

# A Selected Bibliography of Publications by, and about, Hans Bethe

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## Title word cross-reference

+ [AS70]. 0 [AS70]. **\$1** [Duf46]. 1 [AS70]. 1/2 [Gün64, PcPZ90]. **\$12.95**  
[Edg91].  $15M_{\text{sun}}$  [Bar88]. **\$19.50** [Gol68]. **\$24.95** [Fra01]. **\$32.50** [Edg91].  
**\$35.00** [Hod13, Hub14, Wal15a, Wal15b]. **\$39.50** [Edg91]. **\$5.00** [Sch68].  
**\$50.00** [Wal15a, Wal15b]. **\$75.00** [Wal15a, Wal15b]. **\$8.95** [Edg91]. **\$87.00**  
[Wal15a, Wal15b]. **\$9.50** [Bet54b]. <sup>12</sup> [HB40]. <sup>15</sup> [HB40]. <sup>27</sup> [BH39]. <sup>7</sup>  
[Bet38c]. <sup>o</sup> [Bet42a]. <sub>1-x</sub> [BB76]. <sub>2</sub> [BS37, SBR<sup>+</sup>86]. <sub>3</sub> [BB76, BS37]. <sub>4</sub>  
[BS37]. <sub>x</sub> [BB76].  $A_{n-1}$  [HSY04].  $\alpha$  [Bet38c, HB40].  $\alpha\beta\gamma$  [AWCT09, Tur08].  $\delta$   
[YLGCO2].  $\Delta = -1/2$  [dGBNM02].  $E_{\tau,\eta}(A_2^{(2)})$  [MN07].  $f$  [FBE<sup>+</sup>34]. **\$h**  
[Bet81e].  $J$  [AAHS99].  $J = 0$  [FT75].  $K^-$  [Bet70b].  $\lambda_l$  [CWL<sup>+</sup>04]. **osp**(1|2)  
[KM01].  $N$  [CWL<sup>+</sup>04, WG68, BA52].  $O(4)$  [AS70].  $O(5)$  [BB70, BB71].  $p$   
[BA52].  $P_\mu = 0$  [Flo76].  $\pi$  [Bet55d, CB60].  $\pi^+$  [BA52].  $r$   
[App88, CFR82, Skr07, Skr09].  $s$  [Ong86, Ong88].  $SL(N)$  [Sco94].  $SO(5)$   
[Flo76].  $SU(4)$  [YLGCO2].  $SU(n)$  [LYS01].  $t$  [AAHS99].  $\times$  [Sch67b, Sch67a].  
 $XXZ$  [LFK99].  $Z$  [HB51a, Por03].

**-decay** [FBE<sup>+</sup>34]. **-Dependence** [HB51a]. **-field** [CFR82]. **-function** [YLGCO2]. **-matrices** [Skr07, Skr09]. **-meson** [Bet55d]. **-Nucleon** [CB60]. **-Particle** [Bet38c]. **-process** [App88]. **-wave** [Ong86, Ong88].

**0** [Bet91b]. **0-465-03678-3** [Bet91b]. **0-8047-1713-3** [Edg91]. **0-8047-1714-1** [Edg91]. **0-8047-1721-4** [Edg91]. **0-8047-1722-2** [Edg91]. **0-85964-226-7** [Hen94]. **'09** [ACM09].

**1** [Hod13, Hub14]. **1-55655-217-3** [Hen94]. **100th** [KRW05]. **11** [HD72]. **11th** [AP77]. **12th** [AP77]. **1655-40** [BLLB00a, BLLB00b]. **1930/41** [Fer68, Fer71]. **1930s** [Stu79]. **1933** [CCJ<sup>+</sup>34]. **1937** [Ano37, For87]. **1950** [Ano50]. **1955** [Bet55c]. **1956** [Bet56b, Bet56c, Bet94a]. **1959** [Wal15a, Wal15b]. **1960s** [Mla98]. **1966** [Bec67, MB66, Gol68]. **1967** [Bet67d, Bet67b, Bet97b, RB67a]. **1969** [WH72]. **1972** [CC73]. **1980s** [BBG85b]. **1981** [RS82]. **1983** [BS83]. **1985** [BH88, CJK92]. **1986** [KS87]. **1987** [Blu87, DS88]. **1987A** [BP90, Bet93h]. **1993** [Bet93e, Bet94b]. **1999** [Bet99a, GSS<sup>+</sup>03].

**2005** [BL09, Dre07, Gib05, LB07]. **2009** [ACM09]. **20th** [APB96, ABP98]. **22** [CCJ<sup>+</sup>34]. **25.95** [Nav14]. **2nd** [Bet54b].

**3** [Bet91b].

**4** [Bet70c]. **40th** [MKR87].

**5-Year** [BG82b]. **51** [RB37a].

**6** [Tho99]. **6.7-Minute** [BH39]. **60th** [Gol68, MB66].

**70th** [HBD71]. **76** [FBB14].

**80** [Sch67b, Sch67a]. **80th** [DS88].

**90th** [Hof96]. **978** [Hod13, Hub14]. **978-0-226-61063-4** [Wal15a, Wal15b]. **978-0-230-35487-6** [Wal15a, Wal15b]. **978-0-674-06587-1** [Nav14, Wal15a, Wal15b, Hod13]. **978-0674-06587-1** [Hub14]. **978-981-4307-81-9** [Wal15a, Wal15b]. **981** [Tho99]. **981-02-2692-6** [Tho99]. **981-02-2876-7** [Tho99].

= [Uns00, Wei95].

**A.** [Sch67a]. **AAPT** [BSF93]. **Abbildungen** [HH14, Sch67b, Sch67a]. **Aberdeen** [Bet98a]. **ablation** [BA59]. **ABM** [Bet69a, Bet84b, Bet84a, CWB<sup>+</sup>69]. **Abnormal** [BB71, BB70]. **Absence**

[RB39]. **absolute** [CSB<sup>+</sup>31]. **Absorption** [BS37, KMB57, LB62, WLB36, BBD<sup>+</sup>95]. **Absorptive** [NR66]. **Academy** [WH72]. **Accelerator** [JLBF66, SSB<sup>+</sup>98]. **Accelerators** [Bet97a]. **acceptance** [Bet93e]. **Accident** [SB86, SBR<sup>+</sup>86]. **Accidental** [BB69]. **Accretion** [BLB00]. **accuse** [AA54]. **ACM** [ACM09, Blu87]. **Acoustic** [Gur01]. **acoustics** [Gur01]. **Addenda** [IIT78]. **Address** [Bet77b]. **Administration** [ABB<sup>+</sup>80]. **Administrators** [STS<sup>+</sup>49]. **Advanced** [RS82]. **Advection** [BLB00]. **Advisers** [BB86]. **Advisors** [Edg91, Yor89]. **Advisory** [GBG<sup>+</sup>86]. **AEC** [Bet63b]. **AEI** [Bet75a]. **Affairs** [BBG<sup>+</sup>85a, GR63]. **affine** [AAHS99]. **Affinity** [Bet29a]. **Affirm** [ACU<sup>+</sup>54, BC00]. **Again** [Rai85]. **Against** [Bet84b]. **Age** [AM86, GR63, Stu18, Ano05b, Bra05, Bet62a, Dow83]. **Ages** [Jea24]. **ago** [Geh78]. **Air** [Bet42a, Bet46b, Bet50a, Bet65c, KMB57, Bet20]. **Alamogordo** [LW71]. **Alamos** [MKR87, Bet91j, Bet93k, Bet93i, Inc92, vB92]. **Alan** [Eks94]. **Albrecht** [BL09, Gib05, Hod81, LB07]. **algebra** [FV86, LFK99].

**Algebraic** [AMS11, Kyr72, LC71, MN07, Jur89, Liu72, RM06, Skr07, Skr09, ZLGM03]. **Algorithm** [Yui01, WW88]. **Algorithms** [PR97]. **Alliance** [She75]. **Alloys** [Bet38f]. **Alpha** [Bet50a, Bet49c, Rig07, Rig06]. **alpha-Centaury** [Rig07, Rig06]. **Alpha-Particles** [Bet50a, Bet49c]. **Alpher** [AH73, AM23, Mar08, Rig06, Rig07]. **Alternative** [BAA<sup>+</sup>75, Gir75]. **Always** [Bet67e]. **Amateur** [Har01]. **amazing** [Tur08]. **America** [Hen94]. **American** [Bet55c, Bet75e, Bet93e, WH72, BBM78, Bet63a, Bet82e, Bet99a, Bof76, CHW91, EBU<sup>+</sup>52, LBC<sup>+</sup>75, Ros93, McC20]. **Americans** [ABB<sup>+</sup>80]. **Among** [Bet95b, Van32, Pan05]. **Amplitude** [ROB63]. **Amplitudes** [SL64]. **Amsterdam** [Bet56b, Bet56c]. **Analog** [BS68]. **Analysis** [BdH54a, BdH54b, dHMAB54, Bet55b, Fle73]. **Analytic** [Bet93h]. **analytical** [BN68a]. **Analyzed** [Gou47]. **Andrew** [Dow83, Bet98b]. **Angle** [BR52]. **Angular** [BA52, Gün64]. **Anisotropy** [Van32]. **Anja** [Wal15a, Wal15b]. **Annihilation** [Bet35e, BH56]. **Anniversary** [MKR87]. **Annotation** [FBB14]. **Announced** [Bet63d]. **Annual** [Bet63b]. **Anomalous** [Ben38, BBD<sup>+</sup>95]. **ansatz** [AFF01, AMS11, BK93, DL83, FCC09, Gar02, HSY04, Jur89, KW03, KZJ02, LYS01, LFK99, MIT06, MN07, Ray97, Sco94, Skr07, Skr09, YLGC02, ZLGM03, AAHS99, CH02, KMGT97, KHM98, RS05, Sut03]. **Anti** [BH56, Bet69b, GB68, WA94]. **Anti-Ballistic-Missile** [GB68]. **Anti-Missiles** [Bet69b]. **Anti-Proton** [BH56]. **anti-quark** [WA94]. **antiballistic** [CWB<sup>+</sup>69]. **antifermion** [Kea71, Zum75]. **Any** [GB89, RR07, Roj09]. **apart** [Kai05b]. **appeal** [Ano82]. **Appendix** [BBAL80, BG85]. **Application** [vdLB47]. **applications** [Fur85]. **Applied** [MB40]. **Appraises** [Bet60b]. **appreciation** [Har01, Hol03]. **Approach** [BFK49, Bet93h, Nak63b, CH02, FCC09, Jur89]. **Approximate** [Vos60]. **Approximation** [CCG<sup>+</sup>11, DRS<sup>+</sup>54, SG73, WF11, BW87, Frü03, HM83]. **April** [Bet55c, Bet93e, Bet97b, HPA97]. **Arbeiten** [Hou30]. **arbitrary**

[Bet43b, Bet98a, Lai74]. **Argentine** [ABB<sup>+</sup>77]. **Armor** [BW39]. **Arms** [Bet82a, Bet8xa, BKD82, Bet83b, Bet69a]. **Army** [Bet98a, BS47, Gou47]. **Arnold** [Ano38, Sch67b, PS69, Sch67b]. **arsenals** [Bet89c]. **art** [KMN<sup>+</sup>96]. **Arthur** [Duf46]. **Article** [Bof76, McC20]. **Articles** [For87, GR63, BBL86]. **Arts** [WH72]. **Ascent** [Bro73a]. **assesses** [Bet86d]. **Assessing** [AM86, BG82a]. **Assignment** [BH39]. **Assistant** [Kil77]. **associated** [HSY04]. **Association** [Bet93e, Ros93]. **assumptions** [Dud76]. **astounding** [Haw11]. **Astronomers** [Huf81, WGO<sup>+</sup>91]. **Astronomical** [Kra17]. **astronomy** [FF91]. **Astrophysical** [Bro05b, Bro06a]. **Astrophysics** [Bet97a, Bet06, BCSF82, Bet03, MR85, ST86]. **Asymptotic** [WB51]. **Atmosphere** [KMT46]. **atmospheres** [BG91a]. **Atmospheric** [Bre53]. **Atom** [Bet70c, Duf46, LR47, Sul75, Bas71, BM66, CHW91]. **Atomic** [AM86, Ano95, Bet51, Bet54d, Bet62a, Bet77e, CP50, Duf46, FR13, Gas93, GR63, Pal00, PS69, STS<sup>+</sup>49, WM15, Bet31b, Bet49c, Bet91j, BGP<sup>+</sup>93, Bet94a, CCJ<sup>+</sup>34, Hou30, Jun58, Jun82, LW71, MW46, MW07, Opp46, She75, Van03, Edg91]. **atomiques** [CCJ<sup>+</sup>34]. **Atomkette** [Bet31b]. **Atoms** [Bet35a, Bet66b, Cho01, FSB71, Ino71, BS57a, BS57b, BS77, BS08, IIT78, Sch78, Bet01a]. **Atomskerns** [Hou30]. **attached** [Roj09, RM09]. **attack** [Bie03]. **Attempt** [Bet36a]. **attempts** [Nav06]. **Attention** [Ken54]. **Aufbau** [Bet33a]. **August** [BH88, CJK92]. **auspices** [CCJ<sup>+</sup>34]. **autobiography** [Dys18]. **autour** [SB55b]. **Award** [Ano61, Ano12b, Ano85b, Ano12a, Bet63b, Bet63d, WB64]. **awarded** [Ano92a]. **awards** [BSF93]. **away** [Ano05b].

**B** [Bet98a, Ano93, Bet37a, CP93]. **Ba** [BB76]. **Bacher** [For87]. **Back** [BB86, Bet01b, Sal02]. **background** [WA94]. **bad** [Mad83]. **Bakerian** [Bet94b]. **ball** [MIT06]. **Ballistic** [BGGK84, Bet98a, BGGK12, GB68]. **Ban** [GSB<sup>+</sup>83, McK86]. **Bardeen** [Skr09]. **Barkas** [Por04a]. **Barkas-Effect** [Por04a]. **Barriers** [BFK49]. **Baryon** [BJ74a]. **Based** [BGGK84, BGGK12]. **Basic** [BBL86, Bet90b, For87]. **Basis** [BMG87, CTSOS99, KB38]. **BCS** [AFF01]. **be** [Bet46b, Bet20, MB85]. **Beam** [CB48b, HM83]. **Beams** [SSB<sup>+</sup>97d]. **Bedrohung** [SB55a]. **before** [BBM78]. **Befuddles** [Bet99b]. **Behandlung** [Bet30a]. **Behavior** [BK39, BK62]. **Behind** [Bet93a, Bet94a]. **Being** [Bet89b]. **Beiträge** [KRW05]. **Bela** [Bet93a]. **Bell** [Whi95]. **Bemerkung** [BBR31]. **Bemerkungen** [Bet48]. **Berechnung** [Bet34b, Bet29a]. **Berichte** [KRW05]. **Berlin** [Sch67b, Sch67a]. **Berlin-Heidelberg-New** [Sch67b, Sch67a]. **Bernstein** [Huf82]. **Bet** [Bet77d]. **Beta** [BHP39, BHP97]. **Beta-Disintegration** [BHP39, BHP97]. **Betatron** [CB48b]. **Bethe** [Aft02, Ano50, Ano61, Ano12a, Ano12b, BB71, BL09, Dow82, Dow83, Dre07, Dys55, Dys56, Dys05a, Edg91, For57, For87, Fra01, GvH05, Gib05, Gol68, Got98, GS05, Har07, Hof96, HD72, Huf82, Jeh56, Kut05b, Lan00, LB07, Mar08, Mer68, Olw01, Pei57, Pri56, RS08, Sar01, Sch14a, Sch78, Sch67b, Sch67a, Sch15, Sei01, Tho99, Wie14, vB92, Ada06, All59, AH73, AAHS99,

AFF01, Bla82, Ano85b, Ano92a, Ano00a, Ano01, Ano05b, Ano05c, Ano05a, Ano12c, Anoxx, AMS11, Aui02, BB69, BB70, Bas71, Ber96a, Ber80, Ber81, Ber06, Bet65a, Bet80a, BWMH81, Bet84b, BBL86, Bet93j, BGP<sup>+</sup>93, Bet93c, Bet93e, Bet97e, Bet99d, Bha05, Bis67, BG91b, Bof76, BK93, BSS05, Bra05, Bre75, Bri95b, Bro82, BT69, Bro73b, Bro71, Bro05b, Bro05a, Bro06a]. **Bethe** [BL06a, Bro06b, BL06b, BJMK92, BW87, Bur68, CTSOS99, Cab78, CF12, CWL<sup>+</sup>04, CCG<sup>+</sup>11, CH02, Cli97, CFR82, DL83, Dre05, Dys05b, Dys06, Eks94, Eva84, Ewa58, FV86, FCC09, Fle73, FT75, Flo76, FBB14, Fri99, Frü03, Fun81, Fur85, Gar02, GvH06, Gas93, Gau83, Gau14, Gol05, Goo99, Got05, Got06a, Got06b, Gün64, Ham73, Hod81, Hof96, HM83, HB06, HHD73, HSY04, HD70, Inc92, Ino71, IIT78, Iof05, Iof06, Jac09, Jur89, Kai05a, KMG79, KHM98, KW03, Kea66, Kea68, Kea69, Kea70, Kea71, KZJ02, KM01, Kut05b, Kut05a, Kyr72, Lee05, Lee07, Ler71, LYS01, LFK99, MIT06, Mad86, MP91, Mai03, Mai04, MN07, ML83, MB66, Mar70, McD62, MTG05, MA06, MR85, Mor02, Moy97, Nak63a, Nak63b, Nak66, Nak71, Nav14]. **Bethe** [Neg05, Neg06, NR66, Ong86, Ong88, Orb05, PcpZ90, Pan05, Pep05, Per84a, Per84b, Pev78, Por97, Por98, Por99, Por03, Por04a, Por04b, PR97, Ran48, Ray97, RS05, Rig06, Rig07, RJ10, RM06, RR07, Roj07, Roj08, Roj09, RM09, RJ11, Ros66, Ros93, Run67, Sae67, Sal05, Sal06, Sat63, Saz87, Sch14a, Sch34, Sch67a, Sch95, Sch96, Sch00b, Sch05a, Sch08, Sch12, Sch14b, Sco94, SG73, Skr07, Skr09, Sut03, SL64, Tel87, Tom83, Tuc05, Vos60, Wal15a, Wal15b, WF11, WA94, WG68, Whi95, Wie14, Wie81, Wil73, Wri10, YG06, YLGC02, Yui01, ZLGM03, Zum75, dGBNM02, Hod13, Hub14, Kra13, Mer68, Low13]. **Bethe-ansatz** [DL83]. **Bethesda** [ACM09, Blu87, Hen94, Sch68]. **Betrachtungen** [HBD71]. **Betrayed** [Bet99f]. **Betrtr** [BW87]. **Better** [Bet89d]. **Bethen** [SBB<sup>+</sup>97, Stu18, BDSB94, MIT06, dHMAB54]. **Beugung** [Bet28a]. **Bewußtseinswandel** [vW88, vW91]. **Big** [Hil15]. **Biggest** [OM18]. **Binaries** [BB99, BLB99, BLZB01, BHL<sup>+</sup>01, BBL07]. **Binary** [BB98]. **Binding** [Bet38a, Bet91a, DSB91]. **Biographies** [Wal15a, Wal15b]. **Biography** [Bet93a, Bet98b, Sch96, Sch14b, KMN<sup>+</sup>96]. **Bird** [Pei85]. **Birth** [Hil15]. **Birthday** [HBD71, KRW05, Wri10, BCSF82, DS88, Gol68, Hof96, MB66]. **bis** [HH14]. **Black** [Bet94d, BB99, BBL06, BB94a, BB94b, BLB99, BLW<sup>+</sup>00b, BHL<sup>+</sup>01, BLB01, BBL03]. **Black-Holes** [BB94a, BB94b]. **Blackwood** [Dow82, Dow83]. **Blaker** [Mer68]. **Blast** [BFvN<sup>+</sup>44, BFH<sup>+</sup>47, Sul75, PPvNF44]. **Bloch** [Por97, Por98, Por99, Por03, Por04a, Por04b]. **Blocks** [SSB<sup>+</sup>99b]. **Blunder** [OM18]. **BMD** [BBG85b, BG85]. **Body** [Bet36b, Bet56a, Bet65b, Bet67a, Bet73b, HB06, Kai05a, KB38, KS87, MJBA75, RB67b, BR67, CC73, Mai03, Mai04, MHFW72, Per63, Tom83]. **Bohr** [Duf46, Ano95, Bet85a, BGS95b, FK85, OBxx, Sch00a]. **Bomb** [Aft02, All56, ABB<sup>+</sup>50, Ano93, Bac50, BBSS50, B<sup>+</sup>50, Bet50d, Bet50c, Bet54e, Bet63a, Bet71e, Bet82b, Bet82d, Bet82f, Bet89e, Bet91c, Bet93a, Bet93c, Bet94a, Bet98b, Duf46, Fra01, Gas93, Ken54, Lan00, Olw01, Rid50,

