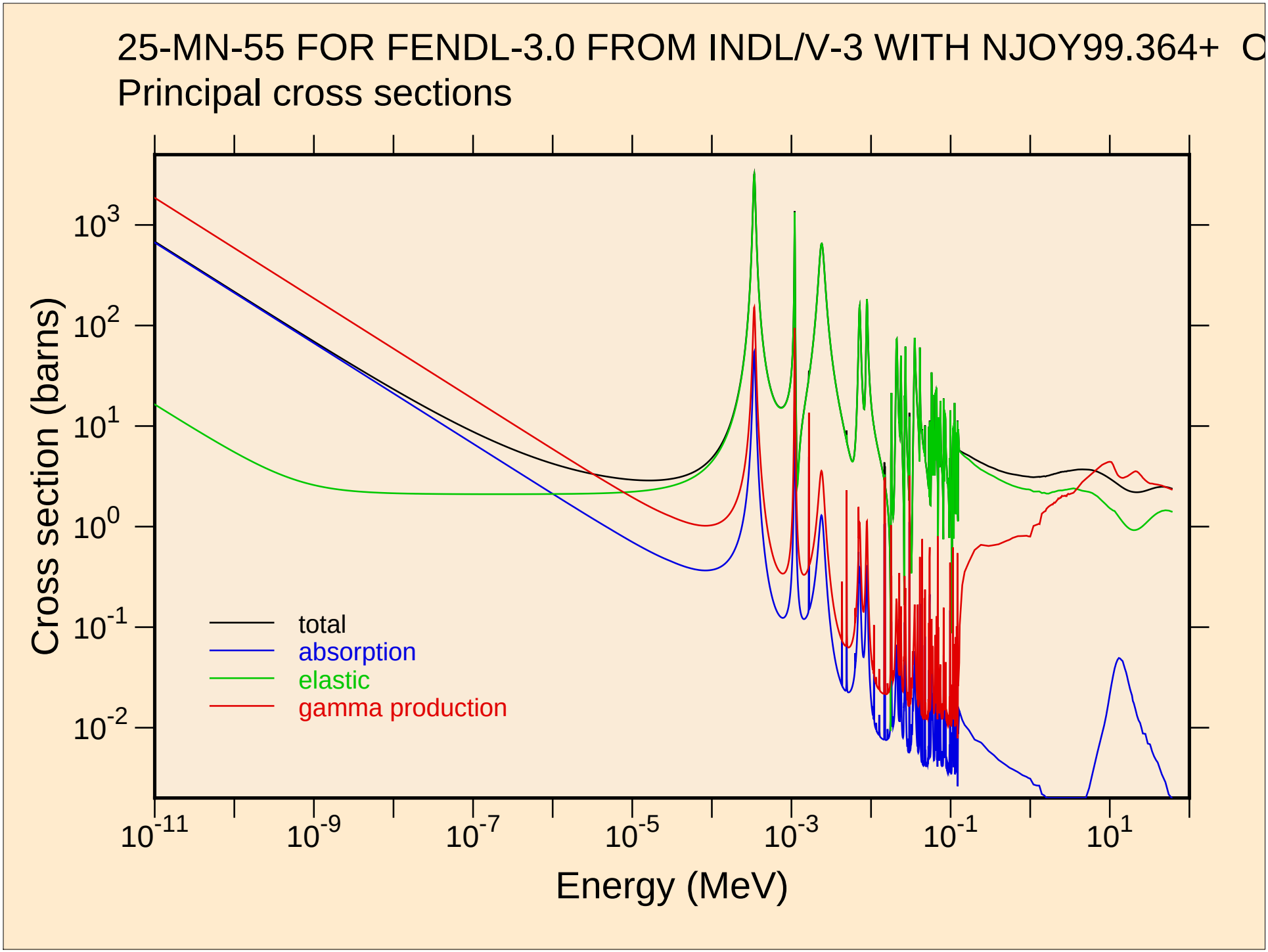
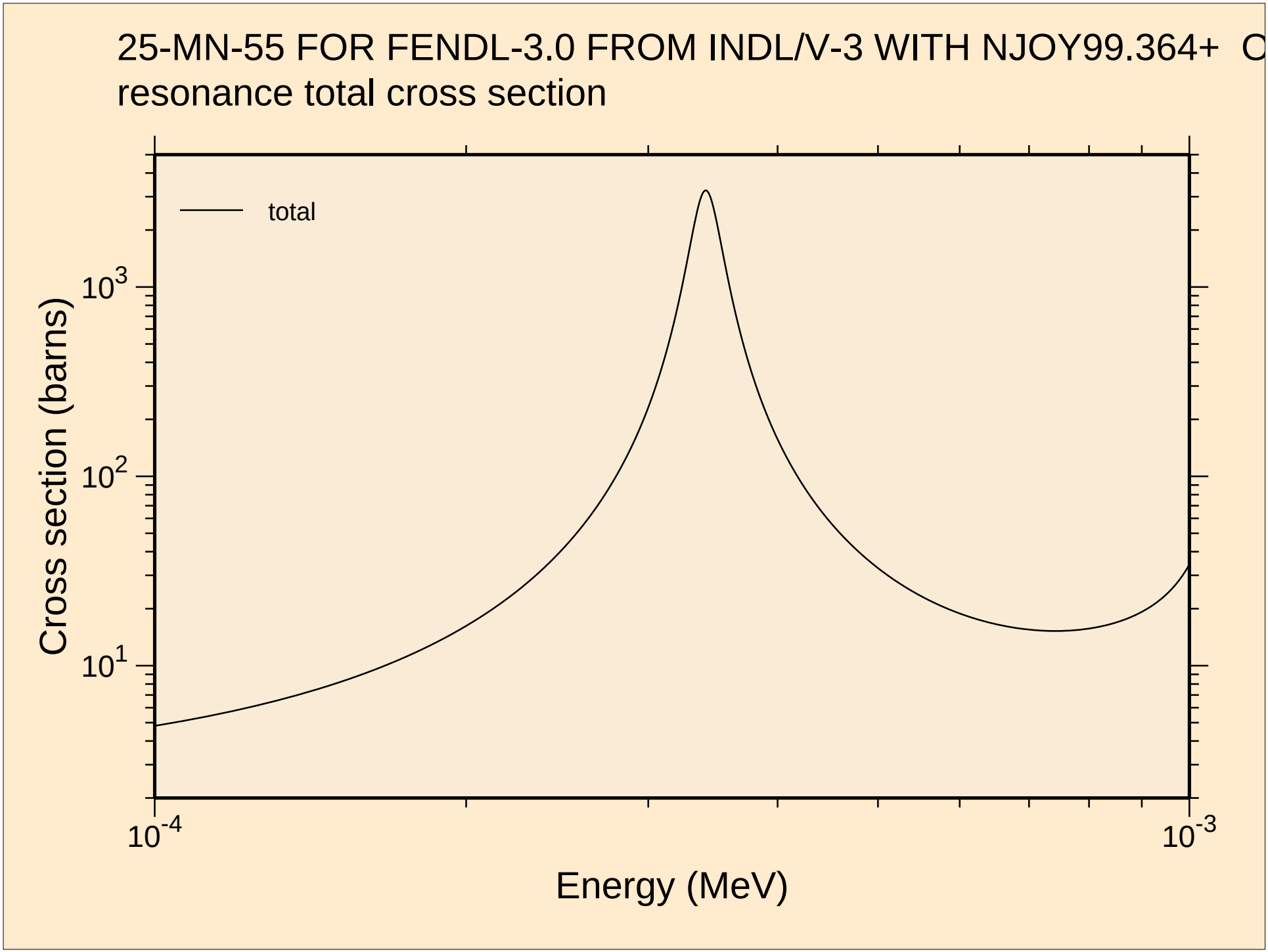
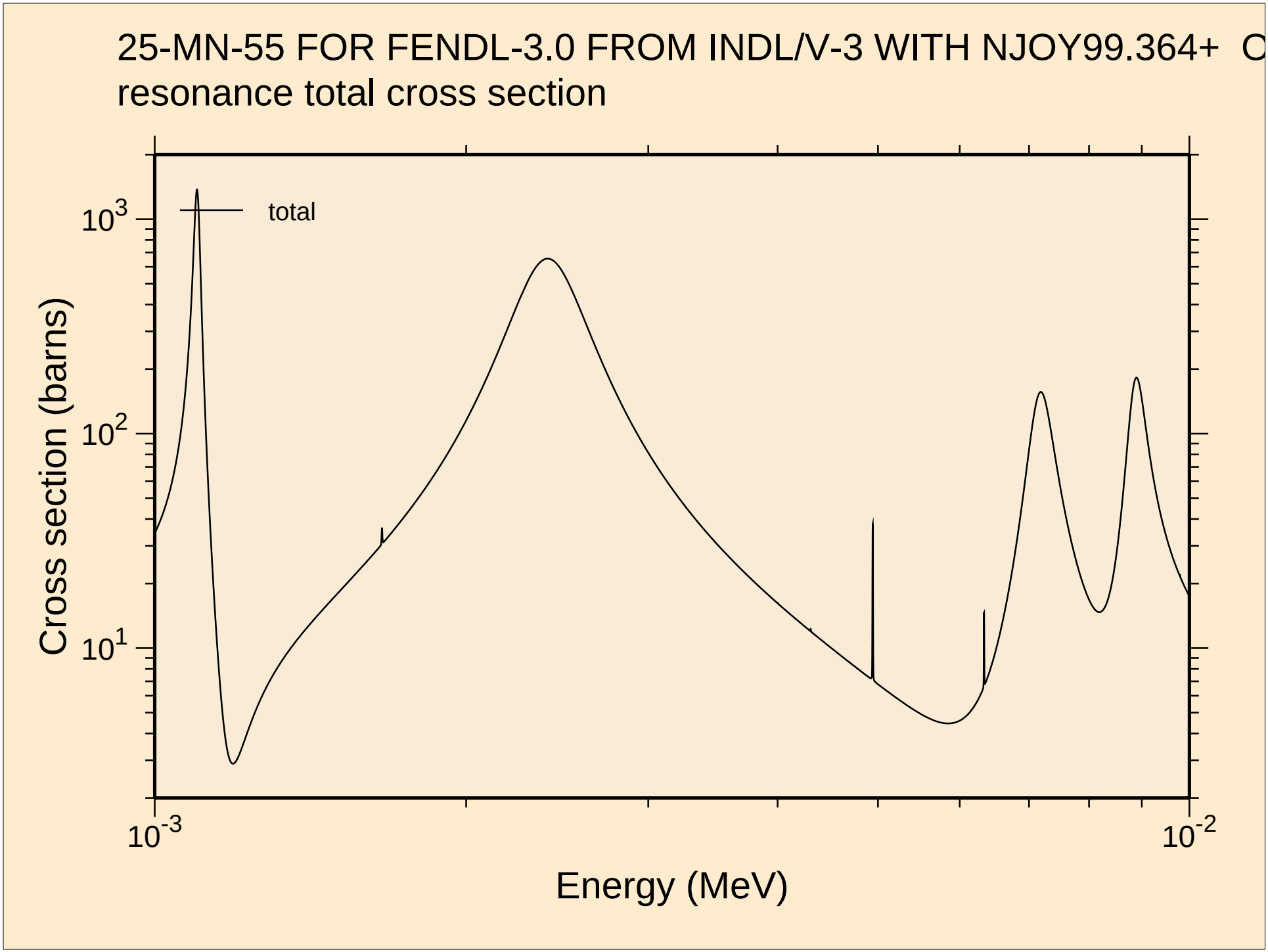
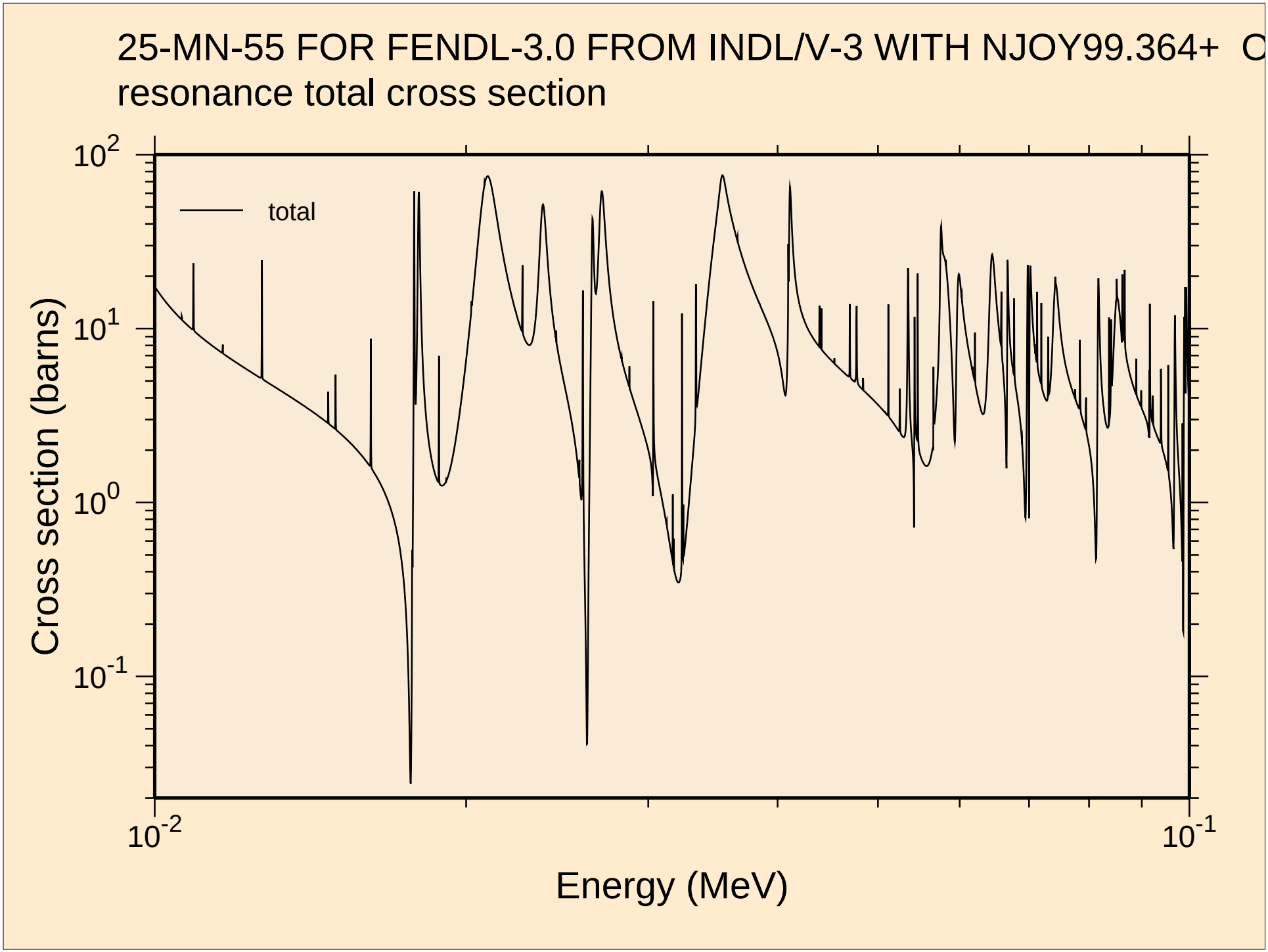
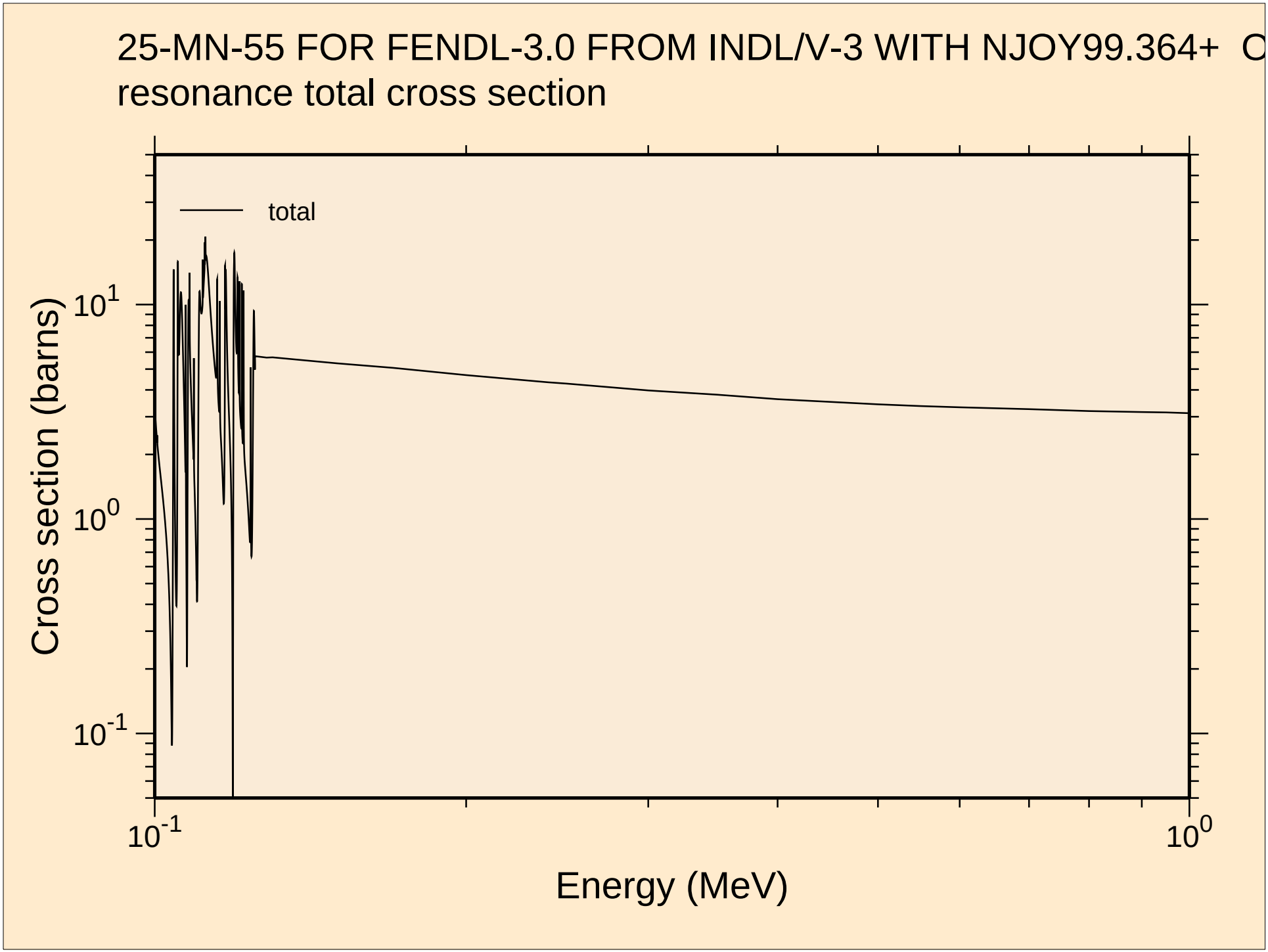
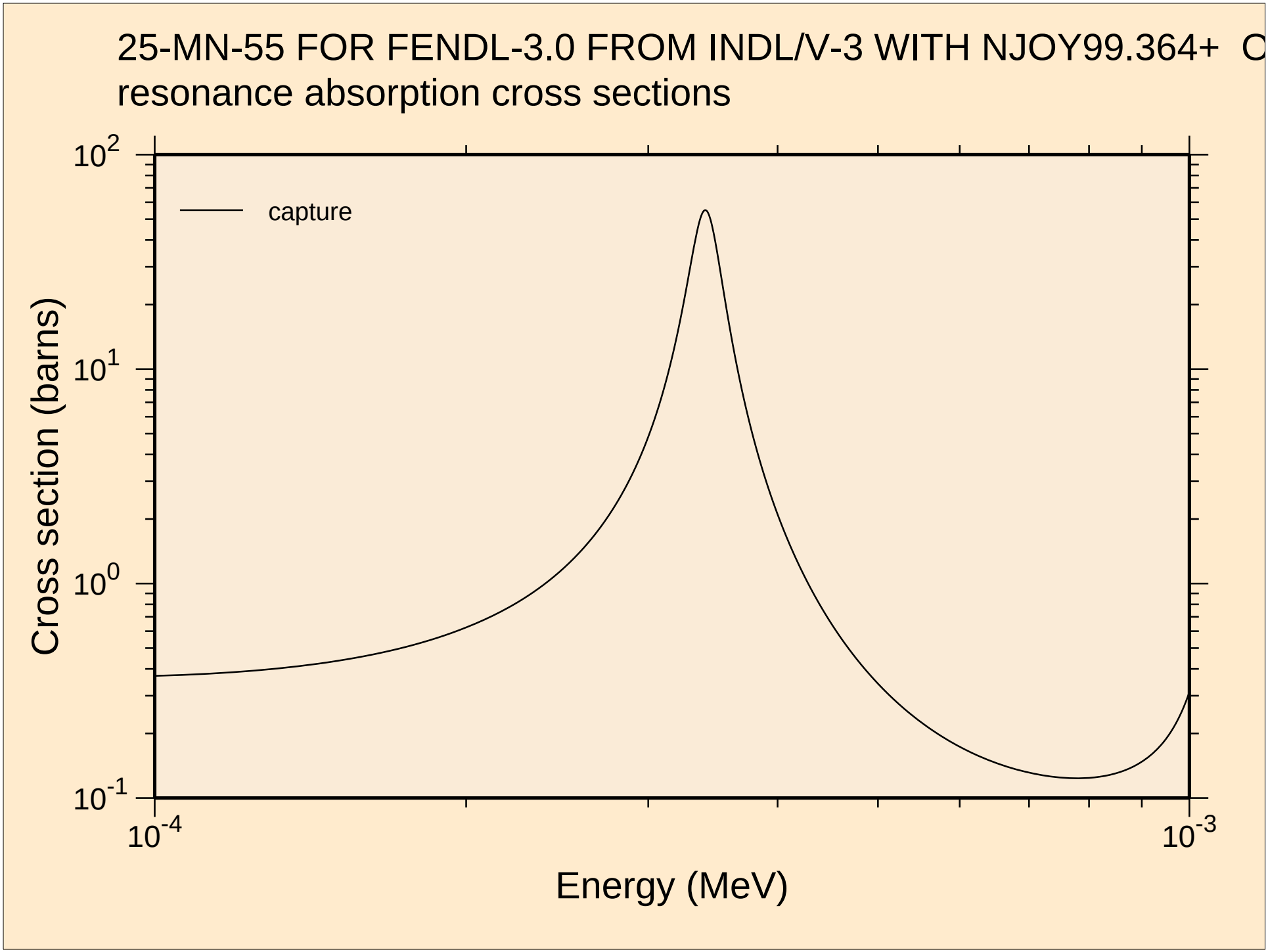

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Principal cross sections
Cross section (barns)
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
total
absorption
elastic
gamma production
10^{-11}
10^{-9}
10^{-7}
10^{-5}
10^{-3}
10^{-1}
10^{1}
Energy (MeV)

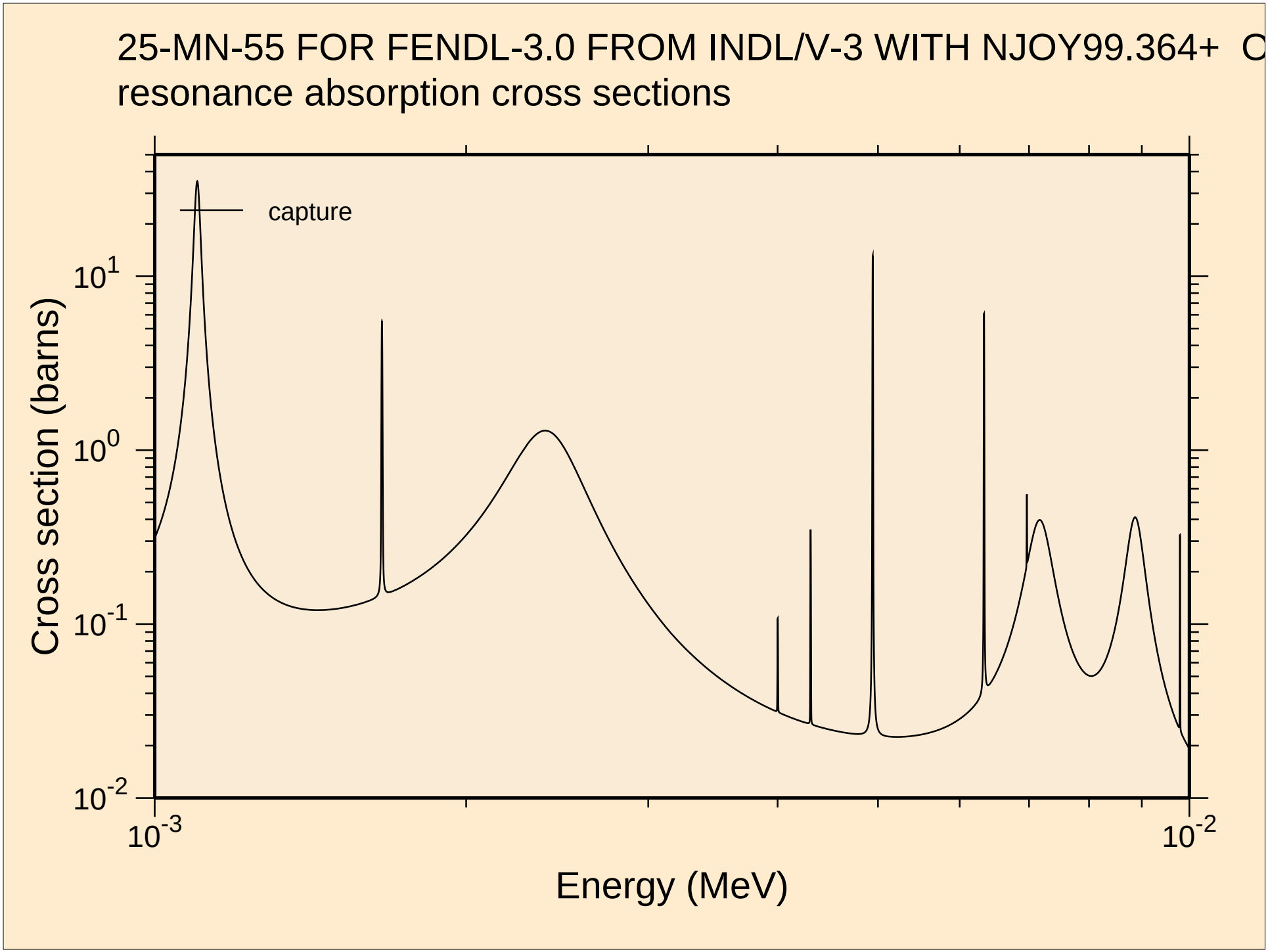

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^-4
10^-3
Energy (MeV)

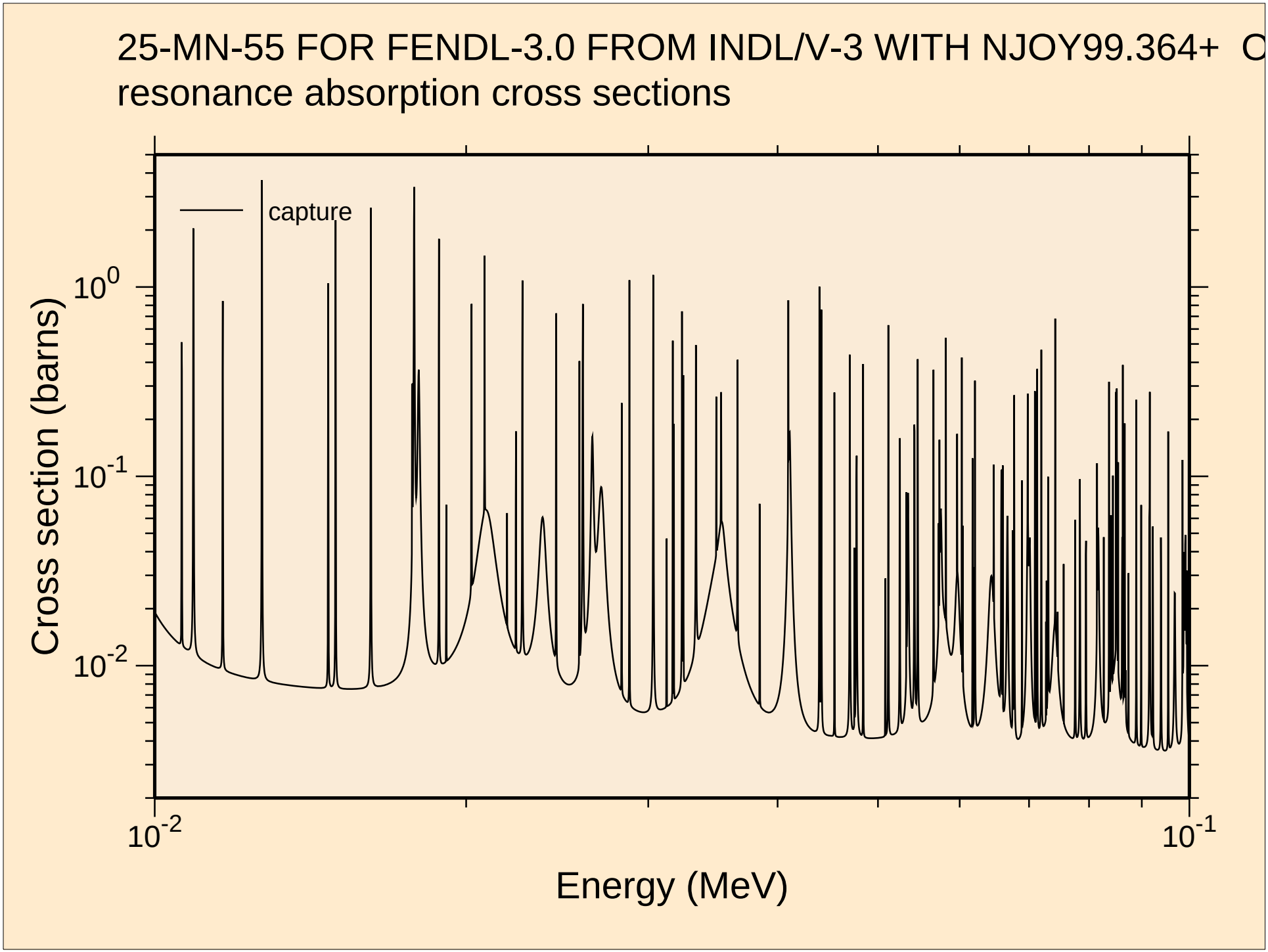

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^-3
10^-2
Energy (MeV)

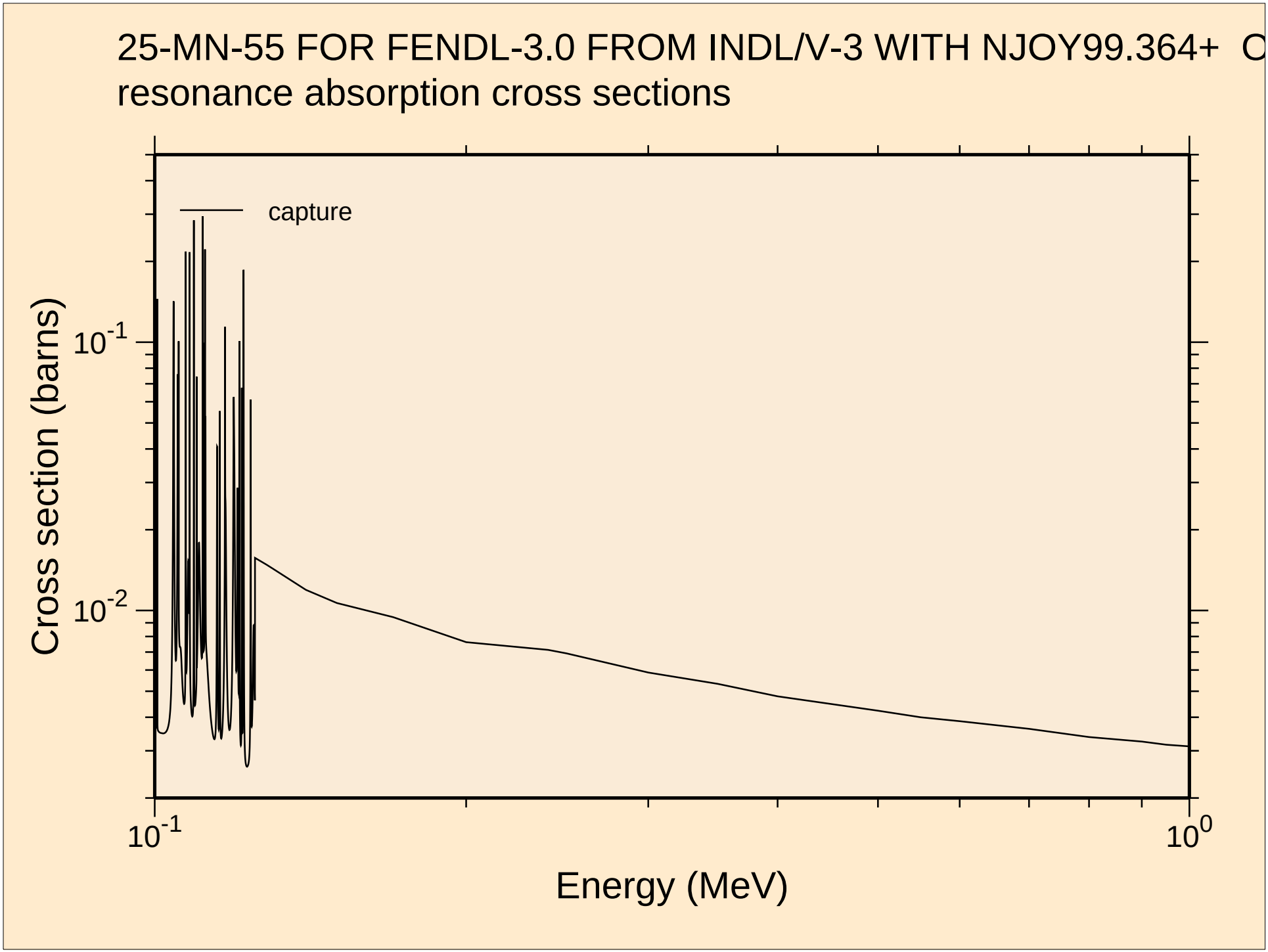

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance total cross section
total
Cross section (barns)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-1}
Energy (MeV)

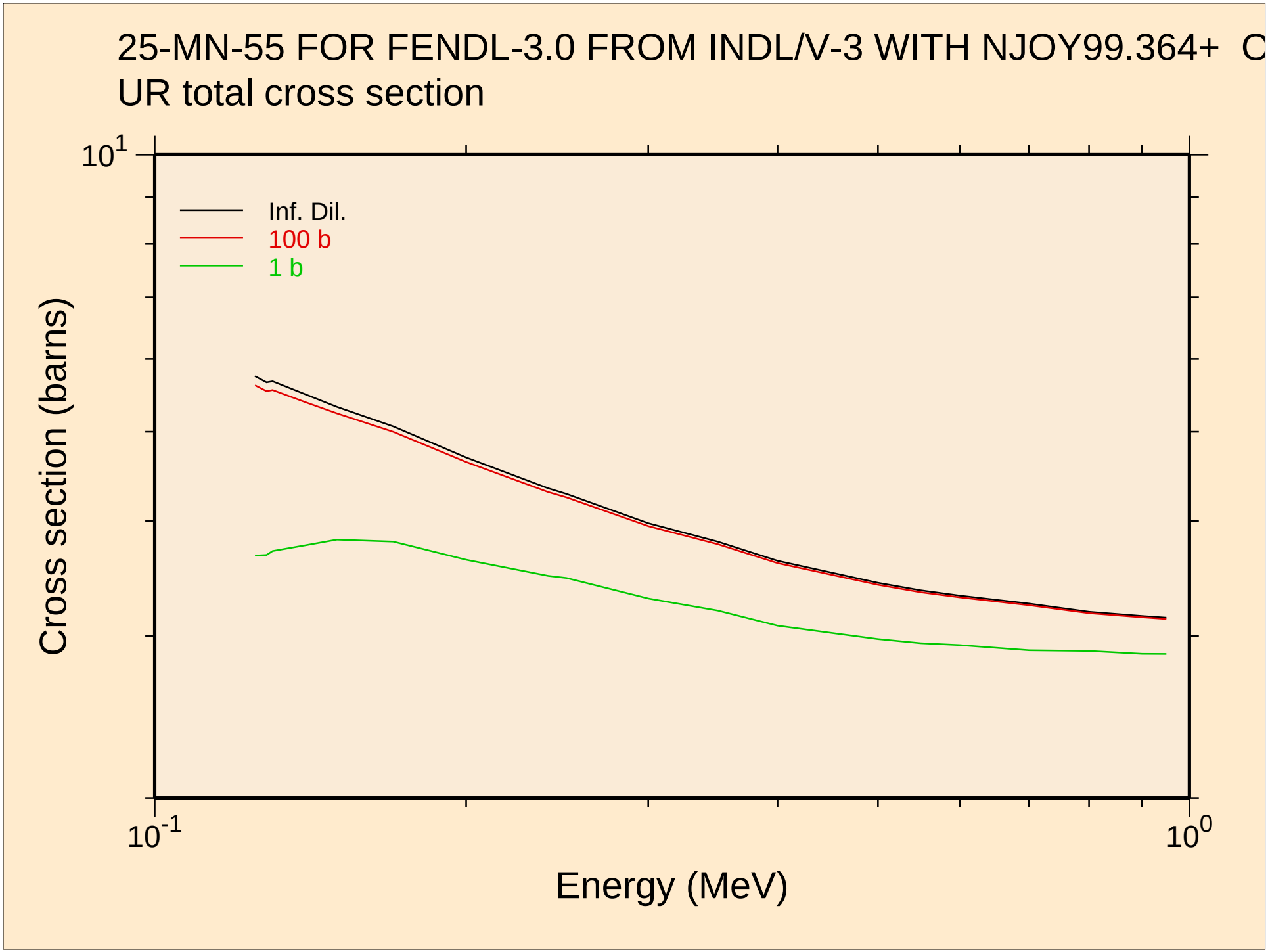

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance total cross section
total
Cross section (barns)
10^1
10^0
10^-1
10^-1
10^0
Energy (MeV)

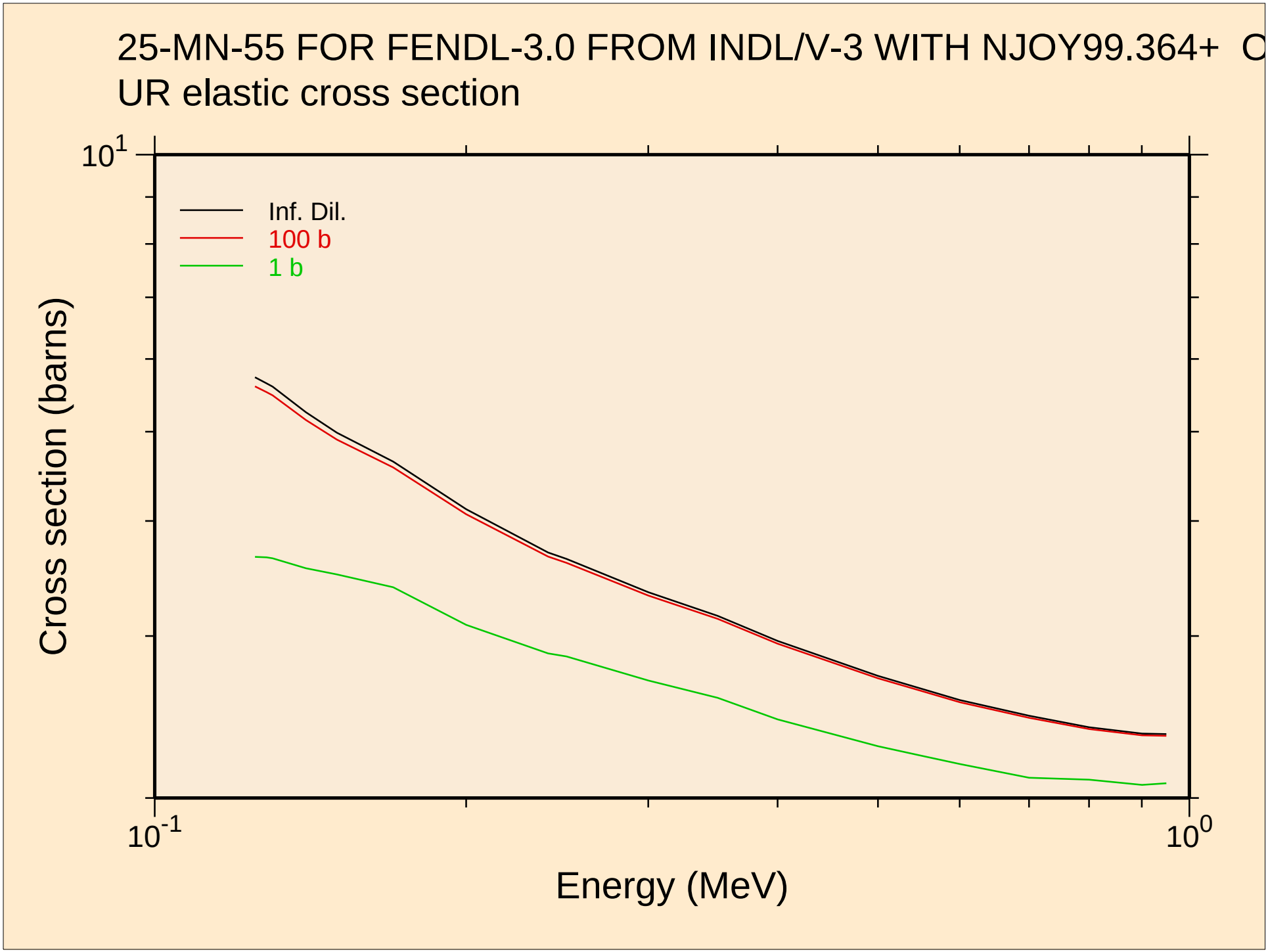

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance absorption cross sections
capture
Cross section (barns)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-4}
10^{-3}
Energy (MeV)

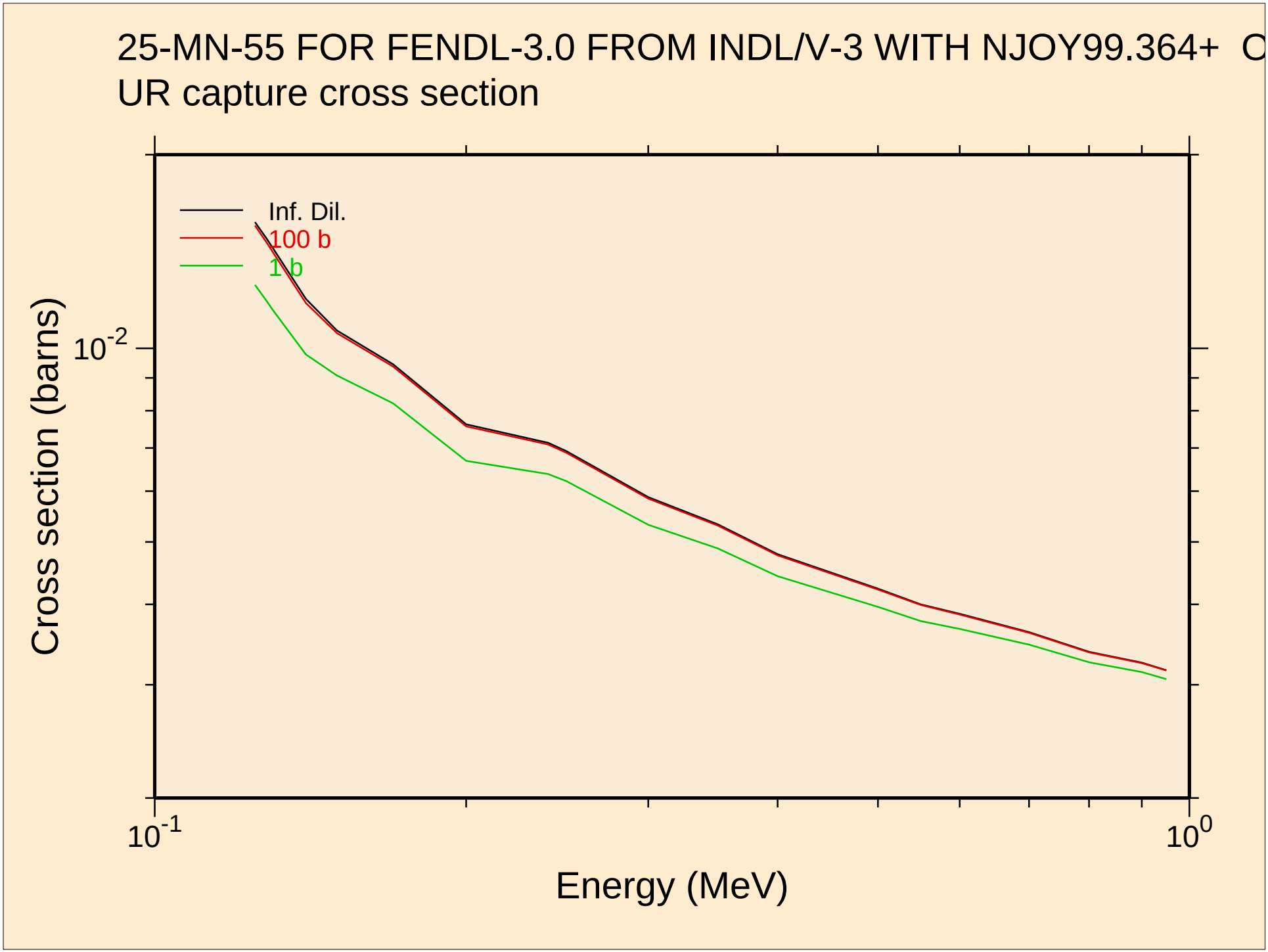

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance absorption cross sections
capture
Cross section (barns)
10^1
10^0
10^-1
10^-2
10^-3
10^-2
Energy (MeV)

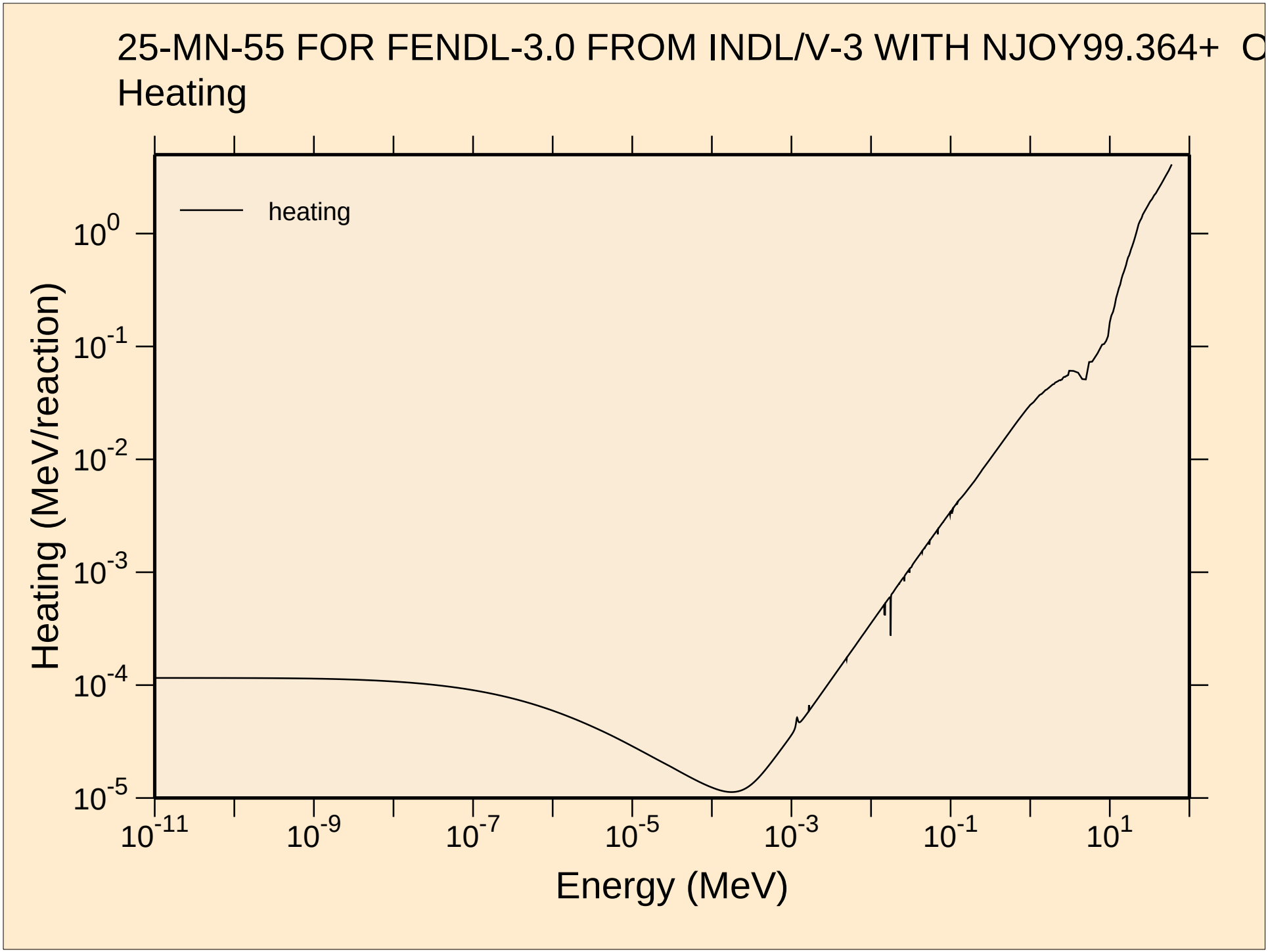

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance absorption cross sections
capture
Cross section (barns)
10^0
10^-1
10^-2
10^-2
10^-1
Energy (MeV)

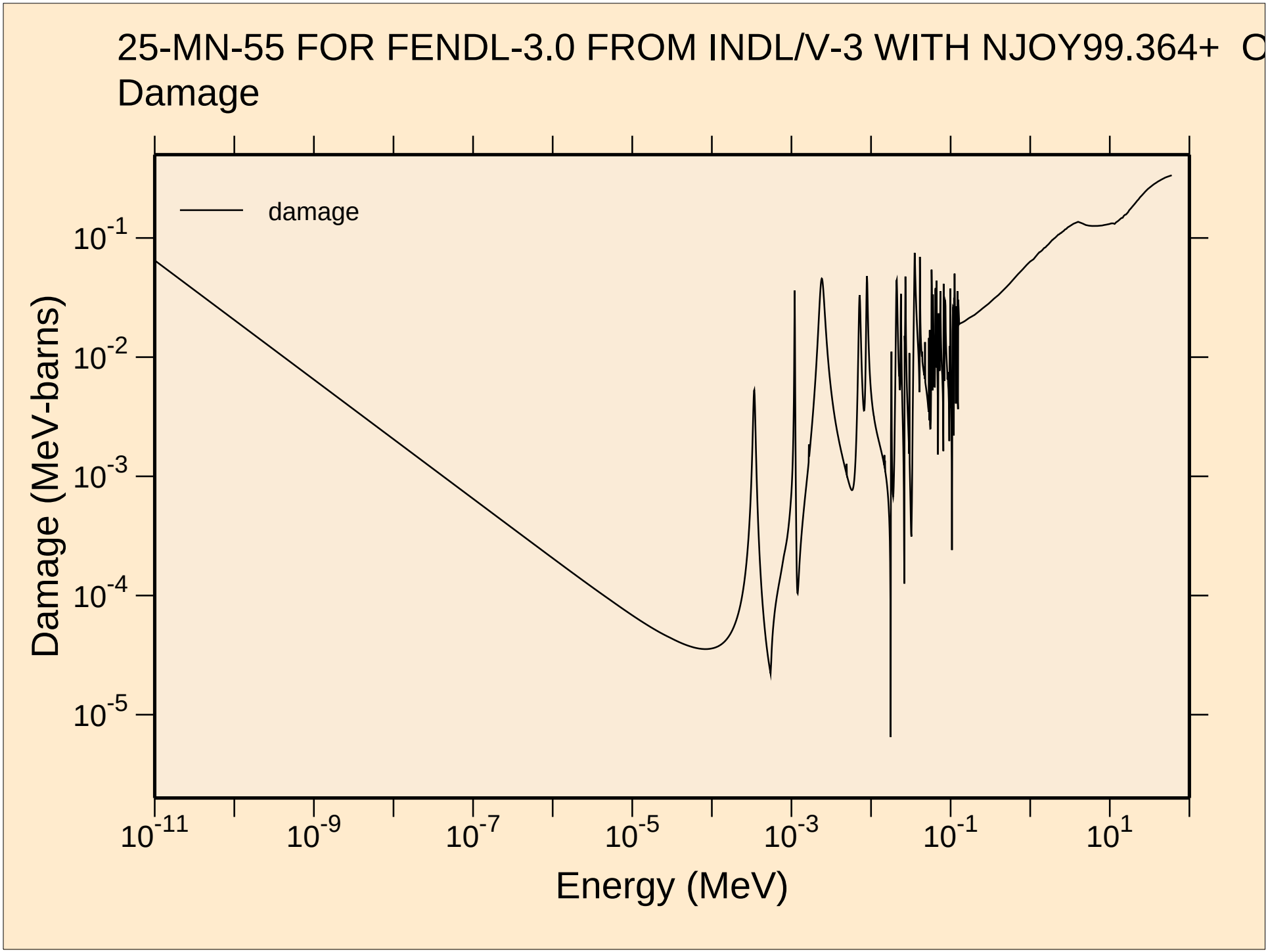

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
resonance absorption cross sections
capture
Cross section (barns)
10-1
10-2
10-1
100
Energy (MeV)

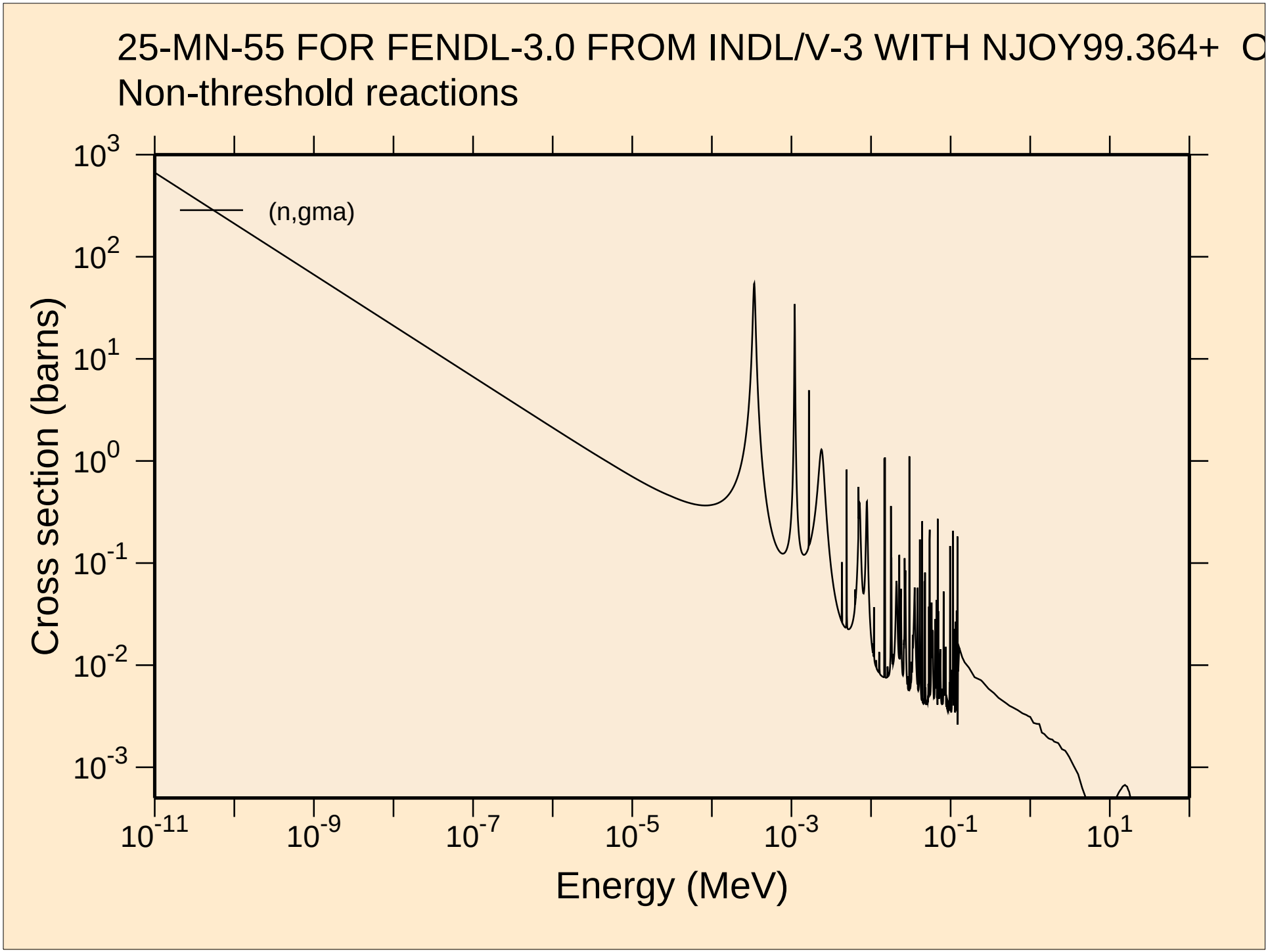

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
UR total cross section
10^1
Inf. Dil.
100 b
1 b
Cross section (barns)
10^{-1}
10^0
Energy (MeV)

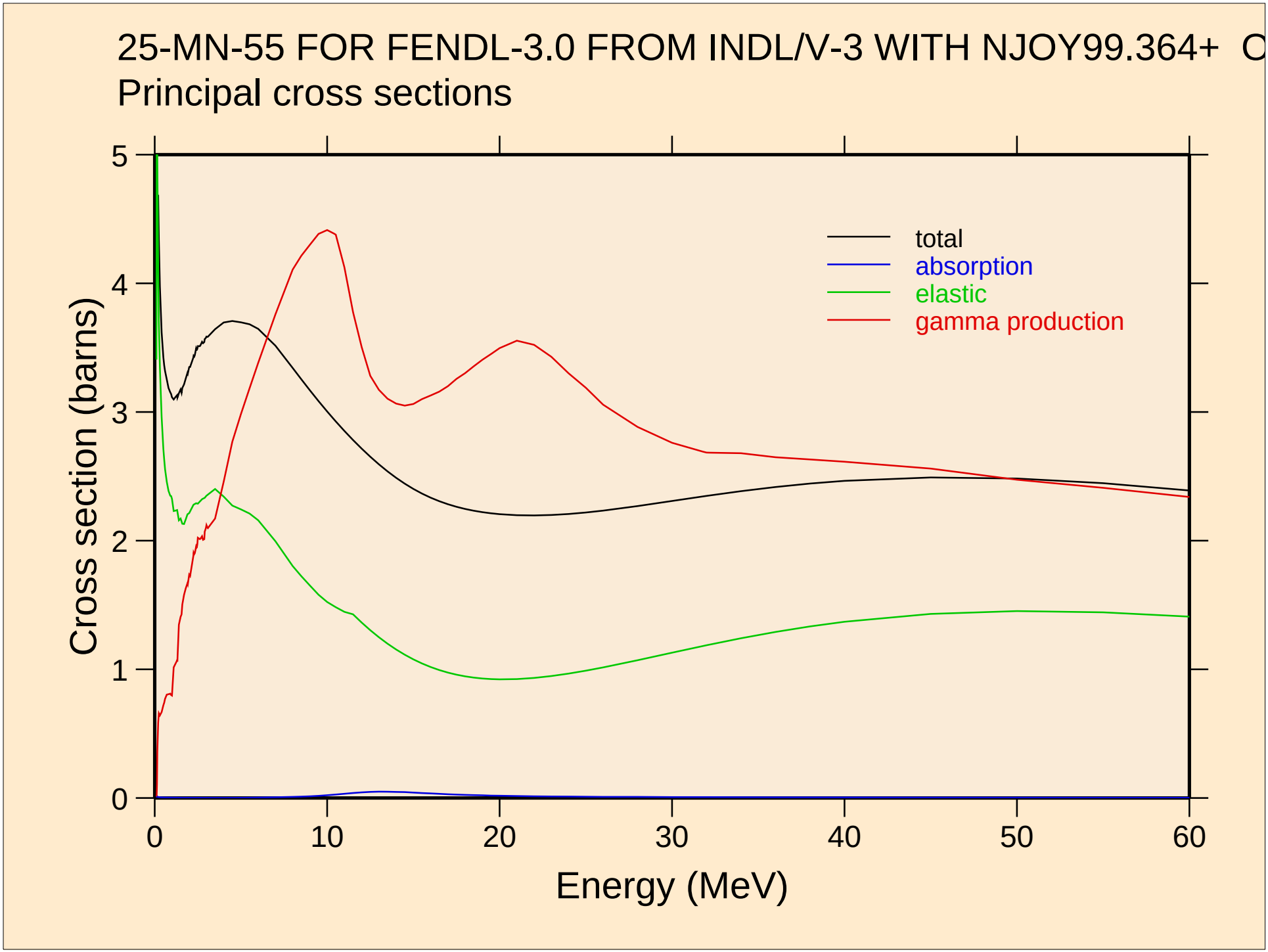

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
UR elastic cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
Energy (MeV)
10^1
10^-1
10^0

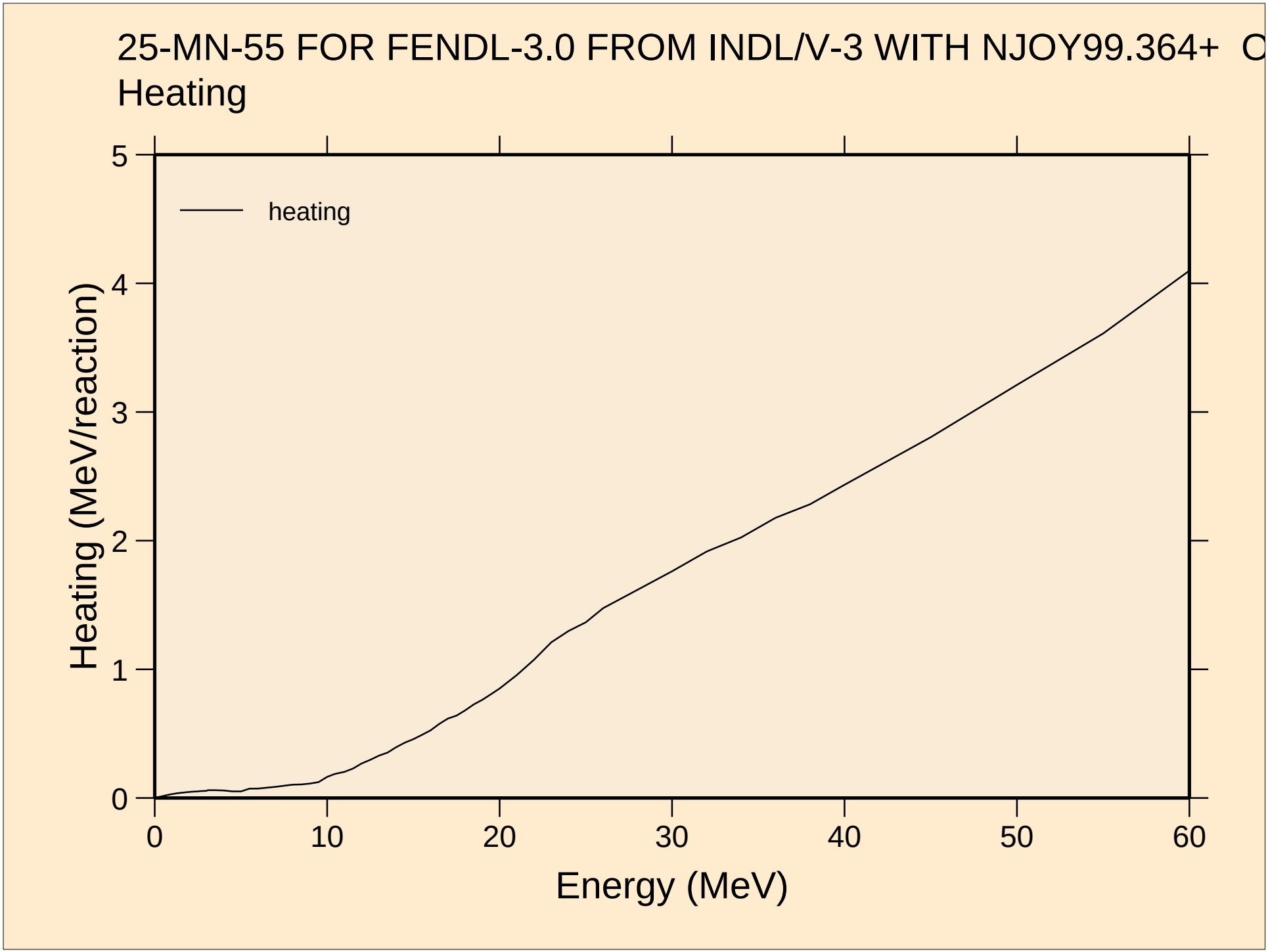

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
UR capture cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10-2
10-1
100
Energy (MeV)

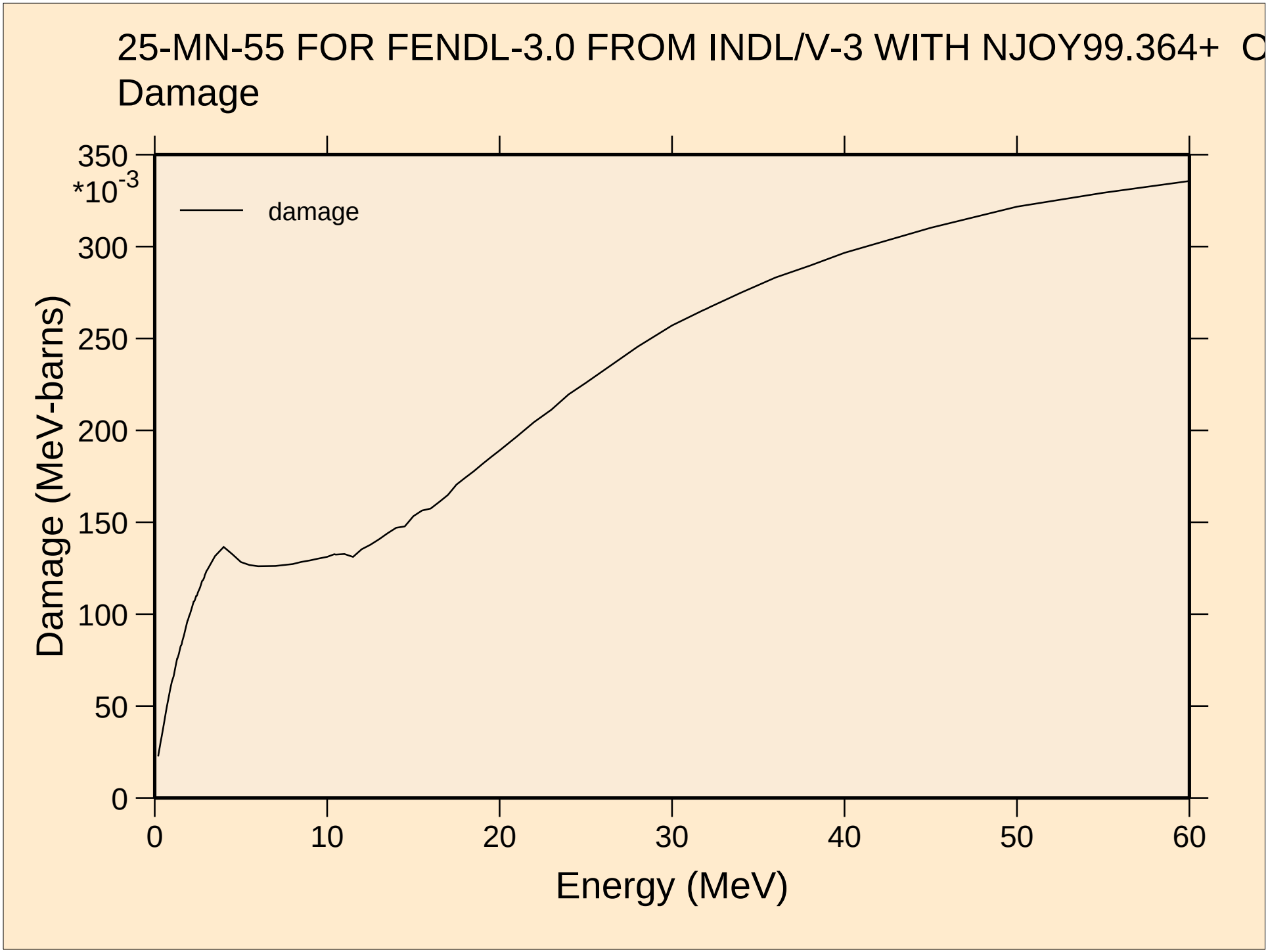

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1
Energy (MeV)

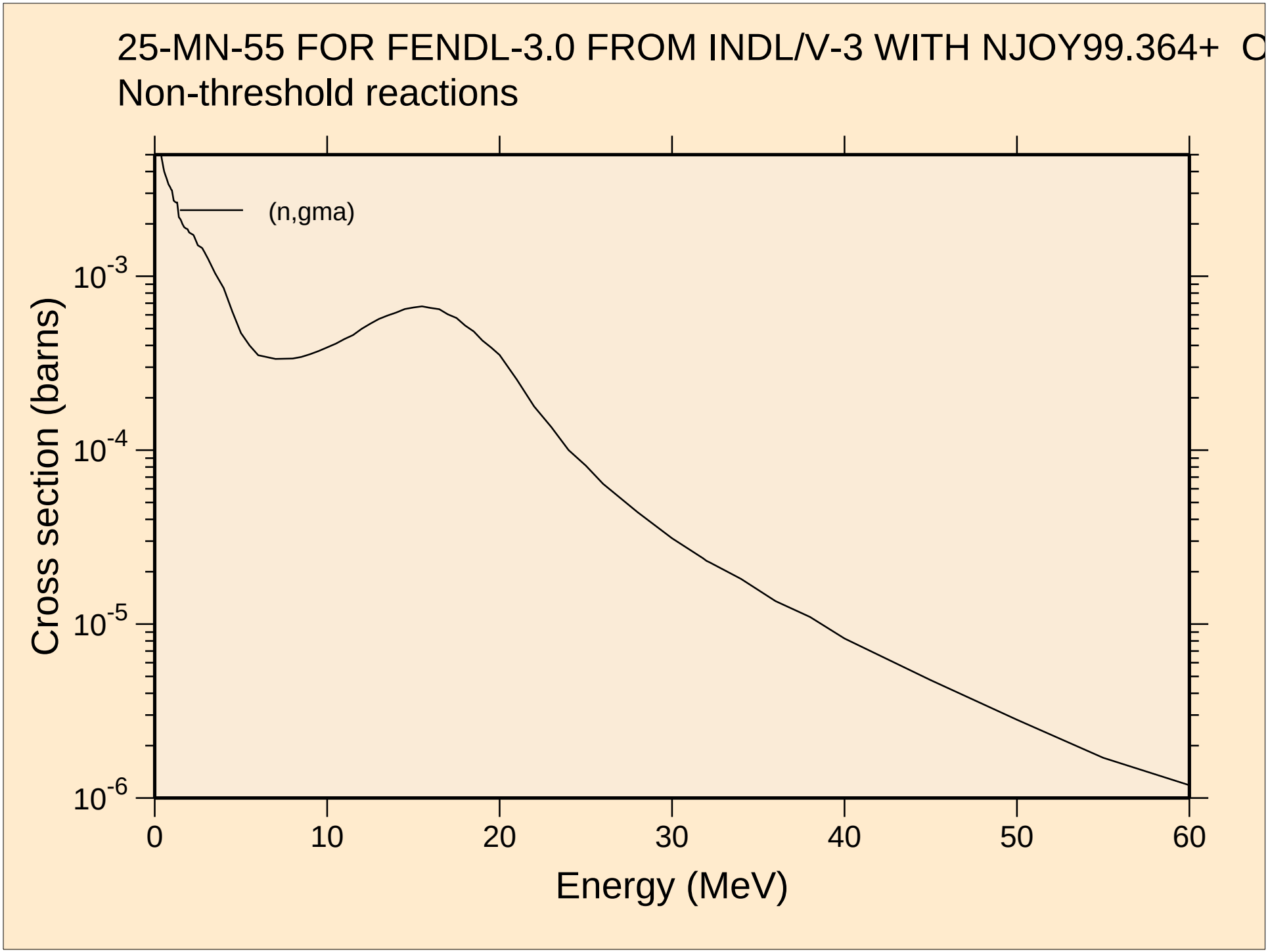

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Damage
damage
Damage (MeV-barns)
10-1
10-2
10-3
10-4
10-5
10-11
10-9
10-7
10-5
10-3
10-1
101
Energy (MeV)

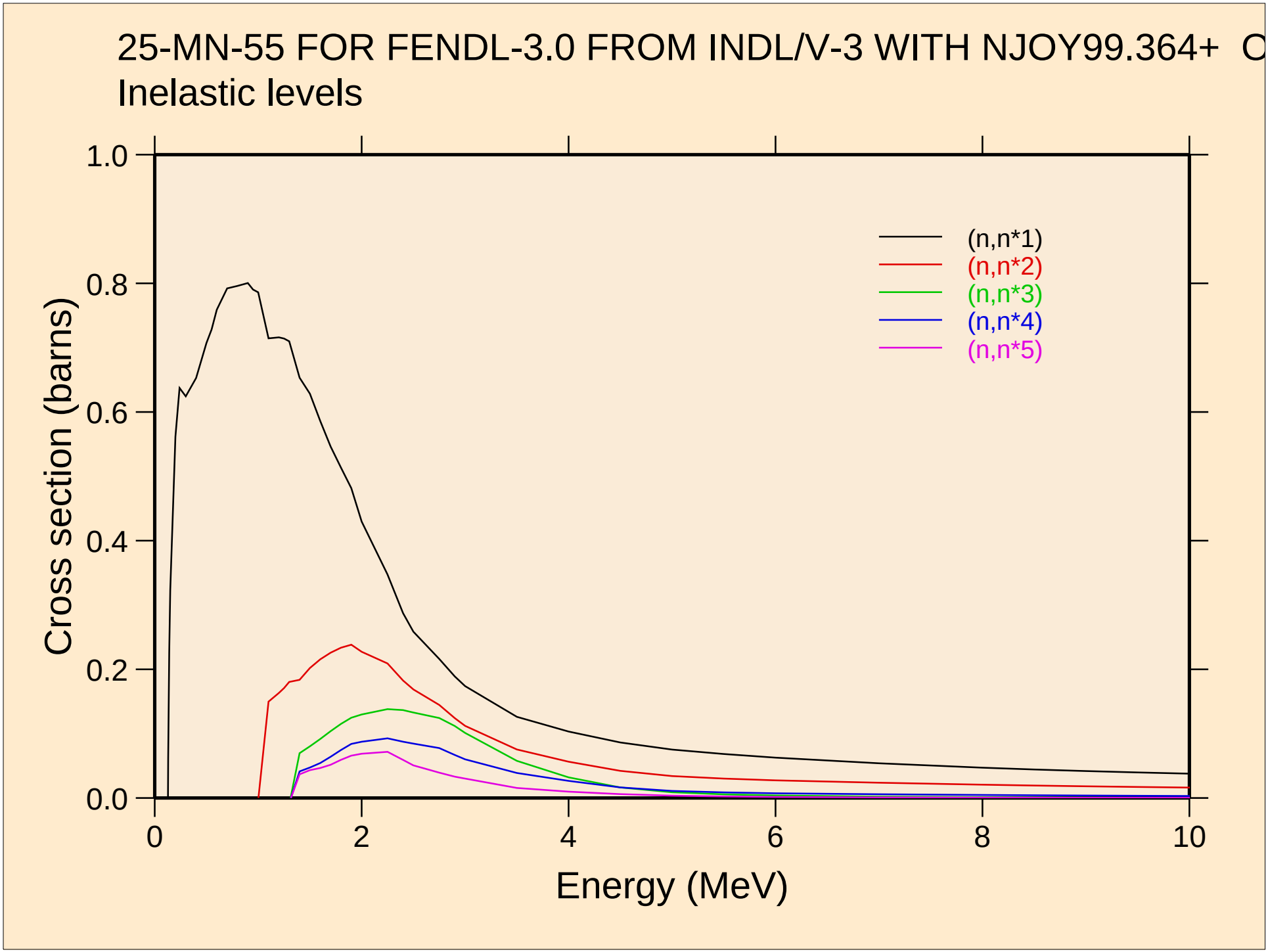

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Non-threshold reactions
(n,gma)
Cross section (barns)
Energy (MeV)
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-11
10^-9
10^-7
10^-5
10^-3
10^-1
10^1

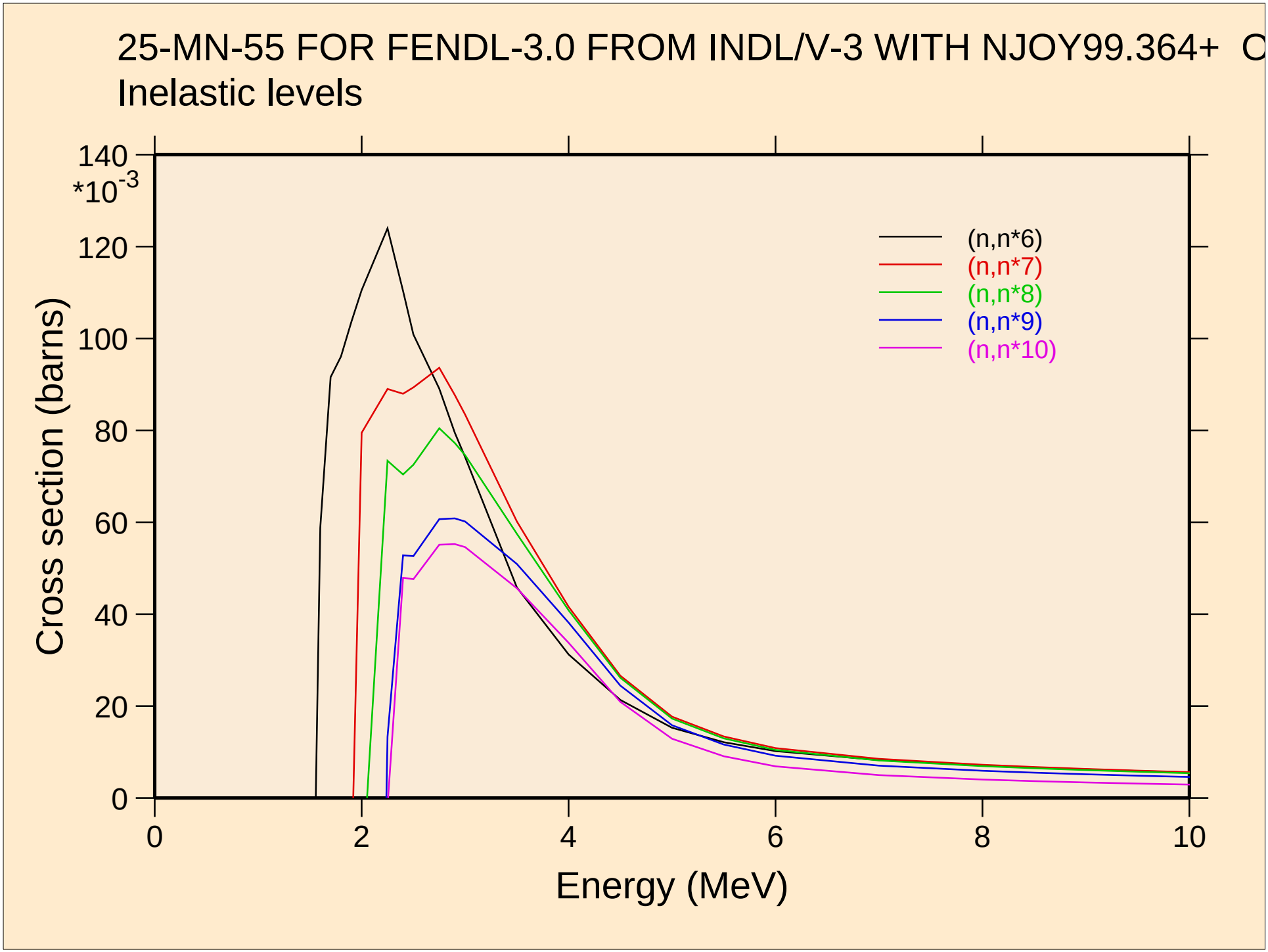

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Principal cross sections
Cross section (barns)
Energy (MeV)
0
1
2
3
4
5
0
10
20
30
40
50
60
total
absorption
elastic
gamma production

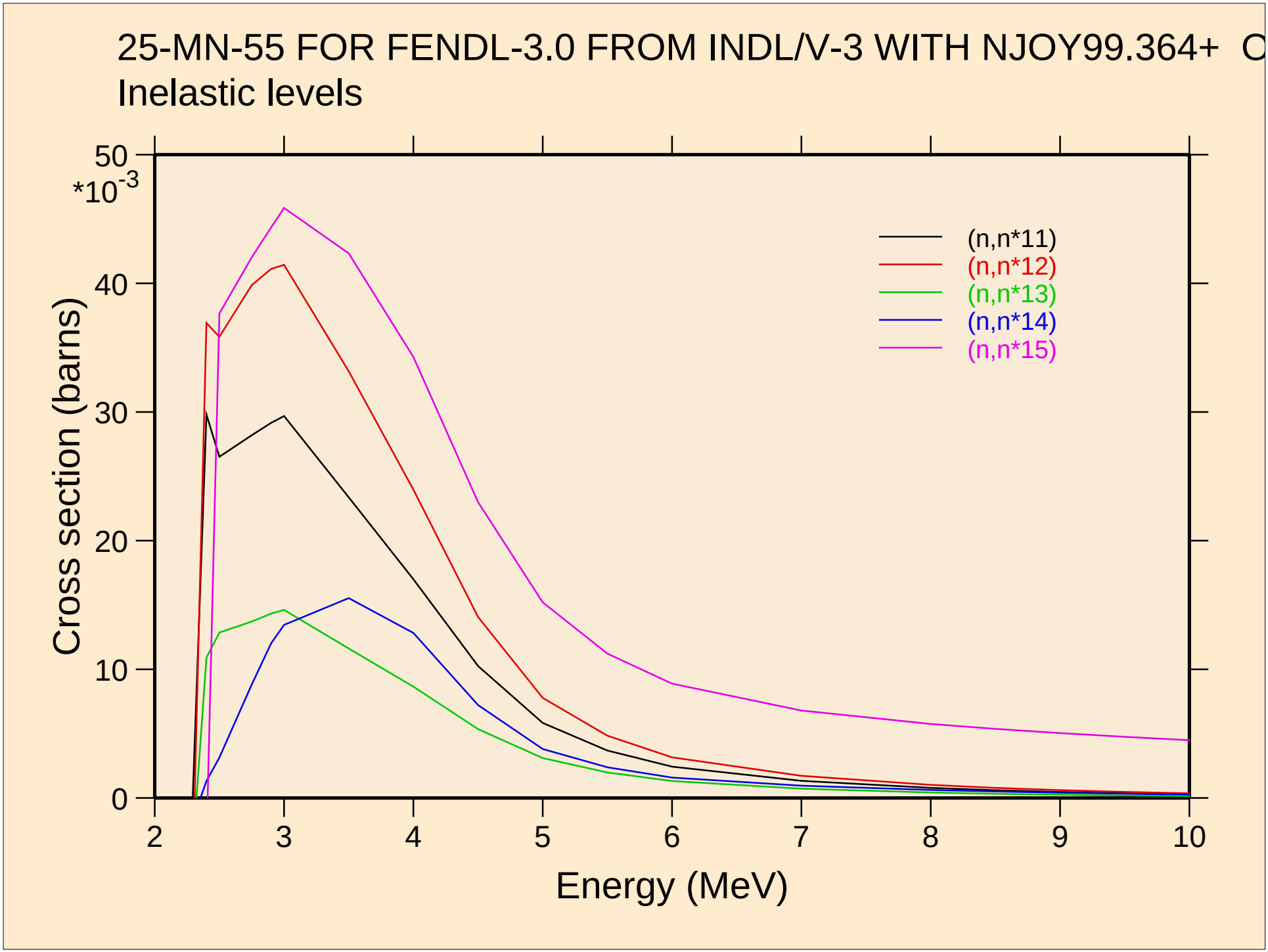

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
1
2
3
4
5
0
10
20
30
40
50
60

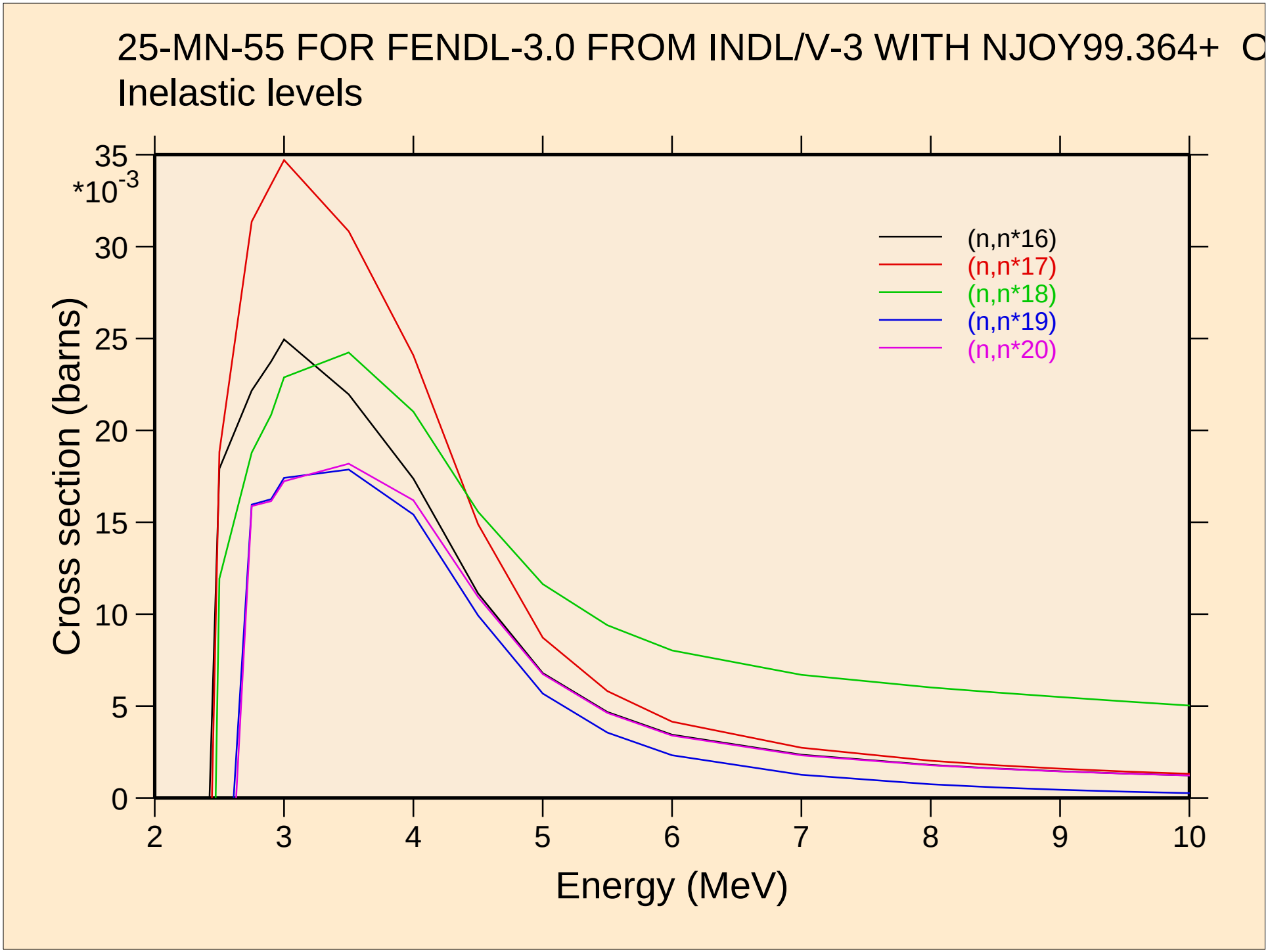

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Damage
*10-3
damage
Damage (MeV-barns)
350
300
250
200
150
100
50
0
0
10
20
30
40
50
60
Energy (MeV)

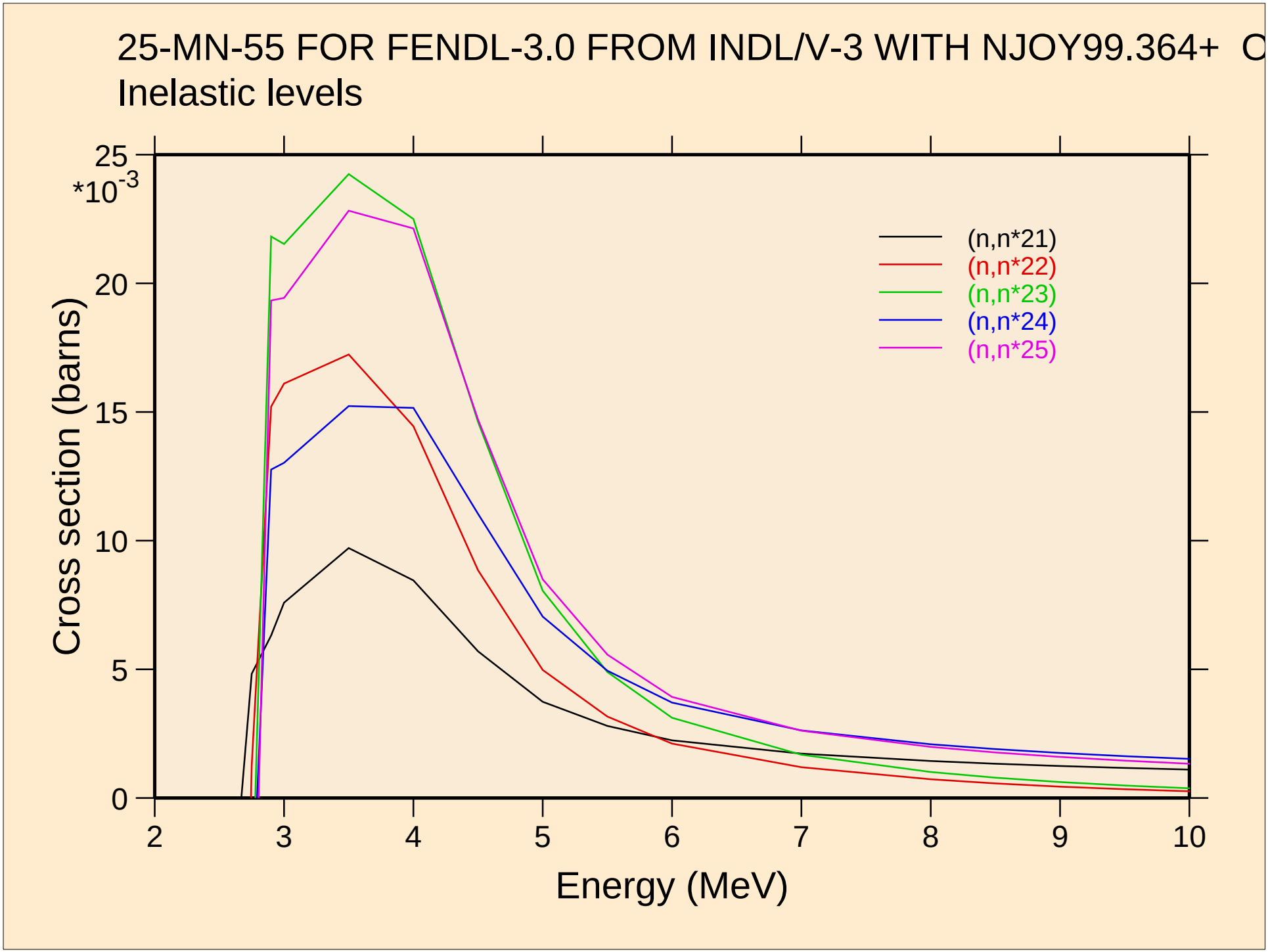

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Non-threshold reactions
(n,gma)
Cross section (barns)
10-3
10-4
10-5
10-6
0
10
20
30
40
50
60
Energy (MeV)

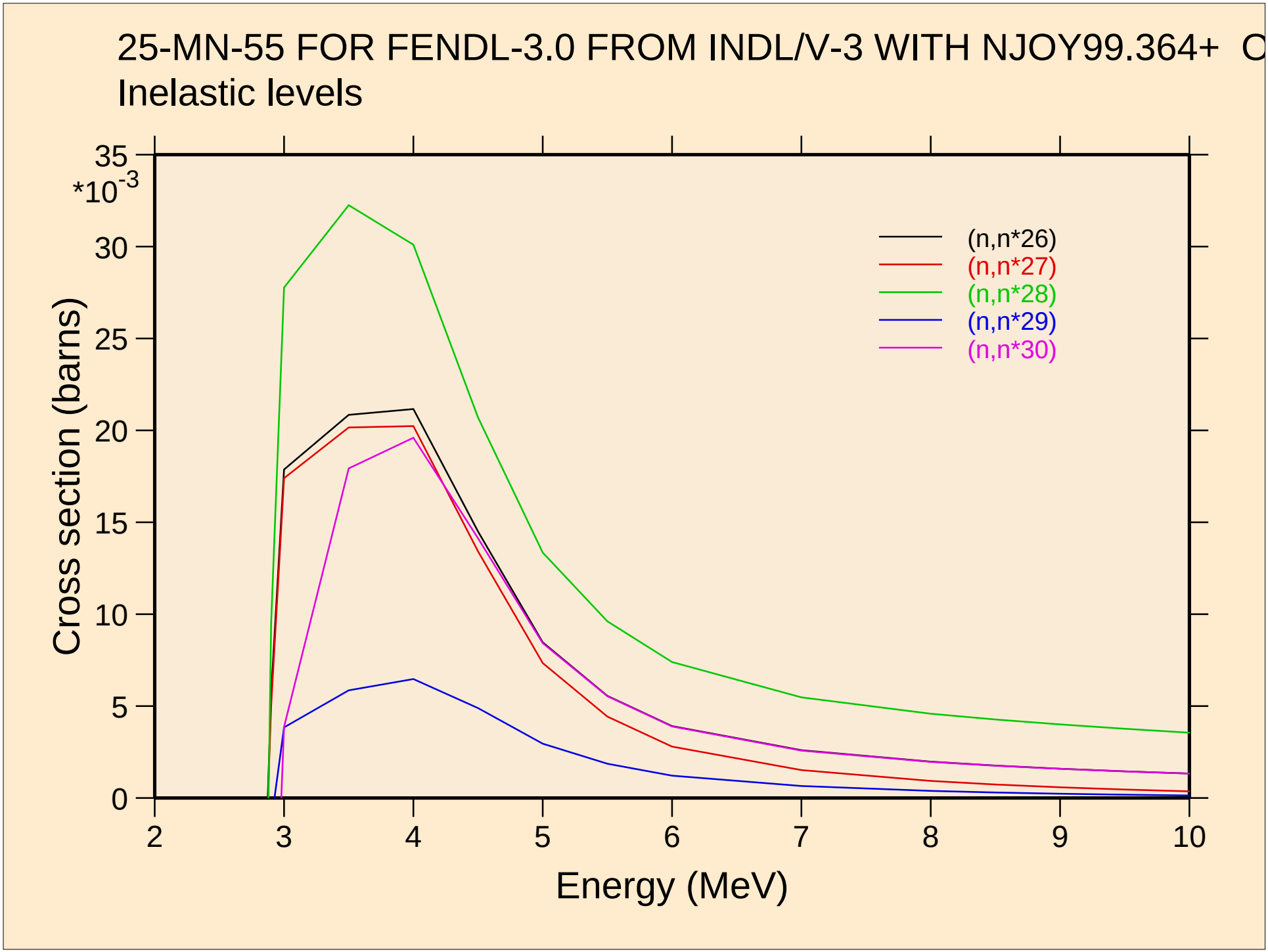

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
Energy (MeV)
1.0
0.8
0.6
0.4
0.2
0.0
0
2
4
6
8
10
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

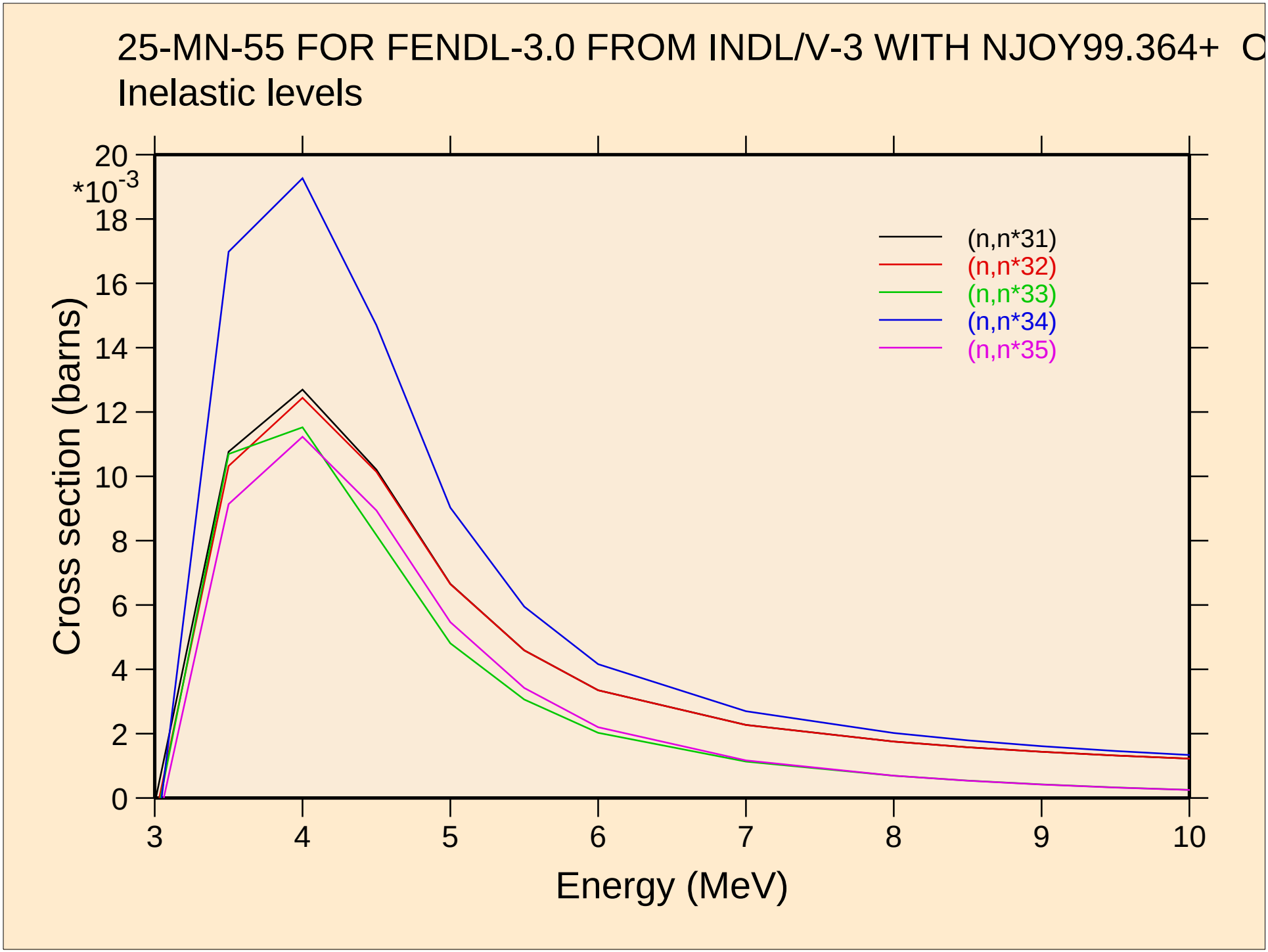

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
140
120
100
80
60
40
20
0
0
2
4
6
8
10
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

