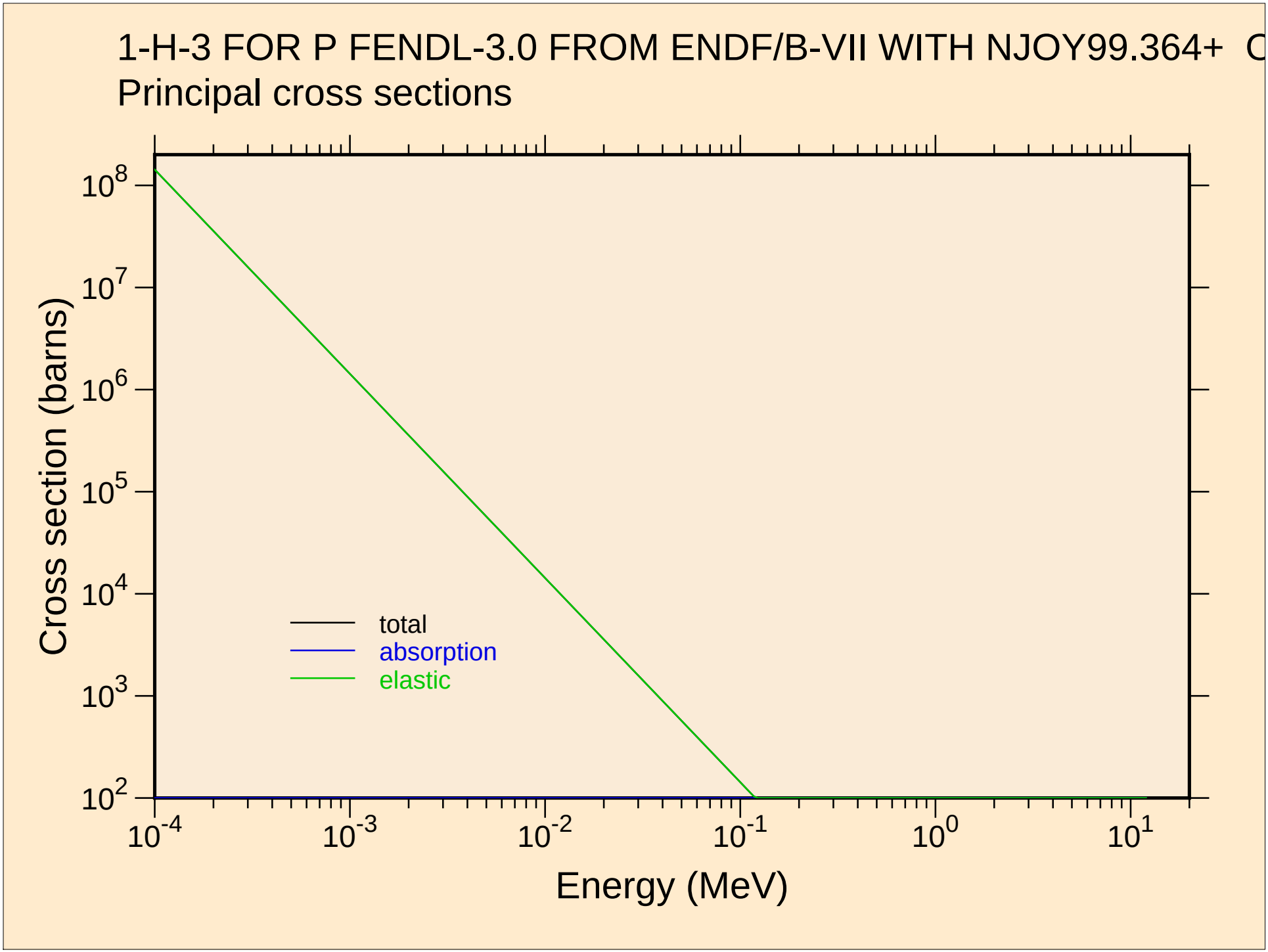
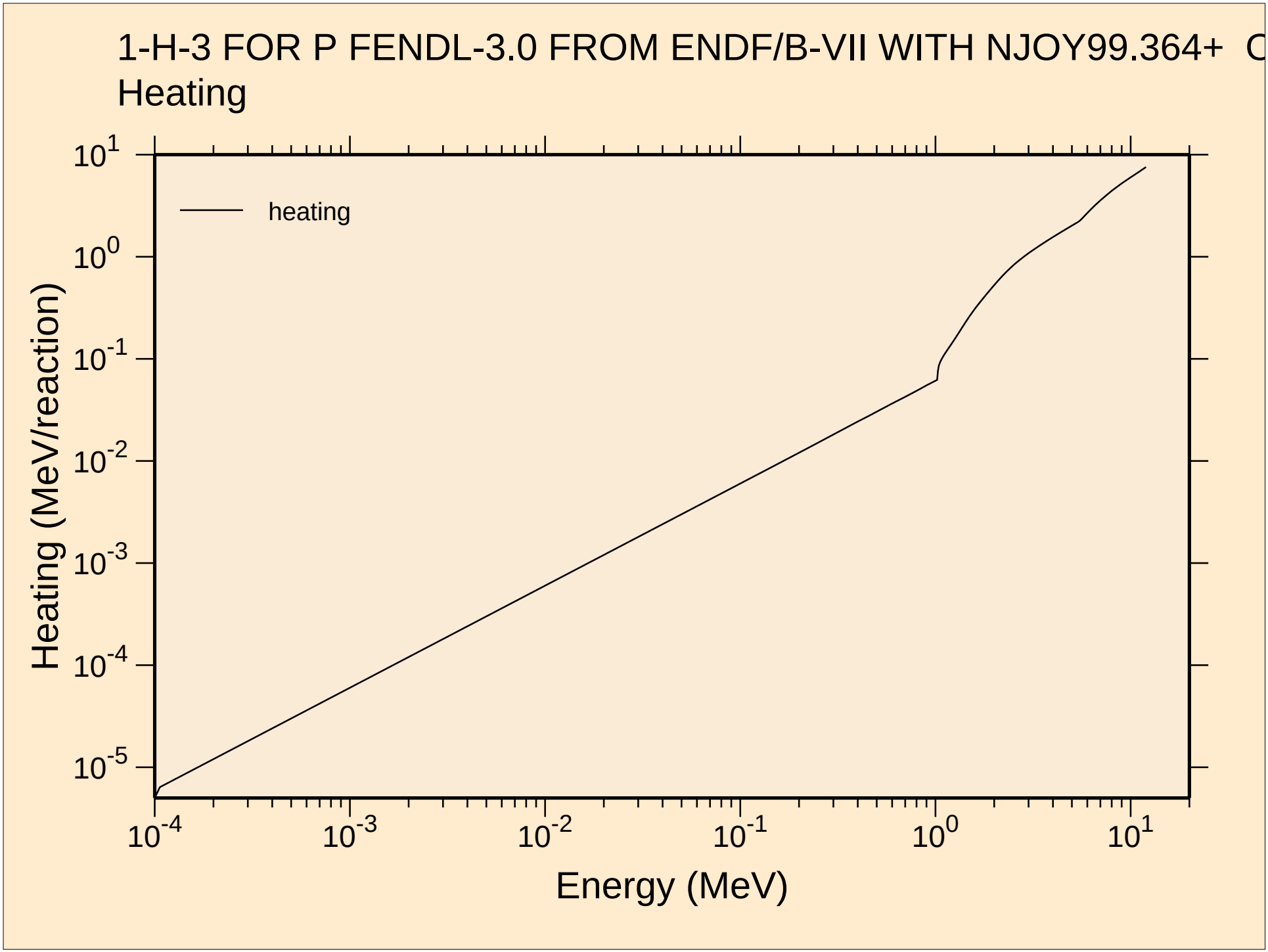