Sar01, Sei01, STS<sup>+</sup>49, TB82, WM15, Ano50, Bet50b, Bet91h, BGP<sup>+</sup>93, Bro82, Eli50, MW46, MW07, McC20, Sch00b, SB54, SB55b, SB55a, SB71, She75, Van03, WG17, Bet90d, Bet93a, Duf46, Bet95a]. **Bombs** [Bet54d, KMT46]. **Book** [Bet54b, Bet79a, Bet89b, Bet90b, Bet91b, Bet93b, Bet93a, Bet94a, Bet95a, Bet95b, Bet98b, Bet01a, Bet01b, Dys55, Dys56, Edg91, Ewa58, For57, For87, Fra01, Gol68, Got98, Har07, Hen94, Hod13, Hub14, Huf82, Inc92, Jeh56, Kra13, Lan00, Low13, Mer68, Nav14, Olw01, Pei57, Pri56, RS08, Sar01, Sch78, Sch68, Sei01, Tho99, Wal15a, Wal15b, vB92, Sch67b]. **Books** [ABB<sup>+</sup>80, Bet58a, Bet90b, Sch68]. **born** [ML83, CF12]. **Bose** [ZLGM03]. **Boson** [FT75]. **Both** [BG82b]. **Bound** [Bis67, SB51, Kea71, Mai03, Mai04, MB82, WA94]. **Bound-State** [Bis67, SB51, Mai03, Mai04, MB82]. **Boundaries** [Sch95, Wei95]. **boundary** [Bet42e, Fur85, KZJ02, LYS01, Mai04]. **bounds** [RJ10, RM06, RR07]. **box** [MIT06]. **box-ball** [MIT06]. **boycott** [BBM<sup>+</sup>76]. **Boyle** [Hen94]. **Braking** [Bet14, FBB14]. **Breadth** [DS88]. **Breakout** [Bet96a]. **Breeder** [Ham73]. **Breeders** [Bet75c]. **Bremsformel** [Bet32]. **bremsstrahlung** [Frü03, BML53, BM54, Bet72a, DB52, DBM54, MB52]. **Briefe** [KRW05]. **Brien** [Ano50]. **Brighter** [Jun58, Jun82, Bet58a]. **British** [Wal15a, Wal15b, Fak83]. **Broad** [MWBB02]. **Broadway** [Sch00a]. **Broglie** [Whi95]. **Brook** [GSS<sup>+</sup>03, KS87]. **Brown** [Bet98b, Har07, RS08, Lee11]. **Brueckner** [Bet56c, Bet63c, Bro71]. **Brussels** [CCJ<sup>+</sup>34]. **Bruxelles** [CCJ<sup>+</sup>34]. **BS** [AS70]. **Buchbesprechung** [Sch67b]. **Build** [Bet93a, GB89]. **Building** [SSB<sup>+</sup>99b]. **bulk** [OBxx, Rabxx]. **Bulletin** [GR63, AM86, BFG<sup>+</sup>85]. **Bursts** [BLW<sup>+</sup>00a, MWBB02, BLW<sup>+</sup>03, Eps88]. **Bush** [Ano85b].

**C** [Bet42a, Hol03, HB40, LB37]. **C.** [Geh73]. **C.B.E.** [AP77]. **ca** [Ano00a, Kra16]. **Calculate** [Bet36a]. **Calculated** [Bet29d]. **Calculation** [Bet34b, CTSOS99, NB68, Cab78, KW03, Liu72, Bet29a]. **Calculations** [BJ74a, Bar88]. **California** [Bet76g]. **Called** [Cor12]. **Calls** [Ham73]. **Cambridge** [Hen94, Hod13, Hub14, Nav14, RS82, Wal15a, Wal15b]. **campus** [Ber96a]. **Can** [Bet46b, YB85, MB85, Bet20]. **Can't** [Bet91d, SB86]. **Capacity** [Maw78]. **Capture** [Bet70b, HB51b]. **Carbon** [Bet40d, BLZB01, Hoy54]. **Carbon-Oxygen** [BLZB01]. **career** [NS15, Sch15]. **Carl** [HH14, Wie14]. **Carnegie** [HPA97]. **Carson** [PBB97]. **Case** [AAB<sup>+</sup>88, Bet60a, Bet76b, Bet80b, Bet84b, Gou47, Ken54, Nak63a]. **Cases** [Cle48]. **Catalogue** [Hen94, Sch68]. **Catastrophe** [Dud75, Bet76h]. **Cathode** [Bet29c]. **Causal** [Kea66]. **Cavendish** [Nav06]. **cavities** [Bet43a, BS43]. **Cease** [Bet95c]. **celebrate** [Gol05]. **Celebration** [KRW05]. **Centaur** [Rig06, Rig07]. **Centenary** [Bet99a, FK85]. **Centennial** [PS69]. **Centuries** [Sch68]. **Century** [ABP98, Bet01b, Sch68, APB96, MB85, Har10, Wal15a, Wal15b]. **cervical** [HB69]. **Chadwick** [Bet98b]. **Chadwyck** [Hen94]. **Chadwyck-Healey** [Hen94]. **chain** [Bet31b, CWL<sup>+</sup>04, LFK99, Sco94, dGBNM02]. **chairman**

[BBG<sup>+</sup>85a]. **Chandrasekhar** [BS83, Bet05b]. **Chang** [Har07, RS08]. **Chang-Hwan** [Har07, RS08]. **Change** [Bet31a, Bet75d, vW88, vW91]. **Charge** [BE68]. **Charged** [Ino71, IIT78]. **Charles** [Bet78a, Hol03]. **Chemical** [ABG48, Gam66]. **Chernobyl** [Bet86d, Bet91d, Bet91i, SB86, SBR<sup>+</sup>86]. **Chernobyl-Type** [SB86]. **Chicago** [Wal15a, Wal15b]. **China** [Bet69a, DeN76]. **chiral** [DL83]. **chiral-invariant** [DL83]. **choices** [BBM78]. **Chop** [Bet89c]. **Chown** [Bet01a]. **Christoph** [Wal15a, Wal15b]. **CI** [PR97]. **Circular** [Mol89]. **Citizen** [McD62]. **City** [Bet69b]. **Classical** [Sco94, Skr09]. **Clerical** [Wei75]. **Climbing** [Kai05a]. **Clinton** [Bet97c]. **Close** [SB47]. **closed** [LFK99, Ong86]. **closer** [Har10]. **cloth** [Fra01]. **club** [Ber96b]. **cm** [Sch67b, Sch67a]. **Coal** [Bet80b]. **Cold** [AK10]. **Collaboration** [Ber10, AM23]. **Collapse** [Bar88, BBAL79, Bet81d, Blu88, Myr88, WM88]. **Colleagues** [BC00, DK91]. **Collected** [Hen94]. **Collections** [Hen94]. **Collective** [BDSB94, SSB<sup>+</sup>99a, TBDB98, Bet33a]. **College** [Tho99]. **Colliding** [SSBB75]. **Collisions** [Bet51, BA52, BJB93, Ino71, BW87, IIT78]. **Column** [BV74, BV75]. **Combination** [BC38a, BC38b]. **combinations** [RJ11]. **Come** [STS<sup>+</sup>49]. **commentaries** [Yan13, Bet95b]. **Commentary** [BWH80, BBL06, Bey80, Bet97e, BBL03, DP97, Tho99, Got98]. **Comments** [Bet82b, Bet91c, RYBB73, Moy97]. **Committee** [Bet75e, BBG<sup>+</sup>85a, GBG<sup>+</sup>86]. **Communication** [Bet71e]. **Community** [Bet95d, Hab69, Bet81e]. **Compact** [BB98, BB99, BBL07]. **Company** [Pei57, Tho99]. **Compared** [Maw78]. **Comparison** [SBR<sup>+</sup>86, Bet29d]. **competition** [SB55b, SB55b]. **Compiled** [Sch68]. **Complex** [Bet82e, Hill15, BG57]. **Composition** [CB34]. **Compound** [Bet40a]. **Compton** [Duf46]. **Computational** [ML83]. **computer** [Fle73]. **Computers** [FT70]. **Computing** [ACM09]. **Concept** [CBB84]. **conception** [SB55b]. **Concepts** [BBG85b, KS87, ST86]. **Concerning** [Bet48]. **condensates** [ZLGM03]. **Condition** [Sat63]. **conditions** [KZJ02, LYS01, Mai04]. **Conference** [Bec67, BM55, Bet56b, Bet56c, Blu87, JKWW85, JKWW15, KMN<sup>+</sup>96, KS87, KMP98]. **conferences** [WH72]. **configurational** [Per84b]. **conflict** [SB55a]. **Congress** [BG83b]. **connection** [Saz87]. **connectivity** [RM06]. **Conscience** [BBH<sup>+</sup>73, Bra05]. **consciousness** [vW88, vW91]. **conseil** [CCJ<sup>+</sup>34]. **conserved** [MIT06]. **Conserving** [Fes77]. **Considérations** [Hei34, Hei34]. **Consistency** [JB78]. **Constant** [BL49]. **constants** [Bet43c]. **Constitution** [Edd20, Gam30]. **Constraints** [BB95, Bet96b]. **Construction** [Wal15a, Wal15b, Per84a, SB55a, Bet33a]. **Contextual** [Sch14b]. **continent** [Ano85a]. **Continuity** [CWL<sup>+</sup>04]. **Continuum** [Bet40a]. **Contribution** [BM71, BM72, BB99]. **Contributions** [KRW05, MA06, Pan05]. **control** [Bet8xa, Opp46]. **controversies** [ST86]. **controversy** [SB76]. **Convection** [BBC87b, BL88, SSB<sup>+</sup>97a, WM88]. **convective** [WW88]. **Conventional** [Usd09]. **Conversation** [BM04, Goo99, BM05, Goo01]. **conversations** [Bri95a]. **Cooper** [Skr09]. **Cooperative** [Bet37b]. **Coordinate**

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[Bet33b, BO46, BM71, BM72, Geh73, Geh78, RYBB73, RB39, Sch78, SSB<sup>+</sup>97a, SB53, SB59, BS57a, BS57b, BS77, BS08, BW87, CF12, CH02, Frü03, HBE87, SSB<sup>+</sup>98, BZ38, Bet67c, Sch67b, Sch67a, SB33, SB34, SB67e]. **Electron-Cyclotron-Harmonic** [SSB<sup>+</sup>97a]. **Electron-Deuteron** [RYBB73]. **Electron-Diffraction** [Geh73]. **electron-hydrogen** [BW87]. **Electronic** [Bet29a, vdLB47]. **Electrons** [Bet29d, Bet34a, Bet34b, BH34, BRS38, BBW50, BBAL80, FBB14, WB51, Bet27, Bet28b, Bet28a, BF32, BF33, BJ77, Bet14, NBP<sup>+</sup>34, SB67c, SB53, SB67d, NBP<sup>+</sup>34]. **Electrostatic** [CB48b]. **elektrische** [Bet29c]. **Elektronen** [Bet27, Bet28b, Bet28a, Bet32, BF32, SB67d, SB67c]. **Elektronenaffinität** [Bet29a]. **Elektronenprobleme** [Bet33b]. **Elektronentheorie** [Sch67a, Bet67c, Sch67b, SB33, SB34, SB67e]. **Elektronenverteilung** [Bet29d]. **Elektronnaja** [BZ38]. **element** [vW38a, vW38b]. **Elemental** [Wal15a, Wal15b]. **Elementary** [Bet47b, BM56, BM06, For57, Pri56]. **Elements** [ABG48, BBFH57, Hoy54, Gam66, Hoy46, Pen79]. **Elementumwandlungen** [vW38a, vW38b]. **elite** [Fin06]. **elliptic** [MN07]. **Elusive** [BG83a]. **Émigré** [Wal15a, Wal15b]. **Eminent** [EBU<sup>+</sup>52]. **Emission** [BAB80, MWBB02]. **Empirical** [Bet93h]. **Employment** [BS47, Gou47]. **End** [Sul75]. **Ending** [Bet60a, BMG87]. **energie** [Bet71b]. **Energieerzeugung** [Bet68a]. **Energies** [BML53, Bet91a, DSB91]. **Energy** [Anoxx, BS05, BS06, BB47, Bet36a, BR37a, BR37b, Bet38a, Bet38b, Bet39c, Bet39a, Bet42b, Bet47a, Bet50a, BK62, Bet64c, Bet65a, Bet66a, Bet68g, Bet68d, Bet68e, Bet70d, Bet71c, Bet75a, Bet76c, Bet77c, Bet77e, Bet80b, Bet80c, Bet81e, Bet82c, Bet83a, BP90, Bet94a, CB48a, CB60, CP50, Edg91, GB51, Huf81, Iof05, Iof06, MB41, PR97, Ran48, Seg85, SBR<sup>+</sup>86, Yui01, Bla82, BBM78, Ber80, Ber81, Bet49c, Bet49e, Bet53d, Bet68c, BN68b, Bet70a, BV75, Bet76a, CF12, Frü03, KW03, Kra16, KMP98, LW71, Mai04, Men27, Opp46, RS05, RJ10, RJ11, SB76, Sel77, Bet68a, Bet71b, Dow82, Dow83, Huf82]. **Engineer** [Bet78a, Pev78]. **Engineers** [SBR<sup>+</sup>86]. **Enough** [Dow83, Gul75]. **Enrichment** [Bet82i]. **Enrico** [Bet55c, Ano61, BB02, Ore04]. **Entgegnung** [Sch34]. **Entwicklung** [HB69]. **entzweite** [Bet01d]. **Environment** [KMP98, KMP98]. **Episode** [Pan05]. **Equation** [BB69, BB71, Bet74, BBAL79, BBAL80, BBCW83, Bis67, BT69, FT75, Gün64, HD72, Kea66, Kea68, Kea69, Kea70, Ler71, Nak63a, Nak63b, NR66, Ros66, Sae67, SB51, Sat63, Vos60, AS70, BB70, Bet98a, Blu88, Bre75, Bro88a, DSB56, FV86, Fle73, Flo76, Fur85, HHD73, HD70, KW03, Kea71, MP91, Mai03, MB82, Nak71, Ong86, Ong88, Saz87, WA94, Wie81, Zum75]. **Equations** [MJB75, Bas71, BK93, Gar02, Kyr72, MIT06, Mai04]. **Equilibrium** [BT41, BT45, BFK49, BT51a, BT53, BT51b]. **equivalence** [Bas71]. **Equivalent** [Bet73b]. **Erden** [Bet30c]. **Eric** [Bet90b]. **Erinnerungen** [Bet00b]. **Ernest** [Hil15]. **Errata** [HD72]. **Erratum** [BB71, Bet83a, RB37a]. **Error** [Wei75]. **errors** [Bro82]. **Erscheinungen** [Bec29]. **Espionage** [Usd09]. **essay** [Edg91]. **Essays** [APB96, ABP98, BCSF82, Gol68, Mer68, dSFvLH66, MB66]. **est** [Dem15].

**Estimate** [Bet50e]. **etc** [Sch67b, Sch67a]. **Ethical** [BSP<sup>+</sup>83]. **Europe** [Fer68, Fer71]. **evaluate** [BW87]. **evaluation** [CWB<sup>+</sup>69]. **Evanston** [Pei57]. **even** [RS05]. **Evening** [BDH70, Gas93, BGP<sup>+</sup>93]. **Events** [Ano5c]. **Evidence** [BH39, Bet40d, HLB37]. **Evolution** [BM39, Bet91a, BB98, BBL07, BLW<sup>+</sup>00b, BLZB01, DSB91, Huf06, BBL03, BL88, NaH88]. **Evolutionary** [FvHW79]. **Ewald** [BH88, CJK92, CJK92, JMWB86]. **Exact** [Nak63a, ROB63, MIT06, Zum75]. **Exactly** [Eva84]. **Examined** [Bet60c]. **Exchange** [Bet84a, FT75, Ros66]. **Excitation** [Bet43a, KB38, RS05]. **Excitement** [Bet67e]. **Exiled** [RB02]. **Expansions** [PR97]. **Expected** [STS<sup>+</sup>49]. **experience** [Bet93e]. **experiment** [CP93]. **Experimental** [BL49, LB37, Seg59a, Seg53, Seg59b]. **Experiments** [BB93, Bet89a, BBT24]. **Experts** [Sul75]. **Explanation** [Bet86a, Bet94c]. **explicit** [RR07]. **Exploded** [Bet46b, Bet20]. **explodes** [BB85, BB91b, BB12]. **exploring** [MR85, WH72]. **Explosion** [Bet50e, Bet81d]. **Explosions** [All59, BBB<sup>+</sup>87]. **Extension** [YLGCO2]. **extensions** [AAHS99]. **extracted** [Por04b].

