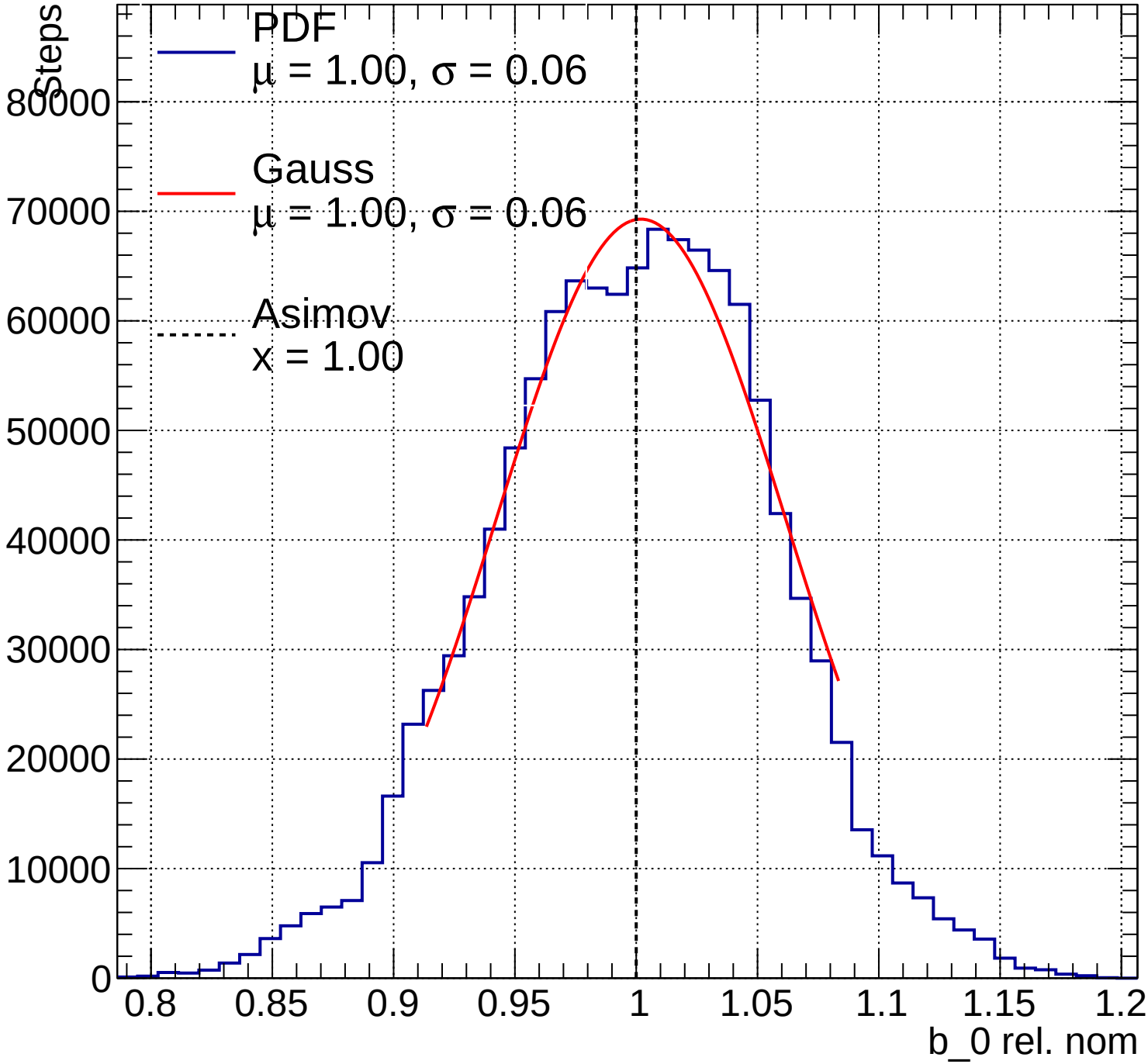
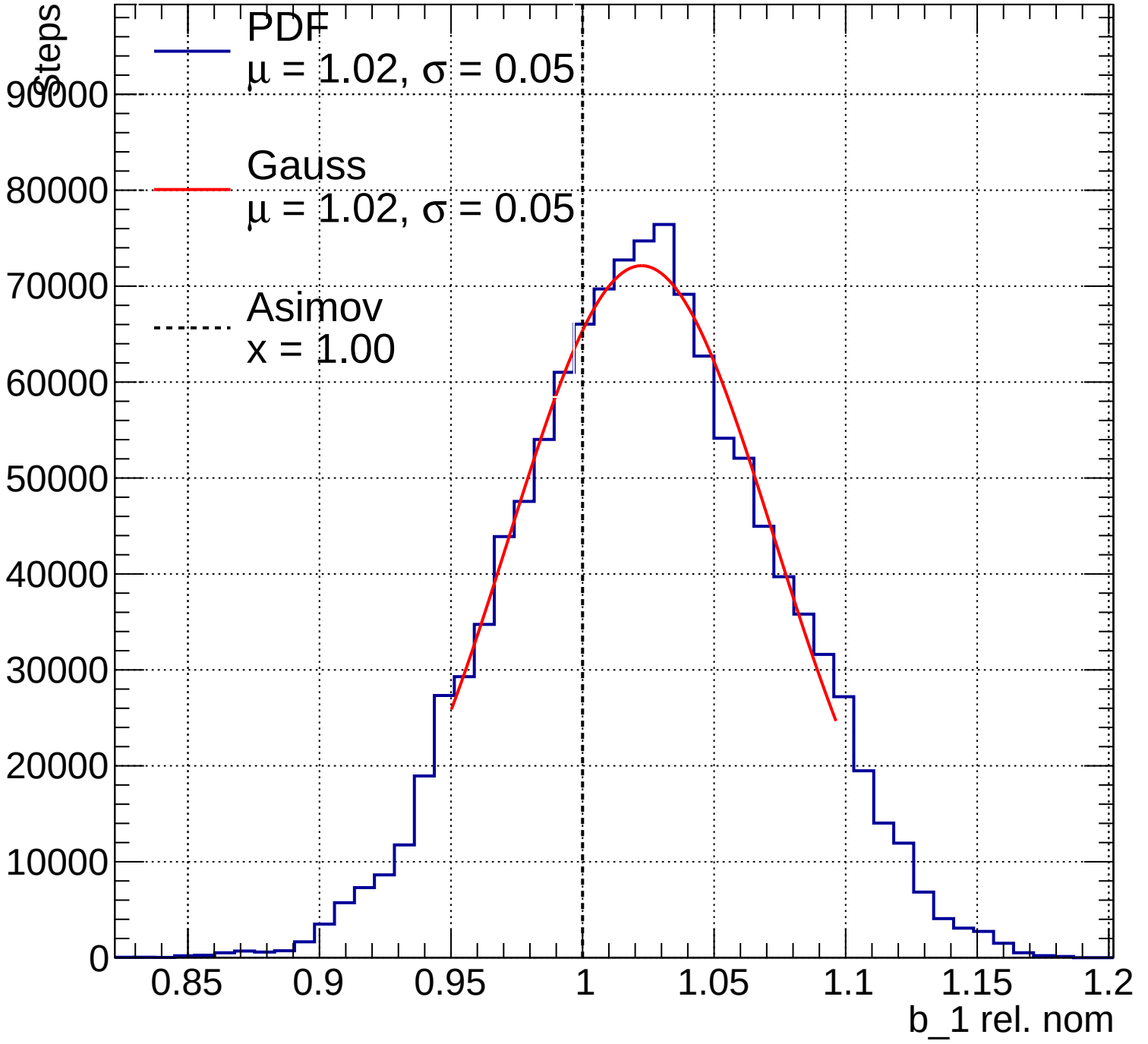
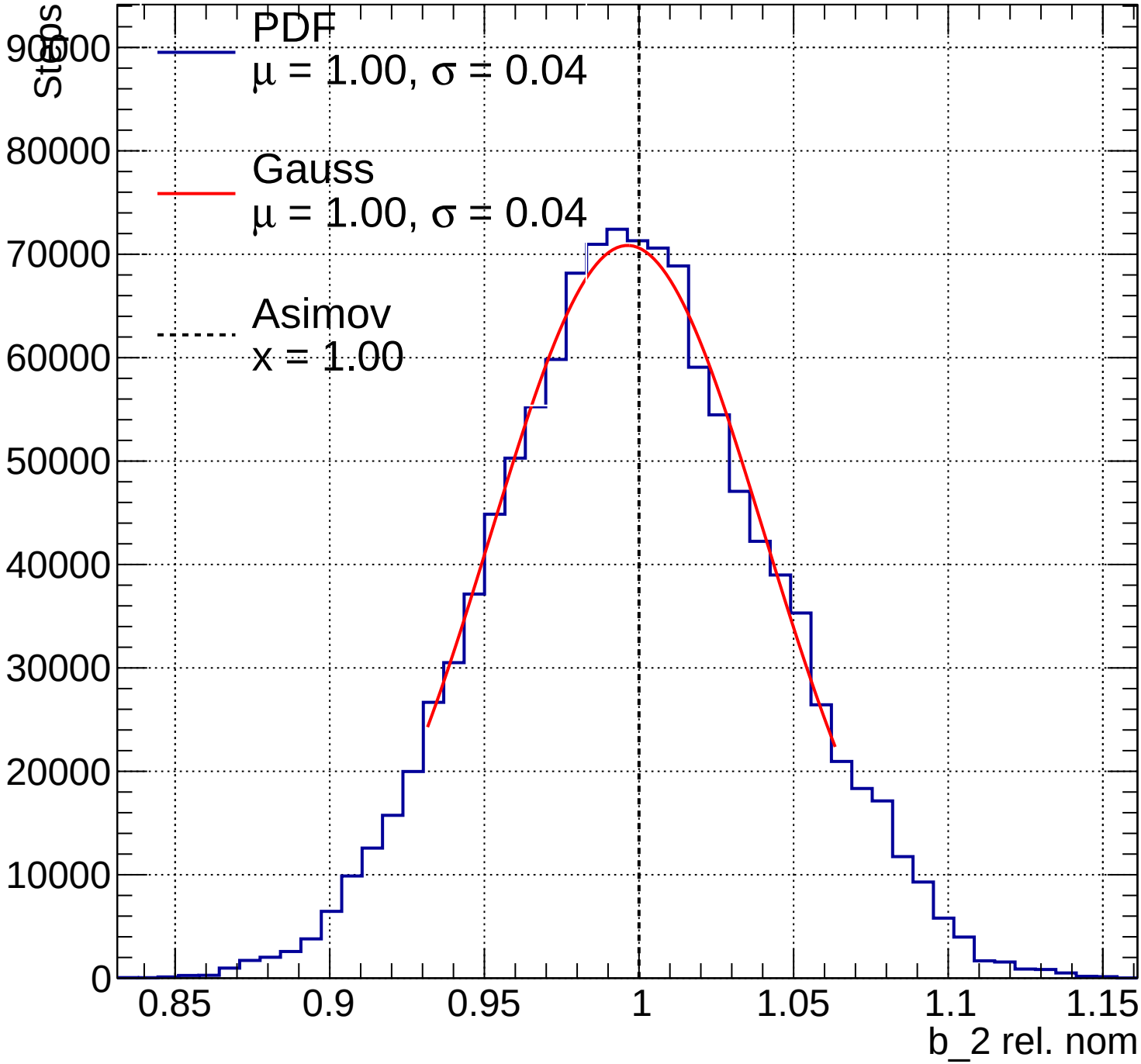
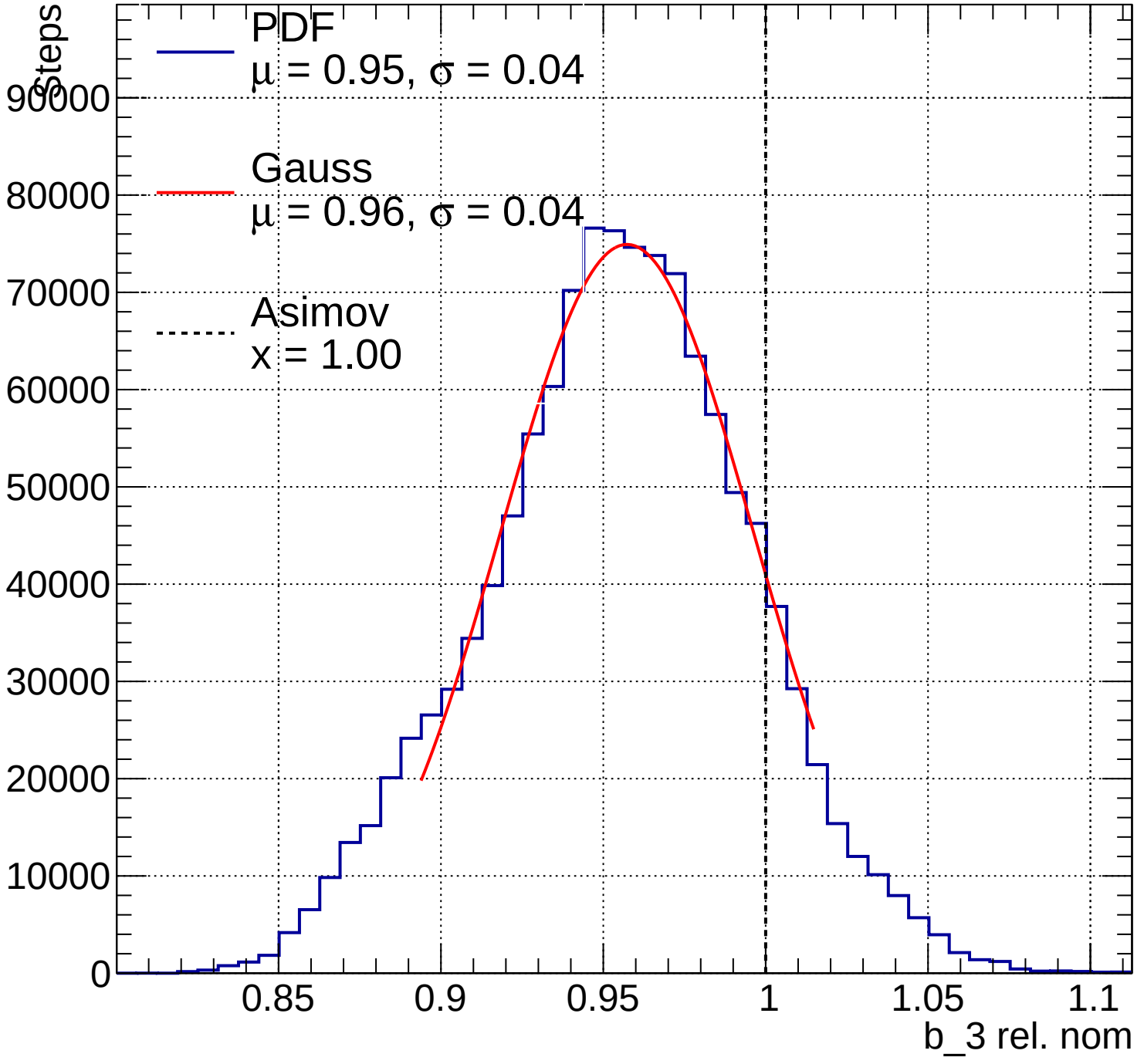
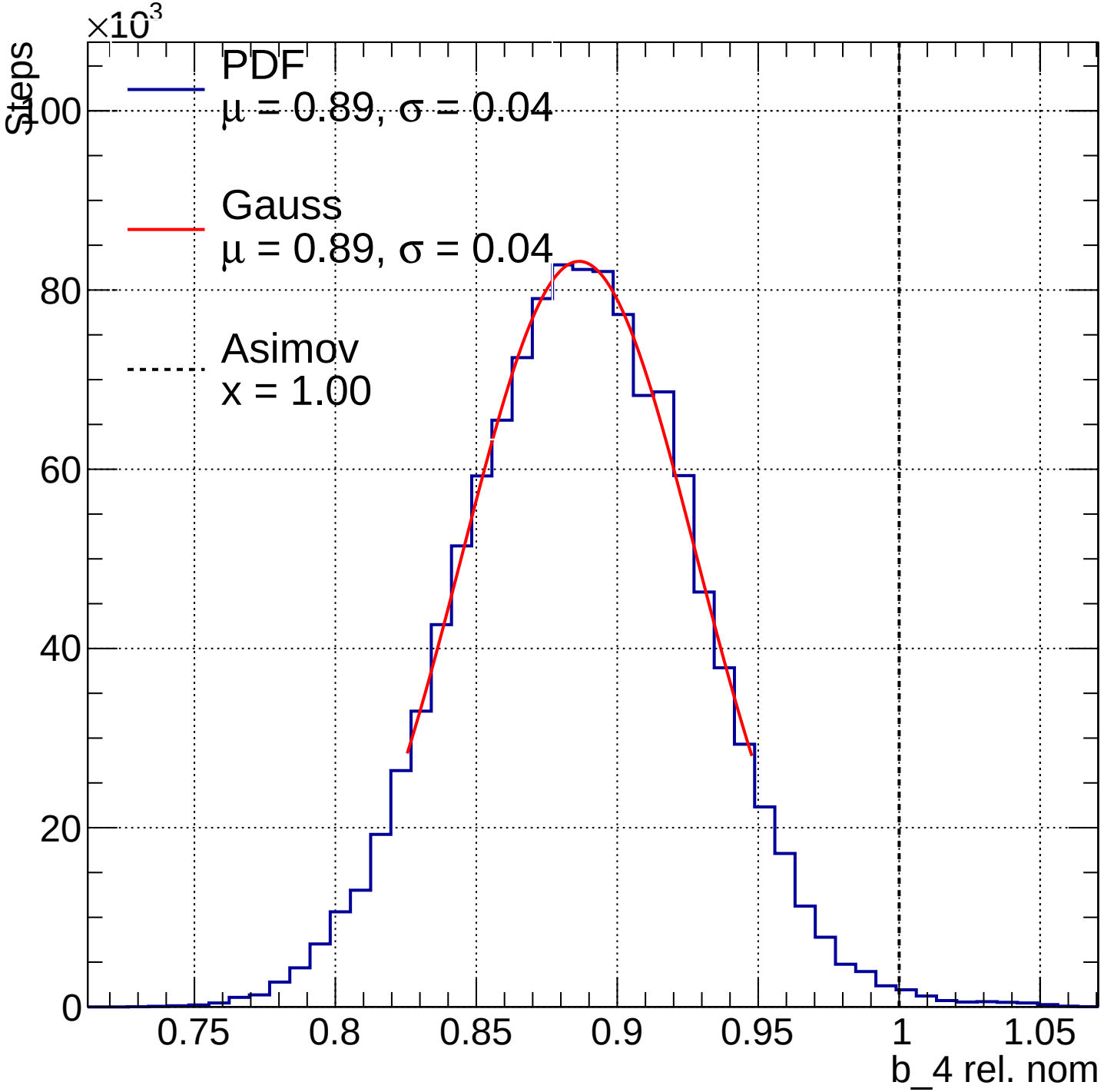
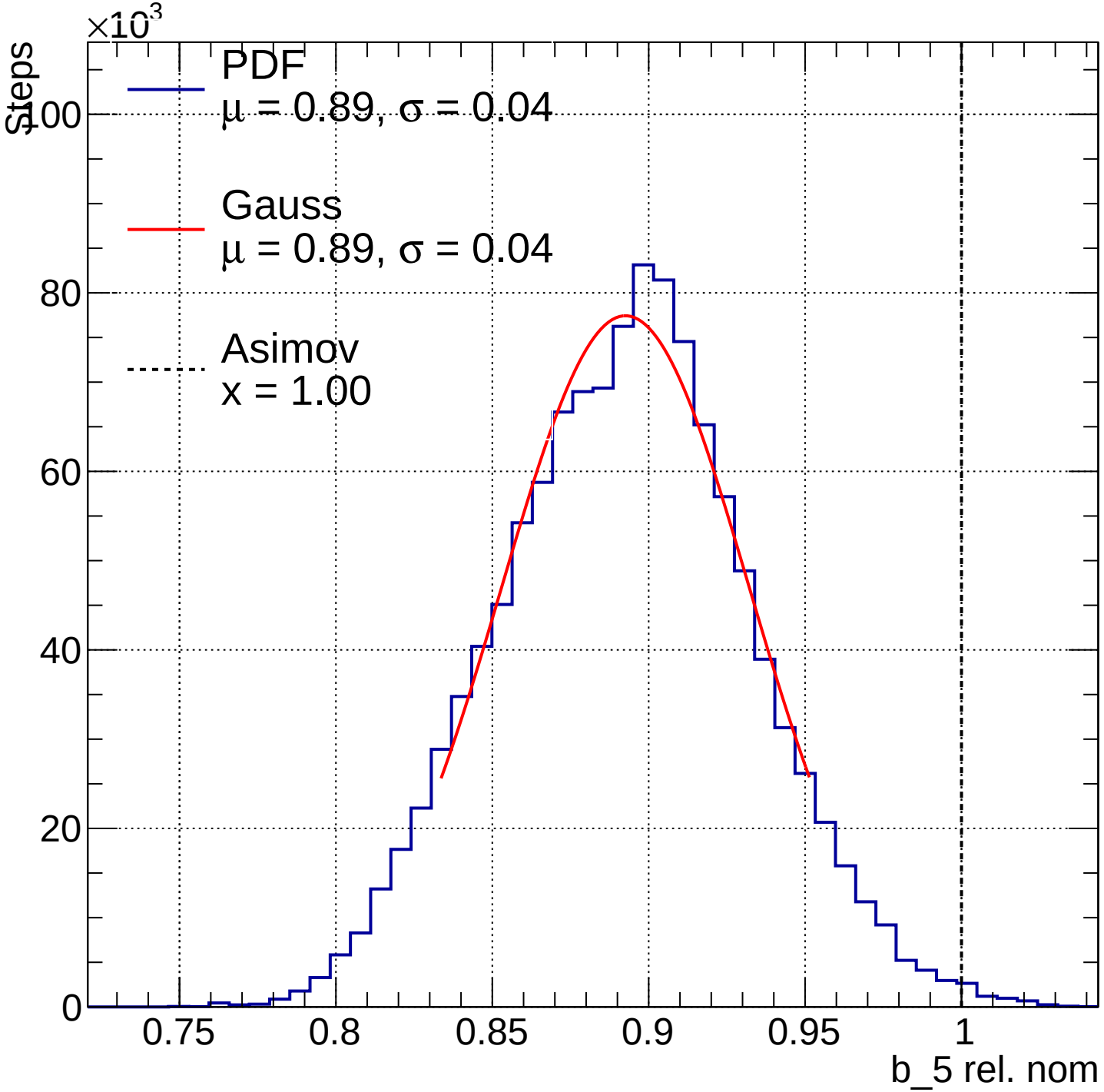

PDF
μ = 1.00, σ = 0.06
Gauss
μ = 1.00, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_0 rel. nom

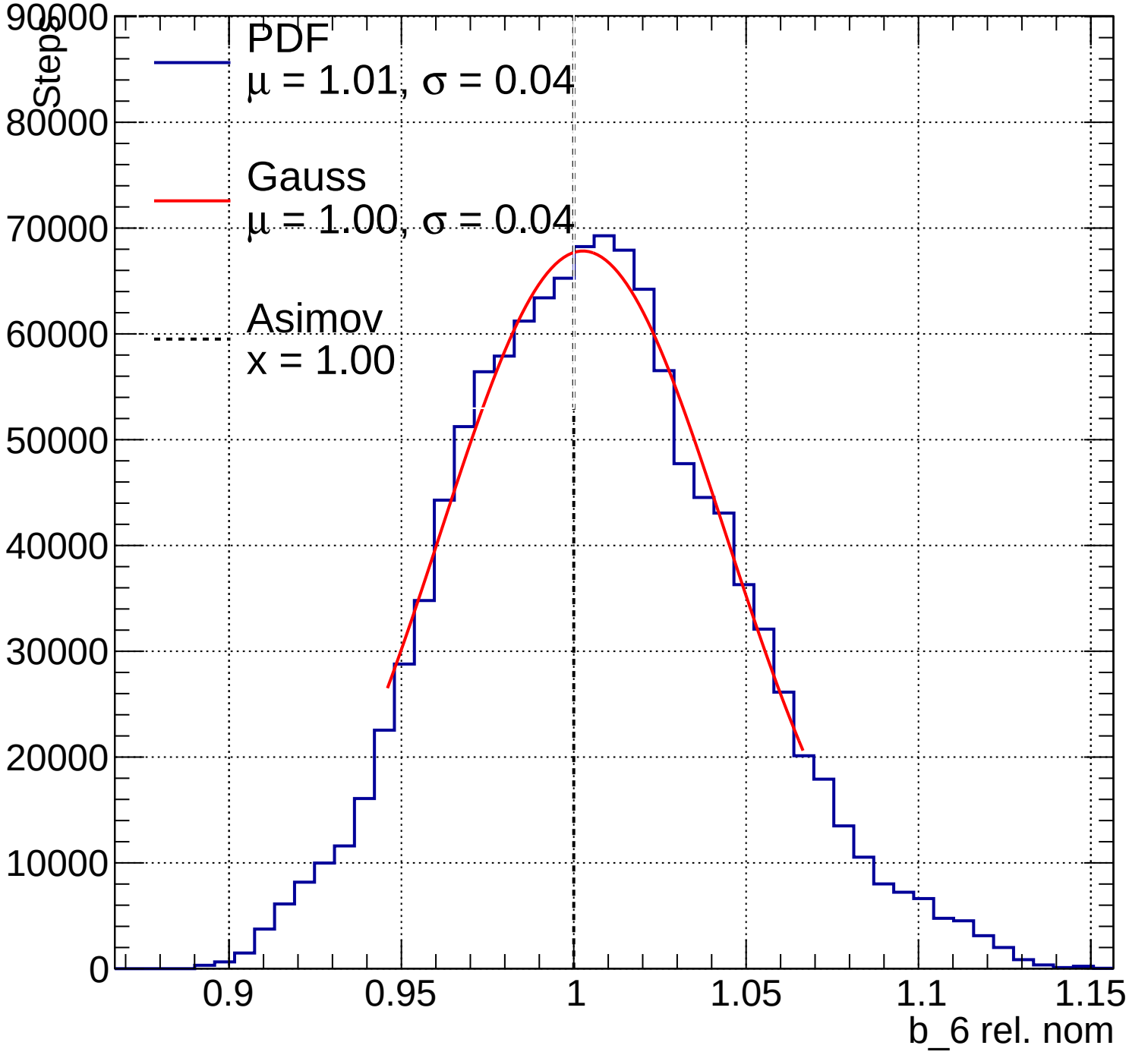

PDF
μ = 1.02, σ = 0.05
Gauss
μ = 1.02, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_1 rel. nom

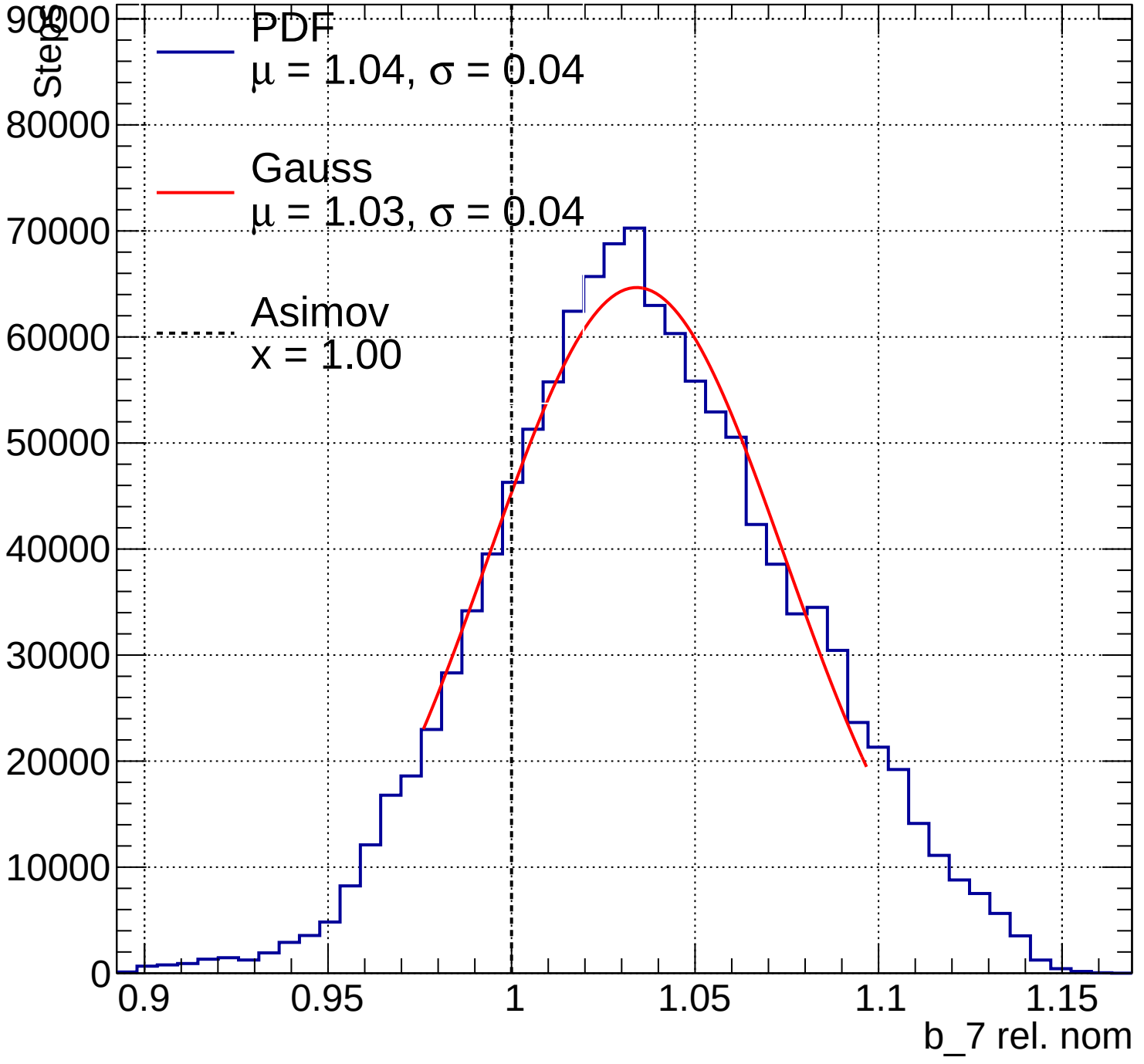

PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_2 rel. nom

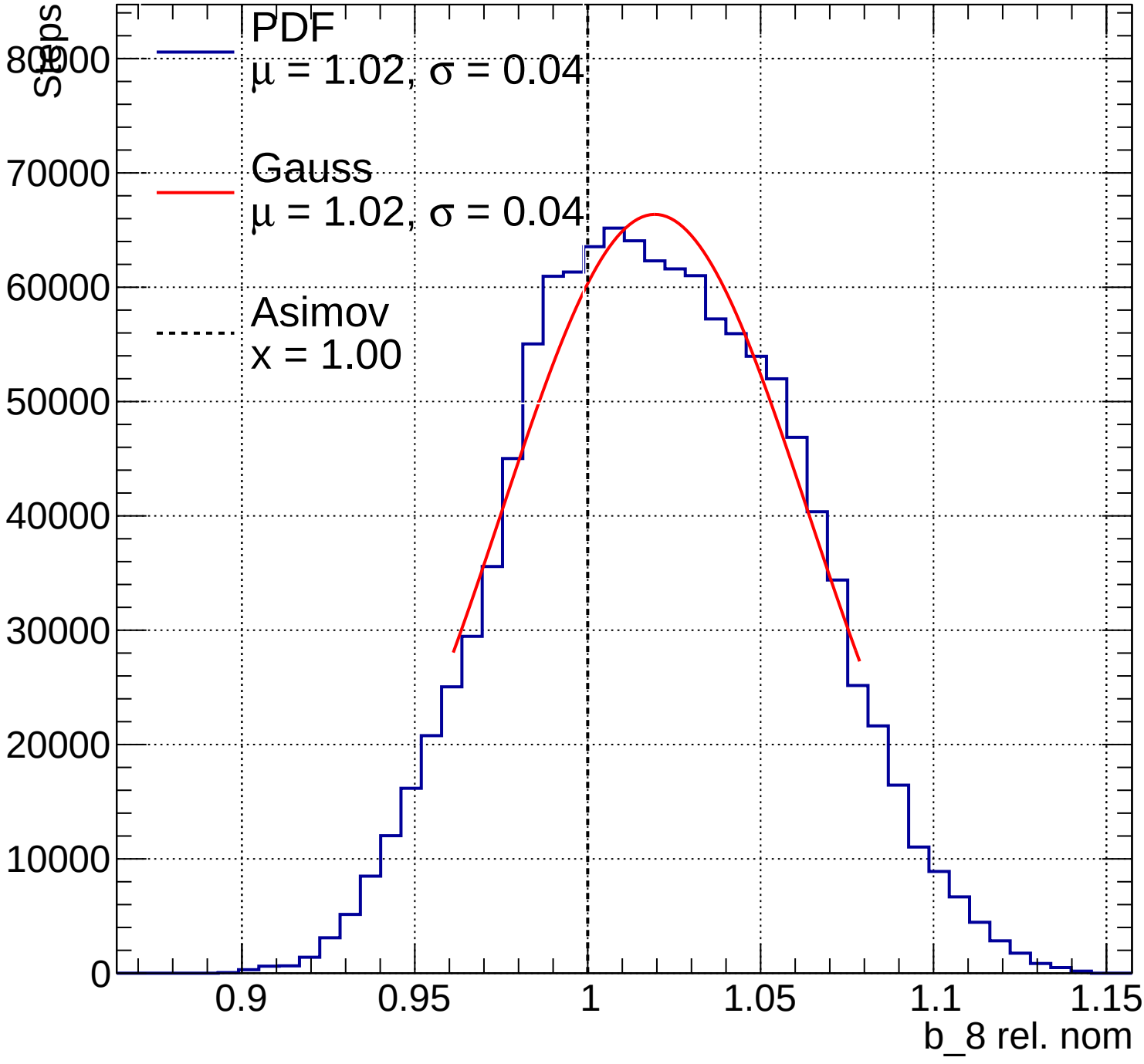

PDF
μ = 0.95, σ = 0.04
Gauss
μ = 0.96, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_3 rel. nom

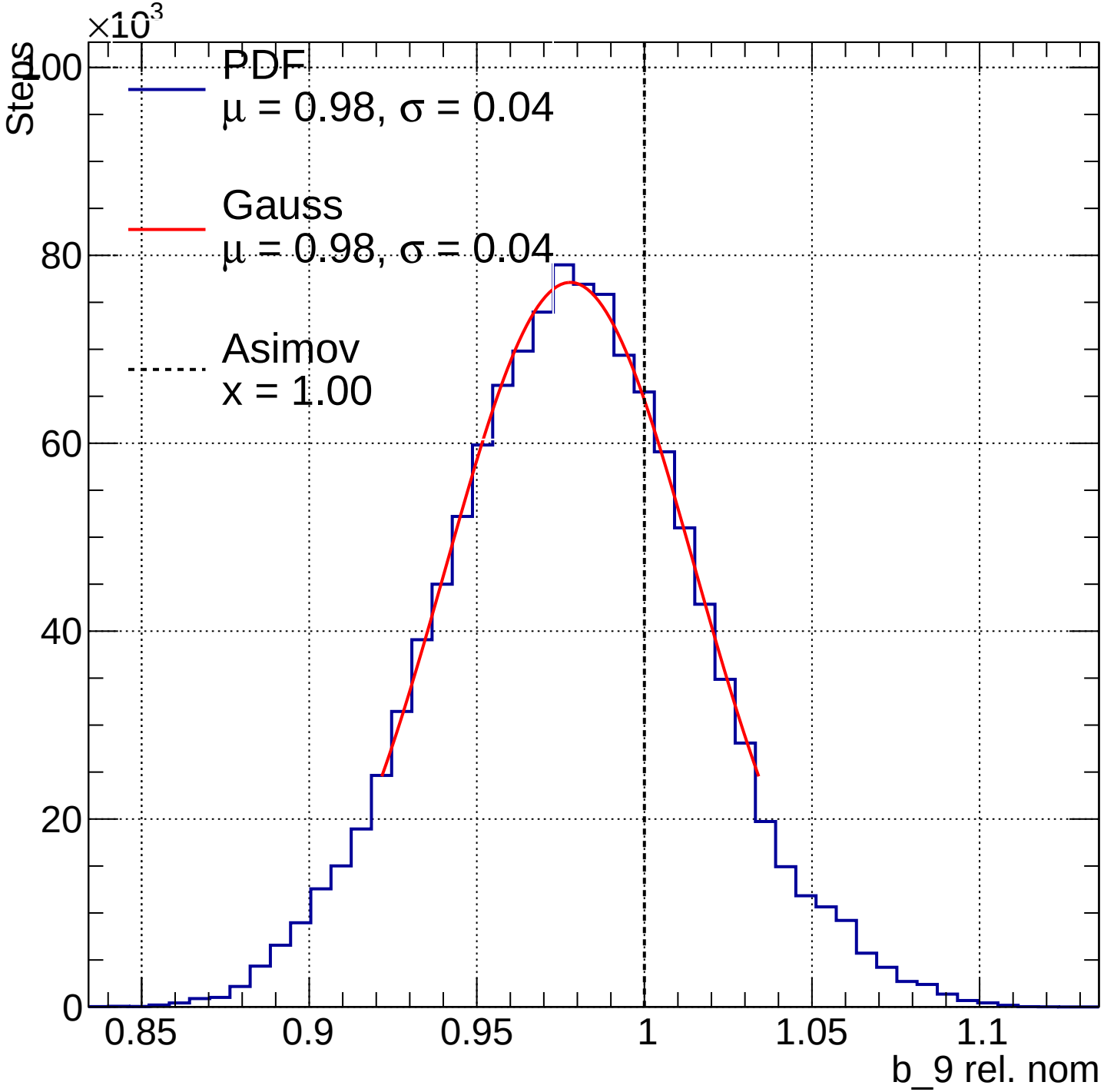

×10^3
Steps
PDF
μ = 0.89, σ = 0.04
Gauss
μ = 0.89, σ = 0.04
Asimov
x = 1.00
100
80
60
40
20
0
0.75
0.8
0.85
0.9
0.95
1
1.05
b_4 rel. nom

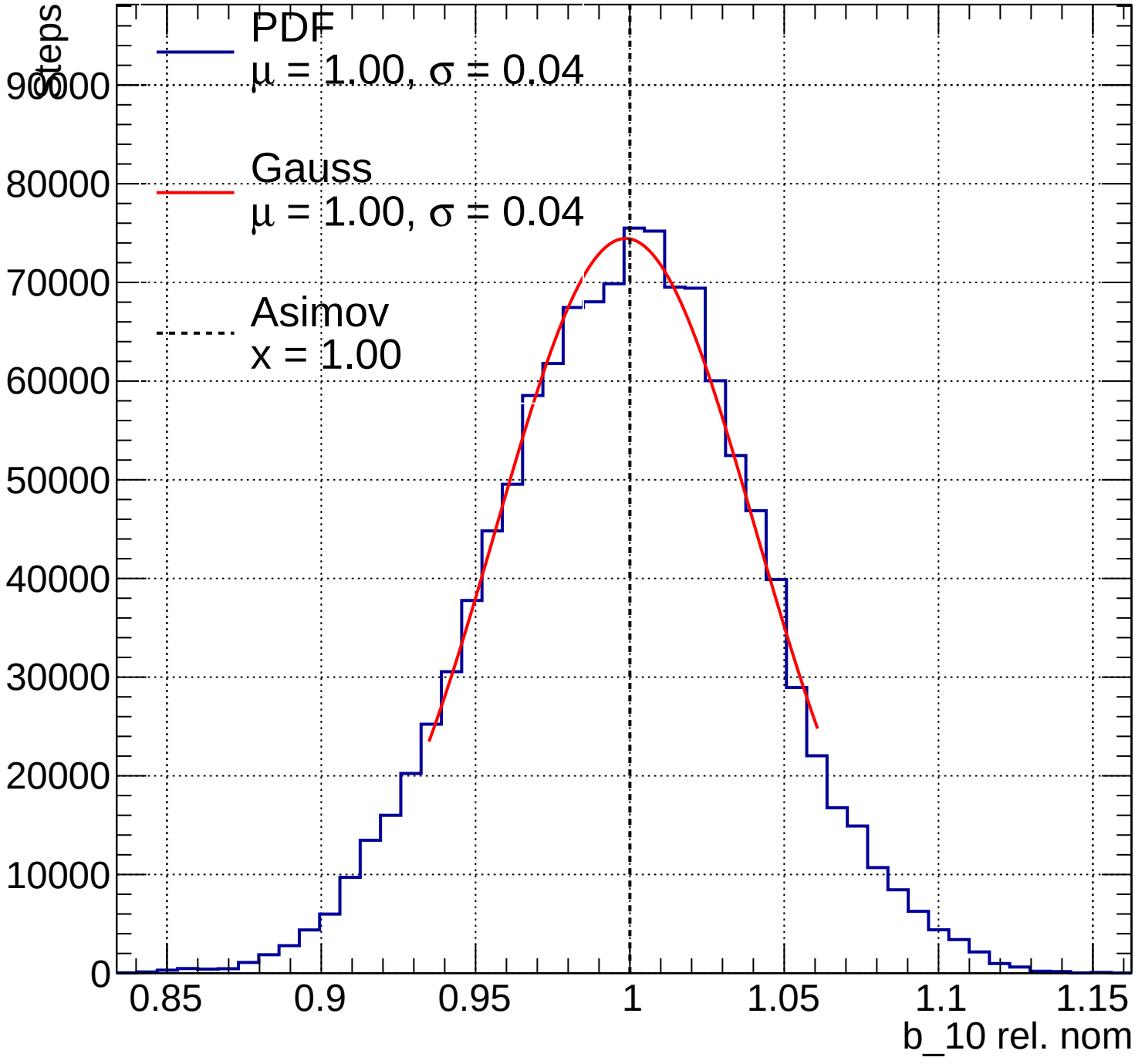

×10^3
Steps
PDF
μ = 0.89, σ = 0.04
Gauss
μ = 0.89, σ = 0.04
Asimov
x = 1.00
100
80
60
40
20
0
0.75
0.8
0.85
0.9
0.95
1
b_5 rel. nom

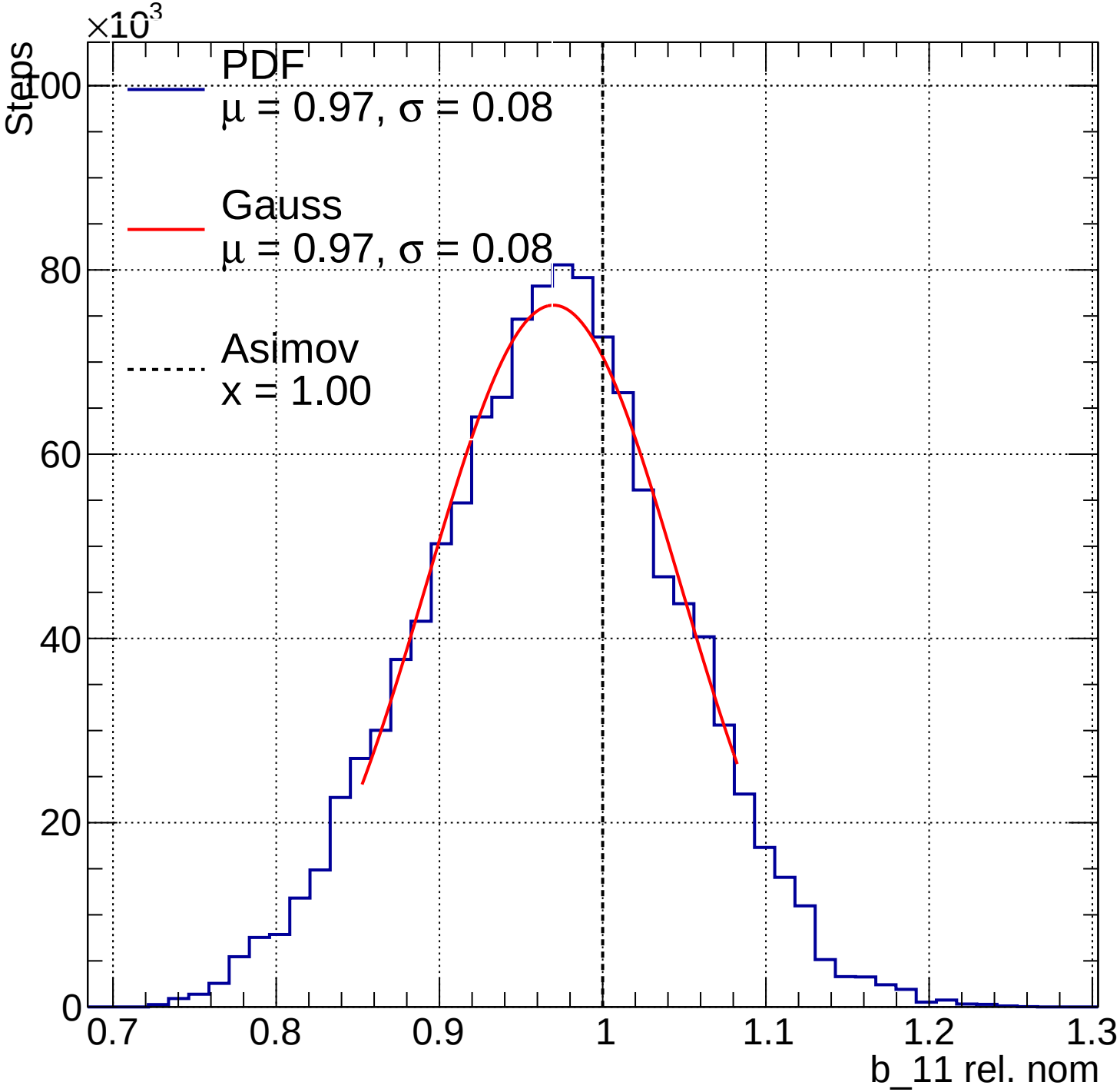

PDF
μ = 1.01, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_6 rel. nom

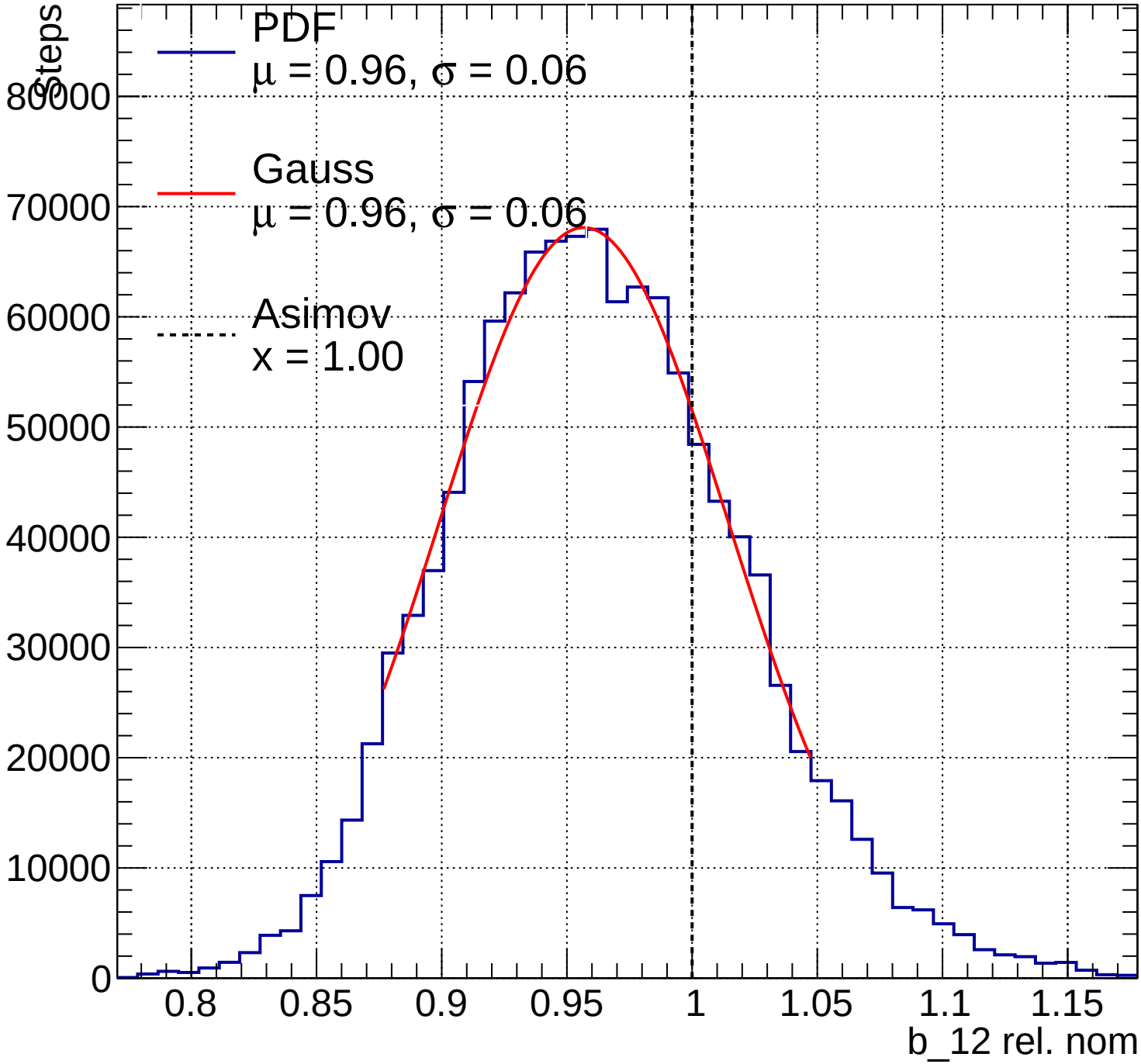

PDF
μ = 1.04, σ = 0.04
Gauss
μ = 1.03, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_7 rel. nom

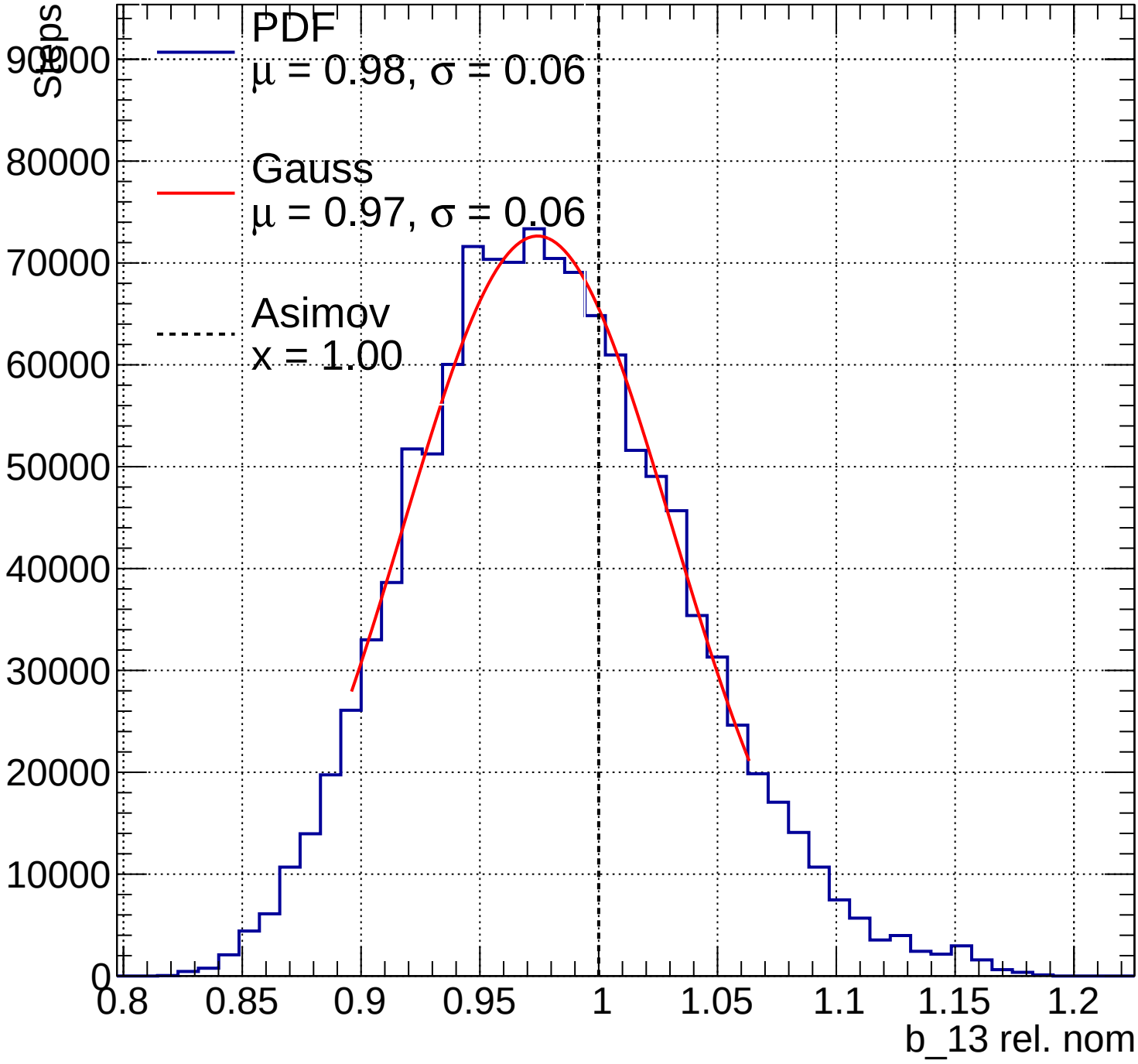

PDF
μ = 1.02, σ = 0.04
Gauss
μ = 1.02, σ = 0.04
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_8 rel. nom

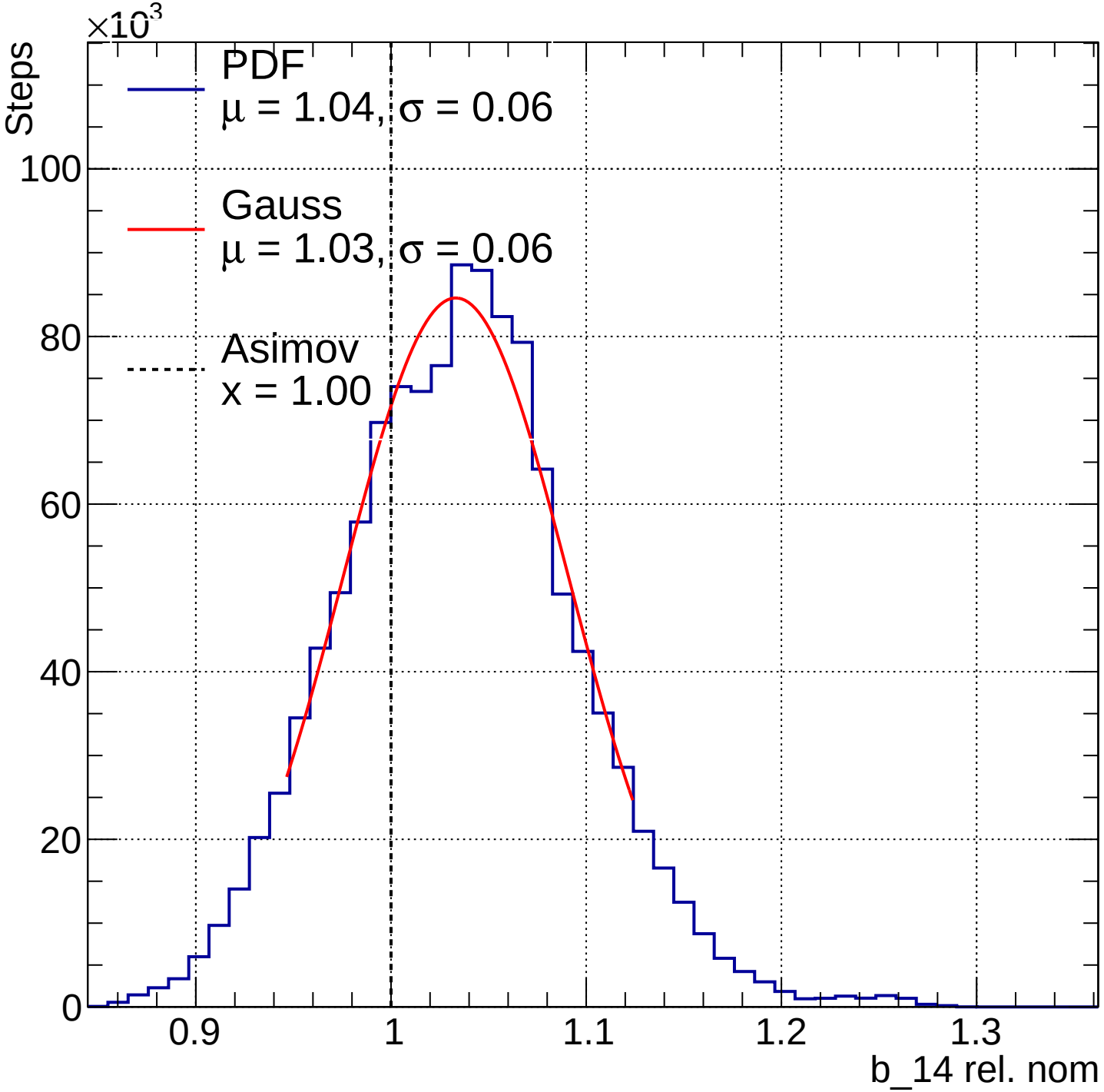

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.98, σ = 0.04
Gauss
μ = 0.98, σ = 0.04
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
b_9 rel. nom

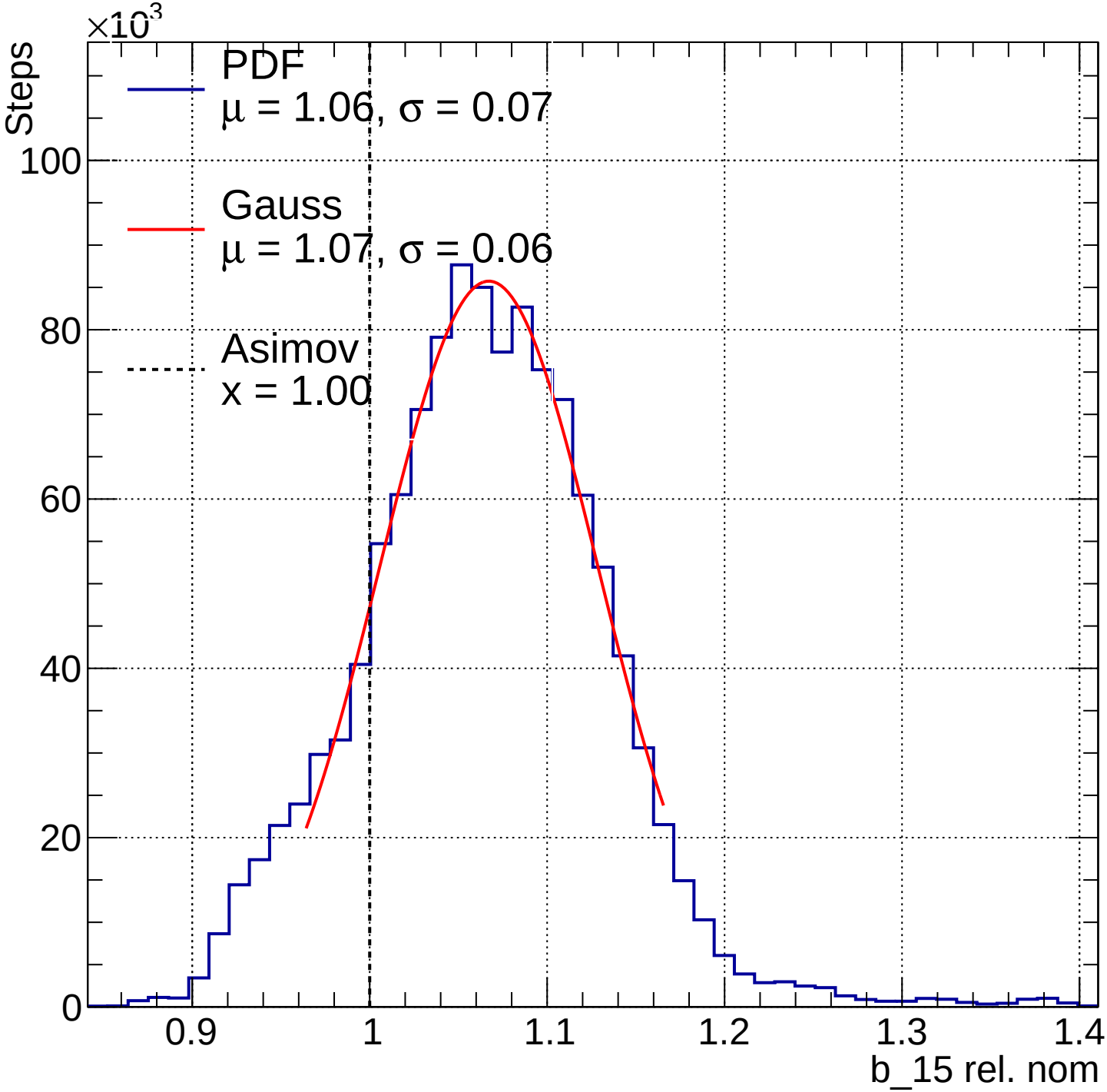

PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_10 rel. nom

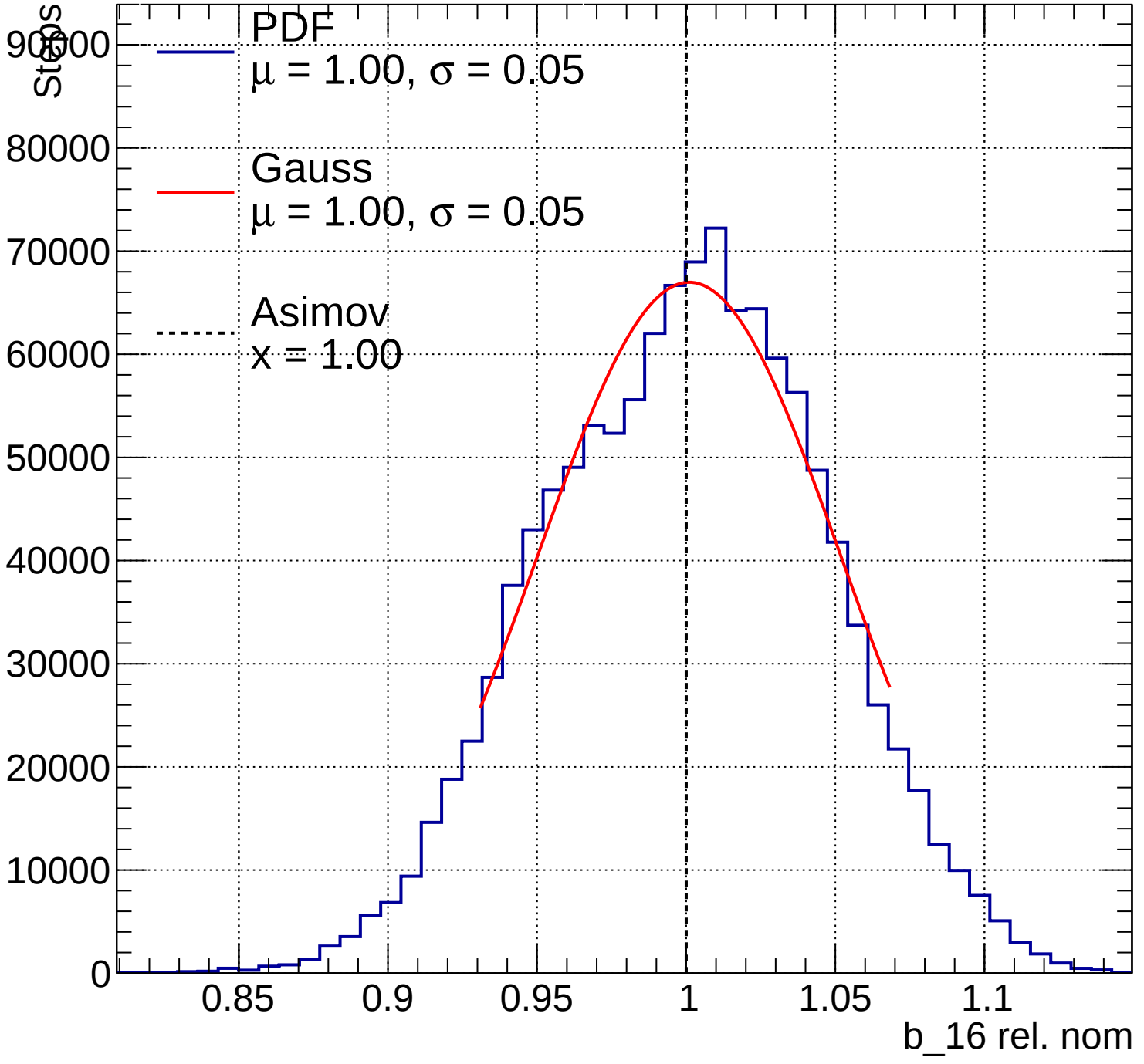

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.97, σ = 0.08
Gauss
μ = 0.97, σ = 0.08
Asimov
x = 1.00
0.7
0.8
0.9
1
1.1
1.2
1.3
b_11 rel. nom

