Multi-Messenger Astrophysics 2024



Contribution ID: 17

Type: not specified

Astroparticle Opportunities with SKA-low

Tuesday 26 March 2024 11:55 (15 minutes)

The low-frequency array of SKA will consist of more than 60,000 individual antennas on an area of only a few tens of square kilometres. Apart from providing radio astronomical data of unprecedented resolution at frequencies between 50 and 350 MHz, these antennas also present an opportunity for air shower detection. Break-through work at LOFAR has shown that dense arrays of radio antennas provide one of the highest-resolution measurements of air shower properties. This contribution will summarise the work of the SKA Science Working Group High Energy Particles towards Cosmic Ray and potential Gamma Ray Detection with SKA-low.

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