

The ATLANT framework

Monday, 25 May 2026 14:30 (15 minutes)

We would like to present the ATLANT framework, a tool developed for advanced template-likelihood analyses. Designed originally for template diffuse analyses in ANTARES, it enables efficient handling of high-dimensional Template PDFs for testing models (like KRA γ , DiffUSE/CRINGE, or multimessenger targets such as LHAASO), and supports joint analyses across detectors such as ANTARES, IceCube, and KM3NeT/ARCA on the Galactic Plane. The GNN meeting is the ideal occasion to showcase these developments to the community, encouraging discussions and stronger cross-collaboration efforts in template-based neutrino astronomy.

Primary author: DE BENEDITTIS, Antonio (Unicampania - INFN sez. Napoli)

Presenter: DE BENEDITTIS, Antonio (Unicampania - INFN sez. Napoli)

Session Classification: Topical Sessions

Track Classification: Higher Level Data Analysis