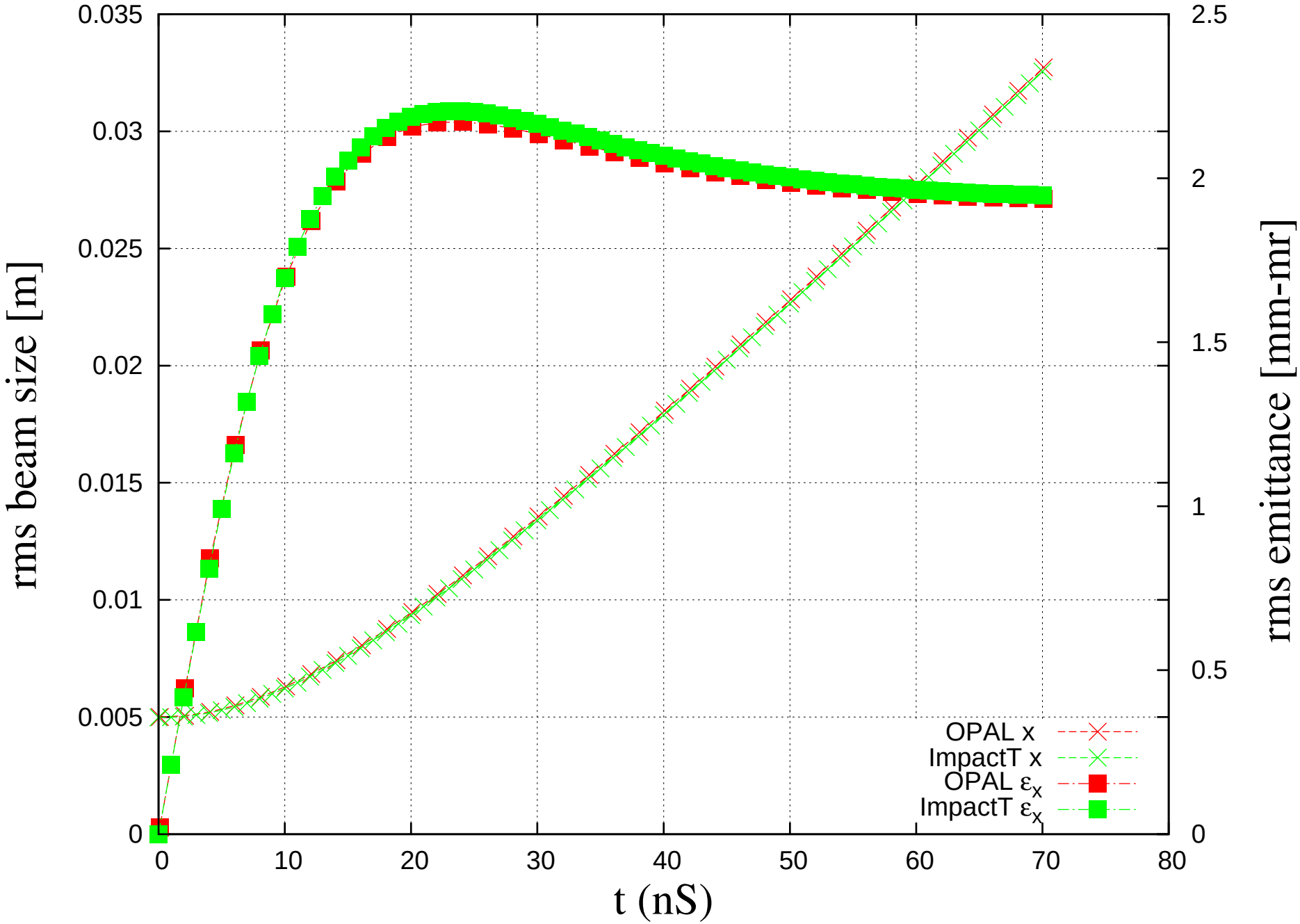
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2.5
2
1.5
1
0.5
0
0
10
20
30
40
50
60
70
80
rms beam size [m]
rms emittance [mm-mr]
t (nS)
OPAL x
ImpactT x
OPAL εx
ImpactT εx