

| Channel                                | Prod. modes | $m_{V'}$ range [TeV] | Leptons                                      | Jets                               | Reference        |
|----------------------------------------|-------------|----------------------|----------------------------------------------|------------------------------------|------------------|
| $Z' \rightarrow \tau \bar{\tau}$       | DY          | 0.5–4.0              | $\ell \tau_{\text{h}}$ or $2\tau_{\text{h}}$ | —                                  | [none-none-none] |
| $Z' \rightarrow \ell \bar{\ell}$       | DY          | 0.8–5.5              | $2\ell$                                      | —                                  | [none-none-none] |
| $W' \rightarrow \ell \nu$              | DY          | 0.8–6.0              | $1\ell$                                      | —                                  | [none-none-none] |
| $W' \rightarrow \tau \nu$              | DY          | 0.8–6.0              | $1\tau_{\text{h}}$                           | —                                  | [none-none-none] |
| $V' \rightarrow q \bar{q}$             | DY          | 1.8–8.7              | $0\ell$                                      | $jj$                               | [none-none-none] |
| $W' \rightarrow tb$ ( $0\ell$ )        | DY          | 1.0–4.0              | $0\ell$                                      | $j^{\text{t}} j^{\text{b}}$        | [none-none-none] |
| $W' \rightarrow tb$ ( $1\ell$ )        | DY          | 2.0–6.0              | $1\ell$                                      | $j^{\text{b}} j^{\text{b}}$        | [none-none-none] |
| $Z' \rightarrow t \bar{t}$ ( $1\ell$ ) | DY          | 0.8–5.0              | $1\ell$                                      | $j^{\text{t}}$ or $jjj^{\text{b}}$ | [none-none-none] |
| $Z' \rightarrow ZH$ ( $2\ell 2b$ )     | DY + VBF    | 0.8–5.0              | $2\ell$                                      | $j^{\text{bb}}$                    | [none-none-none] |
| $Z' \rightarrow ZH$ ( $2\nu 2b$ )      | DY + VBF    | 0.8–5.0              | $0\ell$                                      | $j^{\text{bb}}$                    | [none-none-none] |
| $Z' \rightarrow ZH$ ( $2\ell 2q$ )     | DY          | 1.2–6.0              | $2\ell$                                      | $j^{\text{H}}$                     | [none-none-none] |
| $Z' \rightarrow ZH$ ( $2\nu 2q$ )      | DY          | 1.2–6.0              | $0\ell$                                      | $j^{\text{H}}$                     | [none-none-none] |
| $W' \rightarrow WZ$ ( $2q 2\ell$ )     | DY          | 0.6–2.0              | $2\ell$                                      | $j^{\text{V}}$ or $jj$             | [none-none-none] |
| $W' \rightarrow WZ$ ( $2q 2\nu$ )      | DY + VBF    | 1.0–4.5              | $0\ell$                                      | $j^{\text{V}}$                     | [none-none-none] |
| $V' \rightarrow WV/WH$                 | DY + VBF    | 1.0–4.5              | $1\ell$                                      | $j^{\text{V}}$                     | [none-none-none] |
| $V' \rightarrow VV/VH$                 | DY + VBF    | 1.3–6.0              | $0\ell$                                      | $j^{\text{V}} j^{\text{V}}$        | [none-none-none] |