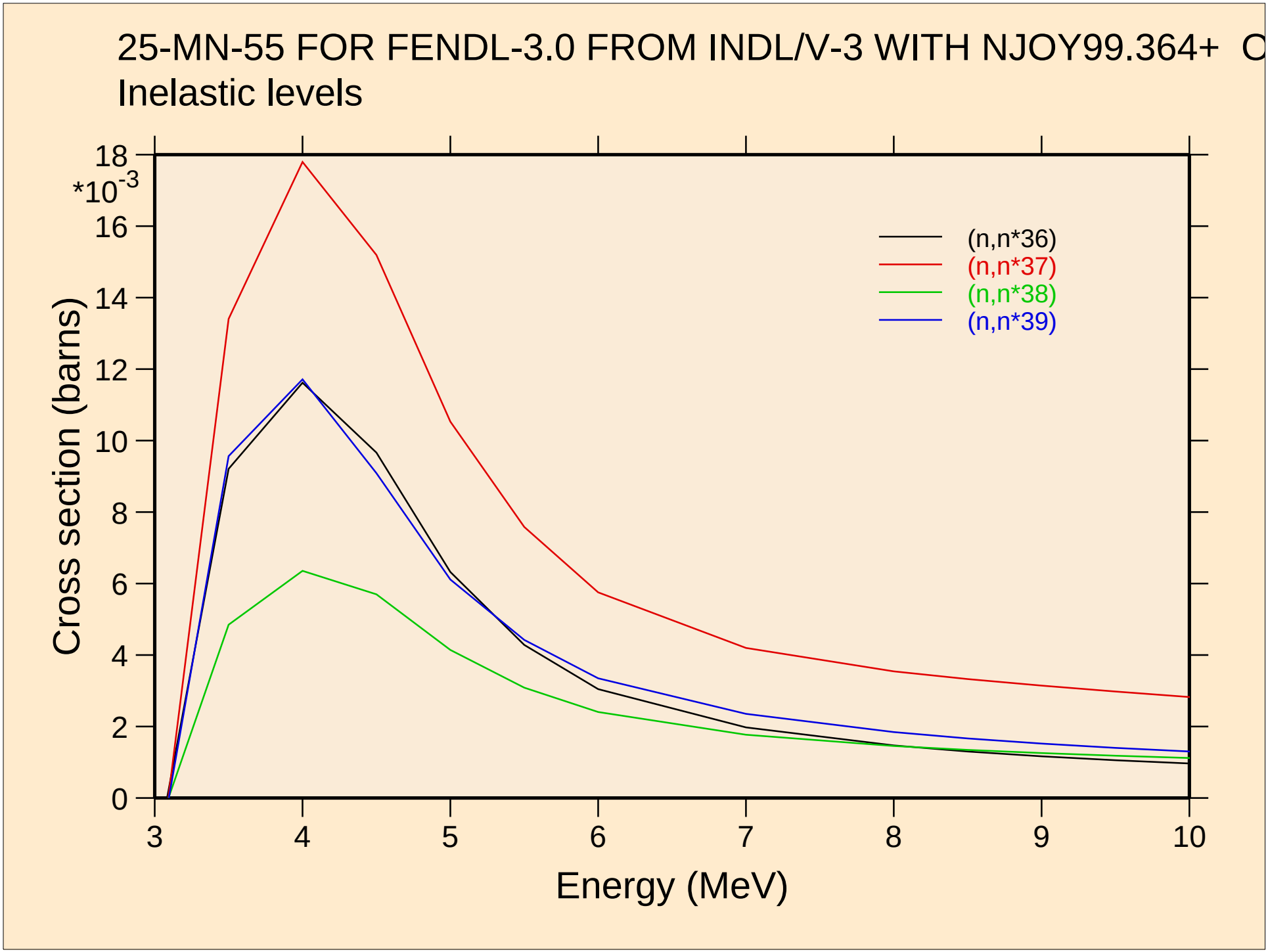

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
50
40
30
20
10
0
2
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

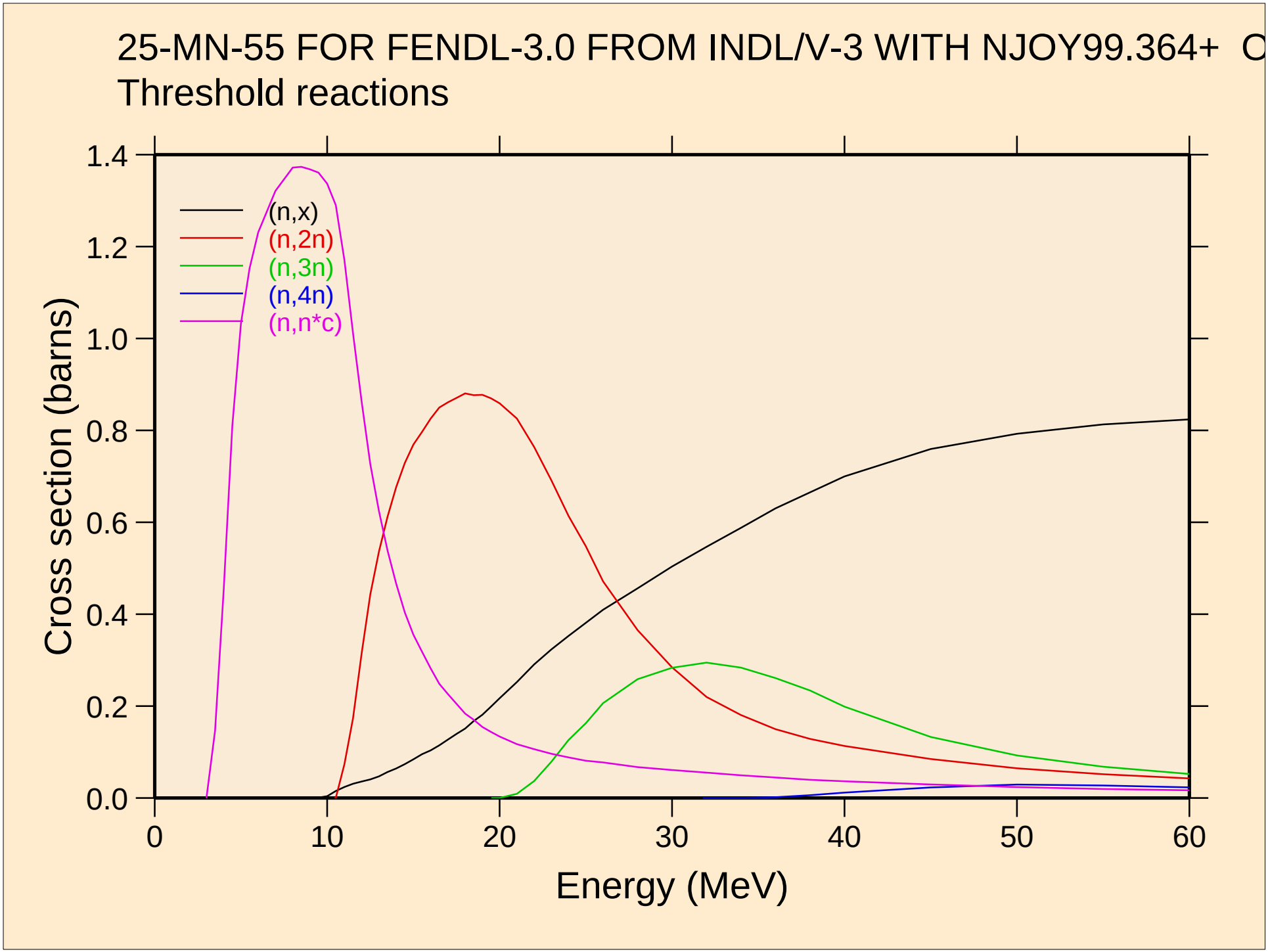

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
35
30
25
20
15
10
5
0
2
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

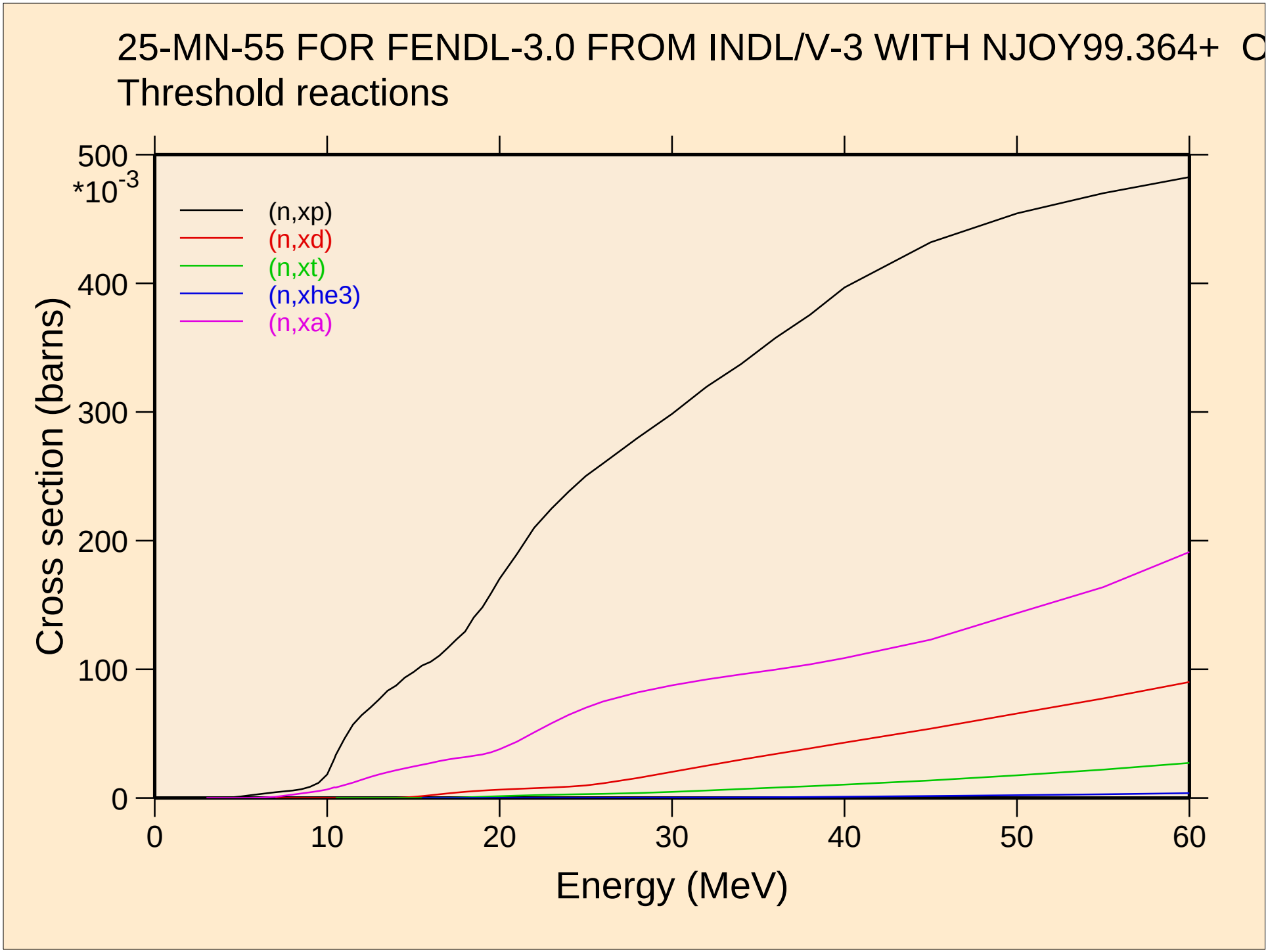

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
25
20
15
10
5
0
2
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)

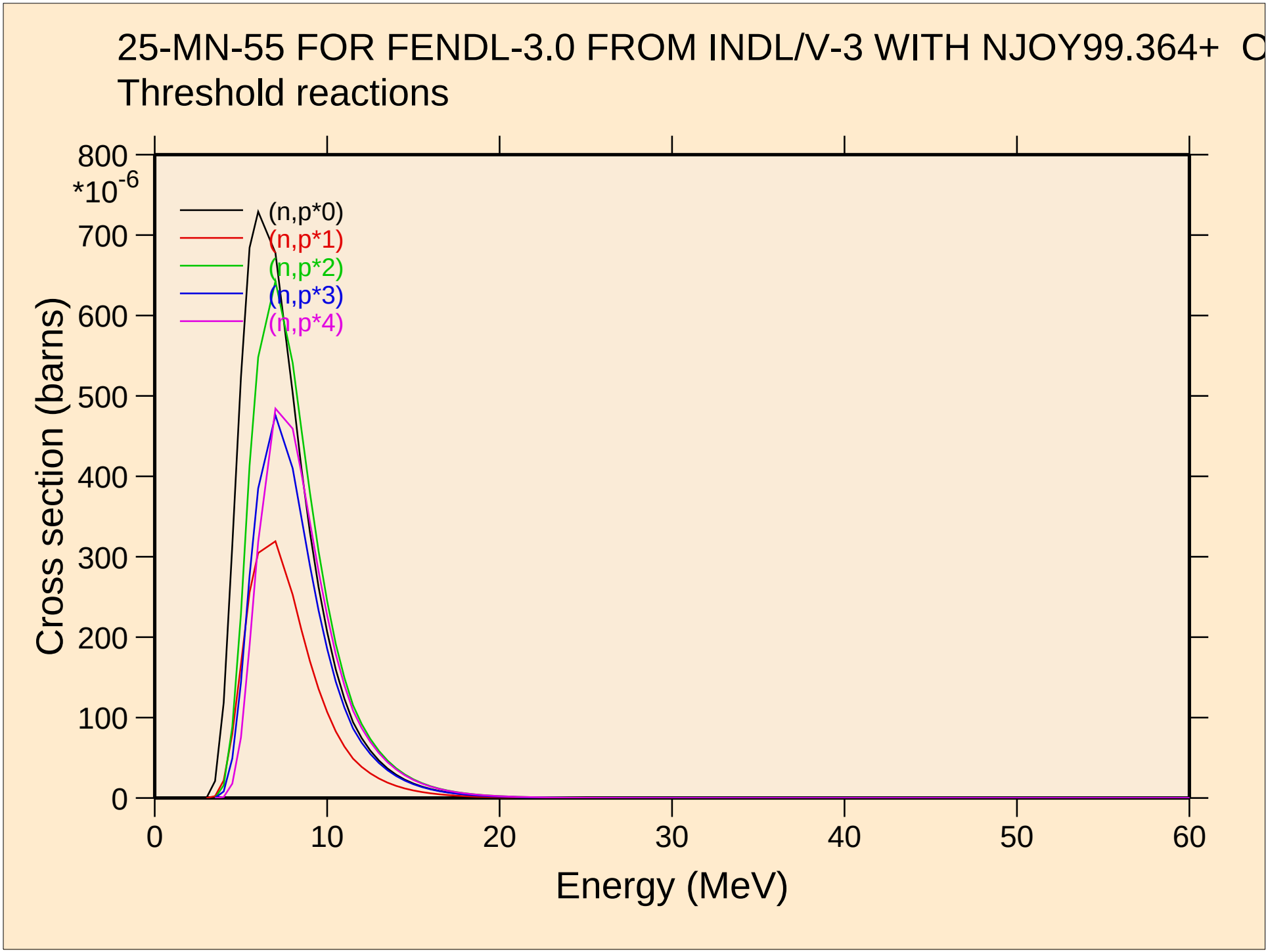

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
35
30
25
20
15
10
5
0
2
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*26)
(n,n*27)
(n,n*28)
(n,n*29)
(n,n*30)

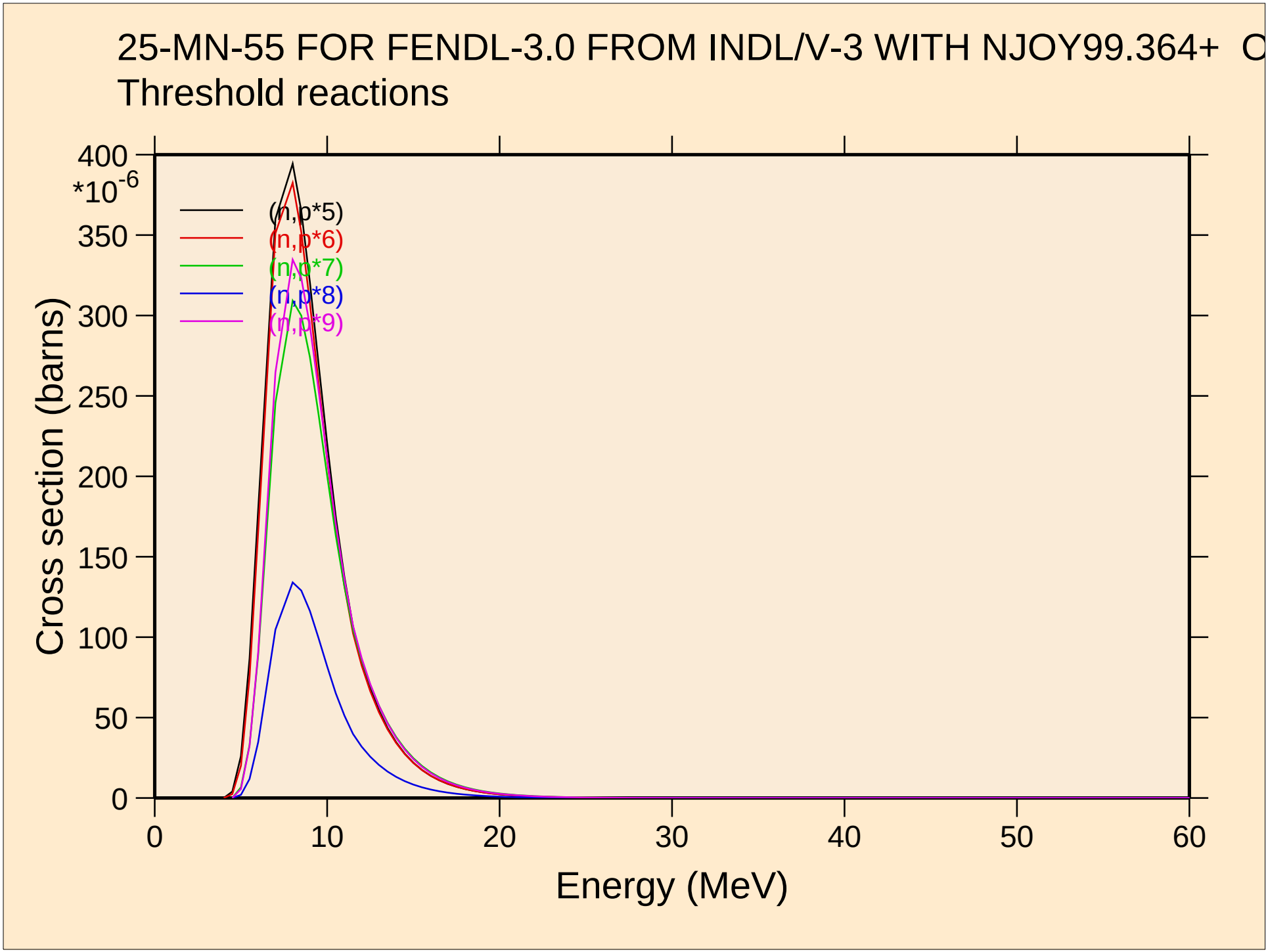

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
20
18
16
14
12
10
8
6
4
2
0
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*31)
(n,n*32)
(n,n*33)
(n,n*34)
(n,n*35)

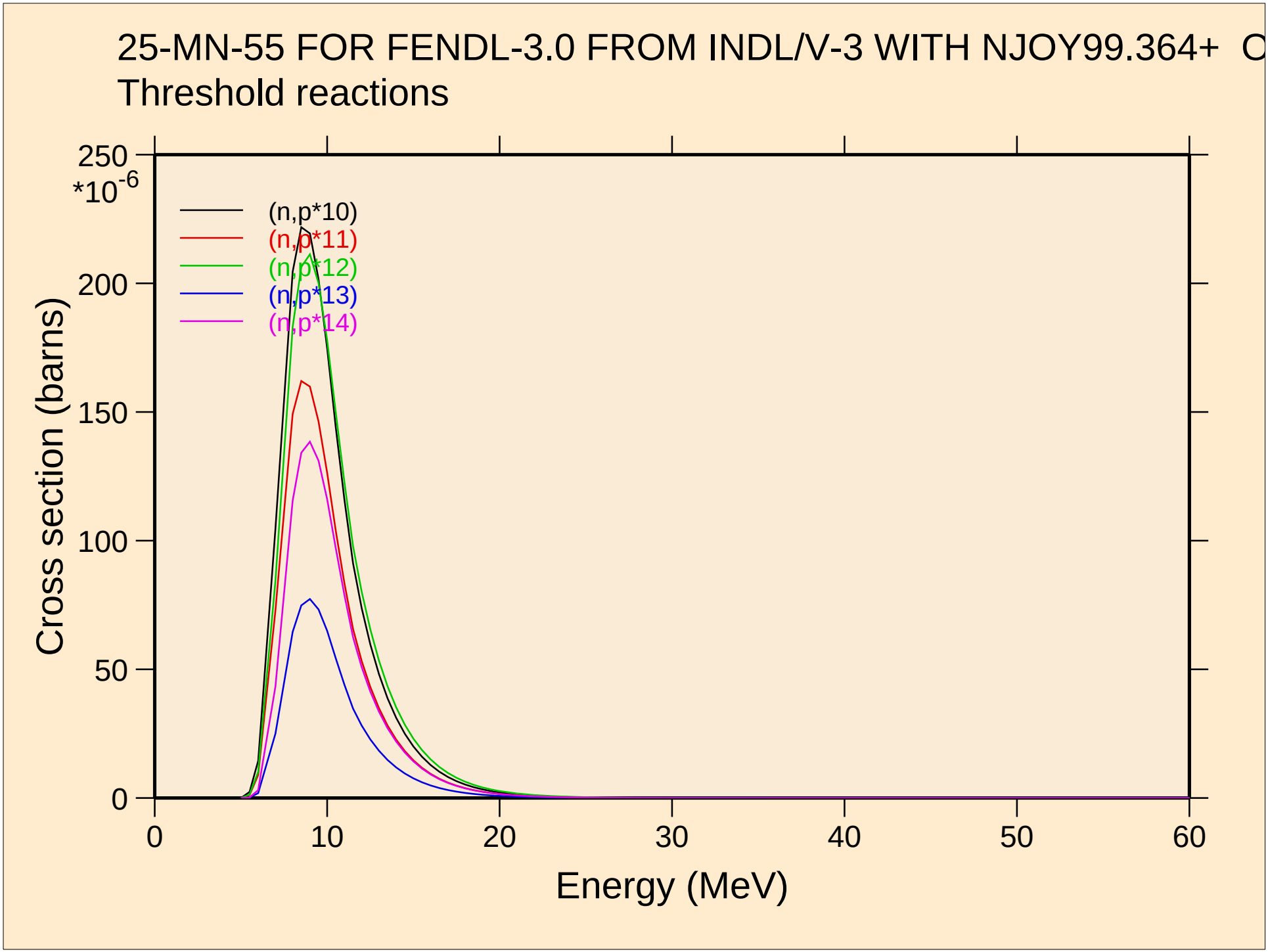

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Inelastic levels
Cross section (barns)
*10-3
18
16
14
12
10
8
6
4
2
0
3
4
5
6
7
8
9
10
Energy (MeV)
(n,n*36)
(n,n*37)
(n,n*38)
(n,n*39)

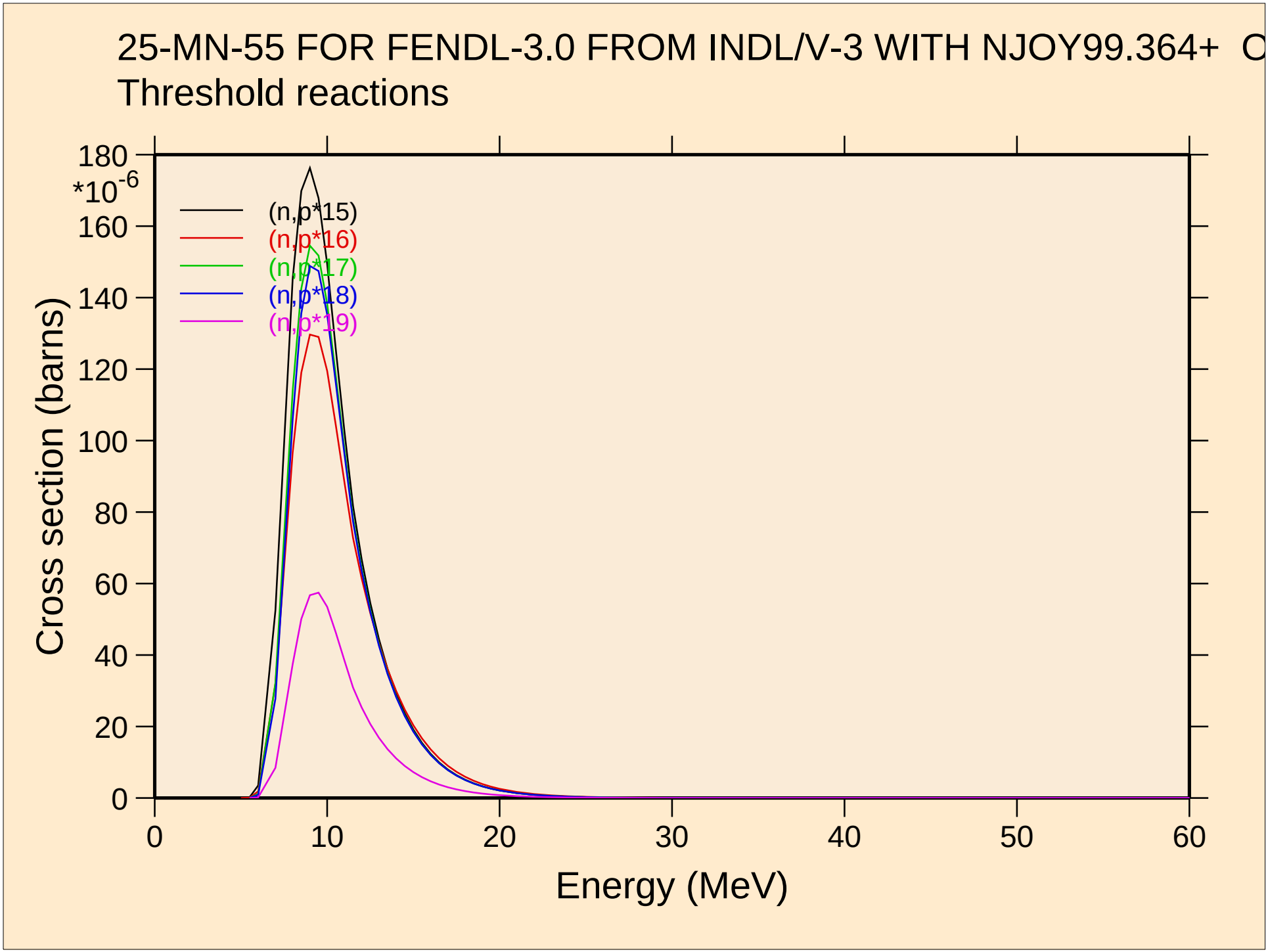

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
(n,x)
(n,2n)
(n,3n)
(n,4n)
(n,n*c)
Cross section (barns)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
10
20
30
40
50
60

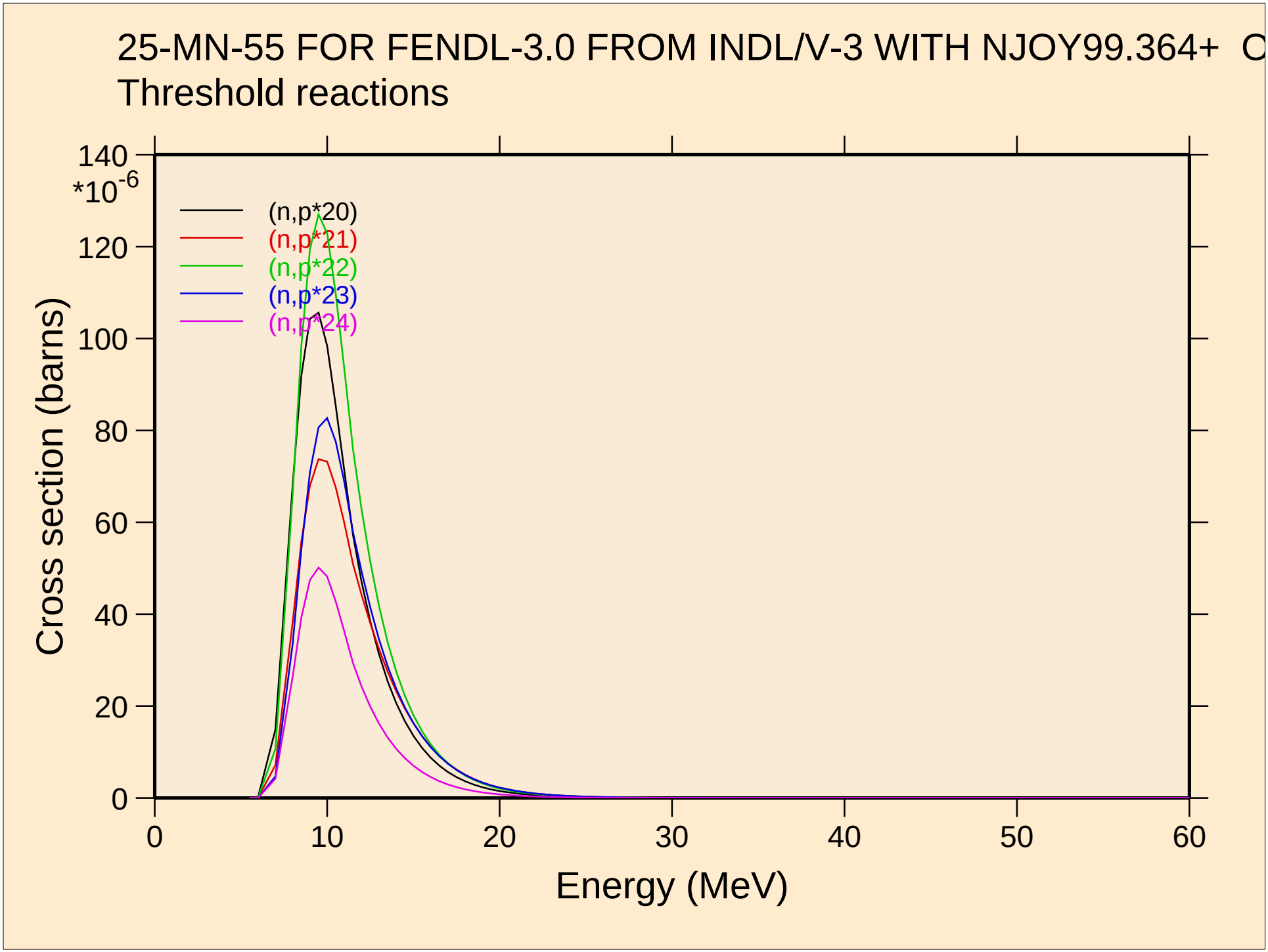

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
500
*10-3
400
300
200
100
0
Cross section (barns)
(n,xp)
(n,xd)
(n,xt)
(n,xhe3)
(n,xa)
0
10
20
30
40
50
60
Energy (MeV)

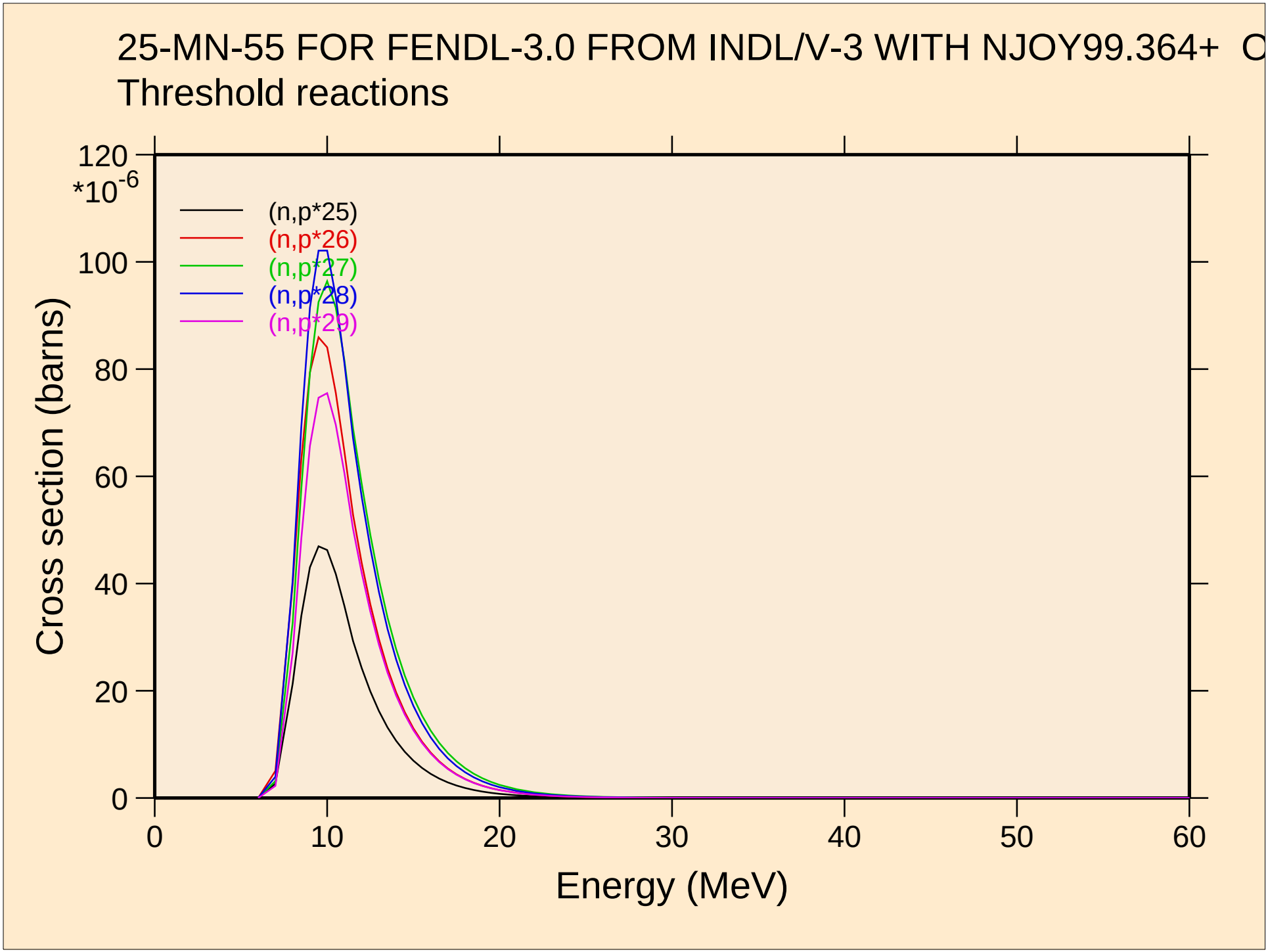

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
800
*10-6
700
600
500
400
300
200
100
0
Cross section (barns)
(n,p*0)
(n,p*1)
(n,p*2)
(n,p*3)
(n,p*4)
0
10
20
30
40
50
60
Energy (MeV)

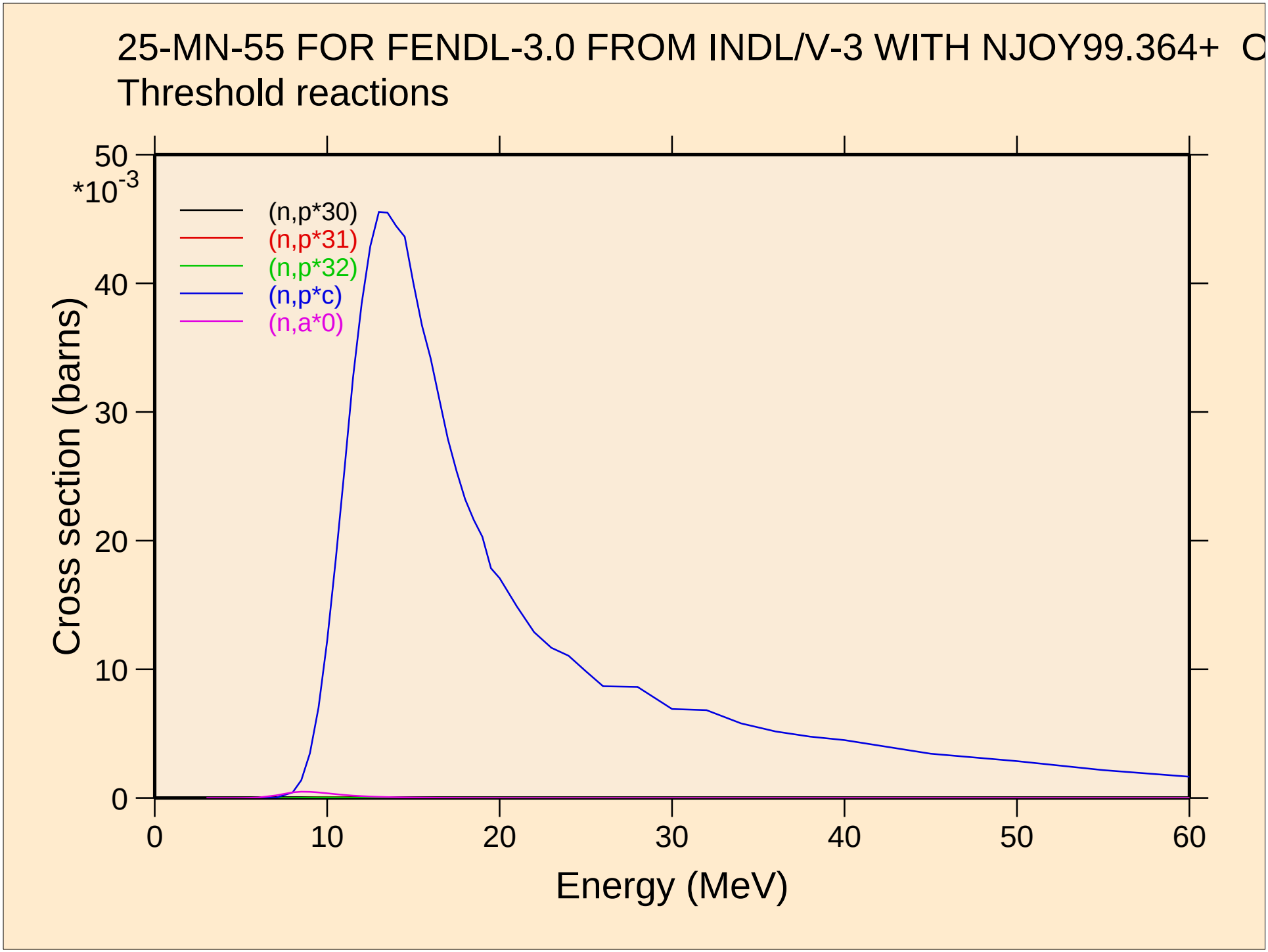

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
Cross section (barns)
*10-6
400
350
300
250
200
150
100
50
0
0
10
20
30
40
50
60
Energy (MeV)
(n,p*5)
(n,p*6)
(n,p*7)
(n,p*8)
(n,p*9)

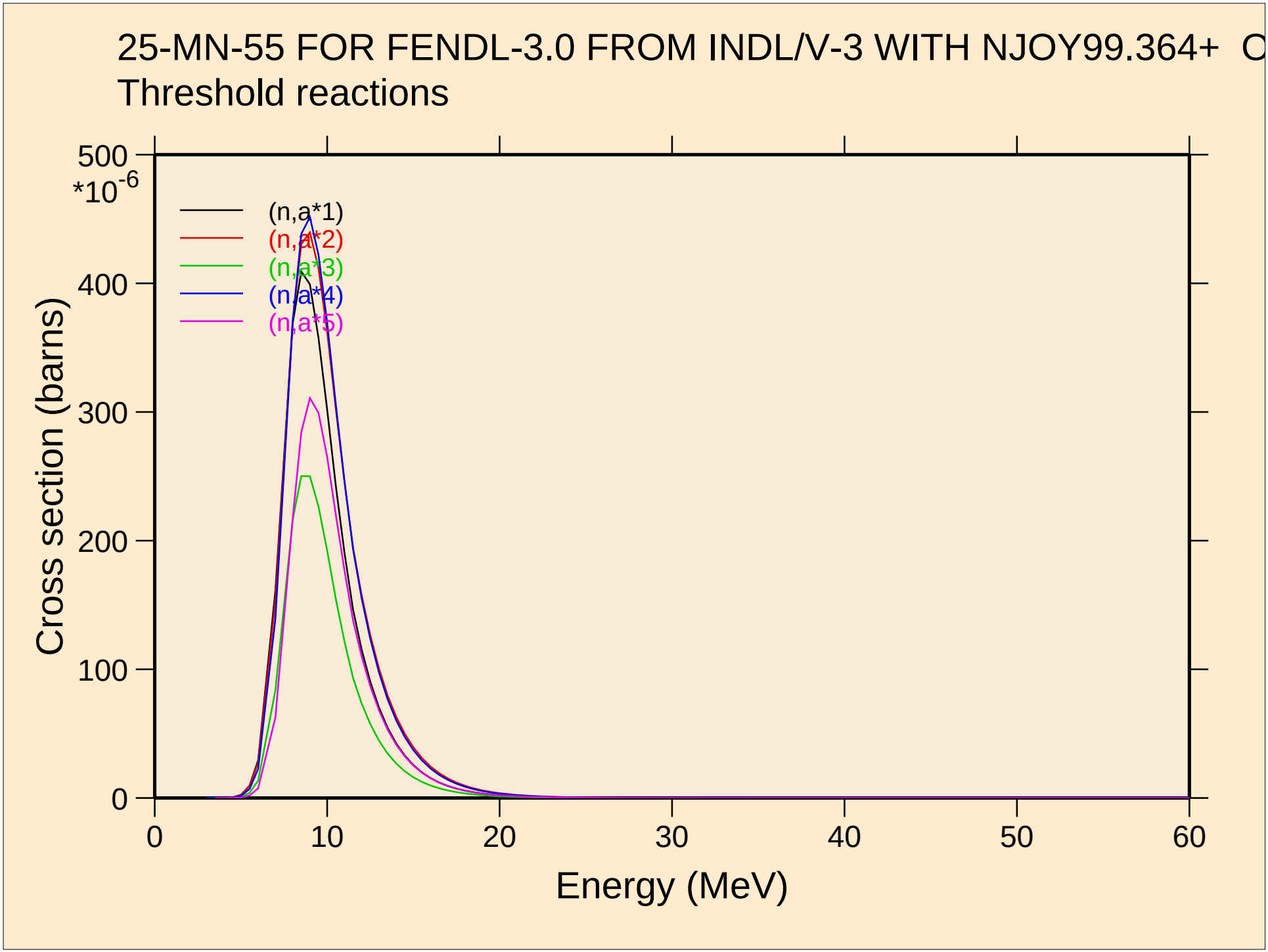

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
250
*10-6
200
150
100
50
0
Cross section (barns)
(n,p*10)
(n,p*11)
(n,p*12)
(n,p*13)
(n,p*14)
0
10
20
30
40
50
60
Energy (MeV)

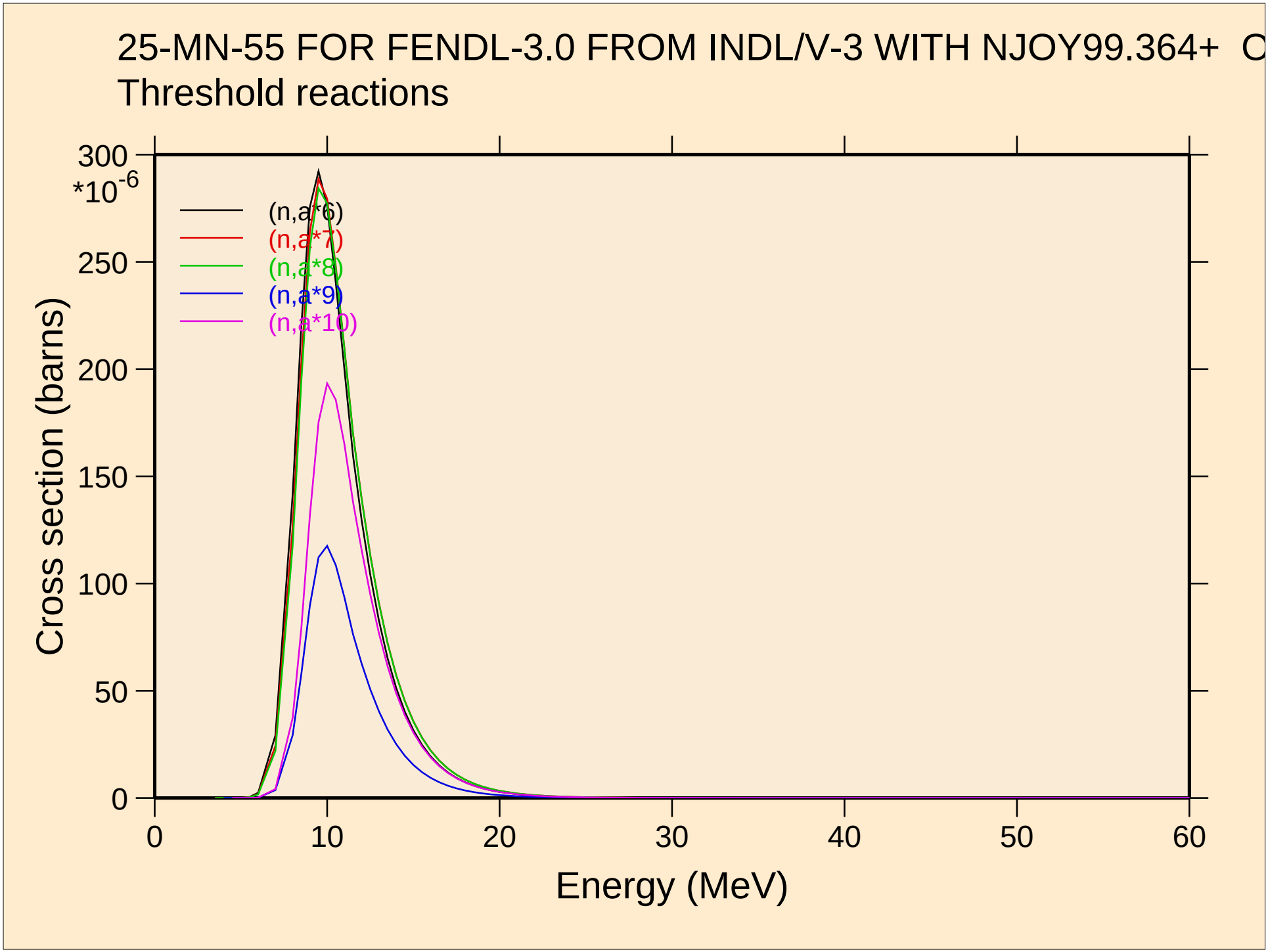

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
*10-6
(n,p*15)
(n,p*16)
(n,p*17)
(n,p*18)
(n,p*19)
Cross section (barns)
Energy (MeV)
0
20
40
60
80
100
120
140
160
180
0
10
20
30
40
50
60

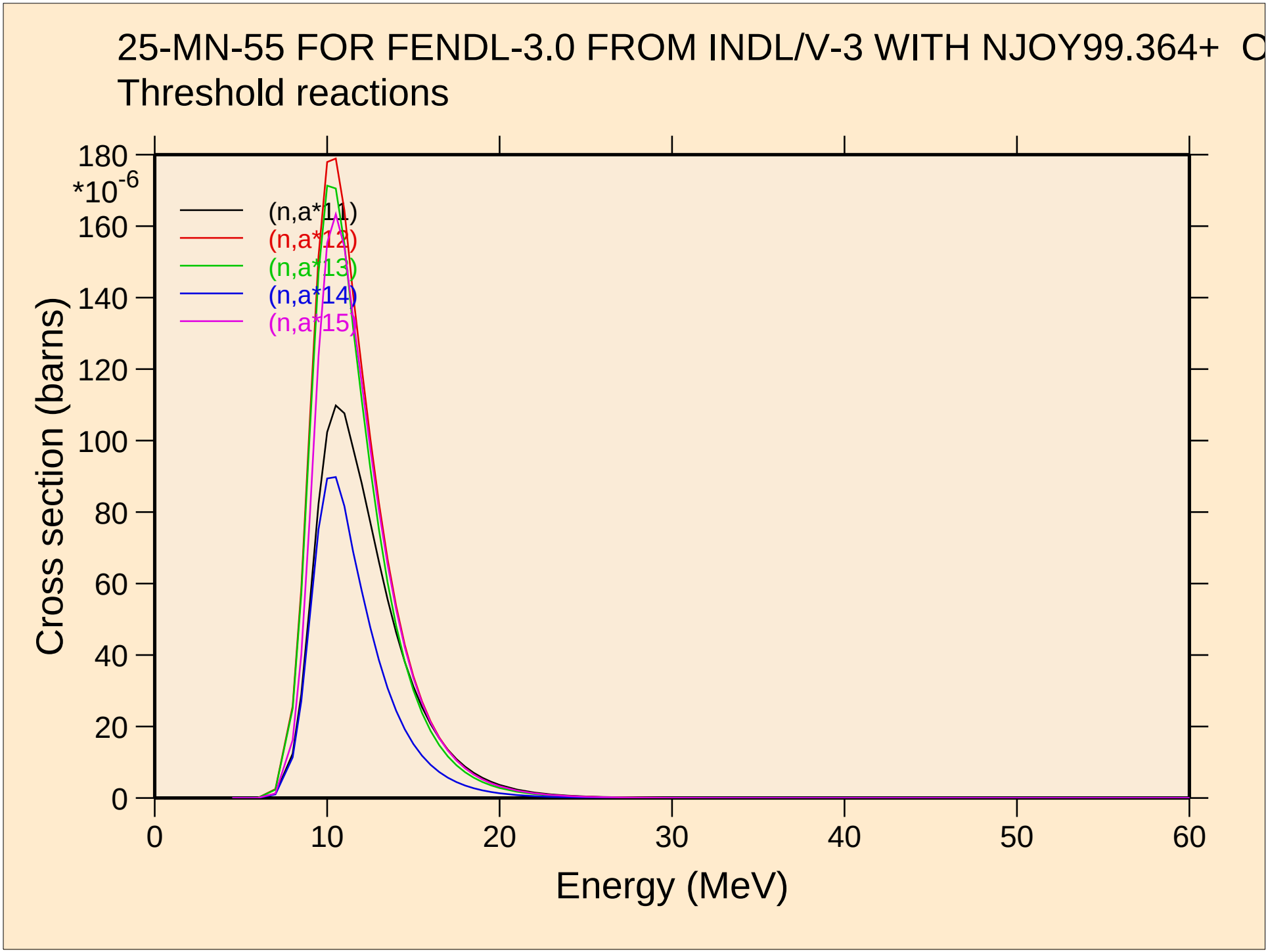

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
140
*10-6
120
100
80
60
40
20
0
Cross section (barns)
(n,p*20)
(n,p*21)
(n,p*22)
(n,p*23)
(n,p*24)
0
10
20
30
40
50
60
Energy (MeV)

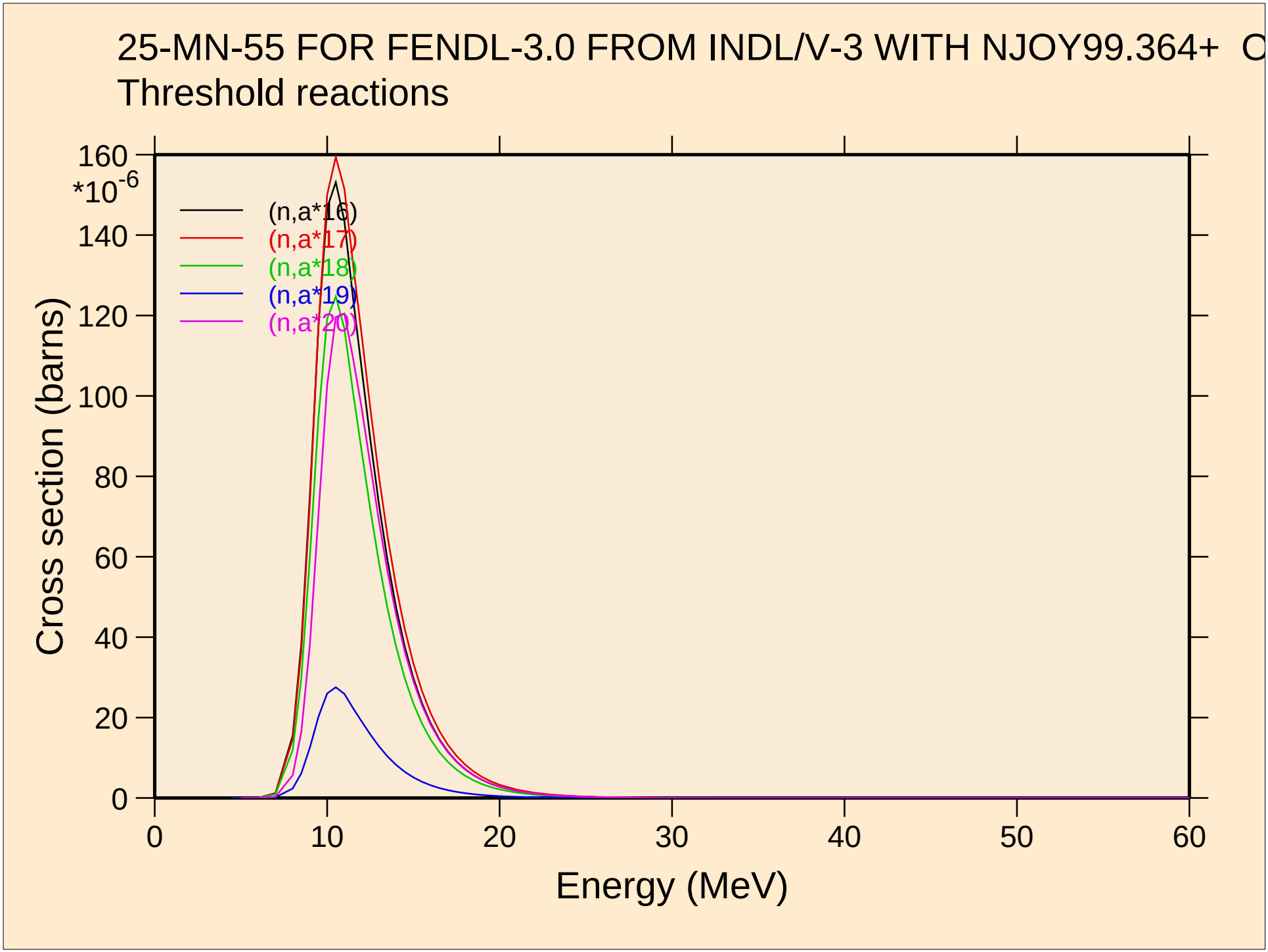

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
120
*10-6
100
80
60
40
20
0
Cross section (barns)
(n,p*25)
(n,p*26)
(n,p*27)
(n,p*28)
(n,p*29)
0
10
20
30
40
50
60
Energy (MeV)

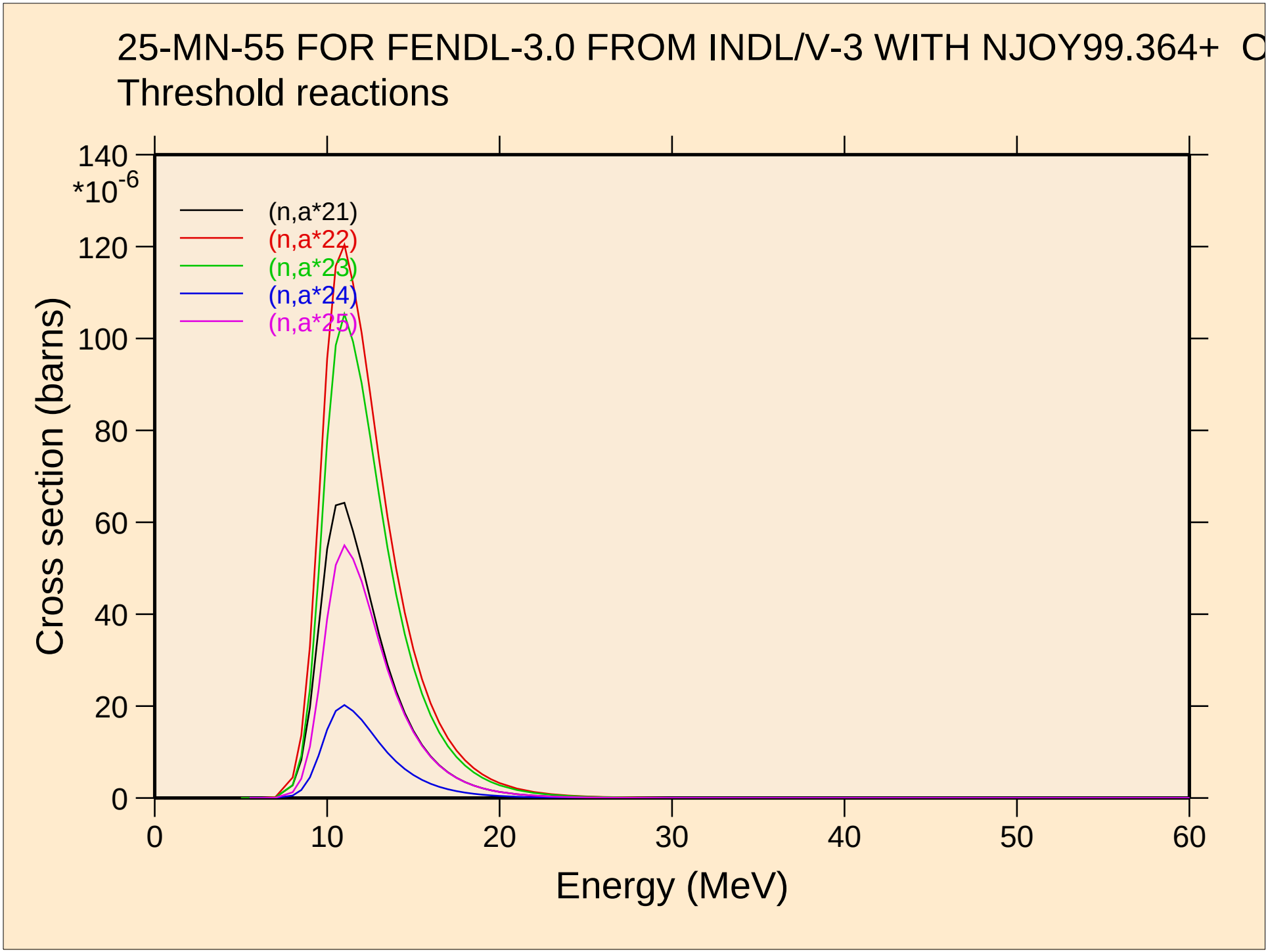

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
*10-3
(n,p*30)
(n,p*31)
(n,p*32)
(n,p*c)
(n,a*0)
Cross section (barns)
Energy (MeV)
0
10
20
30
40
50
60

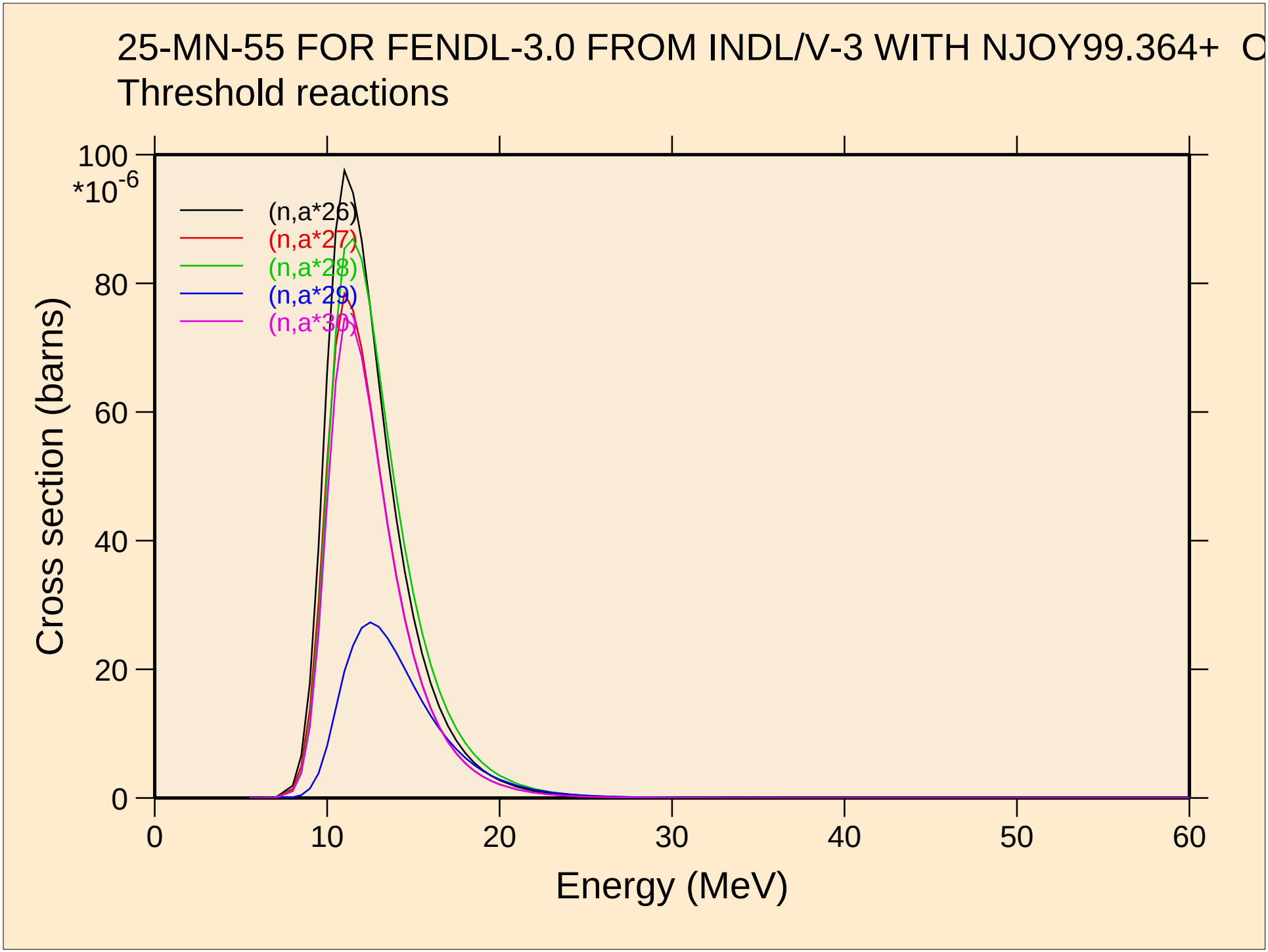

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
500
*10-6
400
300
200
100
0
Cross section (barns)
(n,a*1)
(n,a*2)
(n,a*3)
(n,a*4)
(n,a*5)
0
10
20
30
40
50
60
Energy (MeV)

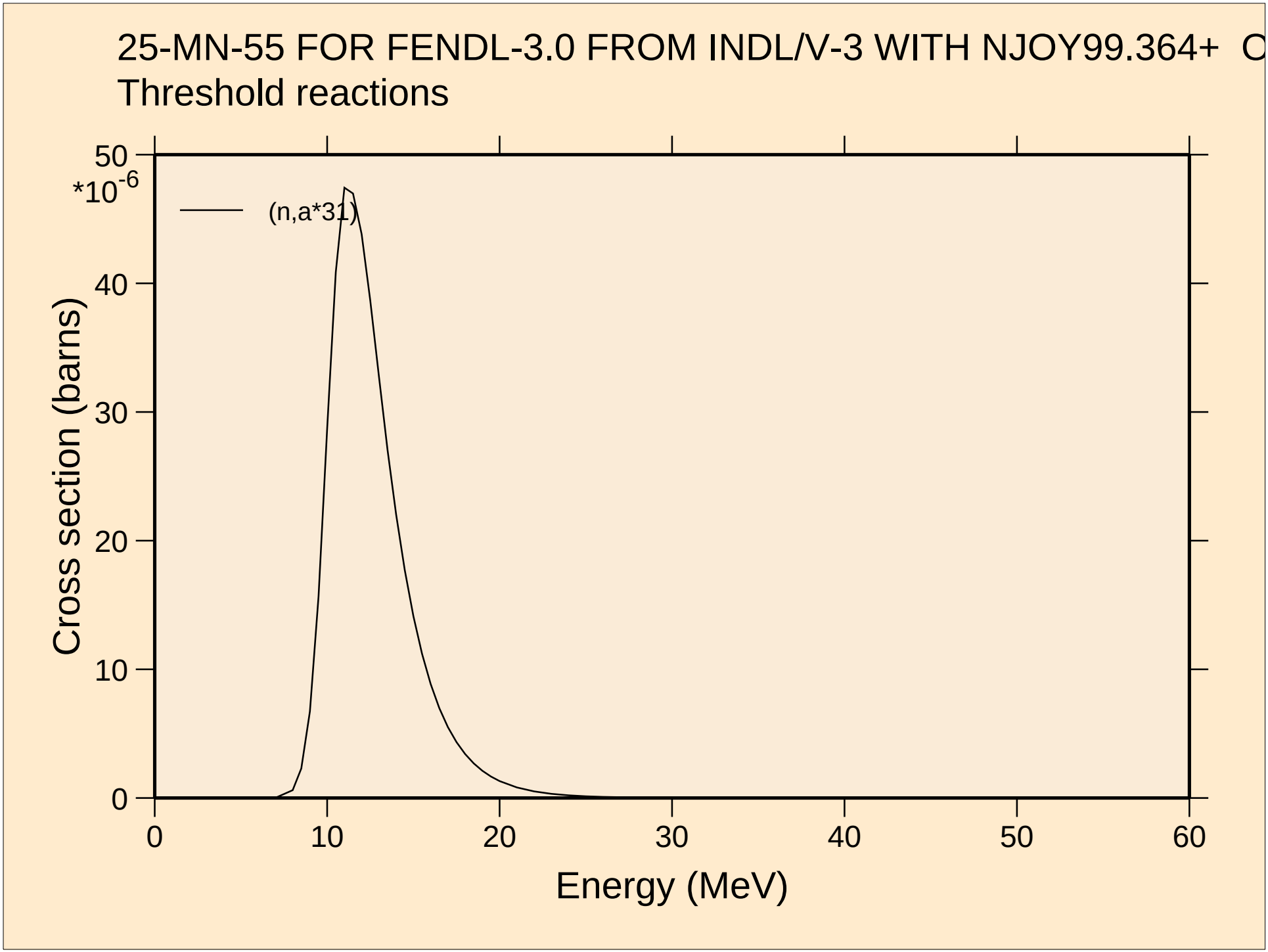

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
300
*10-6
250
200
150
100
50
0
Cross section (barns)
(n,a*6)
(n,a*7)
(n,a*8)
(n,a*9)
(n,a*10)
0
10
20
30
40
50
60
Energy (MeV)

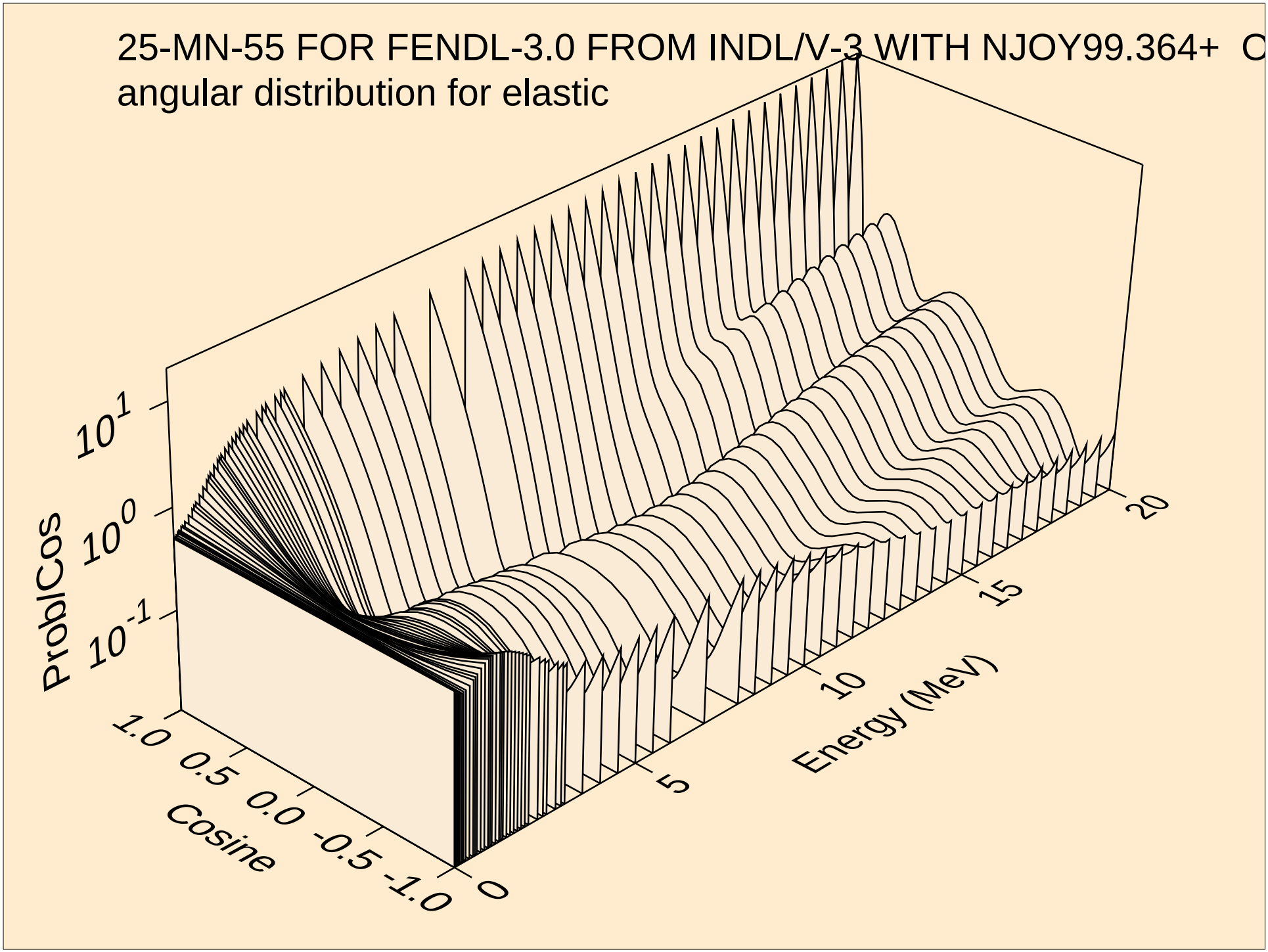

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
*10-6
Cross section (barns)
Energy (MeV)
(n,a*11)
(n,a*12)
(n,a*13)
(n,a*14)
(n,a*15)
0
20
40
60
80
100
120
140
160
180
0
10
20
30
40
50
60

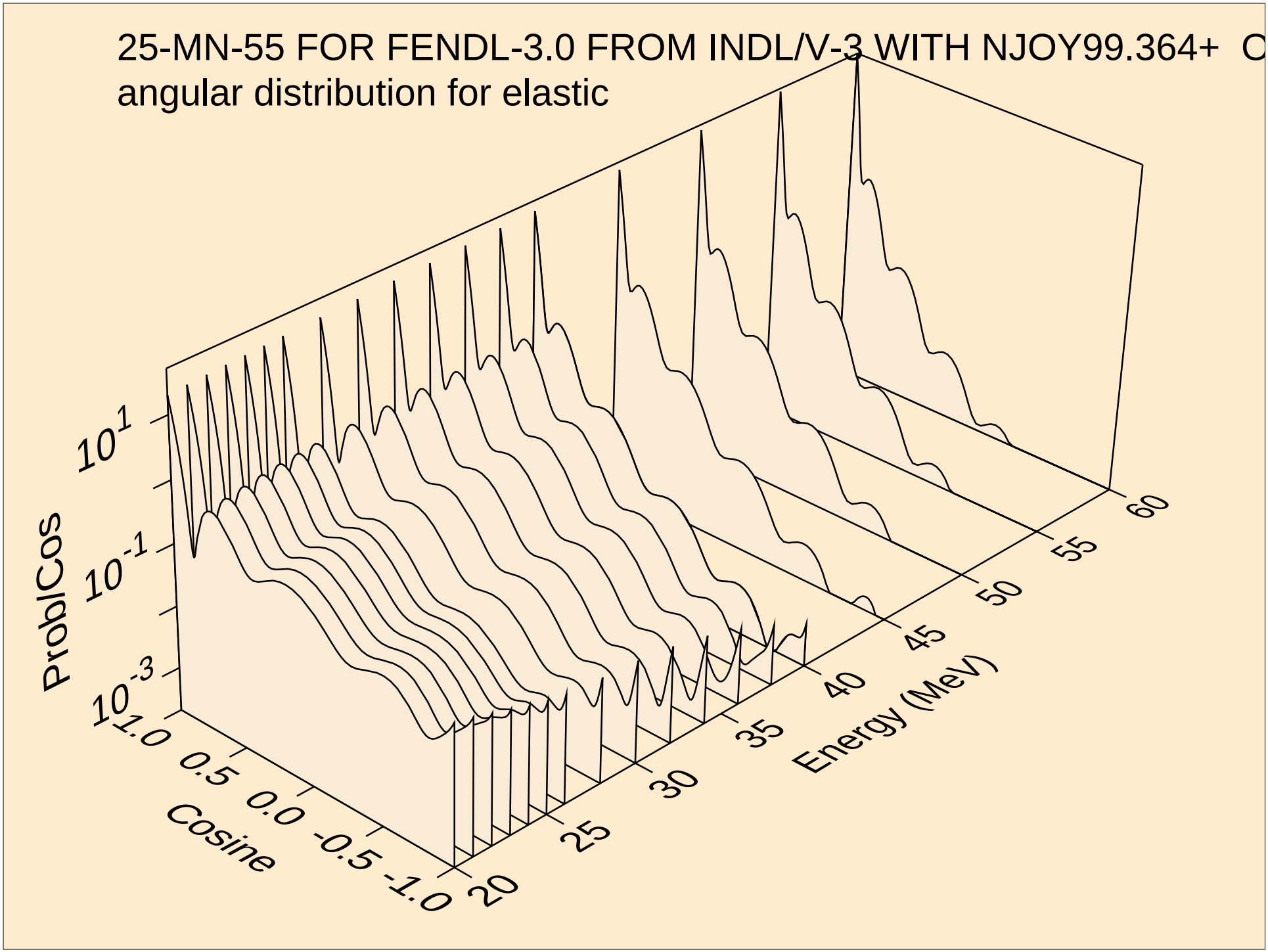

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
Cross section (barns)
*10-6
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60
Energy (MeV)
(n,a*16)
(n,a*17)
(n,a*18)
(n,a*19)
(n,a*20)

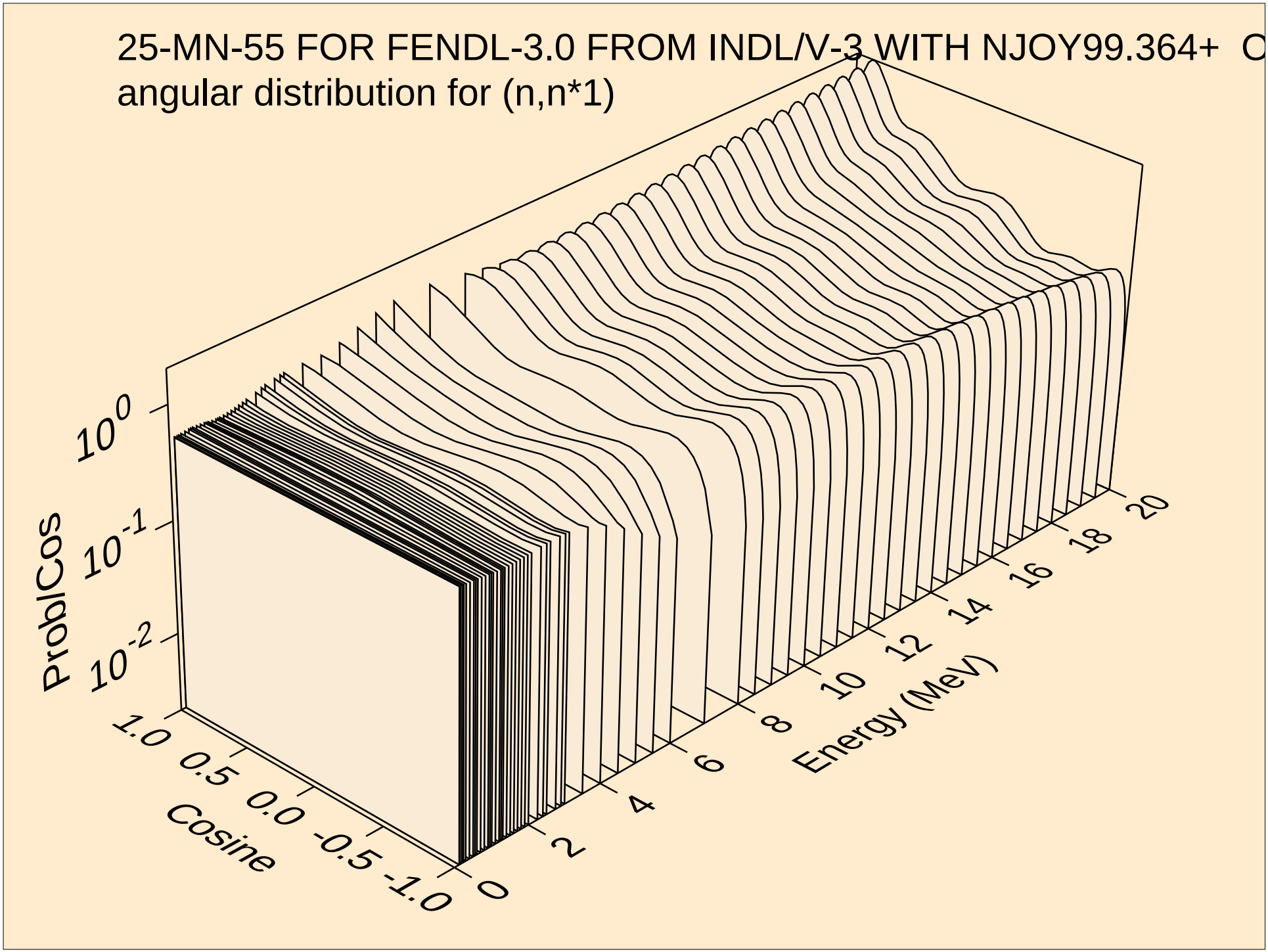

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
140
*10-6
120
100
80
60
40
20
0
Cross section (barns)
(n,a*21)
(n,a*22)
(n,a*23)
(n,a*24)
(n,a*25)
0
10
20
30
40
50
60
Energy (MeV)

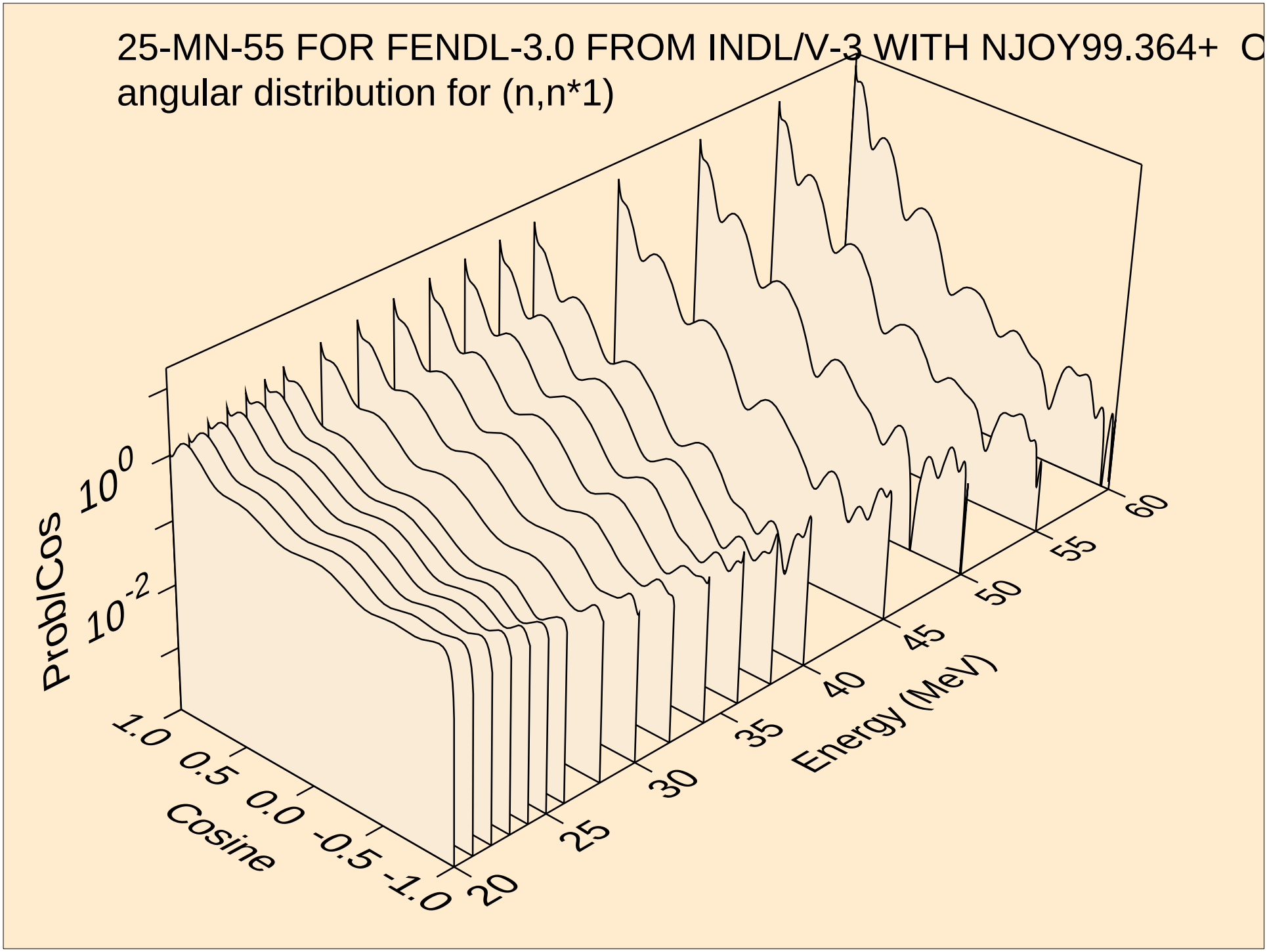

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
100
*10-6
80
60
40
20
0
Cross section (barns)
(n,a*26)
(n,a*27)
(n,a*28)
(n,a*29)
(n,a*30)
0
10
20
30
40
50
60
Energy (MeV)

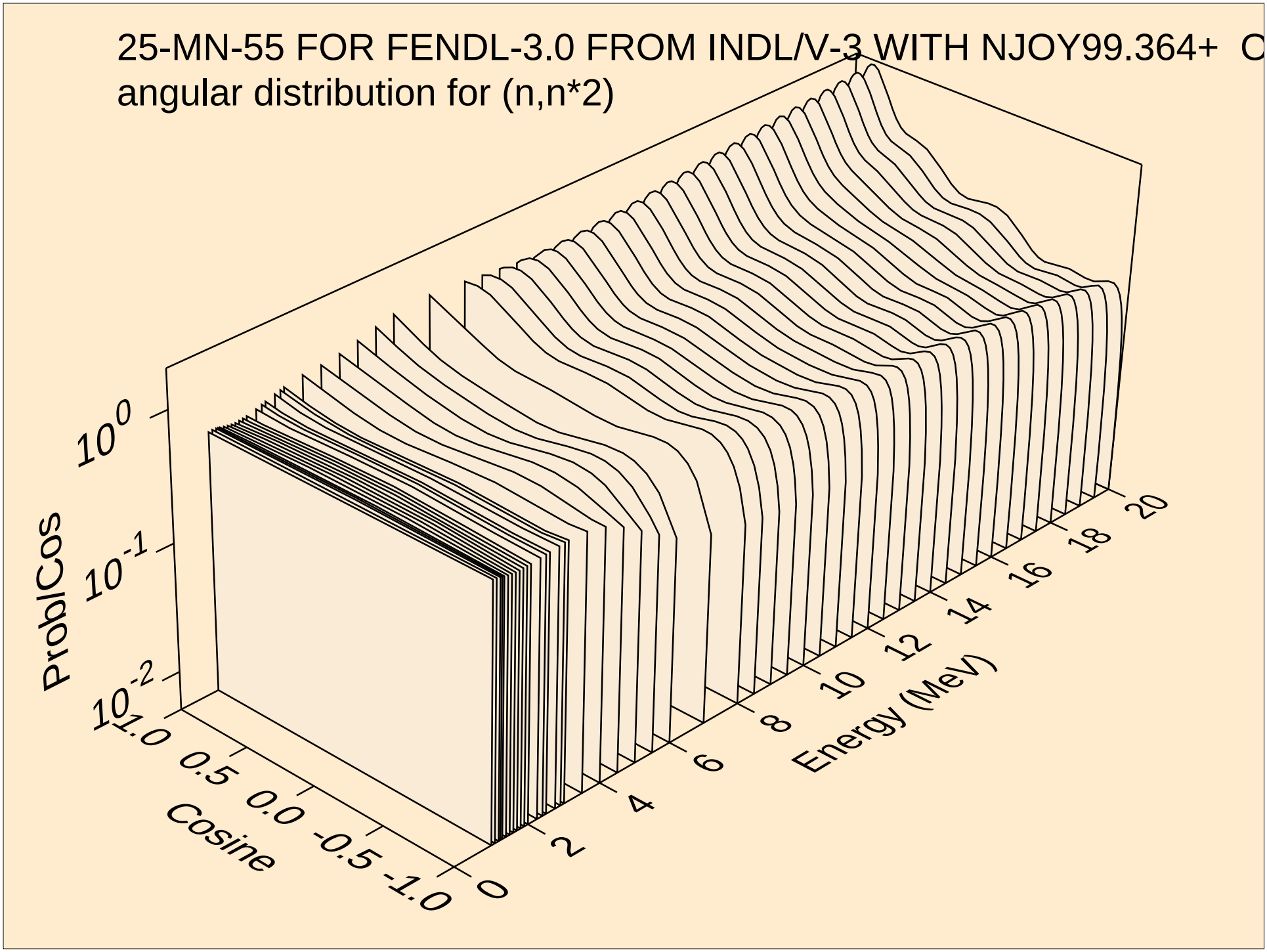

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Threshold reactions
*10-6
(n,a*31)
Cross section (barns)
Energy (MeV)
0
10
20
30
40
50
60

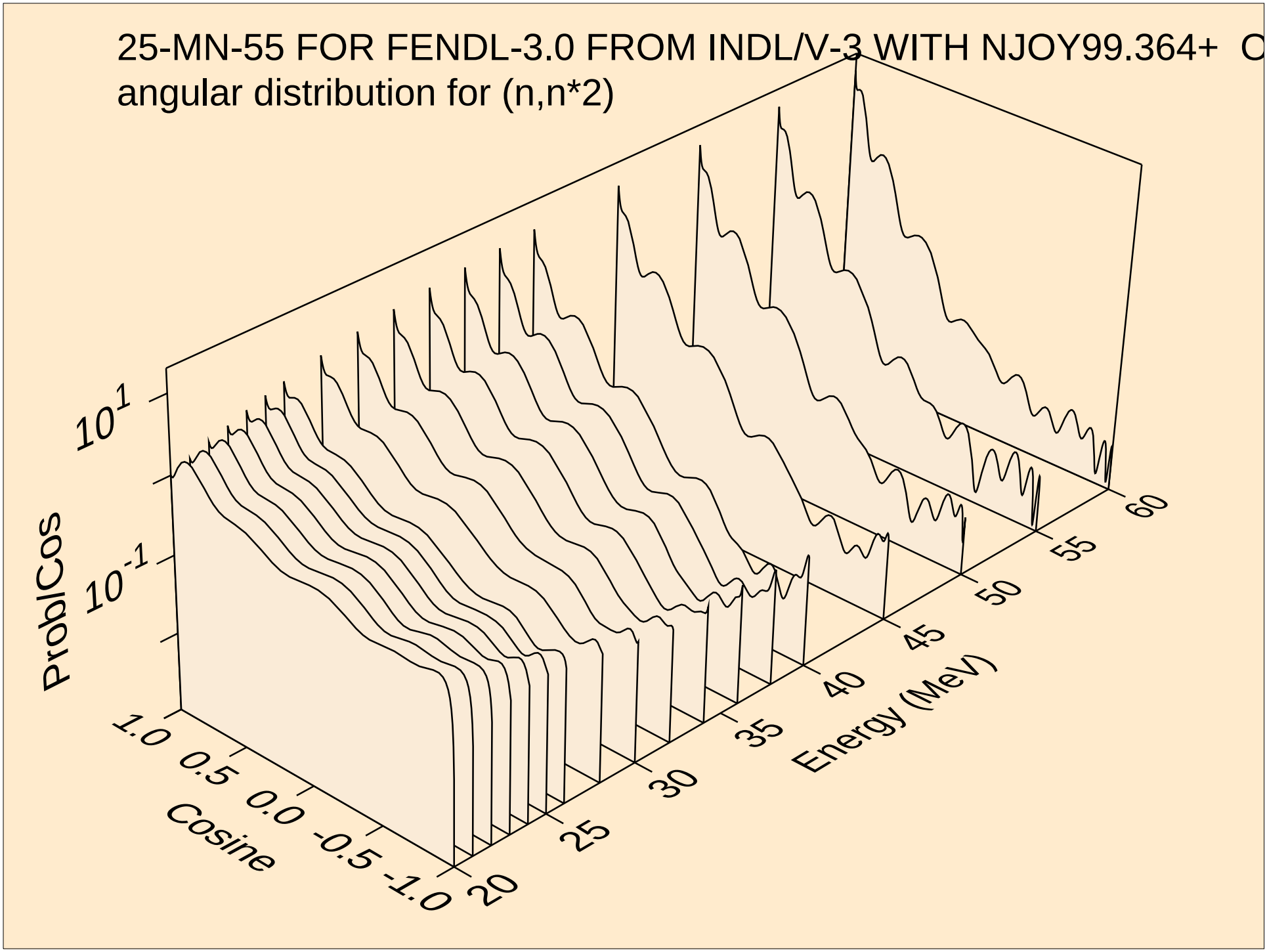

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for elastic
ProbICos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
5
10
15
20
Energy (MeV)

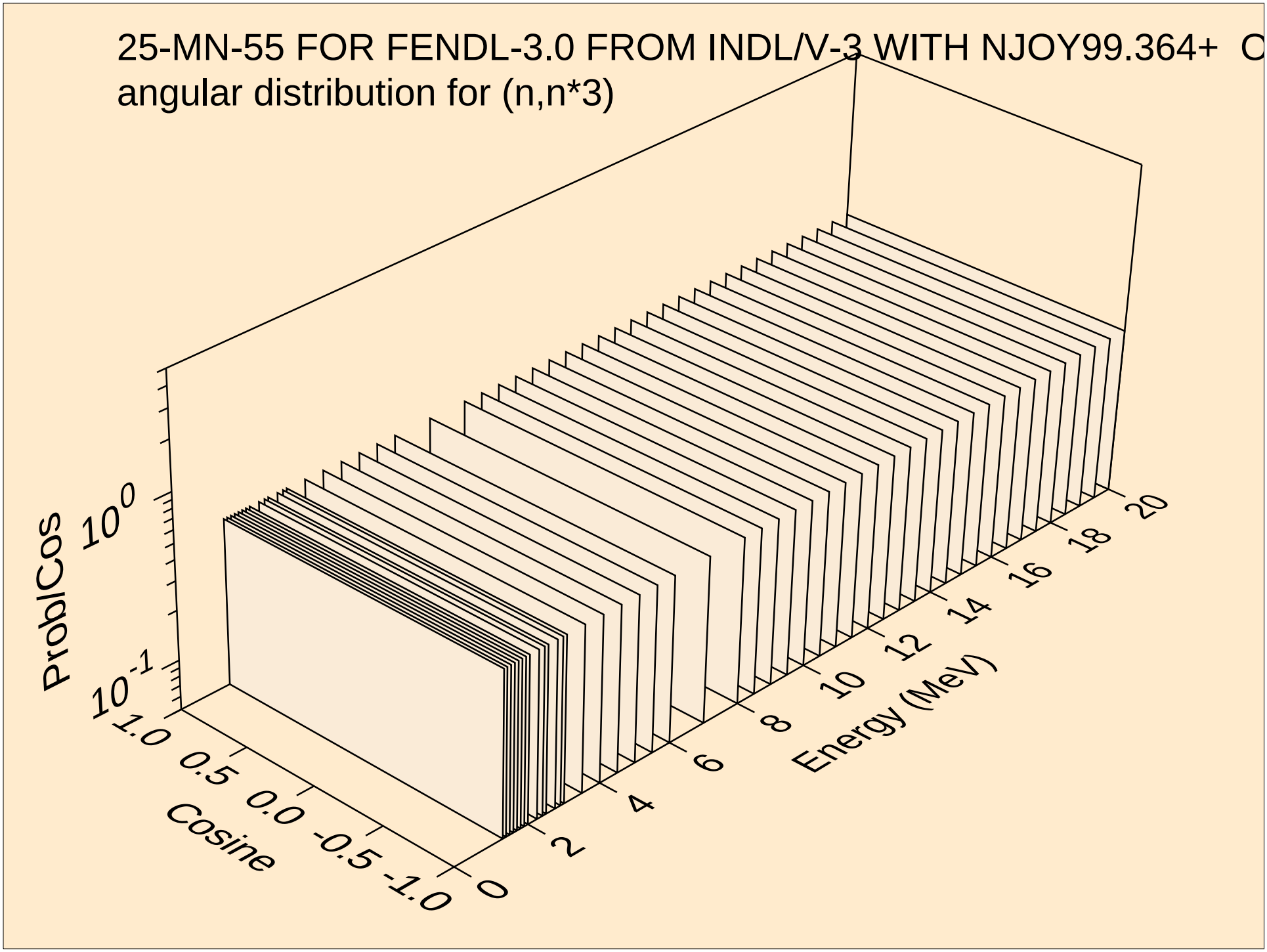

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for elastic
ProbICos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

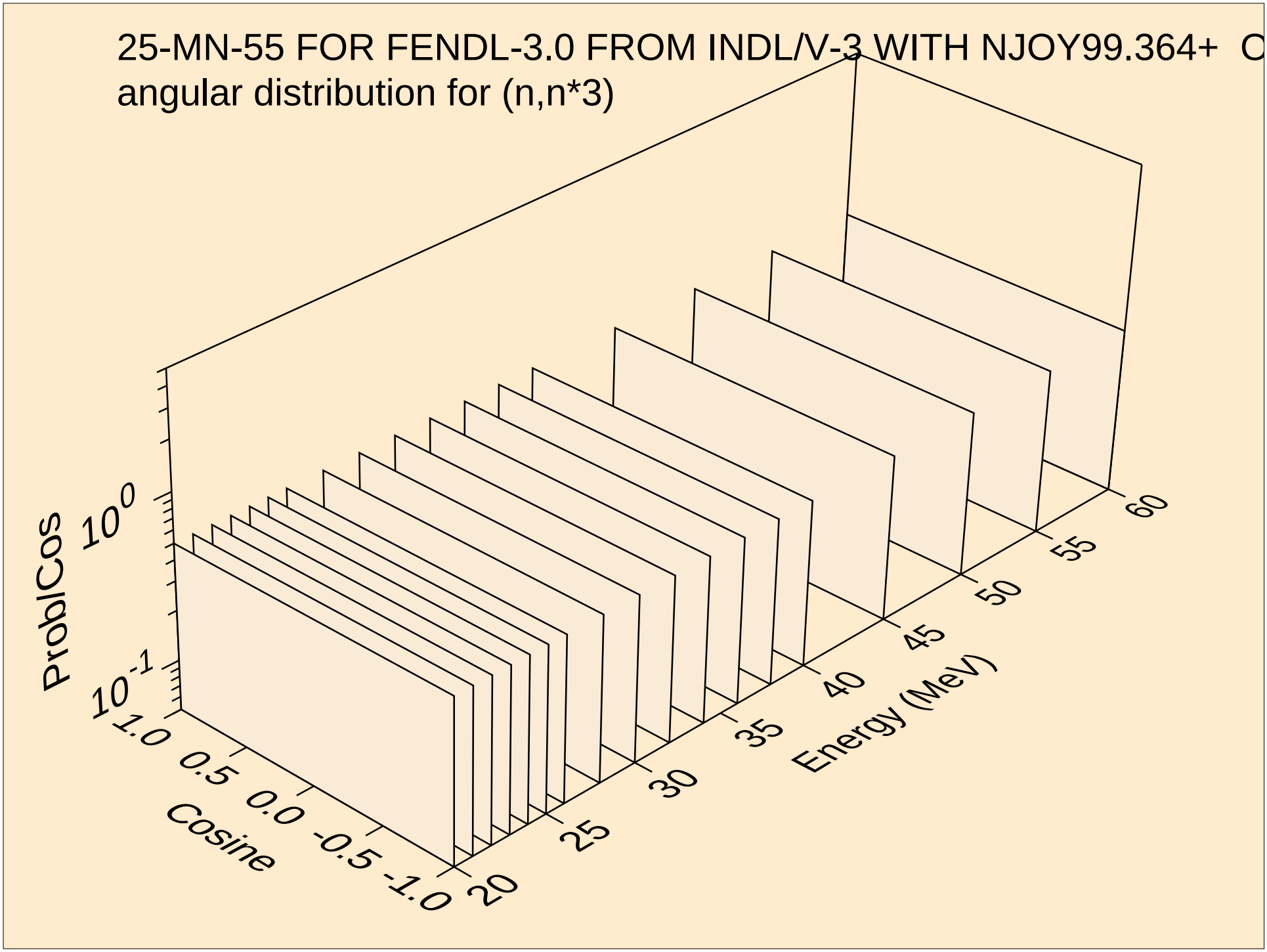

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*1)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

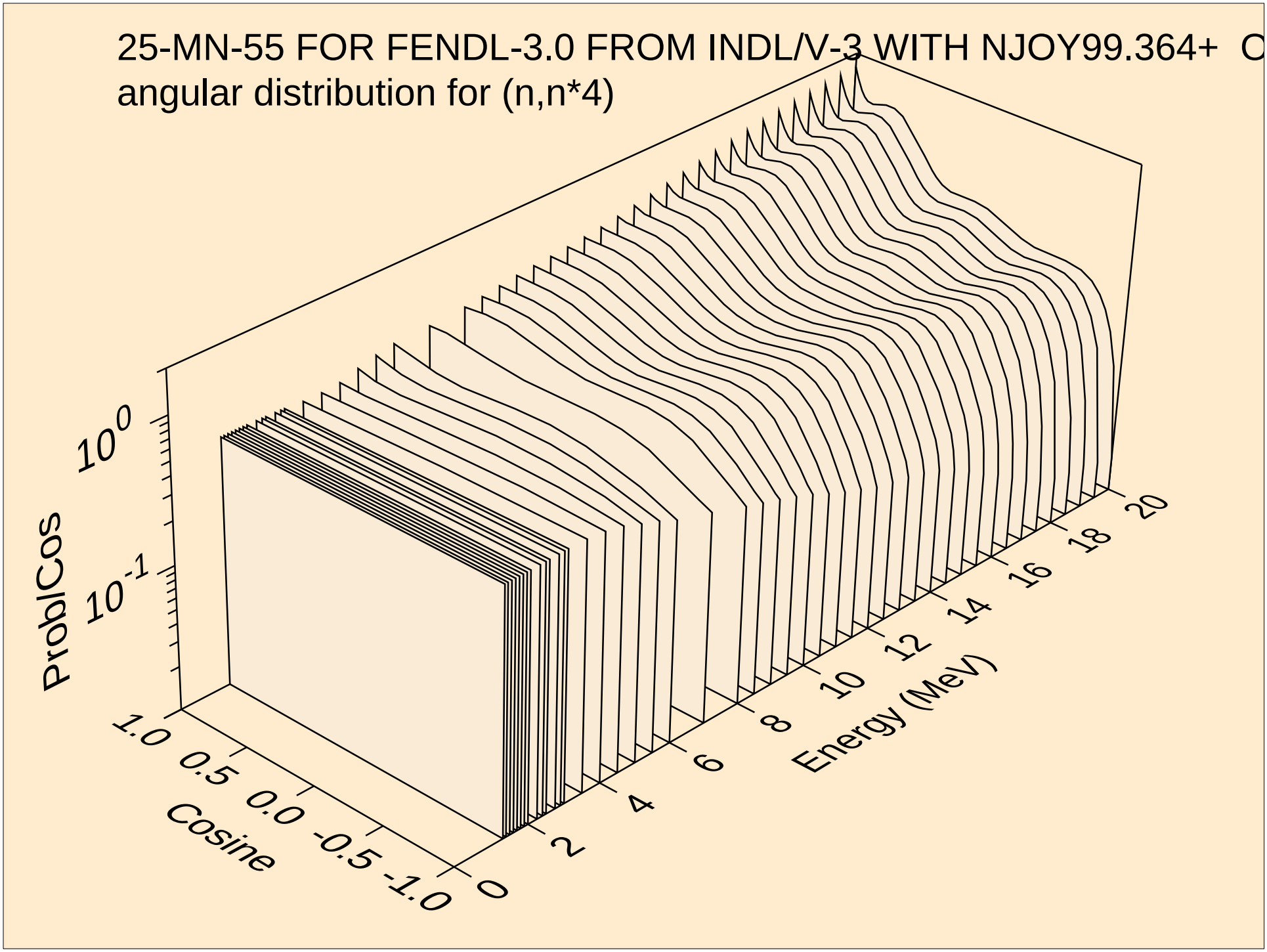

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*1)
Prob\Cos
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

