

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

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <https://www.math.utah.edu/~beebe/>

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## Title word cross-reference

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

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

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

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

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

**3** [Bet91b].

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

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

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

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

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

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

= [Uns00, Wei95].

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

[RB39]. **absolute** [CSB<sup>+</sup>31]. **Absorption** [BS37, KMB57, LB62, WLB36, BBD<sup>+</sup>95]. **Absorptive** [NR66]. **Academy** [WH72]. **Accelerator** [JLBF66, SSB<sup>+</sup>98]. **Accelerators** [Bet97a]. **acceptance** [Bet93e]. **Accident** [SB86, SBR<sup>+</sup>86]. **Accidental** [BB69]. **Accretion** [BLB00]. **accuse** [AA54]. **ACM** [ACM09, Blu87]. **Acoustic** [Gur01]. **acoustics** [Gur01]. **Addenda** [IIT78]. **Address** [Bet77b]. **Administration** [ABB<sup>+</sup>80]. **Administrators** [STS<sup>+</sup>49]. **Advanced** [RS82]. **Advection** [BLB00]. **Advisers** [BB86]. **Advisors** [Edg91, Yor89]. **Advisory** [GBG<sup>+</sup>86]. **AEC** [Bet63b]. **AEI** [Bet75a]. **Affairs** [BBG<sup>+</sup>85a, GR63]. **affine** [AAHS99]. **Affinity** [Bet29a]. **Affirm** [ACU<sup>+</sup>54, BC00]. **Again** [Rai85]. **Against** [Bet84b]. **Age** [GR63, Stu18, Ano05b, Bra05, Bet62a, Dow83]. **Ages** [Jea24]. **ago** [Geh78]. **Air** [Bet42a, Bet46b, Bet50a, Bet65c, KMB57, Bet20]. **Alamogordo** [LW71]. **Alamos** [MKR87, Bet91j, Bet93k, Bet93i, Inc92, vB92]. **Alan** [Eks94]. **Albrecht** [BL09, Gib05, Hod81, LB07]. **algebra** [FV86, LFK99]. **Algebraic** [AMS11, Kyr72, LC71, MN07, Jur89, Liu72, RM06, Skr07, Skr09, ZLGM03]. **Algorithm** [Yui01, WW88]. **Algorithms** [PR97]. **Alliance** [She75]. **Alloys** [Bet38f]. **Alpha** [Bet50a, Bet49c, Rig07, Rig06]. **alpha-Centaury** [Rig07, Rig06]. **Alpha-Particles** [Bet50a, Bet49c]. **Alpher** [AH73, AM23, Mar08, Rig06, Rig07]. **Alternative** [BAA<sup>+</sup>75, Gir75]. **Always** [Bet67e]. **Amateur** [Har01]. **amazing** [Tur08]. **America** [Hen94]. **American** [Bet55c, Bet75e, Bet93e, WH72, BBM78, Bet63a, Bet82e, Bet99a, Bof76, CHW91, EBU<sup>+</sup>52, LBC<sup>+</sup>75, Ros93, McC20]. **Americans** [ABB<sup>+</sup>80]. **Among** [Bet95b, Van32, Pan05]. **Amplitude** [ROB63]. **Amplitudes** [SL64]. **Amsterdam** [Bet56b, Bet56c]. **Analog** [BS68]. **Analysis** [BdH54a, BdH54b, dHMAB54, Bet55b, Fle73]. **Analytic** [Bet93h]. **analytical** [BN68a]. **Analyzed** [Gou47]. **Andrew** [Dow83, Bet98b]. **Angle** [BR52]. **Angular** [BA52, Gün64]. **Anisotropy** [Van32]. **Anja** [Wal15a, Wal15b]. **Annihilation** [Bet35e, BH56]. **Anniversary** [MKR87]. **Annotation** [FBB14]. **Announced** [Bet63d]. **Annual** [Bet63b]. **Anomalous** [Ben38, BBD<sup>+</sup>95]. **ansatz** [AFF01, AMS11, BK93, DL83, FCC09, Gar02, HSY04, Jur89, KW03, KZJ02, LYS01, LFK99, MIT06, MN07, Ray97, Sco94, Skr07, Skr09, YLGC02, ZLGM03, AAHS99, CH02, KMGT97, KHM98, RS05, Sut03]. **Anti** [BH56, Bet69b, GB68, WA94]. **Anti-Ballistic-Missile** [GB68]. **Anti-Missiles** [Bet69b]. **Anti-Proton** [BH56]. **anti-quark** [WA94]. **antiballistic** [CWB<sup>+</sup>69]. **antifermion** [Kea71, Zum75]. **Any** [GB89, RR07, Roj09]. **apart** [Kai05b]. **appeal** [Ano82]. **Appendix** [BBAL80, BG85]. **Application** [vdLB47]. **applications** [Fur85]. **Applied** [MB40]. **Appraises** [Bet60b]. **appreciation** [Har01, Hol03]. **Approach** [BFK49, Bet93h, Nak63b, CH02, FCC09, Jur89]. **Approximate** [Vos60]. **Approximation** [CCG<sup>+</sup>11, DRS<sup>+</sup>54, SG73, WF11, BW87, Frü03, HM83]. **April** [Bet55c, Bet93e, Bet97b, HPA97]. **Arbeiten** [Hou30]. **arbitrary** [Bet43b, Bet98a, Lai74]. **Argentine** [ABB<sup>+</sup>77]. **Armor** [BW39]. **Arms**

[Bet82a, Bet8xa, BKD82, Bet83b, Bet69a]. **Army** [Bet98a, BS47, Gou47].  
**Arnold** [Ano38, Sch67b, PS69, Sch67b]. **arsenals** [Bet89c]. **art** [KMN<sup>+</sup>96].  
**Arthur** [Duf46]. **Article** [Bof76, McC20]. **Articles** [For87, GR63, BBL86].  
**Arts** [WH72]. **Ascent** [Bro73a]. **assesses** [Bet86c]. **Assessing** [BG82a].  
**Assignment** [BH39]. **Assistant** [Kil77]. **associated** [HSY04]. **Association**  
[Bet93e, Ros93]. **assumptions** [Dud76]. **astounding** [Haw11].  
**Astronomers** [Huf81, WGO<sup>+</sup>91]. **Astronomical** [Kra17]. **astronomy**  
[FF91]. **Astrophysical** [Bro05b, Bro06a]. **Astrophysics**  
[Bet97a, Bet06, BCSF82, Bet03, MR85, ST86]. **Asymptotic** [WB51].  
**Atmosphere** [KMT46]. **atmospheres** [BG91a]. **Atmospheric** [Bre53].  
**Atom** [Bet70c, Duf46, LR47, Sul75, Bas71, BM66, CHW91]. **Atomic** [Ano95,  
Bet51, Bet54d, Bet62a, Bet77e, CP50, Duf46, FR13, Gas93, GR63, Pal00,  
PS69, STS<sup>+</sup>49, WM15, Bet31b, Bet49c, Bet91j, BGP<sup>+</sup>93, Bet94a, CCJ<sup>+</sup>34,  
Hou30, Jun58, Jun82, LW71, MW46, MW07, Opp46, She75, Van03, Edg91].  
**atomiques** [CCJ<sup>+</sup>34]. **Atomkette** [Bet31b]. **Atoms** [Bet35a, Bet66b,  
Cho01, FSB71, Ino71, BS57a, BS57b, BS77, BS08, IIT78, Sch78, Bet01a].  
**Atomskerns** [Hou30]. **attached** [Roj09, RM09]. **attack** [Bie03]. **Attempt**  
[Bet36a]. **attempts** [Nav06]. **Attention** [Ken54]. **Aufbau** [Bet33a]. **August**  
[BH88, CJK92]. **auspices** [CCJ<sup>+</sup>34]. **autobiography** [Dys18]. **autour**  
[SB55b]. **Award** [Ano61, Ano12b, Ano85b, Ano12a, Bet63b, Bet63d, WB64].  
**awarded** [Ano92a]. **awards** [BSF93]. **away** [Ano05b].

**B** [Bet98a, Ano93, Bet37a, CP93]. **Ba** [BB76]. **Bacher** [For87]. **Back**  
[BB86, Bet01b, Sal02]. **background** [WA94]. **bad** [Mad83]. **Bakerian**  
[Bet94b]. **ball** [MIT06]. **Ballistic** [BGGK84, Bet98a, BGGK12, GB68]. **Ban**  
[GSB<sup>+</sup>83, McK86]. **Bardeen** [Skr09]. **Barkas** [Por04a]. **Barkas-Effect**  
[Por04a]. **Barriers** [BFK49]. **Baryon** [BJ74a]. **Based** [BGGK84, BGGK12].  
**Basic** [BBL86, Bet90b, For87]. **Basis** [BMG87, CTSOS99, KB38]. **BCS**  
[AFF01]. **be** [Bet46b, Bet20, MB85]. **Beam** [CB48b, HM83]. **Beams**  
[SSB<sup>+</sup>97d]. **Bedrohung** [SB55a]. **before** [BBM78]. **Befuddles** [Bet99b].  
**Behandlung** [Bet30a]. **Behavior** [BK39, BK62]. **Behind** [Bet93a, Bet94a].  
**Being** [Bet89b]. **Beiträge** [KRW05]. **Bela** [Bet93a]. **Bell** [Whi95].  
**Bemerkung** [BBR31]. **Bemerkungen** [Bet48]. **Berechnung**  
[Bet34b, Bet29a]. **Berichte** [KRW05]. **Berlin** [Sch67b, Sch67a].  
**Berlin-Heidelberg-New** [Sch67b, Sch67a]. **Bernstein** [Huf82]. **Bet**  
[Bet77d]. **Beta** [BHP39, BHP97]. **Beta-Disintegration** [BHP39, BHP97].  
**Betatron** [CB48b]. **Bethe**  
[Aft02, Ano50, Ano61, Ano12a, Ano12b, BB71, BL09, Dow82, Dow83, Dre07,  
Dys55, Dys56, Dys05a, Edg91, For57, For87, Fra01, GvH05, Gib05, Gol68,  
Got98, GS05, Har07, Hof96, HD72, Huf82, Jeh56, Kut05b, Lan00, LB07,  
Mar08, Mer68, Olw01, Pei57, Pri56, RS08, Sar01, Sch14a, Sch78, Sch67b,  
Sch67a, Sch15, Sei01, Tho99, Wie14, vB92, Ada06, All59, AH73, AAHS99,  
AFF01, Bla82, Ano85b, Ano92a, Ano00a, Ano01, Ano05b, Ano05c, Ano05a,  
Ano12c, Anoxx, AMS11, Aui02, BB69, BB70, Bas71, Ber96a, Ber80, Ber81,

