

# Central University of Tamil Nadu

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## Past Research Experience:

### ★ STAR Experiment [2 years]:

- rho meson production measurement with RHIC BES data.
- TOF simulation.

### ★ ALICE Experiment [9 years]:

- Higher moments of net-charge and net-proton distributions in Pb-Pb@2.76TeV and 5.02 TeV (Ph.D Thesis work).
- Beauty hadron ( $B \rightarrow e$ ) measurement in pp@13 TeV.
- characterisation, testing and module assembly for ALICE ITS upgrade.

### ★ CMS experiment [<1 year]:

- Net-charge fluctuations measurement in Pb-Pb@5.02 TeV.

## Manpower:

- Faculty: Nirbhay Kumar Behera
- Students: Two BS-MS students [ Allan Prince and Jeshar Roy]