

Abstract Submitted
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Measurement of direct photon pair production cross sections at D0 BJOERN PENNING, University of Science and Technology of China, D0 COLLABORATION — We present a measurement of differential cross sections of direct photon pair production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV as a function of di-photon mass, p_T , azimuthal angle, and polar angle using 4.2 fb^{-1} of the D0 Run II data. The results are compared with three theoretical predictions provided by RESBOS, DIPHOX and PYTHIA.

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