Ber06, Bet65a, Bet80a, BWMH81, Bet84b, BBL86, Bet93j, BGP<sup>+</sup>93, Bet93c, Bet93e, Bet97e, Bet99d, Bha05, Bis67, BG91b, Bof76, BK93, BSS05, Bra05, Bre75, Bri95b, Bro82, BT69, Bro73b, Bro71, Bro05b, Bro05a, Bro06a]. **Bethe** [BL06a, Bro06b, BL06b, BJMK92, BW87, Bur68, CTSOS99, Cab78, CF12, CWL<sup>+</sup>04, CCG<sup>+</sup>11, CH02, Cli97, CFR82, DL83, Dre05, Dys05b, Dys06, Eks94, Eva84, Ewa58, FV86, FCC09, Fle73, FT75, Flo76, FBB14, Fri99, Frü03, Fun81, Fur85, Gar02, GvH06, Gas93, Gau83, Gau14, Gol05, Goo99, Got05, Got06a, Got06b, Gün64, Ham73, Hod81, Hof96, HM83, HB06, HHD73, HSY04, HD70, Inc92, Ino71, IIT78, Iof05, Iof06, Jac09, Jur89, Kai05a, KMG97, KHM98, KW03, Kea66, Kea68, Kea69, Kea70, Kea71, KZJ02, KM01, Kut05b, Kut05a, Kyr72, Lee05, Lee07, Ler71, LYS01, LFK99, MIT06, Mad86, MP91, Mai03, Mai04, MN07, ML83, MB66, Mar70, McD62, MTG05, MA06, MR85, Mor02, Moy97, Nak63a, Nak63b, Nak66, Nak71, Nav14]. **Bethe** [Neg05, Neg06, NR66, Ong86, Ong88, Orb05, PcpZ90, Pan05, Pep05, Per84a, Per84b, Pev78, Por97, Por98, Por99, Por03, Por04a, Por04b, PR97, Ran48, Ray97, RS05, Rig06, Rig07, RJ10, RM06, RR07, Roj07, Roj08, Roj09, RM09, RJ11, Ros66, Ros93, Run67, Sae67, Sal05, Sal06, Sat63, Saz87, Sch14a, Sch34, Sch67a, Sch95, Sch96, Sch00b, Sch05a, Sch08, Sch12, Sch14b, Sco94, SG73, Skr07, Skr09, Sut03, SL64, Tel87, Tom83, Tuc05, Vos60, Wal15a, Wal15b, WF11, WA94, WG68, Whi95, Wie14, Wie81, Wil73, Wri10, YG06, YLGC02, Yui01, ZLGM03, Zum75, dGBNM02, Hod13, Hub14, Kra13, Mer68, Low13]. **Bethe-ansatz** [DL83]. **Bethesda** [ACM09, Blu87, Hen94, Sch68]. **Betrachtungen** [HBD71]. **Betrayed** [Bet99f]. **Betrtr** [BW87]. **Better** [Bet89d]. **Bethen** [SBB<sup>+</sup>97, Stu18, BDSB94, MIT06, dHMAB54]. **Beugung** [Bet28a]. **Bewußtseinswandel** [vW88, vW91]. **Big** [Hil15]. **Biggest** [OM18]. **Binaries** [BB99, BLB99, BLZB01, BHL<sup>+</sup>01, BBL07]. **Binary** [BB98]. **Binding** [Bet38a, Bet91a, DSB91]. **Biographies** [Wal15a, Wal15b]. **Biography** [Bet93a, Bet98b, Sch96, Sch14b, KMN<sup>+</sup>96]. **Bird** [Pei85]. **Birth** [Hil15]. **Birthday** [HBD71, KRW05, Wri10, BCSF82, DS88, Gol68, Hof96, MB66]. **bis** [HH14]. **Black** [Bet94d, BB99, BBL06, BB94a, BB94b, BLB99, BLW<sup>+</sup>00b, BHL<sup>+</sup>01, BLB01, BBL03]. **Black-Holes** [BB94a, BB94b]. **Blackwood** [Dow82, Dow83]. **Blaker** [Mer68]. **Blast** [BFvN<sup>+</sup>44, BFH<sup>+</sup>47, Sul75, PPvNF44]. **Bloch** [Por97, Por98, Por99, Por03, Por04a, Por04b]. **Blocks** [SSB<sup>+</sup>99b]. **Blunder** [OM18]. **BMD** [BBG85b, BG85]. **Body** [Bet36b, Bet56a, Bet65b, Bet67a, Bet73b, HB06, Kai05a, KB38, KS87, MJBA75, RB67b, BR67, CC73, Mai03, Mai04, MHFW72, Per63, Tom83]. **Bohr** [Duf46, Ano95, Bet85a, BGS95b, FK85, OBxx, Sch00a]. **Bomb** [Aft02, All56, ABB<sup>+</sup>50, Ano93, Bac50, BBSS50, B<sup>+</sup>50, Bet50d, Bet50c, Bet54e, Bet63a, Bet71e, Bet82b, Bet82d, Bet82f, Bet89e, Bet91c, Bet93a, Bet93c, Bet94a, Bet98b, Duf46, Fra01, Gas93, Ken54, Lan00, Olw01, Rid50, Sar01, Sei01, STS<sup>+</sup>49, TB82, WM15, Ano50, Bet50b, Bet91h, BGP<sup>+</sup>93, Bro82, Eli50, MW46, MW07, McC20, Sch00b, SB54, SB55b, SB55a, SB71, She75,

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

**C** [Bet42a, Hol03, HB40, LB37]. **C.** [Geh73]. **C.B.E.** [AP77]. **ca**  
 [Ano00a, Kra16]. **Calculate** [Bet36a]. **Calculated** [Bet29d]. **Calculation**  
 [Bet34b, CTSOS99, NB68, Cab78, KW03, Liu72, Bet29a]. **Calculations**  
 [BJ74a, Bar88]. **California** [Bet76g]. **Called** [Cor12]. **Calls** [Ham73].  
**Cambridge** [Hen94, Hod13, Hub14, Nav14, RS82, Wal15a, Wal15b]. **campus**  
 [Ber96a]. **Can** [Bet46b, YB85, MB85, Bet20]. **Can't** [Bet91d, SB86].  
**Capacity** [Maw78]. **Capture** [Bet70b, HB51b]. **Carbon**  
 [Bet40d, BLZB01, Hoy54]. **Carbon-Oxygen** [BLZB01]. **career**  
 [NS15, Sch15]. **Carl** [HH14, Wie14]. **Carnegie** [HPA97]. **Carson** [PBB97].  
**Case** [AAB<sup>+</sup>88, Bet60a, Bet76b, Bet80b, Bet84b, Gou47, Ken54, Nak63a].  
**Cases** [Cle48]. **Catalogue** [Hen94, Sch68]. **Catastrophe** [Dud75, Bet76h].  
**Cathode** [Bet29c]. **Causal** [Kea66]. **Cavendish** [Nav06]. **cavities**  
 [Bet43a, BS43]. **Cease** [Bet95c]. **celebrate** [Gol05]. **Celebration** [KRW05].  
**Centaur** [Rig06, Rig07]. **Centenary** [Bet99a, FK85]. **Centennial** [PS69].  
**Centuries** [Sch68]. **Century**  
 [ABP98, Bet01b, Sch68, APB96, MB85, Har10, Wal15a, Wal15b]. **cervical**  
 [HB69]. **Chadwick** [Bet98b]. **Chadwyck** [Hen94]. **Chadwyck-Healey**  
 [Hen94]. **chain** [Bet31b, CWL<sup>+</sup>04, LFK99, Sco94, dGBNM02]. **chairman**  
 [BBG<sup>+</sup>85a]. **Chandrasekhar** [BS83, Bet05b]. **Chang** [Har07, RS08].  
**Chang-Hwan** [Har07, RS08]. **Change** [Bet31a, Bet75d, vW88, vW91].  
**Charge** [BE68]. **Charged** [Ino71, IIT78]. **Charles** [Bet78a, Hol03].

