Determination of photon PDF from High Mass Drell Yan data at LHC

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abstract goes here: ...

CONTENTS		III. SETTINGS
I. Introduction	1	IV. RESULTS
		A. Sensitivity
II. Theory	1	show impact of HM DY on PDFs using sensitivity stud-
III. Settings	1	ies based on pseudo-data, for which we only use the data uncertainties, while central value are fixed: HERA I+II vs HERA I+II + HMDY -> see the sensitivity plots from the previous email
IV. Results	1	conclusion: HMDY data has a large impact on pho-
A. Sensitivity	1	tonPDF
B. Reweighting	1	B. Reweighting
C. Fits	1	
V. Conclusions References	1	proceed to reweighting of the global photon PDFs: $NNPDF3.0_nnlo_qed$ —> see the reweighting plots (select only the NNPDF3.0nnlo qed from the previous email) perhaps add a chi2 table for various global PDF sets on
References	1	the market to check the agreement between HMDY data and predictions: CT14qed, NNPDF3.0qed, LUXqed conclusion: HMDY can considerably reduce the uncer- tainties on photonPDF for global PDFs
		C. Fits
I. INTRODUCTION	1	-> extract PDFs using HMDY +HERA data? and plot it in comparison with global QED PDF sets (reweighetd)?
II. THEORY		
discuss theory improvements: addition of the QED+QCD piece	e NLO	V. CONCLUSIONS