



ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ

ΤΜΗΜΑ ΦΥΣΙΚΗΣ

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 22 November 2012

17:00 -18:00

3rd Floor Seminar Room

Astrophysical Jets from "Hairy" Black Holes

Dr. Ioannis Contopoulos

Research Center for Astronomy and Applied Mathematics,
Academy of Athens

Abstract

Astrophysical jets are collimated plasma outflows observed in systems of all mass scales that far exceed the dimensions of their host. The current paradigm for the launching, acceleration, collimation, and radiation of relativistic jets involves the electromagnetic extraction of rotational energy from a spinning black hole and the accretion disk around it. We present recent theoretical and observational evidence that challenges the conventional black hole jet paradigm.