

$H \rightarrow \gamma^* \gamma \rightarrow \mu\mu\gamma$

(13 TeV)

Signal shape

**CMS**

*Simulation*

ttH, diMu50\_EBHR9

— PDF-120 GeV

— PDF-125 GeV

— PDF-130 GeV

$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-4}$

$10^{-5}$

$10^{-6}$

$10^{-7}$

$10^{-8}$

110

120

130

140

150

160

170

$m_{\mu\mu\gamma}$  (GeV)

