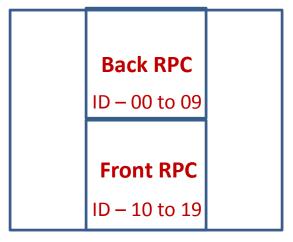
Mini ICAL Operations

K.C.Ravindran, INO Madurai
On behalf of INO Group both at
Madurai & Mumbai

Mini-ICAL Present Status

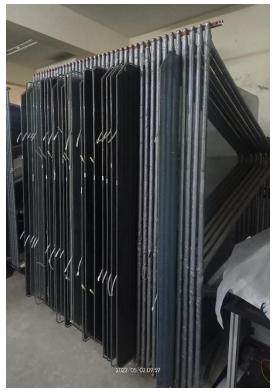
- In Phase -1 we installed 10 RPC's and these RPC's were pushed towards the center of the magnet and data taking started during May 2018
- Phase-2 installation started in March 2020 and Pandemic started
- 2 RPC's are installed for all layers making the total number to 20 in July 2021
- Layer-0 and Layer-5 removed now for magnetic field measurements
- Layer 3 back installed with Anusparsh Preamplifier-Discriminator boards for testing and all other layers have NINO boards.
- 5 layers have HV developed by BARC, INO
 HV
- HV and others connected to CAEN HV supply
- Gas system from OLS to CLS