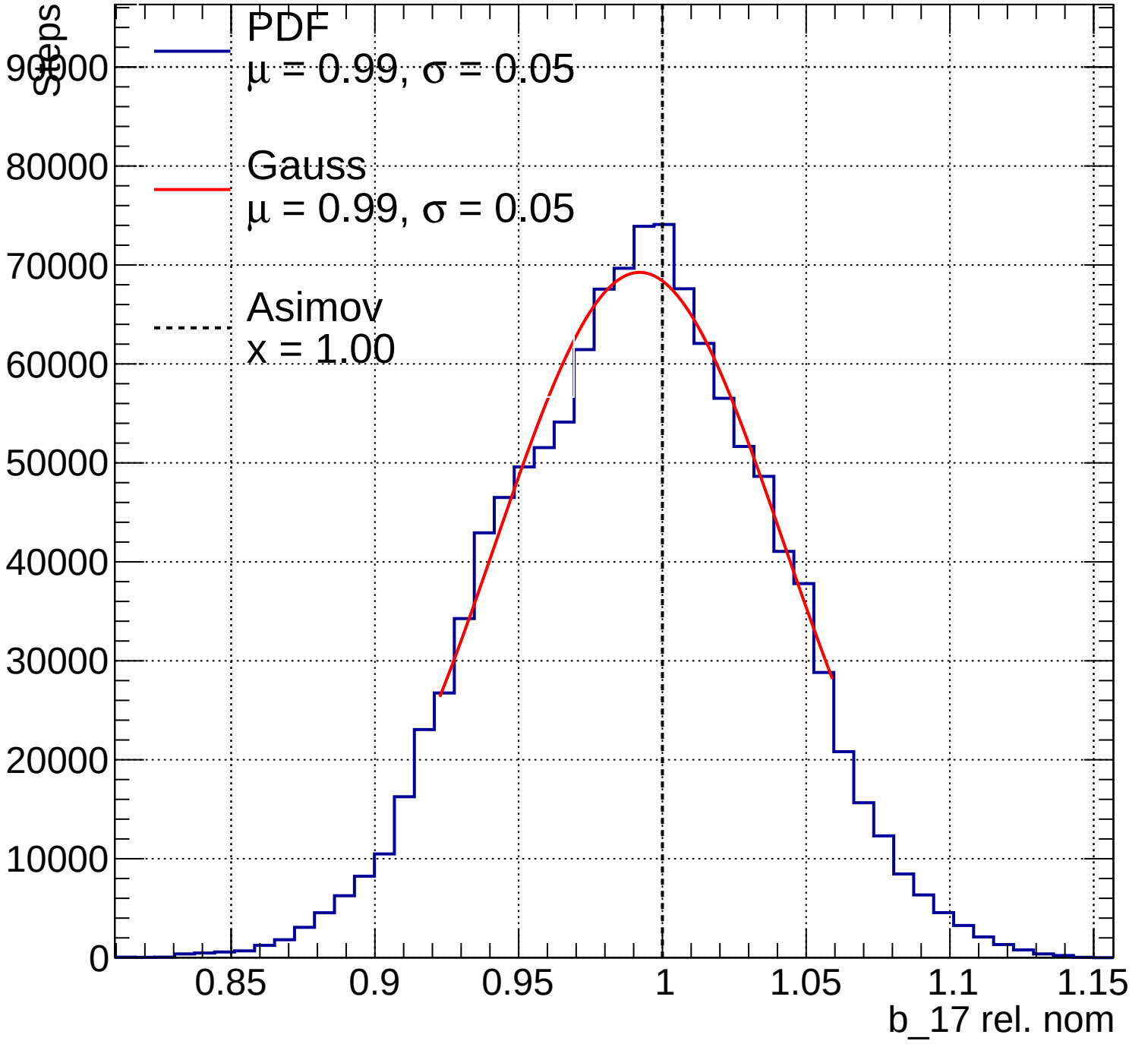

PDF
μ = 0.96, σ = 0.06
Gauss
μ = 0.96, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_12 rel. nom

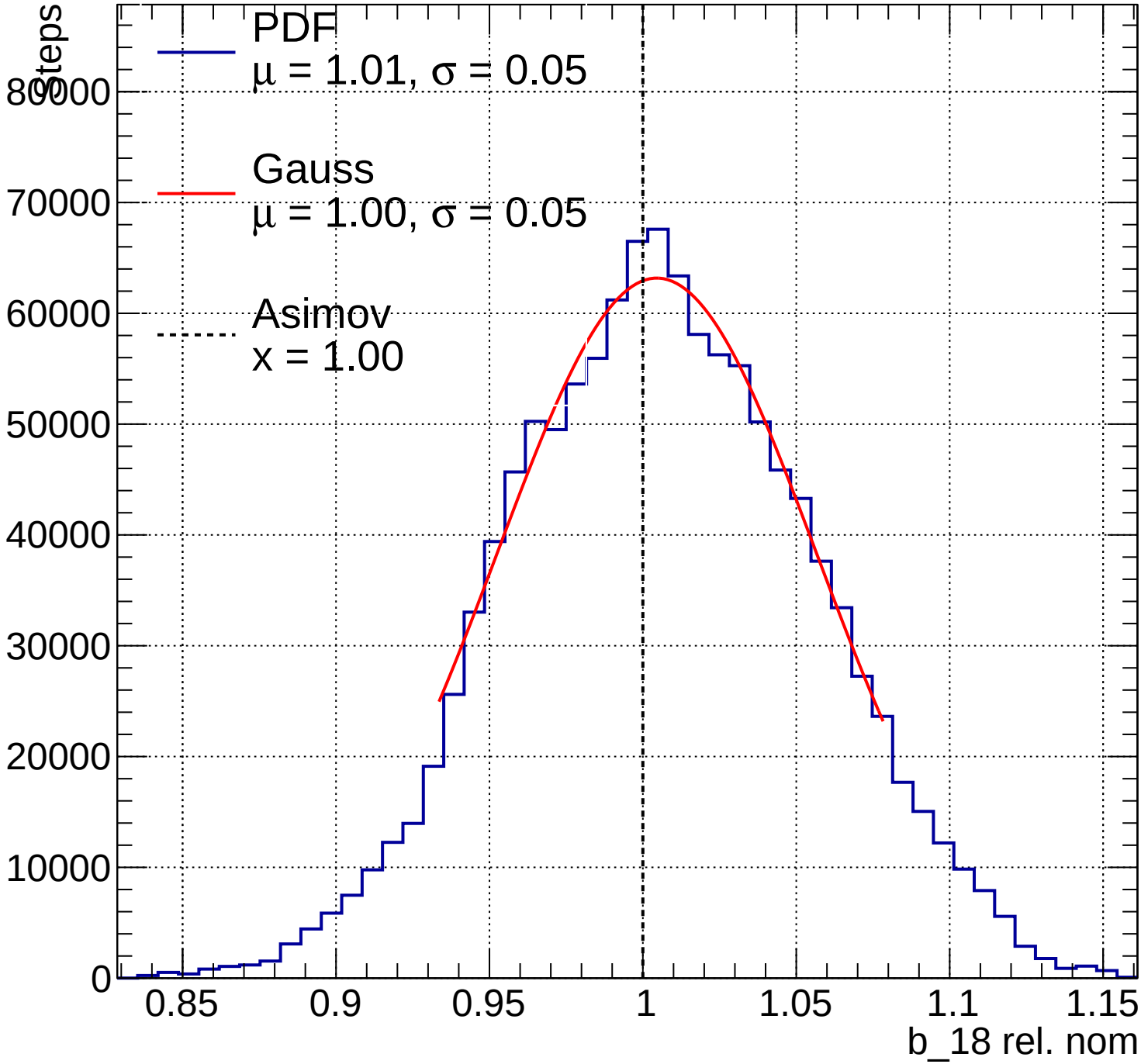

PDF
μ = 0.98, σ = 0.06
Gauss
μ = 0.97, σ = 0.06
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_13 rel. nom

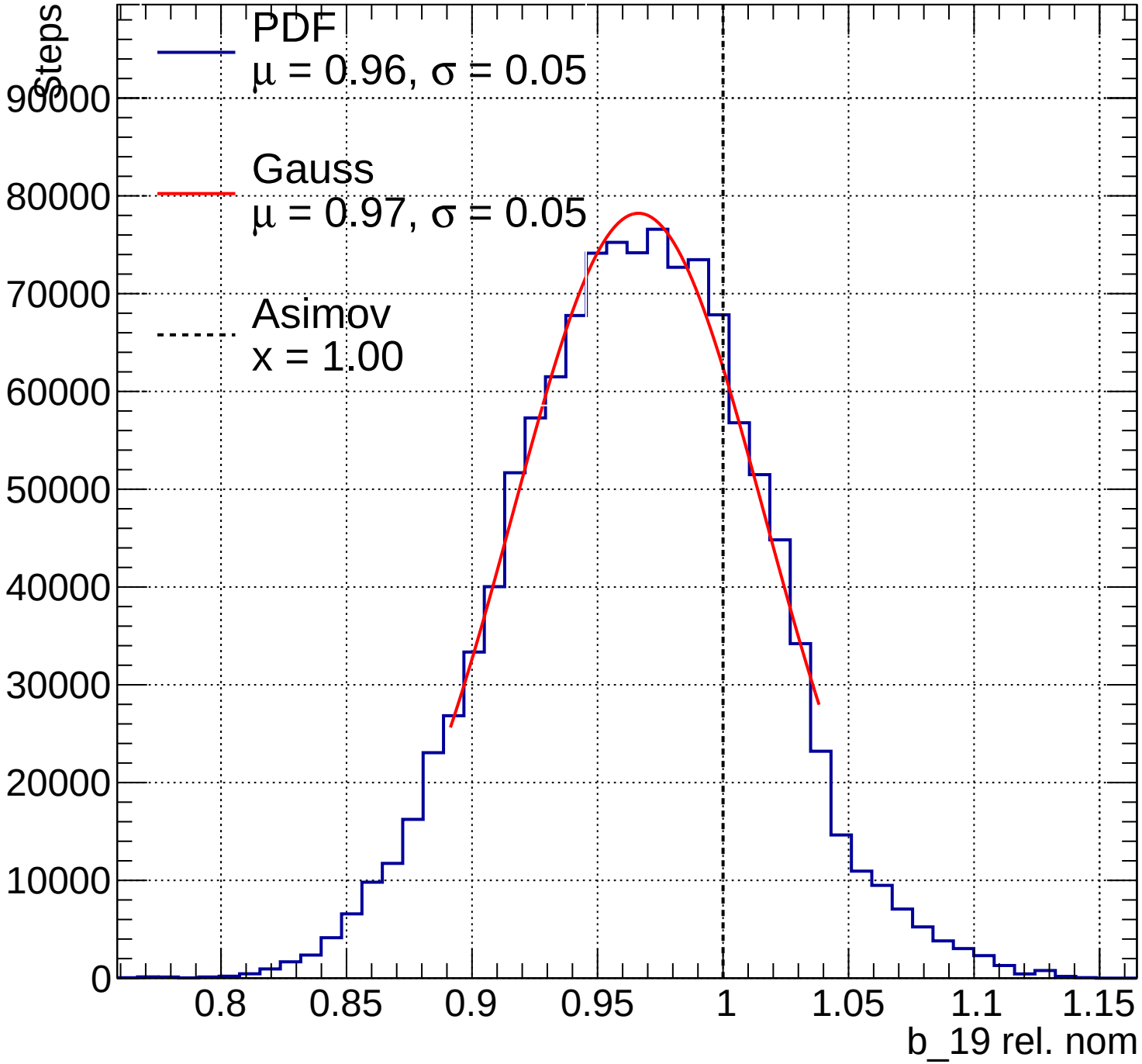

×10^3
Steps
PDF
μ = 1.04, σ = 0.06
Gauss
μ = 1.03, σ = 0.06
Asimov
x = 1.00
100
80
60
40
20
0
0.9
1
1.1
1.2
1.3
b_14 rel. nom

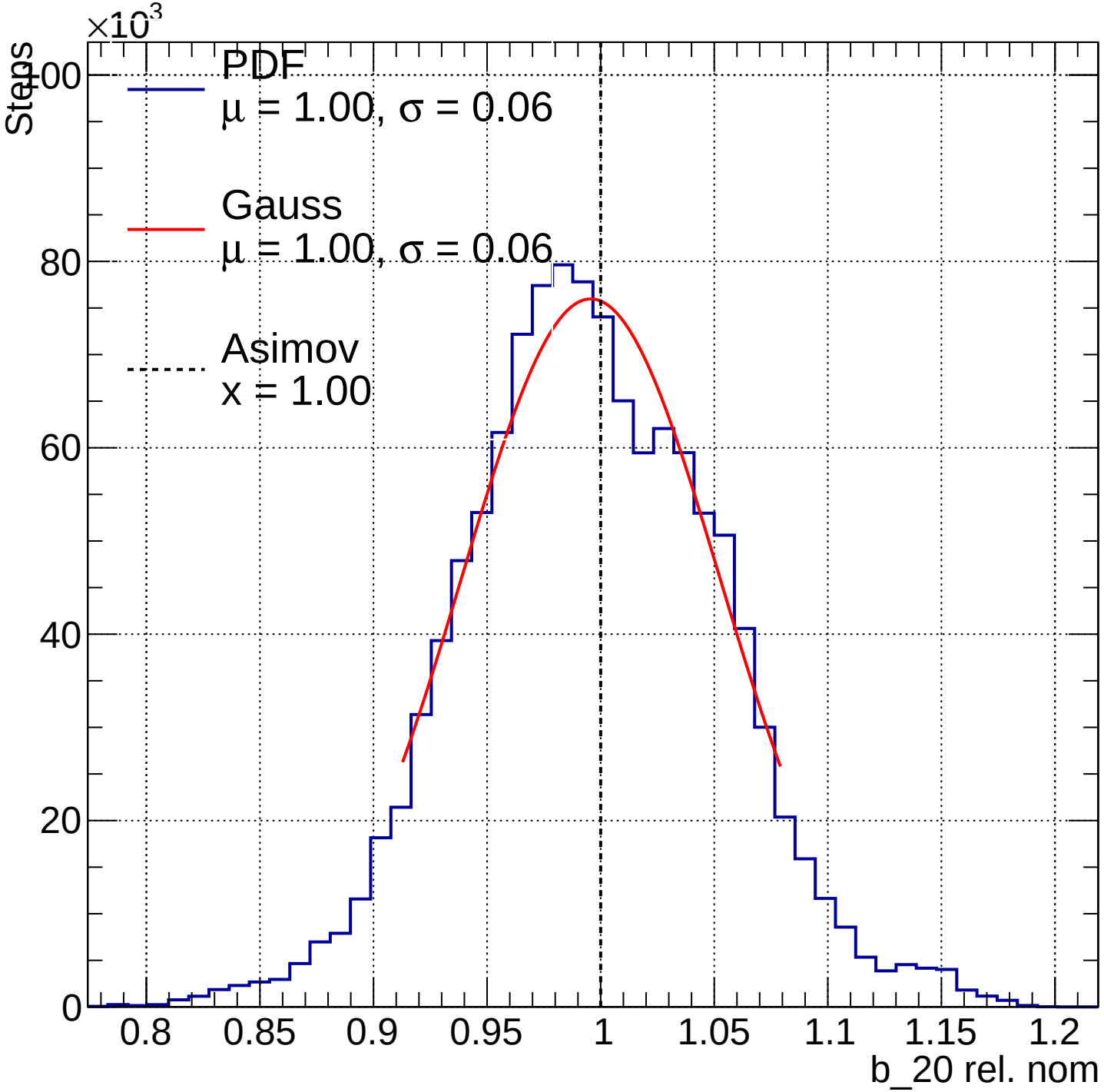

×10^3
Steps
PDF
μ = 1.06, σ = 0.07
Gauss
μ = 1.07, σ = 0.06
Asimov
x = 1.00
100
80
60
40
20
0
0.9
1
1.1
1.2
1.3
1.4
b_15 rel. nom

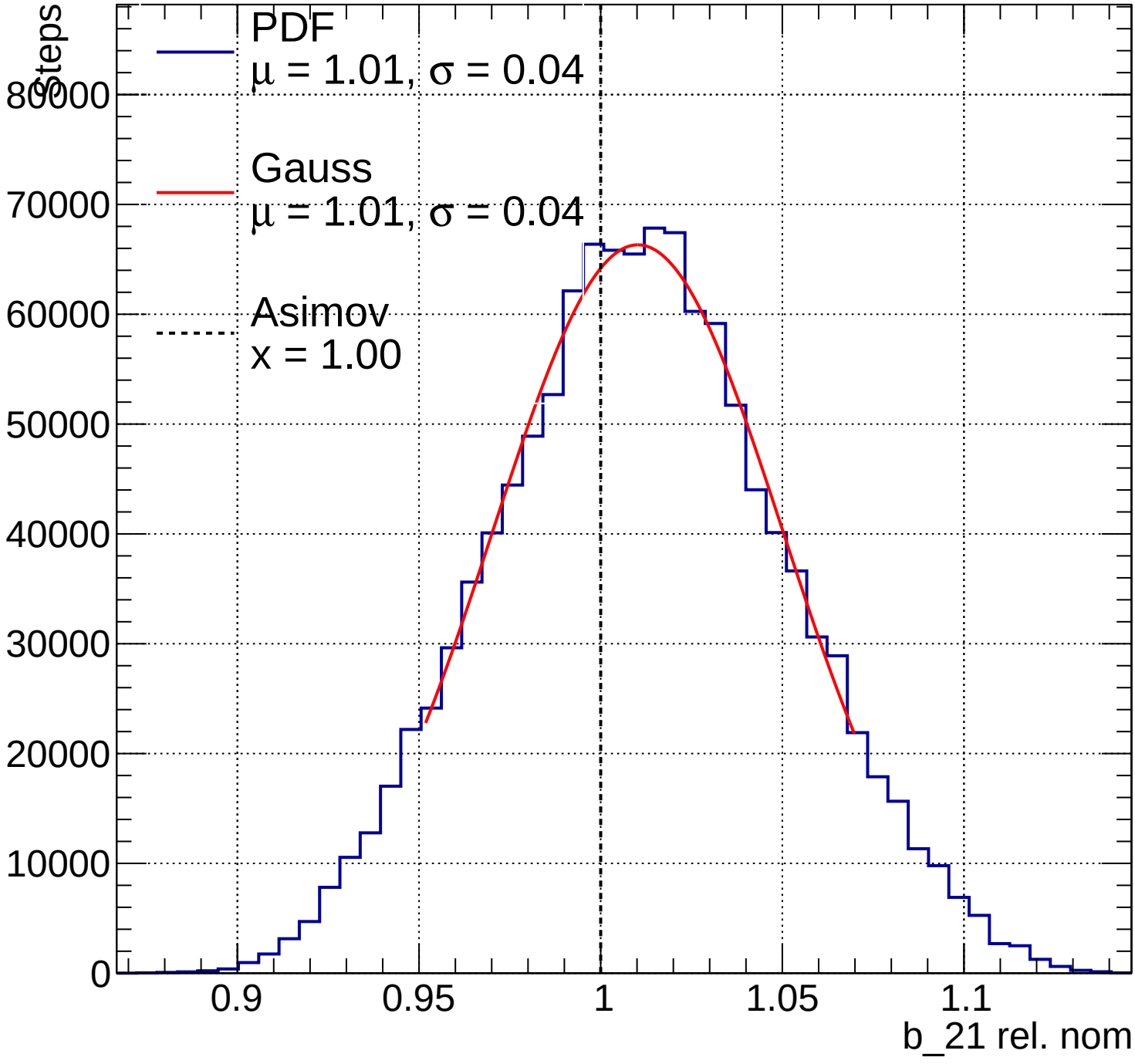

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_16 rel. nom

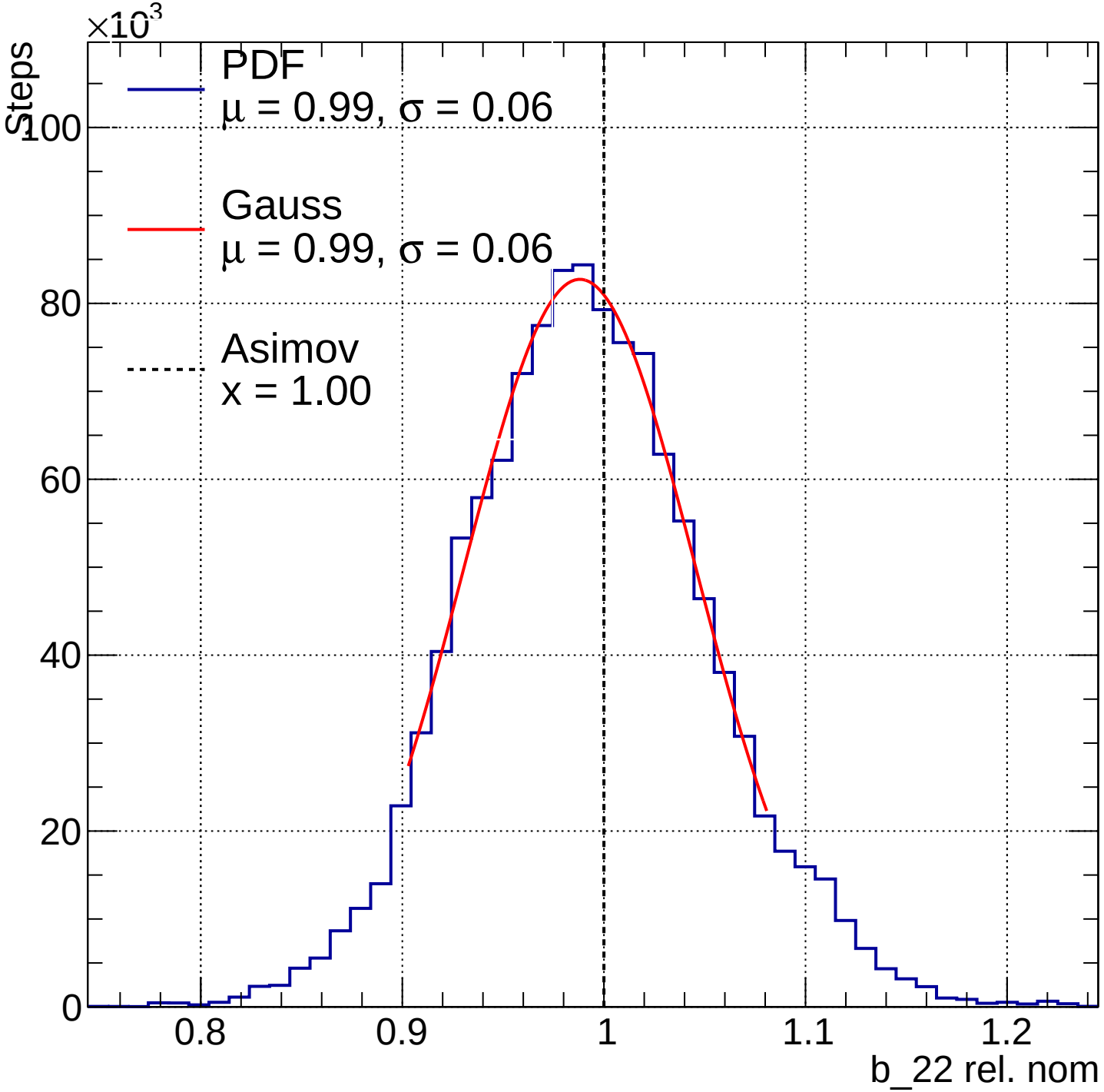

PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.99, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_17 rel. nom

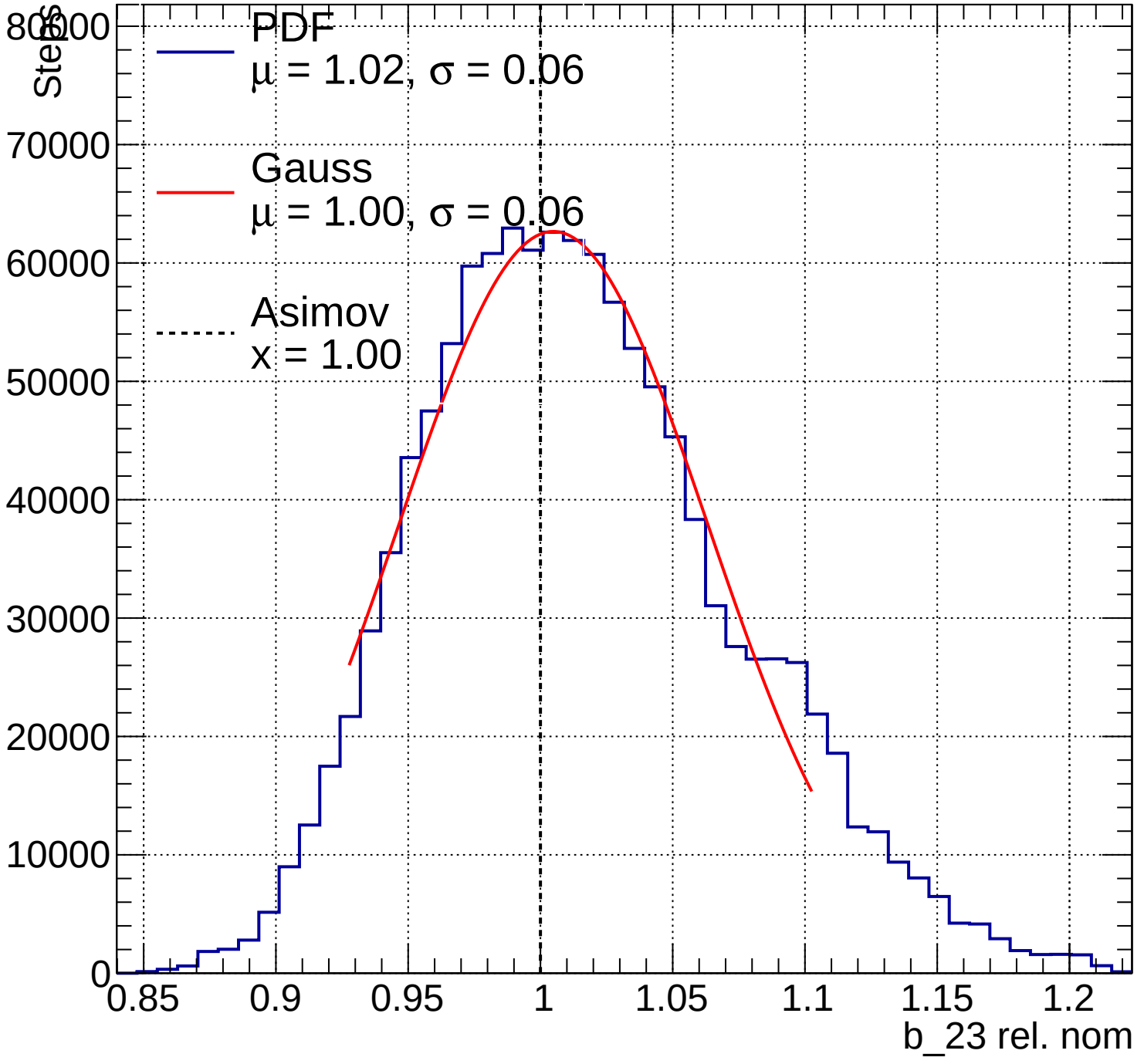

PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_18 rel. nom

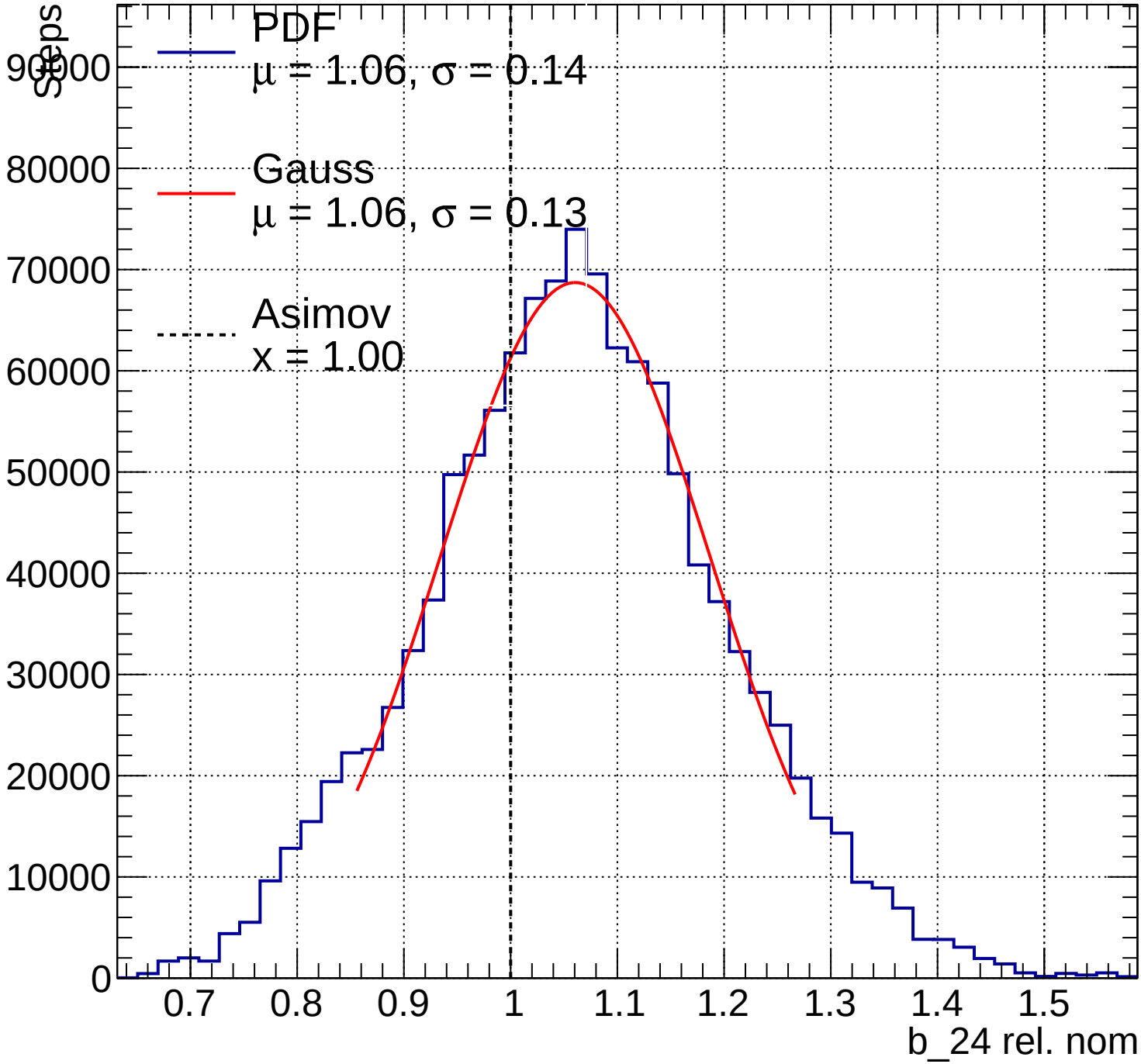

PDF
μ = 0.96, σ = 0.05
Gauss
μ = 0.97, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_19 rel. nom

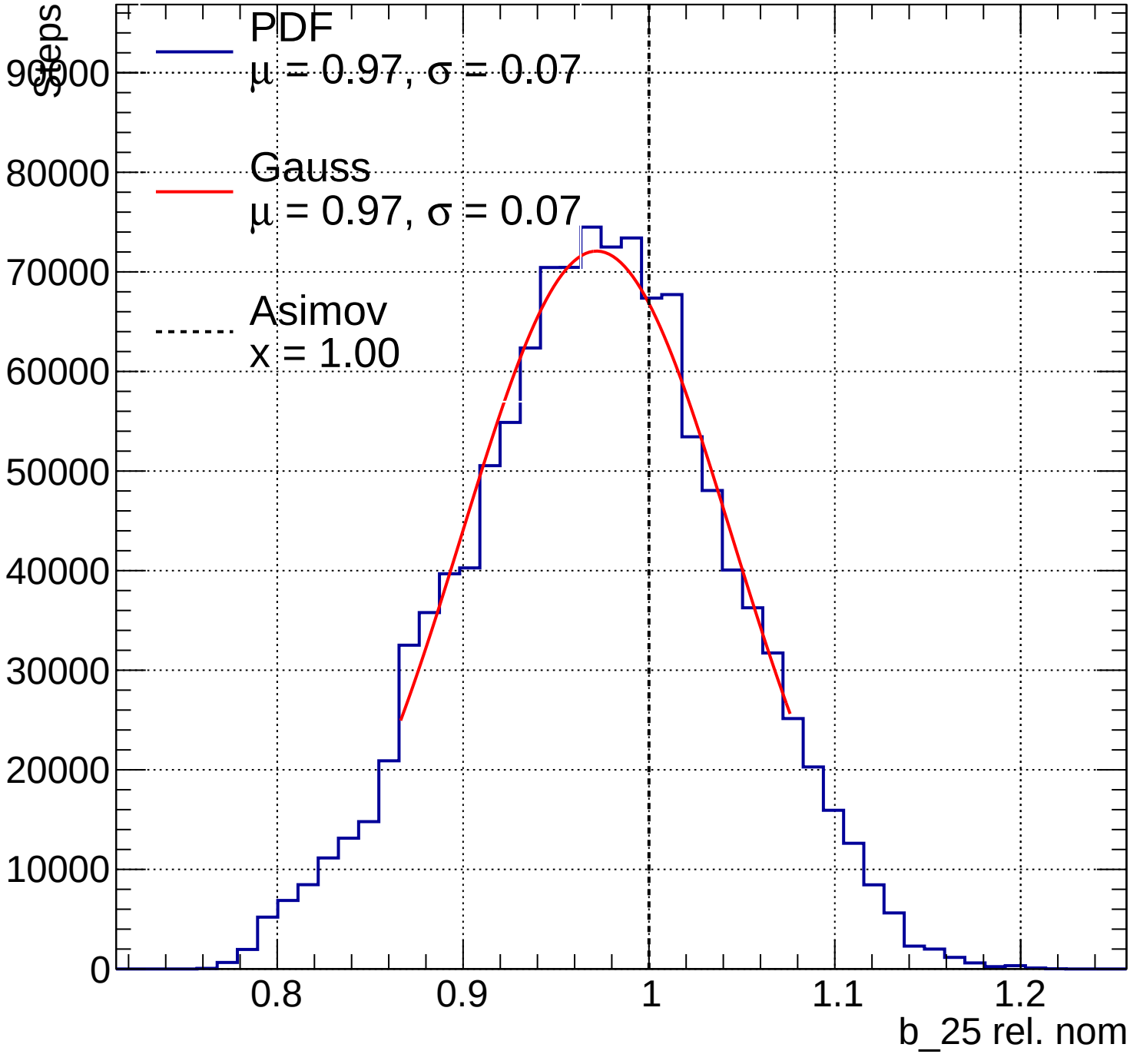

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.00, σ = 0.06
Gauss
μ = 1.00, σ = 0.06
Asimov
x = 1.00
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_20 rel. nom

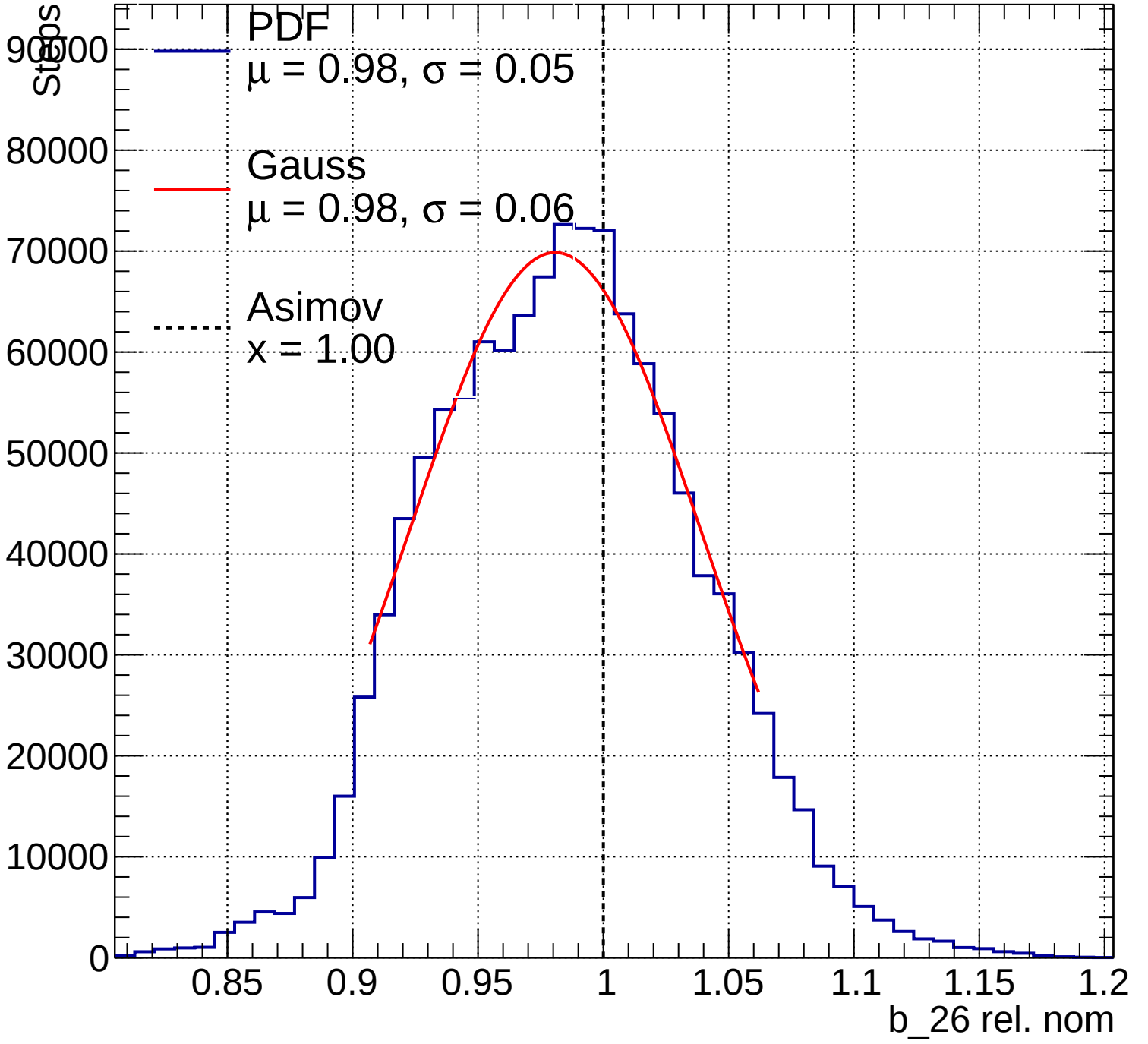

PDF
μ = 1.01, σ = 0.04
Gauss
μ = 1.01, σ = 0.04
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
b_21 rel. nom

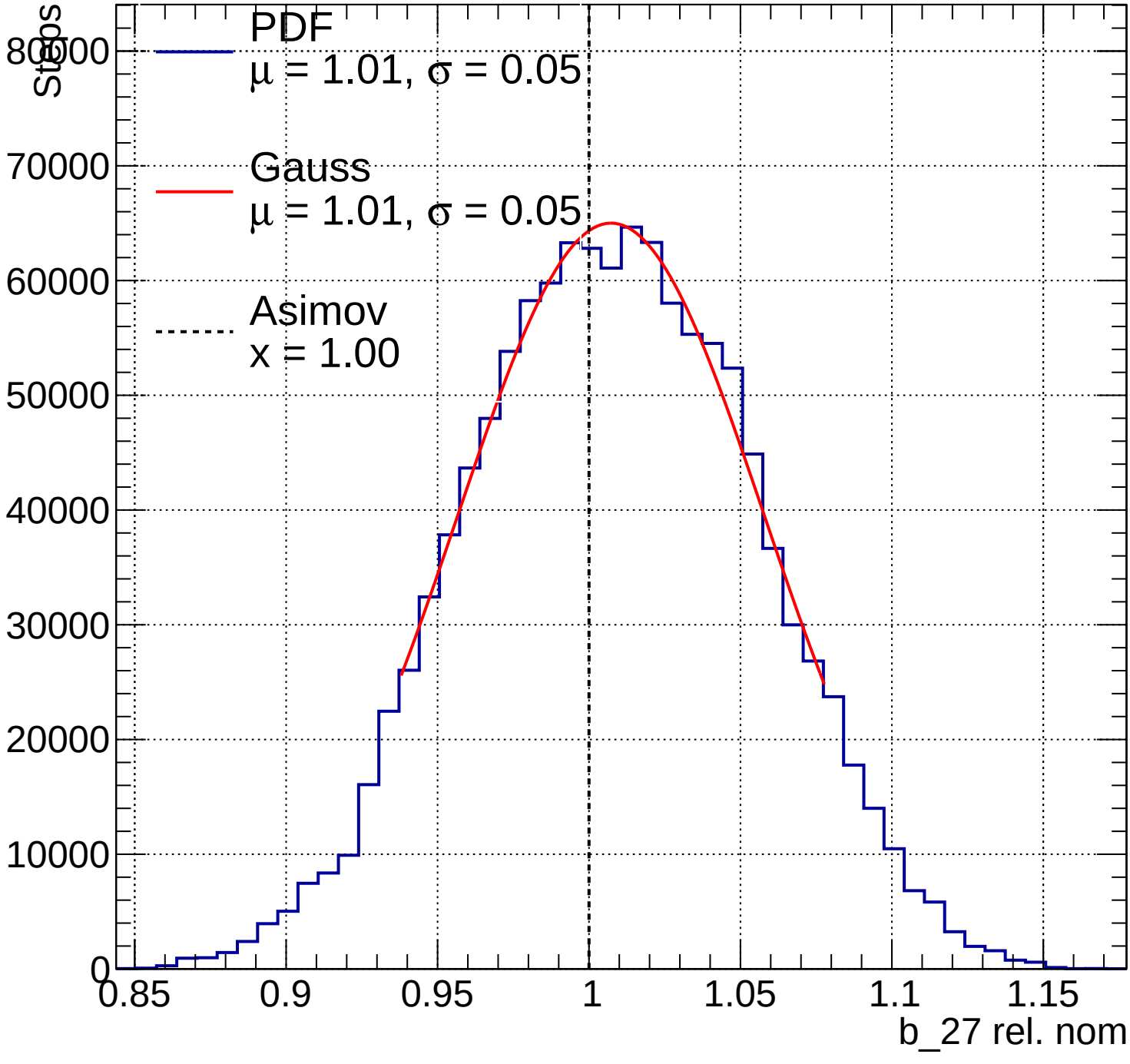

×10^3
Steps
PDF
μ = 0.99, σ = 0.06
Gauss
μ = 0.99, σ = 0.06
Asimov
x = 1.00
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
b_22 rel. nom

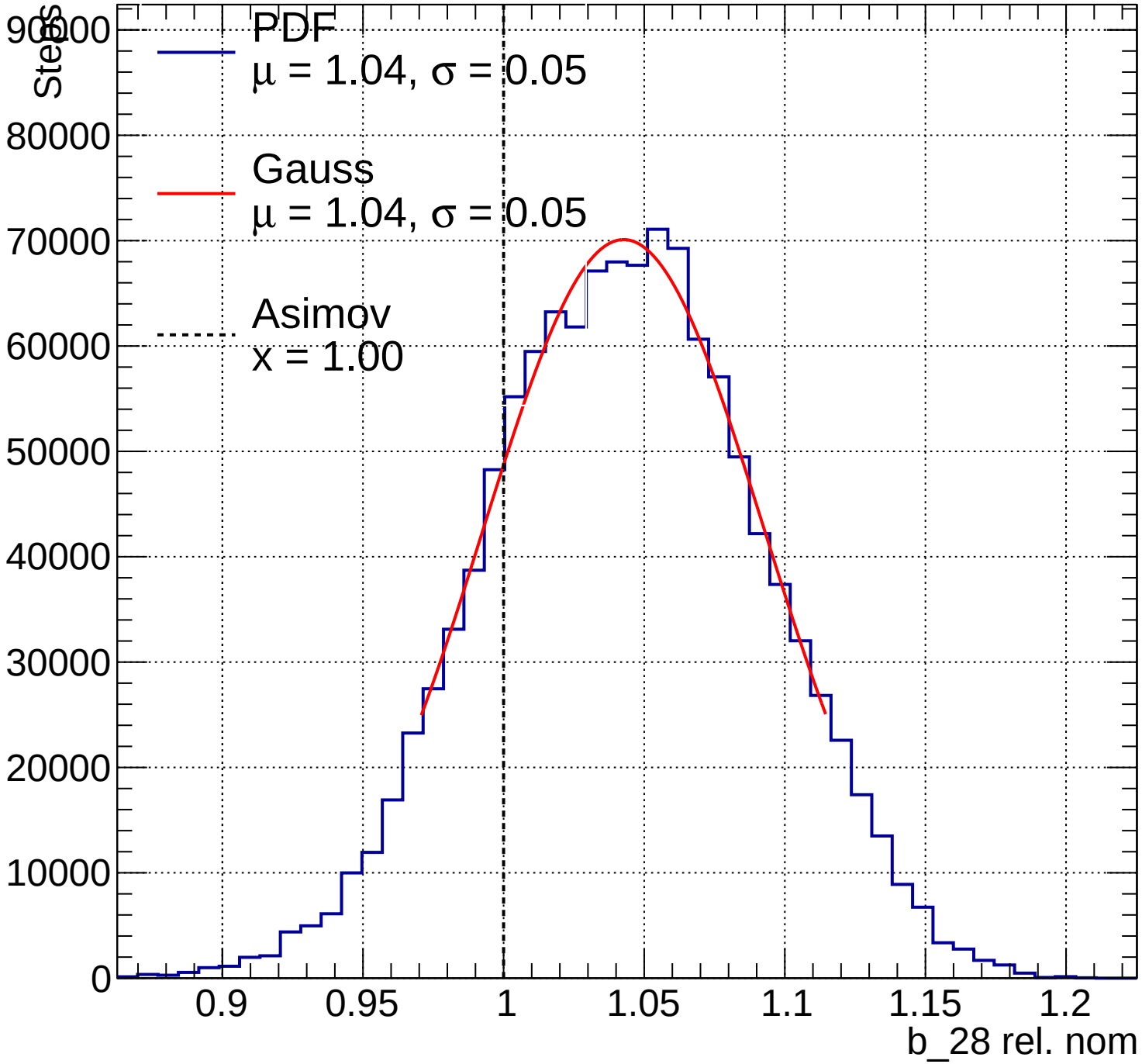

PDF
μ = 1.02, σ = 0.06
Gauss
μ = 1.00, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_23 rel. nom

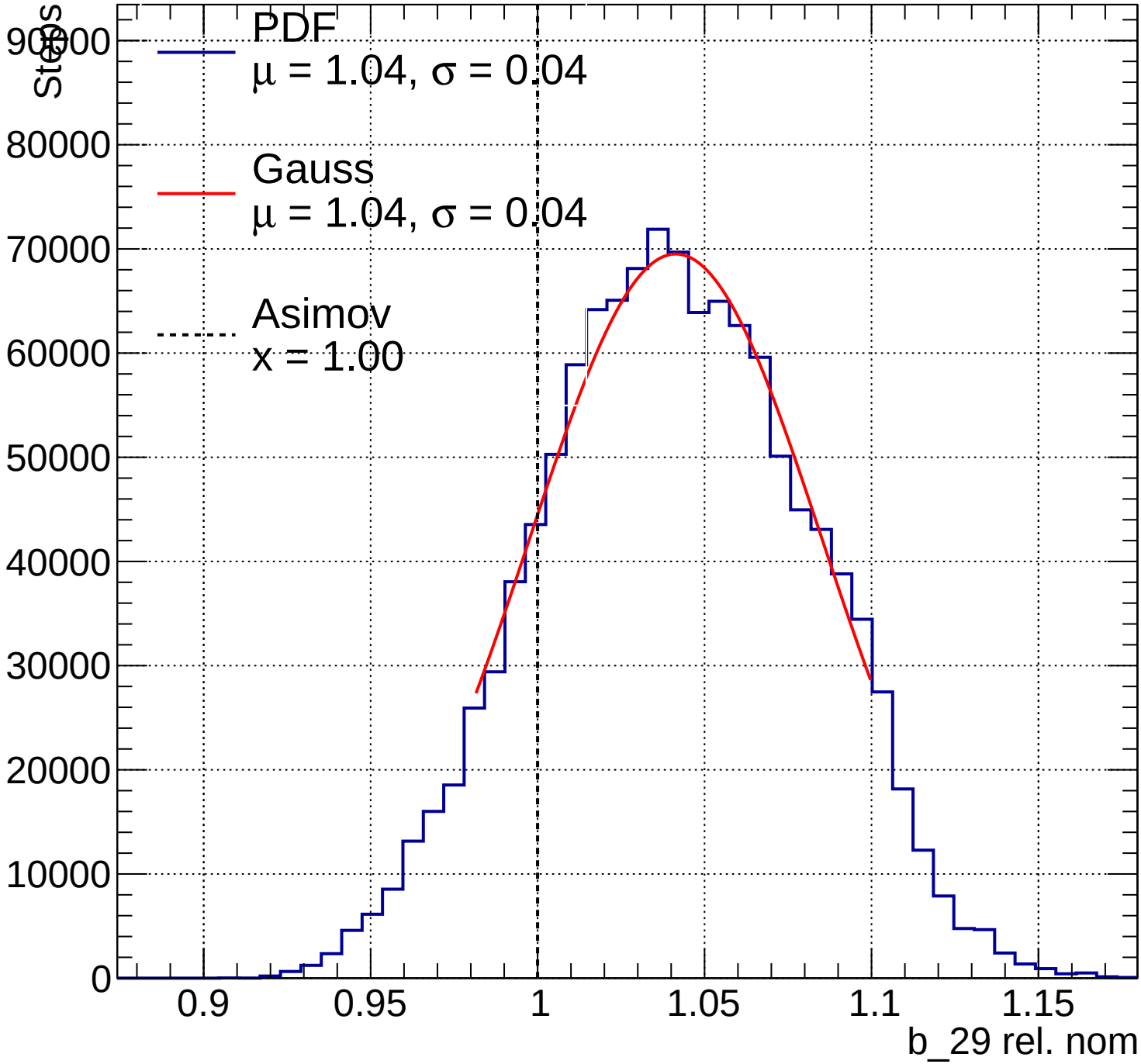

PDF
μ = 1.06, σ = 0.14
Gauss
μ = 1.06, σ = 0.13
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
b_24 rel. nom

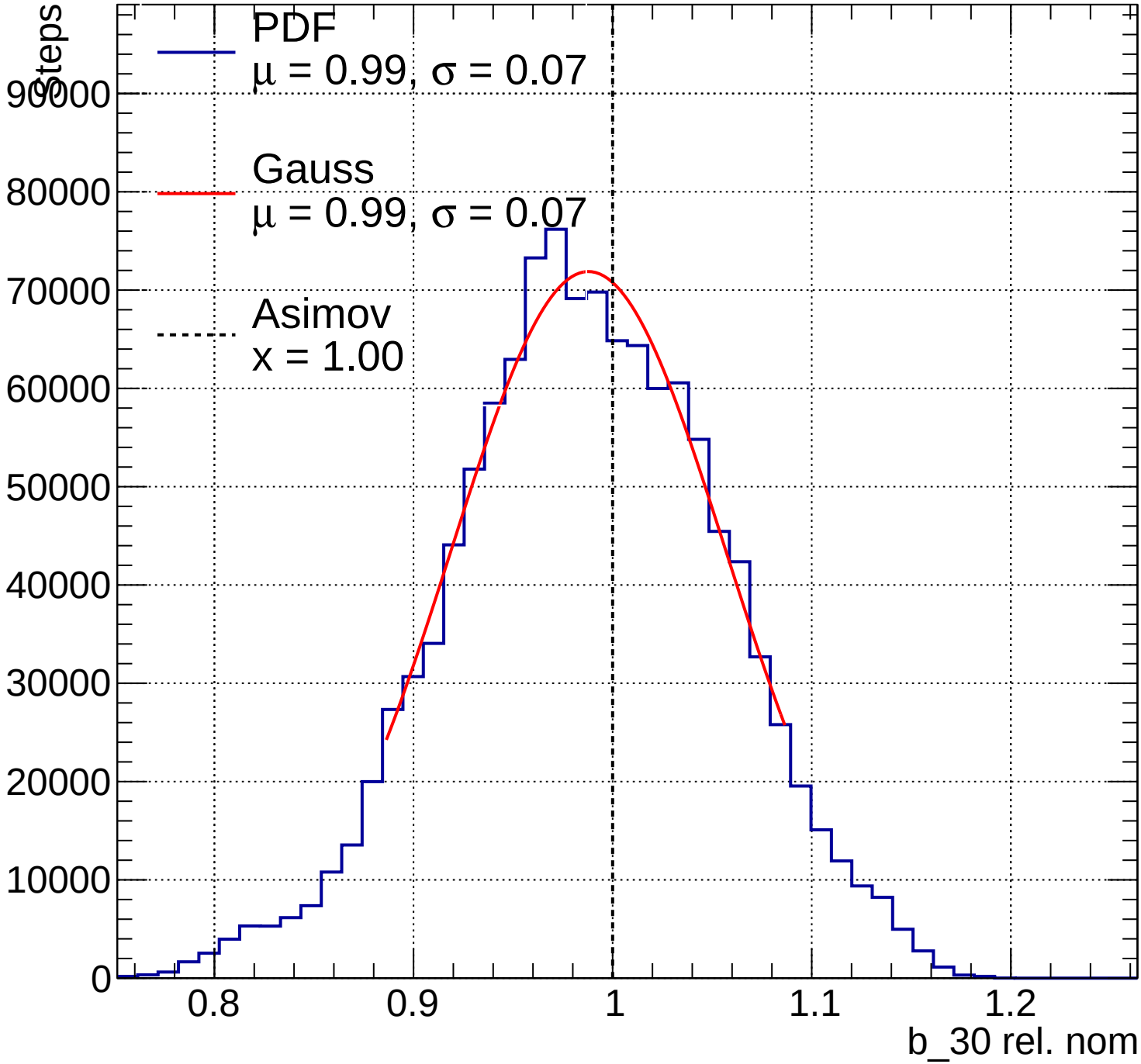

PDF
μ = 0.97, σ = 0.07
Gauss
μ = 0.97, σ = 0.07
Asimov
x = 1.00
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
b_25 rel. nom

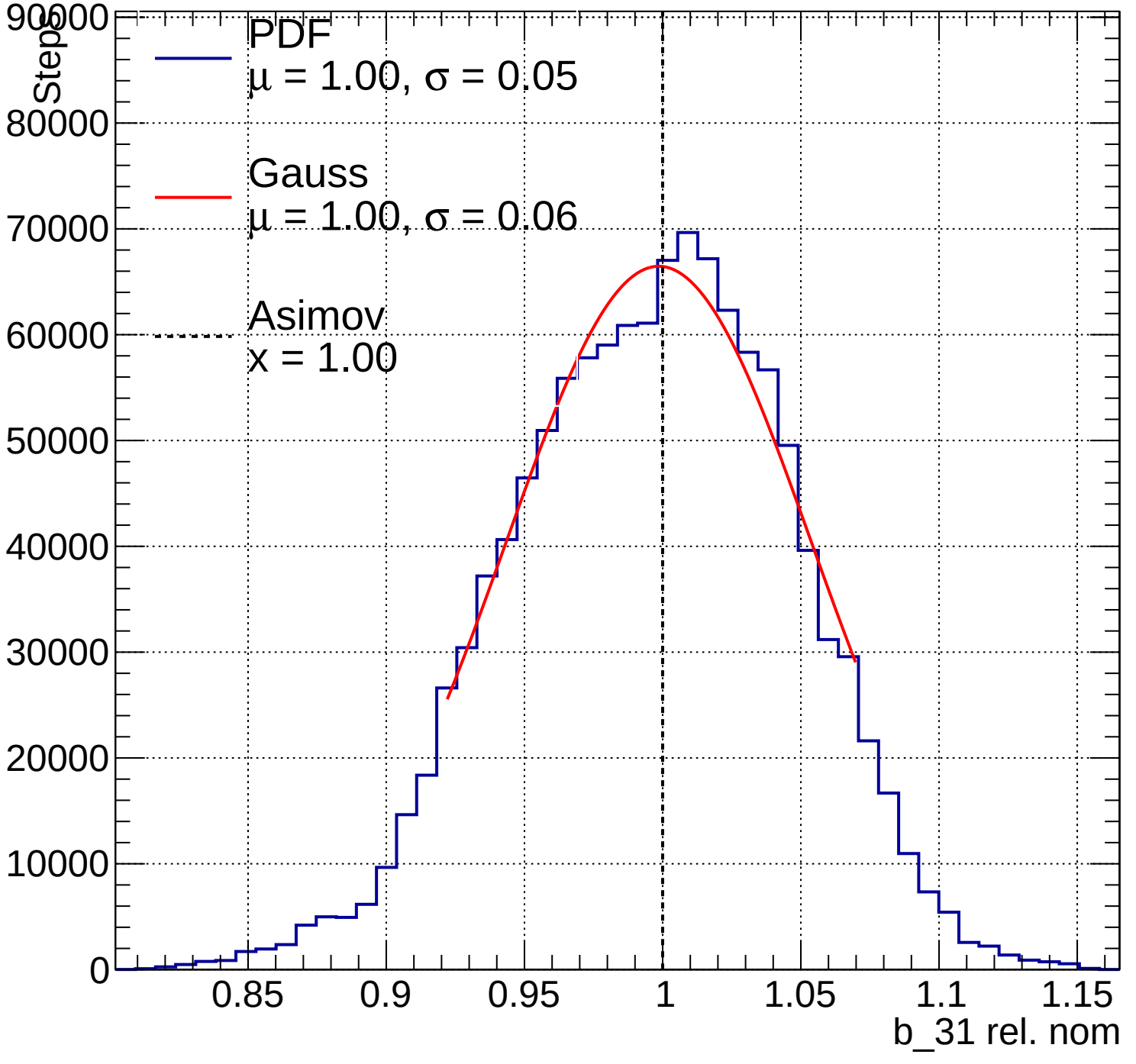

PDF
μ = 0.98, σ = 0.05
Gauss
μ = 0.98, σ = 0.06
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_26 rel. nom

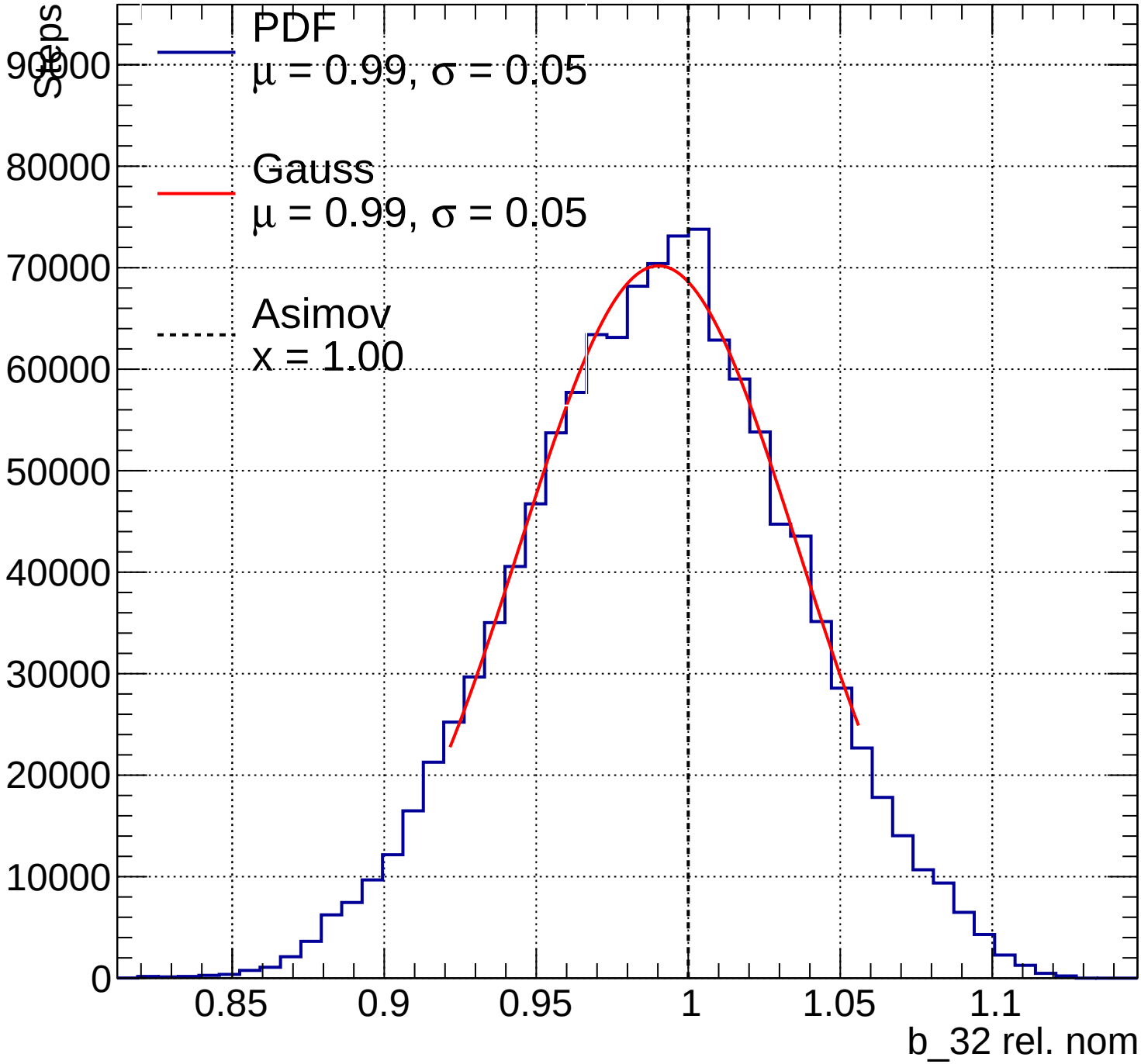

PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
Stops
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_27 rel. nom

