Journal Articles


A A Cowley, S S Dimitrova, E V Zemlyanaya, K V Lukyanov, J J Van Zyt. Inclusive ($\rho \to \alpha$) reaction $^{59}$Co at an incident energy of 100 MeV and comparison with the reaction mechanism for $^{93}$Nb between 65 and 160 MeV. *Physical Review C* 93 (2016) 034624-1.


S Honey, S Naseem, I Ahmad, M Maaza, M T Bhatti. Large scale silver nanowires network fabricated by MeV hydrogen (H⁺) ion beam irradiation. *Chinese Physics B* 25 (2016)


J T Taylor, G Poludniowski, T Price, C Waltham, P P Alliport, G L Casse, M Esposito, P


M Msimanga, C A Pineda-Vargas, M Madhuku. K-shell x-ray production cross sections in Ti by 0.3-1.0 MeV/u $^{12}$C and $^{28}$Si ions for heavy ion PIXE. Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms 380 (2016) 90.


J Acharya, S Mukherjee, G F Steyn, N L Singh, A Chatterjee. Excitation functions of heavy residues produced in the $^{14}\text{N} + ^{103}\text{Rh}$ reaction up to 400 MeV: analysis of the pre-equilibrium mechanism with the hybrid Monte Carlo simulation model. Physical Review C 93 (2016) 024608-1.


**Conference Contributions**

International Conference on Nuclear Structure and Related Topics (NSRT15) 2015, Dubna, Russia


International Conference on Nuclear Structure and Related Topics (NSRT15) 2015, Dubna, Russia

S S Dimitrova, A A Cowley, E V Zemlyanaya, K V Lukyanov. $^{59}\text{Co}(\alpha,\gamma)$ reaction at 100 MeV incident energy - statistical multistep direct reaction into the continuum of outgoing energies.

[EPJ Web of Conferences 107 (2016) 08005]

13th Workshop on resistive plate chamber and related detectors (RPC2016) 2016, Ghent, Belgium


14th International conference on nuclear reaction mechanisms 2015, Villa Monastero, Varenna, Italy


International conference on Applications of Nuclear Techniques (CRETE15) 2015, Crete, Greece


6th Young researcher meeting, L'Aquila 2015, L'Aquila, Italy

CNR*15 - 5th International workshop on compound-nuclear reactions and related topics 2015, Tokyo, Japan


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