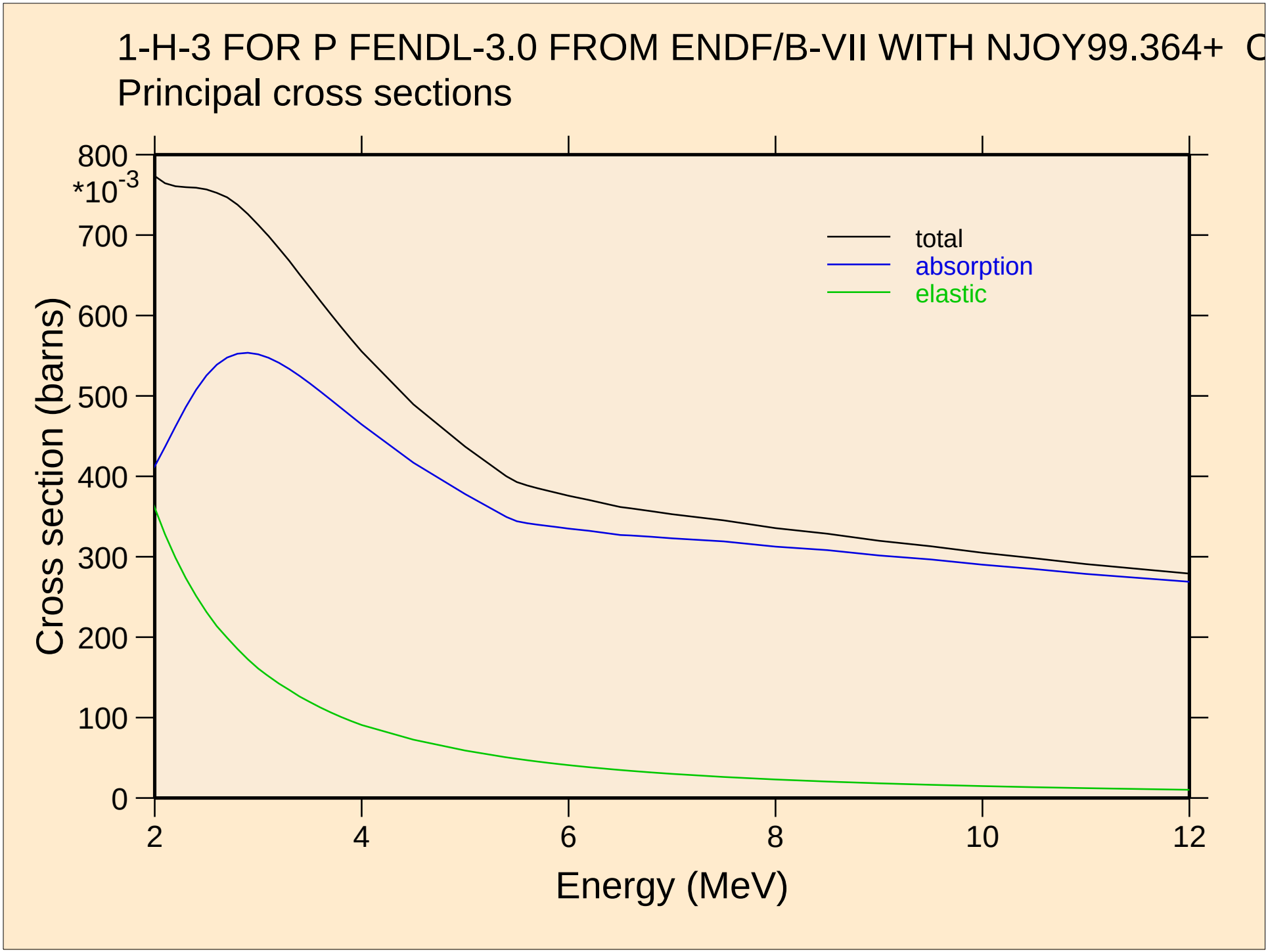
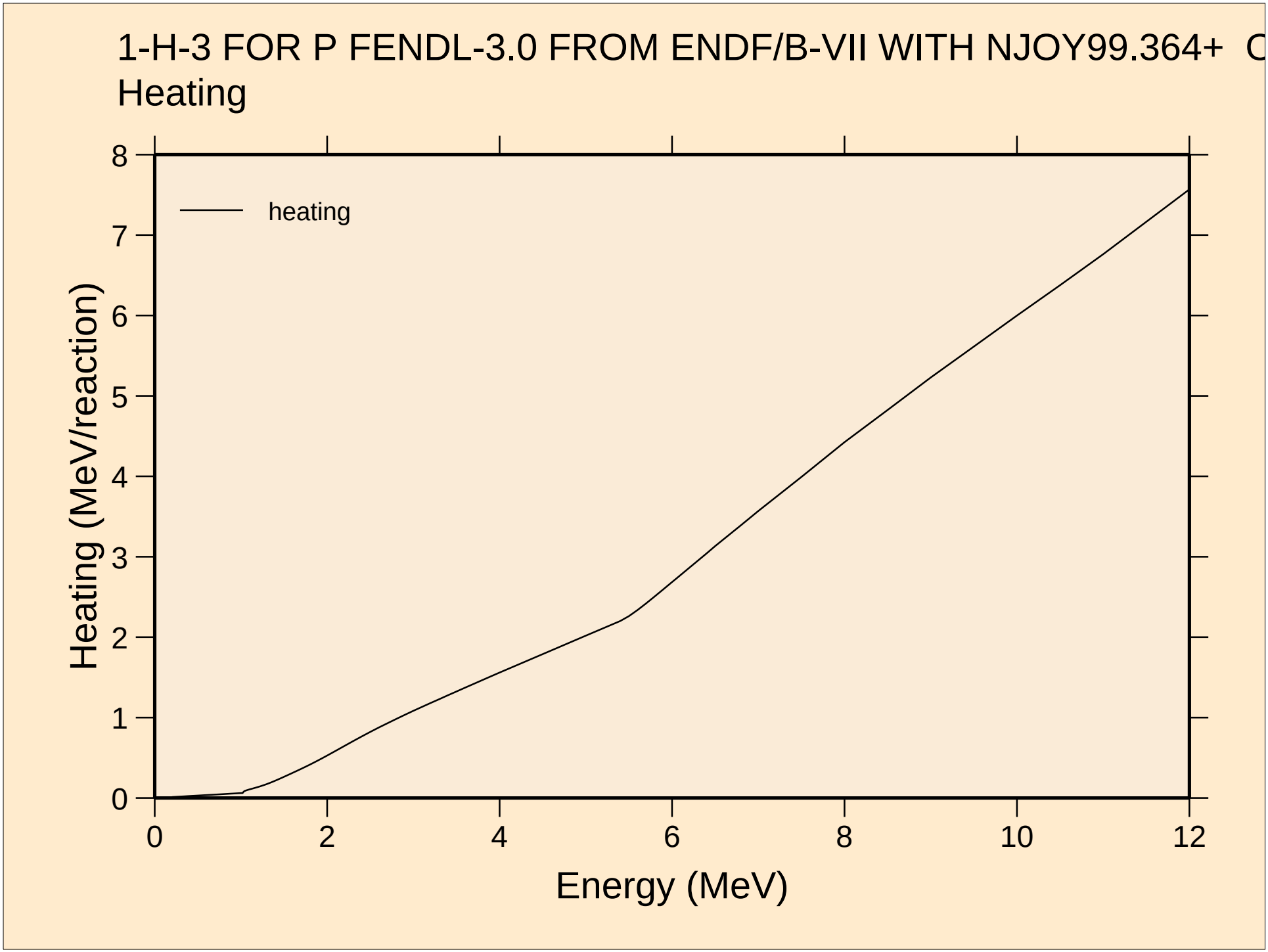
