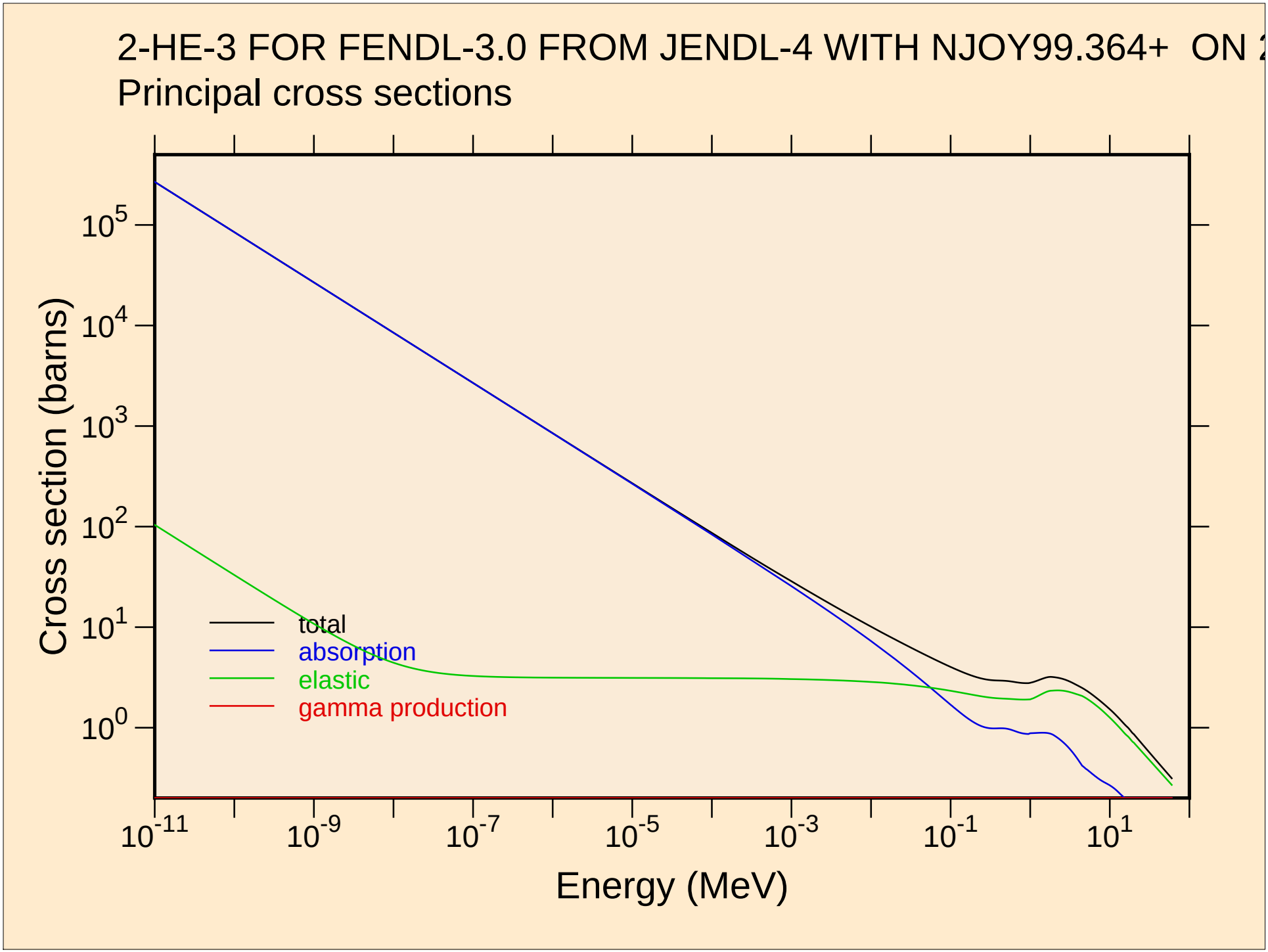
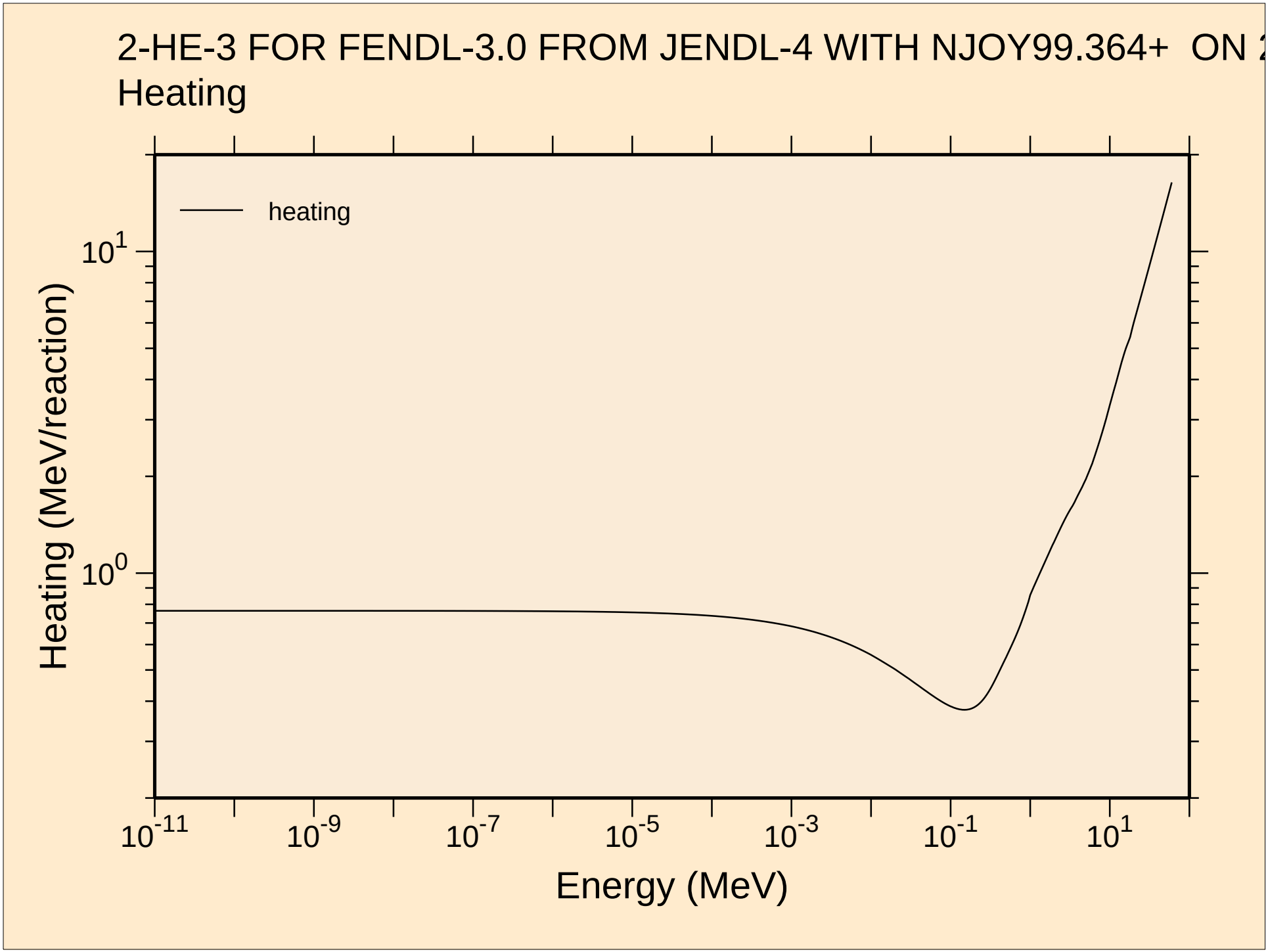
