ATLAS Simulation

- No material veto
- With material veto

Simulation

$ATLAS$ Simulation

- $m_H, m_s = [125, 55]$ GeV
- $m_H, m_s = [125, 25]$ GeV
- $m_H, m_s = [125, 8]$ GeV

Long-lived particle decay $z$ [mm]

IDVx Selection Efficiency

$ATLAS$ Simulation

- No material veto
- With material veto

Simulation

$m_H, m_s = [125, 55]$ GeV
- $m_H, m_s = [125, 25]$ GeV
- $m_H, m_s = [125, 8]$ GeV

Long-lived particle decay $z$ [mm]

IDVx Selection Efficiency

$ATLAS$ Simulation

- No material veto
- With material veto

Simulation

$m_H, m_s = [125, 55]$ GeV
- $m_H, m_s = [125, 25]$ GeV
- $m_H, m_s = [125, 8]$ GeV

Long-lived particle decay $z$ [mm]

IDVx Selection Efficiency

$ATLAS$ Simulation

- No material veto
- With material veto

Simulation

$m_H, m_s = [125, 55]$ GeV
- $m_H, m_s = [125, 25]$ GeV
- $m_H, m_s = [125, 8]$ GeV

Long-lived particle decay $z$ [mm]

IDVx Selection Efficiency