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## **CANCELLED: Polarizability of pseudoscalar mesons from the lattice calculations**

*Tuesday, 30 August 2016 18:50 (20 minutes)*

We explore the ground state energy of pseudoscalar charged and neutral mesons as a function of external magnetic field in SU(3) lattice gauge theory. We calculate the dipole magnetic polarizabilities and hyperpolarizabilities of charged and neutral pseudoscalar pi and K mesons. It was found that the magnetic polarizability of charged pion agrees with the experimental prediction of COMPASS collaboration.

### **Summary**

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