

List of refereed publications

(H. O. Lutz)

1. H. Lutz, R. Sizmann, Phys. Lett. 5, 113 (1963);
Super Ranges of Fast Ions in Copper Single Crystals.
2. H. Heinen, H. Lutz, R. Sizmann, Z. Naturforschung 19a, 1131 (1964);
Zur Methodik der Abtragung dünnster Oberflächenschichten von Festkörpern durch niederenergetische Kathodenzerstäubung.
3. H. Lutz, R. Sizmann, Z. Naturforschung 19a, 1079 (1964);
Bestimmung der Reichweite schneller schwerer Ionen in Festkörpern.
H. Lutz, VDI-Zeitschrift 107, 183 (1965);
Reichweiten schneller Ionen in Festkörpern.
H. Lutz, R. Sizmann, Phys. Verh. 3, 148 (1963);
Bestimmung der Reichweite schneller schwerer Teilchen in Festkörpern.
4. C. Pöhlau, H. Lutz, R. Sizmann, Z. angew. Phys. 17, 404 (1964);
Überreichweiten schneller Ionen in Diamant-Strukturen.
5. H. Lutz, R. Schuckert, R. Sizmann, Nucl. Instr. Meth. 38, 241 (1965);
The Ranges of Fast Heavy Particles in Solids. Some Experimental and Theoretical Results.
6. R. Schuckert, H. Lutz, R. Sizmann, Z. Naturforschung 21a, 1296 (1966);
Angular Dependence of Channeling in Gold Single Crystals.
7. H. Herrmann, H. Lutz, R. Sizmann, Z. Naturforschung 21a, 365 (1966);
Zur Eindringtiefe von 70 keV-Kryptonionen in Wolfram-Einkristallen.
8. H. O. Lutz, S. Datz, C. Moak, T. Noggle, Phys. Rev. Lett. 17, 285 (1966)
Phys. Rev. A2, 2575 (1970);
Determination of Interatomic Potentials and Stopping Powers from Channeled-ion Energy-Loss Spectra.
9. S. Datz, C. Erginsoy, G. Leibfried, H. O. Lutz, Ann. Rev. Nucl. Sci. 12, 129 (1967);
Motion of Energetic Particles in Crystals.
10. C. D. Moak, H. O. Lutz, L.B. Bridwell, L. C. Northcliffe, S. Datz, Phys. Rev. Lett. 18, 41 (1967);
Evidence of Shell Effects and the Approach to Equilibrium in the Charge State Distributions for 15 - 160 MeV ^{79}Br and ^{127}I Ions in Carbon.
11. L.B. Bridwell, L. C. Northcliffe, S. Datz, C. D. Moak, H. O. Lutz, Phys. Rev. 159, 276 (1967);
Stopping Powers for Iodine Ions at Energies up to 200 MeV.

12. S. Datz and H. O. Lutz, *Meth. Exp. Phys.* 8, 231 (1968);
Interaction of Heavy Particles with Solids.
13. C. D. Moak, L.B. Bridwell, H. O. Lutz, S. Datz, and L. C. Northcliffe,
Beam Foil Spectroscopy 1, 157, S. Bashkin, ed., New York (1968);
Charge State Distributions of Ions Emerging from Solids and Gases in
the Energy Range 20-150 MeV.
14. C. D. Moak, H. O. Lutz, L. B. Bridwell, L. C. Northcliffe, and S. Datz,
Phys. Rev. 176, 427 (1968);
Equilibrium Charge States of Br and I Ions in Solids and Gases in the
Energy Range 10-180 MeV.
15. S. Datz, C.D. Moak, T.S. Noggle, B.R. Appleton, and H. O. Lutz, *Phys.*
Rev. 179, 315 (1969);
Potential Energy and Differential Stopping Power Functions from Energy
Loss Spectra of Fast Ions Channeled in Gold Single Crystals.
16. S. Datz, H. O. Lutz, L.B. Bridwell, C.D. Moak, H.D. Betz, L.D. Ellsworth,
*Phys. Rev. A*2, 430 (1970);
Electron Capture and Loss Cross Sections of Fast Bromine Ions in Gases.
17. H. J. Stein, H. O. Lutz, P. H. Mokler, K. Sistemich, P. Armbruster. *Phys.*
Rev. Lett. 24, 701 (1970);
Impact Parameter Dependence of Inner Shell Vacancy Production by Heavy
Ion Bombardment. *Phys. Rev. A*2, 2575 (1970);
Addendum to «Impact Parameter Dependence of Inner Shell
Vacancy Production by Heavy Ion Bombardment».
18. P.H. Mokler, H. O. Lutz, H.J. Stein, P. Armbruster, *Nucl. Instr. and*
Meth. 90, 321 (1970);
Some Measurements on Inner Shell Vacancy Production by Heavy Ion
Bombardment.
19. H. O. Lutz, S. Datz, C.D. Moak, and T.S. Noggle, *Phys. Lett.* 33A, 309
(1970);
Nonequilibrium Charge States of 60 MeV I-Ions Channeled in Au Single
Crystals.
20. S. Datz, C. D. Moak, H. O. Lutz, L. C. Northcliffe, and L. B. Bridwell,
Atomic Data 2, 273 (1971);
Charge States of 15-140 MeV Br-Ions and 15-162 MeV I-Ions in Solid and
Gaseous Media.
21. K. Reichelt and H. O. Lutz, *J. Crystal Growth* 10, 103 (1971);
Hetero-epitaxial Growth of Vacuum Evaporated Silver and Gold.

