

	H1	DØ	CMS
theory predictions	NLO	approximate NNLO	NLO
$\alpha_s(M_Z)$ extraction procedure	direct $\chi^2$ minimization	direct $\chi^2$ minimization	“indirect” $\chi^2$ minimization (fit of parabola to discrete $\chi^2$ points)
$\chi^2$ definition	conventional $\chi^2$ (log data – log theory) + relative uncertainties	modified $\chi^2$ + nuisance parameters	conventional $\chi^2$ (data – theory) + absolute uncertainties
uncertainty estimation	linear error propagation	nuisance parameters	<ul style="list-style-type: none"> <li>• “<math>\Delta\chi^2 = +1</math>”</li> <li>• subtraction in quadrature</li> <li>• “offset” method</li> </ul>