

PLPAC meeting 2024-1

Contribution ID : 20

Measurement of High energy gamma rays in $A \sim 90$ region using INGA PARIS setup

Tuesday 23 Apr 2024 at 12:15 (00h15')

PI info :

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local collaborator info :

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Collaborators Name :

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Motivation :

We want to test the PARIS detector using in-beam experiment coupled to INGA. We are using Pixie based DDAQ. Two different crates, one for clover, CsI and other one for PARIS, LaBr₃(Ce) detector will be used and will have to be time synchronized.

This improved setup is important to get new insight about the high spin behavior of the isotopes near $A = 90$.

Beam time requirement in shifts :

12

Beam :

¹³C

Beam Energy :

60 MeV

Beam Current :

2 pA

Beam Port :

Hall-2 15 deg.

Buncher Required :

No

Target / Sample Details :

82Se

Whether the experiment is part of PhD work ? :

yes

Name of the PhD student and year of registration :

Vishal Malik, 2022

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

No

information on the past beamtime at PLF :

^{13}C @ 60MeV

Publication information related to prior work at the PLF :

No

Primary authors : Prof. PALIT, Rudrajyoti (Tifr Mumbai) ; Mr. MALIK, Vishal (Tifr Mumbai) ; Prof. NANAL, Vandana (Tifr Mumbai)

Co-authors :

Presenter : Mr. MALIK, Vishal (Tifr Mumbai)

Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--