**F** [Bet89b, Dys56, Edg91, For87, dSFvLH66]. **F.** [Bet79a]. **F.R.S** [AP77]. **Face** [TB84]. **Face-Off** [TB84]. **Faces** [Iri06]. **factor** [CF12, HB69]. **factorization** [Bas71]. **factors** [HM83]. **Facts** [BBSS50, B<sup>+</sup>50]. **Faith** [ACU<sup>+</sup>54]. **Farm** [Bet93b, Ber96b]. **FAS** [Ano12a]. **Fascell** [BBG<sup>+</sup>85a]. **Fashioned** [Duf46]. **Fast** [BB47, BH34, Bet57, Bet99b, Ino71, BJ77, IIT78]. **Fast-Moving** [Bet99b]. **faster** [Bet30b]. **Fateev** [Ray97, RS05]. **Fault** [Bof76]. **FBI** [BLM19]. **Fear** [WM15]. **February** [Bet97b, KMN<sup>+</sup>96, Ano50]. **Felder** [HBD71, Bet29c]. **Fermi** [Ano61, Bet55c, KS87, Bet63b, Bet68b, BB02, Bro71, MB40, NB68, Ore04, WB64]. **fermion** [Kea71, Zum75]. **fermion-antifermion** [Kea71, Zum75]. **fermions** [YLGCO2]. **Ferromagnetism** [Bet33d, Cab78]. **Ferromagnetismus** [Bet33d]. **Festschrift** [KRW05, Lee11]. **Fetter** [Ano12b]. **Fewer** [BG83a]. **Feynman** [Bet88d, Bet91g, Bet93k, BR93, Dys89, Hal17, Kai05a, Kai05b]. **Field** [Bal62, BB51, BR52, Bet72a, JKWW85, JKWW15, Kut05b, Kut05a, Ler71, Pei57, BJ77, CFR82, SB53, SB67d]. **Fields** [Bet29c, Bet31a, Dys55, Dys56, Jeh56, Pei57, SSB<sup>+</sup>97d, BdH55, SBdH56, CH02, HBD71, SBdH55, SBdH55, Dys56, Jeh56, Pei57]. **fifty** [Geh78]. **fight** [SB76]. **Figures** [Maw78]. **Files** [BLM19]. **Film** [Dow83, Dow82]. **Final** [BB54]. **Fine** [BL49, LR47]. **finite** [Mai04]. **finite-energy** [Mai04]. **Fire** [Bro97]. **Fireball** [Bet64d, Bet65c]. **Fireworks** [BKB92]. **First** [ABB<sup>+</sup>50, Ano50, Bet93a, Bet95b, Ken54, LG78, Rai85, WM15, ML83, MB85, Kil77, Stu18]. **first-born** [ML83]. **Fission** [BBC56a, BBC56b, BBC57a, BBC57b, Bet76e, Bet76f, FvHW79, Hah58, Bet01d, CHW91]. **Fission-Spectrum** [BBC56a, BBC56b, BBC57a, BBC57b]. **Fissionable** [ABB<sup>+</sup>46]. **five** [Ano85a, LW71]. **fizike** [BDH70]. **flare** [BG91a]. **Flow** [BLB00]. **Fluctuation** [Ler71]. **Fluxes** [SBB<sup>+</sup>97, SSB<sup>+</sup>97b]. **Fly** [Bro01]. **Focus** [Bar08]. **Focuses** [Ken54]. **focusing** [Rig06]. **Foes** [Bof76]. **fonction** [Gau83]. **Force** [BBD<sup>+</sup>96]. **Forces**

[Bet39b, Bet40b, Bet40c, BL50, Bet54a, Bet55a, Hod13, Hub14, Kra13, Low13, Nav14, Wal15a, Wal15b, Bet54c, Sch12]. **Foreign** [BBG<sup>+</sup>85a]. **Foreword** [Bet75b, Bet76d, Bet01c, Bro88b, Duf46, Edg91]. **Forget** [BBL06]. **Form** [ROB63, Ong86]. **Formal** [Bas71, Bet43b, Sat63]. **Formalism** [Nak66, HSY04]. **Forman** [Sch14b]. **Format** [Sch67b, Sch67a]. **Formation** [BC38a, BC38b, BBL03, BLB99, BHL<sup>+</sup>01]. **formed** [Bet29c]. **Formula** [FBB14, WB51, WG68, Bet14, RR07]. **Forum** [Bet69c, Ano50]. **Forward** [NR66]. **Four** [Aui02]. **Four-particle** [Aui02]. **Fowler** [BCSF82, BS83]. **Fragments** [Pal00]. **Franco** [Goo01]. **Frederic** [Dys55, Jeh56, Pei57]. **Free** [Yui01, Hen94, KW03, RS05, SB67c]. **Freeman** [Bet89b, Bet79a]. **Freeze** [BT82, BL82, BL83]. **freien** [SB67c]. **French** [CCJ<sup>+</sup>34, Dem15, Gau83, Hei34, NBP<sup>+</sup>34, SB55b]. **Frenkel** [BF33]. **Frequency** [Bet42c, Bet42d]. **Friedensforschung** [HH14]. **Friedrich** [HH14, Wie14]. **Friend** [Sch05a]. **Friends** [Bet95b, DK91]. **Frisch** [BW80, Dit80]. **Fuchs** [Wal15a, Wal15b, Ber10]. **Fuel** [Bet75c]. **Fulfilling** [Bet80c]. **Full** [Duf46, MW46, MW07, PR97]. **Full-CI** [PR97]. **Function** [Kea66, Nak66, Fun81, YLGC02, WF11]. **functional** [Sco94]. **Functions** [HD72, KB38, HHD73, HD70, Kyr72, PcPZ90, dGBNM02]. **Fundamental** [Bet59, Bet75d, JKWW85, JKWW15]. **Furnace** [Bet01a, Cho01]. **Further** [Por03]. **Fusion** [Bet78b, Bet80d, Bet81b, Bet79b]. **Future** [Bet93i, BGA<sup>+</sup>13, Iri06, BT61].

**GaAs** [Por98]. **Galaxy** [Bet94d, BB94a, BB94b, BLW<sup>+</sup>00b, BBL03]. **Gamma** [BLW<sup>+</sup>00a, Eps88, MWBB02, BLW<sup>+</sup>03]. **Gamma-Ray** [BLW<sup>+</sup>00a, MWBB02, Eps88, BLW<sup>+</sup>03]. **Gamow** [HPA97, AH73, AM23, Bet97a, Har01, Mar08, Rig06, Rig07]. **Ganzes** [SB67b]. **Gap** [BLB01]. **Gas** [BBAL80, Run67, Lai74]. **Gatlinburg** [Bec67]. **Gaudin** [AMS11, Gar02, KM01, Sch15]. **Gaussian** [Frü03]. **Gaussian-mixture** [Frü03]. **Geburtstag** [HBD71, Hof96, KRW05]. **General** [Bet40b, Bet56b, Blu88, Nak63a, Hei34]. **General-Mass** [Nak63a]. **générales** [Hei34]. **Generalist** [Sal02]. **Generalization** [SG73]. **Generalized** [CTSOS99, MB40, Roj07, Roj08, Roj09, RM09, RJ11]. **Generation** [BS05, BS06, SSB<sup>+</sup>97d, SSB<sup>+</sup>97b, Wal15a, Wal15b]. **Geneva** [MB85]. **Genius** [Bri95a, Bet93a]. **Genocidal** [Bet90b]. **George** [AM23, Har01]. **Gerald** [Har07, Lee11, RS08]. **German** [Bet54b, Bet05a, Ano93, BBR31, Bec29, BBT24, Bet27, Bet28b, Bet28a, Bet29a, Bet29c, Bet29b, Bet29d, Bet30a, Bet30b, Bet30c, Bet31b, Bet32, BF32, Bet33a, BF33, Bet33c, Bet33b, Bet33d, Bet34c, Bet34b, BS47, Bet48, Bet55d, Bet67c, Bet68a, BGP<sup>+</sup>93, Bet93c, Bet00a, Bet01d, Bet05a, CSB<sup>+</sup>31, Gas93, Gou47, HBD71, HB69, Hof96, Hou30, KRW05, Kut05b, Sch14a, Sch32, Sch34, Sch67b, Sch67a, SB55a, SB33, SB34, SB67d, SB67e, SB67c, SB67b, Wie14, vW35, vW38a, vW38b, vW88, vW91]. **Germans** [Wal15a, Wal15b]. **Germer** [Geh73]. **Geschwindigkeit** [Bet32]. **giant** [MB85]. **Giants** [Bet95b, Dre05, Mat98]. **gitterförmige** [Bet29c]. **Give** [EBU<sup>+</sup>52]. **given**

[Hen94]. **Glasgow** [BM55]. **glassy** [BA59]. **glitching** [Eps88]. **Global** [Iof05, Iof06]. **Gluon** [BBP91, BJB93]. **go** [Mat98]. **Goes** [Bet87a, CBR87]. **Goldstein** [Kea70]. **Goldstone** [Ong86, Ong88, PR97]. **Goldstone-Type** [PR97]. **Good** [BR93]. **gradients** [Rig07]. **Grand** [She75]. **Graph** [WF11, Roj07, Roj09, RJ11]. **Gravitational** [BBAL79]. **GRB** [BLLB00a, BLLB00b]. **great** [Fri99]. **Greater** [Bet74]. **Green** [HD72, HHD73, HD70, Kea66, Kyr72]. **Grenzüberschreitungen** [Wei95]. **grid** [BK93, DHB<sup>+</sup>06]. **Grids** [Bet29c]. **GRO** [BLLB00a, BLLB00b]. **Gross** [DL83]. **Ground** [Bet29d, Bet98a, BJ76, Ray97, Ken54]. **Group** [ABB<sup>+</sup>80, Bet75e, MWBB02, Van32, AAHS99, MN07]. **guerre** [SB55b]. **Guide** [Ano00a, Hen94]. **guides** [Bet43b, Bet43d]. **Guth** [Eks94].

**H** [BS37, Duf46, Dys56, Eks94, Ewa58, Geh73, Sch67a, Tho99, ABB<sup>+</sup>50, Bet50b, Bet54e, Bet82b, Bet82f, Bet89e, Bet90d, Bet91c, Bet91h, Bro82, Eli50, Ken54, McC20]. **H-bomb** [Bet90d, ABB<sup>+</sup>50, Bet54e, Bet82b, Bet82f, Bet89e, Bet91c, Ken54, Bet91h, Bro82, McC20]. **H**. [Bet65a, Bet95b, MR85, Sch78, Sch95, Tho99]. **Hackinsack** [Wal15a, Wal15b]. **Hadron** [BBP91, BJB93]. **Half** [BH39]. **Half-Life** [BH39]. **Hall** [Bet93b, Ber96b]. **Halle** [HH14]. **Hamiltonian** [Per84a, Per84b]. **Hans** [Ano50, Ano61, Ano05b, Ano12a, Ano12c, Bof76, Bur68, Cli97, Edg91, For87, Gol68, Got98, Hod13, Hub14, Inc92, Jeh56, Kra13, Low13, Mer68, Nav14, Orb05, Pei57, Ros93, Sch67b, Tho99, Wal15a, Wal15b, Ada06, Bla82, Ano85b, Ano92a, Ano00a, Ano01, Ano05c, Ano05a, Ano12b, Anoxx, Ber96a, Ber80, Ber81, Ber06, Bet80a, BWMH81, Bet84b, BGP<sup>+</sup>93, Bet93e, Bet97e, Bet99d, Bha05, Bra05, Bri95b, Bro82, Bro73b, Bro05b, Bro05a, Bro06a, BL06a, Bro06b, BL06b, BL09, Dow82, Dre05, Dre07, Dys55, Dys05a, Dys05b, Dys06, Eks94, FBB14, For57, Fri99, GG05, GvH05, GvH06, Gas93, Gib05, Gol05, Goo99, Got98, GS05, Got05, Got06a, Got06b, Har07, Hod81, Hof96, HB06, Iof05, Iof06, Jac09, Kut05b, Kut05a, Lee05, LB07, Mad86, MB66]. **Hans** [Mar70, McD62, MTG05, MA06, Mer68, Neg05, Neg06, Pan05, Pep05, Pev78, Pri56, RS08, Sal05, Sal06, Sch96, Sch05a, Sch08, Sch12, Sch14b, Tel87, Tuc05, vB92, Dow83, Huf82]. **Happen** [Bet91d, SB86]. **Happy** [Bet79c, Sch05b, Sch06, Wri10]. **Hard** [BFK49, Bet69b, Run67, Ong88]. **hardback** [Hub14, Nav14, Tho99]. **hardcover** [Edg91, Wal15a, Wal15b]. **Harmonic** [SSB<sup>+</sup>97a, Bas71]. **Harmonics** [BB71, BB70, Flo76]. **Hartree** [RB37a, BR37a, RB37b]. **Harvard** [Hod13, Hub14, Nav14, Wal15a, Wal15b]. **Healey** [Hen94]. **Health** [Sch68]. **hears** [Fri99]. **Heat** [Bet42a]. **Heated** [BV74, BV75]. **Heating** [BW85]. **Heavy** [Bet36a, BTH50a, BJB93, JLBF66, SB67a, BTH50b, BTH50c]. **Heidelberg** [Sch67b, Sch67a]. **Heisenberg** [KRW05, Sch00a, HBD71, KW03, KRW05, LFK99]. **Heitler** [BO46, Frü03]. **Held** [Bet55c, AP77, Bec67, CCJ<sup>+</sup>34, KS87, KMP98, RS82]. **Helium** [Bet29d]. **Heliumgrundzustand** [Bet29d]. **Henrik** [OBxx]. **Henry**

[Bet95b, Edg91]. **Herbert** [Edg91]. **Here** [Bet91d, SB86]. **Herman** [BKJ84]. **Herru** [Sch34]. **High** [Bet42c, BML53, Bet53d, Bet64c, Bet65a, BB99, BLB99, BHL<sup>+</sup>01, BLB01, CB48a, CB60, GB51, MJB75, Aui02, Bet42d, Bet84d]. **High-Density** [MJB75]. **High-Energy** [Bet64c, CB60]. **High-Mass** [BB99, BLB99]. **high-temperature** [Aui02]. **Higher** [CFR82]. **Highlights** [ST86]. **Hilbert** [Bet54b]. **Himself** [RB02]. **hindered** [Bro82]. **historians** [Fri99]. **Historical** [ABP98, Seg85, APB96, Edg91]. **histories** [BWMH81]. **History** [Ber03, Bet52a, Bet82b, Bet82d, Bet90d, Bet91c, Blu87, Bro82, Hod81, Sch14b, TB82, AWCT09, CHW91, Fin06, Jun58, Jun82, KHFA67, WH72]. **Hitler** [Ber96b]. **Hoerlin** [BKJ84]. **Hoffmann** [Dys55, Dys56, Jeh56, Pei57]. **Holds** [Bet53c, Bet84c]. **Hole** [BHL<sup>+</sup>01, BLB01]. **Holes** [Bet44, Bet94d, BB99, BBL06, BB94a, BB94b, BLB99, BLW<sup>+</sup>00b, BLB01, BBL03]. **Holloway** [Bet94a]. **Honor** [Bet55c, Bet99a, Mer68, Lee11, MB66, dSFvLH66]. **Hot** [BBAL80, Hoy54, KMB57]. **House** [BBG<sup>+</sup>85a, Duf46]. **Hoyle** [AWCT09, Mad83]. **Hubbard** [LYS01]. **Human** [Duf46]. **Humanitarian** [Sch05a]. **Hundred** [Bet95b]. **Hunter** [Hen94]. **hvezdach** [Bet71b]. **Hwan** [Har07, RS08]. **Hybrid** [Bet78b, Bet80d, Bet81b, Bet79b]. **Hydrodynamics** [BFvN<sup>+</sup>44, PPvNF44]. **Hydrogen** [All56, Bac50, Bet29a, Bet48, BBSS50, B<sup>+</sup>50, Bet50d, Bet50c, Bet63a, Bet82d, Bet95a, Ken54, LR47, LB62, Rid50, Sal52, TB82, dHMAB54, Ano50, Bas71, BJMK92, BW87, Hoy46, SB54, SB55b, SB55a, SB71, WG17]. **Hypercritical** [BLB00]. **Hypernova** [MWBB02]. **Hypothese** [SB67c]. **Hypothesis** [MB47, YG06, Fun81, Kra16, SB67c, Wie81].

**I.** [Rabxx]. **i.e** [HPA97]. **IEF** [Rig07]. **Ignition** [Bre53, KMT46]. **II** [Dys55, JKWW85, JKWW15, BBB<sup>+</sup>87, Ber79b, Bet40c, BS47, Bet49c, BL50, Bet50d, BA53, BdH55, BBC56b, Bet67a, BYB82, BL88, DBM54, DHB<sup>+</sup>06, HHD73, KHM98, Per84b, Rig07, SB53, Yan13, vW38b]. **III** [Bac50, Ber79c, BBC57a]. **Ill** [Pei57]. **illus** [Gol68, Wal15a, Wal15b]. **illustrative** [Cab78]. **Illustrious** [Fer68, Fer71]. **im** [Bet29d, SB67d]. **immigrants** [Fer68, Fer71]. **Immobilized** [Rig07]. **impact** [BKD82, LW71]. **imperative** [Bet85c, Bet86c]. **Imperial** [Tho99]. **Imply** [BB93]. **Imprisoned** [ABB<sup>+</sup>77]. **Improved** [RJ10]. **Incomparable** [Sch05a]. **Incorrect** [BH39]. **Independence** [Bet82c]. **Independent** [CCG<sup>+</sup>11]. **index** [Wal15a, Wal15b]. **Indian** [Bey80]. **Individual** [Cle48]. **Industrial** [Hil15, Usd09]. **Industrial-Scale** [Usd09]. **Inelastic** [BBC56a, BBC56b, BBC57a, BBC57b, Ino71, IIT78, RYBB73]. **Inferior** [Bet82j, Bet83c]. **Inferiority** [Bet82e]. **infinite** [NB68, Ong86]. **Influence** [Bet34a, Bet97a]. **Influential** [Rog10, Har10]. **Informatics** [Blu87]. **Ingoing** [BB54]. **Inhomogeneous** [KZJ02]. **initiative** [Ano85a, Bet76g, Bet8xb, SAB<sup>+</sup>8x]. **Innern** [vW38a, vW38b]. **Innocence** [Stu18]. **Insight** [Bet91b, Wei91]. **institut** [CCJ<sup>+</sup>34]. **Institute**

[CCJ<sup>+</sup>34, RS82, WH72, Bet85a]. **Institution** [HPA97]. **integrable** [Jur89, Skr07, Skr09]. **Integral** [DB52, DBM54, DSB56]. **intellectual** [Fer68, Fer71]. **Intense** [SBB<sup>+</sup>97, SSB<sup>+</sup>97b]. **Intensity** [Ler71]. **Interaction** [Bet73b, CB60, MJBA75, BF32, BF33, Fun81, Lai74, YLGC02]. **Interactions** [BDSB94, CB60, SSB<sup>+</sup>99a, SBDB94, SBDB95, TBDB98, Gur01]. **Interest** [Bet95d]. **Interiors** [BM39, vW38a, vW38b]. **Intermediate** [BTH50a, Bet64b, BJ68, BJ73, BJ74b, BJ80, BJ86, BTH50b, BTH50c]. **Internal** [BLMB41, Edd20]. **International** [ACM09, CC73, KS87, KMP98, Opp46, CCJ<sup>+</sup>34, Bec67]. **Interpretation** [BHP39, BKP40, BHP97]. **Interrogating** [OM18]. **Interscience** [Bet54b, Gol68]. **Interview** [Ano01, Bet80a, Hof96, McD62, Pev78, Bet78a]. **Intrigues** [Ano95, BGS95a]. **Introduction** [Bal62, BdH54c, Bet56b, Bet56c, Bet70e, Bet99a, Duf46, KMGT97, KHM98, Bec29]. **Invariant** [Nak63a, AAHS99, DL83]. **inventory** [KHFA67]. **Inverse** [Bet72a, Wie81]. **Investigation** [Ano95, Sch32]. **Ion** [BJBP93, BJMK92]. **Ionization** [Bet35c]. **Ions** [JLBF66]. **Iraq** [Bie03]. **irises** [Bet43c]. **Iron** [MWBB02, Van32]. **Iron-Group** [MWBB02]. **irreversible** [Eva84]. **Isaac** [Hen94]. **ISBN** [Bet91b, Edg91, Hen94, Hod13, Nav14, Tho99, Wal15a, Wal15b]. **Ising** [Aui02, BG91b, WF11]. **Island** [BWL85, JKWW85, JKWW15]. **isoelectric** [Rig06]. **Issue** [Bet99a, Got05]. **Issues** [Sal05]. **Istochniki** [Bet68c]. **Ithaca** [Ano37]. **IV** [BBC57b, BBH<sup>+</sup>73]. **ix** [Hub14].

