D-tagged jets in pp collisions: follow-up about pass4 vs pass2 cuts

Salvatore Aiola
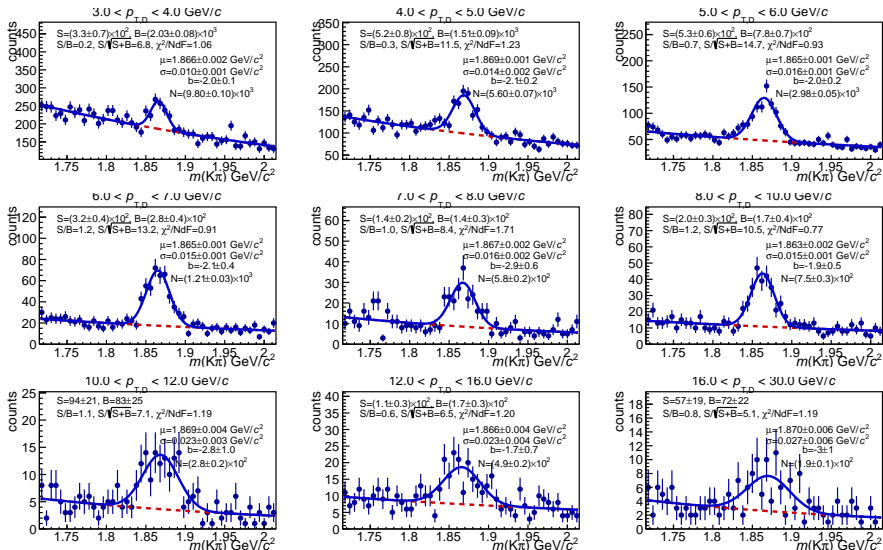
Yale University

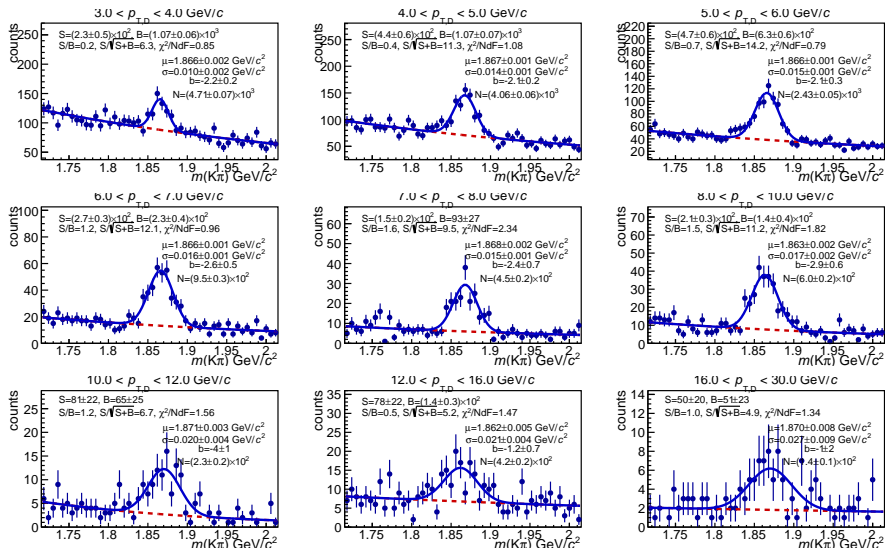PAG-HFCJ
April 19th, 2017

Invariant Mass Distributions
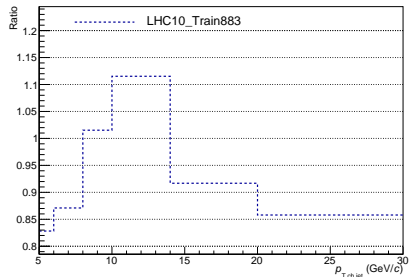
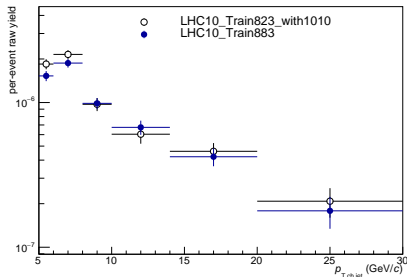# pass2: invariant mass distributions

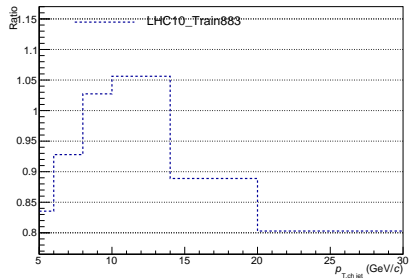# pass4: invariant mass distributions

Raw Yields

Comparison of raw yields (Side Band method)

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)

Comparison of raw yields (Inv.Mass Fit method)

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)
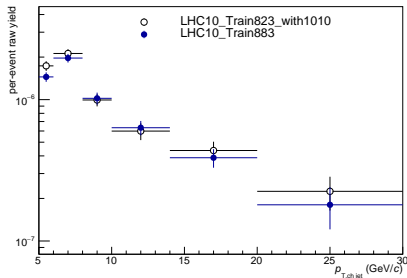
Efficiency-corrected Raw Yields

Comparison of raw yields (Side Band method)

