

LowpT AFTER  $\Delta\Phi_u$  CUT:  $e\mu, \mu e$  and sum (November 20/13)

<b>Low PT</b>	<b>Njet=1</b>								
tag-02-23	Signal	<b>WW</b>	<b>nonWW</b>	<b><math>t\bar{t}</math></b>	Sing.Top	<b>Z+jets</b>	<b>W+jets</b>	All Bkg.	S/B
$e\mu$	$8.6 \pm 0.3$	$24.1 \pm 1.2$	$10.7 \pm 1.1$	$24.9 \pm 1.9$	$8.1 \pm 1.3$	$12.2 \pm 1.1$	$35.6 \pm 1.8$	$115.5 \pm 3.5$	0.074
$\mu e$	$5.2 \pm 0.2$	$14.4 \pm 0.9$	$12.9 \pm 1.3$	$15.4 \pm 1.5$	$5.5 \pm 1.0$	$6.3 \pm 0.8$	$26.0 \pm 0.7$	$80.4 \pm 2.6$	0.065
$e\mu + \mu e$	$13.8 \pm 0.4$	$38.4 \pm 1.5$	$23.6 \pm 1.7$	$40.3 \pm 2.4$	$13.5 \pm 1.6$	$18.5 \pm 1.4$	$61.6 \pm 1.9$	$195.9 \pm 4.4$	0.070
F(back.)(%)		19.6%	12.0%	20.6%	6.9%	9.4%	31.4%		
<b>Low PT</b>	<b>Njet=1</b>								
tag-02-24	Signal	<b>WW</b>	<b>nonWW</b>	<b><math>t\bar{t}</math></b>	Sing.Top	<b>Z+jets</b>	<b>W+jets</b>	All Bkg.	S/B
$e\mu$	$8.5 \pm 0.3$	$28.1 \pm 1.4$	$11.0 \pm 1.2$	$21.1 \pm 1.6$	$6.9 \pm 0.5$	$13.6 \pm 1.3$	$31.7 \pm 2.0$	$112.3 \pm 3.4$	0.075
$\mu e$	$5.2 \pm 0.2$	$17.3 \pm 1.1$	$13.3 \pm 1.4$	$13.6 \pm 1.3$	$4.7 \pm 0.4$	$6.9 \pm 0.9$	$20.5 \pm 0.8$	$76.2 \pm 2.5$	0.068
$e\mu + \mu e$	$13.6 \pm 0.4$	$45.3 \pm 1.7$	$24.3 \pm 1.8$	$34.6 \pm 2.1$	$11.6 \pm 0.6$	$20.5 \pm 1.5$	$52.2 \pm 2.2$	$188.5 \pm 4.3$	0.072
F(back.)(%)		24.0%	12.9%	18.4%	6.2%	10.9%	27.7%		
<b>Low PT</b>	<b>Njet=1</b>	<b>tag-02-25</b>	<b>Code</b>						
tag-02-24	Signal	<b>WW</b>	<b>nonWW</b>	<b><math>t\bar{t}</math></b>	Sing.Top	<b>Z+jets</b>	<b>W+jets</b>	All Bkg.	S/B
$e\mu$	$10.2 \pm 0.4$	$33.5 \pm 1.5$	$14.8 \pm 1.3$	$23.7 \pm 1.7$	$8.2 \pm 0.5$	$7.4 \pm 1.2$	$39.0 \pm 2.2$	$126.6 \pm 2.7$	0.080
$\mu e$	$6.6 \pm 0.3$	$28.6 \pm 1.1$	$18.0 \pm 1.6$	$15.9 \pm 1.4$	$5.4 \pm 0.4$	$3.7 \pm 0.8$	$26.8 \pm 0.9$	$90.2 \pm 2.7$	0.074
$e\mu + \mu e$	$16.8 \pm 0.5$	$54.1 \pm 1.9$	$32.8 \pm 2.1$	$39.6 \pm 2.2$	$13.6 \pm 0.6$	$11.1 \pm 1.4$	$65.7 \pm 2.4$	$216.8 \pm 4.6$	0.078
F(back.)(%)		24.9%	15.1%	18.2%	6.3%	15.1%	30.3%		
<b>Low PT</b>	<b>Njet=1</b>								
tag-02-25	Signal	<b>WW</b>	<b>nonWW</b>	<b><math>t\bar{t}</math></b>	Sing.Top	<b>Z+jets</b>	<b>W+jets</b>	All Bkg.	S/B
$e\mu$	$10.3 \pm 0.4$	$31.6 \pm 1.4$	$12.3 \pm 1.1$	$25.6 \pm 1.8$	$8.8 \pm 0.5$	$7.3 \pm 1.2$	$37.0 \pm 2.1$	$122.6 \pm 3.6$	0.084
$\mu e$	$6.6 \pm 0.3$	$20.3 \pm 1.1$	$14.9 \pm 1.4$	$17.1 \pm 1.5$	$6.6 \pm 0.5$	$3.6 \pm 0.8$	$24.7 \pm 0.9$	$87.2 \pm 2.7$	0.076
$e\mu + \mu e$	$16.9 \pm 0.5$	$51.8 \pm 1.8$	$27.2 \pm 1.8$	$42.7 \pm 2.4$	$15.4 \pm 0.7$	$11.0 \pm 1.4$	$61.7 \pm 2.3$	$209.7 \pm 4.5$	0.080
F(back.)(%)		24.7%	12.9%	20.3%	7.4%	5.2%	29.4%		