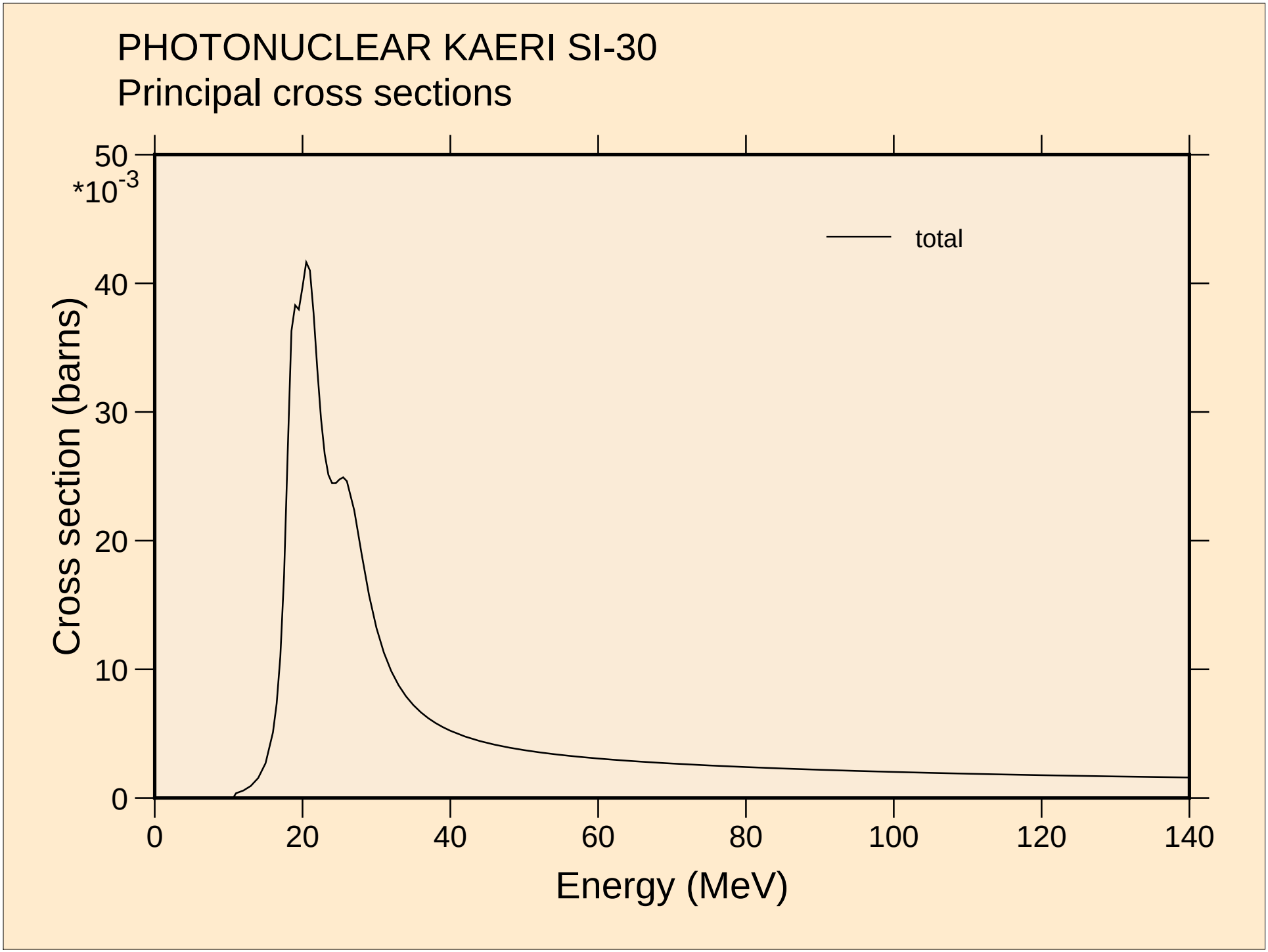
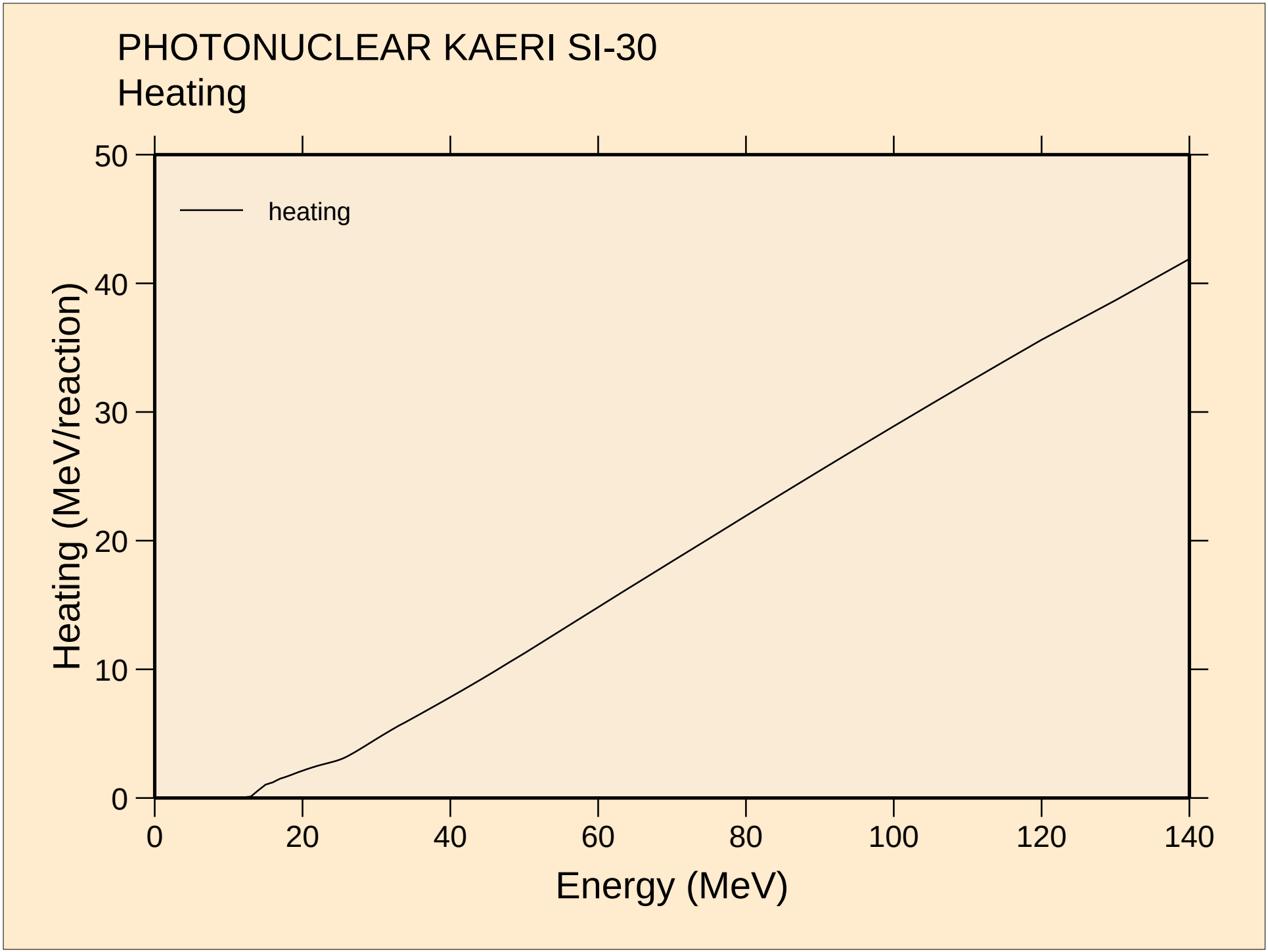
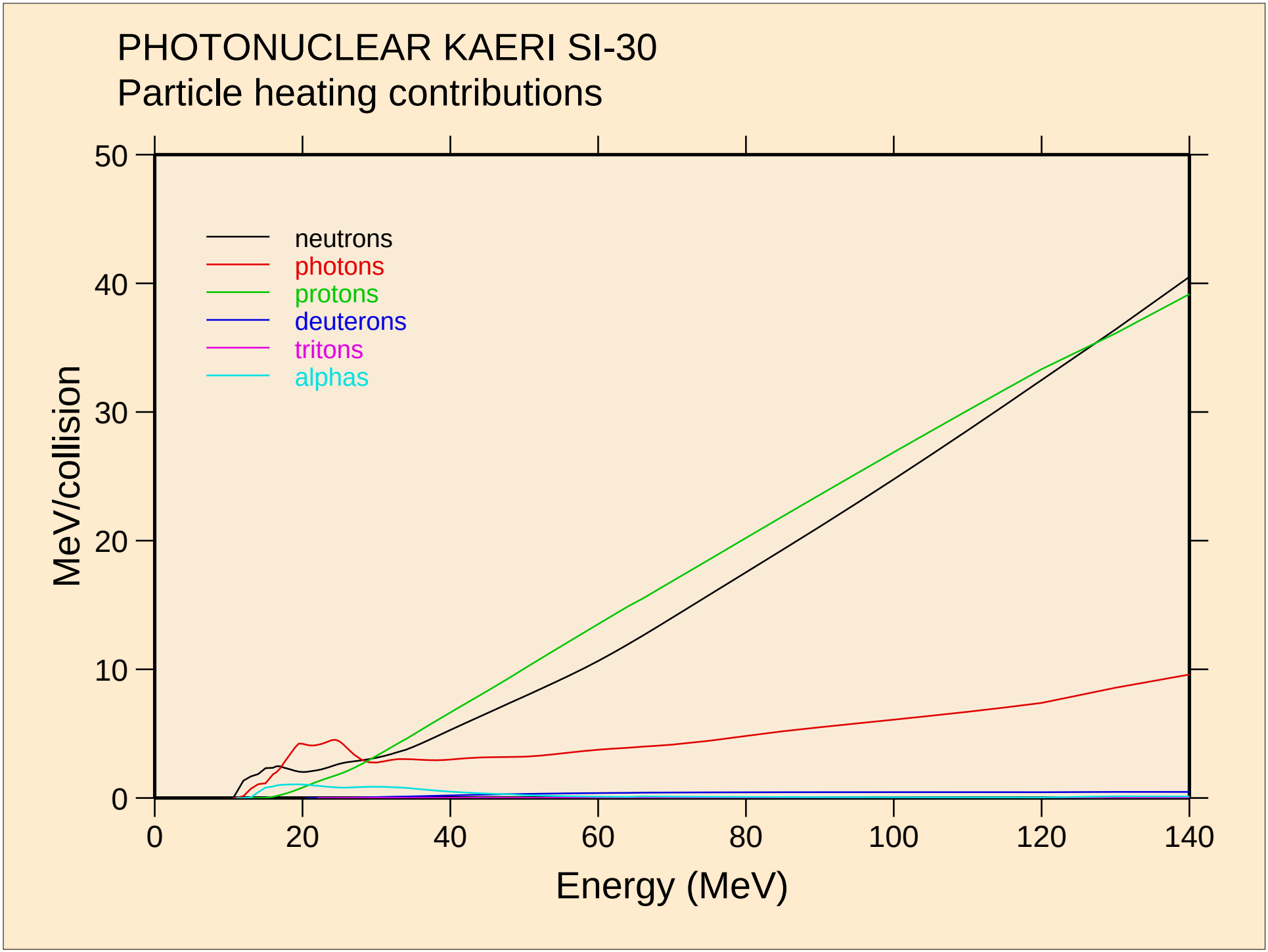
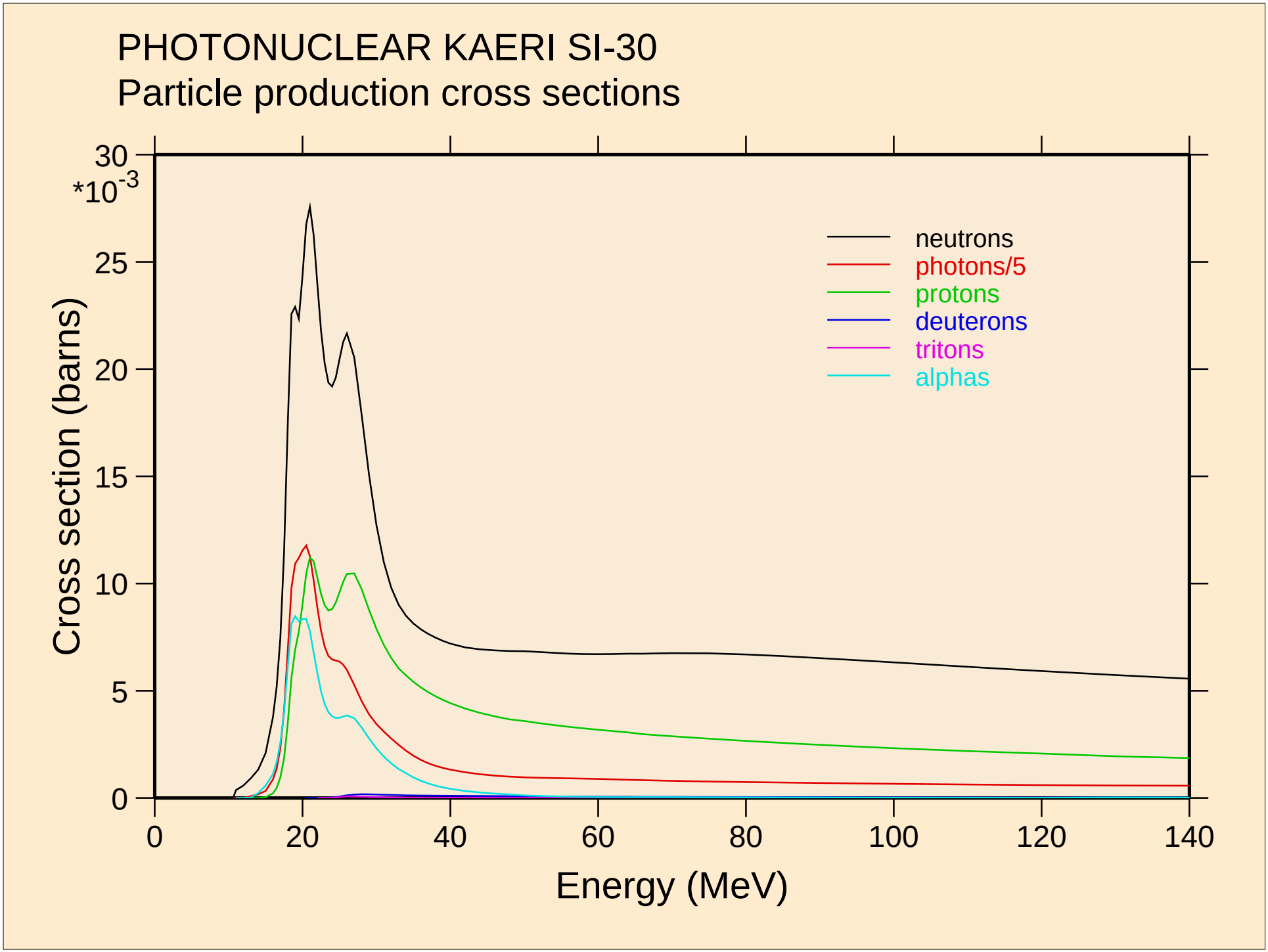
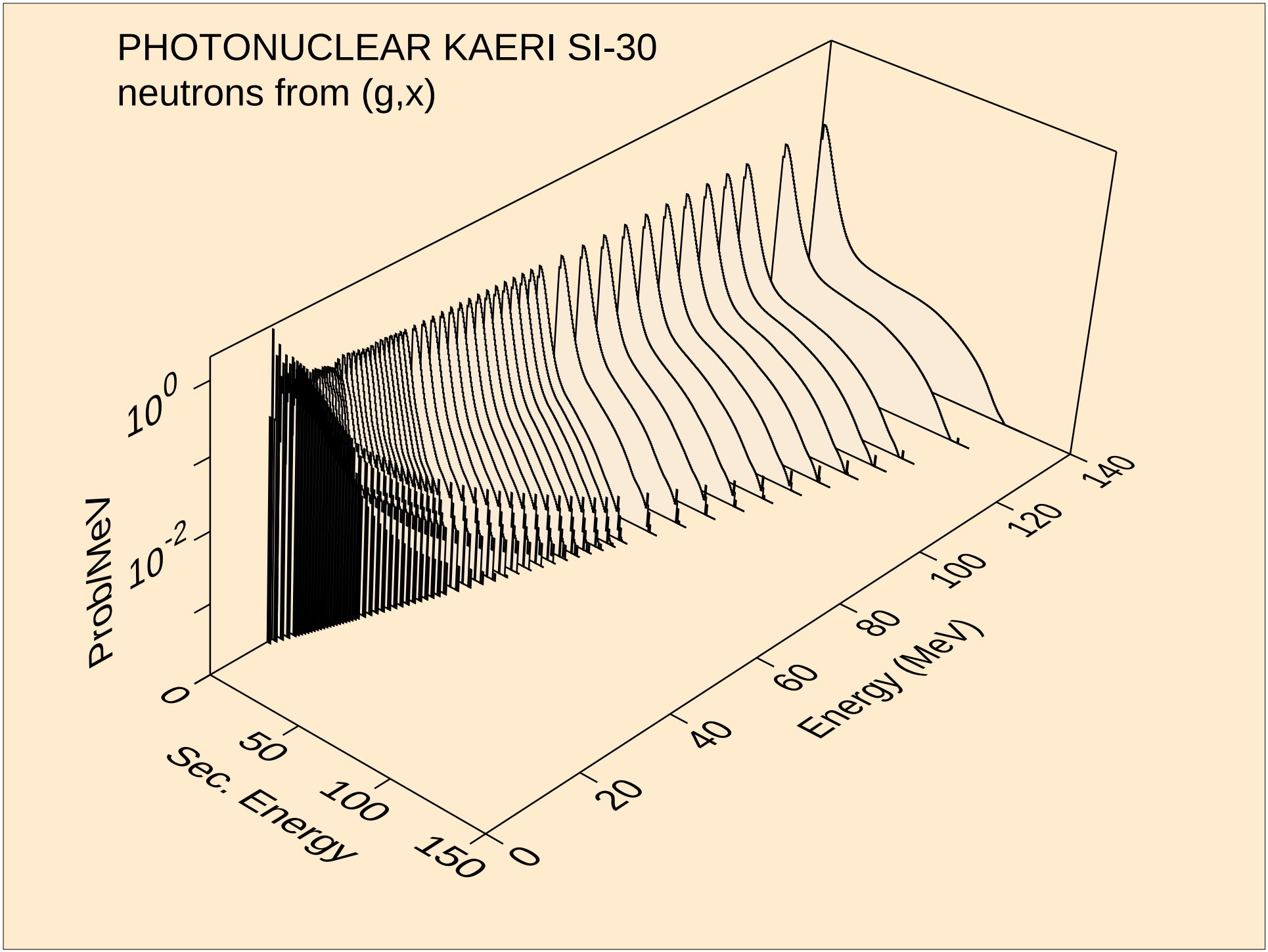