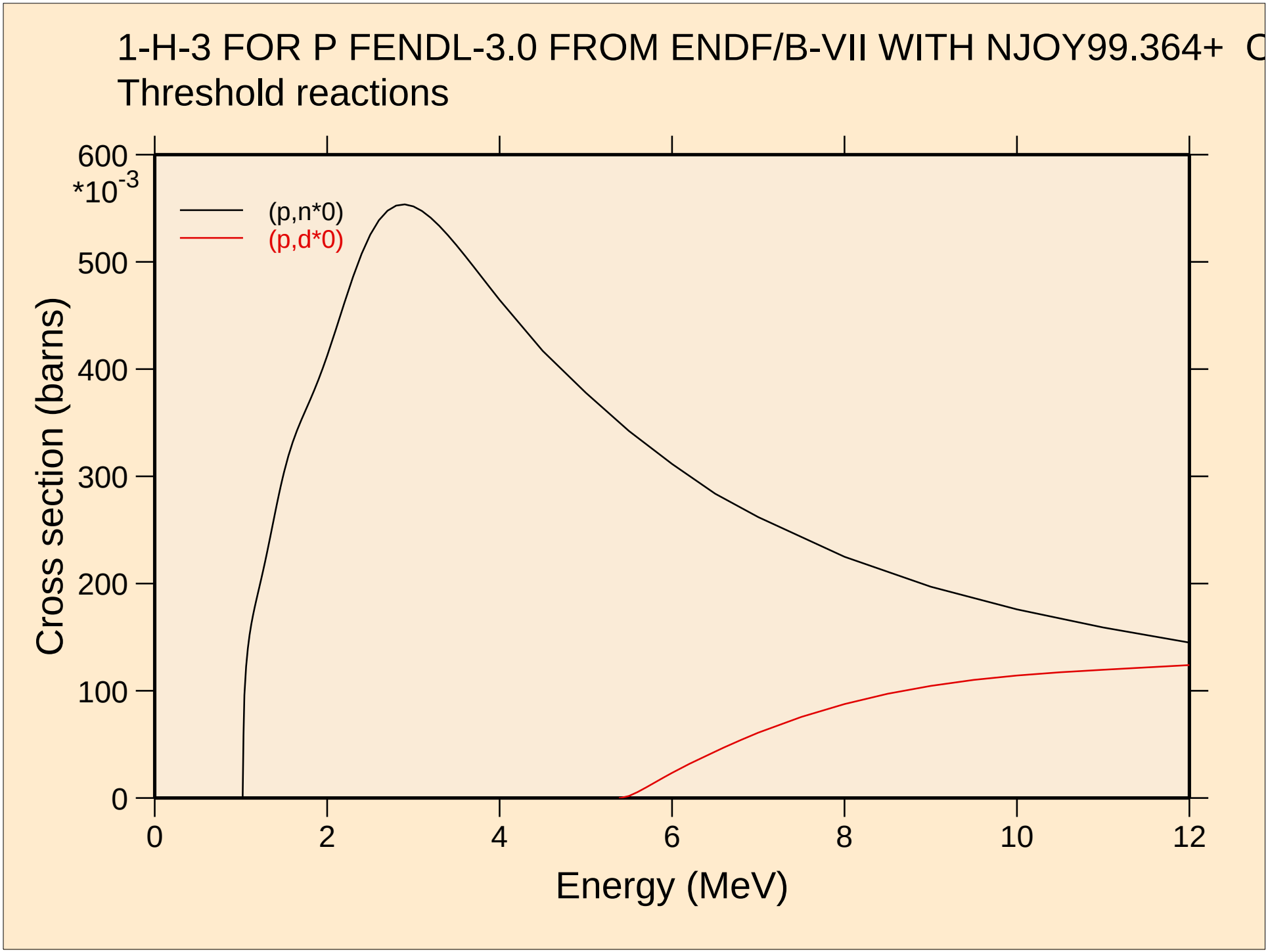
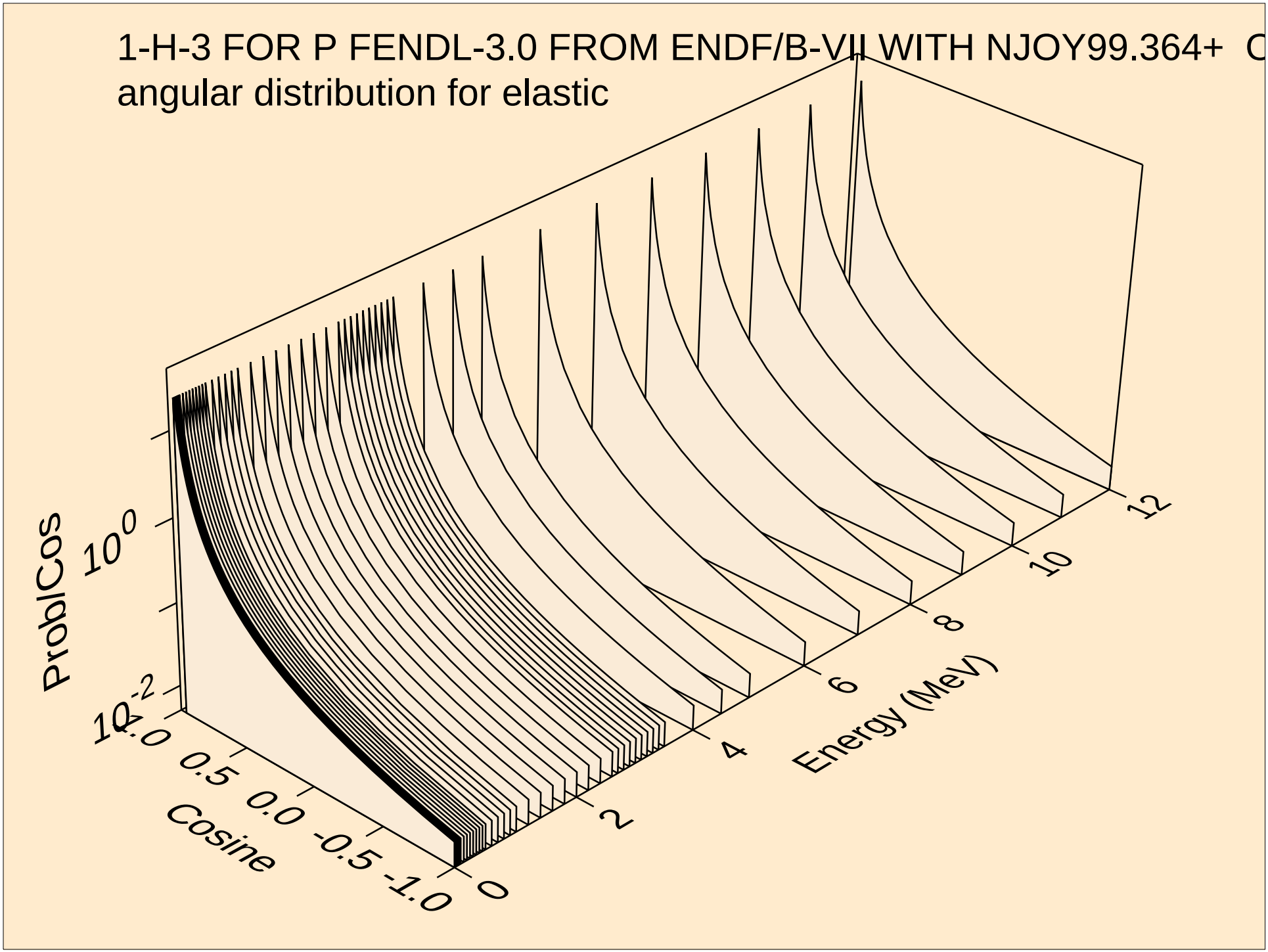

