

Publications of D.H.Jakubaña-Amundsen

1. Calculation on the nuclear breathing modes.
D.H.Jakubaña, Z.Phys. 261 (1973) 305
2. Calculation on the 0^+ and 2^+ giant resonances in Ni⁵⁸.
D.H.Jakubaña, Z.Phys. 268 (1974) 409
3. Bremsstrahlung in heavy-ion reactions.
D.H.Jakubaña and M.Kleber, Z.Phys. A273 (1975) 29
4. Radiative electron capture in heavy-ion collisions.
M.Kleber and D.H.Jakubaña, Nucl. Phys. A252 (1975) 152
5. Semiclassical theory of positron emission in transient supercritical atoms.
D.H.Jakubaña and M.Kleber, Z.Phys. A277 (1976) 41
6. K -Vacancy creation and positron emission in heavy-ion collisions.
D.H.Jakubaña, Phys. Lett. 58A (1976) 163
7. δ -Rays from K -shell ionisation induced by heavy ions.
C.Kozuharov, P.Kienle, D.H.Jakubaña and M.Kleber, Phys. Rev. Lett. 39, (1977) 540
8. Dynamical screening of ions passing through solids.
D.H.Jakubaña, J.Phys. C10 (1977) 4491
9. Variational calculation of the $1s$ orbital in quasi-molecular systems.
D.H.Jakubaña, Z.Phys. A285 (1978) 249
10. Variational method for inner-shell excitation in heavy-ion collisions.
D.H.Jakubaña, Z.Phys. A290 (1979) 13
11. δ -Electrons from K - and L -shell ionisation in relativistic systems.
D.H.Jakubaña, Z.Phys. A293 (1979) 281
12. K -Shell excitation in slow collisions of relativistic atoms.
D.H.Jakubaña and K.Taulbjerg, J.Phys. B13 (1980) 757
13. Equivalence of the adiabatic approximation and the Born approximation for excitations in slowly colliding asymmetric systems.
D.H.Jakubaña and P.A.Amundsen, J.Phys. B12 (1979) L725
14. Electron loss from medium-energy projectiles in collisions with heavy target atoms.
D.H.Jakubaña, J.Phys. B13 (1980) 2099
15. Charge transfer in asymmetric heavy-ion collisions.
P.A.Amundsen and D.H.Jakubaña, J.Phys. B13 (1980) L467
16. On the semiclassical impulse approximation for electron capture in asymmetric ion-atom collisions.
D.H.Jakubaña-Amundsen and P.A.Amundsen, Z.Phys. A297 (1980) 203
17. Charge transfer in heavy-ion collisions at relativistic velocities.
D.H.Jakubaña-Amundsen and P.A.Amundsen, Z.Phys. A298 (1980) 13

18. Semiclassical impulse approximation for L -shell electron capture in asymmetric heavy-ion collisions.
D.H.Jakubaßa-Amundsen, J.Phys. B14 (1981) 2647
19. Semiclassical Faddeev approximation for electron loss in fast heavy-ion collisions.
D.H.Jakubaßa-Amundsen, J.Phys. B14 (1981) 3199
20. On the validity of the impulse approximation for electron capture in asymmetric collisions.
D.H.Jakubaßa-Amundsen and P.A.Amundsen, J.Phys. B14 (1981) L705
21. Charge transfer at large scattering angles in asymmetric ion-atom collisions.
P.A.Amundsen and D.H.Jakubaßa-Amundsen, Physica Scripta 26 (1982) 155
22. Angular distribution of δ -electrons emitted in slow, asymmetric heavy-ion collisions.
D.H.Jakubaßa-Amundsen, Physica Scripta 26 (1982) 319
23. Impact-parameter dependence of K -shell ionisation in slow collisions of near-symmetric relativistic atoms.
D.H.Jakubaßa-Amundsen, P.A.Amundsen and K.Aashamar, J.Phys. B16 (1983) 1047
24. Direct pair production in heavy-ion-atom collisions.
R.Anholt, D.H.Jakubaßa-Amundsen, P.A.Amundsen and K.Aashamar, Phys. Rev. A27 (1983) 680
