International Conference on Exotic Atoms and Related Topics and conference on Low Energy Antiprotons (EXA/LEAP 2024)



Contribution ID: 82

Type: not specified

## **The PANDA Experiment**

Friday 30 August 2024 12:00 (30 minutes)

The PANDA experiment represents one of the scientific pillars of the Facility for Antiproton and Ion Research by utilizing an antiproton beam for unsurpassed high statistics and high precision hadron physics in the meson and baryon sector with flavors up to charm. The PANDA experiment will use a multipurpose magnetic detector with full particle ID comprising a target and a forward spectrometer to make maximum us of the stored antiproton beam with momenta up to 15 GeV/c and luminosities reaching 10^32/cm2/s when impinging on a our world record gas-jet target.

The current status of PANDA will be presented as well as bridging activities which will allow scientific harvest with PANDA technologies and along the lines of the scientific goals of PANDA as long as the PANDA detector is not fully operational.

Author: PETERS, Klaus (Institut fuer Experimentalphysik I) Presenter: PETERS, Klaus (Institut fuer Experimentalphysik I)