



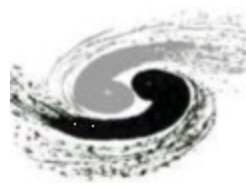
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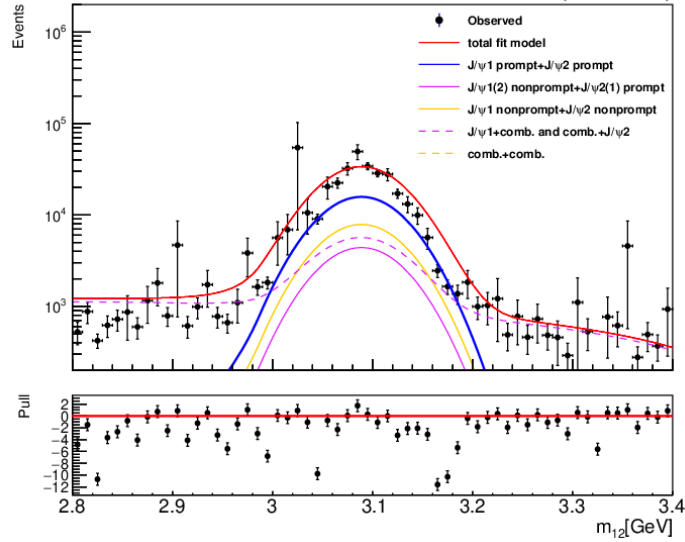
Double Jpsi

Taozhe Yu

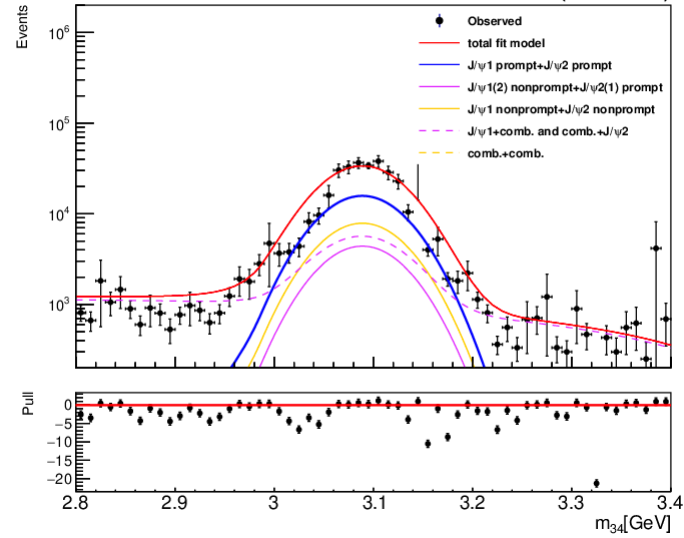
2023.5.25



2016 (13 TeV)

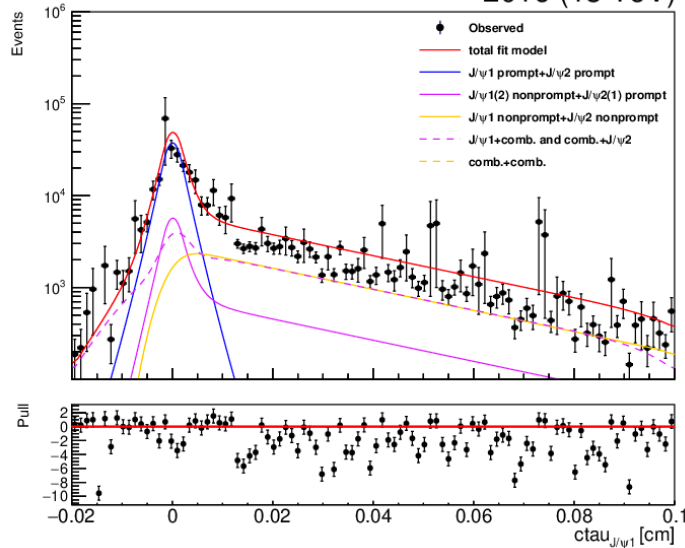


2016 (13 TeV)