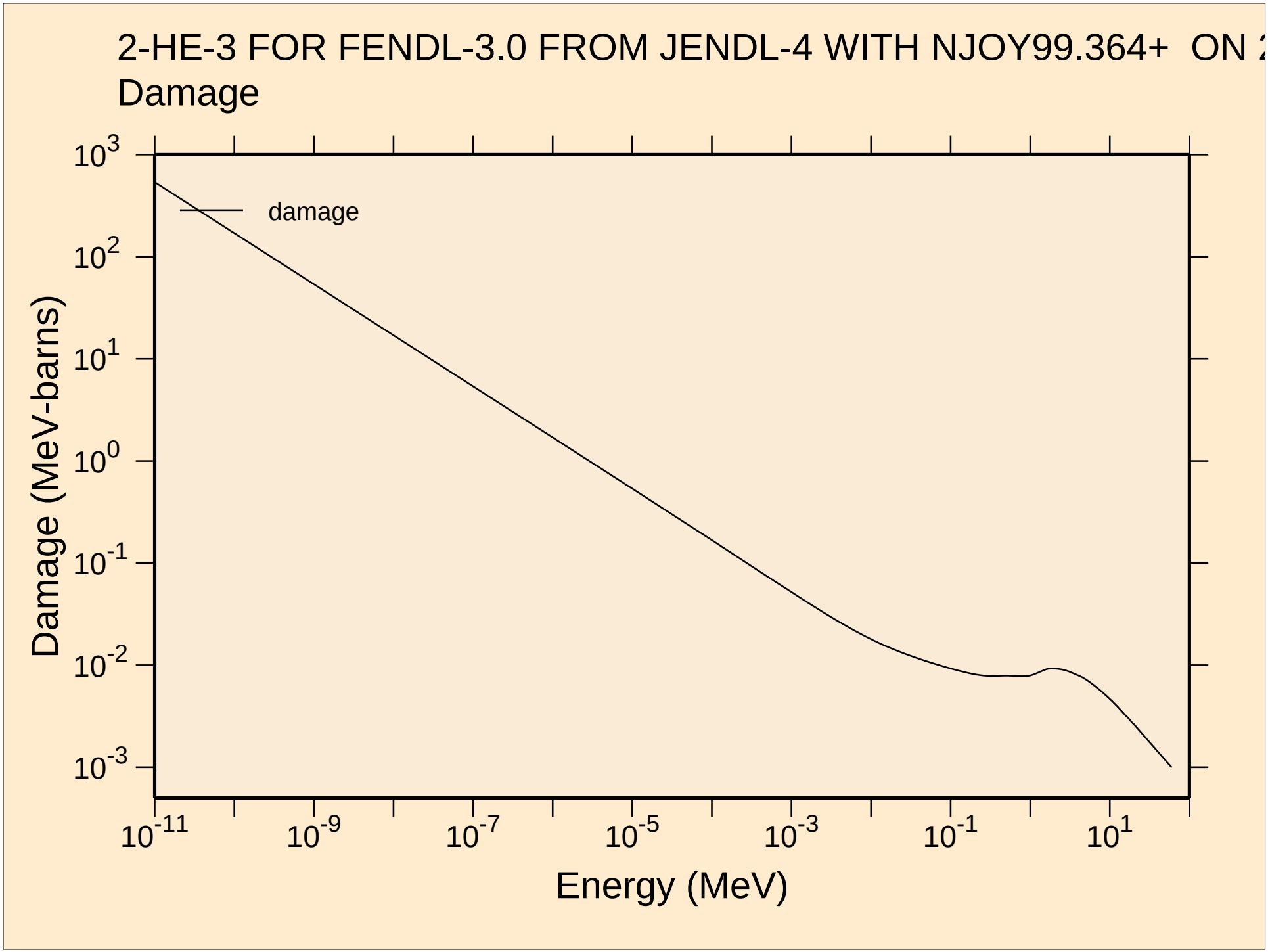
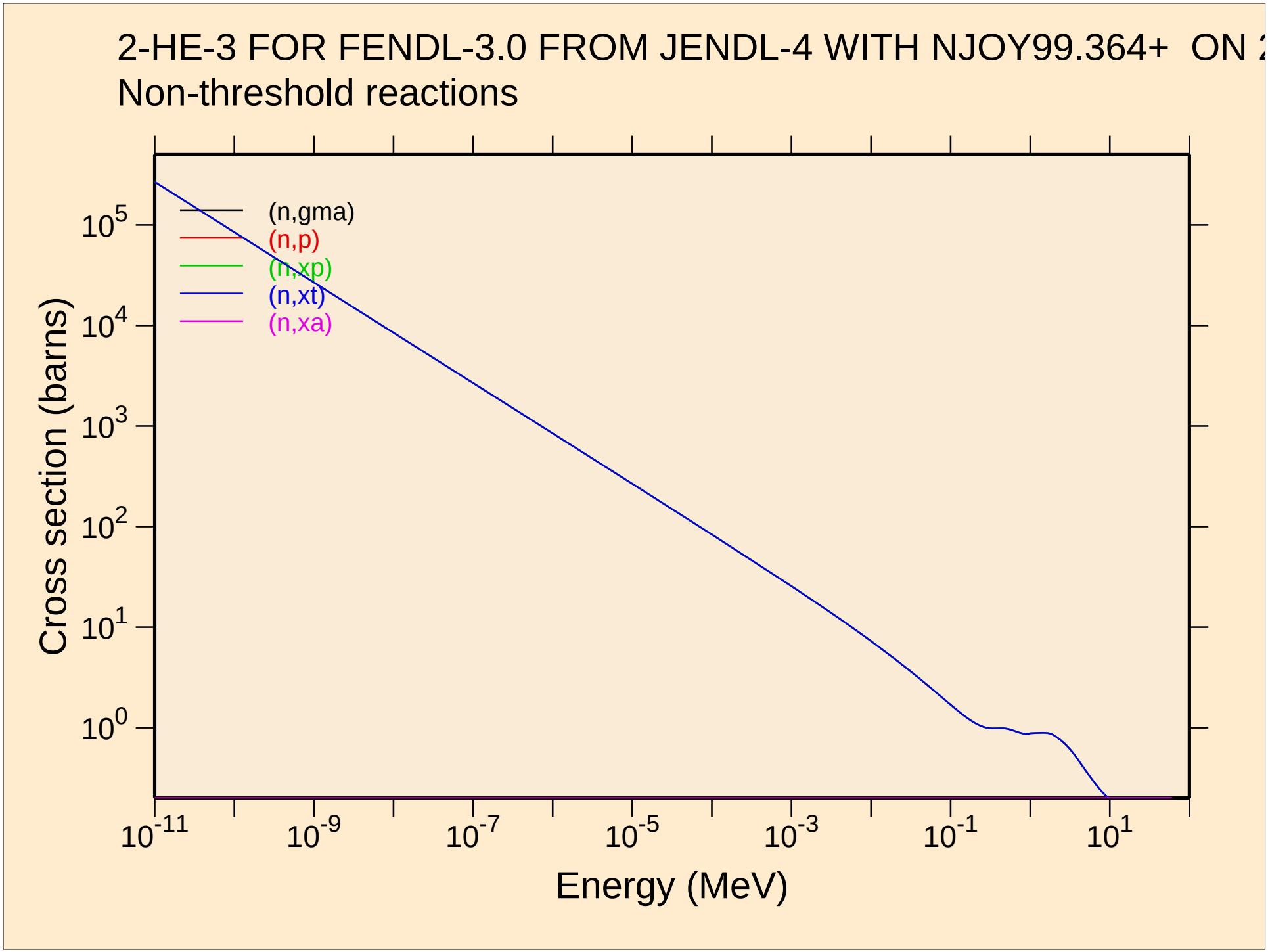
