

Table 1: JES percent  $\Delta$  Acceptance in High Mass control region

<b>samples</b>	<b>enujj</b>	<b>munujj</b>
herwig.ww	9.45	11.81
herwig.wz	7.11	9.05
herwig.zz	14.44	10.59
herwig.vv	8.93	11.10
mcatnlo.ttbar	4.78	7.30
mcatnlo.top	5.16	7.54
mcatnlo.singletop	8.37	9.41
alpgen.wjets	10.99	10.75
alpgen.zjets	18.04	9.08
qcd.alpgen	-	-
rsg.m500.kmpl0_1	9.78	12.20
rsg.m750.kmpl0_1	2.57	2.30
rsg.m1000.kmpl0_1	2.88	2.03
rsg.m1250.kmpl0_1	5.30	3.47
rsg.m1500.kmpl0_1	4.33	4.07
wprime.wz.m500	10.44	11.49
wprime.wz.m600	2.57	4.37
wprime.wz.m700	1.44	1.83
wprime.wz.m800	0.81	0.12
wprime.wz.m900	0.83	0.58
wprime.wz.m1000	0.71	0.33
wprime.wz.m1100	0.67	0.68
wprime.wz.m1200	0.42	1.16
wprime.wz.m1300	1.46	0.89
wprime.wz.m1400	1.70	3.30
wprime.wz.m1500	1.49	2.42
afii.kkg.lvjj.m500	9.61	13.79
afii.kkg.lvjj.m600	4.12	5.12
afii.kkg.lvjj.m700	2.83	2.63
afii.kkg.lvjj.m800	2.54	3.06
afii.kkg.lvjj.m900	3.37	2.79
afii.kkg.lvjj.m1000	3.31	2.72
afii.kkg.lvjj.m1100	4.90	3.71
afii.kkg.lvjj.m1200	3.65	4.11
afii.kkg.lvjj.m1300	4.77	5.77
afii.kkg.lvjj.m1400	8.35	4.24
afii.kkg.lvjj.m1500	4.89	6.65

