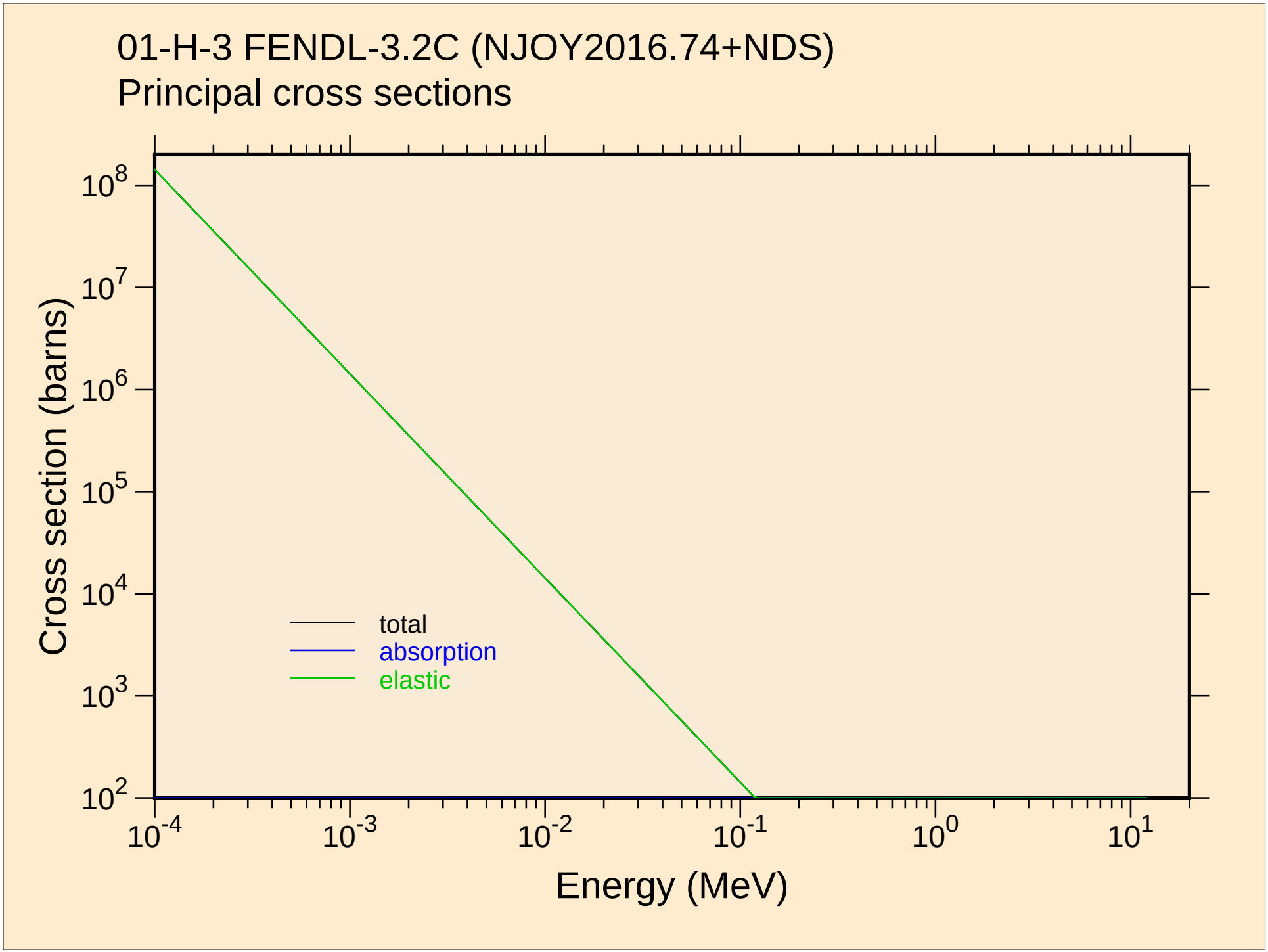
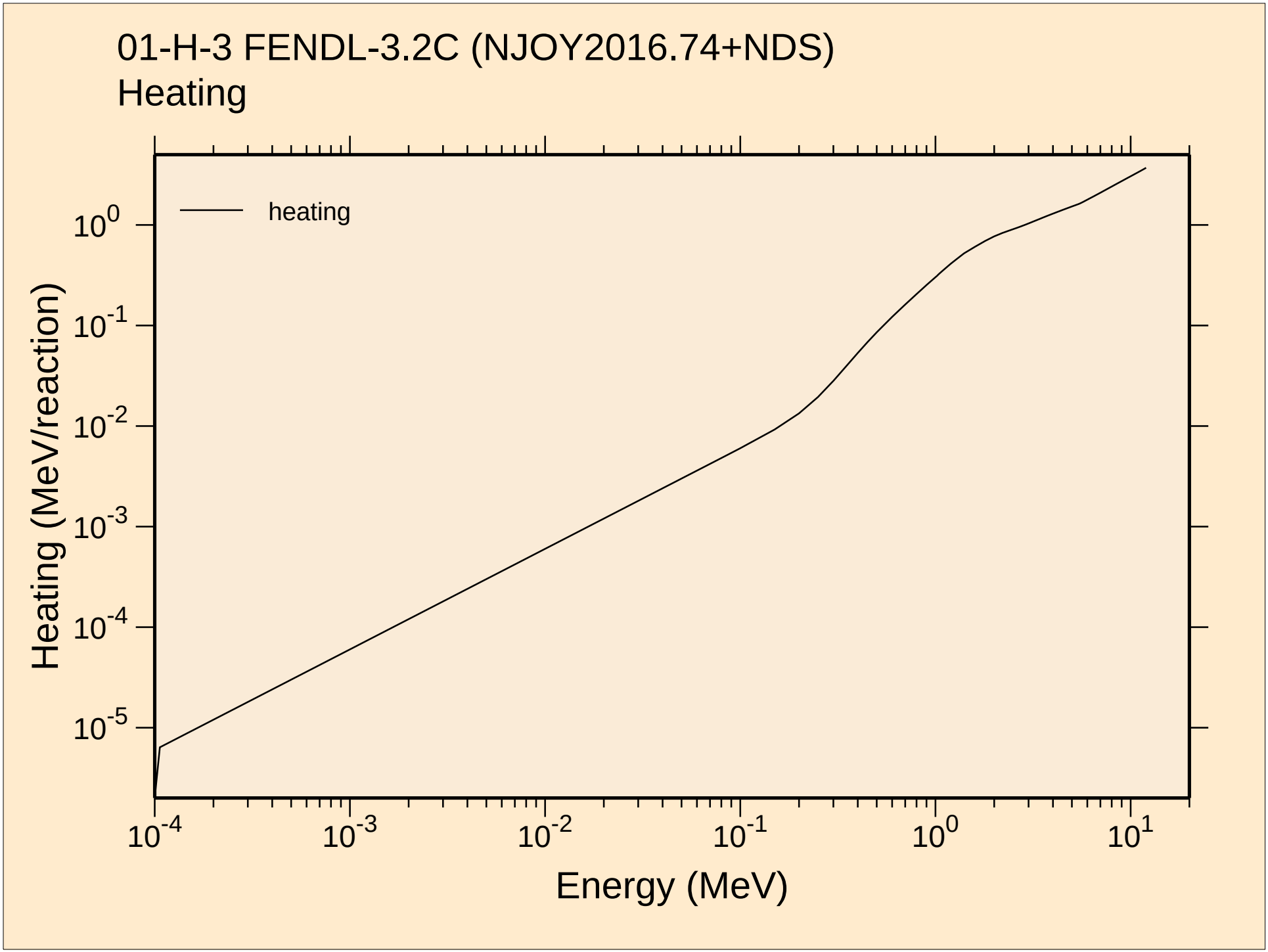