22. H. O. Lutz, R. Ambros, C. Mayer-Böricke, K. Reichelt, and M. Rogge, *Z. Naturforschung* 26a, 1105 (1971);
Experimental Evidence of Fine Structure in Channeling Lines.
23. H. O. Lutz, J. Stein, S. Datz, C. D. Moak, *Phys. Rev. Lett.* 28, 8 (1972);
Collisional X-Ray Excitation in Solid and Gaseous Targets by Heavy Ion Bombardment.
24. J. Stein, H. O. Lutz, P. H. Mokler, P. Armbruster, *Phys. Rev. A* 5, 2126 (1972);
Impact Parameter Dependence of X-Ray Production in Collisions between Energetic Heavy Ions and Atoms.
25. H. O. Lutz, KFA Jülich Report Jül - 995 KP (1973);
Reflexion von Atom- und Ionenstrahlen an Oberflächen.
26. E. H. Pinnington, H. O. Lutz, G. W. Cariveau, *Nucl. Instr. and Meth.* 110, 55 (1973);
Beam-Foil Spectroscopy of the Transition Elements Chromium, Cobalt and Manganese.
27. E. H. Pinnington, H. O. Lutz, G. W. Cariveau, *Z. Phys.* 267, 27 (1974);
The Application for Some Beam-Foil Measurements for Co I and Co II to the Cobalt Photospheric Abundance.
28. E. H. Pinnington, H. O. Lutz, *Can. J. Phys.* 52, 1253 (1974);
Experimental Mean Lives for Mn I, II, and III, and Their Implication for a Revised Manganese Solar Abundance.
29. R. Ambros, H. O. Lutz, K. Reichelt, *Phys. Rev. Lett.* 32, 811 (1974);
Photon-Channeled Ion Coincidence Measurements to Investigate the Impact Parameter Dependence of X-Ray-Excitation.
30. S. Sackmann, H. O. Lutz, J. Briggs, *Phys. Rev. Lett.* 32, 805 (1974);
Ion-X-Ray Coincidence Experiments in Slow Ne^+ - Ne Collisions.
31. H. O. Lutz, *Proc. of the IX. International Conference on the Physics of Electronic and Atomic Collisions, Book of Invited Papers*, ed. J.S. Risley and R. Geballe, University of Washington Press, Seattle and London, 1975, pg. 432-446;
The Impact Parameter Dependence of Inner Shell Excitation.
32. H. O. Lutz, *Proc. 2nd Intern. Conf. Inner Shell Ionis. Phen.*, Freiburg, 1976, *Book of Invited Papers*, ed. W. Mehlhorn and E. Brenn, pg. 104-129;
The Impact Parameter Dependence of Inner Shell Excitation.
33. N. Luz, S. Sackmann, and H. O. Lutz, *J. Phys. B: Atom. Mol. Phys.* 9,

L15 (1976) ;

Differential K-shell excitation in slow Na^+ - Ne encounters.

34. H. O. Lutz, W.R. McMurray, R. Pretorius, I.J. van Heerden, R.J. van Reenen, and B. Fricke, J. Phys. B: Atom. Mol. Phys. 9, L157 (1976);

Note on the quasimolecular M radiation in very heavy collision systems.

35. E.H. Pinnington, P. Weinberg, K. Verfuß, and H. O. Lutz, Z. Phys. A281, 325 (1977);

Application of Multi-Channel Analysis Techniques to Beam-Foil Spectroscopy of Neutral Cobalt in the Region 3000Å to 3950Å.

36. E.H. Pinnington, P. Weinberg, W. Verfuß, H. O. Lutz, and R. Hippler, Phys. Lett. 65A, 287 (1978);

An Investigation of the Beam-Foil Spectrum of Argon between 3250Å and 3750Å.

37. H. O. Lutz, W.R. McMurray, R. Pretorius, R.J. van Reenen, and I.J. van Heerden, Phys. Rev. Lett. 40, 1133 (1978);

Impact Parameter Dependence of Ar K X-Ray Excitation in Slow Ar-Ar Collisions.

38. H. O. Lutz, W.R. McMurray, R. Pretorius, T. Morovic, B. Fricke, W.D. Sepp and I.J. van Heerden, J. Phys. B: Atom. Mol. Phys. 11, 2527 (1978);

Threshold Behaviour of L x-ray excitation in Xe-Ag collisions.

39. H. O. Lutz, N. Luz, S. Sackmann, W. Jitschin, and R. Hippler, in: Physics of Atoms and Molecules, Coherence and Correlation in Atomic Collisions, ed. H. Kleinpoppen and J.F. Williams, Plenum Press, 1980, p. 315;

Coincidence Studies of Inner Shell Excitation in Ion-Atom Collisions.

40. H.E. Roosendaal, M. Weick, H.H. Hubbes, and H. O. Lutz, Rad. Eff. 45, 19 (1979);

Heavy-Ion Induced Disorder Introduction in the Surface and at Shallow Depths in Si.

41. N. Luz, S. Sackmann, and H. O. Lutz, J. Phys. B: Atom. Mol. Phys. 12, 1973 (1979);

Impact-Parameter Dependence of K-Shell Excitation in Slow Ion-Atom Collisions.

42. W. Jitschin, H. Kleinpoppen, R. Hippler, and H. O. Lutz, J. Phys. B: Atom. Mol. Phys. 12, 4077 (1979);

L-Shell Alignment of Heavy Atoms Induced by Proton Impact Ionization.

43. H.H. Hubbes, B. Schmiedeskamp, H.E. Roosendaal and H. O. Lutz, Nucl. Instr. Meth. 168, 313 (1980);

(110)Si Surface Peak Analysis by 100-350 keV Protons.

44. H.E. Roosendaal, B. Schmiedeskamp, H.H. Hubbes and H. O. Lutz, Nucl. Instr. Meth. 170, 119 (1980);

Half-Wavelength and Stopping Power for Planar-Channeled Protons in Silicon and Diamond Single Crystals.

45. H. O. Lutz, in: Proceedings International Conference on X-Ray Processes and Inner Shell Ionization (X-80), 25.-29.8.1980, Stirling, Book of Invited Papers;

Angular Correlation in Inner-Shell Processes.

46. R. Shanker, R. Bilau, R. Hippler, U. Wille and H. O. Lutz, J. Phys.B: Atom. Mol. Phys. 14, 997 (1981);

Impact-Parameter Dependence of Ar L-Shell Excitation in Slow Ar-Ar Collisions.

47. H.E. Roosendaal, B. Schmiedeskamp, H.H. Hubbes, and H. O. Lutz, phys. stat. sol. (b) 107, 677 (1981);

Planar Channeling Trajectories in Diamond and Silicon.

48. W. Jitschin, A. Kaschuba, H. Kleinpoppen and H. O. Lutz, Z. Phys. A304, 69 (1982);

Proton-Induced Alignment of the L₃-Subshell in Heavy Atoms.

49. R. Hippler, G. Malunat and H. O. Lutz, Z. Phys. A304, 63 (1982);

Determination of Alignment Tensor Components in the Charge Exchange Excitation in H-Ar Collisions.

50. W. Jitschin, A. Kaschuba, R. Hippler and H. O. Lutz, J. Phys. B15, 763 (1982);

Relative L-subshell ionization cross sections for 0.15 to 10 MeV proton bombardment of Dy and Au.

51. R. Shanker, R. Hippler, U. Wille and H. O. Lutz, J. Phys. B15, 2041 (1982);

Coincidence Measurements of M-Shell Excitation in Slow Xe-Xe Collisions.

