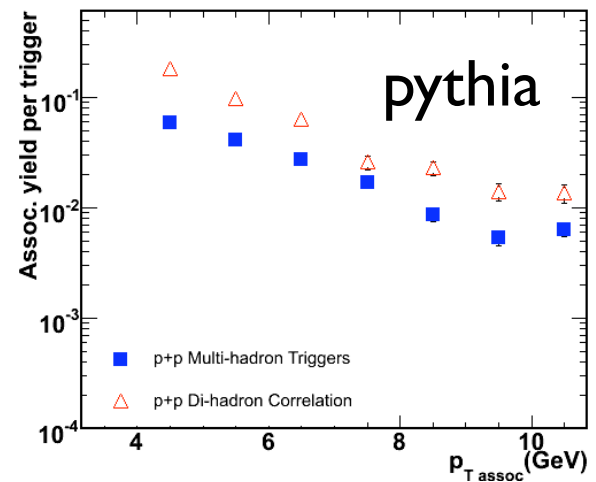
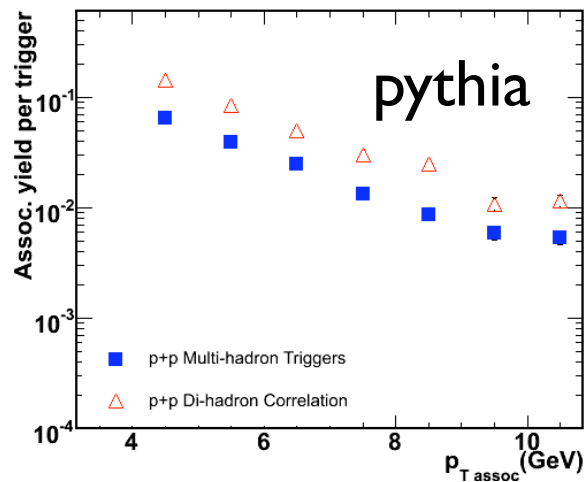
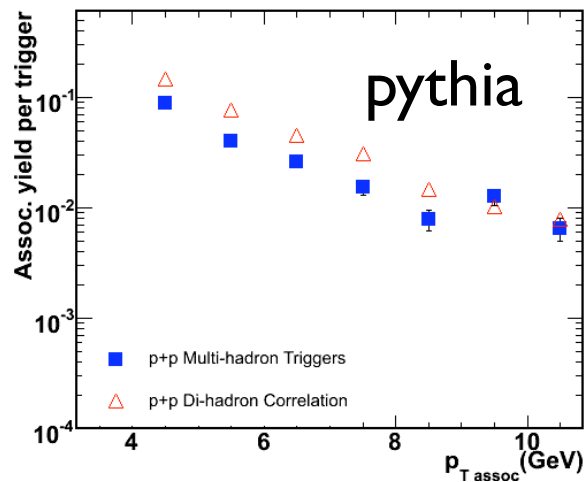
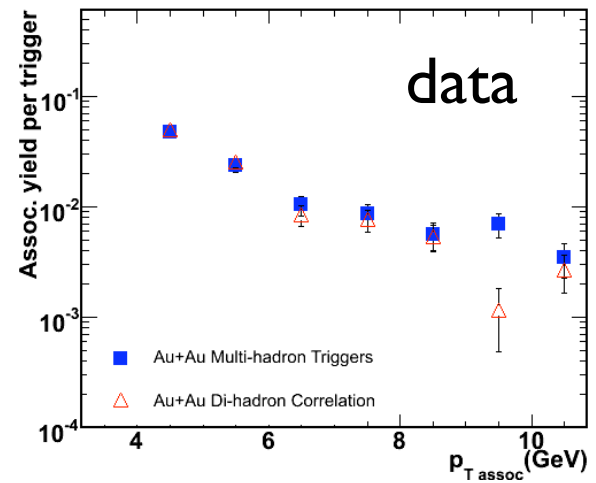
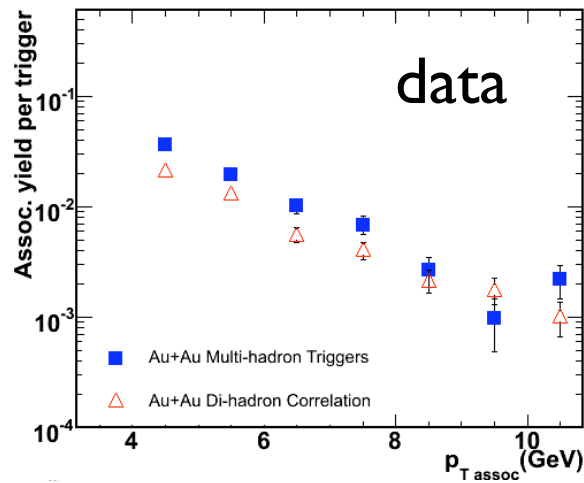
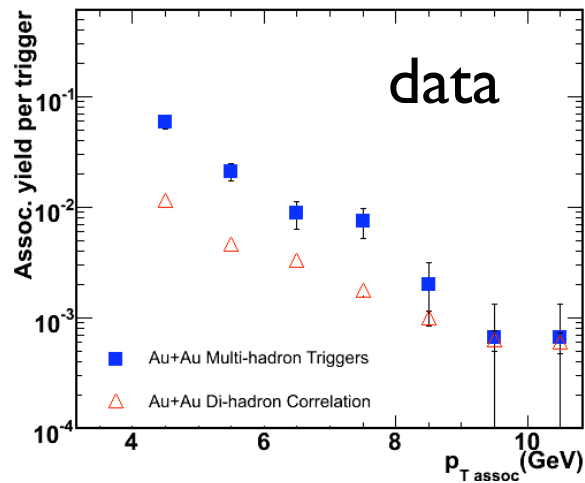


