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

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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. Termaufspaltung 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].

Bethe:1929:DKD

[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.

Bethe:1930:NBP

[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

[Bet30c] Hans A. Bethe. Zur Theorie des Zeemaneffektes an den Salzen der seltenen Erden. (German) [Theory of the Zeeman effect in the salts of rare earth]. *Zeitschrift für Physik*, 60(??):218–233, ???? 1930. CODEN ZEPYAA. ISSN 0044-3328.

Bethe:1931:CRM

[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 elections 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 ????

Bethe:1933:QGQ

[Bet33c] Hans Bethe. Quantentheorie. (German) [Quantum theory]. In Adolf Gustav Smekal, editor, *Handbuch der Physik*, volume 24-1, pages ix + 853. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1933. LCCN ????

Bethe:1933:TFG

[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.

Bethe:1934:QBE

[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).

Bethe:1934:KTS

[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`.

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`.

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.

Bethe:1935:MCR

[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`.

Bethe:1936:NRM

[Bet36b] H. A. Bethe. Nuclear radius and many-body problem. *Physical Review*, 50(11):977–979, December 1, 1936. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL `http://prola.aps.org/abstract/PR/v50/i11/p977_1`.

Bethe:1937:NPB

[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`.

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`.

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`.

Bethe:1938:MML

[Bet38c] H. A. Bethe. Magnetic moment of Li^7 in the α-particle model. *Physical Review*, 53(10):842, May 15, 1938. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL `http://prola.aps.org/abstract/PR/v53/i10/p842_1`.

Bethe:1938:MTL

[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`.

Bethe:1938:OPP

[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.

Bethe:1938:ODA

[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.

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.

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. 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.

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.

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.

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.

Bethe:1942:EPS

[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`. 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`.

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

[Bet47a] H. A. Bethe. The electromagnetic shift of energy levels. *Physical Review*, 72(4):339–341, August 15, 1947. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL `http://prola.aps.org/abstract/PR/v72/i4/p339_1`.

Bethe:1947:ENT

[Bet47b] Hans A. (Hans Albrecht) Bethe. *Elementary Nuclear Theory: a Short Course on Selected Topics*. Wiley, New York, NY, USA, 1947. vi + 147 pp. LCCN QC173 .B48 1947. URL `https://archive.org/details/Bethe-ElementaryNuclearTheory`. Given at the Research Laboratory of the General Electric Company at Schenectady.

Bethe:1948:BWE

[Bet48] Hans A. Bethe. Bemerkungen über die Wasserstoff-Eigenfunktionen in der Diracschen Theorie. (German) [Remarks concerning the hydrogen eigenfunctions in Dirac's theory.]. *Zeitschrift für Naturforschung*, 3A(??):470–477, ???? 1948. CODEN ZNTFA2. ISSN 0372-9516.

Bethe:1949:TER

[Bet49a] H. A. Bethe. Theory of the effective range in nuclear scattering. *Physical Review*, 76(1):38–50, July 1, 1949. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL `http://prola.aps.org/abstract/PR/v76/i1/p38_1`.

Bethe:1949:NDL

[Bet49b] Hans A. (Hans Albrecht) Bethe. Neutron diffusion at large distances from the source. Technical Report AECD 2105, U.S. Atomic Energy Commission, Technical Information Branch, Oak Ridge, TN, USA, 1949. 15 pp. URL `http://catalog.hathitrust.org/Record/011571709`; `http://pi.lib.uchicago.edu/1001/cat/bib/ocn702212666`. Declassified 9 July 1948.

Bethe:1949:PAN

[Bet49c] Hans A. (Hans Albrecht) Bethe. The properties of atomic nuclei. II. Range-energy curves, alpha-particles, protons, and mesons. Technical Report BNL-T-7 and AECU 374, Brookhaven National Laboratory, Upton, NY, USA, June 1, 1949. 25 pp. URL `http://hdl.handle.net/2027/mdp.39015086572024`; `http://pi.lib.uchicago.edu/1001/cat/bib/ocm25358007`.

Bethe:1949:STC

[Bet49d] Hans A. (Hans Albrecht) Bethe. *Splitting of terms in crystals*. Consultants Bureau, New York, NY, USA, 1949. 69 pp. LCCN QD339 .B4.

Bethe:1949:REC

[Bet49e] Hans Albrecht Bethe. Range–energy curves. Report, Brookhaven National Laboratory, Upton, NY, USA, 1949. 13 pp.

Bethe:1950:RER

[Bet50a] H. A. Bethe. The range–energy relation for slow alpha-particles and protons in air. *Reviews of Modern Physics*, 22 (2):213–219, April 1, 1950. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL `http://link.aps.org/doi/10.1103/RevModPhys.22.213`; `http://rmp.aps.org/abstract/RMP/v22/i2/p213_1`.

Bethe:1950:HBb

[Bet50b] Hans A. Bethe. The H bomb. In Eliot [Eli50], page ?? LCCN UF767 .H2. Introduction by Albert Einstein and commentary by George Fielding Eliot.

Bethe:1950:HBa

[Bet50c] Hans A. Bethe. The hydrogen bomb. *Bulletin of the Atomic Scientists*, 6(4):99–104, 125, April 1950. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic). Reprinted in [Bet63a].

Bethe:1950:HBI

[Bet50d] Hans A. Bethe. The hydrogen bomb: II. *Scientific American*, 182(4):18–23, April 1950. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL `http://www.nature.com/scientificamerican/journal/v182/n4/pdf/scientificamerican0450-18.pdf`. See also Parts I [Rid50] and III [Bac50]. See [Hol03] for a comment about the delay in publishing this paper, due to confiscation by the Atomic Energy Commission of the printing plates.

