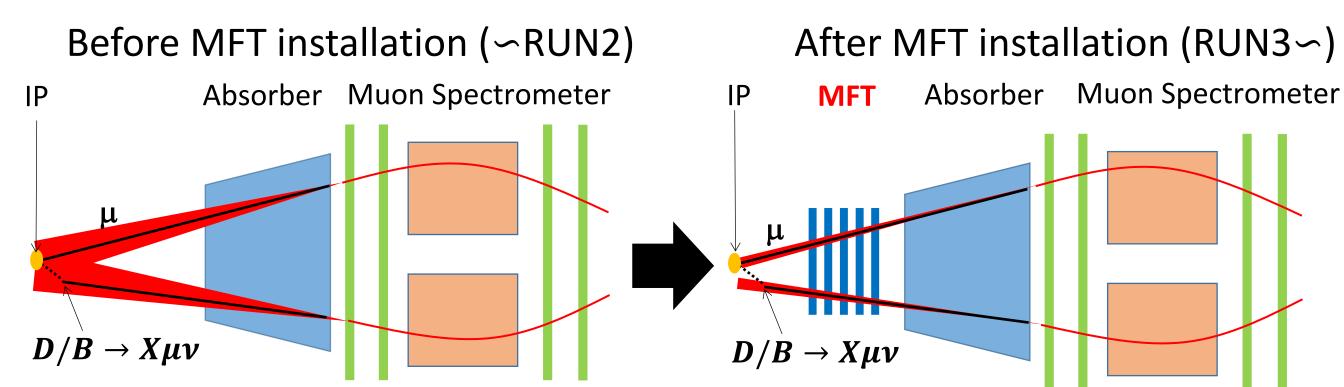


Quark Matter 2019, Wuhan, China, 4-9 November, 2019

# **Muon Forward Tracker: adding vertexing** capability to the ALICE MUON Spectrometer

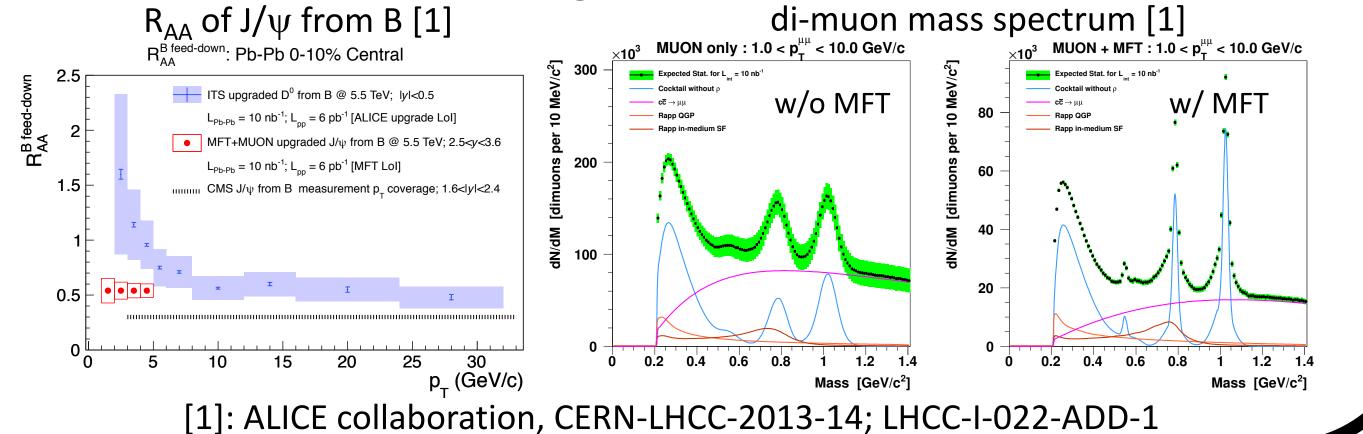
Yorito Yamaguchi for the ALICE collaboration Hiroshima University

## Installation of MFT



### Achievable measurements with MFT

- Better rejection power of muons from  $\pi/K$  decays
- Separation of secondary vertex from IP
  - $\rightarrow$  Measurements of open heavy flavors & J/ $\psi$  from B
- Better di-muon mass resolution
  - → Measurements of Light Vector Mesons & di-muon continuum



Issue with muon measurements in the forward region ( $\sim$ RUN2)

- Blurred vision of the muon vertex due to absence of track info in front of the Absorber
- Solution: Installation of MFT for RUN3

