

LowpT and All Pt AFTER $\Delta\Phi_U$ CUT: $e\mu, \mu e, \text{sum}$ (November 20/13)

Low PT	Njet=0								
tag-02-23	Signal	WW	nonWW	t\bar{t}	Sing.Top	Z+jets	W+jets	All Bkg.	S/B
$e\mu$	20.9 \pm 0.5	92.5 \pm 2.6	58.2 \pm 2.5	8.9 \pm 1.1	5.1 \pm 0.9	1.1 \pm 0.4	69.8 \pm 2.0	235.6 \pm 4.6	0.088
μe	13.7 \pm 0.4	63.5 \pm 2.1	65.9 \pm 2.9	5.6 \pm 0.9	3.6 \pm 0.7	0.4 \pm 0.3	114.2 \pm 1.4	253.1 \pm 4.0	0.054
$e\mu + \mu e$	34.5 \pm 0.7	156.0 \pm 3.4	124.1 \pm 3.8	14.4 \pm 1.4	8.7 \pm 1.2	1.5 \pm 0.5	184.0 \pm 2.8	488.6 \pm 6.1	0.071
F(back.) (%)		31.9%	25.4%	2.9%	1.8%	0.3%	37.7%		
Low PT	Njet=0								
tag-02-24	Signal	WW	nonWW	t\bar{t}	Sing.Top	Z+jets	W+jets	All Bkg.	S/B
$e\mu$	20.5 \pm 0.5	91.1 \pm 2.6	61.3 \pm 2.7	8.6 \pm 1.0	5.2 \pm 0.3	0.9 \pm 0.4	64.2 \pm 2.9	231.3 \pm 4.8	0.089
μe	13.6 \pm 0.4	64.1 \pm 2.2	70.3 \pm 3.1	5.1 \pm 0.9	3.8 \pm 0.3	0.1 \pm 0.1	82.8 \pm 1.1	226.2 \pm 4.0	0.060
$e\mu + \mu e$	34.1 \pm 0.7	155.2 \pm 3.4	131.6 \pm 4.1	13.7 \pm 1.3	9.0 \pm 0.4	1.0 \pm 0.4	147.0 \pm 3.2	457.5 \pm 6.3	0.075
F(back.) (%)		33.8%	28.6%	3.0%	2.0%	0.2%	32.0%		
Low PT	Njet=0	tag-02-25	Code						
tag-02-24	Signal	WW	nonWW	t\bar{t}	Sing.Top	Z+jets	W+jets	All Bkg.	S/B
$e\mu$	23.7 \pm 0.5	105.7 \pm 2.7	81.6 \pm 3.0	10.0 \pm 1.1	6.2 \pm 0.3	2.5 \pm 1.3	87.7 \pm 3.4	293.7 \pm 5.6	0.081
μe	16.0 \pm 0.5	73.7 \pm 2.3	92.2 \pm 3.6	6.6 \pm 1.0	4.5 \pm 1.3	7.6 \pm 6.4	98.3 \pm 1.3	282.8 \pm 7.8	0.057
$e\mu + \mu e$	39.7 \pm 0.7	179.4 \pm 3.6	173.8 \pm 4.8	16.6 \pm 1.4	10.7 \pm 0.4	10.1 \pm 6.5	185.9 \pm 3.6	576.5 \pm 9.6	0.069
F(back.) (%)		31.1%	30.2%	2.9%	1.9%	1.8%	32.2%		
Low PT	Njet=0								
tag-02-25	Signal	WW	nonWW	t\bar{t}	Sing.Top	Z+jets	W+jets	All Bkg.	S/B
$e\mu$	23.9 \pm 0.6	103.2 \pm 2.7	72.6 \pm 2.8	10.8 \pm 1.2	6.7 \pm 0.4	2.5 \pm 1.3	85.6 \pm 3.3	282.5 \pm 5.4	0.085
μe	15.6 \pm 0.4	74.2 \pm 2.3	81.6 \pm 3.3	7.0 \pm 1.0	4.9 \pm 0.3	7.7 \pm 6.4	89.6 \pm 1.1	264.9 \pm 7.7	0.060
$e\mu + \mu e$	39.8 \pm 0.7	177.4 \pm 3.5	155.2 \pm 4.3	17.8 \pm 1.5	11.6 \pm 0.5	10.2 \pm 6.6	175.1 \pm 3.5	547.4 \pm 9.4	0.073
F(back.) (%)		32.4%	28.4%	3.3%	2.1%	1.9%	32.0%		