Acknowledgements

"Don't cry because it's over. Smile because it happened."

Theodor Seuss Geisel

This is going to be hard. Because there are so many people to whom I need to thank, and I fear I will not remember all of them. But I'll try.

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[1] "It's gonna be hard, but..we can handle it"

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[2] "Show me the co ee!!!"

[3] "Try dragging it!!!"

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Erklärung

Hiermit erkläre ich an Eides statt, dass ich die Dissertation 'Photoionization and investigation of chalcogene clusters' selbständig angefertigt und keine anderen als die von mir angegeben Quellen und Hilfsmittel benutzt habe.

Ich erkläre außerdem, dass diese Dissertation weder in gleicher oder anderer Form bereits in einem anderen Prüfungsverfahren vorgelegen hat.

Ich habe früher außer den mit dem Zulassungsgesuch urkundlich vorgelegten Graden keine weiteren akademischen Grade erworben oder zu erwerben versucht.

Berlin, den

Unterschrift

Tiberiu Arion

Publications and Conference Contributions

Parts of this thesis have been already presented in scientific journals and/or at conferences.

Publications

- T. Arion, R. Flesch, T. Schlathölter, F. Alvarado, R. Hoekstra, R. Morgenstern and E. Rühl
  "'Collision induced fragmentation of free sulfur clusters"'
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- T. Arion, R. Flesch, J. Neville, J. Plenge and E. Rühl
  "'Investigation of the core-level excitation and fragmentation of free selenium aggregates"'
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- T. Arion, T. Jahnke, M. Schö er, S. Schößler, K. Kreidi, L. Foucar, R. Dörner and E. Rühl
  "'COLTRIMS investigation of the fragmentation of multiply charged sulfur clusters "'
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- T. Arion, T. Jahnke, M. Schö er, S. Schößler, K. Kreidi, L. Foucar, R. Dörner and E. Rühl
  "'Fragmentation of multiply charged sulfur clusters investigated by COLTRIMS"'
  BESSY annual report (2007)

- T. Arion, R. Flesch, J. Neville and E. Rühl
  "'Inner-shell excitation and photo-fragmentation of free selenium clusters"'
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- R. Flesch, I. L. Bradeanu, J. Plenge, T. Arion and E. Rühl
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- T. Arion, T. Jahnke, M. Schö er, S. Schößler, K. Kreidi, L. Foucar, R. Dörner and E. Rühl
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- T. Arion, R. Flesch, T. Schlathölter, F. Alvarado, R. Hoekstra, R. Morgenstern and E. Rühl
  "'Collision-induced fragmentation of free sulfur clusters"'
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- I. L. Bradeanu, R. Flesch, J. Plenge, T. Arion, A. A. Pavlychev, N. Kosugi and E. Rühl
  "'Inner-shell excitation of molecular van der Waals clusters"'
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  "'Near-edge spectroscopy of atomic and molecular van der Waals clusters"'
  talk, 354. Wilhelm und Else Heraeus-Seminar on "Structure and Dynamics of Free Clusters and Nanoparticles using Short Wavelength Radiation", Bad Honnef, Germany (2005)

List of Figures

2.1 Composition of sulfur vapor as a function of the temperature [19] 13

2.2 Composition of selenium vapor as a function of the temperature [32] 15

2.3 Schematics of creation and filling of a core hole subsequent to the absorption of a X-ray photon 16

2.4 The mean free path of the electrons in solid (the dashed curve is a theoretical result)[36] 17

2.5 K-edge NEXAFS spectrum of a diatomic molecule 18

2.6 Core-level excitation of a diatomic molecule, from the 1s level into unoccupied molecular orbitals 19

2.7 Schematics of a two-body dissociation, together with an ideal PEPIPICO signal shape 24

2.8 Schematics of a deferred charge separation mechanism, together with an ideal PEPIPICO signal shape 26

2.9 Schematics of a secondary decay mechanism, together with an ideal PEPIPICO signal shape 28

2.10 Schematics of a secondary decay in competition mechanism, together with an ideal PEPIPICO signal shape 30

3.1 Schematics of the two vacuum systems used 34

3.2 Schematics of two staged oven cluster source 35

3.3 Schematics of He (I) discharge lamp 38

3.4 Schematics of the ECR ion source at the KVI Groningen, The Netherlands . . . 39

3.5 Schematics of an electron storage ring 40

3.6 Optical layout of the BESSY U49/2-PGM 1 beam line [82] 42

3.7 Schematics of a micro-channel plate detector 43

3.8 Schematics of a Wiley-McLaren type time of flight mass spectrometer 44
3.9 Schematics of the working principle of a COLTRIMS experimental setup 46
3.10 Trajectories of electrons and ions in the COLTRIMS spectrometer 47
3.11 Schematics of a quadratic (a), hexagonal (b) and side view (c) of a delay line anode [97] 49
3.12 Schematics of the delay line principle 50

