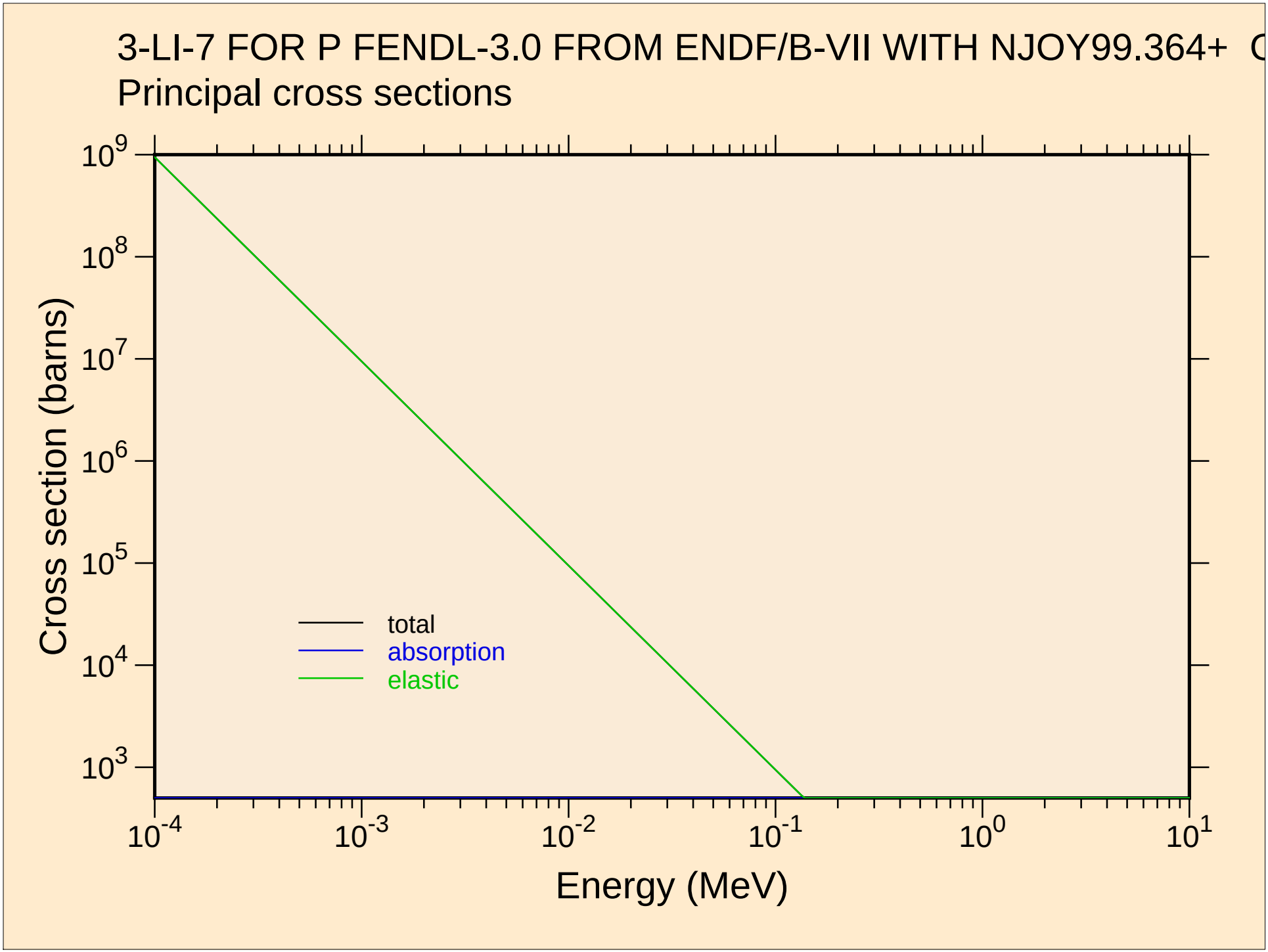
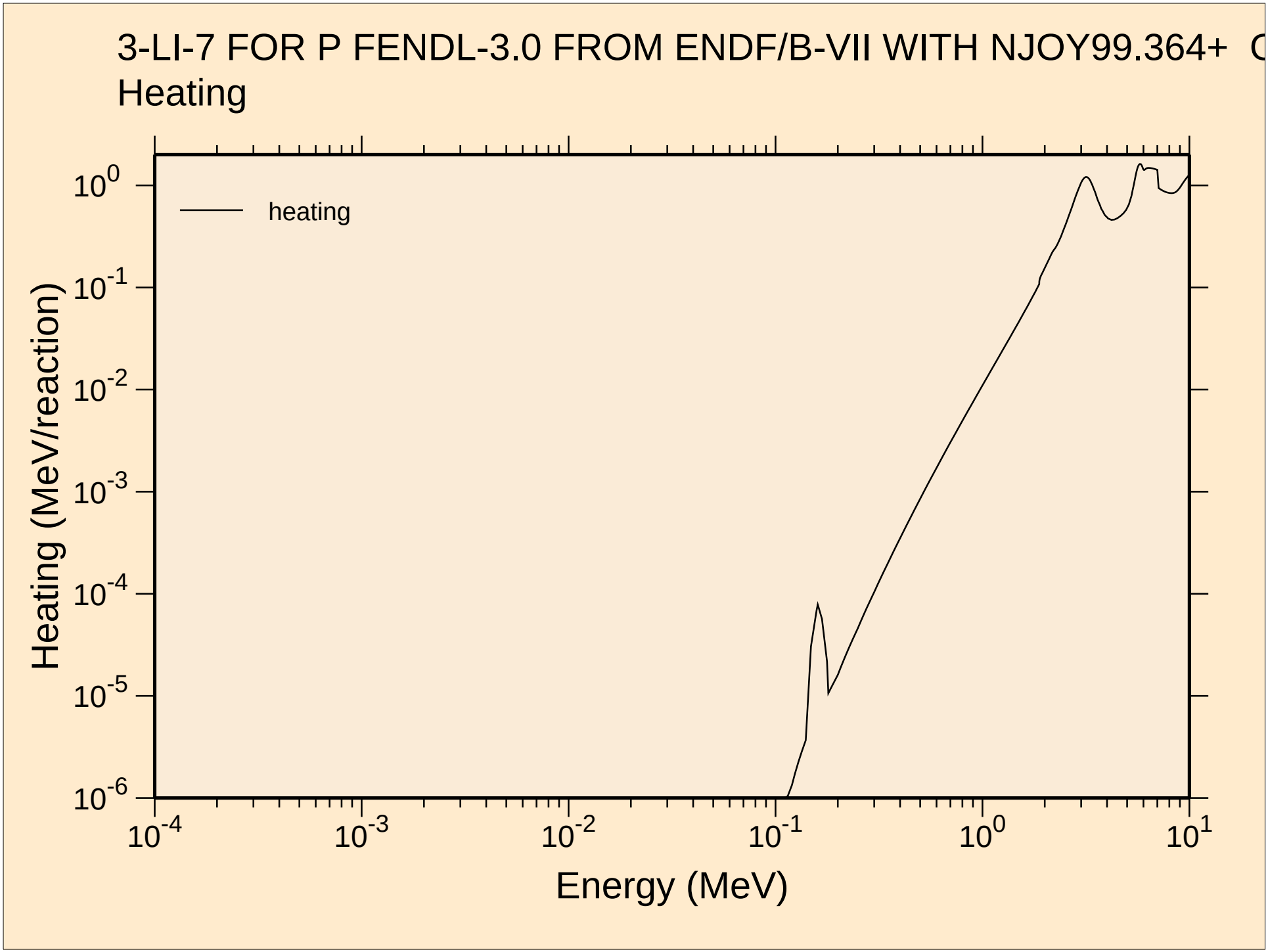
