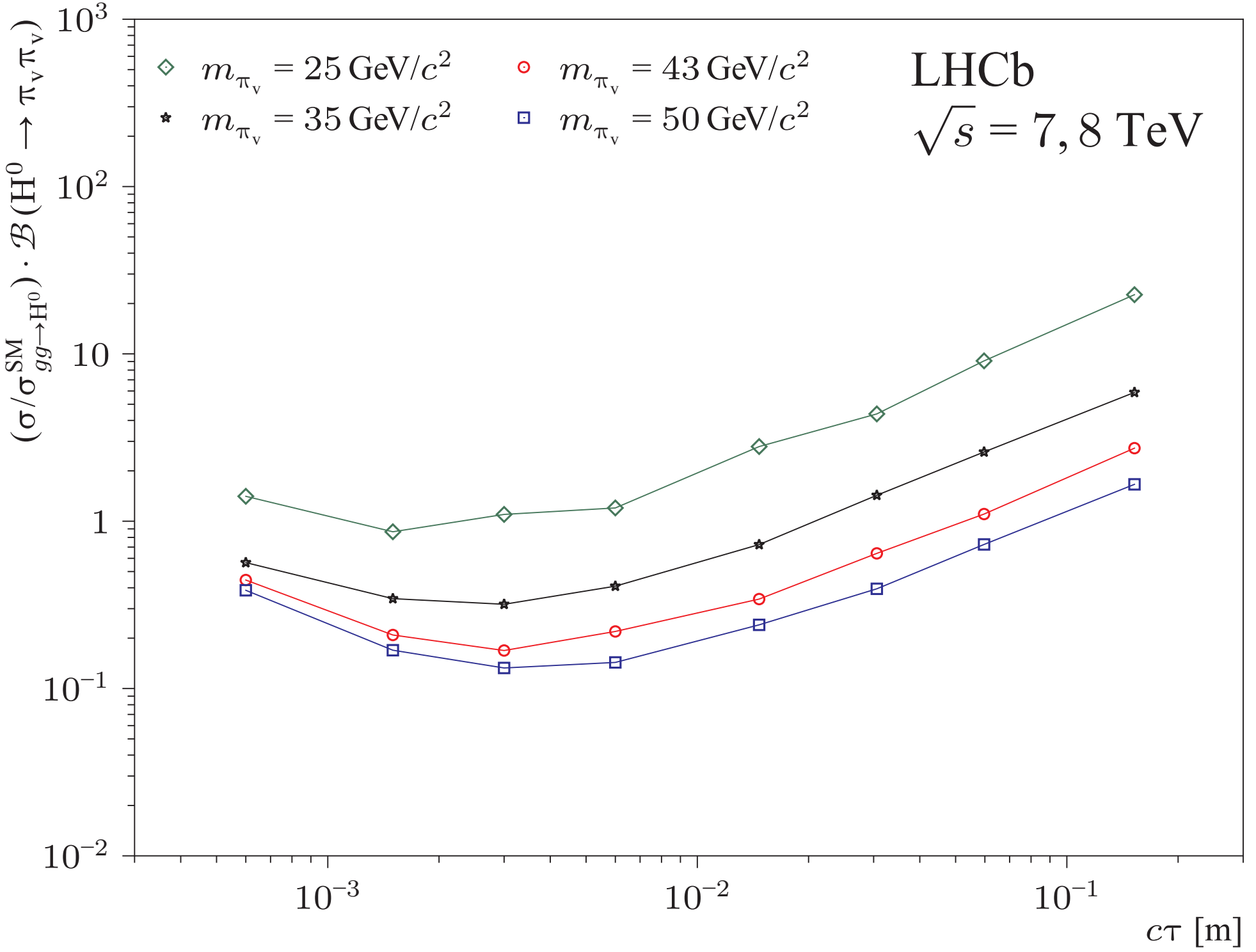
LHCb
$\sqrt{s} = 7, 8$ TeV
$m_{\pi_v} = 25\,\mathrm{GeV}/c^2$
$m_{\pi_v} = 35\,\mathrm{GeV}/c^2$
$m_{\pi_v} = 43\,\mathrm{GeV}/c^2$
$m_{\pi_v} = 50\,\mathrm{GeV}/c^2$
$(\sigma/\sigma^{\mathrm{SM}}_{gg\to\mathrm{H}^0}) \cdot \mathcal{B}(\mathrm{H}^0 \to \pi_v\pi_v)$
10^3
10^2
10
1
10^{-1}
10^{-2}
10^{-3}
10^{-2}
10^{-1}
$c\tau$ [m]