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)
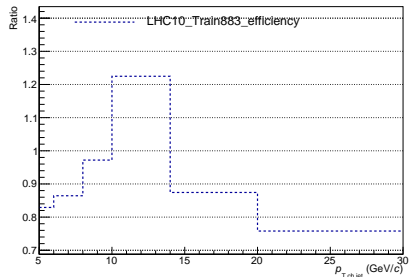
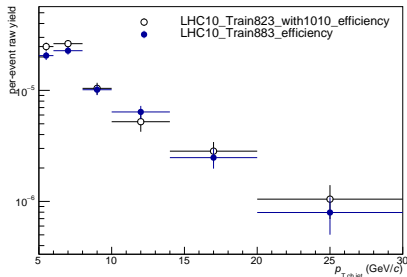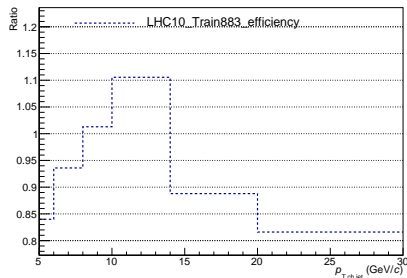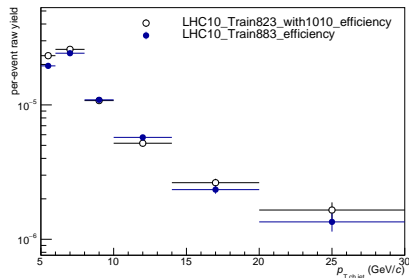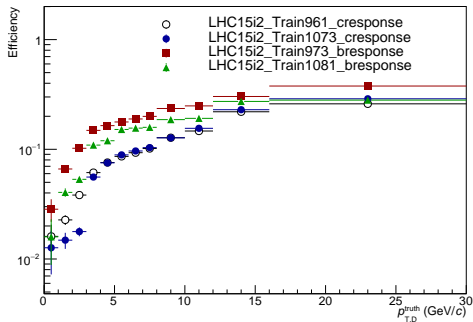# Comparison of raw yields (Inv.Mass Fit method)
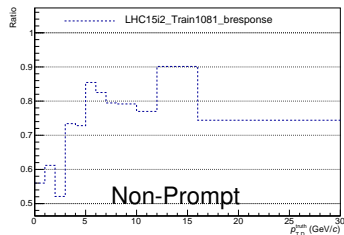

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)

Comparison of prompt/non-prompt efficiencies

LHC15i2_Train961_cresponse	prompt, pass2 cuts
LHC15i2_Train1073_cresponse	prompt, pass4 cuts
LHC15i2_Train973_bresponse	non-prompt, pass2 cuts
LHC15i2_Train1081_bresponse	non-prompt, pass4 cuts

FD-corrected Raw Yields

Comparison of raw yields (Side Band method)

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)

Comparison of raw yields (Inv.Mass Fit method)

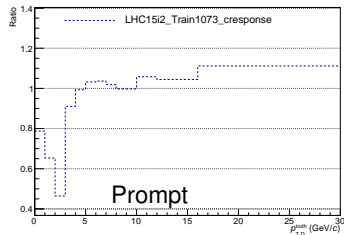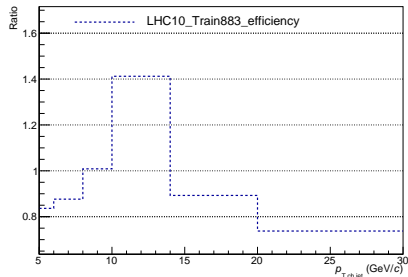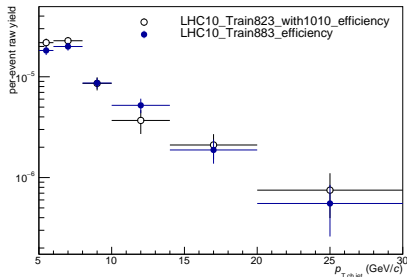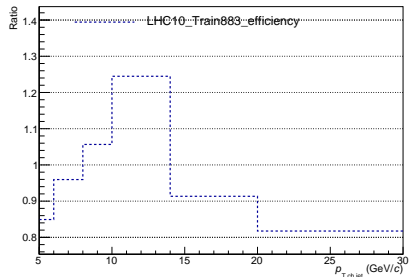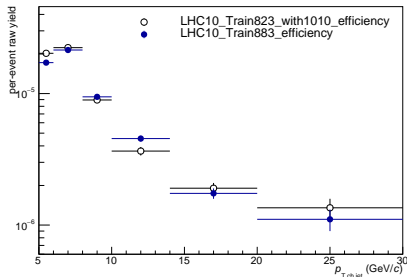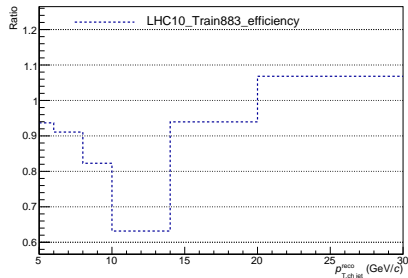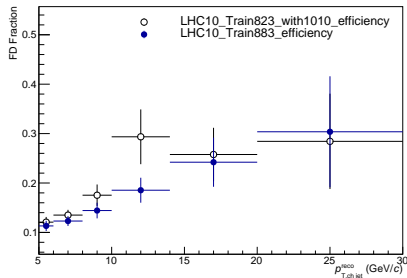LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)

Comparison of B feed-down fractions

LHC10_Train823_with1010 pass2 cuts

LHC10_Train883 pass4 cuts (from C. Terrevoli)