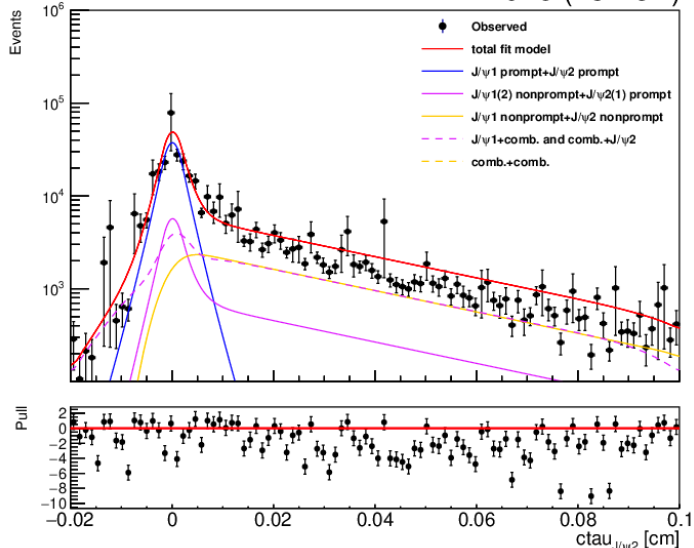


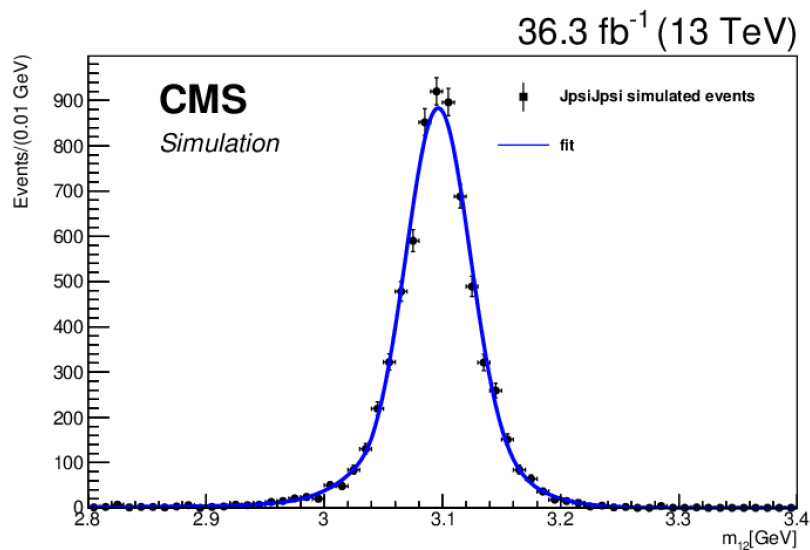
After I add Mapping, the fit result seems not good. Maybe I should get the PDF after adding Mapping.

2016 (13 TeV)

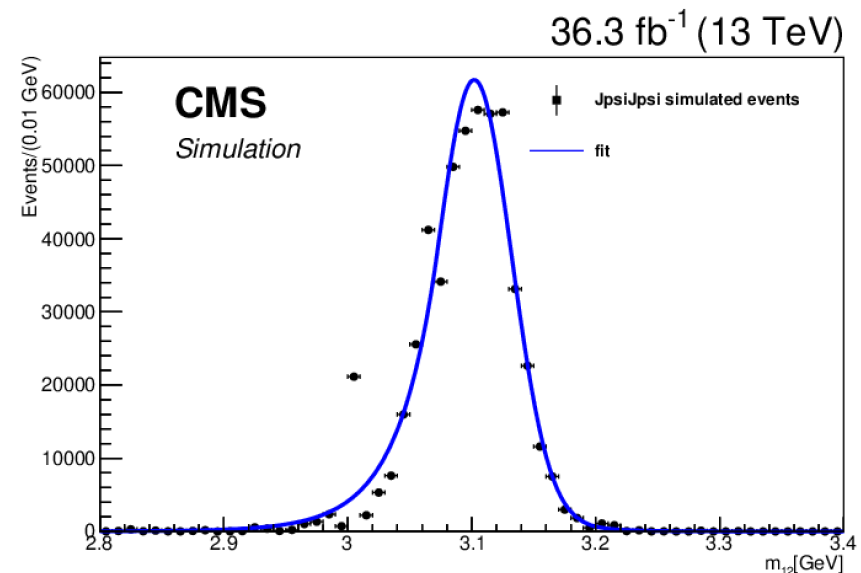


2016 (13 TeV)

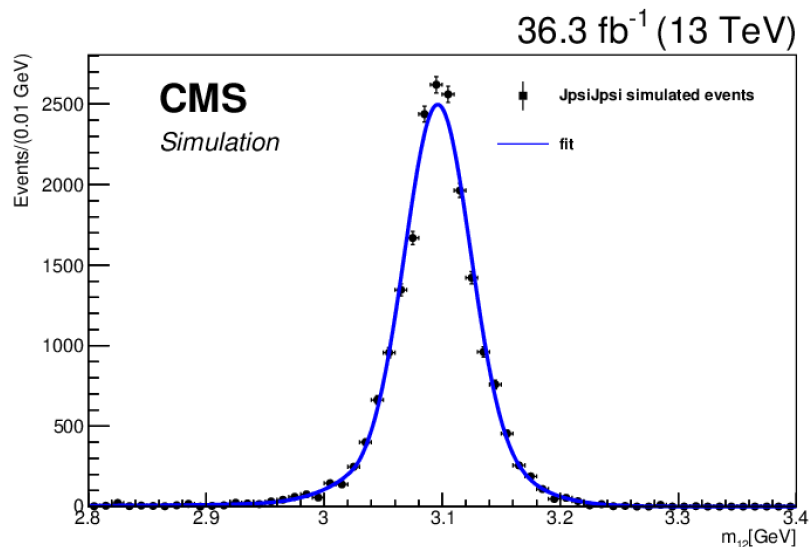




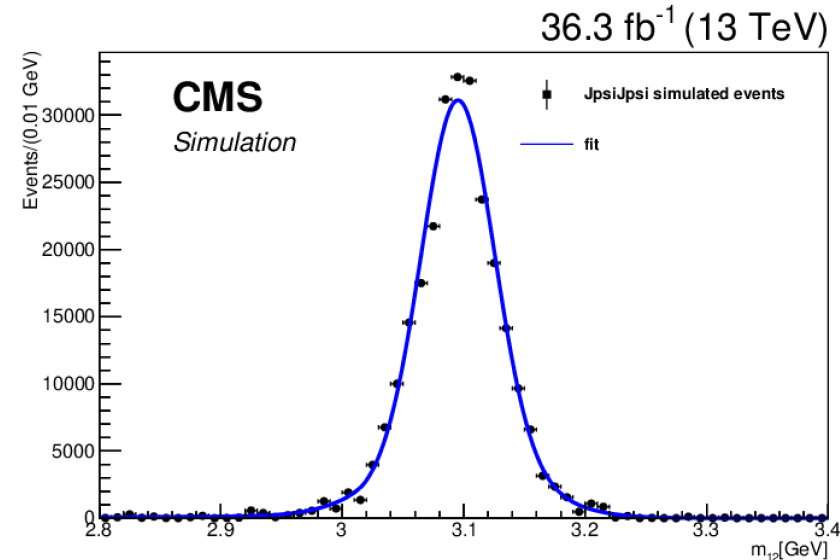
Jpsi pt > 6GeV, don't add acceptance and efficiency



