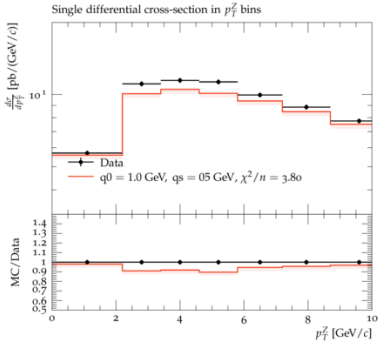
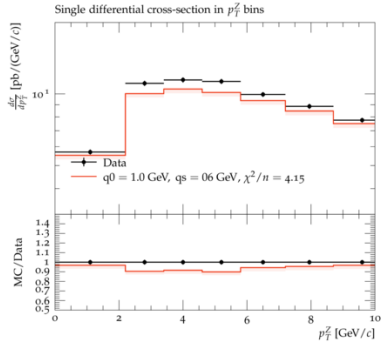
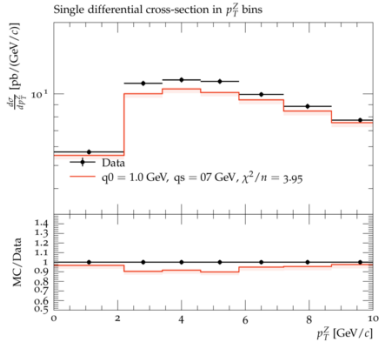
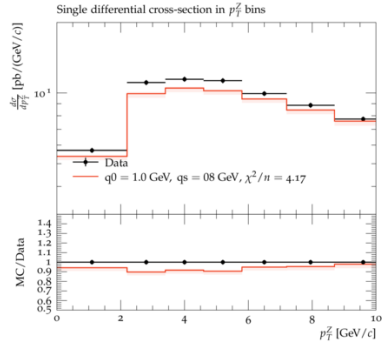
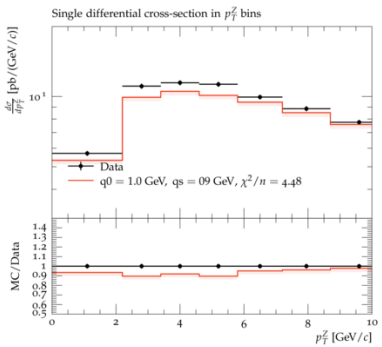
LHCb PBset2

