Contribution ID: **123** Type: **Oral**

Helium flux and elemental composition of galactic Cosmic Rays with the DAMPE space mission

Wednesday, 5 September 2018 16:40 (20 minutes)

DAMPE (DArk Matter Particle Explorer) is a space mission project promoted by the Chinese Academy of Sciences (CAS), in collaboration with Universities and Institutes from China, Italy and Switzerland. The detector is collecting data in a stable sun-synchronous orbit lasting 95 minutes at an altitude of about 500 km. It has been launched in December 17th, 2015, from the Jiuquan Satellite Launch Center, in the Gobi Desert. The main goals of the mission are: indirect search for Dark Matter, looking for signatures in the electron and photon spectra with energies up to 10 TeV; analysis of the flux and composition of primary Cosmic Rays with energies up to hundreds TeV; high energy gamma-ray astronomy. Preliminary results about the Helium flux and Cosmic Rays composition will be presented and discussed.

Primary author: DI SANTO, Margherita (LE)

Presenter: DI SANTO, Margherita (LE)

Session Classification: CR