**Chemical** [ABG48, Gam66]. **Chernobyl** [Bet86c, Bet91d, Bet91i, SB86, SBR<sup>+</sup>86]. **Chernobyl-Type** [SB86]. **Chicago** [Wal15a, Wal15b]. **China** [Bet69a, DeN76]. **chiral** [DL83]. **chiral-invariant** [DL83]. **choices** [BBM78]. **Chop** [Bet89c]. **Chown** [Bet01a]. **Christoph** [Wal15a, Wal15b]. **CI** [PR97]. **Circular** [Mol89]. **Citizen** [McD62]. **City** [Bet69b]. **Classical** [Sco94, Skr09]. **Clerical** [Wei75]. **Climbing** [Kai05a]. **Clinton** [Bet97c]. **Close** [SB47]. **closed** [LFK99, Ong86]. **closer** [Har10]. **cloth** [Fra01]. **club** [Ber96b]. **cm** [Sch67b, Sch67a]. **Coal** [Bet80b]. **Cold** [AK10]. **Collaboration** [Ber10, AM23]. **Collapse** [Bar88, BBAL79, Bet81d, Blu88, Myr88, WM88]. **Colleagues** [BC00, DK91]. **Collected** [Hen94]. **Collections** [Hen94]. **Collective** [BDSB94, SSB<sup>+</sup>99a, TBDB98, Bet33a]. **College** [Tho99]. **Colliding** [SSBB75]. **Collisions** [Bet51, BA52, BJB93, Ino71, BW87, IIT78]. **Column** [BV74, BV75]. **Combination** [BC38a, BC38b]. **combinations** [RJ11]. **Come** [STS<sup>+</sup>49]. **commentaries** [Yan13, Bet95b]. **Commentary** [BWH80, BBL06, Bey80, Bet97e, BBL03, DP97, Tho99, Got98]. **Comments** [Bet82b, Bet91c, RYBB73, Moy97]. **Committee** [Bet75e, BBG<sup>+</sup>85a, GBG<sup>+</sup>86]. **Communication** [Bet71e]. **Community** [Bet95d, Hab69, Bet81e]. **Compact** [BB98, BB99, BBL07]. **Company** [Pei57, Tho99]. **Compared** [Maw78]. **Comparison** [SBR<sup>+</sup>86, Bet29d]. **competition** [SB55b, SB55b]. **Compiled** [Sch68]. **Complex** [Bet82e, Hill15, BG57]. **Composition** [CB34]. **Compound** [Bet40a]. **Compton** [Duf46]. **Computational** [ML83]. **computer** [Fle73]. **Computers** [FT70]. **Computing** [ACM09]. **Concept** [CBB84]. **conception** [SB55b]. **Concepts** [BBG85b, KS87, ST86]. **Concerning** [Bet48]. **condensates** [ZLGM03]. **Condition** [Sat63]. **conditions** [KZJ02, LYS01, Mai04]. **Conference** [Bec67, BM55, Bet56b, Bet56c, Blu87, JKWW85, JKWW15, KMN<sup>+</sup>96, KS87, KMP98]. **conferences** [WH72]. **configurational** [Per84b]. **conflict** [SB55a]. **Congress** [BG83b]. **connection** [Saz87]. **connectivity** [RM06]. **Conscience** [BBH<sup>+</sup>73, Bra05]. **consciousness** [vW88, vW91]. **conseil** [CCJ<sup>+</sup>34]. **conserved** [MIT06]. **Conserving** [Fes77]. **Considérations** [Hei34, Hei34]. **Consistency** [JB78]. **Constant** [BL49]. **constants** [Bet43c]. **Constitution** [Edd20, Gam30]. **Constraints** [BB95, Bet96b]. **Construction** [Wal15a, Wal15b, Per84a, SB55a, Bet33a]. **Contextual** [Sch14b]. **continent** [Ano85a]. **Continuity** [CWL<sup>+</sup>04]. **Continuum** [Bet40a]. **Contribution** [BM71, BM72, BB99]. **Contributions** [KRW05, MA06, Pan05]. **control** [Bet8xa, Opp46]. **controversies** [ST86]. **controversy** [SB76]. **Convection** [BBC87b, BL88, SSB<sup>+</sup>97a, WM88]. **convective** [WW88]. **Conventional** [Usd09]. **Conversation** [BM04, Goo99, BM05, Goo01]. **conversations** [Bri95a]. **Cooper** [Skr09]. **Cooperative** [Bet37b]. **Coordinate** [LYS01, MP91]. **Copenhagen** [Sch00a]. **copies** [Roj07, Roj09]. **core** [BG57, Blu88, Ong86, Ong88, WM88]. **Cornell** [Ano37, AK10, Bet78a, Bet93k, Dys89, Gol05, Pev78]. **corpuscular** [Bet30b].

**Correction** [BBF53, Por04a]. **Corrections** [Ano93, BB51, WW88].  
**Correlation** [PR97]. **Correlations** [Bet65b, Bet67a, JB78, BJ76].  
**Correspondence** [Mor02, Lee07, Lee09, MIT06]. **Corvallis** [KMN<sup>+</sup>96].  
**Cosmic** [Bet35d, BKP40, BKB92, CB34, Mon49]. **Cosmogony** [Gam49].  
**Cosmological** [Gam66, AM23]. **cosmology** [Tur08]. **Could** [Sul75].  
**Coulomb** [Bet38b, BR52, CH02, Kyr72, WW88]. **Counters** [BB47].  
**Counting** [CCG<sup>+</sup>11]. **Coupling** [SBB<sup>+</sup>97]. **Courant** [Bet54b]. **Course**  
[Bet47b]. **Courting** [Gla76]. **Creation** [Bet34a, BH34, KM01]. **Credibility**  
[Sau75]. **Credulity** [vHWD76]. **Critical** [BK39, BSS05]. **criticism** [BF33].  
**critics** [Cor12]. **critique** [Bet34c]. **Cross**  
[BM54, BBC56a, BBC56b, BBC57a, BBC57b, DB52, DBM54, HB51a, HB40,  
HB51b, MB52, Bet43b, BW87, ML83]. **Cross-Sections**  
[BBC56a, BBC56b, BBC57a, BBC57b]. **Crossing** [Sch95, Wei95]. **crowd**  
[Fri99]. **crystal** [Bet42e]. **Crystals** [Bet42c, Bec29, BB76, Bet27, Bet28b,  
Bet28a, Bet29b, Bet42d, Bet49d, Bet50f, Ewa58]. **Culture** [Wal15a, Wal15b].  
**current** [RS82]. **curtain** [Bet94a]. **Curve** [Gam30]. **curves** [Bet49c, Bet49e].  
**Cutkosky** [MP91]. **Cycle** [Bet40d, Wie14]. **Cyclotron**  
[BR37b, Hil15, SSB<sup>+</sup>97a]. **Czech** [Bet71b].

**D** [Bet54b, Bet78a]. **Dalitz** [Tho99]. **Damping** [BO46]. **Dancoff** [DRS<sup>+</sup>54].  
**Danger** [SB47]. **Dangerous** [BGG<sup>+</sup>85b]. **dans** [Dem15, NBP<sup>+</sup>34]. **Dante**  
[BBG<sup>+</sup>85a]. **Dark** [Bet95a]. **Data** [Bet35a, BHP39, BHP97]. **Daughter**  
[Pal00]. **David** [Ano50, Bet94a, OBxx]. **Davisson** [Geh73]. **day** [HHW99].  
**Days** [WM15]. **DC** [KMP98]. **Deaths** [Bha05]. **Debate** [Bet77a]. **Decay**  
[BN40, Aui02, FBE<sup>+</sup>34]. **Decision** [Dow83, GB89, CWB<sup>+</sup>69]. **decisions**  
[Str63]. **Defect** [Gam30]. **Defended** [WB64]. **Defends** [Pal76]. **Defense**  
[Bet69b, BGGK84, Bet8xb, BCMR92, BGGK12, TB84, Tel87]. **Defining**  
[Mla98]. **Deflection** [CB48b]. **Deformation** [BW39]. **deformed** [AMS11].  
**Degeneracy** [BB69]. **delta** [Fun81]. **delta-function** [Fun81]. **Denaturing**  
[ABB<sup>+</sup>46]. **denounce** [Bie03]. **Dense**  
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**Department** [Sch68]. **Dependence** [HB51a, Por03]. **deploy** [CWB<sup>+</sup>69].  
**Dep't** [ABB<sup>+</sup>46]. **Derivation** [Bet63c, MP91, Wie81]. **Description**  
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**detect** [Nav06]. **Detection** [All59]. **Detectors** [ATP82]. **determinants**  
[dGBNM02]. **Determination** [WLB36]. **Deuteron**  
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**deutsche** [Bet05a]. **Develop** [Bet98a]. **Development**  
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[Bet87a, CBR87]. **DeWolf** [Edg91]. **Dexter** [Duf46]. **Diagram** [DeS73].  
**Diagrams** [Kai05a, Kai05b]. **Dialyse** [BBT24]. **dialysis** [BBT24]. **Did**  
[BGS95b, STS<sup>+</sup>49]. **Dielectric** [ATP82]. **Dies** [Ano05a, Bra05]. **Different**



[Bet29d, Van32]. **Differential** [BM54, MB52, Wil73]. **Diffraction** [Bet44, CJK92, Geh73, Bet28a, Geh78, HM83]. **Diffused** [BB76]. **Diffusion** [BFK49, BV74, BJ77, Bet82g, App88, Bet49b, BV75]. **Digit** [LG78, Rai85]. **dimension** [Lai74, MB82]. **dimensional** [LYS01, YLGC02]. **Dinner** [Bet77b]. **Diplon** [BP34c, BP35a]. **Dipole** [LB50]. **Dirac** [Bet48, CH02]. **Diracschen** [Bet48]. **Direct** [HLB37, KW03]. **Directions** [MKR87]. **Director** [Orb05]. **Disarmament** [Bet62b, Bet64a, Bet70c, Bet71a, B<sup>+</sup>62]. **Disclaimer** [Nov76]. **discourse** [KMN<sup>+</sup>96]. **Discovery** [Geh73, Hah58, CHW91]. **Discusses** [Bet65a]. **Discussion** [FBE<sup>+</sup>34, SG73, Ano50]. **discussions** [CCJ<sup>+</sup>34]. **Disintegration** [BP34c, Bet35b, BHP39, BL50, BHP97]. **Disorder** [Bet38f, BK39]. **Dispersion** [Nak63b, Kai05b]. **Dispute** [Bey80]. **Disputes** [Ken54]. **Distances** [BTH50a, Bet49b, BTH50b, BTH50c]. **distributed** [Dow83]. **Distribution** [Bet29d, BA52, BE68, BLMB41, MYZ67, SB59]. **Disturbing** [Dys79, Bet79a]. **DM** [Sch67b, Sch67a]. **Do** [BB93, BG83a, Ano50, Pol19]. **documentary** [CHW91]. **dollar** [CP93]. **domain** [KZJ02]. **Dominated** [BLB00]. **d'onde** [Gau83]. **Don't** [BBL06]. **Doomesday** [BG82a]. **Doppler** [Bet57]. **Double** [Nak63b, Yui01]. **Double-Loop** [Yui01]. **Doubt** [Sul75]. **Douse** [Bro97]. **Down** [BTH50a, BTH50b, BTH50c, Bet89c]. **Dr.** [Bet93j, Ken54, Orb05, Wri10]. **Drama** [Ken54]. **Drawing** [Ber03, Kai05b]. **dreams** [Haw11]. **durch** [Bet29c, Bet30b]. **Durchgang** [Bet29c]. **Durchgangs** [Bet30b]. **during** [Ber96a]. **Durling** [Sch68]. **Dwarf** [BLZB01]. **Dynamical** [CJK92]. **Dynamics** [Bet37a, LB37, FCC09]. **Dynamo** [Ler71]. **Dyson** [Bet79a, Bet79a, Ler71].