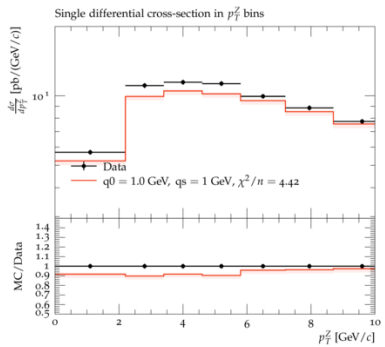


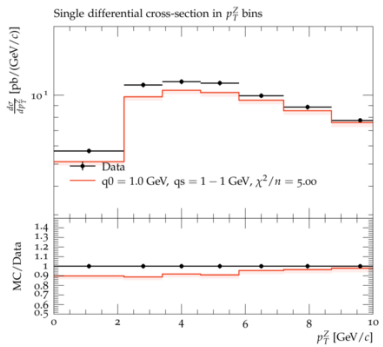


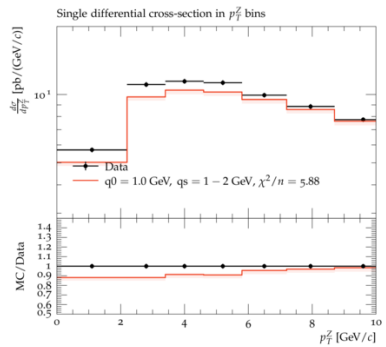








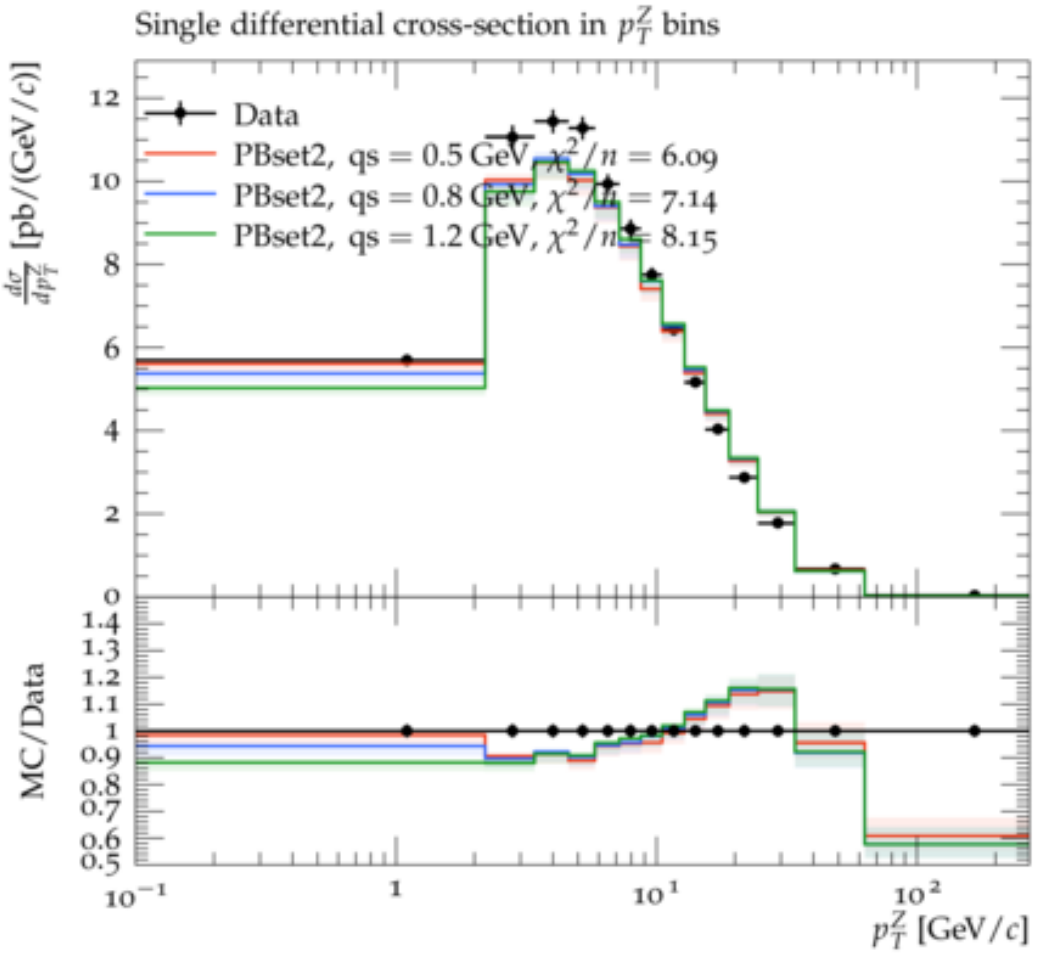




Issues:

