Requirements for the $11 \rightarrow 4\ell$ fluidial phase space	
Lepton kinematics and isolation	
Leading lepton p_{T}	$p_{\mathrm{T}} > 20\mathrm{GeV}$
Next-to-leading lepton $p_{ m T}$	$p_{\mathrm{T}} > 10\mathrm{GeV}$
Additional electrons (muons) $v_{\rm T}$	$p_{\rm T} > 7(5) {\rm GeV}$

Event topology

Existence of at least two same-flavor OS lepton pairs, where leptons satisfy criteria above

Pseudorapidity of electrons (muons)

Distance between selected four leptons Inv. mass of any opposite sign lepton pair

Inv. mass of the selected four leptons

Inv. mass of the Z_1 candidate

Inv. mass of the Z_2 candidate

Sum of scalar p_T of all stable particles within $\Delta R < 0.3$ from lepton

Paguiroments for the H \ \ \All fiducial phase space

 $|\eta| < 2.5 (2.4)$

 $< 0.35 p_{\rm T}$

 $40 < m_{Z_1} < 120 \,\text{GeV}$

 $12 < m_{Z_2} < 120 \,\text{GeV}$ $\Delta R(\ell_i, \ell_i) > 0.02$ for any $i \neq j$

 $m_{\ell^+\ell'^-} > 4 \,\text{GeV}$

 $105 < m_{4\ell} < 140 \,\text{GeV}$