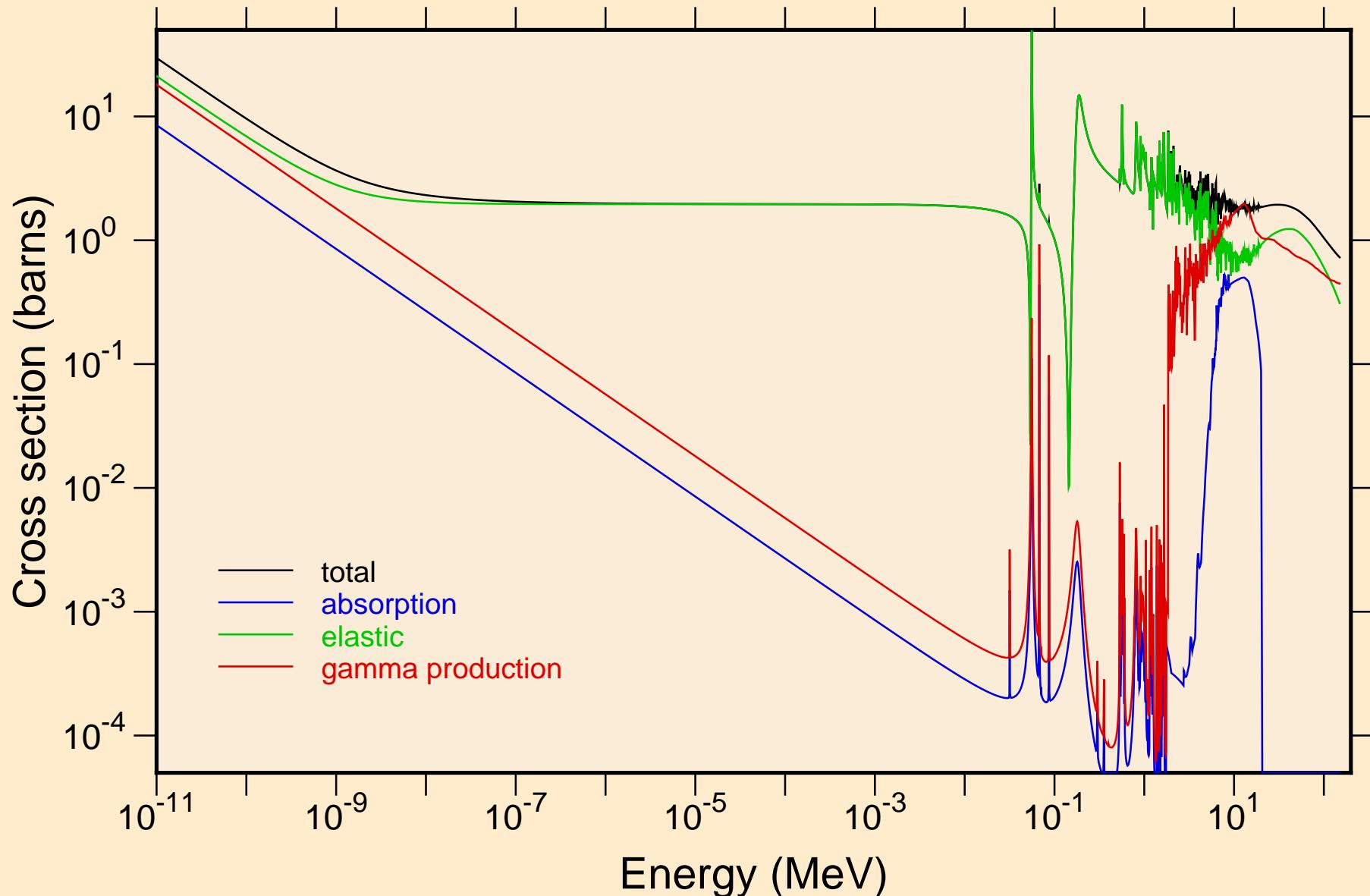
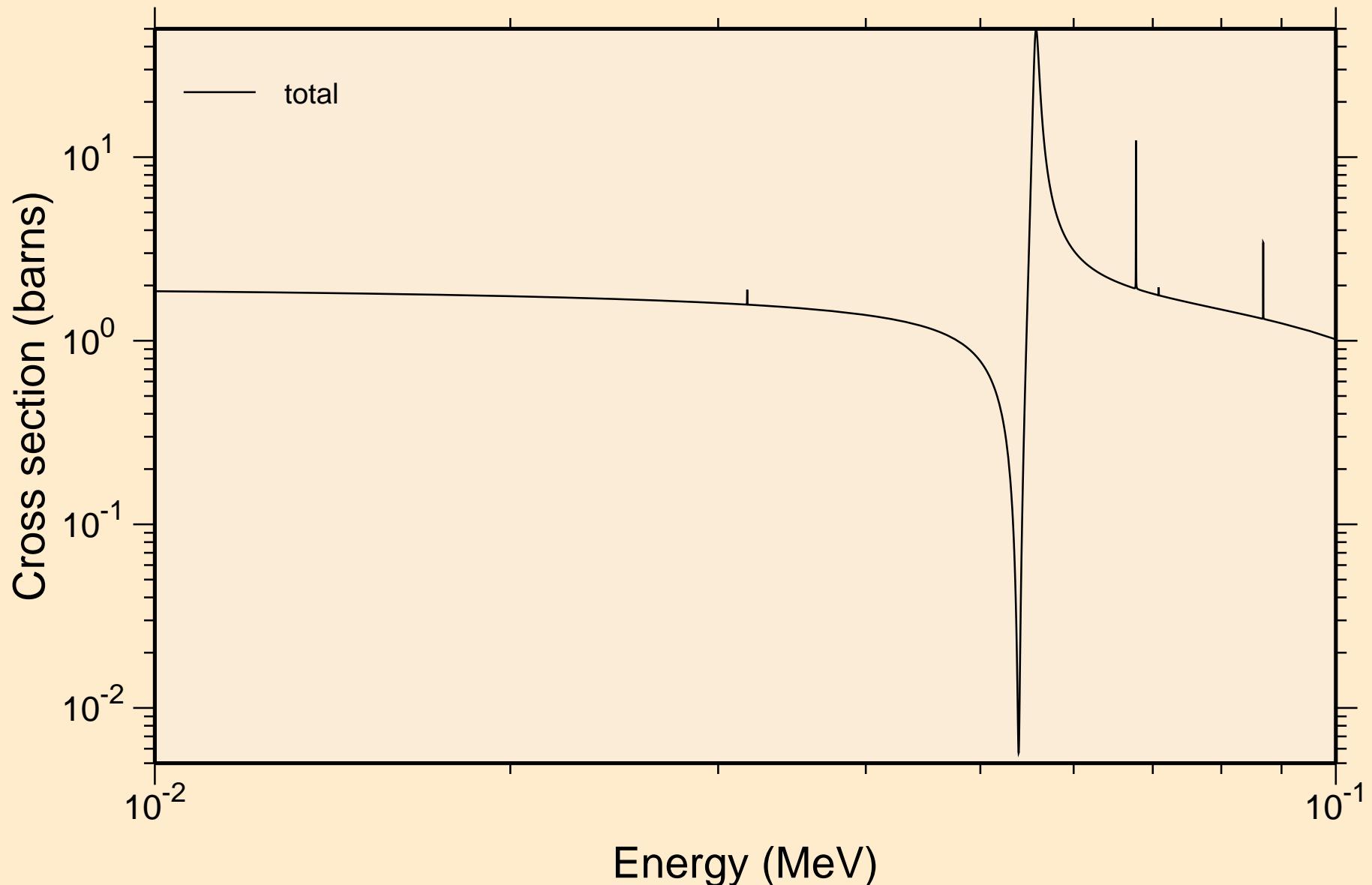


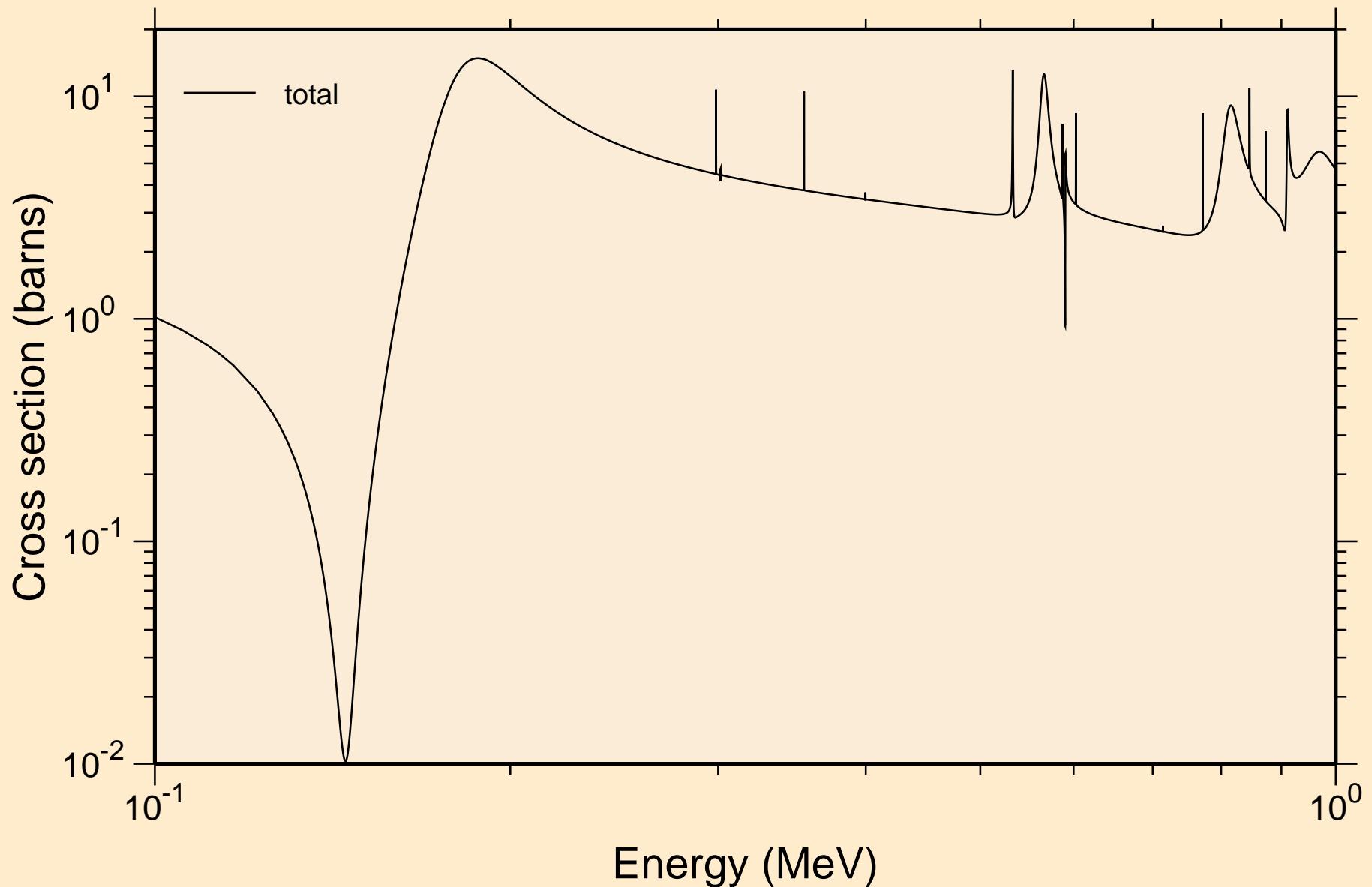
ENDF/B-VII SI-28
Principal cross sections



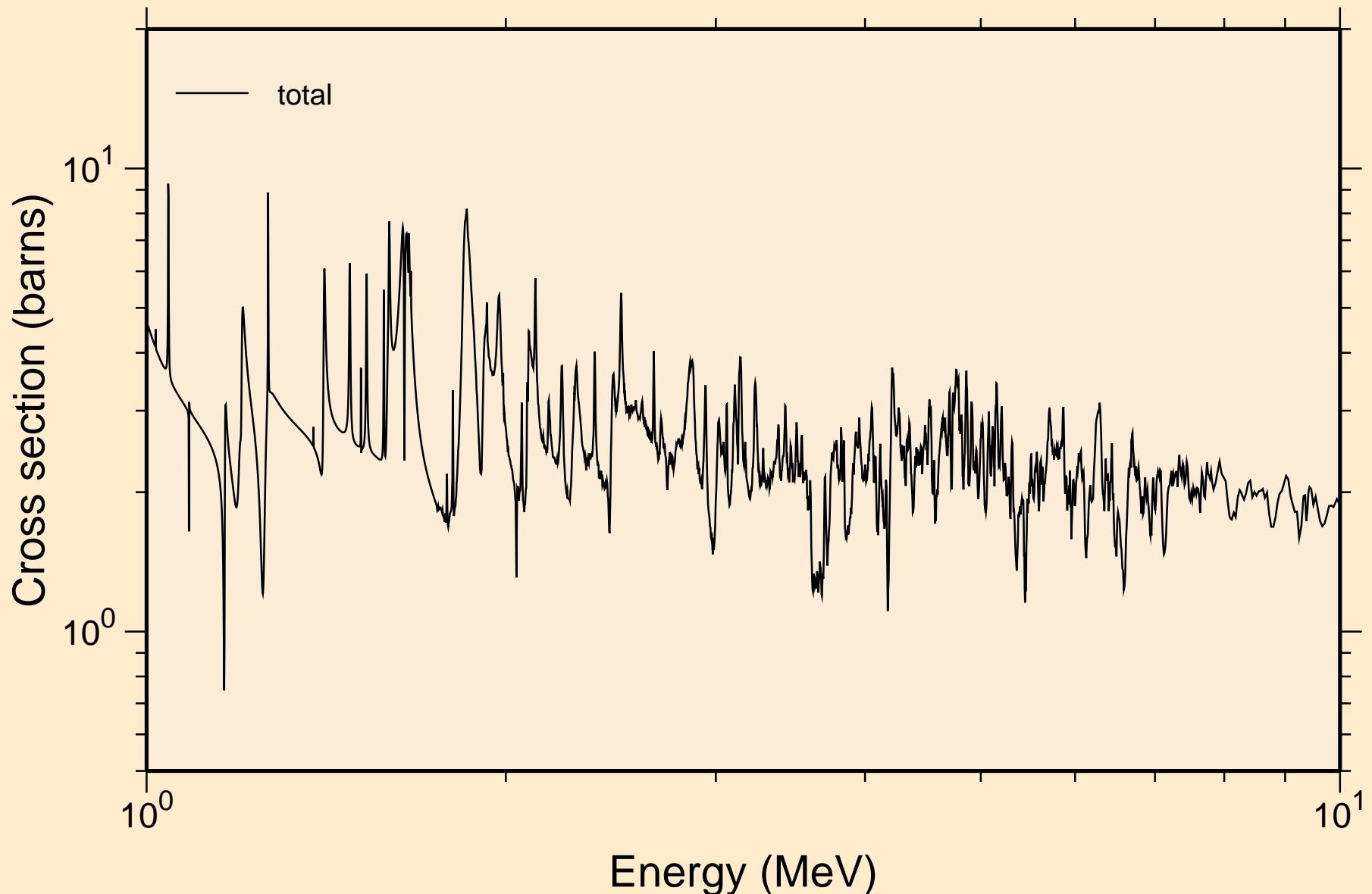
ENDF/B-VII SI-28
resonance total cross section



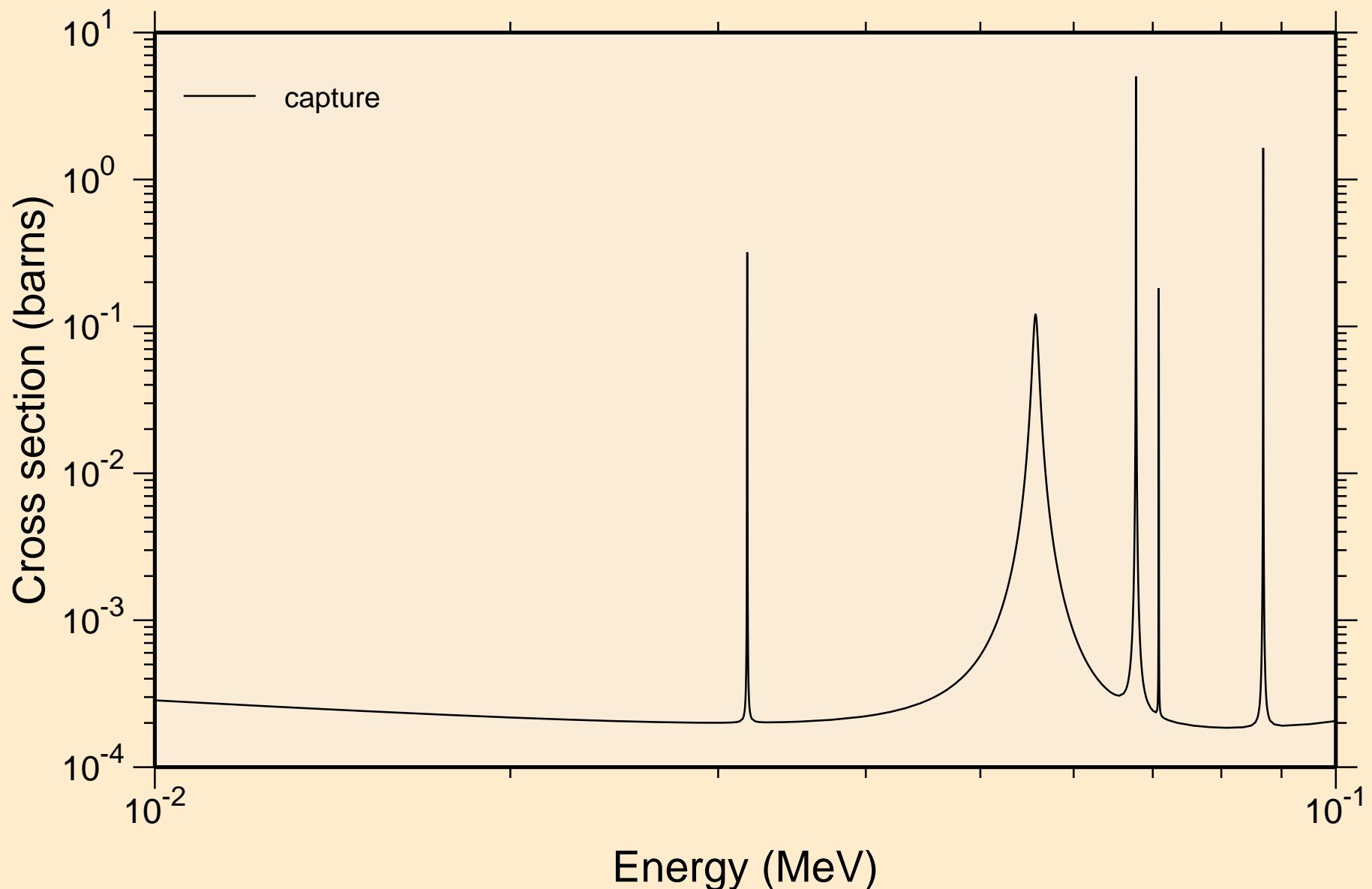
ENDF/B-VII SI-28
resonance total cross section



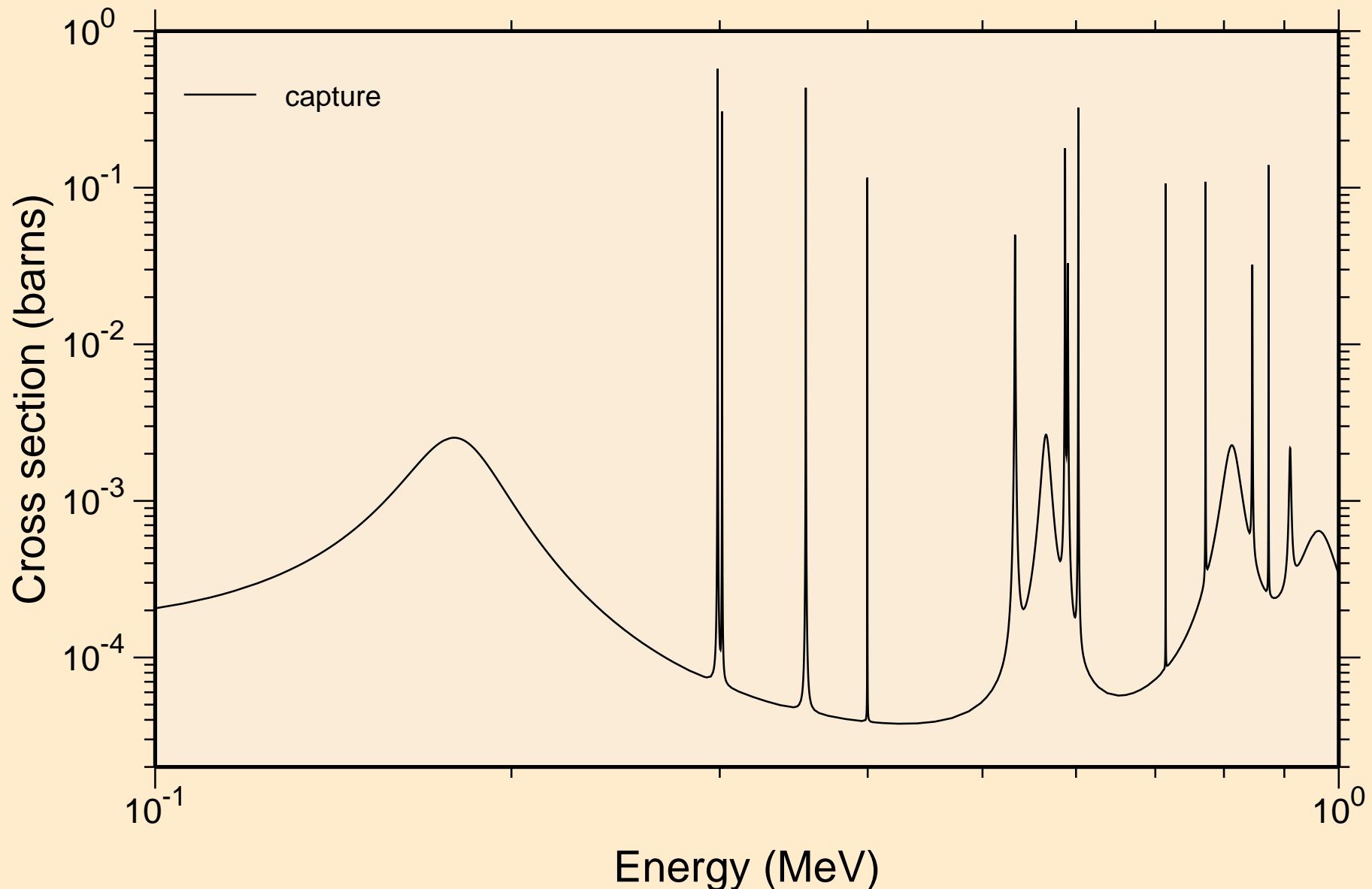
ENDF/B-VII SI-28
resonance total cross section



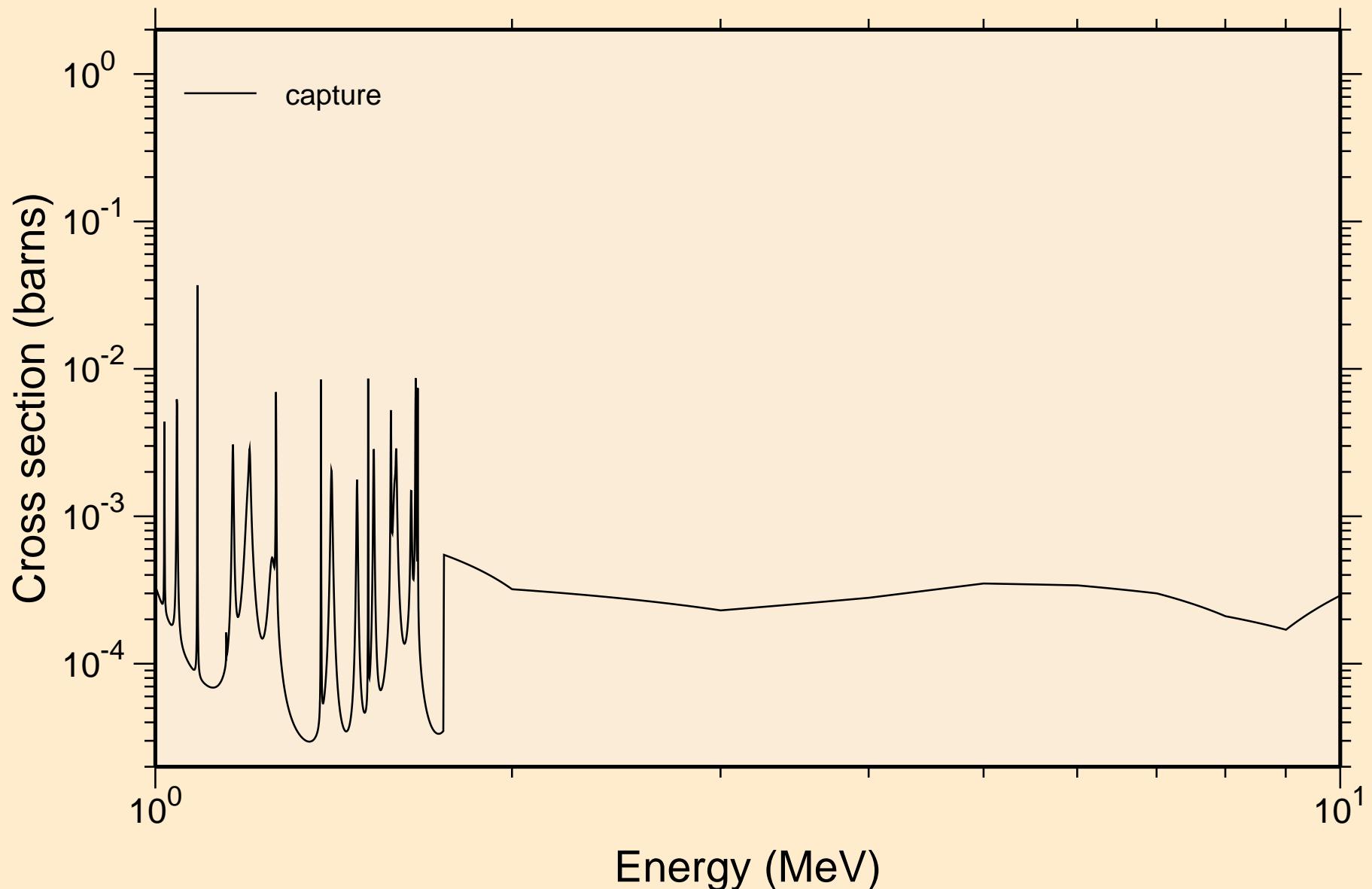
ENDF/B-VII SI-28
resonance absorption cross sections



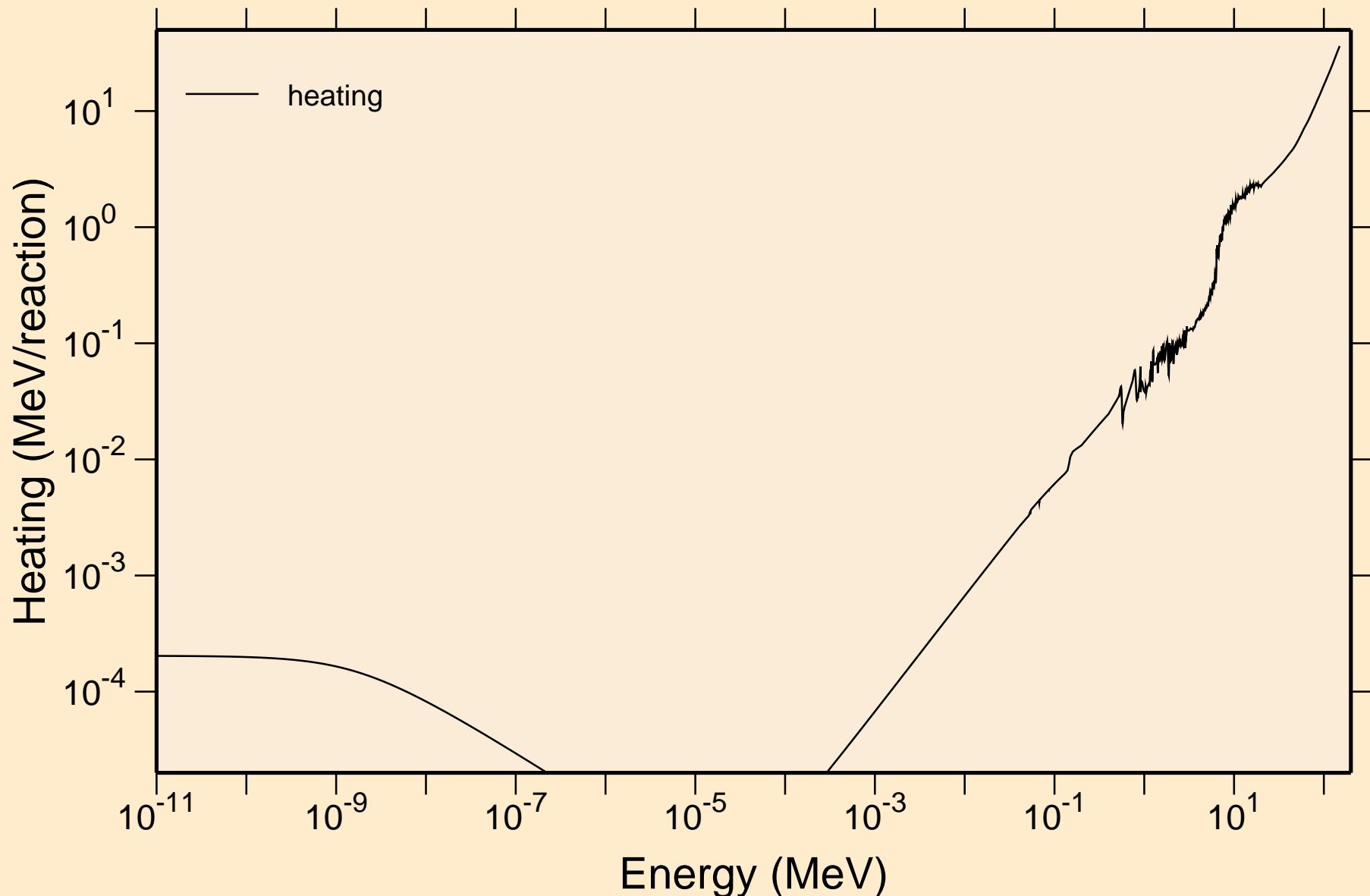
ENDF/B-VII SI-28
resonance absorption cross sections



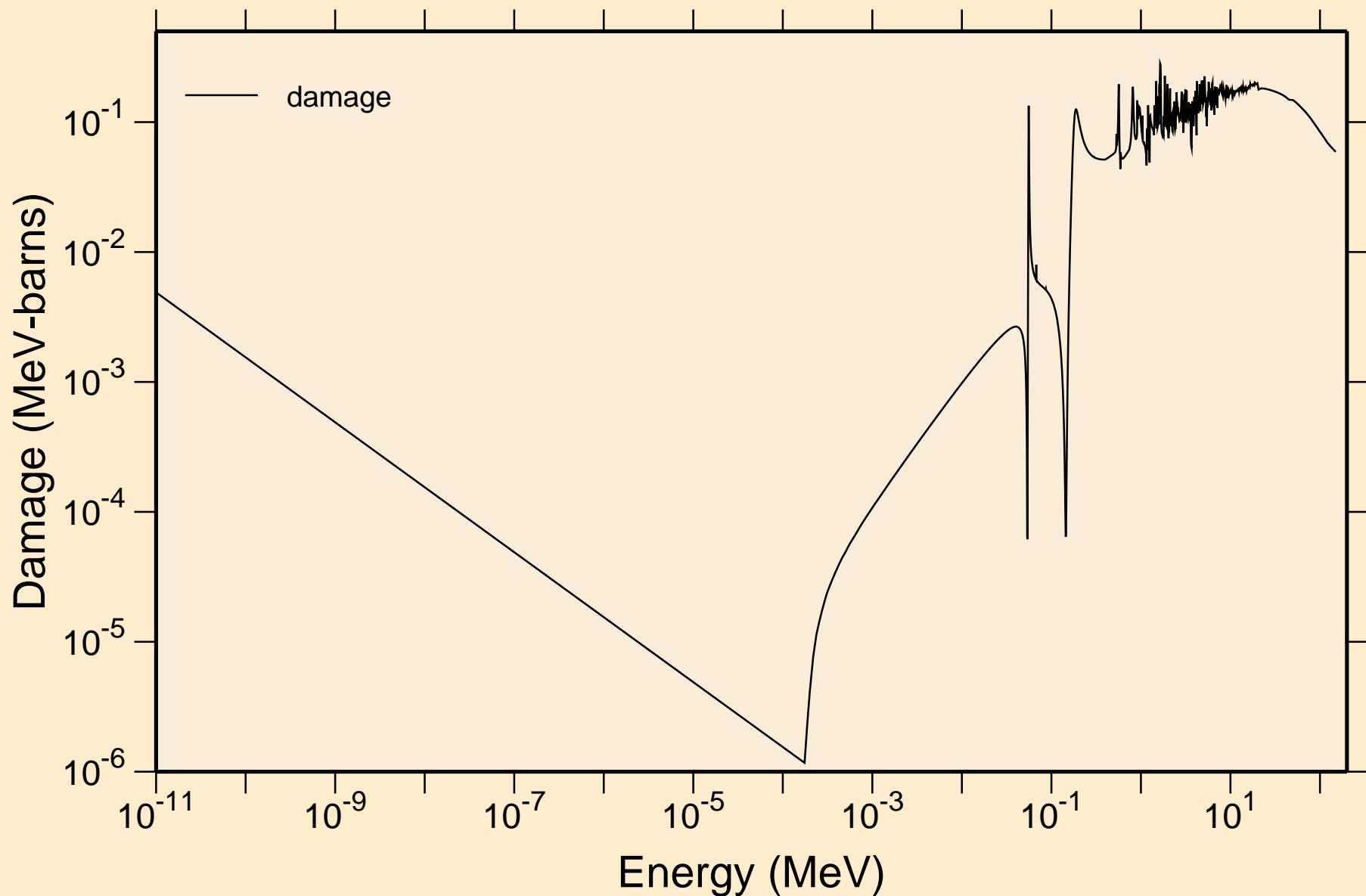
ENDF/B-VII SI-28
resonance absorption cross sections