**Eagles** [Bro01]. **Early** [Bet97a, Nav06, BL88, Sch15]. **Earth** [Bet30c, Bet70a]. **economic** [BKD82]. **Ed** [Gol68, Bet54b, Hen94]. **Edited** [Duf46, Bet90b]. **Editor** [GT38, Bet60b, Mar08]. **Editorial** [Ale05, Bet81a, BL83, Bof76]. **Editors** [Mer68, RS08]. **Education** [Ano06, Sch68, Bet83b]. **Edward** [Bet01b, Bro82, Har10]. **Effect** [Bet30c, Bet57, BG57, LB50, Por04a, Bet30a]. **Effective** [Bet49a, BL50, Bet73b, HM83, MJBA75]. **Effects** [BP37, BJ76]. **Eigenfunction** [Bet34b]. **Eigenfunctions** [Bet48, vdLB47, Bet31b]. **Eigenfunktion** [Bet34b]. **Eigenfunktionen** [Bet31b, Bet48]. **eigenvalue** [RR07]. **Eigenvalues** [HSY04, Wil73, vdLB47, RR07, Bet31b, RJ11]. **Eigenwerte** [Bet31b]. **Einleitung** [Bec29]. **Einstein** [Ano92a, BGA<sup>+</sup>13, OM18, ZLGM03]. **Einsteins** [Ale05]. **Eisenhower** [Kil77]. **Elastic** [BM71, BM72, RYBB73, DeS73, Gur01]. **Eleanor** [Ano50]. **Elect** [ABB<sup>+</sup>80]. **Elections** [Bet32]. **Electric** [Bet29c, BJ77]. **Electrodynamics** [Dys05b, Dys06, Sch58, Sch03]. **electrokinetic** [Rig06, Rig07]. **Electromagnetic** [Bet47a, Bet72a]. **Electron** [Bet33b, BO46, BM71, BM72, Geh73, Geh78, RYBB73, RB39, Sch78, SSB<sup>+</sup>97a, SB53, SB59, BS57a, BS57b, BS77, BS08, BW87, CF12, CH02, Frü03, HBE87, SSB<sup>+</sup>98, BZ38, Bet67c, Sch67b, Sch67a, SB33, SB34, SB67e].

**Electron-Cyclotron-Harmonic** [SSB<sup>+</sup>97a]. **Electron-Deuteron** [RYBB73]. **Electron-Diffraction** [Geh73]. **electron-hydrogen** [BW87]. **Electronic** [Bet29a, vdLB47]. **Electrons** [Bet29d, Bet34a, Bet34b, BH34, BRS38, BBW50, BBAL80, FBB14, WB51, Bet27, Bet28b, Bet28a, BF32, BF33, BJ77, Bet14, NBP<sup>+</sup>34, SB67c, SB53, SB67d, NBP<sup>+</sup>34]. **Electrostatic** [CB48b]. **elektrische** [Bet29c]. **Elektronen** [Bet27, Bet28b, Bet28a, Bet32, BF32, SB67d, SB67c]. **Elektronenaffinität** [Bet29a]. **Elektronenprobleme** [Bet33b]. **Elektronentheorie** [Sch67a, Bet67c, Sch67b, SB33, SB34, SB67e]. **Elektronenverteilung** [Bet29d]. **Elektronnaja** [BZ38]. **element** [vW38a, vW38b]. **Elemental** [Wal15a, Wal15b]. **Elementary** [Bet47b, BM56, BM06, For57, Pri56]. **Elements** [ABG48, BBFH57, Hoy54, Gam66, Hoy46, Pen79]. **Elementumwandlungen** [vW38a, vW38b]. **elite** [Fin06]. **elliptic** [MN07]. **Elusive** [BG83a]. **Émigré** [Wal15a, Wal15b]. **Eminent** [EBU<sup>+</sup>52]. **Emission** [BAB80, MWBB02]. **Empirical** [Bet93h]. **Employment** [BS47, Gou47]. **End** [Sul75]. **Ending** [Bet60a, BMG87]. **energie** [Bet71b]. **Energieerzeugung** [Bet68a]. **Energies** [BML53, Bet91a, DSB91]. **Energy** [Anoxx, BS05, BS06, BB47, Bet36a, BR37a, BR37b, Bet38a, Bet38b, Bet39c, Bet39a, Bet42b, Bet47a, Bet50a, BK62, Bet64c, Bet65a, Bet66a, Bet68g, Bet68d, Bet68e, Bet70d, Bet71c, Bet75a, Bet76c, Bet77c, Bet77e, Bet80b, Bet80c, Bet81e, Bet82c, Bet83a, BP90, Bet94a, CB48a, CB60, CP50, Edg91, GB51, Huf81, Iof05, Iof06, MB41, PR97, Ran48, Seg85, SBR<sup>+</sup>86, Yui01, Bla82, BBM78, Ber80, Ber81, Bet49c, Bet49e, Bet53d, Bet68c, BN68b, Bet70a, BV75, Bet76a, CF12, Frü03, KW03, Kra16, KMP98, LW71, Mai04, Men27, Opp46, RS05, RJ10, RJ11, SB76, Sel77, Bet68a, Bet71b, Dow82, Dow83, Huf82]. **Engineer** [Bet78a, Pev78]. **Engineers** [SBR<sup>+</sup>86]. **Enough** [Dow83, Gul75]. **Enrichment** [Bet82i]. **Enrico** [Bet55c, Ano61, BB02, Ore04]. **Entgegnung** [Sch34]. **Entwicklung** [HB69]. **entzweite** [Bet01d]. **Environment** [KMP98, KMP98]. **Episode** [Pan05]. **Equation** [BB69, BB71, Bet74, BBAL79, BBAL80, BBCW83, Bis67, BT69, FT75, Gün64, HD72, Kea66, Kea68, Kea69, Kea70, Ler71, Nak63a, Nak63b, NR66, Ros66, Sae67, SB51, Sat63, Vos60, AS70, BB70, Bet98a, Blu88, Bre75, Bro88a, DSB56, FV86, Fle73, Flo76, Fur85, HHD73, HD70, KW03, Kea71, MP91, Mai03, MB82, Nak71, Ong86, Ong88, Saz87, WA94, Wie81, Zum75]. **Equations** [MJB75, Bas71, BK93, Gar02, Kyr72, MIT06, Mai04]. **Equilibrium** [BT41, BT45, BFK49, BT51a, BT53, BT51b]. **equivalence** [Bas71]. **Equivalent** [Bet73b]. **Erden** [Bet30c]. **Eric** [Bet90b]. **Erinnerungen** [Bet00b]. **Ernest** [Hil15]. **Errata** [HD72]. **Erratum** [BB71, Bet83a, RB37a]. **Error** [Wei75]. **errors** [Bro82]. **Erscheinungen** [Bec29]. **Espionage** [Usd09]. **essay** [Edg91]. **Essays** [APB96, ABP98, BCSF82, Gol68, Mer68, dSFvLH66, MB66]. **est** [Dem15]. **Estimate** [Bet50e]. **etc** [Sch67b, Sch67a]. **Ethical** [BSP<sup>+</sup>83]. **Europe** [Fer68, Fer71]. **evaluate** [BW87]. **evaluation** [CWB<sup>+</sup>69]. **Evanston** [Pei57]. **even** [RS05]. **Evening** [BDH70, Gas93, BGP<sup>+</sup>93]. **Events** [Ano05c].

**Evidence** [BH39, Bet40d, HLB37]. **Evolution** [BM39, Bet91a, BB98, BBL07, BLW<sup>+</sup>00b, BLZB01, DSB91, Huf06, BBL03, BL88, NaH88]. **Evolutionary** [FvHW79]. **Ewald** [BH88, CJK92, CJK92, JMWB86]. **Exact** [Nak63a, ROB63, MIT06, Zum75]. **Exactly** [Eva84]. **Examined** [Bet60c]. **Exchange** [Bet84a, FT75, Ros66]. **Excitation** [Bet43a, KB38, RS05]. **Excitement** [Bet67e]. **Exiled** [RB02]. **Expansions** [PR97]. **Expected** [STS<sup>+</sup>49]. **experience** [Bet93e]. **experiment** [CP93]. **Experimental** [BL49, LB37, Seg59a, Seg53, Seg59b]. **Experiments** [BB93, Bet89a, BBT24]. **Experts** [Sul75]. **Explanation** [Bet86a, Bet94c]. **explicit** [RR07]. **Exploded** [Bet46b, Bet20]. **explodes** [BB85, BB91b, BB12]. **exploring** [MR85, WH72]. **Explosion** [Bet50e, Bet81d]. **Explosions** [All59, BBB<sup>+</sup>87]. **Extension** [YLG02]. **extensions** [AAHS99]. **extracted** [Por04b].

