

AU Beroff, K, Chabot, M, Mezdari, F, Martinet, G, Tuna, T, Desesquelles, P, Le Padellec, A, Barat, M

AF Beroff, K., Chabot, M., Mezdari, F., Martinet, G., Tuna, T., Desesquelles, P., Le Padellec, A., Barat, M.

TI Fragmentation of small carbon clusters, a review

SO NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS

LA English

DT Proceedings Paper

CT 7thTriennial International Symposium on Swift Heavy Ions in Matter

CY JUN 02-05, 2008

CL Lyon, FRANCE

DE Cluster-atom collisions; Fragmentation spectrometry; Carbon clusters; Multi-charged carbon clusters

ID VALENCE ONE-ELECTRON; UP IONIZATION BANDS; DISSOCIATION-ENERGIES; NEUTRAL FRAGMENT; IONS; ENERGETICS; PHOTOFRAGMENTATION; PHOTODISSOCIATION; MOLECULES; CHAINS

AB An overview of the works devoted to fragmentation of small carbon clusters is given in a first part. Fragmentation of swift neutral and (multi) charged carbon clusters studied with the AGAT spectrometer is presented and discussed in a second part. (C) 2009 Elsevier B.V. All rights reserved.

C1 [Beroff, K.; Mezdari, F.; Barat, M.] CNRS, Lab Collis Atom & Mol, F-91405 Orsay, France. [Desesquelles, P.] Univ Paris 11, Ctr Spectrometrie Nucl & Spectrometrie Masse, F-91405 Orsay, France. [Chabot, M.; Martinet, G.; Tuna, T.] CNRS, IN2P3, Inst Phys Nucl, F-91405 Orsay, France. [Le Padellec, A.] Univ Toulouse 3, Inst Rech Syst Atom & Mol Complexes, F-31062 Toulouse 9, France. [Le Padellec, A.] CNRS, F-31062 Toulouse 9, France.

RP Beroff, K, CNRS, Lab Collis Atom & Mol, Batiment 351, F-91405 Orsay, France.

EM karine.beroff@u-psud.fr

NR 40

TC 0

PU ELSEVIER SCIENCE BV

PI AMSTERDAM

PA PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

SN 0168-583X

J9 NUCL INSTRUM METH PHYS RES B

JI Nucl. Instrum. Methods Phys. Res. Sect. B-Beam Interact. Mater. Atoms

PD MAR

PY 2009

VL 267

IS 6

BP 866

EP 871

DI 10.1016/j.nimb.2009.02.043

PG 6

SC Instruments & Instrumentation; Nuclear Science & Technology; Physics, Atomic, Molecular & Chemical; Physics, Nuclear

GA 442BQ

UT ISI:000265815200003