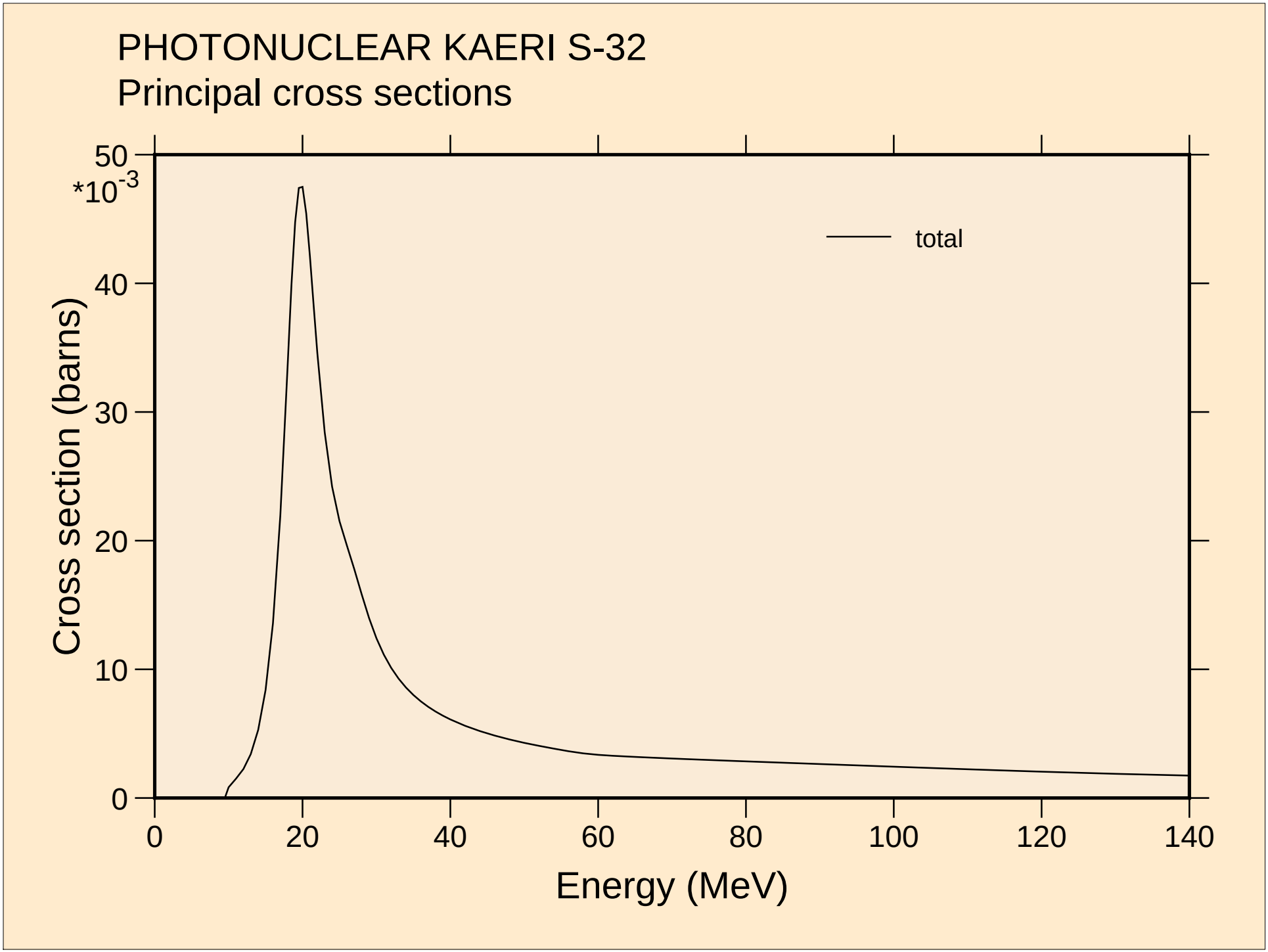
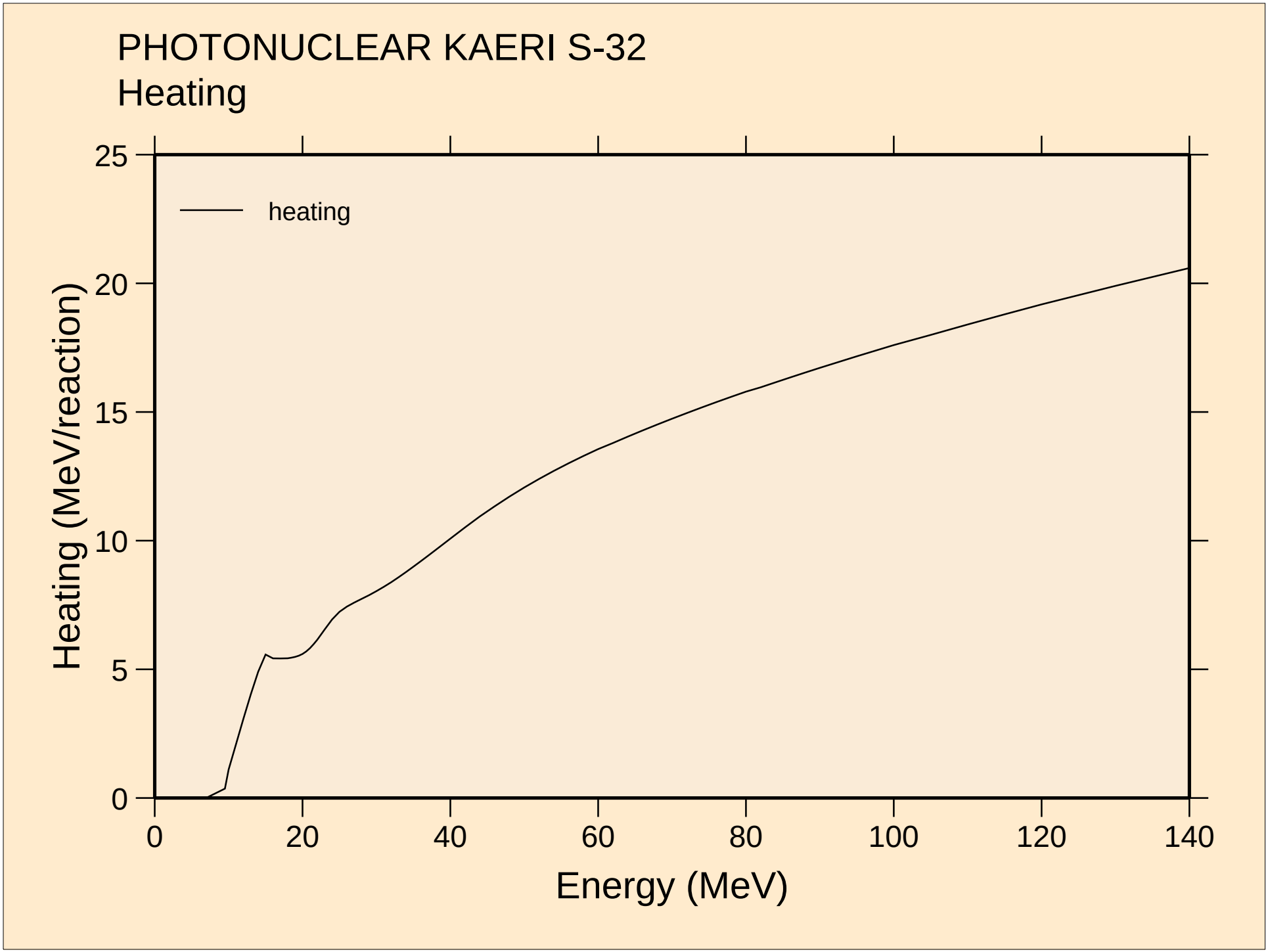
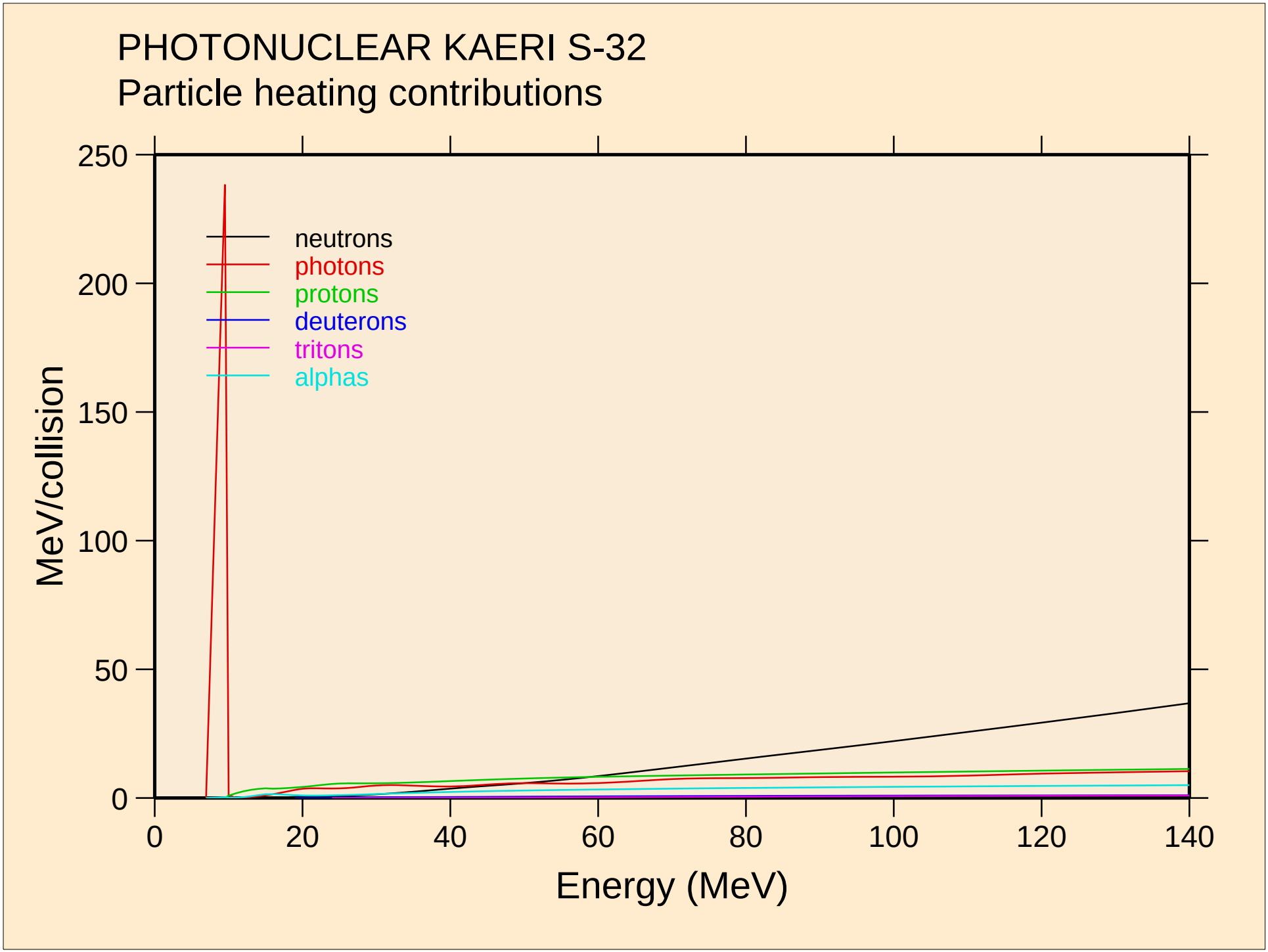
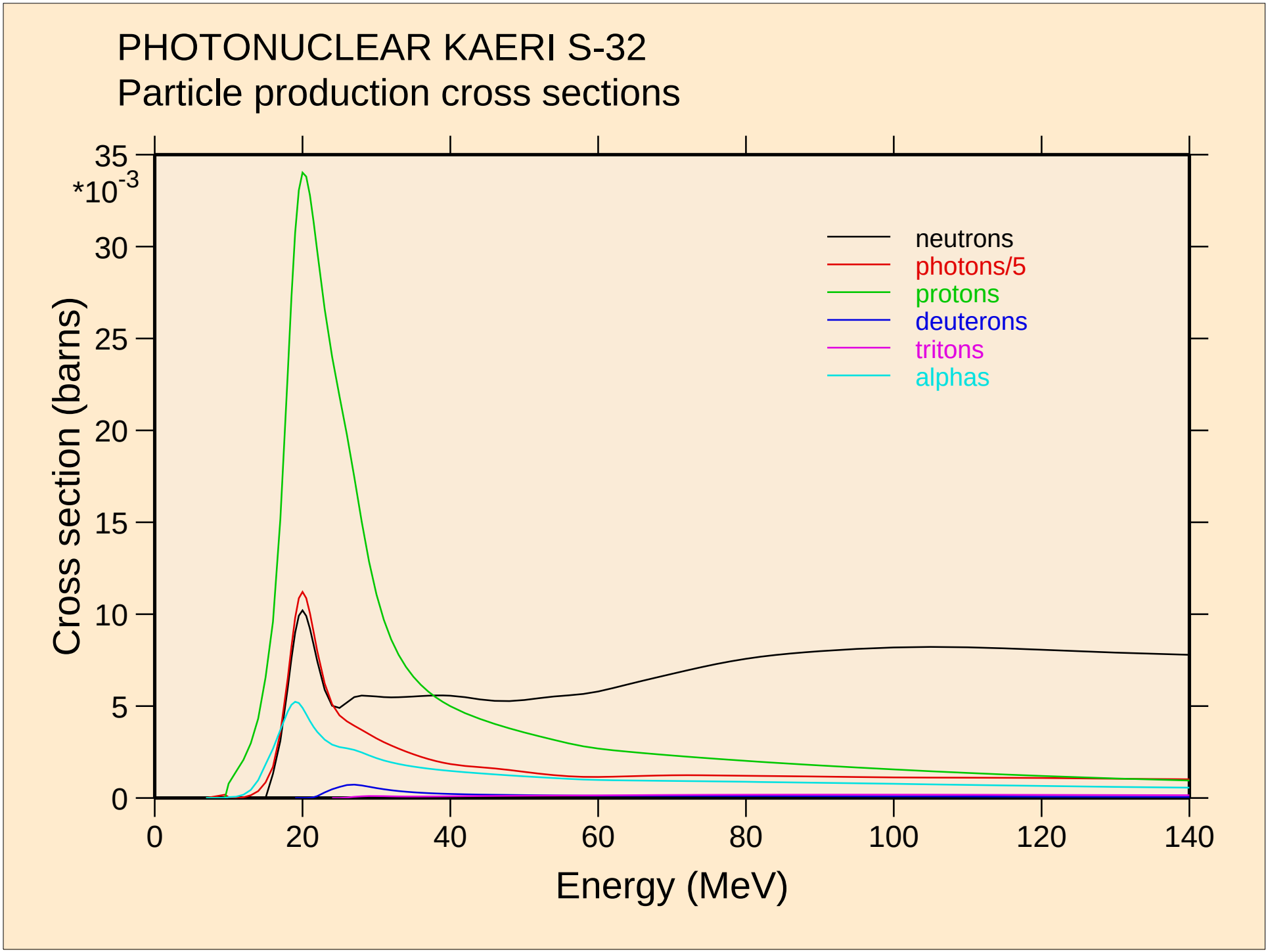
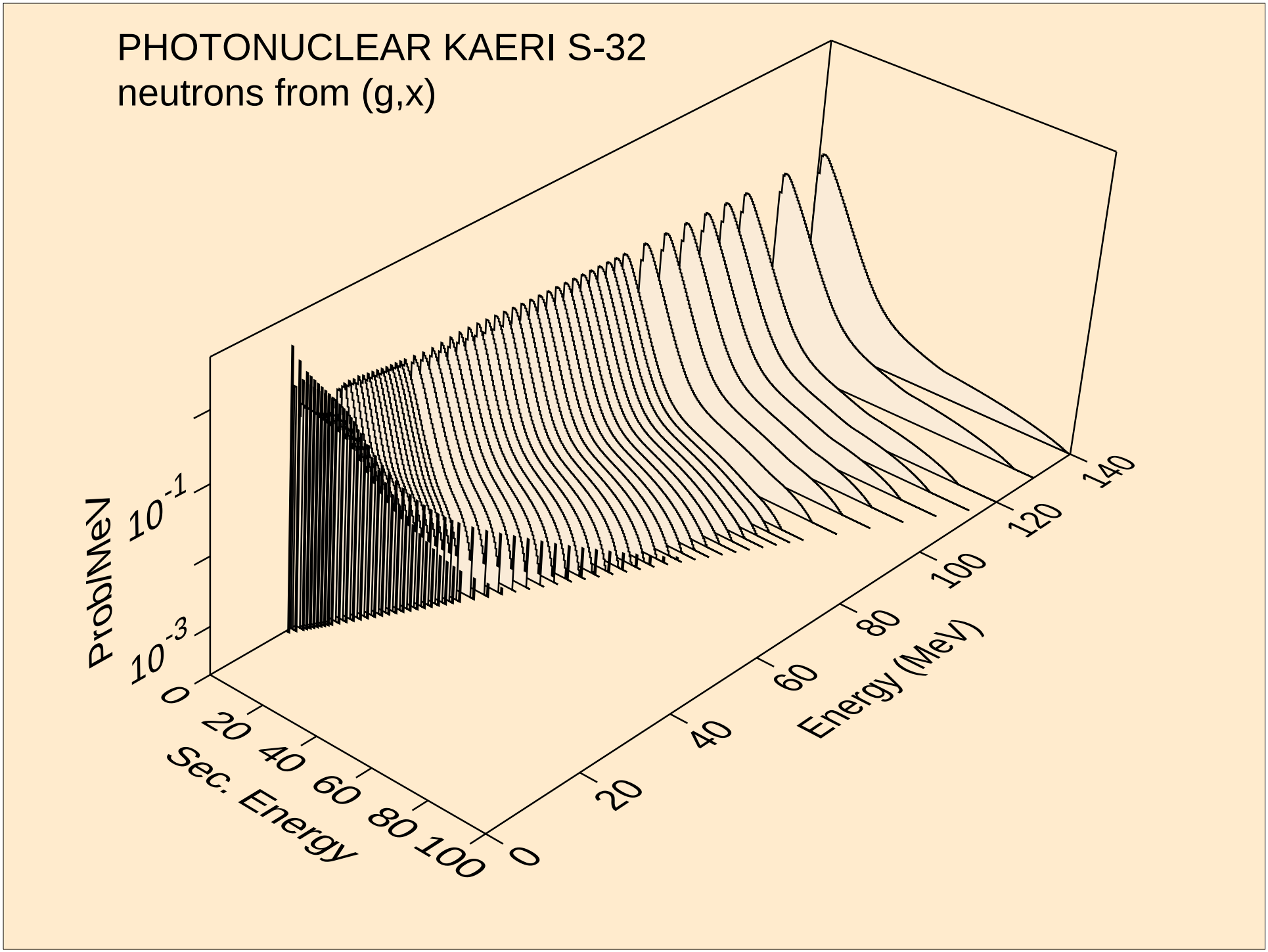
