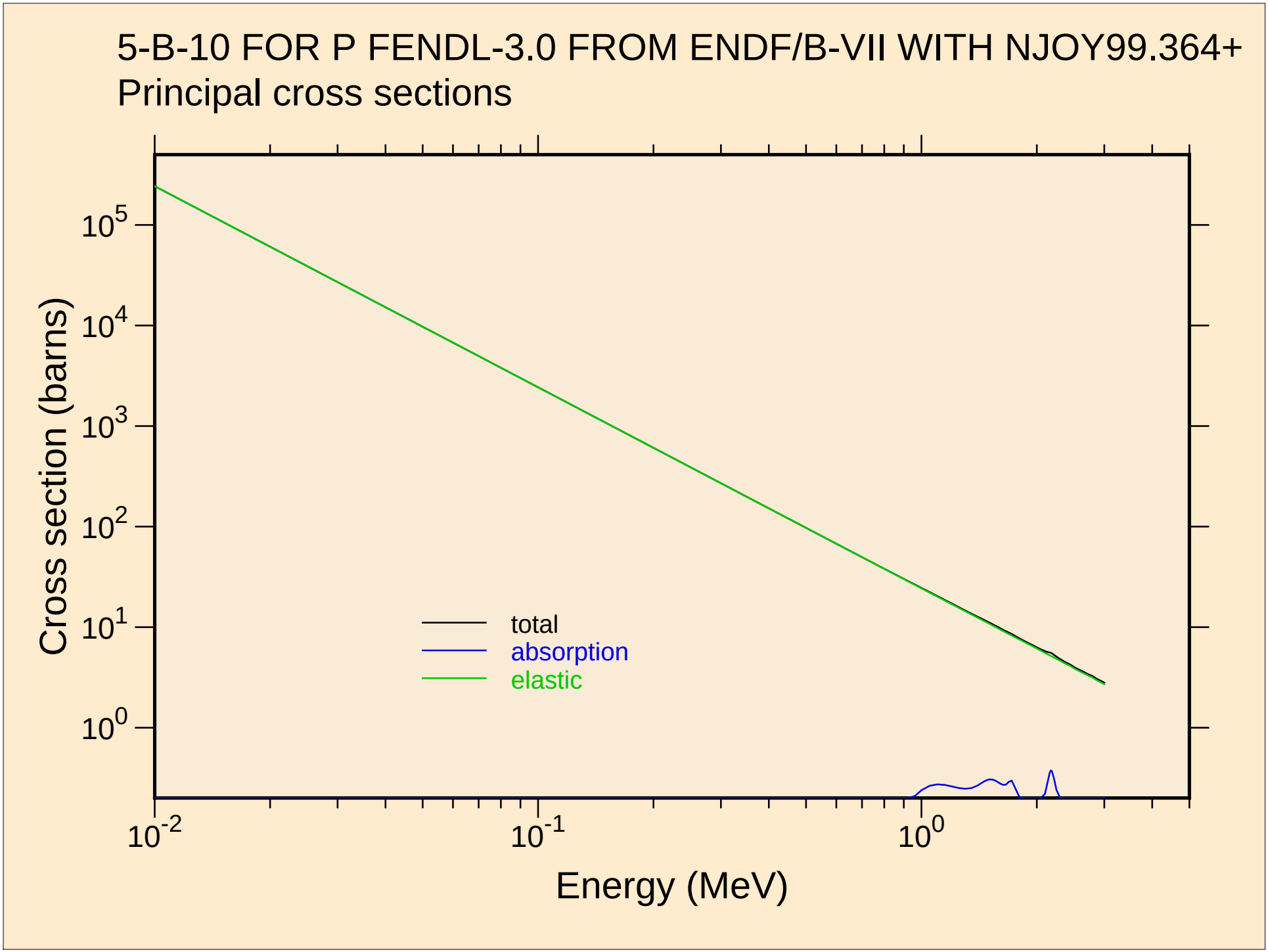
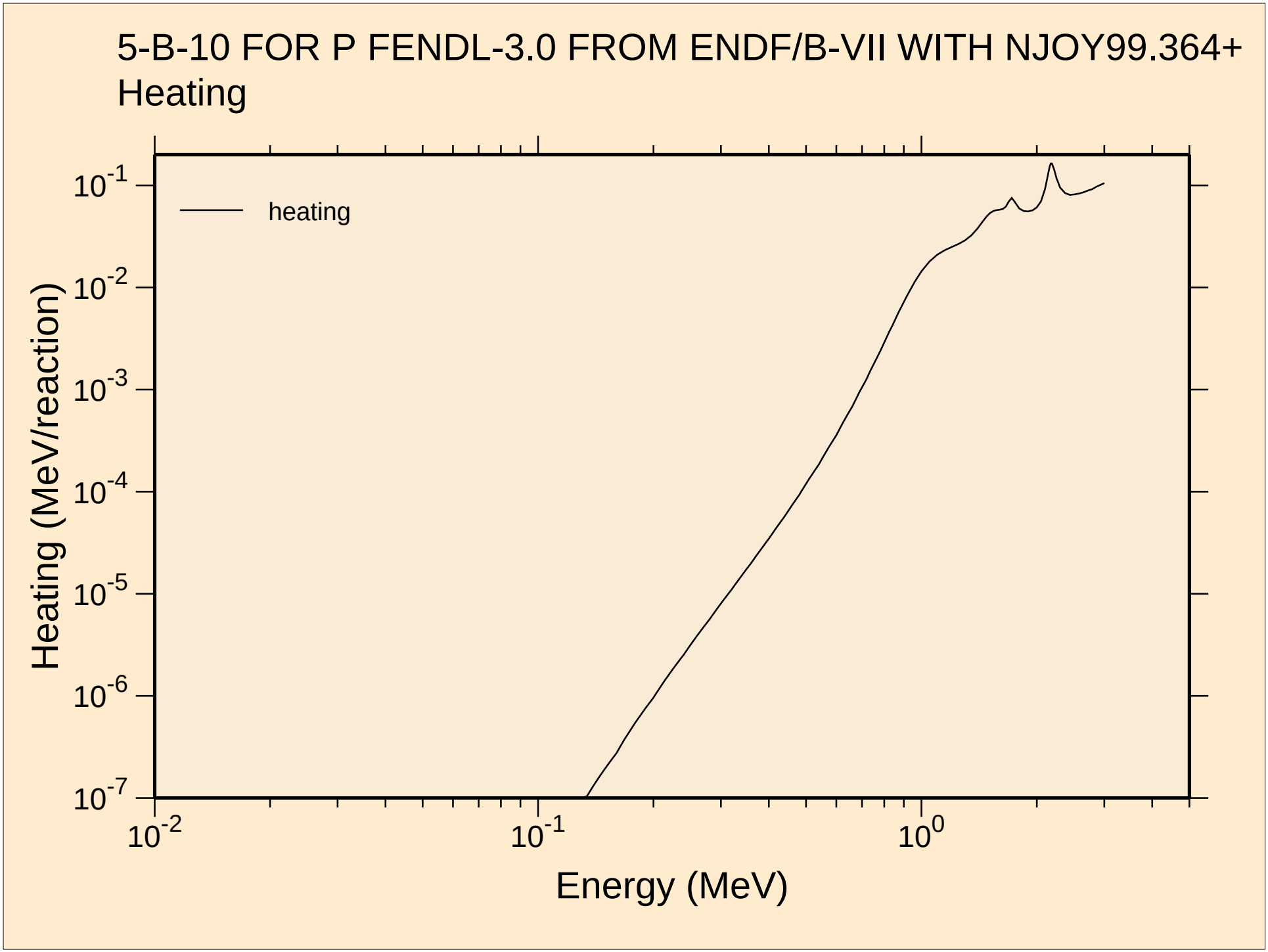
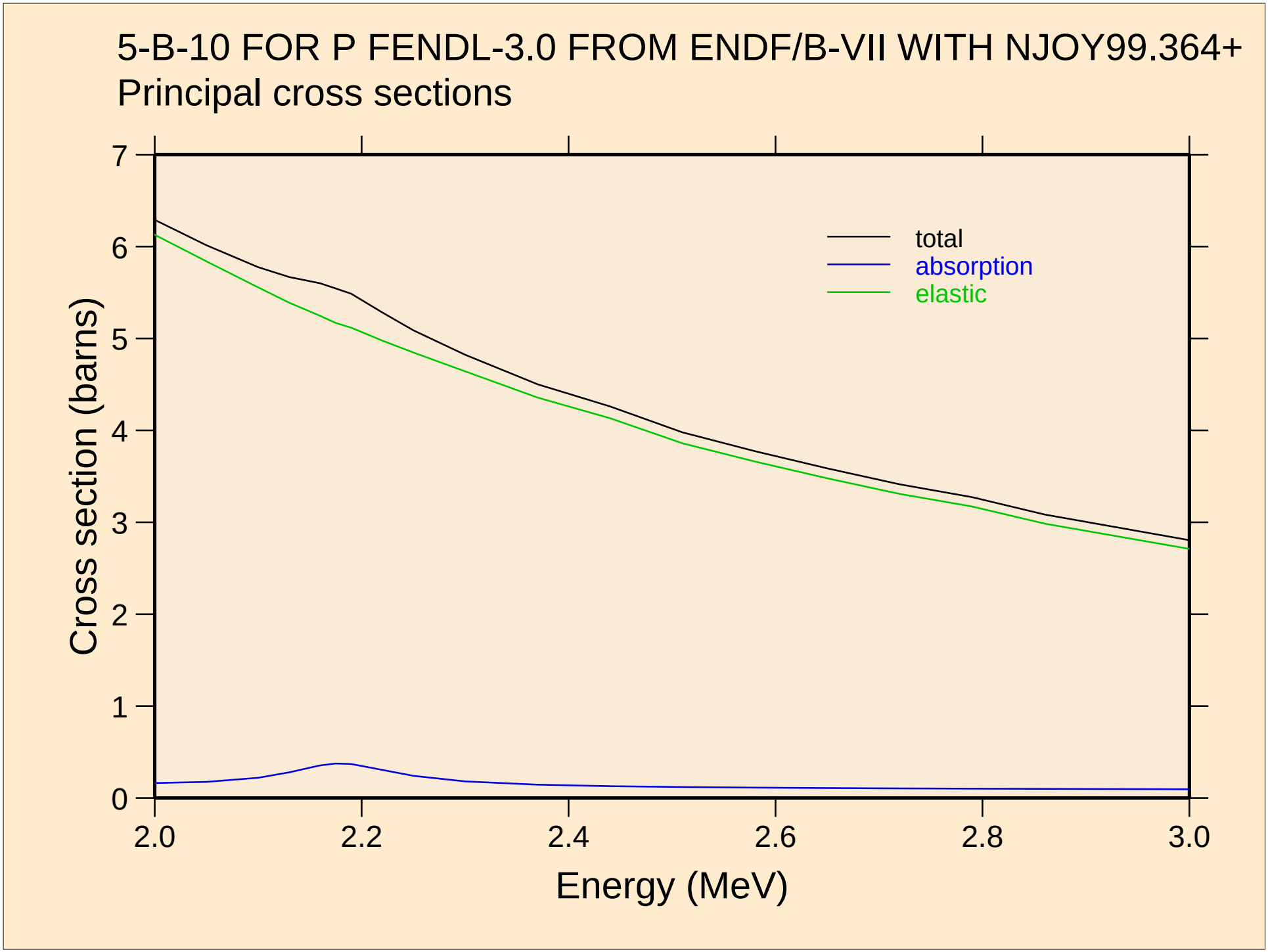
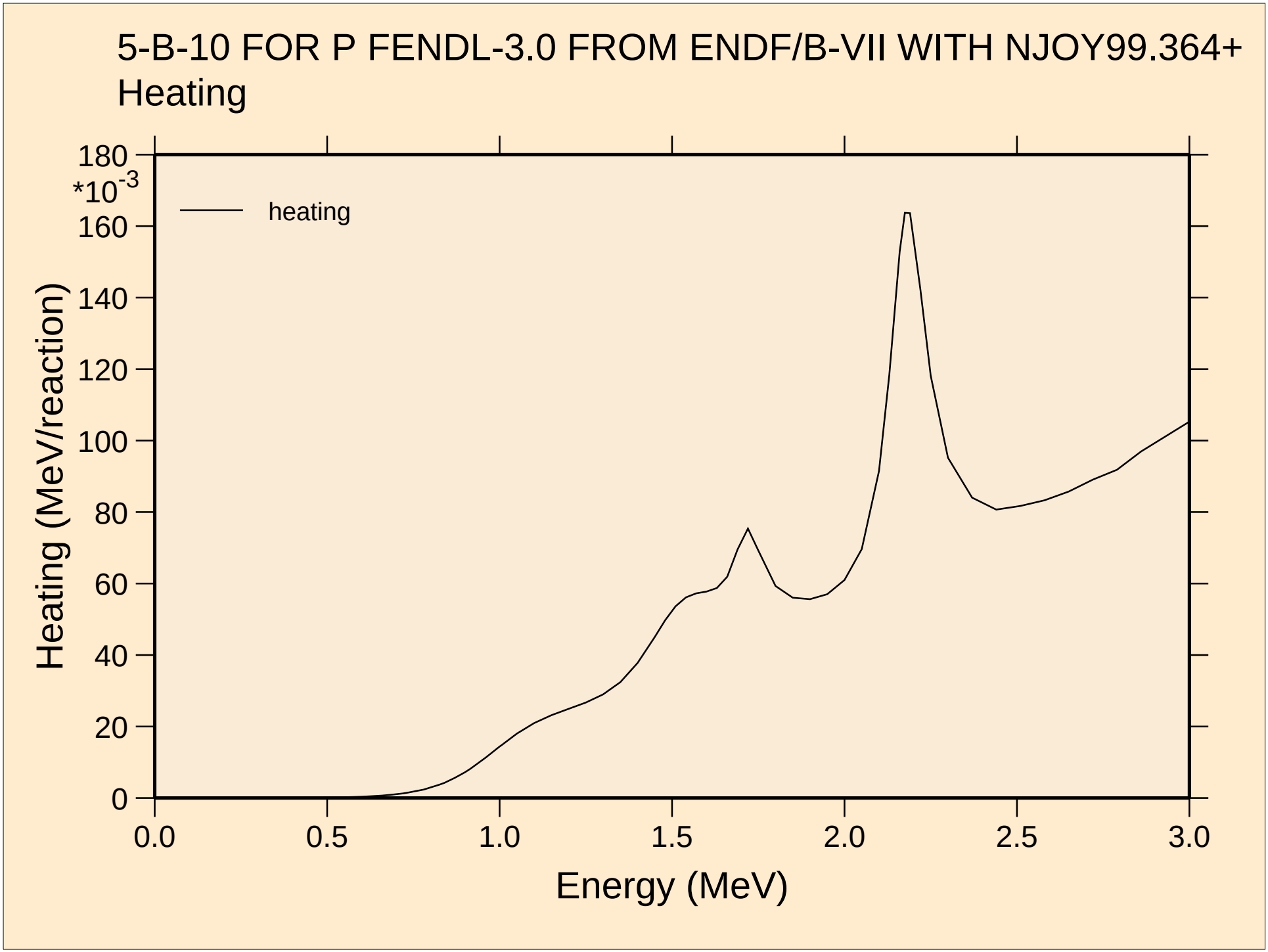
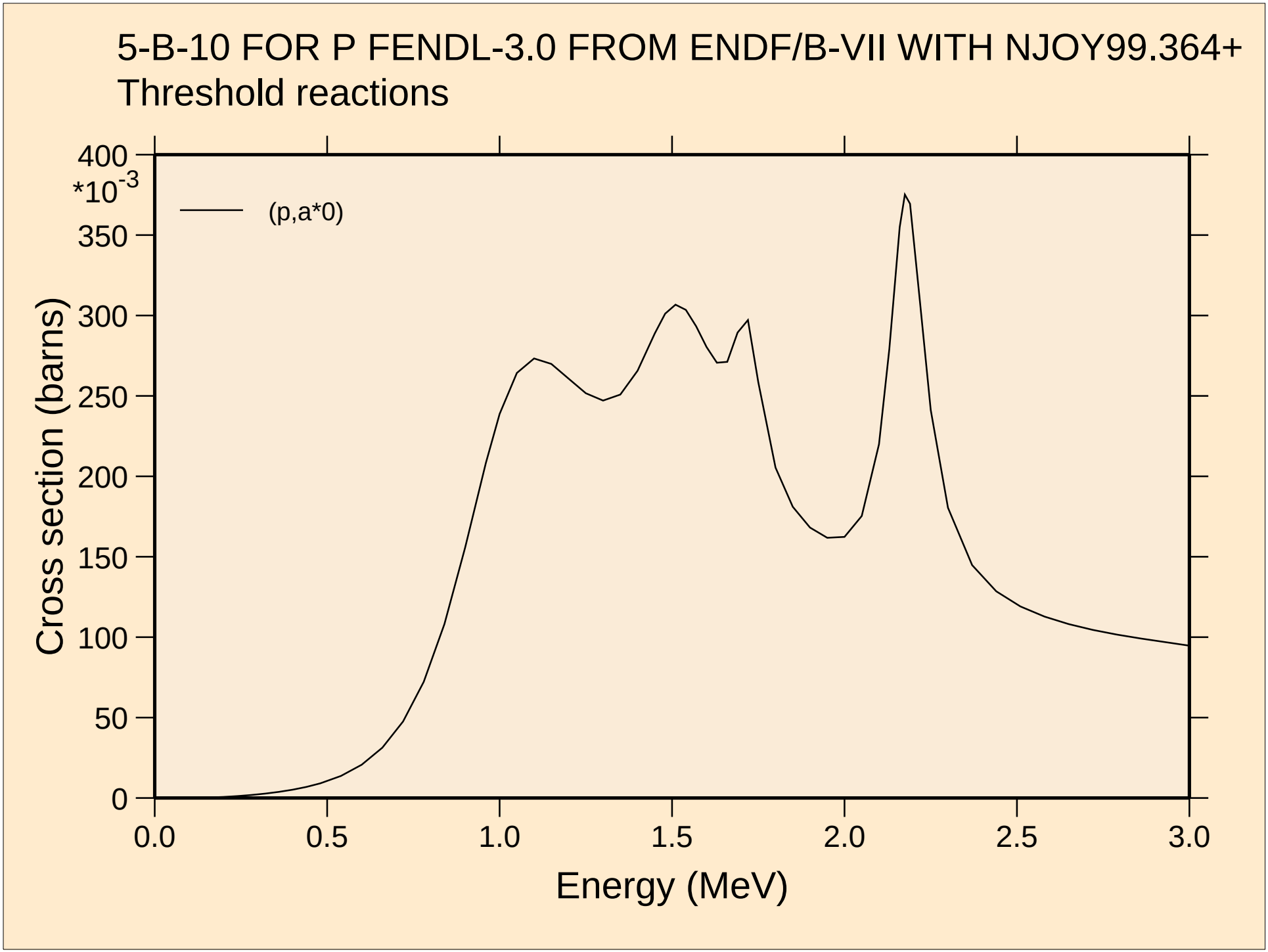
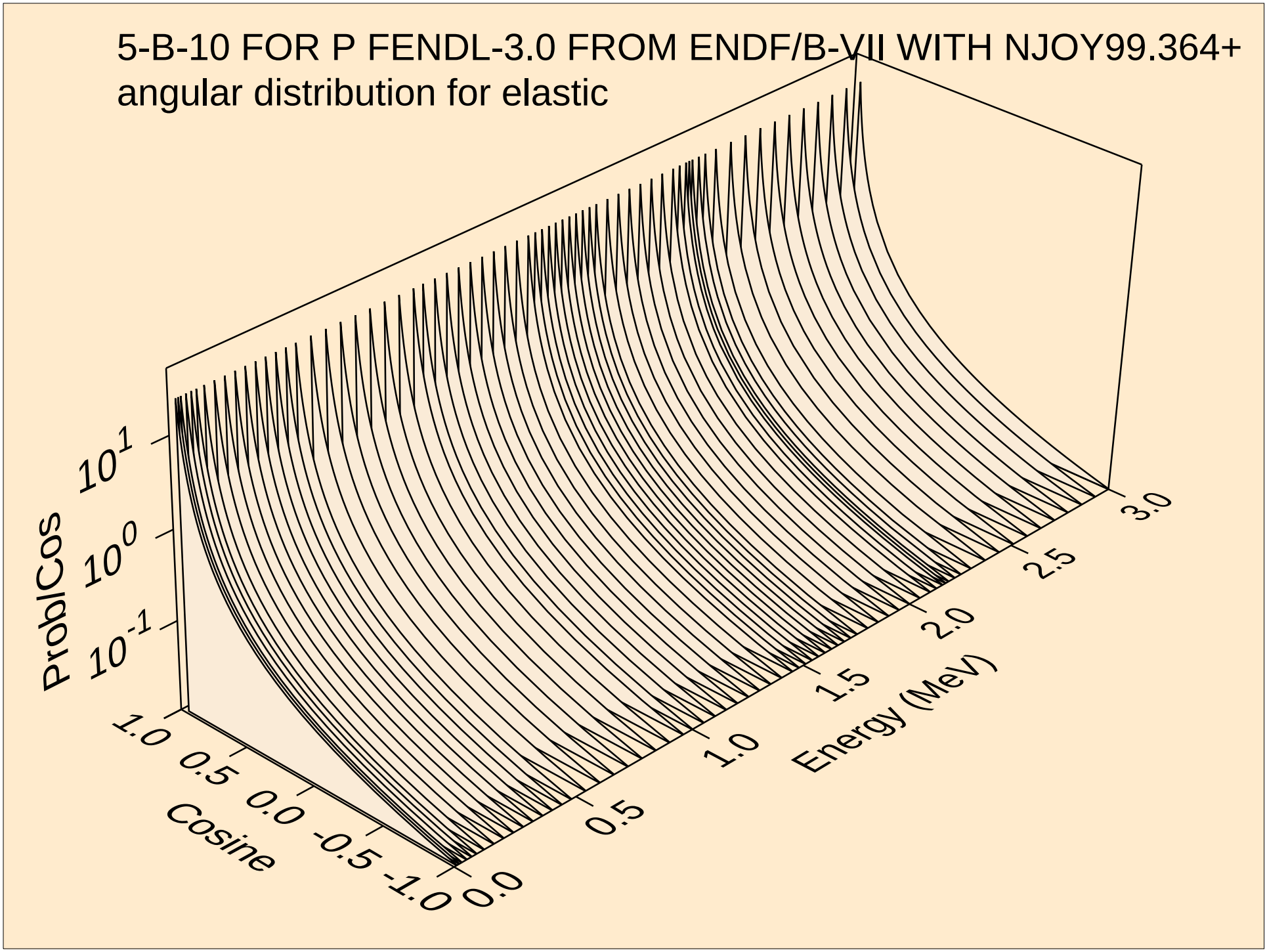