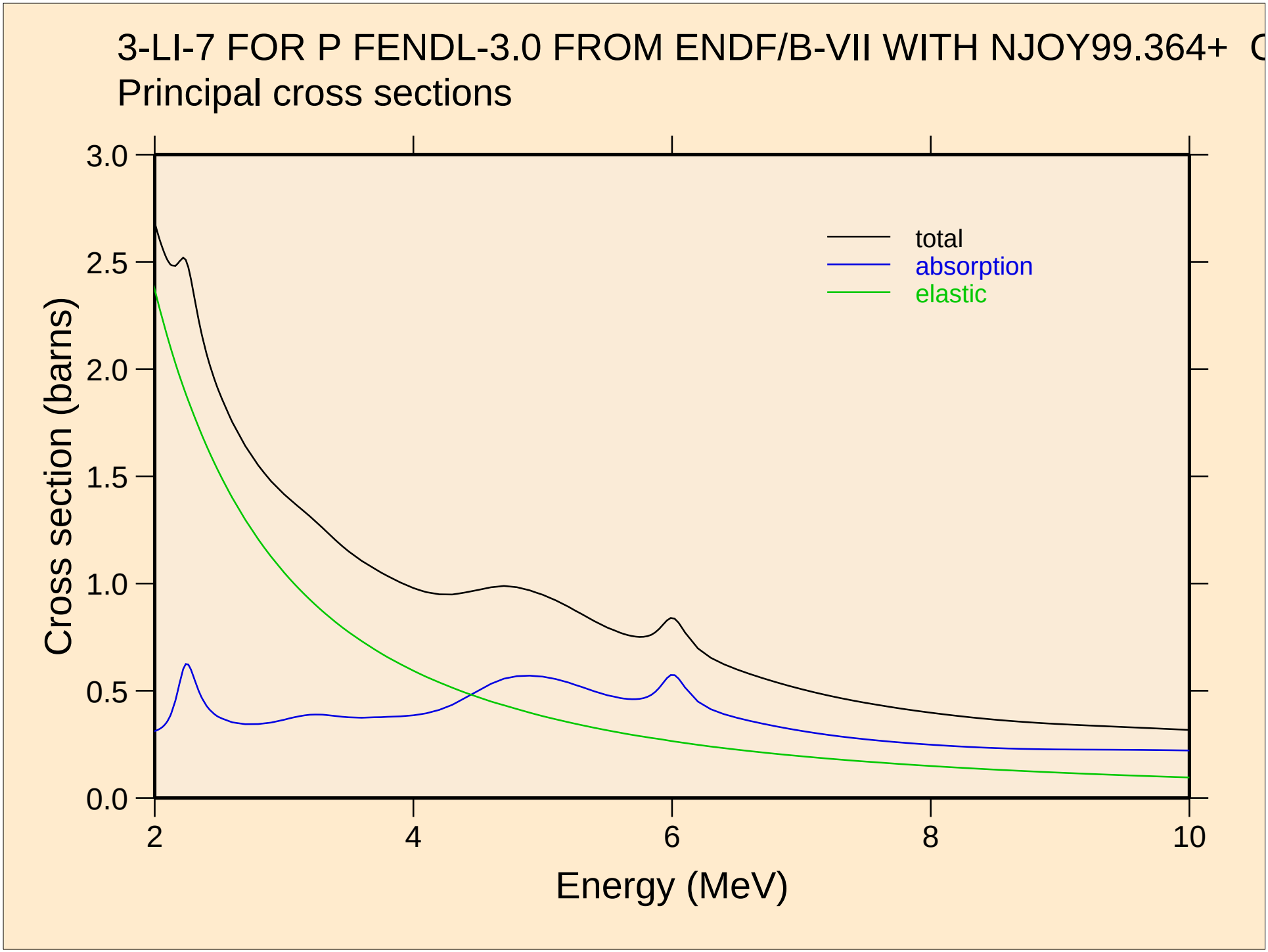
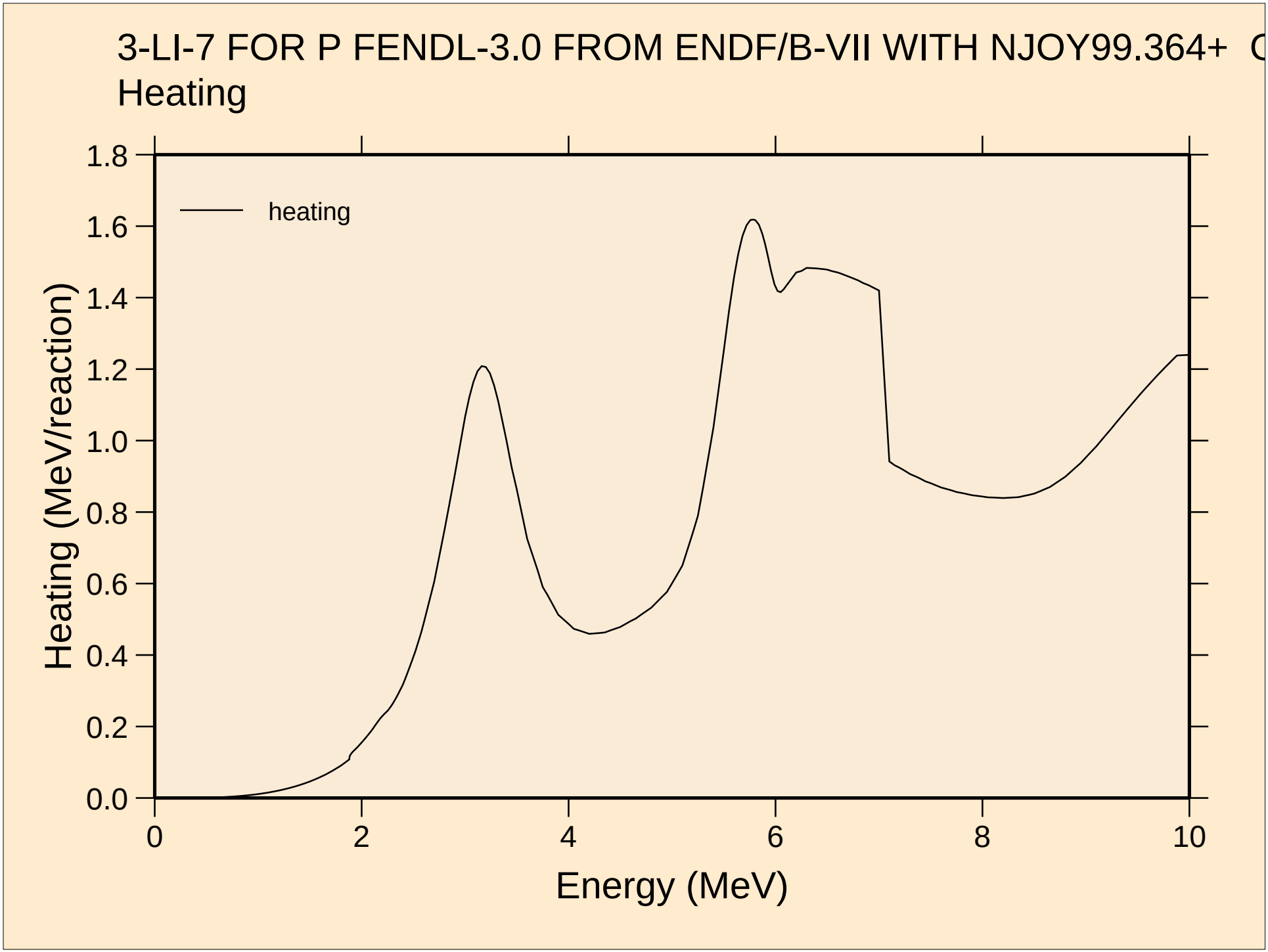
