DESY
Physics Seminar

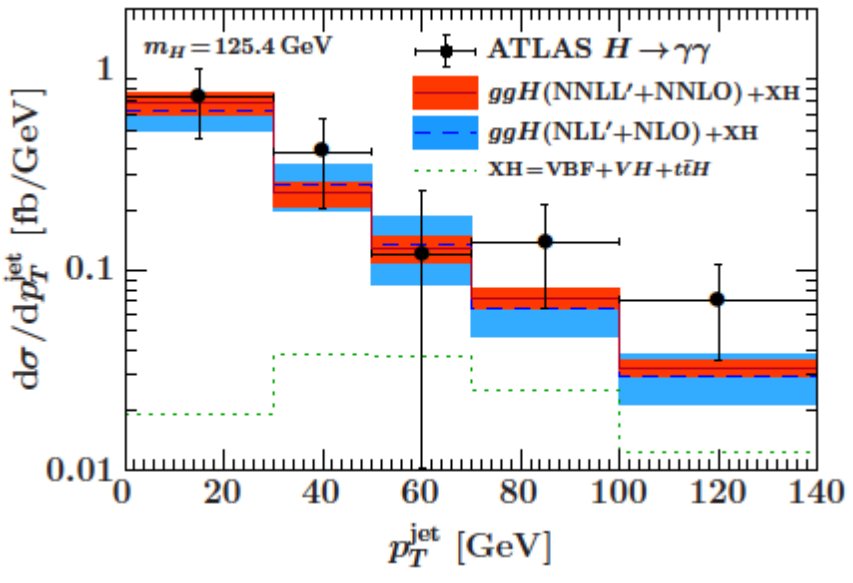
Understanding Jets with Effective Field Theories.

Frank Tackmann (DESY)

Tuesday, 24 February 2015
16:45 h, buildg. 1b, Sem.R. 4a/b

Please note special room!

Hadronic jets are ubiquitous at particle colliders. They originate from energetic quarks and gluons produced during a collision and thus provide a probe of the underlying hard interaction. Effective field theories provide a powerful tool to study jet processes which span distinct energy scales. I give an overview of the basic ideas behind the effective field theory description of jets. I then show several example applications: jets in e^+e^- colliders, Higgs production with jets at the LHC, and the size and inner structure of jets.



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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