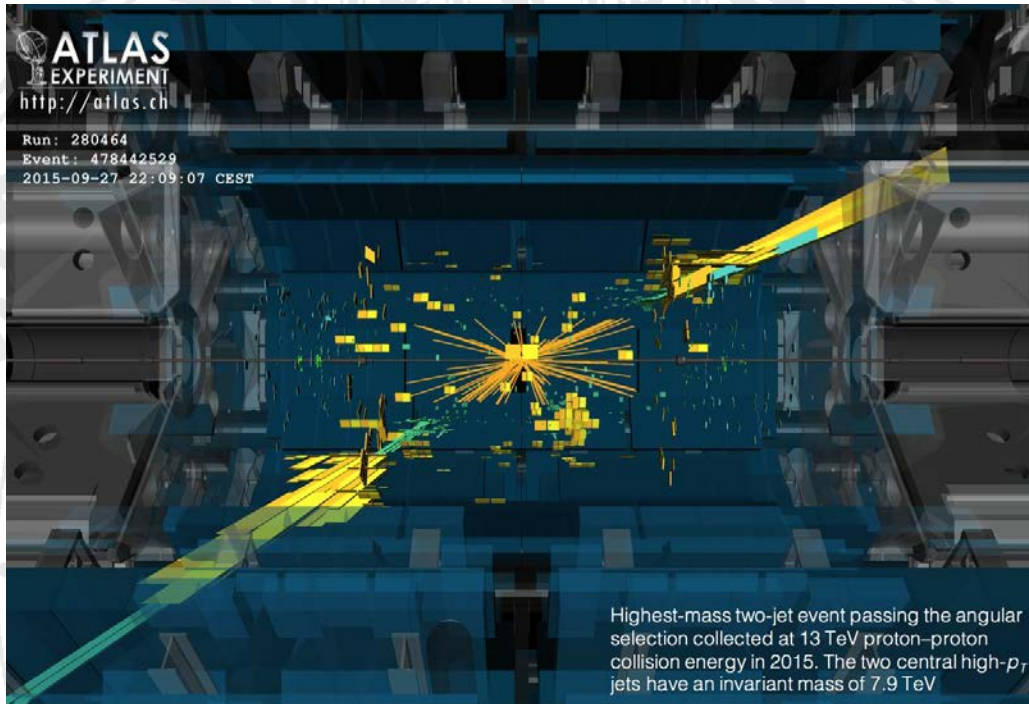


PHYSIKALISCHES KOLLOQUIUM

AM 4. JULI 2016 UM 17 UHR C.T.

IM GROßEN HÖRSAAL



PARTICLE PHYSICS AT THE DAWN OF A NEW HIGH-ENERGY FRONTIER

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After a two-year technical stop, CERN's Large Hadron Collider has begun data taking again in 2015, colliding protons with an unprecedented energy of 13 tera electron-volt (TeV). The high collision energy dramatically increases the sensitivity of the data to new physics that would involve yet unknown heavy states. It is also important to study known processes at this energy to verify and improve the knowledge of the Standard Model. This includes processes involving Higgs-boson production. The colloquium presents latest results from the LHC experiments with emphasis on 13 TeV studies.