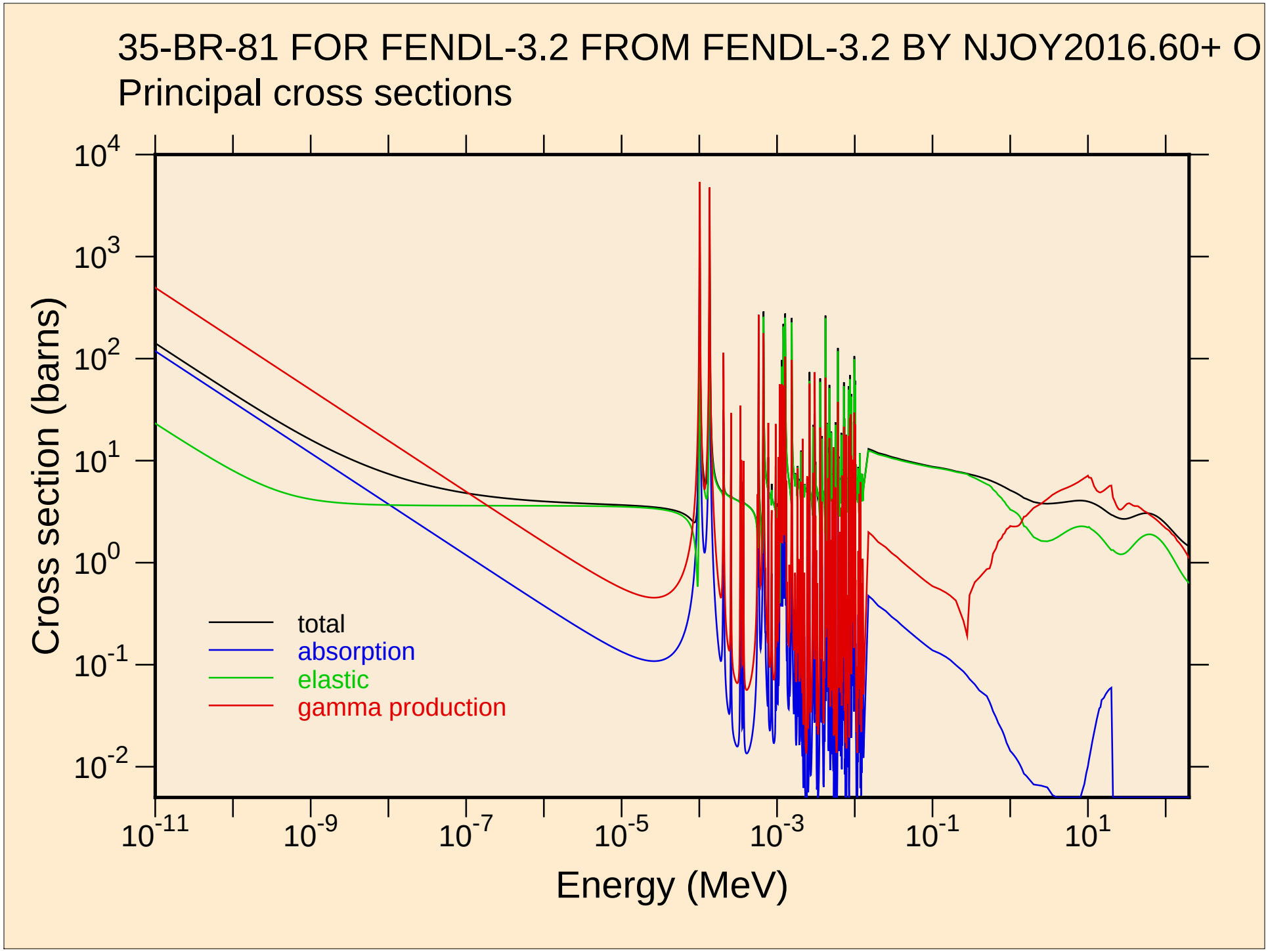
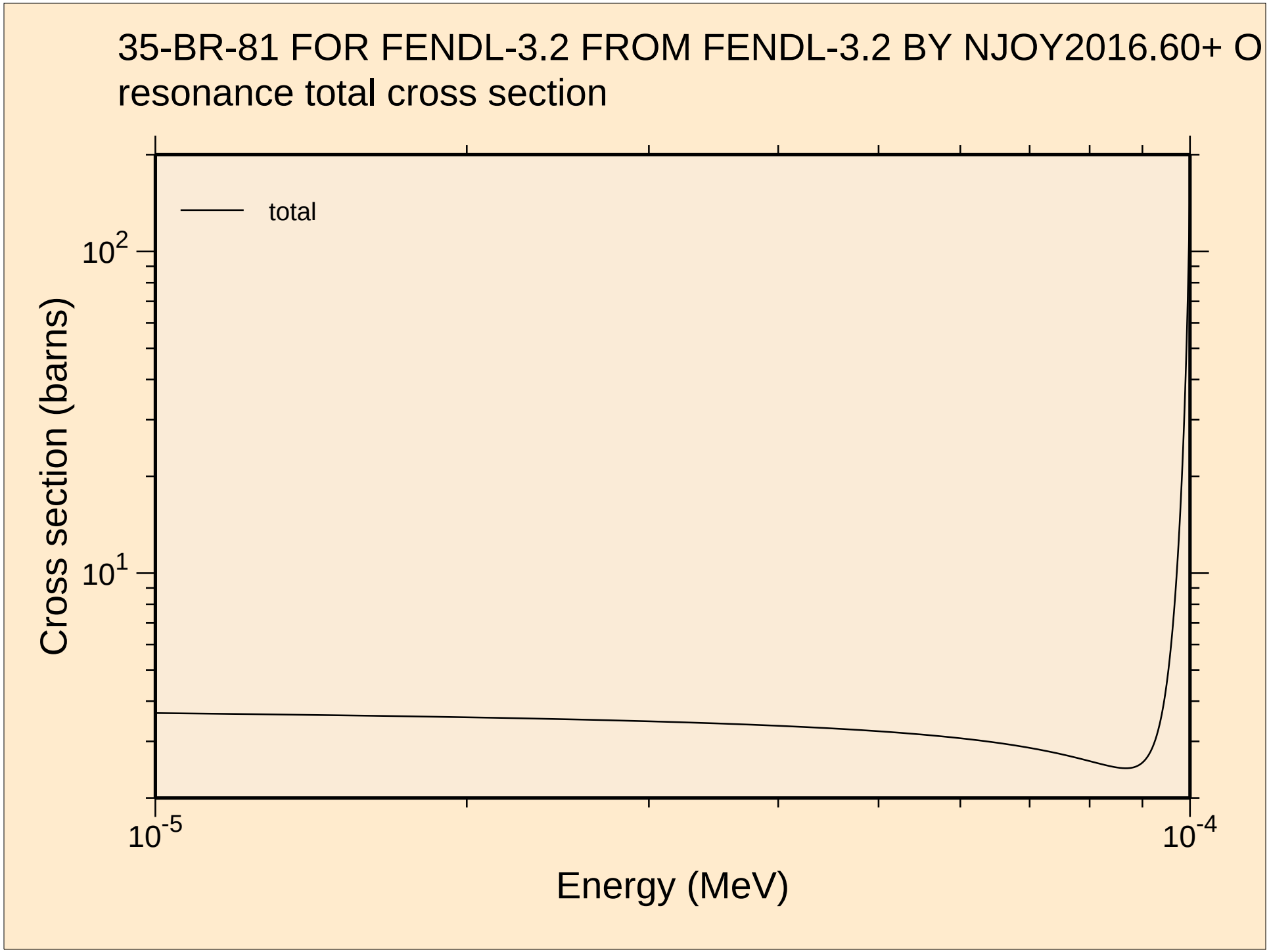
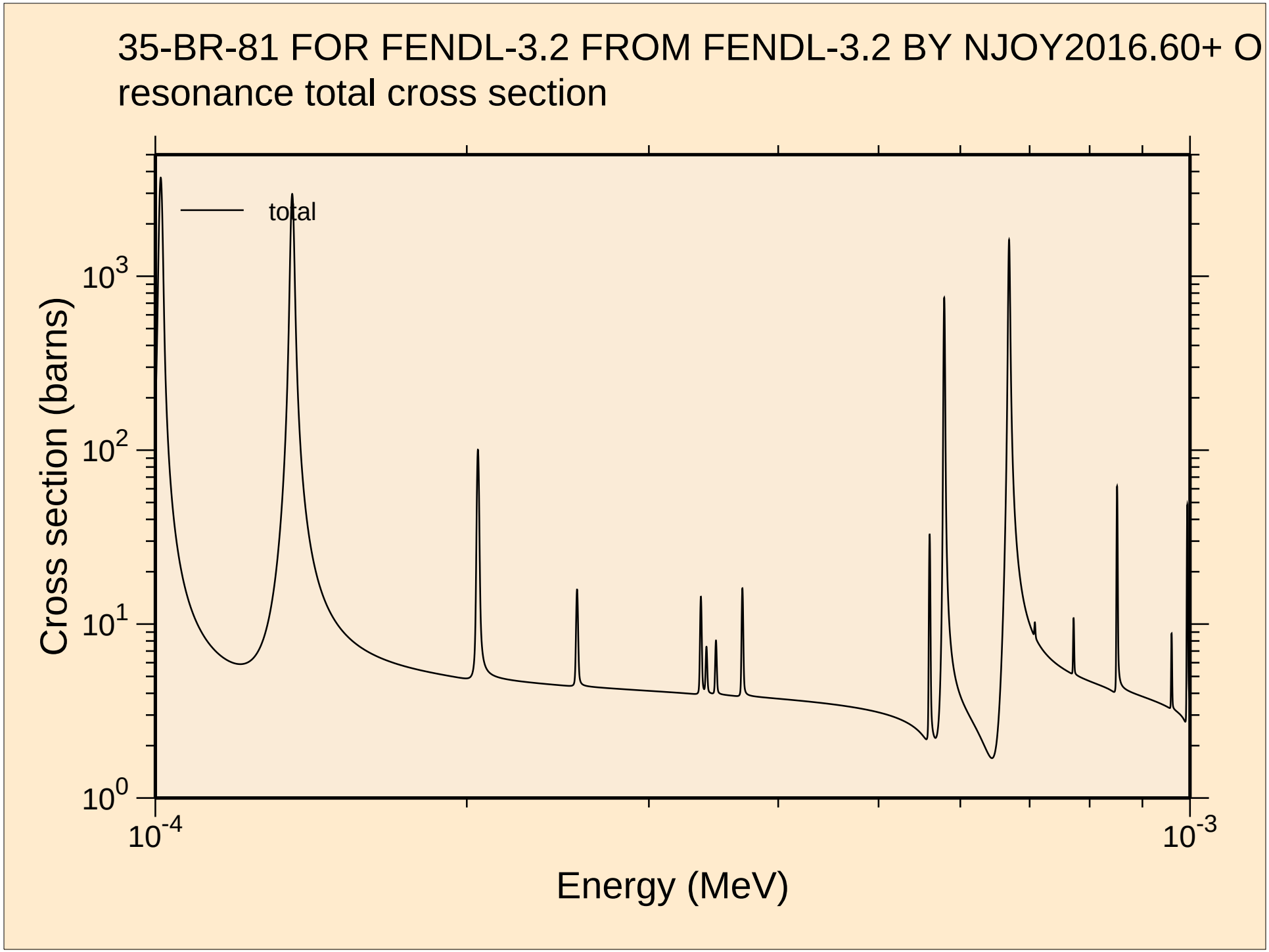
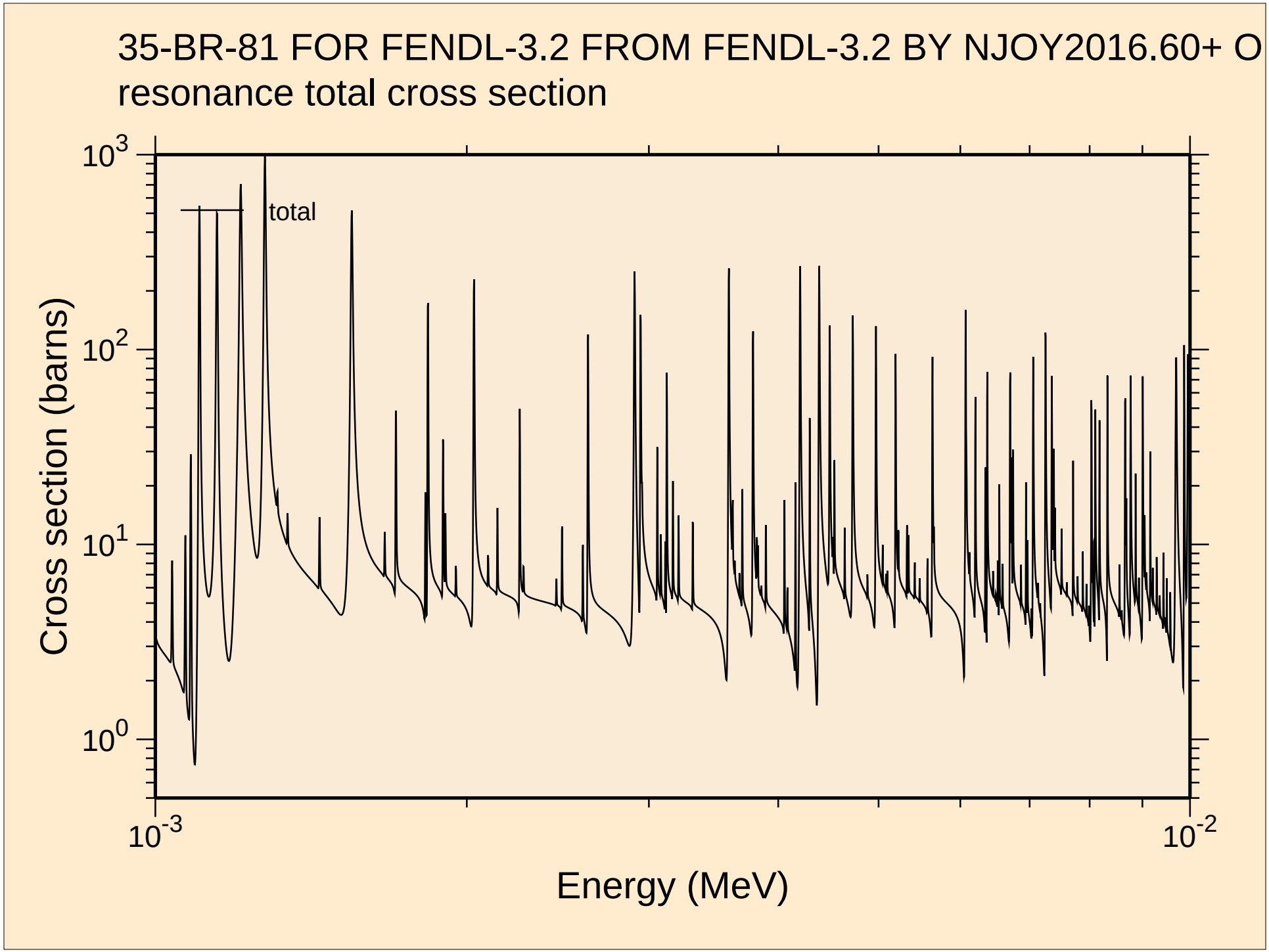
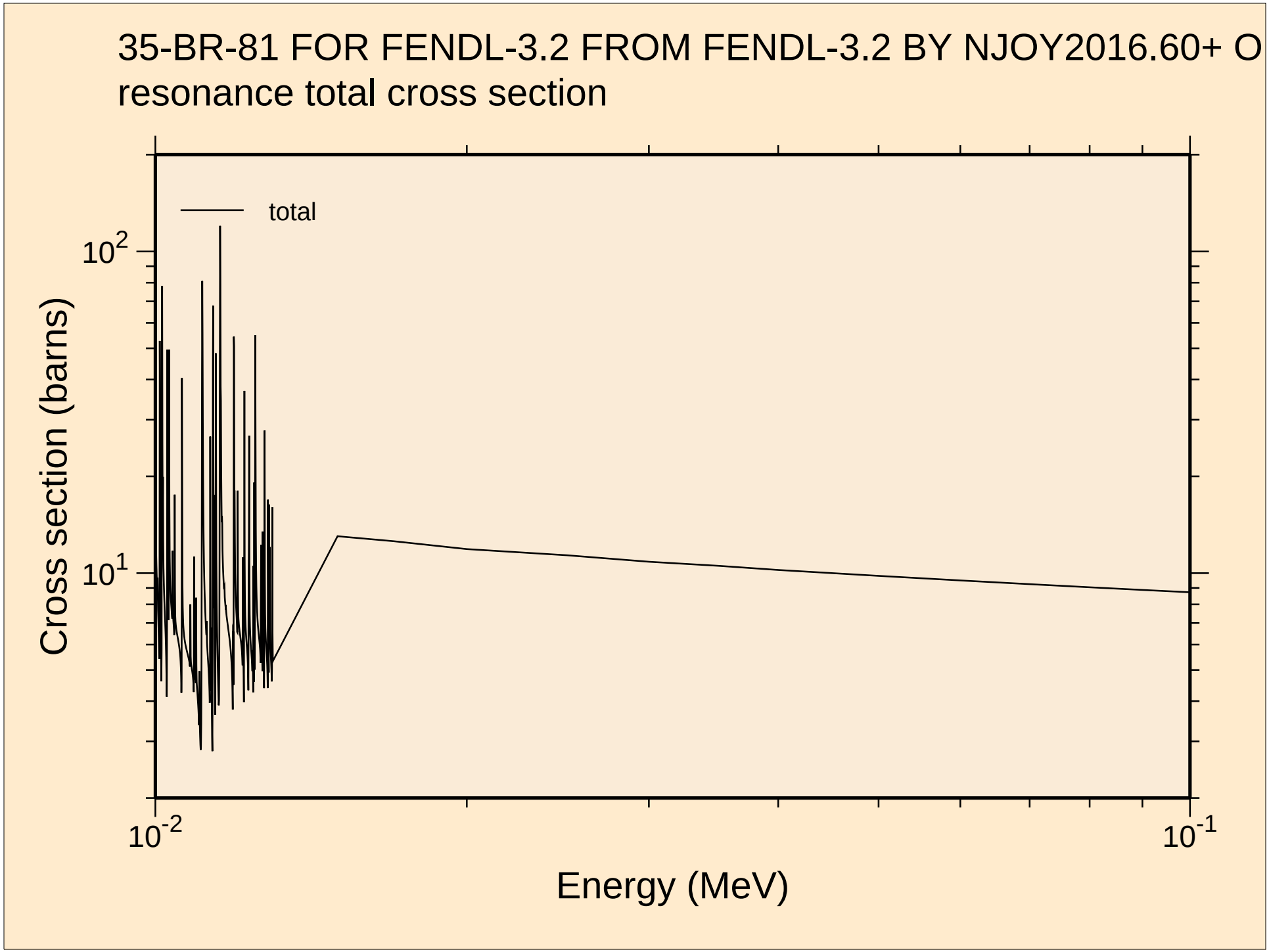
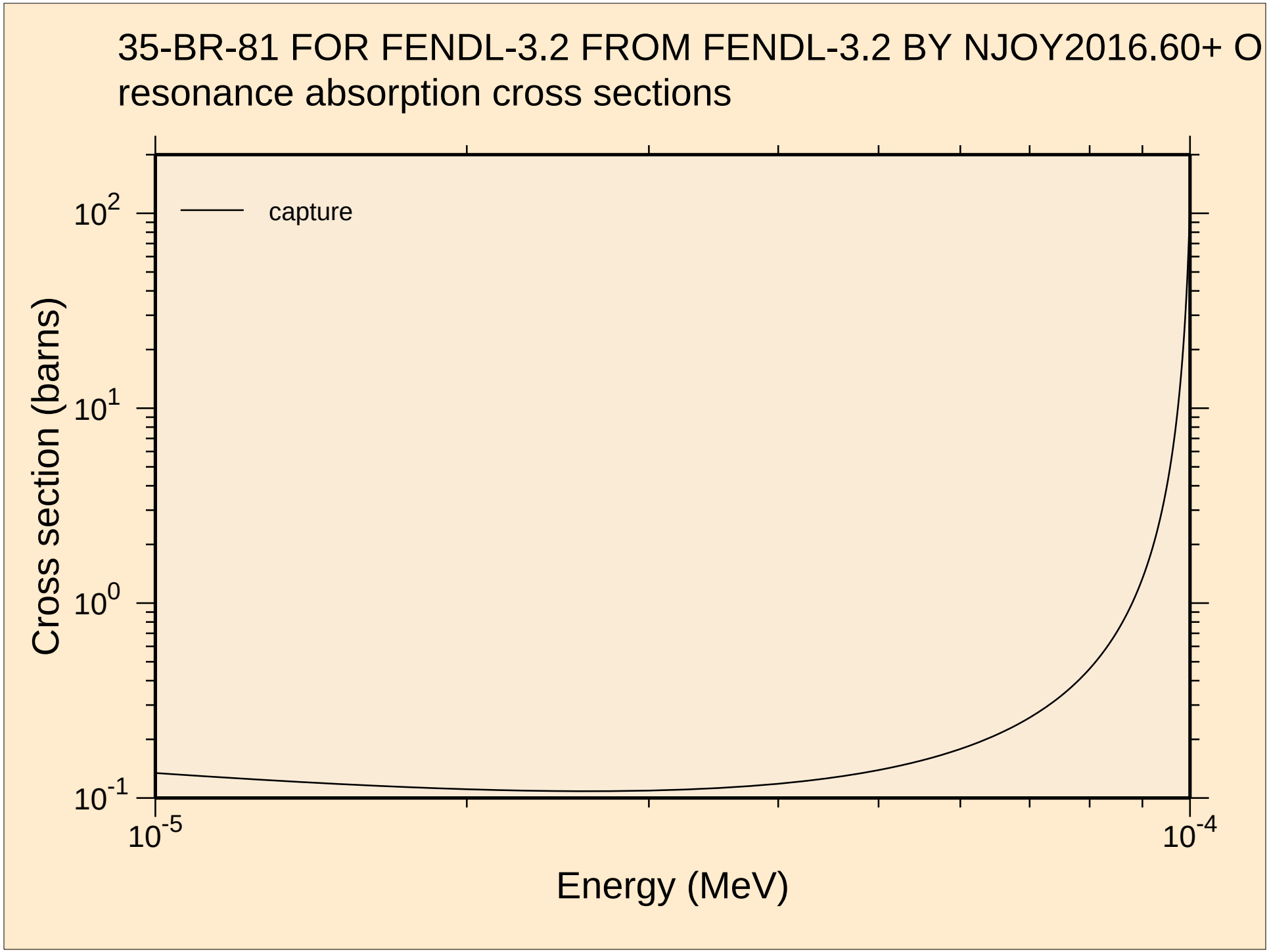

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production

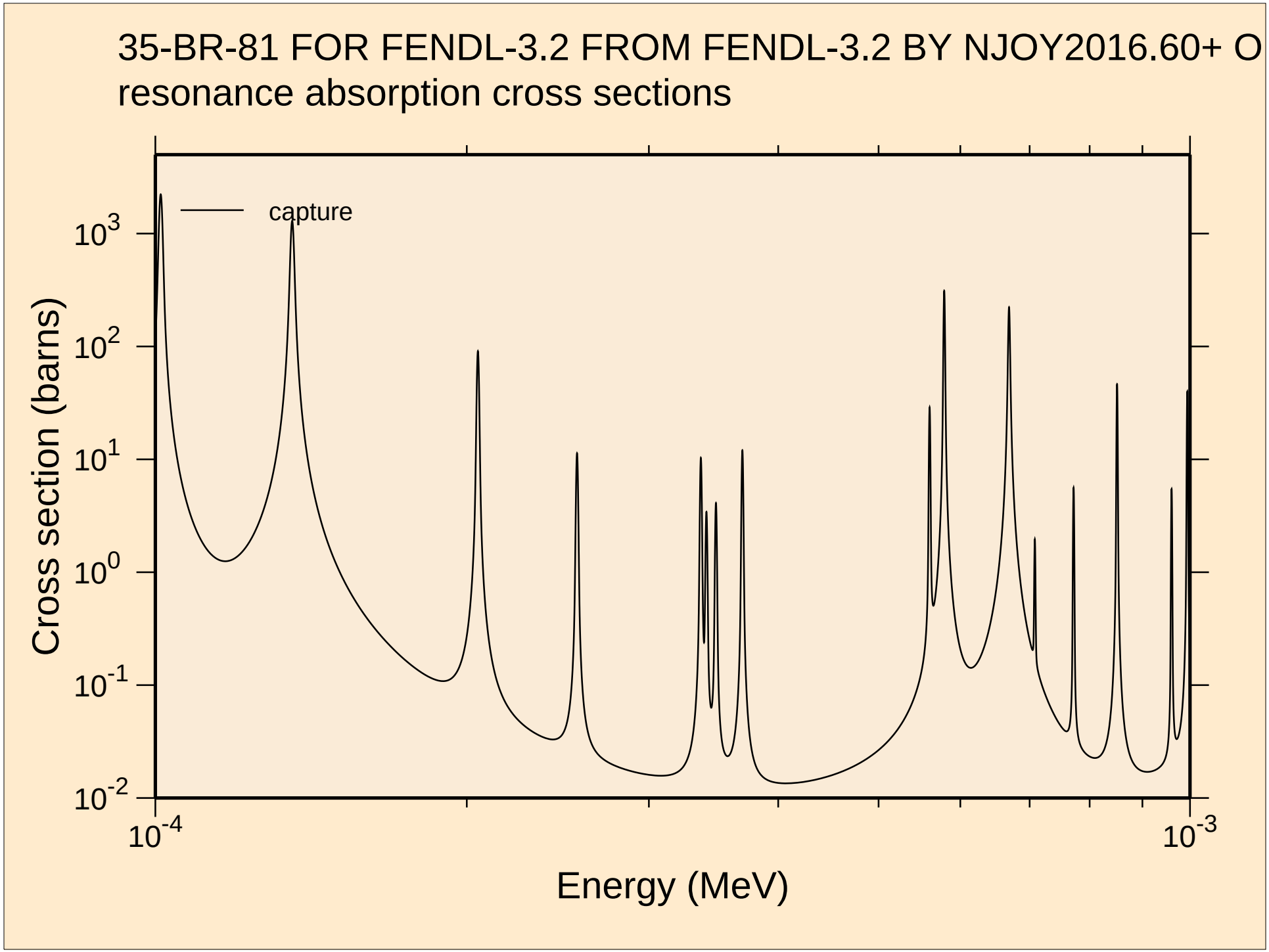

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance total cross section
total
Cross section (barns)
10^2
10^1
10^-5
10^-4
Energy (MeV)

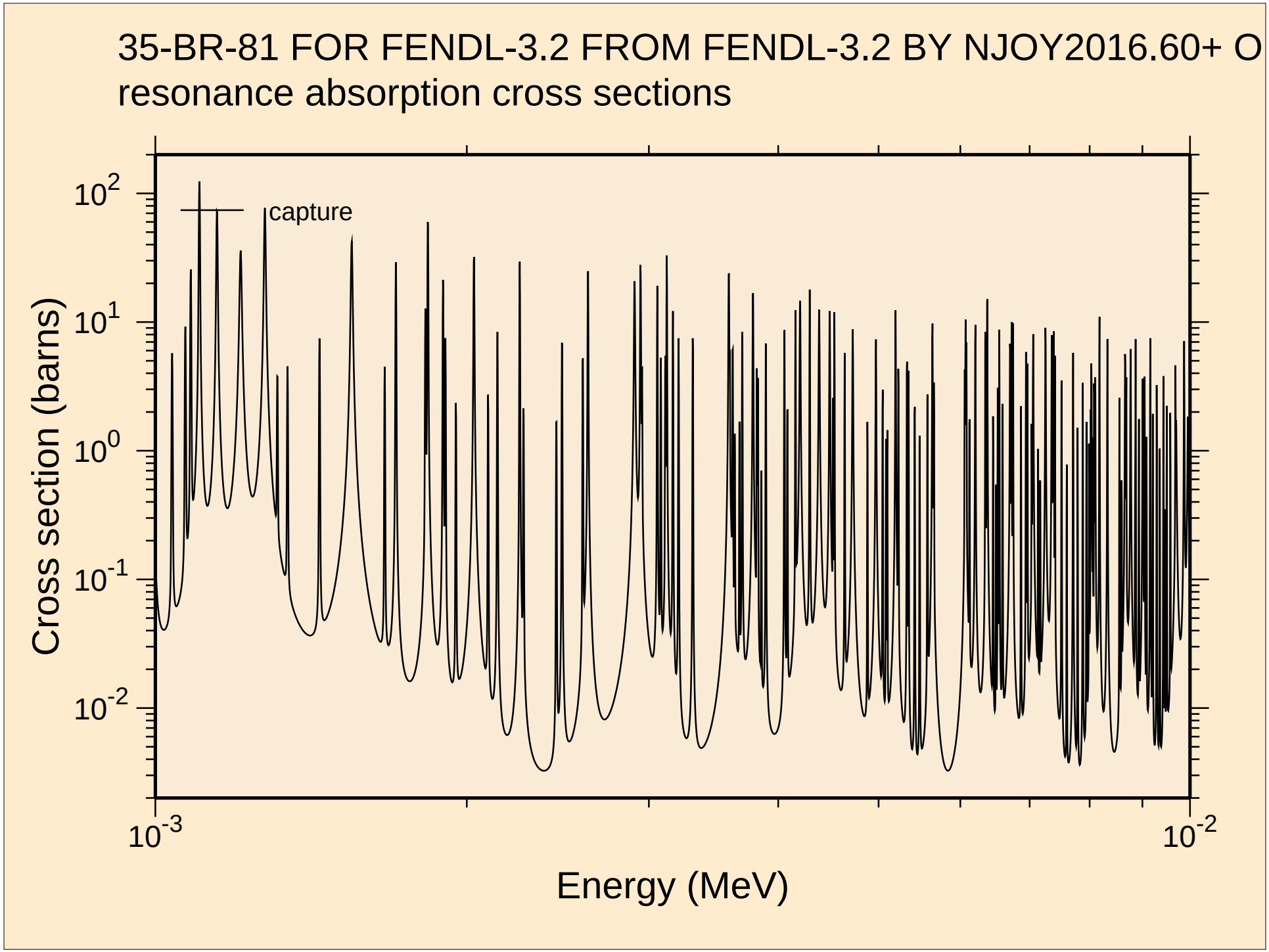

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^0
10^-4
10^-3
Energy (MeV)

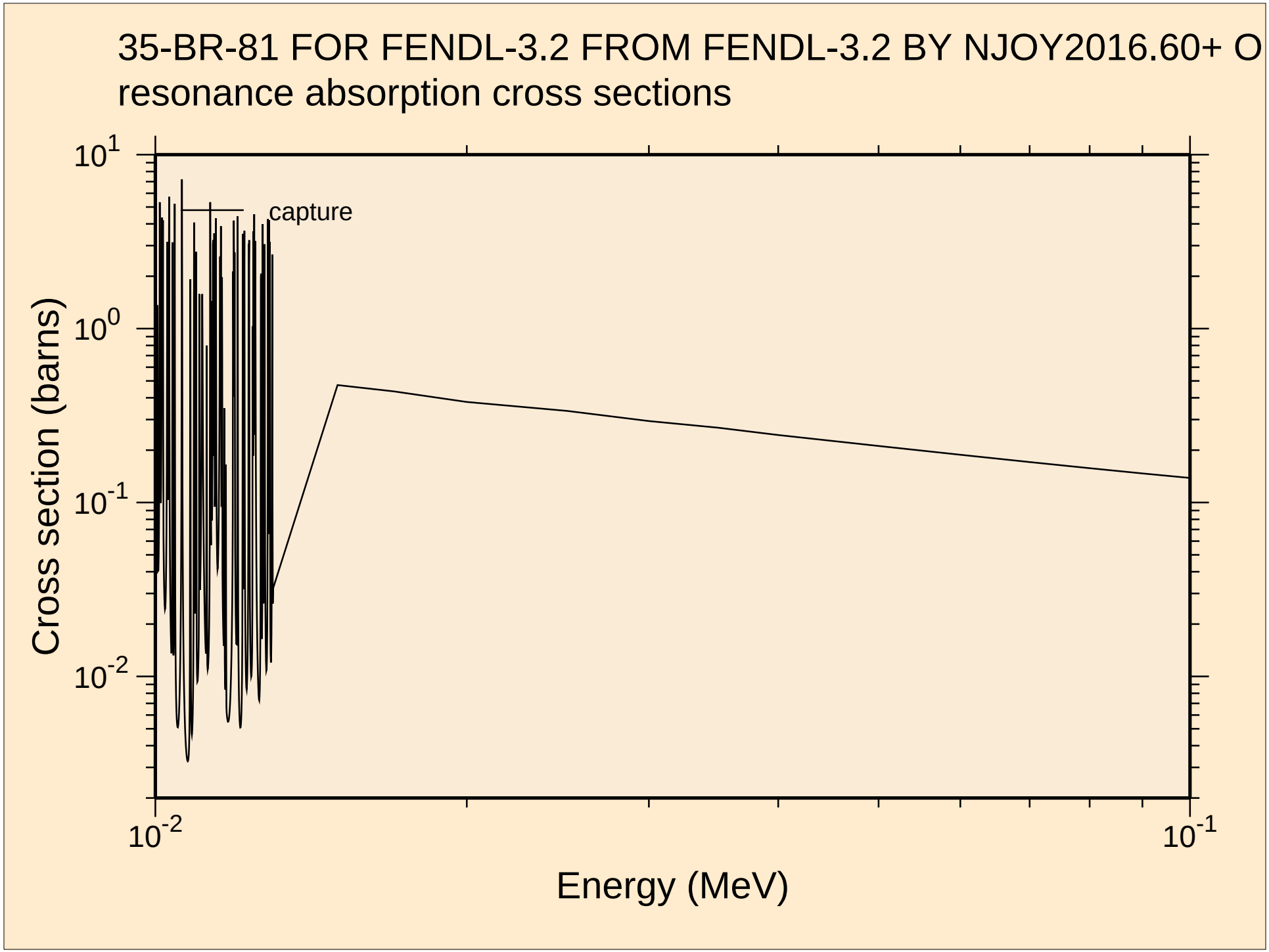

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^0
10^-3
10^-2
Energy (MeV)

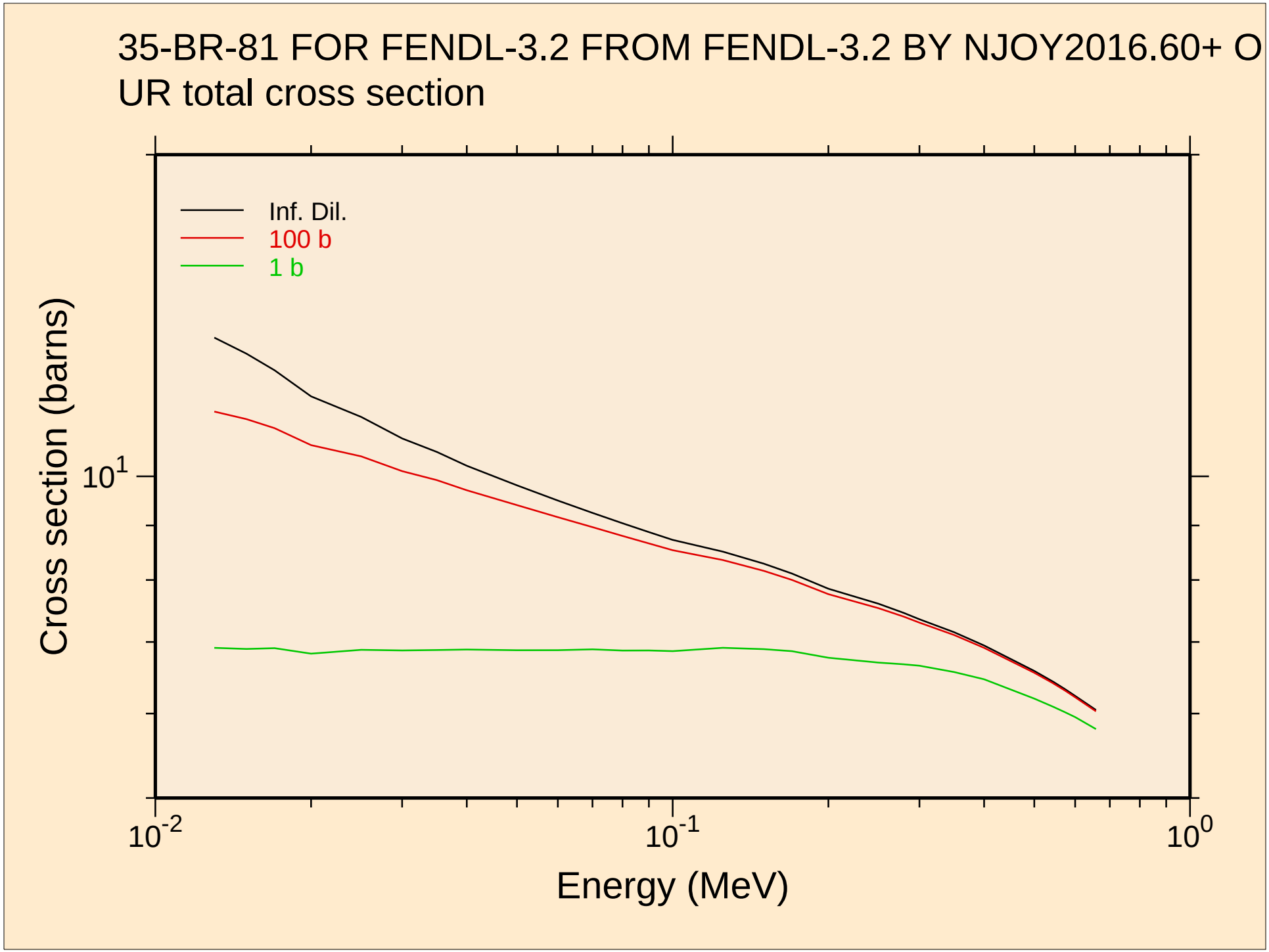

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance total cross section
total
Cross section (barns)
10^2
10^1
10^-2
10^-1
Energy (MeV)

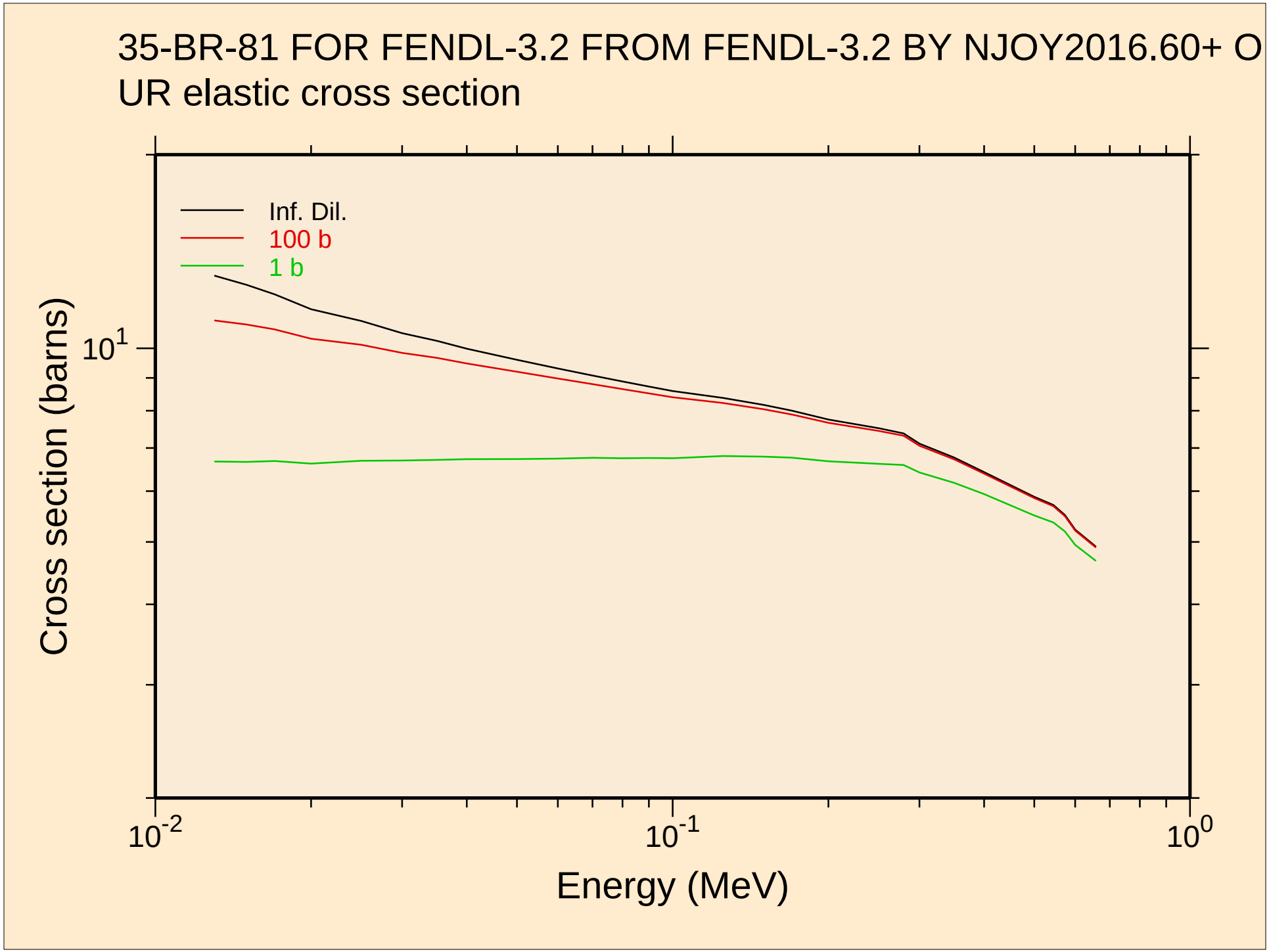

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance absorption cross sections
capture
Cross section (barns)
10^2
10^1
10^0
10^-1
10^-5
10^-4
Energy (MeV)