**J** [Ano50, Bet90b, Bet97c, Geh73, HD72, Mer68, Sch68]. **J**. [Bet63b, Bet67d, BSK67, Bet68f, Bet91e, Bet97b, Goo80, Goo81, KW69, OBxx, PC06, PBB97, RB67a]. **Jacobsen** [Wal15a, Wal15b]. **jadernoj** [Bet76f]. **jadernye** [Bet55a]. **James** [Bet98b]. **January** [BH88, CJK92]. **Jasons** [Fin06]. **jenergetiki** [Bet76f]. **jenergii** [Bet68c]. **Jenergija** [Bet70a]. **Jeremy** [Huf82]. **Jo** [Wal15a, Wal15b]. **John** [Ber10, Hal17, Réd05]. **joined** [Roj08]. **Jones** [Hen94, WG68]. **Joseph** [Ano92a]. **Journey** [Bet01b, FR13]. **Joy** [Bet91b, Wei91]. **Judging** [Har10]. **Judgment** [Bof76]. **July** [AP77, Ano37, Bet56b, Bet56c, BL09, Dre07, Gol68, LB07, RS82, MB66]. **June** [ACM09, DS88, RS82]. **Jungk** [Bet58a]. **Juni** [HH14].

**K-Electrons** [BBW50, WB51]. **kapton** [Por97, Por99]. **Kathlerine** [Duf46]. **Kathodenstrahlen** [Bet29c]. **keepers** [Van03]. **kernel** [Aui02]. **kernels** [CFR82]. **Kernmassen** [vW35]. **Kernspaltung** [Bet01d]. **Key** [Ken54]. **Kidder** [Mor02]. **Kinematic** [Ler71]. **Kinetic** [BR37a]. **Klaus** [Wal15a, Wal15b, Ber10]. **Klein** [Eks94]. **Knizhnik** [Gar02]. **Konflikt** [SB55a]. **Konstruktion** [SB55a]. **Korpuskularstrahlen** [Bet30b]. **Kristallen** [Bec29, Bet28a, Bet29b]. **Kritik** [BF33, Bet34c]. **Krystallen** [Bet27, Bet28b].

**L** [Orb05]. **L**. [Geh73]. **Laboratory** [Bet98a, Nav06]. **Labs** [BCMR92, Bet93f]. **Labyrinth** [Hal17]. **Lack** [Bet71e]. **Ladder** [Kai05a].

**Lamb** [BBF53, BBS50, BJMK92]. **Landau** [Bro71]. **landed** [McC20].  
**Landmarks** [Bar08]. **Lanouette** [Bet93a]. **Laplacian** [RJ10]. **Large**  
 [Bet38d, BK62, Bet94d, BB94a, BB94b, Ler71, Bet49b]. **Large-Scale** [Ler71].  
**largest** [RR07]. **Laser** [BV74, Bet84b, Bet84a, BV75]. **laser-heated** [BV75].  
**Last** [Dre05]. **Lattice** [BSS05, Lai74, Run67]. **Lattices**  
 [BG91b, Eva84, Per84a, Per84b]. **Laucht** [Wal15a, Wal15b]. **Laureate**  
 [Ano05b, Bof76, Bro82]. **laureates** [Bie03, Hoi01]. **Lauritsen** [Hol03]. **Law**  
 [Ben38]. **Lawrence** [Hil15]. **layer** [Bet42e]. **Leadership** [BC00]. **Leap**  
 [BCMR92]. **Lecture** [Bet56b, Bet56c, Bet94b, BCC+46, Ber96a, Bet68g].  
**Lectures** [BFvN+44, Bet99d, BDH70, Eks94]. **Lee** [Har07, RS08]. **left**  
 [Ano50]. **Legacy** [Iri06, Tur08]. **Legend** [OM18]. **Legendre** [CFR82]. **lekci**  
 [BDH70]. **length** [CWL+04]. **Lennard** [WG68]. **Lennard-Jones** [WG68].  
**Leo** [Bet93a]. **Léon** [Wal15a, Wal15b]. **Leopoldina** [HH14].  
**Leopoldina-Symposium** [HH14]. **less** [Bar88]. **Let** [ABB+50]. **Letter**  
 [Bet60b, Bet89d, BCMR92, Bet93c, Bet95c, Bet95d, Bet97c, Bla87, Cli97,  
 DeN76, Fes77, GT38, Gla76, Mar08, Maw78, McK86, Mol89, Nov76, Pal76,  
 Tel87, vHWD76, BBG+85a, Dem15, Moy97]. **Letters** [Ger75, Gir75, Gul75,  
 Hen94, KRW05, Sau75, Smi75, Wei75, Dys18, Réd05, CSB+31]. **Level**  
 [HB51b, Bet84d, Sch15]. **Levels** [Bet36a, Bet47a, BN68a]. **Li** [Bet38c].  
**Library** [Blu87, Sch68]. **Life** [BH39, Bet67e, Bet81c, Bet93d, Bet06,  
 KMN+96, Sch95, Sul75, Bet88b, BDH+89, Bet03, Gol05, PC06, BDH70].  
**Lifton** [Bet90b]. **Ligand** [Bal62, Kut05b, Kut05a]. **Ligandenfeldtheorie**  
 [Kut05b]. **Light** [Bet35a, Bet38b, BR52, Bet75e, GB89, LBC+75, RV88].  
**light-water** [LBC+75]. **Lilienthal** [Ano50]. **limit** [AAHS99]. **Line** [RJ11].  
**linear** [Bet31b]. **lineare** [Bet31b]. **Lines** [MWBB02]. **Linus** [KMN+96].  
**Liquid** [LB62]. **List** [BL06b]. **Lit** [Bro97]. **Lives** [Bet80e, Bet93f]. **Living**  
 [Sch96]. **Livingston** [For87]. **Lloyd** [BKHS89]. **logarithm** [BJMK92].  
**London** [Bet54b, Nav14, Wal15a, Wal15b]. **Long** [Bet01b]. **Look**  
 [Bet01b, Har10]. **Looks** [Sal02]. **Loop** [Yui01]. **Loser** [BG82b]. **loss**  
 [CF12, Frü03]. **Lost** [Sau75]. **Low** [Bet94d, BB94a, BB94b, BLB99].  
**Low-Mass** [BB94a, BB94b, BLB99]. **luminaries** [Bri95a]. **Luminosity**  
 [BYB82]. **Lumped** [Bet43c]. **LWR** [Bet75c].

**M** [BGM91b, For87]. **M.I.T.** [Bet69c]. **MA**  
 [Hod13, Hub14, Nav14, Wal15a, Wal15b]. **Macmillan** [Wal15a, Wal15b].  
**Made** [Bet99d, Haw11]. **Magic** [Bet01a, Cho01]. **Magnetic** [Bet31a, Bet35c,  
 Bet38c, HLB37, RYBB73, RB37a, RB37b, SSB+97d, CH02, Sco94, BF33].  
**Magnetische** [BF33]. **Magnetized** [SSB+97b, SSB+97c]. **magneto** [Bec29].  
**magneto-optical** [Bec29]. **magneto-optischen** [Bec29]. **Magnetoplasmas**  
 [SBB+97, SSB+97a]. **magnon** [MB82]. **Make** [BT82, YB85]. **Maker**  
 [Dys18]. **Makes** [Bar08]. **Making**  
 [Bet95a, Dow83, Hod13, Hub14, Kra13, Low13, Nav14, Wal15a, Wal15b, Sch12].  
**Man** [Bet93a, Bro73a, Eds68, Hol03]. **Management** [Bet84d]. **Manhattan**  
 [Ber96a, Bet94g, BC00, HHW99]. **Manuscripts** [Hen94]. **Many**



[Bet36b, Bet56a, HB06, Kai05a, KB38, KS87, Pan05, Tel55, CC73, HM83, MHFW72, Per63]. **many-beam** [HM83]. **Many-Body**  
 [Bet36b, Bet56a, HB06, Kai05a, KB38, KS87, CC73, Per63]. **March**  
 [Bet99a, BL09, Dre07, KMN<sup>+</sup>96, LB07]. **Marcus** [Bet01a]. **mark**  
 [AP77, PBB97]. **Marks** [Sch00a]. **Markusen** [Bet90b]. **Marshak**  
 [Gol68, Mer68]. **Marvin** [BGM91b]. **Mary** [Wal15a, Wal15b]. **Maryland**  
 [ACM09, Blu87, Hen94, Sch68]. **Mass**  
 [Bet46a, BP90, Bet94d, BB95, BB99, BB94a, BB94b, BLB99, BHL<sup>+</sup>01, BLB01, Gam30, Kea68, Nak63a, WG68, Bar88, Bre75, vW35]. **Mass-Energy**  
 [BP90]. **Masses** [Bet35a, BLB01, Jea24]. **Massive** [Ros66, NaH88]. **Master**  
 [Ber79a, Ber79b, Ber79c, Ore04]. **Masters** [Duf46]. **Materials**  
 [ABB<sup>+</sup>46, BA59]. **Materie** [Bet30b, Bet33a]. **Math** [HD72]. **Mathematical**  
 [Bet54b]. **Mathematics** [Ber03, FF91]. **matrices** [Skr07, Skr09]. **Matrix**  
 [SB61, BW87]. **Matter** [BBP71, BA53, BBP63, Bet65b, Bet67a, BR67, Bet67f, BBS70, Bet71d, BJ74a, BBC87a, Dys66, Han74, Neg05, Neg06, RB67b, Bet30b, Bet33a, BN68b, Bro88a, KW69]. **Maximum**  
 [BR37b, Bet50e, BB95]. **May** [ACM09, GSS<sup>+</sup>03]. **McMahon** [Ano50]. **MD**  
 [Bet98a]. **Meaning** [Duf46, MW46, MW07]. **Meaningless** [Bet81a].  
**Measurements** [BKP40, Por04b]. **measures** [Per84a, Per84b]. **mechanical**  
 [HBE87, Sch32]. **Mechanics** [Bet33b, Sch78, BS57a, BS57b, Bet64b, BJ68, BJ73, BJ74b, BS77, BJ80, BJ86, BS08, Saz87]. **Mechanism**  
 [Bet94b, SB54, SB71, All56]. **mechanisms** [Bet90a]. **Medal** [Bet93e].  
**Medalist** [Ros93]. **media** [DeS73]. **Medical** [Blu87]. **Medicine**  
 [Blu87, Sch68]. **Medium** [BTH50a, SSB<sup>+</sup>97c, BTH50b, BTH50c]. **Meet**  
 [PS69]. **Meeting** [Bet55c, CCJ<sup>+</sup>34, MR85]. **memoir** [Kil77]. **Memoirs**  
 [Bet01b]. **Memorandum** [Bet35d, Bet52a]. **Memorial**  
 [CJK92, Eks94, Bet55c]. **Memoriam** [GvH06]. **Memories** [BR93, MTG05].  
**Memorium** [GvH05]. **Men** [All56, Ano92b, Str63, SB54, SB71, Van03].  
**Menace** [All56, SB54, SB71]. **Mentality** [Bet90b]. **Mentor** [Sch05a, AM23].  
**Merely** [Ber01]. **Merge** [BB98]. **Mergers** [BB99]. **merging** [BBL07].  
**Meson** [BB51, BM55, Bet39b, Bet40b, Bet40c, BN40, Bet46a, BW51, Bet53b, BdH54a, BdH54b, DRS<sup>+</sup>54, LB62, MB47, Pei57, BdH54c, Bet55d, DSB56].  
**meson-nucleon** [DSB56]. **Mesonen** [Bet55d]. **Mesons**  
 [Bet54c, Bet54a, BdH55, SBdH56, Bet70b, SBdH55, Bet49c, WA94, BdH55, Bet55a, Dys55, Dys56, Jeh56, Pei57, Dys55, Pei57]. **Messages** [BBH<sup>+</sup>73].  
**metal** [BF33, SB67b]. **Metall** [SB67b]. **Metalle**  
 [Bet31b, Sch67a, Bet67c, Sch67b, SB33, SB34, SB67e]. **Metallelektronen**  
 [BF33, Bet34b]. **Metallic** [Ano37]. **metallow** [BZ38]. **Metals**  
 [Bet34b, BZ38, Bet31b, Bet67c, HBE87, NBP<sup>+</sup>34, Sch67a, SB33, SB53, SB67e, SB34, Sch67b]. **métaux** [NBP<sup>+</sup>34]. **meteoric** [Kra16]. **Method**  
 [Bet38d, BBP63, LR47, MB40, PB73, WLB36, vdLB47, BK93, Cab78].  
**Methoden** [Bet29d]. **methodologies** [Rig06, Rig07]. **Methods**  
 [Bet29d, Dir69, DeS73, Dir70, Bet54b]. **Mev** [dHMAB54]. **Mezony** [Bet55a].  
**Michael** [Dow83, Dow82, Hen94, Wal15a, Wal15b]. **Michel** [Sch15].

**Microfilm** [Hen94]. **microfilms** [Hen94]. **Microwave** [LR47]. **middle** [McC20]. **Migdal** [Bro71]. **migration** [Fer68, Fer71, Hol84]. **Mikheyev** [BB91a]. **Military** [Bet70c, Edg91, Hill15]. **Miller** [BGM91b]. **Minimize** [Yui01]. **Minute** [BH39]. **Missile** [BGGK84, BGGK12, GB68, CWB+69]. **Missiles** [Bet69b, Bet89d]. **Mission** [Fak83]. **Mixed** [BB51]. **mixture** [Frü03]. **Mnemonic** [Ran48]. **Model** [BR37a, Bet38c, BB52, BG91b, KB38, RB37a, RB37b, AAHS99, AFF01, AMS11, Aui02, DL83, FCC09, Frü03, Gar02, KW03, KZJ02, KM01, LYS01, MP91, PcPZ90, Ray97, RS05]. **Models** [MJB75, AFF01, HSY04, Jur89, Per84a, Per84b, WW88, ZLGM03]. **Modern** [Gol68, Mer68, Tho99, GSS+03, MB66, Opp66, ST86, Uns00]. **moderne** [Uns00]. **Modes** [SSB+97a]. **Modified** [Por99, Por03]. **molecular** [BJMK92]. **Molecules** [Ino71, Run67, IIT78]. **Molière** [Bet53a]. **Moment** [Ano00b, Bet35c, Bet38c, HLB37]. **Moments** [RB37a, RB37b]. **Momentum** [Sae67, SB59]. **mondial** [SB55b]. **monograph** [Sch15]. **Moral** [Aft02, Fra01, Lan00, Olw01, Sar01, Sei01, Sch00b]. **Mordechai** [AAB+88]. **Morrison** [Edg91, For57, Pri56]. **Most** [BR93, Rog10, Har10, Haw11]. **Motion** [SBSW60]. **movement** [BFG+85]. **Moving** [Bet99b]. **Moynihan** [Moy97]. **Mr.** [Sch34]. **Mrs** [Ano50]. **Mrs.** [RMR+50]. **MRT** [Per84a]. **Much** [Dow83, Ger75]. **multi** [BK93]. **multi-grid** [BK93]. **Multiple** [BRS38, Bet46a, Bet53a, YLGC02]. **Muonic** [BN68a]. **must** [Pol19]. **My** [Bet81c, Bet93e, Bet03, Bet06, Jac09, Sal06, NS15]. **mylar** [Por97]. **Mystery** [FR13].

**N** [HB40]. **nach** [Bet29d]. **Named** [Bet63b]. **National** [Blu87, GR63, Sch68, Tel87]. **NATO** [RS82]. **Natural** [FBE+34]. **NDRC** [Bet98a]. **NDRC-B-237** [Bet98a]. **Near** [Bet75c, BBCW83]. **Near-Breeders** [Bet75c]. **nearest** [Lai74]. **necessary** [BBG+85a]. **Necessity** [Bet76e, Bet76f]. **Need** [Bet77e, BG83a, Bet91f, Bet98c, Smi75, Bet83b]. **Needed** [Bet88c]. **Negative** [LB62]. **Negotiations** [Bet54d]. **neighbor** [Lai74]. **Neobhodimost** [Bet76f]. **Net** [CBB84]. **Neuere** [Hou30]. **Neumann** [Ber10, Réd05]. **Neutrino** [BB90, BB93, BP34a, BP34b, Bet35c, BAB80, BYB82, Bet82g, BW85, Bet86a, Bet94c, BP97a, BP97b, Myr88, SSB+97d, SBB+97, SSB+97b, SSB+99a, SBDB94, SBDB95, TBDB98, Bet89a, Nav06, RV88, SSB+98]. **Neutrinos** [BS05, BS06, BBAL80, Bet92, Bet94f, BDSB94, BBD+96, Coo88, SSB+97c, SSB+97a, SSB+99b, BB91a, BBD+95, Mad86]. **Neutron** [App88, BB47, BBP71, BB51, BKP40, Bet49b, BTH50b, BTH50c, BTH50a, BS68, BBS70, BB95, Bet98b, Bet01e, BLZB01, GB51, HLB37, HB51b, LB52, MJB75, Bet52b, BL88, Eps88]. **Neutron-Star** [BLZB01]. **Neutrons** [BP35b, Bet35b, BBC56a, BBC56b, BBC57a, BBC57b, BP97c, CB48a, WLB36]. **Neveu** [DL83]. **Newton** [Hen94]. **Next** [Ale05, BL83]. **nichtstationäre** [Bet30a]. **Nickel** [Hoy54]. **Niels** [Duf46, Ano95, Bet85a, FK85, OBxx]. **nine** [Van03]. **Nitric** [KMB57]. **No** [BAA+75, BBM+76, Bet85d, Bet98a, Gir75, Hen94, BG83b, Bet75d]. **Nobel**

[Ano12c, BS83, Ano05b, Bet63d, Bet67b, Bet68g, Bie03, Bof76, Bri95a, Bro82, Hoi01, Kra17, Mad83, Sch14a]. **Nobelpreis** [Sch14a]. **Non** [Bet73c, Skr09, Bet30a, Skr07]. **Non-skew-symmetric** [Skr09, Skr07]. **non-stationary** [Bet30a]. **None** [Duf46, MW46, MW47, MW07]. **Nonlinear** [BBD<sup>+</sup>96, SBB<sup>+</sup>97, SSB<sup>+</sup>97b, SSB<sup>+</sup>97c, SBDB94, SBDB95, Jur89, PcPZ90, Wie81]. **Nonstatic** [BM71, BM72]. **Nonuniform** [SSB<sup>+</sup>97d]. **Normalization** [DL83, Sat63, Tom83]. **Norms** [PcPZ90]. **Note** [Bet64c, Bet72a]. **Notes** [Bre53, RS08]. **nova** [Bet93j, BLLB00a, BLLB00b]. **Novel** [CC73]. **November** [Blu87]. **noyau** [Hei34]. **noyaux** [CCJ<sup>+</sup>34].

