



Contribution ID: 107

Type: **Talk**

## **[301] The future space-borne High Energy cosmic-Radiation Detection facility**

*Monday, June 27, 2022 5:15 PM (15 minutes)*

The High Energy cosmic-Ray Detection facility (HERD) is a future space-borne experiment that is planned to be launched in 2027. It will be installed on the China's Space Station (CSS) and will collect data for at least 10 years. The detector is under development, laboratory and beam tests are performed to finalize the overall design. The scientific goals and requirements of HERD will be presented, together with the performance of the prototypes of its subdetectors.

**Primary author:** FRIEDEN, Jennifer Maria (Universite de Geneve (CH))

**Co-author:** FOR THE HERD COLLABORATION

**Presenter:** FRIEDEN, Jennifer Maria (Universite de Geneve (CH))

**Session Classification:** Nuclear, Particle- & Astrophysics

**Track Classification:** Nuclear, Particle- and Astrophysics (TASK)