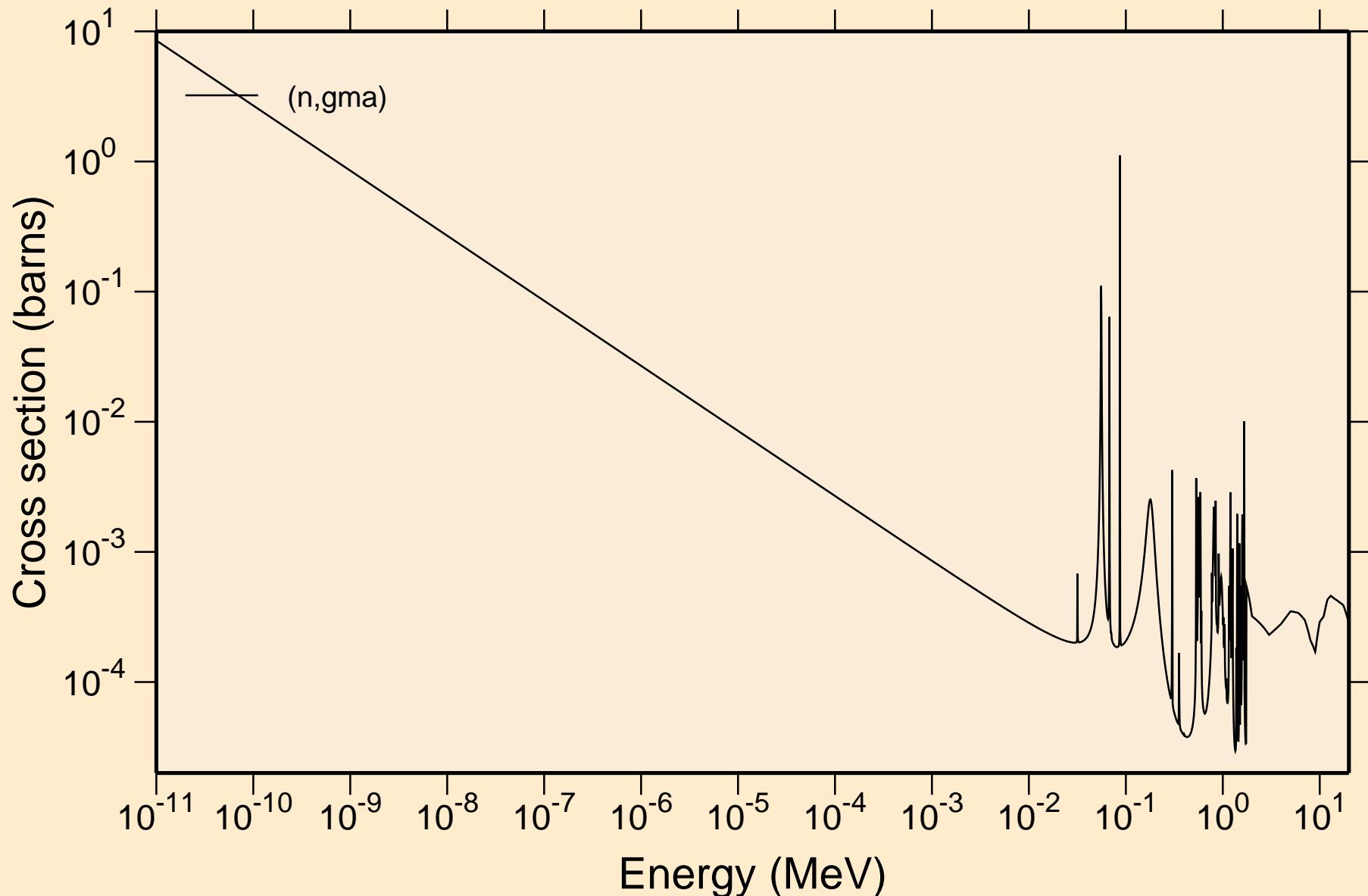
ENDF/B-VII SI-28
Heating



ENDF/B-VII SI-28
Damage

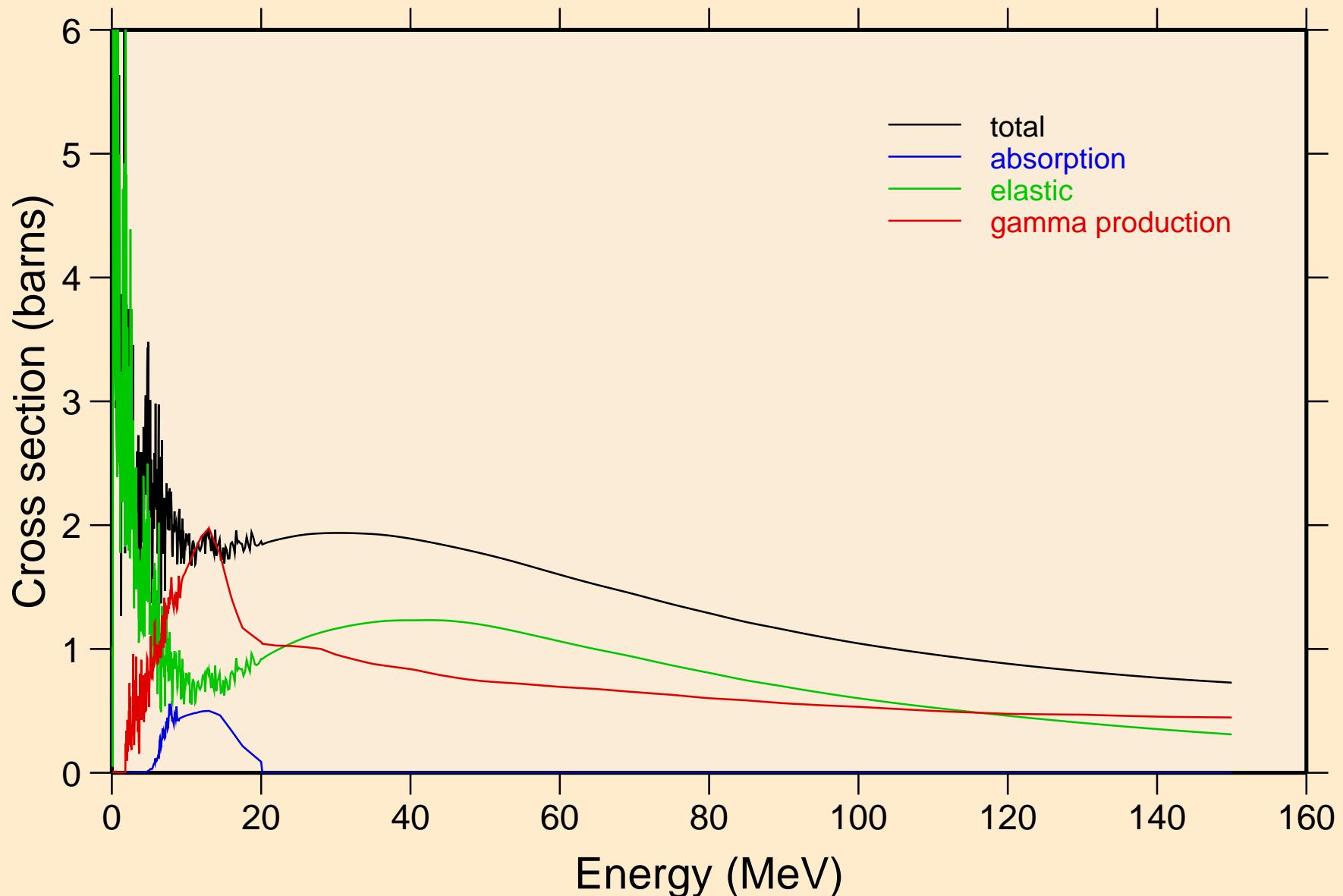


ENDF/B-VII SI-28
Non-threshold reactions

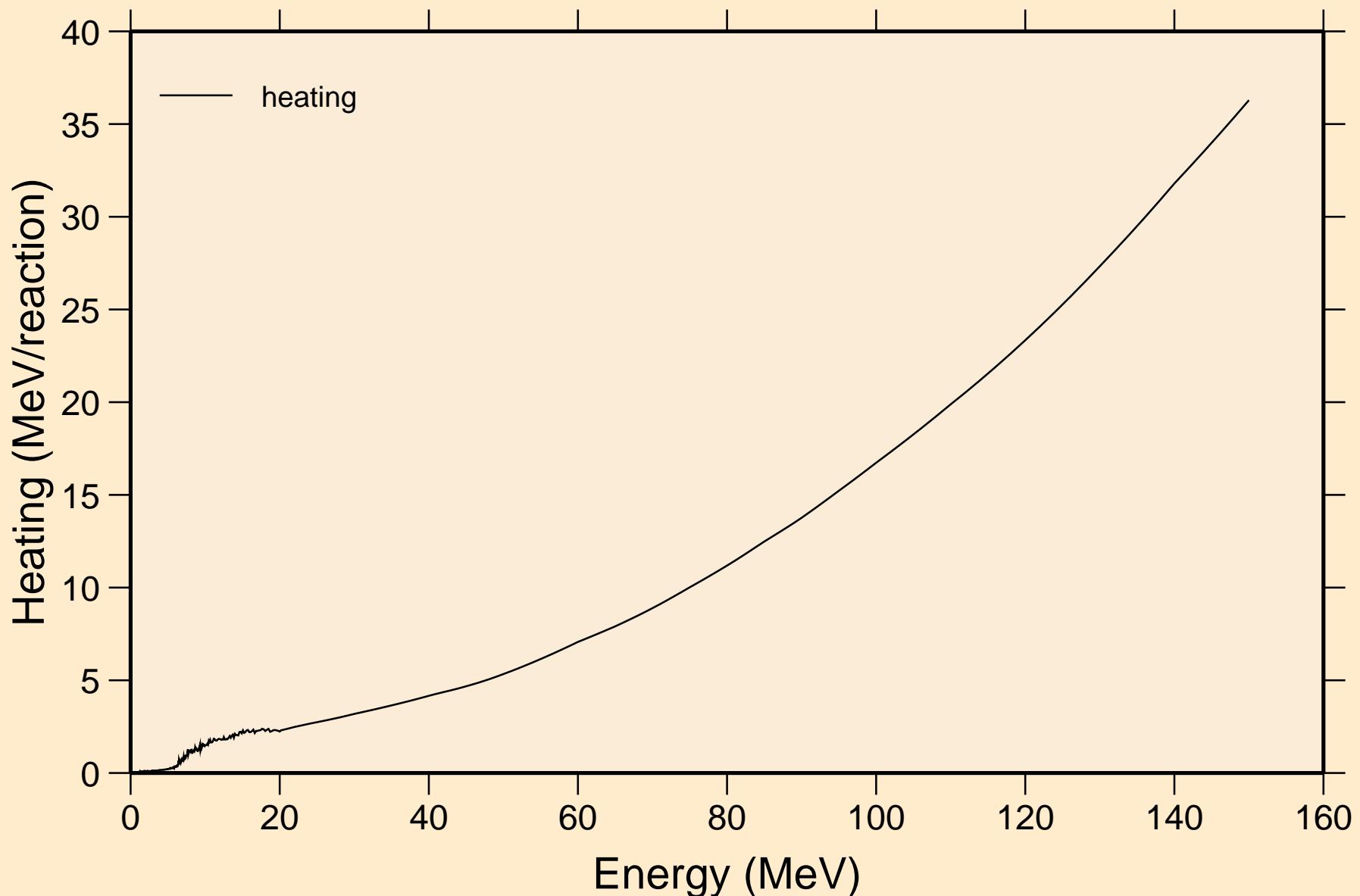


ENDF/B-VII SI-28

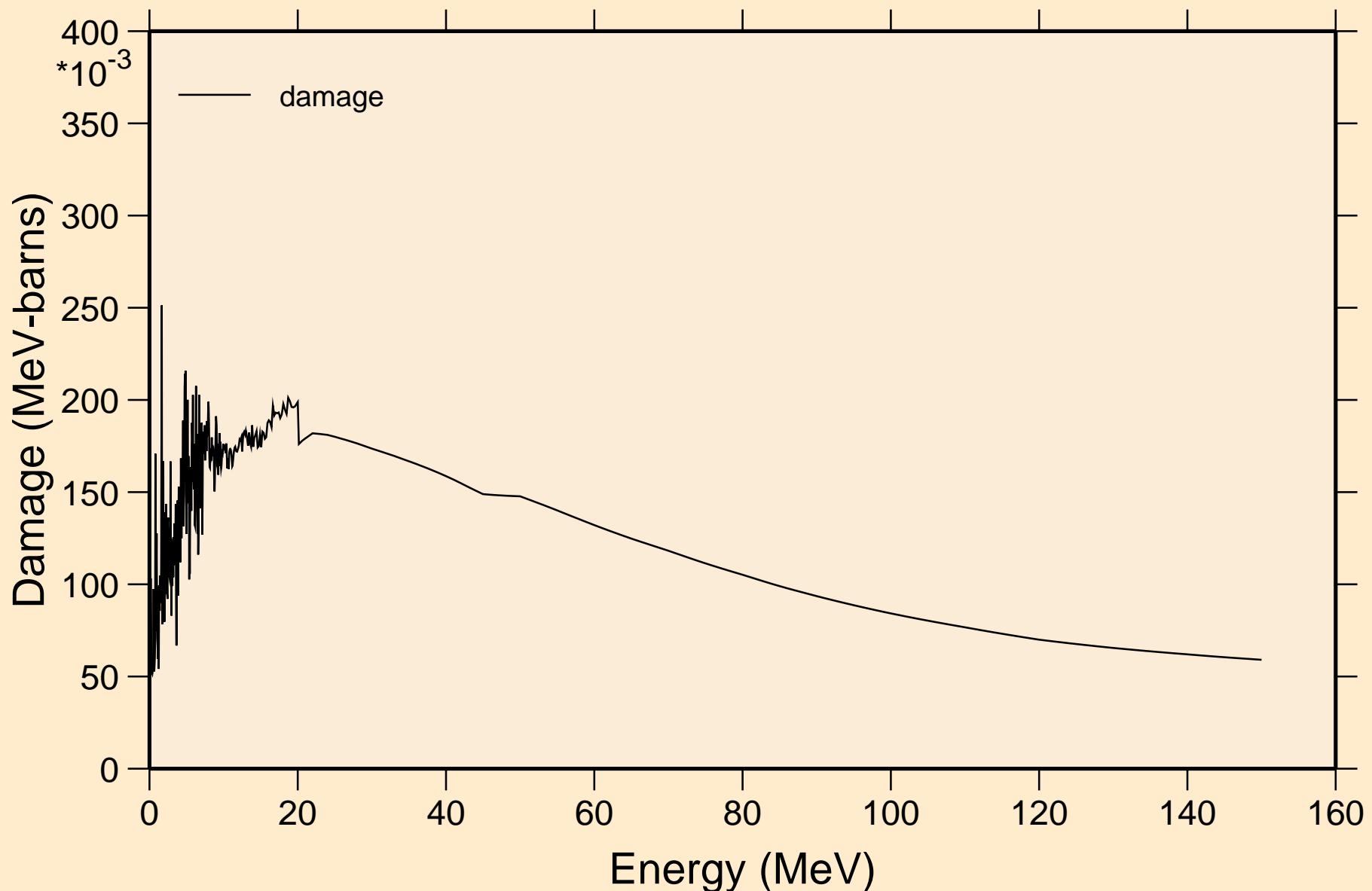
Principal cross sections



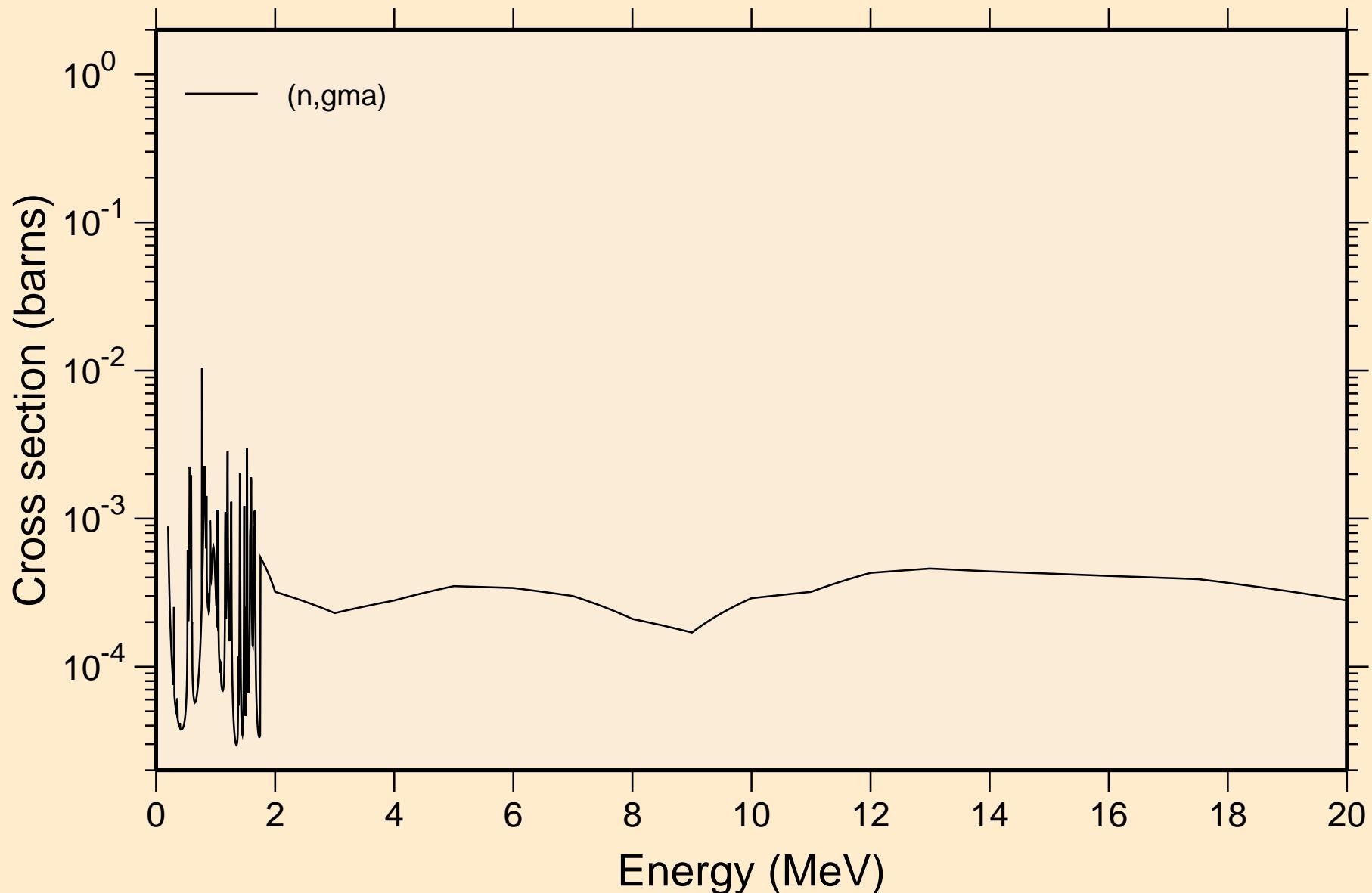
ENDF/B-VII SI-28
Heating



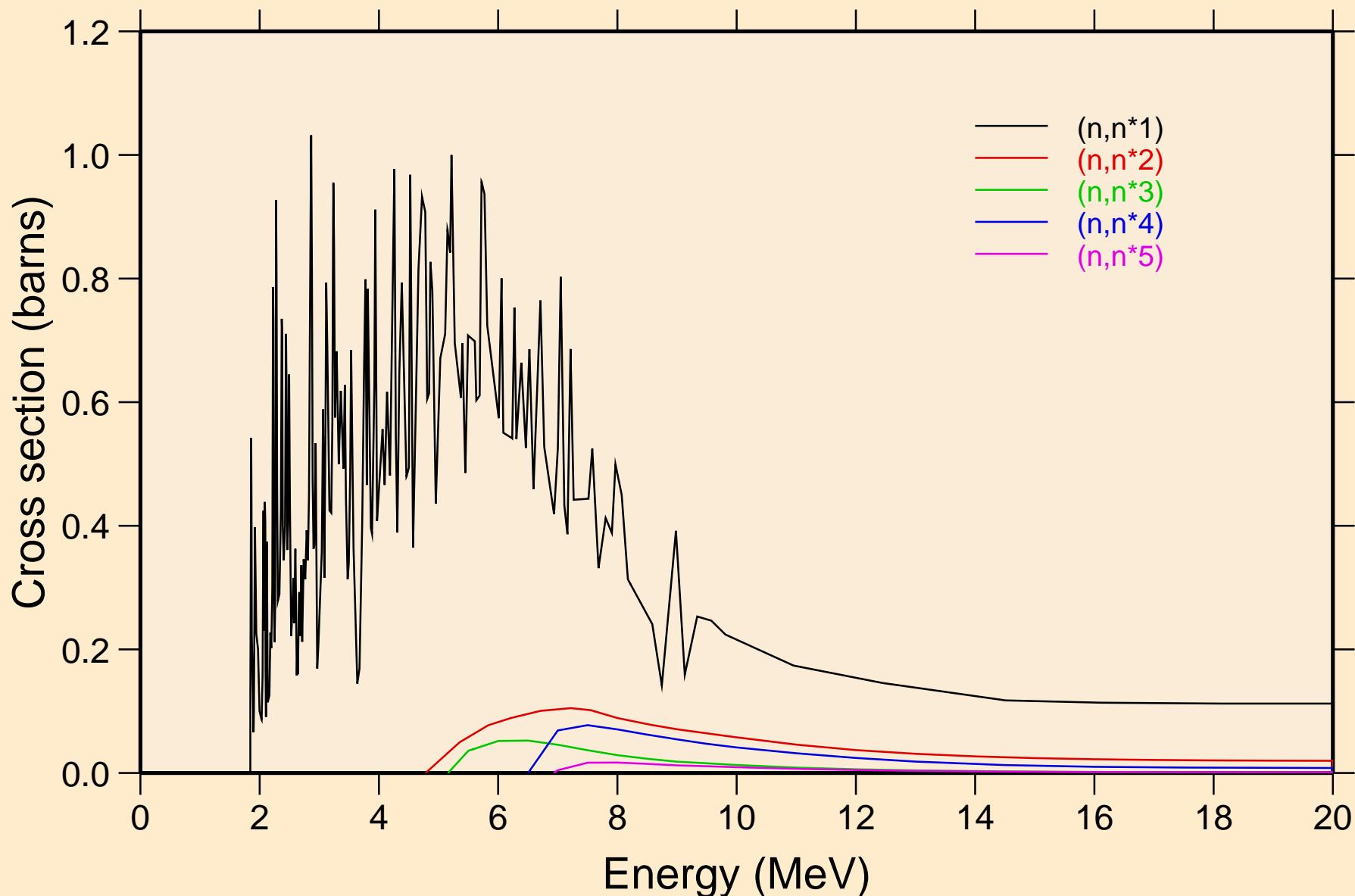
ENDF/B-VII SI-28
Damage



ENDF/B-VII SI-28
Non-threshold reactions

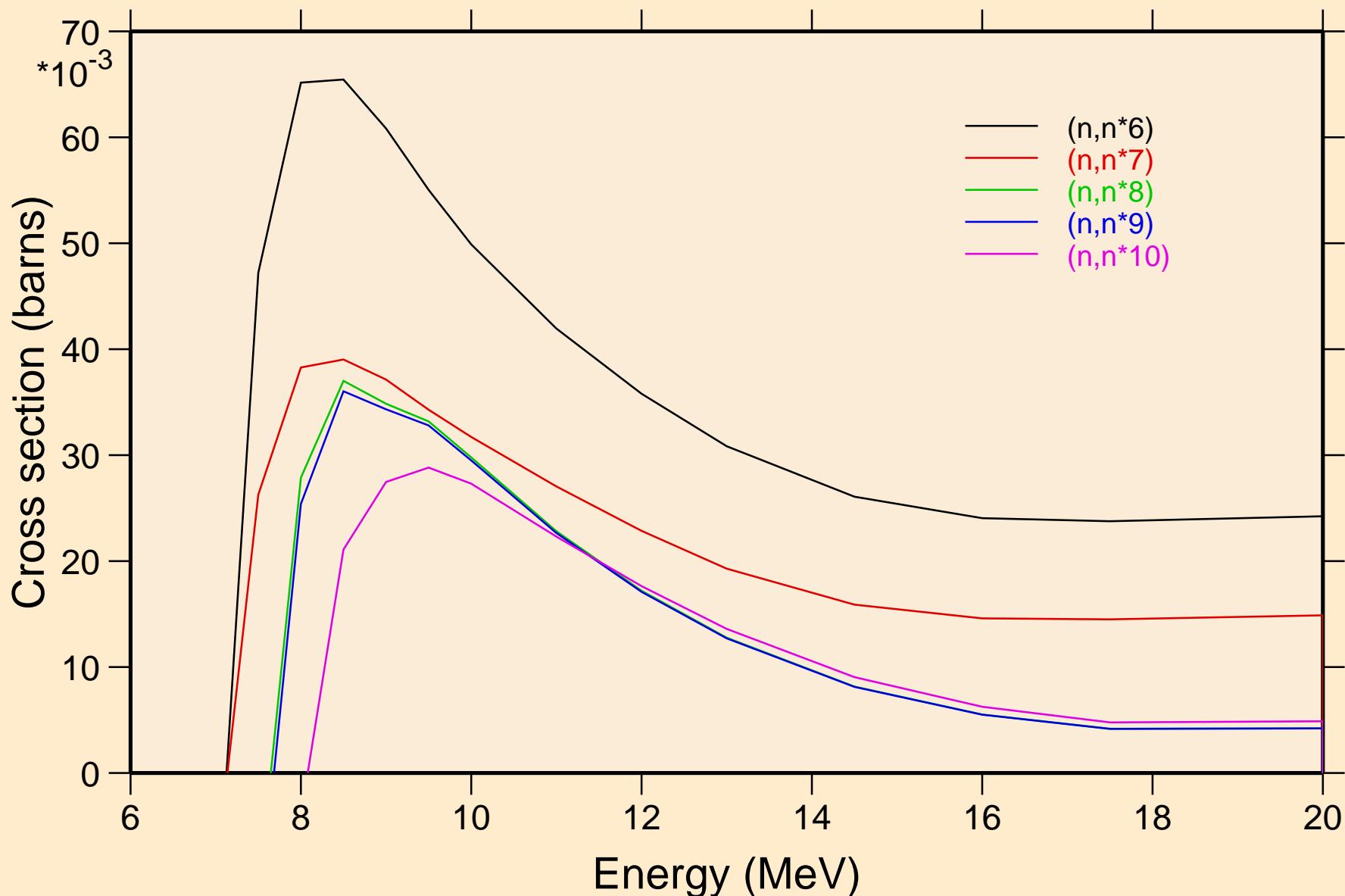


ENDF/B-VII SI-28
Inelastic levels



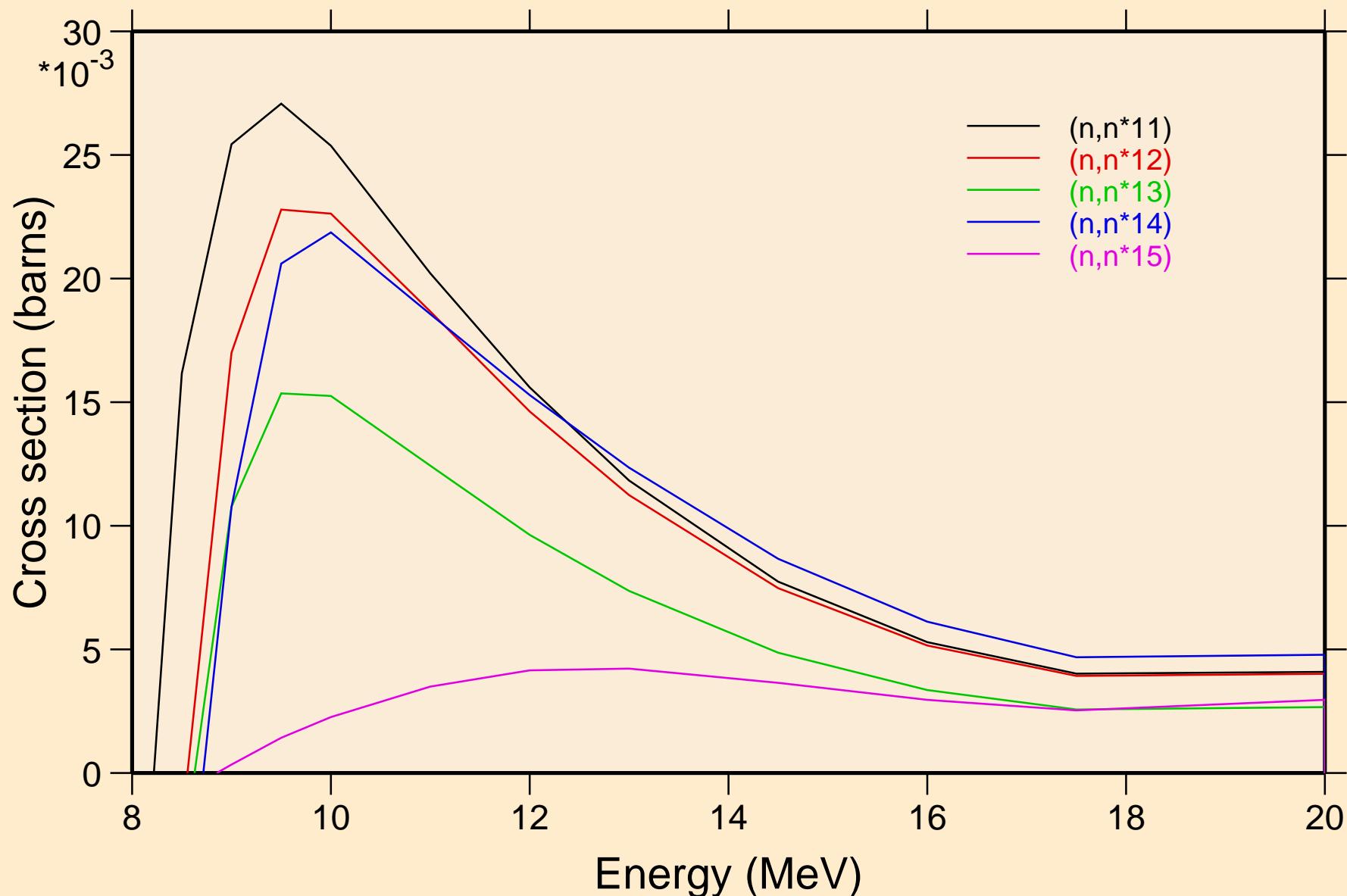
ENDF/B-VII SI-28

Inelastic levels

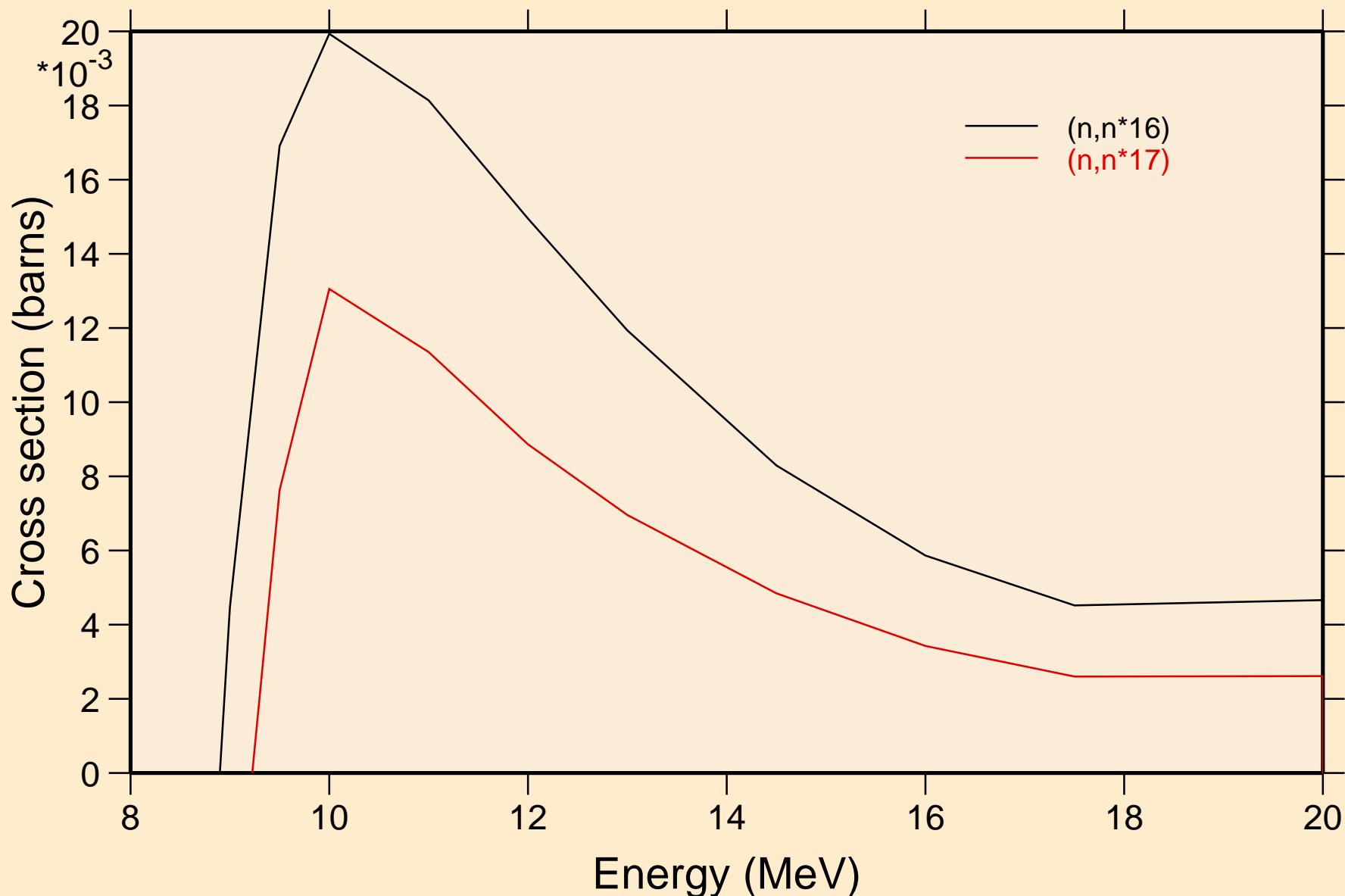


ENDF/B-VII SI-28

Inelastic levels

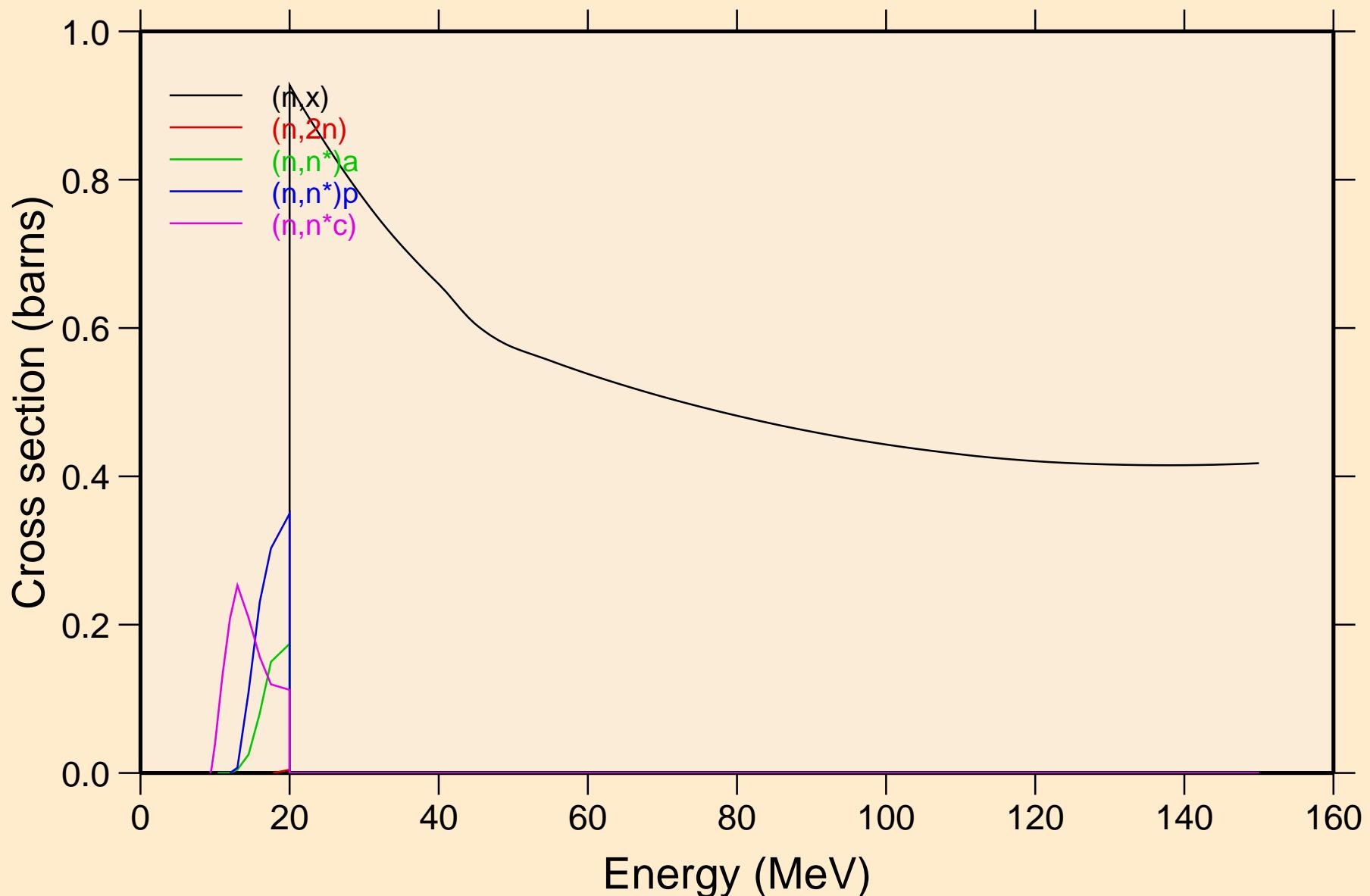


ENDF/B-VII SI-28
Inelastic levels



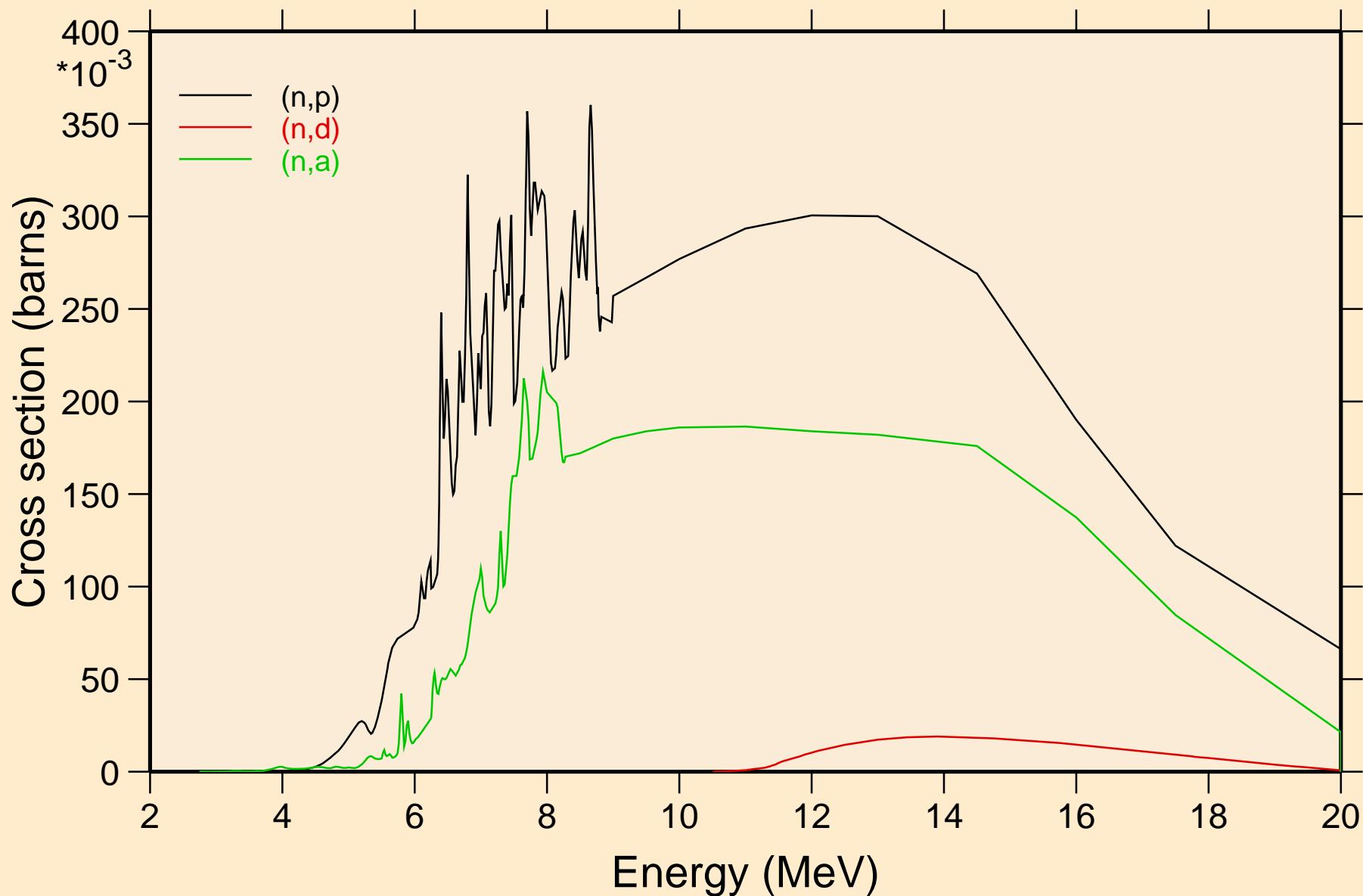
ENDF/B-VII SI-28

Threshold reactions



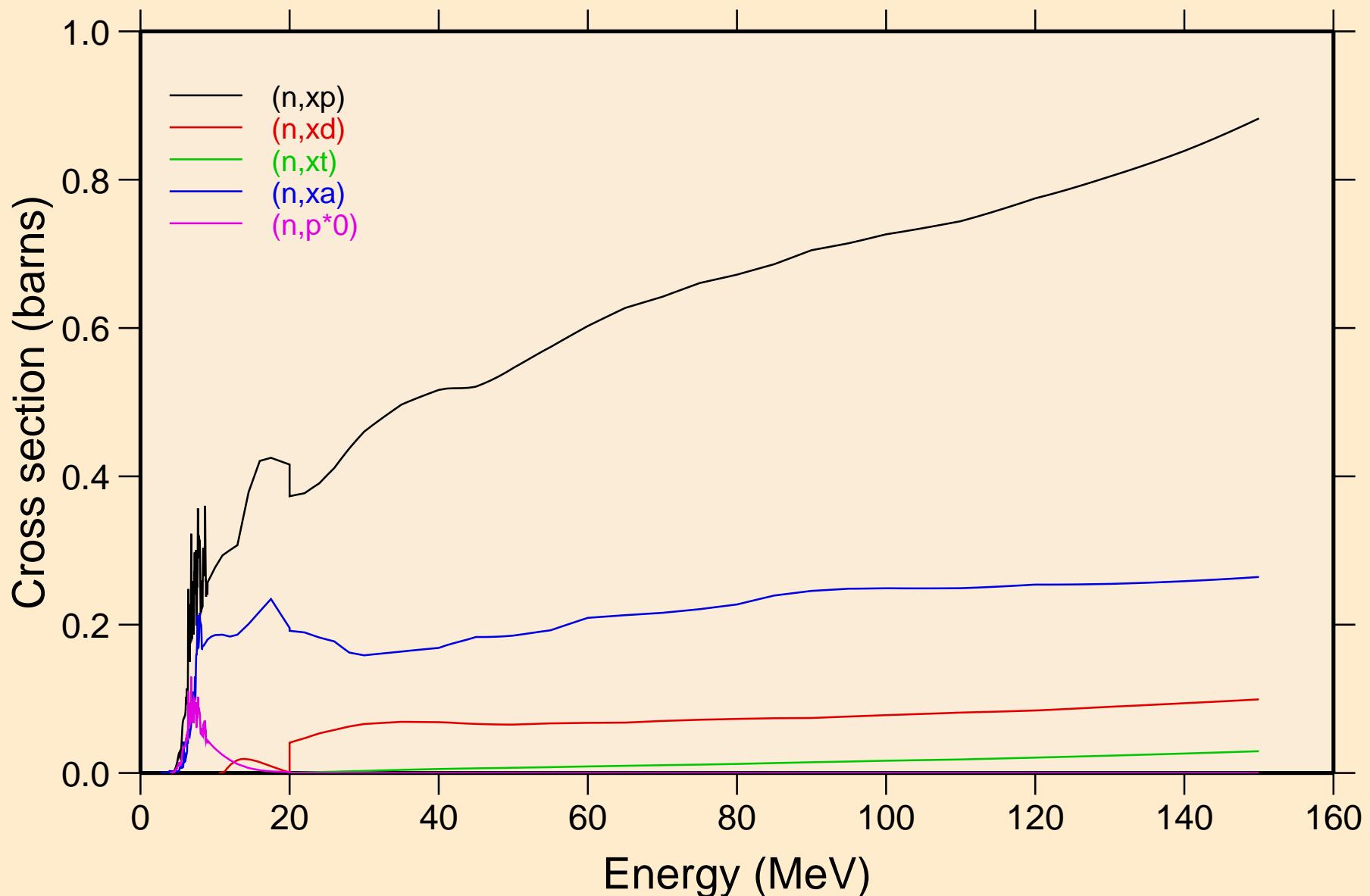
ENDF/B-VII SI-28

Threshold reactions



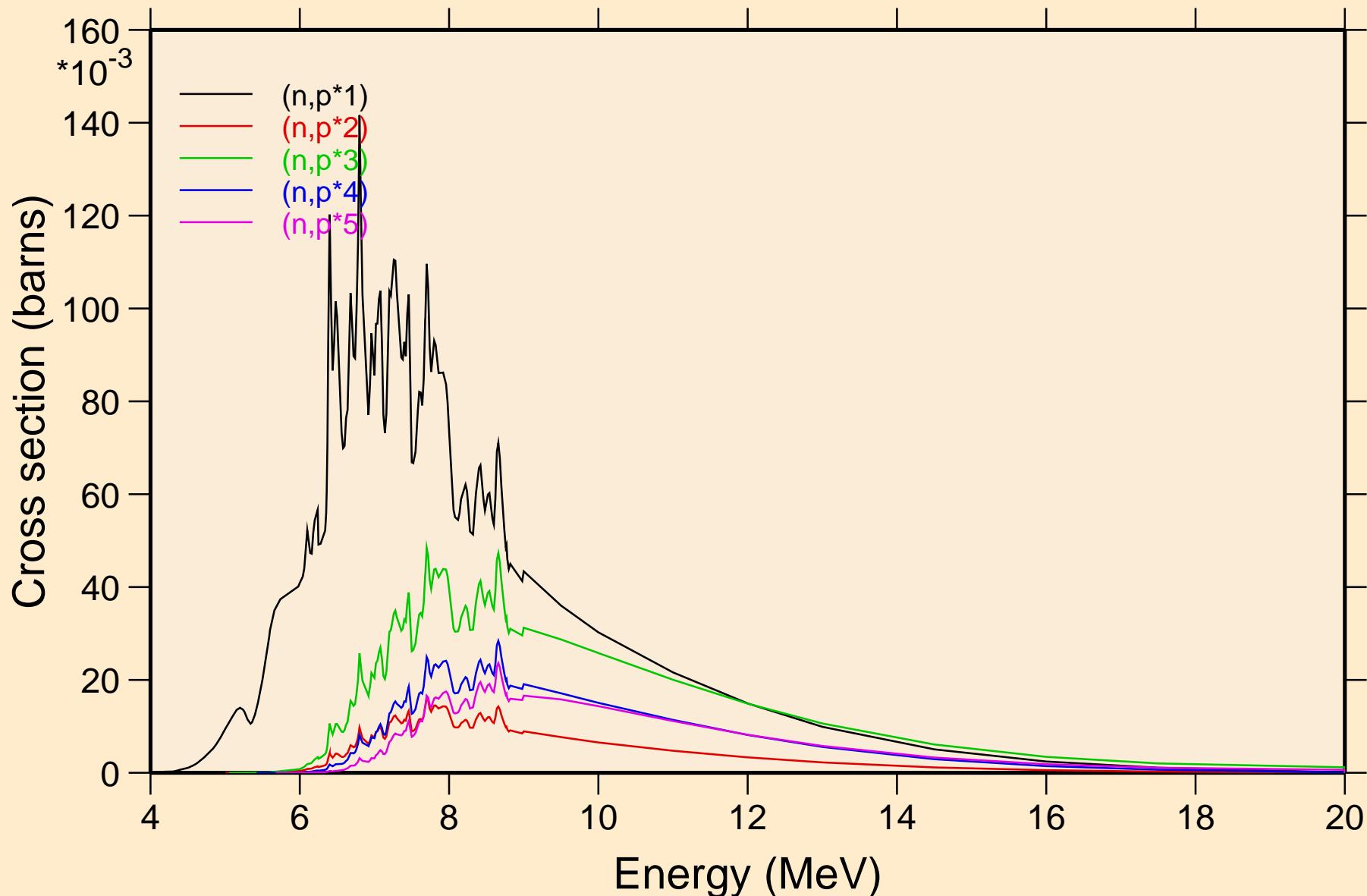
