Rare Processes and Precision Frontier Townhall Meeting

Friday, 2 October 2020

RF3: Fundamental Physics in Small Experiments (12:50 - 16:50)

time	[id] title	presenter
12:50	[27] Test of the Standard Model and Search for Physics Beyond□ Opportunities for Fundamental Physics using Small-scale Storage Ring Experiments	RATHMANN, Frank
12:58	[28] The Proton Storage Ring EDM Experiment (srEDM)	MORSE, William
13:06	[29] Potential storage ring and Muon Campus experiments	CRNKOVIC, Jason
13:14	[30] Upgraded Low-Energy Muon Facility at Fermilab	JOHNSTONE, Carol
13:36	[42] Study of pion and η decays	HUSEK, Tomas
13:44	[25] Using lattice QCD for the hadronic contributions to the muon $g-2$	GOTTLIEB, Steven
13:52	[7] Hadronic contributions to the anomalous magnetic moment of the muon	LEHNER, Christoph
14:00	[41] Opportunities and New Physics Implications for $(g-2)e,\mu$	SAAD, Shaikh
14:18	[26] Calculations of nucleon electric dipole moments on a lattice with chiral fermions	IZUBUCHI, Taku
14:26	[31] Neutron beta decay in the test of the Unitarity of the CKM matrix	BAESSLER, Stefan BAESSLER, Stefan
14:34	[39] Strong CP and Neutrino Masses: A Common Origin of Two Small Scales	LIU, Da
14:50	break	
15:10	[33] Lorentz and CPT Tests with Low-Energy Precision Experiments	LEHNERT, Ralf
15:18	[38] Searches for new sources of CP violation using molecules as quantum sensors	HUTZLER, Nick
15:26	[34] Atomic/nuclear clocks and precision spectroscopy measurements for dark matter and dark sector searches	SAFRONOVA, Marianna
15:34	[36] Probing fundamental physics with highly-coherent nuclear spins	TERRANO, William
15:52	[35] Optically levitated sensors for precision tests of fundamental physics and Doped Cryocrystals for Ultrasensitive EDM Measurements	GERACI, Andrew
16:05	[40] Dedicated Experiment Exploring Gravitational Effects on CP Violation	PALLADINO, Anthony
16:13	[32] Searches for Exotic Short-range Gravity and Weakly Coupled Spin-Dependent Interactions using Slow Neutrons	SNOW, W. M.
16:25	[37] Mechanical tests of the gravity-quantum interface	SUDHIR, Vivishek