52. R. Shanker, R. Hippler, U. Wille, R. Bilau, and H. O. Lutz, J. Phys. B15, L495 (1982);

Evidence for rotationally induced 4f- excitation in slow Kr-Xe and Kr-Kr collisions.

53. L. Sarkadi, J. Bossler, R. Hippler and H. O. Lutz, J. Phys. B16, 71 (1983);

Angular distribution of electrons ejected from the argon L shell by 350 keV proton impact.

54. W. Jitschin, R. Hippler, R. Shanker, H. Kleinpoppen, R. Schuch, and H. O. Lutz, J. Phys. B16, 1417 (1983);
L x-ray anisotropy and L₃-subshell alignment of heavy atoms induced by ion impact.
55. K. Finck, W. Jitschin and H. O. Lutz, J. Phys. B16, L409 (1983);
Collision-induced intrashell transitions.
56. R. Shanker, R. Hippler, U. Wille, R. Bilau, and H. O. Lutz, Z. Phys. A313, 281 (1983);
3d- excitation in slow Ne-Ar collisions.
57. W. Jitschin, R. Hippler, K. Finck, R. Schuch, and H. O. Lutz, J. Phys. B16, 4405 (1983);
L-subshell ionization of Au by light-ion impact.
58. R. Hippler, H.-J. Humpert, H. Schwier, S. Jetzke, and H. O. Lutz, J. Phys. B16, L713 (1983);
Angular distribution of photoelectrons from multiphoton ionization (532nm) of xenon.
59. R. Shanker, R. Hippler, R. Bilau, and H. O. Lutz, Phys. Lett. 99A, 313 (1983);
Differential Argon L- and Carbon K-Shell Vacancy Production in Slow Ar-C Collisions.
60. H. O. Lutz, South African Journal of Physics 6, 83 (1983);
Inner Shell Vacancy Production in Ion-Atom Collisions.
61. W. Jitschin, B. Wisotzki, U. Werner and H. O. Lutz, J. Phys. E17, 137 (1984);
A compact plane crystal x-ray spectrometer.
62. S. Jetzke, F. H. M. Faisal, R. Hippler, and H. O. Lutz, Z. Phys. A315, 271 (1984);
Simultaneous Electron-Photon Excitation of Hydrogen and Helium.
63. R. Shanker, R. Bilau, R. Hippler, W.R. McMurray, U. Wille, and H. O. Lutz, J. Phys. B17, 1353 (1984);
Excitation in Slow Kr-Kr and Kr-Xe Collisions.
64. R. Hippler, J. Bossler, H. O. Lutz, J. Phys. B17, 2453 (1984);
Delta-Electron Spectroscopy from Multiple Ionisation in Proton-Rare Gas Collisions.
65. W. Jitschin, S. Osimitsch, H. Reihl, H. Kleinpoppen, and H. O. Lutz, J. Phys. B17, 1899 (1984);
Electron exchange in the Na(3p) electron impact excitation.
66. L. Sarkadi, J. Bossler, R. Hippler, and H. O. Lutz, Phys. Rev. Lett.

53, 1551 (1984);

Electron Capture to Continuum States from Inner Shells.

67. W. Jitschin, U. Werner, K. Finck, and H. O. Lutz, Akademiai Kiado, Budapest, Proc. 2nd Workshop on High-Energy Ion-Atom Collisions (1984);

Dealignment and Deexcitation of Inner Shell Vacancies.

68. R. Hippler, M. Faust, R. Wolf, H. Kleinpoppen, and H. O. Lutz, Phys. Rev. A31, 1399 (1985);

Polarization Studies of H(2p) Charge-Exchange Excitation: $H^+ + Ar$ Collisions.

69. U. Werner, W. Jitschin, and H. O. Lutz, J. Phys. B18, 3111 (1985);

Polarization of the Proton-Induced L X-Radiation in 3d Transition Elements.

70. H. J. Humpert, R. Hippler, H. Schwier, H. O. Lutz in: Fundamental Processes in Atomic Collision Physics, ed. H. Kleinpoppen, J.S. Briggs, H. O. Lutz, Plenum Press, 1985;

Multiphoton Ionization of Xenon.

71. H. J. Humpert, H. Schwier, R. Hippler, and H. O. Lutz, Phys. Rev. A32, 3787 (1985), Rapid Comm.

Angular distribution of photoelectrons above-threshold ionization of Xe.

72. W. Jitschin, S. Osimitsch, D. Mueller, H. Reihl, R. Allan, O. Schöller, H. O. Lutz, J. Phys. B19, 2299 (1986);

Excitation of the Na 3p state by proton impact.

73. R. Bilau, W. R. McMurray, U. Wille, R. Shanker, R. Hippler, and H. O. Lutz, Z. Phys. D1, 39 (1986);

3d-Excitation in Slow Ar-Kr Collisions.

74. R. Hippler, W. Harbich, M. Faust, H. O. Lutz, J. Phys. B19, 1507 (1986);

Alignment of H(2p) following $H^+ - He$, Ar Charge Changing Collisions.

75. W. Jitschin, S. Osimitsch, H. Reihl, D. W. Mueller, H. Kleinpoppen, and H. O. Lutz, Phys. Rev. A34, 3684 (1986);

Spin Exchange in the Excitation of Spin-polarized Na Atoms by Ne^+ Ion Impact.

76. A. P. Shergin, R. Stötzl, Z. Roller, R. Bilau, H. O. Lutz, Phys. Rev. A34, 4490 (1986), rap. comm.;

Impact Energy Dependence of Quasimolecular Auger Emission.

77. B. Schmiedeskamp, P. Jonk, H.E. Roosendaal, and H. O. Lutz, Nucl. Instr. Meth. B17, 309 (1986);

Breakthrough Angles for Planar Channeled Protons in Silicon and Diamond.

78. B. Schmiedeskamp, H.E. Roosendaal, and H. O. Lutz, J. Phys. B33, 5118

(1986), rap. comm.;

Dynamic Charge States of Energetic He Ions in Silicon Single Crystals.

79. W. Begemann, K. H. Meiwes-Broer, and H. O. Lutz, Phys. Rev. Lett. 56, 2248 (1986);

Unimolecular Decomposition of Sputtered Al_{+n} ; Cu_{+n} and Si_{+n} Clusters.

80. W. Begemann, S. Dreihöfer, K.H. Meiwes-Broer, and H. O. Lutz, J. Phys. D3, 183 (1986);

Sputtered Metal Cluster Ions: Unimolecular Decomposition and Collision Induced Fragmentation.

