

Seminar

Department of Physics

Monday November 13th, 2017

4:00 pm

Room 109 Essex Hall

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Title: The structure of black holes: from theory to observations

Black holes have a remarkably elegant mathematical structure as determined by the theory of general relativity. However, the reality of this structure can only be confirmed by observations. In this talk I will explain which kind of astrophysical observations (using both electromagnetic and gravitational waves) can be used to work towards this goal, and where the boundaries of our current knowledge are. The talk will start with a review of the relevant basic concepts; knowledge of the mathematics of black holes will not be presupposed.

ALL WELCOME