

Split rate

0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0**ATLAS Simulation Preliminary** $\sqrt{s}=13$ TeV

- $pp \rightarrow \tilde{g}\tilde{g}, \tilde{g} \rightarrow qq \tilde{\chi}_1^0, \tilde{\chi}_1^0 \rightarrow qqq, m(\tilde{\chi}_1^0) = 2050$ GeV, $c\tau(\tilde{\chi}_1^0) = 300$ mm
- ▲— $pp \rightarrow W^\pm h, h \rightarrow aa, a \rightarrow bb, m(a) = 55$ GeV, $c\tau(a) = 100$ mm
- $pp \rightarrow W^\pm h, h \rightarrow aa, a \rightarrow uu, m(a) = 55$ GeV, $c\tau(a) = 100$ mm

10

 10^2

Radius [mm]