81. R. Hippler, H. Schwier, H.-J. Humpert, and H. O. Lutz, Z. Phys. D5, 21 (1987);

Photoelectron Spectroscopy of Above-Threshold Ionization of Xenon with Circularly and Linearly Polarized Light.

82. R. Hippler, W. Harbich, H. Madeheim, H. Kleinpoppen, and H. O. Lutz, Phys. Rev. A35, 3139 (1987);

Cross Sections for Charge-exchange Excitation to H(2p) in Proton-Rare-gasatom Collisions (1-25 keV).

83. W. Begemann, S. Dreihöfer, K.H. Meiwes-Broer and H. O. Lutz, in: Physics and Chemistry of Small Clusters, eds. P. Jena, B.K. Rao and S.N. Khanna, Series B Physics Vol. 158, p. 269 (1987);

Experiments on Sputtered Clusters as Probe of Metal Cluster Ion Stability.

84. B. Chen, F.H.M. Faisal, S. Jetzke, H. O. Lutz, and P. Scanzano, Phys. Rev. A36, 4091 (1987);

Above-threshold electron ejection spectra.

85. R. Shanker, R. Hippler, R. Bilau-Faust and H. O. Lutz, Phys. Lett. A123, 167 (1987);

Collision Broadening of Continuous Electron Spectra in Energetic Kr-Xe Collisions.

86. R. Hippler, M. Faust, R. Wolf, H. Kleinpoppen, and H. O. Lutz, Phys. Rev. A36, 4644 (1987);

Polarization Studies of H(2p) Charge-exchange Excitation: H^+ - He Collisions.

87. W. Begemann, S. Dreihöfer, G. Ganteför, H. R. Siekmann, K. H. Meiwes-Broer, and H. O. Lutz, in: Elemental and Molecular Clusters, Ed. T. P. Martin, Springer Series on Material Science (1987);

Fragmentation, Reaction and Photodetachment of Mass Separated Cluster Ions.

88. H. Schwier, S. Jetzke, R. Hippler, H. O. Lutz, Cambridge Studies in Modern Optics 8, 43 (1988);

Continuum Transitions in Multiphoton-Ionization and Electron Scattering.

89. H. O. Lutz, Lecture Notes in Physics 294, 169 (1987);
Coherence Effects in Slow Ion-Atom Collisions.
90. H. O. Lutz, in: Fundamental Processes of Atomic Dynamics, eds.:
J. S. Briggs, H. O. Lutz, H. Kleinpoppen, Plenum Press B181, 1987, pg. 345;
Basic Mechanisms in Atomic Collision Complexes.
91. G. Ganteför, K.H. Meiwes-Broer, H. O. Lutz, Phys. Rev. A37, 2716 (1988),
rap. com.;
Photodetachment Spectroscopy of Cold Aluminium Cluster Anions.
92. R. Hippler, W. Harbich, M. Faust and H. O. Lutz, J. Phys. B21, 103 (1988);
Alignment and orientation of H(2p) following excitation in H-He, Ne, Ar
collisions.
93. G. Ganteför, M. Gausa, K. H. Meiwes-Broer, H. O. Lutz, Z. Phys. 9,
253 (1988);
Photoelectron Spectroscopy of Jet-Cooled Aluminium Cluster Anions.
94. G. Ganteför, M. Gausa, K. H. Meiwes-Broer, and H. O. Lutz, Faraday
Discuss. Chem. Soc. 86, 4592 (1988);
Photoelectron Spectroscopy on Jet-Cooled Metal Cluster Anions.
95. K. Finck, Y. Wang, Z. Roller-Lutz, H. O. Lutz,
Phys. Rev. A38, 6115 (1988) ;
Lyman-alpha Emission in Collisions of H⁺-Ions with Na(3s) and
Laser-excited Na(3p) Atoms.
96. W. Jitschin, S. Osimitsch, and H. O. Lutz, Phys. Rev. A38, 4872 (1988);
Collisions of Spin-polarized Atoms and Ions in Magnetic Fields.
97. W. Begemann, K. H. Meiwes-Broer, H. O. Lutz, Journal de Physique,
Colloque C2-133, suppl. 2 (1989);
Metastable Decay and Collisions of Sputtered Metal and Silicon Cluster Ions.
98. R. Hippler, H. Madeheim, W. Harbich, H. Kleinpoppen, and H. O. Lutz,
Phys. Rev. A38, 1662 (1988), Rapid Comm.;
Alignment of H(2p) in H⁺ - H, H₂ Collisions.
99. G. Ganteför, M. Gausa, K. H. Meiwes-Broer, H. O. Lutz, Z. Phys. D12,
405 (1989);
Photoemission from Tin and Lead Cluster Anions.
100. W. Begemann, R. Hector, Y. Y. Liu, J. Tiggesbäumker, K. H. Meiwes-Broer,
and H. O. Lutz, Z. Phys. D12, 229 (1989);
Sputtered Metal and Silicon Cluster Ions: Collision-induced Fragmentation
and Neutralization.

101. W. Harbich, R. Hippler, H. Kleinpoppen, H. O. Lutz, Phys. Rev. A39, 3388 (1989);
Complete Linear Polarization of Lyman-alpha Radiation from Metastable Hydrogen Atoms in External Electric Fields.
102. P. Jonk, B. Schmiedeskamp, H. E. Roosendaal, and H. O. Lutz, Nucl. Instr. Meth. B43, 9 (1989);
Long-Range Shadowing and Focusing Effects of Planar Quasichanneled He⁺ Ions in GaP.
103. S. Osimitsch, W. Jitschin, H. Reihl, H. Kleinpoppen, H. O. Lutz, and A. Riera, Phys. Rev. A40, 2958 (1989);
Alignment and spin exchange in the Na(3p) excitation by He⁺ ion impact.
104. R. Hippler, H. Schwier, S. Jetzke, and H. O. Lutz, Z. Phys. D11, 199 (1989);
Photoelectron-spectroscopy of multi-photon ionization of rare gases with circularly and linearly polarized light.
105. R. Hippler, H. Madeheim, H. Kleinpoppen, and H. O. Lutz, J. Phys. B22, L257 (1989);
Alignment of H(2p) in H + H → H + H(2p) collisions.
106. S. Luan, R. Hippler, H. Schwier, and H. O. Lutz, Europhysics Lett. 9, 489 (1989);
Electron emission from polycrystalline copper surfaces by multi-photon absorption.
107. R. Hippler, H. Madeheim, H. O. Lutz, M. Kimura, and N. F. Lane, Phys. Rev. A40, 3446 (1989), Rapid Comm.;
Spin effects in slow (H - He)⁺ collisions.
108. G. Ganteför, M. Gausa, K. H. Meiwes-Broer, and H. O. Lutz, J. Chem. Soc. Farad. Trans. 86, 2483 (1990);
Photoelectron Spectroscopy of Silver and Palladium Cluster Anions: Electron Delocalization versus Localization.
109. H. Madeheim, R. Hippler, and H. O. Lutz, Z. Phys. D15, 327 (1990);
Alignment of H(2p) in H-He, Ne, Ar collisions.
110. G. Ganteför, H. R. Siekmann, H. O. Lutz and K. H. Meiwes-Broer, Chem. Phys. Lett. 165, 293 (1990);
Pure metal and metal-doped rare-gas clusters grown in a pulsed arc cluster ion source.
111. O. Plotzke, U. Wille, R. Hippler, and H. O. Lutz, Phys. Rev. Lett. 65, 2982 (1990);
Nonadiabatic Behaviour of the Polarization of Electric-Field-Induced