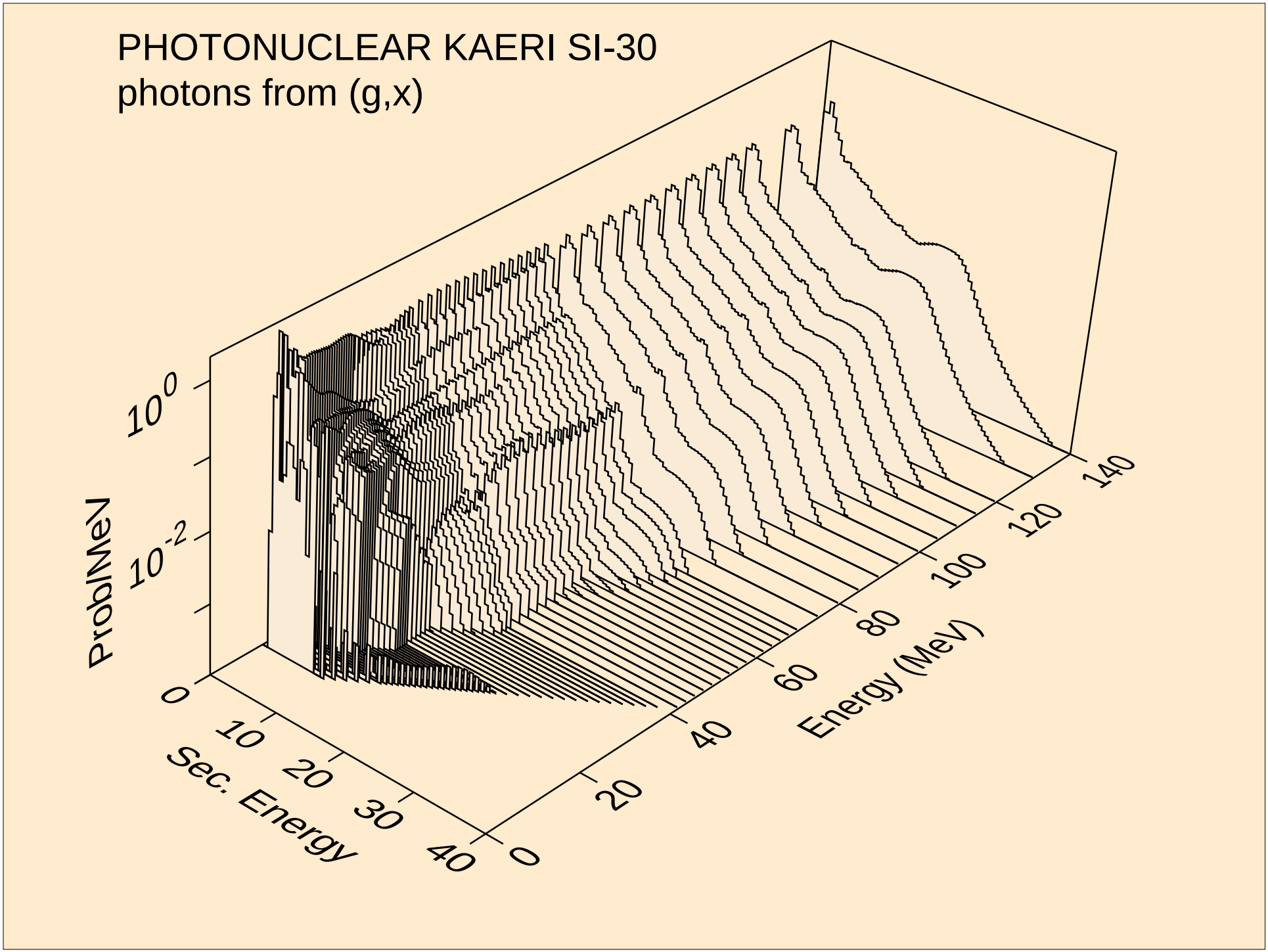

PHOTONUCLEAR KAERI SI-30
Principal cross sections
50
*10-3
40
30
20
10
0
Cross section (barns)
total
0
20
40
60
80
100
120
140
Energy (MeV)

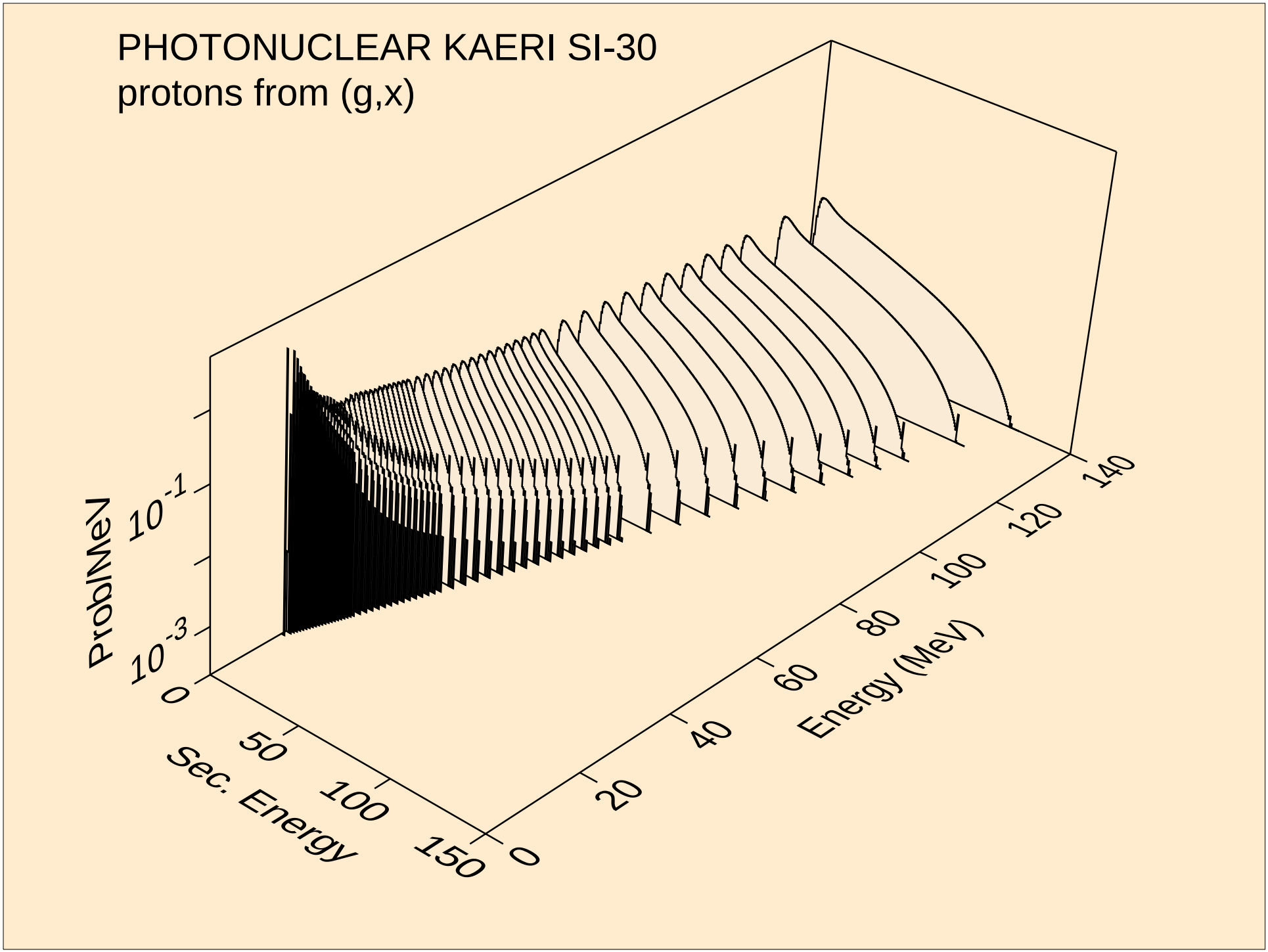

