



Graduate Physics Seminar
Monday, 16 April 2012 from 4 PM
University of Nova Gorica
Vipavska 13, Rozna dolina, Nova Gorica
SP-1 Lecture room

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Black Hole Production in High Energy Collisions

Abstract

Just one year after Einstein published his gravitational field equations, Karl Schwarzschild provided the first exact solution of these equations corresponding to a black hole. The study of this object and its properties during creation and evaporation is one of the most interesting fields of physics. We will discuss general features of black holes as well as investigate the possibility that black holes are produced in high energy collisions, both at the LHC collider and in the collisions of ultra high energy cosmic rays with the Earth's atmosphere.