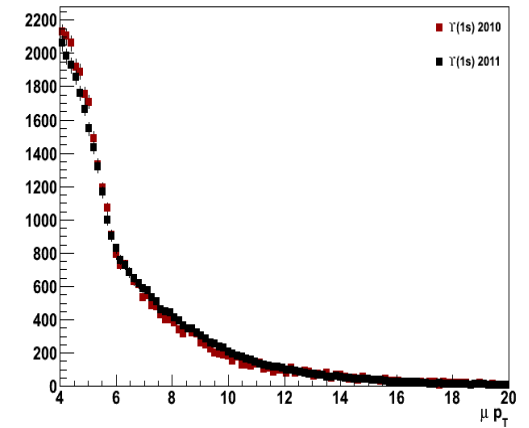
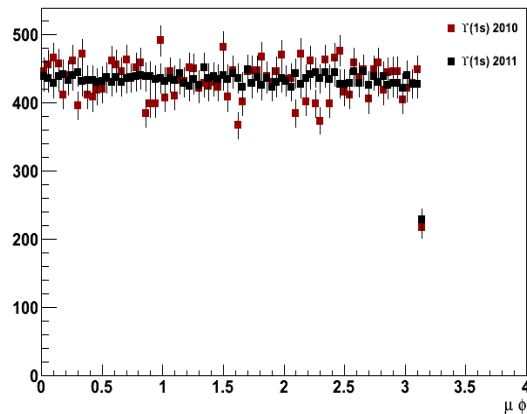
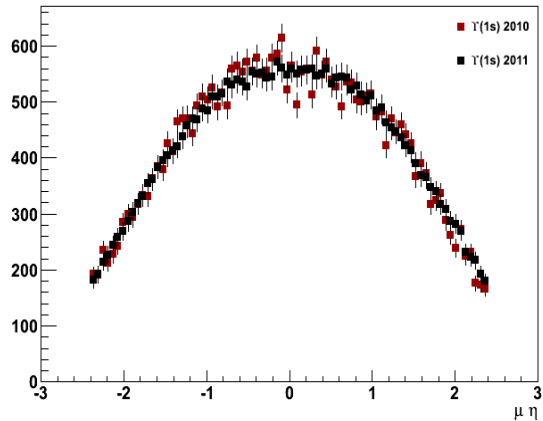
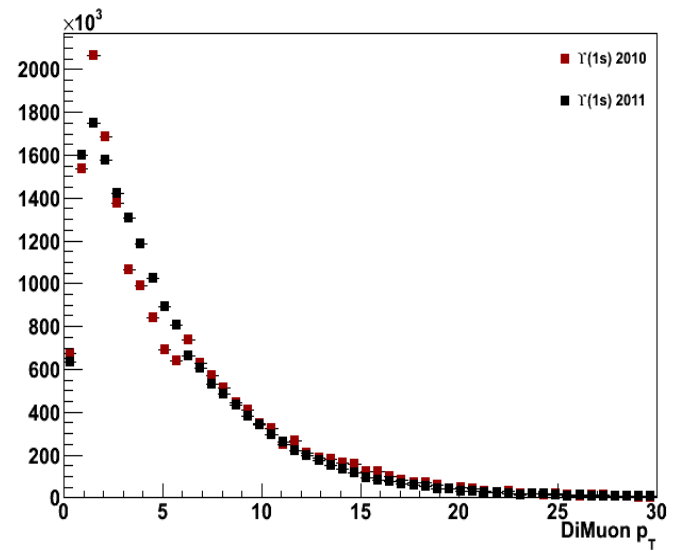
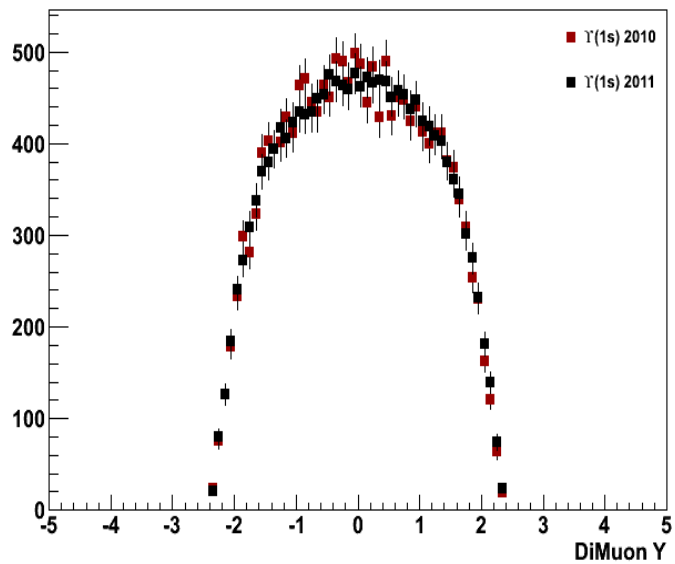


