Input variable	MET	1L	2L	FH
m_{HH}	✓	✓	✓	✓
$p_{\mathrm{T}}^{\mathrm{H}_2}$	✓	✓		
$p_{\mathrm{T}}^{\mathrm{V}}$	✓	✓	✓	✓
$\Delta R(\mathrm{H}_1, \mathrm{H}_2)$	✓	✓	✓	✓
$\Delta\phi(\ell_1, \ell_2)$			✓	
$p_{\mathrm{T}}^{\mathrm{H}_1}$	✓	✓	✓	✓
$\Delta\eta(\ell_1, \ell_2)$			✓	
$\Delta R(J_{1,\mathrm{H}_2}, J_{2,\mathrm{H}_2})$			✓	
$\Delta R(J_{1,\mathrm{H}_1}, J_{2,\mathrm{H}_1})$			✓	
$p_{\mathrm{T}}^{\ell_1} / m_{\mathrm{V}}$			✓	
$\Delta\phi(\mathrm{V}, \mathrm{H}_2)$	✓	✓	✓	✓
m_{H_2}	✓	✓		
$p_{\mathrm{T}}^{\mathrm{HH}}$	✓	✓		
m_{H_1}	✓	✓		
$\Delta\eta(\mathrm{H}_1, \mathrm{H}_2)$	✓	✓		✓
$\Delta\phi(\mathrm{H}_1, \mathrm{H}_2)$	✓	✓		✓
Energy of H_1	✓	✓		✓
Energy of H_2	✓	✓		✓
Energy of HH	✓	✓		✓
η_{HH}	✓	✓		✓
η_{H_1}				✓
η_{H_2}				✓
$p_{\mathrm{T}}^{\mathrm{H}_2} / p_{\mathrm{T}}^{\mathrm{H}_1}$	✓	✓	✓	✓
$p_{\mathrm{T}}^{\ell_2} / p_{\mathrm{T}}^{\ell_1}$			✓	
$p_{\mathrm{T}}^{\ell_1}$			✓	
Simulation year	✓	✓		