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]. $15M_{\rm sun}$ [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]. ^{12} [HB40]. ^{15} [HB40]. ^{27} [BH39]. ^{7} [Bet38c]. $^{\circ}$ [Bet42a]. $_{1-x}$ [BB76]. $_{2}$ [BS37, SBR+86]. $_{3}$ [BB76, BS37]. $_{4}$ [BS37]. $_{x}$ [BB76]. A_{n-1} [HSY04]. α [Bet38c, HB40]. $\alpha\beta\gamma$ [AWCT09, Tur08]. δ [YLGC02]. $\Delta = -1/2$ [dGBNM02]. $E_{\tau,\eta}(A_2^{(2)})$ [MN07]. f [FBE+34]. **$\mathbf{h}$** [Bet81e]. J [AAHS99]. $J = 0$ [FT75]. K^- [Bet70b]. λ_l [CWL+04]. **osp**(1|2) [KM01]. N [CWL+04, WG68, BA52]. O(4) [AS70]. O(5) [BB70, BB71]. p [BA52]. $P_\mu = 0$ [Flo76]. π [Bet55d, CB60]. π^+ [BA52]. r [App88, CFR82, Skr07, Skr09]. s [Ong86, Ong88]. SL(N) [Sco94]. SO(5) [Flo76]. SU(4) [YLGC02]. SU(n) [LYS01]. t [AAHS99]. $\times$ [Sch67b, Sch67a]. XXZ [LFK99]. Z [HB51a, Por03].

-decay [FBE+34]. **-Dependence** [HB51a]. **-field** [CFR82]. **-function** [YLGC02]. **-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+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+03].

2005 [BL09, Dre07, Gib05, LB07]. **2009** [ACM09]. **20th** [APB96, ABP98]. **22** [CCJ+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+69]. **Abnormal** [BB71, BB70]. **Absence**

[RB39]. **absolute** [CSB+31]. **Absorption** [BS37, KMB57, LB62, WLB36, BBD+95]. **Absorptive** [NR66]. **Academy** [WH72]. **Accelerator** [JLBF66, SSB+98]. **Accelerators** [Bet97a]. **acceptance** [Bet93e]. **Accident** [SB86, SBR+86]. **Accidental** [BB69]. **Accretion** [BLB00]. **accuse** [AA54]. **ACM** [ACM09, Blu87]. **Acoustic** [Gur01]. **acoustics** [Gur01]. **Addenda** [IIT78]. **Address** [Bet77b]. **Administration** [ABB+80]. **Administrators** [STS+49]. **Advanced** [RS82]. **Advection** [BLB00]. **Advisers** [BB86]. **Advisors** [Edg91, Yor89]. **Advisory** [GBG+86]. **AEC** [Bet63b]. **AEI** [Bet75a]. **Affairs** [BBG+85a, GR63]. **affine** [AAHS99]. **Affinity** [Bet29a]. **Affirm** [ACU+54, BC00]. **Again** [Rai85]. **Against** [Bet84b]. **Age** [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, Mar08, Rig06, Rig07]. **Alternative** [BAA+75, Gir75]. **Always** [Bet67e]. **Amateur** [Har01]. **amazing** [Tur08]. **America** [Hen94]. **American** [Bet55c, Bet75e, Bet93e, WH72, BBM78, Bet63a, Bet82e, Bet99a, Bof76, CHW91, EBU+52, LBC+75, Ros93, McC20]. **Americans** [ABB+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+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+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+11, DRS+54, SG73, WF11, BW87, Frü03, HM83]. **April** [Bet55c, Bet93e, Bet97b, HPA97]. **Arbeiten** [Hou30]. **arbitrary** [Bet43b, Bet98a, Lai74]. **Argentine** [ABB+77]. **Armor** [BW39]. **Arms**

