Probability $\pi_v$ vs. $z$ for various mass differences $m$ in ATLAS Simulation endcap.

- $m_H = 126$ GeV - $m_{\pi_v} = 10$ GeV
- $m_H = 126$ GeV - $m_{\pi_v} = 25$ GeV
- $m_H = 126$ GeV - $m_{\pi_v} = 40$ GeV
- $m_\phi = 300$ GeV - $m_{\pi_v} = 50$ GeV
- $m_\phi = 600$ GeV - $m_{\pi_v} = 50$ GeV
- $m_\phi = 600$ GeV - $m_{\pi_v} = 150$ GeV
- $m_\phi = 900$ GeV - $m_{\pi_v} = 50$ GeV
- $m_\phi = 900$ GeV - $m_{\pi_v} = 150$ GeV

ATLAS Simulation endcap