

| Requirement / Region                                  | $\text{SR}_{1\text{A}}^{\text{Z}}$ | $\text{SR}_{1\text{B}}^{\text{Z}}$ | $\text{SR}_{2\text{A}}^{\text{Z}}$ | $\text{SR}_{2\text{B}}^{\text{Z}}$ |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Number of signal leptons                              |                                    | $\geq 3$                           |                                    |                                    |
| Number of SF-OS pairs                                 |                                    | $\geq 1$                           |                                    |                                    |
| Leading lepton $p_{\text{T}}$ [GeV]                   |                                    | $> 40$                             |                                    |                                    |
| Subleading lepton $p_{\text{T}}$ [GeV]                |                                    | $> 20$                             |                                    |                                    |
| $ m_{\ell\ell}^{\text{SF-OS}} - m_{\text{Z}} $ [GeV]  |                                    | $< 15$                             |                                    |                                    |
| Third leading lepton $p_{\text{T}}$ [GeV]             | $> 20$                             | $> 20$                             | $< 20$                             | $< 60$                             |
| $n_{\text{jets}}$ ( $p_{\text{T}} > 30$ GeV)          | $\geq 4$                           | $\geq 5$                           | $\geq 3$                           | $\geq 3$                           |
| $n_{b\text{-tagged jets}}$ ( $p_{\text{T}} > 30$ GeV) | $\geq 1$                           | $\geq 1$                           | –                                  | $\geq 1$                           |
| Leading jet $p_{\text{T}}$ [GeV]                      | –                                  | –                                  | $> 150$                            | –                                  |
| Leading $b$ -tagged jet $p_{\text{T}}$ [GeV]          | –                                  | $> 100$                            | –                                  | –                                  |
| $E_{\text{T}}^{\text{miss}}$ [GeV]                    | $> 250$                            | $> 150$                            | $> 200$                            | $> 350$                            |
| $p_{\text{T}}^{\ell\ell}$ [GeV]                       | –                                  | $> 150$                            | $< 50$                             | $> 150$                            |
| $m_{\text{T}2}^{3\ell}$ [GeV]                         | $> 100$                            | –                                  | –                                  | –                                  |