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Type: Poster Presentation

Search of anomalous Higgs to invisible decays with the ATLAS detector at CERN's Large Hadron Collider.

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

Decays of the recently found Higgs boson into non detectable invisible-particles would be a extraordinary sign of new physics. Direct searches such decays are performed by using sub-products created together with the Higgs boson. Data taken by the ATLAS detector at center of mass energies of 7 and 8 TeV is analysed and in the absence of evidence upper limits on the branching ratio to invisible decays are set and within Higgs-portal dark matter models, limits on the dark matter-nucleon cross sections are also calculated.

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

No

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

N/A

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

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

Yes

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