

CMS Simulation Preliminary

Arbitrary units

- $m_{Z'} = 600 \text{ GeV}, m_A = 300 \text{ GeV}$
- $m_{Z'} = 1200 \text{ GeV}, m_A = 300 \text{ GeV}$
- $m_{Z'} = 2000 \text{ GeV}, m_A = 300 \text{ GeV}$
- $m_{Z'} = 600 \text{ GeV}, m_A = 400 \text{ GeV}$
- $m_{Z'} = 1200 \text{ GeV}, m_A = 500 \text{ GeV}$
- $m_{Z'} = 2000 \text{ GeV}, m_A = 600 \text{ GeV}$

Z'-2HDM, Dirac DM

$g_{Z'}=0.8, g_\chi=1, m_\chi=100 \text{ GeV}, \tan\beta=1.0$
 $m_A=m_{H^\pm}=m_H$

