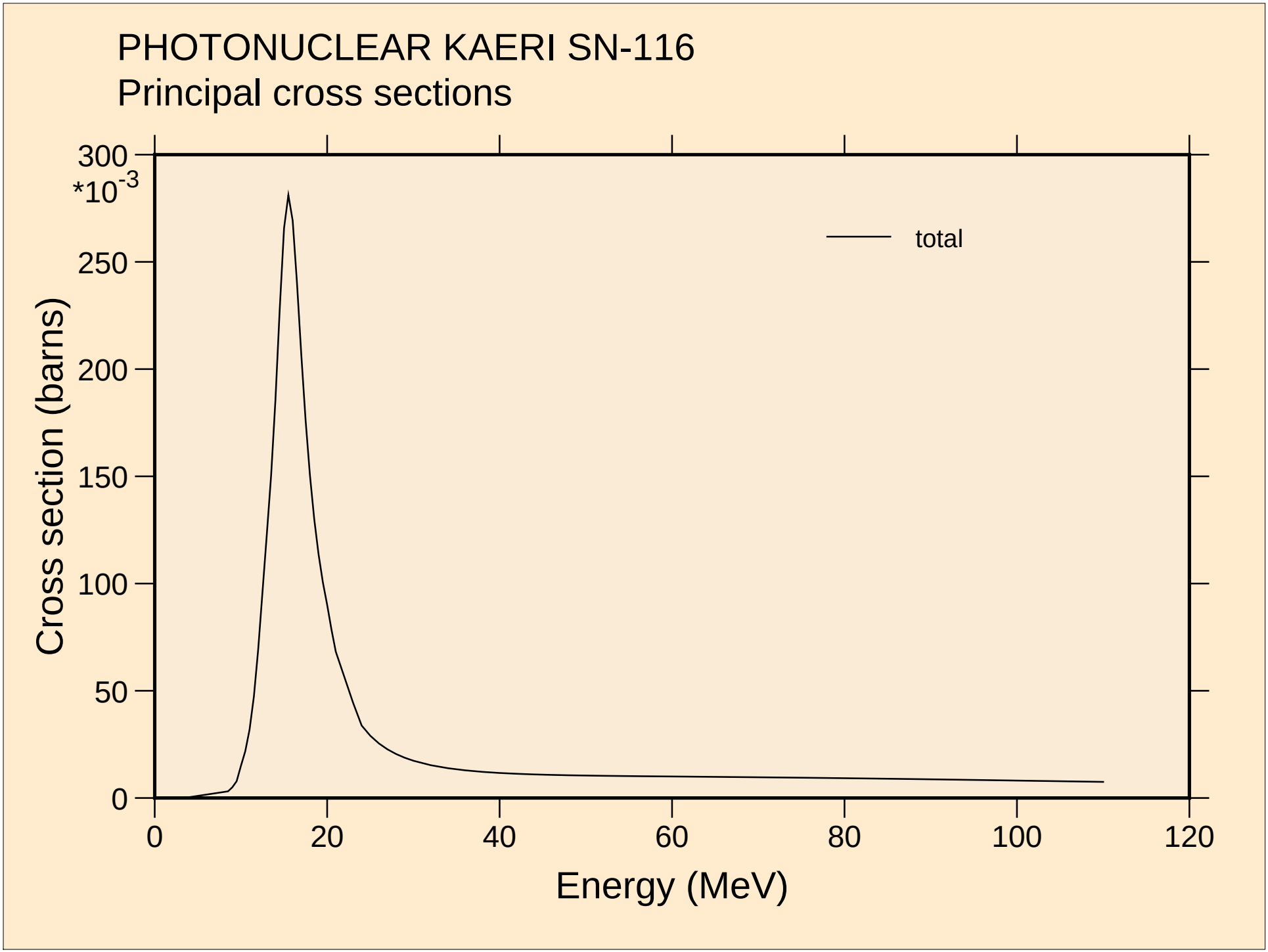
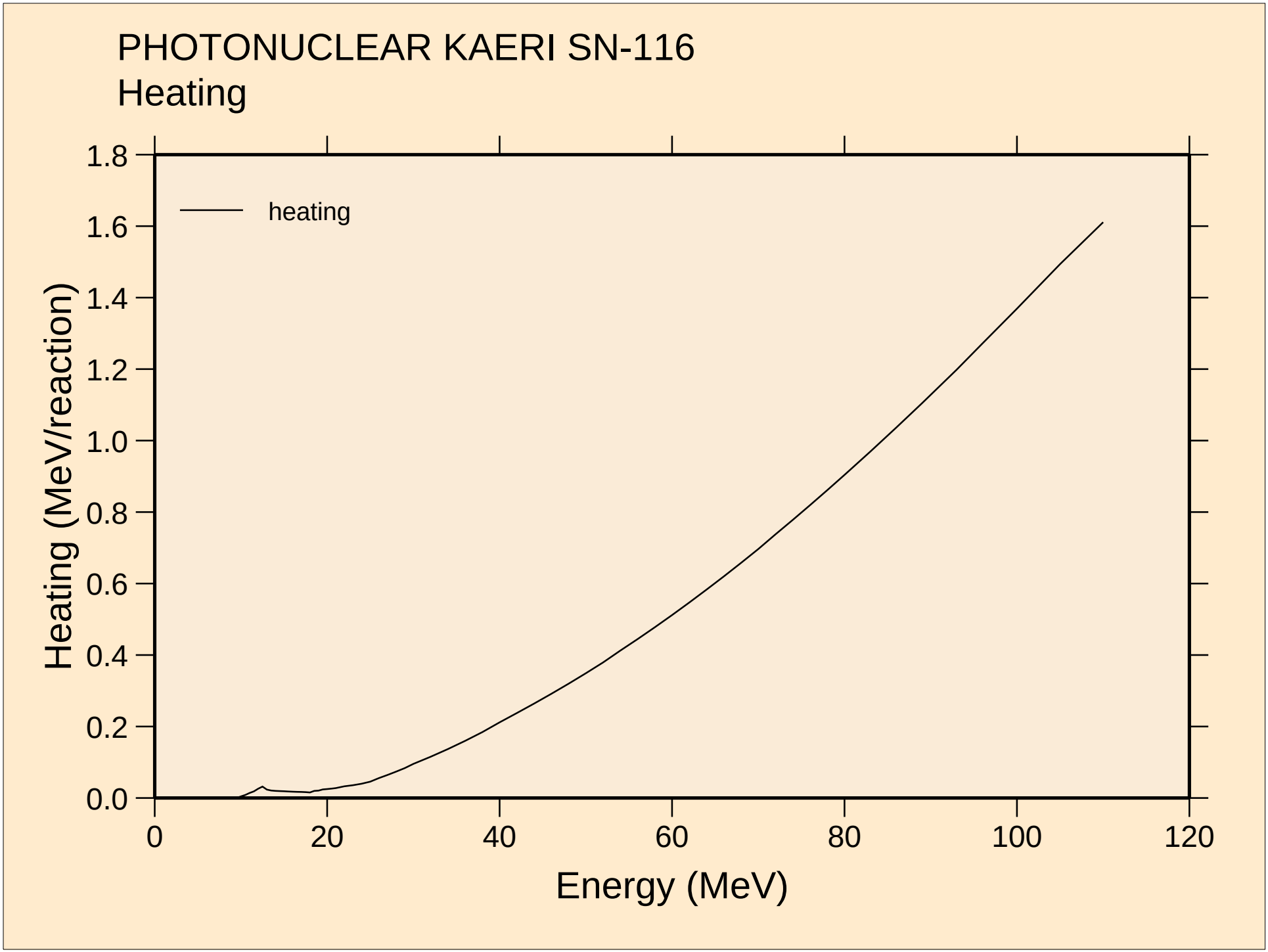
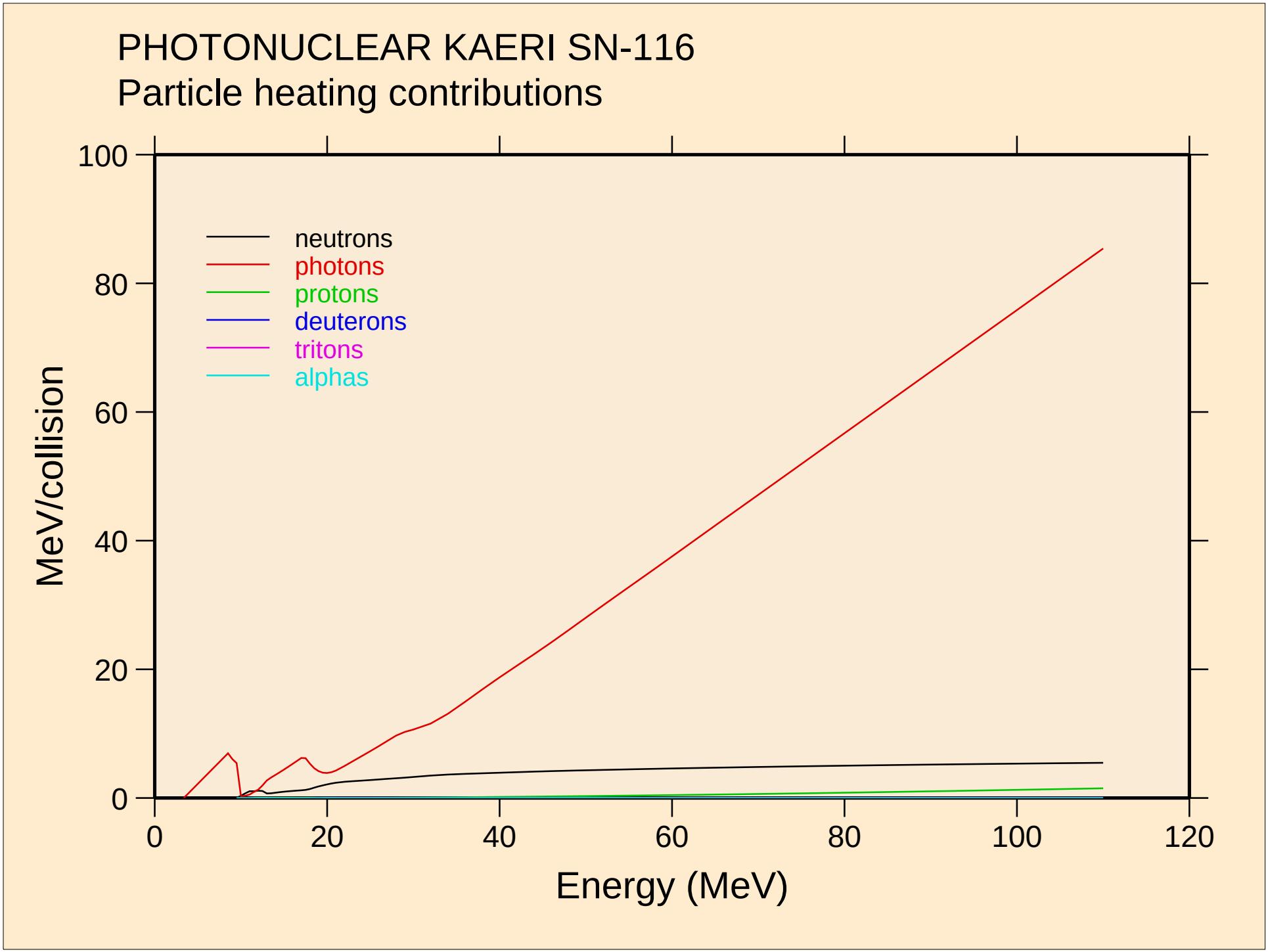
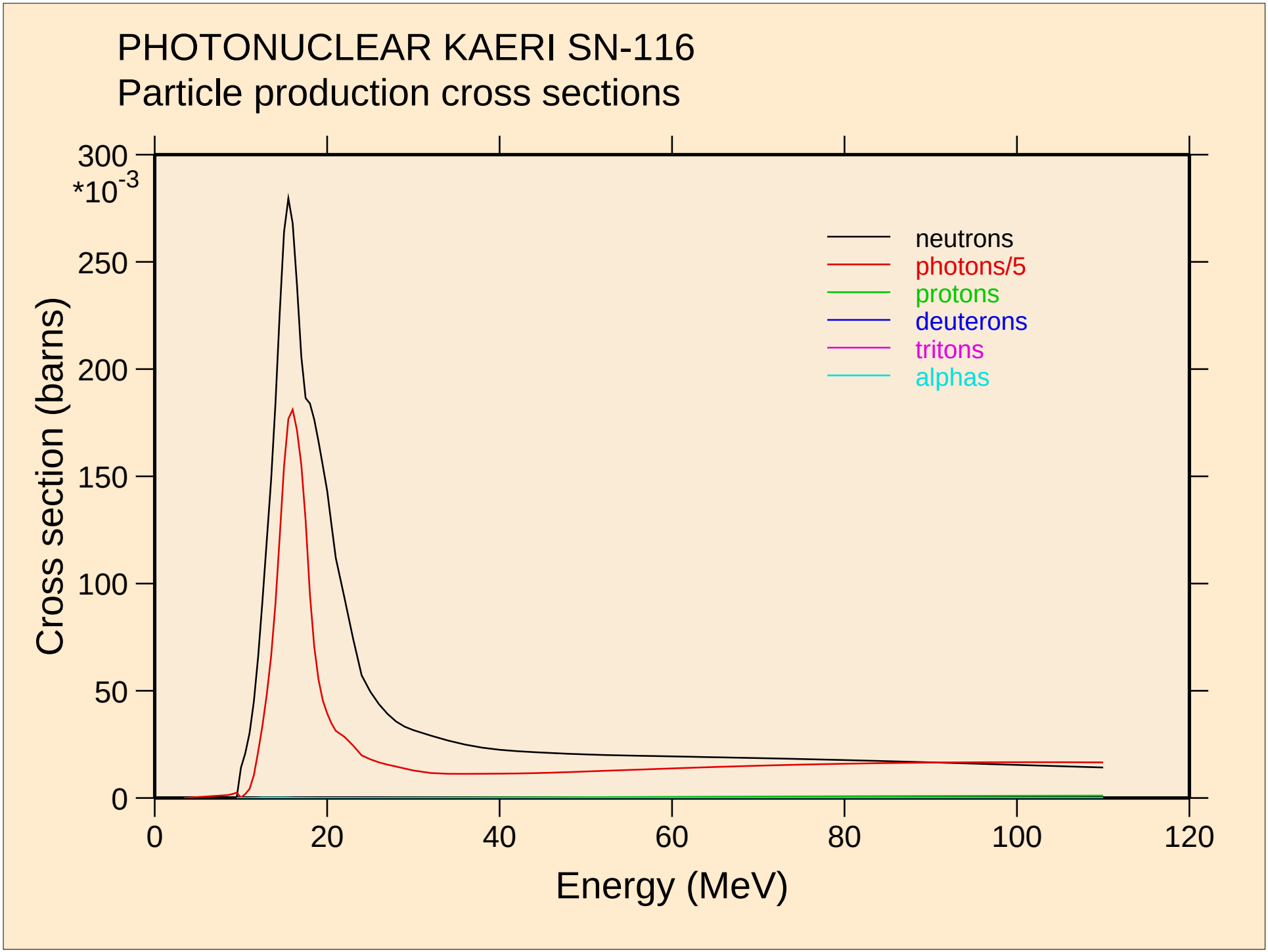
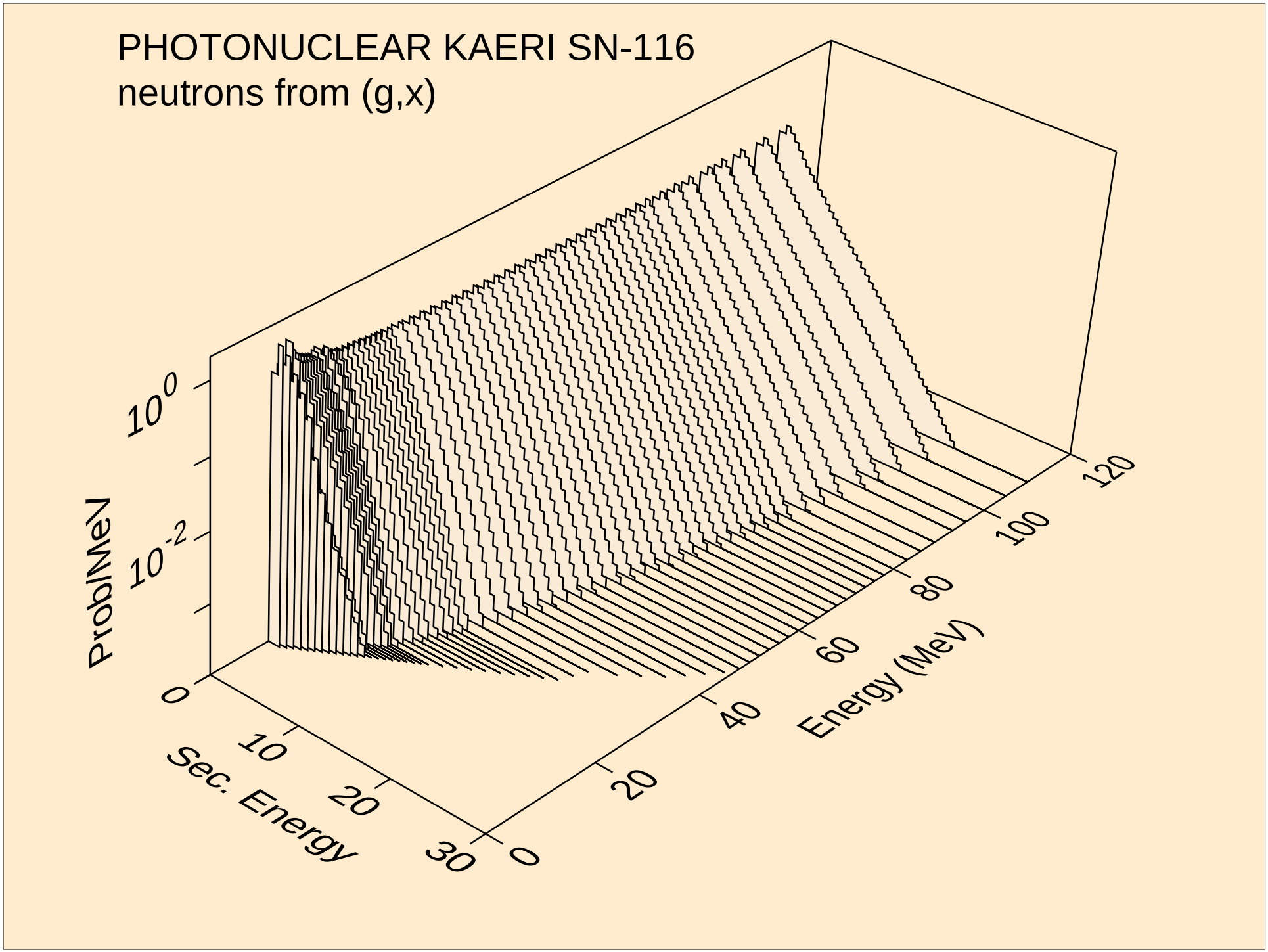
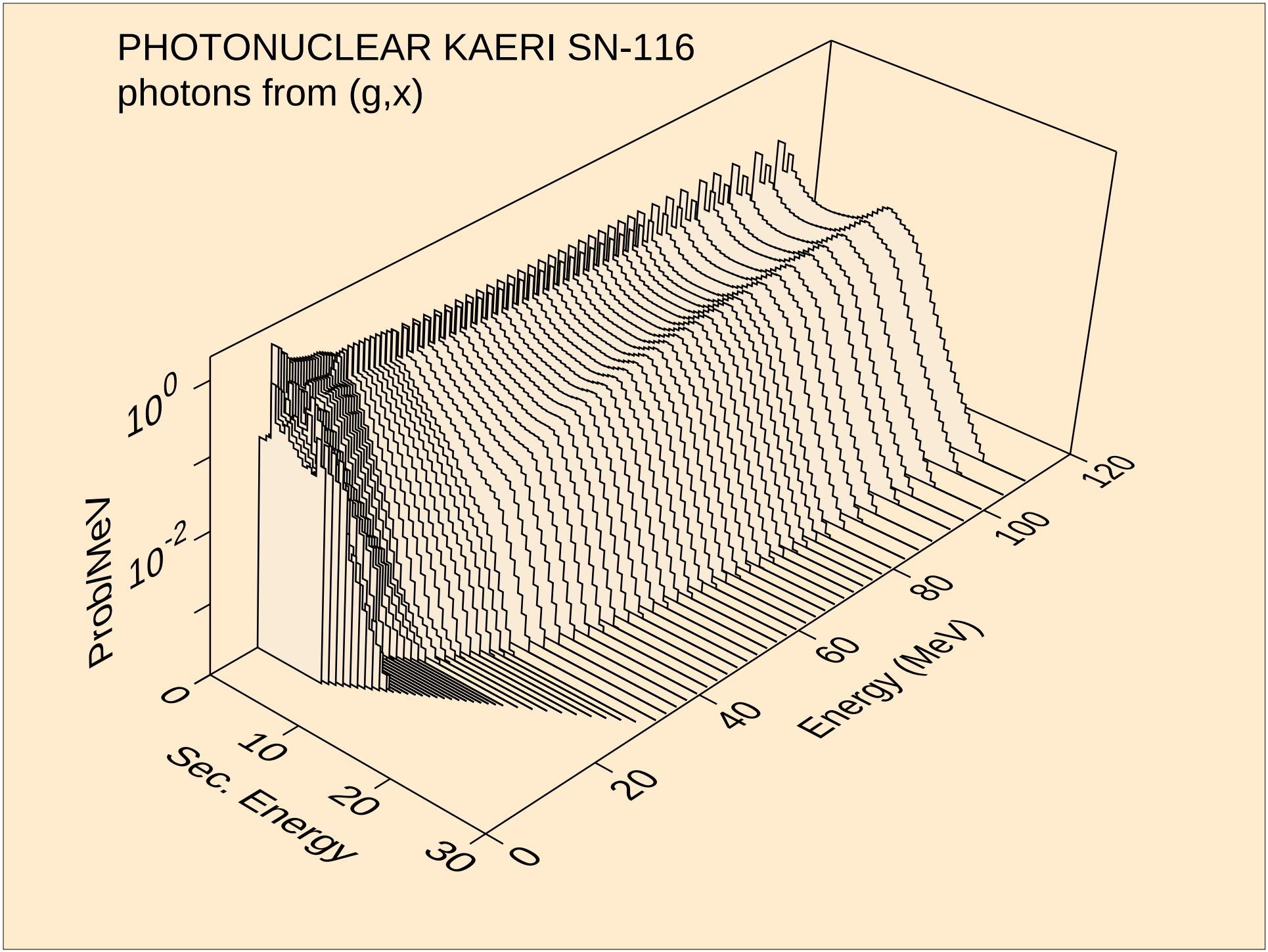

