Definition of the W$\gamma\gamma$ fiducial region
$p_{\mathrm{T}}^{\gamma} > 25\,\mathrm{GeV}$, $|\eta^{\gamma}| < 2.5$
$p_{\mathrm{T}}^{\ell} > 25\,\mathrm{GeV}$, $|\eta^{\ell}| < 2.4$
One candidate lepton and two candidate photons
$m_{\mathrm{T}} > 40\,\mathrm{GeV}$
$\Delta R(\gamma, \gamma) > 0.4$ and $\Delta R(\gamma, \ell) > 0.4$
Definition of the Z$\gamma\gamma$ fiducial region
$p_{\mathrm{T}}^{\gamma} > 15\,\mathrm{GeV}$, $|\eta^{\gamma}| < 2.5$
$p_{\mathrm{T}}^{\ell} > 10\,\mathrm{GeV}$, $|\eta^{\ell}| < 2.4$
Two oppositely charged candidate leptons and two candidate photons
leading $p_{\mathrm{T}}^{\ell} > 20\,\mathrm{GeV}$
$m_{\ell\ell} > 40\,\mathrm{GeV}$
$\Delta R(\gamma, \gamma) > 0.4$, $\Delta R(\gamma, \ell) > 0.4$, and $\Delta R(\ell, \ell) > 0.4$