Contribution ID: **198**   Type: **Poster**

Elastic scattering of 9Be+51V near the Coulomb barrier

**Click here to download the template: <a href="https://agenda.infn.it/materialDisplay.py?mater...
Word , <a href="https://agenda.infn.it/materialDisplay.py?materialId=2&confId=5235">Lat...**

The 12th International Conference on Nucleus-Nucleus Collisions, June 21-26, 2015, Catania, Italy

Elastic scattering of 9Be+51V near the Coulomb barrier

J. C. Morales-Rivera[1,2], E. Martínez-Quiroz[2], T. L. Belyaeva[1], E. F. Aguilera[2], D. Lizcano[2], P. Amador-Valenzuela[2]

1 Universidad Autónoma de Estado de México, C. P. 50000, Toluca, México
2 Departamento de Aceleradores, Instituto Nacional de Investigaciones Nucleares, Apartado Postal 18-1027,
C. P. 11801, México, D. F., México

We present the elastic scattering angular distributions of the 9Be + 51V system measured at two energies
 In order to check the consistency of our results with those for other systems with the same projectile (t

Fig.1 The reduced total reaction cross sections: the left-hand panel shows different systems with the 9Be
projectile; the right-hand panel compares 9Be + 51V and 7Be + 58Ni systems.

[1] S. A. Goncharov et al., Phys. At. Nucl. 70, 1 (2007) 18.
[2] P. R. S. Gomes et al., J. Phys.: Conf. Ser. 492, 012004 (2014).

Primary author: Ms MORALES-RIVERA, Juan Carlos (Universidad Autónoma de Estado de México)

Co-authors: Dr LIZCANO, David (Departamento de Aceleradores, Instituto Nacional de Investigaciones Nucleares, Mexico); Prof. AGUILERA, Eli Francisco (Departamento de Aceleradores, Instituto Nacional de Investigaciones Nucleares, Mexico); Dr MARTÍNEZ-QUIROZ, Enrique (Departamento de Aceleradores, Instituto Nacional de Investigaciones Nucleares, Mexico); Dr AMADOR-VALENZUELA, Paulina (Departamento de Aceleradores, Instituto Nacional de Investigaciones Nucleares, Mexico); Prof. BELYAEVA, Tatyana (Universidad Autonoma del Estado de Mexico)

Presenters: Ms MORALES-RIVERA, Juan Carlos (Universidad Autónoma de Estado de México); Prof. BELYAEVA, Tatyana (Universidad Autonoma del Estado de Mexico)

Track Classification: Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions