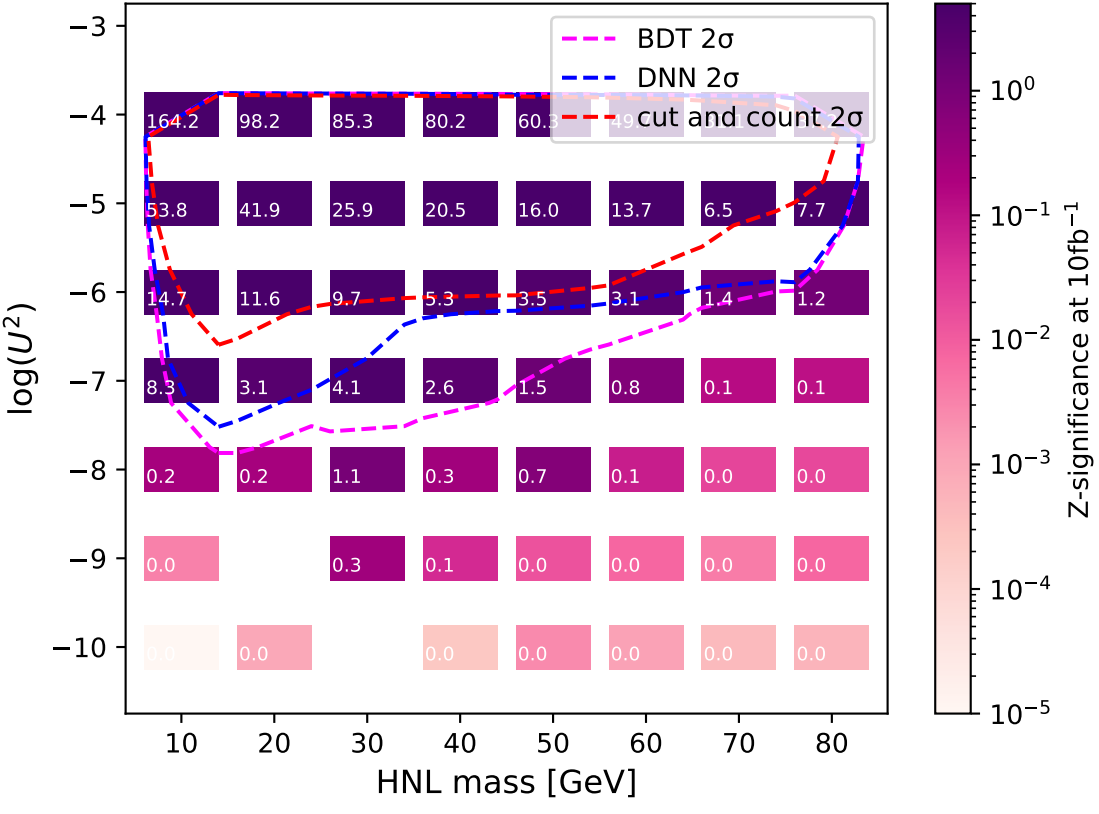
BDT 2σ
DNN 2σ
cut and count 2σ
164.2
98.2
85.3
80.2
60.3
53.8
41.9
25.9
20.5
16.0
13.7
6.5
7.7
14.7
11.6
9.7
5.3
3.5
3.1
1.4
1.2
8.3
3.1
4.1
2.6
1.5
0.8
0.1
0.1
0.2
0.2
1.1
0.3
0.7
0.1
0.0
0.0
0.0
0.3
0.1
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
−3
−4
−5
−6
−7
−8
−9
−10
log(U^2)
10
20
30
40
50
60
70
80
HNL mass [GeV]
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
Z-significance at 10fb^{-1}