25. Electron emission in asymmetric collisions with fast heavy projectiles via continuum charge transfer.
D.H.Jakubaßa-Amundsen, J.Phys. B16 (1983) 1767
26. Ionisation of fast Rydberg ions in collisions with target atoms.
D.Röschenthaler, H.-D. Betz, J.Rothermel and D.H.Jakubaßa-Amundsen, J.Phys. B16 (1983) L233
27. Charge transfer at large scattering angles in the strong potential Born approximation.
P.A.Amundsen and D.H.Jakubaßa-Amundsen, J.Phys. B17 (1984) 2671
28. Calculation of muonic Coulomb capture probabilities from electron binding energies.
T.v.Egidy, D.H.Jakubaßa-Amundsen and F.Hartman, Phys. Rev. A29 (1984) 455
29. On the anisotropy of δ -electrons from slow heavy-ion collisions in the emission angles ϑ_f and φ_f .
D.H.Jakubaßa-Amundsen, Z.Phys. A315 (1984) 21
30. Inverted cusps in electron spectra near zero electron velocity in inelastic ion-atom collisions.
H.Böckl, R.Spies, F.Bell and D.H.Jakubaßa-Amundsen, Phys. Rev. A29 (1984) 983
31. On the effect of off-shell wavefunctions on K and L shell charge transfer in fast, asymmetric collisions.
D.H.Jakubaßa-Amundsen, Z.Phys. A316 (1984) 161
32. Charge transfer to a fast projectile in the presence of a nuclear resonance.
P.A.Amundsen and D.H.Jakubaßa-Amundsen, Phys. Rev. Lett. 53 (1984) 222
33. The doubly differential alignment parameter A_2 for the L_3 subshell ionisation by heavy ion impact.
R.Spies, H.Böckl, F.Bell and D.H.Jakubaßa-Amundsen, J.Phys. B17 (1984) 2841
34. Radiative electron capture in fast ion-atom collisions.
D.H.Jakubaßa-Amundsen, R.Höppler and H.-D.Betz, J.Phys. B17 (1984) 3943
35. Theoretical description of the cusp electrons ejected in asymmetric heavy-ion collisions.
D.H.Jakubaßa-Amundsen, Lecture Notes in Physics, Vol. 213, p.17. Springer-Verlag, Berlin (1984)
36. Electron capture across a nuclear resonance in the strong potential Born approximation.
D.H.Jakubaßa-Amundsen and P.A.Amundsen, J.Phys. B18 (1985) 757
37. The nonadiabatic sliding model and its application to δ -electron emission.
D.H.Jakubaßa-Amundsen, Z.Phys. A320 (1985) 557
38. Exact relativistic second Born approximation for electron capture.
D.H.Jakubaßa-Amundsen and P.A.Amundsen, Phys. Rev. A32 (1985) 3106
39. Nonadiabatic sliding model for rearrangement collisions.
D.H.Jakubaßa-Amundsen, Phys. Rev. A32 (1985) 2166

40. Radiative electron capture accompanying resonant nuclear scattering.
D.H.Jakubaša-Amundsen, Z.Phys. A322 (1985) 191
41. On the applicability of the impulse approximation for radiative electron capture into bound and continuum states.
D.H.Jakubaša-Amundsen, J.Phys. B20 (1987) 325
42. Comment on magnetic e^+e^- resonances in a central field.
D.H.Jakubaša-Amundsen, Phys. Lett. A120 (1987) 407
43. Distorted wave Born theory for electron capture during resonant nuclear scattering.
D.H.Jakubaša-Amundsen, J.Phys. B20 (1987) L705
44. Coupled subshell approximation for L -shell ionisation.
P.A.Amundsen and D.H.Jakubaša-Amundsen, J.Phys. B21 (1988) L99
45. Impulse approximation for cusp electron production from target K and L shells.
D.H.Jakubaša-Amundsen, Phys. Rev. A38 (1988) 70
46. Theoretical models for atomic charge transfer in ion-atom collisions.
D.H.Jakubaša-Amundsen, Int. J. Mod. Phys. A4 (1989) 769
47. $K\alpha_1$ X-ray satellites of tantalum bombarded with fast nitrogen ions.
