

DUNE Module of Opportunity Workshop

Wednesday 02 November 2022

R&D Sessions: R&D I (16:30-18:00)

-Conveners: Michele Weber

time	[id] title	presenter
16:30	[15] LArPix (REMOTE)	DWYER, Dan
17:00	[16] Q-Pix charge readout design and prototyping	ASAADI, Jonathan
17:30	[48] Reducing Electronic Noise in a Pixel-based LArTPC with a Pulsed-power Analog Front End	SHUTT, Thomas

Thursday 03 November 2022

R&D Sessions: R&D II (14:30-16:00)

-Conveners: Roxanne Guenette

time	[id] title	presenter
14:30	[24] Low-radioactivity underground argon production chain: the Darkside experience	BONIVENTO, Walter
15:00	[25] SloMo R&D	JACKSON, Christopher
15:30	[49] External Radiological Backgrounds for the DUNE Experiment at Sanford Lab (REMOTE)	REICHENBACHER, Juergen

R&D Sessions: R&D III (16:30-18:00)

-Conveners: Flavio Cavanna

time	[id] title	presenter
16:30	[27] ARAPUCA developments	MACHADO, Ana
17:00	[28] Metalenses to increase light collection	MARTIN-ALBO, Justo
17:30	[29] Q-Pix light readout design, simulation and prototyping	GRAMELLINI, Elena

Friday 04 November 2022

R&D Sessions: R&D IV (11:30-13:00)

-Conveners: Ana Machado

time	[id] title	presenter
11:30	[34] Technical developments towards Theia: a large-scale hybrid Cherenkov/scintillation detector	OREBI GANN, Gabriel
12:00	[33] Water-based liquid scintillator developments	SVOBODA, Robert
12:30	[35] Spectral photon sorting for neutrino detectors	KLEIN, Josh

R&D Sessions: R&D V (14:30-16:30)

-Conveners: Josh Klein

time	[id] title	presenter
14:30	[26] 4D LArTPCs: combined charge and light readout	PARSA, Saba
15:00	[17] Optical readout of the ARIADNE LArTPC using a Timepix3-based camera	MAVROKORIDIS, Konstantinos
15:30	[50] Cryogenic Resistive-WELL gaseous multiplier: towards a stable charge sensor in dual-phase TPCs	TESI, Andrea
16:00	[51] Laser Wakefield Acceleration for Calibration Test Beam at DUNE FD (REMOTE)	MOONEY, Michael