

**Session Program**

**24-28 May 2021**

**TIPP 2021**

***Posters: Front-end electronics***

# Thursday 27 May

05:00

## Posters: Front-end electronics: Thursday Early

### Poster Session

#### **A possible design of the readout electronics for large area SiPM detectors of the TAO experiment**

**Speaker**

Paolo Montini

#### **CMS ECAL upgrade for precision timing and energy measurements at the High-Luminosity LHC**

**Speaker**

Thomas Reis

#### **Sub-nanosecond Cherenkov photon detection for the LHCb RICH system in high-occupancy conditions**

**Speaker**

Floris Keizer

#### **A 4.5GHz to 5.6GHz PLL in 55 nm CMOS for High-Energy Physics Experiments**

**Speakers**

Cong Zhao, Prof. Di Guo

#### **A radiation tolerant 16 Gbps 1:16 Deserializer for High-Energy Physics Experiments**

**Speaker**

Qiangjun Chen

#### **Development of the Readout Electronics System for CEPC ScECAL**

**Speaker**

Anshun Zhou

#### **Prototyping Serial Powering with RD53A**

**Speaker**

Florian Hinterkeuser

#### **Electronics for GEM Detectors - Recent Developments**

**Speaker**

Christian Honisch

#### **Design and Implementation of TCSA-based Readout System for STCF ECAL**

**Speaker**

Laifu Luo

#### **WITHDRAWN - SMART: SiPM Multichannel ASIC for high Resolution Cherenkov Telescopes**

**Speaker**

Leonardo Di Venere

**A Low Noise Readout System for Diamond Microstrip Detectors****Speaker**

Laifu Luo

**The QPix pixelated readout concept for future large liquid argon time projection chambers: status and prospects****Speaker**

Dr Vasily Shebalin

**Characterization and verification of the Shunt-LDO regulator and its protection circuits for serial powering of the ATLAS and CMS pixel detectors****Speaker**

Jeremias Kampkötter

**Development of an integrated readout electronics system for a highly granular scintillator-tungsten calorimeter prototype for the CEPC****Speaker**

Anshun Zhou

**An SCA ASIC-based multi-channel readout system for the Prototype MTPC at CSNS Back-n White Neutron Source****Speaker**

Zhen Chen

**A direct-sampling RF receiver for MOLLER beam charge measurement****Speaker**

Yuan MEI

**CBM Projectile Spectator Detector Readout Chain****Speaker**

Mr Aleksandr Makhnev

**Innovative Safety Monitoring System based on Fiber Optic Sensors Technology Compatible with 4-20mA Standard****Speaker**

Vincenzo Romano Marrazzo

**A Novel High Rate Readout System for a High Efficiency Cosmic Ray Veto for the Mu2e Experiment****Speaker**

Simon Corrodi

**Measurement results for the AARDVARC: A High Performance Waveform Digitizer System-on-Chip****Speaker**

Isar Mostafanezhad

05:30