

	Normalization	JES	$b$ -tag	QG-Tag	$Q^2$
$Z + \text{jets}$					
<i>HF Tag Region</i>	—	$\pm 12\%$	+10%,-8.3%	—	Shape Only
<i>LF Tag Region</i>	—	+14%,-16%	-0.5%,+0.4%	+1.0%,-1.9%	Shape Only
<i>No Tag Region</i>	—	+16%,-19%	-1.0%,+0.9%	-0.6%,1.2%	Shape Only
$t\bar{t}$					
<i>HF Tag Region</i>	$\pm 6.45\%$	+0.4%,-0.1%	+8.9%,-9.8%	—	—
<i>LF Tag Region</i>	$\pm 6.45\%$	+0.3%,-0.4%	-17%,+16%	+11%,-19%	—
<i>No Tag Region</i>	$\pm 6.45\%$	+4.4%,-2.4%	-9.5%,+11%	-3.8%,6.6%	—
$WW$					
<i>HF Tag Region</i>	$\pm 6\%$	—	—	—	—
<i>LF Tag Region</i>	$\pm 6\%$	+12%,-9.4%	—	+20%,-0%	—
<i>No Tag Region</i>	$\pm 6\%$	+32%,-8.4%	—	-9.6%,-0%	—
Signal					
<i>HF Tag Region</i>	—	+4.2%,-4.3%	+9.7%,-10%	—	—
<i>LF Tag Region</i>	—	+5.5%,-4.4%	-0.7%,+0.6%	+6.3%,-6.6%	—
<i>No Tag Region</i>	—	+6.0%,-5.4%	-1.2%,+1.4%	-6.9%,+7.2%	—
Fakes (All Regions)	$\pm 25\%$				