Top View of any layer

RPC Packing, testing and inserting in the layer



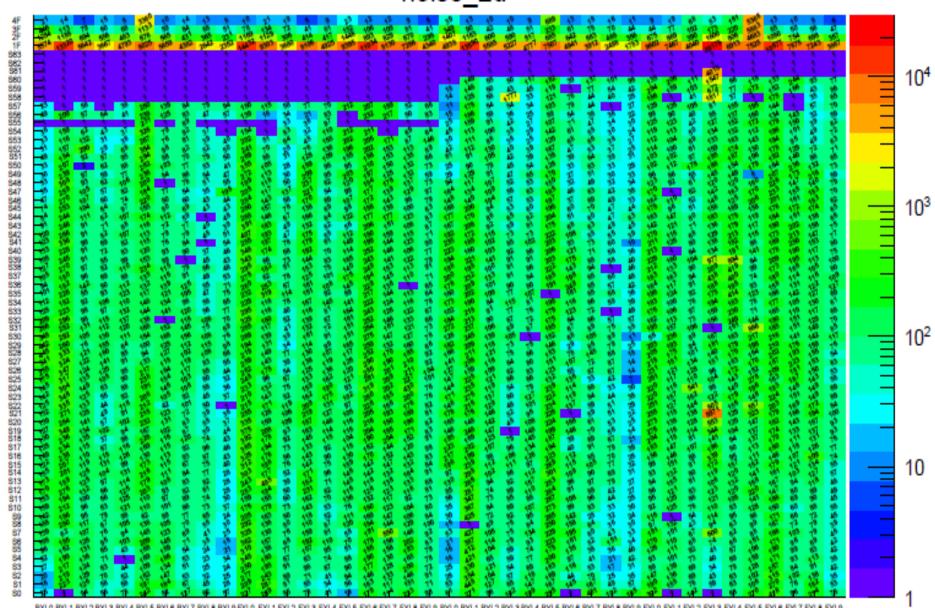


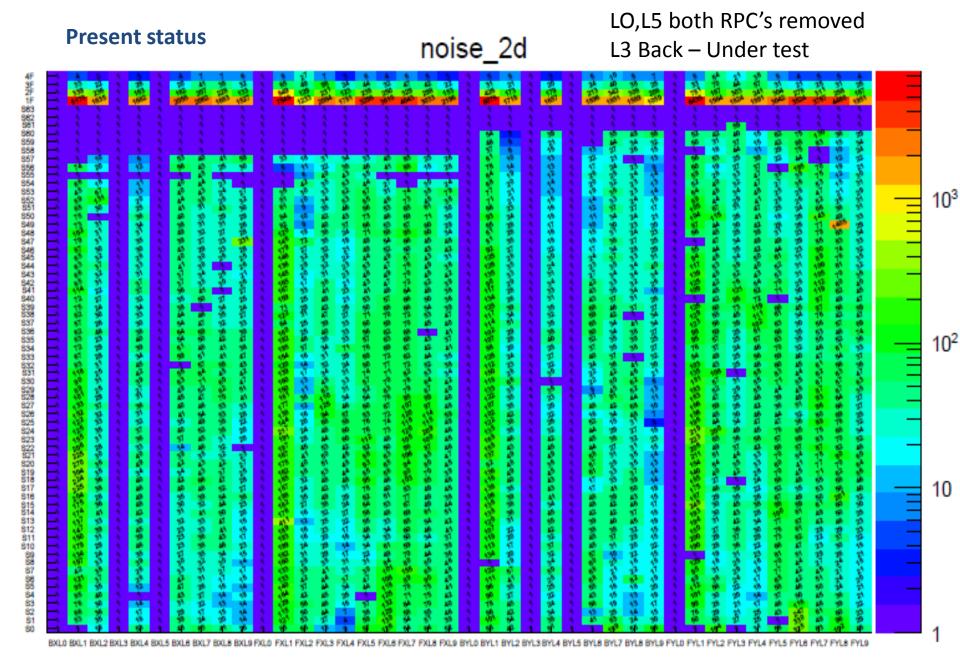




- 1. Leak test of gap at RPC rack
- 2. Move to A-Type trolley
- 3. Pack the RPC and move to the layer





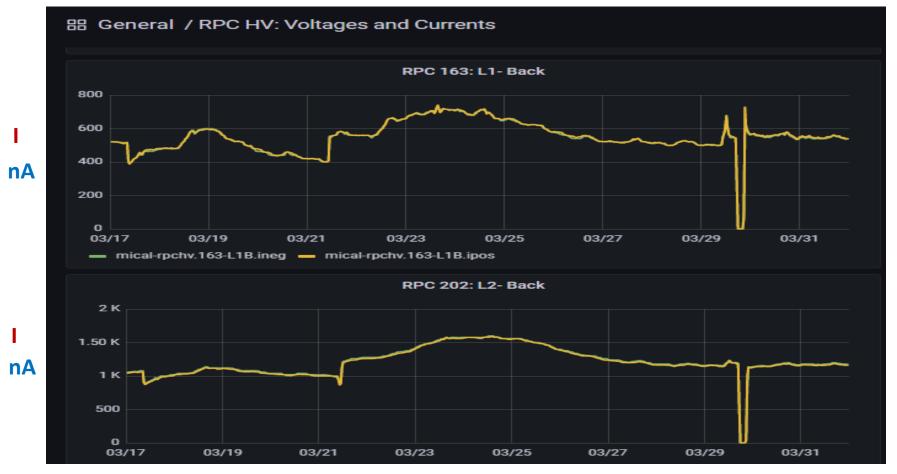


Nagios to Grafana to monitor Ambient Pressure, Temperature and Humidity

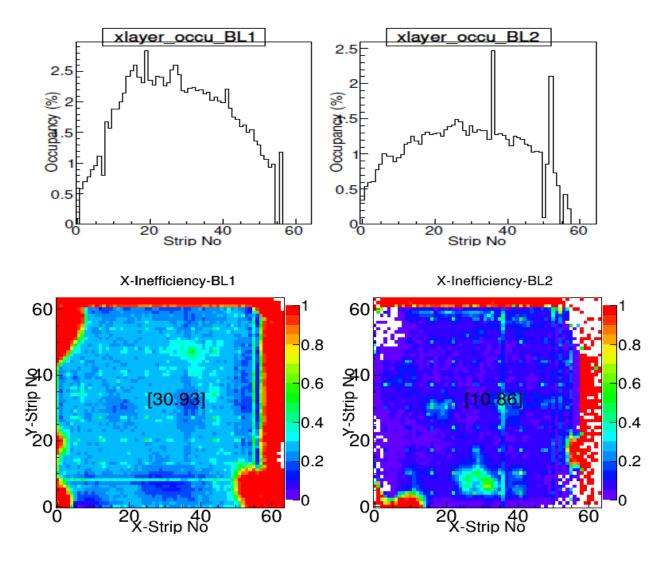


Grafana to monitor RPC Voltages and current

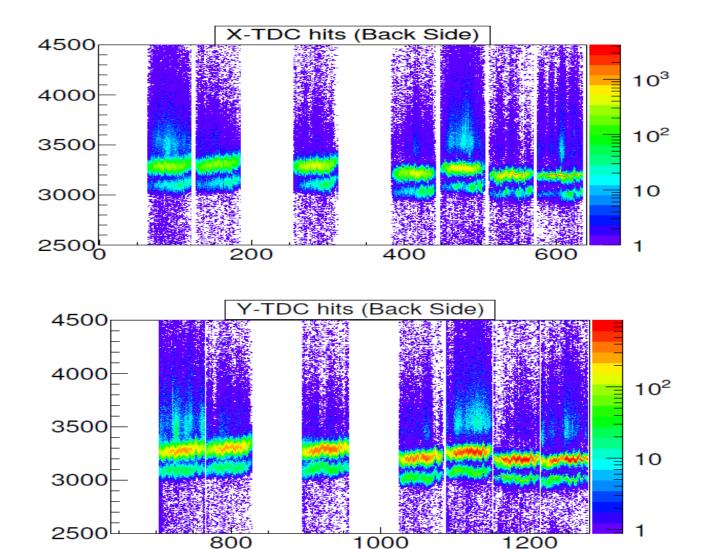
RPC Current: back Layer 1 and back Layer 2

