

Abstract Submitted
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Results of the radio-detection experiment HASRA (Hawaii Askaryan in Salt Radio Array) RADOVAN MILINCIC, Drexel University, HASRA TEAM TEAM — Measurements of the radio emission associated to Ultra High Energy Cosmic Ray particles interaction with dense dielectric material provide an effective method for their detection and exploration. The Hawaii Askaryan in Salt Radio Array (HASRA) was built to explore possibility of detection of coherent radio Cherenkov emission in rock salt from interaction of cosmic ray protons and Air Shower particles. Performance of the detector, the implemented detection techniques, and results of 1 year long measurement of Askaryan effect from CR particles with energy above 100 GeV will be reported. Also potential of future detectors utilizing radio techniques in rock salt will be discussed.

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