



# ARENA 2018 - Acoustic and Radio EeV Neutrino Detection Activities

## Friday 15 June 2018

### Future and perspectives: Acoustic detection 1 (09:20 - 11:00)

-Conveners: Abigail Vieregg

time	[id] title	presenter
09:20	[49] Acoustic parametric techniques for neutrino telescope	Mr TORTOSA, Diego Didac
09:40	[52] Simulation studies for large scale acoustic neutrino detectors	LAHMANN, R.
10:00	[58] Fiber optic hydrophones in an acoustic neutrino telescope	BUIS, Ernst-Jan
10:20	[27] Analog and Digital Signal Processing for Pressure Source Imaging induced by a 20 MeV Proton Beam	ARTURO VALLICELLI, Elia
10:40	[11] A surface radio array for the enhancement of IceTop and its science prospects	BALAGOPAL V., Aswathi

### Future and perspectives: Radio detection 1 (11:30 - 12:50)

-Conveners: Olaf Scholten

time	[id] title	presenter
11:30	[45] Towards real-time cosmic-ray identification with the LOw Frequency ARay	HÖRANDEL, Jörg
11:50	[40] Expansion of the LOFAR Radboud Air Shower Array and Updated Calibration of the LOFAR Antennas	Dr MULREY, Katharine
12:10	[39] A New Concept for High-Elevation Radio Detection of Tau Neutrinos	Prof. WISSEL, Stephanie
12:30	[35] Radio Phased Arrays for the Detection of Ultra-High Energy Neutrinos	OBERLA, eric

### Future and perspectives: Radio detection 2 (14:20 - 15:20)

-Conveners: Nikolay Budnev

time	[id] title	presenter
14:20	[16] Keeping an ear to the ground for EeV neutrinos	TRZASKA, Wladyslaw Henryk
14:40	[51] Properties of the Lunar Detection Mode for ZeV Scale Particles with LOFAR	WINCHEN, Tobias
15:00	[48] Preparations for radio air-shower studies with the Murchison Widefield Array	BRAY, Justin