

pT Scan for finding limits using VLCR10_inclusive jets

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n_lep=0, n_jets>=2, pT cut only on leading jet, COM Energy = 6TeV

Limits on T1

pT cut on leading jet (GeV)	95% CL limits (TeV ⁻¹)
100	[-0.0028, 0.00203]
200	[-0.0048, 0.00281]
300	[-0.57, 0.00386]
400	[-0.045, -0.0133]

Total efficiency

Cuts ->	pT>100	pT>200	pT>300	pT>400
SM_EFT	30.38	18.83	11.76	7.49
INT_T1_12	55.2	55.02	54.66	54.15
QUAD_T1_12	55.11	54.94	54.58	54.1
ggwpwm	16	5.87	2.37	0.96
wpwmz_ztonunu	32.86	31.26	30.02	28.69
wzmunu	26.61	14.82	8.14	4.53
zzmumu	9.03	4.81	2.49	1.31

Efficiency

Process/Efficiency->	N_lep=0	N_jet>=2
SM_EFT	65.86	64.79
INT_T1_12	60.22	91.79
QUAD_T1_12	60.19	91.69
ggwpwm	63.15	66.72
wpwmz_ztonunu	72.77	49.11
wzmunu	62.03	64.19
zzmumu	25.88	50.85

Efficiency of pT cut on first leading jet

Cuts ->	pT>100	pT>200	pT>300	pT>400
SM_EFT	71.2	44.13	27.55	17.54
INT_T1_12	99.86	99.54	98.89	97.97
QUAD_T1_12	99.87	99.55	98.91	98.03
ggwpwm	37.98	13.93	5.61	2.29
wpwmz_ztonunu	91.94	87.48	84	80.29
wzmunu	66.85	37.22	20.46	11.39
zzmumu	68.65	36.52	18.9	9.93

SM plots

