

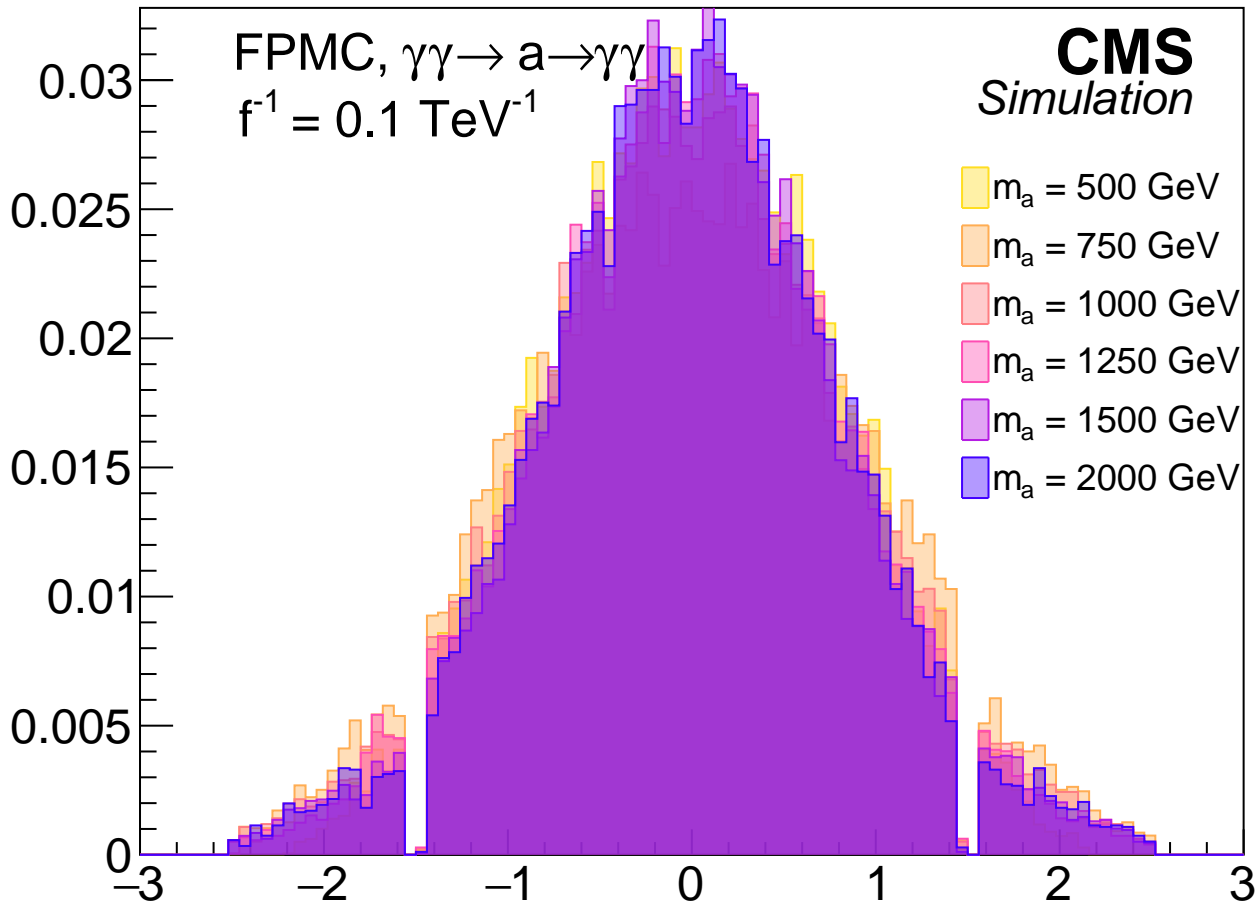
13 TeV

Event fraction

FPMC, $\gamma\gamma \rightarrow a \rightarrow \gamma\gamma$
 $f^{-1} = 0.1 \text{ TeV}^{-1}$

CMS
Simulation

- $m_a = 500 \text{ GeV}$
- $m_a = 750 \text{ GeV}$
- $m_a = 1000 \text{ GeV}$
- $m_a = 1250 \text{ GeV}$
- $m_a = 1500 \text{ GeV}$
- $m_a = 2000 \text{ GeV}$



η^γ