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## **Exploring High-Energy Neutrinos with the Trinity Demonstrator: Observations and Initial Analysis**

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The Trinity Demonstrator is an imaging atmospheric Cherenkov telescope (IACT) to observe air showers from Earth-skimming tau neutrinos originating from diffuse and point sources. The telescope is stationed on Frisco Peak, Utah. Since its first light on October 3rd, 2023, the telescope has been looking for 10 PeV to 1 EeV neutrinos within its 4° x 4° field of view. The Demonstrator serves as a proof of concept for utilizing air shower imaging as a valid method for detecting high-energy neutrinos. The telescope points in the direction of NGC1068 and TXS 0506+056, both recognized for their potential to produce high-energy neutrinos. This presentation delves into the operational aspects of the telescope and provides insights into the preliminary data analysis.

Primary author: STEPANOFF, Sofia (Georgia Institute of Technology)

Presenter: STEPANOFF, Sofia (Georgia Institute of Technology)

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