R.Salziger, G.L.Borchert, D.Gotta, O.W.B.Schult, D.H.Jakubaša-Amundsen, P.A.Amundsen and K.Rashid, J.Phys. B22 (1989) 821
48. Relativistic theory for K -shell ionisation by fast electrons.
D.H.Jakubaša-Amundsen, Z.Phys. D11 (1989) 305
49. Electronic motion in a time-dependent two-center model potential.
D.H.Jakubaša-Amundsen and J.Macek, J.Phys. A22 (1989) 4151
50. The forward peak for neutral projectiles.
D.H.Jakubaša-Amundsen, J.Phys. B22 (1989) 3989
51. Spectral distribution of electrons emitted into the continuum of fast projectiles: Theoretical approaches of higher order in comparison with experiment.
D.H.Jakubaša-Amundsen (invited talk at the ICPEAC 1989, New York), AIP Conference Proceedings 205 (1990) 358
52. Relativistic second Born theory for electron capture.
D.H.Jakubaša-Amundsen, Phys. Rev. A42 (1990) 653
53. The second Born approximation for electron loss to the continuum.
D.H.Jakubaša-Amundsen, J.Phys. B23 (1990) 3335
54. Influence of nuclear reactions on electron transfer in energetic ion-atom collisions.
D.H.Jakubaša-Amundsen, Phys. Rev. Lett. 65 (1990) 2247
55. The impulse approximation for electron transfer in reactive nucleus-atom collisions.
D.H.Jakubaša-Amundsen, J.Phys. B24 (1991) 3019
56. Momentum distribution of an electron scattered from a screened potential.
D.H.Jakubaša-Amundsen, Phys. Lett. A158 (1991) 129
57. Second-order theories for electron loss in fast collisions with He atoms.
D.H.Jakubaša-Amundsen, Z.Phys. D22 (1992) 701
58. Electron capture and loss to continuum from 200 keV/u H^0 and He^0 projectiles colliding with He and Ar targets.
H.Trabold, G.M.Sigaud, D.H.Jakubaša-Amundsen, M.Kuzel, O.Heil and K.O.Groeneveld, Phys. Rev. A46 (1992) 1270

59. The doubly inelastic contribution to electron loss: H^0 and He^0 (0.5 MeV u^{-1}) in collision with Ar.
 M.Kuzel, O.Heil, R.Maier, M.W.Lucas, D.H.Jakubaßa-Amundsen, B.W.Farmery and K.O.Groeneveld,
J.Phys. B25 (1992) 1839
60. A systematic study of relativistic $(e, 2e)$ collisions in comparison with experiment.
 D.H.Jakubaßa-Amundsen, *J.Phys.* B25 (1992) 1297
61. The electron loss peak in ion-atom collisions: A probe for the projectile or for the target atomic structure.
 D.H.Jakubaßa-Amundsen, *J.Phys.* B26 (1993) L227
62. Strong potential second Born theory for electron loss to the continuum in collision with heavy targets.
 D.H.Jakubaßa-Amundsen, *J.Phys.* B26 (1993) 2853
63. Electron capture to continuum in collisions of bare projectiles with Ne targets.
 W.Oswald, R.Schramm, D.H.Jakubaßa-Amundsen and H.-D.Betz, *J.Phys.* B27 (1994) 513
64. Ramsauer-Townsend effect in the electron loss from H^0 colliding with heavy atoms.
 M.Kuzel, R.Maier, O.Heil, D.H.Jakubaßa-Amundsen, M.W.Lucas and K.O.Groeneveld, *Phys. Rev. Lett.*
 71 (1993) 2879
65. Elastic scattering of quasi-free electrons in strongly asymmetric collisions.
 M.Kuzel, R.D.DuBois, R.Maier, O.Heil, D.H.Jakubaßa-Amundsen, M.W.Lucas and K.O.Groeneveld,
J.Phys. B27 (1994) 1993
66. Influence of the projectile field on free target electrons.
 D.H.Jakubaßa-Amundsen, *Phys. Rev.* A49 (1994) 2634
67. The importance of continuum eigenstates in electron spectroscopy.
 D.H.Jakubaßa-Amundsen (invited talk at the Hungarian workshop on inner-shell ionisation, Debrecen,
 1993), *Nucl. Instr. Meth.* B86 (1994) 82
68. Inner-shell ionisation of heavy targets by polarised and unpolarised electrons.
 D.H.Jakubaßa-Amundsen, *J.Phys.* B28 (1995) 259
69. Target dependence of binary encounter electron peak anomalies in collisions of partially stripped heavy
 ions with molecular hydrogen and noble gases.
