



## JOINT CCQC - CCTP SEMINAR

**Wednesday, 29 October 2014**

**11:00-12:00**

**2nd Floor Seminar Room**

**Black holes in N=8 supergravity**

*Dr David Chow*

CCTP, Crete Center for Theoretical Physics

### Abstract

I will discuss the construction of general rotating, non-extremal black holes of maximal N=8 supergravity in 4 dimensions. These are asymptotically flat, multi-charge, dyonic exact solutions that generalize the Kerr-Newman solution of Einstein-Maxwell theory. I will also discuss some properties and generalizations to gauged supergravity.