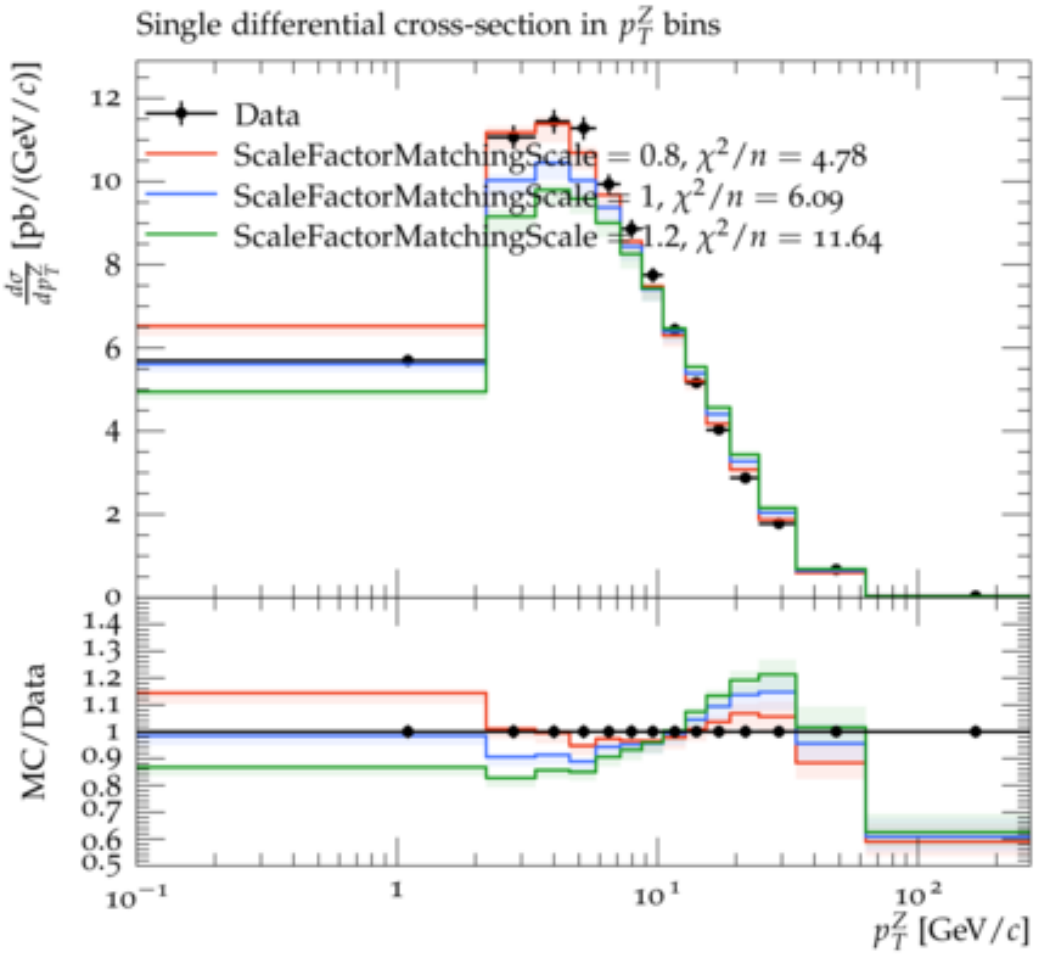
- 3 codes to calculate $\chi 2$, often give different results (correlated/uncorrelated uncertainties, do we allow the whole curve to be scaled up/down, ptcut)
- chi^2 vs q_s - not smooth curves → LHE files with bias function slightly better (improve high pt)
- ptcut: code of Louis very sensitive to change of nb of bins, chi2 very big for bigger nb of bins