away side yields - min. secondary seed 4.0 - same scale

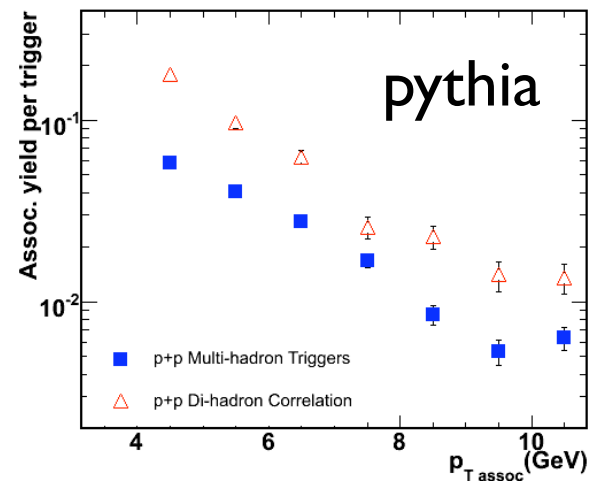
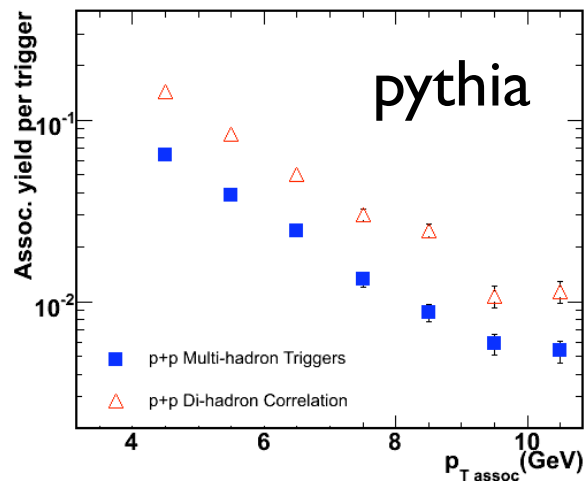
