

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 16 March 2017

17:00 -18:00

3rd Floor Seminar Room

" Pulsars and Magnetars: facts and possible fiction "

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Abstract

Anomalous X-ray Pulsars (AXPs) and Soft Gamma-ray Repeaters (SGRs) are relatively young, isolated neutron stars, that are thought to have super-strong ($10^{14} - 10^{15}$ G) dipole magnetic fields and even larger internal toroidal magnetic fields. Thus, they were given the name Magnetars. I will examine if this is a fact or possible fiction. I will present an alternative picture and I will discuss what it will take to decide between the two pictures.