Bethe:1950:TEM

[Bet50e] Hans A. Bethe. Theoretical estimate of maximum possible nuclear explosion. Report KAPL-294, US Atomic Energy Commission, Washington, DC, USA, January 31, 1950. URL `http://www.osti.gov/accomplishments/documents/fullText/ACC0100.pdf`. Declassified 22 February 1975.

Bethe:1950:STC

[Bet50f] Hans A. (Hans Albrecht) Bethe. *Splitting of terms in crystals*. Consultants Bureau, New York, NY, USA, 1950. 69 pp. LCCN QC174.2 .B5621; QD939.B56. URL http://pi.lib.uchicago.edu/1001/cat/bib/797721. English translation of [Bet29b].

Bethe:1951:TAC

[Bet51] Hans A. Bethe. Theory of atomic collisions. *Nature*, 167(4240): 165, February 3, 1951. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v167/n4240/pdf/167165a0.pdf.

Bethe:1952:MHT

[Bet52a] Hans A. Bethe. Memorandum on the history of thermonuclear program. Assembled by Chuck Hansen, editor of *Swords of Armageddon*, May 28, 1952. URL http://www.fas.org/nuke/guide/usa/nuclear/bethe-52.htm.

Albrecht:1952:RTN

[Bet52b] Hans A. (Hans Albrecht) Bethe. The reciprocity theorem in neutron scattering. Report LA-1428, U.S. Atomic Energy Commission, Technical Information Service, Oak Ridge, TN, USA, June 20, 1952. 18 pp. URL http://pi.lib.uchicago.edu/1001/cat/bib/ocn771930833.

Bethe:1953:MTM

[Bet53a] H. A. Bethe. Molière's theory of multiple scattering. *Physical Review*, 89(6):1256–1266, March 15, 1953. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v89/i6/p1256_1.

Bethe:1953:SPS

[Bet53b] H. A. Bethe. The sign of the phase shifts in meson–nucleon scattering. *Physical Review*, 90(5):994–995, June 1, 1953. CODEN PHRVAO. ISSN 0031-899X (print), 1536-6065 (electronic). URL http://prola.aps.org/abstract/PR/v90/i5/p994_2.

Bethe:1953:WHN

[Bet53c] Hans A. Bethe. What holds the nucleus together? *Scientific American*, 189(3):56–63, September 1953. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL http://www.nature.com/scientificamerican/journal/v189/n3/pdf/scientificamerican0953-58.pdf.

Bethe:1953:HEP

[Bet53d] Hans A. (Hans Albrecht) Bethe. High energy phenomena. Technical report, Los Alamos Scientific Laboratory, Los Alamos, NM, USA, January 8, 1953. 100 pp. A course of lectures given at Los Alamos in the spring and summer of 1952, concerning phenomena involving particles with energy in the range of hundreds of MeV. Main emphasis is placed on the properties of π-mesons and on a relativistic treatment of the nucleon-nucleon interaction.

Bethe:1954:MNFb

[Bet54a] H. A. Bethe. Mesons and nuclear forces. *Journal of the Washington Academy of Sciences*, 44(4):97–105, April 1954. CODEN JWASA3. ISSN 0043-0439. URL `http://www.washacadsci.org/Journal/journalscans/v.44-n.4.pdf`.

Bethe:1954:BRB

[Bet54b] Hans A. Bethe. Book review: *Methods of Mathematical Physics*, Vol. I. Trans. from 2nd German ed. R. Courant and D. Hilbert. New York-London: Interscience, 1953. 561 pp. $9.50. *Science*, 119 (3080):75–76, January 8, 1954. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL `http://www.sciencemag.org/content/119/3080/75.full.pdf`.

Bethe:1954:MNFa

[Bet54c] Hans A. Bethe. Mesons and nuclear forces. *Physics Today*, 7 (2):5–11, February 1954. CODEN PHTOAD. ISSN 0031-9228 (print), 1945-0699 (electronic). URL `http://link.aip.org/link/phtoad/v7/i2/p5/s1`.

Bethe:1954:NAB

[Bet54d] Hans A. Bethe. Negotiations and atomic bombs. *Bulletin of the Atomic Scientists*, 10(1):9–10, January 1954. CODEN BASIAP. ISSN 0096-3402 (print), 1938-3282 (electronic).

Bethe:1954:ODH

[Bet54e] Hans A. Bethe. Observations on the development of the H-bomb. Unpublished Los Alamos text. Finally printed, with slight edits, in [Bet82f]., 1954.

Bethe:1955:MJS

[Bet55a] H. Bethe. Mezony i jadernye sily. (Russian) [Mesons and nuclear forces]. *Uspekhi Fizicheskikh Nauk*, 56(6):149–166, June 1955. CODEN UFNAAG. ISSN 0042-1294 (print), 1996-6652 (electronic).

URL http://ufn.ru/ru/articles/1955/6/a/. Translation of [Bet54a].

Bethe:1955:PSA

[Bet55b] H. A. Bethe. Phase-shift analysis of pion-proton scattering. In Bellamy and Moorehouse [BM55], pages 265–267. LCCN ????

Bethe:1955:MSH

[Bet55c] Hans A. Bethe. Memorial Symposium Held in Honor of Enrico Fermi at the Washington Meeting of the American Physical Society, April 29, 1955. *Reviews of Modern Physics*, 27(3):249, July 1, 1955. CODEN RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL http://link.aps.org/doi/10.1103/RevModPhys.27.249; http://rmp.aps.org/abstract/RMP/v27/i3/p249_1.

Bethe:1955:PPM

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