SCHEME FOR GAMMA-GAMMA COLLISIONS AT ILC

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Abstract

We consider a scheme for gamma-gamma collisions at ILC. In our scheme the electron beam from 5 GeV injector-Linacs, present in ILC scheme, used in FEL amplifier. The laser radiation from solid-state laser amplified in this FEL and directed to nearby IP point for further Compton back scattering. Two additional $\sim\!\!50$ m helical undulators and master laser system of intermediate power required for this scheme at ILC.

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