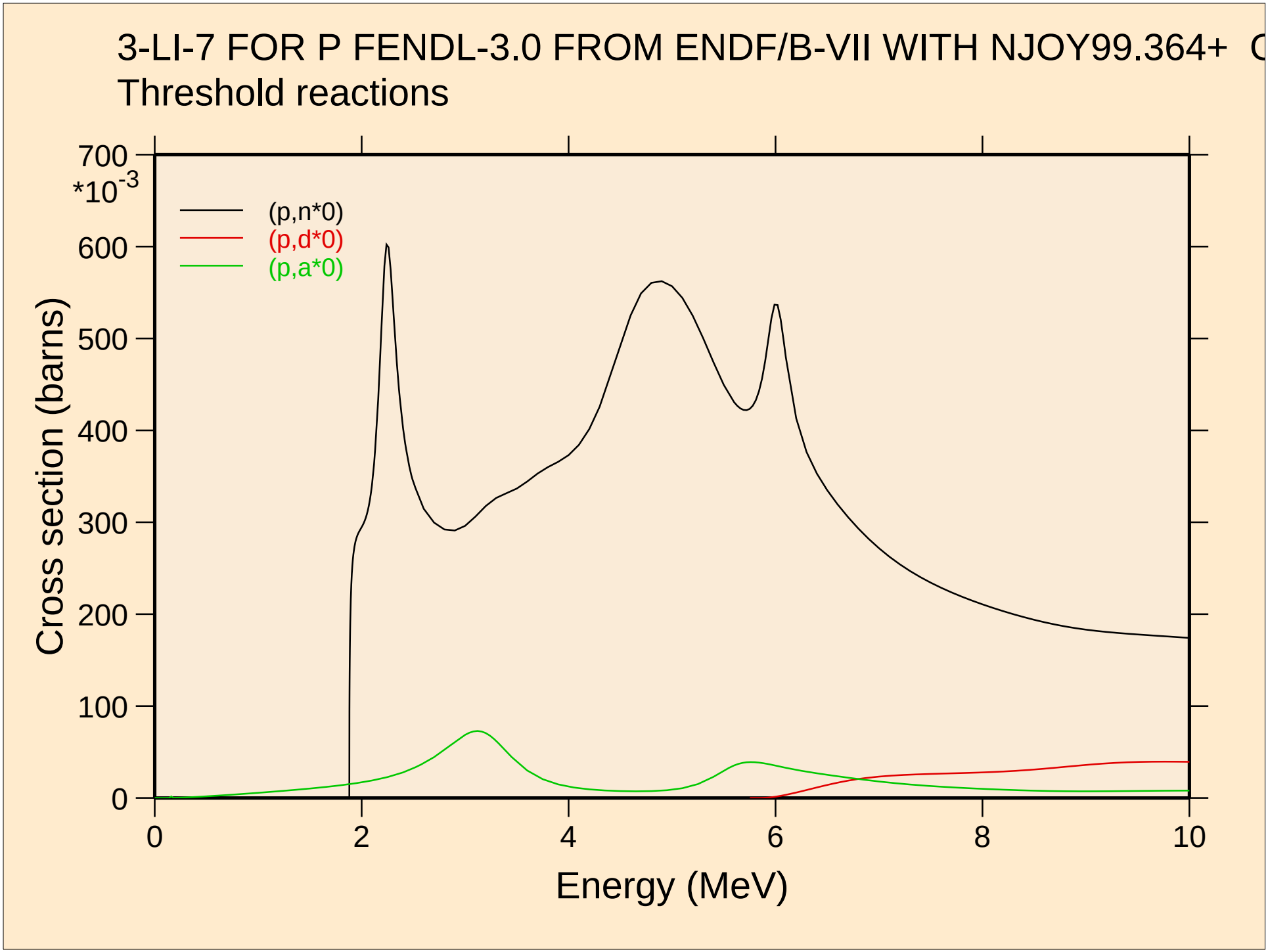
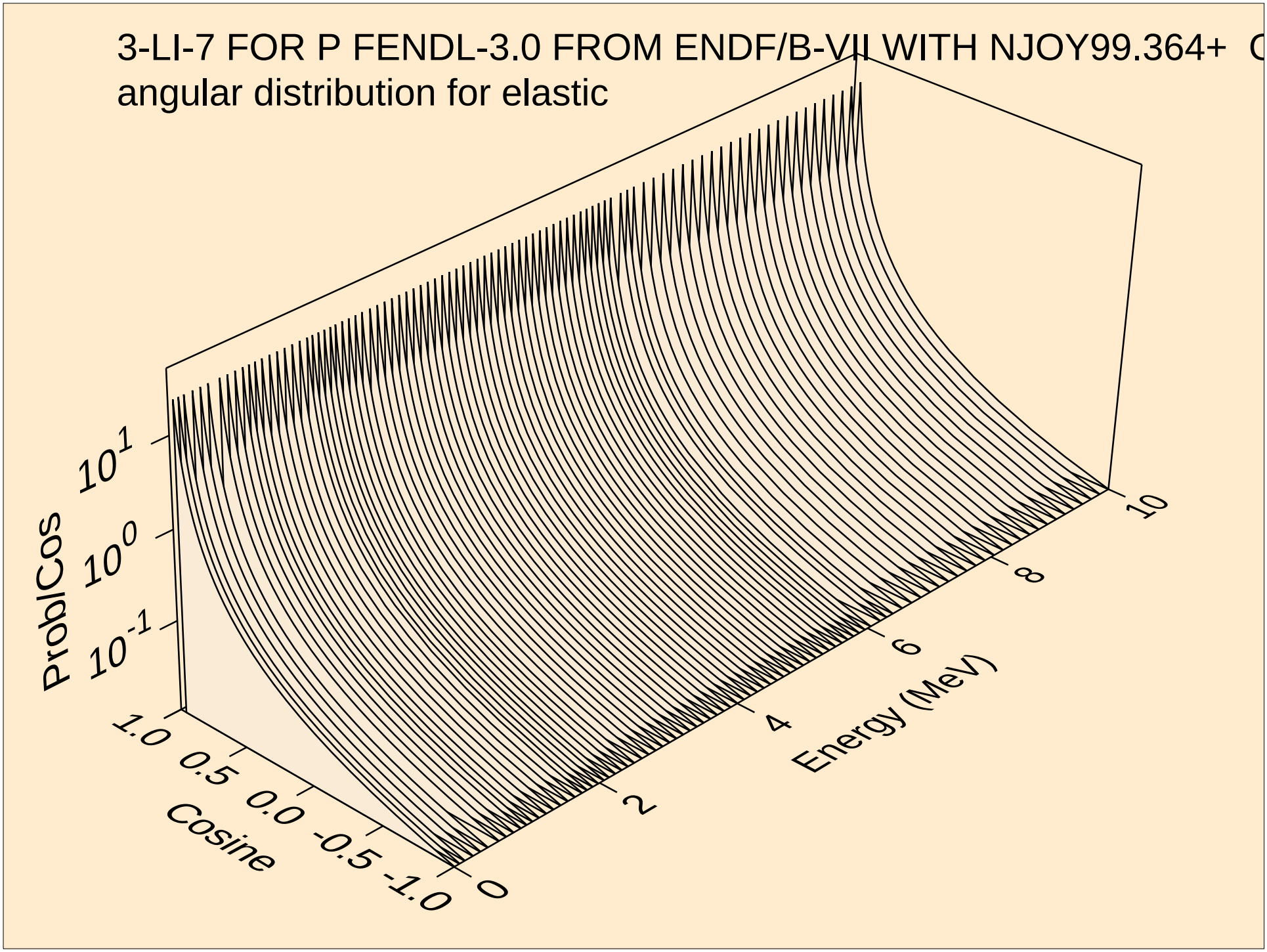