[Bet82a, Bet8xa, BKD82, Bet83b, Bet69a]. **Army** [Bet98a, BS47, Gou47]. **Arnold** [Ano38, Sch67b, PS69, Sch67b]. **arsenals** [Bet89c]. **art** [KMN+96]. **Arthur** [Duf46]. **Article** [Bof76, McC20]. **Articles** [For87, GR63, BBL86]. **Arts** [WH72]. **Ascent** [Bro73a]. **assesses** [Bet86c]. **Assessing** [BG82a]. **Assignment** [BH39]. **Assistant** [Kil77]. **associated** [HSY04]. **Association** [Bet93e, Ros93]. **assumptions** [Dud76]. **astounding** [Haw11]. **Astronomers** [Huf81, WGO+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** [Ano95, Bet51, Bet54d, Bet62a, Bet77e, CP50, Duf46, FR13, Gas93, GR63, Pal00, PS69, STS+49, WM15, Bet31b, Bet49c, Bet91j, BGP+93, Bet94a, CCJ+34, Hou30, Jun58, Jun82, LW71, MW46, MW07, Opp46, She75, Van03, Edg91]. **atomiques** [CCJ+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+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+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+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+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+04, CCG+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, KMGT97, 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]. **Betrt** [BW87]. **Better** [Bet89d]. **Between** [SBB+97, Stu18, BDSB94, MIT06, dHMAB54]. **Beugung** [Bet28a]. **Bewußtseinswandel** [vW88, vW91]. **Big** [Hil15]. **Biggest** [OM18]. **Binaries** [BB99, BLB99, BLZB01, BHL+01, BBL07]. **Binary** [BB98]. **Binding** [Bet38a, Bet91a, DSB91]. **Biographies** [Wal15a, Wal15b]. **Biography** [Bet93a, Bet98b, Sch96, Sch14b, KMN+96]. **Bird** [Pei85]. **Birth** [Hil15]. **Birthday** [HBD71, KRW05, Wri10, BCSF82, DS88, Gol68, Hof96, MB66]. **bis** [HH14]. **Black** [Bet94d, BB99, BBL06, BB94a, BB94b, BLB99, BLW+00b, BHL+01, BLB01, BBL03]. **Black-Holes** [BB94a, BB94b]. **Blackwood** [Dow82, Dow83]. **Blaker** [Mer68]. **Blast** [BFvN+44, BFH+47, Sul75, PPvNF44]. **Bloch** [Por97, Por98, Por99, Por03, Por04a, Por04b]. **Blocks** [SSB+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+50, Ano93, Bac50, BBSS50, B+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+49, TB82, WM15, Ano50, Bet50b, Bet91h, BGP+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+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+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+03, KS87]. **Brown** [Bet98b, Har07, RS08, Lee11]. **Brueckner** [Bet56c, Bet63c, Bro71]. **Brussels** [CCJ+34]. **Bruxelles** [CCJ+34]. **BS** [AS70]. **Buchbesprechung** [Sch67b]. **Build** [Bet93a, GB89]. **Building** [SSB+99b]. **bulk** [OBxx, Rabxx]. **Bulletin** [GR63, BFG+85]. **Bursts** [BLW+00a, MWBB02, BLW+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+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]. **Centaury** [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+04, LFK99, Sco94, dGBNM02]. **chairman** [BBG+85a]. **Chandrasekhar** [BS83, Bet05b]. **Chang** [Har07, RS08]. **Chang-Hwan** [Har07, RS08]. **Change** [Bet31a, Bet75d, vW88, vW91]. **Charge** [BE68]. **Charged** [Ino71, IIT78]. **Charles** [Bet78a, Hol03].

