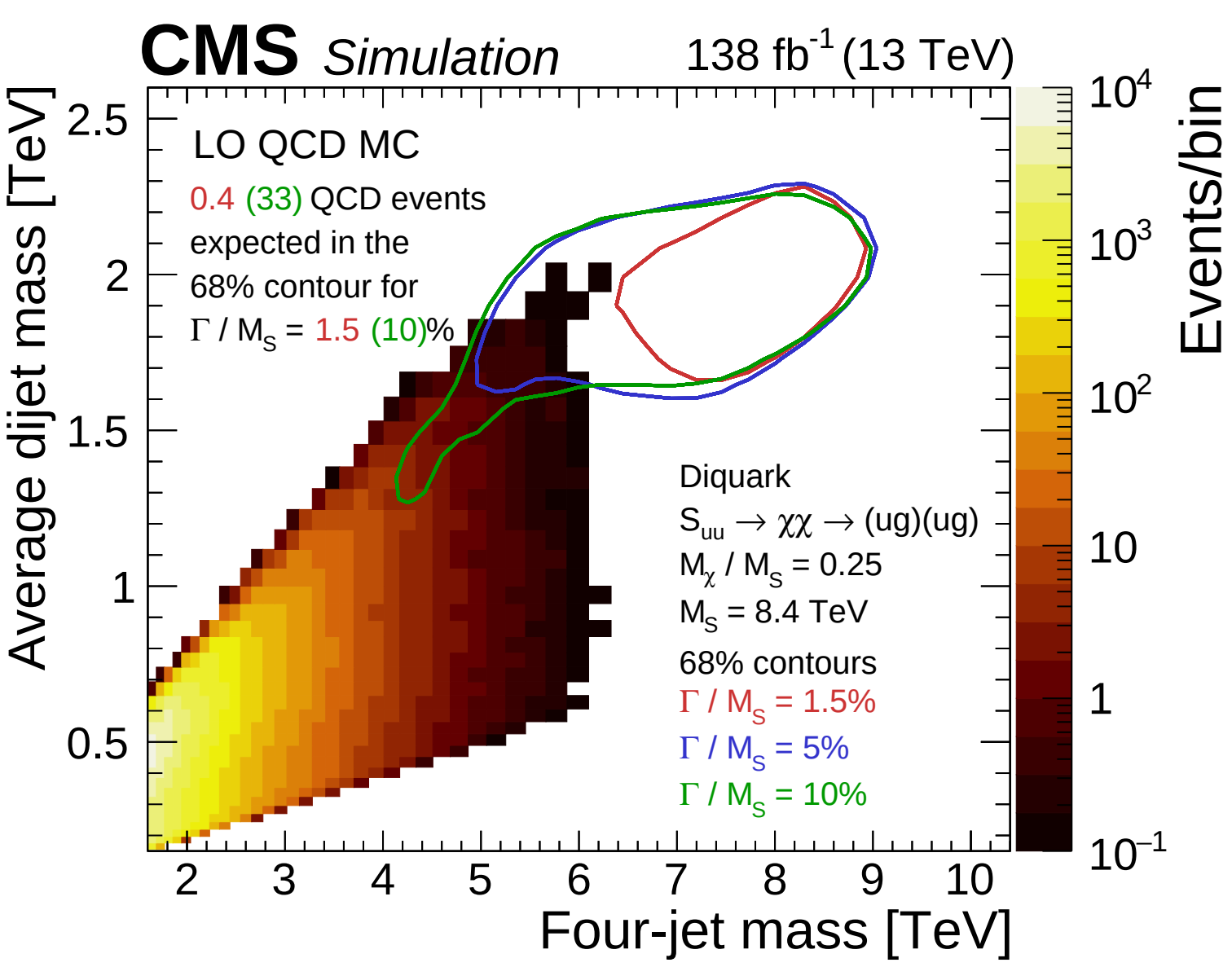
CMS Simulation
138 fb^{-1} (13 TeV)
LO QCD MC
0.4 (33) QCD events
expected in the
68% contour for
Γ / M_S = 1.5 (10)%
Diquark
$S_{uu} \rightarrow \chi\chi \rightarrow$ (ug)(ug)
M_χ / M_S = 0.25
M_S = 8.4 TeV
68% contours
Γ / M_S = 1.5%
Γ / M_S = 5%
Γ / M_S = 10%
Average dijet mass [TeV]
Four-jet mass [TeV]
Events/bin
0.5
1
1.5
2
2.5
2
3
4
5
6
7
8
9
10
10^{-1}
1
10
10^2
10^3
10^4