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Understanding the resolved photon in photon collider

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The construction of a photon collider is urged in order to study the properties of the Higgs boson and electroweak symmetry breaking. It has been claimed that the process $\gamma\gamma \rightarrow QQ(g)$ could be the major contribution for the background of Higgs production in photon collisions. However, there are also some papers that claim the contribution is not so strong, which means that the photons are interesting in themselves. This researches examines how well we understand resolved photons and their uncertainties.

Summary

photon PDF

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