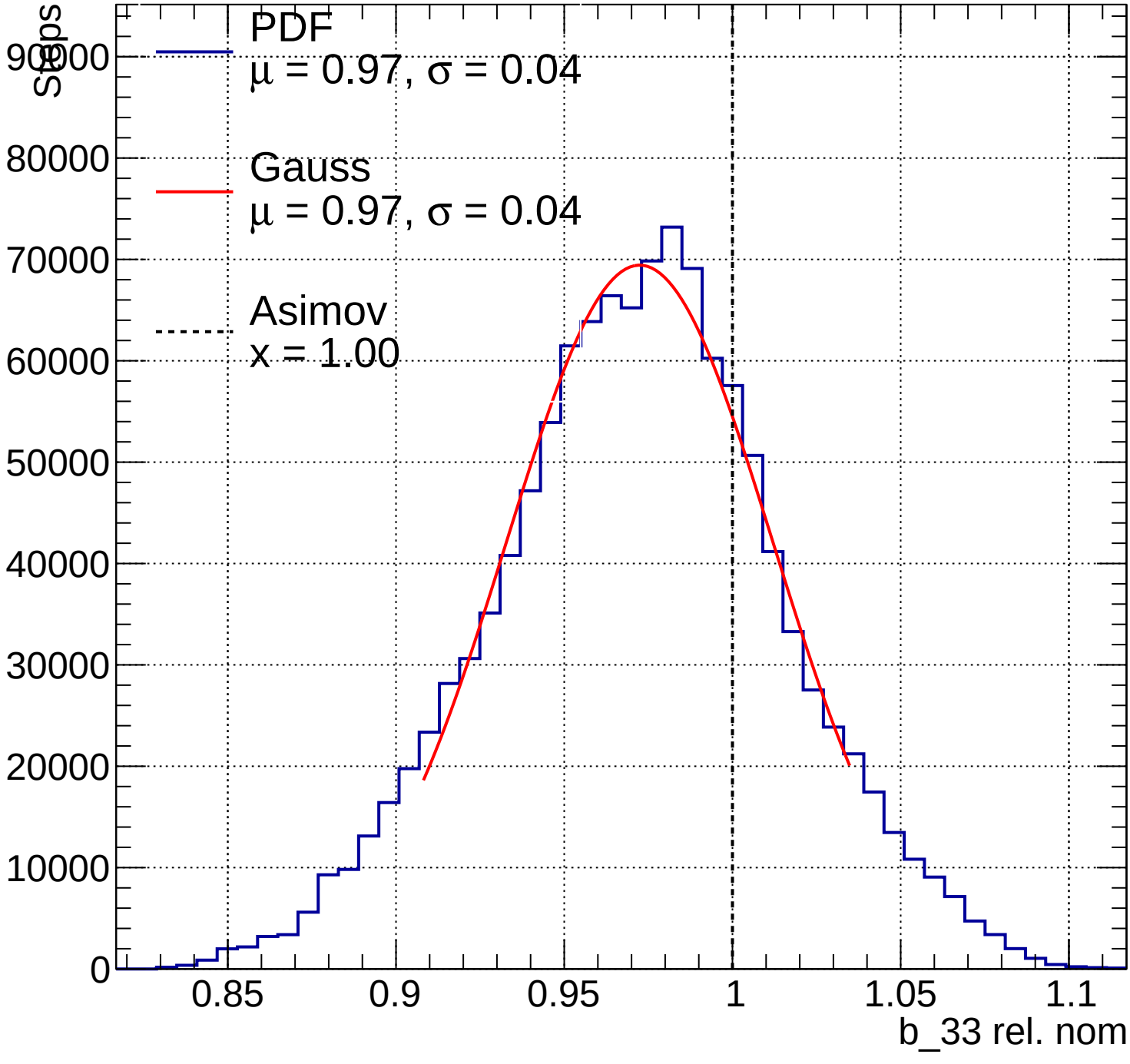

PDF
μ = 1.04, σ = 0.05
Gauss
μ = 1.04, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
1.2
b_28 rel. nom

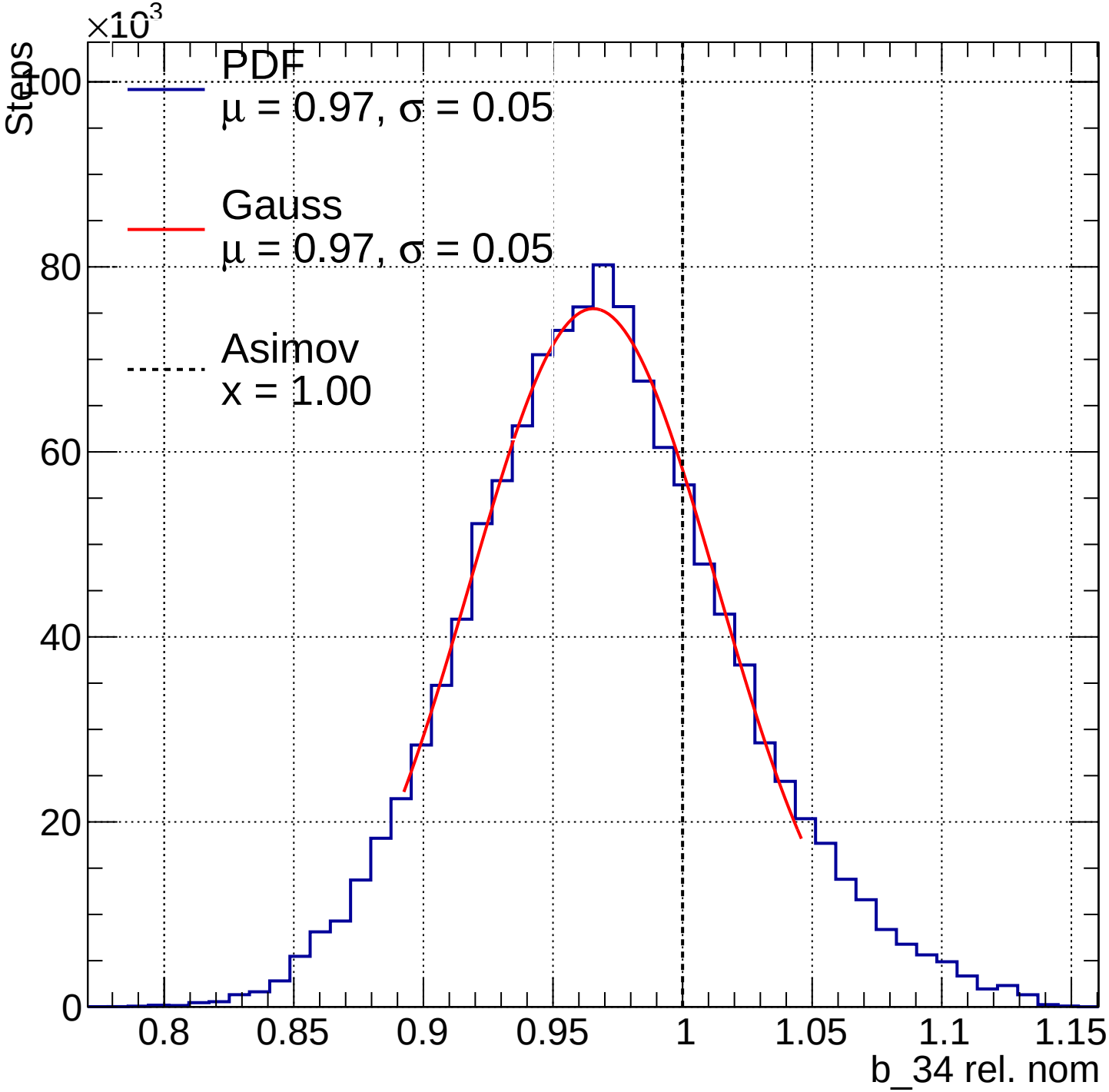

PDF
μ = 1.04, σ = 0.04
Gauss
μ = 1.04, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_29 rel. nom

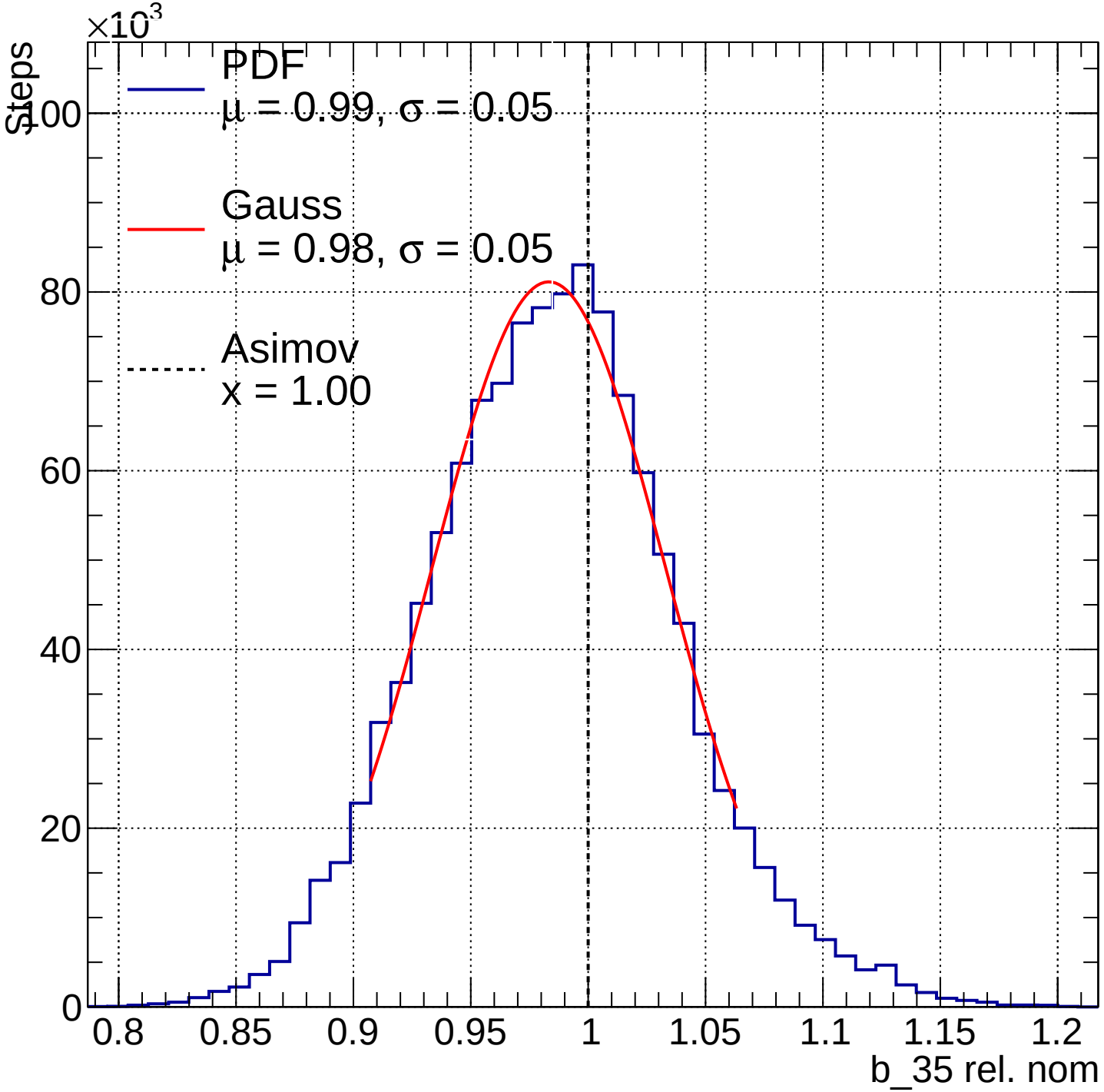

PDF
μ = 0.99, σ = 0.07
Gauss
μ = 0.99, σ = 0.07
Asimov
x = 1.00
steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
b_30 rel. nom

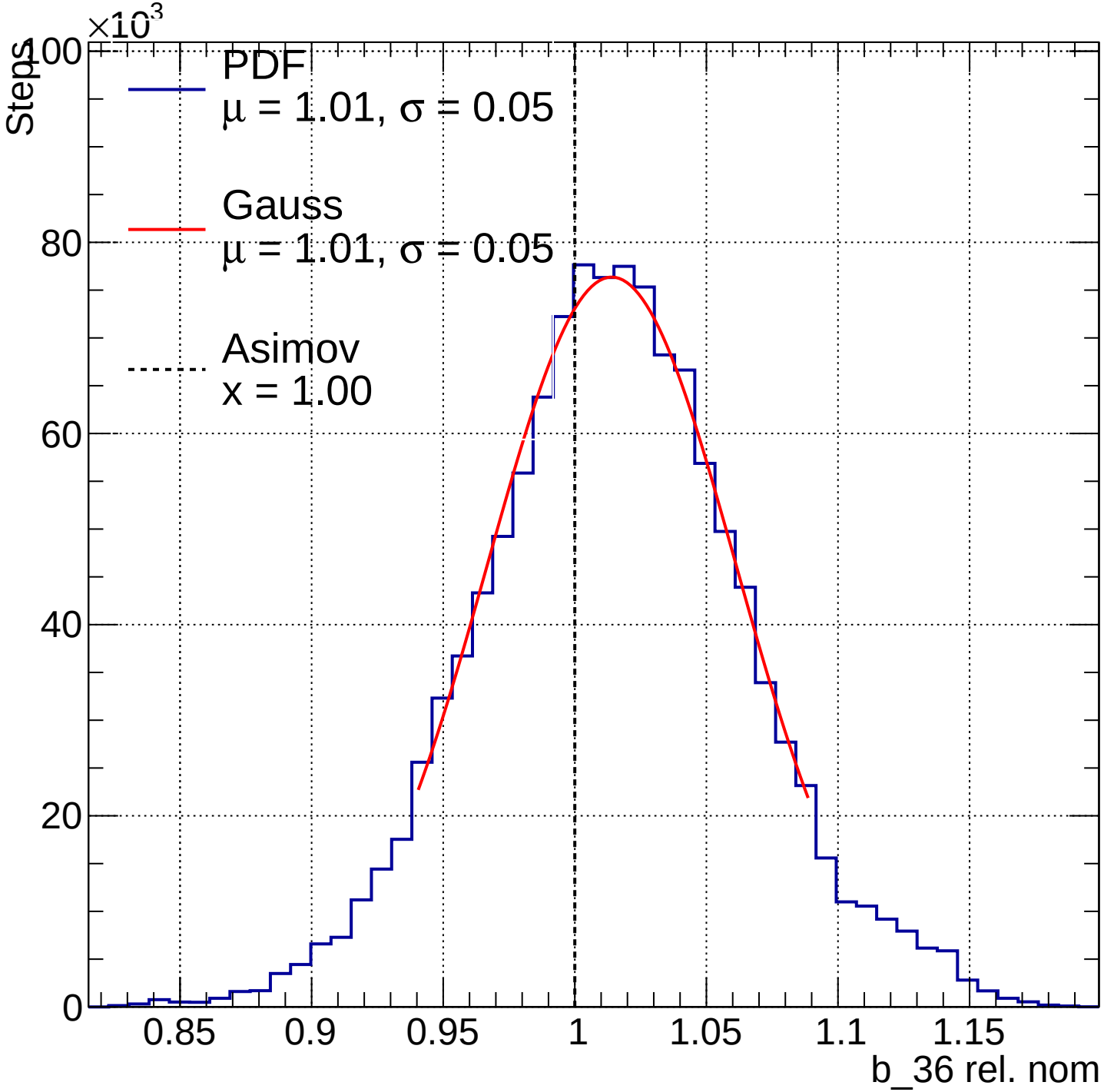

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.00, σ = 0.06
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_31 rel. nom

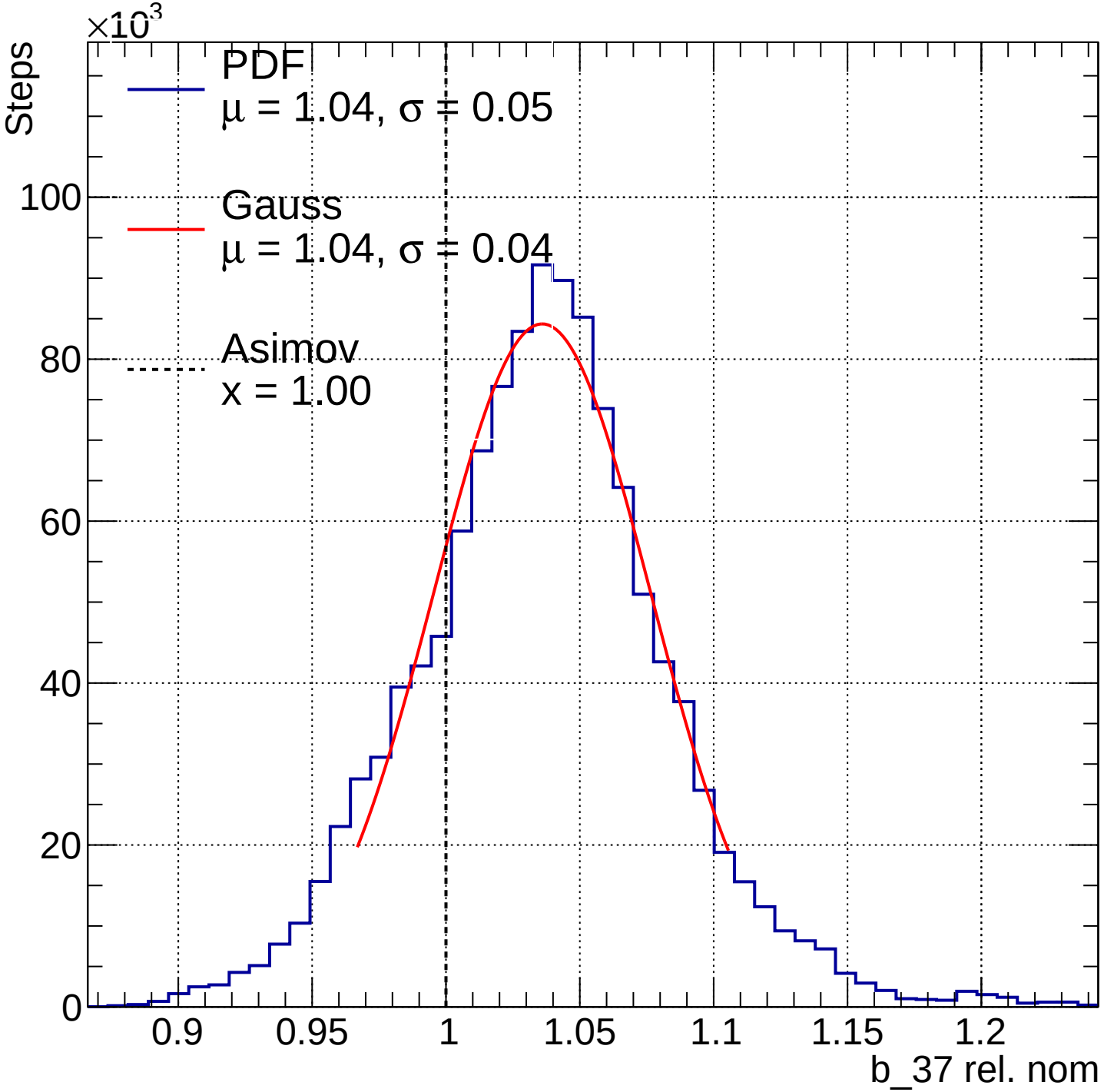

PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.99, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_32 rel. nom

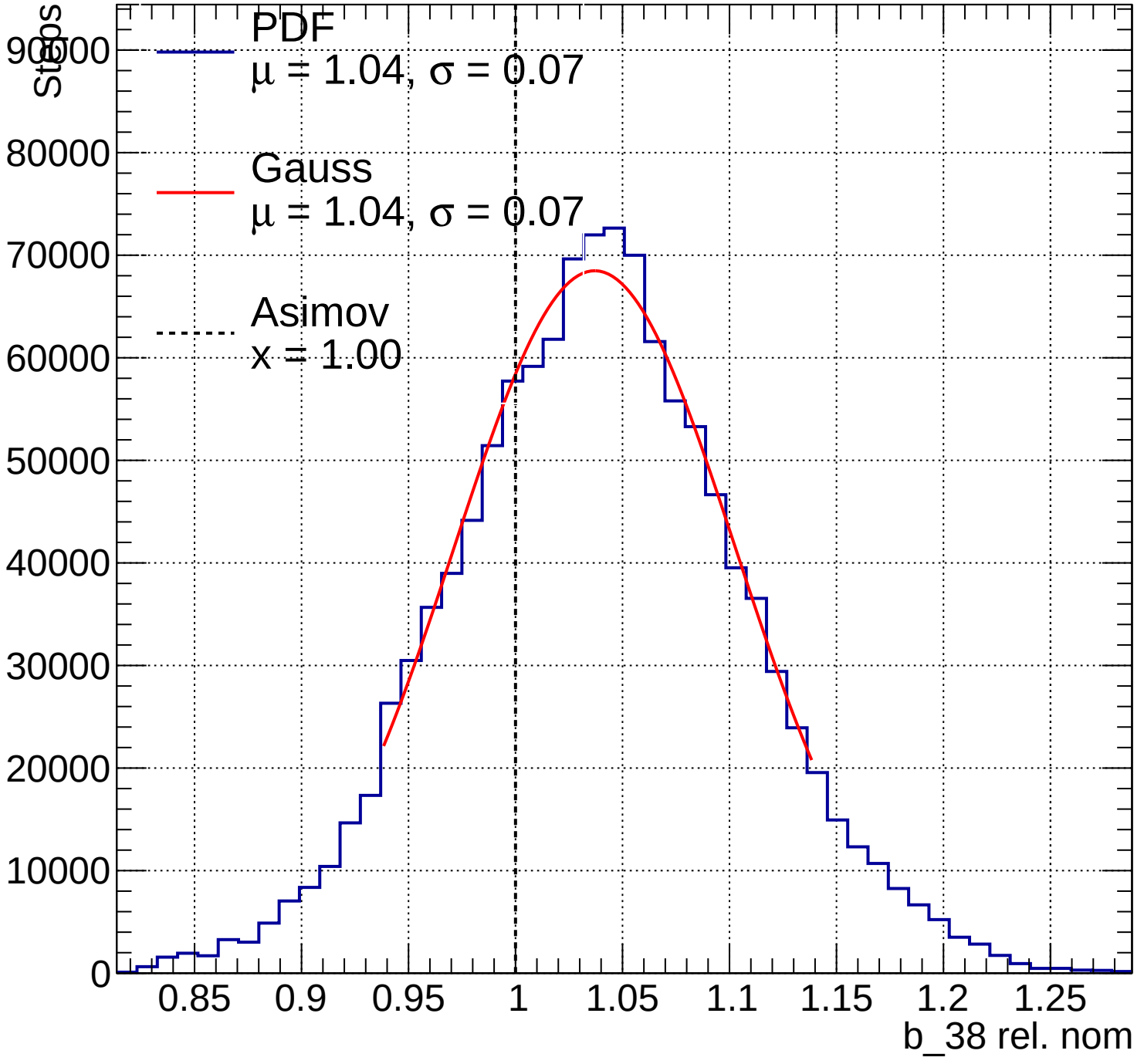

PDF
μ = 0.97, σ = 0.04
Gauss
μ = 0.97, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_33 rel. nom

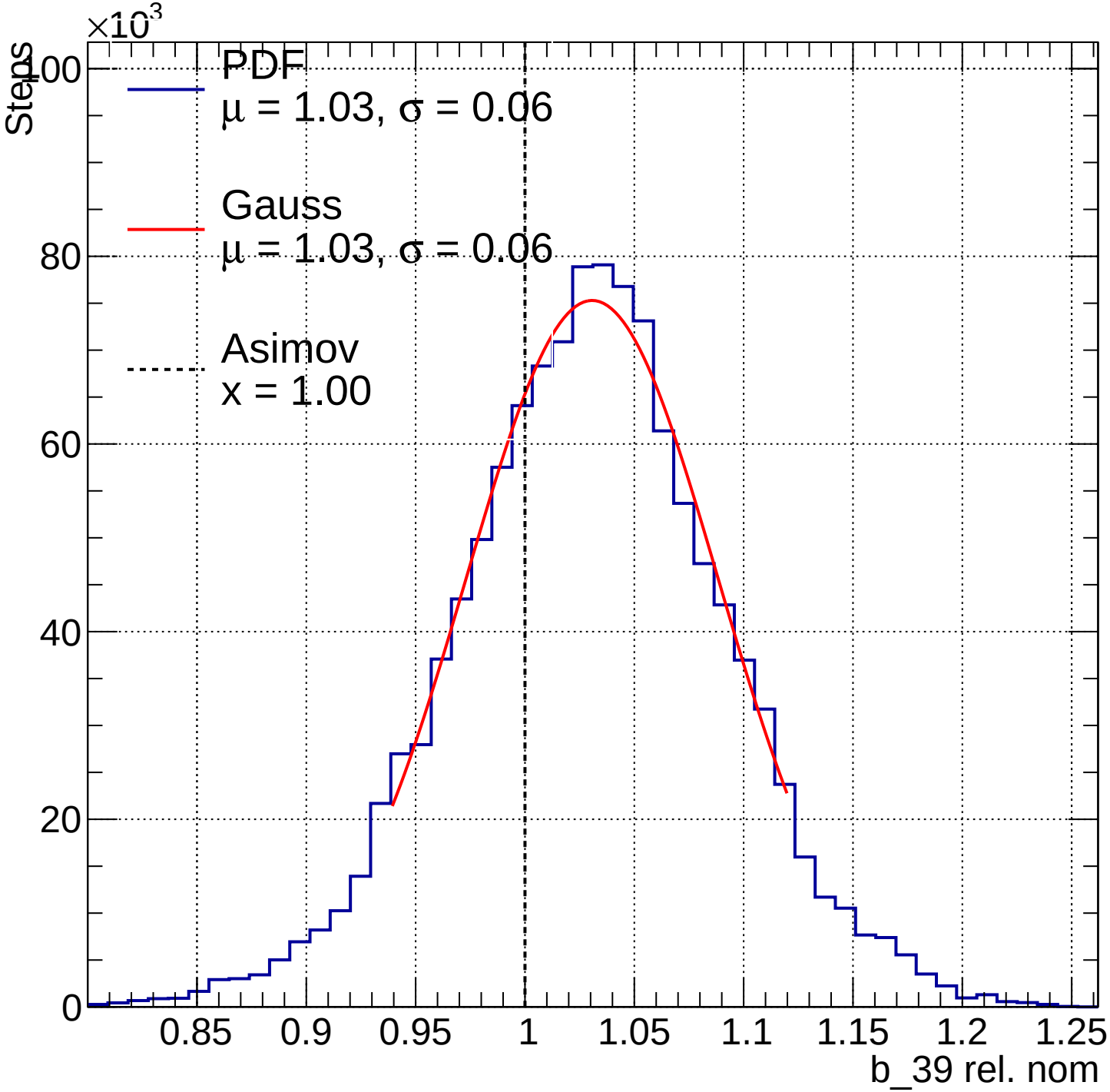

×10^3
Steps
PDF
μ = 0.97, σ = 0.05
Gauss
μ = 0.97, σ = 0.05
Asimov
x = 1.00
100
80
60
40
20
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_34 rel. nom

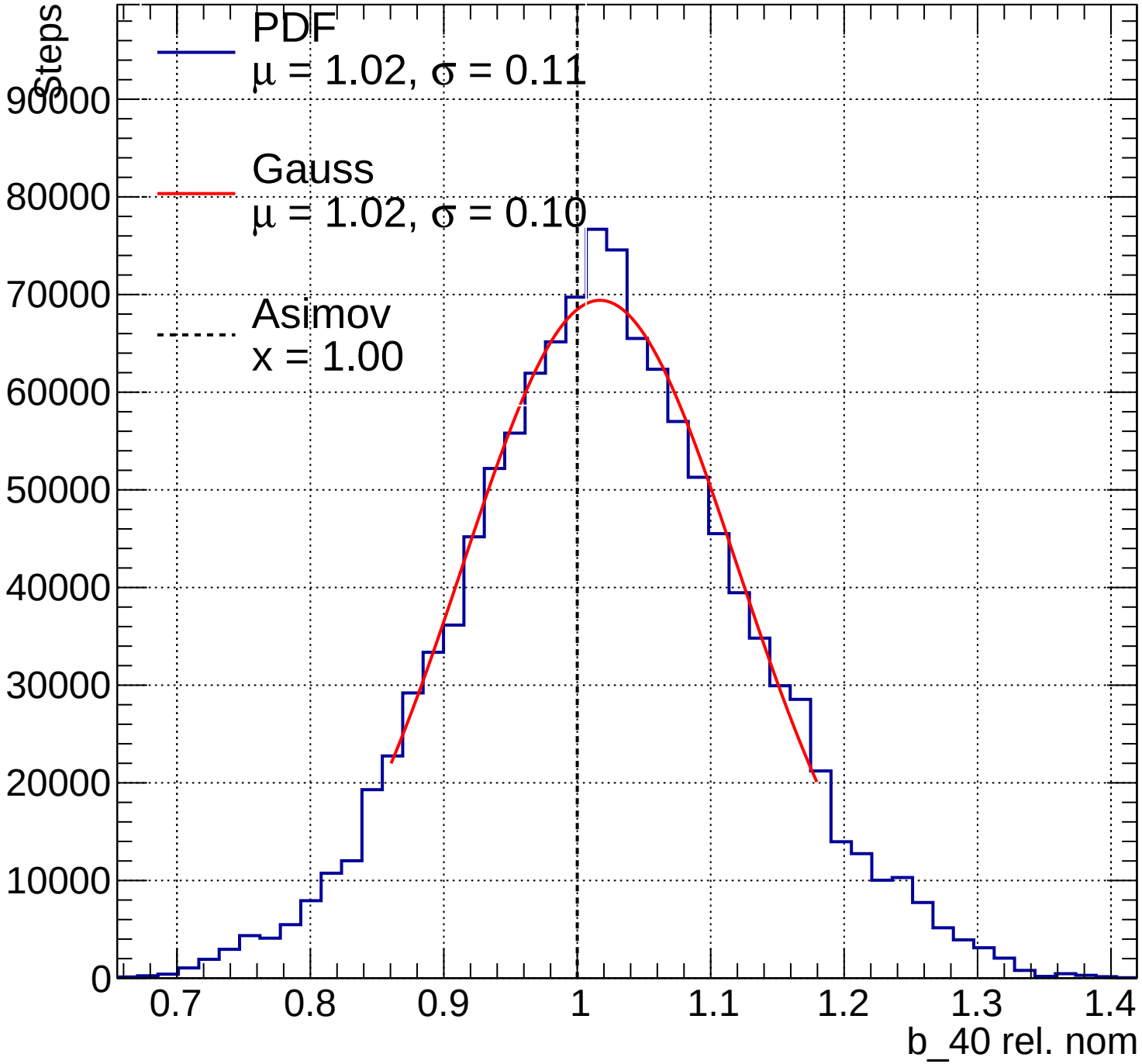

×10^3
Steps
PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.98, σ = 0.05
Asimov
x = 1.00
0
20
40
60
80
100
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_35 rel. nom

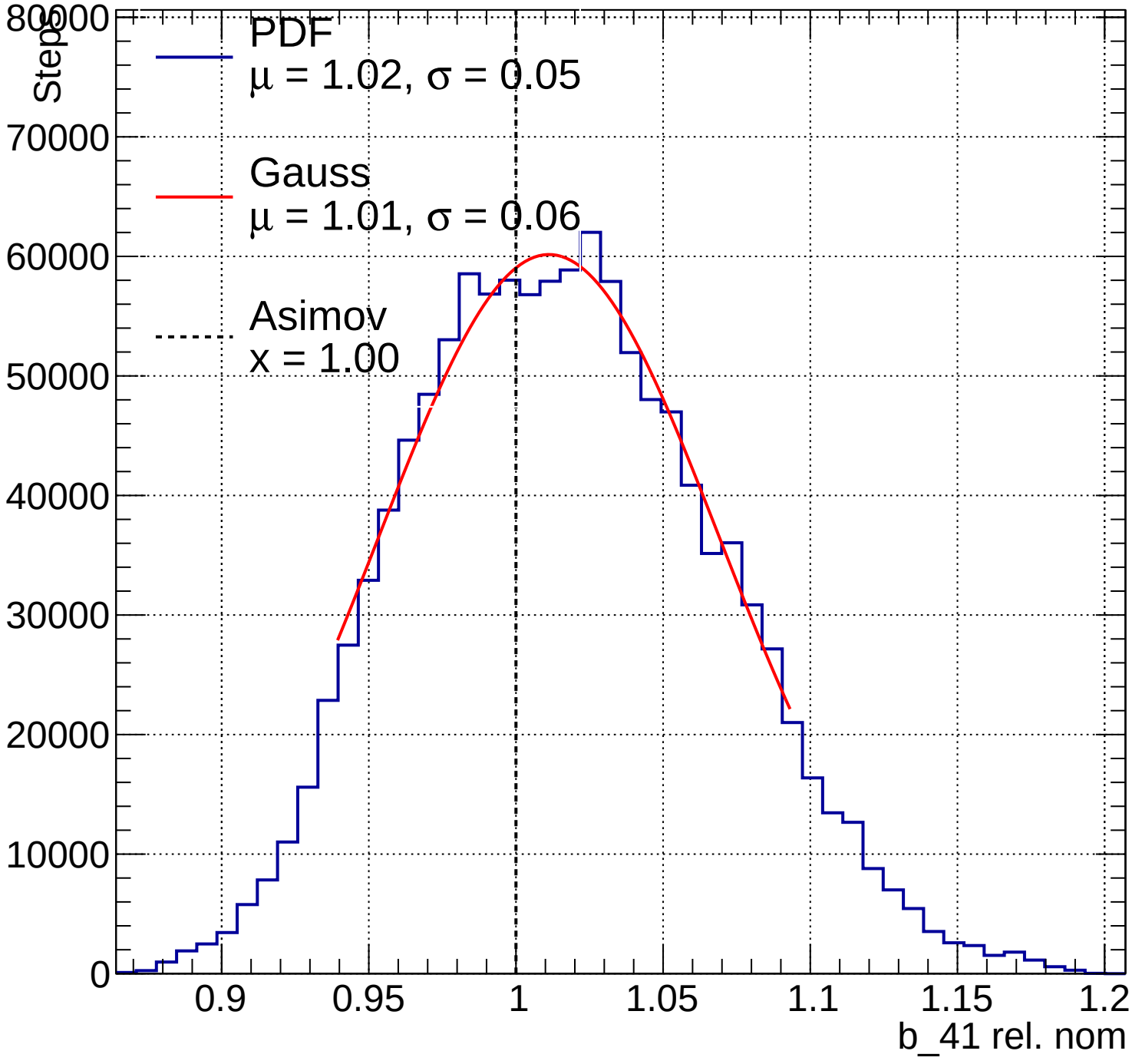

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
b_36 rel. nom

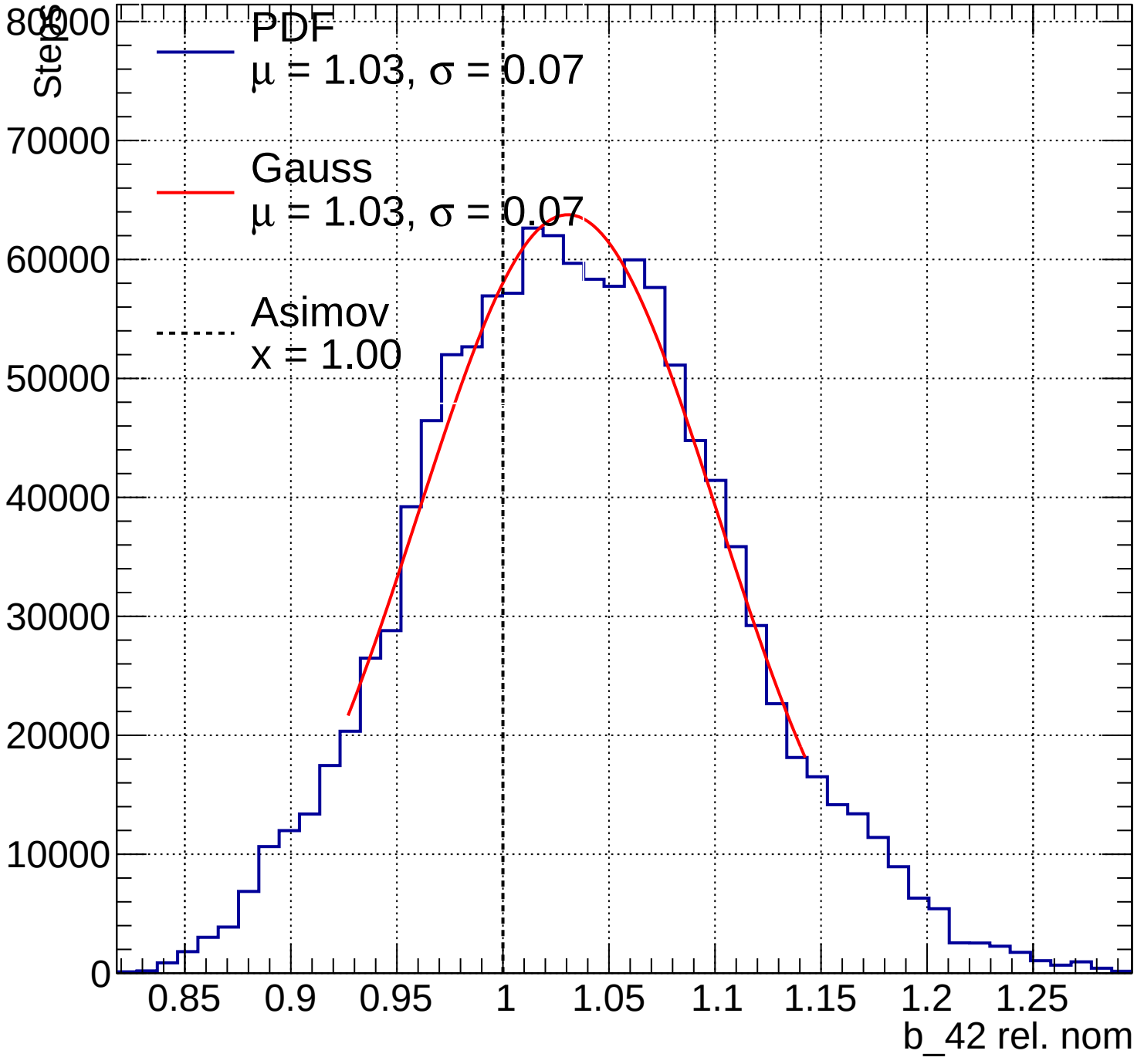

×10^3
Steps
PDF
μ = 1.04, σ = 0.05
Gauss
μ = 1.04, σ = 0.04
Asimov
x = 1.00
100
80
60
40
20
0
0.9
0.95
1
1.05
1.1
1.15
1.2
b_37 rel. nom

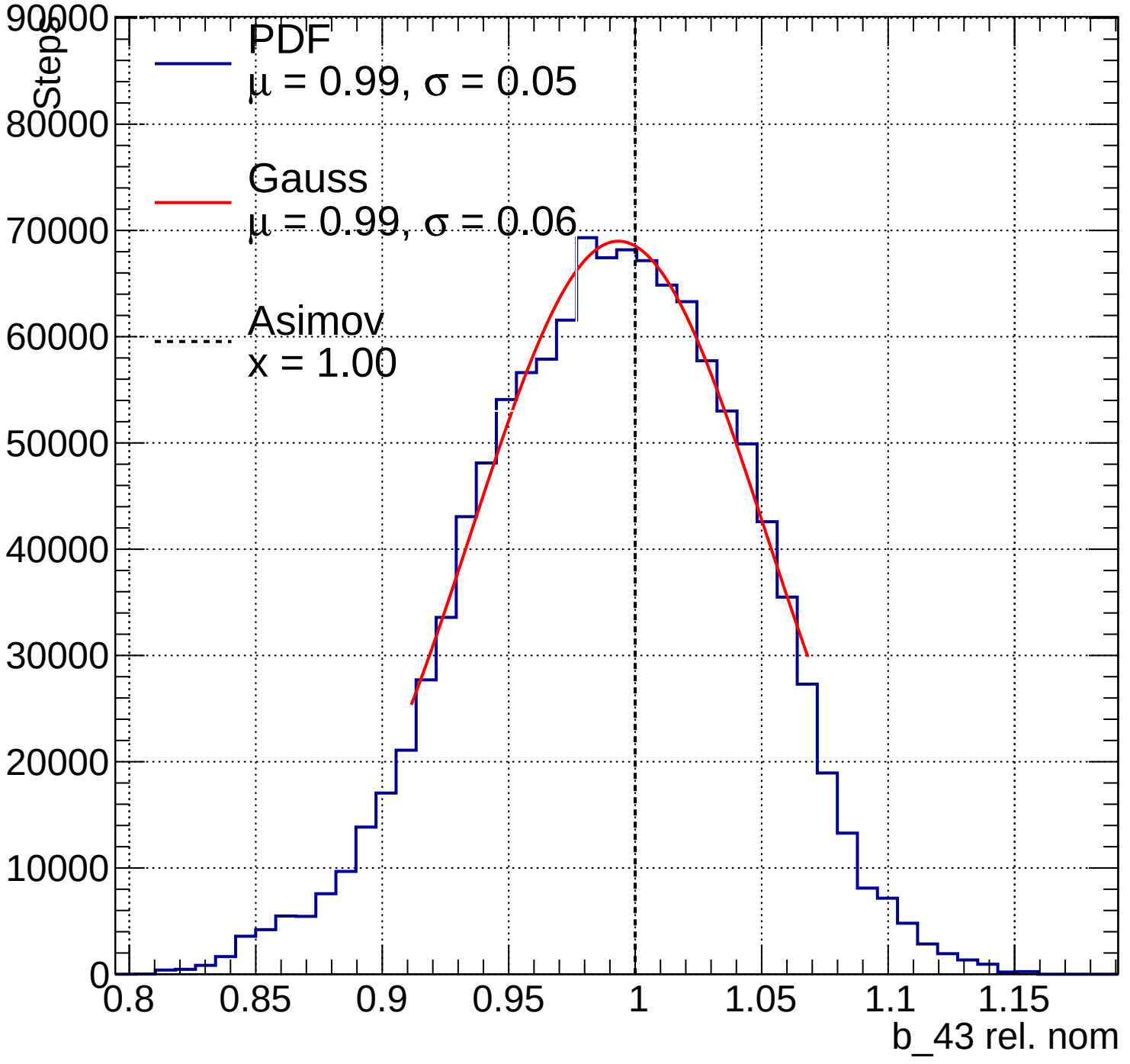

PDF
μ = 1.04, σ = 0.07
Gauss
μ = 1.04, σ = 0.07
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
b_38 rel. nom

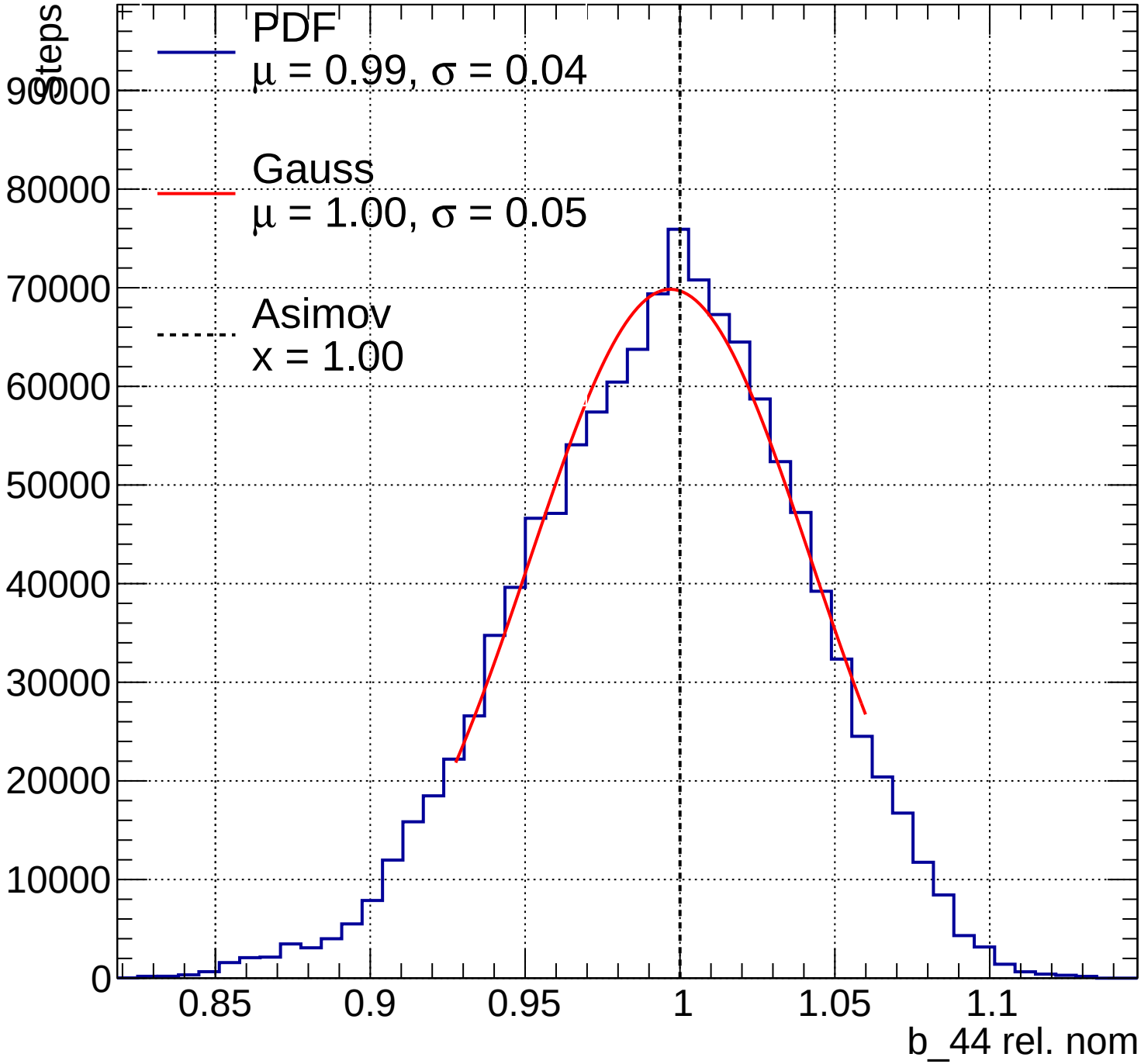

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.03, σ = 0.06
Gauss
μ = 1.03, σ = 0.06
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
b_39 rel. nom

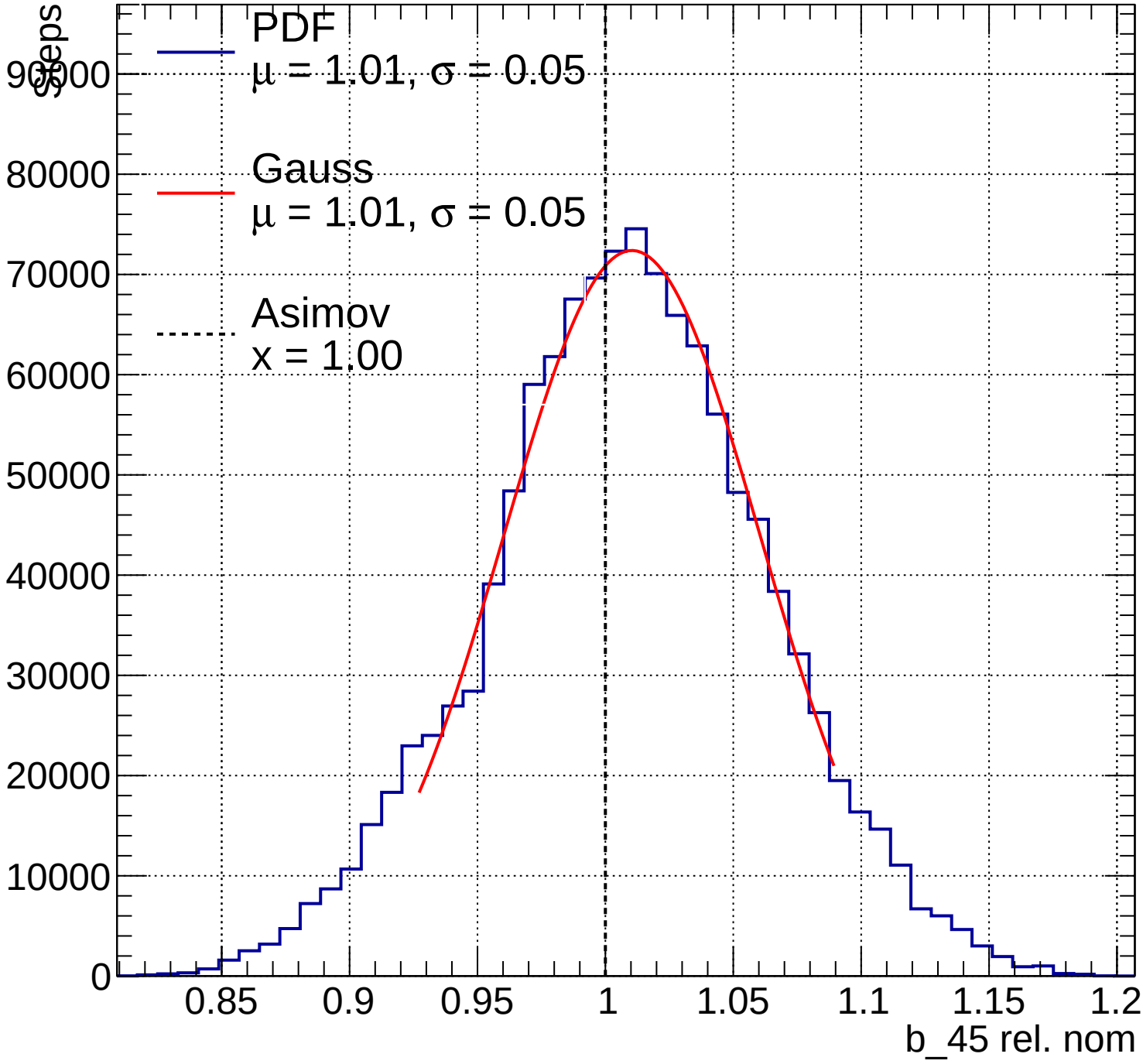

PDF
μ = 1.02, σ = 0.11
Gauss
μ = 1.02, σ = 0.10
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
b_40 rel. nom

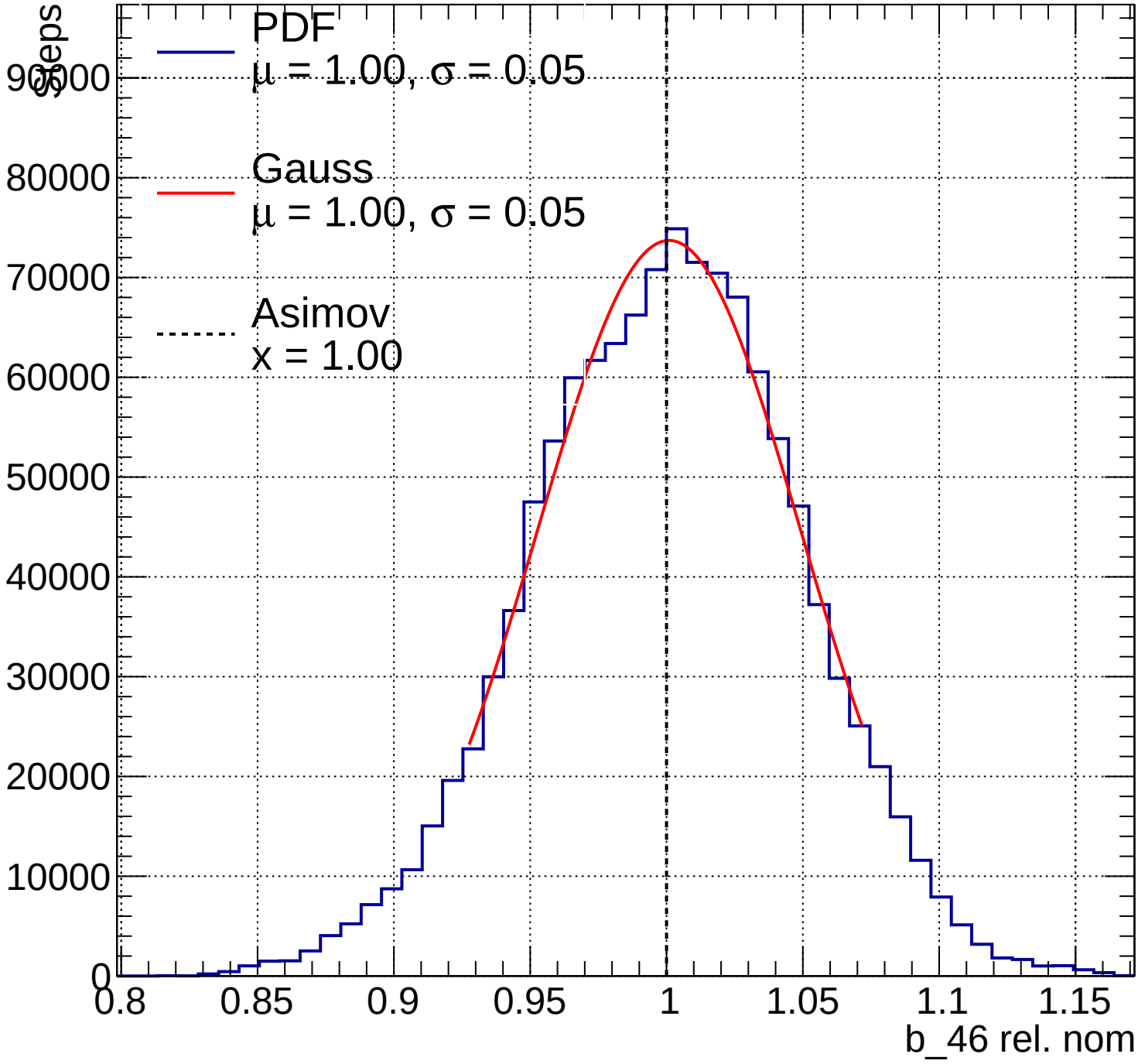

PDF
μ = 1.02, σ = 0.05
Gauss
μ = 1.01, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
1.2
b_41 rel. nom

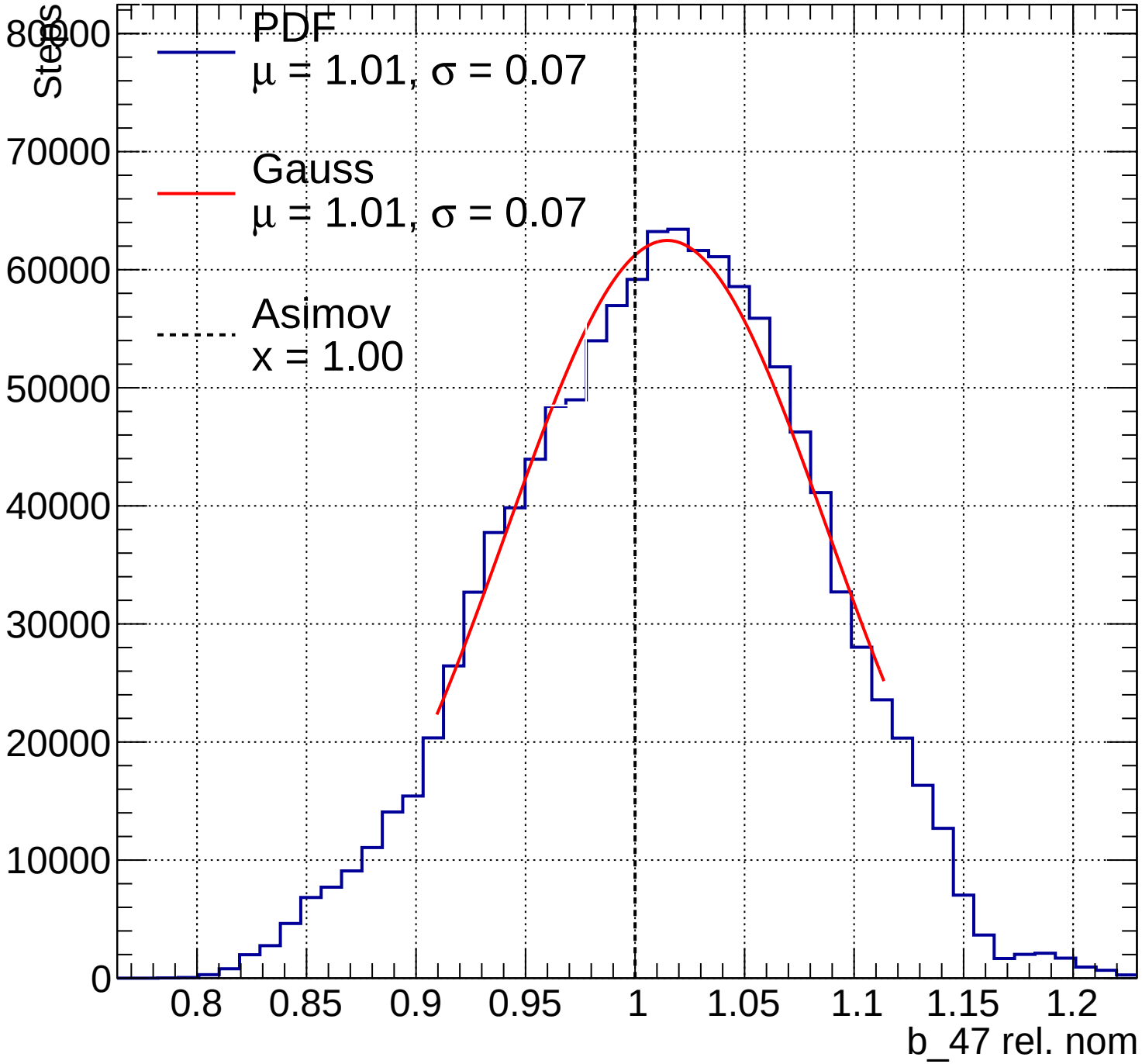

PDF
μ = 1.03, σ = 0.07
Gauss
μ = 1.03, σ = 0.07
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
b_42 rel. nom

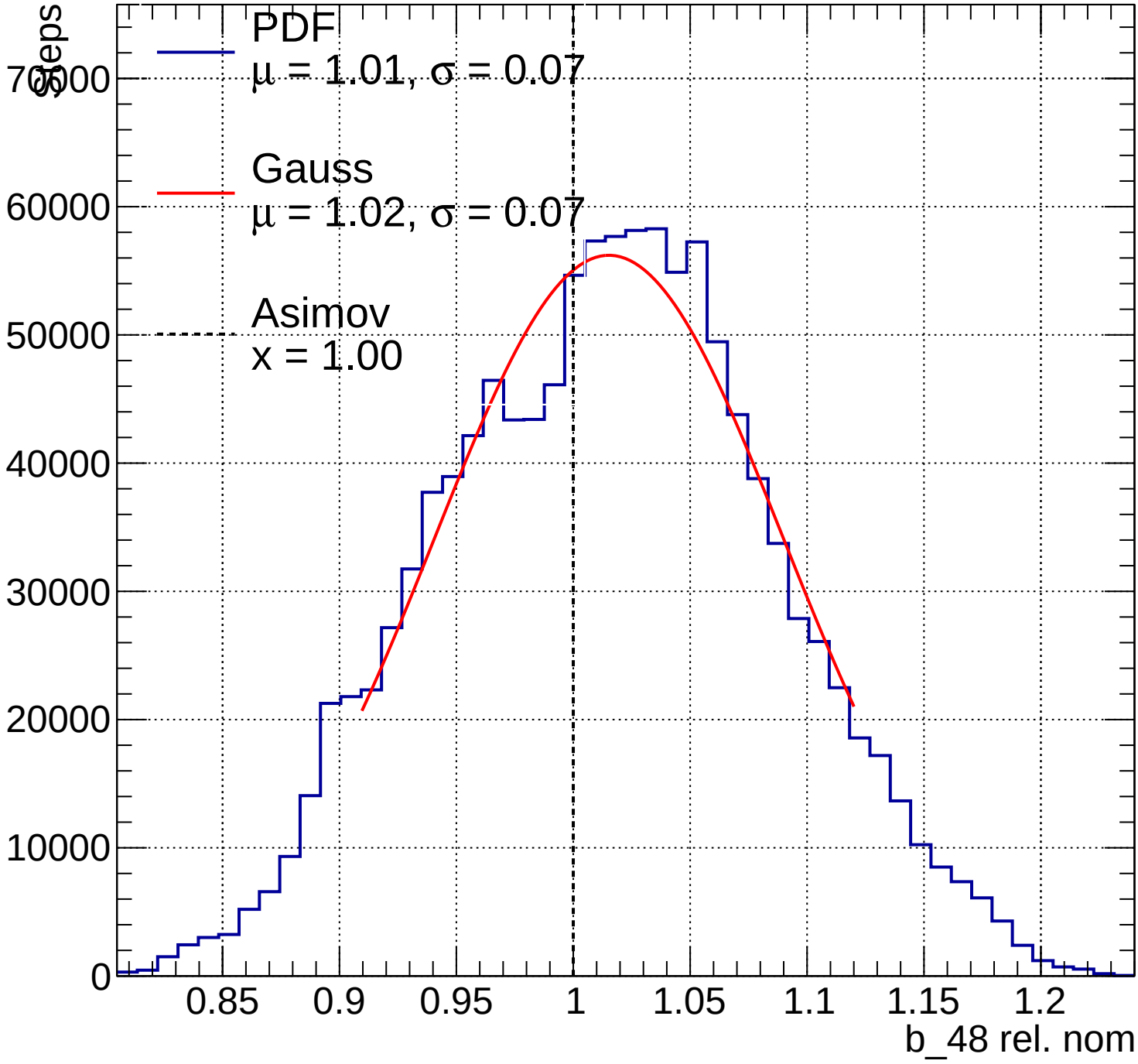

PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.99, σ = 0.06
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_43 rel. nom

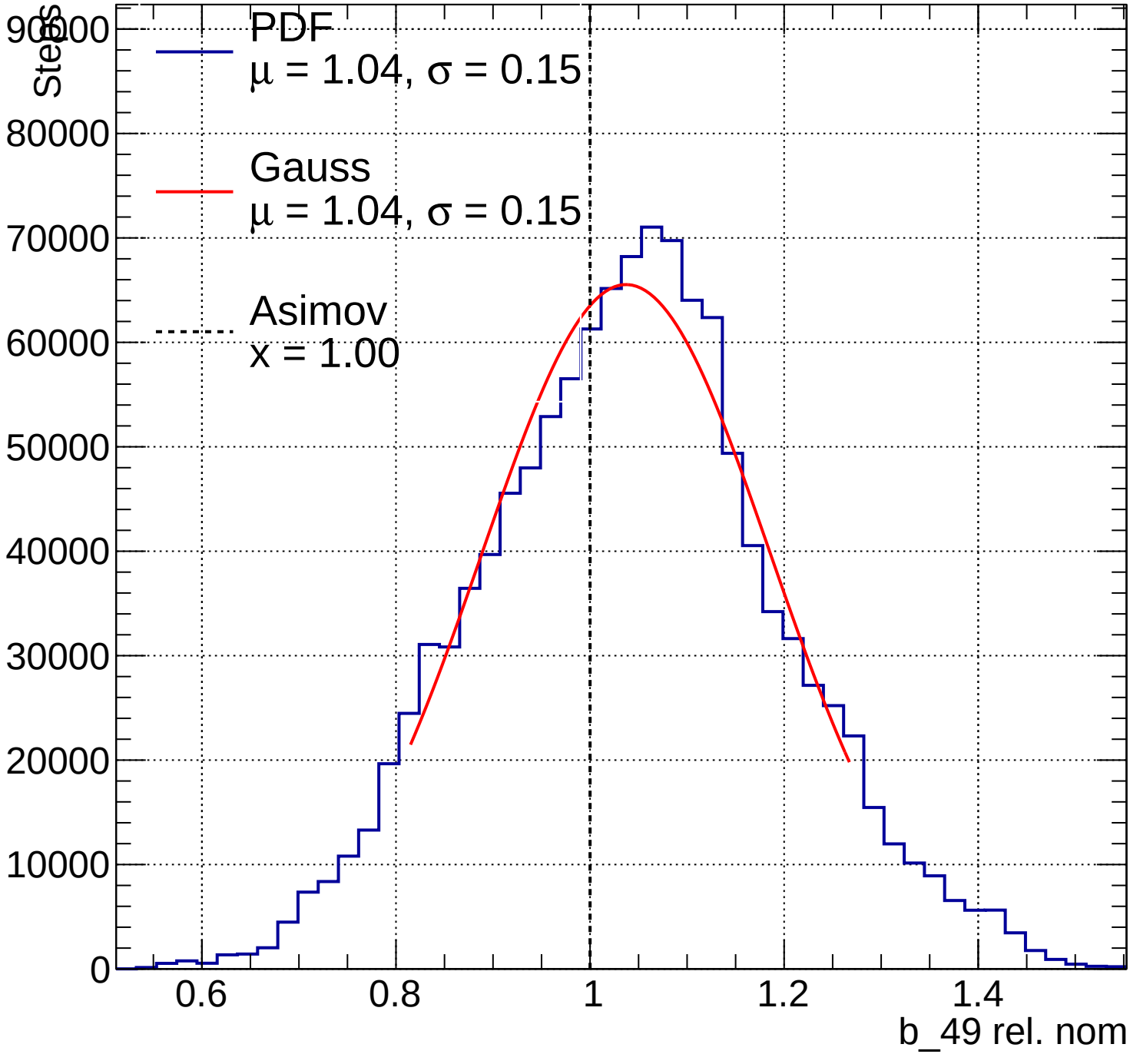

PDF
μ = 0.99, σ = 0.04
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_44 rel. nom