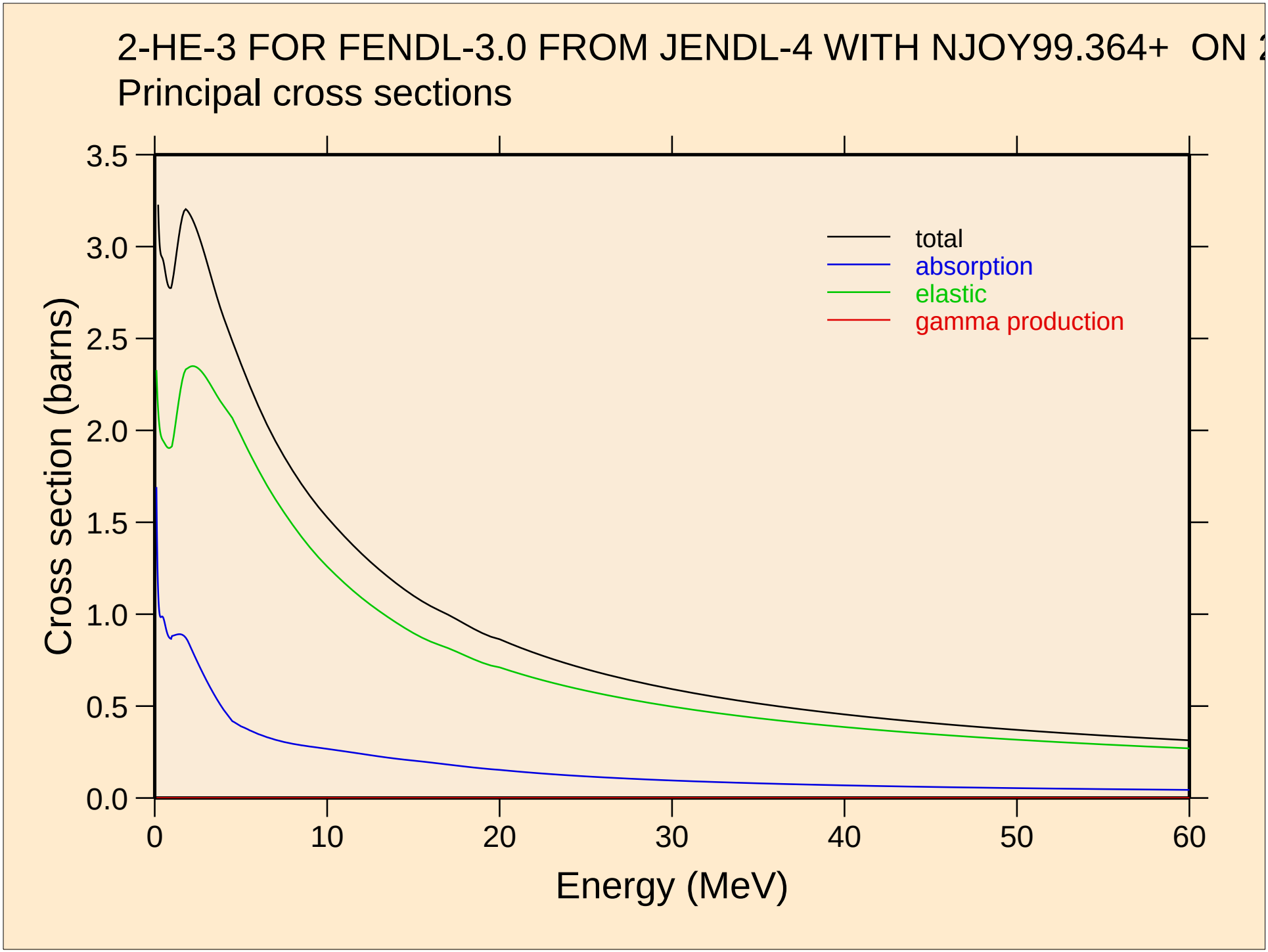
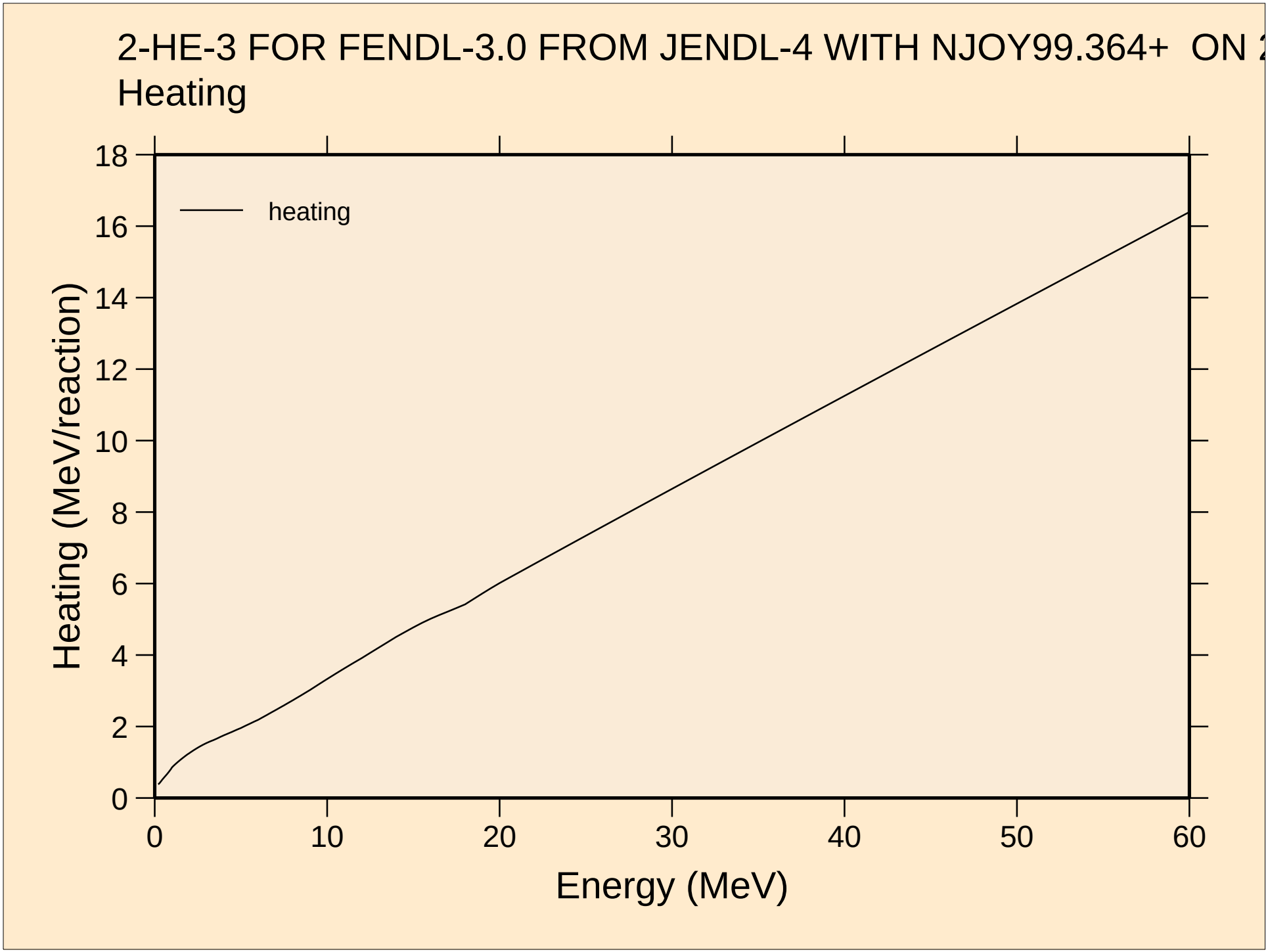

