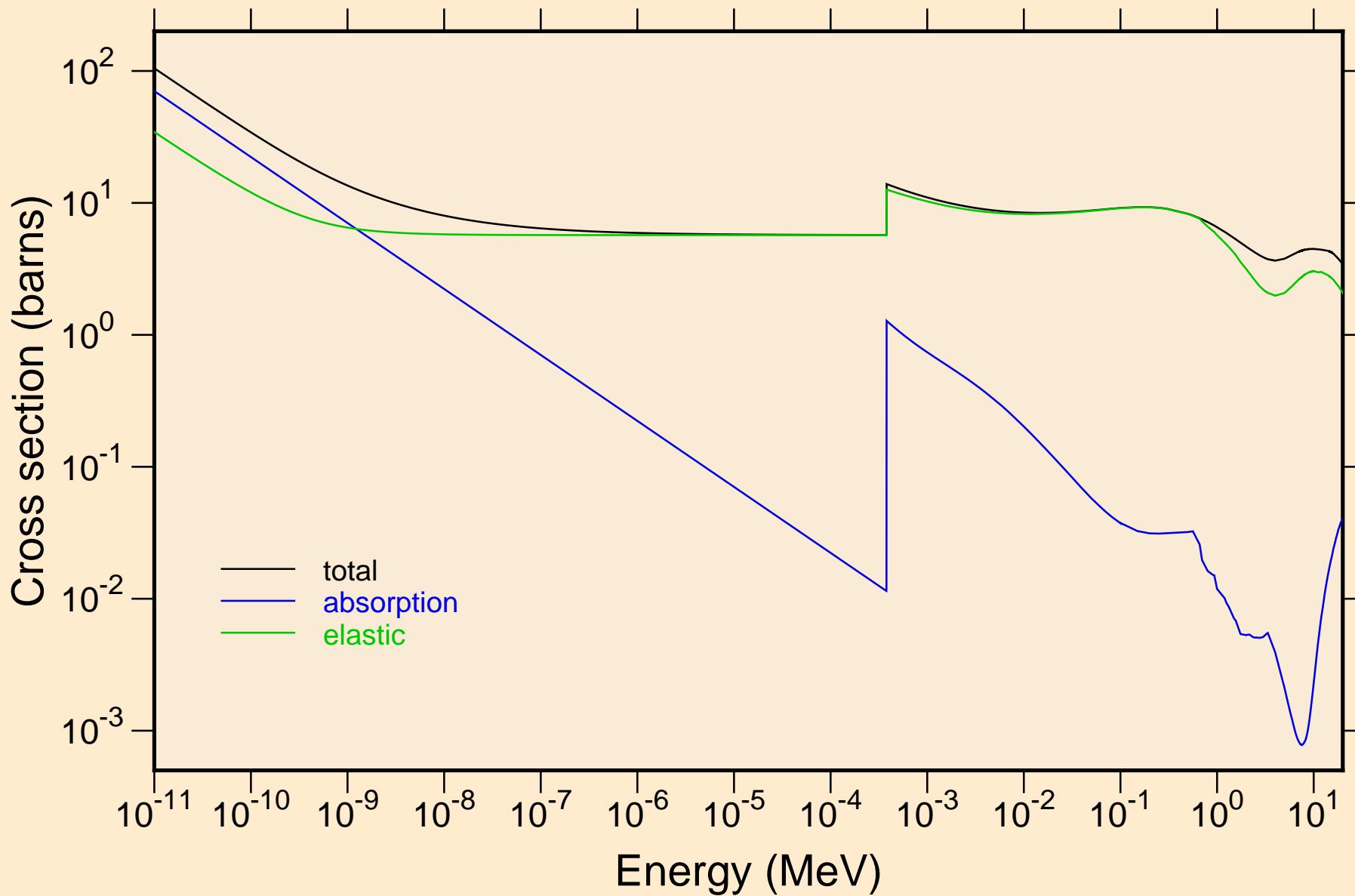
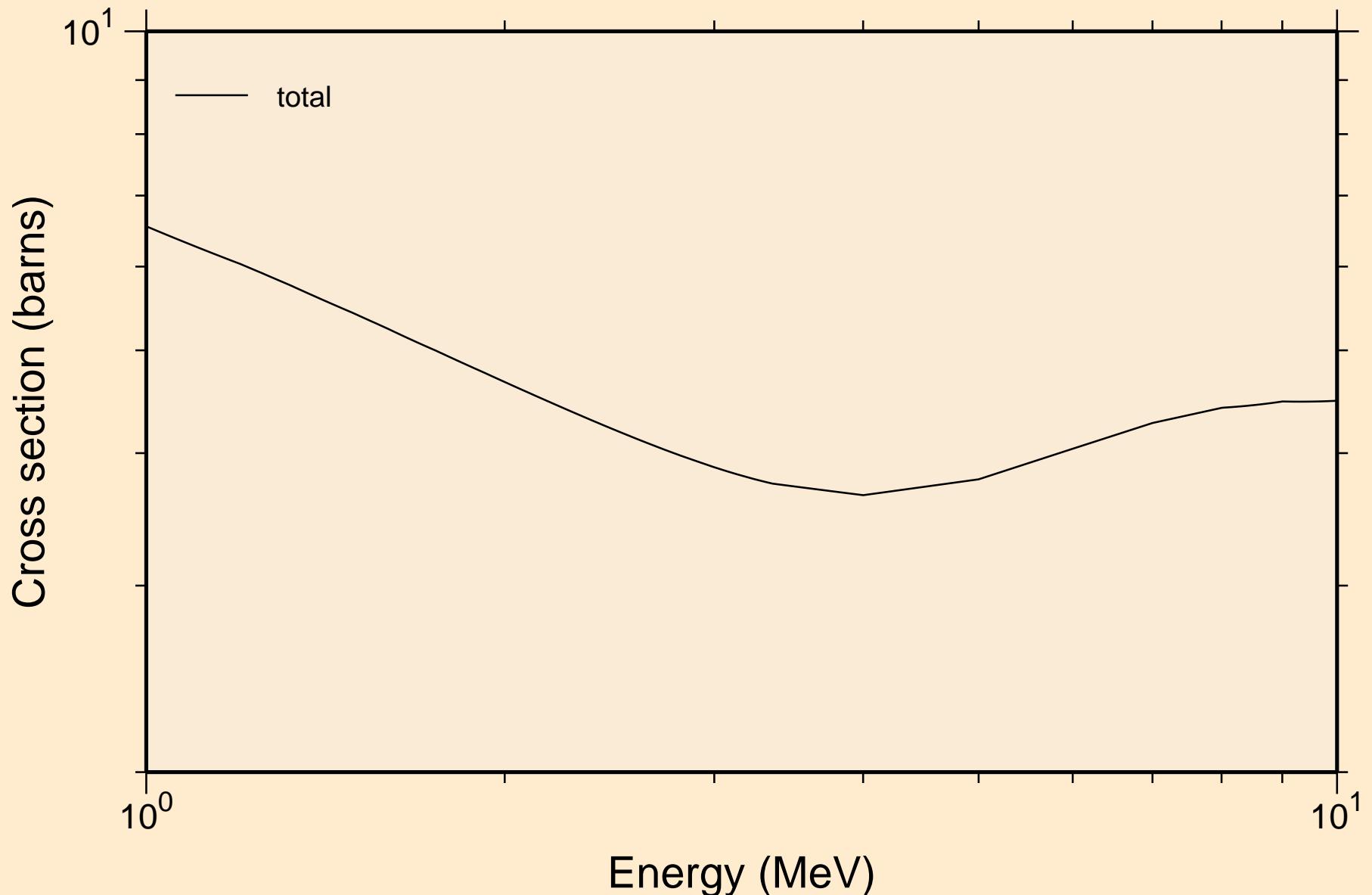