Jpsi pt > 6GeV, use all acceptance and efficiency

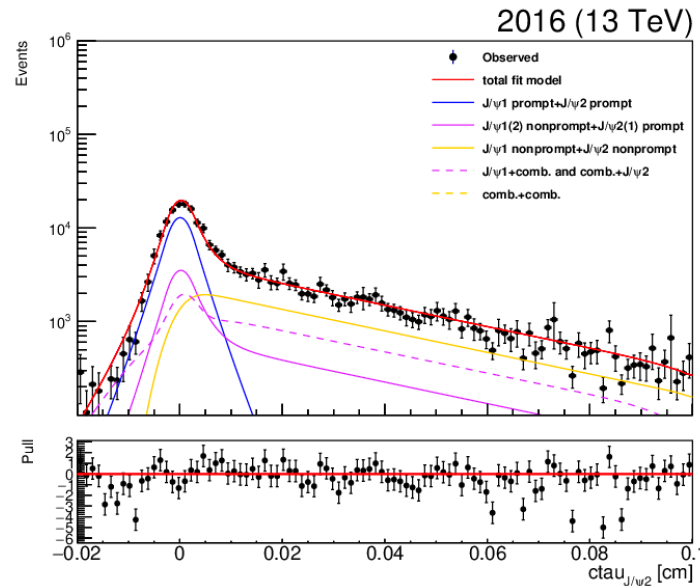
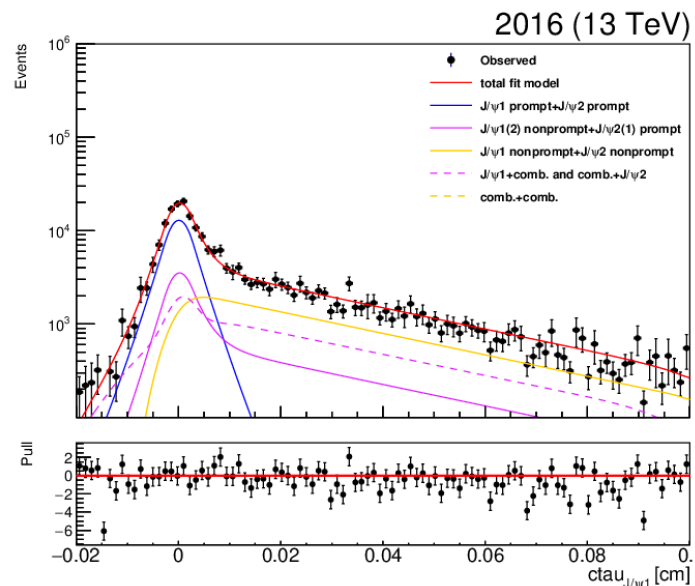
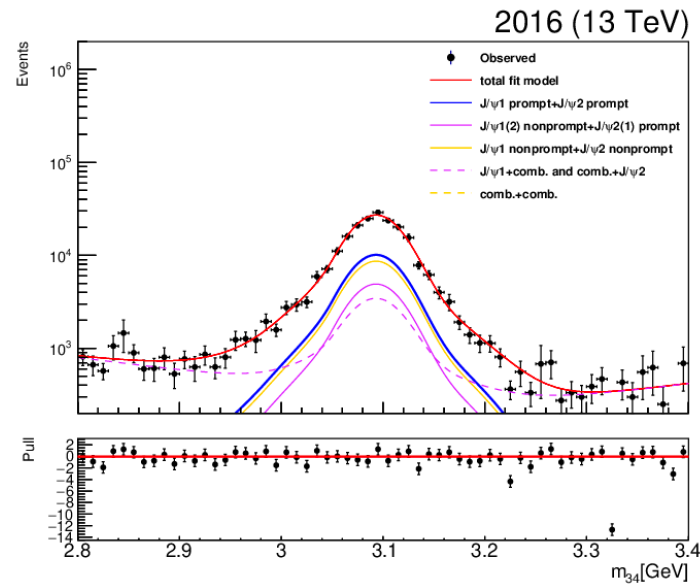
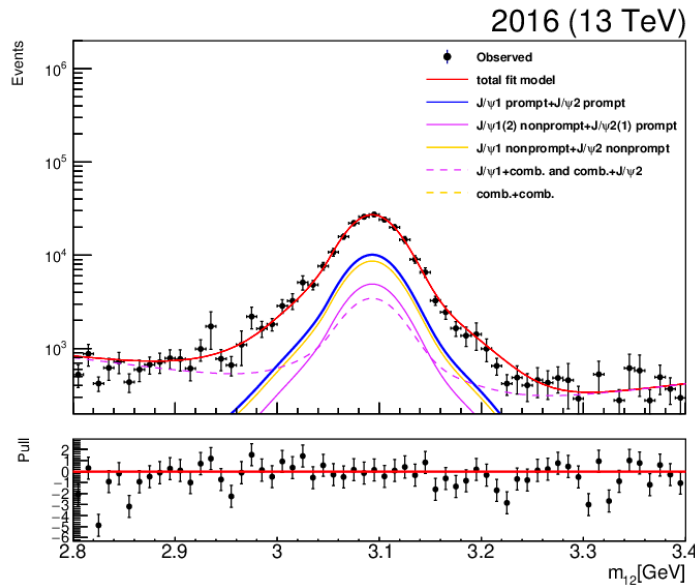
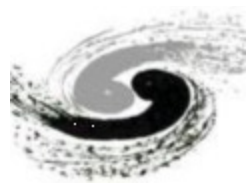


Jpsi pt > 6GeV, use acceptance and efficiency except pt acceptance



Jpsi pt > 7GeV, use acceptance and efficiency

Add mapping Fit(Jpsi pt > 7GeV)



