DESY

Particle and Astroparticle Physics Colloquium



Electroweak Corrections for Multiboson Processes.

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For the accurate description of scattering processes at the LHC besides QCD corrections also electroweak corrections are indispensable. In high-energy tails of distributions they reach several tens of percent, and also for rather inclusive cross sections in multi-boson processes they exceed ten percent. In this talk I will review general aspects of electroweak corrections that are relevant for reliable theoretical predictions at LHC energies. I will in particular discuss the impact of electroweak corrections on multiboson processes like vector-boson scattering and triple vector-boson production.