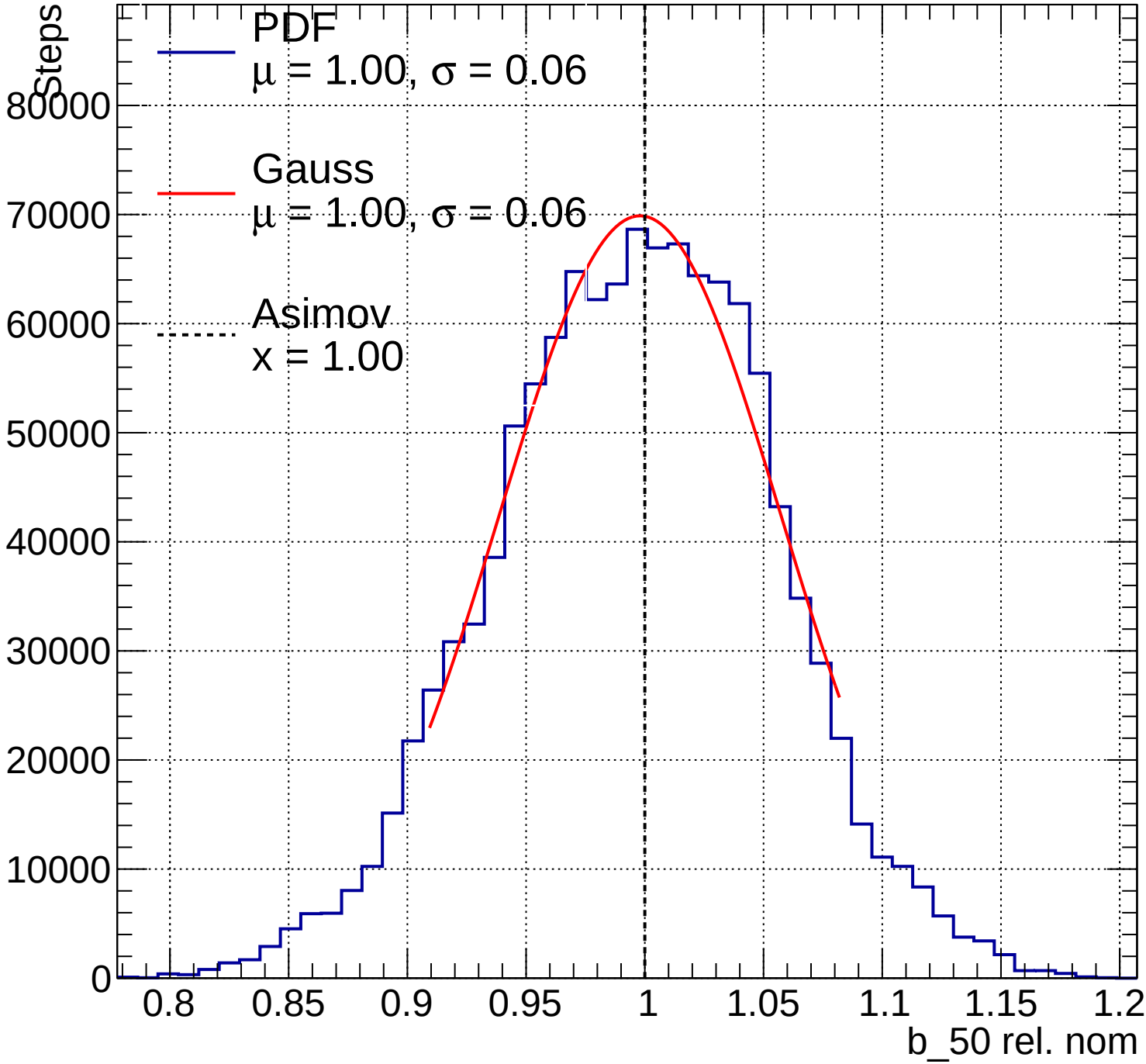

PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
Seps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_45 rel. nom

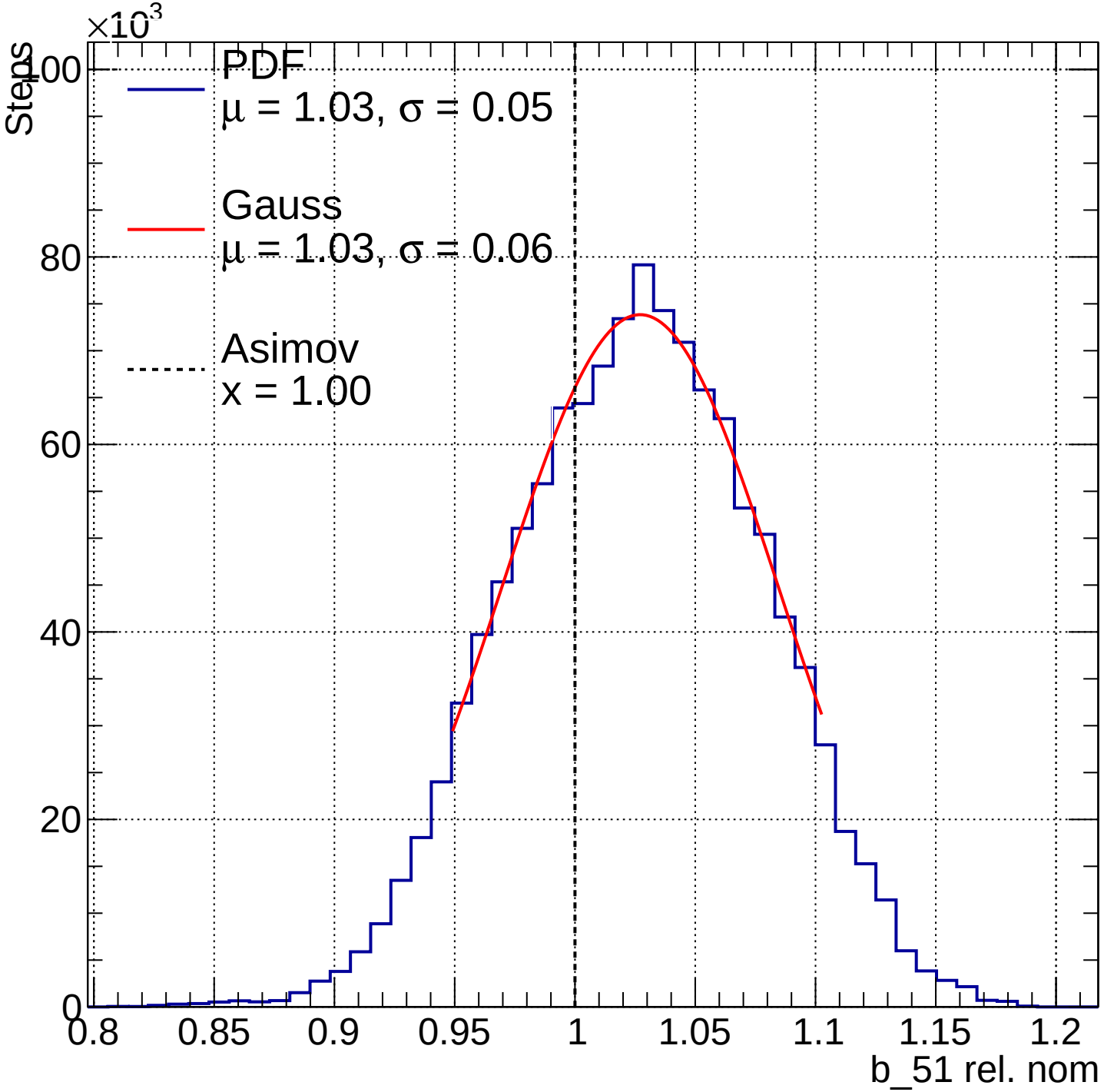

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_46 rel. nom

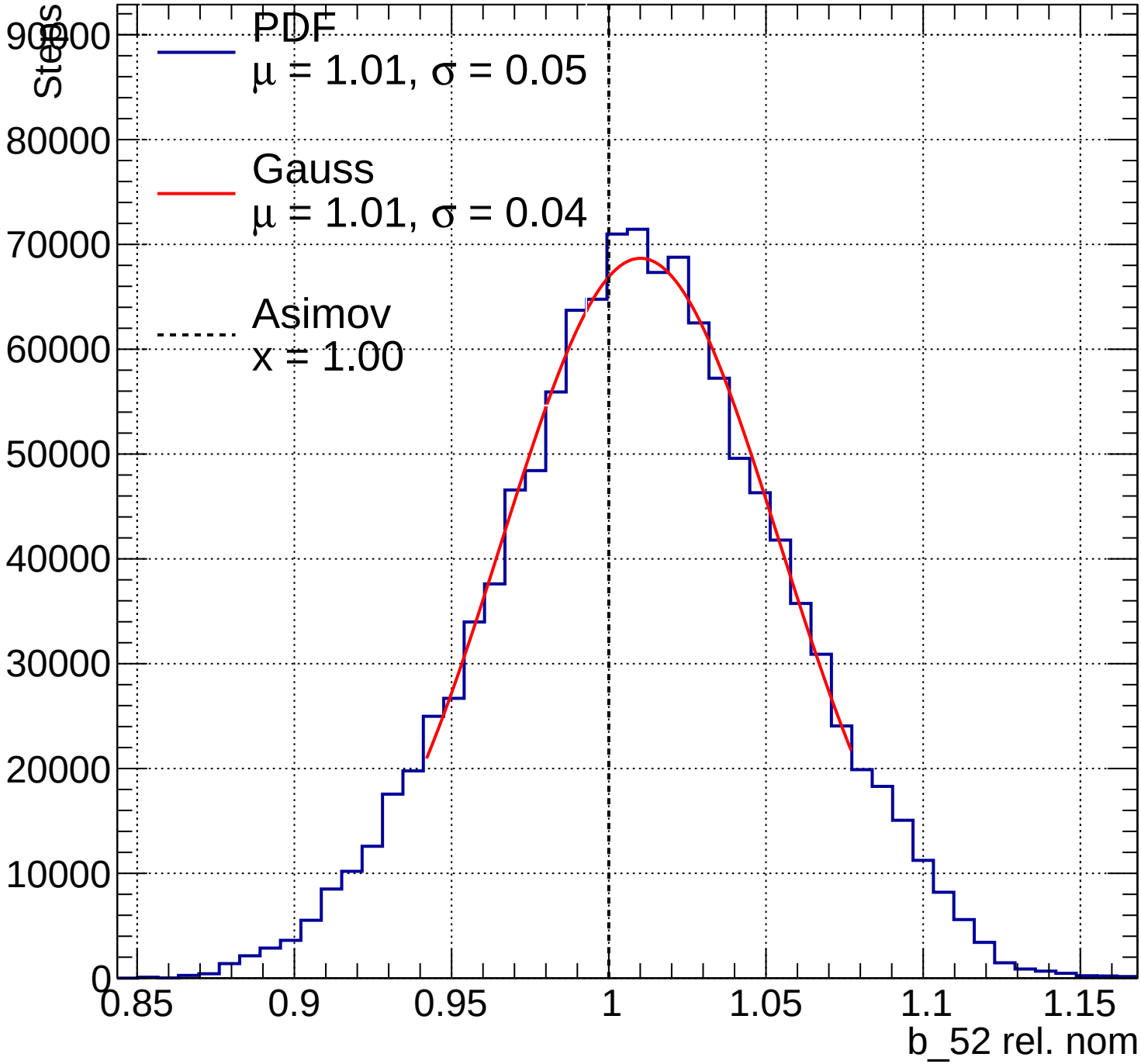

PDF
μ = 1.01, σ = 0.07
Gauss
μ = 1.01, σ = 0.07
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_47 rel. nom

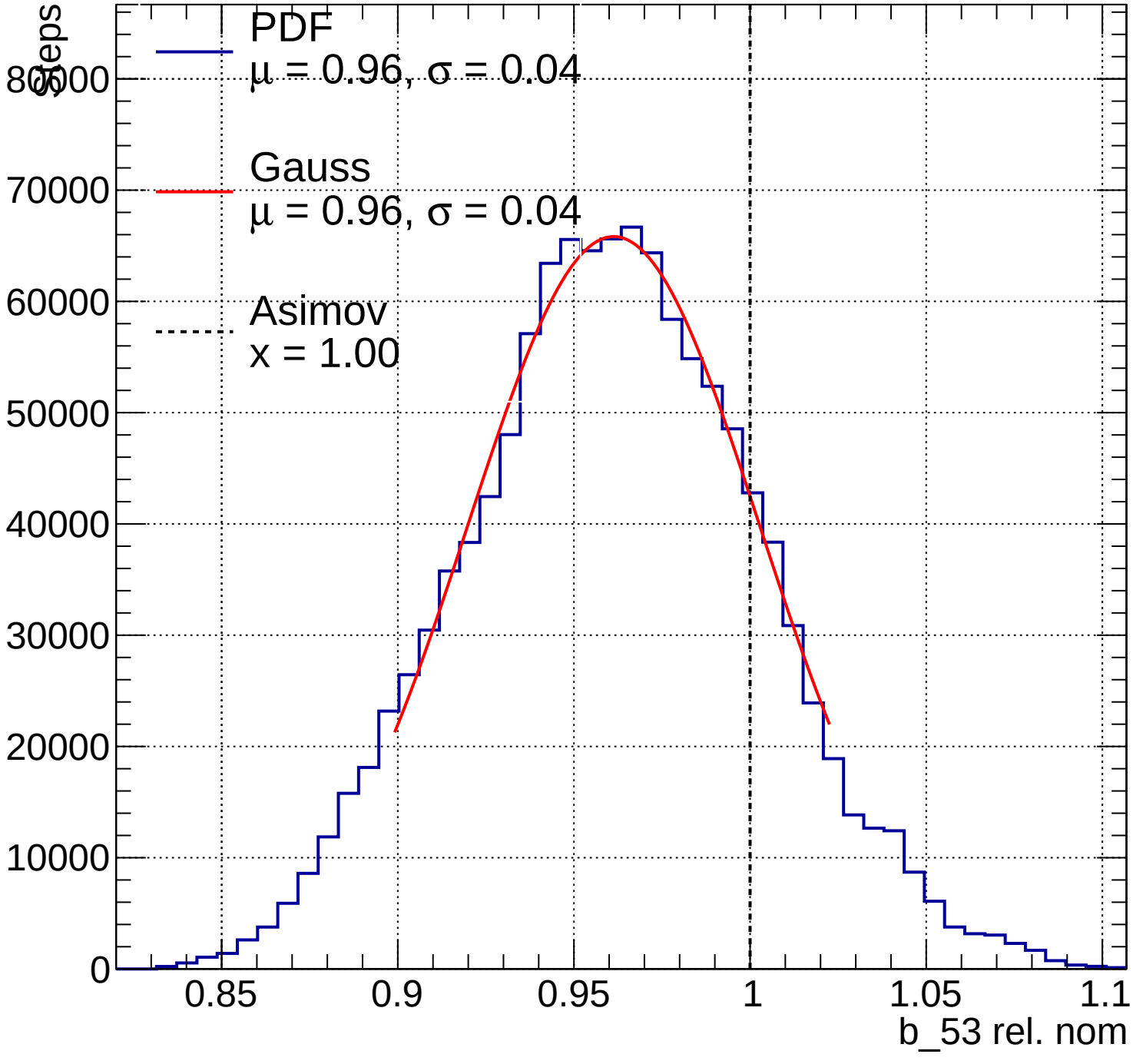

PDF
μ = 1.01, σ = 0.07
Gauss
μ = 1.02, σ = 0.07
Asimov
x = 1.00
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_48 rel. nom

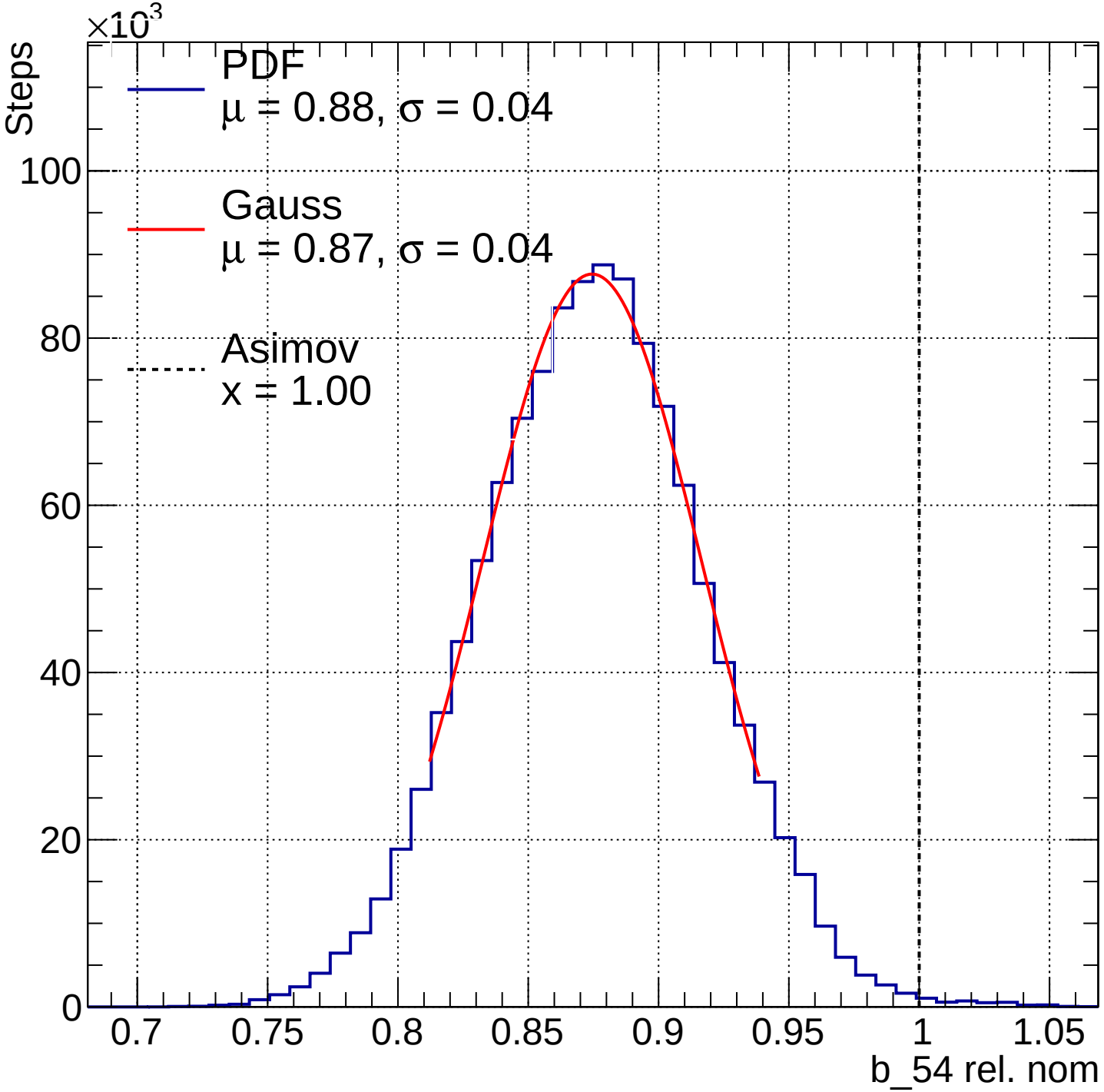

PDF
μ = 1.04, σ = 0.15
Gauss
μ = 1.04, σ = 0.15
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.6
0.8
1
1.2
1.4
b_49 rel. nom

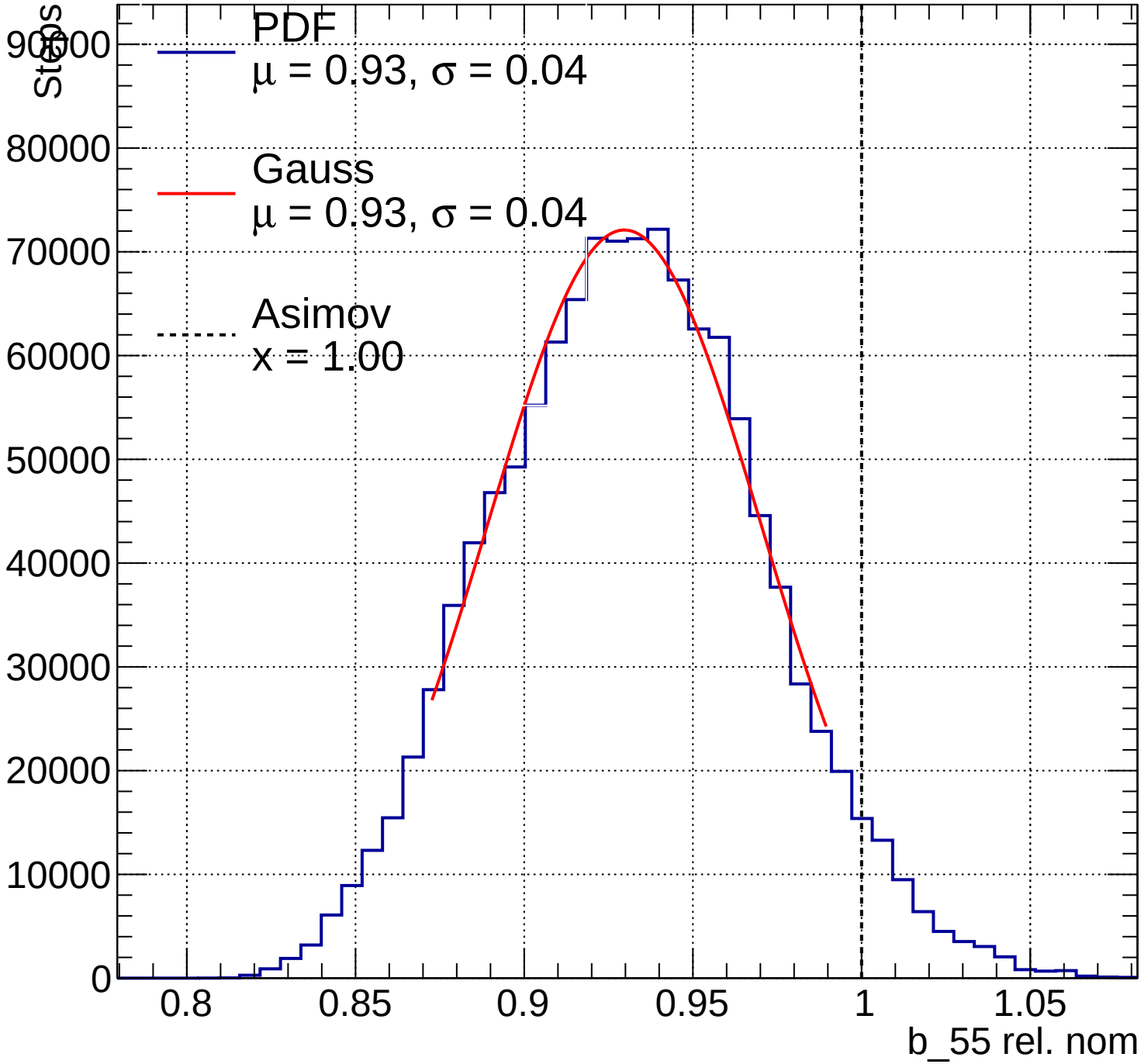

Steps
PDF
μ = 1.00, σ = 0.06
Gauss
μ = 1.00, σ = 0.06
Asimov
x = 1.00
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_50 rel. nom

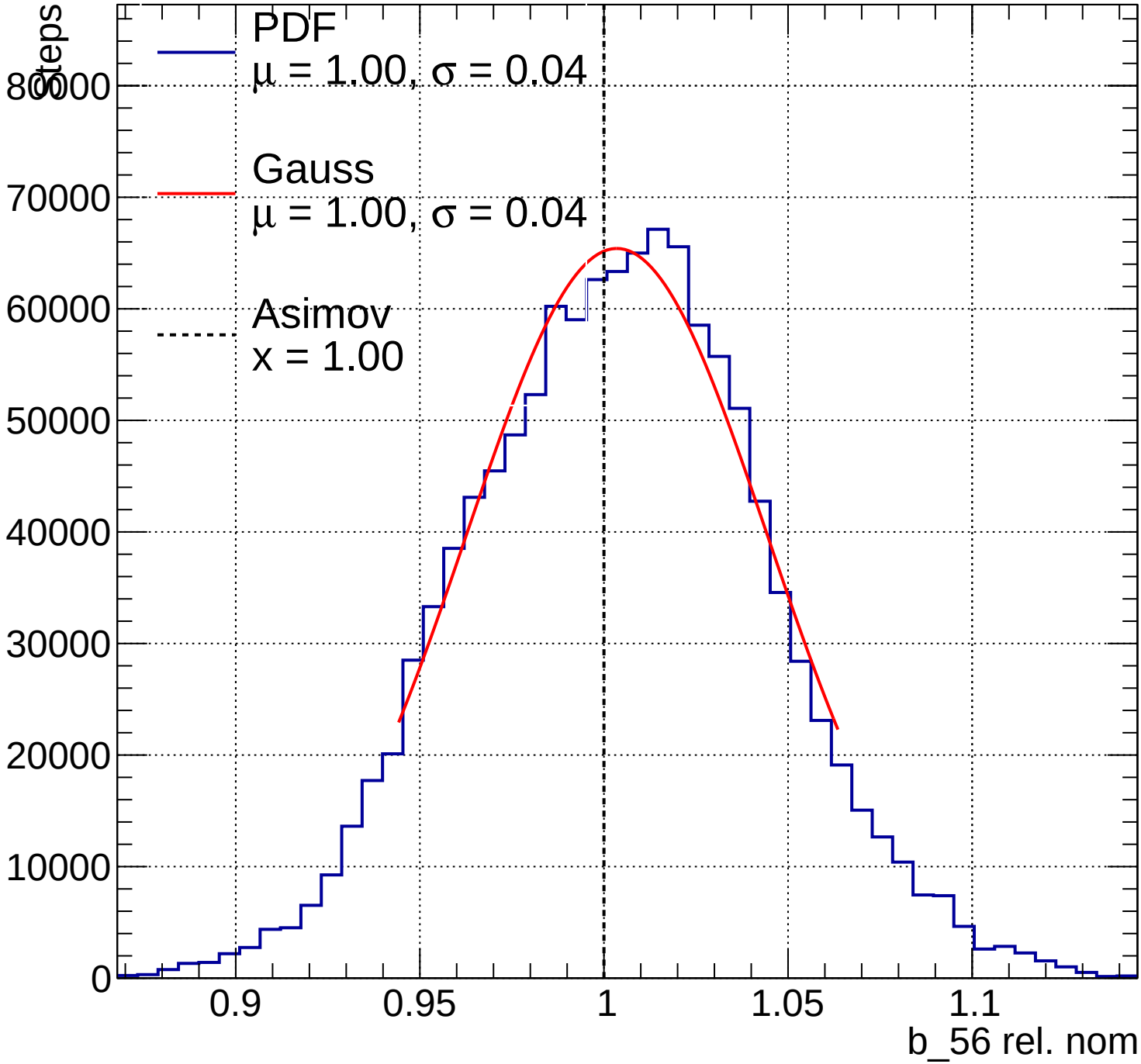

×10^3
Steps
PDF
μ = 1.03, σ = 0.05
Gauss
μ = 1.03, σ = 0.06
Asimov
x = 1.00
0
20
40
60
80
100
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_51 rel. nom

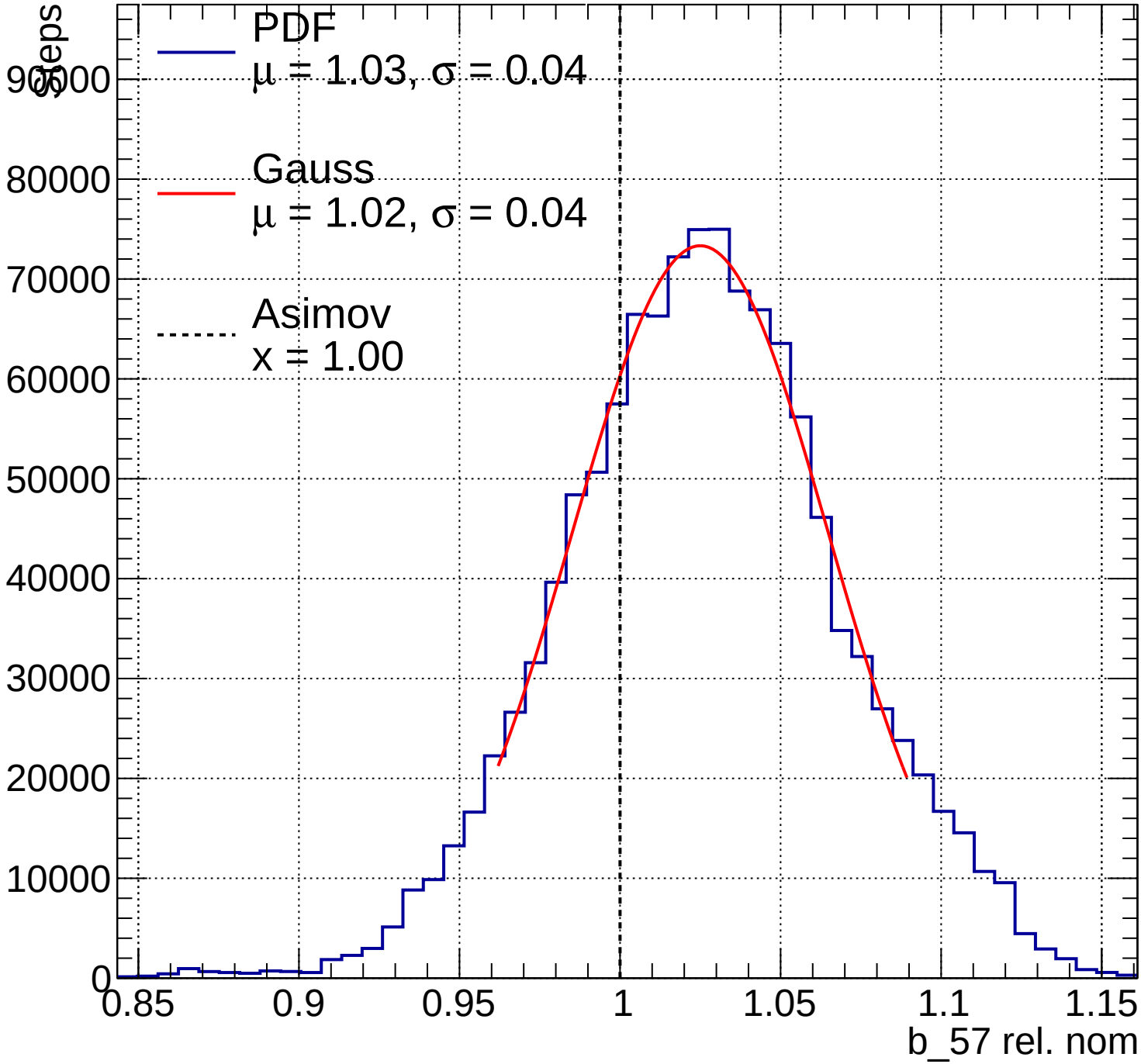

Steps
PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.01, σ = 0.04
Asimov
x = 1.00
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_52 rel. nom

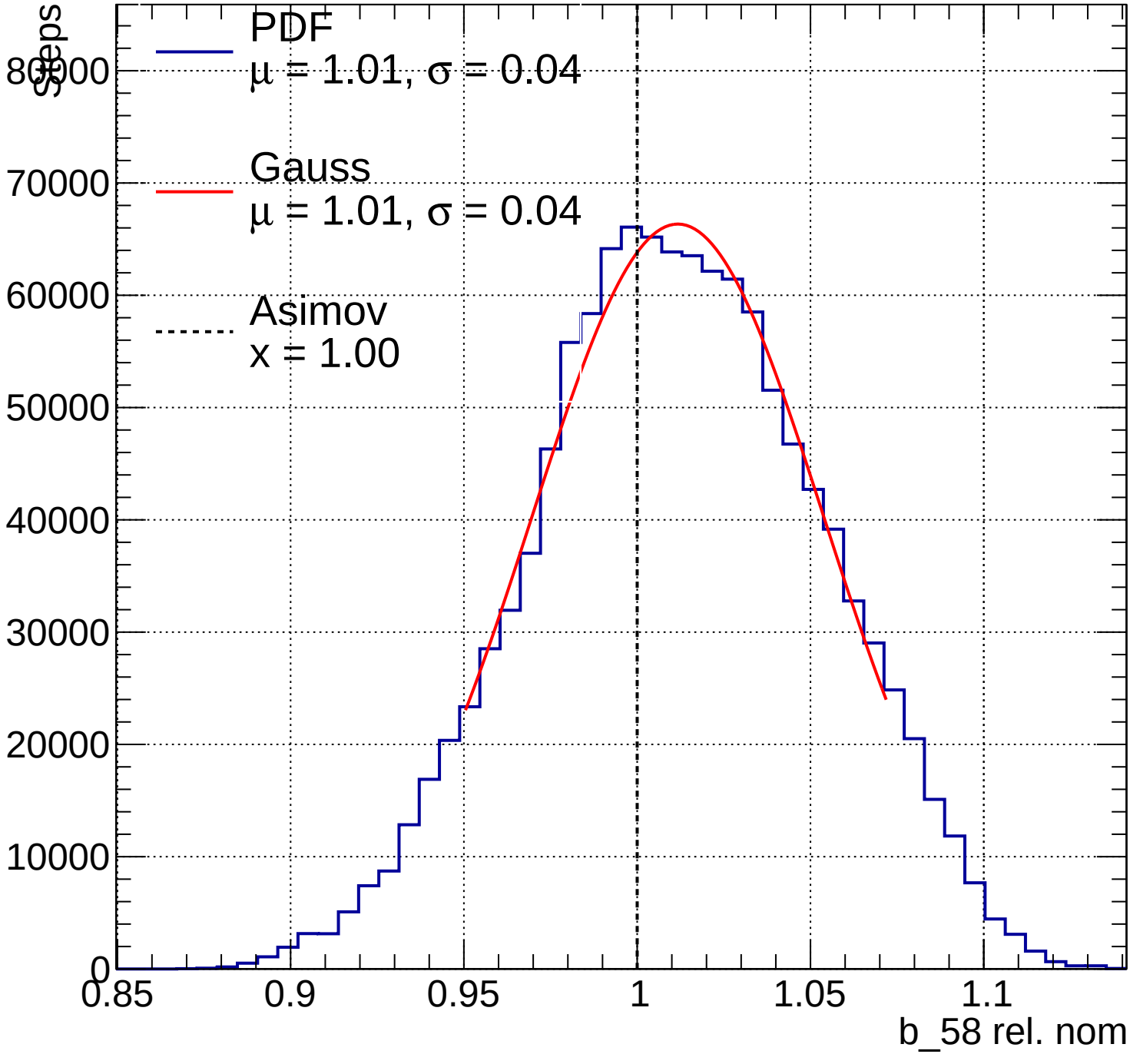

PDF
μ = 0.96, σ = 0.04
Gauss
μ = 0.96, σ = 0.04
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_53 rel. nom

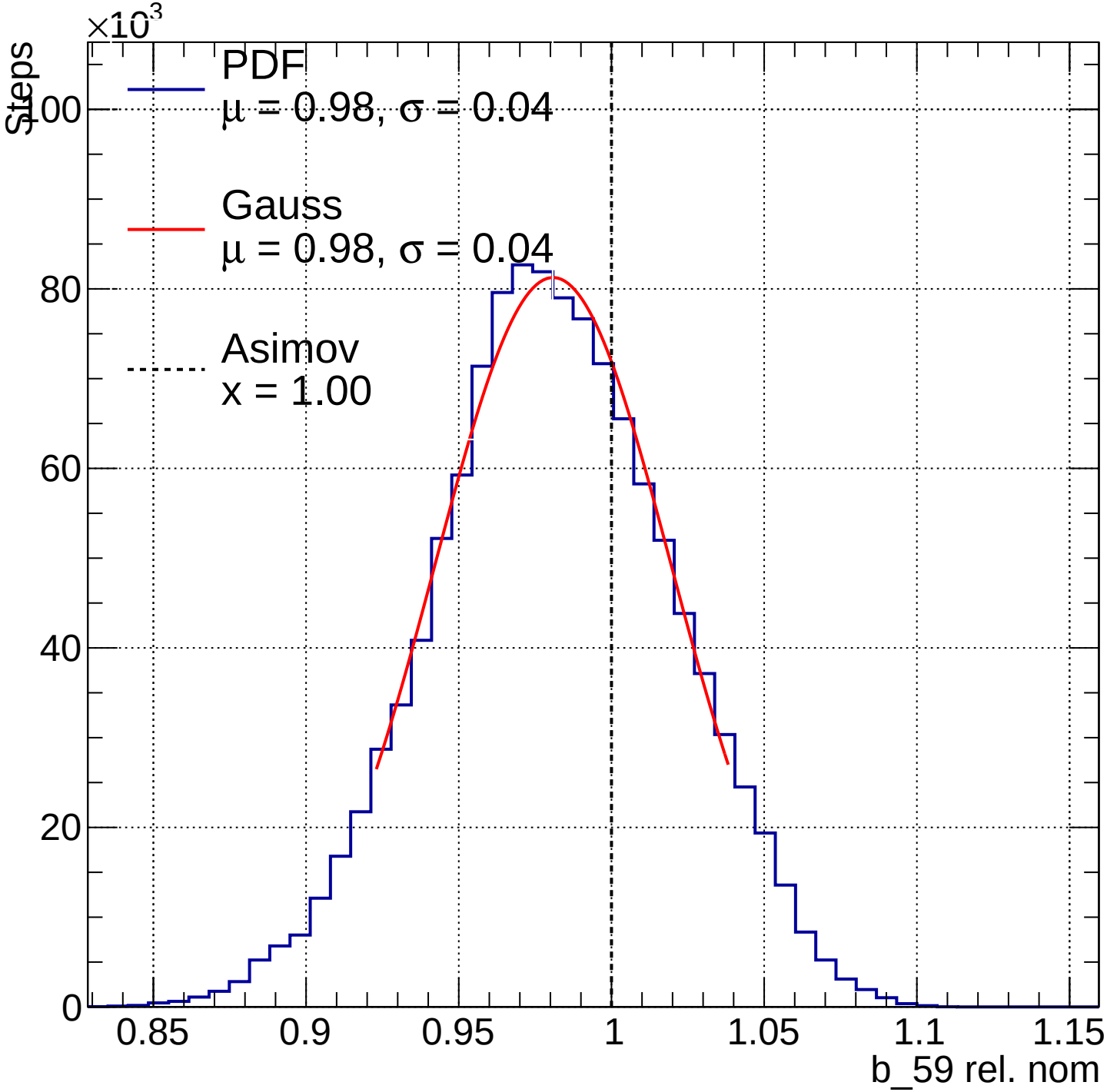

×10^3
Steps
PDF
μ = 0.88, σ = 0.04
Gauss
μ = 0.87, σ = 0.04
Asimov
x = 1.00
100
80
60
40
20
0
0.7
0.75
0.8
0.85
0.9
0.95
1
1.05
b_54 rel. nom

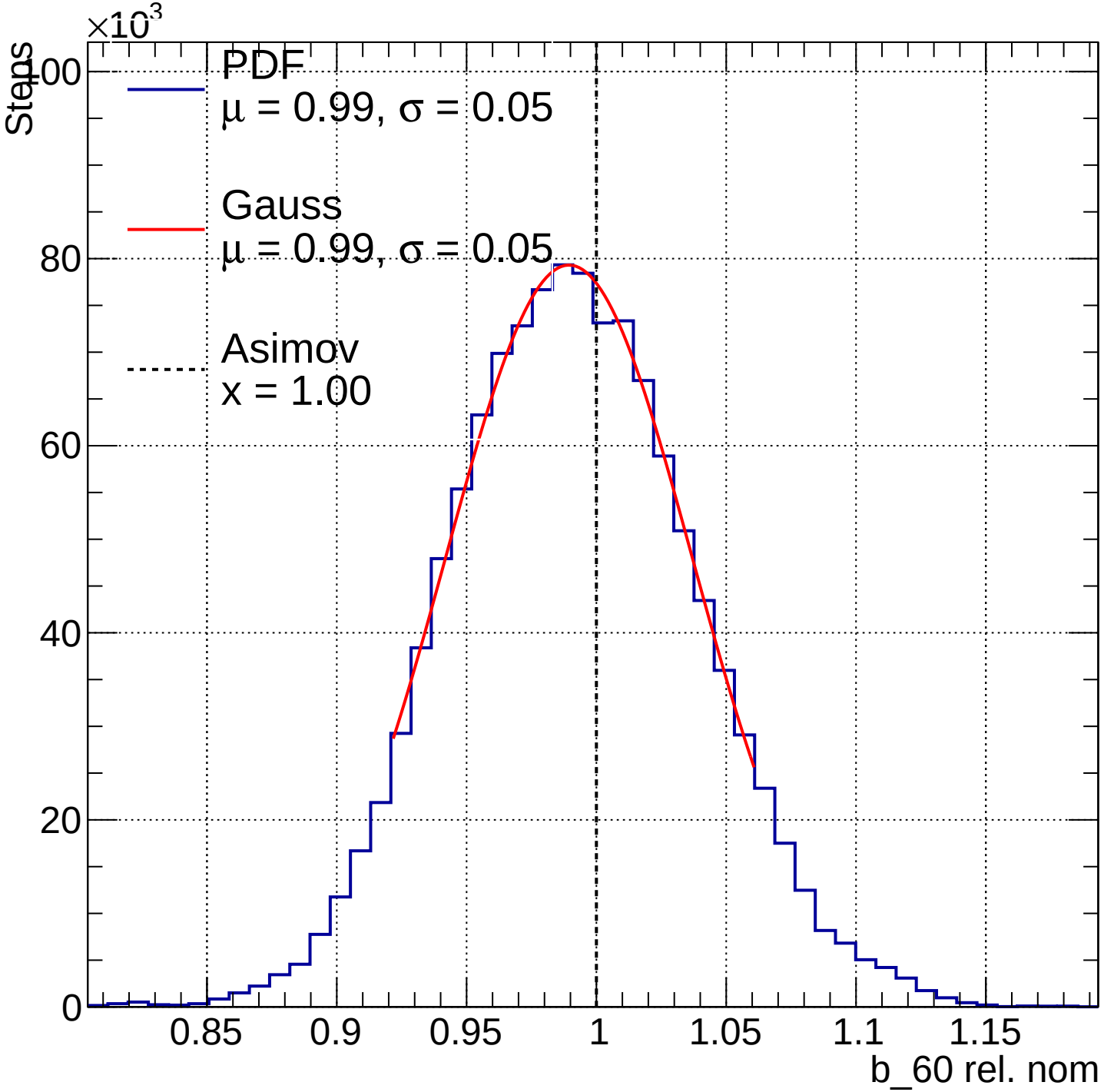

PDF
μ = 0.93, σ = 0.04
Gauss
μ = 0.93, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
b_55 rel. nom

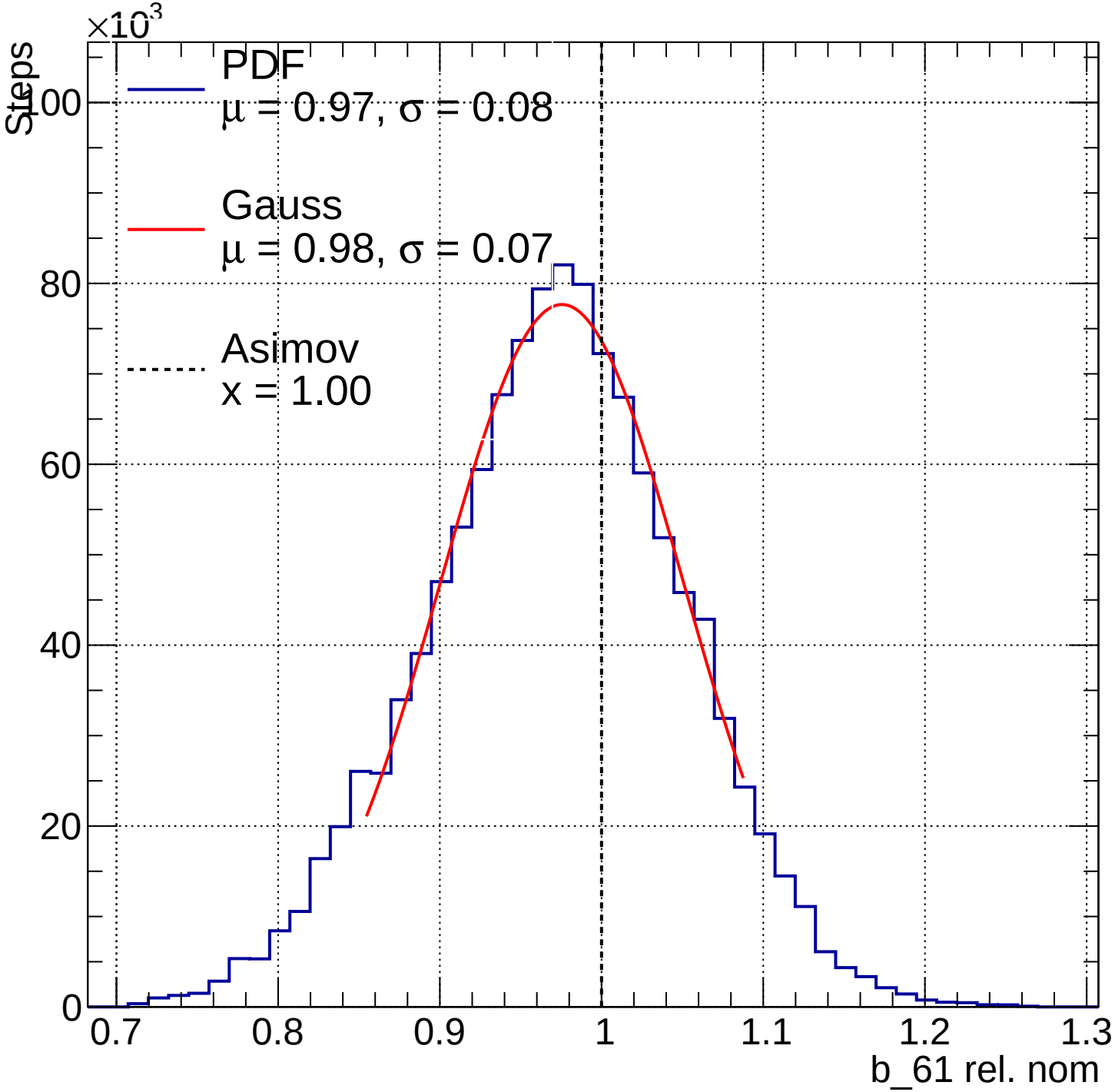

steps
PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
b_56 rel. nom

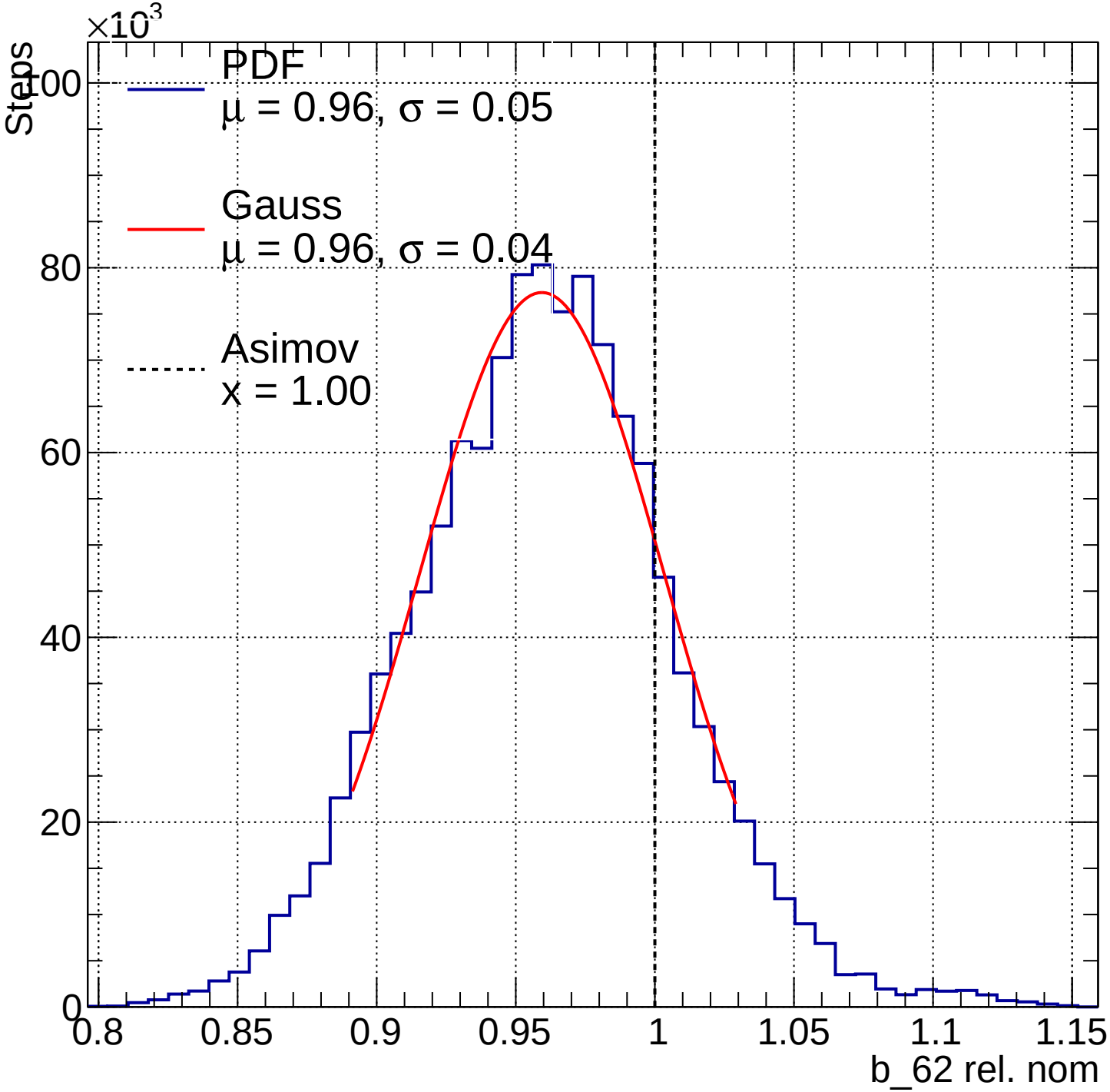

PDF
μ = 1.03, σ = 0.04
Gauss
μ = 1.02, σ = 0.04
Asimov
x = 1.00
events
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_57 rel. nom

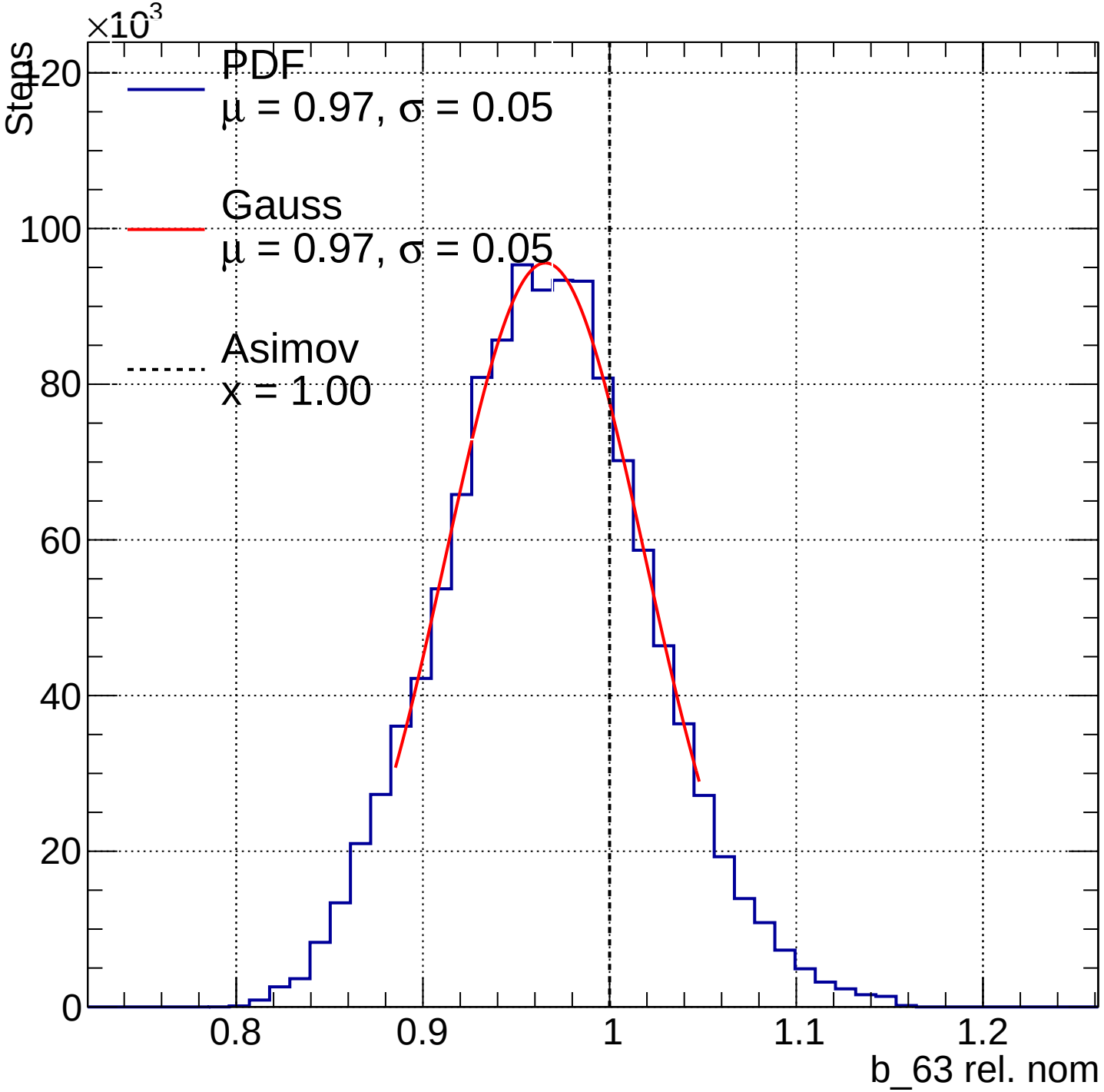

PDF
μ = 1.01, σ = 0.04
Gauss
μ = 1.01, σ = 0.04
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_58 rel. nom

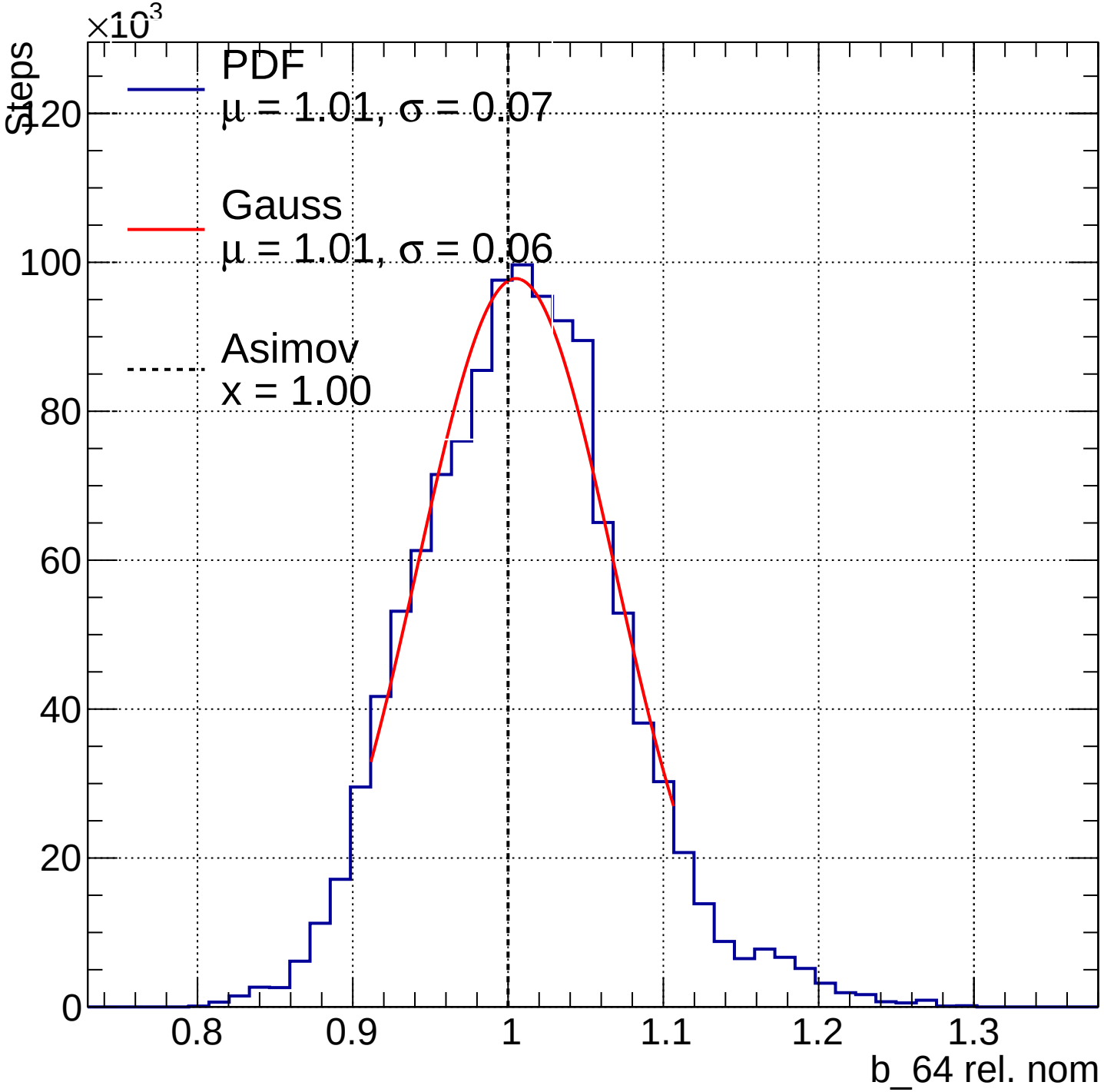

×10^3
Steps
PDF
μ = 0.98, σ = 0.04
Gauss
μ = 0.98, σ = 0.04
Asimov
x = 1.00
100
80
60
40
20
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_59 rel. nom

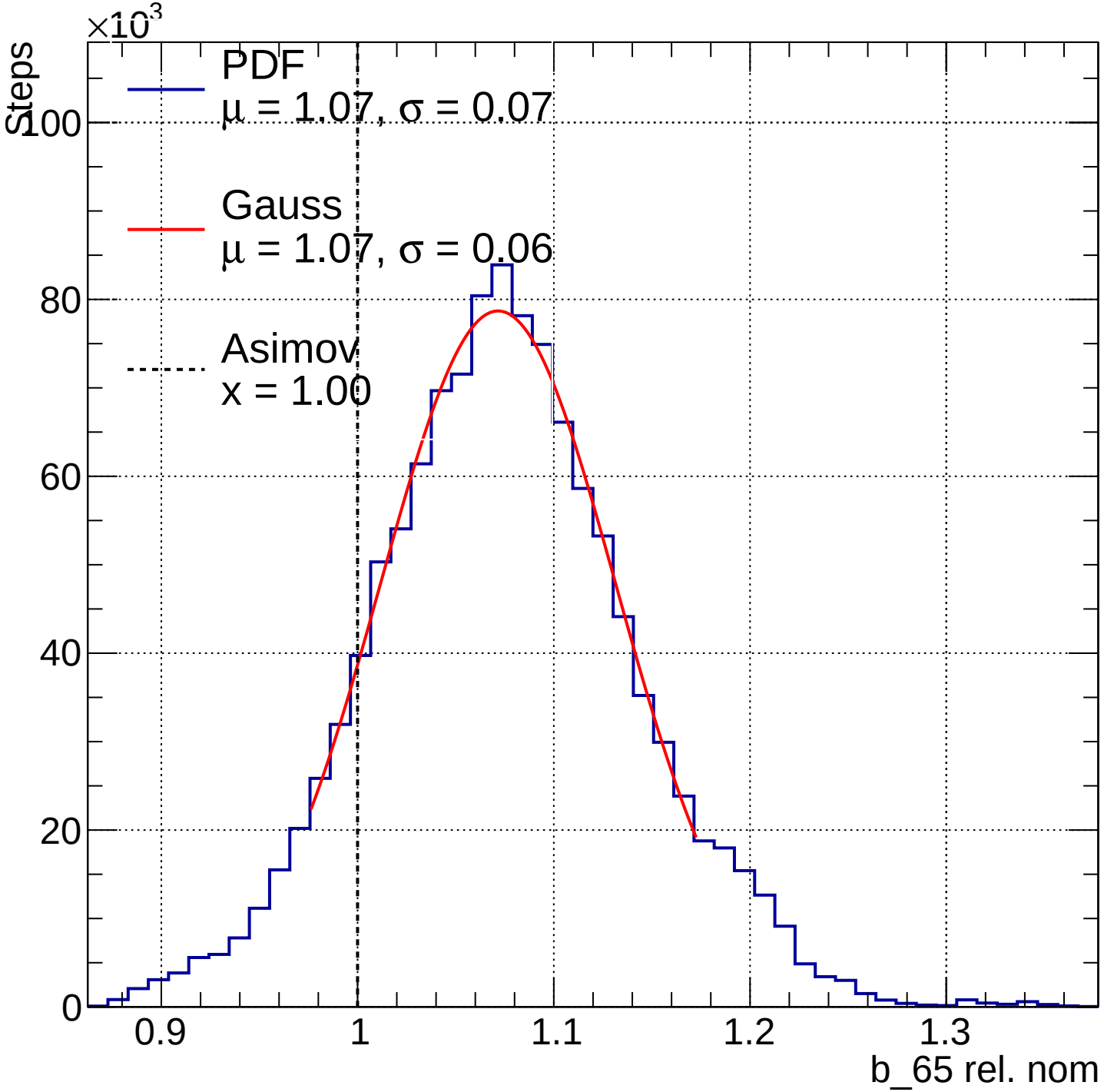

×10^3
Steps
PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.99, σ = 0.05
Asimov
x = 1.00
100
80
60
40
20
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_60 rel. nom

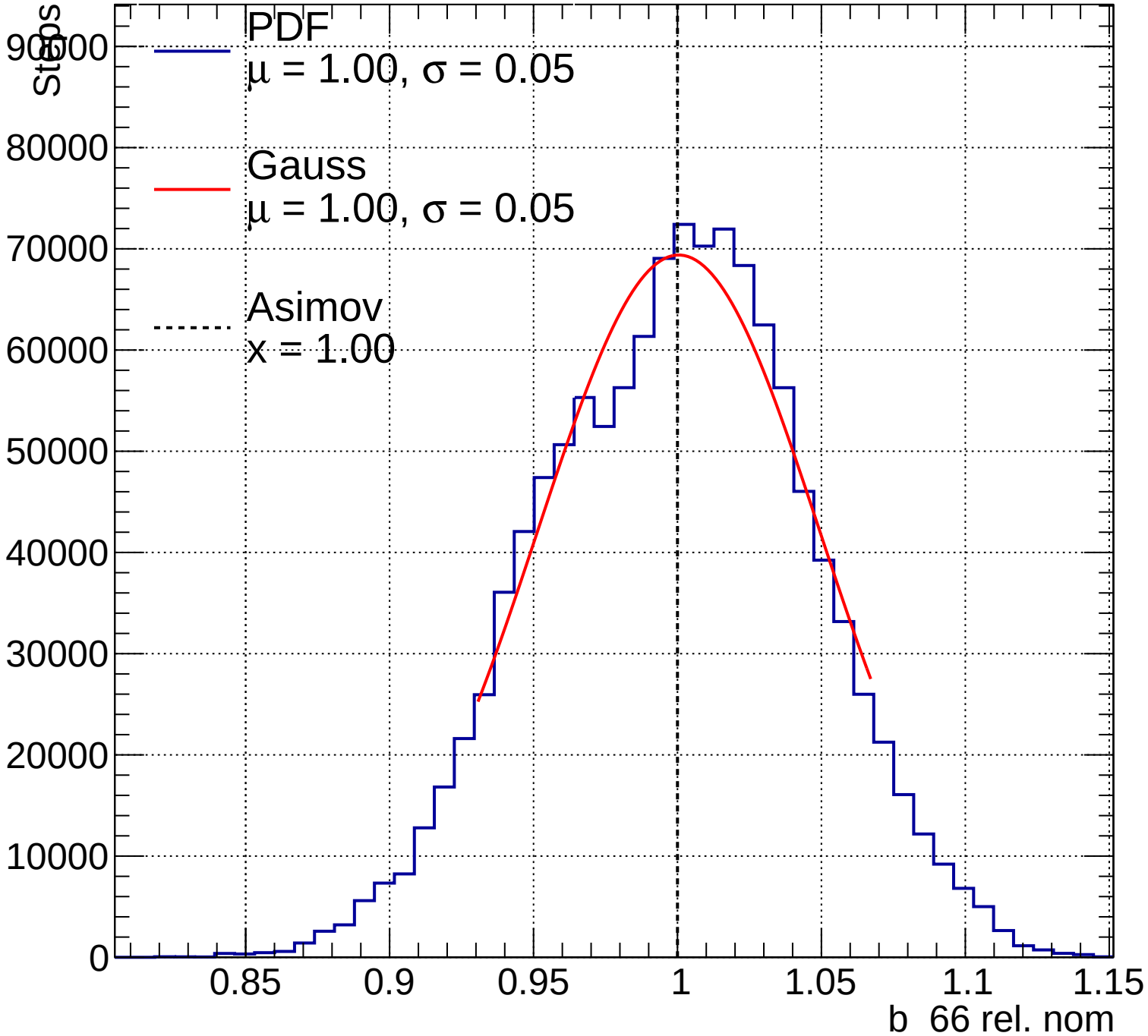

×10^3
Steps
PDF
μ = 0.97, σ = 0.08
Gauss
μ = 0.98, σ = 0.07
Asimov
x = 1.00
100
80
60
40
20
0
0.7
0.8
0.9
1
1.1
1.2
1.3
b_61 rel. nom

