

| Subcategories | Selection |
|-------------------------|---|
| <u>Global selection</u> | $p_{T1} > 25 \text{ GeV}, p_{T2} > 20 \text{ GeV}, p_{T3} > 15 \text{ GeV}$ $Q_{3\ell} = \pm 1, \min(m_{\ell\ell}) > 12 \text{ GeV}$ $ m_{\ell\ell} - m_Z < 25 \text{ GeV}, m_{3\ell} - m_Z > 20 \text{ GeV}$ No b-tagged jet with $p_T > 20 \text{ GeV}$ |
| <u>Signal region</u> | |
| 1-jet | =1 jet with $p_T > 30 \text{ GeV}, \Delta\phi(\ell p_T^{\text{miss}}, j(j)) < \pi/2$ |
| 2-jet | ≥ 2 jets with $p_T > 30 \text{ GeV}, \Delta\phi(\ell p_T^{\text{miss}}, j(j)) < \pi/2$ |
| <u>Control region</u> | |
| 1-jet WZ | =1 jet with $p_T > 30 \text{ GeV}, \Delta\phi(\ell p_T^{\text{miss}}, j(j)) > \pi/2$ |
| 2-jet WZ | ≥ 2 jets with $p_T > 30 \text{ GeV}, \Delta\phi(\ell p_T^{\text{miss}}, j(j)) > \pi/2$ |