- We make Jpsi pt > 7GeV
- Total number of events in this region is 11254
- Prompt Jpsi pair events are 80300 ± 3130
- Prompt Jpsi + Non-prompt Jpsi events are 38960 ± 3075
- Non-prompt Jpsi pair events are 68655 ± 4285
- Jpsi + comb. events are 49542 ± 4852
- Comb. + comb. Events are 119 ± 1078

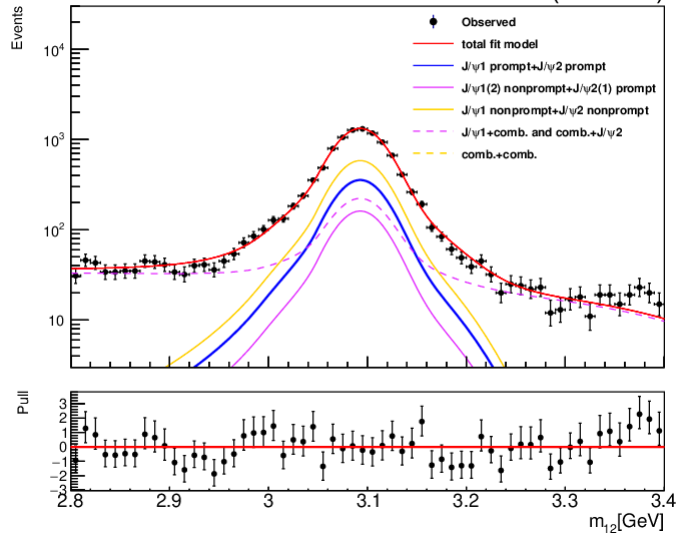


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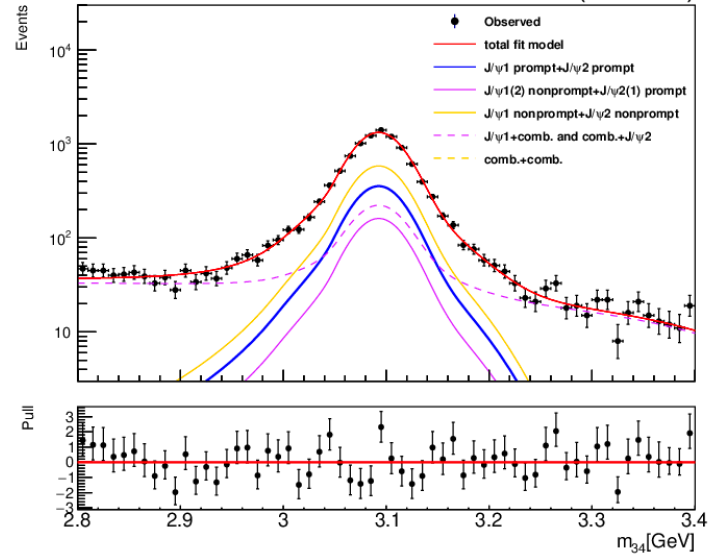


backup

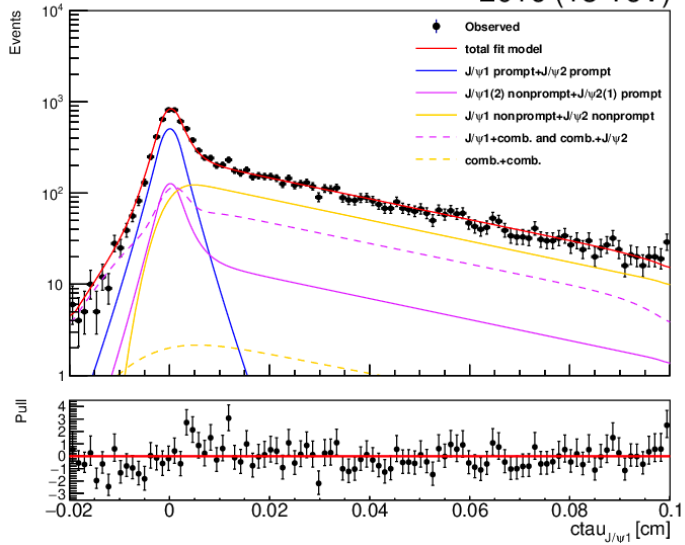
2016 (13 TeV)



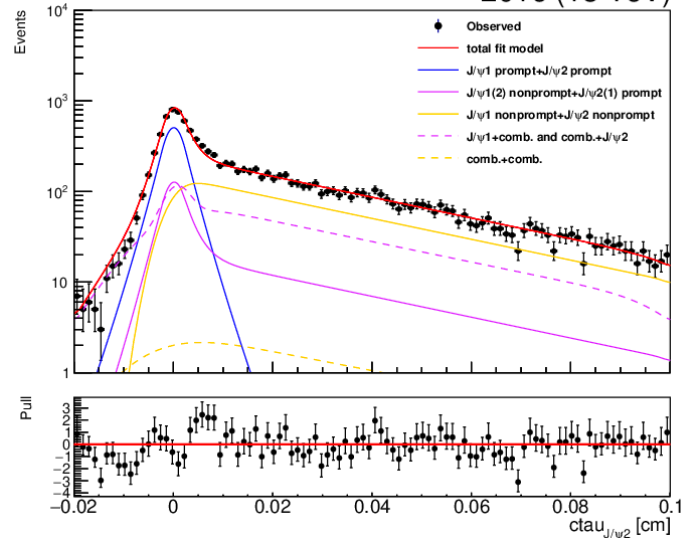
2016 (13 TeV)



