



# New Perspectives 2021

## Wednesday, 18 August 2021

### Wednesday (09:00 - 10:15)

time	[id] title	presenter
09:00	[69] SBND in 10 Minutes	NUNES, Monica
09:15	[16] Identifying intimate cosmic tracks and exiting neutrino tracks in the SBND experiment using PMT and CRT information	Mr MEDDAGE, Varuna
09:30	[55] Vertex Reconstruction Improvements in SBND	LAY, Henry
09:45	[36] Status of the SBN FD Cosmic Ray Tagging system	HEGGESTUEN, Anna
10:00	[52] Prospects of neutrino cross-section measurements and electron neutrino selection with the NuMI off-axis beam at ICARUS	MORENO, Guadalupe

### Wednesday (10:30 - 11:50)

time	[id] title	presenter
10:30	[57] CMS in 10 minutes	DIPETRILLO, Karri
10:45	[60] The Z boson production in association with at least two b jets in pp collisions at 13 TeV: signal versus background	YOUNG, Peter
11:00	[44] Thermal Runaway Studies for the CMS TFPX Phase-II Upgrade	SOUHRADA, Kevin
11:15	[24] Observation of the WWW production in p-p collision at $\sqrt{s} = 13$ TeV with the ATLAS detector	Dr BHOPATKAR, Vallary
11:30	[43] Building a research curriculum for students to learn essential research skills	ZHANG, Yuanyuan

### Wednesday (12:30 - 13:30)

time	[id] title	presenter
12:30	[34] Detecting New Physics as Novelty	LI, Ying-Ying
12:45	[54] Challenging Black Box Paradigms at the Nexus of Top Quark Physics and Artificial Intelligence	CHEN, Thomas
13:00	[1] Translating Analyses Into Prototype Analysis Systems	CRUZ, Brian
13:15	[41] A Precision Measurement of the $B_L \rightarrow 3\pi^0$ Dalitz Decay Branching Ratio	FARRINGTON, Michael

### Wednesday (14:00 - 15:15)

time	[id] title	presenter
14:00	[63] An Introduction to the Dark Energy Survey	MYLES, Justin
14:15	[40] Heat Management Solutions in the CubeSat	OLESON, Brody
14:30	[48] Measurement of the Sivvers asymmetry at SpinQuest experiment	LEUNG, Ching Him

14:45	[32] Transverse single spin asymmetry in $J/\psi$ Production in $p\vec{p}$ interactions at SpinQuest	HOSSAIN, Md Forhad
15:00	[22] FPGA Trigger for SpinQuest experiment	LAVRUKHIN, Ievgen