

## **Status and Prospect of cosmic rays iron spectrum with energy from 100 TeV to 10 PeV measured by LHAASO**

The direct measurements of the proton spectrum show a softening at  $E \approx 13$  TeV and a similar softening at  $E \approx 34.4$  TeV on helium spectrum. Whether and where a softening on iron spectrum is very important to study the origin of cosmic rays. LHAASO hybrid observation can select the iron showers with 90% purity. The selection efficiency is 40%. It is expect to complete the measurement of iron spectrum next year.

**Primary authors:** Dr YIN, Liqiao; Ms CHEN, Suhong

**Presenter:** Dr YIN, Liqiao