### **Nuclear**

[AM86, Anoxx, Bec67, BM55, BB36, Bet36b, Bet37a, BP37, Bet39b, Bet40b, Bet40c, Bet40d, Bet47b, Bet49a, BL50, Bet50e, BB52, Bet54a, Bet55a, Bet56b, Bet56c, Bet56a, Bet60a, BBP63, Bet65b, Bet67a, BR67, Bet67f, Bet70b, Bet71d, Bet74, Bet75d, BAA<sup>+</sup>75, Bet76b, Bet76g, Bet77a, Bet77d, Bet77e, Bet80b, Bet82e, BT82, Bet83b, BBCW83, BMG87, Bet88c, Bet90d, Bet91f, BGM91a, BGM91b, Bet93f, BGS95b, BGS95a, Bet97a, Bet98c, Bet99c, BCC<sup>+</sup>46, Bof76, Bro97, Bro05a, Dow83, For57, For87, Gam30, HB06, Hoy54, KMT46, LB50, LB52, LB37, McC20, MB85, MB86, Mla98, MJBA75, MHFW72, Neg05, Neg06, Pei91a, Pei91b, Pri56, RB67b, RB37b, Sal52, Sch12, Seg59a, Seg53, Seg59b, Seg85, Stu18, TB84, Usd09, Wal15a, Wal15b, BCSF82, Bet54c, BM56, BT61, BN68b, BJ76, BBL86, Bet89c, BG91a]. **nuclear** [Bet91j, BM06, Blu88, CC73, CHW91, KMP98, MR85, Pol19, SB76, WH72, vW35, Bet37a, Kra13, LB37, Nav14, RB37a, Stu79, Wal15a, Wal15b, Hod13, Hub14, Low13]. **Nuclei** [ATP82, Bet35b, BB36, BR37a, Bet38b, BTH50a, Bet58b, BE68, Bet68b, BBS70, Bet73c, Bet73a, Bet77f, FSB71, HB51a, NB68, SB67a, SSB75, Bet49c, BTH50b, BTH50c, BG57, CCJ<sup>+</sup>34, Lee11, MR85]. **Nucleon** [Bet53b, CB60, DRS<sup>+</sup>54, FT75, SB61, DSB56, Fle73].

**Nucleon-Nucleon** [SB61, Fle73]. **nucleosynthesis** [AWCT09, App88].

### **Nucleus**

[Bet36a, Bet40a, Bet53c, BM71, BM72, Bet84c, FR13, Hei34, Hou30]. **Nuke** [Ano05a]. **Nukes** [BG83a]. **Nullpunkttemperatur** [BBR31]. **Number** [Bet36a, Bet94d, BB94a, BB94b]. **Numbers** [Ben38, CWL<sup>+</sup>04]. **Numerical** [BBS50]. **Nurturing** [Ale05]. **NY** [Ano37]. **Nye** [Wal15a, Wal15b].

### **O** [BS37]. **Obituary**

[BKJ84, Bet88d, Bet05b, GS05, Got06b, PBB97, Tuc05, Dit80]. **Objects**

[BB98, BBL07]. **Observation** [RV88]. **Observational** [BB95].

**Observations** [Ber01, Bet54e, Bet82f, Bet89e, BP90, Por03]. **observed** [Por04b]. **Obtainable** [BR37b]. **obtained** [Roj07]. **Obtaining** [vdLB47].

**occasion** [AP77, BCSF82, Gol68, MB66]. **occupancies** [YLGC02].

**Occurring** [Hoy54]. **ocean** [Gur01]. **October** [CCJ<sup>+</sup>34, KMP98]. **octobre** [CCJ<sup>+</sup>34]. **Oersted** [Bet93e, Ros93]. **Off** [TB84, AFF01]. **off-shell** [AFF01].

**Office** [Bet98a, Orb05]. **Old** [Bet95b]. **One**

[Bet33b, FT75, MW46, MW47, MW07, Sch78, BS57a, BS57b, BS77, BS08,

Fri99, Har10, Lai74, LYS01, MB82, YLGC02, Duf46]. **One-**  
 [Bet33b, Sch78, BS57a, BS57b, BS08]. **one-and** [BS77]. **One-Boson** [FT75].  
**one-dimensional** [LYS01, YLGC02]. **Open** [Tel87, LYS01, BBG<sup>+</sup>85a].  
**opened** [MR85]. **Opening** [Sch00a]. **operators** [KM01]. **Oppenheimer**  
 [Aft02, Bet67d, Bet97b, Edg91, Fra01, Lan00, Olw01, RB67a, Sar01, Sei01,  
 ACU<sup>+</sup>54, Ano50, Bet38e, Bet63b, Bet67e, BSK67, Bet68f, Bet91e, Bro82,  
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 [BC00]. **Oppose** [Bet93a]. **opposition** [Bro82]. **optical** [Bec29]. **optics**  
 [Jur89]. **optischen** [Bec29]. **Oral** [Hod81, BWMH81]. **Order**  
 [Bet38f, BK39, BM71, BM72, SG73]. **Order-Disorder** [BK39]. **Oregon**  
 [KMN<sup>+</sup>96]. **Origin** [ABG48, Bet01a, Gam66, Pen79]. **Origins**  
 [Cho01, Wal15a, Wal15b]. **Oscillator** [Bet56d, CTSOS99, Bas71]. **Oskar**  
 [Eks94]. **Osteochondrosen** [HB69]. **osteochondroses** [HB69]. **other**  
 [Bri95a]. **Otto** [BW80]. **overflow** [Fri99]. **overlooked** [Mad83]. **Own**  
 [BCMR92]. **Oxford** [AP77, DS88]. **Oxide** [KMB57]. **Oxygen** [BLZB01].

**P** [BKHS89, Bet91g, CJK92, JMWB86, HB40]. **P.** [CJK92]. **Pacific** [Ken54].  
**pages** [Fra01]. **Pair** [BM54, DB52, DBM54, MB52, SB59]. **Palgrave**  
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**Parameters** [Por98, Por97, Por99, Por03, Por04b]. **Part**  
 [AK10, Gur01, WGO<sup>+</sup>91, Bet40c, BA53, BBC56a, BBC56b, BBC57a,  
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**Partition** [WF11]. **Parts** [NR66]. **Passage** [Pei85, Bet30b, Bet29c, BA53].  
**passes** [Ano05b]. **Passions** [Bet91b, Wei91]. **path** [MR85, RM09]. **patterns**  
 [Dys18]. **Paul** [BH88, CJK92, JMWB86, Sch14b]. **Pauli**  
 [Uns00, Bet72b, Bet00b, Uns00]. **Pauling** [KMN<sup>+</sup>96]. **Pb** [BS68]. **Peace**  
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**Penetration** [BFK49, BTH50a, BTH50b, BTH50c]. **People** [Ano05c, Tel55].  
**Percentages** [DF79, MYZ67]. **Percolation** [BSS05]. **periodic**  
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**Personal** [Ber01, Bet91j, Jun58, Jun82]. **Perspective**  
 [GSB<sup>+</sup>83, Seg85, Bet91j]. **Perspectives** [MB66, Opp66, Sch95, Mer68, Gol68].  
**Perturbation** [BS43, Kea71, Liu72]. **Perturbations** [Bet38d]. **Peter**  
 [BH88, Hen94]. **Peterson** [Pei57]. **Pevsner** [Bet78a]. **pH** [Rig07]. **Phase**  
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**Phase-shift** [Bet55b]. **Phases** [Ano37, BG91b]. **Phenomena**  
 [Bet37b, Bec29, Bet53d]. **Phenomenon** [LG78, Rai85]. **Philip**  
 [Edg91, For57, Pri56]. **Phillips** [Bet88d, Bet38e]. **philosophical** [HBD71].

**Philosophie** [HH14]. **philosophische** [HBD71]. **Philosophy** [Wal15a, Wal15b]. **Photo** [BL50, LB50]. **Photo-Disintegration** [BL50]. **Photo-Effect** [LB50]. **Photocapture** [HB51a]. **Photoeffect** [LB52]. **Photoeffekts** [Bet30a]. **Photoelectric** [BP34c, Bet30a]. **Phys** [HD72, RB37a]. **Physical** [Bet55c, Bet75e, Bet95b, Bet99a, LBC<sup>+</sup>75, FT70, HBD71]. **Physicist** [Bet81c, Hod13, Hub14, Iri06, Kra13, Low13, Nav14, Pei85, Wal15a, Wal15b, Wei91, Sch12, Bet89b, Bet91b]. **Physicists** [PS69, Bet01d, Hol84]. **Physics** [ABP98, Ano12c, Anox, BB93, Bec67, BM55, BB36, Bet37a, BM39, Bet65a, Bet67b, BDH70, BS83, Bet88c, Bet93d, Bet95b, Bet97a, Bet99d, BM04, BGA<sup>+</sup>13, BCC<sup>+</sup>46, Bro05a, Bro06b, DS88, For87, Gol68, Han74, LB37, MA06, Mer68, MKR87, Mla98, Mon49, Pan05, Ros93, Seg59a, Seg59b, SSB<sup>+</sup>99a, Stu18, Tho99, Wal15a, Wal15b, AP77, APB96, BBL86, BDH<sup>+</sup>89, Bet93e, Bet99c, BM05, Bra05, BL06a, Dir69, Dir70, FF91, Fri99, GSS<sup>+</sup>03, Haw11, Kai05b, KHFA67, MB66, MR85, MHFW72, Opp66, Stu79, Uns00, WH72, dSFvLH66, Bet55d, CCJ<sup>+</sup>34, JKWW85, JKWW15, RS08, Bet54b, Har07]. **Physik** [HH14, Bet55d, Uns00, FBB14]. **physikalische** [HBD71]. **Physiker** [Bet01d]. **physique** [CCJ<sup>+</sup>34]. **pi** [Bet55d]. **pi-Mesonen** [Bet55d]. **picture** [SBSW60]. **Pilgrimages** [Bet04]. **Pion** [Bet72b, Bet73a, JB78, dHMAB54, Bet55b, BJ76]. **pion-proton** [Bet55b]. **Pioneer** [Ano05a]. **Pioneers** [Tho99]. **Pions** [Bet77f]. **Plan** [Bet60c, BG82b]. **Planar** [CH02]. **planet** [Ano85a]. **Plasma** [BV74, BBD<sup>+</sup>96, SSB<sup>+</sup>99a, TBDB98, BV75]. **Plasmas** [BDSB94, SSB<sup>+</sup>97b, SBDB94, SBDB95, BBD<sup>+</sup>95]. **Plate** [BW39]. **Pledge** [ABB<sup>+</sup>50]. **Plenum** [Sch78]. **Plenum/Rosetta** [Sch78]. **plus** [LW71]. **Point** [Bet69b, Bet94g, Bey80]. **Polanyi** [Wal15a, Wal15b]. **Polarization** [Bet58b, RB39, SB61]. **Polarized** [SB61]. **Pole** [ROB63]. **Poles** [BK62, Nak66]. **policies** [CHW91]. **Policy** [Bet75a, Bet82e, Bet84b, Dre06, EBU<sup>+</sup>52]. **political** [Bro82]. **Politics** [Hab69, Wal15a, Wal15b, LW71, Bet01b]. **Polymath** [Har01]. **Polynomials** [WF11]. **polystyrene** [Por97]. **Ponderomotive** [BBD<sup>+</sup>96]. **Positive** [BH34]. **Positrons** [Bet35e]. **possibility** [BG91a]. **Possible** [Bet50e, Bet82c, Bet86a, Bet94c]. **postgraduate** [Sch15]. **postwar** [Fin06, Kai05b]. **Potential** [BK62, Kea69, Ong88, SB53, SB67d]. **Potentialfeld** [SB67d]. **Potentials** [BJ74a, WG68]. **Power** [Bet35c, BBW50, BAA<sup>+</sup>75, Bet76b, Bet76e, Bet76f, Bet77a, Bet77d, Bet77e, Bet91f, Bet98c, FvHW79, Por98, Por04a, WB51, Bet91j, Por97, Por99, Por04b, SB76]. **Pp** [Edg91, Hen94, Nav14, Pei57, Sch68, Tho99, Bet54b, Duf46, Gol68, Hod13, Hub14, Wal15a, Wal15b]. **Practice** [Pei57]. **Preceded** [Ken54]. **precision** [Tur08]. **Predictions** [Bet99b]. **Preis** [Sch78, Sch67b, Sch67a]. **Preludes** [dSFvLH66]. **presence** [BJ77]. **Present** [CC73, RYBB73, CHW91]. **presented** [BCSF82, Bet93e, Blu87]. **Preservation** [Bet93g]. **President** [Kil77, ABB<sup>+</sup>80, Bet97c, GBG<sup>+</sup>86]. **President-Elect** [ABB<sup>+</sup>80]. **Press** [Edg91, Fra01, Hod13, Hub14, Nav14, Tho99, Wal15a, Wal15b]. **Pressure**

[CBB84]. **Presupernova** [NaH88, WW88]. **prevent** [Pol19]. **price** [Hen94]. **primordial** [App88]. **Princeton** [Fra01]. **Principle** [Bet72b]. **Printed** [Sch68]. **private** [Lee09]. **Privilege** [Bet89b]. **Prize** [Ano12c, Bet67b, BS83, Mad83, Ano92a, Bet63b, Kra17, Sch14a]. **Probability** [Per84a, Per84b]. **Problem** [BB90, Bet36b, Bet56a, BR67, Bis67, HB06, Huf81, Kai05a, Kea70, RB67b, Bet76a, CC73, Fun81, Per63]. **Problems** [Bet33b, B<sup>+</sup>62, Bet70c, BB54, Iof05, Iof06, JKWW85, JKWW15, KS87, SB51, Bet71a, Bet8xb, Per84b]. **procedure** [BW87]. **Procedures** [Cle48]. **Proceedings** [BM55, DS88, KMP98, RS82, ACM09, AP77, BBM78, Blu87, CC73, JKWW85, JKWW15, KMN<sup>+</sup>96, KS87, Per63, Stu79, WH72]. **Process** [Bet38e, App88]. **Processes** [BP37, BG91a, Eva84]. **produced** [Dow83]. **Producer** [Dow82]. **Production** [Anoxh, Bet39c, Bet39a, Bet42b, BA52, BM54, Bet66a, Bet68e, Bet70d, Bet71b, Bet83a, DB52, DBM54, MB52, SB59, Bet68g, Bet68d, Bet68a]. **Produkte** [Bet71b]. **Prof** [Pei57]. **Professor** [AP77, Ano38, Bur68, Cli97]. **Profiles** [Ber79a, Ber79b, Ber79c]. **Profound** [Bet91j]. **Program** [Ano93, Bet52a, Bet93c, Ham73]. **project** [BGP<sup>+</sup>93, Ber96a, Bet94g, Bet00a, BC00, Bet05a, Gas93, HHW99]. **projectile** [Por03]. **projectile-** [Por03]. **projectors** [CFR82]. **prompt** [BBB<sup>+</sup>87]. **Propagation** [CBB84, SSB<sup>+</sup>97c, Fur85, Gur01]. **Proper** [Nak66]. **Properties** [Kea66, Bet49c, CCJ<sup>+</sup>34, ML83, Per84a]. **Prophet** [Ber81, Dow82, Dow83, Huf82, Bla82, Ber80]. **Proposal** [Bet60b, BGM91a, Pei91a, Pei91b]. **Proposed** [BB52]. **propriétés** [CCJ<sup>+</sup>34]. **protégé** [AM23]. **Protest** [BS47]. **Proton** [BB51, BC38a, BC38b, BdH54a, BdH54b, BH56, Bet64c, Bet55b]. **Protons** [BP35b, Bet50a, Bet58b, BP97c, CB48a, Bet49c, Tom83]. **provided** [Hen94]. **Proving** [Bet98a, Ken54]. **Public** [Bet87a, Bet95d, CBR87, Dre06, Duf46, Sch68, MW46, MW07]. **Publications** [BL06b, Hen94, Lee05]. **Published** [Hen94, Hub14]. **Publishing** [Bof76, Tho99]. **Pure** [BG91b]. **Purposes** [Edg91]. **Puzzle** [Bet86a, Bet94c].

**Quake** [DHB<sup>+</sup>06]. **Qualitative** [Bet73c, Bet73a]. **Quanta** [HBD71]. **Quanten** [HBD71]. **Quantenmechanik** [Bet33b]. **Quantentheorie** [BBR31, Hou30, Bet33c]. **Quantitative** [Bet34b]. **quantities** [MIT06].

**Quantum** [BP35a, BS57a, BS57b, BS77, Bet99d, Bet99e, BS08, Dys05b, Dys06, Fer32, Hal17, JKWW85, JKWW15, Sch78, Sch58, Sch03, Skr07, AAHS99, BBR31, Bet64b, BJ68, BJ73, BJ74b, BJ80, BJ86, CSB<sup>+</sup>31, Haw11, HBE87, Hou30, Jur89, KHFA67, LFK99, MN07, Saz87, Wie81, Bet33c, Bet33b]. **quantum-mechanical** [HBE87]. **Quark** [BBP91, BJB93, WA94]. **Quark/Gluon** [BBP91]. **quarreled** [Bet01d]. **Quasars** [Tel66]. **quench** [FCC09]. **Questions** [Pal00]. **Qui** [Dem15].

