

A Selected Bibliography of Publications by, and about, Enrico Fermi

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Title word cross-reference

+ [AFRW42, FF48]. $-1/2$ [CT67]. $1/2$ [CT67]. **\$13.95** [Ano96b, Ano95b].
\$14.95 [Ano95c]. **\$17.50** [Bro68]. $1s$ [FA34]. **\$21.00** [Gol99a]. **\$29.99**
[Seg15]. **\$3.50** [Gra61]. $3/2$ [CT67]. **\$30.00** [Wes16]. $4/3$ [Boc15]. **\$49.95**
[Stu06]. $4d$ [Fer29g, Fer30k]. **\$50** [Ano62, G.64]. **\$6.95** [Bro73c]. 93^{237}
[WS48]. 237 [ML48]. 239 [SP48]. o [Mon66]. $_{93}$ [ML48]. α [OVPL15]. β
[Fer33b, FBE⁺34, Fer34n, Fer34o, Yan13b]. $F_{1/2}(x)$ [WR63]. f_t [Fer42d]. \gg
[Bas01, For01]. h/k [FR27b, FR27a]. k [Fer42c, Fer42s]. \ll [Bas01, For01]. ν
[FMM45]. p [FS34a, FS34b]. s [Fer28e, Fer28g].

-Decay [Yan13b, FBE⁺34]. **-Fermi** [OVPL15]. **-rays** [FS34a, FS34b, Fer34o].
-Strahlen [Fer34o]. **-Terme** [Fer28e, Fer28e]. **-Terms** [Fer28g]. **-Value**
[FMM45].

/2nd [KGSO55]. **/FA** [KGSO55]. **/The** [KGSO55].

0 [Bat06]. **0-226-12111-9** [Bat06]. **0-226-81664-8** [Lau13a]. **0511222** [Esp05].

1 [Gan02]. **11** [Fer42j]. **11.25** [Ano96b]. **121** [FSA41]. **1600-1980** [GHMP87]. **19** [Bro68]. **1911** [Meh75]. **1922/23** [CS99]. **1930s** [BR94, De 05c, Kra92, Orl98, Stu84, Tur06b, Stu79]. **1933** [CCJ+34, Fer33c]. **1938** [Fer38e, Fer39b, Fer62a, Fer70a, All62a, Rab63]. **1939** [Sei90]. **1939-1945** [Sei90]. **1939/1946** [HA62, HA69, HA90]. **1941** [Ano41a]. **1942** [Ano11, Lau46a, Lau46b, Wat82]. **1942-1952** [Fit13]. **1945** [Hah75a, Pau45, Sei90]. **1946** [CSW97b]. **1947** [HA69, Sei90]. **1947-1977** [Sei90]. **1947/1952** [HAD90]. **1949** [FR76]. **1950s** [BDH89, Sei90]. **1954** [ASA55b, All57, Ano54b, Bai55, BC55, Cam54, Fer65b, Gla02, Wig55, Pal69, Sha67]. **1955** [Bet55]. **1960** [Zuc70]. **1960s** [Mla98]. **1968** [Ano68b]. **1969** [WH72]. **1972** [Meh73]. **1974** [Ano09d]. **1977** [Gro78, Sei90]. **1982** [MR86]. **1983** [GHMP87]. **1988** [DGS89, Rig00]. **1992** [GER+92]. **1994** [Ano94b]. **1996** [Ano96a]. **1st** [Fol86, GHMP87].

2 [Ano98, Rab66]. **2001** [Ber02a]. **2002** [Bar05]. **20th** [APB96, ABP98, Meh73]. **22** [CCJ+34]. **25th** [Ano05]. **29** [Ber02a]. **29.00** [Cal13]. **2nd** [Gri96, KGSO55].

3 [FZ44]. **3.15** [Buc73b]. **368pp** [Wes16]. **3D** [KHB12].

40th [ATFF82, MKR87]. **41** [Zuc70, Bra69, Cer69, Rei69, Smi68].

5 [Wes16]. **50th** [Ano95a]. **54** [Laf71]. **5th** [KGSO55].

60-year-old [Ano15b].

7 [Tur08].

80th [FPLR59].

9 [Bat06, Mal08]. **93** [Nod34]. **93d** [Ano34c]. **93rd** [Ano34f]. **978** [Mal08, Tur08, Wes16]. **978-0-226-81664-7** [Cal13]. **978-1-62779-005-5** [Wes16]. **978-88-339-1746-7** [Tur08]. **978-88-518-0081-9** [Mal08].

A. [Ano55b, Fer35a]. **AAPT** [Fer52g]. **Abschlusses** [Pau25]. **absence** [Har75]. **Absolute** [Fer23j]. **Absorbed** [Fer42p]. **Absorption** [AF35a, AF35b, AF36a, AF36b, AF36d, AFS39, AF40, AFW42, AF42a, AF44a, AFW+47, AF4x, BJ41, Fer39a, FW41, Fer42a, Fer42f, Fer44a, AFW+57, Fer29d]. **abstract** [LFA+52, NAF+52]. **Academician** [Ano34c]. **Academy** [Ano41a, Ano41b, Bar05, WH72]. **Accelerator** [Cre10, Wal74b, Wal74a, Ano51, Ano69]. **Accelerators** [Pes03]. **According**

