Kinematic properties and isolation of leptons	
Leading lepton p_{T}	$> 20\,\mathrm{GeV}$
Next-to-leading lepton p_{T}	$> 10\,\mathrm{GeV}$
Transverse momentum of additional electrons (muons)	$> 7(5)\,\mathrm{GeV}$
Pseudorapidity of electrons (muons)	$\lvert\eta\rvert < 2.5(2.4)$
Isolation: p_{T} sum of all stable particles within $\Delta R < 0.3$ from each lepton	$< 0.35 p_{\mathrm{T}}^{\ell}$

Event topology	
At least two same-flavor, opposite-charge lepton pairs	
Inv. mass of the Z_1 candidate	$40 < m(\mathrm{Z}_1) < 120\,\mathrm{GeV}$
Inv. mass of the Z_2 candidate	$12 < m(\mathrm{Z}_2) < 120\,\mathrm{GeV}$
Distance between the four selected leptons	$\Delta R(\ell_i \ell_j) > 0.02$ for any $i \neq j$
Inv. mass of any opposite-sign lepton pair	$\mathrm{m}(\ell^+\ell'^-) > 4\,\mathrm{GeV}$
Inv. mass of the four selected leptons	$105 < m_{4\ell} < 160\,\mathrm{GeV}$
The four selected leptons must originate from the $\mathrm{H} \to 4\ell$ decay	