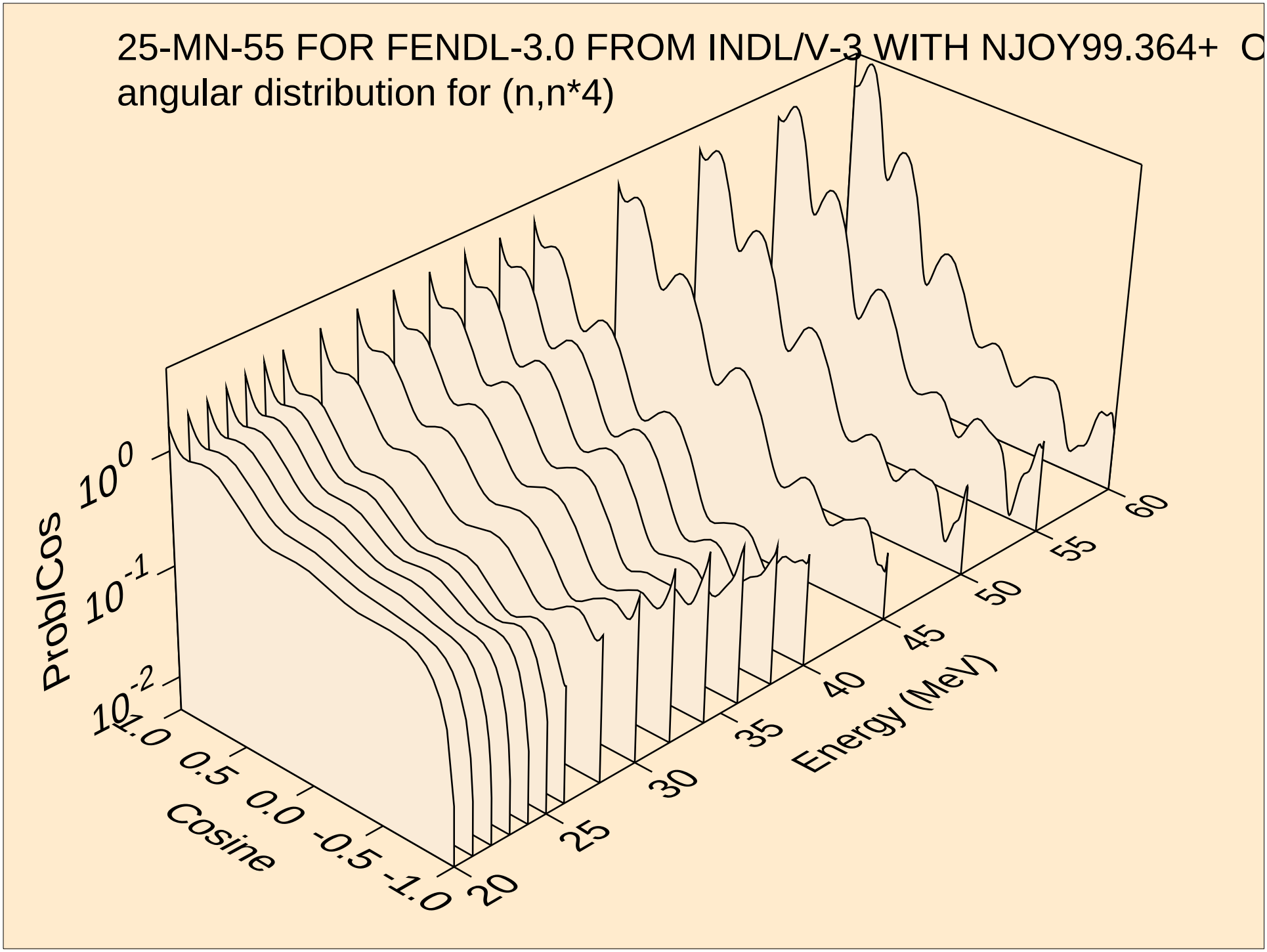

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*2)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

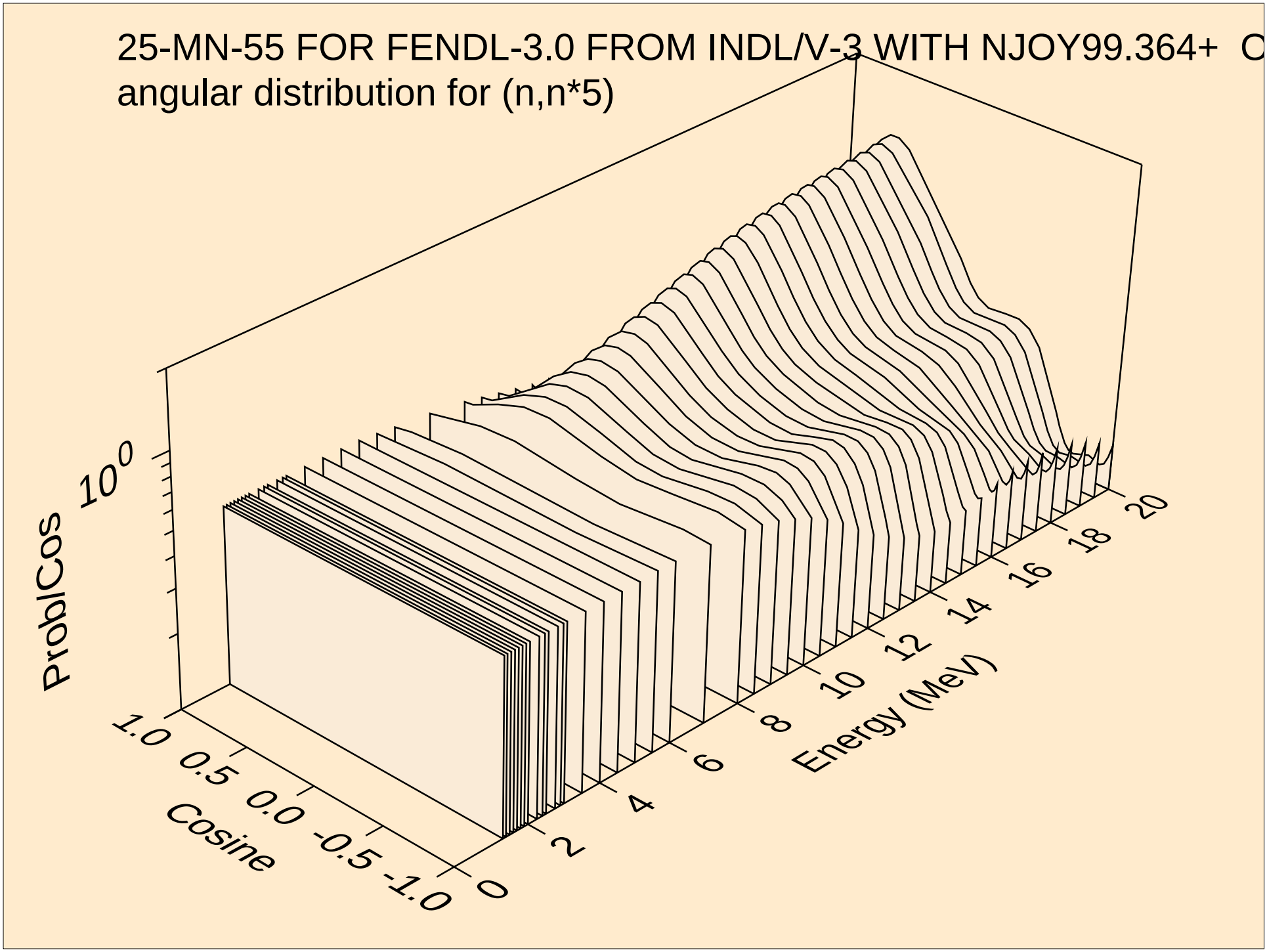

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*2)
ProbICos
10^{1}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

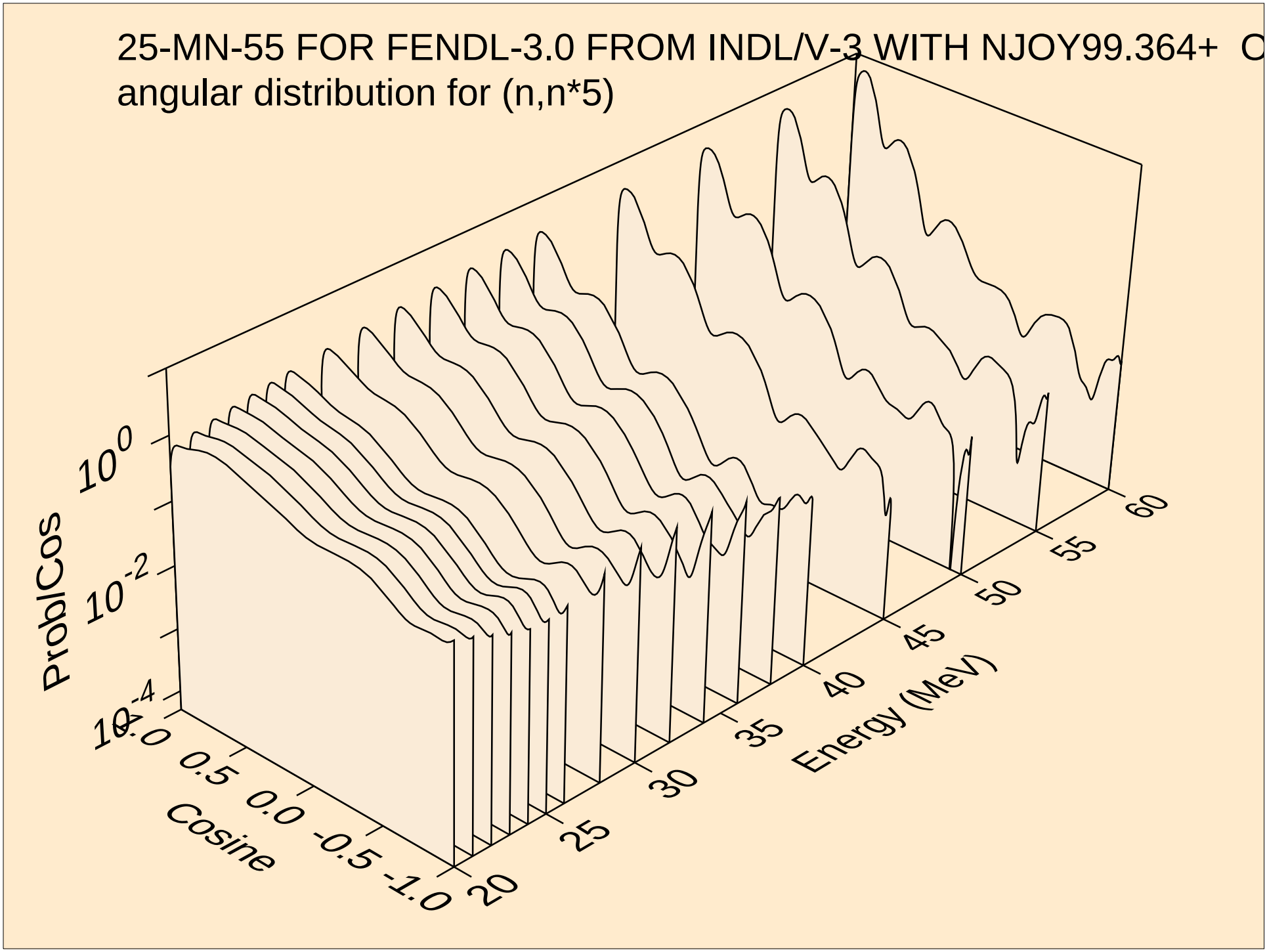

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*3)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

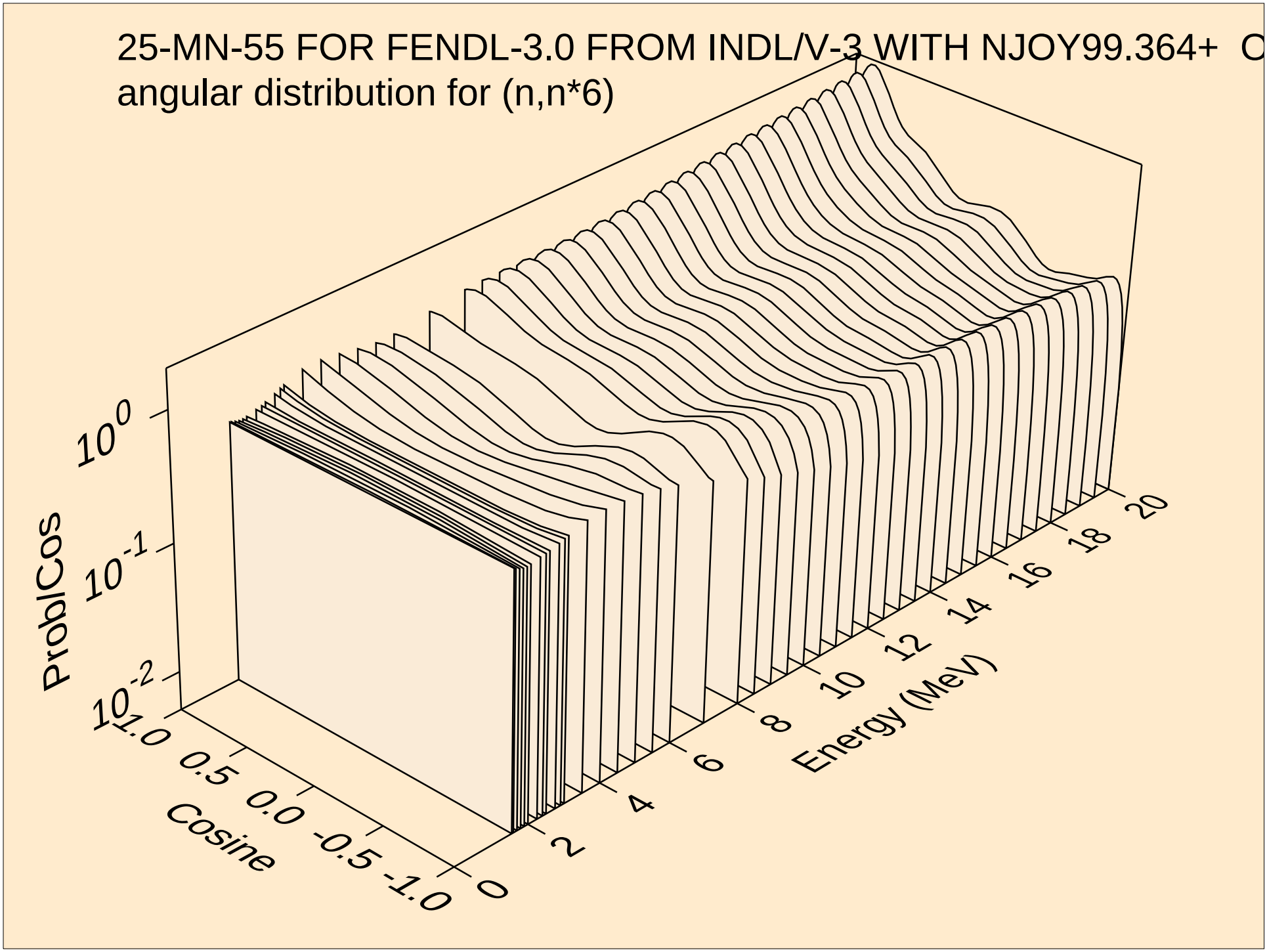

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*3)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

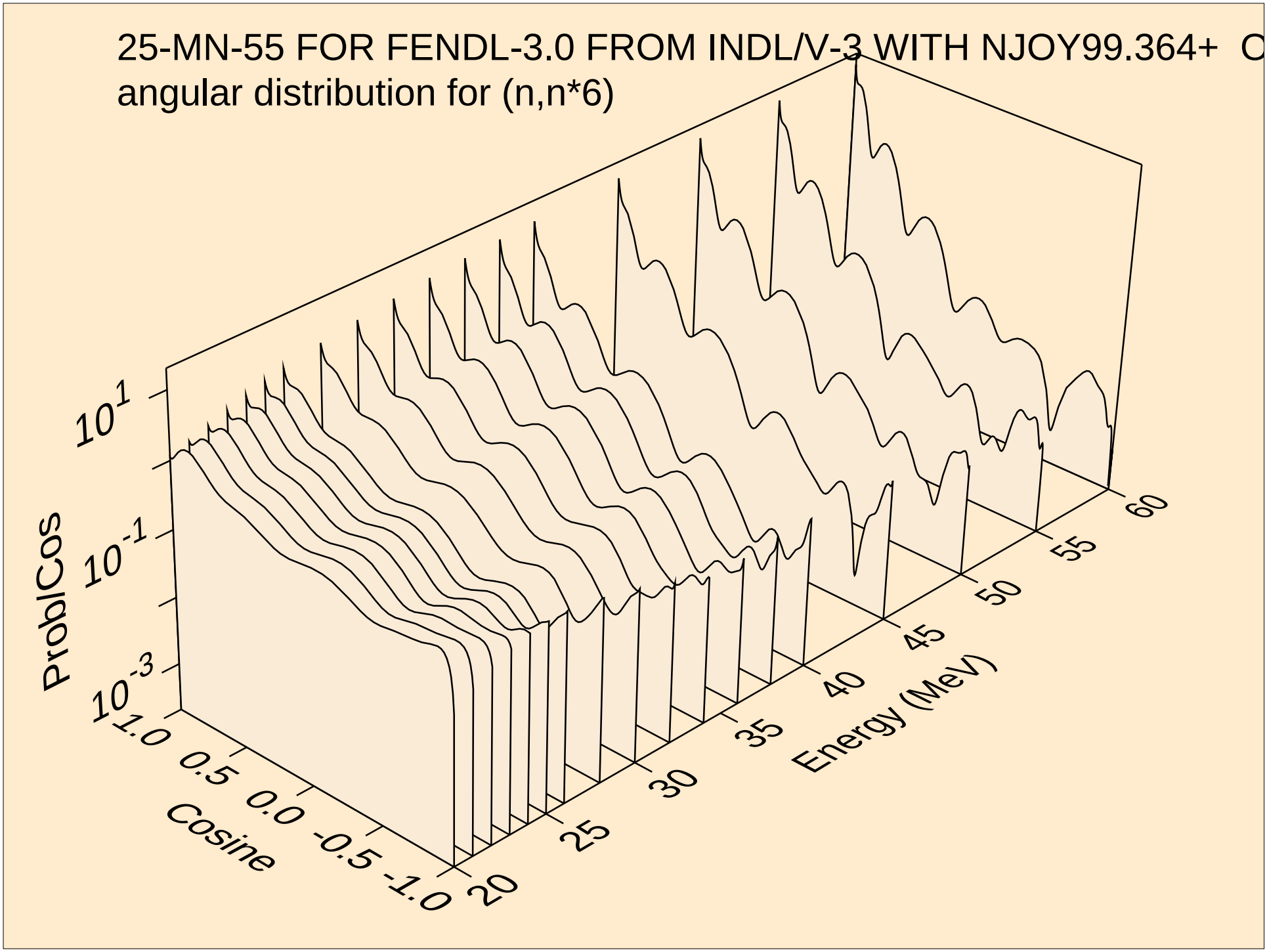

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*4)
Prob\Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

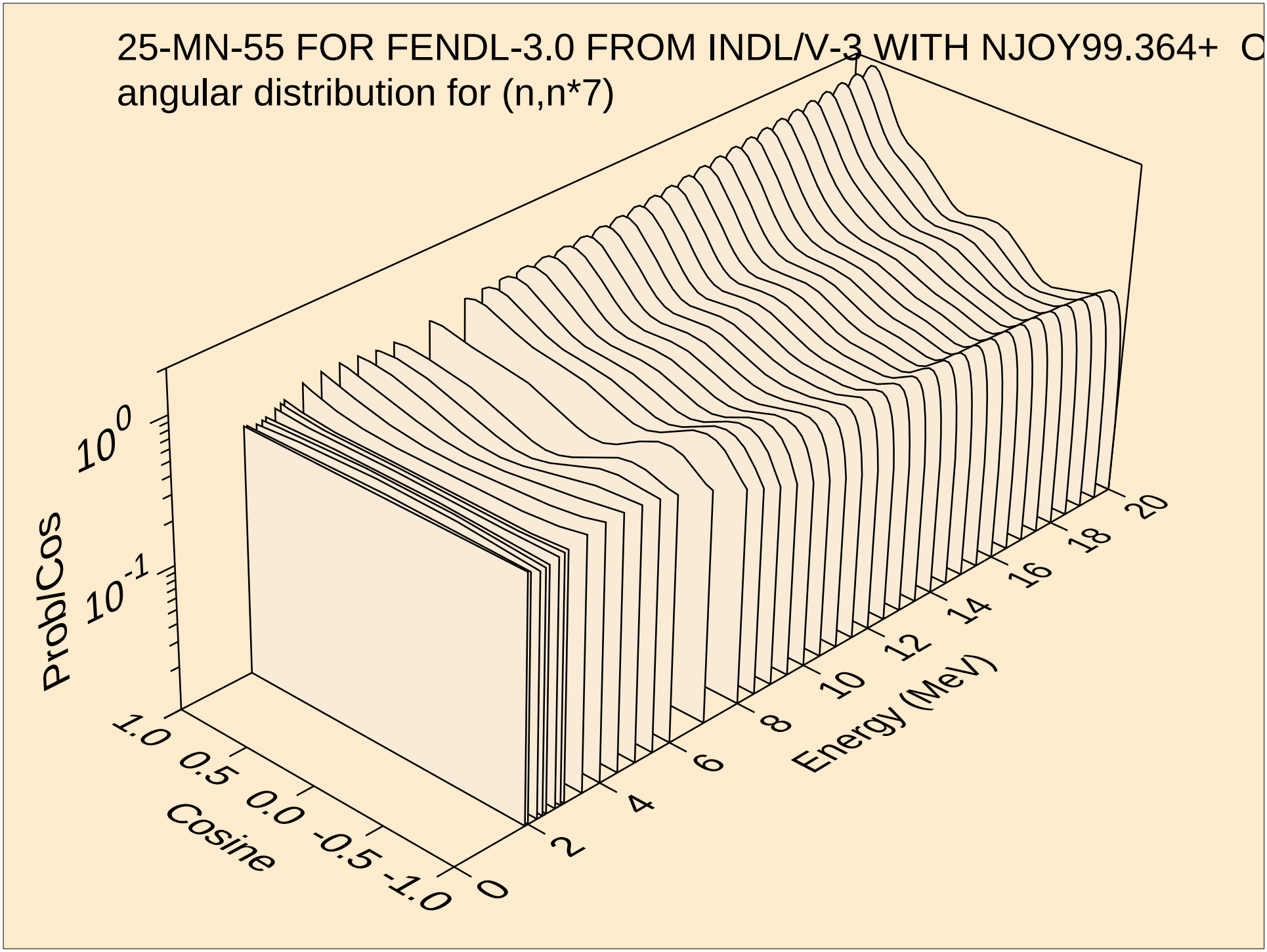

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*4)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

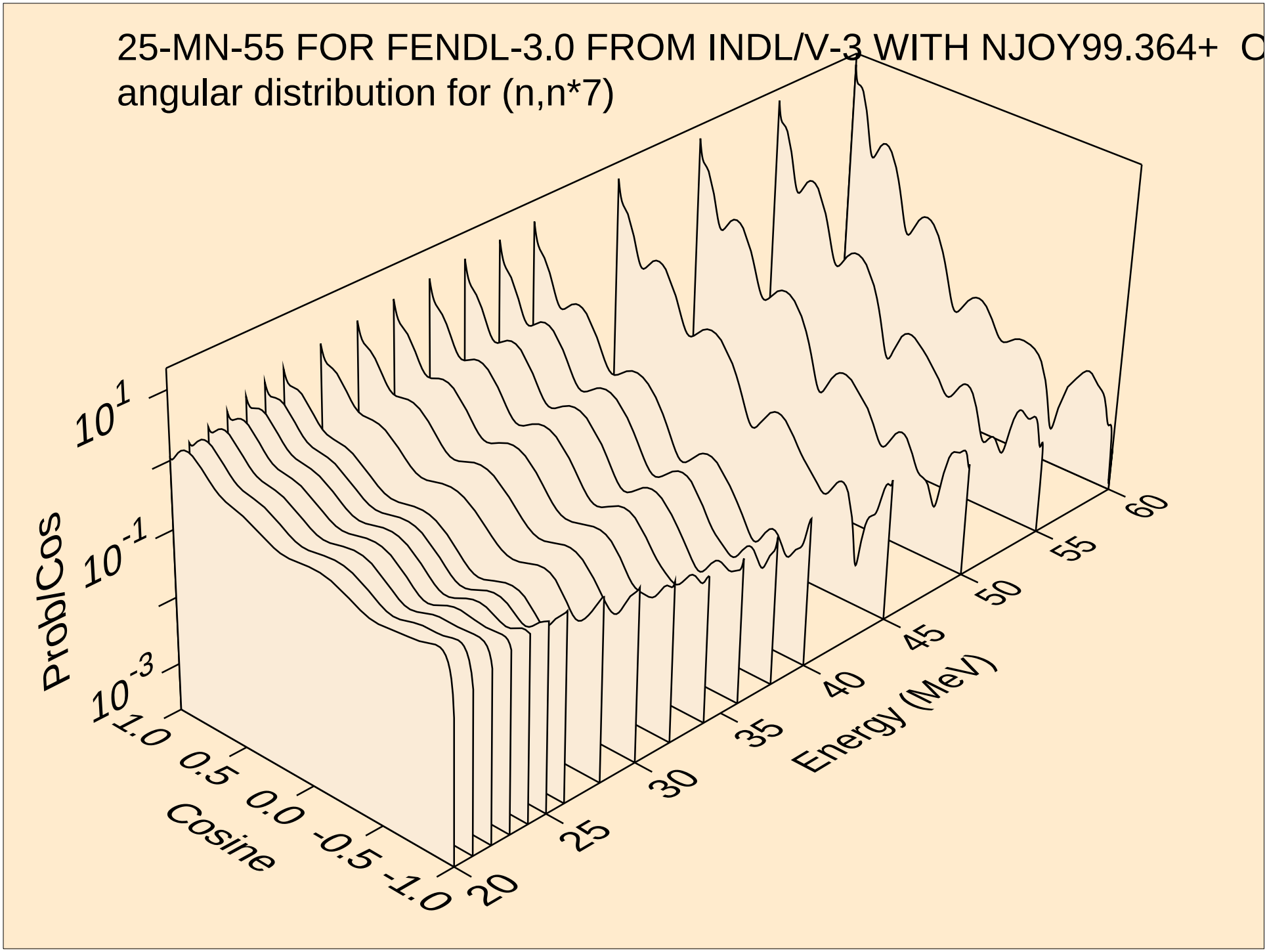

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*5)
ProbICos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

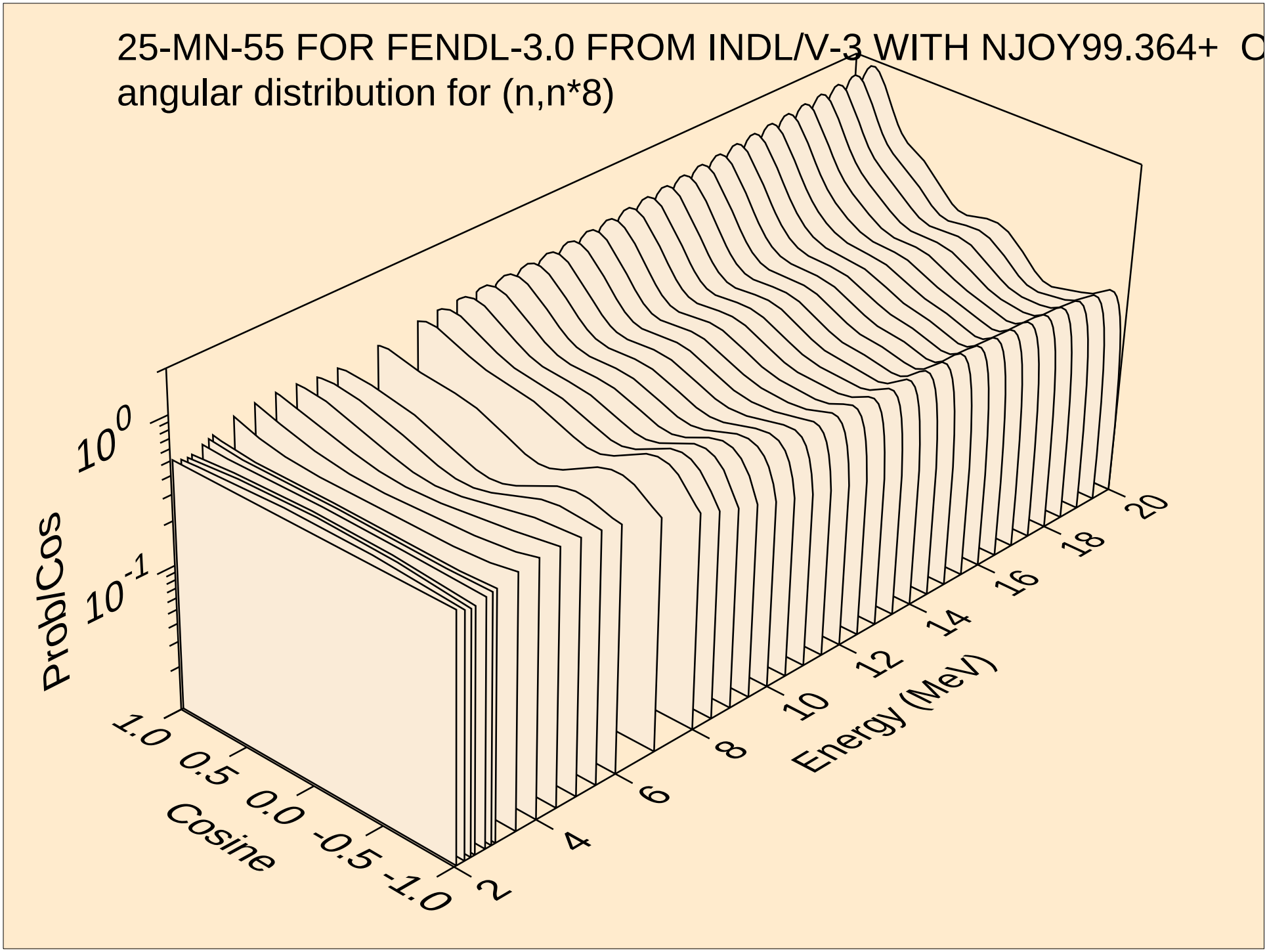

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*5)
Prob\Cos
10^0
10^-2
10^-4
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

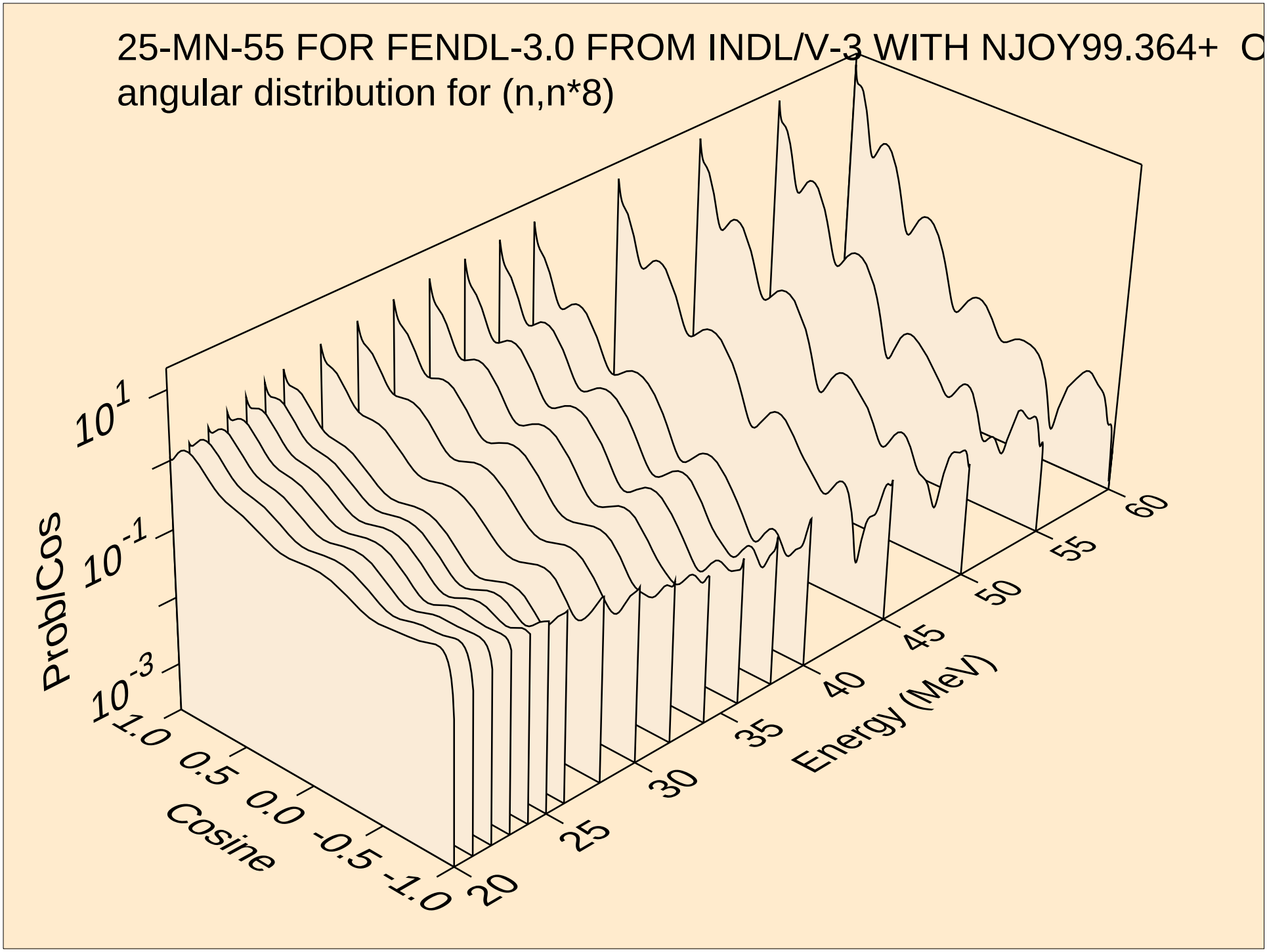

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*6)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

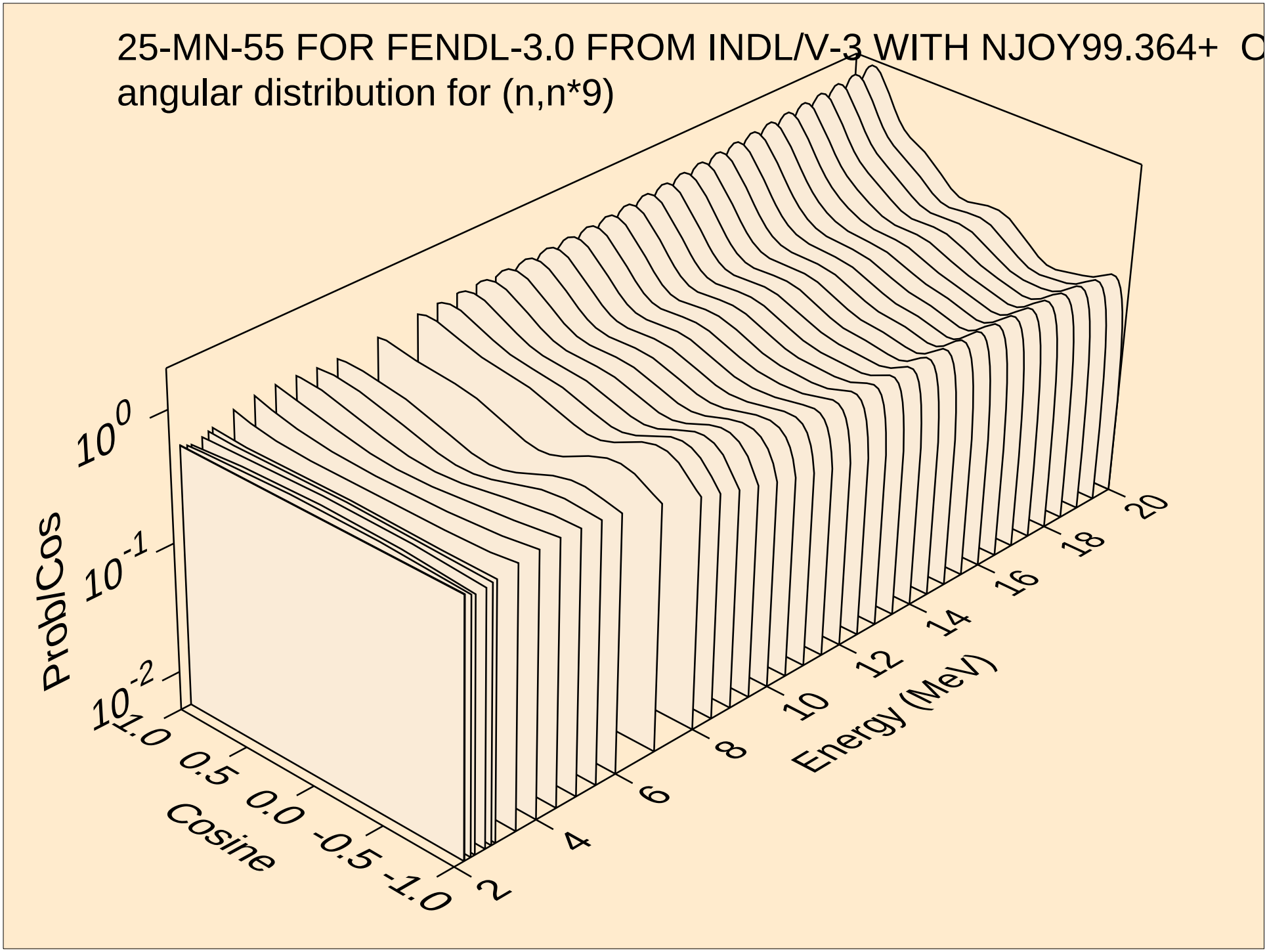

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*6)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

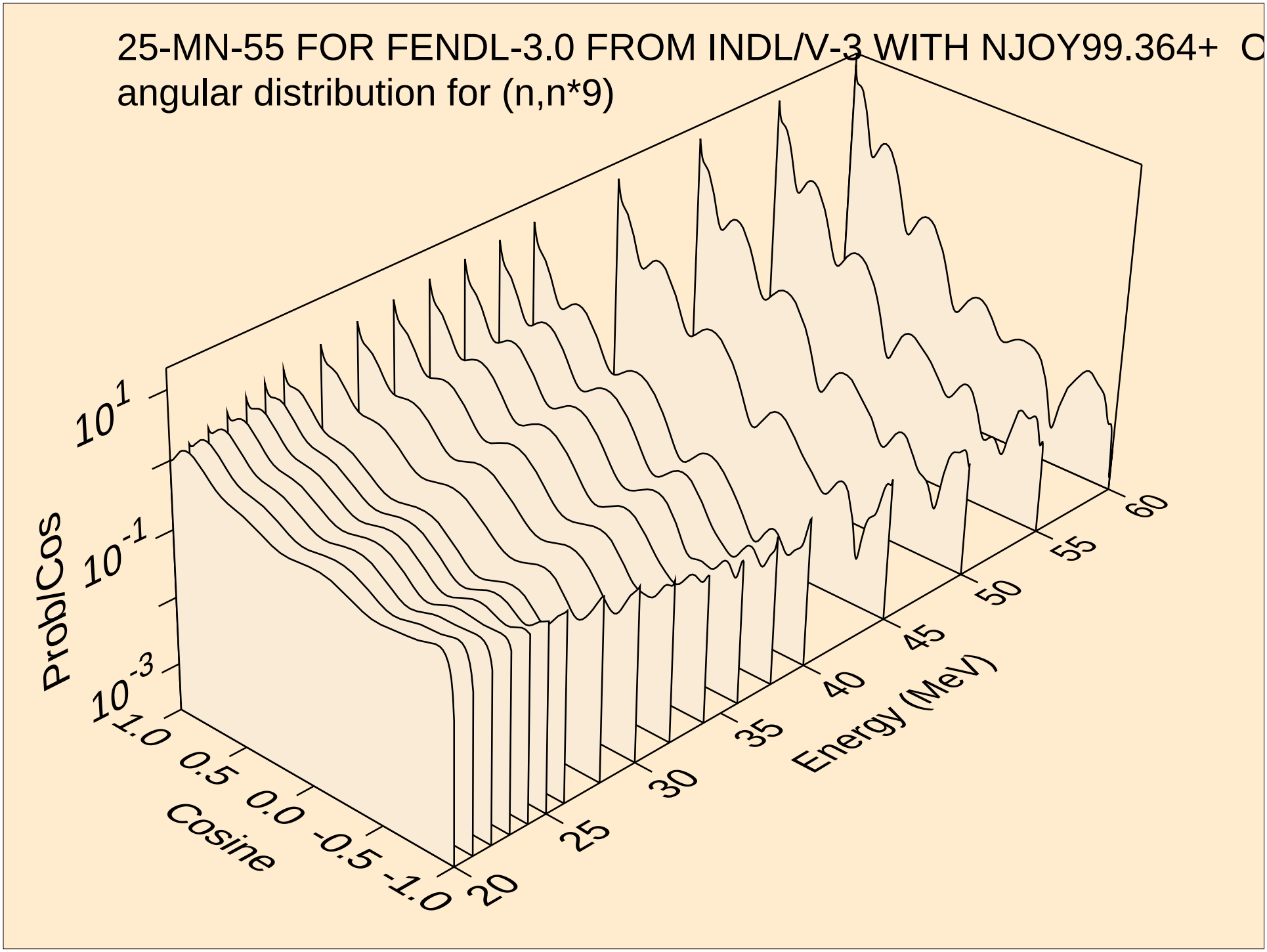

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*7)
Prob\Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

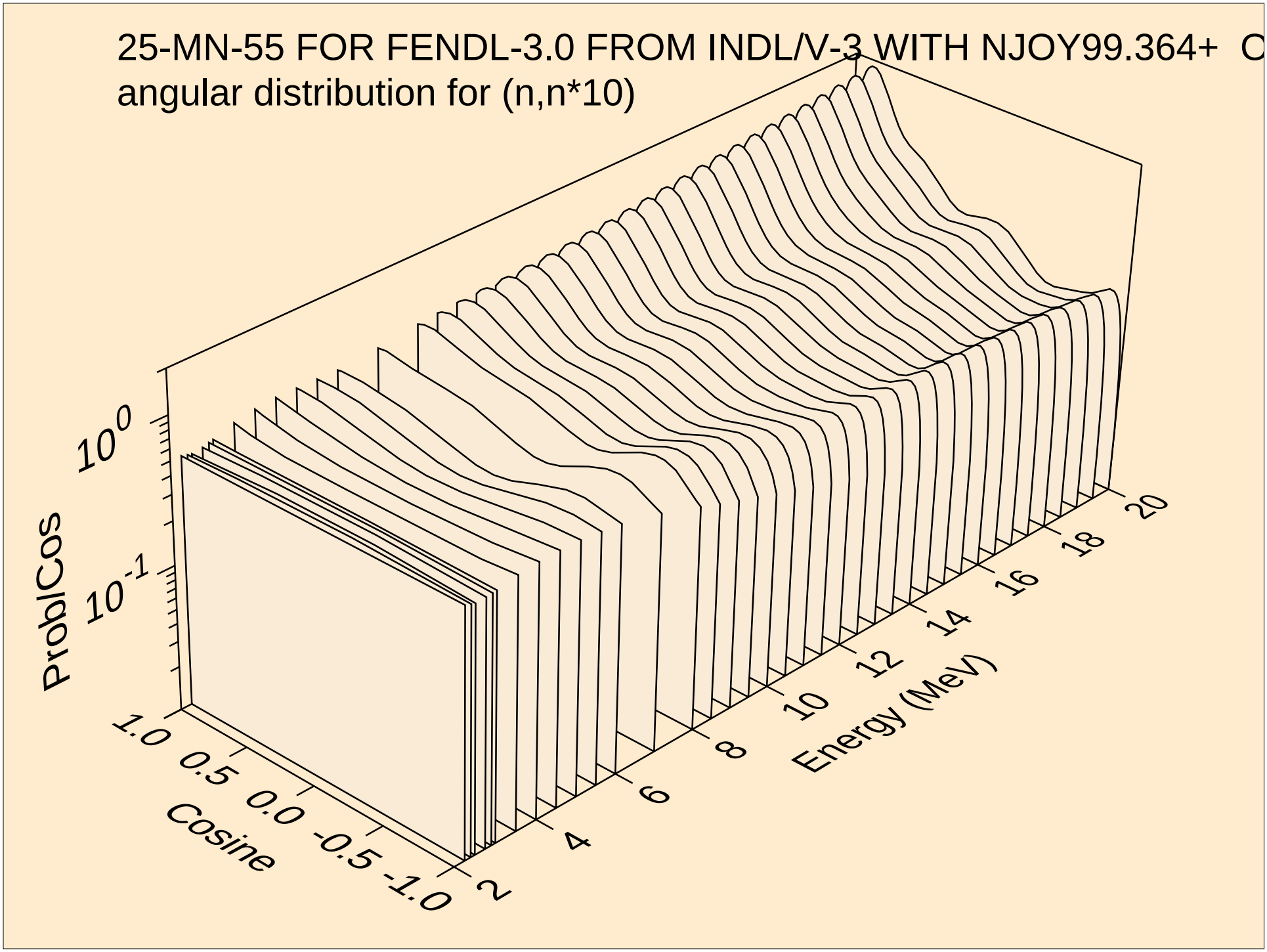

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*7)
ProbCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
20
25
30
35
40
45
50
55
60

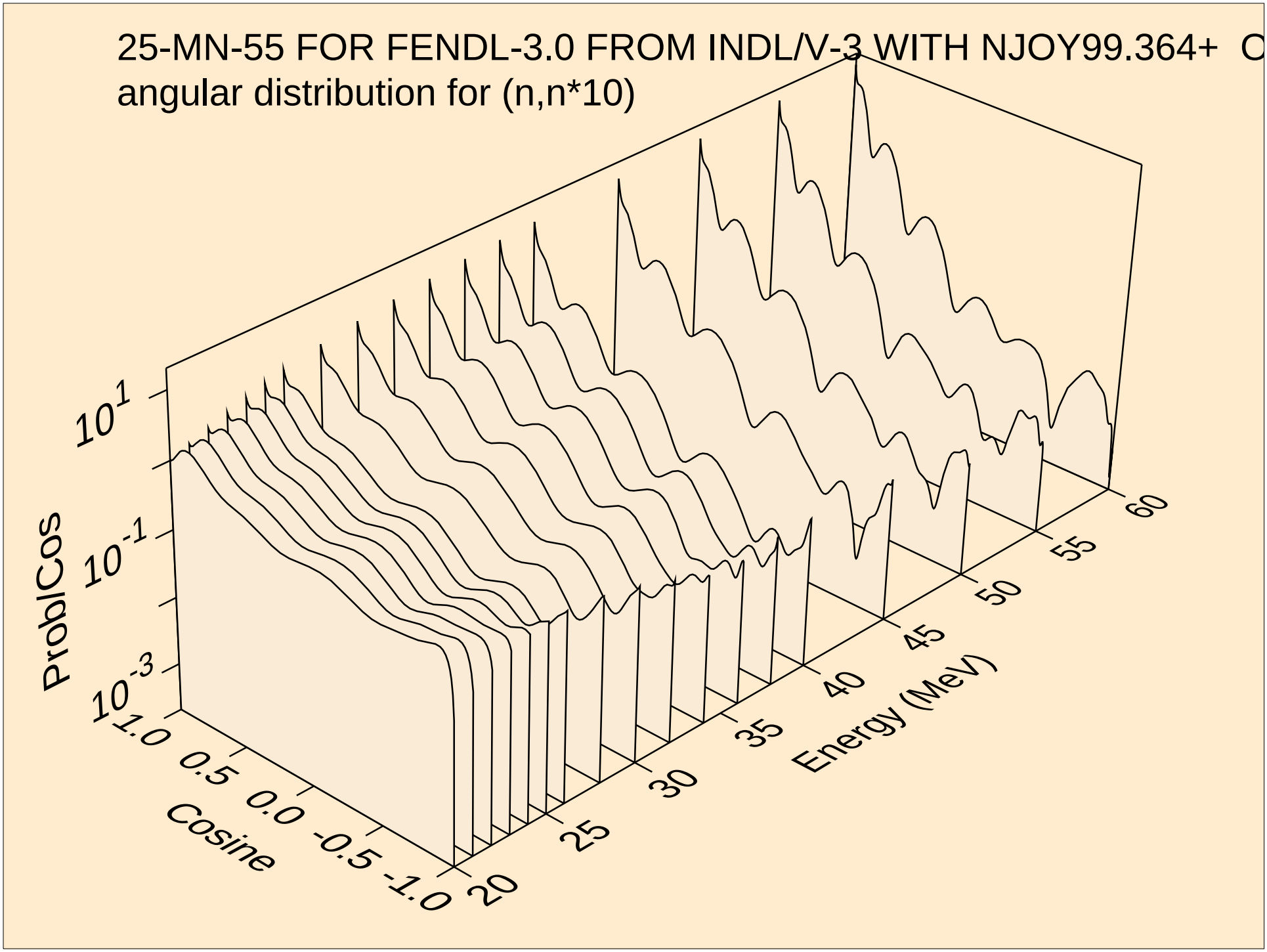

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*8)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

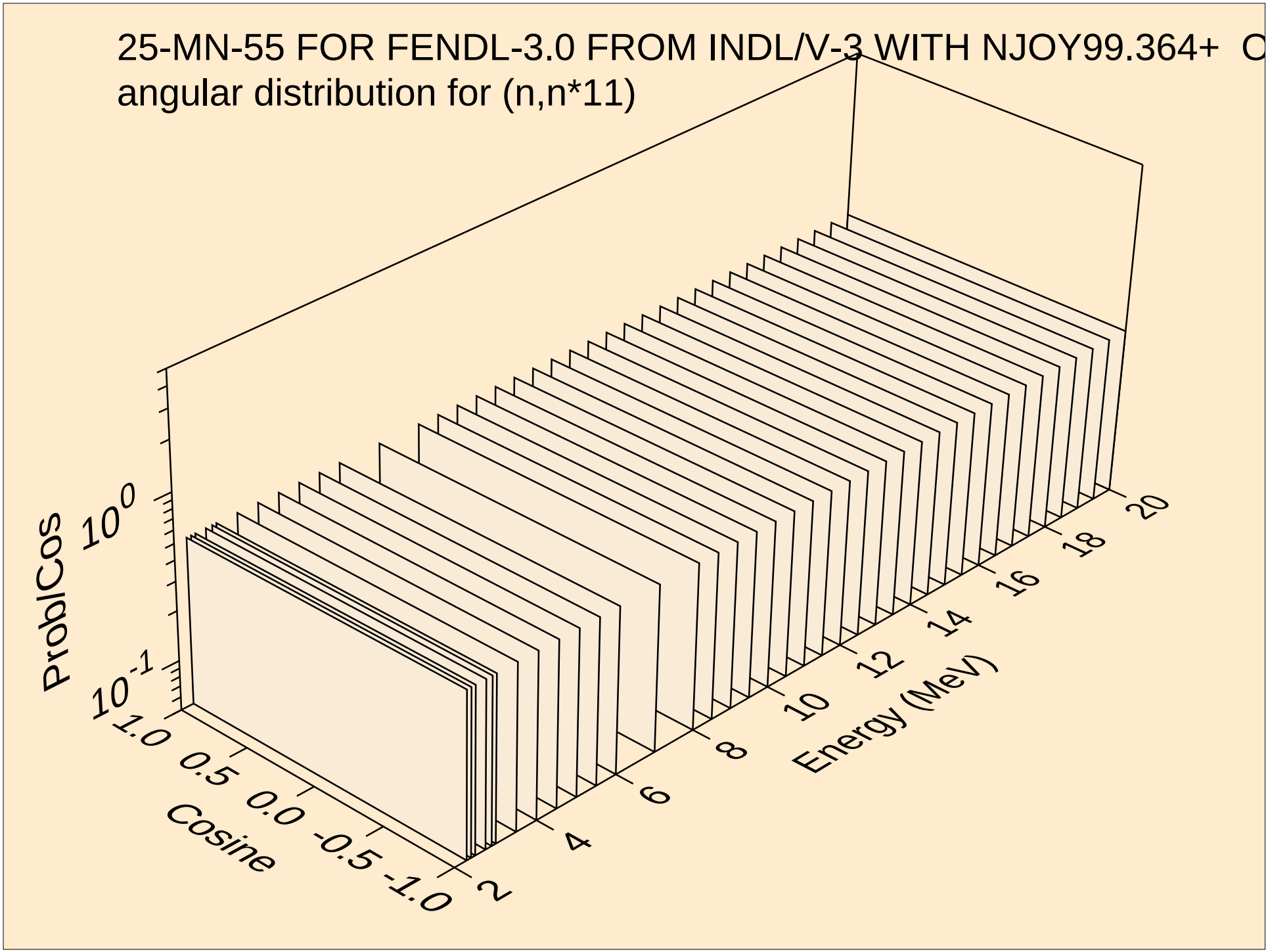

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*8)
ProbCos
10^{1}
10^{-1}
10^{-3}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

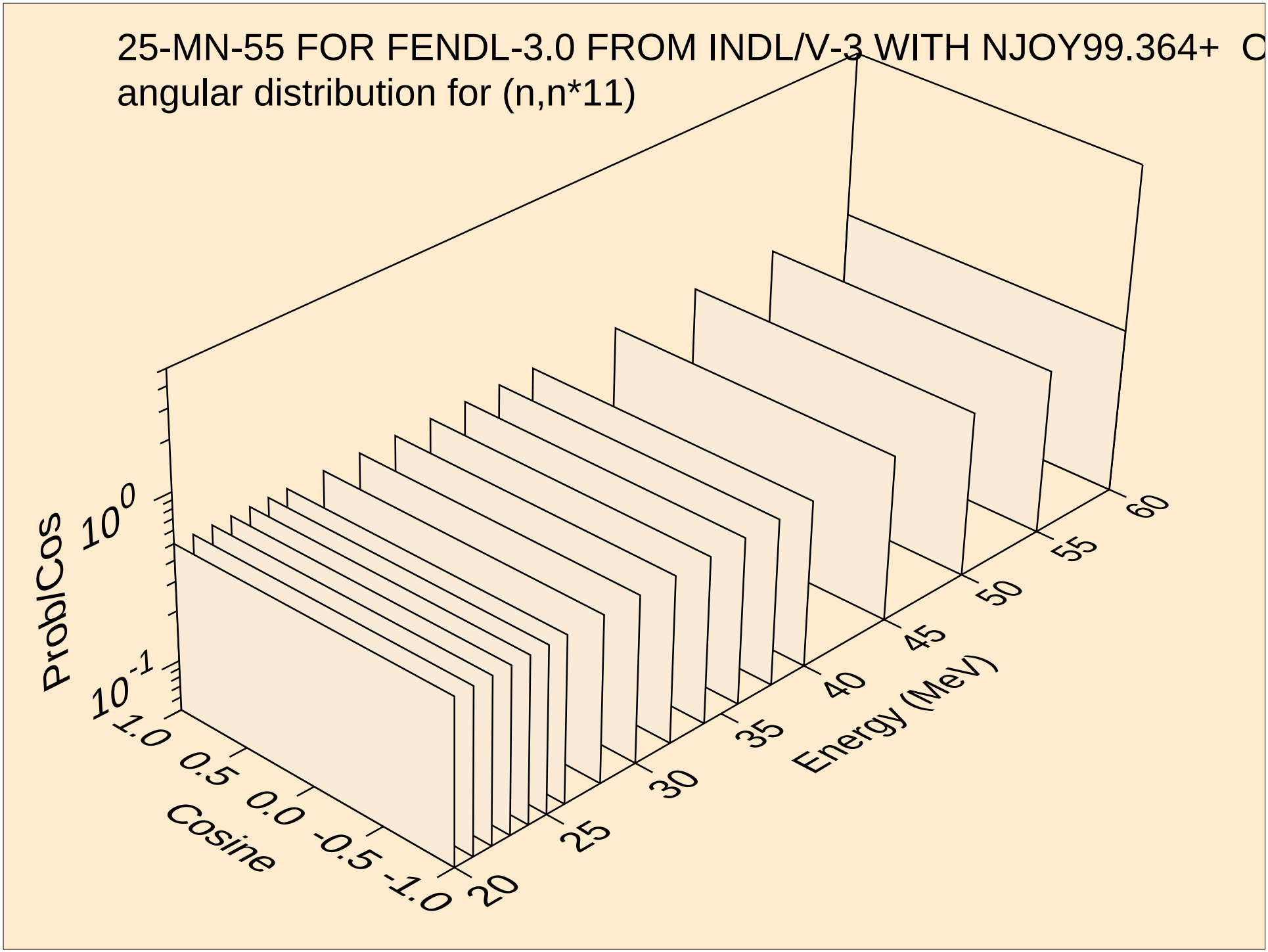

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*9)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

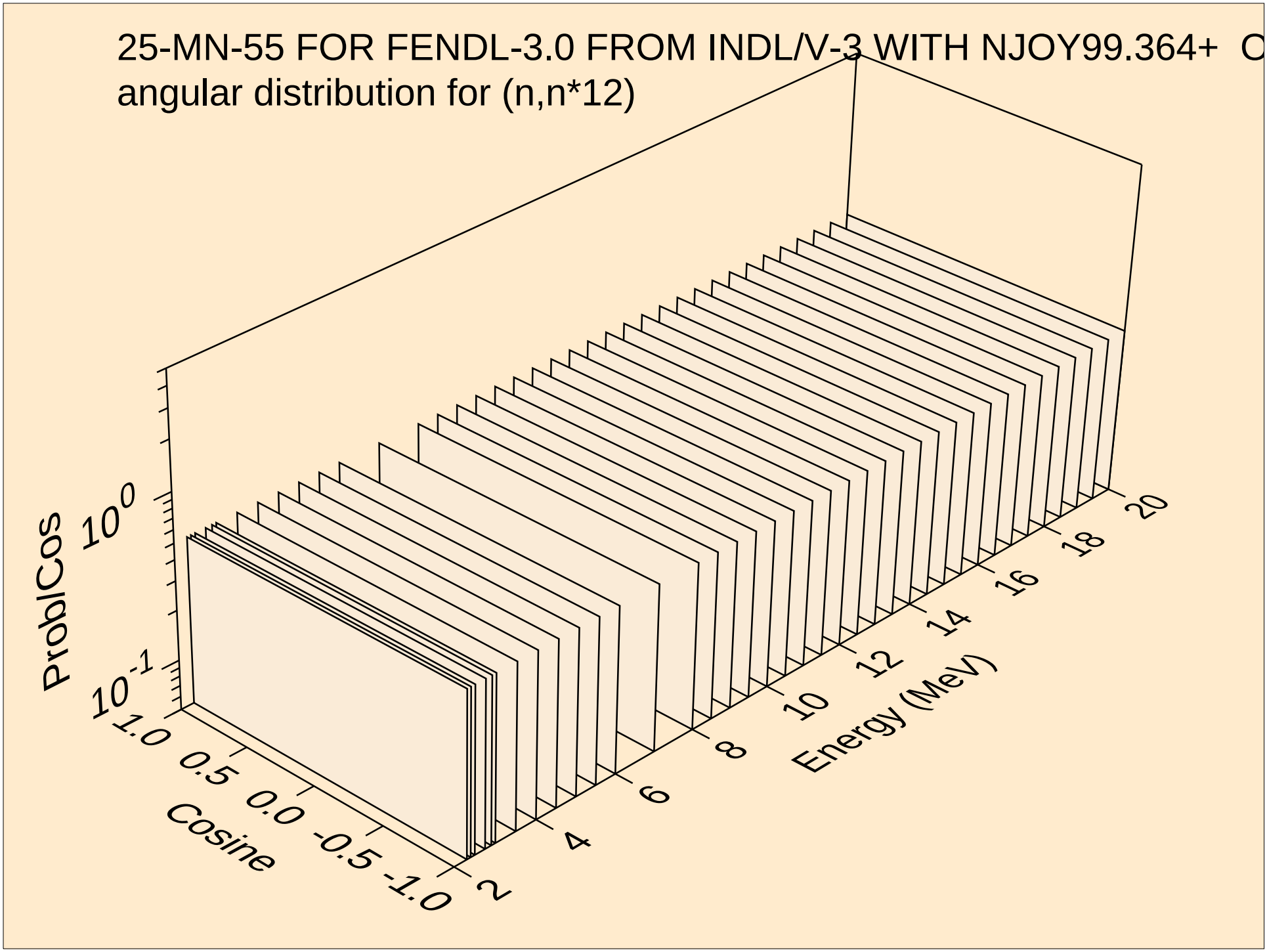

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*9)
ProbCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
20
25
30
35
40
45
50
55
60

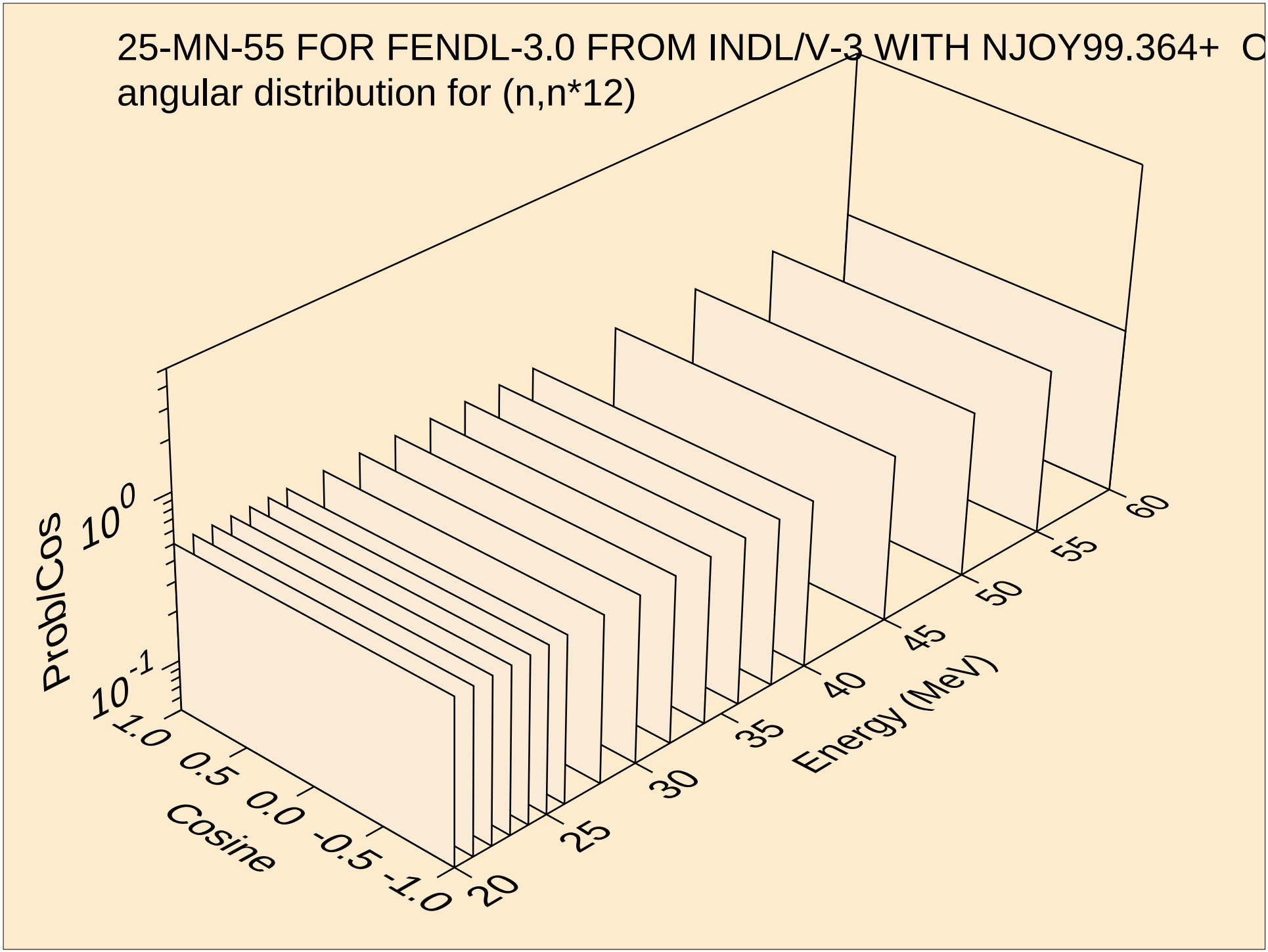

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*10)
Prob\Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

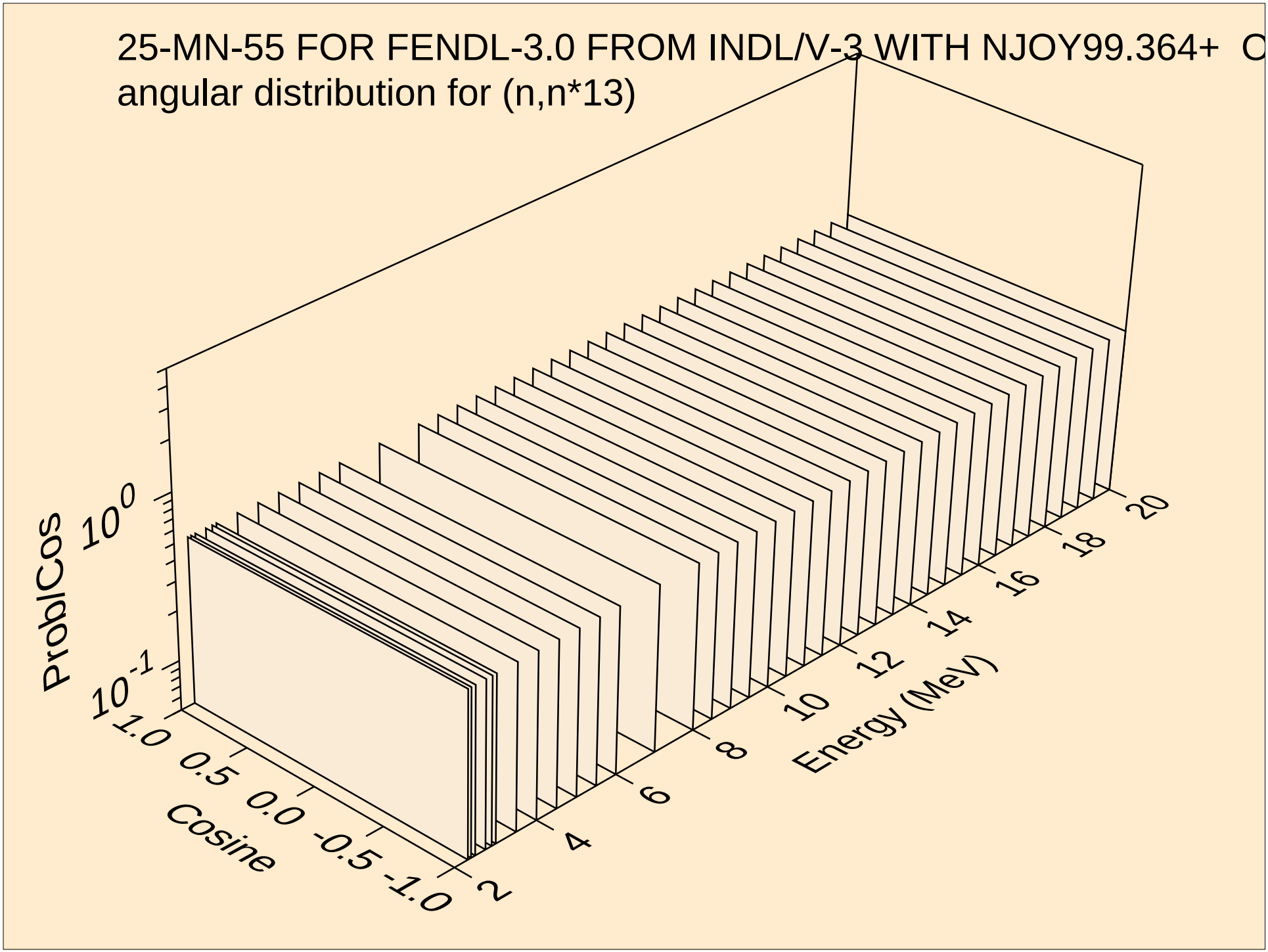

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*10)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

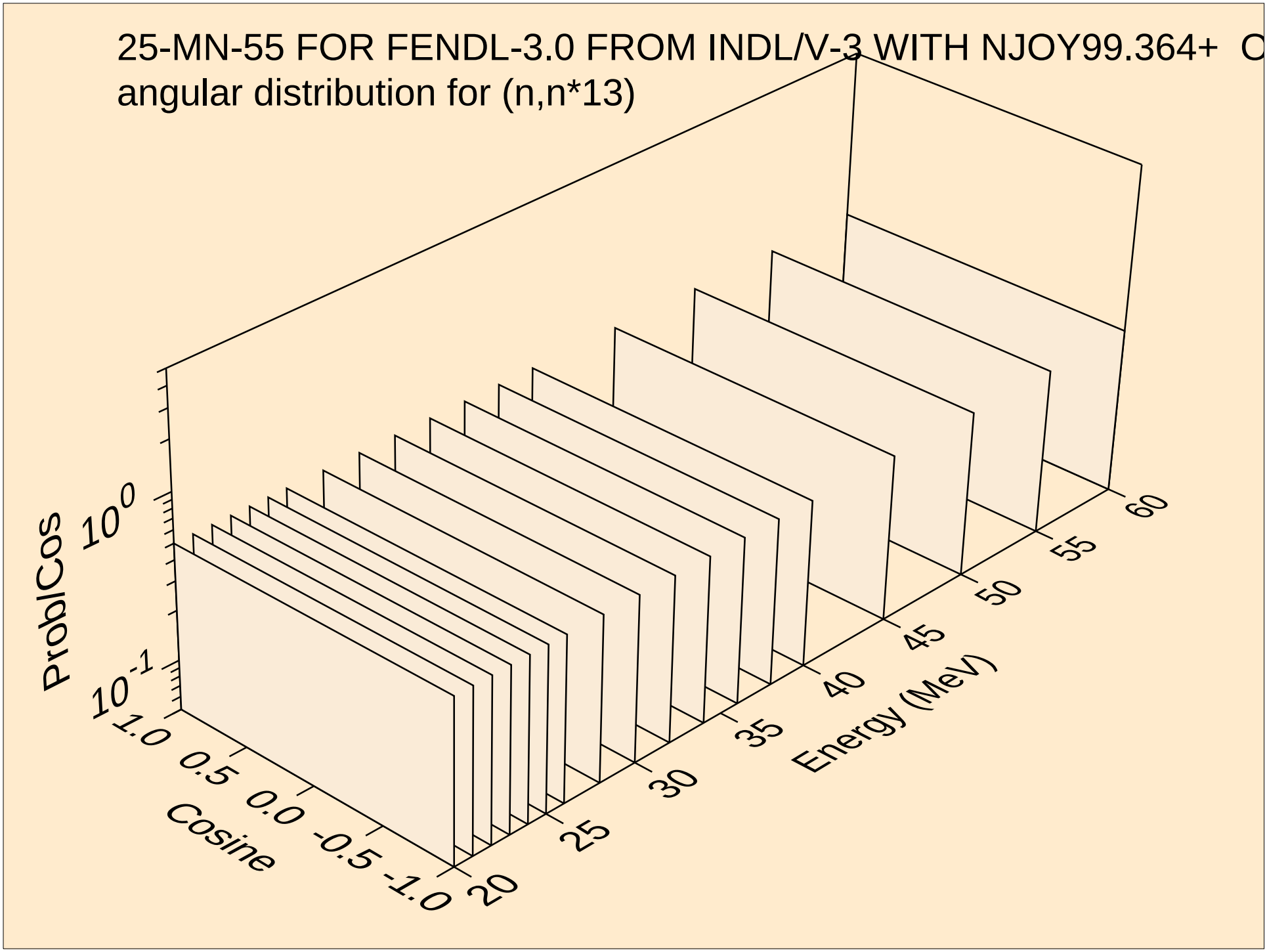

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*11)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

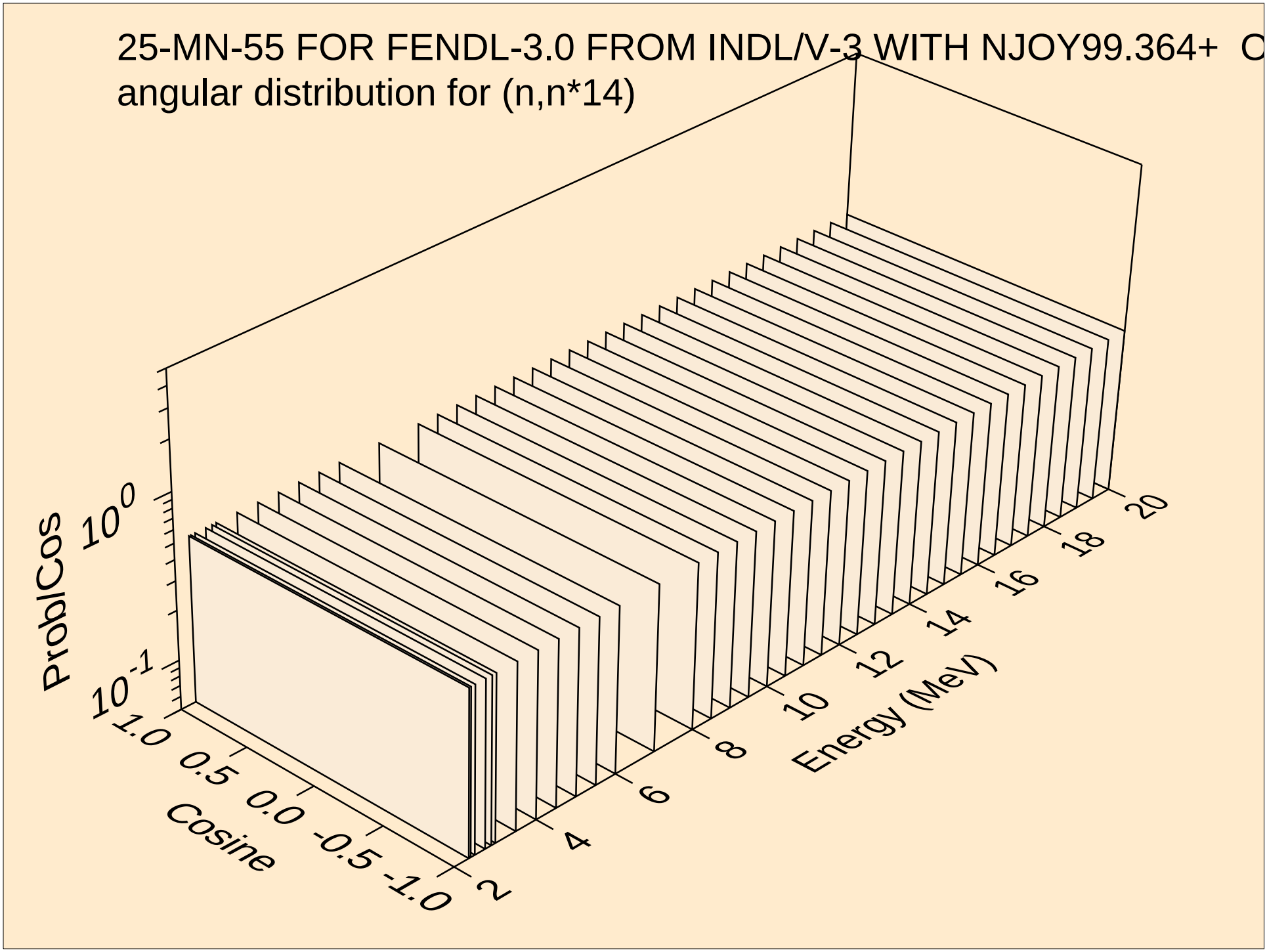

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*11)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

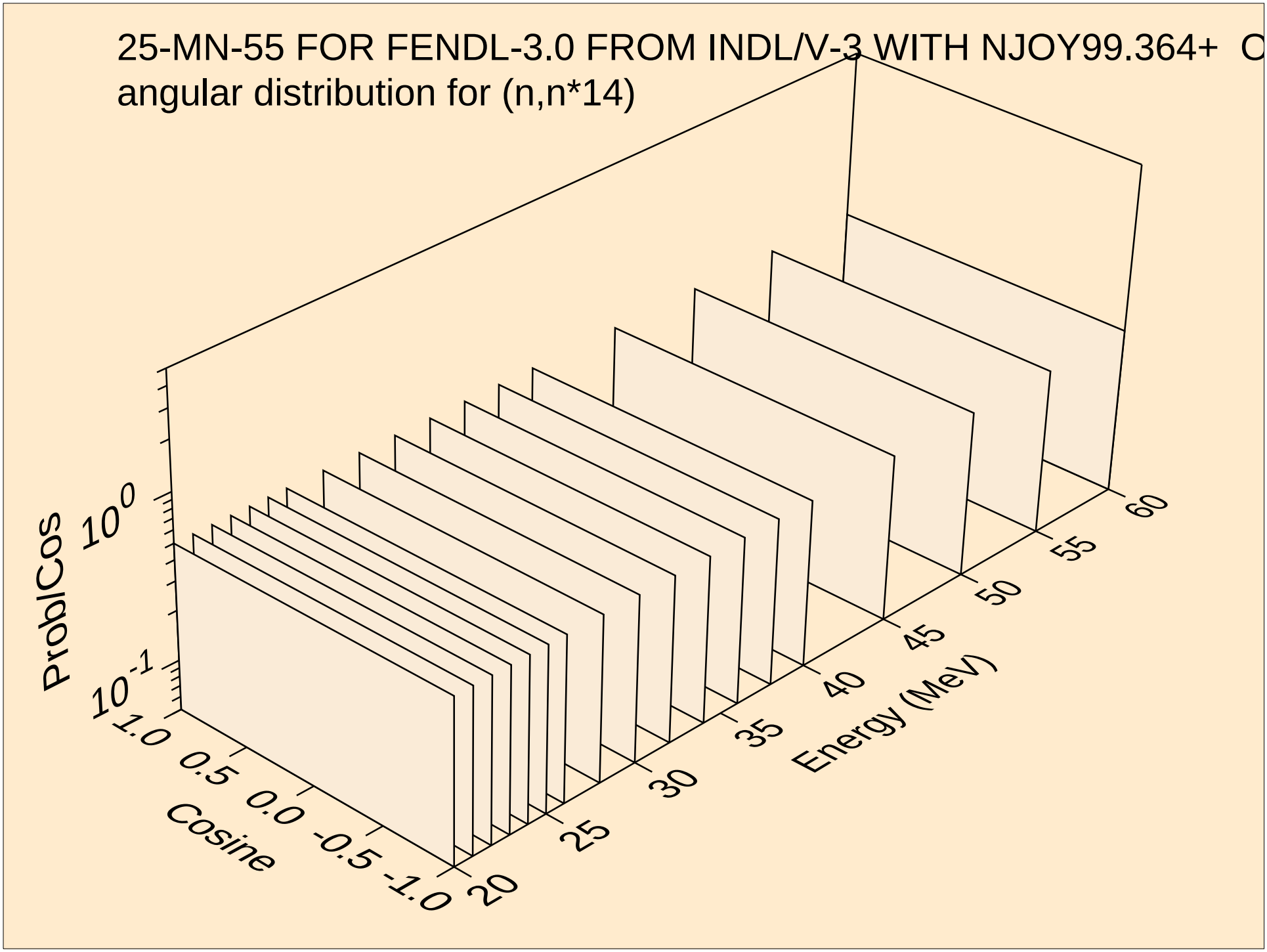

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*12)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

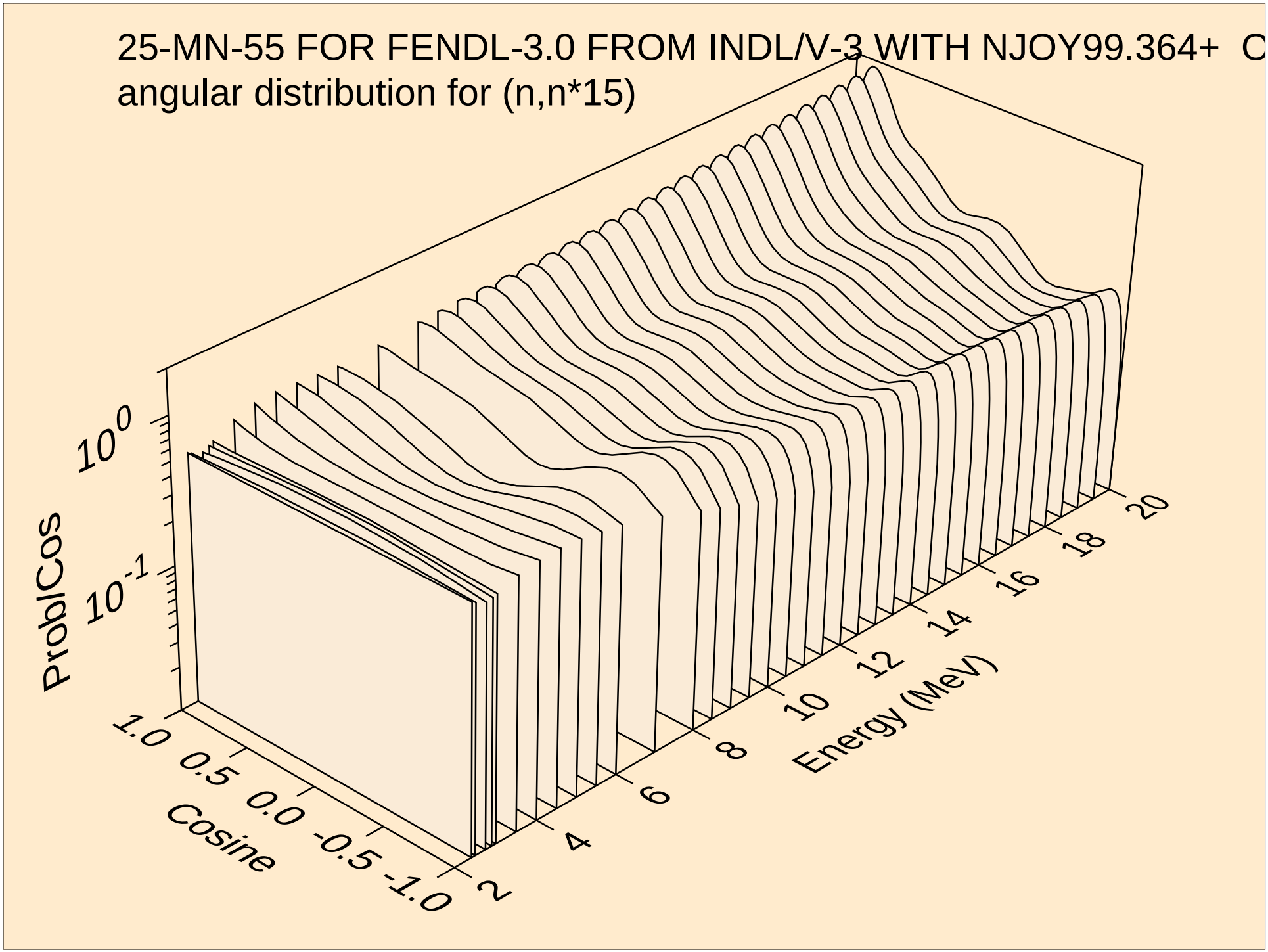

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*12)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

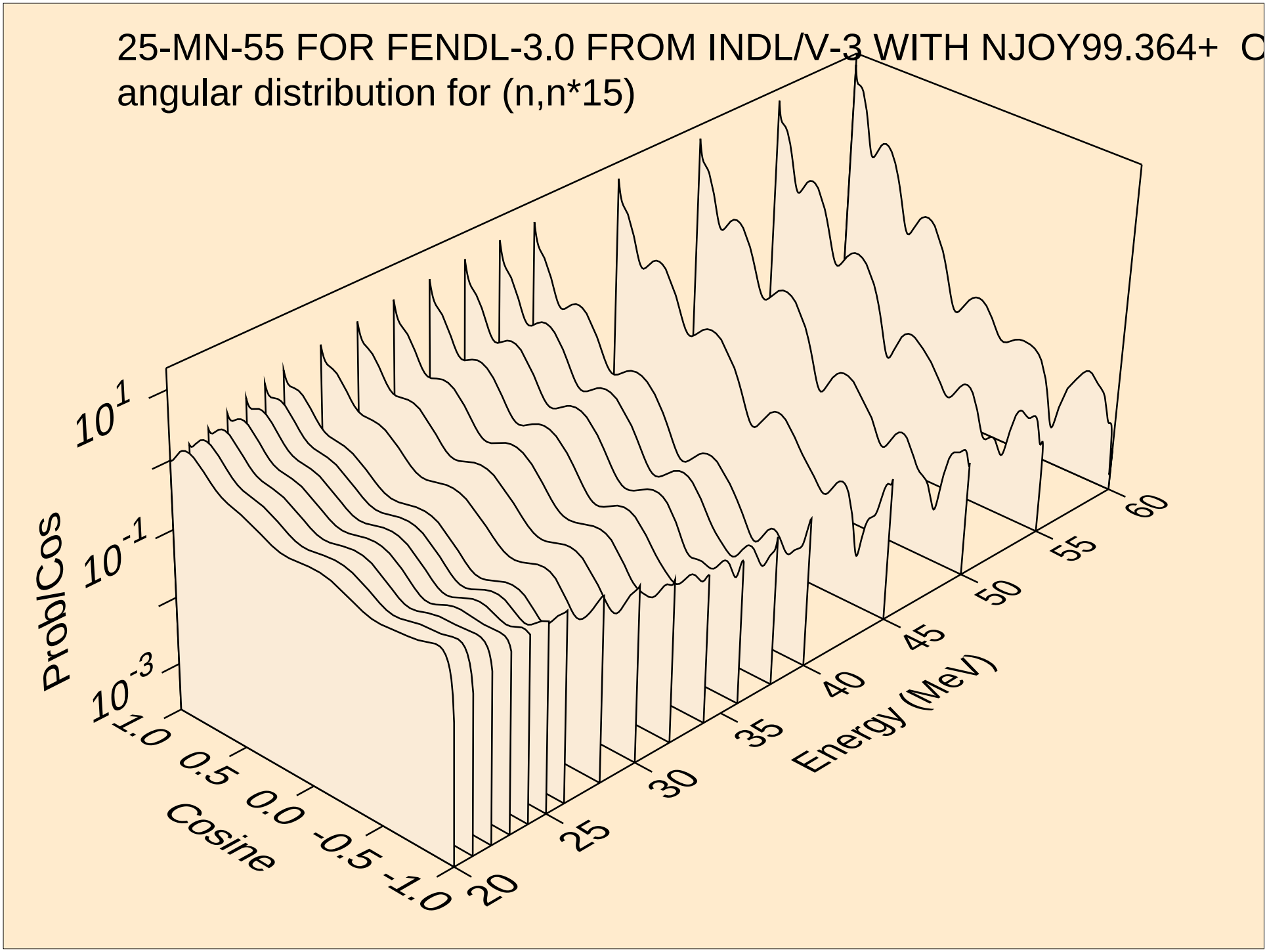

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*13)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

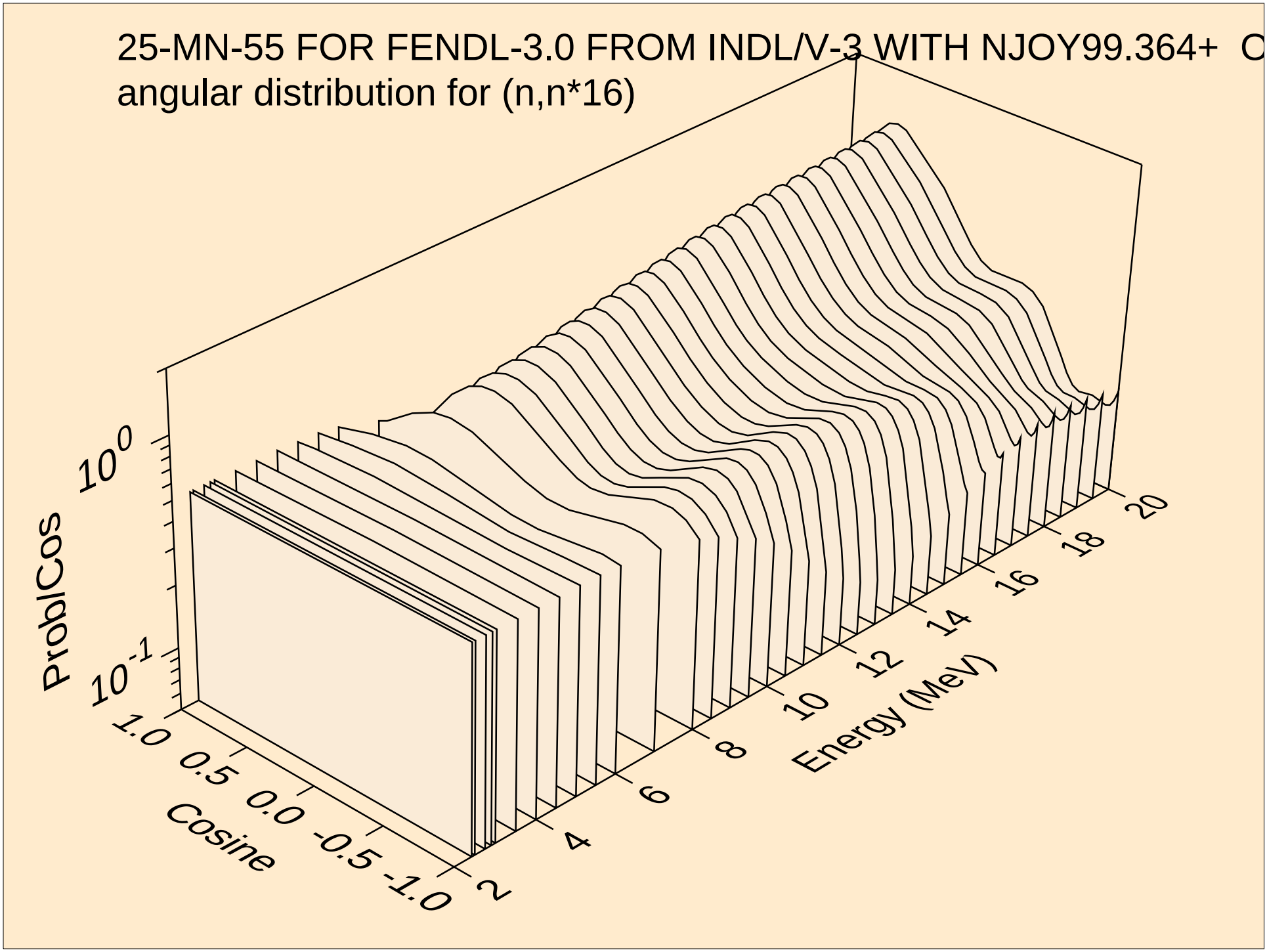

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*13)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

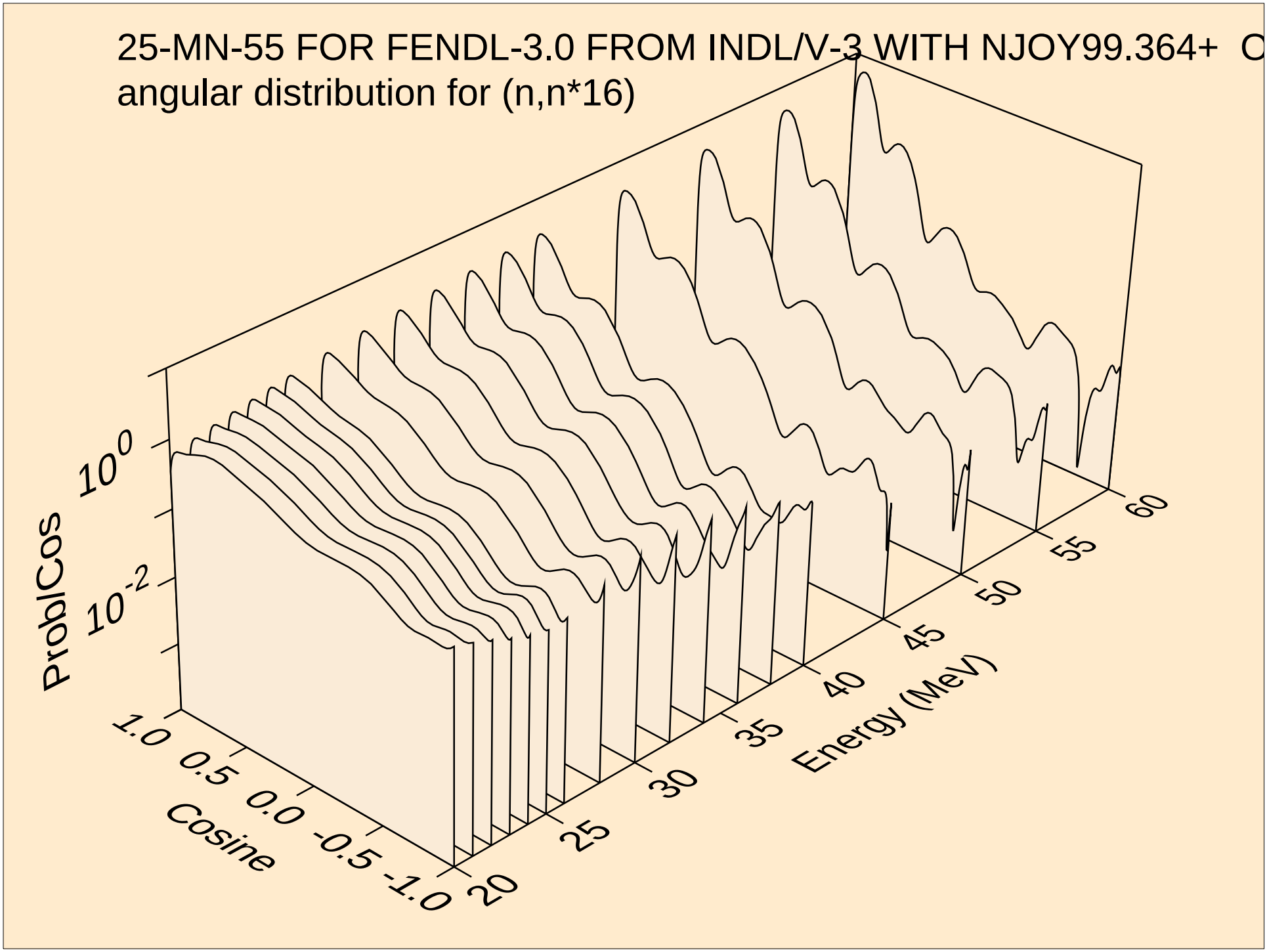

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*14)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

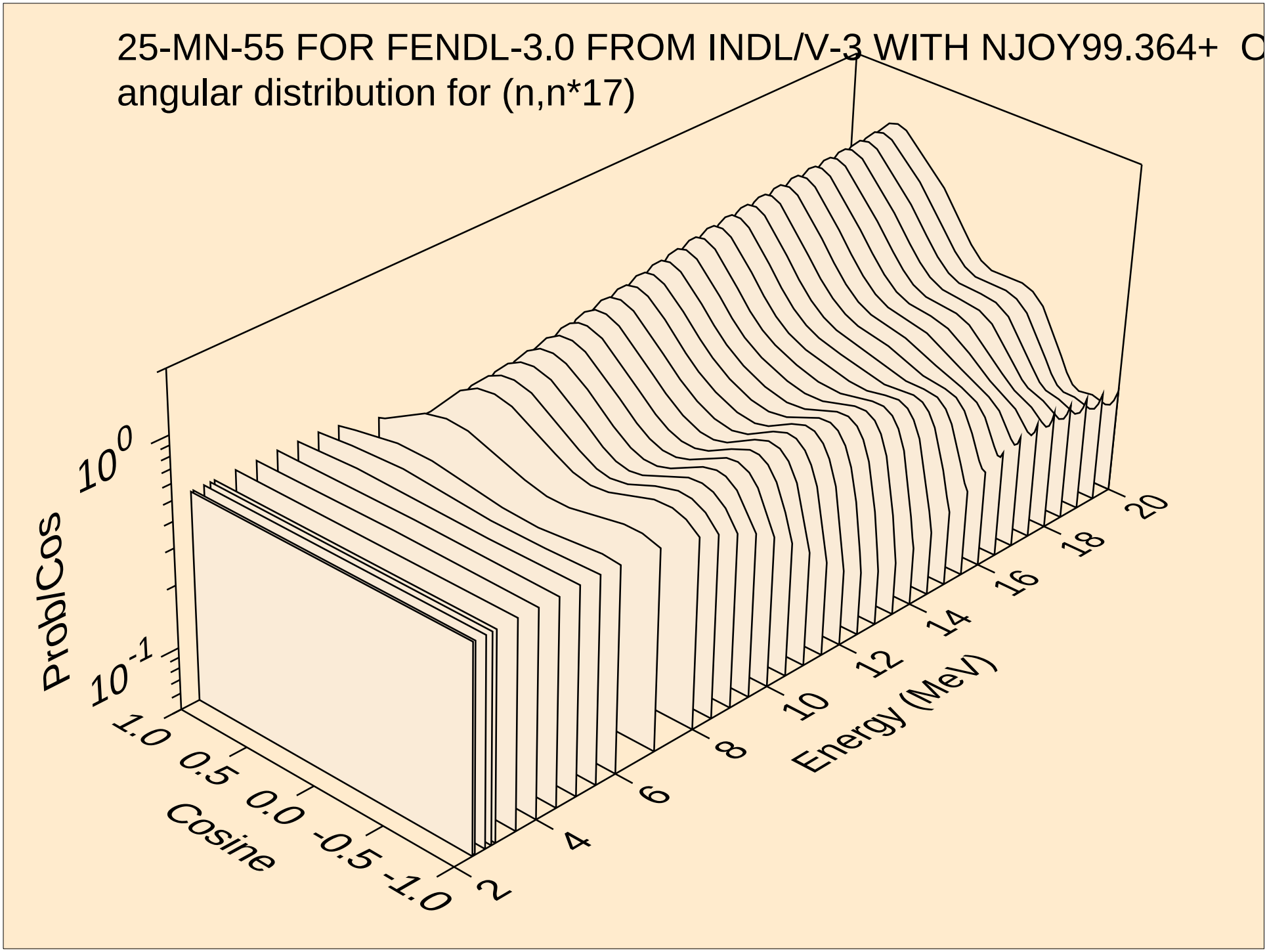

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*14)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

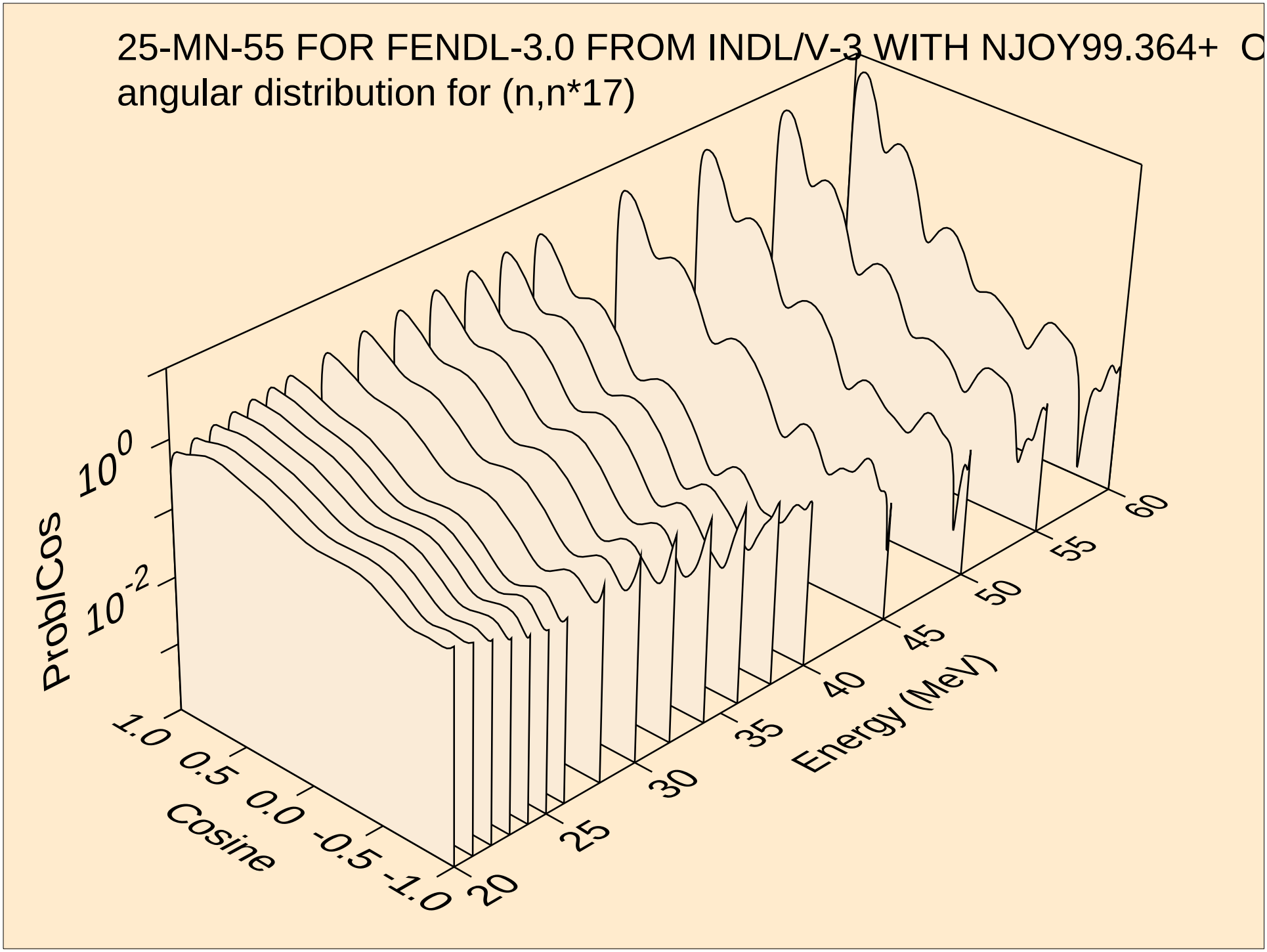

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*15)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