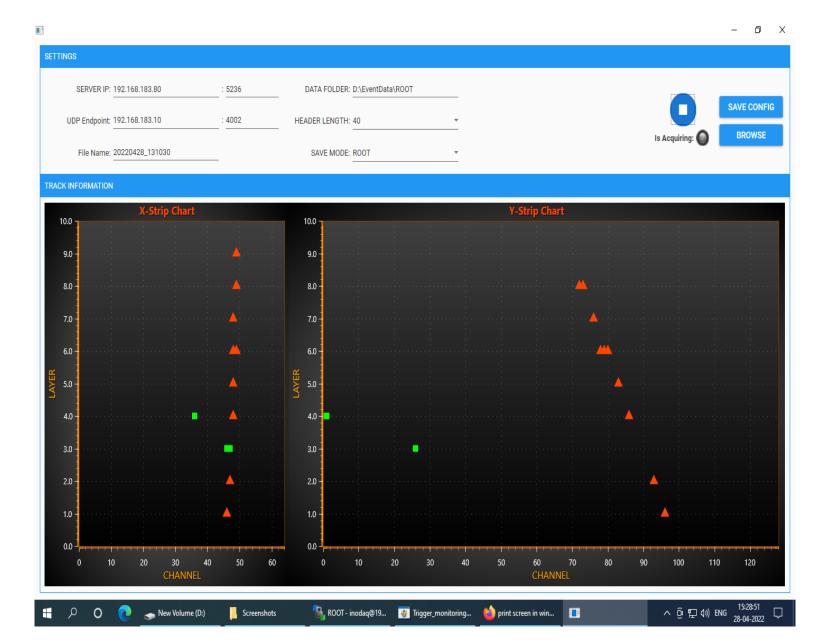


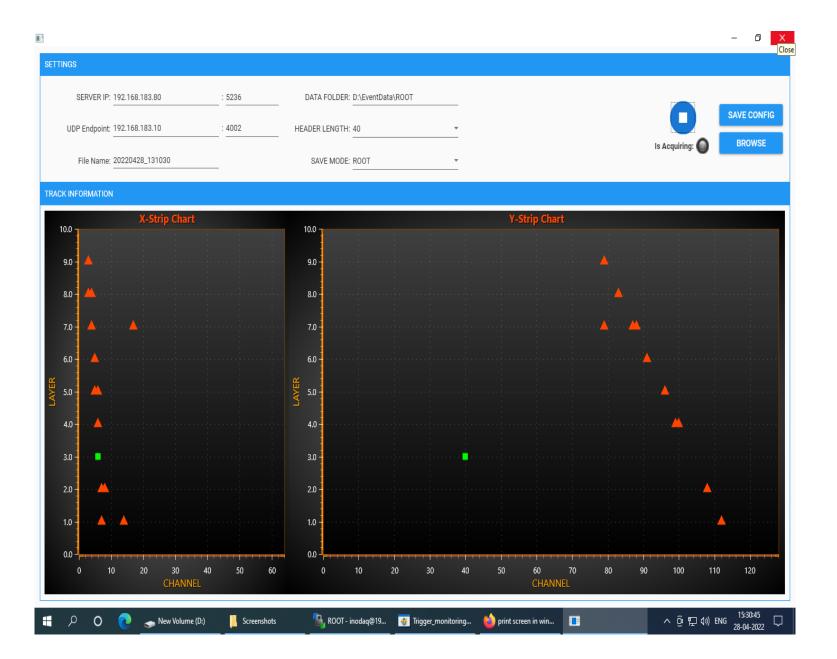
Typical Occupancy & Efficiency plots



TDC Distributions







Post graduate students of Mannar college, Madurai visited IICHEP on 29/03/2022







No visitors, interns were allowed during pandemic and 4 interns joined recently after pandemic

Staff at IICHEP, Madurai

- Pethuraj
- Jim M John
- Vijaykumar
- Umesh Shas
- Rajkumar Bharati
- Jayakumar Ponraj
- Pandiraj C.
- Shrinadh Gobidesi
- Veera Padmavathi
- Krishnamoorthy J.
- Aditya Deodhar
- Kartik KS
- Kirti prakash Sharma