



Status report

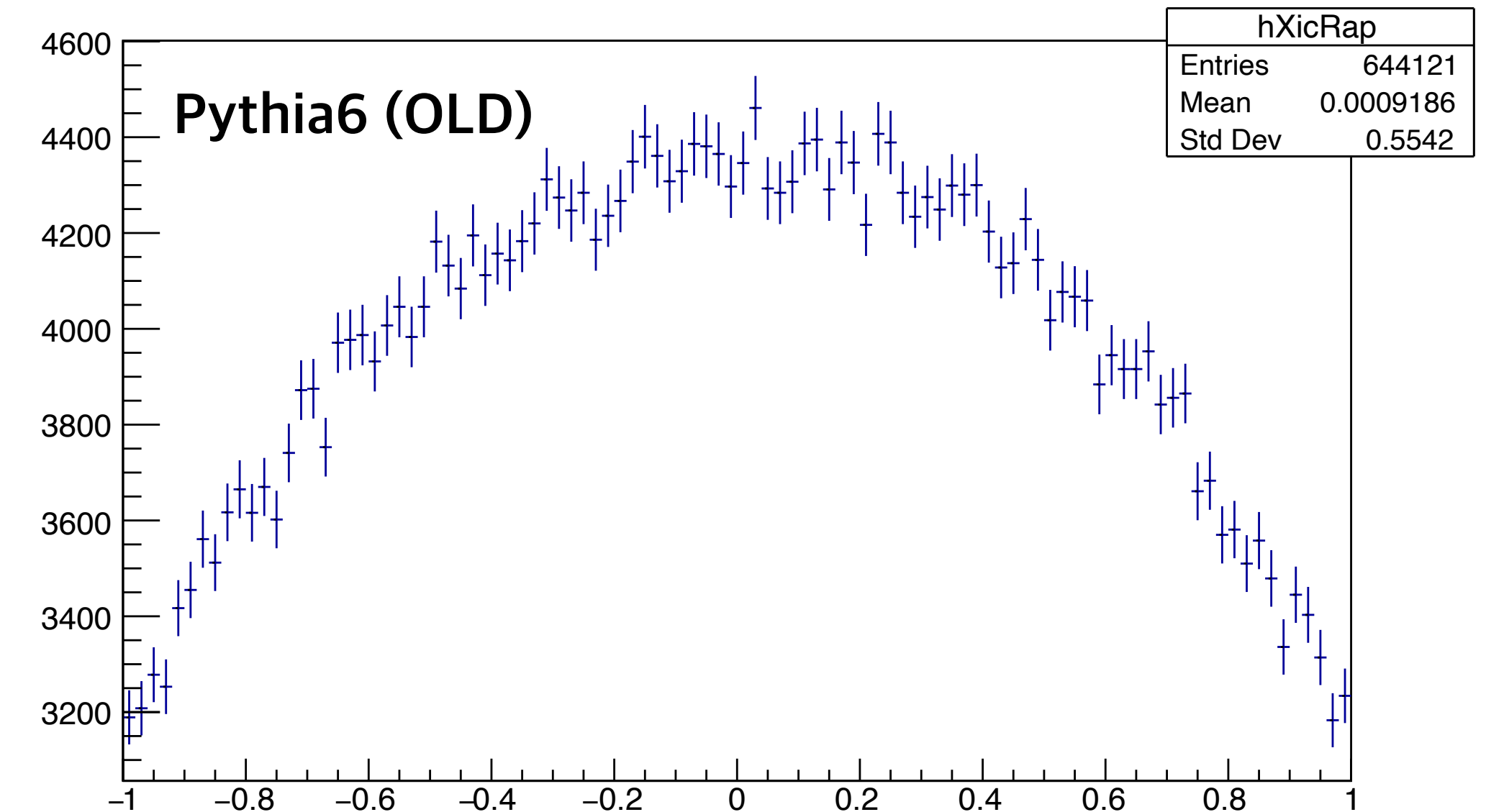
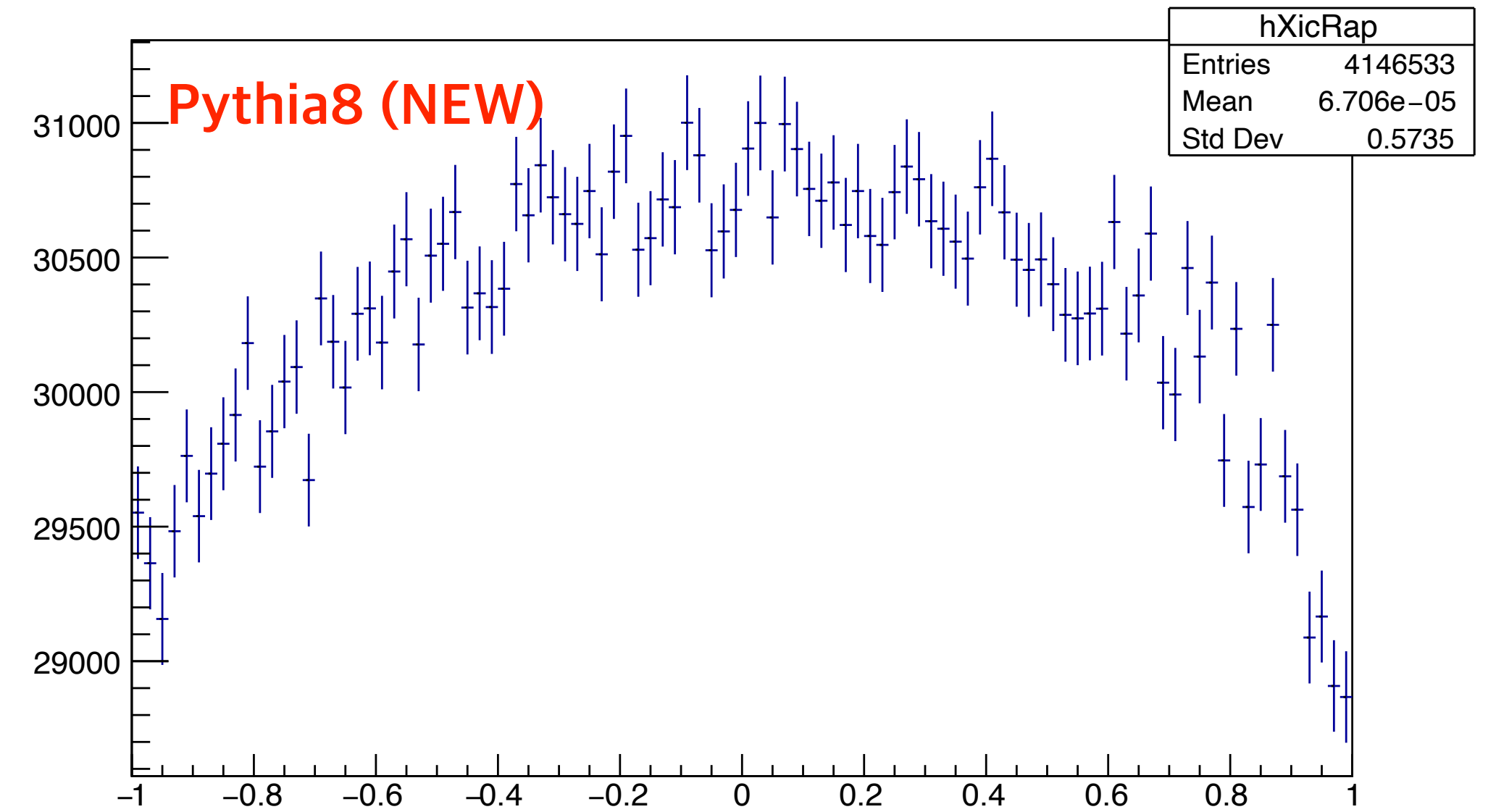
