

Young researchers' day

Friday 16 September 2022

six minutes talks: Part 1 - H8 (08:45-10:15)

-Conveners: Camille Bonvin

time	[id] title	presenter
08:45	[38] Intro	
09:00	[7] Laser ARPES measurements of Sr ₂ RuO ₄ under uniaxial strain	HUNTER, Andrew
09:08	[14] Effects of disorder in quasi-1D superconductors	MORPURGO, Giacomo
09:16	[4] Deep Learning Measurements of Non-Fiducial Cosmic Ray Electrons in the DAMPE Experiment	PUTTI-GARCIA, Enzo
09:24	[26] Robustness of different electoral systems to external attacks	GIVI, Glory Mary
09:32	[23] ATLAS TDAQ system: How to pick potentially interesting events out of $4 \cdot 10^7$ proton-proton collisions per second?	THEINER, Ondrej
09:40	[2] Measuring Gamma-Ray Burst Polarization with the POLAR-2 mission	DE ANGELIS, Nicolas
09:48	[13] Proton and Helium flux measurements at TeV-PeV energies at the DAMPE experiment	KOTENKO, Andrii
09:56	[12] Ionic gating with Li-ion conductive glass ceramics	MELEGARI, Margherita
10:04	[28] Network topology optimization of high-voltage power grids	VAN WALSTIJN, Koen

six minutes talks: Part 2 - H8 (10:45-12:00)

-Conveners: Federico Sanchez

time	[id] title	presenter
10:45	[3] Conditional Born machine for Monte Carlo events generation	KISS, Oriel
10:53	[16] Ferroelectricity: From the PlayStation 2 to a Rewriteable Future	BULANADI, Ralph
11:01	[22] How time is distorted by galaxies	SOBRAL BLANCO, Daniel
11:09	[5] Rare-earth ion-doped crystals as quantum memories	SANCHEZ MEJIA, Théo Norbert Julio CHEN, JingJing
11:17	[21] Enhanced light detection with an optical gaseous TPC	AMARINEI, Robert Mihai
11:25	[9] Forecasting the detection capabilities of third-generation gravitational-wave detectors using GWFAST	IACOVELLI, Francesco
11:33	[27] An upgraded preshower detector for the FASER experiment at the LHC	MAGLIOCCA, Chiara
11:41	[11] Heavy Nuclei fluxes measurement from AMS data	ROBYN, Erwan

six minutes talks: Part 3 - H8 (13:15-14:45)

-Conveners: Anna Sfyrta

time	[id] title	presenter
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13:15	[6] Improving Phosphorus Magnetic Resonance Spectroscopy with Compress Sensing Acceleration, Low Rank Reconstruction Model, and Artificial Intelligence	SONGEON, Julien
13:23	[24] High-Speed Integrated Quantum Key Distribution	SAX, Rebecka
13:31	[25] Scintillating Fiber Timing Detector	DEMETS, Yannick
13:39	[15] High-dimensional Quantum Steering in Networks	EGELHAAF, Sophie
13:47	[20] Dual Anode SPADs for High Speed Applications	DE MATOS AFONSO PEREIRA, Maria Ana
13:55	[10] Resonant Inelastic X-ray Study of electron-exciton coupling in cuprates	BARANTANI, Francesco
14:03	[35] Quantum Transport without equations	FERREIRA, João
14:11	[18] Frequency Dynamics of Power Grids	Mr FRITZSCH, Julian
14:19	[8] Investigating the properties of High Temperature Cuprate Superconductors by Scanning Tunneling Microscopy	Mr SINGAR, Tejas Parasram
14:27	[19] Cosmic Ray Helium Flux Measurement with the DAMPE Detector	RUINA, Arshia