[BM35, Fer27d, Geo32, Som27]. **Account** [Jon85b, Sei90]. **Accurate** [ABF14]. **achieve** [Ste59]. **Achieved** [Kae35]. **Action** [Ano34c, FR38, FR33b, FR33c, FAP⁺34]. **Activation** [AF44a]. **Active** [HS89, PAF⁺42, Fer42t, HS39a]. **Activities** [F⁺43a, F⁺43b, F⁺43g, F⁺43c, F⁺43d, F⁺43e, F⁺43f, Fer44d, F⁺44c, F⁺44d, F⁺44e, F⁺44f, F⁺44g, F⁺44a, F⁺44b, Tur06b]. **actuel** [Fer32a]. **ad** [Fer52b, Seg86a]. **Adams** [Hol90d]. **adaptation** [JB83]. **adaptive** [ZZWK12]. **adiabatic** [Fer23h, FP26, LC02]. **adiabatiche** [Fer23h, FP26]. **adiabatici** [LC02]. **Advances** [Kae35, Bar87]. **adventurous** [ABES12]. **Advisory** [Ano41a, OBC⁺49, Sei90]. **AEC** [Ano49, Ano63b, Ano68c, Ano70, Bet63, OBC⁺49, Wig62]. **Affair** [Cal13, Lau13a, Tur12]. **Affairs** [GR63]. **Affinità** [Fer29a]. **affinity** [Fer29a]. **after** [Cal01, Cra00, GHH02, Kae48, Mal03a]. **Again** [Esp05]. **against** [Bax46, Bax68, Fer26a, Fer27b]. **Age** [Ano67a, GR63, Lau46a, Sch17, Wat04, Her79, Mag09, Mar96, Rif06, RK95, SH16, Ano67c, Ban04, Lau46b, Ste59, Gar18, Lan17, Sei90, Wes16, Lan18]. **Agency** [Fis97, IAE97]. **Ages** [VD15, Oak18]. **Agnew** [Ano12b]. **ago** [PZHC09]. **ai** [Ama02b, Ano02, FV02, Gan02, Seg83]. **Air** [Fer39a, FS58a, FS61]. **Air-cooled** [FS61]. **aktiver** [HS39a]. **al** [Bat03b, Fer49c, Ver01a, FM47f]. **Alamogordo** [LW71]. **Alamos** [Fer51d, Fer54c, Fit99, Fit13, MKR87, Ree17, Agn04, Ano75, BHB80, Esp08b, Fer80, Gar04, HTS83, SR92, Sza92]. **Alan** [Sol68]. **Alarm** [Rid84]. **Albedo** [FAW38, Fer42e]. **Albert** [Ein39, Her79]. **alcalini** [Fer30m]. **alcune** [Fer22h, Fer27e, Fer28f, Fer28g]. **Alcuni** [Fer23a, Pon92, Pon13, Sal01]. **Alfred** [Mon66]. **algorithm** [ZZWK12]. **alien** [Sho09]. **Aliens** [AK16, AK17, Tar03, Web15]. **alienswhere** [Web02]. **alkali** [Fer30o, Fer30m]. **Alkalien** [Fer30o]. **alkaline** [HS39b]. **alla** [CS00c, Fer28c, Fer28d, Fer28f, Sal02b]. **alle** [GER⁺92]. **Allen** [Fri55b]. **allgemeinen** [Fer23b]. **Allgemeines** [Som28a]. **allievi** [Pon93]. **Allison** [Fer42l]. **allow** [Fer23h]. **Alloy** [Fer42x]. **Alone** [Gri11, Gri18, Pap78, Cra00]. **Alpha** [Ano34c, FS41]. **Alpha-Particles** [FS41]. **Also** [Kat75]. **Alternating** [FR25a, FR25b, FR25c, FR25d]. **alternato** [FR25b, FR25c]. **Aluminum** [FM47d]. **Always** [KS99, Seg93]. **Alwyn** [Sei90]. **Amadesi** [Dra72a]. **Amaldi** [Bad67, Bat03b, Seg79]. **Amelio** [AS96]. **America** [Sei90, Zuc70, Kev77, Kev87, Kev95, Mal03b, Sop76, Sop80, Sop88, Stu84, Stu85, Tel02, Zuc70]. **American** [Bet55, Sei90, Sol68, WH72, Bad05, CHW91, GC99, Gon96a, Val06, WC84]. **americana** [Val06]. **Amherst** [Bar05]. **amici** [Pon93]. **ammettono** [Fer23h]. **ammonia** [Fer32c, Fer32e, Fer32f]. **among** [FM03, Pin03]. **Amount** [Ano39a]. **Analisi** [Der64]. **analitica** [Fer23a]. **Analogue** [Mar59]. **Analyses** [Mon66]. **Analysis** [Fer44c, FMA54, D'A03, Der64]. **analytical** [Fer23a]. **Anders** [Sei90]. **angolari** [Fer23h]. **Anguished** [Sal03b]. **Angular** [AFNY52a, AFMN53, Fer51a, Fer23h]. **anni** [Ama02b, CS00b, CDS01, Dra76, PS07]. **Annihilation** [BM35].