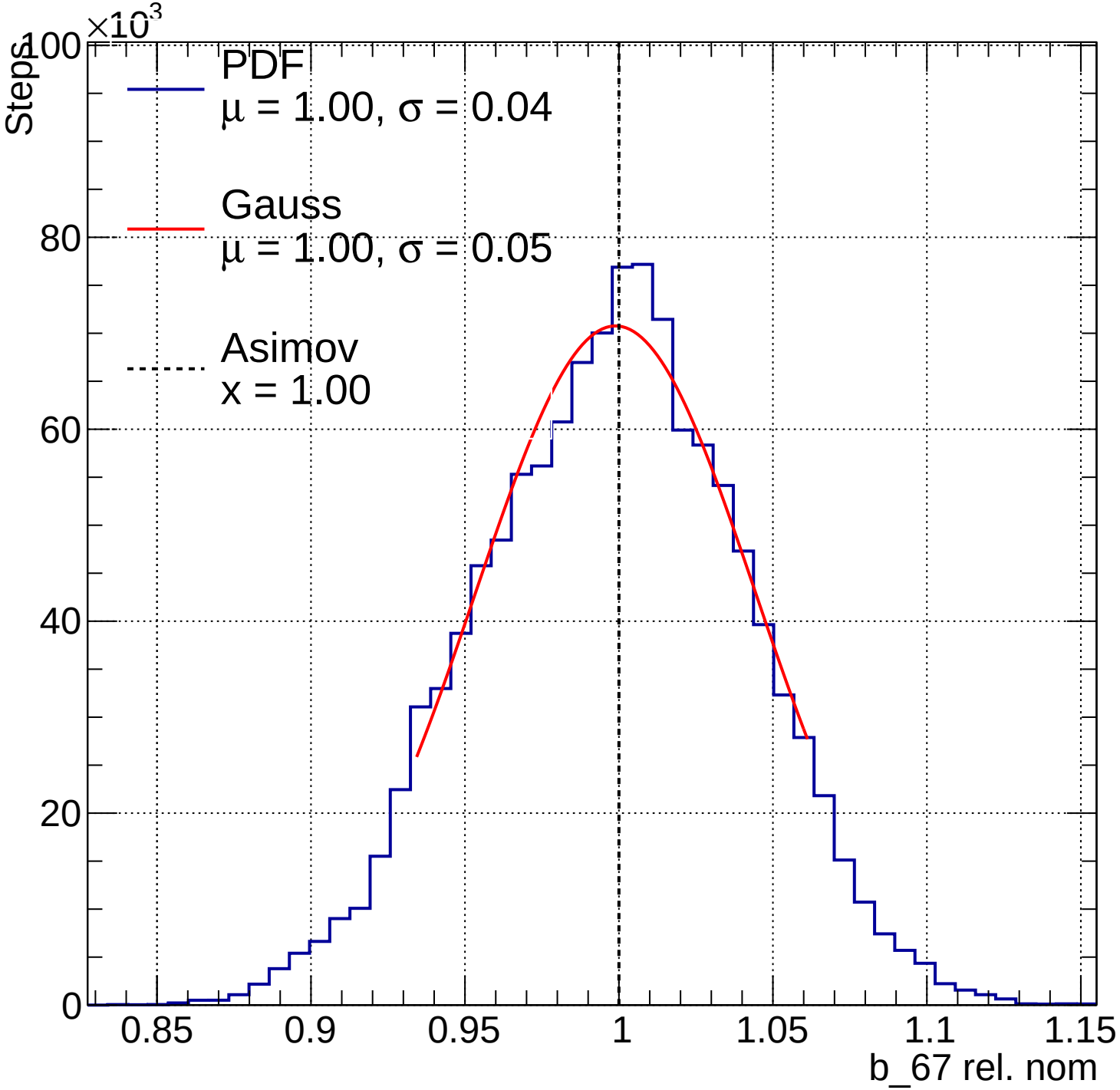

×10^3
Steps
PDF
μ = 0.96, σ = 0.05
Gauss
μ = 0.96, σ = 0.04
Asimov
x = 1.00
0
20
40
60
80
100
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_62 rel. nom

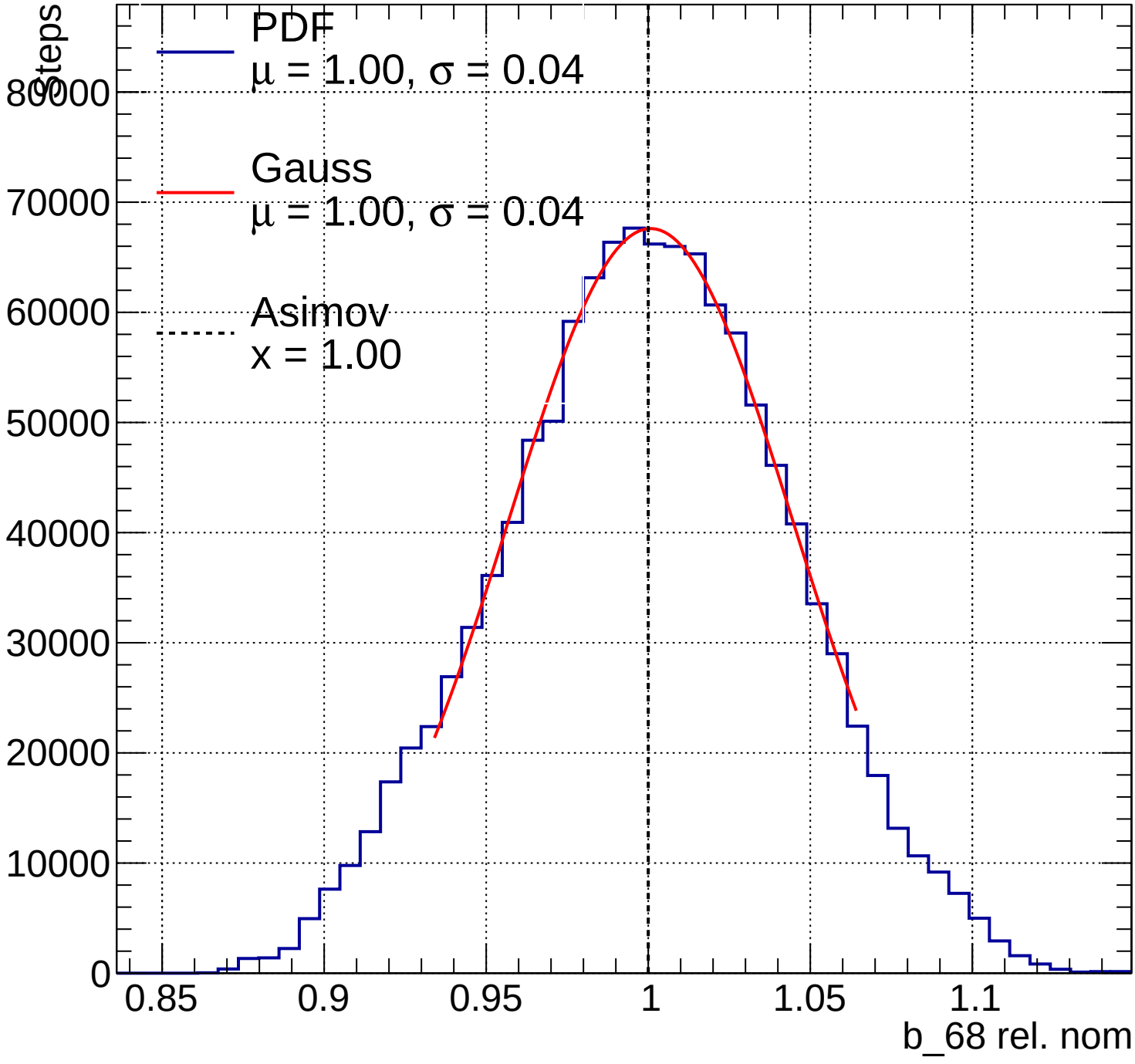

×10^3
Steps
120
100
80
60
40
20
0
PDF
μ = 0.97, σ = 0.05
Gauss
μ = 0.97, σ = 0.05
Asimov
x = 1.00
0.8
0.9
1
1.1
1.2
b_63 rel. nom

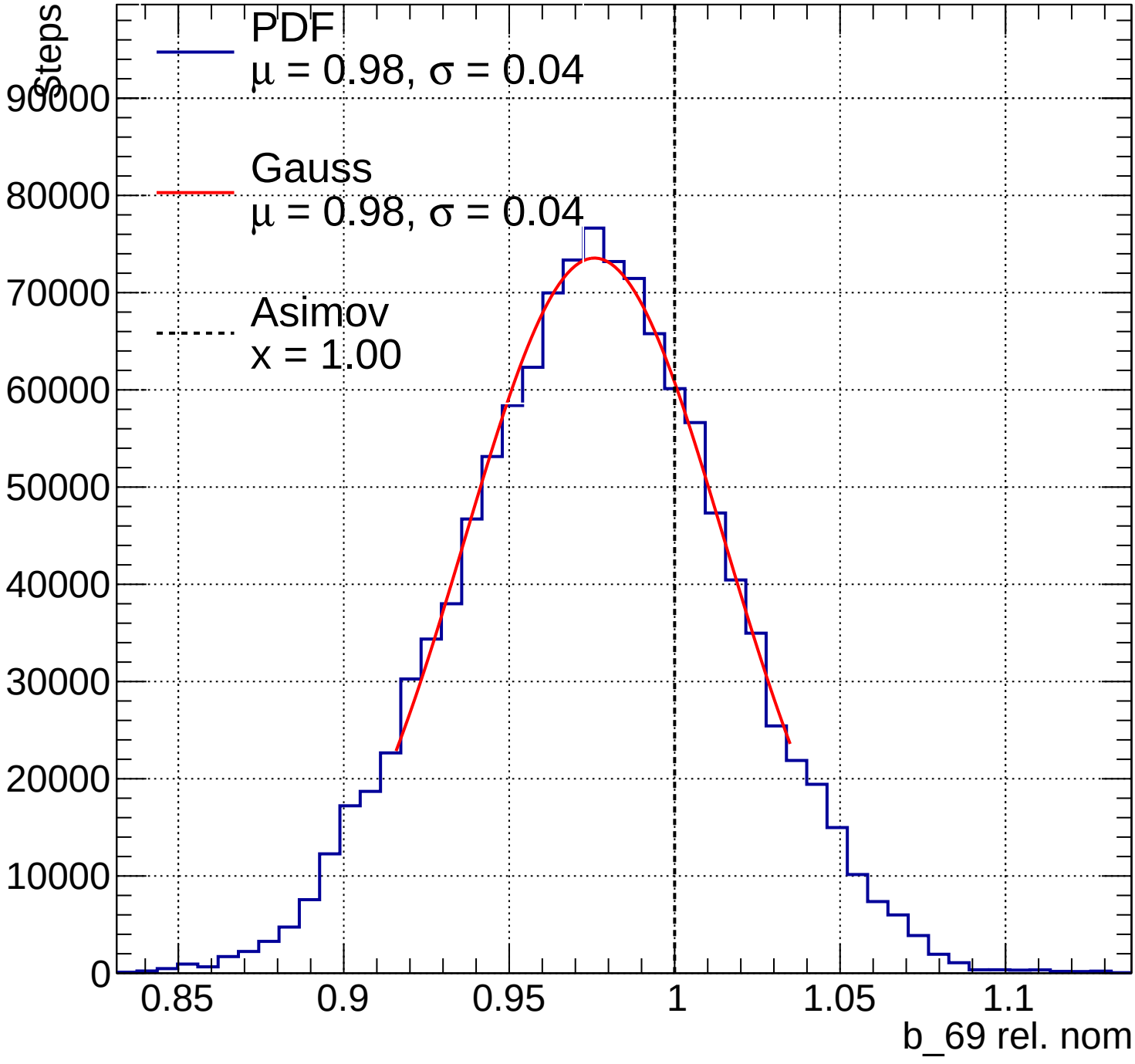

×10^3
Steps
PDF
μ = 1.01, σ = 0.07
Gauss
μ = 1.01, σ = 0.06
Asimov
x = 1.00
0
20
40
60
80
100
120
0.8
0.9
1
1.1
1.2
1.3
b_64 rel. nom

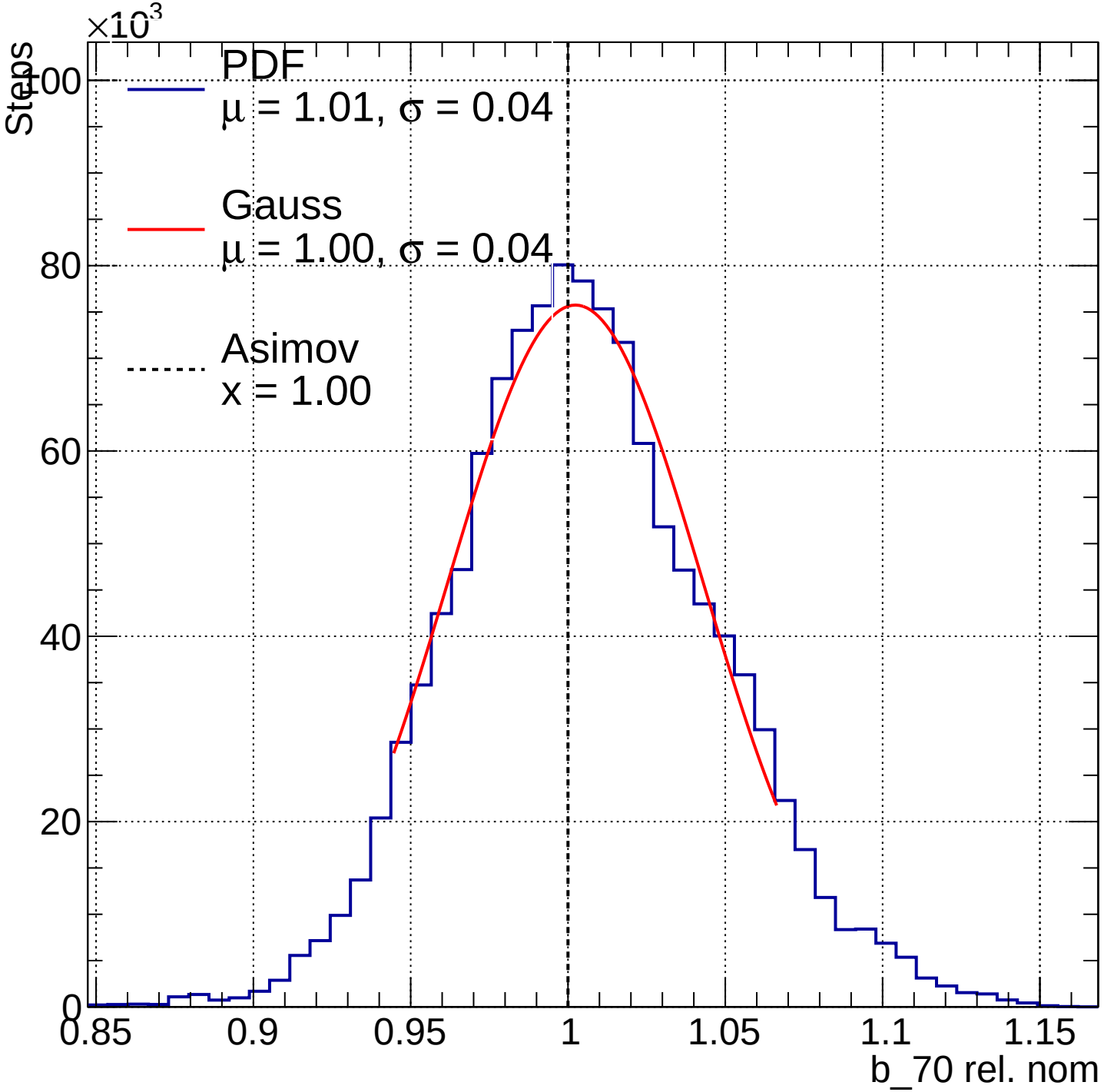

×10^3
Steps
PDF
μ = 1.07, σ = 0.07
Gauss
μ = 1.07, σ = 0.06
Asimov
x = 1.00
100
80
60
40
20
0
0.9
1
1.1
1.2
1.3
b_65 rel. nom

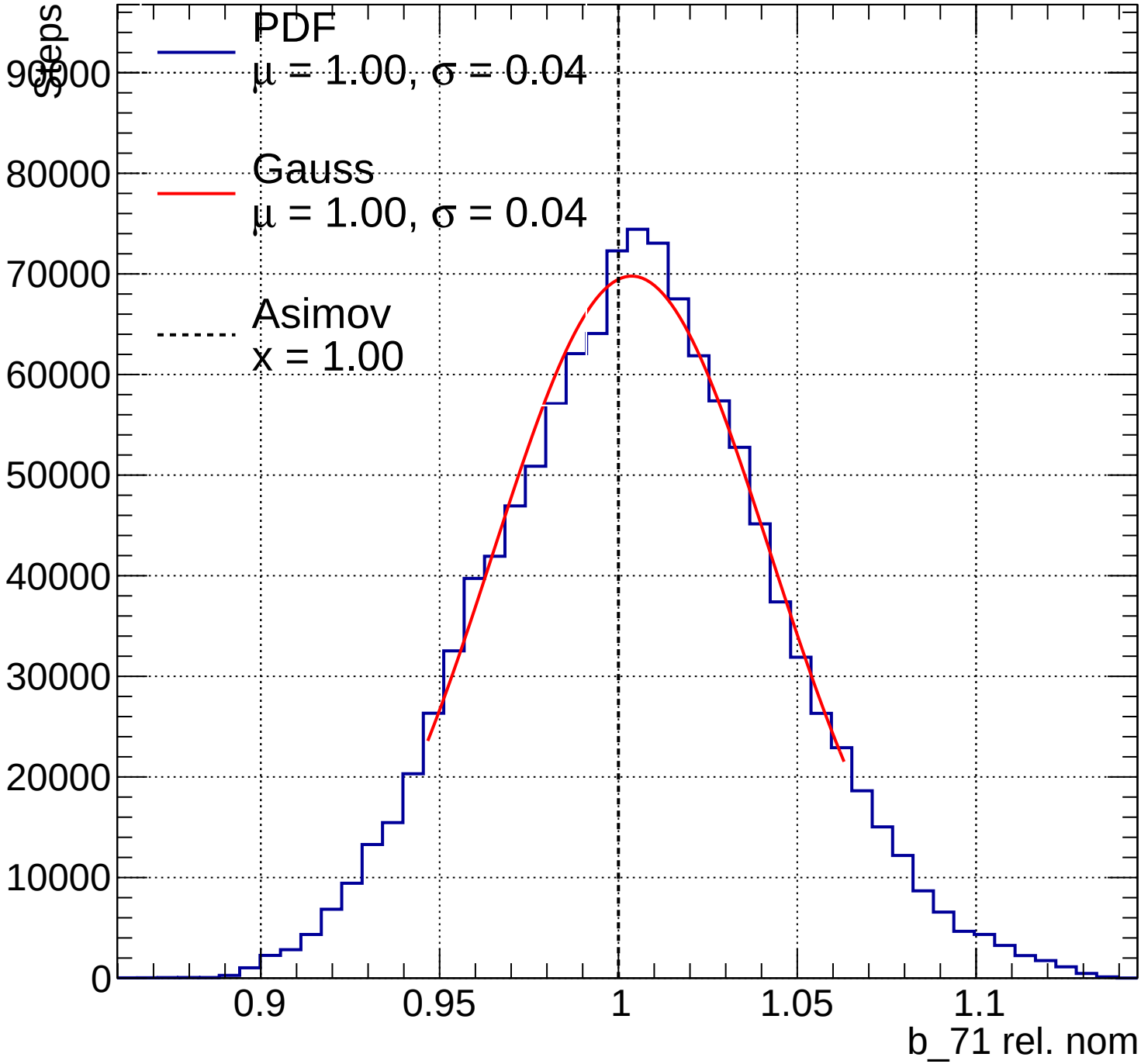

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_66 rel. nom

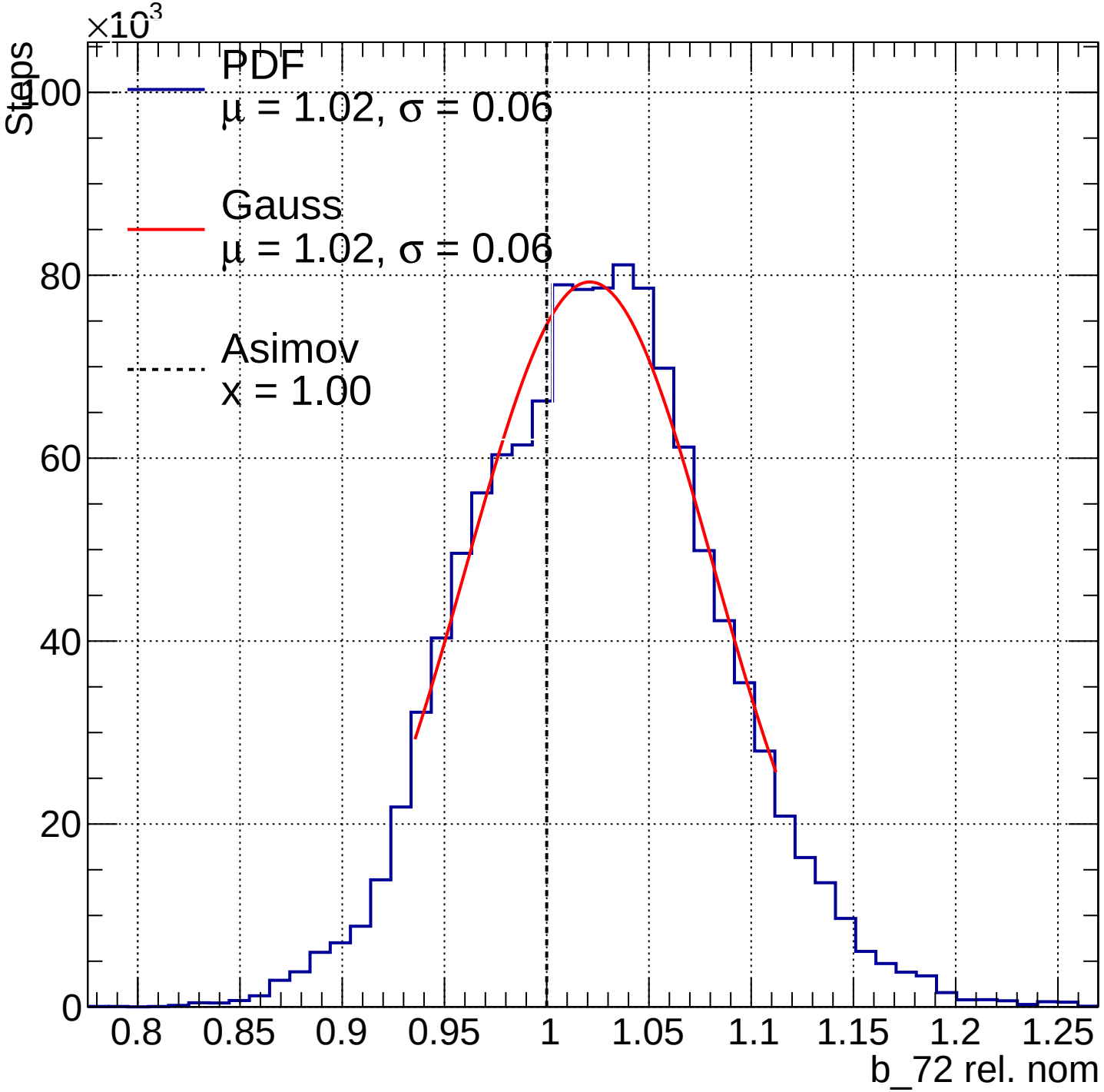

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
b_67 rel. nom

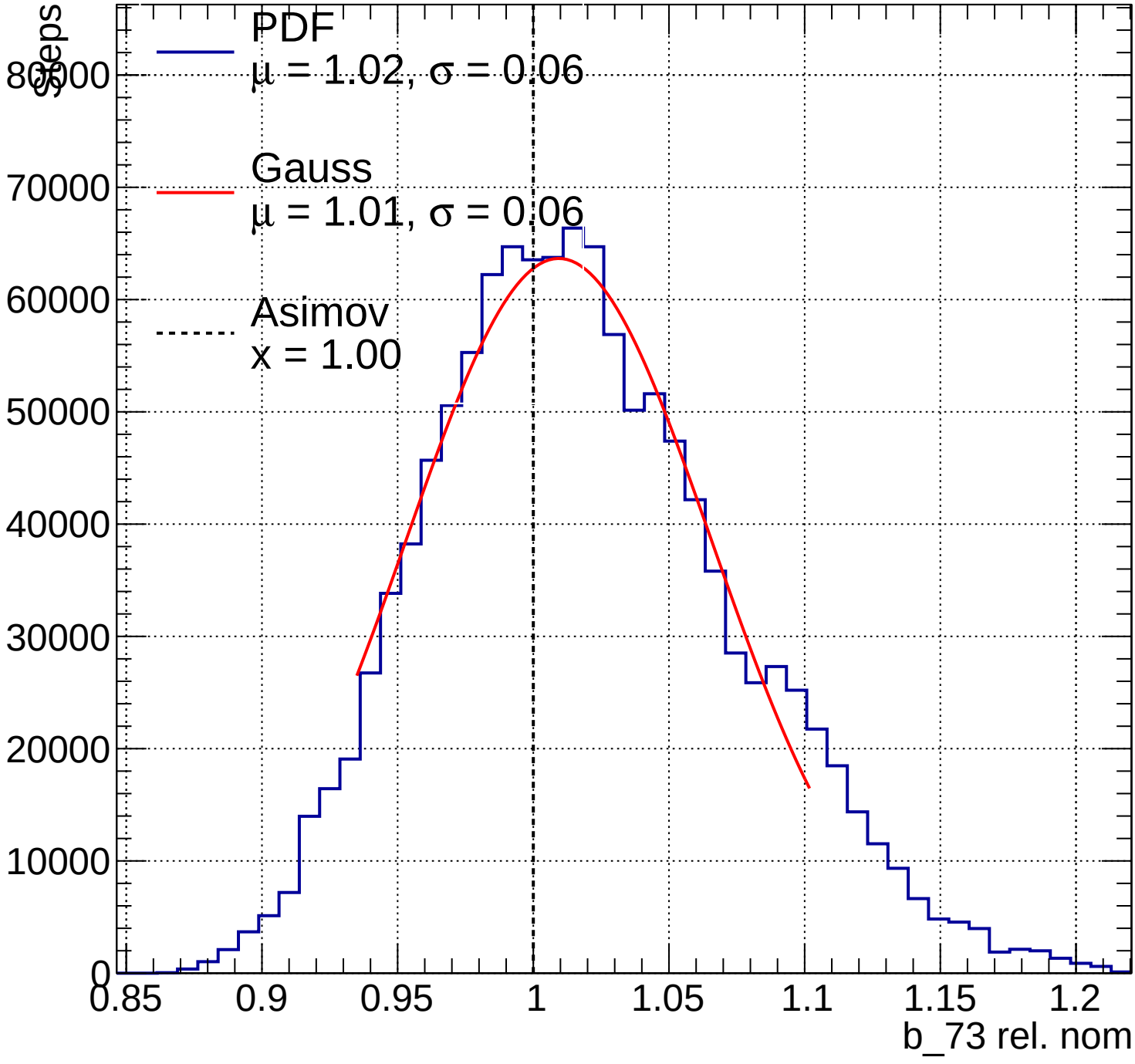

PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_68 rel. nom

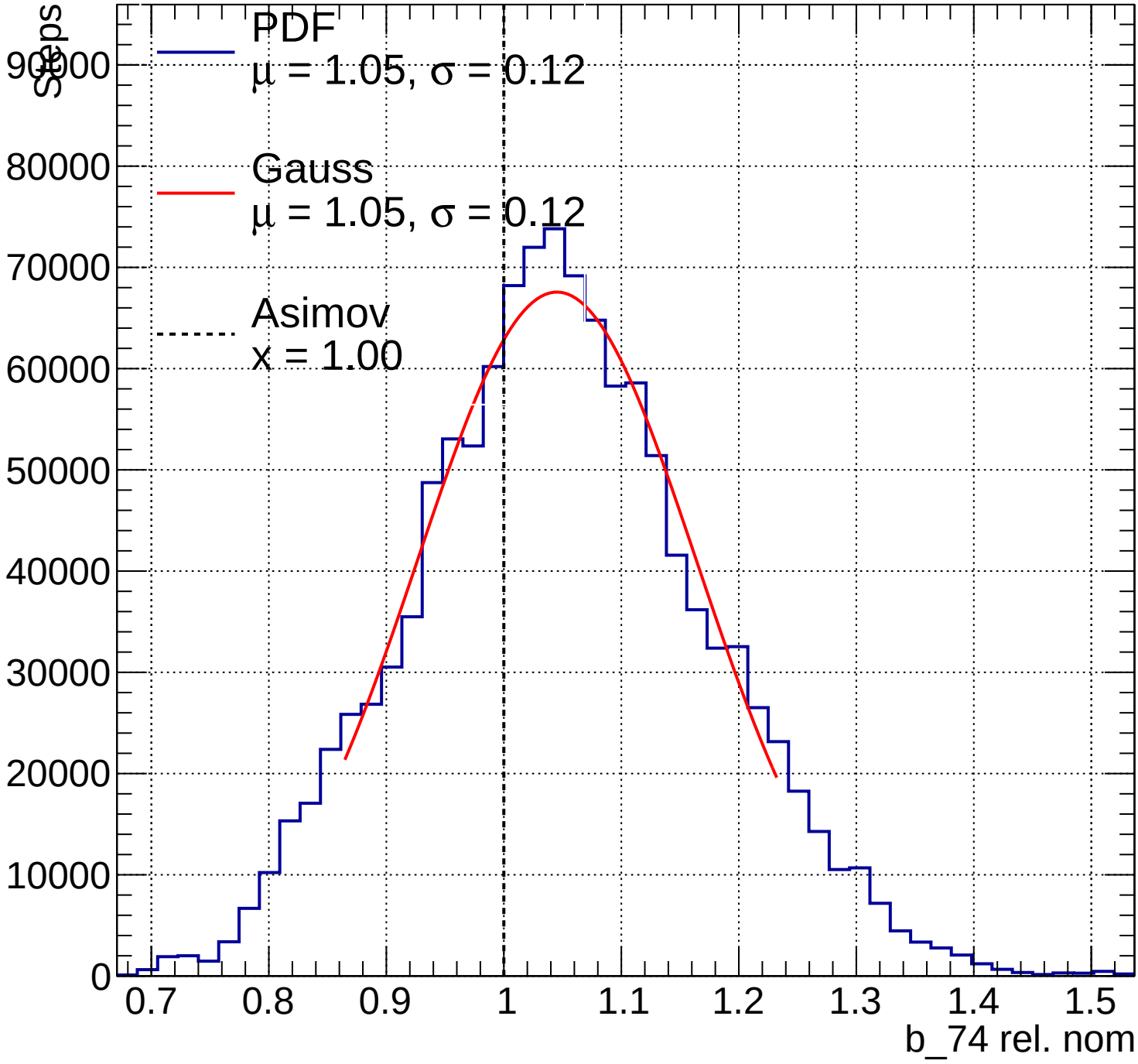

PDF
μ = 0.98, σ = 0.04
Gauss
μ = 0.98, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_69 rel. nom

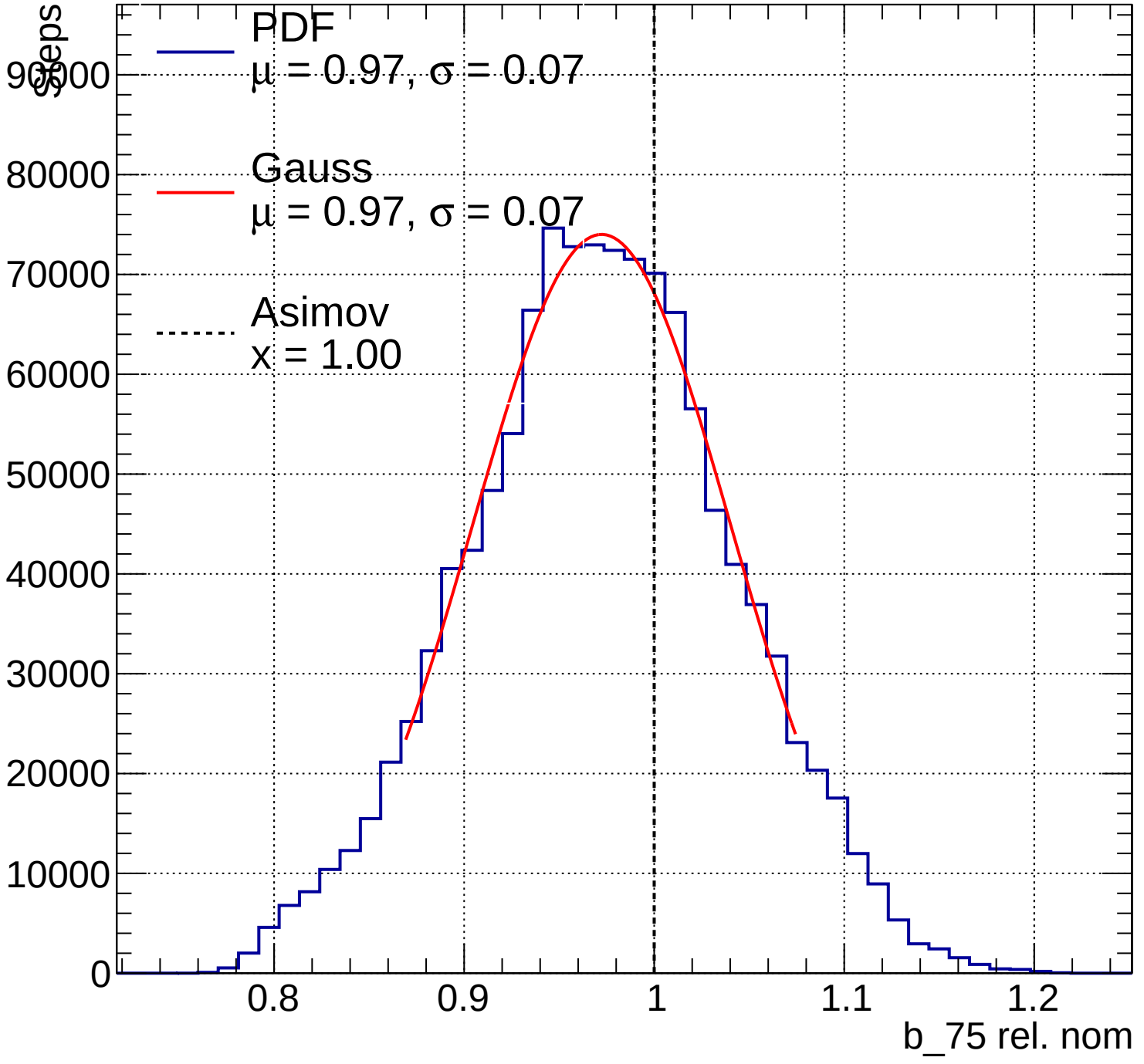

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.01, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
b_70 rel. nom

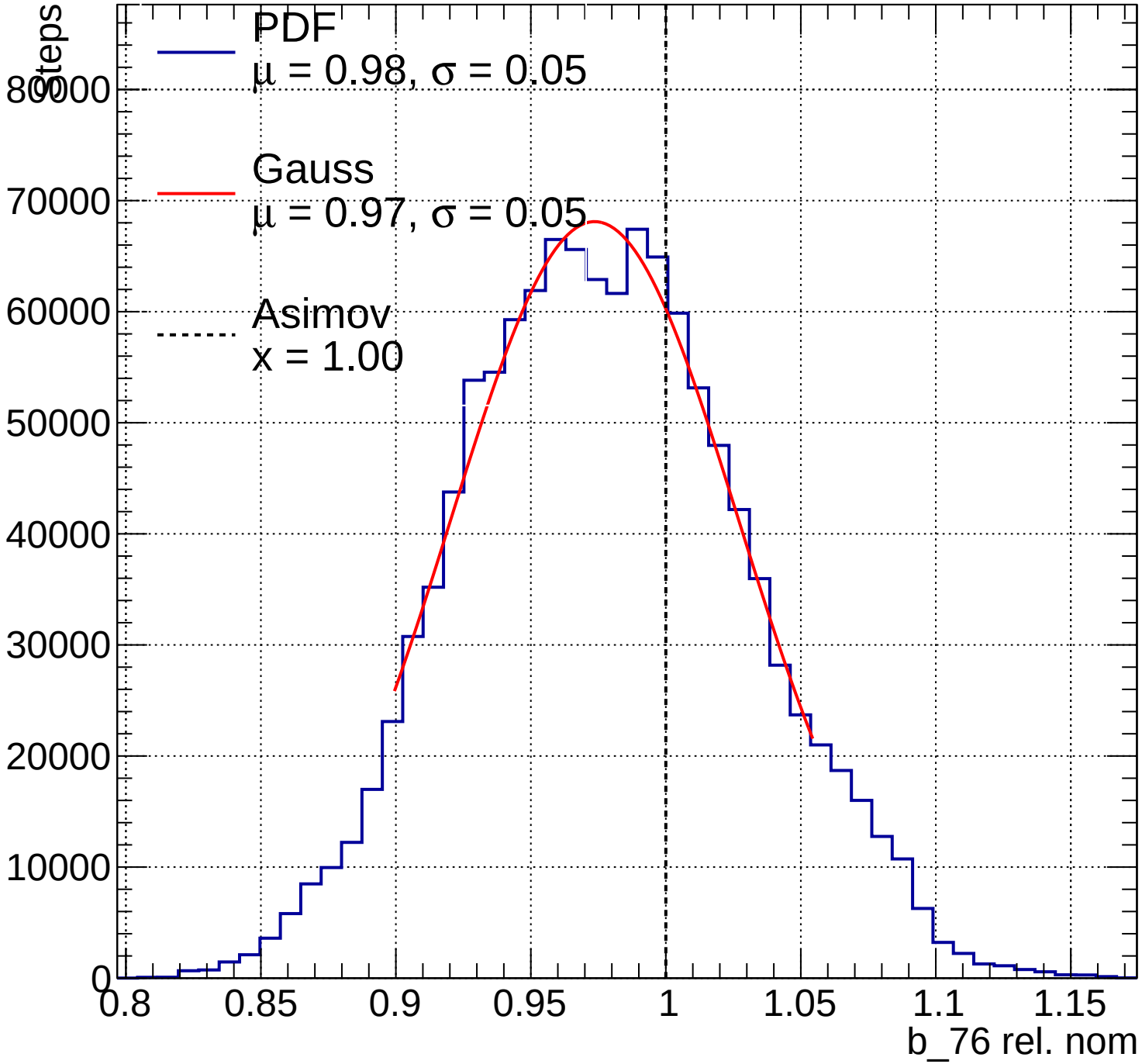

PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
Seps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
b_71 rel. nom

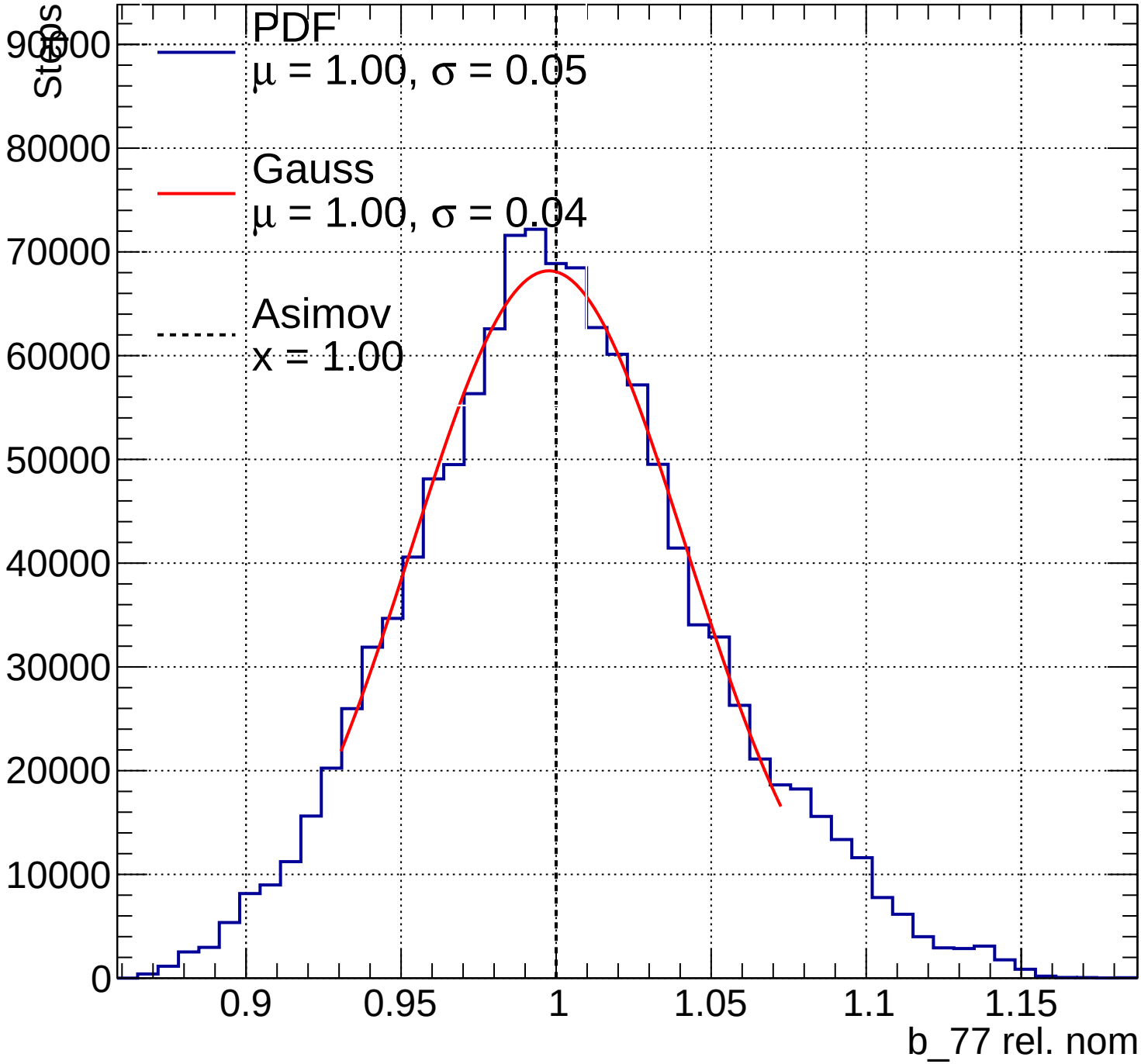

×10^3
Steps
PDF
μ = 1.02, σ = 0.06
Gauss
μ = 1.02, σ = 0.06
Asimov
x = 1.00
0
20
40
60
80
100
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
b_72 rel. nom

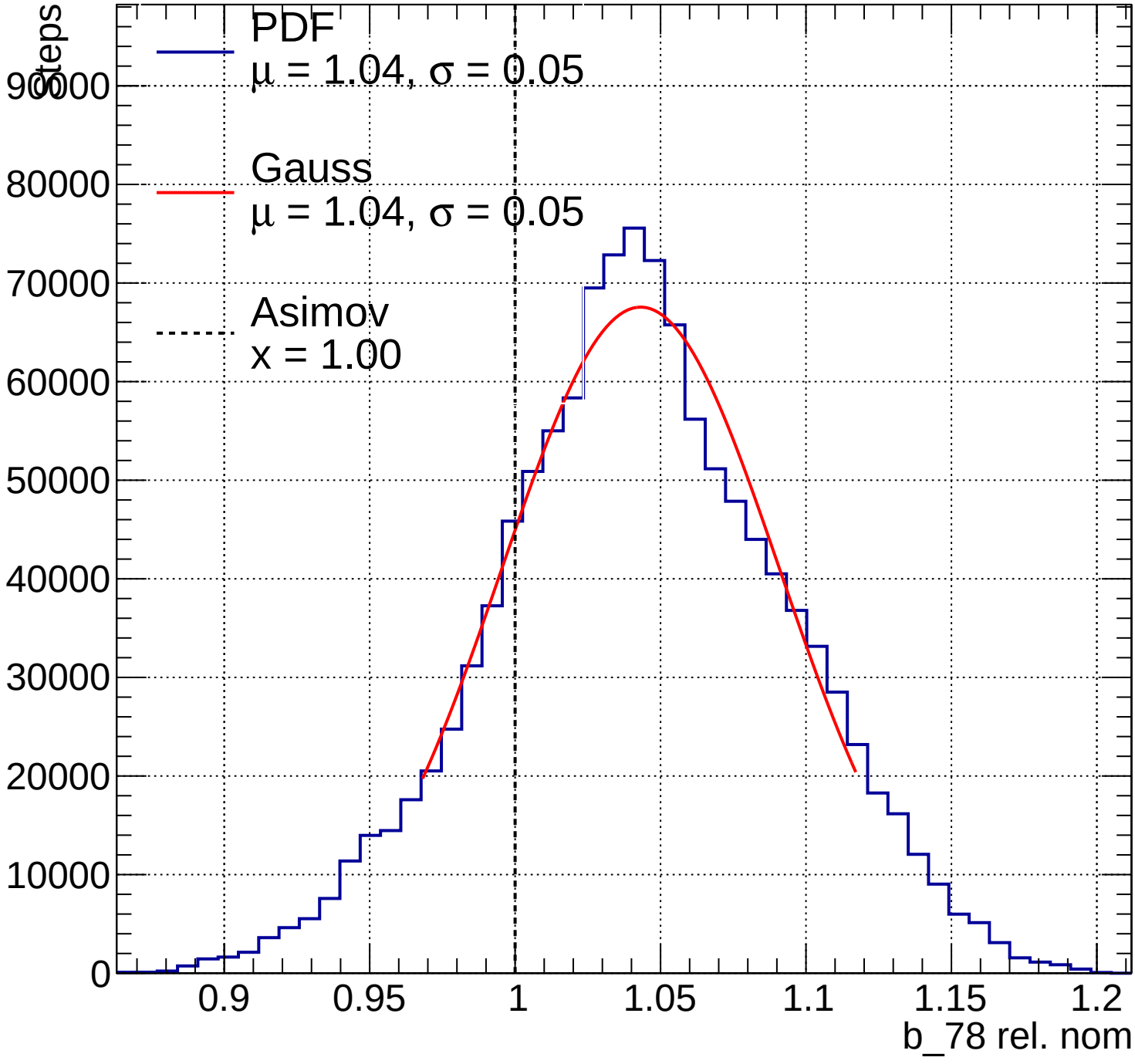

PDF
μ = 1.02, σ = 0.06
Gauss
μ = 1.01, σ = 0.06
Asimov
x = 1.00
Seps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_73 rel. nom

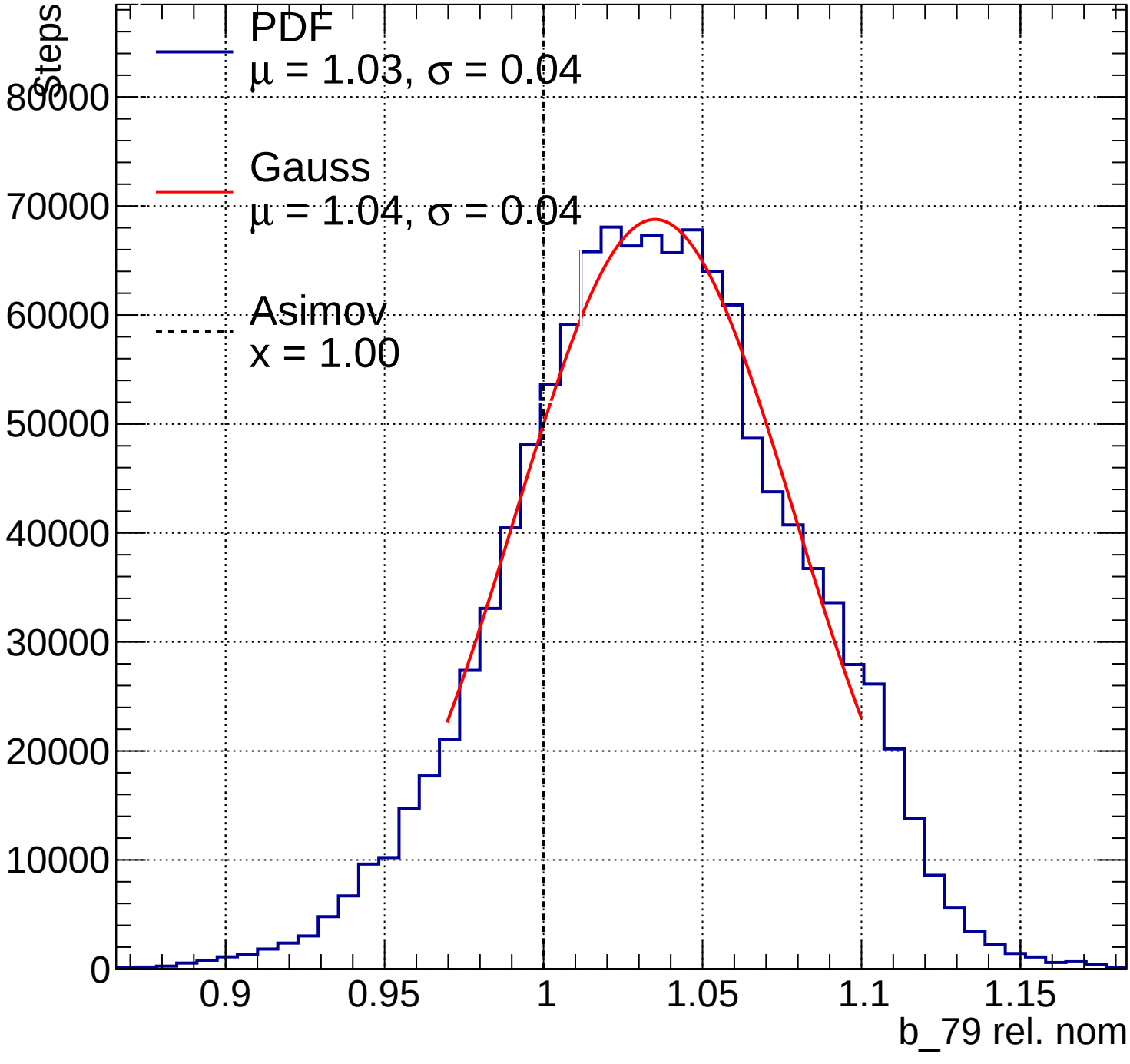

PDF
μ = 1.05, σ = 0.12
Gauss
μ = 1.05, σ = 0.12
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
b_74 rel. nom

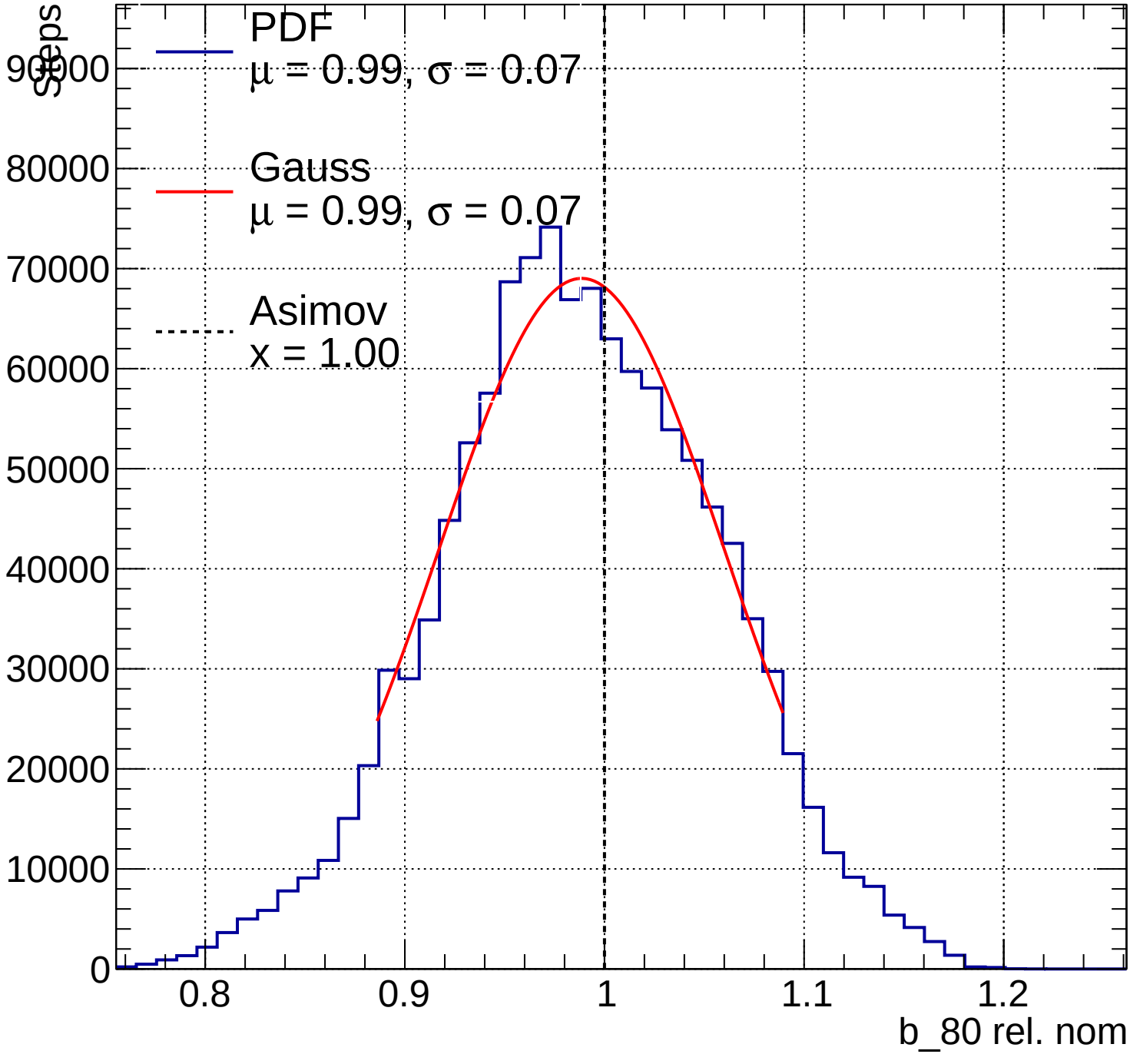

PDF
μ = 0.97, σ = 0.07
Gauss
μ = 0.97, σ = 0.07
Asimov
x = 1.00
Seps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
b_75 rel. nom

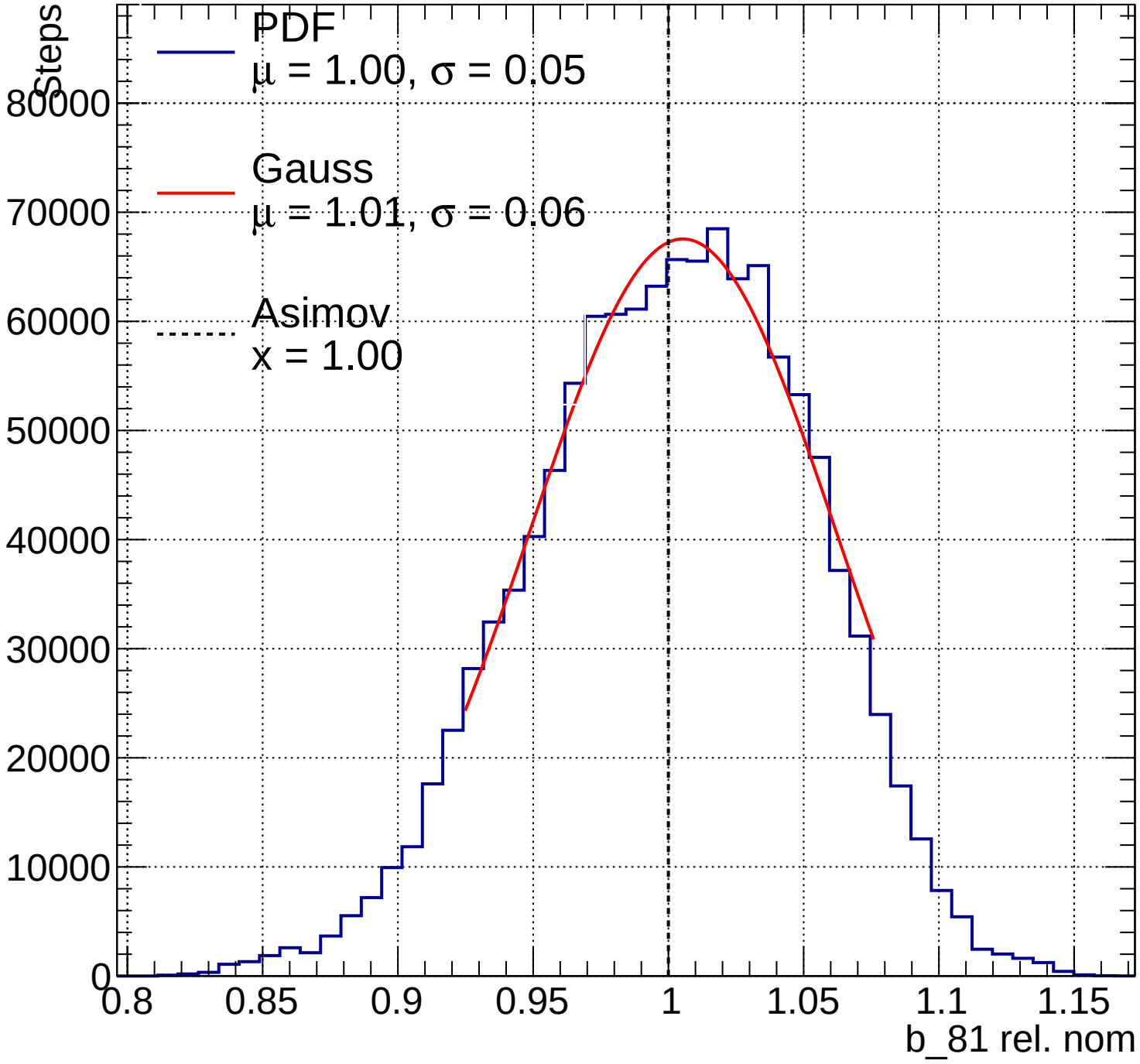

PDF
μ = 0.98, σ = 0.05
Gauss
μ = 0.97, σ = 0.05
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_76 rel. nom

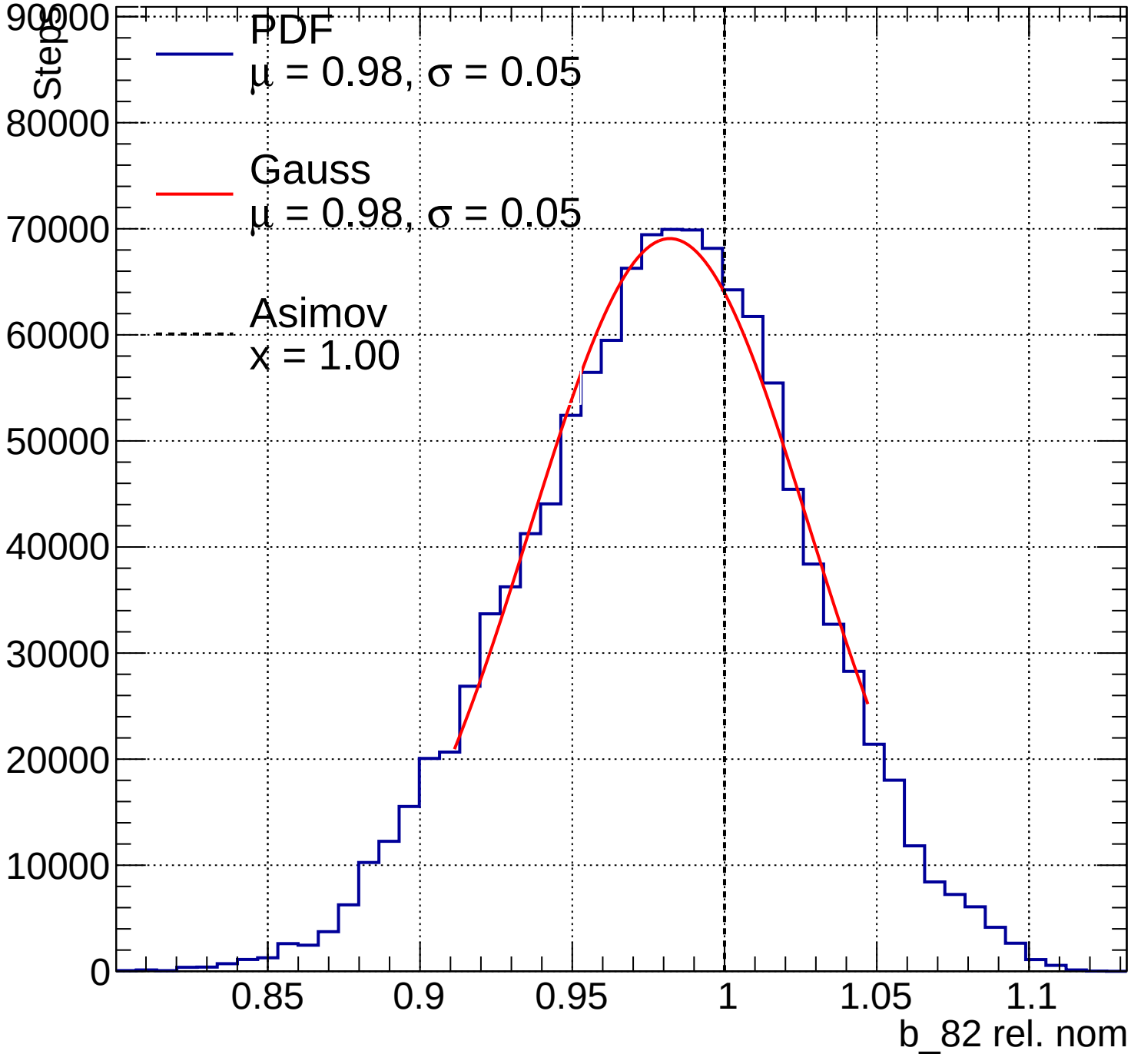

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
Stops
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_77 rel. nom