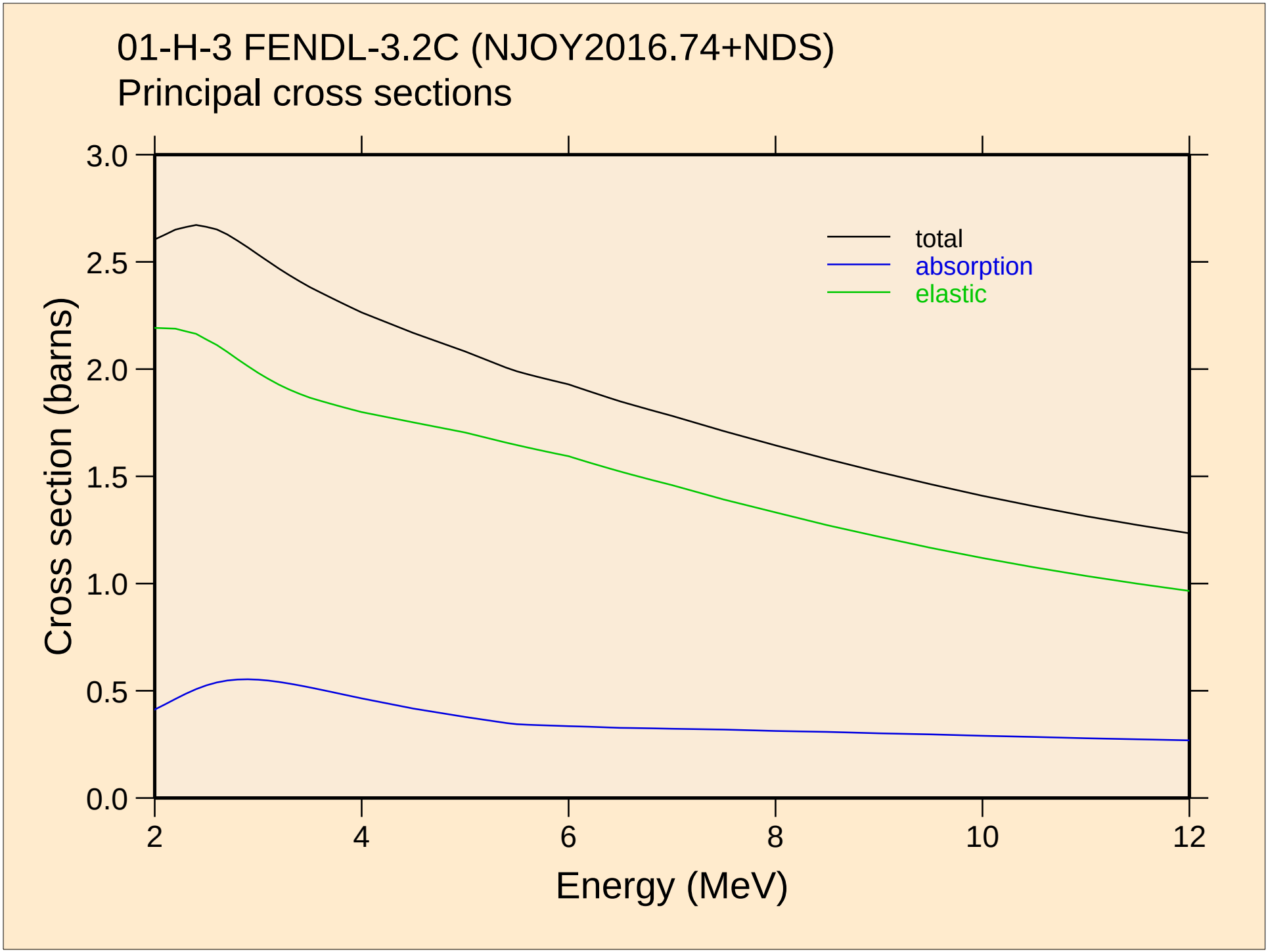