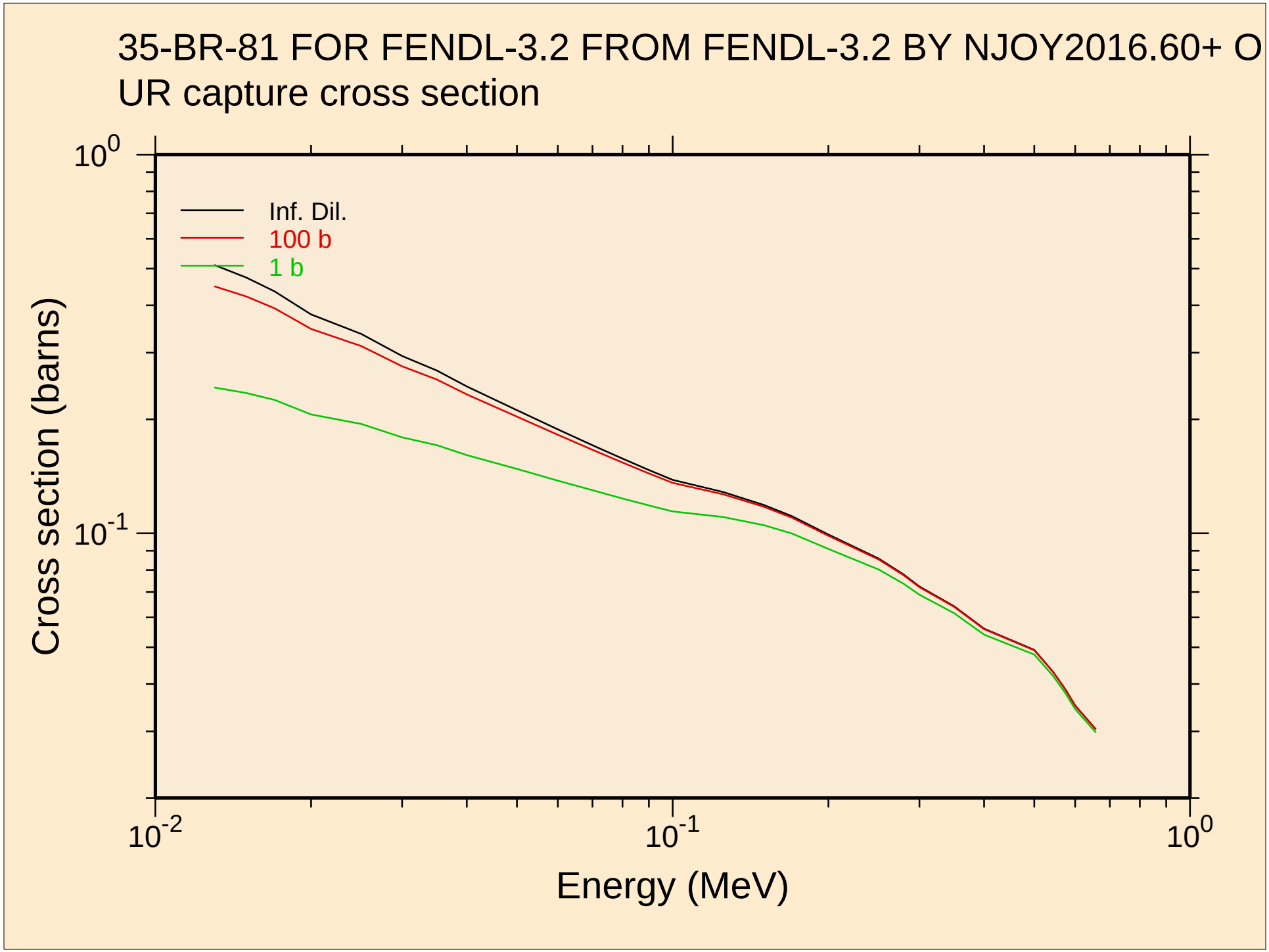

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance absorption cross sections
capture
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-4
10^-3
Energy (MeV)

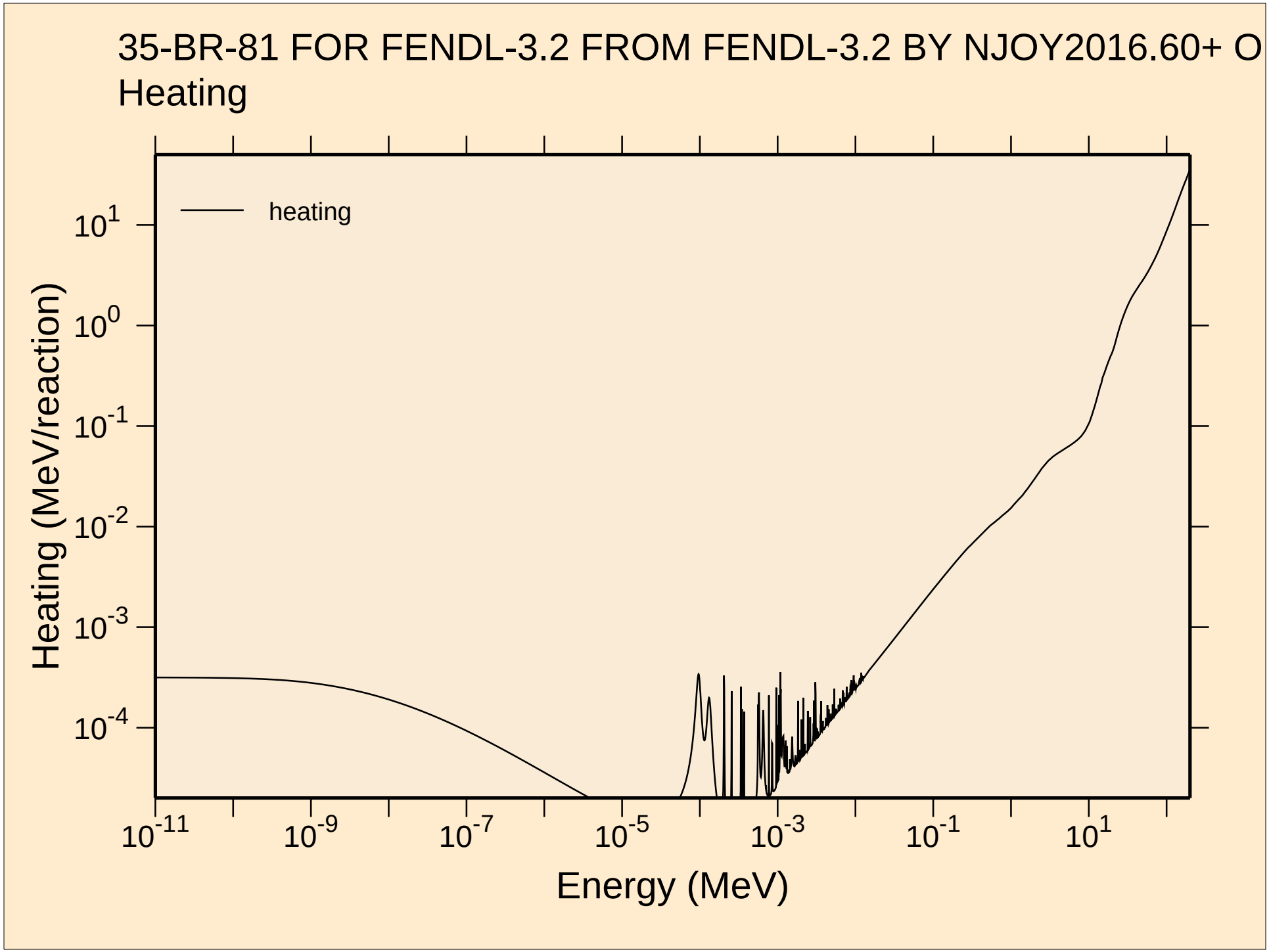

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance absorption cross sections
capture
Cross section (barns)
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-2
Energy (MeV)

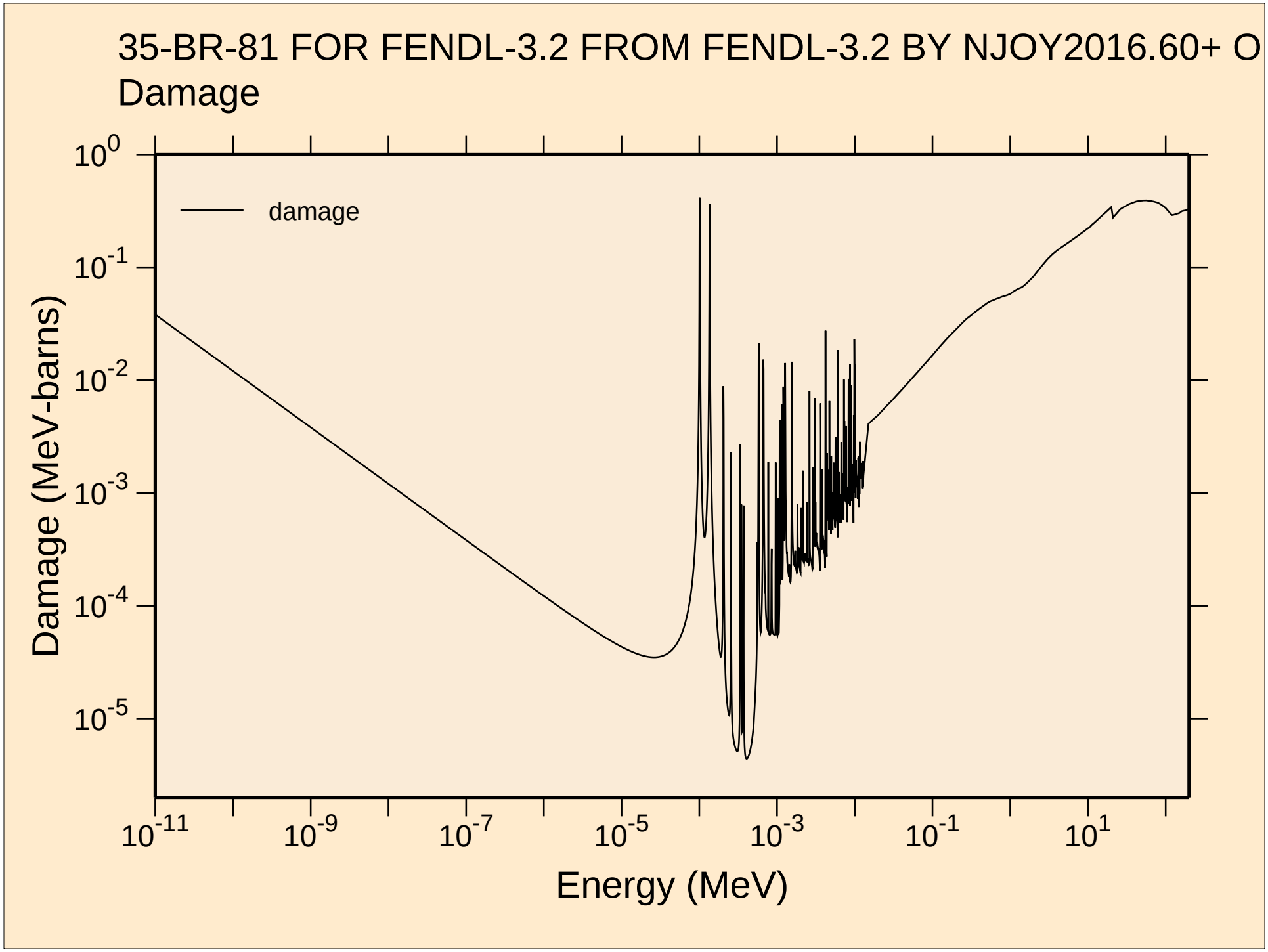

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
resonance absorption cross sections
capture
Cross section (barns)
10^1
10^0
10^-1
10^-2
10^-2
10^-1
Energy (MeV)

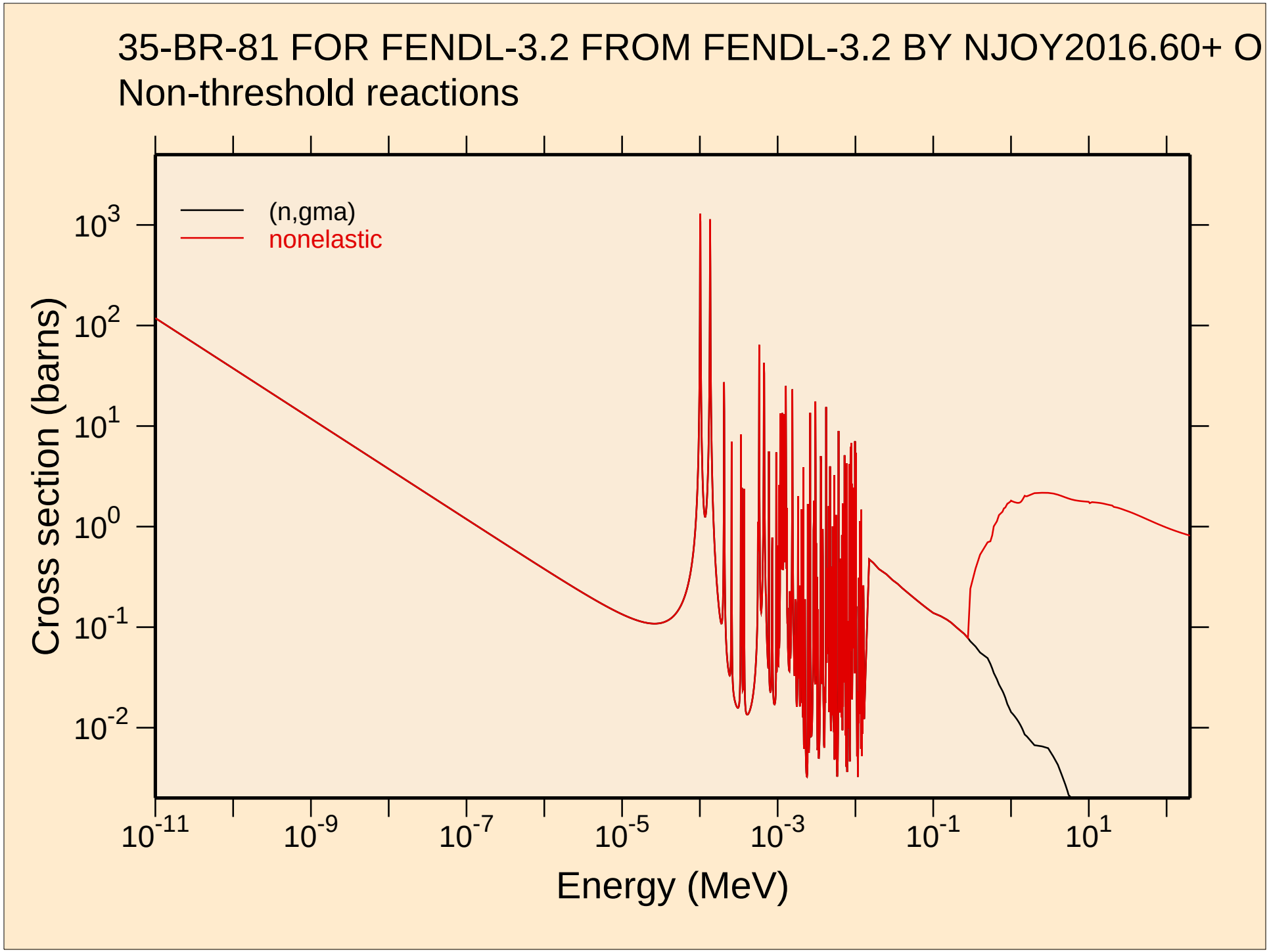

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
UR total cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^1
10^-2
10^-1
10^0
Energy (MeV)

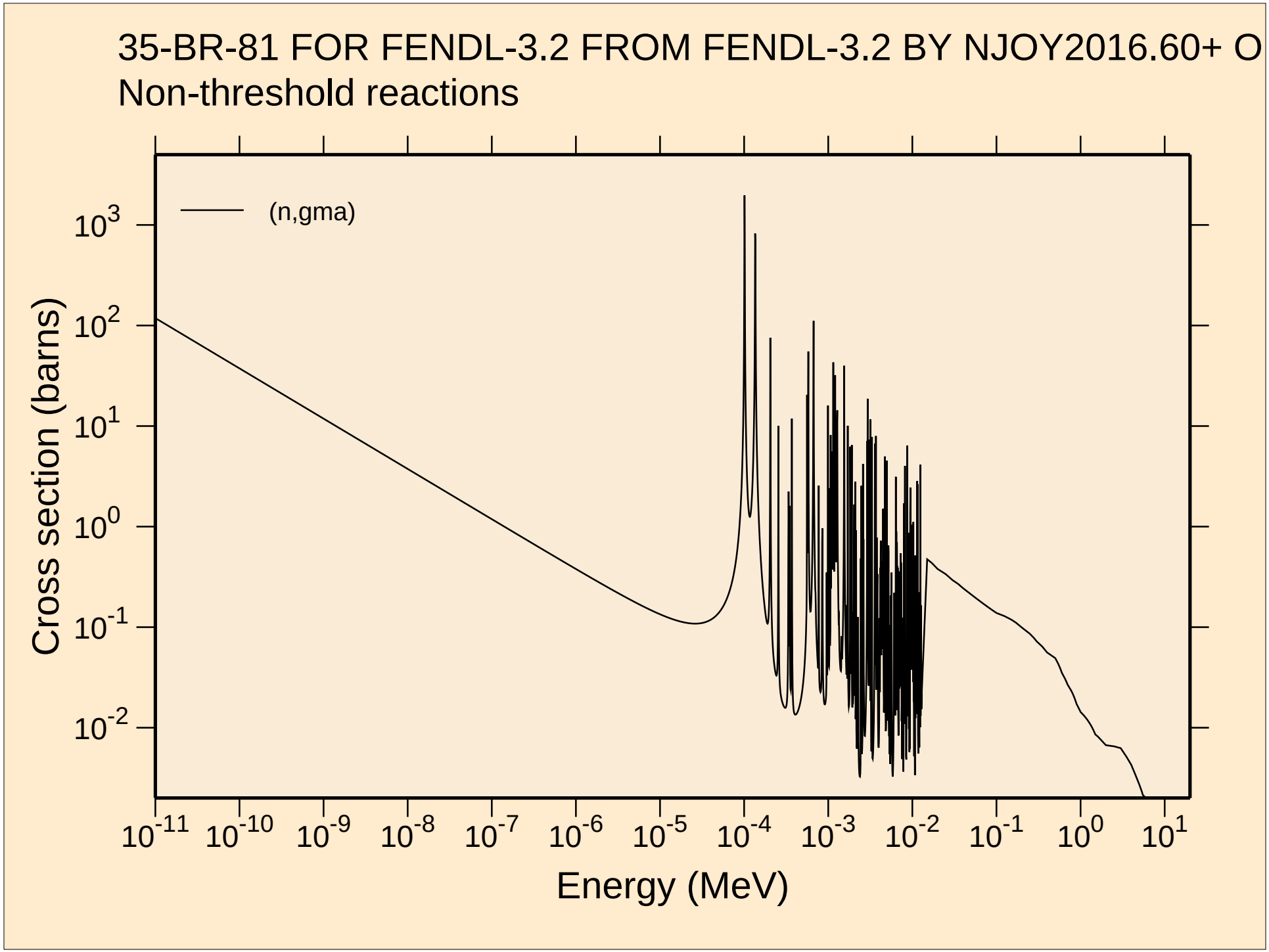

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
UR elastic cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^1
10^-2
10^-1
10^0
Energy (MeV)

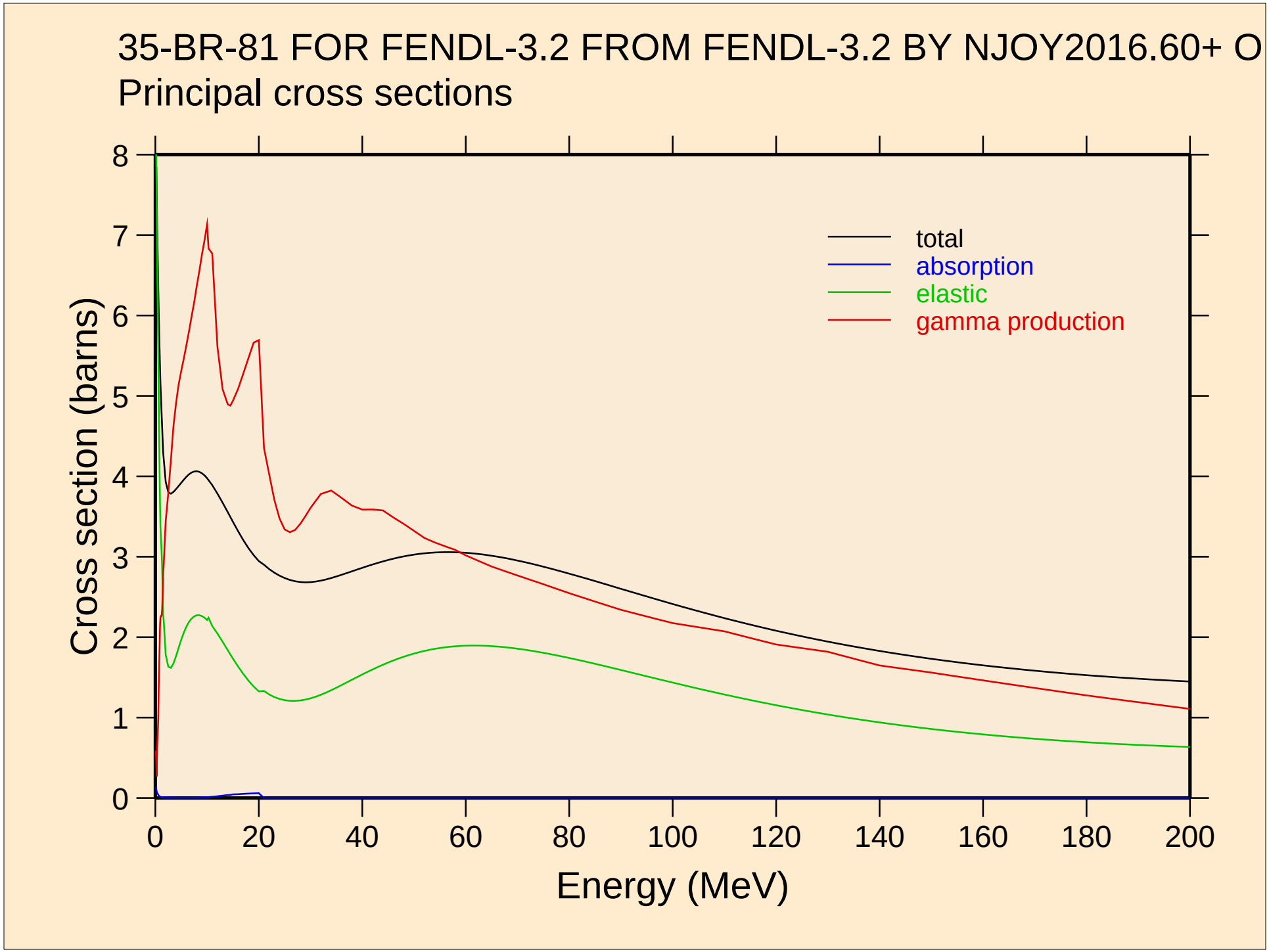

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
UR capture cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
Energy (MeV)
10^0
10^-1
10^-2
10^-1
10^0

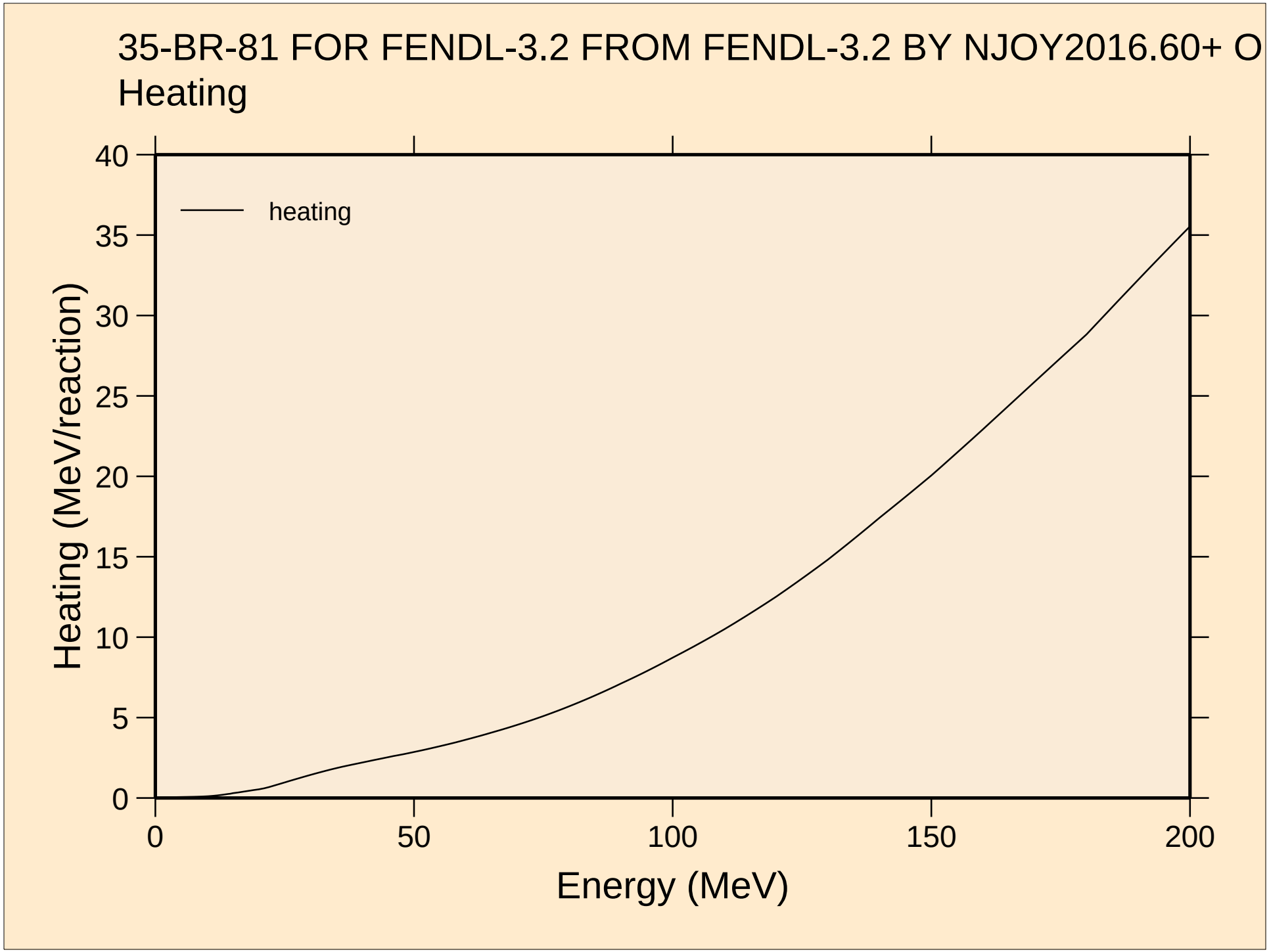

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Heating
heating
Heating (MeV/reaction)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

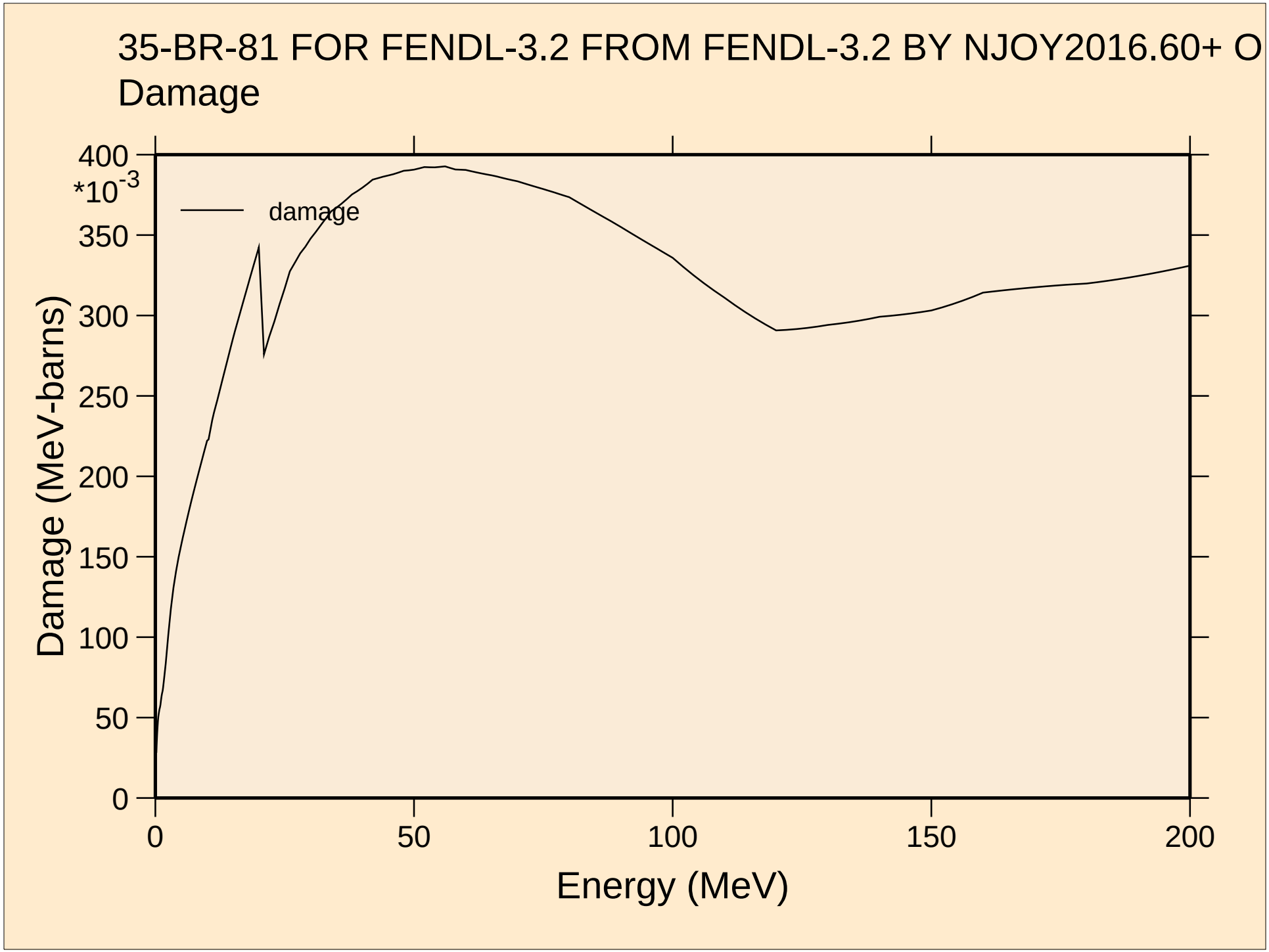

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Damage
damage
Damage (MeV-barns)
Energy (MeV)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

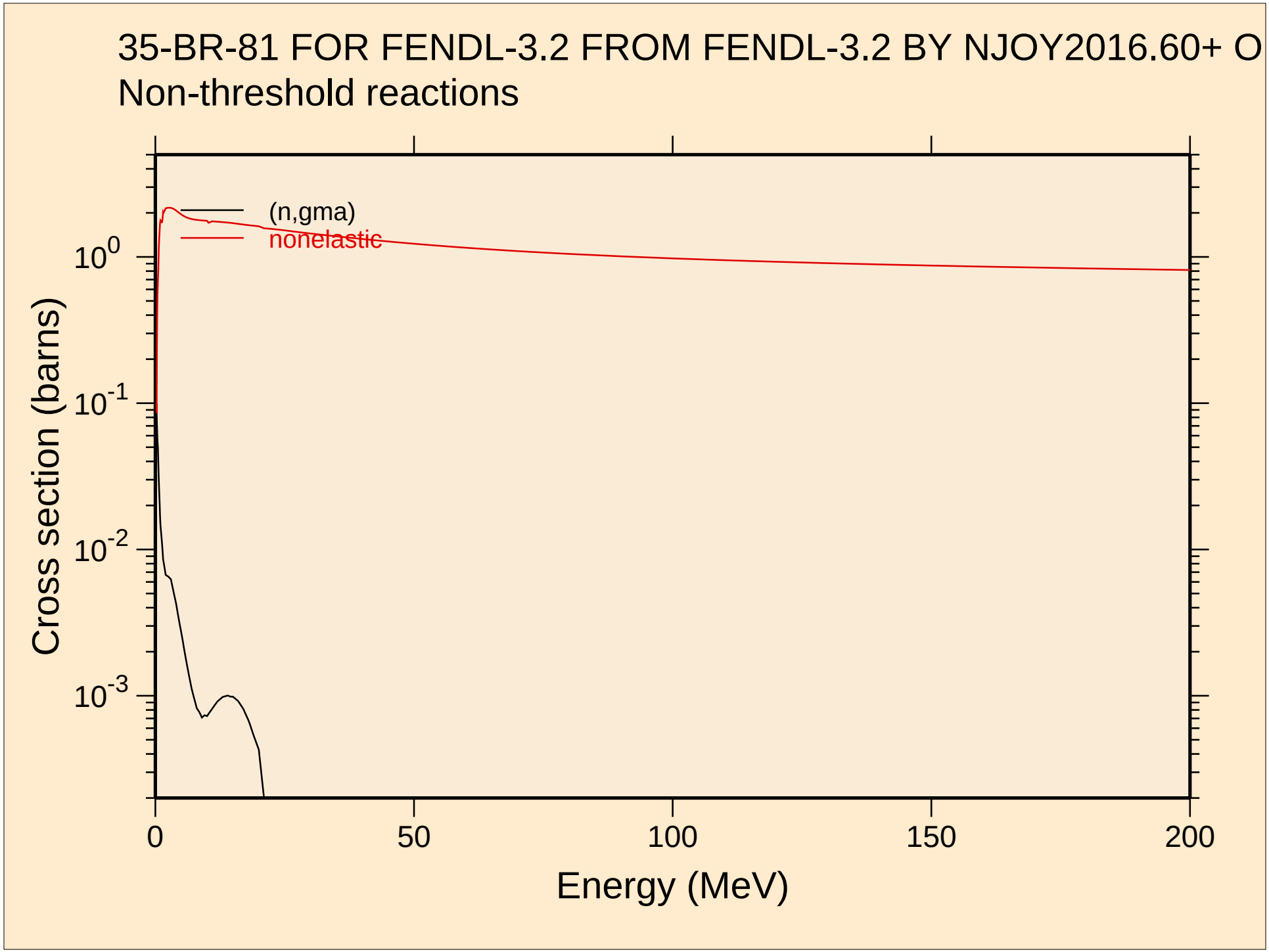

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Non-threshold reactions
(n,gma)
nonelastic
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

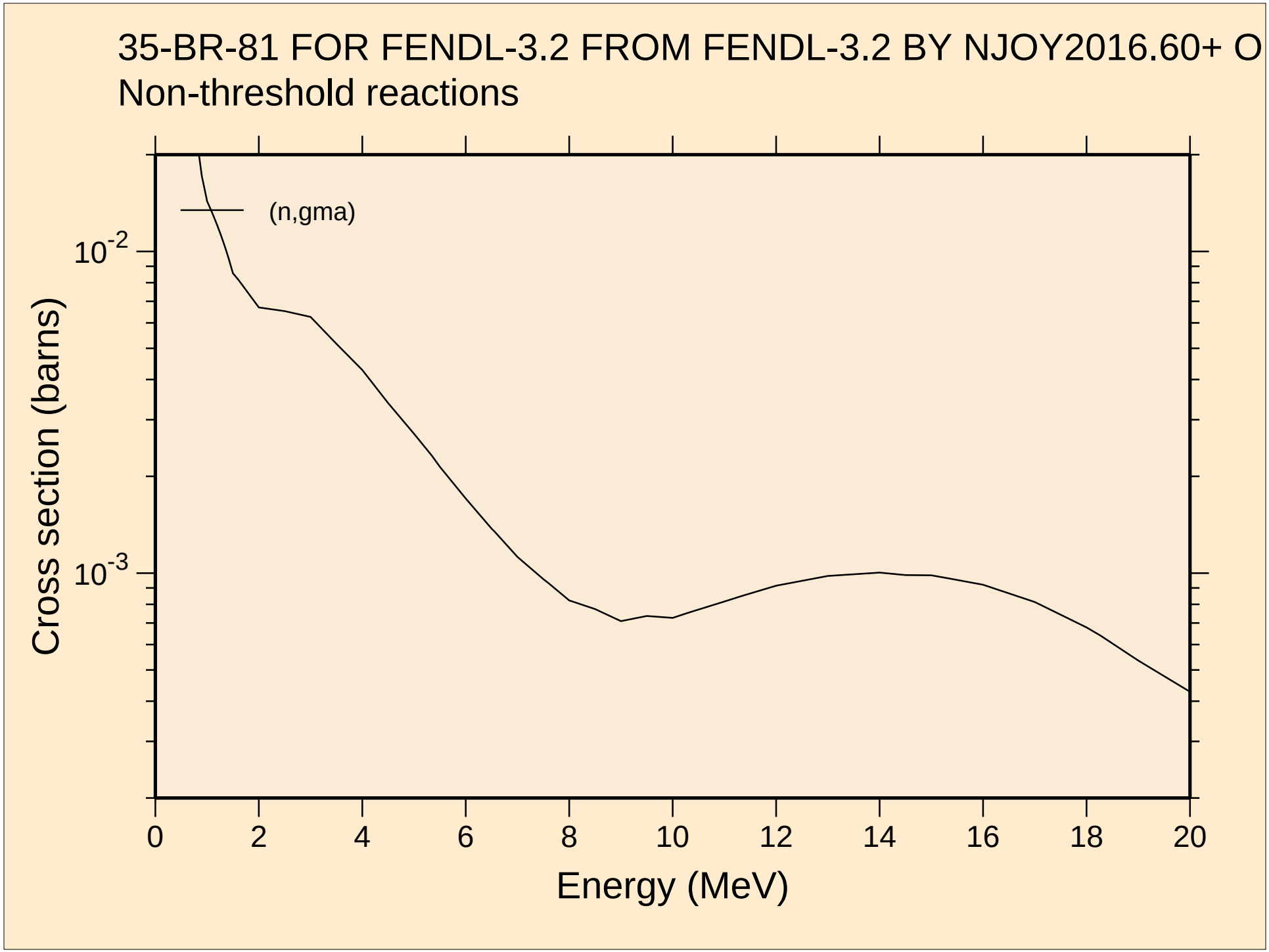

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Non-threshold reactions
(n,gma)
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-11 10^-10 10^-9 10^-8 10^-7 10^-6 10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1
Energy (MeV)

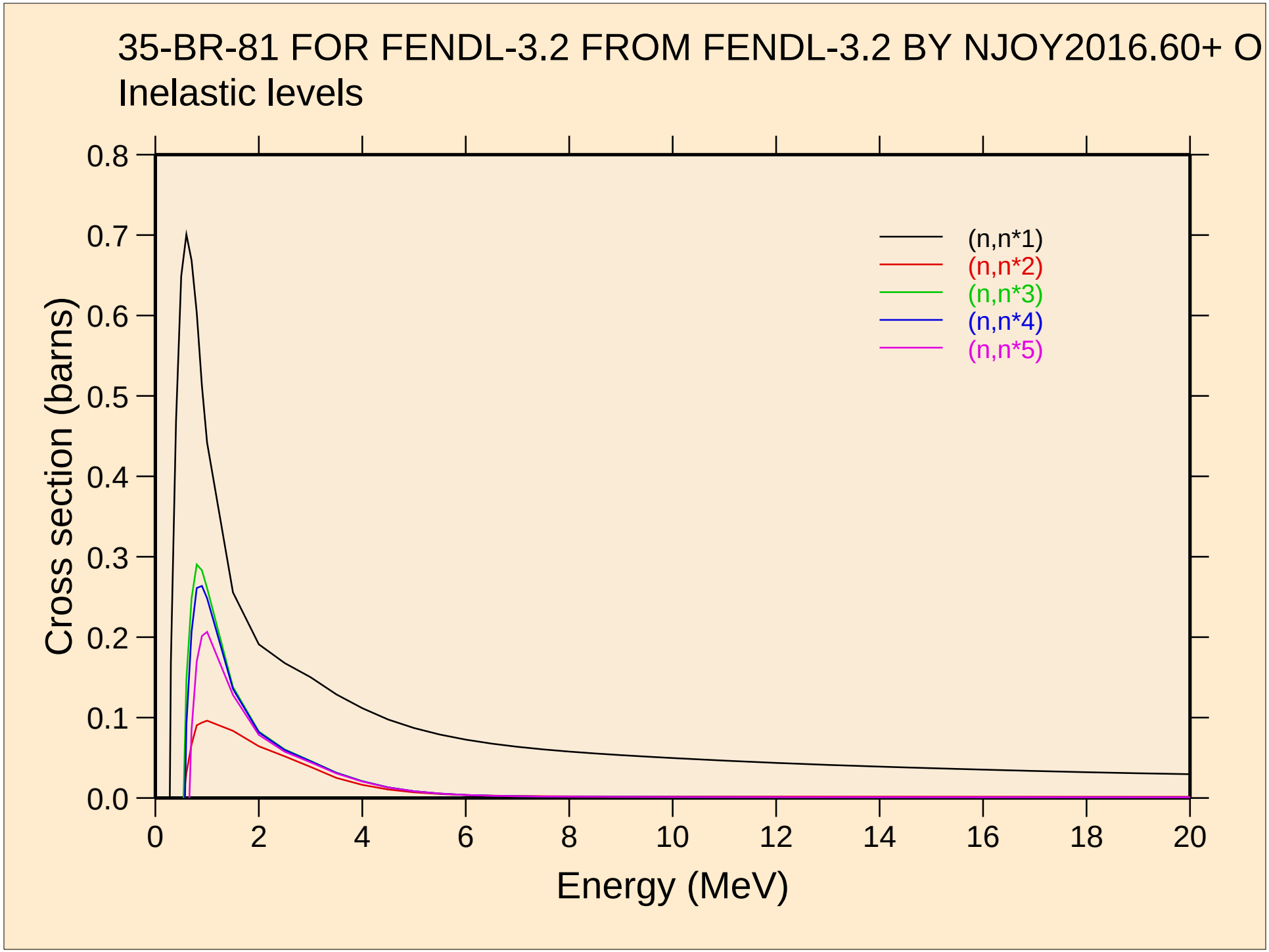

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Principal cross sections
Cross section (barns)
Energy (MeV)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180
200
total
absorption
elastic
gamma production