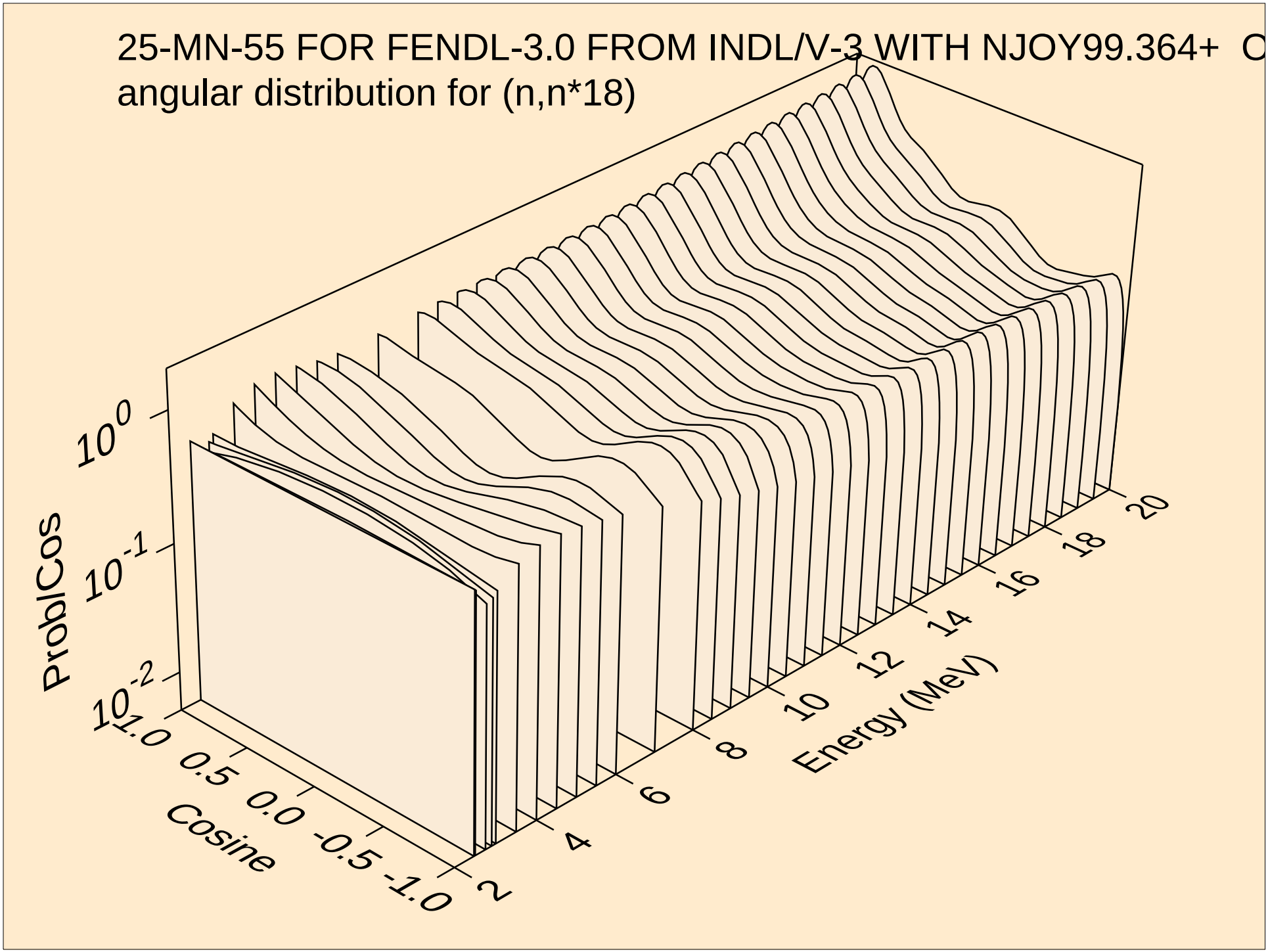

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*15)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

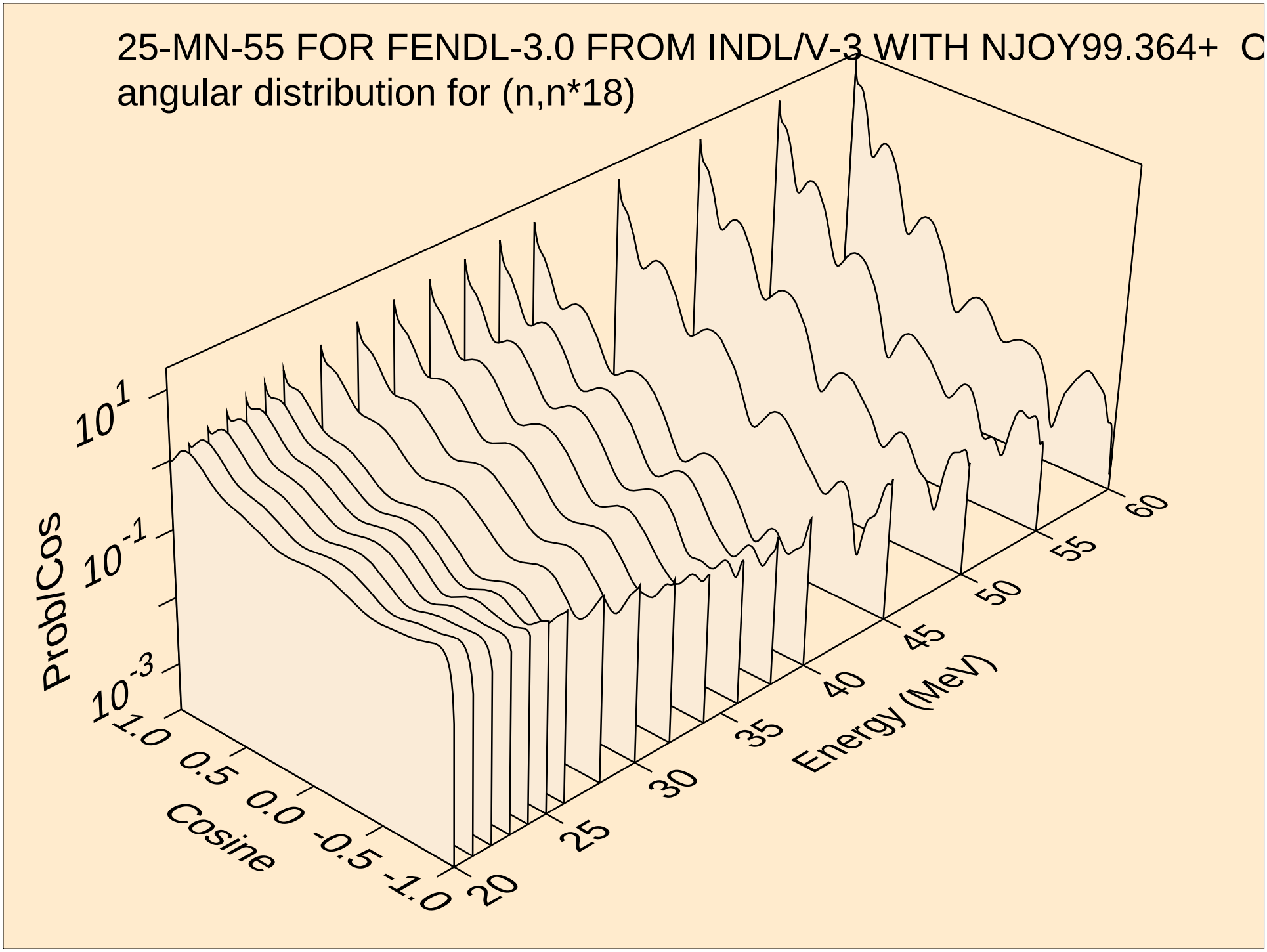

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*16)
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

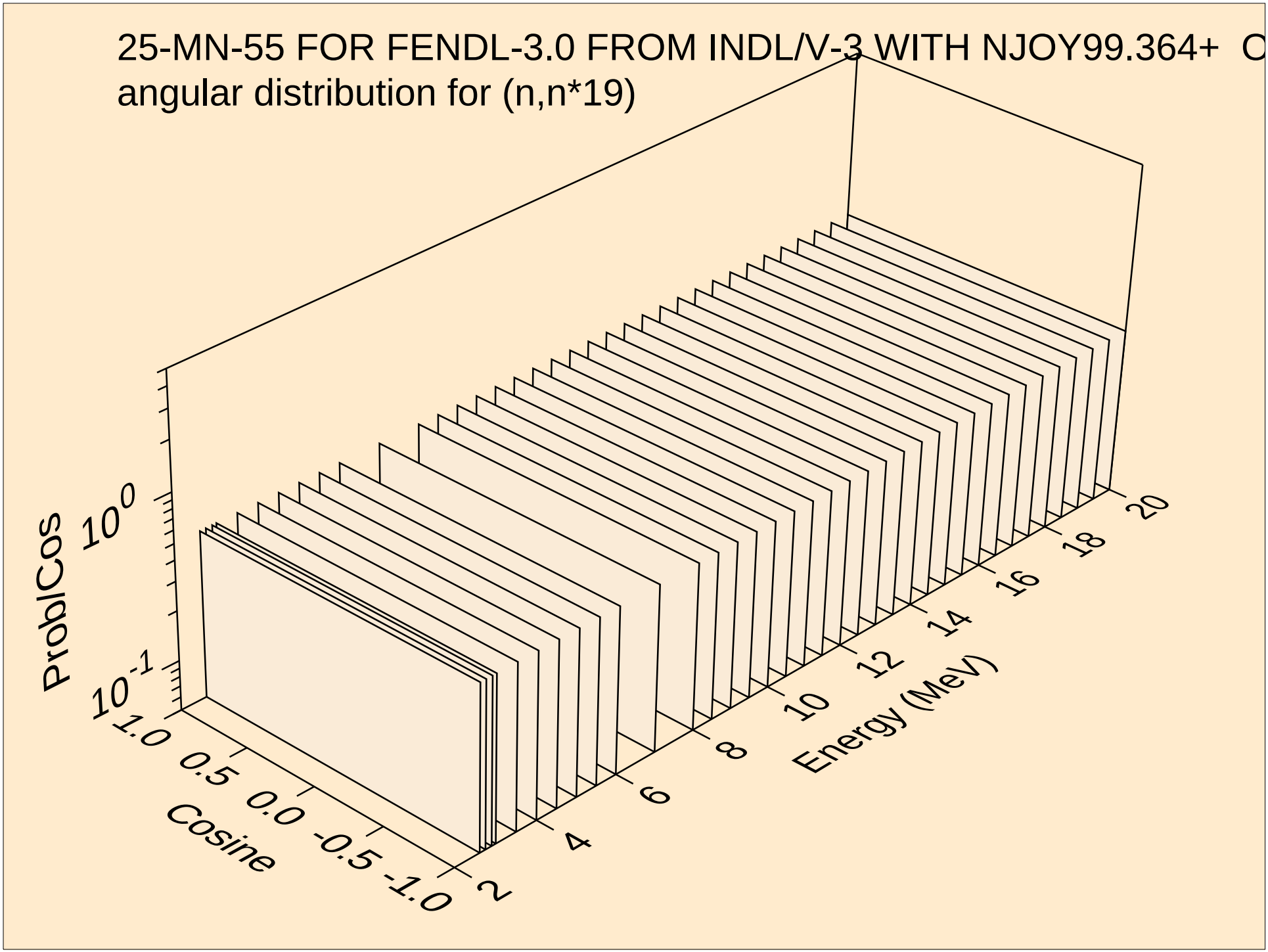

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*16)
Prob\Cos
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

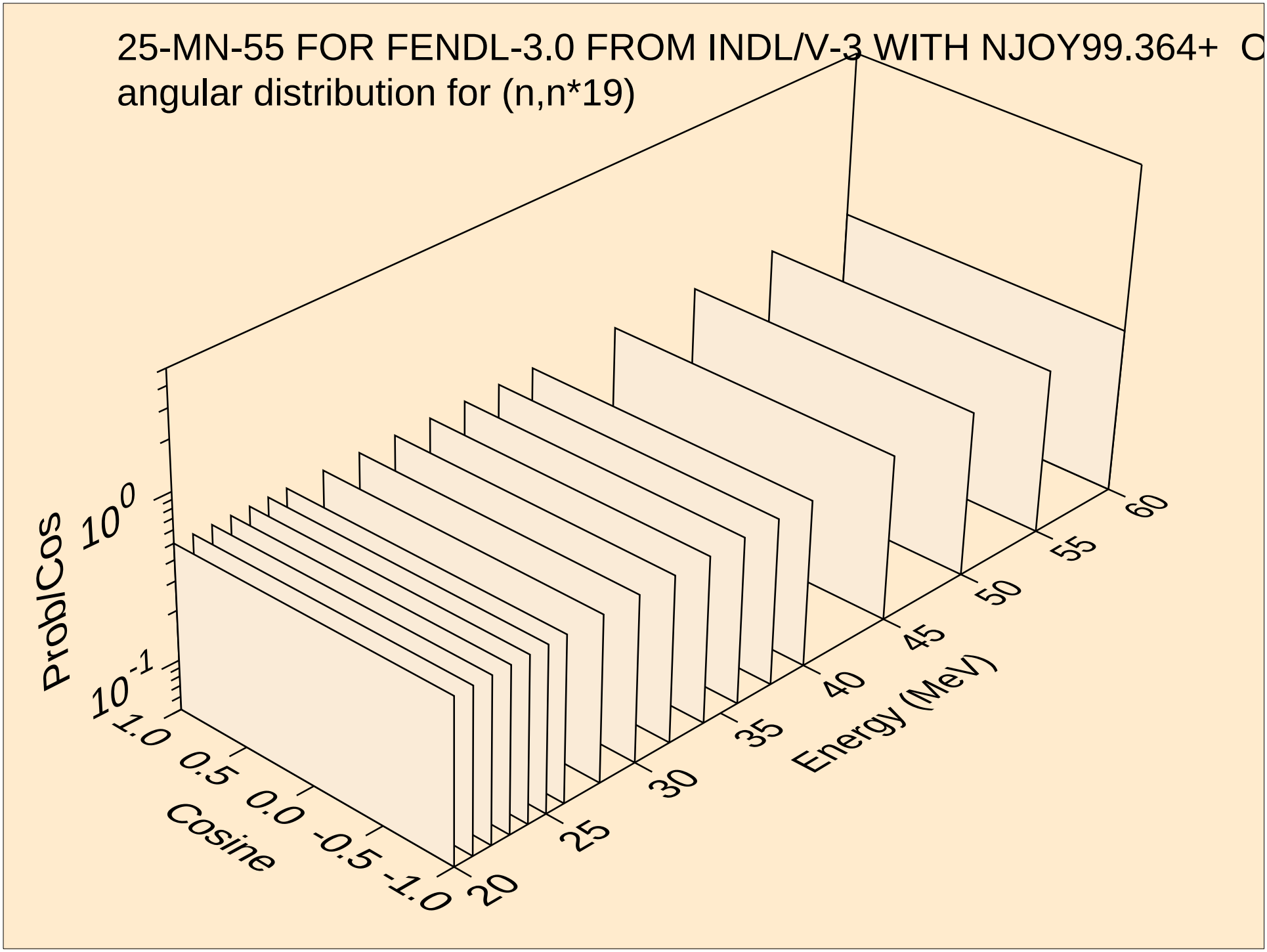

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*17)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

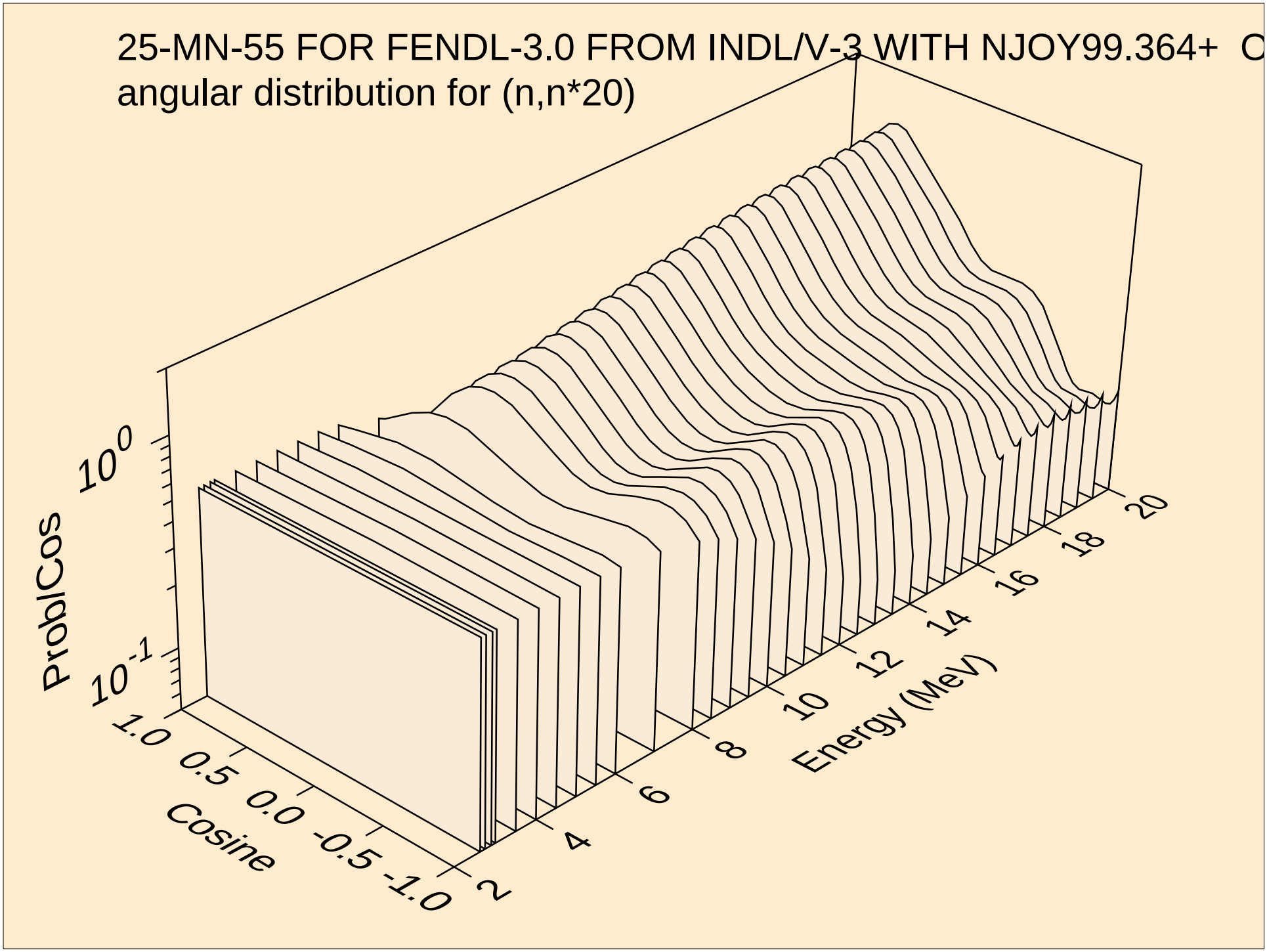

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*17)
Prob\Cos
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

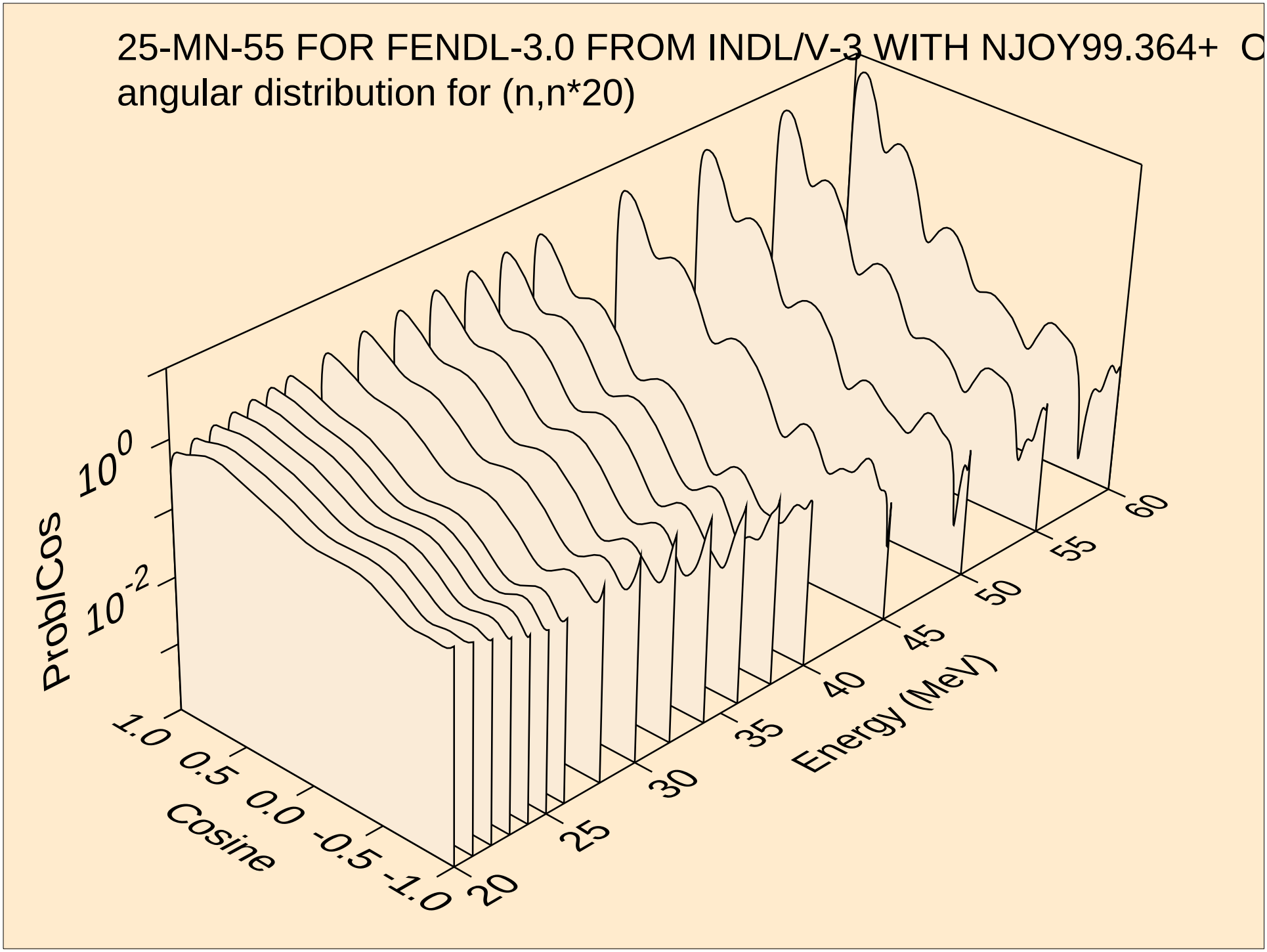

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*18)
Prob\Cos
10^0
10^-1
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

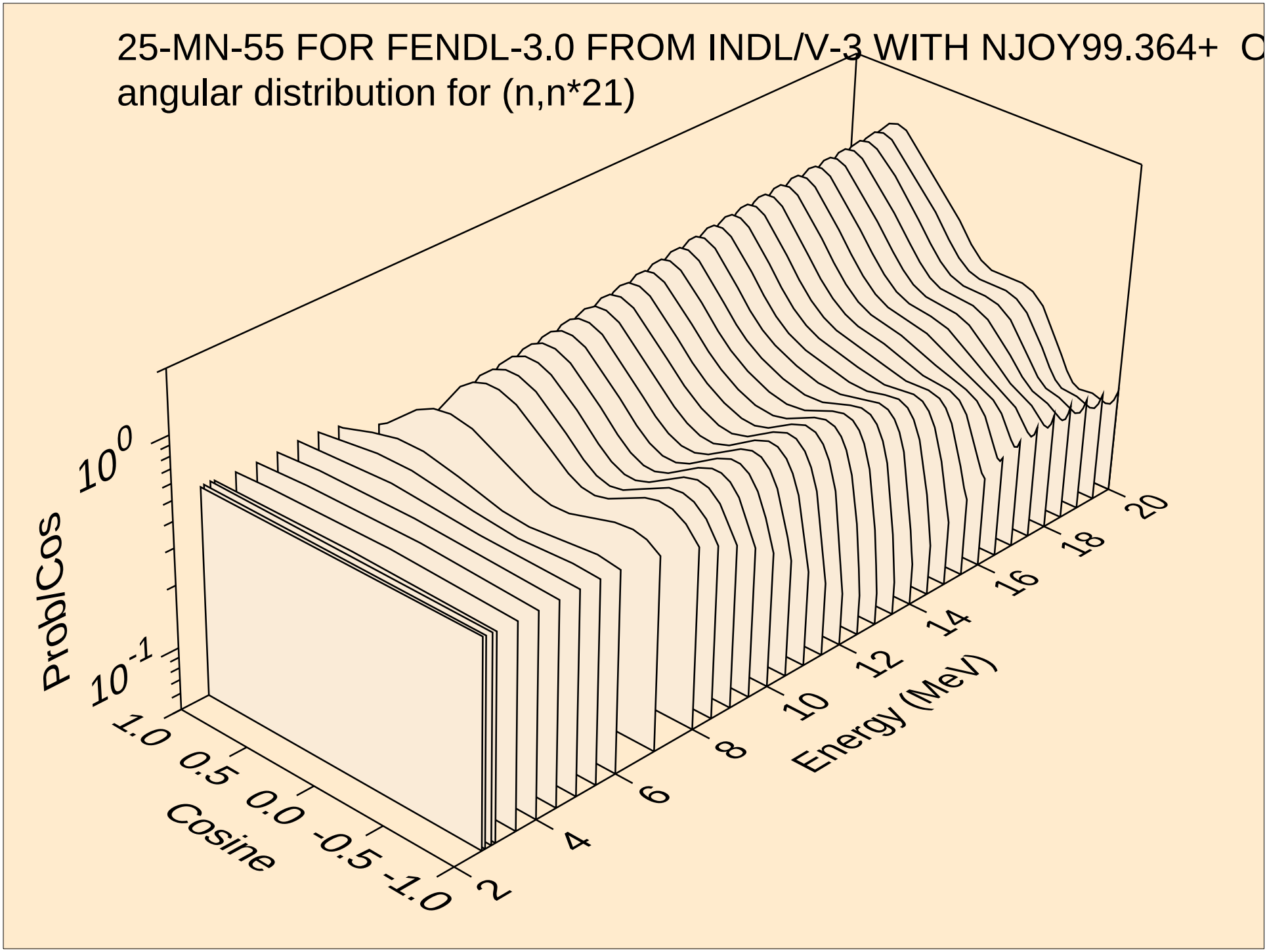

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*18)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

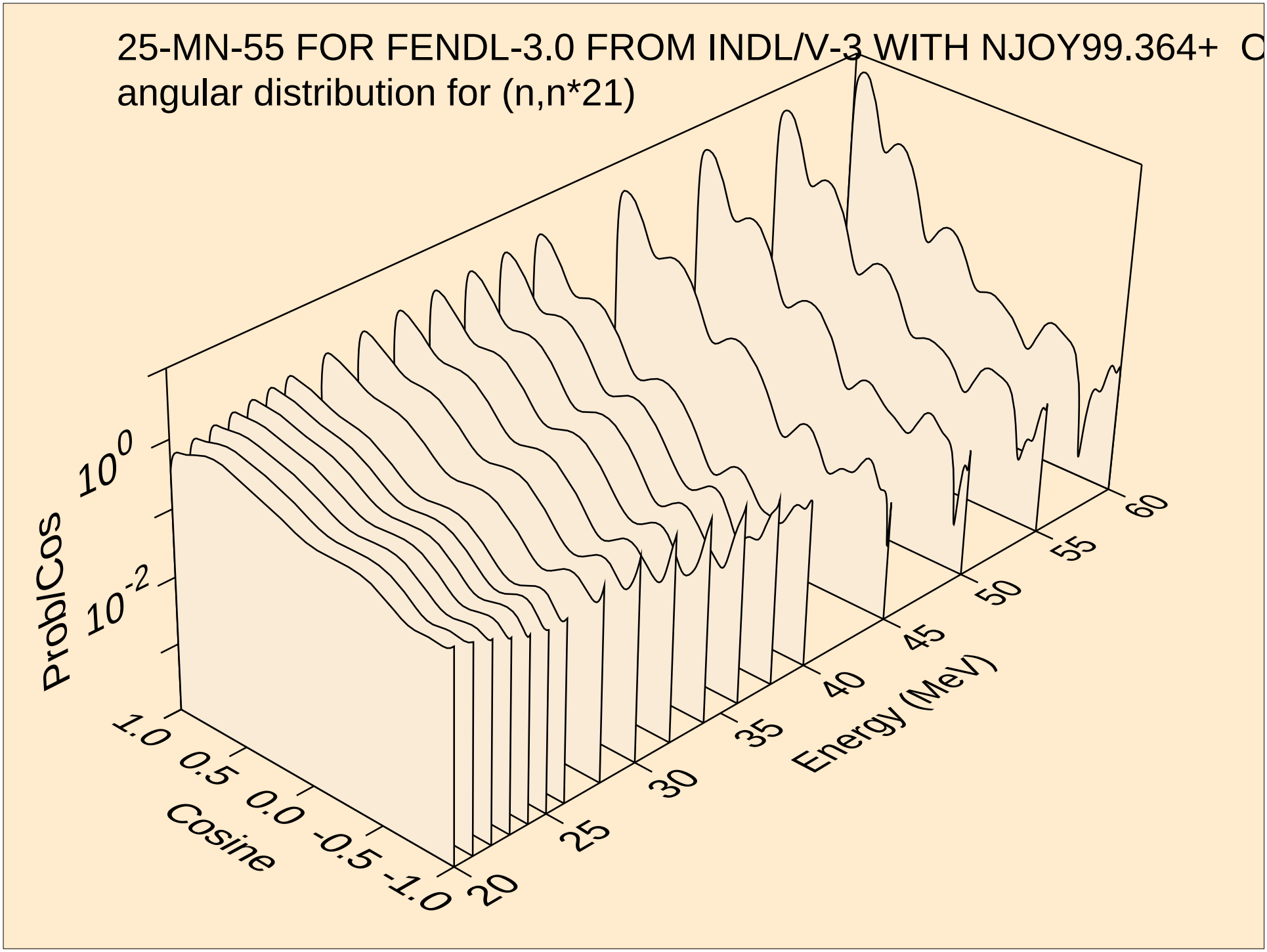

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*19)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

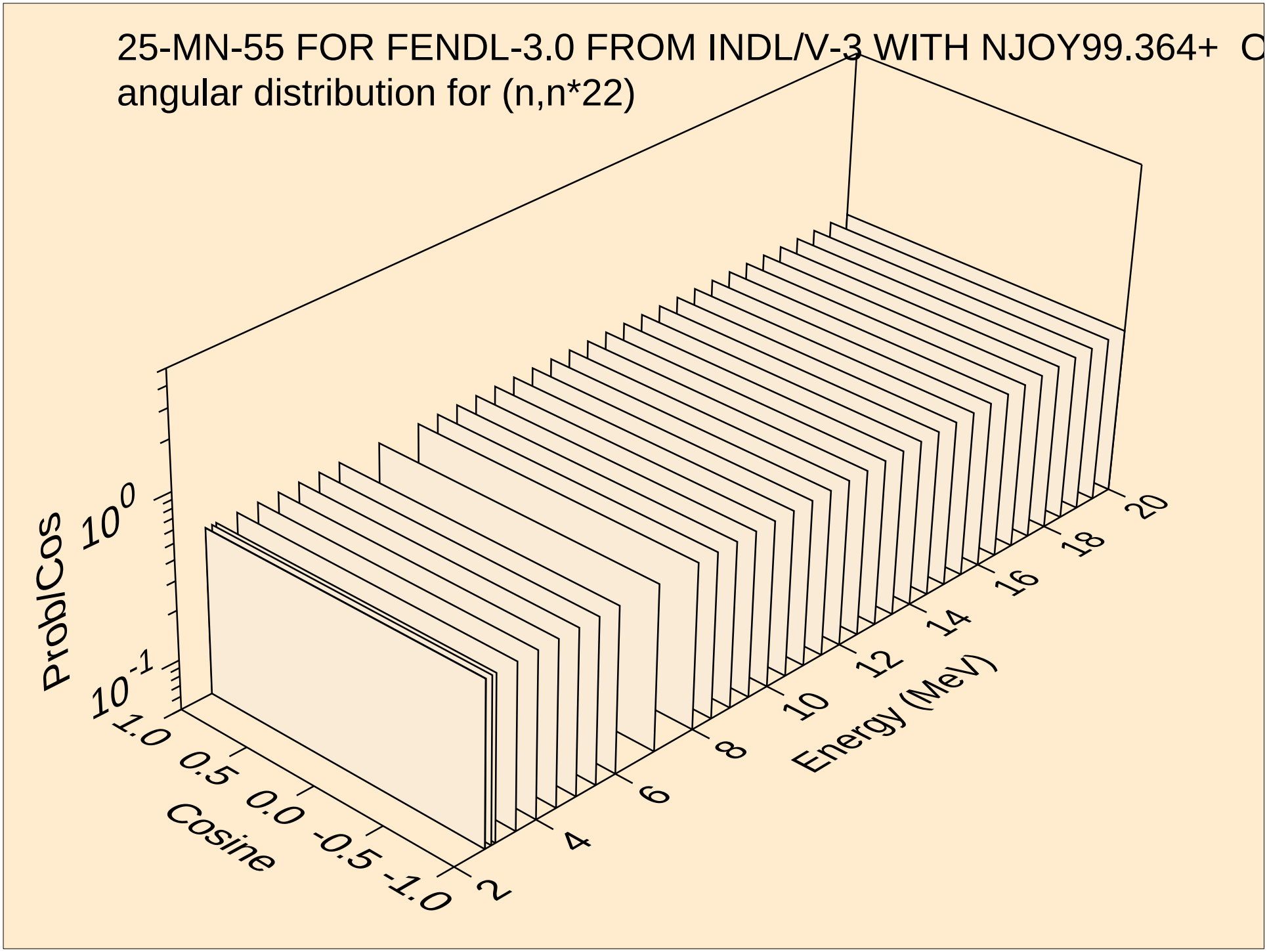

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*19)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

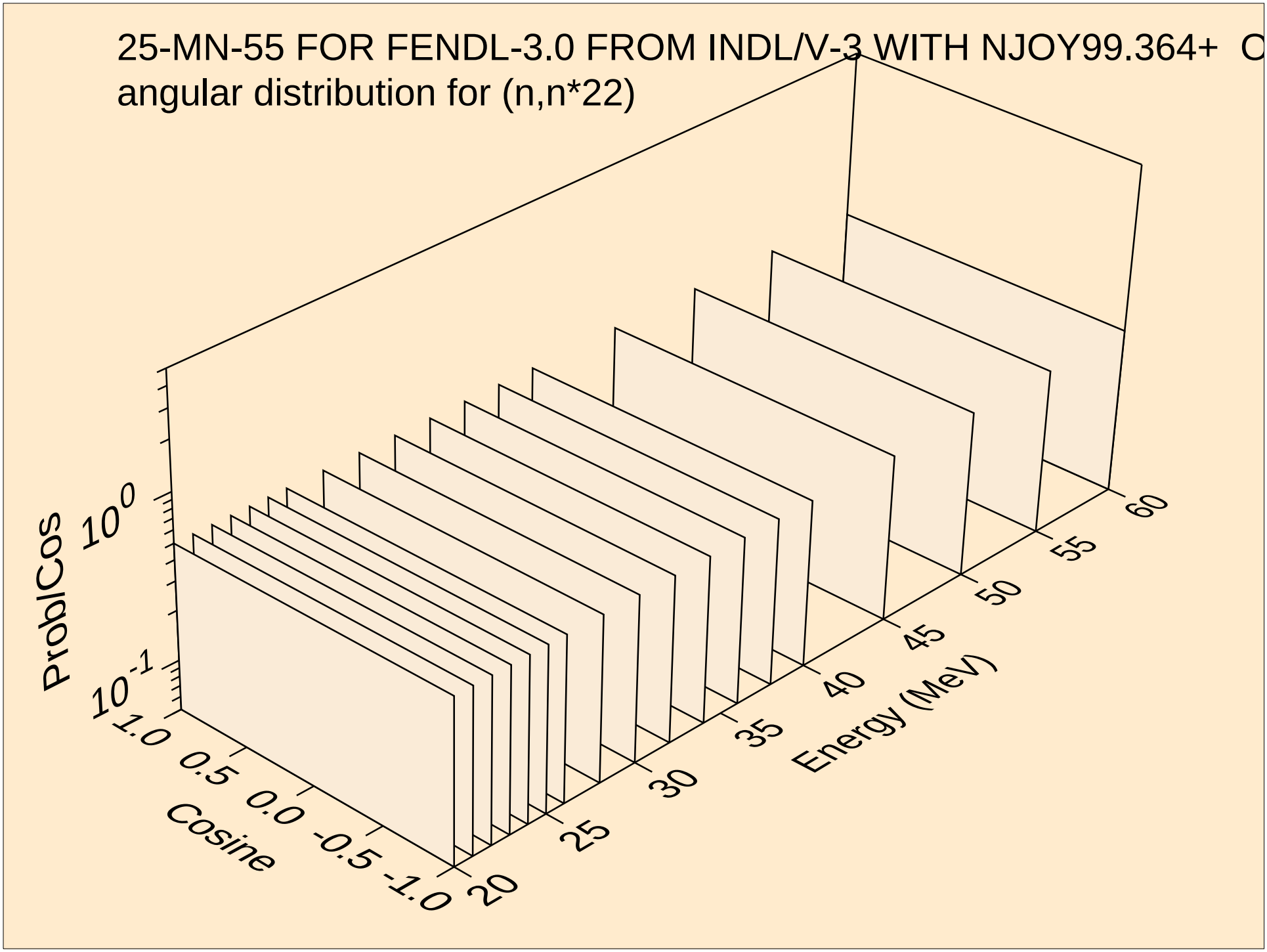

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*20)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

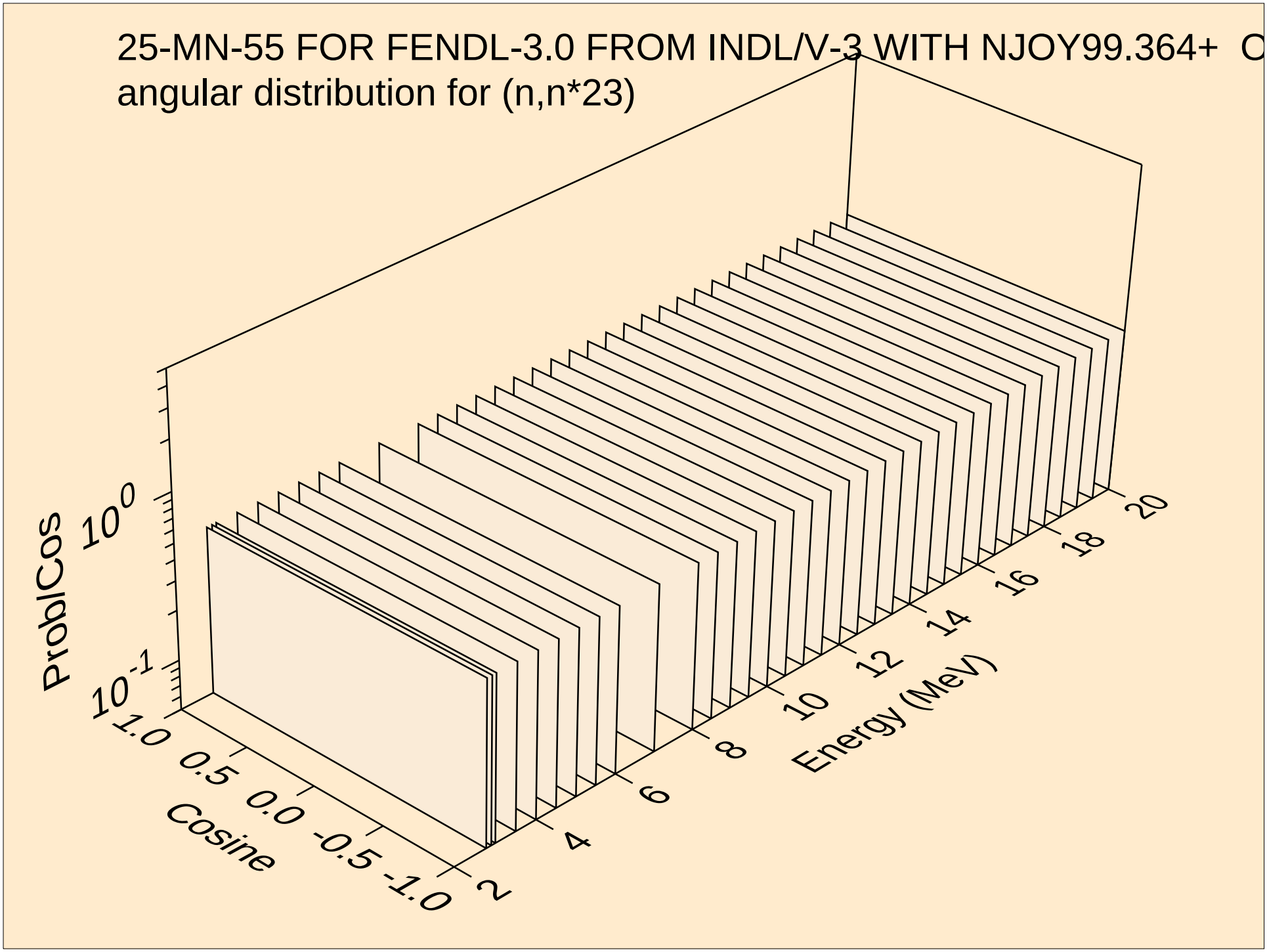

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*20)
Prob\Cos
10^0
10^-2
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

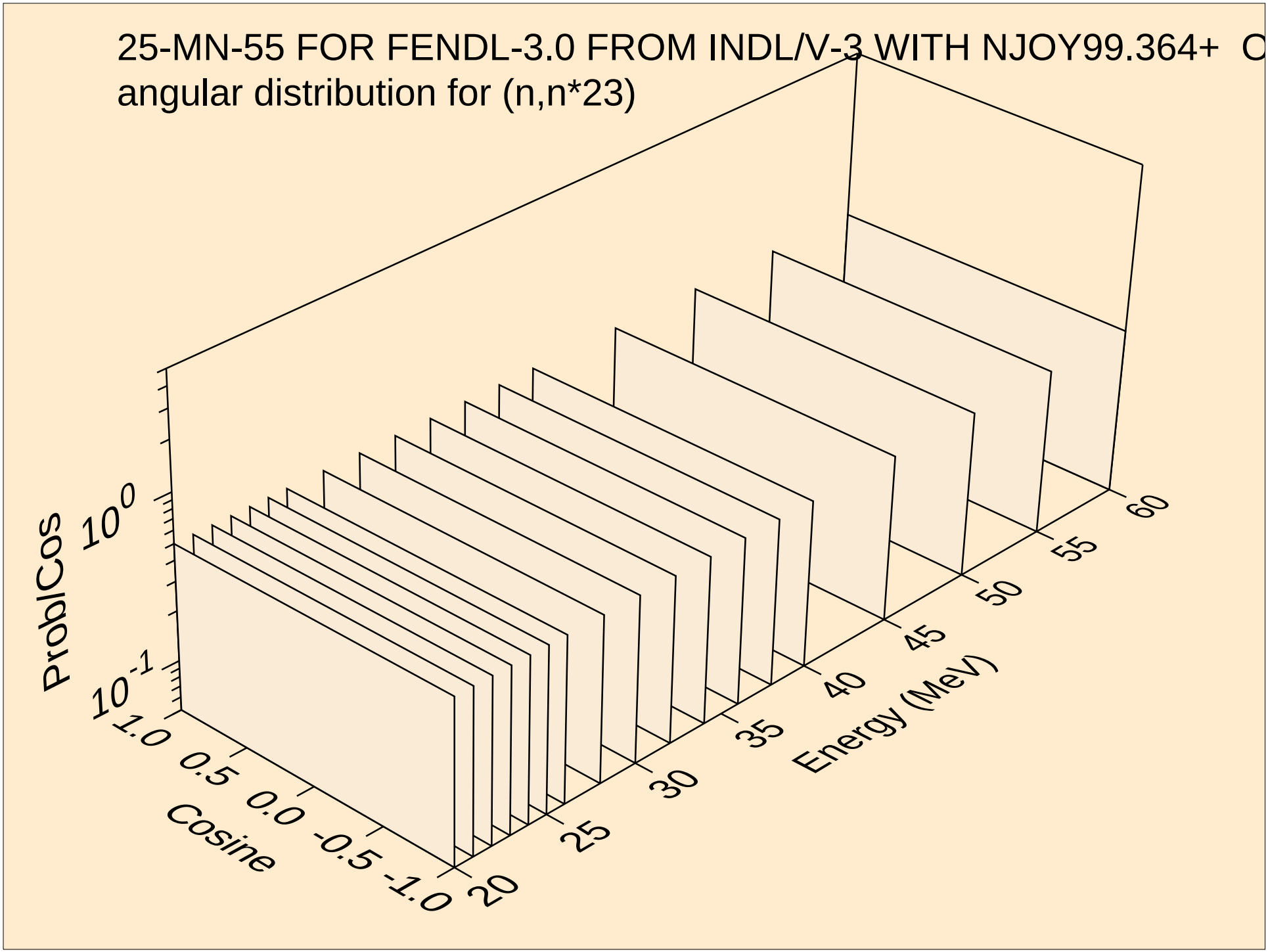

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*21)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

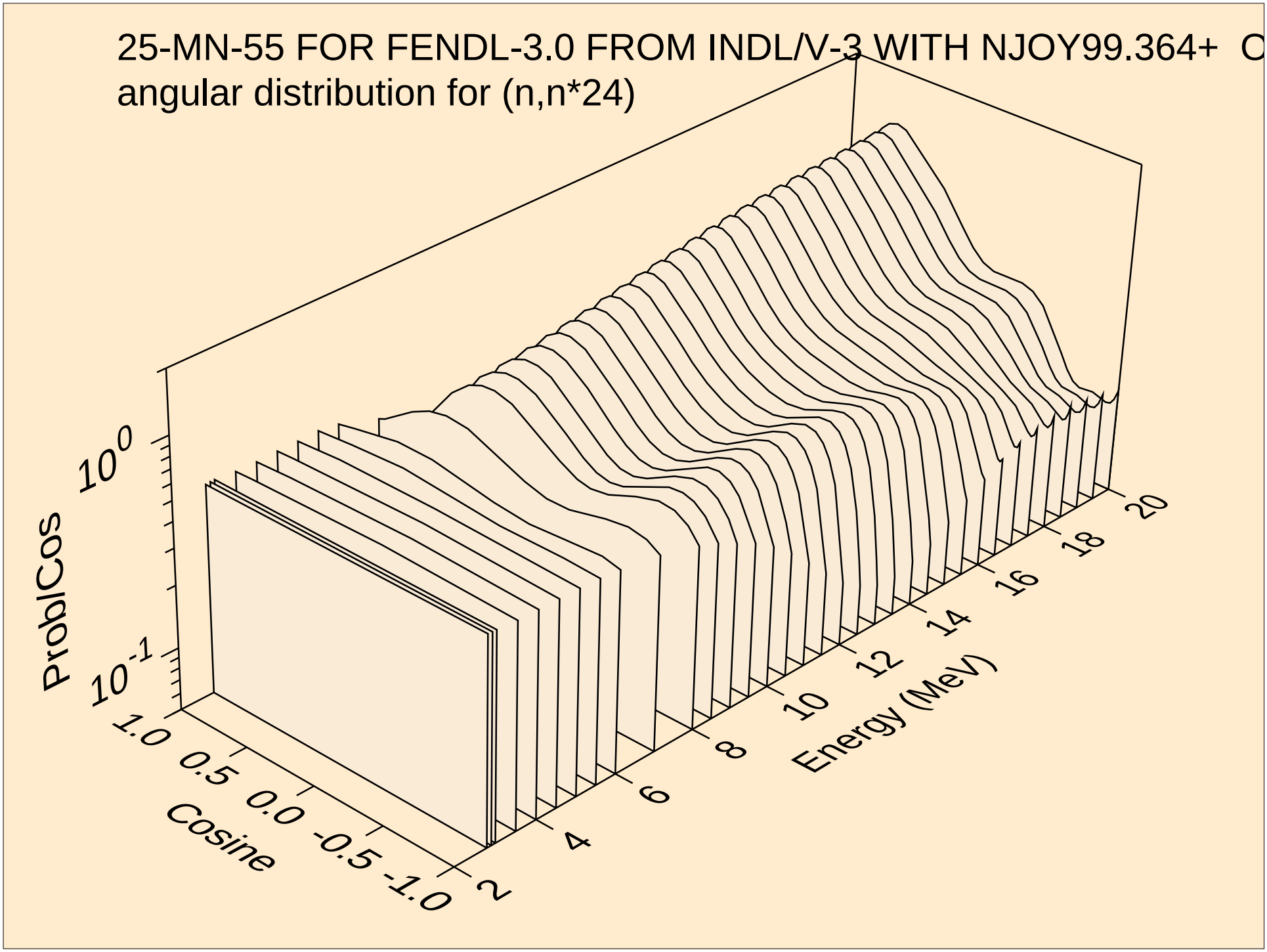

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*21)
Prob\Cos
10^{0}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

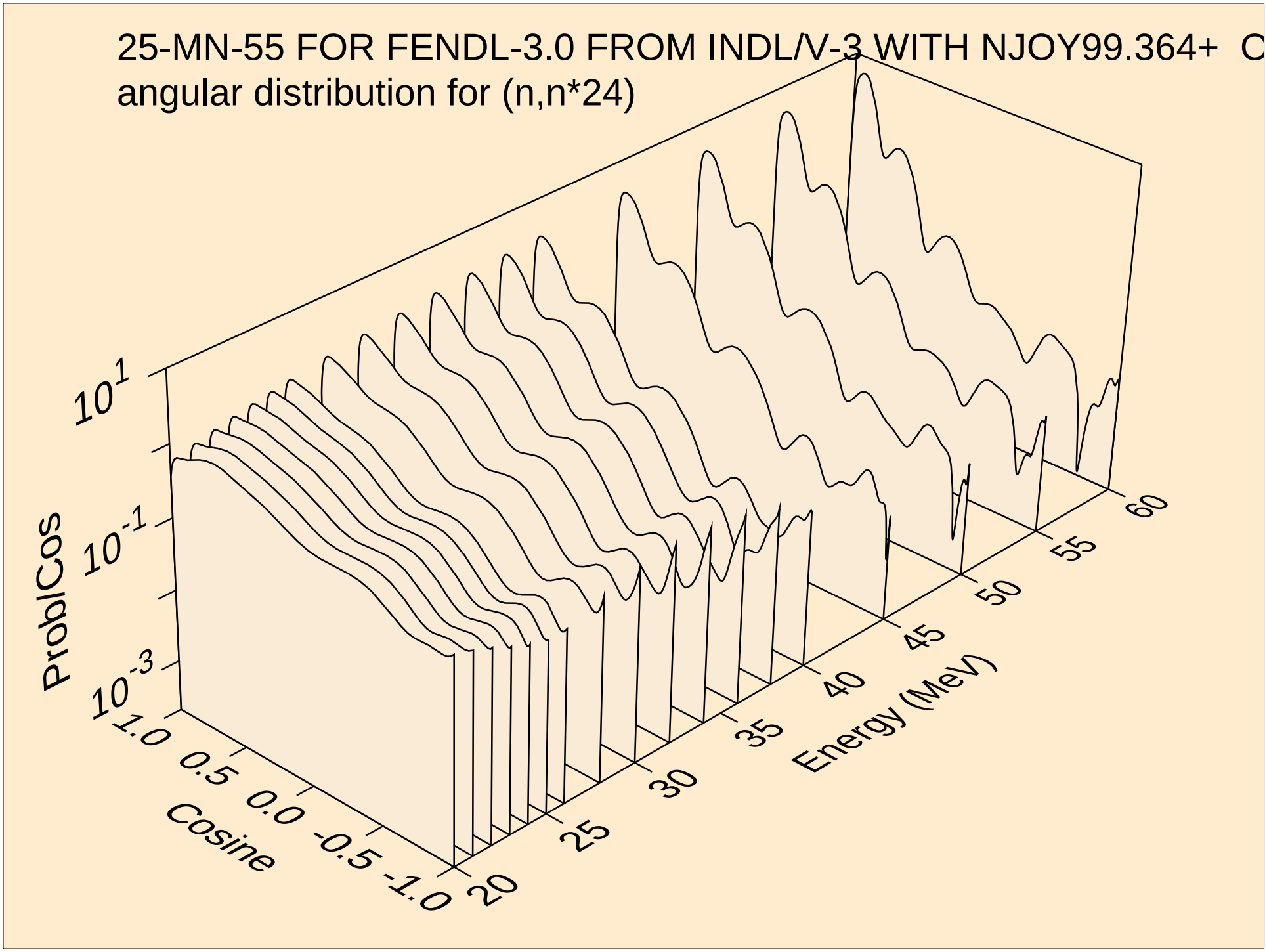

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*22)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

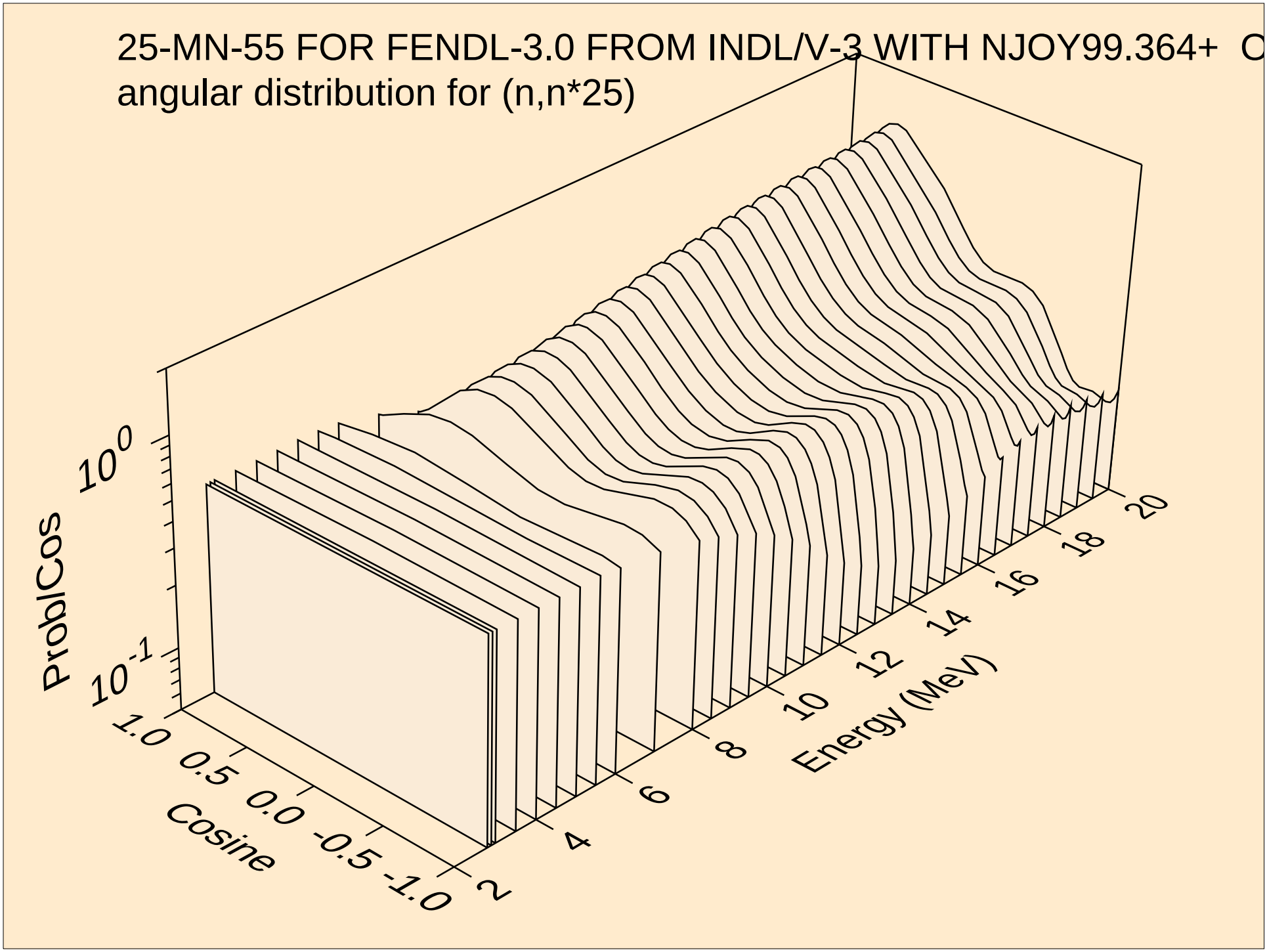

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*22)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

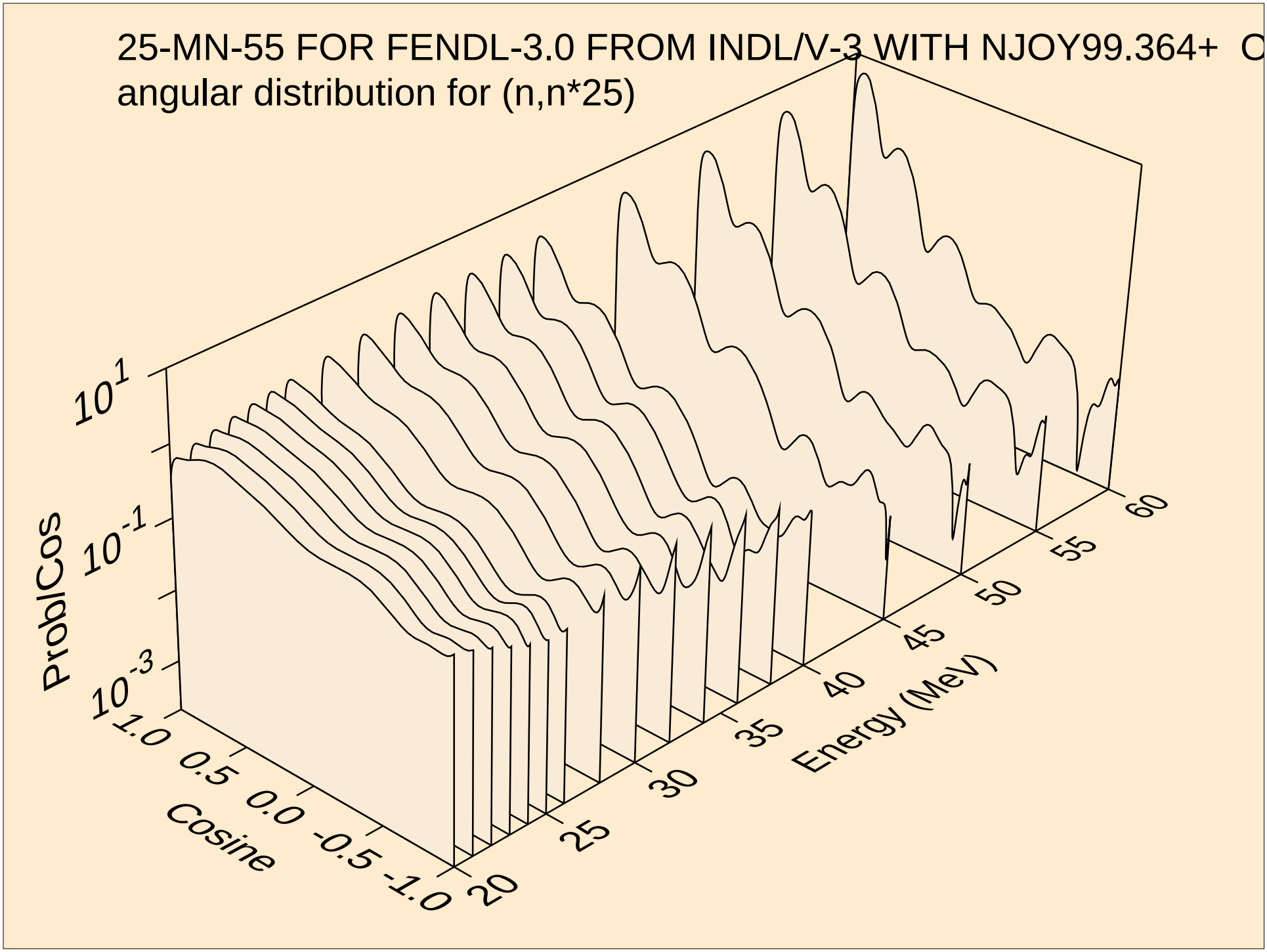

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*23)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

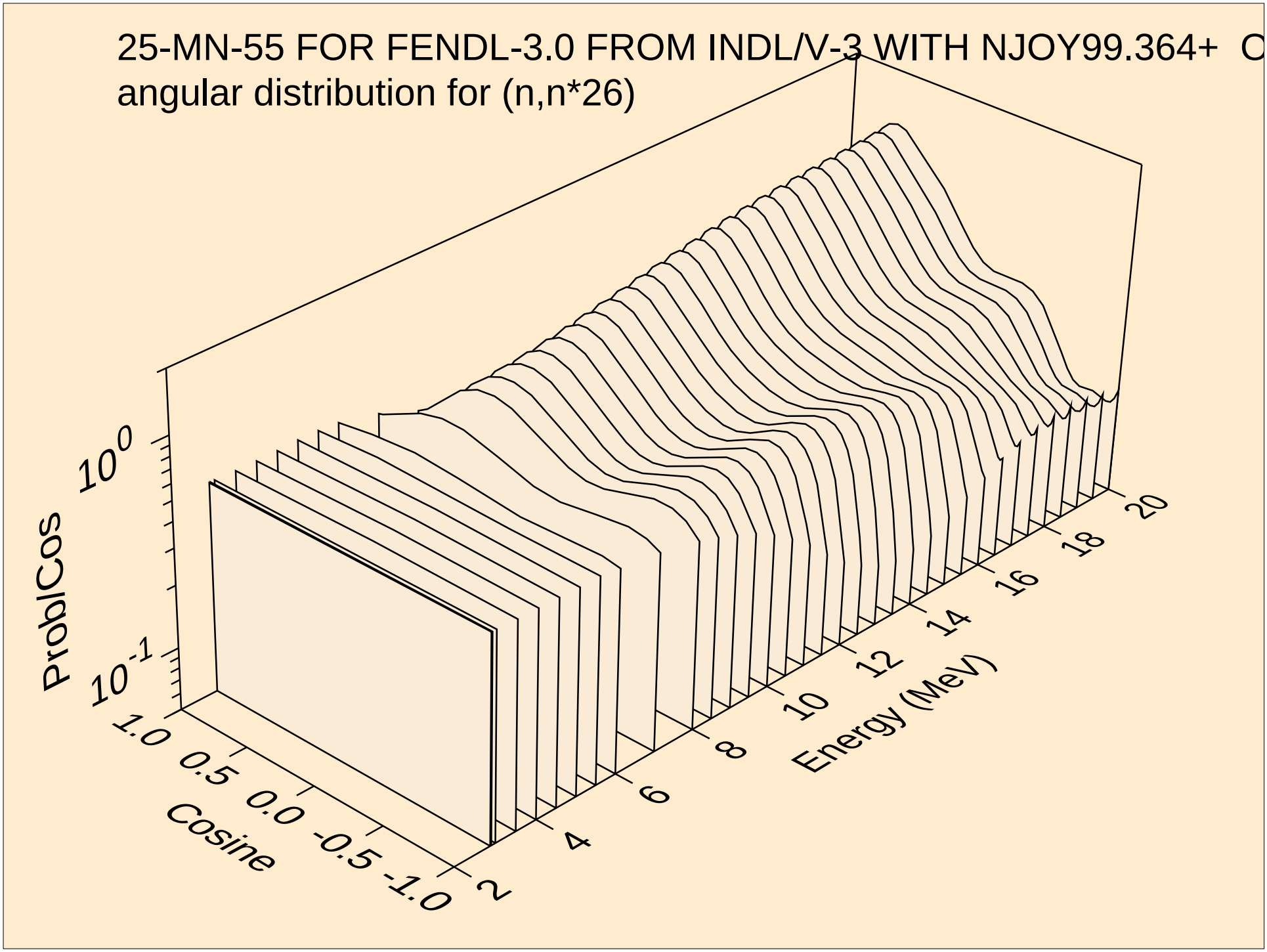

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*23)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

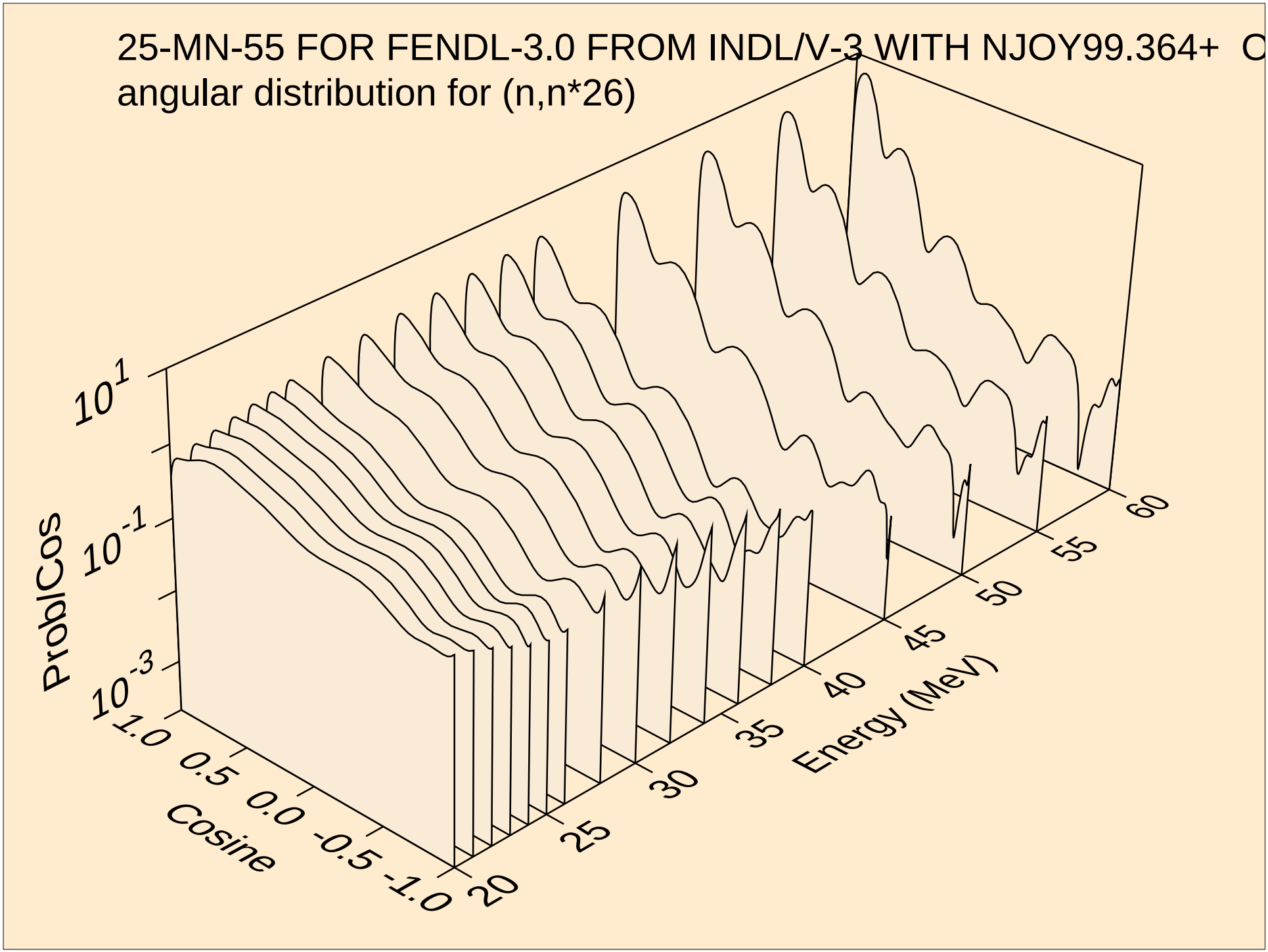

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*24)
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

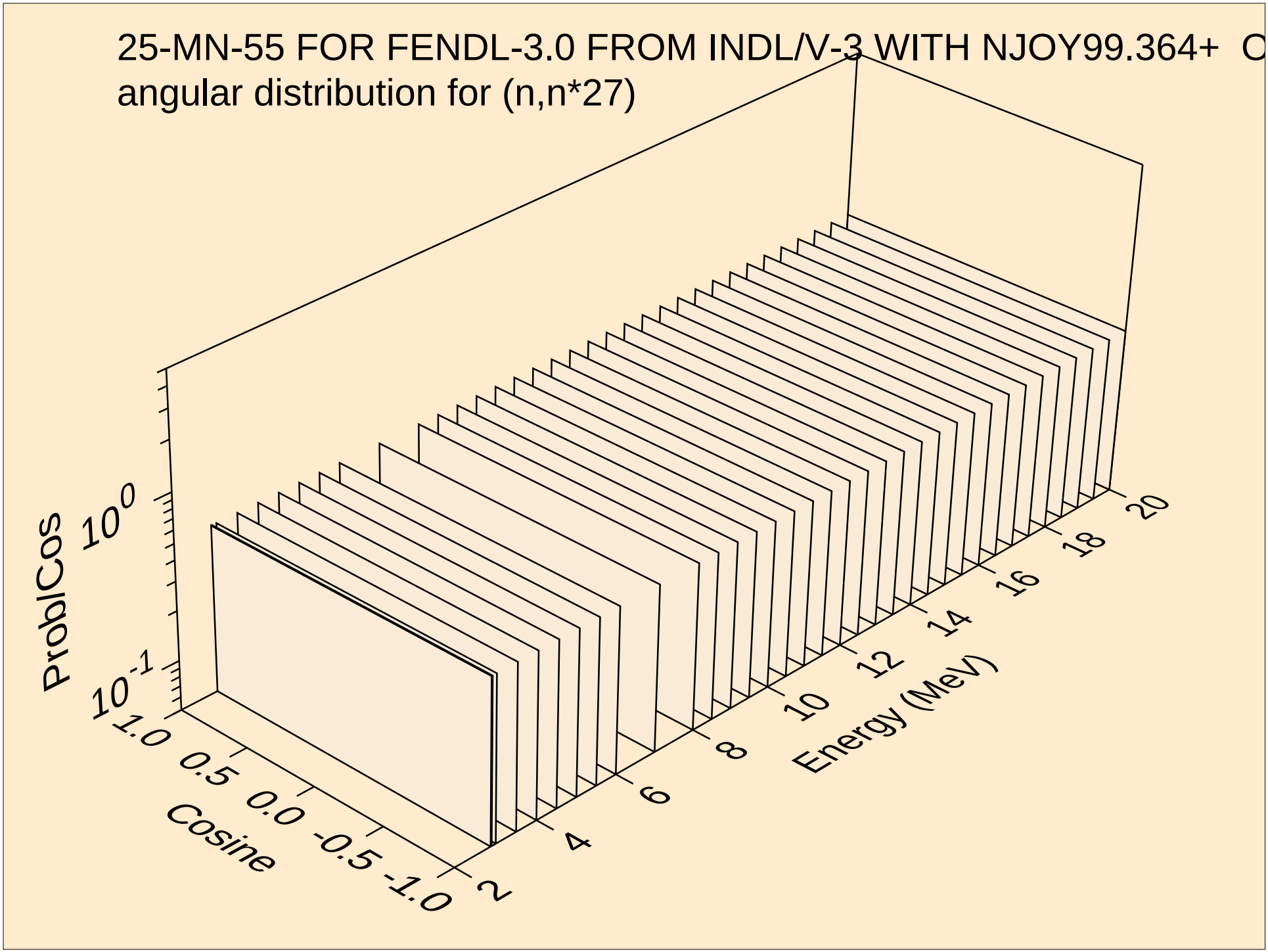

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*24)
ProbCos
10^{1}
10^{-1}
10^{-3}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

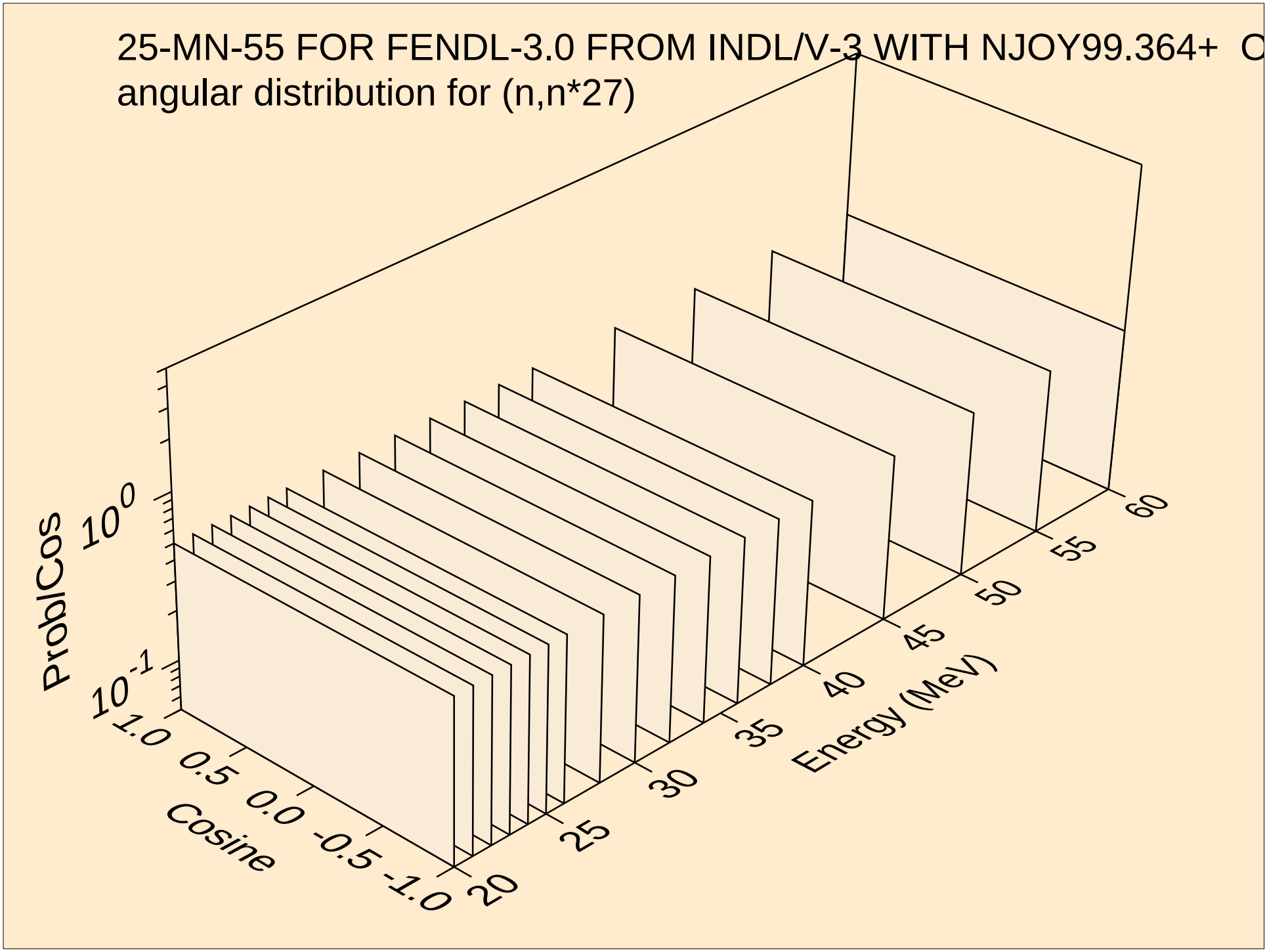

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*25)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

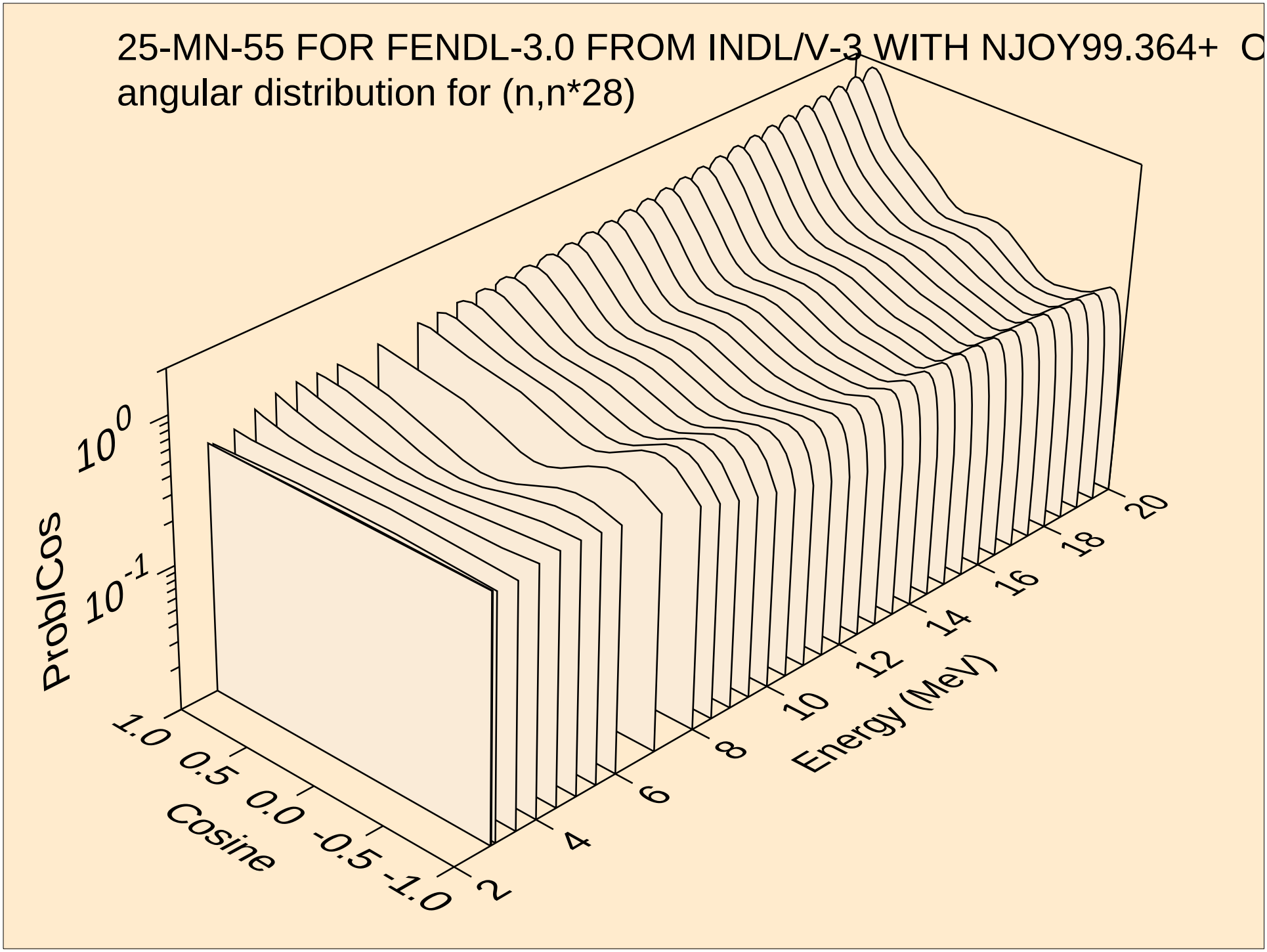

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*25)
ProbCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
20
25
30
35
40
45
50
55
60

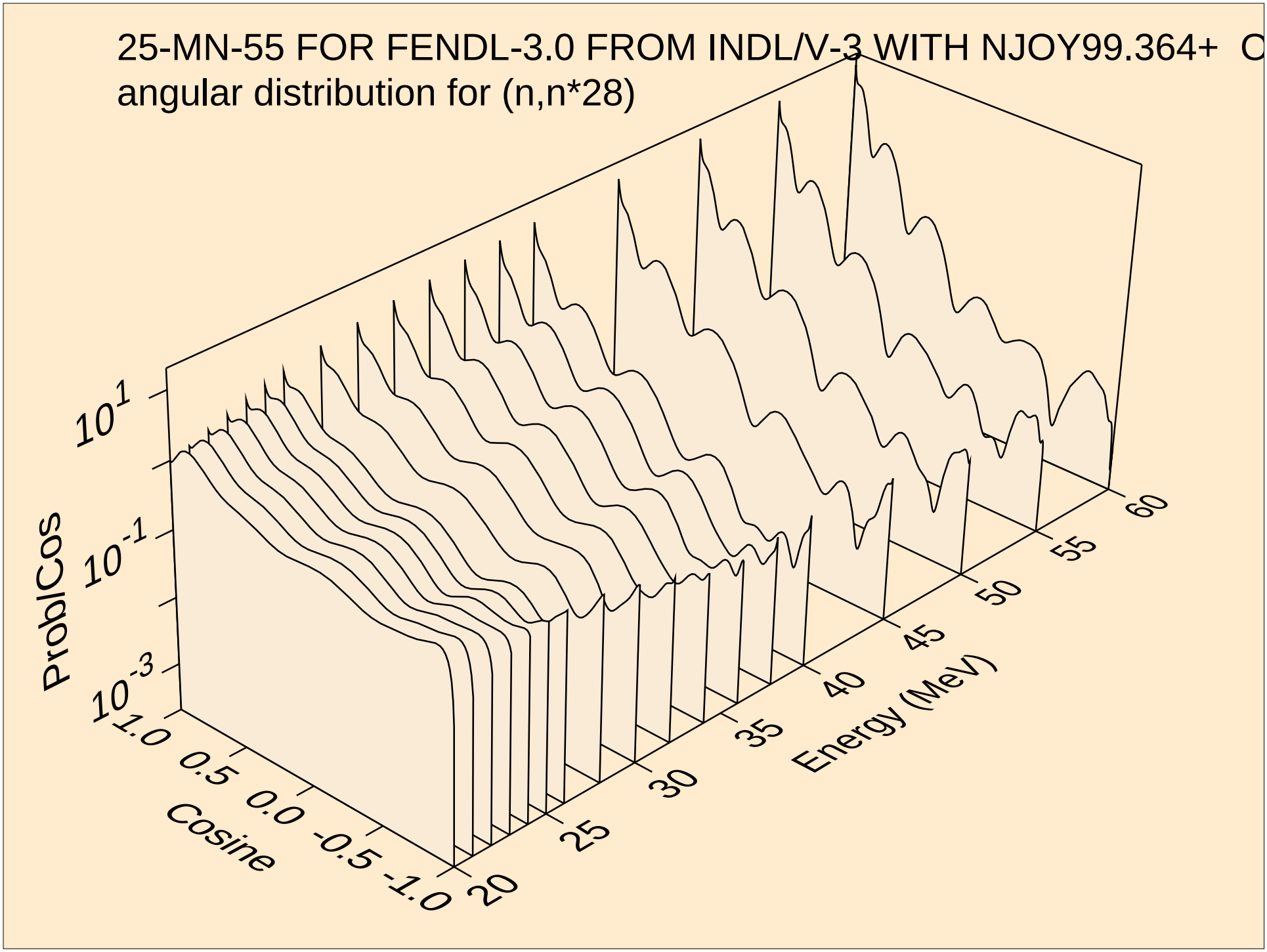

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*26)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

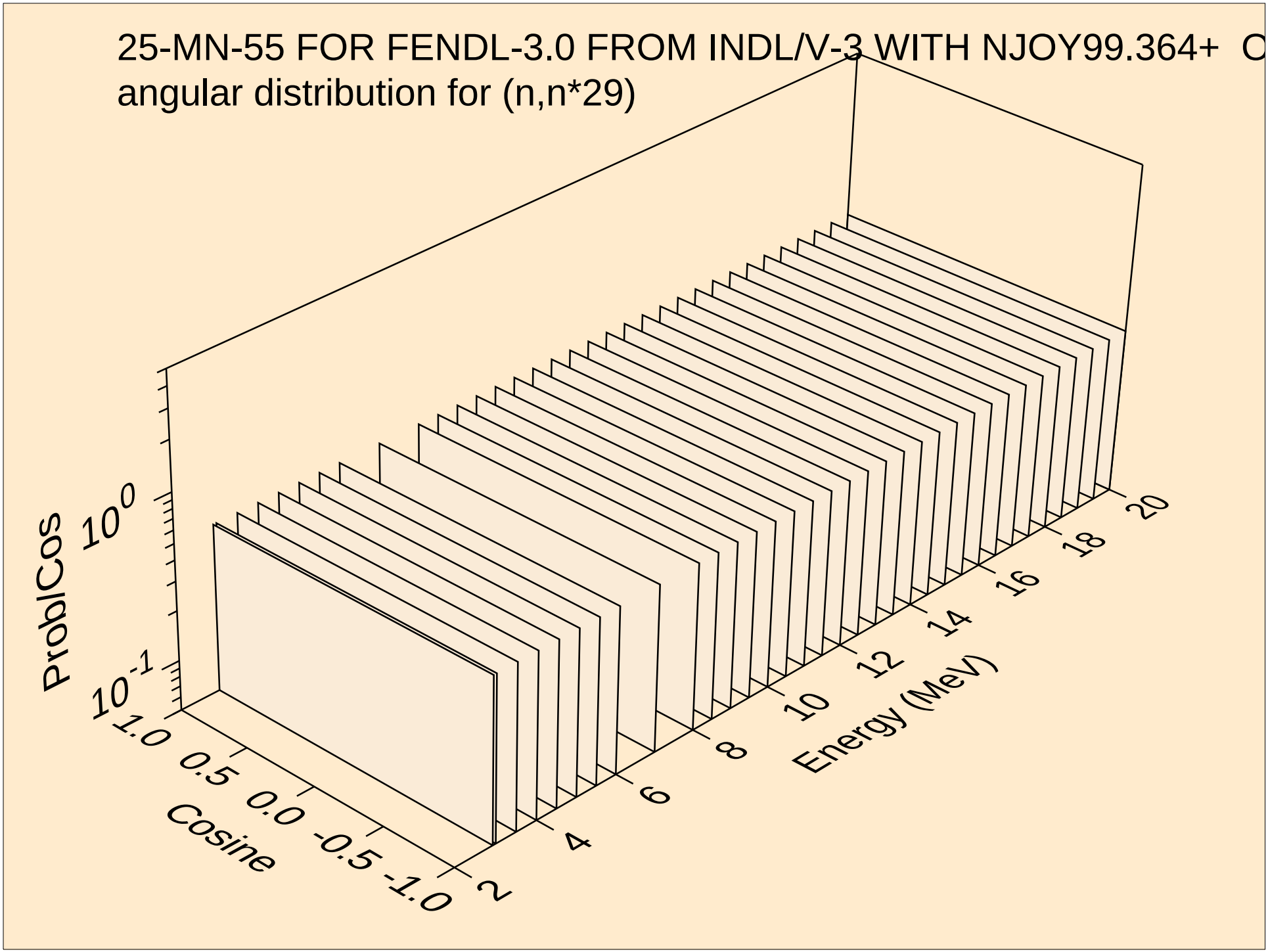

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*26)
ProbCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
20
25
30
35
40
45
50
55
60

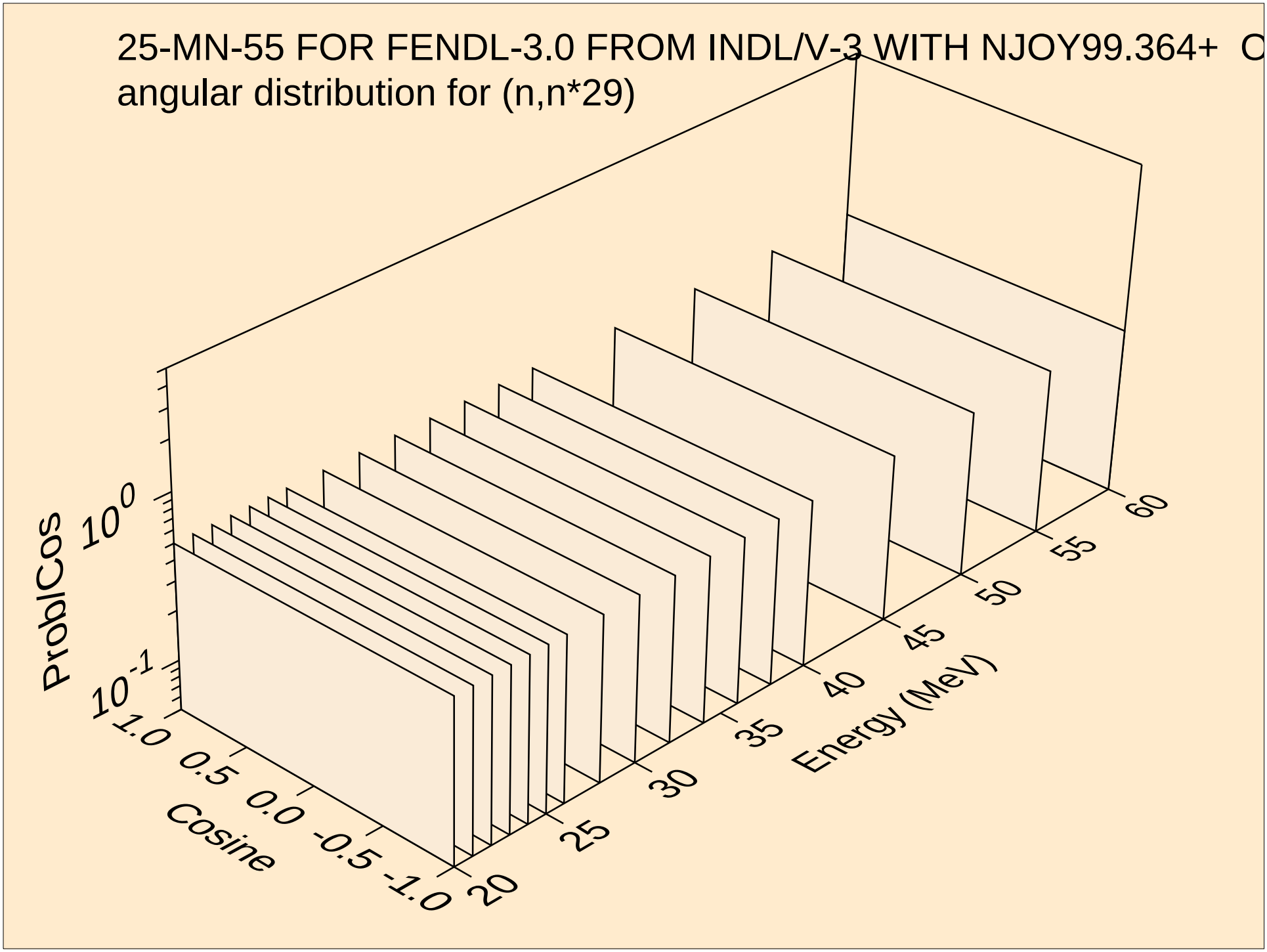

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*27)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

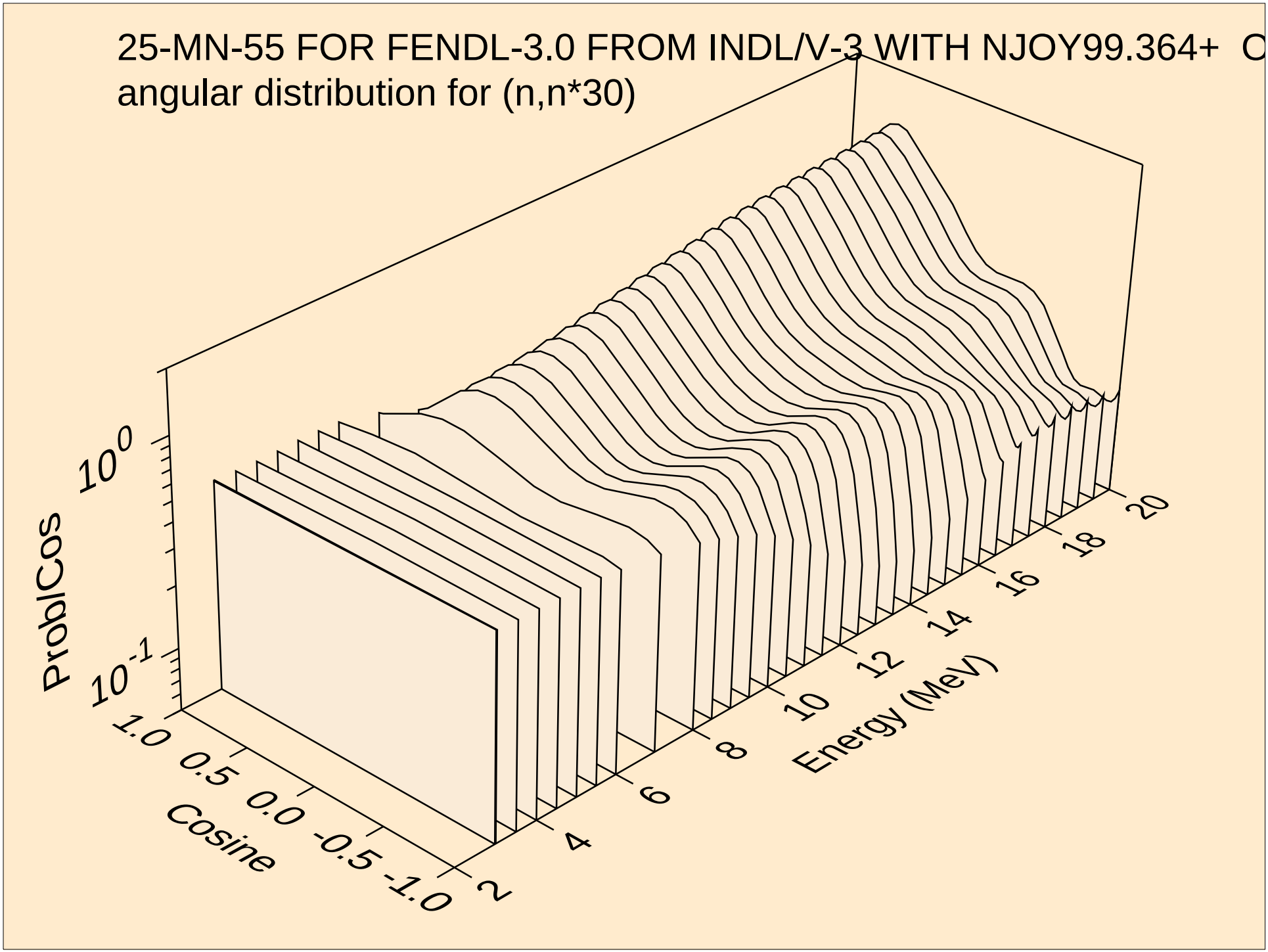

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*27)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

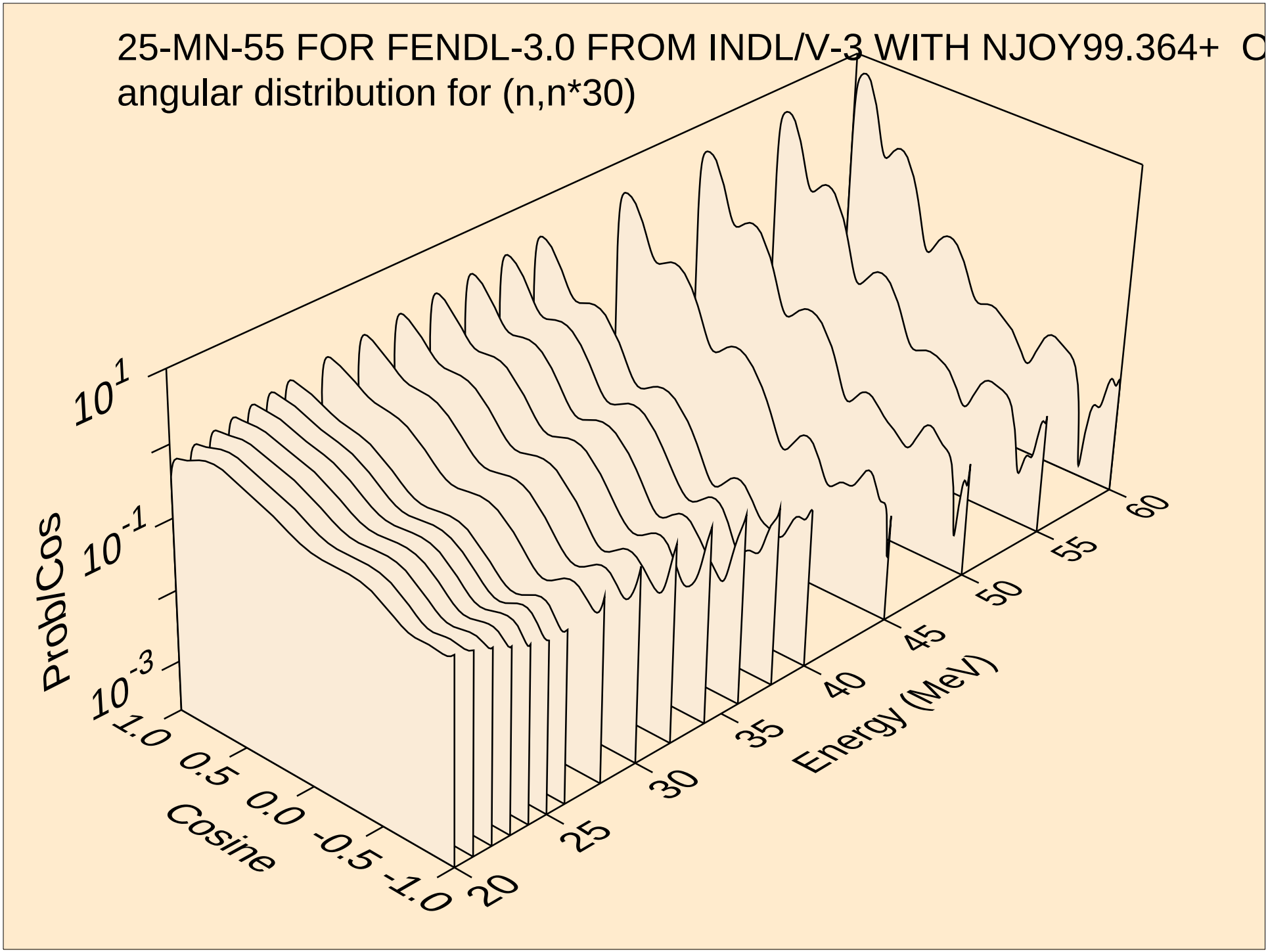

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*28)
Prob\Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

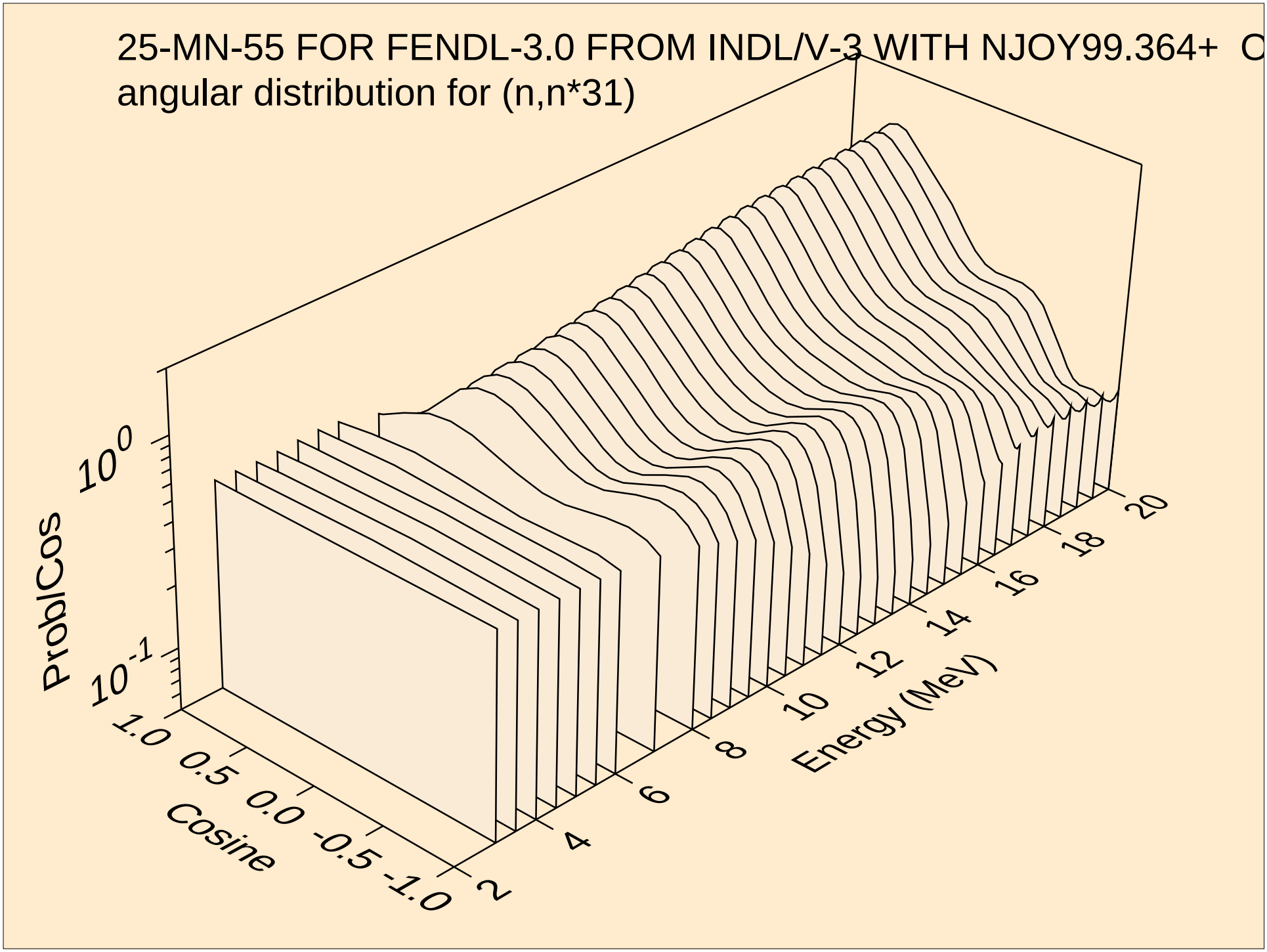

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*28)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