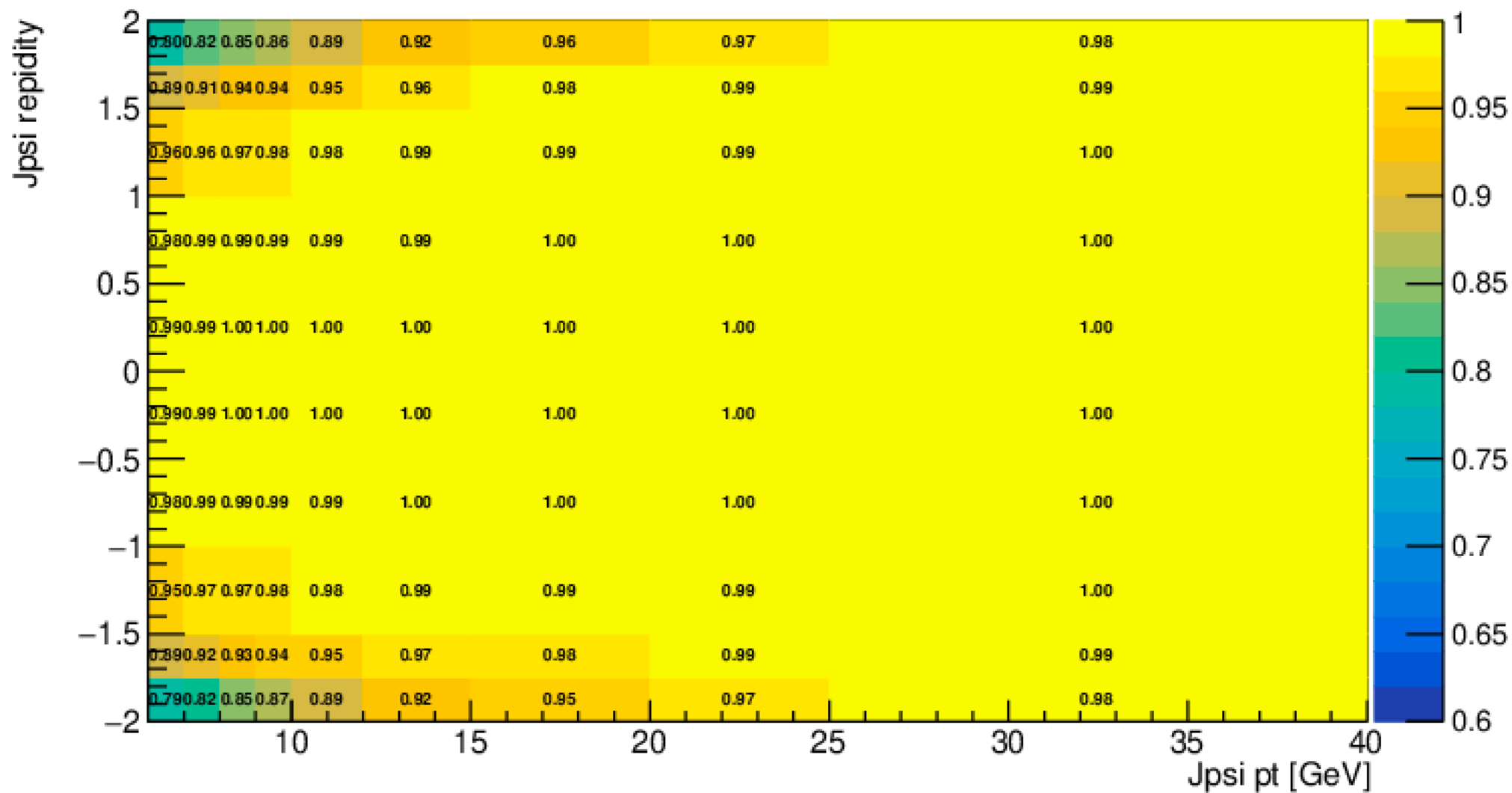
2016 (13 TeV)



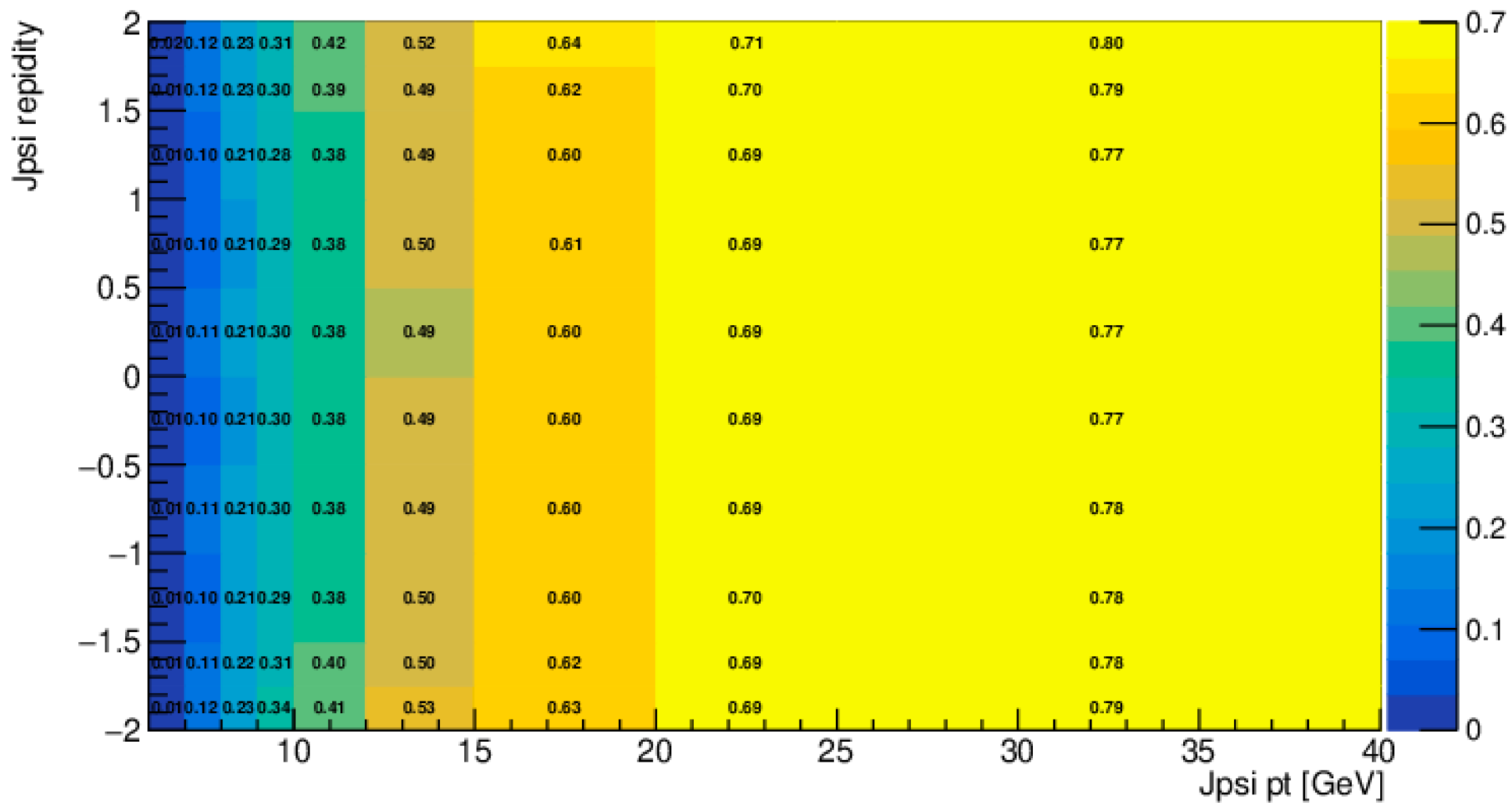
2016 (13 TeV)