ENDF/B-VII SI-28

Threshold reactions



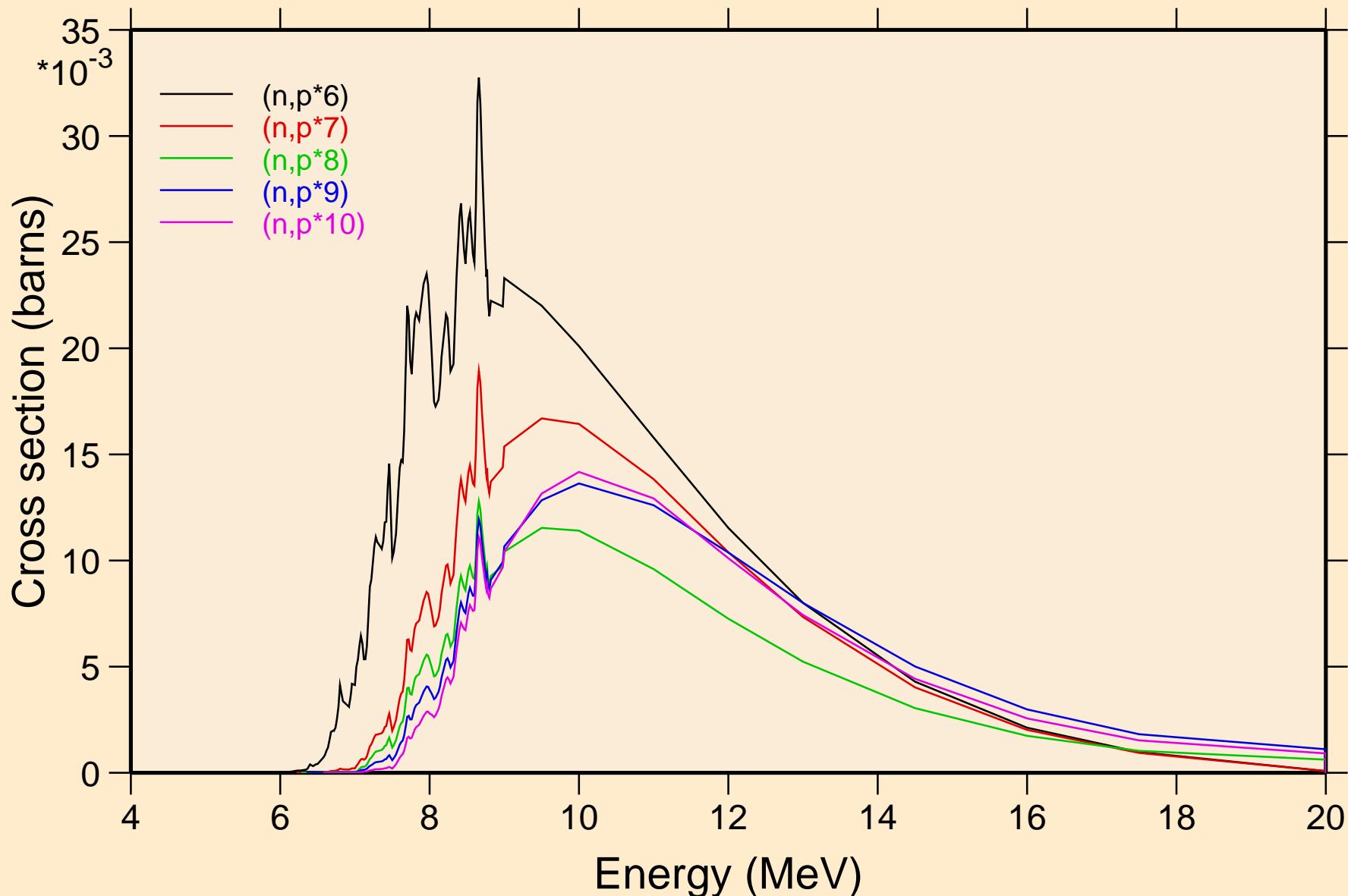
ENDF/B-VII SI-28

Threshold reactions



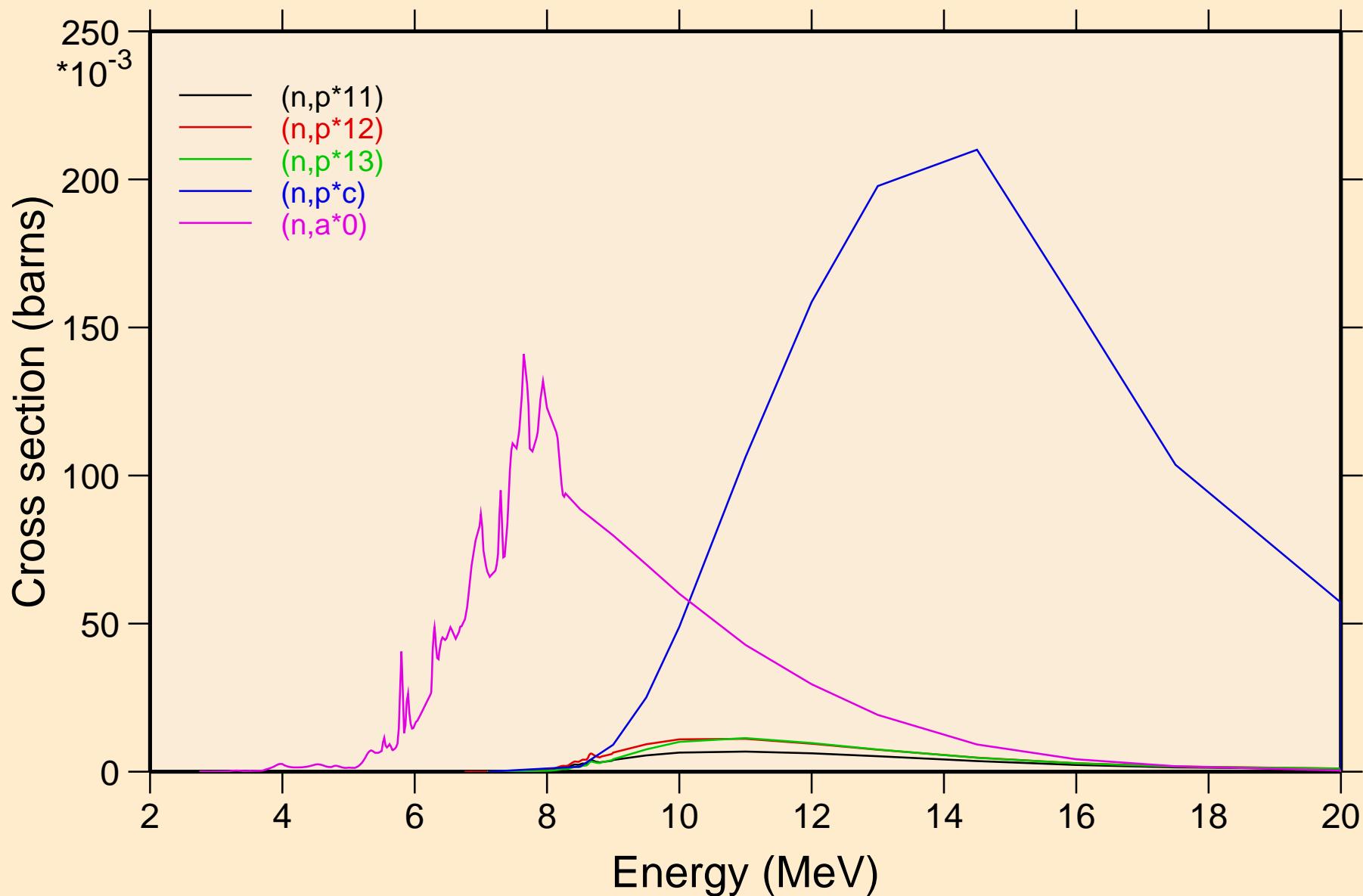
ENDF/B-VII SI-28

Threshold reactions



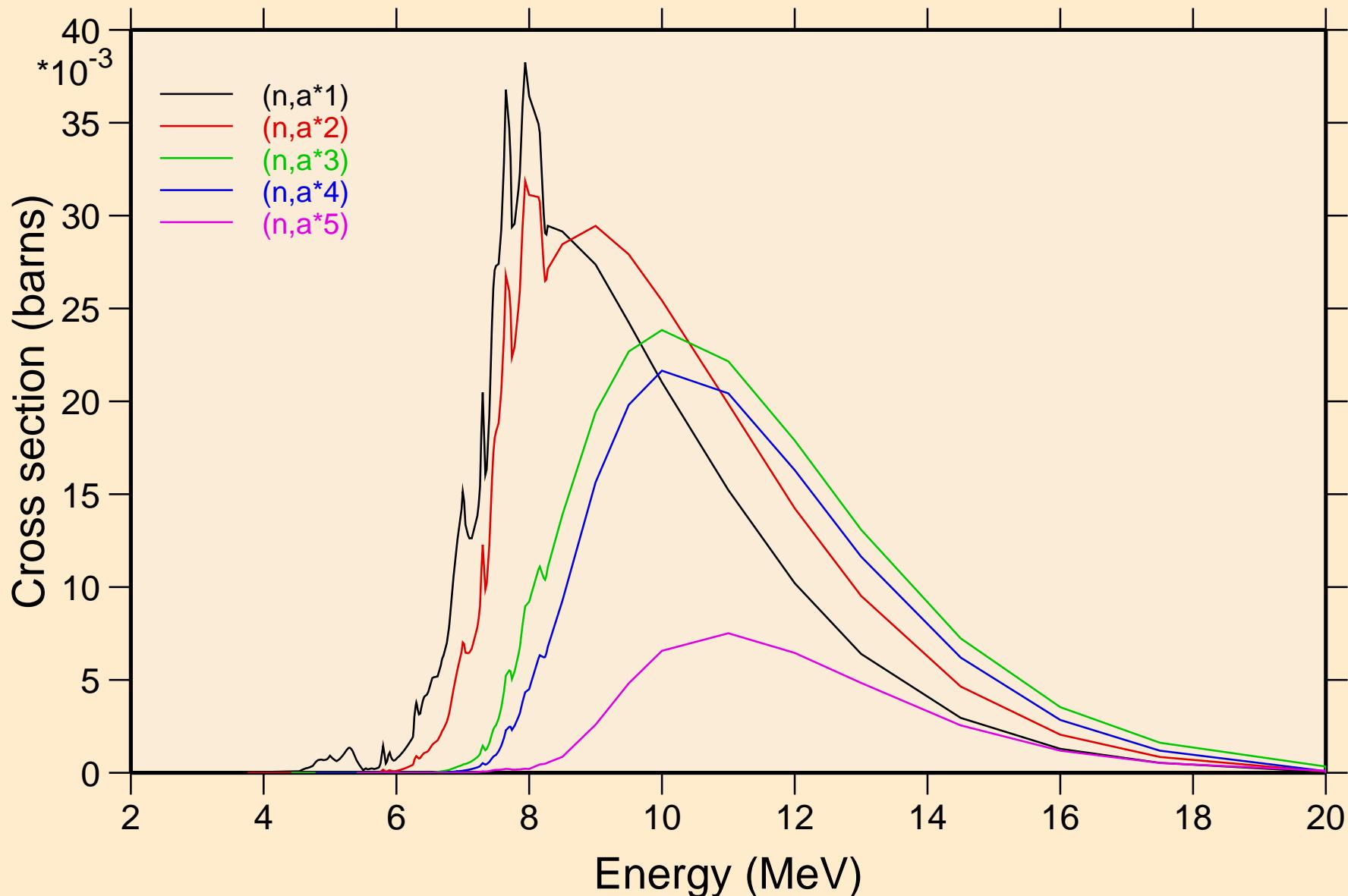
ENDF/B-VII SI-28

Threshold reactions



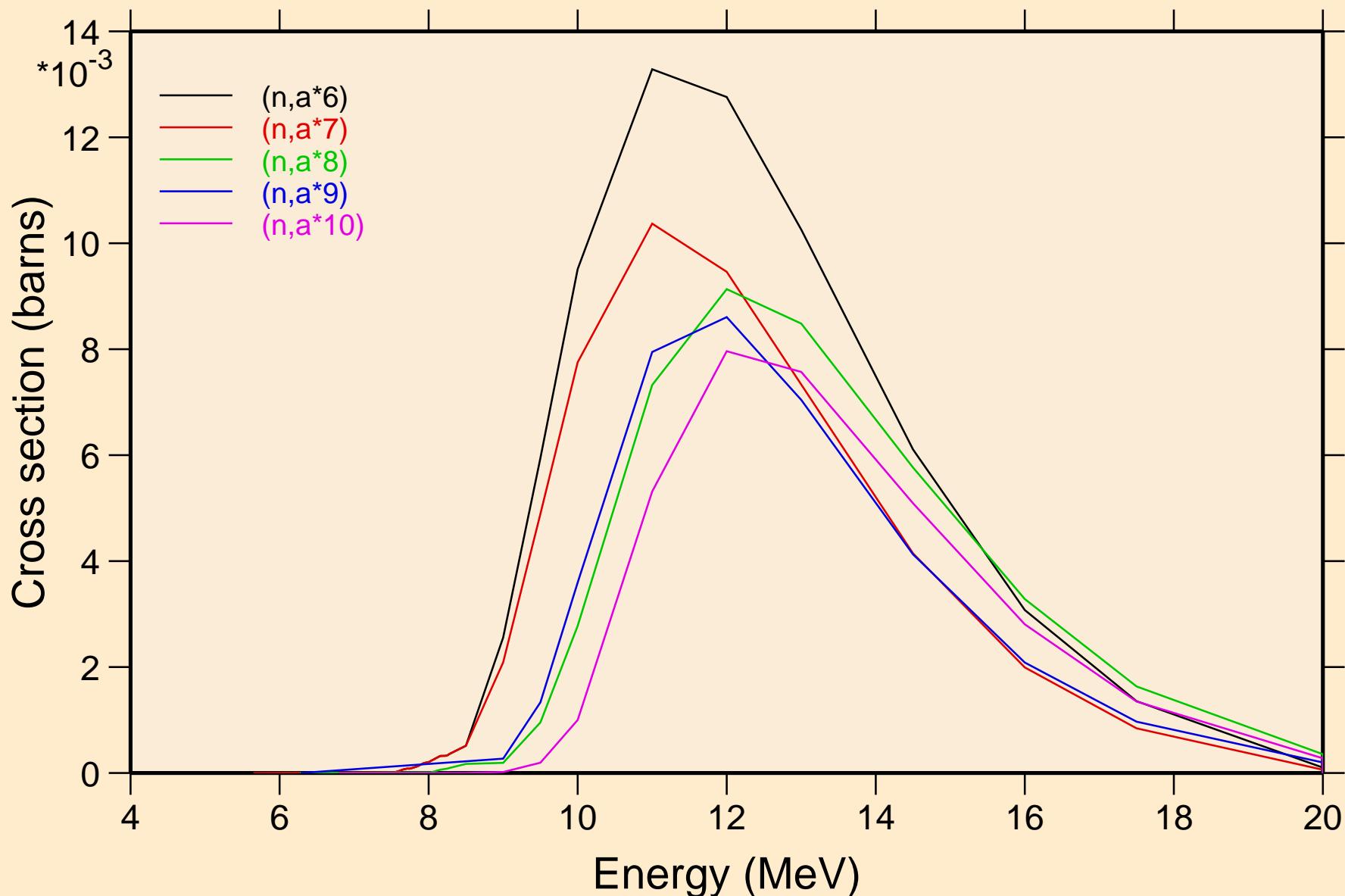
ENDF/B-VII SI-28

Threshold reactions



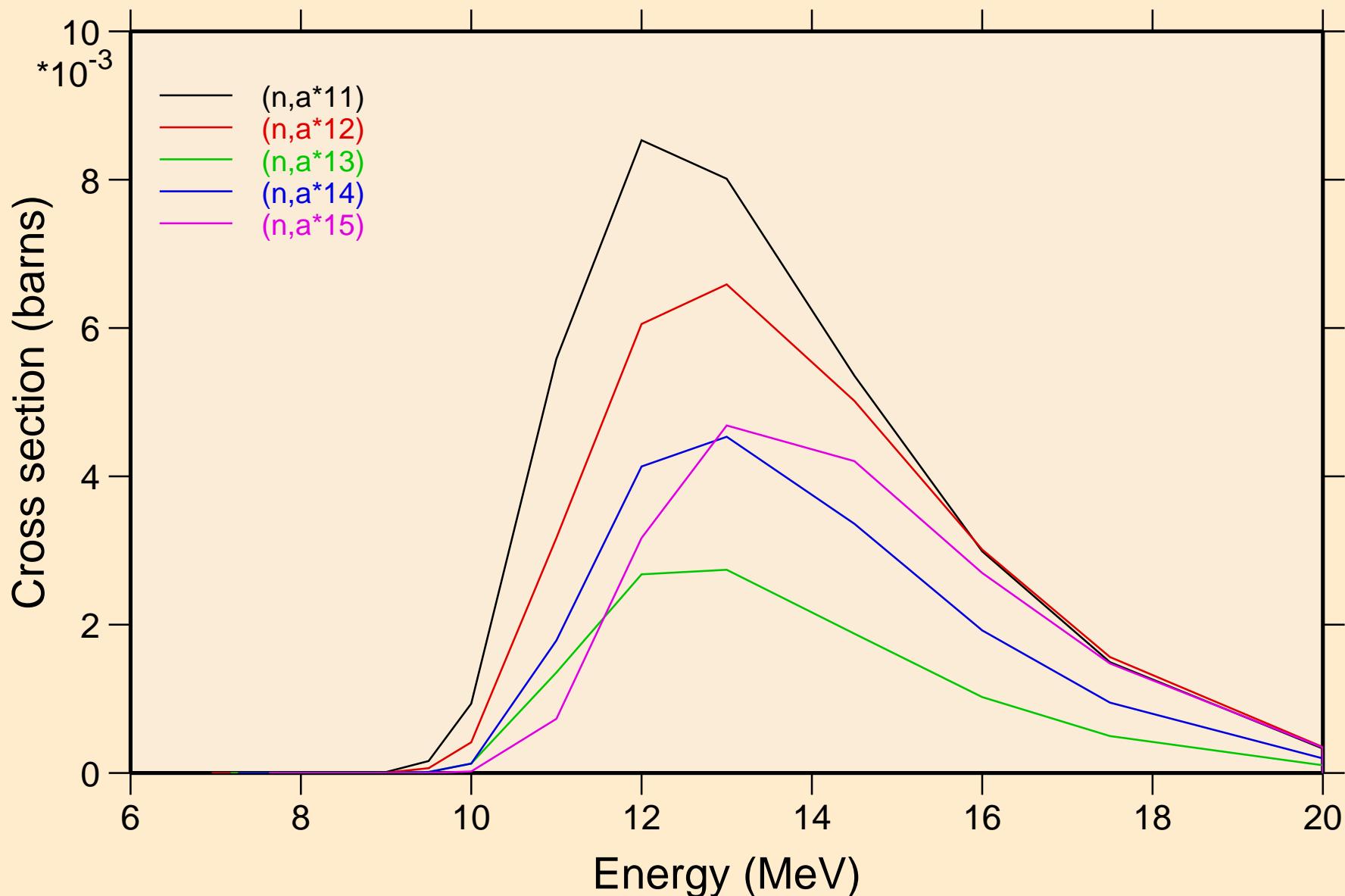
ENDF/B-VII SI-28

Threshold reactions

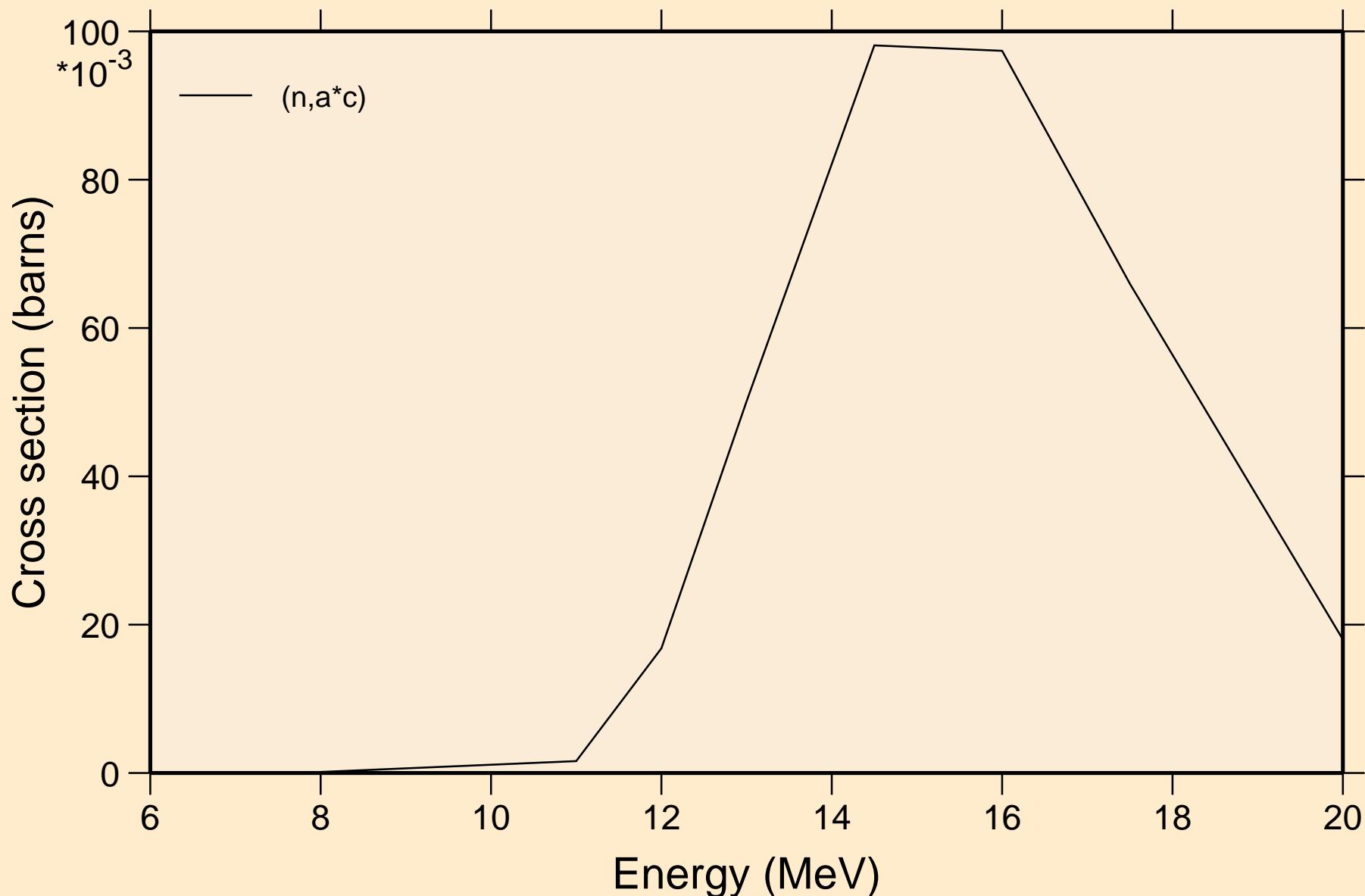


ENDF/B-VII SI-28

Threshold reactions

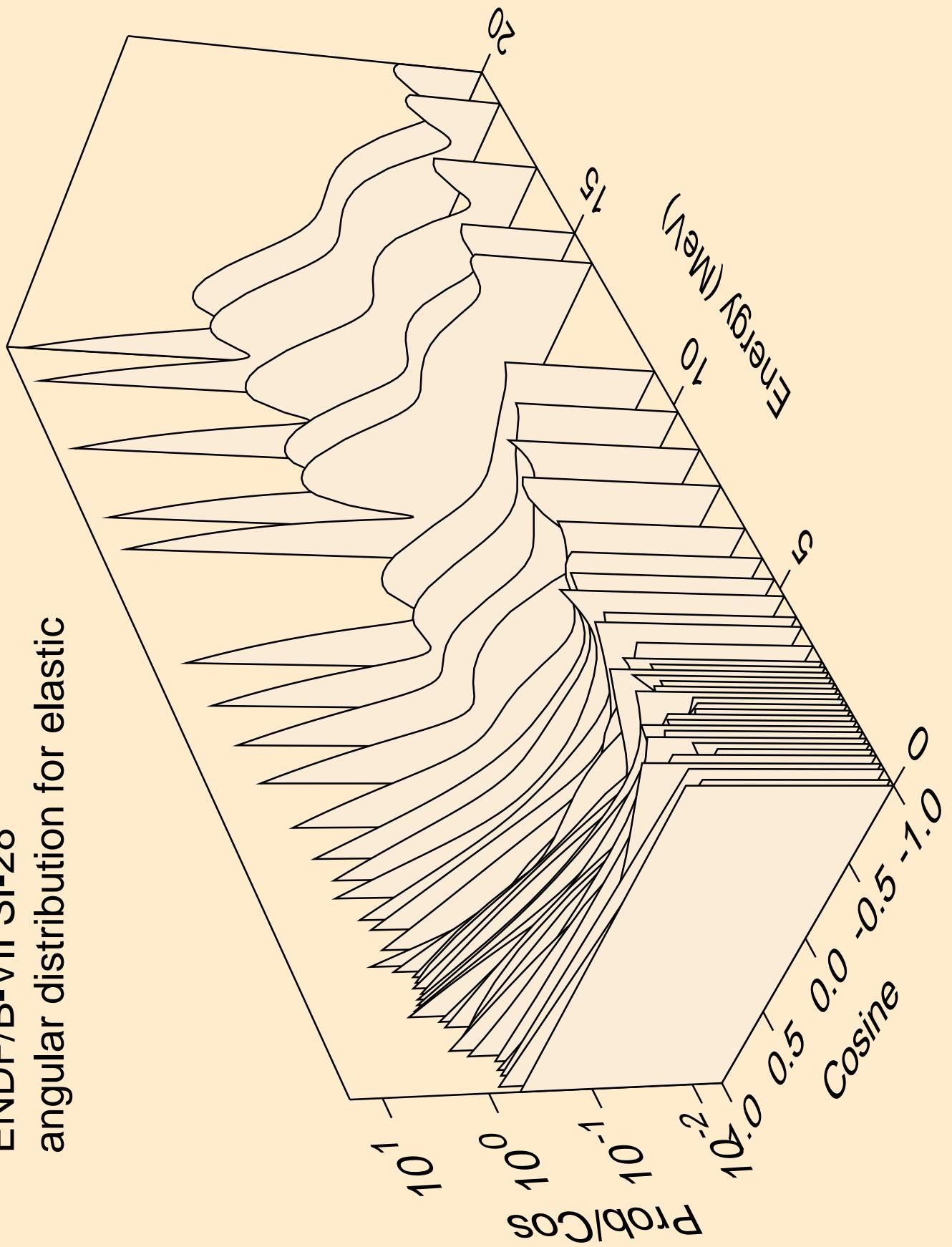


ENDF/B-VII SI-28
Threshold reactions



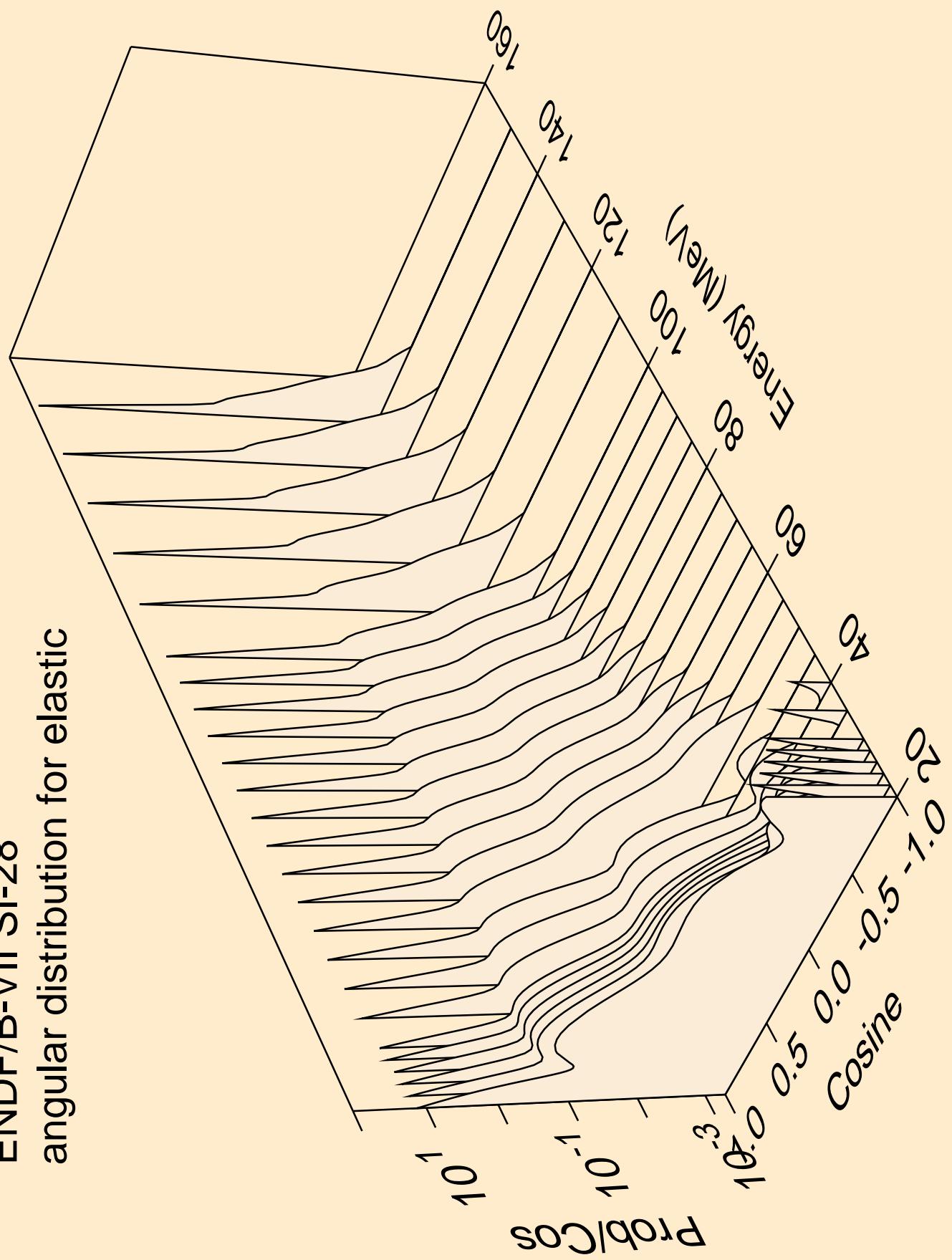
ENDF/B-VII SI-28

angular distribution for elastic



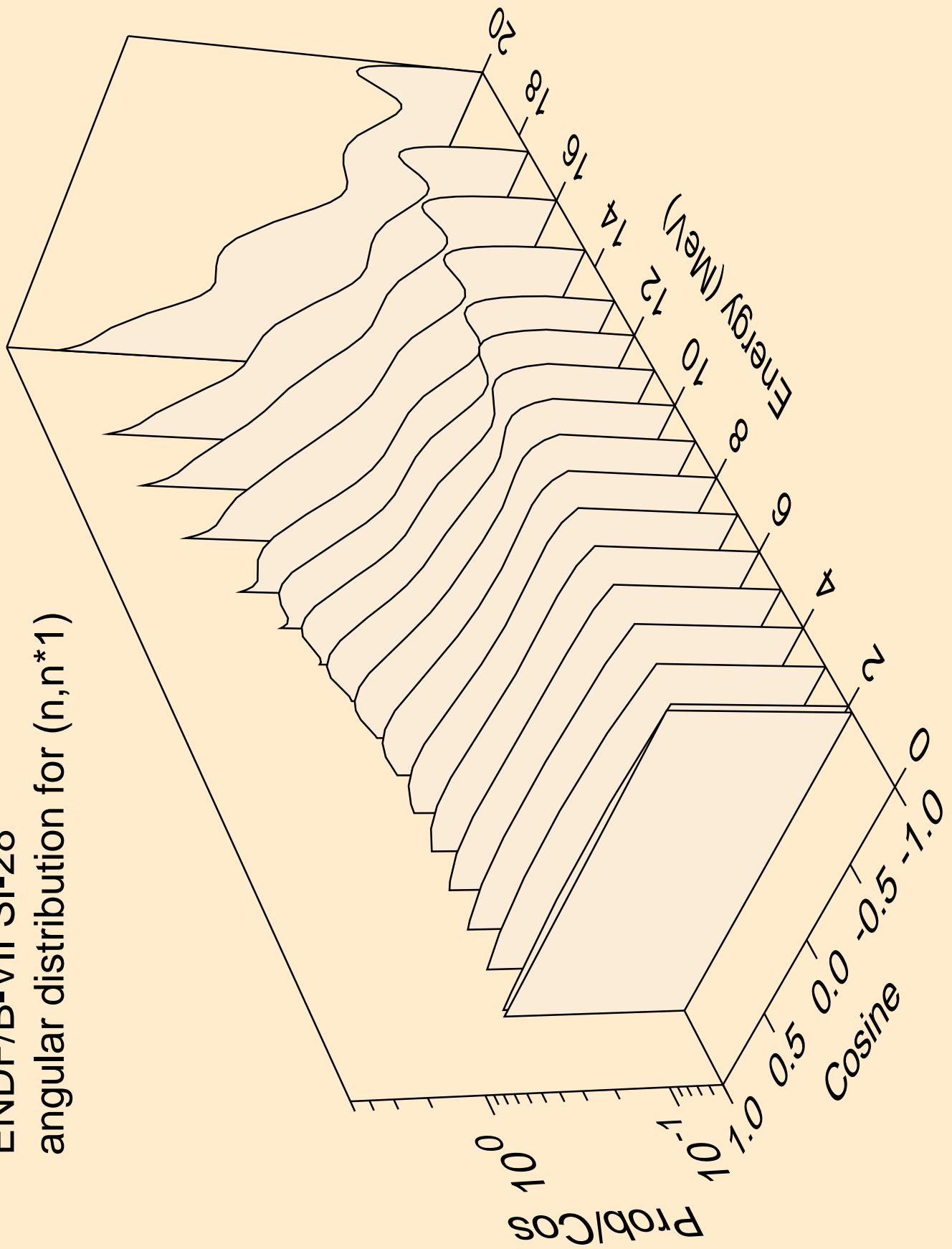
ENDF/B-VII SI-28

angular distribution for elastic



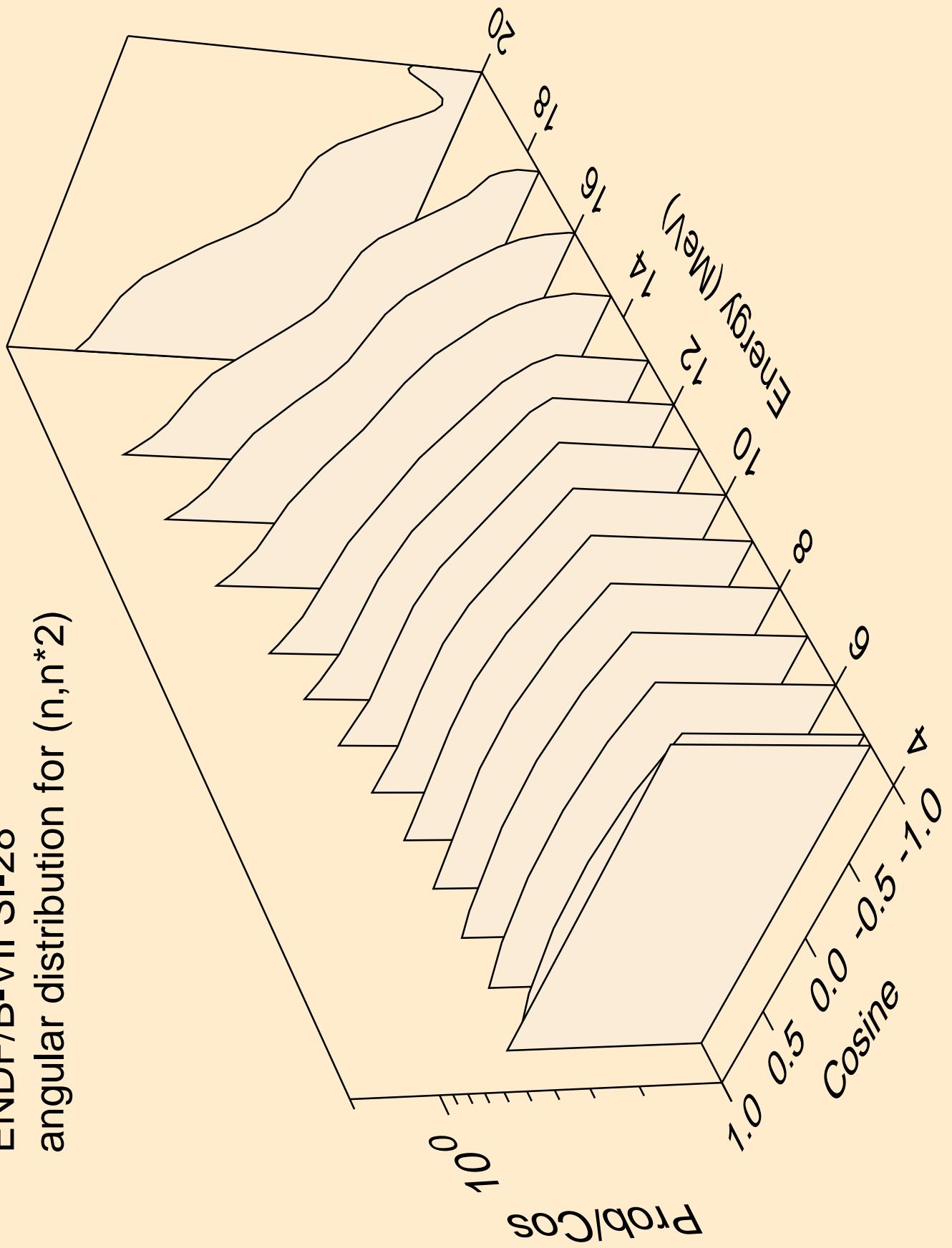
ENDF/B-VII SI-28

angular distribution for (n, n^*)



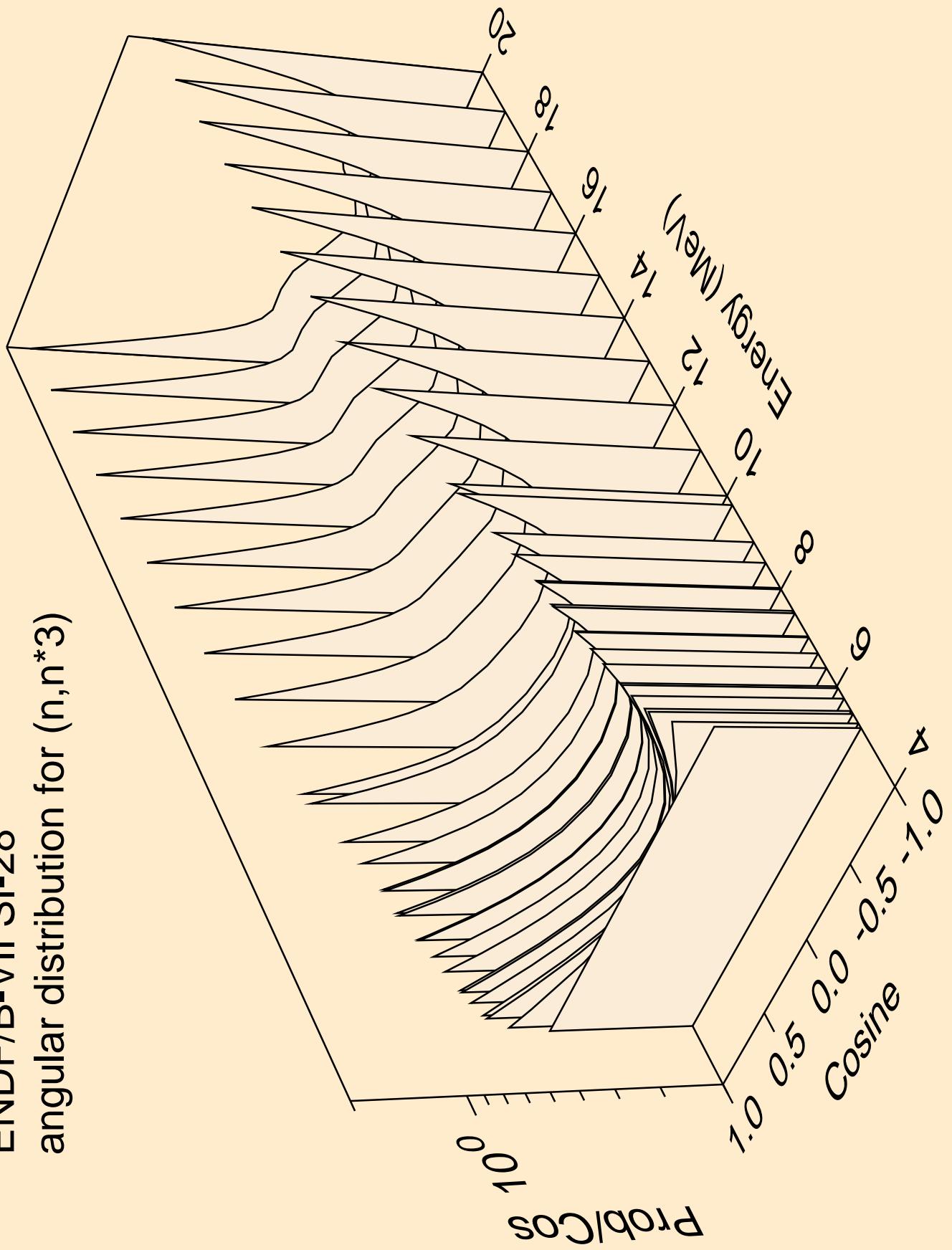
ENDF/B-VII SI-28

angular distribution for (n,n^*2)