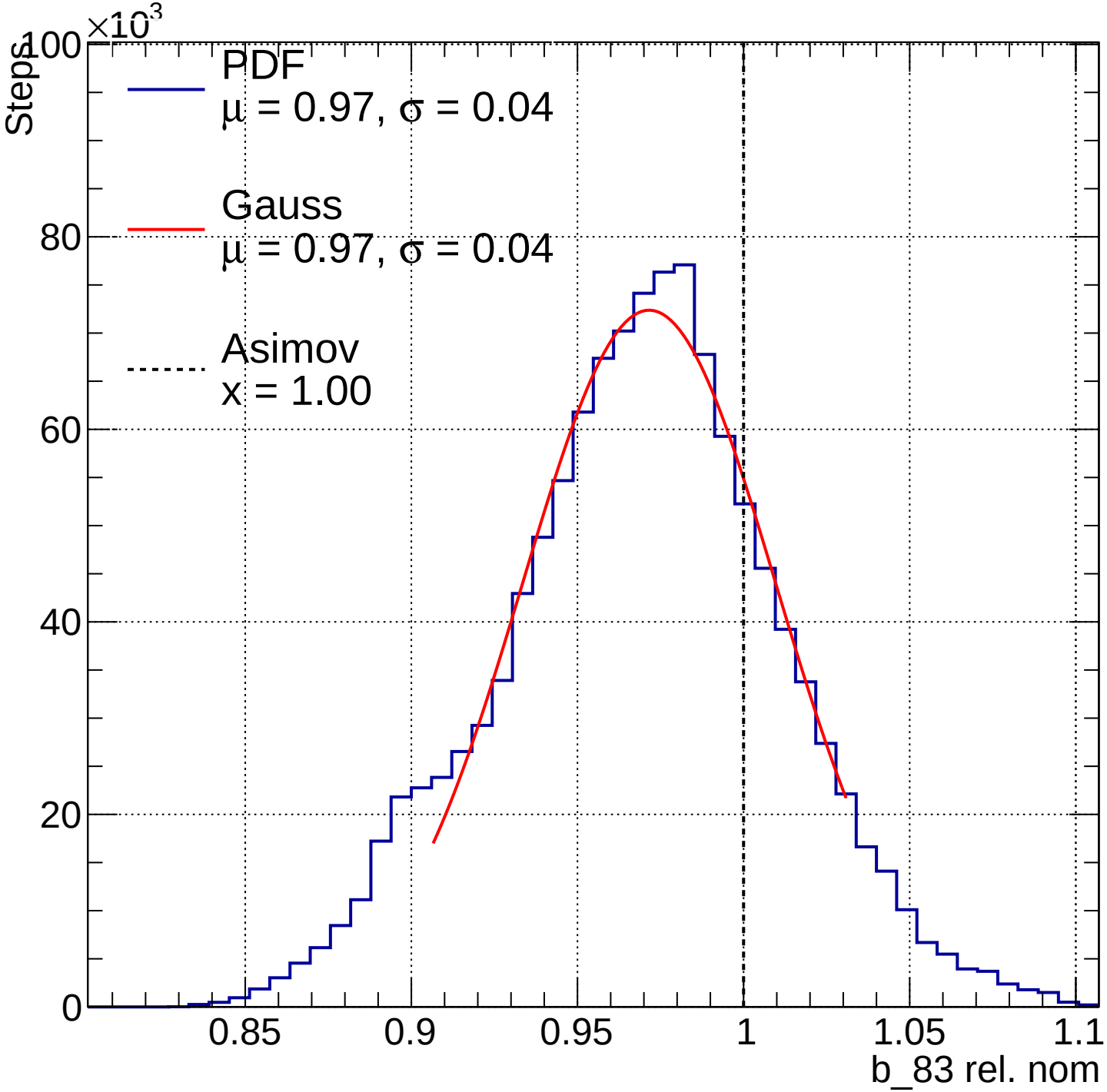

steps
PDF
μ = 1.04, σ = 0.05
Gauss
μ = 1.04, σ = 0.05
Asimov
x = 1.00
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
1.2
b_78 rel. nom

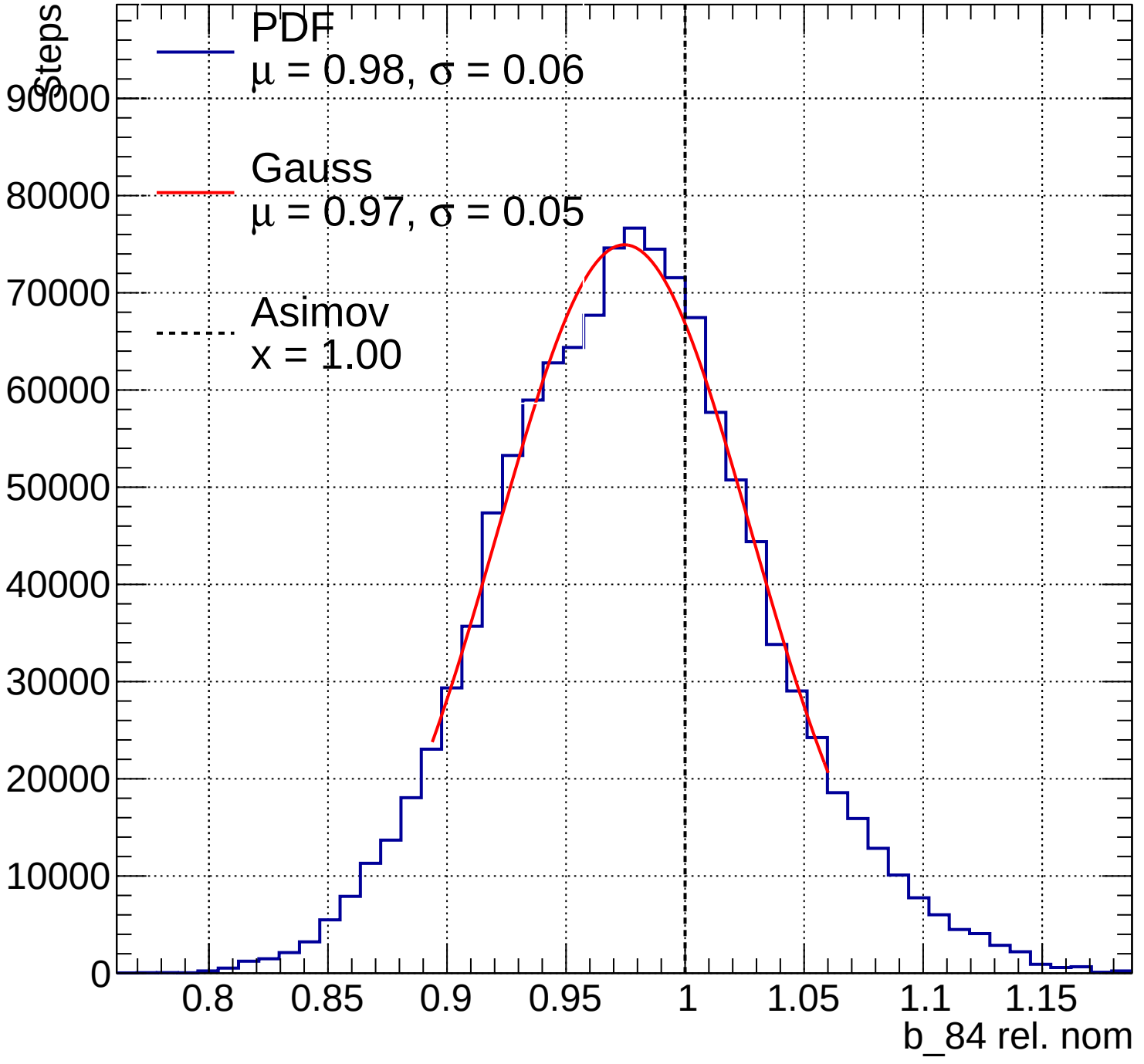

PDF
μ = 1.03, σ = 0.04
Gauss
μ = 1.04, σ = 0.04
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_79 rel. nom

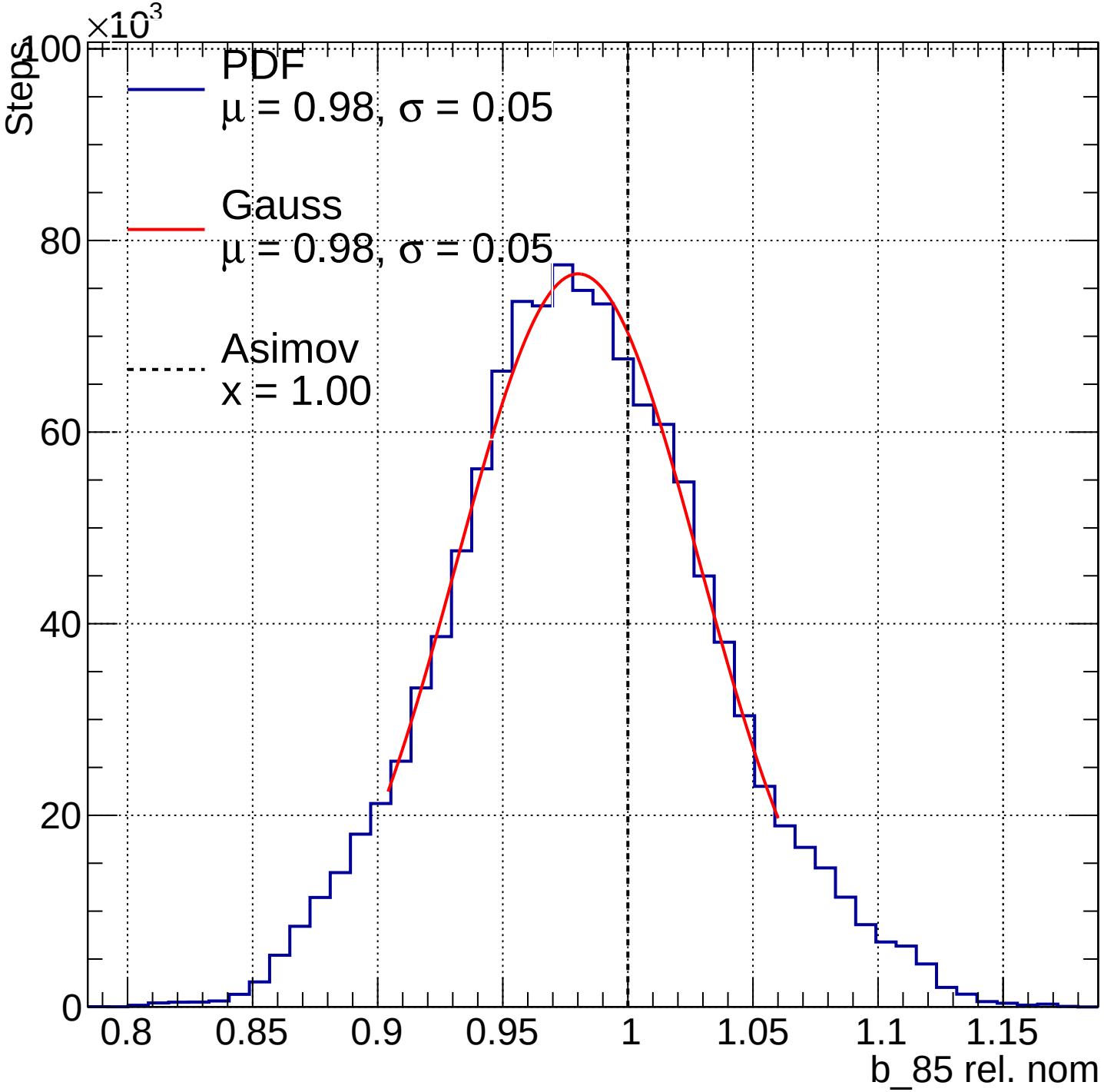

PDF
μ = 0.99, σ = 0.07
Gauss
μ = 0.99, σ = 0.07
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
b_80 rel. nom

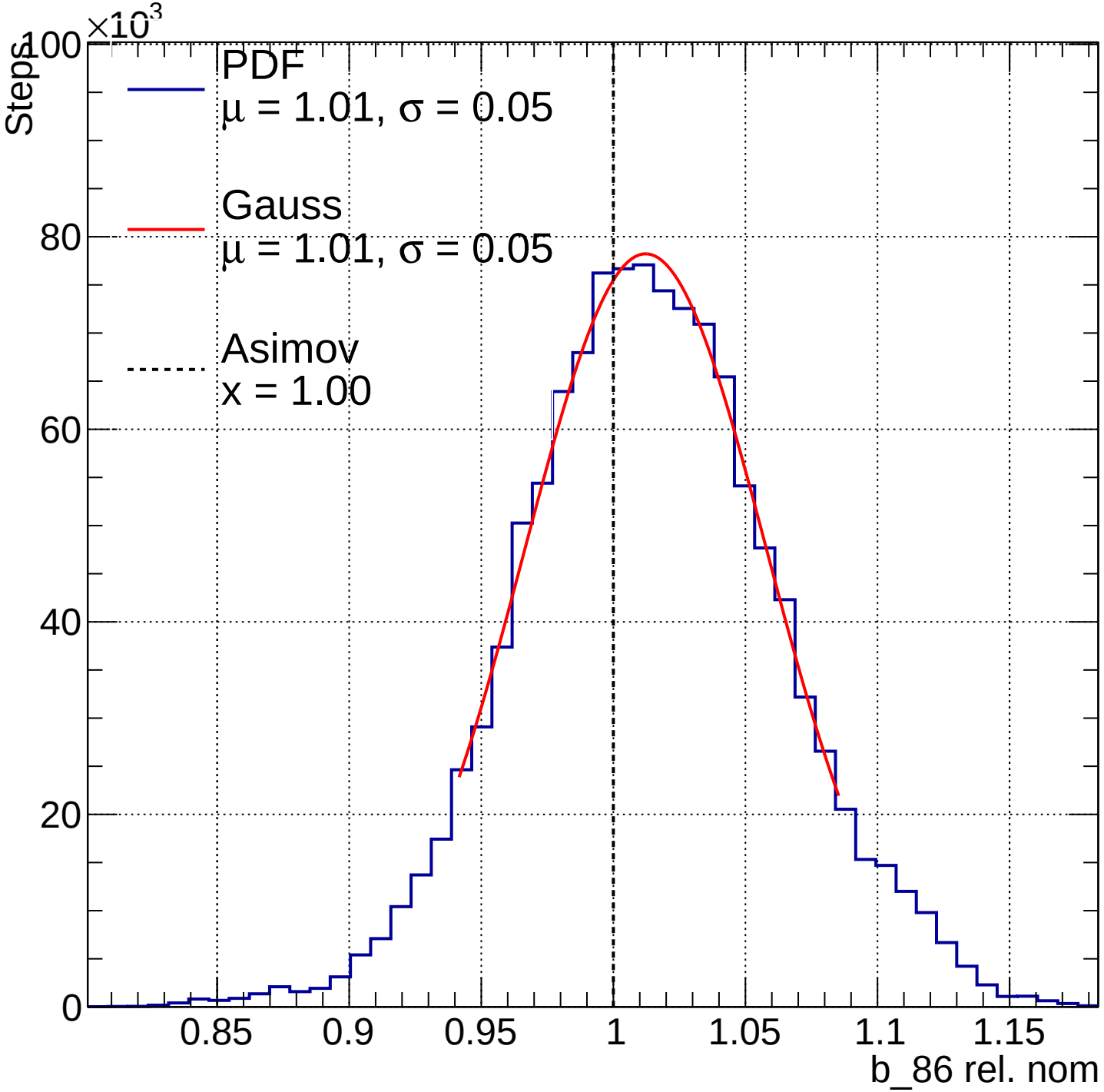

PDF
μ = 1.00, σ = 0.05
Gauss
μ = 1.01, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_81 rel. nom

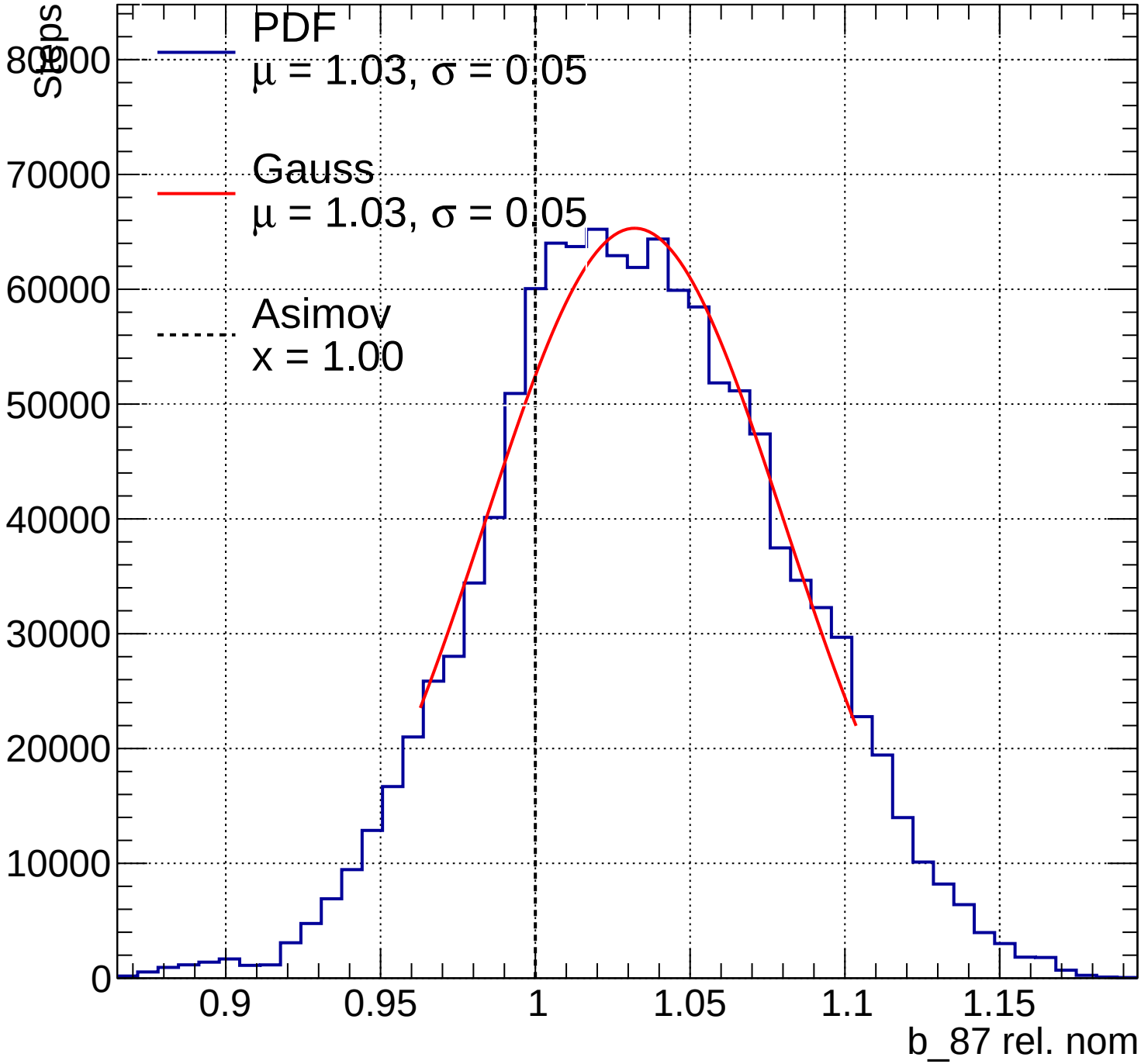

PDF
μ = 0.98, σ = 0.05
Gauss
μ = 0.98, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_82 rel. nom

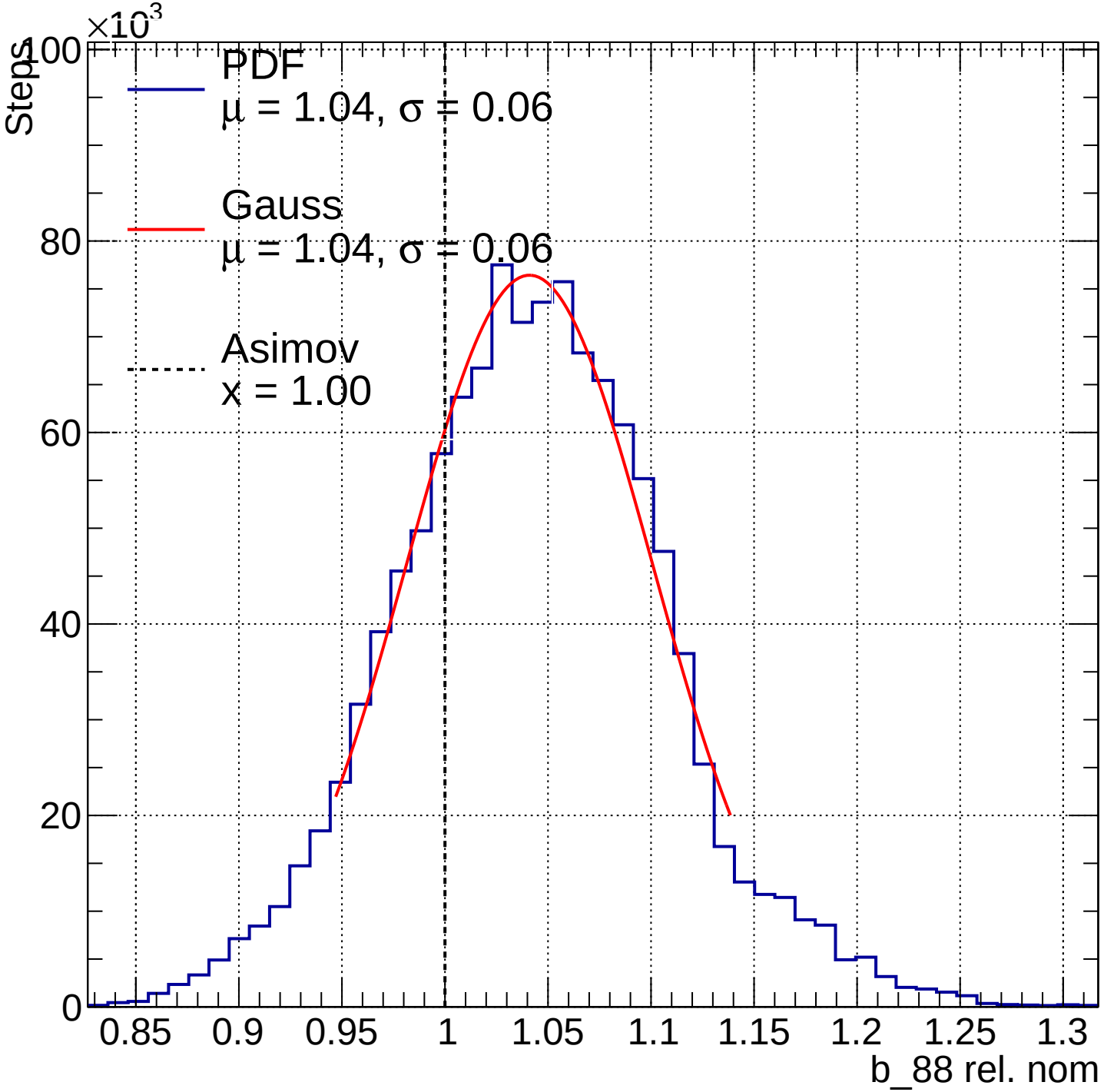

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.97, σ = 0.04
Gauss
μ = 0.97, σ = 0.04
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
b_83 rel. nom

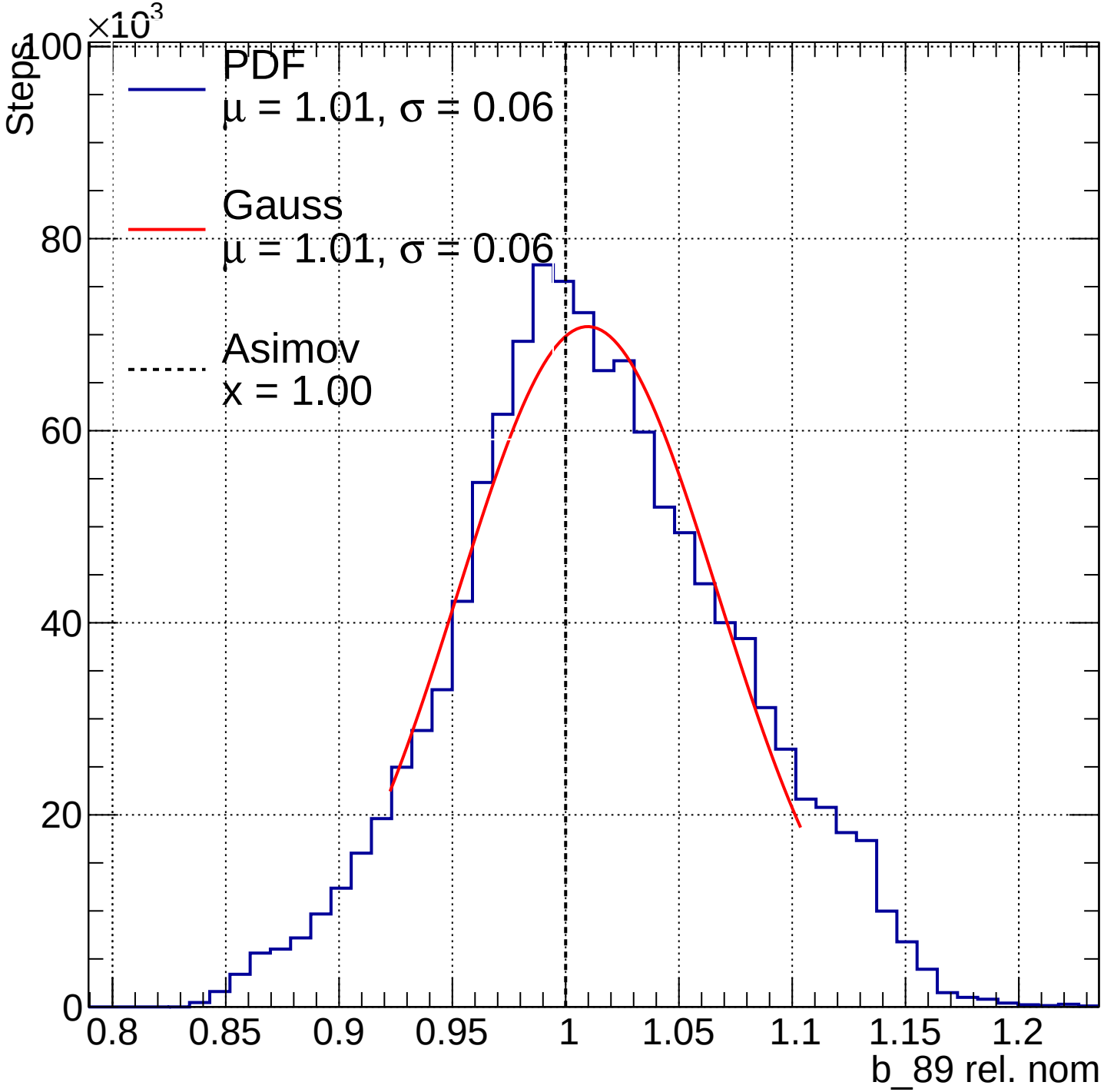

PDF
μ = 0.98, σ = 0.06
Gauss
μ = 0.97, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_84 rel. nom

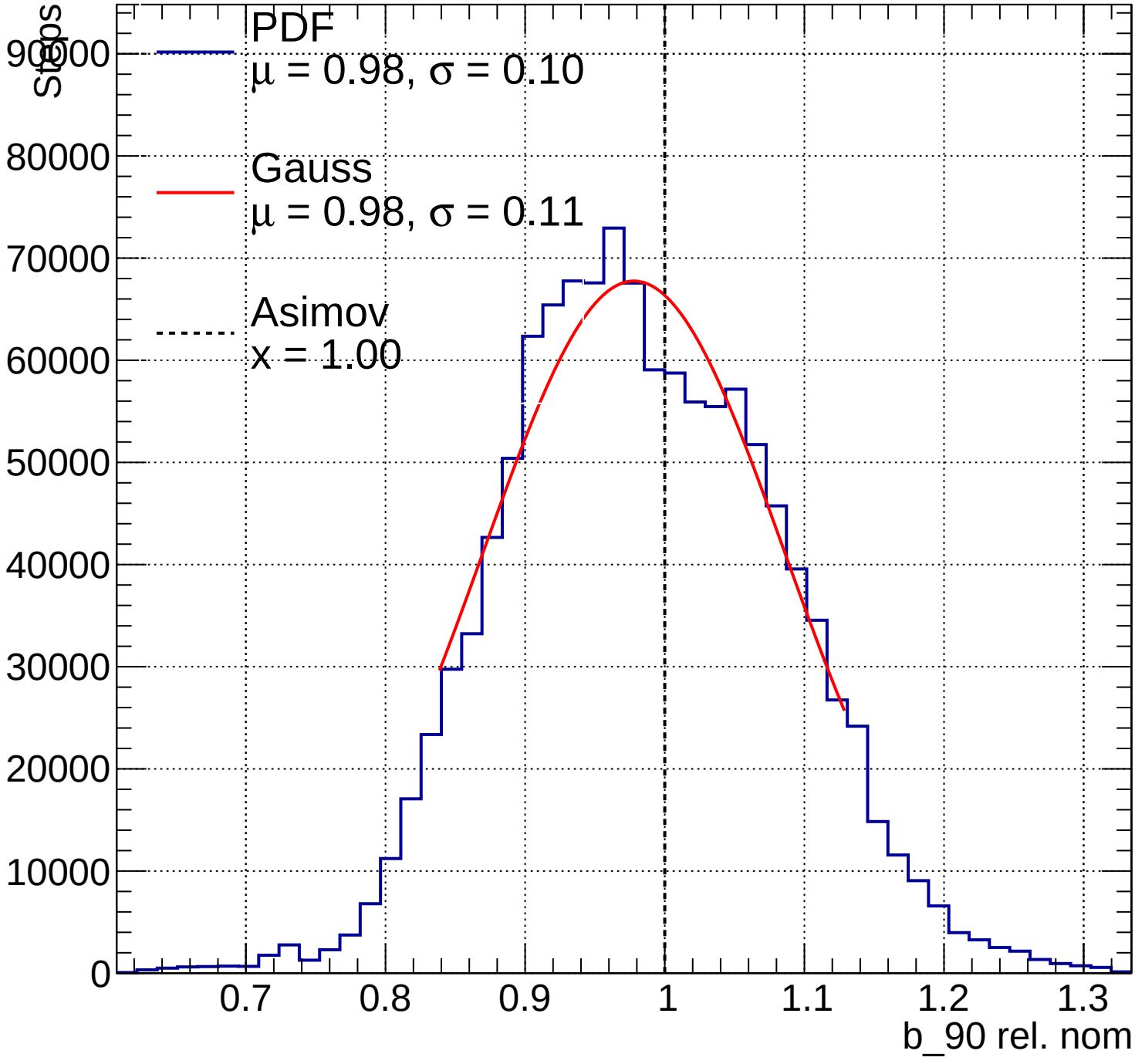

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.98, σ = 0.05
Gauss
μ = 0.98, σ = 0.05
Asimov
x = 1.00
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_85 rel. nom

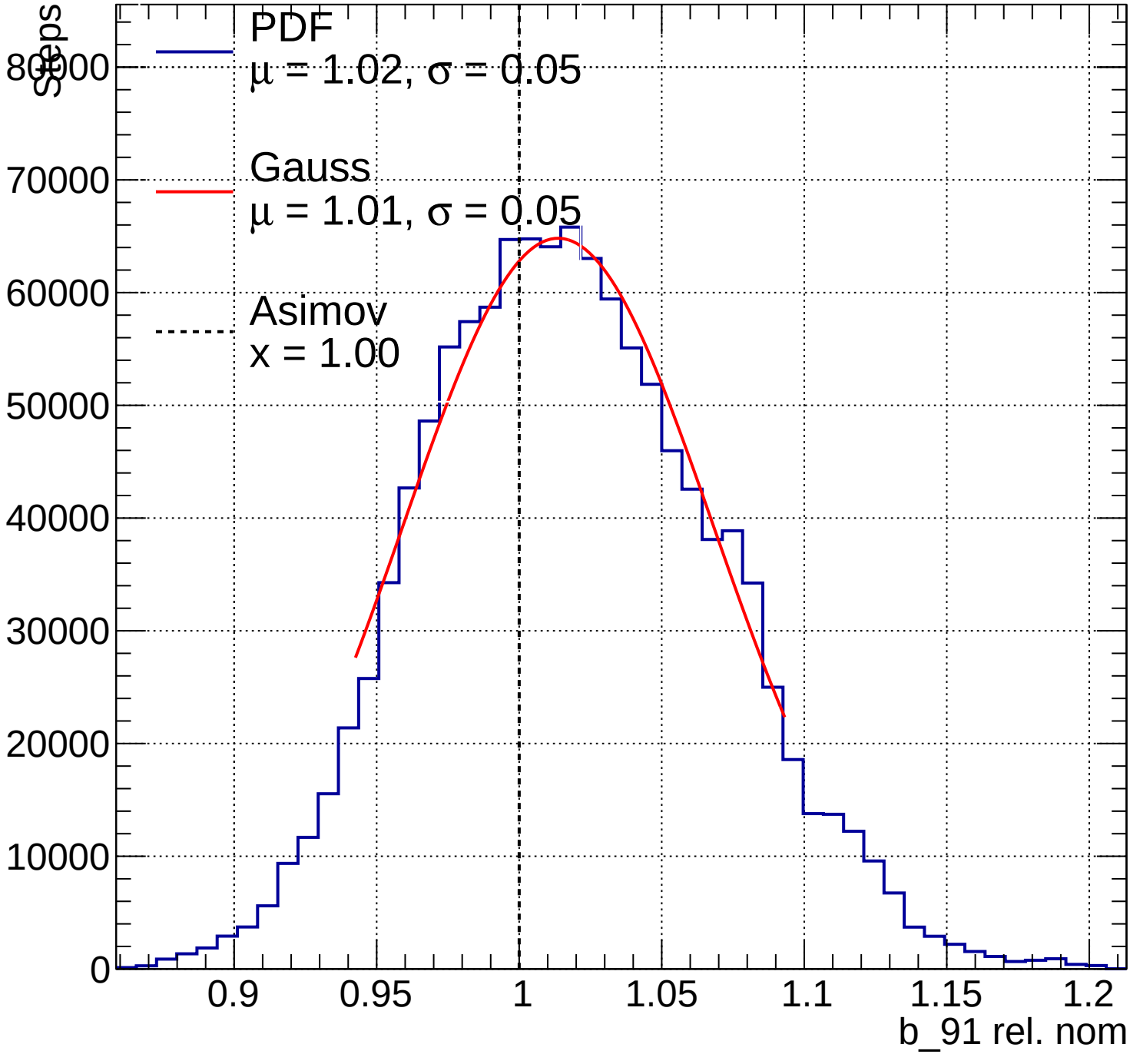

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.01, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
b_86 rel. nom

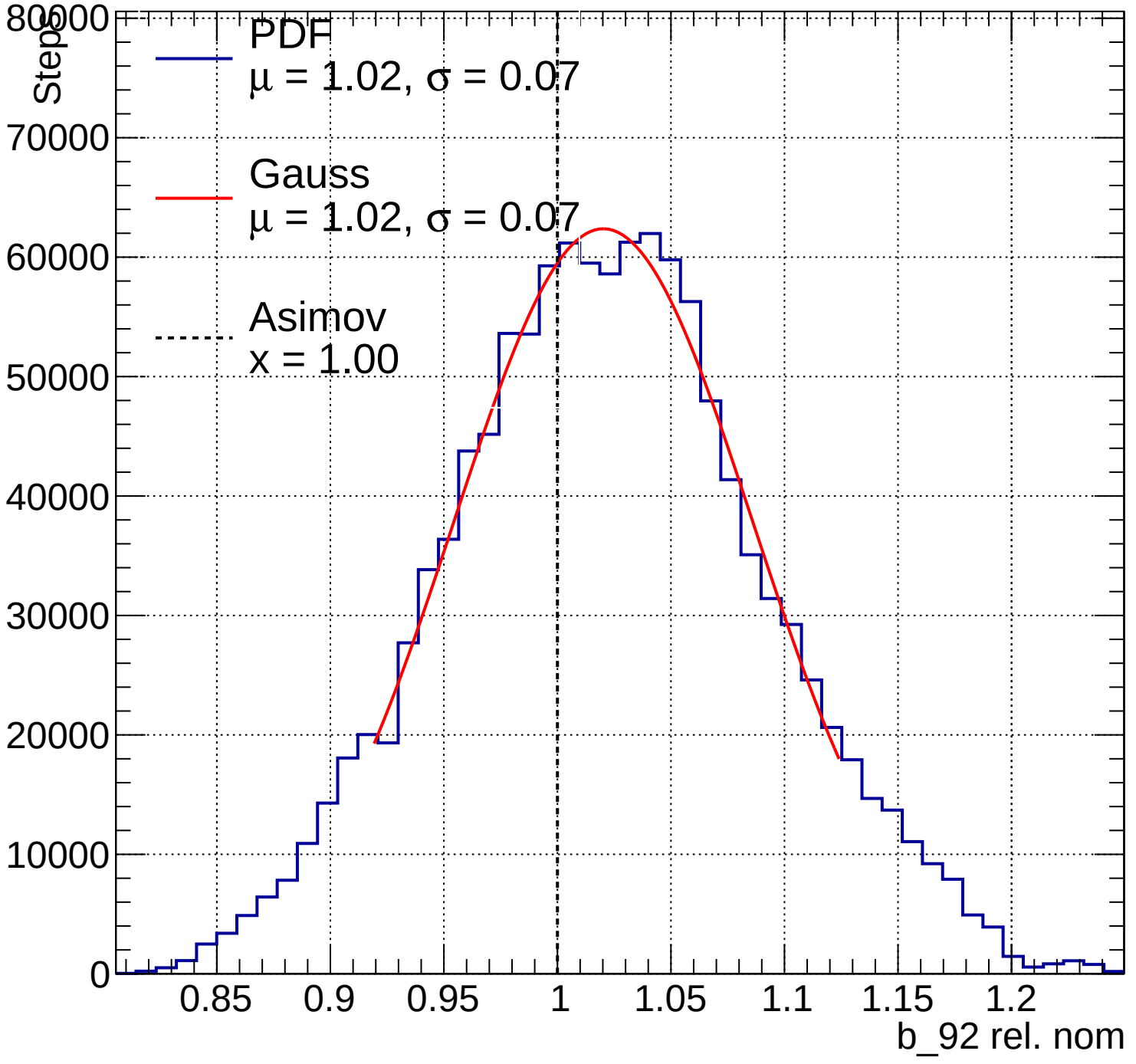

PDF
μ = 1.03, σ = 0.05
Gauss
μ = 1.03, σ = 0.05
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
b_87 rel. nom

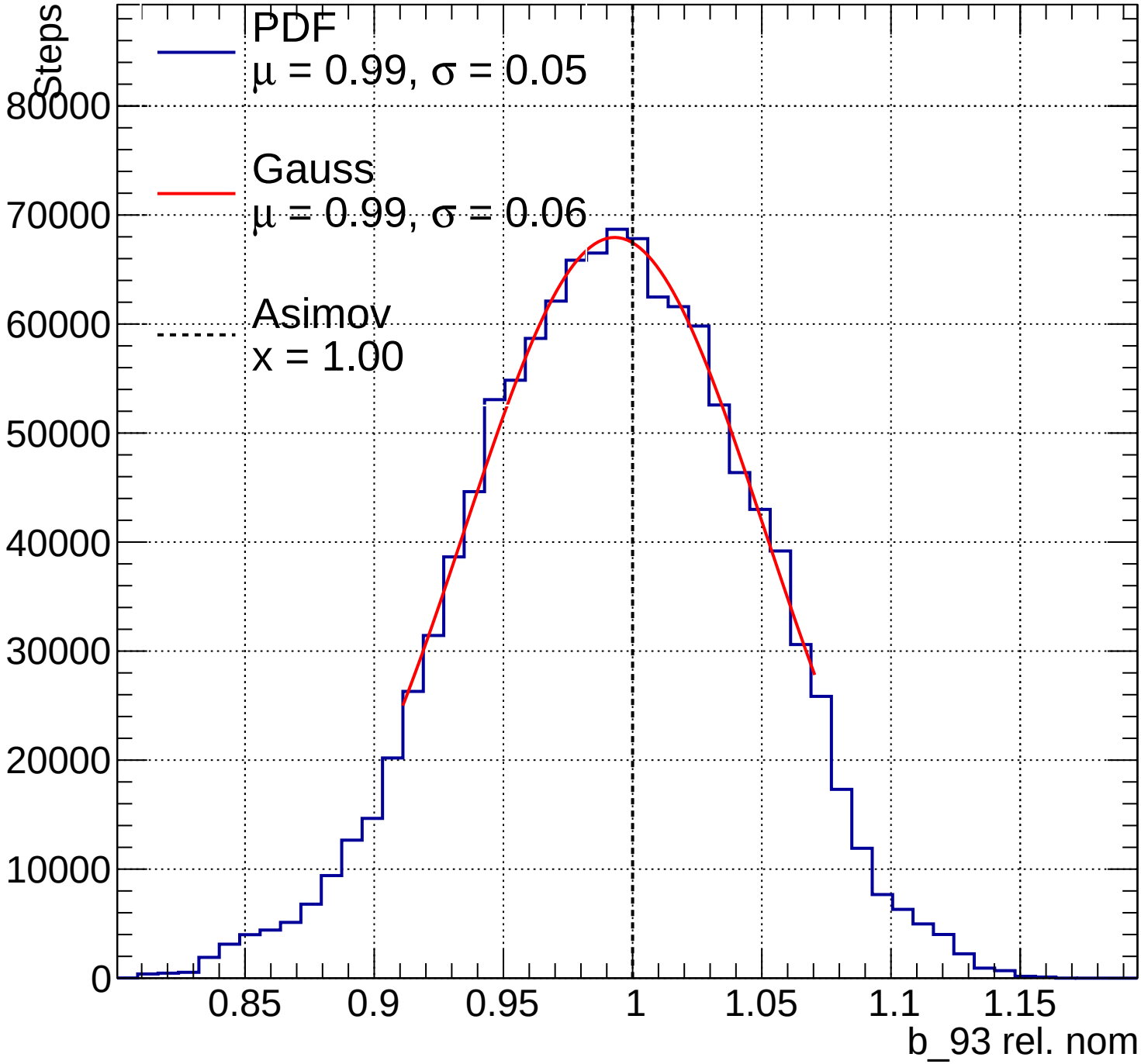

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.04, σ = 0.06
Gauss
μ = 1.04, σ = 0.06
Asimov
x = 1.00
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
1.3
b_88 rel. nom

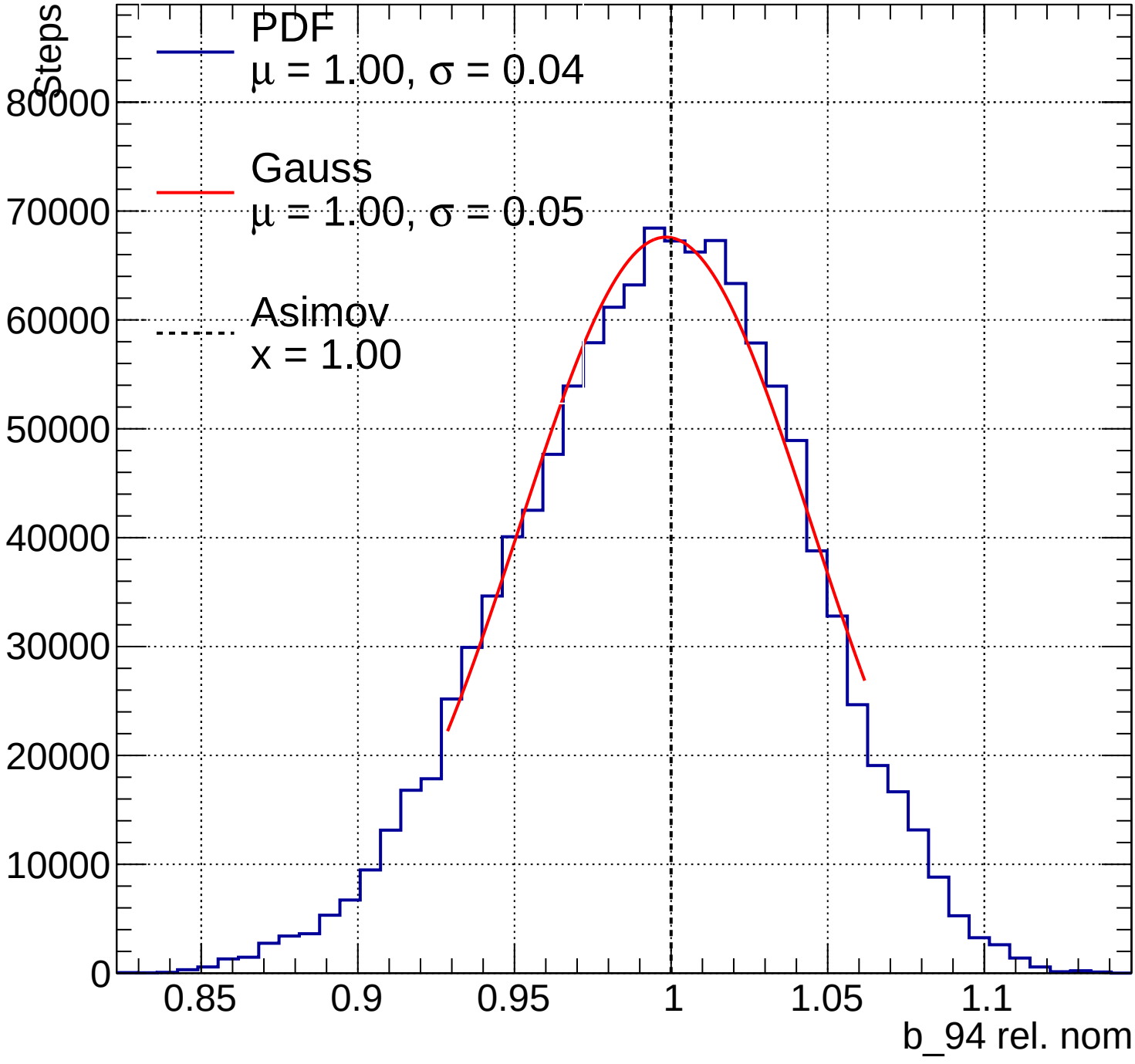

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 1.01, σ = 0.06
Gauss
μ = 1.01, σ = 0.06
Asimov
x = 1.00
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_89 rel. nom

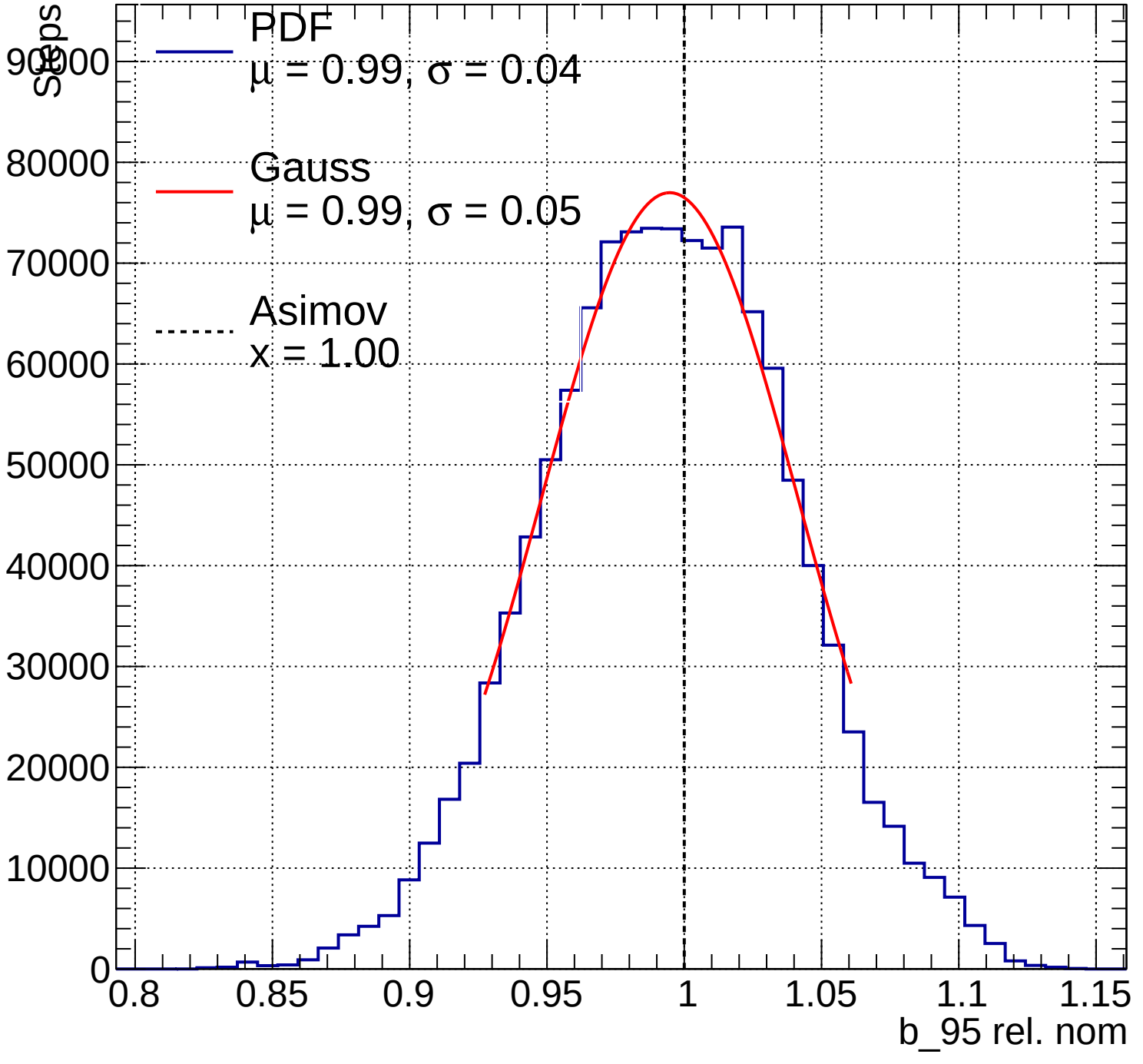

PDF
μ = 0.98, σ = 0.10
Gauss
μ = 0.98, σ = 0.11
Asimov
x = 1.00
Stops
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.7
0.8
0.9
1
1.1
1.2
1.3
b_90 rel. nom

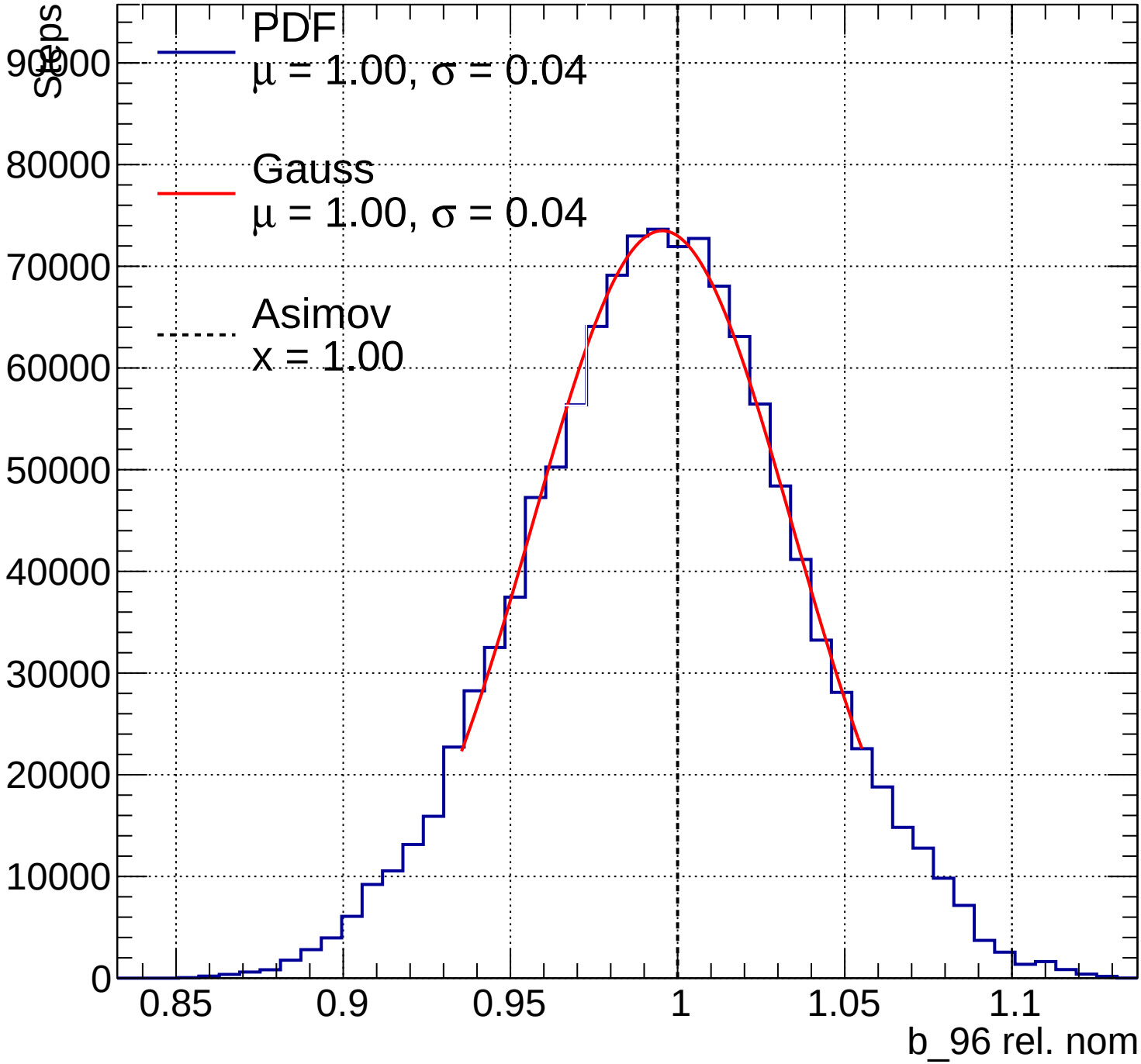

Steps
PDF
μ = 1.02, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
1.2
b_91 rel. nom

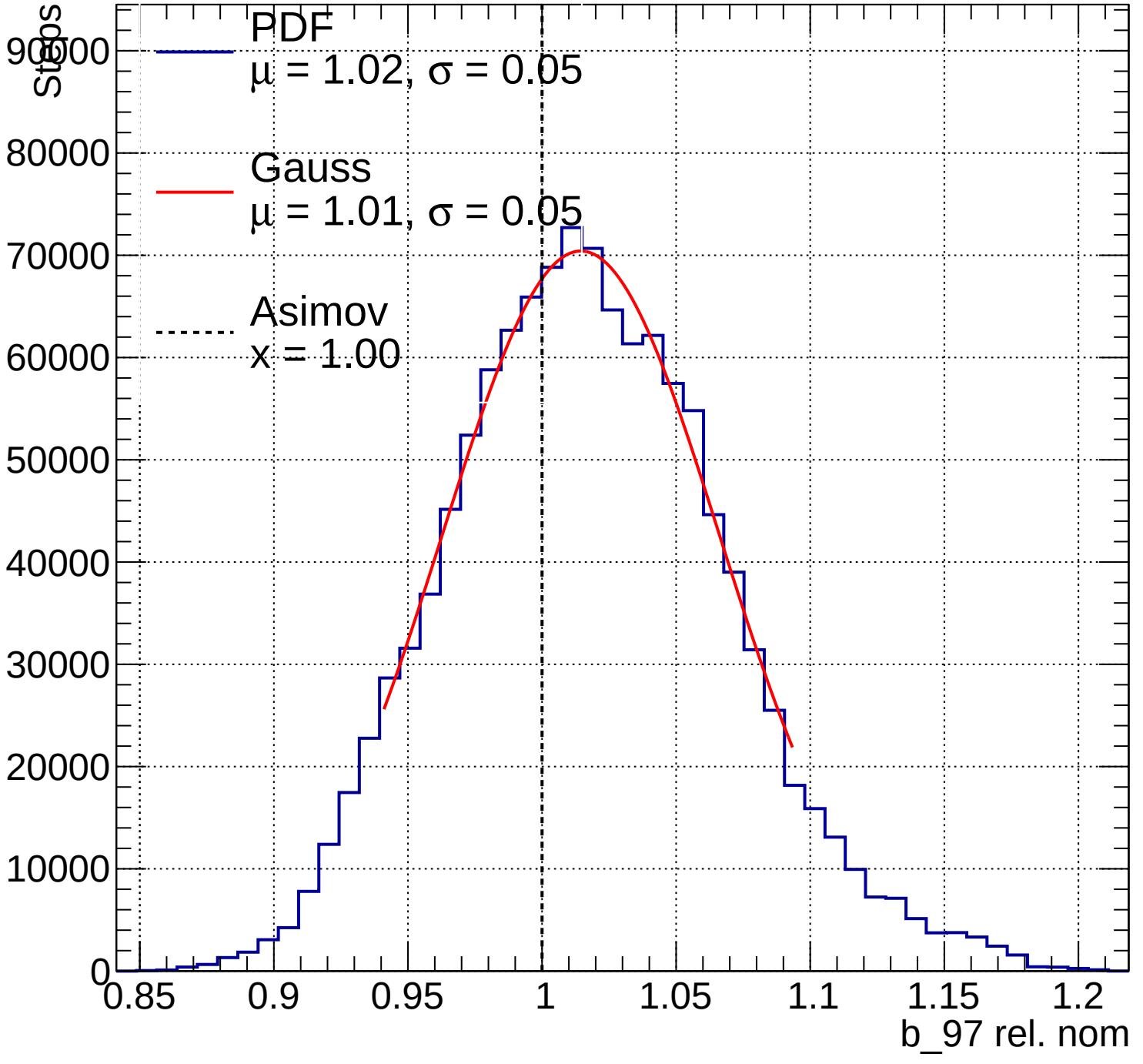

PDF
μ = 1.02, σ = 0.07
Gauss
μ = 1.02, σ = 0.07
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_92 rel. nom

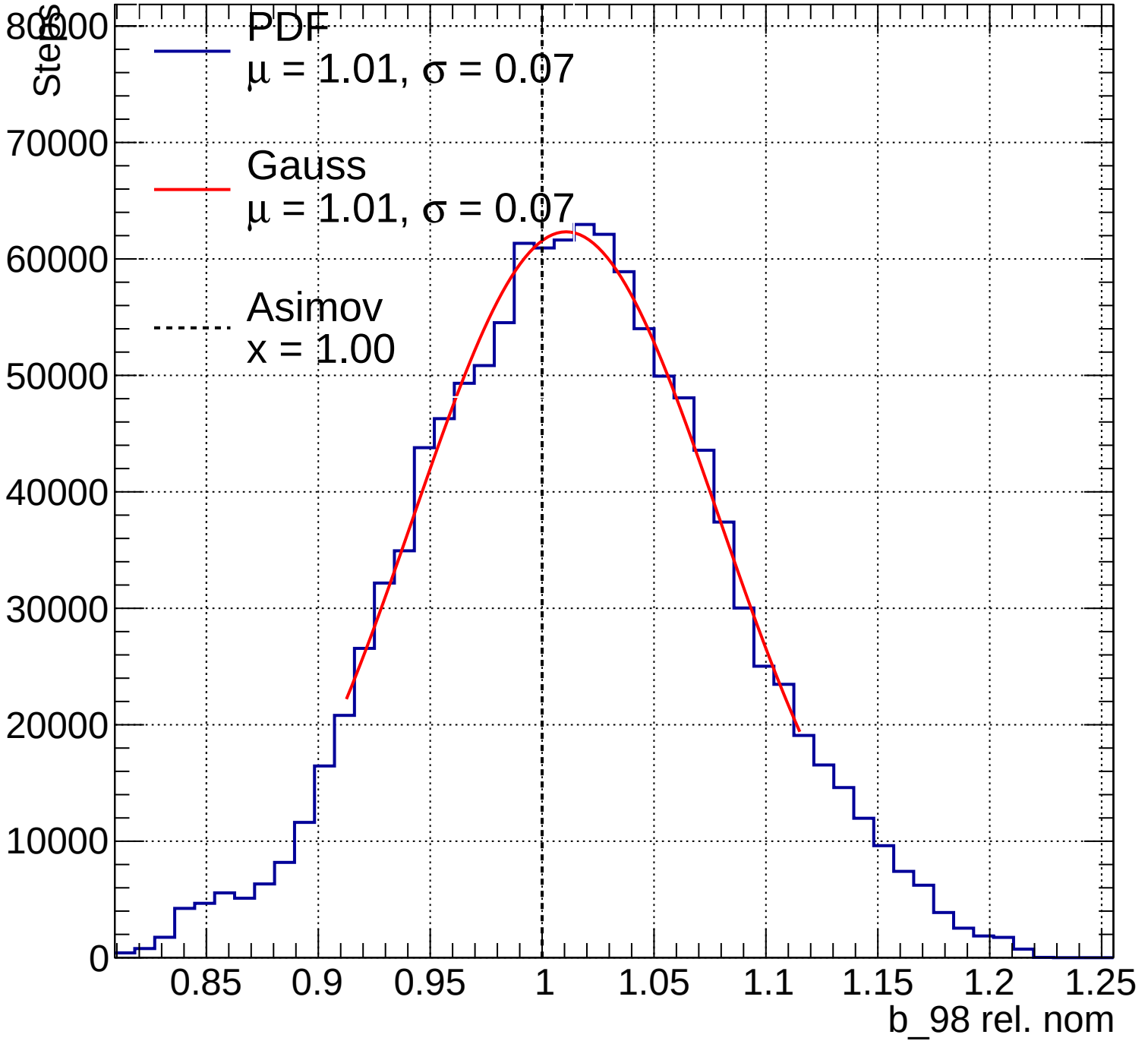

PDF
μ = 0.99, σ = 0.05
Gauss
μ = 0.99, σ = 0.06
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
b_93 rel. nom

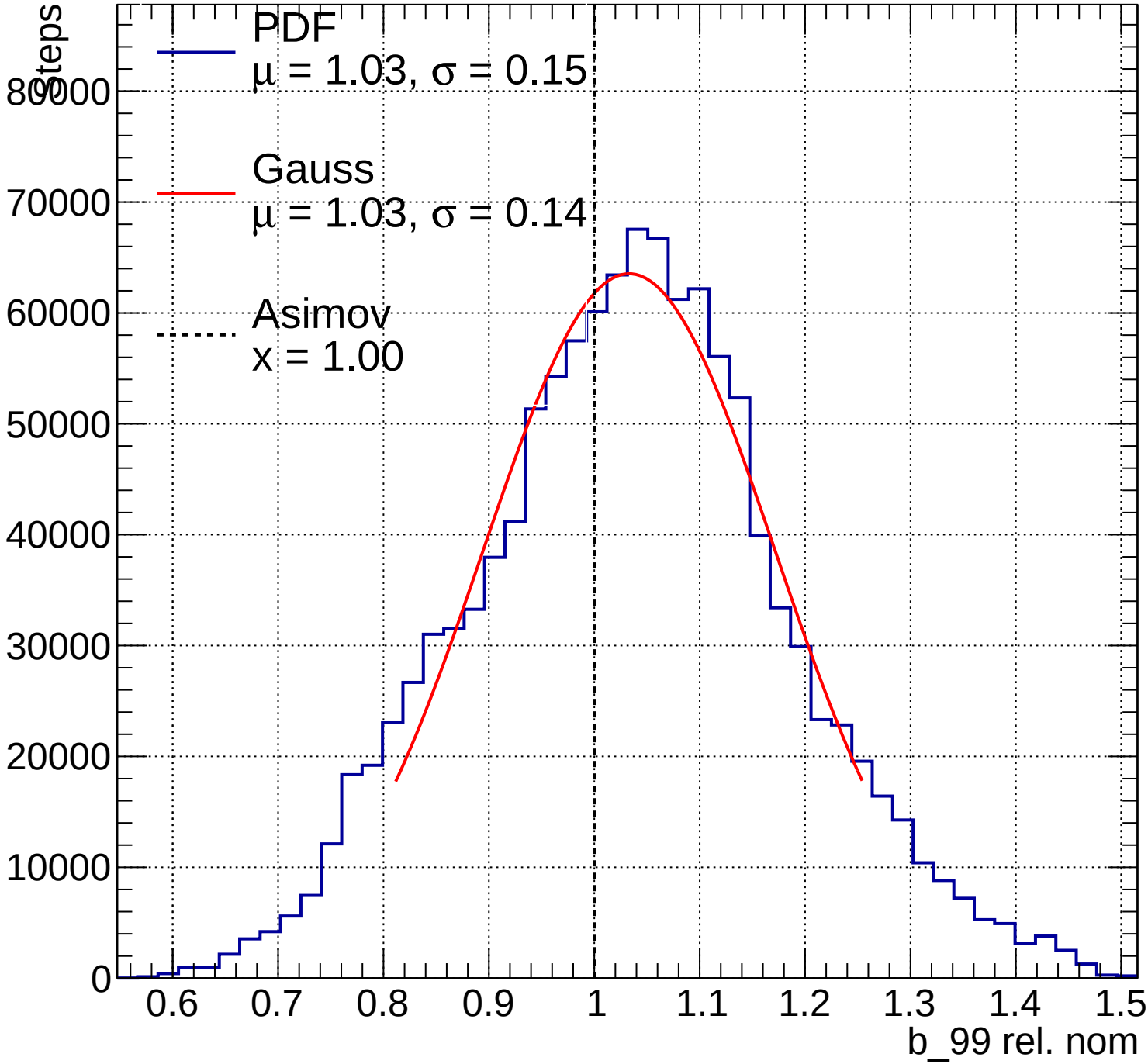

Steps
PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.05
Asimov
x = 1.00
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_94 rel. nom

