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On the detectability of cosmogenic neutrinos

Monday, February 22, 2021 11:00 AM (20 minutes)

Ultra-high-energy cosmic rays (UHECRs) interact with pervasive photons during propagation. These interactions produce neutrinos, which can provide valuable insights on the elusive sources of UHECRs as well as on the composition of the highest-energy radiation. In this talk I will present realistic predictions for this cosmogenic flux, obtained through fits to UHECR measurements. In light of these results, I will discuss the prospects for detecting cosmogenic neutrinos with current and next-generation neutrino telescopes.

Collaboration name

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