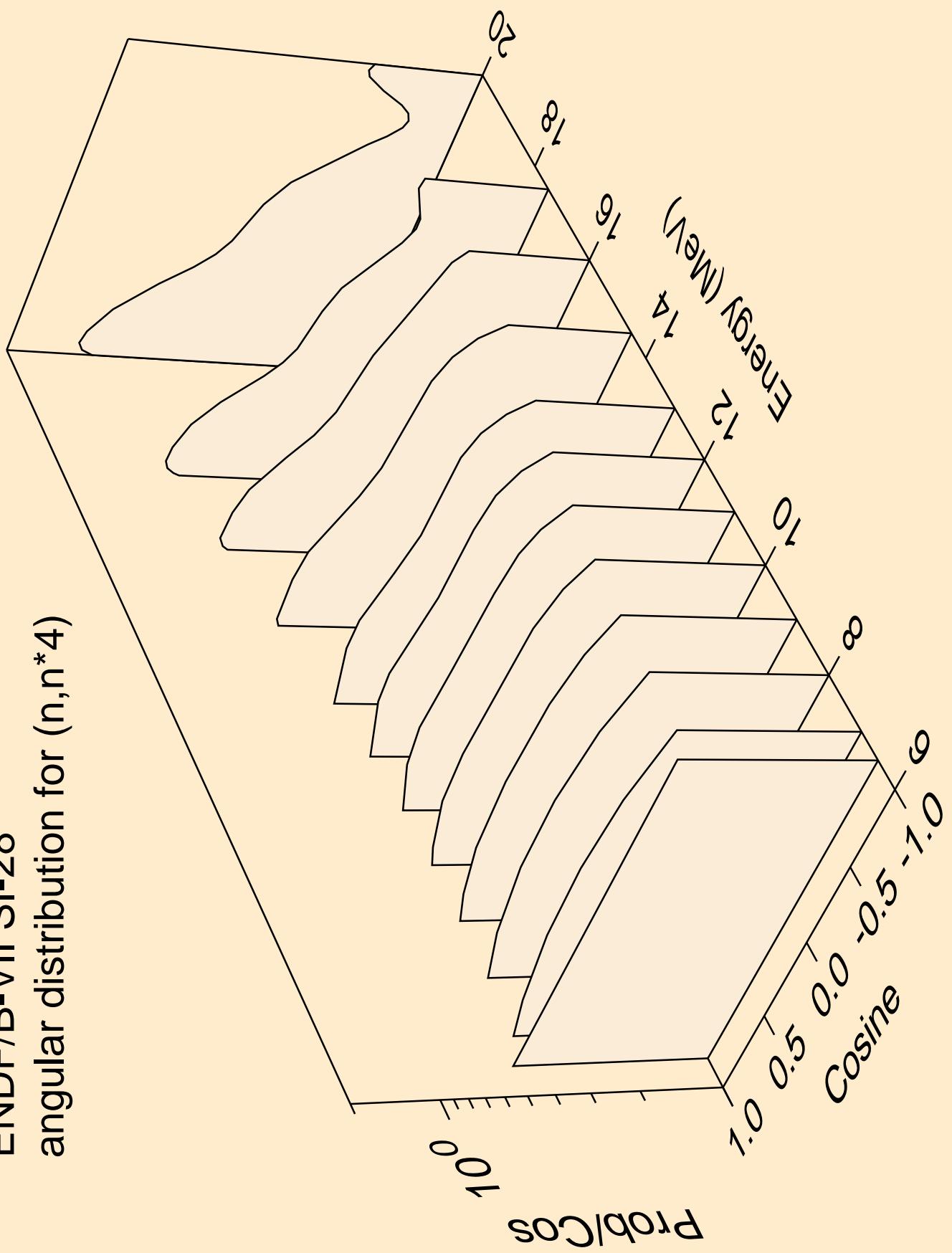
ENDF/B-VII SI-28

angular distribution for (n,n^*3)



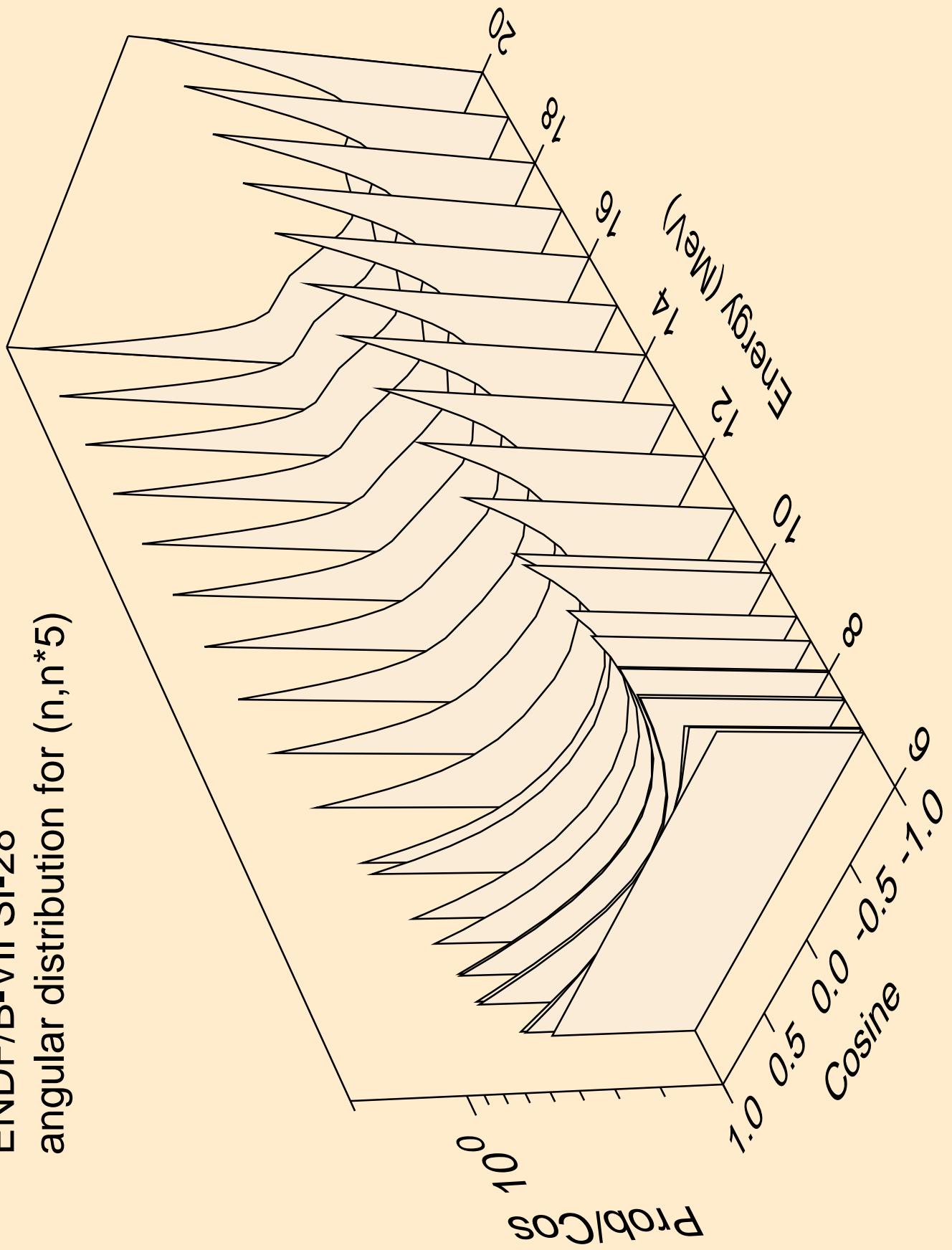
ENDF/B-VII SI-28

angular distribution for (n,n^*4)



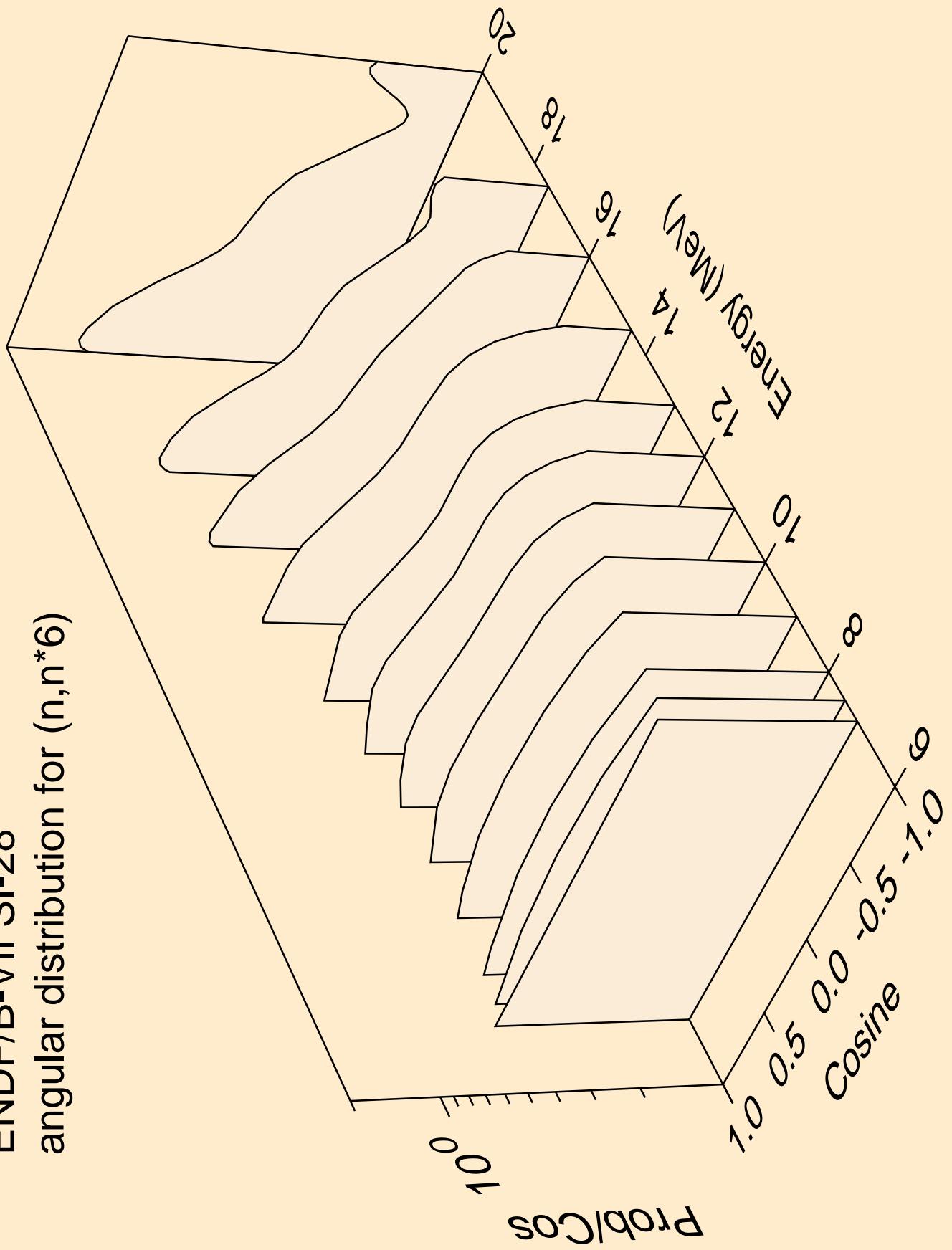
ENDF/B-VII SI-28

angular distribution for $(n, n^* 5)$



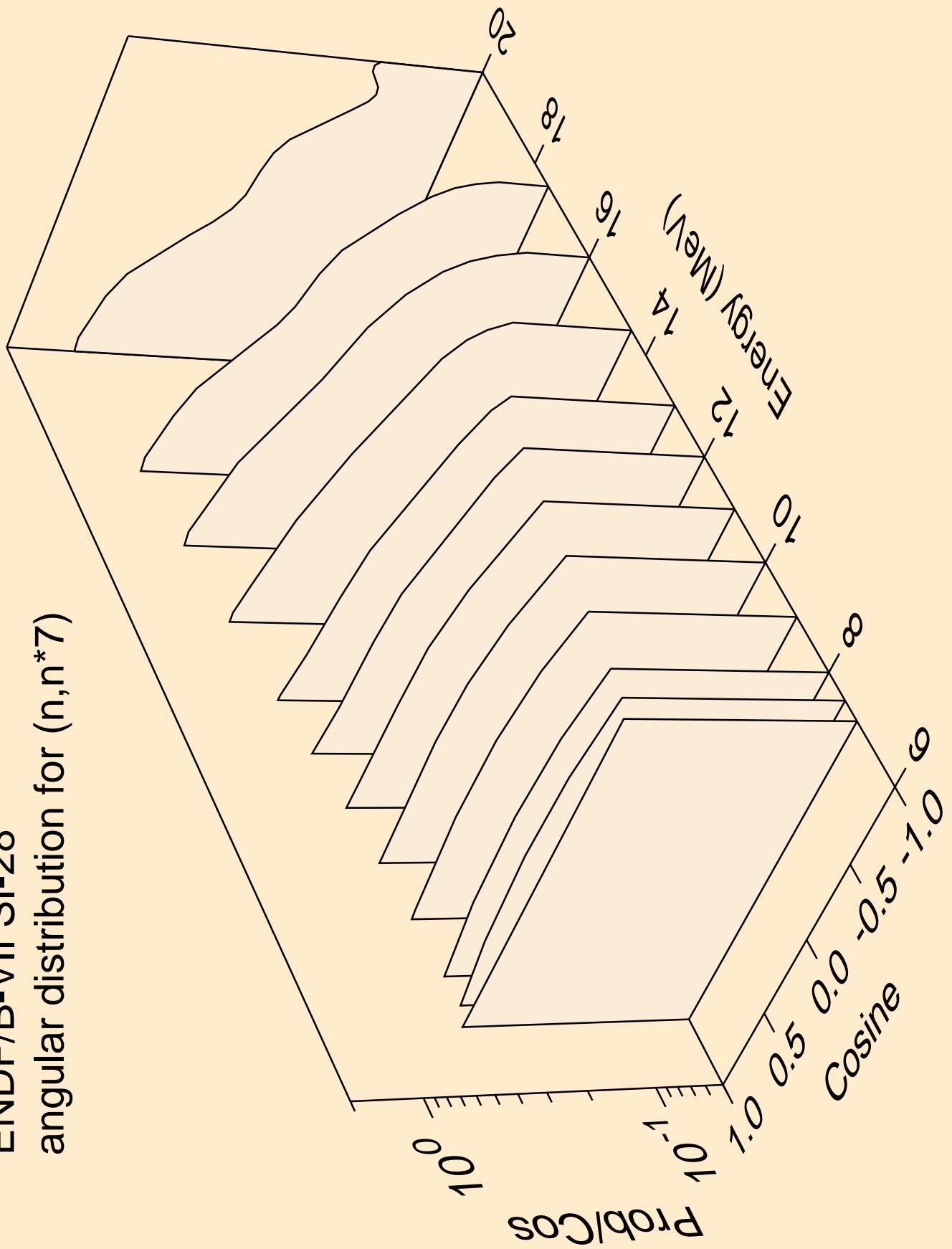
ENDF/B-VII SI-28

angular distribution for (n,n^*6)



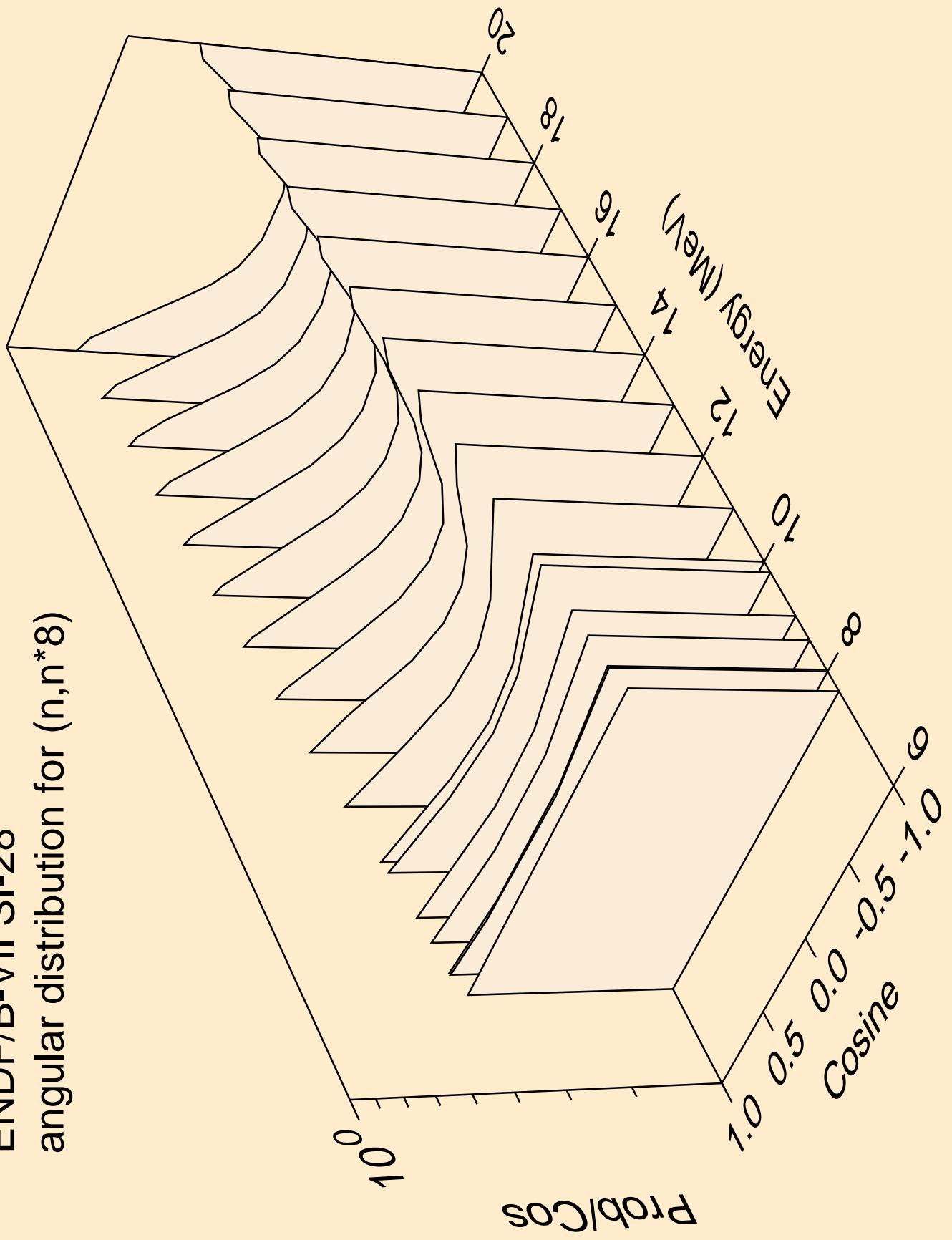
ENDF/B-VII SI-28

angular distribution for $(n,n^*)^7$



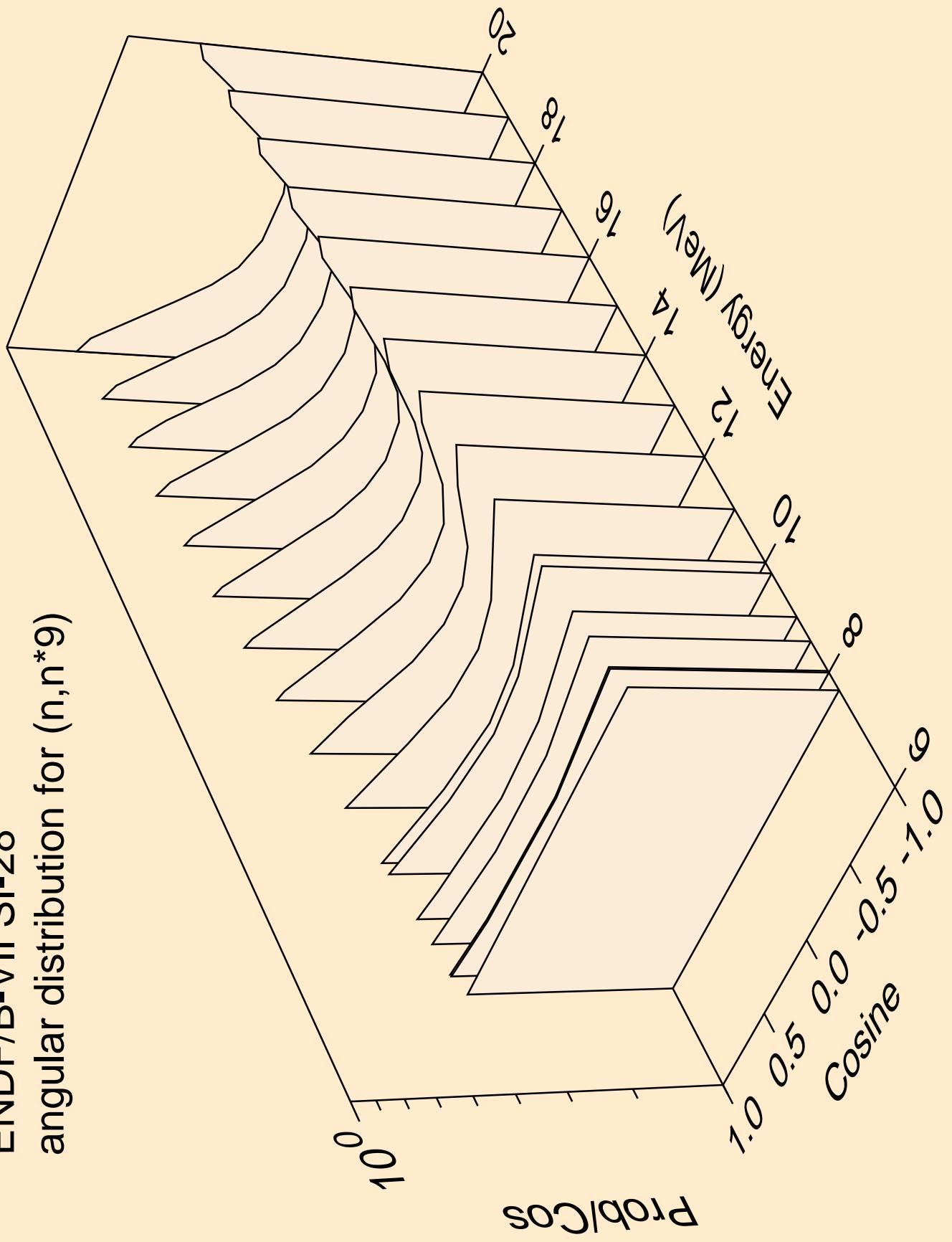
ENDF/B-VII SI-28

angular distribution for $(n,n^*)^8$



ENDF/B-VII SI-28

angular distribution for (n,n^*g)



ENDF/B-VII SI-28

angular distribution for (n,n^*10)

10^0

Prob/Cos

1.0
0.5
0.0
-0.5
-1.0
Cosine

Energy (MeV)

16

14

12

10

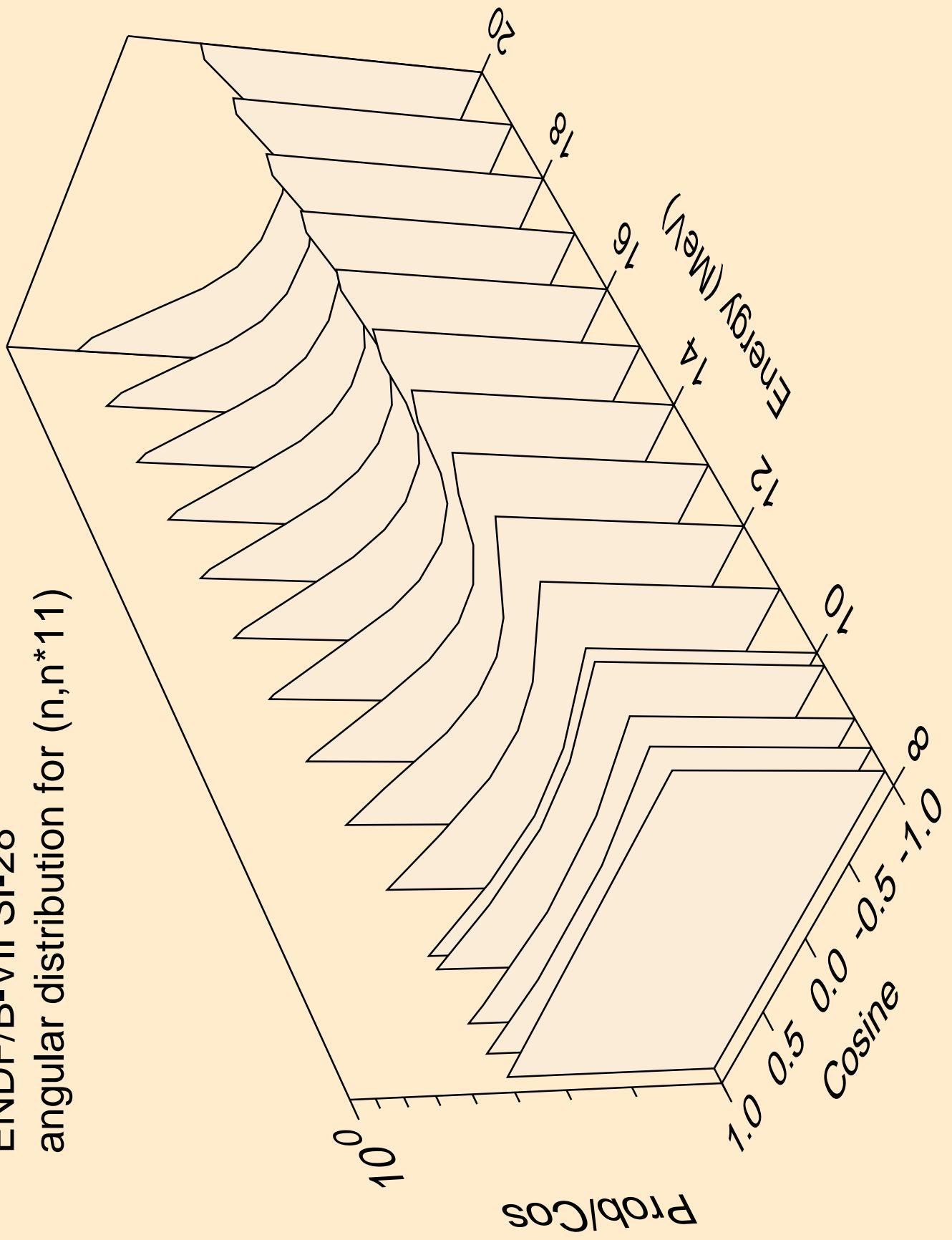
8

20

18

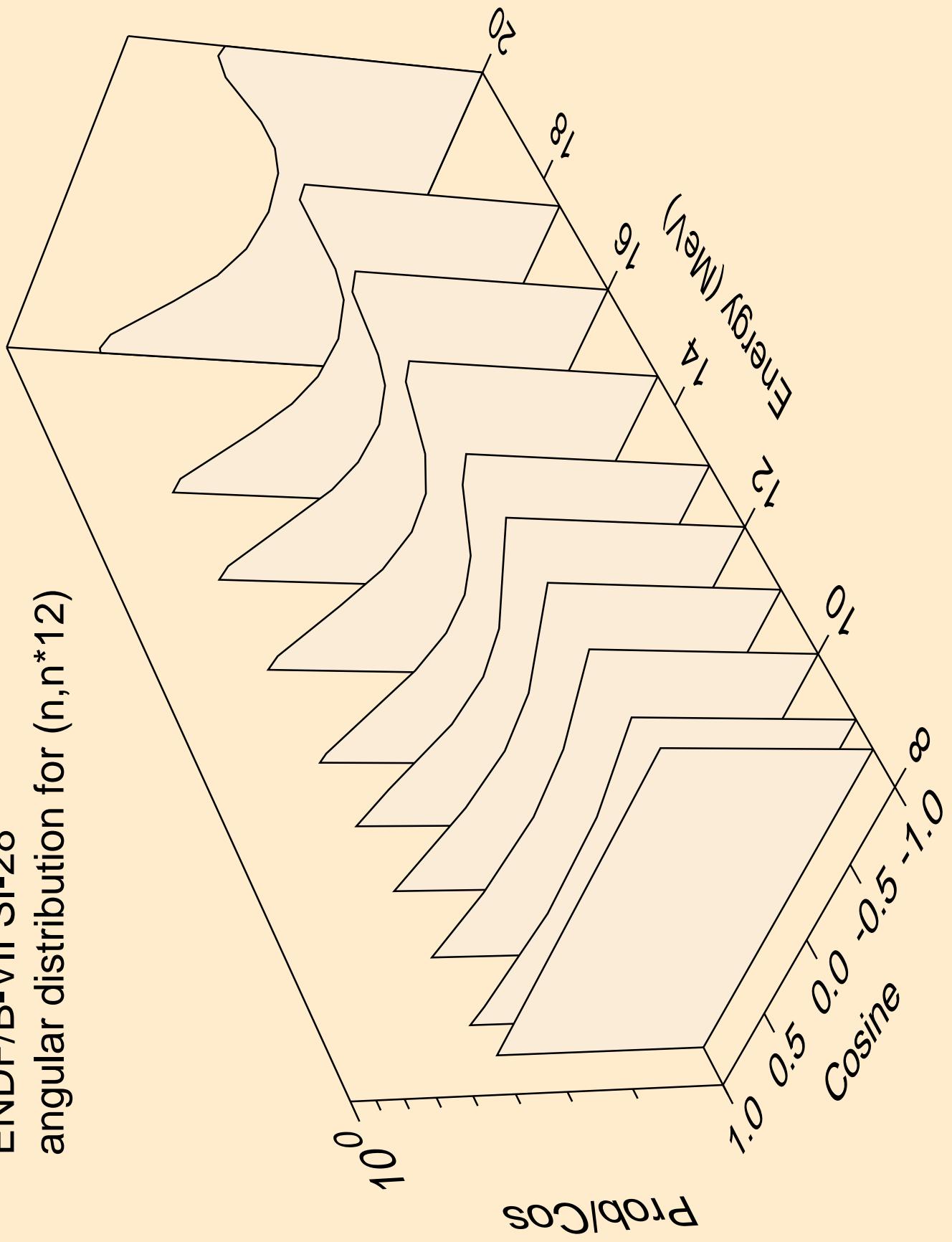
ENDF/B-VII Si-28

angular distribution for (n,n*11)



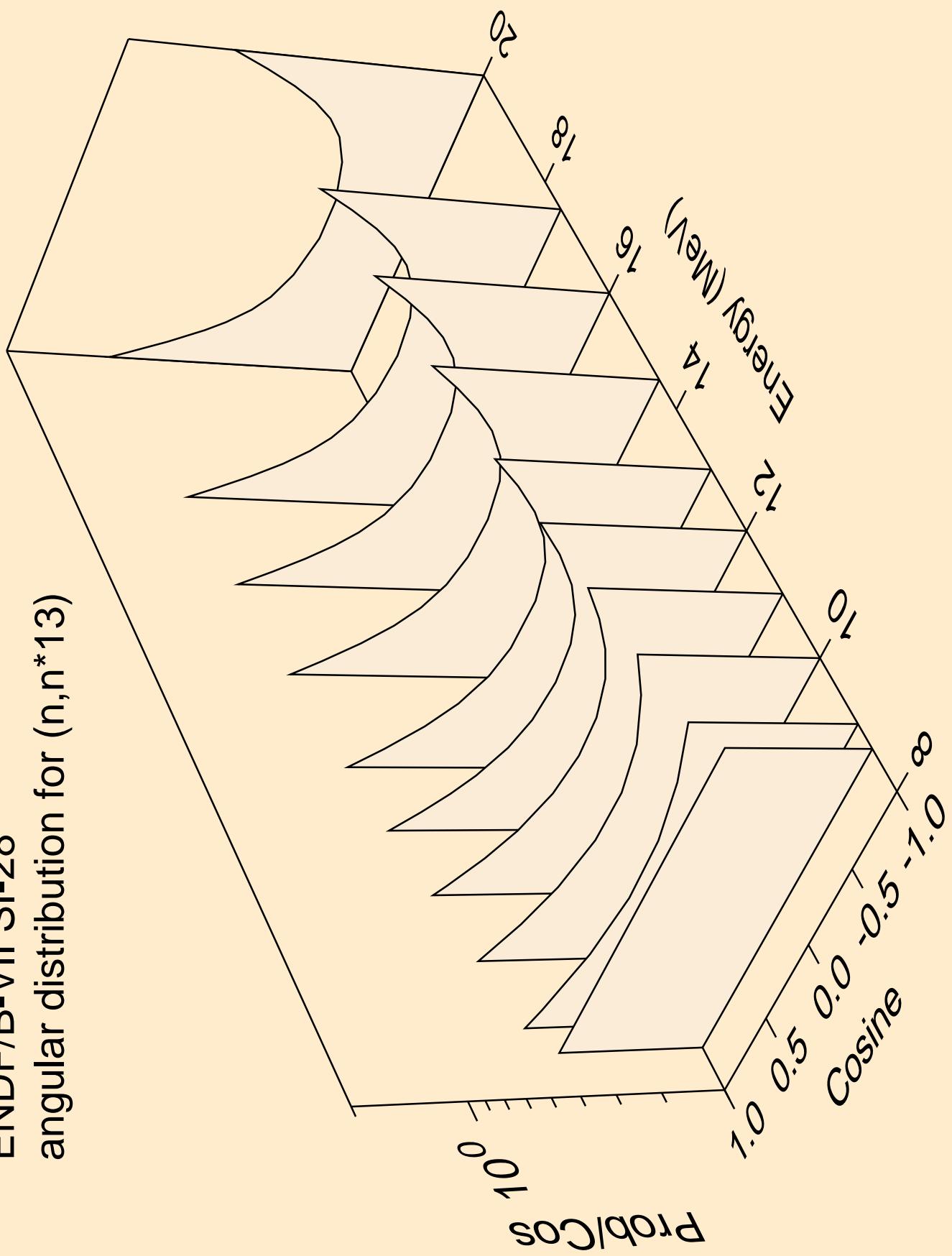
ENDF/B-VII SI-28

angular distribution for (n,n^*12)



ENDF/B-VII SI-28

angular distribution for (n,n*13)



ENDF/B-VII SI-28

angular distribution for (n,n*14)

10^0

Prob/Cos

1.0
0.5
0.0
-0.5
-1.0
Cosine

Energy (MeV)
14
16
18
20

20

18

16

14

12

10

ENDF/B-VII Si-28

angular distribution for (n,n^*15)

10^0

Prob/Cos

1.0
0.5
0.0
-0.5
-1.0
Cosine

Energy (MeV)

20

18

16

14

12

10

8

ENDF/B-VII Si-28

angular distribution for (n,n*16)

10^0

Prob/Cos

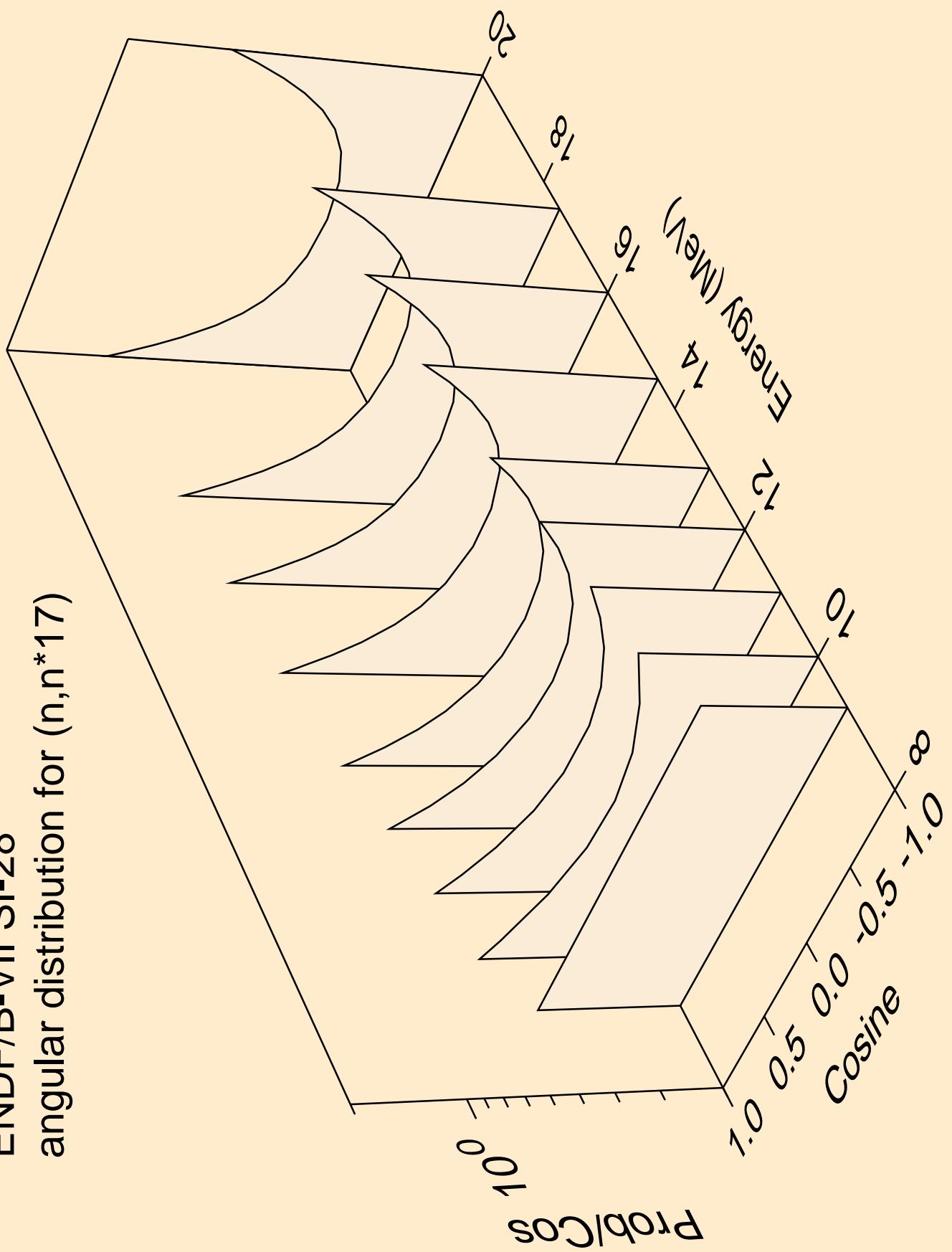
1.0
0.5
0.0
-0.5
-1.0
Cosine

Energ (MeV)

20
18
16
14
12
10
8
6
4
2
0

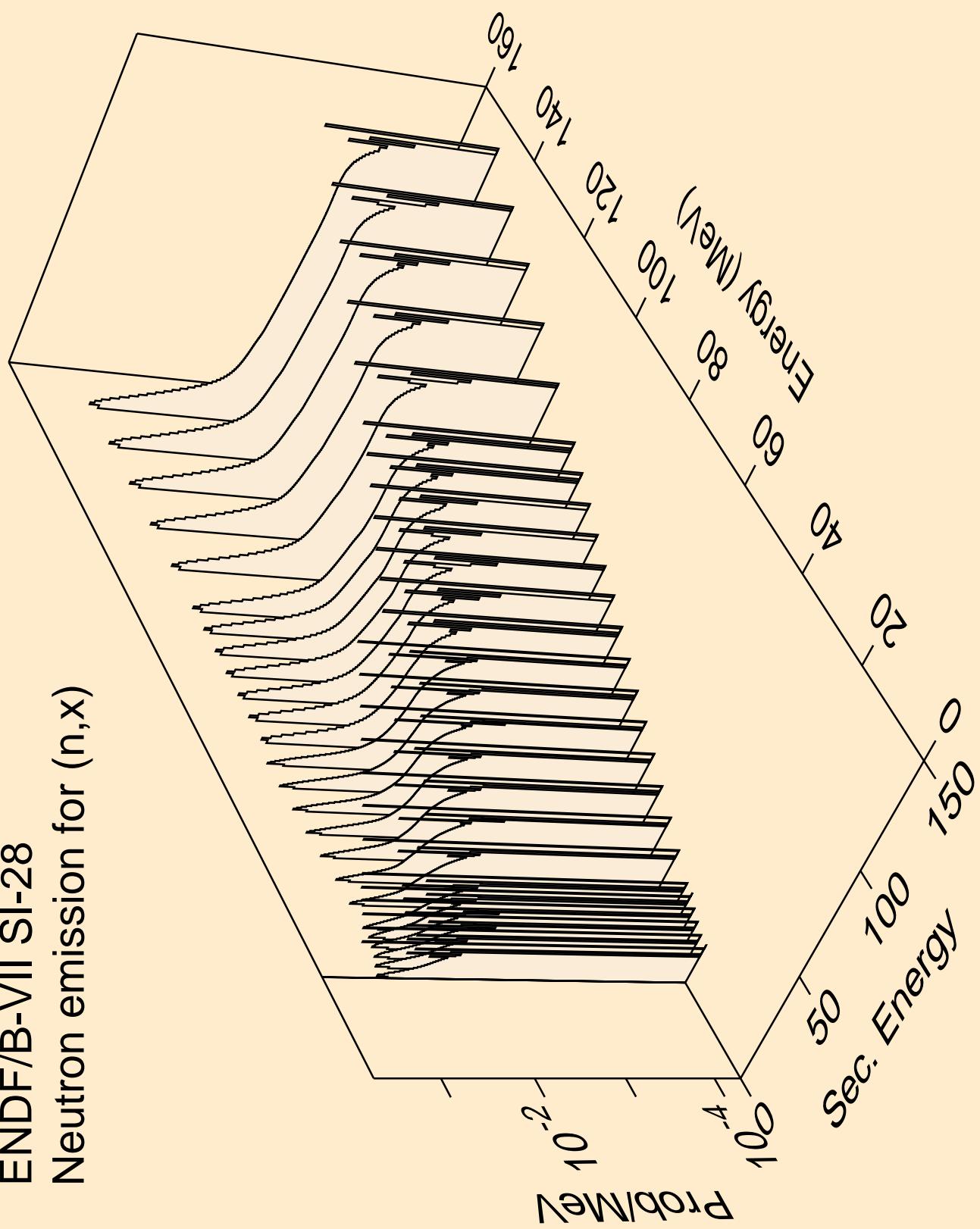
ENDF/B-VII SI-28

angular distribution for (n,n^*17)

