Issue	EPJ Web of Conferences Volume 63, 2013 Heavy Ion Accelerator Symposium 2013
Article Number	02017
Number of page(s)	4
Section	Reactions
DOI	http://dx.doi.org/10.1051/epjconf/20136302017
Published online	19 December 2013

EPJ Web of Conferences **63**, 02017 (2013)
http://dx.doi.org/10.1051/epjconf/20136302017

Fission fragment mass distribution in the $^{13}C+^{182}W$ and ^{176}Yb reactions

K. Ramachandran[1,2a], D.J. Hinde[1b], M. Dasgupta[1], E. Williams[1], A. Wakhle[1], D.H. Luong[1], M. Evers[1], I.P. Carter[1] and S. Das[1]

[1] Department of Nuclear Physics, The Australian National University, ACT 0200, Australia
[2] Permanent Address: Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay Mumbai, 400085 India

[a] e-mail: ramachandran.kandasamy@anu.edu.au
[b] e-mail: david.hinde@anu.edu.au

Published online: 19 December 2013

Abstract

Shell effects can play a prominent role in fission fragment mass distributions. For lighter systems in the region of A~180-200, mass distributions were generally expected to be symmetric. However, a recent experiment showed that fission of ^{180}Hg following electron capture of ^{180}Tl leads to an asymmetric mass