Razor Dijet Trigger Design

L1 HTT* or SingleJet* or DoubleJetC* or QuadJetC*

Calo jet sequence

2 calo jets, p_T > (70,60) Calo MET sequence

Calo $R^2 > 0.02$, $M_R > 100$, $(M_R + 300)(R^2 + 0.25) > 200$

PF jet sequence

2 PF jets, $p_T > 80$

PF MET producer

PF $R^2 > 0.09$, $M_R > 200$, $(M_R + 300)(R^2 + 0.25) > 240$



Razor Quadjet Trigger Design

L1 HTT* or SingleJet* or DoubleJetC* or QuadJetC*

Calo jet sequence

4 calo jets, p_T>(40,40,30,30) Calo MET sequence

Calo $R^2 > 0.02$, $M_R > 100$, $(M_R + 300)(R^2 + 0.25) > 200$

PF jet sequence

4 PF jets, p_T>(50,50,40,40) PF MET producer

PF $R^2 > 0.09$, $M_R > 200$, $(M_R + 300)(R^2 + 0.25) > 240$



High-R² Trigger Design

L1 HTT* or SingleJet* Calo MET Calo Calo jet 2 calo jets, or DoubleJetC* $R^2 > 0.16$ sequence $p_T > (70,60)$ sequence or QuadJetC* PF MET PF PF jet 2 PF jets, $R^2 > 0.25$ $p_{T} > 80$ producer sequence



Razor H→bb Trigger Design