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Principal cross sections
Cross section (barns)
10^5
10^4
10^3
10^2
10^1
10^0
total
absorption
elastic
gamma production
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^1
Energy (MeV)

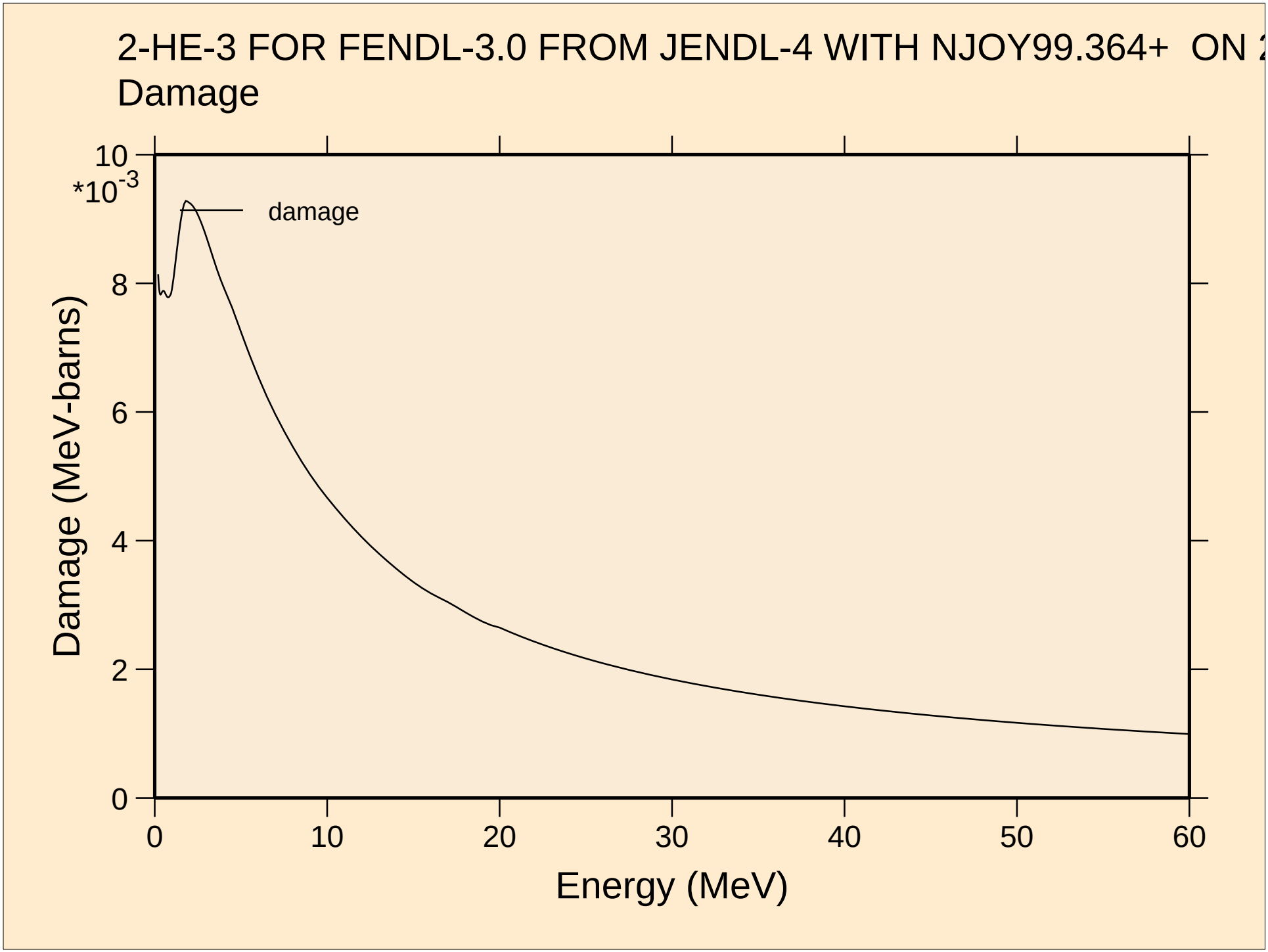

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Heating
heating
Heating (MeV/reaction)
10^1
10^0
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

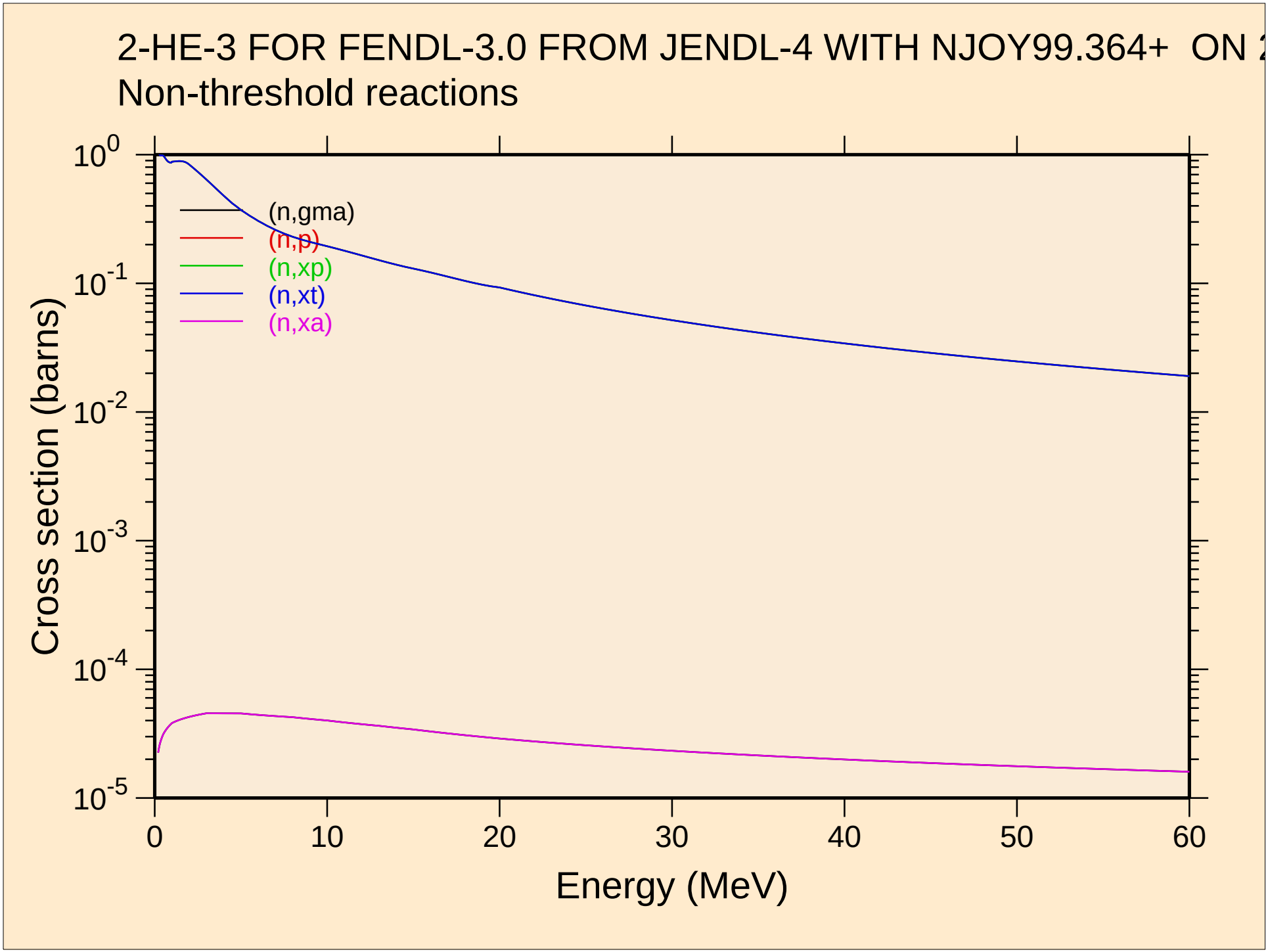

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Damage
damage
Damage (MeV-barns)
Energy (MeV)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

