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Measurement of the top-quark mass in the continuum

A linear collider will provide a very precise top-quark mass measurement at the threshold. We propose to use the process $t\bar{t} + \text{photon}$ to measure the top-quark mass in the continuum. The MC study was performed at 500 GeV and also extrapolated to 380 GeV providing an estimation of the observable sensibility around 150 MeV. This method could be a good complementary measurement without requiring any change in the accelerator schedule.

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