PHOTONUCLEAR KAERI SI-30
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
10
20
30
40
50
0
20
40
60
80
100
120
140

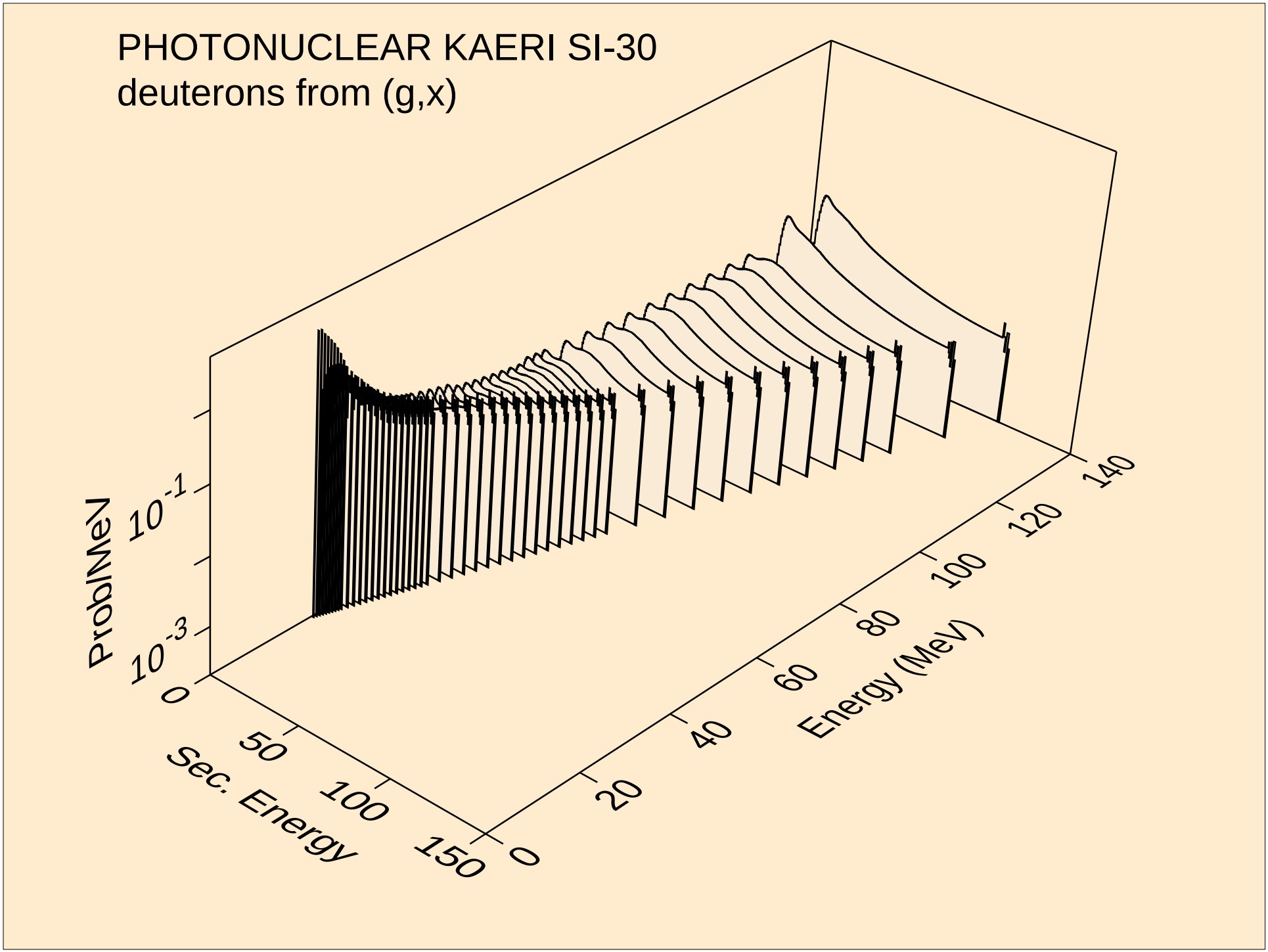

PHOTONUCLEAR KAERI SI-30
Particle heating contributions
neutrons