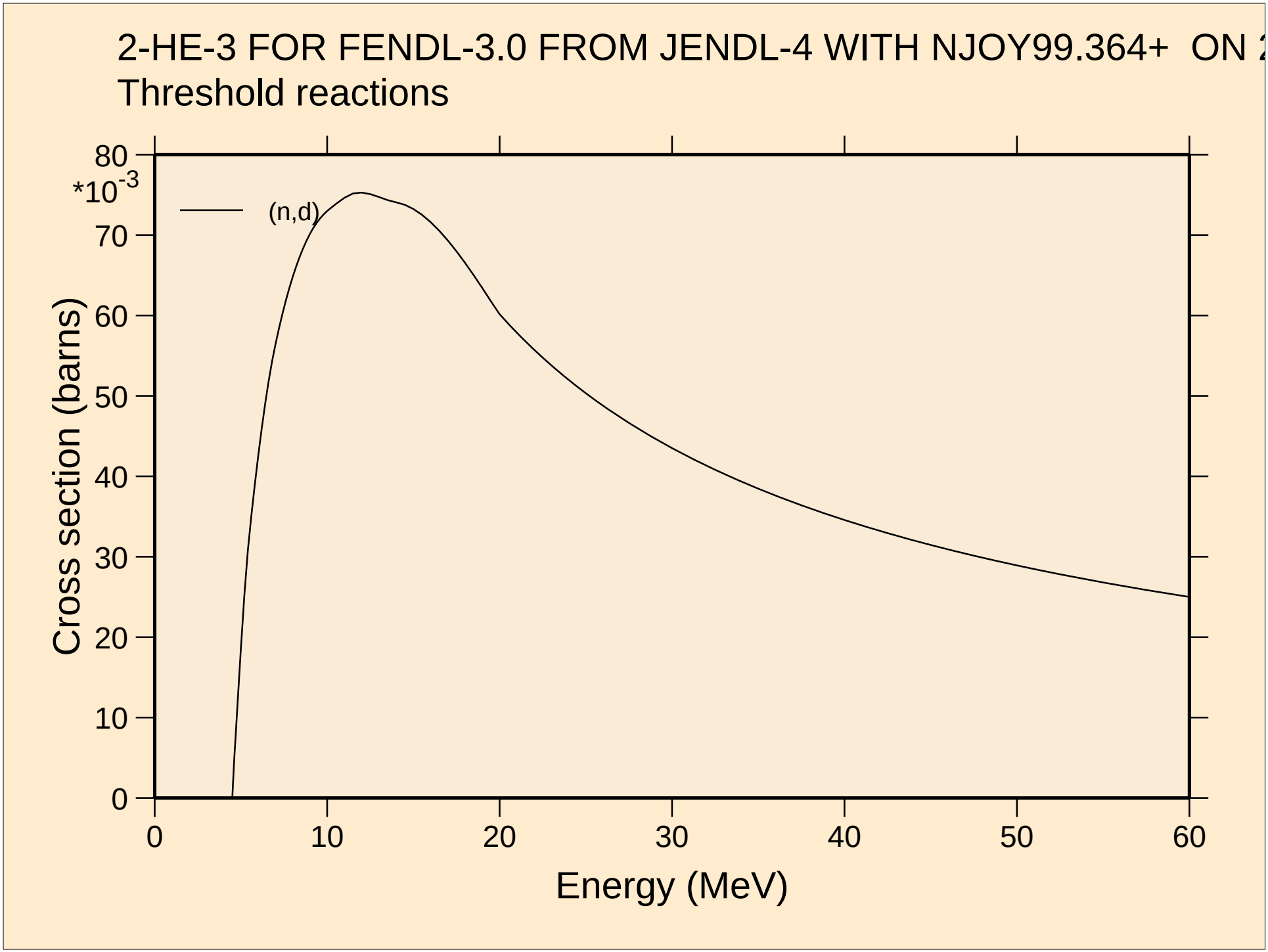

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Non-threshold reactions
(n,gma)
(n,p)
(n,xp)
(n,xt)
(n,xa)
Cross section (barns)
10^5
10^4
10^3
10^2
10^1
10^0
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