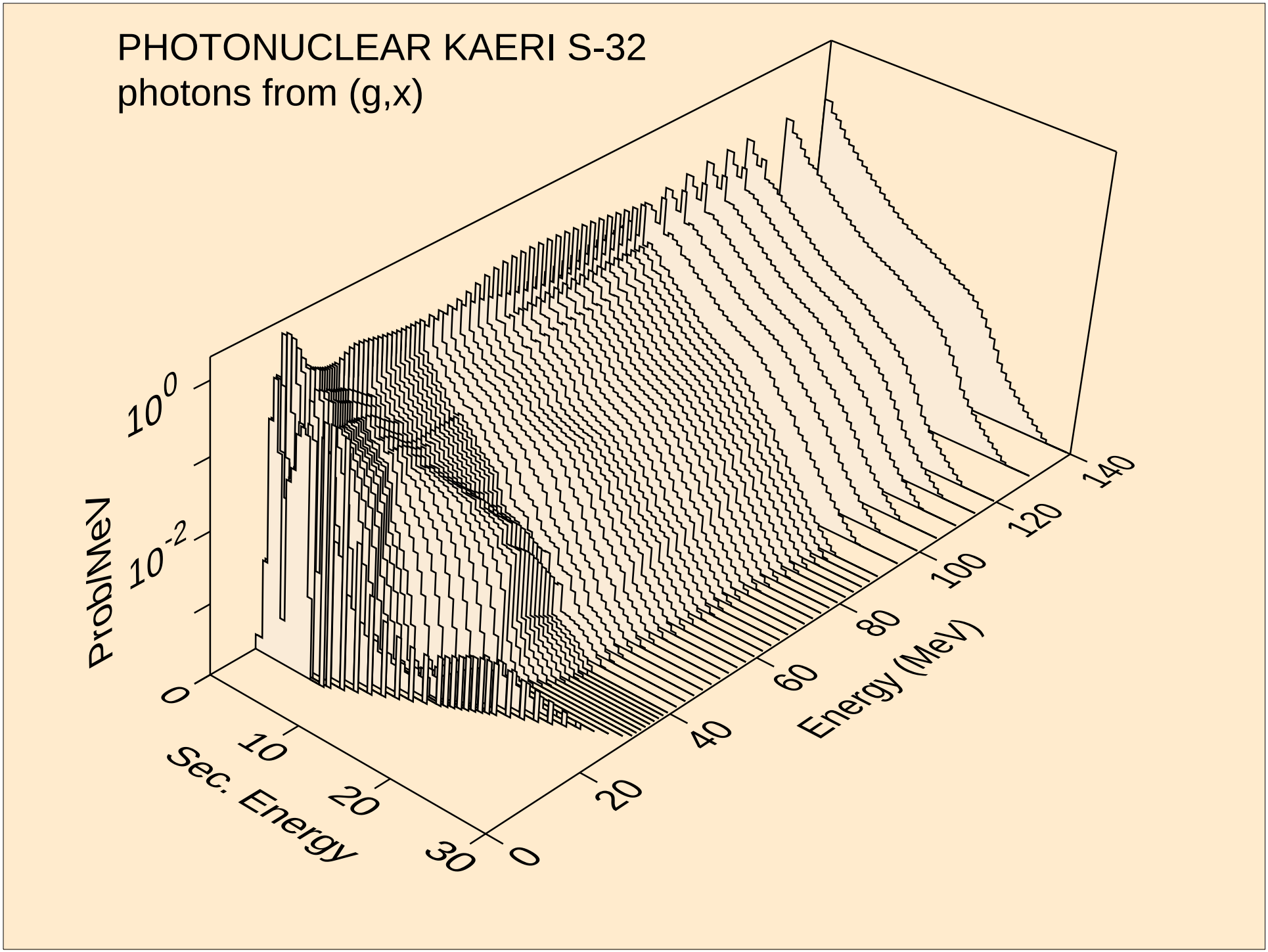

PHOTONUCLEAR KAERI S-32
Principal cross sections
50
*10-3
40
30
20
10
0
Cross section (barns)
total
0
20
40
60
80
100
120
140
Energy (MeV)

