

Alternative Cosmology Group Newsletter - April 2006

Posted April 18, 2006

In this month's newsletter, there are three reports of laboratory experiments, which, if confirmed, would have major implications for astrophysics—as well as the rest of physics!

Gravitational-magnetic effect

M. Tajmar, et al., "Experimental Detection of the Gravitomagnetic London Moment," posted to arXiv.org: <http://xxx.lanl.gov/pdf/gr-qc/0603033>.

Optical rotation of a vacuum

E. Zavattini, et al., "Experimental observation of optical rotation generated in vacuum by a magnetic field," posted to arXiv.org: <http://xxx.lanl.gov/pdf/hep-ex/0507107>.

Observation of ether drift

E. Navia, R. A. Augusto, "Amplified Doppler shift observed in diffraction images as function of the COBE "ether drift" direction," posted to arXiv.org: <http://xxx.lanl.gov/pdf/astro-ph/0604145>.

Also,

WMAP non-Gausiannity in 3-year maps

Y. Wiaux, et al., "Global universe anisotropy probed by the alignment of structures in the cosmic microwave background," posted to arXiv.org: <http://xxx.lanl.gov/pdf/astro-ph/0603367>.

Helical filaments at Galactic Center

M. Morris, K. Uchida and T. Do, "A magnetic torsional wave near the Galactic Centre traced by a 'double helix' nebula," Nature, Vol. 44, (16 March 2006).