Full range



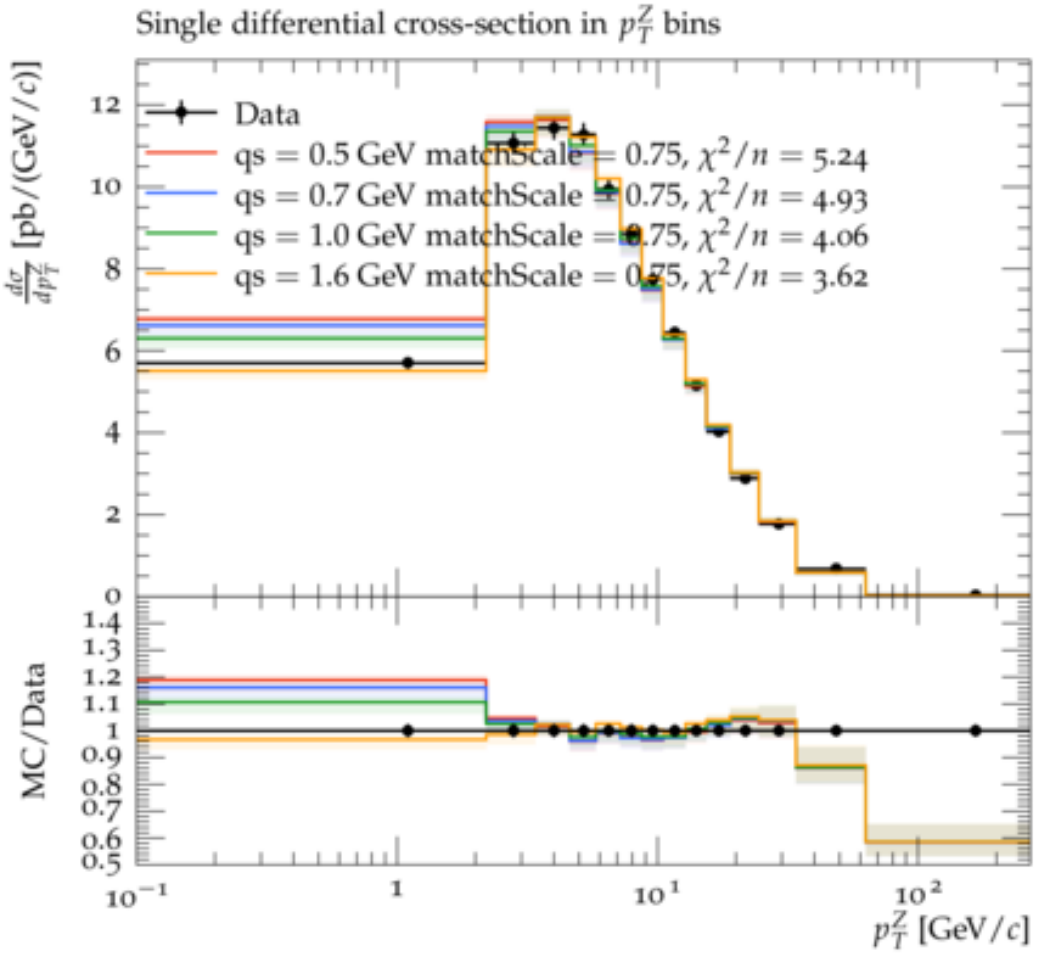
Where do we cut? Where qs doesnt play a role anymore?
Do we allow scaling K factor?
What about the matching bump...It blurs the picture

Scale Factor Matching Scale in Cascade

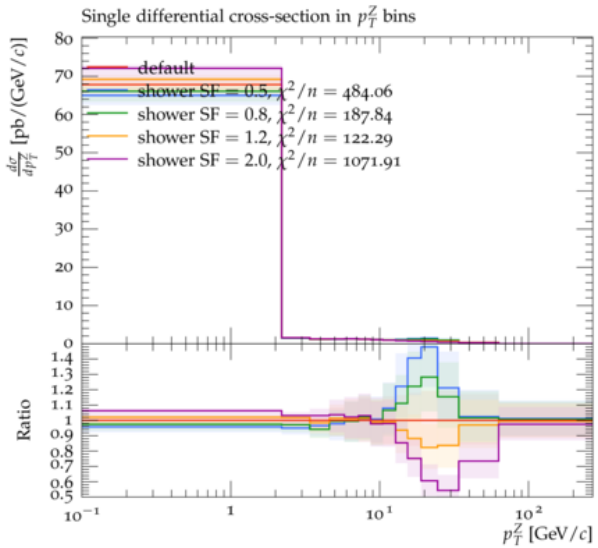


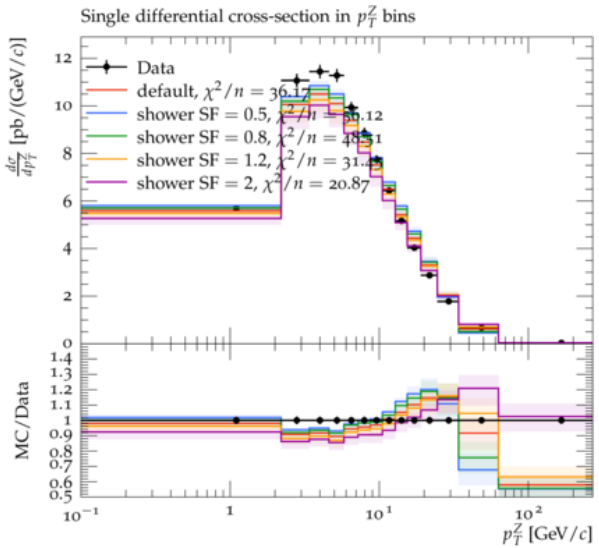
Look at scale factor=0.8! Bump muuuuch smaller

