HO TwinMux

Ashraf Mohamed

1-Deutsches Elektronen-Synchrotron (DESY)

2-RWTH AACHEN III A

Emulator – HO Support for isolated MB1 TPs

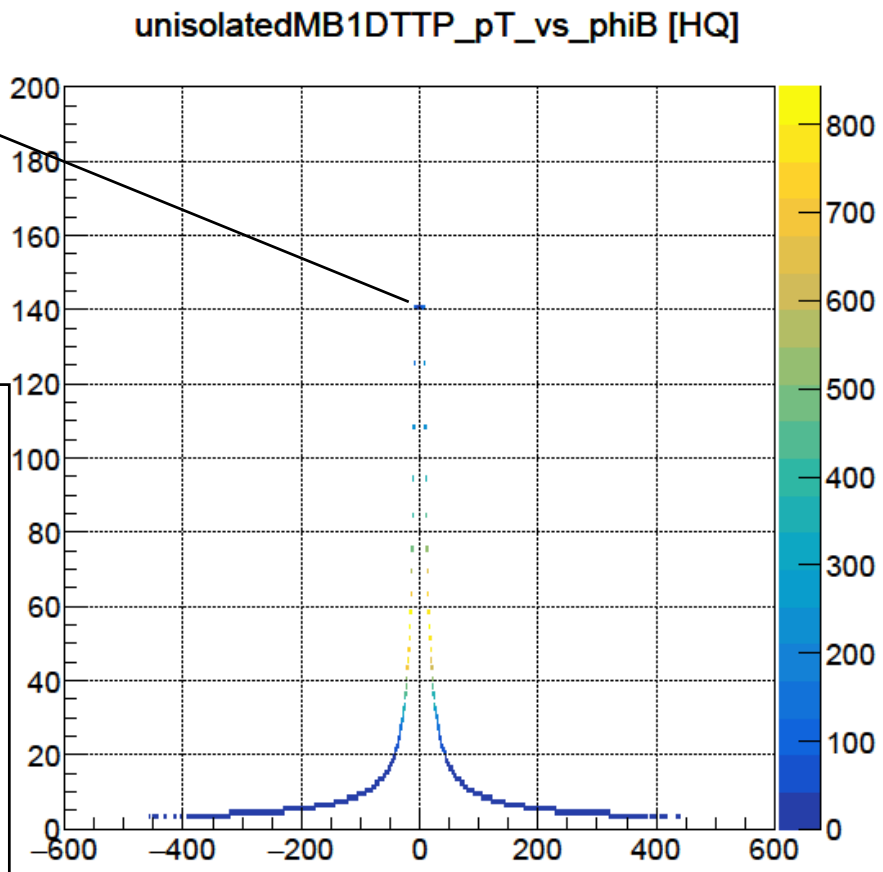
Step I - finding the Isolated MB1 TPs

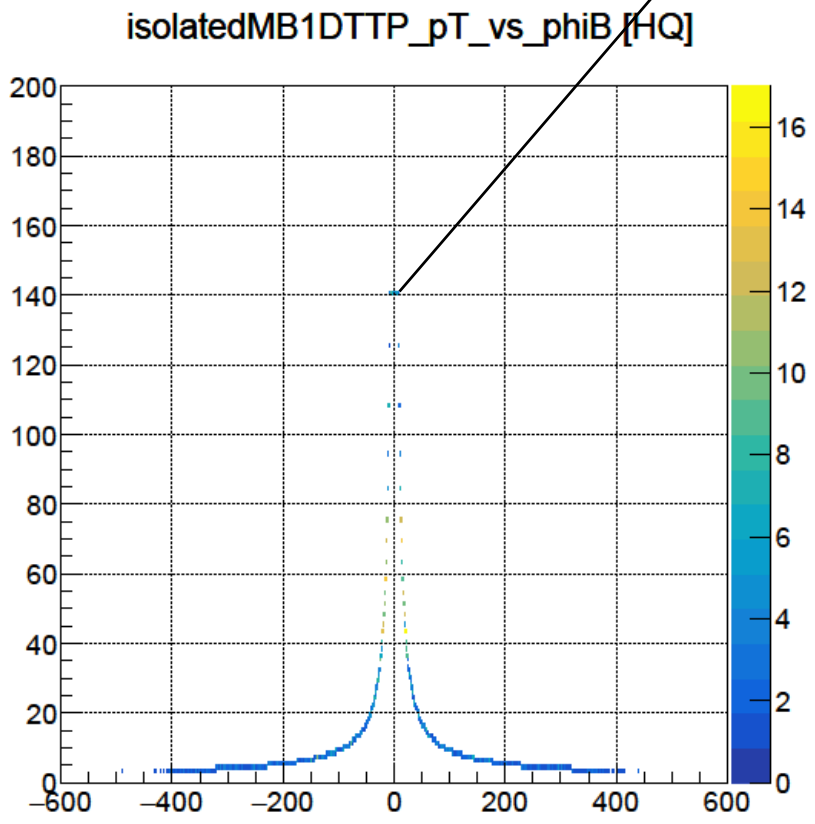
- MB1 TPs from YB $\pm$ 2 will be excluded.
- TPs only in the MB1 and no matched TPs in any other Muon Stations.
- MB1 TPs Within $\Delta\varphi$ of 0.4.
- Not BX or ΔBX requirement.

Step I - finding matched HO TPs

- $\Delta i\varphi \leq 1$, ΔYB = 0 and Δsec = 0.
- If $\Delta i\eta$ MB1 TP then require $\Delta i\eta \leq 1$.