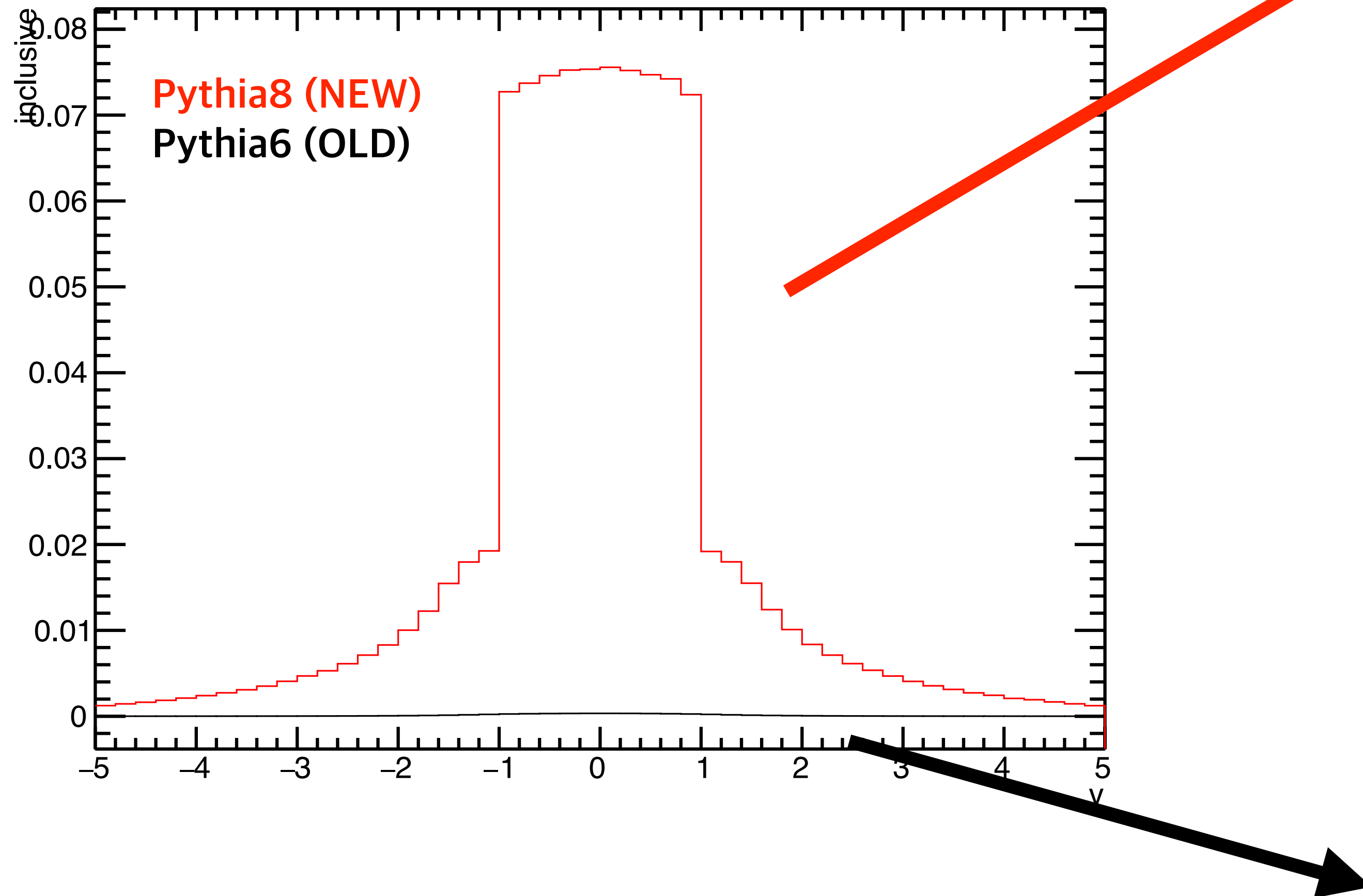
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Inha University*

