



Contribution ID : 350

Type : **Poster**

Neutrino production in the central dark-matter spikes of active galaxies

Thursday, 24 October 2024 16:30 (30)

Recent multi-messenger observations suggest that high-energy neutrinos may be produced close to central black holes in active galaxies. These regions may host dark-matter (DM) spikes, where the concentration of DM particles is very high. Here we explore the contribution of the DM annihilation to the target photons for the neutrino production, proton-photon interactions, estimate the associated neutrino spectrum and figure out possible future tests of this scenario.

Primary author(s) : KIVOKURTSEVA, Polina (MSU,IRN)

Presenter(s) : KIVOKURTSEVA, Polina (MSU,IRN)

Session Classification : Poster session

Track Classification : Neutrino physics