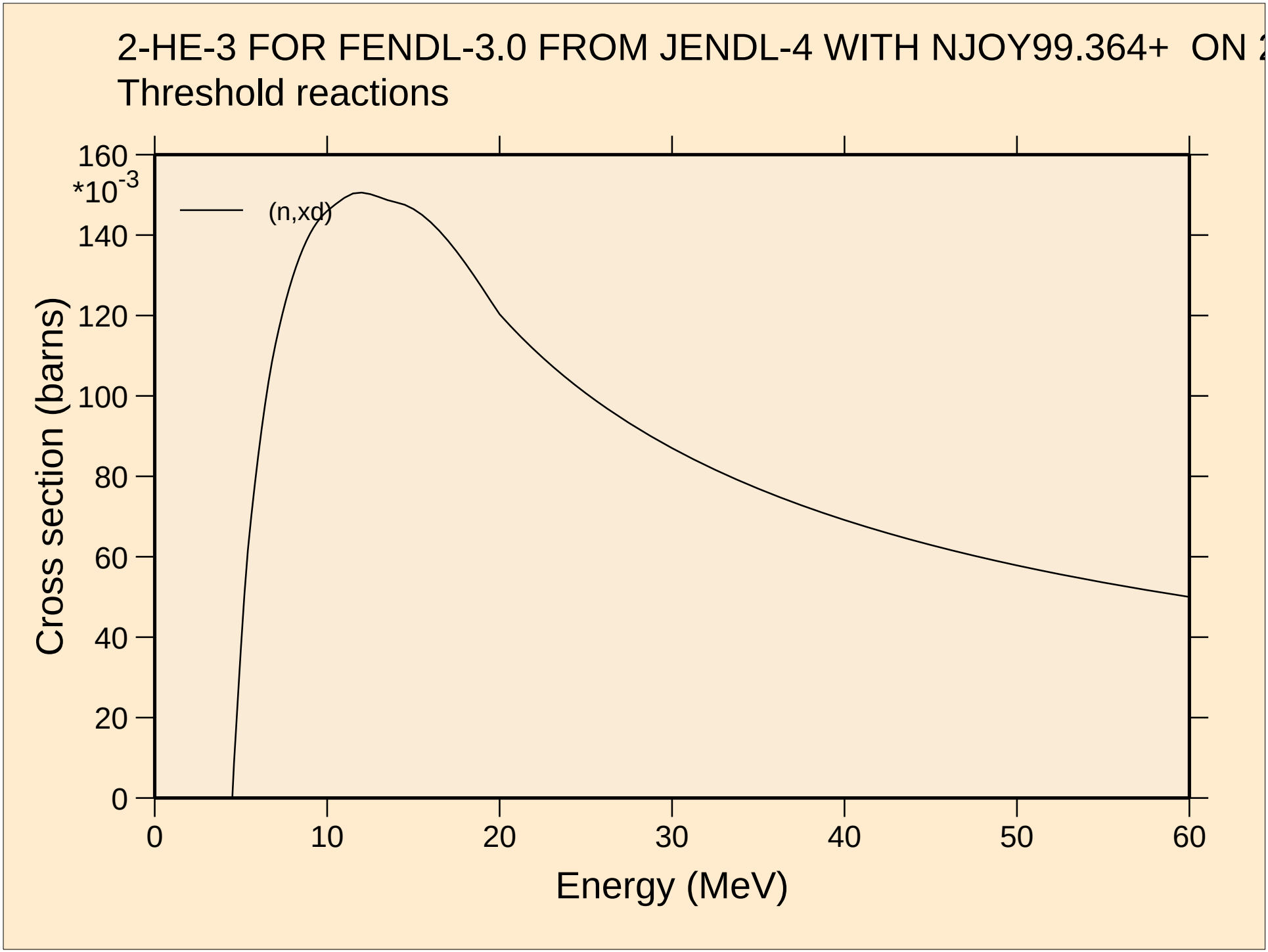

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
10
20
30
40
50
60

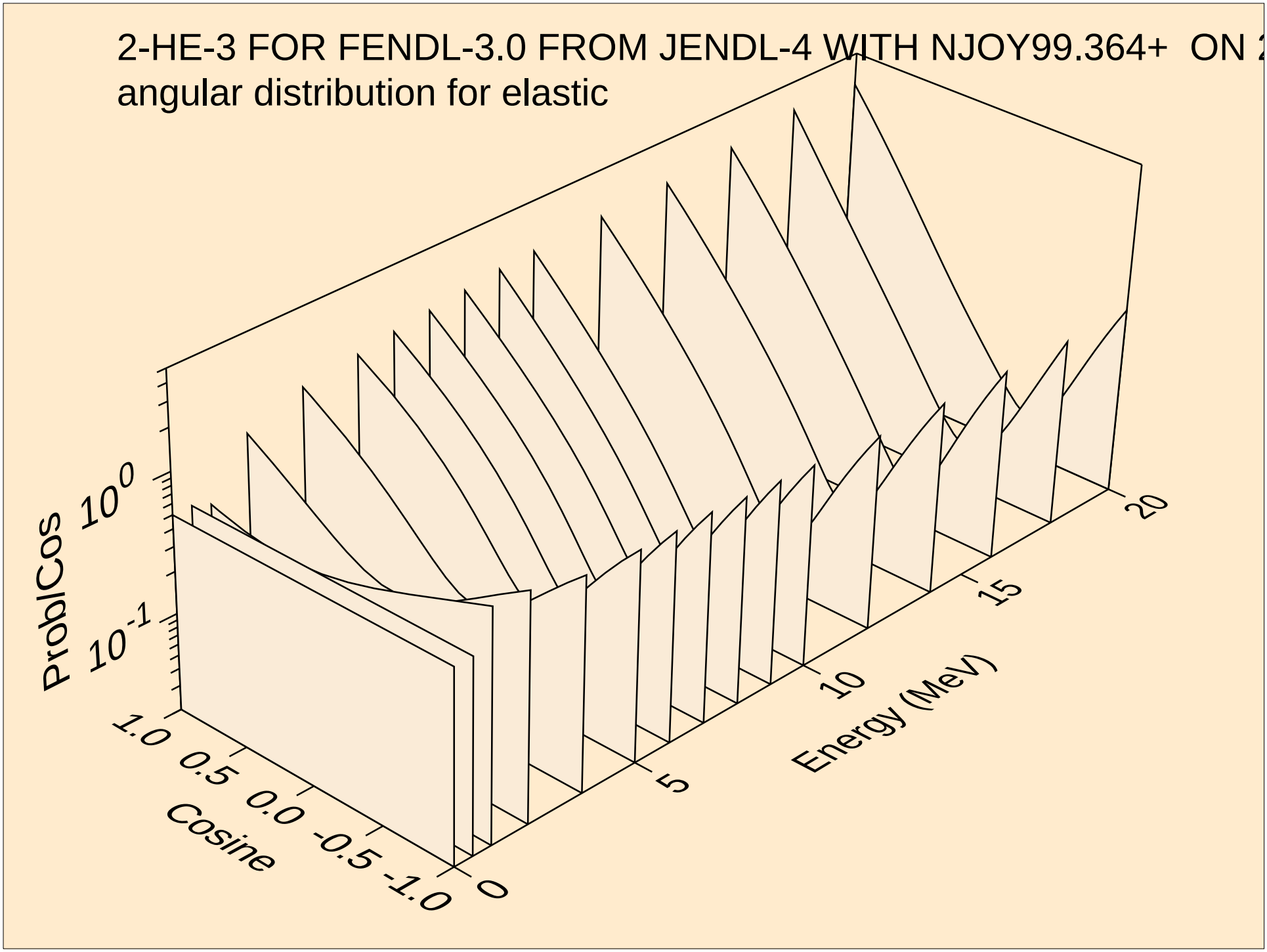

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
0
10
20
30
40
50
60

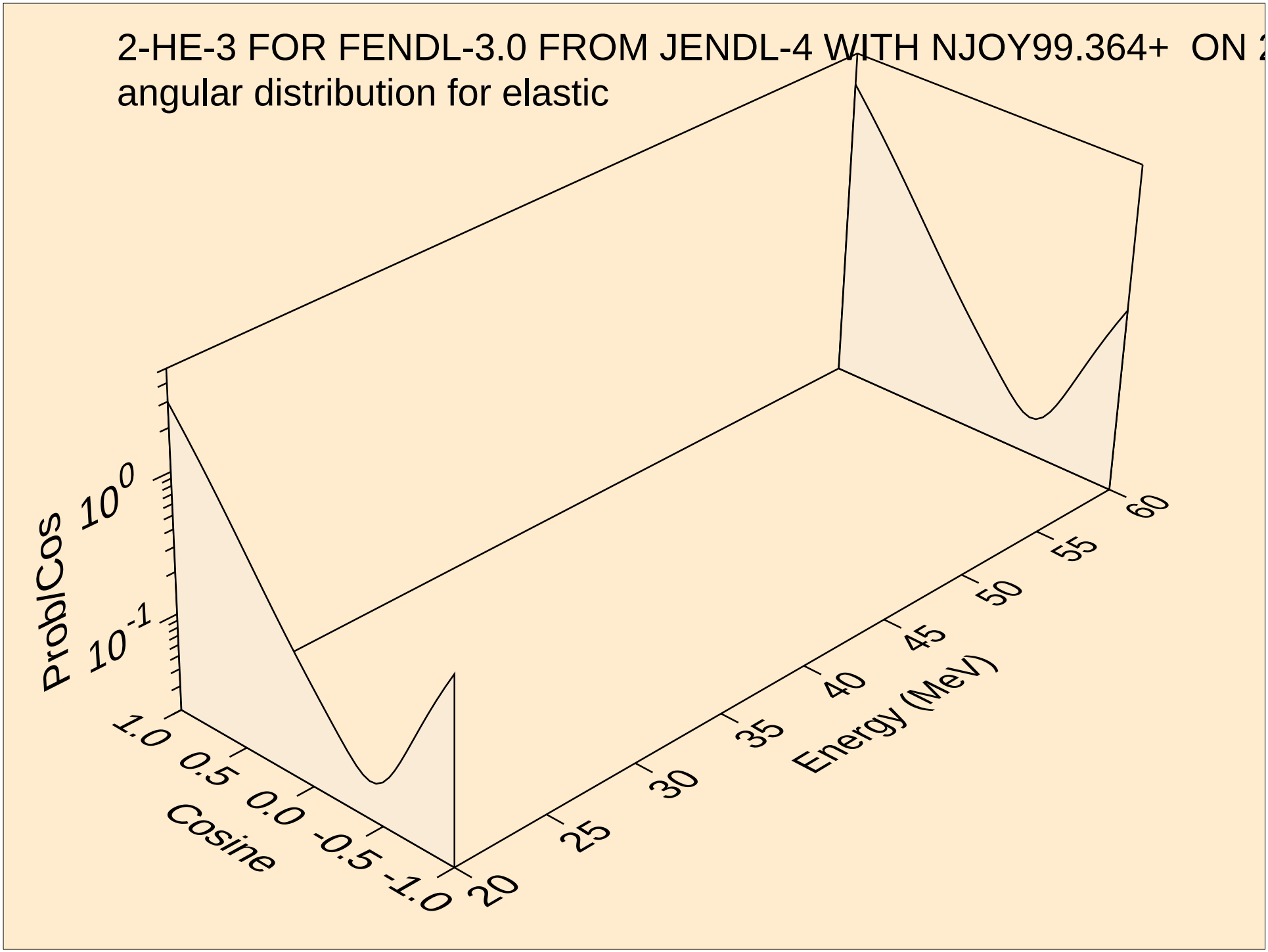

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Damage
10
*10-3
damage
8
6
4
2
0
Damage (MeV-barns)
0
10
20
30
40
50
60
Energy (MeV)