2020.11.26

- MC QA

• Xic0 Rapidity distribution

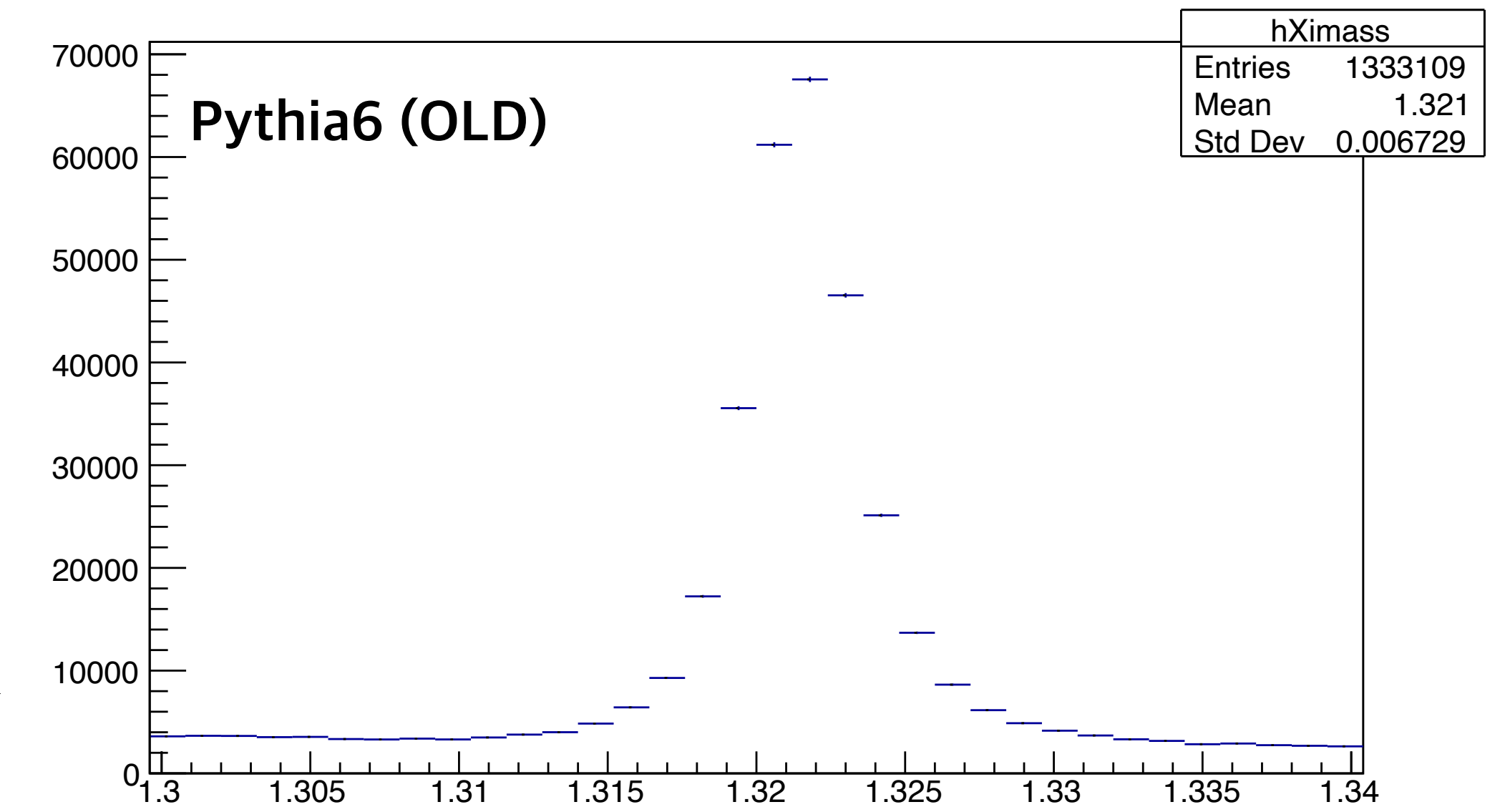
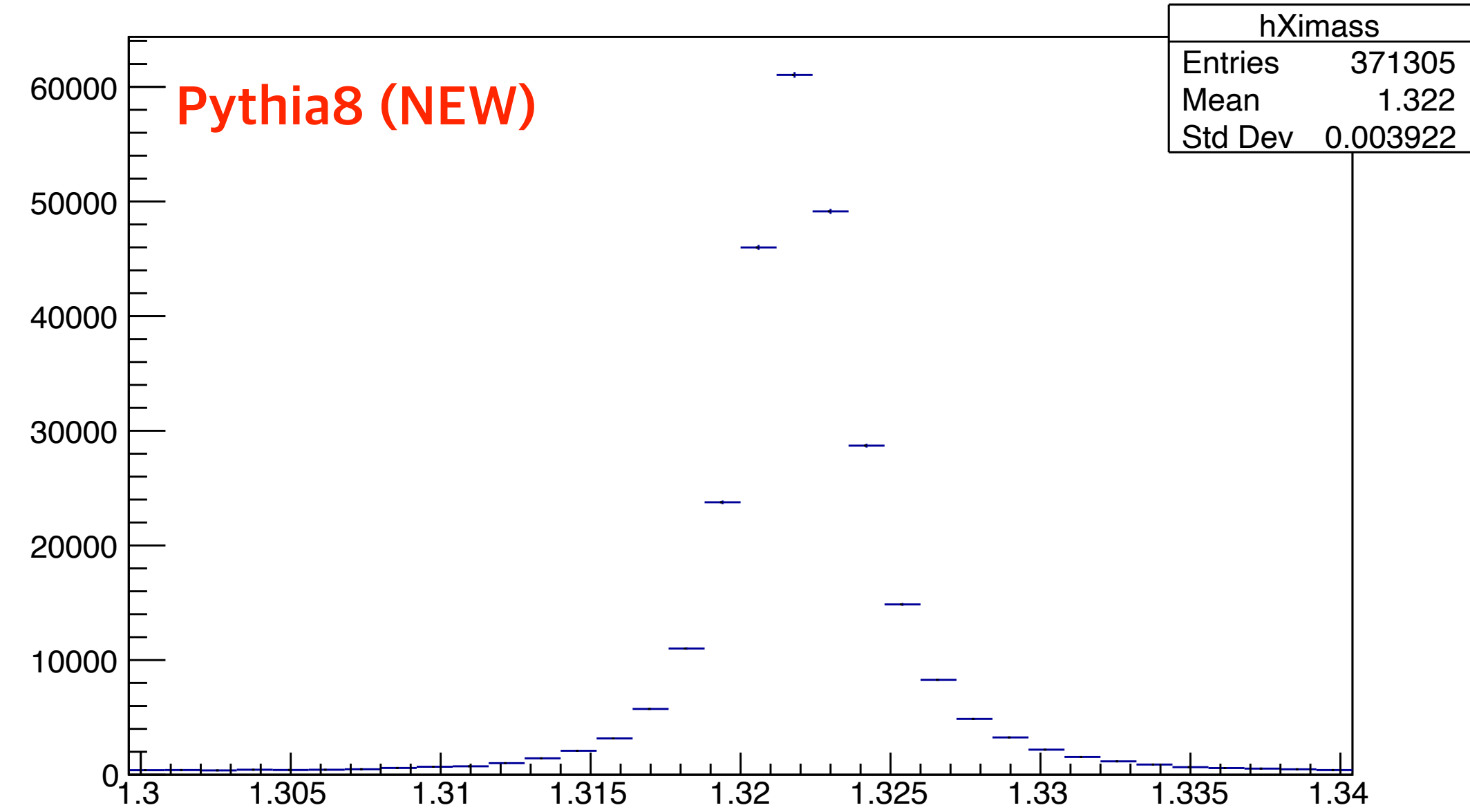
