

Top quark studies at 500 GeV

Wednesday, 25 April 2012 08:30 (40 minutes)

A study of top quark production at the future International Linear Collider with a centre-of-mass energy of 500 GeV has is presented. The emphasis is put on determining the sensitivity to physics beyond standard model. The analysis has been carried out with a full simulation of the ILD detector. The presentation introduces the top quark helicity as observable to increase the sensitivity to new physics at the Z/γ - $t\bar{t}$ vertex.

Presenters: VOS, Marcel (IFIC Valencia); POESCHL, Roman (LAL)

Session Classification: ACFA Physics