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
10^8
10^7
10^6
10^5
10^4
10^3
10^2
10^-4
10^-3
10^-2
10^-1
10^0
10^1

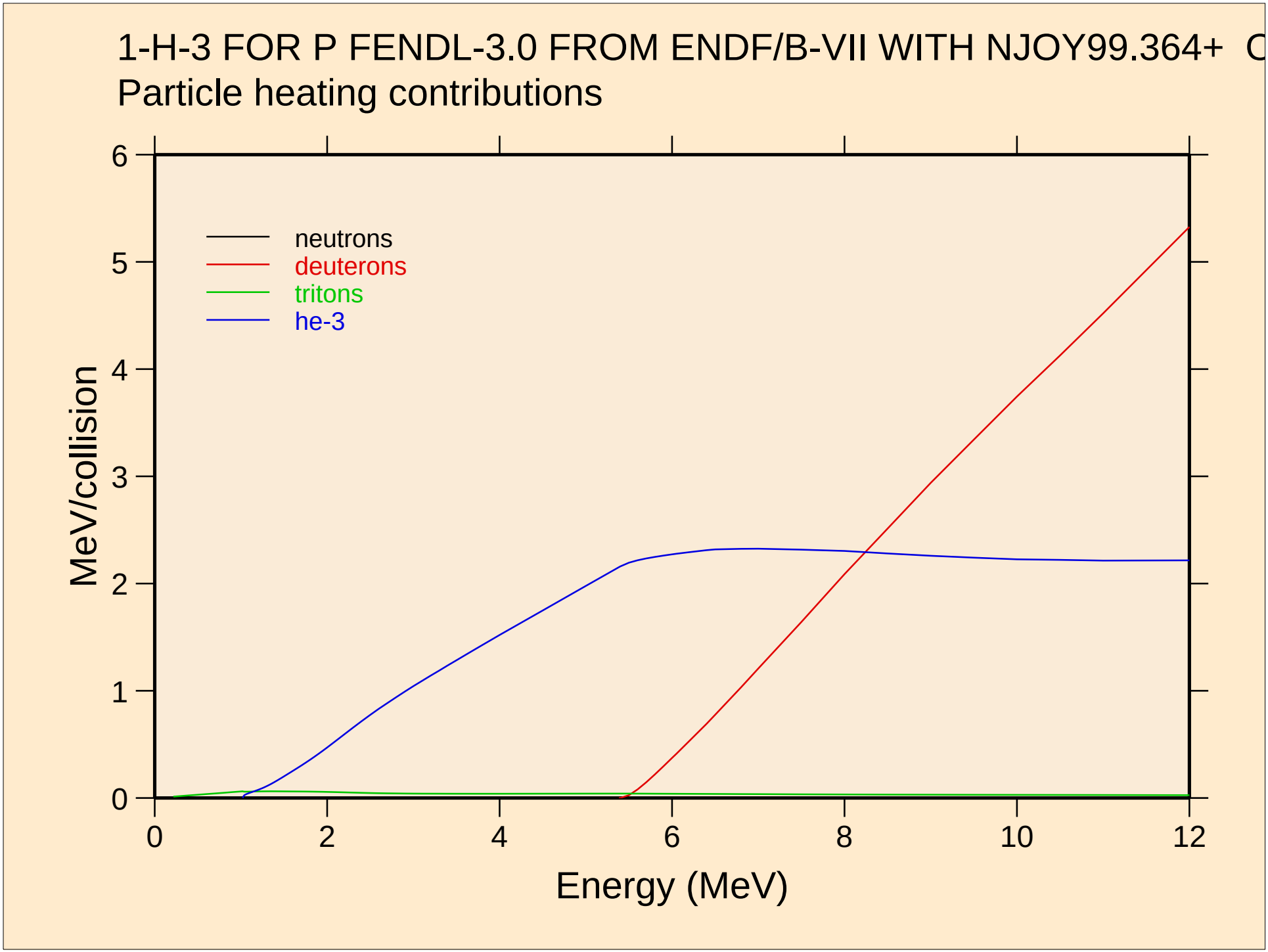

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1

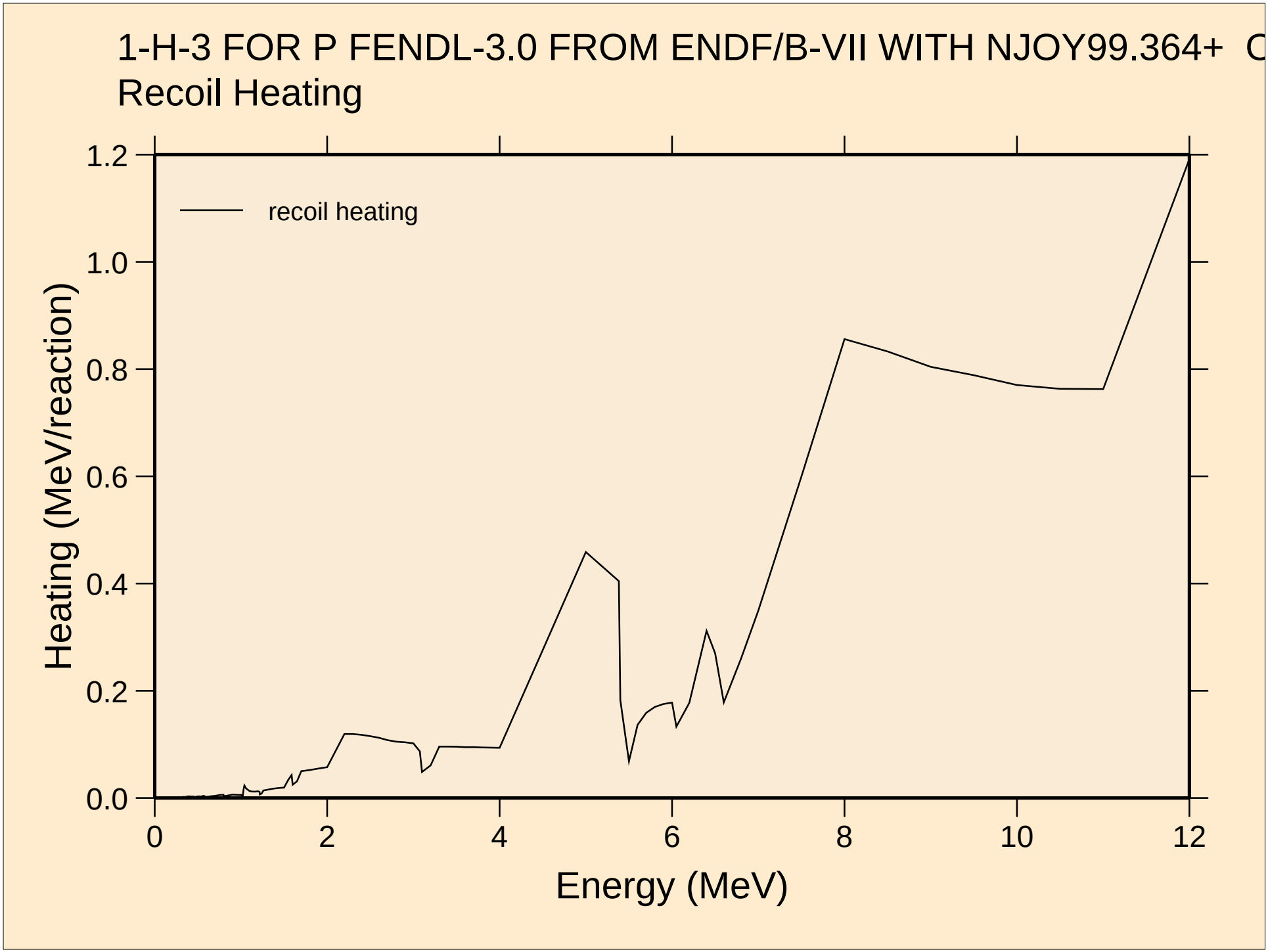