**R** [Bet34c, Bet54b, Gol68, Mer68, Tho99]. **R.** [Bet34c]. **Rabi** [Rabxx]. **Race**

[Bet82a, Duf46, WM15, BKD82, Bet69a]. **Radiation**  
 [Bet35e, BKP40, BO46, Fer32, KMB57, SSB<sup>+</sup>97b]. **Radiations**  
 [BA53, RCE30]. **radioactive** [Bet84d, Kra16, RCE30]. **Radioactivity**  
 [BH39]. **Radius** [Bet36b, BS68]. **Ralph** [AM23]. **Ram** [CBB84]. **Random**  
 [Web73, DeS73]. **Range** [Bet49e, Bet49a, BL50, Bet50a, Bet49c].  
**Range-energy** [Bet49c]. **Rapports** [CCJ<sup>+</sup>34]. **Rare** [Bet30c]. **Rasetti**  
 [Goo01]. **Rate** [GT38]. **Ray** [BLW<sup>+</sup>00a, BHL<sup>+</sup>01, BLB01, MWBB02, Mon49,  
 BN68a, BLB99, BLW<sup>+</sup>03, CJK92, Eps88, HM83]. **Rays**  
 [Bet29c, Bet35d, BFK49, BKB92, CB34, Bet30b]. **RBMK** [Bla87].  
**reactance** [BW87]. **Reaction** [BO46, HB40, McC20]. **Reactions**  
 [Bet40d, Bet56b, Bet56c, GT38, Hoy54, Ran48, Sal52]. **Reactor**  
 [Bet56d, Bet75e, Bet80d, Bet81b, WPBW76, LBC<sup>+</sup>75]. **Reactors**  
 [Bet57, SBR<sup>+</sup>86]. **Reagan** [ABB<sup>+</sup>80, BG82a, GKB<sup>+</sup>84]. **Realistic**  
 [BJ74a, MJB75]. **Reality** [Hal17]. **Realization** [LC71, Liu72]. **Really**  
 [BT82]. **rearrangement** [BN68b]. **reasonable** [Hol03]. **reasoning** [Mol89].  
**Rebuttal** [Sel77]. **Receive** [Bet63b]. **receives** [Ano85b]. **reciprocity**  
 [Bet52b]. **Recoil** [SB59]. **Recollections** [ABP98, Bet80f, Pei85, APB96].  
**Recommendations** [BBF<sup>+</sup>82]. **Reconstruction** [SB61]. **Record**  
 [Ano06, Mat98]. **recording** [Bet81e, KW69]. **recordings** [Ber96b]. **recounts**  
 [Ber96a]. **Rectification** [Bet42c, Bet42d]. **rectifiers** [Bet42e]. **Red**  
 [AK10, McC20]. **Reducing** [MB85, MB86]. **Reduction** [Kea68]. **Reference**  
 [BBP63]. **referendum** [BL83]. **Reflection** [CF12]. **Refugee** [Seg85]. **Regge**  
 [BK62, ROB63]. **Regions** [WLB36]. **related** [Bet8xb, Jur89]. **Relation**  
 [Bet50a, BP90, Gar02]. **relationship** [CFR82]. **Relatively** [Bet99d].  
**Relativistic** [ATP82, BBF53, Bet32, Bis67, BJBP93, FBB14, Gam49, SB51,  
 Bet14, Blu88, Saz87]. **relativistischer** [Bet32]. **reliability** [McK86]. **Relic**  
 [BLLB00a, BLLB00b]. **Remark** [BBR31]. **Remarks**  
 [CSB<sup>+</sup>31, Dys66, Nak63b, Bet48]. **remembered** [DK91]. **Remembering**  
 [Bet00b]. **Remind** [Duf46]. **Reminiscences** [Bet88a, NS15]. **Reorientation**  
 [Ham73]. **Rep** [Bet98a]. **Repercussions** [ABB<sup>+</sup>46]. **Reply**  
 [Bet84a, Bet87a, Bet91a, BGM91b, BGS95a, Sch34]. **Report**  
 [ABB<sup>+</sup>46, Bet75e, Bet95d, Duf46, LBC<sup>+</sup>75, KHFA67, MW46, MW07].  
**Reports** [KRW05, CCJ<sup>+</sup>34]. **Representatives** [BBG<sup>+</sup>85a]. **reprints**  
 [Eks94]. **repulsive** [BG57, Ong86]. **Res** [Bet98a]. **Research** [Bet98a, RS82].  
**researcher** [Sch15]. **Resistance** [Bet31a]. **resolution** [BK93]. **Resonance**  
 [BP37]. **respect** [CWL<sup>+</sup>04]. **Response** [Bet77d]. **Responsibilities**  
 [BSP<sup>+</sup>83]. **Responsibility**  
 [Aft02, Fra01, Lan00, Olw01, Sar01, Sei01, Sch00b]. **Restraint** [Smi75].  
**Retirement** [GSS<sup>+</sup>03, AP77]. **retrospect** [Stu79]. **Rev** [RB37a]. **Revealed**  
 [Bet90c, Usd09]. **Reverse** [DeN76]. **Review**  
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Sch68, Sch67b, Sei01, SBR<sup>+</sup>86, Wal15a, Wal15b, vB92, Aft02, AM23, Tho99].  
**Reviews** [Dow83, Edg91, Hen94, Nav14]. **Revisited**  
 [BSS05, GBG<sup>+</sup>86, Ino71, IIT78]. **Revival** [BW85, Bet90c]. **Revolutionized**  
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**Richardson** [FCC09]. **right** [Ano50]. **Ring** [Usd09]. **Risk**  
 [MB85, MB86, SB55b]. **risque** [SB55b]. **Road** [Inc92, vB92, Bet91j]. **Robert**  
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 [CB60, Ken54, CF12, FT70, Mai04]. **Roma** [CC73]. **Rome** [BB02, Bet04].  
**Roosevelt** [Ano50, Ano50, Dem15, RMR<sup>+</sup>50]. **root** [HSY04, Roj08]. **roots**  
 [dGBNM02]. **Rosenberg** [Usd09]. **Rosenfeld** [Wal15a, Wal15b]. **Rosetta**  
 [Sch78]. **rotated** [Zum75]. **Rotblat** [Ano92a]. **rough** [DeS73, Fur85].  
**Rounded** [MYZ67]. **Rounding** [DF79]. **Row** [Pei57]. **Royal** [Hen94]. **Rudi**  
 [Bet88a]. **Rudolf** [Lee09, Tho99, Wal15a, Wal15b, AP77, BGM91b].  
**Rudolph** [AP77]. **Ruijsenaars** [HSY04]. **Rule** [CTSOS99]. **Running**  
 [DHB<sup>+</sup>06]. **Russian**  
 [BZ38, Bet55a, Bet60b, Bet68c, Bet70a, BDH70, Bet76f, Mar70].

**S** [Bet98a, Dys56, Fra01, Hod13, Hub14, Jeh56, Kra13, Lan00, Nav14, Sar01,  
 Sei01, Wal15a, Wal15b]. **S**. [Dys56, Fra01, Sar01]. **Saale** [HH14]. **sadly**  
 [Mad83]. **Safe** [Bet77d, Gul75, YB85]. **Safer** [BT82]. **Safety**  
 [Bet56d, Bet75d, Bla87, LBC<sup>+</sup>75, WPBW76, Bet75e]. **Sakharov**  
 [Bet90d, Bet91h, DK91]. **Salpeter**  
 [BB71, HD72, Sch78, Aui02, BB69, BB70, Bas71, Bis67, Bre75, BT69, CFR82,  
 FV86, Fle73, FT75, Flo76, Fur85, Gün64, HHD73, HD70, Kea66, Kea68, Kea69,  
 Kea70, Kea71, Kyr72, Ler71, MP91, Mai03, Mai04, Nak63a, Nak63b, Nak66,  
 Nak71, NR66, Ros66, Sae67, Sat63, Saz87, SL64, Tom83, Vos60, WA94, Zum75].  
**Salts** [Bet30c, Van32]. **Salzen** [Bet30c]. **Save** [BG83b]. **says** [Bro82]. **scalar**  
 [Nak71]. **Scale** [Ler71, Usd09]. **Scare** [McC20]. **Scattering**  
 [BB51, BP35b, BRS38, Bet46a, BO46, Bet49a, BW51, BR52, Bet53a, Bet53b,  
 BdH54a, BdH54b, Bet58b, Bet64c, Bet66b, BM71, BM72, Bet72b, Bet73c,  
 Bet73a, Bet77f, BP97c, BBD<sup>+</sup>96, BB54, CB48a, DeS73, DRS<sup>+</sup>54, FT75, GB51,  
 JB78, NR66, RYBB73, ROB63, RB39, SB61, SSB<sup>+</sup>97a, SL64, Bet52b, Bet27,  
 Bet28b, Bet55b, BJ76, BBD<sup>+</sup>95, DSB56, Fur85, Gur01, ML83, Wie81, Bet32].  
**Scenario** [BG82a, Bet94d, BB94a, BB94b, MWBB02]. **Schachenmeier**  
 [Bet34c]. **scheme** [ZLGM03]. **Schneider** [HSY04]. **schneider** [Bet30b].  
**Schrieffer** [Skr09]. **Schrieffer-type** [Skr09]. **Schrödinger** [PcPZ90, Wie81].  
**Schweber** [Dys56, Fra01, Hod13, Hub14, Jeh56, Kra13, Nav14, Pei57, Sar01,  
 Wal15a, Wal15b, Lan00, Sei01]. **Sci** [Bet98a]. **Science** [Ber01, Bet69c, BB86,  
 Bet95d, Bet99b, Bet01b, GBG<sup>+</sup>86, Hab69, Hil15, Kil77, McD62, RB02,  
 Web73, Bet91j, Bra05, Fin06, LW71, Wei95, Orb05, Wal15a, Wal15b].  
**Sciences** [Kra17, WH72, FT70]. **Scientific** [Eds68, Har01, RS08, Tho99,  
 Wal15a, Wal15b, DP97, Haw11, Lee09, Bof76, McC20]. **Scientist**  
 [ABB<sup>+</sup>77, Ore04, Sch96, Sch05a, BFG<sup>+</sup>85, Bet94g, Sch15, Sch00b, Fra01,



Lan00, Sar01, Sei01, Aft02, Olw01]. **Scientists**  
 [ACU<sup>+</sup>54, Ano06, Ber01, BS47, BAA<sup>+</sup>75, BWH80, BSP<sup>+</sup>83, BGG<sup>+</sup>85a, BLM19, Duf46, EBU<sup>+</sup>52, GB89, Gou47, GR63, Rog10, Seg85, SBR<sup>+</sup>86, STS<sup>+</sup>49, Tel87, Bri95a, Har10, Jun58, Jun82, Kil77, GR63, AM86]. **Sco**  
 [BLLB00a, BLLB00b]. **Scope** [Sch15]. **Screening** [Bet34a]. **SE** [SBR<sup>+</sup>86].  
**Sea** [KS87]. **Search** [Bet01a, Cho01]. **Seasons** [Eds68]. **Second**  
 [BM71, BM72, SG73, HM83, Stu18]. **Second-Order** [SG73]. **Seconds**  
 [Ano05a]. **secret** [Ber96b, Fin06, WG17]. **secrète** [SB55b]. **Secrets**  
 [BGS95b]. **Section**  
 [BM54, DB52, DBM54, HB51a, HB40, MB52, Bet43b, BW87]. **Sections**  
 [BBC56a, BBC56b, BBC57a, BBC57b, HB51b, ML83]. **sector** [Nak71].  
**Secure** [SBR<sup>+</sup>86, MB85]. **Security** [BG83a, Ken54]. **seinem** [KRW05].  
**Seiten** [Sch78, Sch67b, Sch67a]. **Select** [ABB<sup>+</sup>80, SBR<sup>+</sup>86]. **Selected**  
 [Bet47b, Bet97e, DP97, Sch58, Sch03, Yan13, BBL03, Lee09, Réd05, Got98, Tho99]. **Selection** [ABP98, Bet95b, CTSOS99, APB96]. **Selections** [AM86].  
**Selective** [GT38, WLB36]. **Self** [JB78]. **Self-Consistency** [JB78]. **seltener**  
 [Bet30c]. **Semi** [BN68a, NB68]. **Semi-analytical** [BN68a]. **Semi-infinite**  
 [NB68]. **Seminal** [Bet95b, For87, BBL86]. **seminar** [Bet00c]. **Senator**  
 [Ano50, Moy97]. **SENSE** [BWH80]. **Sensitivity** [BB47, WW88]. **separates**  
 [MP91]. **Separation** [Gün64, Sco94]. **September** [Bec67, CC73, KS87].  
**septième** [CCJ<sup>+</sup>34]. **Serial** [Bet98a]. **Series** [BCC<sup>+</sup>46]. **Service** [Sch68].  
**Set** [CTSOS99]. **Sets** [CCG<sup>+</sup>11]. **Seventeenth** [Sch68]. **Seventh** [CCJ<sup>+</sup>34].  
**seventieth** [BCSF82]. **Shadow**  
 [Aft02, Bet66b, Fra01, Lan00, Olw01, Sar01, Sei01, Sch00b]. **Shadows**  
 [Bet93a]. **Shape** [SB67a]. **Shaping** [Dre06]. **Share** [BGS95b]. **shatterer**  
 [Goo80, Goo81]. **Shell** [BB52, AFF01]. **Shelter**  
 [JKWW85, JKWW15, BWL85, JKWW85, JKWW15]. **Shielding** [BW39].  
**Shift**  
 [BBF53, Bet47a, BBS50, BdH54a, BdH54b, dHMAB54, Bet55b, BJMK92].  
**Shifted** [MWBB02]. **Shifts** [Bet53b]. **Shine** [Bar08]. **Shock**  
 [BT41, BFvN<sup>+</sup>44, BT45, BT51a, BT53, BAB80, BW85, Bet90c, Bet93g, Bet95e, Bet96a, Bet96b, Bet96c, Bet97d, CBB84, PPvNF44, SSB75, BT51b, Bet98a].  
**Shocks** [Bet82g]. **shook** [Haw11]. **Short** [Bet47b]. **Shoulders** [Bet95b]. **Si**  
 [BH39]. **side** [Bet43d]. **Sign** [Bet53b]. **Silicon** [Bet42c, Bet42d]. **Silvan**  
 [Hod13, Hub14, Pei57, Wal15a, Wal15b, Jeh56, Kra13, Nav14]. **sily** [Bet55a].  
**Simple** [Bet99d, MJBA75, NB68]. **Simplified** [BBCW83]. **Singapore**  
 [RS08]. **single** [BB76]. **Singular** [SL64, DSB56]. **Sir**  
 [AP77, Bet98b, Hen94, Tho99, Lee09]. **Situation** [Bet75d]. **Six**  
 [Bet69b, Bet77e, KZJ02]. **six-vertex** [KZJ02]. **Sixteenth** [Sch68, Sch68].  
**Sixteenth-Century** [Sch68]. **Sixty** [FR13, Sal06]. **Skaar** [Wal15a, Wal15b].  
**skew** [Skr07, Skr09]. **Slow** [Bet50a, WLB36]. **Slowing**  
 [BTH50a, BTH50b, BTH50c]. **Small** [Bet44, BR52, SBSW60, Bet43c].  
**Smirnov** [BB91a]. **Smith** [BKHS89]. **Smyth** [Edg91]. **SN** [BP90].  
**SN1987A** [RV88]. **sneered** [Cor12]. **Social** [Wal15a, Wal15b]. **Societal**

[Sal05]. **Society** [Bet55c, Bet75e, Bet99a, Hen94, Pan05, LBC<sup>+</sup>75]. **Sodium** [vdLB47]. **Soft** [BLB01, Blu88]. **Solar** [BB90, BB93, BS05, BS06, Bet86a, Bet89a, BB91a, Bet92, Bet94c, Ran48, Kra16, Mad86, Men27]. **Solar-Energy** [Ran48]. **Solar-Neutrino** [BB90, Bet86a, Bet94c, Bet89a]. **Solid** [BK39, Bet80f, BM04, MA06, BM05]. **Solid-State** [Bet80f, BM04, MA06]. **Solids** [vdLB47]. **soliton** [WA94]. **Solution** [BB90, Bet85d, Kea69, Sat63, LFK99, Ong86, Ong88, Per84b]. **Solutions** [BB71, BK39, Nak63a, Vos60, BB70, CWL<sup>+</sup>04, MIT06, Nak71, Zum75]. **Solvable** [ZLGM03, Eva84]. **Solvay** [CCJ<sup>+</sup>34, CCJ<sup>+</sup>34]. **Solving** [Mai03, Mai04]. **Some** [Cle48, HLB37, NS15]. **Sommerfeld** [Sch67b, Sch67a, Ano38, Bet00c, PS69]. **Sooner** [STS<sup>+</sup>49]. **Sound** [KW69, Bet81e]. **source** [Bet49b, Kra16, Men27]. **Sources** [KHFA67, MB41, Bet68c]. **sous** [CCJ<sup>+</sup>34]. **Soviet** [Bet94a, Bet60c, SBR<sup>+</sup>86, STS<sup>+</sup>49, WG17]. **Soviets** [Bet61, Bet82j, Bet83c, Cor12]. **Space** [Bet84a, BGGK84, BG85, BGGK12, Sae67, BG83b, GSB<sup>+</sup>83]. **Space-Based** [BGGK84, BGGK12]. **Speak** [BAA<sup>+</sup>75]. **Special** [Ano95, Bet99a, Got05, Kil77]. **specialist** [Sch15]. **species** [Ano85a]. **Specific** [Bet42a]. **Spectra** [MJBA75, Roj08, Roj09, RM09, Roj07]. **Spectral** [BFK49, ML83]. **spectroscopy** [CF12]. **Spectrum** [BS37, BBC56a, BBC56b, BBC57a, BBC57b, BBP63, RS05]. **speculations** [Kra16]. **speech** [Bet93e]. **Speed** [FBB14, Bet14]. **spherical** [Flo76]. **Spin** [Gün64, LC71, AS70, LFK99, Liu72, PcPZ90, RS05, dGBNM02]. **Spin-**[Gün64, AS70, PcPZ90]. **Spin-Wave** [LC71]. **spinor** [Bre75, Flo76, Nak71]. **spinor-spinor** [Bre75]. **Spins** [RB37a, RB37b]. **Splitting** [Bet49d, Bet50f, Bet29b, Ewa58]. **sponsored** [HPA97]. **Springer** [Sch67b, Sch67a]. **Springer-Verlag** [Sch67b, Sch67a]. **Sputnik** [Kil77]. **Square** [Kea69]. **Square-Well** [Kea69]. **Sr** [BB76]. **Stability** [Bet64a, Dys66]. **Stalin** [Bet94a]. **Stalled** [BW85]. **standard** [Ong88]. **Stands** [Bet95b]. **Stanford** [Edg91]. **Stanley** [For87]. **Star** [BBP71, BB95, BLZB01, GKB<sup>+</sup>84, MJB75, BGG<sup>+</sup>85a, BGG<sup>+</sup>85b, Cor12, YB85]. **Stardust** [WGO<sup>+</sup>91]. **Stars** [Anoxx, Bar08, Bet39c, Bet39a, Bet42b, Bet68e, Bet70d, Bet71b, Bet76c, BBAL79, Bet80e, Bet83a, BBC87a, BBFH57, Edd20, Hoy54, Jea24, MB40, Sal52, Bar88, Bet68g, Bet68d, Bet68a, Bet70a, Bet88b, BG91a, BL88, Eps88, Lee11, MR85, NaH88]. **State** [Bet29d, BS68, Bet74, BBAL79, BBAL80, Bet80f, BBCW83, BM04, Bis67, BB54, GSS<sup>+</sup>03, KS87, MJB75, MA06, SB51, BJ76, Bet98a, BM05, Blu88, Bro88a, Mai03, Mai04, MB82, Ray97, ABB<sup>+</sup>46]. **statement** [Ano85a]. **States** [BB36, DL83, WA94, Hol84]. **stationary** [Bet30a, BB36]. **Statistical** [Bet35f, Bet37b, Fur85]. **statistics** [Lai74]. **Status** [CC73, RYBB73]. **Steering** [Bet75e]. **Stellar** [BS05, BM39, Huf81, Huf06, MB41, Bet68c, Myr88, vW38a, vW38b]. **Stellar-Energy** [Huf81]. **Steller** [BS06]. **step** [MB85]. **Stern** [Dow83]. **Sterne** [vW38b, vW38a]. **Sternen** [Bet68a]. **Steve** [Ano12b]. **Stilled**

[BBH<sup>+</sup>73]. **Stimulated** [SSB<sup>+</sup>97a]. **STOC** [ACM09]. **Stony** [GSS<sup>+</sup>03, KS87]. **Stopping** [Bet34a, BH34, BBW50, Por98, Por04a, WB51, Por97, Por99, Por04b]. **Stopping-Power** [Por98]. **Strange** [BBC87a]. **Strategic** [Bet64a, Bet8xb]. **Strategy** [Bet62b, Bet77c, Bet80c, FvHW79]. **Strengths** [CTSOS99]. **Streuung** [Bet27, Bet28b]. **string** [MIT06]. **Stroke** [Bet95b]. **Strong** [Bet72a]. **Strongly** [SSB<sup>+</sup>97c]. **Structure** [Ano37, BL49, CCJ<sup>+</sup>34, Huf06, LR47, Hei34, HM83, CCJ<sup>+</sup>34]. **structures** [Gur01]. **Strutinsky** [Bet71c]. **Studies** [ATP82, Por04b, ML83]. **Study** [Bet75e, Bet87a, RS82, Ray97, RS05, WPBW76, CBR87]. **Stuff** [BR93, Haw11]. **submerged** [Gur01]. **Subramanyan** [Bet05b]. **substances** [RCE30]. **Successful** [Ken54]. **suggest** [Mad83]. **Suggested** [ABB<sup>+</sup>80]. **Sum** [CTSOS99]. **Sums** [MYZ67]. **Sun** [Bet66a, Bet95a, BLMB41, HHW99, Bet94f]. **suns** [Jun58, Jun82, Bet58a]. **Super** [Bet93j, SSB<sup>+</sup>97b]. **Superbomb** [Edg91, GB89, Bro82, Yor89]. **superbombe** [SB55b]. **superconductivity** [BF33, Bet34c, Sch32, Sch34]. **superiority** [Bet81a]. **Superlative** [Sch05a]. **Superlattices** [Bet35f].

