

Large-scale cosmic ray anisotropy measurements by GRAPES-3, PoS(ICRC2021)393, Summary

Medha Chakraborty

July 2021

What is this contribution about?

The observation of large-scale anisotropy by GRAPES-3 experiment.

Why is it relevant / interesting?

It gives us an insight into the acceleration and propagation mechanisms of cosmic rays.

What have we done?

We have tried to observe anisotropy in the overlapping region of both the hemispheres by using time scrambling method.

What is the result?

We have observed some excess in flux within $45^\circ - 80^\circ$ right ascension with strength of around 1.2×10^{-3} and significance of 2.1.