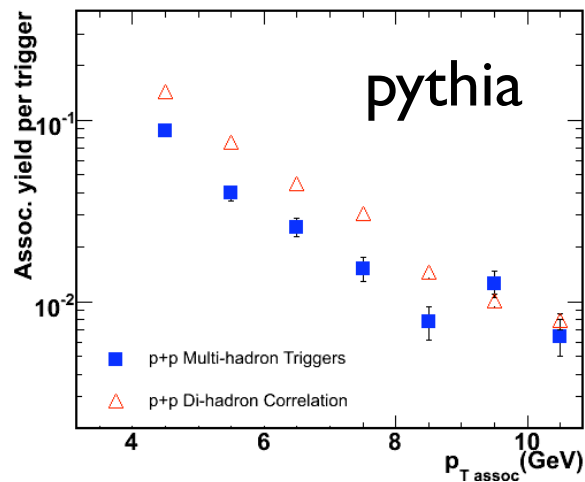
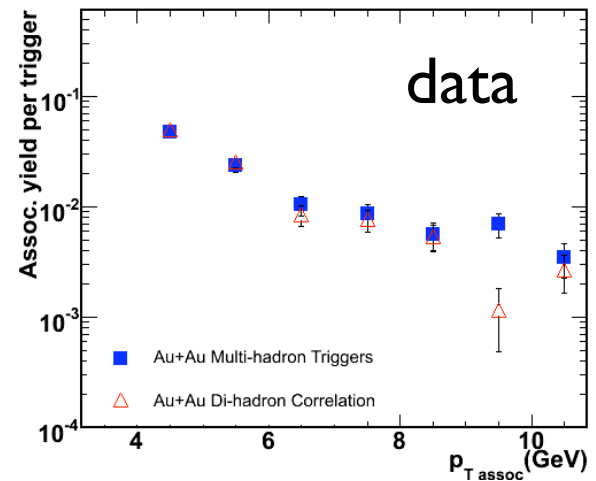
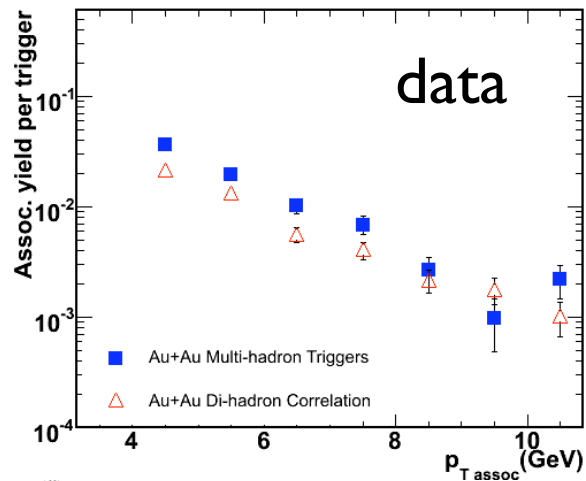
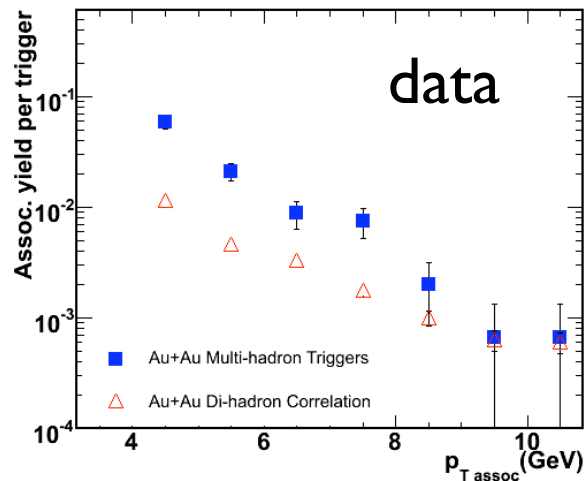