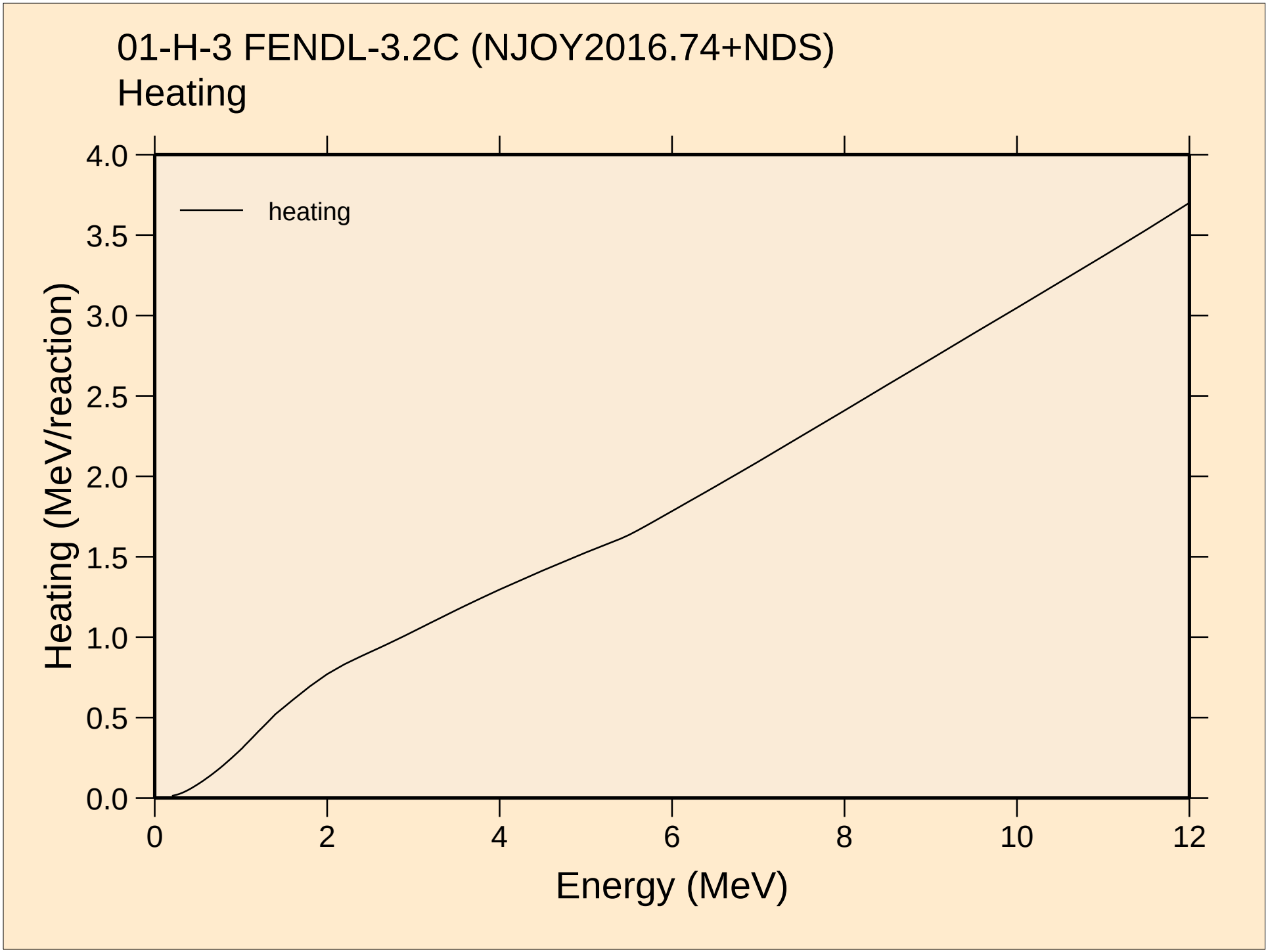
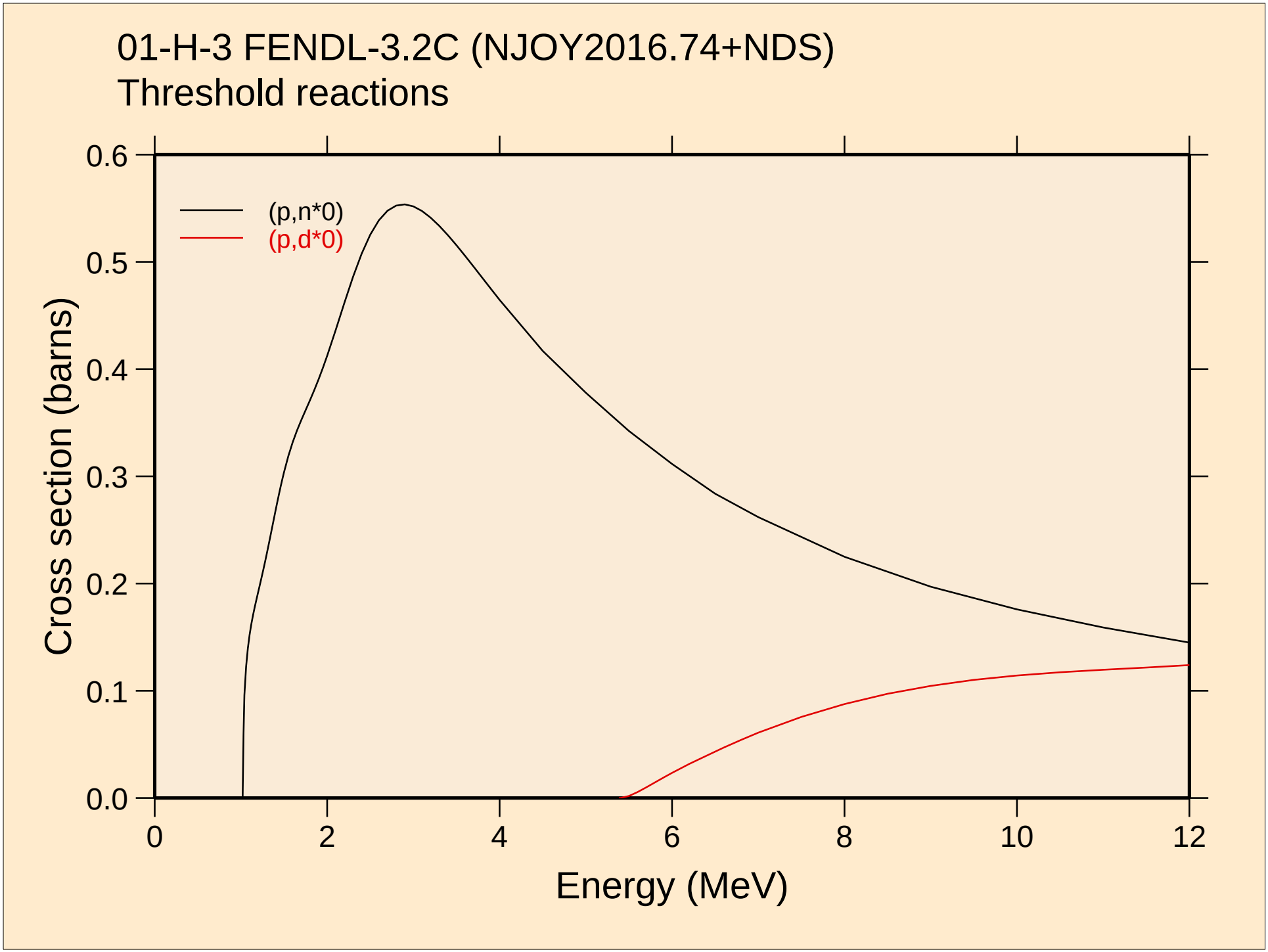