Anniversary [ATFF82, Ano95a, FB64, MKR87, BRV84, Pon55].
Announced [Ano39d]. **Annual** [Ano63b, Ano05, Bet63, G.64]. **anomala** [FR27b]. **anomale** [FR27a]. **Anomalous** [FR27b, Fer28a, FR27a]. **answers** [KS99]. **antimateria** [Ama61]. **antimatter** [Ama61]. **Anton** [Fis10a, Fis12a, Fis10a, Fis12a]. **Anwendung** [Fer28i, Fer28b, KGSO55].
Any [GB89]. **Anyone** [AK16]. **aos** [Seg87a]. **Apfel** [Büh98b]. **Appendix** [FSA41]. **apple** [Büh98b]. **Application** [CIR04, Fer28i, FMM47, GM85a, GM85b, GP31, Fer28b, KGSO55, Roq92].
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applicazioni [Fer22h, Fer38f]. **Applied** [De 03]. **Applying** [Fer28f].
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Approximation [RNKS04, SZ62, WR63, SS11]. **Approximations** [CT67, MP56]. **April** [Bet55]. **Arcangelo** [Min02]. **Archibald** [Ano68b].
Archives [Bar05, Bat03b, Cra02, LRS00]. **archivi** [Bat03b]. **Argomenti** [Fer26a, Fer27b]. **Argonne** [AFMW42, Fer42s, F⁺42b]. **Arguments** [Fer26a, Fer27b]. **Arms** [CF53a, Sei90, Sol68]. **Army** [Sei90]. **Arnold** [Nis18]. **Article** [Ano95a, FV02]. **Articles** [GR63, Sei90]. **articolo** [FV02].
Artificial [AGR04, ADF⁺35d, Ano34a, Dys60, Fer34a, Fer34b, FAD⁺34a, Fer35d, Fer35e, Fer39b, Fer65a, Fer70a, GLR06, GR09, AFR37, Fer38f, ADF⁺35a, FAD⁺34b, Fer34e, Fer35a]. **artificiale** [AFR37, Fer34e, Fer35a, Fer35d, Fer35e, Fer38f]. **artist** [KS99]. **Arts** [WH72].
Ascent [Bro73a]. **asintotica** [Som32b]. **Asks** [AK16]. **Aspects** [SW72, Meh75]. **Associate** [Ama02a]. **associated** [Fer28d]. **Association** [Ano20]. **assoluta** [Fer23j]. **assorbimento** [AF36b]. **Assume** [G.64].
Astbury [Bad67]. **Asteroid** [Pap78]. **Astronautical** [KGSO55].
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Atmospheric [Fer42g]. **Atom** [Ano34b, Ano39b, Ano39a, Ano39d, Ano54a, Ano55c, Bor57, Bor63, Bos50, Kae45, Lau51, Mon66, Pau25, Sei90, Som32a, Ano51, Bru11, CHW91, Fer29a, SW87, WC84, dL63]. **Atombaues** [Fer28i].
Atome [Som33, dL63]. **Atomen** [Fer24g]. **Atomi** [Fer30a, Fer25f, Fer25d].
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Atomica [Fer28c, Fer50a, Bru11, Fer30b]. **atomici** [Fer30h]. **atomico** [FRD34]. **atomique** [Fer32a, Gol80, Mon66]. **atomiques** [CCJ+34].
Atomkerne [Flü39, Fer30p]. **Atomreaktor** [Lan01]. **Atoms** [DE04, Fer25d, Fer26c, Fer28b, Fer54k, Fer57b, Fer82c, Fer87, LS77, Rut20, Sol03, Fer24g, Fer25f, Fer01, Lie81, Lie82, Mar75, Som33, Spr91, Fer30a, Man57, Som32a, Ano95b, Cam54, Fri55b]. **Attempt** [Fer33b, Fer34o].
Attention [Ken54]. **attuale** [Fer29d, Fer32c]. **attuali** [Fer29e]. **audience** [Ano12b]. **auspices** [CCJ+34, Smy45b]. **Austrittsvorgänge** [Som28a].
autobiography [Seg93]. **autoionization** [ACM10]. **aux** [Seg84]. **available** [Flü39]. **Avvengono** [Fer22c]. **avventurosa** [Tur08]. **Award** [Ano61, Ano67b, Ano68b, Ano90, Ano09b, G.64, Wal64a, Ano58, Ano59, Ano62, Ano63a, Ano63b, Ano65a, Ano66, Ano68c, Ano73, Ano79, Ano81, Ano93b, Ano94b, Ano96a, Bet63, Hol90a, WB64, Wig62]. **Awarded** [Ano50b]. **Awarding** [KGSO55]. **Awards** [Bar87]. **Azione** [FR33b, FR33c, FAP+34, FPR34a, FR38].

B [Bro68, Mag61, Wil71]. **B.** [Dra72a]. **back** [Mei64a, Mei64b]. **Backyard** [Sei90]. **Baeyer** [Ano94a, Ste93]. **Bagels** [Win86]. **Bailyn** [Zuc70].
Bakerian [Rut20]. **Ball** [Ano39a, Sei90]. **bande** [Fer25g, Fer32e, Fer32f].
Bands [Fer25g, Fer32e, Fer32f]. **Bare** [Ano39a]. **Barium** [HS89, HS39a].
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Bernard [Zuc70, Ano93a]. **Bernardini** [Gra61, Mal05, Stu06].
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best [Pur63]. **best-kept** [Pur63]. **Bestandsaufnahme** [GHH02].
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undulatory [Fer27d]. **Uniform** [Fer21b, Fer23g]. **Uniforme** [Fer21b].
uniformi [Fer23g]. **Unit** [Fer42y, Fer44c]. **United**
 [DGS89, Fer65b, Pal69, Fer57b, HA69, HDHA89, Rid84, Smy45b, Wat88].
Universal [Bar05, Fra90c, Tre76]. **Universe** [Ano03, Cow09, Gri11, Tar03,
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 Ano46a, Ano34d, Ano39a, Ano39d, Ano12c, Bet00, FW41, FS41, FSA41, Fer41,
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 [CS00d]. **Versuch** [Fer34o]. **Versus** [Rob95]. **very** [Hei55, Hei83]. **vi**
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 [Tur08, AS96, Ano01b, Bia90, BCR09, Lom93, Mal10, Ama03, AFM88, AS96,
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 [Fer54l, Fer54m, Mil07]. **Views** [Nis18]. **VII** [ADF⁺34a, AYS95]. **viii**
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 [Sei90]. **visit** [Fer49c, Fer76]. **visita** [Fer49c]. **Visualization** [CBH09]. **vita**
 [Dra76, Pon92, Pon13, Sal02b, Tur08, dL74]. **viva** [FP26]. **Voci** [MFS⁺6x].
voices [MFS⁺6x]. **Vol**
 [Fer62a, Fer65b, Mor63a, Wig96b, All62a, Bro68, Mon66, Rab63, Rab66, Sha67].
Volt [Ano39d]. **Volta** [Som27, Som27]. **Volta-Effektes** [Som27]. **voltages**

