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The Chiral Magnetic Effect and its Role in Astrophysics and Cosmology

Wednesday 16 December 2015 16:55 (20 minutes)

We will present work on the chiral magnetic instability in the context of hot neutron stars and its possible role for magneto genesis in the early Universe. Whether a chiral asymmetry in the electron sector, induced for example by the electroweak interaction, leads to growing helical magnetic fields depends on many factors that will be discussed in this talk.

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