

Tag and Probe Real Data vs MC Jpsi Peak

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Tag and Probe

- Triggering Efficiency Data vs MC
- Tracking Efficiency Data vs MC
- Muon ID Efficiency Data vs MC



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Status

- **Data:** Rerunning for more centrality bins.
(0-10,10-20,20-50,50-100)
- **MC:** Rerunning for more centrality bins as well.



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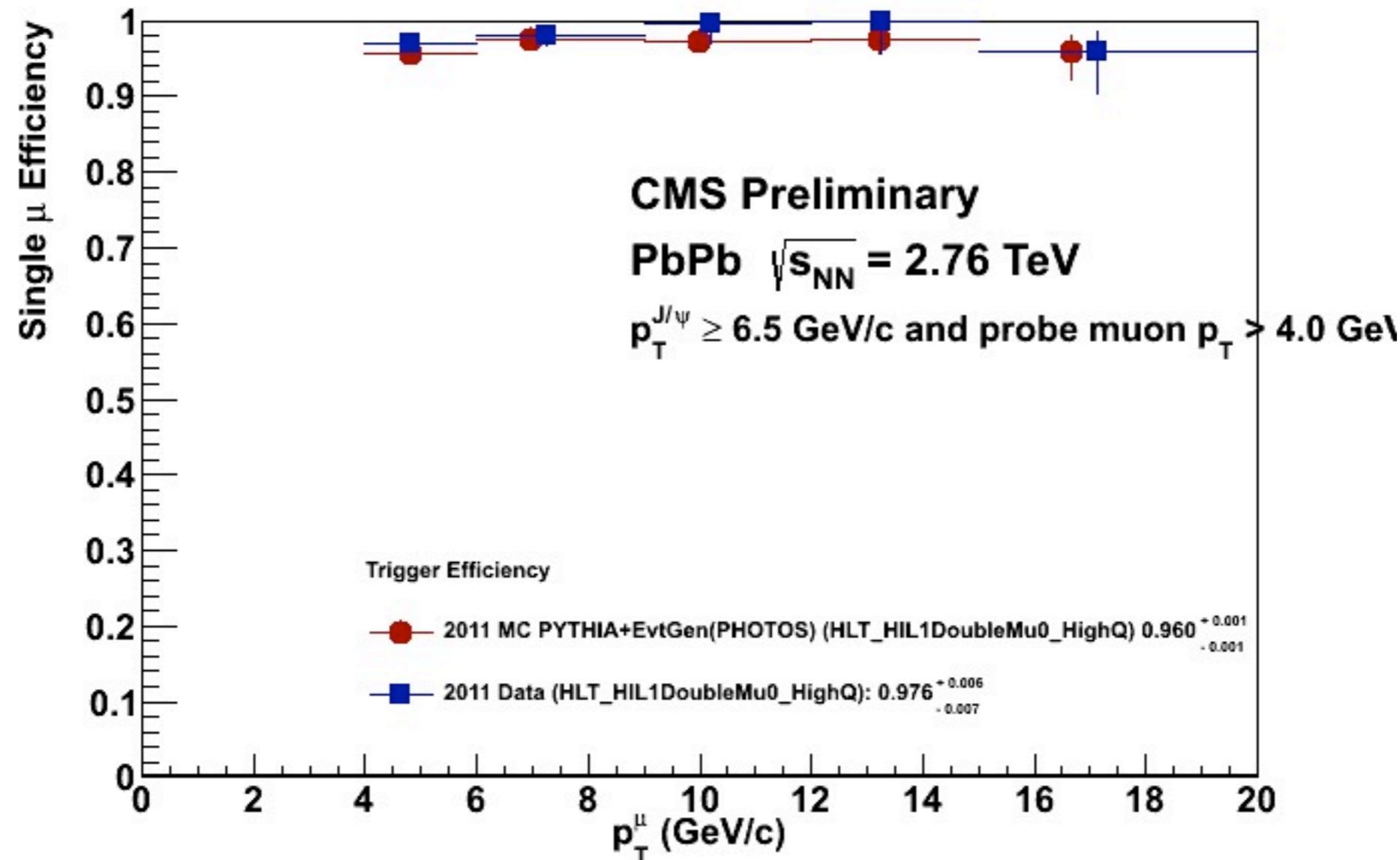


Trigger Efficiency

- **tag**:
 - a global muon with good quality and matched to single muon trigger.
- **probe**:
 - global muon that fulfills all quality cuts in the acceptance.
- **passing probe**:
 - probe that can be matched to (HLT_HIL1DoubleMu0_HighQ_v2).



