

Developing New Directions in Fundamental Physics (DND) 2020

Thursday, 5 November 2020

WG: New ideas to probe fundamental physics with nucleons and molecules (EDMs, precision measurements, etc.): Parallel Session (09:00 - 13:00)

-Conveners: Adam Ritz; Beatrice Franke

time	[id] title	presenter
09:00	[42] Introduction	RITZ, Adam
09:10	[43] EDMs and molecules: state of the art and prospects for rapid improvements in hadronic and leptonic CP violation	Prof. DEMILLE, Dave
09:45	[41] Assembling and disassembling molecules for quantum science and precision measurement	Dr CAIRNCROSS, Will
10:05	[48] Probing Physics Beyond the Standard Model with the JILA eEDM Experiment	NG, Kia Boon
10:25	[44] Discussion	
10:55	Health break	
11:20	[45] Extending the reach of fundamental symmetries research with beta decay and measurements with polarized ultracold neutrons	Prof. YOUNG, Albert
11:55	[46] Probing for BSM physics through Precision Measurements of the Neutron Lifetime and the Neutron Electric Dipole Moment	Prof. LIU, Chen-Yu
12:30	[47] Discussion	

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WG: New ideas to probe fundamental physics with nucleons and molecules (EDMs, precision measurements, etc.):**Summary and Outlook (09:00 - 09:30)**

time	[id] title	presenter
09:00	[31] Summary and Outlook	Dr RITZ, Adam Dr FRANKE, Beatrice
09:20	Discussion	