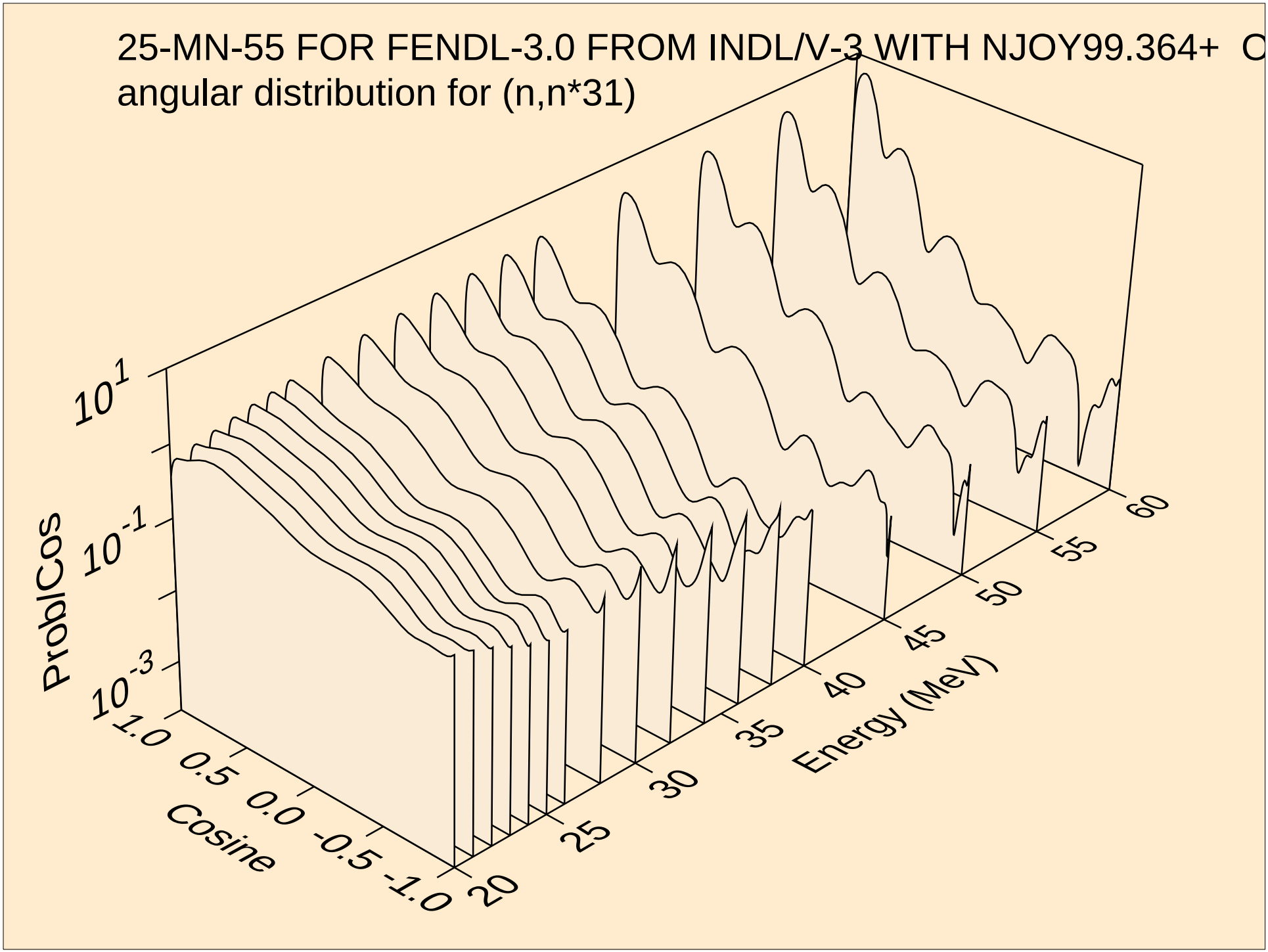

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*29)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

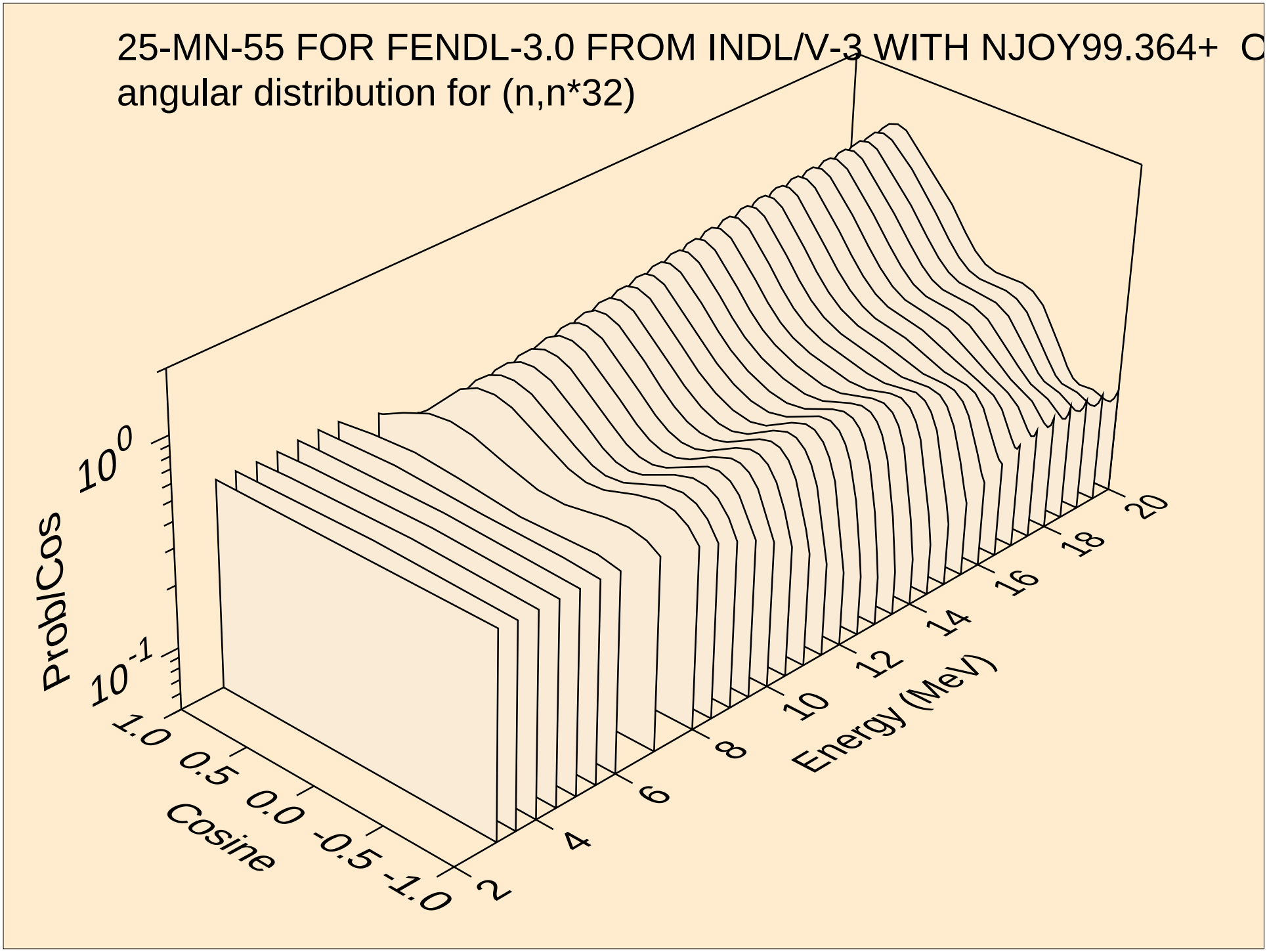

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*29)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

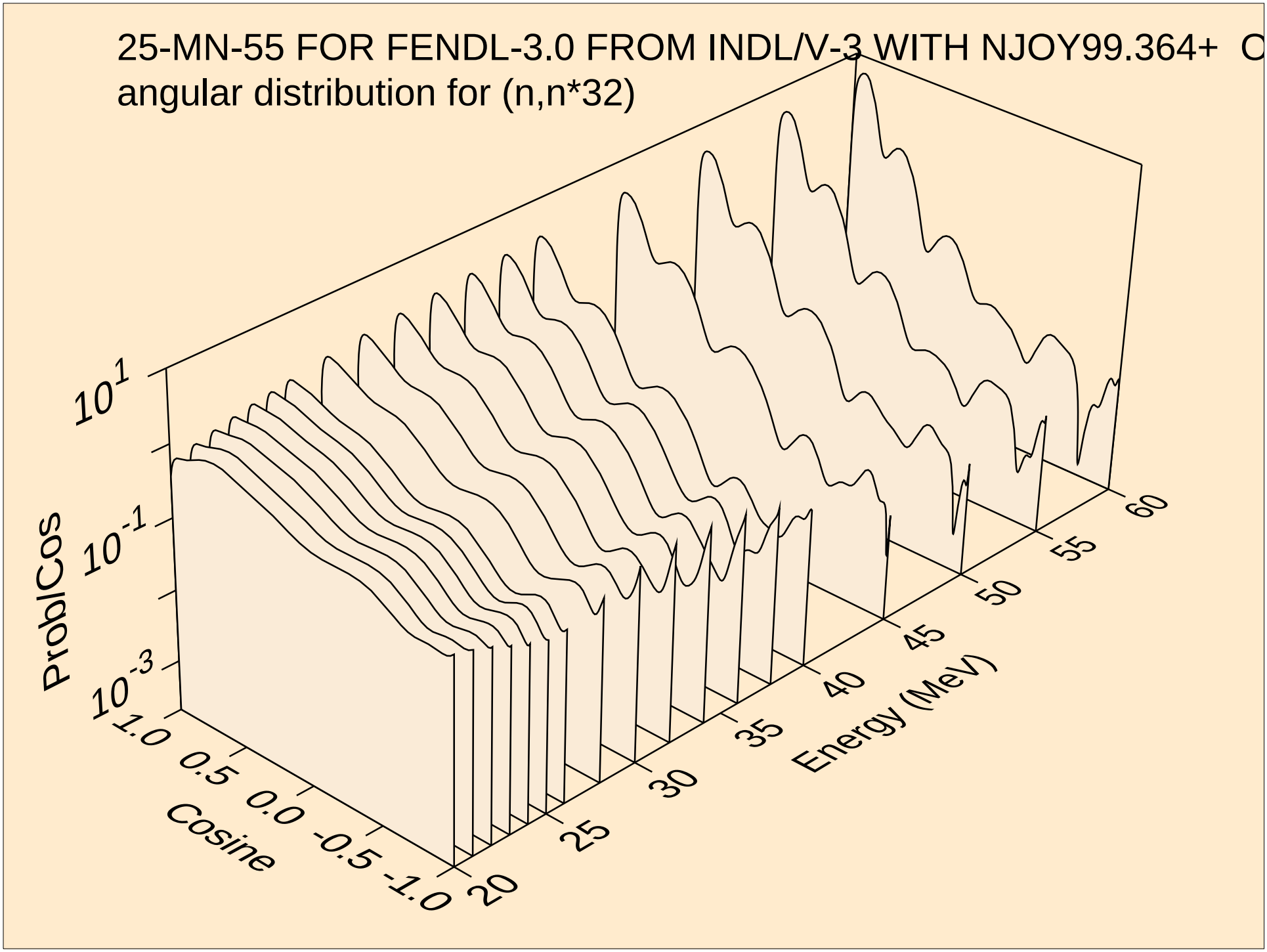

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*30)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

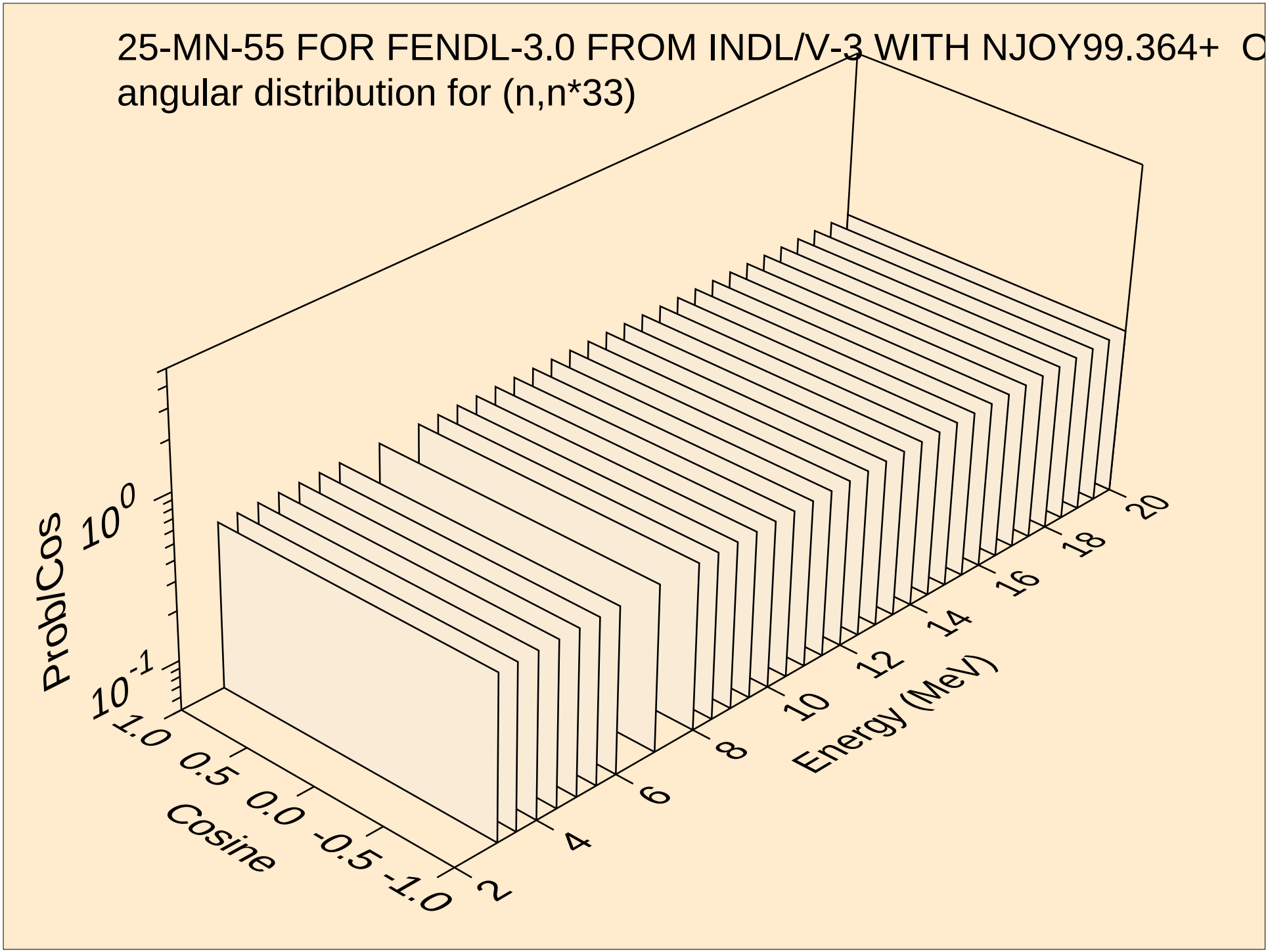

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*30)
ProbICos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

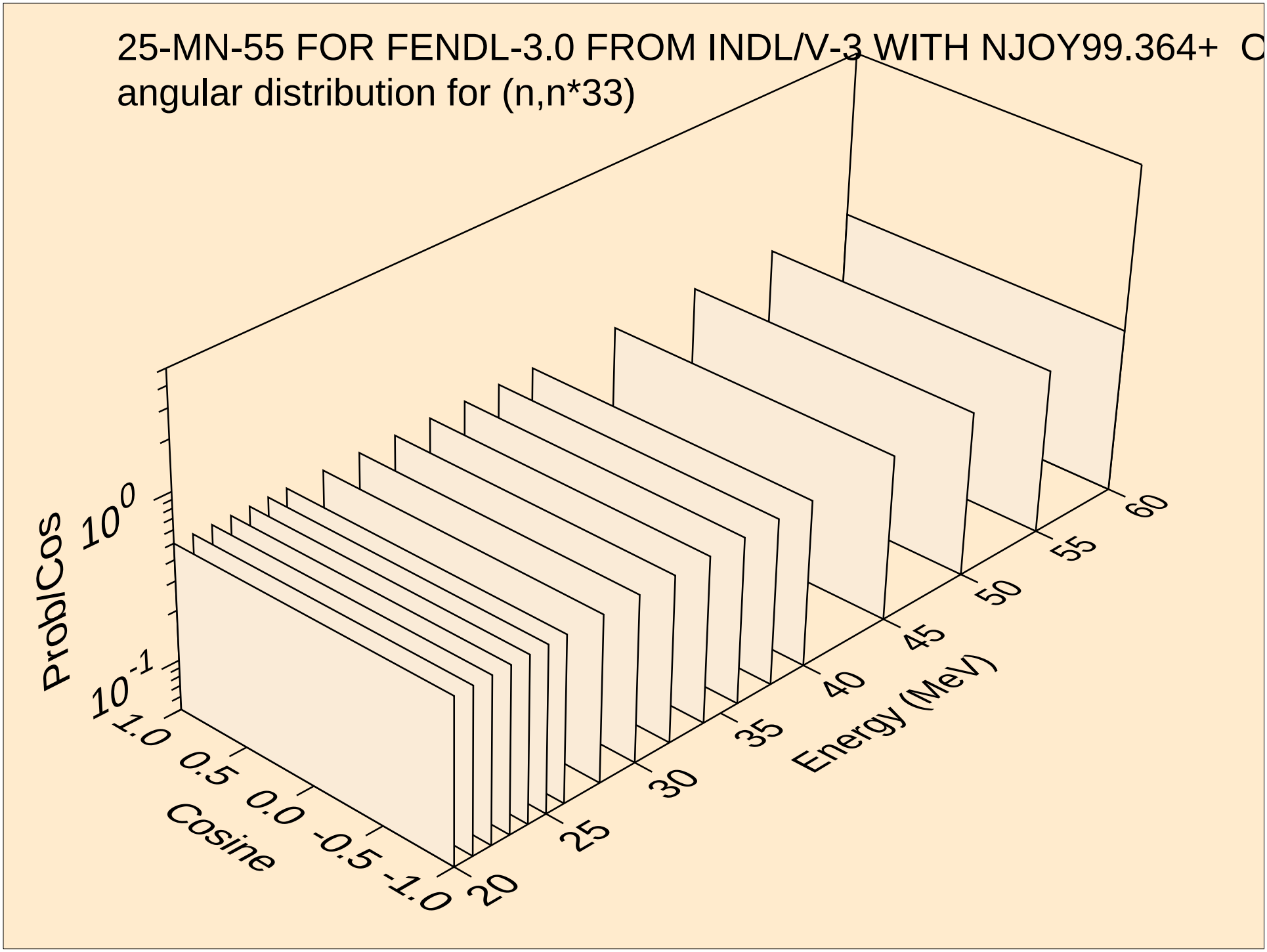

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*31)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

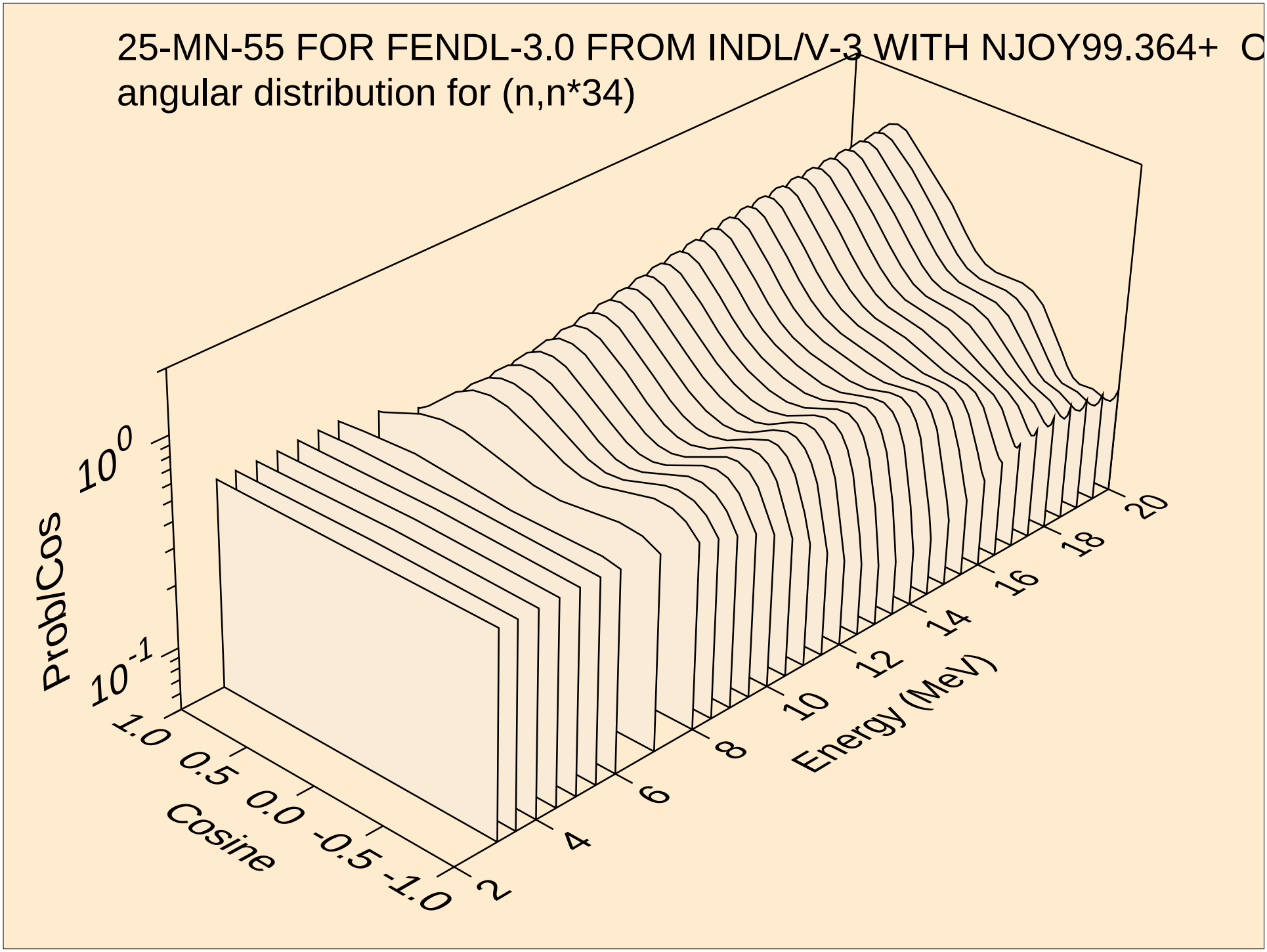

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*31)
ProbICos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

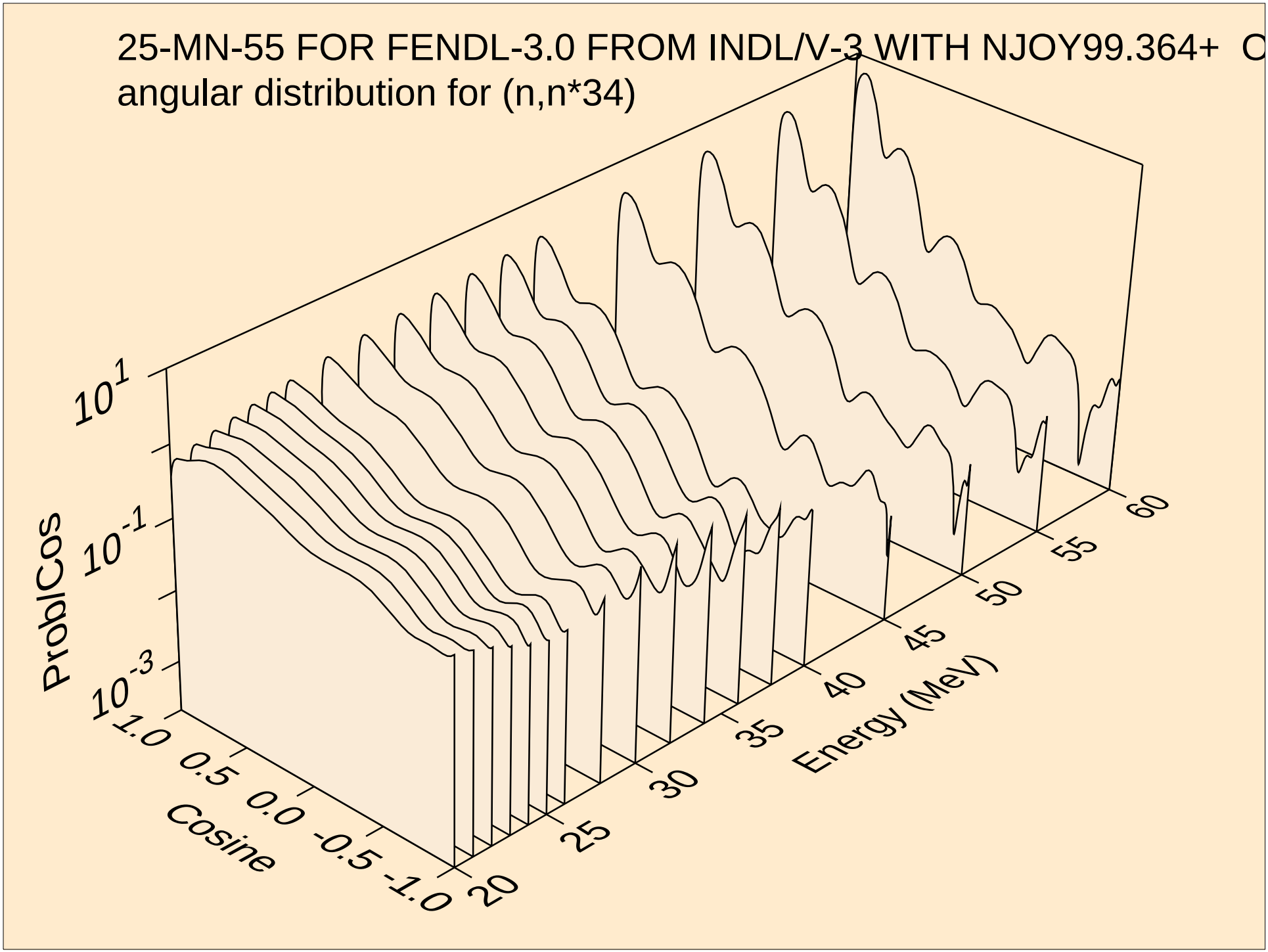

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*32)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

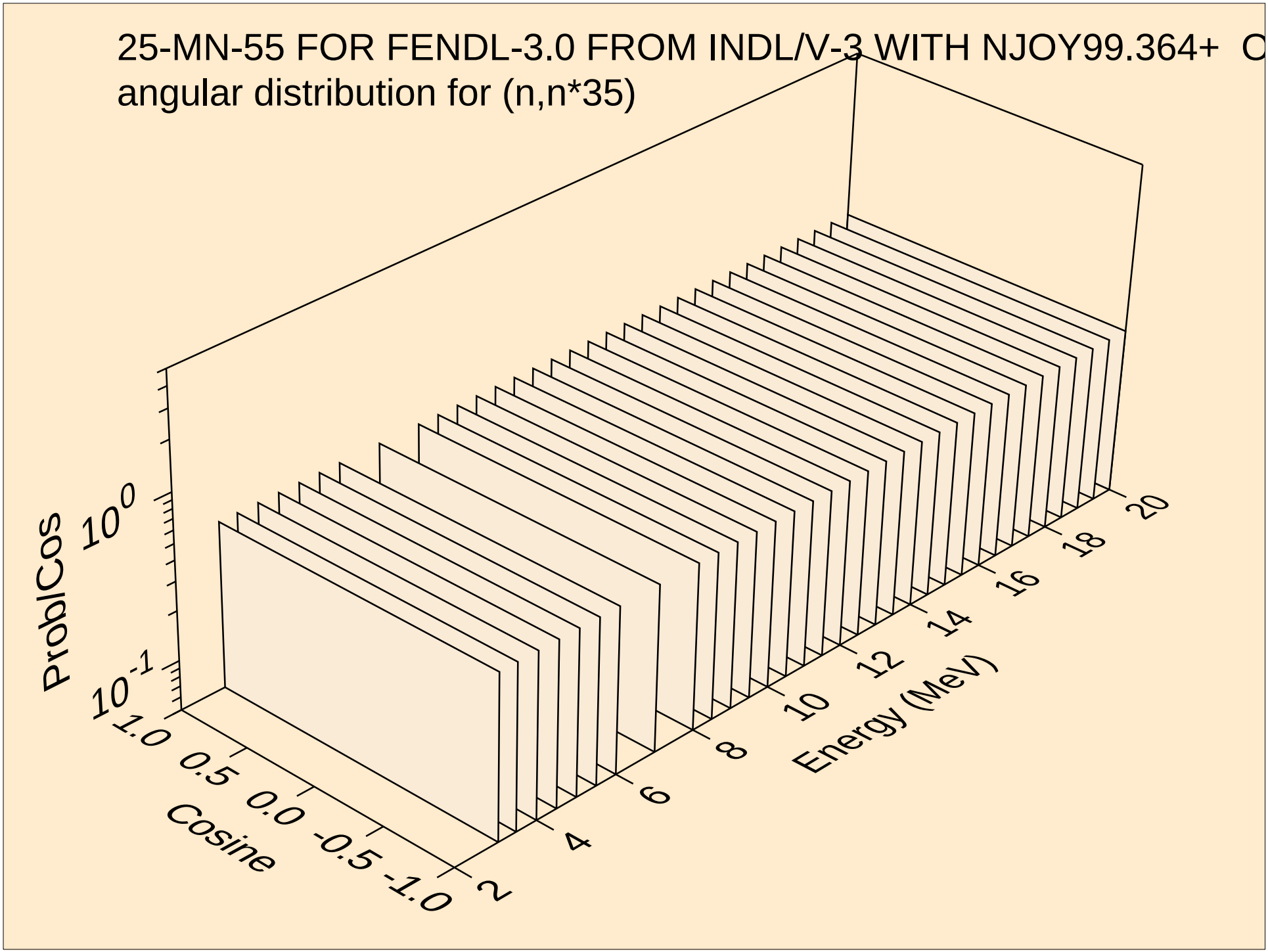

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*32)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

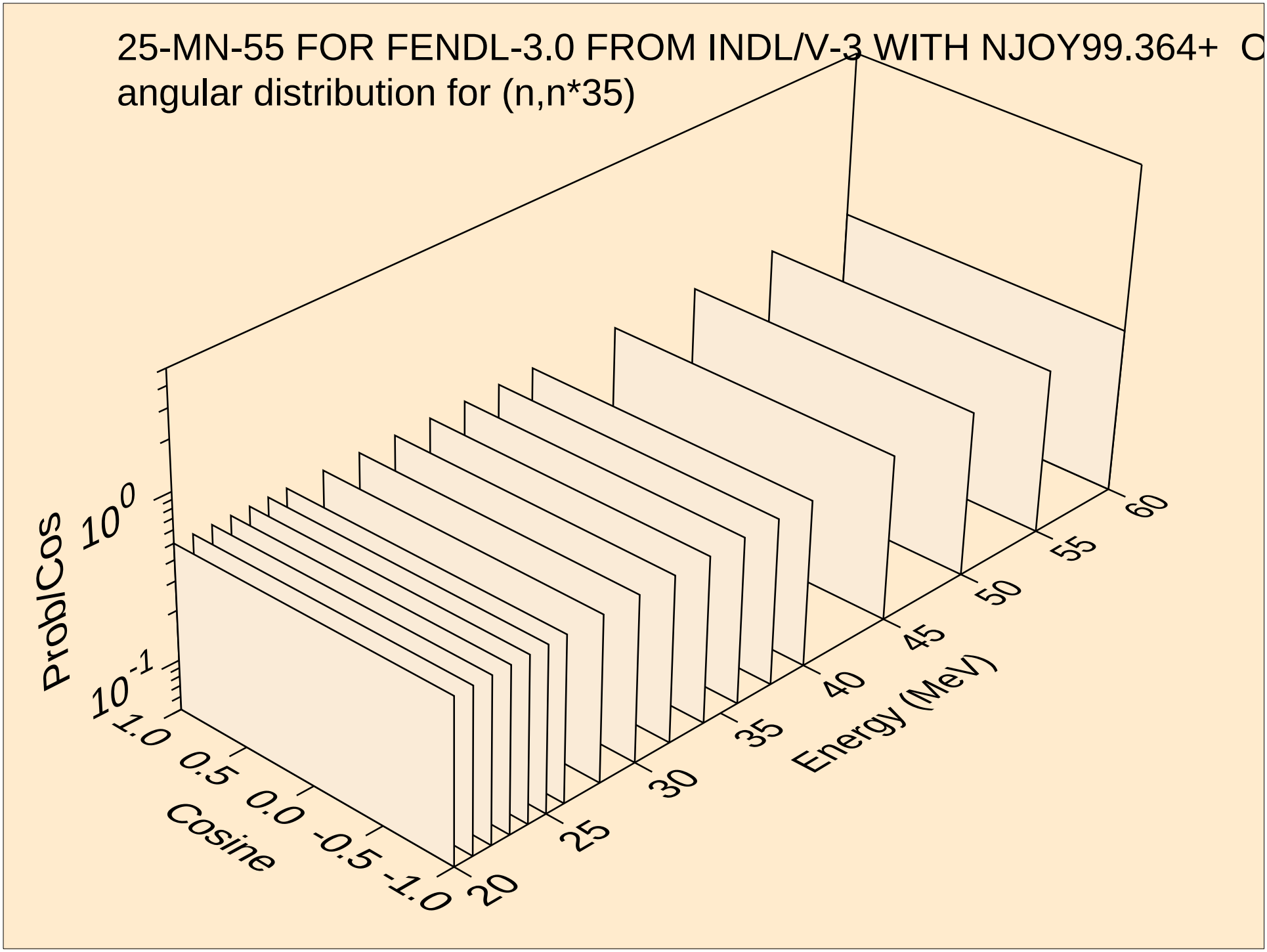

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*33)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

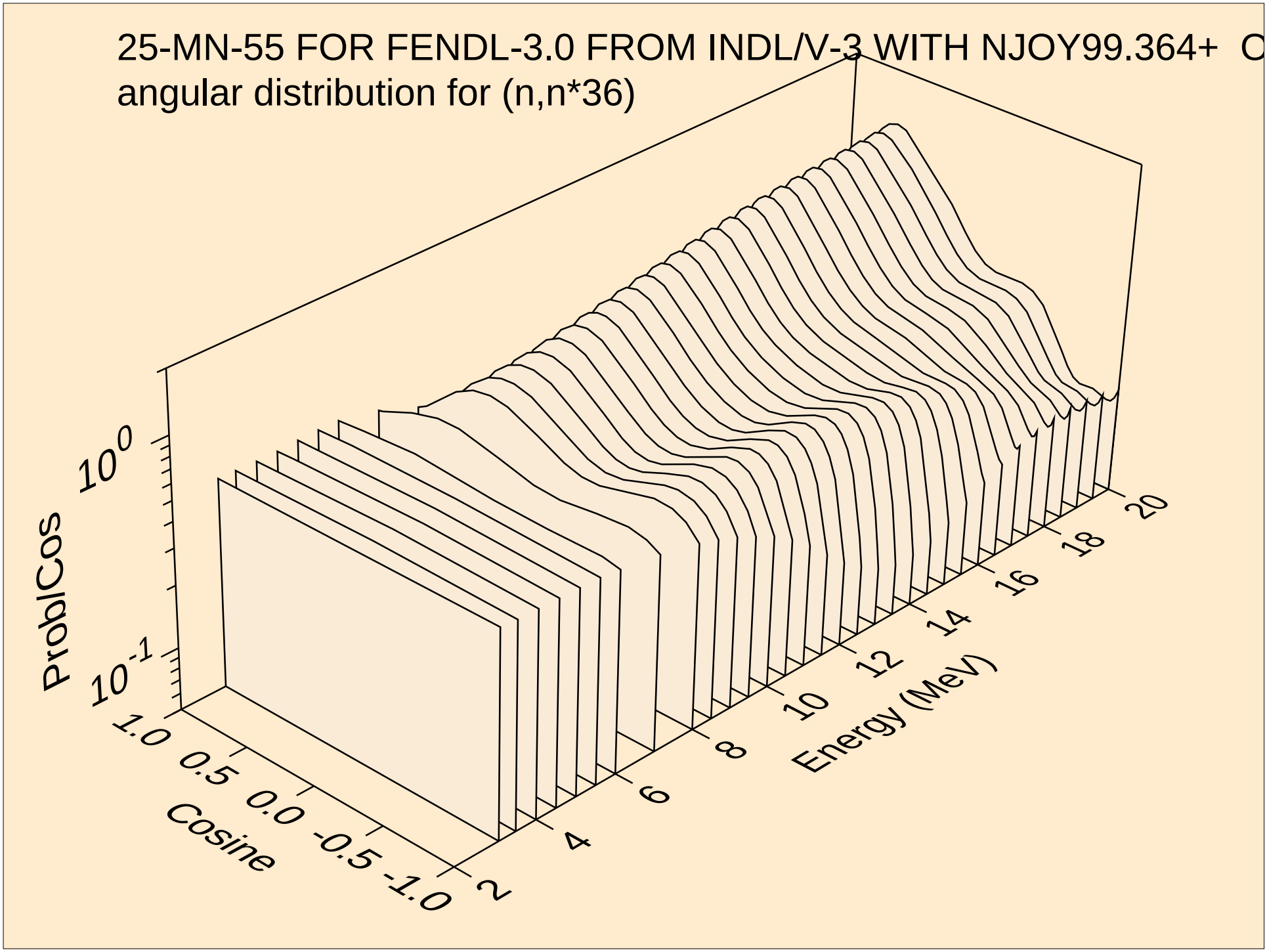

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*33)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

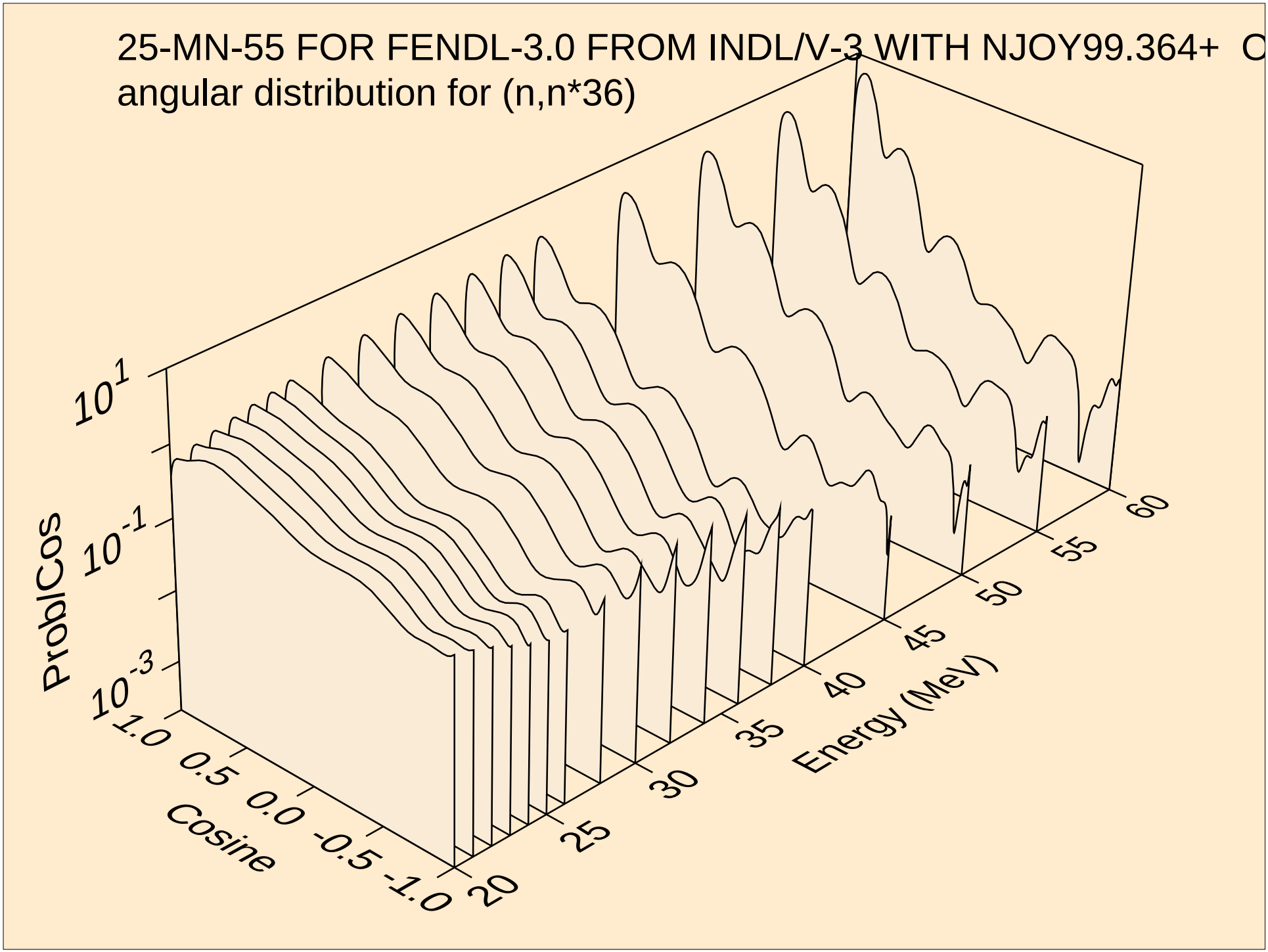

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*34)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

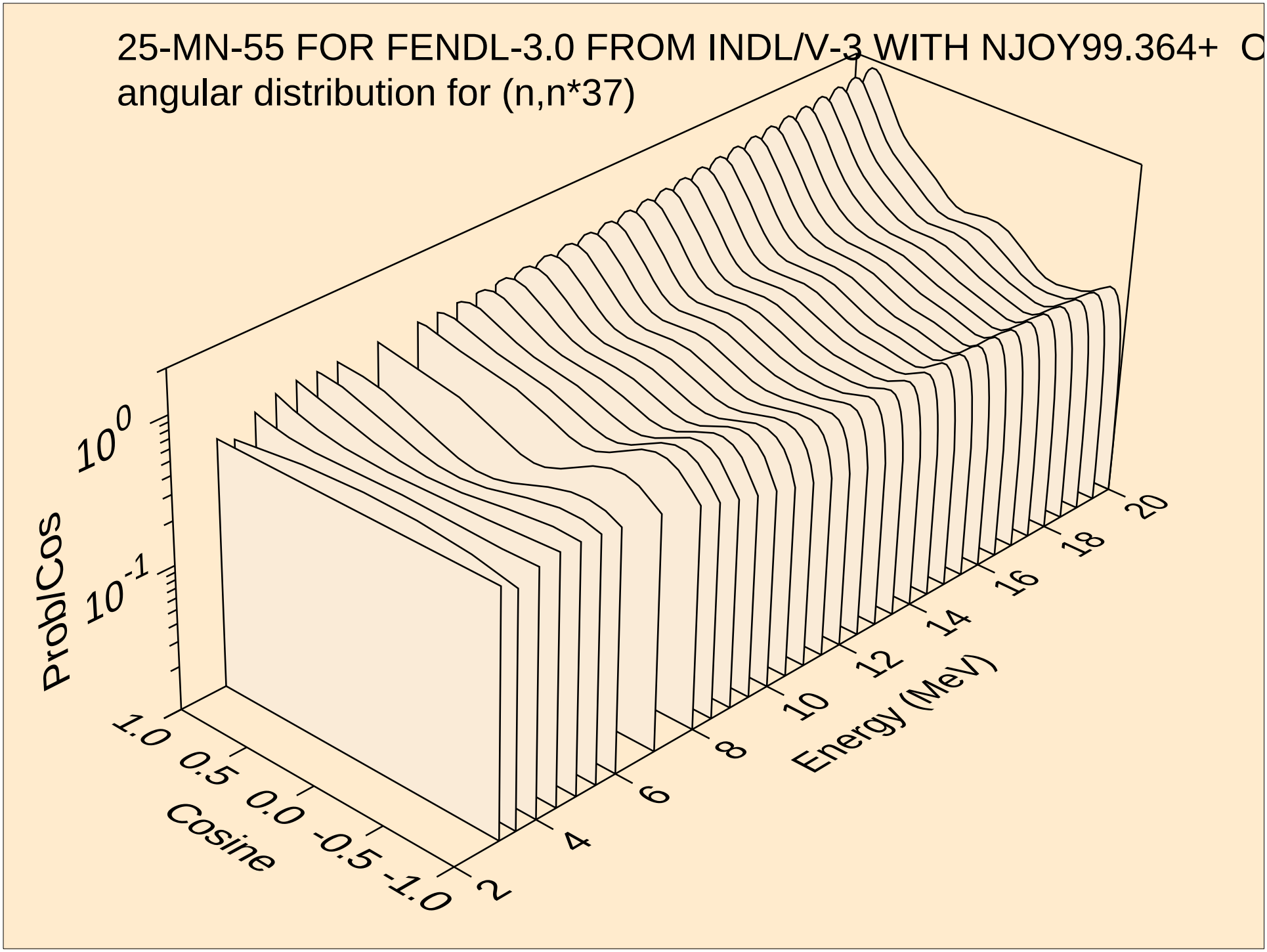

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*34)
ProbCos
10^{1}
10^{-1}
10^{-3}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

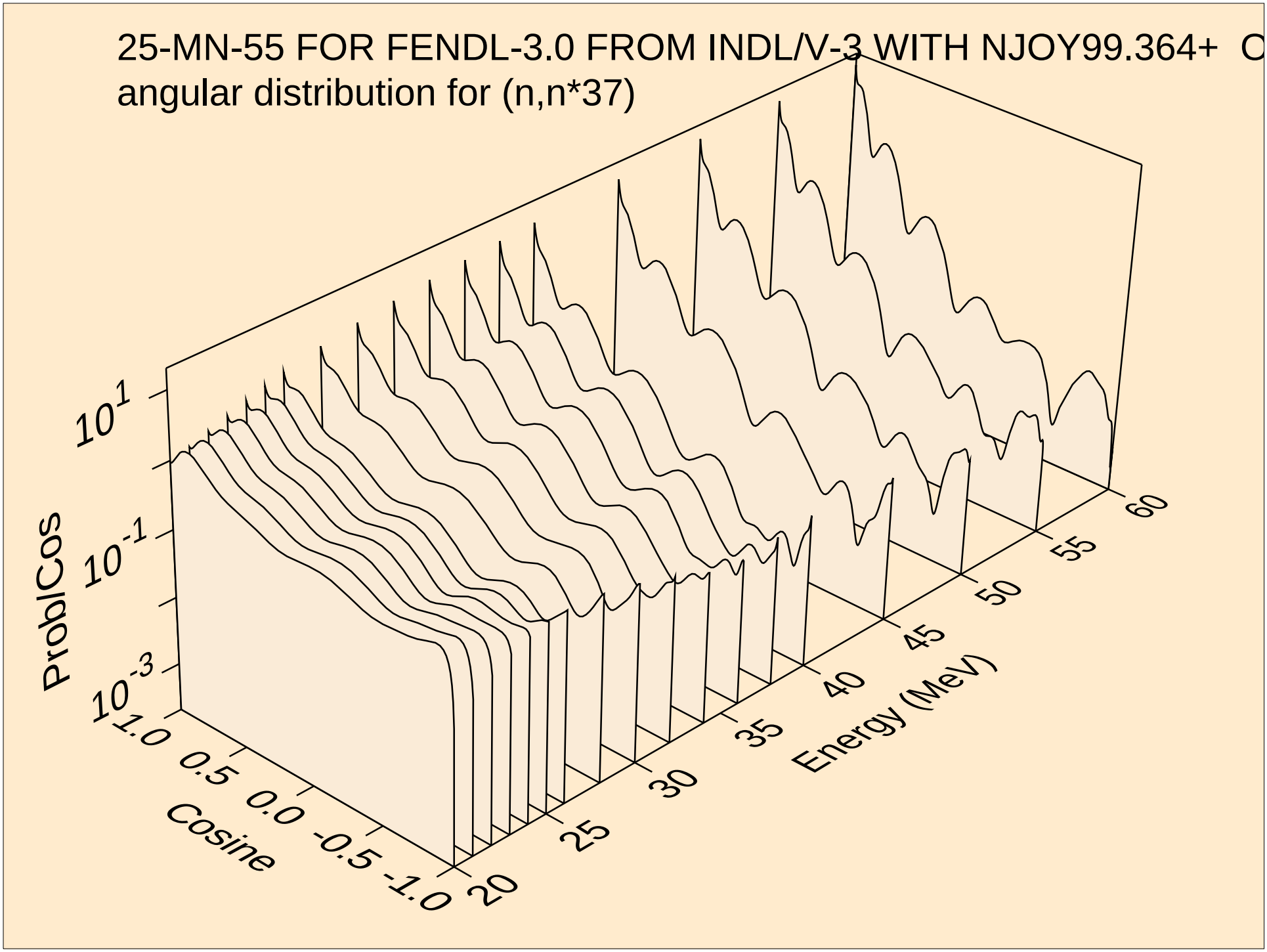

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*35)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

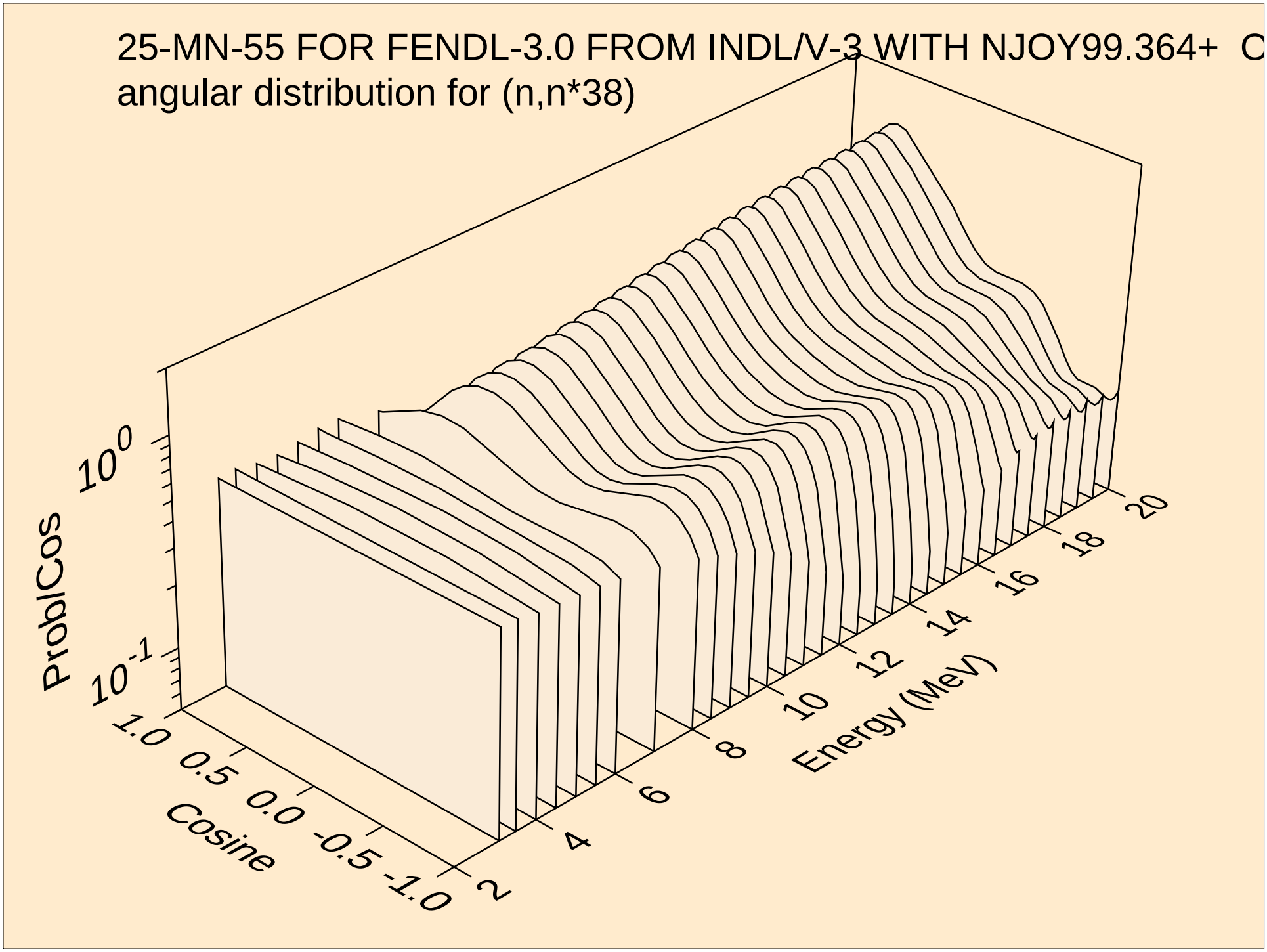

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*35)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

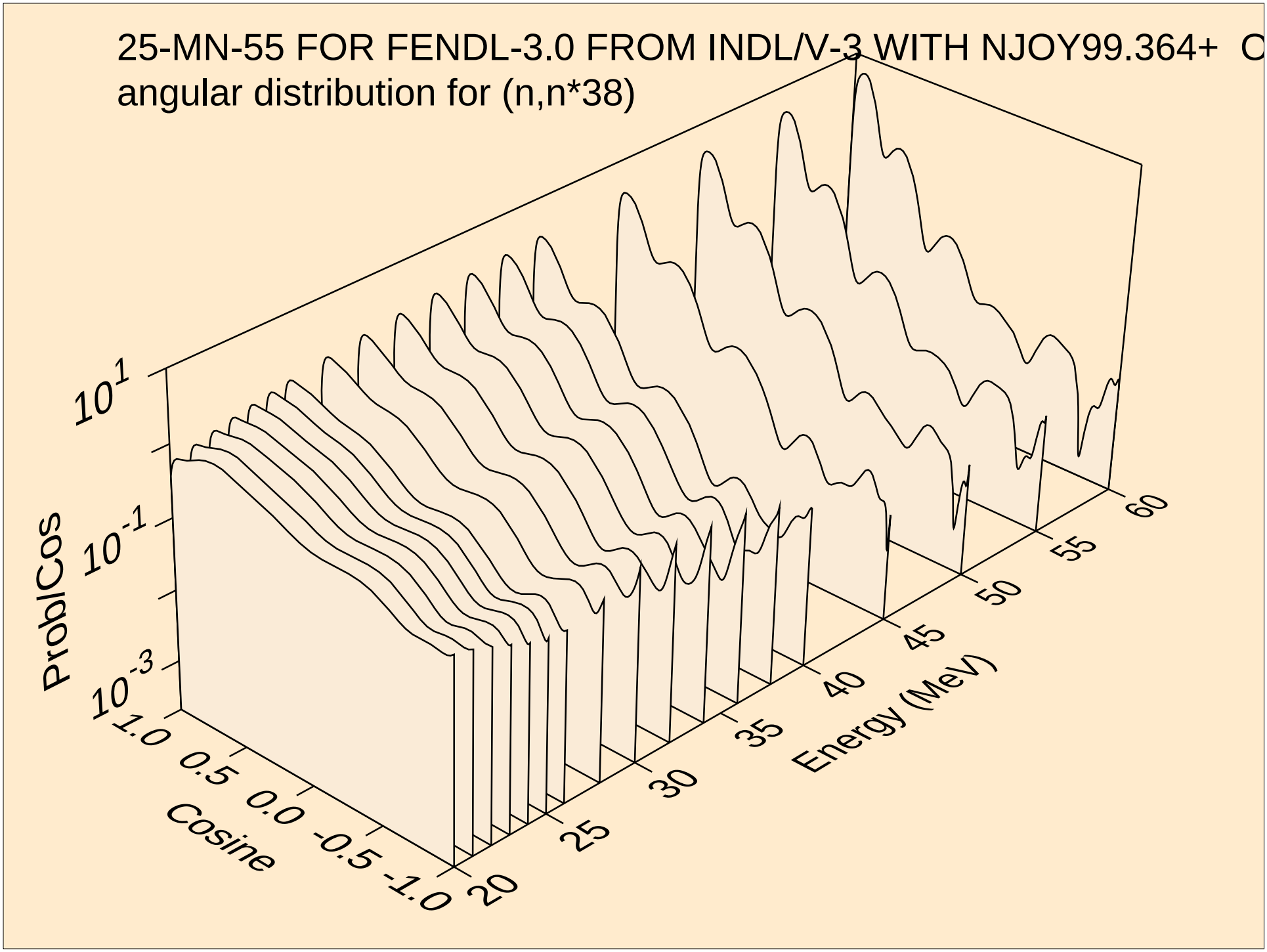

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*36)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

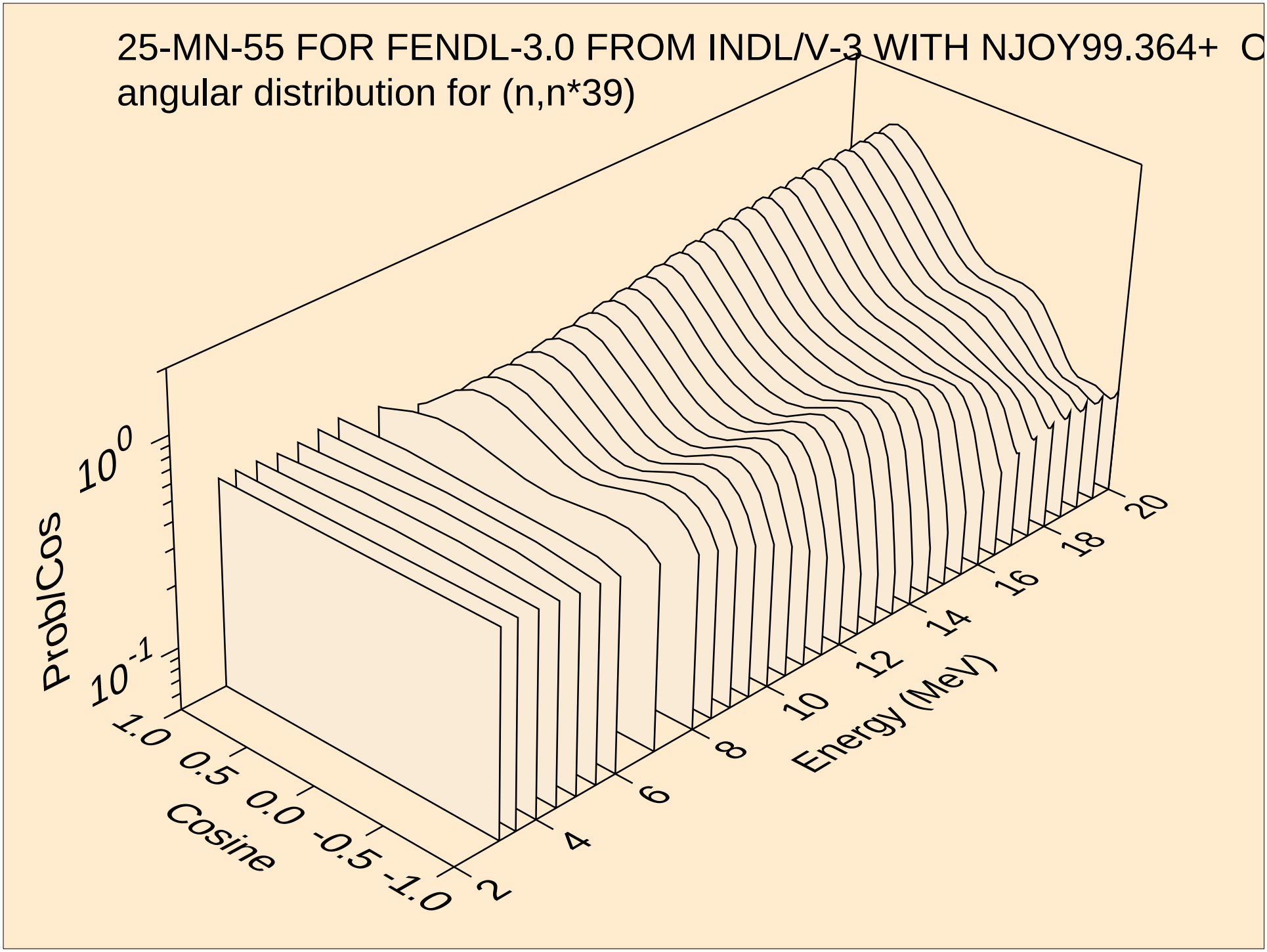

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*36)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

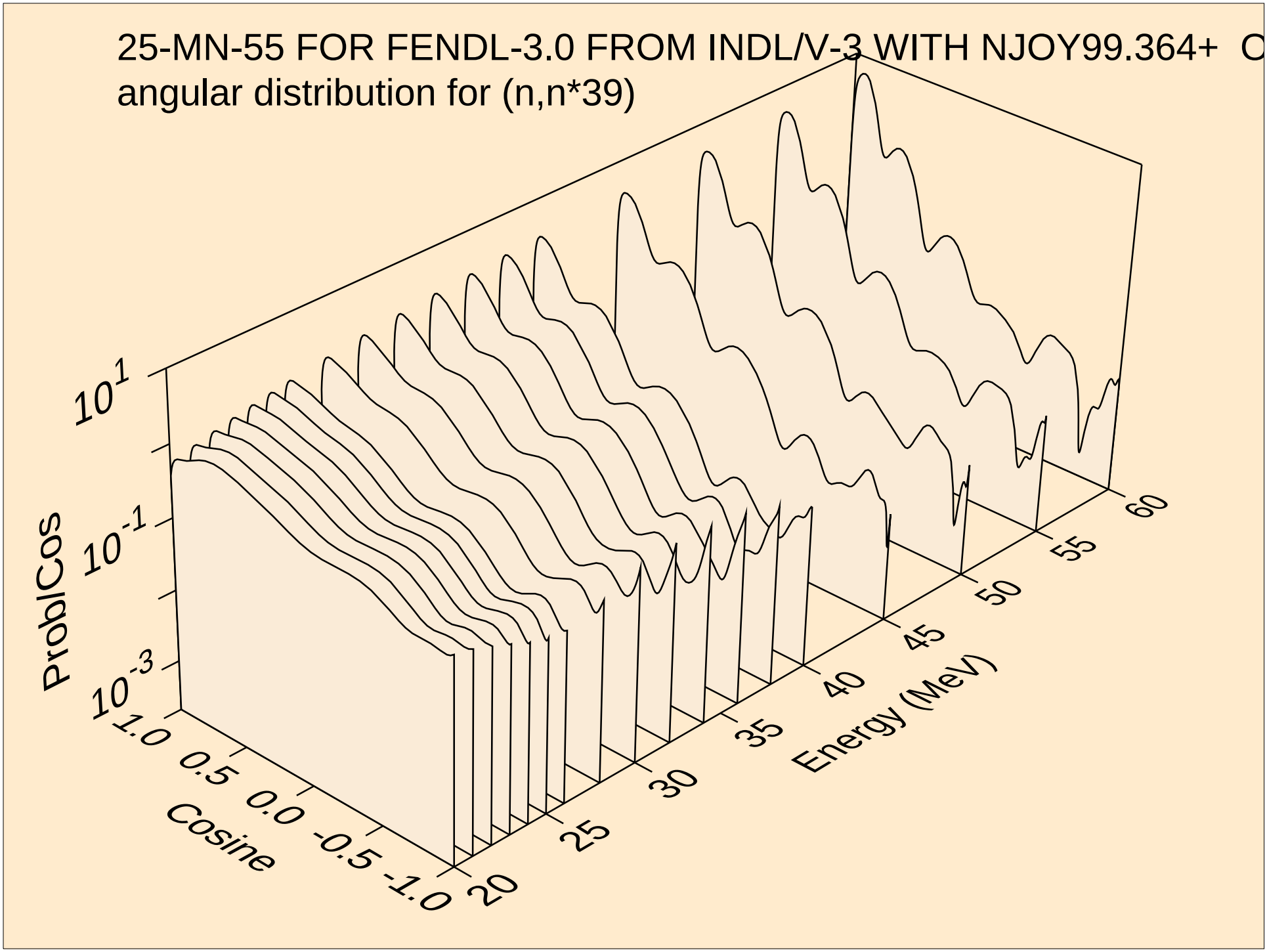

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*37)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

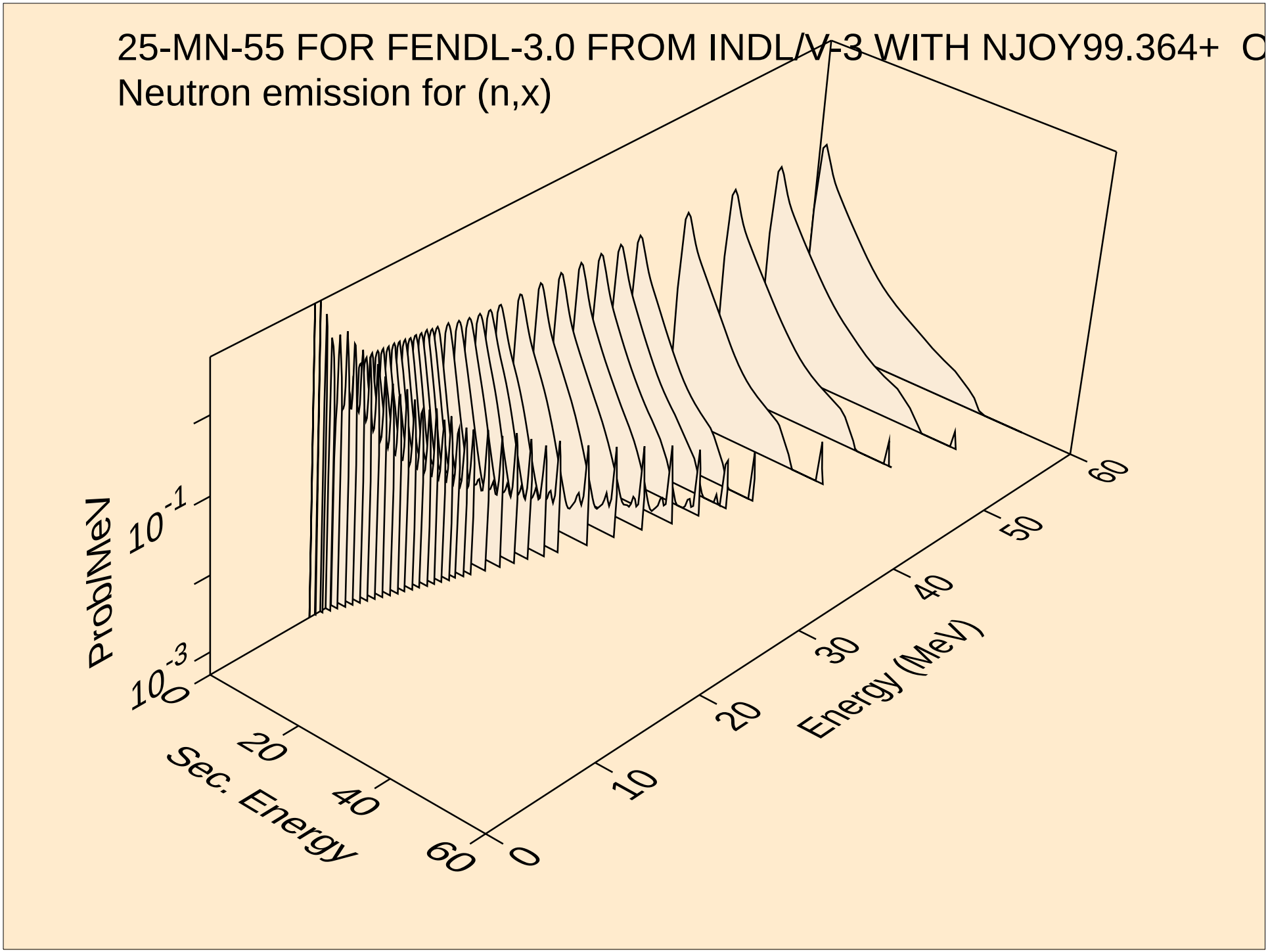

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*37)
ProbCos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

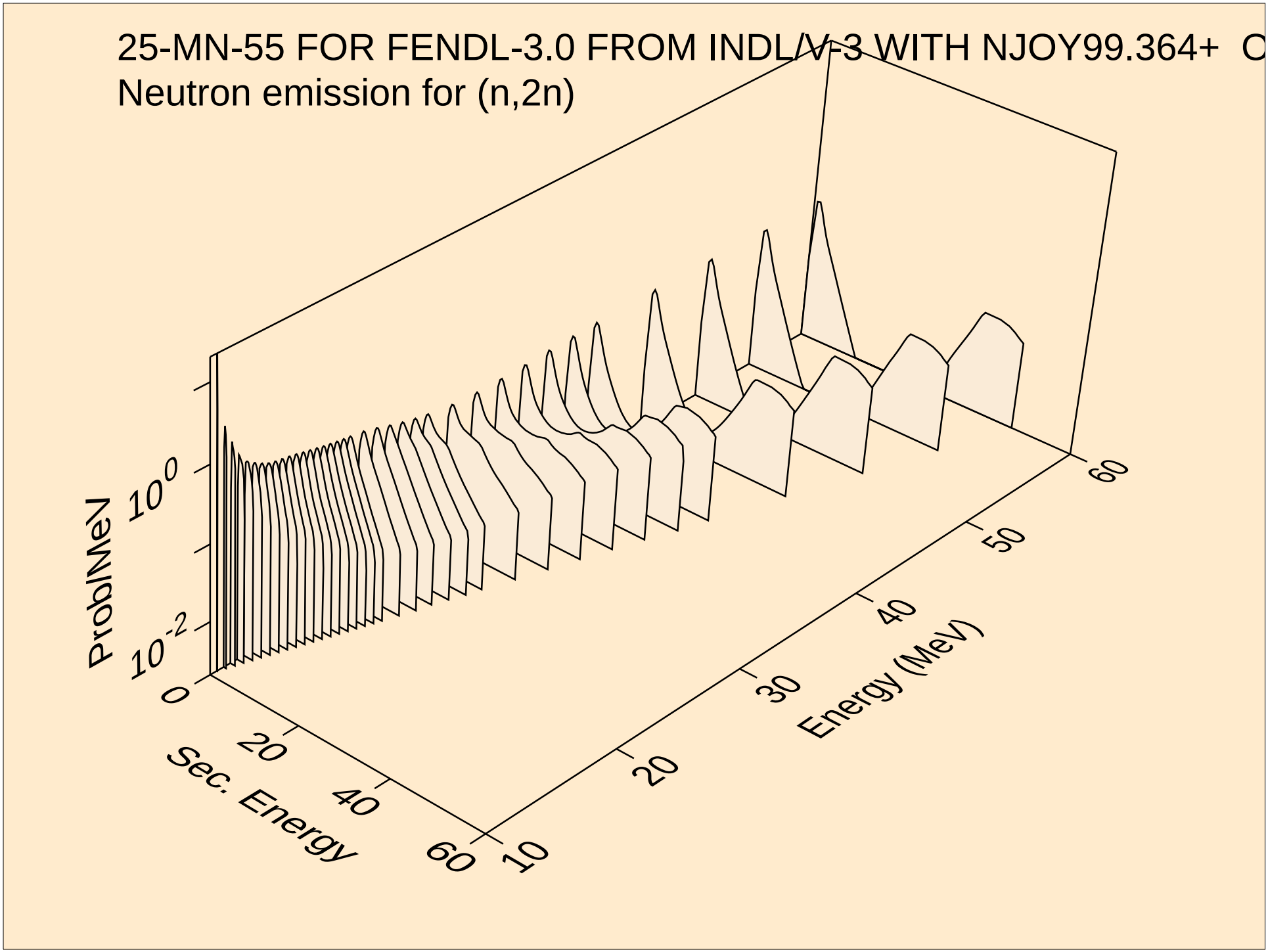

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*38)
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

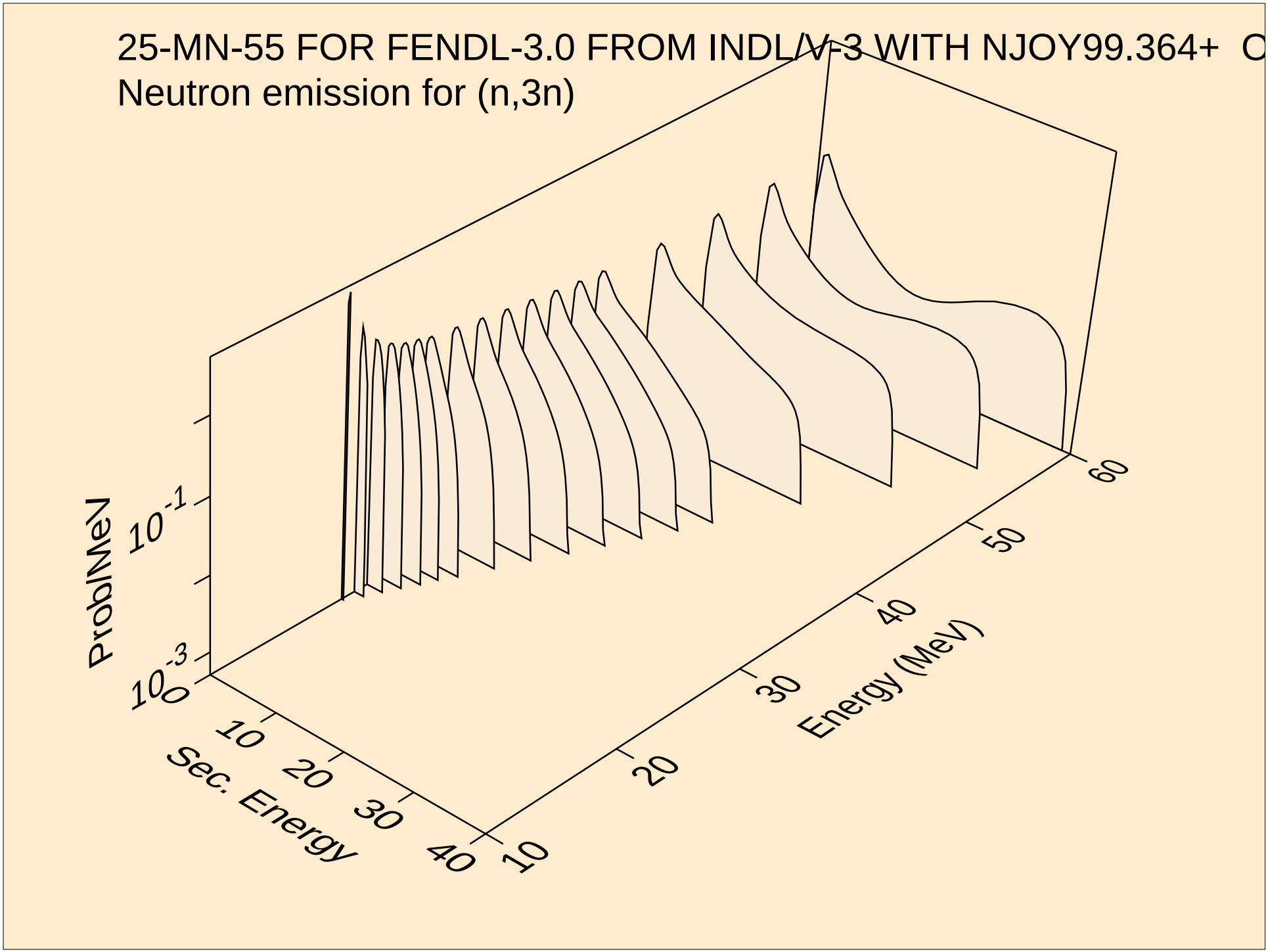

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*38)
ProbICos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

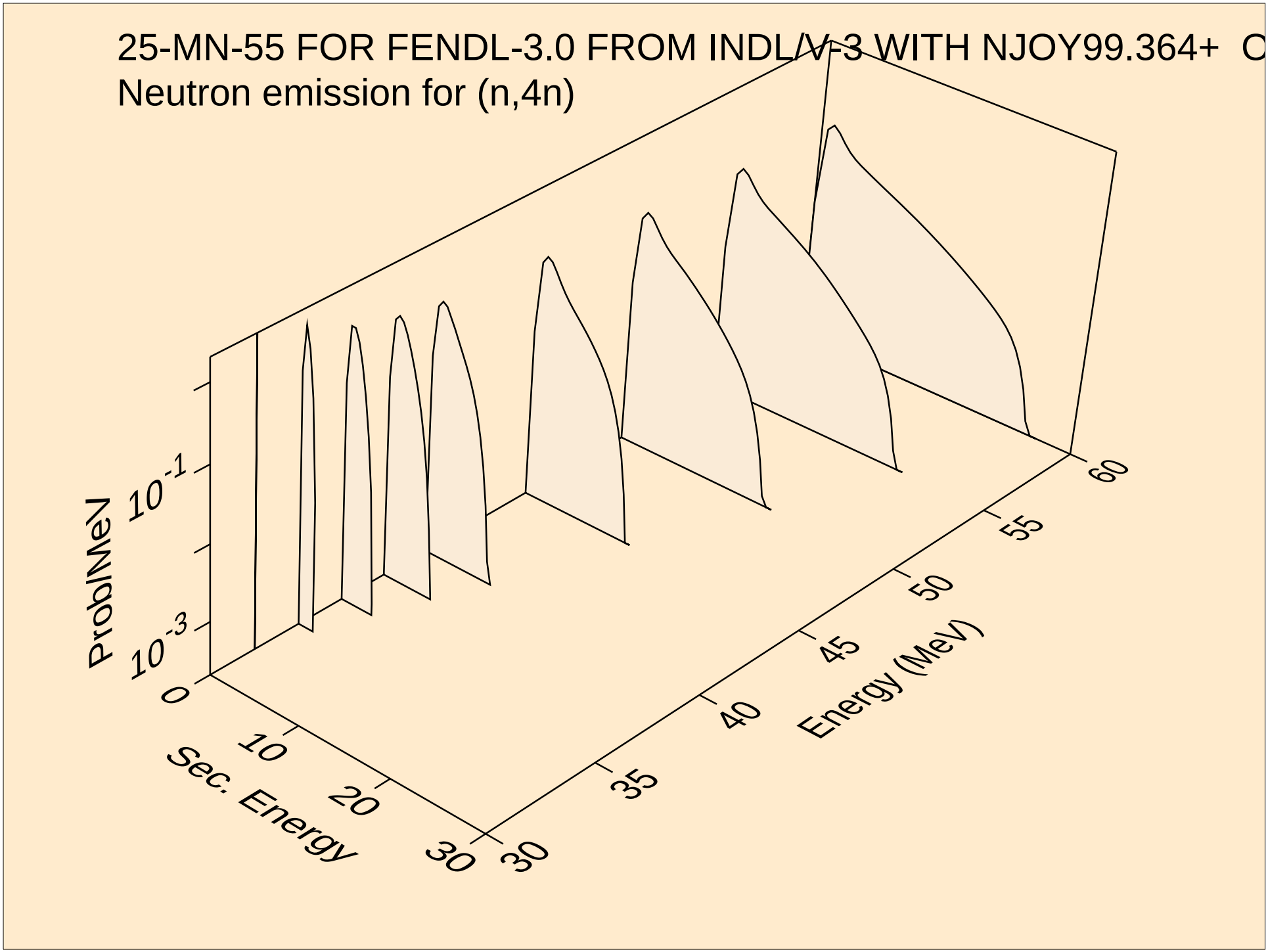

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*39)
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

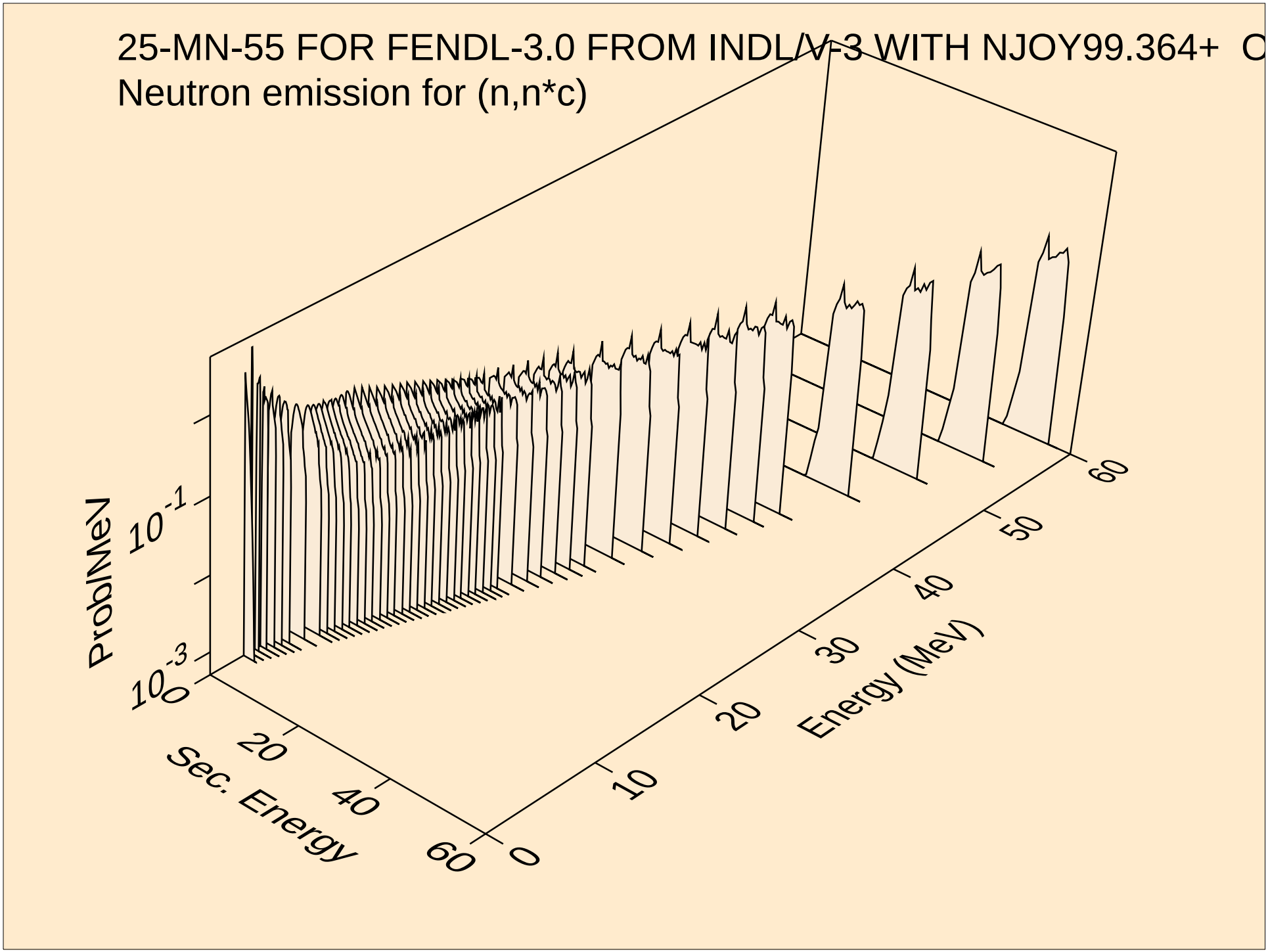

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,n*39)
ProbICos
10^1
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

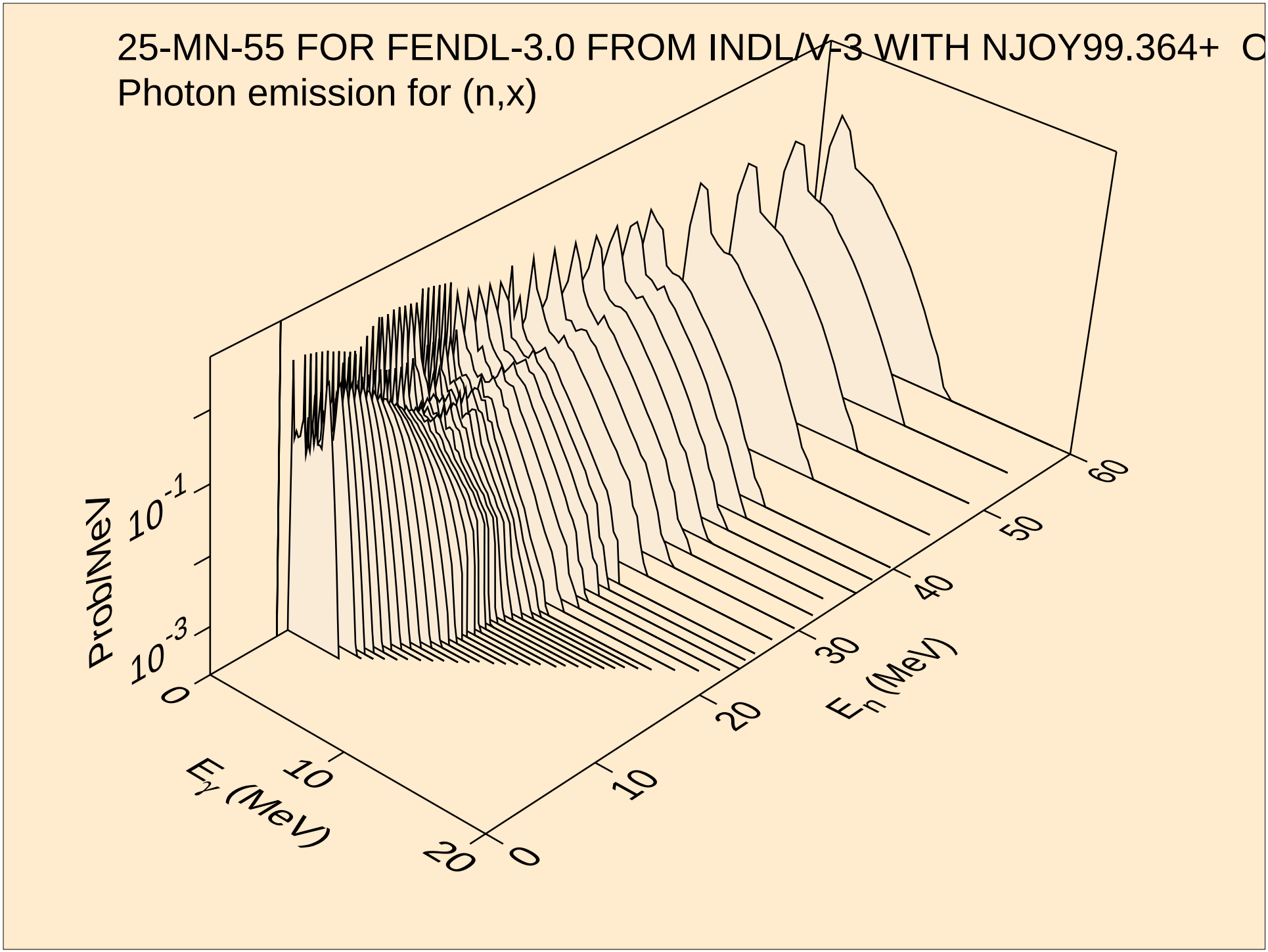

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Neutron emission for (n,x)
Prob/MeV
10-1
10-3
0
20
40
60
Sec. Energy
0
10
20
30
40
50
60
Energy (MeV)

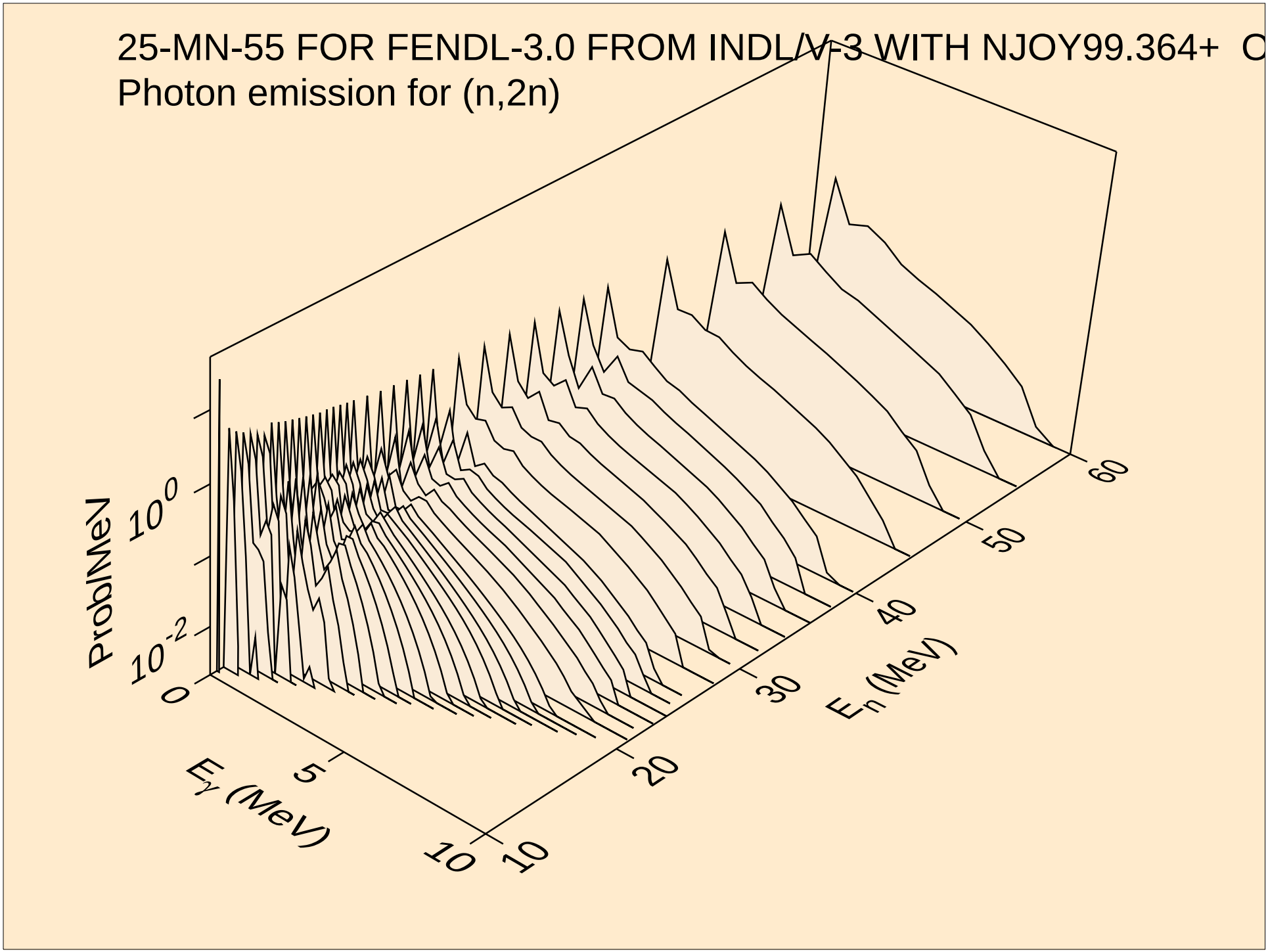

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Neutron emission for (n,2n)
Prob/MeV
10^0
10^-2
0
20
40
60
Sec. Energy
10
20
30
40
50
60
Energy (MeV)

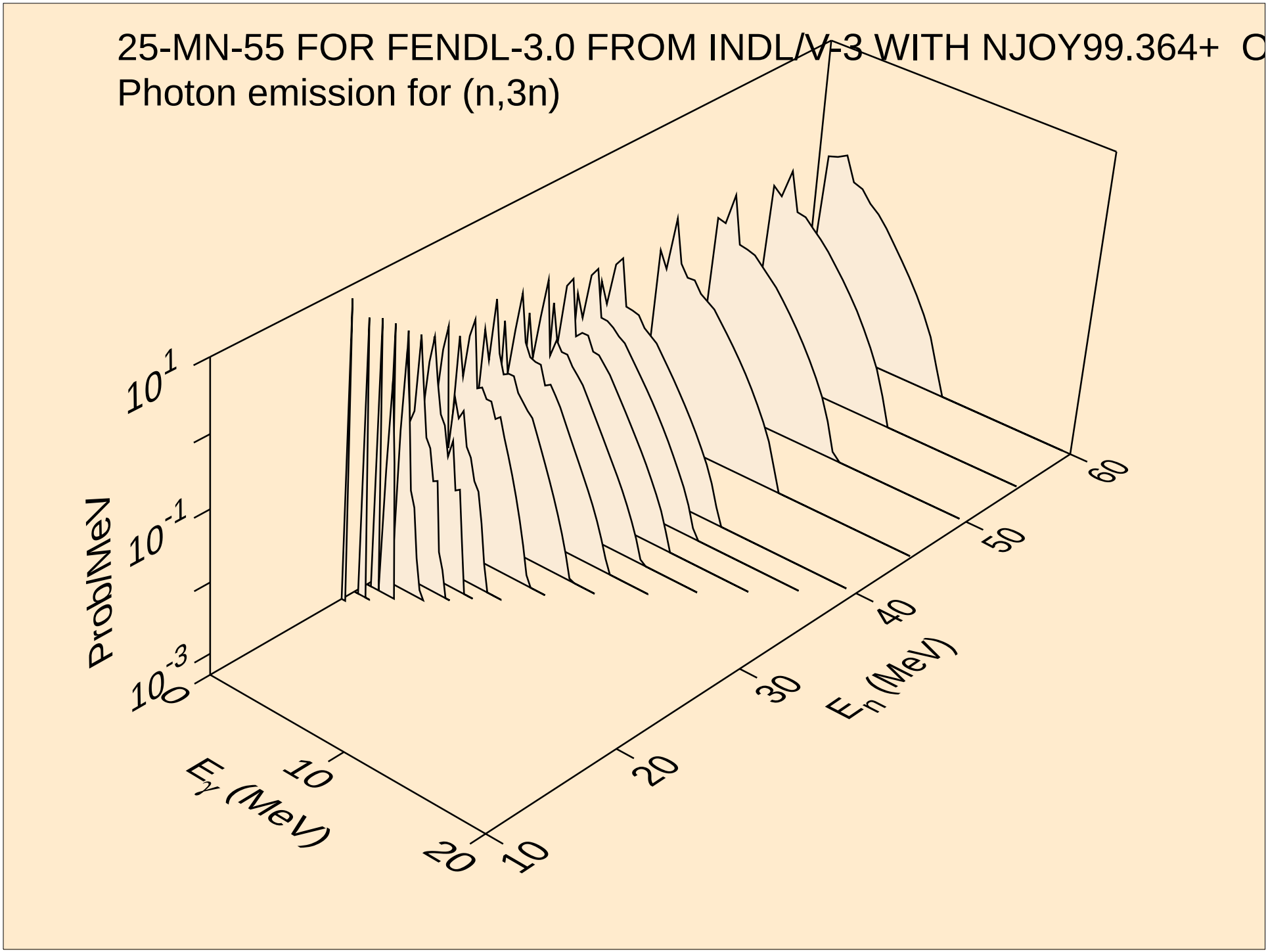

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0
10
20
30
40
Sec. Energy
10
20
30
40
50
60
Energy (MeV)

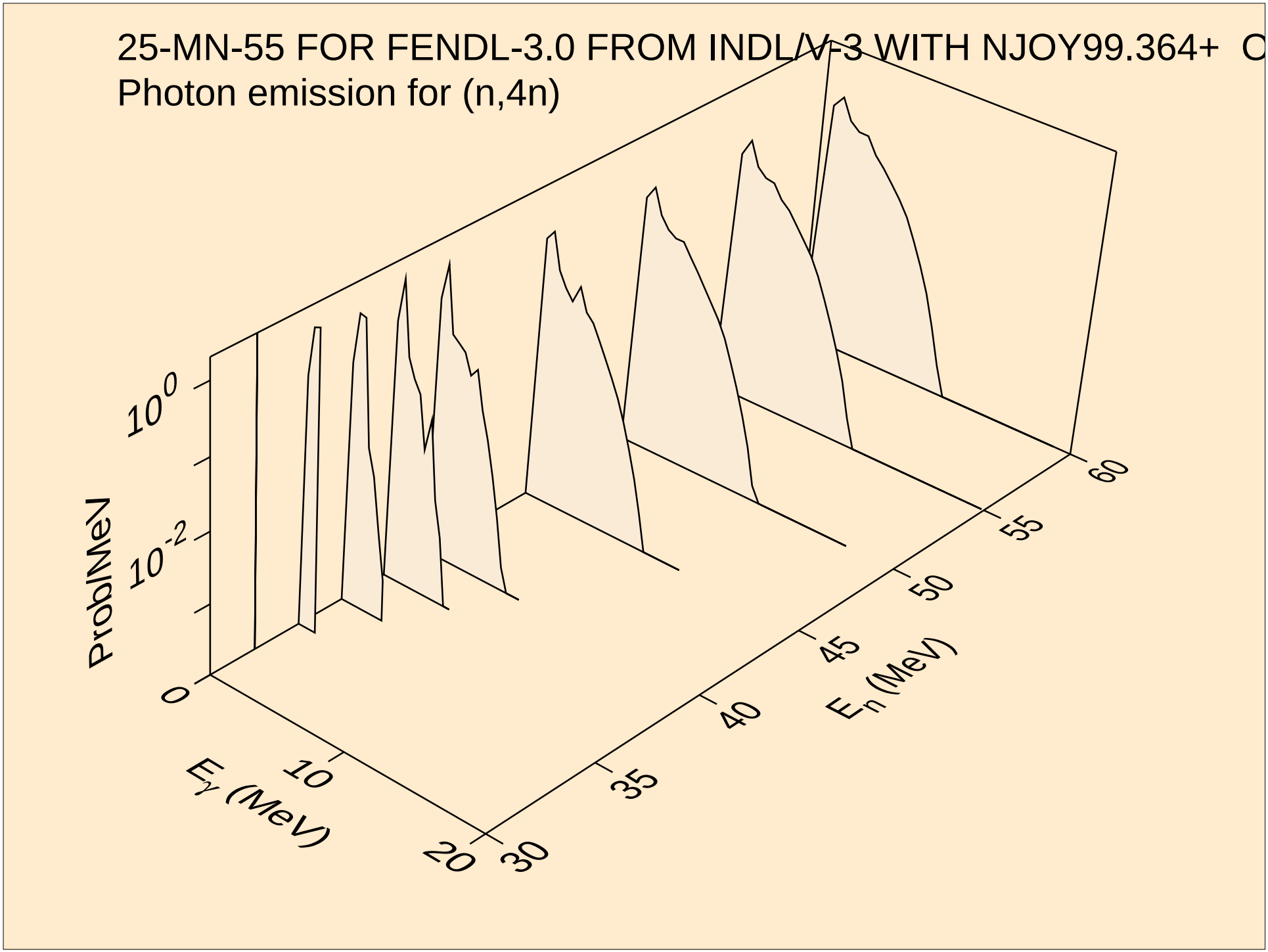

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Neutron emission for (n,4n)
Prob/MeV
10-1
10-3
0
10
20
30
Sec. Energy
30
35
40
45
50
55
60
Energy (MeV)

