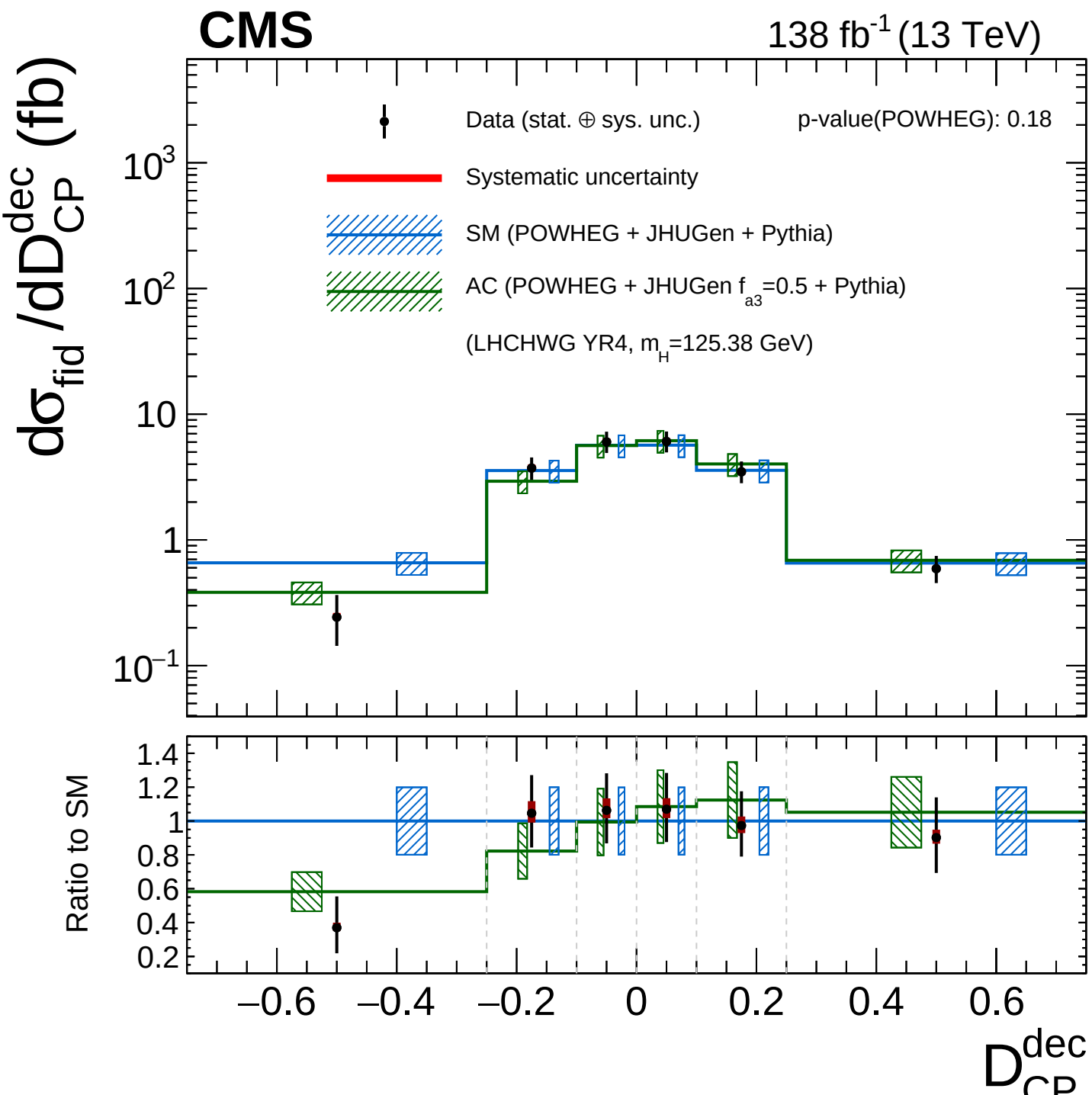
CMS
138 fb^{-1} (13 TeV)
Data (stat. ⊕ sys. unc.)
p-value(POWHEG): 0.18
Systematic uncertainty
SM (POWHEG + JHUGen + Pythia)
AC (POWHEG + JHUGen f_{a3}=0.5 + Pythia)
(LHCHWG YR4, m_H=125.38 GeV)
$d\sigma_{fid}/dD_{CP}^{dec}$ (fb)
10^3
10^2
10
1
10^{-1}
Ratio to SM
1.4
1.2
1
0.8
0.6
0.4
0.2
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
D_{CP}^{dec}