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Principal cross sections
800
*10-3
700
600
500
400
300
200
100
0
Cross section (barns)
2
4
6
8
10
12
Energy (MeV)
total
absorption
elastic

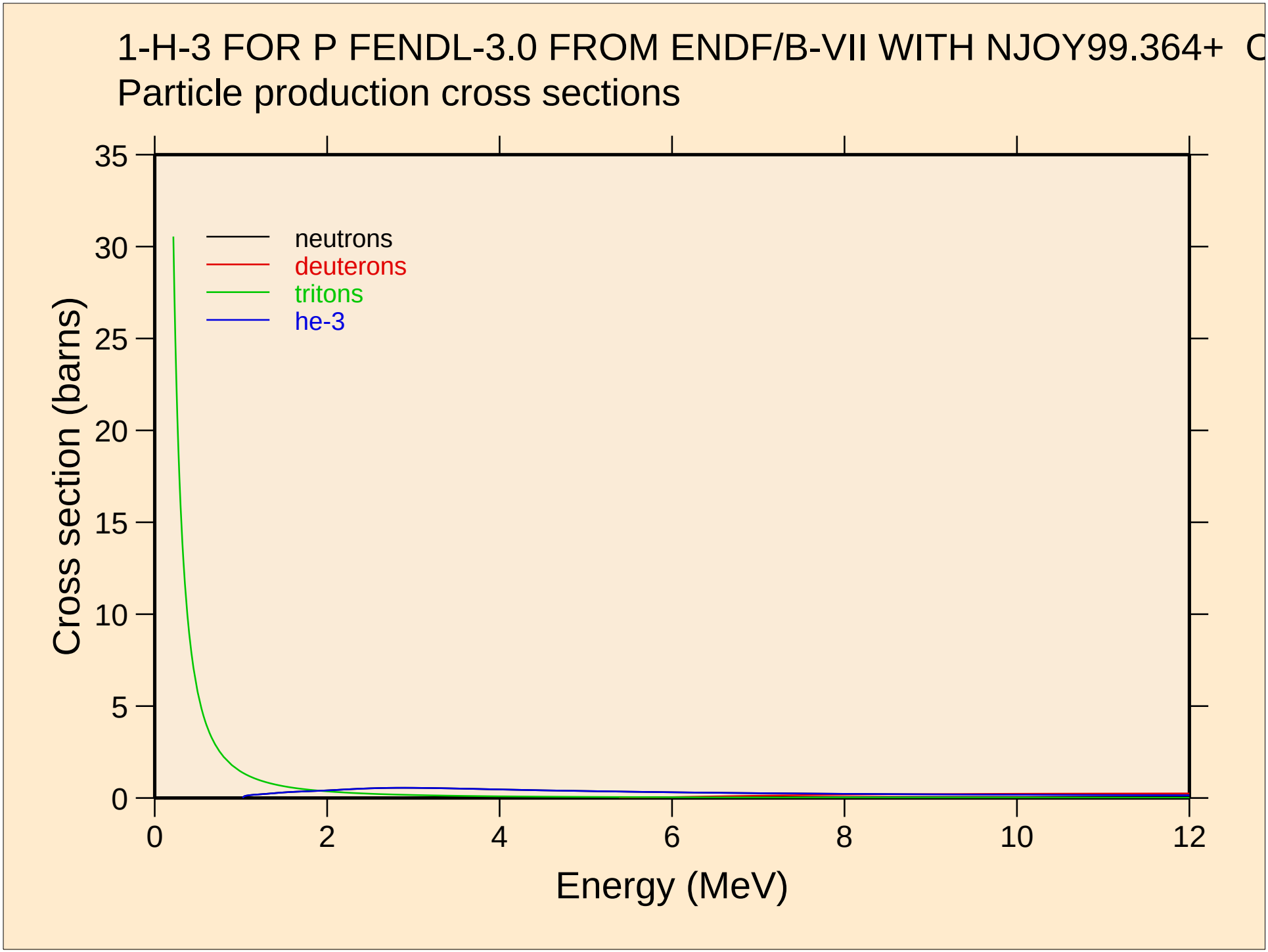

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
1
2
3
4
5
6
7
8
0
2
4
6
8
10
12