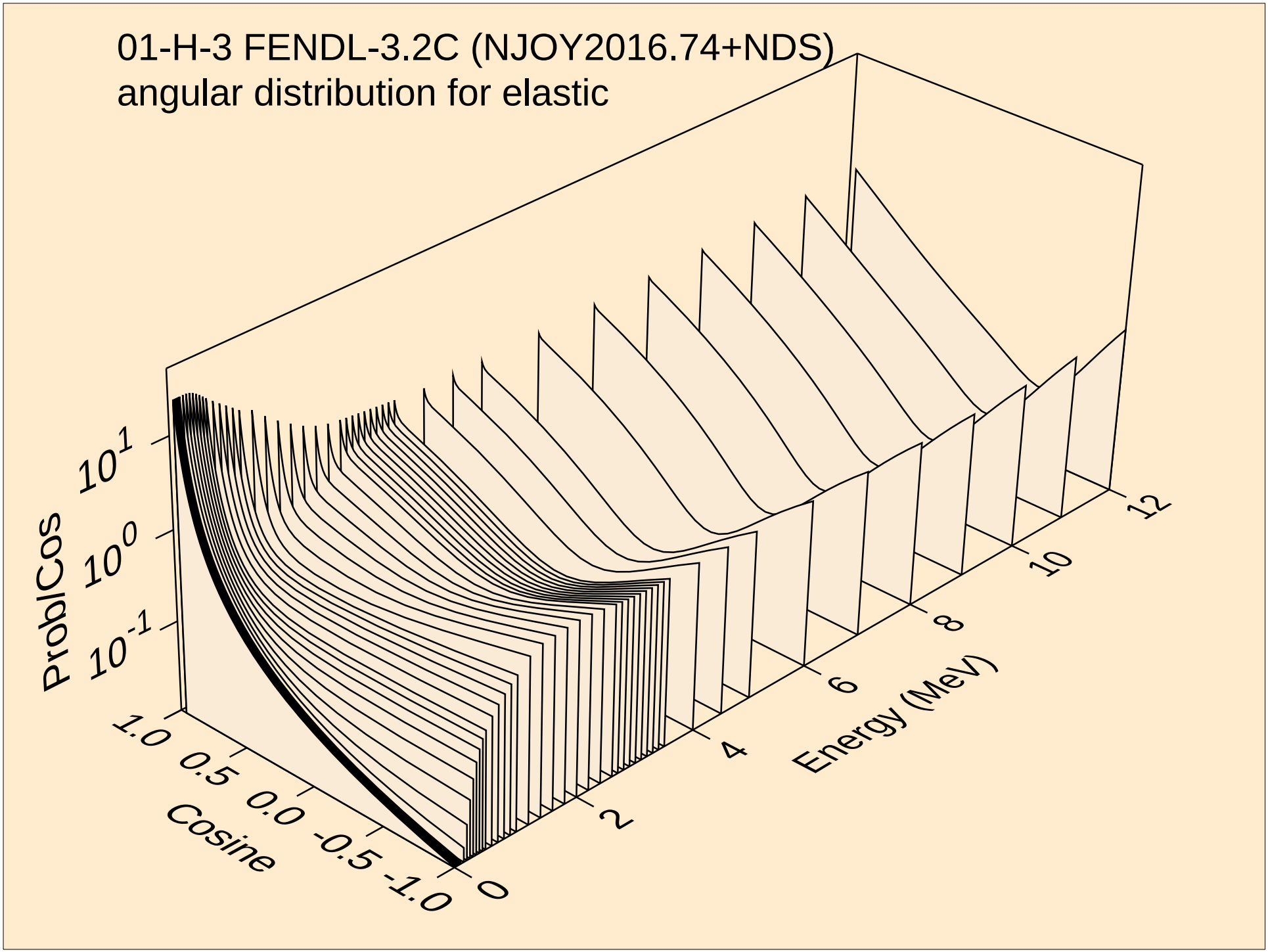