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Principal cross sections
Cross section (barns)
10^9
10^8
10^7
10^6
10^5
10^4
10^3
total
absorption
elastic
10^{-4}
10^{-3}
10^{-2}
10^{-1}
10^0
10^1
Energy (MeV)

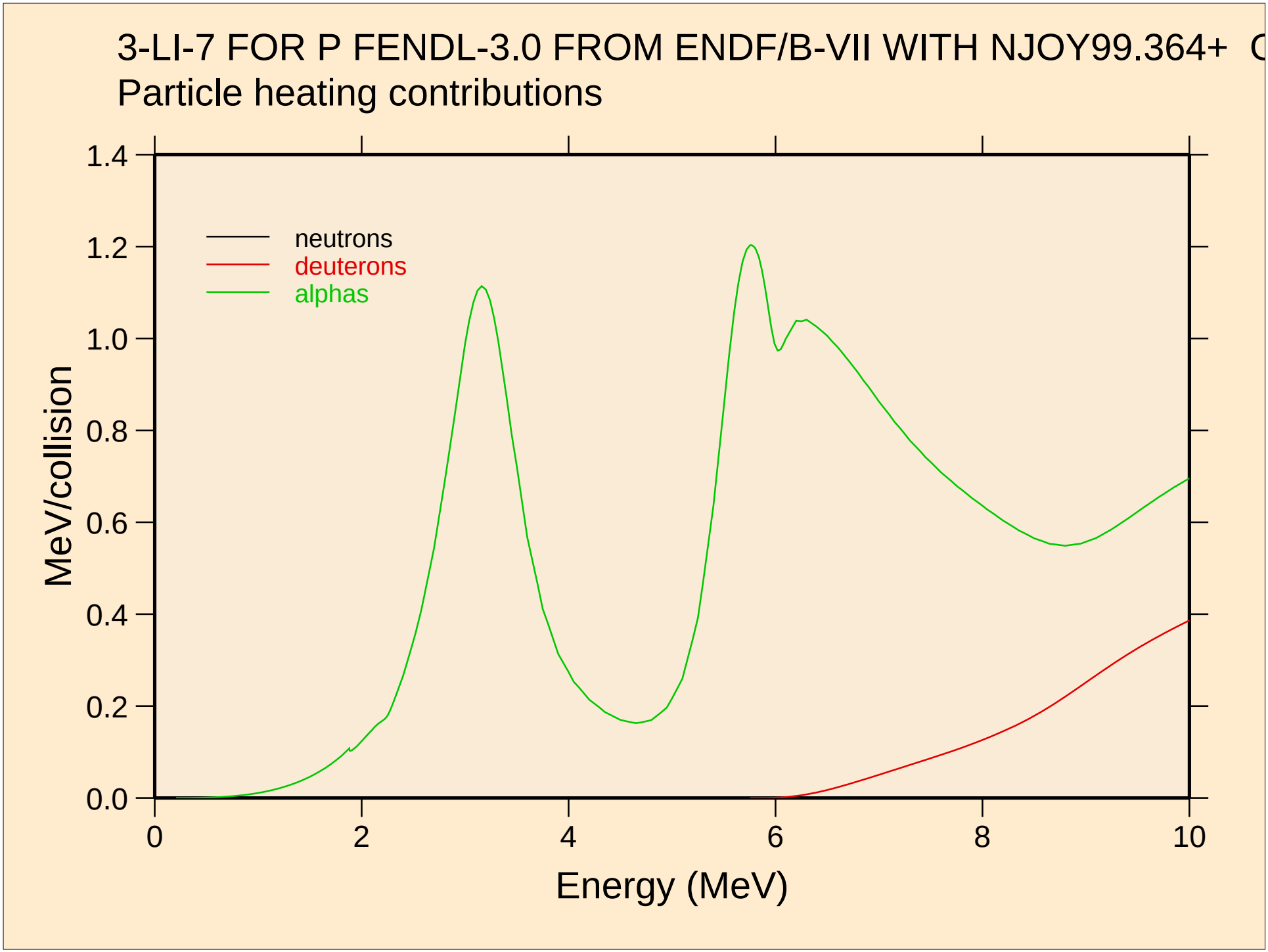

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-4
10^-3
10^-2
10^-1
10^0
10^1