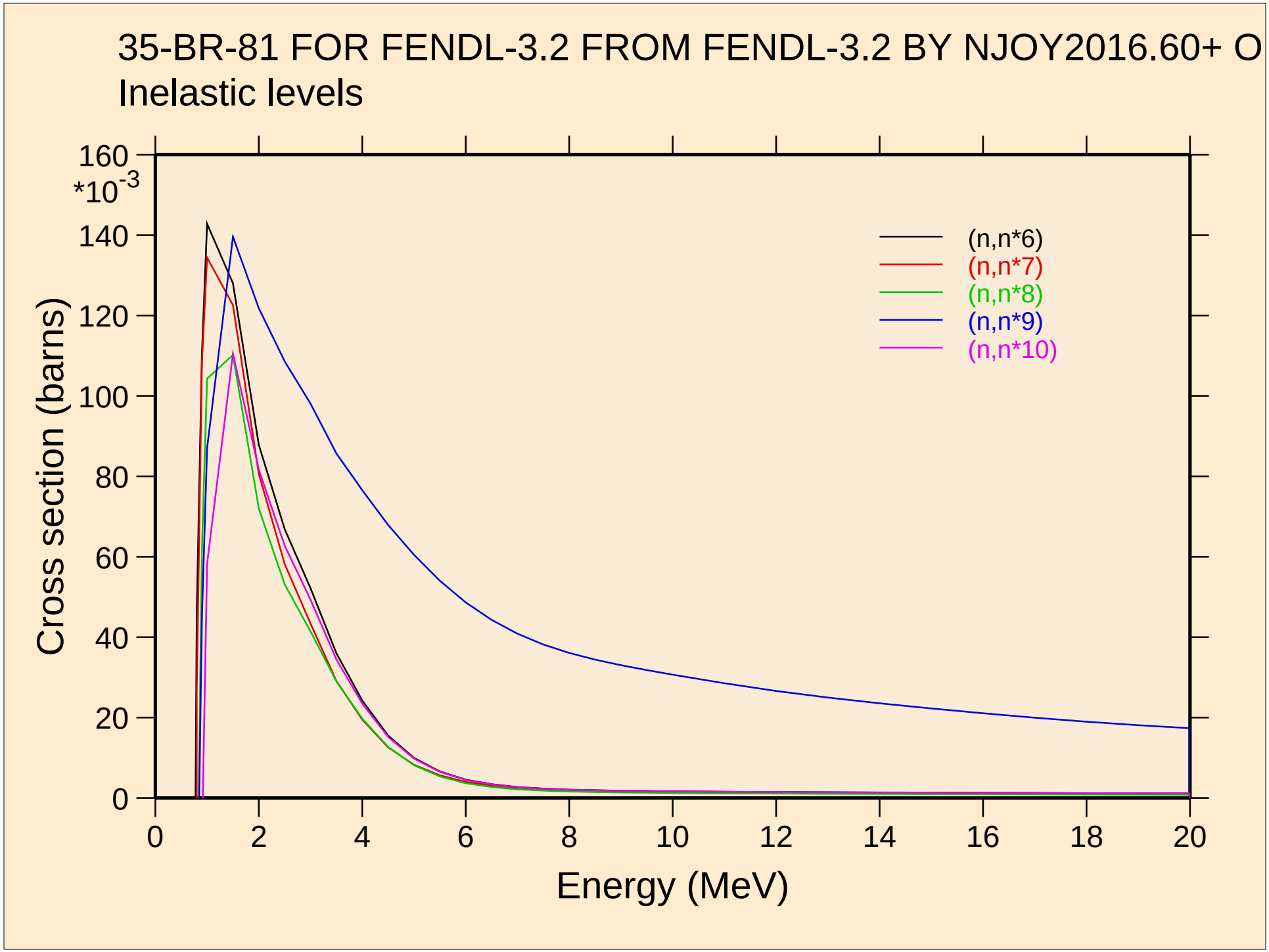

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
5
10
15
20
25
30
35
40
0
50
100
150
200

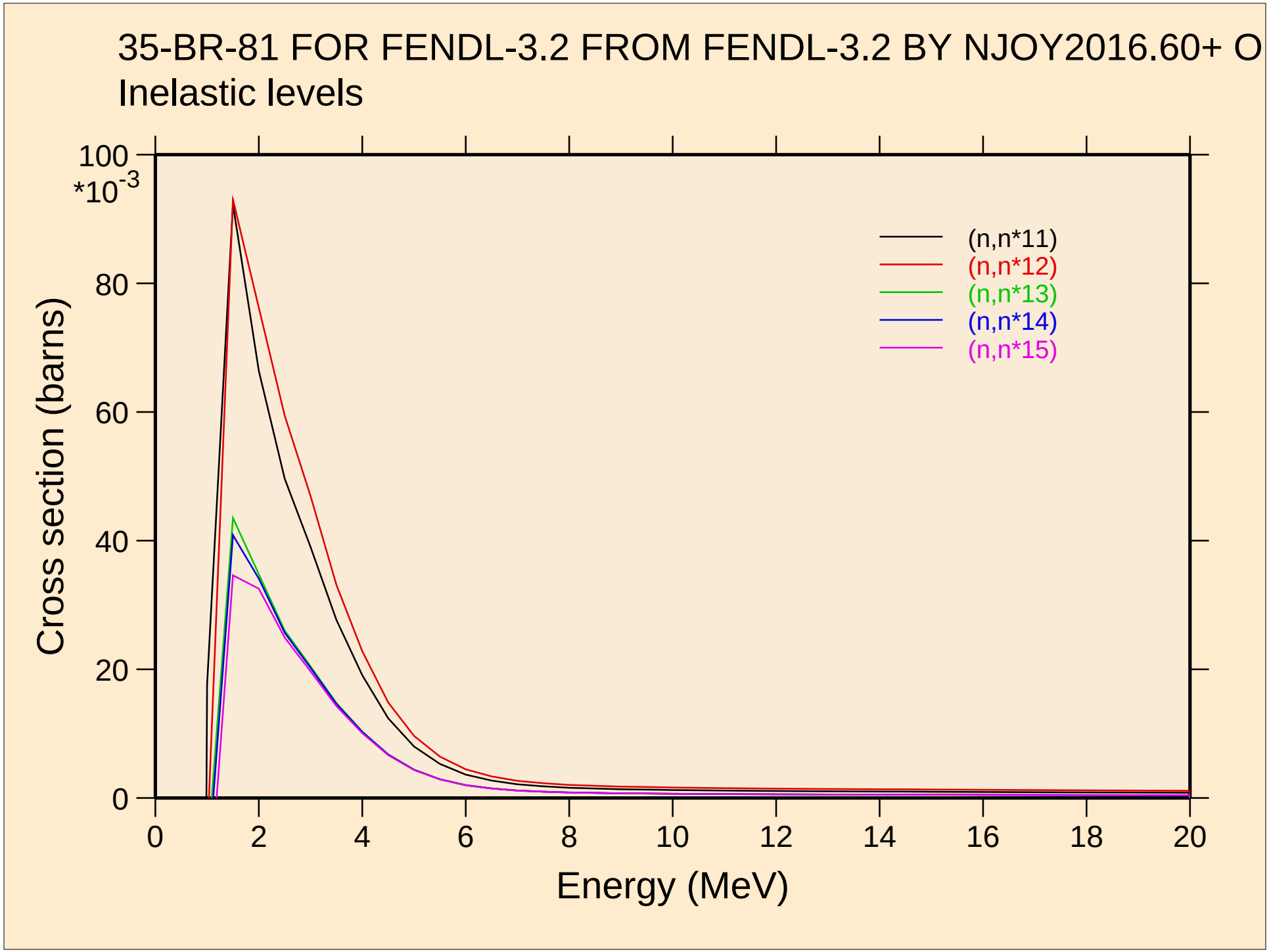

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Damage
400
*10-3
350
300
250
200
150
100
50
0
damage
Damage (MeV-barns)
0
50
100
150
200
Energy (MeV)

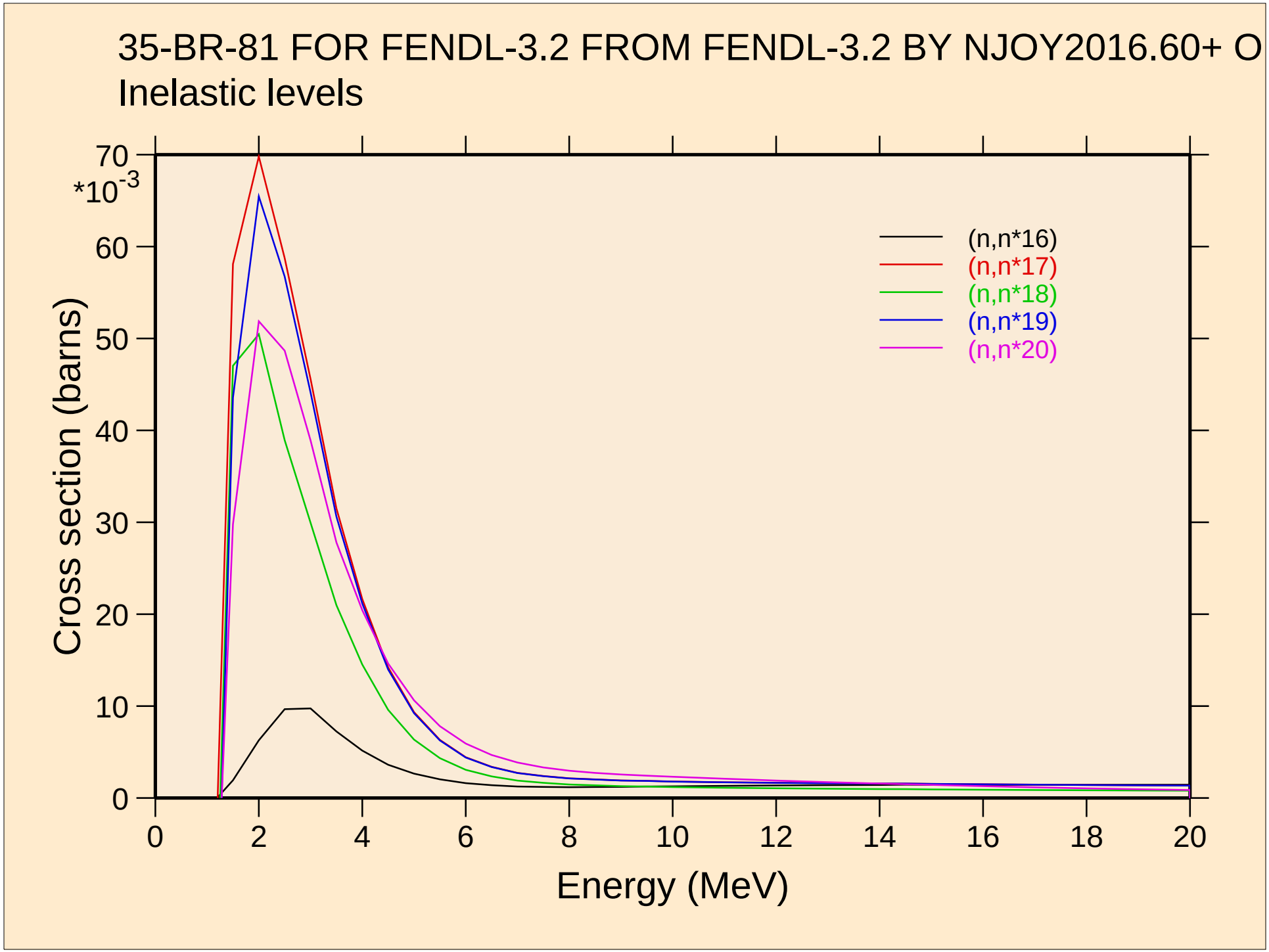

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Non-threshold reactions
(n,gma)
nonelastic
Cross section (barns)
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
Energy (MeV)

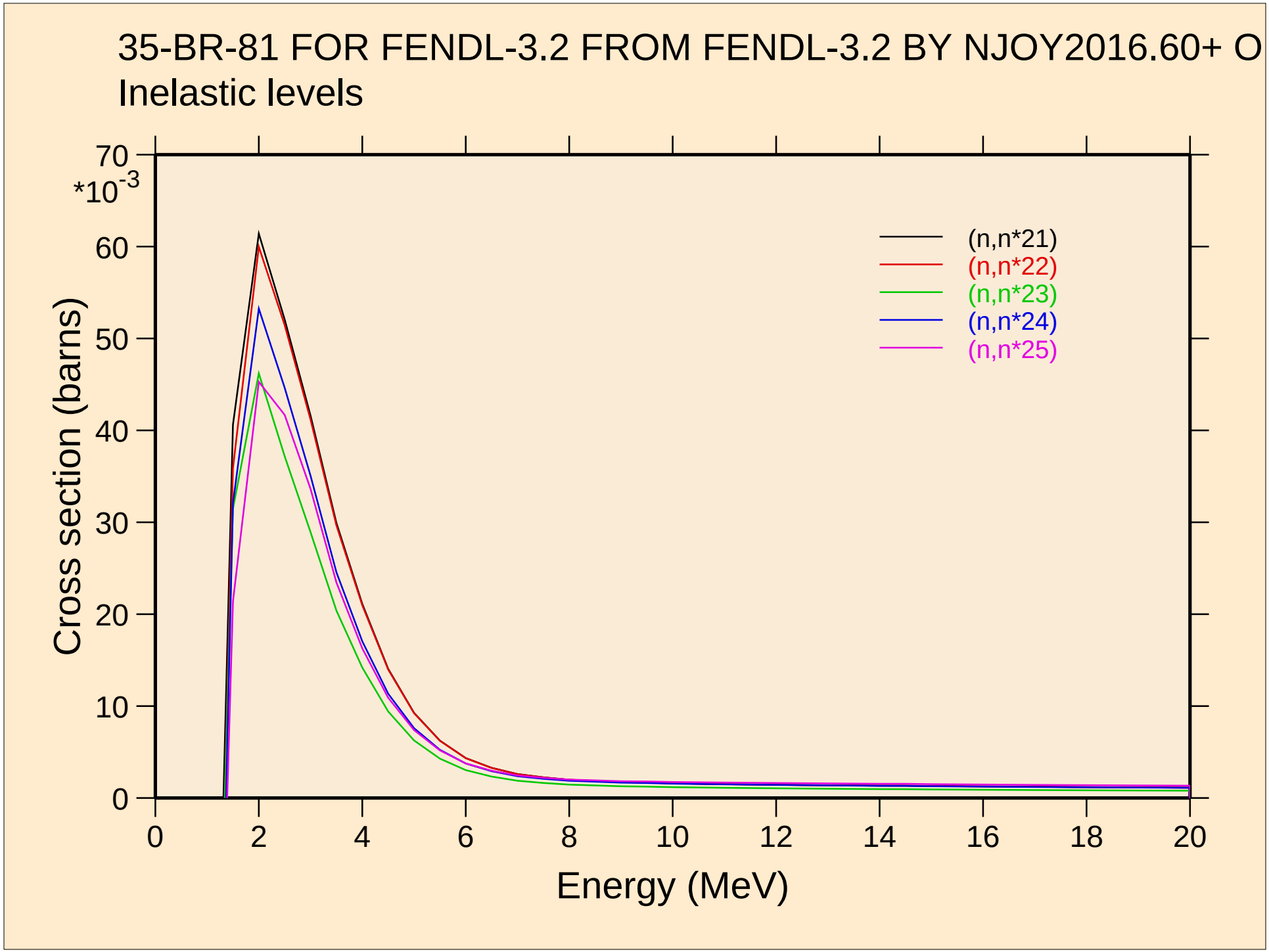

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Non-threshold reactions
(n,gma)
Cross section (barns)
10-2
10-3
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

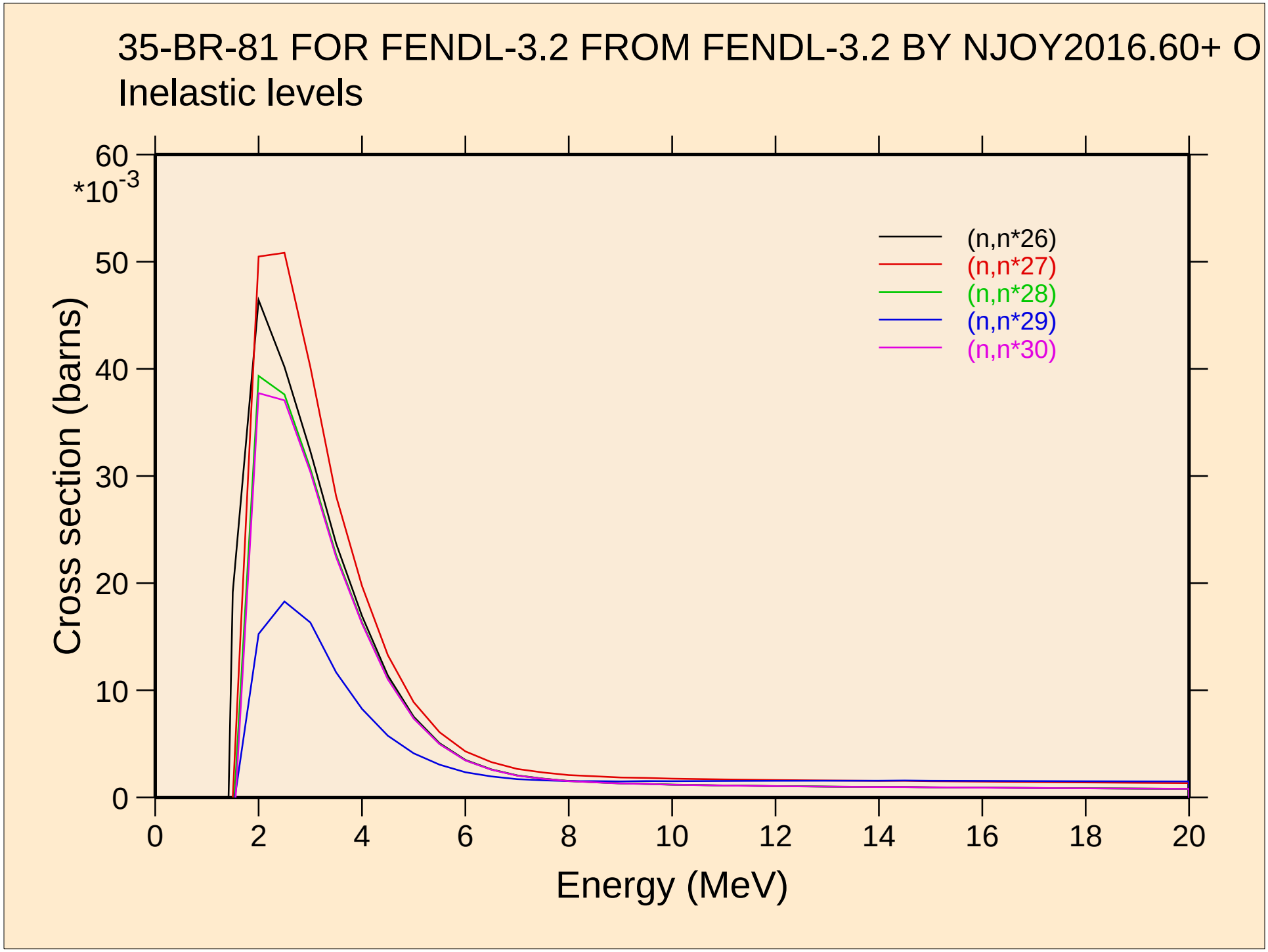

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
2
4
6
8
10
12
14
16
18
20
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

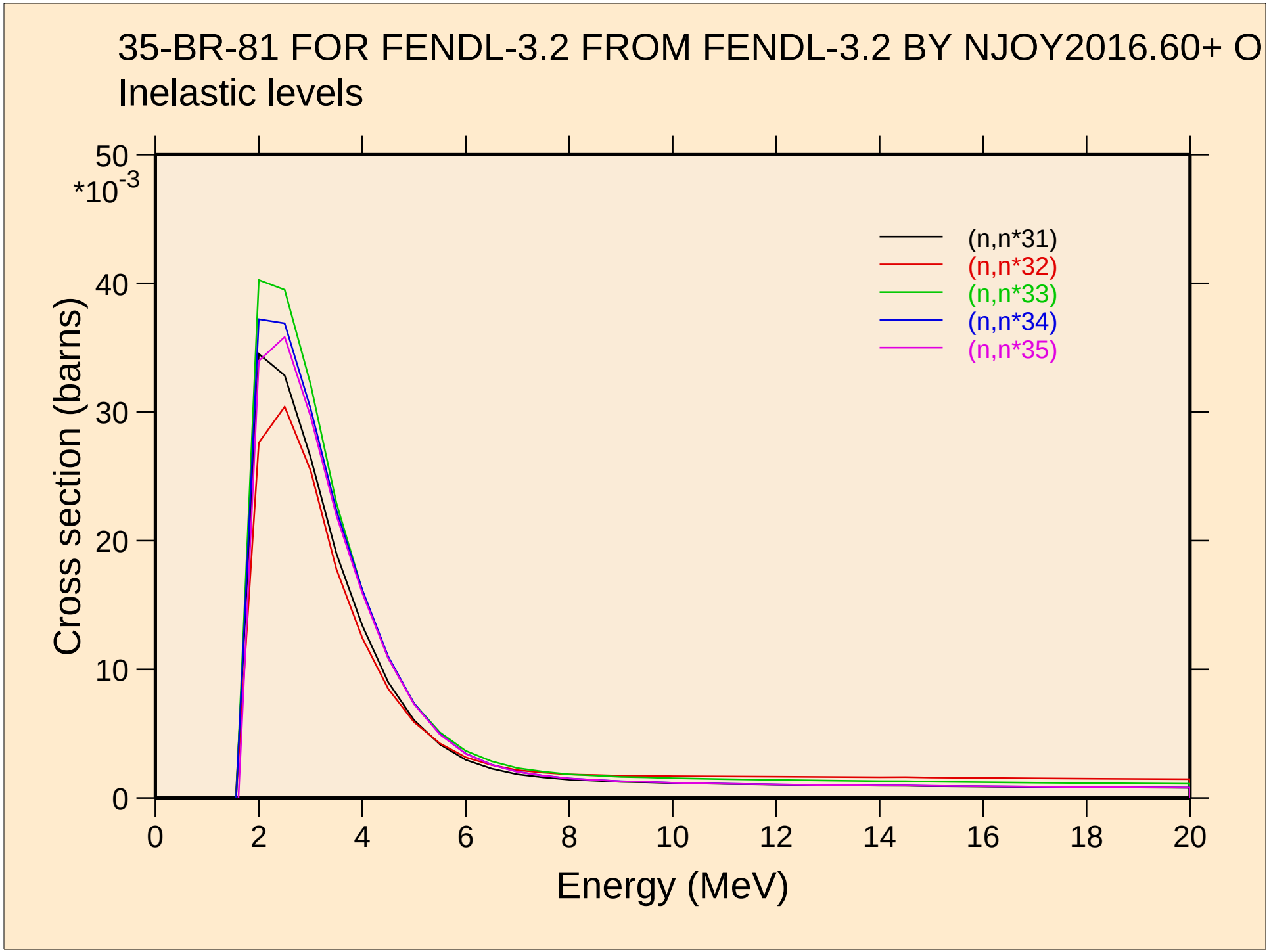

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
*10-3
160
140
120
100
80
60
40
20
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

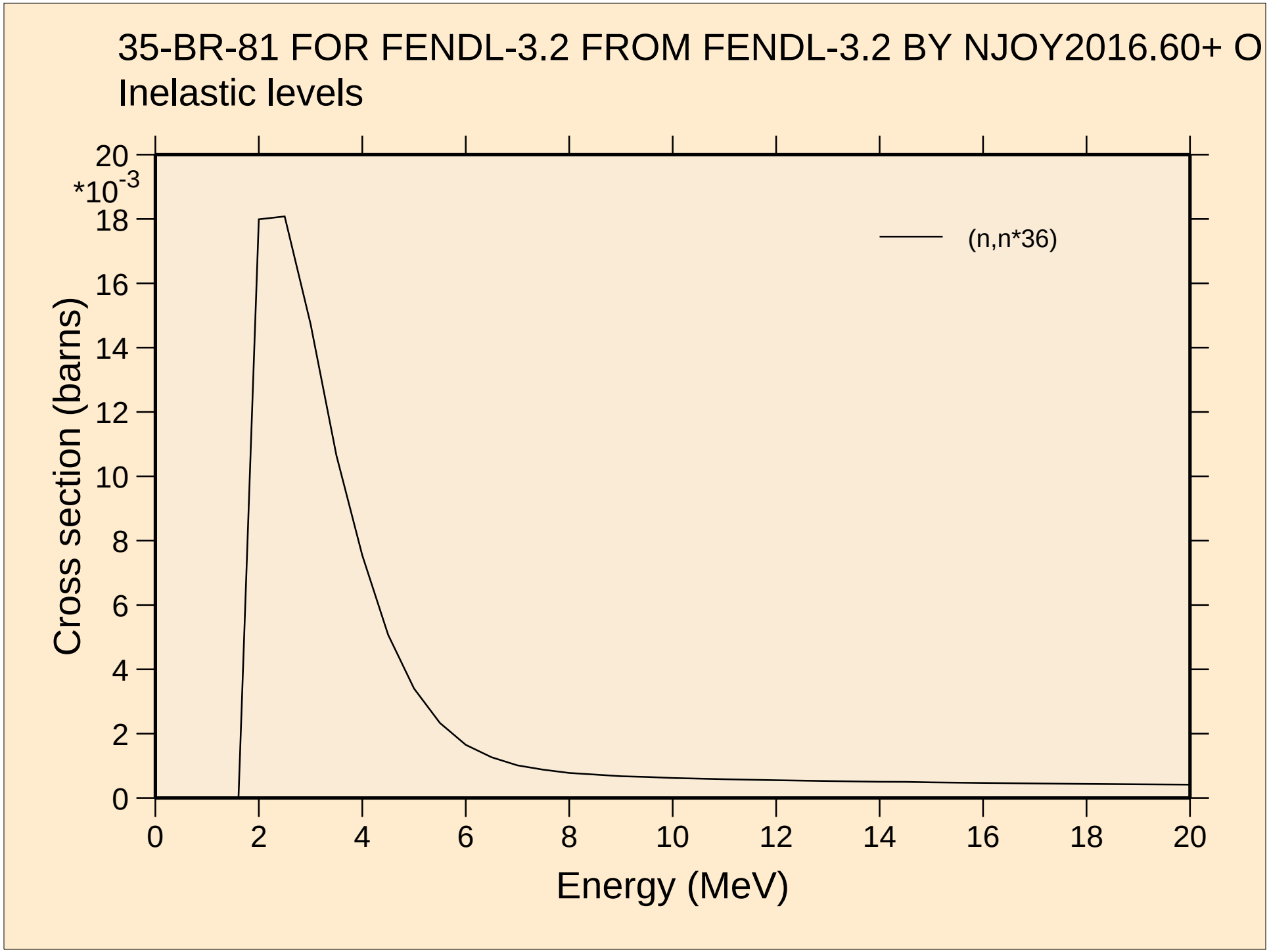

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
100
*10-3
80
60
40
20
0
Cross section (barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

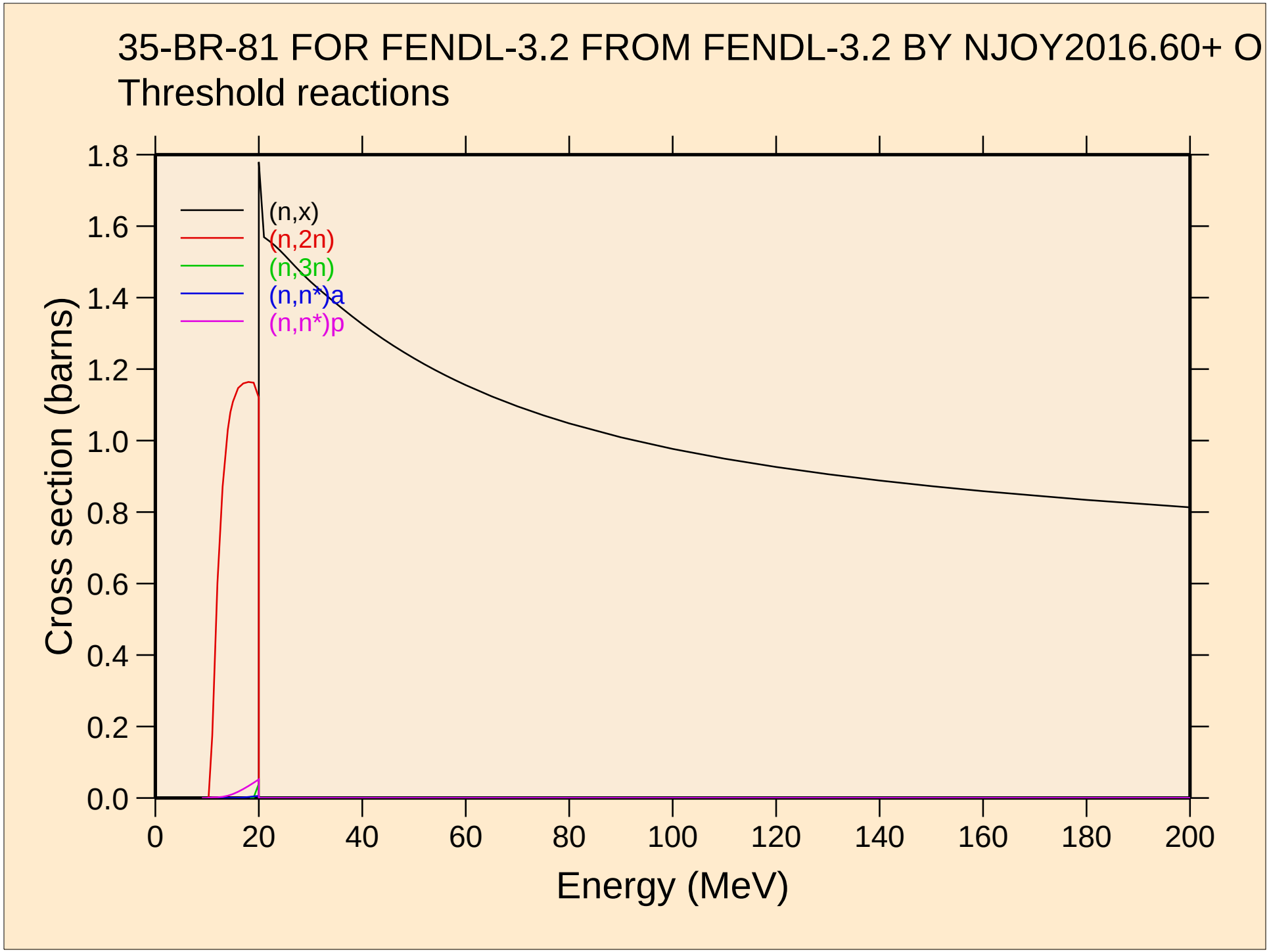

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
*10-3
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

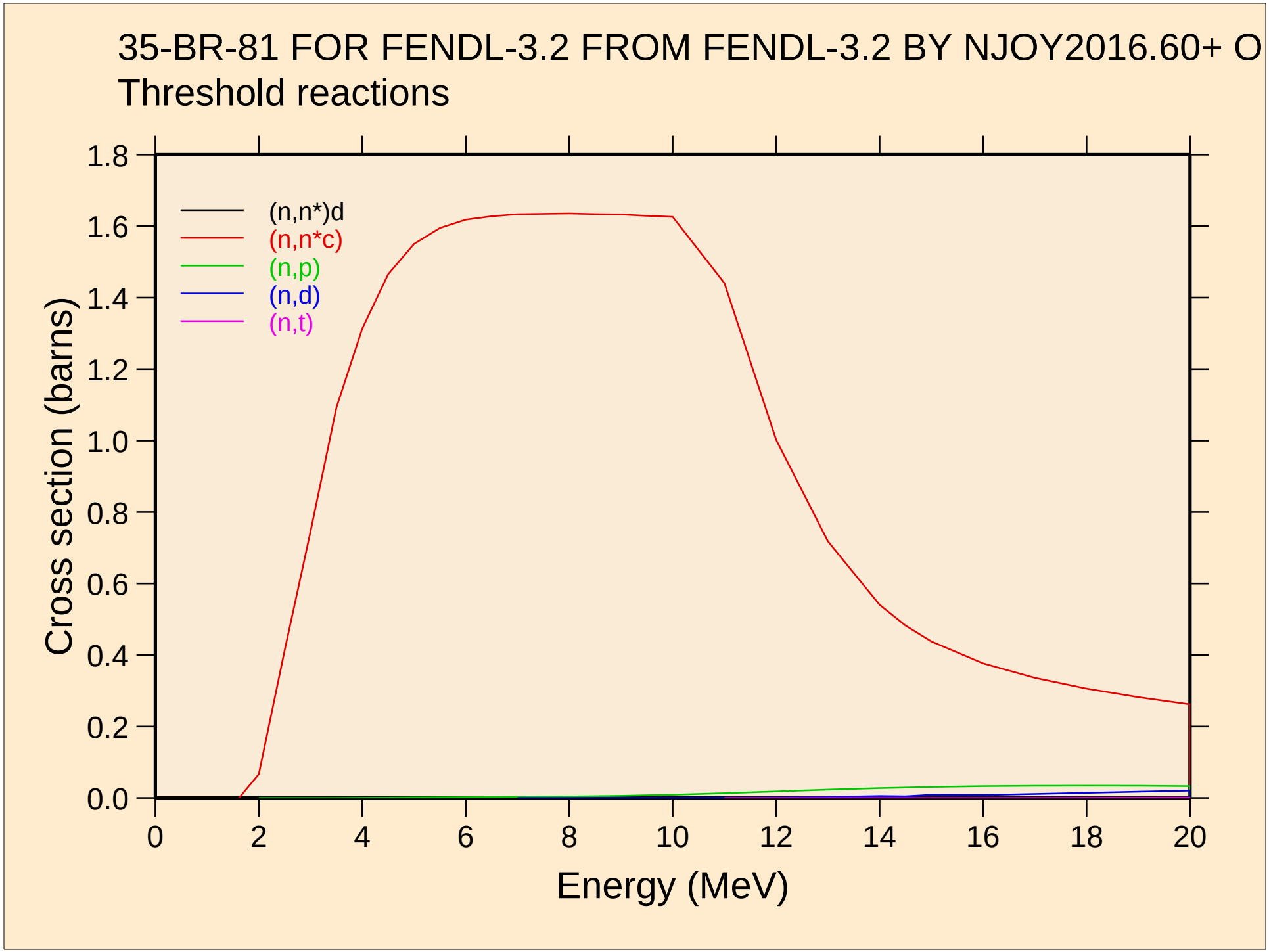

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
*10-3
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)

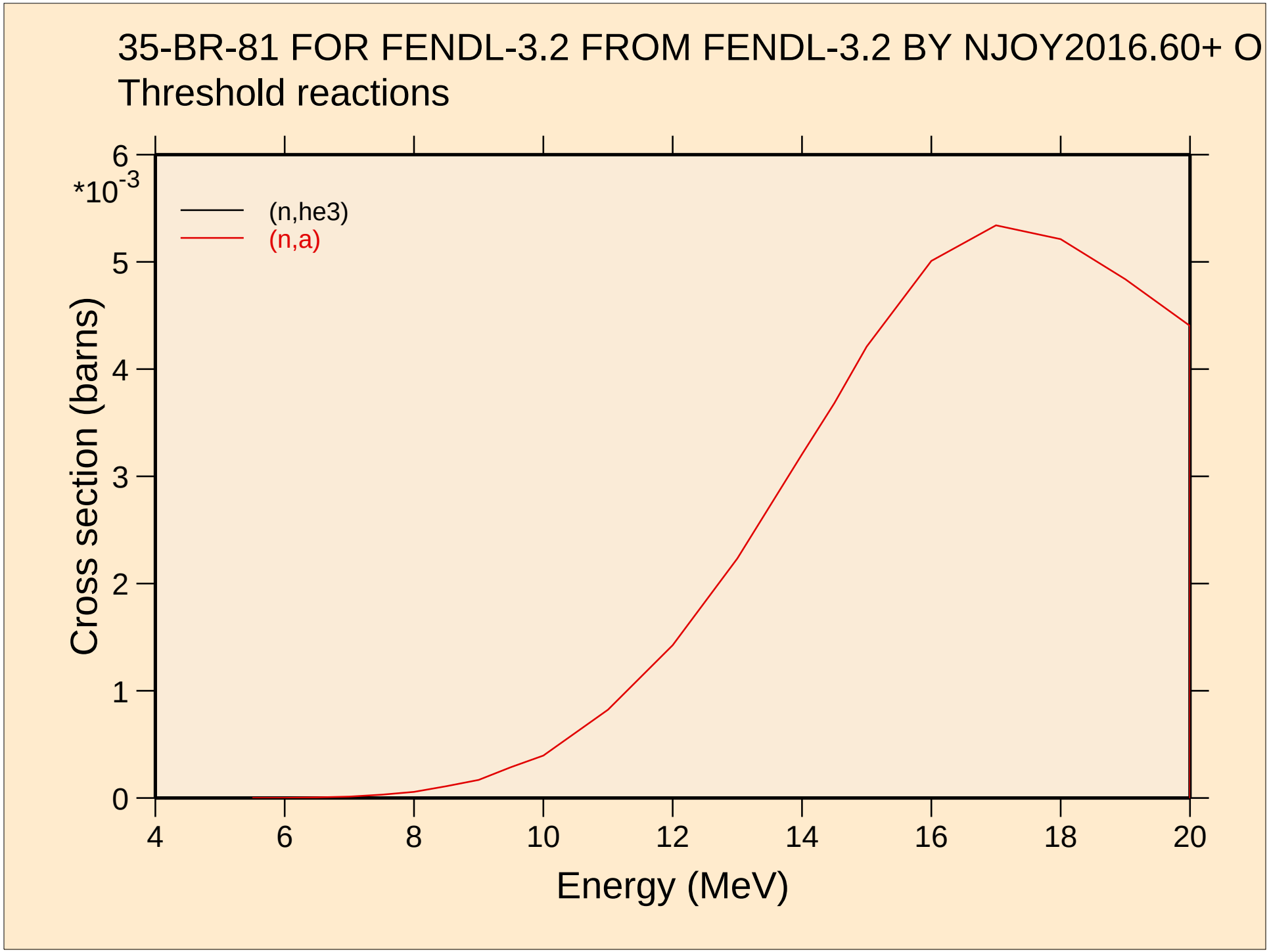

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
*10-3
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

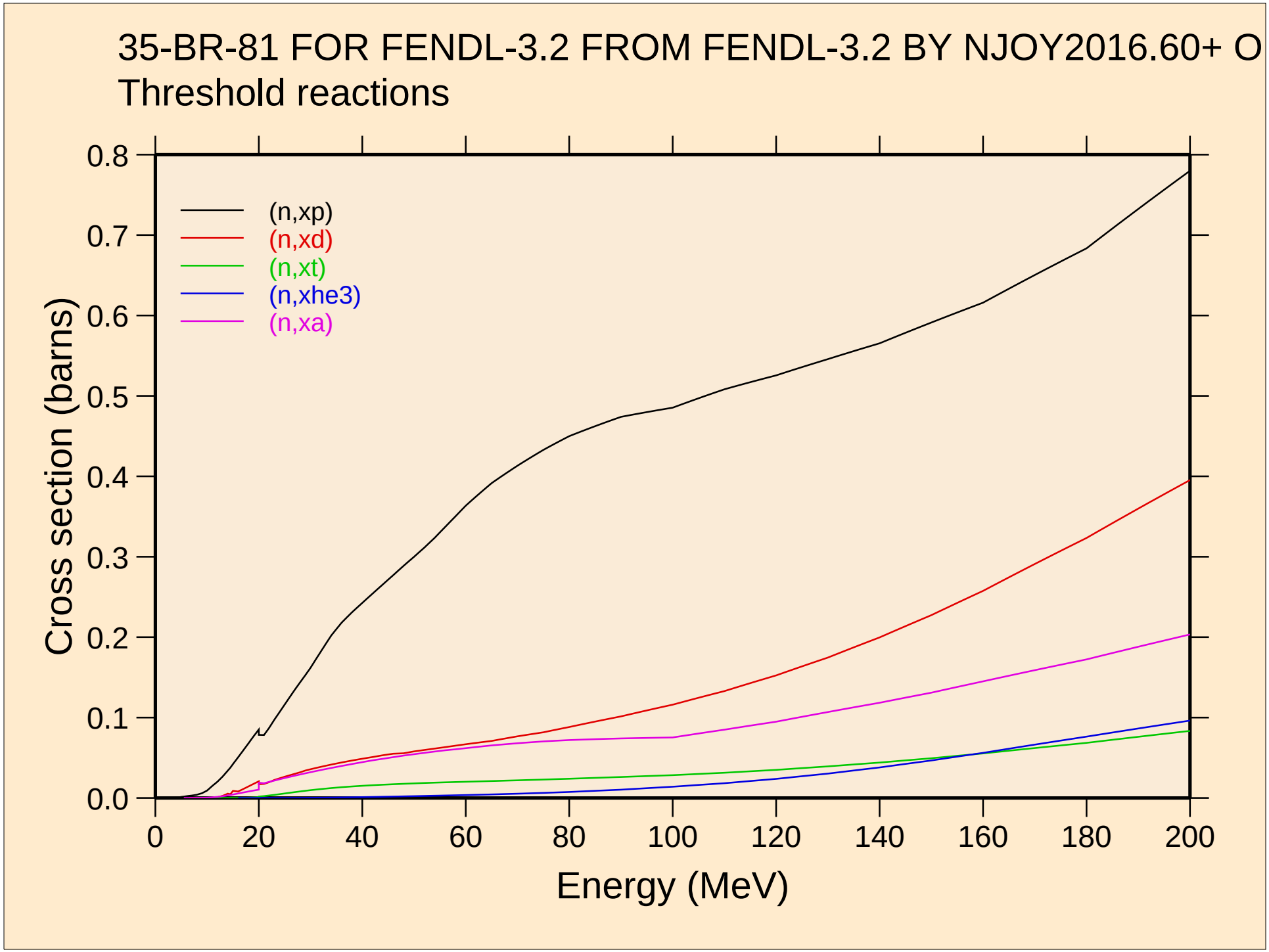

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
Cross section (barns)
*10-3
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*31)
(n,n*32)
(n,n*33)
(n,n*34)
(n,n*35)