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
10^8
10^7
10^6
10^5
10^4
10^3
10^2
10^-4
10^-3
10^-2
10^-1
10^0
10^1

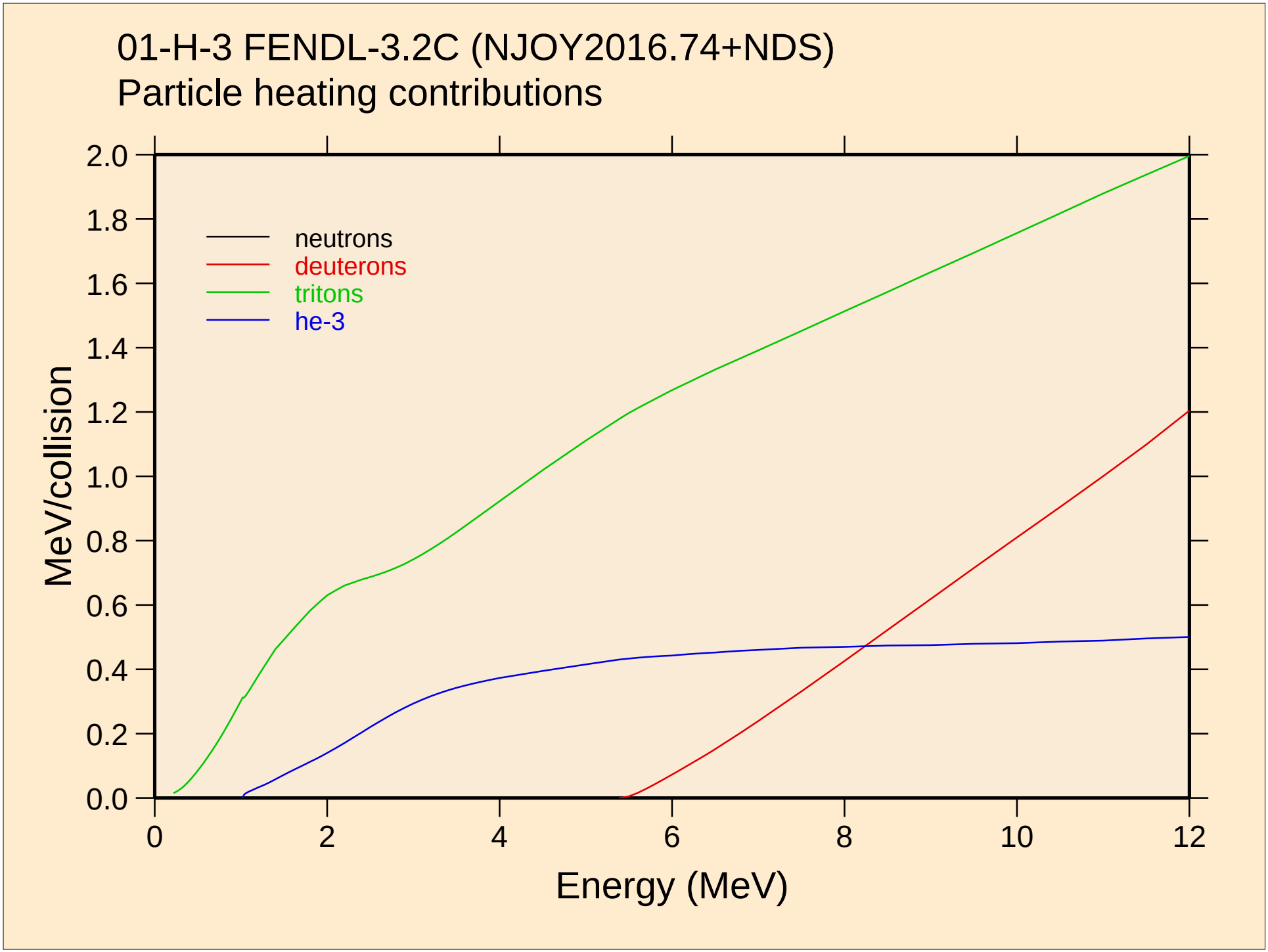

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1

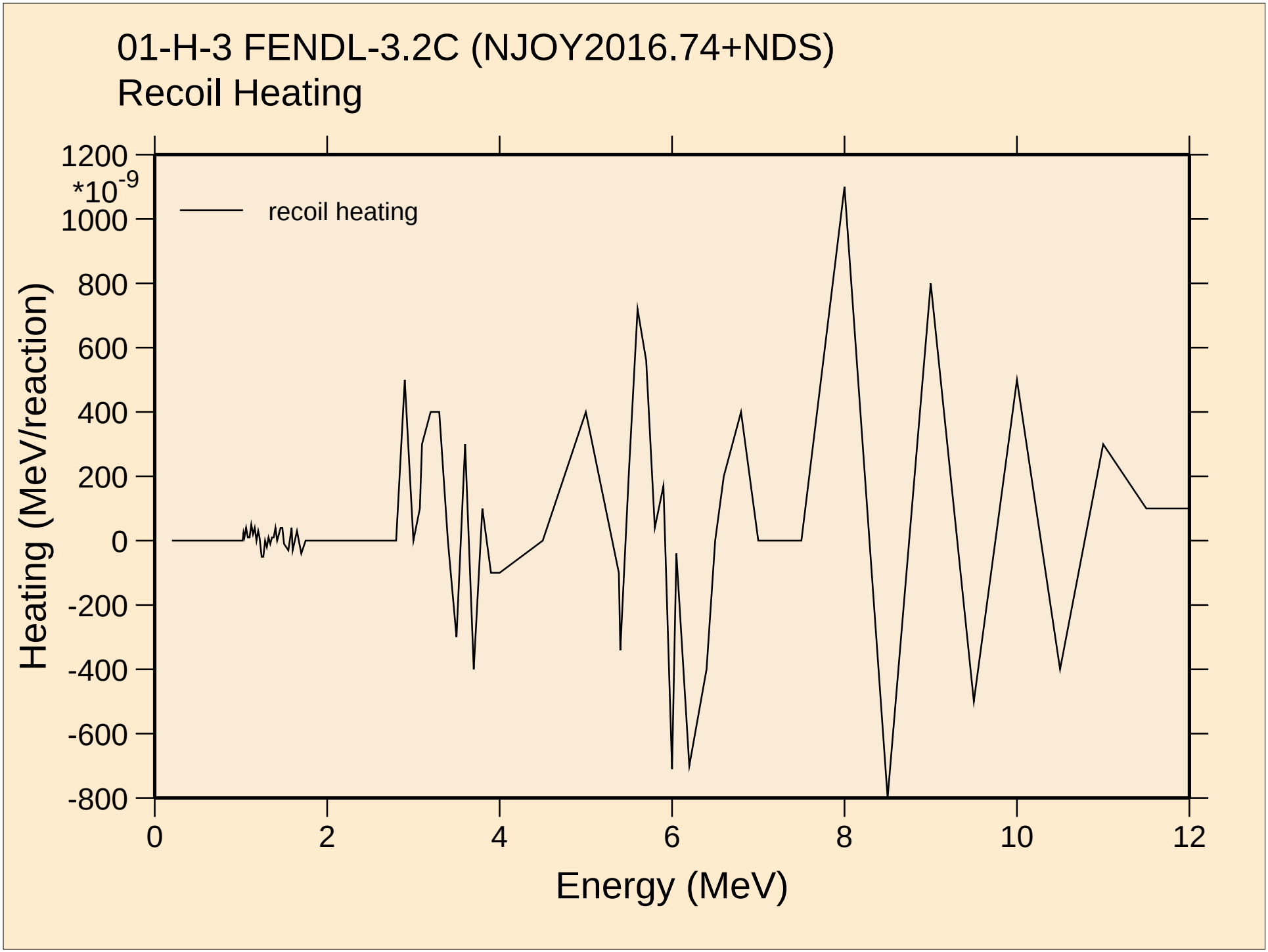

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
4
6
