

# SEMPARIS – Séminaires en région parisienne

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## Séminaire de Physique des Particules du LPT

**Jeudi 23 Mars 2017, 16 :00**

LPT, Room 114, 1st floor, bldg 210

Domaines : hep-ph

Titre : *Constraints on the top-Higgs FCNC couplings at linear colliders using a generalized top spin analysis*

Orateur : **Monalisa Patra ( IRB Zagreb )**

Résumé : *The flavor changing couplings of the top quark with the Higgs Boson and the up/charm quark, through the production has been extensively studied in the LHC and limits obtained. The nature of these couplings can also be explored in the International Linear Collider, with the kinematics of the emitted from in production being sensitive to the chirality of the coupling. The nature of the couplings can also be studied through the construction of different top-spin observables in the context of generalised spin basis. Overall I will discuss in details the sensitivity of the ILC in obtaining a limit on these coupling, with its different choice of initial beam polarization.*

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