IceCube-Gen2 Calibration Workshop

Thursday 08 April 2021

Radio: Session 1 (08:00-09:36)

-Conveners: Allan Hallgren

time	[id] title	presenter
08:00	[15] Introduction to In-Ice Neutrino Radio-detection Calibration	HALLGREN, Allan
08:05	[26] In-situ calibration and anechoic chamber measurement for radio antenna development [Time: 13+4]	KIM, Myoungchul
08:22	[28] On unexplained features in ARA and other data, ice properties and goals [Time: 13+4]	BESSON, David
08:39	[29] Plans for radio transmitters in distant holes in the Gen2 radio array [Time: 13+4]	BESSON, David
08:56	[23] Passive sources of radio calibration [Time: 8+0]	DEACONU, Cosmin
09:04	[30] IceCube-Gen2 Radio Array Surface Calibration: Opportunities from Unique Transmitter and Receiver Systems [Time: 8+4]	Mr HANSON, Jordan
09:16	[31] Finite Difference Time-Domain Methods for Askaryan Propagation Modeling in IceCube-Gen2 [Time: 8+0]	Mr JORDAN, Hanson
09:24	[24] Advanced Propagation: Greenland FDTD Case Study and the Potential for Parabolic Equation Modeling [Time: 8+4]	DEACONU, Cosmin

Radio: Session 2 (10:05-11:35)

-Conveners: Allan Hallgren

time	[id] title	presenter
10:05	[25] Calibrating In-Ice Antennas: Lessons Learned from ARA [Time: 13+4]	HUGHES, Kaeli
10:22	[8] In-situ calibration device for the measurement of the snow accumulation and the index-of-refraction profile [Time: 10+3]	BEISE, Jakob GLASER, Christian
10:35	[32] Lessons learned from the calibration of ARIANNA surface station [Time: 10+3]	BARWICK, Steve
10:48	[17] Calibration procedure for the hardware of RNO-G [Time: 10+3]	CATALDO, Maddalena
11:01	[5] Simulation of radio signals from air showers measured by in-ice radio antennas [Time: 10+3]	DE KOCKERE, Simon
11:14	[21] Lessons learnt from radio detection of air showers [Time: 10+3]	GLASER, Christian