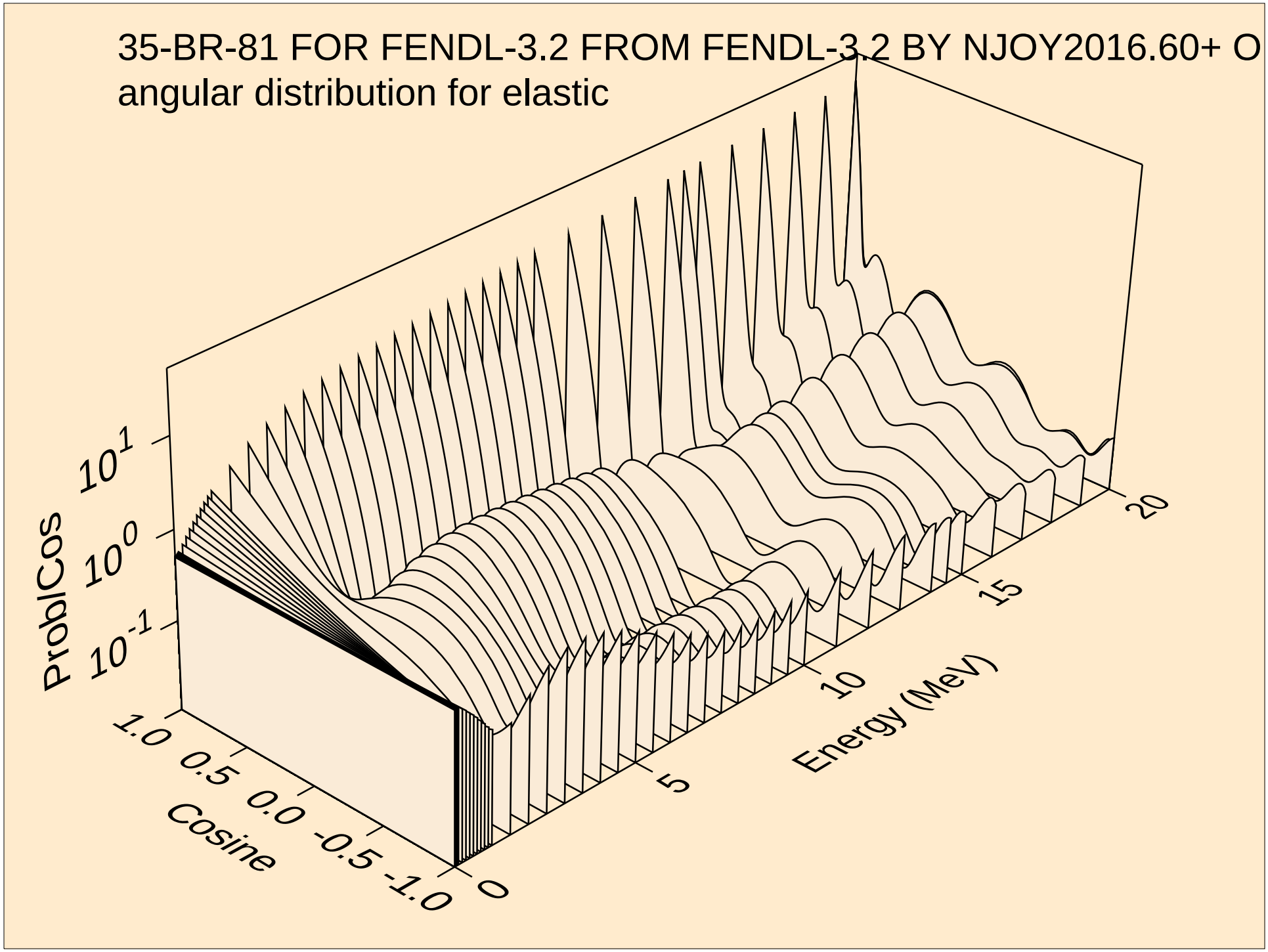

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Inelastic levels
*10-3
Cross section (barns)
Energy (MeV)
(n,n*36)
0
2
4
6
8
10
12
14
16
18
20

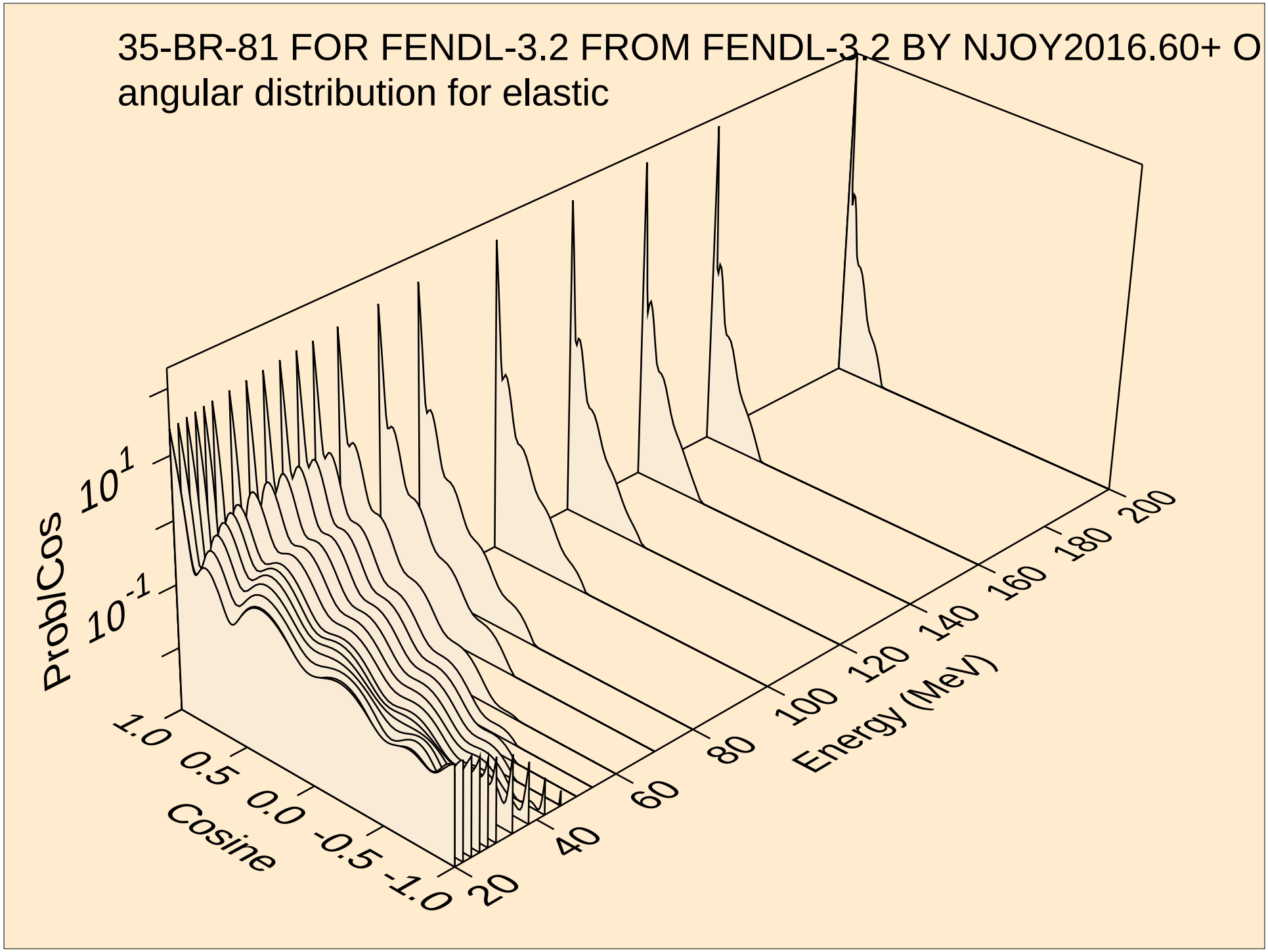

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Threshold reactions
(n,x)
(n,2n)
(n,3n)
(n,n*)a
(n,n*)p
Cross section (barns)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
20
40
60
80
100
120
140
160
180
200

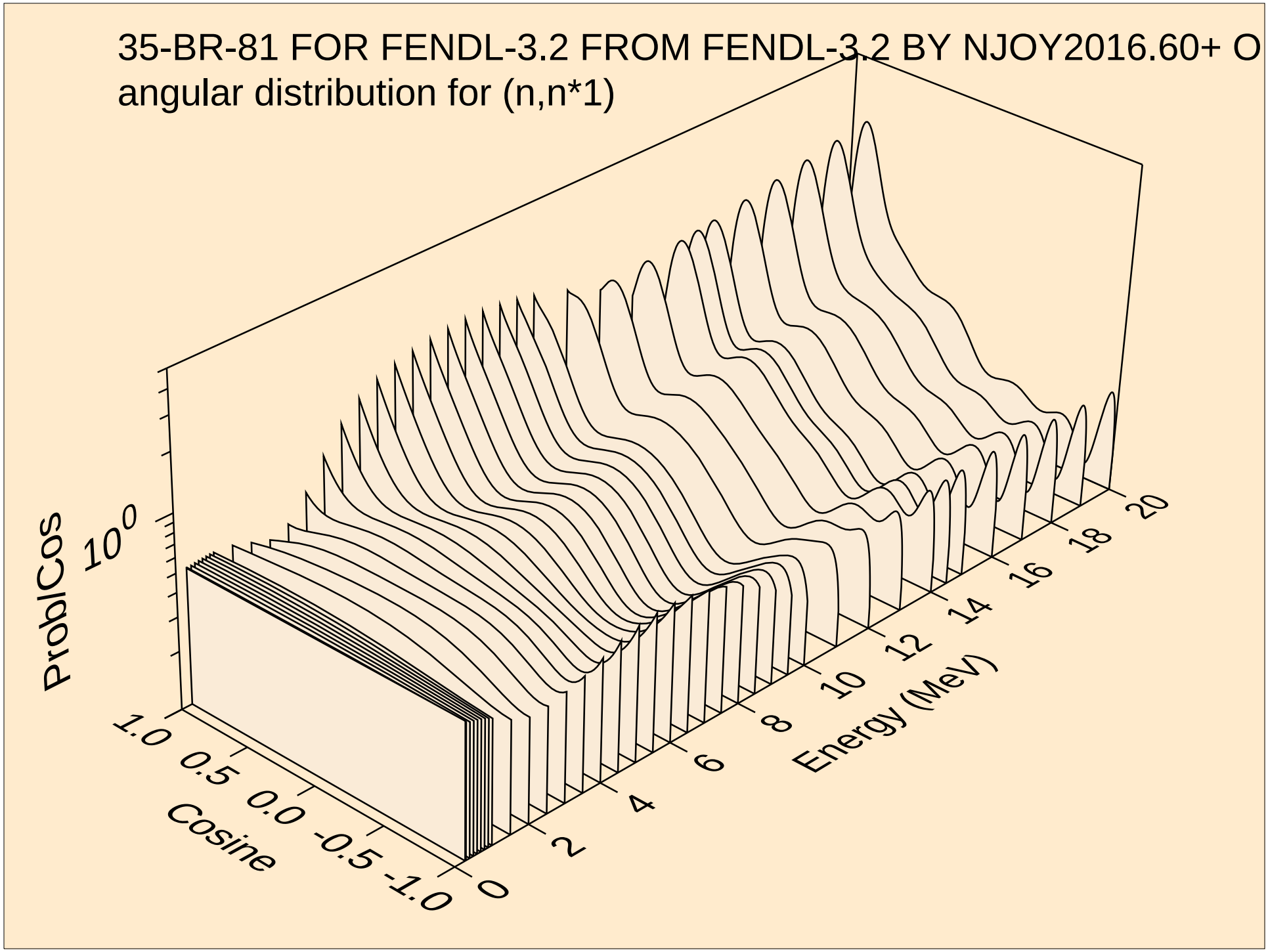

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Threshold reactions
(n,n*)d
(n,n*c)
(n,p)
(n,d)
(n,t)
Cross section (barns)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
0
2
4
6
8
10
12
14
16
18
20

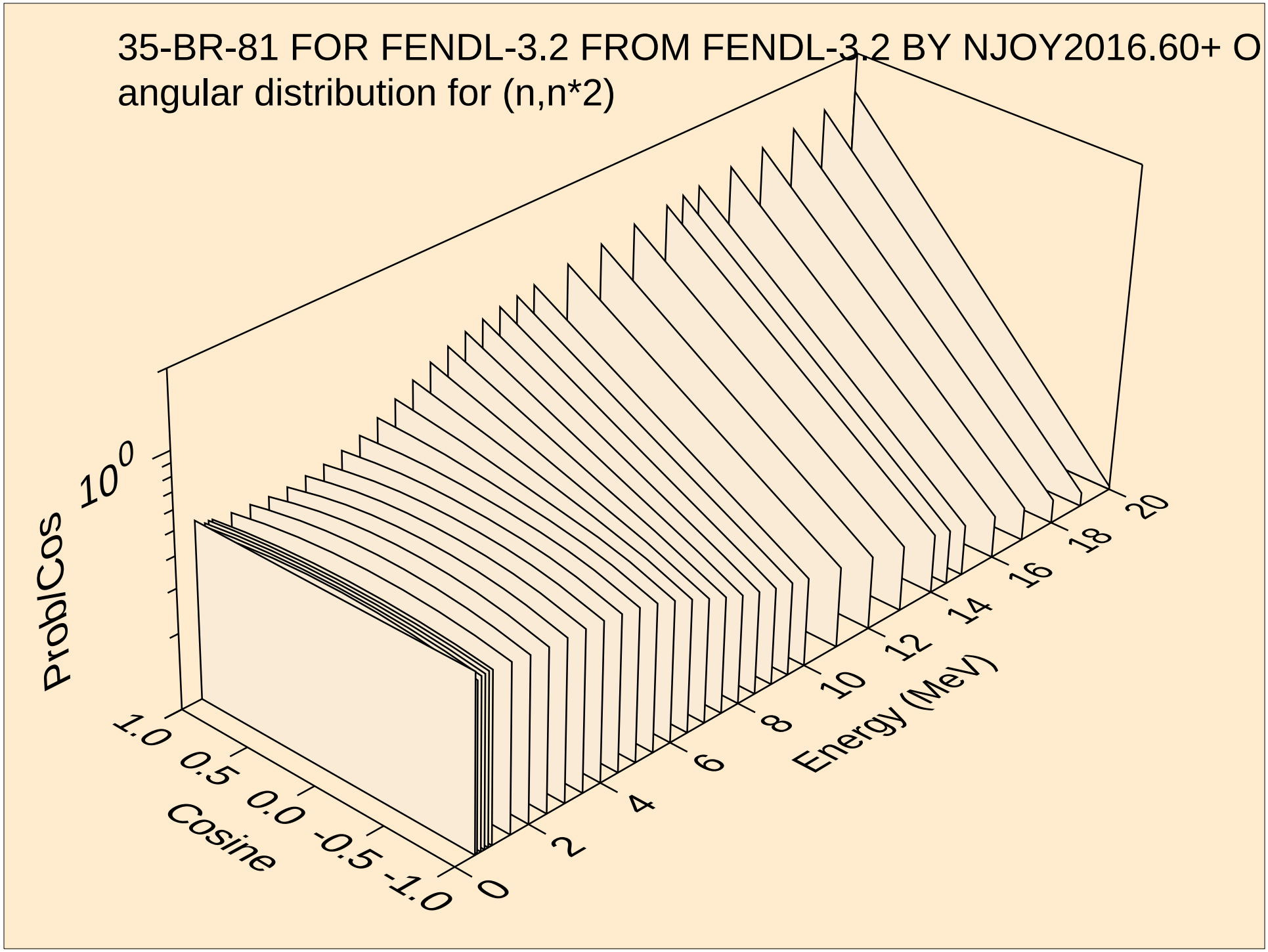

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Threshold reactions
*10-3
(n,he3)
(n,a)
Cross section (barns)
0
1
2
3
4
5
6
4
6
8
10
12
14
16
18
20
Energy (MeV)

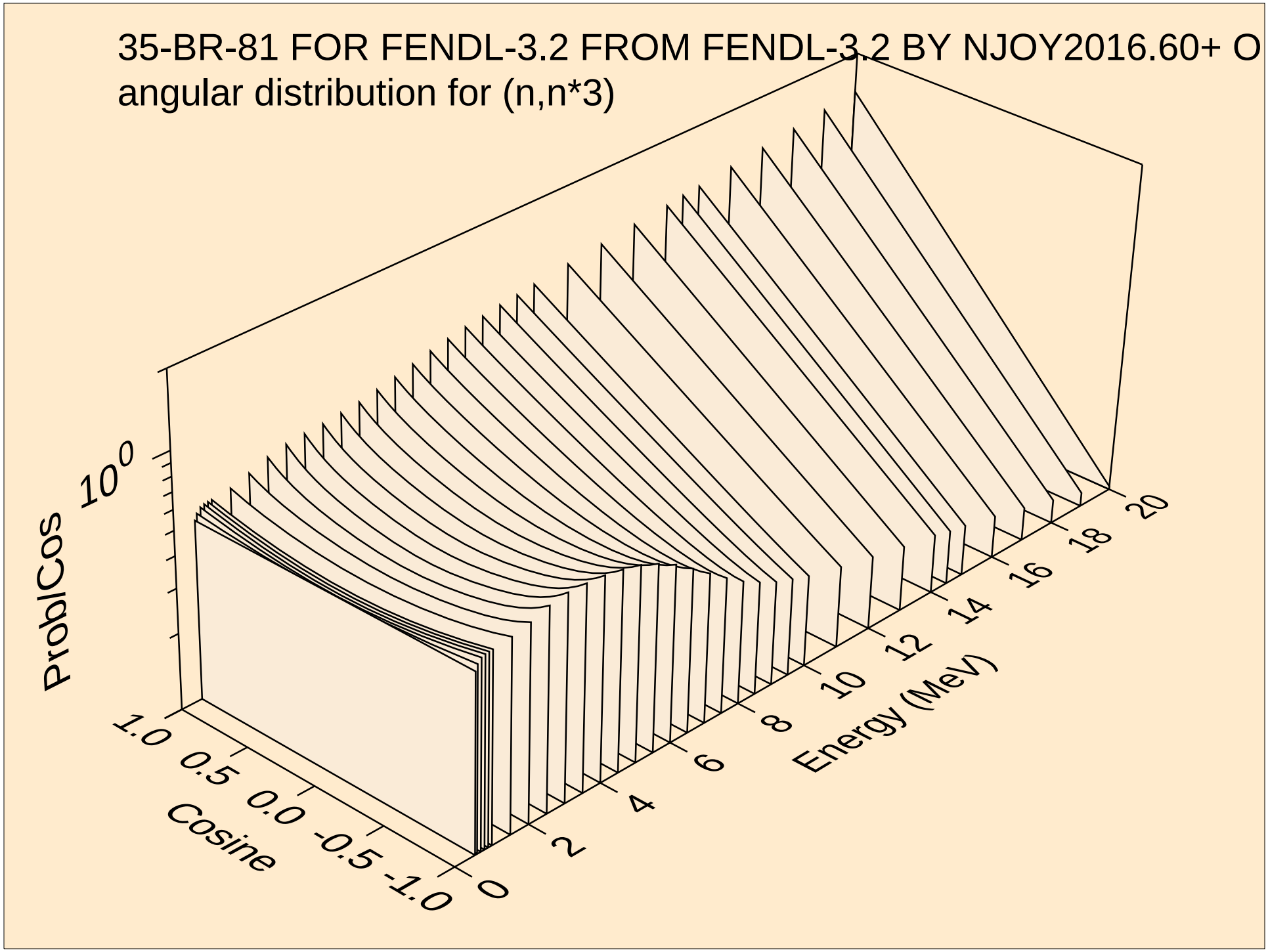

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Threshold reactions
(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
Cross section (barns)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

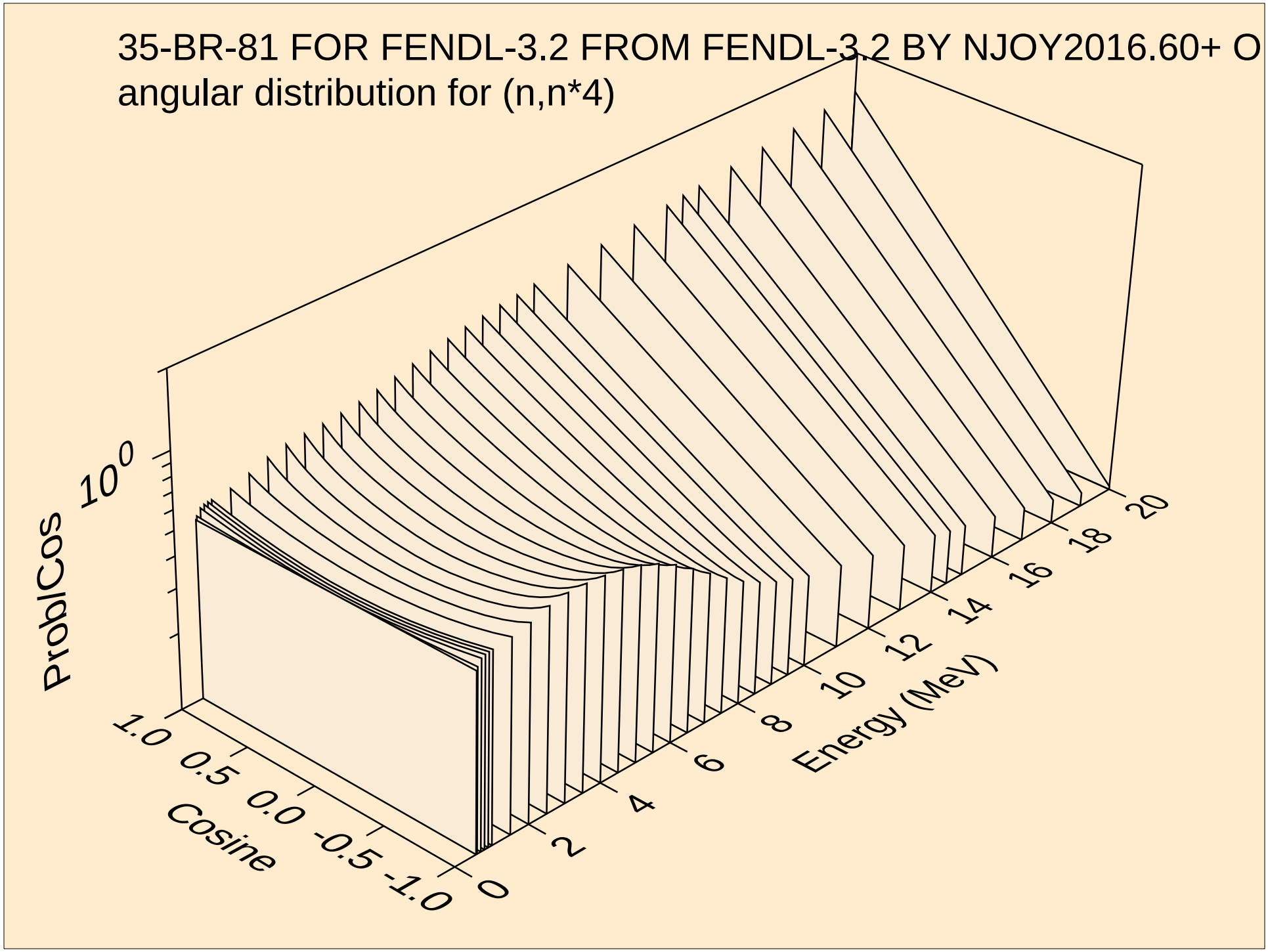

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for elastic
ProbICos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)

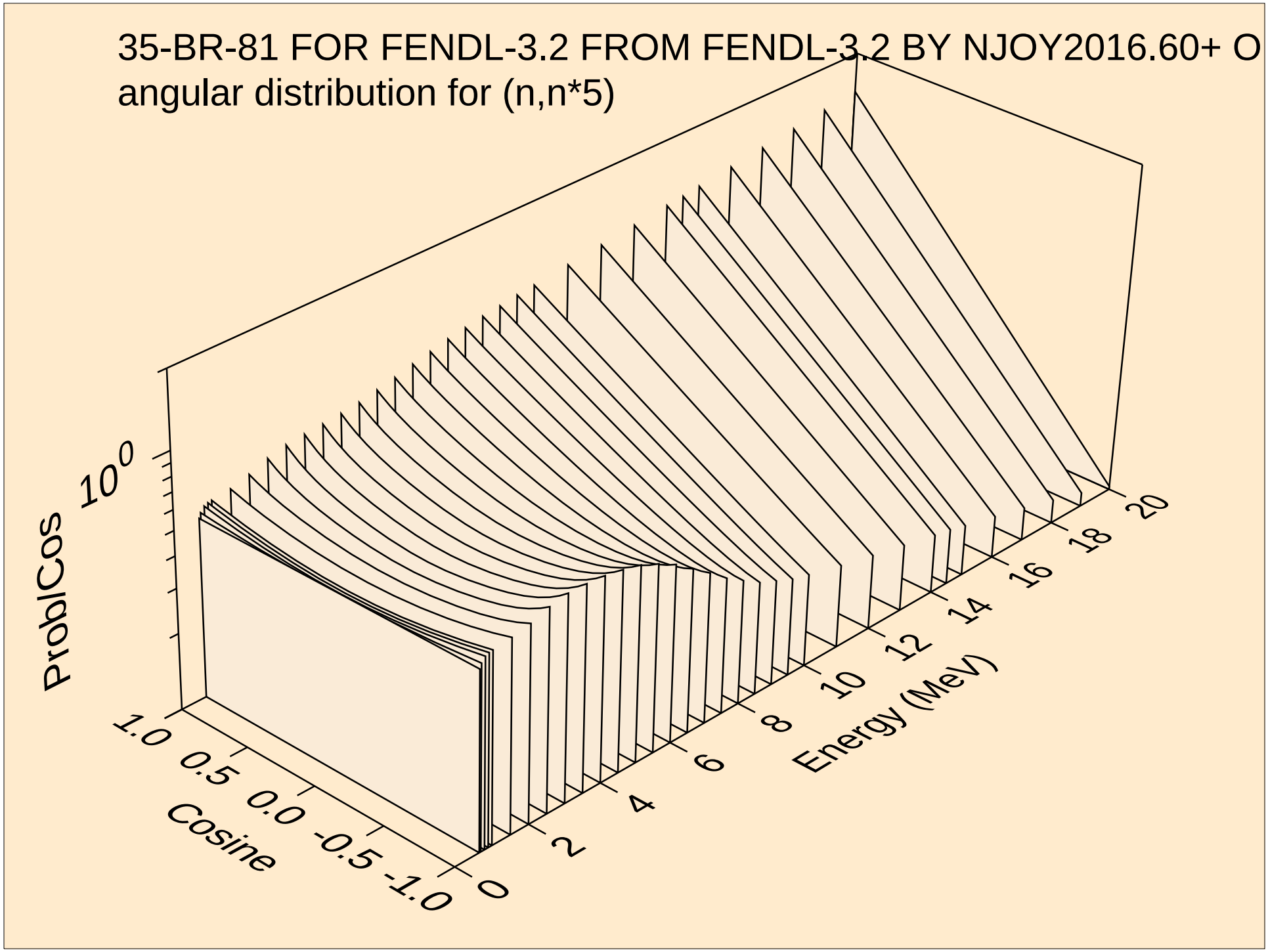

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for elastic
ProbICos
10^1
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

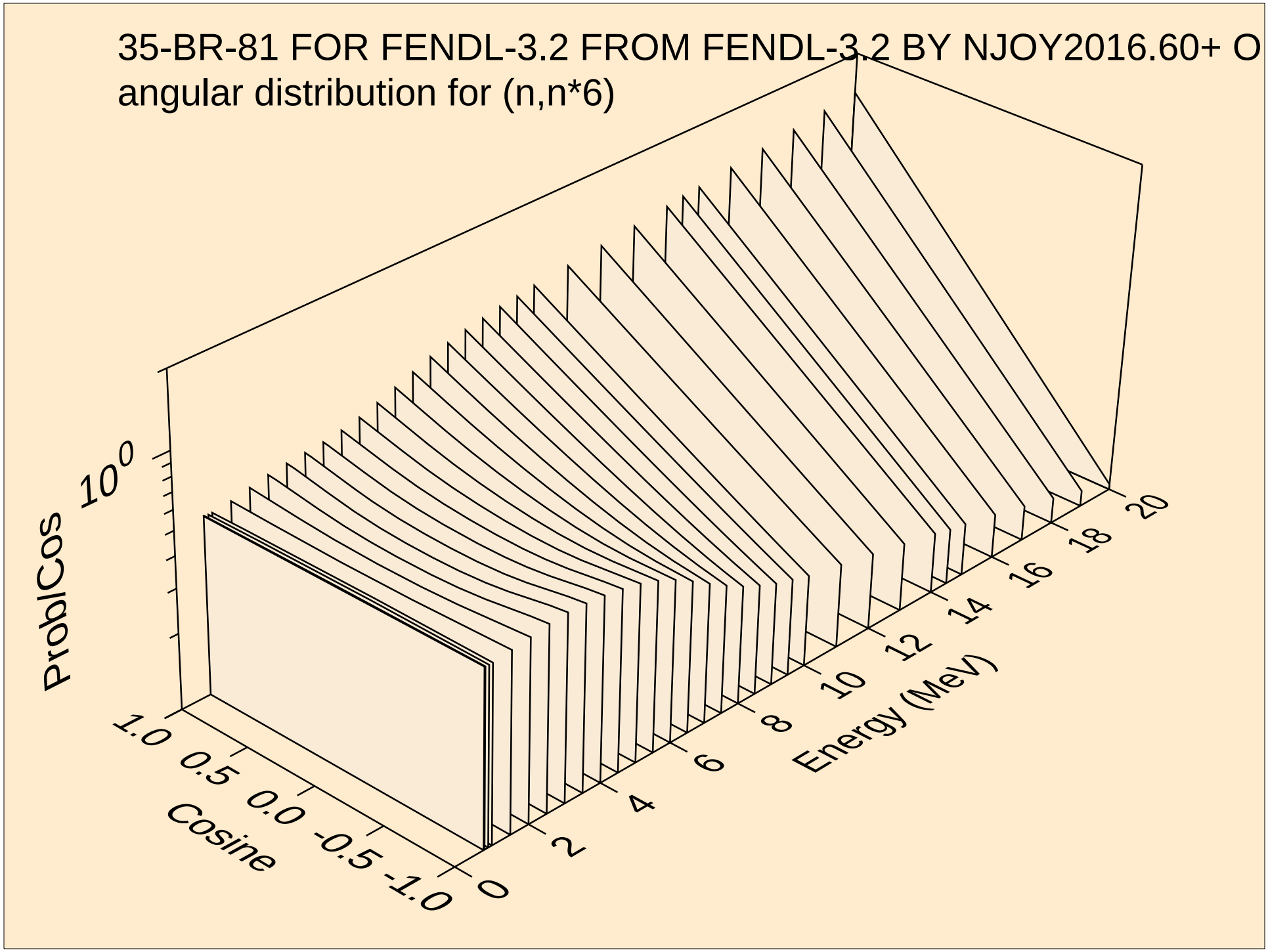

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*1)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

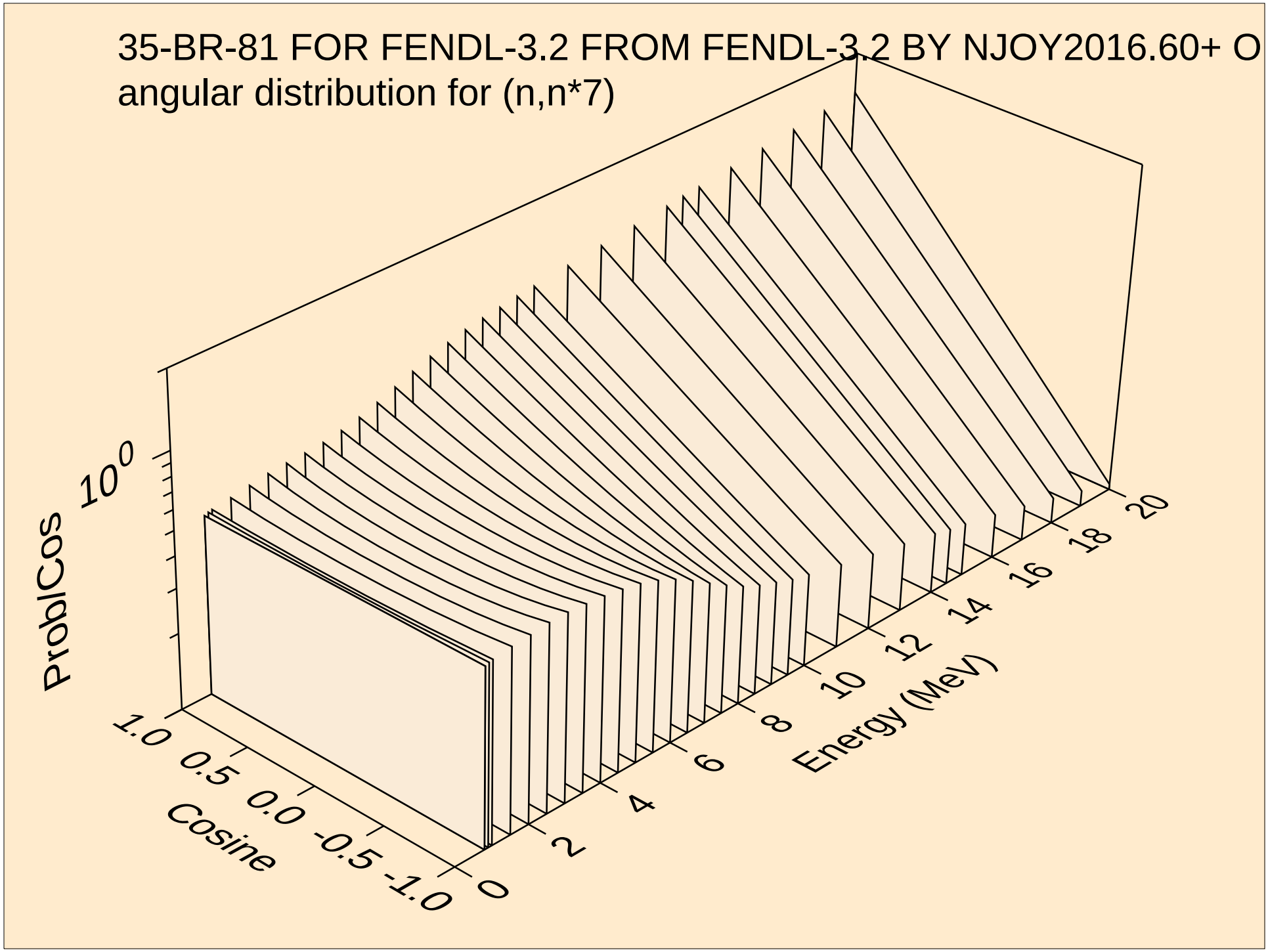

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*2)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

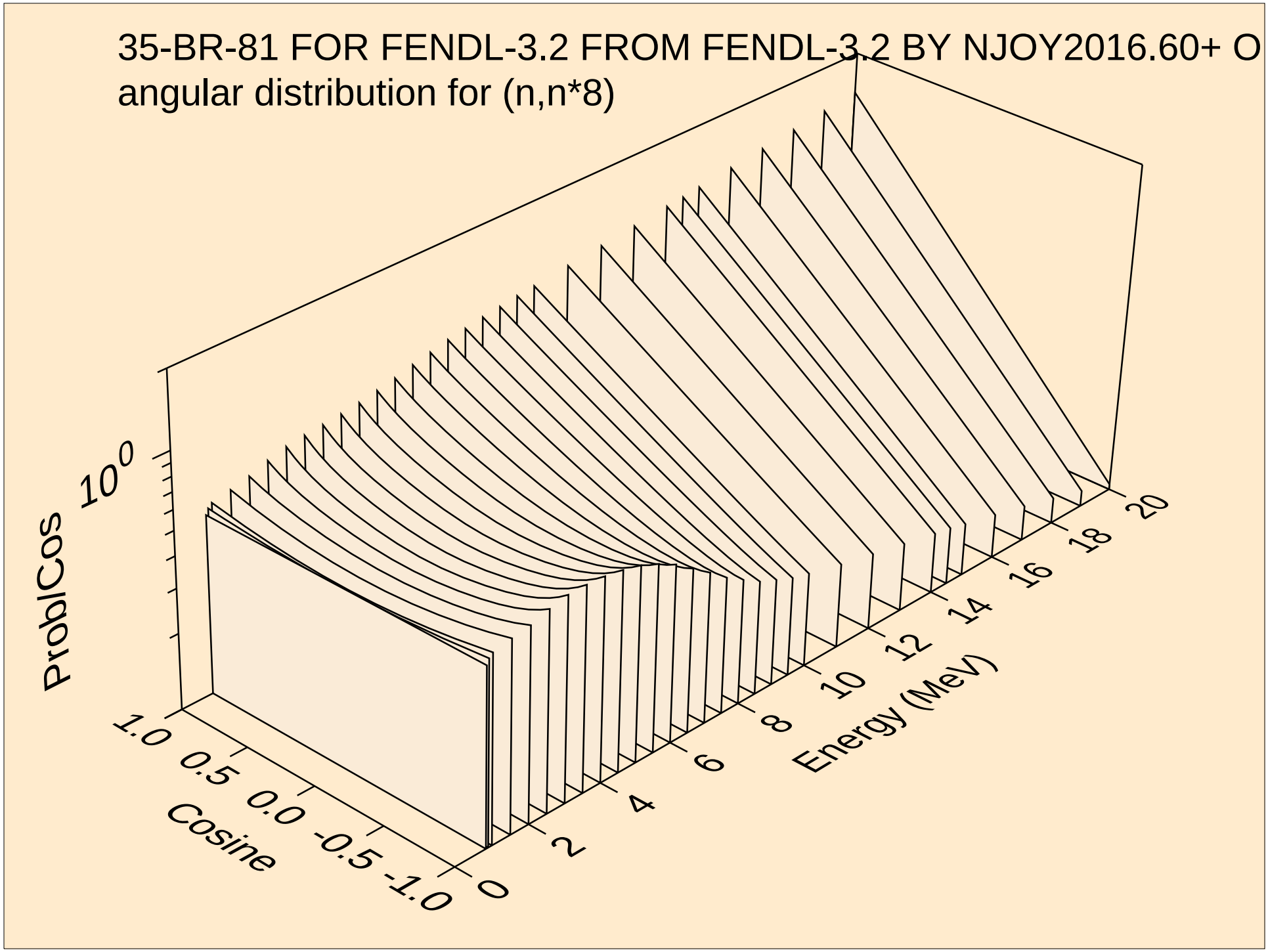

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*3)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

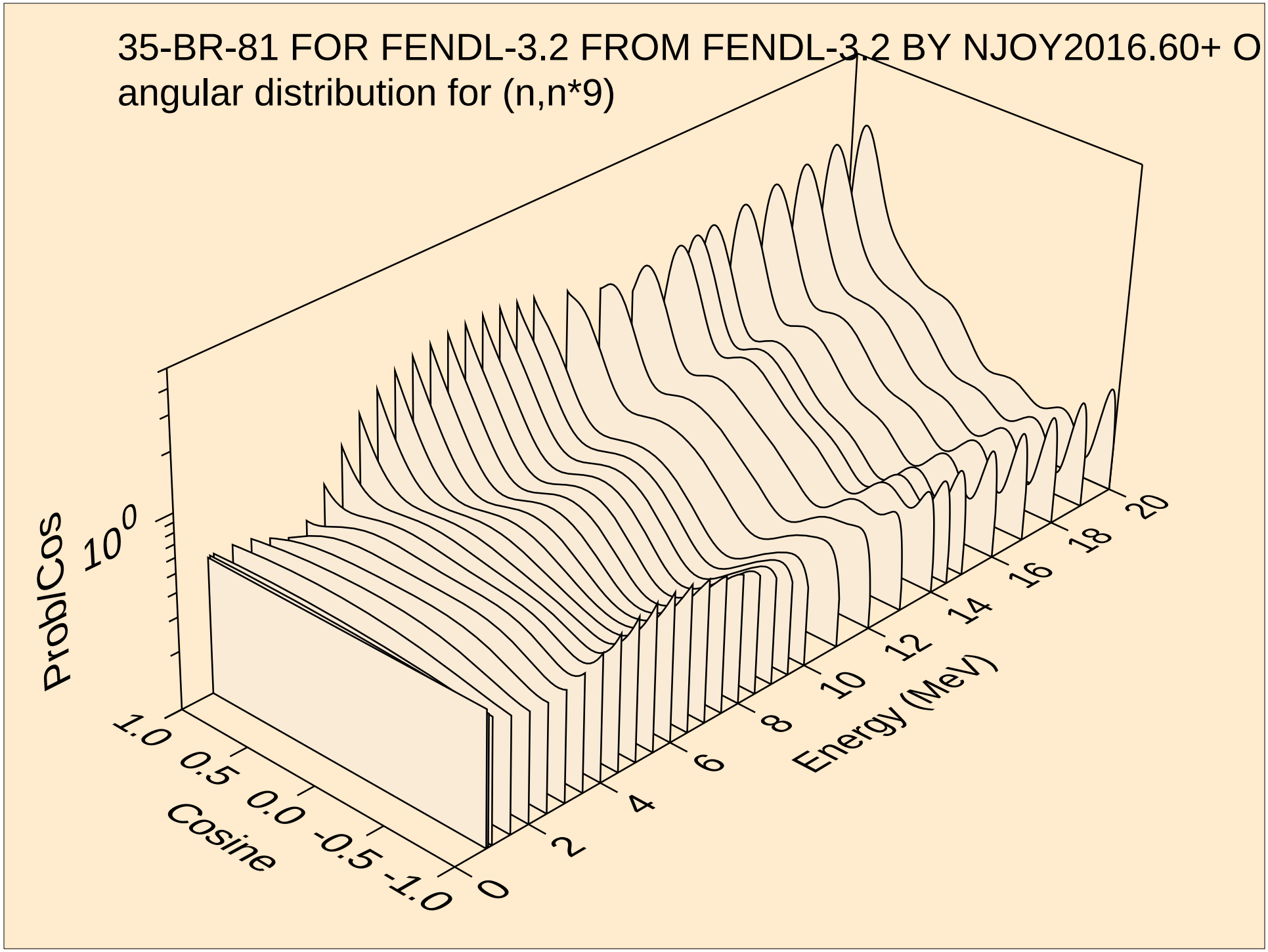

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*4)
ProblCos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

