

	Electron channel				Muon channel			
	Resolved		Merged		Resolved		Merged	
	Low- p_{T}	High- p_{T}	Low- p_{T}	High- p_{T}	Low- p_{T}	High- p_{T}	Low- p_{T}	High- p_{T}
$\text{M}(j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_{\text{T}}(j)$	✓	✓	✓		✓			
$\text{b tag}(j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_{\text{T}}(\ell)$	✓							
$d_{xy}(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$\sigma_{xy}(\ell)$	✓				✓			
$d_z(\ell)$	✓	✓	✓	✓	✓		✓	✓
$\sigma_z(\ell)$	✓				✓			
$I(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$I_{\text{mini}}(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_{\text{T}}(\ell)/p_{\text{T}}(j)$	✓		✓	✓			✓	
$\text{M}(\ell\nu j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_{\text{T}}(\ell\nu j)$	✓		✓		✓		✓	✓
$\text{M}(\ell j)$	✓	✓			✓	✓		
$p_{\text{T}}(\ell\nu j)$	✓							
$\text{M}_{\text{T}}(\ell\nu j)$	✓	✓	✓	✓		✓		✓
$p_{\text{T}}^{\text{rel}}(\ell)$	✓	✓	✓	✓		✓	✓	✓
$\cos\theta_{\ell j}$	✓		✓		✓			✓
$\Delta R_{\ell j}$	✓		✓	✓	✓	✓		