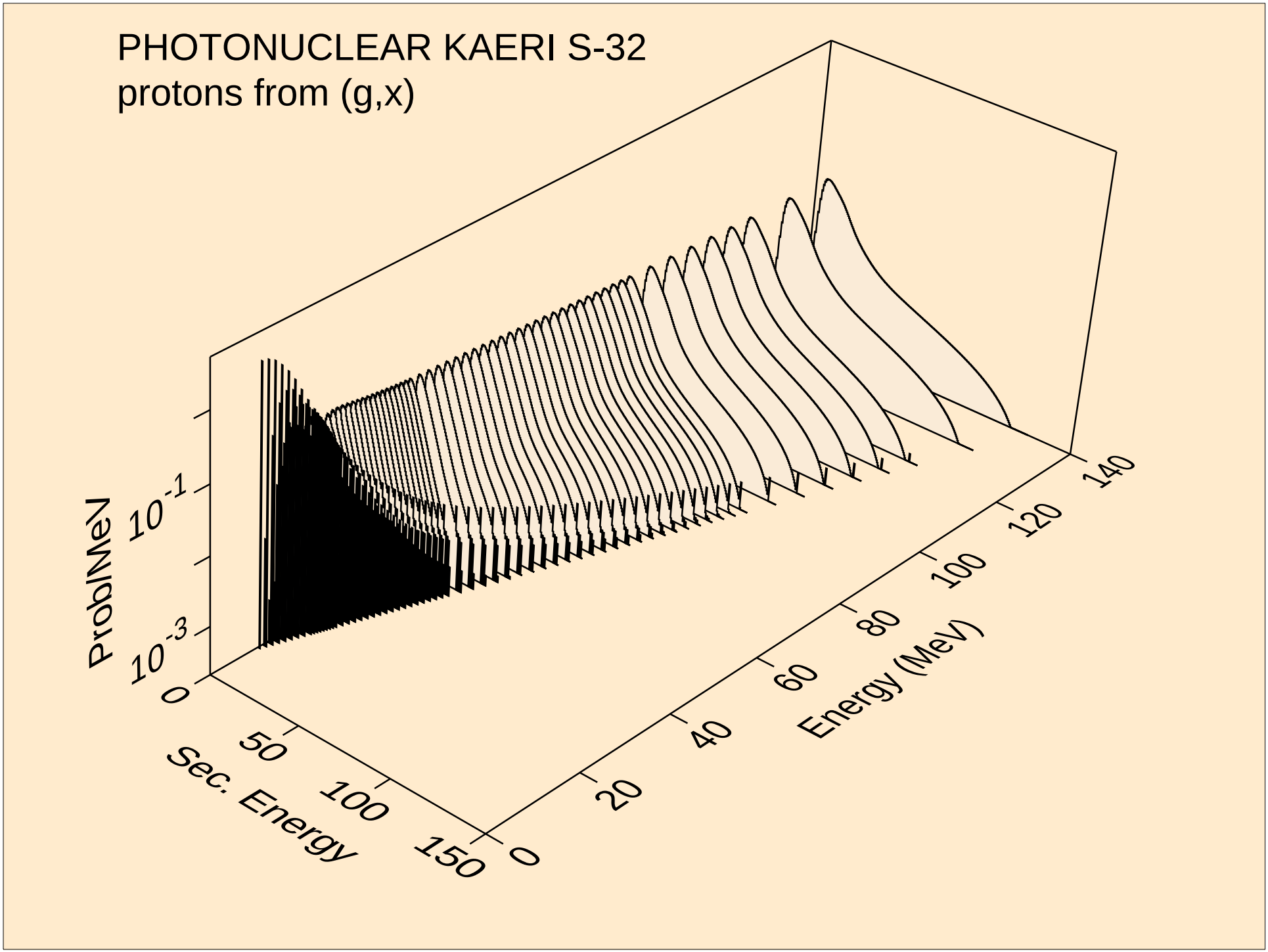

PHOTONUCLEAR KAERI S-32
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
5
10
15
20
25
0
20
40
60
80
100
120
140

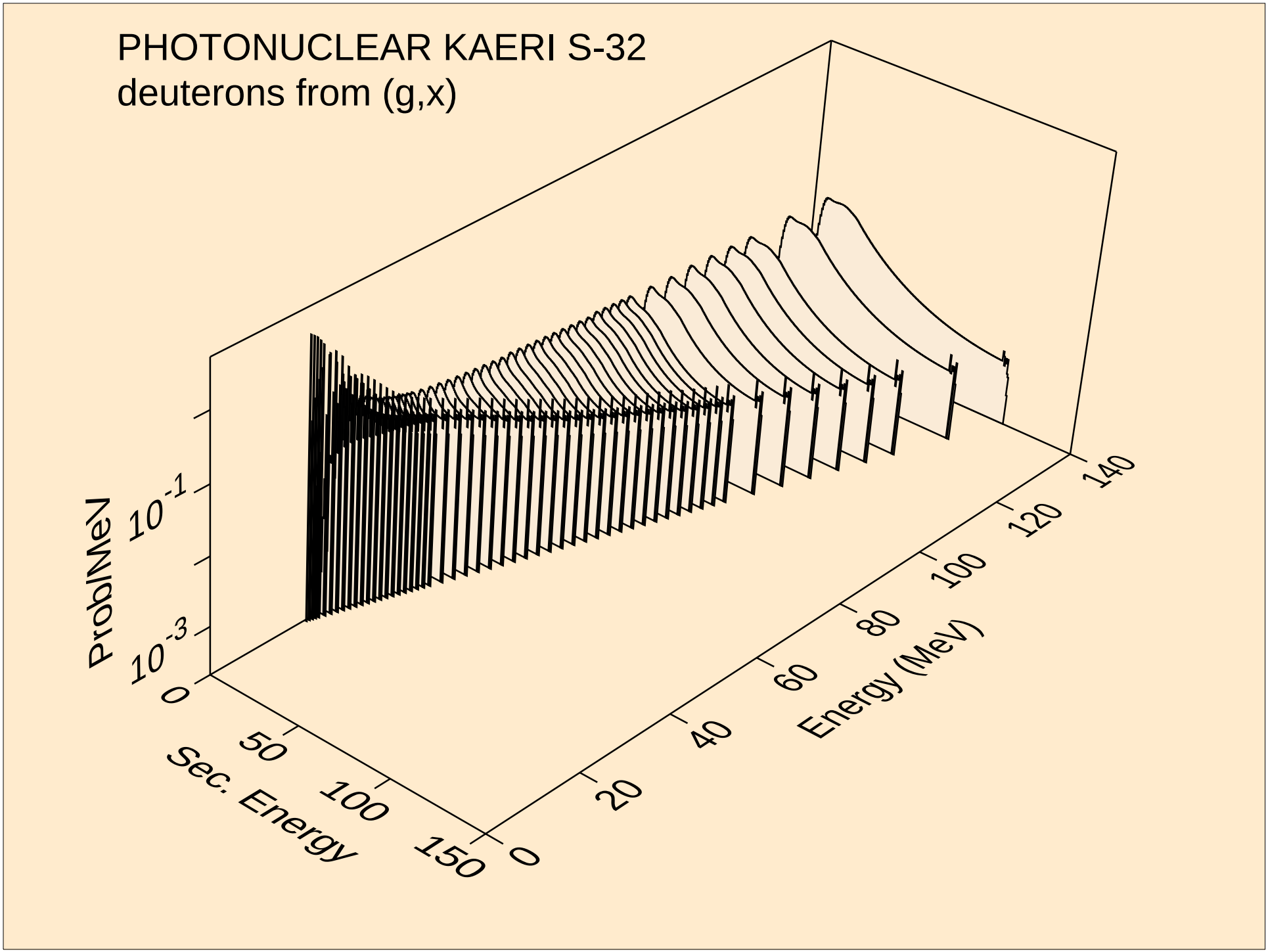

