



**38th INTERNATIONAL CONFERENCE  
ON HIGH ENERGY PHYSICS**

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**Search for di-Higgs production with the ATLAS  
detector (15' + 5')**

*Friday 5 August 2016 11:50 (20 minutes)*

An enhanced production of two Higgs bosons would be a clear sign of beyond Standard Model physics. A search is performed for resonant and non-resonant excess production, including several decay channels of the two Higgs bosons. The analysis uses about 10 fb<sup>-1</sup> of p-p collisions at 13 TeV.

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**Session Classification:** Higgs Physics

**Track Classification:** Higgs Physics