REFERENCES

Chapter 1

1.1 T. Watanabe, I. Shimamura, M. Shimizu, and Y. Itikawa, Molecular Processes in Space, Plenum, New York, (1990)

1.2 Atomic Processes in Plasmas, edited by E. S. Marmar and J. L. Terry, AIP Conf. Proc. No. 257, AIP, New York, (1992)

1.3 C.M. Lisse *et. al.*, Science **274**, 205 (1997)

1.4 R.M. Häberli, T.I. Gombosi, D.L. De Zeeuw, M.R. Combi, and K.G. Powell, Science **276**, 939 (1997)

1.5 V.A. Krasnapolsky *et. al.*, Science **277**, 1488 (1997)

1.6 D.E. Shemansky, *Atomic Processes in Plasmas*, edited by Yong Kikim and Raymond C. Elton, AIP Conf. Proc. No. 206 (AIP, New York, 1990), p. 37

1.7 G. Lubinski, Z. Juhász, R. Morgenstern, and R. Hoekstra, Phys. Rev. Lett. **86** No. 4, 616-619, (2001)

1.8 M. F.A. Harrison, Atomic and Molecular Processes in Controlled Thermonuclear Fusion (Plenum: New York) 15, (1980)

1.9 E. Oktay, Atomic and Molecular Processes in Controlled Thermonuclear Fusion (Plenum: New York) 103, (1980)

1.10 R. K. Janev and H. Winter, Phys. Rep. **117**, 265 (1985)

Chapter 2

2.1 L. Landau, Phys. Z. Sowjetunion, **2**, 46 (1932)

2.2 C. Zener, Proc. R. Soc. London, Series A, **137**, 696 (1932)

2.3 A. Salop and R. E. Olson, Phys. Rev. A, **13**, 1312 (1976)

2.4 R.E. Olson and A. Salop, Phys. Rev. **A14**, 579 (1976)

2.5 R.E. Olson, J. Chem. Phys. **56,** 2979 (1972)

2.6 A. Müller and E. Salzborn, Phys. Lett. **62A**, 391 (1977)

2.7 G. Gioumousis and D. P. Stevenson, J. Chem. Phys. **29**, 294 (1958)

2.8 K. Takayanagi, J. Phys. Soc. Jpn. **51**, 3337 (1982)

Chapter 3

3.1 M. P. Stockli, C. L. Cocke, and P. Richard, Rev. Sci. Instrum. **61**, 242 (1990)

3.2 M. P. Stockli, P. E. Gibson, C. L. Cocke, B. D. DePaola, D. Fry, S. Kravis, D. Parks, P. Richard, T. N. Tipping, B. Walch, and S. Winecki, Rev. Sci. Instrum. **67**, (3), 1162 (1996)

3.3 H. Tawara, K. Okuno, C. W. Fehrenbach, C. Verzani, M. P. Stockli, B. D. DePaola, P. Richard, and P. C. Stancil, Phys. Rev. A, **63**, 062701 (2001)

3.4 Roent Dek, Vogelshaag 8, D-65779, Kelkleim, Germany

3.5 Personal discussion with Martin Stockli

3.6 K. Okuno, K. Soejima, and Y. Kaneko, Nucl. Instrum. Methods Phys. Res. Sect. B **53**, 387 (1991)

3.7 K. Okuno, J. Phys. Jpn. **55**, 1504 (1986)

3.8 K. Soejima, C. J. Latimer, K. Okuno, N. Kobayashi, and Y. Kaneko, J. Phys. B **25**, 3009 (1992)

3.9. K. Okuno, K. Soejima, and Y. Kaneko, J. Phys. B **25**, L105 (1992)

3.10 D. Gerlich, Adv. Chem. Phys. **82** 1, (1992)

3.11 Constructed by KSU electronics Design Laboratory

3.12 XSYS Data Analysis Software Package, Indiana University Cyclotron Laboratory

3.13 Buckbee-Mears, St. Paul, MN, 55101

Chapter 4

4.1 E. Justiniano, C. L. Cocke, T. J. Gray, R. Dubois, C. Can, W. Waggoner, R. Schuch, H. Schmidt-Böcking, and H. Ingwersen, Phys. Rev. A, **29**, (3), 1088-1095, 1984

4.2 A. Müller, H. Klinger, and E. Salzborn, J. Phys. B, **9**, 291 (1976)

4.3 T. Iwai, Y. Kaneko, M. Kimura, N. Kobayashi, S. Ohtani, K. Okuno, S. Takagi, H. Tawara, and S. Tsurubuchi, Phys. Rev. A, **26**, 105 (1982)

4.4 D. H. Crandall, R. A. Phaneuf, and F. W. Meyer, Phys. Rev. A, **22**, 379 (1980)

4.5 B. A. Huber, and J. J. Kahlert, J. Phys. B, **13**, L159 (1980)

4.6 A. Niehaus, J. Phys. B: At. Mol. Phys. **19**, 2925-2937 (1986)

4.7 S. Kravis, H. Saitoh, K. Okuno, K. Soejima, M. Kimura, I. Shimamura, Y. Awaya, Y. Kaneko, M. Oura, and N. Shimakura, Phys. Rev. A **52**, No. 2, 1206-1212 (1995)

4.8 F.W. Meyer et. al., Phys. Rev. A 32, 6, 3310 (1985)

4.9 Cüneyt Can, Tom J. Gray, S. L. Varghese, J. M. hall, and L. N. Tunnell, Phys. Rev. A, **31**, 1, 72-83, (1985)