Lyman-alpha Radiation.

112. M. Gausa, G. Ganteför, H. O. Lutz, K. H. Meiwes-Broer, Int. J. of Mass Spectr. and Ion Processes, 102, 227 (1990);
Electronic Level Structure of Group III Heavy Element Clusters Studied by Photoelectron Spectroscopy.

113. H. O. Lutz, K.H. Meiwes-Broer, Proc. 20th Int. Sympos. on Electronic Structure, Gaußig, ed. P. Ziesche, Nova Science Publ., New York 1990;
Metal Atom Clusters: Between Atom and the Solid State.

114. R. Hippler, O. Plotzke, W. Harbich, H. Madeheim, H. Kleinpoppen,
Coherent Excitation of $H(n=2)$ in H^+ , H -He Collisions.

115. R. Hippler, O. Plotzke, W. Harbich, H. Madeheim, H. Kleinpoppen, H. O. Lutz,
Phys. Rev. A43, 2587 (1991) Rapid. Comm.;
Electric dipole moments of $H(n=2)$ induced in H^+ - He and H - He collisions.

116. K. H. Meiwes-Broer, H. O. Lutz, Phys. Bl. 47, 283 (1991);
Cluster: zwischen Atom und Festkörper.

117. H. O. Lutz, K. H. Meiwes-Broer, Nucl. Instr. Meth. B 53, 395 (1991);
Metal atom clusters: An exotic example of exotic ions.

118. Shaojin Luan, R. Hippler, H. O. Lutz, J. Phys. B24, 3241 (1991);
Simultaneous electron-photon excitation of helium (1.17 eV).

119. R. Schmidt, G. Seifert, H. O. Lutz, Phys. Lett. A158, 231 (1991);
Cluster-cluster collisions I: Reaction channels - fusion, deep inelastic and quasielastic collisions.

120. G. Seifert, R. Schmidt, H. O. Lutz, Phys. Lett. A158, 237 (1991);
Cluster-cluster collisions II: Cluster molecules - stable state of matter?

121. H. O. Lutz, Proc. 6th Int. Sympos. Correl. and Polar. in Electronic and Atomic Collisions and (e,2e) Reactions, Brisbane 1991;
Spin effects in ion-atom collisions.

122. H.R. Siekmann, Ch. Lüder, J. Faehrmann, H. O. Lutz, K.H. Meiwes-Broer, Z. Phys.D20, 417 (1991);
The pulsed arc cluster ion source (PACIS).

123. J. Tiggesbäumker, L. Köller, H. O. Lutz and K.H. Meiwes-Broer, Chem. Phys. Lett. 190, 42 (1992);
Giant resonances in silver-cluster photofragmentation.

124. J. Tiggesbäumker, L. Köller, H. O. Lutz, K. H. Meiwes-Broer, NATO ASI Series C 374, 1992, ed.: P. Jena, S. N. Khanna, B. K. Rao, p. 1001
Collective Excitation in Silver Cluster Ions.

125. R. Schmidt, G. Seifert and H. O. Lutz, Proc. 88th WE-Heraeus-Seminar on Nuclear Physics Concepts in Atomic Cluster Physics, Bad Honnef, Nov. 1991, in: Lecture Notes in Physics 404, Springer, 1992, p.128, eds. R. Schmidt, H. O. Lutz and R. Dreizler;
Nuclear Heavy-Ion and Atomic Cluster-Cluster Collisions.
126. G. Seifert, R. Schmidt and H. O. Lutz, Proc. 88th WE-Heraeus-Seminar on Nuclear Physics Concepts in Atomic Cluster Physics, Bad Honnef, Nov. 1991, in: Lecture Notes in Physics 404, Springer, 1992, p.142, eds. R. Schmidt, H. O. Lutz and R. Dreizler,
Molecular Dynamics Simulations of Cluster-Cluster Collisions.
127. O. Knospe, R. Dreizler, R. Schmidt and H. O. Lutz, Proc. 88th WE-Heraeus-Seminar on Nuclear Physics Concepts in Atomic Cluster Physics, Bad Honnef, Nov. 1991, in: Lecture Notes in Physics 404, Springer, 1992, p.230, eds. R. Schmidt, H. O. Lutz and R. Dreizler;
Shell Effects in Cluster-Cluster Collisions.
128. J. Tiggesbäumker, L. Köller, H. O. Lutz, K. H. Meiwes-Broer, Proc. 88th WE-Heraeus-Seminar on Nuclear Physics Concepts in Atomic Cluster Physics, Bad Honnef, Nov. 1991, in: Lecture Notes in Physics 404, Springer, 1992, p. 244, eds. R. Schmidt, H. O. Lutz and R. Dreizler;
Collective Excitations in Silver Cluster Anions and Kations.
129. R. Schmidt and H. O. Lutz, Phys. Rev. A45, 7981 (1992);
Fusion and stability of colliding atomic nuclei, atomic clusters, and liquid droplets.
130. Z. Roller-Lutz, K. Finck, Y. Wang and H. O. Lutz, Phys. Lett. A169, 173 (1992);
Angle-differential measurement of H(2p) electron capture in H⁺ collision with Na(3s) and laser-excited Na(3p) atoms.
131. R. Hippler and H. O. Lutz, Comm. At. Mol. Phys.28, 39 (1992);
A Case Study of Coherence in Few-Electron Ion-Atom Collisions: H(n=-2) excitation.
132. Z. Roller-Lutz, Y. Wang, K. Finck, and H. O. Lutz, Phys. Rev. A47, R13 (1993);
«Left-right asymmetry» in H(2p) charge capture from laser-oriented Na(3p).
133. Y. Wang, K. Finck, Z. Roller-Lutz and H. O. Lutz, J. Phys. B: At. Mol. Opt. Phys. 26, L61 (1993);
Angle-differential H(2p) alignment in 1 keV H⁺ - Na charge exchange collisions.
134. M. Gausa, H. O. Lutz and K. H. Meiwes-Broer, Z. Phys. D26, 146 (1993);
Bi_N Produced in the PACIS: electronically excited states studied by photoelectron spectroscopy.

