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Type: Oral Presentation

Search for the Higgs boson in fermionic channels using the ATLAS detector

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**Abstract content
 (Max 300 words)
Formatting &
Special chars**

Since the discovery of the Higgs boson by the ATLAS and CMS experiments at the LHC, the emphasis has shifted towards measurements of its properties. Of particular importance is the direct observation of the coupling of the Higgs boson to fermions. In this presentation a comprehensive review of ATLAS results in the search for the Higgs boson in tau, muon, and b-quark pairs will be given.

**Apply to be
 considered for a student
 award (Yes / No)?**

Yes

**Level for award
 (Hons, MSc,
 PhD)?**

PhD

**Main supervisor (name and email)
and his / her institution**

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**Would you like to
 submit a short paper
 for the Conference
 Pro-ceedings (Yes / No)?**

Yes

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