photons
protons
deuterons
tritons
alphas
MeV/collision
0
10
20
30
40
50
0
20
40
60
80
100
120
140
Energy (MeV)

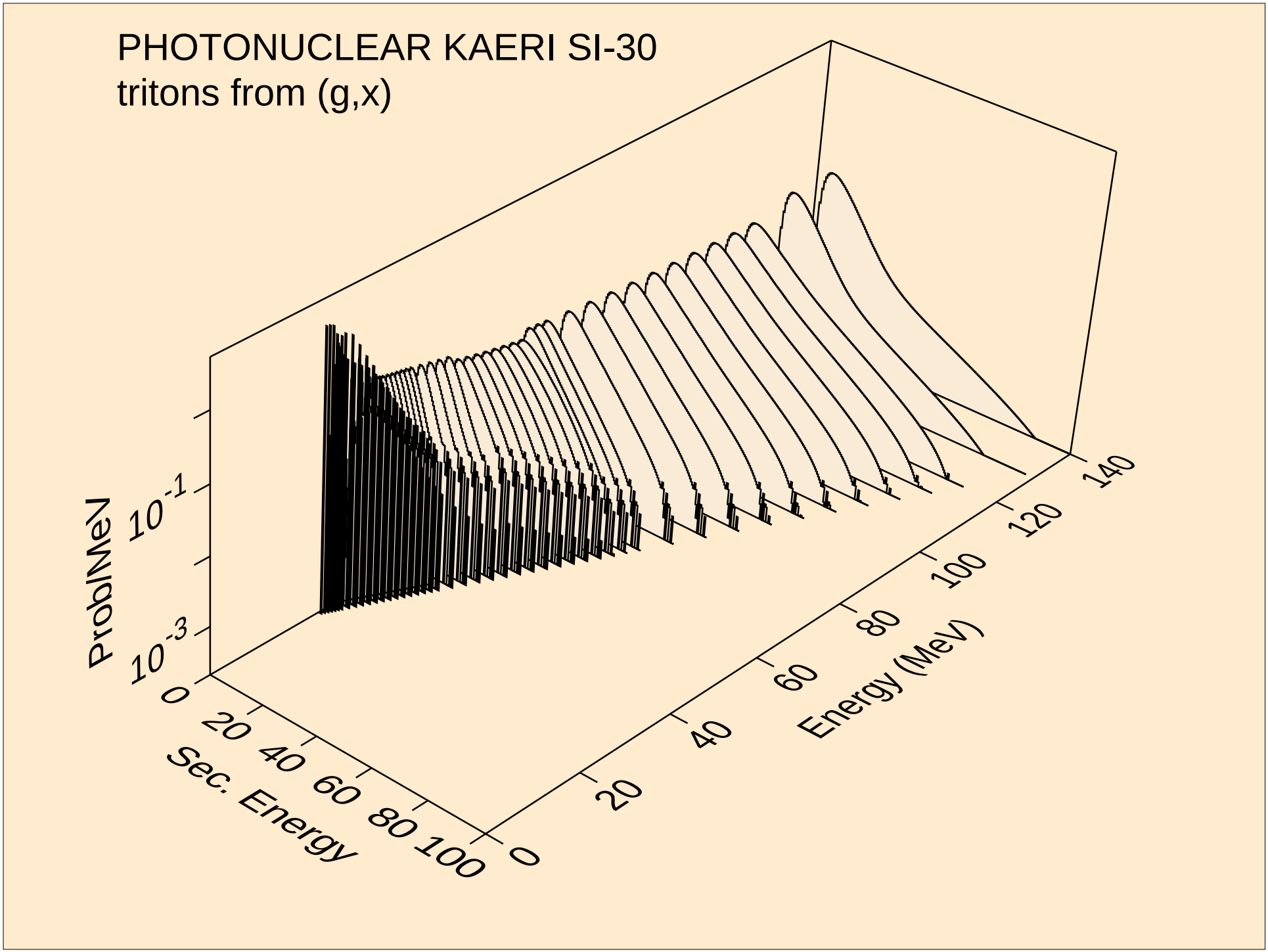

PHOTONUCLEAR KAERI SI-30
Particle production cross sections