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 [Pal69, Ano02, Rei72, MKR87, Tau63]. **Vorgänge** [Som28b].
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 [Fer24h]. **Walter** [Ano70]. **Walther** [Six88]. **War**
 [Bad05, Cal13, Kie13, Lau13a, Mal03a, Sag83, Sim12, Tur12, De 03]. **Warfare**
 [Fer57c, Tel57]. **Warren** [Sol68]. **Wars** [Mai91]. **wartime** [CSW96]. **Warum**
 [CSW97a]. **Was** [Büh98a, Sei90, Bia90, Fer54l, Fer54m, Hop90]. **Washington**
 [Bet55]. **Water** [AF44b, AFN44, Bun83, Fer42w, Wig43]. **Wave**
 [Fer30l, FP26, Fer26h]. **Wave-Mechanics** [Fer30l]. **waves** [Fer38b]. **Way**
 [Wil69, Esp08b, Hol02, Gri18]. **Weak** [Cab03, Fra86, BRV84, Cab02].
weak-interaction [BRV84]. **Weapon** [Fit99, Fit13]. **Weapons**
 [Bad05, Yor87]. **Weart** [Sei90]. **Weaver** [Sei90]. **Webb** [Mag61, Tar03].
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 [Ano34b, Fer21b, Fer23k, Fer22a]. **Weinberg** [Ano81]. **Weintraub** [Sol68].
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Wellenmechanik [Fer26h]. **went** [Ols63]. **Wentzel** [MP56]. **Wer** [Ano10].
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Wheeler [Ano68a, Ano68b, Ano68c]. **Where** [BB15c, BB15d, Cra00, Jon85a,
 Tar03, Web15, vH01, HZ82, Ols63, ZH95, Jon85b]. **which** [Lau46b]. **Who**
 [Ano53a, Gar18, Sch17, Dem15, Gre05, Kie13, Lan18, Maf92, Ano10, Dem15].
wide [Bel87]. **Widely** [Ano39a]. **Widerspruch** [Fer22f]. **Wife**
 [Fer04a, Wei94]. **Wigner** [Ano58, HH04b, Seg03, Wig67, Wig96b]. **Wild**
 [Pei86]. **Wiley** [Bro68, Win86]. **will** [Kra15, Rig84]. **William** [Sei90].
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Won [Ano95a]. **Wong** [Fal73]. **Words** [Win86]. **Work**
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Working [Wil04c, Fer71a]. **Works** [Dir03, Tau63, B⁺13, CS00c, Wig96b].
World [Ano46a, CW71, Fer22c, FS95, GR63, HA69, Hol07, Man57, Moo95,
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 [Seg86b]. **xii** [Bat06, Buc73b, Stu06]. **xix** [Seg15]. **xv** [Bar05]. **xvii** [Bar05].
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- [AF44a] Herbert L. Anderson and Enrico Fermi. Boron absorption of fission activation. Report CP-2161, US Atomic Energy Commission, Washington, DC, USA, 1944. 3 pp. In: Fermi, E., et al. Argonne Laboratory. Report for month ending September 23, 1944.
- Anderson:1944:DPW**
- [AF44b] Herbert L. Anderson and Enrico Fermi. Dissociation pressure of water due to fission. Report CP-1729, US Atomic Energy Commission, Washington, DC, USA, May 1944. 1 pp. In: Fermi, E., et al. Nuclear Physics Division. Part I of report for month ending May 25, 1944.

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- [AF4x] Herbert L. Anderson and Enrico Fermi. The absorption cross section of boron for thermal neutrons. Report CP-74, US Atomic Energy Commission, Washington, DC, USA, 194x.

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- [AF52] Herbert L. Anderson and Enrico Fermi. Scattering and capture of pions by hydrogen. *Physical Review*, 86(5):794, June 1, 1952. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v86/i5/p794_1.

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- [AFF⁺42a] Herbert L. Anderson, B. T. Feld, Enrico Fermi, George Weil, and Walter H. Zinn. Neutron reproduction in a lattice of uranium oxide and graphite. Report C-20, US Atomic Energy Commission, Washington, DC, USA, March 26, 1942.

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- [AFF⁺42b] Herbert L. Anderson, B. T. Feld, Enrico Fermi, George L. Weil, and Walter H. Zinn. Neutron production in a lattice of uranium oxide and graphite (exponential experiment). Report CP-20, US Atomic Energy Commission, Washington, DC, USA, March 26, 1942.

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Anderson:1939:PNU

- [AFH39] Herbert L. Anderson, Enrico Fermi, and H. B. Hanstein. Production of neutrons in uranium bombarded by neutrons. *Physical Review*, 55(8):797–798, April 15, 1939. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v55/i8/p797_2.

Anderson:1952:TCSa

- [AFL⁺52] Herbert L. Anderson, Enrico Fermi, E. A. Long, R. Martin, and Darragh E. Nagle. Total cross section of negative pions in hydrogen. *Physical Review*, 85(5):934–935, March 1, 1952. CODEN

PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v85/i5/p934_2.

Anderson:1952:TCSb

- [AFLN52] Herbert L. Anderson, Enrico Fermi, E. A. Long, and Darragh E. Nagle. Total cross sections of positive pions in hydrogen. *Physical Review*, 85(5):936, March 1, 1952. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL <http://inspirehep.net/record/28195>; http://prola.aps.org/abstract/PR/v85/i5/p936_1.

