

Ankur Sharma

Selected conferences, seminars, workshops, and summer schools attended during my academic career:







Conferences/Seminars

- Dec 2024** [Cosmic Rays and Neutrinos in the Multi-Messenger Era](#)
APC Paris, France
Poster+Talk: Neutrino follow-up observations with the High Energy Stereoscopic Survey (HESS)
- Dec 2024** [diiP Projects Day 2024](#)
Paris, France
Talk: Constraining blazar hadronicity in simulated SEDs using a foundation model pre-trained on time-series
- Dec 2023** [diiP Projects Day 2023](#)
Institut de Physique du Globe de Paris, France
Talk: Blazar Labelling And SED Tagging [BLAST] with supervised ML
- June 2022** [Fysikdagarna 2022](#)
Lund, Sweden
Talk: Probing X-ray bright blazars as sources of high-energy astrophysical neutrinos with IceCube
- Dec 2021** [Department Seminar](#)
University of Utah, Salt Lake City, Utah, USA (virtual)
Talk: Search for neutrino signatures in high-energy activity of blazars
- Nov 2021** [Partikeldagarna 2021](#)
Chalmers University, Gothenburg, Sweden
Talk: A model independent analysis of neutrino flares detected in IceCube from X-ray selected blazars
Talk: Probing the neutrino sky with IceCube: recent results and future outlook
- Nov 2021** [Brookhaven Forum 2021 \(Opening New Windows to the Universe\)](#)
BNL, Upton NY, USA (virtual)
Talk: Latest results from IceCube on high-energy neutrino astrophysics
- July 2021** [37th International Cosmic Ray Conference \(ICRC\)](#)
Berlin, Germany (virtual)
Poster: A model-independent analysis of neutrino flares detected in IceCube from X-ray selected blazars
Poster: Studies of systematic uncertainty effects on IceCube's real-time angular uncertainty
Poster: Expectations for the high-energy neutrino detection from starburst galaxies with KM3NeT/ARCA
- Dec 2020** [Department Seminar](#)
Uppsala University, Uppsala, Sweden (virtual)
Talk: Search for neutrino signatures in high-energy activity of blazars
- Nov 2020** [Partikeldagarna 2020](#)
Uppsala, Sweden (virtual)
Talk: Study of X-ray selected blazars with IceCube data

- Dec 2019** [Town Hall KM3NeT Multi-messenger Meeting](#)
Marseille, France
Poster: Time-Dependent Sensitivity and Discovery Potential for the KM3NeT-ARCA detector
- July - Aug 2019** [36th International Cosmic Ray Conference \(ICRC\)](#)
Madison, Wisconsin, USA
Talk: Characterizing the High-Energy Activity of Blazars Possibly Correlated with Observed Astrophysical Neutrinos
Poster: Time-Dependent Sensitivity and Discovery Potential for the KM3NeT-ARCA detector
Poster: KM3NeT/ARCA Expectations for the Low Latitude Bubbles
- Jan 2019** [eXtreme19](#)
Padova, Italy
Talk: Exploring the activity of extreme blazars and their observability through a neutrino telescope
- Aug 2018** [TeV Particle Astrophysics \(TeVPA\) Conference](#)
Berlin, Germany
Poster: From TXS 0506+056 to OP 313, Exploring Candidate Astrophysical Neutrino Emitters

Schools/Workshops

- Feb 2025** [III Workshop on Numerical Multi-Messenger Modeling](#)
DESY, Germany (Remote)
Updates on numerical code developments for simulation and fitting of multi-messenger emission from astrophysical sources
- Sept 2024** [GIF Multi-Messenger Astronomy School](#)
Paris, France
Status quo of multi-messenger astrophysics and future overview
- June 2024** [diiP Interdisciplinary Summer School on Data Science \(dSDS\)](#)
Paris, France
Deep Learning Data Analytics Techniques
- Feb 2024** [II Workshop on Numerical Multi-Messenger Modeling](#)
APC Paris, France
Updates on numerical code developments for simulation and fitting of multi-messenger emission from astrophysical sources
- Dec 2023** [Artificial Intelligence and the Uncertainty Challenge in Fundamental Physics](#)
Paris, France
Uncertainty quantification and prediction, Explainable AI, Simulation-based Inference, Data frugal approaches and Unfolding
- Nov 2023** [2nd Astro-COLIBRI multi-messenger astrophysics workshop](#)
Institut Pascal, Orsay, France
Interconnecting software tools for real-time multi-messenger astronomy
Project: Importing optical light-curves in Astro-COLIBRI
- Dec 2021** [Multi-messenger Postdoc Retreat](#)
Ruhr-University Bochum, Germany
Discussions on projects, analyses and ideas relating to multi-messenger astronomy
Talk: Neutrino signatures in high-energy activity of blazars

- June 2020** [IceCube BootCamp: Summer 2020](#) 
Madison, WI, USA (virtual)
Essentials of Neutrino Astronomy and IceCube Software
- June 2019** [OPTICON & Erasmus+ Summer School](#) 
Tatranska Lomnica, Slovakia
Observational Astrophysics: From Proposals to Publications
Project: Spectral analysis of near-Earth asteroids (381906) 2010 CL19 and (453778) 2011 JK using IRAF
- June 2018** [Dublin Institute for Advanced Studies \(DIAS\) Summer School](#) 
Dublin, Ireland
Summer School in High Energy Astrophysics
- March 2018** [Munich Institute for AstroParticle Physics \(MIAPP\) Topical Workshop](#) 
Munich, Germany
The High Energy Universe: Gamma Ray, Neutrino and Cosmic Ray Astronomy
- Nov 2017** [KM3NeT First BootCamp](#) 
Valencia, Spain
Data Analysis and Simulation Tools in KM3NeT
- June 2017** [International School on Astroparticle Physics \(ISAPP\)](#) 
Arenzano, Italy
Neutrinos in Physics, Astrophysics and Cosmology