

Exploring Fundamental Physics with Atmospheric Collider

Wednesday 8 June 2022 14:00 (15 minutes)

Cosmic rays colliding with the atmosphere have historically played a central role in exploration of neutrinos, leading to discovery of neutrino oscillations with Super-Kamiokande experiment. As I will show, the "atmospheric collider" offers unprecedented novel opportunities for exploration of fundamental physics. I will present leading new searches for magnetic monopoles, as well as promising targets for millicharge particles and dark matter.

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