

Baseline selection

Number of leptons	2
$p_T$ of leading lepton	$>25$ GeV
$p_T$ of subleading lepton	$>15$ GeV
$ \eta $ of electrons	$<2.5$
$ \eta $ of muons	$<2.4$
Number of jets	$\geq 1$
Number of b-tagged jets	$\geq 1$
$p_T$ of jets	$>25$ GeV
$ \eta $ of jets	$<2.4$

AR

DY VR

$t\bar{t}$  VR

Sign and flavour of leptons	$\mu^+\mu^-, e^+e^-, e^\pm\mu^\mp$	$\mu^+\mu^-, e^+e^-$	$\mu^+\mu^-, e^+e^-, e^\pm\mu^\mp$
$m_{\ell\ell}$	20–70 GeV	70–110 GeV	$>110$ GeV
$p_T^{\text{miss}}$	$>40$ GeV		