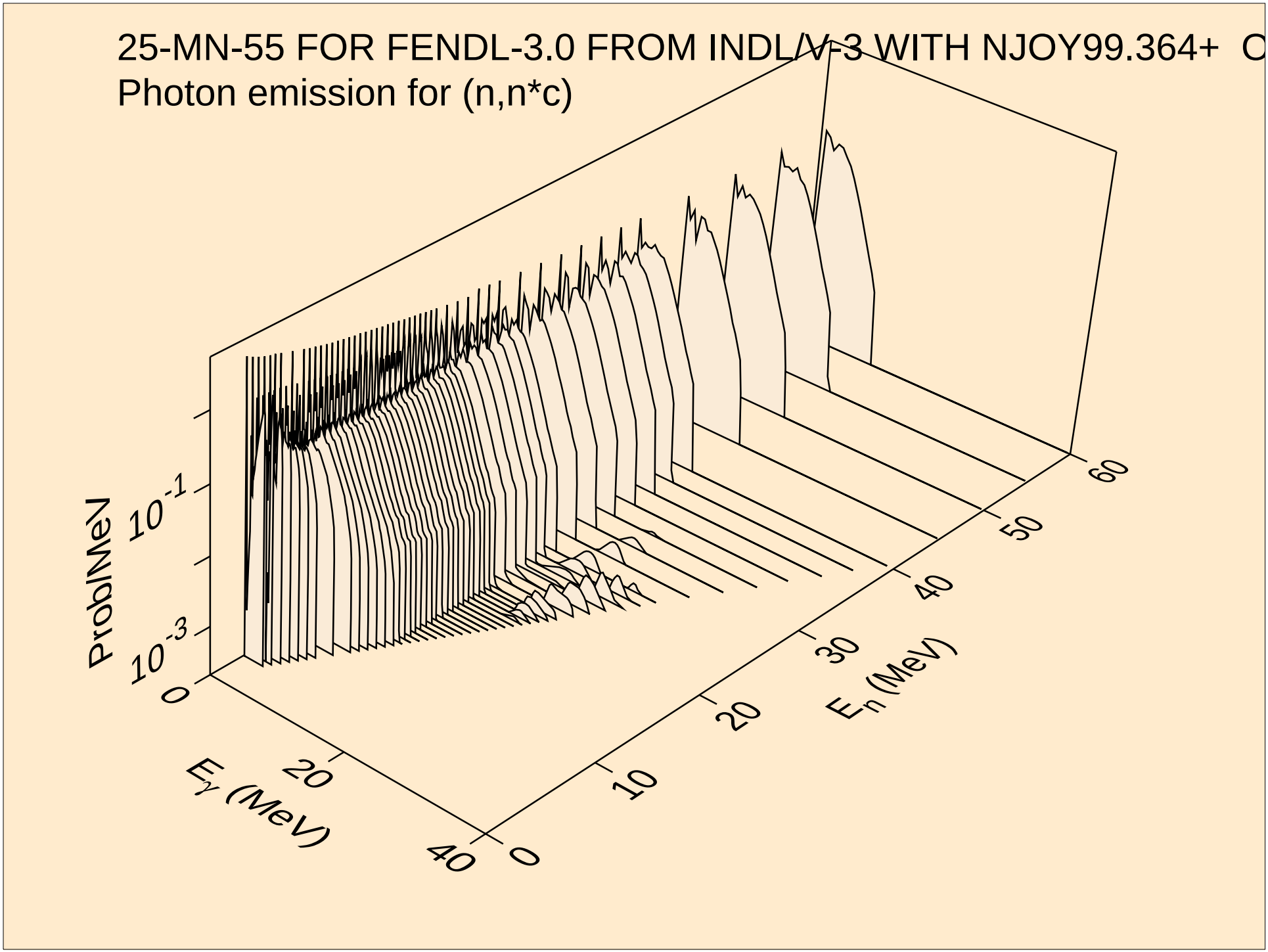

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Neutron emission for (n,n*c)
Prob/MeV
10-1
10-3
0
20
40
60
Sec. Energy
0
10
20
30
40
50
60
Energy (MeV)

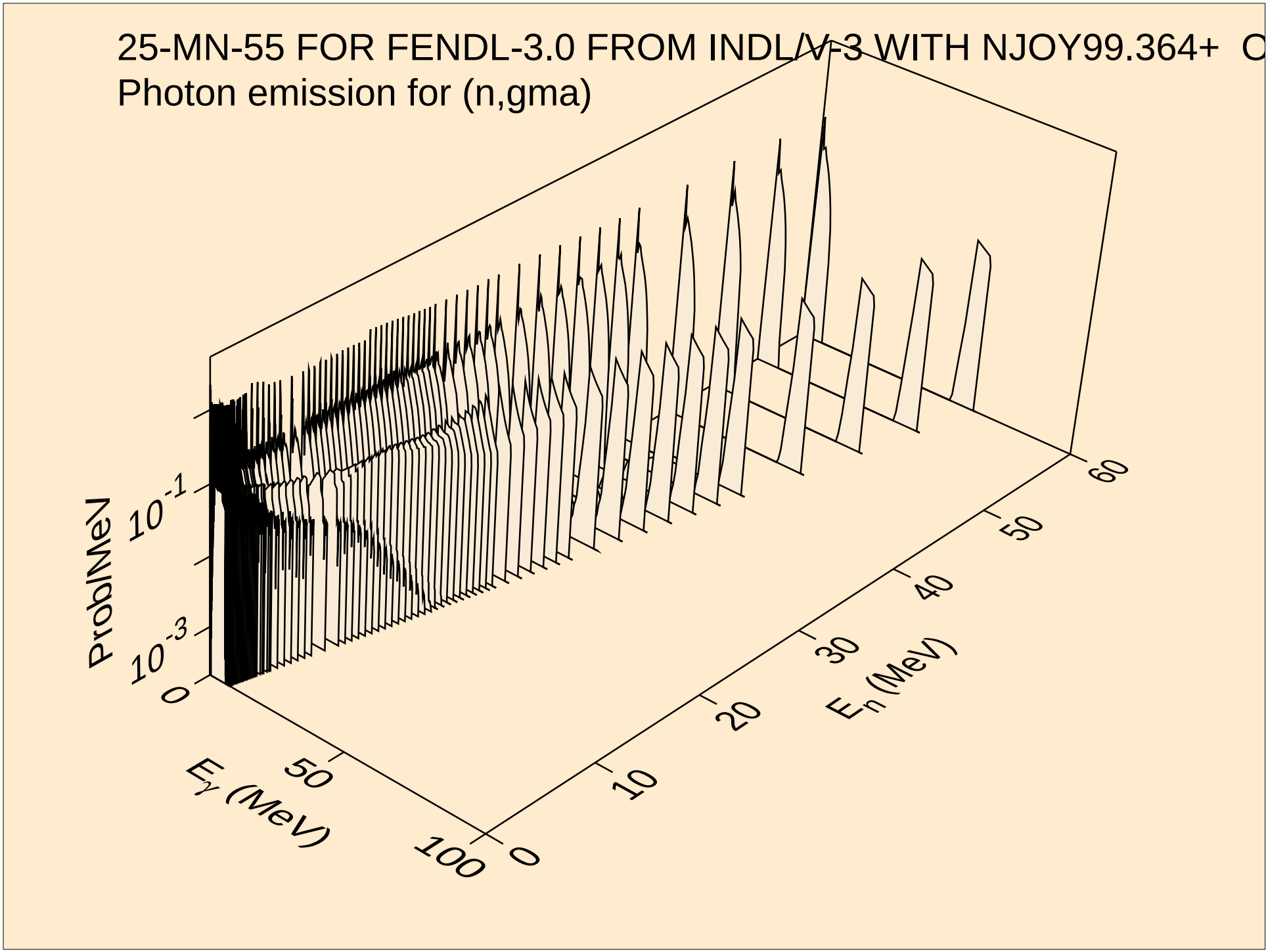

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,x)
Prob/MeV
10-1
10-3
0
Eγ (MeV)
10
20
0
10
20
30
40
50
60
En (MeV)

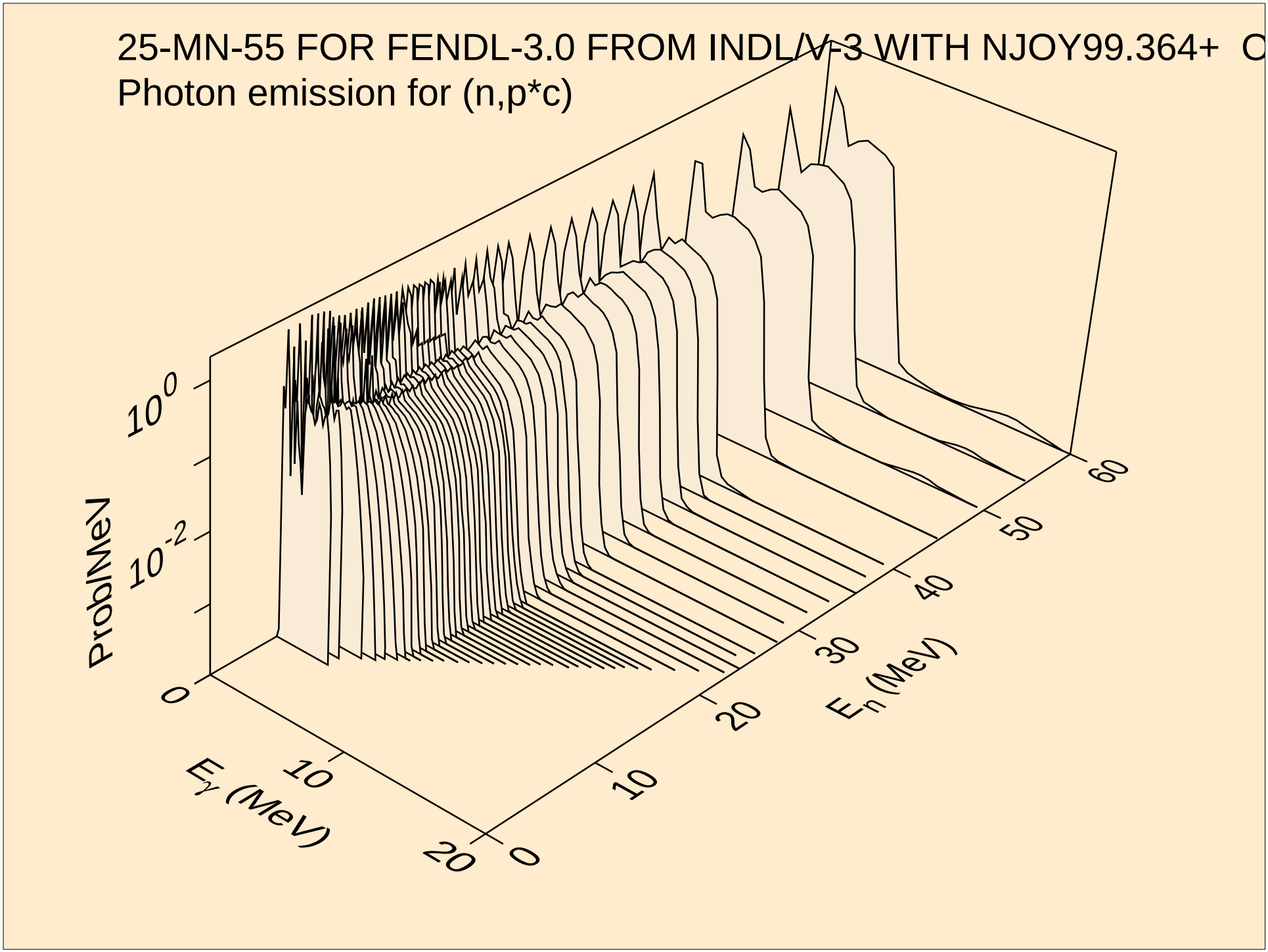

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,2n)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
5
10
10
20
30
40
50
60
E_n (MeV)

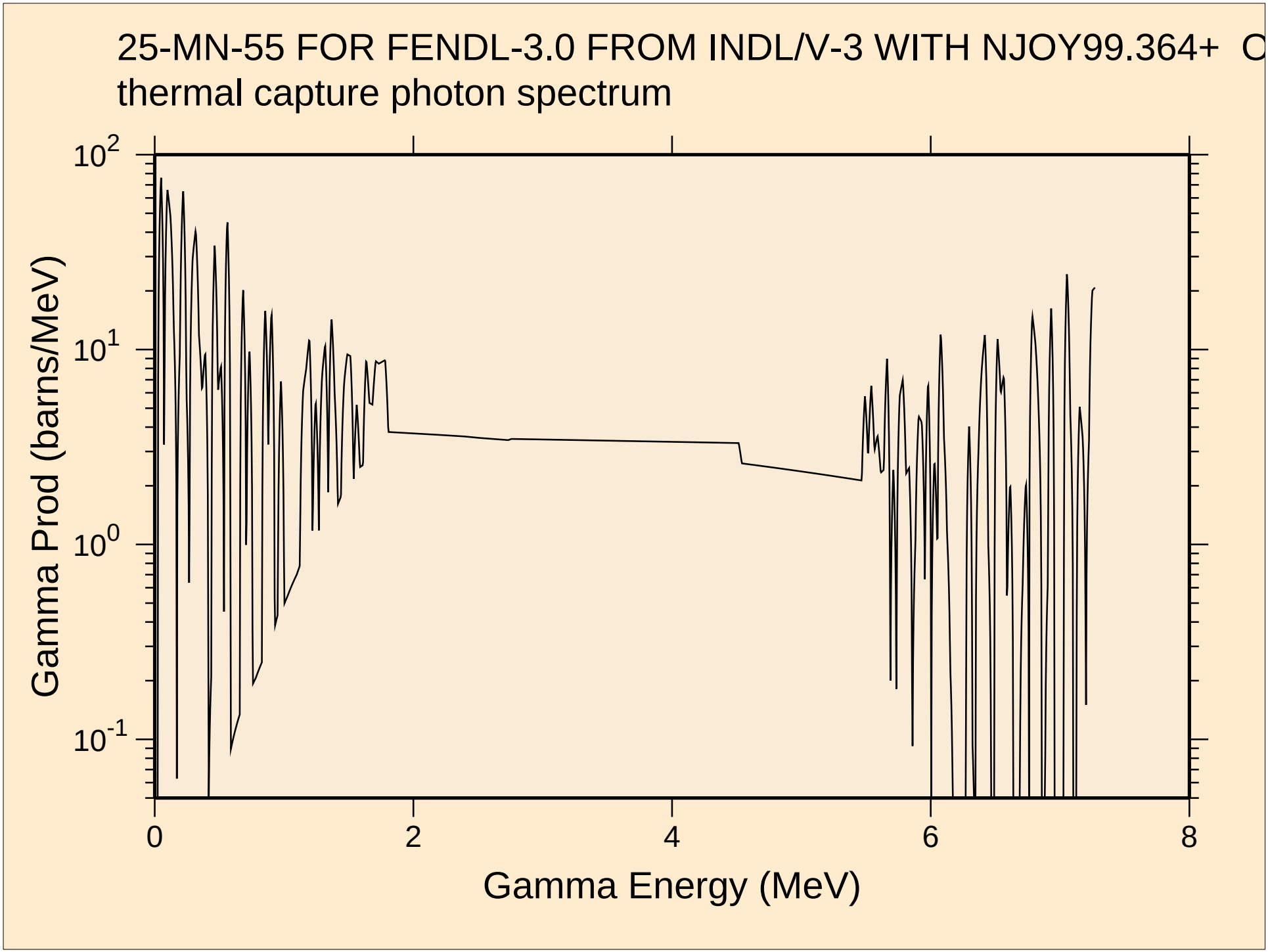

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,3n)
Prob/MeV
10^{1}
10^{-1}
10^{-3}
0
10
20
E_γ (MeV)
10
20
30
40
50
60
E_n (MeV)

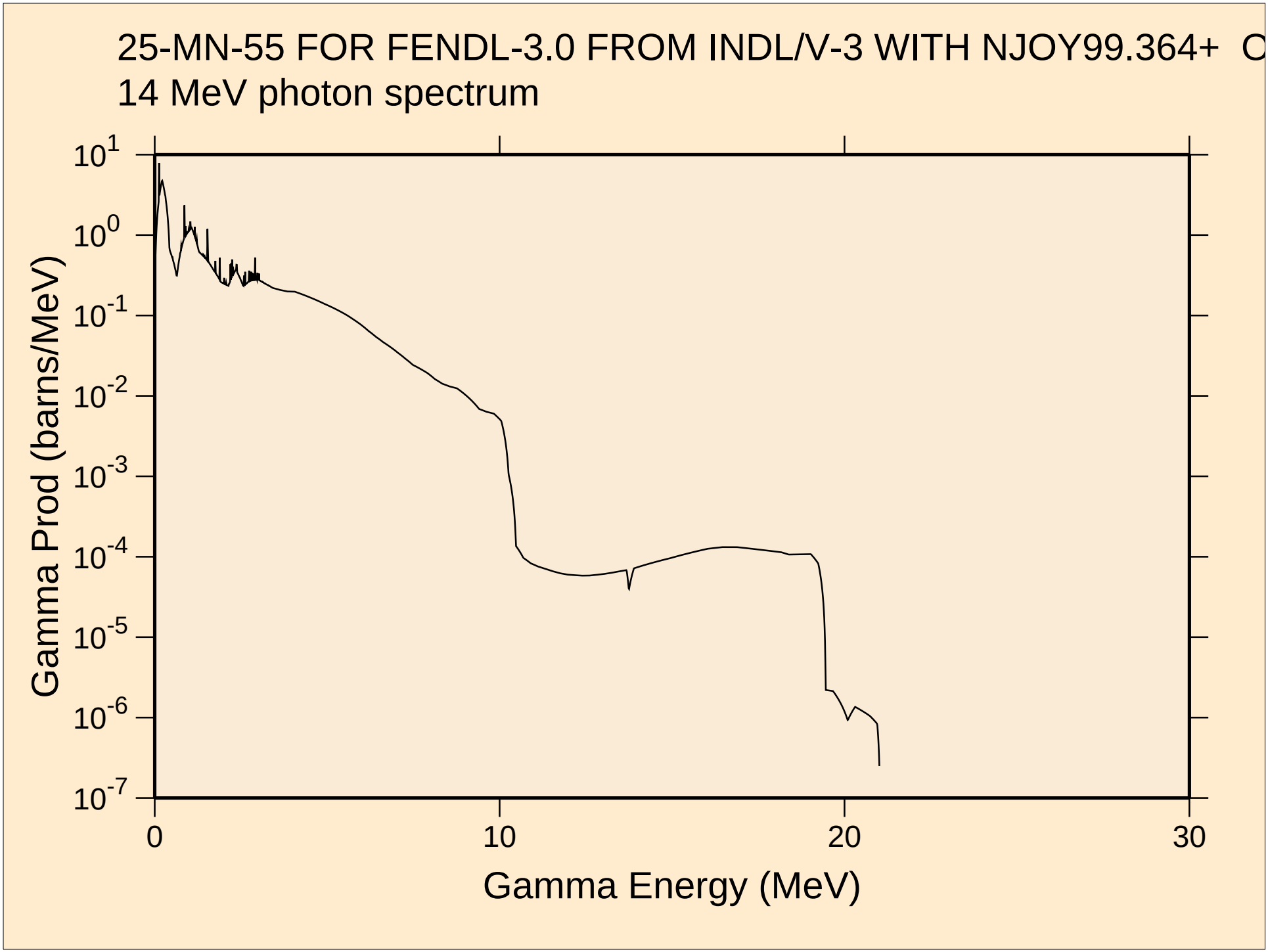

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,4n)
Prob/MeV
10^0
10^-2
0
10
20
E_γ (MeV)
30
35
40
45
50
55
60
E_n (MeV)

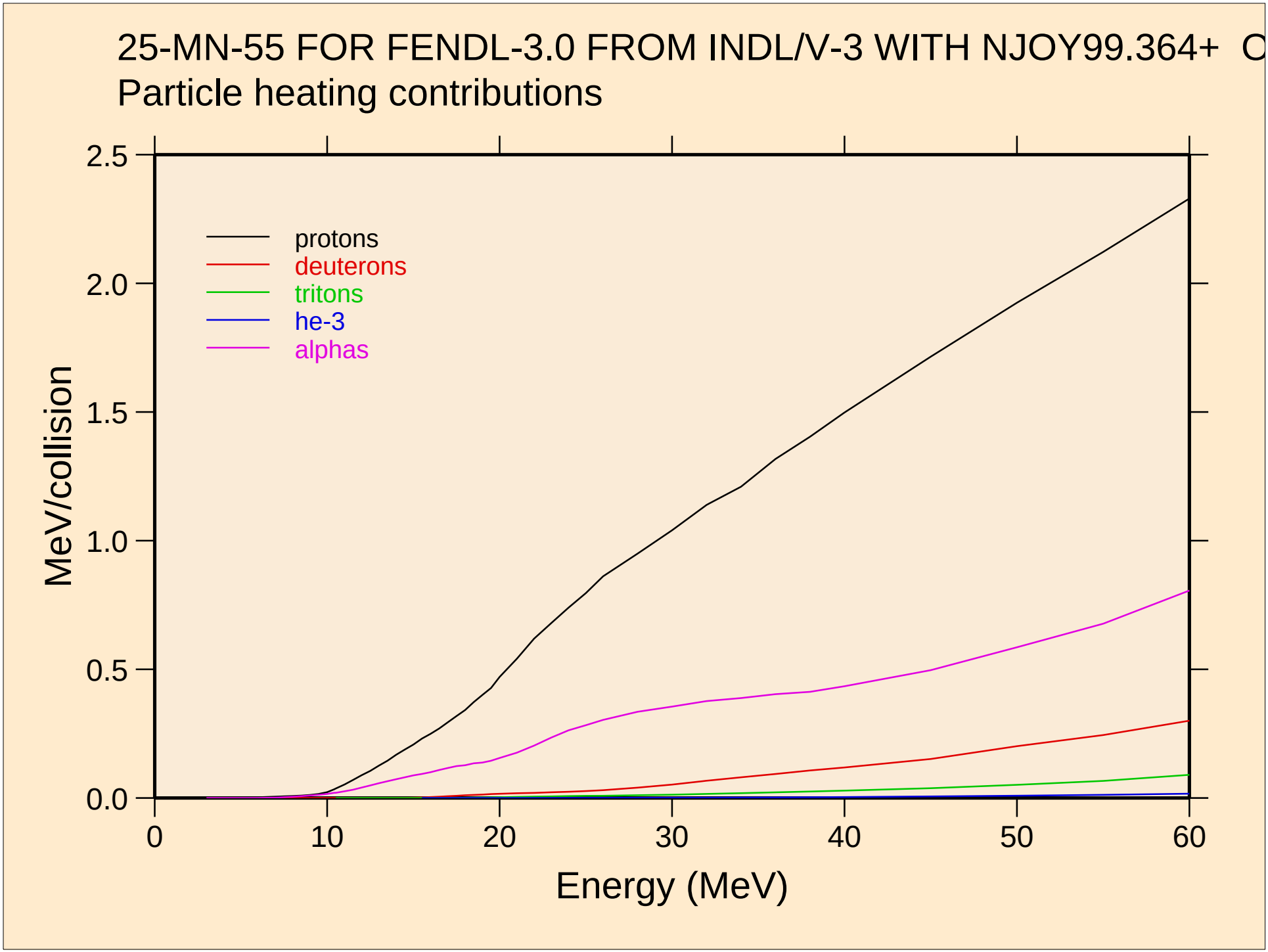

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,n*c)
Prob/MeV
10-1
10-3
0
Eγ (MeV)
20
40
0
10
20
30
40
50
60
En (MeV)

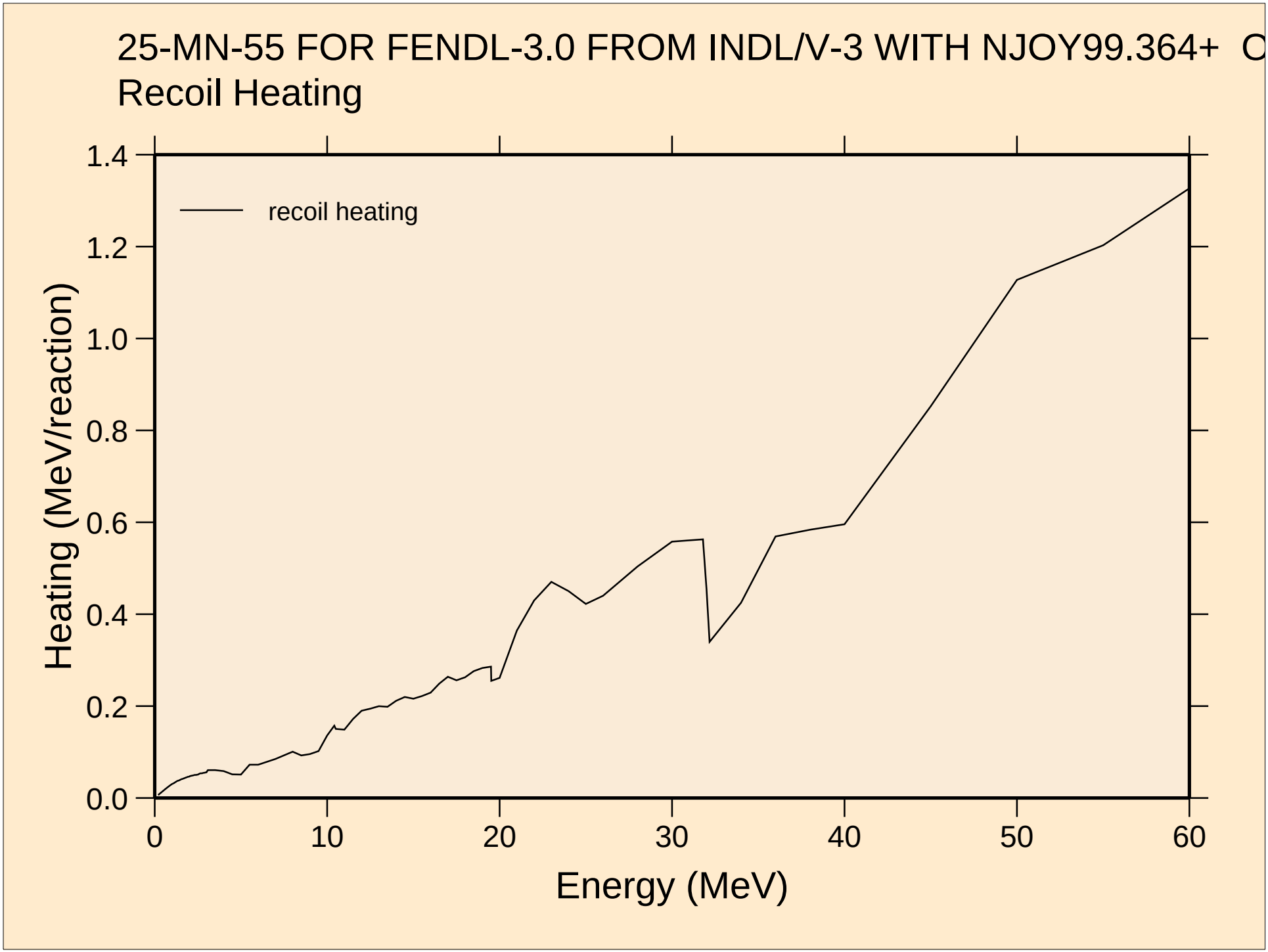

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,gma)
Prob/MeV
10-1
10-3
0
Eγ (MeV)
0
50
100
En (MeV)
0
10
20
30
40
50
60

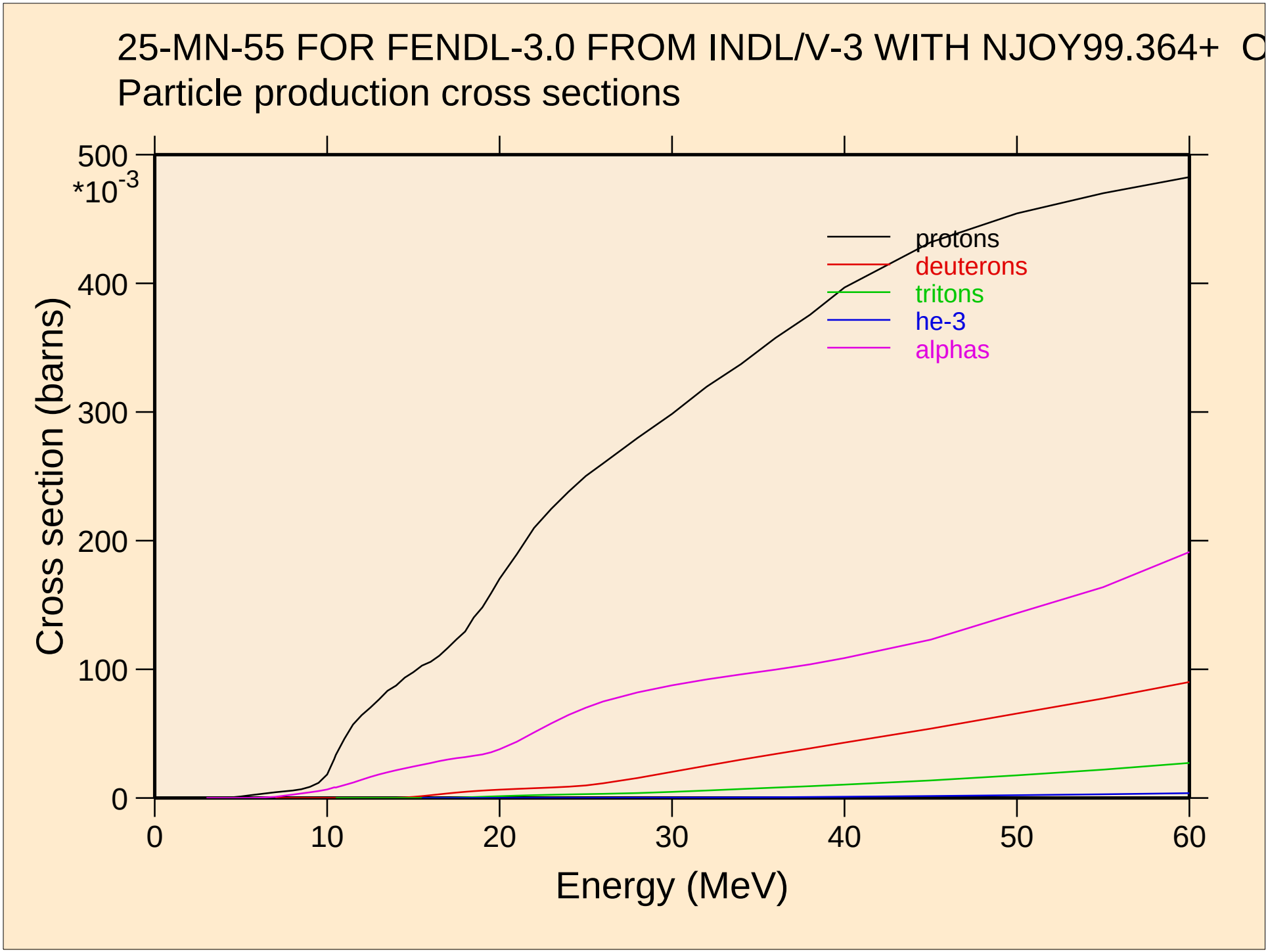

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Photon emission for (n,p*c)
Prob/MeV
10^{0}
10^{-2}
0
10
20
E_γ (MeV)
0
10
20
30
40
50
60
E_n (MeV)

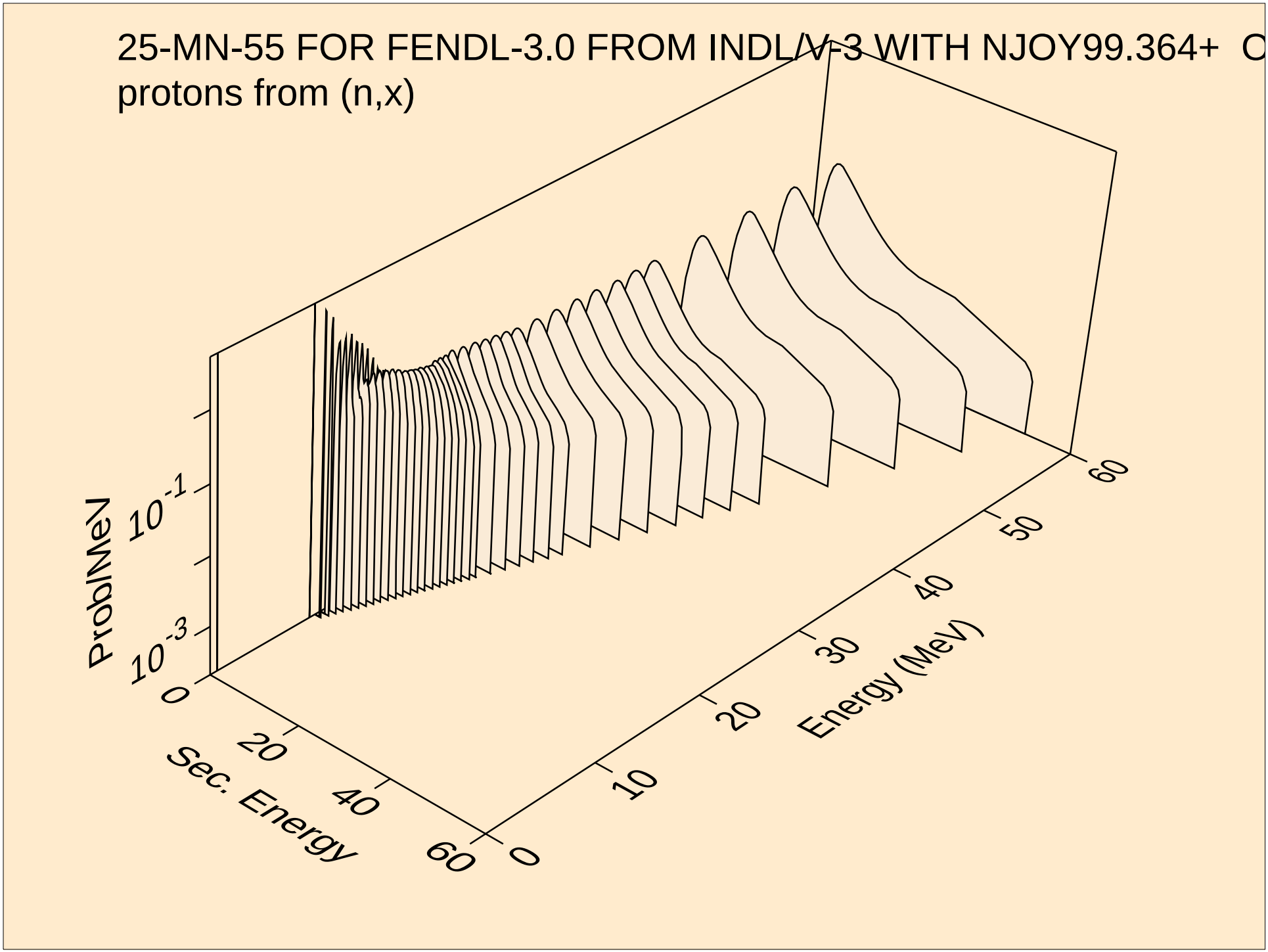

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
thermal capture photon spectrum
Gamma Prod (barns/MeV)
10^2
10^1
10^0
10^-1
0
2
4
6
8
Gamma Energy (MeV)

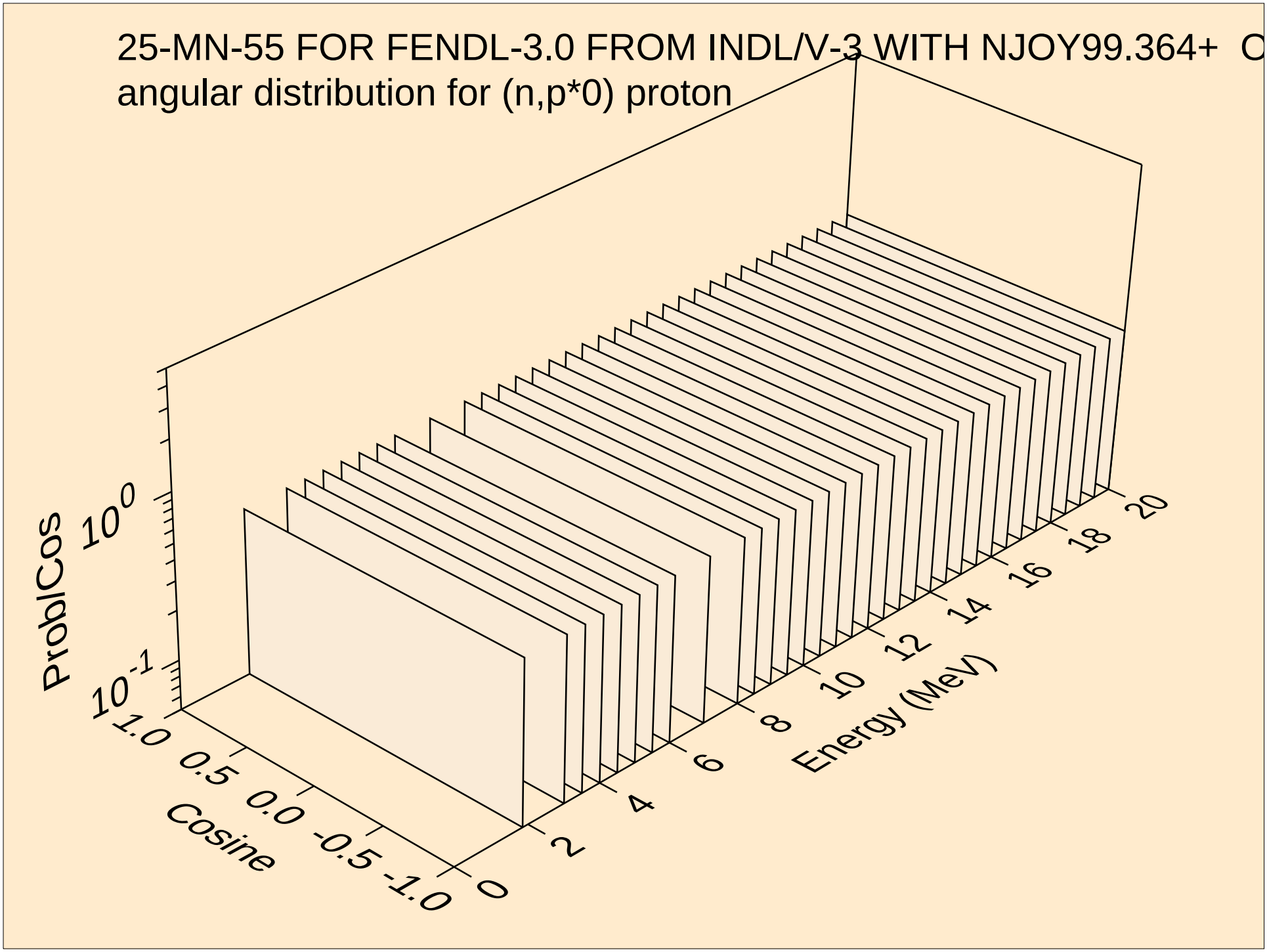

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-7
0
10
20
30
Gamma Energy (MeV)

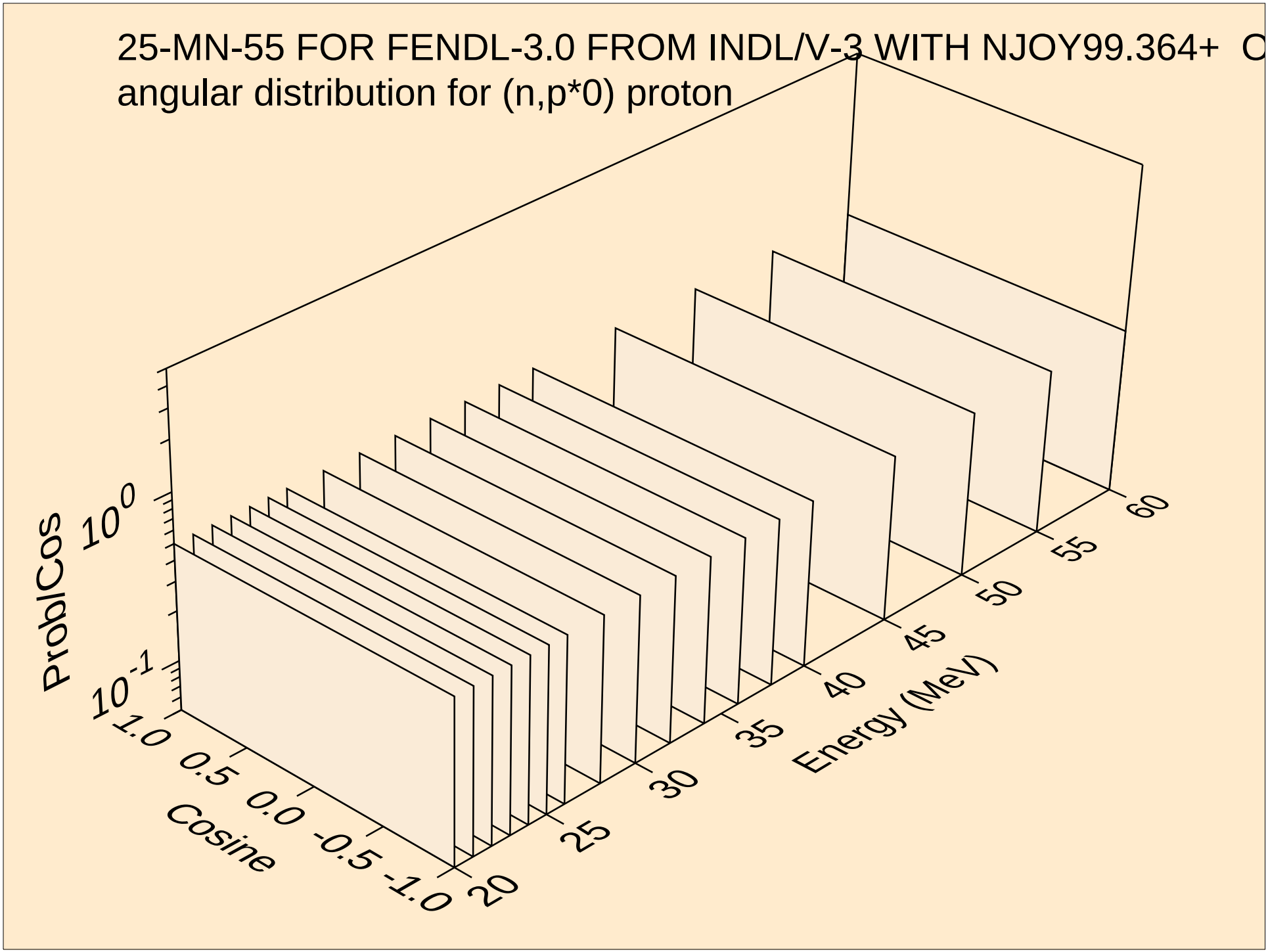

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Particle heating contributions
protons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
0
10
20
30
40
50
60

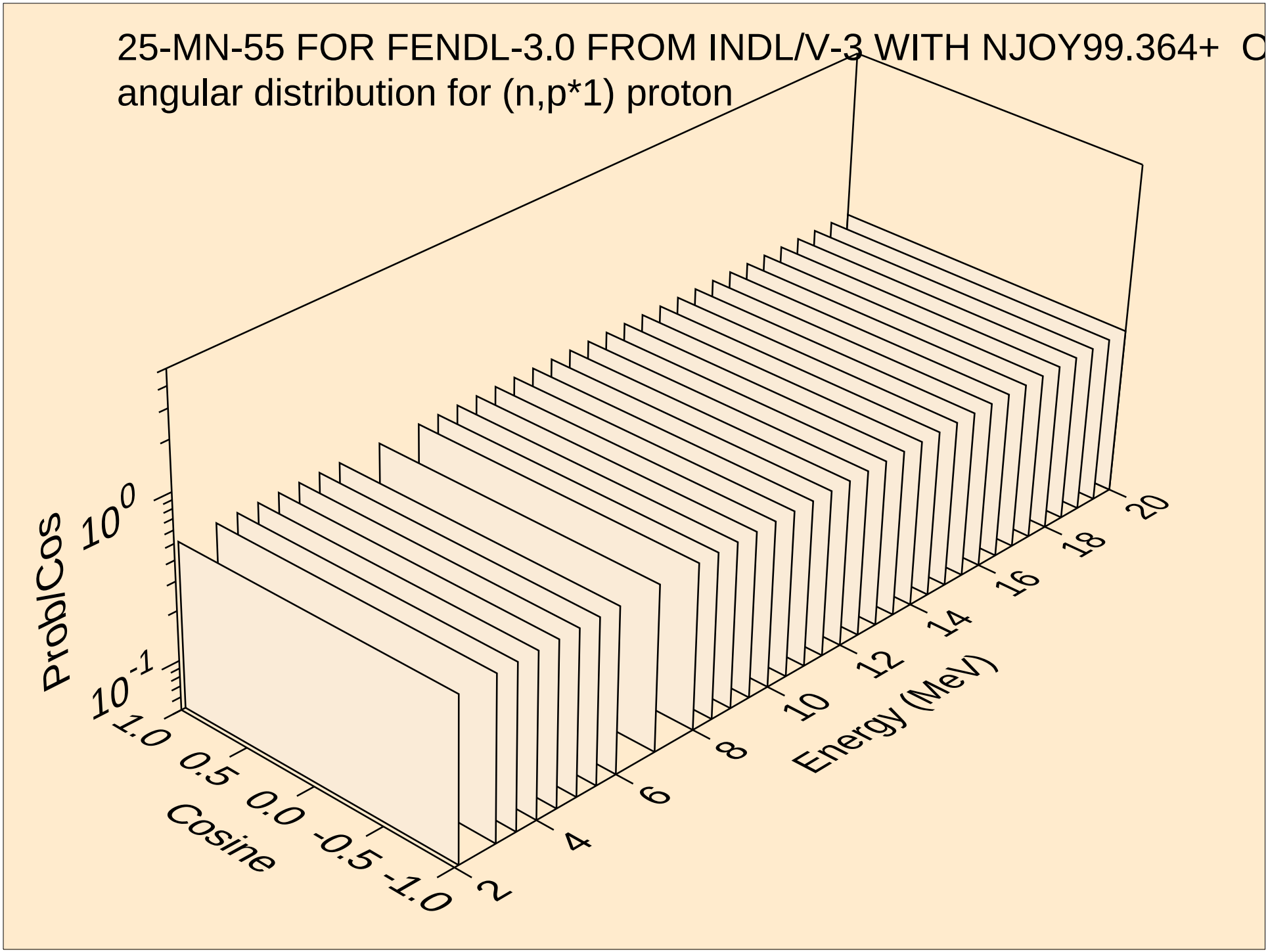

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
10
20
30
40
50
60

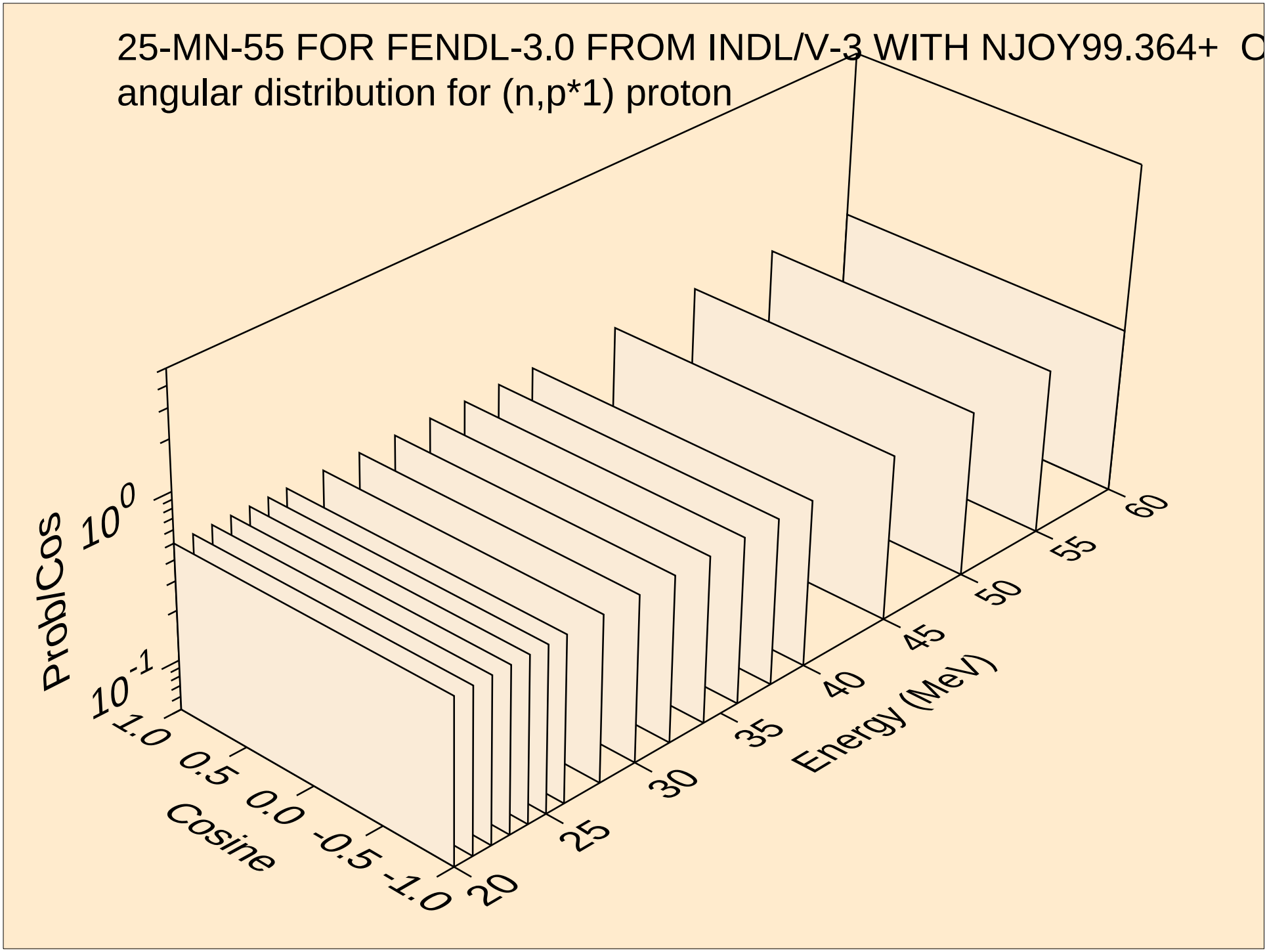

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
Particle production cross sections
Cross section (barns)
*10-3
500
400
300
200
100
0
0
10
20
30
40
50
60
Energy (MeV)
protons
deuterons
tritons
he-3
alphas

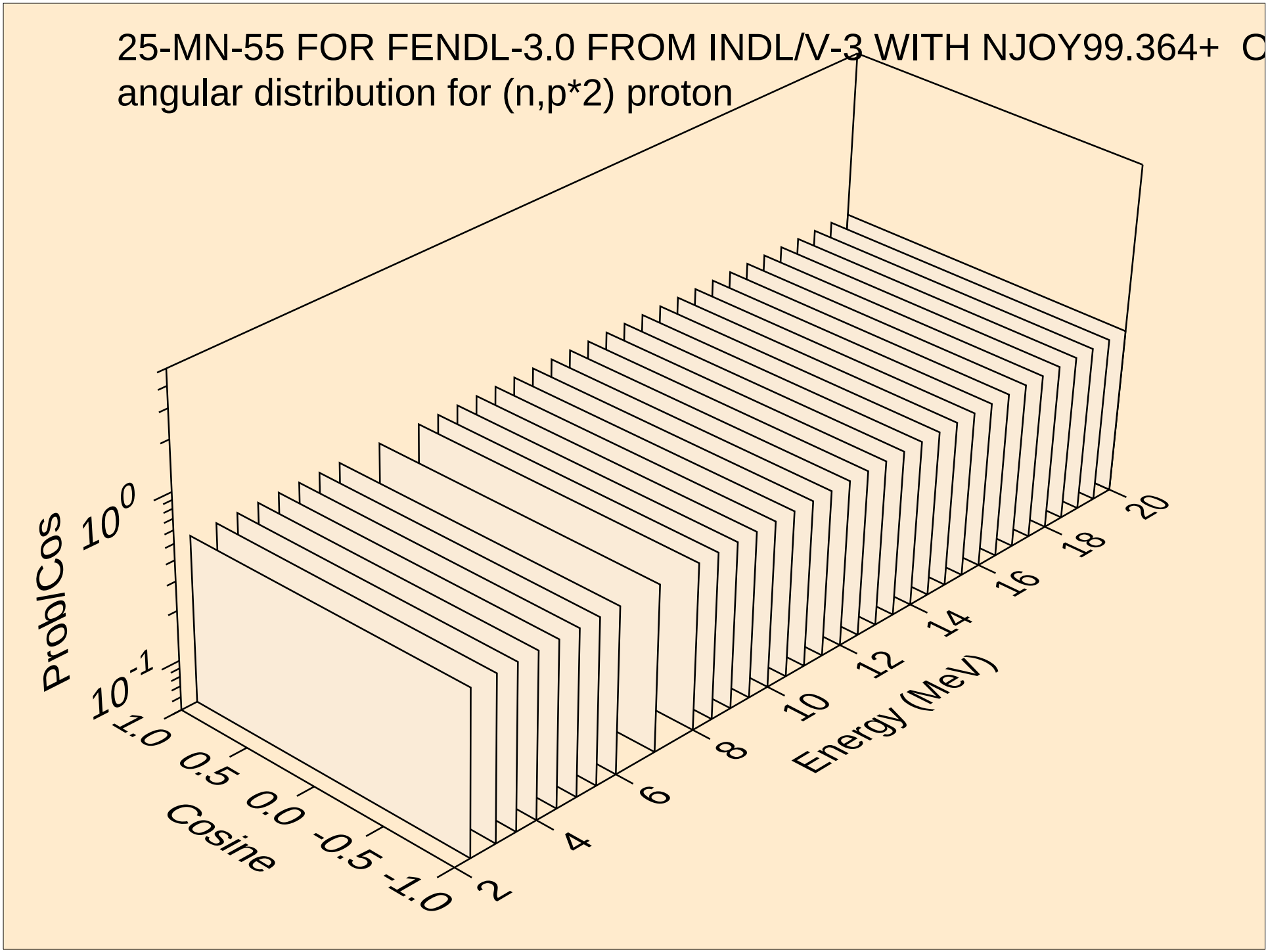

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
protons from (n,x)
Prob/MeV
10-1
10-3
0
20
40
60
Sec. Energy
0
10
20
30
40
50
60
Energy (MeV)

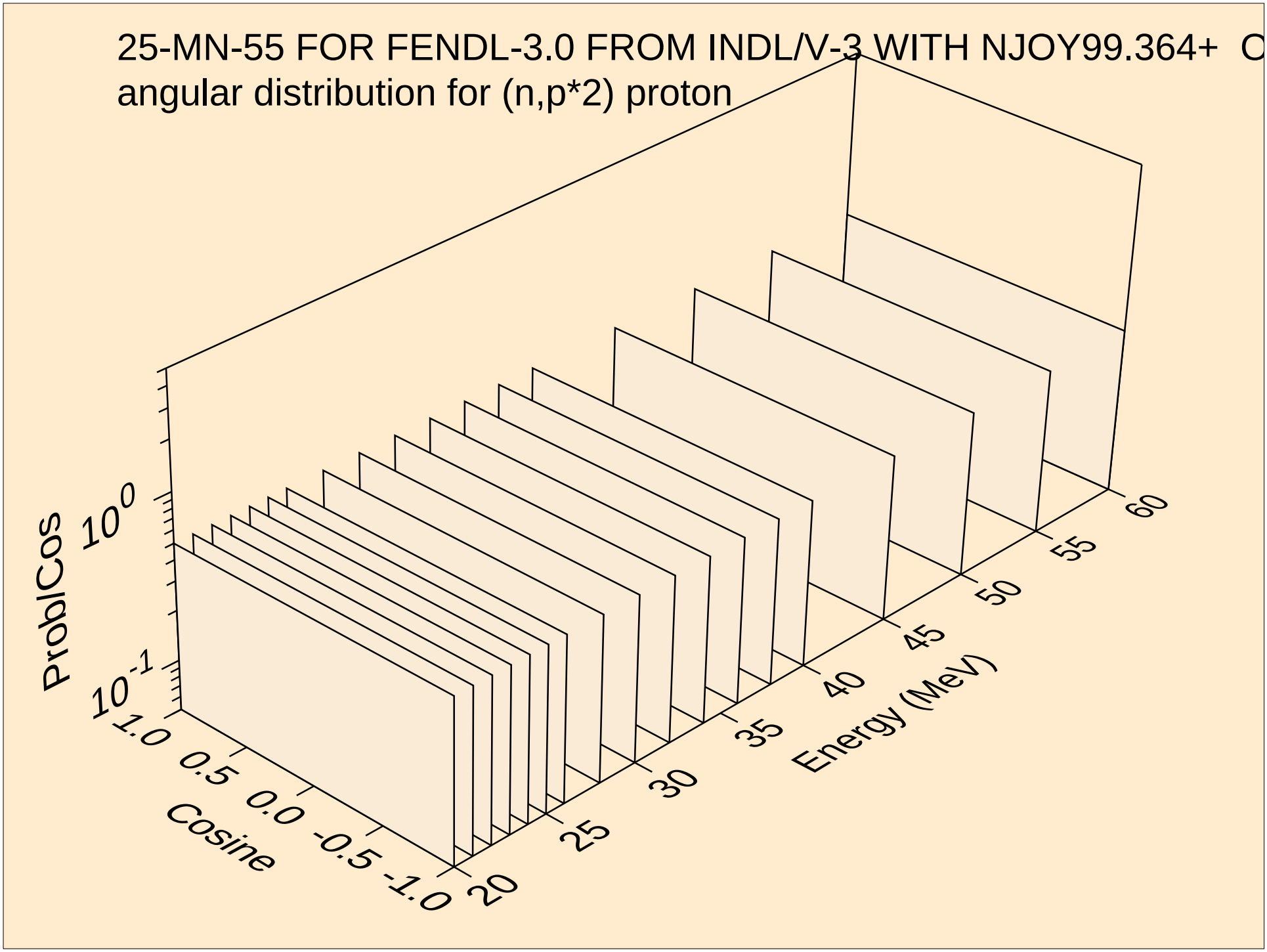

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*0) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

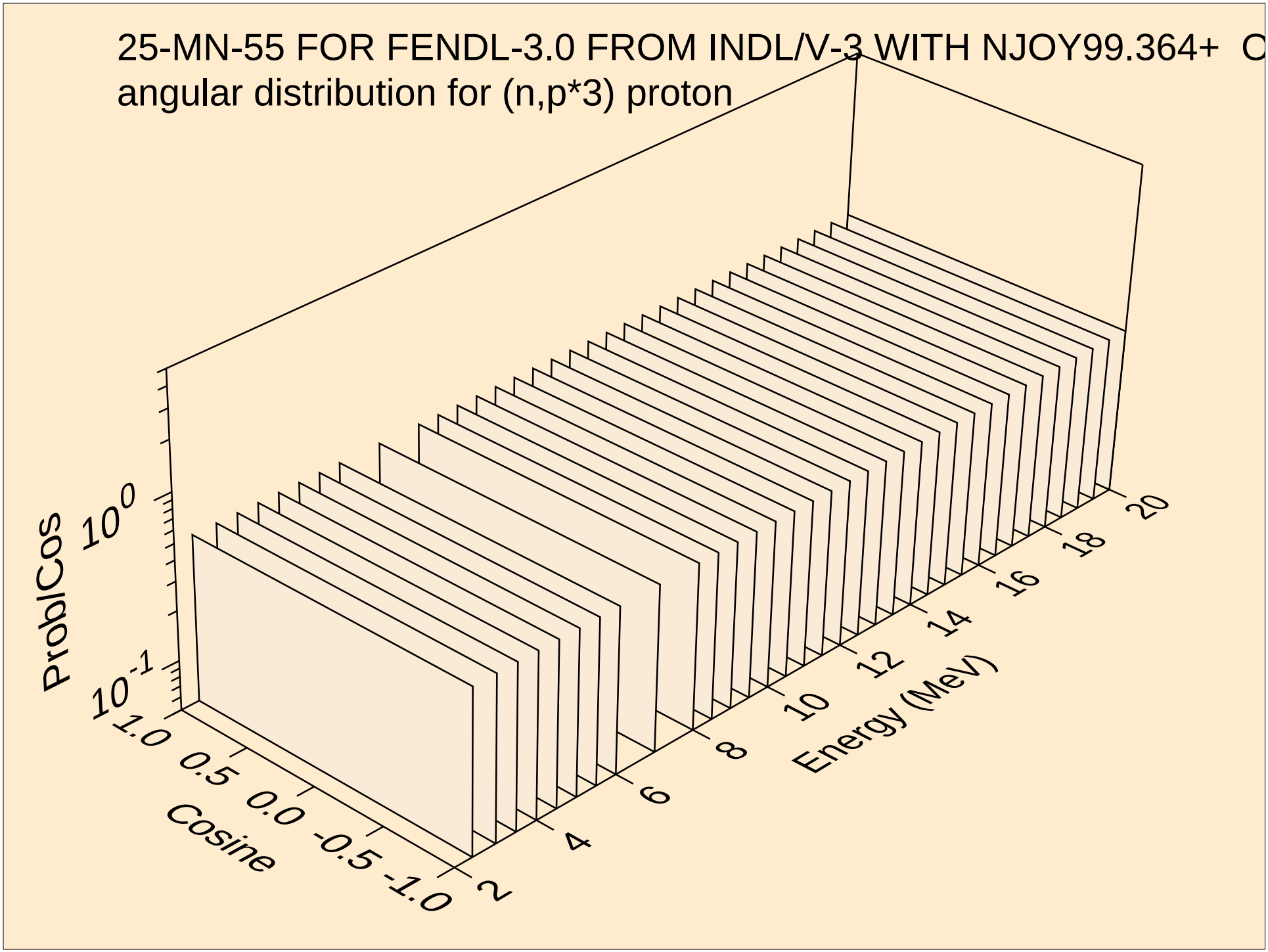

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*0) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

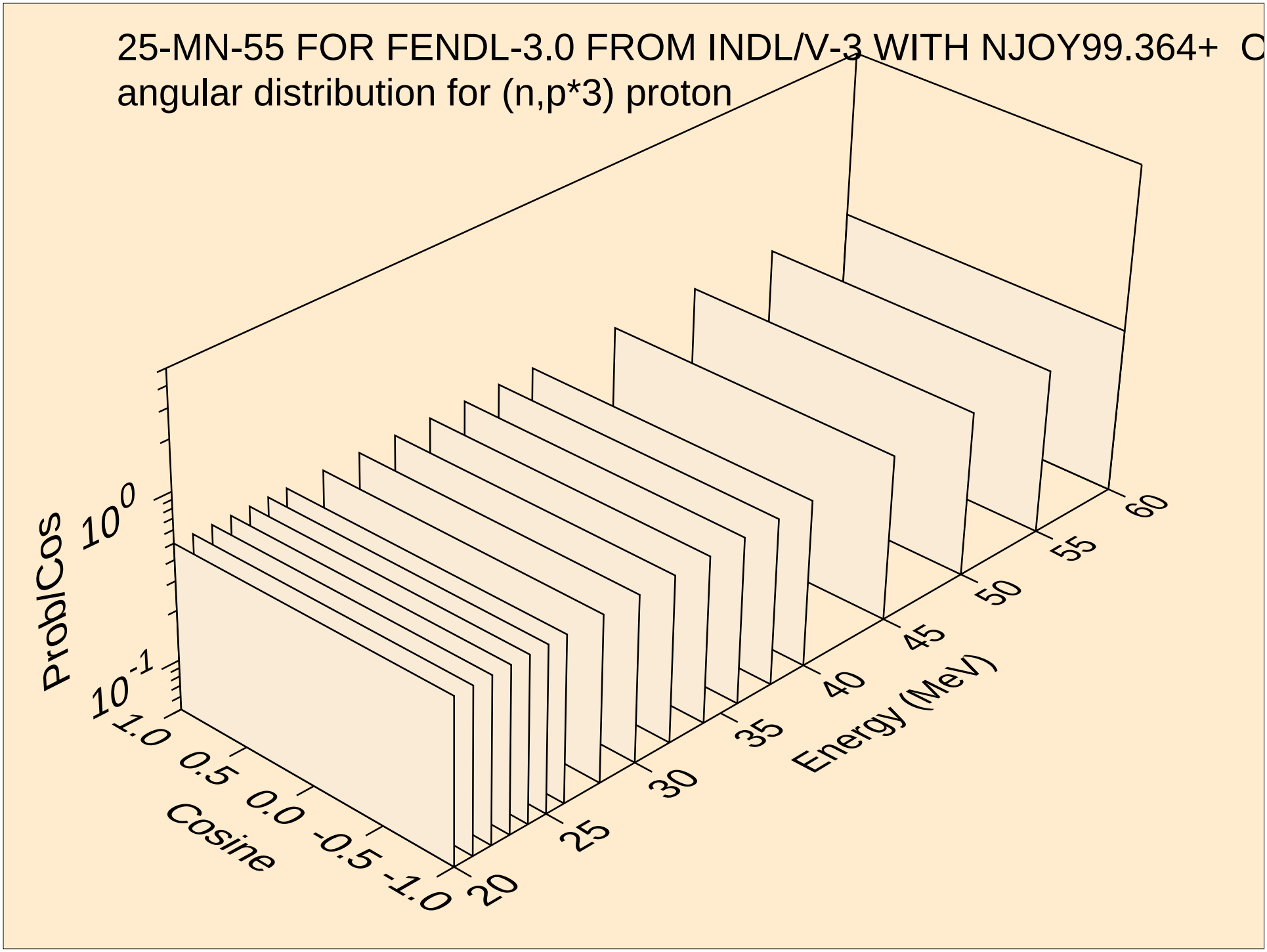

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*1) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

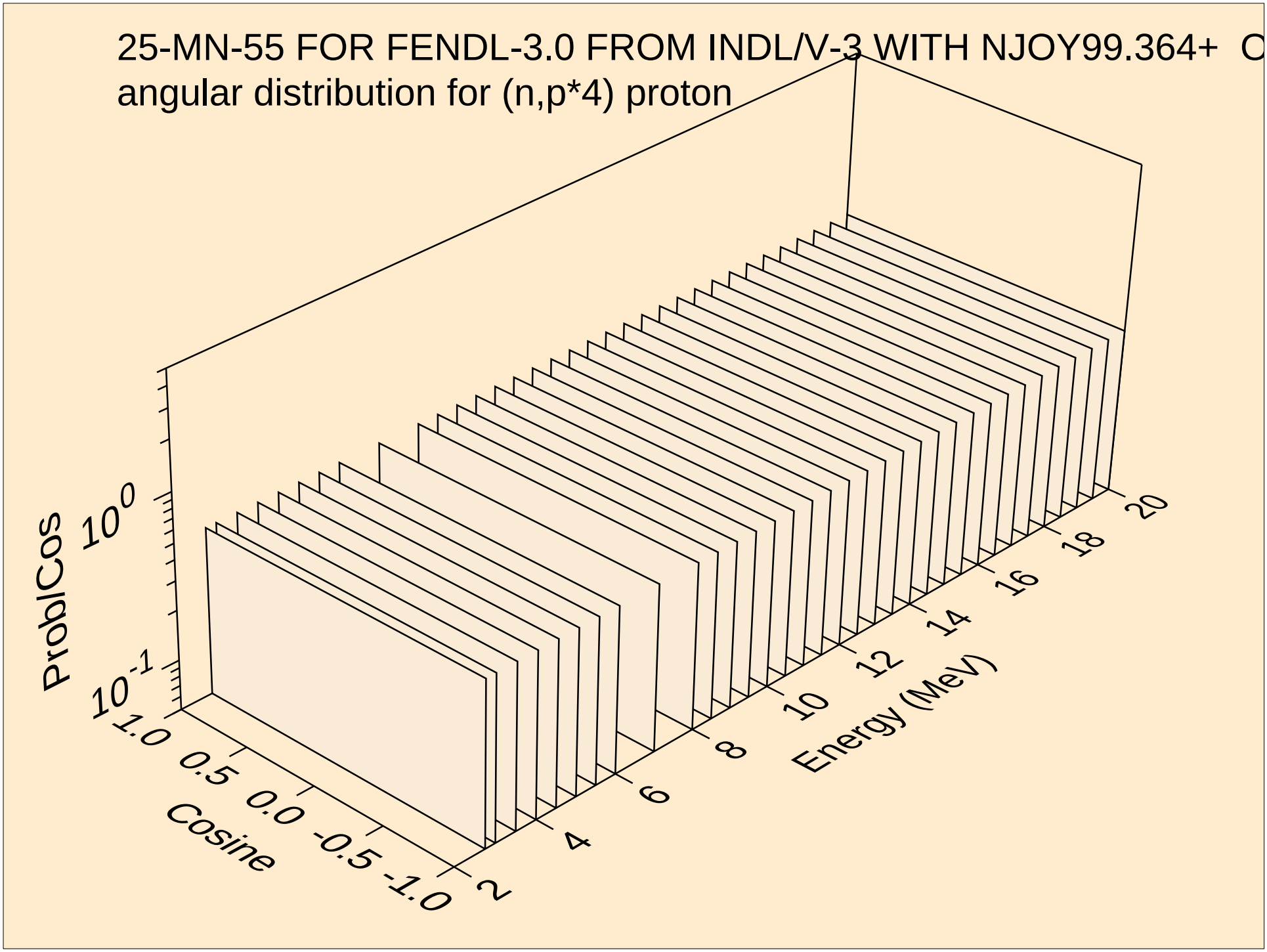

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*1) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

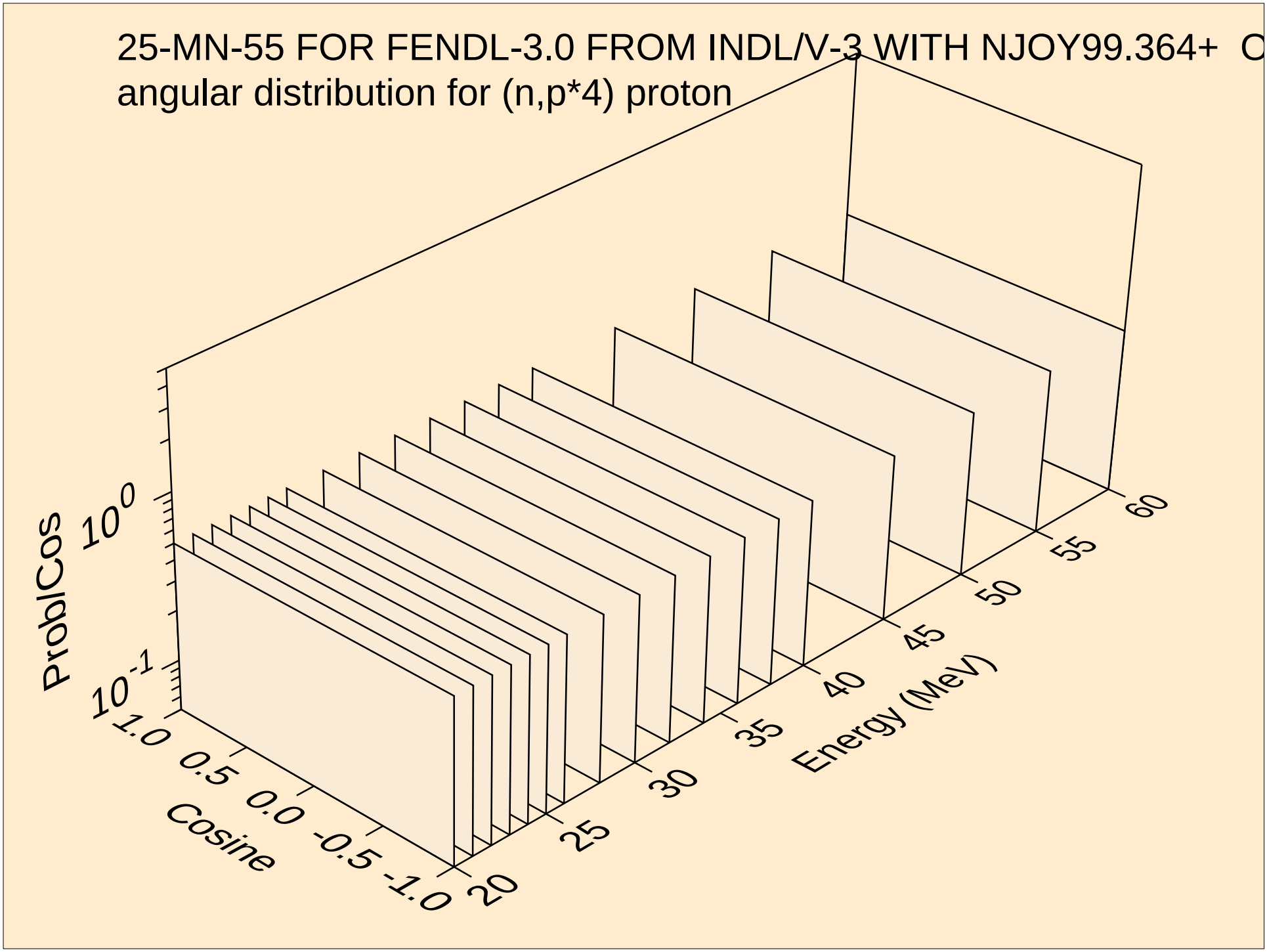

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*2) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

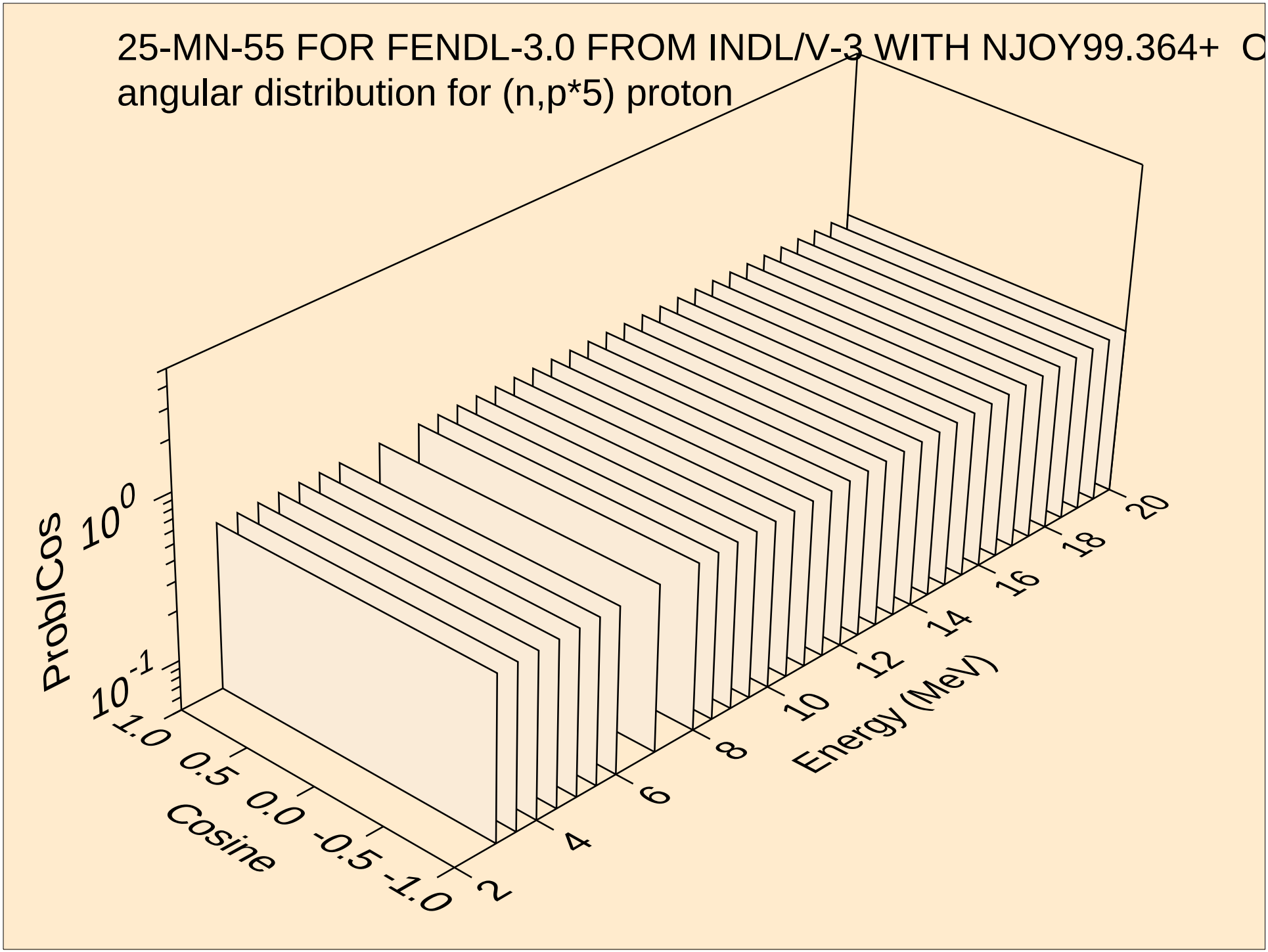

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*2) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

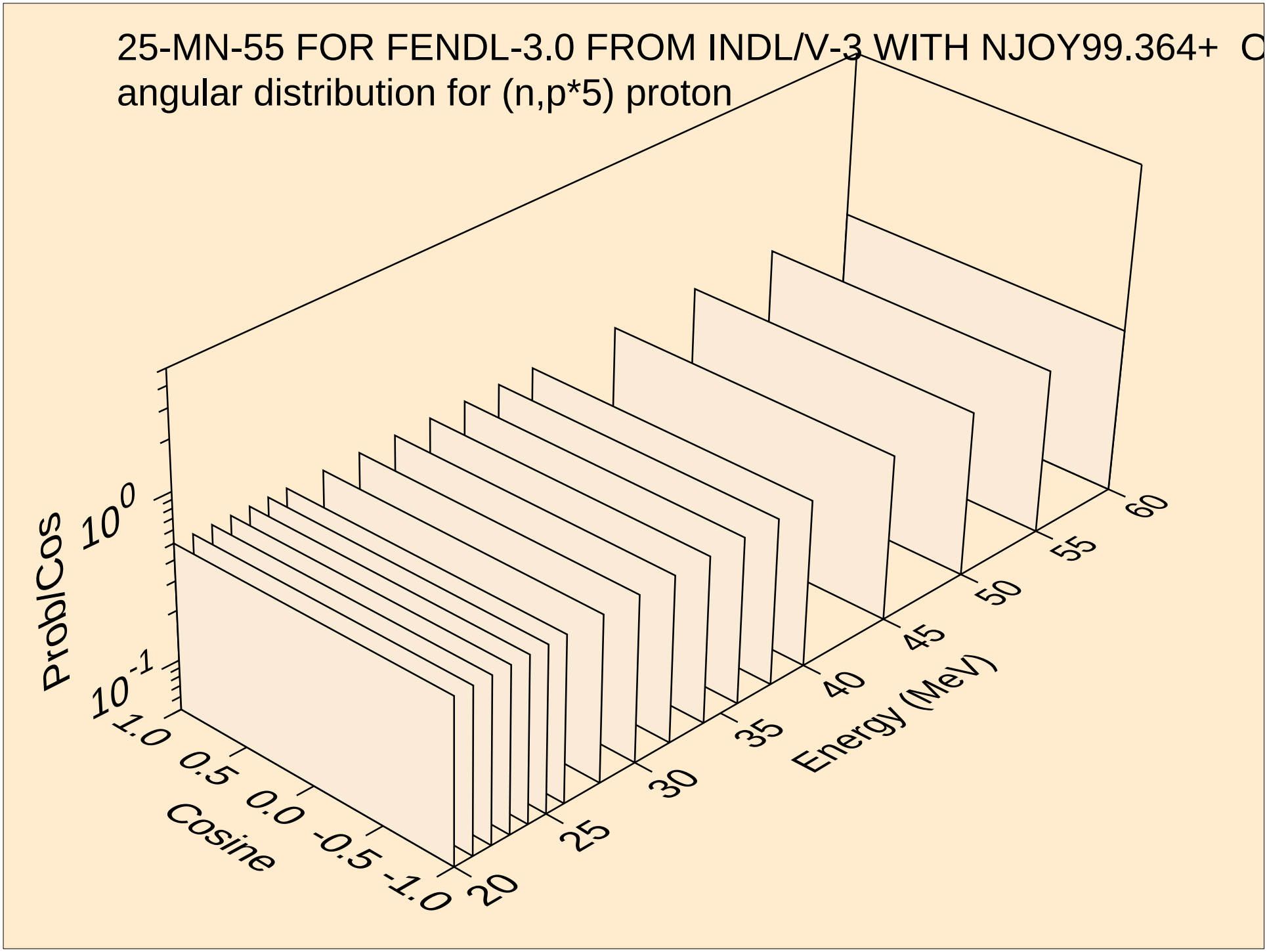

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*3) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

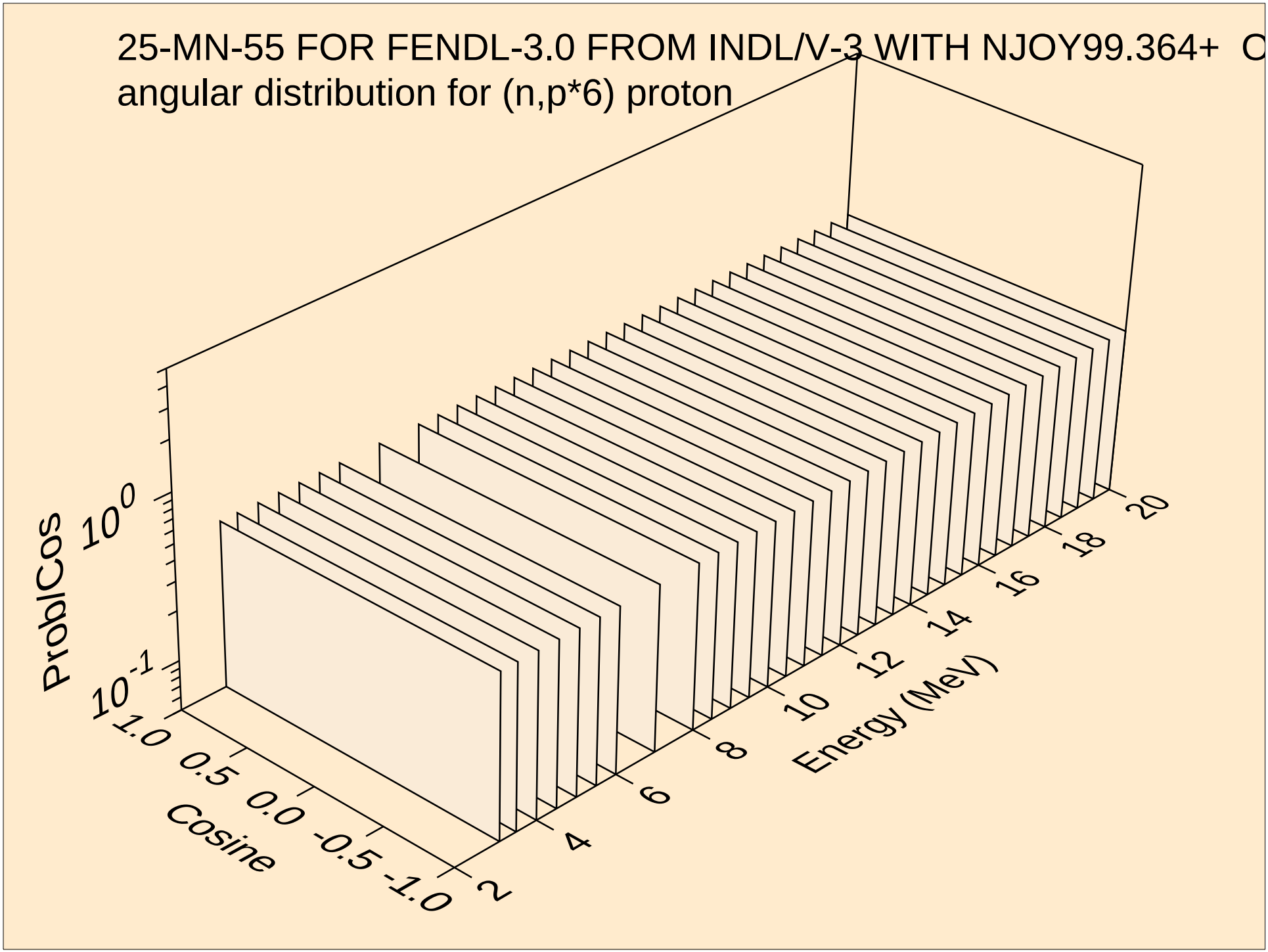

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*3) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

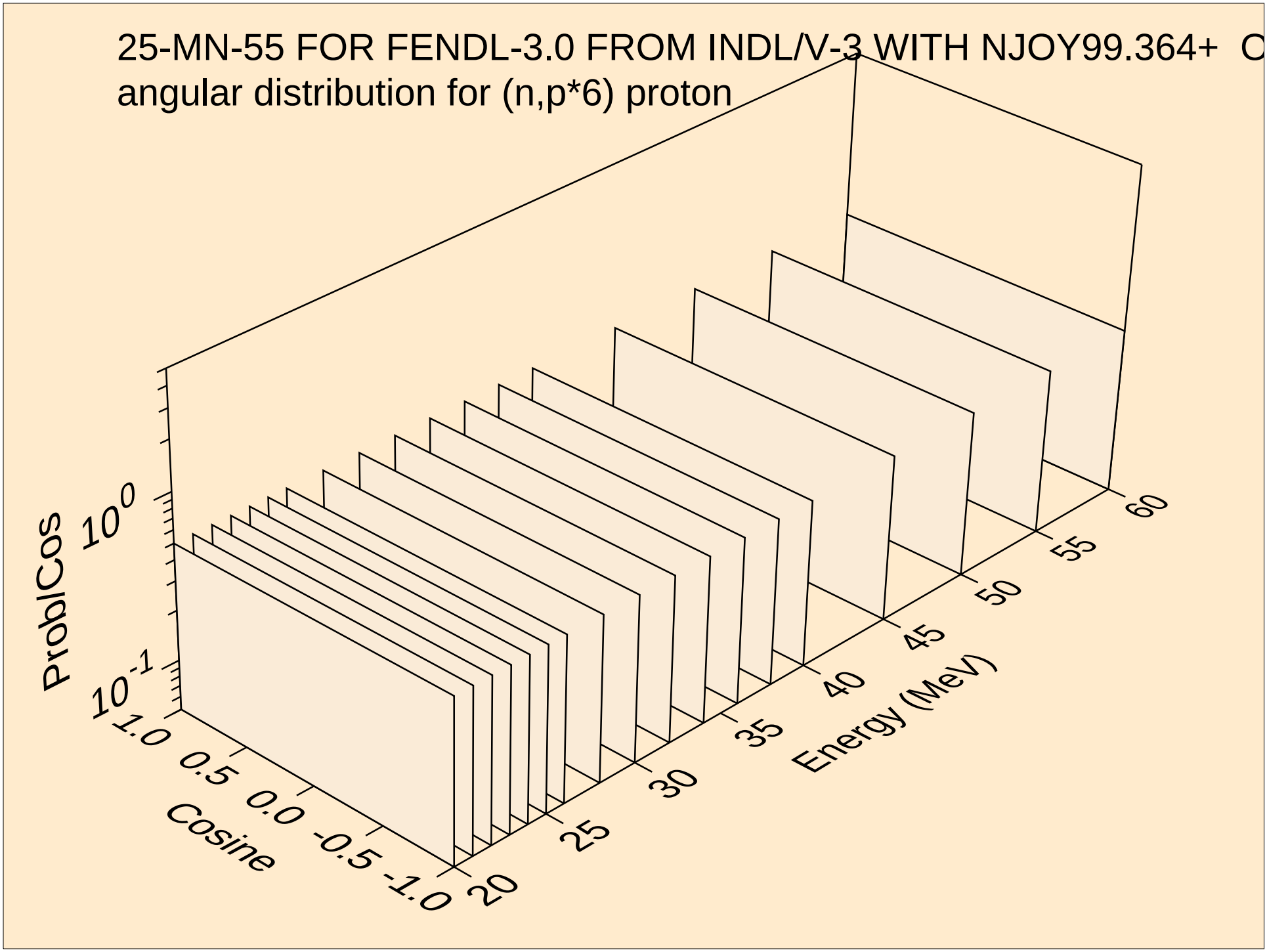

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*4) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

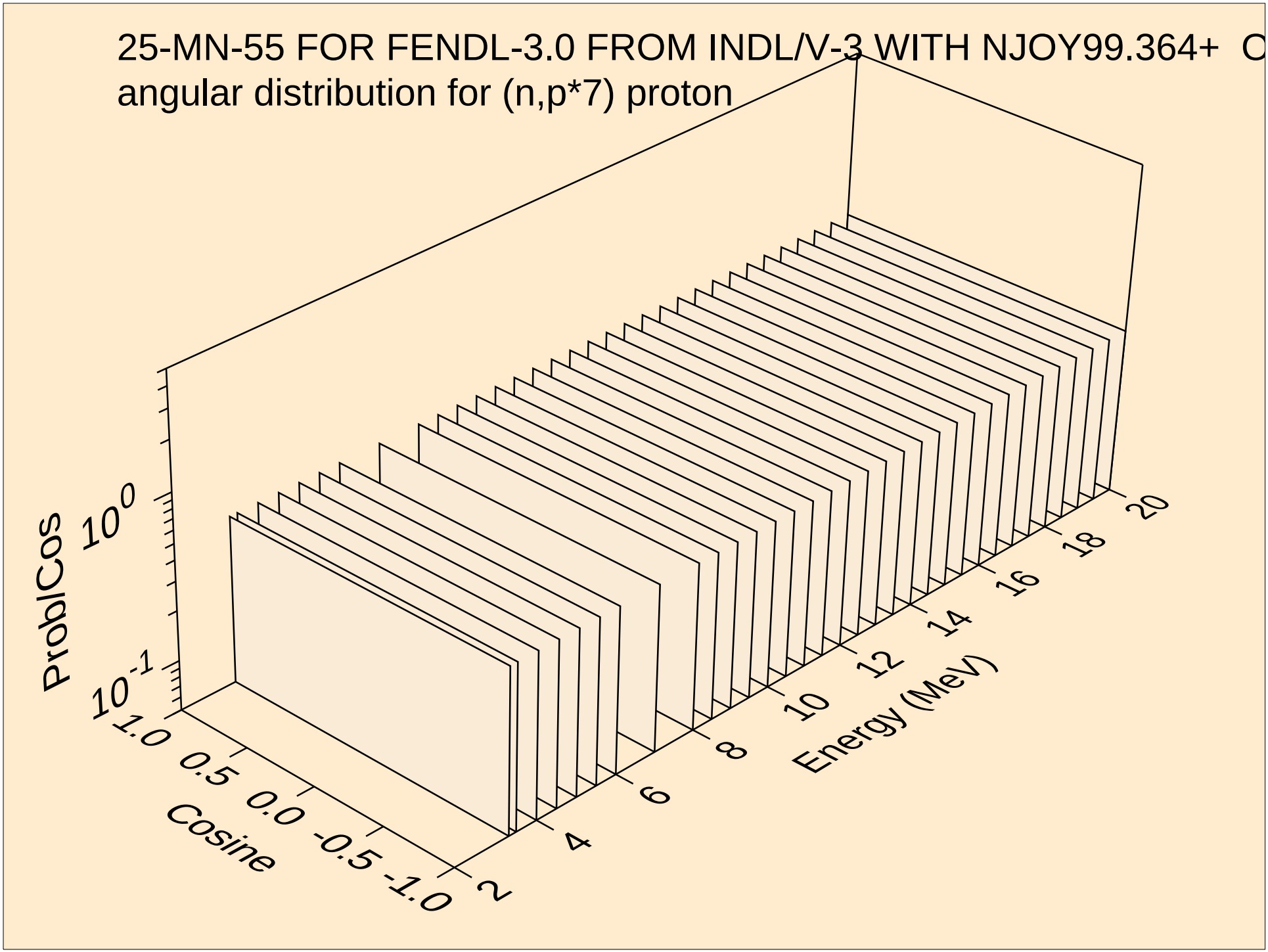

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*4) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

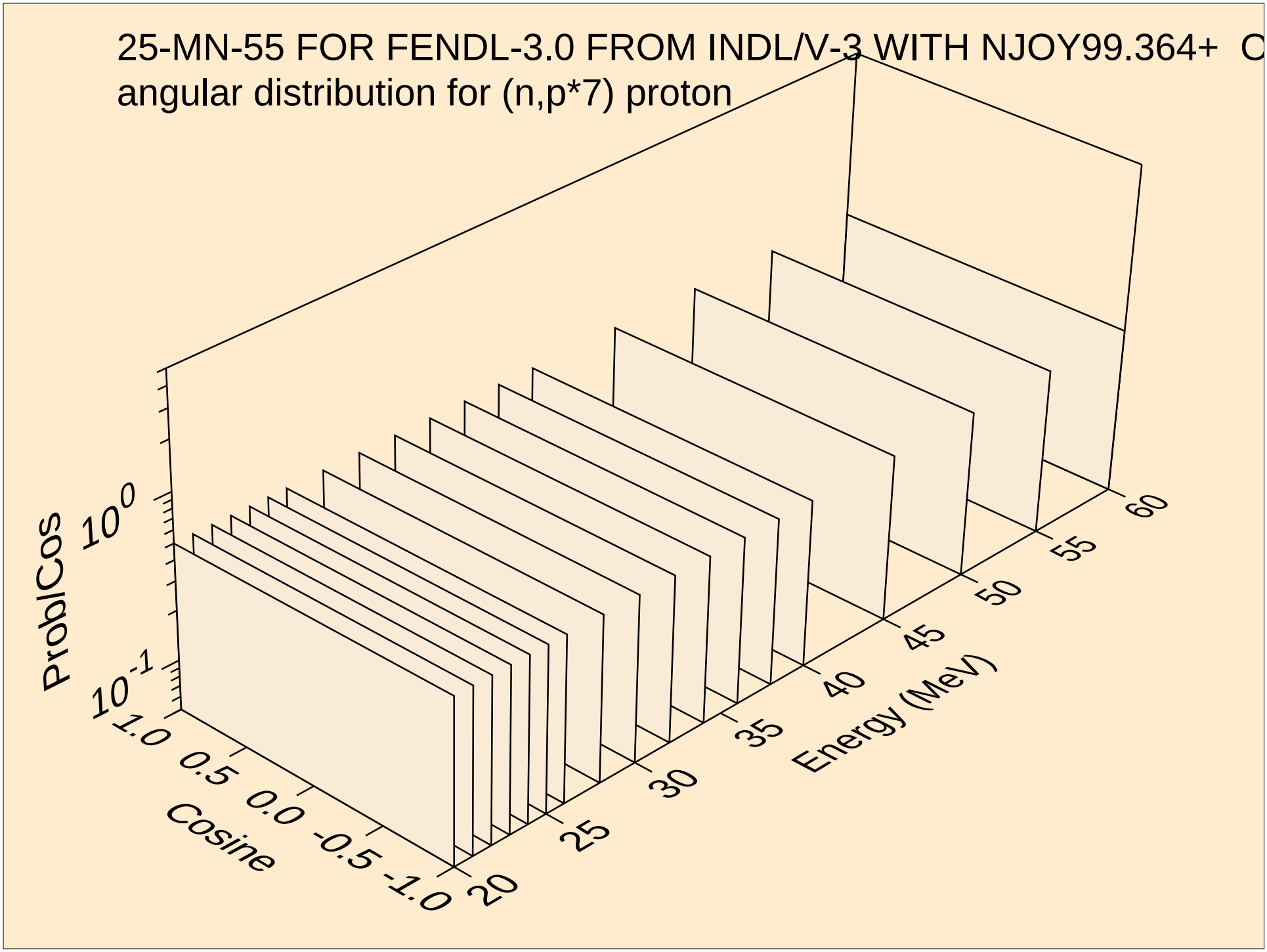

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*5) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

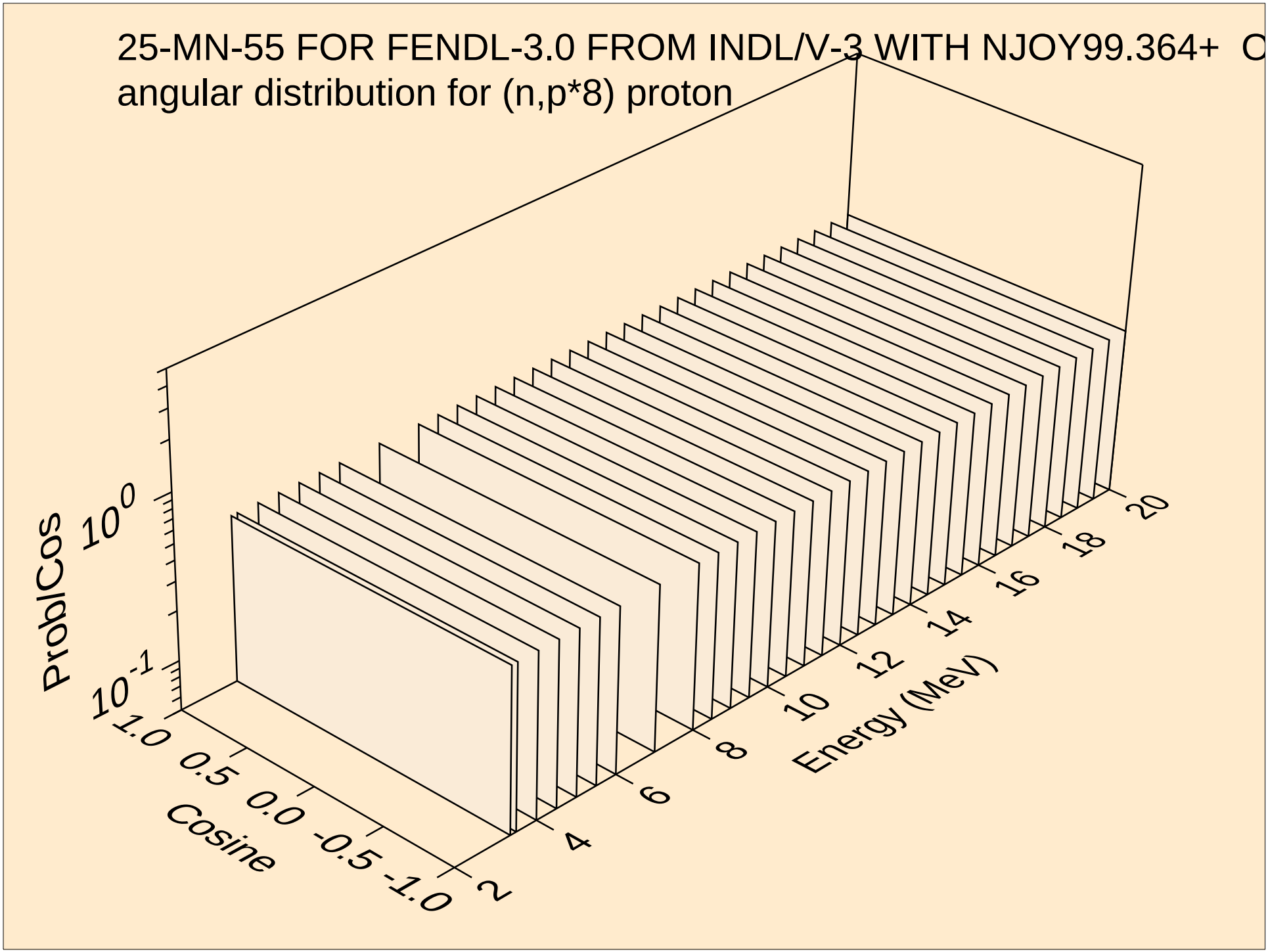

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*5) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

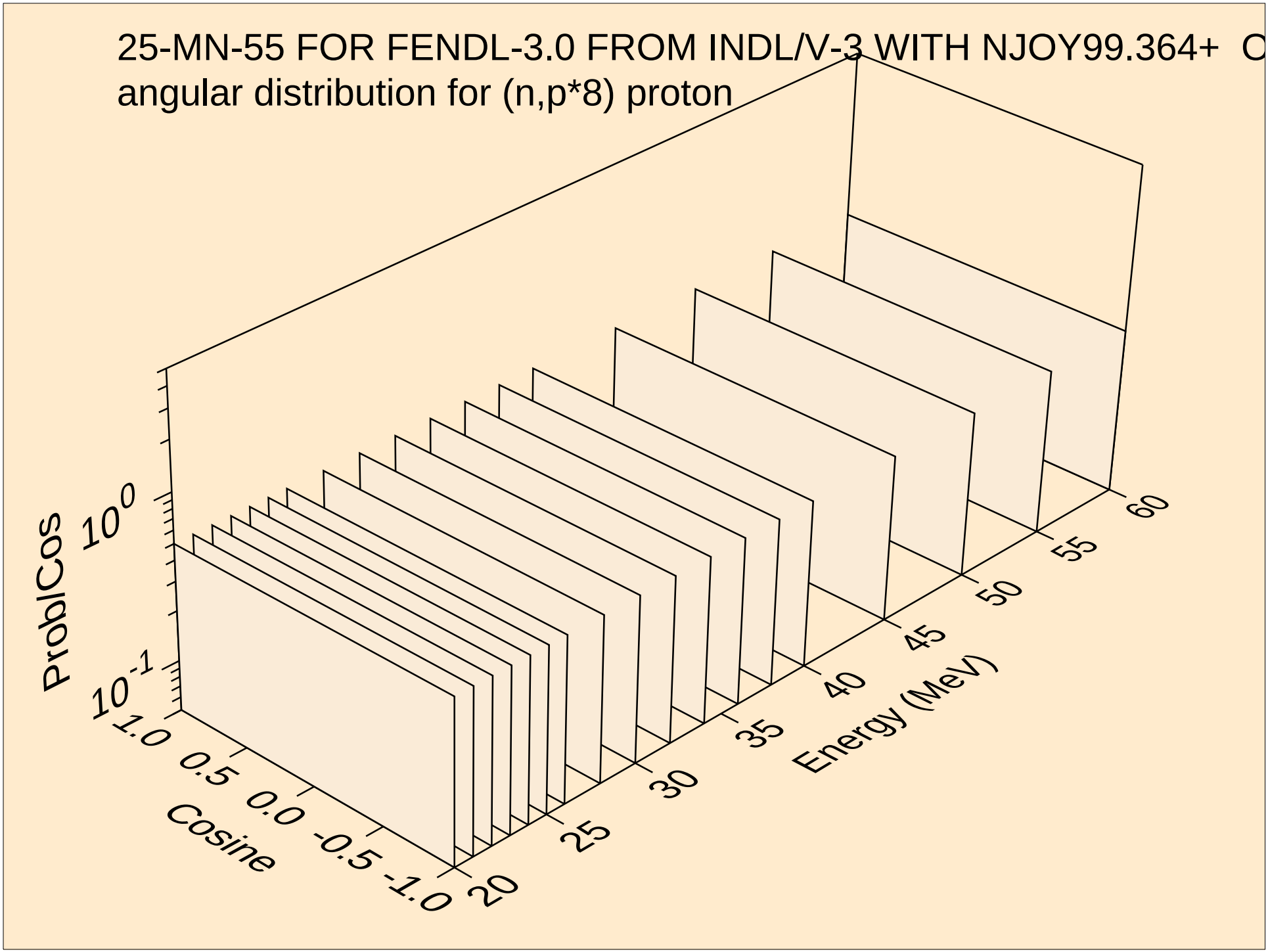

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*6) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