Trigger Efficiency – p_T



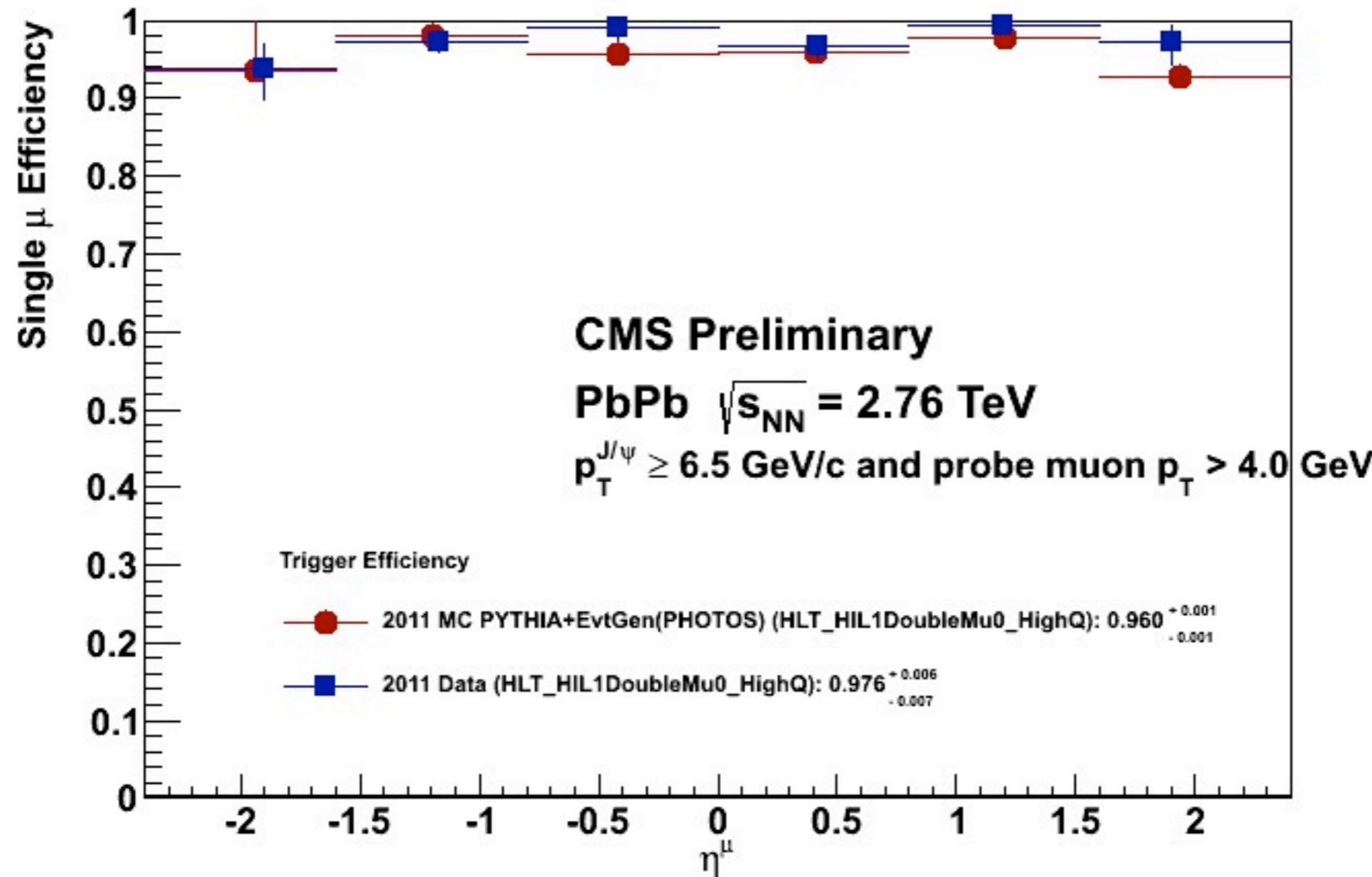
Shape is a Crystal Ball plus a gaussian motivated to take into account the varying resolution