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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+50]. **Faith** [ACU+54]. **Farm** [Bet93b, Ber96b]. **FAS** [Ano12a]. **Fascell** [BBG+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+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** [YLGC02]. **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, Kut05b, Kut05a, Ler71, Pei57, BJ77, CFR82, SB53, SB67d]. **Fields** [Bet29c, Bet31a, Dys55, Dys56, Jeh56, Pei57, SSB+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+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+46]. **five** [Ano85a, LW71]. **fizike** [BDH70]. **flare** [BG91a]. **Flow** [BLB00]. **Fluctuation** [Ler71]. **Fluxes** [SBB+97, SSB+97b]. **Fly** [Bro01]. **Focus** [Bar08]. **Focuses** [Ken54]. **focusing** [Rig06]. **Foes** [Bof76]. **fonction** [Gau83]. **Force** [BBD+96]. **Forces** [Bet39b, Bet40b, Bet40c, BL50, Bet54a, Bet55a, Hod13, Hub14, Kra13, Low13, Nav14, Wal15a, Wal15b, Bet54c, Sch12]. **Foreign** [BBG+85a]. **Foreword** [Bet75b, Bet76d, Bet01c, Bro88b, Duf46, Edg91]. **Forget** [BBL06]. **Form** [ROB63, Ong86]. **Formal** [Bas71, Bet43b, Sat63]. **Formalism**

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I. [Rabxx]. **i.e** [HPA97]. **IEF** [Rig07]. **Ignition** [Bre53, KMT46]. **II** [Dys55, BBB$^+$87, Ber79b, Bet40c, BS47, Bet49c, BL50, Bet50d, BA53, BdH55, BBC56b, Bet67a, BYB82, BL88, DBM54, DHB$^+$06, HHD73, KHM98, Per84b, Rig07, SB53, Yan13, vW38b]. **III** [Bac50, Ber79c, BBC57a]. **Ill** [Pei57]. **illus** [Gol68, Wal15a, Wal15b]. **illustrative** [Cab78]. **Illustrious** [Fer68, Fer71]. **im** [Bet29d, SB67d]. **immigrants** [Fer68, Fer71]. **Immobilized** [Rig07]. **impact** [BKD82, LW71]. **imperative** [Bet85c]. **Imperial** [Tho99]. **Imply** [BB93]. **Imprisoned** [ABB$^+$77]. **Improved** [RJ10]. **Incomparable** [Sch05a]. **Incorrect** [BH39]. **Independence** [Bet82c]. **Independent** [CCG$^+$11]. **index** [Wal15a, Wal15b]. **Indian** [Bey80]. **Individual** [Cle48]. **Industrial** [Hil15, Usd09]. **Industrial-Scale** [Usd09]. **Inelastic** [BBC56a, BBC56b, BBC57a, BBC57b, Ino71, IIT78, RYBB73]. **Inferior** [Bet82j, Bet83c]. **Inferiority** [Bet82e]. **infinite** [NB68, Ong86]. **Influence** [Bet34a, Bet97a]. **influential** [Har10]. **Informatics** [Blu87]. **Ingoing** [BB54]. **Inhomogeneous** [KZJ02]. **initiative** [Ano85a, Bet76g, Bet8xb, SAB$^+$8x]. **Innern** [vW38a, vW38b]. **Innocence** [Stu18]. **Insight** [Bet91b, Wei91]. **institut** [CCJ$^+$34]. **Institute** [CCJ$^+$34, RS82, WH72, Bet85a]. **Institution** [HPA97]. **integrable** [Jur89, Skr07, Skr09]. **Integral** [DB52, DBM54, DSB56]. **intellectual** [Fer68, Fer71]. **Intense** [SBB$^+$97, SSB$^+$97b]. **Intensity** [Ler71]. **Interaction** [Bet73b, CB60, MJBA75, BF32, BF33, Fun81, Lai74, YLGC02]. **Interactions** [BDSB94, CB60, SSB$^+$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+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, Hub14, Nav14, Tho99, Wal15a, Wal15b]. **Ising** [Aui02, BG91b, WF11]. **isoelectric** [Rig06]. **Issue** [Bet99a, Got05]. **Issues** [Sal05]. **Istochniki** [Bet68c]. **Ithaca** [Ano37]. **IV** [BBC57b, BBH+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]. **lekcii** [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+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+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+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+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+97c, BTH50b, BTH50c]. **Meet** [PS69]. **Meeting** [Bet55c, CCJ+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]. **Merely** [Ber01]. **Merge** [BB98]. **Mergers** [BB99]. **merging** [BBL07]. **Meson** [BB51, BM55, Bet39b, Bet40b, Bet40c, BN40, Bet46a, BW51, Bet53b, BdH54a, BdH54b, DRS+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+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+34, Sch67a, SB33, SB53, SB67e, SB34, Sch67b]. **métaux** [NBP+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, Hil15]. **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, 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+96, SBB+97, SSB+97b, SSB+97c, SBDB94, SBDB95, Jur89, PcPZ90, Wie81]. **Nonstatic** [BM71, BM72]. **Nonuniform** [SSB+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+34]. **Nuclear** [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+75, Bet76b, Bet76g, Bet77a, Bet77d, Bet77e, Bet80b, Bet82e, BT82, Bet83b, BBCW83, BMG87, Bet88c, Bet90d, Bet91f, BGM91a, BGM91b, Bet93f, BGS95b, BGS95a, Bet97a, Bet98c, Bet99c, BCC+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, Bet91j]. **nuclear** [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, SSBB75, Bet49c, BTH50b, BTH50c, BG57, CCJ+34, Lee11, MR85]. **Nucleon** [Bet53b, CB60, DRS+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]. **Nullpunktstemperatur** [BBR31]. **Number** [Bet36a, Bet94d, BB94a, BB94b]. **Numbers** [Ben38, CWL+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+34, KMP98]. **octobre** [CCJ+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+85a]. **opened** [MR85]. **Opening** [Sch00a]. **operators** [KM01]. **Oppenheimer** [Aft02, Bet67d, Bet97b, Edg91, Fra01, Lan00, Olw01, RB67a, Sar01, Sei01, ACU+54, Ano50, Bet38e, Bet63b, Bet67e, BSK67, Bet68f, Bet91e, Bro82, Goo80, Goo81, Ken54, KW69, MS15, OBxx, PC06, Sch00b, Yor89]. **Oppie**