PHOTONUCLEAR KAERI SN-116
Principal cross sections
Cross section (barns)
*10-3
300
250
200
150
100
50
0
0
20
40
60
80
100
120
Energy (MeV)
total

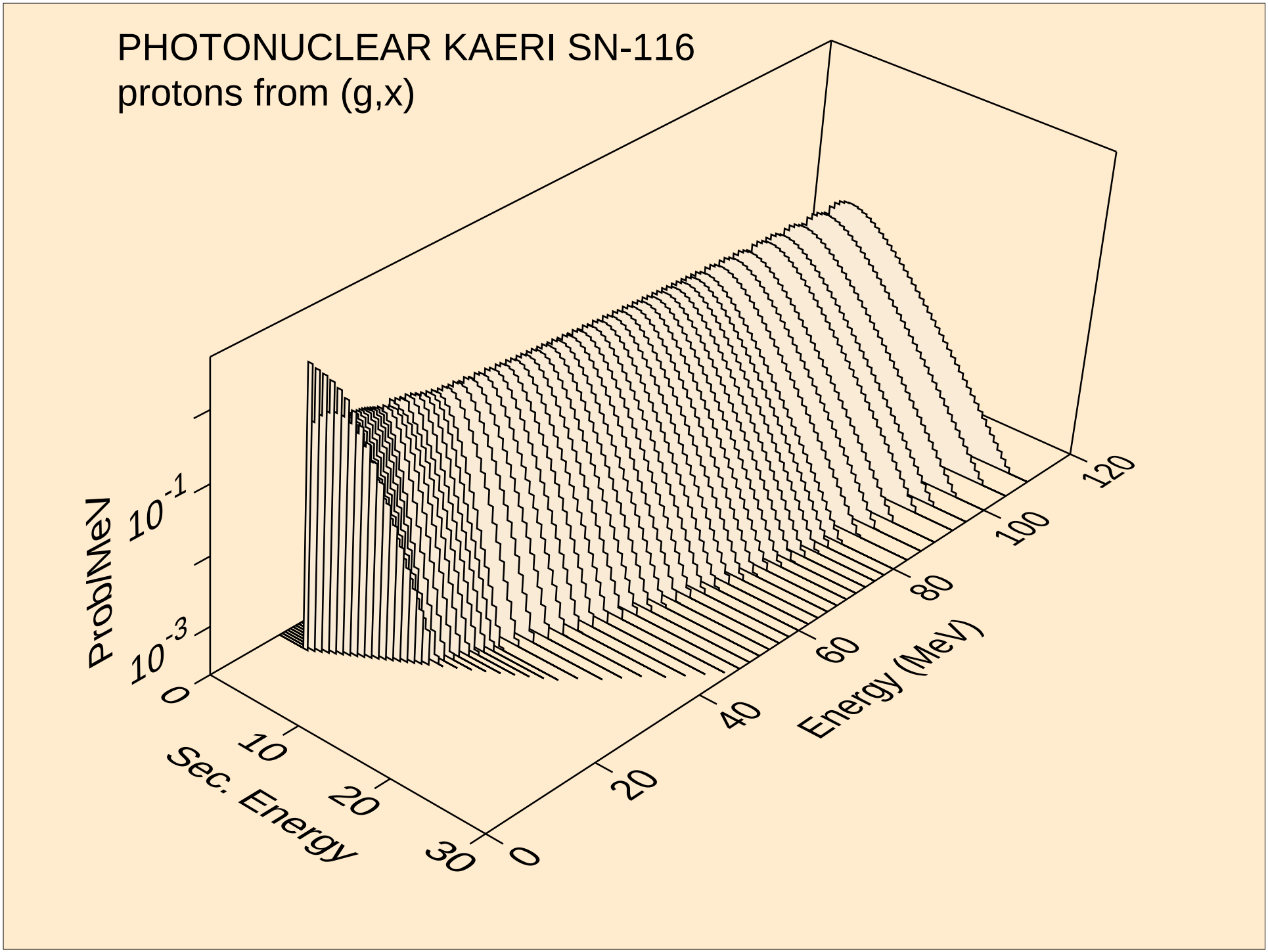

PHOTONUCLEAR KAERI SN-116