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- [AFM46] Herbert L. Anderson, Enrico Fermi, and Leona Marshall. Production of low energy neutrons by filtering through graphite. *Physical Review*, 70(11–12):815–817, December 1, 1946. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v70/i11-12/p815_1.

Amelio:1988:RPI

- [AFM88] Gianni Amelio, Ennio Fantastichini, and Laura Morante. I ragazzi di Via Panisperna. (Italian) [The boys of Via Panisperna]. 125 minute film from San Paolo audiovisivi, Italy., 1988. Screenplay by Gianni Amelio and Alessandro Sermoneta, photography Tonino Nardi, directed by Gianni Amelio, Andrea Prodan, and Ennio Fantastichini. Starring Virna Lisi, Andrea Prodan, and Alberto Gimignani.

Anderson:1953:ADP

- [AFMN53] Herbert L. Anderson, Enrico Fermi, R. Martin, and Darragh E. Nagle. Angular distribution of pions scattered by hydrogen. *Physical Review*, 91(1):155–168, July 1, 1953. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v91/i1/p155_1.

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- [AFMW42] Herbert L. Anderson, Enrico Fermi, John Marshall, and Leona Woods. Standardization of the Argonne Pile. Report, US Atomic Energy Commission, Washington, DC, USA, 1942. Excerpt from Report CP-641 for month Ending May 10, 1943.

Anderson:1944:RFN

- [AFN44] Herbert L. Anderson, Enrico Fermi, and Darragh E. Nagle. Range of fission neutrons in water. Report CP-1531, US Atomic Energy

Commission, Washington, DC, USA, 1944. Excerpt from Metallurgical Laboratory Report CP-1531 for month ending March 25, 1944.

Anderson:1952:ADP

- [AFNY52a] Herbert L. Anderson, Enrico Fermi, Darragh E. Nagle, and Gaurang B. Yodh. Angular distribution of pions scattered by hydrogen. *Physical Review*, 86(5):793, June 1, 1952. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v86/i5/p793_2.

Anderson:1952:DTC

- [AFNY52b] Herbert L. Anderson, Enrico Fermi, Darragh E. Nagle, and Gaurang B. Yodh. Deuterium total cross sections for positive and negative pions. *Physical Review*, 86(3):413, May 1, 1952. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL <http://inspirehep.net/record/47341>; http://prola.aps.org/abstract/PR/v86/i3/p413_1.

Amaldi:1937:GAN

- [AFR37] Edoardo Amaldi, Enrico Fermi, and Franco Rasetti. Un generatore artificiale di neutroni. (Italian) [An artificial generator of neutrons]. *La Ricerca Scientifica*, 8(2):40–43, 1937. CODEN RISCAZ. ISSN 0035-5011.

Amaldi:1934:NRP

- [AFRS34] Edoardo Amaldi, Enrico Fermi, Franco Rasetti, and Emilio Segrè. Nuovi radioelementi prodotti con bombardamento di neutroni. (Italian) [New radioelements produced with neutron bombardment]. *Il Nuovo Cimento (8)*, 11(7):442–447, 1934. CODEN NUCIAD. ISSN 0029-6341 (print), 1827-6121 (electronic). URL <http://www.springerlink.com/content/g14637jq4r7r54g8/>.

Anderson:1942:NNE

- [AFRW42] Herbert L. Anderson, Enrico Fermi, J. H. Roberts, and M. D. Whitaker. The number of neutrons emitted by a Ra + Be source (source I). Report C-21 (MDDC-880), US Atomic Energy Commission, Washington, DC, USA, March 21, 1942.

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- [AFS39] Herbert L. Anderson, Enrico Fermi, and Leo Szilard. Neutron production and absorption in uranium. *Physical Review*, 56(3):284–286, August 1, 1939. CODEN PHRVAO. ISSN 0031-899X (print),

1536-6065 (electronic). URL <http://adsabs.harvard.edu/abs/1939PhRv...56..284A>; http://prola.aps.org/abstract/PR/v56/i3/p284_1.

Anderson:1942:ACSa

- [AFW42] Herbert L. Anderson, Enrico Fermi, and George L. Weil. Absorption cross-sections for Rn plus Be fast neutrons. Report C-72, US Atomic Energy Commission, Washington, DC, USA, 1942. Undated: year chosen according to report number.

Anderson:1947:MMN

- [AFW⁺47] Herbert L. Anderson, Enrico Fermi, A. Wattenberg, George L. Weil, and Walter H. Zinn. Method for measuring neutron-absorption cross sections by the effect on the reactivity of a chain-reacting pile. *Physical Review*, 72(1):16–23, July 1, 1947. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v72/i1/p16_1.

Anderson:1957:MMN

- [AFW⁺57] Herbert L. Anderson, Enrico Fermi, Albedo Wattenberg, George L. Weil, and Walter H. Zinn. Method for measuring neutron-absorption cross sections by the effect on the reactivity of a chain-reacting pile. *Physical Review*, 72(1):16–23, July 1957. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v72/i1/p16_1.

Albarracin:2014:DPS

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Agnew:1982:EI

- [Agn82] Harold M. Agnew. Early impressions. *Bulletin of the Atomic Scientists*, 38(10):20–21, December 1982. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). See erratum [Ano83] that corrects the photo caption: it shows the first nuclear pile after reassembly at Argonne National Laboratory, *not* the original pile at Stagg Field.

Agnew:2003:DFL

- [Agn03] Harold Agnew. Documents on Fermi's life. In Anonymous [Ano03], pages 289–294. ISBN 88-8286-032-9. LCCN ???? URL http://old.enea.it/produzione_scientifica/pdf../V2003_AttiFermi.pdf.