**F** [Bet89b, Dys56, Edg91, For87, dSFvLH66]. **F.** [Bet79a]. **F.R.S** [AP77]. **Face** [TB84]. **Face-Off** [TB84]. **Faces** [Iri06]. **factor** [CF12, HB69]. **factorization** [Bas71]. **factors** [HM83]. **Facts** [BBSS50, B<sup>+</sup>50]. **Faith** [ACU<sup>+</sup>54]. **Farm** [Bet93b, Ber96b]. **FAS** [Ano12a]. **Fascell** [BBG<sup>+</sup>85a]. **Fashioned** [Duf46]. **Fast** [BB47, BH34, Bet57, Bet99b, Ino71, BJ77, IIT78]. **Fast-Moving** [Bet99b]. **faster** [Bet30b]. **Fateev** [Ray97, RS05]. **Fault** [Bof76]. **FBI** [BLM19]. **Fear** [WM15]. **February** [Bet97b, KMN<sup>+</sup>96, Ano50]. **Felder** [HBD71, Bet29c]. **Fermi** [Ano61, Bet55c, KS87, Bet63b, Bet68b, BB02, Bro71, MB40, NB68, Ore04, WB64]. **fermion** [Kea71, Zum75]. **fermion-antifermion** [Kea71, Zum75]. **fermions** [YLG02]. **Ferromagnetism** [Bet33d, Cab78]. **Ferromagnetismus** [Bet33d]. **Festschrift** [KRW05, Lee11]. **Fetter** [Ano12b]. **Fewer** [BG83a]. **Feynman** [Bet88d, Bet91g, Bet93k, BR93, Dys89, Hal17, Kai05a, Kai05b]. **Field** [Bal62, BB51, BR52, Bet72a, JKWW85, JKWW15, Kut05b, Kut05a, Ler71, Pei57, BJ77, CFR82, SB53, SB67d]. **Fields** [Bet29c, Bet31a, Dys55, Dys56, Jeh56, Pei57, SSB<sup>+</sup>97d, BdH55, SBdH56, CH02, HBD71, SBdH55, SBdH55, Dys56, Jeh56, Pei57]. **fifty** [Geh78]. **fight** [SB76]. **Figures** [Maw78]. **Files** [BLM19]. **Film** [Dow83, Dow82]. **Final** [BB54]. **Fine** [BL49, LR47]. **finite** [Mai04]. **finite-energy** [Mai04]. **Fire** [Bro97]. **Fireball** [Bet64d, Bet65c]. **Fireworks** [BKB92]. **First** [ABB<sup>+</sup>50, Ano50, Bet93a, Bet95b, Ken54, LG78, Rai85, WM15, ML83, MB85, Kil77, Stu18]. **first-born** [ML83]. **Fission** [BBC56a, BBC56b, BBC57a, BBC57b, Bet76e, Bet76f, FvHW79, Hah58, Bet01d, CHW91]. **Fission-Spectrum** [BBC56a, BBC56b, BBC57a, BBC57b]. **Fissionable** [ABB<sup>+</sup>46]. **five** [Ano85a, LW71]. **fizike** [BDH70]. **flare** [BG91a]. **Flow** [BLB00]. **Fluctuation** [Ler71]. **Fluxes** [SBB<sup>+</sup>97, SSB<sup>+</sup>97b]. **Fly** [Bro01]. **Focus** [Bar08]. **Focuses** [Ken54]. **focusing** [Rig06]. **Foes** [Bof76]. **fonction** [Gau83]. **Force** [BBD<sup>+</sup>96]. **Forces** [Bet39b, Bet40b, Bet40c, BL50, Bet54a, Bet55a, Hod13, Hub14, Kra13, Low13, Nav14, Wal15a, Wal15b, Bet54c, Sch12]. **Foreign** [BBG<sup>+</sup>85a]. **Foreword** [Bet75b, Bet76d, Bet01c, Bro88b, Duf46, Edg91]. **Forget** [BBL06].

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

**GaAs** [Por98]. **Galaxy** [Bet94d, BB94a, BB94b, BLW<sup>+</sup>00b, BBL03]. **Gamma** [BLW<sup>+</sup>00a, Eps88, MWBB02, BLW<sup>+</sup>03]. **Gamma-Ray** [BLW<sup>+</sup>00a, MWBB02, Eps88, BLW<sup>+</sup>03]. **Gamow** [HPA97, AH73, AM23, Bet97a, Har01, Mar08, Rig06, Rig07]. **Ganzes** [SB67b]. **Gap** [BLB01]. **Gas** [BBAL80, Run67, Lai74]. **Gatlinburg** [Bec67]. **Gaudin** [AMS11, Gar02, KM01, Sch15]. **Gaussian** [Frü03]. **Gaussian-mixture** [Frü03]. **Geburtstag** [HBD71, Hof96, KRW05]. **General** [Bet40b, Bet56b, Blu88, Nak63a, Hei34]. **General-Mass** [Nak63a]. **générales** [Hei34]. **Generalist** [Sal02]. **Generalization** [SG73]. **Generalized** [CTSOS99, MB40, Roj07, Roj08, Roj09, RM09, RJ11]. **Generation** [BS05, BS06, SSB<sup>+</sup>97d, SSB<sup>+</sup>97b, Wal15a, Wal15b]. **Geneva** [MB85]. **Genius** [Bri95a, Bet93a]. **Genocidal** [Bet90b]. **George** [AM23, Har01]. **Gerald** [Har07, Lee11, RS08]. **German** [Bet54b, Bet05a, Ano93, BBR31, Bec29, BBT24, Bet27, Bet28b, Bet28a, Bet29a, Bet29c, Bet29b, Bet29d, Bet30a, Bet30b, Bet30c, Bet31b, Bet32, BF32, Bet33a, BF33, Bet33c, Bet33b, Bet33d, Bet34c, Bet34b, BS47, Bet48, Bet55d, Bet67c, Bet68a, BGP<sup>+</sup>93, Bet93c, Bet00a, Bet01d, Bet05a, CSB<sup>+</sup>31, Gas93, Gou47, HBD71, HB69, Hof96, Hou30, KRW05, Kut05b, Sch14a, Sch32, Sch34, Sch67b, Sch67a, SB55a, SB33, SB34, SB67d, SB67e, SB67c, SB67b, Wie14, vW35, vW38a, vW38b, vW88, vW91]. **Germans** [Wal15a, Wal15b]. **Germer** [Geh73]. **Geschwindigkeit** [Bet32]. **giant** [MB85]. **Giants** [Bet95b, Dre05, Mat98]. **gitterförmige** [Bet29c]. **Give** [EBU<sup>+</sup>52]. **given** [Hen94]. **Glasgow** [BM55]. **glassy** [BA59]. **glitching** [Eps88]. **Global** [Iof05, Iof06]. **Gluon** [BBP91, BJBP93]. **go** [Mat98]. **Goes** [Bet87a, CBR87]. **Goldstein** [Kea70]. **Goldstone** [Ong86, Ong88, PR97]. **Goldstone-Type**

[PR97]. **Good** [BR93]. **gradients** [Rig07]. **Grand** [She75]. **Graph** [WF11, Roj07, Roj09, RJ11]. **Gravitational** [BBAL79]. **GRB** [BLLB00a, BLLB00b]. **great** [Fri99]. **Greater** [Bet74]. **Green** [HD72, HHD73, HD70, Kea66, Kyr72]. **Grenzüberschreitungen** [Wei95]. **grid** [BK93, DHB<sup>+</sup>06]. **Grids** [Bet29c]. **GRO** [BLLB00a, BLLB00b]. **Gross** [DL83]. **Ground** [Bet29d, Bet98a, BJ76, Ray97, Ken54]. **Group** [ABB<sup>+</sup>80, Bet75e, MWBB02, Van32, AAHS99, MN07]. **guerre** [SB55b]. **Guide** [Ano00a, Hen94]. **guides** [Bet43b, Bet43d]. **Guth** [Eks94].

**H** [BS37, Duf46, Dys56, Eks94, Ewa58, Geh73, Sch67a, Tho99, ABB<sup>+</sup>50, Bet50b, Bet54e, Bet82b, Bet82f, Bet89e, Bet90d, Bet91c, Bet91h, Bro82, Eli50, Ken54, McC20]. **H-bomb** [Bet90d, ABB<sup>+</sup>50, Bet54e, Bet82b, Bet82f, Bet89e, Bet91c, Ken54, Bet91h, Bro82, McC20]. **H**. [Bet65a, Bet95b, MR85, Sch78, Sch95, Tho99]. **Hackinsack** [Wal15a, Wal15b]. **Hadron** [BBP91, BJB93]. **Half** [BH39]. **Half-Life** [BH39]. **Hall** [Bet93b, Ber96b]. **Halle** [HH14]. **Hamiltonian** [Per84a, Per84b]. **Hans** [Ano50, Ano61, Ano05b, Ano12a, Ano12c, Bof76, Bur68, Cli97, Edg91, For87, Gol68, Got98, Hod13, Hub14, Inc92, Jeh56, Kra13, Low13, Mer68, Nav14, Orb05, Pei57, Ros93, Sch67b, Tho99, Wal15a, Wal15b, Ada06, Bla82, Ano85b, Ano92a, Ano00a, Ano01, Ano05c, Ano05a, Ano12b, Anoxx, Ber96a, Ber80, Ber81, Ber06, Bet80a, BWMH81, Bet84b, BGP<sup>+</sup>93, Bet93e, Bet97e, Bet99d, Bha05, Bra05, Bri95b, Bro82, Bro73b, Bro05b, Bro05a, Bro06a, BL06a, Bro06b, BL06b, BL09, Dow82, Dre05, Dre07, Dys55, Dys05a, Dys05b, Dys06, Eks94, FBB14, For57, Fri99, GG05, GvH05, GvH06, Gas93, Gib05, Gol05, Goo99, Got98, GS05, Got05, Got06a, Got06b, Har07, Hod81, Hof96, HB06, Iof05, Iof06, Jac09, Kut05b, Kut05a, Lee05, LB07, Mad86, MB66]. **Hans** [Mar70, McD62, MTG05, MA06, Mer68, Neg05, Neg06, Pan05, Pep05, Pev78, Pri56, RS08, Sal05, Sal06, Sch96, Sch05a, Sch08, Sch12, Sch14b, Tel87, Tuc05, vB92, Dow83, Huf82]. **Happen** [Bet91d, SB86]. **Happy** [Bet79c, Sch05b, Sch06, Wri10]. **Hard** [BFK49, Bet69b, Run67, Ong88]. **hardback** [Hub14, Nav14, Tho99]. **hardcover** [Edg91, Wal15a, Wal15b]. **Harmonic** [SSB<sup>+</sup>97a, Bas71]. **Harmonics** [BB71, BB70, Flo76]. **Hartree** [RB37a, BR37a, RB37b]. **Harvard** [Hod13, Hub14, Nav14, Wal15a, Wal15b]. **Healey** [Hen94]. **Health** [Sch68]. **hears** [Fri99]. **Heat** [Bet42a]. **Heated** [BV74, BV75]. **Heating** [BW85]. **Heavy** [Bet36a, BTH50a, BJB93, JLBF66, SB67a, BTH50b, BTH50c]. **Heidelberg** [Sch67b, Sch67a]. **Heisenberg** [KRW05, Sch00a, HBD71, KW03, KRW05, LFK99]. **Heitler** [BO46, Frü03]. **Held** [Bet55c, AP77, Bec67, CCJ<sup>+</sup>34, KS87, KMP98, RS82]. **Helium** [Bet29d]. **Heliumgrundzustand** [Bet29d]. **Henrik** [OBxx]. **Henry** [Bet95b, Edg91]. **Herbert** [Edg91]. **Here** [Bet91d, SB86]. **Herman** [BKJ84]. **Herru** [Sch34]. **High** [Bet42c, BML53, Bet53d, Bet64c, Bet65a, BB99, BLB99, BHL<sup>+</sup>01, BLB01,

