Contribution ID: **42** Type: **Poster**

Guage-invariant Electroweak Interaction Parameters and Their oblique corrections in The B-LSSM

Friday, 2 June 2023 18:10 (5 minutes)

Using Pinch technique, we calculate the one-loop level vertices of weak interactions in the B-LSSM and add their Pinch contributions to the self energy of gauge bosons, whose gauge invariance is thereby guaranteed. Compared with low-energy effective Lagrangian of weak interaction, new Z' neutral current which appears in B-LSSM can not be well matched. Therefore, we add some terms to the effective Lagrangian to solve this trouble. Considering the limitations from the current experiments, parameters of the model should be confined.

Primary author: 崔, 生恺 (HeBei University)

Presenter: 崔, 生恺 (HeBei University)

Session Classification: Poster session and buffer dinner