

# H1

# DØ

# CMS

NLO

approximate NNLO

NLO

direct  
 $\chi^2$  minimization

direct  
 $\chi^2$  minimization

“indirect”  
 $\chi^2$  minimization  
(fit of parabola to discrete  $\chi^2$  points)

conventional  $\chi^2$   
(**log data – log theory**)  
+ relative uncertainties

modified  $\chi^2$   
+ nuisance parameters

conventional  $\chi^2$   
(data – theory)  
+ absolute uncertainties

linear  
error propagation

nuisance parameters

- “ $\Delta\chi^2 = +1$ ”
- subtraction in quadrature
- “offset” method