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
20
40
60
80
100
120

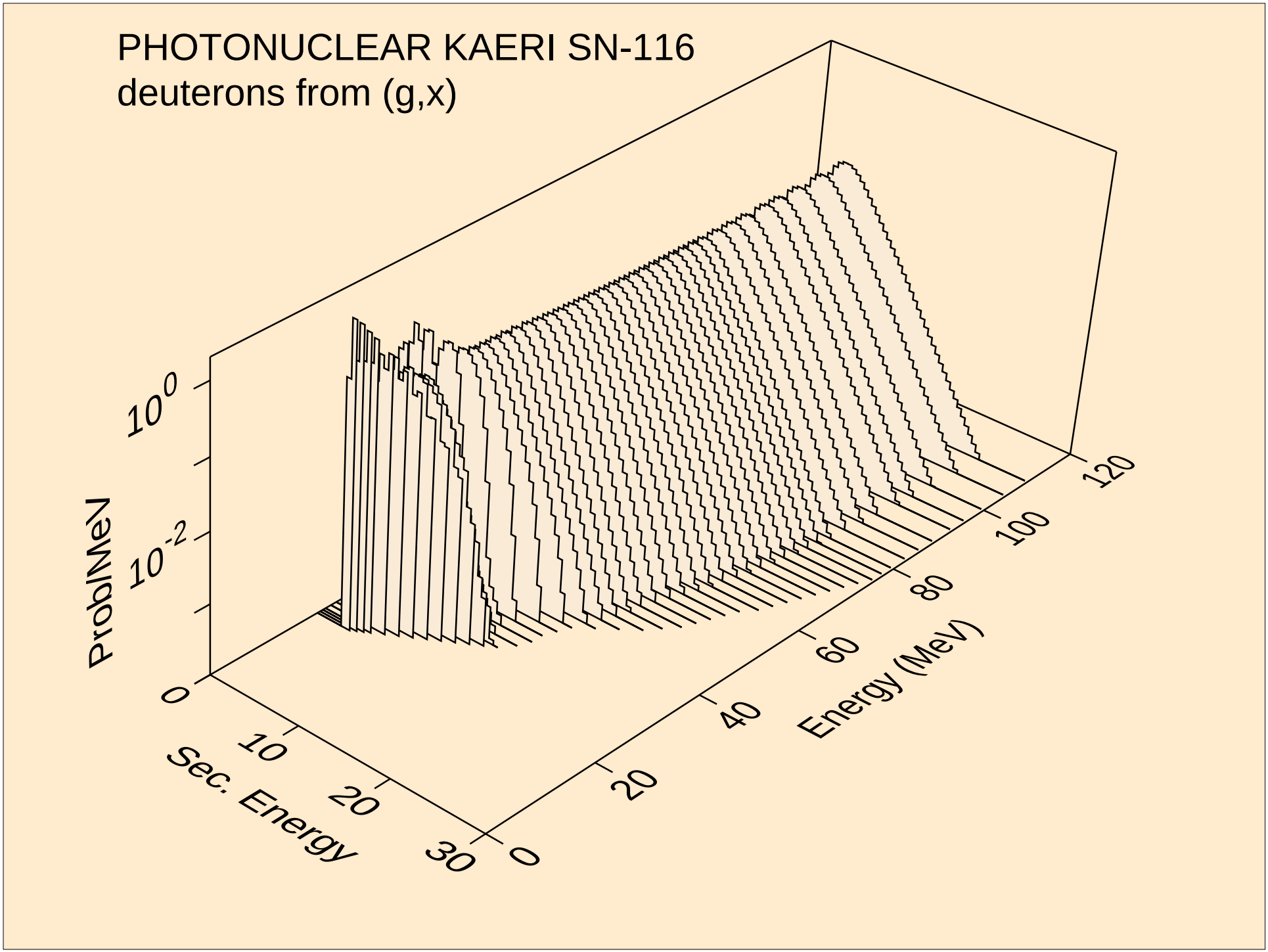

PHOTONUCLEAR KAERI SN-116
Particle heating contributions
neutrons
photons
protons
deuterons
tritons