8
10
12

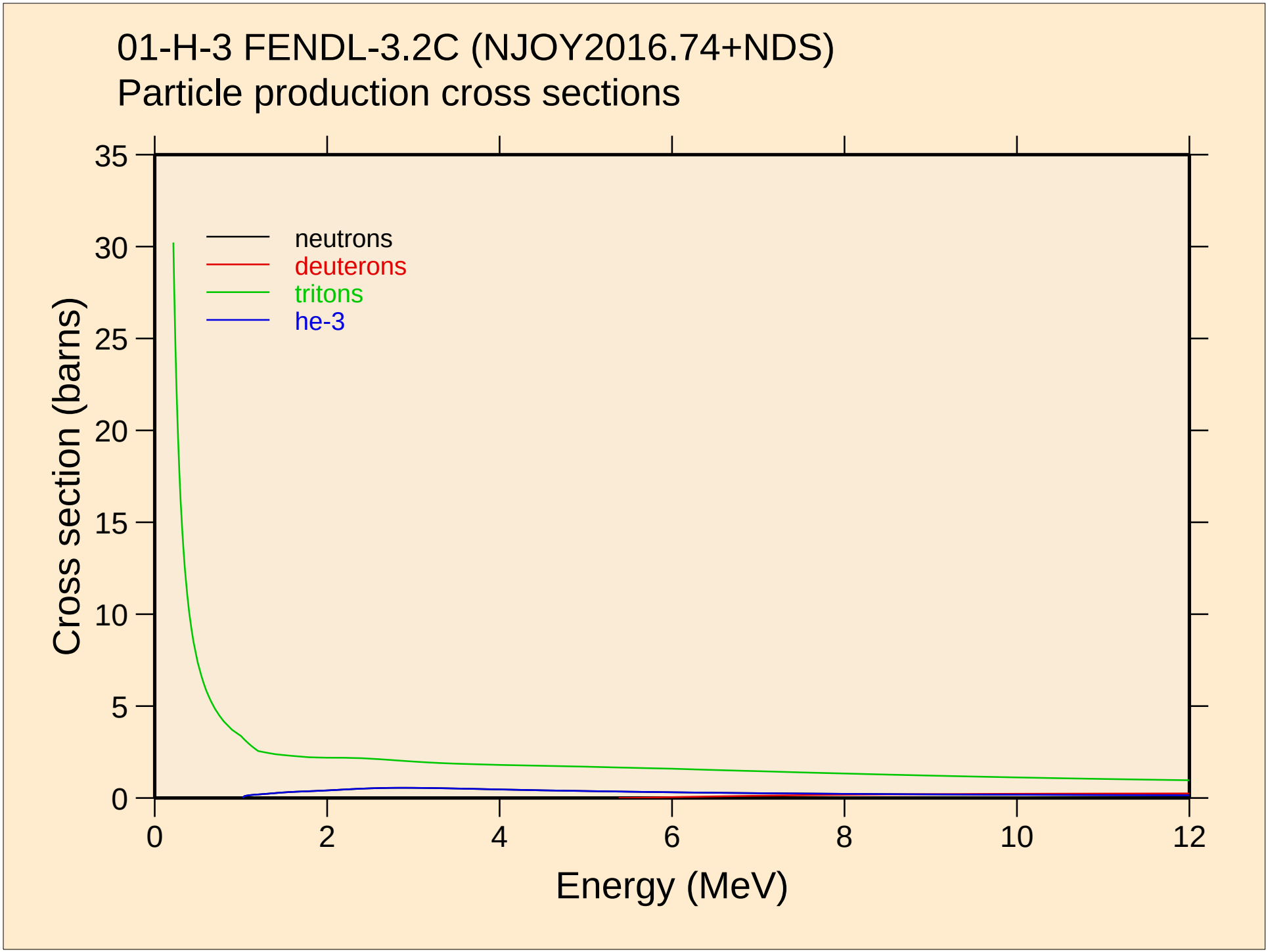

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
0
2
4
6
8
10
12

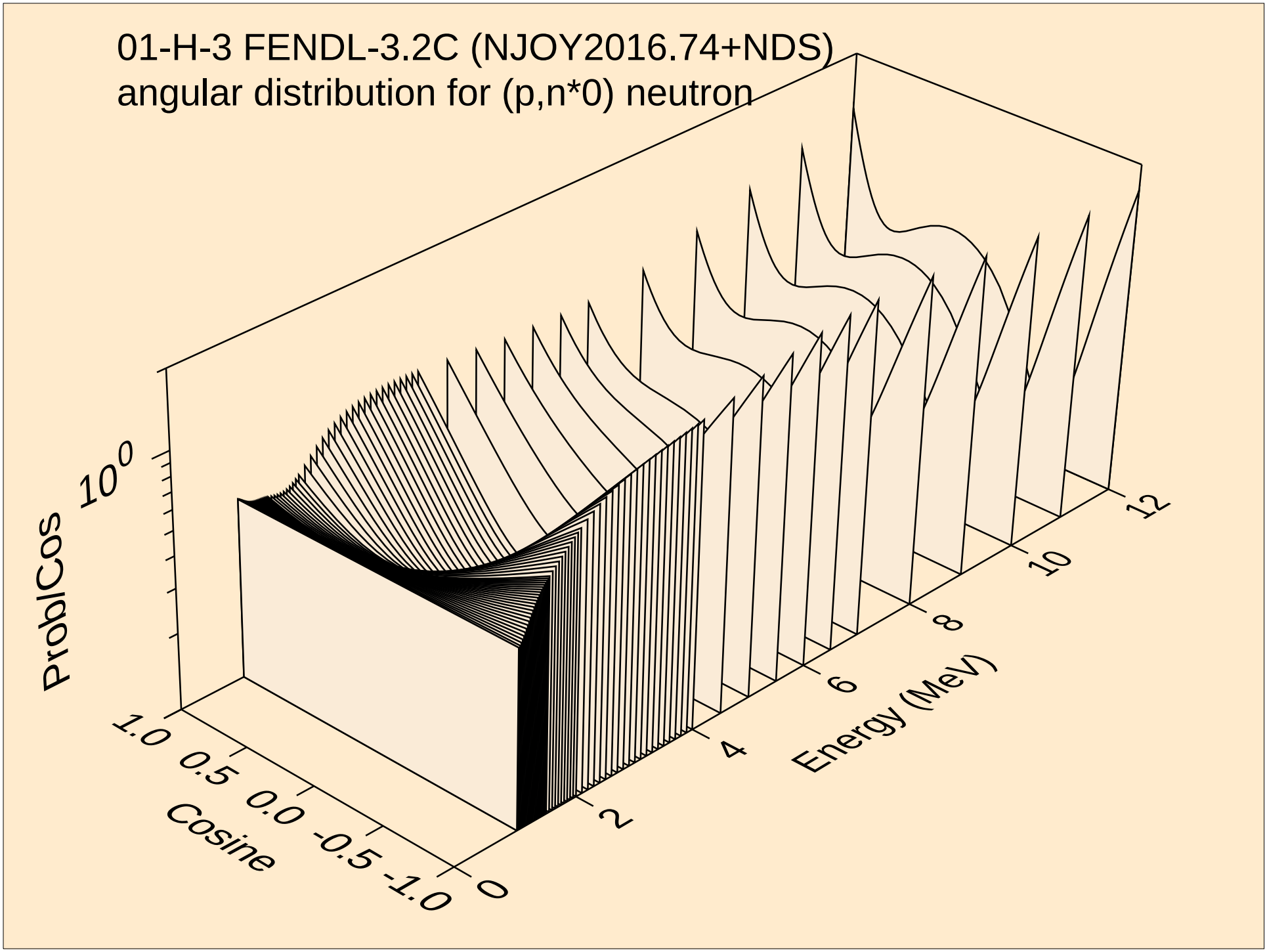

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Threshold reactions
(p,n*0)
(p,d*0)
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
2
4
6
8
10
12