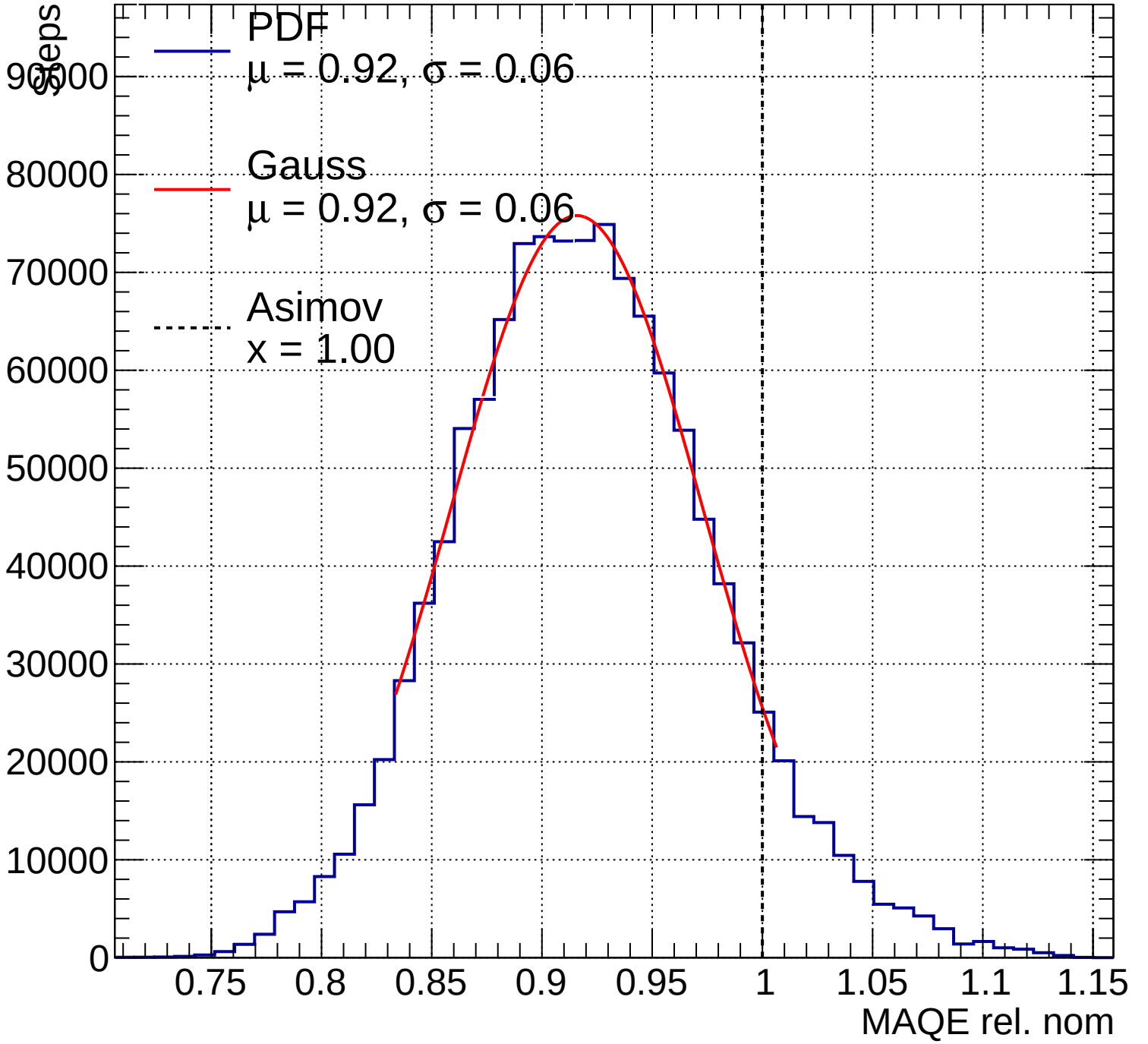

PDF
μ = 0.99, σ = 0.04
Gauss
μ = 0.99, σ = 0.05
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
b_95 rel. nom

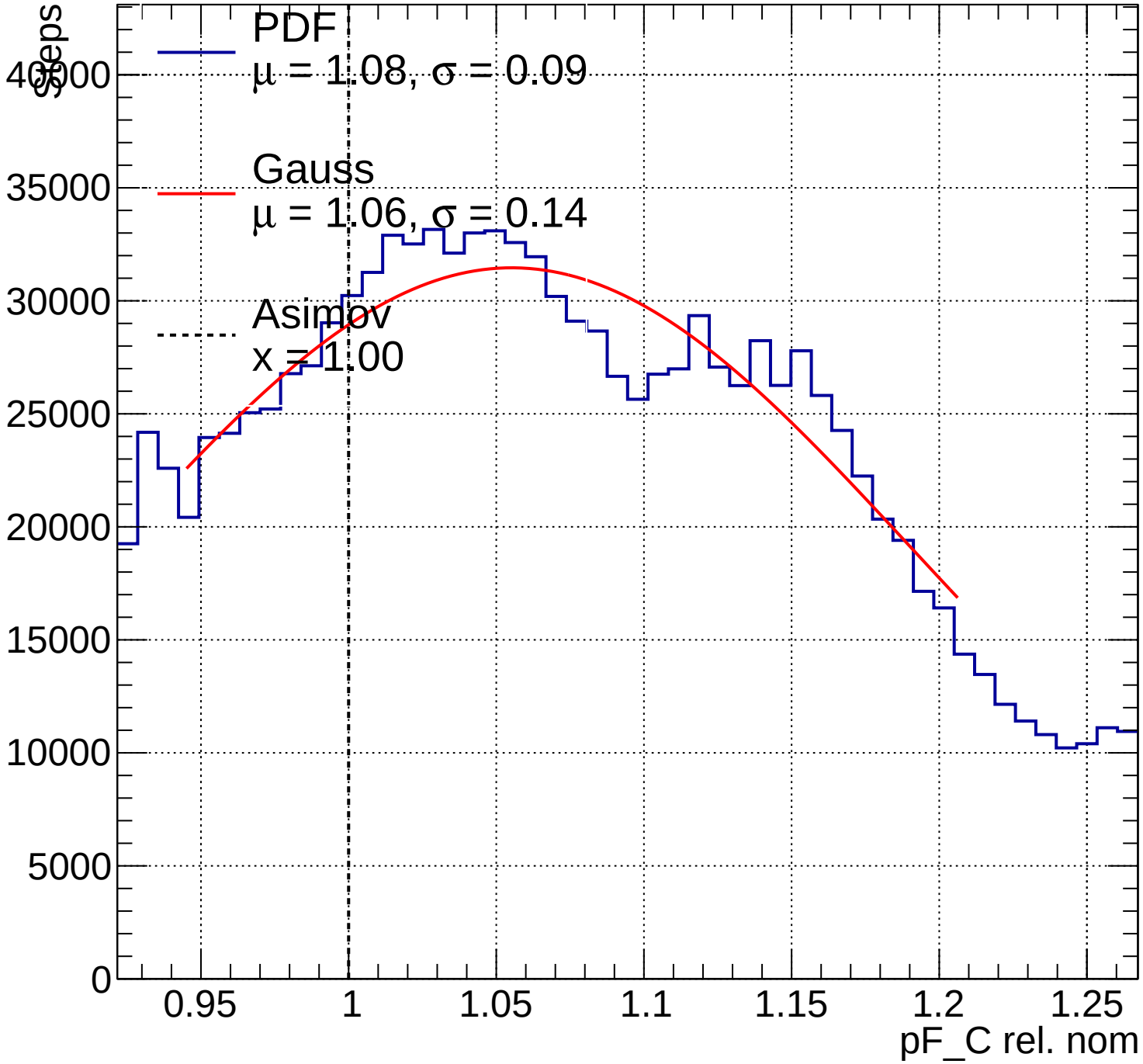

PDF
μ = 1.00, σ = 0.04
Gauss
μ = 1.00, σ = 0.04
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
b_96 rel. nom

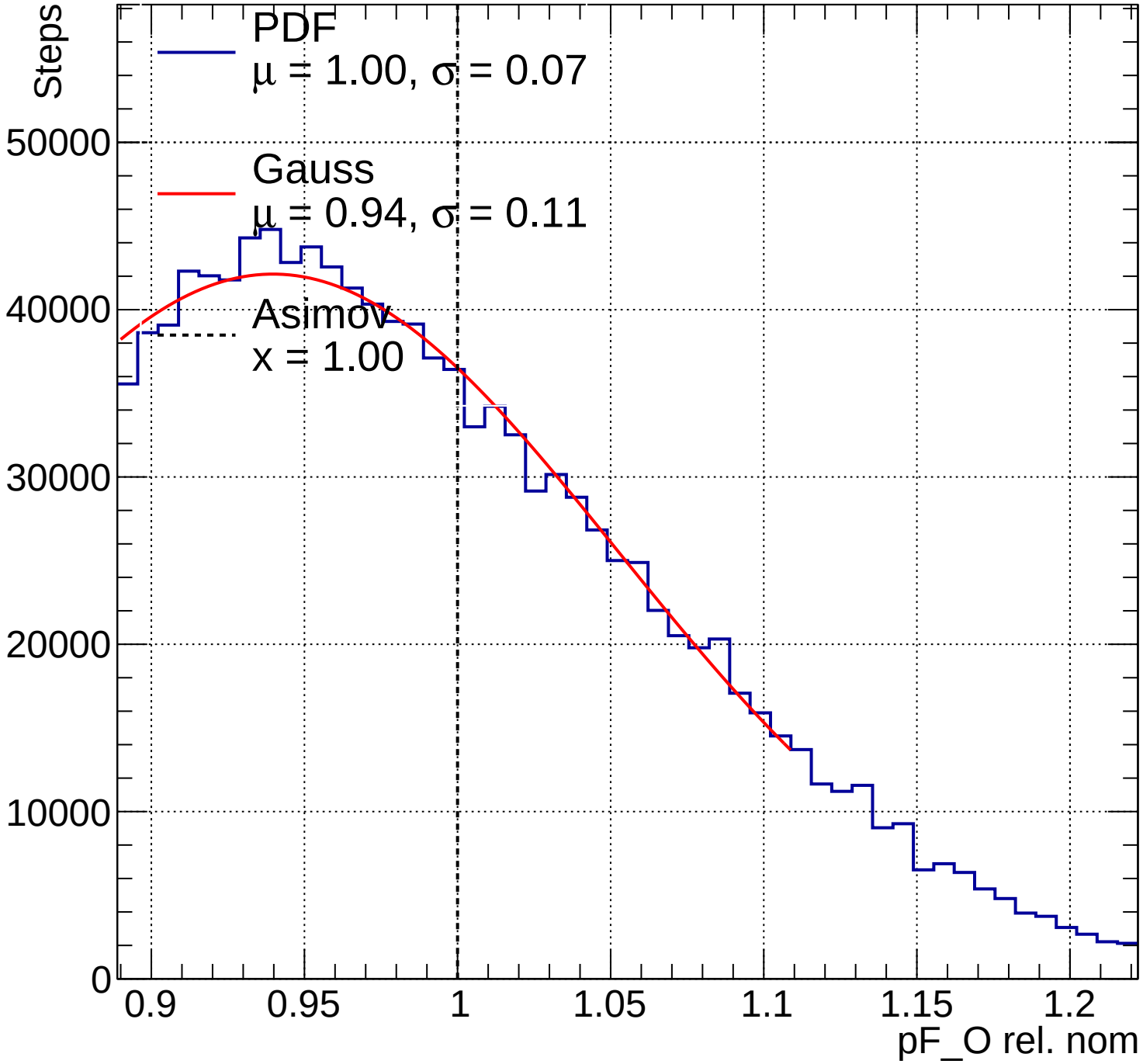

PDF
μ = 1.02, σ = 0.05
Gauss
μ = 1.01, σ = 0.05
Asimov
x = 1.00
Stops
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
b_97 rel. nom

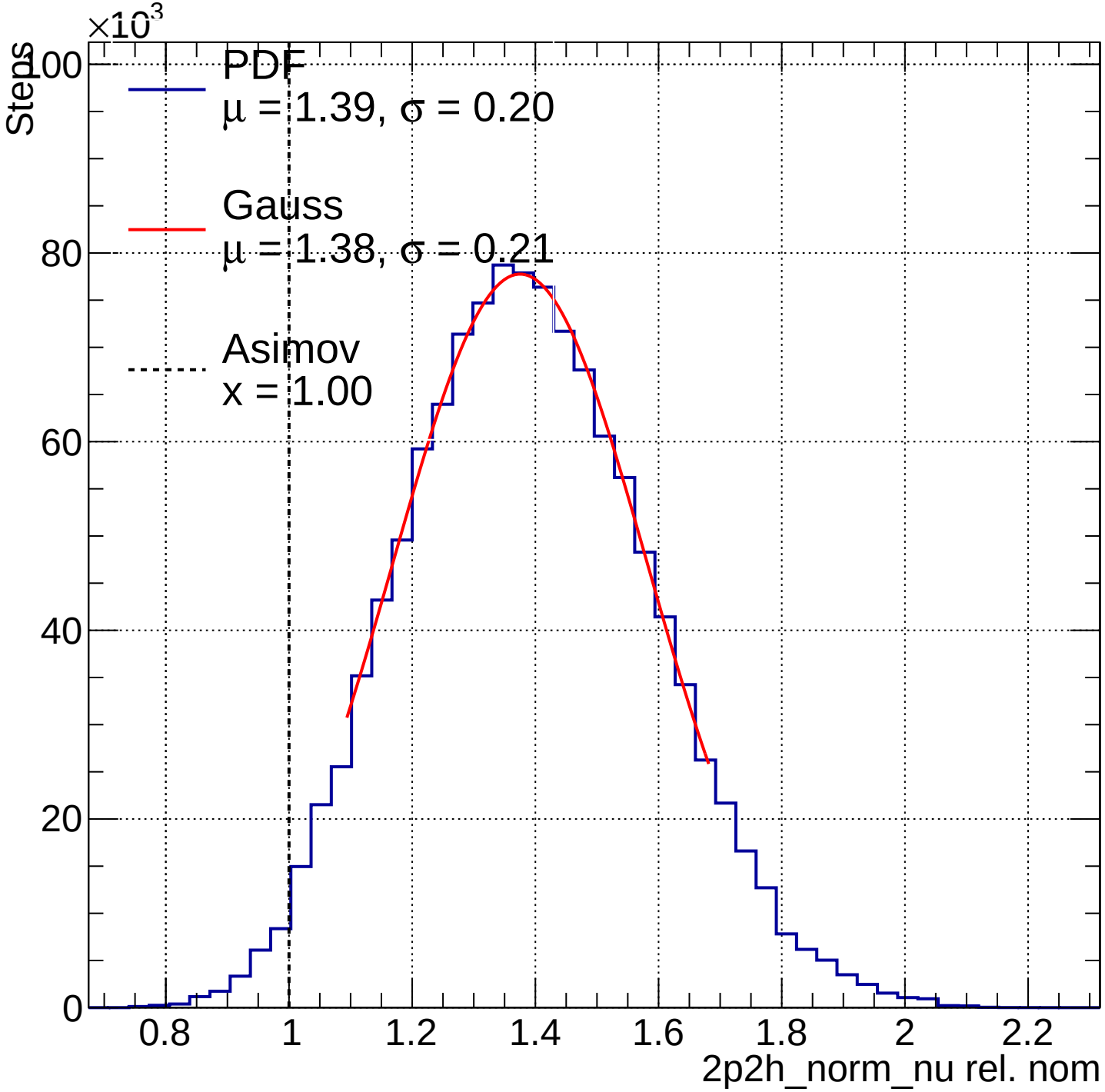

PDF
μ = 1.01, σ = 0.07
Gauss
μ = 1.01, σ = 0.07
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.85
0.9
0.95
1
1.05
1.1
1.15
1.2
1.25
b_98 rel. nom

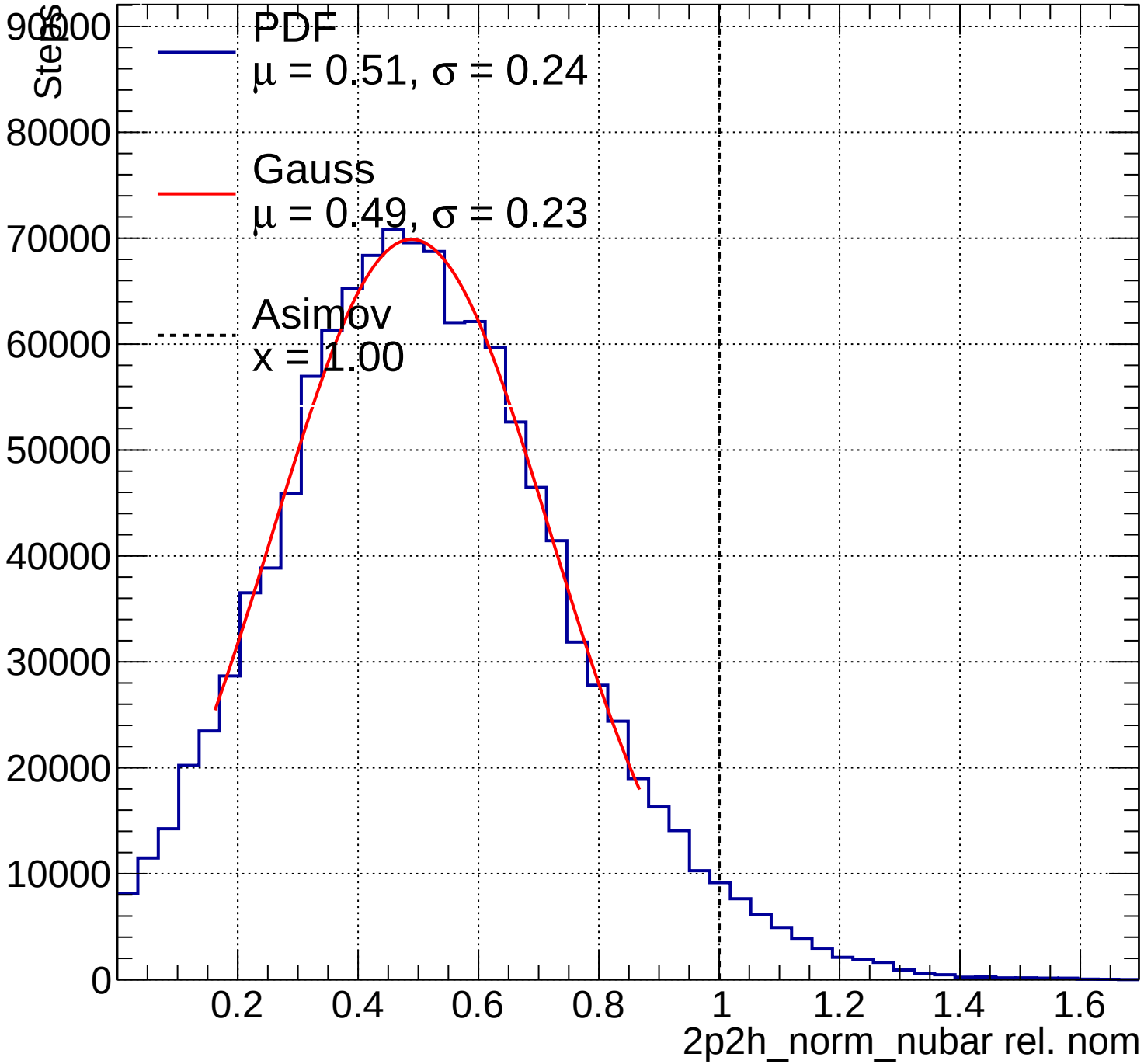

PDF
μ = 1.03, σ = 0.15
Gauss
μ = 1.03, σ = 0.14
Asimov
x = 1.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
b_99 rel. nom

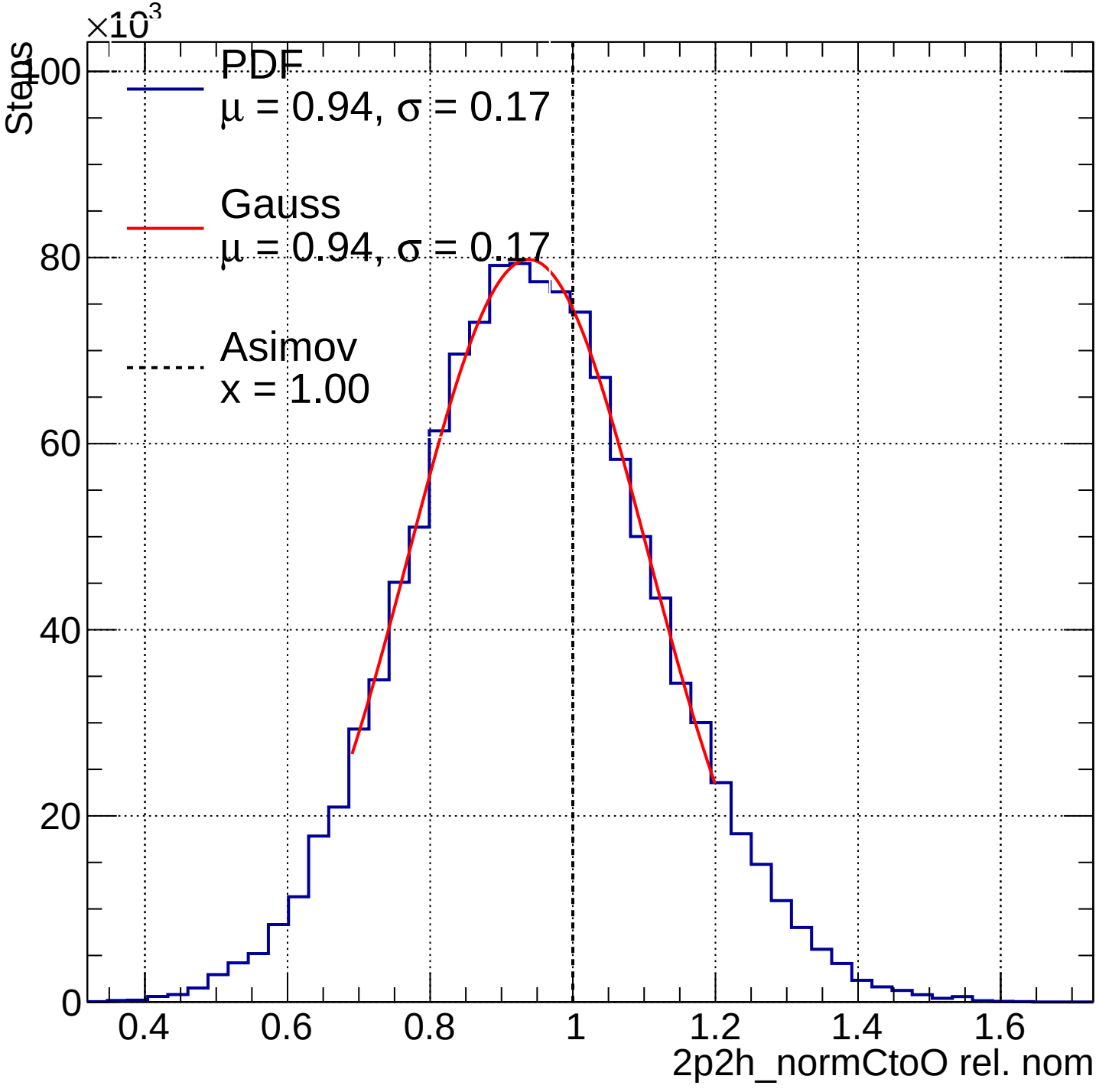

PDF
μ = 0.92, σ = 0.06
Gauss
μ = 0.92, σ = 0.06
Asimov
x = 1.00
Seps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.75
0.8
0.85
0.9
0.95
1
1.05
1.1
1.15
MAQE rel. nom

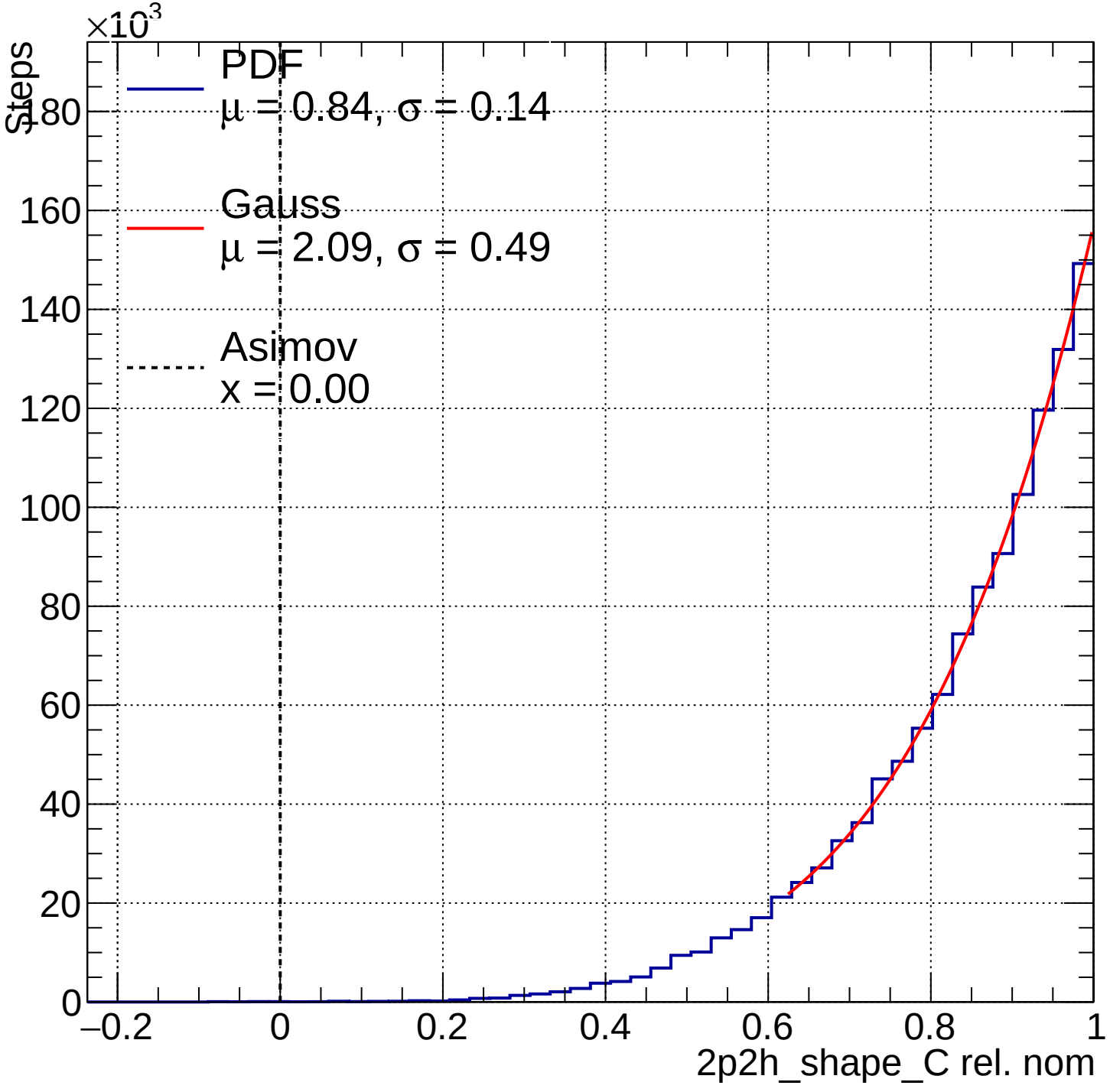

PDF
μ = 1.08, σ = 0.09
Gauss
μ = 1.06, σ = 0.14
Asimov
x = 1.00
Seps
40000
35000
30000
25000
20000
15000
10000
5000
0
0.95
1
1.05
1.1
1.15
1.2
1.25
pF_C rel. nom

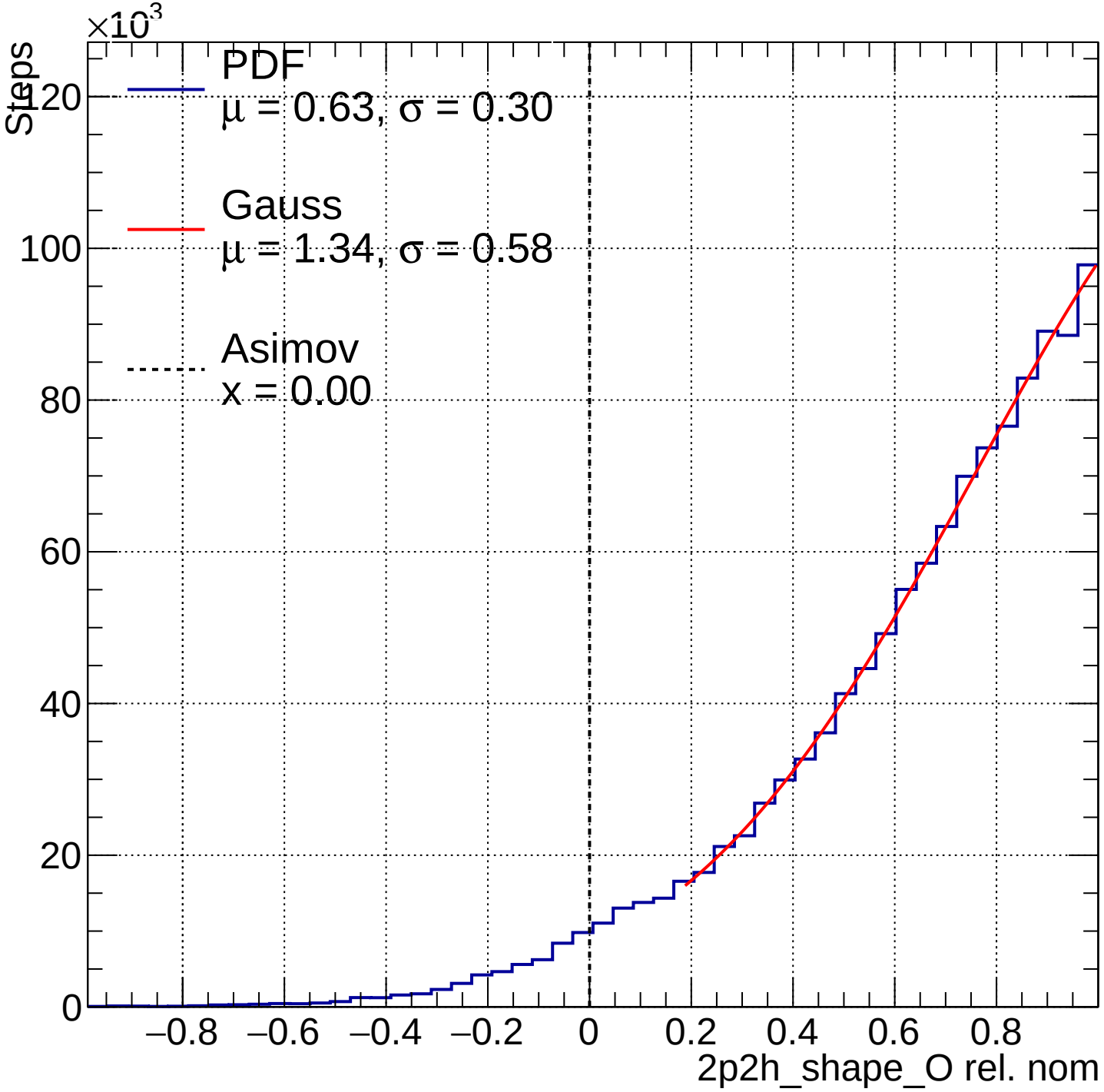

PDF
μ = 1.00, σ = 0.07
Gauss
μ = 0.94, σ = 0.11
Asimov
x = 1.00
Steps
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
1.15
1.2
pF_O rel. nom

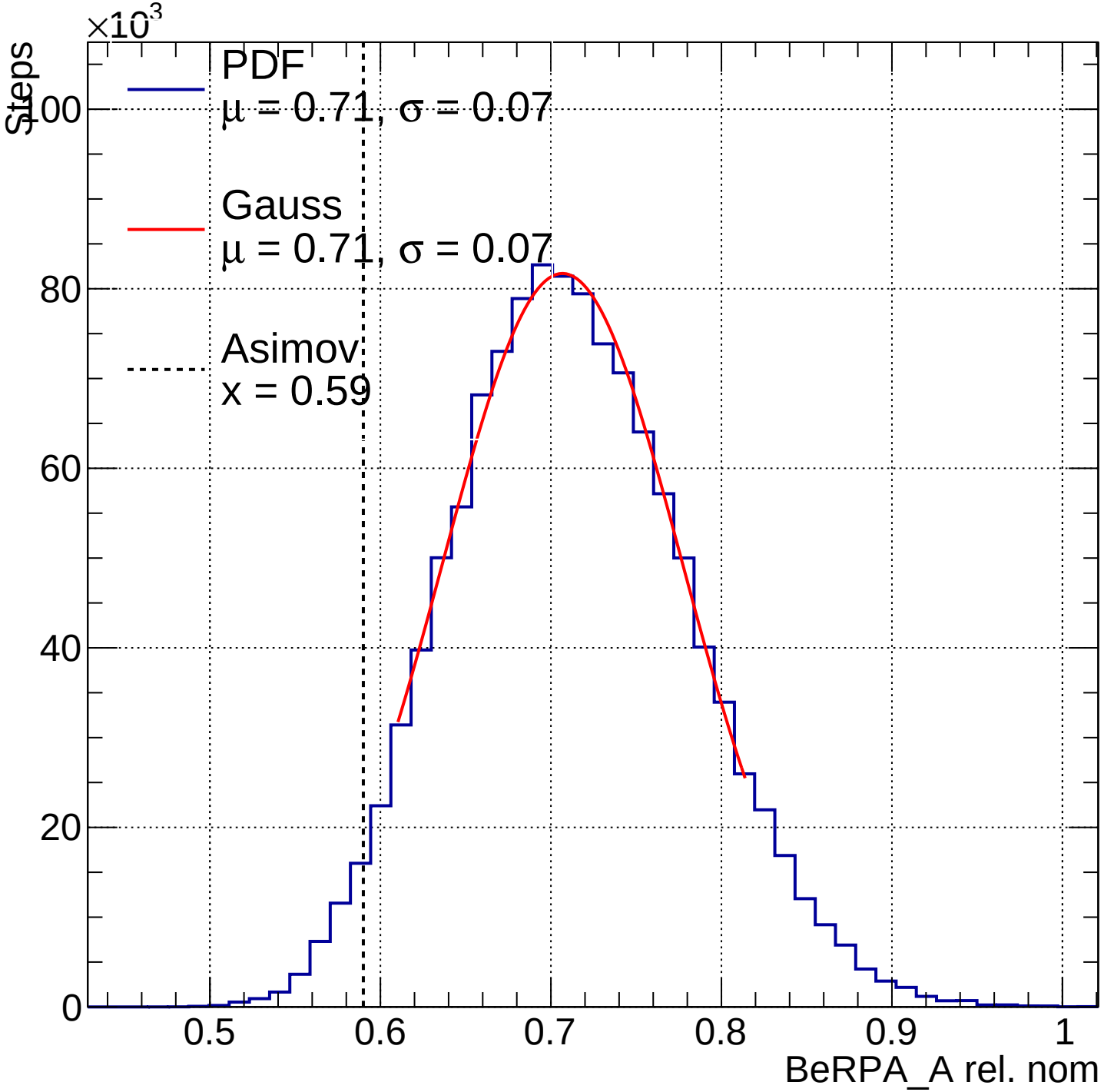

×10^3
Steps
PDF
μ = 1.39, σ = 0.20
Gauss
μ = 1.38, σ = 0.21
Asimov
x = 1.00
100
80
60
40
20
0
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2p2h_norm_nu rel. nom

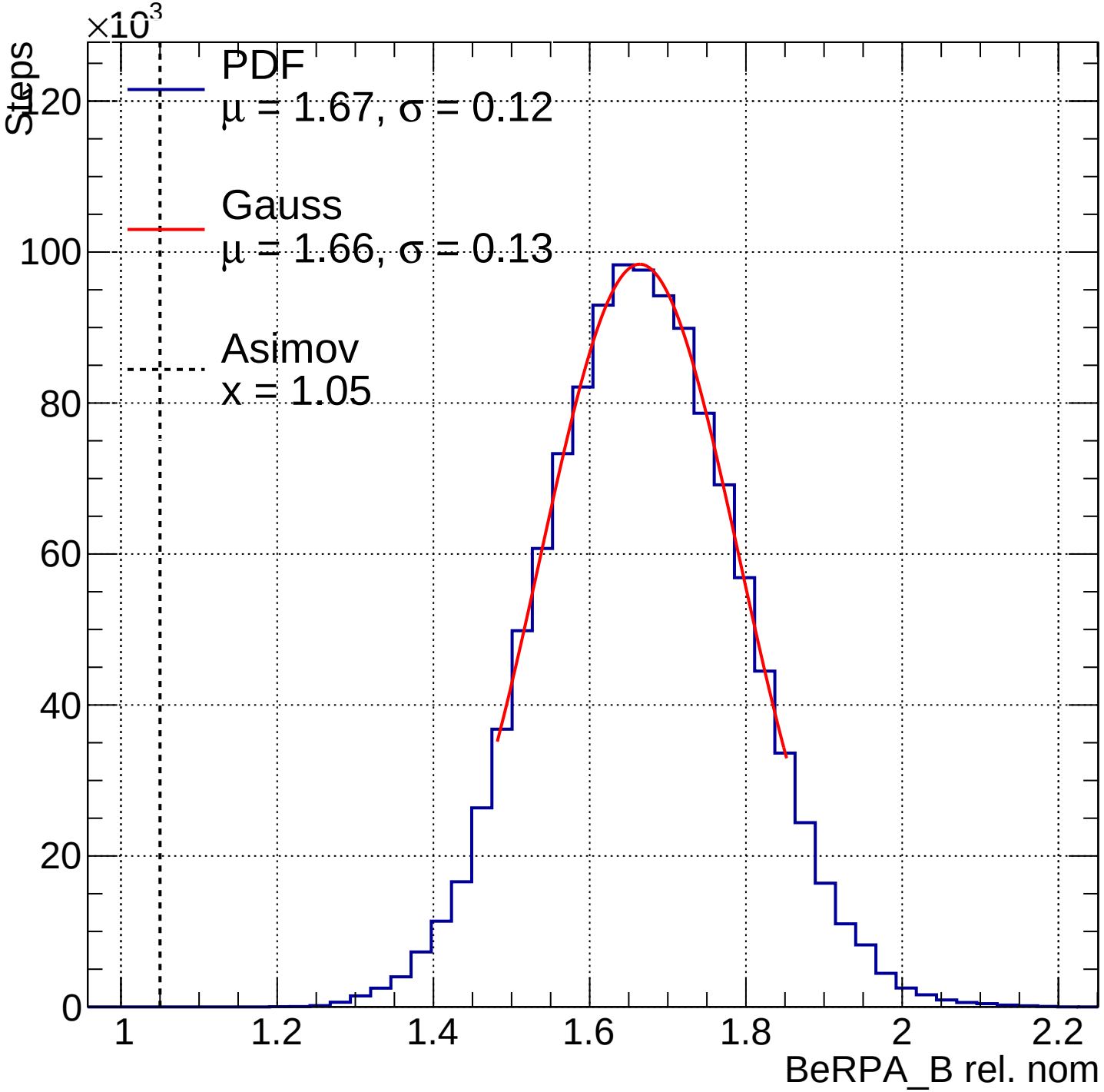

PDF
μ = 0.51, σ = 0.24
Gauss
μ = 0.49, σ = 0.23
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
2p2h_norm_nubar rel. nom

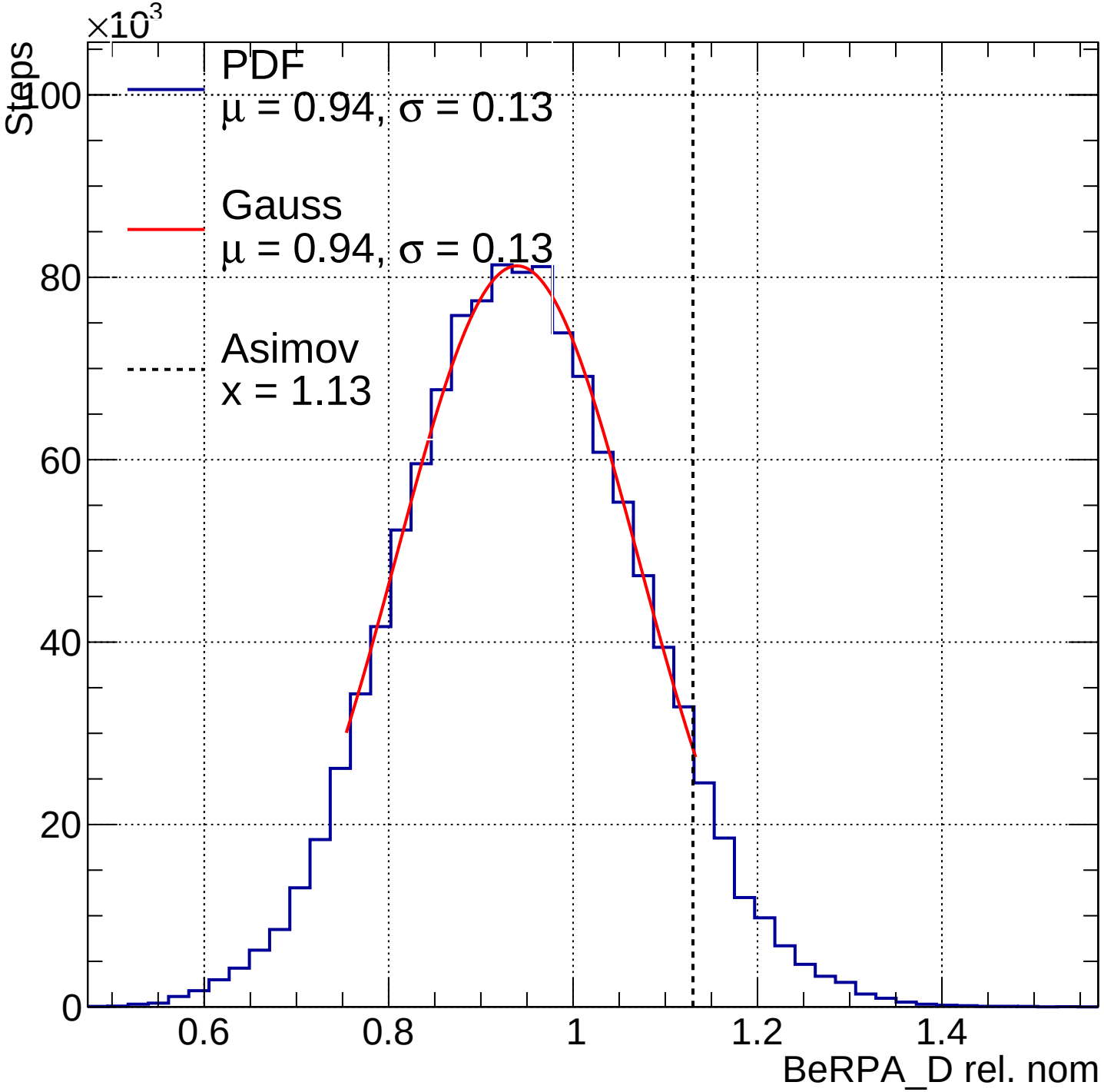

×10^3
Steps
PDF
μ = 0.94, σ = 0.17
Gauss
μ = 0.94, σ = 0.17
Asimov
x = 1.00
100
80
60
40
20
0
0.4
0.6
0.8
1
1.2
1.4
1.6
2p2h_normCtoO rel. nom

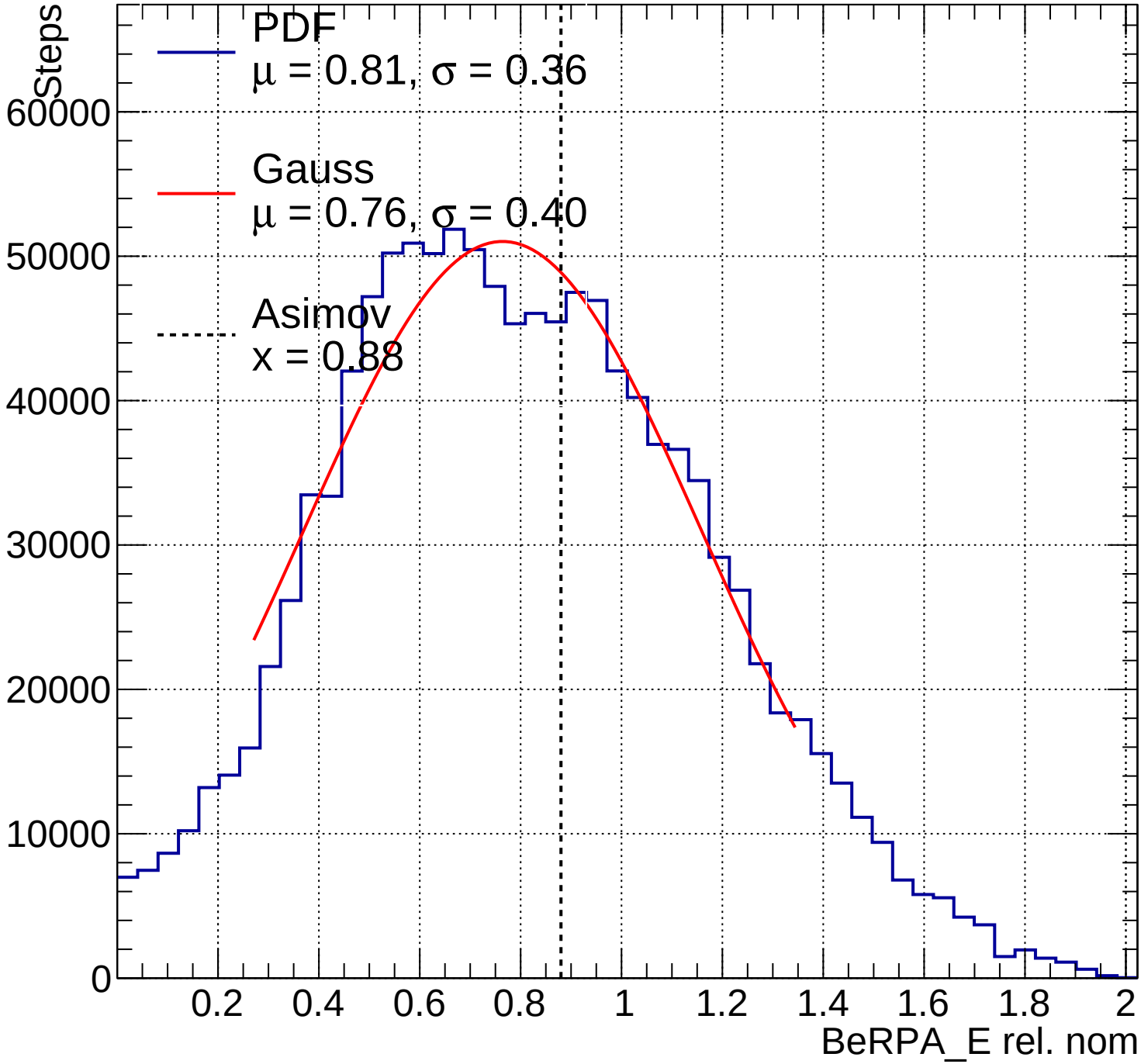

×10^3
Steps
PDF
μ = 0.84, σ = 0.14
Gauss
μ = 2.09, σ = 0.49
Asimov
x = 0.00
0
20
40
60
80
100
120
140
160
180
–0.2
0
0.2
0.4
0.6
0.8
1
2p2h_shape_C rel. nom

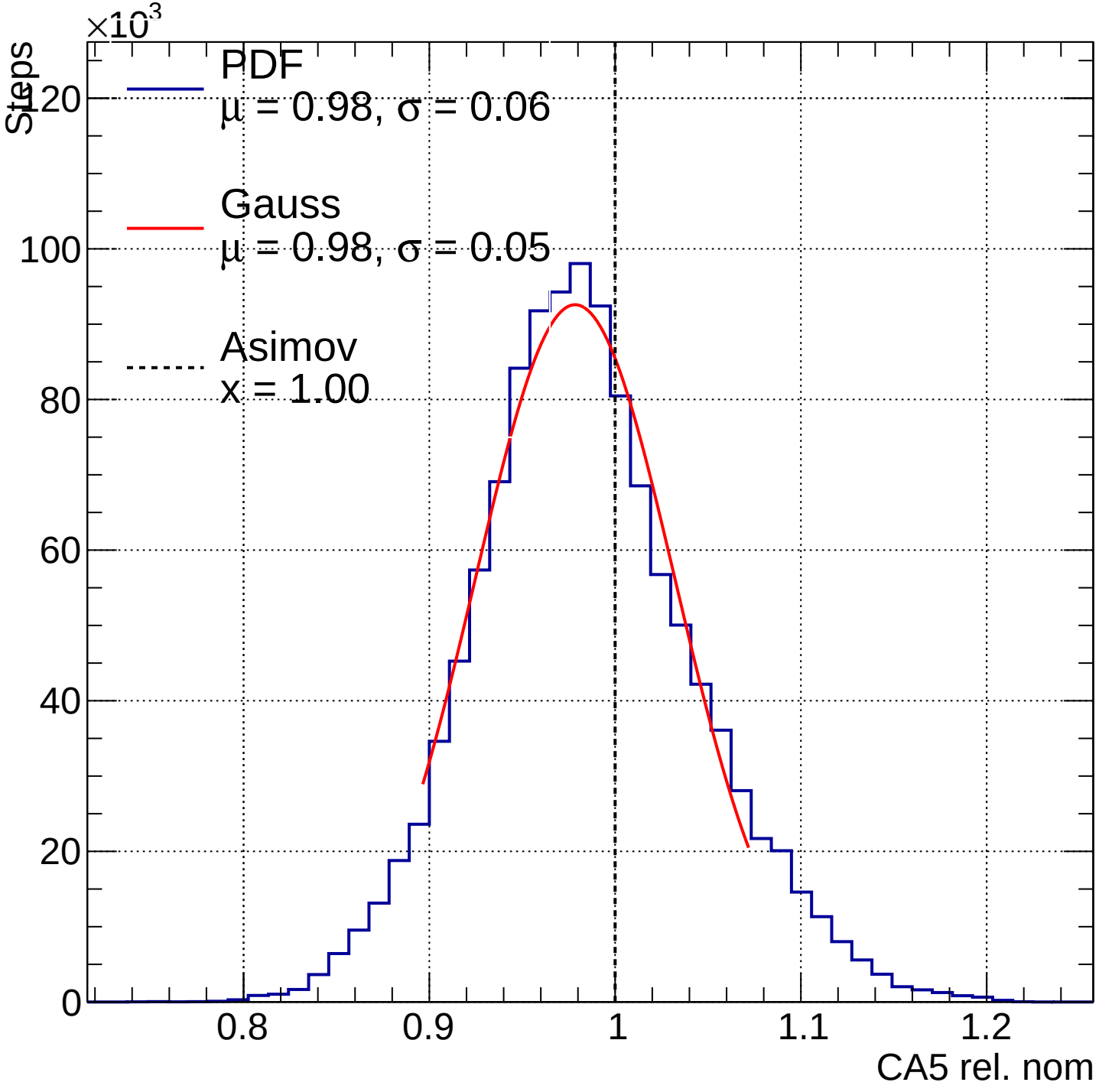

×10^3
Steps
PDF
μ = 0.63, σ = 0.30
Gauss
μ = 1.34, σ = 0.58
Asimov
x = 0.00
0
20
40
60
80
100
120
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
2p2h_shape_O rel. nom

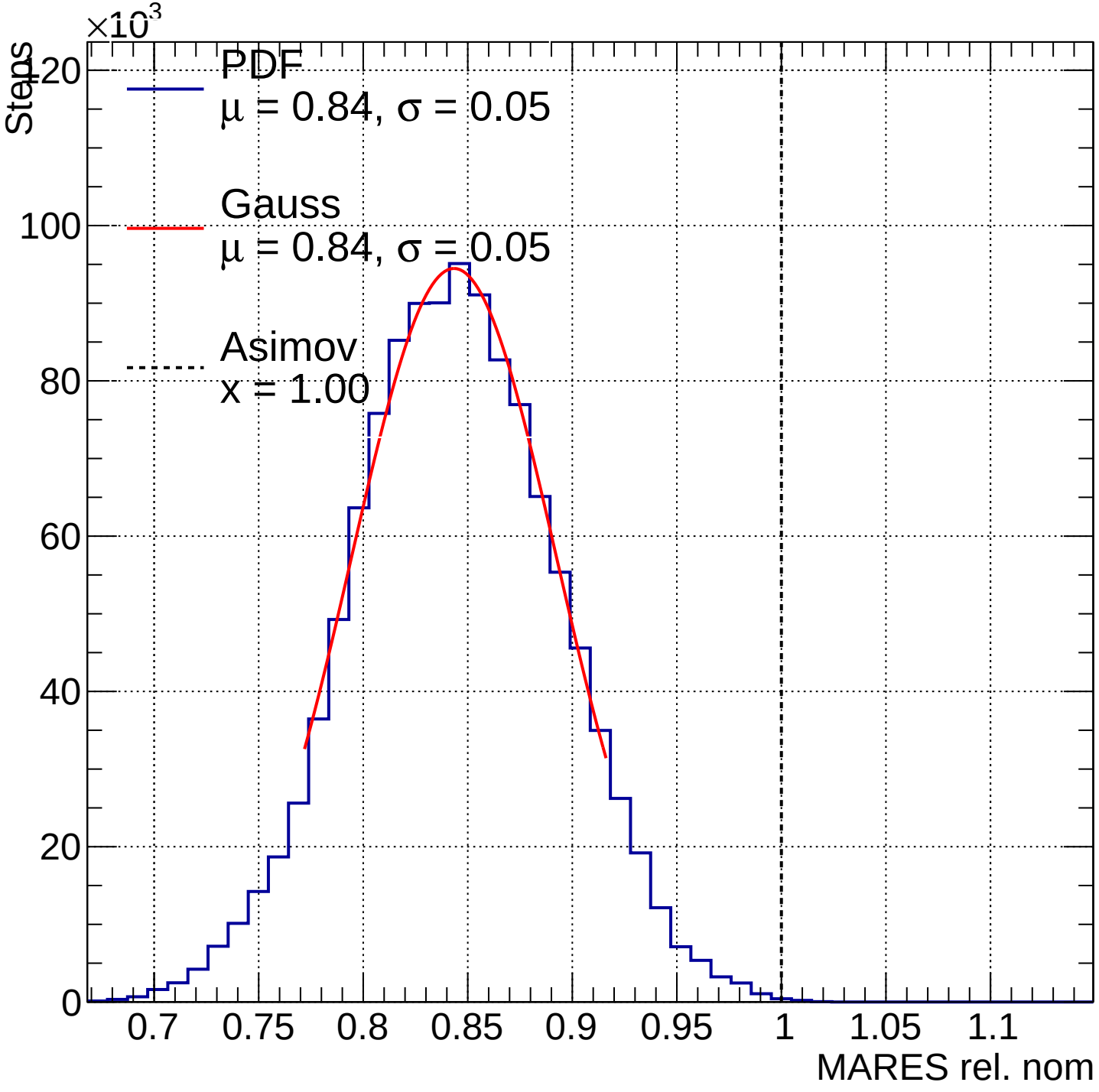

×10^3
Steps
PDF
μ = 0.71, σ = 0.07
Gauss
μ = 0.71, σ = 0.07
Asimov
x = 0.59
100
80
60
40
20
0
0.5
0.6
0.7
0.8
0.9
1
BeRPA_A rel. nom

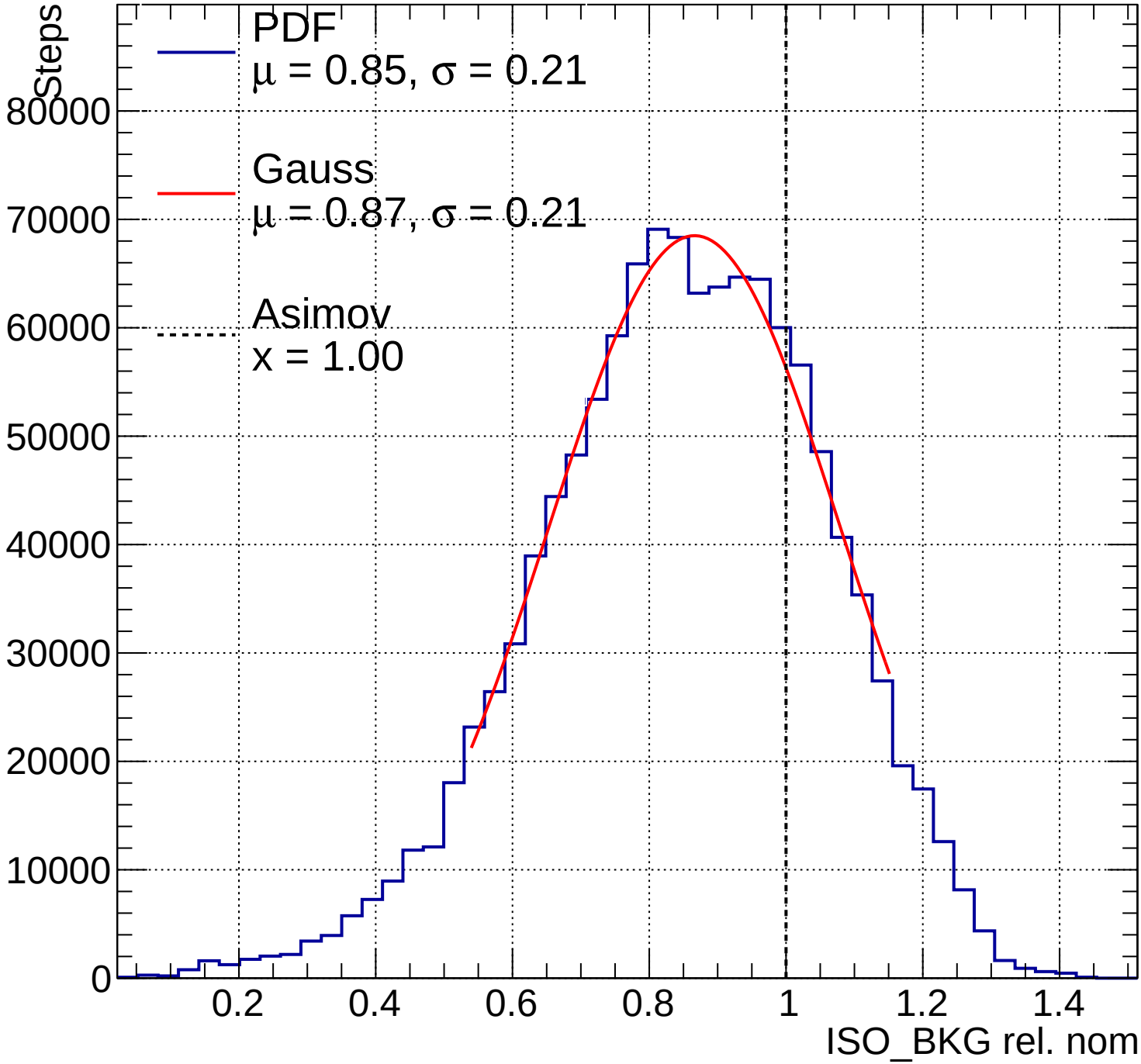

×10^3
Steps
PDF
μ = 1.67, σ = 0.12
Gauss
μ = 1.66, σ = 0.13
Asimov
x = 1.05
0
20
40
60
80
100
120
1
1.2
1.4
1.6
1.8
2
2.2
BeRPA_B rel. nom

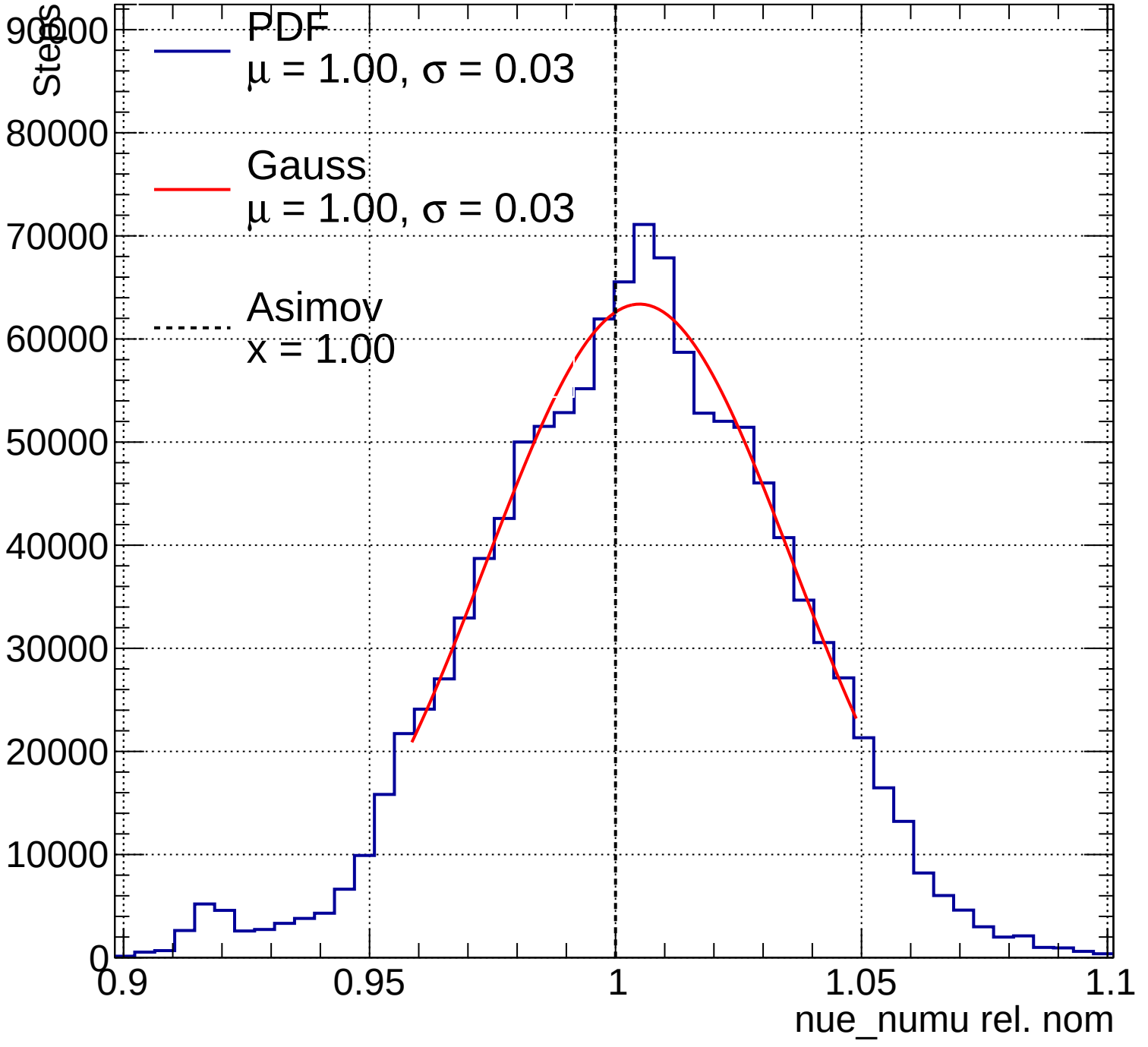

×10^3
Steps
PDF
μ = 0.94, σ = 0.13
Gauss
μ = 0.94, σ = 0.13
Asimov
x = 1.13
100
80
60
40
20
0
0.6
0.8
1
1.2
1.4
BeRPA_D rel. nom

