



Venerdì 20 Novembre 2015, ore 14:30, Aula Magna
(Istituto di Fisica, Via Giuria 1)

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The temperature of the Quark-Gluon Plasma

The theory of strong interactions predicts that at high temperatures strongly interacting matter will form a new state of matter, a plasma of unbound quarks and gluons. During the first ten microseconds after the Big Bang, our universe consisted of such a plasma, and present experiments at CERN and Brookhaven attempt to recreate this primordial state in the laboratory. I discuss how such studies can be carried out and consider in particular how the temperature of the plasma can be measured.