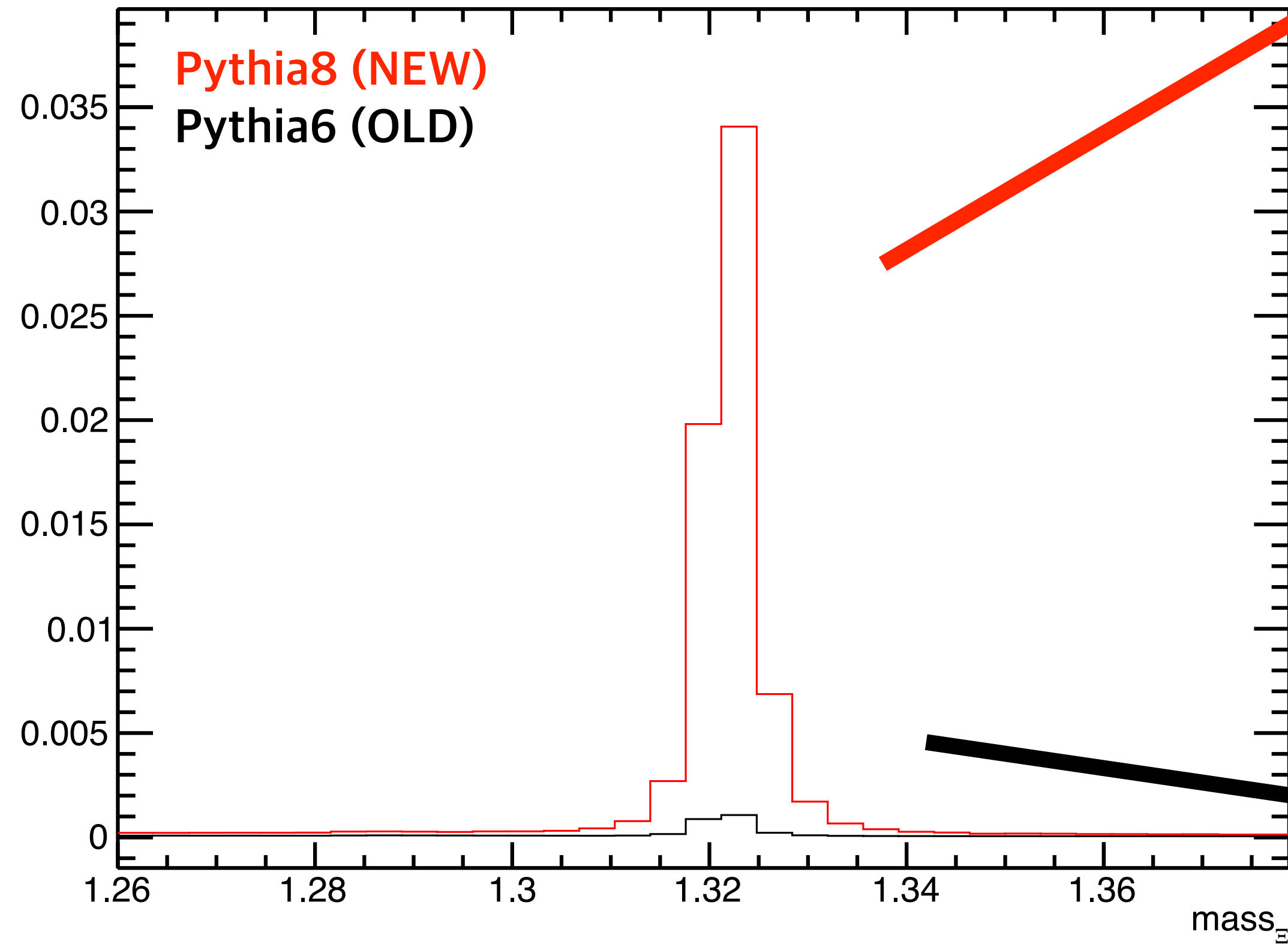
- ~200 times more statistics per event
- Non flat distribution in both old and new MC