[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+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** [Wal15a, Wal15b]. **Pandora** [Van03]. **Panel** [SBR+86, Bet86c, Ham73]. **paper** [FBB14, Tur08]. **paperback** [Edg91]. **Papers** [Ano00a, Bet95b, Hen94, Sch58, Sch03, BBL03, Blu87, DP97, Haw11, OBxx, Rabxx, Tho99, Yan13]. **Paramagnetic** [Van32]. **Parameters** [Por98, Por97, Por99, Por03, Por04b]. **Part** [AK10, Gur01, WGO+91, Bet40c, BA53, BBC56a, BBC56b, BBC57a, BBC57b, Bet70c, KMB57, Rig06, Rig07]. **Partial** [Fle73]. **Participating** [Ano50]. **Particle** [Bet38c, Aui02, MHFW72, Saz87]. **Particles** [BH34, Bet50a, Bet59, Bet73b, Gün64, Ino71, Ros66, Bet49c, BV75, IIT78, PcPZ90]. **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+96]. **Pb** [BS68]. **Peace** [Ano92a, GG05, Ano85a, Ano92b]. **peers** [Fri99]. **Peierls** [AP77, Cab78, DS88, Tho99, Wal15a, Wal15b, Bet88a, BGM91b, DP97, Lee07, Lee09]. **Penetration** [BFK49, BTH50a, BTH50b, BTH50c]. **People** [Ano05c, Tel55]. **Percentages** [DF79, MYZ67]. **Percolation** [BSS05]. **periodic** [MIT06, SB53, SB67d]. **periodischen** [SB67d]. **Periphery** [Bet70b]. **Personal** [Ber01, Bet91j, Jun58, Jun82]. **Perspective** [GSB+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** [Bet53b, BdH54a, BdH54b, Bet55b, Run67, dHMAB54, BB76, Cab78]. **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+75, FT70, HBD71]. **Physicist** [Bet81c, Hod13, Hub14, Iri06, Kra13, Low13, Nav14, Pei85, Wal15a, Wal15b,

