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Calibration and Optimization techniques for a Very Large Volume Cherenkov Neutrino Detector using Extensive Air Showers

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We report on a simulation study of the calibration potential offered by floating Extensive Air Shower (EAS) detector stations (HELYCON), operating in coincidence with a Very Large Volume Cherenkov Neutrino telescope. We describe strategies in order to investigate for possible systematic errors in reconstructing the direction of energetic muons as well as to determine the absolute position of the underwater detector.

Please indicate "poster" or "plenary" session. Final decision will be made by session coordinators.

plenary

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