Cross section (barns)
*10-3
30
25
20
15
10
5
0
0
20
40
60
80
100
120
140
Energy (MeV)
neutrons
photons/5
protons
deuterons
tritons
alphas

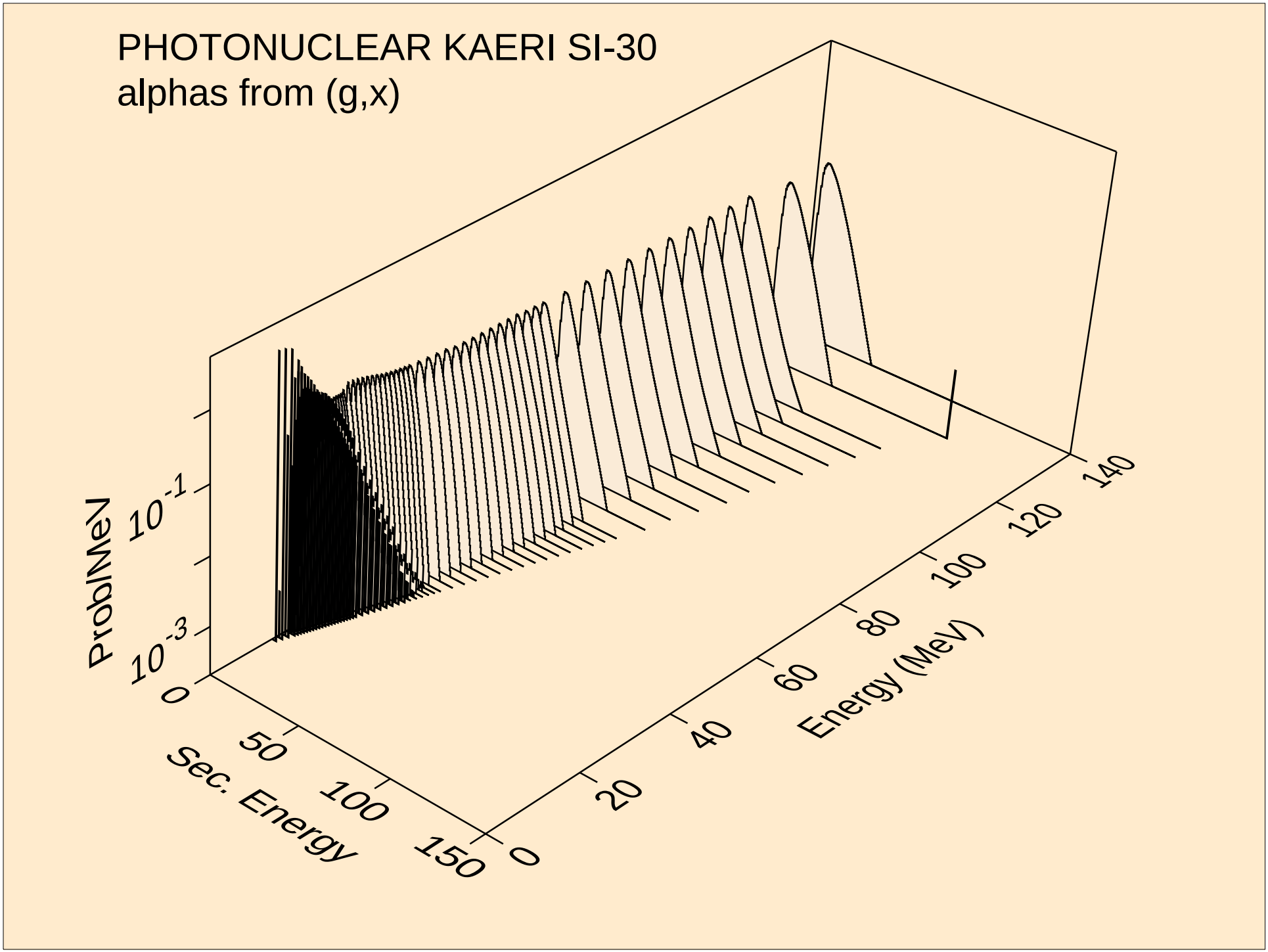

PHOTONUCLEAR KAERI SI-30
neutrons from (g,x)
Prob/MeV
10^{0}
10^{-2}
0
50
100
150
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI SI-30
photons from (g,x)
Prob/MeV
10^0
10^-2
0
10
20
30
40
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI SI-30
protons from (g,x)
Prob/MeV
10-1
10-3
0
50
100
150
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI SI-30
deuterons from (g,x)
Prob/MeV
10-1
10-3
0
50
100
150
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI SI-30
tritons from (g,x)
Prob/MeV
10-1
10-3
0
20
40
60
80
100
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI SI-30
alphas from (g,x)
Prob/MeV
10-1
10-3
0
50
100
150
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)