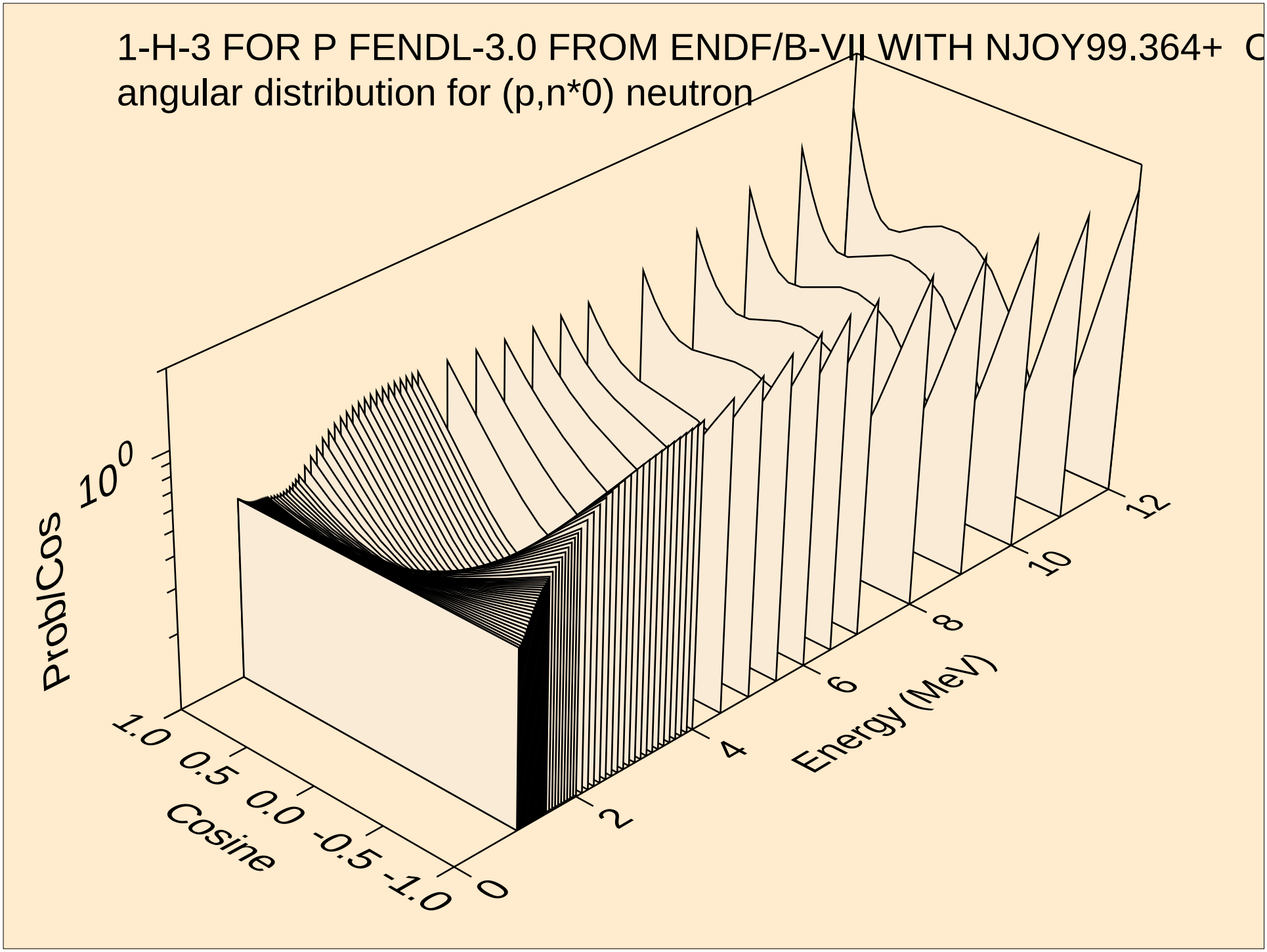

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Threshold reactions
600
*10-3
500
400
300
200
100
0
(p,n*0)
(p,d*0)
Cross section (barns)
0
2
4
6
8
10
12
Energy (MeV)

