

101 fb⁻¹ (13 TeV)

$B(H \rightarrow Z_D Z_D)$

CMS

$gg \rightarrow H \rightarrow Z_D Z_D \rightarrow 2\mu 2X$

$c\tau_0^{Z_D} = 100$ mm

$B(Z_D \rightarrow \mu\mu)$ from JHEP 02 (2015) 157

— Observed limit (95% CL)

⋯ Median expected limit

68% expected

95% expected

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁵

0.7

1

2

3

4

5

6

7

8

9

10

20

30

40

50

m_{Z_D} [GeV]