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[BM54, DB52, DBM54, HB51a, HB40, MB52, Bet43b, BW87]. **Sections** [BBC56a, BBC56b, BBC57a, BBC57b, HB51b, ML83]. **sector** [Nak71]. **Secure** [SBR+86, MB85]. **Security** [BG83a, Ken54]. **seinem** [KRW05]. **Seiten** [Sch78, Sch67b, Sch67a]. **Select** [ABB+80, SBR+86]. **Selected** [Bet47b, Bet97e, DP97, Sch58, Sch03, Yan13, BBL03, Lee09, Réd05, Got98, Tho99]. **Selection** [ABP98, Bet95b, CTSOS99, APB96]. **Selective** [GT38, WLB36]. **Self** [JB78]. **Self-Consistency** [JB78]. **seltenen** [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+34]. **Serial** [Bet98a]. **Series** [BCC+46]. **Service** [Sch68]. **Set** [CTSOS99]. **Sets** [CCG+11]. **Seventeenth** [Sch68]. **Seventh** [CCJ+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]. **Shielding** [BW39]. **Shift** [BBF53, Bet47a, BBS50, BdH54a, BdH54b, dHMAB54, Bet55b, BJMK92]. **Shifted** [MWBB02]. **Shifts** [Bet53b]. **Shine** [Bar08]. **Shock** [BT41, BFvN+44, BT45, BT51a, BT53, BAB80, BW85, Bet90c, Bet93g, Bet95e, Bet96a, Bet96b, Bet96c, Bet97d, CBB84, PPvNF44, SSBB75, 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+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+04, MIT06, Nak71, Zum75]. **Solvable** [ZLGM03, Eva84]. **Solvay** [CCJ+34, CCJ+34]. **Solving** [Mai03, Mai04]. **Some** [Cle48, HLB37, NS15]. **Sommerfeld** [Sch67b, Sch67a, Ano38, Bet00c, PS69]. **Sooner** [STS+49]. **Sound**

[KW69, Bet81e]. **source** [Bet49b, Kra16, Men27]. **Sources** [KHFA67, MB41, Bet68c]. **sous** [CCJ+34]. **Soviet** [Bet94a, Bet60c, SBR+86, STS+49, WG17]. **Soviets** [Bet61, Bet82j, Bet83c, Cor12]. **Space** [Bet84a, BGGK84, BG85, BGGK12, Sae67, BG83b, GSB+83]. **Space-Based** [BGGK84, BGGK12]. **Speak** [BAA+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+84, MJB75, BGG+85a, BGG+85b, Cor12, YB85]. **Stardust** [WGO+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+03, KS87, MJB75, MA06, SB51, BJ76, Bet98a, BM05, Blu88, Bro88a, Mai03, Mai04, MB82, Ray97, ABB+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+73]. **Stimulated** [SSB+97a]. **STOC** [ACM09]. **Stony** [GSS+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+97c]. **Structure** [Ano37, BL49, CCJ+34, Huf06, LR47, Hei34, HM83, CCJ+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+80]. **Sum** [CTSOS99]. **Sums** [MYZ67]. **Sun** [Bet66a, Bet95a, BLMB41, HHW99, Bet94f]. **suns** [Jun58, Jun82, Bet58a]. **Super** [Bet93j, SSB+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+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+03]. **Symposium** [ACM09, Bet55c, CC73, GSS+03, HPA97, HH14, KS87, AP77, DS88, KMN+96, Stu79, Ano37, Sch00a]. **Synchrotron** [CB48b]. **Syndrome** [DeN76]. **Synthesis** [BBFH57, Hoy54, Hoy46]. **System** [Kea68, Kra17, Wil73, AS70, CWB+69, HSY04, MIT06, MP91]. **Systems** [Bro71, GB68, PB73, Kea71, Skr07, Skr09]. **Szilard** [Bet93a, Bet93a, SBSW60].

