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Performances of ultra granular ECAL for flavor physics at ILC

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The performances of a silicon tungsten electromagnetic calorimeter for flavour physics has been studied. The study uses a fast simulation, with a geometry of the detector taken from ILD. This fast simulation is based on timing algorithm for the photon reconstruction which is planed to be presented in another talk at LCWS. When possible, a 1-C fit of the π^0 mass is used. The paradigm about energy resolution for this physics is discussed, together with the Flavor physics at ILC.

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