Scale Factor Matching Scale in Cascade, adjusted qs

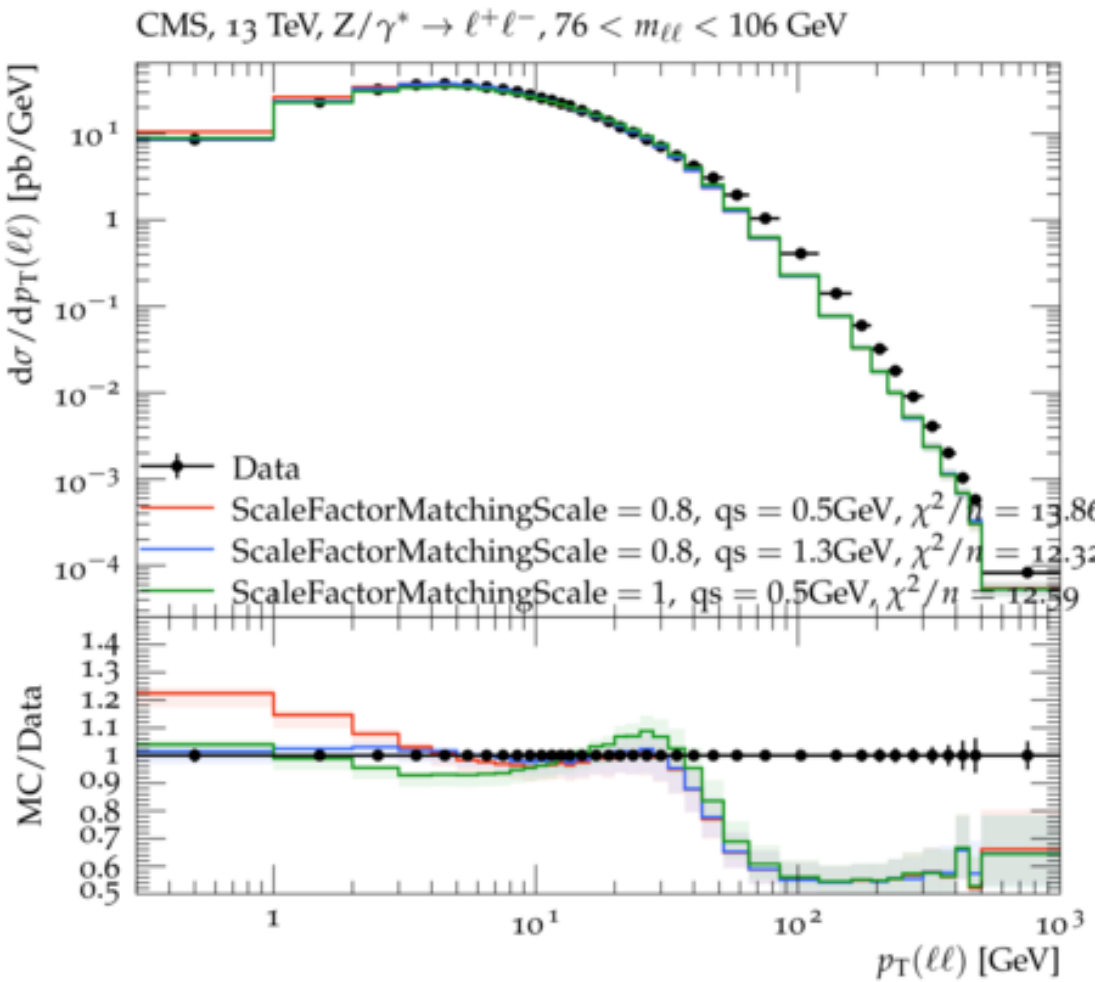
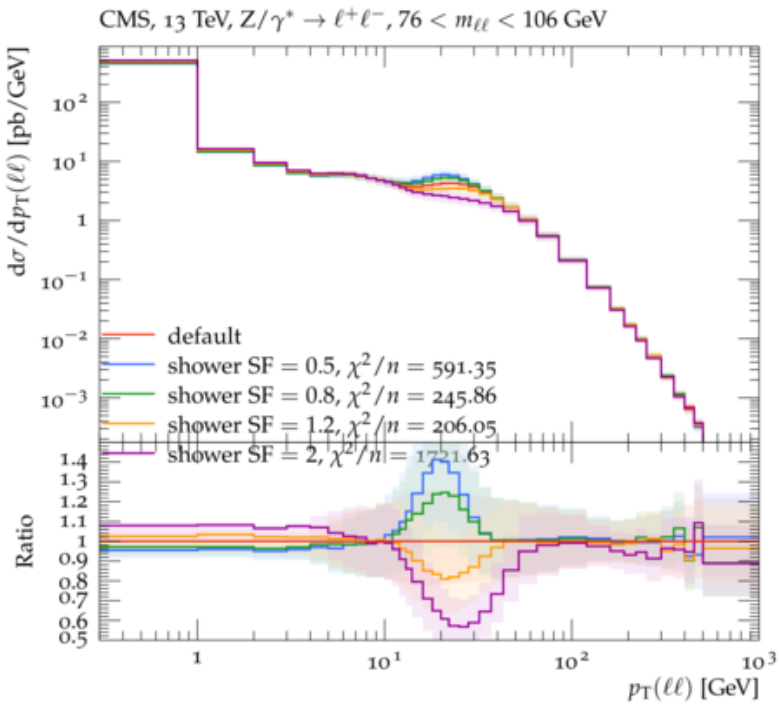