PHOTONUCLEAR KAERI S-32
Particle heating contributions
neutrons
photons
protons
deuterons
tritons
alphas
MeV/collision
0
50
100
150
200
250
0
20
40
60
80
100
120
140
Energy (MeV)

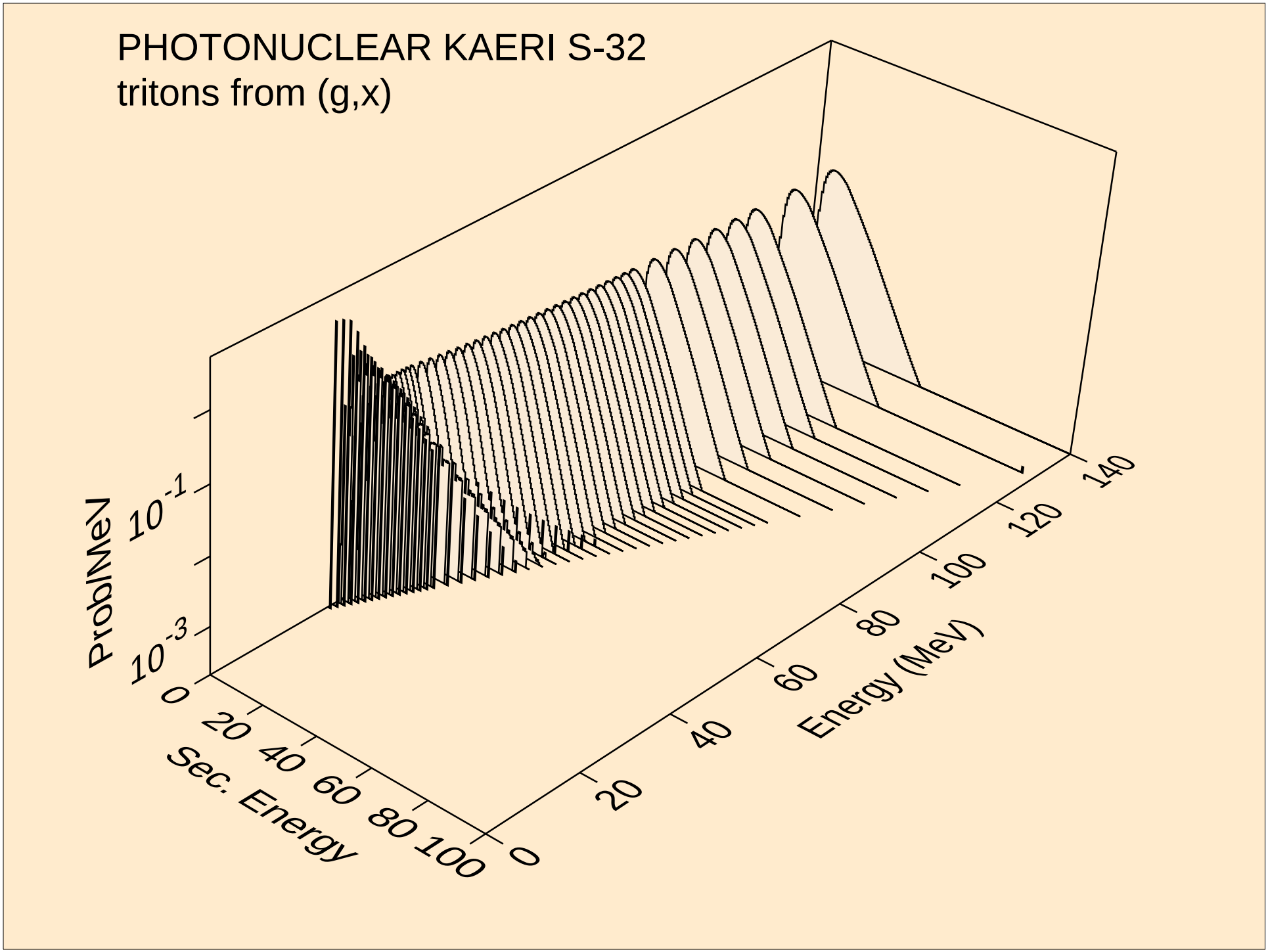

PHOTONUCLEAR KAERI S-32
Particle production cross sections
Cross section (barns)
*10-3
35
30
25
20
15
10
5
0
0
20
40
60
80
100
120
140
Energy (MeV)
neutrons