5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Principal cross sections
Cross section (barns)
10^5
10^4
10^3
10^2
10^1
10^0
total
absorption
elastic
10^-2
10^-1
10^0
Energy (MeV)

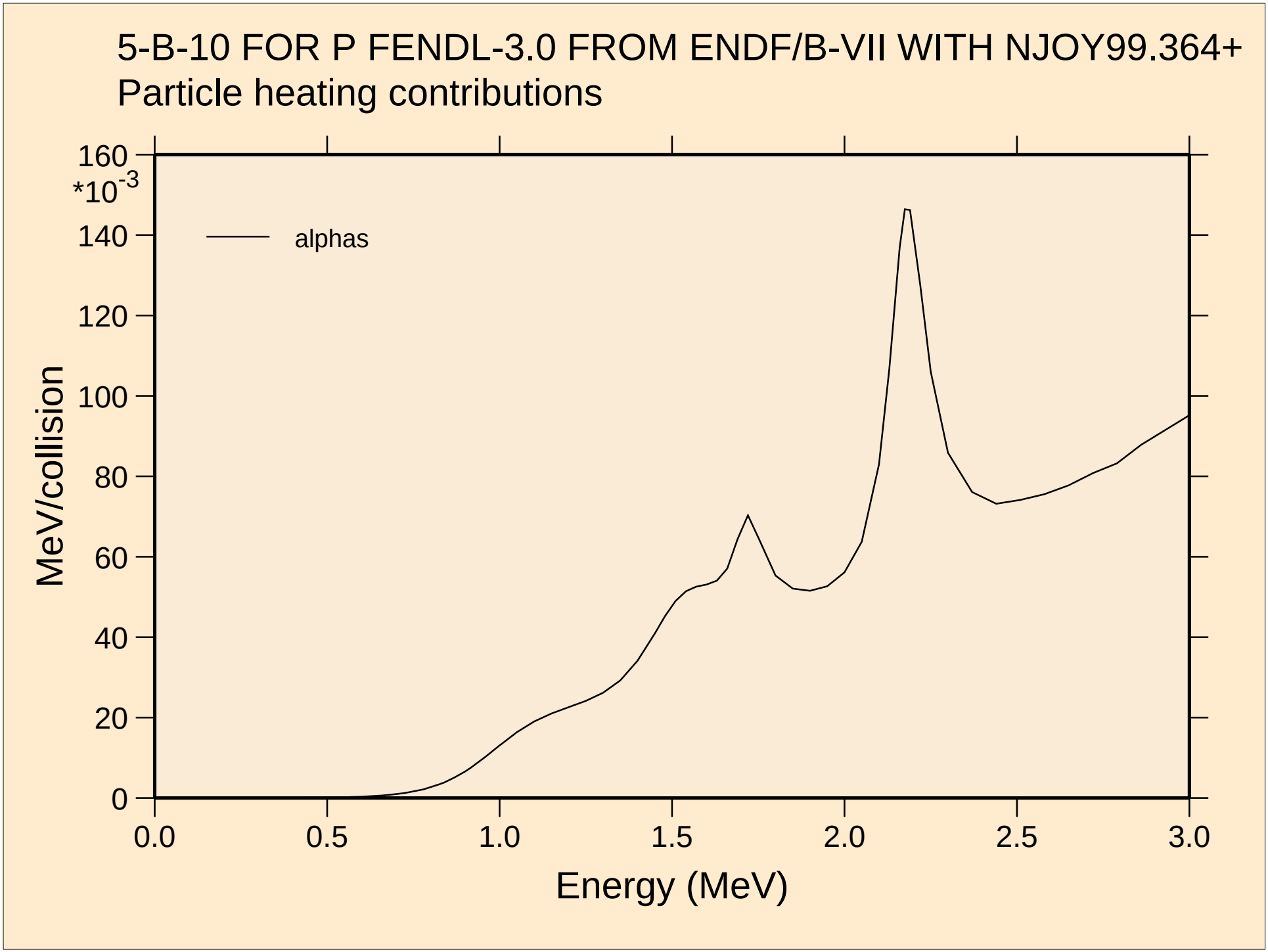

5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Heating