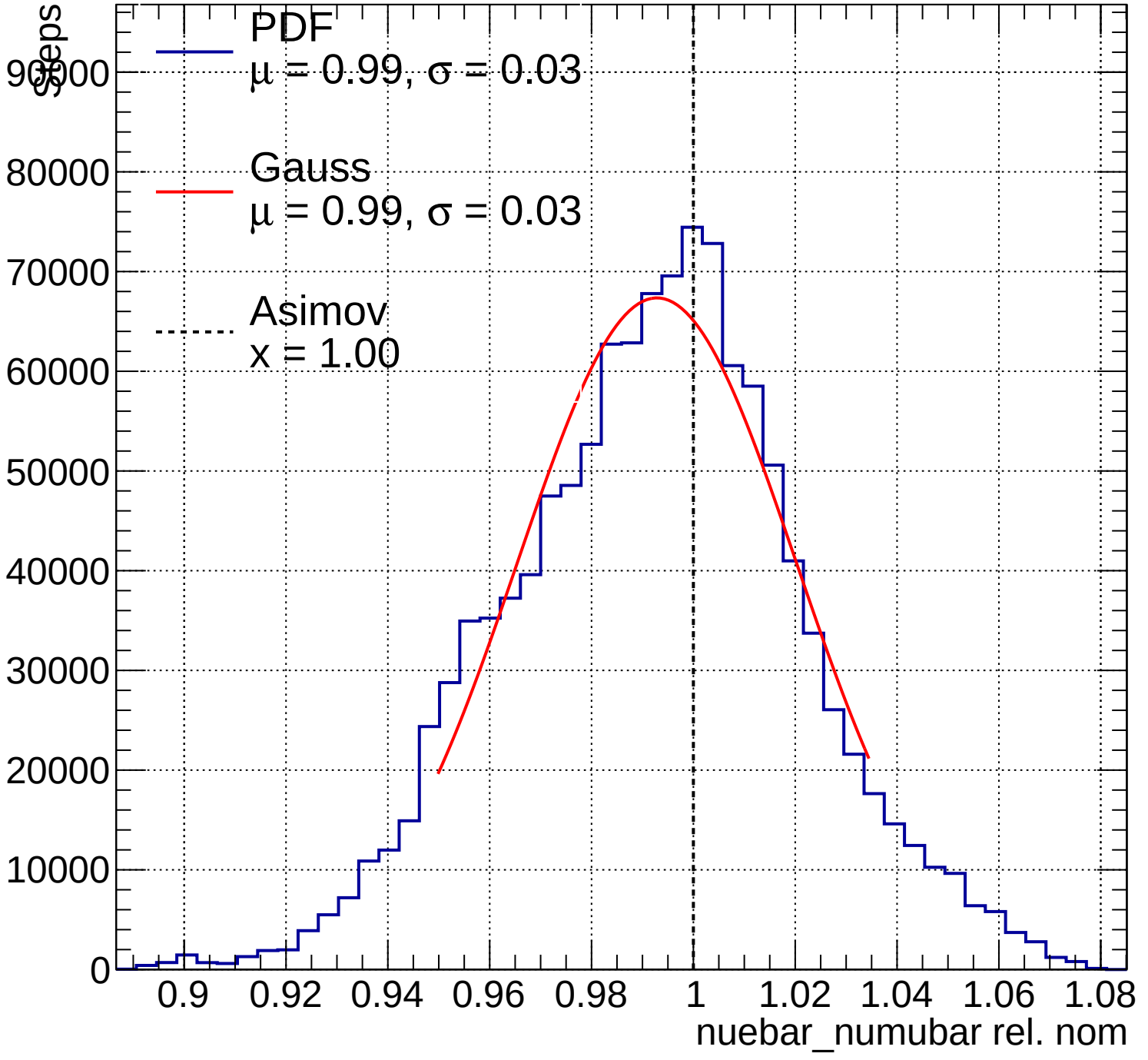

PDF
μ = 0.81, σ = 0.36
Gauss
μ = 0.76, σ = 0.40
Asimov
x = 0.88
Steps
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
BeRPA_E rel. nom

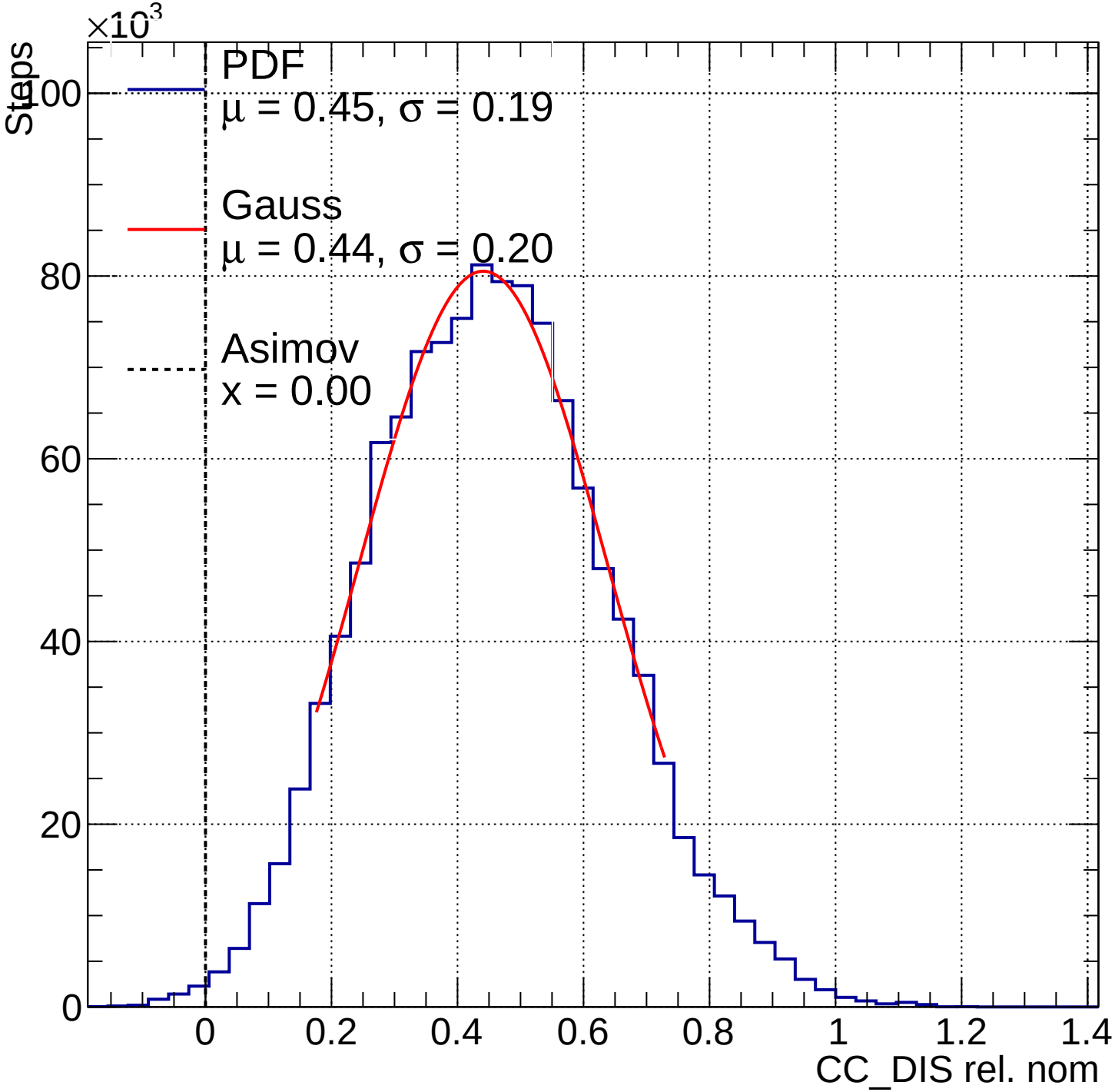

×10^3
Steps
PDF
μ = 0.98, σ = 0.06
Gauss
μ = 0.98, σ = 0.05
Asimov
x = 1.00
0
20
40
60
80
100
120
0.8
0.9
1
1.1
1.2
CA5 rel. nom

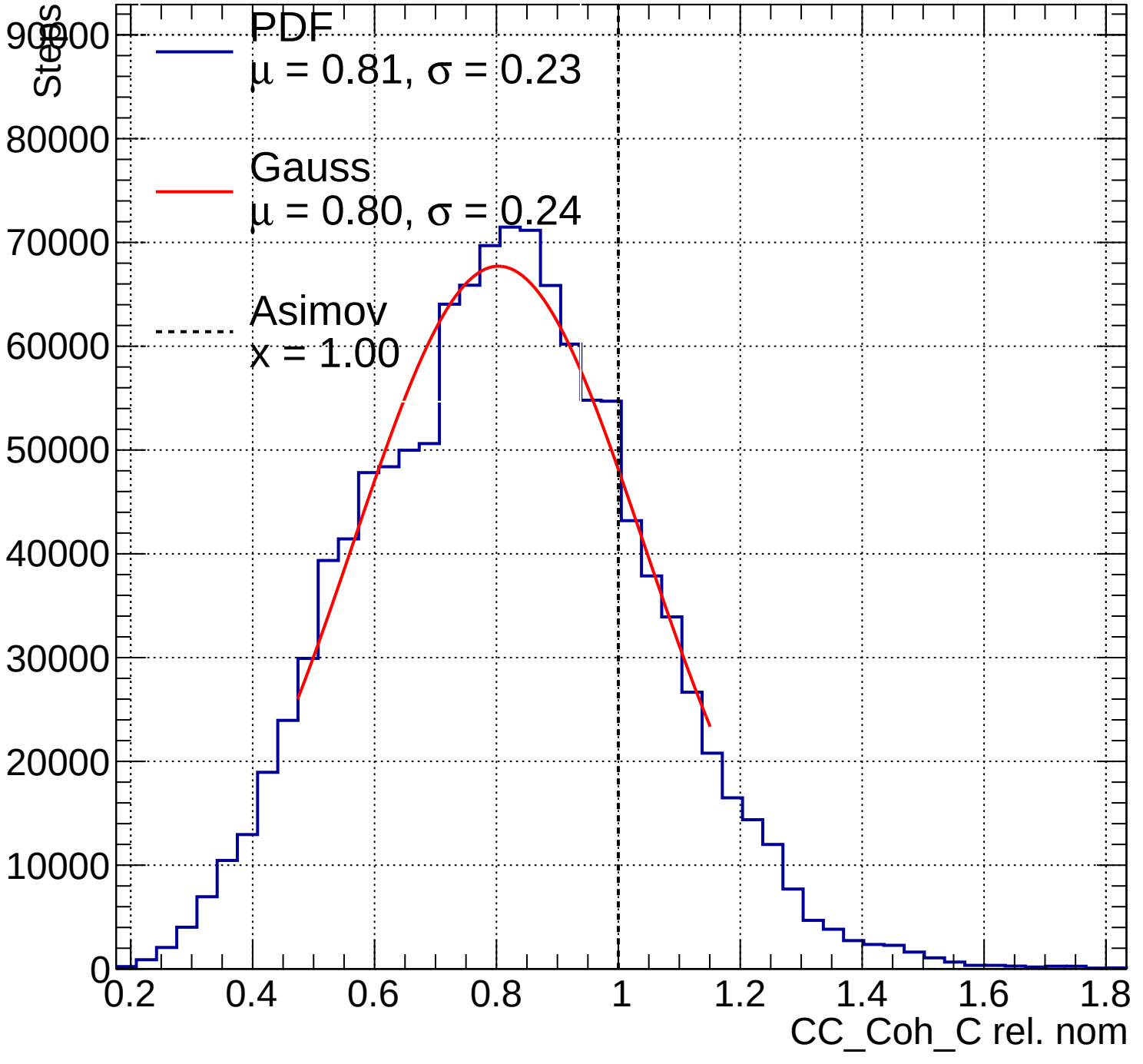

×10^3
Steps
120
100
80
60
40
20
0
PDF
μ = 0.84, σ = 0.05
Gauss
μ = 0.84, σ = 0.05
Asimov
x = 1.00
0.7
0.75
0.8
0.85
0.9
0.95
1
1.05
1.1
MARES rel. nom

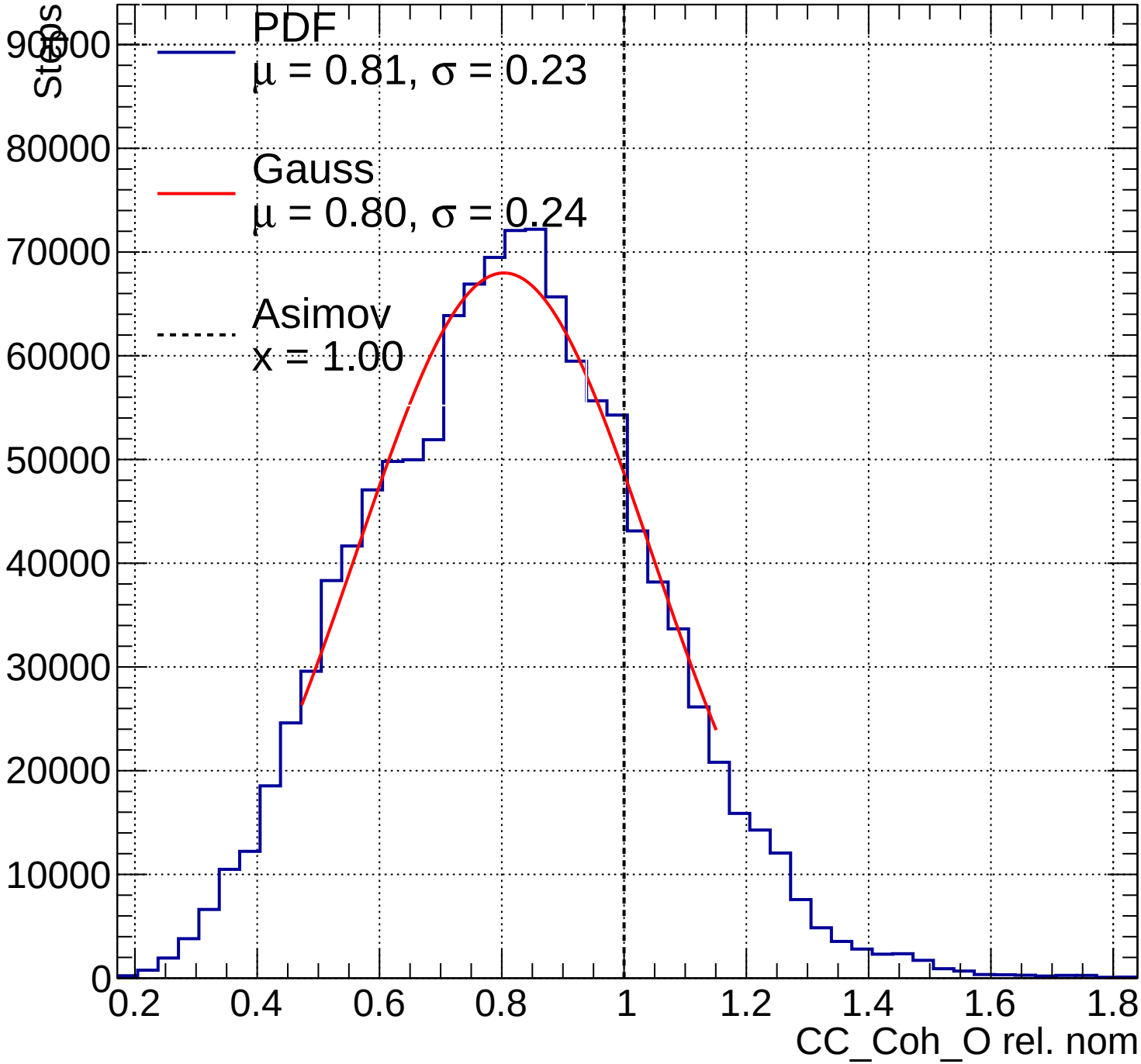

PDF
μ = 0.85, σ = 0.21
Gauss
μ = 0.87, σ = 0.21
Asimov
x = 1.00
Steps
80000
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
ISO_BKG rel. nom

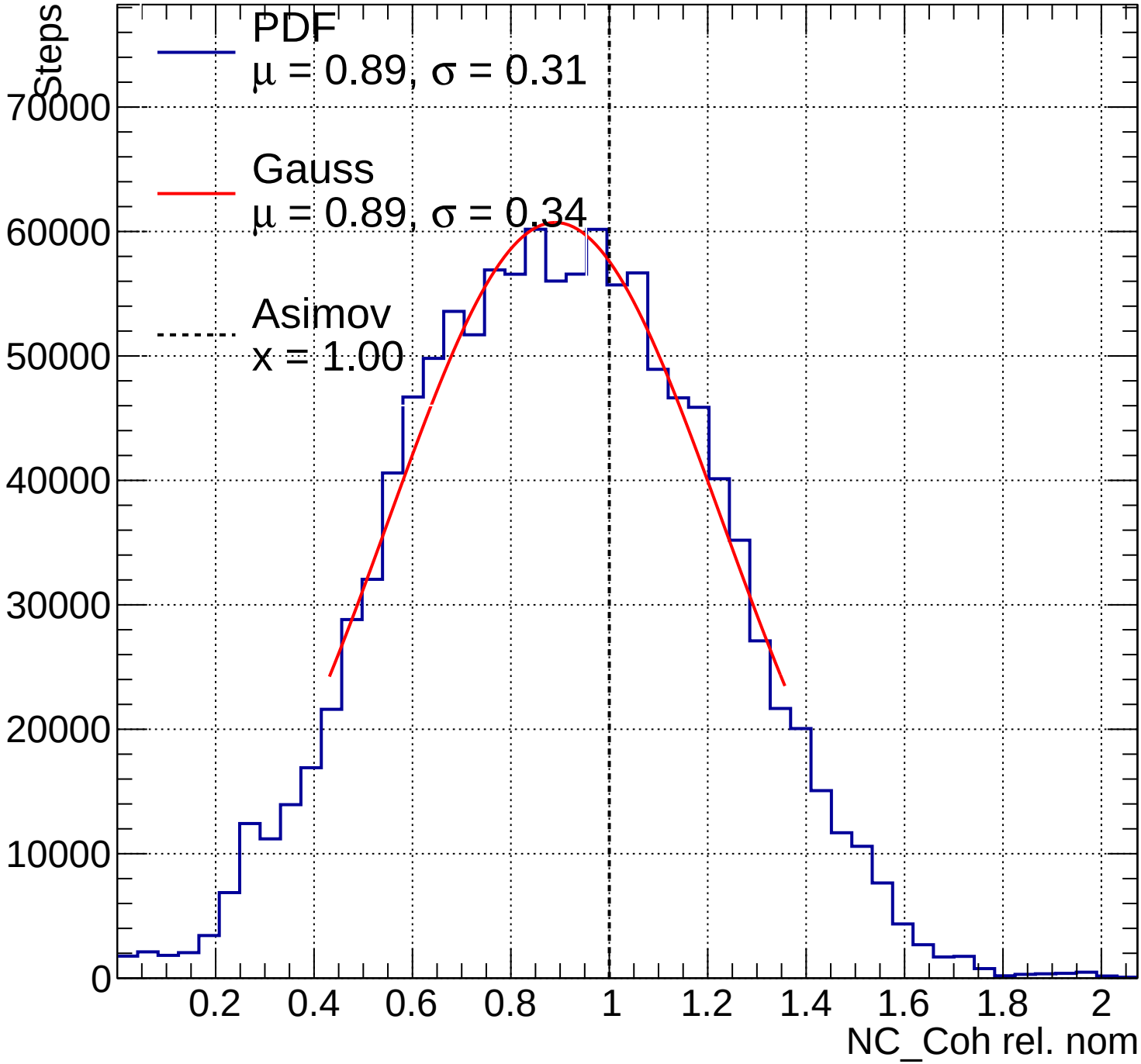

PDF
μ = 1.00, σ = 0.03
Gauss
μ = 1.00, σ = 0.03
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.95
1
1.05
1.1
nue_numu rel. nom

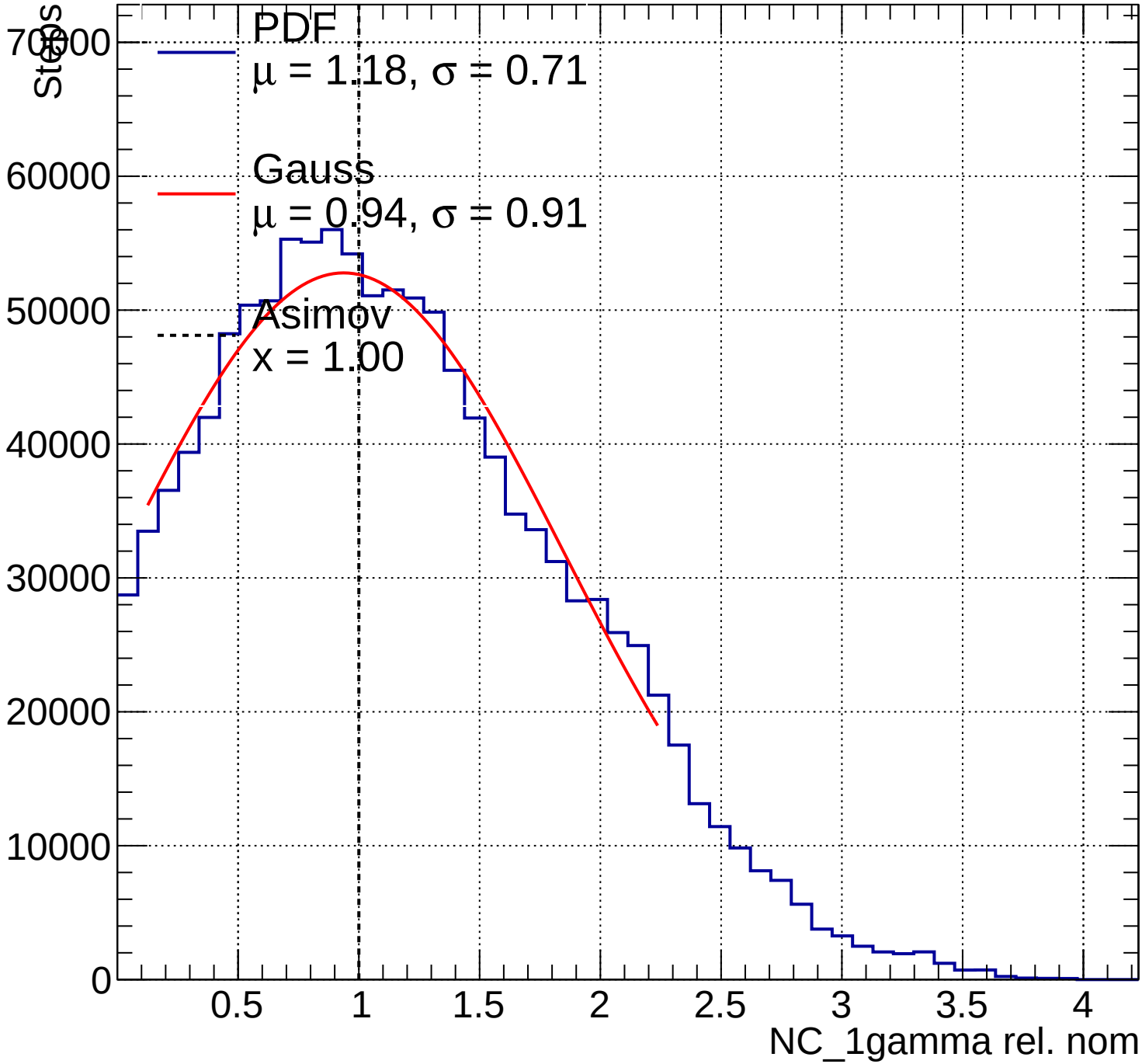

PDF
μ = 0.99, σ = 0.03
Gauss
μ = 0.99, σ = 0.03
Asimov
x = 1.00
Seps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.9
0.92
0.94
0.96
0.98
1
1.02
1.04
1.06
1.08
nuebar_numubar rel. nom

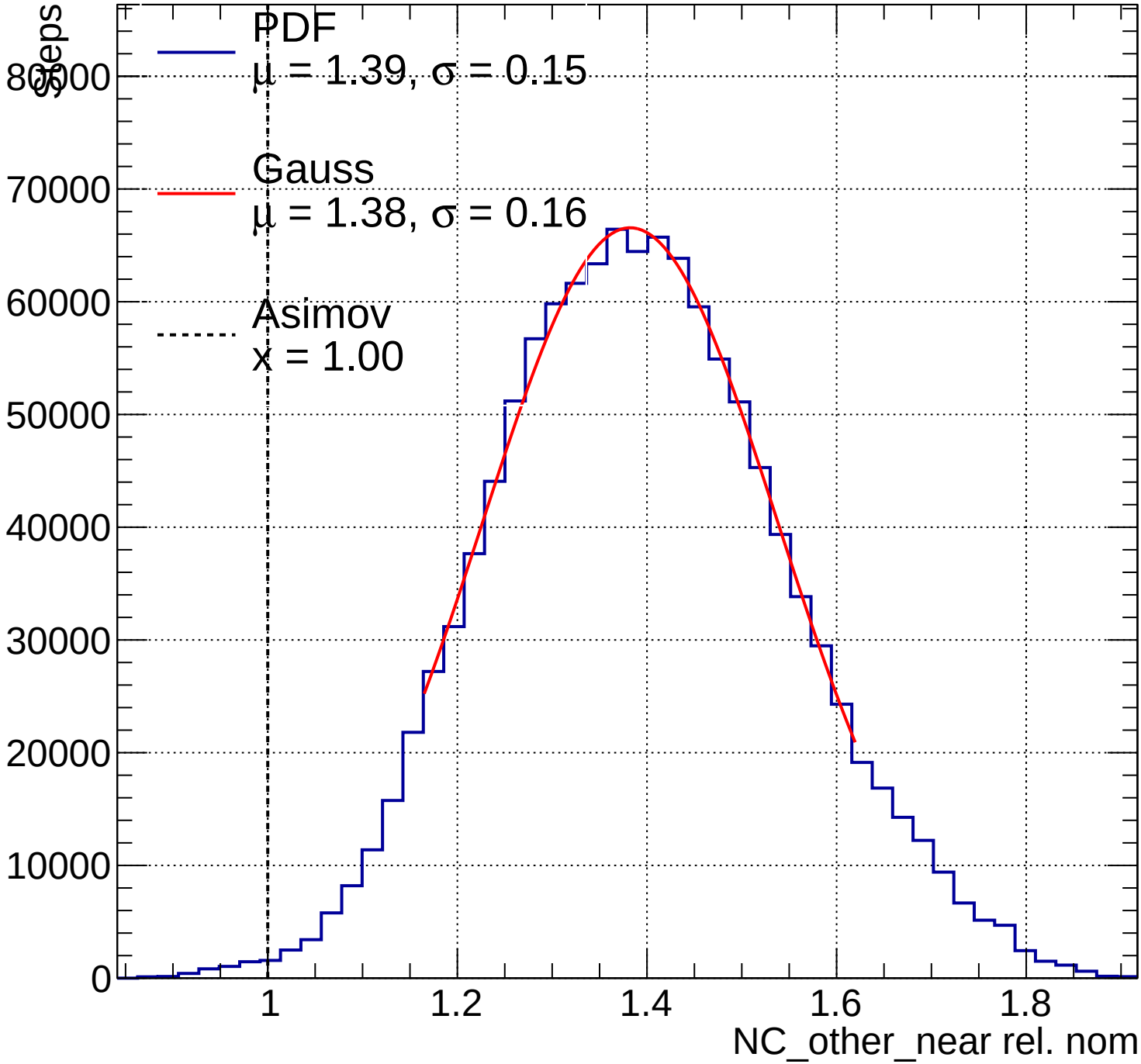

×10^3
Steps
PDF
μ = 0.45, σ = 0.19
Gauss
μ = 0.44, σ = 0.20
Asimov
x = 0.00
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
CC_DIS rel. nom

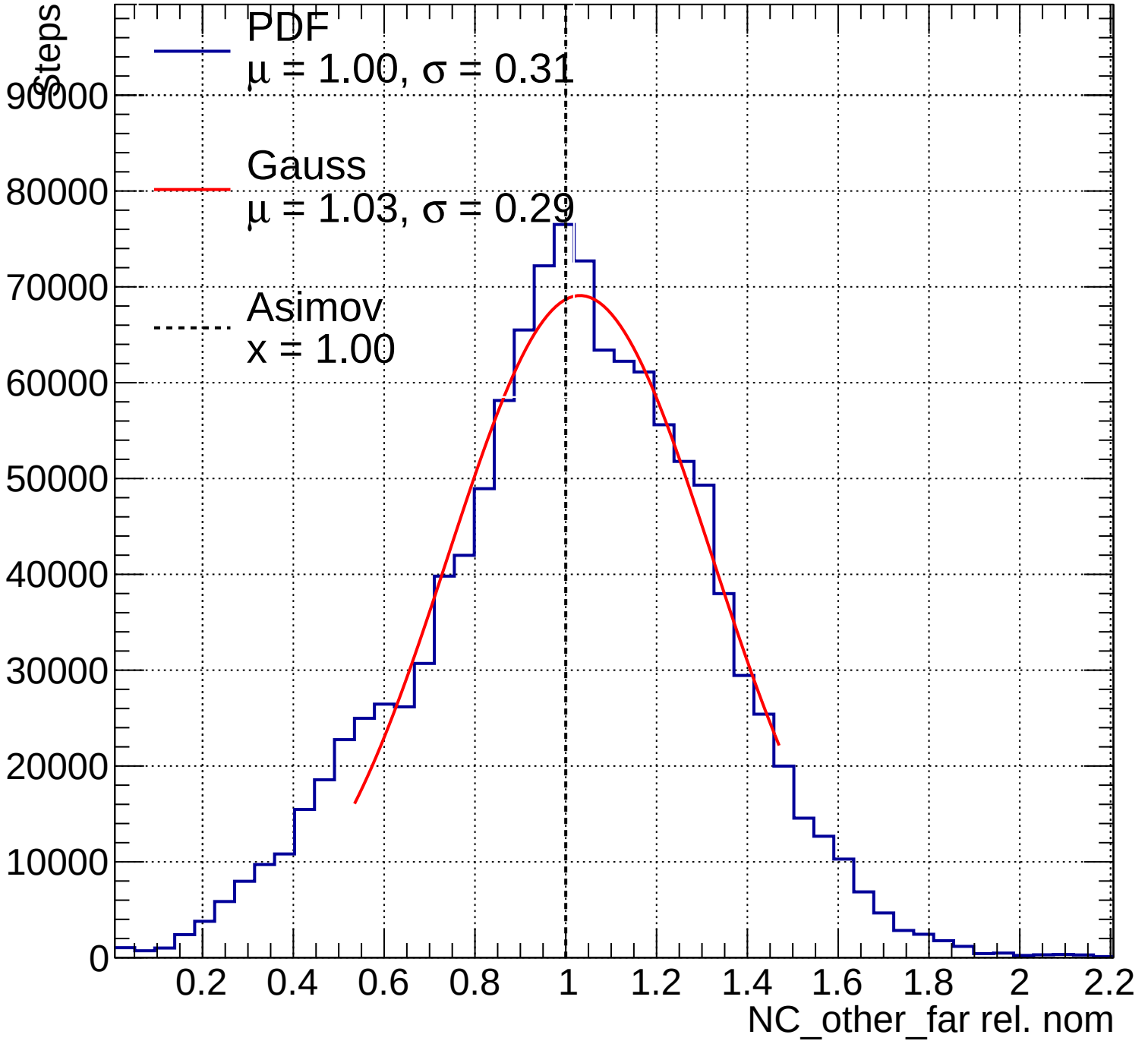

PDF
μ = 0.81, σ = 0.23
Gauss
μ = 0.80, σ = 0.24
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
CC_Coh_C rel. nom

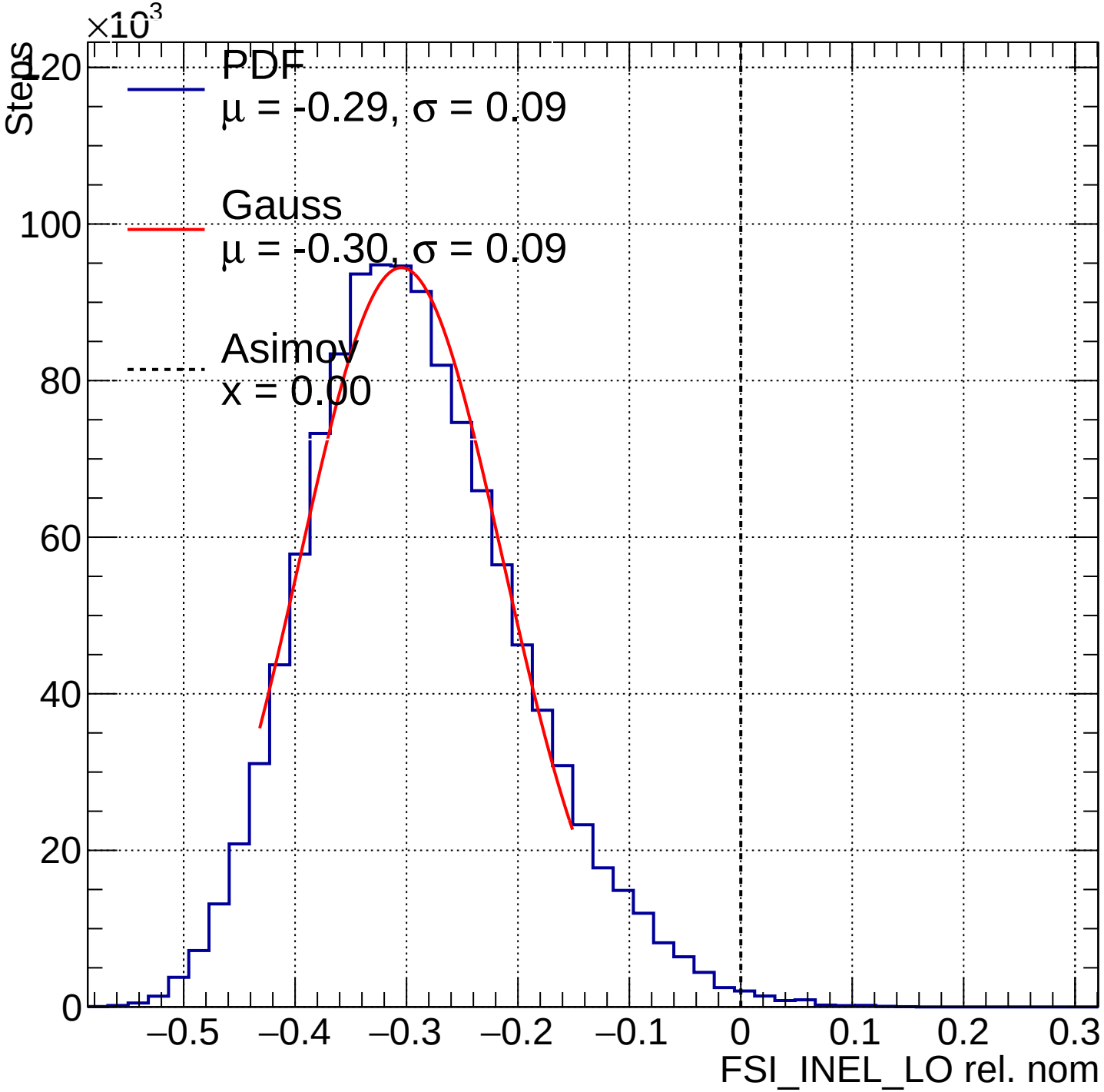

PDF
μ = 0.81, σ = 0.23
Gauss
μ = 0.80, σ = 0.24
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
CC_Coh_O rel. nom

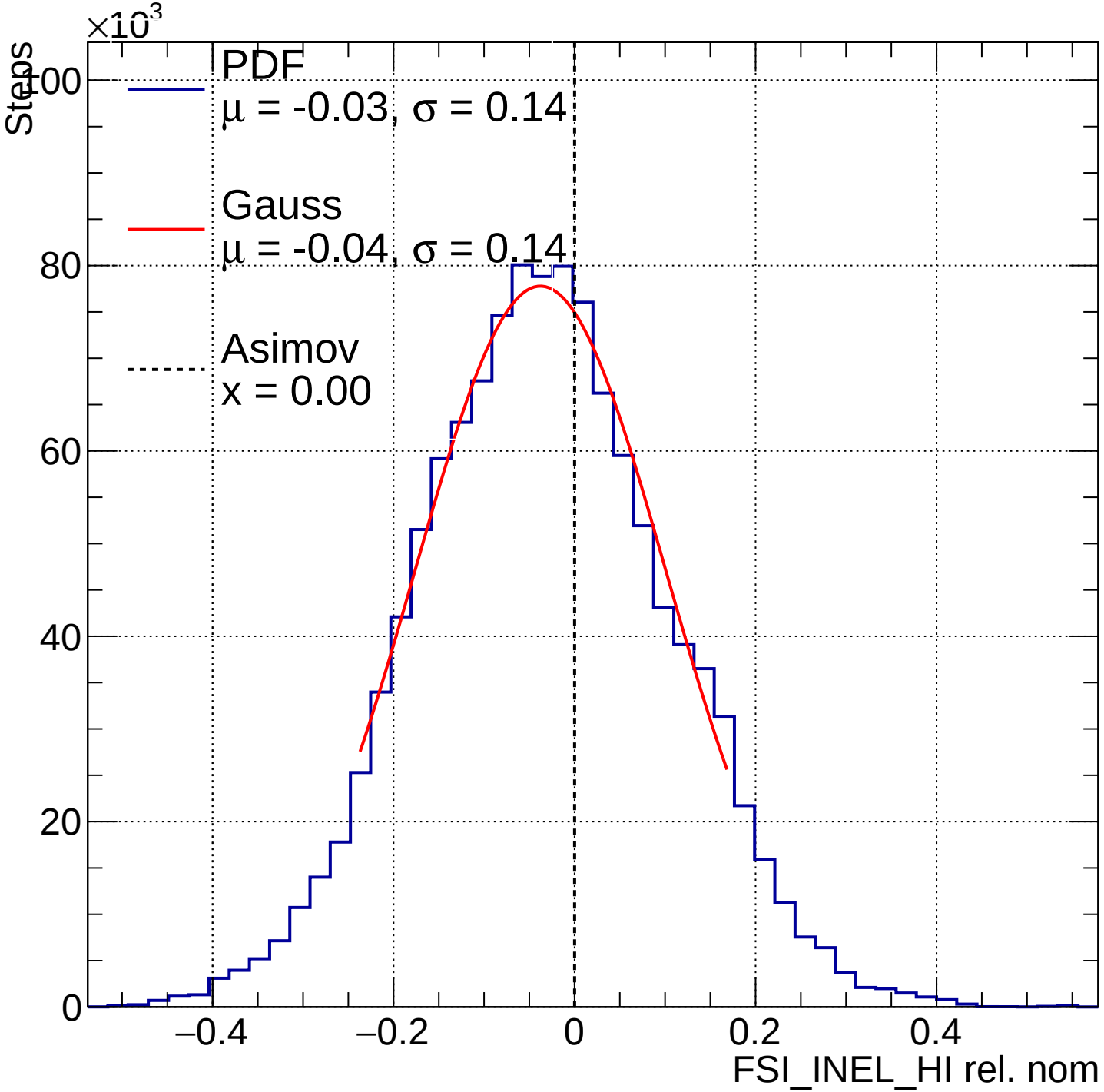

PDF
μ = 0.89, σ = 0.31
Gauss
μ = 0.89, σ = 0.34
Asimov
x = 1.00
Steps
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
NC_Coh rel. nom

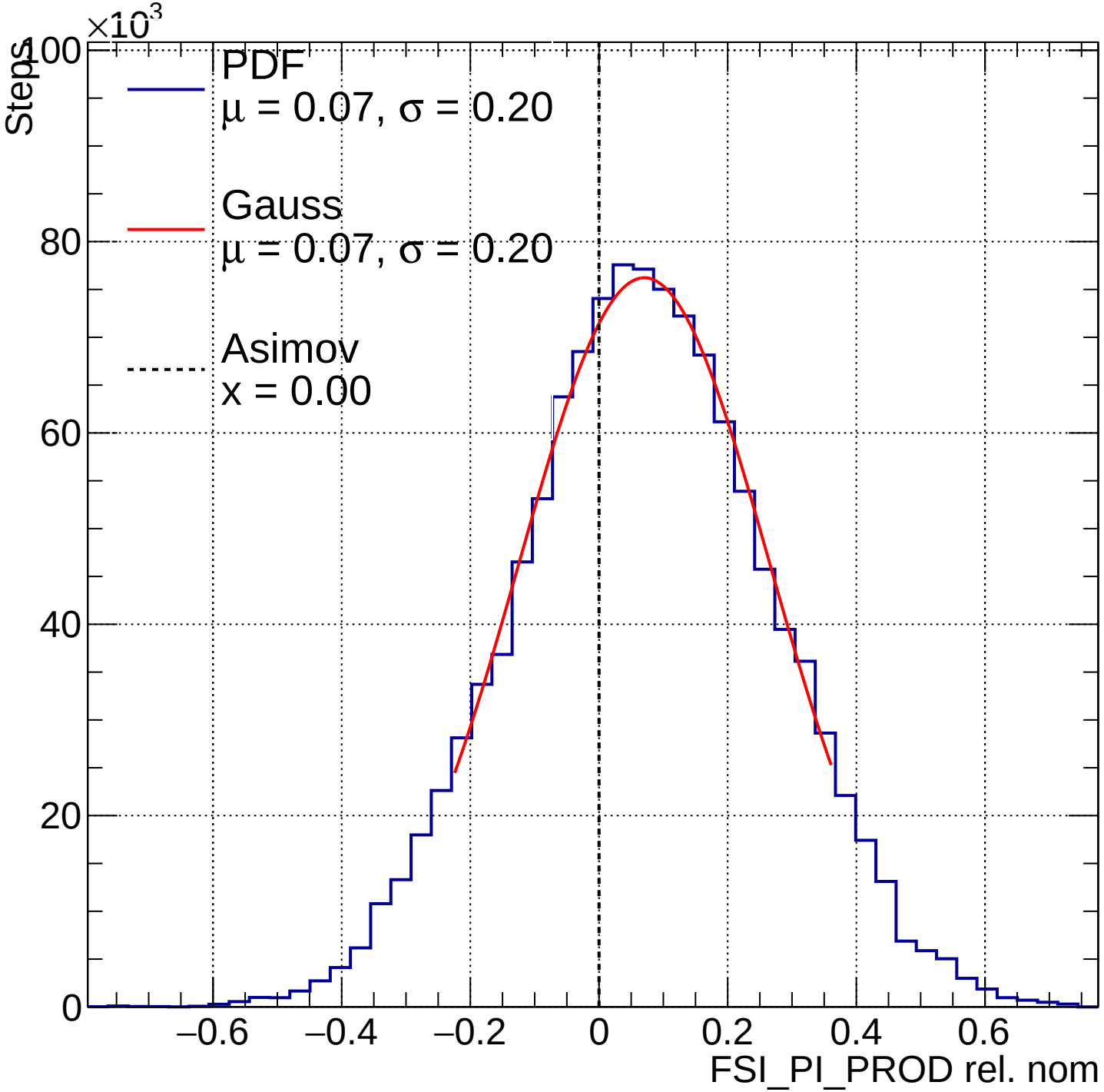

PDF
μ = 1.18, σ = 0.71
Gauss
μ = 0.94, σ = 0.91
Asimov
x = 1.00
Stops
70000
60000
50000
40000
30000
20000
10000
0
0.5
1
1.5
2
2.5
3
3.5
4
NC_1gamma rel. nom

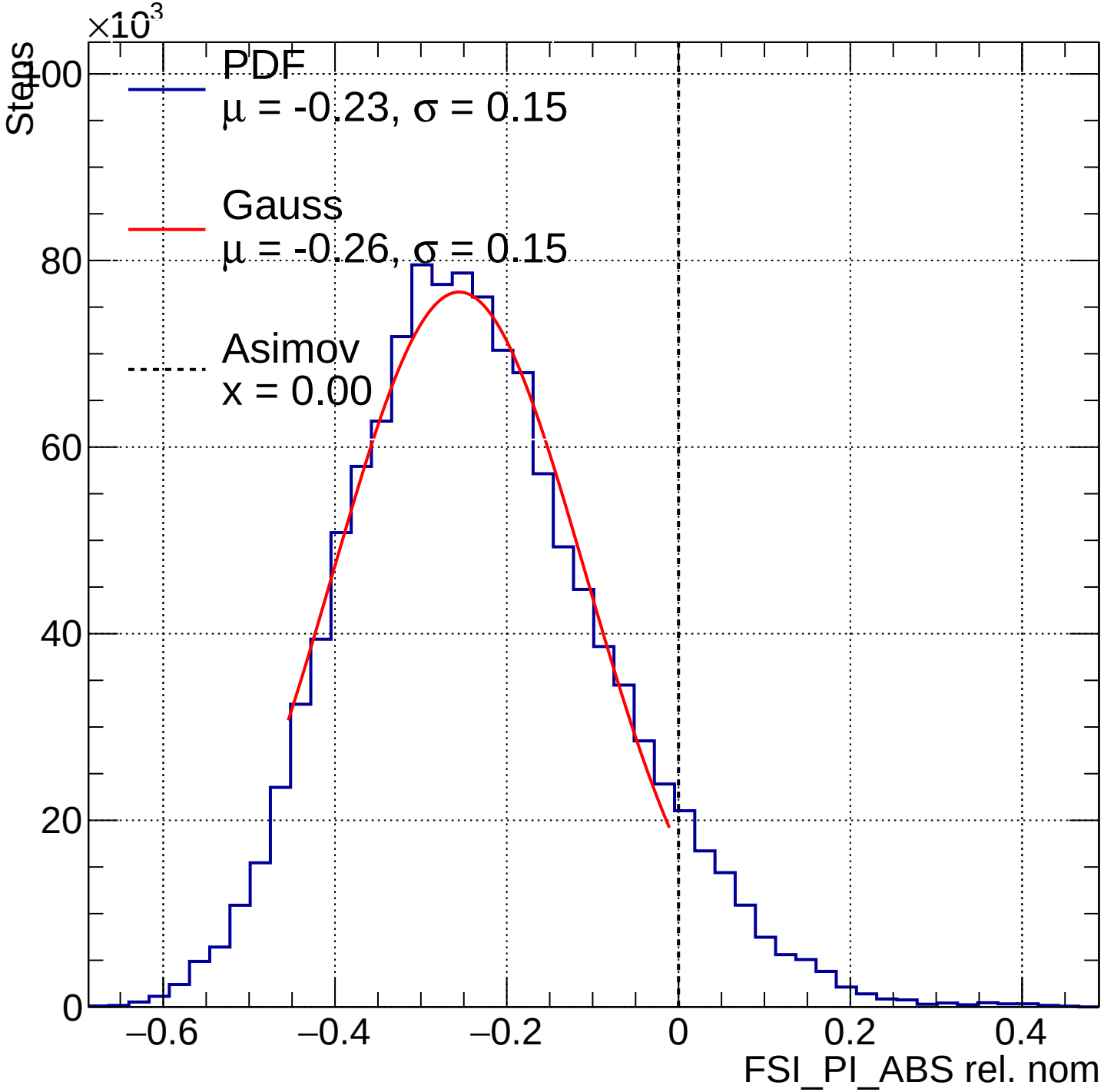

PDF
μ = 1.39, σ = 0.15
Gauss
μ = 1.38, σ = 0.16
Asimov
x = 1.00
Seps
80000
70000
60000
50000
40000
30000
20000
10000
0
1
1.2
1.4
1.6
1.8
NC_other_near rel. nom

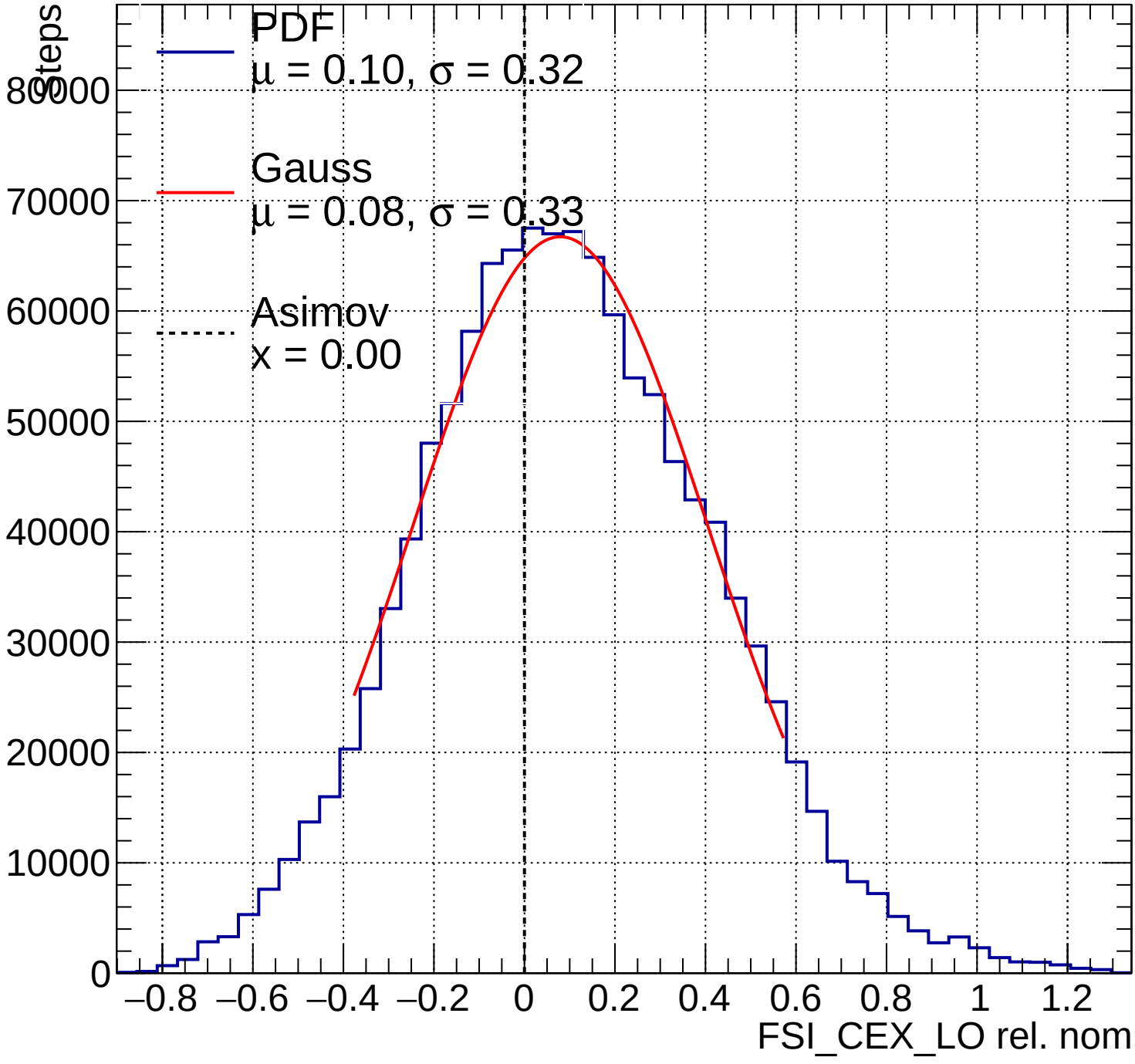

PDF
μ = 1.00, σ = 0.31
Gauss
μ = 1.03, σ = 0.29
Asimov
x = 1.00
Steps
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
NC_other_far rel. nom

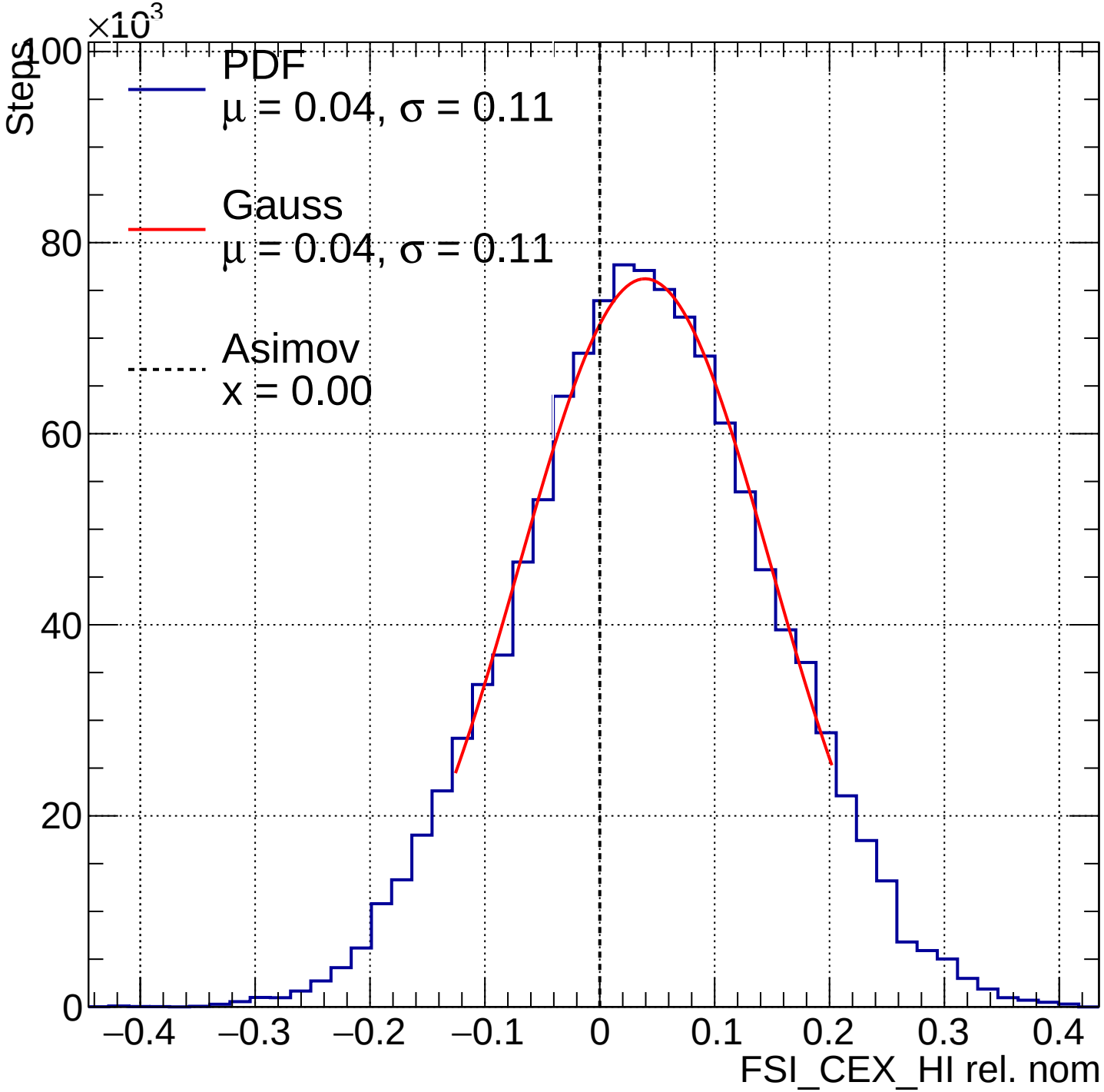

×10^3
Steps
120
100
80
60
40
20
0
PDF
μ = -0.29, σ = 0.09
Gauss
μ = -0.30, σ = 0.09
Asimov
x = 0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
FSI_INEL_LO rel. nom

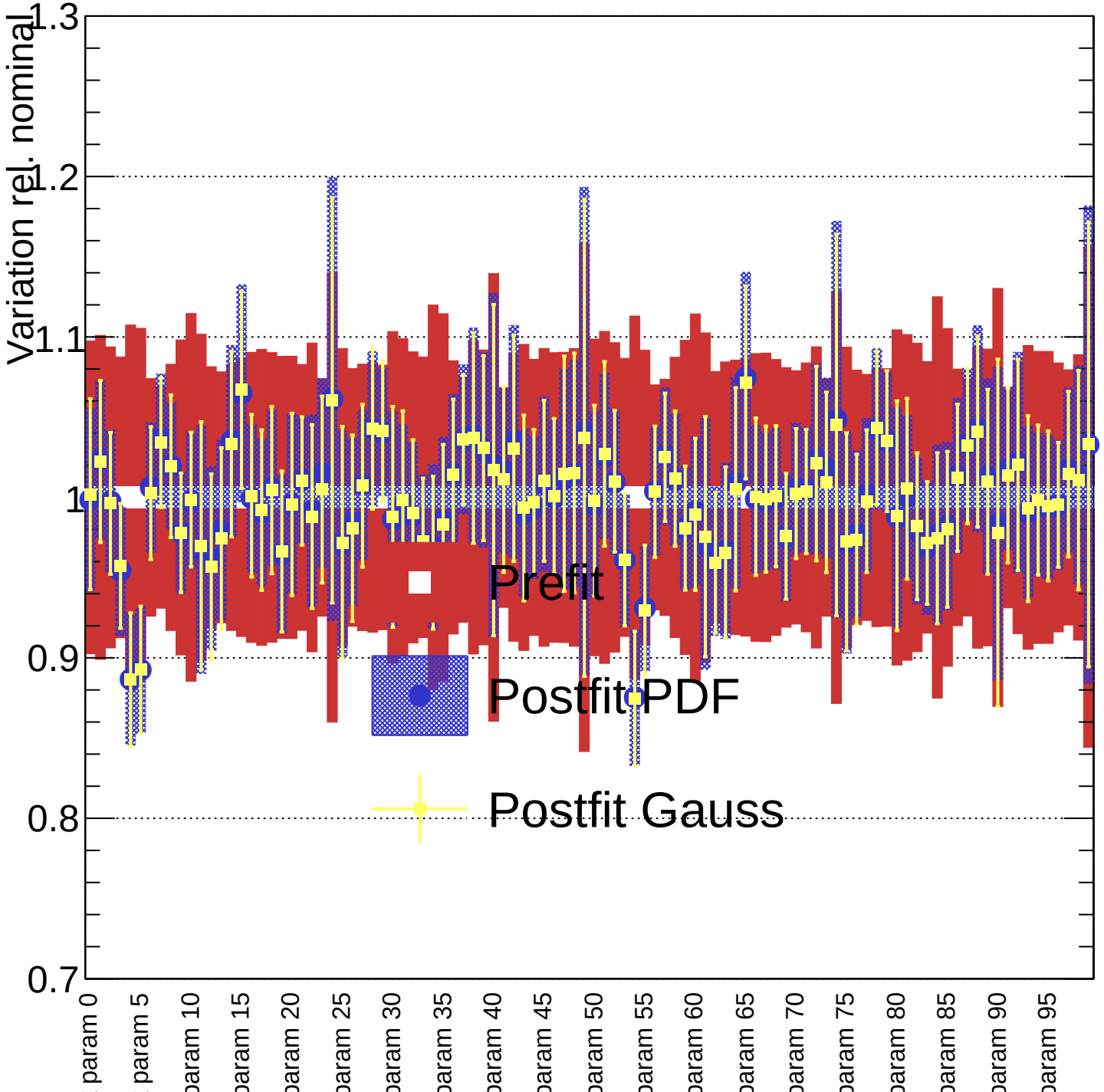

×10^3
Steps
100
80
60
40
20
0
PDF
μ = -0.03, σ = 0.14
Gauss
μ = -0.04, σ = 0.14
Asimov
x = 0.00
–0.4
–0.2
0
0.2
0.4
FSI_INEL_HI rel. nom

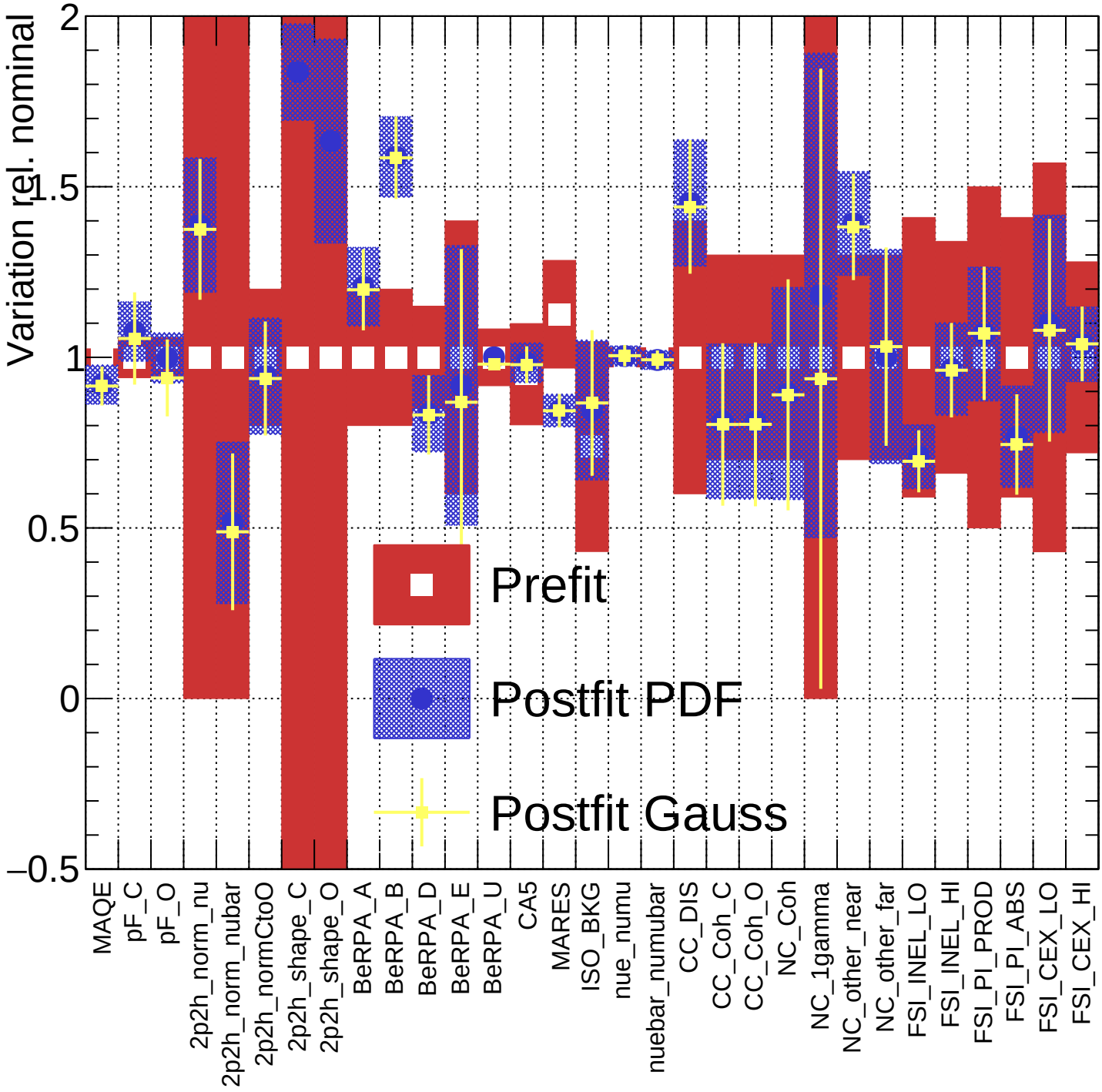

×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.07, σ = 0.20
Gauss
μ = 0.07, σ = 0.20
Asimov
x = 0.00
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
FSI_PI_PROD rel. nom


×10^3
Steps
100
80
60
40
20
0
PDF
μ = -0.23, σ = 0.15
Gauss
μ = -0.26, σ = 0.15
Asimov
x = 0.00
–0.6
–0.4
–0.2
0
0.2
0.4
FSI_PI_ABS rel. nom


PDF
μ = 0.10, σ = 0.32
Gauss
μ = 0.08, σ = 0.33
Asimov
x = 0.00
steps
80000
70000
60000
50000
40000
30000
20000
10000
0
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
FSI_CEX_LO rel. nom


×10^3
Steps
100
80
60
40
20
0
PDF
μ = 0.04, σ = 0.11
Gauss
μ = 0.04, σ = 0.11
Asimov
x = 0.00
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
0.4
FSI_CEX_HI rel. nom


Variation rel. nominal
1.3
1.2
1.1
1
0.9
0.8
0.7
Prefit
Postfit PDF
Postfit Gauss
param 0
param 5
param 10
param 15
param 20
param 25
param 30
param 35
param 40
param 45
param 50
param 55
param 60
param 65
param 70
param 75
param 80
param 85
param 90
param 95


Variation rel. nominal
2
1.5
1
0.5
0
−0.5
Prefit
Postfit PDF
Postfit Gauss
MAQE
pF_C
pF_O
2p2h_norm_nu
2p2h_norm_nubar
2p2h_normCtoO
2p2h_shape_C
2p2h_shape_O
BeRPA_A
BeRPA_B
BeRPA_D
BeRPA_E
BeRPA_U
CA5
MARES
ISO_BKG
nue_numu
nuebar_numubar
CC_DIS
CC_Coh_C
CC_Coh_O
NC_Coh
NC_1gamma
NC_other_near
NC_other_far
FSI_INEL_LO
FSI_INEL_HI
FSI_PI_PROD
FSI_PI_ABS
FSI_CEX_LO
FSI_CEX_HI