 W.Wolff, J.Wang, H.E.Wolf, J.L.Shinpaugh, R.E.Olson, D.H.Jakubaßa-Amundsen, S.Lencinas,
 U.Bechthold, R.Herrmann and H.Schmidt-Böcking, *J.Phys.* B28 (1995) 1265
70. A quasielastic scattering approximation for target ionisation by heavy structured projectiles.
 D.H.Jakubaßa-Amundsen, *Z.Phys.* D34 (1995) 9
71. On the validity of the Coulomb Born approximation for $(e, 2e)$ reactions.
 D.H.Jakubaßa-Amundsen, *Phys. Rev.* A53 (1996) 2359
72. Quasifree electron scattering in atomic collisions: The Ramsauer-Townsend effect revisited.
 M.W.Lucas, D.H.Jakubaßa-Amundsen, M.Kuzel and K.O.Groeneveld, *Int. J. Mod. Phys.* A12 (1997)
 305
73. Relativistic theory for binary encounter electron emission.
 D.H.Jakubaßa-Amundsen, *J.Phys.* B30 (1997) 365
74. Adiabatic theory for binary encounter electron emission.
 D.H.Jakubaßa-Amundsen and P.Kürpick, *Phys. Rev.* A56 (1997) 395
75. Three-dimensional Fourier representation of a scattering eigenstate.
 D.H.Jakubaßa-Amundsen, *Phys. Lett.* A227 (1997) 291
76. Solid state effects in binary encounter electron emission from 13.6 MeV u^{-1} Ar^{17+} collisions with C, Al,
 Cu and Au.
 H.Rothard, D.H.Jakubaßa-Amundsen and A.Billebaud, *J.Phys.* B31 (1998) 1563

77. High resolution study of ion induced $K\alpha_{1,2}$ X-ray spectra from high- Z elements.
 D.F.Anagnostopoulos, G.Borchert, D.Gotta, K.Rashid, D.H.Jakubaña-Amundsen and P.A.Amundsen, Phys. Rev. A58 (1998) 2797
78. Fast electron production in atomic collisions induced by 77 MeV/u ^{40}Ar ions studied with a multidetector.
 G.Lanzanò, E.De Filippo, S.Aiello, M.Geraci, A.Pagano, G.Politi, S.Cavallaro, F.Lo Piano, E.C.Pollaco, C.Volant, S.Vuillier, C.Beck, D.Mahboub, R.Noucier, H.Rothard and D.H.Jakubaña-Amundsen, Phys. Rev. A58 (1998) 3634
79. Theory of binary encounter electron transmission through foil targets.
 D.H.Jakubaña-Amundsen (HCI Proceedings, Bensheim, 1998), Physica Scripta T80 (1999) 252
80. Fast electrons from collisions of highly stripped ions with solid state targets.
 D.H.Jakubaña-Amundsen and H.Rothard, Phys. Rev. A60 (1999) 385
81. Momentum spectroscopy of electrons lost by light projectiles in collisions with neon targets.
 T.Jalowy, D.H.Jakubaña-Amundsen, M.W.Lucas and K.O.Groeneveld, Phys. Rev. A61 (2000) 022714
82. Strong potential second Born theory for low-energy electron emission in asymmetric collisions.
 D.H.Jakubaña-Amundsen, Eur. Phys. J. D10 (2000) 319
83. Electrons from neutral projectiles and targets: Peaks and Ramsauer-Townsend structures.
 D.H.Jakubaña-Amundsen (invited talk at the CAARI 2000, Denton, Texas), AIP Conference Proceedings 576, eds. J.L.Duggan and I.L.Morgan (2001) 197
84. Theory and measurement of absolute doubly differential cross sections of binary encounter electron ejection in collisions of swift heavy ions with solids.