$p_{T \text{ (trig)}}$ - 8 to 10 GeV

$p_{T \text{ (trig)}}$ - 10 to 12 GeV

$p_{T \text{ (trig)}}$ - 12 to 15 GeV

away side yields - min. secondary seed 4.0 - pythia zoom

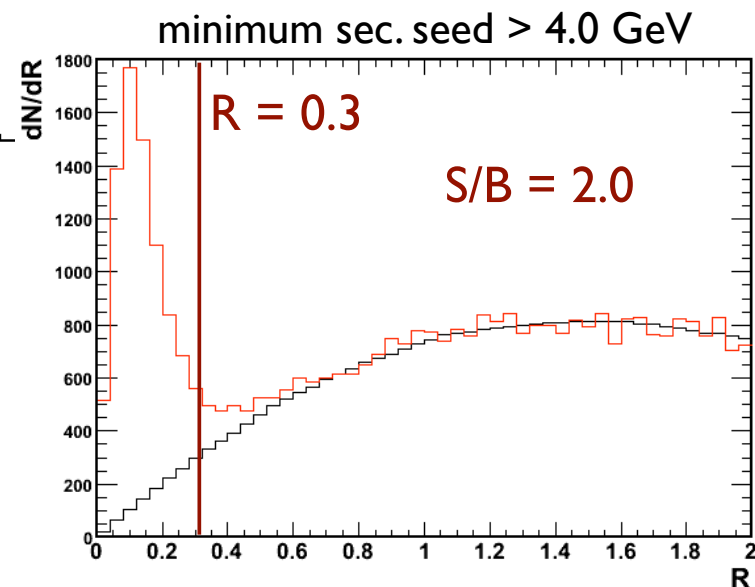
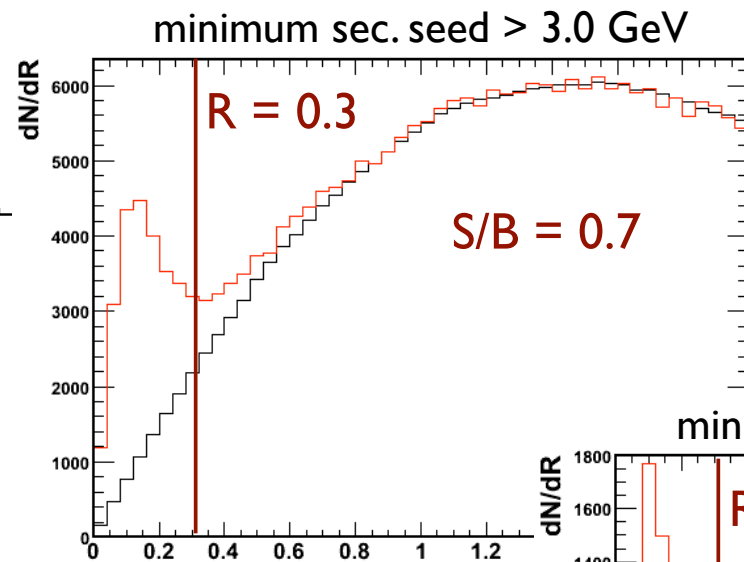
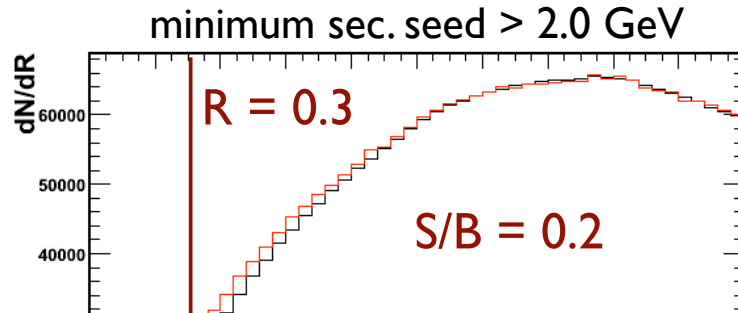
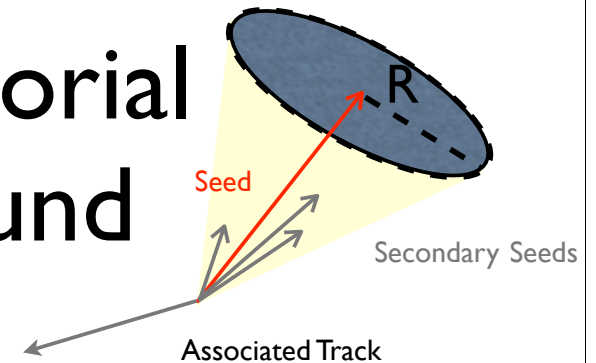