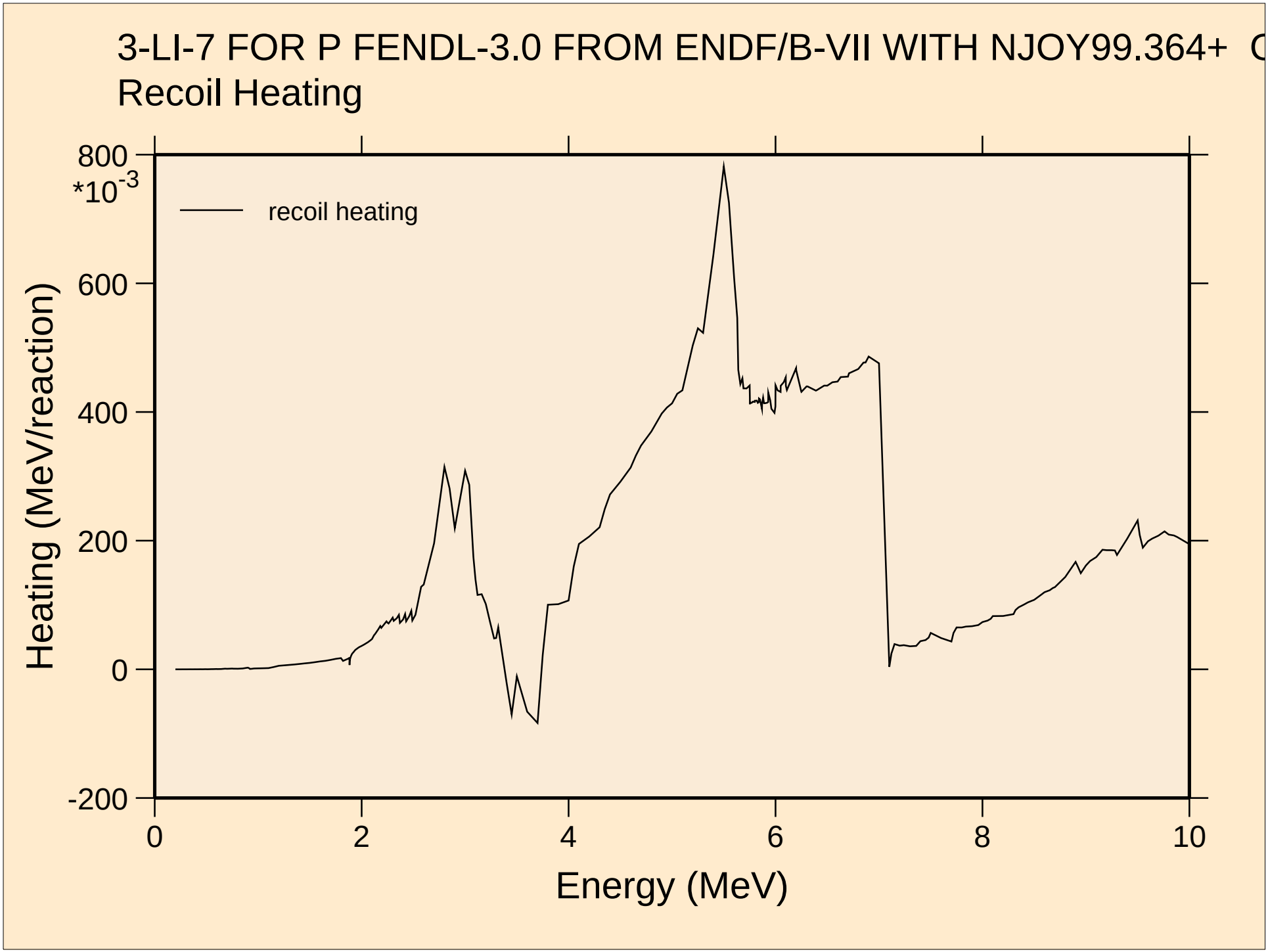

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2
4
6
8
10

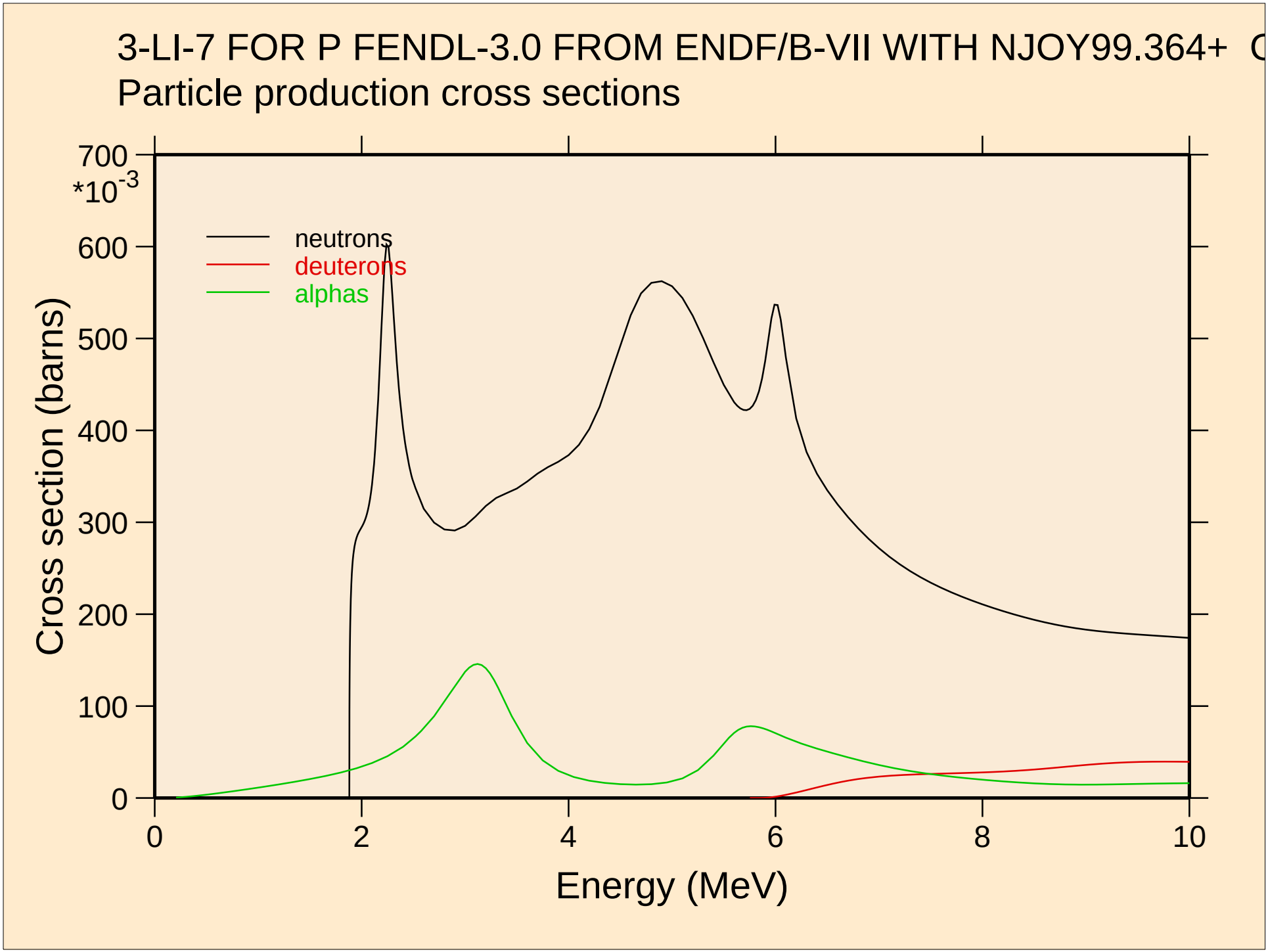

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
2
4
6
8
10

