

PAUL SCHERRER INSTITUT



Particle Theory Seminar

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“Virtual corrections for NNLO W pair production at the
LHC”

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Abstract:

We present the result for the two-loop virtual QCD corrections to the W boson pair production in the quark–anti-quark-annihilation channel in the limit where all kinematical invariants are large compared to the mass of the W boson. Our result is exact up to terms suppressed by powers of the W boson mass.