

# Measurement of the astrophysical flavor composition

*Monday, 25 May 2026 17:45 (15 minutes)*

I would like to give a talk on the measurement of the astrophysical flavor composition, combining multiple IceCube event selections including starting events, tracks, and cascades. I will discuss the challenges of detecting tau neutrinos, which motivates multi-sample combinations and future joint analyses across detectors within GNN to gain the much needed statistics. I will also introduce NNMFit, the analysis software used in this work. It will soon be open source and an accompanying paper is under preparation. This framework could be a candidate for future joint diffuse neutrino analyses across detectors.

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**Session Classification:** Topical Sessions

**Track Classification:** Higher Level Data Analysis