

PLPAC meeting 2024-1

Contribution ID : 16

Exploring breakup probabilities in 11B induced reaction

Monday 22 Apr 2024 at 11:35 (00h15')

PI info :

Vivek Parkar

local collaborator info :

NA

Collaborators Name :

S. K. Pandit, Prabhat Mishra, A. Shrivastava, K. Mahata, K. Ramachandran, Vineet Kumar, L. S. Danu, S. Mukhopadhyay, P. Patale, A. Kumar, Prasanna M., S. Kaur, P. K. Nayak

Motivation :

Detailed proposal attached

Beam time requirement in shifts :

18

Beam :

11B

Beam Energy :

55 MeV

Beam Current :

5 pnA

Beam Port :

Hall 1, 30 Deg

Buncher Required :

No

Target / Sample Details :

159Tb, 197Au, 209Bi

Whether the experiment is part of PhD work ? :

No

Whether the experiment is part of Post-Doc work ? :

No

information on the past beamtime at PLF :

10B+159Tb, 197Au, 209Bi experiment in Sept - 2021
9Be+144Sm offline gamma counting experiment in Feb- 2023

Publication information related to prior work at the PLF :

1. Prabhat Mishra et al., Proc. of the DAE Symp. on Nucl. Phys. 67, 439 (2023)
2. Satbir Kaur et al. Proc. of the DAE Symp. on Nucl. Phys. 66, 383 (2022), Proc. of the DAE Symp. on Nucl. Phys. 67, 385 (2023)
3. V. V. Parkar et al., Phys. Rev. C 109, 014610 (2024)
4. Satbir Kaur et al., Nucl. Phys. A 1046, 122864 (2024)

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Co-authors :

Presenter : Dr. PARKAR, Vivek (Bhabha Atomic Research Centre)

Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--