

**Seminarium Astrofizyczne**  
wtorek 29.10.2019 godz. 12:30  
ul. Pasteura 7, sala 404

**Macrin Bielewicz**  
(NCBJ; Joint Institute for Nuclear Research Dubna)

### **The demonstrator of Cosmic Ray Detector (MCORD) for the MPD detector**

The presentation shows the present construction state of the MCORD detector (MPD Cosmic Ray Detector) demonstrator and early design status of the full MCORD detector based on the long and thin plastic scintillators with silicon photomultiplier photodetectors (SiPM) for the photon readout. Additionally we describe the motivations of those detection system. The Multi-Purpose Detector (MPD) is a part of Nuclotron-based Ion Collider fAcility (NICA) located in Dubna, Russia. The MPD needs an additional trigger system for better muons recognition and for rejection of cosmic ray muons. The NICA-PL consortium comprised of several Polish scientific institutions has been formed to determine goals and basic assumptions for MCORD detector.

Serdecznie zapraszam,  
Agnieszka Majczyna