

Quantity	Sequential Cut		Random Forest	
	DF	SF	DF	SF
Number of leptons	Strictly 2		Strictly 2	
Lepton charges	Opposite		Opposite	
$p_T^{\ell \max}$	>25		>25	
$p_T^{\ell \min}$	>20		>20	
$m_{\ell\ell}$	>20	>40	>30	>30
Additional leptons	0		0	
$ m_{\ell\ell} - m_Z $	—	>15	—	>15
$p_T^{\ell\ell}$	>30	>30	—	—
p_T^{miss}	>20	>55	—	—
$p_T^{\text{miss,proj}}, p_T^{\text{miss,track proj}}$	>20	>20	—	—
Number of jets	≤ 1		—	—
Number of b-tagged jets	0		0	
DYMVA score	—	>0.9	—	—
Drell-Yan RF score S_{DY}	—	—	>0.96	
$t\bar{t}$ RF score $S_{t\bar{t}}$	—	—	>0.6	