Emulator – p_T





unIso Pt spectrum is much stronger than what SOHAM presented before with ZeroBias events

Iso Pt spectrum is much softer than what SOHAM presented before with ZeroBias events

/SingleMuon/SingleMuon-Run2017A-ZMu

Emulator – p_T

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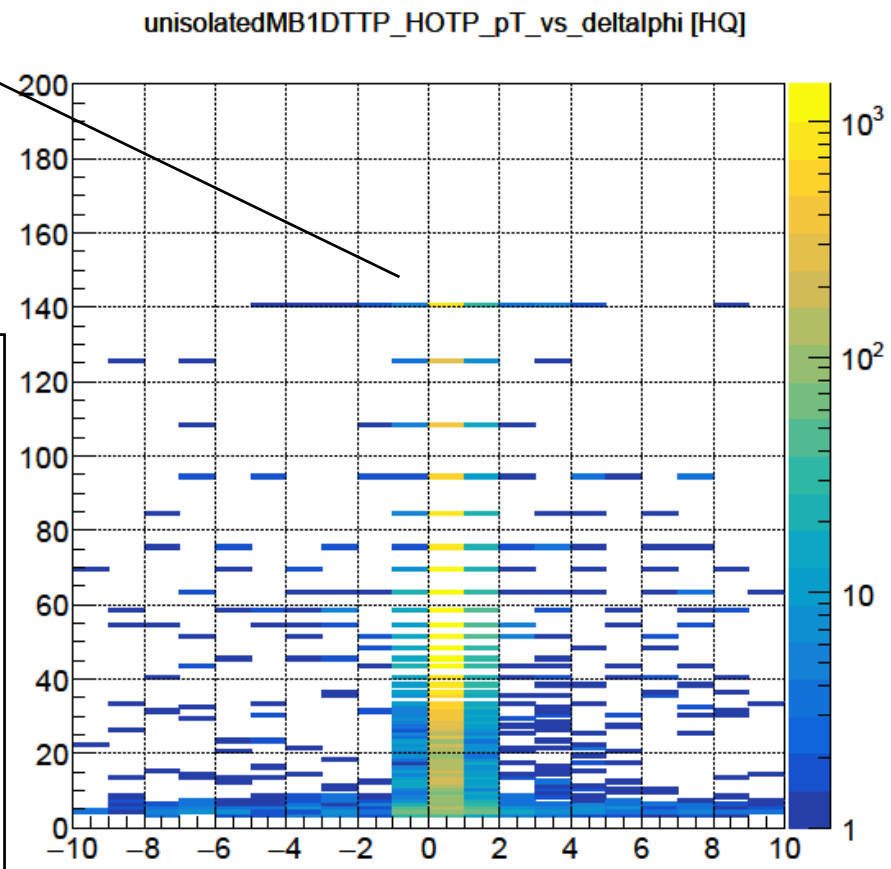

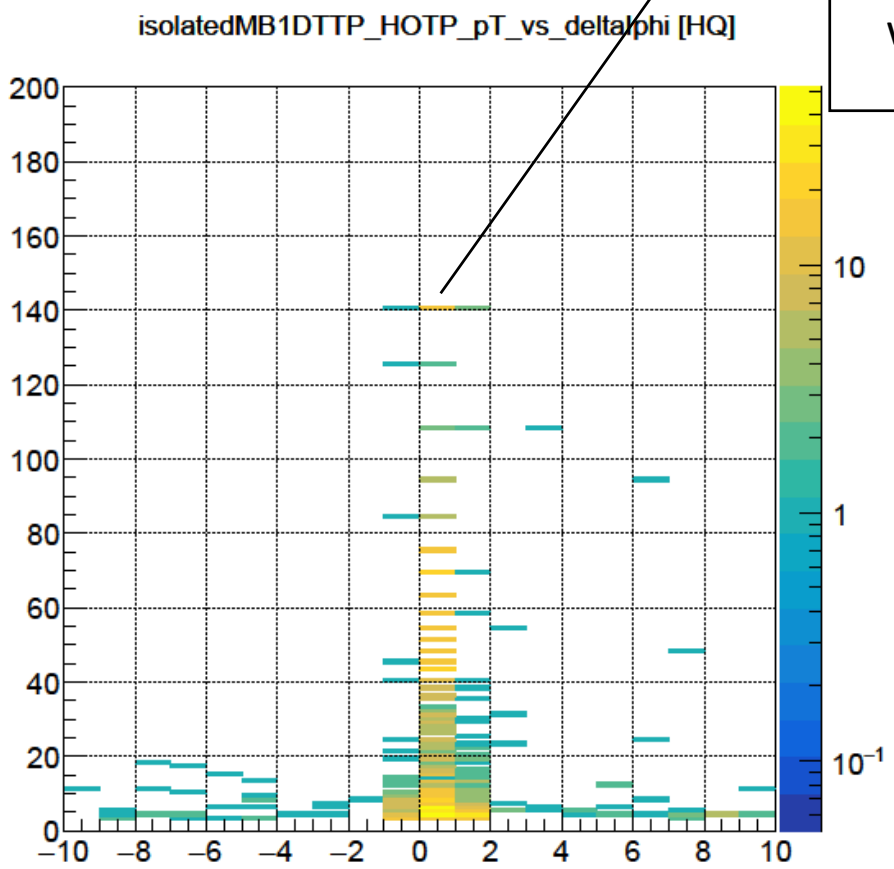

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Danke!