

ORNL interests in RDC3

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ORNL is managed by UT-Battelle, LLC for the US Department of Energy

ORNL interest in RDC3

- ORNL involved in CMS ETL Sensor and bump bonding (NP) and ALICE ITS(3), sPHENIX MVTX
- ORNL is investing in our Silicon detector R&D
 - CM300 Probe-station delivered this week,
 - FC150 Probe-station in production
- We are ramping up activities in Silicon detector and our interested are in :
 - Low-cost interconnect for module and assembly integration
 - Small pixel fast timing silicon detectors
 - With Timepix4 and future timing ASIC
 - Design of novel readout architecture integrating ML/AI at the edge
 - CARIBOu2.0
 - Spiking neural networks