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IceCube's Radio Extension: Status and Results

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In 2006-2010, several Radio Frequency (RF) detectors and calibration equipment were deployed as part of the IceCube array at depths between 5 to 1400 meters in preparation for a future large scale GZK detector. IceCube's deep holes and well-established data handling system provide a unique opportunity for deep-ice RF detection studies at the South-Pole.

I will present verification and calibration results as well as status-review of ongoing analyses such as ice-properties, RF noise, reconstruction algorithms and GZK limits.

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Classification de Session: Acoustic & radio, neutrino & cosmic ray detection @ South pole