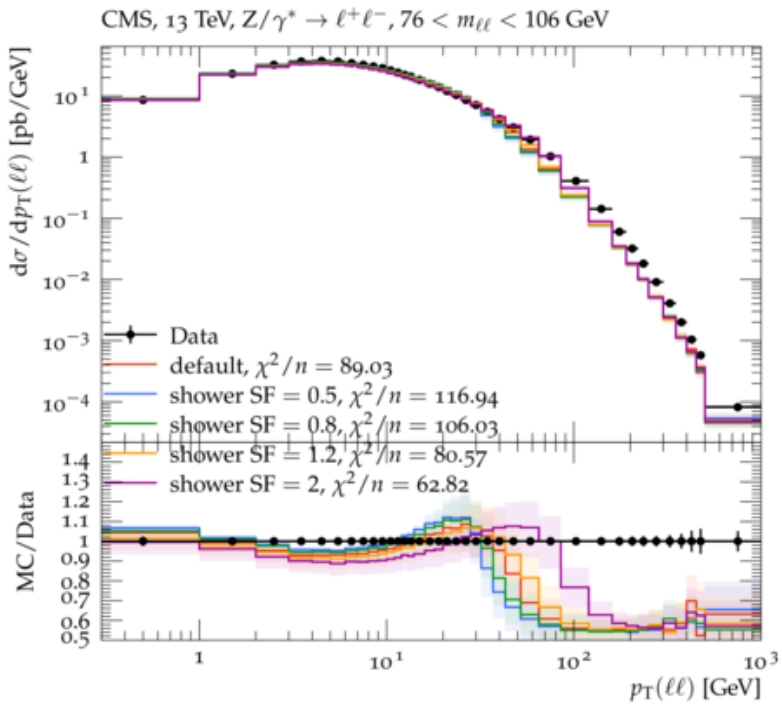


Shower Scale Factor in LHE





CMS, Scale Factor Matching Scale in Cascade



CMS, Shower Scale Factor at LHE