

Publications

Theoretical and Kinematic Solution of High Reconfigurable Grasping for Industrial Manufacturing, Fei Chen, Ferdinando Cannella, Carlo Canali, Amit Eytan, Aldo Bottero and Darwin Caldwell, in IEEE International Conference on Robotics and Biomimetics, 2013. Robio2013. IEEE, 2013, pp. 734-739.

Design of an Industrial Robotic Gripper for Precise Twisting and Positioning in High-Speed Assembly, Ferdinando Cannella, Fei Chen, Carlo Canali, Amit Eytan, Aldo Bottero and Darwin Caldwell, in IEEE/SICE International Symposium on System Integration, 2013. SII2013. IEEE, 2013, pp. 443-448.

Particle tracking at 4 K: The Fast Annihilation Cryogenic Tracking (FACT) detector for the AEGIS antimatter gravity experiment J. Storey, C. Canali, et al. Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment 732 (2013) 437-441

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Off-axial plasma displacement suitable for antihydrogen production in AEGIS experiment C. Canali, C. Carraro, D. Krasnicky, V. Lagomarsino, L. Di Noto, G. Testera and S. Zavatarelli Eur. Phys. J. D 65, 499–504 (2011)

Particle manipulation techniques in AEGIS C. Canali, C. Carraro, L. Di Noto, D. Krasnicky, V. Lagomarsino, G. Testera, S. Zavatarelli Hyperfine Interactions 04/2012; 199(1):49-57. DOI:10.1007/s10751-011-0300-1

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Positron plasma control techniques for the production of cold antihydrogen

ATHENA Collaboration

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Storage of an electron plasma in a sextupole radial anti-hydrogen trap.

M. Amoretti, C. Canali, C. Carraro, M. Doser, V. Lagomarsino, G. Manuzio,
G. Testera, S. Zavatarelli

Physics Letters A 360 (2006) 141–148

Search for laser-induced formation of antihydrogen atoms.

ATHENA Collaboration. 2006. 4pp.

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Sideband cooling of ions in a non-neutral buffer gas

ATHENA Collaboration

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Amoretti, M.; Canali, C.; Carraro, C.; Lagomarsino, V.; Odino, A.; Testera, G. Zavatarelli, S.

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ATHENA Collaboration

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Conferences

Particle tracking at 4K: The Fast Annihilation Cryogenic Tracking (FACT) detector for the AEGIS antimatter gravity experiment

13th Vienna Conference on Instrumentation 11-15 February 2013

Measuring g with a beam of antihydrogen (AEgIS)

Rencontres de Moriond and GPhyS Colloquium

La Thuile, 20 - 27 March 2011

Particle manipulation techniques in AEGIS (Antimatter Experiment: Gravity Interferometry Spectroscopy)

TCP2010 April 12-16, 2010 Tunturhotelli in Saariselkä, Finland

THE AEGIS EXPERIMENT

International Conference on Advanced Technology and Particle Physics, Como (2009)

DPG-Conference Hamburg 2.-6. März 2009

Proposed gravity measurement with antihydrogen