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

**I.** [Rabxx]. **i.e** [HPA97]. **IEF** [Rig07]. **Ignition** [Bre53, KMT46]. **II** [Dys55, JKWW85, JKWW15, BBB<sup>+</sup>87, Ber79b, Bet40c, BS47, Bet49c, BL50, Bet50d, BA53, BdH55, BBC56b, Bet67a, BYB82, BL88, DBM54, DHB<sup>+</sup>06, HHD73, KHM98, Per84b, Rig07, SB53, Yan13, vW38b]. **III** [Bac50, Ber79c, BBC57a]. **Ill** [Pei57]. **illus** [Gol68, Wal15a, Wal15b]. **illustrative** [Cab78]. **Illustrious** [Fer68, Fer71]. **im** [Bet29d, SB67d]. **immigrants** [Fer68, Fer71]. **Immobilized** [Rig07]. **impact** [BKD82, LW71]. **imperative** [Bet85c]. **Imperial** [Tho99]. **Imply** [BB93]. **Imprisoned** [ABB<sup>+</sup>77]. **Improved** [RJ10]. **Incomparable** [Sch05a]. **Incorrect** [BH39]. **Independence** [Bet82c]. **Independent** [CCG<sup>+</sup>11]. **index** [Wal15a, Wal15b]. **Indian** [Bey80]. **Individual** [Cle48]. **Industrial** [Hil15, Usd09]. **Industrial-Scale** [Usd09]. **Inelastic** [BBC56a, BBC56b, BBC57a, BBC57b, Ino71, IIT78, RYBB73]. **Inferior** [Bet82j, Bet83c]. **Inferiority** [Bet82e]. **infinite** [NB68, Ong86]. **Influence** [Bet34a, Bet97a]. **Influential** [Rog10, Har10]. **Informatics** [Blu87]. **Ingoing** [BB54]. **Inhomogeneous** [KZJ02]. **initiative** [Ano85a, Bet76g, Bet8xb, SAB<sup>+</sup>8x]. **Innern** [vW38a, vW38b]. **Innocence** [Stu18]. **Insight** [Bet91b, Wei91]. **institut** [CCJ<sup>+</sup>34]. **Institute** [CCJ<sup>+</sup>34, RS82, WH72, Bet85a]. **Institution** [HPA97]. **integrable** [Jur89, Skr07, Skr09]. **Integral** [DB52, DBM54, DSB56]. **intellectual** [Fer68, Fer71]. **Intense** [SBB<sup>+</sup>97, SSB<sup>+</sup>97b]. **Intensity** [Ler71]. **Interaction**

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

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

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

**L** [Orb05]. **L.** [Geh73]. **Laboratory** [Bet98a, Nav06]. **Labs** [BCMR92, Bet93f]. **Labyrinth** [Hal17]. **Lack** [Bet71e]. **Ladder** [Kai05a]. **Lamb** [BBF53, BBS50, BJMK92]. **Landau** [Bro71]. **landed** [McC20]. **Landmarks** [Bar08]. **Lanouette** [Bet93a]. **Laplacian** [RJ10]. **Large** [Bet38d, BK62, Bet94d, BB94a, BB94b, Ler71, Bet49b]. **Large-Scale** [Ler71].

**largest** [RR07]. **Laser** [BV74, Bet84b, Bet84a, BV75]. **laser-heated** [BV75].  
**Last** [Dre05]. **Lattice** [BSS05, Lai74, Run67]. **Lattices**  
 [BG91b, Eva84, Per84a, Per84b]. **Laucht** [Wal15a, Wal15b]. **Laureate**  
 [Ano05b, Bof76, Bro82]. **laureates** [Bie03, Hoi01]. **Lauritsen** [Hol03]. **Law**  
 [Ben38]. **Lawrence** [Hil15]. **layer** [Bet42e]. **Leadership** [BC00]. **Leap**  
 [BCMR92]. **Lecture** [Bet56b, Bet56c, Bet94b, BCC<sup>+</sup>46, Ber96a, Bet68g].  
**Lectures** [BFvN<sup>+</sup>44, Bet99d, BDH70, Eks94]. **Lee** [Har07, RS08]. **left**  
 [Ano50]. **Legacy** [Iri06, Tur08]. **Legend** [OM18]. **Legendre** [CFR82]. **lekci**  
 [BDH70]. **length** [CWL<sup>+</sup>04]. **Lennard** [WG68]. **Lennard-Jones** [WG68].  
**Leo** [Bet93a]. **Léon** [Wal15a, Wal15b]. **Leopoldina** [HH14].  
**Leopoldina-Symposium** [HH14]. **less** [Bar88]. **Let** [ABB<sup>+</sup>50]. **Letter**  
 [Bet60b, Bet89d, BCMR92, Bet93c, Bet95c, Bet95d, Bet97c, Bla87, Cli97,  
 DeN76, Fes77, GT38, Gla76, Mar08, Maw78, McK86, Mol89, Nov76, Pal76,  
 Tel87, vHWD76, BBG<sup>+</sup>85a, Dem15, Moy97]. **Letters** [Ger75, Gir75, Gul75,  
 Hen94, KRW05, Sau75, Smi75, Wei75, Dys18, Réd05, CSB<sup>+</sup>31]. **Level**  
 [HB51b, Bet84d, Sch15]. **Levels** [Bet36a, Bet47a, BN68a]. **Li** [Bet38c].  
**Library** [Blu87, Sch68]. **Life** [BH39, Bet67e, Bet81c, Bet93d, Bet06,  
 KMN<sup>+</sup>96, Sch95, Sul75, Bet88b, BDH<sup>+</sup>89, Bet03, Gol05, PC06, BDH70].  
**Lifton** [Bet90b]. **Ligand** [Bal62, Kut05b, Kut05a]. **Ligandenfeldtheorie**  
 [Kut05b]. **Light** [Bet35a, Bet38b, BR52, Bet75e, GB89, LBC<sup>+</sup>75, RV88].  
**light-water** [LBC<sup>+</sup>75]. **Lilienthal** [Ano50]. **limit** [AAHS99]. **Line** [RJ11].  
**linear** [Bet31b]. **lineare** [Bet31b]. **Lines** [MWBB02]. **Linus** [KMN<sup>+</sup>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<sup>+</sup>97d, CH02, Sco94, BF33].  
**Magnetische** [BF33]. **Magnetized** [SSB<sup>+</sup>97b, SSB<sup>+</sup>97c]. **magneto** [Bec29].  
**magneto-optical** [Bec29]. **magneto-optischen** [Bec29]. **Magnetoplasmas**  
 [SBB<sup>+</sup>97, SSB<sup>+</sup>97a]. **magnon** [MB82]. **Make** [BT82, YB85]. **Maker**  
 [Dys18]. **Makes** [Bar08]. **Making**  
 [Bet95a, Dow83, Hod13, Hub14, Kra13, Low13, Nav14, Wal15a, Wal15b, Sch12].  
**Man** [Bet93a, Bro73a, Eds68, Hol03]. **Management** [Bet84d]. **Manhattan**  
 [Ber96a, Bet94g, BC00, HHW99]. **Manuscripts** [Hen94]. **Many**  
 [Bet36b, Bet56a, HB06, Kai05a, KB38, KS87, Pan05, Tel55, CC73, HM83,  
 MHFW72, Per63]. **many-beam** [HM83]. **Many-Body**  
 [Bet36b, Bet56a, HB06, Kai05a, KB38, KS87, CC73, Per63]. **March**



