



Contribution ID: 217

Type: Oral Presentation

## Astrophysical origin of the highest-energy neutrino event

Recently the KM3NeT neutrino telescope detected the most-energetic neutrino event ever, dubbed KM3-230213A, at an estimated energy of 220 PeV. Given its near horizontal direction and exceptionally high energy, the most likely explanation is that the muon resulted from interaction of a muon neutrino of cosmic origin. In this talk I will explore an astrophysical source origin, both transients and steady, of this intriguing event.

**Apply for student award at which level:**

**Consent on use of personal information: Abstract Submission**

Yes, I ACCEPT

**Primary author:** RAZZAQUE, Soebur (University of Johannesburg)

**Presenter:** RAZZAQUE, Soebur (University of Johannesburg)

**Session Classification:** Astrophysics & Space Science

**Track Classification:** Track D1 - Astrophysics