



# ARENA 2018 - Acoustic and Radio EeV Neutrino Detection Activities

## Friday, June 15, 2018

### Future and perspectives: Acoustic detection 1 (9:20 AM - 11:00 AM)

-Conveners: Abigail Viereg

time	[id] title	presenter
9:20 AM	[M9] Acoustic parametric techniques for neutrino telescope	Mr TORTOSA, Diego Didac
9:40 AM	[M2] Simulation studies for large scale acoustic neutrino detectors	LAHMANN, R.
10:00 AM	[M9] Fiber optic hydrophones in an acoustic neutrino telescope	BUIS, Ernst-Jan
10:20 AM	[M7] Analog and Digital Signal Processing for Pressure Source Imaging induced by a 20 MeV Proton Beam	ARTURO VALLICELLI, Elia
10:40 AM	[M1] A surface radio array for the enhancement of IceTop and its science prospects	BALAGOPAL V., Aswathi

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

-Conveners: Olaf Scholten

time	[id] title	presenter
11:30 AM	[M5] Towards real-time cosmic-ray identification with the LOW Frequency ARay	HÖRANDEL, Jörg
11:50 AM	[M0] Expansion of the LOFAR Radboud Air Shower Array and Updated Calibration of the LOFAR Antennas	Dr MULREY, Katharine
12:10 PM	[P9] A New Concept for High-Elevation Radio Detection of Tau Neutrinos	Prof. WISSEL, Stephanie
12:30 PM	[P5] Radio Phased Arrays for the Detection of Ultra-High Energy Neutrinos	OBERLA, eric

### Future and perspectives: Radio detection 2 (2:20 PM - 3:20 PM)

-Conveners: Nikolay Budnev

time	[id] title	presenter
2:20 PM	[M6] Keeping an ear to the ground for EeV neutrinos	TRZASKA, Wladyslaw Henryk
2:40 PM	[M1] Properties of the Lunar Detection Mode for ZeV Scale Particles with LOFAR	WINCHEN, Tobias
3:00 PM	[M8] Preparations for radio air-shower studies with the Murchison Widefield Array	BRAY, Justin