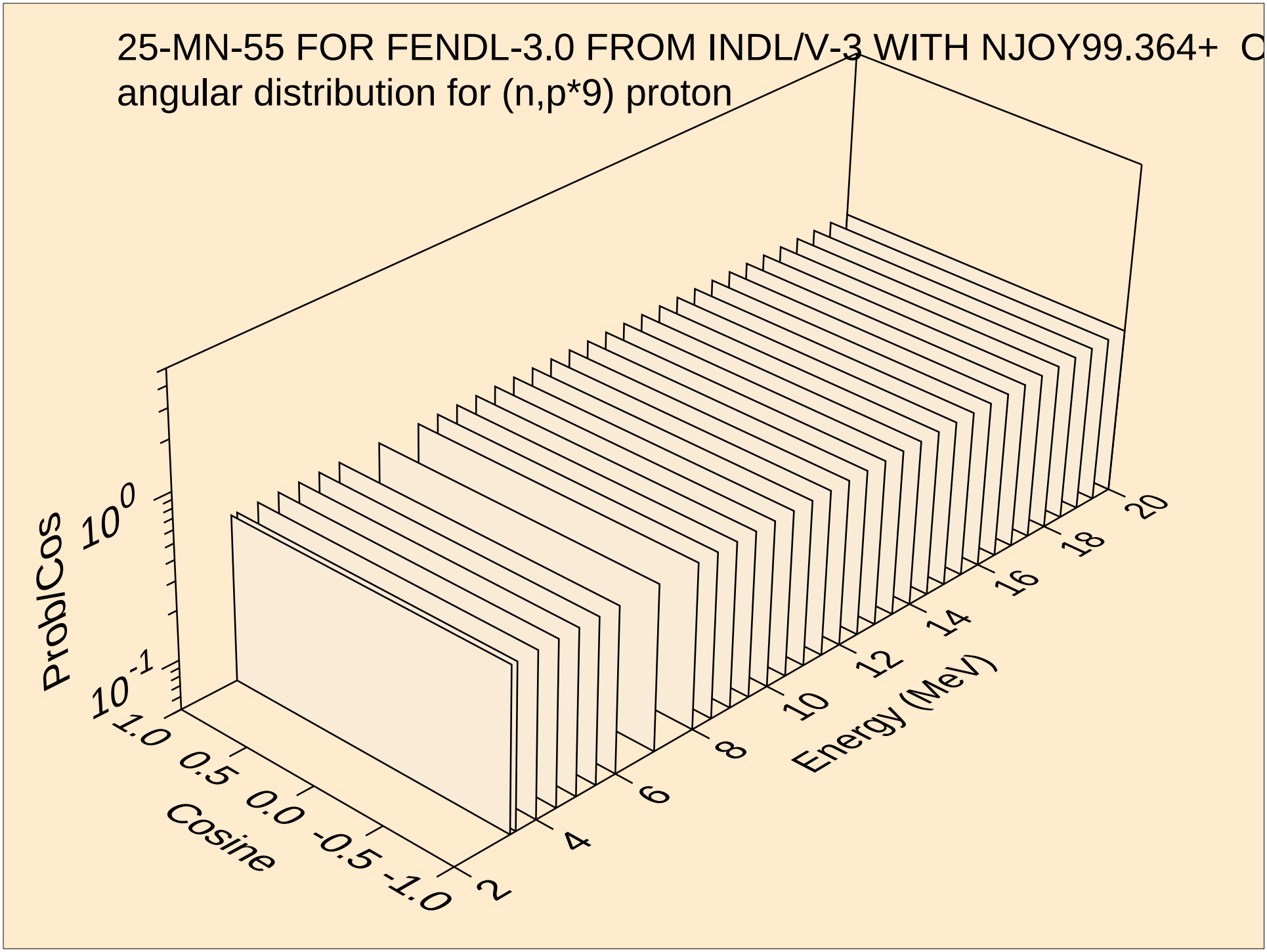

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*6) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

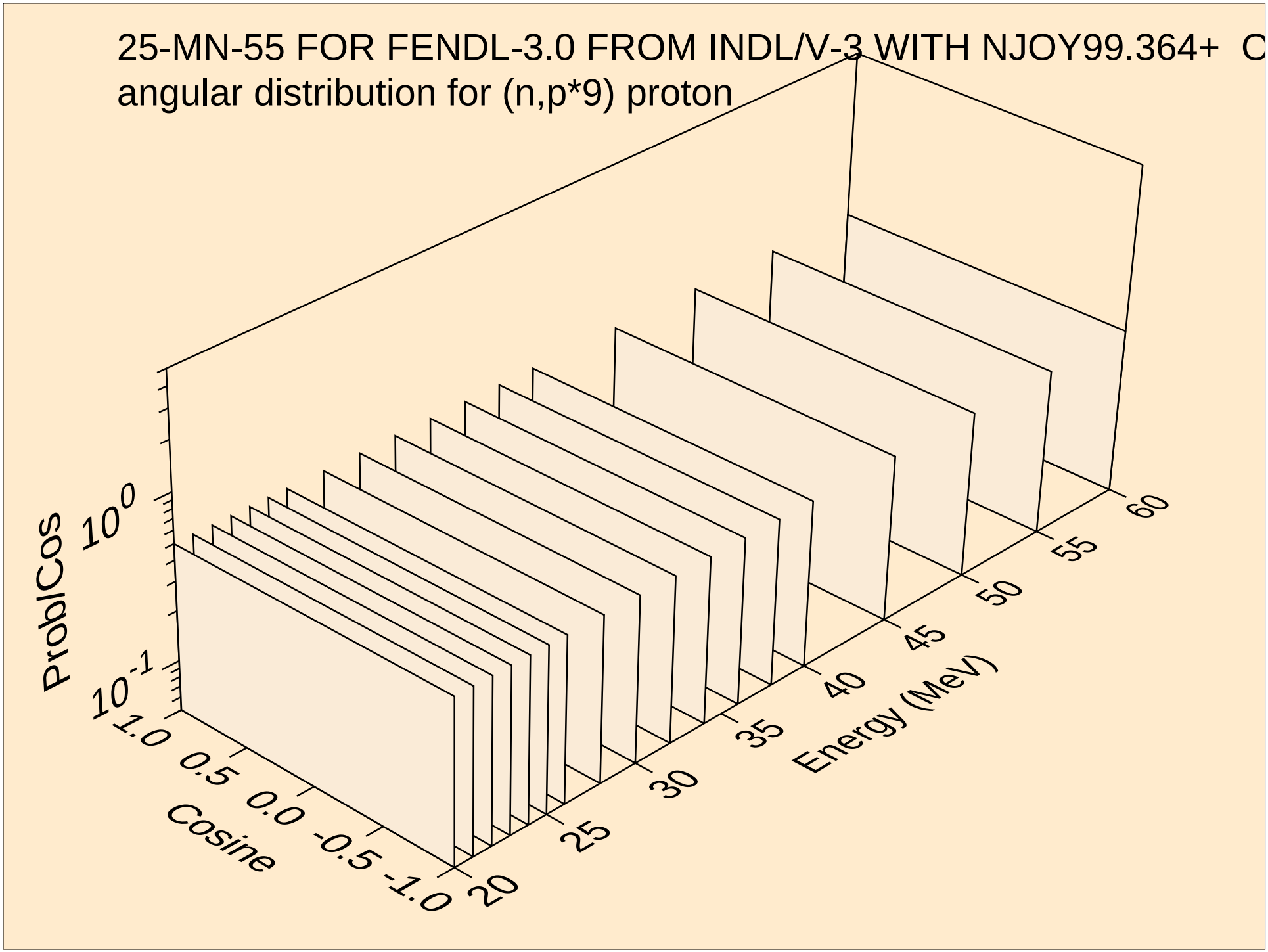

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*7) proton
Prob\Cos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

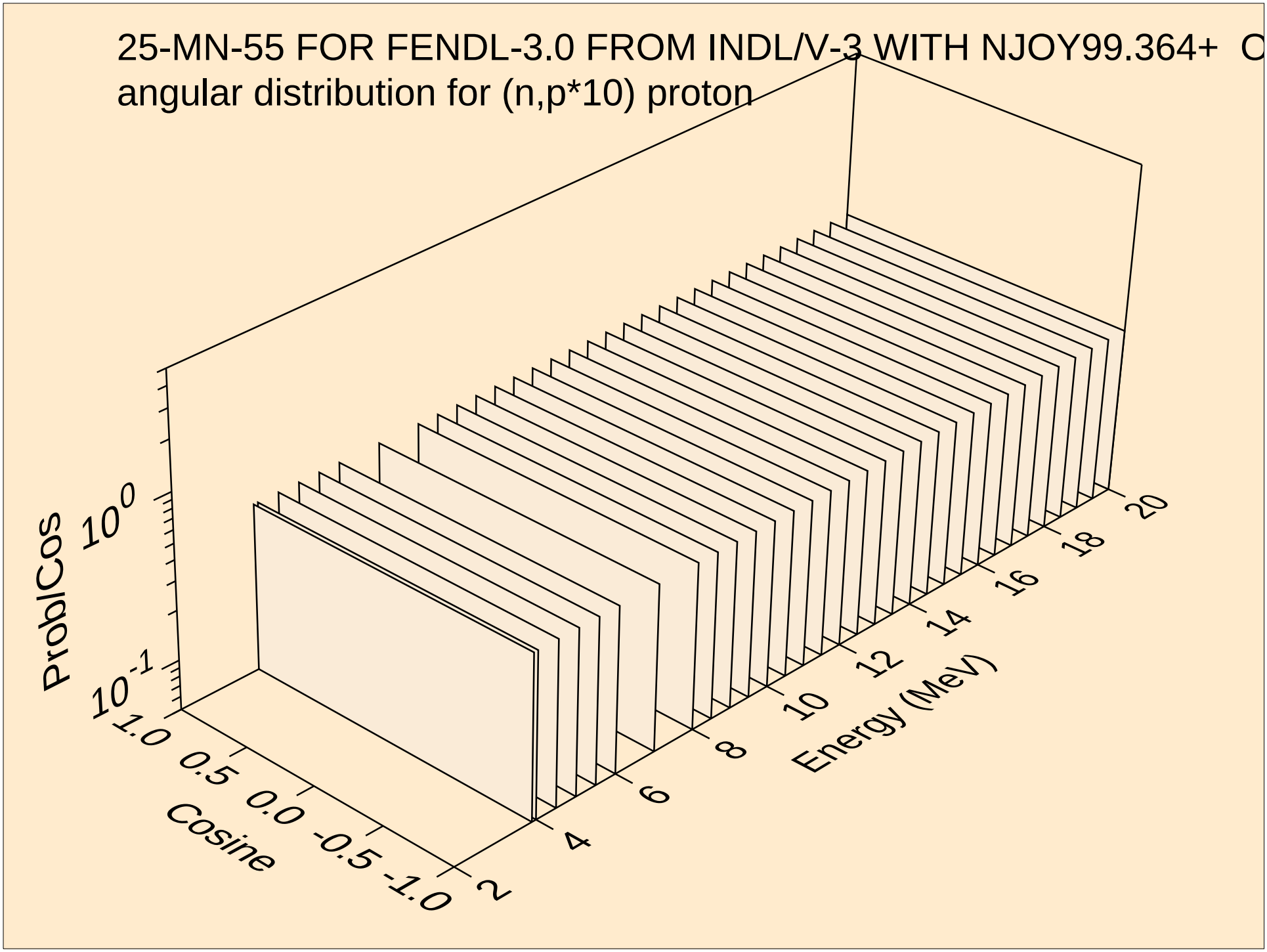

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*7) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

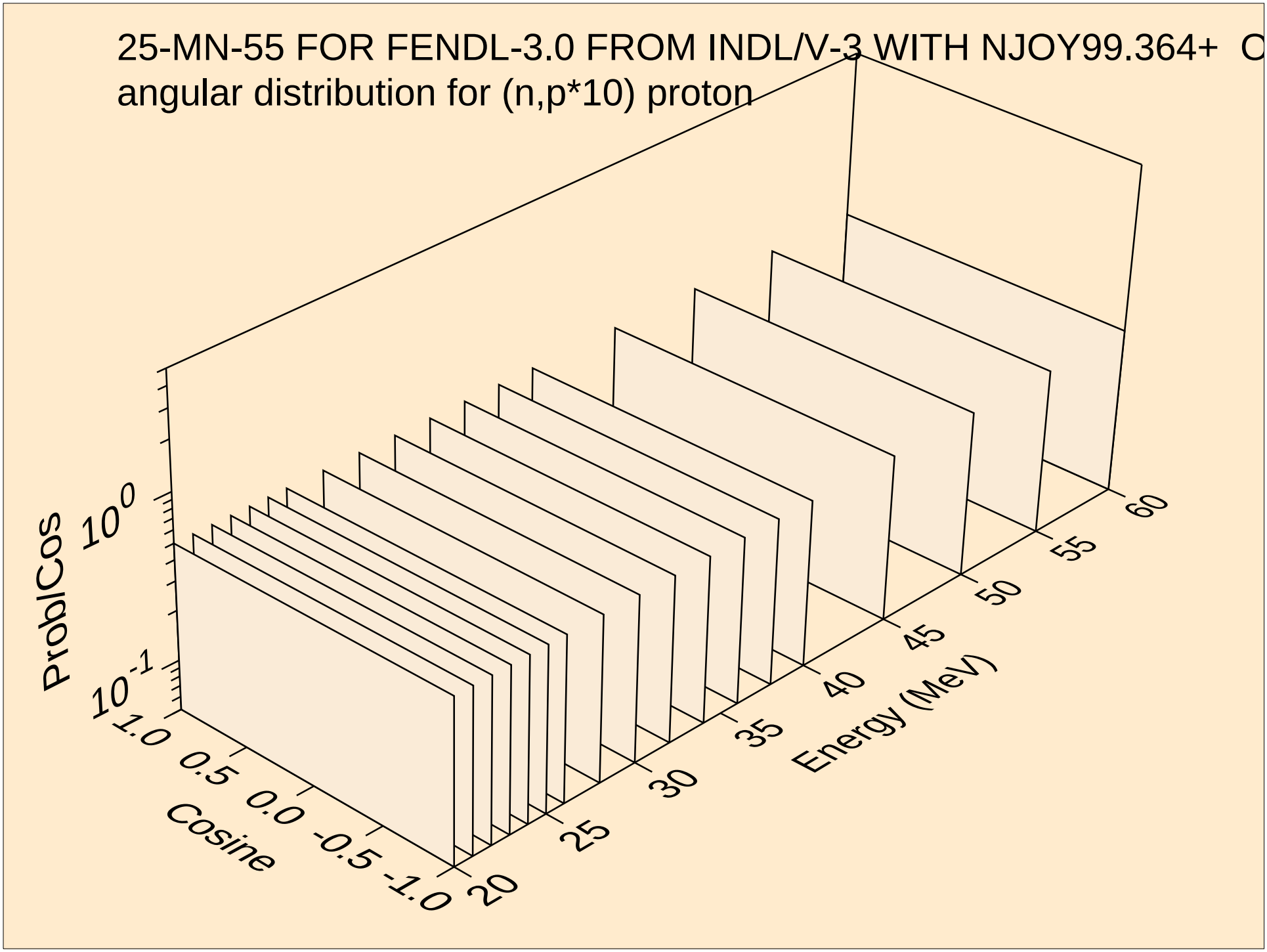

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*8) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

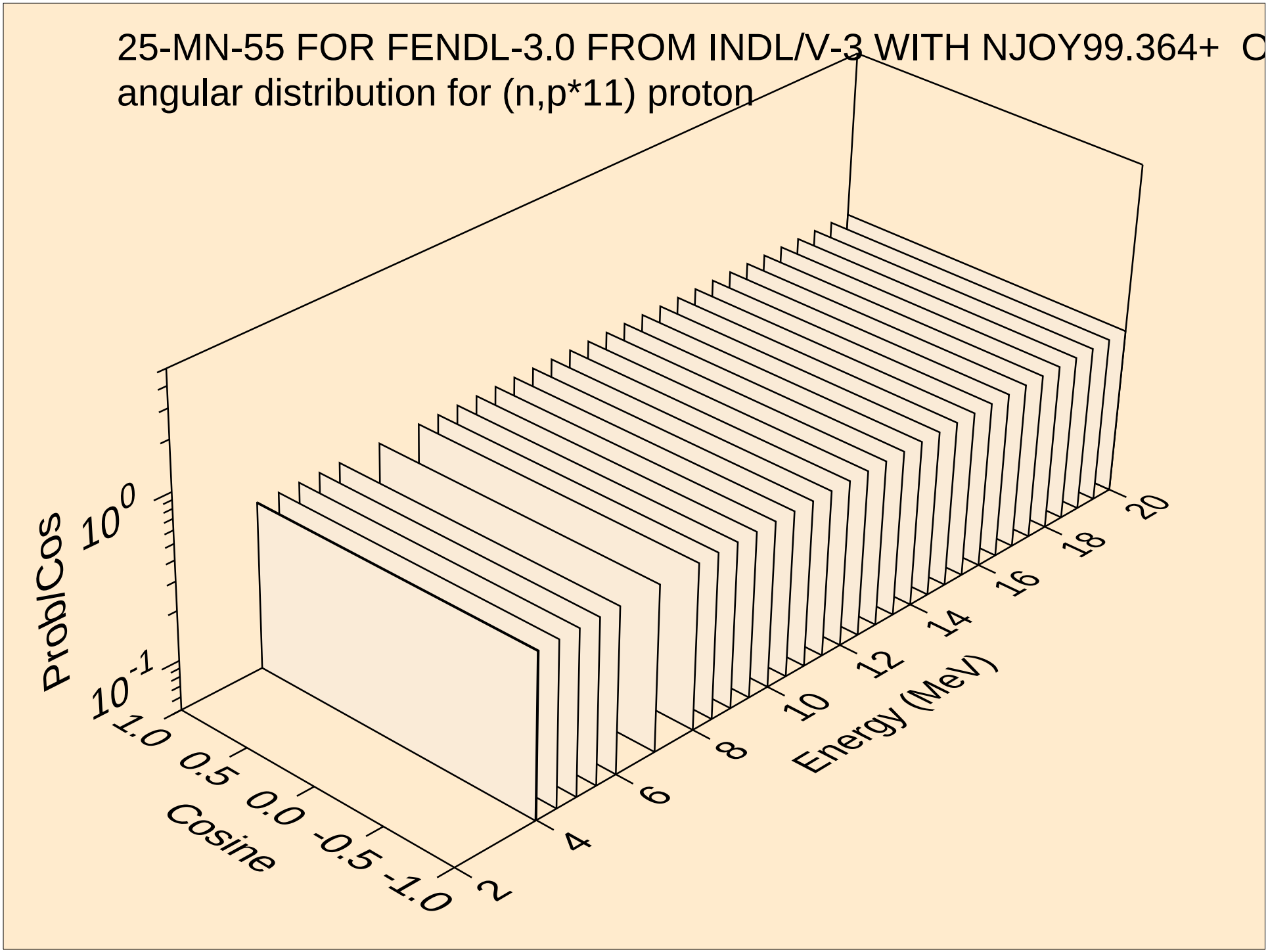

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*8) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

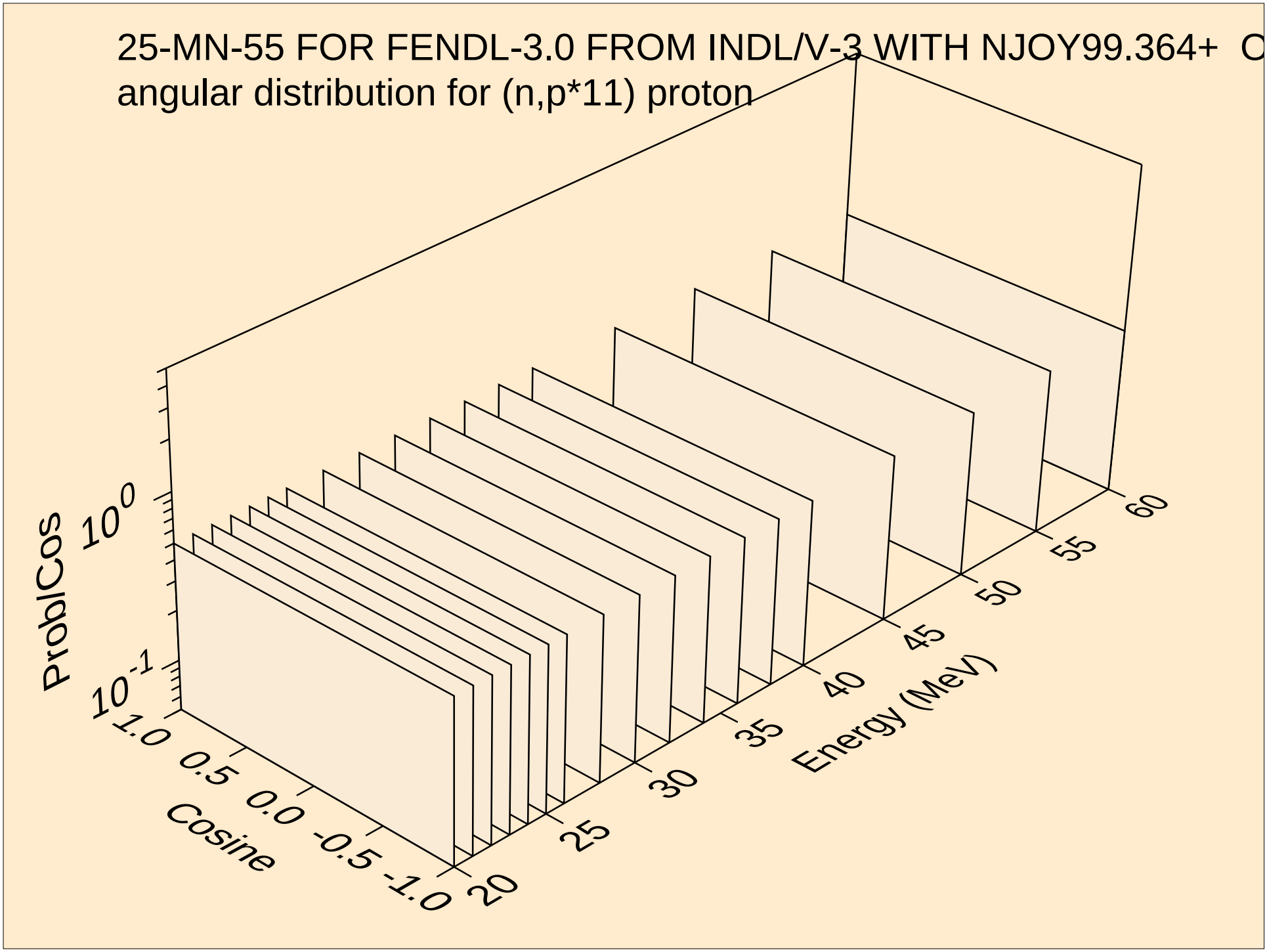

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*9) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

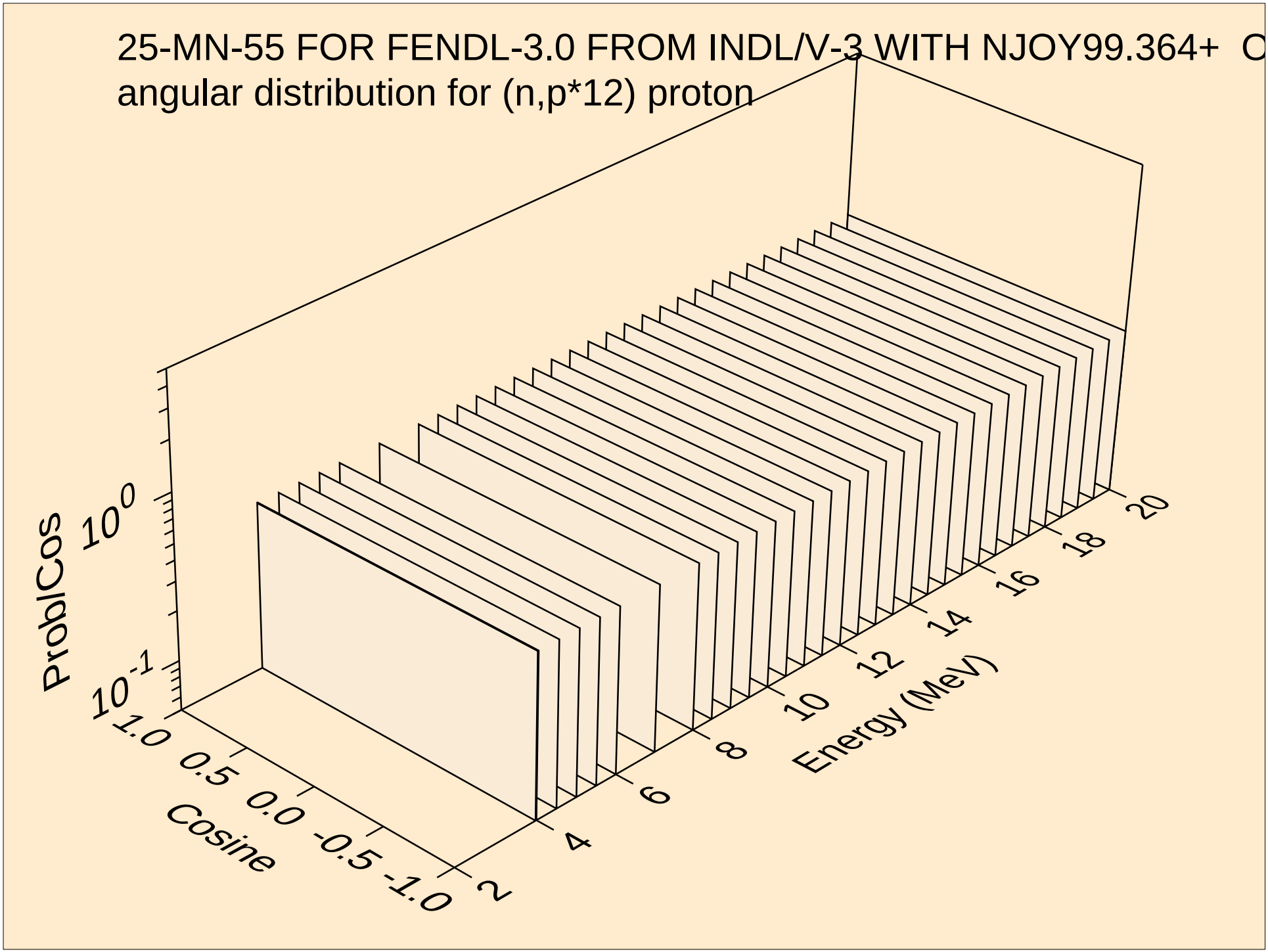

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*9) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

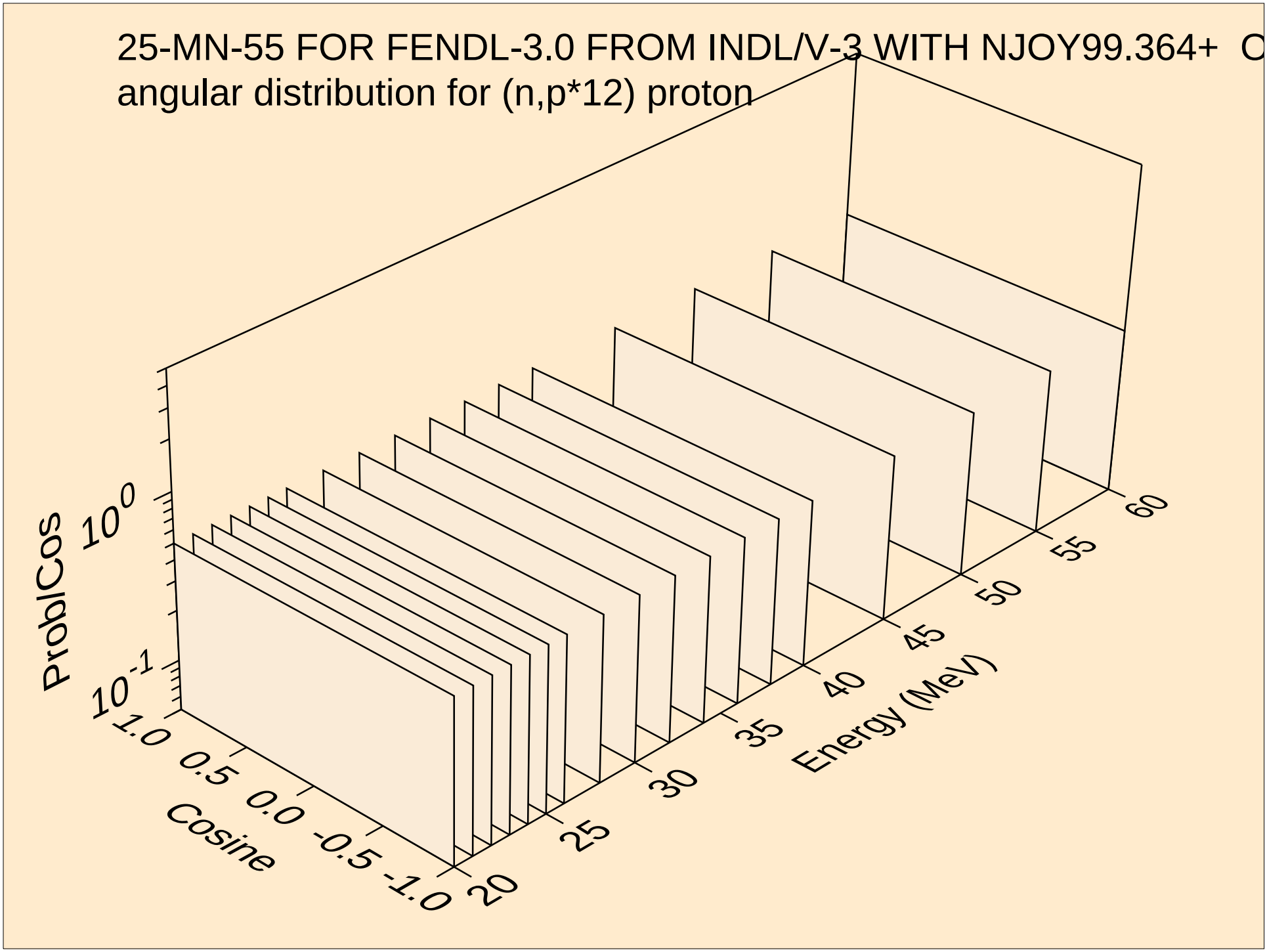

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*10) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

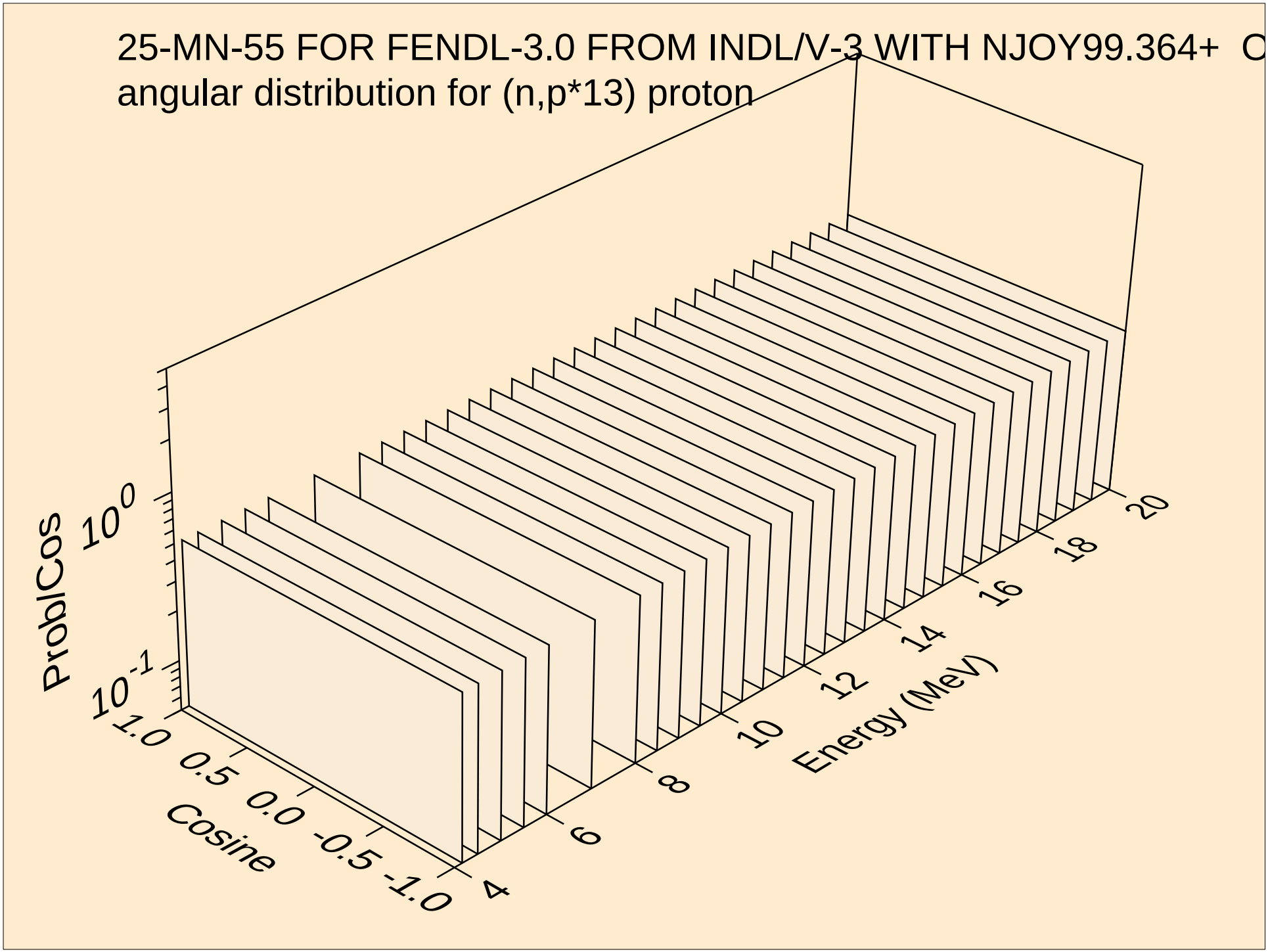

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*10) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

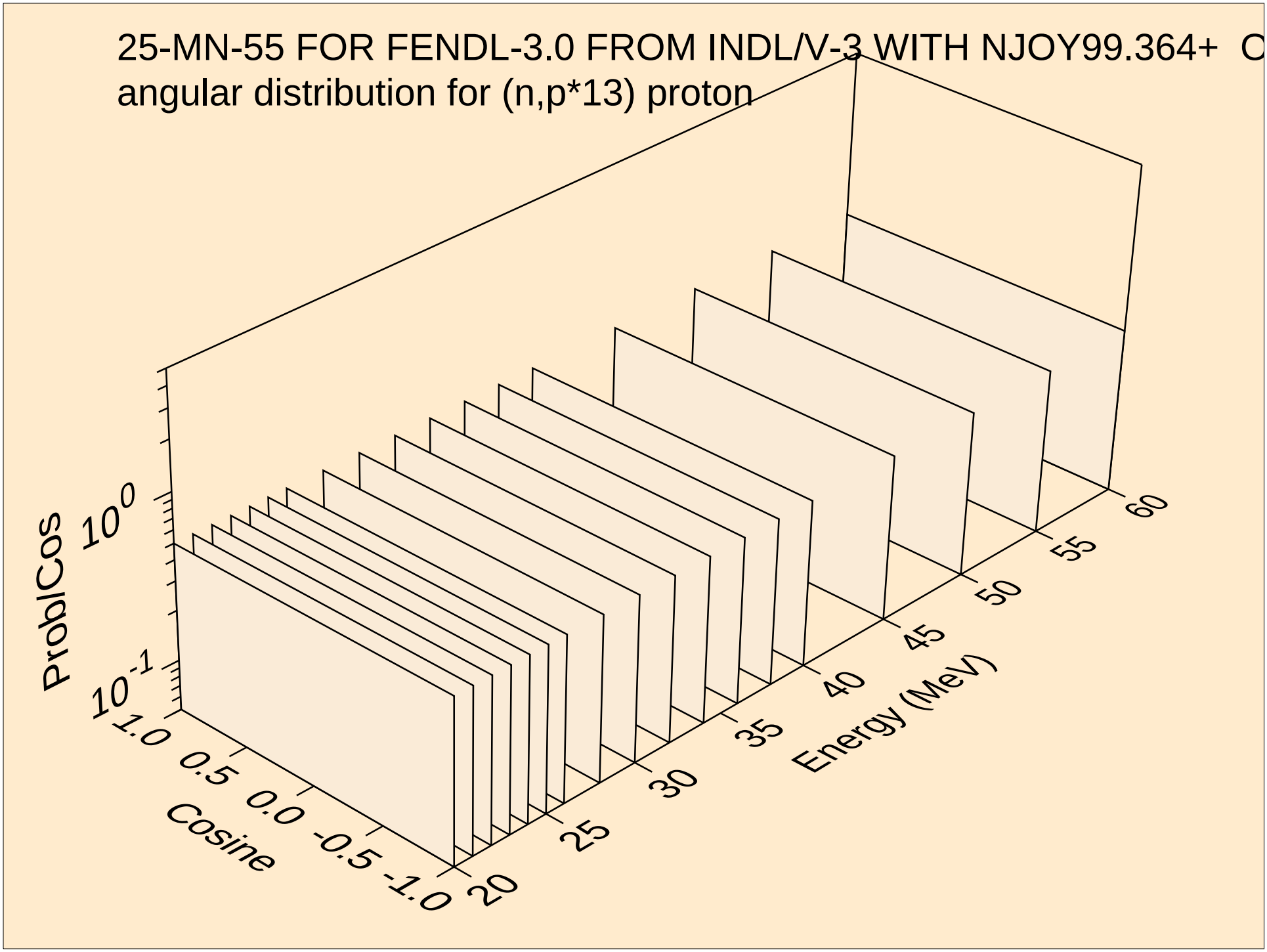

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*11) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

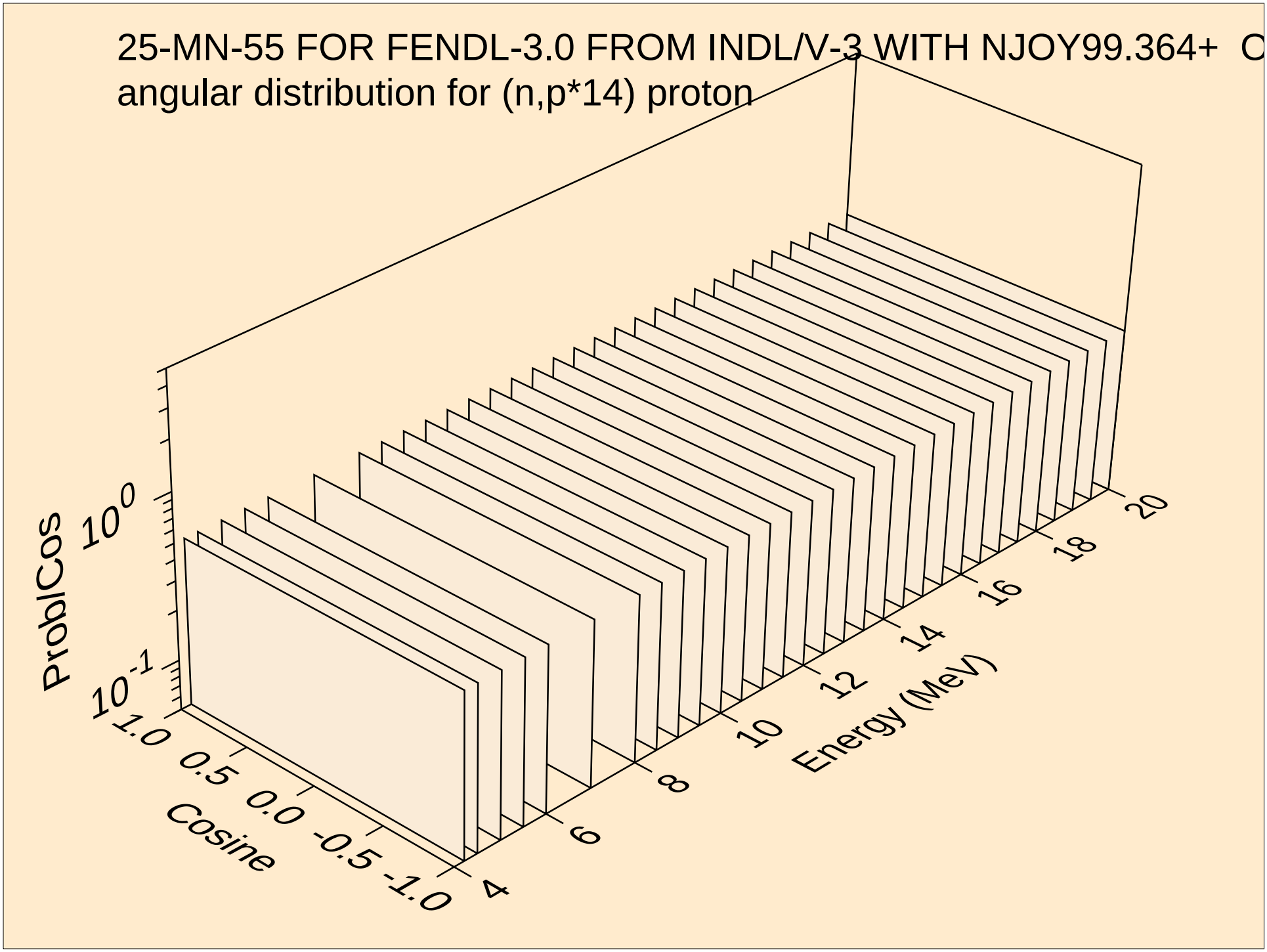

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*11) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

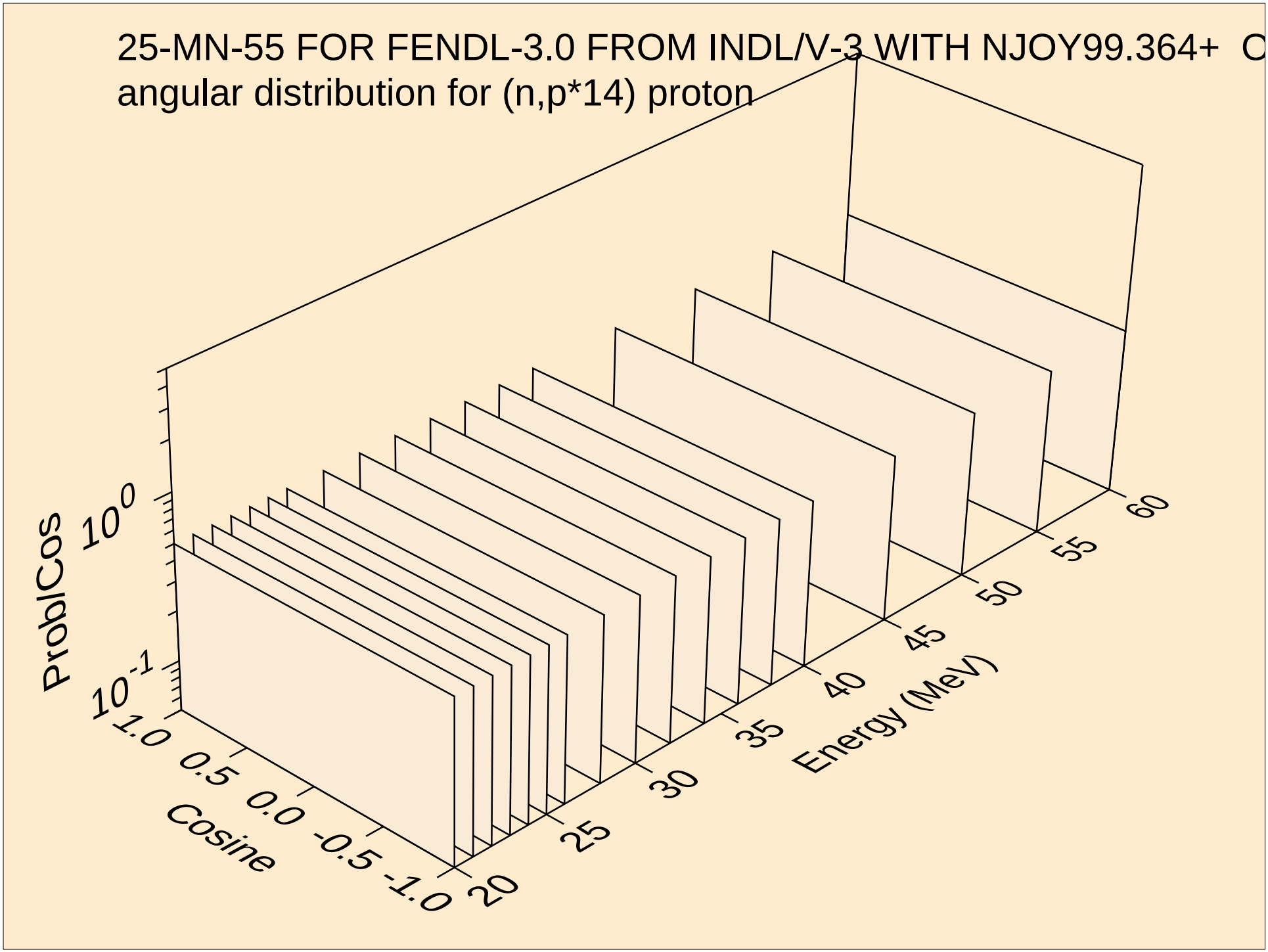

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*12) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

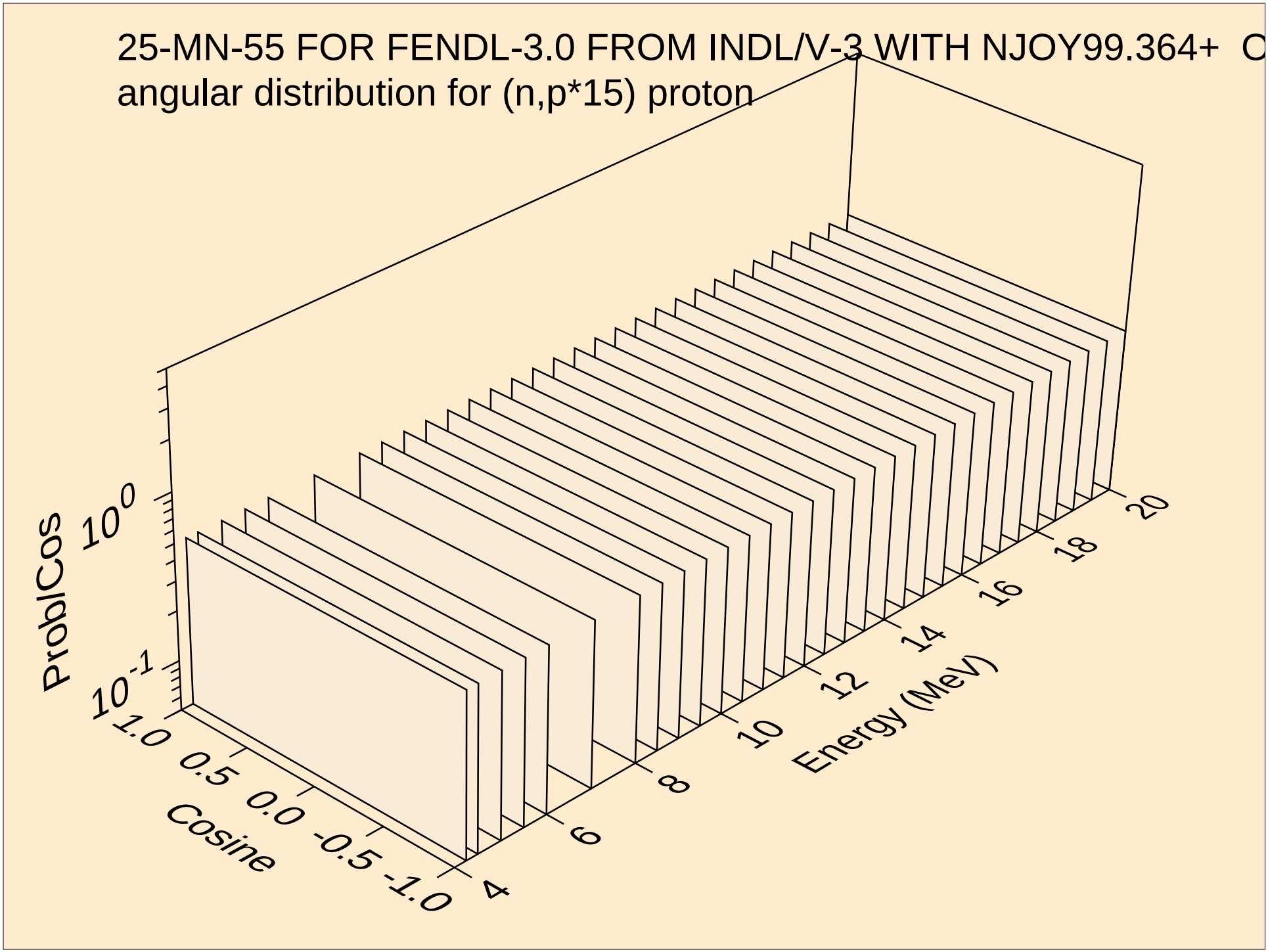

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*12) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

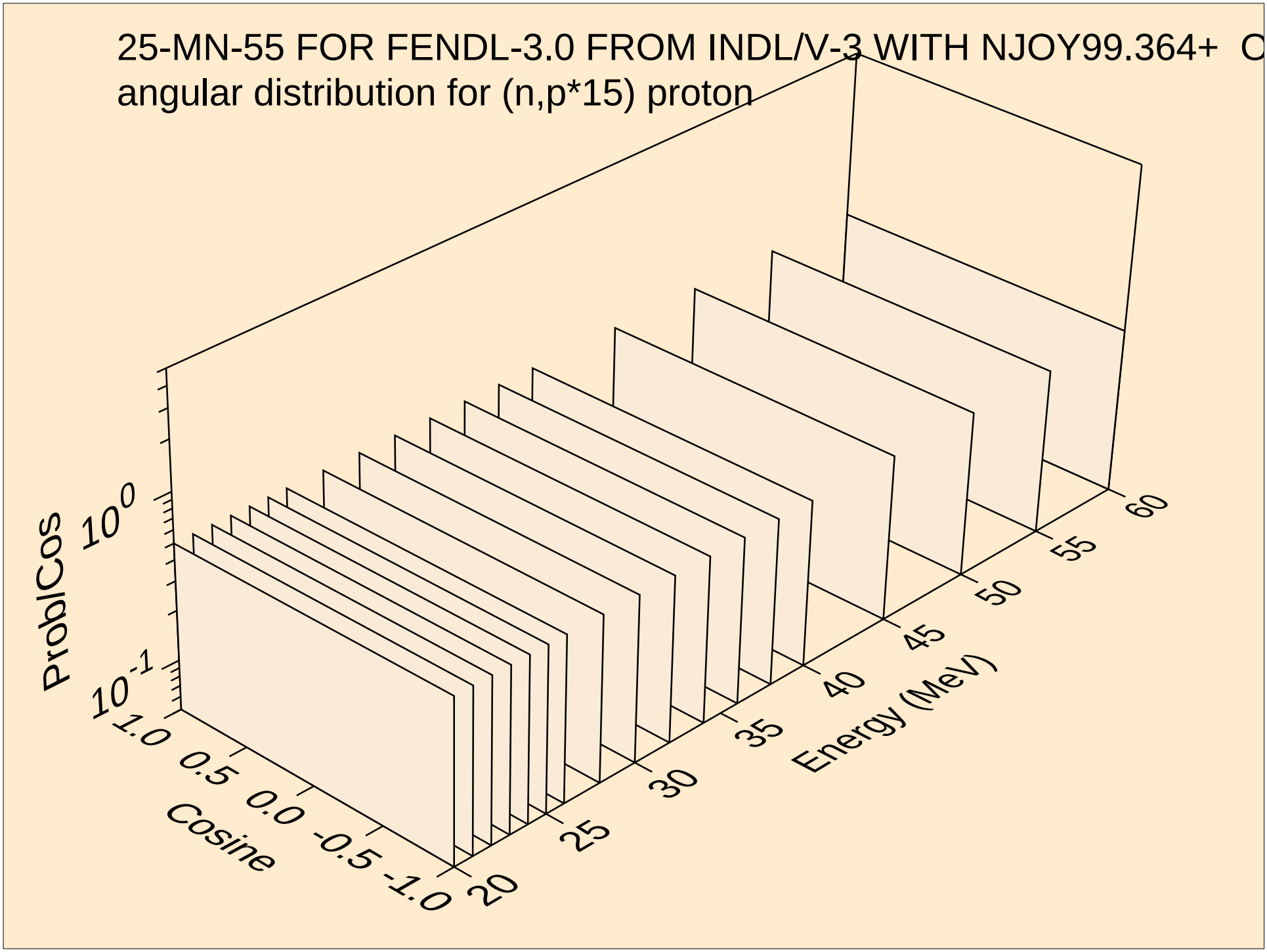

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*13) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

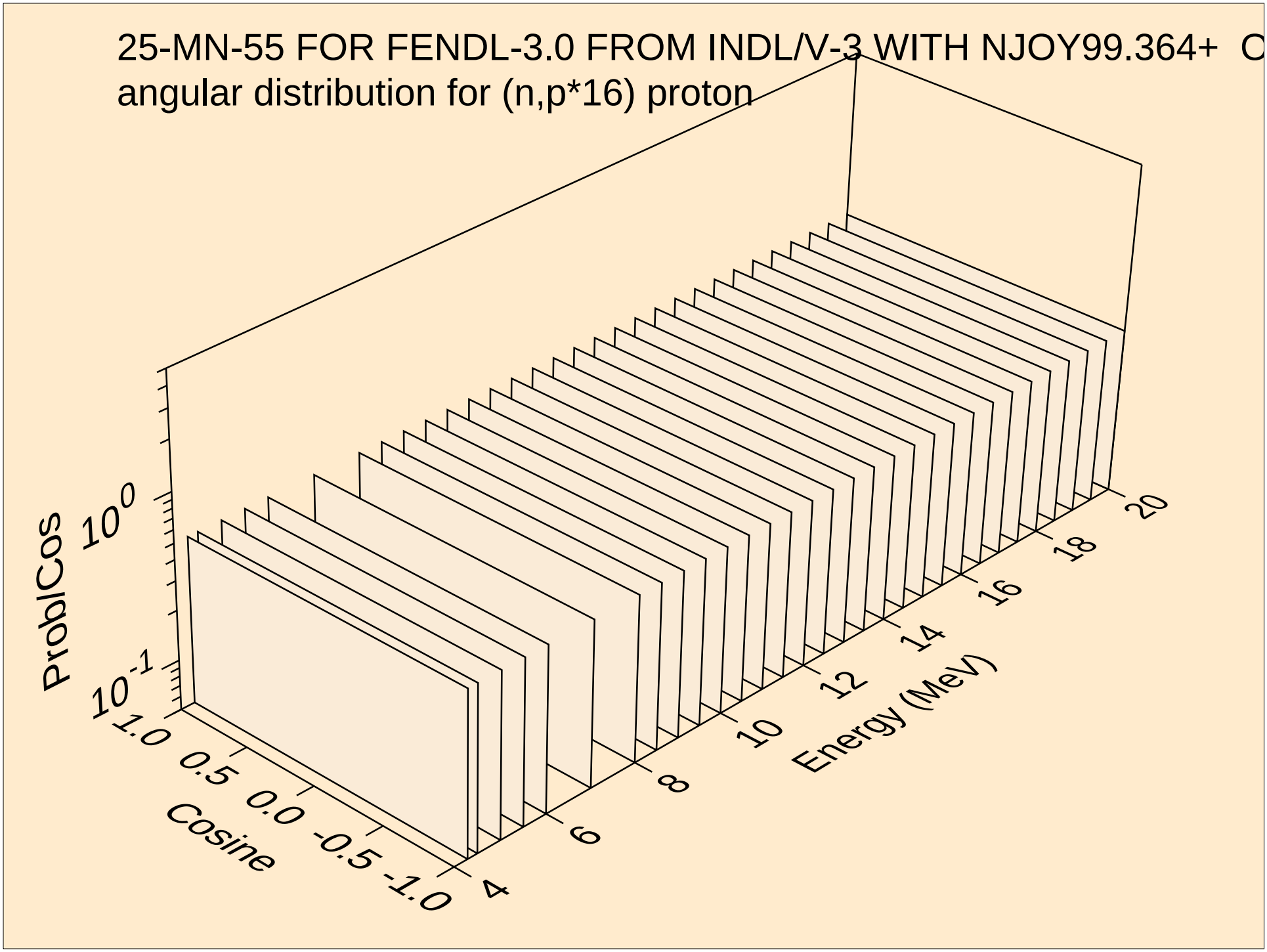

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*13) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

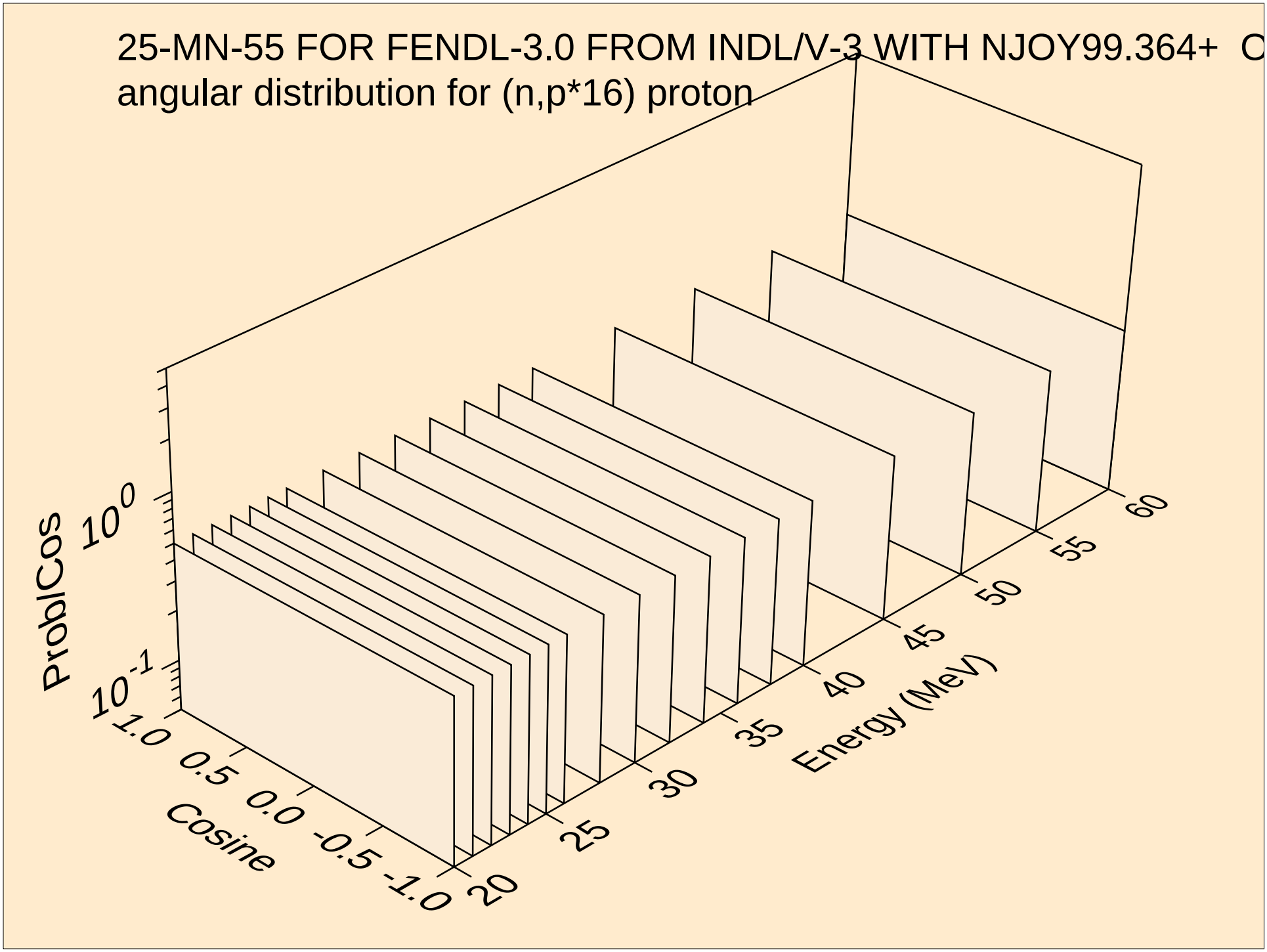

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*14) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

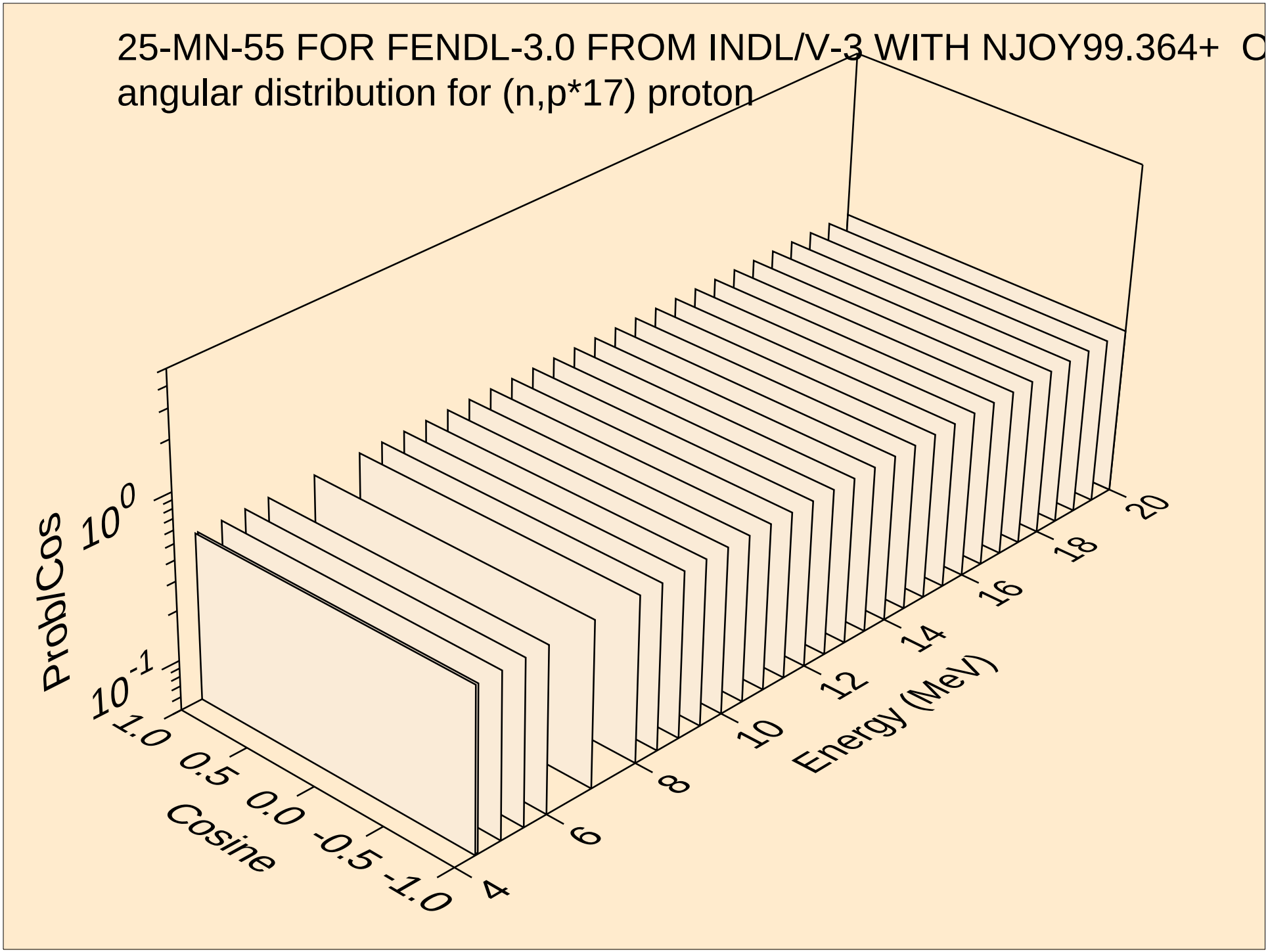

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*14) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

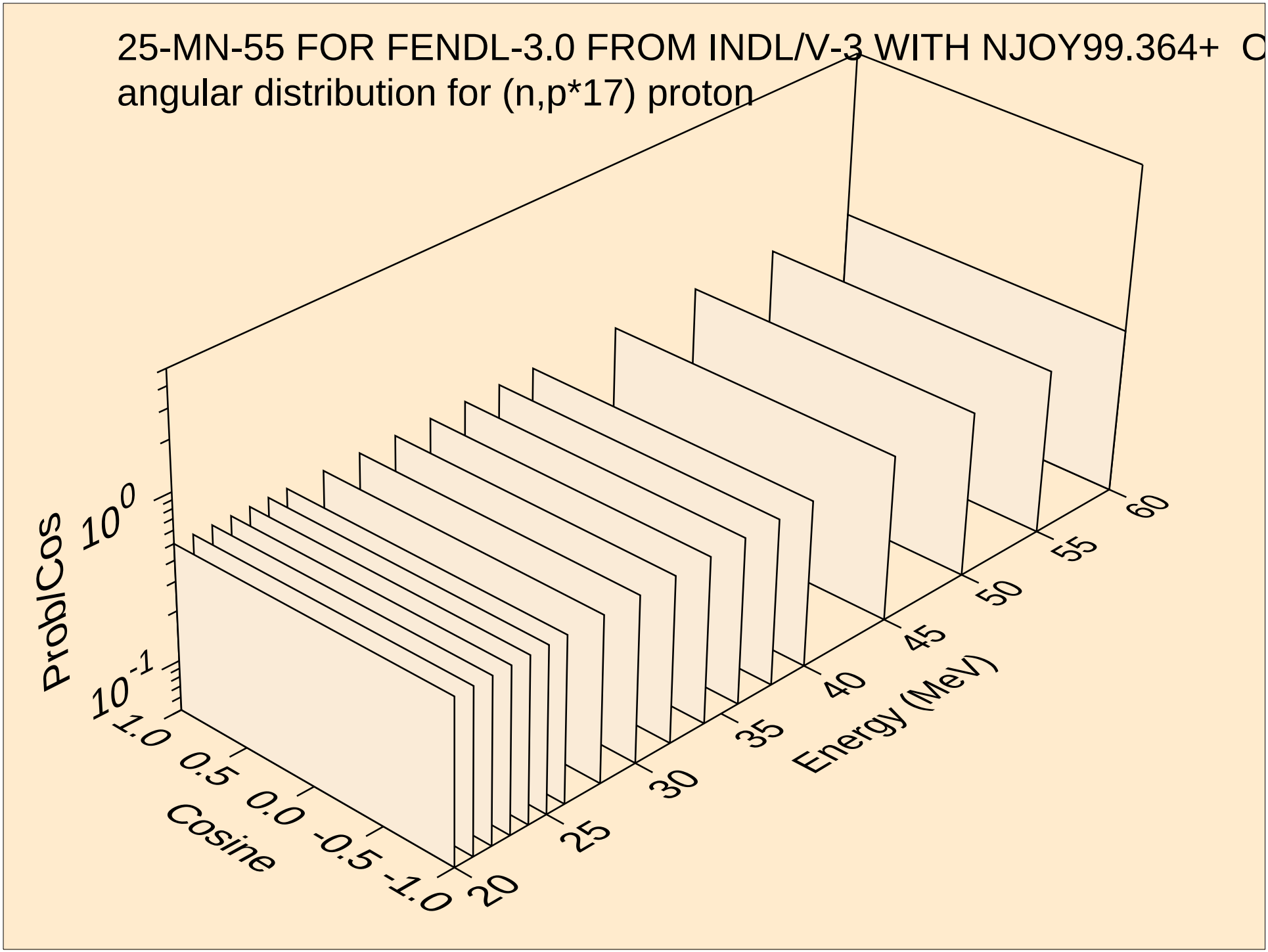

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*15) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

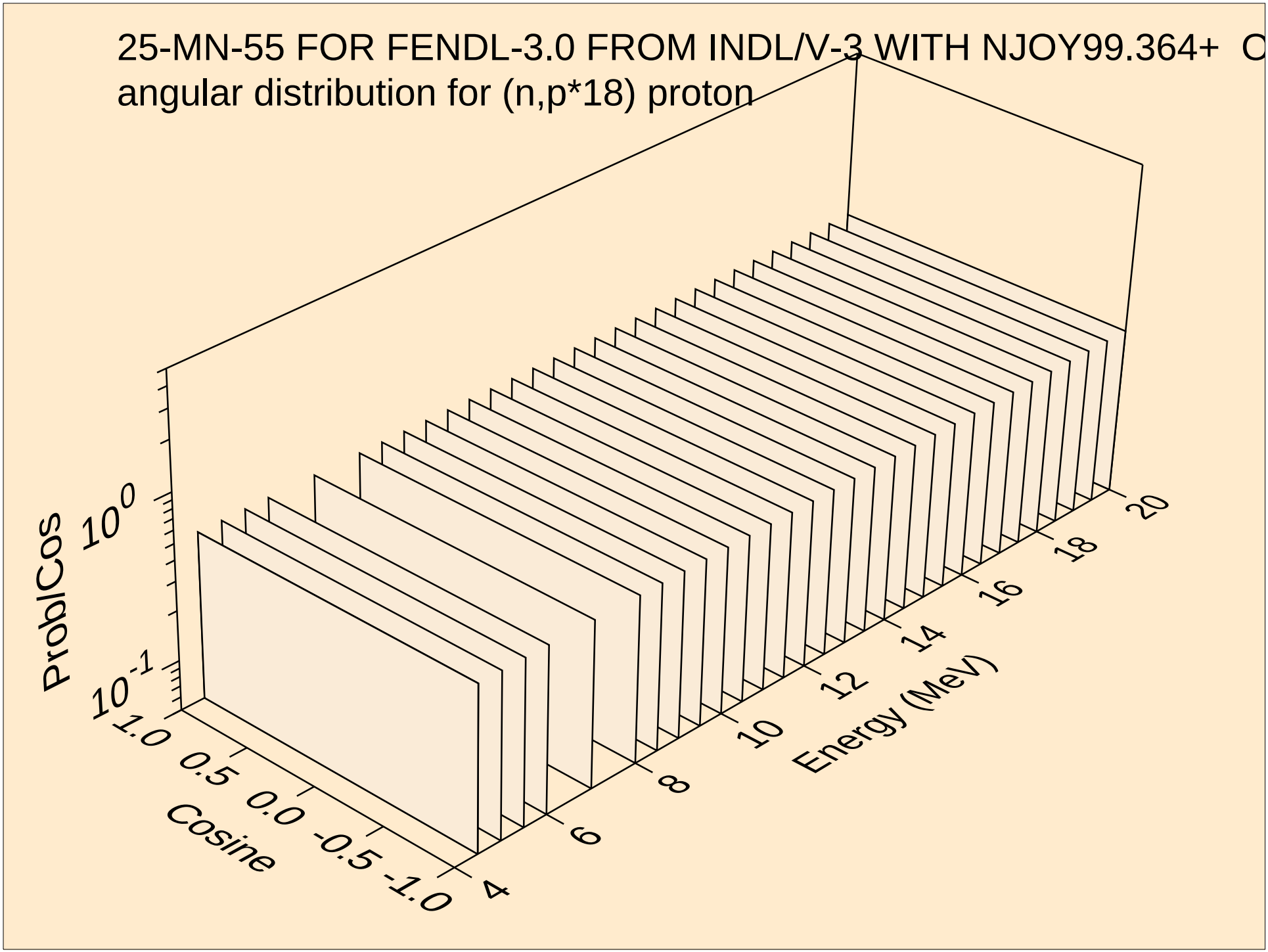

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*15) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

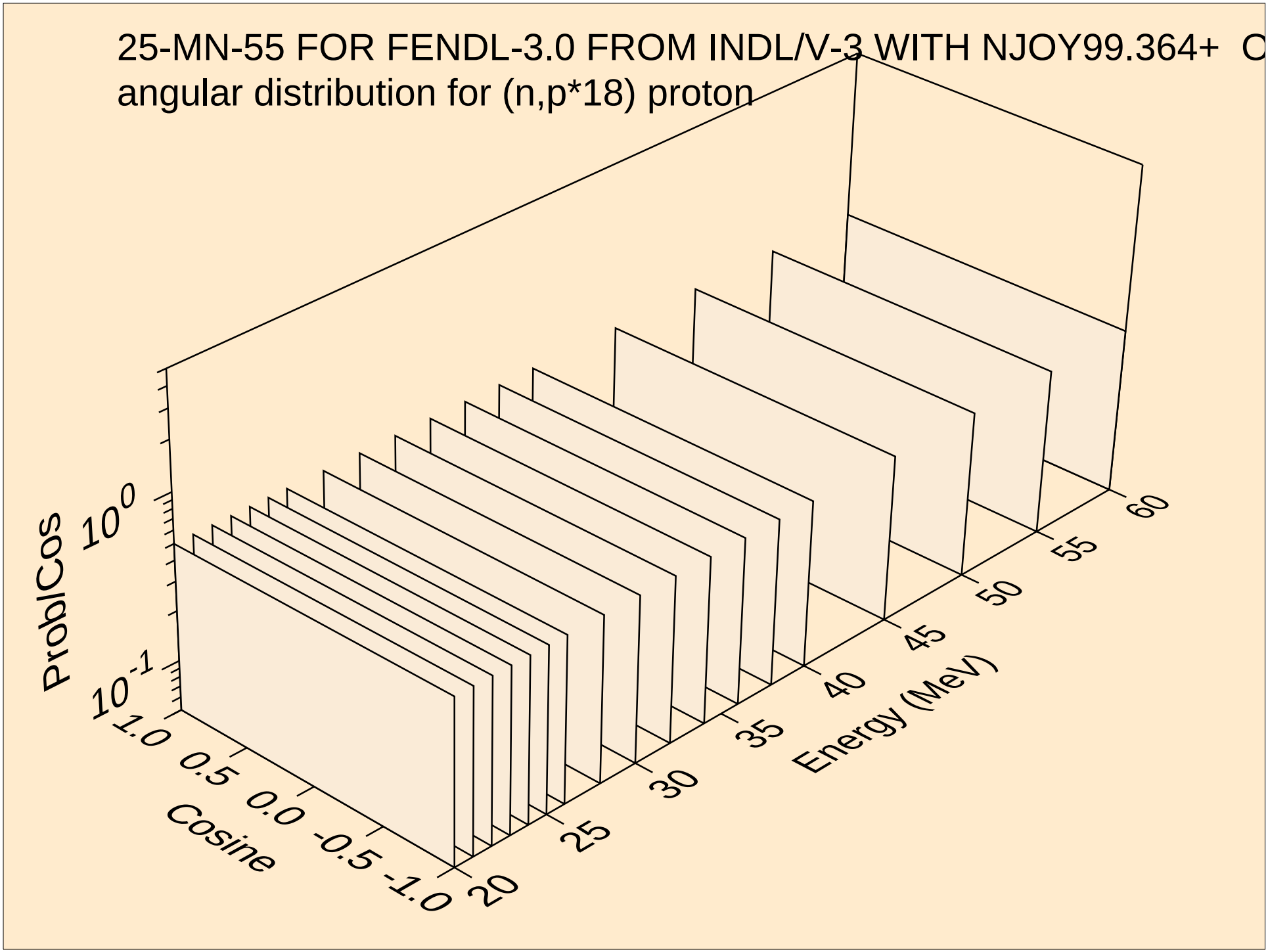

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*16) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

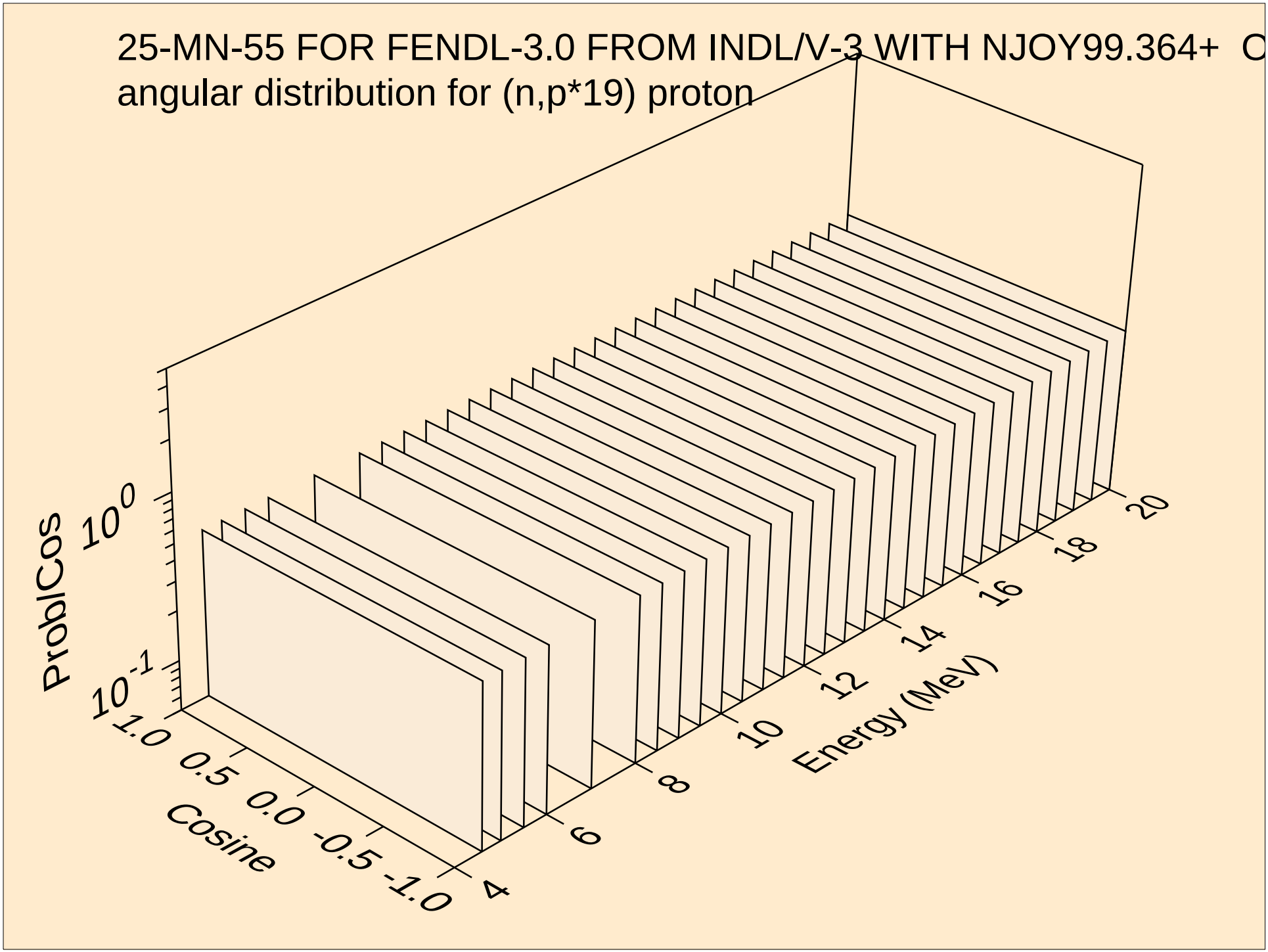

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*16) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

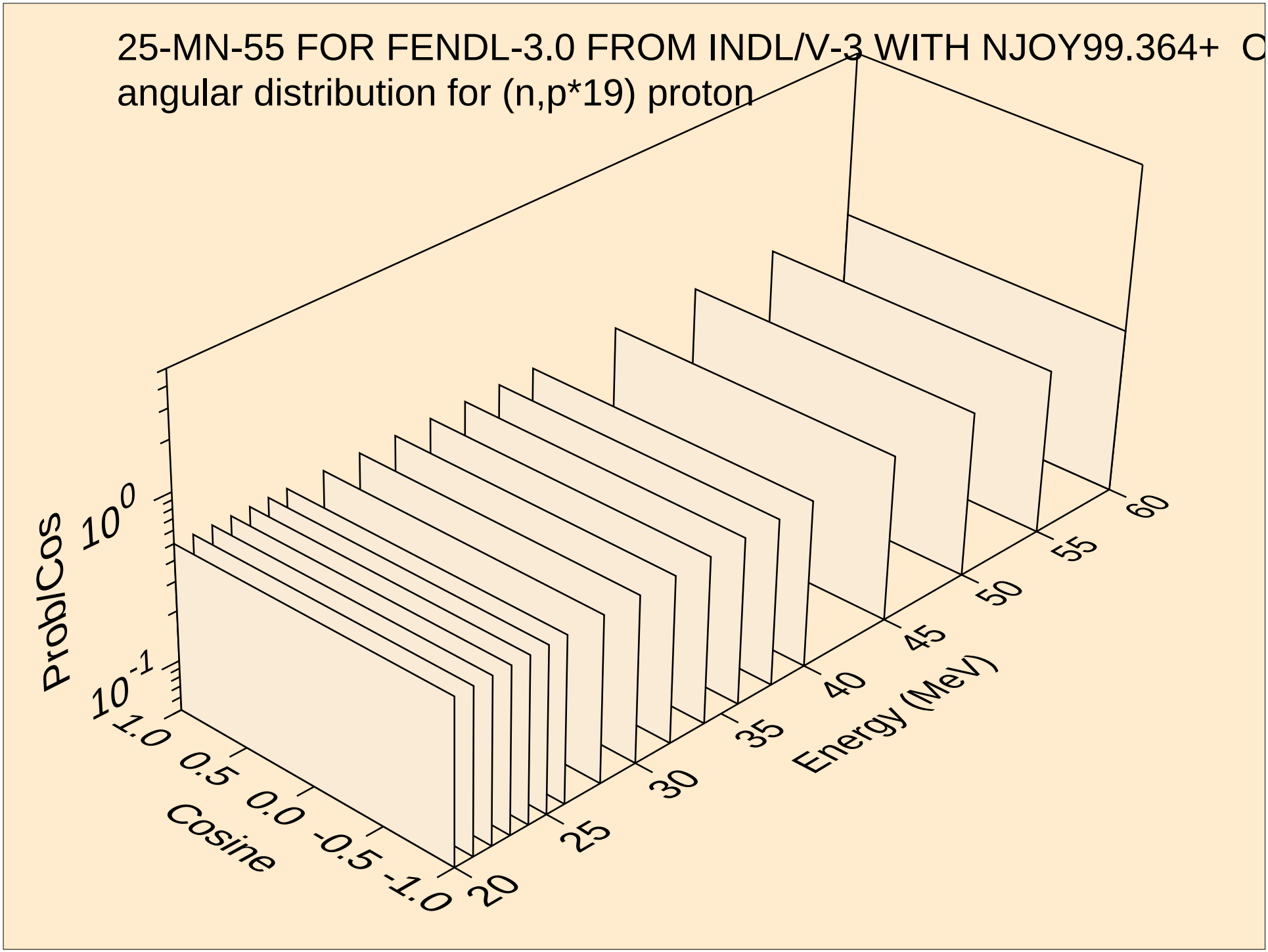

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*17) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

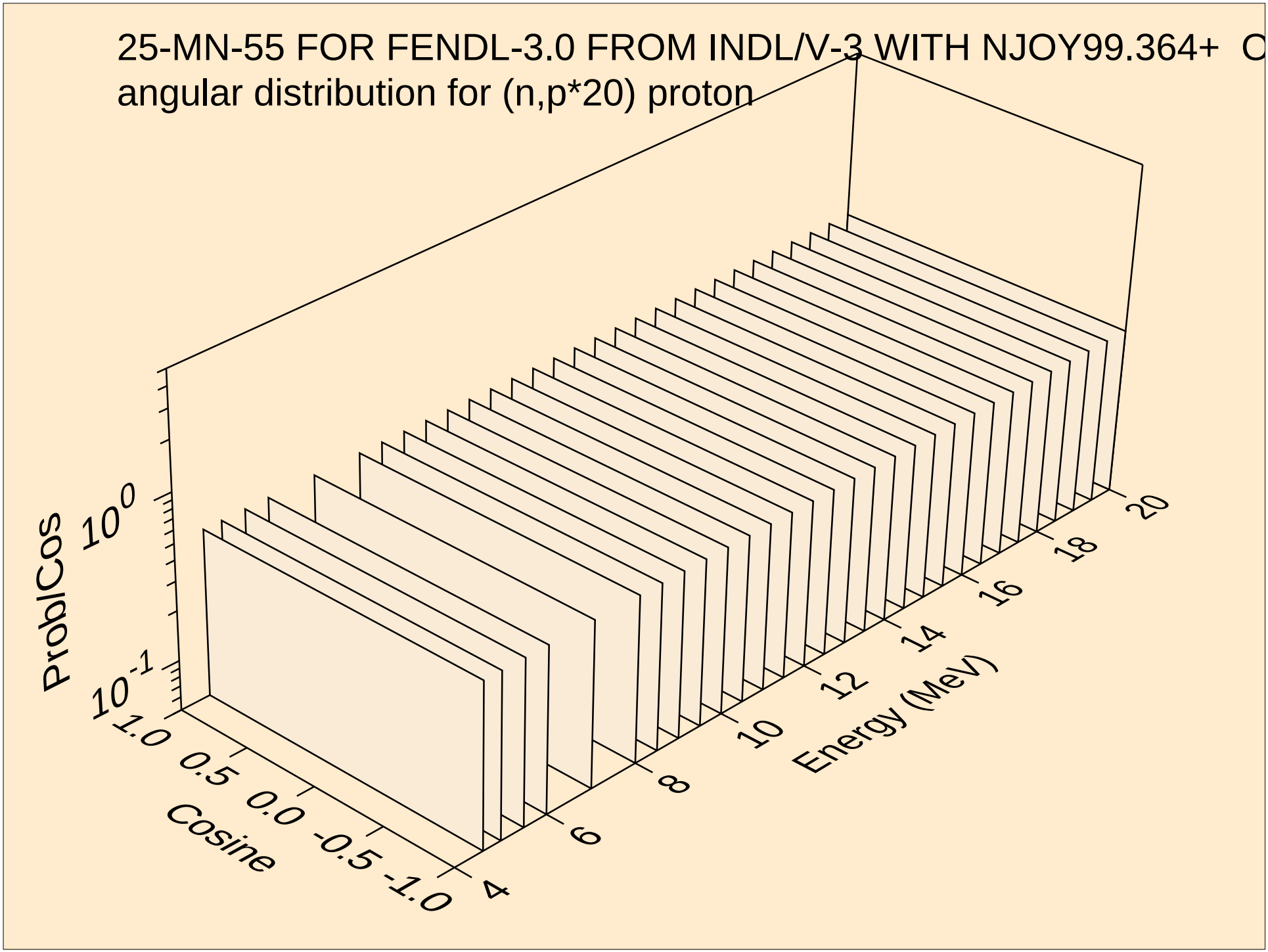

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*17) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

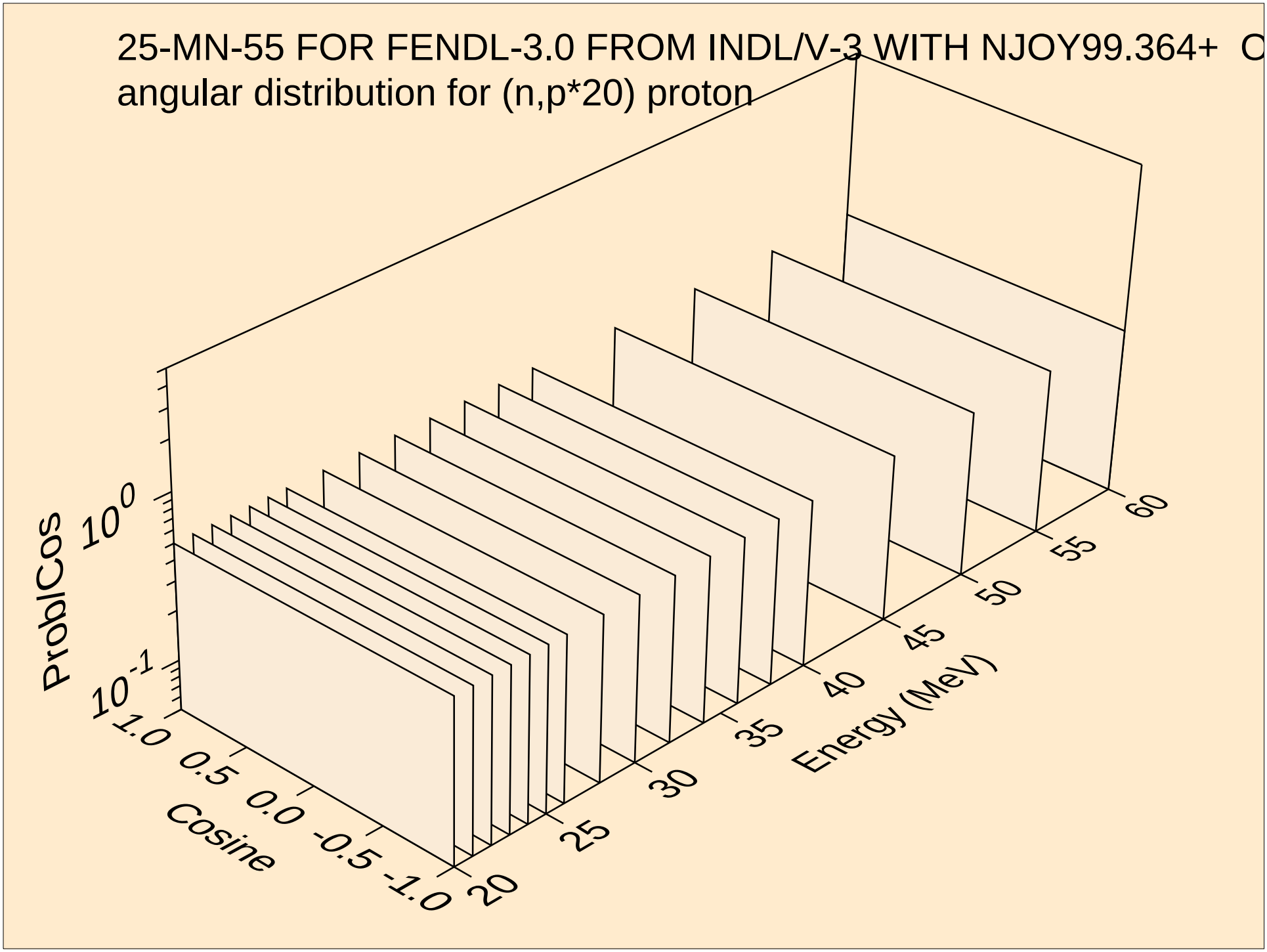

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*18) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

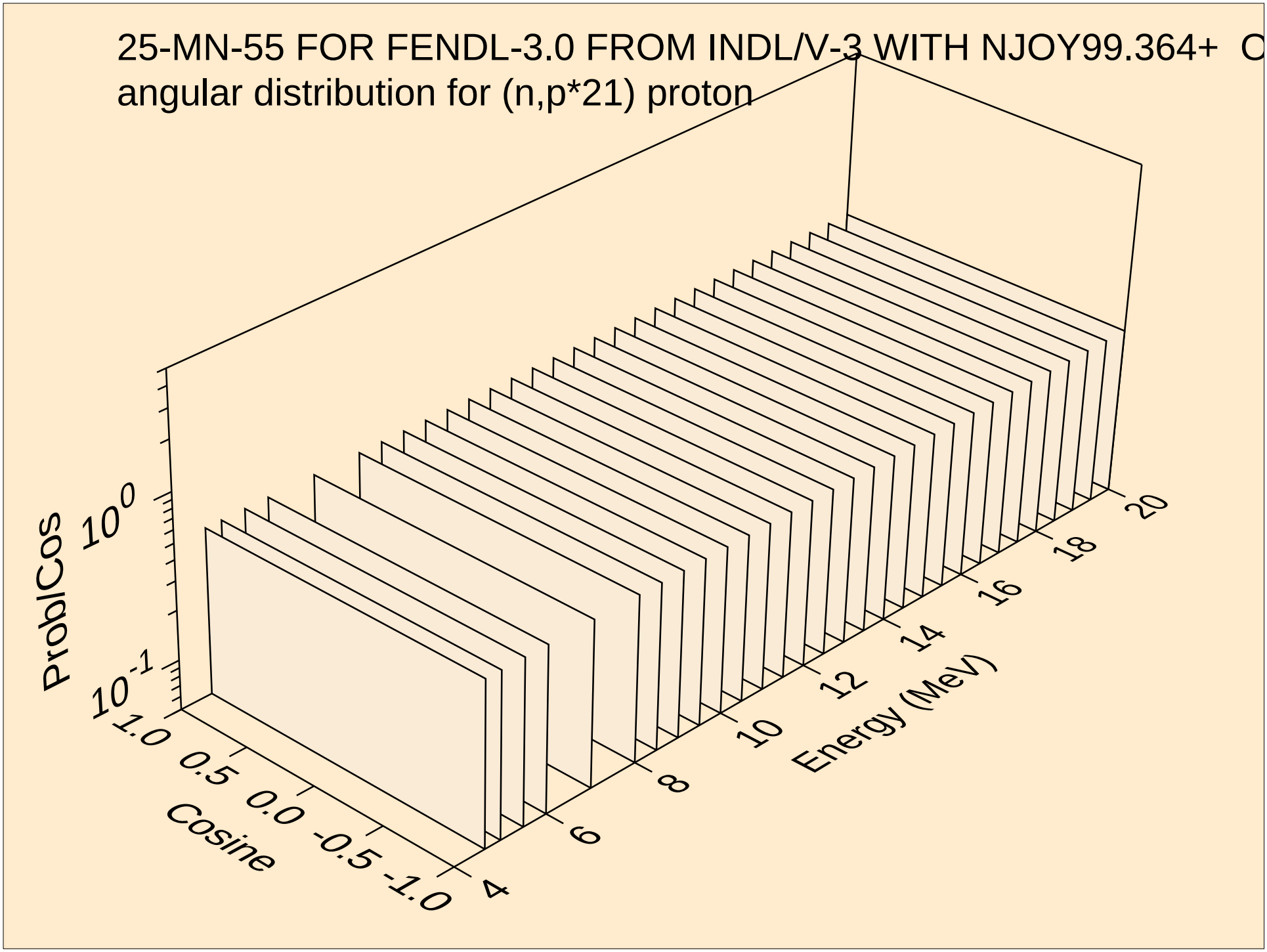

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*18) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

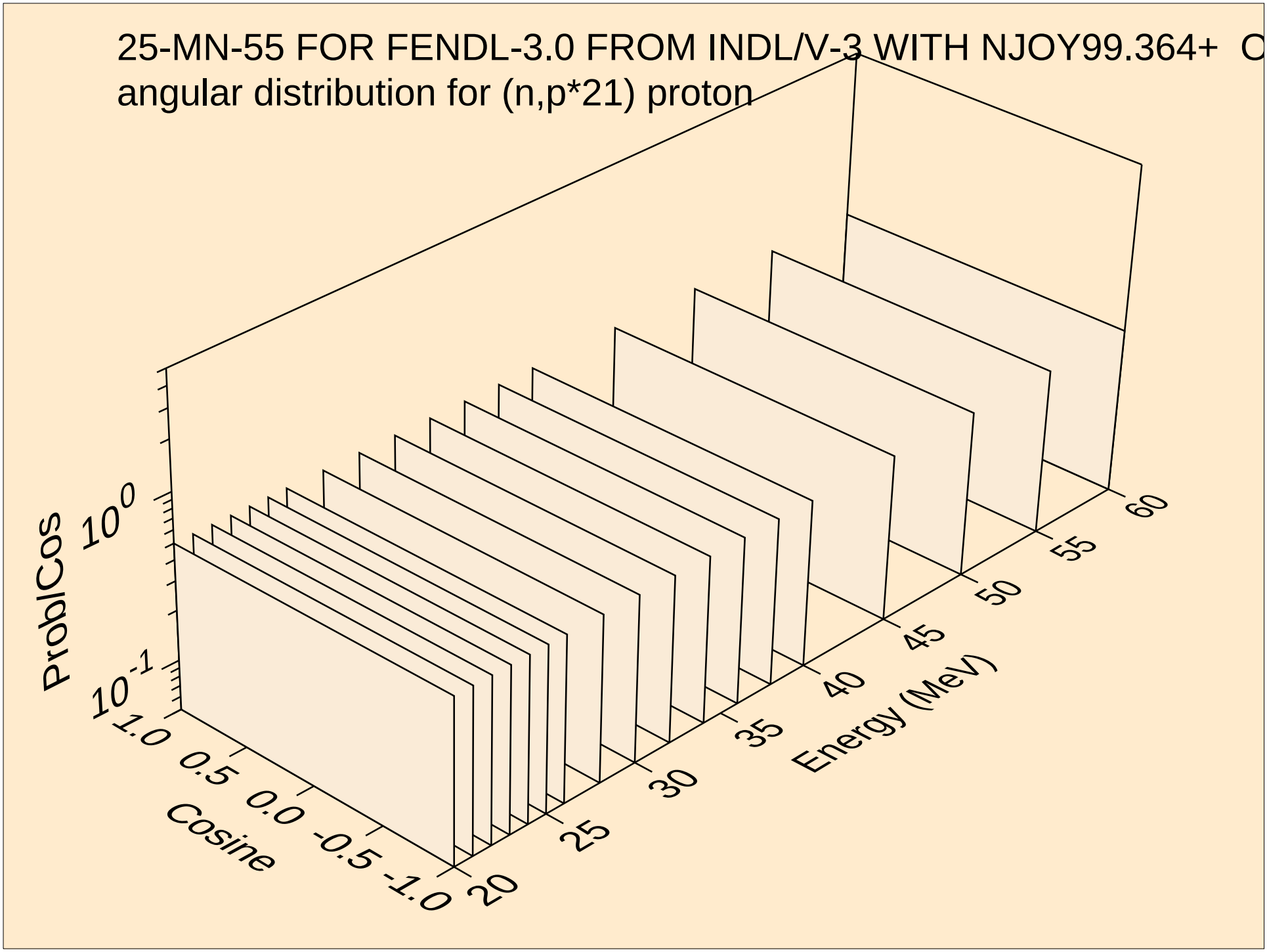

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*19) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

