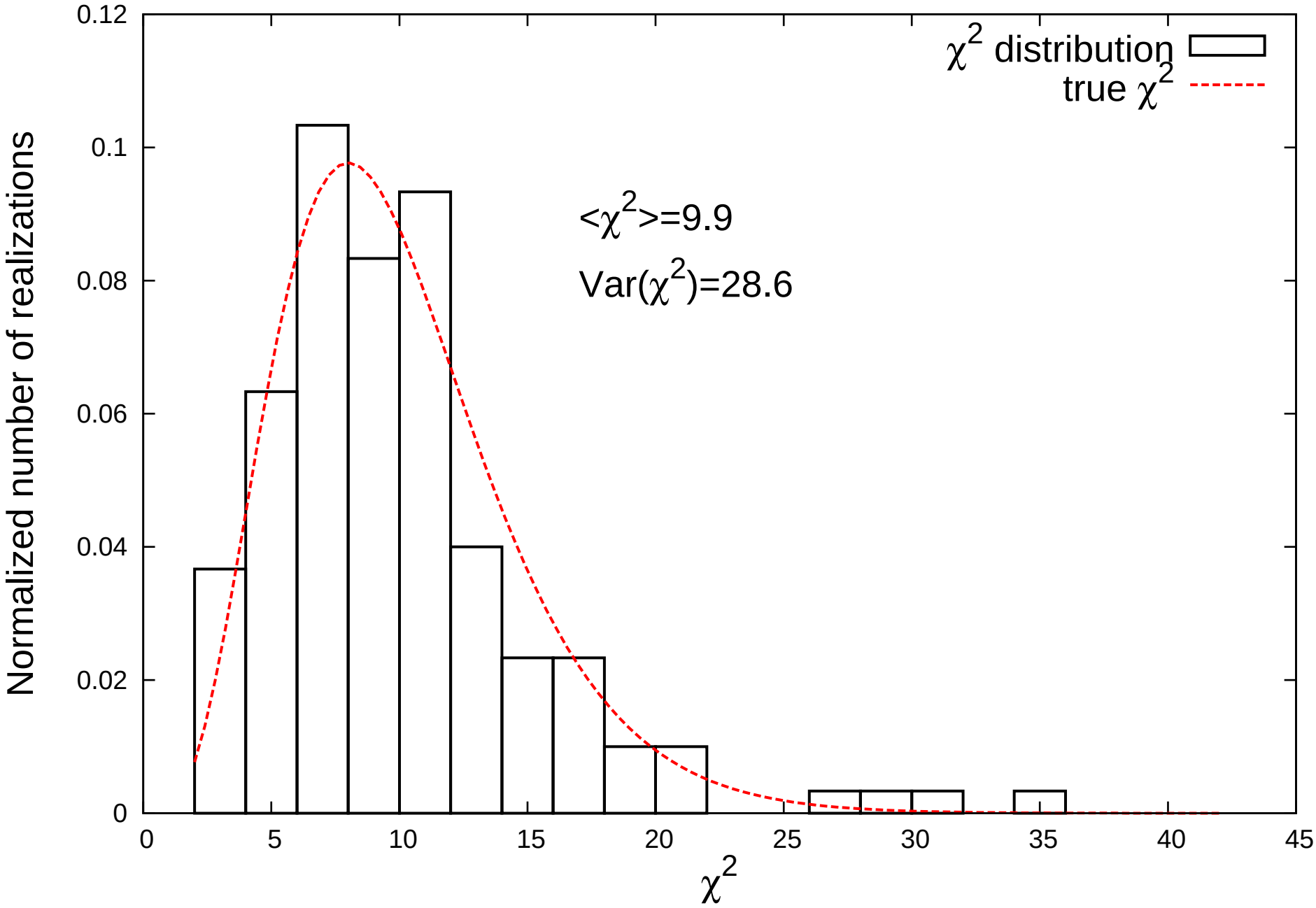
0.12
0.1
0.08
0.06
0.04
0.02
0
0
5
10
15
20
25
30
35
40
45
Normalized number of realizations
χ^2
χ^2 distribution
true χ^2
$<\chi^2>=9.9$
$Var(\chi^2)=28.6$