

Welcome to NICA days 2017 in Warsaw



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NA61/SHINE facility at CERN SPS

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NA61/SHINE is a fixed target experiment operating at the CERN Super-Proton-Synchrotron (SPS). The NA61/SHINE Collaboration aims to study the properties of strongly interacting matter on the onset of deconfinement. The SPS beam energy range allows creating nuclear matter around the critical point. Beam momentum in the range 13A-150A GeV/c and a wide selection of the system size (p+p, Be+Be, Ar+Sc, Xe+La; Pb+Pb) was measured previously by NA49) create a two-dimensional scan enabling systematically significant studies.

The NA61/SHINE experimental facility will be presented. Actual status of the detector together with recent hardware upgrades will be discussed. Recently, NA61/SHINE spectrometer was equipped with a new Vertex Detector, which allows for identification of open charm mesons produced in nucleus-nucleus collisions at SPS energies.

Primary author: PODLASKI, Piotr (University of Warsaw (PL))

Presenter: PODLASKI, Piotr (University of Warsaw (PL))

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