

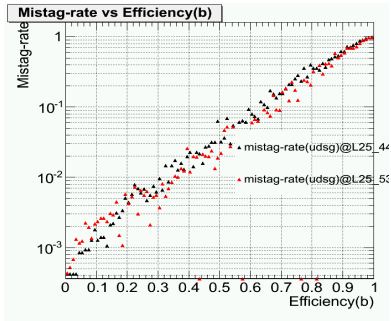
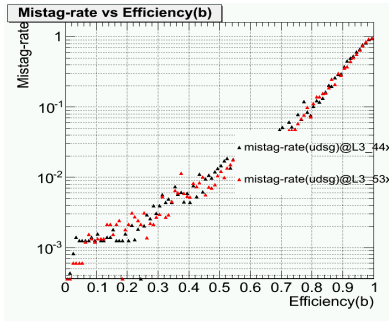
# Validation of BtagHLT: 44x and 53x RelVal

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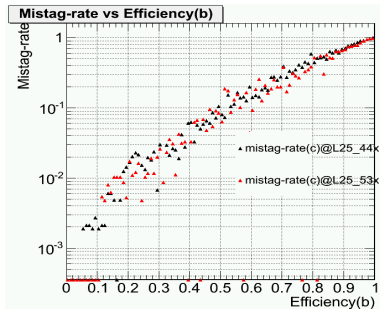
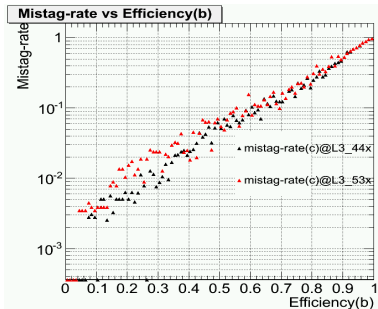
# Figure: mistag\_light\_vs\_effb\_L3

## mistag\_light\_vs\_effb\_L25

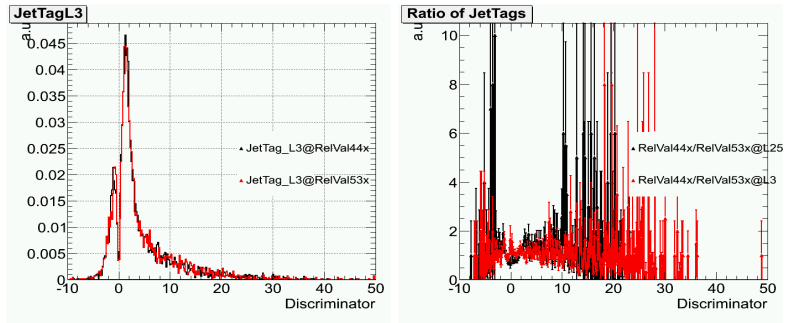


# Figure: mistag\_c\_vs\_effb\_L3

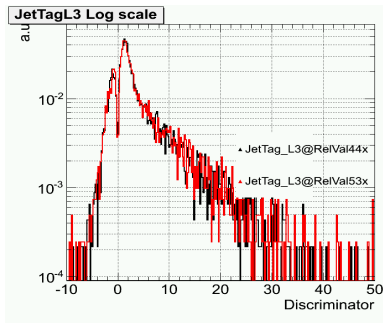
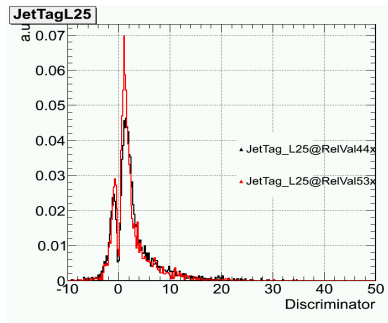
## mistag\_c\_vs\_effb\_L25



