

Atomic Data for Fusion

1999

R. Brandenburg, J. Schweinzer, S. Fiedler, F. Aumayr and HP. Winter,
Modelling of fast neutral Li beams for fusion edge plasma diagnostics,
Plasma Physics and Controlled Fusion **41**, 471-484 (1999)

J. Schweinzer, R. Brandenburg, I. Bray, R. Hoekstra, F. Aumayr, R.K. Janev and
HP. Winter,
*Database for inelastic collisions of lithium atoms with electrons, protons and multiply
charged ions*,
Atomic Data and Nuclear Data Tables **72**, 239-273 (1999)

2000

H. Anderson, M. von Hellermann, R. Hoekstra, L.D. Horton, A.C. Howman, R.W.T. Konig,
R. Martin, R.E. Olson and H.P. Summers,
Neutral beam stopping and emission in fusion plasmas I: Deuterium beams,
Plasma Phys. Controll. Fusion, **42**, 781 (2000)

H. D. Falter, M. Proschek, S. Menhart, F. Aumayr, HP. Winter, D. Ciric, S. Cox, A. Dines, D.
Godden, N. Hawkes and T.T.C. Jones, *Helium doped hydrogen or deuterium beam as cost
effective and simple tool for plasma spectroscopy*, Rev. Sci. Instrum. **71**, 3723 – 3727 (2000)

R. TraBl, H.Bräuning, K.v.Diemar, F.Melchert, E.Salzborn, and I.Hofmann
Ion-ion charge exchange collisions and applications
in: Atomic Processes in Plasmas, ed. R.C.Mancini
AIP Conference Proceedings, No **547** ,157 (2000)

2001

H. Bürbaumer, R. Neu, R. Schneider, D. Coster, J. Stober, F. Aumayr and HP. Winter,
*Extension of the B2 edge code towards the plasma core for a self-consistent simulation of
ASDEX Upgrade scenarios*,
J. Nucl. Mat., **290-293**, 571-574 (2001)

S. Menhart, M. Proschek, H.-D. Falter, H. Anderson, H. Summers, A. Stäbler
P. Franzen, H. Meister, J. Schweinzer, T.T.C. Jones, S. Cox, N. Hawkes, F. Aumayr and HP.
Winter,
Explorative studies for the development of fast He beam diagnostics,
J. Nucl. Mat., **290-293**, 673-677 (2001)

R. TraBl, H.Bräuning, K.v.Diemar, F.Melchert, and E.Salzborn
Ion-ion charge exchange cross sections for heavy ion fusion
Nucl.Instr. and Meth. **A464**, 80 (2001)

2002

Gilbody H B and McCullough R W,

Measurements of state-selective electron capture by slow multiply charged ions in specified ground and metastable states,

Atomic and Plasma-Material Interaction Data for Fusion **10**, 37-55 (2002)

Z. Juhasz, G. Lubinski, R. Morgenstern and R. Hoekstra

Line emission spectroscopy of low-energy charge transfer reactions

Nucl. Fusion Suppl.: At. and Plasma Mat. Int. Data. **10** (2002) 25

2003

S. Cernusca, HP. Winter, F. Aumayr, A. Qayyum, W. Schustereder, C. Mair, P. Scheier,
and T.D. Märk

Edge Plasma relevant ion-surface collision processes

Int. Journal of Mass Spectrometry and Ion Processes **223-224** , 21 – 36 (2003)