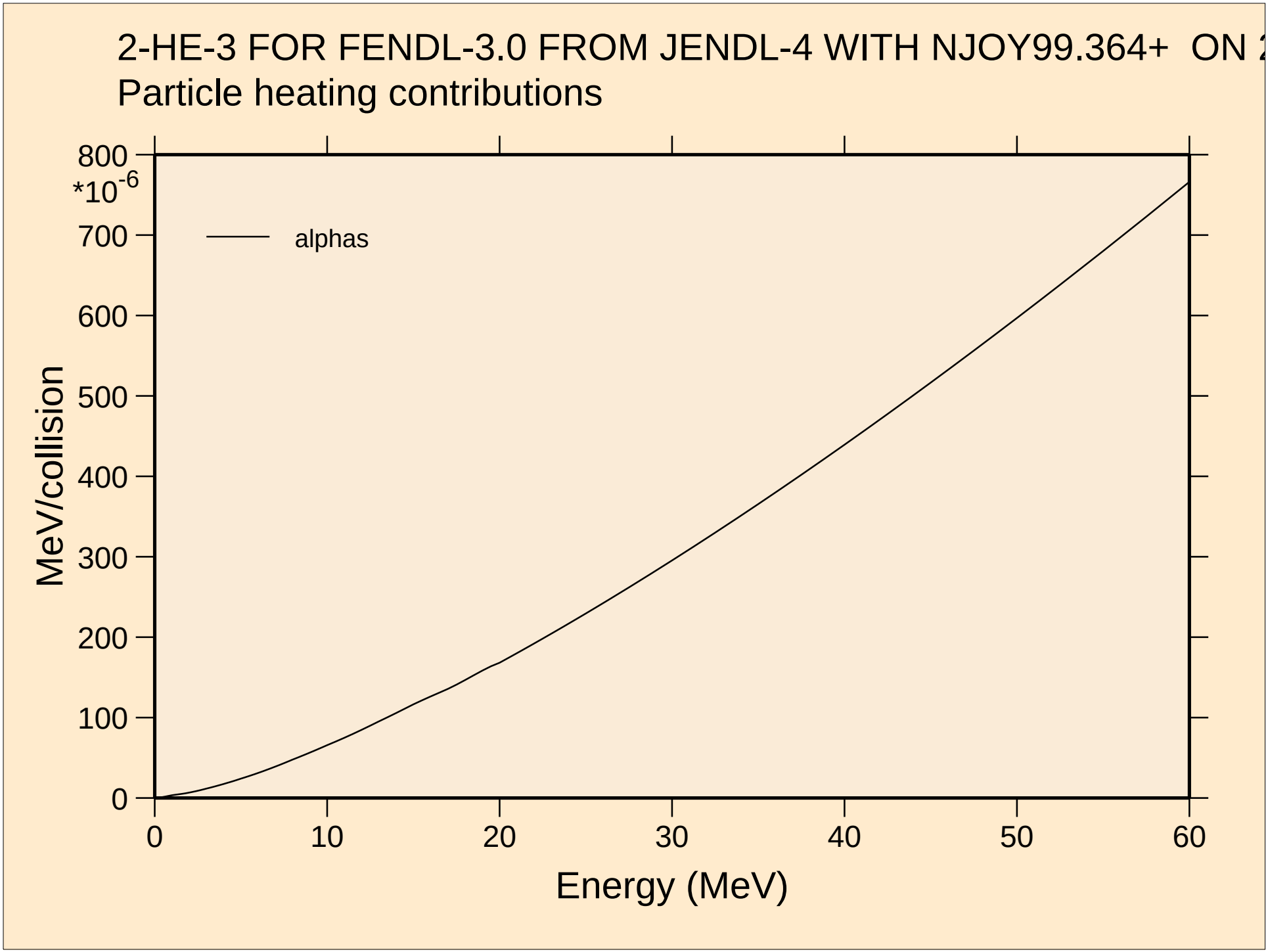

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Non-threshold reactions
Cross section (barns)
Energy (MeV)
(n,gma)
(n,p)
(n,xp)
(n,xt)
(n,xa)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
0
10
20
30
40
50
60

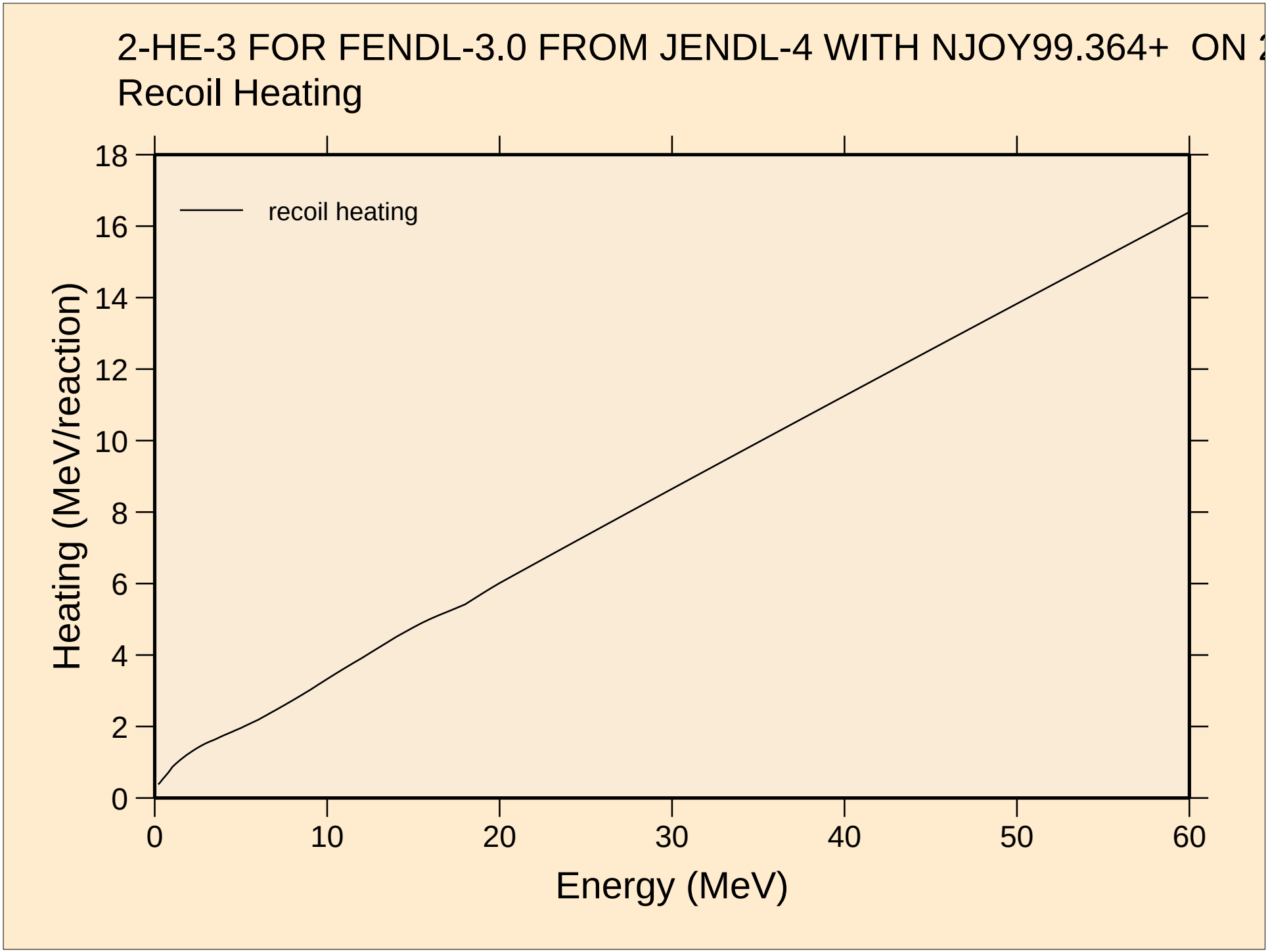

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Threshold reactions
*10-3
(n,d)
Cross section (barns)
Energy (MeV)
0
10
20
30
40
50
60
70
80

