

Region 1

Only one loose lepton with $p_T > 10$ GeV

$$m_T(\ell, p_T^{\text{miss}}) < 20 \text{ GeV}$$

$$p_T^{\text{miss}} < 20 \text{ GeV}$$

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Region 2

Only one loose lepton with $p_T > 10$ GeV

$$m_T(\ell, p_T^{\text{miss}}) < 20 \text{ GeV}$$

$$p_T^{\text{miss}} < 20 \text{ GeV}$$

At least one b-tagged jet with $p_T > 30$ GeV

$$\text{and } |\eta| < 2.1$$