

# **Aerogel Cherenkov Threshold Detectors: Design and Preliminary Results from WCTE**

The Water Cherenkov Test Experiment (WCTE) is a test experiment at CERN designed to enhance the sensitivity and calibration techniques of the Hyper-Kamiokande experiment. It provides a vital platform for developing calibration methods by exposing detectors to particle fluxes with well-defined types and kinematic properties. The particle identification system of WCTE comprises several detector components, including Aerogel Cherenkov Threshold (ACT) detectors. In this talk, I will present the design and preliminary analysis results from the most recent run at CERN.

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