Higgs-p_T in Sherpa

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ggF meeting

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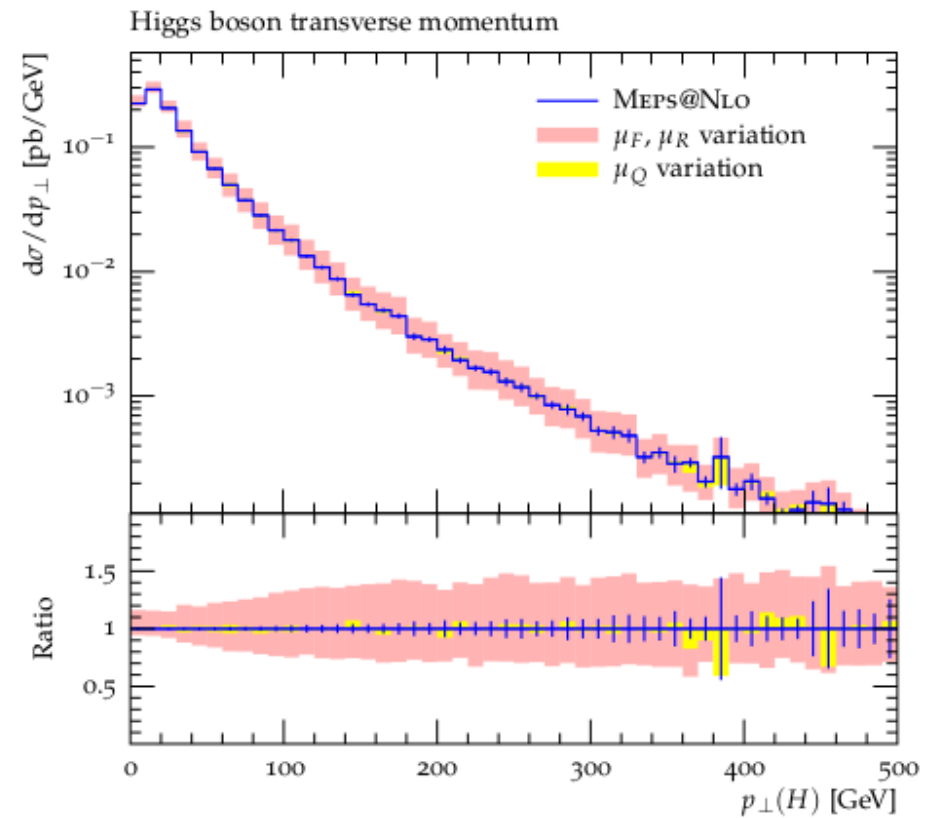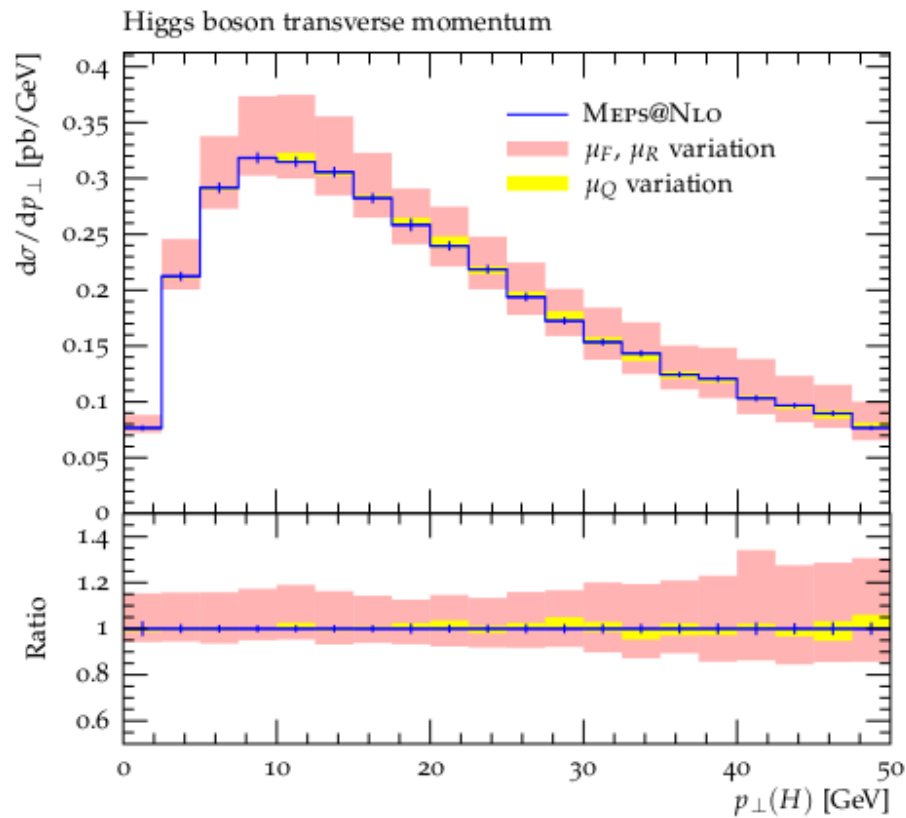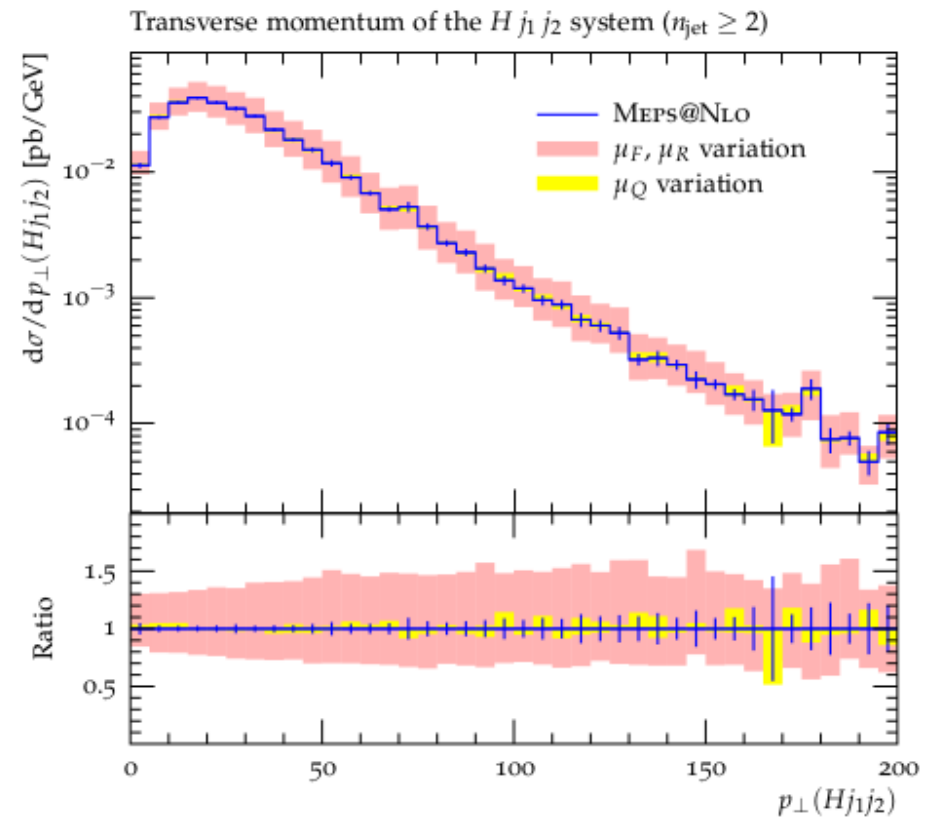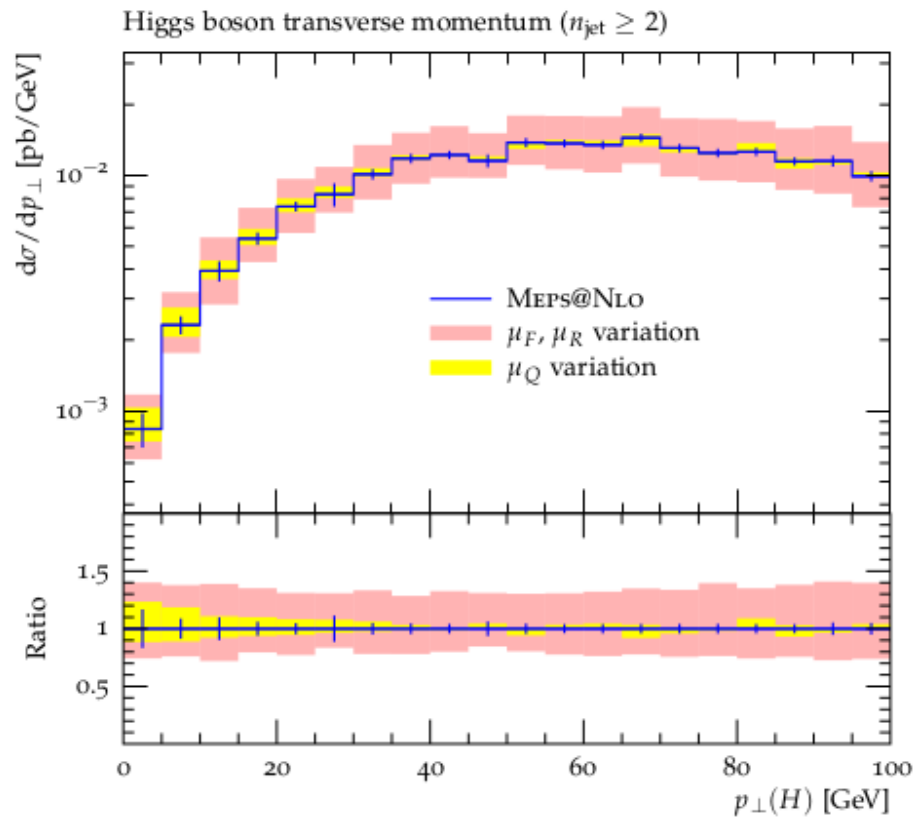
Multijet merging at NLO

- basic idea: combine towers of ME's with increasing jet multiplicity at NLO

- maintain NLO and log-accuracy of shower

- result: merge towers of MC@NLO's for H+0jets, H+1jet, H+2jets, …

- improves p_T spectrum in jet regime

Results: inclusive Higgs p_T

Results: two-jet bin

Further plans for near future

- comparison with Hres/HqT under way, including scale and resummation uncertainties
- more distributions
- publish code