[Bet99a, BL09, Dre07, KMN<sup>+</sup>96, LB07]. **Marcus** [Bet01a]. **mark** [AP77, PBB97]. **Marks** [Sch00a]. **Markusen** [Bet90b]. **Marshak** [Gol68, Mer68]. **Marvin** [BGM91b]. **Mary** [Wal15a, Wal15b]. **Maryland** [ACM09, Blu87, Hen94, Sch68]. **Mass** [Bet46a, BP90, Bet94d, BB95, BB99, BB94a, BB94b, BLB99, BHL<sup>+</sup>01, BLB01, Gam30, Kea68, Nak63a, WG68, Bar88, Bre75, vW35]. **Mass-Energy** [BP90]. **Masses** [Bet35a, BLB01, Jea24]. **Massive** [Ros66, NaH88]. **Master** [Ber79a, Ber79b, Ber79c, Ore04]. **Masters** [Duf46]. **Materials** [ABB<sup>+</sup>46, BA59]. **Materie** [Bet30b, Bet33a]. **Math** [HD72]. **Mathematical** [Bet54b]. **Mathematics** [Ber03, FF91]. **matrices** [Skr07, Skr09]. **Matrix** [SB61, BW87]. **Matter** [BBP71, BA53, BBP63, Bet65b, Bet67a, BR67, BR67f, BBS70, Bet71d, BJ74a, BBC87a, Dys66, Han74, Neg05, Neg06, RB67b, Bet30b, Bet33a, BN68b, Bro88a, KW69]. **Maximum** [BR37b, Bet50e, BB95]. **May** [ACM09, GSS<sup>+</sup>03]. **McMahon** [Ano50]. **MD** [Bet98a]. **Meaning** [Duf46, MW46, MW07]. **Meaningless** [Bet81a]. **Measurements** [BKP40, Por04b]. **measures** [Per84a, Per84b]. **mechanical** [HBE87, Sch32]. **Mechanics** [Bet33b, Sch78, BS57a, BS57b, Bet64b, BJ68, BJ73, BJ74b, BS77, BJ80, BJ86, BS08, Saz87]. **Mechanism** [Bet94b, SB54, SB71, All56]. **mechanisms** [Bet90a]. **Medal** [Bet93e]. **Medalist** [Ros93]. **media** [DeS73]. **Medical** [Blu87]. **Medicine** [Blu87, Sch68]. **Medium** [BTH50a, SSB<sup>+</sup>97c, BTH50b, BTH50c]. **Meet** [PS69]. **Meeting** [Bet55c, CCJ<sup>+</sup>34, MR85]. **memoir** [Kil77]. **Memoirs** [Bet01b]. **Memorandum** [Bet35d, Bet52a]. **Memorial** [CJK92, Eks94, Bet55c]. **Memoriam** [GvH06]. **Memories** [BR93, MTG05]. **Memorium** [GvH05]. **Men** [All56, Ano92b, Str63, SB54, SB71, Van03]. **Menace** [All56, SB54, SB71]. **Mentality** [Bet90b]. **Mentor** [Sch05a, AM23]. **Merely** [Ber01]. **Merge** [BB98]. **Mergers** [BB99]. **merging** [BBL07]. **Meson** [BB51, BM55, Bet39b, Bet40b, Bet40c, BN40, Bet46a, BW51, Bet53b, BdH54a, BdH54b, DRS<sup>+</sup>54, LB62, MB47, Pei57, BdH54c, Bet55d, DSB56]. **meson-nucleon** [DSB56]. **Mesonen** [Bet55d]. **Mesons** [Bet54c, Bet54a, BdH55, SBdH56, Bet70b, SBdH55, Bet49c, WA94, BdH55, Bet55a, Dys55, Dys56, Jeh56, Pei57, Dys55, Pei57]. **Messages** [BBH<sup>+</sup>73]. **metal** [BF33, SB67b]. **Metall** [SB67b]. **Metalle** [Bet31b, Sch67a, Bet67c, Sch67b, SB33, SB34, SB67e]. **Metallelektronen** [BF33, Bet34b]. **Metallic** [Ano37]. **metallow** [BZ38]. **Metals** [Bet34b, BZ38, Bet31b, Bet67c, HBE87, NBP<sup>+</sup>34, Sch67a, SB33, SB53, SB67e, SB34, Sch67b]. **métaux** [NBP<sup>+</sup>34]. **meteoric** [Kra16]. **Method** [Bet38d, BBP63, LR47, MB40, PB73, WLB36, vdLB47, BK93, Cab78]. **Methoden** [Bet29d]. **methodologies** [Rig06, Rig07]. **Methods** [Bet29d, Dir69, DeS73, Dir70, Bet54b]. **Mev** [dHMAB54]. **Mezony** [Bet55a]. **Michael** [Dow83, Dow82, Hen94, Wal15a, Wal15b]. **Michel** [Sch15]. **Microfilm** [Hen94]. **microfilms** [Hen94]. **Microwave** [LR47]. **middle** [McC20]. **Migdal** [Bro71]. **migration** [Fer68, Fer71, Hol84]. **Mikheyev** [BB91a]. **Military** [Bet70c, Edg91, Hill15]. **Miller** [BGM91b]. **Minimize**

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

**N** [HB40]. **nach** [Bet29d]. **Named** [Bet63b]. **National** [Blu87, GR63, Sch68, Tel87]. **NATO** [RS82]. **Natural** [FBE+34]. **NDRC** [Bet98a]. **NDRC-B-237** [Bet98a]. **Near** [Bet75c, BBCW83]. **Near-Breeders** [Bet75c]. **nearest** [Lai74]. **necessary** [BBG+85a]. **Necessity** [Bet76e, Bet76f]. **Need** [Bet77e, BG83a, Bet91f, Bet98c, Smi75, Bet83b]. **Needed** [Bet88c]. **Negative** [LB62]. **Negotiations** [Bet54d]. **neighbor** [Lai74]. **Neobhodimost** [Bet76f]. **Net** [CBB84]. **Neuere** [Hou30]. **Neumann** [Ber10, Réd05]. **Neutrino** [BB90, BB93, BP34a, BP34b, Bet35c, BAB80, BYB82, Bet82g, BW85, Bet86a, Bet94c, BP97a, BP97b, Myr88, SSB+97d, SBB+97, SSB+97b, SSB+99a, SBDB94, SBDB95, TBDB98, Bet89a, Nav06, RV88, SSB+98]. **Neutrinos** [BS05, BS06, BBAL80, Bet92, Bet94f, BDSB94, BBD+96, Coo88, SSB+97c, SSB+97a, SSB+99b, BB91a, BBD+95, Mad86]. **Neutron** [App88, BB47, BBP71, BB51, BKP40, Bet49b, BTH50b, BTH50c, BTH50a, BS68, BBS70, BB95, Bet98b, Bet01e, BLZB01, GB51, HLB37, HB51b, LB52, MJB75, Bet52b, BL88, Eps88]. **Neutron-Star** [BLZB01]. **Neutrons** [BP35b, Bet35b, BBC56a, BBC56b, BBC57a, BBC57b, BP97c, CB48a, WLB36]. **Neveu** [DL83]. **Newton** [Hen94]. **Next** [Ale05, BL83]. **nichtstationäre** [Bet30a]. **Nickel** [Hoy54]. **Niels** [Duf46, Ano95, Bet85a, FK85, OBxx]. **nine** [Van03]. **Nitric** [KMB57]. **No** [BAA+75, BBM+76, Bet85d, Bet98a, Gir75, Hen94, BG83b, Bet75d]. **Nobel** [Ano12c, BS83, Ano05b, Bet63d, Bet67b, Bet68g, Bie03, Bof76, Bri95a, Bro82, Hoi01, Kra17, Mad83, Sch14a]. **Nobelpreis** [Sch14a]. **Non** [Bet73c, Skr09, Bet30a, Skr07]. **Non-skew-symmetric** [Skr09, Skr07].

**non-stationary** [Bet30a]. **None** [Duf46, MW46, MW47, MW07]. **Nonlinear** [BBD<sup>+</sup>96, SBB<sup>+</sup>97, SSB<sup>+</sup>97b, SSB<sup>+</sup>97c, SBDB94, SBDB95, Jur89, PcPZ90, Wie81]. **Nonstatic** [BM71, BM72]. **Nonuniform** [SSB<sup>+</sup>97d]. **Normalization** [DL83, Sat63, Tom83]. **Norms** [PcPZ90]. **Note** [Bet64c, Bet72a]. **Notes** [Bre53, RS08]. **nova** [Bet93j, BLLB00a, BLLB00b]. **Novel** [CC73]. **November** [Blu87]. **noyau** [Hei34]. **noyaux** [CCJ<sup>+</sup>34].

### **Nuclear**

[Anoxx, Bec67, BM55, BB36, Bet36b, Bet37a, BP37, Bet39b, Bet40b, Bet40c, Bet40d, Bet47b, Bet49a, BL50, Bet50e, BB52, Bet54a, Bet55a, Bet56b, Bet56c, Bet56a, Bet60a, BBP63, Bet65b, Bet67a, BR67, Bet67f, Bet70b, Bet71d, Bet74, Bet75d, BAA<sup>+</sup>75, Bet76b, Bet76g, Bet77a, Bet77d, Bet77e, Bet80b, Bet82e, BT82, Bet83b, BBCW83, BMG87, Bet88c, Bet90d, Bet91f, BGM91a, BGM91b, Bet93f, BGS95b, BGS95a, Bet97a, Bet98c, Bet99c, BCC<sup>+</sup>46, Bof76, Bro97, Bro05a, Dow83, For57, For87, Gam30, HB06, Hoy54, KMT46, LB50, LB52, LB37, McC20, MB85, MB86, Mla98, MJBA75, MHFW72, Neg05, Neg06, Pei91a, Pei91b, Pri56, RB67b, RB37b, Sal52, Sch12, Seg59a, Seg53, Seg59b, Seg85, Stu18, TB84, Usd09, Wal15a, Wal15b, BCSF82, Bet54c, BM56, BT61, BN68b, BJ76, BBL86, Bet89c, BG91a, 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, SSB75, Bet49c, BTH50b, BTH50c, BG57, CCJ<sup>+</sup>34, Lee11, MR85]. **Nucleon** [Bet53b, CB60, DRS<sup>+</sup>54, FT75, SB61, DSB56, Fle73]. **Nucleon-Nucleon** [SB61, Fle73]. **nucleosynthesis** [AWCT09, App88]. **Nucleus** [Bet36a, Bet40a, Bet53c, BM71, BM72, Bet84c, FR13, Hei34, Hou30]. **Nuke** [Ano05a]. **Nukes** [BG83a]. **Nullpunkttemperatur** [BBR31]. **Number** [Bet36a, Bet94d, BB94a, BB94b]. **Numbers** [Ben38, CWL<sup>+</sup>04]. **Numerical** [BBS50]. **Nurturing** [Ale05]. **NY** [Ano37]. **Nye** [Wal15a, Wal15b].