Upsilon (1s) MC Comparison

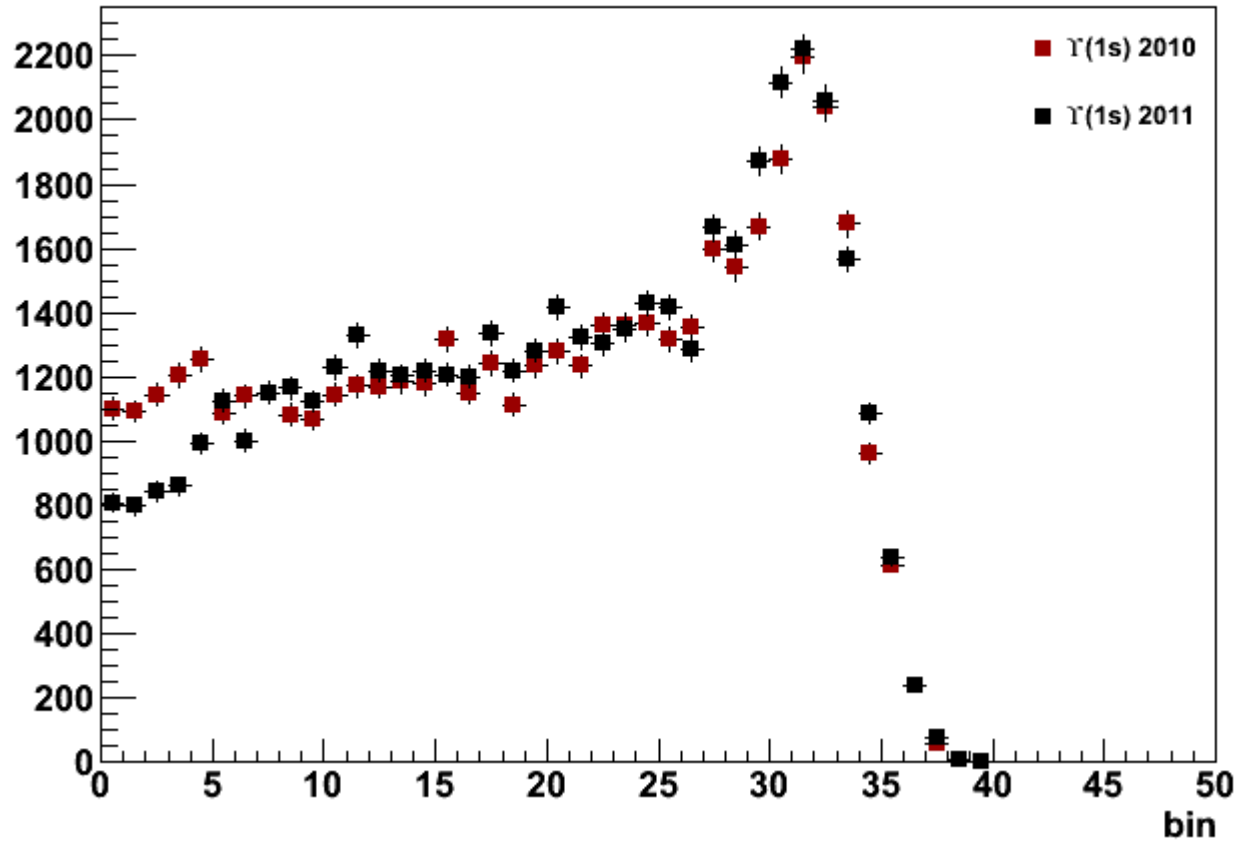
- Compare Up(1s) MC of 2010 and 2011
- Include all pT bins with proper weights
- Both MC matches well
- Distributions of daughter muons