# ENDF/B-VII Y-91

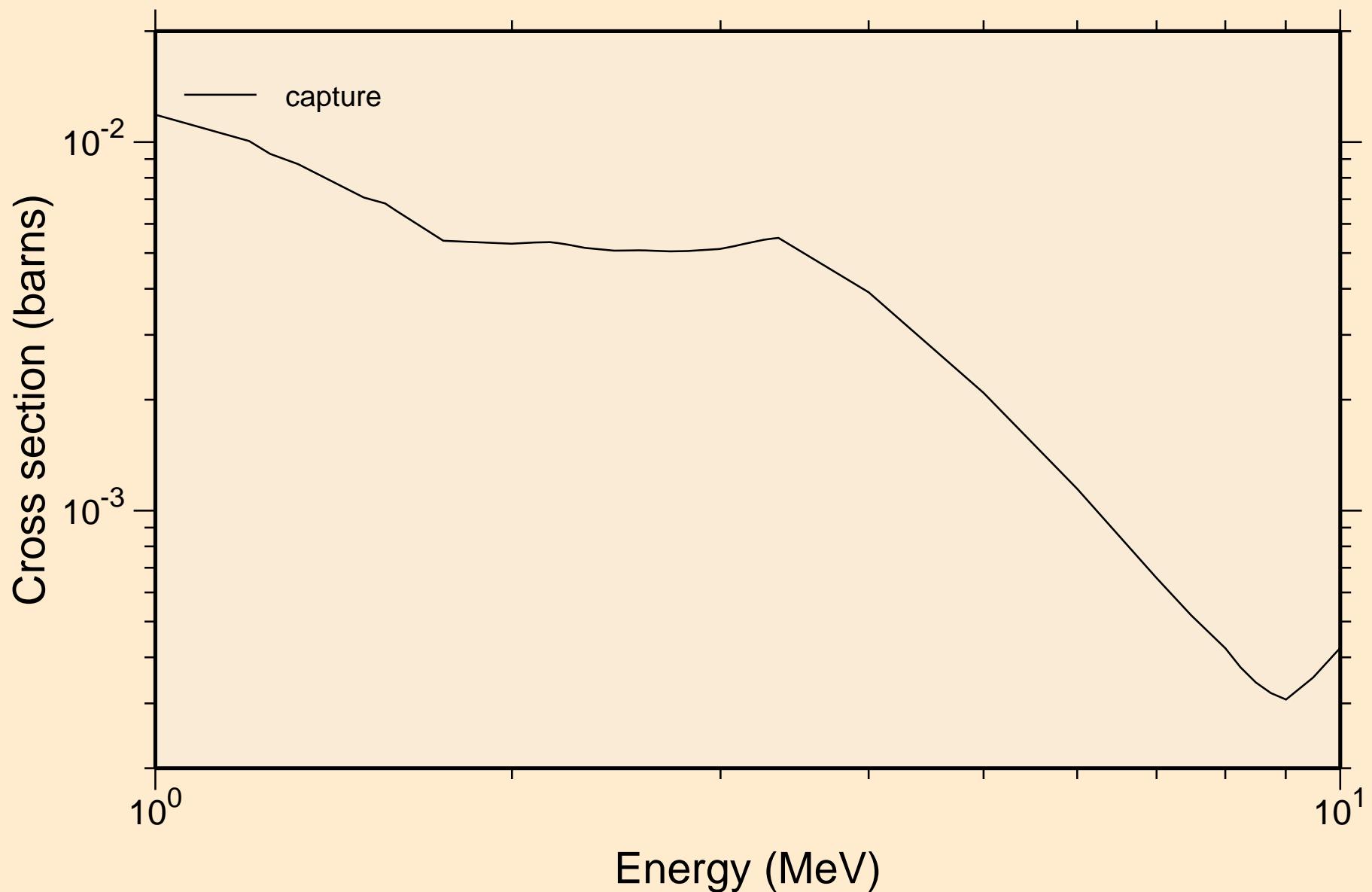
## Principal cross sections



ENDF/B-VII Y-91  
resonance total cross section

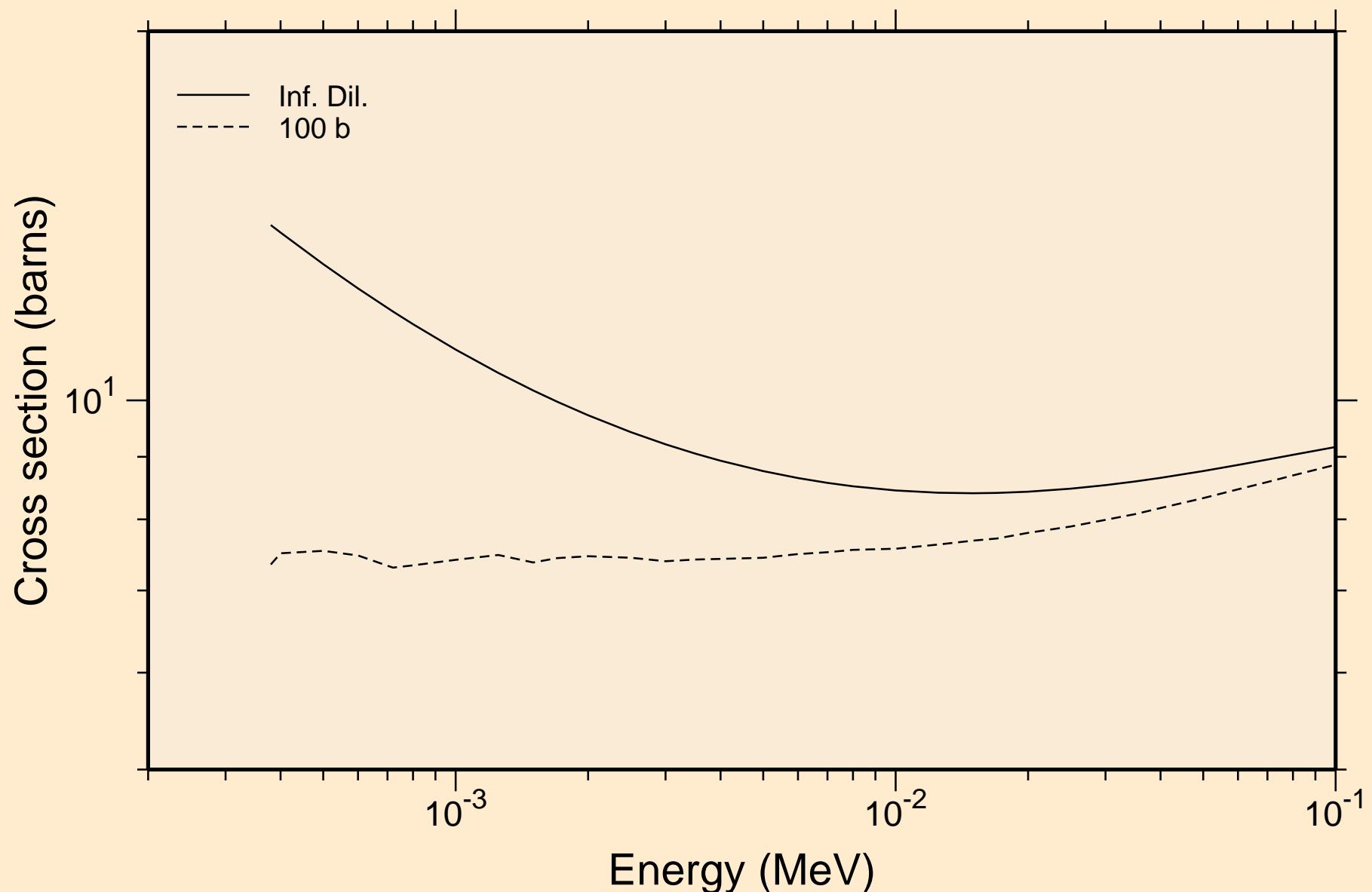


ENDF/B-VII Y-91  
resonance absorption cross sections

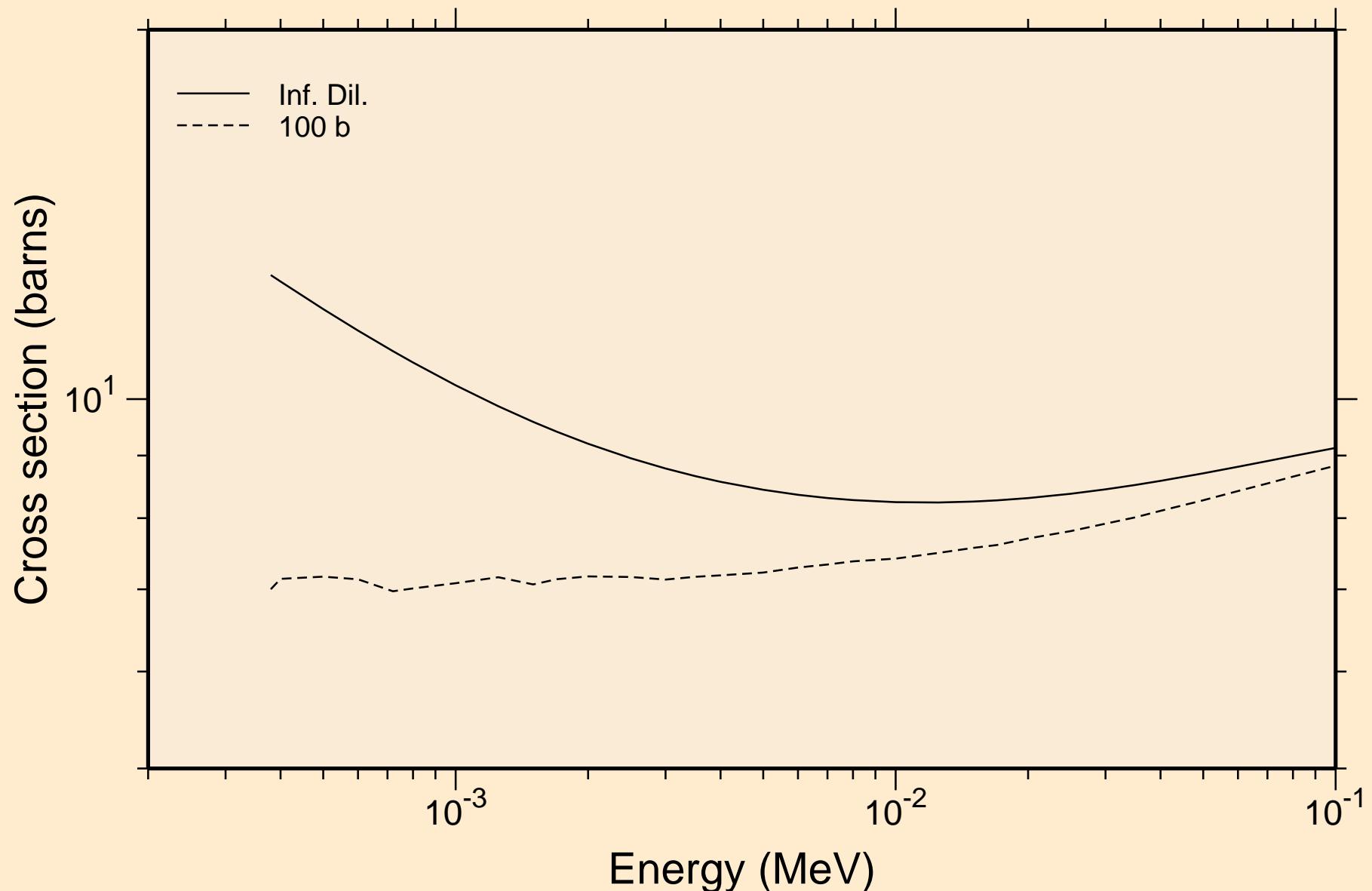


# ENDF/B-VII Y-91

## UR total cross section

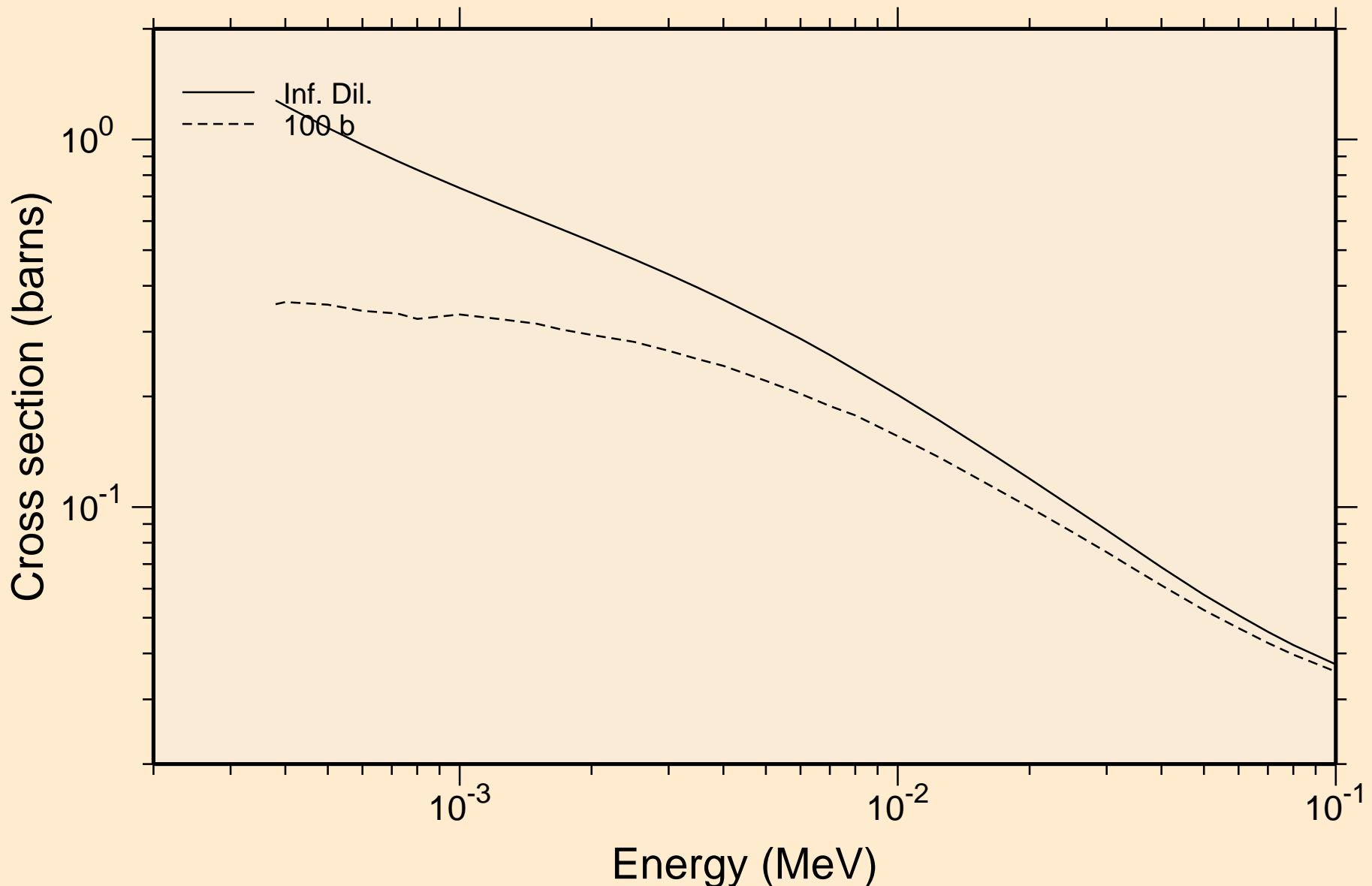


ENDF/B-VII Y-91  
UR elastic cross section

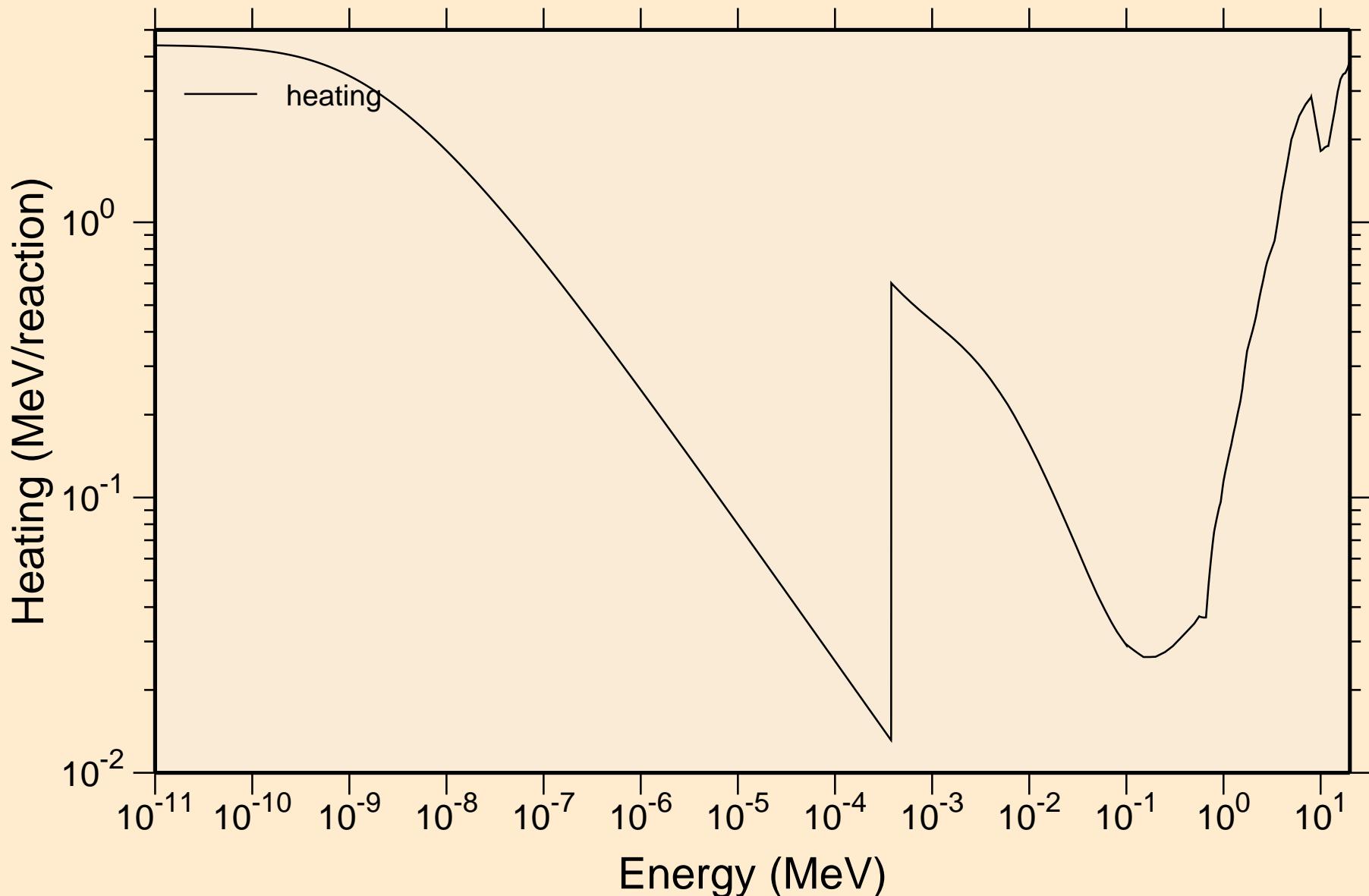


# ENDF/B-VII Y-91

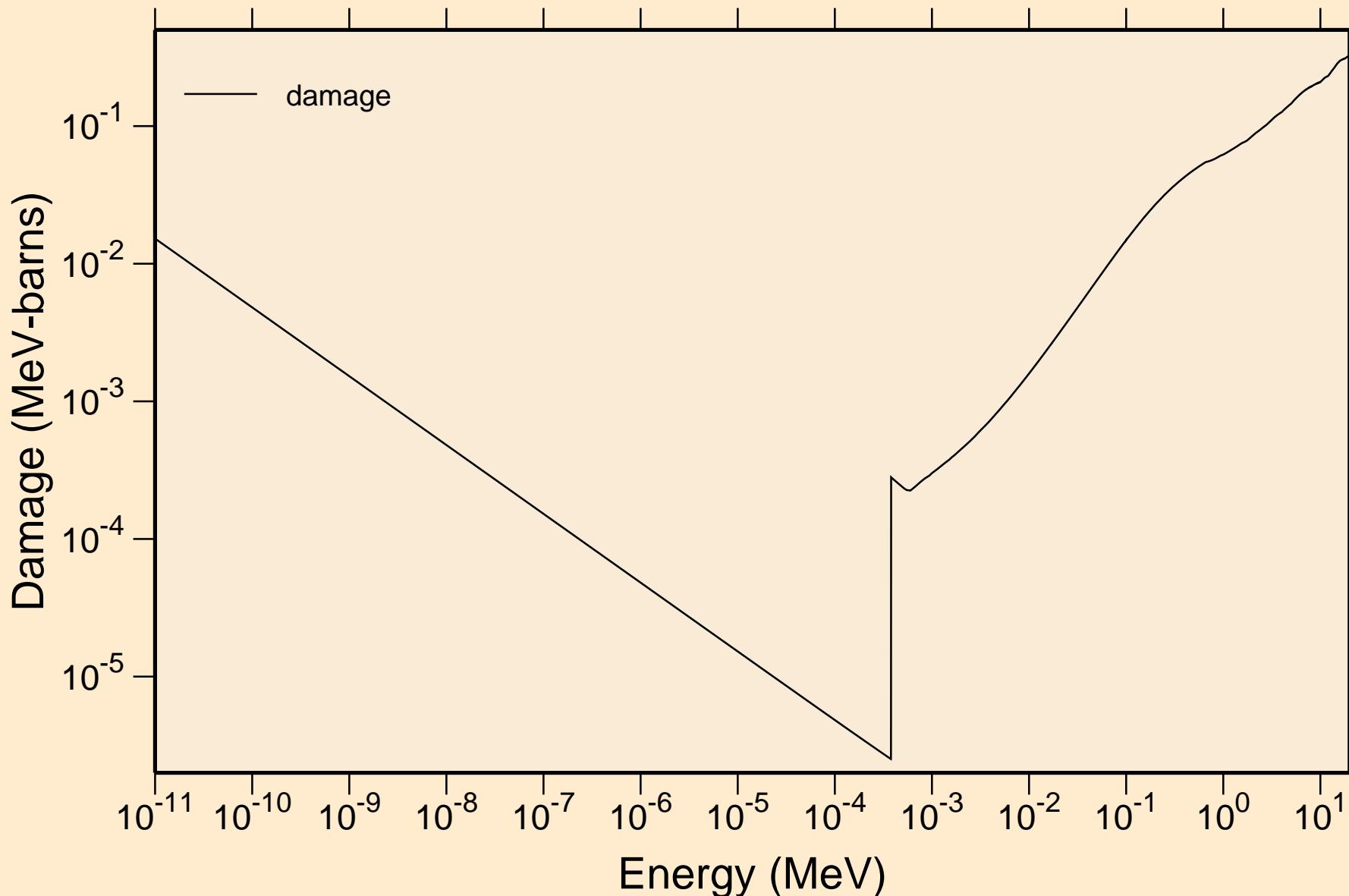
## UR capture cross section



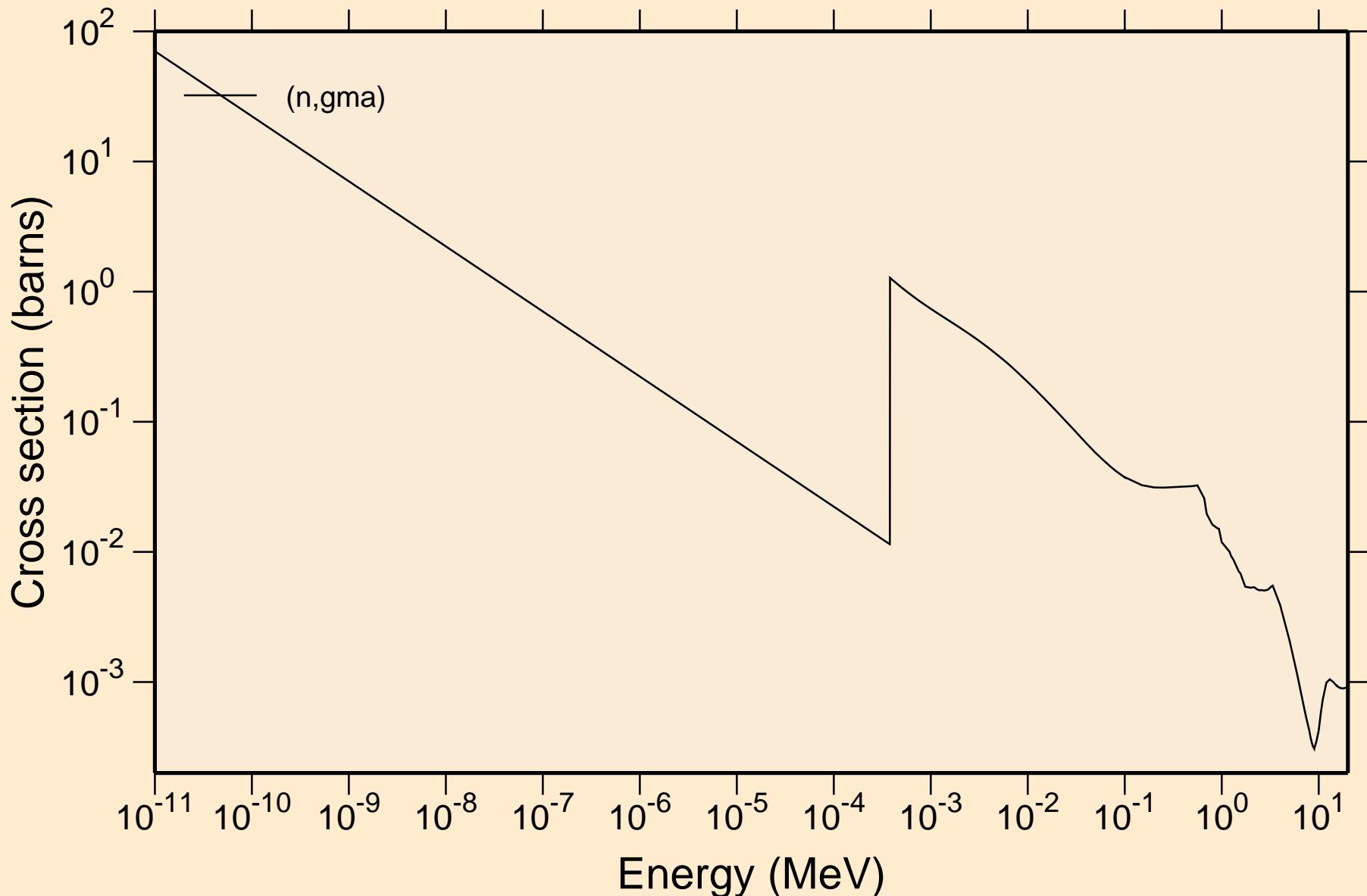
ENDF/B-VII Y-91  
Heating



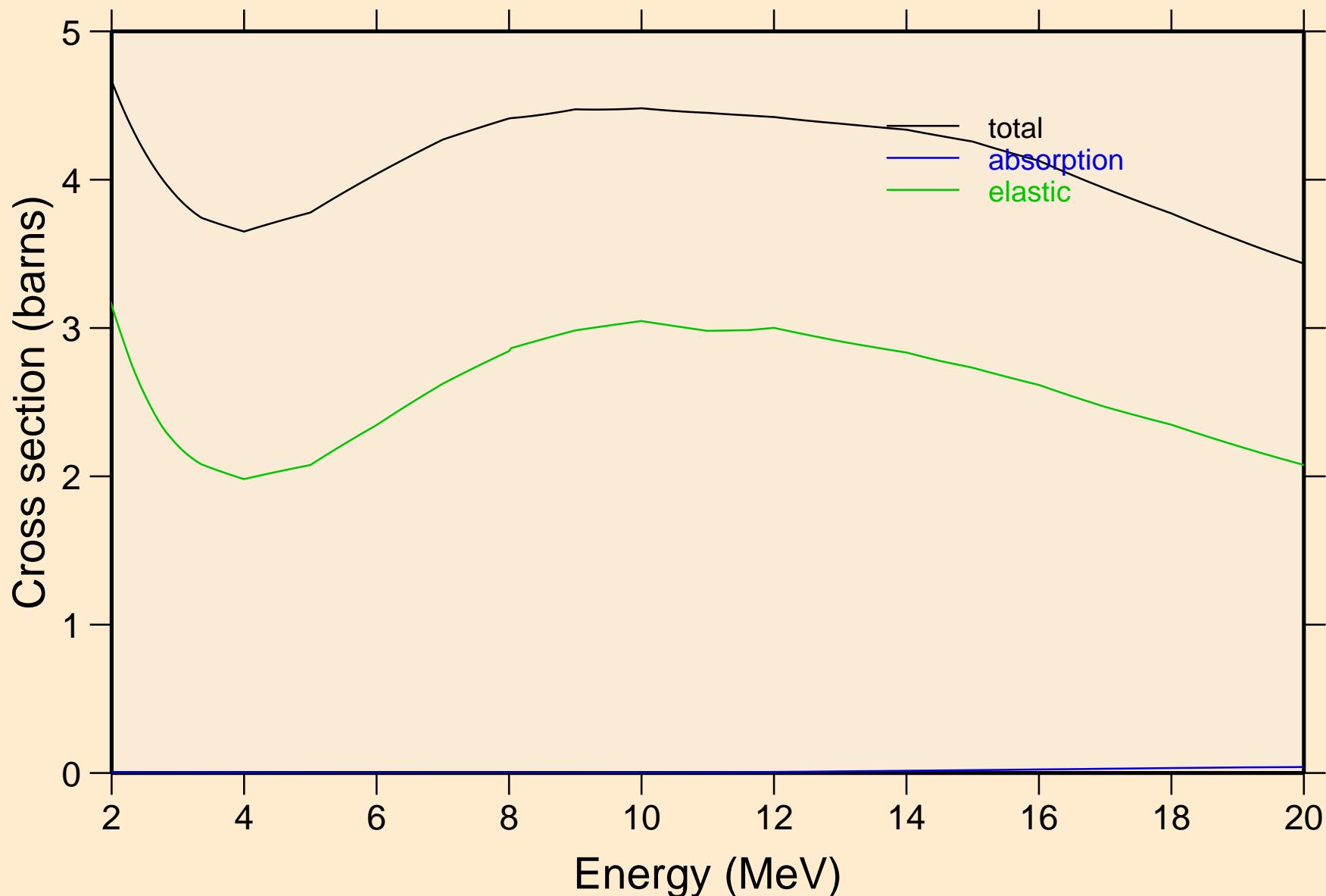
ENDF/B-VII Y-91  
Damage



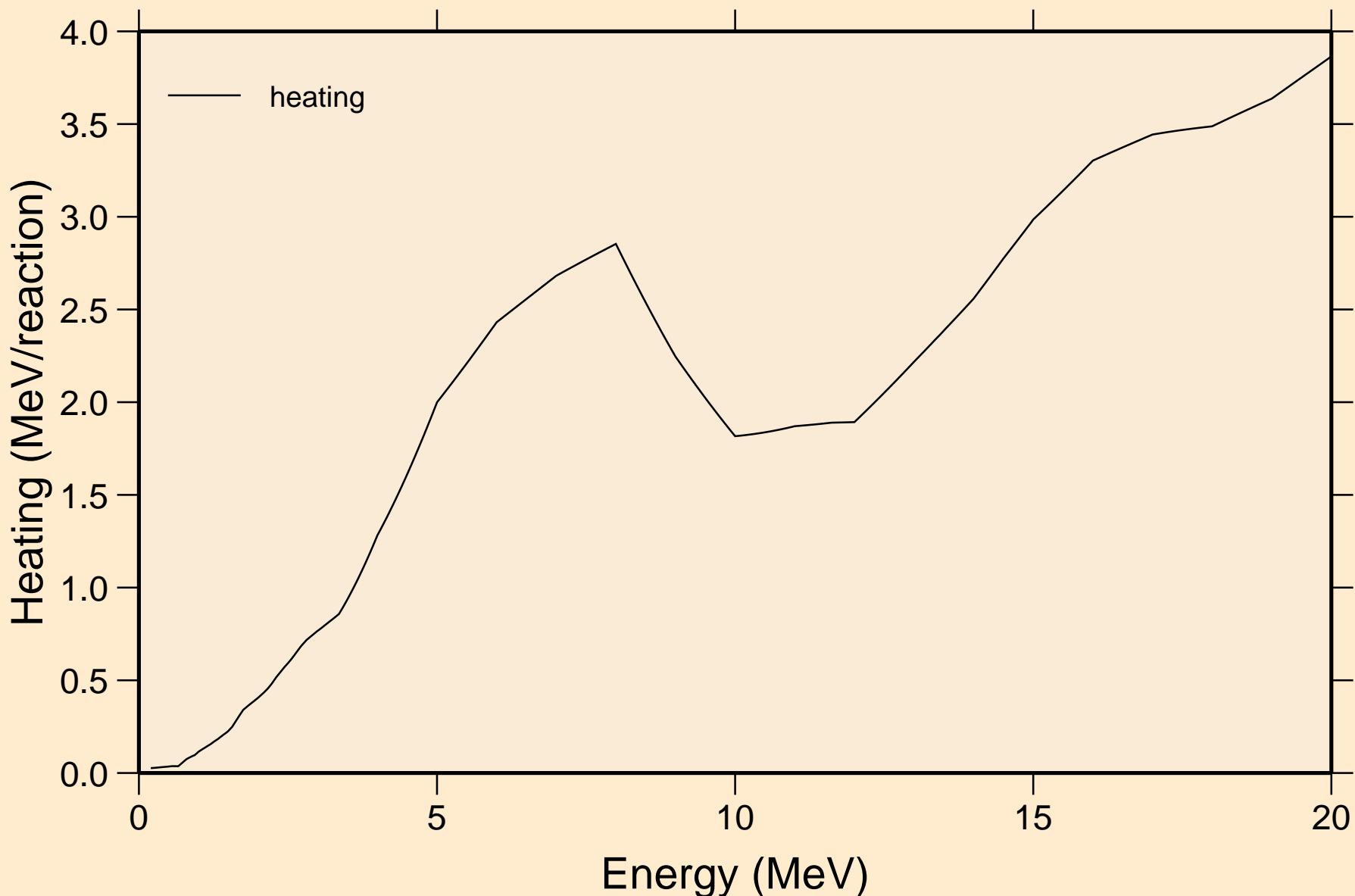
ENDF/B-VII Y-91  
Non-threshold reactions



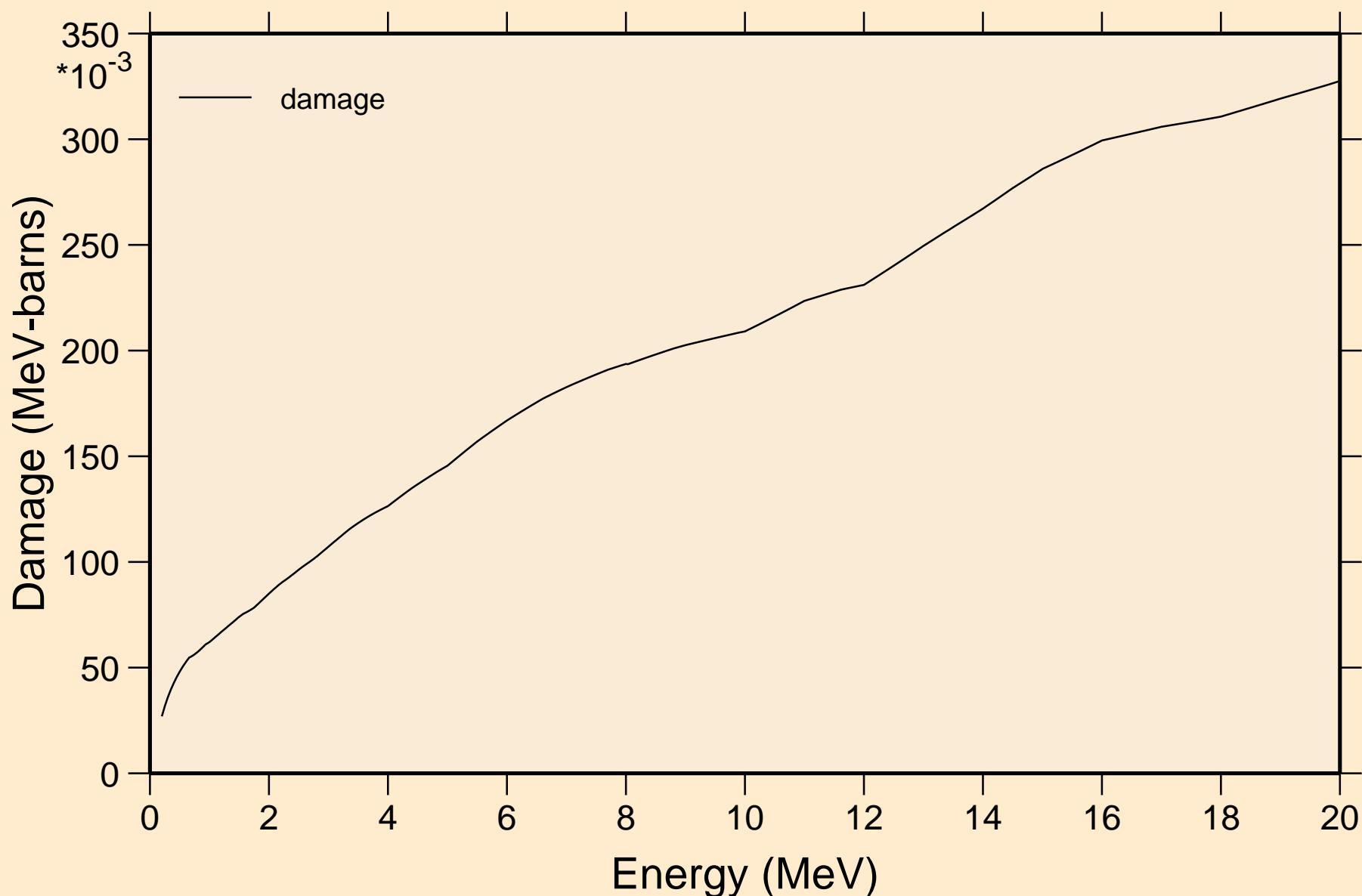
ENDF/B-VII Y-91  
Principal cross sections