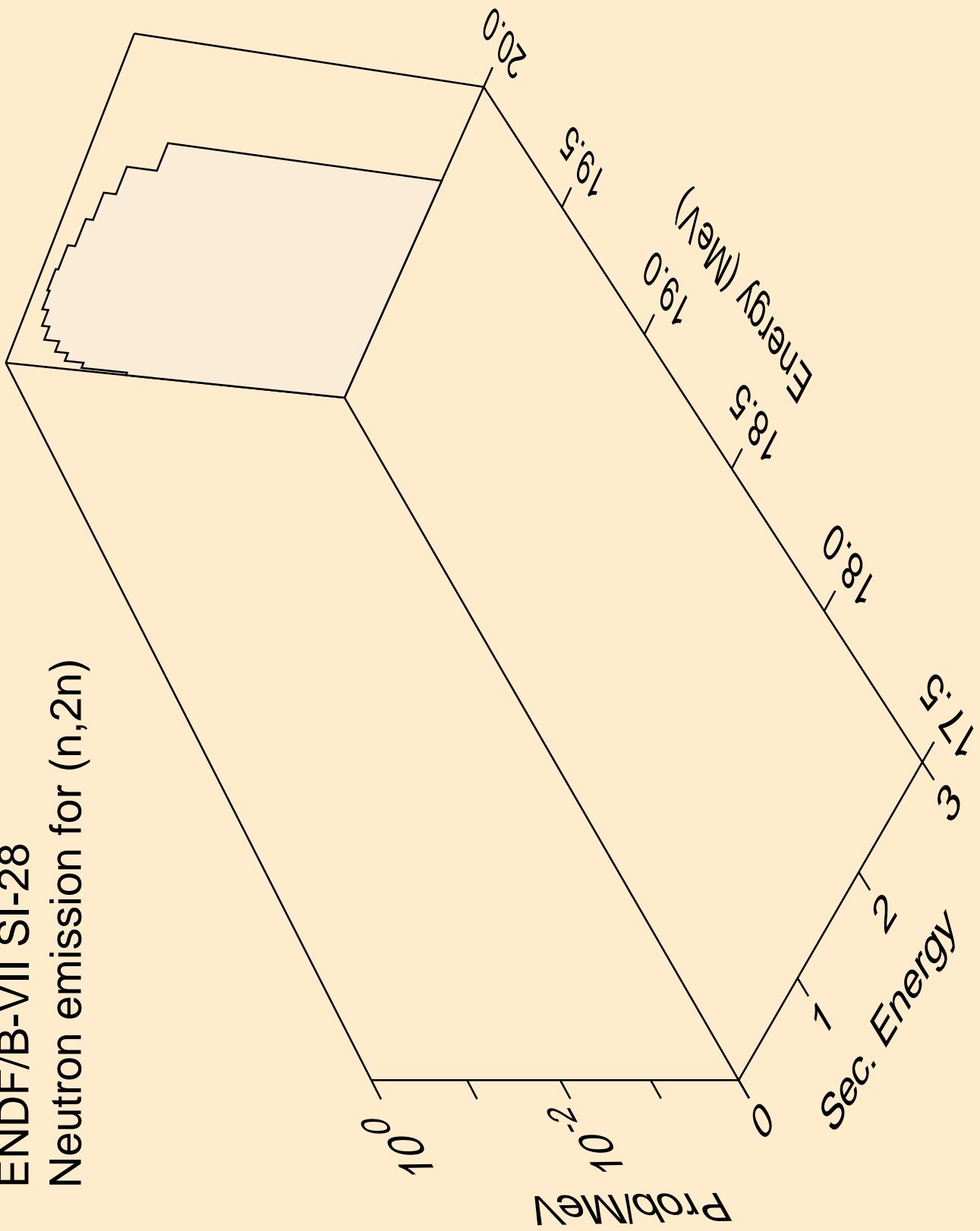


ENDF/B-VII SI-28

Neutron emission for (n,x)

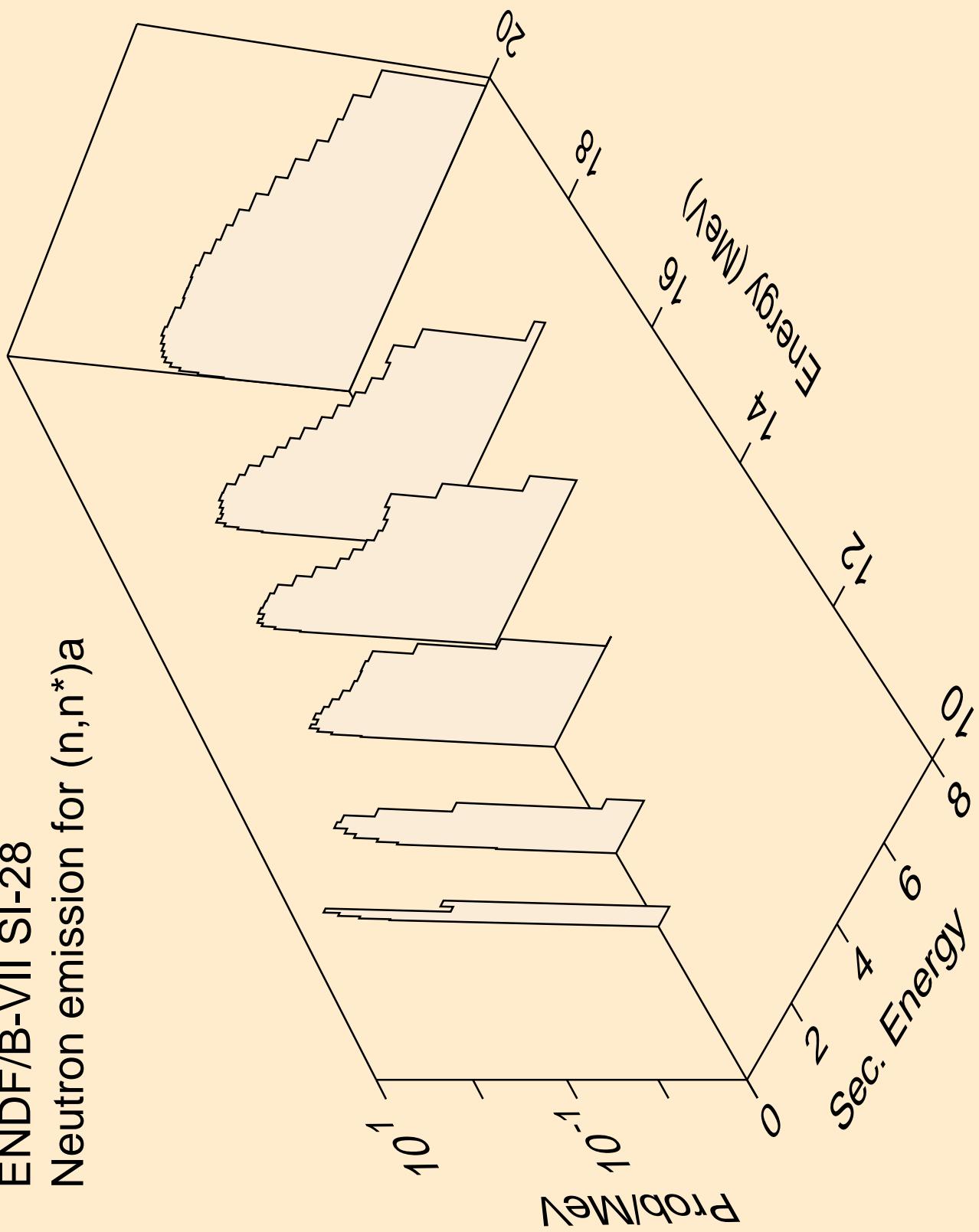


ENDF/B-VII Si-28
Neutron emission for (n,2n)



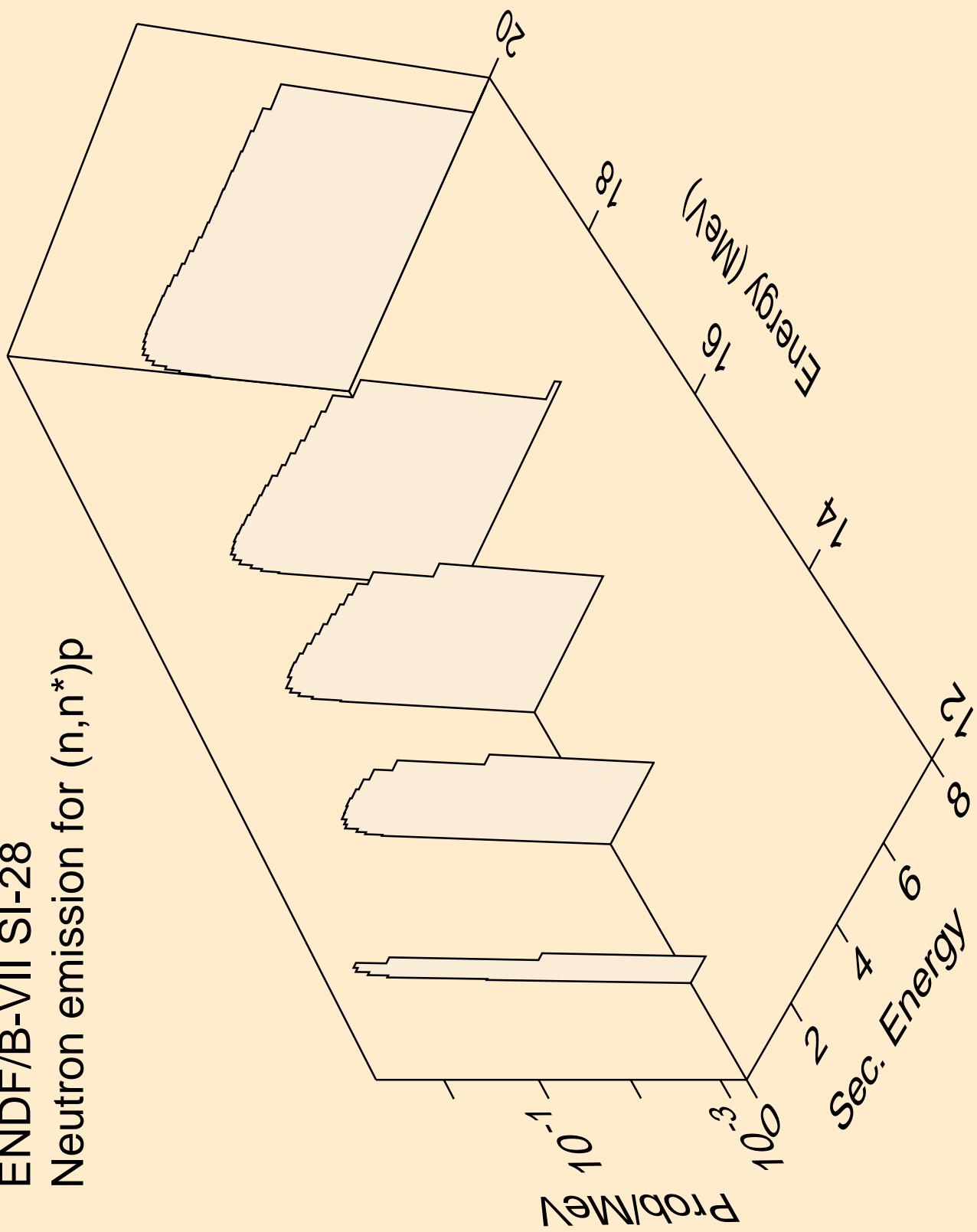
ENDF/B-VII Si-28

Neutron emission for $(n, n^*) a$



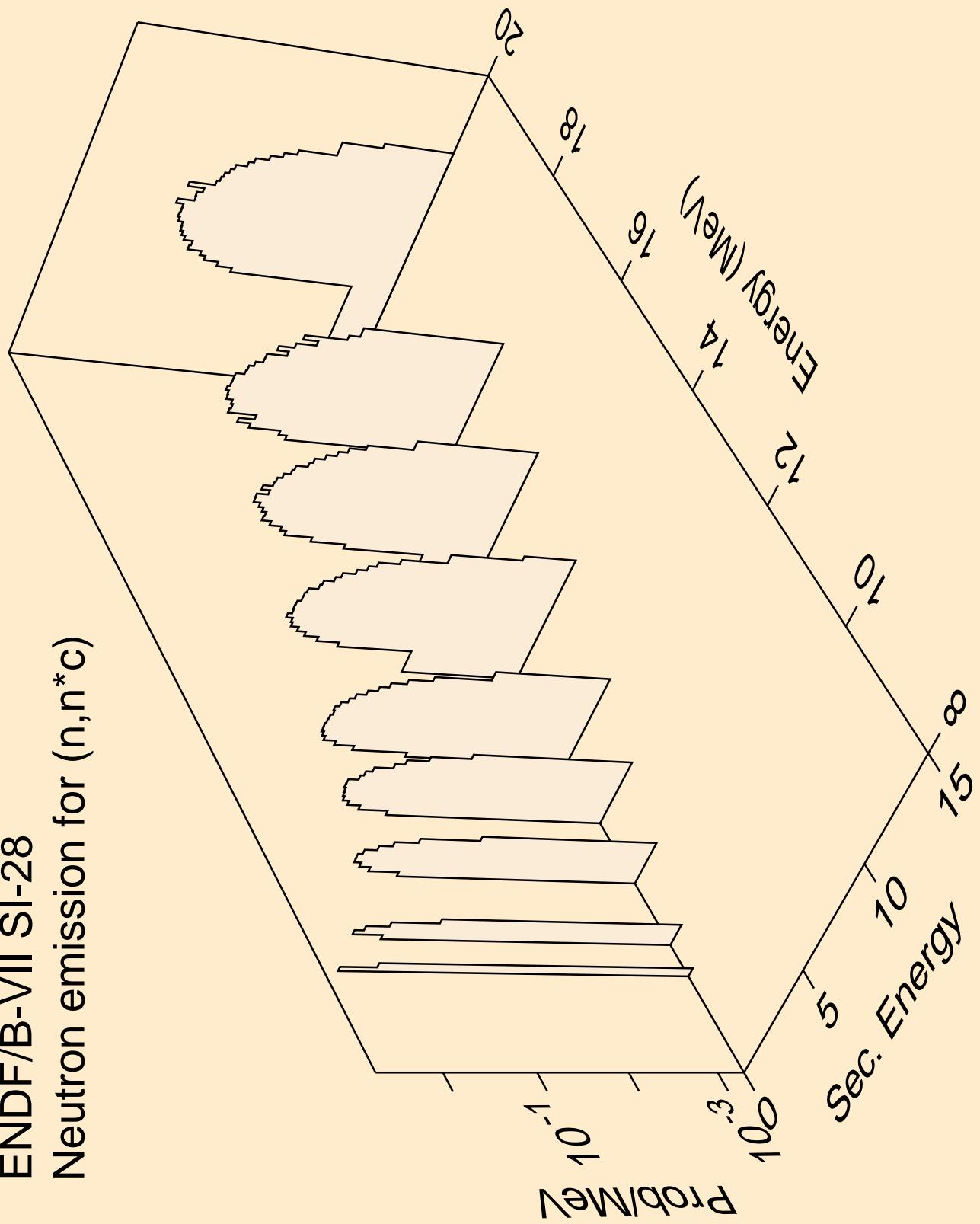
ENDF/B-VII Si-28

Neutron emission for $(n, n^*)p$

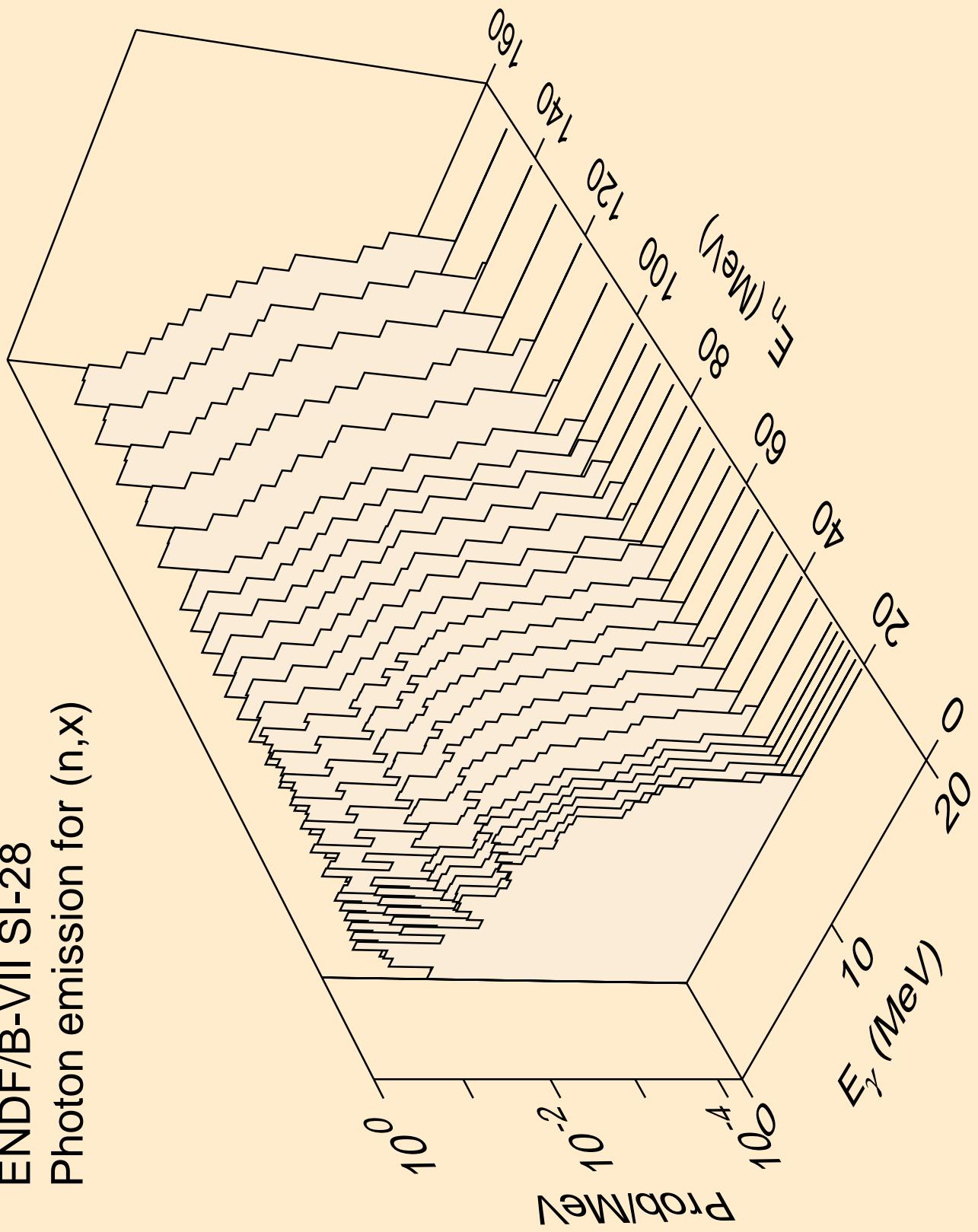


ENDF/B-VII Si-28

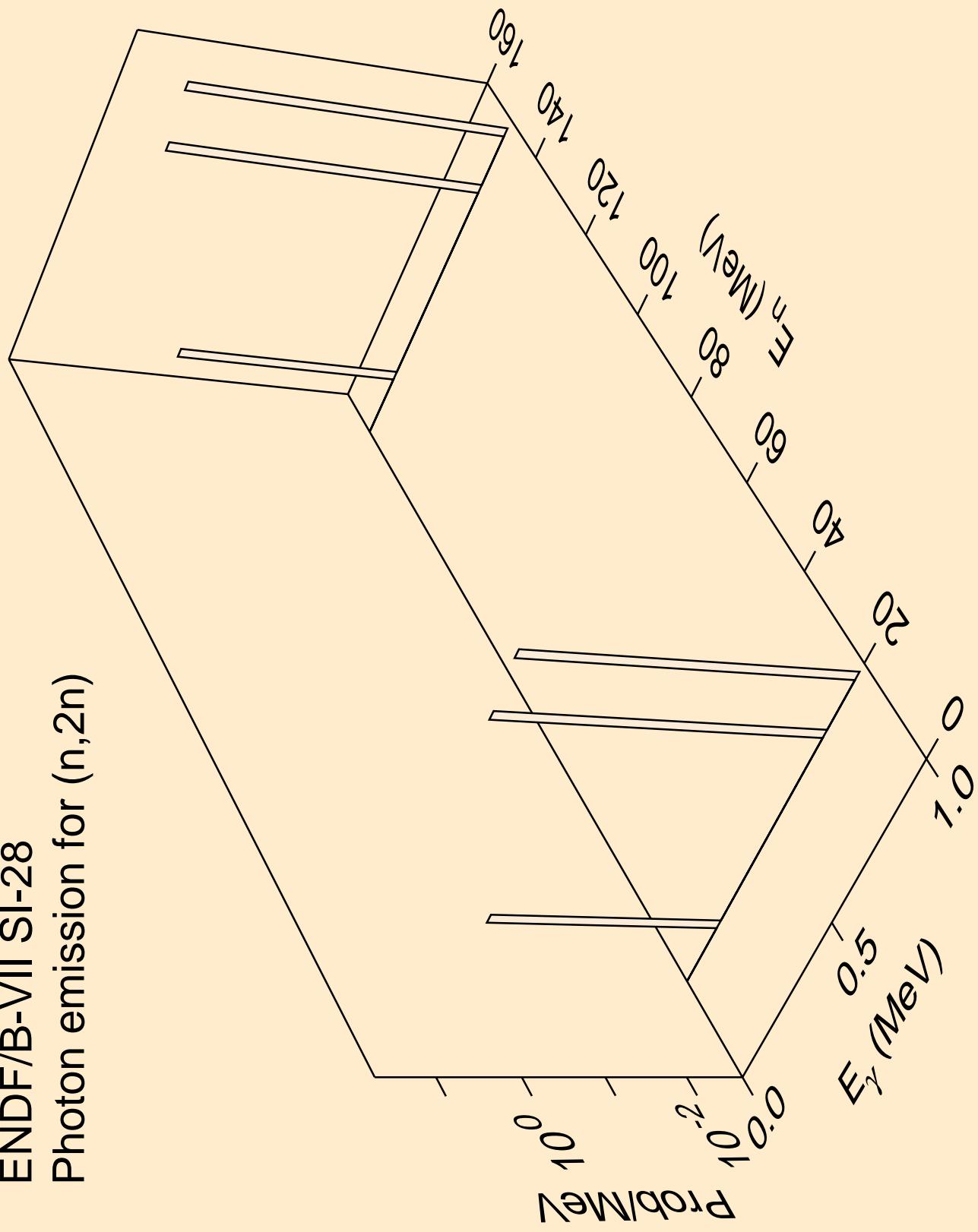
Neutron emission for $(n, n^* c)$



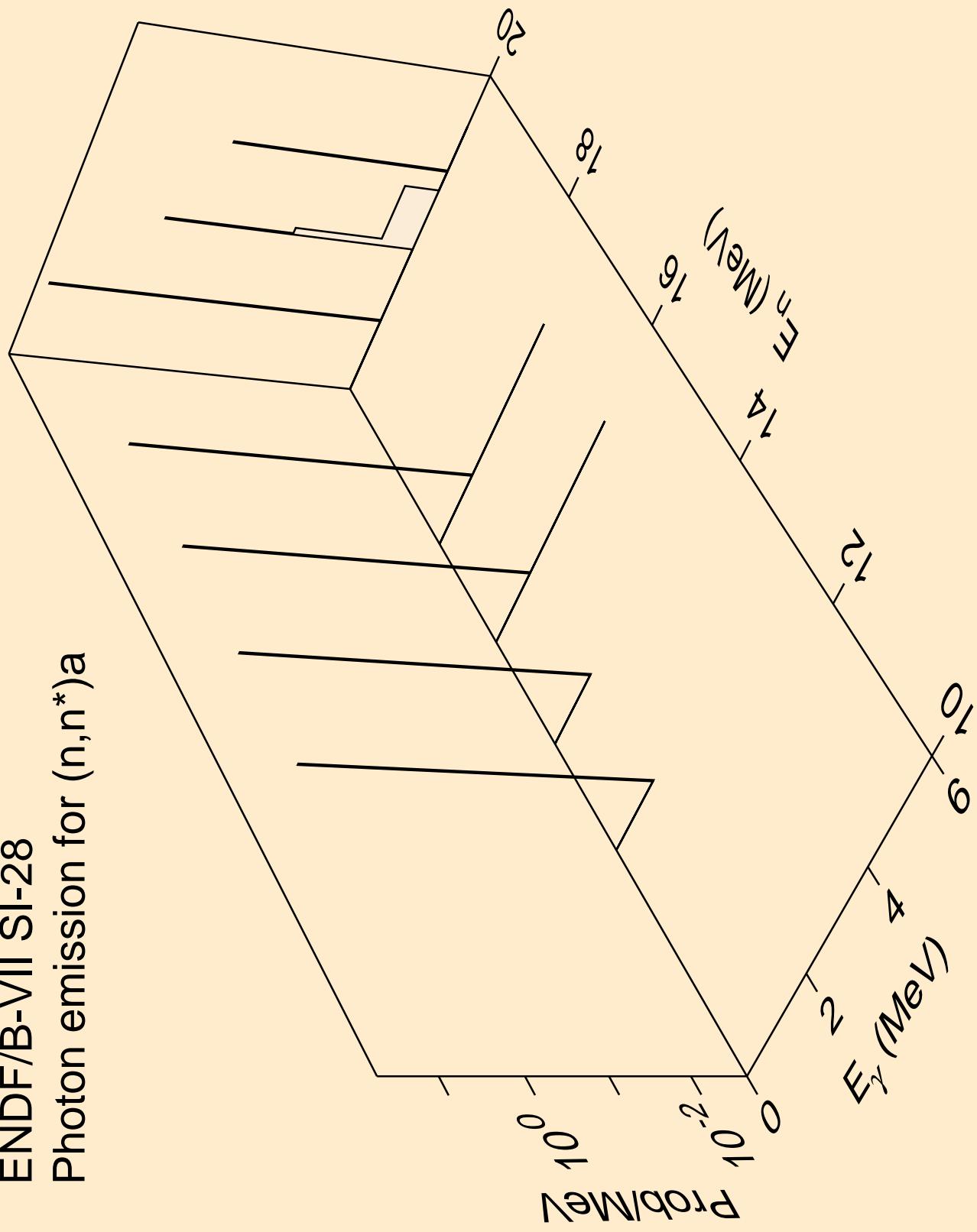
ENDF/B-VII Si-28
Photon emission for (n, x)



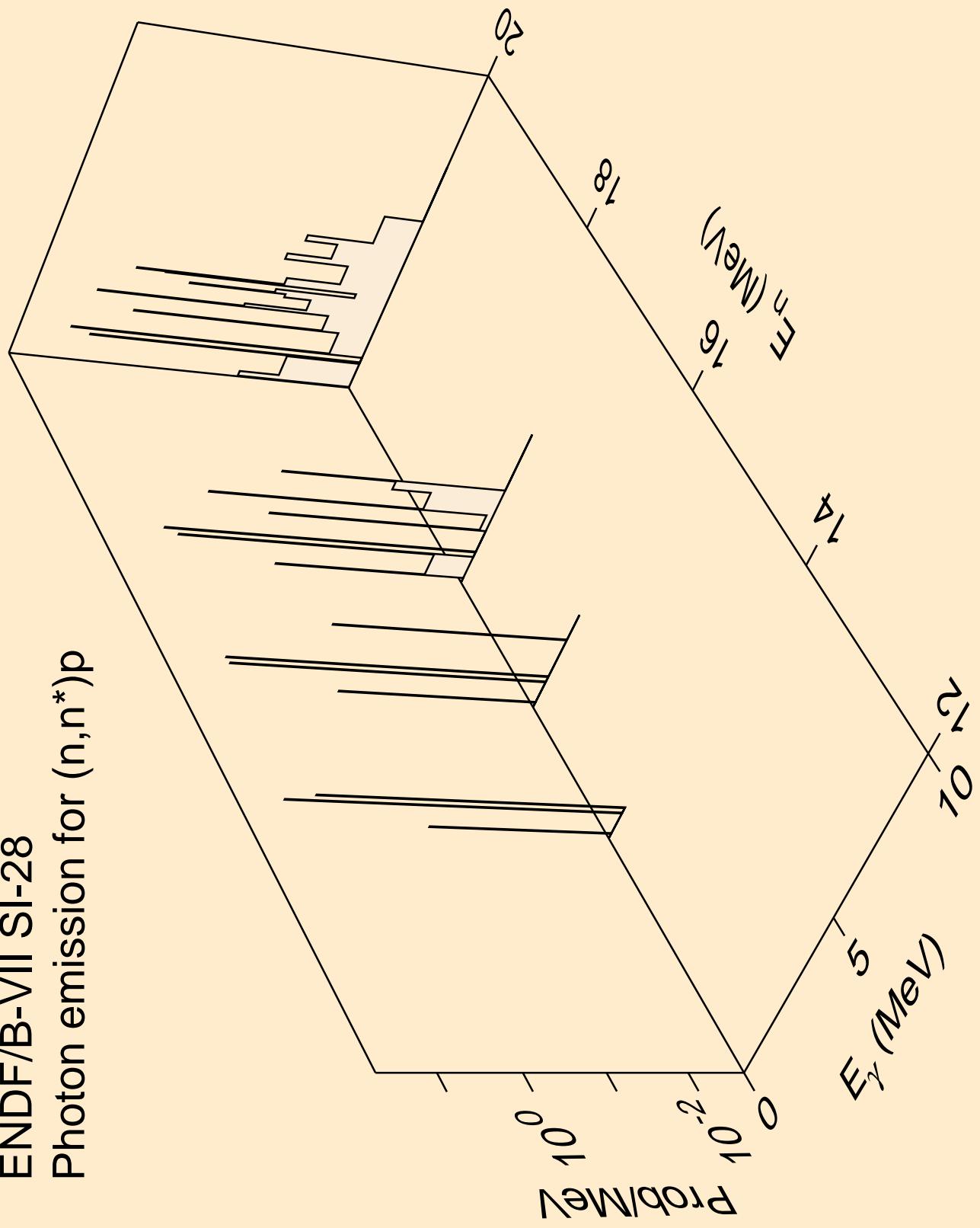
ENDF/B-VII Si-28
Photon emission for $(n,2n)$



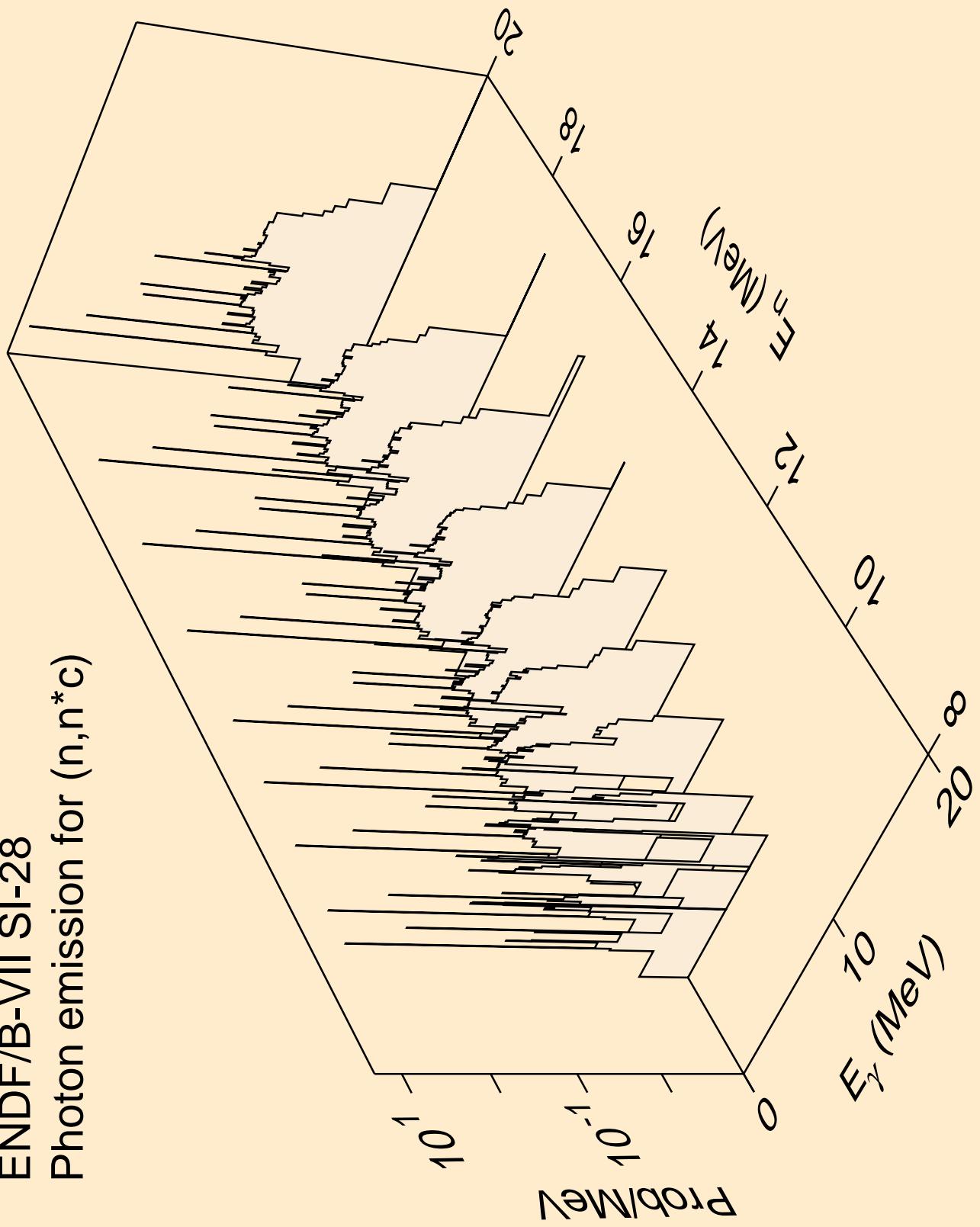
ENDF/B-VII Si-28
Photon emission for $(n, n^*)\alpha$



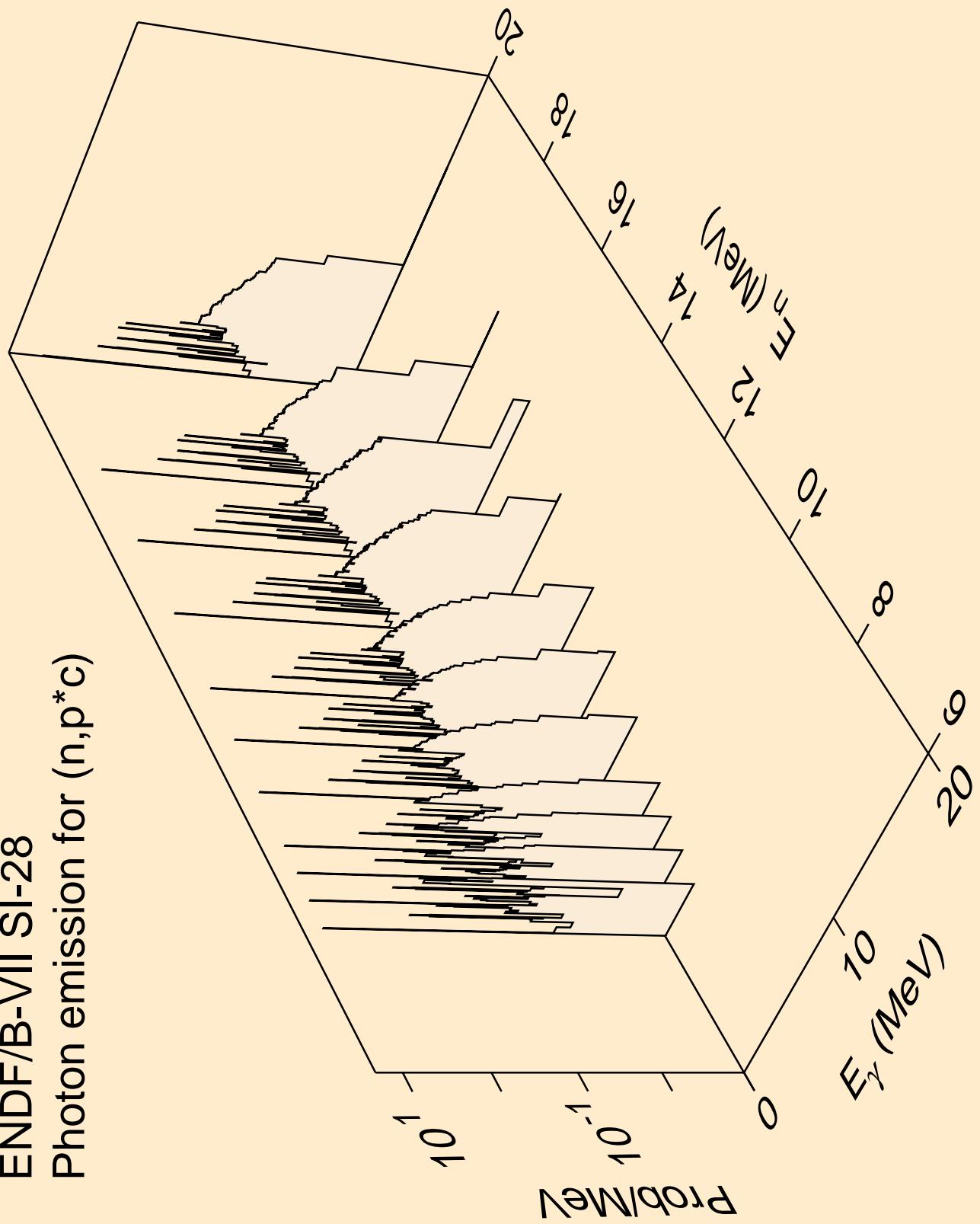
ENDF/B-VII Si-28
Photon emission for $(n, n^*)p$



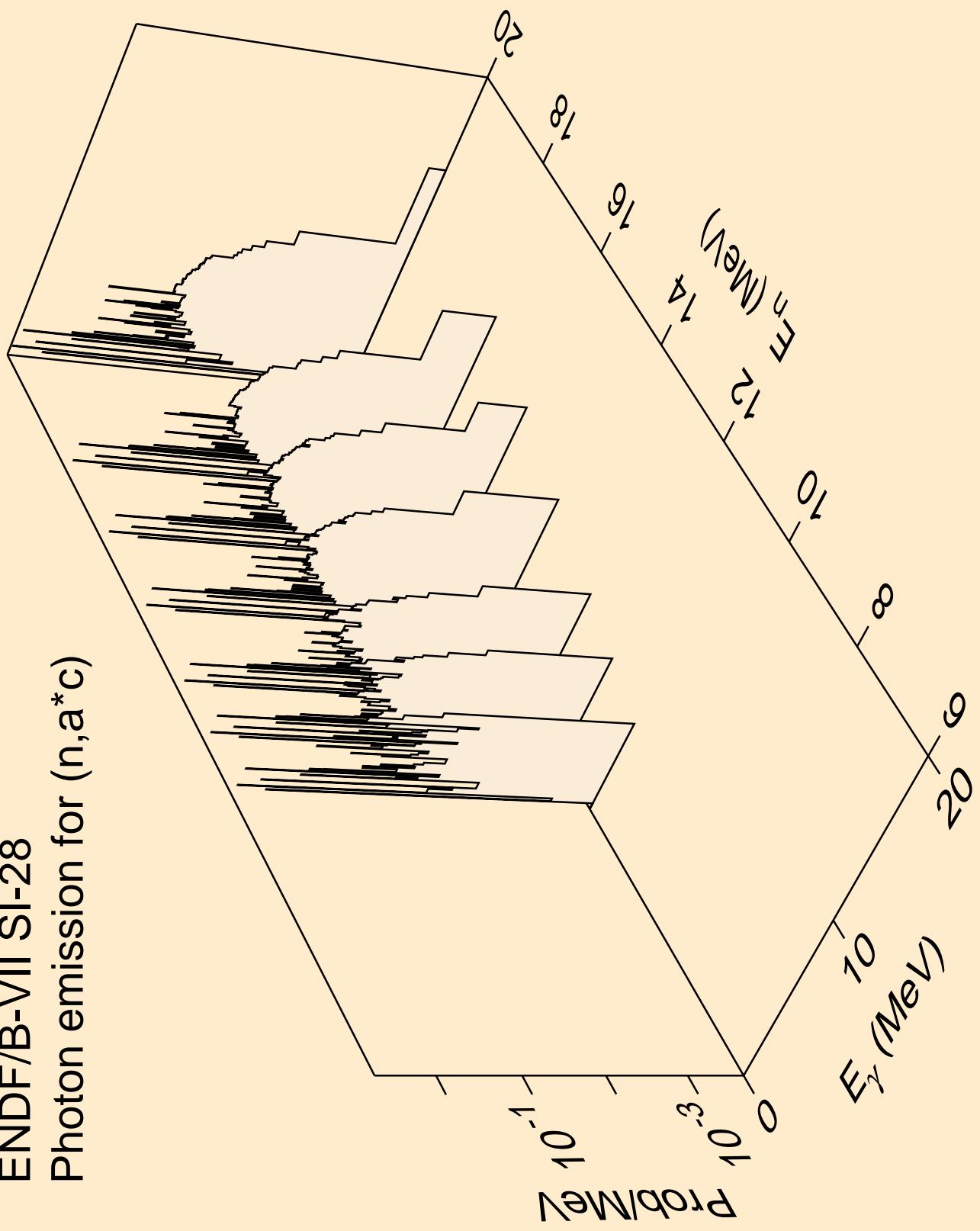
ENDF/B-VII SI-28
Photon emission for (n, n^*c)



