

# PLPAC meeting 2024-1

Contribution ID : 27

## Study of the octupole collectivity in $^{90}\text{Zr}$

Monday 22 Apr 2024 at 14:30 (00h15')

**PI info :**

R. Palit

**local collaborator info :**

P. Dey

**Collaborators Name :**

P. Dey, A. Kundu, A. Sindhu, S. V. Jadhav, V. Malik, B. S. Naidu, V. Nanal, and A. T. Vazhappily (TIFR)

P. J. Napiorkowski (Heavy Ion Laboratory, University of Warsaw)

**Motivation :**

Coulex experiment

**Beam time requirement in shifts :**

18

**Beam :**

$^{32}\text{S}$

**Beam Energy :**

80 - 90 MeV

**Beam Current :**

1

**Beam Port :**

Hall-2, 15 deg

**Buncher Required :**

No

**Target / Sample Details :**

$^{90}\text{Zr}$

**Whether the experiment is part of PhD work ? :**

Yes

**Name of the PhD student and year of registration :**

A. Sindhu

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

Yes

**information on the past beamtime at PLF :**

4 experiments

**Publication information related to prior work at the PLF :**

1. P. Dey, R. Palit et al., Physical Review C 109 (3), 034313 (2024).
2. .Dey, D.Negi, R.Palit et al., Phys.Rev. C 105, 044307 (2022).
3. Md.S.R.Laskar, R.Palit, et al., Phys.Rev. C 104, L011301 (2021).
4. A.Kundu, Md.S.R.Laskar, R.Palit, et al., Phys.Rev. C 103, 034315 (2021).
5. F.S.Babra, S.Jehangir, R.Palit et al., Phys.Rev. C 103, 014316 (2021).

**Primary authors :** Prof. PALIT, Rudrajyoti (TIFR)

**Co-authors :**

**Presenter :** Prof. PALIT, Rudrajyoti (TIFR)

**Session classification :** --not yet classified--

**Track classification :** --not yet classified--

**Type :** --not specified--