135. Th. Wörmann, Z. Roller-Lutz, and H. O. Lutz, Phys. Rev. A47, R1594, (1993);
Electron capture in Ar⁺-ion collisions with laser-aligned Rydberg atoms.
136. H. O. Lutz, Physics World, 6, 33 (1993);
Atomic and nuclear physics meet in cluster collisions.
137. Z. Roller-Lutz, Y. Wang, K. Finck, H. O. Lutz, J. Phys. B26, 2697 (1993),
A quantum mechanically complete study of H⁺+Na(3s) → H(2p)+Na⁺ charge
exchange excitation.
138. O. Knospe, R. Schmidt, E. Engel, U. R. Schmitt, R. M. Dreizler and H. O. Lutz,
Phys. Lett. A183, 332 (1993);
Cluster-cluster collisions III. Potential energy between clusters.
139. R. Schmidt and H. O. Lutz, Phys. Lett. A183, 338 (1993);
Cluster-cluster collisions IV. Reaction and complete fusion cross sections.
140. J. Becker, K. Beckord, U. Werner and H. O. Lutz, Nucl. Instr. Meth. A337, 409
(1994);
A system for correlated fragment detection in dissociation experiments.
141. S. Bradenbrink, H. Reihl, Th. Wörmann, Z. Roller-Lutz and H. O. Lutz, J. Phys.B:
At. Mol. Opt. Phys. 27, L391 (1994);
CTMC calculations of electron capture from orientated elliptical Rydberg atoms.
142. K. Beckord, J. Becker, U. Werner and H. O. Lutz, J. Phys. B: At. Mol. Opt.
Phys. 27, L585 (1994);
Note on low-energy proton pairs in collision-induced H₂ dissociation.
143. M. Gausa, R. Kaschner, H. O. Lutz, G. Seifert, K.-H. Meiwes-Broer, Chem. Phys.
Lett. 230, 99 (1994);
Photoelectron and theoretical investigations on bismuth and antimony pentamer
anions. Evidence for aromatic structure.
144. Y. Wang, J. Westphal, Z. Roller-Lutz, V. N. Ostrovsky, H. O. Lutz; Z. Phys. D30,
217 (1994);
The role of an initial Na 3(p) state alignment in 1 keV H⁺ + Na(3p) →
H(2p)+Na⁺ collisions.
145. Z. Roller-Lutz, R. Höllmann, K. Blum and H. O. Lutz, J. Phys. B:
At. Mol. Opt. Phys. 27 2009 (1994)
Angular correlation analysis of non-isotropic atomic collision ensembles.
146. B. Siegmann, G.G. Tepehan, R. Hippler, H. Madeheim,
H. Kleinpoppen, H. O. Lutz, Z. Phys. D30, 223 (1994);
The collision-induced electric dipole moment of H(n=2) in H - He, Ne
and Ar collisions.

147. H. Reihl, C. Sprengel, Z. Roller-Lutz, Nucl. Instrum. Meth. A357, 225 (1995);
Production of a spinpolarized keV Sr⁺ ion beam by laser-optical pumping.
148. U. Werner, K. Beckord, J. Becker, H. O. Folkerts and H. O. Lutz, Nucl. Instrum. Meth. B98, 385 (1995);
Ion-impact induced fragmentation of water molecules.
149. R. Schmidt, H. O. Lutz, Comments At. Mol. Phys. 31, 461(1995);
Cluster-Cluster Collisions.
150. U. Werner, K. Beckord, J. Becker, H. O. Lutz, Phys.Rev.Lett. 74, 1962 (1995);
3-d Imaging of the collision-induced Coulomb fragmentation of water molecules.
151. U. Werner, H. O. Lutz, AIP Conf. Proc. 360 741 (1995)
«Complete» measurement of molecular Coulomb-explosions
152. S. Bradenbrink, H. Reihl, Z. Roller-Lutz, H. O. Lutz, J.Phys.B28, L 133 (1995)
Classical trajectory studies of charge changing collisions involving Rydberg Target atoms.
153. U. Werner, H. O. Lutz, Forschung an der Universität Bielefeld 12, 41 (1995);
Wie Moleküle explodieren.
154. J. Becker, K. Beckord, H. O. Folkert, H. Yoshida, U. Werner, H. O. Lutz, Frontiers Science Series No 16, 63 (1996); eds.: T. Kondow, K. Kaya, A.Terasaki.
Ion-impact induced fragmentation of small molecules
155. U. Werner, H. O. Lutz, in: Selected Topics on Electron Physics, eds: M. Campbell, H. Kleinpoppen, Plenum Publ. Press, pg. 323 (1996)
Another type of complete experiment: ion-impact induced molecular Coulomb-fragmentation.
156. Z. Roller-Lutz, Y. Wang, S. Bradenbrink, H. Reihl, T. Wörmann, C. Sprengel, H. O. Lutz, in: Selected Topics on Electron. Physics, eds: M. Campbell, H.Kleinpoppen, Plenum Publ. Press, pg. 279 (1996)
Ion-atom collision involving laser-prepared Na atom targets.
157. B. Siegmann, R. Hippler, H. Kleinpoppen, H. O. Lutz, in: Selected Topics on Electron Physics, eds: M. Campbell, H. Kleinpoppen, Plenum Publ. Press, pg. 295 (1996)
Coherent excitation of H(n=2) in few-electron collision systems.
158. M. Gausa, R. Kaschner, G. Seifert, J. H. Faermann, H. O. Lutz, K.-H. Meiwes-Broer, J. Chem.Phys. 104, 9719 (1996)

Photoelectron investigations and density functional calculations of anionic Sb_n and Bi_n clusters.