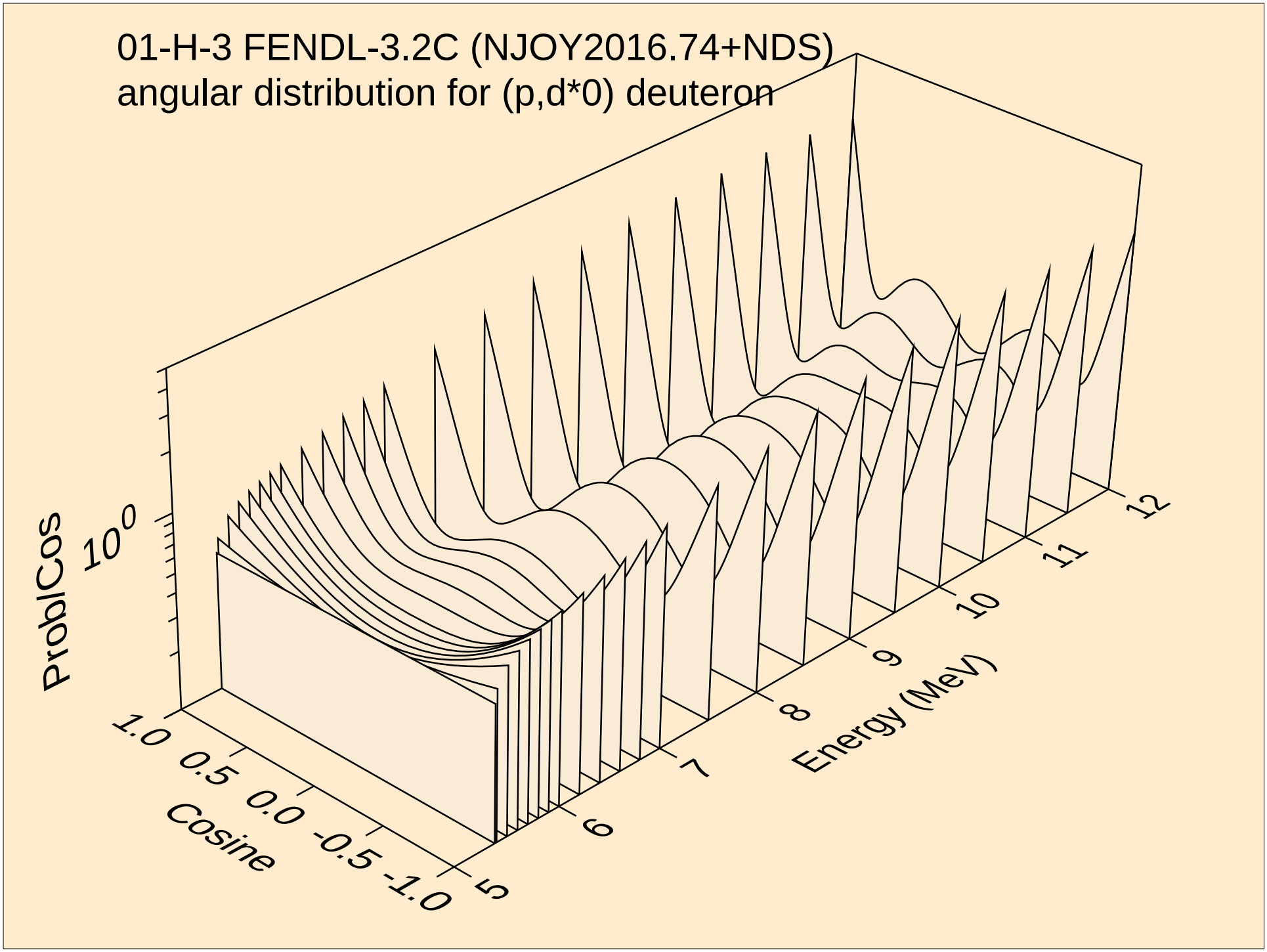

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
angular distribution for elastic
ProbICos
10^1
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)

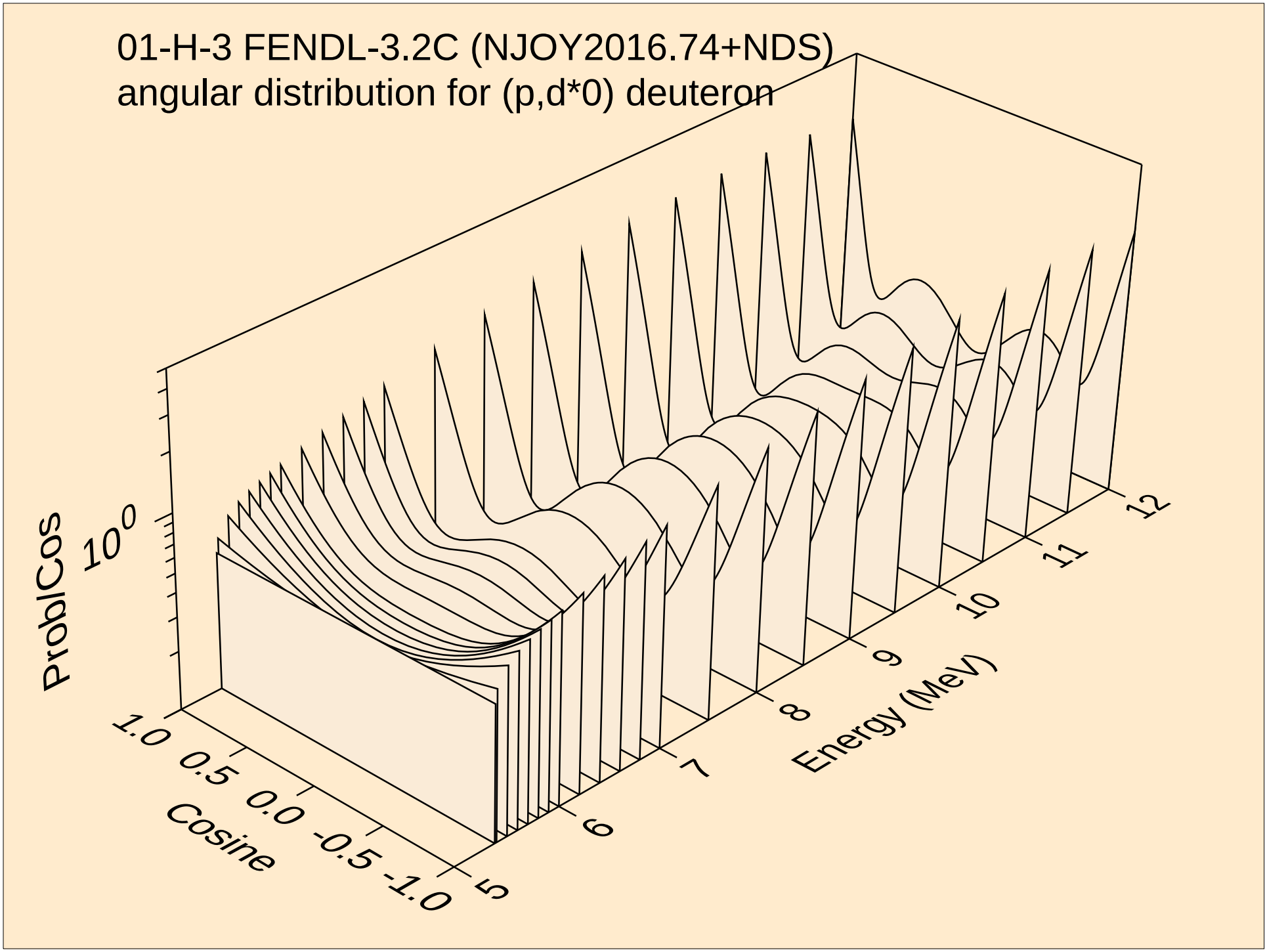

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Particle heating contributions
neutrons
deuterons
tritons
he-3
MeV/collision
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
0
2
4
6
8
10
12

