

COSMIC NEUTRINO PRACTICUM

29 June - 03 July

Harvard Physics Department
17 Oxford St Jefferson Laboratory
Cambridge, MA 02138

Lectures:

Neutrino Telescope Basics, Data Analysis, and Current Measurements

Neutrino Interactions, Simulation and Event Generation

Neutrino Telescope Reconstruction Techniques and Machine Learning Methods

Neutrino Detectors

BSM Physics with High-Energy Neutrinos

Neutrino Source Modelling

BSM Physics with Neutrino Sources

Neutrino Source Searches

Diffuse Astrophysical Neutrinos

Neutrino Oscillation Measurements with Neutrino Telescopes

Organizers: Carlos Argüelles, Gonzalo Herrera, Molly Neylan, Nicholas Kamp, Will Thompson



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