

| Category | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------------------------------------------------------------------------------|----|----|----|----|----|----|-----|
| $\chi^{(0)} \rightarrow \text{HH}$ | 10 | 10 | 10 | 10 | 20 | 80 | - |
| $\chi^{(2)} \rightarrow \text{HH}$ | 10 | 10 | 10 | 10 | 20 | 80 | - |
| $X \rightarrow Y(\tau\tau)\text{H}(\gamma\gamma)$ | 10 | 10 | 10 | 10 | 20 | 80 | 320 |
| Low-Mass $X \rightarrow Y(\gamma\gamma)\text{H}(\tau\tau) \quad Y \rightarrow \gamma\gamma$ | 10 | 10 | 10 | 10 | 20 | 80 | 320 |
| High-Mass $X \rightarrow Y(\gamma\gamma)\text{H}(\tau\tau)$ | 10 | 10 | 10 | 10 | 20 | 80 | 320 |