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End to end calibration of the ARA detector

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Coherent Cherenkov radio emissions from particle cascades were predicted by Askaryan, and the emissions were firstly detected at SLAC from the electro-magnetic cascades. Askaryan Radio Array (ARA) is being built at the South Pole to observe cosmogenic neutrinos by detecting the coherent radio emissions with the large instrumental area of about 100 km^2 . We are planning an end to end calibration of the ARA detectors by using a LINAC installed at the Telescope Array experiment site. The detail of the calibration and the current status will be presented.

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