

CMS Simulation

(13.6 TeV)

 $H \rightarrow Z_D Z_D \rightarrow 2\mu + X$, $m_H = 125$ GeV, $m_{Z_D} = 12$ GeV

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|-------|-----------------------|-------|-------------------------|
| — | Inclusive | - - - | $2.4 < l_{xy} < 3.1$ cm |
| ⋯ | $0 < l_{xy} < 11$ cm | - - - | $3.1 < l_{xy} < 7$ cm |
| - - - | $0 < l_{xy} < 0.2$ cm | - - - | $7 < l_{xy} < 11$ cm |
| - - - | $0.2 < l_{xy} < 1$ cm | - - - | $11 < l_{xy} < 16$ cm |
| - - - | $1 < l_{xy} < 2.4$ cm | - - - | $16 < l_{xy} < 70$ cm |

