



## 38th INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS

AUGUST 3 - 10, 2016  
CHICAGO

Contribution ID: 774

Type: **Oral Presentation**

# 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.

**Presenter:** VAROL, Tulin (Southern Methodist University (US))

**Session Classification:** Higgs Physics

**Track Classification:** Higgs Physics