**Supernova**  
[BAB80, Bet81d, BYB82, Bet82g, Bet82h, BW85, Bet85b, Bet86b, BBC87b, Bet87b, Bet90c, Bet90a, Bet91a, Bet93g, Bet93h, Bet94e, Bet95e, Bet96a, Bet96b, Bet96c, Bet96d, Bet97d, BBB82, DSB91, BB85, BB91b, BB12].

**Supernovae** [Bet87c, Bet88c, Bet90e, Bet94b, CBB84, BBB<sup>+</sup>87, BL88, Coo88, WM88, RS82]. **support** [Ano85a]. **Supposed** [BH39]. **Supraleitung** [BF33, Bet34c, Sch34, Sch32]. **sure** [Cor12, Hei34]. **surface** [DeS73].

**surfaces** [ML83]. **Surveillance** [BLM19]. **survey** [RS82]. **symmetric** [Skr07, Skr09, dGBNM02]. **Symmetries** [Bis67]. **Symmetry** [BN68b, AS70, LFK99, GSS<sup>+</sup>03]. **Symposium** [ACM09, Bet55c, CC73, GSS<sup>+</sup>03, HPA97, HH14, KS87, AP77, DS88, KMN<sup>+</sup>96, Stu79, Ano37, Sch00a]. **Synchrotron** [CB48b]. **Syndrome** [DeN76]. **Synthesis** [BBFH57, Hoy54, Hoy46]. **System** [Kea68, Kra17, Wil73, AS70, CWB<sup>+</sup>69, HSY04, MIT06, MP91]. **Systems** [Bro71, GB68, PB73, Kea71, Skr07, Skr09]. **Szilard** [Bet93a, Bet93a, SBSW60].

**Tabelle** [HH14]. **Take** [Huf81]. **Talk** [Bre53, Bri95a]. **Tamm** [DRS<sup>+</sup>54]. **target** [Por03]. **Targets** [SB61]. **taste** [Mad83]. **Taxes** [vHWD76]. **Teacher** [Jac09]. **Teachers** [Bet93e, Ros93]. **teaching** [Bet93e, NS15]. **Team** [Ano93, CP93]. **Team-B** [CP93]. **Technical** [BMG87, Bro82].

**Technological** [Bet85d, Bet8xb, Bet85c, Bet86c]. **Technologies** [BBG85b, BG85]. **Technology** [Bet82i, Bet84b, LW71, Kil77]. **telecast** [Ano50]. **Teller** [Bet01b, Edg91, Bet01b, Bro82, Har10, RB02, Yor89].

**Temperature** [BLMB41, Aui02, BBR31, CSB<sup>+</sup>31]. **Temperature-Density** [BLMB41]. **tenable** [Dud76]. **Tennessee** [Bec67]. **Tensor** [SB61]. **tenu** [CCJ<sup>+</sup>34]. **teorija** [BZ38]. **Term** [Bet29b]. **Termaufspaltung** [Bet29b].

**terms** [Bet49d, Bet50f, Ewa58]. **Terrible** [Duf46]. **Test** [BB52, Bet60c, Ken54, McK86]. **Testimony** [Bet76g]. **Tests** [Bet56d, Bet60a, Bet61, BBG<sup>+</sup>85a, BMG87, MWBB02, BT61]. **Their** [EBU<sup>+</sup>52, HHW99, AM23, CFR82, FT70]. **Theorem** [Bet71c, Bet52b]. **Theoretical** [Bet37a, Bet50e, Tho99, AP77, Dir69, Dir70, Hei34, dSFvLH66]. **Theorie** [Bec29, BBT24, Bet30b, Bet30c, Bet31b, BF33, Bet34c, Sch32, Sch34, vW35, NBP<sup>+</sup>34, Bet28a, Bet33d, Bet48]. **Theories** [Bro71, Gam66, Kai05b]. **théoriques** [Hei34]. **Theory** [ACM09, Bal62, BB51, Bet33c, BP35a, Bet35f, Bet35b, Bet37b, Bet39b, Bet40a, Bet40b, Bet40c, BN40, Bet42e, Bet42d, Bet42c, Bet43d, Bet44, BO46, Bet47b, Bet48, Bet49a, Bet51, Bet53a, BM54, Bet56c, Bet63c, Bet64d, Bet67f, BN68a, Bet68b, Bet71d, Bet73c, Bet73a, Bet80f, Bet82h, Bet85b, Bet86b, BBC87b, Bet87b, Bet87c, Bet88c, Bet94e, Bet94f, Bet96d, BBB82, BLW<sup>+</sup>00a, Bro05b, Bro06a, CJK92, DBM54, Fer32, Ino71, JKWW85, JKWW15, KB38, Ler71, LC71, Neg05, Neg06, Pei57, ROB63, Tel66, Van32, BBR31, Bec29, BZ38, BBT24, Bet30b, Bet31b, BF33, Bet34c, Bet43b, BS43, BdH54c, BM56, BG57, BA59, Bet67c, BB91a, Bet98a, Bet99e, BM06, BLW<sup>+</sup>03, CSB<sup>+</sup>31, DSB56, Fur85, HBE87, Hou30, IIT78, NBP<sup>+</sup>34, Por03, Sch32, Sch34, Sch67b, Sch67a, SB33, SB34, SB53, SB67e, vW35]. **Theory** [Bet28a, Bet30c, Bet33d, KMB57, Kut05b, Kut05a, For57, Pri56]. **There** [Bet67e, Bet85d]. **Thermal** [BT41, BT45, BT51a, BT53, BT51b, Per84b]. **thermodynamic** [AAHS99, BK93]. **Thermonuclear** [Bet52a, GT38, Ula66]. **Thick** [BFK49]. **thinking** [Sel77]. **Thinks** [Bet61]. **Thirties** [Bet79c, Sch05b, Sch06]. **Thomas** [Bet68b, MB40, NB68]. **Thousand** [Bet58a, WM15, Jun58, Jun82]. **Threat** [BGM91a, BGM91b, Duf46, Pei91a, Pei91b, SB55a]. **Threatening** [Iri06]. **Three** [Ada06, Bet65b, Bet67a, BR67, BSK67, Bet99d, RB67b, MB82, Tom83]. **Three-Body** [Bet65b, Bet67a, RB67b, BR67, Tom83]. **Tight** [RM06]. **tightly** [Kea71]. **Time** [Ano00b, Hal17, Rog10, HB69]. **times** [Bet79a]. **TiO** [BB76]. **titan** [Bra05]. **Tm** [BS37]. **Today** [RMR<sup>+</sup>50]. **Together** [Bet53c, Bet84c]. **Too** [Ger75]. **Topics** [Bet47b]. **Toroidal** [FSB71]. **Towering** [Iri06]. **Track** [ATP82]. **Trade** [Ber79a, Ber79b, Ber79c]. **Trans** [Bet54b]. **Transcript** [Hod81]. **Transcripts** [Bet93b]. **Transfer** [SB61]. **Transformation** [BK39, Wie81]. **transformations** [vW38a, vW38b]. **transforms** [CFR82]. **Transients** [BLB01]. **Transition** [BBP91, BJBP93, Run67, Cab78]. **Transitions** [LB50, BB76]. **translated** [Eks94]. **Transmutation** [Bet35a]. **transport** [Myr88]. **Transverse** [BV75]. **treasury** [FF91]. **treaties** [BG83b]. **Treating** [Bet38d]. **treatment** [Bet30a, Kea71]. **Treaty** [Bet99f]. **tree** [RR07, Roj07, Roj09]. **trees** [RJ10, RM06, RR07, Roj08, RM09, RJ11]. **trends** [Por04b]. **Tribute** [Orb05, DK91]. **tributes** [BSK67]. **Trieste** [BDH70, BBM<sup>+</sup>76]. **trillion** [CP93]. **Truth** [Bet91i]. **Twentieth** [Bet01b, Wal15a, Wal15b, Har10]. **Twentieth-Century** [Bet01b]. **twenty** [LW71, MB85]. **twenty-first**

[MB85]. **twenty-five** [LW71]. **Two** [Bet33b, Bet73b, Gün64, MB47, MJBA75, Sch78, Tho99, BF32, BS57a, BS57b, BS77, BS08, Mai03, Mai04, Saz87]. **Two-Body** [Bet73b, MJBA75, Mai03, Mai04]. **Two-Electron** [Bet33b, Sch78, BS57a, BS57b, BS77, BS08]. **Two-Meson** [MB47]. **two-particle** [Saz87]. **Type** [JLBF66, PR97, SB86, BL88, Skr09, BBB<sup>+</sup>87, BYB82].

**U** [Bet98a, Hod13]. **U.S** [BBG<sup>+</sup>85a, Sch68]. **U.S.** [Bet86d, SBR<sup>+</sup>86]. **Ultimate** [Bet76h, Dud75]. **Underground** [All59]. **Unequal** [Bre75]. **Unified** [KS87]. **Union** [Bet94a]. **United** [Hol84]. **Universe** [SSB<sup>+</sup>99b, Dys79, Bet79a]. **University** [Ano37, DS88, Edg91, Fra01, GSS<sup>+</sup>03, HPA97, Hen94, Hub14, KS87, Nav14, Wal15a, Wal15b]. **Unlikely** [Ber10]. **unratified** [BG83b]. **Unravelling** [FR13]. **Unreal** [Sel77]. **unreasonable** [Hol03]. **upper** [RR07]. **Uranium** [ATP82, Bet82i, Bet00a, Bet05a, Fes77, Ber96b]. **Uranprojekt** [Bet05a]. **urgent** [Bet83b]. **US\$8.95** [Sch78]. **USA** [ACM09, Ano37]. **USC** [BBF<sup>+</sup>82]. **Use** [ABB<sup>+</sup>50, HM83]. **Usefulness** [SB61]. **Using** [CCG<sup>+</sup>11, PR97].

**v** [Bet70a, BDH70]. **V.** [dSFvLH66]. **Validity** [Fun81]. **Value** [BL49, BBS50, BL82]. **values** [Por04b]. **Vannevar** [Ano85b]. **Vanunu** [AAB<sup>+</sup>88]. **Variables** [Gün64, Sco94]. **Variational** [PB73]. **Variations** [Van32]. **ve** [Bet71b]. **Vechernie** [BDH70]. **Vector** [Nak71]. **Vector-scalar** [Nak71]. **vectors** [KM01]. **Velocity** [Bet32]. **Vergleich** [Bet29d]. **verification** [Bet8xa]. **Verlag** [Sch67b, Sch67a]. **verschiedenen** [Bet29d]. **Versuche** [BBT24]. **Versus** [Duf46]. **Vertex** [Nak66, AFF01, KZJ02]. **Very** [BBAL80, Hoy54]. **VI** [Bet96c]. **Victor** [Bet89b, Bet91b]. **View** [Sul75, Bet79a, Bet94g]. **viewpoints** [Bet91j]. **Views** [Bet69b, Bet77e, Bet84b, EBU<sup>+</sup>52, HBD71]. **viii** [Nav14, Tho99, Wal15a, Wal15b, Bet97d]. **Viki** [Bet93d]. **Visa** [EBU<sup>+</sup>52]. **Voice** [BBH<sup>+</sup>73]. **Vol** [Bet54b, Dys56, Pei57, Pei57]. **Volterra** [FV86]. **Volume** [CJK92, Dys55, Jeh56, FK85, MKR87]. **vom** [HH14]. **Vorstudien** [Sch32]. **vs** [Bet69b].

**W** [BKJ84, Mer68]. **Walk** [Web73]. **wall** [KZJ02]. **Want** [Bet61]. **War** [AK10, BG82b, GG05, MB85, MB86, Pol19]. **Wars** [BGG<sup>+</sup>85a, BGG<sup>+</sup>85b, Cor12, GKB<sup>+</sup>84, Stu18, YB85]. **Warsaw** [Ano82]. **Wartime** [STS<sup>+</sup>49]. **Was** [Bet67e, Bet90c, Mad83]. **Washington** [Bet55c, HPA97, KMP98]. **Wasserstoff** [Bet48]. **Wasserstoff-Eigenfunktionen** [Bet48]. **Wasserstoffbombe** [SB55a]. **Wasserstoffs** [Bet29a]. **waste** [Bet84d]. **Water** [Bet46b, Bet75e, Bet20, LBC<sup>+</sup>75]. **Wave** [BFH<sup>+</sup>47, LC71, Bet43b, Bet43d, Fle73, Ong86, Ong88, PcpZ90, Sch32]. **Wave-mechanical** [Sch32]. **Wavefunction** [Sat63, Gau83, Gau14, Tom83, Sch15]. **Waves** [BT41, BFvN<sup>+</sup>44, BT45,

BT51a, BT53, BBD<sup>+</sup>96, BB54, SSBB75, BT51b, Bet98a, Liu72, PPvNF44].  
**Way** [Duf46]. **Ways** [BG82b]. **Weaponry** [Bet84a]. **Weapons**  
 [BG85, GSB<sup>+</sup>83, BG83b, Bet91j]. **Wechselwirkung** [BF32, BF33]. **weekly**  
 [Ano50]. **Weeks** [Ada06]. **weighted** [Roj08]. **Weiss** [Cab78]. **Weisskopf**  
 [Bet89b, Bet91b, Bet93d, dSFvLH66]. **Weizsäcker**  
 [HH14, Wie14, Sch14a, WG68, Wie14]. **Weizsäcker-Zyklus** [Wie14].  
**Welfare** [Sch68]. **Well** [Kea69]. **Wellenmechanische** [Sch32]. **were**  
 [Ano50]. **weren't** [Cor12]. **Werner** [HBD71, KRW05]. **Wheeler** [Hal17].  
**Where** [Bet67e, Mad83]. **White** [BLZB01]. **White-Dwarf** [BLZB01].  
**Whittlesey** [Duf46]. **Who** [Duf46, Dem15, Dem15]. **whole** [SB67b]. **Whose**  
 [Bet95b]. **Wick** [MP91, Zum75]. **Wick-rotated** [Zum75]. **Wie** [Bet01d].  
**Wiesner** [SBSW60]. **Wiley** [Gol68]. **Will** [BT82]. **William**  
 [Bet97c, BCSF82, Bet93a]. **winding** [CWL<sup>+</sup>04]. **windows** [Bet43a, Bet43d].  
**Windsurfing** [KS87]. **Winners** [Bet63d]. **Wissenschaft** [Wei95]. **within**  
 [FSB71]. **without** [Sal52]. **Wolfenstein** [BB91a]. **Wolfgang**  
 [Bet00b, Bet00b, Uns00]. **women** [HHW99]. **Won't** [BGG<sup>+</sup>85b]. **Work**  
 [BGG<sup>+</sup>85b, KMN<sup>+</sup>96, Tel55, Bro82, Hou30]. **Worked** [Bet93a]. **Works**  
 [Got98, Bet97e, Tho99]. **World**  
 [Duf46, GR63, RS08, Stu18, Tho99, Wal15a, Wal15b, WM15, Bet81e, BM66,  
 FF91, Haw11, Hol03, LW71, MW46, MW47, MW07, SB55b, She75, SBSW60].  
**worlds** [Goo80, Goo81]. **Would** [Bro97]. **Writing** [Sch96, Sch14b]. **Writings**  
 [ABP98, APB96]. **wrong** [Tur08].

**x** [Duf46, BFK49, BN68a, BLB99, BHL<sup>+</sup>01, BLB01, CJK92, HM83]. **X-Ray**  
 [BHL<sup>+</sup>01, BLB01, BN68a, BLB99, CJK92, HM83]. **X-Rays** [BFK49]. **xi**  
 [Hen94, Wal15a, Wal15b]. **xii** [Gol68, Sch68, Wal15a, Wal15b]. **xiii** [Pei57].  
**xiv** [Edg91, Wal15a, Wal15b]. **xlix** [Hen94]. **xvi** [Edg91, Pei57]. **xviii** [Fra01].  
**xxiii** [Tho99]. **XXZ** [dGBNM02].

**Yalta** [Bet71e]. **Yang** [GSS<sup>+</sup>03, Fun81]. **Year** [BG82b, FR13, BBM78].  
**Years** [Bet95b, Mla98, Sal06, Geh78, Hoi01, LW71]. **Yield** [LB52]. **York**  
 [Bet54b, Bet89b, Bet90b, Duf46, Edg91, Gol68, GSS<sup>+</sup>03, KS87, Sch78,  
 Sch67b, Sch67a]. **York-London** [Bet54b]. **Yorker** [Ber06].

**Zamolodchikov** [Gar02, Ray97, RS05]. **Zeeman** [Bet30c]. **Zeemaneffek-  
 tes** [Bet30c]. **Zeitfaktor** [HB69]. **Zeitschrift** [FBB14]. **Zemle** [Bet70a].  
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- [BDH<sup>+</sup>89] Hans A. (Hans Albrecht) Bethe, P. A. M. Dirac, W. Heisenberg, E. P. Wigner, O. Klein, L. D. Landau, and E. M. Lifshitz, editors. *From a life of physics*. World Scientific Publishing Co. Pte. Ltd., P. O. Box 128, Farrer Road, Singapore 9128, 1989. ISBN 9971-5-0937-7. ix + 92 pp. LCCN QC71 .F74 1989. URL <http://adsabs.harvard.edu/abs/1989liph.book.....B>.

**Bingham:1994:CIB**

- [BDSB94] R. Bingham, J. M. Dawson, J. J. Su, and H. A. Bethe. Collective interactions between neutrinos and dense plasmas. *Physics Letters A*, 193(3):279–284, October 3, 1994. CODEN PYLAAG. ISSN 0375-9601 (print), 1873-2429 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0375960194905975>.

**Bethe:1968:CDN**

- [BE68] H. A. Bethe and L. R. B. Elton. Charge distribution in nuclei. *Physical Review Letters*, 20(?):745–747, April 1, 1968. CODEN PRLTAO. ISSN 0031-9007 (print), 1079-7114 (electronic), 1092-0145.

**Becquerel:1929:ETM**

- [Bec29] Jean Becquerel. Einleitung in eine Theorie der magneto-optischen Erscheinungen in Kristallen. (German) [Introduction to the theory of magneto-optical phenomena in crystals]. *Zeitschrift für Physik*, 58(3–4):205–216, March 1929. CODEN ZEPYAA. ISSN 0044-3328. URL <http://www.springerlink.com/content/m58v616271m62886/>. This paper, together with [Bet29b], is the basis for Crystal Field Theory, which John H. Van Vleck later applied to chemistry [Van32].