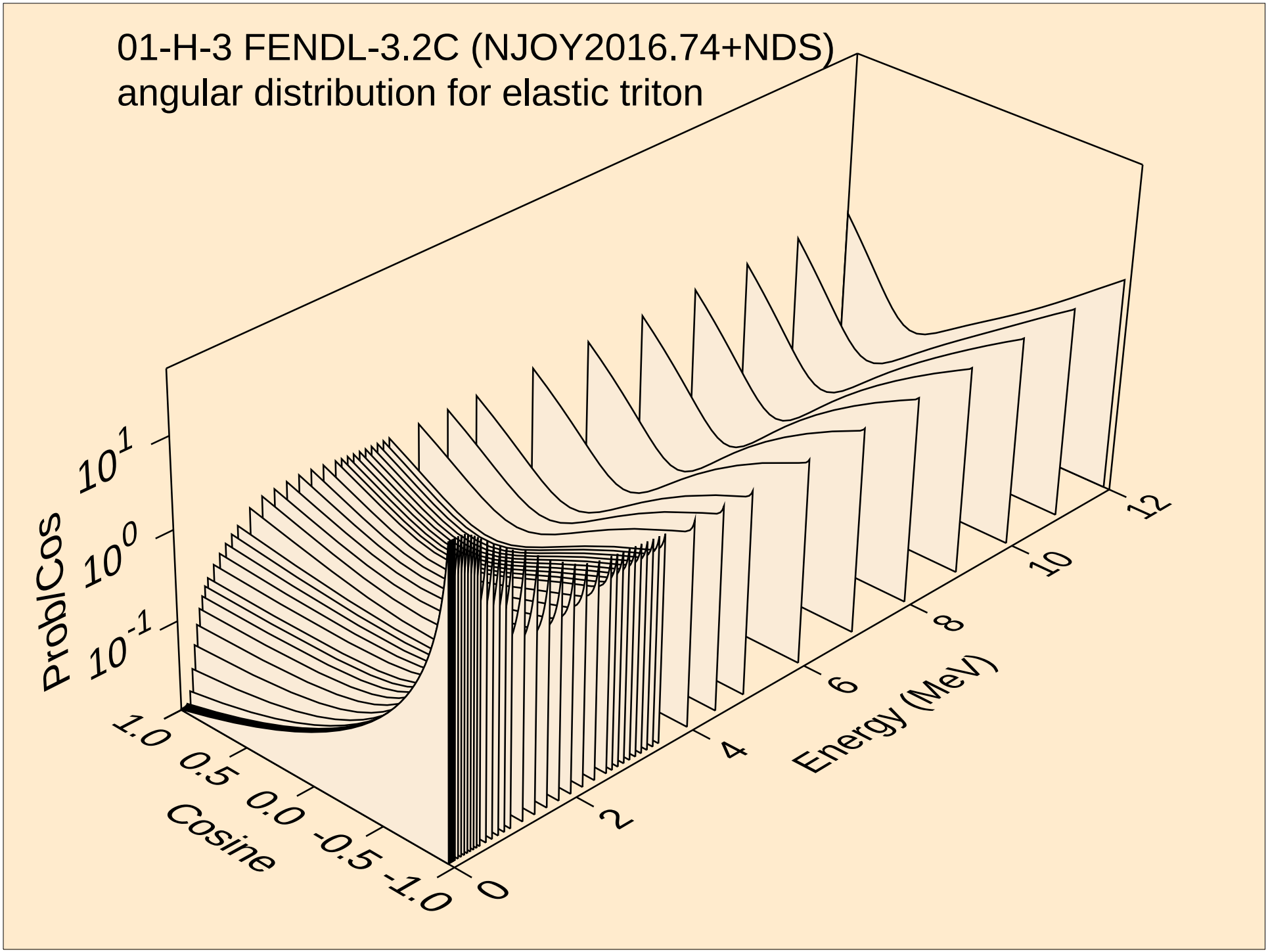

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Recoil Heating
recoil heating
*10-9
1200
1000
800
600
400
200
0
-200
-400
-600
-800
Heating (MeV/reaction)
0
2
4
6
8
10
12
Energy (MeV)

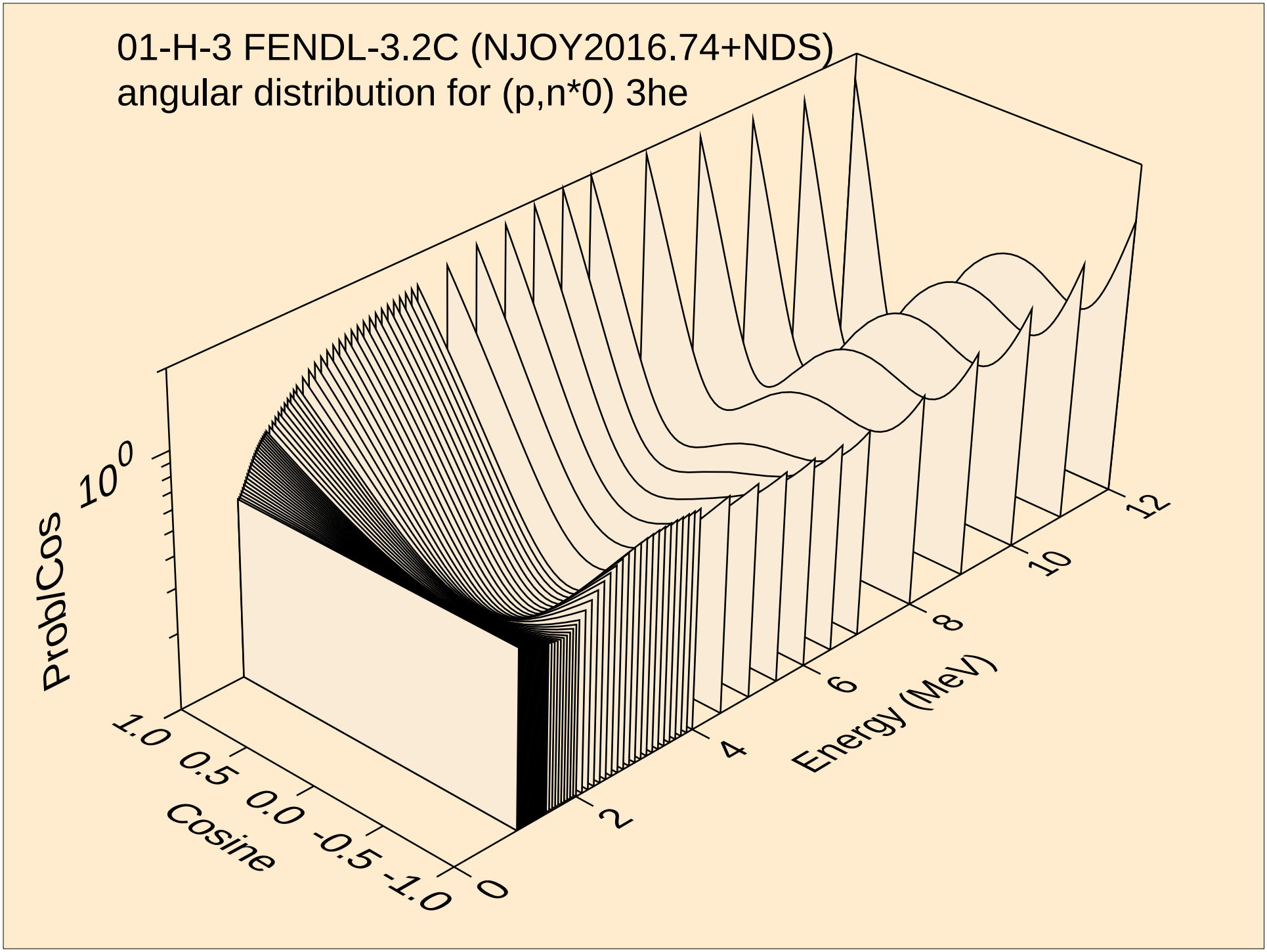

01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
Particle production cross sections
neutrons
deuterons
tritons
he-3
Cross section (barns)
Energy (MeV)
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12


01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
angular distribution for (p,n*0) neutron
ProblCos
$10^0$
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)


01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
angular distribution for (p,d*0) deuteron
ProblCos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
6
7
8
9
10
11
12
Energy (MeV)


01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
angular distribution for (p,d*0) deuteron
ProblCos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
5
6
7
8
9
10
11
12
Energy (MeV)


01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
angular distribution for elastic triton
ProblCos
$10^{1}$
$10^{0}$
$10^{-1}$
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
Energy (MeV)


01-H-3 FENDL-3.2C (NJOY2016.74+NDS)
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)