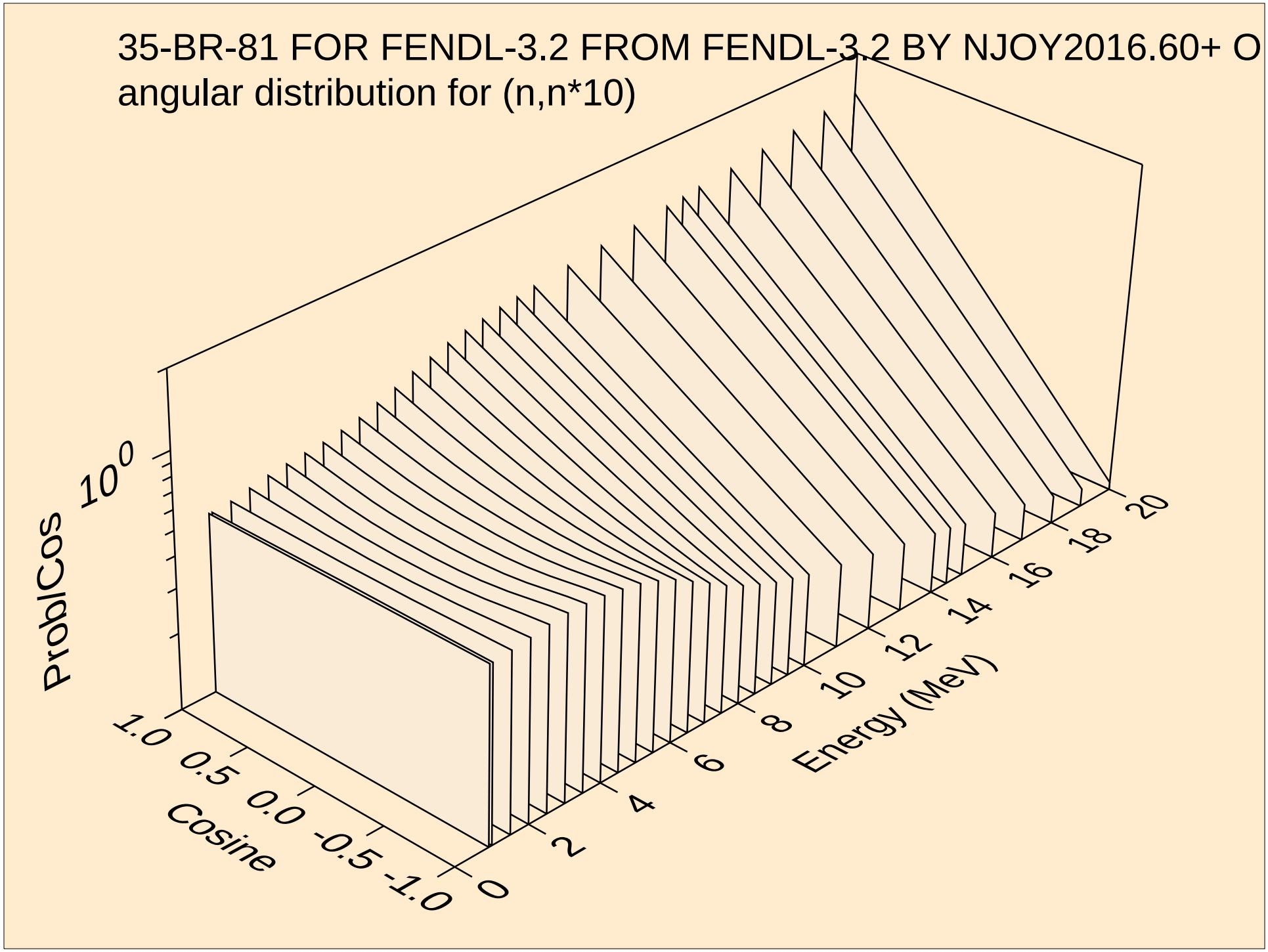

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*5)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

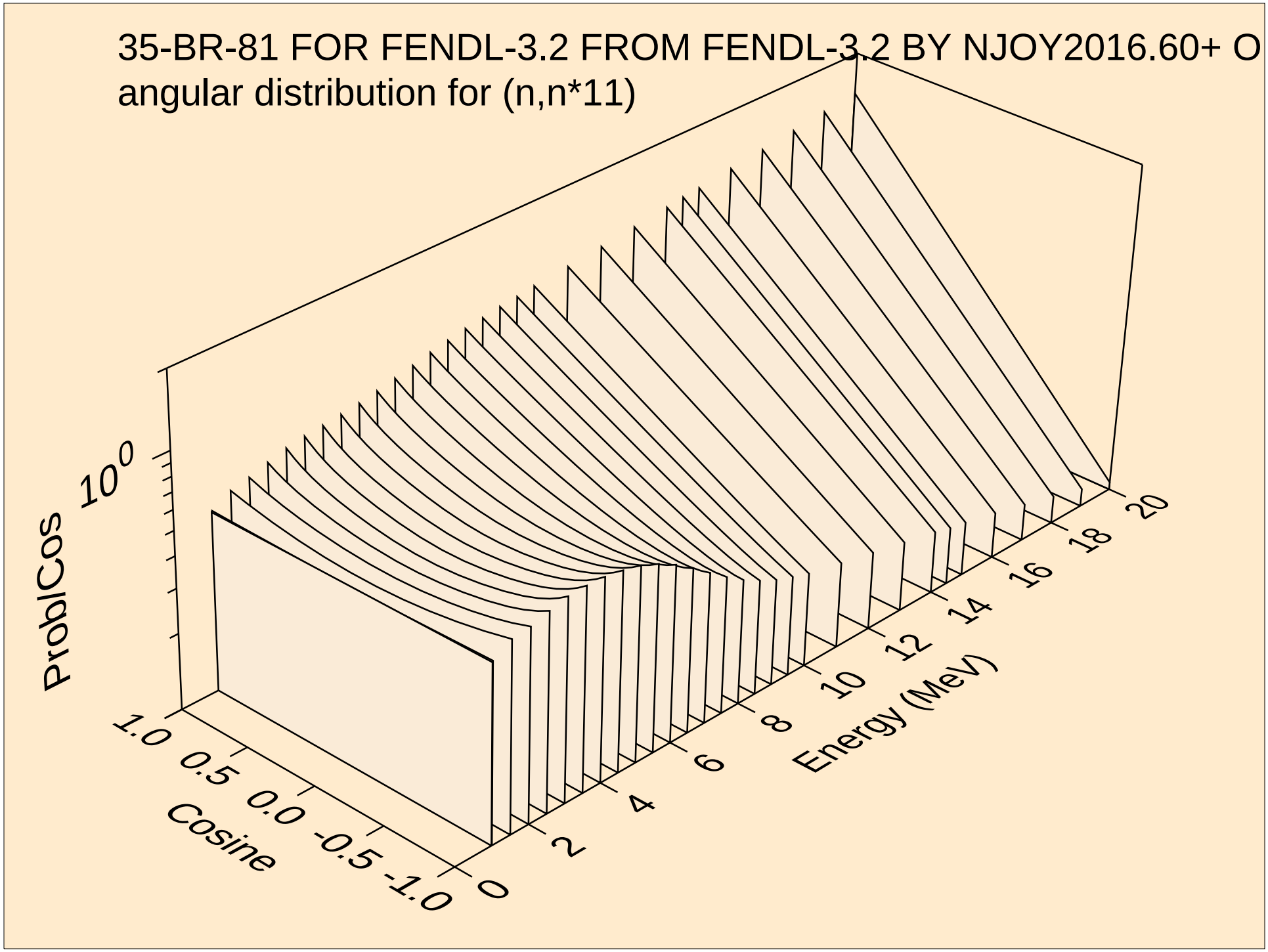

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*6)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

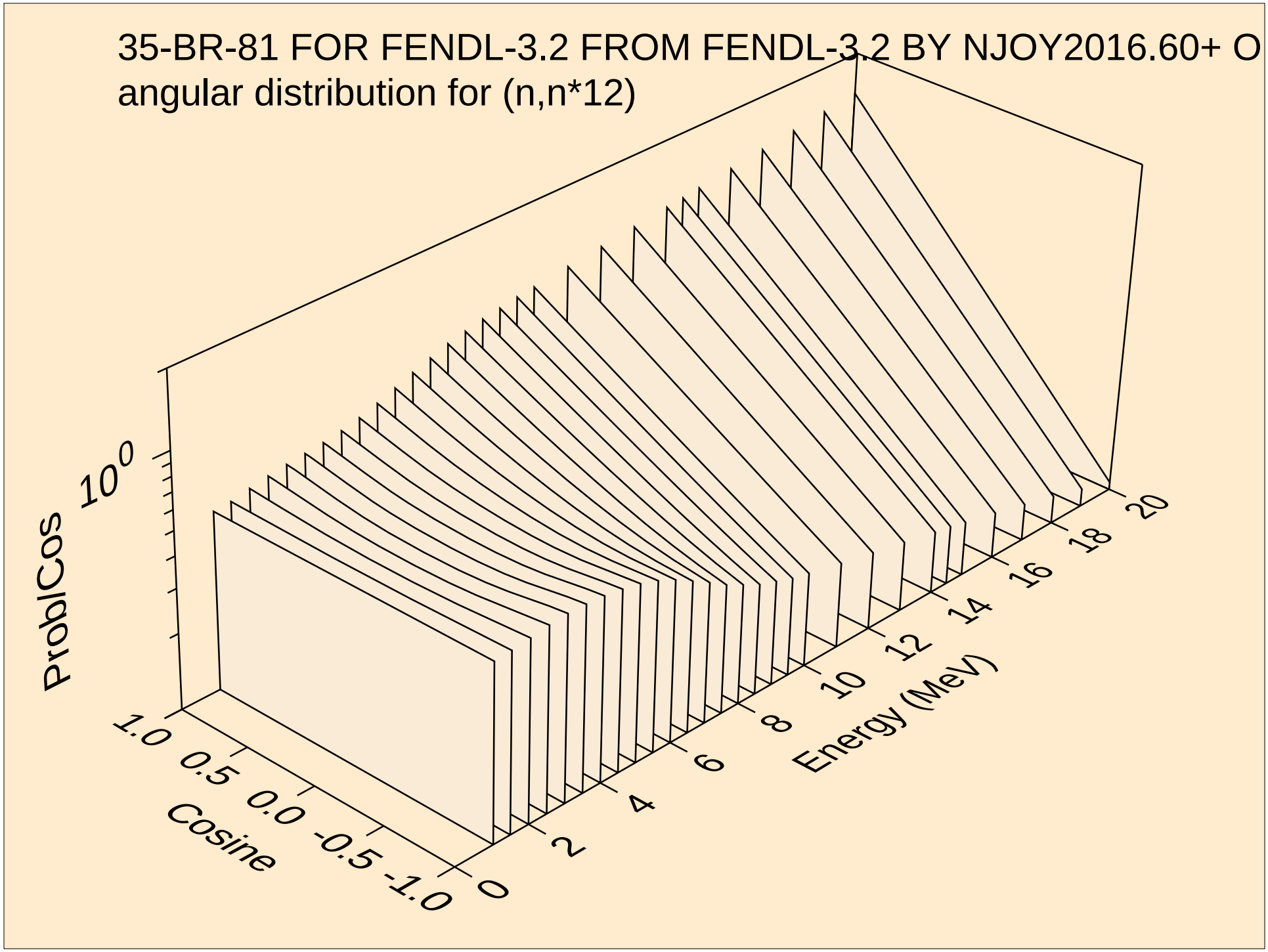

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*7)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

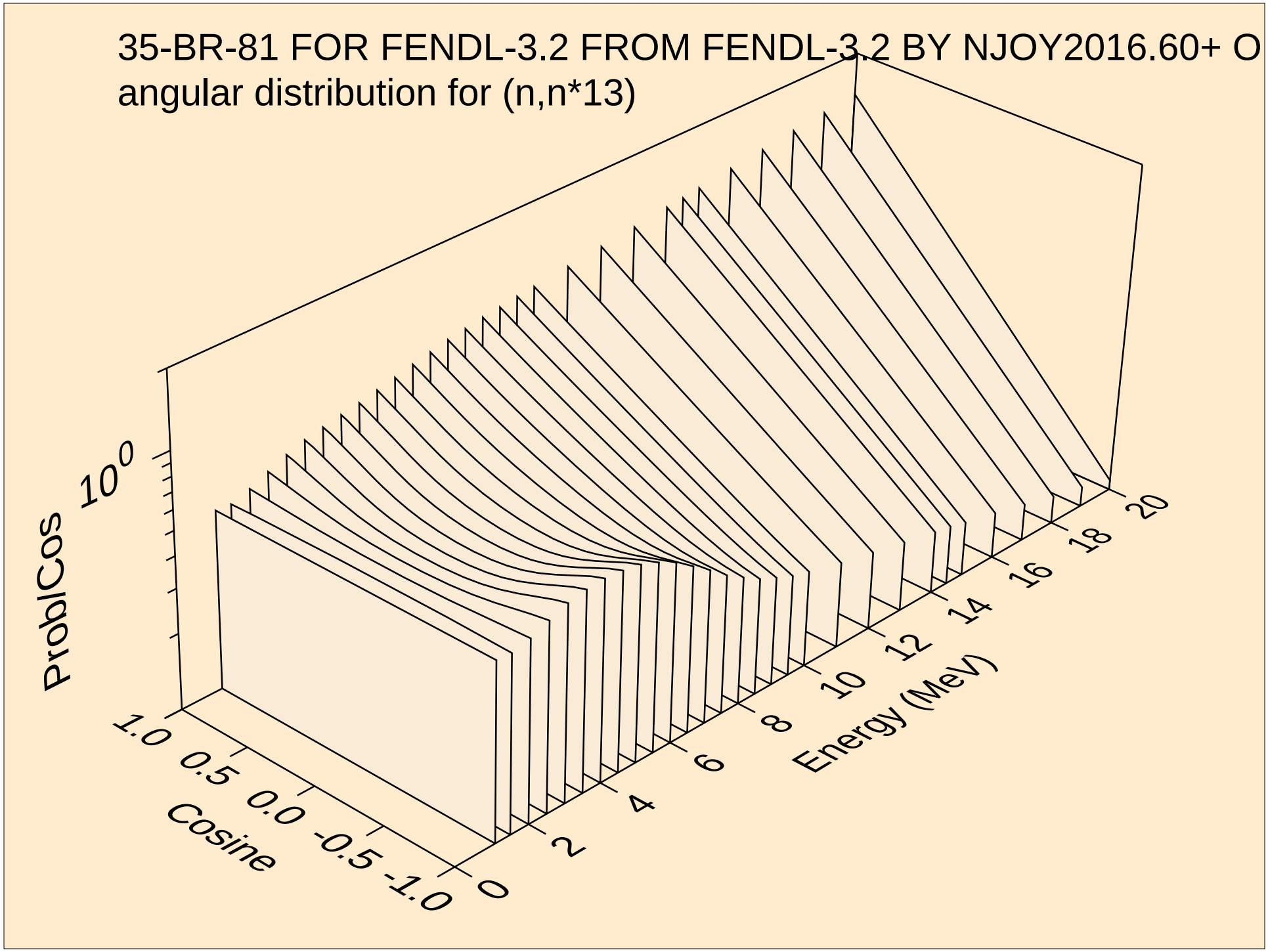

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*8)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

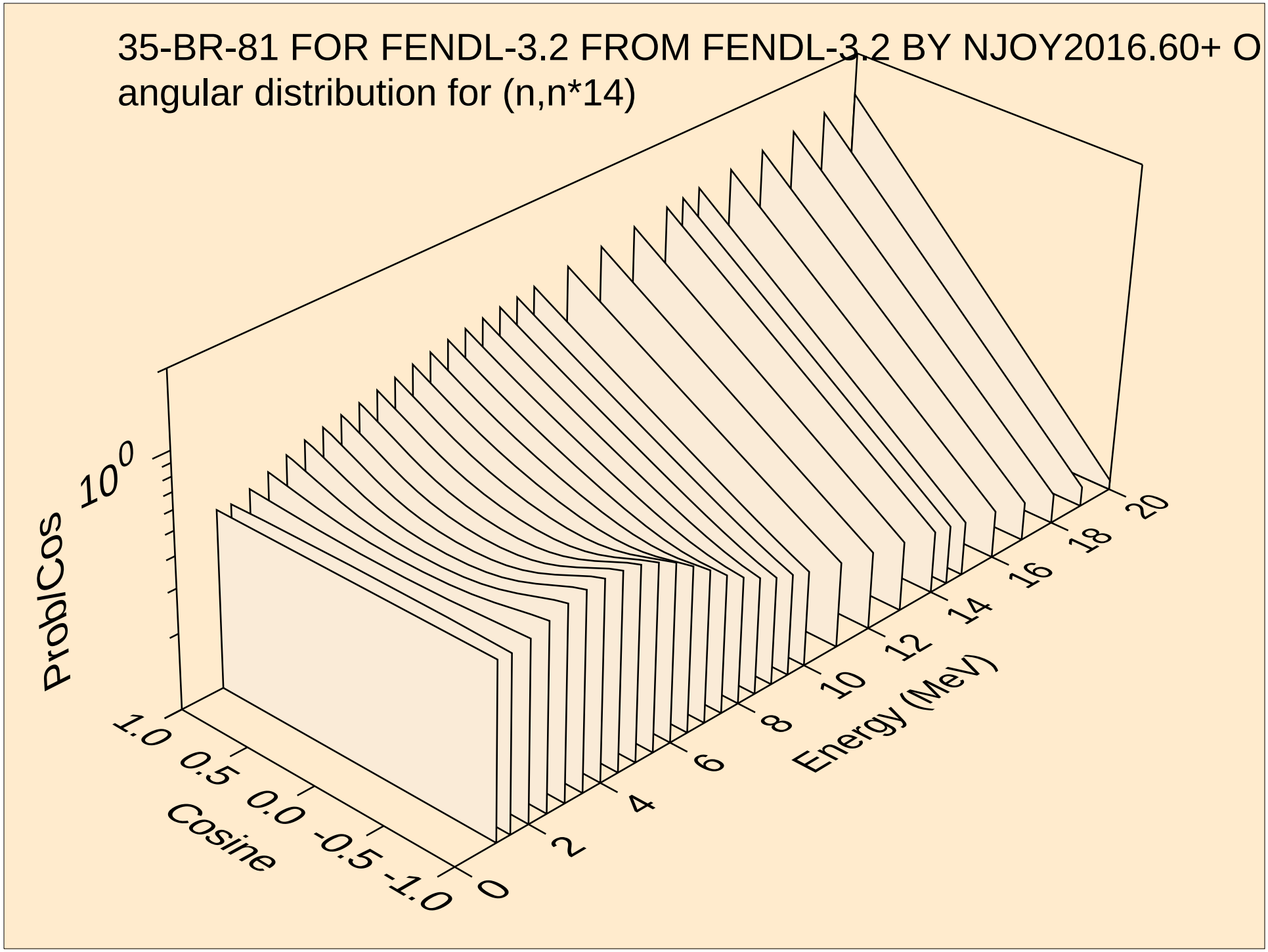

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*9)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

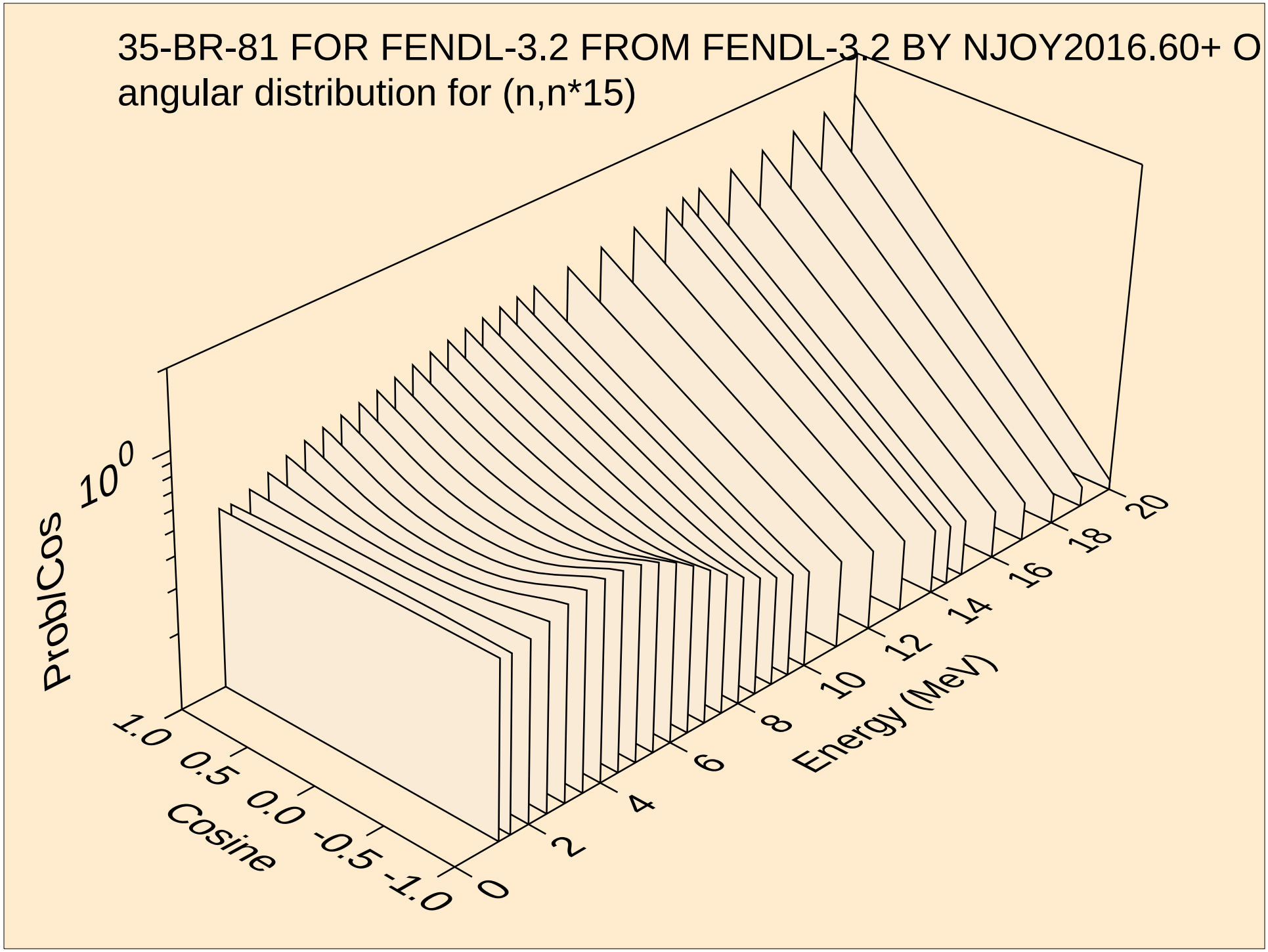

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*10)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

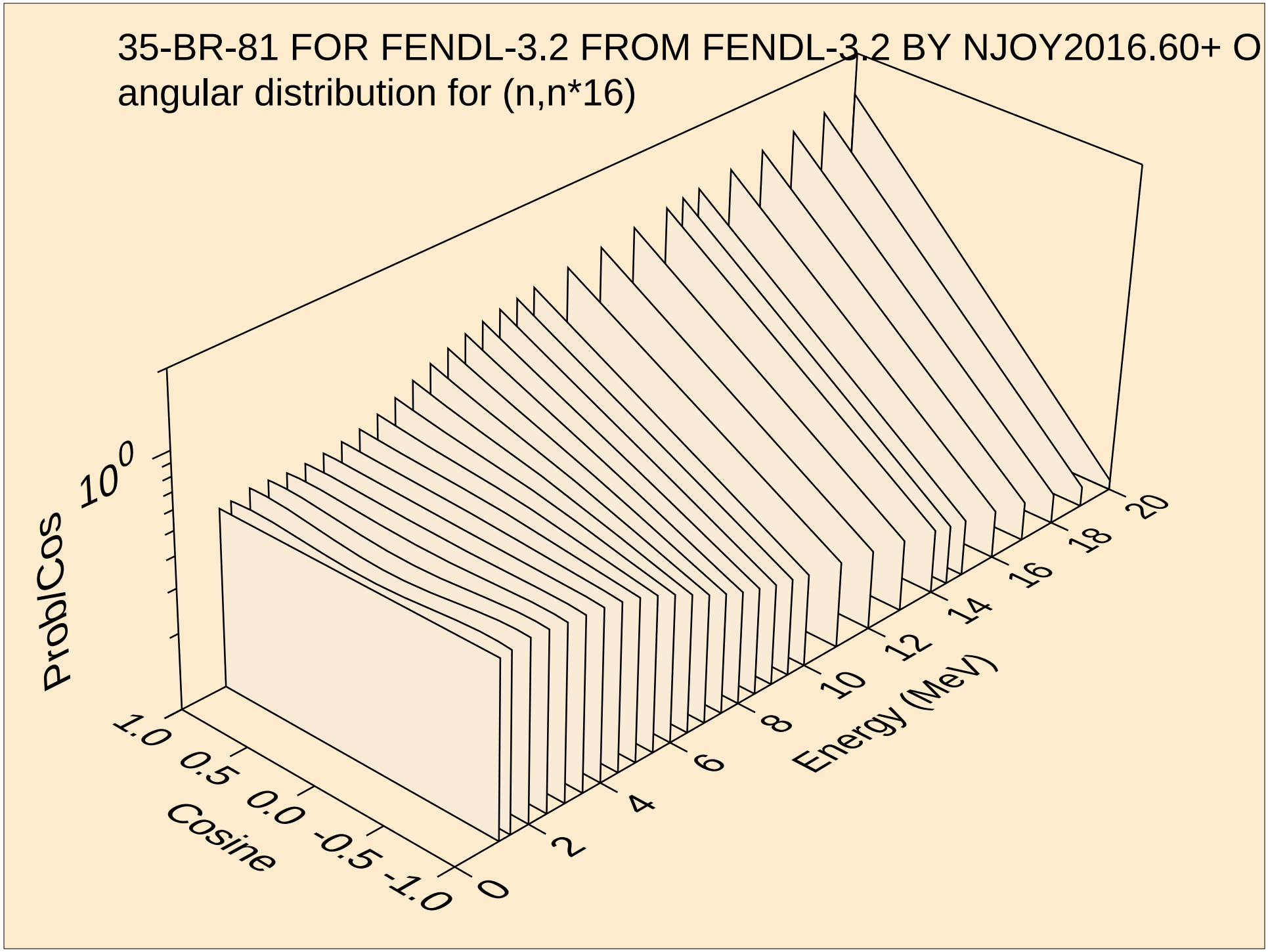

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*11)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

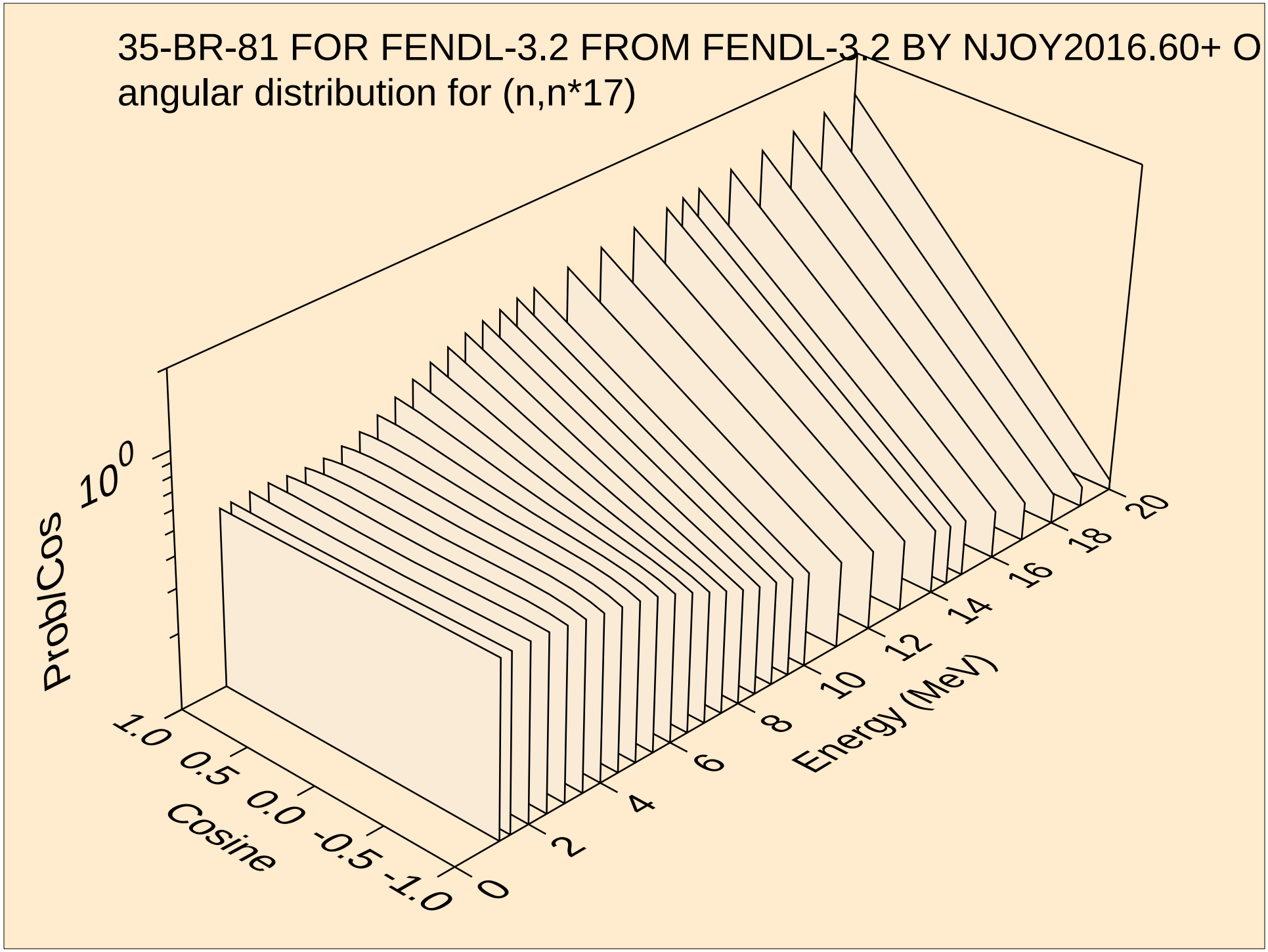

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*12)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

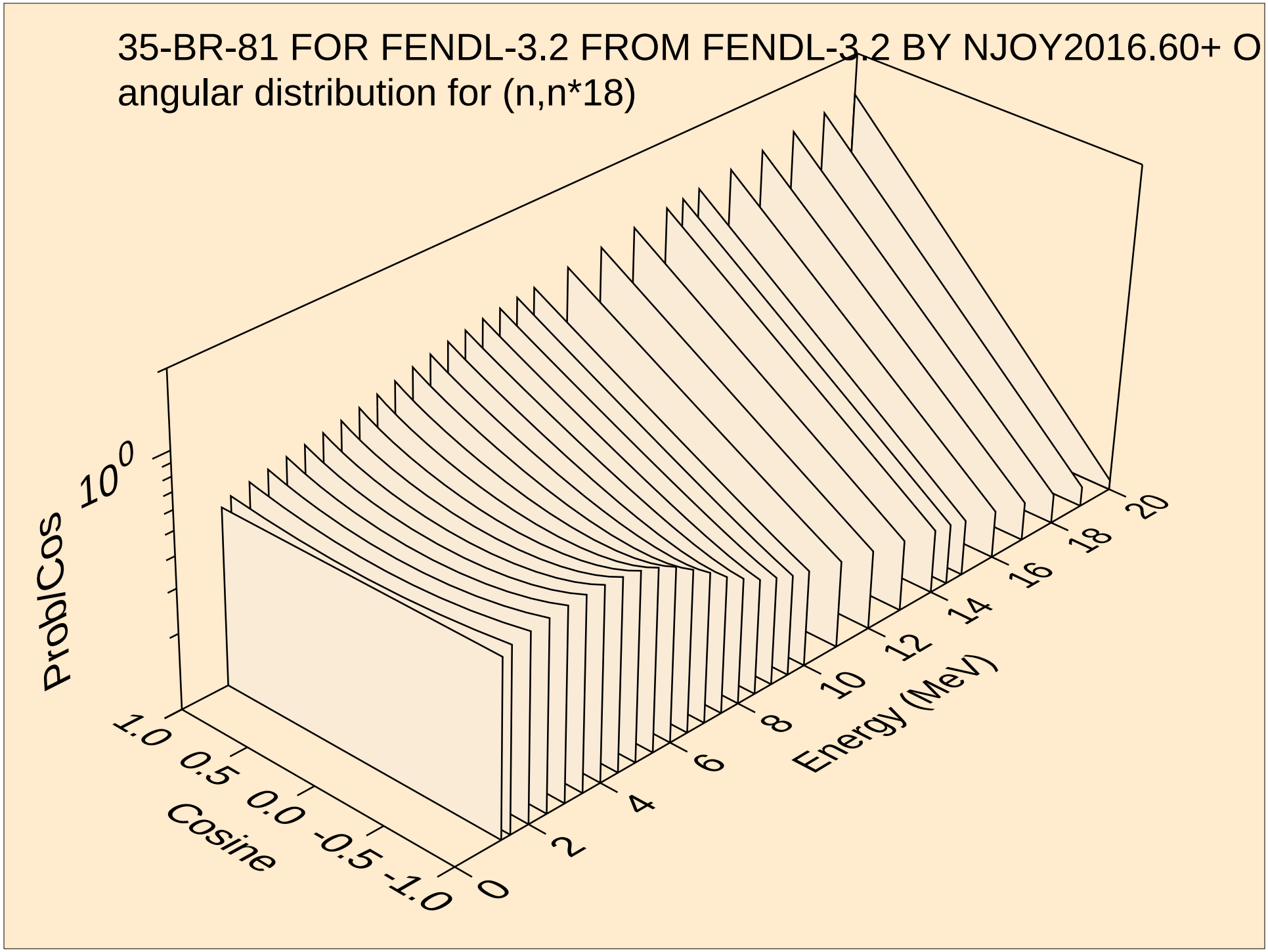

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*13)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

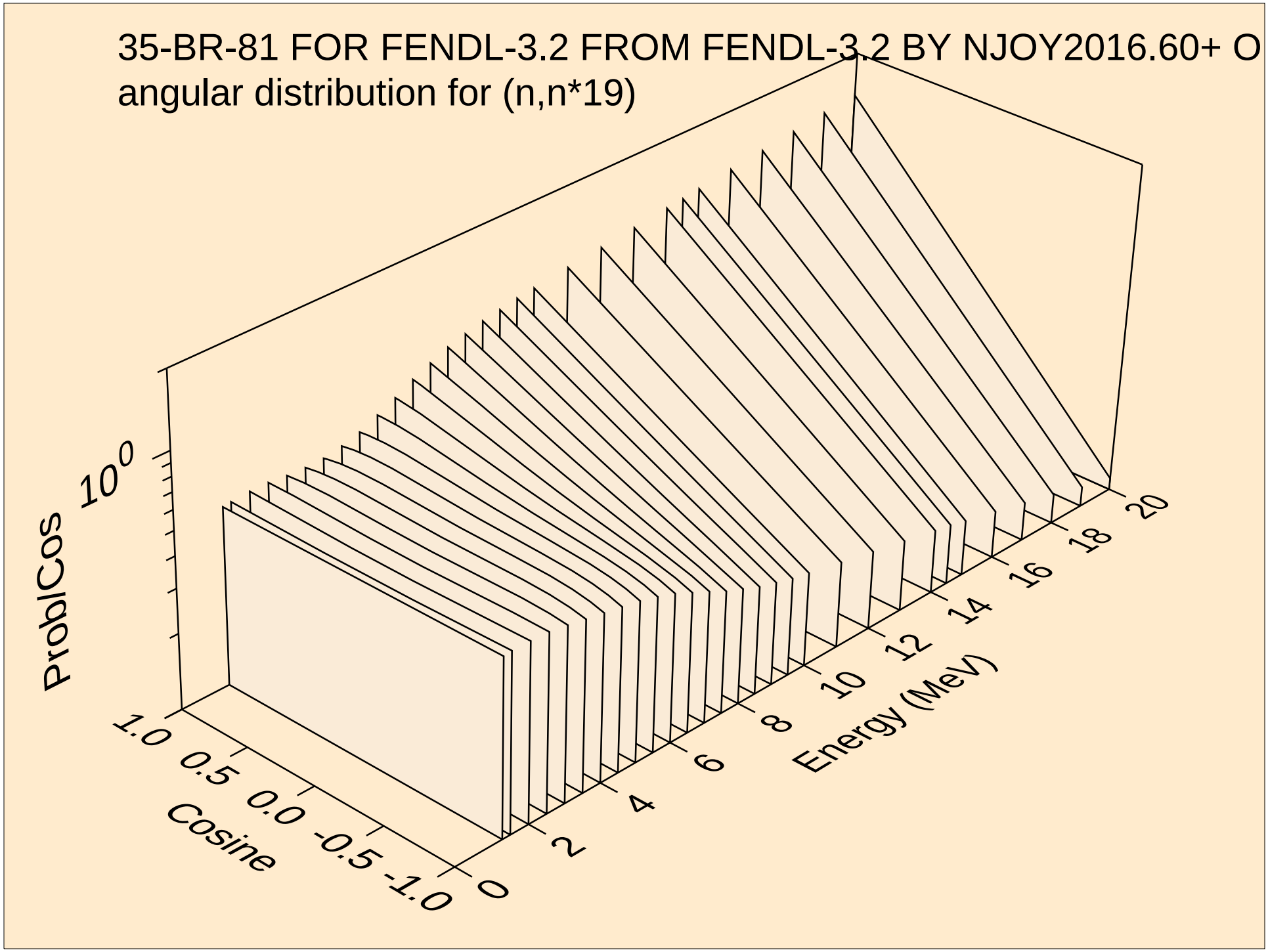

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*14)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

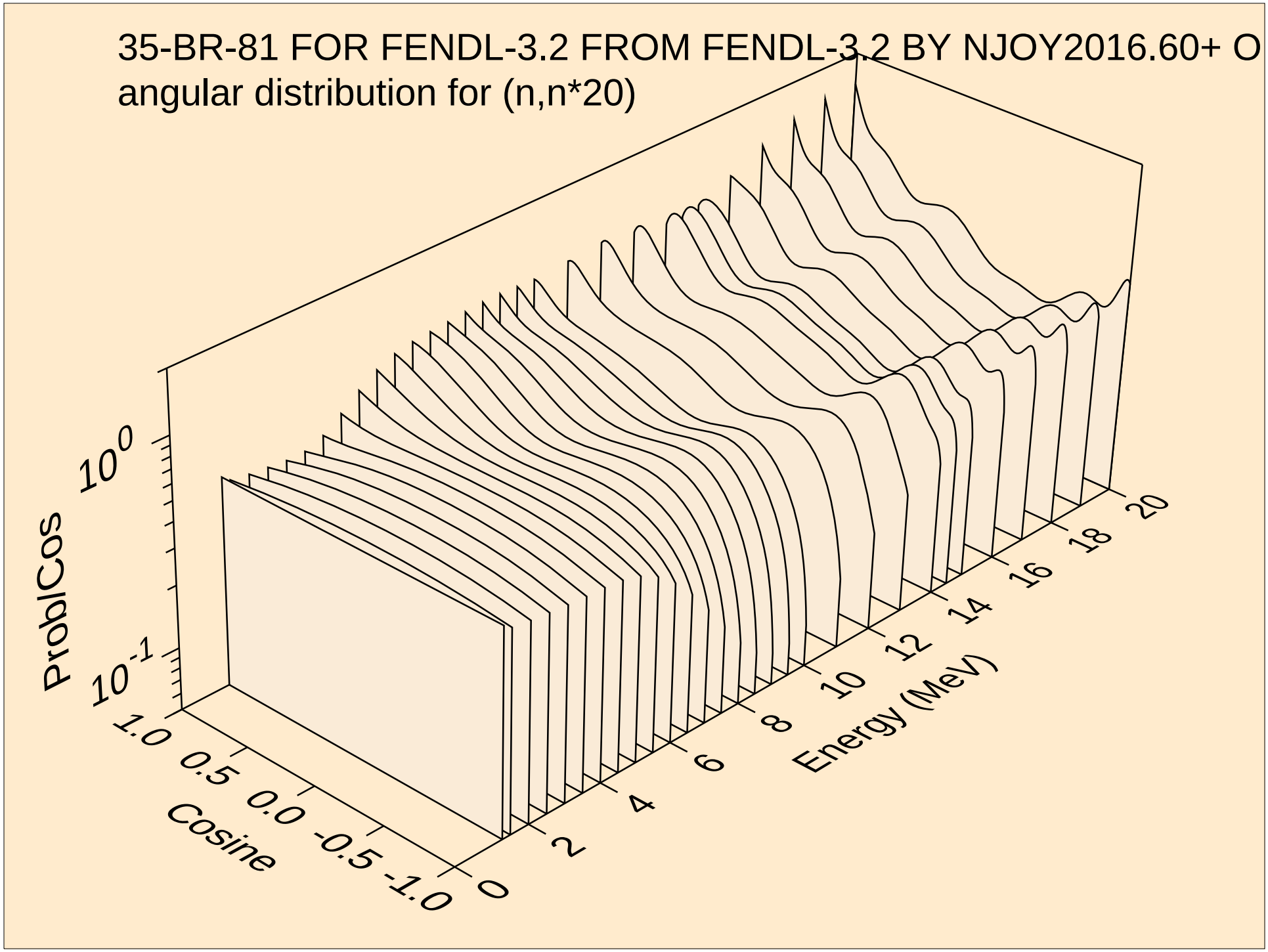

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*15)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

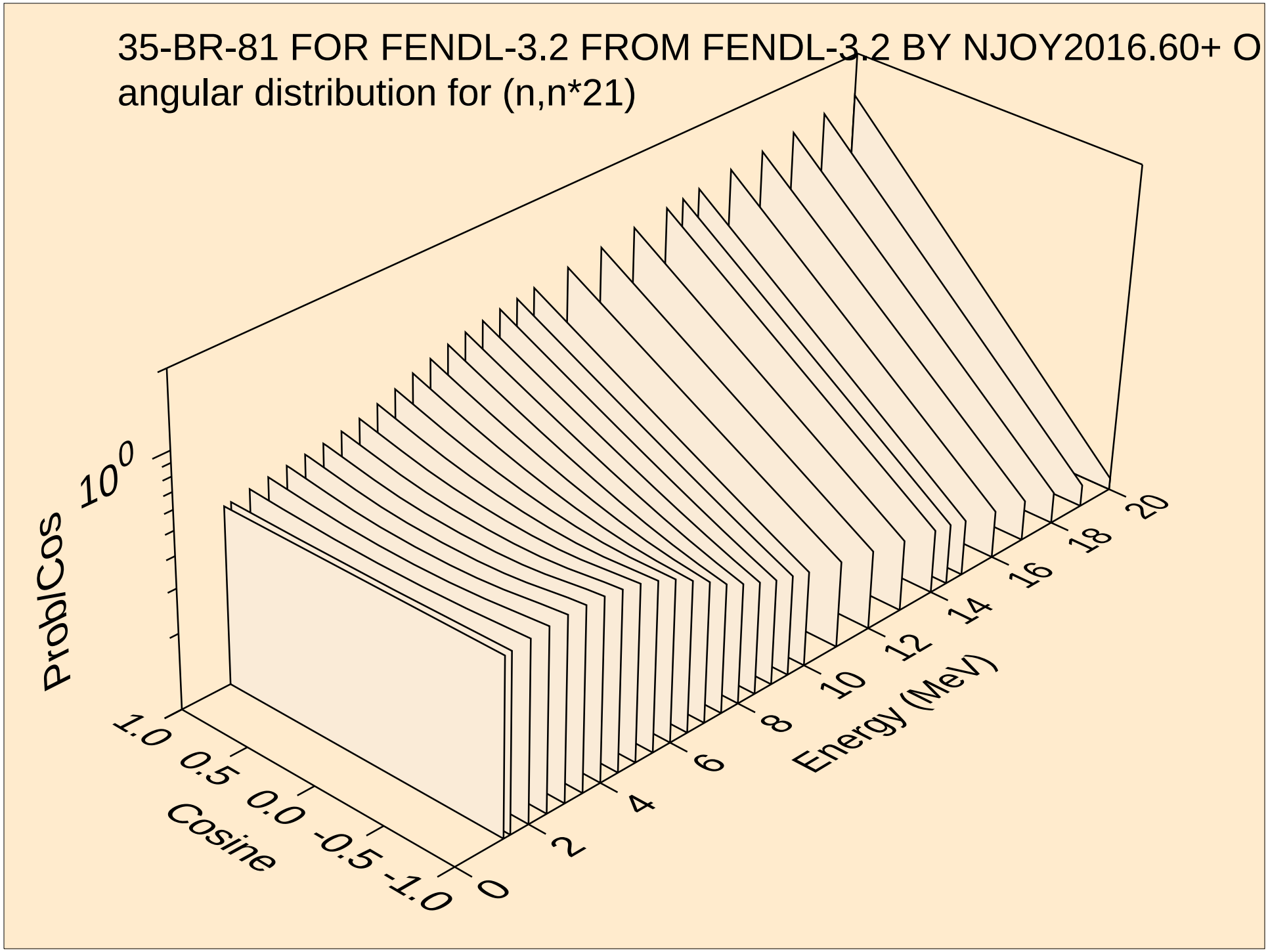

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*16)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