- MC QA

• Xi Mass distribution

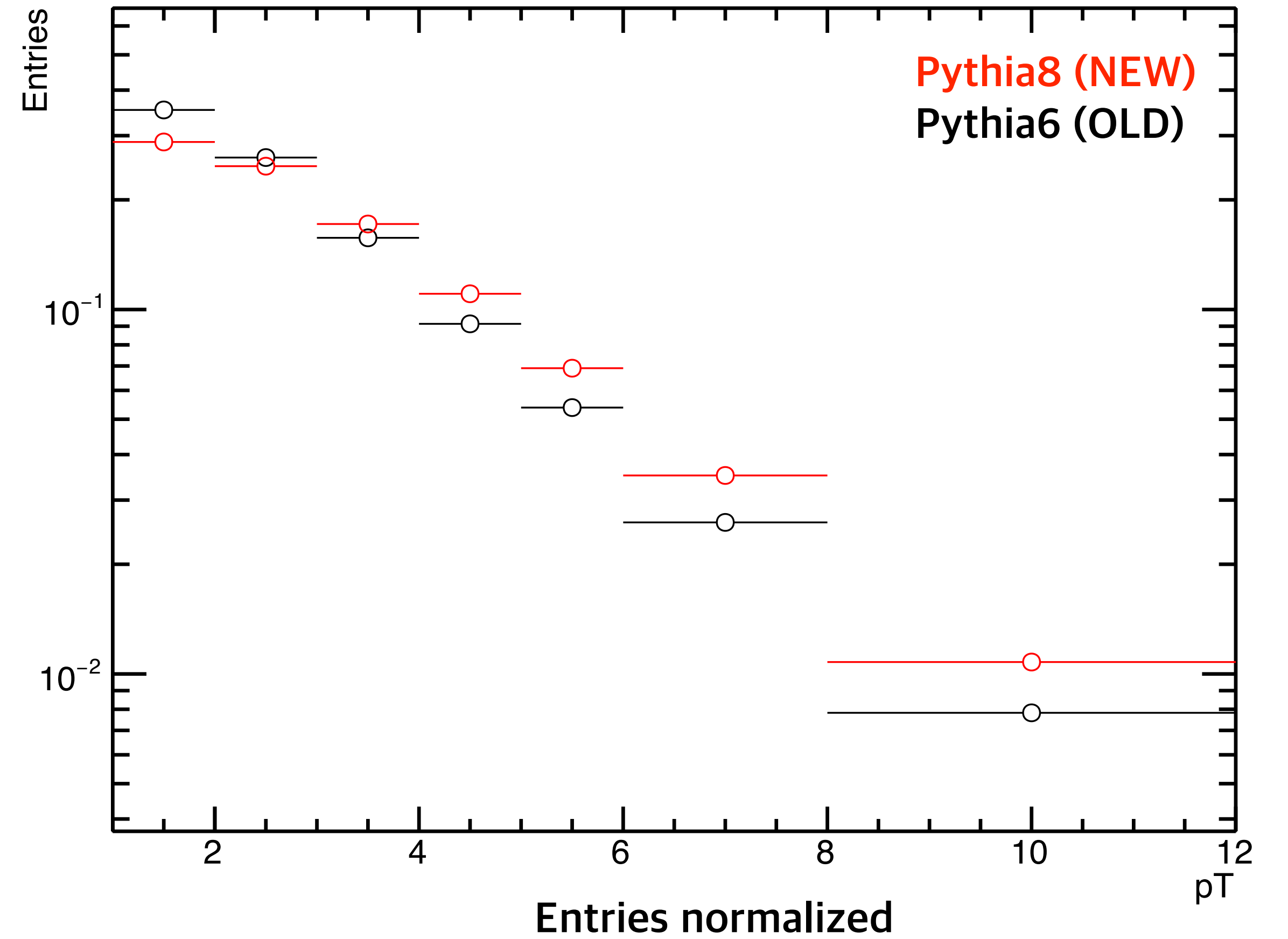
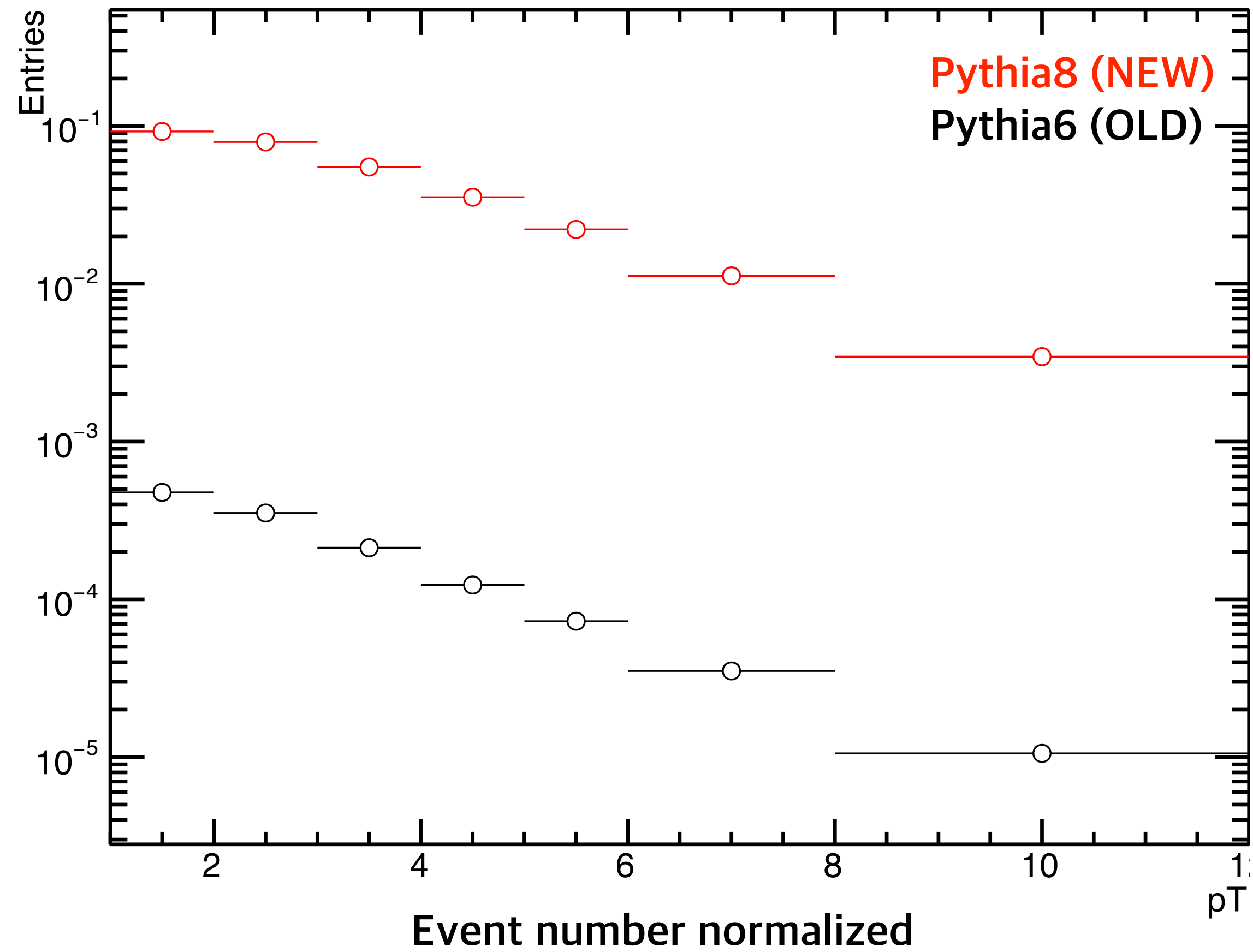
- Mean value of mass distribution : new MC is slightly shifted.
- Old : 1.321 MeV
- New : 1.322 MeV