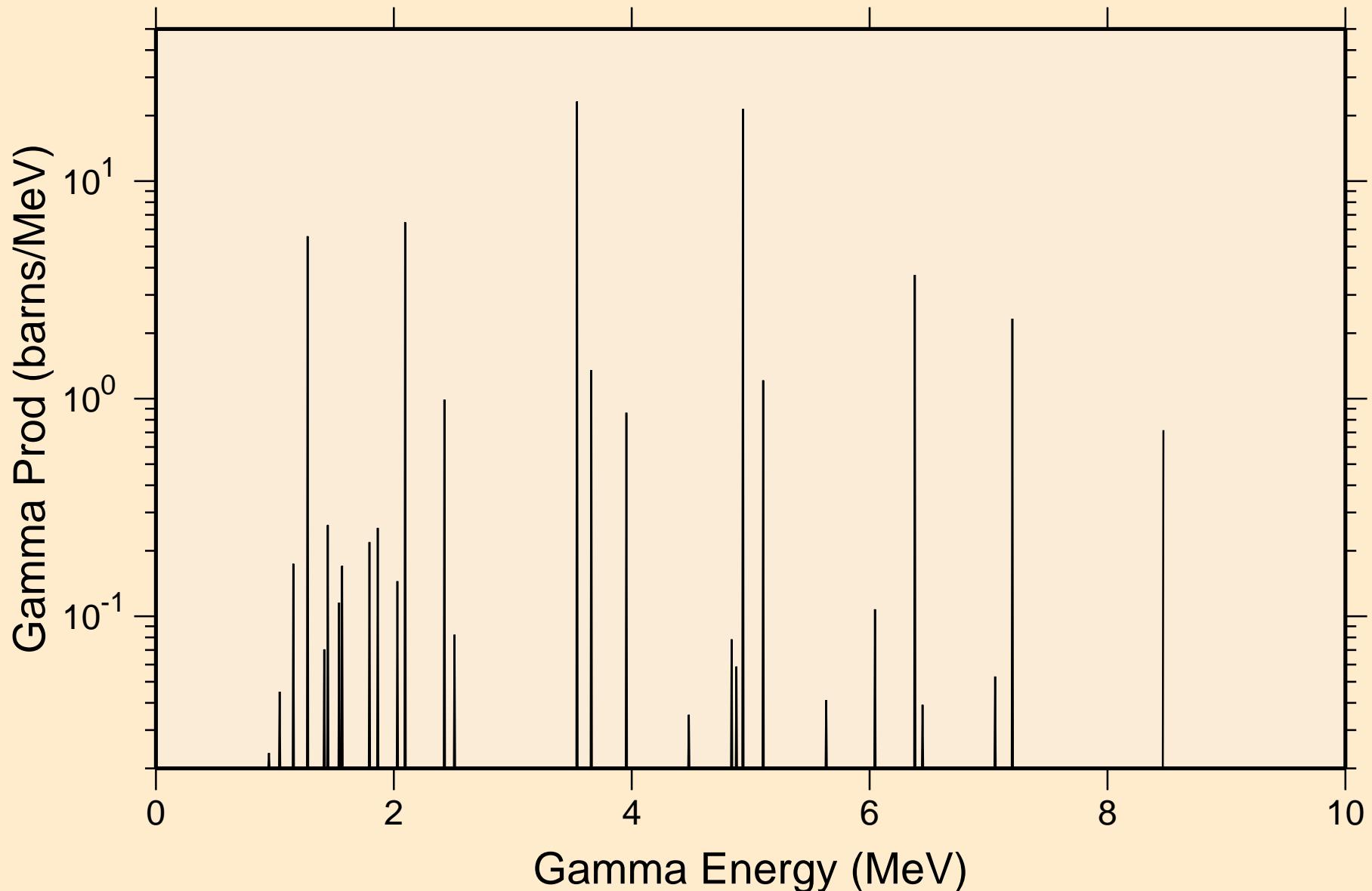
ENDF/B-VII Si-28
Photon emission for $(n, p^* c)$



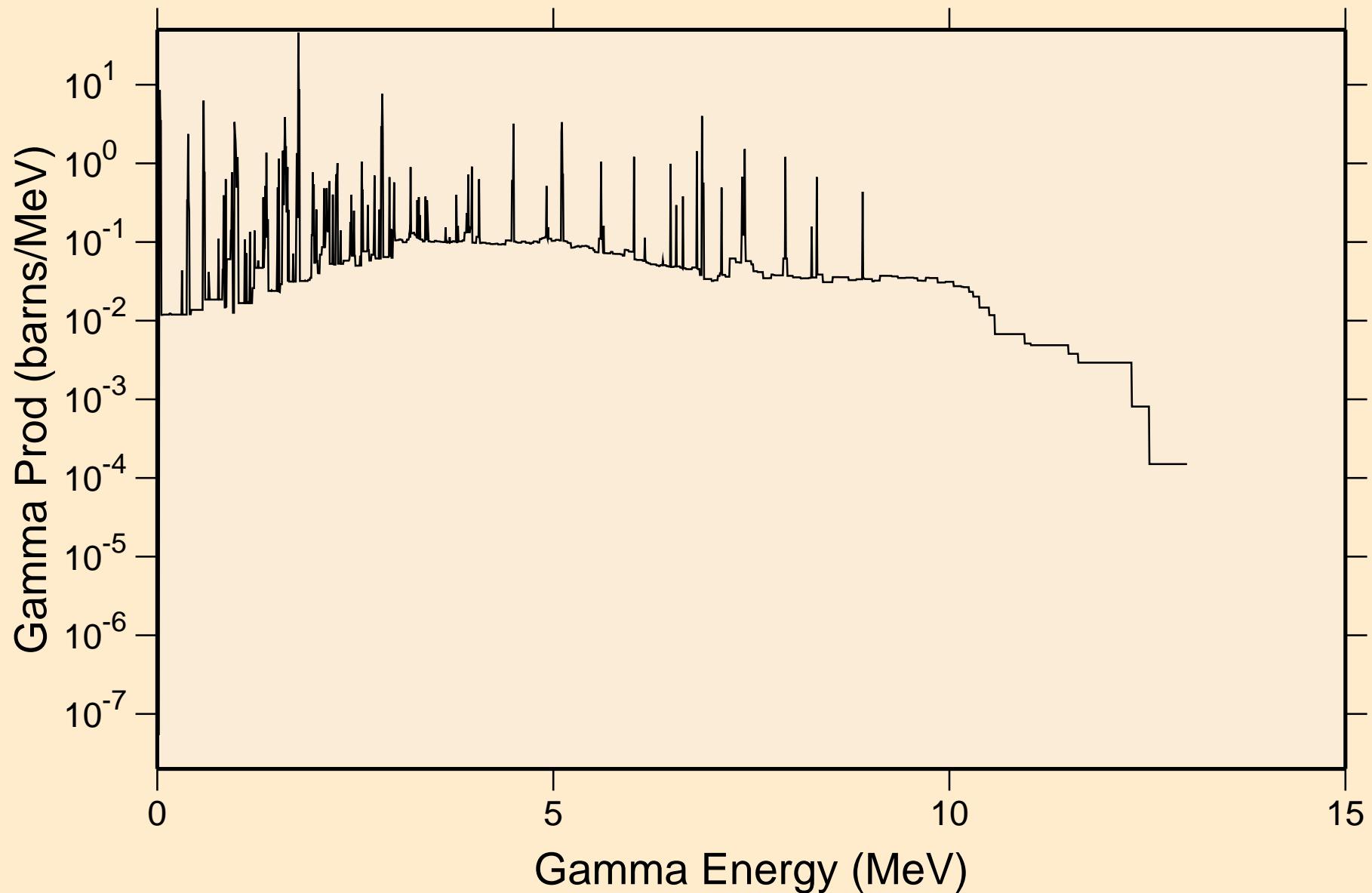
ENDF/B-VII Si-28
Photon emission for $(n, a^* c)$



ENDF/B-VII SI-28
thermal capture photon spectrum

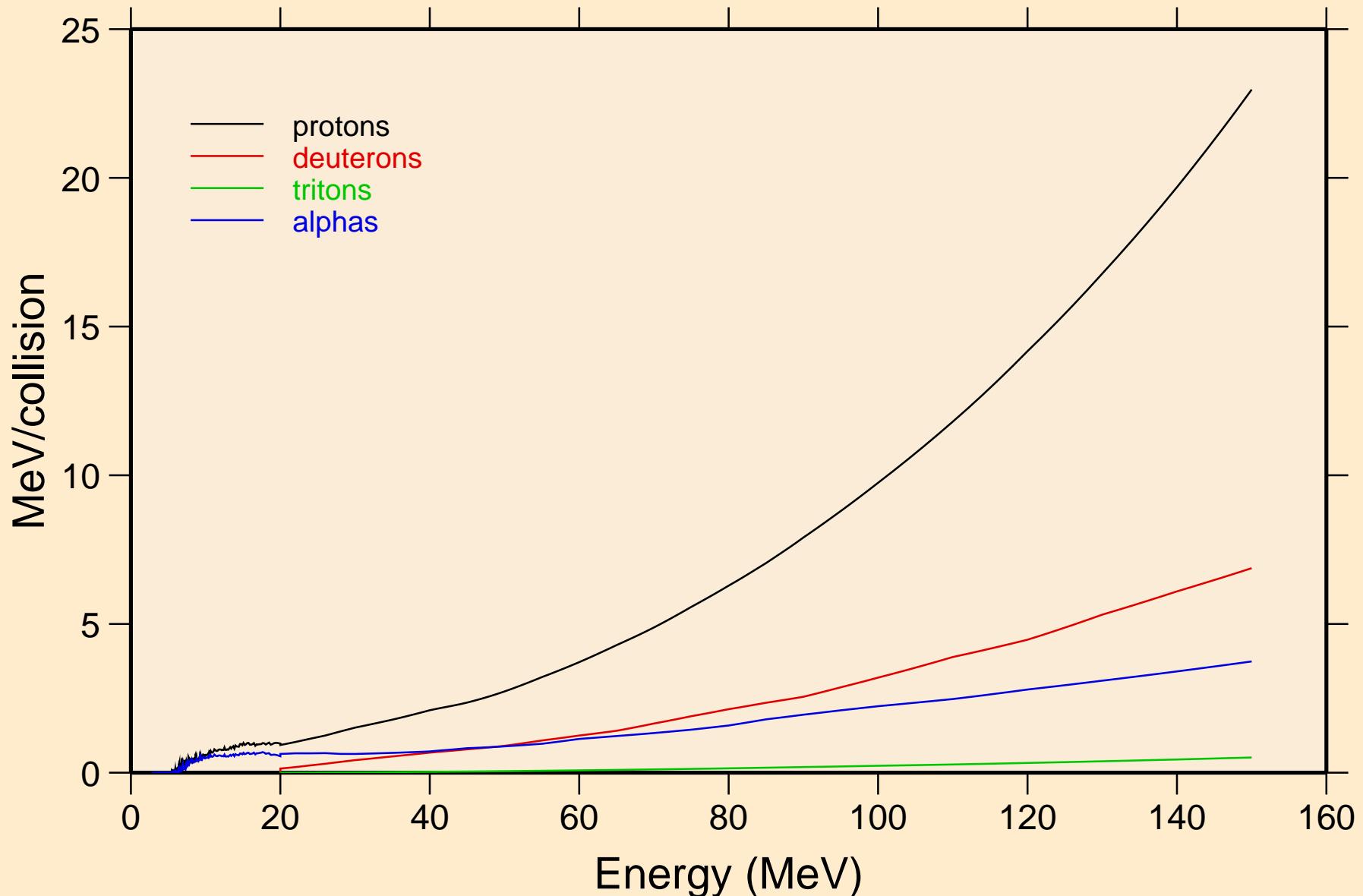


ENDF/B-VII SI-28
14 MeV photon spectrum

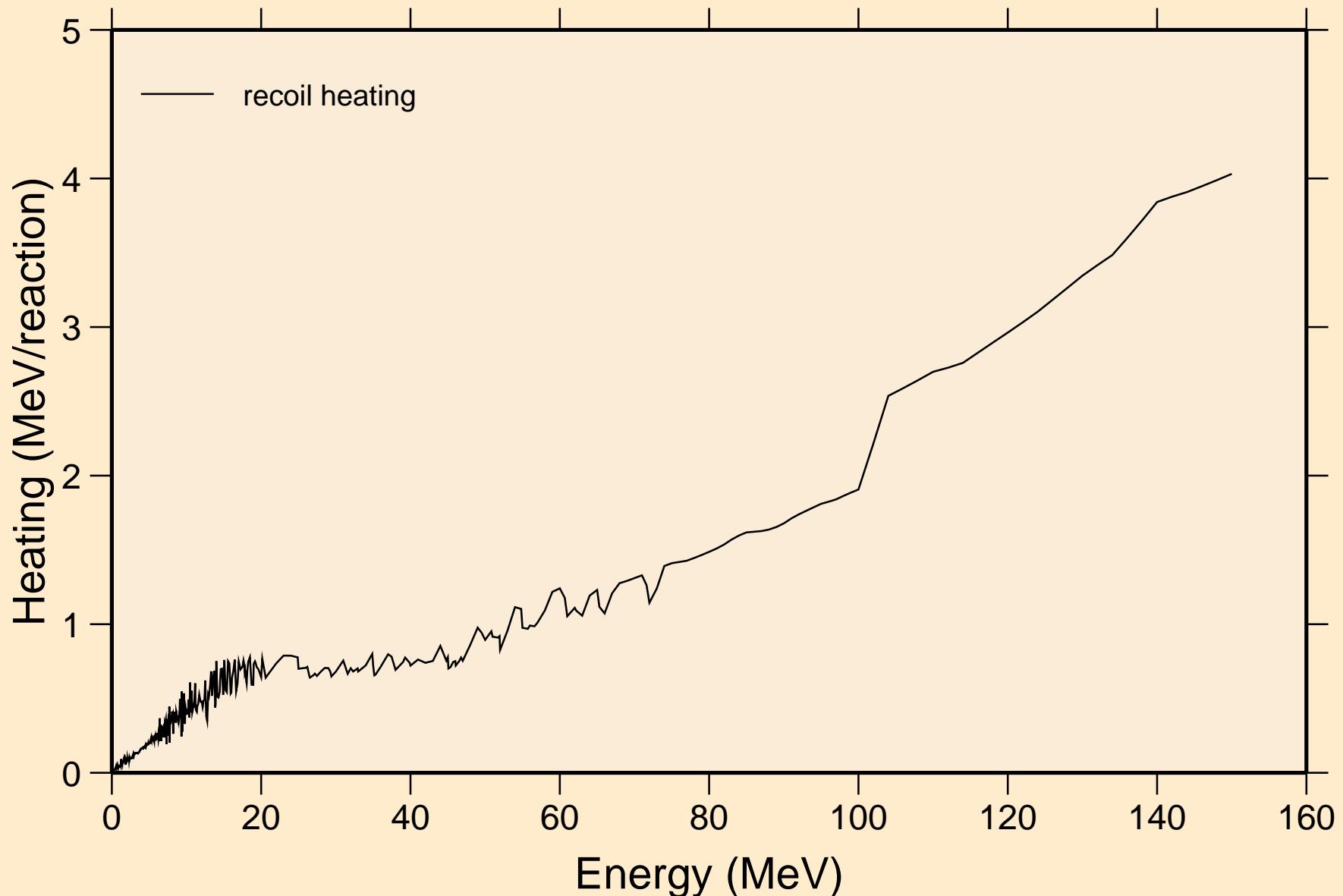


ENDF/B-VII SI-28

Particle heating contributions

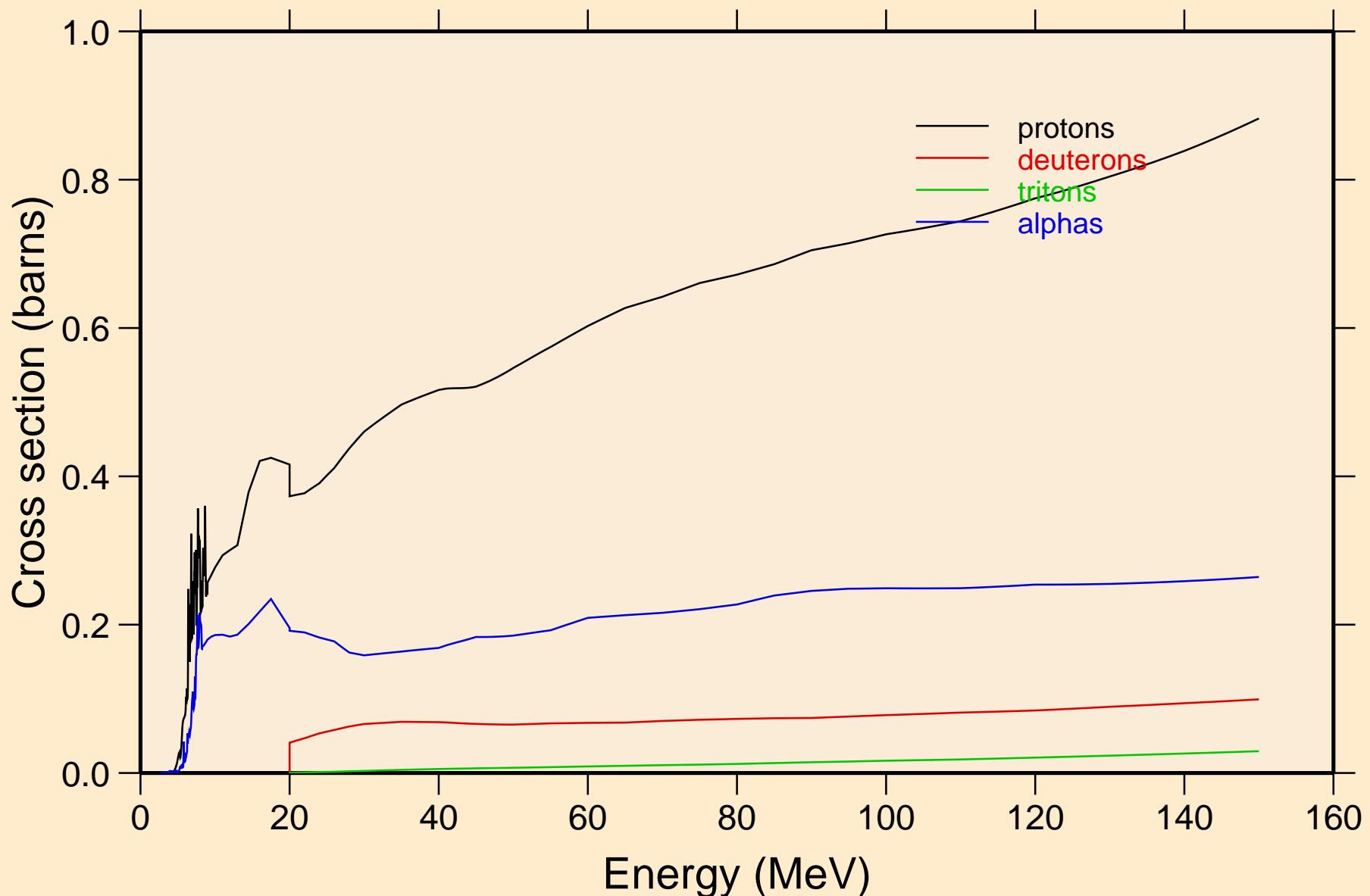


ENDF/B-VII SI-28
Recoil Heating

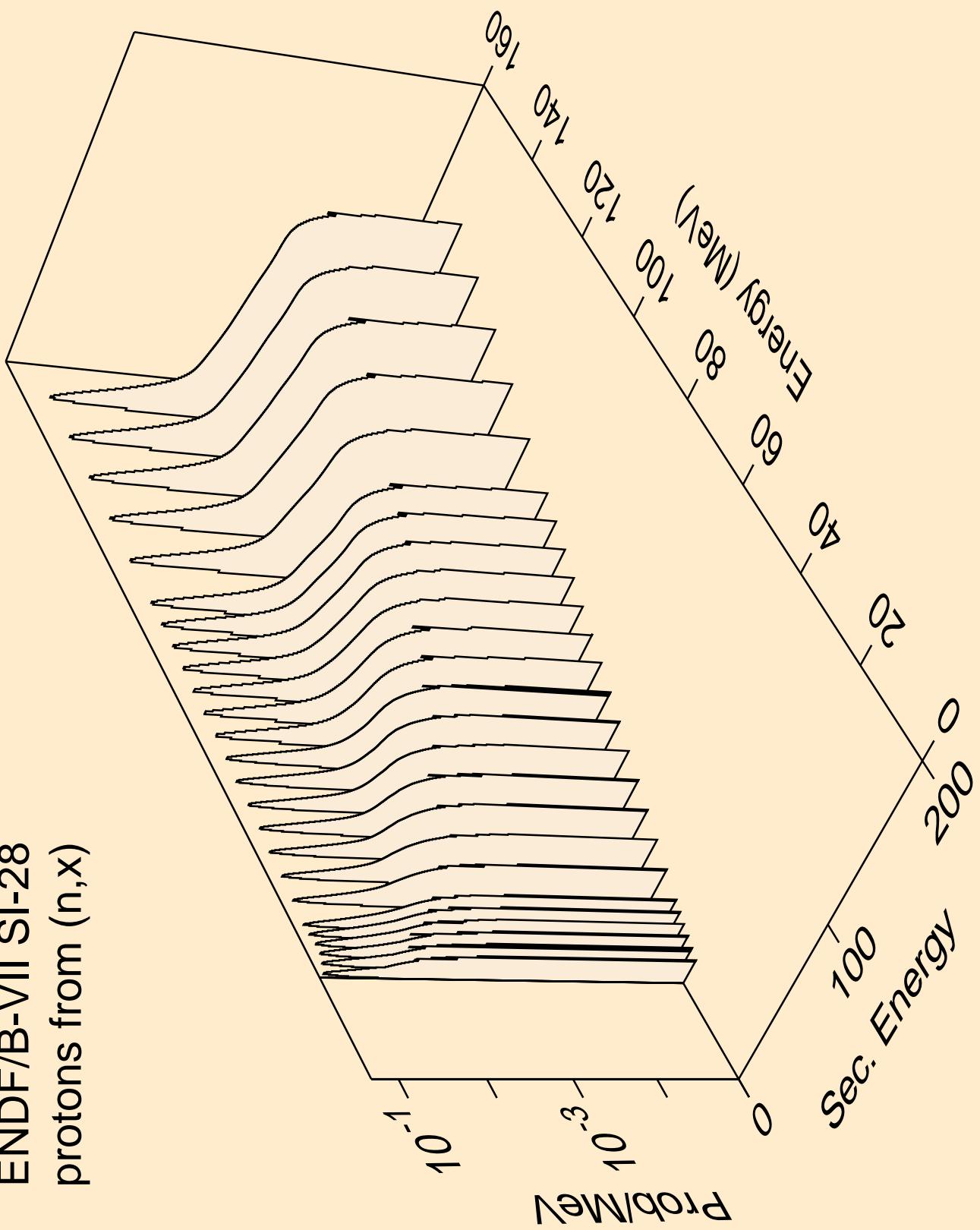


ENDF/B-VII SI-28

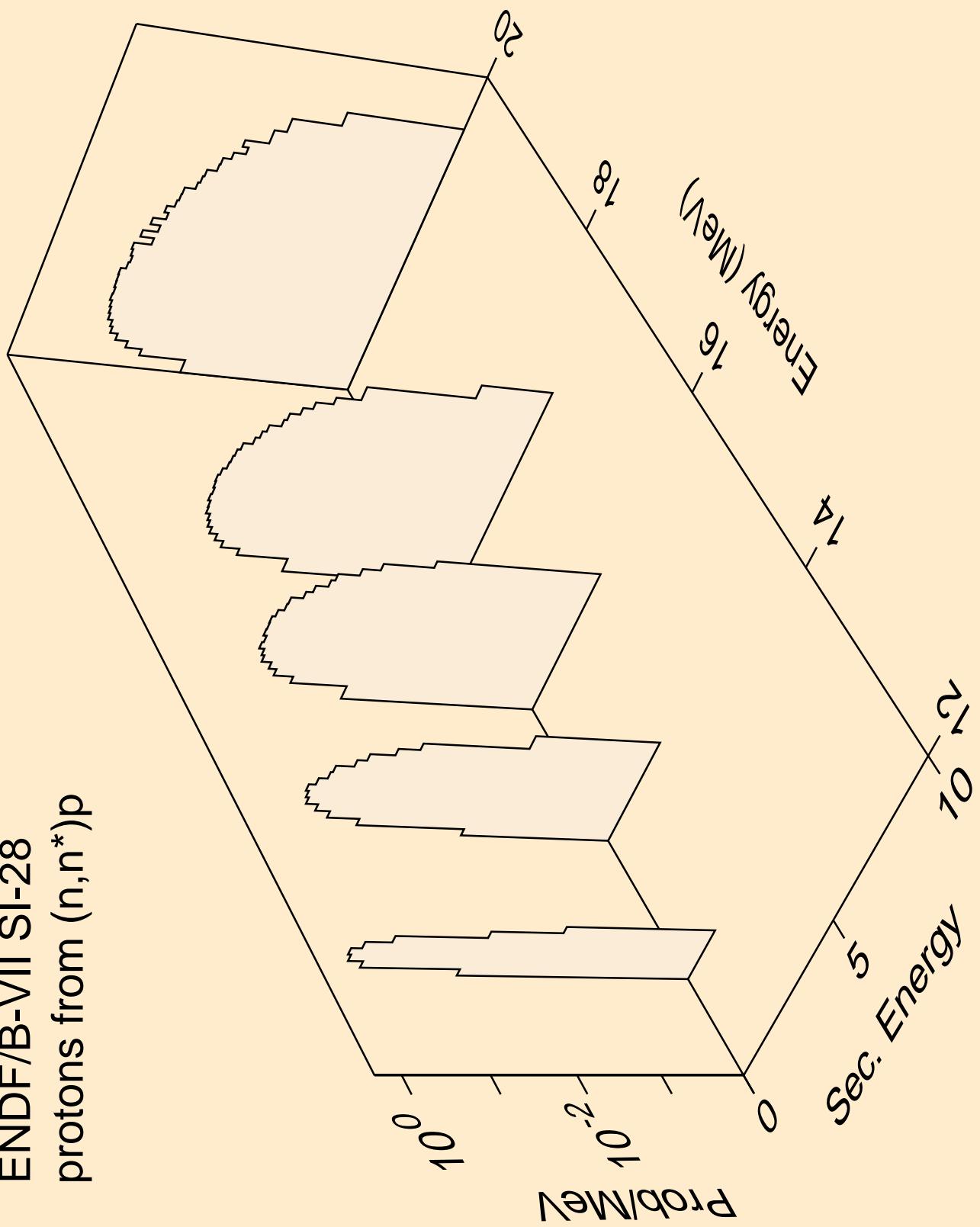
Particle production cross sections



ENDF/B-VII Si-28
protons from (n, α)



ENDF/B-VII Si-28
protons from $(n, n^*)p$



ENDF/B-VII Si-28

angular distribution for (n,p^*0) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

Δ

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

o

<

ENDF/B-VII SI-28

angular distribution for (n,p^*1) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

Energy (MeV)

20

18

16

14

12

10

8

6

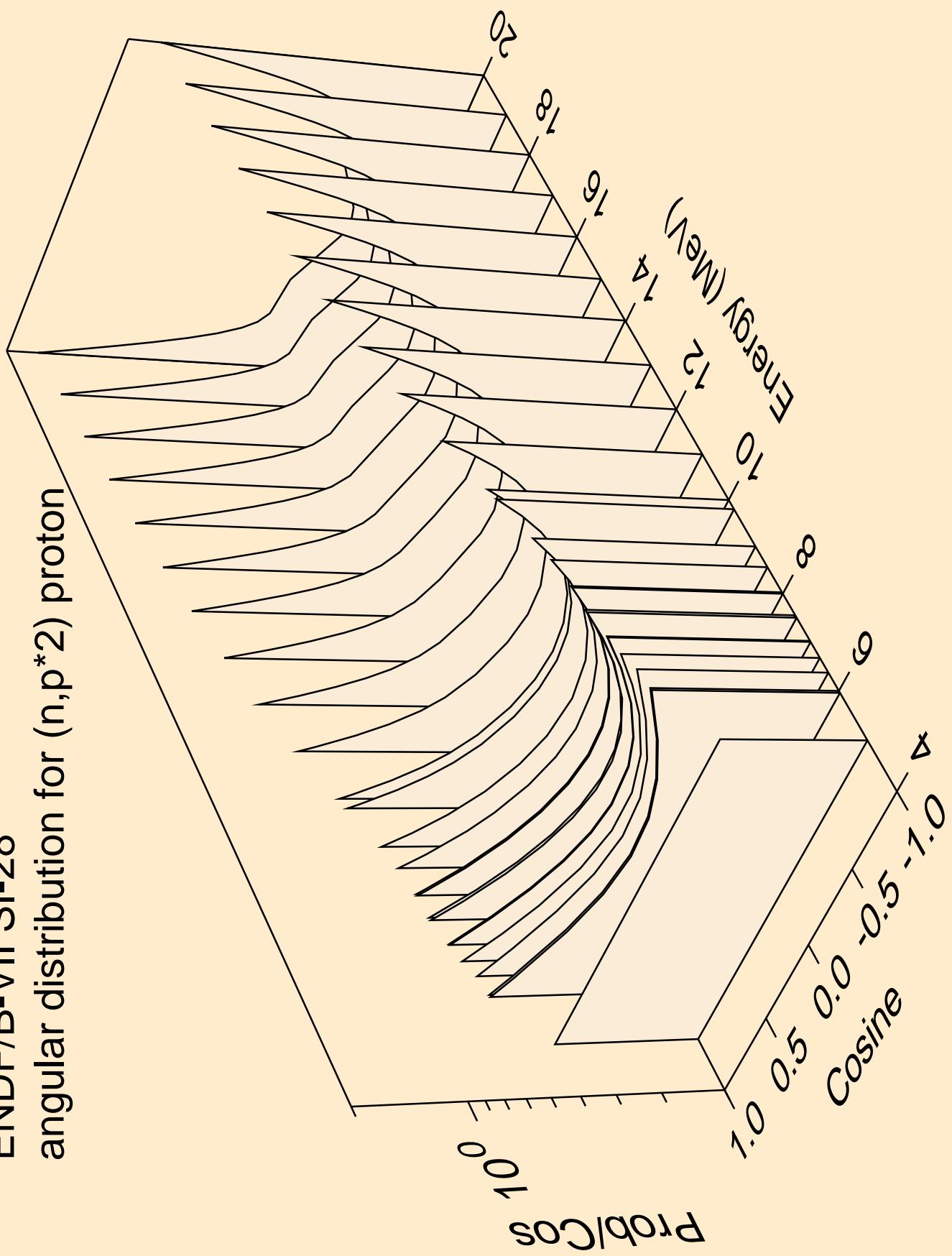
4

2

0

ENDF/B-VII SI-28

angular distribution for (n,p^*2) proton



ENDF/B-VII Si-28

angular distribution for (n,p^*3) proton

10^0

Prob/Cos

1.0

0.5
0.0

0.5
0.0
Cosine

Energy (MeV)