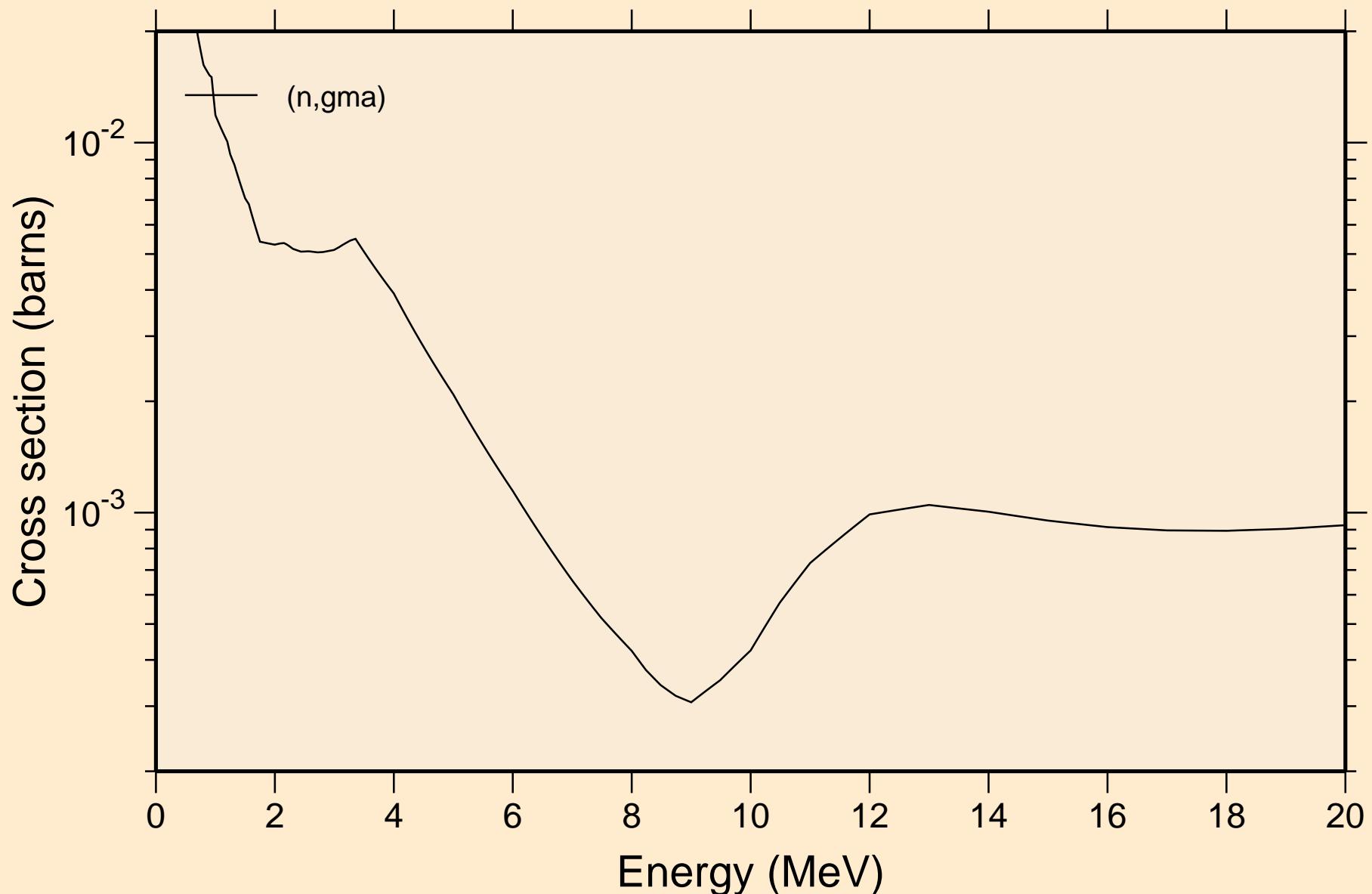
ENDF/B-VII Y-91  
Heating



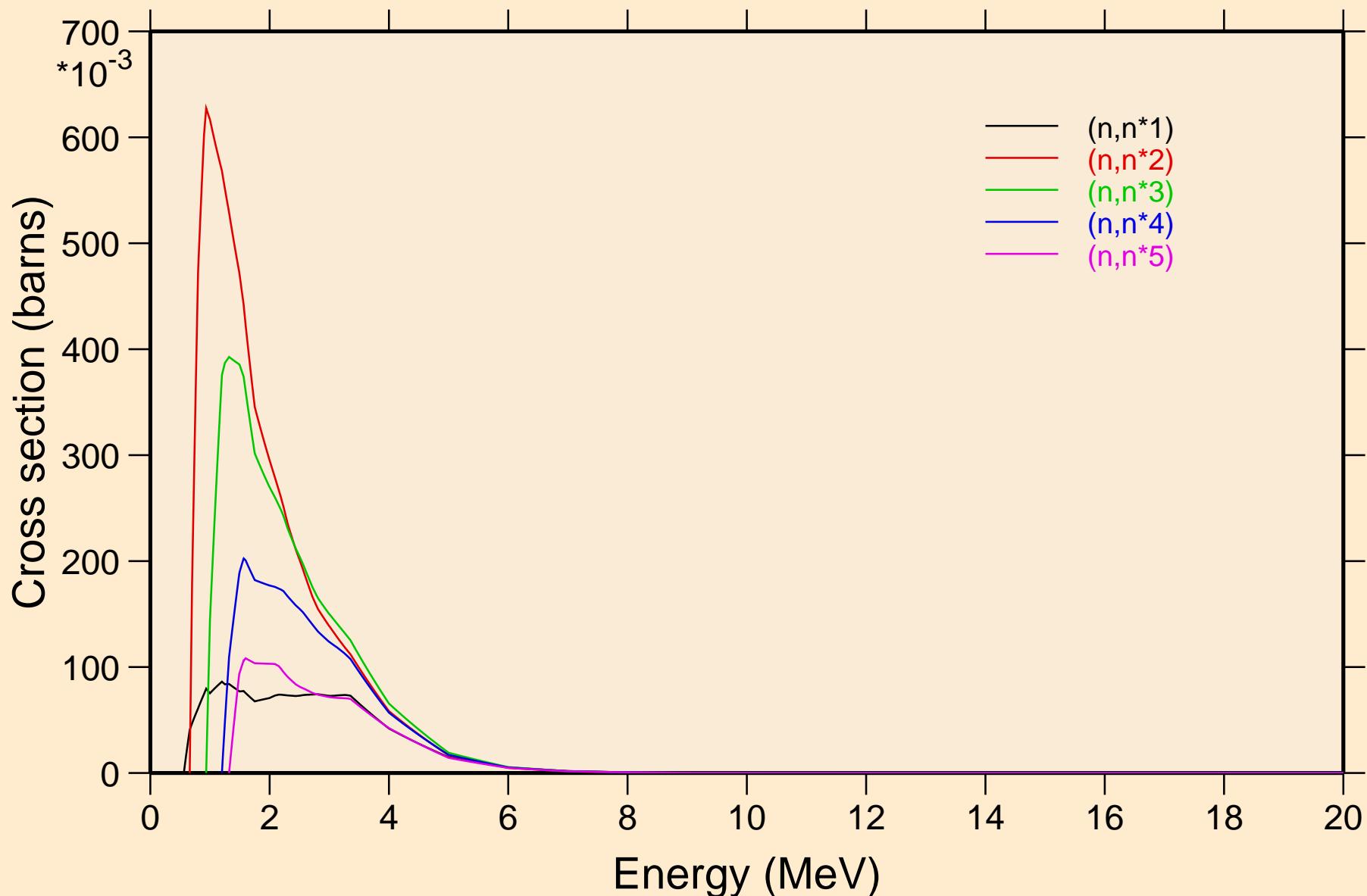
ENDF/B-VII Y-91  
Damage



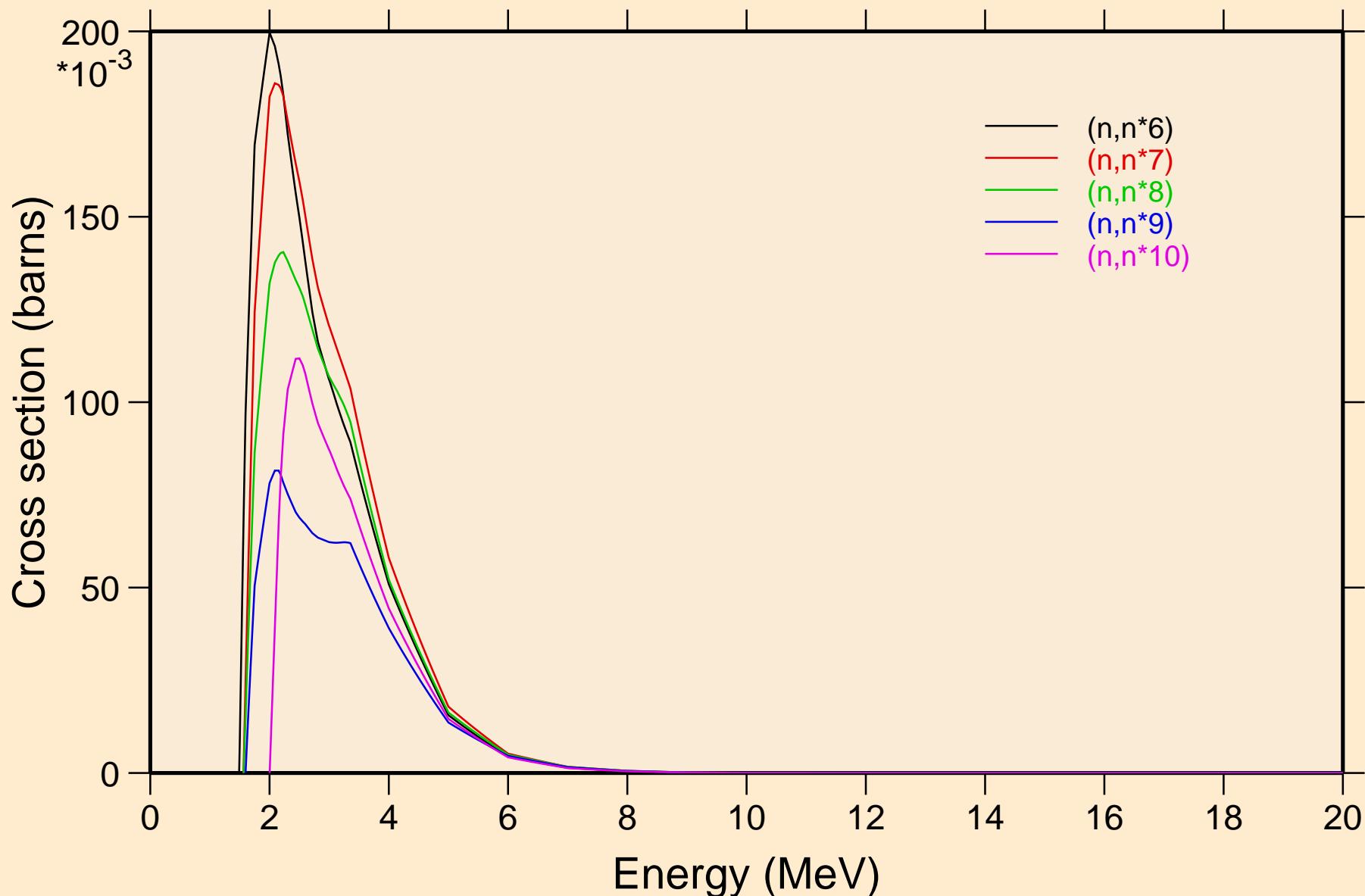
ENDF/B-VII Y-91  
Non-threshold reactions



