

e/m radiation from QGP with chromo-magnetic monopoles

Monday, 30 August 2010 14:40 (40 minutes)

We consider the radiation of photons from quarks scattering on color-magnetic monopoles in the Quark-Gluon Plasma. The calculation is performed in the classical, non-relativistic approximation and results are compared to photon emission from Coulomb scattering of quarks, known to provide a significant contribution to the photon emission rates from the QGP. The present study is a first step towards understanding whether this scattering process can give a sizable contribution to dilepton production in heavy-ion collisions.

Primary author: Prof. LUBLINSKY, Michael (University of Beer-Sheva)

Presenter: Prof. LUBLINSKY, Michael (University of Beer-Sheva)