



ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ

ΤΜΗΜΑ ΦΥΣΙΚΗΣ

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 4 April 2013

17:00 -18:00

3rd Floor Seminar Room

**“The Gamma-Ray Perspective of the Mystery of the Origin
of Ultra-High Energy Cosmic Rays”**

Dr. Tonia Venters

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Abstract

High energy gamma rays are the messengers of the high energy processes in the universe. Gamma rays serve as proxies for particle acceleration in the most powerful astrophysical objects and for the fate of particles as they propagate through cosmological backgrounds. In this talk, I will discuss how the study of high energy gamma rays can shed light on the mysteries of the highest energy cosmic rays and the intergalactic magnetic field.