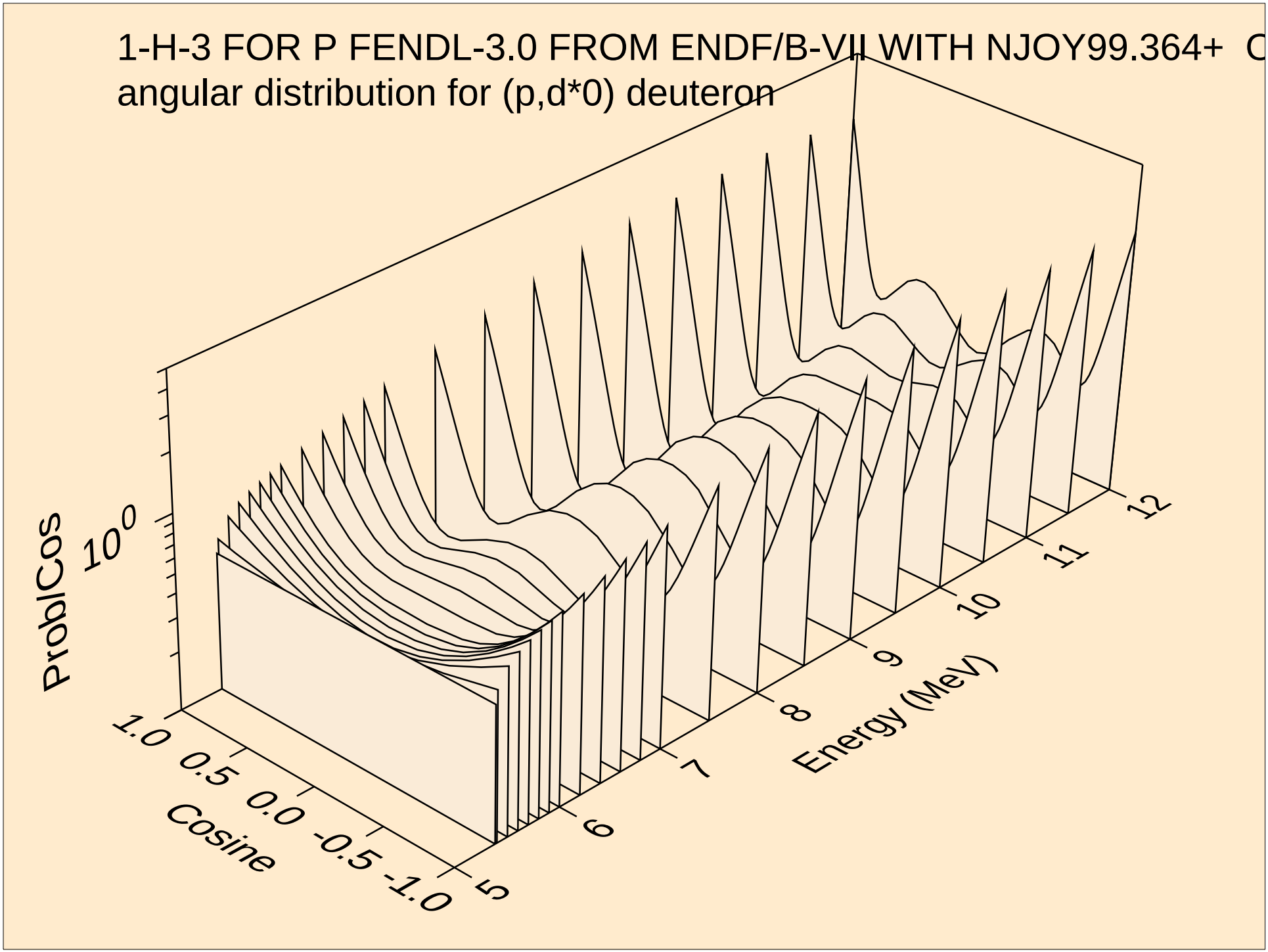

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for elastic
ProbICos
10^{0}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)

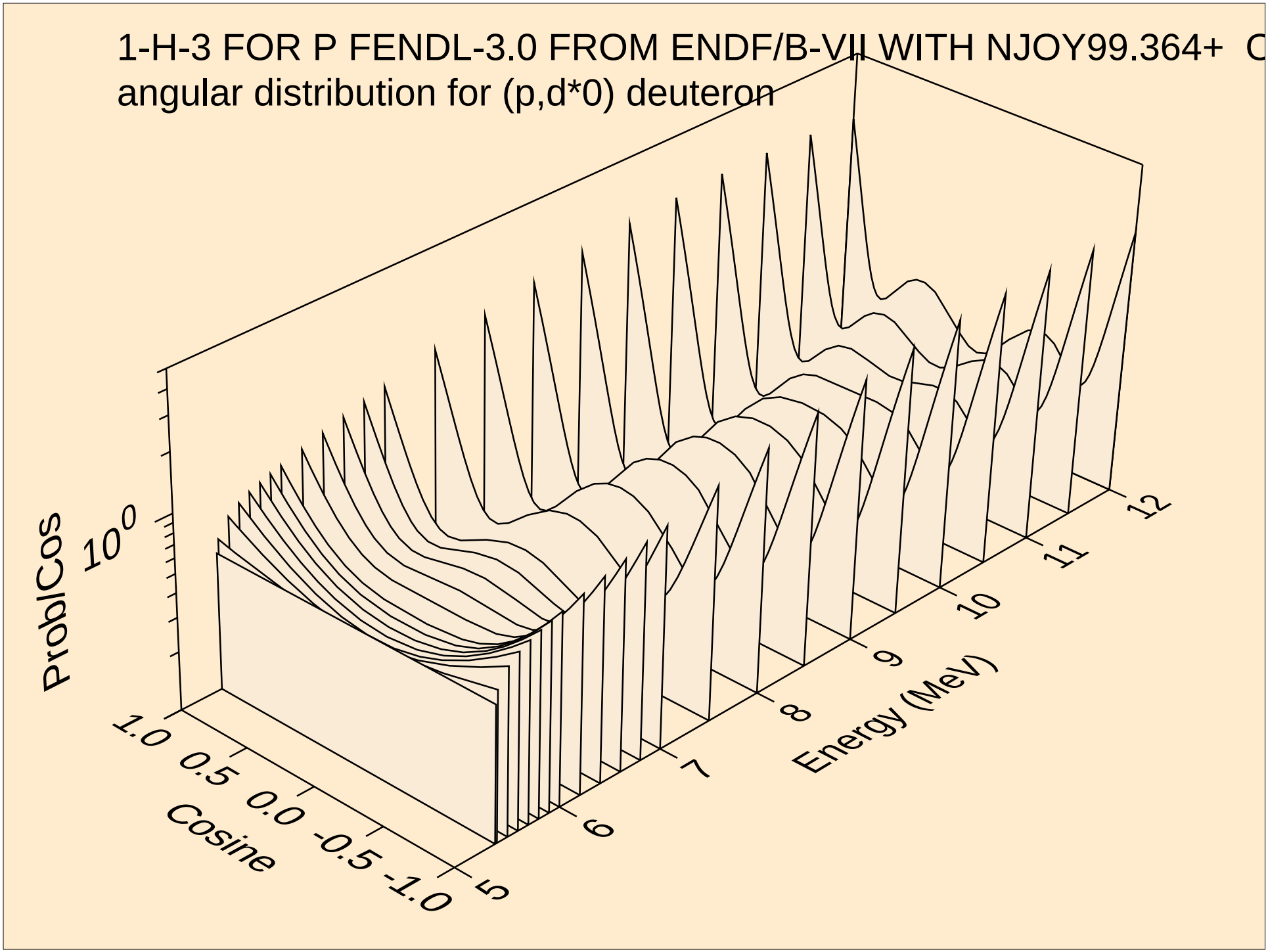

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Particle heating contributions
neutrons
deuterons
tritons
he-3
MeV/collision
Energy (MeV)
0
1
2
3
4
5
6
0
2
4
6
8
10
12