Tabelle [HH14]. **Take** [Huf81]. **Talk** [Bre53, Bri95a]. **Tamm** [DRS+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]. **Technologies** [BBG85b, BG85]. **Technology** [Bet82i, Bet84b, LW71, Kil77]. **telecast** [Ano50]. **Teller** [Bet01b, Edg91, Bet01b, Bro82, Har10, RB02, Yor89]. **Temperature** [BLMB41, Aui02, BBR31, CSB+31]. **Temperature-Density** [BLMB41]. **tenable** [Dud76]. **Tennessee** [Bec67]. **Tensor** [SB61]. **tenu** [CCJ+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+85a, BMG87, MWBB02, BT61]. **Their** [EBU+52, HHW99, 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+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+00a, Bro05b, Bro06a, CJK92, DBM54, Fer32, Ino71, 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+03, CSB+31, DSB56, Fur85, HBE87, Hou30, IIT78, NBP+34, Por03, Sch32, Sch34, Sch67b, Sch67a, SB33, SB34, SB53, SB67e, vW35, Bet28a, Bet30c, Bet33d]. **Theory** [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, HB69]. **times** [Bet79a]. **TiO** [BB76]. **titan** [Bra05]. **Tm** [BS37]. **Today** [RMR+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+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+87, BYB82].

U [Bet98a, Hod13]. **U.S** [BBG+85a, Sch68]. **U.S.** [Bet86c, SBR+86]. **Ultimate** [Bet76h, Dud75]. **Underground** [All59]. **Unequal** [Bre75]. **Unified** [KS87]. **Union** [Bet94a]. **United** [Hol84]. **Universe** [SSB+99b, Dys79, Bet79a]. **University** [Ano37, DS88, Edg91, Fra01, GSS+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+82]. **Use** [ABB+50, HM83]. **Usefulness** [SB61]. **Using** [CCG+11, PR97].

v [Bet70a, BDH70]. **V.** [dSFvLH66]. **Validity** [Fun81]. **Value** [BL49, BBS50, BL82]. **values** [Por04b]. **Vannevar** [Ano85b]. **Vanunu** [AAB+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+52, HBD71]. **viii** [Nav14, Tho99, Wal15a, Wal15b, Bet97d]. **Viki** [Bet93d]. **Visa** [EBU+52]. **Voice** [BBH+73]. **Vol** [Bet54b, Dys56, Pei57, Pei57]. **Volterra** [FV86]. **Volume** [CJK92, Dys55, Jeh56, FK85, MKR87]. **vom** [HH14]. **Vorstudien** [Sch32]. **vs** [Bet69b].

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x [Duf46, BFK49, BN68a, BLB99, BHL+01, BLB01, CJK92, HM83]. **X-Ray** [BHL+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].

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[BdH55] Hans A. (Hans Albrecht) Bethe and F. (Frederic) de Hoffmann. *Mesons and fields. II. Mesons*, volume 2. Row, Peterson, Evanston, IL, USA, 1955. xiii + 446 pp. LCCN QC173 .S288.

Bethe:1970:ZVF

[BDH70] H. A. Bethe, P. A. M. Dirac, and V. Heisenberg. Zhizn' v fizike. Vechernie lekcii v Trieste. (Russian) [Life in physics: Evening lectures at Trieste]. *Uspekhi Fizicheskikh Nauk*, 102(10):279–312, October 1970. CODEN UFNAAG. ISSN 0042-1294 (print), 1996-6652 (electronic). URL `http://ufn.ru/ru/articles/1970/10/f/`. From a Life of Physics, Evening Lectures the International Centre of Theoretical Physics in Trieste, Vienna, IAIA, 1969 [BDH$^+$89]. Translated by V. K. Ignatovich.

Bethe:1989:LP

[BDH$^+$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 PAPCAA. 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].

Bernstein:1979:PMTa

[Ber79a] Jeremy Bernstein. Profiles: Master of the trade — I. *The New Yorker*, 55(??):50–??, December 3, 1979. CODEN ???? ISSN 0028-792X. URL `http://www.newyorker.com/archive/1979/12/03/1979_12_03_050_TNY_CARDS_000330752`.

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`.

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`.

Bernstein:1980:HBP

[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.

Bernstein:2010:JNK

[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. 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.

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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).

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, Wash-

ington, 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

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