

## Student's Zone 2019 of the NICA Project



Contribution ID: 10 Type: **Non-electrical and electrical parameters measurement (temperature, pressure, current etc.)**

### Heat transfer simulation of the MPD-ITS detector

*Tuesday 2 July 2019 11:20 (10 minutes)*

The student should examine the influence of the mesh density used simulation at the maximum temperature inside the detector and determine its optimal value. Then the simulations should be compared with the actual results measured with the FLUKE TiS-20 thermal imaging camera and with the results obtained during temperature measurements with Pt-100 thermistors.

**Primary authors:** Mr ROSLON, Krystian (Warsaw University of Technology (PL)); CZARNYNOGA, Maciej (Politechnika Warszawska)

**Presenters:** Mr ROSLON, Krystian (Warsaw University of Technology (PL)); CZARNYNOGA, Maciej (Politechnika Warszawska)

**Session Classification:** Presentations of topics

**Track Classification:** Team for the Future of NICA