ENDF/B-VII Y-91  
Inelastic levels

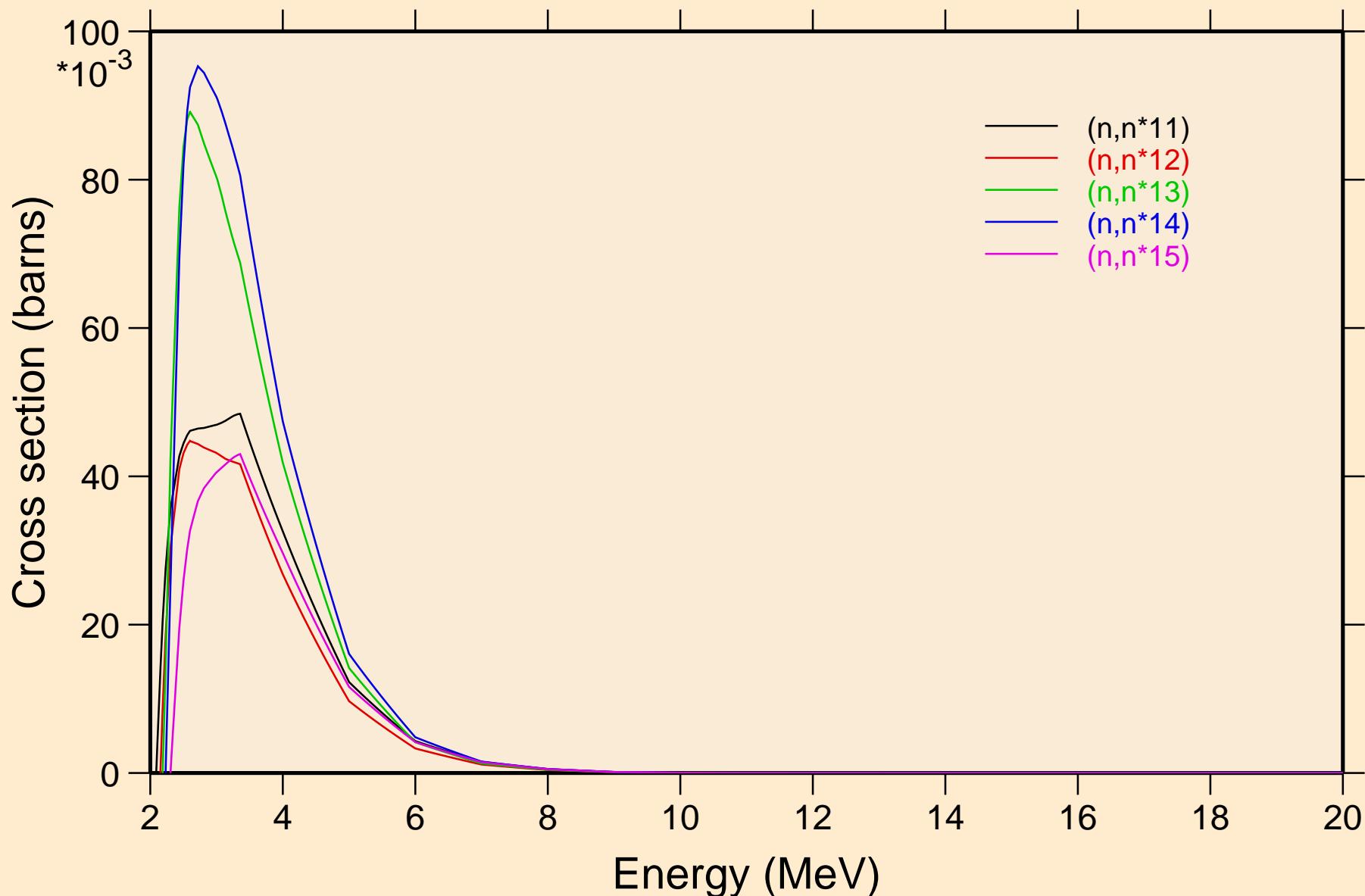


ENDF/B-VII Y-91  
Inelastic levels

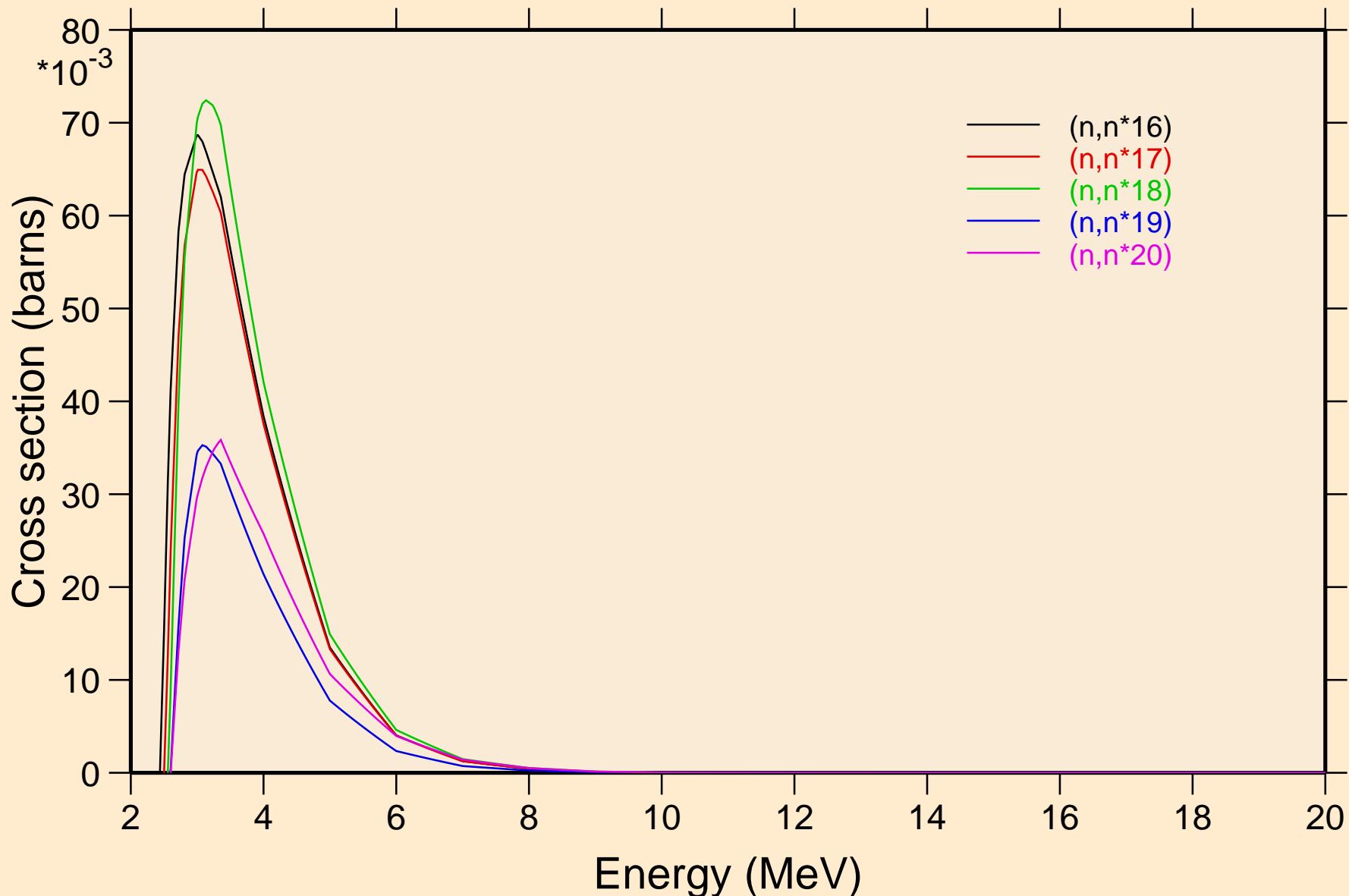


# ENDF/B-VII Y-91

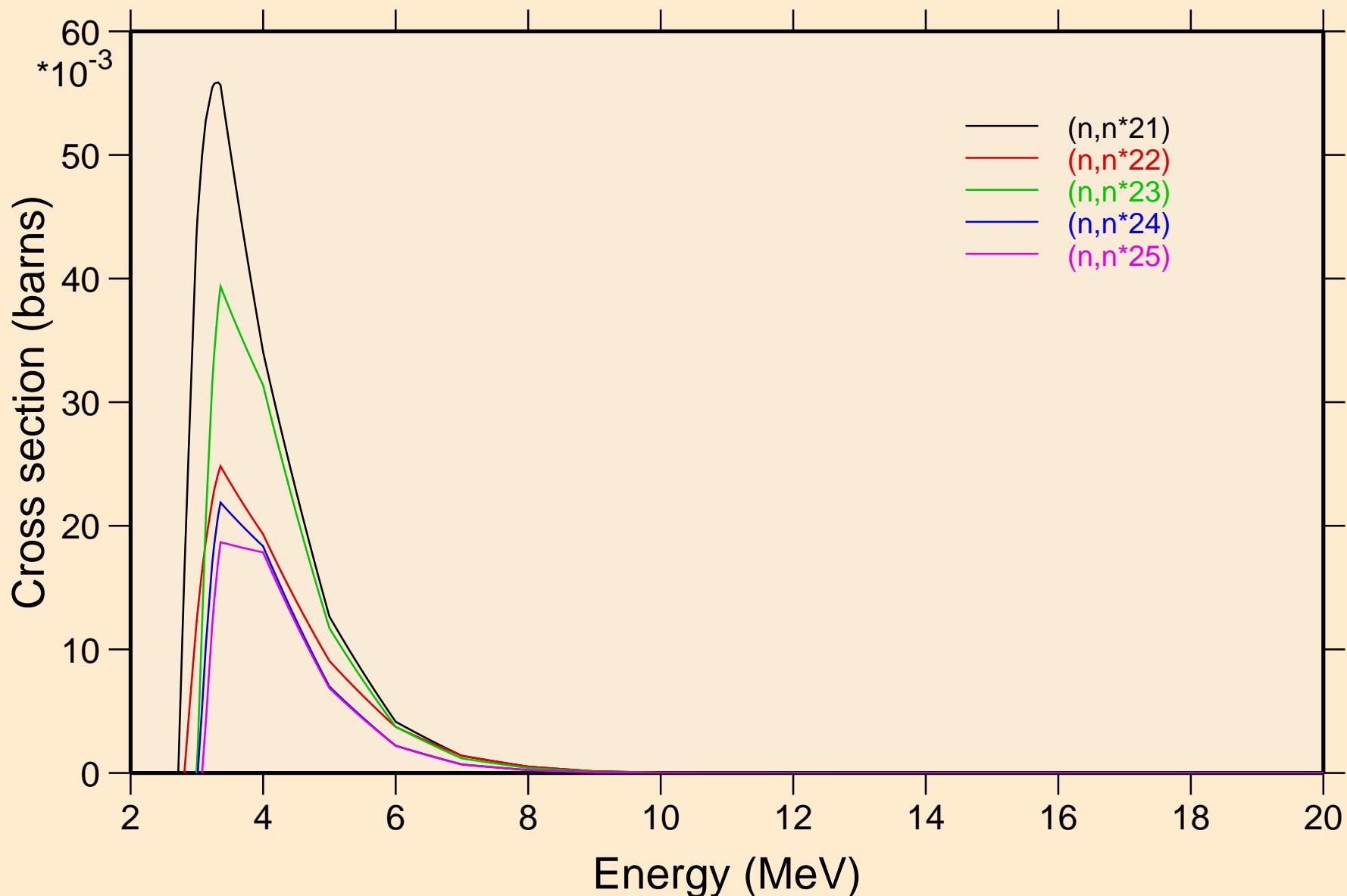
## Inelastic levels



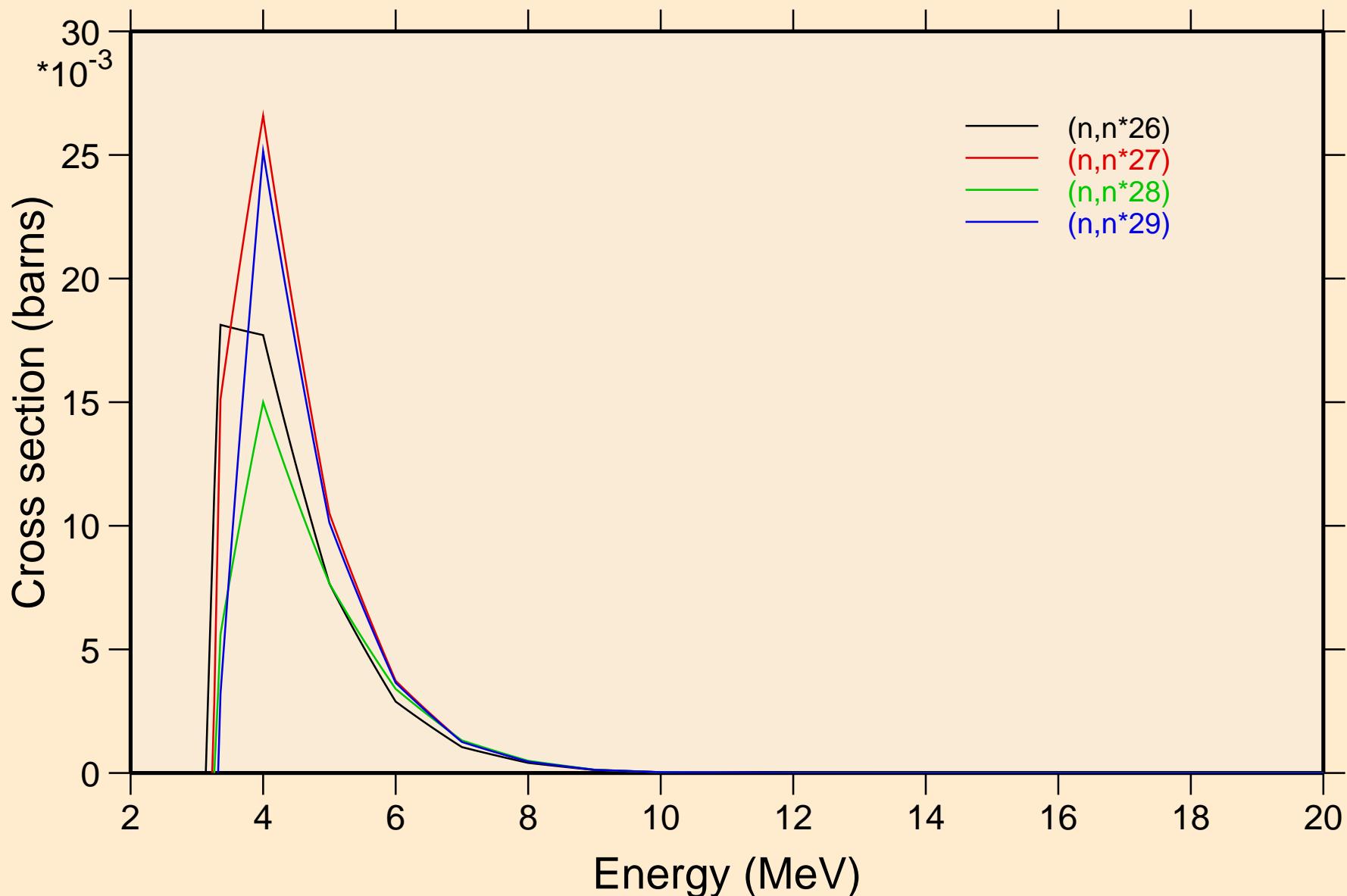
ENDF/B-VII Y-91  
Inelastic levels



ENDF/B-VII Y-91  
Inelastic levels

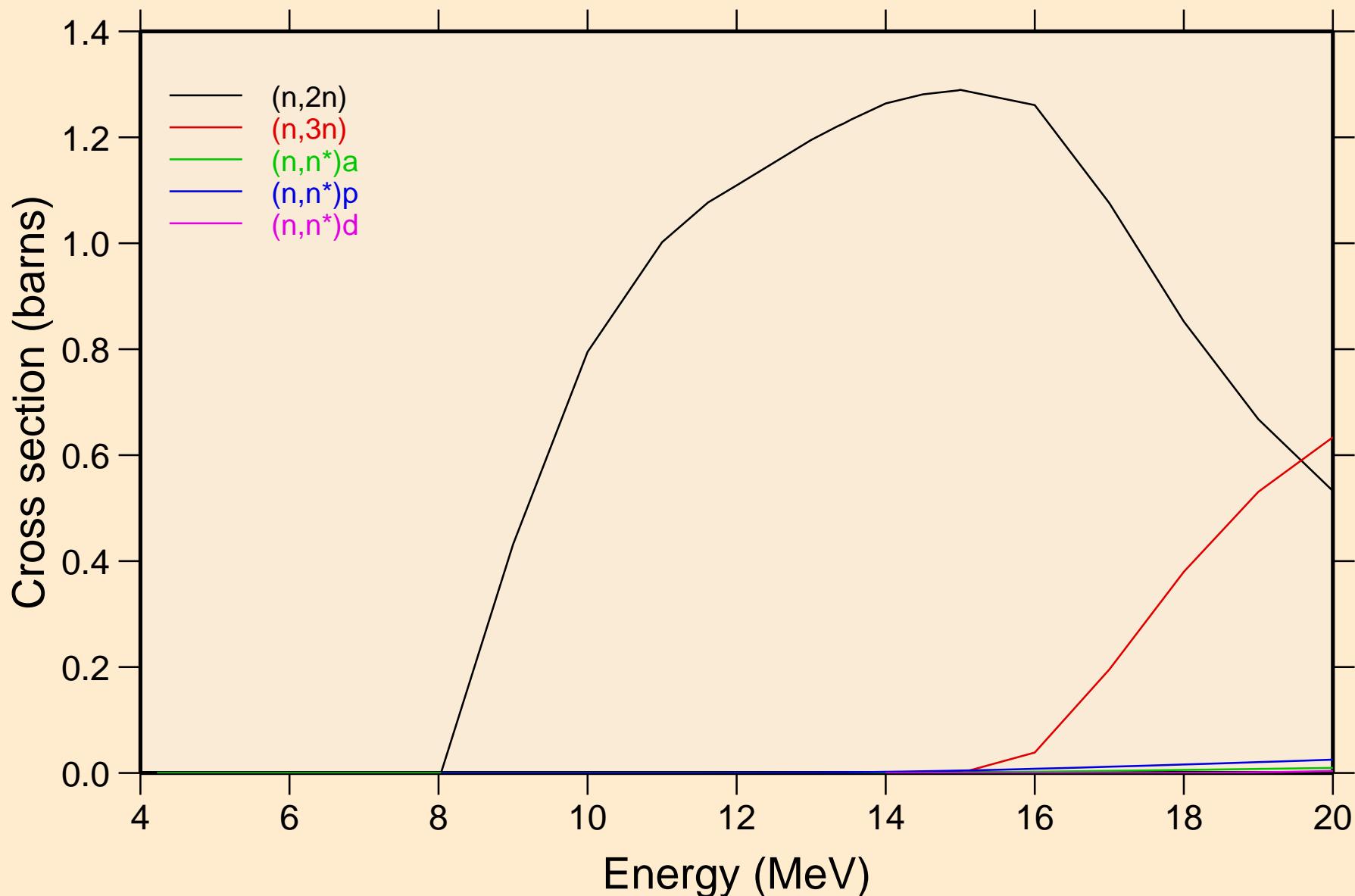


ENDF/B-VII Y-91  
Inelastic levels



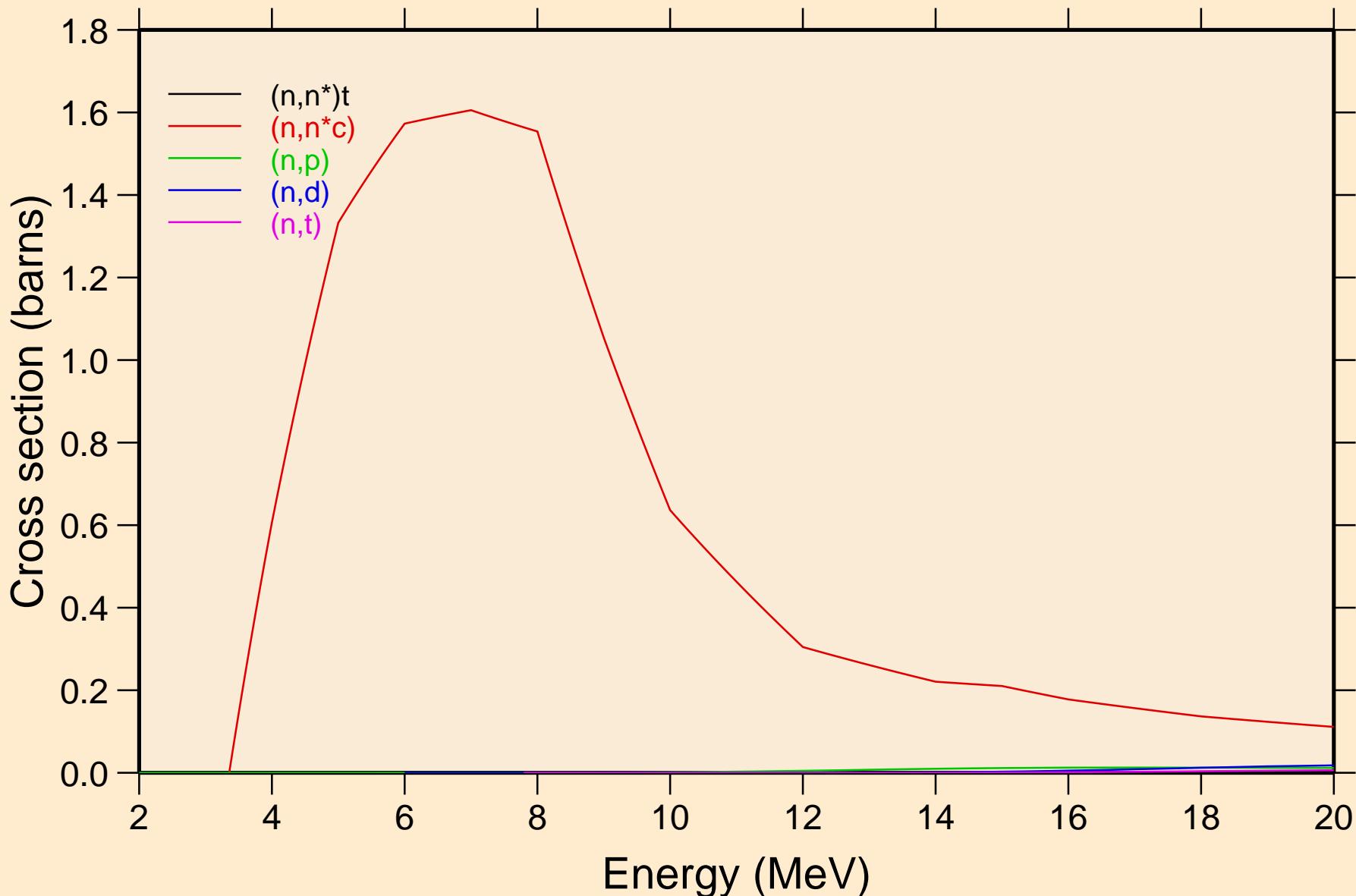
# ENDF/B-VII Y-91

## Threshold reactions

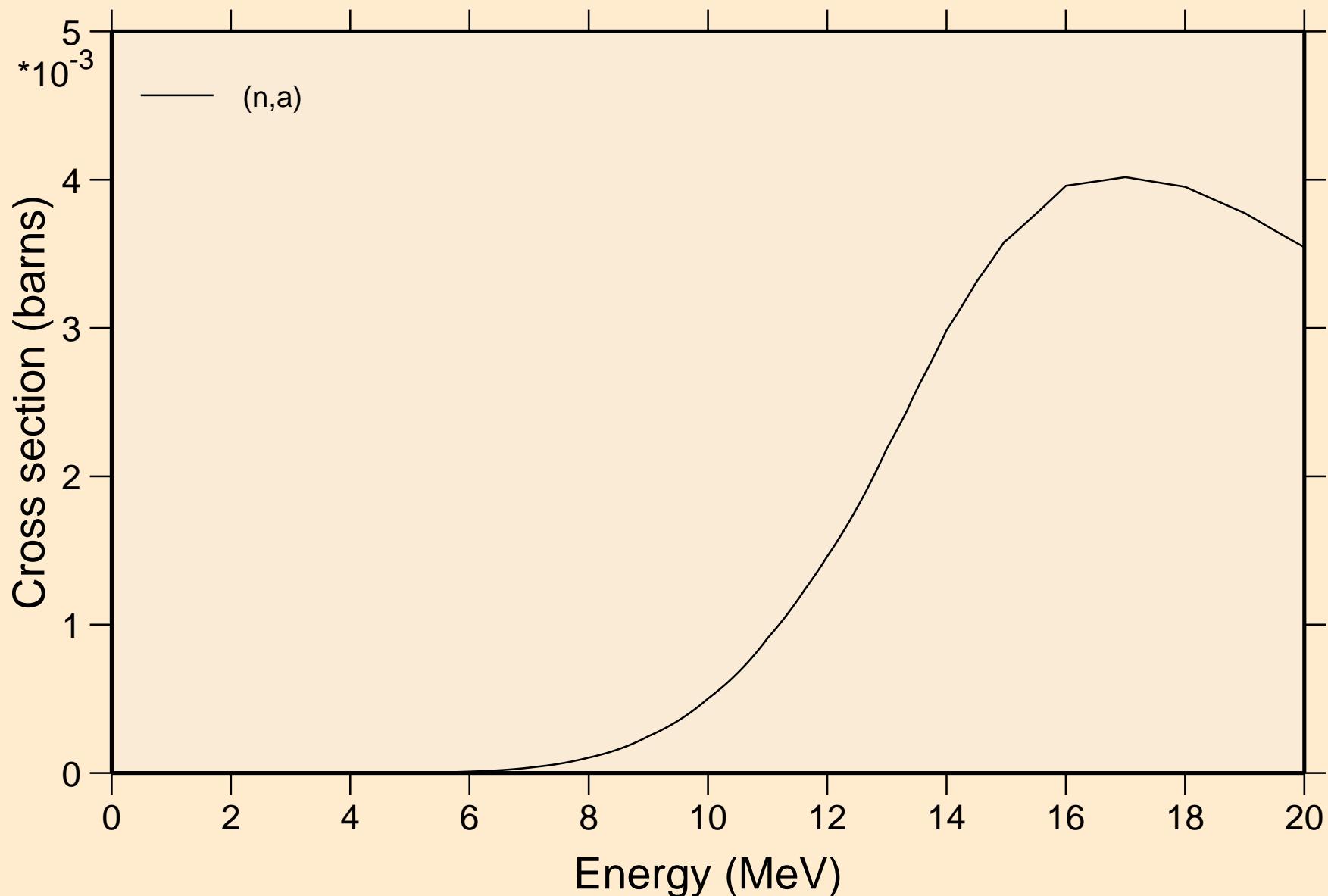