 H.Rothard, G.Lanzanó, D.H.Jakubaña-Amundsen, E.De Filippo and D.Mahboub, J.Phys. B34 (2001) 3261
85. Asymmetry in the low-energy electron ejection from colliding neutral atoms
 D.H.Jakubaña-Amundsen, J.Phys. B34 (2001) 4865
86. Spin asymmetry in weakly relativistic ($e, 2e$) collisions.
 D.H.Jakubaña-Amundsen, Phys. Rev. A65 (2002) 034706
87. Electron capture by highly charged projectiles under channeling conditions.
 D.H.Jakubaña-Amundsen, Phys. Rev. B 65 (2002) 174110
88. Radiative electron capture to continuum in relativistic ion-atom collisions.
 D.H.Jakubaña-Amundsen, J.Phys. B36 (2003) 1971
89. Absolute cross sections for binary encounter electron ejection by 95 MeV/u $^{36}\text{Ar}^{18+}$ penetrating carbon foils.
 E.De Filippo, G.Lanzano, H.Rothard, C.Volant, D.H.Jakubaña-Amundsen, S.Aiello, A.Anzalone, N.Arena, M.Geraci, F.Giustolisi and A.Pagano, Phys. Rev. A68 (2003) 024701
90. Bremsstrahlung during electron capture to continuum.
 D.J.Jakubaña-Amundsen, Rad. Phys. Chem. 75 (2006) 1319
91. Competing processes for electron capture to continuum in relativistic ion-atom collisions.
 D.H.Jakubaña-Amundsen, Eur. Phys. J. D41 (2007) 267
92. Radiative electron capture to continuum (RECC) and the short-wavelength limit of electron-nucleus bremsstrahlung in 90AMeV $\text{U}^{88+}(1s^22s^2) + \text{N}_2$ collisions.
 M.Nofal, S.Hagmann, Th.Stöhlker, D.H.Jakubaña-Amundsen, Ch.Kozuharov, X.Wang, A.Gumberidze, U.Spillmann, R.Reuschl, S.Heß, S.Trotsenko, D.Banas, F.Bosch, D.Liesen, R.Moshammer, J.Ullrich, R.Dörner, M.Steck, F.Nolden, P.Beller, H.Rothard, K.Beckert and B.Franczak, Phys.Rev.Lett. 99 (2007) 163201
93. The polarization of bremsstrahlung from radiative ionization induced by relativistic highly charged projectiles.
 D.H.Jakubaña-Amundsen, J.Phys.B 40 (2007) 2719

94. Radiative ionization: The link between radiative electron capture and bremsstrahlung.
D.H.Jakubaša-Amundsen, *Radiation Physics Research Progress*, Chapter 3, pp155-191, Novapublishers, New York (2008)
95. The binary encounter peak in radiative ionization.
D.H.Jakubaša-Amundsen, Phys. Lett. A 373 (2008) 123
96. Electron – heavy nucleus bremsstrahlung at highly relativistic impact energies.
D.H.Jakubaša-Amundsen, Phys. Rev. A 82 (2010) 042714
97. Polarization correlations in electron – nucleus bremsstrahlung: The short – wavelength limit.
D.H.Jakubaša-Amundsen and A.Surzhykov, Eur. Phys. J. D (2011)
98. Polarization transfer in relativistic electron – nucleus bremsstrahlung.
D.H.Jakubaša-Amundsen, Phys. Lett. A (2011)
99. The Sherman function in highly relativistic electron-atom scattering.
D.H.Jakubaša-Amundsen and R.Barday, J. Phys. G 39 (2012) 025102
100. Equivalence of a tip bremsstrahlung quantum and an elastically scattered electron at ultrahigh energies
D.H.Jakubaša-Amundsen, Phys. Rev. A 85 (2012) 042714
101. Relativistic theory for radiative ionization of light atoms by heavy ions.
D.H.Jakubaša-Amundsen and V.A.Yerokhin, Eur. Phys. J. D 67:4 (2013)
