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+ S. Gninenko, private communication.



























































































PRL 94, 121301 (2005) PHYSICAL REVIEW LETTERS week ending 1 APRIL 2005 First Results from the CERN Axion Solar Telescope K. Zioutas,⁸ S. Andrianonje,⁷ V. Arou,^{13,4} S. Aune,² D. Autiern,¹⁴ F. T. Avignone,² K. Barth,¹ A. Belov,¹¹ B. Belträn,⁶ H. Brunninger,⁷ J. M. Carmon,⁸ S. Cebrian,⁸ E. Chesi, J. J. Collar, ⁷ R. Cresvick,² T. Datia,⁴ M. Davenport,¹ L. D. Lella,^{16,1} C. Enterbrank, J. L. Englauser, ²⁶ C. Fonorakis,⁴ H. Franch,¹ D. Franz,¹⁰ P. Friedrich,² T. Genila,⁹ I. Giomatrix,² S. Gainenko,¹¹ N. Gloubev,¹¹ M. D. Hainoff,¹² F.H. Heinsin,¹⁰ D. H. H. Hoffman,⁴ C. Lasseut,⁴ A. Lindos,⁸ A. Ljubbiki,⁵ G. Luzt,⁴ G. Luzrón,⁶ D. W. Miller,⁷ A. Morales,⁶⁴ J. Morales,⁶ M. Mutterer,⁴ A. Nikolaidis,⁸ A. Orite,⁴ T. Pipejac,¹⁰ G. Luzt,⁴¹ G. Laron,⁶ D. W. Miller,⁷ A. Morales,⁶⁴ J. Morales,⁶ M. Mutterer,⁴ A. Nikolaidis,⁸ A. Orite,⁴ T. Pipejac,¹⁰ G. Luzt,⁴¹ G. Laron,⁶ D. W. Miller,⁷ A. Morales,⁶⁴ J. Morales,⁶ M. Mutterer,⁴ A. Nikolaidis,⁸ A. Orite,⁴⁷ T. Pipejac,¹⁰ G. Luzt,⁴⁴ G. Laron,⁶ D. W. Miller,⁷ J. Morales,⁶⁴ J. Morales,⁶⁴ M. Mutterer,⁴ D. Stevent,¹⁴ S. Event,¹⁴ J. L. Vistra,⁴ J. L. Wakkers,⁴ and K. Zachariadou⁶ L. Wakkers,⁴ and K. Zachariadou⁷ The CAST Collaboration ¹Durpha. Centre of Embets Nucleirating Science, CERN, Grav. Formar ²Durpha. Centre of Embets Nucleirating Science, Switzerland ²DurPha. Centre of Embets Nucleirating Science, Switzerland ²Durpha. Centre of Embets Anchrosophilic Science, Switzerland ²Durpha. Centre of Embets Anchrosophilic Science, Switzerland ²Durpha. Centre of Embets and Anneoneone, University of South Canadia, Colonbia, South Canadia, USA

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Cold thin Windows

- Observation: "Dark spots" on the windows
- Condensation of water from residual vacuum (outgasing) of the "warm" side
 - Vacuum better controlled (pumped)
 - Periodic bake out of windows

























































