photons/5
protons
deuterons
tritons
alphas

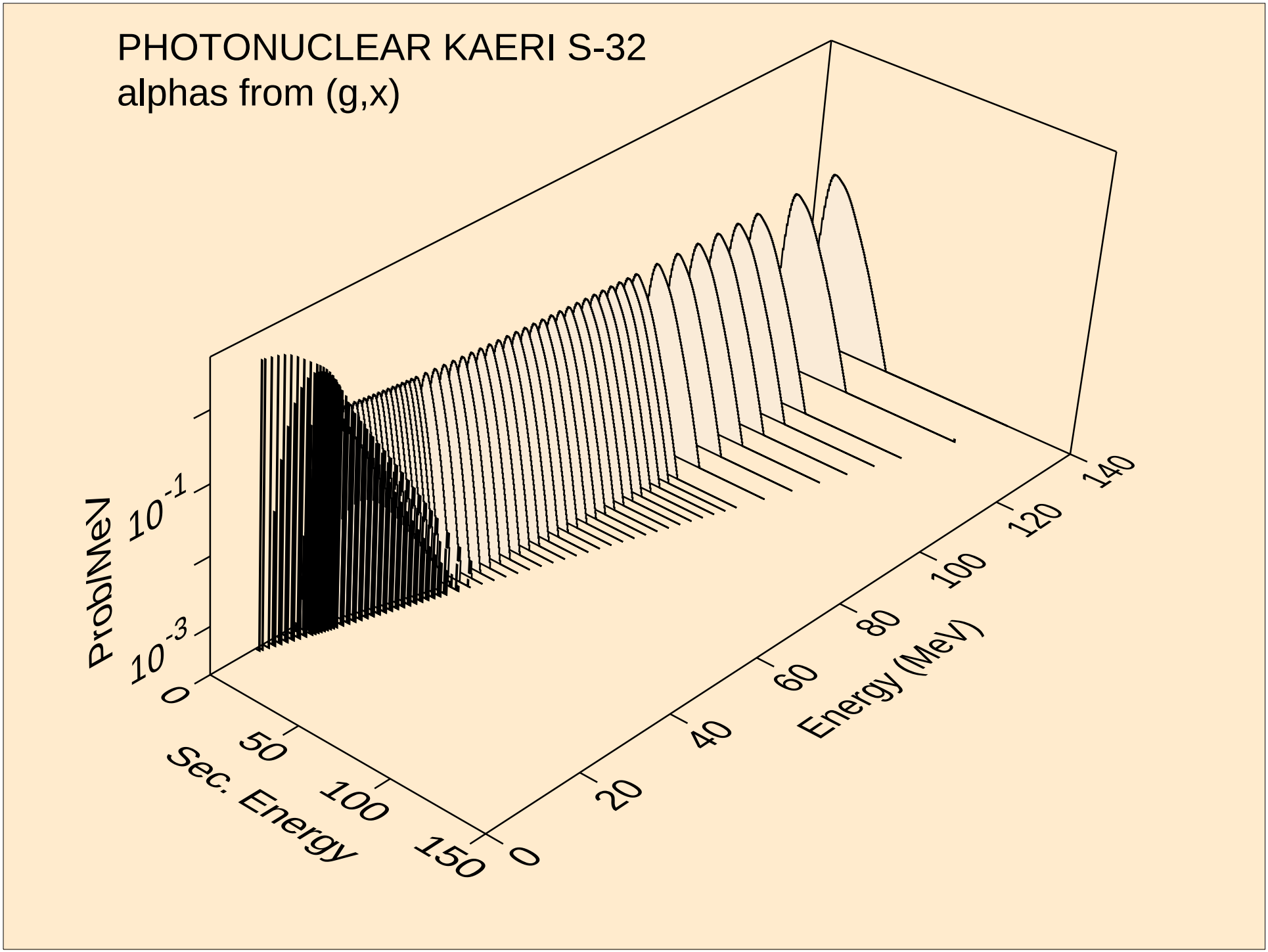

PHOTONUCLEAR KAERI S-32
neutrons from (g,x)
Prob/MeV
10-1
10-3
0
20
40
60
80
100
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI S-32
photons from (g,x)
Prob/MeV
10^{0}
10^{-2}
0
10
20
30
Sec. Energy
0
20
40
60
80
100
120
140
Energy (MeV)


PHOTONUCLEAR KAERI S-32
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 S-32
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 S-32
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 S-32
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)