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

[BKJ84, Bet88d, Bet05b, GS05, Got06b, PBB97, Tuc05, Dit80]. **Objects** [BB98, BBL07]. **Observation** [RV88]. **Observational** [BB95]. **Observations** [Ber01, Bet54e, Bet82f, Bet89e, BP90, Por03]. **observed** [Por04b]. **Obtainable** [BR37b]. **obtained** [Roj07]. **Obtaining** [vdLB47]. **occasion** [AP77, BCSF82, Gol68, MB66]. **occupancies** [YLG02]. **Occurring** [Hoy54]. **ocean** [Gur01]. **October** [CCJ<sup>+</sup>34, KMP98]. **octobre** [CCJ<sup>+</sup>34]. **Oersted** [Bet93e, Ros93]. **Off** [TB84, AFF01]. **off-shell** [AFF01]. **Office** [Bet98a, Orb05]. **Old** [Bet95b]. **One** [Bet33b, FT75, MW46, MW47, MW07, Sch78, BS57a, BS57b, BS77, BS08, Fri99, Har10, Lai74, LYS01, MB82, YLG02, Duf46]. **One-** [Bet33b, Sch78, BS57a, BS57b, BS08]. **one-and** [BS77]. **One-Boson** [FT75]. **one-dimensional** [LYS01, YLG02]. **Open** [Tel87, LYS01, BBG<sup>+</sup>85a]. **opened** [MR85]. **Opening** [Sch00a]. **operators** [KM01]. **Oppenheimer**

[Aft02, Bet67d, Bet97b, Edg91, Fra01, Lan00, Olw01, RB67a, Sar01, Sei01, ACU<sup>+</sup>54, Ano50, Bet38e, Bet63b, Bet67e, BSK67, Bet68f, Bet91e, Bro82, 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<sup>+</sup>96]. **Origin** [ABG48, Bet01a, Gam66, Pen79]. **Origins** [Cho01, Wal15a, Wal15b]. **Oscillator** [Bet56d, CTSOS99, Bas71]. **Oskar** [Eks94]. **Osteochondrosen** [HB69]. **osteochondroses** [HB69]. **other** [Bri95a]. **Otto** [BW80]. **overflow** [Fri99]. **overlooked** [Mad83]. **Own** [BCMR92]. **Oxford** [AP77, DS88]. **Oxide** [KMB57]. **Oxygen** [BLZB01].

**P** [BKHS89, Bet91g, CJK92, JMWB86, HB40]. **P.** [CJK92]. **Pacific** [Ken54]. **pages** [Fra01]. **Pair** [BM54, DB52, DBM54, MB52, SB59]. **Palgrave** [Wal15a, Wal15b]. **Pandora** [Van03]. **Panel** [BWL85, SBR<sup>+</sup>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<sup>+</sup>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<sup>+</sup>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<sup>+</sup>83, Seg85, Bet91j]. **Perspectives** [MB66, Opp66, Sch95, Mer68, Gol68]. **Perturbation** [BS43, Kea71, Liu72]. **Perturbations** [Bet38d]. **Peter** [BH88, Hen94]. **Peterson** [Pei57]. **Pevsner** [Bet78a]. **pH** [Rig07]. **Phase** [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<sup>+</sup>75, FT70, HBD71]. **Physicist**  
 [Bet81c, Hod13, Hub14, Iri06, Kra13, Low13, Nav14, Pei85, Wal15a, Wal15b, Wei91, Sch12, Bet89b, Bet91b]. **Physicists** [PS69, Bet01d, Hol84]. **Physics**  
 [ABP98, Ano12c, Anoxx, BB93, Bec67, BM55, BB36, Bet37a, BM39, Bet65a, Bet67b, BDH70, BS83, Bet88c, Bet93d, Bet95b, Bet97a, Bet99d, BM04, BGA<sup>+</sup>13, BCC<sup>+</sup>46, Bro05a, Bro06b, DS88, For87, Gol68, Han74, LB37, MA06, Mer68, MKR87, Mla98, Mon49, Pan05, Ros93, Seg59a, Seg53, SSB<sup>+</sup>99a, Stu18, Tho99, Wal15a, Wal15b, AP77, APB96, BBL86, BDH<sup>+</sup>89, Bet93e, Bet99c, BM05, Bra05, BL06a, Dir69, Dir70, FF91, Fri99, GSS<sup>+</sup>03, Haw11, Kai05b, KHFA67, MB66, MR85, MHFW72, Opp66, Stu79, Uns00, WH72, dSFvLH66, Bet55d, CCJ<sup>+</sup>34, JKWW85, JKWW15, RS08, Bet54b, Har07]. **Physik** [HH14, Bet55d, Uns00, FBB14]. **physikalische** [HBD71]. **Physiker** [Bet01d]. **physique** [CCJ<sup>+</sup>34]. **pi** [Bet55d]. **pi-Mesonen** [Bet55d]. **picture** [SBSW60]. **Pilgrimages** [Bet04]. **Pion**  
 [Bet72b, Bet73a, JB78, dHMAB54, Bet55b, BJ76]. **pion-proton** [Bet55b]. **Pioneer** [Ano05a]. **Pioneers** [Tho99]. **Pions** [Bet77f]. **Plan**  
 [Bet60c, BG82b]. **Planar** [CH02]. **planet** [Ano85a]. **Plasma**  
 [BV74, BBD<sup>+</sup>96, SSB<sup>+</sup>99a, TBDB98, BV75]. **Plasmas**  
 [BDSB94, SSB<sup>+</sup>97b, SBDB94, SBDB95, BBD<sup>+</sup>95]. **Plate** [BW39]. **Pledge**  
 [ABB<sup>+</sup>50]. **Plenum** [Sch78]. **Plenum/Rosetta** [Sch78]. **plus** [LW71]. **Point**  
 [Bet69b, Bet94g, Bey80]. **Polanyi** [Wal15a, Wal15b]. **Polarization**  
 [Bet58b, RB39, SB61]. **Polarized** [SB61]. **Pole** [ROB63]. **Poles**  
 [BK62, Nak66]. **policies** [CHW91]. **Policy**  
 [Bet75a, Bet82e, Bet84b, Dre06, EBU<sup>+</sup>52]. **political** [Bro82]. **Politics**  
 [Hab69, Wal15a, Wal15b, LW71, Bet01b]. **Polymath** [Har01]. **Polynomials**  
 [WF11]. **polystyrene** [Por97]. **Ponderomotive** [BBD<sup>+</sup>96]. **Positive** [BH34]. **Positrons** [Bet35e]. **possibility** [BG91a]. **Possible**  
 [Bet50e, Bet82c, Bet86a, Bet94c]. **postgraduate** [Sch15]. **postwar**  
 [Fin06, Kai05b]. **Potential** [BK62, Kea69, Ong88, SB53, SB67d]. **Potentialfeld** [SB67d]. **Potentials** [BJ74a, WG68]. **Power** [Bet35c, BBW50, BAA<sup>+</sup>75, Bet76b, Bet76e, Bet76f, Bet77a, Bet77d, Bet77e, Bet91f, Bet98c, FvHW79, Por98, Por04a, WB51, Bet91j, Por97, Por99, Por04b, SB76]. **Pp**  
 [Edg91, Hen94, Nav14, Pei57, Sch68, Tho99, Bet54b, Duf46, Gol68, Hod13, Hub14, Wal15a, Wal15b]. **Practice** [Pei57]. **Preceded** [Ken54]. **precision**  
 [Tur08]. **Predictions** [Bet99b]. **Preis** [Sch78, Sch67b, Sch67a]. **Preludes**  
 [dSFvLH66]. **presence** [BJ77]. **Present** [CC73, RYBB73, CHW91]. **presented** [BCSF82, Bet93e, Blu87]. **Preservation** [Bet93g]. **President**  
 [Kil77, ABB<sup>+</sup>80, Bet97c, GBG<sup>+</sup>86]. **President-Elect** [ABB<sup>+</sup>80]. **Press**  
 [Edg91, Fra01, Hod13, Hub14, Nav14, Tho99, Wal15a, Wal15b]. **Pressure**  
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**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 ???

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RMPHAT. ISSN 0034-6861 (print), 1538-4527 (electronic), 1539-0756. URL <http://link.aps.org/doi/10.1103/RevModPhys.9.69>; [http://rmp.aps.org/abstract/RMP/v9/i2/p69\\_1](http://rmp.aps.org/abstract/RMP/v9/i2/p69_1).

**Bethe:1937:STC**

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

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

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

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**Bethe:1942:EPS**

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- [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>.

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

**Bethe:1942:TBL**

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

**Bethe:1943:ECT**

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

**Bethe:1943:FTW**

- [Bet43b] Hans A. (Hans Albrecht) Bethe. Formal theory of wave guides of arbitrary cross section. Technical report, Radiation Laboratory,

Massachusetts Institute of Technology, Cambridge, MA, USA, 1943. 16 pp.

**Bethe:1943:LCS**

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

**Bethe:1943:TSW**

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

**Bethe:1944:TDS**

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

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- [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).

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- [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.

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- [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.

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**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>.

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- [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](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](http://prola.aps.org/abstract/PR/v90/i5/p994_2).

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**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  $\pi$ -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>.

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- [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](http://rmp.aps.org/abstract/RMP/v27/i3/p249_1).

**Bethe:1955:PPM**

- [Bet55d] Hans A. Bethe. Physik der pi-Mesonen. (German) [Physics of the  $\pi$ -meson]. In E. Brüche and H. Franke, editors, *Physikertagung Wiesbaden 1955. Hautvorträge der Jahrestagung 1955*, page ?? Physikverlag, Mosbach/Baden, West Germany, 1955. LCCN ????

**Bethe:1956:NMB**

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