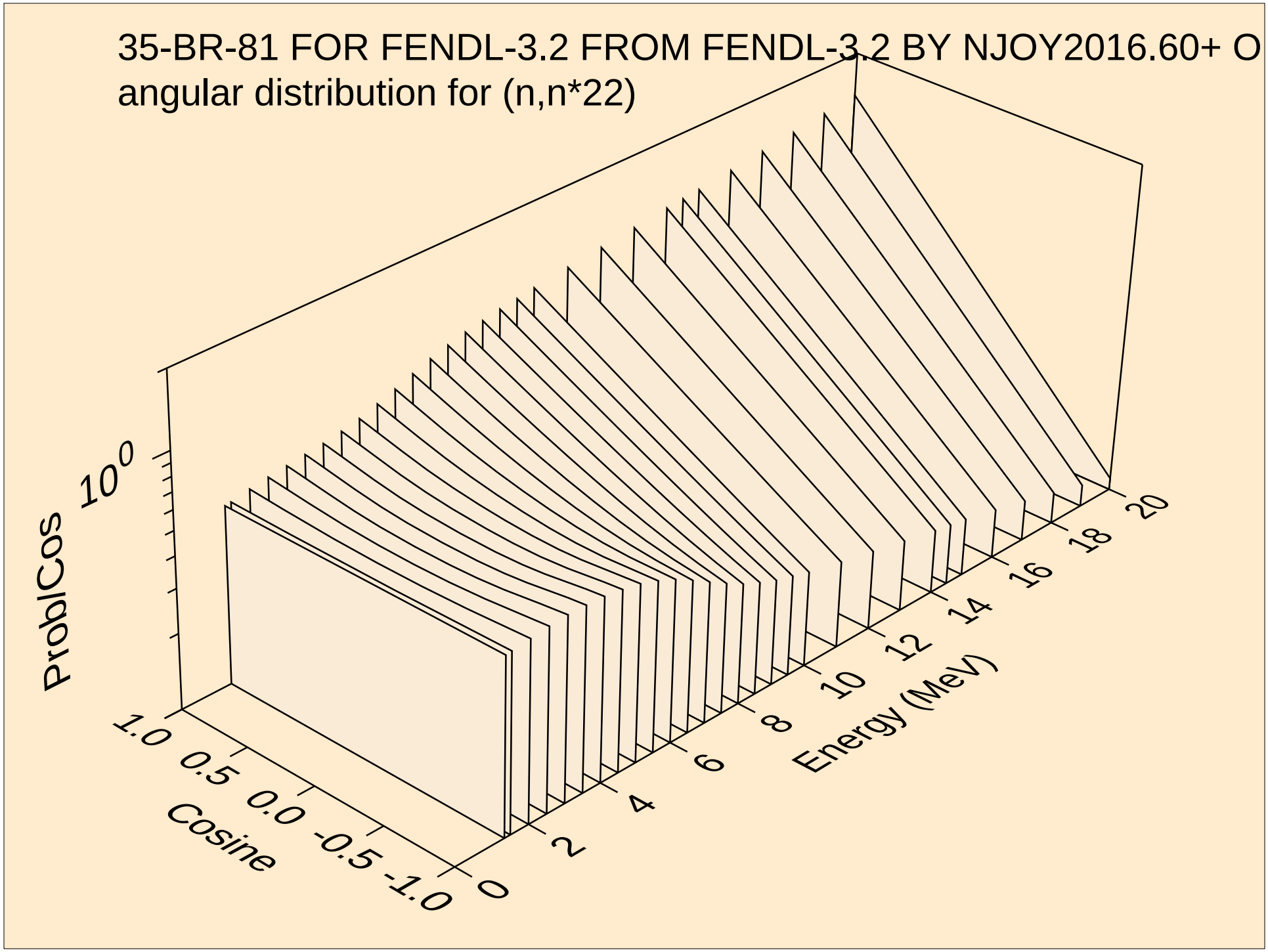

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*17)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

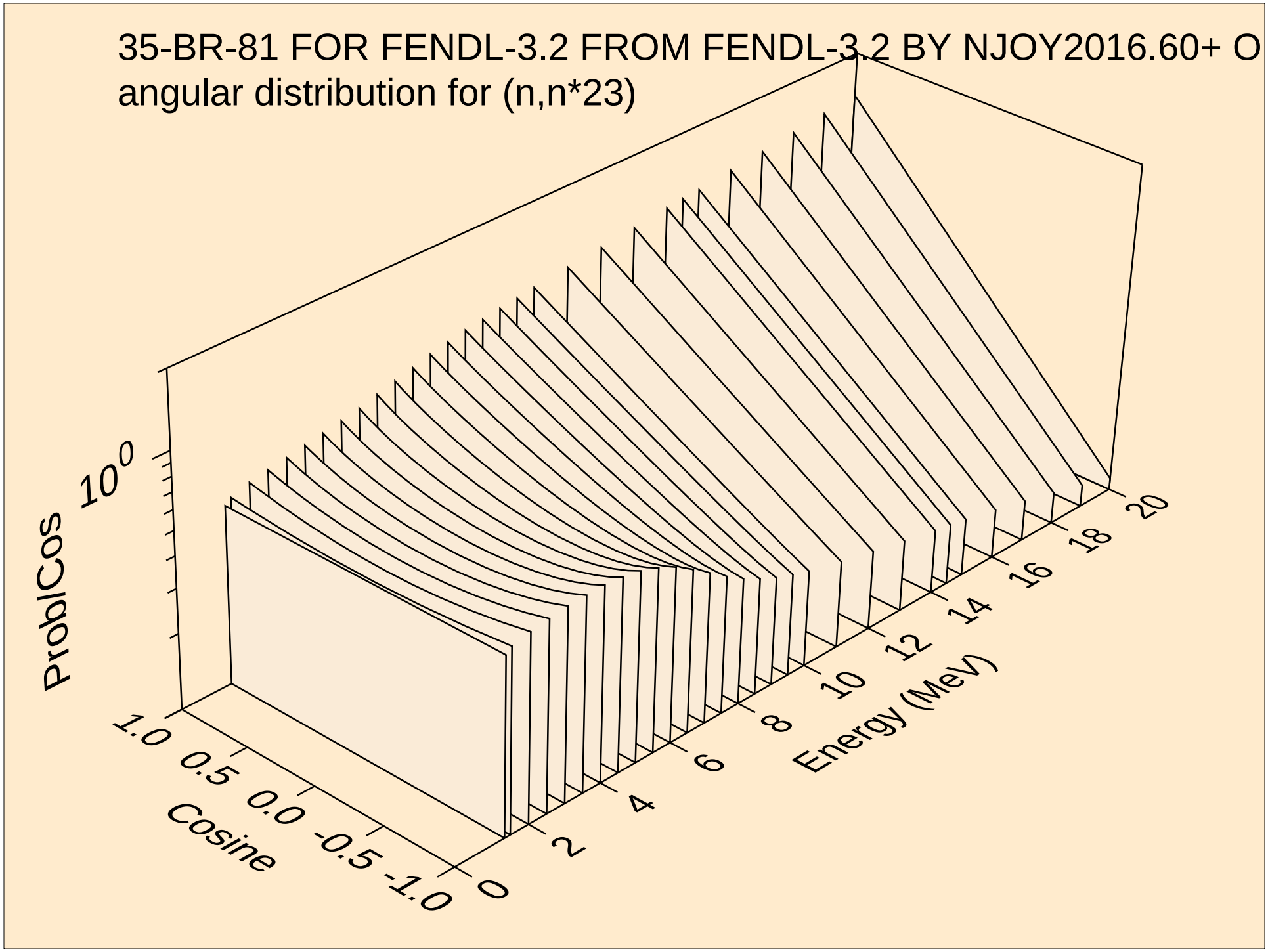

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*18)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

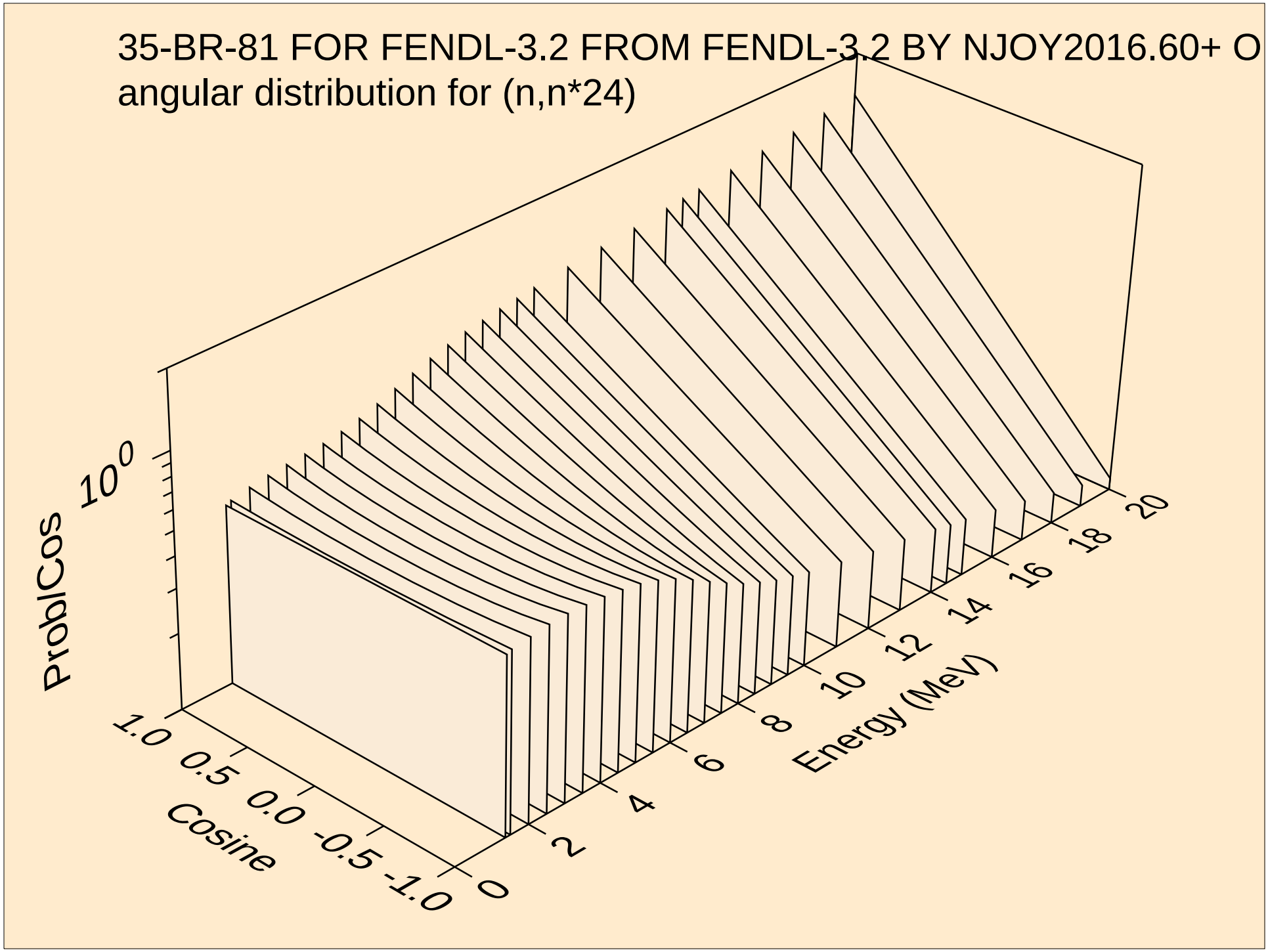

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*19)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

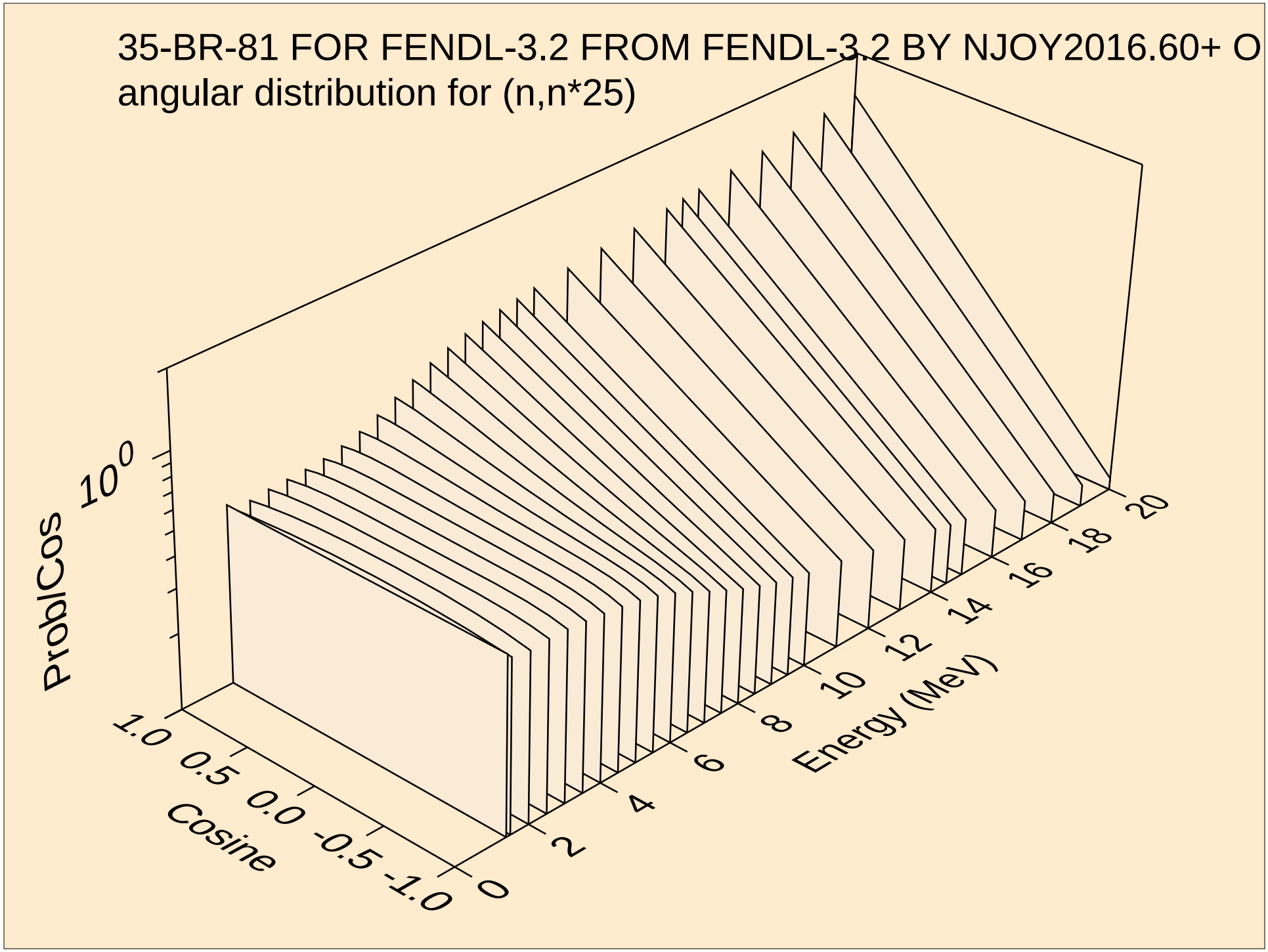

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*20)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

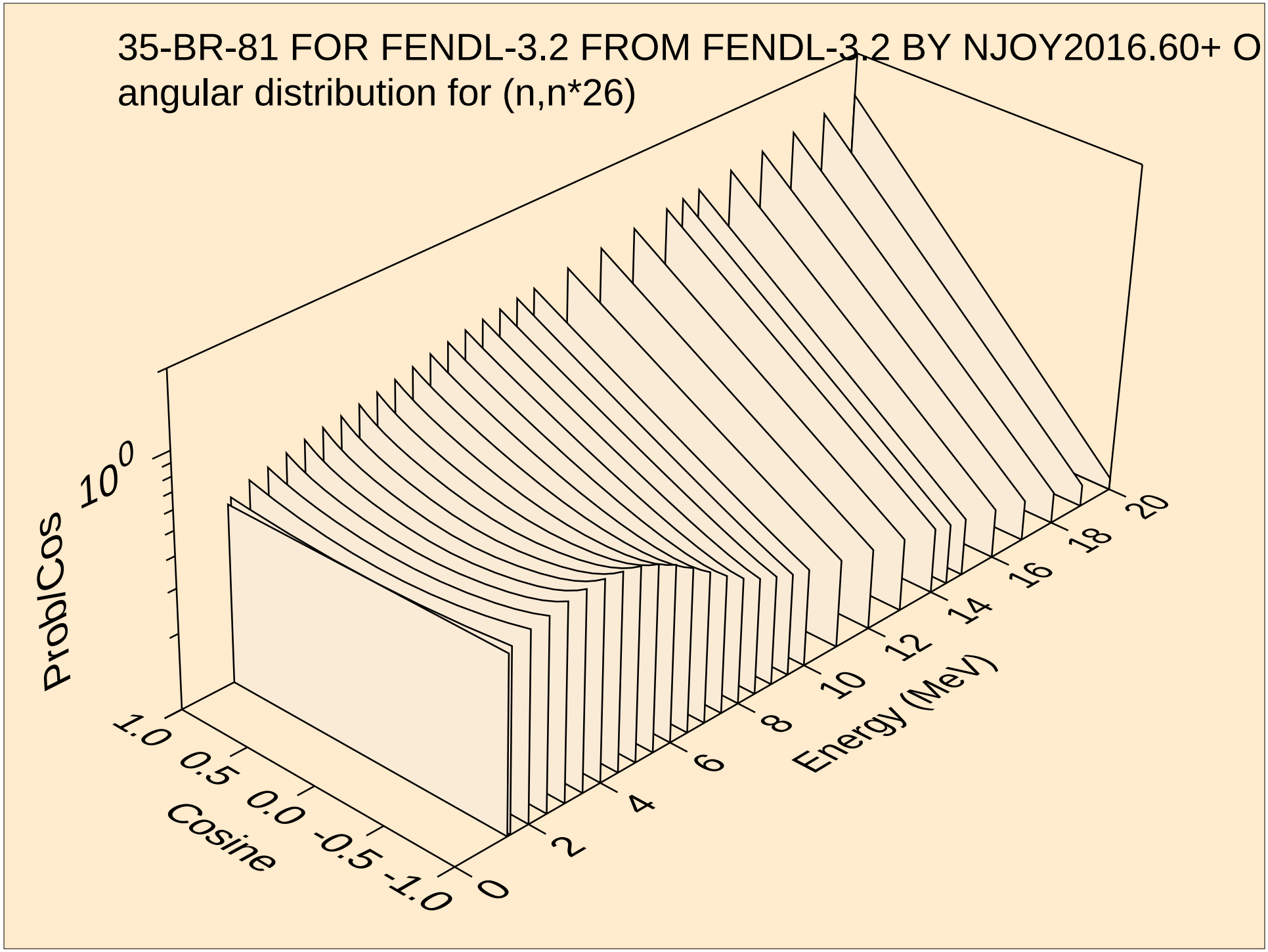

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*21)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

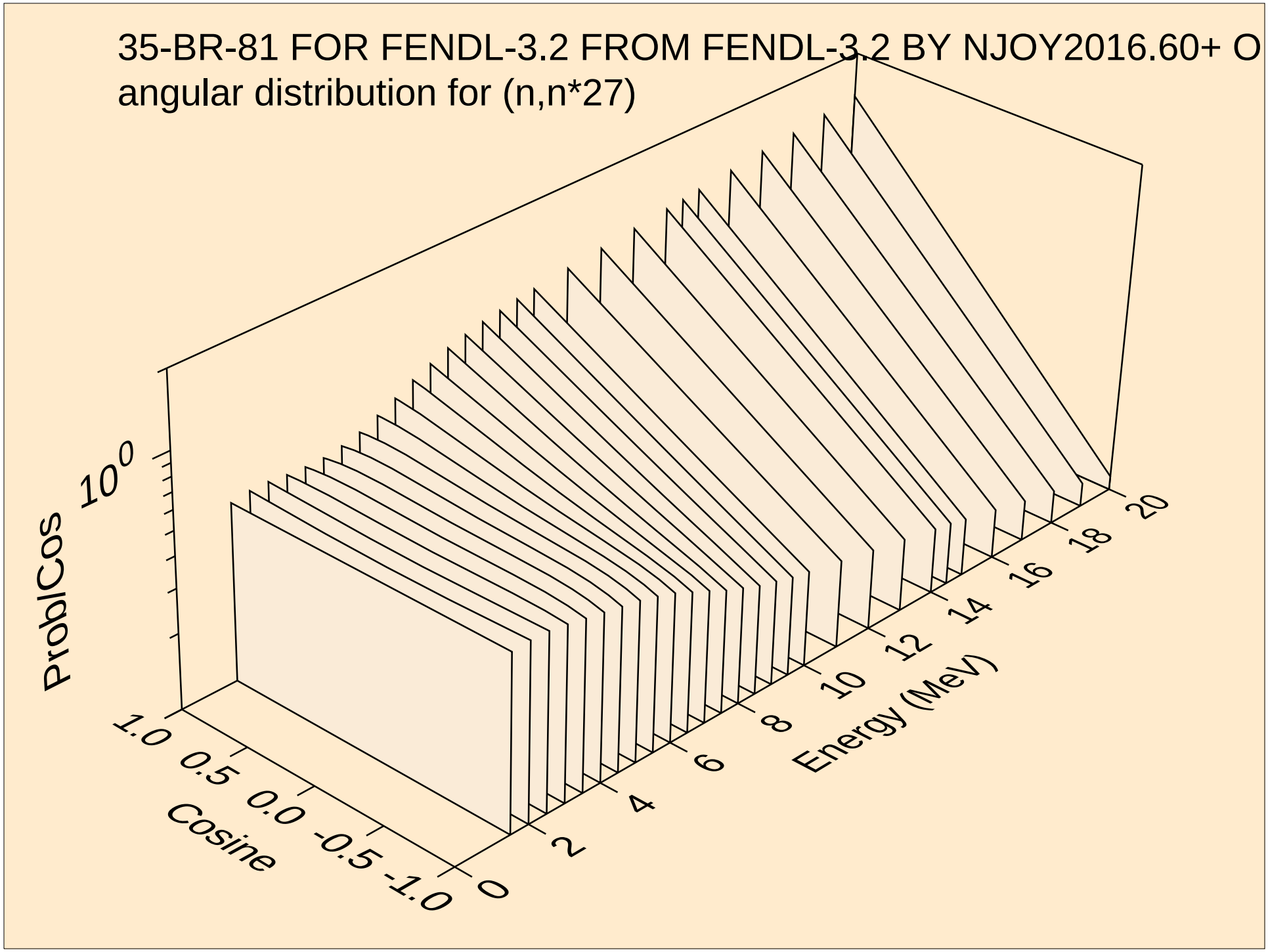

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*22)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

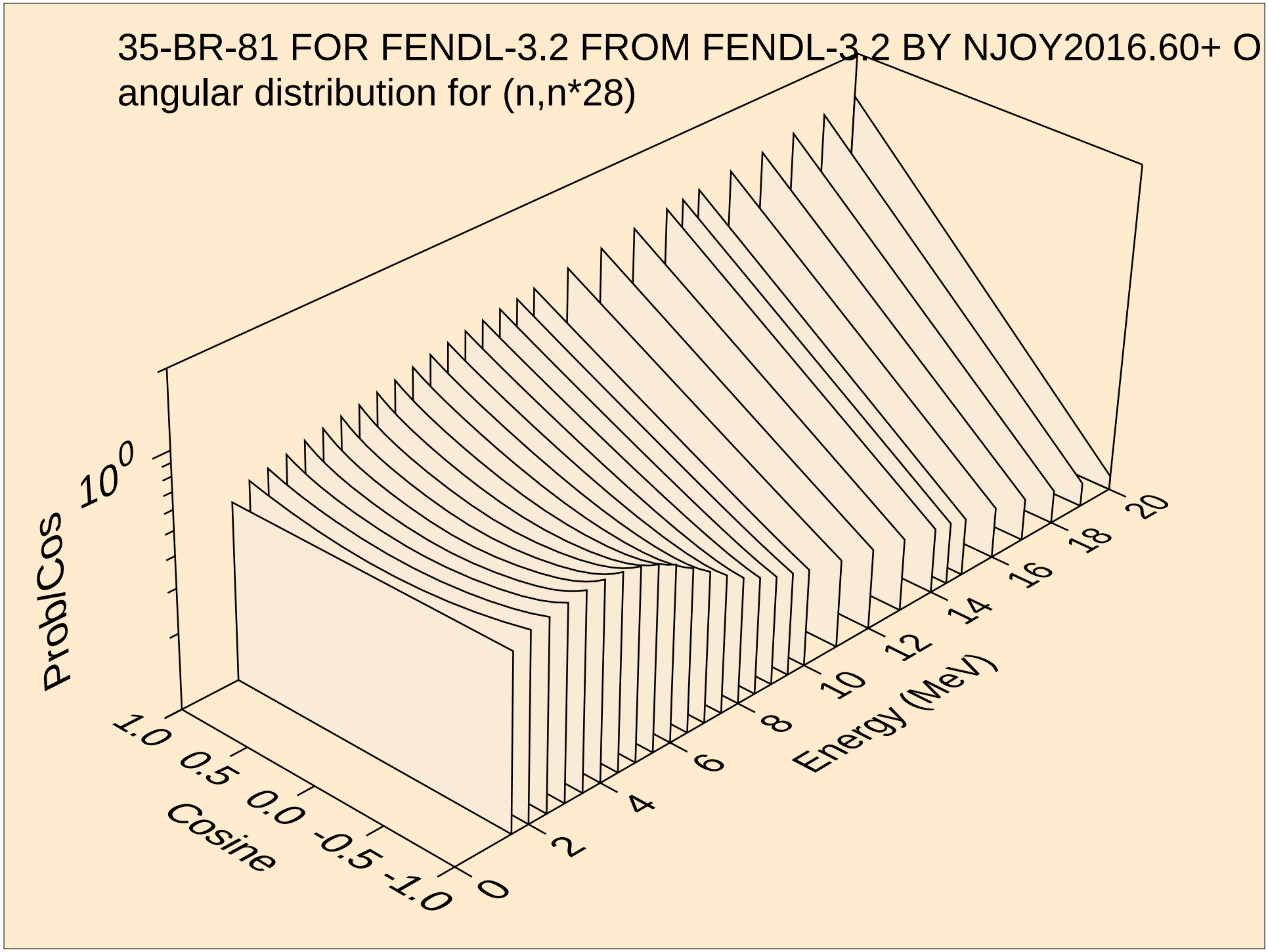

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*23)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

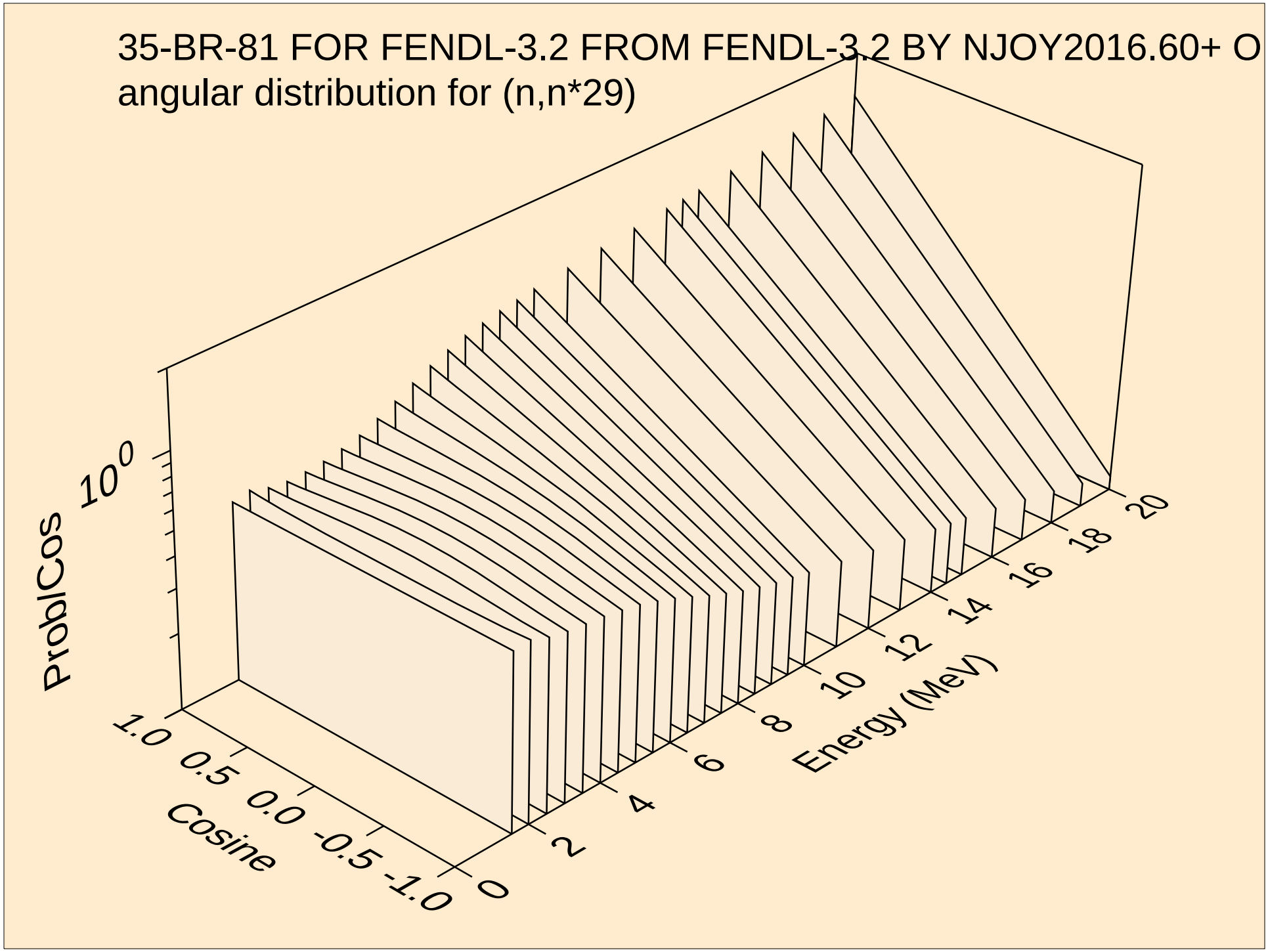

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*24)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

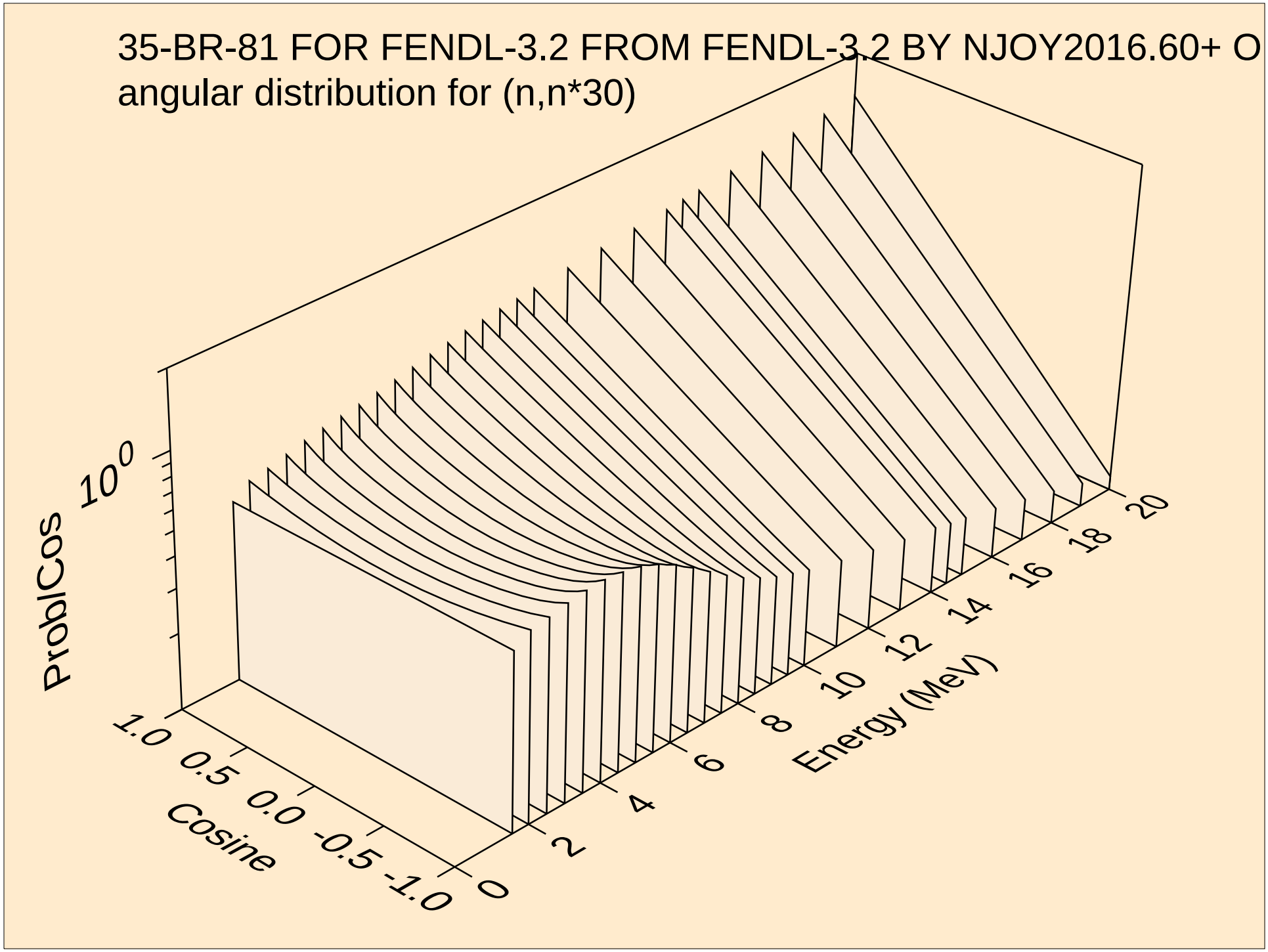

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*25)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

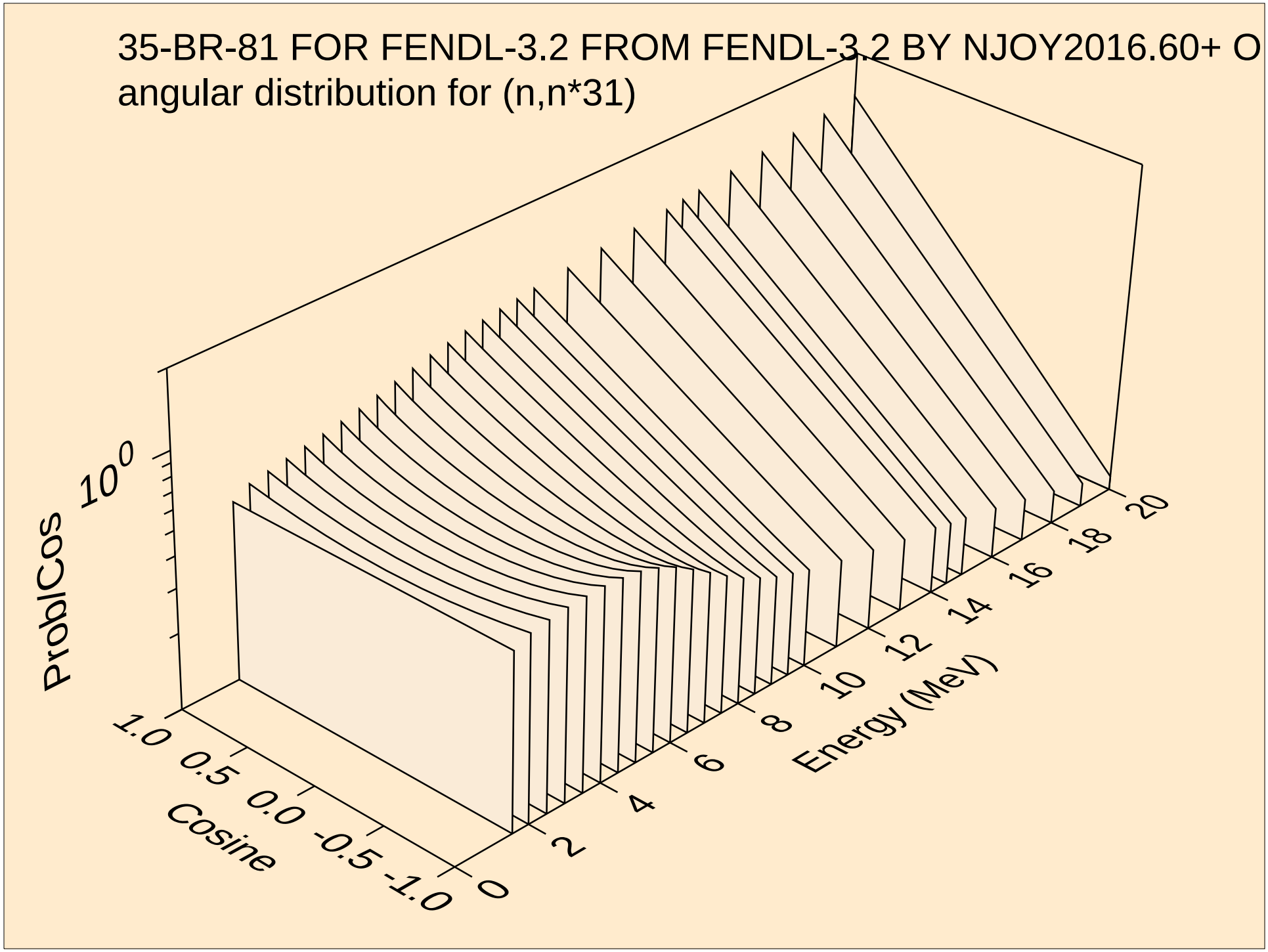

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*26)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

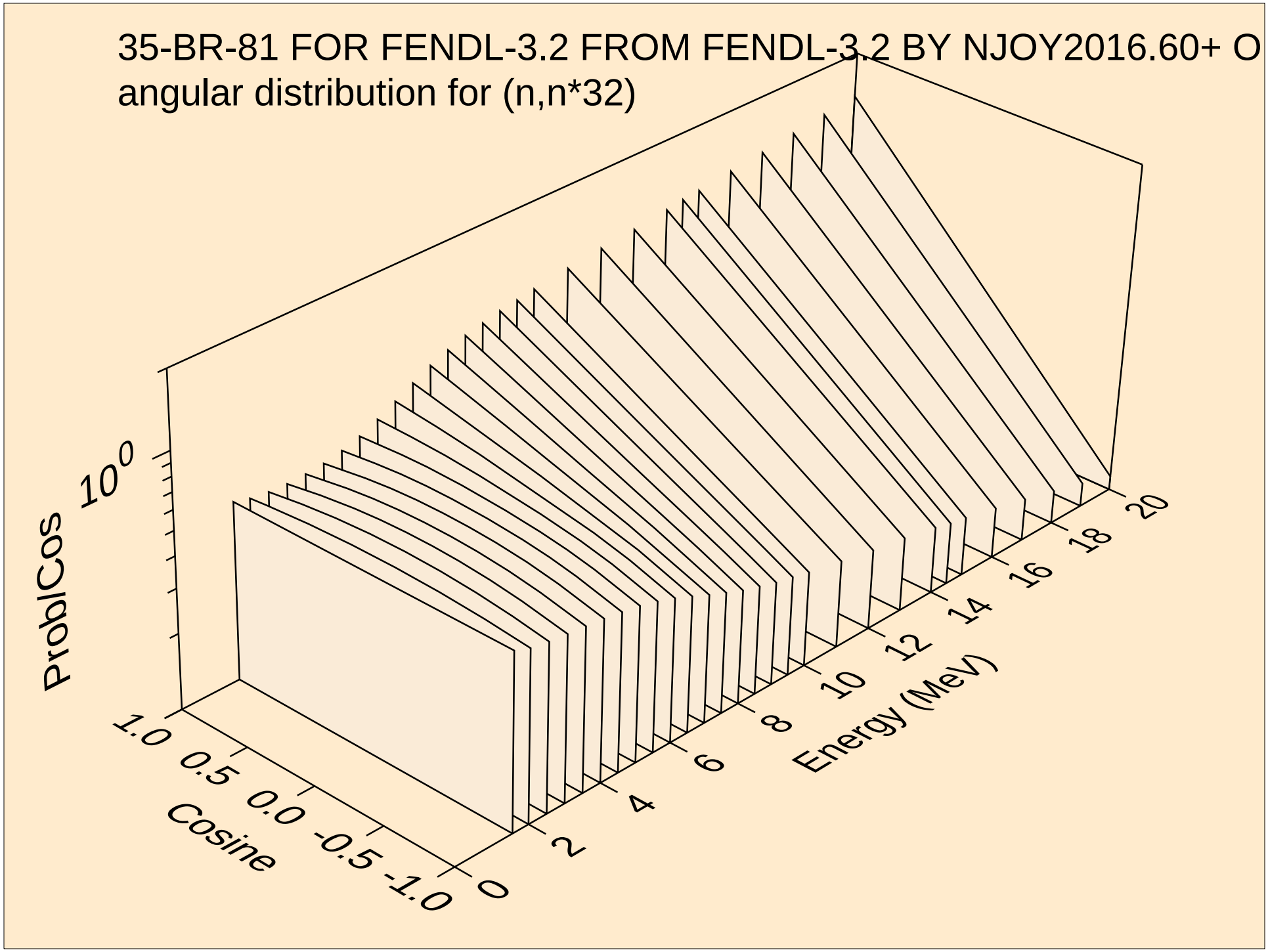

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*27)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