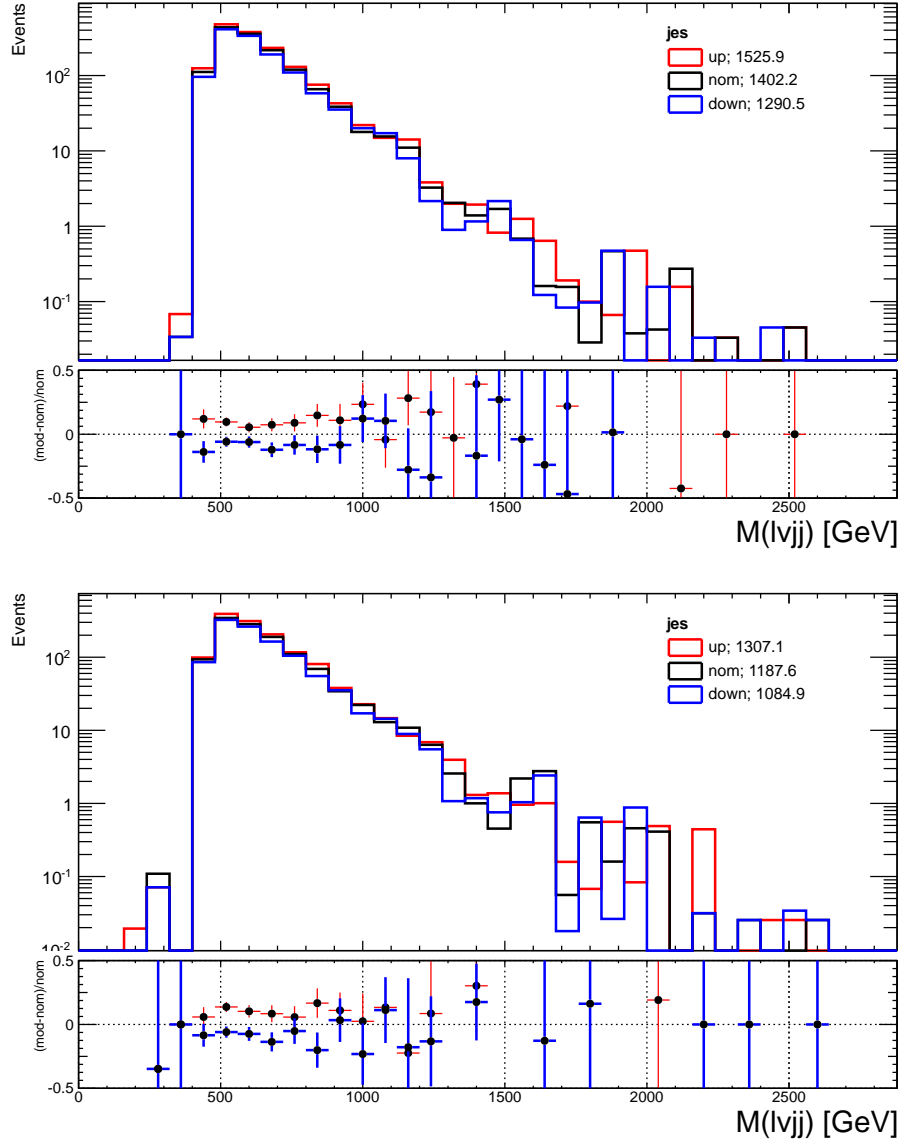


Figure 1: Transverse mass of the system for electron (top) and muon (bottom) channels

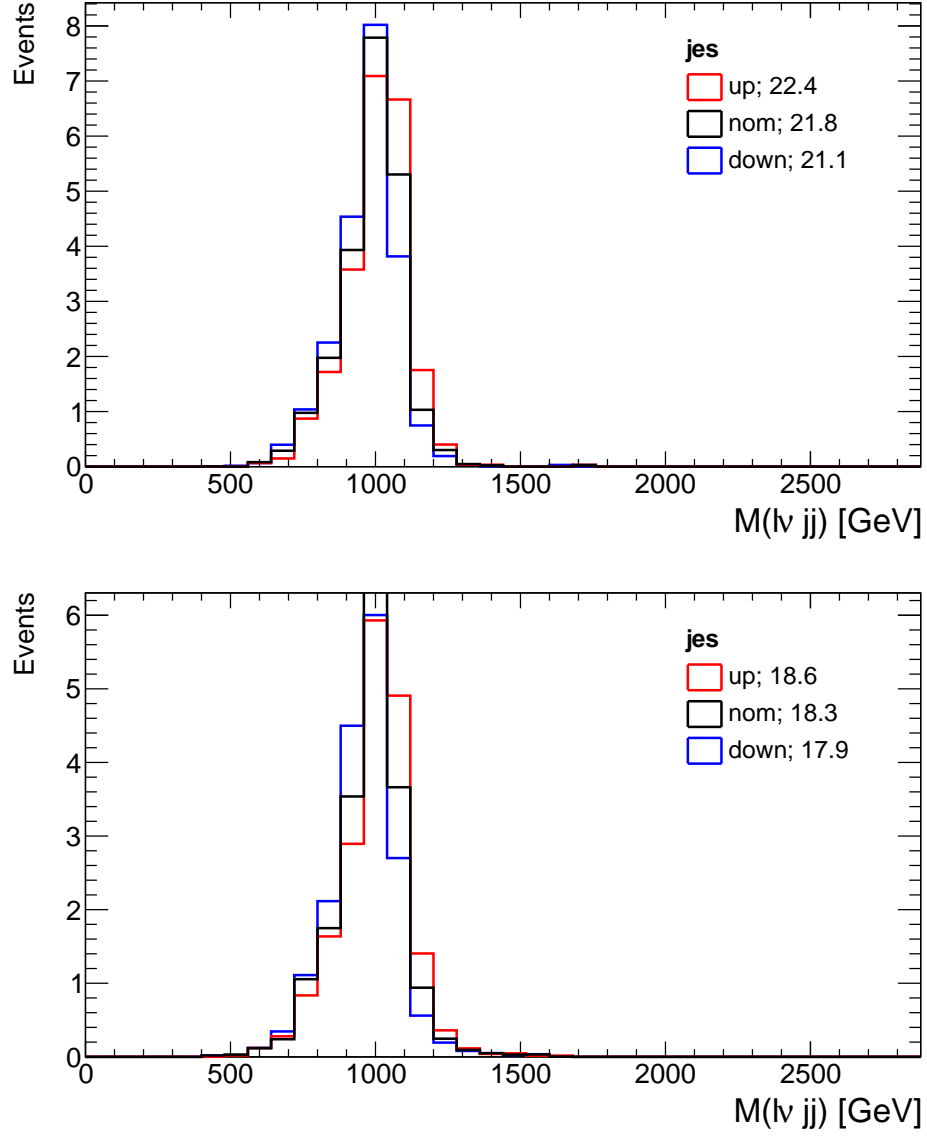


Figure 2:  $G^*$  ( $M=1000$ ) Transverse mass of the system for electron (top) and muon (bottom) channels

