PLPAC meeting 2024-1

Contribution ID : 15

Investigation of breakup probabilities in 10B+159Tb system

Monday 22 Apr 2024 at 11:50 (00h15')

PI info :
Prabhat Mishra

local collaborator info :
Vivek Parkar

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

Motivation :
Detailed proposal attached

Beam time requirement in shifts :
21

Beam :
10B

Beam Energy :
40-60

Beam Current :
2

Beam Port :
Hall 1, 30 Deg

Buncher Required :
No

Target / Sample Details :
159Tb

Whether the experiment is part of PhD work ? :
Yes

Name of the PhD student and year of registration :
Prabhat Mishra, 1 Jan 2022

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

No

information on the past beamtime at PLF :

NA

Publication information related to prior work at the PLF :

1. Elastic scattering and α production with 10B projectile; 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. Satbir Kaur et al. Nucl. Phy. A 1046, 122864 (2024)

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Co-authors :

Presenter : Mr. MISHRA, Prabhat (NPD, BARC)

Session classification : --not yet classified--

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Type : --not specified--