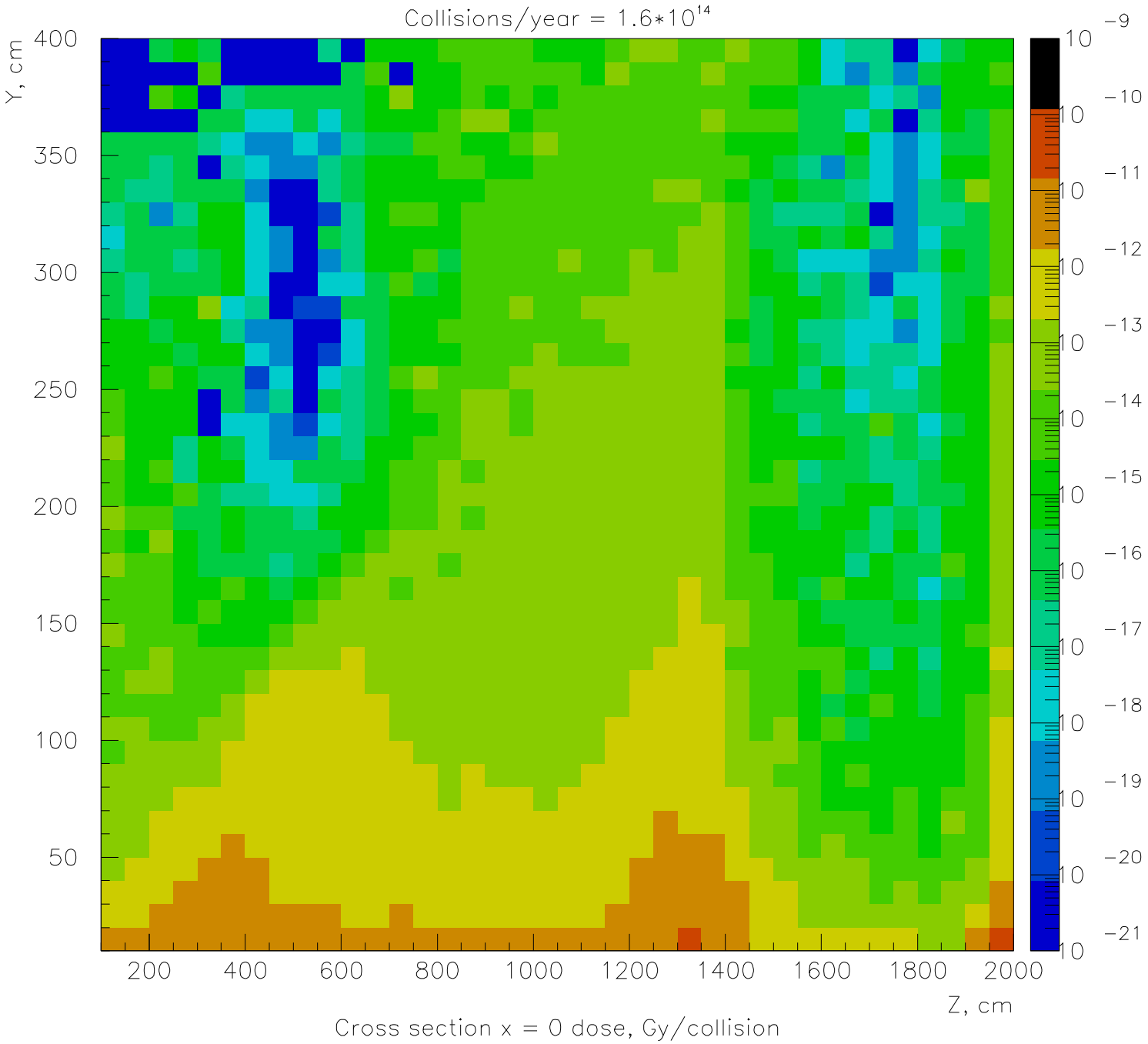
Collisions/year = 1.6*10^14
Y, cm
400
350
300
250
200
150
100
50
200
400
600
800
1000
1200
1400
1600
1800
2000
Z, cm
10^-9
10^-10
10^-11
10^-12
10^-13
10^-14
10^-15
10^-16
10^-17
10^-18
10^-19
10^-20
10^-21
Cross section x = 0 dose, Gy/collision