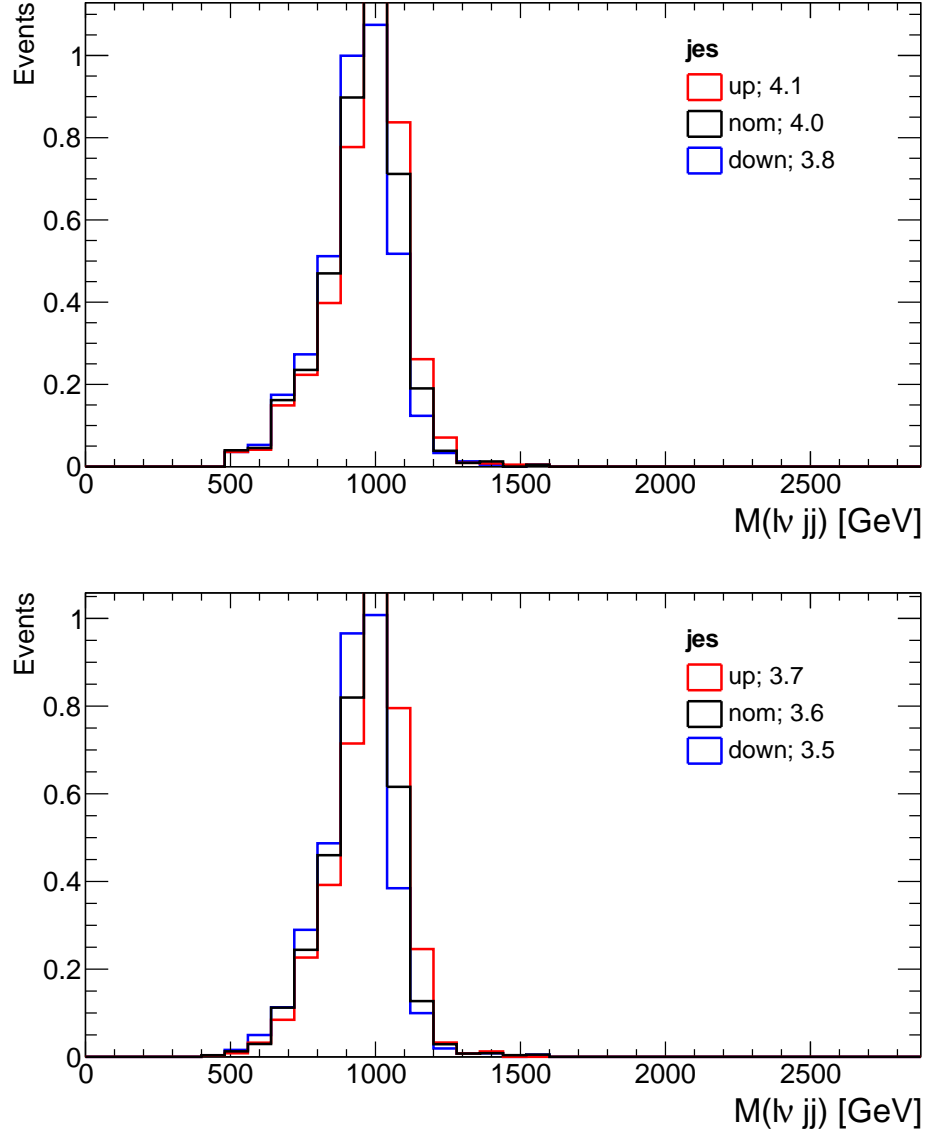


Figure 3:  $G_{kk}$  ( $M=1000$ ) Transverse mass of the system for electron (top) and muon (bottom) channels