- MC QA

- Generated Xic spectrum

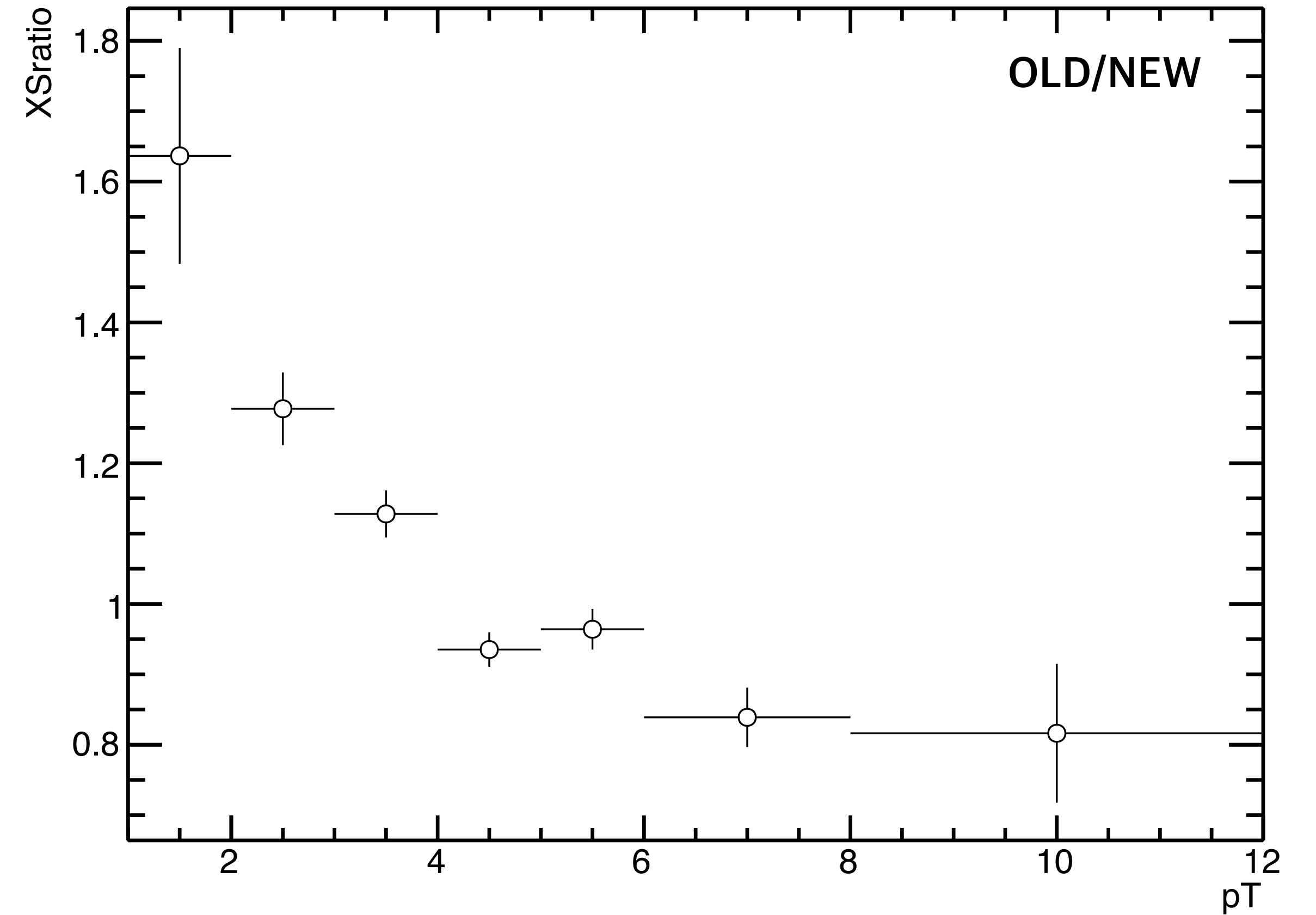
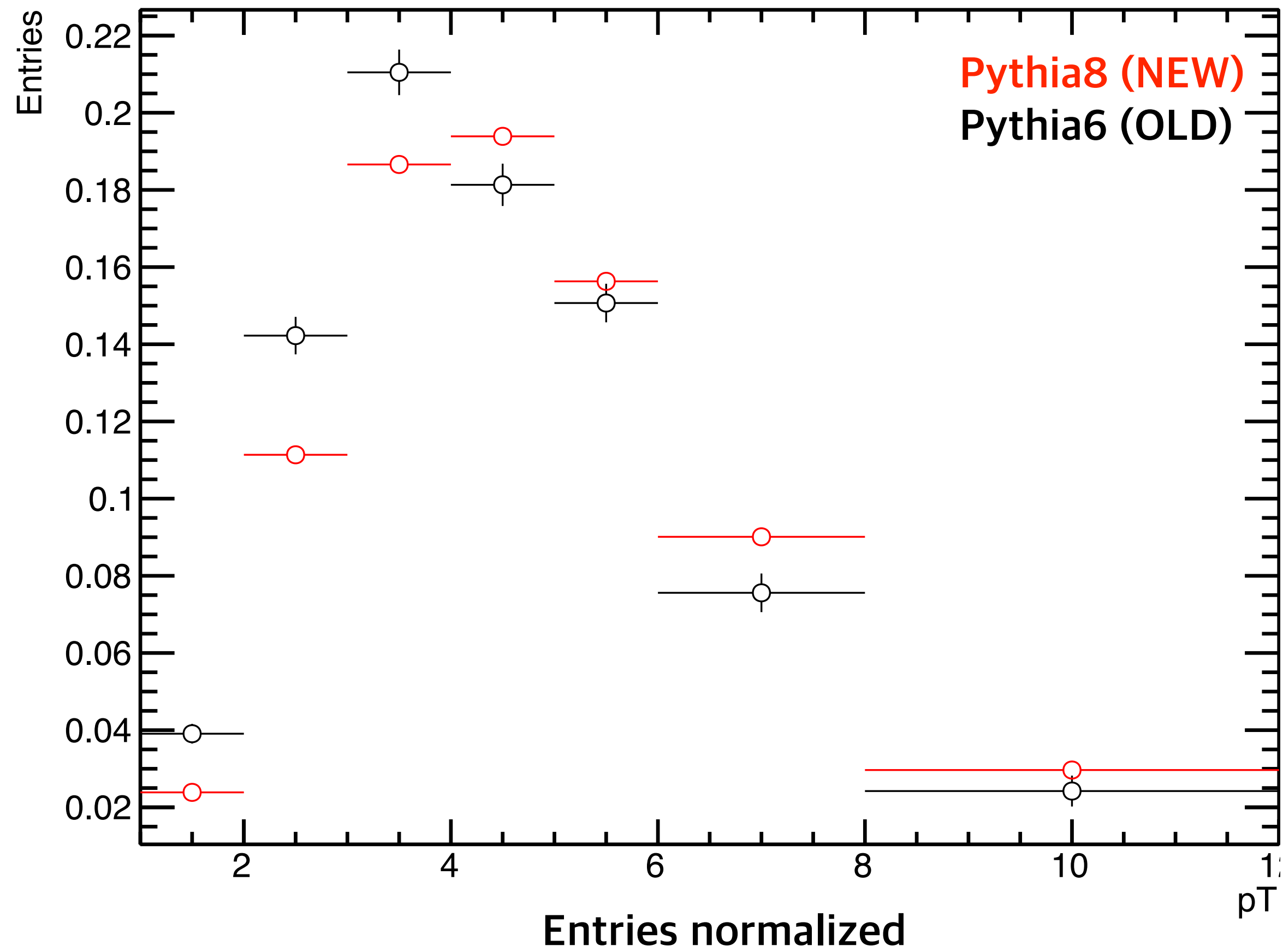
- New Xic spectrum is harder than old one.



