	Observable		5j3b	6j4b	6j3b3l	7j4b3l
σ_{fid}	Inclusive cross section		✓	✓	✓	✓
Global observables						
N_{jets}	Jet multiplicity		✓	✓		
N_{b}	b jet multiplicity		✓			
H_{T}^{j}	Scalar p_{T} sum of all jets		✓	✓		
H_{T}^{b}	Scalar p_{T} sum of all b jets		✓	✓		
$H_{\text{T}}^{\text{light}}$	Scalar p_{T} sum of all light jets				✓	✓
Observables related to b jets						
$p_{\text{T}}(\text{b}_3)$	p_{T} of third hardest b jet		✓	✓		
$|\eta(\text{b}_3)|$	$|\eta|$ of third hardest b jet		✓	✓		
$p_{\text{T}}(\text{b}_4)$	p_{T} of fourth hardest b jet			✓		
$|\eta(\text{b}_4)|$	$|\eta|$ of fourth hardest b jet			✓		
Observables considering all pairs of b jets (bb)						
$\Delta R_{\text{bb}}^{\text{avg}}$	Average ΔR of all bb pairs			✓		
$m_{\text{bb}}^{\text{max}}$	Highest invariant mass among all bb pairs			✓		
Observables related to the pair of b jets closest in ΔR (bb$^{\text{extra}}$)						
$p_{\text{T}}(\text{b}_1^{\text{extra}})$	p_{T} of leading extra b jet			✓		
$|\eta(\text{b}_1^{\text{extra}})|$	$|\eta|$ of leading extra b jet			✓		
$p_{\text{T}}(\text{b}_2^{\text{extra}})$	p_{T} of subleading extra b jet			✓		
$|\eta(\text{b}_2^{\text{extra}})|$	$|\eta|$ of subleading extra b jet			✓		
$\Delta R(\text{bb}^{\text{extra}})$	ΔR of bb$^{\text{extra}}$ pair			✓		
$|\eta(\text{bb}^{\text{extra}})|$	$|\eta|$ of bb$^{\text{extra}}$ pair			✓		
$m(\text{bb}^{\text{extra}})$	invariant mass of bb$^{\text{extra}}$ pair			✓		
$p_{\text{T}}(\text{bb}^{\text{extra}})$	p_{T} of bb$^{\text{extra}}$ pair			✓		
Observables related to the pair of b jets not from t$\bar{\text{t}}$ decay (bb$^{\text{add.}}$)						
$p_{\text{T}}(\text{b}_1^{\text{add.}})$	p_{T} of leading additional b jet			✓*		
$|\eta(\text{b}_1^{\text{add.}})|$	$|\eta|$ of leading additional b jet			✓*		
$p_{\text{T}}(\text{b}_2^{\text{add.}})$	p_{T} of subleading additional b jet			✓*		
$|\eta(\text{b}_2^{\text{add.}})|$	$|\eta|$ of subleading additional b jet			✓*		
$\Delta R(\text{bb}^{\text{add.}})$	ΔR of bb$^{\text{add.}}$ pair			✓*		
$|\eta(\text{bb}^{\text{add.}})|$	$|\eta|$ of bb$^{\text{add.}}$ pair			✓*		
$m(\text{bb}^{\text{add.}})$	invariant mass of bb$^{\text{add.}}$ pair			✓*		
$p_{\text{T}}(\text{bb}^{\text{add.}})$	p_{T} of bb$^{\text{add.}}$ pair			✓*		
Observables related to extra light jets						
$p_{\text{T}}(\text{lj}_1^{\text{extra}})$	p_{T} of leading extra light jet				✓	✓
$|\Delta\phi(\text{lj}_1^{\text{extra}}, \text{b}_{\text{soft}})|$	$\Delta\phi$ of leading extra light jet and softest b jet				✓	✓