Agnew:2004:FCA

- [Agn04] Harold Agnew. Fermi at Columbia, Los Alamos, and Chicago. In Orear [Ore04], chapter 21, pages 101–106. ISBN ???? LCCN ???? URL <http://dspace.library.cornell.edu/handle/1813/62>; <http://hdl.handle.net/1813/74>.

Acocella:2004:efd

- [AGR04] Giovanni Acocella, Francesco Guerra, and Nadia Robotti. Enrico Fermi's discovery of neutron-induced artificial radioactivity: The recovery of his first laboratory notebook. *Physics in Perspective (PIP)*, 6(1):29–41, April 2004. CODEN PHPEF2. ISSN 1422-6944 (print), 1422-6960 (electronic). URL <http://www.springerlink.com/content/5qgmvy95d3t33ma/>.

Al-Khalili:2016:ASA

- [AK16] Jim Al-Khalili, editor. *Aliens: Science Asks: Is There Anyone Out There?* Profile Books, London, UK, 2016. ISBN 1-78125-681-0 (paperback), 1-78283-271-8 (e-book). 148 pp. LCCN QB54 .A45 2016.

Al-Khalili:2017:AWL

- [AK17] Jim Al-Khalili, editor. *Aliens: the world's leading scientists on the search for extraterrestrial life*. Picador, New York, NY, USA, 2017. ISBN 1-250-10963-9 (hardcover), 1-250-10965-5. 232 pp. LCCN QB54 .A395 2017.

Allison:1957:EF

- [All57] Samuel K. Allison. Enrico Fermi 1901–1954. *Biographical memoirs — National Academy of Sciences of the United States of America*, 30(6):123–155, ???? 1957. CODEN BMNSAC. ISSN 0077-2933. URL <http://books.nap.edu/html/biomems/efermi.pdf>; <http://lccn.loc.gov/57002459>.

Allison:1962:BRB

- [All62a] Samuel K. Allison. Book review: *The Collected Papers of Enrico Fermi. vol. 1. Italy, 1921–1938* by Enrico Fermi and Emilio

Segrè. *American Scientist*, 50(4):424A–424A, 1962. CODEN AMSCAC. ISSN 0003-0996 (print), 1545-2786 (electronic). URL <http://www.jstor.org/stable/27838557>. See [Fer62a].

Allison:1962:ICR

[All62b] Samuel K. Allison. Initiation of the chain reaction: The search for pure materials. *International Atomic Energy Agency Bulletin*, 4(0):12–14, 1962. CODEN IAEBAB. ISSN 0020-6067 (print), 1564-2690 (electronic). URL http://en.wikipedia.org/wiki/Atlas_Uranium_Mill; http://en.wikipedia.org/wiki/Moab,_Utah; <http://www.iaea.org/Publications/Magazines/Bulletin/Bull1040su/04004701214su.pdf>.

Allibone:1963:IEF

[All63] T. E. Allibone. Inspirations of Enrico Fermi. *Nature*, 200(4910):961–962, December 7, 1963. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v200/n4910/pdf/200961a0.pdf>.

Amaldi:1956:GPO

[Ama56] Edoardo Amaldi. George Placzek [obituary]. *La Ricerca Scientifica*, 26(??):2038–??, 1956. CODEN RISCAZ. ISSN 0035-5011. Placzek had worked closely with Fermi’s group in Rome, especially on experiments on the Raman effect; see [Seg70b, page 60].

Amaldi:1959:FMD

[Ama59] Edoardo Amaldi. The Fermi manuscripts at the «Domus Galiaeana». *Physis: Rivista Internazionale di Storia della Scienza*, 1(2):69–72, 1959. CODEN PYSSA3. ISSN 0031-9414 (print), 2038-6265 (electronic).

Amaldi:1961:MAI

[Ama61] Ginestra (Giovane) Amaldi. *Materia e antimateria. (Italian) [Matter and antimatter]*. A. Mondadori, Milano, Italy, 1961. 439 pp. LCCN ????

Amaldi:1966:NMP

[Ama66] Ginestra (Giovane) Amaldi. *The nature of matter: physical theory from Thales to modern times*. Allen and Unwin, London, UK, 1966. 332 pp. LCCN QC173 .A413.

Amaldi:1973:BRB

- [Ama73] Edoardo Amaldi. Book review: *Enrico Fermi, Physicist*, by Emilio Segré. *Physics Today*, 26(6):58–60, July 1973. CODEN PHTOAD. ISSN 0031-9228 (print), 1945-0699 (electronic). URL http://www.physicstoday.org/resource/1/phtoad/v26/i6/p58_s1.

Amaldi:1979:YR

- [Ama79] Edoardo Amaldi. The years of reconstruction. In Schaerf and Amaldi [SA79], pages 379–461. ISBN 3-7186-0007-2. LCCN QC770 .C748 1979.

Amaldi:1984:DND

- [Ama84] Edoardo Amaldi. From the discovery of the neutron to the discovery of nuclear fission. *Physics Reports*, 111(1–4):1–331, September 1984. CODEN PRPLCM. ISSN 0370-1573 (print), 1873-6270 (electronic). URL <http://www.sciencedirect.com/science/article/pii/037015738490214X>.

Amaldi:1987:FDS

- [Ama87] E. Amaldi. The Fermi–Dirac statistics and the statistics of nuclei. In García Doncel et al. [GHMP87], pages 253–277. ISBN 84-7488-148-X. LCCN QC174.17.S9 I57 1983.

