



Contribution ID: 752

Type: **Poster**

Chiral kinetic theory with collisions and its applications to the spin polarization

Wednesday, 6 April 2022 18:58 (4 minutes)

We have derived the chiral kinetic theory (CKT) with collisions in a QED matter. We have discussed the global equilibrium conditions in the presence of collisions. Then, we implement the CKT with effective collision term in the moment expansion and derive the off-equilibrium corrections to the axial currents and spin polarization vector.

Primary authors: Mr FANG, Shuo; PU, Shi; YANG, Di-Lun (University of Crete)

Presenters: Mr FANG, Shuo; PU, Shi; YANG, Di-Lun (University of Crete)

Session Classification: Poster Session 2 T02

Track Classification: Chirality, vorticity and spin polarization