# ENDF/B-VII Y-91

## Threshold reactions

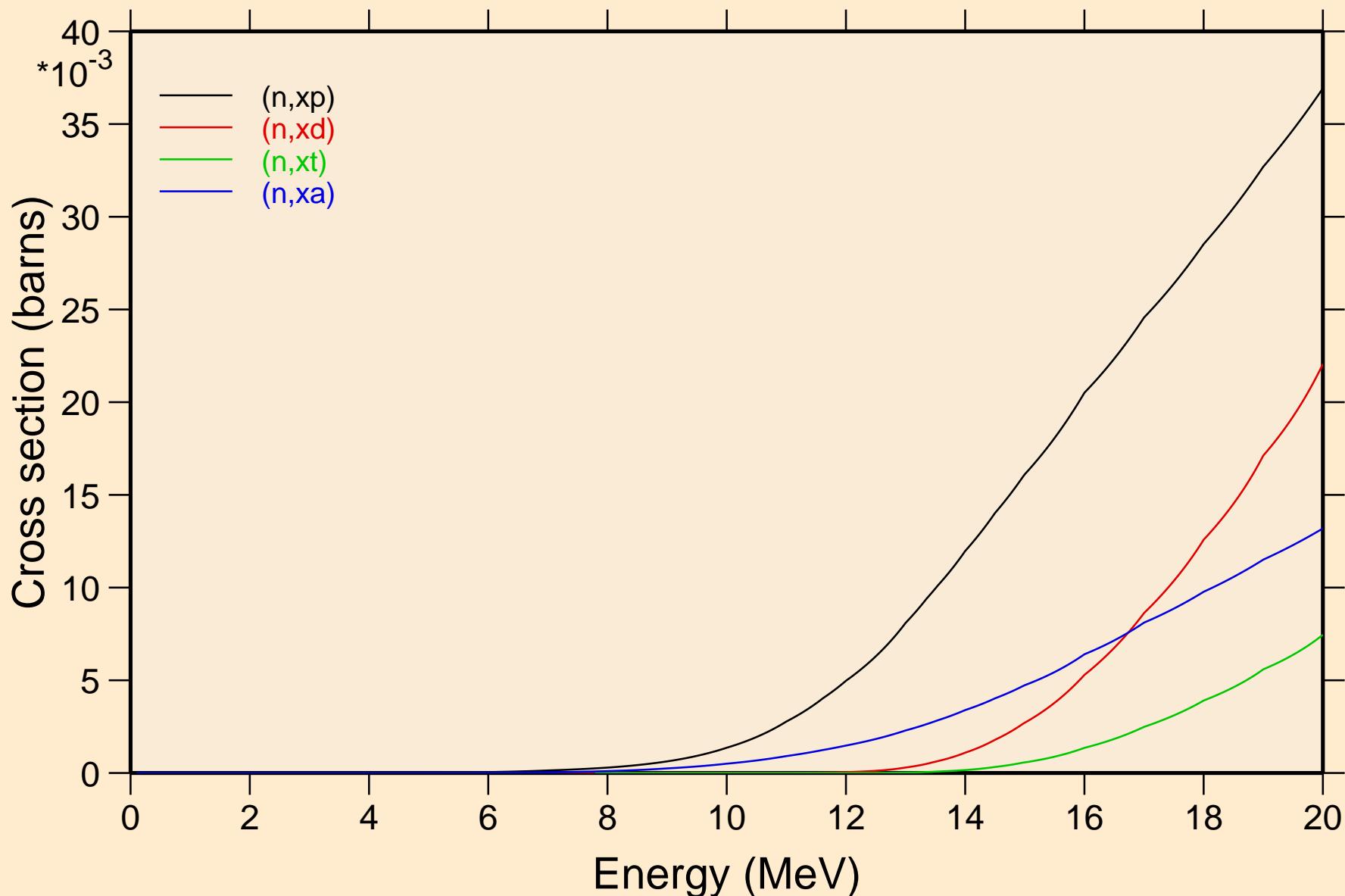


ENDF/B-VII Y-91  
Threshold reactions



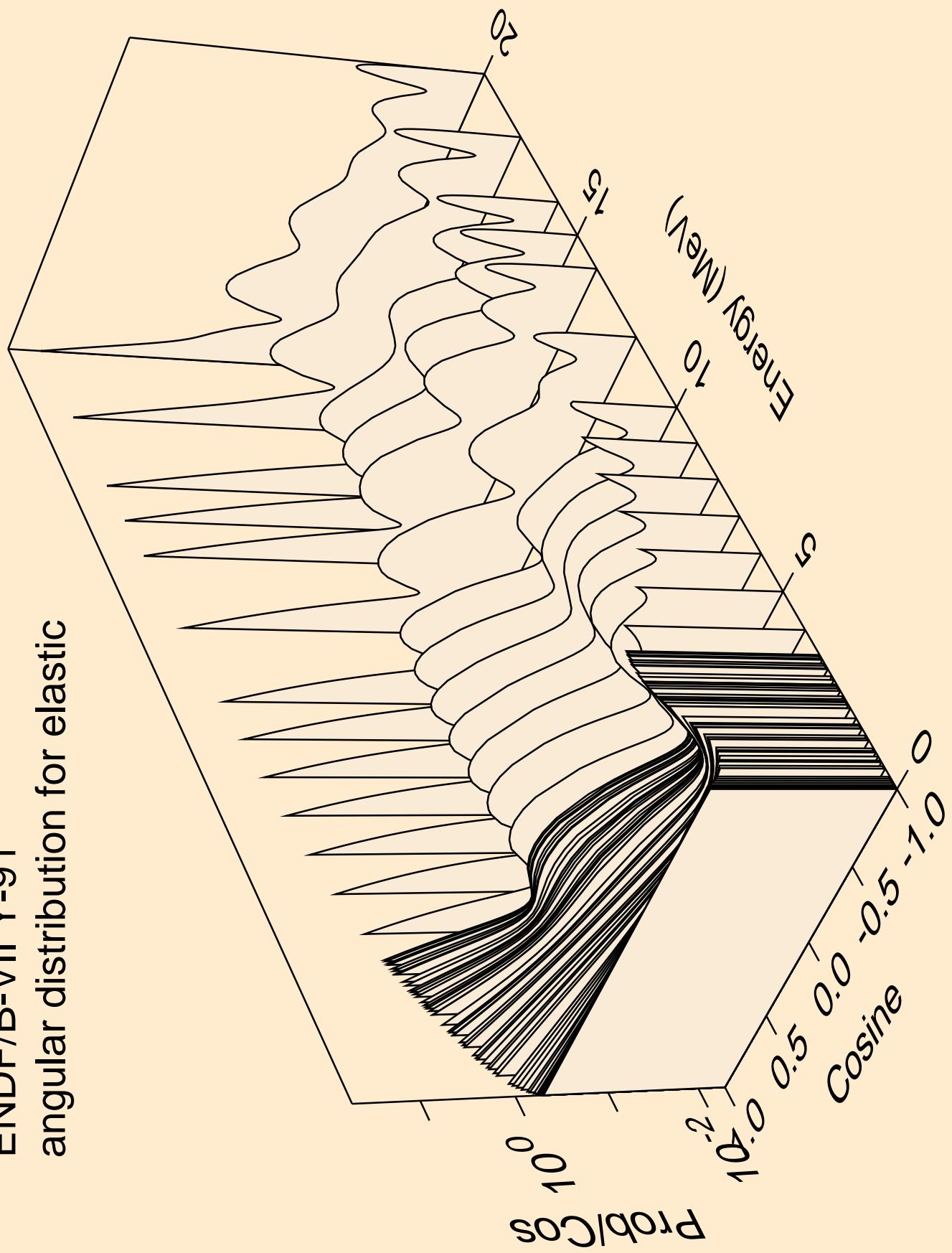
# ENDF/B-VII Y-91

## Threshold reactions



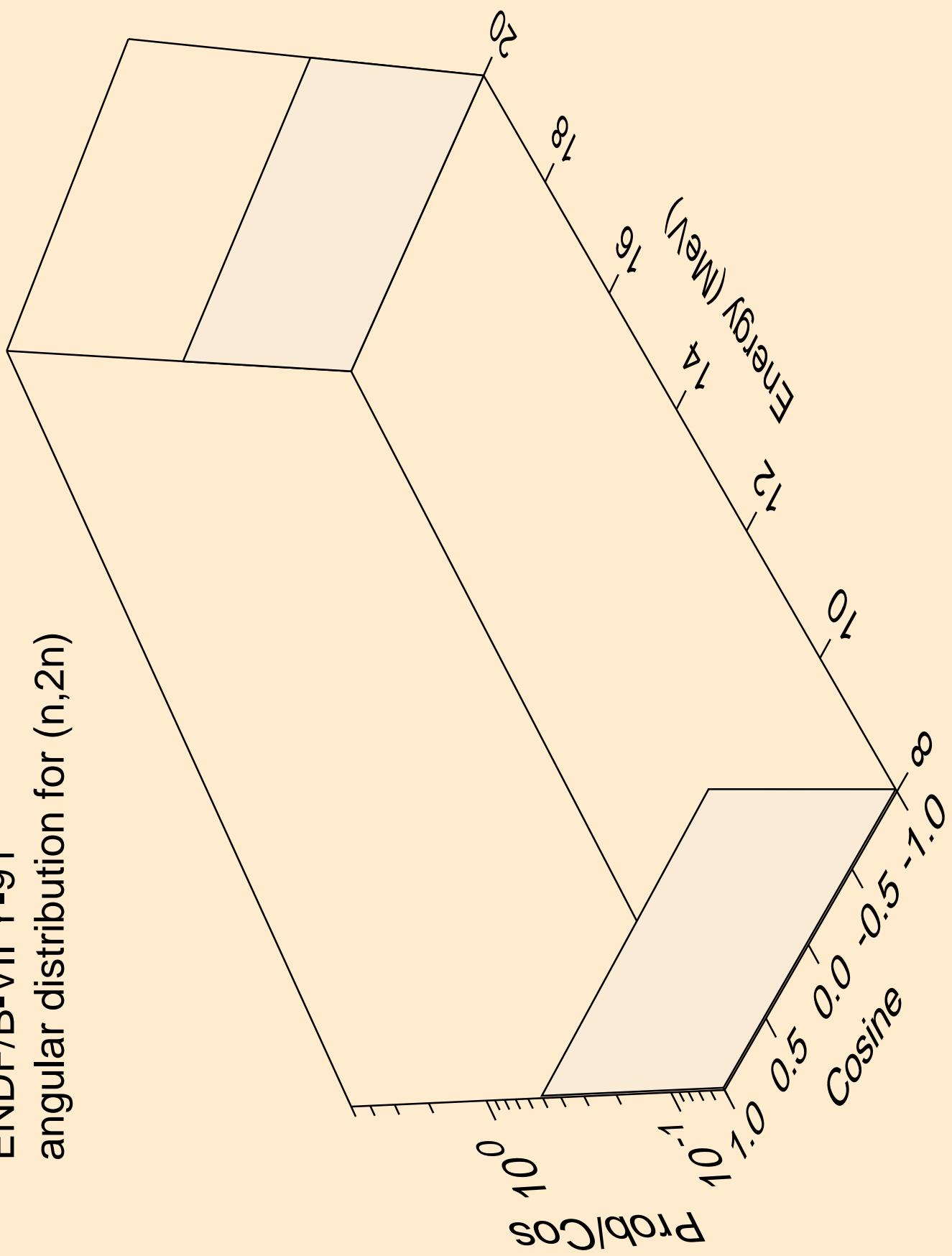
ENDF/B-VII Y-91

angular distribution for elastic



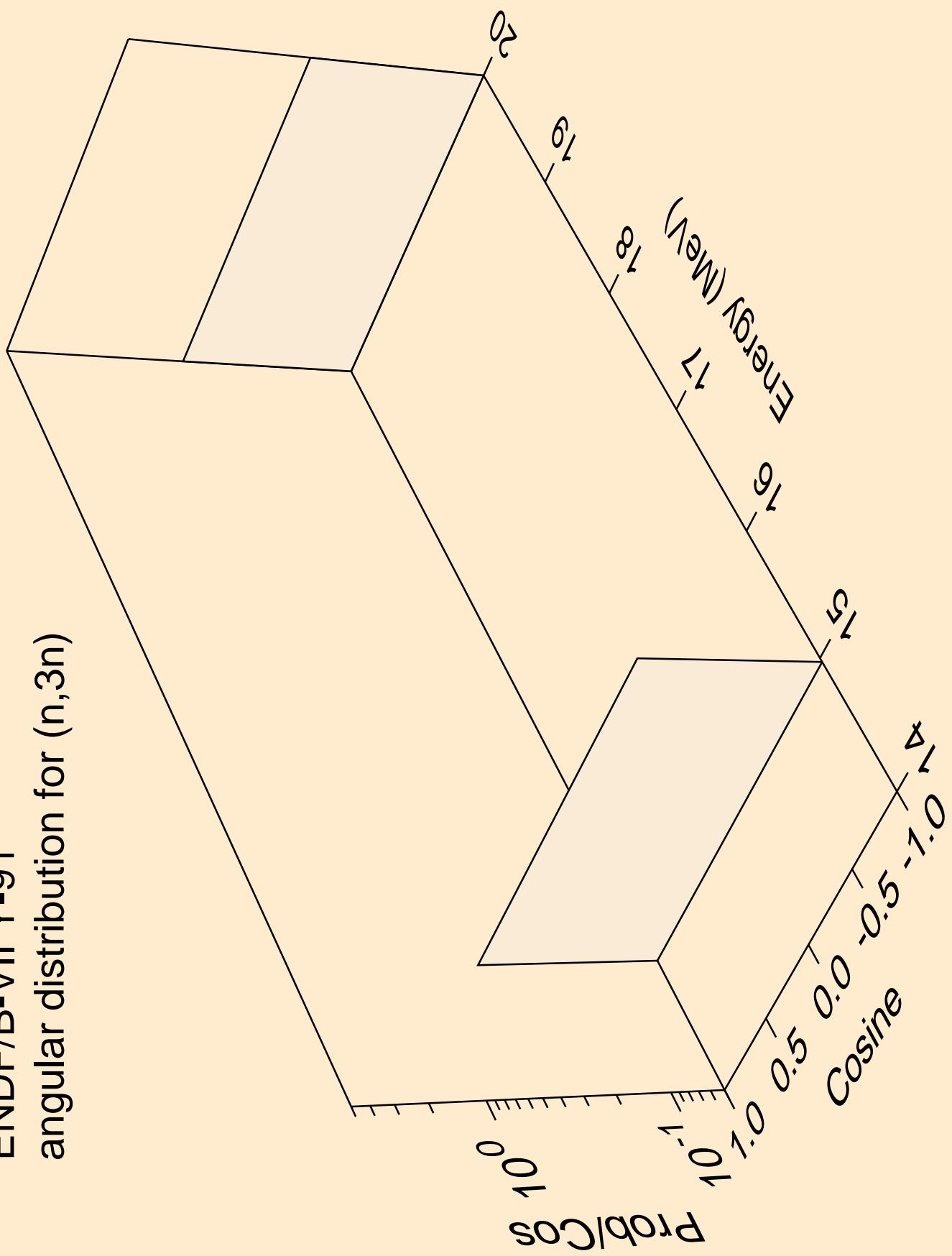
ENDF/B-VII Y-91

angular distribution for (n,2n)



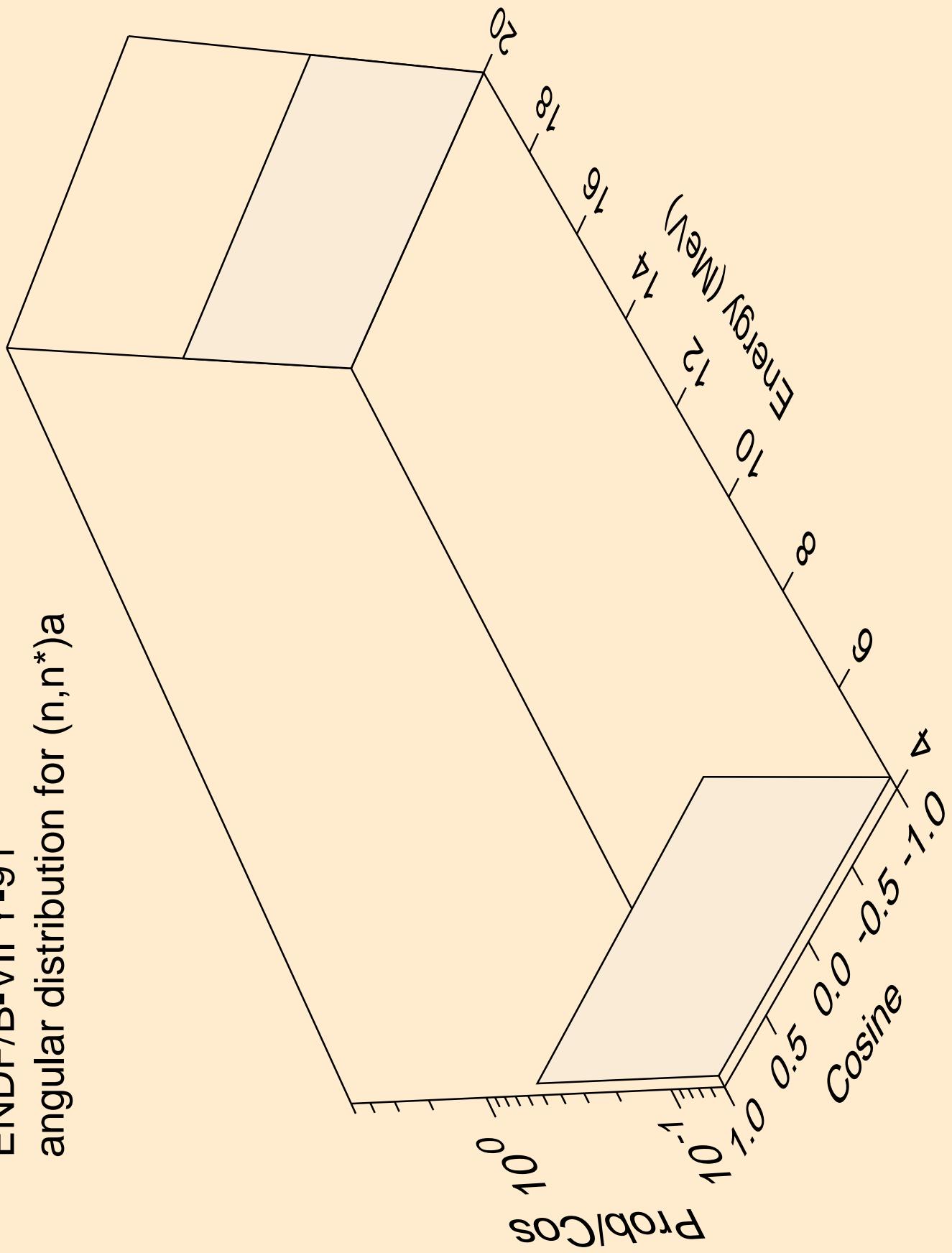
ENDF/B-VII Y-91

angular distribution for (n,3n)