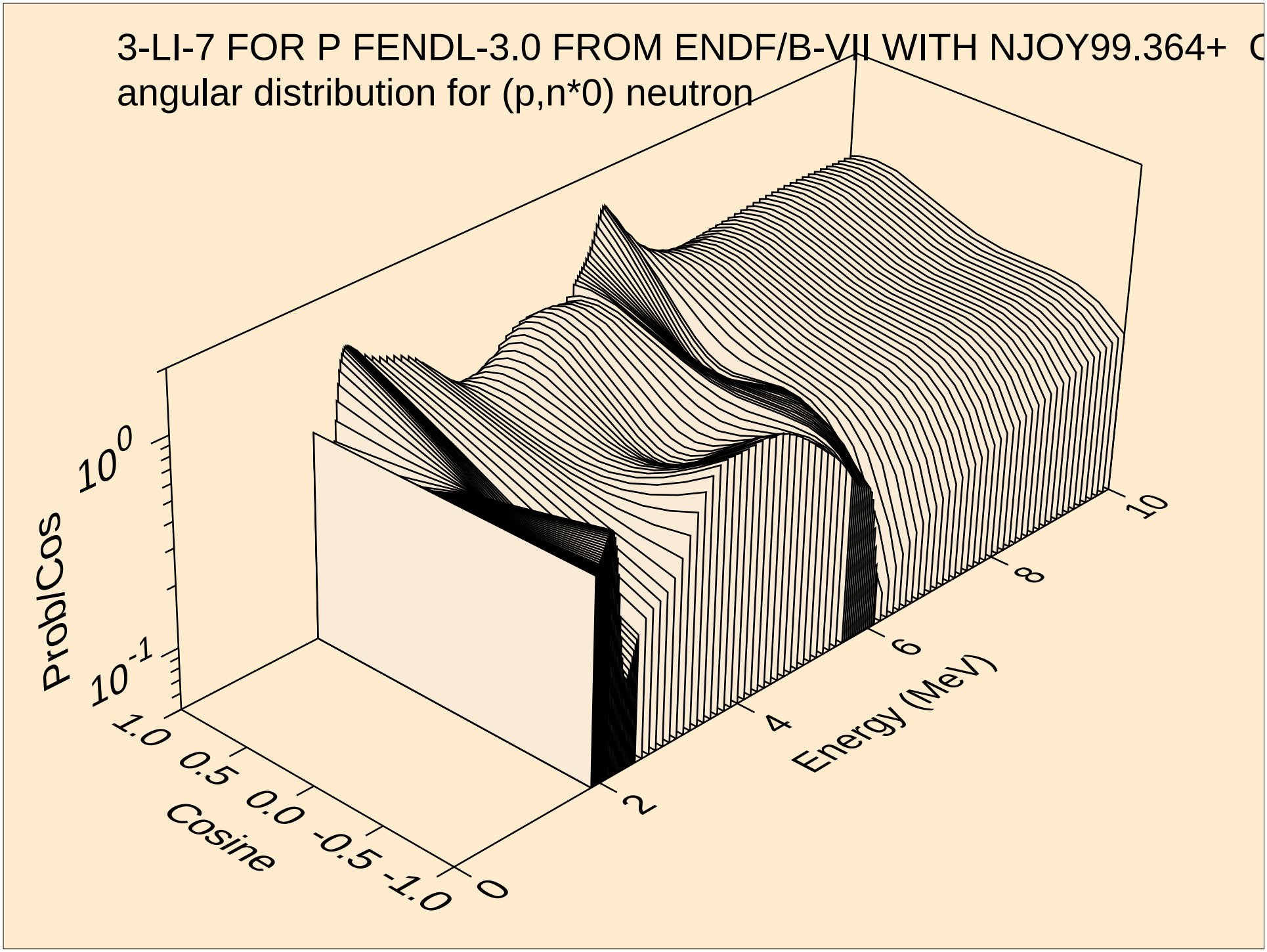

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Threshold reactions
700
*10-3
600
500
400
300
200
100
0
(p,n*0)
(p,d*0)
(p,a*0)
Cross section (barns)
0
2
4
6
8
10
Energy (MeV)

