Selection	2ℓSS + 0τ_h	2ℓSS + 1τ_h	3ℓ + 1τ_h
Trigger	Single- and double-lepton triggers		Single-, double- and triple-lepton triggers
Lepton p_T	$p_T > 25 / 15$ GeV (p)	$p_T > 25 / 15$ (o) or 10 GeV (p)	$p_T > 25 / 15 / 10$ GeV
Lepton η	$|\eta| < 2.5$ (e) or 2.4 (μ)	$|\eta| < 2.5$ (e) or 2.4 (μ)	$|\eta| < 2.5$ (e) or 2.4 (μ)
τ_h p_T	—	$p_T \geq 20$ GeV	—
τ_h η	—	$|\eta| < 2.3$	—
Charge requirements	2 same-sign leptons and charge quality requirements		
	$\sum_\ell q = \pm 1$	$\sum_{\ell,\tau} q = 0$	$\sum_\ell q = \pm 1$
Jet multiplicity	≥3 jets		≥2 jets
b tagging requirements	≥1 medium b-tagged jet or ≥2 loose b-tagged jets		≥1 medium b-tagged jet
Light jet and b tag	—	≥1 light jets, ≥1 medium b-tagged jet	—
Missing transverse momentum	p_T^{miss} LD > 30 GeV [*]		p_T^{miss} > 45 GeV [†]
Dilepton mass	$m_{\ell\ell} > 12$ GeV [**], $|m_{\ell\ell} - m_Z| > 10$ GeV [§]		

[*] Applied on all pairs of leptons that pass loose selection. [**] If events do not pass these thresholds, [***] is required. [†] If the event contains a same-flavour opposite-sign (SFOS) lepton pair and $N_{jet} \leq 3$. If $N_{jet} \leq 3$ but there is no SFOS lepton pair, the threshold is 30 GeV. [§] Applied only to ee events.