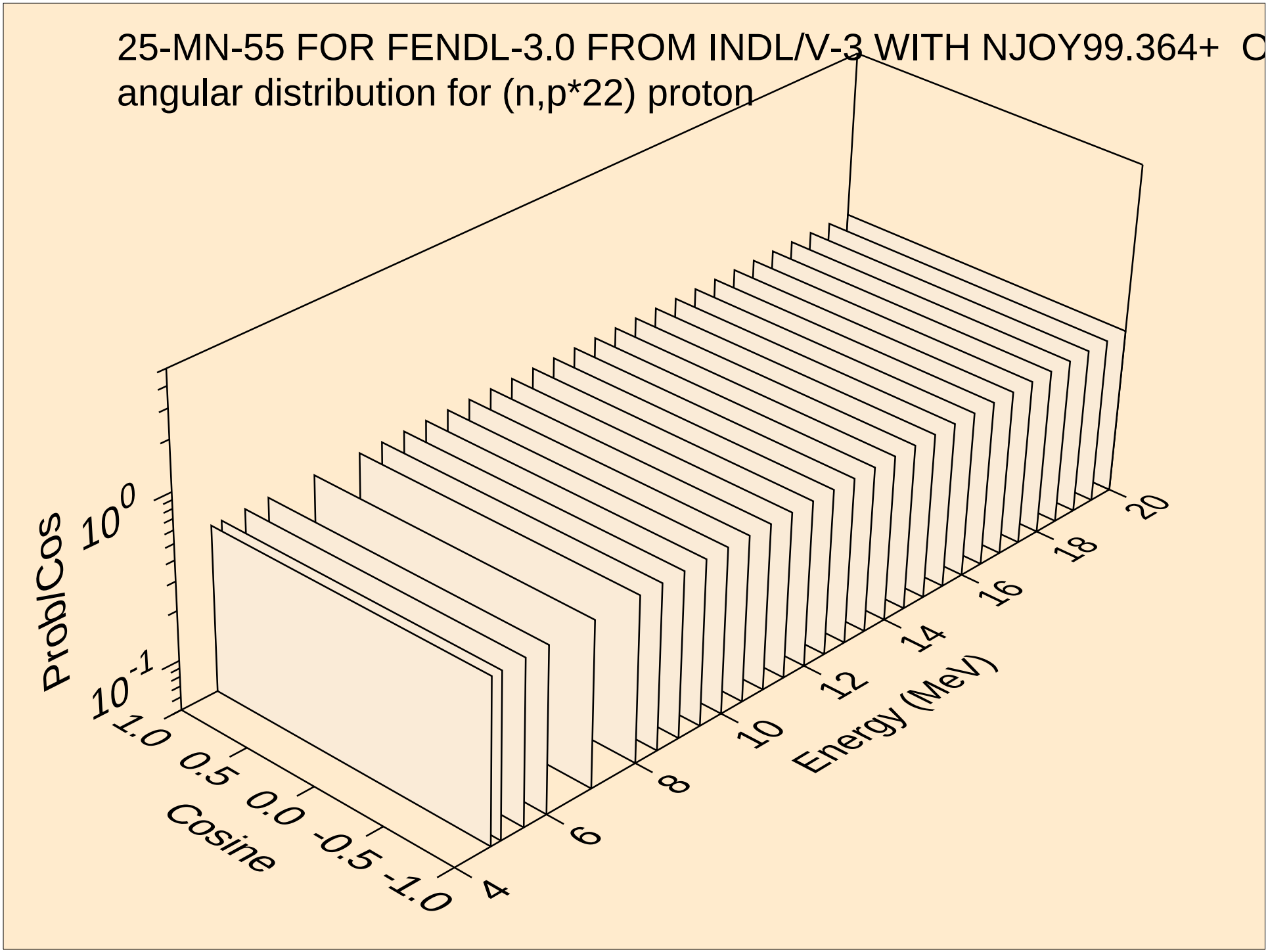

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*19) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

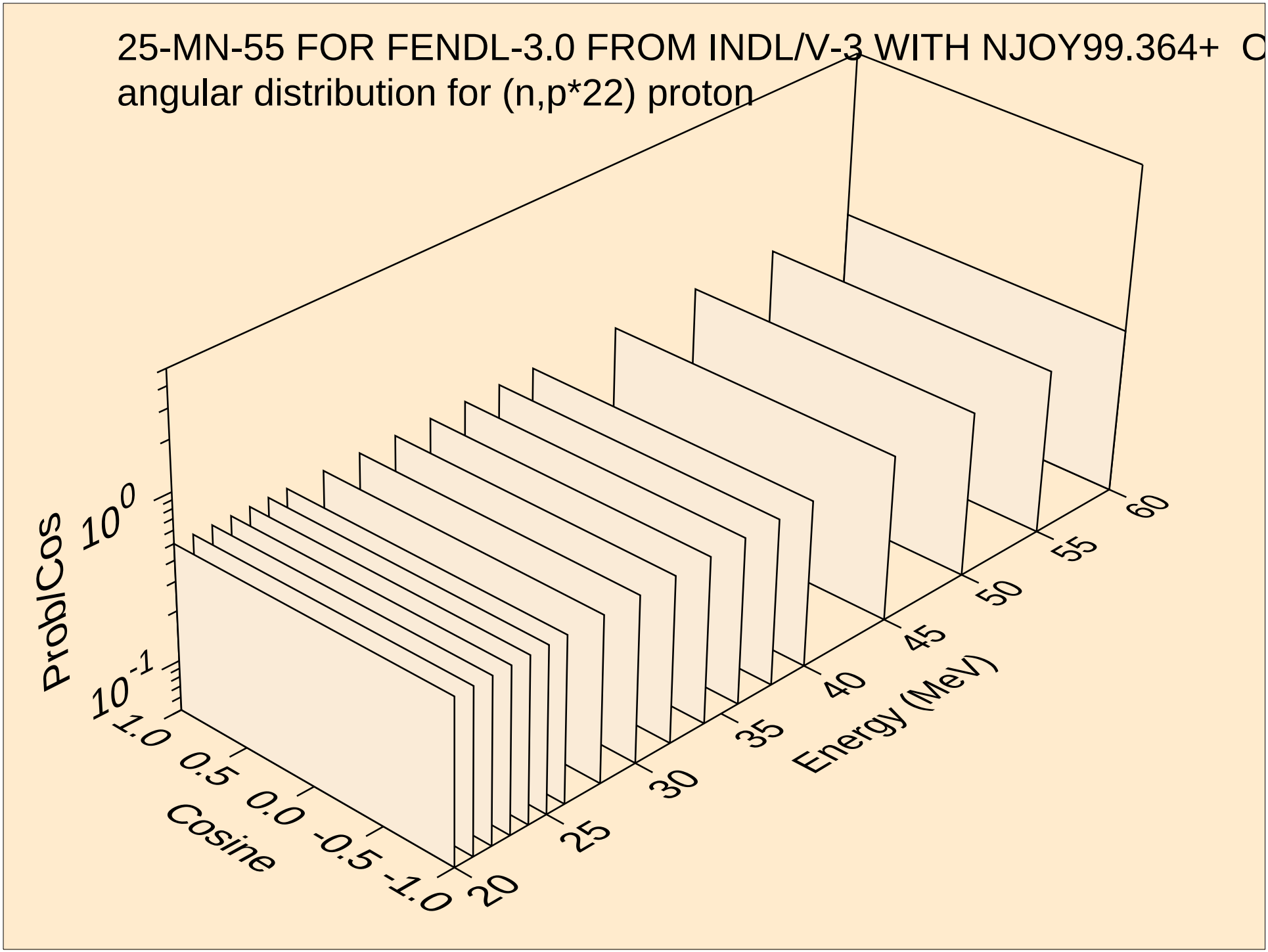

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*20) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

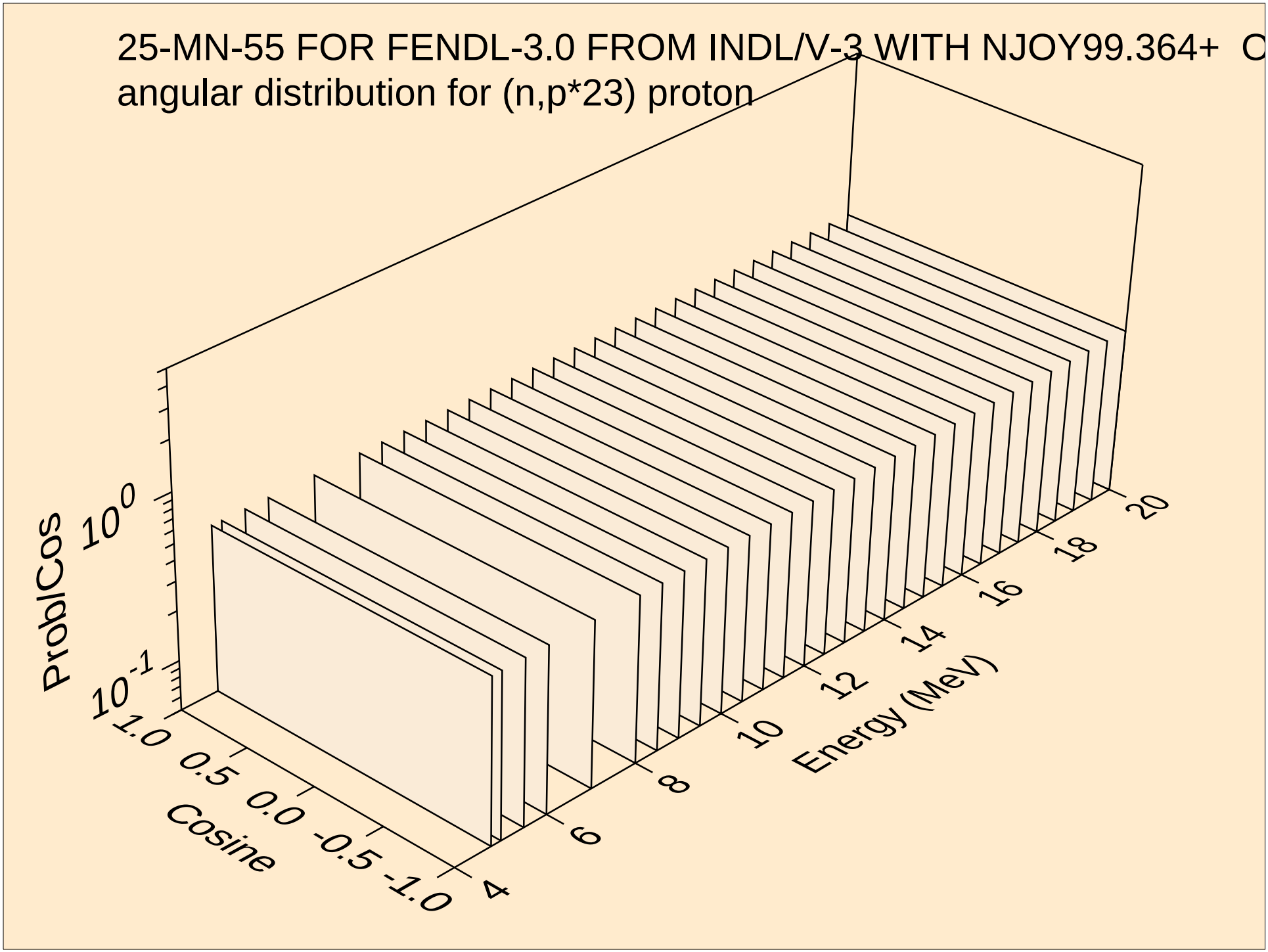

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*20) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

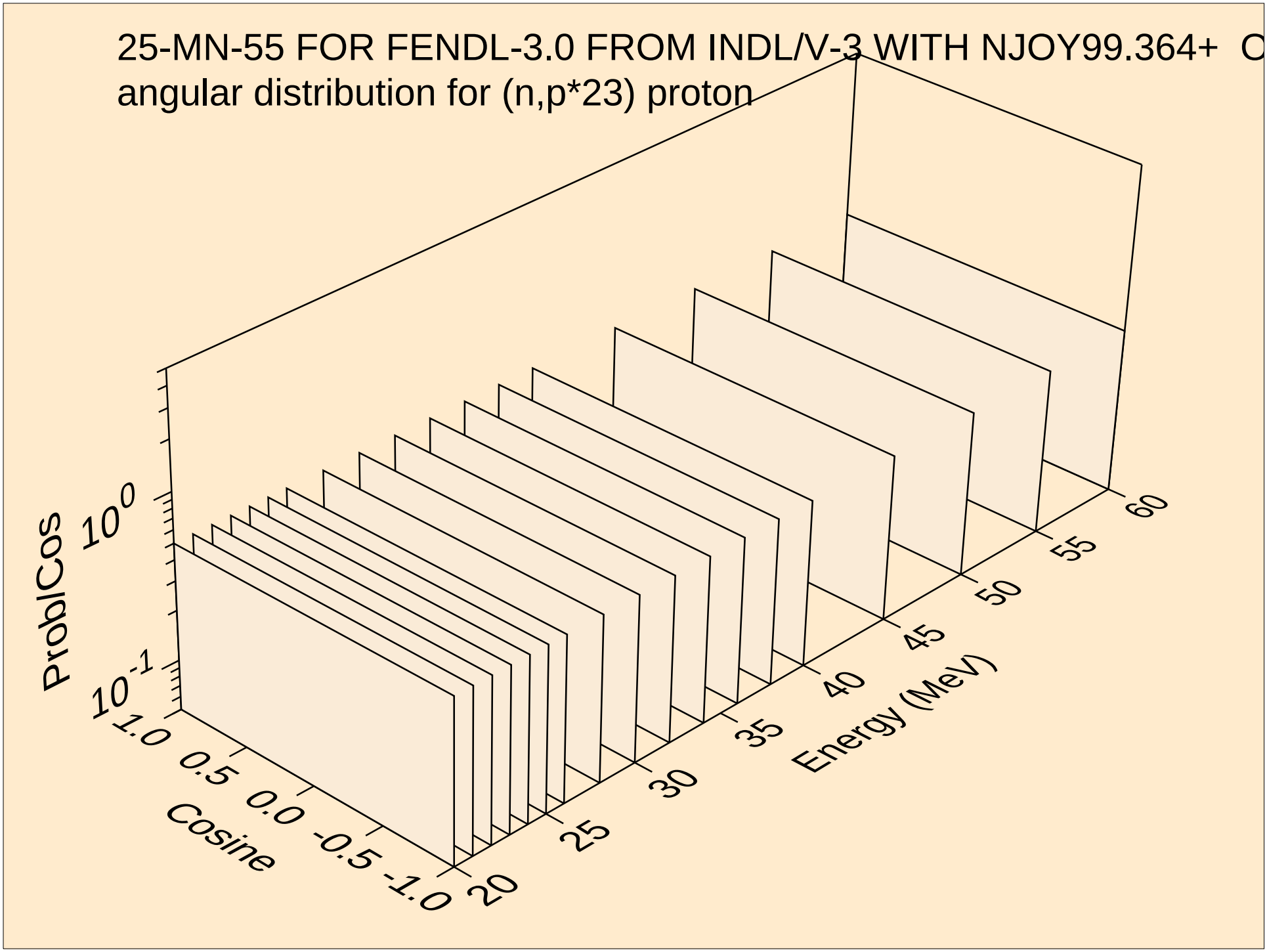

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*21) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

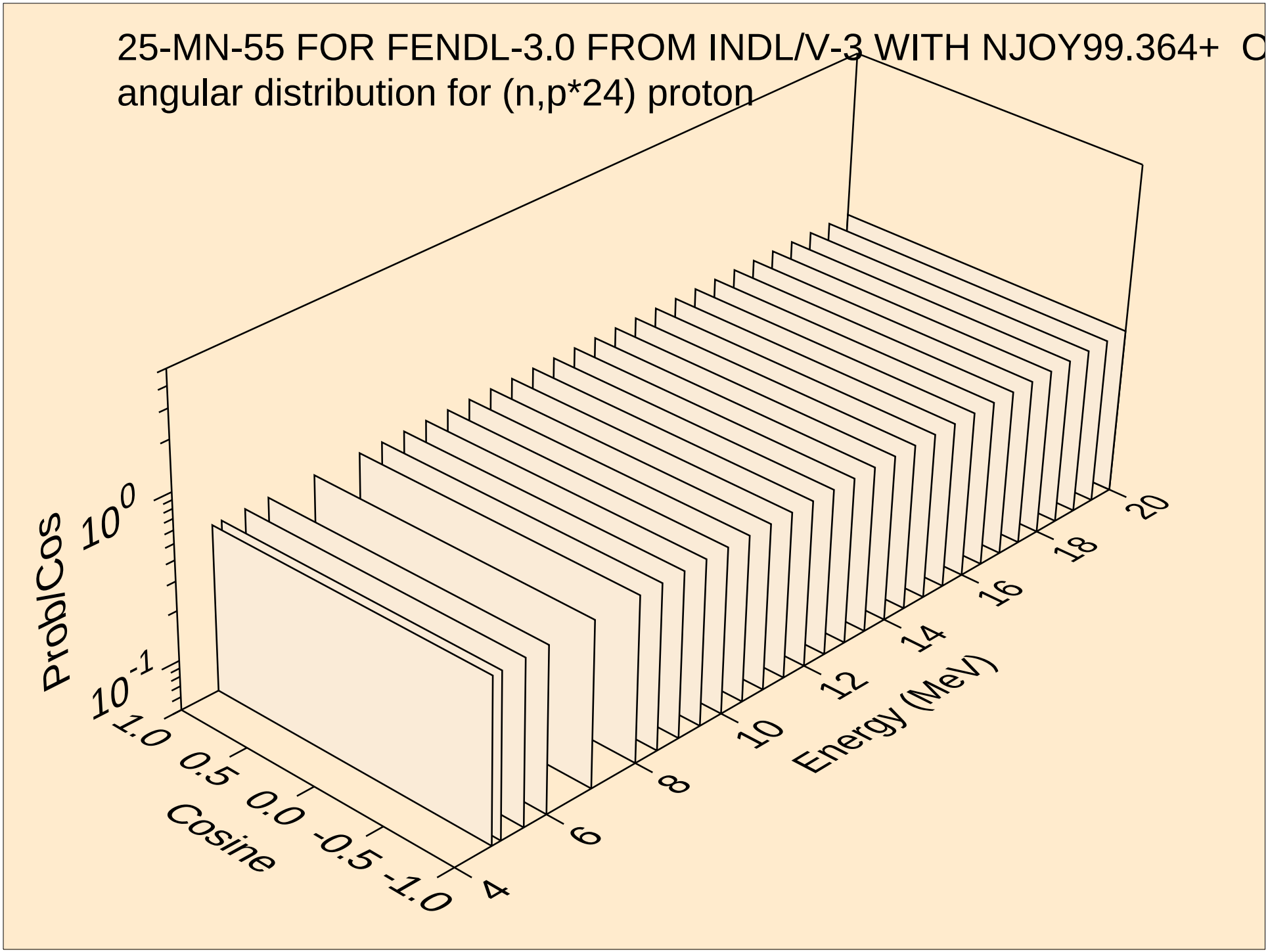

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*21) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

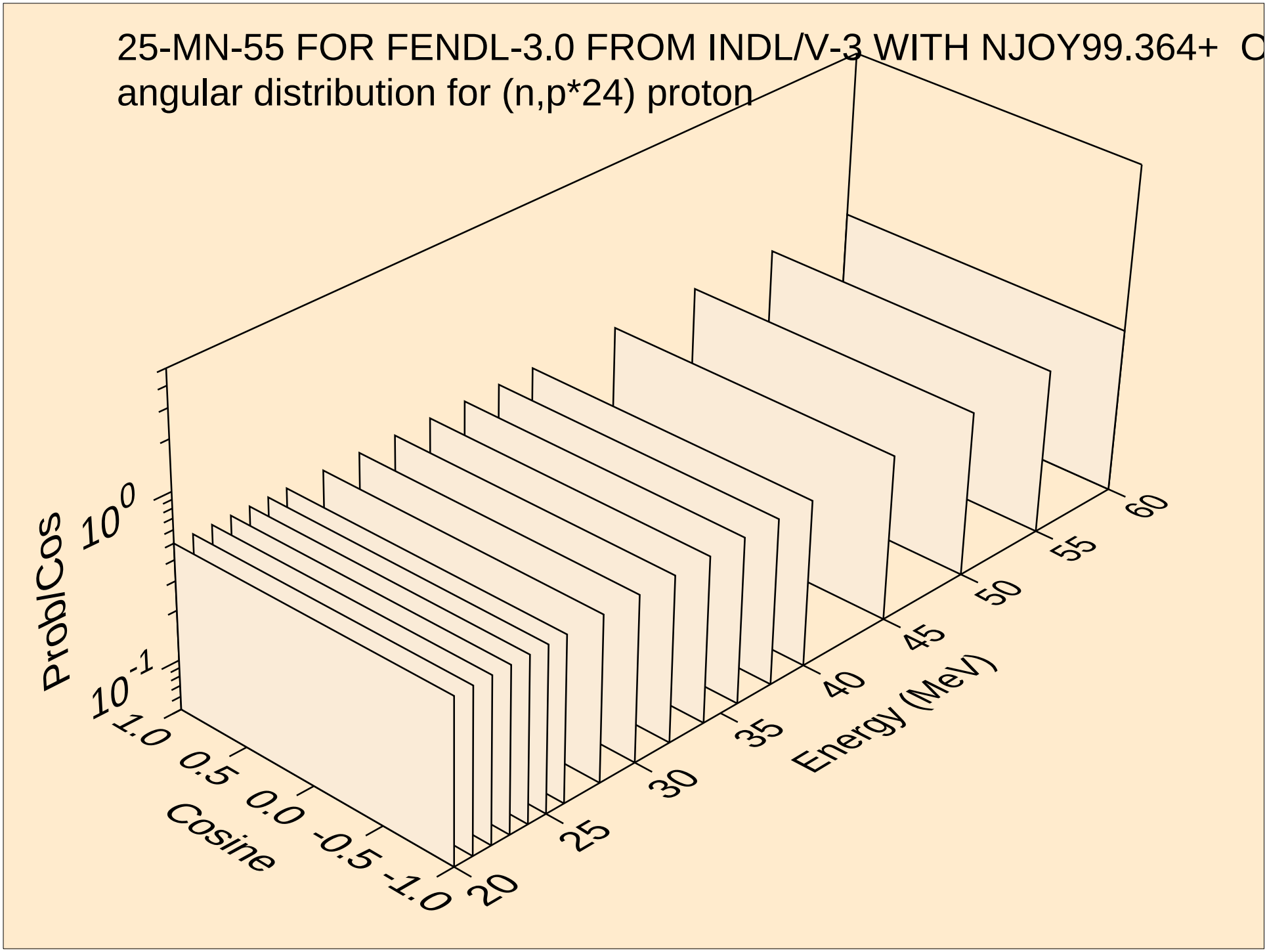

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*22) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

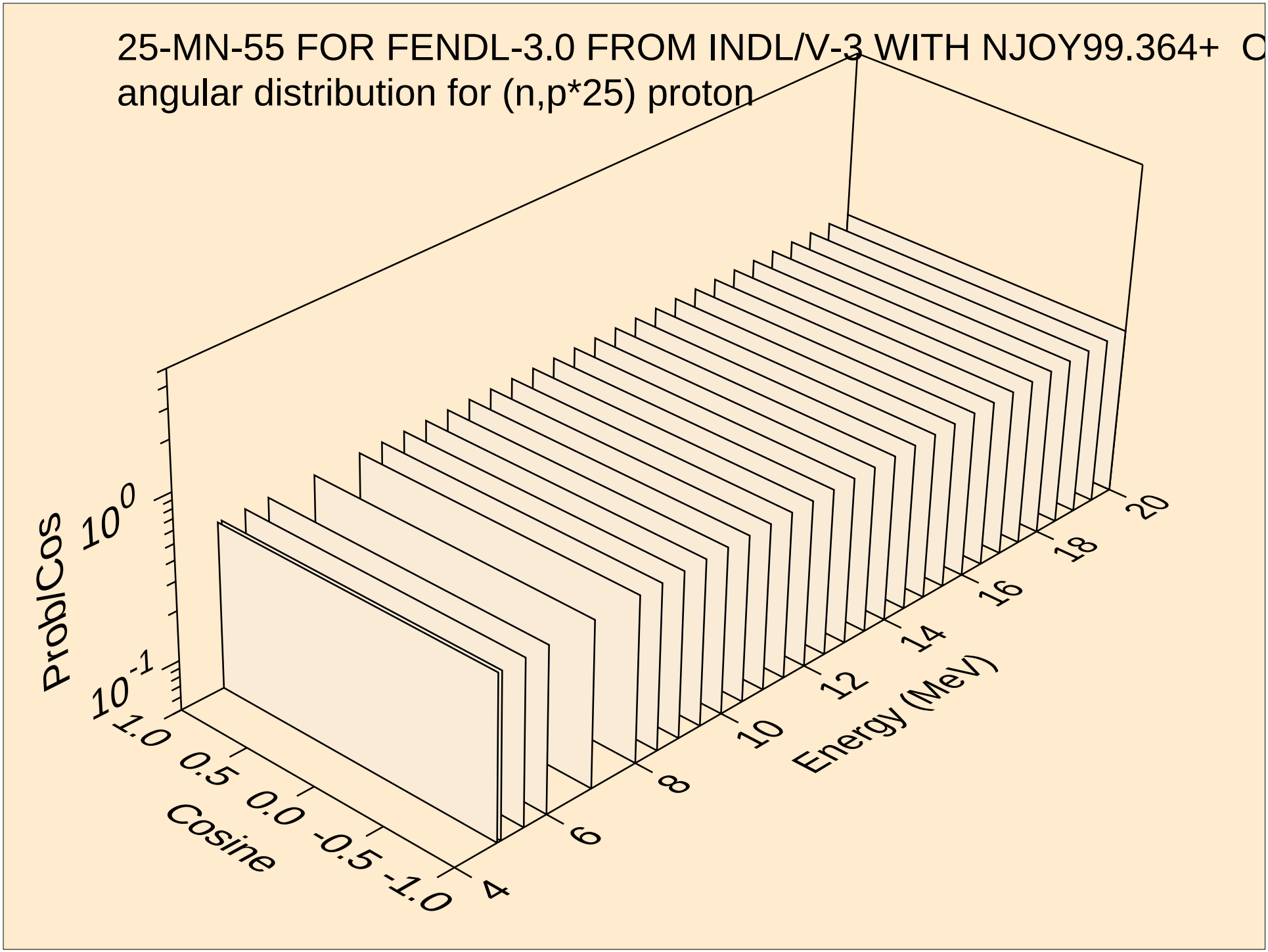

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*22) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

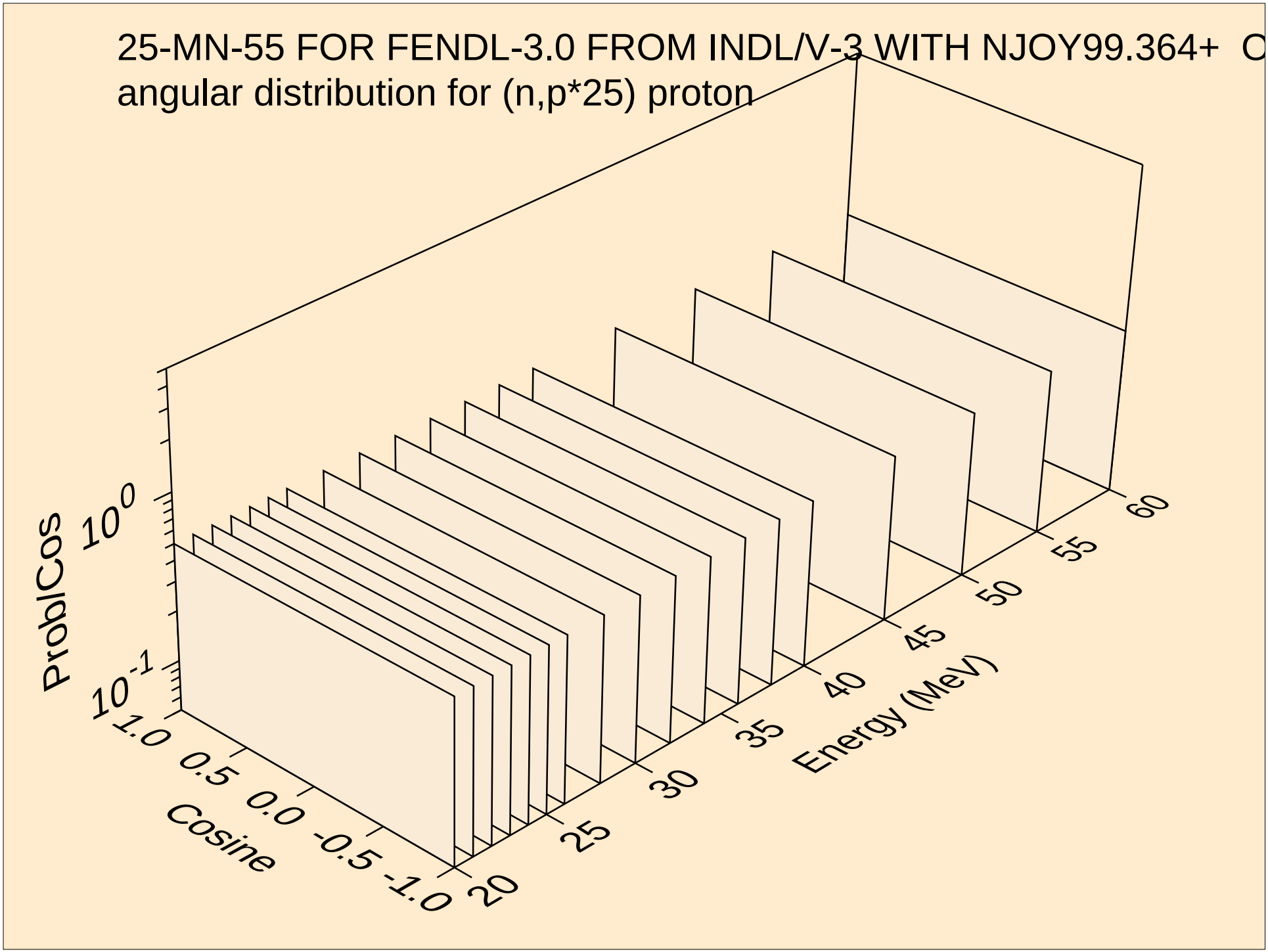

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*23) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

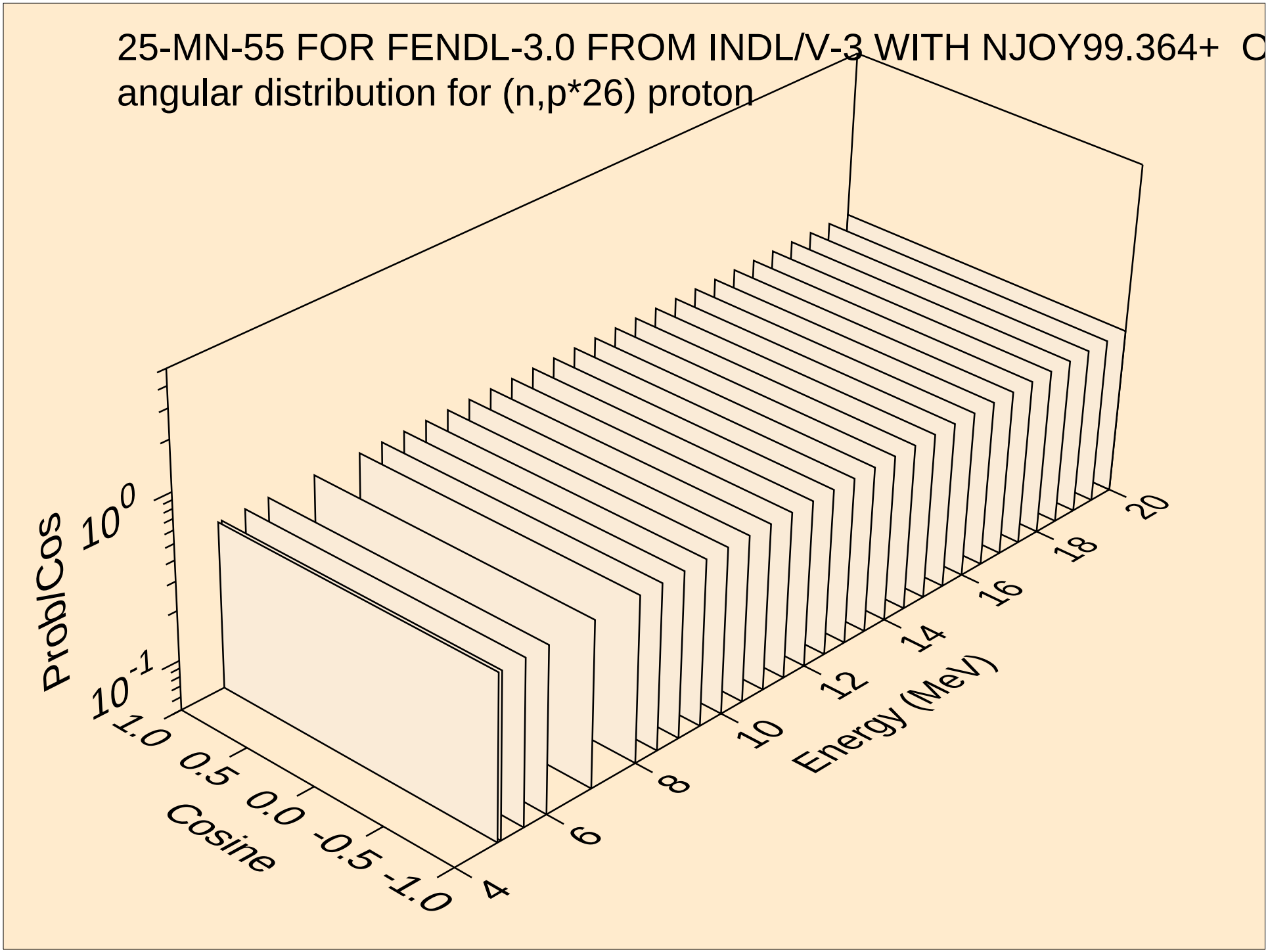

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*23) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

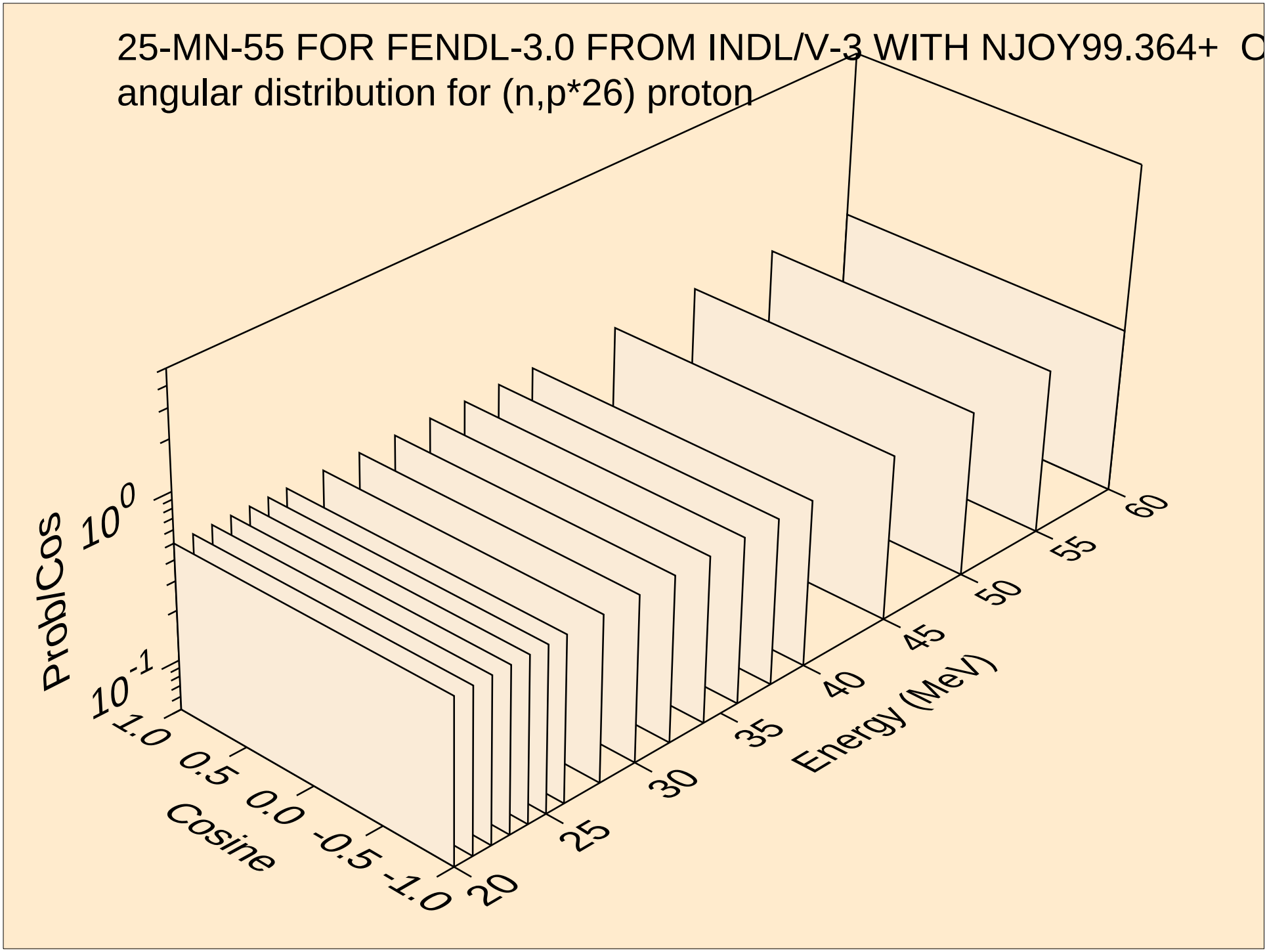

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*24) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

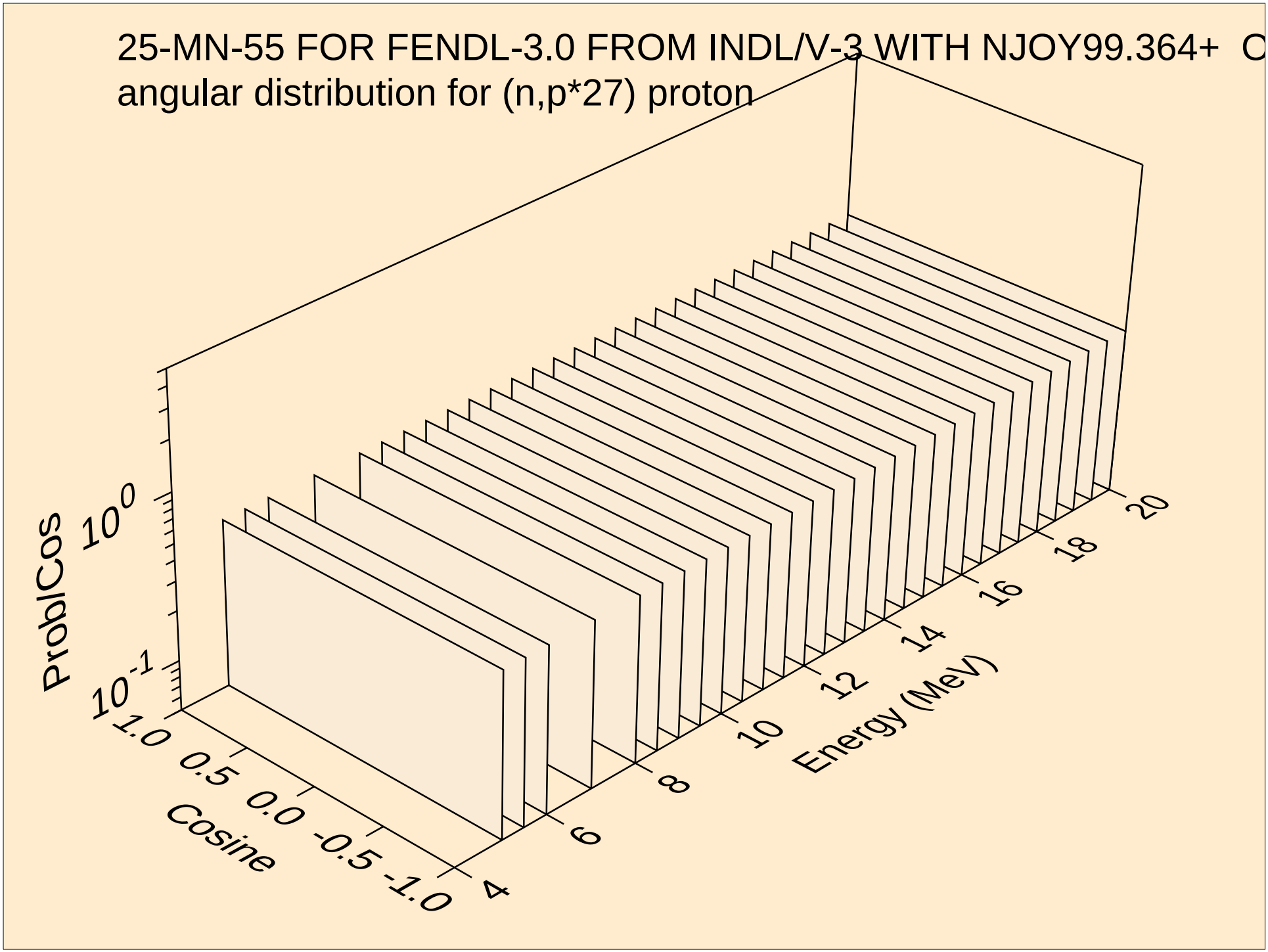

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*24) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

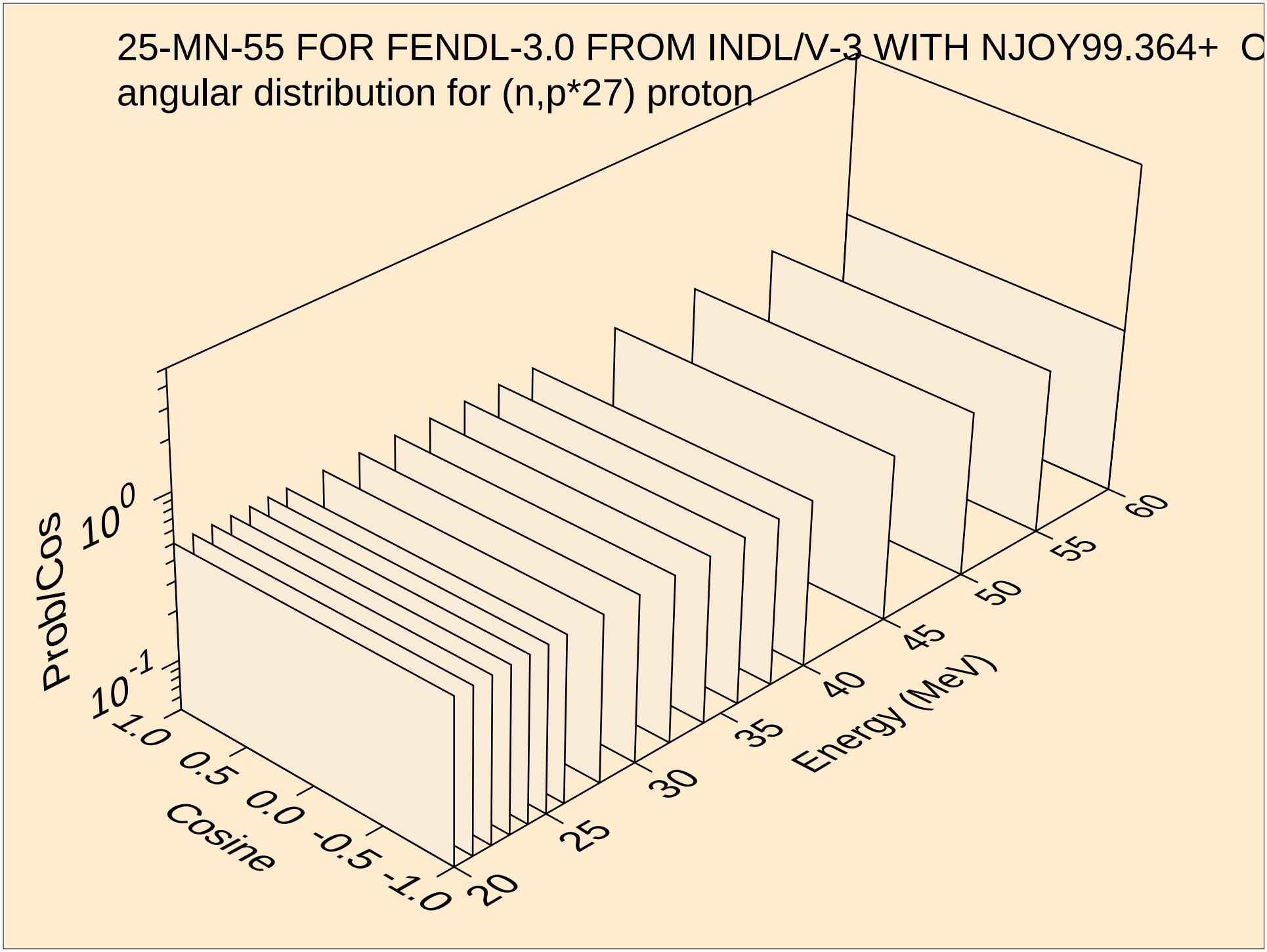

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*25) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

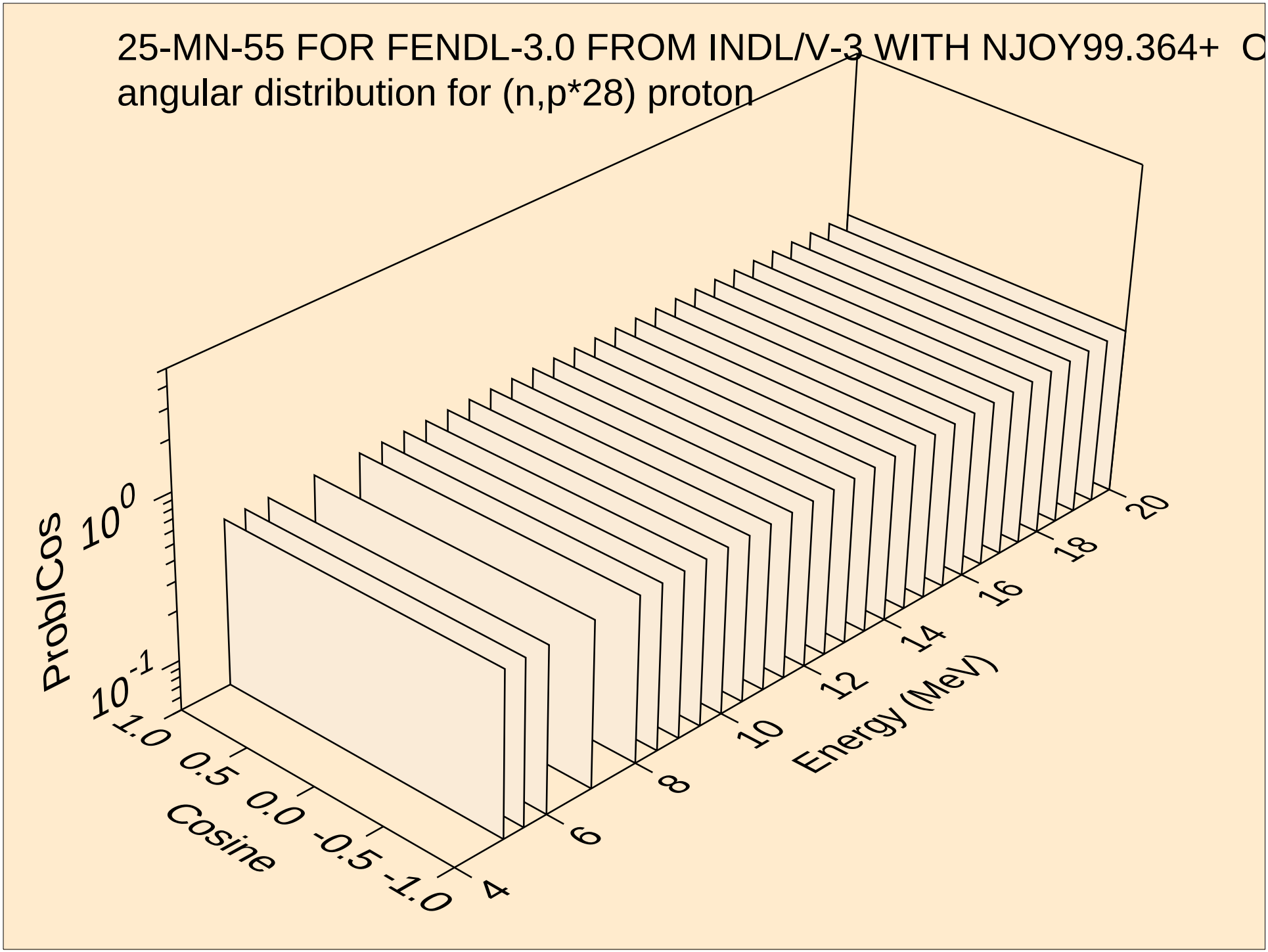

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*25) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

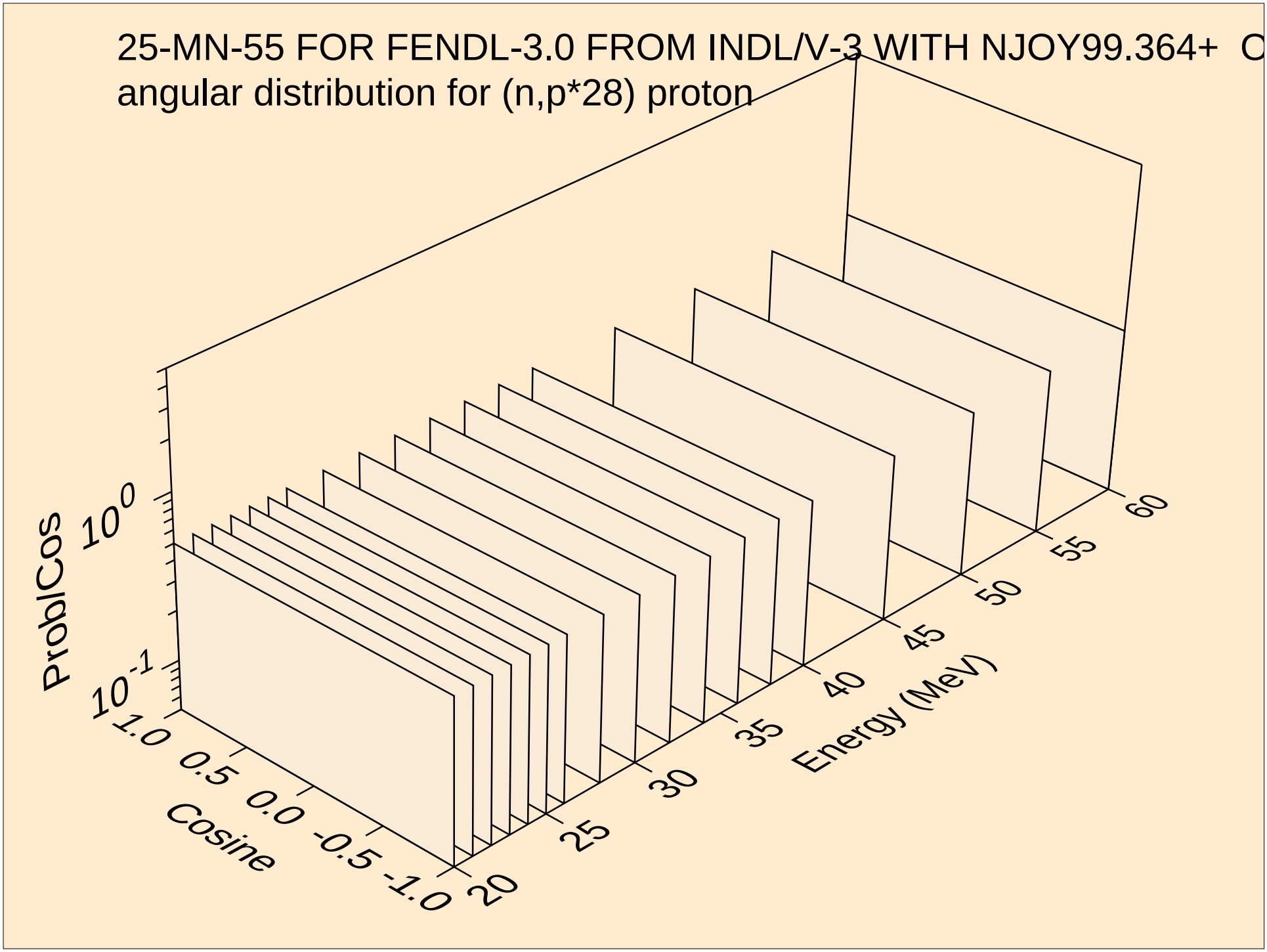

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*26) proton
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

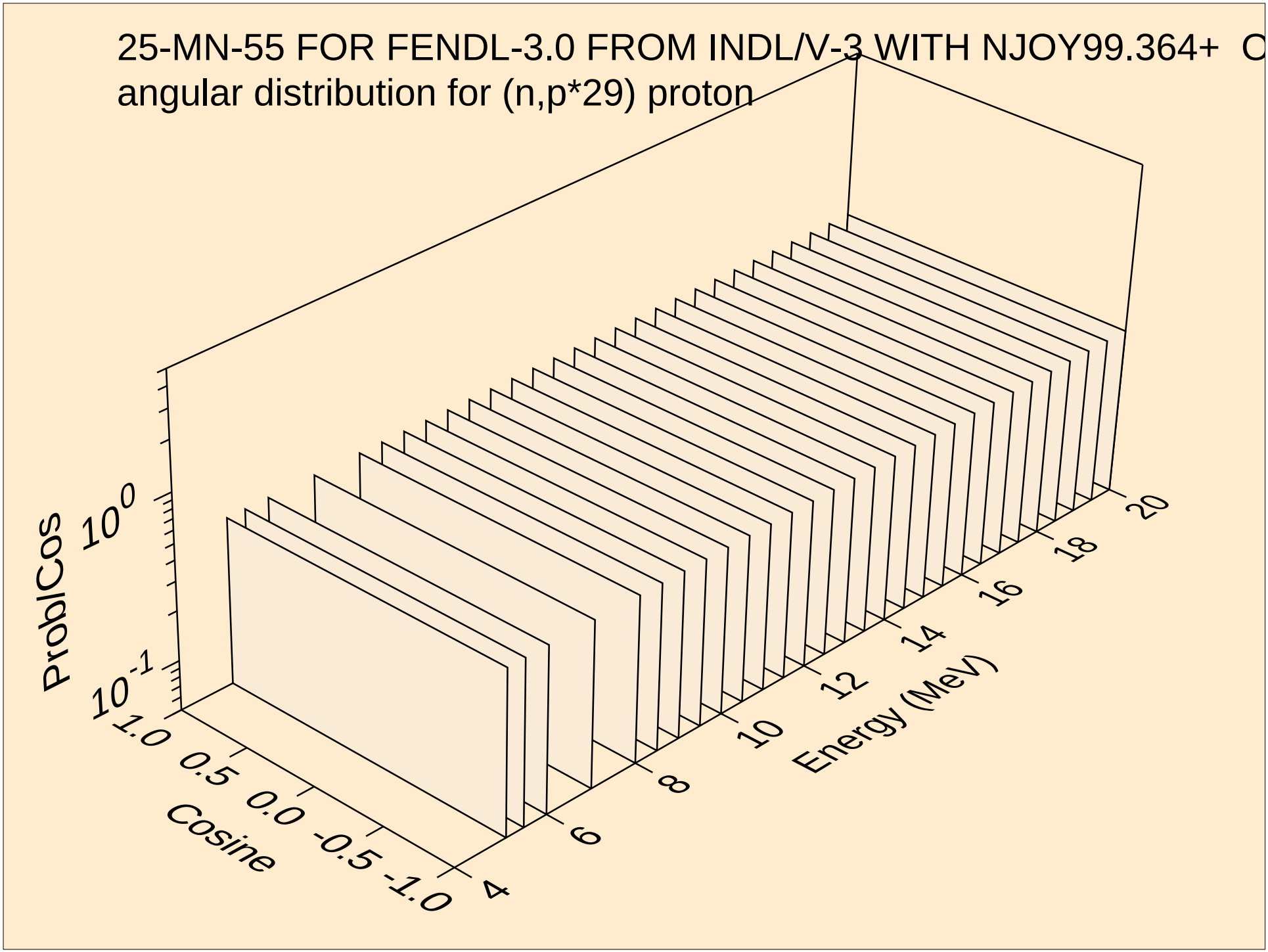

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*26) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

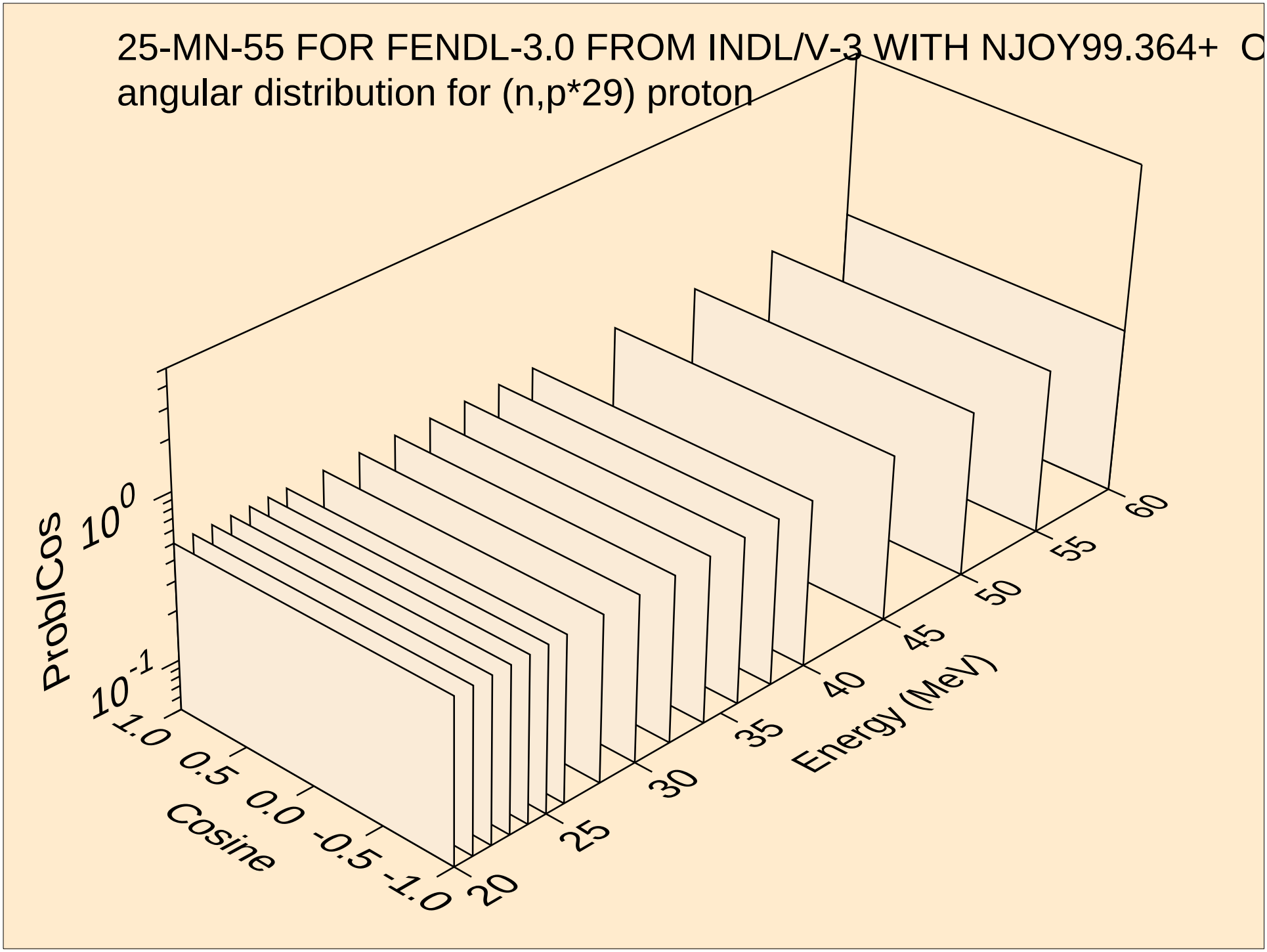

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*27) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

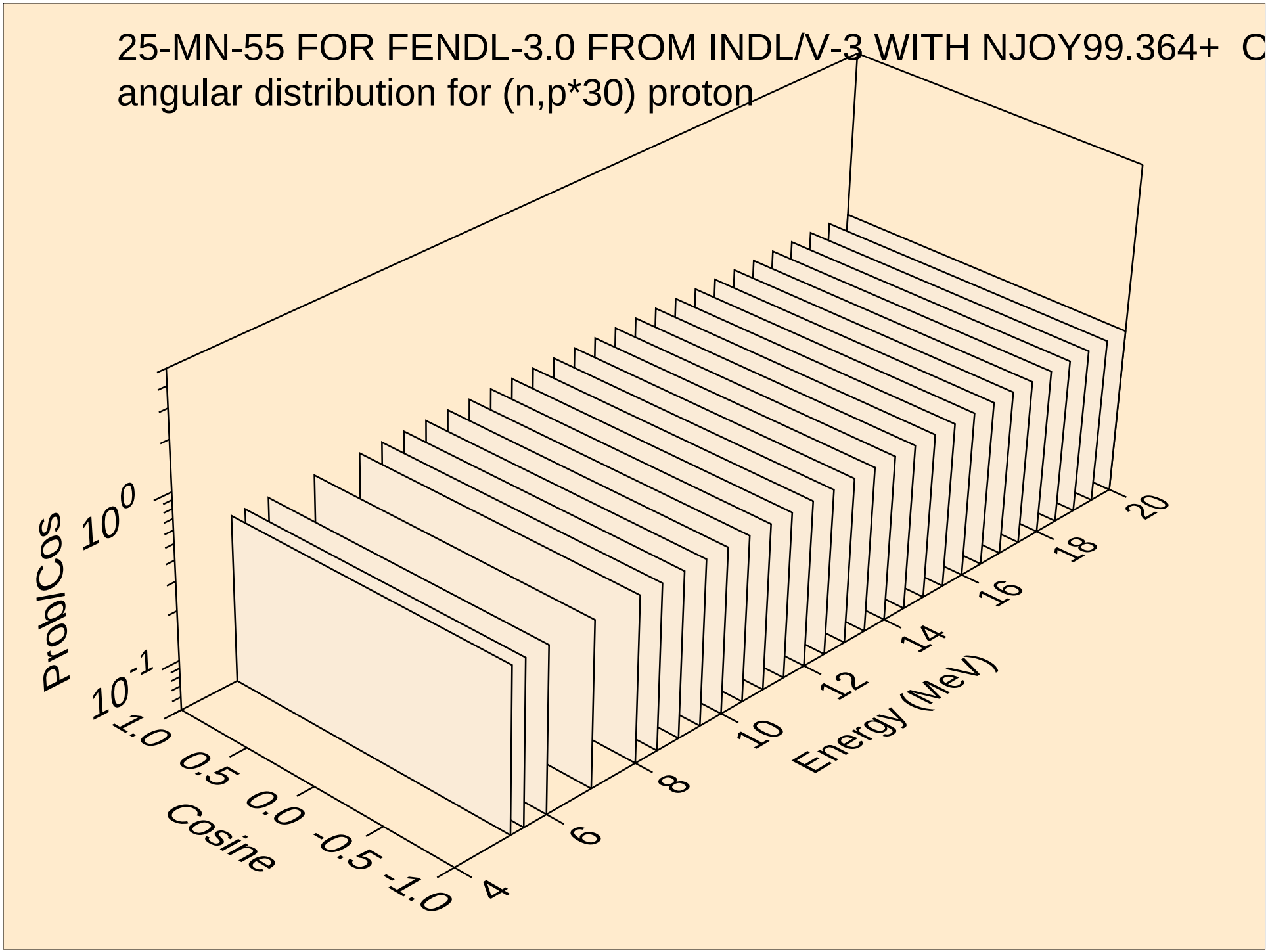

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*27) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

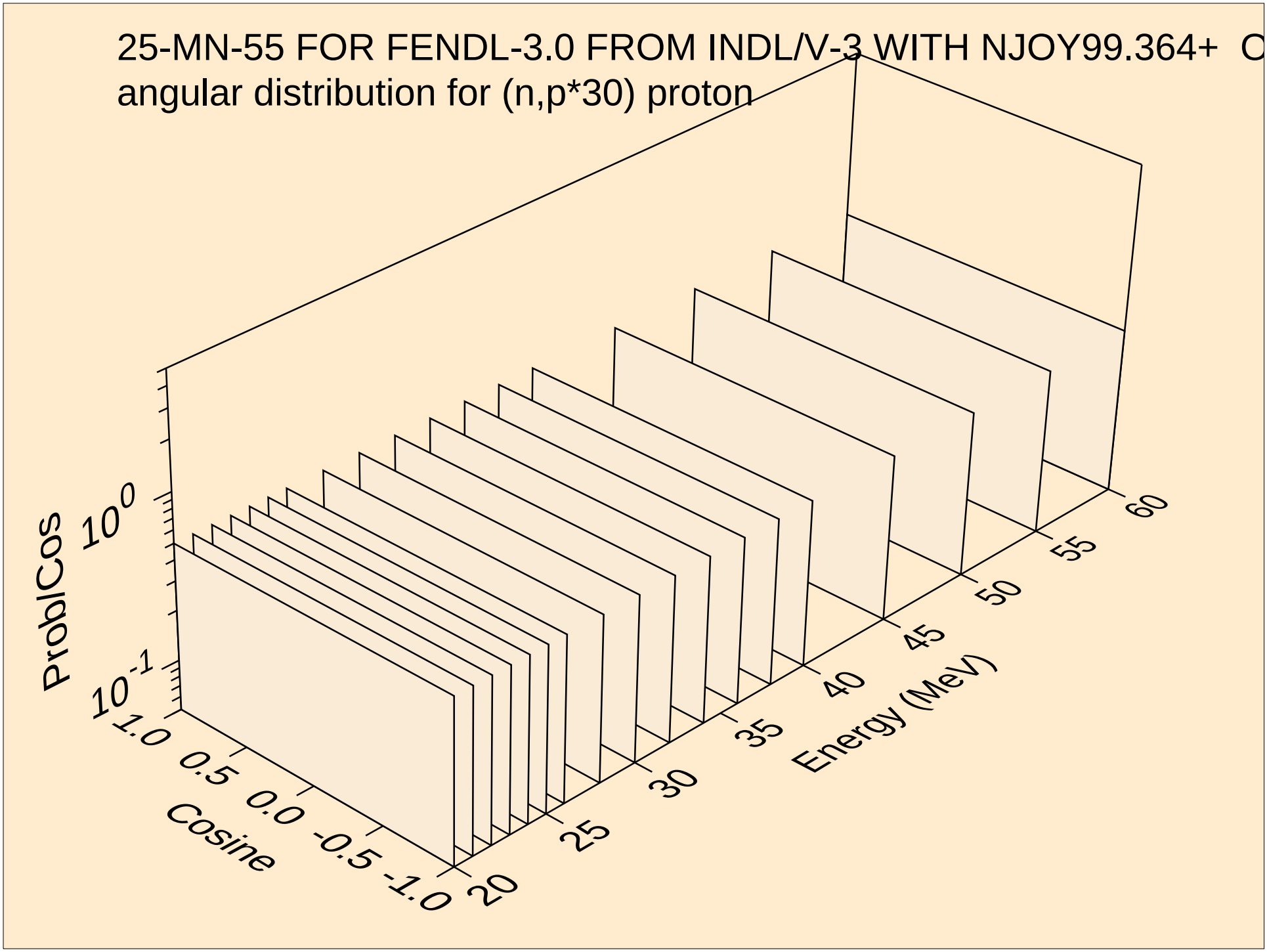

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*28) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

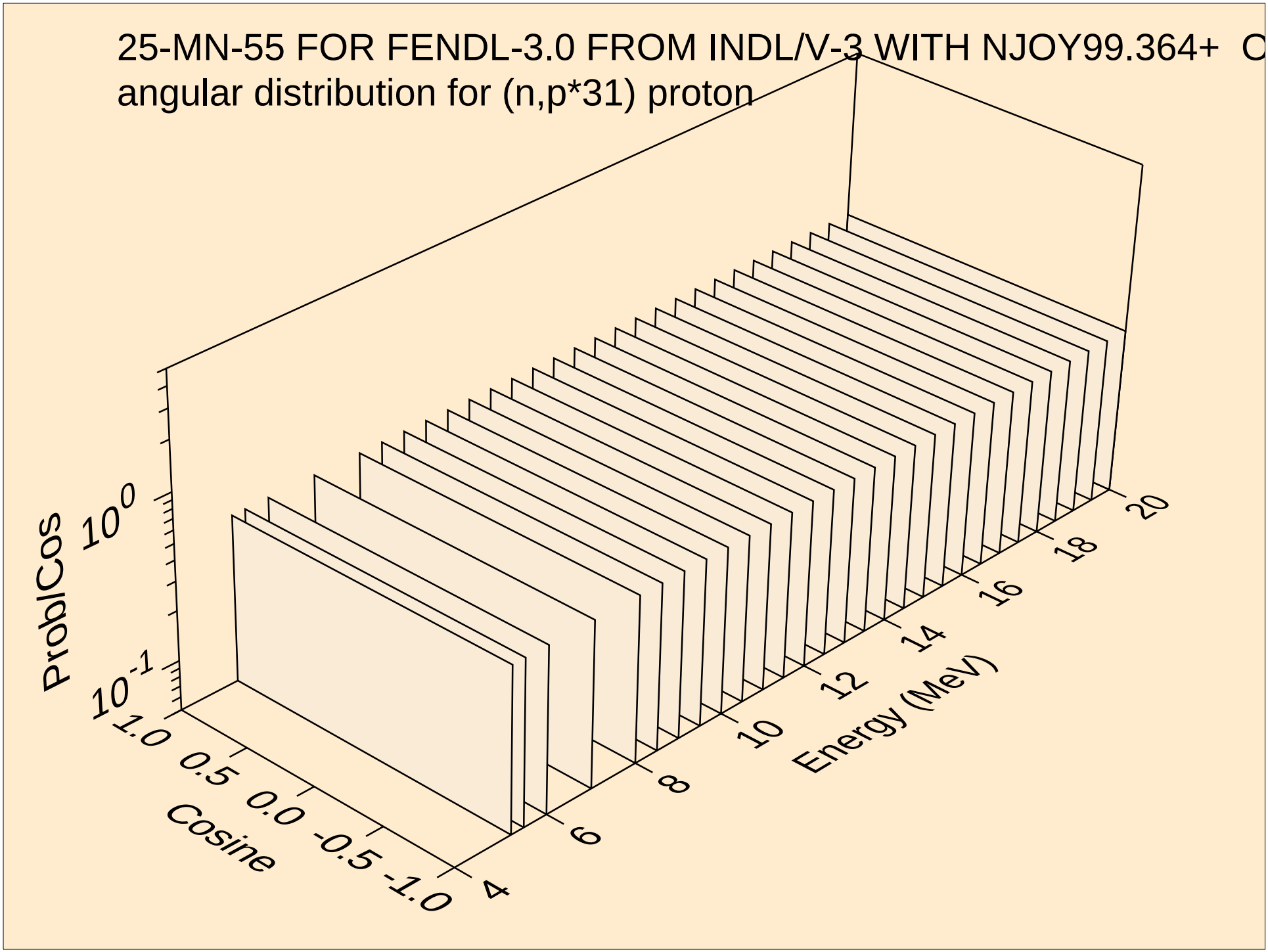

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*28) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

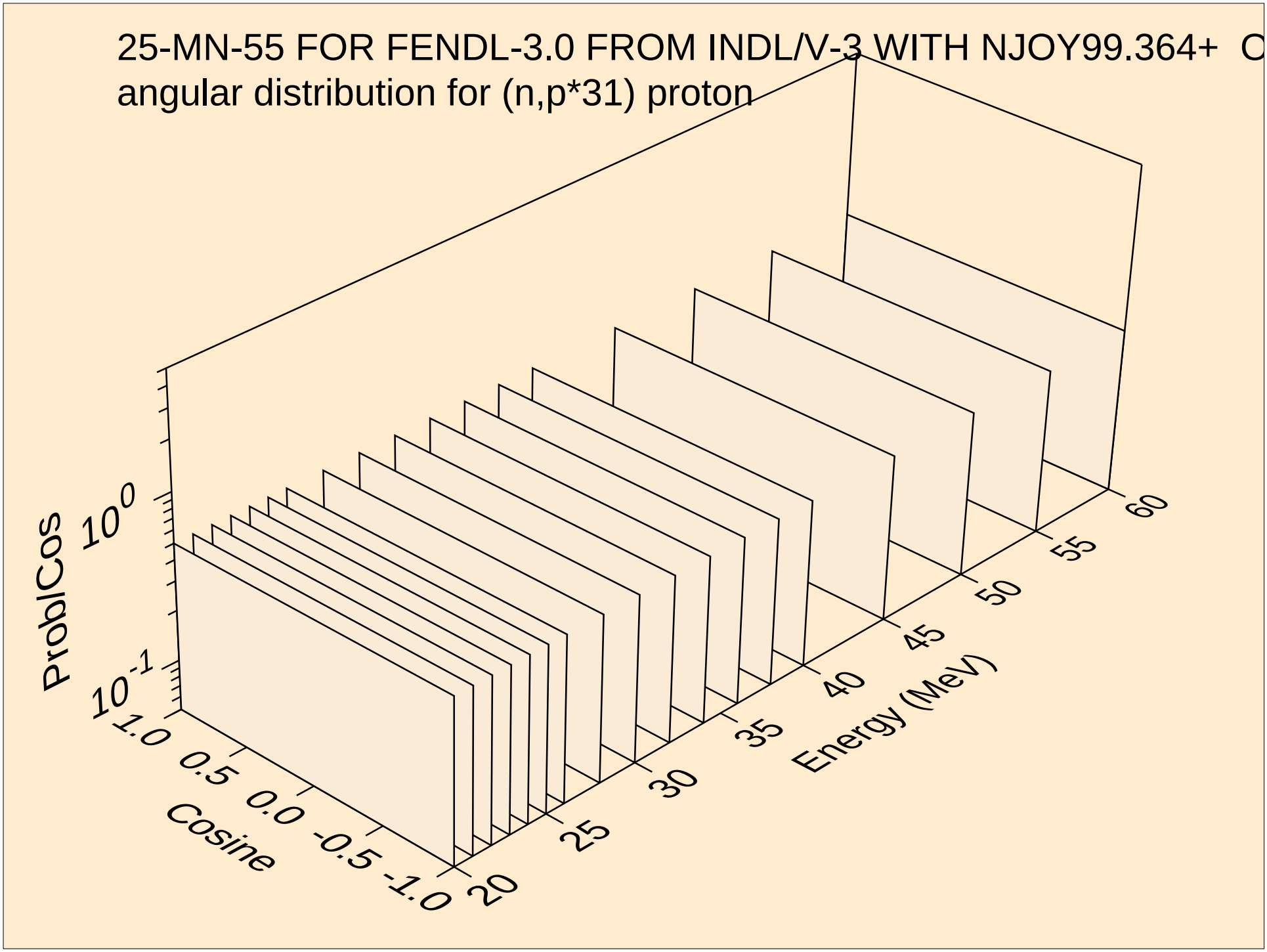

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*29) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

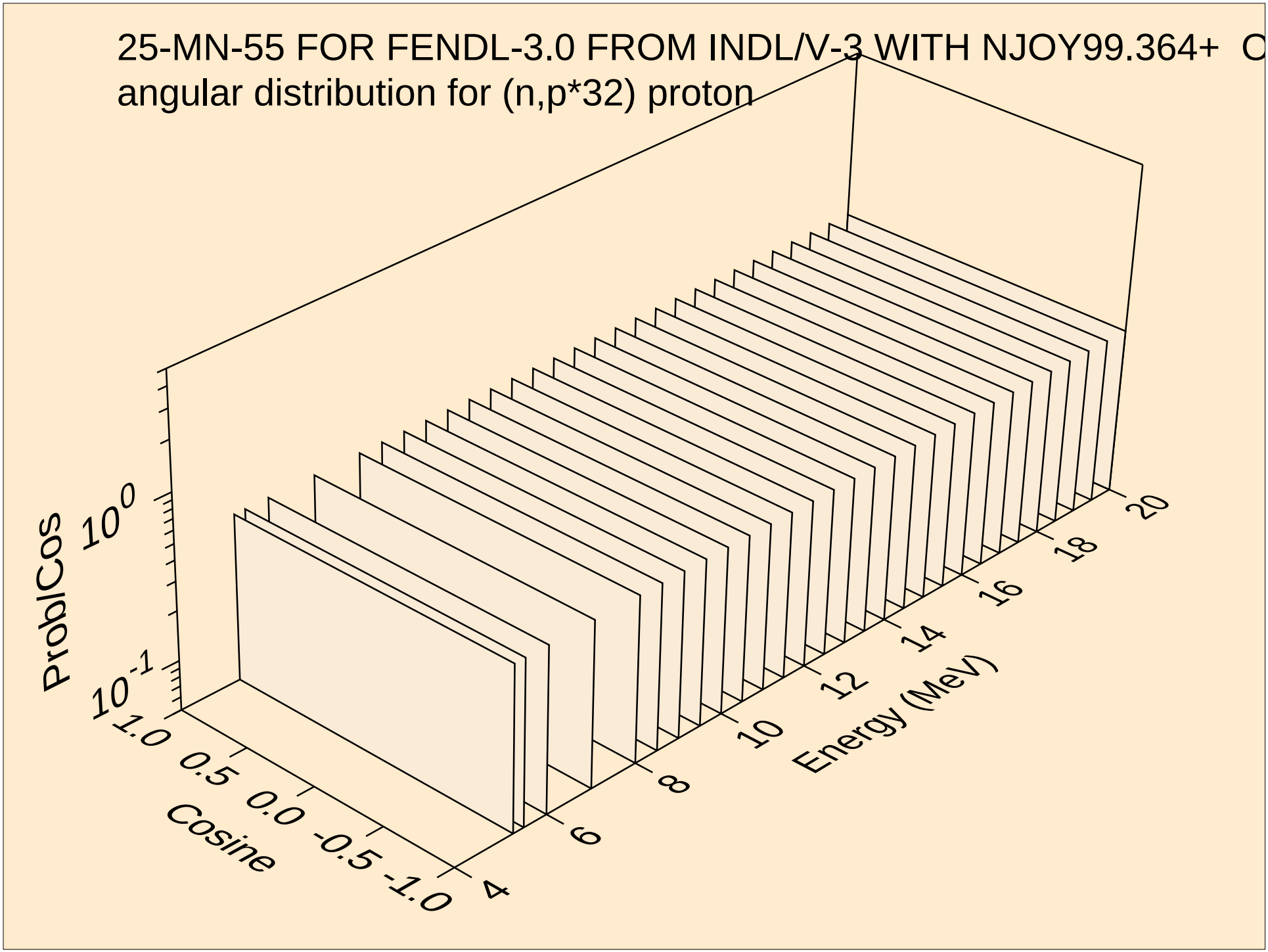

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*29) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

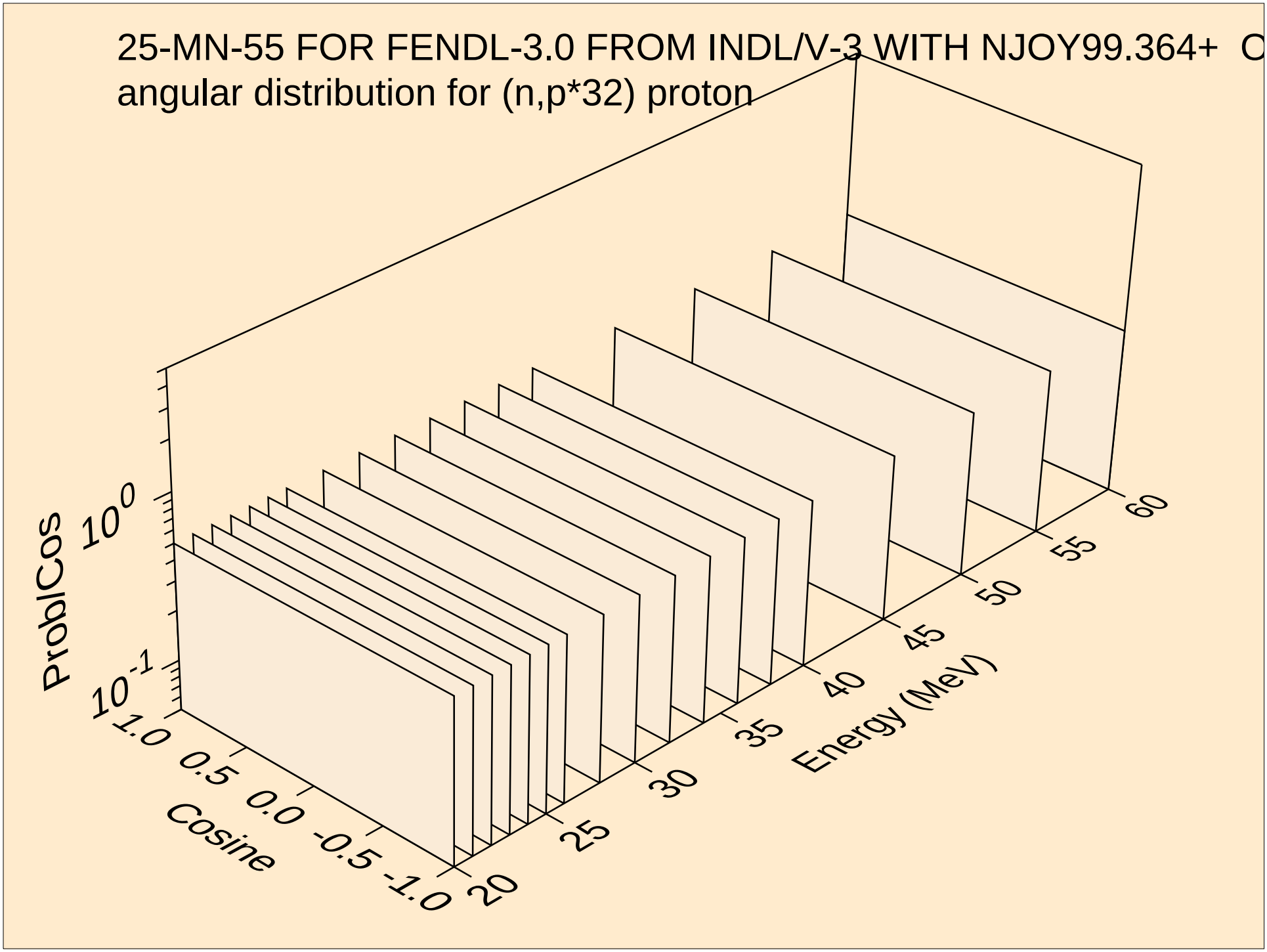

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*30) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

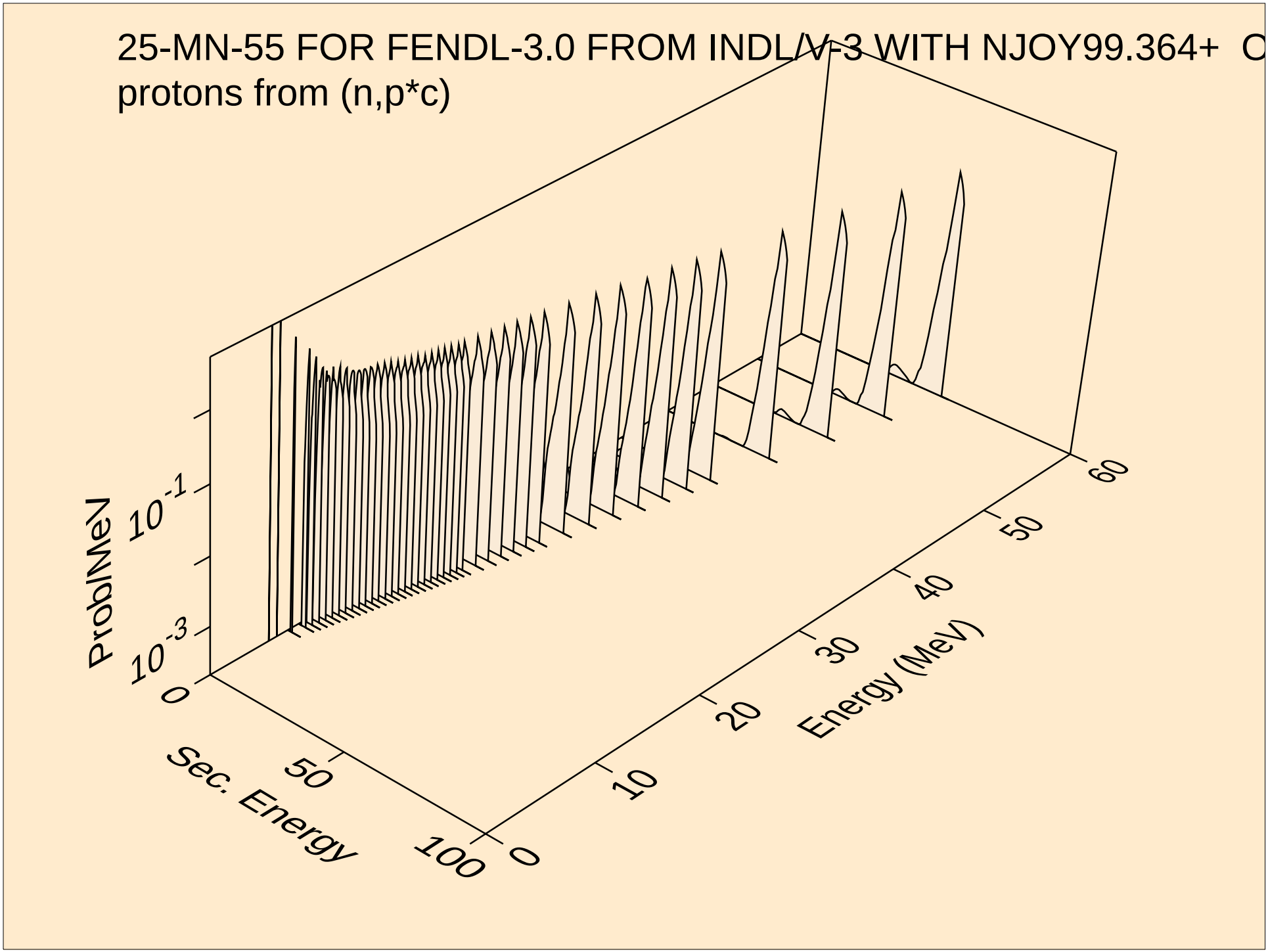

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*30) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

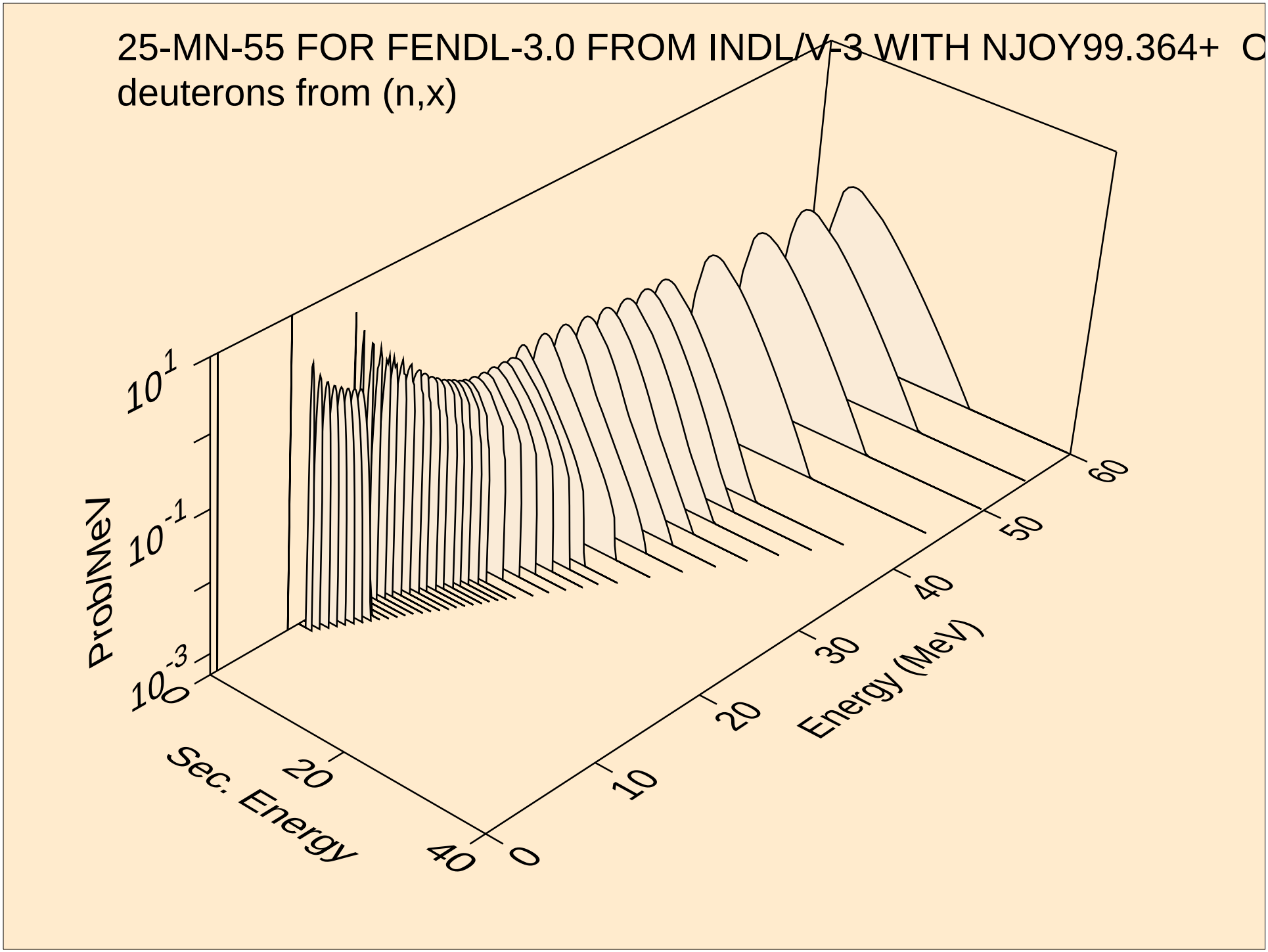

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*31) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

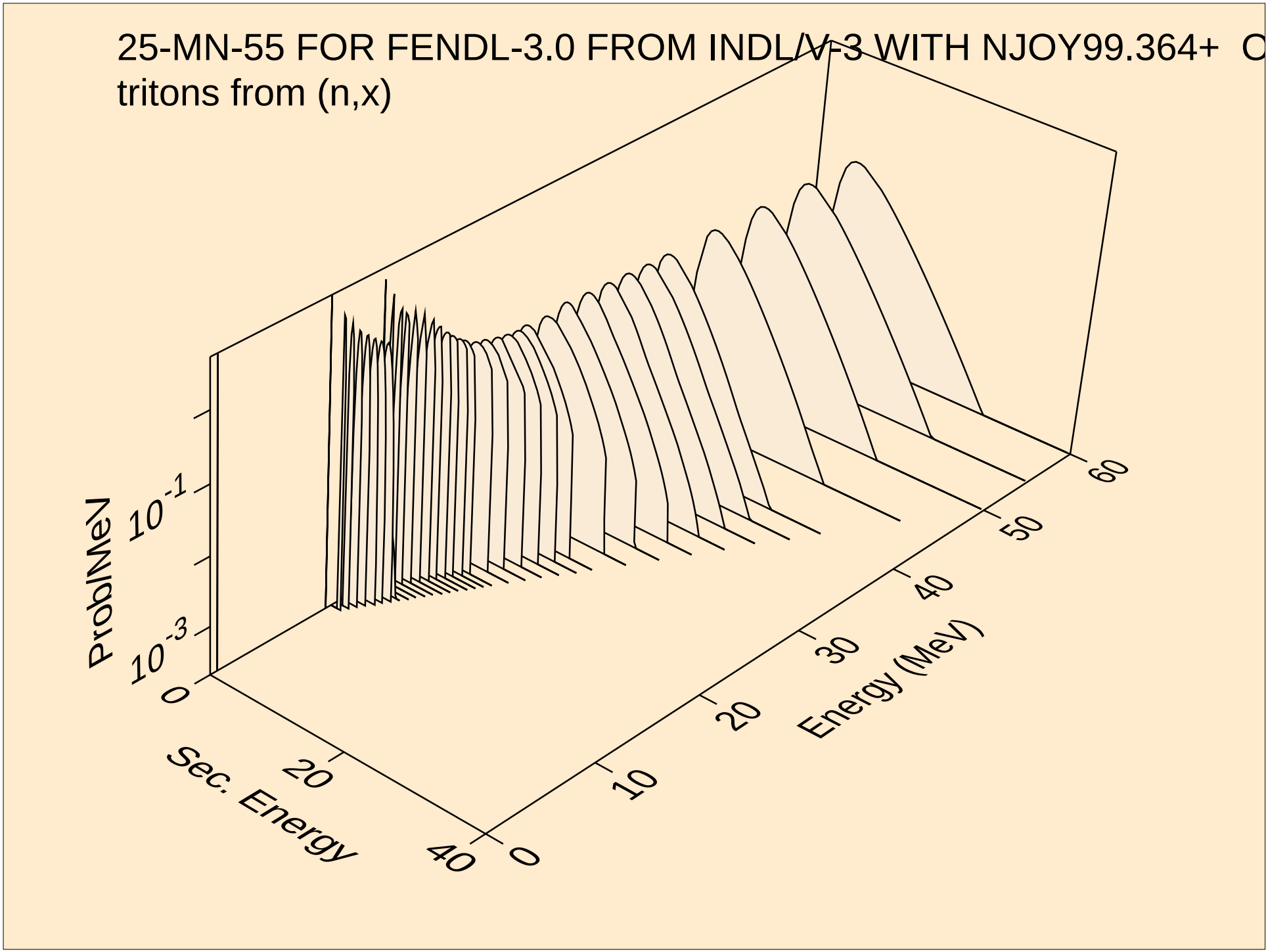

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*31) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)

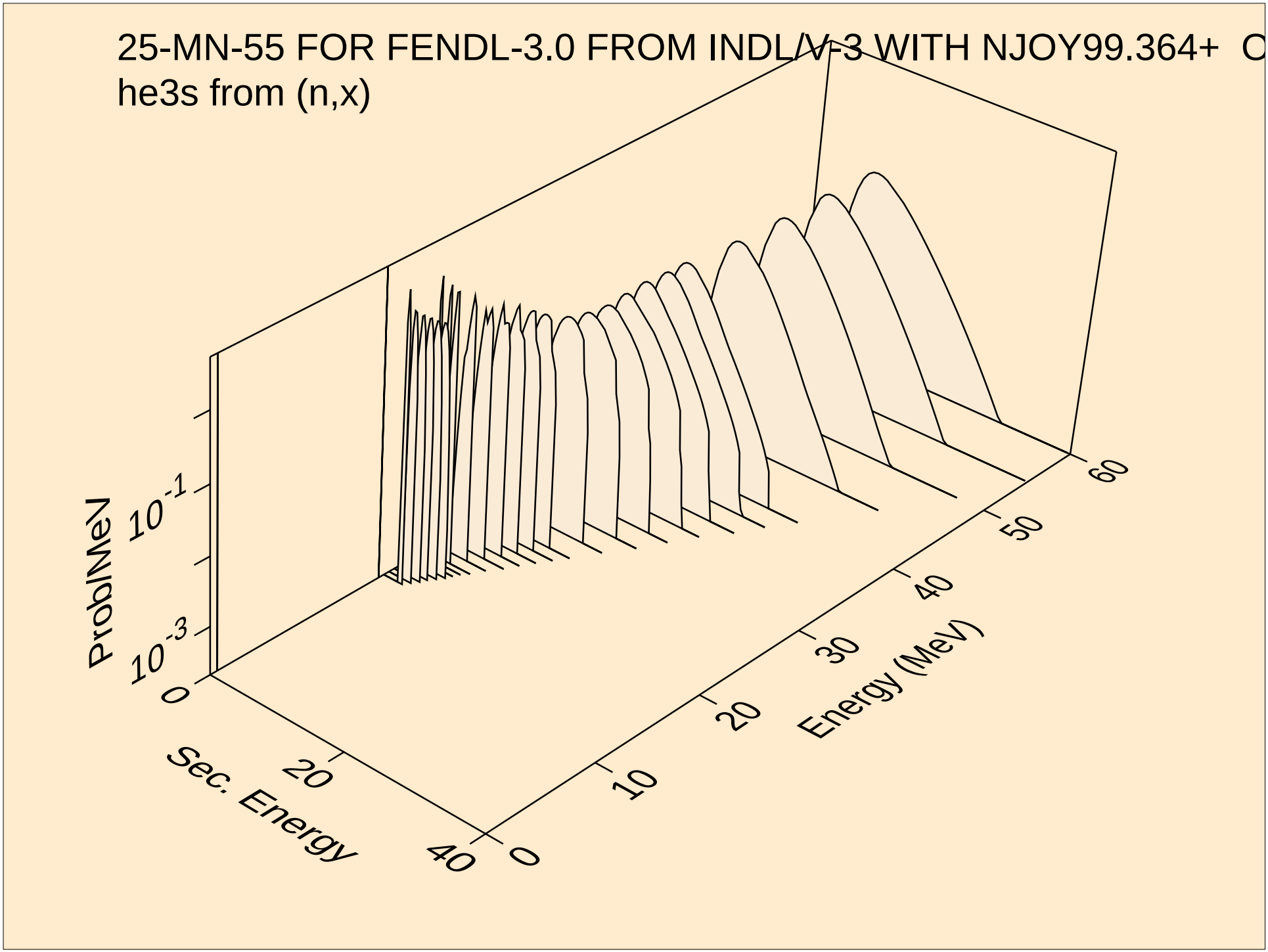

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*32) proton
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
4
6
8
10
12
14
16
18
20
Energy (MeV)

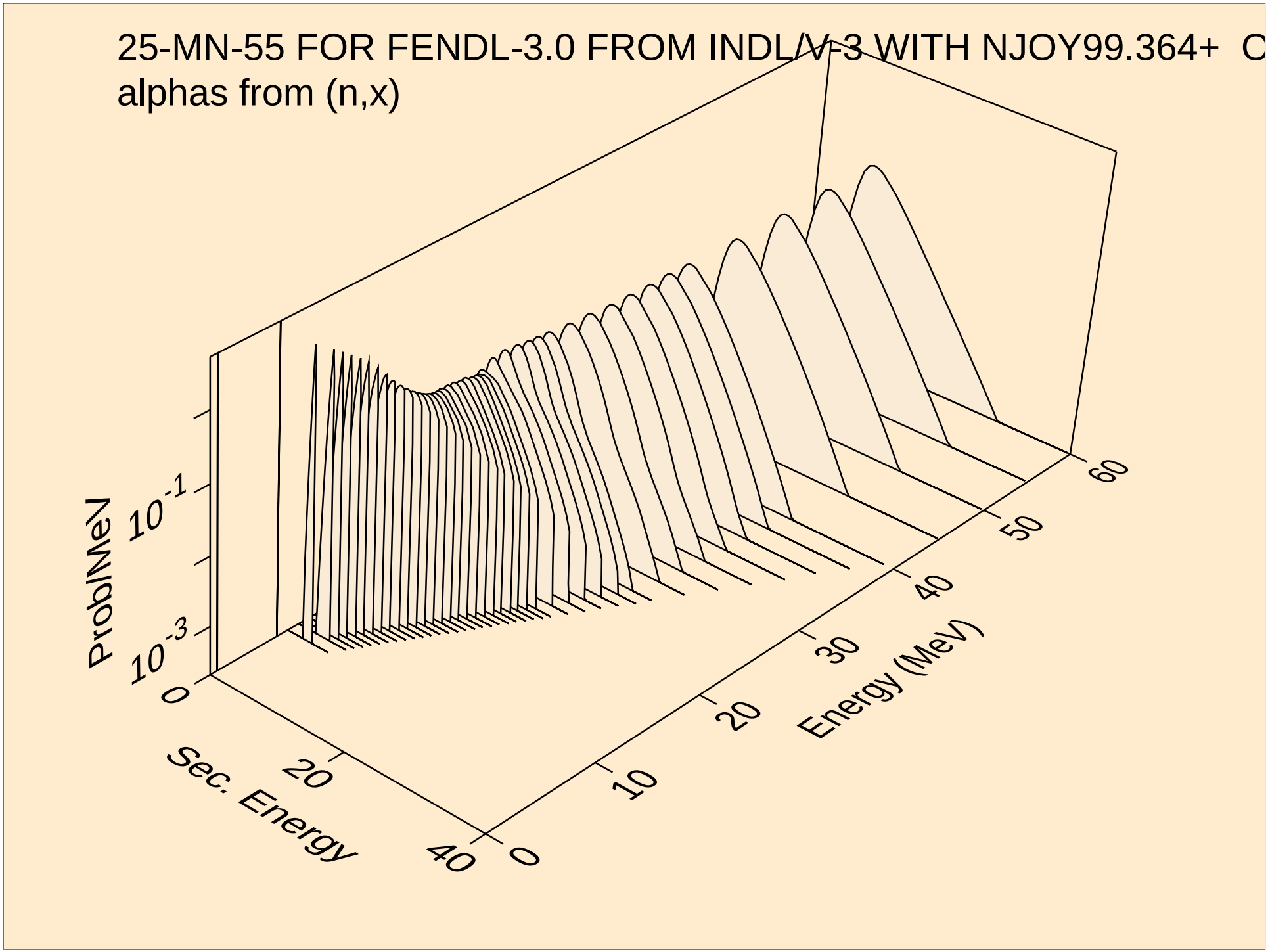

25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
angular distribution for (n,p*32) proton
ProbICos
10^0
10^-1
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
25
30
35
40
45
50
55
60
Energy (MeV)


25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
protons from (n,p*c)
Prob/MeV
10-1
10-3
0
Sec. Energy
50
100
0
10
20
30
40
50
60
Energy (MeV)


25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
deuterons from (n,x)
Prob/MeV
10^1
10^-1
10^-3
0
20
40
Sec. Energy
0
10
20
30
40
50
60
Energy (MeV)


25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
tritons from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
10
20
30
40
50
60
Energy (MeV)


25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
he3s from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
10
20
30
40
50
60
Energy (MeV)


25-MN-55 FOR FENDL-3.0 FROM INDL/V-3 WITH NJOY99.364+ C
alphas from (n,x)
Prob/MeV
10-1
10-3
0
Sec. Energy
20
40
0
10
20
30
40
50
60
Energy (MeV)