

Tomography of a quark gluon plasma, created in heavy ion collisions, by heavy mesons

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During a ultrarelativistic heavy ion collisions a plasma of quarks and gluons (QGP) may be created, a state of matter which may also be present in the center of neutron stars. The problem is to verify its existence because at the end only hadrons are present. We expose why heavy mesons may be a good tool to study the existence and the properties of the QGP and present the results we obtained in comparison with the experiments.

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