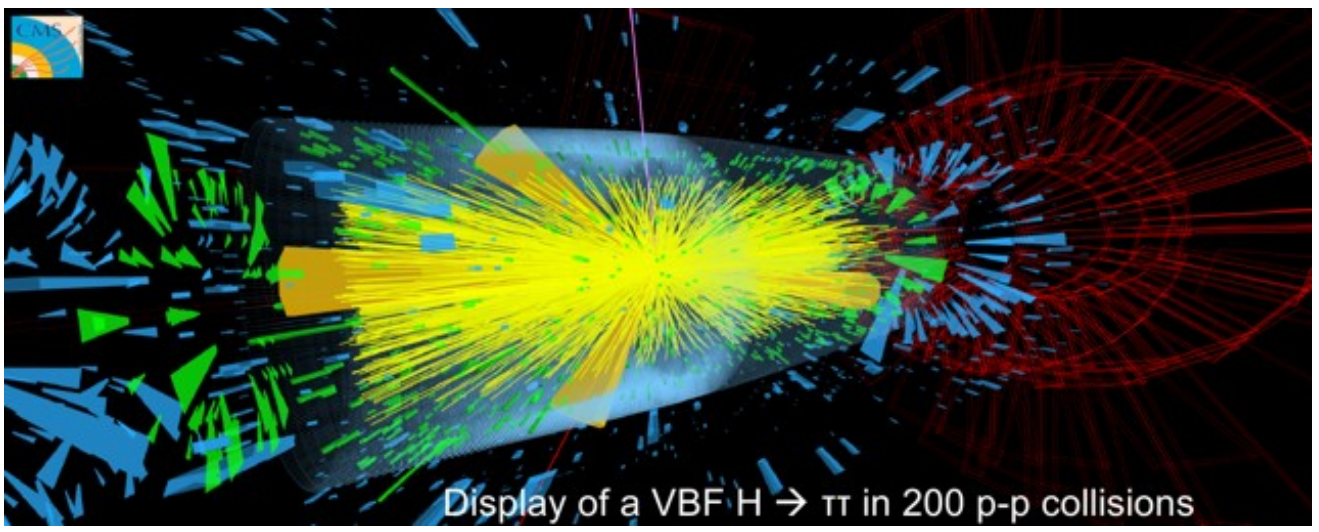
DESY
Physics Seminar

The Physics Program of the High Luminosity LHC.

Brian Petersen (CERN)

Tuesday, 14 March 2017, 16:45 h, DESY Auditorium



The LHC has successfully delivered more than 50 fb-1 of proton-proton collisions leading to the discovery of the Higgs Boson, extensive limits on beyond Standard Model physics models and a broad set of precision measurements. Major upgrades of both the LHC accelerator complex and the experimental detectors are planned over the next ten years. These will increase the recorded luminosity by almost two orders of magnitude. The seminar will present the physics case for the high luminosity LHC upgrade, the planned experimental upgrades of the ATLAS and CMS experiments and the physics reach which can be achieved after these upgrades.

- **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**