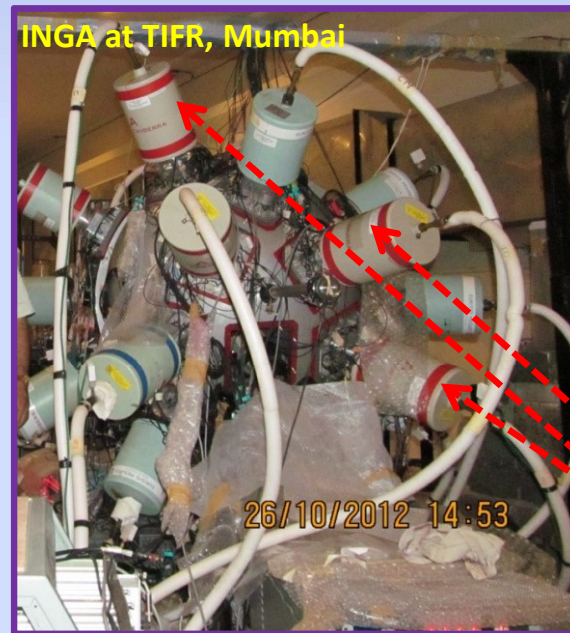


Indian National Gamma Array (INGA)

A boost to the experimental nuclear physics research in India

- ❑ Formal agreement between institutions for pooling resources: TIFR, **BARC**, SINP, VECC, IUC-DAEF & IUAC in 2000
- ❑ Additional funding received from Dept. of Science & Technology in 2005 for augmenting the general pool.
- ❑ INGA has a national committee (PICC) with members from TIFR, **BARC**, VECC, SINP, IUAC, UGC-DAE-CSR-KC, Universities and IITs for project implementation, coordination, and the upgrade of the facility.
- ❑ National collaboration involving 26 Universities and Institutes within India.
- ❑ 125 publications including 4 PRLs, 7 PLBs, 5 PRC Rapid Comm, 68 PRC.
- ❑ 10 Instrumentation papers, 40 PhD theses.



✓ As part of the collaboration, NPD, BARC, contributed 4 (four) Clover Ge detectors (1/5th of the Array) to the INGA campaign at TIFR.

✓ More than 30 experiments were carried out by experimental groups from the country and abroad.

Detectors from NPD, BARC

For further details on INGA TIFR campaign:

1. S. Mukhopadhyay et al., Phys. Lett. B 739 (2014) 462-467.
2. S. Mukhopadhyay et al., Phys. Rev. C 96 (2017) 014315.
3. A. Kundu et al., Phys. Rev. C 100 (2019) 034327.
4. S. Mukhopadhyay et al., Nucl. Phys. A 1000 (2020) 121785-121796.