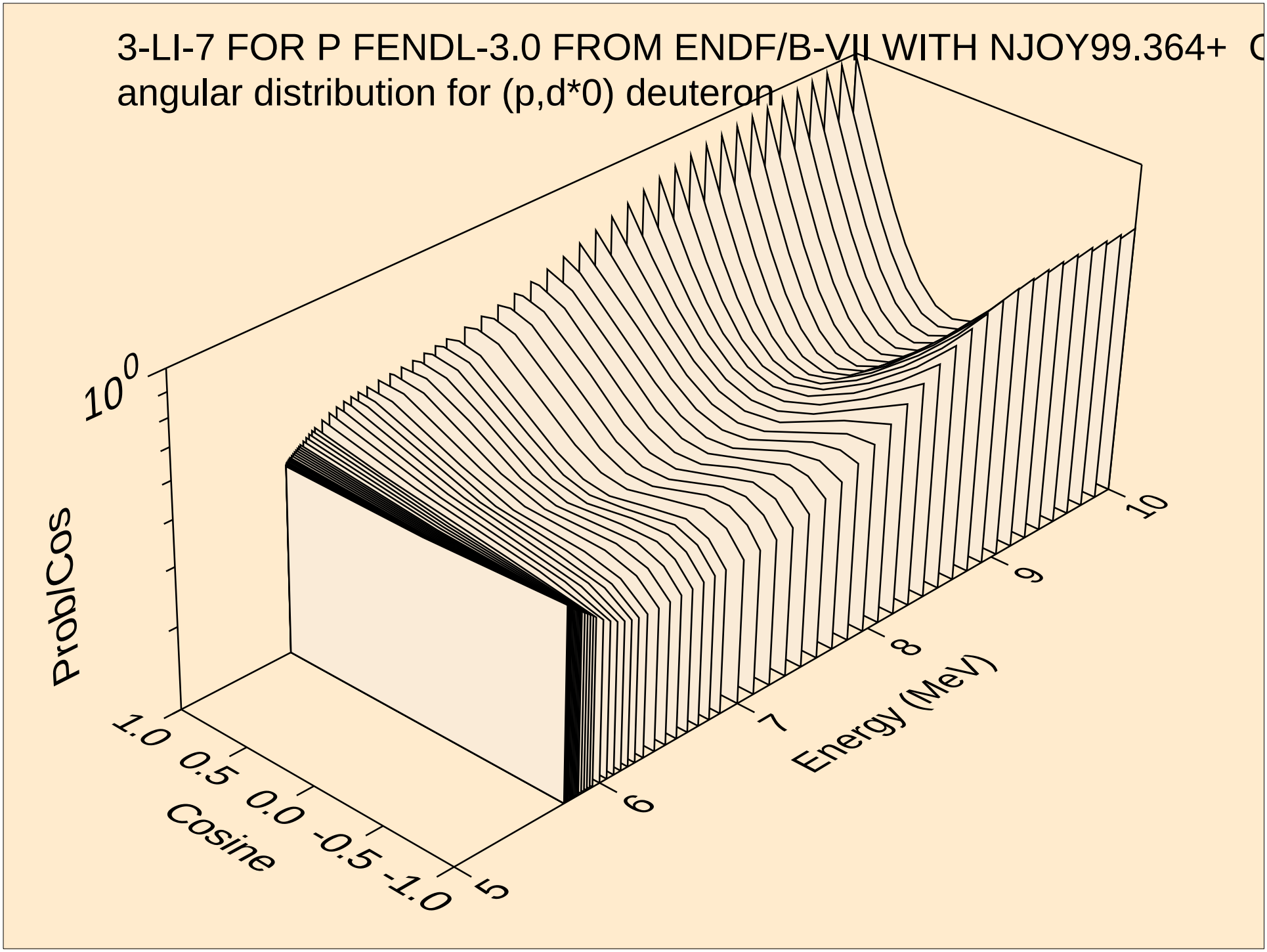

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for elastic
ProbICos
10^1
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
Energy (MeV)

