Contribution ID: **13** Type: **Non-electrical and electrical parameters measurement (temperature, pressure, current etc.)**

Development of software for monitoring temperature inside the MPD-TOF detector

Monday, 1 July 2019 11:50 (10 minutes)

The main task of the student will be to design the execution and software of the electronic system for measuring and monitoring the temperature of the detector elements based on platinum Pt100 thermoresistors. In order to acquire data, the student should use LabVIEW software and LUMEL SM1 modules. As part of the implementation of the subject of engineering work, there should also be a PCB design that implements the multiplexer task, which will be used in measuring the temperature inside the MPD-TOF detector.

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Session Classification: Presentations of topics

Track Classification: Team for the Future of NICA