10

8

6

4

2

0

20

18

16

14

12

10

8

6

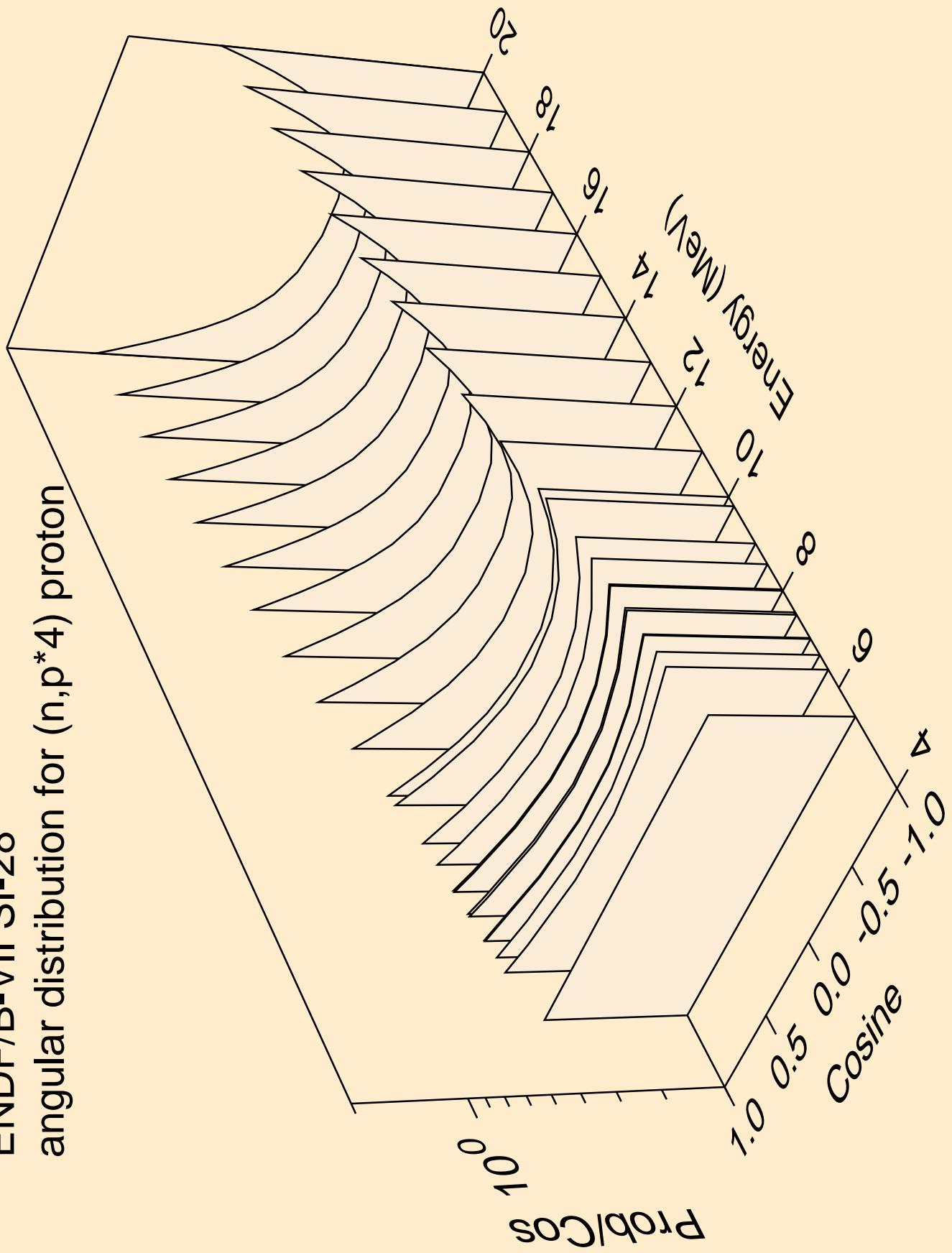
4

2

0

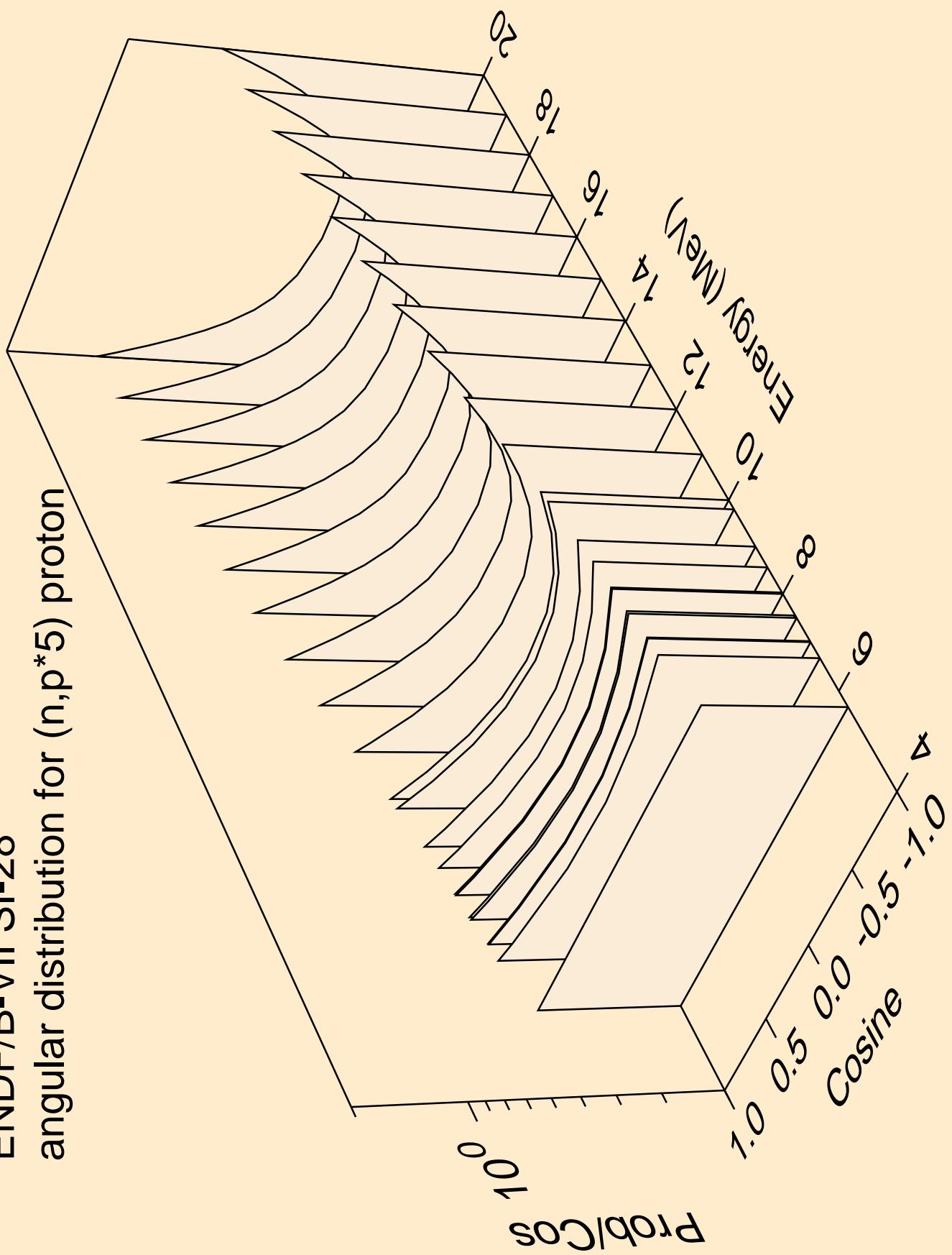
ENDF/B-VII SI-28

angular distribution for (n,p^*4) proton



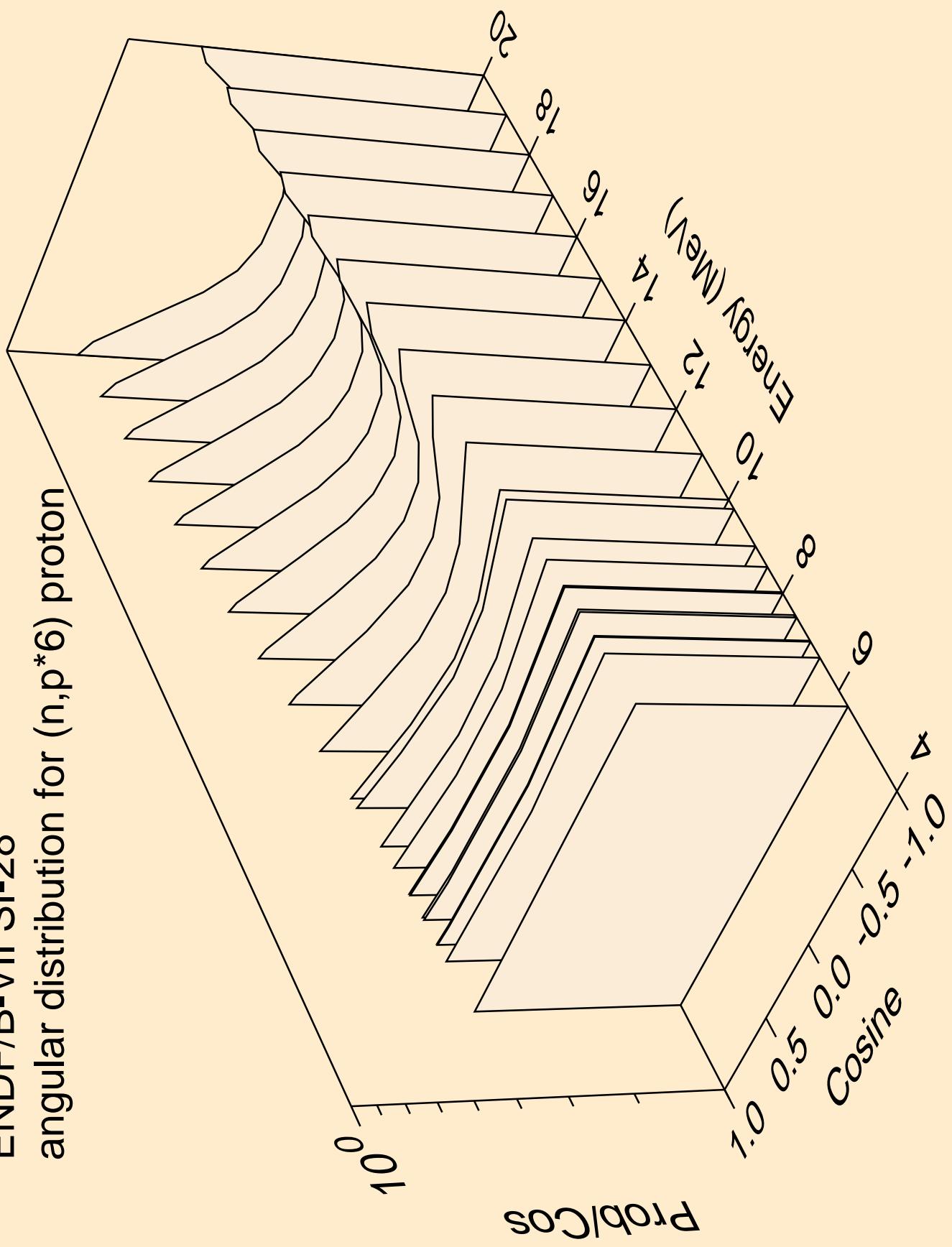
ENDF/B-VII SI-28

angular distribution for (n,p^*5) proton



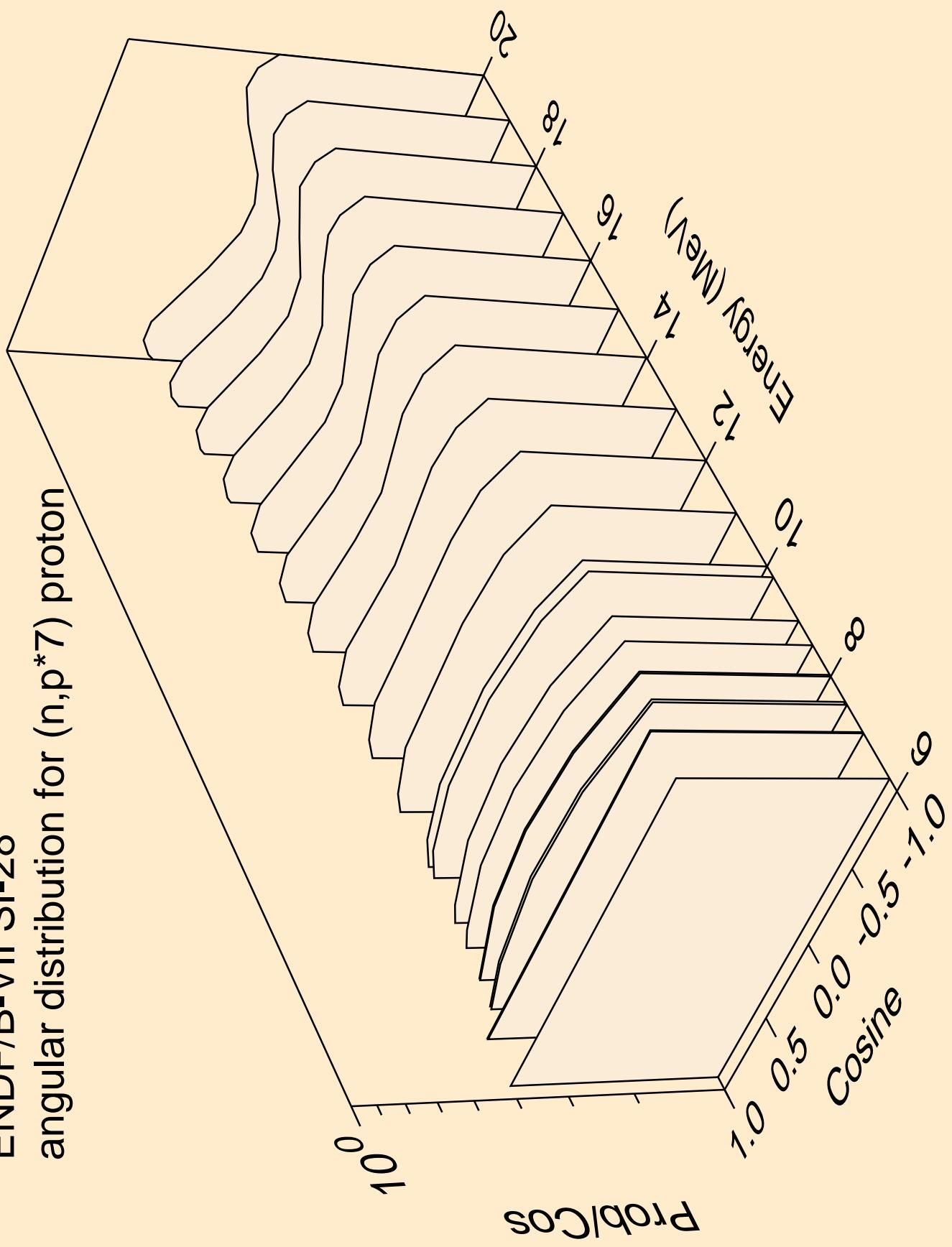
ENDF/B-VII SI-28

angular distribution for (n,p^*6) proton



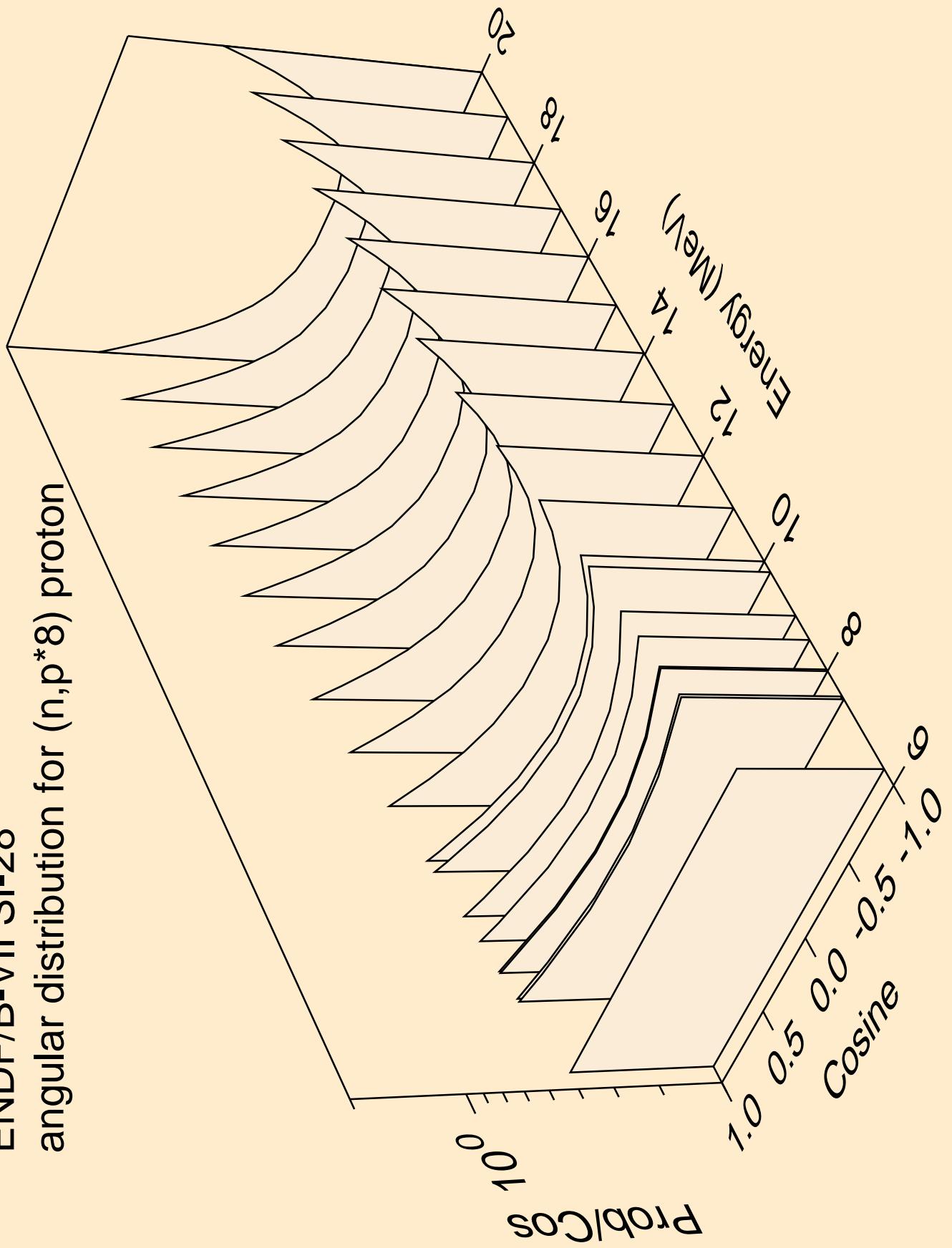
ENDF/B-VII SI-28

angular distribution for (n,p^*7) proton



ENDF/B-VII Si-28

angular distribution for (n,p*8) proton



ENDF/B-VII Si-28

angular distribution for (n,p^*9) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energy (MeV)

10

8

6

4

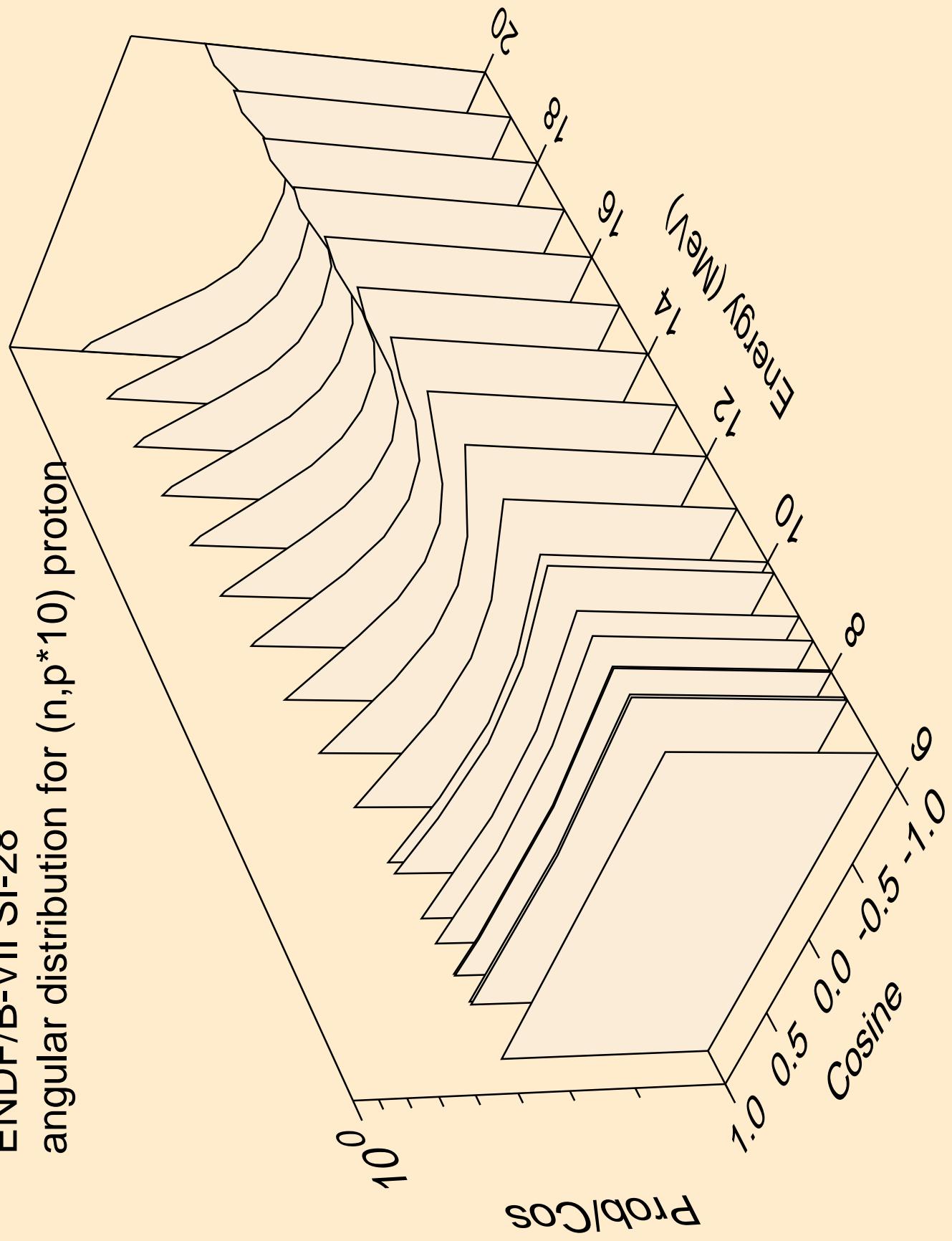
2

18

20

ENDF/B-VII SI-28

angular distribution for (n,p^*10) proton



ENDF/B-VII SI-28

angular distribution for (n,p*11) proton

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

8

10

12

14

16

18

20

Energy (MeV)

Cosine

ENDF/B-VII Si-28

angular distribution for (n,p^*12) proton

10^0

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

Energy (MeV)

10

8

6

4

2

1

20

18

16

14

12

10

8

6

4

2

1

ENDF/B-VII SI-28

angular distribution for (n,p^*13) proton

10^0

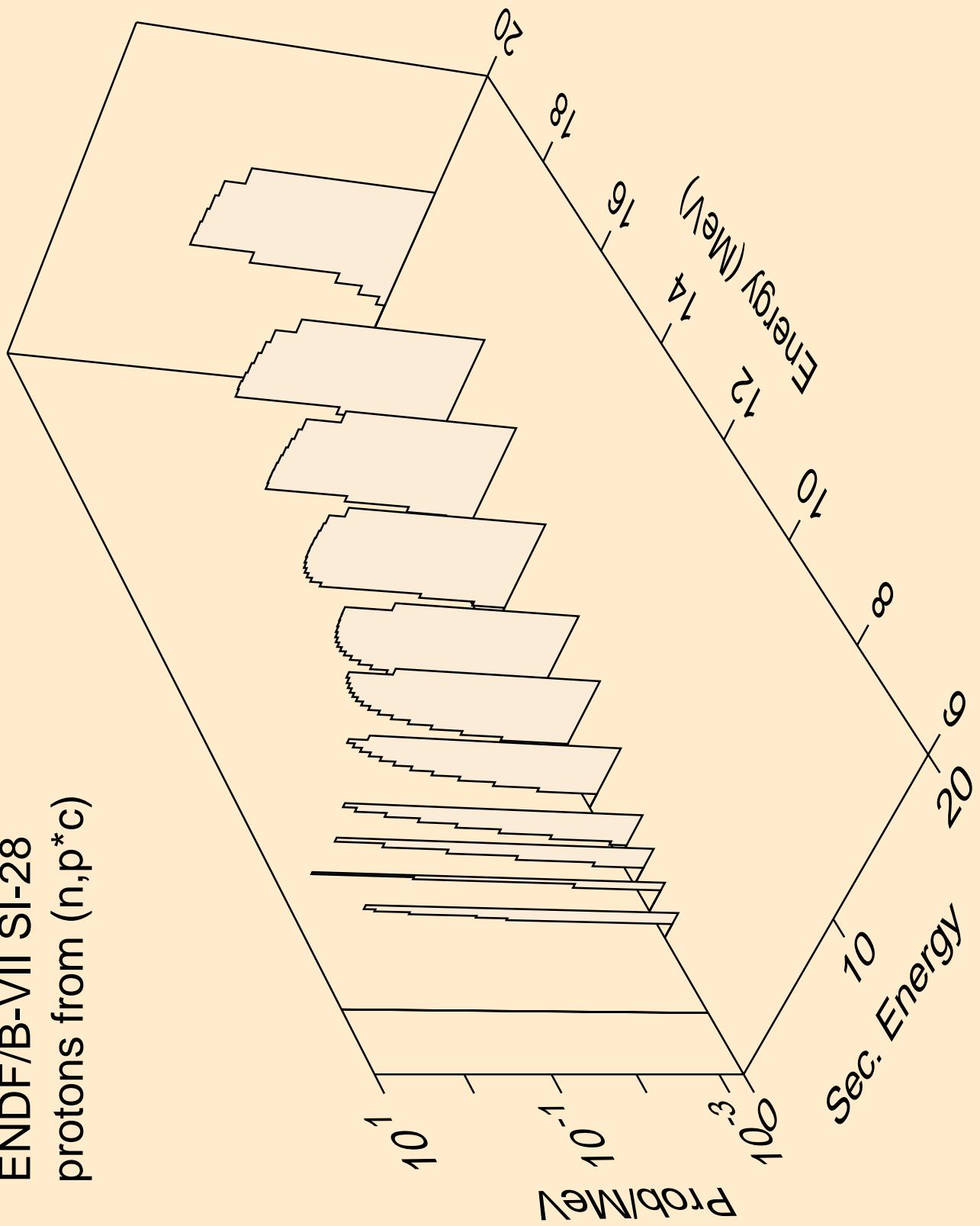
Prob/Cos

1.0 0.5 0.0 -0.5 -1.0
Cosine

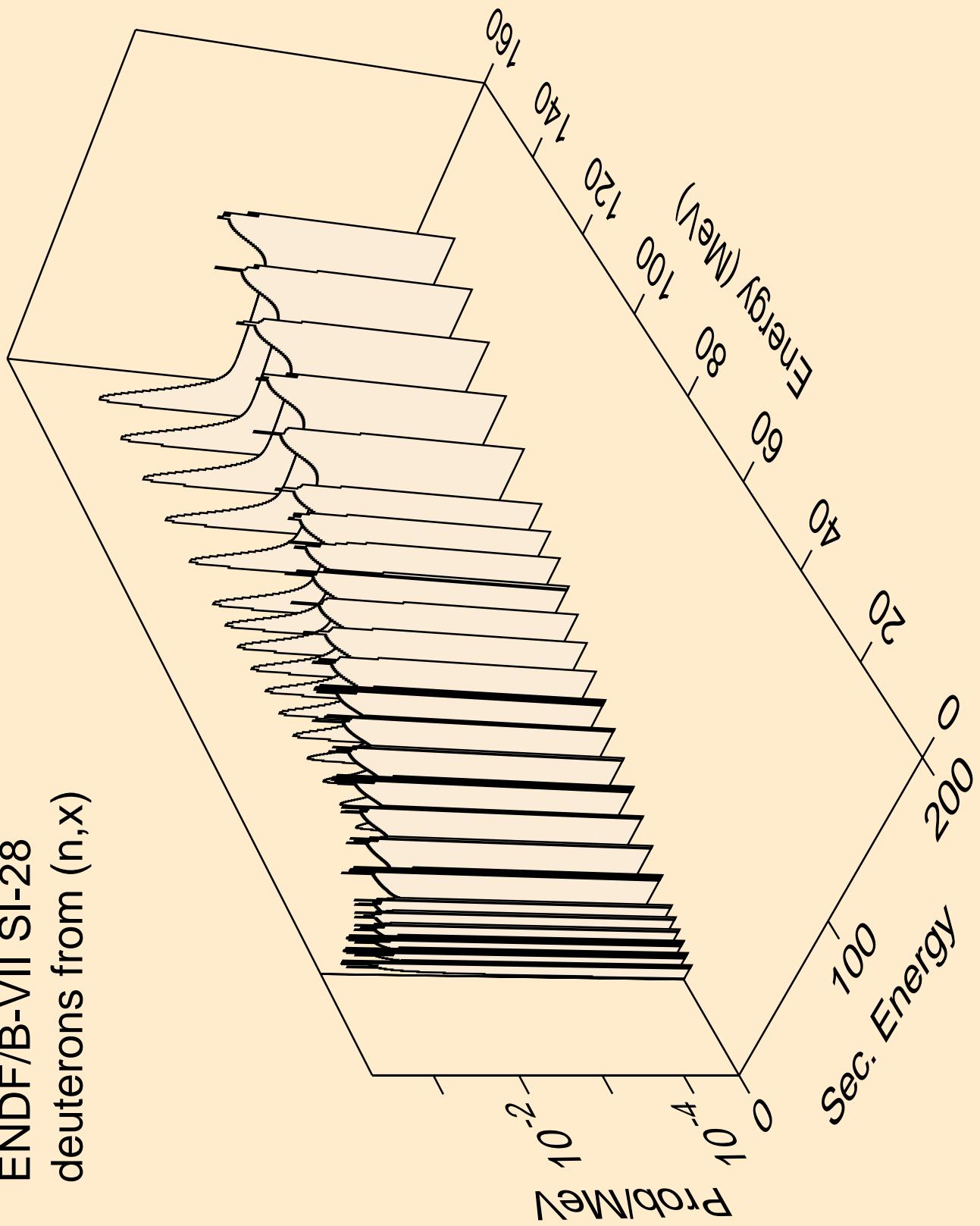
Energy (MeV)

20
18
16
14
12
10
8

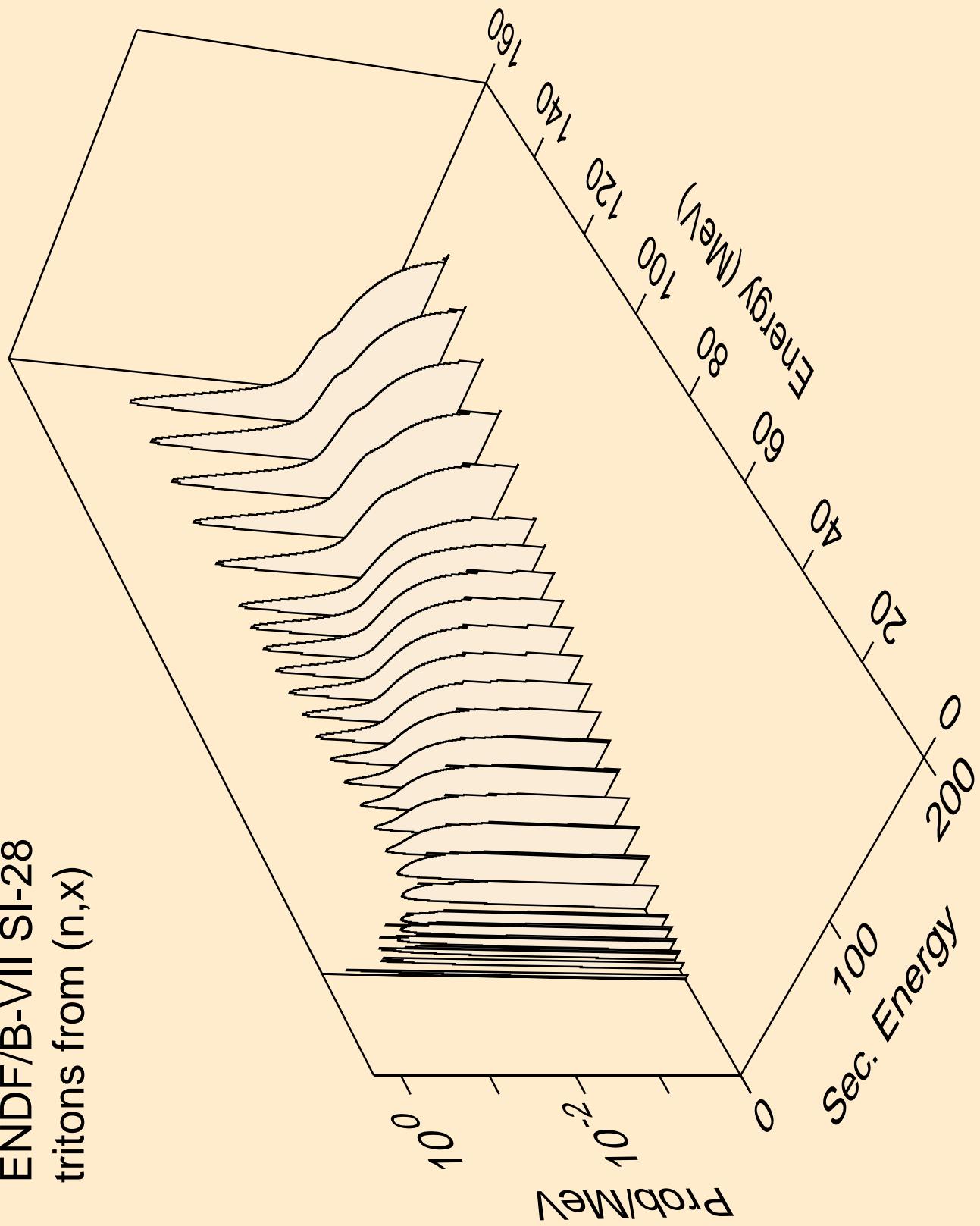
ENDF/B-VII Si-28
protons from (n, p^*c)



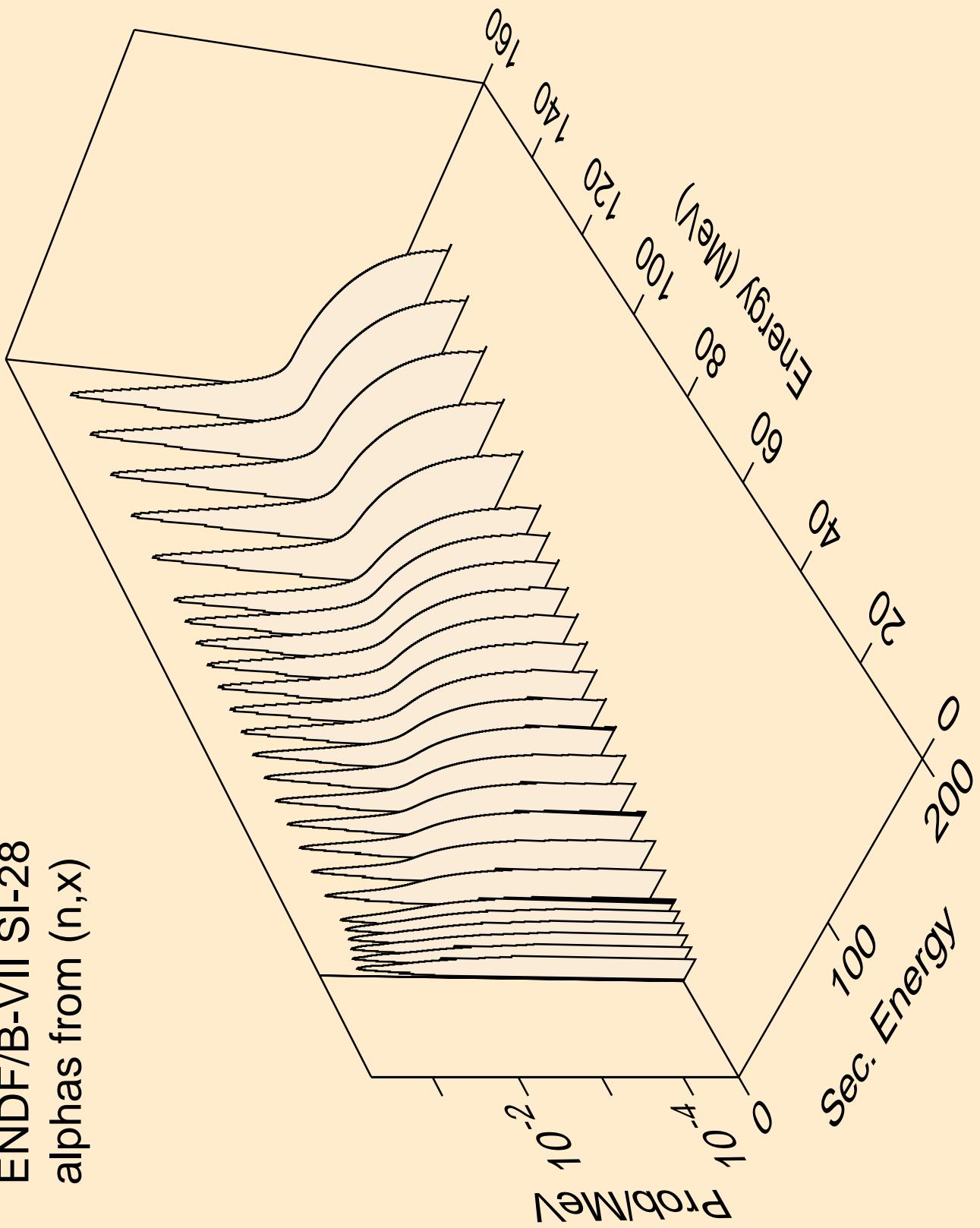
ENDF/B-VII Si-28
deuterons from (n,x)



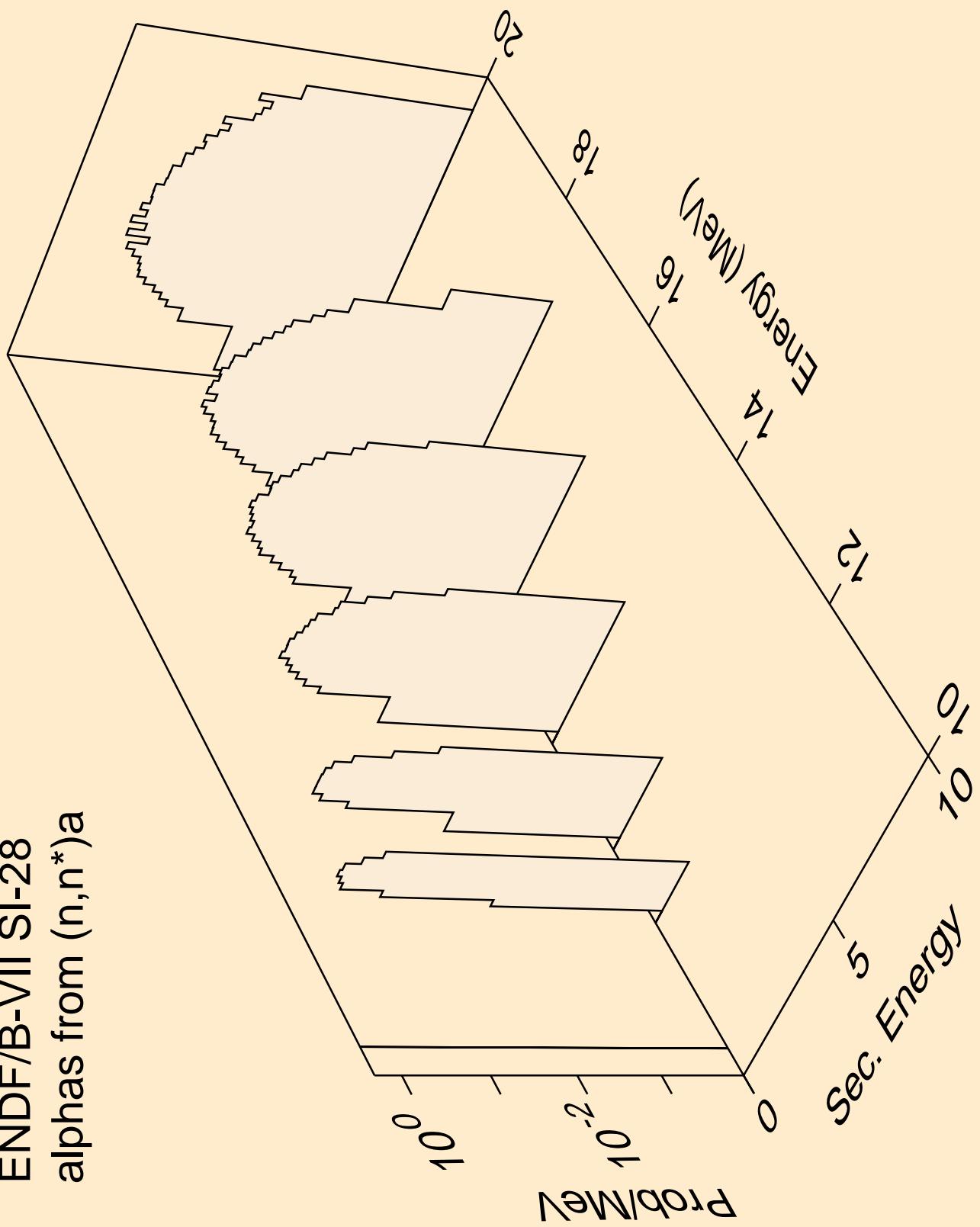
ENDF/B-VII Si-28
tritons from (n, α)



ENDF/B-VII Si-28
alphas from (n, α)

