



# PANIC2021 Conference

## Sunday, September 5, 2021

### Tests of symmetries and conservation laws (1:00 PM - 6:00 PM)

-Conveners: DMITRY BUDKER; Michael Doser; Antonio Pich

time	[id] title	presenter
1:00 PM	[118] The muon to electron conversion process and the Mu2e experiment at Fermilab	DONATI, Simone
1:20 PM	[140] Tau physics prospects at Belle II	KRAETZSCHMAR, Thomas
1:45 PM	[269] Lepton-flavour violation in hadronic tau decays and $\mu$ - $\tau$ conversion in nuclei	MONSALVEZ POZO, Kevin
2:05 PM	switch to EDM, g-2, QED tests	
2:10 PM	[97] A new limit on the permanent electric dipole moment of the neutron	ZSIGMOND, Geza
2:35 PM	[348] Improved bounds on heavy quark electric dipole moments	GISBERT, Hector
2:55 PM	[361] BeamEDM - A beam experiment to search for the neutron electric dipole moment	FRATANGELO, Anastasio
3:15 PM	[470] Overview and status of the PanEDM experiment at ILL	Dr KUCHLER, Florian
3:35 PM	coffee break	
3:50 PM	[210] Precision spectroscopy of RaF molecules for fundamental physics	UDRESCU, Silviu-Marian
4:15 PM	[125] Short-distance constraints in hadronic-light-by-light for the muon $g-2$	Prof. BIJNENS, Johan
4:35 PM	[159] LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions	HUANG, Shan
4:55 PM	[367] Searching for time-varying nuclear electric dipole moments using precision magnetic resonance	SUSHKOV, Alex

# Wednesday, September 8, 2021

## Tests of symmetries and conservation laws (1:00 PM - 6:00 PM)

-Conveners: DMITRY BUDKER; Antonio Pich; Michael Doser

time	[id] title	presenter
1:00 PM	[450] Laser spectroscopy of antiprotonic and pionic helium atoms at CERN and PSI	HORI, Masaki
1:25 PM	[456] Searches for exotic physics by comparing the fundamental properties of protons and antiprotons at BASE	LATACZ, Barbara Maria
1:50 PM	[152] A new experimental approach to search for free neutron-antineutron oscillations based on coherent neutron and antineutron mirror reflection	Prof. NESVIZHEVSKY, Valery
2:10 PM	[394] Experiments with mid-heavy antiprotonic atoms in AEGIS	KORNAKOV, Georgy
2:30 PM	[451] ASACUSA antihydrogen program: current status and prospects	WOLZ, Tim
2:50 PM	[372] Test of new operators of discrete symmetries with J-PET	KRZEMIENI, Wojciech
3:10 PM	[416] Precision measurement of muonium hyperfine structure at J-PARC	TADA, Hiroki
3:30 PM	coffee break	
3:45 PM	[148] New measurement of the radiative decay $Ke3g$ at the NA62 experiment at CERN	Dr KOVAL, Michal
4:10 PM	[304] Light hyperon physics at BESIII	ADLARSON, Patrik
4:35 PM	[472] Testing Pauli Exclusion Principle for electrons at the LNGS underground laboratory	DE PAOLIS, Luca
4:55 PM	[362] Proton decay amplitudes with physical chirally-symmetric quarks on a lattice	SYRITSYN, Sergey
5:15 PM	[145] Search for lepton number and flavour violation in $K^+$ and $\pi^0$ decays	VOLPE, Roberta