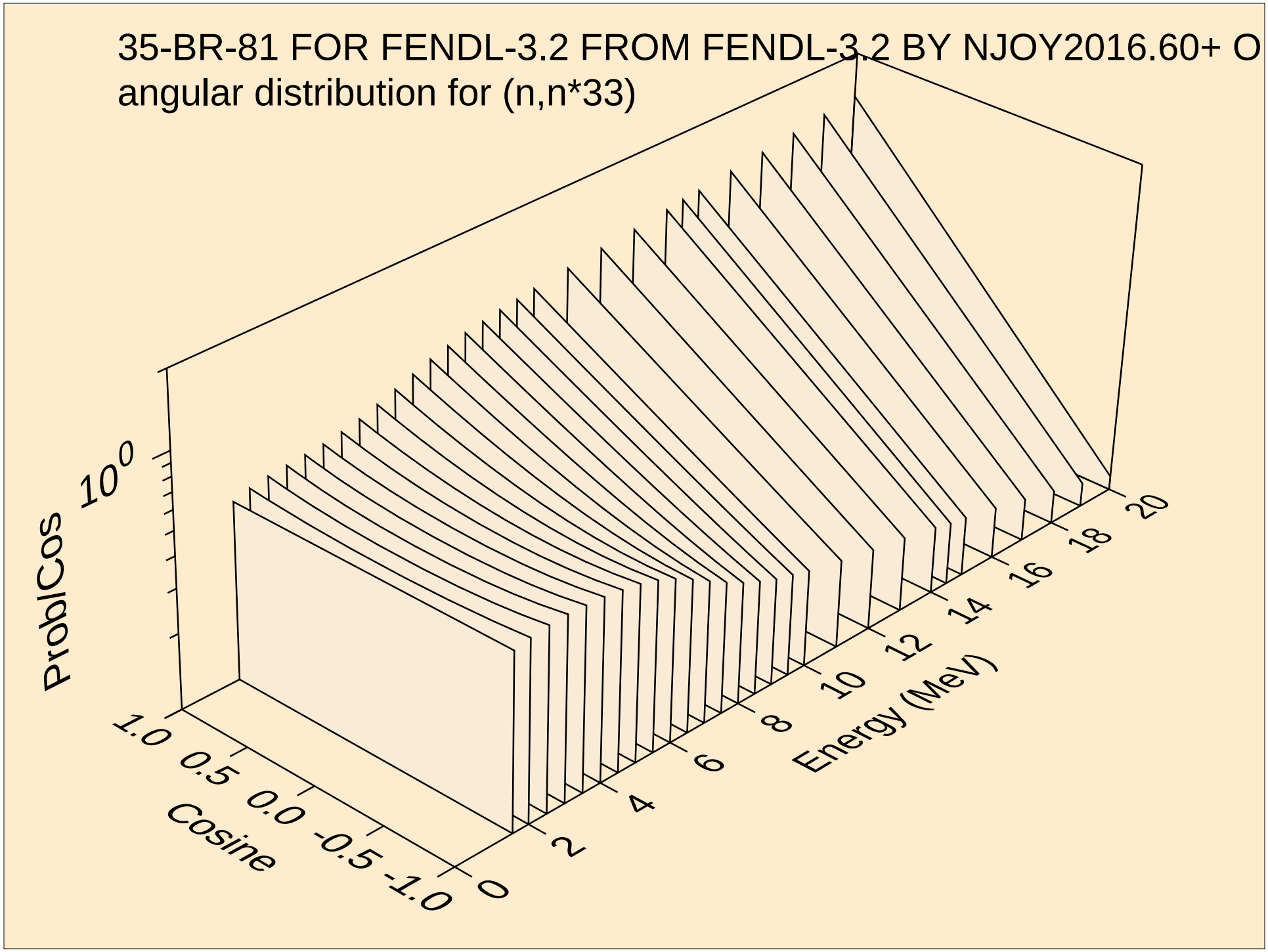

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*28)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

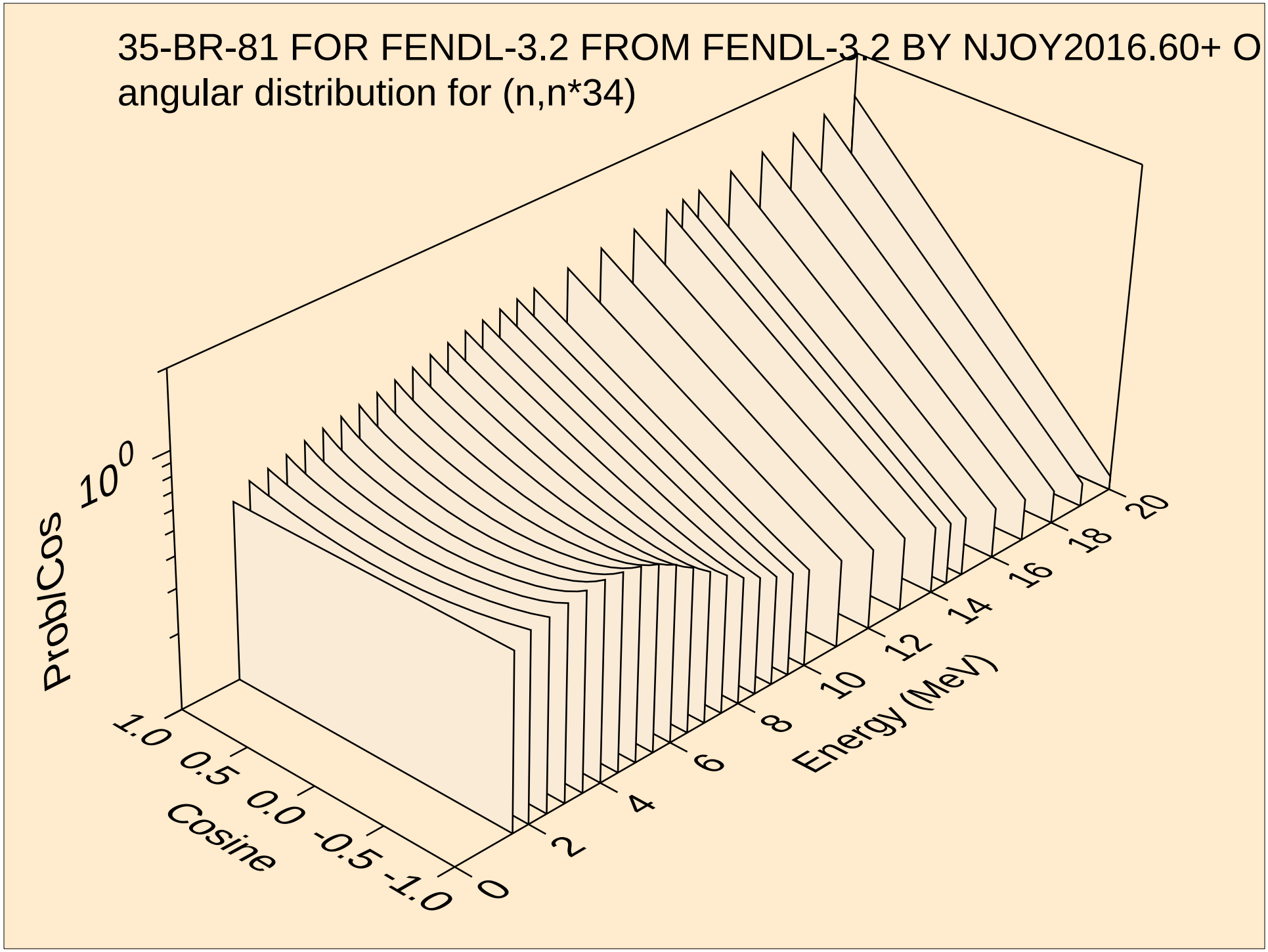

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*29)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

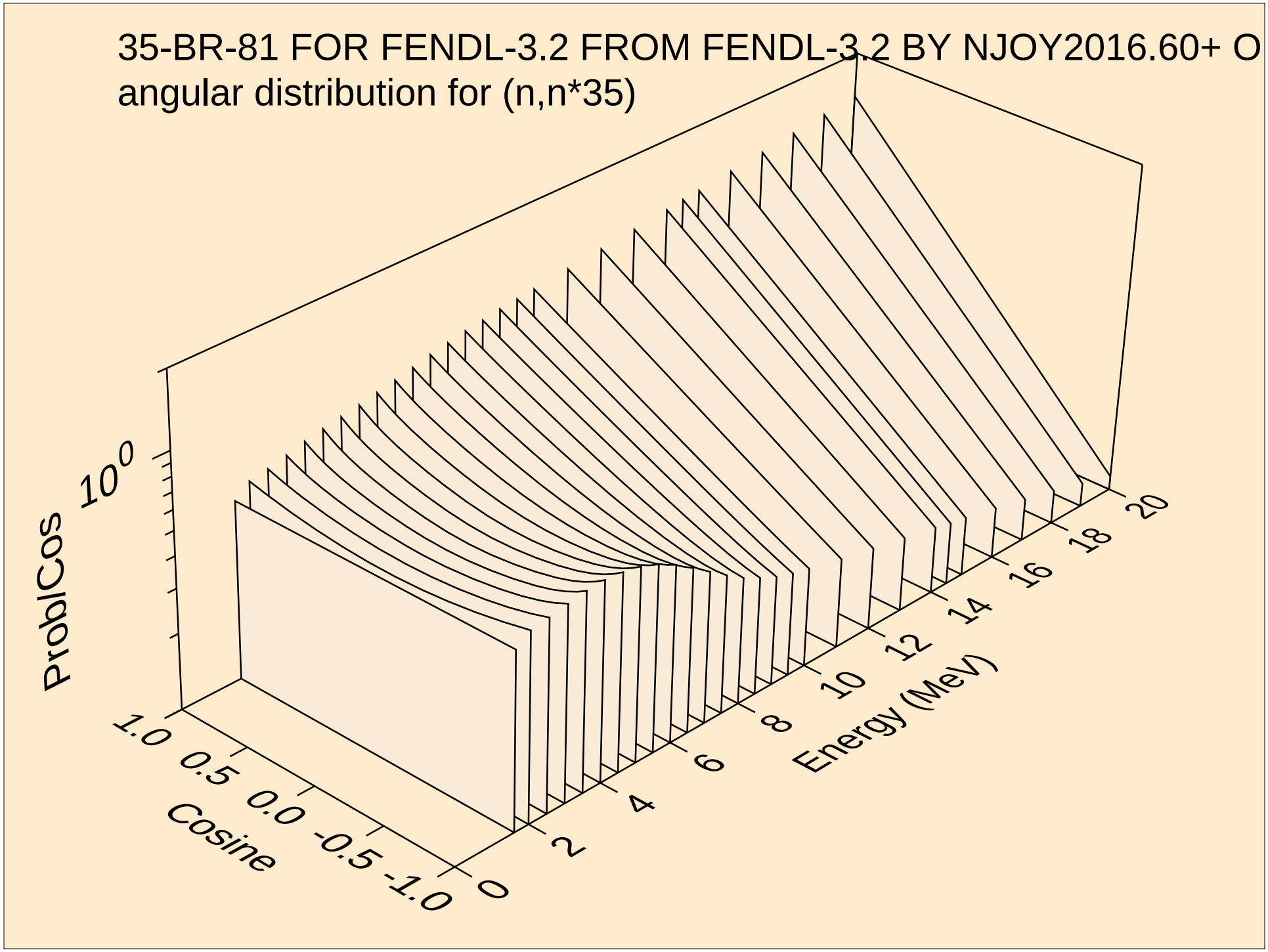

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*30)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

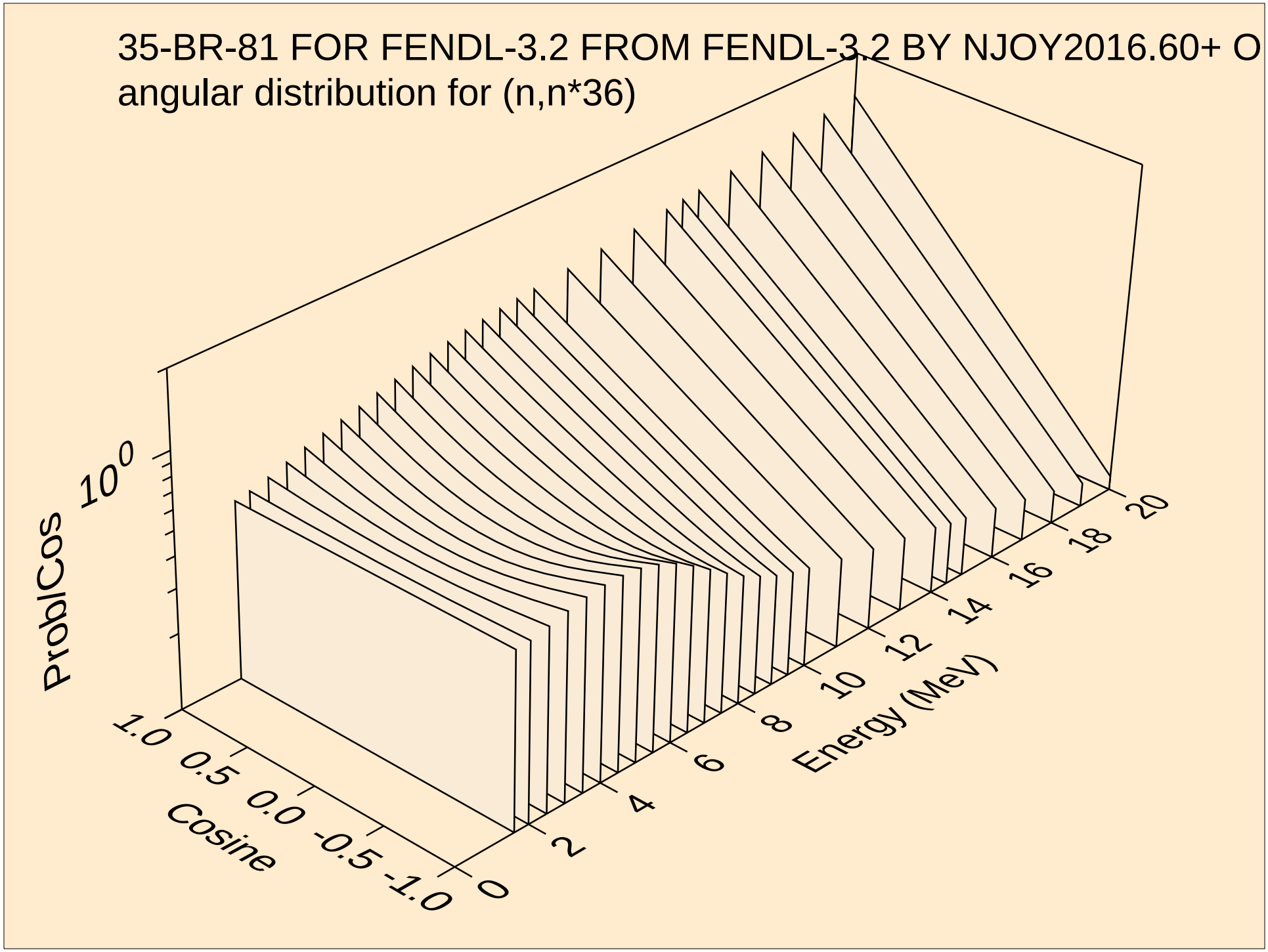

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*31)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

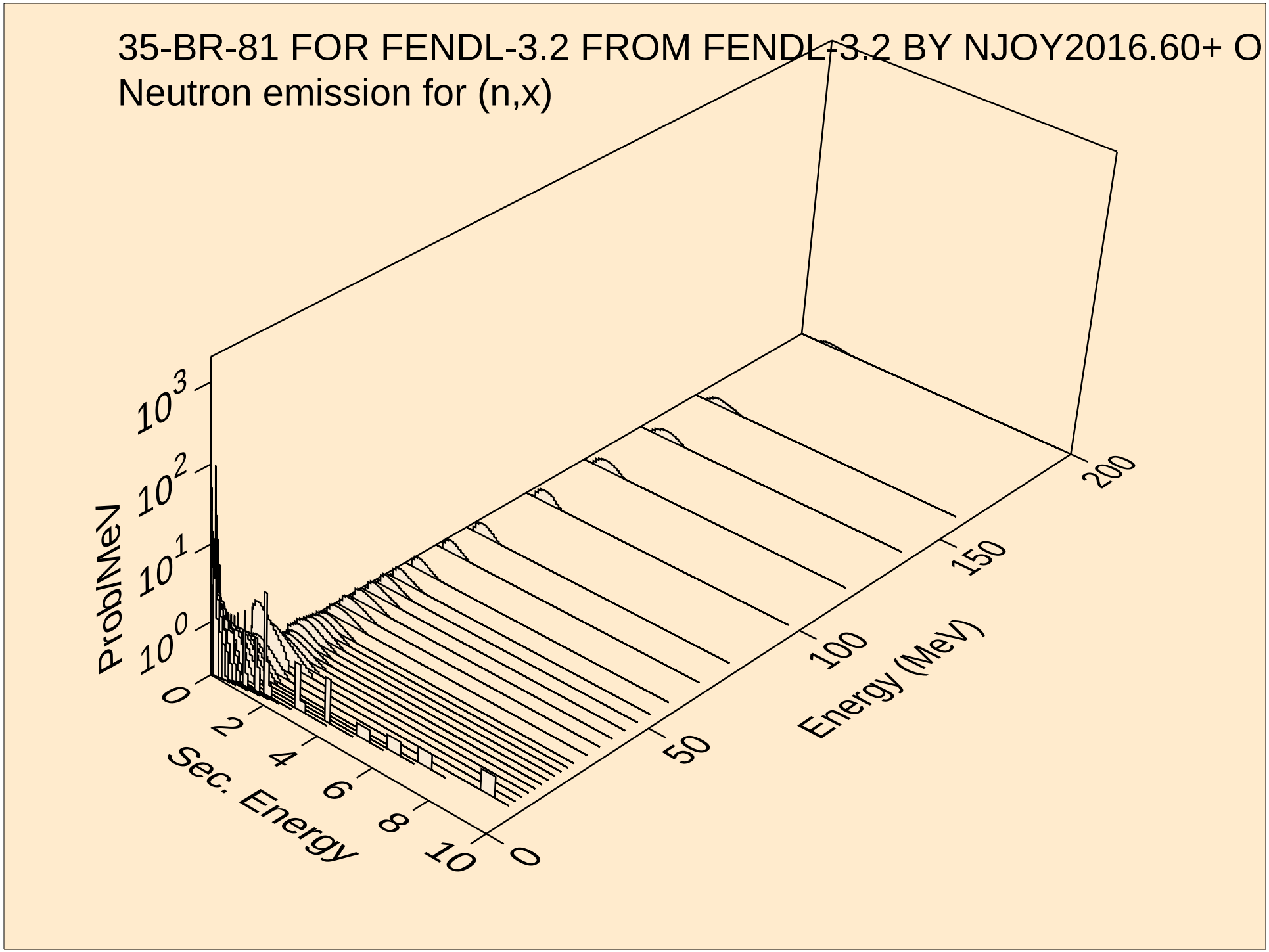

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*32)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

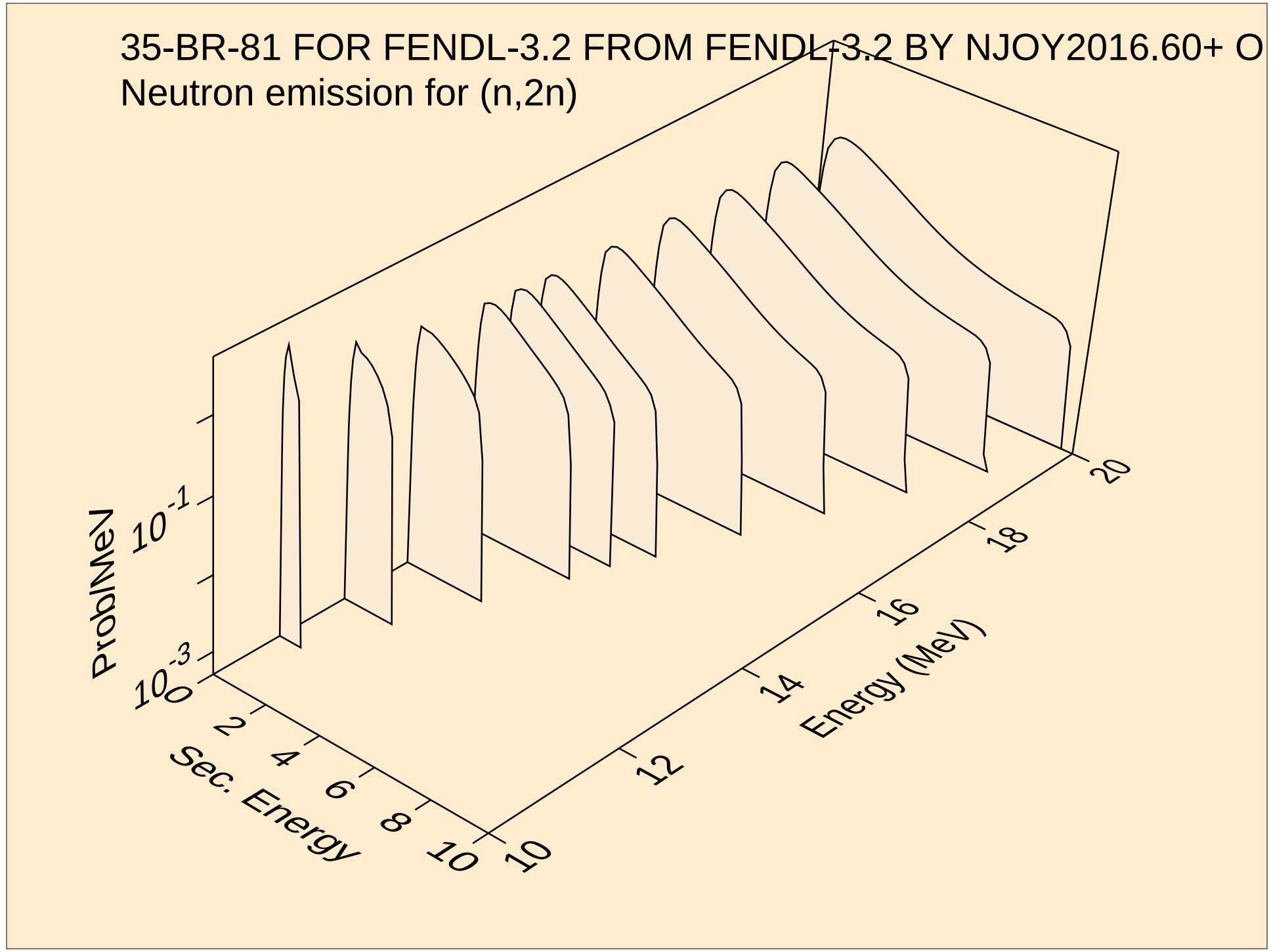

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*33)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

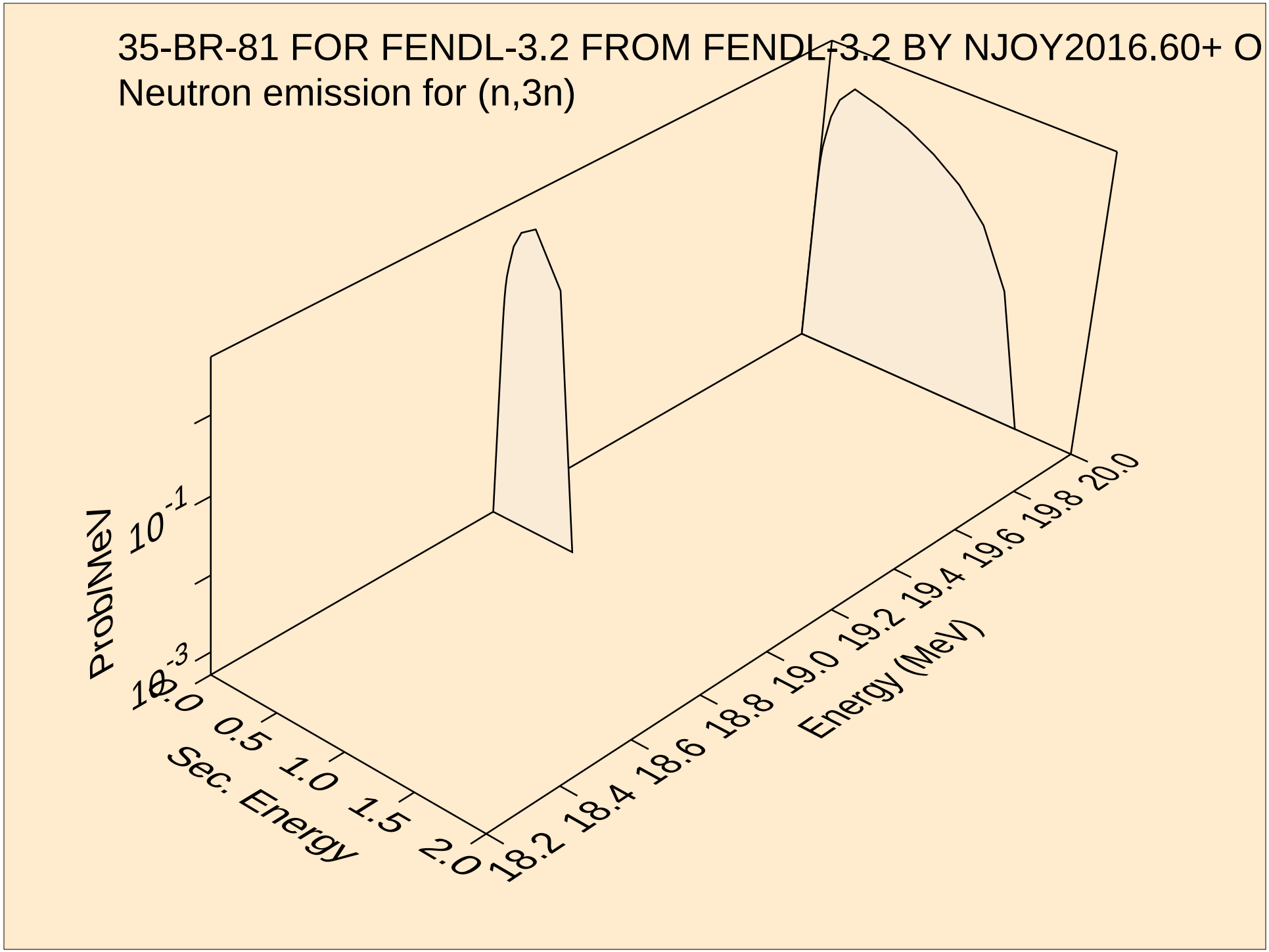

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*34)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

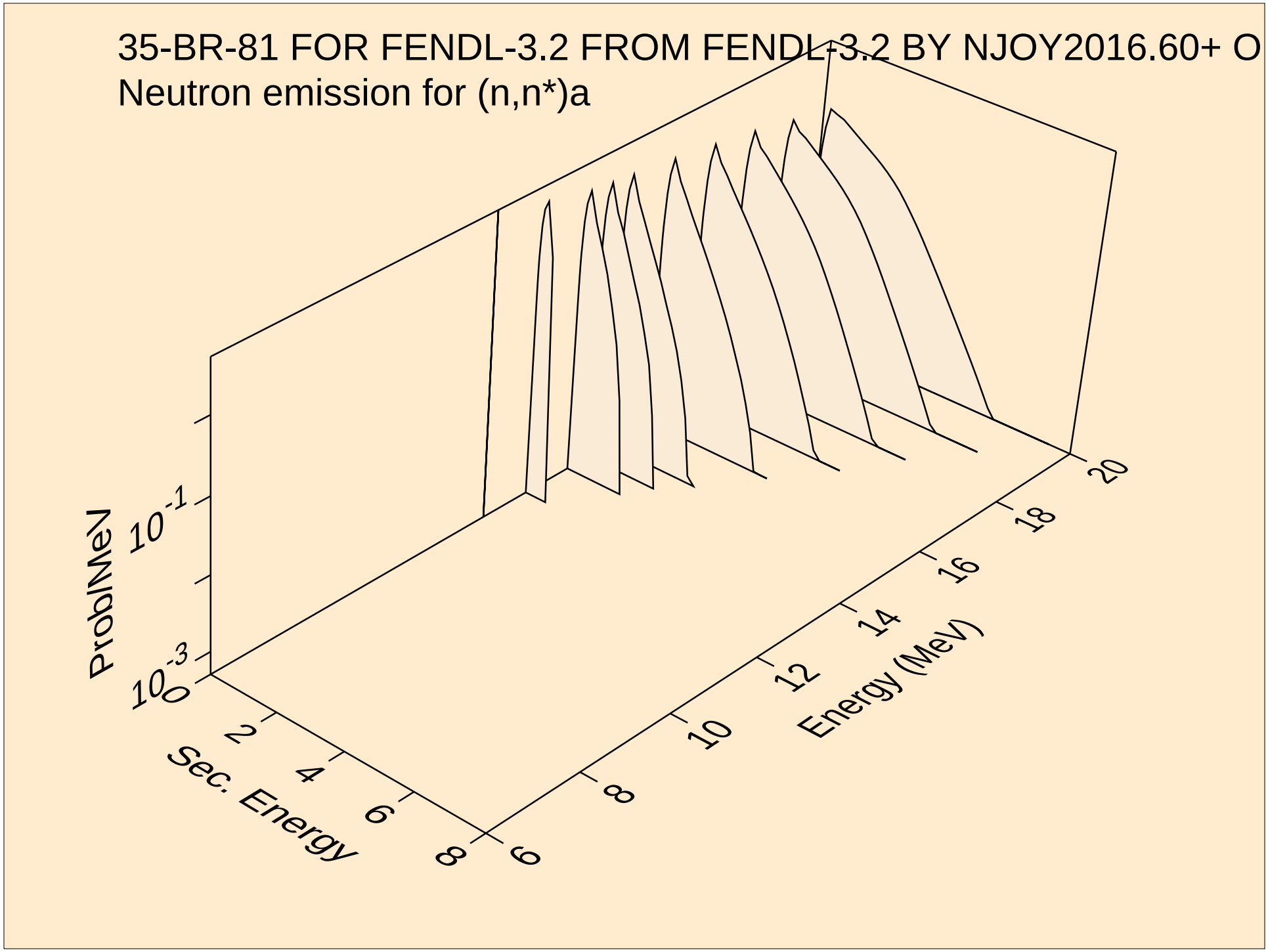

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*35)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

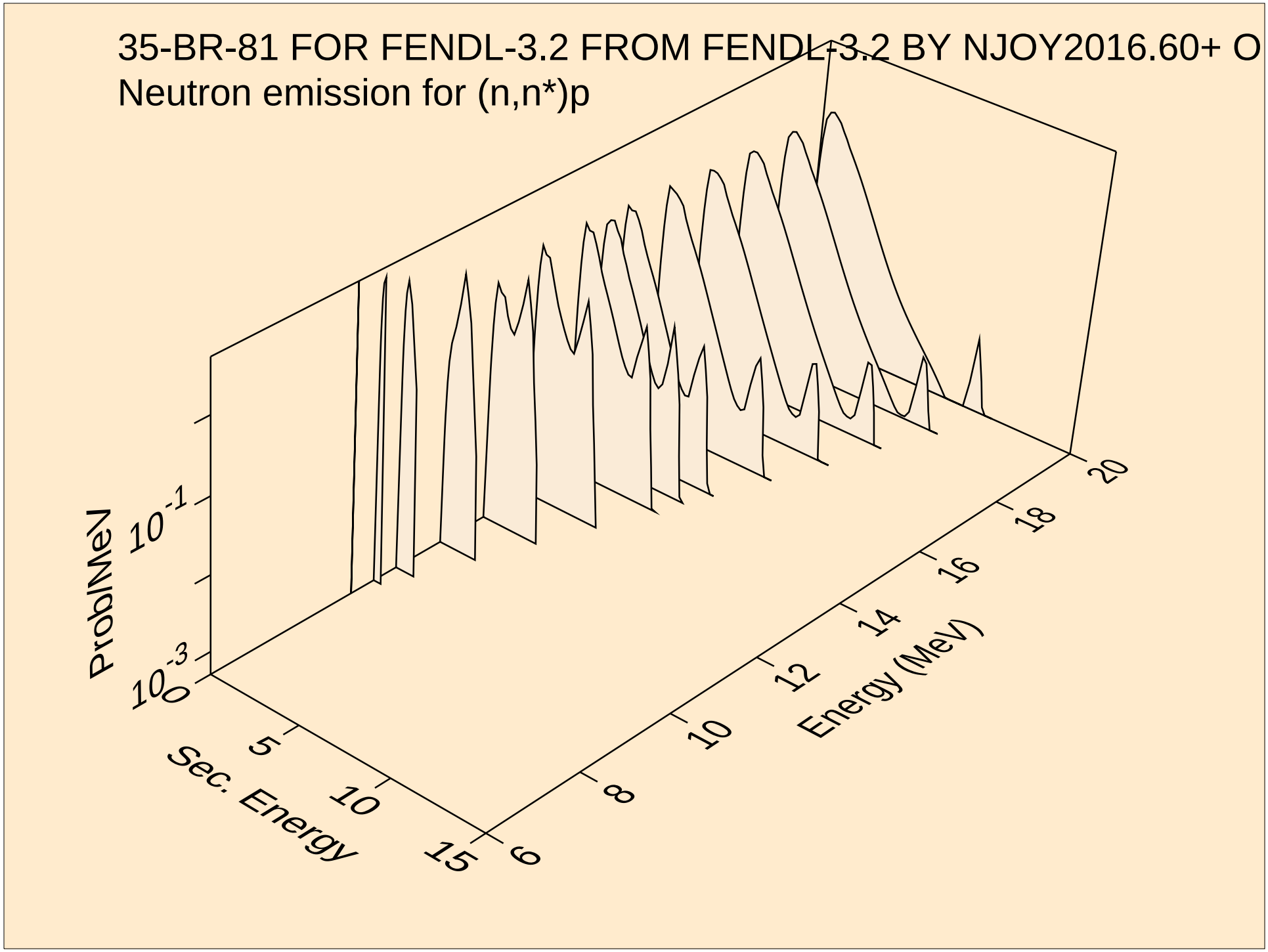

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
angular distribution for (n,n*36)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

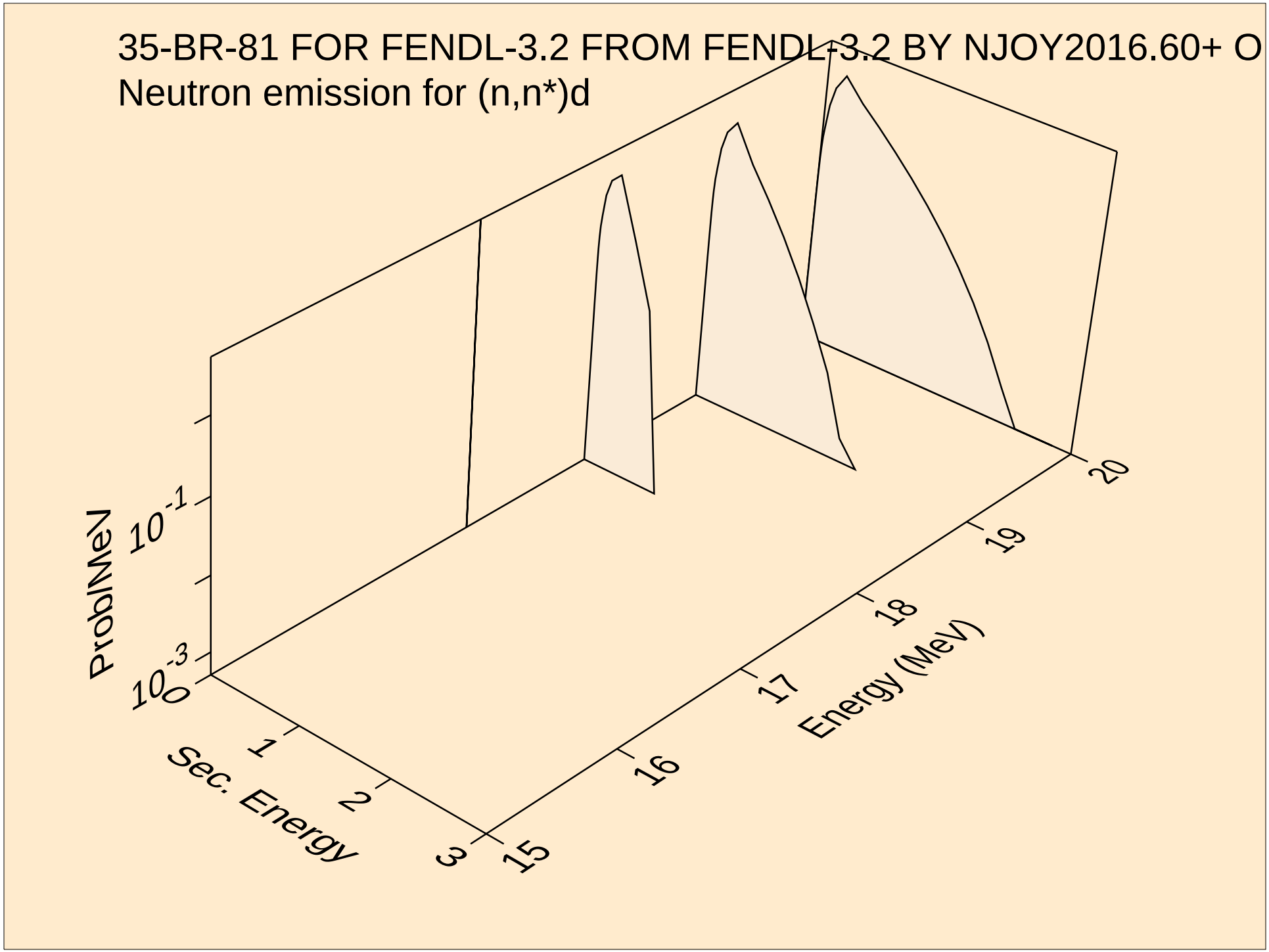

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,x)
Prob/MeV
10^3
10^2
10^1
10^0
0
2
4
6
8
10
Sec. Energy
0
50
100
150
200
Energy (MeV)

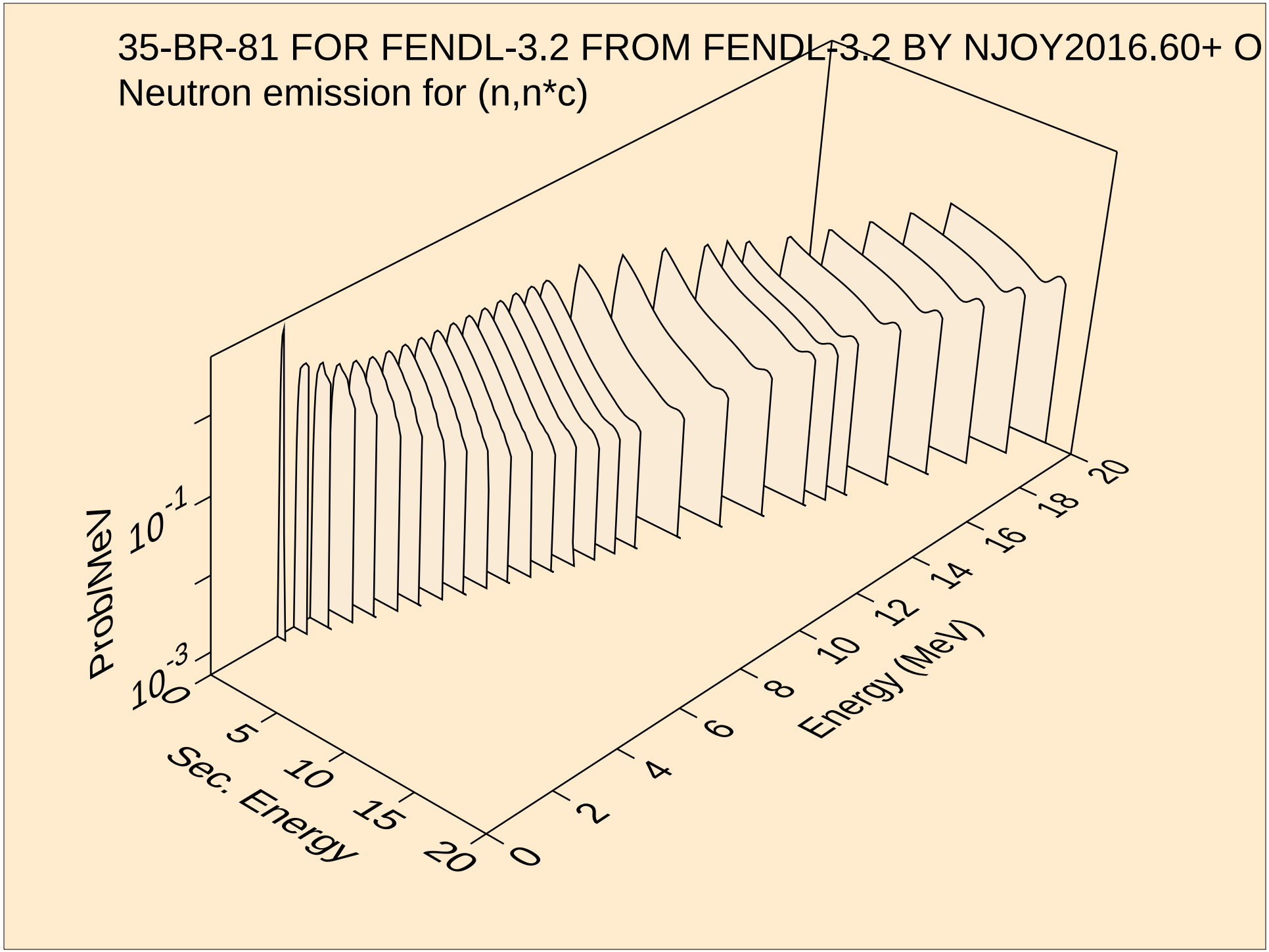

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,2n)
Prob/MeV
10-1
10-3
0
2
4
6
8
10
Sec. Energy
10
12
14
16
18
20
Energy (MeV)

