common method

theory predictions

consistent (N)NLO

 $\alpha_s(M_Z)$ extraction procedure

direct χ² minimization

χ² definition

conventional χ²
(**log** data – **log** theory)
+ relative uncertainties

PDF and non-perturbative uncertainties

included in χ^2 definition

PDF set+ $\alpha_s(M_Z)$ dependence

additional uncertainty on $\alpha_s(M_Z)$