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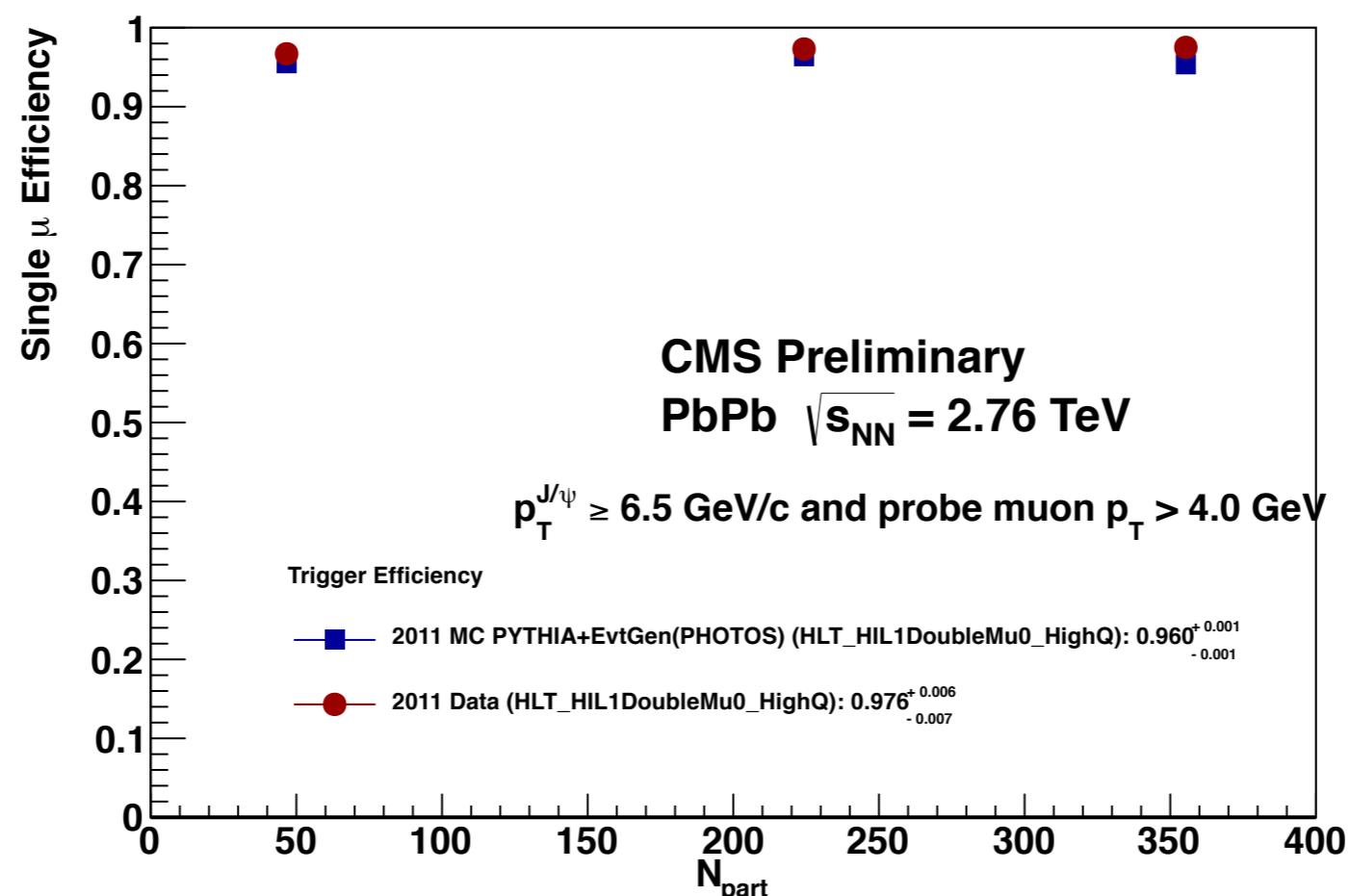
Trigger Efficiency – eta



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Trigger Efficiency – Npart



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