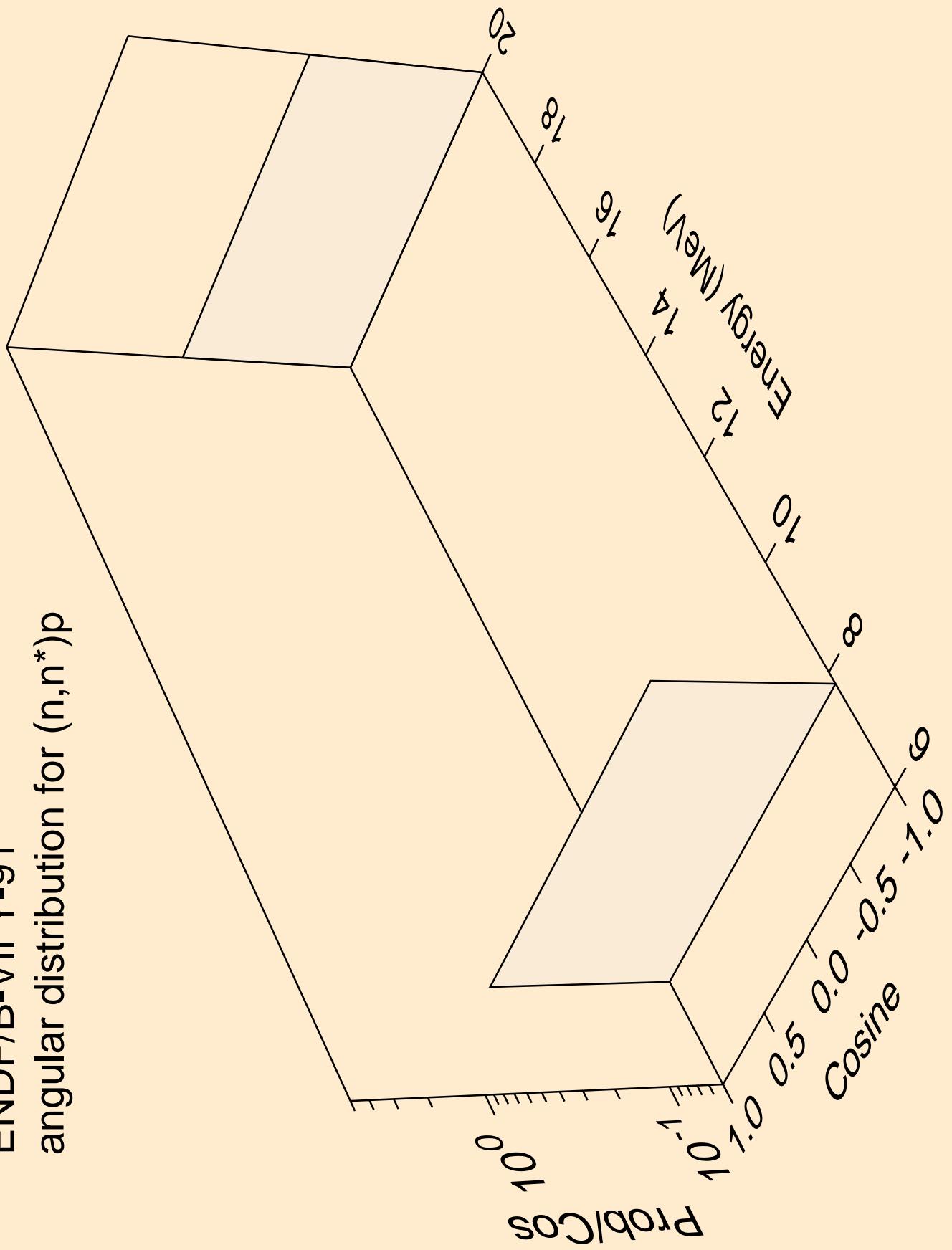
ENDF/B-VII Y-91

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



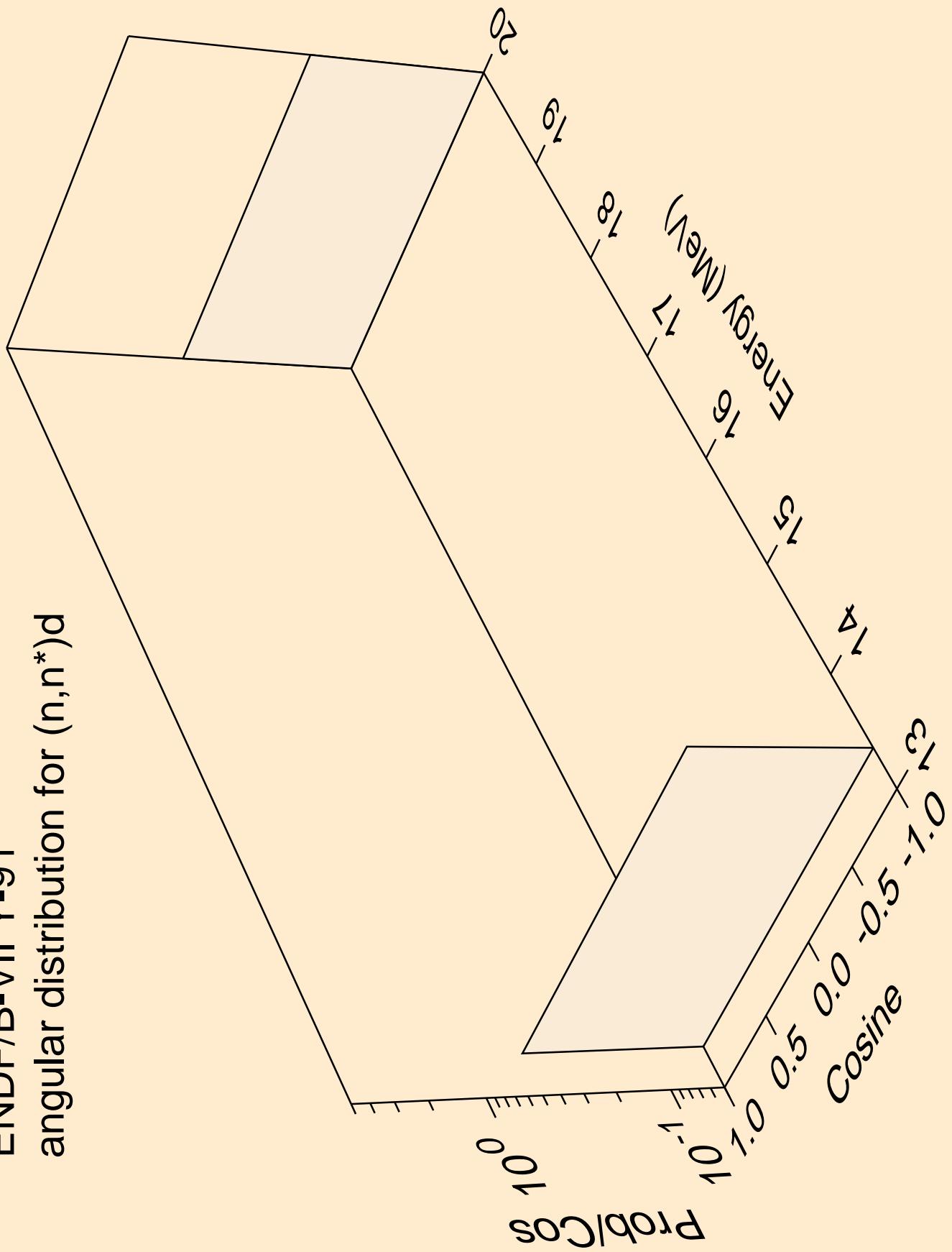
ENDF/B-VII Y-91

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



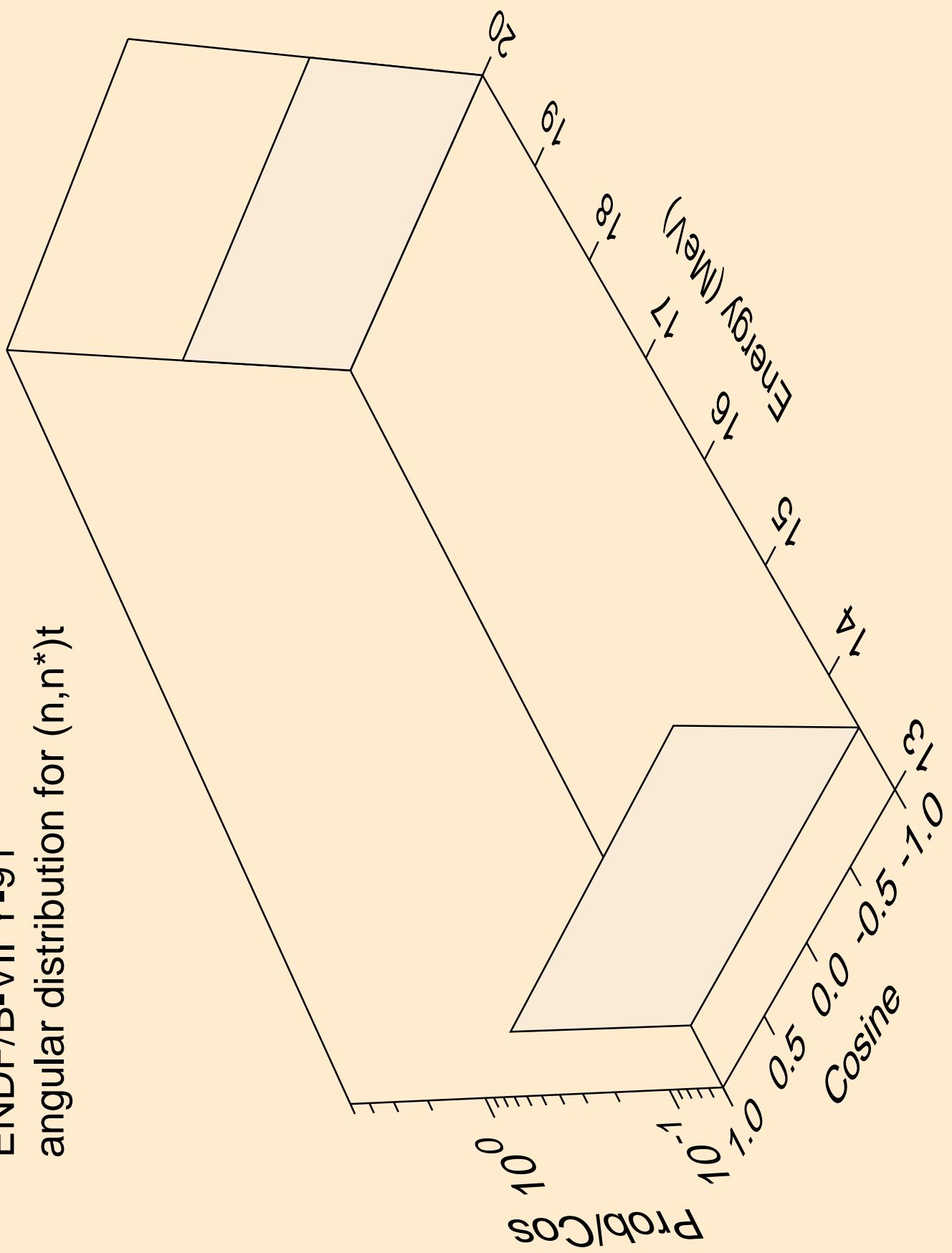
ENDF/B-VII Y-91

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



ENDF/B-VII Y-91

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



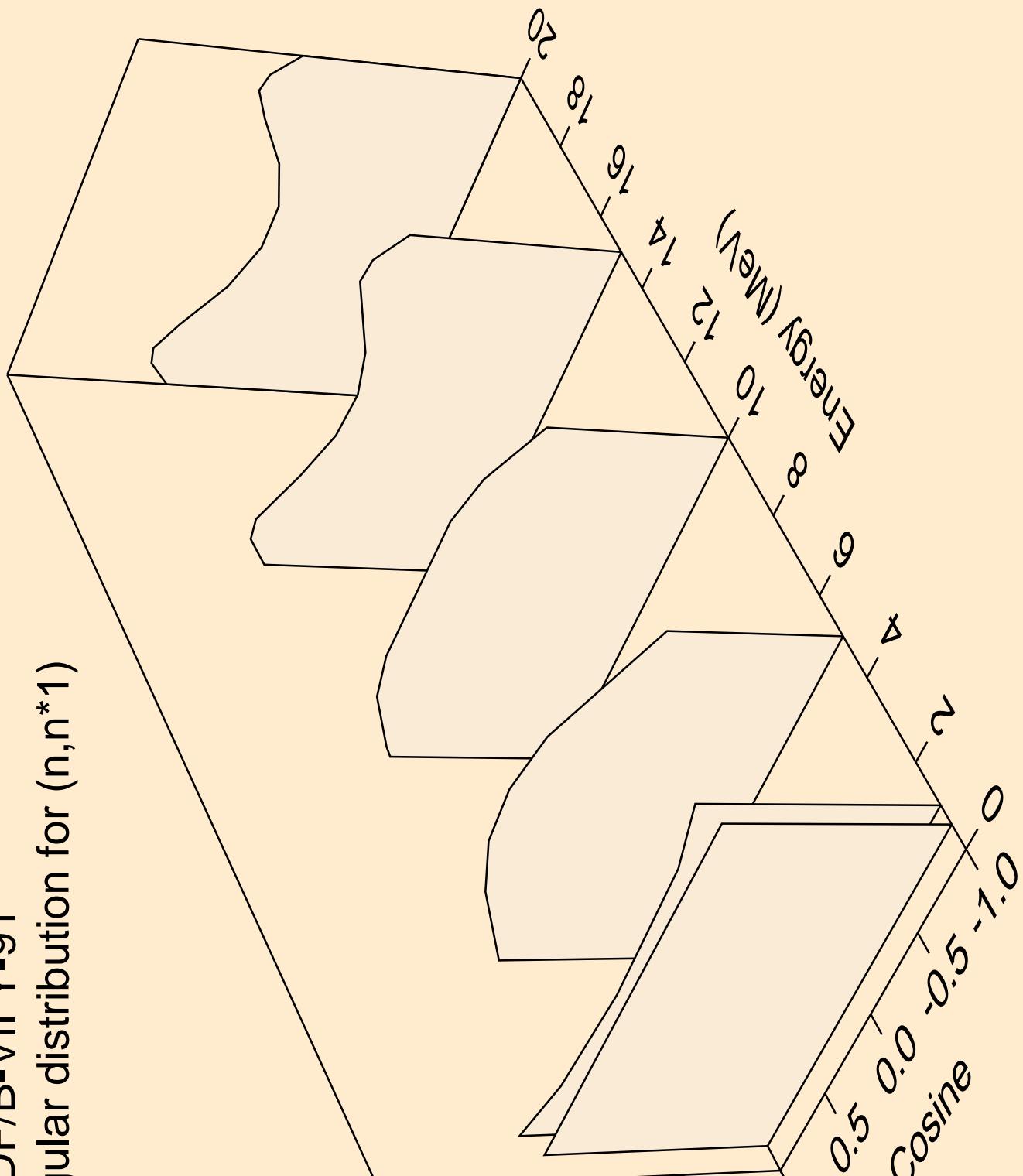
ENDF/B-VII Y-91

angular distribution for (n,n\*1)

$10^0$

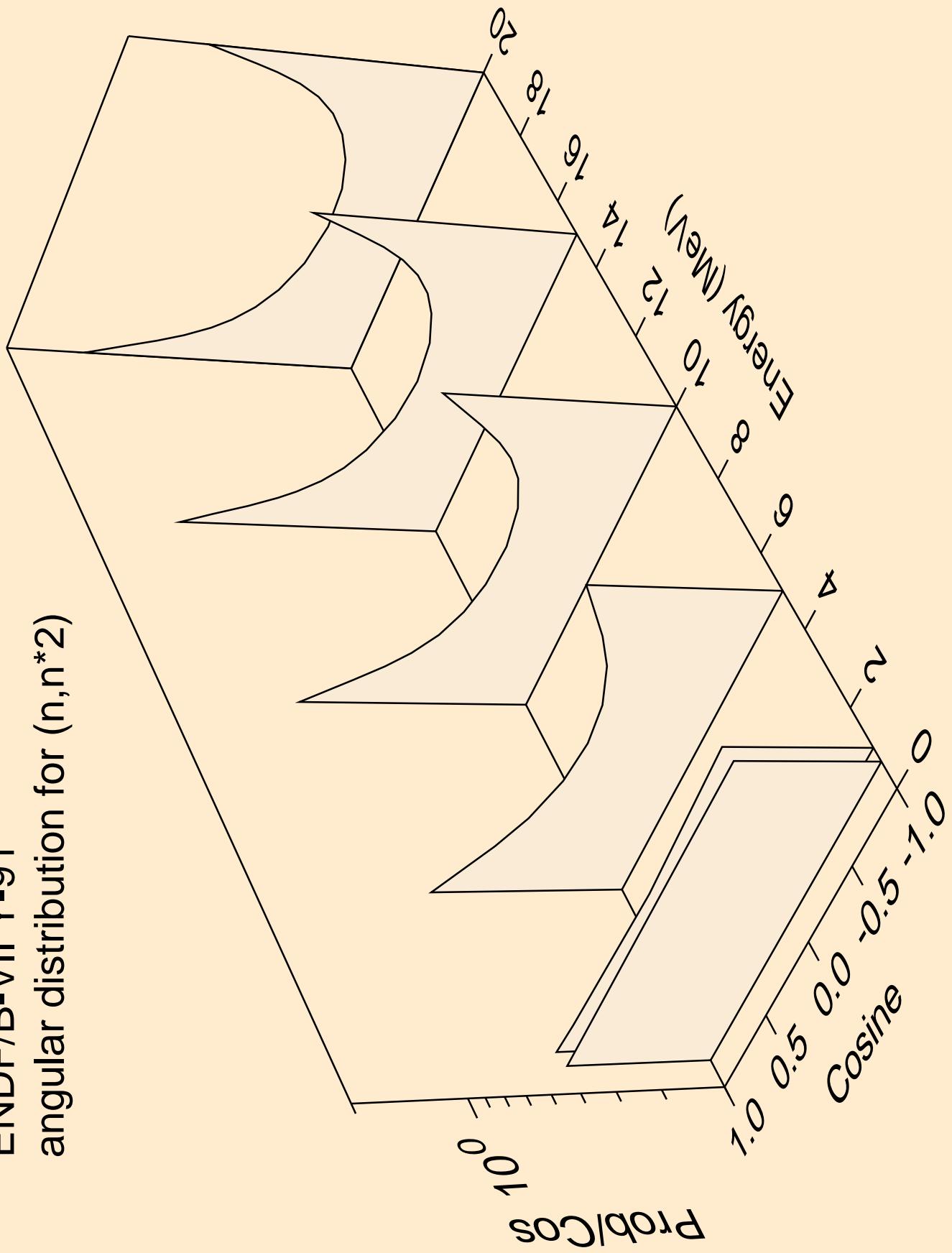
Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII Y-91

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



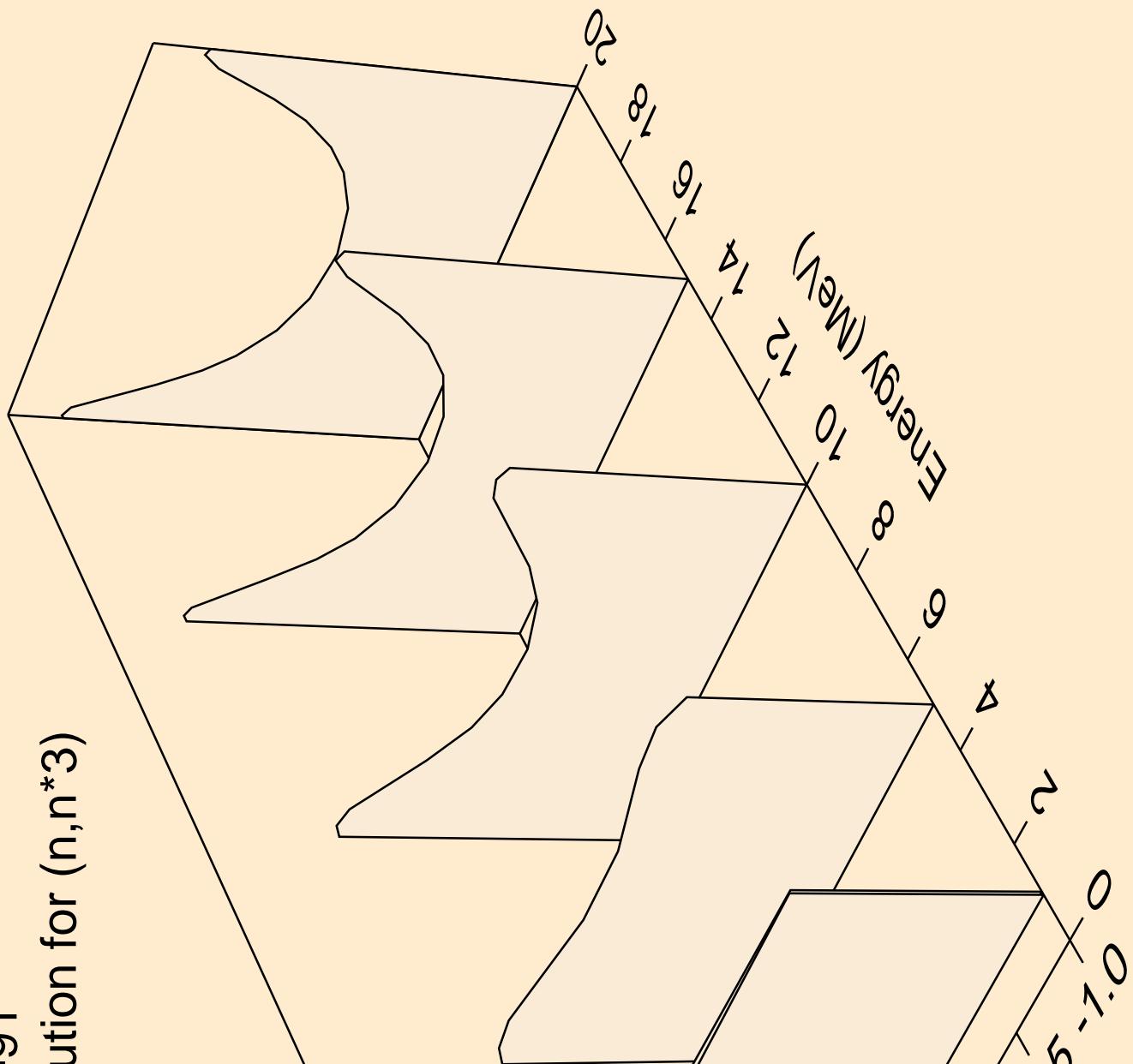
ENDF/B-VII Y-91

angular distribution for ( $n,n^*3$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



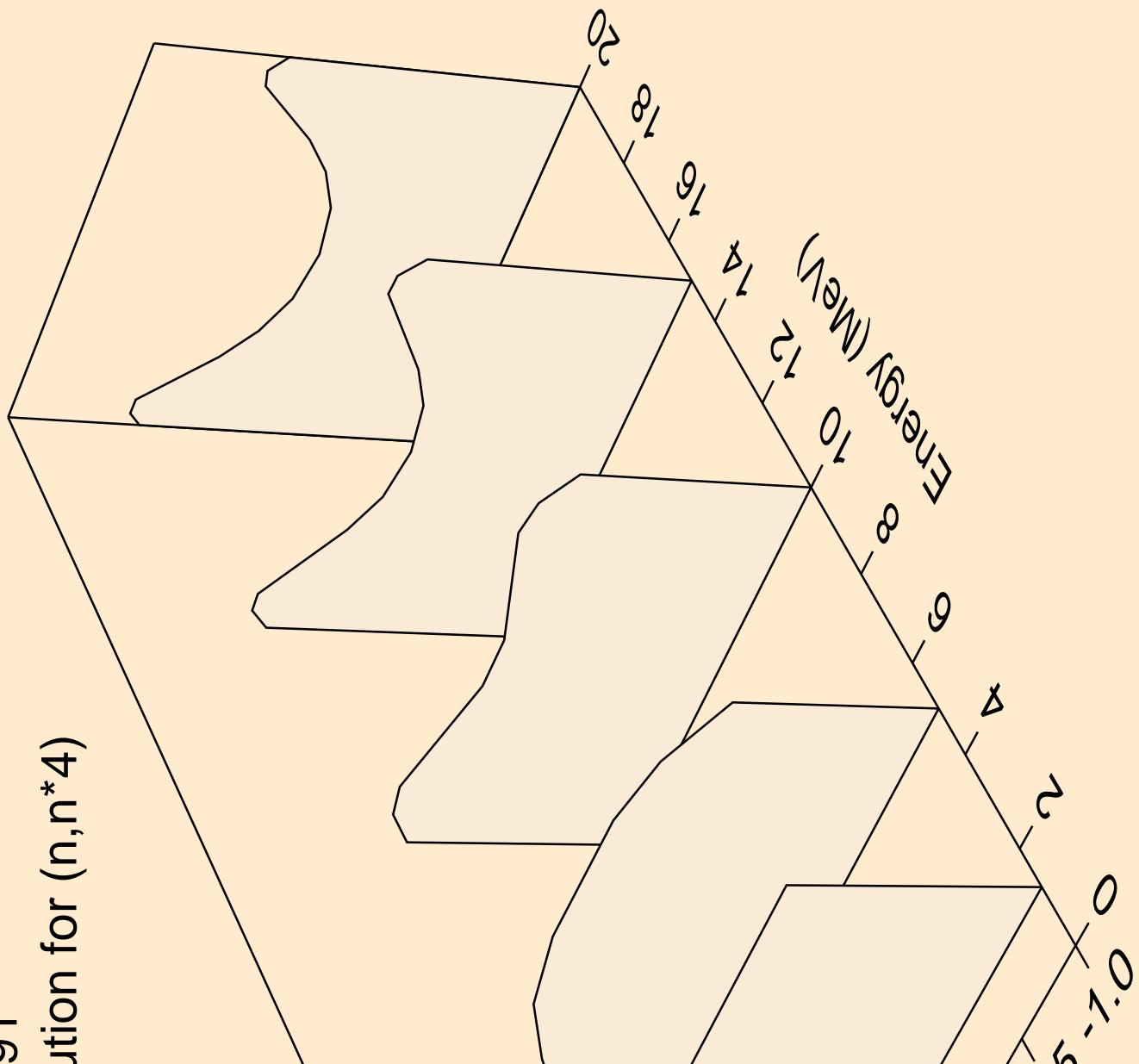
ENDF/B-VII Y-91

angular distribution for (n,n\*4)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII Y-91

angular distribution for (n,n\*5)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energ (MeV)