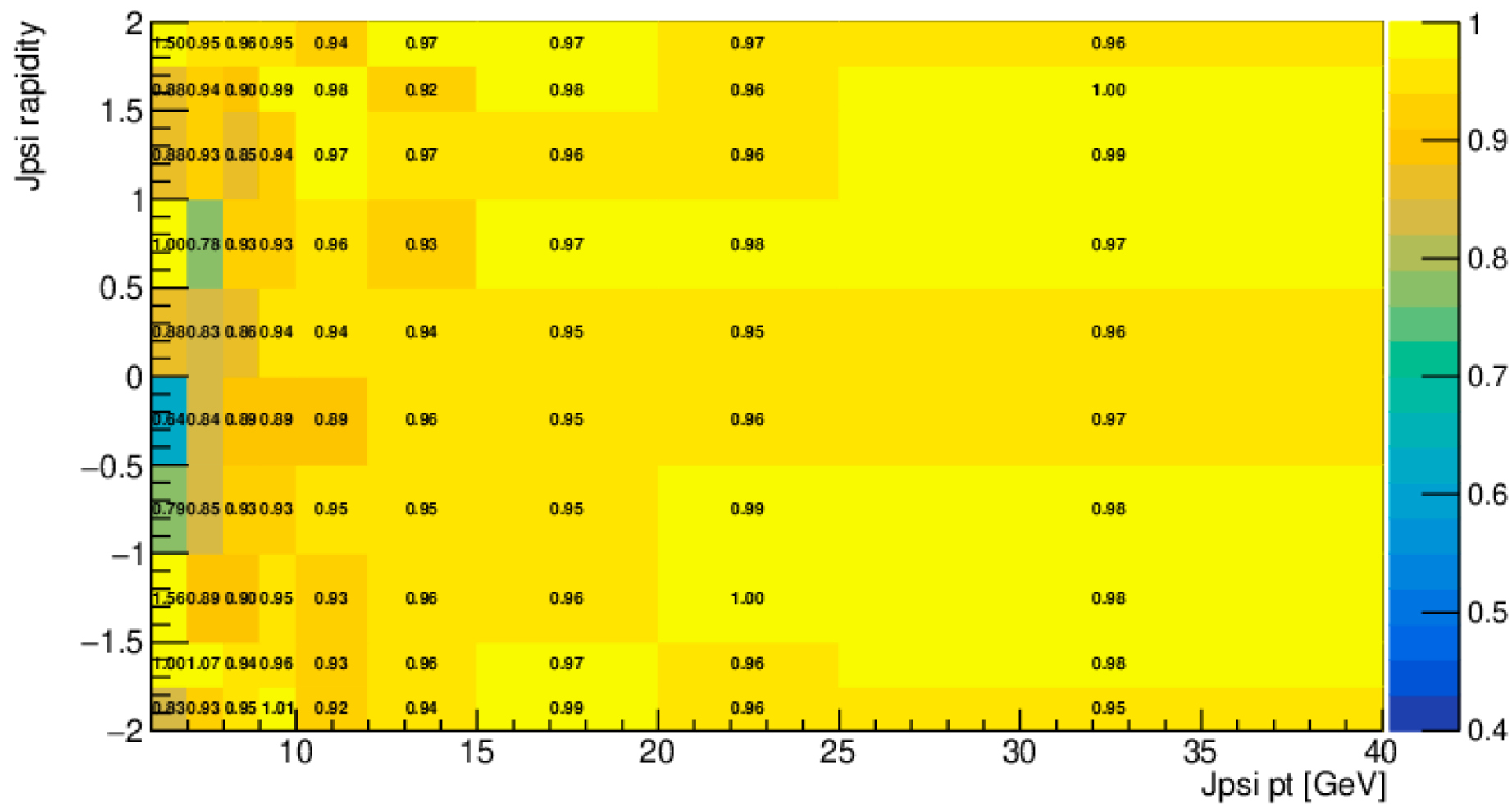
acceptance eta probability



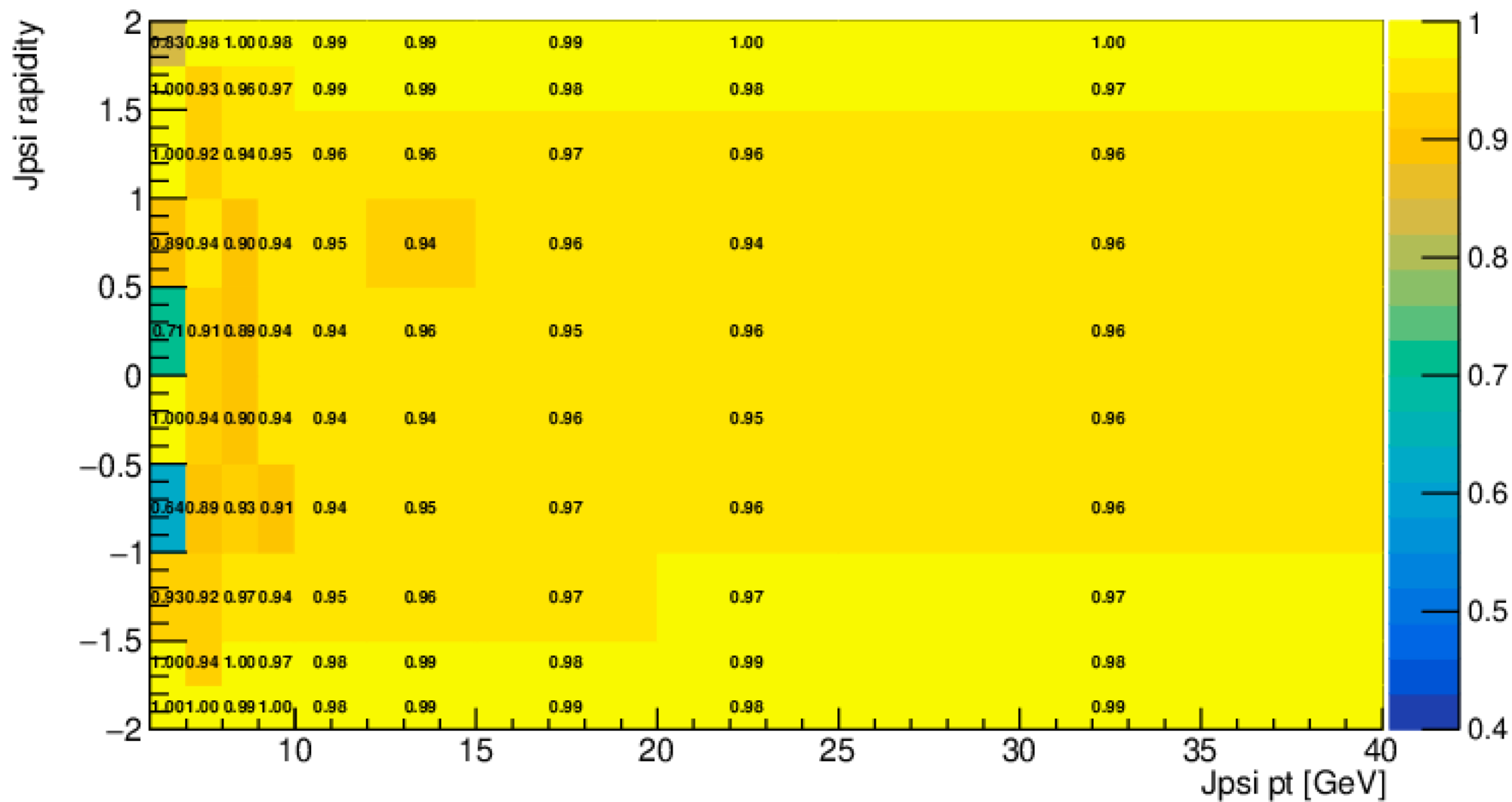
