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Electromagnetic probes from a hot magnetized quark gluon plasma

Strong magnetic fields play an important role in the physics of hot plasma. Most interestingly, they can trigger unusual charged-particle correlations in the observable data. However, the corresponding theoretical prediction is complicated by a large uncertainty in the magnetic field. In this talk, the recent calculations of closed-form expression for the one-loop photon polarization and the photon/dilepton emission from a hot magnetized plasma will be reported.

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