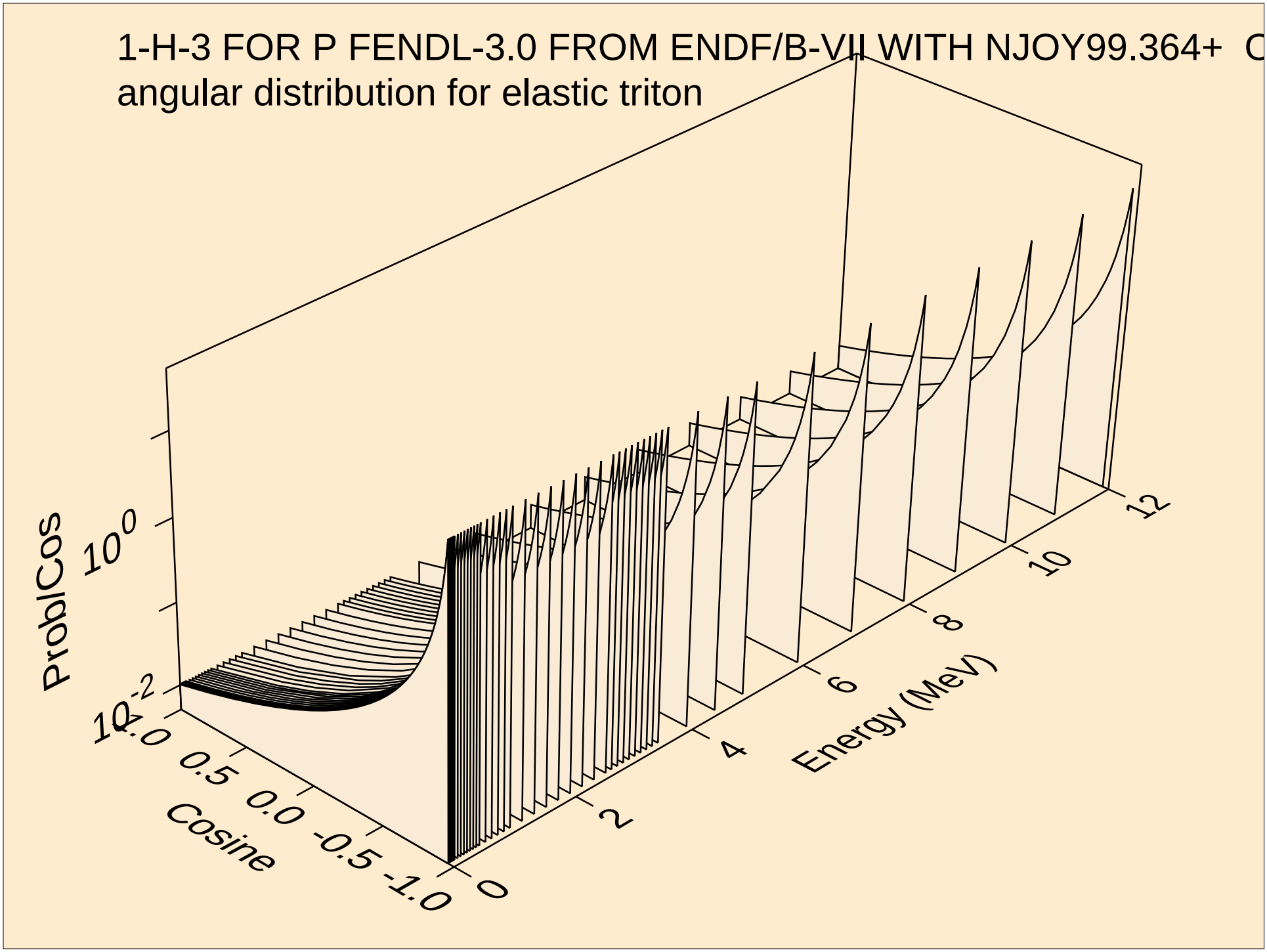

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
2
4
6
8
10
12

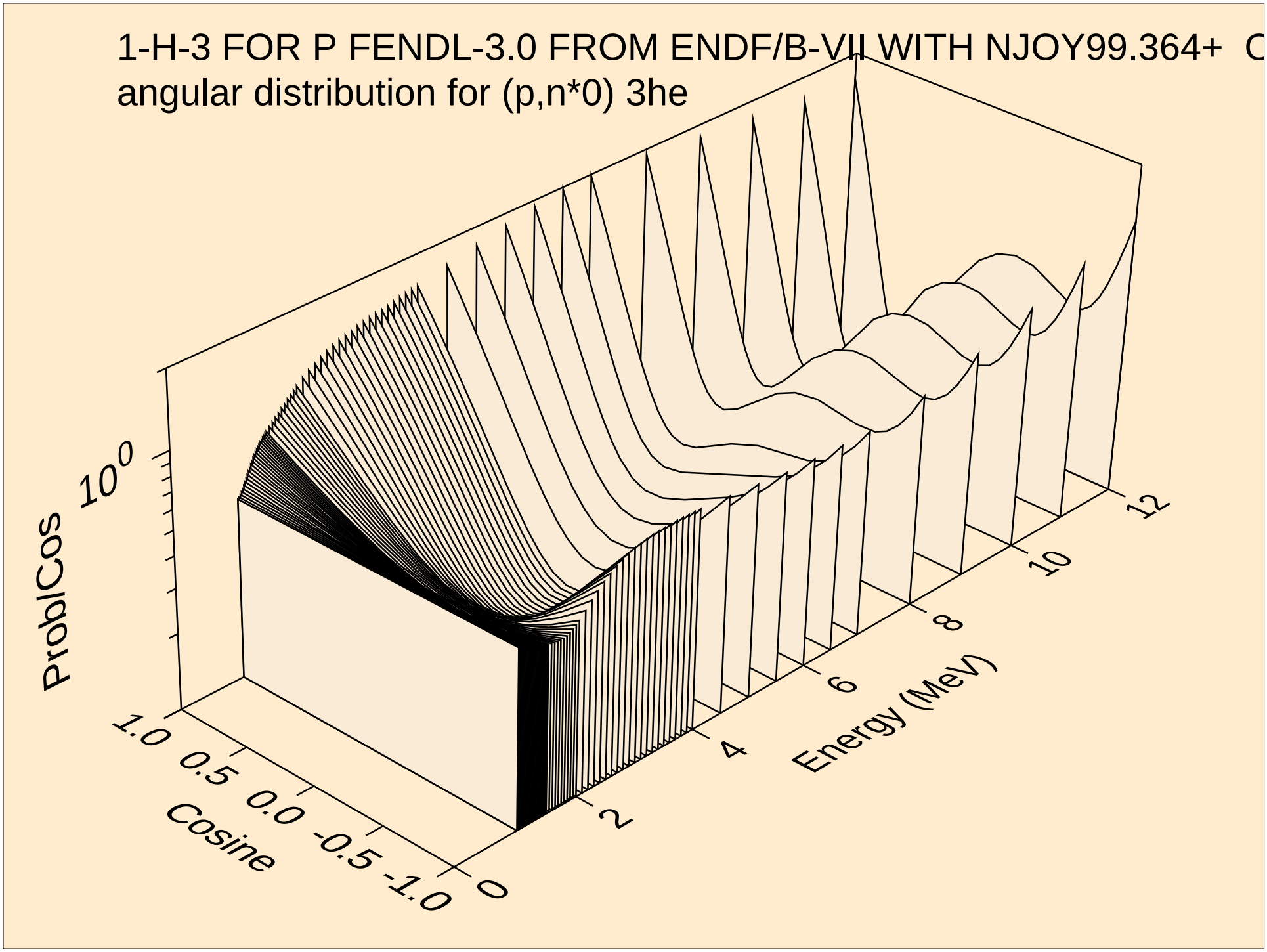

1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
Particle production cross sections
neutrons
deuterons
tritons
he-3
Cross section (barns)
Energy (MeV)
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12


1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,n*0) neutron
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)


1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,d*0) deuteron
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
6
7
8
9
10
11
12
Energy (MeV)


1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,d*0) deuteron
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
6
7
8
9
10
11
12
Energy (MeV)


1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for elastic triton
ProbICos
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)


1-H-3 FOR P FENDL-3.0 FROM ENDF/B-VII WITH NJOY99.364+ C
angular distribution for (p,n*0) 3he
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)