102. Polarization in elastic electron scattering from spin 1/2 nuclei.
D.H.Jakubaša-Amundsen, Nucl. Phys. A 896 (2012) 59
103. Bremsstrahlung polarization correlations and their application for polarimetry of electron beams.
S.Tashenov, T.Bäck, R.Barday, B.Cederwall, J.Enders, A.Khahanov, Yu.Fritzsche, K.-U.Schässburger, A.Surzhykov, V.A.Yerokhin and D.H.Jakubaša-Amundsen, Phys. Rev. A 87 (2013) 022707
104. High-energy bremsstrahlung from polarized electrons colliding with spin $\frac{1}{2}$ nuclei.
D.H.Jakubaša-Amundsen, Phys. Rev. C 87 (2013) 064609
105. Diffraction structures in high-energy electron-nucleus bremsstrahlung.
D.H.Jakubaša-Amundsen, Phys. Lett. A 377 (2013) 1885
106. DWBA theory for elastic scattering of polarized electrons from heavy unpolarized nuclei.
J. Phys. G 41 (2014) 075103
107. Radiative-electron-capture-to-continuum cusp in $U^{88+} + N_2$ collisions and the high-energy endpoint of electron-nucleus bremsstrahlung.
P.-M.Hillenbrand, S.Hagmann, D.Aтанасов, D.Banaš, K.-H.Blumenhagen, C.Brandau, W.Chen, E.De Filippo, A.Gumberidze, D.L.Guo, D.H.Jakubaša-Amundsen, O.Kovtun, C.Kozuharov, M.Lestinsky, Yu.A.Litvinov, A.Müller, R.A.Müller, H.Rothard, S.Schippers, M.S.Schöfle, U.Spillmann, A.Surzhykov, S.Trotsenkov, N.Winckler, X.L.Yan, V.A.Yerokhin, X.L.Zhu and Th.Stöhlker, Phys. Rev. A 90 (2014) 022707
108. Relativistic theory for radiative forward electron emission in heavy ion-atom encounters.
D.H.Jakubaša-Amundsen, R.A.Müller, A.Surzhykov and V.A.Yerokhin, Eur. Phys. J. D 68 (2014) No.367
109. Electron-capture-to-continuum cusp in $U^{88+} + N_2$ collisions.
P.-M.Hillenbrand, S.Hagmann, D.H.Jakubaša-Amundsen, J.M.Monti, D.Banaš, K.-H.Blumenhagen, C.Brandau, W.Chen, P.D.Fainstein, E.De Filippo, A.Gumberidze, D.L.Guo, M.Lestinsky, Yu.A.Litvinov, A.Müller, R.D.Rivarola, H.Rothard, S.Schippers, M.S.Schöfle, U.Spillmann, S.Trotsenko, X.L.Zhu and Th.Stöhlker, Phys. Rev. A 91 (2015) 022705
110. Polarization in nuclear excitation by electron impact.
D.H.Jakubaša-Amundsen, Nucl. Phys. A 937 (2015) 65
111. Electric dipole excitation of ^{208}Pb by polarized electron impact.
D.H.Jakubaša-Amundsen and V.Yu.Ponomarev, Eur. Phys. J. A 52 (2016) No.48

112. Relativistic theory for the elementary process of bremsstrahlung induced by heavy spin-zero nuclei.
D.H.Jakubaßa-Amundsen, Phys. Rev. A 93 (2016) 052716
113. Coincident excitation and radiative decay in electron-nucleus collisions.
D.H.Jakubaßa-Amundsen and V.Yu.Ponomarev, Phys. Rev. C 95 (2016) 024310
114. Bremsstrahlung background in inelastic electron-nucleus collisions.
D.H.Jakubaßa-Amundsen and A.Krugmann, J. Phys. G 44 (2017) 045103
115. Validity of sum rules for the polarization transfer in electron bremsstrahlung.
D.H.Jakubaßa-Amundsen, Eur. Phys. J. D 71 (2017) 209
Numerical test of polarization sum rules for the triply differential bremsstrahlung cross section in electron-nucleus encounters.
D.H.Jakubaßa-Amundsen, arXiv:1610.09137 [physics.atom-ph] (2016)
116. Higher-order theories for relativistic electron-atom bremsstrahlung in comparison with experiment.
A.Mangiarotti and D.H.Jakubaßa-Amundsen, Phys. Rev. A 96 (2017) 042701
117. On the Born limit of relativistic electron and positron bremsstrahlung in the field of heavy nuclei.
D.H.Jakubaßa-Amundsen, J. Phys. B51 (2018) 055001 Relativistic positron scattering from heavy ground-state nuclei.
