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ON HIGH ENERGY PHYSICS**

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**Search for the SM Higgs boson in the $t\bar{t}H$ production
channel using the ATLAS detector. (12' + 3')**

Thursday 4 August 2016 12:20 (15 minutes)

The associated production of the Higgs boson with top quarks should allow the direct observation of the coupling of the Higgs boson to top quarks. The channel also benefits for a large cross-section increase between 8 and 13 TeV. ATLAS results in the search for the Higgs boson in the $t\bar{t}H$ production mode will be presented.

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