PLPAC meeting 2024-1

Contribution ID : 28

Investigation of octupole correlation in Zn and Ge isotopes, near N~Z=34, A~60-70 region

Monday 22 Apr 2024 at 14:45 (00h15')

PI info :
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Collaborators Name :
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Motivation :
This PhD thesis proposal aims to undertake experimental investigation on octupole correlation of the nucleus of mass number A~60-70 region. For this purpose, We select 68Zn and 70Ge and their close by neighbors. The systematic study of some parameters will help to explore the collective behavior of the proposed nuclei and its neighbour.

Beam time requirement in shifts :
24

Beam :
7Li

Beam Energy :
20MeV-50MeV

Beam Current :
2pnA-3pnA

Beam Port :
LINAC-Hall

Buncher Required :

No

Target / Sample Details :
64Ni,thickness-700 microgram/cm^2

Whether the experiment is part of PhD work ? :
Yes

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 :
NA

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Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--