10

8

6

4

2

0

20

18

16

14

12

10

8

6

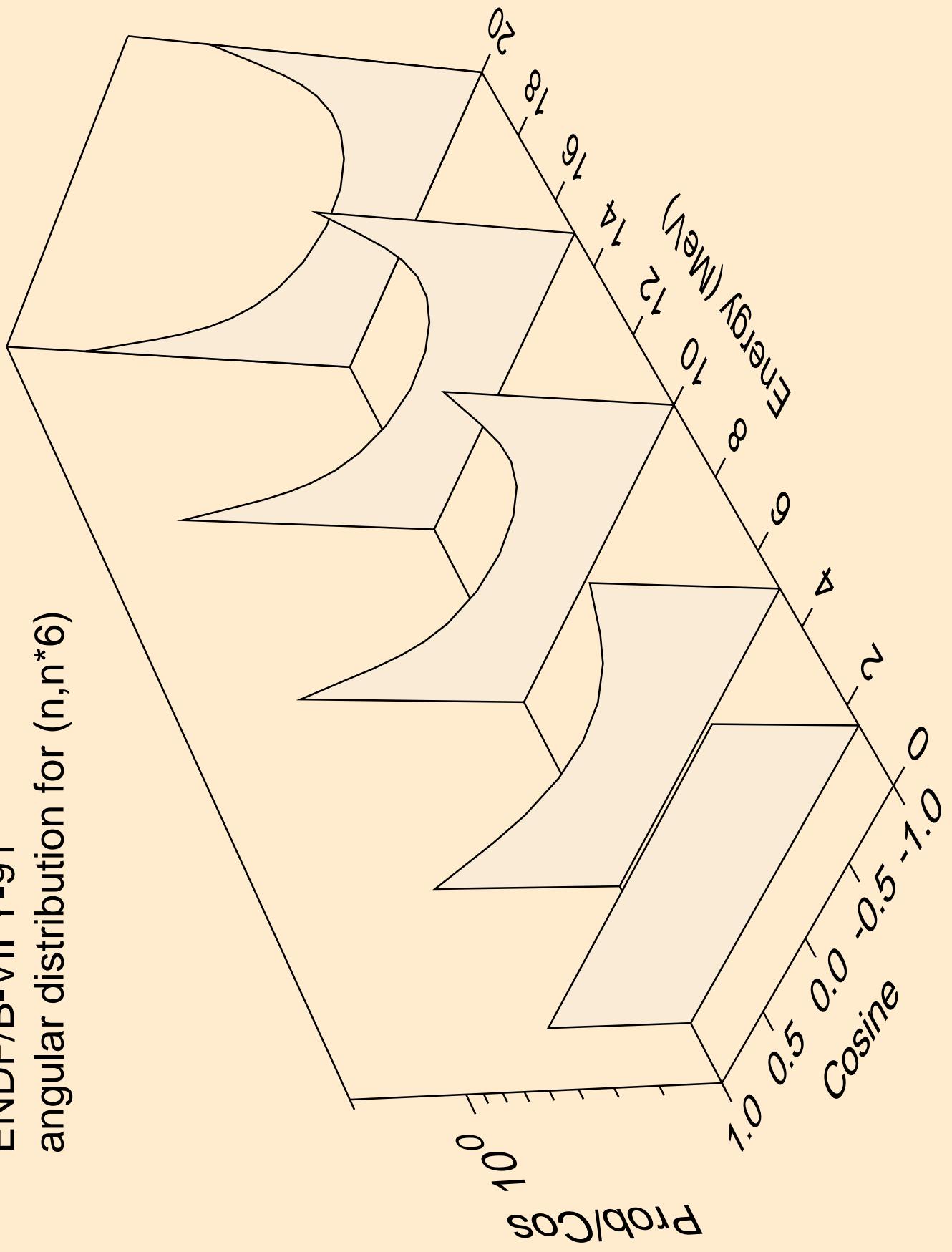
4

2

0

ENDF/B-VII Y-91

angular distribution for  $(n,n^*6)$



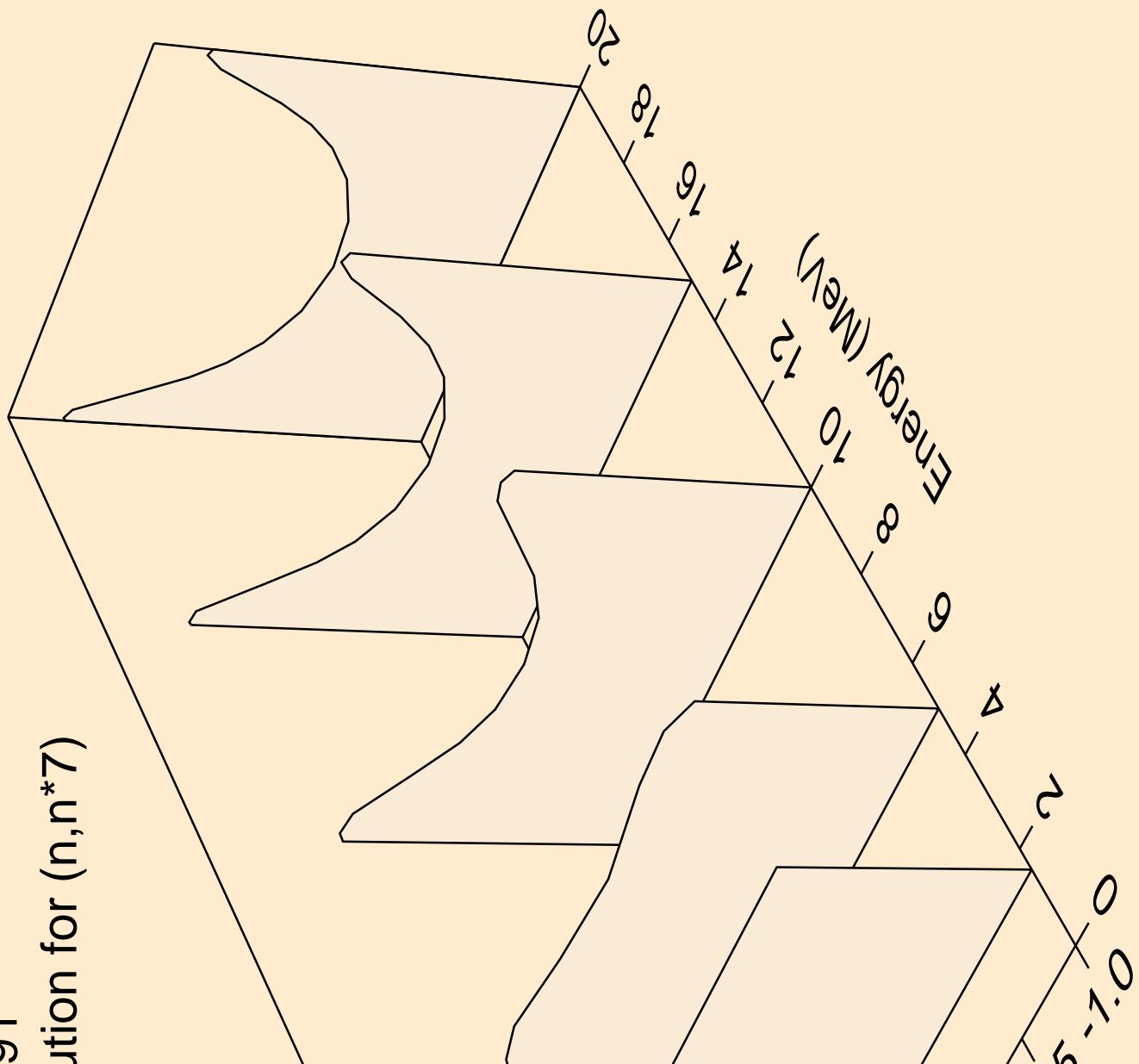
ENDF/B-VII Y-91

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII Y-91

angular distribution for (n,n\*8)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
Energ (MeV)

8  
6  
4  
2

0

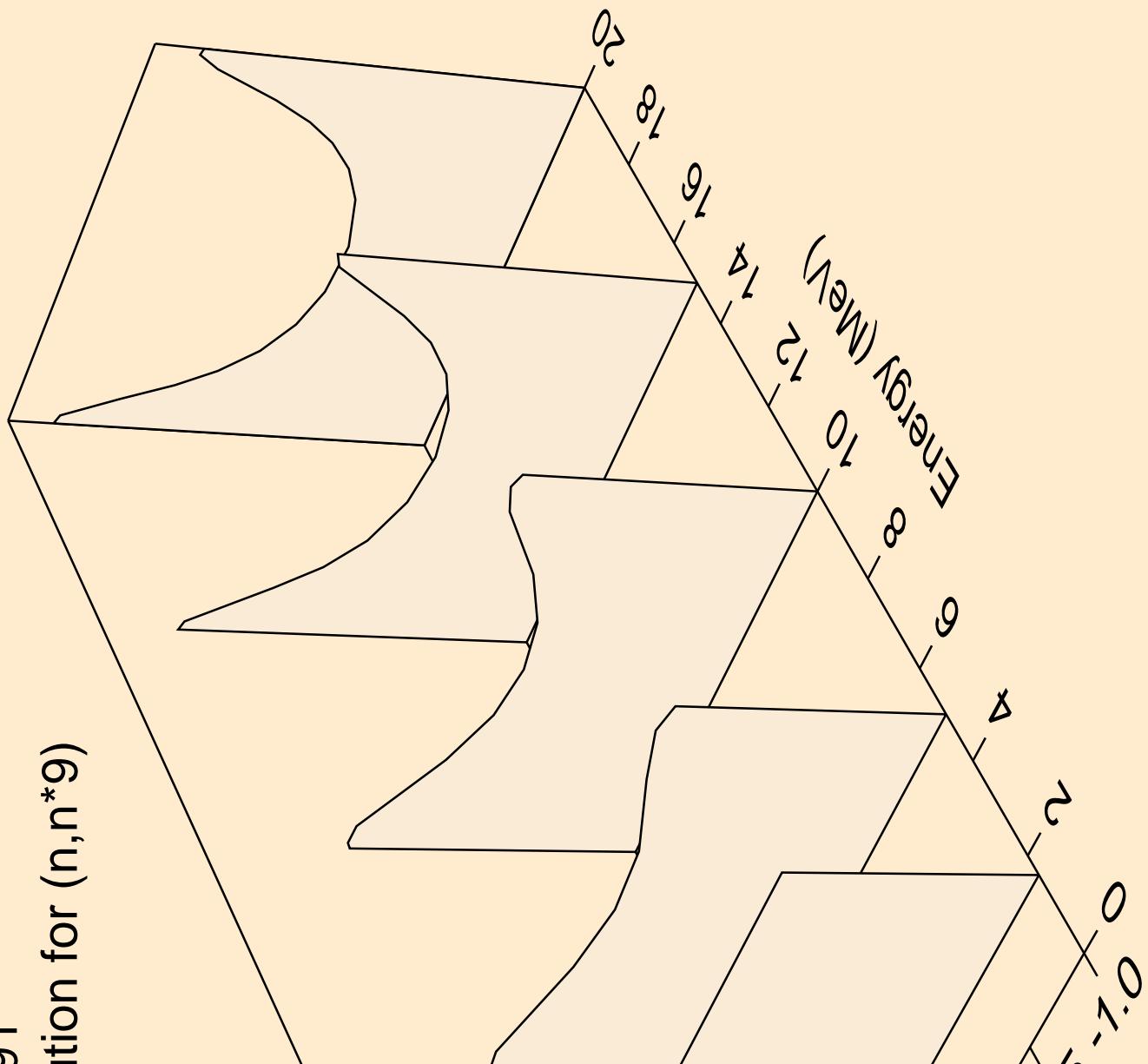
ENDF/B-VII Y-91

angular distribution for (n,n\*9)

$10^0$

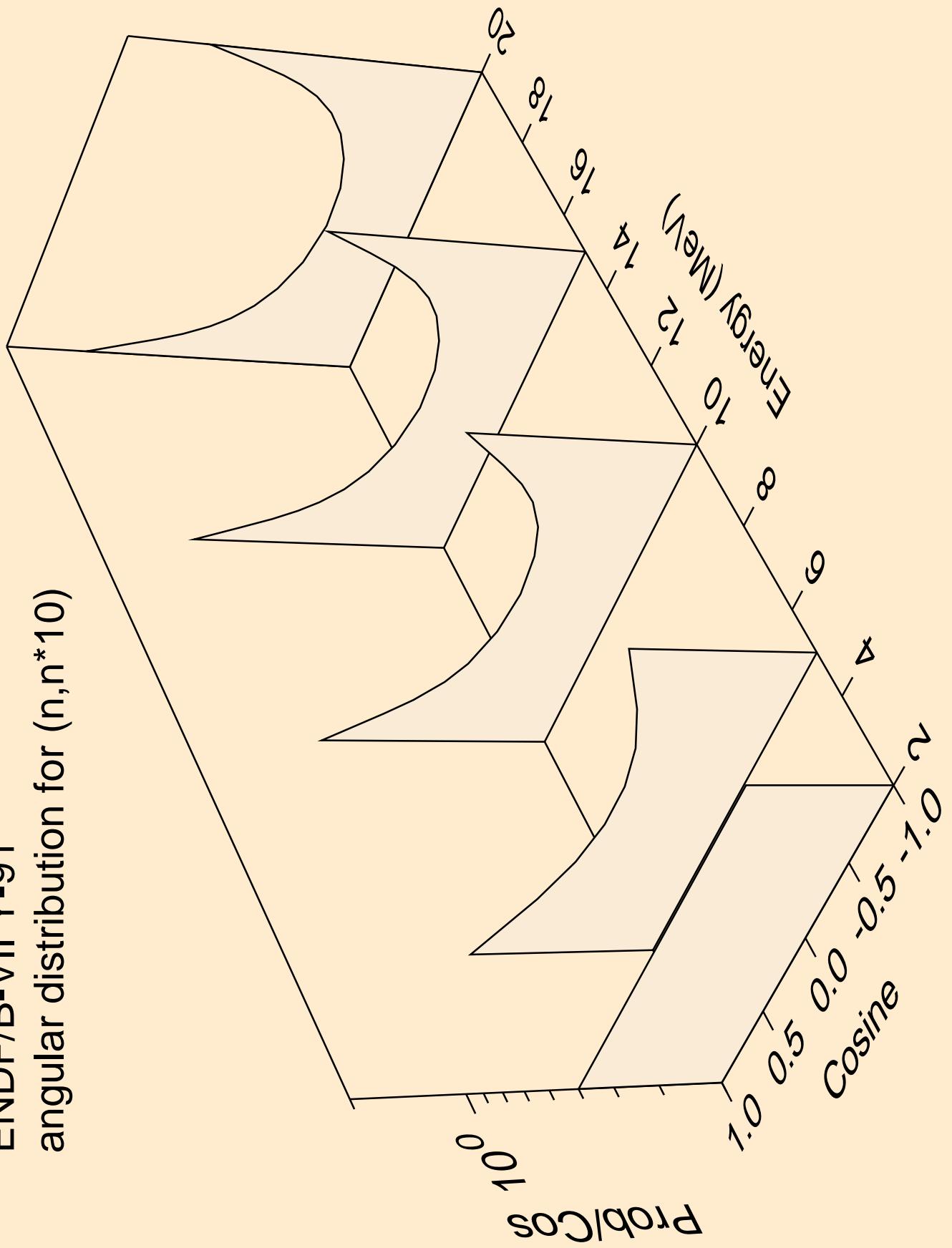
Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII Y-91

angular distribution for (n,n\*10)



ENDF/B-VII Y-91

angular distribution for (n,n\*11)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

8

6

4

2

0

-2

-4

-6

-8

-10

20

18

16

14

12

10

8

6

4

2

0

-2

-4

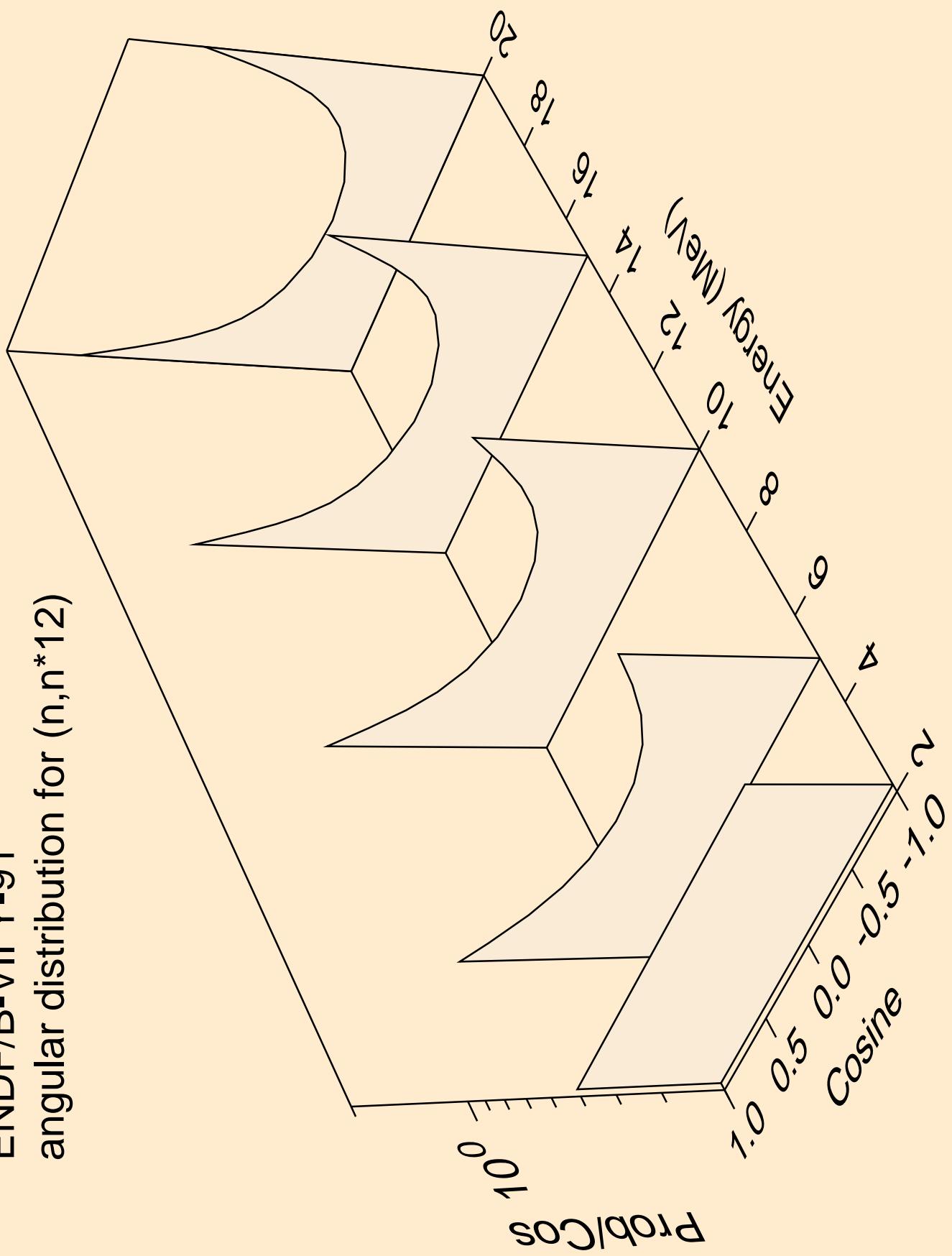
-6

-8

-10

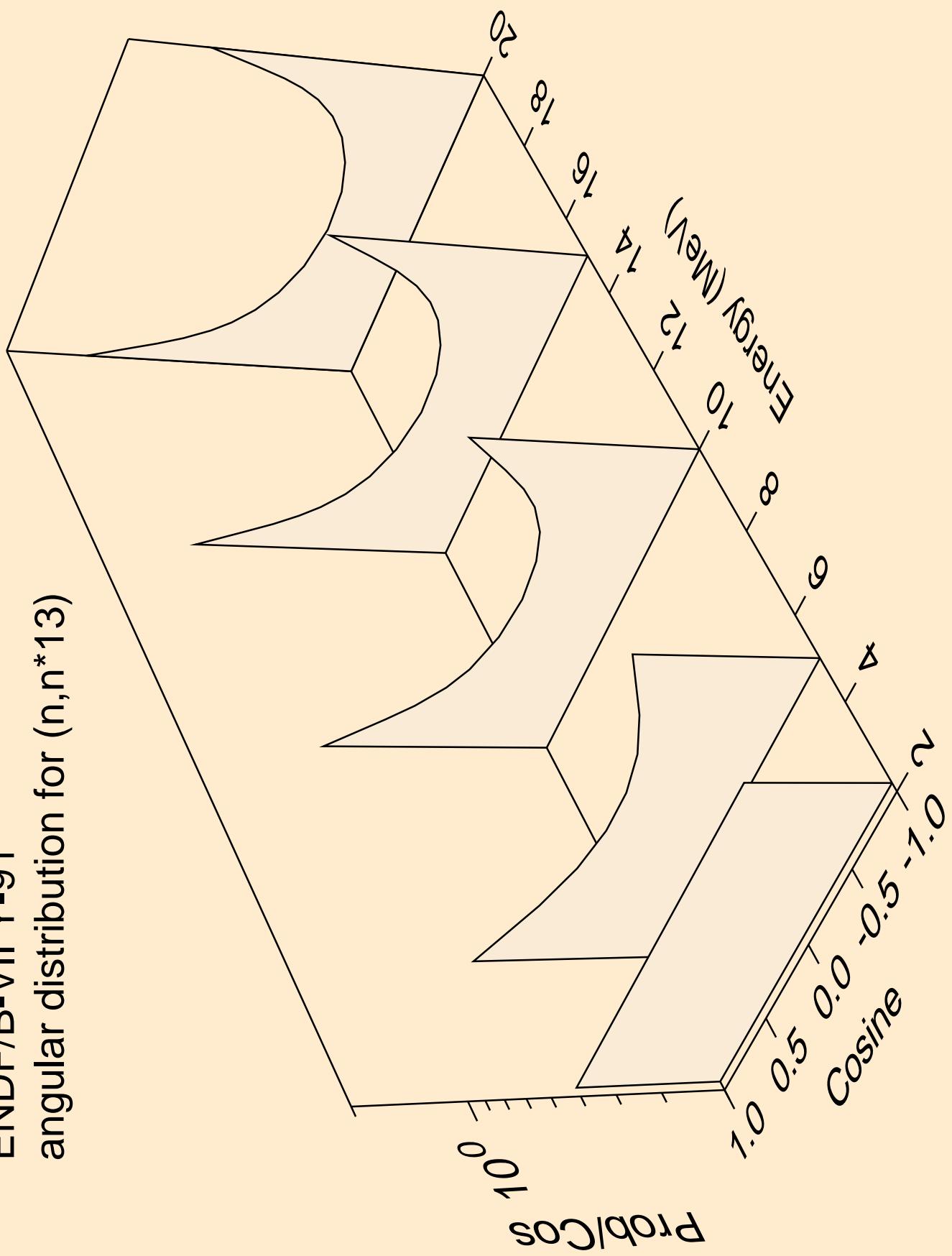
ENDF/B-VII Y-91

angular distribution for (n,n\*12)



ENDF/B-VII Y-91

angular distribution for (n,n\*13)



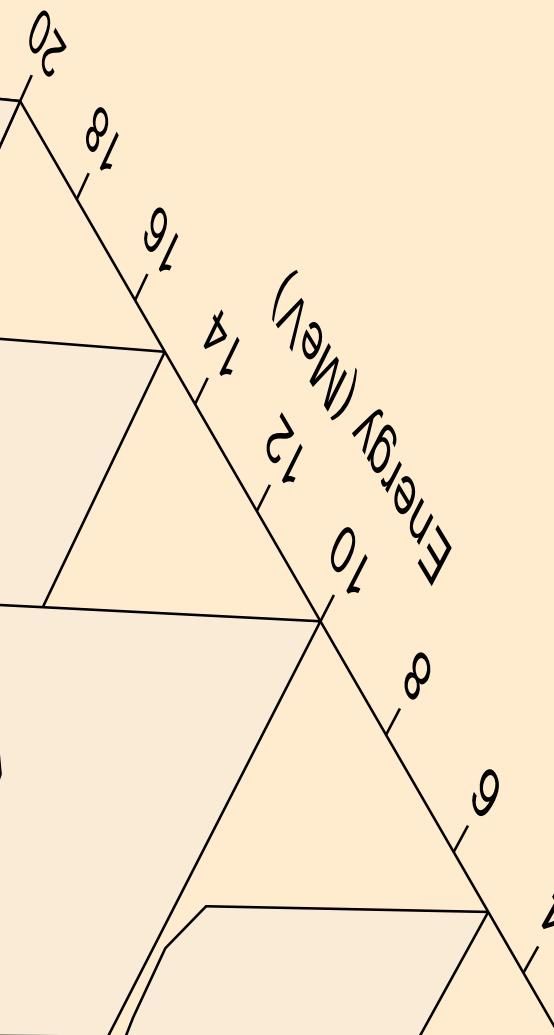
ENDF/B-VII Y-91

angular distribution for (n,n\*14)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII Y-91

angular distribution for (n,n\*15)

