

CMS Simulation Supplementary

(13 TeV)

$gg \rightarrow H \rightarrow Z_D Z_D \rightarrow 2\mu 2X$
 $m_{Z_D} > 40 \text{ GeV}$

Generated l_{xy} [cm]

Trigger efficiency

[7,11]

0.00

0.13

0.22

0.26

0.26

0.40

[3.1,7]

0.03

0.23

0.37

0.44

0.48

0.65

[2.4,3.1]

0.02

0.27

0.39

0.49

0.55

0.69

[1,2.4]

0.03

0.32

0.46

0.54

0.57

0.66

[0.2,1]

0.04

0.35

0.54

0.59

0.62

0.73

[0,0.2]

0.07

0.51

0.70

0.75

0.78

0.81

[3,5]

[5,8]

[8,10]

[10,15]

[15,30]

>30

Generated trailing muon p_T [GeV]

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1