heating
Heating (MeV/reaction)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
10-2
10-1
100
Energy (MeV)

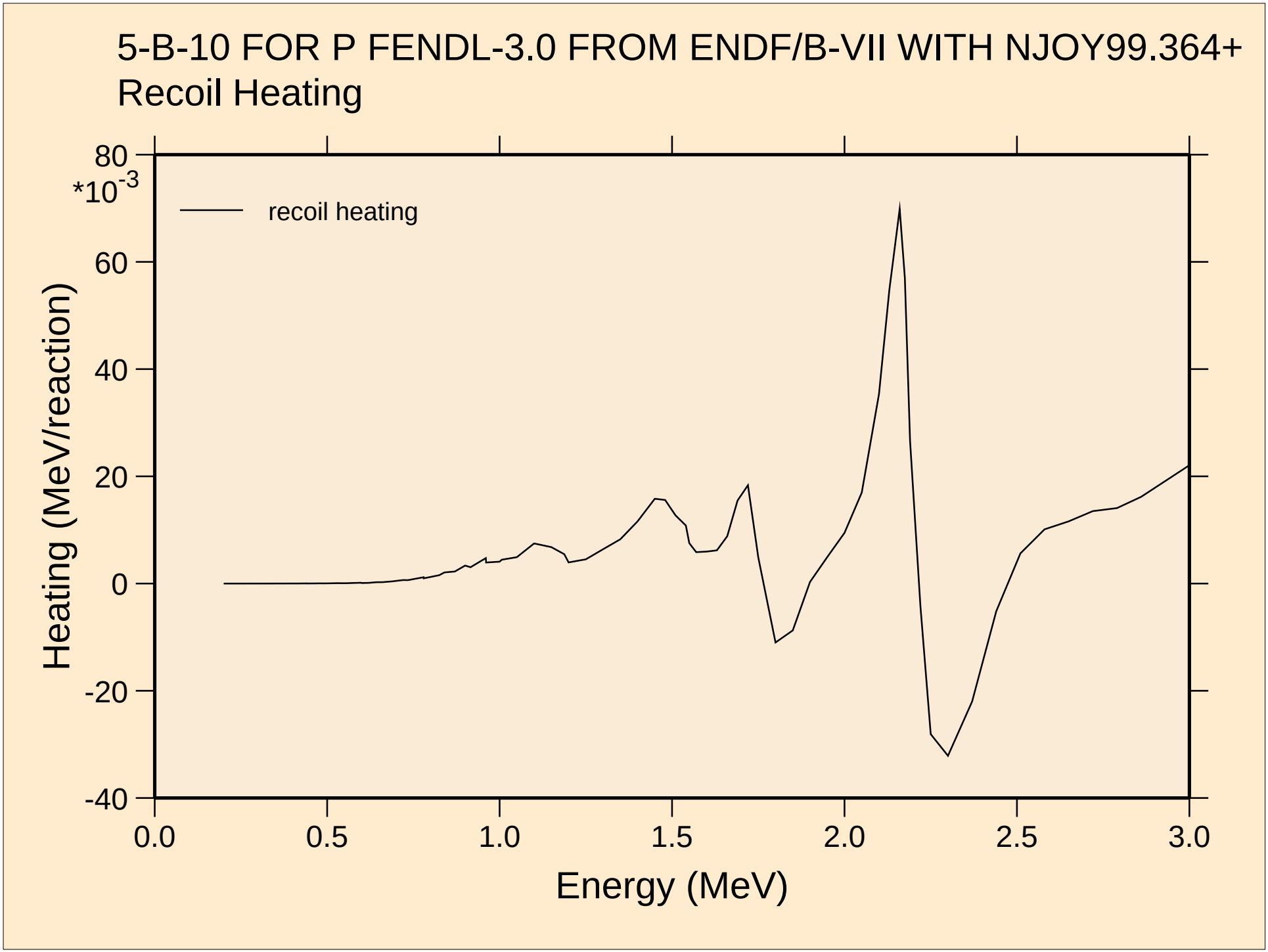

5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
0
1
2
3
4
5
6
7
2.0
2.2
2.4
2.6
2.8
3.0

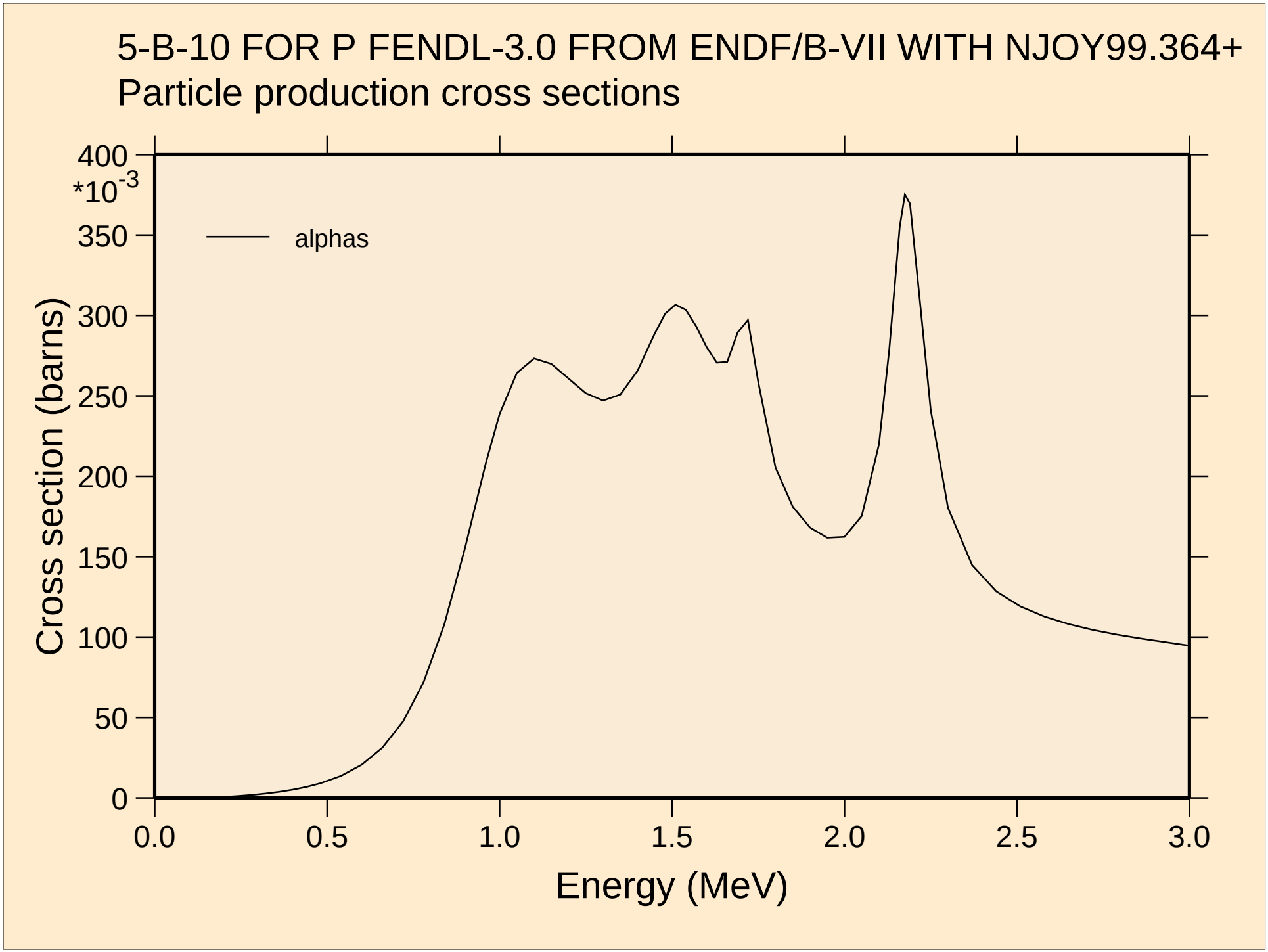

