All samples used are generated with Pythia "MC8_Pythia_Common.py" (10 TeV).
The setting of the lower Pt limit parameter is ckin[3]= 18. GeV. This has been proved by the QCD sample studies to be in a fairly x-section*efficiency flat region.
The event generator job transform parameter used are:

- run number 105046 for the QCD sample;
- run number 105204 for the ttbar all hadronic sample.

The latter means that the ttbar meta-data cross-section has to be multiplied by the all-hadronic BR (44%). In fact all W from top in the event are made decaying to quarks by pythia.
The effective number of events simulated is:

- 1000000 events /sample for QCD;
- 10000 events/sample for ttbar.

	efficiency	*sigma Pythia*	*eff. * sigma*	*S/B*
5J10_4J35_3J45_J60 ttbar	5.46 10^-1	0.230 * 0.44 nb	5.5 10^-2 nb	**3.7* 10^-4**
5J10_4J35_3J45_J60 QCD	2 10^-4	751619 nb	1.5 10^2 nb	
4J35_3J45_2J50_J60 ttbar	5.5 10^-1	0.228 * 0.44 nb	5.5 10^-2 nb	**3.3 * 10^-4**
4J35_3J45_2J50_J60 QCD	2.2 10^-4	751978 nb	1.7 10^ 2 nb	
4J45_J60 ttbar	4.1 10^-1	0.231 * 0.44 nb	4.1 10^-2 nb	**5.5 * 10^-4**
4J45_J60 QCD	1.0 10^-4	751305	7.5 10^ 1 nb	
4J17_3J35 ttbar	8.22 10^-1	0.230 * 0.44 nb	8.4 10^-2 nb	**7.5* 10^-5**
4J17_3J35 QCD	1.45 10^-3	751682 nb	1.1 10^3 nb	
5J17_3J35 ttbar	7.29 10^-1	0.230 * 0.44 nb	7.4 10^2 nb	**1.5* 10^-4**
5J17_3J35 QCD	6.47 10^-4	751682 nb	4.87 10^2 nb	
1J100 ttbar	5.46 10^-1	0.230 * 0.44 nb	5.5 10^-2 nb	**5.7* 10^-5**
1J100 QCD	1.34 10^-3	751619 nb	1 10^3 nb	
6J30 ttbar	2.5 10^-1	0.230 * 0.44 nb	2.5 10^-2 nb	**1.2 * 10^-3**
6J30 QCD	2.6 10^-5	751716 nb	20 nb	
6J35 ttbar	1.6 10^-1	0.232 * 0.44 nb	1.7 10^-2 nb	**1.9 * 10^-3**
6J35 QCD	1.2 10^-5	752344 nb	9 nb	
6J40 ttbar	1 10^-1	0.230 * 0.44 nb	1.1 10^-2 nb	**3.0 * 10^-3**
6J40 QCD	5 10^-6	752412 nb	3.8 nb	
6J45 ttbar	7.2 10^-2	0.231 * 0.44 nb	7.5 10^-3 nb	**4.9 * 10^-3**
6J45 QCD	2.1 10^-6	751994 nb	1.6 nb	
6J204J40 ttbar	3.74 10^-1	0.230 * 0.44 nb	3.8 10^-2 nb	**1.1* 10^-3**
6J204J40 QCD	5 10^-5	752050 nb	3.76 10^1 nb	