

DY CR

 $t\bar{t}$ (2ℓ) CR

VV VR

No upper requirement on $p_T(\ell)$ $\text{Iso}_{\text{rel}} < 0.1$ as an or condition with the SR isolation $0 < M(\tau\tau) < 160 \text{ GeV}$ $\text{IP}_{3\text{D}} < 0.0175 \text{ cm}, \text{SIP}_{3\text{D}} < 2.5 \text{ s.d.}$ $p_T(\ell_1) > 20 \text{ GeV}, \text{ or } \text{IP}_{3\text{D}} > 0.01 \text{ cm}, \text{ or } \text{SIP}_{3\text{D}} > 2 \text{ s.d.}$ M_T as for electroweakino SRNo requirements on M_T

At least one b-tagged jet

with $p_T > 40 \text{ GeV}$ $p_T(\ell_1) > 20 \text{ GeV}$ |same flavour $M(\ell\ell) - M(Z)$ | $> 10 \text{ GeV}$ $M_T > 90 \text{ GeV}$