

Executive summary

- What is this contribution about?
 - Cosmic ray composition and Spectrum measurement
- Why is it relevant / interesting?
 - Observing the second knee region which probably related with the galactic / extragalactic transition
- What have we done?
 - First preliminary results about the cosmic ray composition and spectrum measured by Telescope Array Low energy Extension(TALE) Hybrid detector are shown
- What is the result?
 - X_{\max} elongation rate changes at an energy $\sim 10^{17.1}$ eV
 - Obtained spectrum is consistent with previous result measured by TA