Amaldi:2002:CDS

- [Ama02a] Edoardo Amaldi. Commemorazione del socio Enrico Fermi. (Italian) [Commemoration of the associate Enrico Fermi]. In *Conoscere Fermi nel centenario della nascita: 29 settembre 1901–2001. (Italian) [Learn about Fermi in the centenary of his birth: 29 September 1901–2001]* [Ber02a], pages 23–36. ISBN 88-7438-000-3. LCCN QC774.F4. 10.33 EUR. URL <http://prometeo.sif.it:8080/libri/fermi/17.pdf>. English translation in [BB04b].

Amaldi:2002:FND

- [Ama02b] Ugo Amaldi. La fisica dei nuclei dagli anni trenta ai giorni nostri. (Italian) [The physics of nuclei from the Thirties to the present day]. In *Conoscere Fermi nel centenario della nascita: 29 settembre 1901–2001. (Italian) [Learn about Fermi in the centenary of his birth: 29 September 1901–2001]* [Ber02a], pages 152–177. ISBN 88-7438-000-3. LCCN QC774.F4. 10.33 EUR. URL <http://prometeo.sif.it:8080/libri/fermi/10.pdf>. English translation in [BB04b].

Amaldi:2003:SNP

- [Ama03] Ugo Amaldi. Slow neutrons at Via Panisperna: the discovery, the production of isotopes and the birth of nuclear medicine. In Anonymous [Ano03], pages 145–168. ISBN 88-8286-032-9. LCCN ????. URL http://old.enea.it/produzione_scientifica/pdf../V2003_AttiFermi.pdf.

Amati:2019:MEF

- [AMS19] Graziano Amati, Hugues Meyer, and Tanja Schilling. Memory effects in the Fermi–Pasta–Ulam model. *Journal of Statistical Physics*, 174(1):219–257, January 2019. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic).

Anderson:1933:PE

- [And33] Carl D. Anderson. The positive electron. *Physical Review*, 43(6):491–494, March 15, 1933. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v43/i6/p491_1. This paper reports the discovery of the positron, for which Anderson received the 1936 Nobel Prize in Physics.

Anderson:1955:MEE

- [And55] Herbert L. Anderson. Meson experiments with Enrico Fermi. *Reviews of Modern Physics*, 27(3):269–272, July 1955. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.27.269>; http://rmp.aps.org/abstract/RMP/v27/i3/p269_1.

Anderson:1973:TQA

- [And73a] Herbert Anderson. Three questions about the sustained nuclear chain reaction. *The University of Chicago Magazine*, 65(5):3–7, March/April 1973. ISSN 0041-9508. URL <http://library.ucsd.edu/dc/object/bb3960604v>.

Anderson:1973:EDC

- [And73b] Herbert L. Anderson. Early days of the chain reaction. *Bulletin of the Atomic Scientists*, 29(4):8–12, April 1973. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic).

Anderson:1974:AOTb

- [And74a] Herbert L. Anderson. “All in our time”: Fermi, Szilard, and Trinity. *Bulletin of the Atomic Scientists*, 30(8):40–47, October

1974. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). See also part 1 [And74b].

Anderson:1974:AOTa

- [And74b] Herbert L. Anderson. “All in our time”: The legacy of Fermi and Szilard. *Bulletin of the Atomic Scientists*, 30(7):56–62, September 1974. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). Continued in [And74a].

Andrews:1999:QFB

- [And99] Michael R. Andrews. Quantum fluids: Bose gases and their Fermi cousins. *Nature*, 398(6724):195–198, March 18, 1999. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v398/n6724/full/398195a0.html>.

Anonymous:2016:MTA

- [Ano17] Anonymous. The march of time: Atomic power! Periscope Film LLC archive, April 17, 2016. URL <https://www.youtube.com/watch?v=iTJJ7tkD5L4>.

Anonymous:1920:PBA

- [Ano20] Anonymous. Physics at the British Association. *Nature*, 106(2663):357–358, November 11, 1920. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v106/n2663/pdf/106357a0.pdf>. From this meeting report: “The results thus show that the elements may be considered as being composed of these hydrogen nuclei, or ‘protons’ as Sir Ernest Rutherford would have us call them, . . .” It is believed that this is the first published mention of the word proton.

Anonymous:1934:DAE

- [Ano34a] Anonymous. Dozen artificial elements. *New York Times*, ??(?): 25, June 5, 1934. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <https://search.proquest.com/hnpnewyorktimes/docview/101252432/>.

Anonymous:1934:FMS

- [Ano34b] Anonymous. Fermi measures speed of neutron: Says it pierces atom nucleus in a thousand million million millionths of a second. New helium produced. Oliphant tells the Cambridge session of variety with atomic weight of 6. *New York Times*, ??(?):25,

October 5, 1934. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <https://search.proquest.com/hnpnewyorktimes/docview/101010661/>.

Anonymous:1934:IPE

- [Ano34c] Anonymous. Italian produces 93d element by bombarding uranium: Professor Enrico Fermi, academician, uses neutrons formed by decomposition of beryllium under the action of alpha particles of radium. *New York Times*, ??(??):??, June 5, 1934. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <https://search.proquest.com/hnpnewyorktimes/docview/101250532/>.

Anonymous:1934:NEF

- [Ano34d] Anonymous. New element found, has atomic count 93: Famous pitchblende deposits yield substance with higher number than uranium. (German) []. *New York Times*, ??(??):19, July 13, 1934. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <https://search.proquest.com/hnpnewyorktimes/docview/101123324/>.

Anonymous:1934:NHE

- [Ano34e] Anonymous. New heavy element created [element 93: neptunium]. *The Times*, ??(??):??, June 4, 1934.

