

International Conference on Exotic Atoms and Related Topics and conference on Low Energy Antiprotons (EXA/LEAP 2024)

Tuesday 27 August 2024

Parallel I: Parallel A - Sitzungssaal (14:00 - 17:20)

time	[id] title	presenter
14:00	[29] Towards Lamb shift spectroscopy of antihydrogen atoms at the GBAR beam line	TANAKA, T. A.
14:25	[54] Towards a direct hydrogen-antihydrogen comparison	JONES, Steve
14:50	[76] Synthesis of highly charged nuclear fragments in a Penning-Malmberg trap using antiprotons	PARNEFJORD GUSTAFSSON, Fredrik Olof Andre
15:15	[60] Positronium Doppler laser cooling: results and perspectives	CAMPER, Antoine
15:40	Pause	
16:05	[1] Design and characterisation of an antiproton deceleration beamline for the PUMA experiment	FISCHER, Jonas Ludwig
16:30	[8] Towards a transportable antiproton reservoir	SMORRA, Christian
16:55	[31] An antiproton trap system using a drift tube accelerator and energy degrader	Dr KURODA, Naofumi

Parallel I: Parallel B - Johannessaal (14:00 - 17:20)

time	[id] title	presenter
14:00	[12] Development of a Pressurized Helium Scintillating Calorimeter for AntiMatter Identification.	NOZZOLI, Francesco
14:25	[40] The neutron-antineutron oscillation and low-energy antinucleon-nucleus interactions	HIGUCHI, Takashi
14:50	[18] Chiral symmetry restoration deduced in precision spectroscopy of pionic atoms	Dr ITAHASHI, Kenta
15:15	[50] Spectroscopy of η' -mesic nuclei with $^{12}\text{C}(p,dp)$ reaction at GSI/FAIR	TANAKA, Yoshiki
15:40	Pause	
16:05	[11] Cosmic $\overline{\text{d}}$ and $\overline{\text{He}}$: production mechanisms and latest constraints from ALICE at the LHC	MALFATTORE, Giovanni
16:30	[69] Formation of light (anti)deuteron from a coalescence afterburner	JACAZIO, Nicolo
16:55	[42] Hypernuclei Production through Antiprotonic Atoms	SCHLAICH, Moritz

Thursday 29 August 2024**Parallel I: Parallel A - Sitzungssaal (14:00 - 17:20)**

time	[id] title	presenter
14:00	[57] Calculation of integration and disintegration processes of antihydrogen positive ions in collisions with positronium	YAMASHITA, Takuma
14:25	[7] The LSym experiment: a CPT symmetry test in the leptonic sector	PASINETTI, Maria
14:50	[17] Λ NN input to neutron stars from hypernuclear data	Prof. FRIEDMAN, Eliahu
15:15	[13] High-Resolution Spectroscopy of Muonic Lithium - First Steps and Prospects of the QUARTET Experiment	VON SCHOELER, Katharina
15:40	Pause	
16:05	[41] First measurement of X-rays from resonance states of muonic deuterium molecule using a cryogenic detector	Dr TOYAMA, Yuichi
16:30	[44] Perspectives of testing discrete symmetries and quantum entanglement in decays of positronium with the total-body J-PET scanner.	Prof. MOSKAL, Pawel
16:55	[73] Laser spectroscopy of the ground-state hyperfine splitting in muonic hydrogen	AFFOLTER, Lukas

Parallel I: Parallel B - Johannessaal (14:00 - 18:20)

time	[id] title	presenter
14:00	[128] Positron polarimetry with resonant microwave radiation	NEWSON, Donovan
14:25	[36] Antihydrogen annihilation detection: the ALPHA-g radial TPC	CAPRA, Andrea
14:50	[37] A New Technique to Measure the Axial and Transverse Energy of Trapped Antihydrogen Atoms during release from an Ioffe-Pritchard Magnetic Trap	HODGKINSON, Danielle Louise
15:15	[56] A Novel Low-Energy Ion Source: Production and Trapping of H ⁻ Ions for H/Hbar Comparison	MIRANDA SILVEIRA, Daniel
15:40	Pause	
16:05	[20] High-sensitivity searches for matter-antimatter conversions at the European Spallation Source	HOLL, Matthias
16:30	[77] Towards (anti)hydrogen fountains and interferometers with the HAICU project	FUJIWARA, Makoto
16:55	[25] Formation of hydrogen-like Highly Charged Ions using antiprotonic atoms as pathway systems	DOSER, Michael
17:20	[117] Discussion on Future Physics at the CERN-AD	D., T.B.