## 32nd International Symposium on Lattice Field Theory (Lattice 2014)



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## Effects of an external magnetic field on the QGP

Friday, 27 June 2014 18:10 (20 minutes)

We present results for the pressure of the quark-gluon plasma in the presence of a strong magnetic filed, calculated using a Taylor expansion in the field to 4th order. Our method does not require quantization of the magnetic filed and is computationally cheaper than calculations on ensembles generated with explicit magnetic fields.

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