

# XQCD 2019 (The 17th International Conference on QCD in Extreme Conditions)



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## Lattice field theory with torsion

*Monday, 24 June 2019 17:00 (20 minutes)*

We formulate lattice field theory with dislocation. The dislocation realizes the spacetime torsion in the continuum limit. As the first application, we perform the numerical computation to analyze the generation of the current induced by the screw dislocation, which we call the “chiral torsional effect”.

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