acceptance pt probability



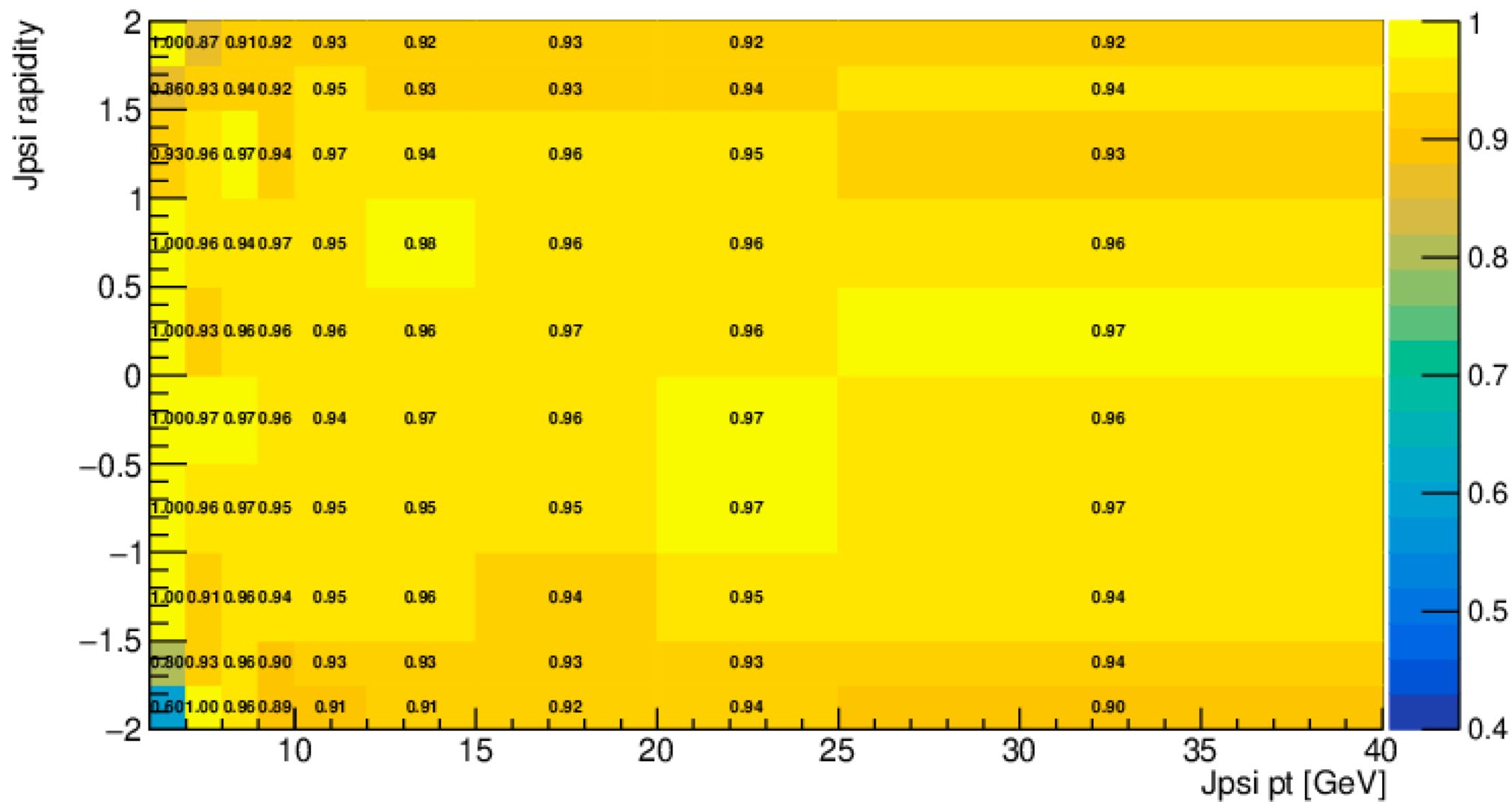
reconstruct probability



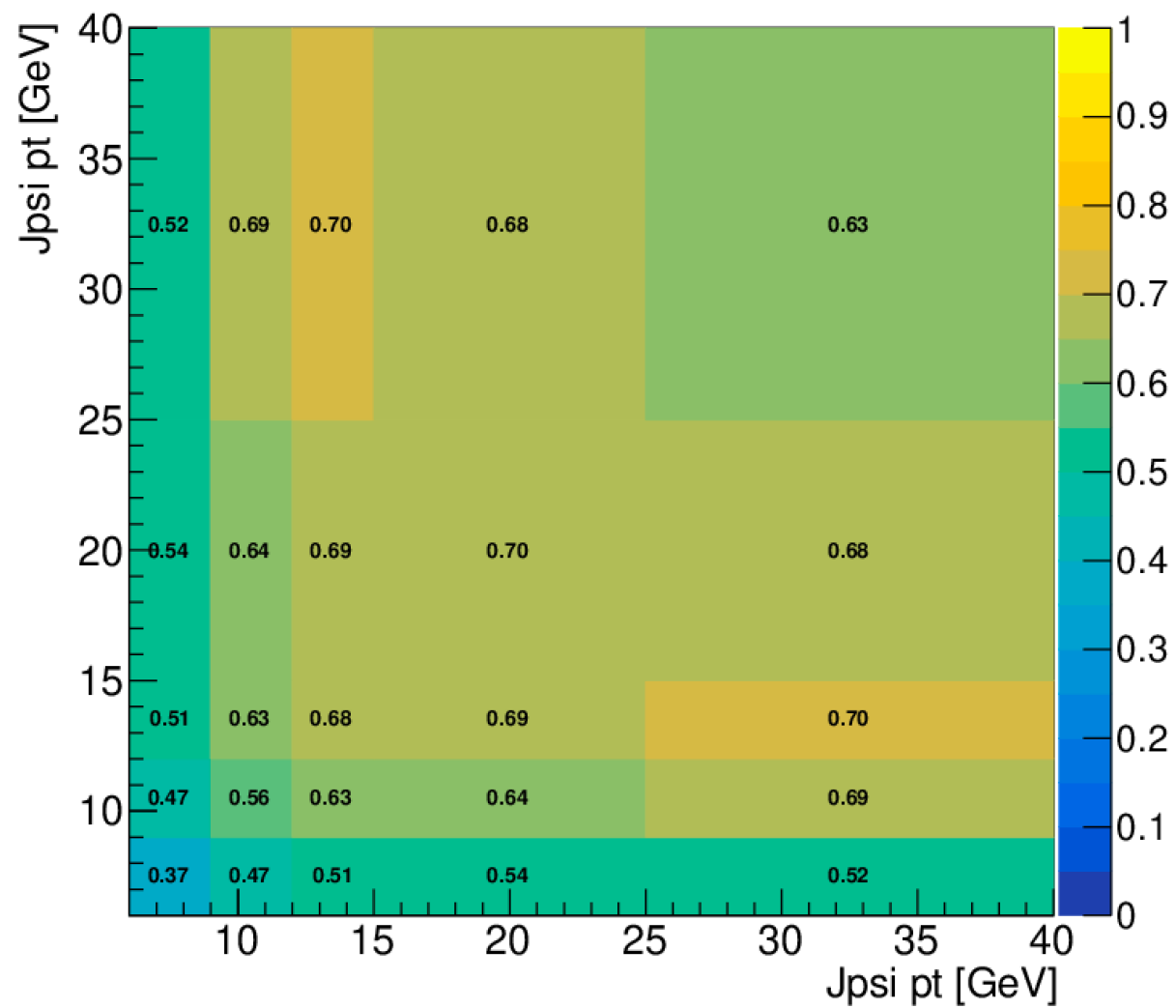
selection probability



vertex probability



pass HLT probability



pass triMatched probability

