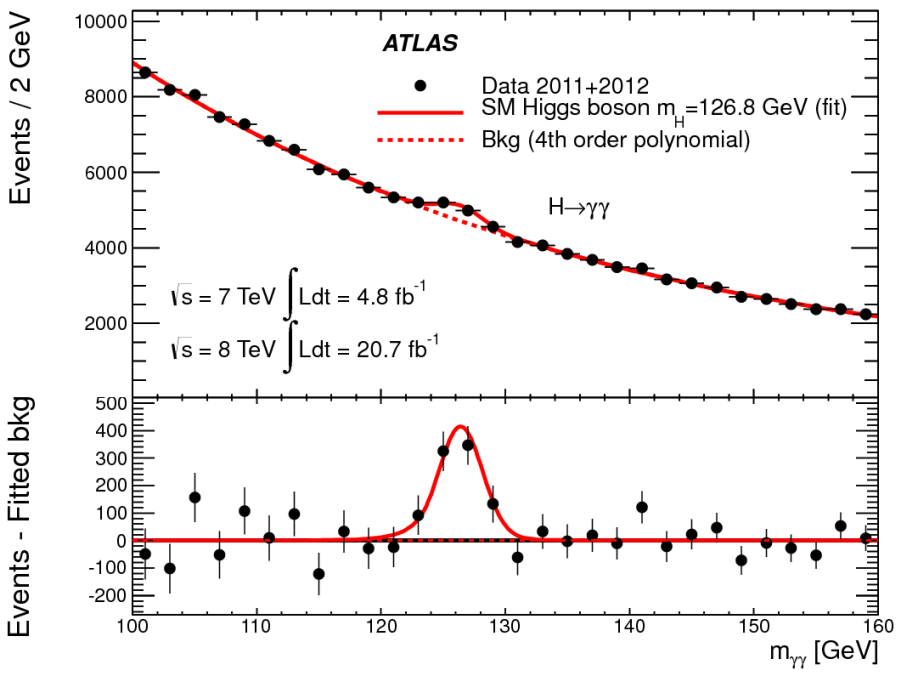
DESY
Physics Seminar

Study of Higgs boson properties in its decay to two photons with the ATLAS detector.

Kerstin Tackmann (DESY)

Tuesday, 08 April 2014
16:45 h, buildg. 2a / Sem. Room 2

The Standard Model has been extremely successful in describing a wide range of phenomena observed in collider experiments over the last decades. It would, however, be incomplete without a mechanism to break electroweak symmetry and to give masses to the gauge bosons and fermions. This is achieved by the Higgs mechanism, which predicts the existence of an additional scalar particle, the Higgs boson. A potential candidate for the Higgs boson has been found by the ATLAS and CMS experiments at the Large Hadron Collider in Geneva, Switzerland. I will describe the studies of the newly discovered particle in its diphoton decay channel at the ATLAS experiment.



Coffee, tea and cookies will be served at 16:30h

After the seminar there is a chance for private discussions with the speaker over wine and pretzels

Accelerators | Photon Science | Particle Physics

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