5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Heating
heating
*10-3
180
160
140
120
100
80
60
40
20
0
Heating (MeV/reaction)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)

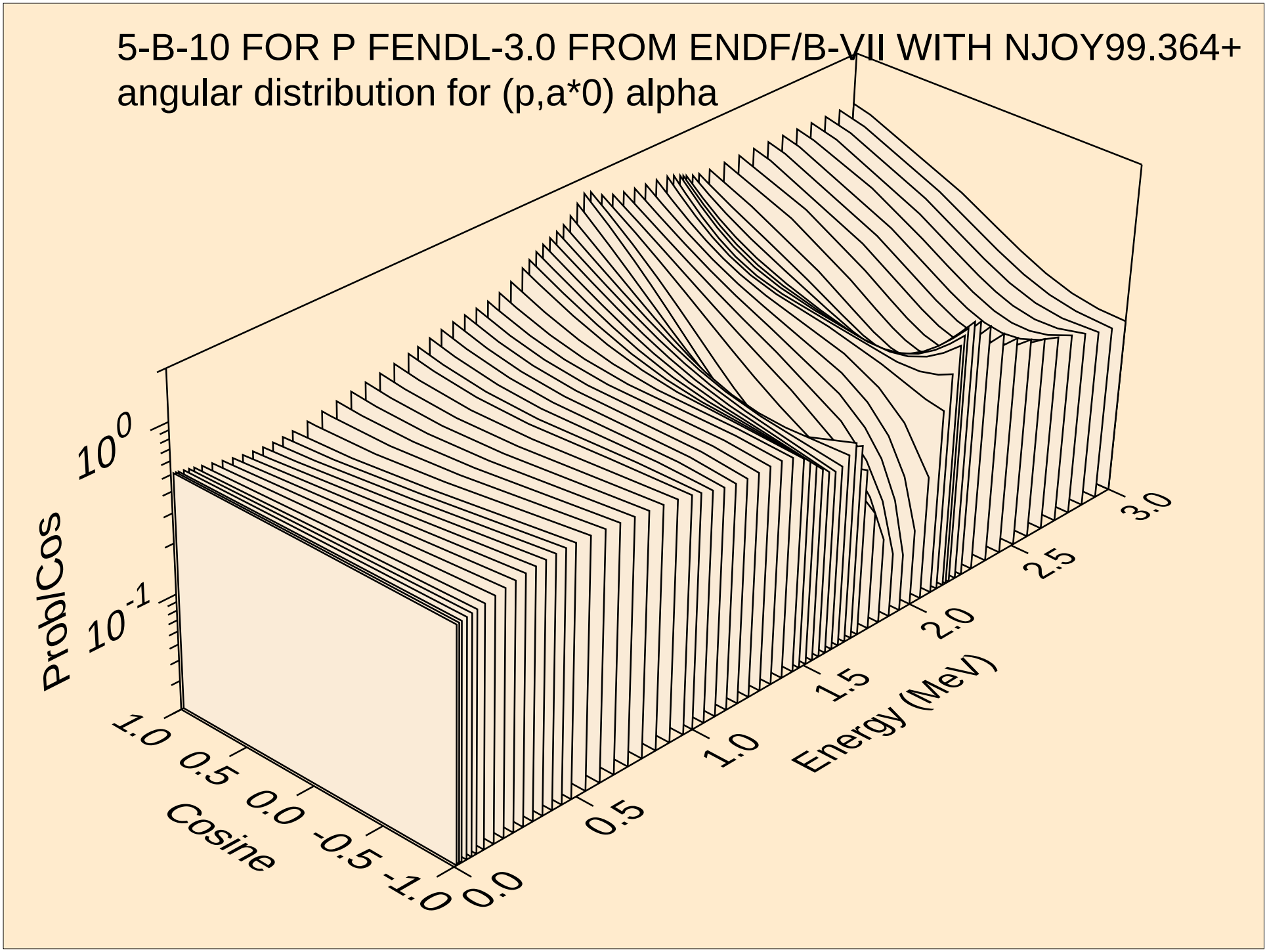

5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Threshold reactions
(p,a*0)
*10-3
400
350
300
250
200
150
100
50
0
Cross section (barns)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)


5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
angular distribution for elastic
ProbICos
10^1
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)


5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Particle heating contributions
160
*10-3
140
120
100
80
60
40
20
0
alphas
MeV/collision
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)


5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Recoil Heating
recoil heating
*10-3
80
60
40
20
0
-20
-40
Heating (MeV/reaction)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)


5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
Particle production cross sections
alphas
Cross section (barns)
*10-3
400
350
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)


5-B-10 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+
angular distribution for (p,a*0) alpha
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Energy (MeV)