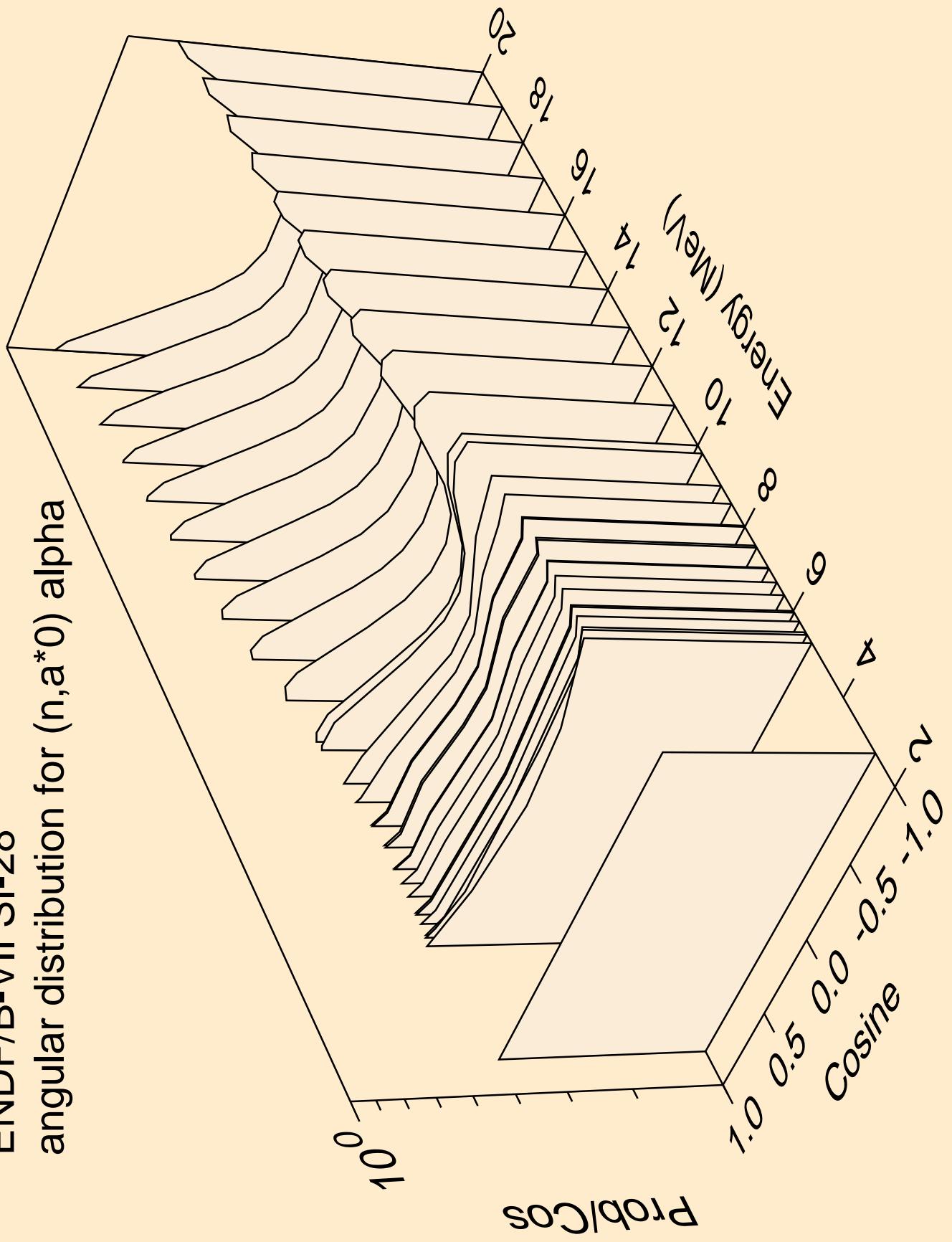


ENDF/B-VII Si-28
alphas from $(n, n^*)a$



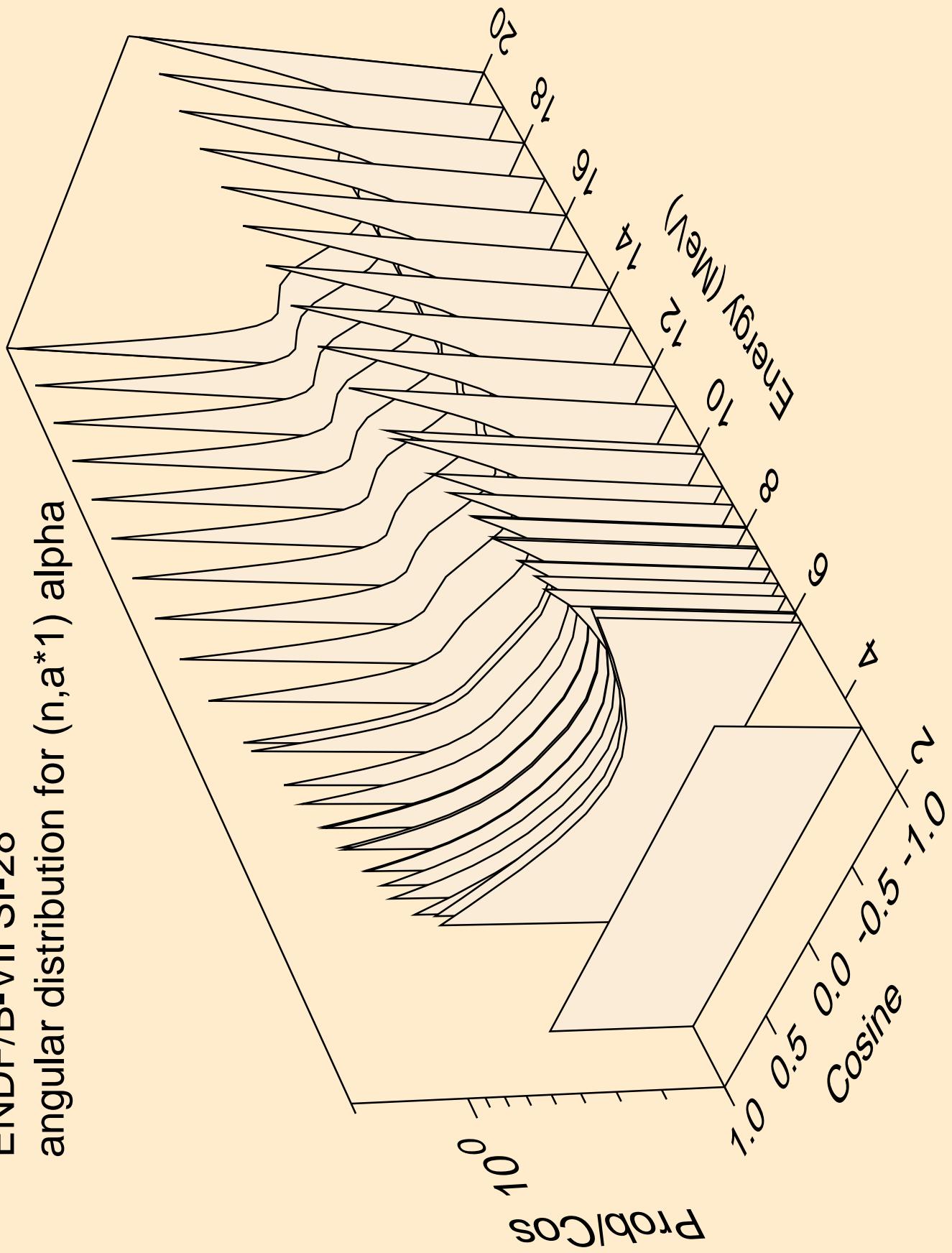
ENDF/B-VII SI-28

angular distribution for (n,α^*0) alpha



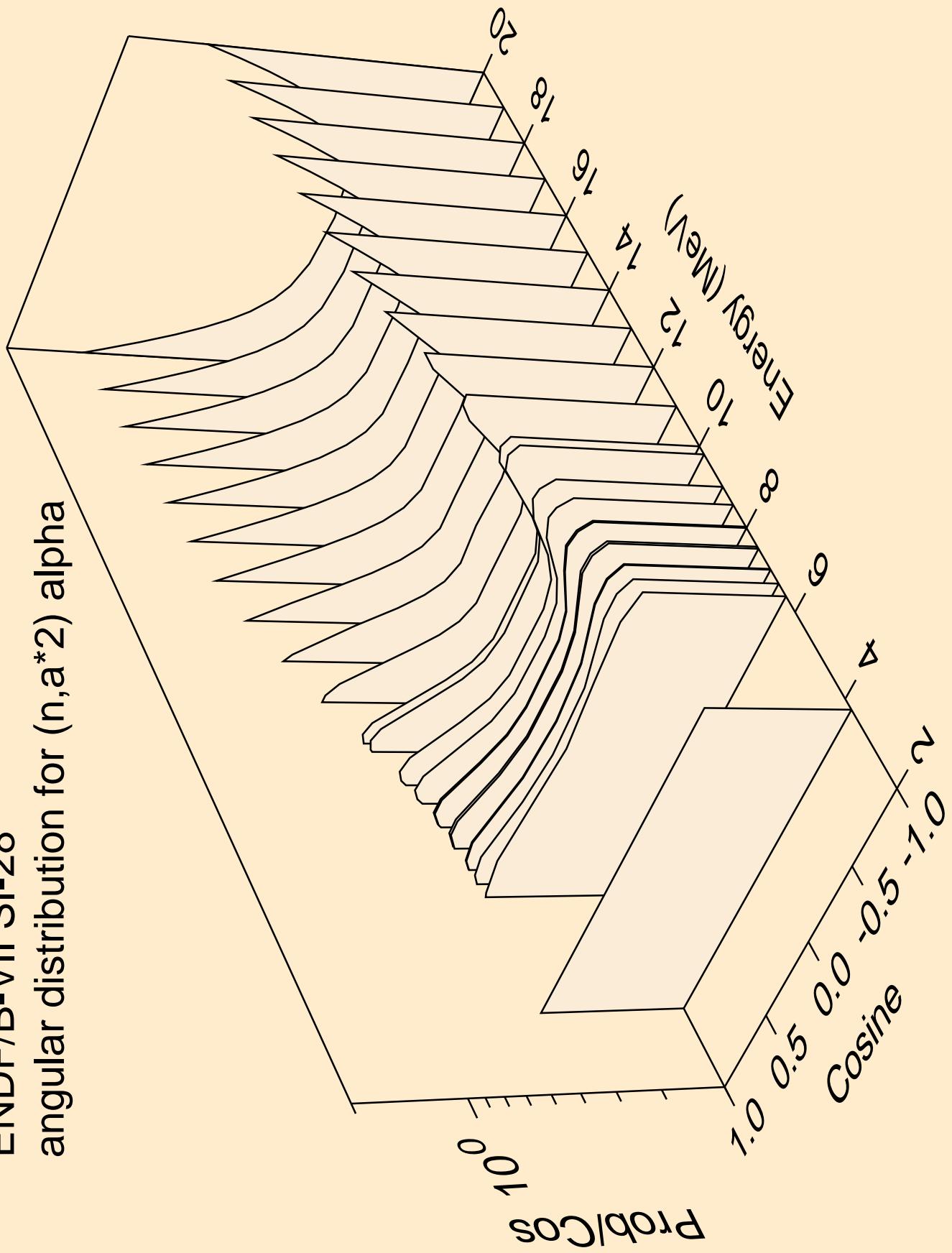
ENDF/B-VII SI-28

angular distribution for (n, α^*) alpha



ENDF/B-VII SI-28

angular distribution for $(n,\alpha^*)^2$ alpha



ENDF/B-VII SI-28

angular distribution for (n,α^*3) alpha

10^0

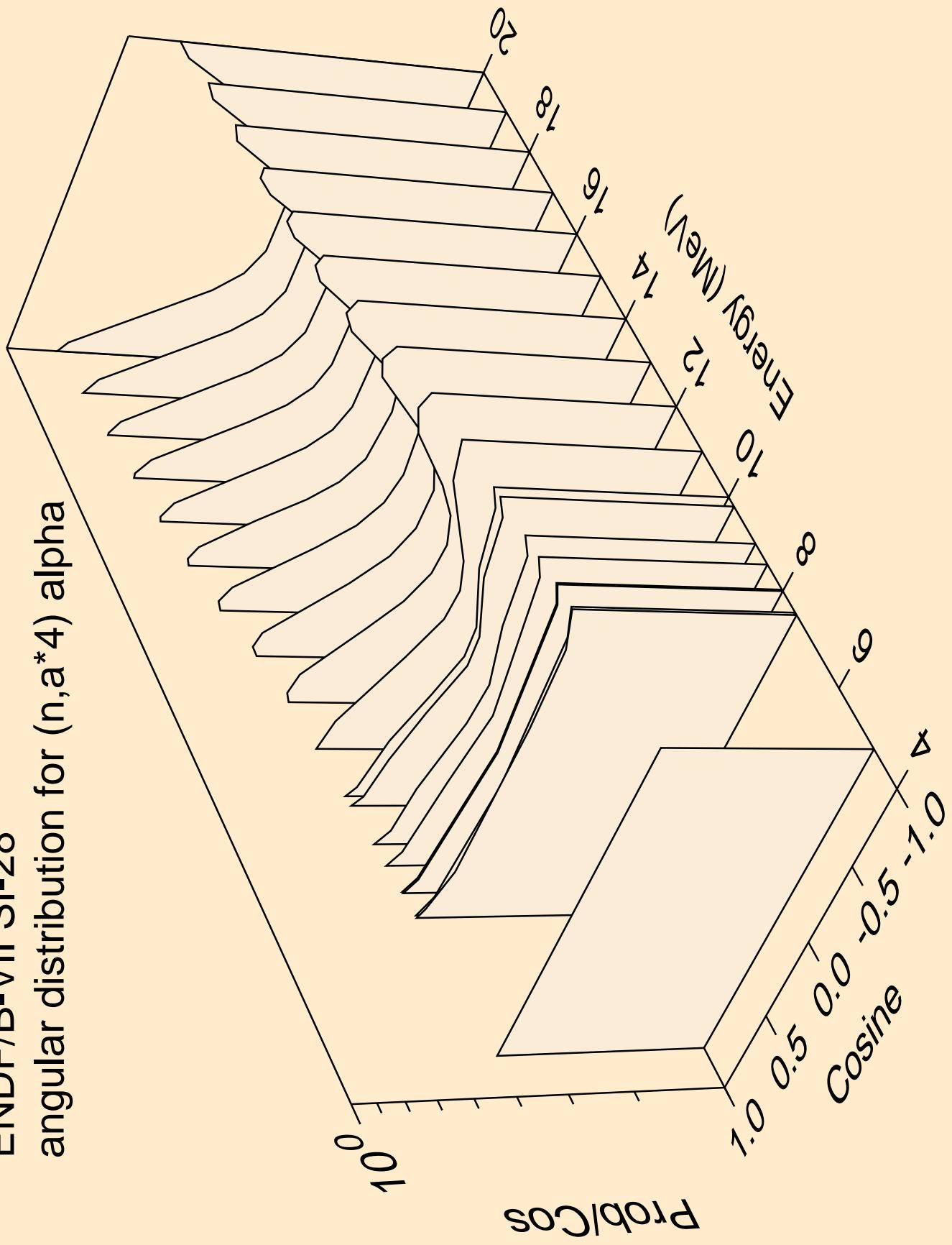
Prob/Cos

1.0
0.5
0.0
-0.5
-1.0
Cosine

20
18
16
14
12
10
8
6
4
2
0
Energy (MeV)

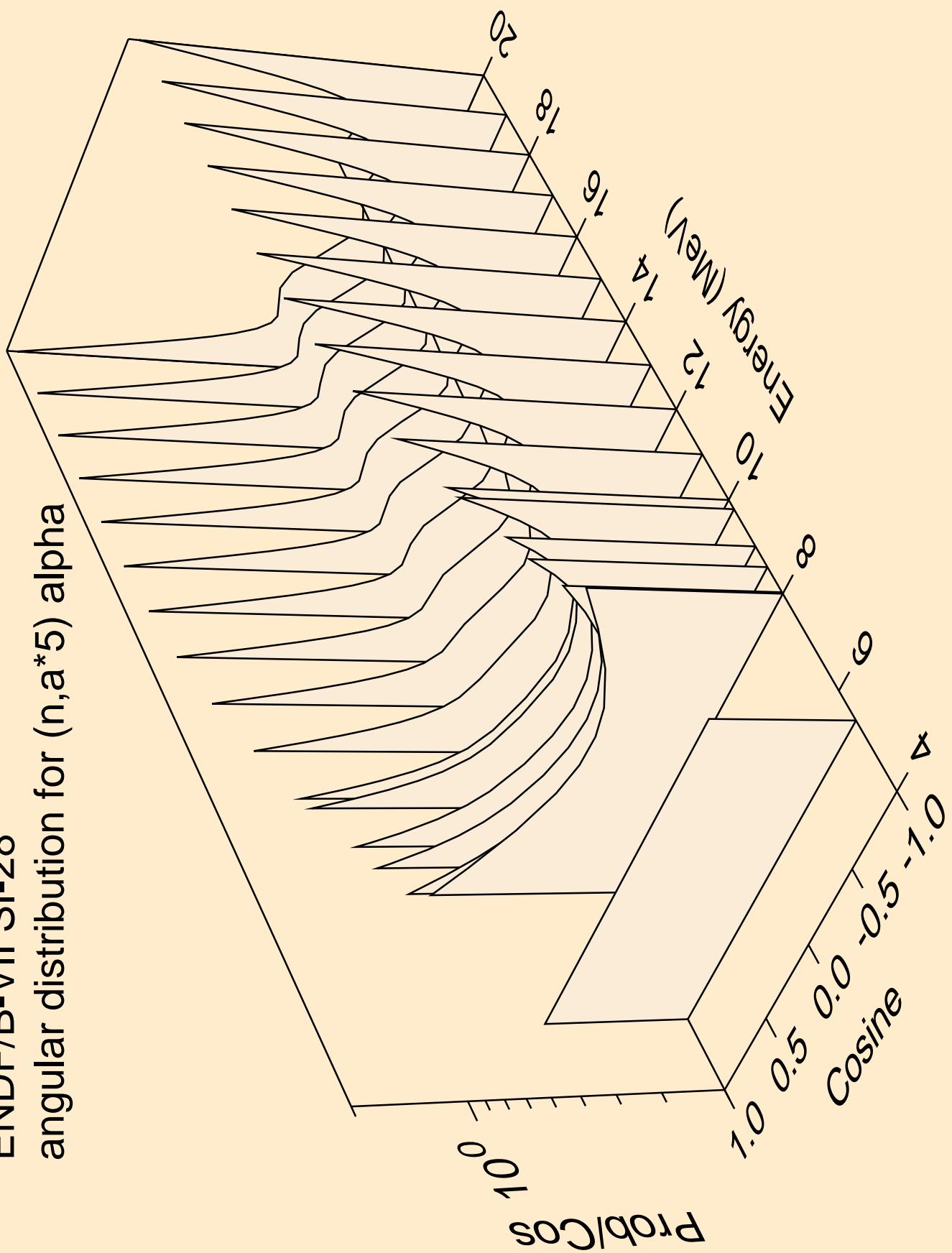
ENDF/B-VII SI-28

angular distribution for ($n, \alpha^* 4$) alpha



ENDF/B-VII Si-28

angular distribution for ($n, \alpha^* 5$) alpha



ENDF/B-VII SI-28

angular distribution for $(n, \alpha^* \alpha)$ alpha

10^0

Prob/Cos

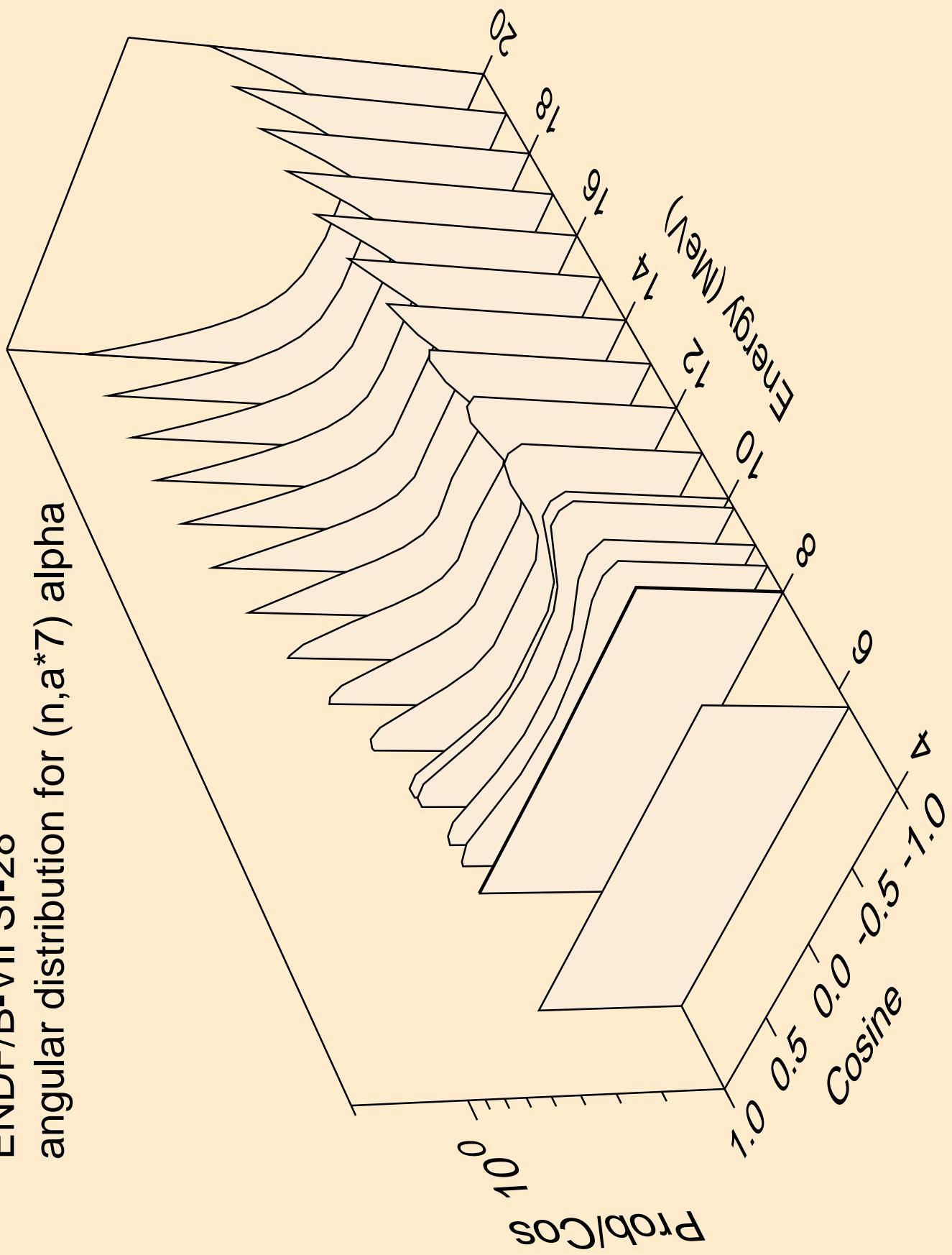
1.0
0.5
0.0
-0.5
-1.0
Cosine

Energy (MeV)

20
18
16
14
12
10
8
6
4
2
0

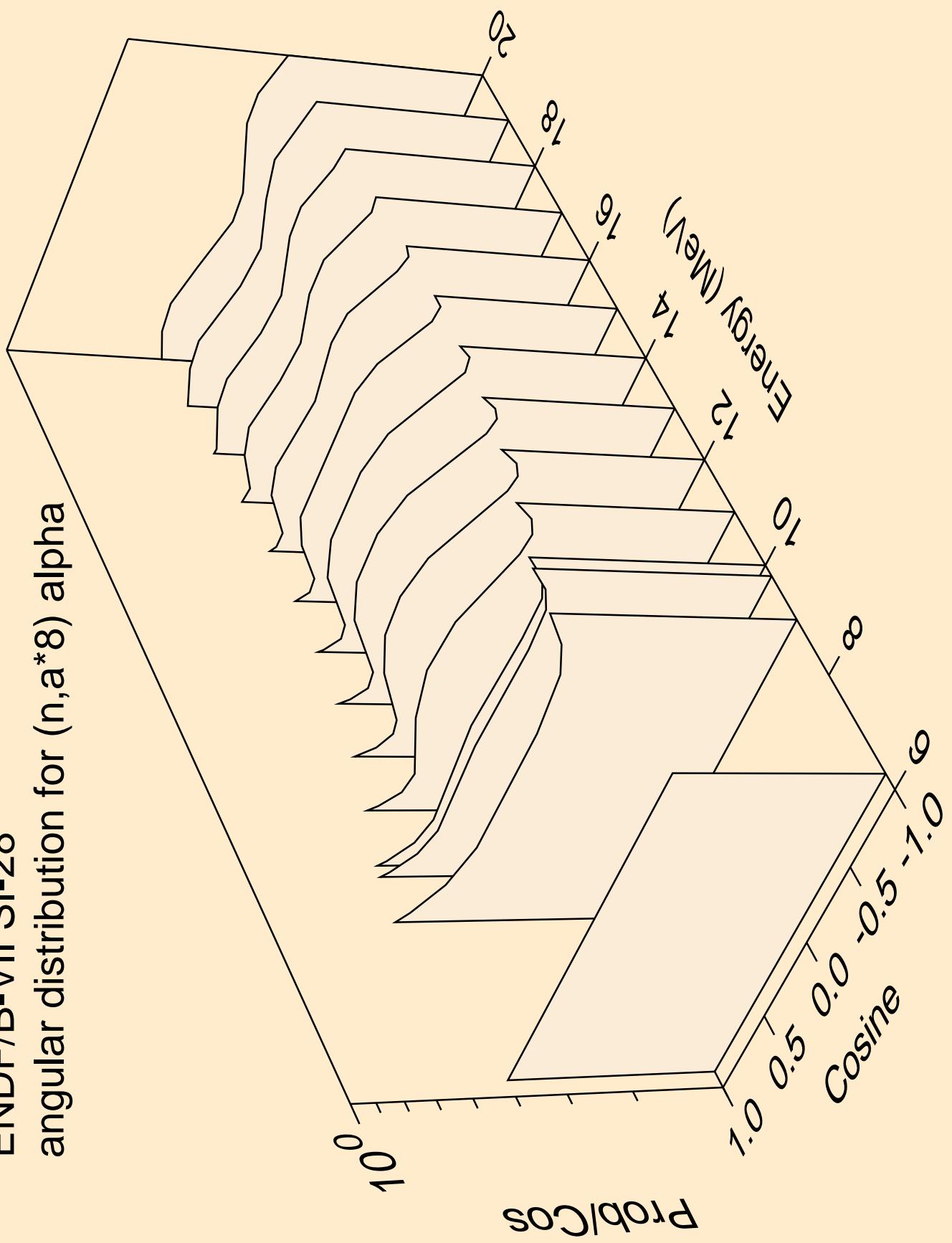
ENDF/B-VII SI-28

angular distribution for ($n, \alpha^* 7$) alpha



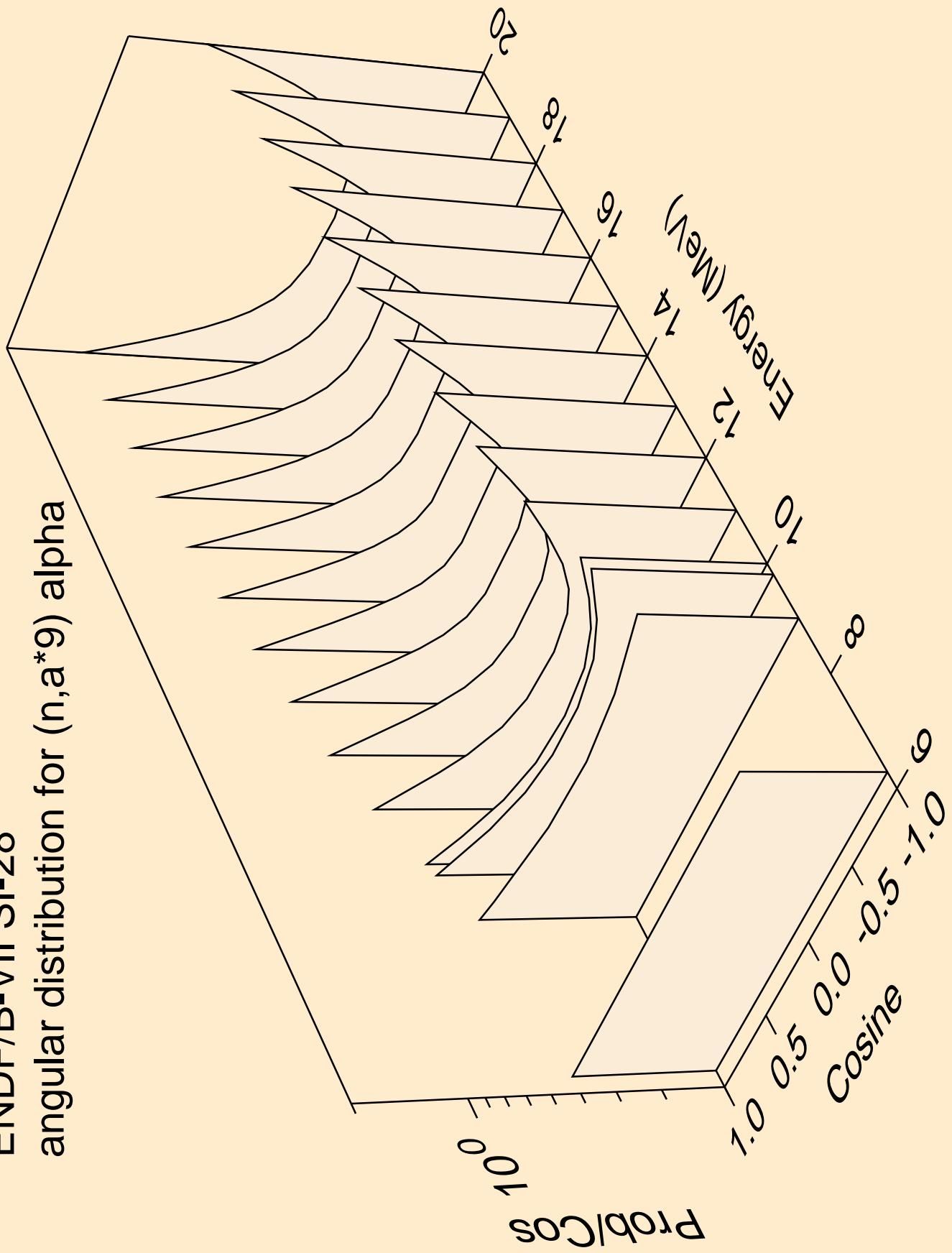
ENDF/B-VII Si-28

angular distribution for (n,α^*) alpha



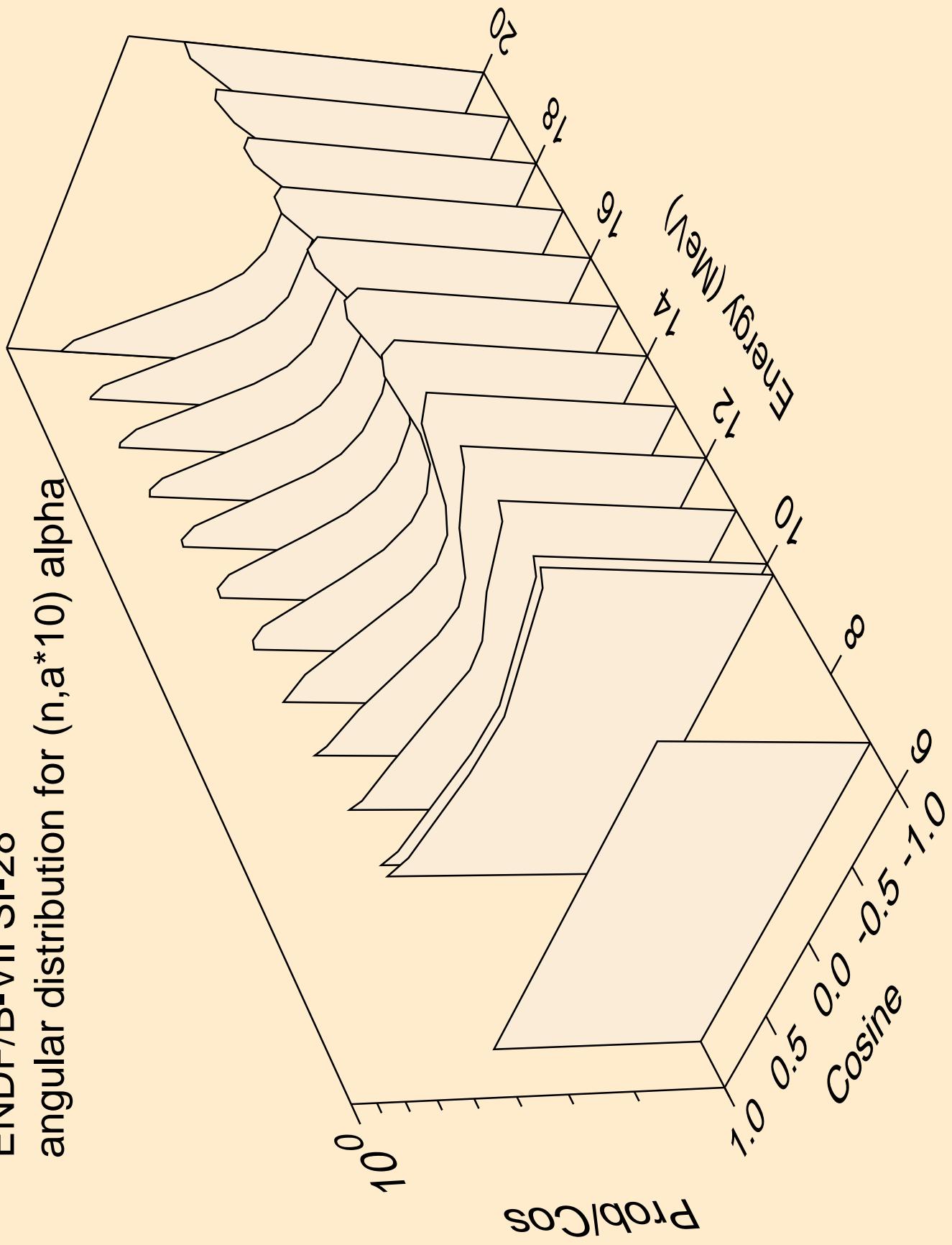
ENDF/B-VII Si-28

angular distribution for (n,α^*9) alpha



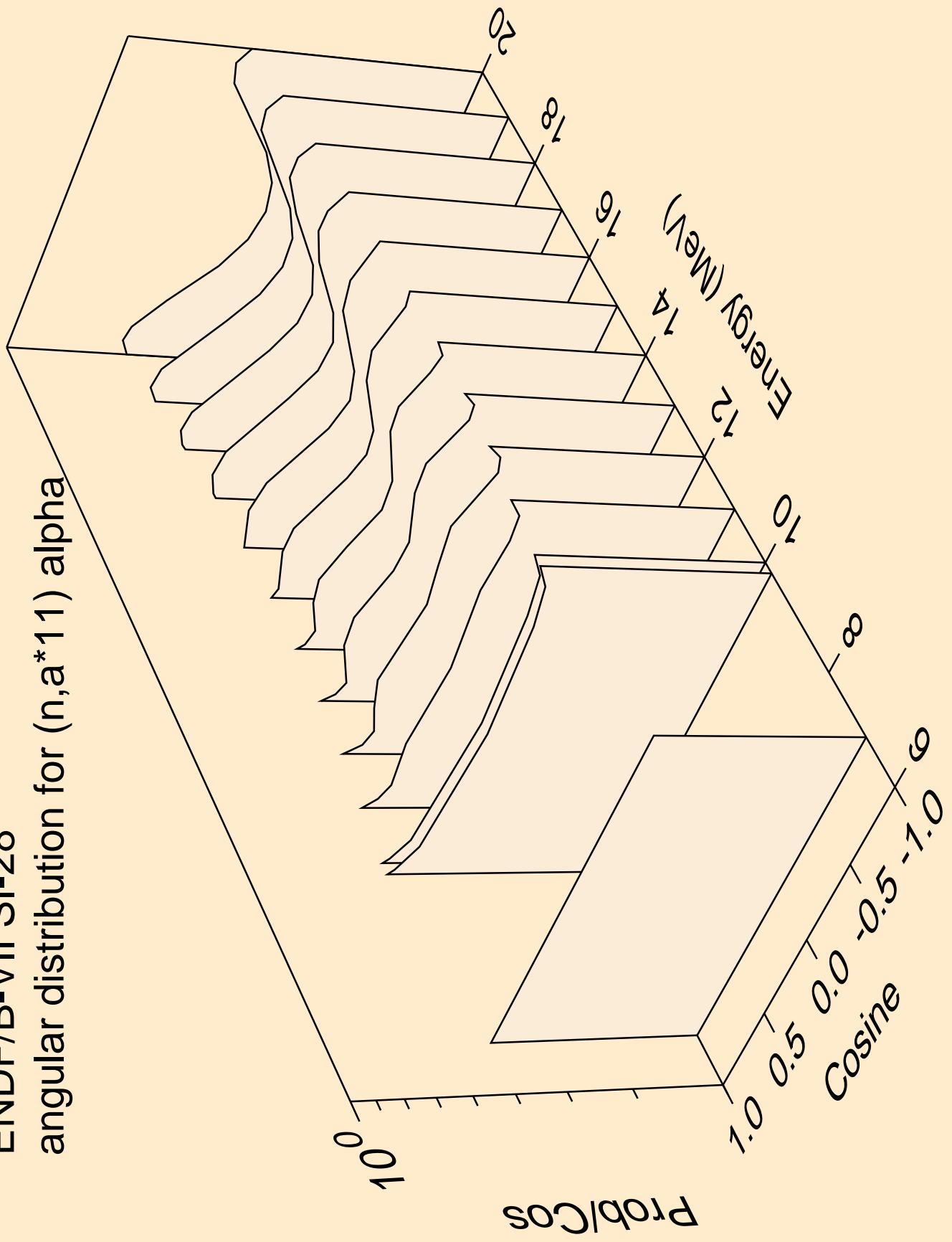
ENDF/B-VII SI-28

angular distribution for (n,α^*10) alpha



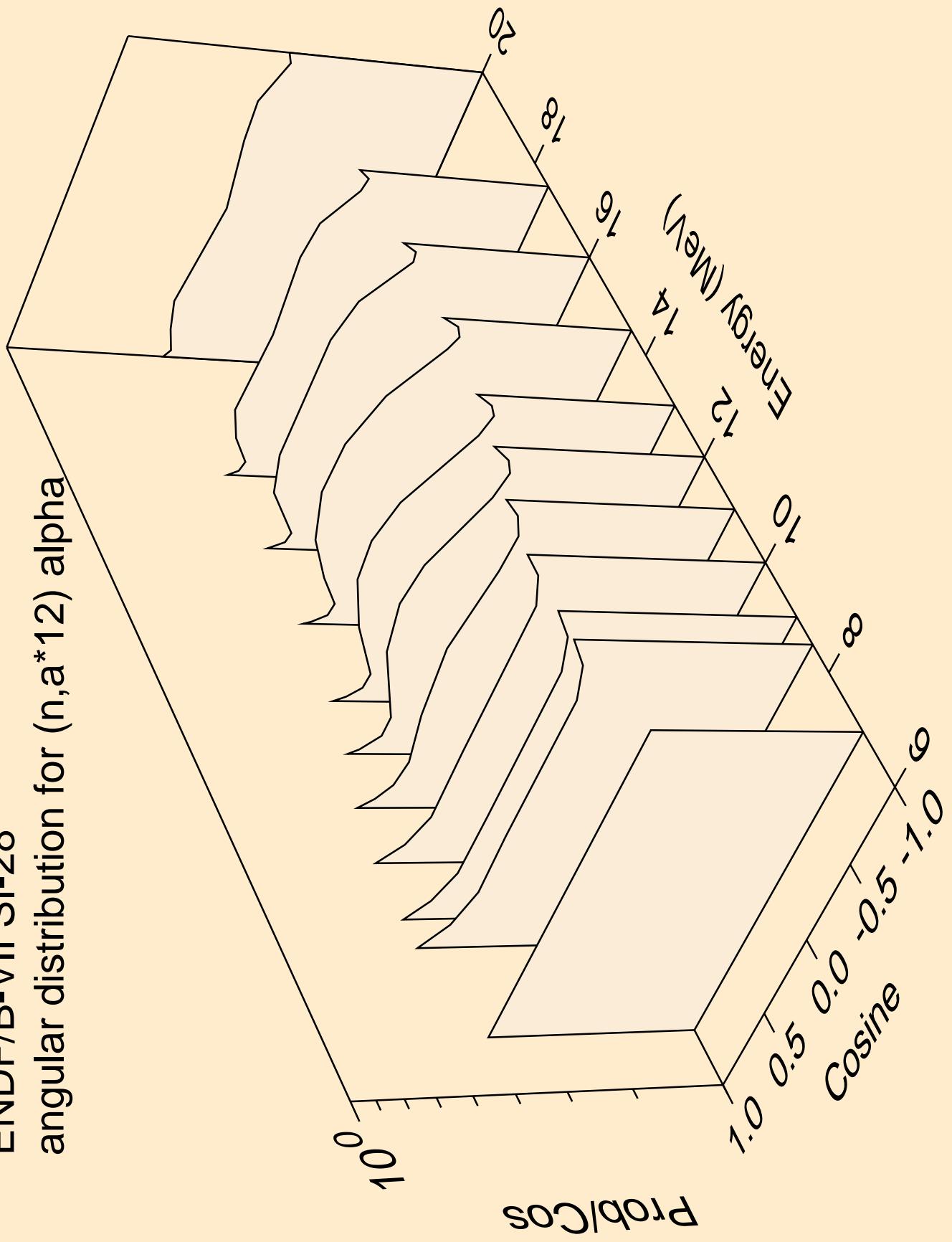
ENDF/B-VII SI-28

angular distribution for $(n, \alpha^* 11) \alpha$



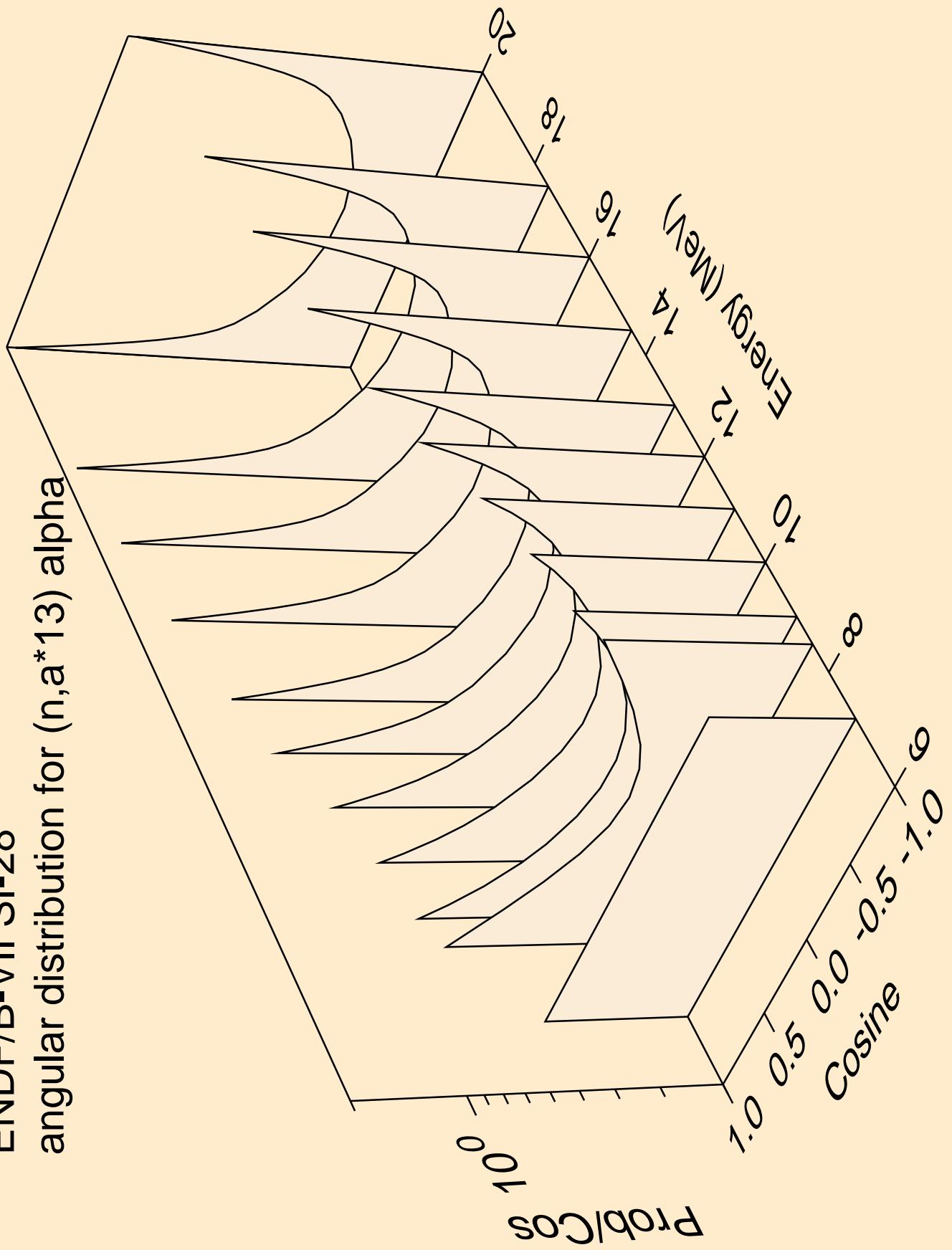
ENDF/B-VII SI-28

angular distribution for (n,α^*12) alpha



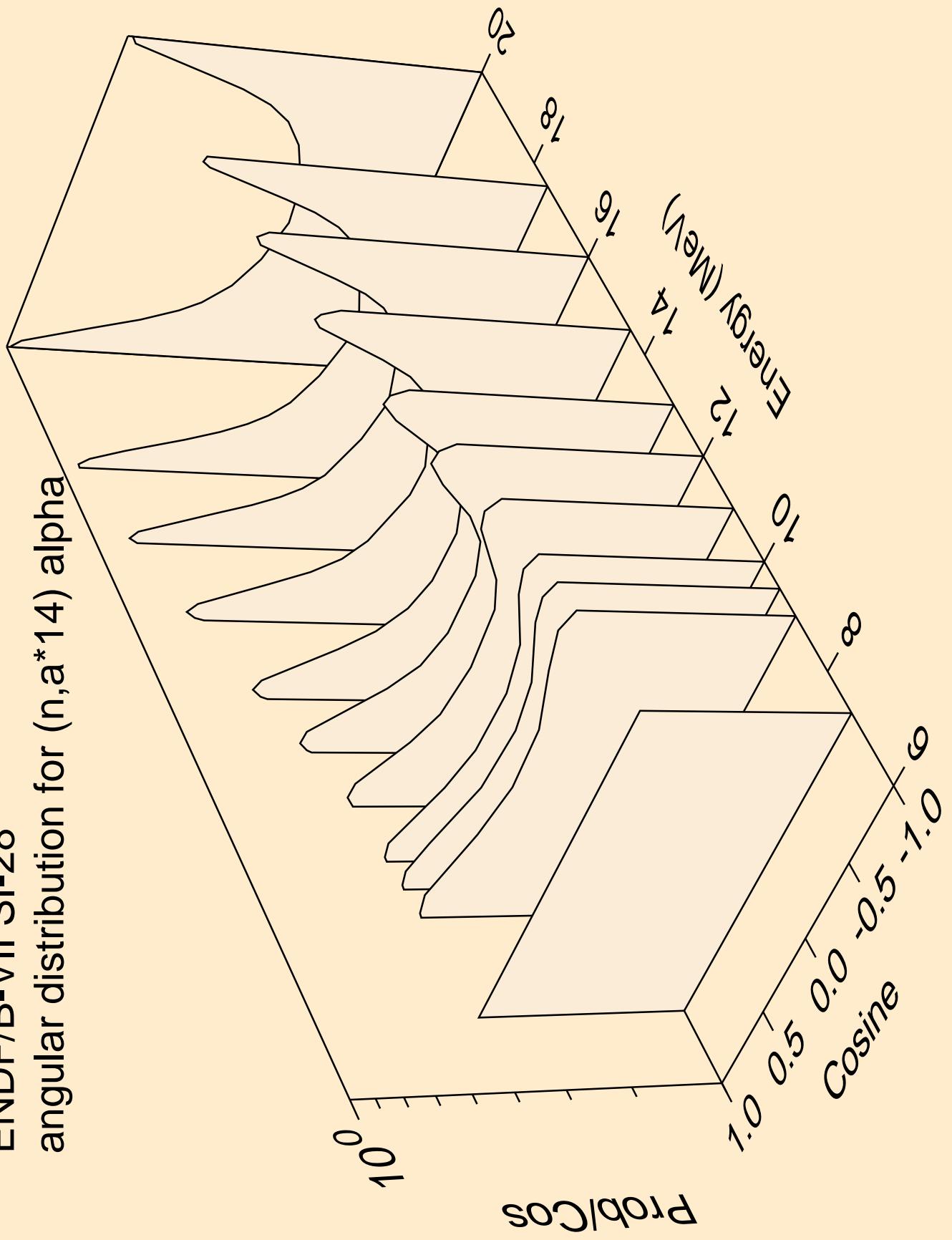
ENDF/B-VII SI-28

angular distribution for $(n, \alpha^* 13)$ alpha



ENDF/B-VII SI-28

angular distribution for (n,α^*14) alpha



ENDF/B-VII SI-28

angular distribution for (n,α^*15) alpha

10^0

Prob/Cos

1.0

0.5

0.0

-0.5

-1.0

Cosine

0.5 -1.0

Energy (MeV)

20
18

16
14

12
10

8
6

ENDF/B-VII Si-28
alphas from ($n, \alpha^* c$)

