A new method for amplitude with multi fermion line

Saturday, 15 May 2021 17:37 (13 minutes)

A new method for amplitude with multi fermion line is given. The new method is mainly focusing on simplifying the fermion line calculation, including the simplification of the spinor, Dirac matrices product and others. The comparison with other programs is given and the results show that the new method surely greatly improves the calculation speed and one can expect that the more final states, the better improvement.

Primary author: Mr ZHANG, Feng (IHEP)

Presenter: Mr ZHANG, Feng (IHEP)

Session Classification: Session 5