159. V. N. Kondratyev, H. O. Lutz, Z. Phys. D40, 210 (1997)
Signatures of Critical Phenomena in Rare Atom Clusters.

160. S. Bradenbrink, E. Y. Sidky, Z. Roller-Lutz, H. Reihl, H. O. Lutz,
J. Phys. B30, L161 (1997)
Electron capture and ionization for ion-Rydberg atom collisions in a magnetic field.

161. U. Werner, H. O. Lutz, Phys. Bl. 53, 224 (1997)
Wie Moleküle explodieren.

162. S. Bradenbrink, E. Y. Sidky, Z. Roller-Lutz, H. Reihl, H. O. Lutz,
Phys. Rev. A55, 4290 (1997)
Extension of classical trajectory Monte Carlo calculations to ion-Rydberg atom collisions in a magnetic field.

163. U. Werner, J. Becker, T. Farr, H. O. Lutz, Nucl. Instrum. Meth. B124, 298 (1997)
How molecules and clusters explode.

164. U. Werner, N. M. Kabachnik, V. N. Kondratyev, H. O. Lutz,
Phys. Rev. Lett.79, 1662 (1997)
Orientation effects in multiple ionization of molecules by fast ions.

165. V. N. Kondratyev, H. O. Lutz, S. Ayik, J. Chem. Phys. 106, 7766 (1997)
Critical evolution of hot van der Waals droplets.

166. G. Bilabegovic, H. O. Lutz, Chem. Phys. Lett. 280 (1997)
The onset of a liquid-vapour transition in metallic nanoparticles.

167. F. Stienkemeier, F. Meier, H. O. Lutz, J. Chem. Phys. Lett.107 (1997) 10816
Alkaline earth metals (Ca, Sr) attached to liquid helium: droplets: inside or out?

168. N. M. Kabachnik, V. N. Kondratyev, Z. Roller-Lutz, H. O. Lutz,
Phys. Rev. A56, 2848 (1997)
Multiple ionization of atoms and molecules in collisions with fast ions: Ion-atom collisions.

169. S. Bradenbrink, H. Reihl, Z. Roller-Lutz, H. O. Lutz,
J. Phys. 30 (1997) 5819
Electron emission and trapping in ion-Rydberg atom collisions in a magnetic field.

170. U. Werner, V.N. Kondratyev, H. O. Lutz, Nuovo Cimento 110, 1215 (1997)
Multi-fragmentation of molecules and clusters.

171. N. M. Kabachnik, V. N. Kondratyev, Z. Roller-Lutz, H. O. Lutz,
Phys. Rev. A 57 (1998) 990
Multiple ionization of atoms and molecules in collisions with fast ions:
Ion-molecule Collisions.

172. B. Siegmann, R. Hippler, H. O. Lutz, J. Phys. B31, L675 (1998)
Coherent excitation of $H(n=2)$ by electron capture in $H^+ - N_2$ and $H^+ - O_2$ collisions.
173. A. Reinköster, U. Werner, H. O. Lutz, Europhys. Lett. 43, 653 (1998)
Ion-impact-induced C_{60} fragmentation.
174. V.N. Kondratyev, H. O. Lutz, Phys. Rev. Lett. 81, 4508 (1998)
Shell effects in exchange coupling of transition metal dots and their arrays.
175. Z. Roller-Lutz, Y. Wang, H. O. Lutz, U. Saalman, R. Schmidt, Phys. Rev. A 59, R2555 (1999)
Strong temperature dependence of laser-enhanced charge transfer in collision of sodium clusters with sodium atoms.
176. Z. Roller-Lutz, Y. Wang, H. O. Lutz, T. Bastug, T. Mukoyama, B. Fricke, Phys. Lett. A 262, 66 (1999)
Charge exchange in collisions of C^{+60} ions with laser-excited aligned Na atoms
177. F. Stienkemeier, F. Meier, H. O. Lutz, Eur. Phys. J. D 9, 313 (1999)
Spectroscopy of Barium atoms attached to superfluid Helium clusters.
178. F. Stienkemeier, F. Meier, A. Hägele, H. O. Lutz, C. P. Schulz, E. Schreiber, I. V. Hertel, Phys. Rev. Lett. 83, 2320 (1999)
Coherence and relaxation in potassium-doped helium droplets studied by femtosecond pump-probe spectroscopy
179. B. Siegmann, U. Werner, H. O. Lutz, Austr. J. Phys. 52, 545 (1999)
Multiple ionization and fragmentation of molecules
180. V. N. Kondratyev, H. O. Lutz, Eur. Phys. J. D 9, 483 (1999)
Interdot exchange coupling in superferromagnetism.
181. U. Brinkmann, A. Reinköster, B. Siegmann, U. Werner, H. O. Lutz, R. Mann, Physica Scripta T 184, 171 (1999)
Ion-impact induced multiple ionization and fragmentation of N_2
182. J. Lu, S. Bradenbrink, Z. Roller-Lutz, H. O. Lutz, J. Phys. B32, L 681 (1999)
Electron capture in multiply charged ion-Rydberg atom collisions in an external magnetic field
183. V.N. Kondratyev, Ph. Blanchard, H. O. Lutz, Eur. Phys. J. D 8, 241 (2000)
Critical dynamics in clusters of noble gas atoms
184. Z. Roller-Lutz, Y. Wang, H. O. Lutz, S. E. Nielsen, A. Dubois, Phys. Rev. A 61, 022710 (2000)
Quantum-mechanically complete study of charge transfer from nonisotropic initial to nonisotropic final states in $H^+ - Na(3p_{-1})$ collisions