D.H.Jakubaßa-Amundsen, arXiv:1802.1036 [physics.atom-ph] (2018)
118. Comparative study of eV to GeV electrons and positrons scattering elastically from neutral atoms.
A.K.F.Haque, M.A.Uddin, D.H.Jakubaßa-Amundsen and B.C.Saha, J. Phys. B 51 (2018) 175202
119. Elastic scattering of spin-polarized electrons and positrons from ^{23}Na nuclei.
D.H.Jakubaßa-Amundsen, Nucl. Phys. A 975 (2018) 107
120. Electron-electron-photon polarization correlations in high-energy bremsstrahlung.
D.H.Jakubaßa-Amundsen, Phys. Rev. A 98 (2018) 062715
121. The DSM theory for tip electron-atom bremsstrahlung at 5 - 500 MeV.
D.H.Jakubaßa-Amundsen, Rad. Phys. Chem. 162 (2019) 172
122. Excitation of the electric pygmy dipole resonance by inelastic electron scattering.
V.Yu Ponomarev, D.H.Jakubaßa-Amundsen, A.Richter and J.Wambach, Eur. Phys. J. A 55 (2019) : 236
123. $e^\pm - \text{Ar}$ scattering in the energy range $1 \text{ eV} \leq E_i \leq 0.5 \text{ GeV}$.
M.M.Haque, A.K.F.Haque, D.H.Jakubaßa-Amundsen, M.A.R.Patoary, A.K.Basak, M.Maaza, B.C.Saha and M.A.Uddin, J. Phys. Commun. 3 (2019) 045011
124. Scattering of e^\mp from ytterbium atoms.
M.Shorifuddoza, M.A.R.Patoary, D.H.Jakubaßa-Amundsen, A.K.F.Haque and M.A.Uddin, Eur. Phys. J. D 73 (2019) 164
125. Accuracy of analytical theories for relativistic bremsstrahlung.
D.H.Jakubaßa-Amundsen and A.Mangiarotti, Phys. Rev. A 100 (2019) 032703
126. An asymptotic DSM theory for high-energy near-tip bremsstrahlung.
D.H.Jakubaßa-Amundsen, J. Phys. G 47 (2020) 075102
127. On the excitation of the 2_1^+ state in ^{12}C in the $(e, e'\gamma)$ reaction.
D.H.Jakubaßa-Amundsen and V.Yu.Ponomarev, Eur. Phys. J. A 56 (2020): 162
128. Elastic scattering of electrons and positrons from ^{115}In atoms over the energy range 1 eV–0.5 GeV.
S.Afroz, M.M.Haque, A.K.F.Haque, D.H.Jakubaßa-Amundsen, M.A.R.Patoary, M.Shorifuddoza, M.H.Khandaker and M.A.Uddin, Results in Physics 18 (2020) 103179
129. Spectral distribution and Coulomb correction for nuclear bremsstrahlung induced by heavy targets.
A.Mangiarotti, W.Lauth, D.H.Jakubaßa-Amundsen, P.Klag, A.Malafronte, M.N.Martins, C.F.Nielsen and U.I.Uggerhøy, Phys. Lett. B 815 (2021) 136113

130. QED effects on the spin asymmetry in elastic $^{12}\text{C}(\text{e},\text{e}')$ collisions.
D.H.Jakubaña-Amundsen, Eur. Phys. J. A 57 (2021): 22
The influence of vacuum polarization on the Sherman function during elastic electron-nucleus scattering.
D.H.Jakubaña-Amundsen, arXiv:1407.6809 [physics.atom-ph] (2014)
On the QED corrections to elastic electron scattering at high momentum transfer.
D.H.Jakubaña-Amundsen, arXiv:2102.08069 [nucl-th] (2021)
131. Elastic scattering of electrons and positrons from alkali atoms.
B.C.Saha, D.H.Jakubaña-Amundsen, A.K.Basak, A.K.F.Haque, M.M.Haque, M.H.Khandker and M.A.Uddin,
Advances in Quantum Chemistry (2021)
132. Advances in bremsstrahlung: A review.
D.H.Jakubaña-Amundsen, arXiv:2103.06034 [physics.atom-ph] (2021)