

	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
$M(j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_T(j)$	✓	✓	✓		✓			
$\mathbf{b} \text{ tag}(j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_T(\ell)$	✓							
$d_{xy}(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$\sigma_{xy}(\ell)$	✓				✓			
$d_z(\ell)$	✓	✓	✓	✓	✓		✓	✓
$\sigma_z(\ell)$	✓				✓			
$I(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$I_{\text{mini}}(\ell)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_T(\ell)/p_T(j)$	✓		✓	✓			✓	
$M(\ell\nu j)$	✓	✓	✓	✓	✓	✓	✓	✓
$p_T(\ell\nu j)$	✓		✓		✓		✓	✓
$M(\ell j)$	✓	✓			✓	✓		
$p_T(\ell\nu j)$	✓							
$M_T(\ell\nu j)$	✓	✓	✓	✓		✓		✓
$p_T^{\text{rel}}(\ell)$	✓	✓	✓	✓		✓	✓	✓
$\cos\theta_{\ell j}$	✓		✓		✓			✓
$\Delta R_{\ell j}$	✓		✓	✓	✓	✓		