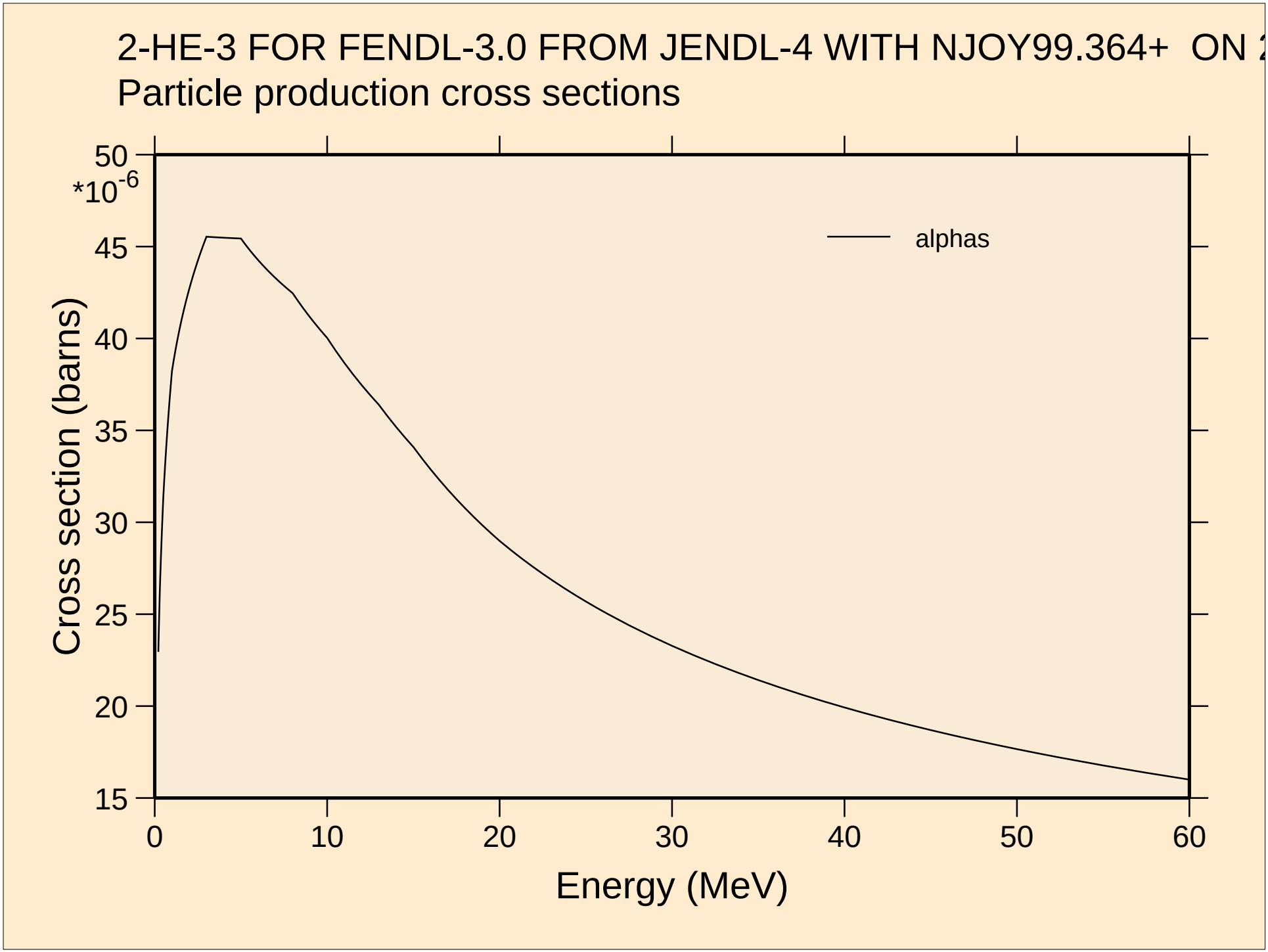

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Threshold reactions
*10-3
(n,xd)
Cross section (barns)
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60
Energy (MeV)

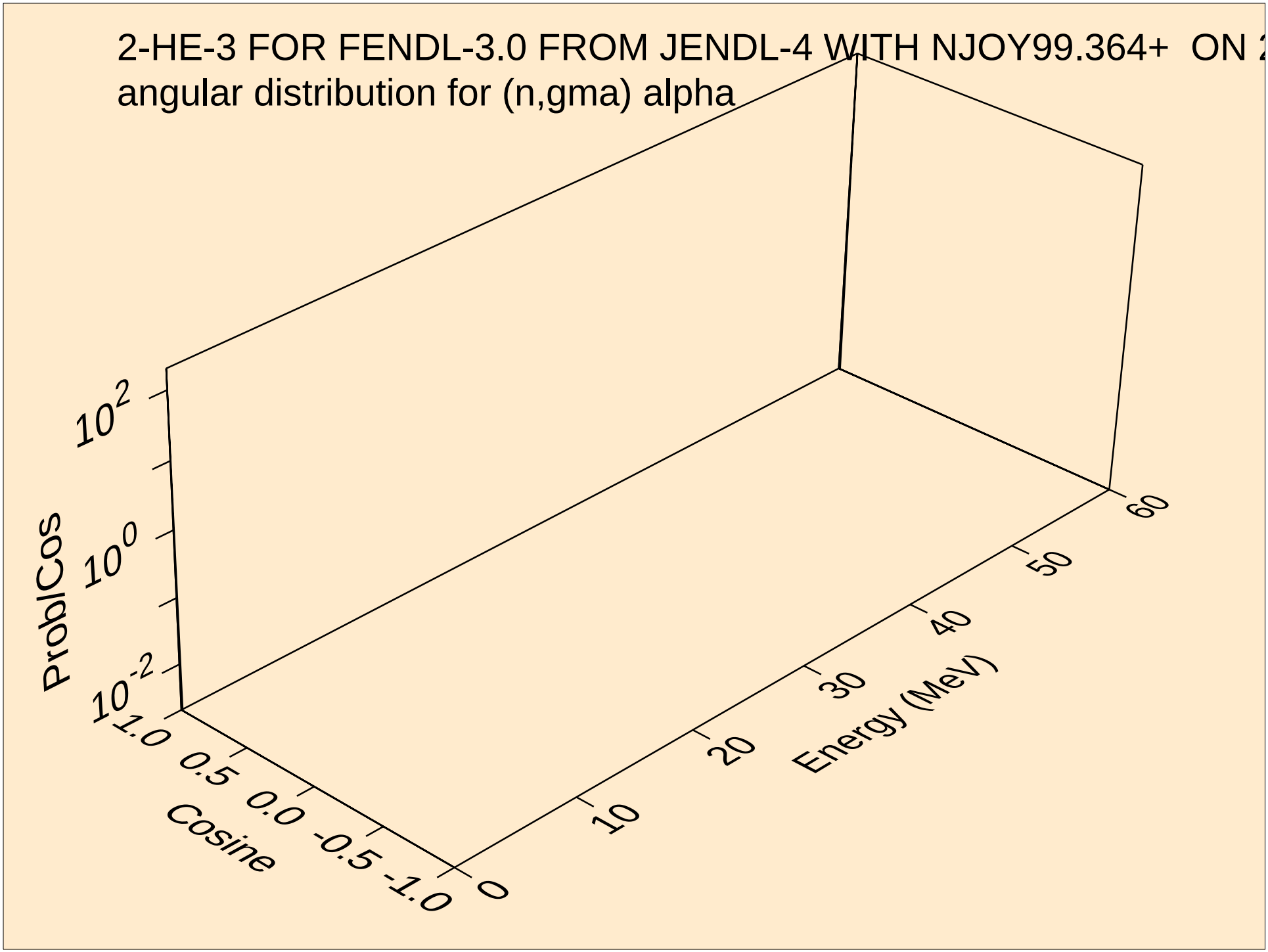

2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
angular distribution for elastic
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)


2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
angular distribution for elastic
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)


2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Particle heating contributions
800
*10-6
700
600
500
400
300
200
100
0
alphas
MeV/collision
0
10
20
30
40
50
60
Energy (MeV)


2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
0
10
20
30
40
50
60


2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
Particle production cross sections
*10-6
50
45
40
35
30
25
20
15
Cross section (barns)
alphas
0
10
20
30
40
50
60
Energy (MeV)


2-HE-3 FOR FENDL-3.0 FROM JENDL-4 WITH NJOY99.364+ ON 2
angular distribution for (n,gma) alpha
ProbICos
10^2
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
10
20
30
40
50
60
Energy (MeV)