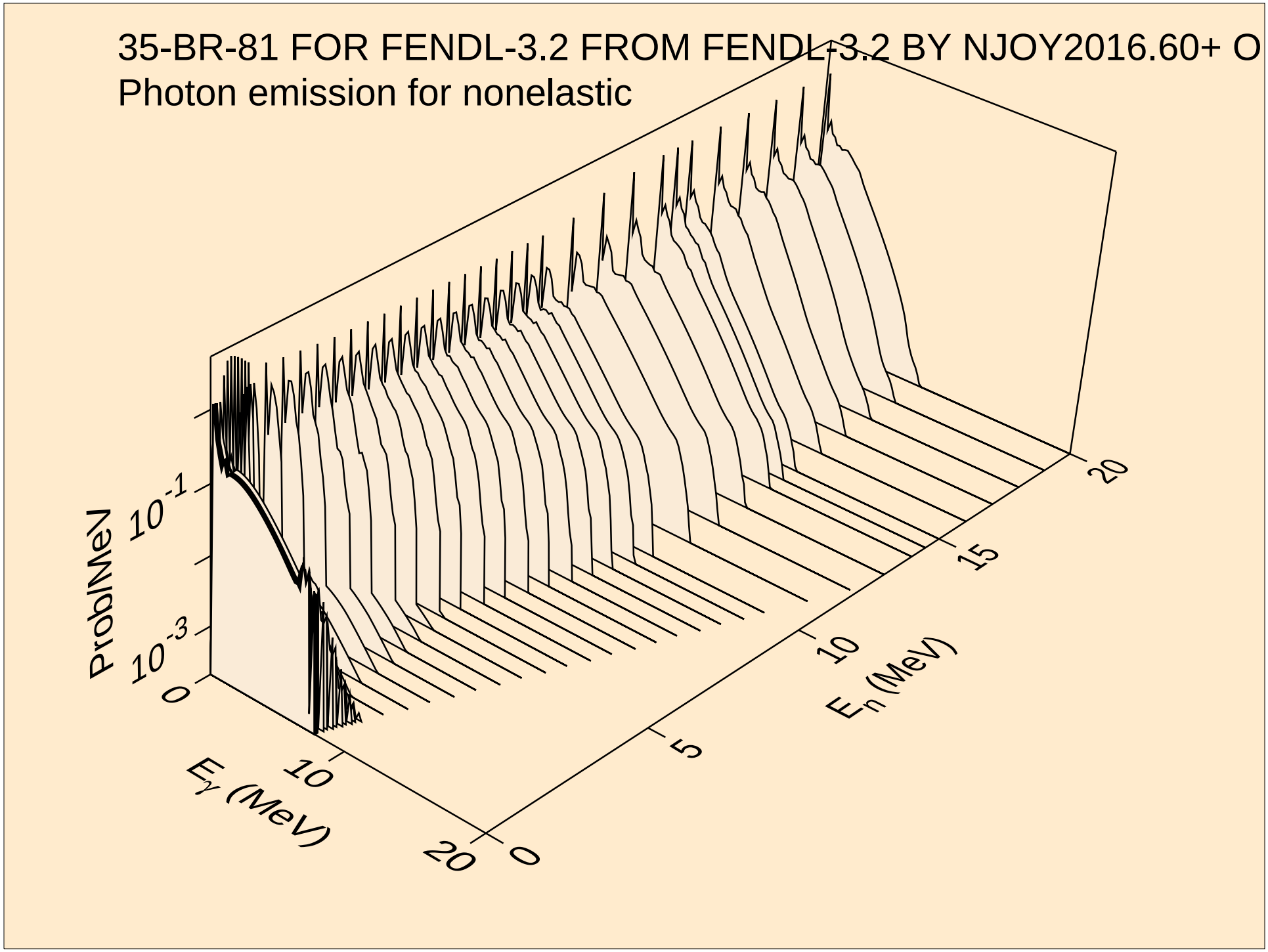

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0.0
0.5
1.0
1.5
2.0
Sec. Energy
18.2
18.4
18.6
18.8
19.0
19.2
19.4
19.6
19.8
20.0
Energy (MeV)

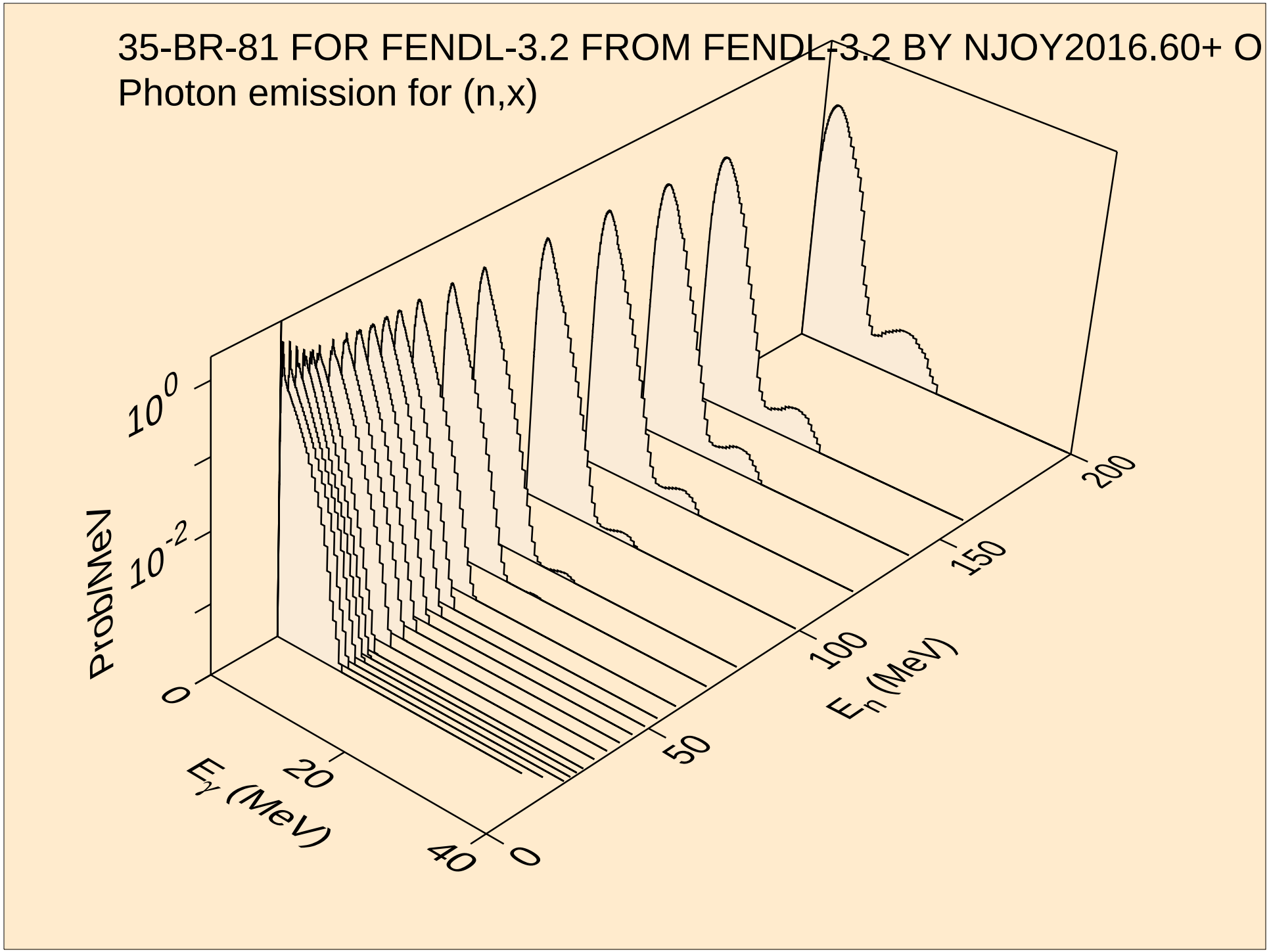

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,n*)a
Prob/MeV
10-1
10-3
0
2
4
6
8
Sec. Energy
6
8
10
12
14
16
18
20
Energy (MeV)

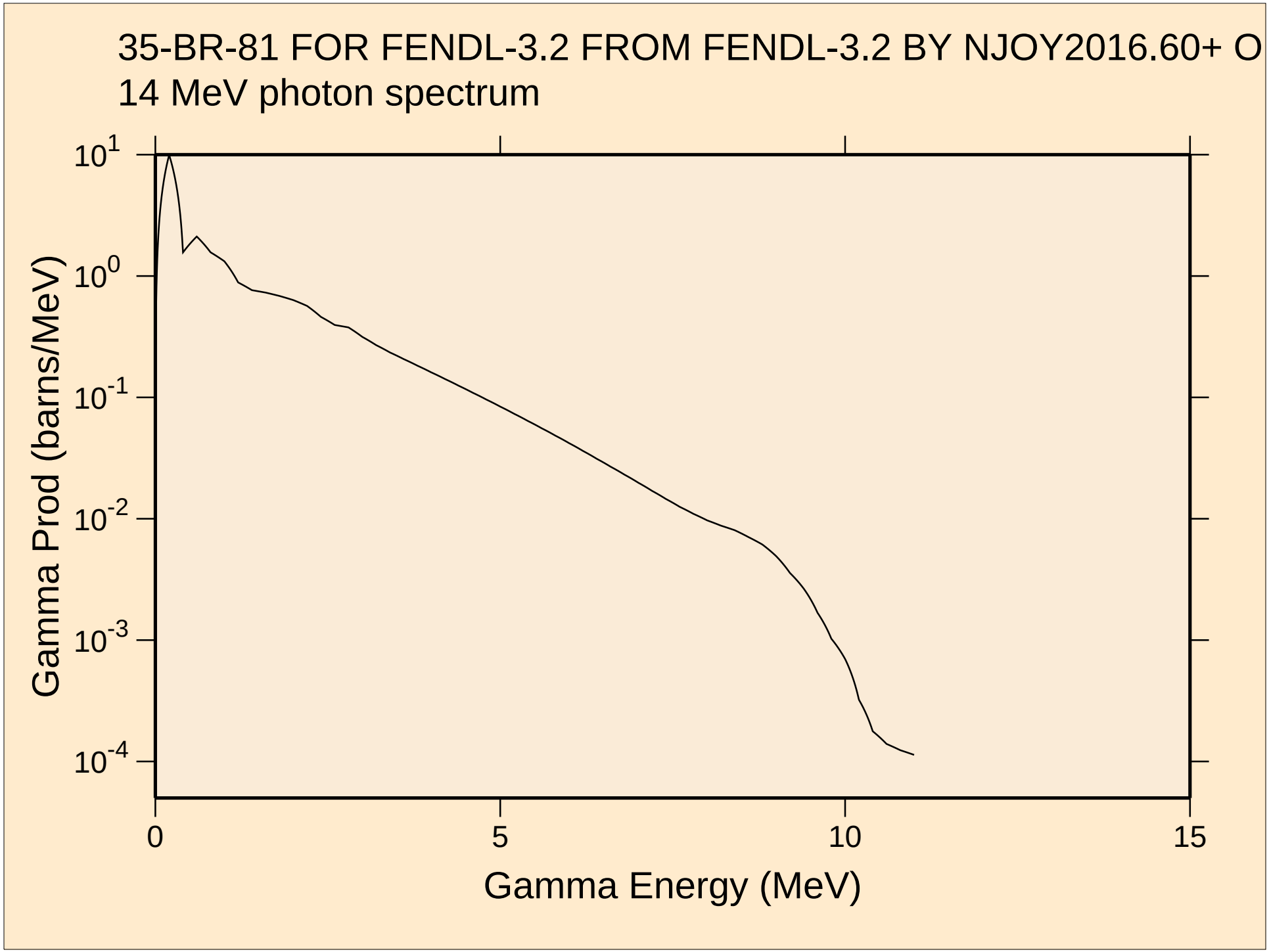

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,n*)p
Prob/MeV
10-1
10-3
0
5
10
15
Sec. Energy
6
8
10
12
14
16
18
20
Energy (MeV)

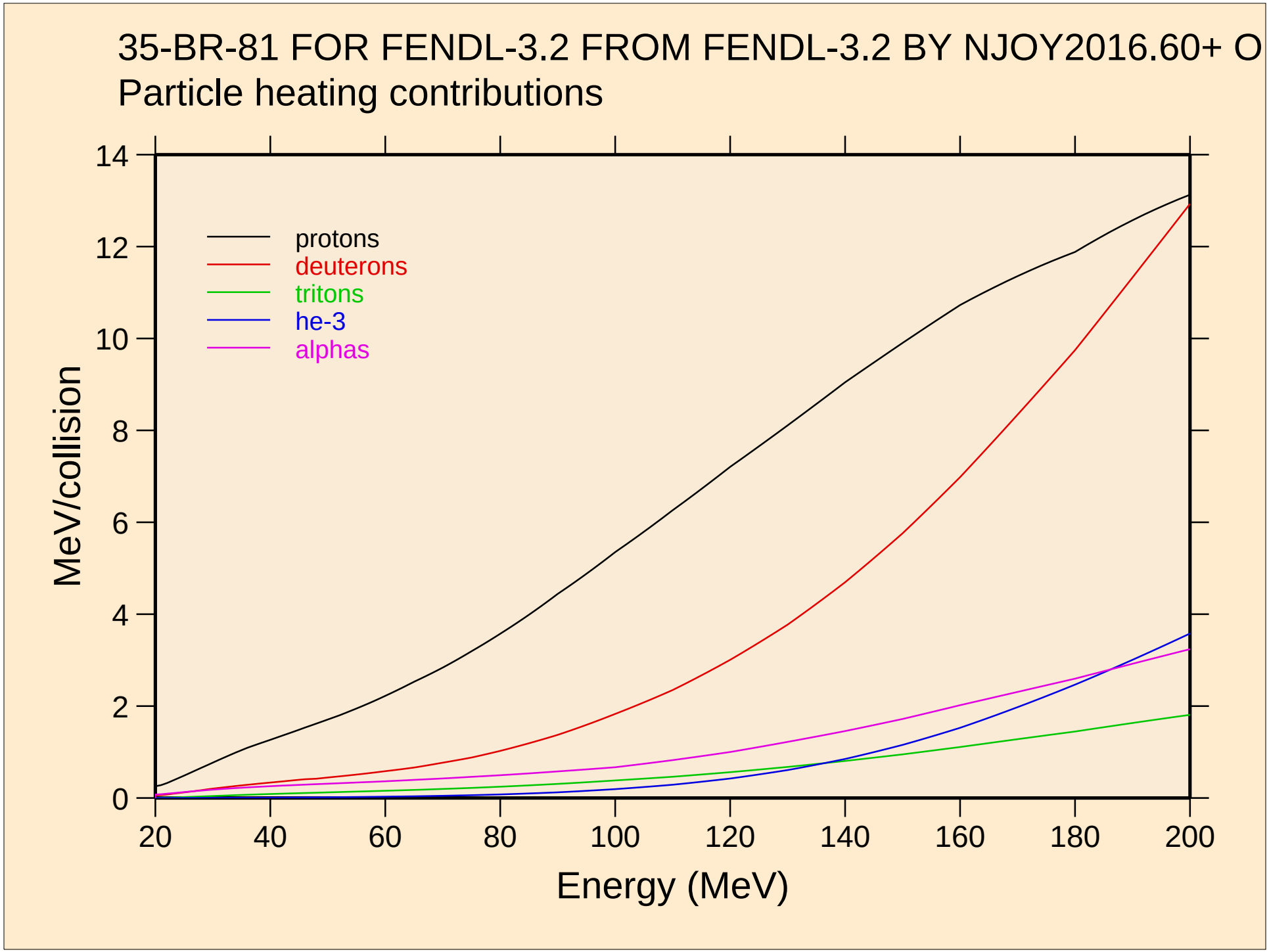

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,n*)d
Prob/MeV
10-1
10-3
0
1
2
3
Sec. Energy
15
16
17
18
19
20
Energy (MeV)

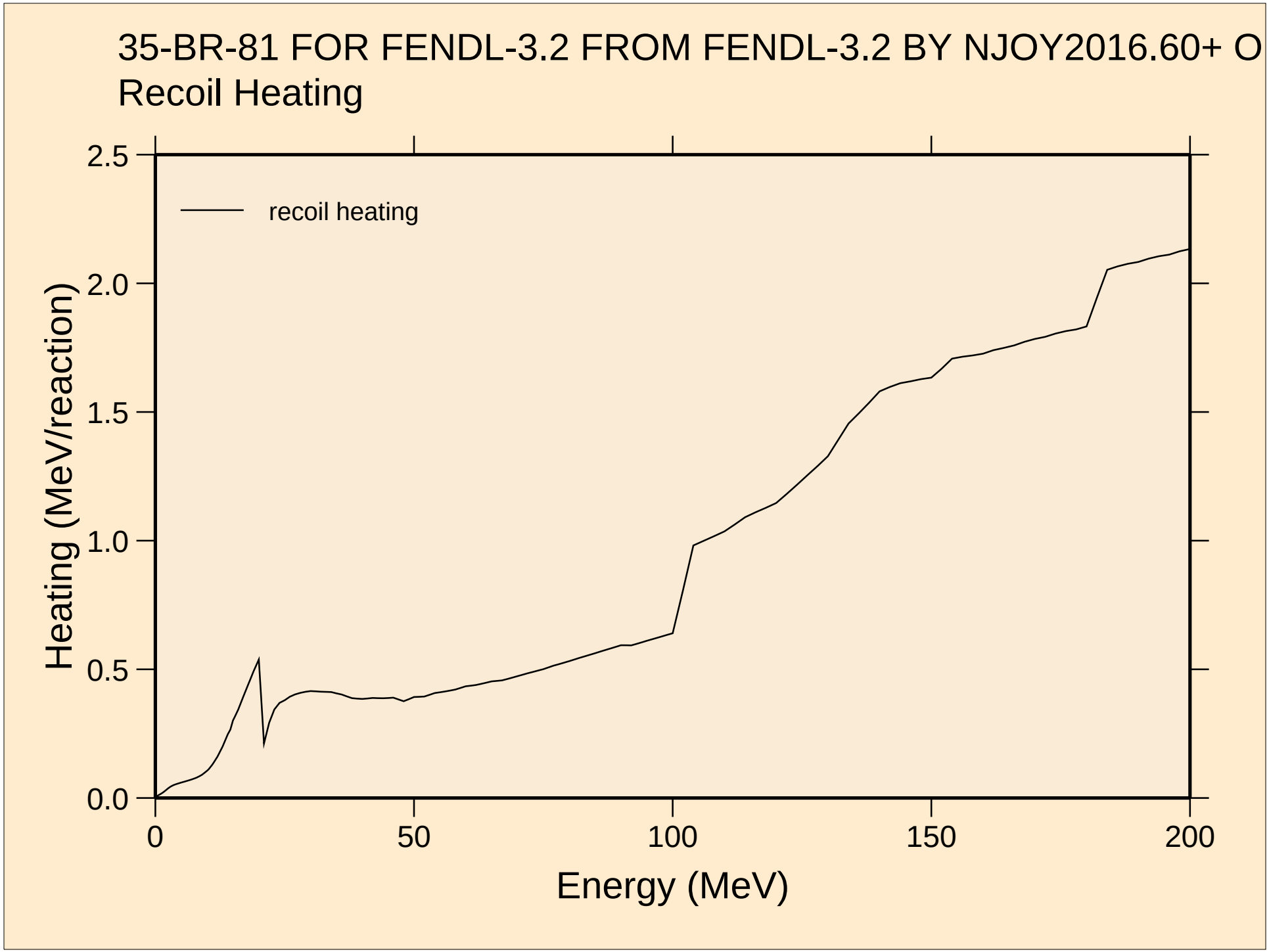

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Neutron emission for (n,n*c)
Prob/MeV
10-1
10-3
0
5
10
15
20
Sec. Energy
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

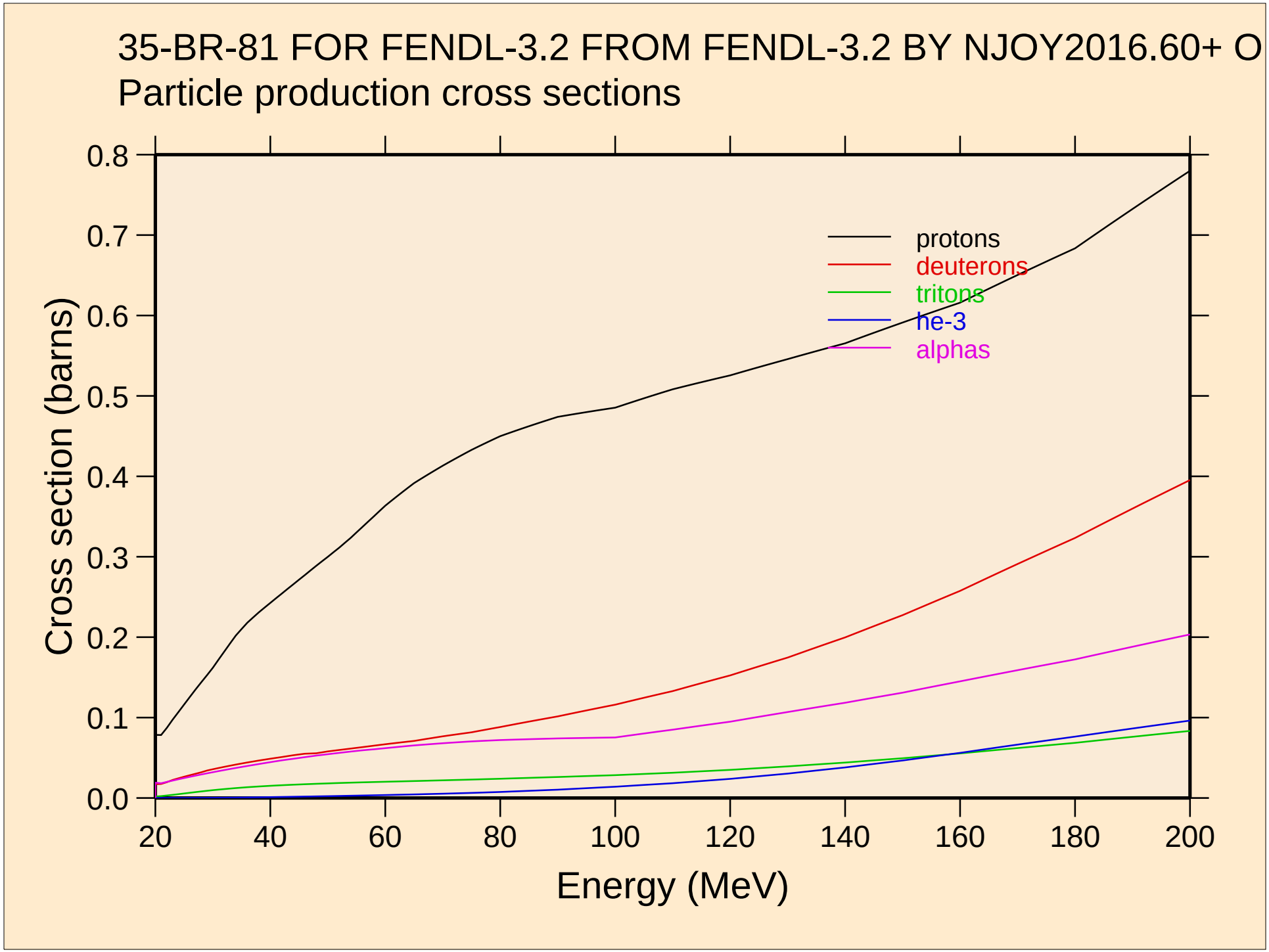

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Photon emission for nonelastic
Prob/MeV
10-1
10-3
0
Eγ (MeV)
10
20
0
5
10
15
20
En (MeV)

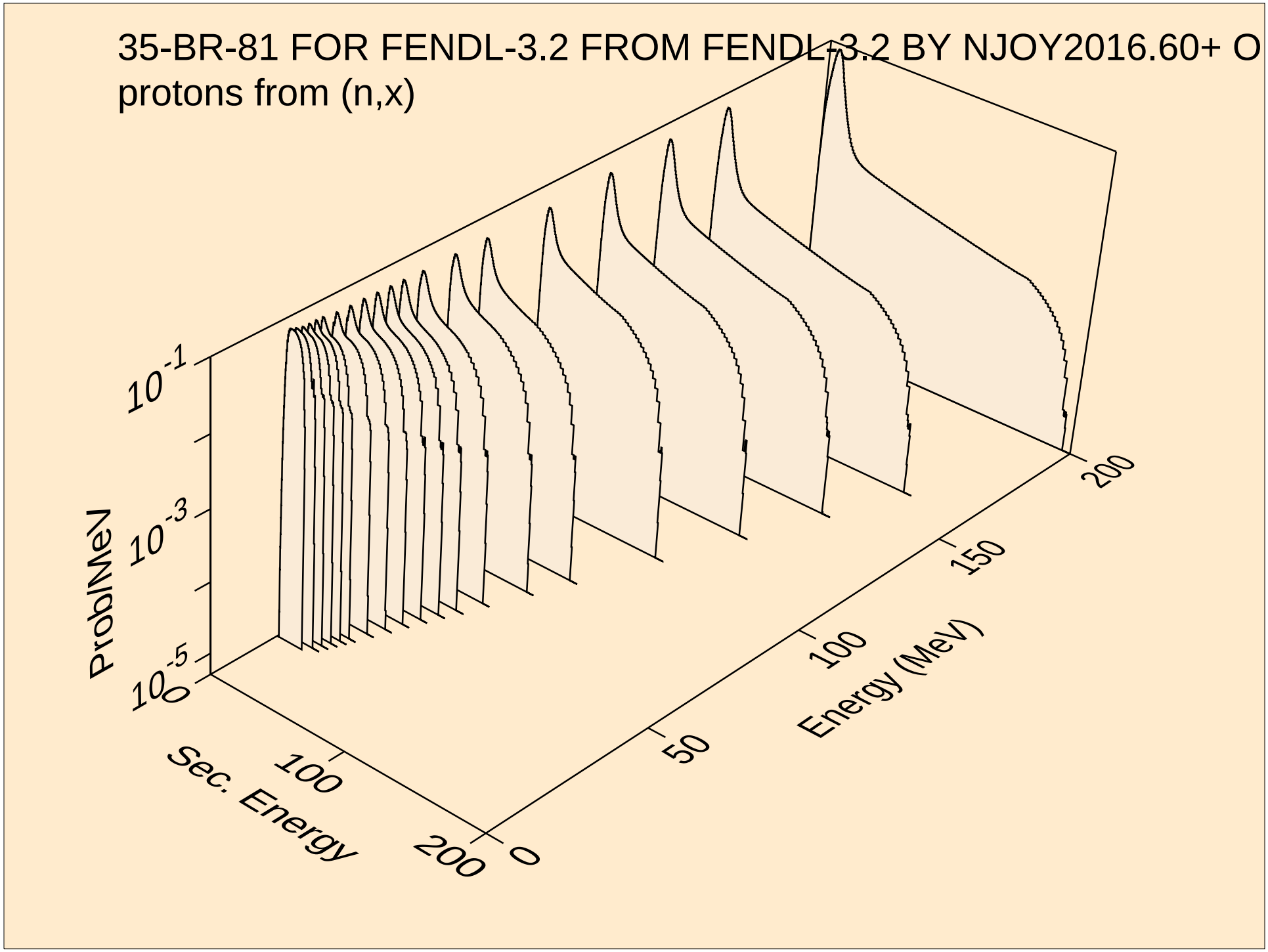

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Photon emission for (n,x)
Prob/MeV
10^{0}
10^{-2}
0
20
40
E_γ (MeV)
0
50
100
150
200
E_n (MeV)

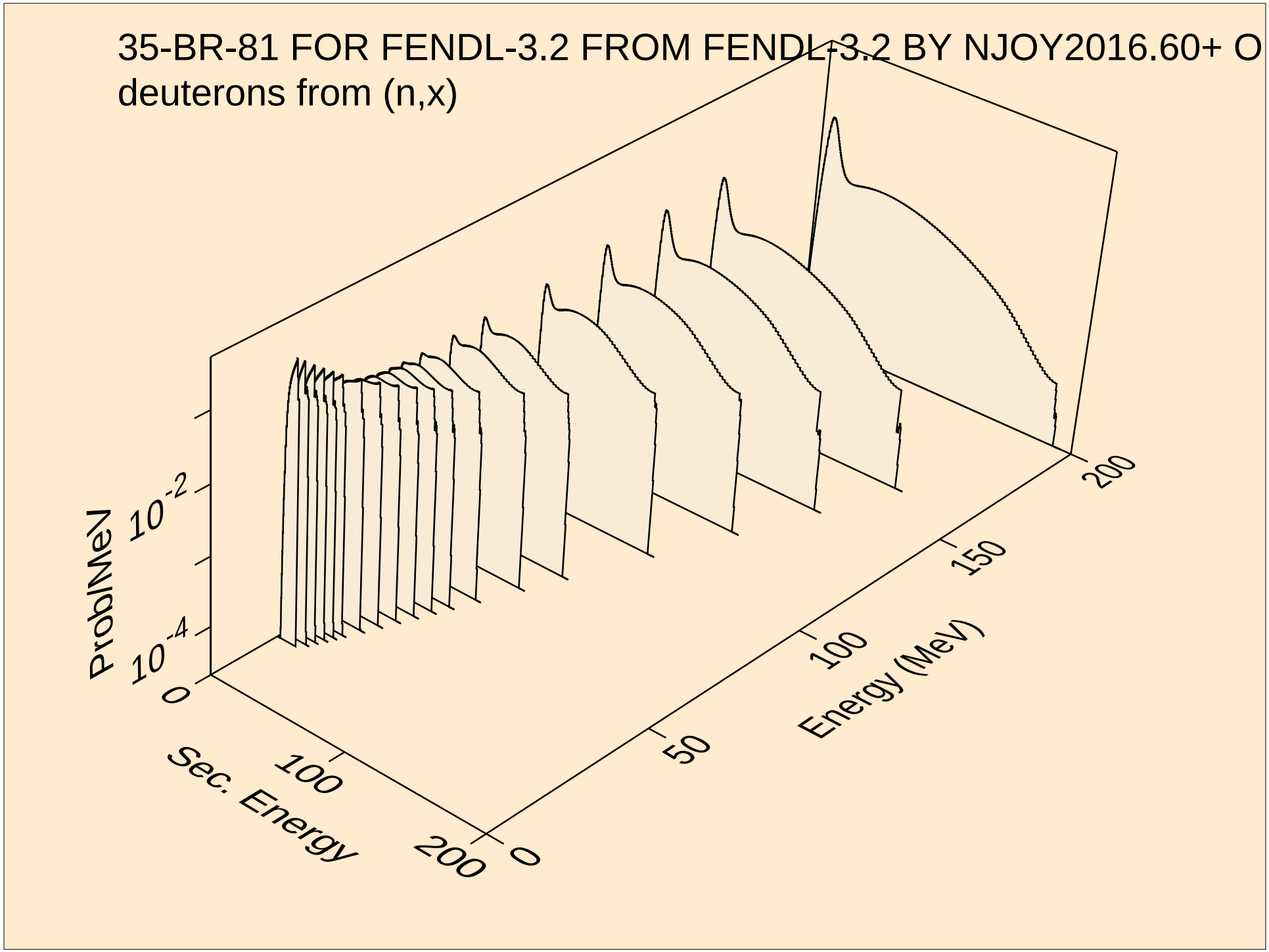

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
0
5
10
15
Gamma Energy (MeV)

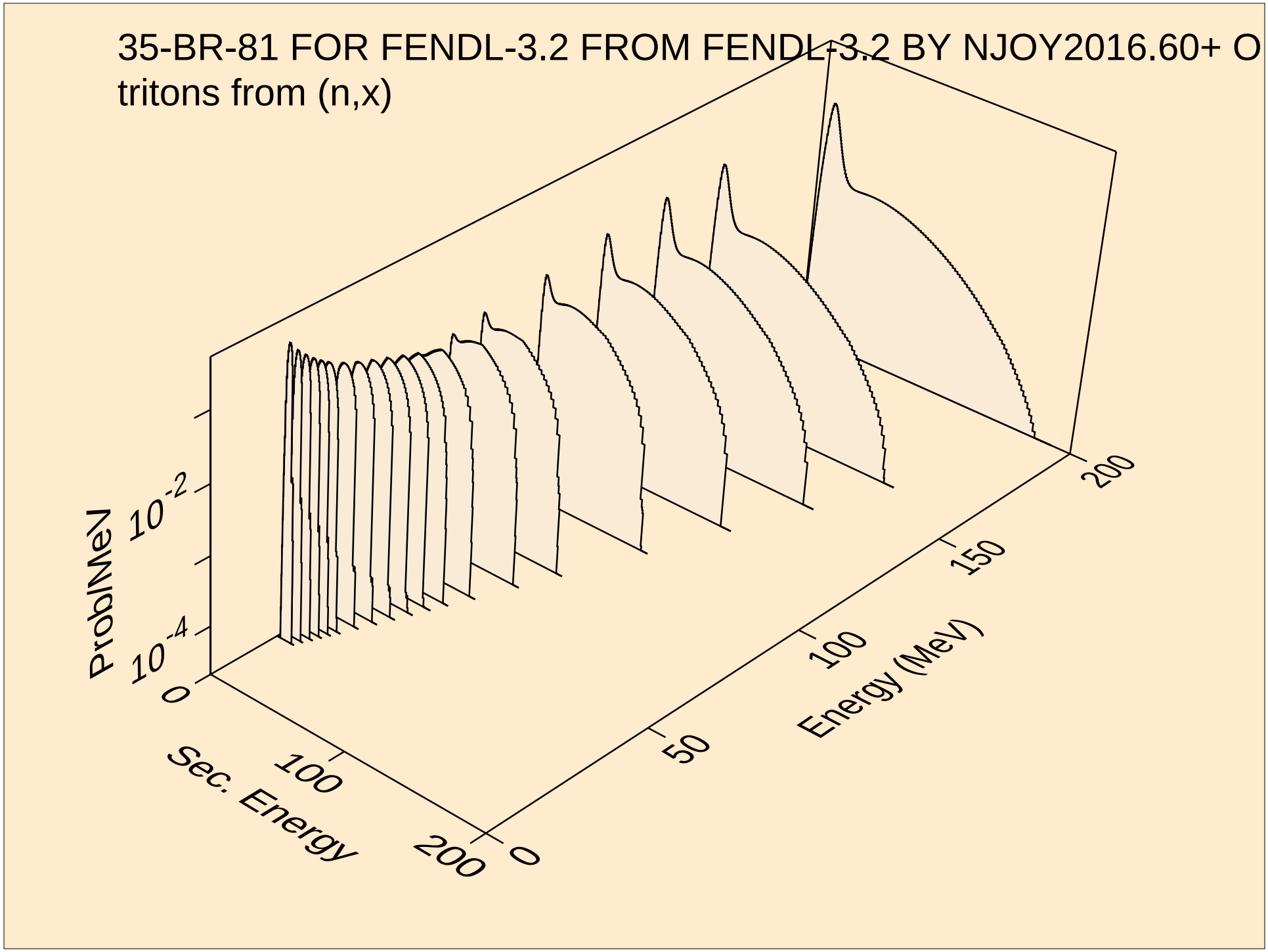

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Particle heating contributions
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
2
4
6
8
10
12
14
20
40
60
80
100
120
140
160
180
200

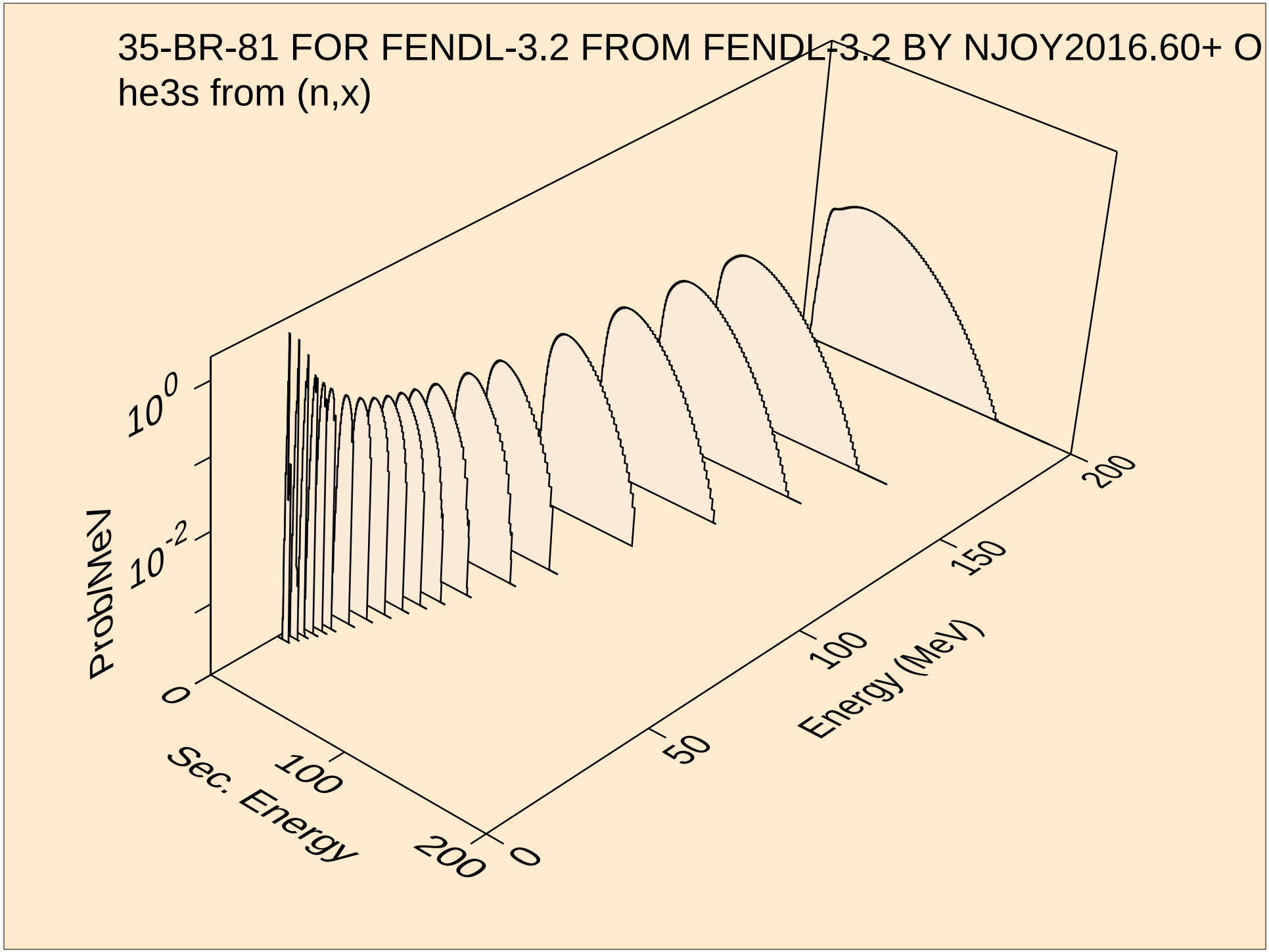

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
0
50
100
150
200

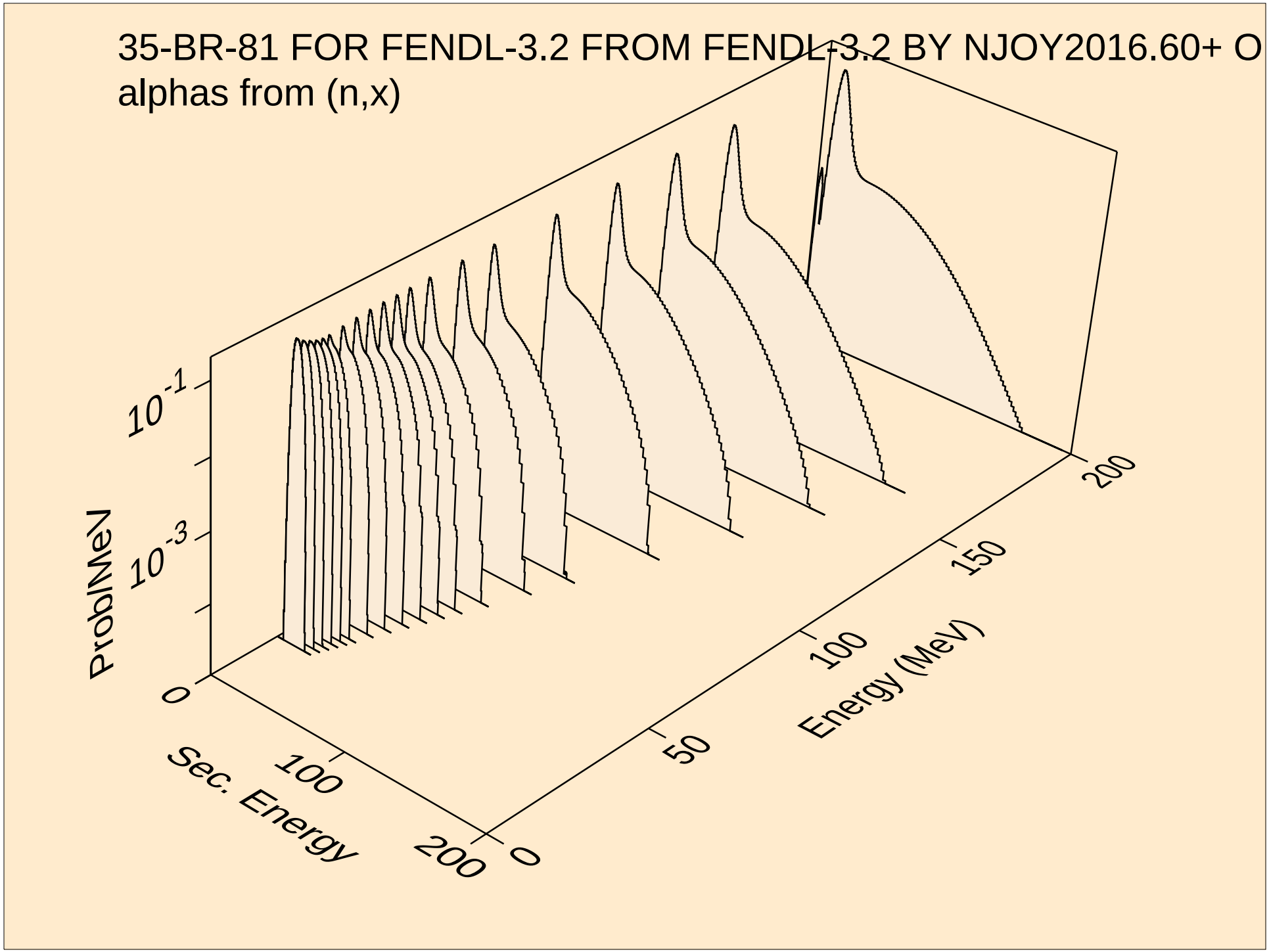

35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
Particle production cross sections
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
20
40
60
80
100
120
140
160
180
200
protons
deuterons
tritons
he-3
alphas


35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
protons from (n,x)
Prob/MeV
10-1
10-3
10-5
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)


35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
deuterons from (n,x)
Prob/MeV
10-2
10-4
0
100
200
Sec. Energy
0
50
100
150
200
Energy (MeV)


35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
tritons from (n,x)
Prob/MeV
10-2
10-4
0
Sec. Energy
100
200
0
50
100
150
200
Energy (MeV)


35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
he3s from (n,x)
Prob/MeV
10^0
10^-2
0
Sec. Energy
100
200
0
50
100
Energy (MeV)
150
200


35-BR-81 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ O
alphas from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
100
200
0
50
100
Energy (MeV)
150
200