Anonymous:1934:SE

- [Ano34f] Anonymous. Science: 93rd element? *Time*, ??(??):??, June 18, 1934. CODEN TYMEA9. ISSN 0040-781x (print), 2169-1665 (electronic). URL <http://www.time.com/time/magazine/article/0,9171,747508,00.html>. News story on the possible discovery of the first transuranic element, later known as neptunium (atomic symbol Np).

Anonymous:1938:PEF

- [Ano38a] Anonymous. Prof. Enrico Fermi. *Nature*, 142(3603):906–907, November 19, 1938. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v142/n3603/pdf/142906c0.pdf>.

Anonymous:1938:SNM

- [Ano38b] Anonymous. Science: Neutron man. *Time*, ??(??):??, November 21, 1938. CODEN TYMEA9. ISSN 0040-781x (print), 2169-1665 (electronic). URL <http://www.time.com/time/magazine/>

article/0,9171,760318,00.html. News of the award of the 1938 Nobel Prize for Physics to Enrico Fermi.

Anonymous:1939:EFU

- [Ano39a] Anonymous. 6 elements found in uranium atom: Physicists bare discovery of greatest amount of energy liberated thus far: Report widely hailed: Professors Bohr and Fermi, at Columbia meeting, tell of atomic ‘cannon ball’. *New York Times*, ??(?): 17, February 25, 1939. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <http://search.proquest.com/hnpnewyorktimes/docview/102952660/>.

Anonymous:1939:AEF

- [Ano39b] Anonymous. Atom explosion frees 200,000,000 volts; new physics phenomenon credited to Hahn. *New York Times*, ??(?):2, January 29, 1939. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <http://search.proquest.com/hnpnewyorktimes/docview/102763891>. From the article: “American scientists heard today of a new phenomenon in physics — explosion of atoms with a discharge of 200,000,000 volts of energy. . . . Dr. Enrico Fermi of the University of Rome told yesterday that this had been accomplished by Dr. G. [sic] Hahn of Berlin. . . . Scientists at the meeting said the discovery was comparable in significance to the original discovery of radioactivity thirty years ago.”

Anonymous:1939:AER

- [Ano39c] Anonymous. Atomic energy released. *The Science News-Letter*, 35(6):??, February 11, 1939. CODEN SNLEAI. ISSN 0096-4018 (print), 2326-1285 (electronic). URL http://www.sciencenews.org/view/feature/id/199036/title/Atomic_Energy_Released. According to [BHT86, page 212, column 1], this news story “appears to be the first connection between fission and the possibility of explosives made in print.” Flügge’s scientific article on that topic in *Naturwissenschaften* [Flü39] did appear until June 1939.

Anonymous:1939:VEF

- [Ano39d] Anonymous. Vast energy freed by uranium atom: Split, it produces 2 ‘cannonballs’, each of 100,000,000 electron volts: Hailed as epoch making; new process, announced at Columbia, uses only 1–30 volt to liberate big force. *New York Times*, ??(?): 18, January 31, 1939. CODEN NYTIAO. ISSN 0362-4331

(print), 1542-667X, 1553-8095. URL <http://search.proquest.com/hnpnewyorktimes/docview/102759255/>.

Anonymous:1941:MMU

- [Ano41a] Anonymous. Minutes of the meeting of the Uranium Advisory Committee of the National Academy on Atomic Fission at Schenectady on October 21, 1941. Report, US National Academy of Sciences, Washington, DC, USA, 1941.

Anonymous:1941:RNA

- [Ano41b] Anonymous. Report of the National Academy of Sciences Committee on Atomic Fission. Report, US National Academy of Sciences, Washington, DC, USA, July 11, 1941.

Anomalous:1946:ZWF

- [Ano46a] Anomalous. Zip out: World's first uranium pile. *Time*, 48(??): 67-??, December 9, 1946. CODEN TYMEA9. ISSN 0040-781x (print), 2169-1665 (electronic).

Anonymous:1946:SZ

- [Ano46b] Anonymous. Science: Zip out. *Time*, ??(??):??, December 9, 1946. CODEN TYMEA9. ISSN 0040-781x (print), 2169-1665 (electronic). URL <http://www.time.com/time/magazine/article/0,9171,793263,00.html>. News story of the first successful controlled nuclear reaction in Chicago under the direction of Enrico Fermi on 2 December 1942.

Anonymous:1947:EFH

- [Ano47] Anonymous. Enrico Fermi, head-and-shoulders portrait, facing front, 1947. URL <http://hdl.loc.gov/loc.pnp/cph.3c22125>.

Anonymous:1949:GIT

- [Ano49] Anonymous. The great inquiry: Testimony at AEC hearings. *Bulletin of the Atomic Scientists*, 5(8-9):221-250, 254, August/September 1949. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). This report is a condensation of the 2000-page transcript.

Anonymous:1950:GBM

- [Ano50a] Anonymous. Great Britain: Missing fissionist. *Time*, ??(??):??, November 6, 1950. CODEN TYMEA9. ISSN 0040-781x (print),

2169-1665 (electronic). URL http://en.wikipedia.org/wiki/Bruno_Pontecorvo; <http://www.time.com/time/magazine/article/0,9171,813688,00.html>. News story of the disappearance on 31 August 1950 of Enrico Fermi's former student, Bruno Pontecorvo. Several months later, Pontecorvo appeared publicly in the USSR.

Anonymous:1950:NFA

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He also told a story of Leo Szilard’s quirky behavior.

“At Chicago, Fermi used to give weekly lectures on Thursday evenings. Outside the lecture hall there was a sign up sheet, on a yellow legal pad. Szilard, who I think wasn’t sure we were going to win the war, refused to put his name on the sign up sheet, so Fermi had him listen to the lectures from the hallway, through an open door.”.

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Fermi:1928:SMB

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