

PANIC2021 Conference

Sunday, 5 September 2021

Tests of symmetries and conservation laws (13:00 - 18:00)

-Conveners: DMITRY BUDKER; Michael Doser; Antonio Pich

time	[id] title	presenter
13:00	[118] The muon to electron conversion process and the Mu2e experiment at Fermilab	DONATI, Simone
13:20	[140] Tau physics prospects at Belle II	KRAETZSCHMAR, Thomas
13:45	[269] Lepton-flavour violation in hadronic tau decays and μ - τ conversion in nuclei	MONSALVEZ POZO, Kevin
14:05	switch to EDM, g-2, QED tests	
14:10	[97] A new limit on the permanent electric dipole moment of the neutron	ZSIGMOND, Geza
14:35	[348] Improved bounds on heavy quark electric dipole moments	GISBERT, Hector
14:55	[361] BeamEDM - A beam experiment to search for the neutron electric dipole moment	FRATANGELO, Anastasio
15:15	[470] Overview and status of the PanEDM experiment at ILL	Dr KUCHLER, Florian
15:35	coffee break	
15:50	[210] Precision spectroscopy of RaF molecules for fundamental physics	UDRESCU, Silviu-Marian
16:15	[125] Short-distance constraints in hadronic-light-by-light for the muon $g-2$	Prof. BIJNENS, Johan
16:35	[159] LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions	HUANG, Shan
16:55	[367] Searching for time-varying nuclear electric dipole moments using precision magnetic resonance	SUSHKOV, Alex

Wednesday, 8 September 2021

Tests of symmetries and conservation laws (13:00 - 18:00)

-Conveners: DMITRY BUDKER; Antonio Pich; Michael Doser

time	[id] title	presenter
13:00	[450] Laser spectroscopy of antiprotonic and pionic helium atoms at CERN and PSI	HORI, Masaki
13:25	[456] Searches for exotic physics by comparing the fundamental properties of protons and antiprotons at BASE	LATACZ, Barbara Maria
13:50	[152] A new experimental approach to search for free neutron-antineutron oscillations based on coherent neutron and antineutron mirror reflection	Prof. NESVIZHEVSKY, Valery
14:10	[394] Experiments with mid-heavy antiprotonic atoms in AEGIS	KORNAKOV, Georgy
14:30	[451] ASACUSA antihydrogen program: current status and prospects	WOLZ, Tim
14:50	[372] Test of new operators of discrete symmetries with J-PET	KRZEMIENI, Wojciech
15:10	[416] Precision measurement of muonium hyperfine structure at J-PARC	TADA, Hiroki
15:30	coffee break	
15:45	[148] New measurement of the radiative decay $Ke3g$ at the NA62 experiment at CERN	Dr KOVAL, Michal
16:10	[304] Light hyperon physics at BESIII	ADLARSON, Patrik
16:35	[472] Testing Pauli Exclusion Principle for electrons at the LNGS underground laboratory	DE PAOLIS, Luca
16:55	[362] Proton decay amplitudes with physical chirally-symmetric quarks on a lattice	SYRITSYN, Sergey
17:15	[145] Search for lepton number and flavour violation in K^+ and π^0 decays	VOLPE, Roberta