**Becker:1967:INP**

- [Bec67] Richard L. Becker, editor. *International Nuclear Physics Conference, held at Gatlinburg, Tennessee, September 12–17, 1966*. Academic Press, New York, NY, USA, 1967. LCCN QC771 1967.

**Benford:1938:LAN**

- [Ben38] Frank Benford. The law of anomalous numbers. *Proceedings of the American Philosophical Society held at Philadelphia for promoting useful knowledge*, 78(4):551–572, March 1938. CODEN PAP-CAA. ISSN 0003-049X (print), 2326-9243 (electronic). URL <http://links.jstor.org/sici?sici=0003-049X%2819380331%2978%3A4%3C551%3ATLOAN%3E2.0.CO%3B2-G>. See comments about Benford's biased rounding practices [DF79].

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**Bernstein:1979:PMTb**

- [Ber79b] Jeremy Bernstein. Profiles: Master of the trade — II. *The New Yorker*, 55(?):52–??, December 10, 1979. CODEN ???? ISSN 0028-792X. URL [http://www.newyorker.com/archive/1979/12/10/1979\\_12\\_10\\_052\\_TNY\\_CARDS\\_000328924](http://www.newyorker.com/archive/1979/12/10/1979_12_10_052_TNY_CARDS_000328924).

**Bernstein:1979:PMTc**

- [Ber79c] Jeremy Bernstein. Profiles: Master of the trade — III. *The New Yorker*, 55(?):48–??, December 17, 1979. CODEN ???? ISSN 0028-792X. URL [http://www.newyorker.com/archive/1979/12/17/1979\\_12\\_17\\_048\\_TNY\\_CARDS\\_000333121](http://www.newyorker.com/archive/1979/12/17/1979_12_17_048_TNY_CARDS_000333121).

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- [Ber80] Jeremy Bernstein. *Hans Bethe, prophet of energy*. Basic Books, New York, NY, USA, 1980. ISBN 0-465-02903-5. xii + 212 pp. LCCN QC16.B46 B47. US\$11.95.

**Bernstein:1981:PEH**

- [Ber81] Jeremy Bernstein. *Prophet of energy, Hans Bethe*. Dutton, New York, NY, USA, 1981. ISBN 0-525-47677-6 (paperback). xii + 212 pp. LCCN QC16.B4 B47. US\$7.25.

**Bernard:1996:HBR**

- [Ber96a] Larry Bernard. Hans Bethe recounts the Manhattan Project during campus lecture. Cornell Chronicle Web document., November 7, 1996. URL <http://www.news.cornell.edu/Chronicle/96/11.7.96/Bethe.html>.

**Bernstein:1996:HUC**

- [Ber96b] Jeremy Bernstein. *Hitler's uranium club: the secret recordings at Farm Hall*. American Institute of Physics, Woodbury, NY, USA, 1996. ISBN 1-56396-258-6. xxx + 427 + 4 pp. LCCN QC773.3.G3 B47 1995. US\$34.95. Introduction by David Cassidy.

**Bernstein:2001:MPO**

- [Ber01] Jeremy Bernstein. *The Merely Personal: Observations on Science and Scientists*. Ivan R. Dee, Chicago, IL, USA, 2001. ISBN 1-56663-344-3. 245 pp. LCCN Q171 .B5375 2001.

**Bernstein:2003:DWH**

- [Ber03] Jeremy Bernstein. The drawing, or why history is not mathematics. *Physics in Perspective (PIP)*, 5(3):243–261, 2003. CODEN PHPEF2. ISSN 1422-6944 (print), 1422-6960 (electronic).

**Bernstein:2006:HBN**

- [Ber06] Jeremy Bernstein. Hans Bethe at *The New Yorker*. In Brown and Lee [BL06a], pages 111–114. ISBN 981-256-609-0, 981-256-610-4 (paperback), 981-277-450-5 (e-book). LCCN QC16.B46 H36 2006. URL <http://www.worldscibooks.com/physics/5989.html>; <http://www.worldscientific.com/worldscibooks/10.1142/5989>. ■

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- [Ber10] Jeremy Bernstein. John von Neumann and Klaus Fuchs: an unlikely collaboration. *Physics in Perspective (PIP)*, 12(1):36–50, March 2010. CODEN PHPEF2. ISSN 1422-6944 (print), 1422-6960 (electronic). URL <http://link.springer.com/article/10.1007/s00016-009-0001-1>; <http://www.springerlink.com/content/y54804274h88v546/>.

**Bethe:1927:SEK**

- [Bet27] Hans Bethe. Über die Streuung von Elektronen an Krystallen. (German) [On the scattering of electrons by crystals]. *Naturwissenschaften*, 15(38):786–788, 1927. CODEN NATWAY.

ISSN 0028-1042 (print), 1432-1904 (electronic). URL <http://www.springerlink.com/content/q8160663j6475318/fulltext.pdf>.

**Bethe:1928:TBE**

- [Bet28a] H. Bethe. Theorie der Beugung von Elektronen an Kristallen. (German) [Theory of diffraction of electrons by crystals]. *Annalen der Physik (1900)*, 392(17):55–129, 1928. ISSN 1521-3889.

**Bethe:1928:SEK**

- [Bet28b] Hans Bethe. Die Streuung von Elektronen an Krystallen. (German) [The scattering of electrons by crystals]. *Naturwissenschaften*, 16(19):333–334, 1928. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic). URL <http://www.springerlink.com/content/u614786357707752/fulltext.pdf>.

**Bethe:1929:BEW**

- [Bet29a] Hans A. Bethe. Berechnung der Elektronenaffinität des Wasserstoffs. (German) [Calculation of electronic affinity of hydrogen]. *Zeitschrift für Physik*, 57(??):815–821, 1929. CODEN ZEPYAA. ISSN 0044-3328.

**Bethe:1929:TKG**

- [Bet29b] Hans A. Bethe. Term aufspaltung in Kristallen. (German) [Term splitting in crystals]. *Annalen der Physik (1900)*, 395(2):133–208, 1929. ISSN 1521-3889. This paper, together with [Bec29], is the basis for Crystal Field Theory, which John H. Van Vleck later applied to chemistry [Van32].

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- [Bet29c] Hans A. Bethe. Über den Durchgang von Kathodenstrahlen durch gitterförmige elektrische Felder. (German) [Passage of cathode rays through electric fields formed by grids]. *Zeitschrift für Physik*, 54(??):703–710, 1929. CODEN ZEPYAA. ISSN 0044-3328.

**Bethe:1929:VEI**

- [Bet29d] Hans A. Bethe. Vergleich der Elektronenverteilung im Heliumgrundzustand nach verschiedenen Methoden. (German) [Comparison of the distribution of electrons in the helium ground state as calculated by different methods]. *Zeitschrift für Physik*, 55(??):431–436, 1929. CODEN ZEPYAA. ISSN 0044-3328.

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- [Bet30a] H. Bethe. Über die nichtstationäre Behandlung des Photoeffekts. (German) [On the non-stationary treatment of the photoelectric effect]. *Annalen der Physik (1900)*, 396(4):443–449, 1930. ISSN 1521-3889.

**Bethe:1930:TDS**

- [Bet30b] H. Bethe. Zur Theorie des Durchgangs schneller Korpuskularstrahlen durch Materie. (German) [On the theory of passage of faster corpuscular rays through matter]. *Annalen der Physik (1900)*, 397(3):325–400, 1930. ISSN 1521-3889.

**Bethe:1930:TZS**

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- [Bet31a] Hans A. Bethe. Change of resistance in magnetic fields. *Nature*, 127(3201):336–337, March 7, 1931. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v127/n3201/pdf/127336a0.pdf>.

**Bethe:1931:TME**

- [Bet31b] Hans A. Bethe. Zur Theorie der Metalle. I. Eigenwerte und Eigenfunktionen der lineare Atomkette. (German) [On the theory of metals. I. Eigenvalues and eigenfunctions of the linear atomic chain]. *Zeitschrift für Physik*, 71(3–4):205–226, March 1931. CODEN ZEPYAA. ISSN ????. URL <http://www.springerlink.com/content/g86x6317566uh2x6/>.

**Bethe:1932:BER**

- [Bet32] Hans A. Bethe. Bremsformel für Elektronen relativistischer Geschwindigkeit. (German) [Scattering of electrons of relativistic velocity]. *Zeitschrift für Physik*, 76(5–6):293–299, ????. 1932. CODEN ZEPYAA. ISSN 0044-3328. See annotation [FBB14].

**Bethe:1933:AZM**

- [Bet33a] Hans Bethe. Aufbau der zusammenhängenden Materie. (German) [Construction of collective matter]. In Adolf Gustav Smekal, editor,



*Handbuch der Physik*, volume 24-2, pages xiii + 1203. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1933. LCCN ????

**Bethe:1933:QZE**

- [Bet33b] Hans Bethe. Quantenmechanik der Ein und Zwei-Elektronenprobleme. (German) [Quantum mechanics of one- and two-electron problems]. In Adolf Gustav Smekal, editor, *Handbuch der Physik*, volume 24-1, pages 273–560. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1933. LCCN ????

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- [Bet33d] Hans A. Bethe. Theorie des Ferromagnetismus. (German) [Theory of ferromagnetism]. In P. J. W. Debye, editor, *Magnetismus*, pages 74–81. Hirzel, Leipzig, Germany, 1933.

**Bethe:1934:ISC**

- [Bet34a] Hans A. Bethe. The influence of screening on the creation and stopping of electrons. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 30:524–539, ??? 1934. CODEN PCPSA4. ISSN 0008-1981.

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- [Bet34b] Hans A. Bethe. Quantitative Berechnung der Eigenfunktion von Metallelektronen. (German) [Quantitative calculation of the eigenfunction of electrons in metals]. *Helvetica Physica Acta*, 7(2):18–23, ??? 1934. CODEN HPACAK. ISSN 0018-0238 (print), 2297-1971 (electronic).

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- [Bet34c] Hans A. Bethe. Zur Kritik der Theorie der Supraleitung von R. Schachenmeier. (German) [A critique of the theory of superconductivity by R. Schachenmeier]. *Zeitschrift für Physik*, 90(9–10):674–679, September 1934. CODEN ZEPYAA. ISSN ??? URL <http://www.springerlink.com/content/v825g1x1jv581212/>. See [Sch32] and response [Sch34].

**Bethe:1935:MLA**

- [Bet35a] H. Bethe. Masses of light atoms from transmutation data. *Physical Review*, 47(8):633–634, April 15, 1935. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v47/i8/p633\\_1](http://prola.aps.org/abstract/PR/v47/i8/p633_1).

**Bethe:1935:TDN**

- [Bet35b] H. A. Bethe. Theory of disintegration of nuclei by neutrons. *Physical Review*, 47(10):747–759, May 15, 1935. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v47/i10/p747\\_1](http://prola.aps.org/abstract/PR/v47/i10/p747_1).

**Bethe:1935:IPN**

- [Bet35c] Hans A. Bethe. Ionization power of a neutrino with magnetic moment. *Proceedings of the Cambridge Philosophical Society. Mathematical and physical sciences*, 31(1):108–115, January 1935. CODEN PCPSA4. ISSN 0008-1981.

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- [Bet35d] Hans A. Bethe. Memorandum of cosmic rays. In *Carnegie Institution of Washington Yearbook*, volume 35, pages 333–335. Carnegie Institution, Washington, DC, USA, 1935.

**Bethe:1935:ARP**

- [Bet35e] Hans A. Bethe. On the annihilation radiation of positrons. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 150(869):129–141, May 1, 1935. CODEN PRLAAZ. ISSN 0080-4630 (print), 2053-9169 (electronic). URL <http://rspa.royalsocietypublishing.org/content/150/869/129>.

**Bethe:1935:STS**

- [Bet35f] Hans A. Bethe. Statistical theory of superlattices. *Proceedings of the Royal Society of London. Series A, Mathematical and physical sciences*, 150(??):552–575, ??? 1935. CODEN PRLAAZ. ISSN 0080-4630 (print), 2053-9169 (electronic).

**Bethe:1936:ACN**

- [Bet36a] H. A. Bethe. An attempt to calculate the number of energy levels of a heavy nucleus. *Physical Review*, 50(4):332–341, August 15, 1936. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v50/i4/p332\\_1](http://prola.aps.org/abstract/PR/v50/i4/p332_1).

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- [Bet37a] H. A. Bethe. Nuclear physics B. Nuclear dynamics, theoretical. *Reviews of Modern Physics*, 9(2):69–244, April 1, 1937. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.9.69>; [http://rmp.aps.org/abstract/RMP/v9/i2/p69\\_1](http://rmp.aps.org/abstract/RMP/v9/i2/p69_1).

**Bethe:1937:STC**

- [Bet37b] Hans A. Bethe. Statistical theory of cooperative phenomena. In Anonymous [Ano37], page ?? LCCN ????

**Bethe:1938:BED**

- [Bet38a] H. A. Bethe. The binding energy of the deuteron. *Physical Review*, 53(4):313–314, February 15, 1938. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v53/i4/p313\\_1](http://prola.aps.org/abstract/PR/v53/i4/p313_1).

**Bethe:1938:CEL**

- [Bet38b] H. A. Bethe. Coulomb energy of light nuclei. *Physical Review*, 54(6):436–439, September 15, 1938. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v54/i6/p436\\_1](http://prola.aps.org/abstract/PR/v54/i6/p436_1).

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- [Bet38d] H. A. Bethe. A method for treating large perturbations. *Physical Review*, 54(11):955–967, December 1, 1938. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v54/i11/p955\\_1](http://prola.aps.org/abstract/PR/v54/i11/p955_1).

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- [Bet38e] H. A. Bethe. The Oppenheimer–Phillips process. *Physical Review*, 53(1):39–50, January 1, 1938. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v53/i1/p39\\_1](http://prola.aps.org/abstract/PR/v53/i1/p39_1).

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- [Bet38f] H. A. Bethe. Order and disorder in alloys. *Journal of Applied Physics*, 9(??):244–251, 1938. CODEN JAPIAU. ISSN 0021-8979 (print), 1089-7550 (electronic), 1520-8850.

**Bethe:1939:EPSb**

- [Bet39a] H. A. Bethe. Energy production in stars. *Physical Review*, 55(1):103, January 1, 1939. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v55/i1/p103\\_1](http://prola.aps.org/abstract/PR/v55/i1/p103_1).

**Bethe:1939:MTN**

- [Bet39b] H. A. Bethe. The meson theory of nuclear forces. *Physical Review*, 55(12):1261–1263, June 15, 1939. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v55/i12/p1261\\_1](http://prola.aps.org/abstract/PR/v55/i12/p1261_1).

**Bethe:1939:EPSa**

- [Bet39c] Hans A. Bethe. Energy production in stars. *Physical Review*, 55(5):434–456, March 1, 1939. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL <http://link.aps.org/doi/10.1103/PhysRev.55.434>; [http://prola.aps.org/abstract/PR/v55/i5/p434\\_1](http://prola.aps.org/abstract/PR/v55/i5/p434_1). See further work [Hoy46, Hoy54]. According to [BL09, page 41], this paper won Bethe the A. Cressy Morrison Prize of the New York Academy of Sciences, and almost three decades later, the 1967 Nobel Prize in Physics.

**Bethe:1940:CTC**

- [Bet40a] H. A. Bethe. A continuum theory of the compound nucleus. *Physical Review*, 57(12):1125–1144, June 15, 1940. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v57/i12/p1125\\_1](http://prola.aps.org/abstract/PR/v57/i12/p1125_1).

**Bethe:1940:MTNa**

- [Bet40b] H. A. Bethe. The meson theory of nuclear forces I. general theory. *Physical Review*, 57(4):260–272, February 15, 1940. CODEN

PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v57/i4/p260\\_1](http://prola.aps.org/abstract/PR/v57/i4/p260_1).

**Bethe:1940:MTNb**

- [Bet40c] H. A. Bethe. The meson theory of nuclear forces. Part II. theory of the deuteron. *Physical Review*, 57(5):390–413, March 1, 1940. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v57/i5/p390\\_1](http://prola.aps.org/abstract/PR/v57/i5/p390_1).

**Bethe:1940:REN**

- [Bet40d] Hans A. Bethe. Recent evidence on the nuclear reactions in the carbon cycle. *Astrophysical Journal*, 92(??):118–121, ??? 1940. CODEN ASJOAB. ISSN 0004-637X (print), 1538-4357 (electronic).

**Bethe:1942:SHA**

- [Bet42a] H. A. Bethe. The specific heat of air up to 25,000°C. Report 1942 OSRD-369 (NDRC B-171), Los Alamos Scientific Laboratory, Los Alamos, NM, USA, February 9, 1942.

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- [Bet42b] Hans A. Bethe. Energy production in stars. *American Scientist*, 30(??):243–264, ??? 1942. CODEN AMSCAC. ISSN 0003-0996 (print), 1545-2786 (electronic).

**Bethe:1942:THFb**

- [Bet42c] Hans A. Bethe. Theory of high frequency rectification by silicon crystals. Report RL-184, US Atomic Energy Commission, Washington, DC, USA, October 29, 1942. URL <http://www.osti.gov/accomplishments/documents/fullText/ACC0099.pdf>.

**Bethe:1942:THFa**

- [Bet42d] Hans A. (Hans Albrecht) Bethe. Theory of high frequency rectification by silicon crystals. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1942. 12 pp.

**Bethe:1942:TBL**

- [Bet42e] Hans A. (Hans Albrecht) Bethe. Theory of the boundary layer of crystal rectifiers. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1942. 23 + 1 pp.

**Bethe:1943:ECT**

- [Bet43a] Hans A. (Hans Albrecht) Bethe. Excitation of cavities through windows. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1943. 18 pp.

**Bethe:1943:FTW**

- [Bet43b] Hans A. (Hans Albrecht) Bethe. Formal theory of wave guides of arbitrary cross section. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1943. 16 pp.

**Bethe:1943:LCS**

- [Bet43c] Hans A. (Hans Albrecht) Bethe. Lumped constants for small irises. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1943. 40 pp.

**Bethe:1943:TSW**

- [Bet43d] Hans A. (Hans Albrecht) Bethe. Theory of side windows in wave guides. Technical report, Radiation Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, 1943. 26 pp.

**Bethe:1944:TDS**

- [Bet44] H. A. Bethe. Theory of diffraction by small holes. *Physical Review (2)*, 66(7):163–182, October 1, 1944. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v66/i7-8/p163\\_1](http://prola.aps.org/abstract/PR/v66/i7-8/p163_1). This paper, delayed in publication by two and a half years because of war-time security considerations, describes the ‘Bethe coupler’, a device that makes bidirectional power flow measurements possible in radar waveguides.

**Bethe:1946:MSM**

- [Bet46a] H. A. Bethe. Multiple scattering and the mass of the meson. *Physical Review*, 70(11):821–831, December 1, 1946. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL [http://prola.aps.org/abstract/PR/v70/i11-12/p821\\_1](http://prola.aps.org/abstract/PR/v70/i11-12/p821_1).

**Bethe:1946:CAW**

- [Bet46b] Hans A. Bethe. Can air or water be exploded? *Bulletin of the Atomic Scientists*, 1(7):2, 14, March 15, 1946. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic).

**Bethe:1947:ESE**

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