alphas
MeV/collision
Energy (MeV)
0
20
40
60
80
100
120

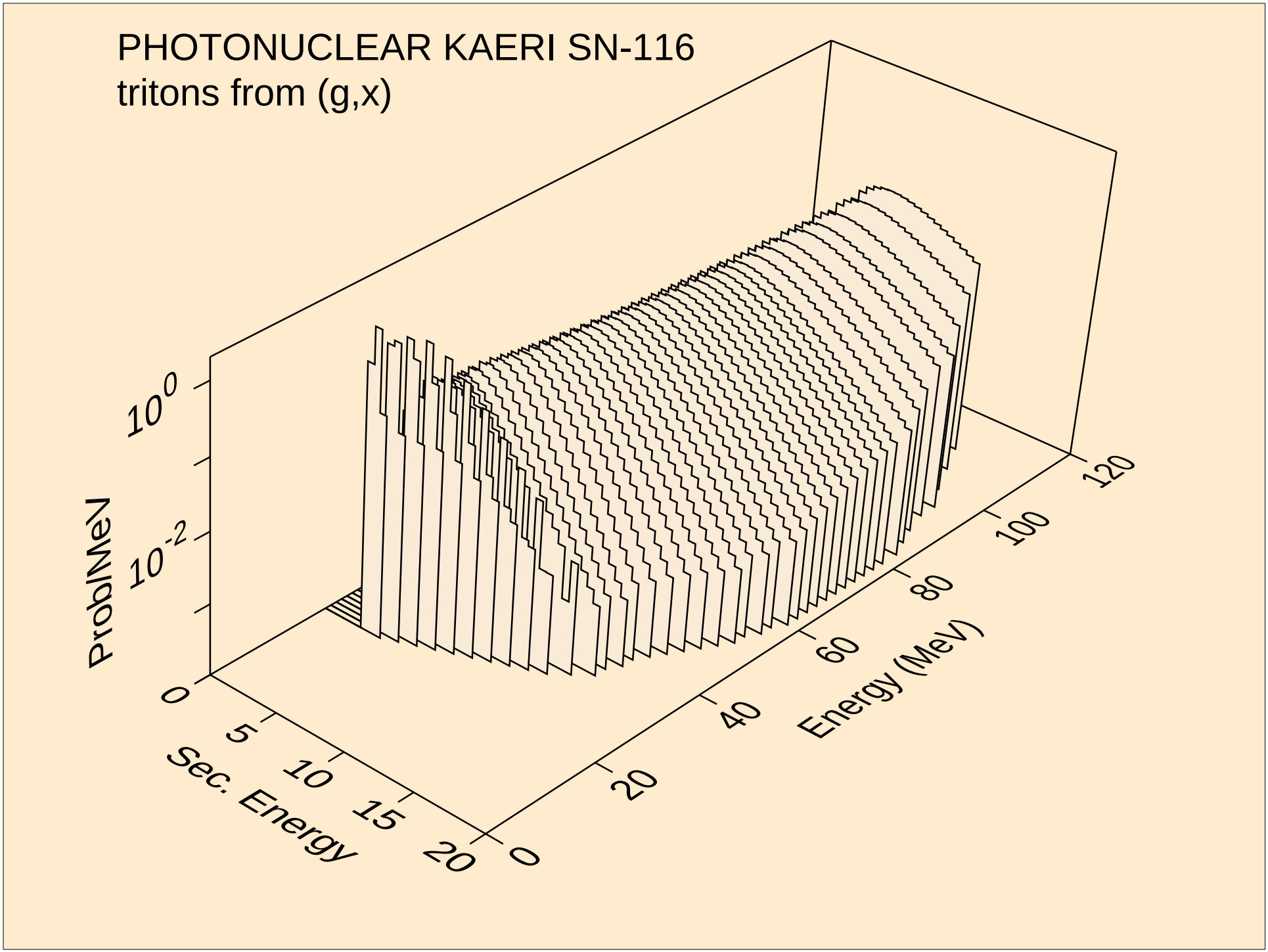

PHOTONUCLEAR KAERI SN-116
Particle production cross sections
Cross section (barns)
*10-3
300
250
200
150
100
50
0
0
20
40
60
80