185. J. Opitz, H. Lebius, S. Tomita, B. A. Huber, P. Moretto Capelle, D. Bordenave Montesquieu, A. Bordenave Montesquieu, A. Reinköster, U. Werner, H. O. Lutz, A. Niehaus, M. Benndorf, K. Haghighat, H. T. Schmidt, H. Cederquist, Phys.Rev. A62, 022705 (2000)
Electronic excitation in H⁺-C₆₀ collisions: evaporation and ionization
186. B. Siegmann, U. Werner, R. Mann, N. M. Kabachnik, H. O. Lutz, Phys. Rev A62, 022718 (2000)
Kinetic energy release distributions in Coulomb explosion of N₂ molecules induced by fast highly charged ion impact
187. F. Stienkemeier, M. Wewer, F. Meier, H. O. Lutz, Rev. Sci. Instr. 71, 3480 (2000)
Langmuir-Taylor surface ionization of alkali (Li, Na, K) and alkaline earth (Ca, Sr, Ba) atoms attached to Helium droplets
188. J. Lu, Z. Roller-Lutz, H. O. Lutz, Phys. Rev. A 62, 050701 R (2000)
Classical trajectory Monte Carlo calculations of electron capture and ionization in collisions of multiply charged ions with elliptical Rydberg atoms
189. F. Stienkemeier, H. O. Lutz, C. P. Schulz, Phys. Rev. Lett. 84, 4510 (2000)
Comment on and reply to: Coherence and relaxation in potassium-doped superfluid helium droplets studied by femtosecond pump-probe spectroscopy
190. M. Ye. Zhuravlev, H. O. Lutz, A. V. Vedyayev, Phys. Rev. B63, 174409 (2001)
Size effects in the giant magnetoresistance of segmented nanowires
191. U. Werner, B. Siegmann, R. Mann, N. M. Kabachnik, H. O. Lutz, Physica Scripta T 92, 244 (2001)
Kinetic energy release distributions in the fragmentation of O₂ molecules induced by fast highly charged ions
192. B. Siegmann, U. Werner, H. O. Lutz, R. Mann, J. Phys. B 34, L587 (2001)
Multiple ionization and fragmentation of H₂O in collisions with fast highly charged Xe-ions
193. A. Reinköster, U. Werner, N. M. Kabachnik, H. O. Lutz, Phys. Rev. A 64, 023201 (2001)
Experimental and theoretical study of ionization and fragmentation of C₆₀ by fast-proton impact
194. M. Ye. Zhuravlev, H. O. Lutz, A. V. Vedyayev, J. Phys. A 34, 8383 (2001)
The construction of the Green Function for GMR structures of complex geometry
195. Z. Kaliman, N. Orlic, N. M. Kabachnik, H. O. Lutz, Phys. Rev. A 65, 012708 (2002)
Theoretical study of orientation effects in multiple ionization of molecules by fast ion impact

196. B. Siegmann, U. Werner, R. Mann, Z. Kaliman, N. M. Kabachnik, H. O. Lutz, Phys.Rev. A 65, 010704 (R) (2002)
Orientation dependence of multiple ionization of diatomic molecules in collisions
With fast highly-charged ions
197. M. Ehrich, U. Werner, H. O. Lutz, T. Kaneyasu, K. Ishii, K. Okuno, U. Saalman, Phys. Rev. A 65, 030702 (R) (2002)
Simultaneous polarization and fragmentation of N₂ molecules in slow keV collisions
with Kr⁸⁺ ions
198. M. Ye. Zhuravlev, W. Schepper, S. Heitmann, H. Vinzelberg, P. Zahn, I. Mertig, H.O. Lutz, A. V. Vedyayev, G. Reiss, A. Hütten, Phys. Rev. B 65, 144428 (2002)
Reliable prediction of Giant Magnetoresistance (GMR) characteristics
199. M. Ye. Zhuravlev, W. Schepper, S. Heitmann, H. O. Lutz, A. V. Vedyayev, G. Reiss, A. Hütten, Lecture Notes in Physics 593 43 (2002)
Model Calculation of the Giant Magnetoresistance in Multilayers with an Arbitrary Number of Layers.
200. B. Siegmann, U. Werner, H.O. Lutz, R. Mann, J. Phys. B 35, 3755 (2002)
Complete Coulomb fragmentation of CO₂ in collisions with 5.9 MeV/u Xe¹⁸⁺
and Xe⁴³⁺
201. B. Siegmann, U. Werner, Z. Kaliman, Z. Roller-Lutz, N.M. Kabachnik, H.O. Lutz, Phys. Rev. A 66, 052701 (2002)
Multiple ionization of diatomic molecules in collisions with 50 - 300 keV hydrogen
and helium ions
202. A. Reinköster, B. Siegmann, U. Werner, B.A. Huber, H.O. Lutz, J. Phys. B 35, 4989 (2002)
Multifragmentation of C₆₀ after collisions with Ar_z⁺ ions
203. A. Reinköster, B. Siegmann, U. Werner, and H. O. Lutz, Radiation Physics and Chemistry 68, 263 (2003).
Ion-impact induced excitation and fragmentation of C₆₀,
204. U. Werner, B. Siegmann, H. Lebius, B. Huber and H. O. Lutz, Nucl. Instr. Meth. B205, 639 (2003)
Multiple ionization and fragmentation of CH₄ in collisions with slow highly charged ions.
205. B. Siegmann, U. Werner, H. Lebius, B. Huber, H.O. Lutz and R. Mann, Nucl. Instr. Meth. B205, 629 (2003)
Orientation dependence of N₂ and O₂ multiple ionization in collisions with slow and fast highly charged Xe – ions
206. J. Lu, E.Y. Sidky, Z. Roller-Lutz, H.O. Lutz, Phys. Rev. A 68: 024702-1 (2003)
Antihydrogen formation by collisions of antiprotons with positronium in a magnetic field.

207. A. V. Vedyayev, B. Dieny, N. V. Ryzhanova, I. V. Zhukov, M. Y. Zhuravlev, H. O. Lutz, J. Magnetism and Magnetic Materials 258 (special issue), 77 (2003)
Injection of spin-polarized current into semiconductor
208. N. M. Kabachnik, A. Reinköster, U. Werner and H. O. Lutz, in: Latest Advances in Atomic Cluster Collisions, pg. 325, Imperial College Press, London, 2004
Multiple ionization and fragmentation of C_{60} in collisions with fast ions.

Published Books

H. O. Lutz

1. Fundamental Processes in Energetic Atomic Collisions
H. O. Lutz, J. S. Briggs, H. Kleinpoppen (eds.)
Nato ASI Series B, Vol. 103, 1983, Plenum Press, New York
2. Atomic Collision in Solids
H. E. Roosendaal, H. O. Lutz, W. Heiland, H. J. Andrä (eds.)
1984, North Holland Physics Publishing, Amsterdam
3. Fundamental Processes in Atomic Collision Physics
H. Kleinpoppen, J. S. Briggs, H. O. Lutz (eds.)
Nato ASI Series B, Vol. 134, 1985, Plenum Press, New York
4. Fundamental Processes of Atomic Dynamics
J. S. Briggs, H. Kleinpoppen, H. O. Lutz (eds.)
Nato ASI Series B, Vol. 181, 1988, Plenum Press, New York
5. Nuclear Physics Concepts in the Study of Atomic Cluster Physics
R. Schmidt, H. O. Lutz, R. Dreizler (eds.)
Lecture Notes in Physics, Vol. 404, 1991, Springer, Berlin, New York