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Present and Future Studies of the Chiral Magnetic Effect at RHIC and the LHC.

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The Chiral Magnetic Effect (CME) is the generation of electric current induced by local chirality-imbalance in the presence of magnetic field. The heavy ion collisions provide an ideal environment for CME — as a hot quark-gluon plasma is created with chirality imbalance from gluons topologic fluctuations, and strong magnetic fields is generated in non head-on collisions. In this talk, I will review the current progress of experimental studies of CME and its related phenomena at both RHIC and the LHC. I will also discuss future plans and possibilities.