100
120
Energy (MeV)
neutrons
photons/5
protons
deuterons
tritons
alphas

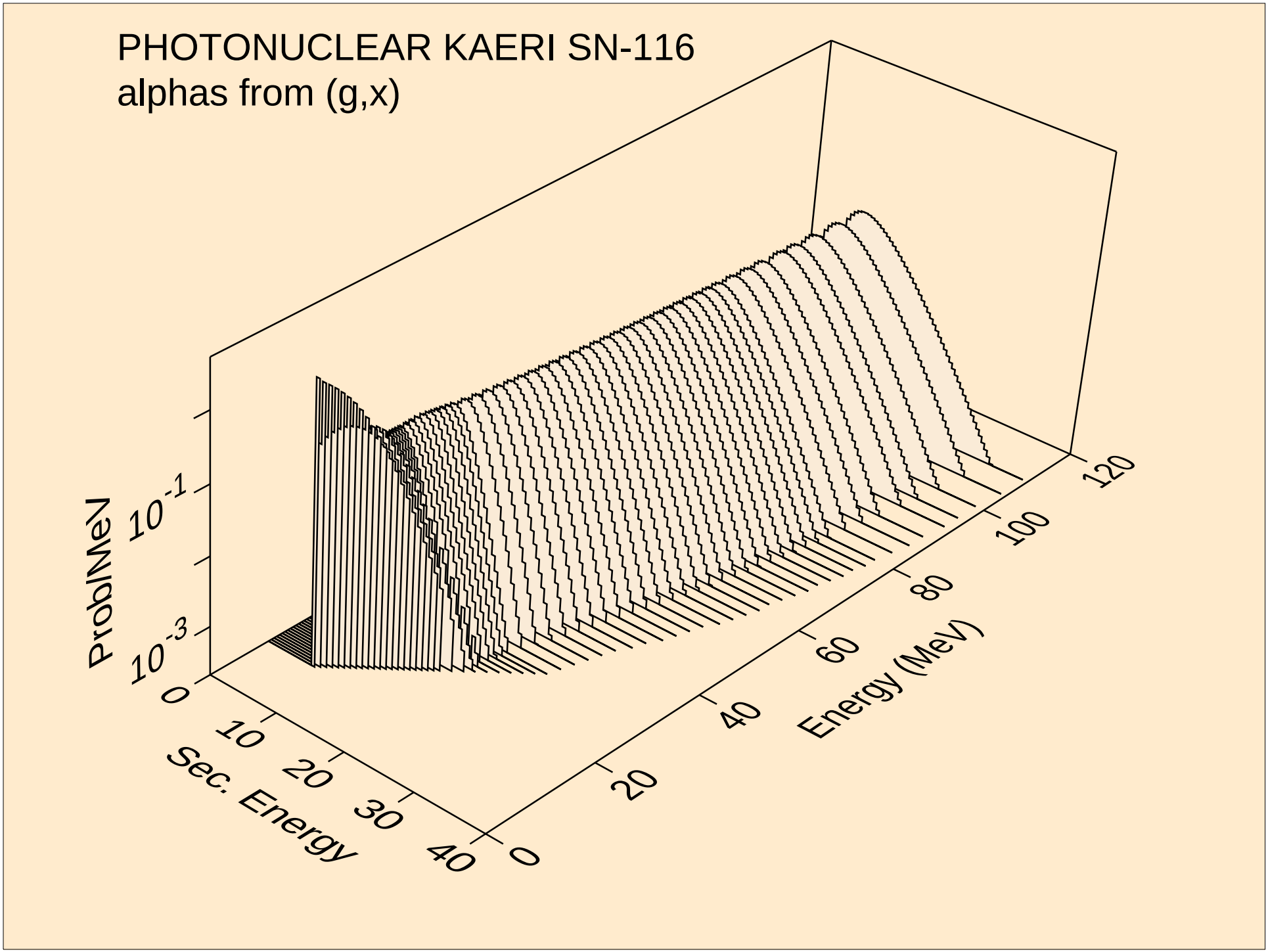

PHOTONUCLEAR KAERI SN-116
neutrons from (g,x)
Prob/MeV
10^0
10^-2
0
10
20
30
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)


PHOTONUCLEAR KAERI SN-116
photons from (g,x)
Prob/MeV
10^0
10^-2
0
10
20
30
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)


PHOTONUCLEAR KAERI SN-116
protons from (g,x)
Prob/MeV
10-1
10-3
0
10
20
30
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)


PHOTONUCLEAR KAERI SN-116
deuterons from (g,x)
Prob/MeV
10^0
10^-2
0
10
20
30
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)


PHOTONUCLEAR KAERI SN-116
tritons from (g,x)
Prob/MeV
10^0
10^-2
0
5
10
15
20
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)


PHOTONUCLEAR KAERI SN-116
alphas from (g,x)
Prob/MeV
10-1
10-3
0
10
20
30
40
Sec. Energy
0
20
40
60
80
100
120
Energy (MeV)