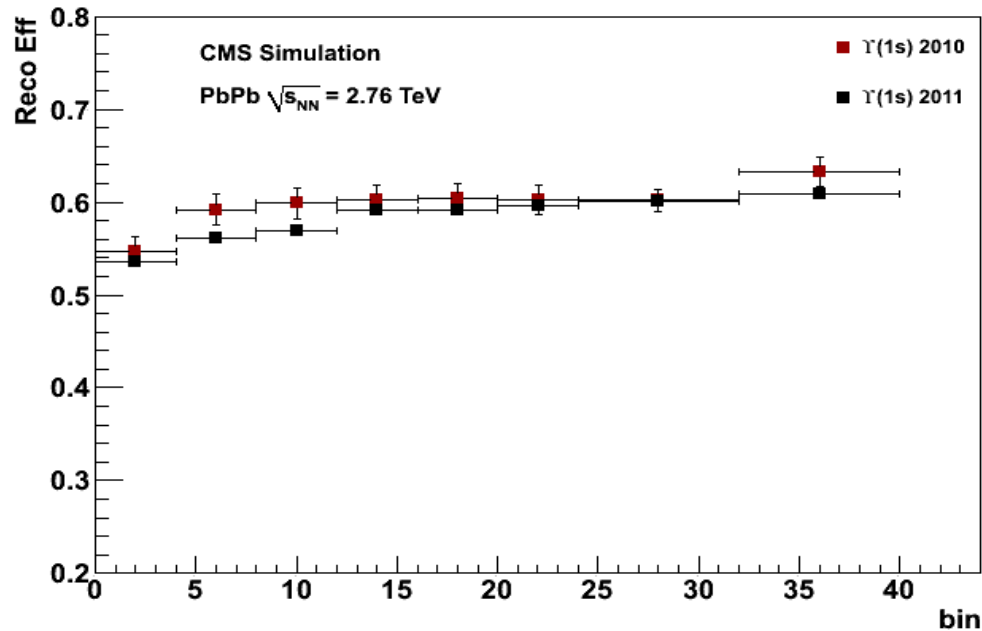
DiMuon Muon Kinematics



Centrality Distribution

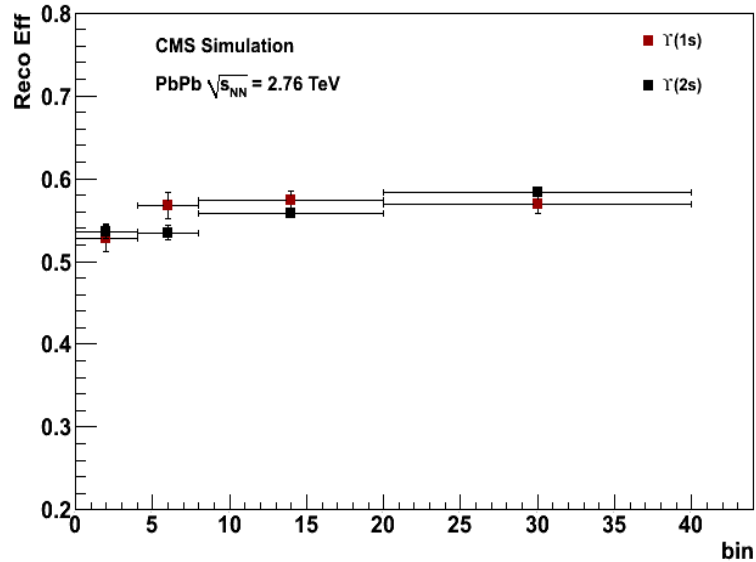


Efficiency Vs Cent



- Efficiency here is without trigger match because different triggers in 2010 and 2011.
- Eff with 2011 MC is a little lower than 2010 MC.

Efficiency Vs Cent of $\Upsilon(1s)$ and $\Upsilon(2s)$ MC 2010



ε for $\Upsilon(1s)$ and $\Upsilon(2s)$ embedded MB HYDJET

Centrality	$\Upsilon(1s)$	$\Upsilon(2s)$
[0 – 10%]	$52.7 \pm 0.1\%$	$53.6 \pm 0.09\%$
[10 – 20%]	$56.7 \pm 0.1\%$	$53.4 \pm 0.09\%$
[20 – 50%]	$57.4 \pm 0.1\%$	$55.7 \pm 0.05\%$
[50 – 100%]	$56.8 \pm 0.09\%$	$58.2 \pm 0.05\%$

➤ Eff with 2010 MC for Up(1s) and Up(2s)