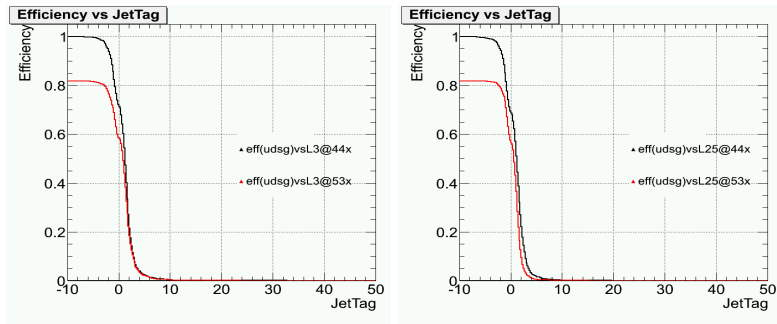
# Figure: JetTagL3 JetTagL25\_ratio



# Figure: JetTagL25 JetTagL25\_Log

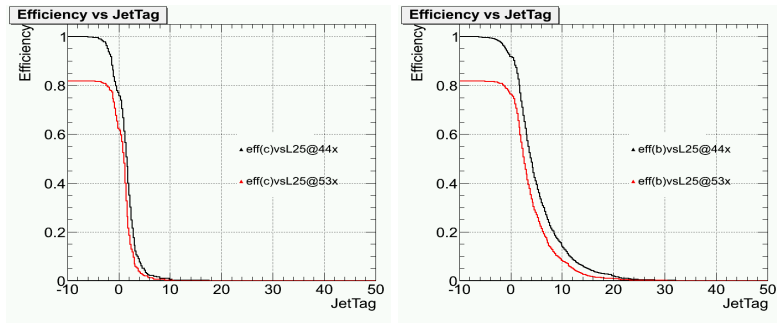


# Figure: EffvsL3\_udsg EffvsL25\_udsg



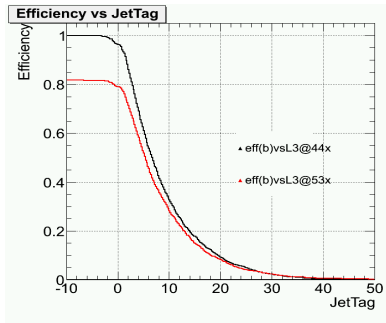
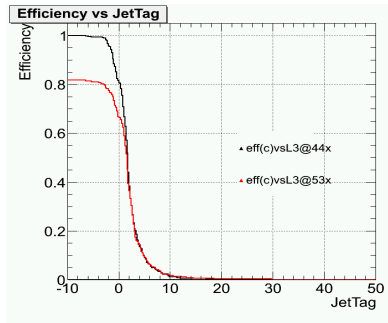
- Here there are some problems with absolute normalizations of efficiencies in the 53X case
  - 53X: some fraction of tagged jets w/o MC flavor

# Figure: EffvsL25\_c EffvsL25\_b



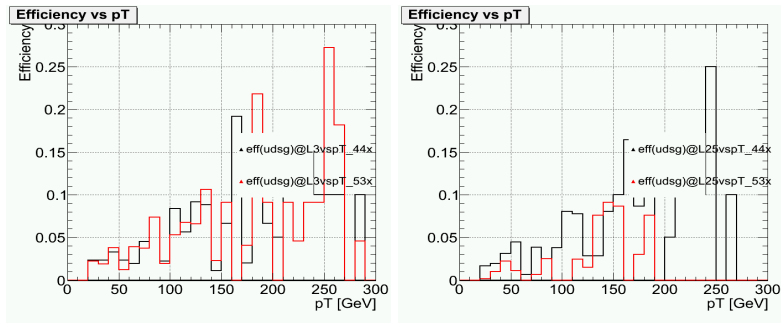
- Here there are some problems with absolute normalizations of efficiencies in the 53X case
  - 53X: some fraction of tagged jets w/o MC flavor

# Figure: EffvsL23\_c EffvsL23\_b



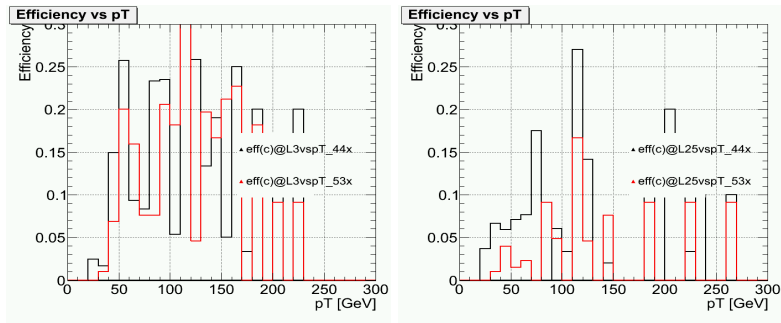


# Figure: Eff\_udsg\_vsPt\_L3 Eff\_udsg\_vsPt\_L25



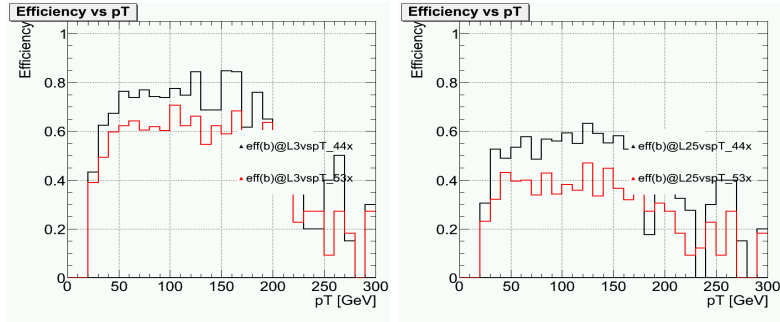
- Here there are some problems with absolute normalizations of efficiencies in the 53X case
- 53X: some fraction of tagged jets w/o MC flavor

# Figure: Eff\_c\_vsPt\_L3 Eff\_c\_vsPt\_L25



- Here there are some problems with absolute normalizations of efficiencies in the 53X case
- 53X: some fraction of tagged jets w/o MC flavor

# Figure: Eff\_b\_vsPt\_L3 Eff\_b\_vsPt\_L25



- Here there are some problems with absolute normalizations of efficiencies in the 53X case
  - 53X: some fraction of tagged jets w/o MC flavor