

| Selection   | Yield   | Efficiency (%) |
|---|---------|----------------|
| No selection  | 11671.7 | 100.00         |
| Trigger and $\geq 2$ leptons  | 249.2   | 2.13           |
| At least one <i>SS</i> lepton pair  | 124.6   | 1.07           |
| Baseline (two jets, and either $E_T^{\text{miss}} > 30$ GeV or $H_T > 500$ GeV) | 112.2   | 0.96           |
| Any SR ( $E_T^{\text{miss}} > 50$ GeV)  | 109.8   | 0.94           |
| HH SR3  | 15.3    | 0.13           |
| HH SR2  | 11.6    | 0.10           |