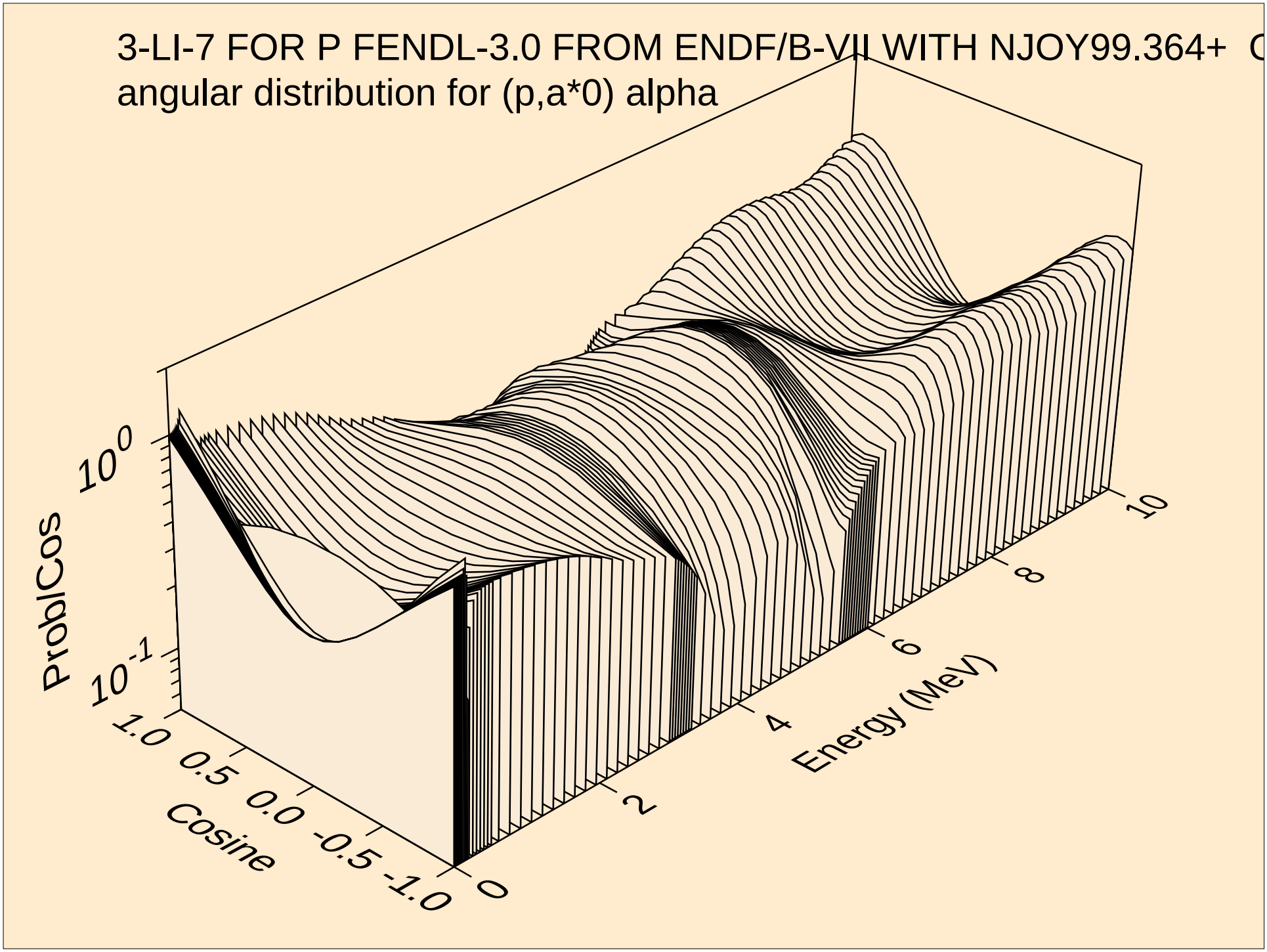

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Particle heating contributions
neutrons
deuterons
alphas
MeV/collision
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
2
4
6
8
10

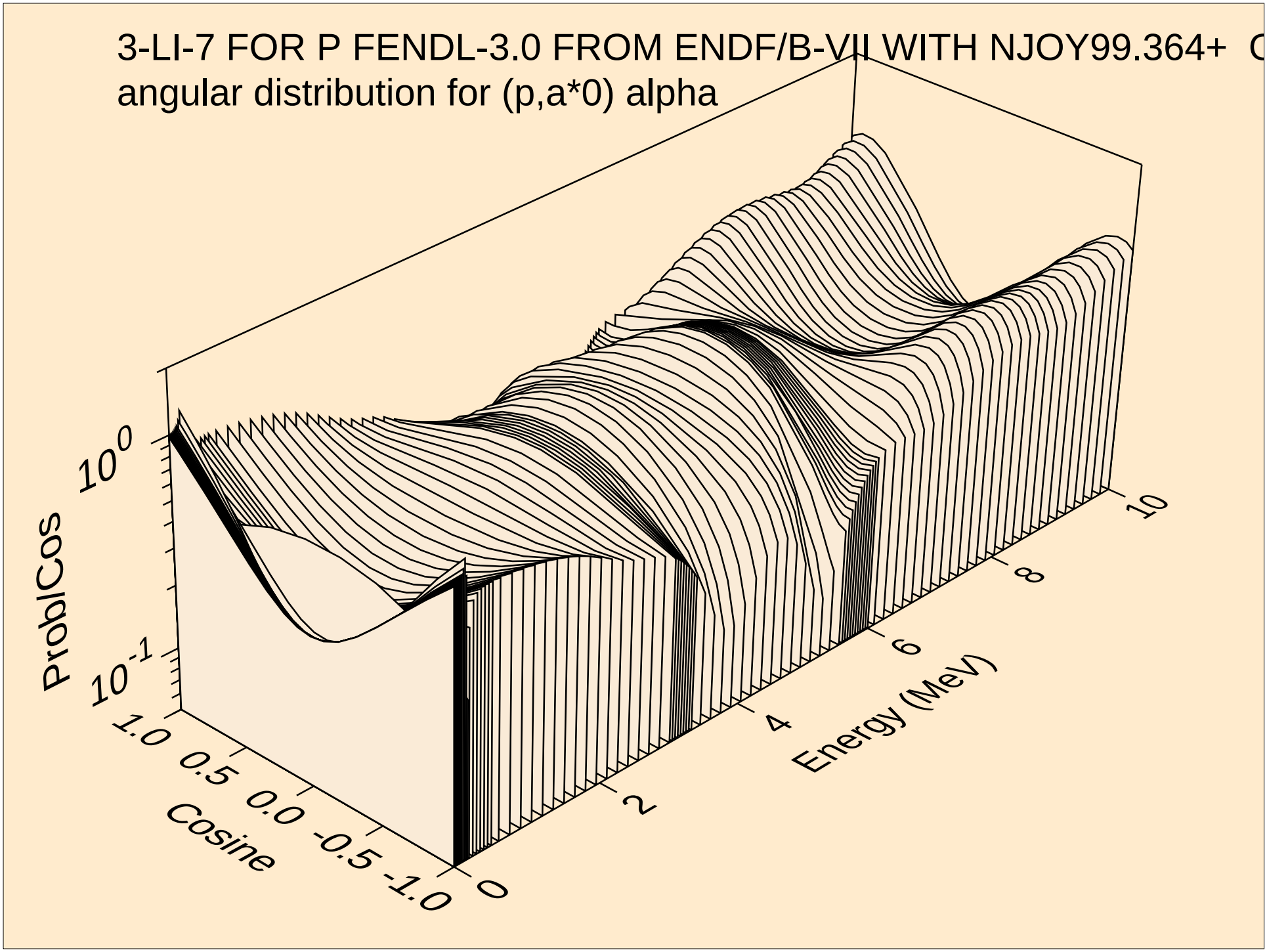

3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Recoil Heating
recoil heating
*10-3
800
600
400
200
0
-200
Heating (MeV/reaction)
0
2
4
6
8
10
Energy (MeV)


3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Particle production cross sections
neutrons
deuterons
alphas
Cross section (barns)
*10-3
700
600
500
400
300
200
100
0
0
2
4
6
8
10
Energy (MeV)


3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,n*0) neutron
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
Energy (MeV)


3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,d*0) deuteron
10^0
ProbICos
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
6
7
8
9
10
Energy (MeV)


3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,a*0) alpha
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
Energy (MeV)


3-LI-7 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,a*0) alpha
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
Energy (MeV)