$p_{T \text{ (trig)}}$ - 8 to 10 GeV

$p_{T \text{ (trig)}}$ - 10 to 12 GeV

$p_{T \text{ (trig)}}$ - 12 to 15 GeV

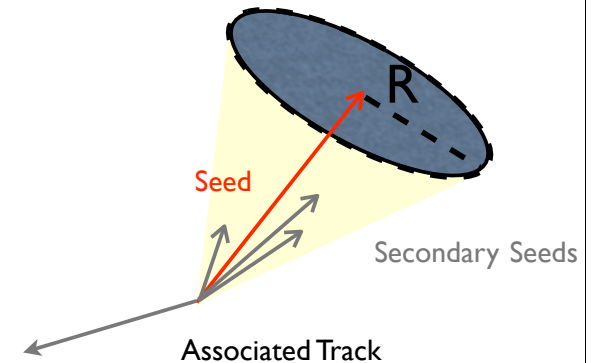
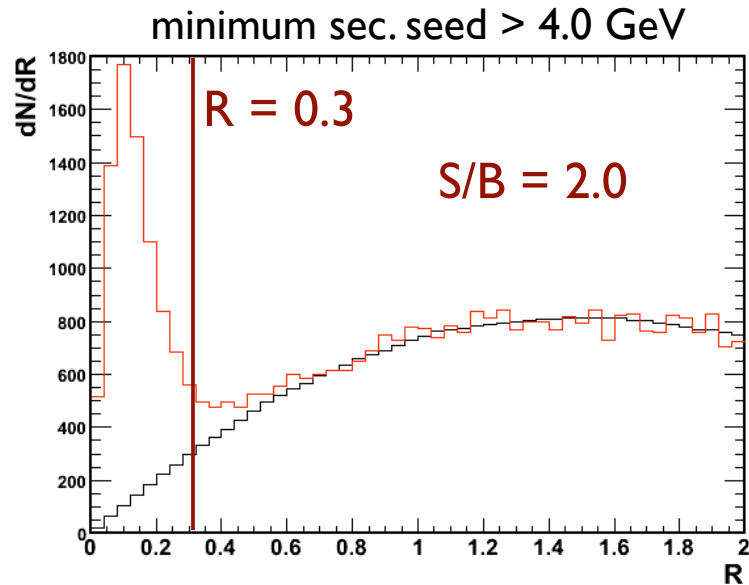
Combinatorial Background



- red = signal
- black = untriggered background

- R is defined between the multi-hadron trigger and associated track
- for background estimate, R is defined between a multi-hadron trigger and associated track from another event

Background Subtraction



- red = signal
- black = untriggered background

- R is defined between the multi-hadron trigger and associated track
- for background estimate, R is defined between a multi-hadron trigger and associated track from another event

$$\frac{dN}{d\phi_{\text{signal}}} = \left(\frac{1}{1 - F_{\text{bkg}}} \right) \left(\frac{dN}{d\phi_{\text{inclusive}}} - F_{\text{bkg}} \left(\frac{dN}{d\phi_{\text{random}}} \right) \right)$$

F_{bkg} = integral of background (black) / integral of data (red)
 = 0.345