4.1 Ion-ion-coincidence spectrum of sulfur clusters recorded after ionization with a Xe^{5+} ion beam 57
4.2 Ion-ion-coincidence spectrum of sulfur clusters recorded after ionization with Xe^{20+} ion beam 58
4.3 Time of flight mass spectra of sulfur vapor after ionization with $h = 21.2\ eV$ photons 59
4.4 Time of flight mass spectra of sulfur clusters recorded after ionization with various Xe^{n+} ion beam charges 61
4.5 Time of flight mass spectra of sulfur clusters recorded after ionization with various Xe^{n+} ion beam charges 63
4.6 Ion-ion-coincidence correlation plots of sulfur aggregates ionized via collisions with Xe^{5+} ions 65
4.7 The puckered ring structure of the S_8 cluster 67
4.8 Ion-ion-coincidence correlation plots of sulfur aggregates ionized via collisions with Xe^{10+} ions 71
4.9 Shapes of ion-ion-coincidence signals from sulfur ionic fragments resulting through ionization via collisions with Xe^{15+} ions 74
4.10 Ion-ion-coincidence correlation plots of sulfur aggregates ionized via collisions with Xe^{20+} ions 79
4.11 Photoion-photoion-coincidence spectra of sulfur clusters recorded at T = 400 K (see text for details) 85
4.12 Radius of the detector vs. the time-of-flight of the ion (a) and the calculated energy resolution of the ion detector (b) [126] (see text for details) 86
4.13 Ion-ion coincidence spectrum after ionization with $h = 419$ eV (see text for details) 87
4.14 Momentum distribution and KER for the N^+/N^+ channel after ionization with $h = 419$ eV (see text for details) 87

4.15 KER distribution of the N^+/N^+ channel after ionization with h = 419 eV as a function of the angle (see text for details) . . . 88

4.16 Photoion-photoion-coincidence spectra of sulfur clusters as recorded after ionization with h = 158 eV ((a) and (b)), h = 174 eV ((c) and (d)) and h = 235 eV ((e) and (f)). . . . 89

4.17 KER distribution and KER distribution as a function of the angle for the S^+/S^{2+} channel after ionization with h = 158 eV ((a) and (b)), h = 174 eV ((c) and (d)) and h = 235 eV ((e) and (f)) (see text for details) . . . 90

4.18 KER distribution and KER distribution as a function of the angle for the S^+/S^+ channel after ionization with h = 174 eV ((a) and(b)) and h = 235 eV ((c) and (d)) (see text for details) . . . 91

4.19 KER distribution and KER distribution as a function of the angle for the S^{2+}/S^{2+} channel after ionization with h = 235 eV (see text for details) . . . 93

4.20 Time of flight mass spectra of selenium clusters recorded after ionization with h = 21 22 eV photons . . . 95

4.21 Time of flight mass spectra of selenium clusters recorded at T = 656 K after ionization with h = 150 eV and h = 1450 eV . . . 97

4.22 PEPIPICO spectrum of selenium clusters recorded after ionization with h = 150 eV . . . 99

4.23 Shapes of PEPIPICO signals from selenium ionic fragments resulting through ionization with h = 150 eV photons . . . 100

4.24 Total yield spectra of selenium clusters recorded at the 2p-ionization edge . . . 103

4.25 The structure of the Se_5 (a) and Se_6 (b) clusters used for the simulations performed using the GSCF3 code . . . 104

4.26 Total electron yield of the near-edge structure of selenium clusters recorded at the 2p-ionization edge . . . 105

List of Tables

4.1 Ionization potentials of sulfur clusters represented as a function of the size of the cluster, as reported in [109] and [110] 56

4.2 Cation pairs identified after ionization with ions beams of Xe^{5+} and Xe^{20+}, respectively 57

4.3 Mass peaks' intensities normalized to the intensity of the $S_8{}^+$ mass peak, as recorded after ionization with h = 21 2 eV photons at di erent temperatures of selenium vapor, as shown in Fig. 4.3 60

4.4 Mass peaks' intensities normalized to the intensity of the $S_8{}^+$ mass peak, as recorded after ionization with ionization with various Xe^{n+} ion beam charges, as shown in Fig. 4.4 62

4.5 Peak shape analysis of the ion-ion-coincidence signals recorded after ionization via collisions with Xe^{5+} ions. m and represent the slopes of the long and of the short edge of the correlation plots, respectively 69

4.6 Peak shape analysis of the ion-ion-coincidence signals recorded after ionization via collisions with Xe^{10+} ions. m and represent the slopes of the long and of the short edge of the correlation plots, respectively 72

4.7 Peak shape analysis of the ion-ion-coincidence signals recorded after ionization via collisions with Xe^{15+} ions. m and represent the slopes of the long and of the short edge of the correlation plots, respectively 77

4.8 Peak shape analysis of the ion-ion-coincidence signals recorded after ionization via collisions with Xe^{20+} ions. m and represent the slopes of the long and of the short edge of the correlation plots, respectively 82

4.9 Ionization potentials of selenium clusters represented as a function of the size of the cluster, as reported by Berkowitz [33] 94

4.10 Mass peaks intensities normalized to the intensity of the $Se_2{}^+$ mass peak, as recorded after ionization with h = 21 2 eV photons at di erent temperatures of selenium vapor, as shown in Fig. 4.20 96

4.11 Mass peaks' intensities normalized to the intensity of the Se^+ mass peak, as recorded at $T = 656$ K after ionization with various energy photons, as shown in Fig. 4.21 98

4.12 Peak shape analysis of the ion-ion-coincidence signals shown in Fig.4.6. m represents the slope of the long edge of the correlation plots 102

4.13 Geometry optimization results as obtained from using the Gaussian98 [40] program, with di erent basis sets 107

4.14 Geometry optimization results as obtained from using the Gaussian98 [40] program, with di erent basis sets 108

4.15 Theoretical results obtained with the GSCF3 code for the Se_5 and Se_6 aggregates 109