- MC QA

• Reconstructed Xic spectrum

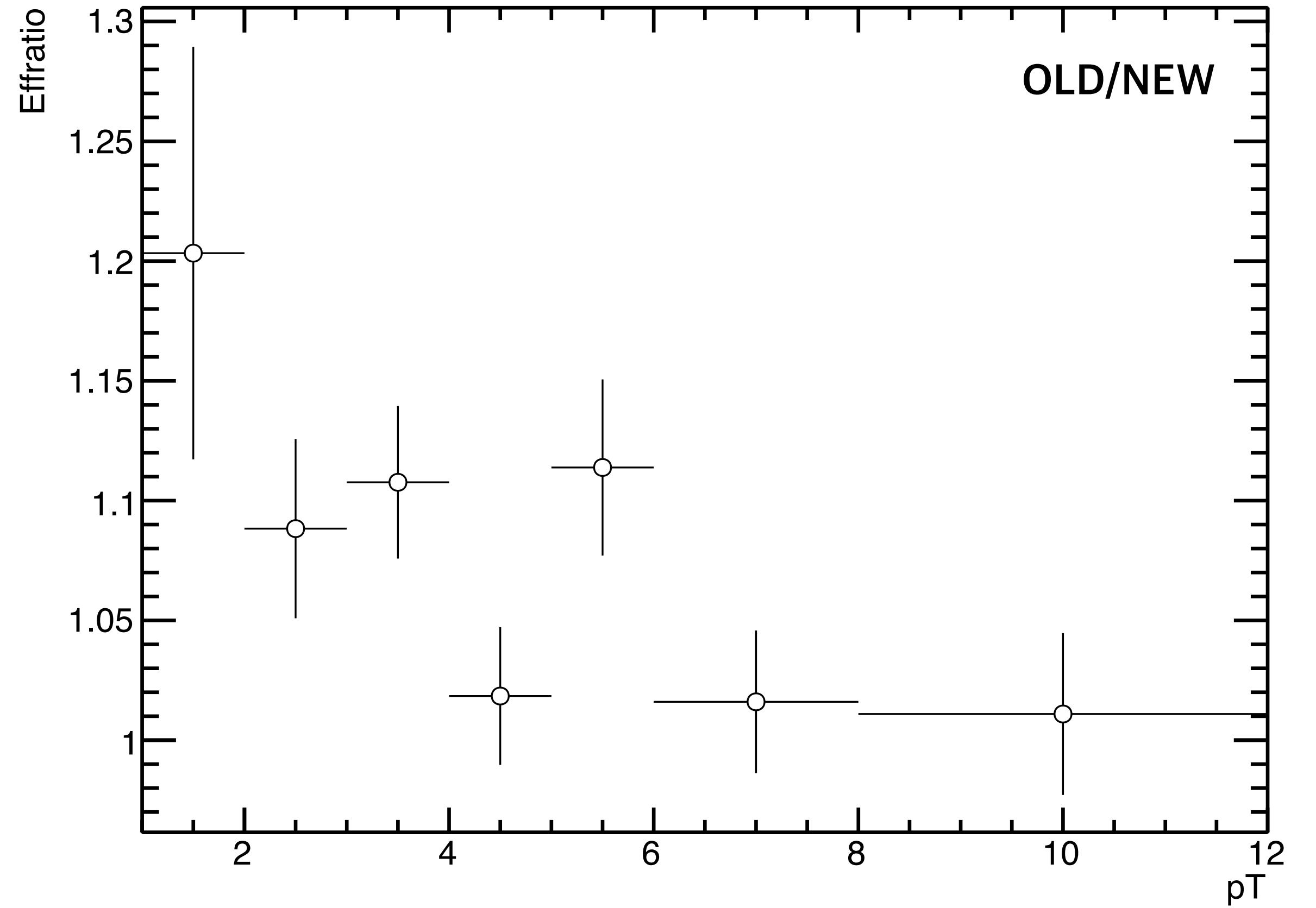
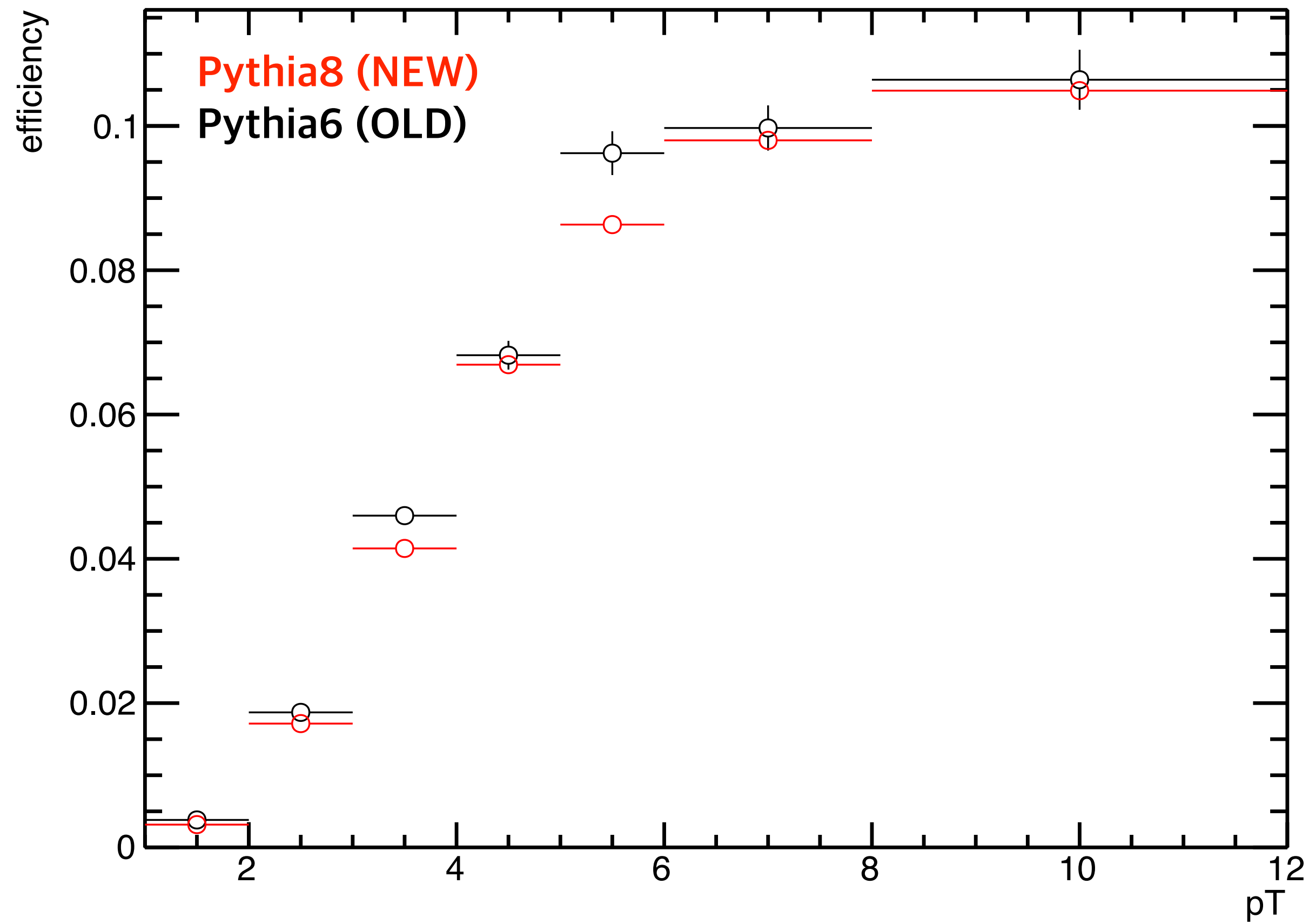
- New Xic spectrum is harder than old one.



