MONTANA STATE UNIVERSITY | College of LETTERS & SCIENCE

Physics Colloquium

Friday, January 19, 2018
4:10 – 5:00 PM
Barnard Hall (EPS) 103

Strong gravity and fundamental physics

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http://thomassotiriou.wixsite.com/challenginggr
http://inspirehep.net/search?ln=en&ln=en&p=find+a+sotiriou%2C+t&of=hb&action_search=Search&sf=earliestdate&so=d&rm=&rg=25&sc=0

Abstract:

Gravitational wave observations promise new insights into the previous unobserved dynamical, strong gravity regime of gravity. If new fundamental physics becomes manifest in this regime it will be imprinted on the structure and dynamics of strongly gravitating objects, such as black holes and neutron stars. I will discuss some of the opportunities and the challenges of trying to reveal or constraint fundamental physics with strongly gravitating systems.

Host: Nico Yunes

*** Refreshments served in the Barnard (EPS) second floor atrium at 3:45 ***