Virginia Tech

Pls: Bruce Vogelaar Camillo Mariani

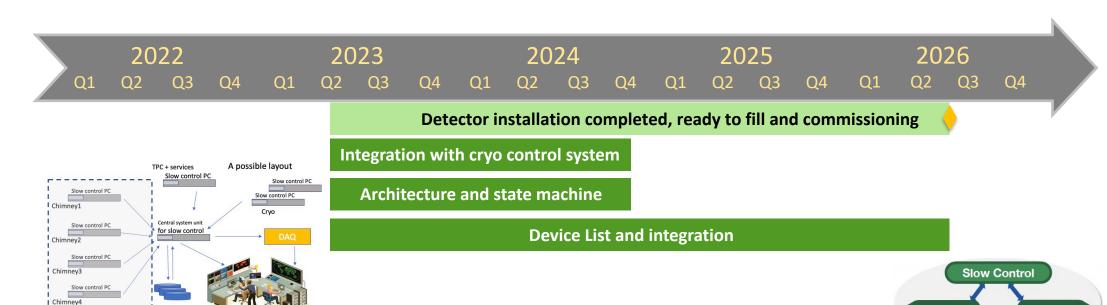
Financial Board Meeting May 31, 2023







DarkSide Tasks



Detector control system (DCS) & Detector safety system (DSS)

- INFN provides the Hardware
- INFN provides staff personnel at LNGS
- Virginia Tech provides expertise, system integration and configuration (as L3 Manager Mariani) [NSF]
- Virginia Tech provides non-staff personnel [NSF]
- Virginia Tech provides support for CERN expert to facilitate system integration [NSF]



DSS

DCS

PE controls

Backup Control only during DAQ down time

DarkSide Tasks



Detector control system (DCS) & Detector safety system (DSS)

- Mockup control and monitoring
- Coordinate integration of control and monitoring system with safety system (as L3 manager – Mariani)
- Train personnel and bring the group up to speed in the next year



Camillo Mariani

Key DarkSide Tasks



VT aspects of this proposal - Proposed Tasks and Deliverables:

Control systems for AAr and UAr cryogenics

- Mockup cryo-control and monitoring platform to train PD, GS and other personnel
- Development and integration of cryogenic control systems and integration with DAQ and lab safety system (as L3 manager – Mariani)