- MC QA

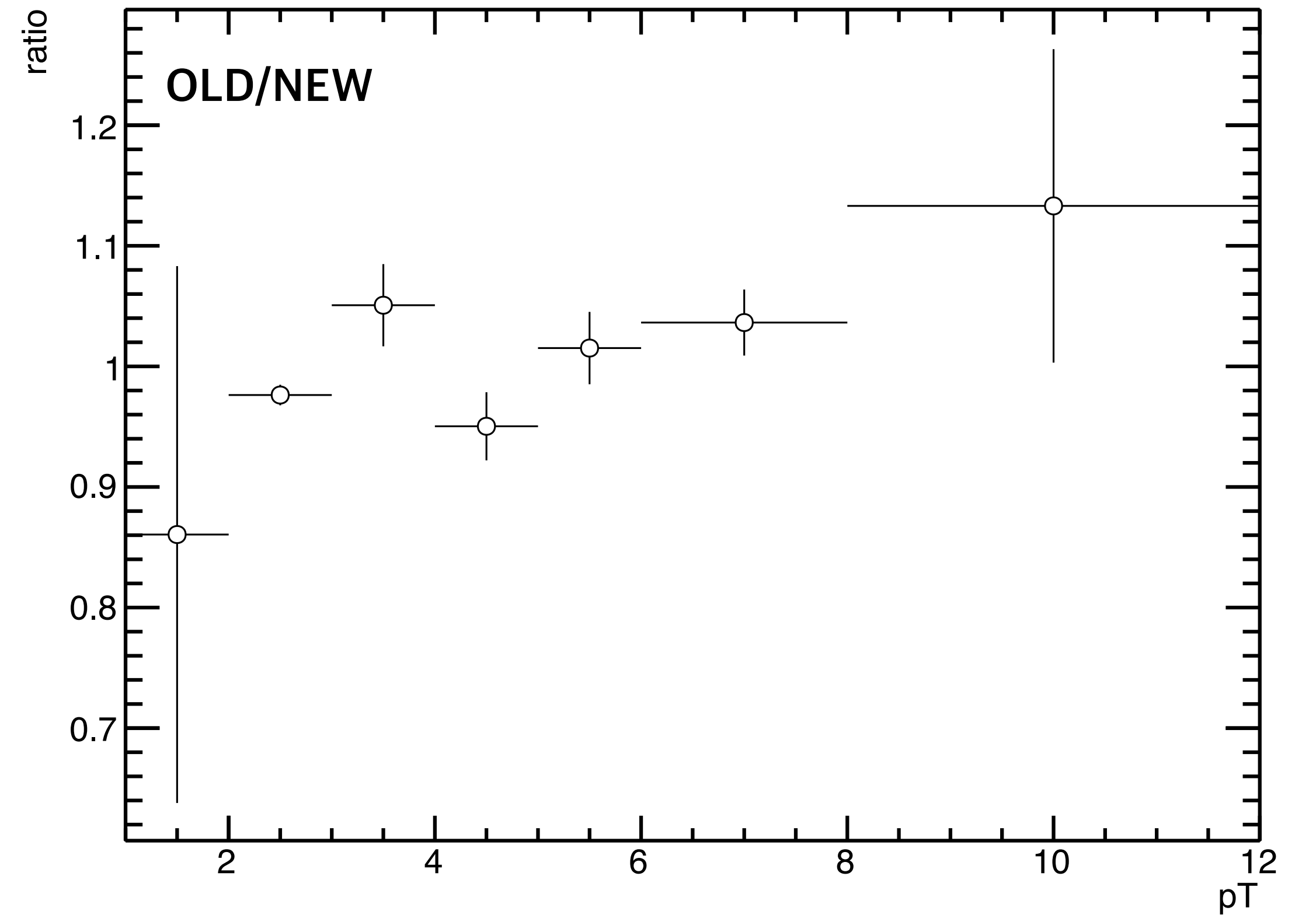
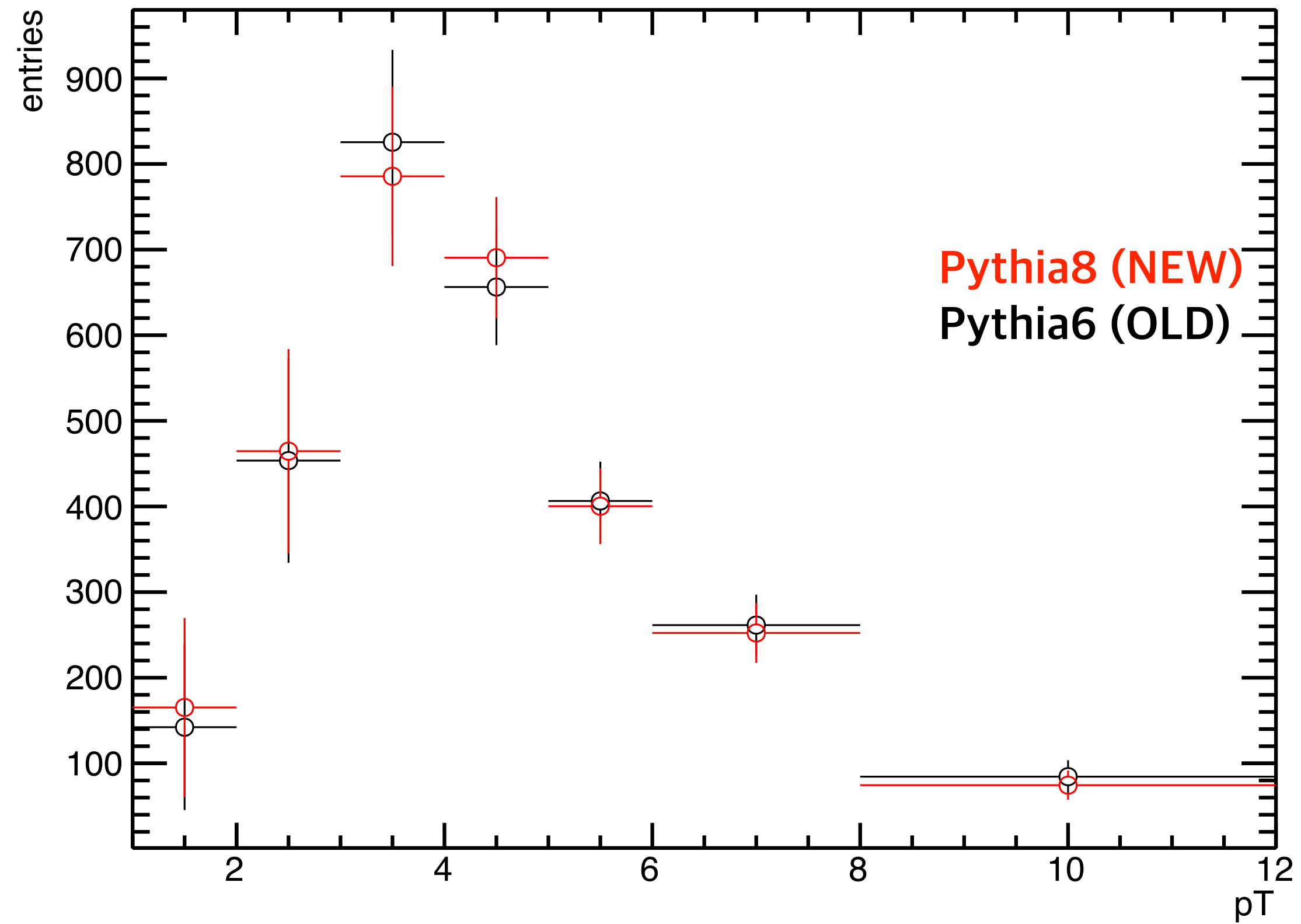
• Efficiency

- Unweighted efficiency



- MC QA

- Unfolded spectrum
 - Unweighted unfolded spectrum



Back up