$10^0$

Prob/Cos

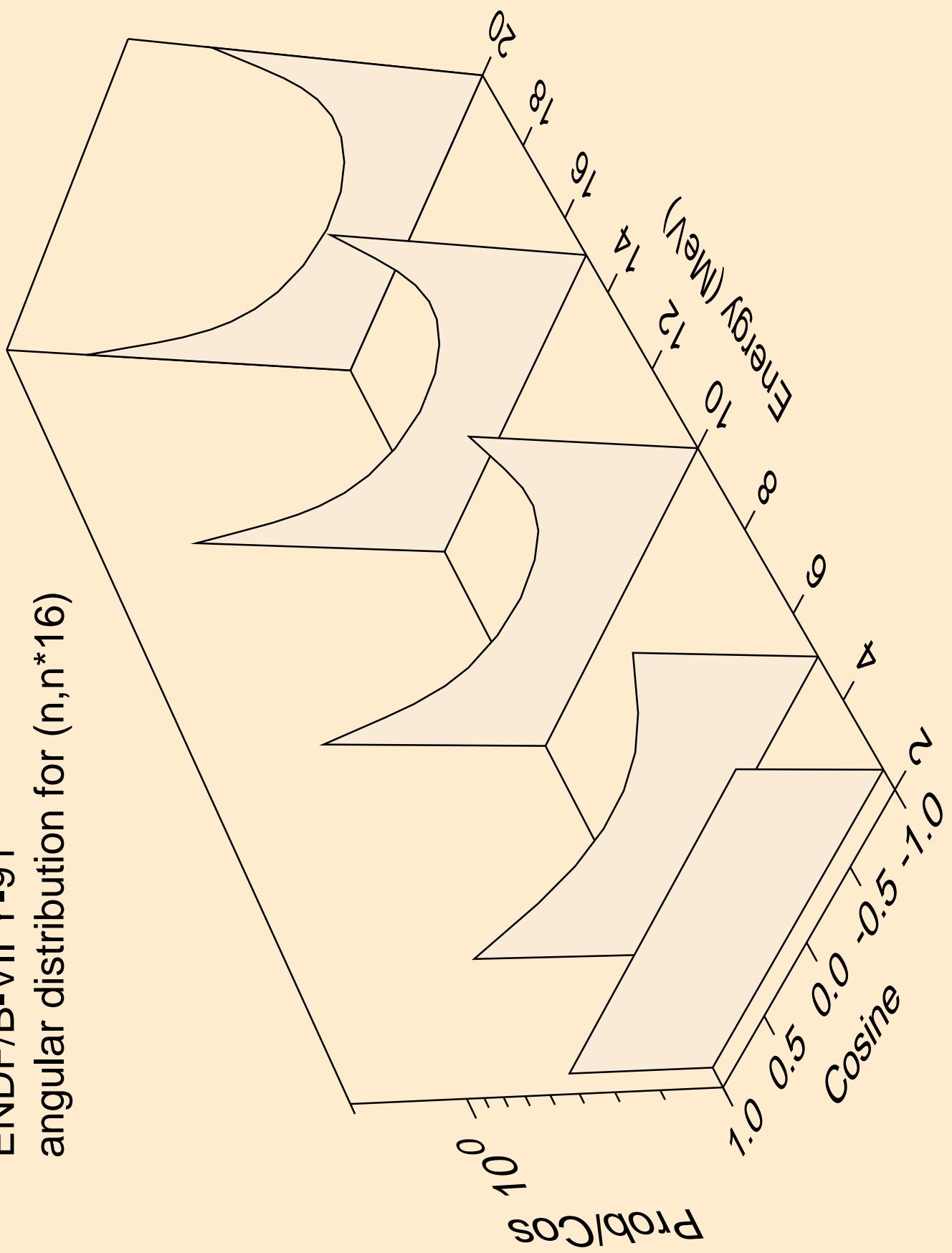
1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

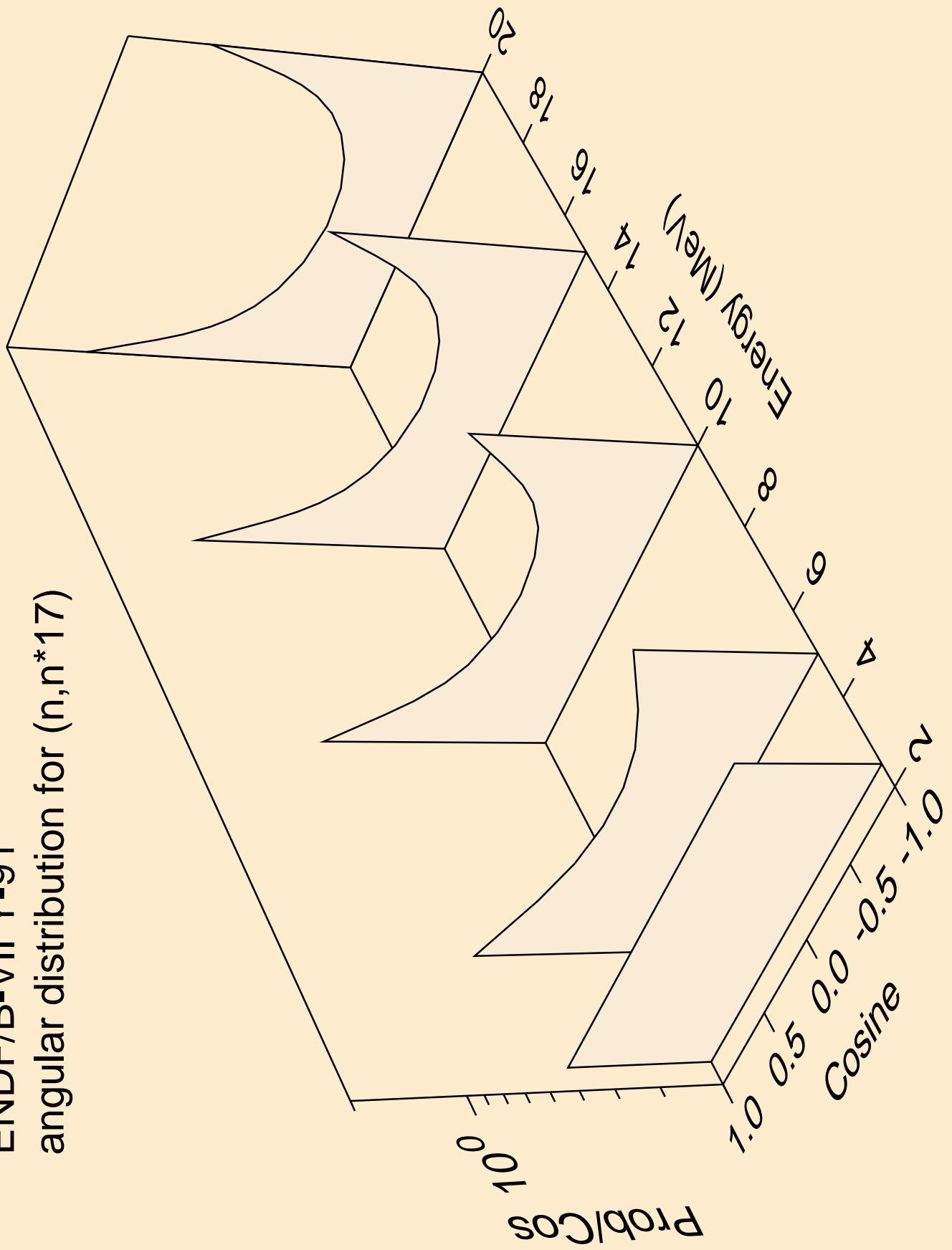
ENDF/B-VII Y-91

angular distribution for (n,n\*16)



ENDF/B-VII Y-91

angular distribution for (n,n\*17)



ENDF/B-VII Y-91

angular distribution for (n,n\*18)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

10

8

6

4

2

0

20

18

16

14

12

10

8

6

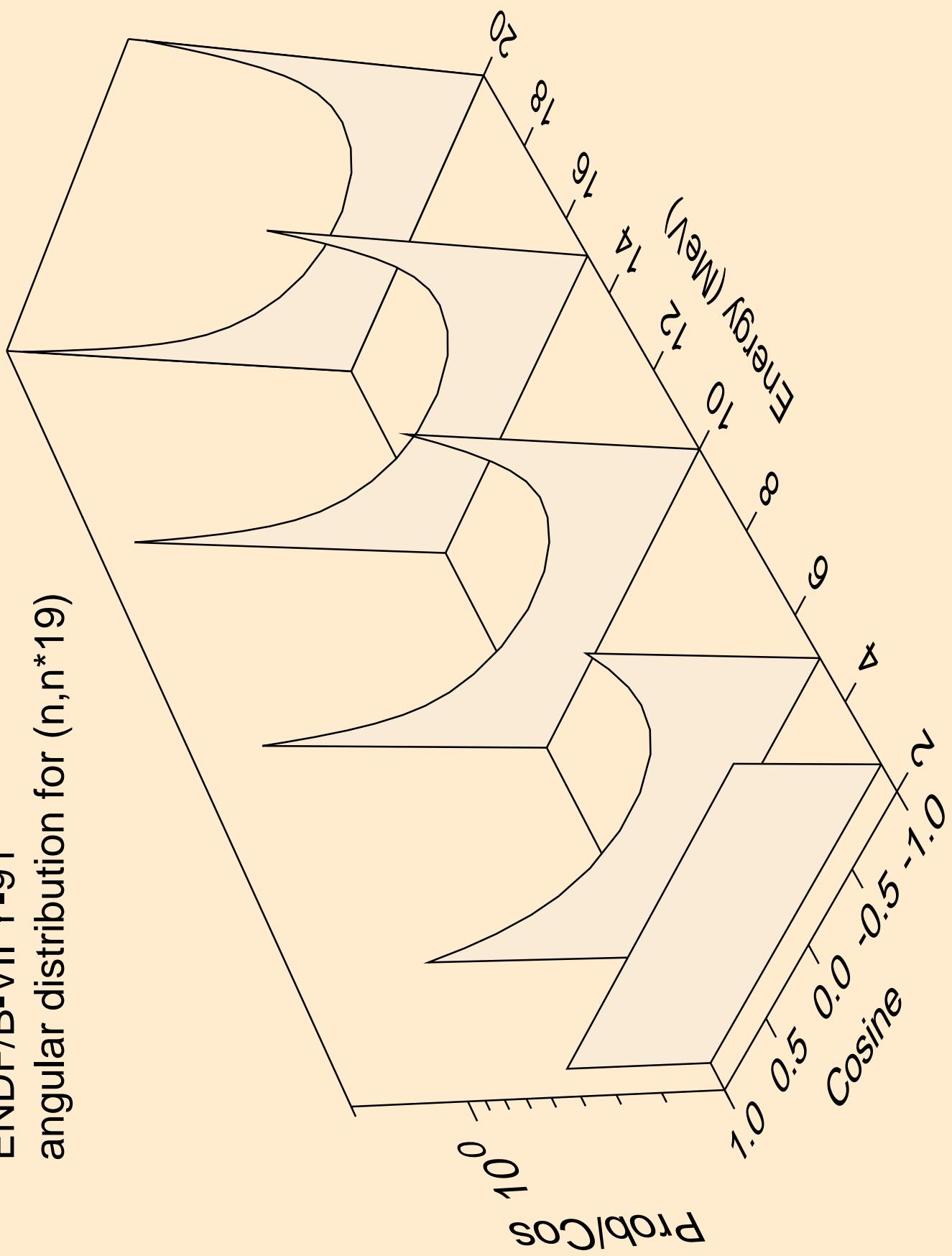
4

2

0

ENDF/B-VII Y-91

angular distribution for (n,n\*19)



ENDF/B-VII Y-91

angular distribution for  $(n,n^*20)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)  
10 8 6 4 2

20

18

16

14

12

10

8

6

4

2

ENDF/B-VII Y-91

angular distribution for ( $n,n^*21$ )

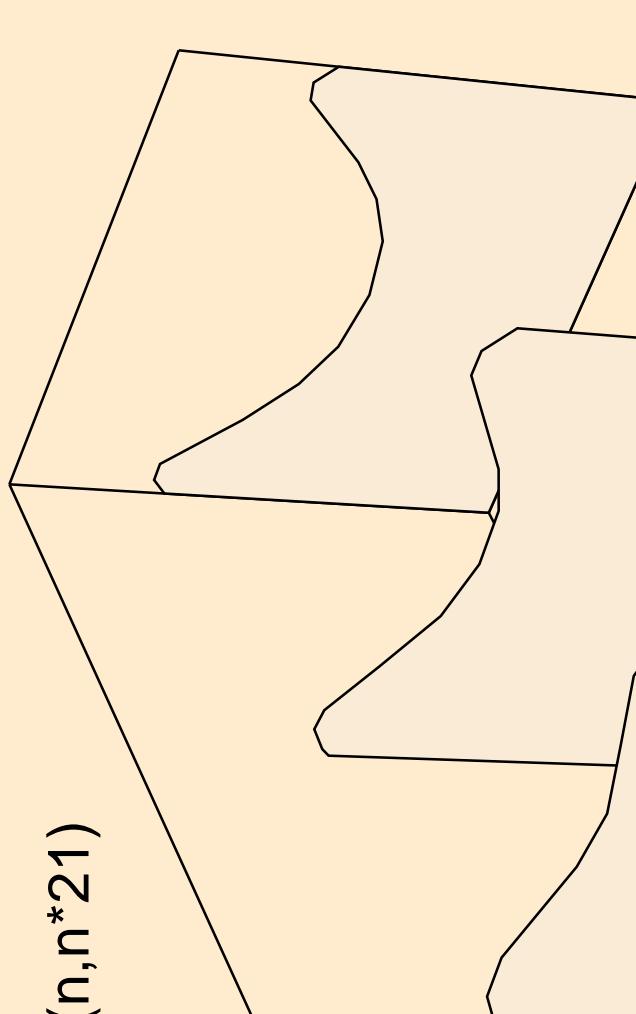
$10^0$

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 Y-91

angular distribution for ( $n,n^*22$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

10

8

6

4

20

18

16

14

12

10

8

6

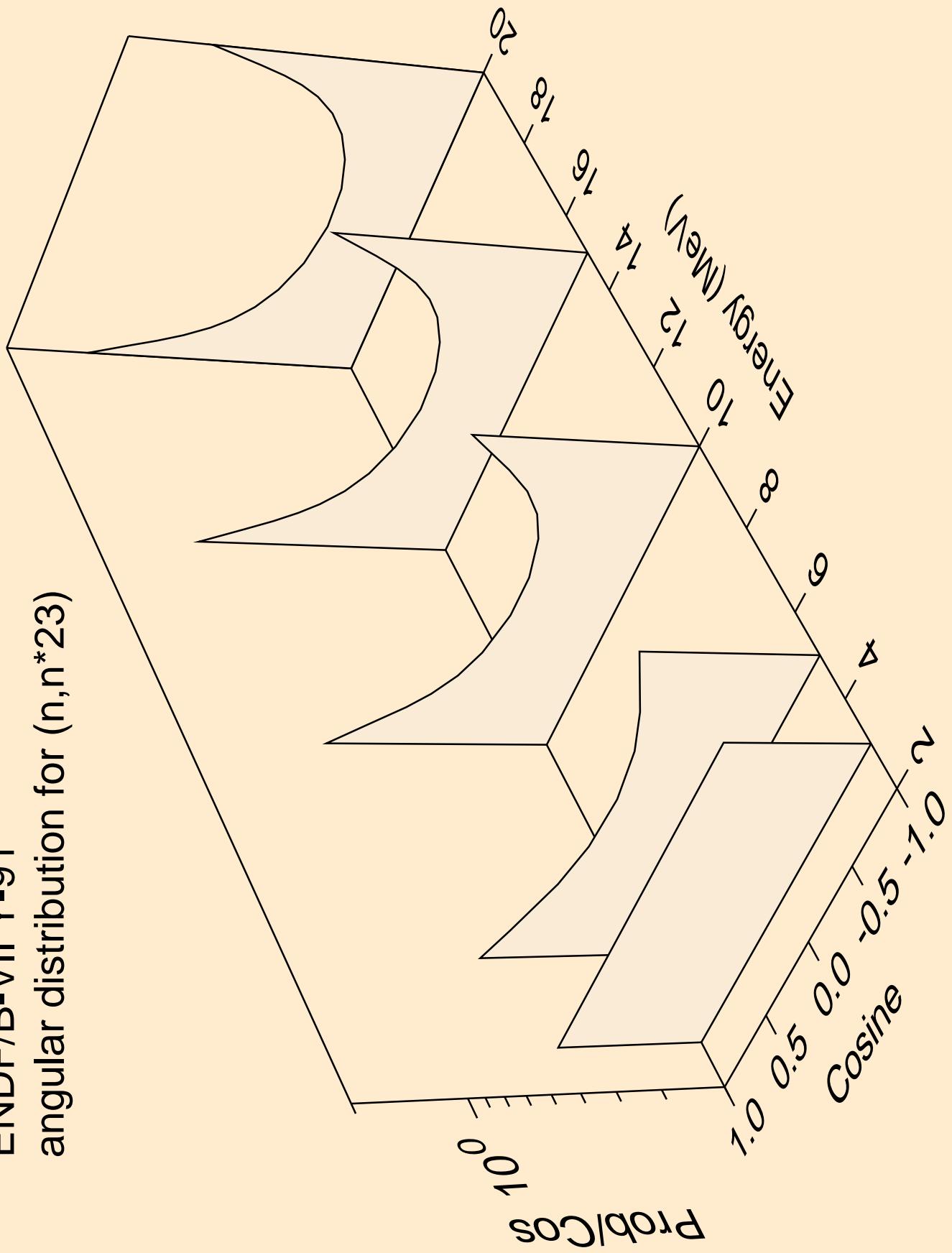
4

2

0

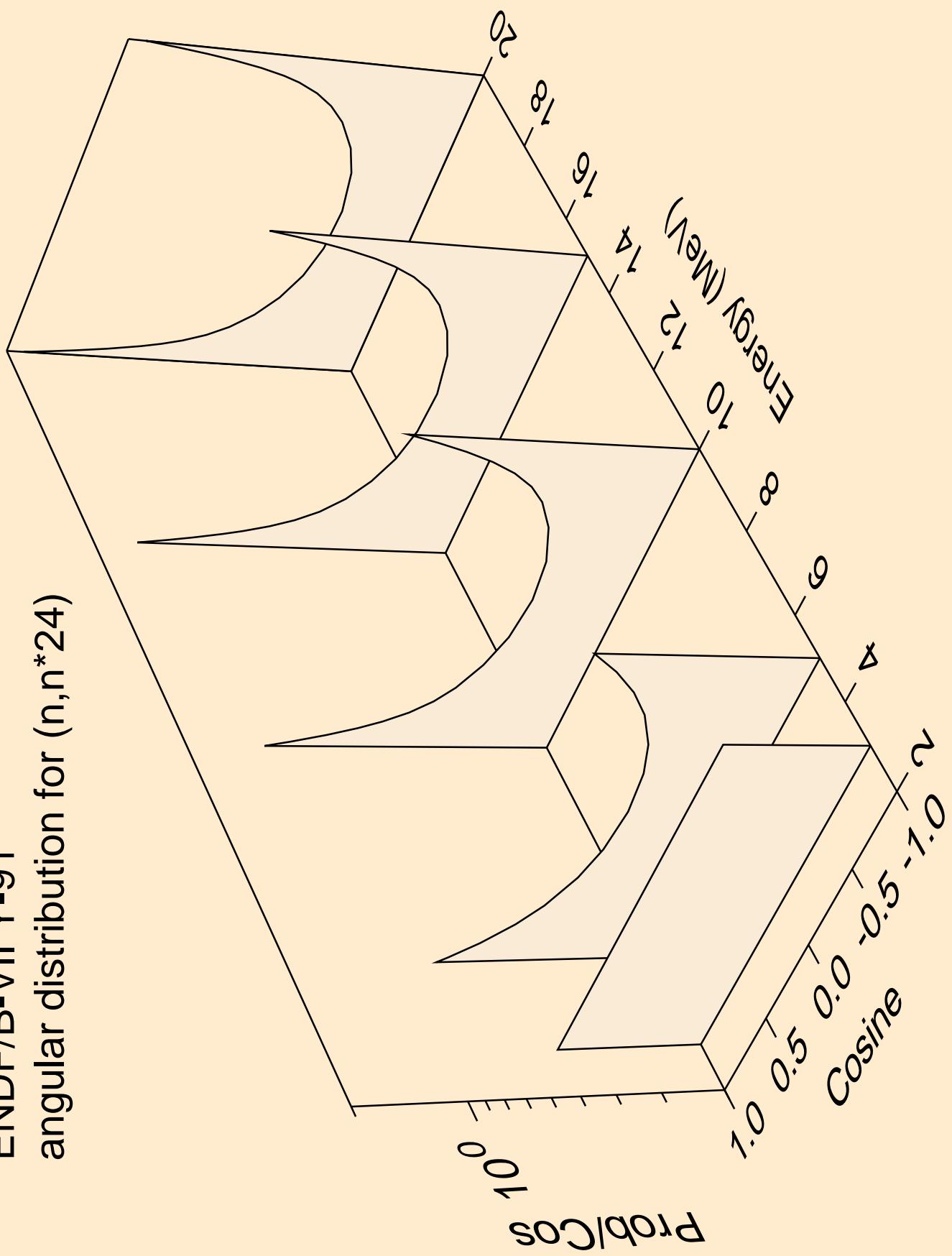
ENDF/B-VII Y-91

angular distribution for (n,n\*23)



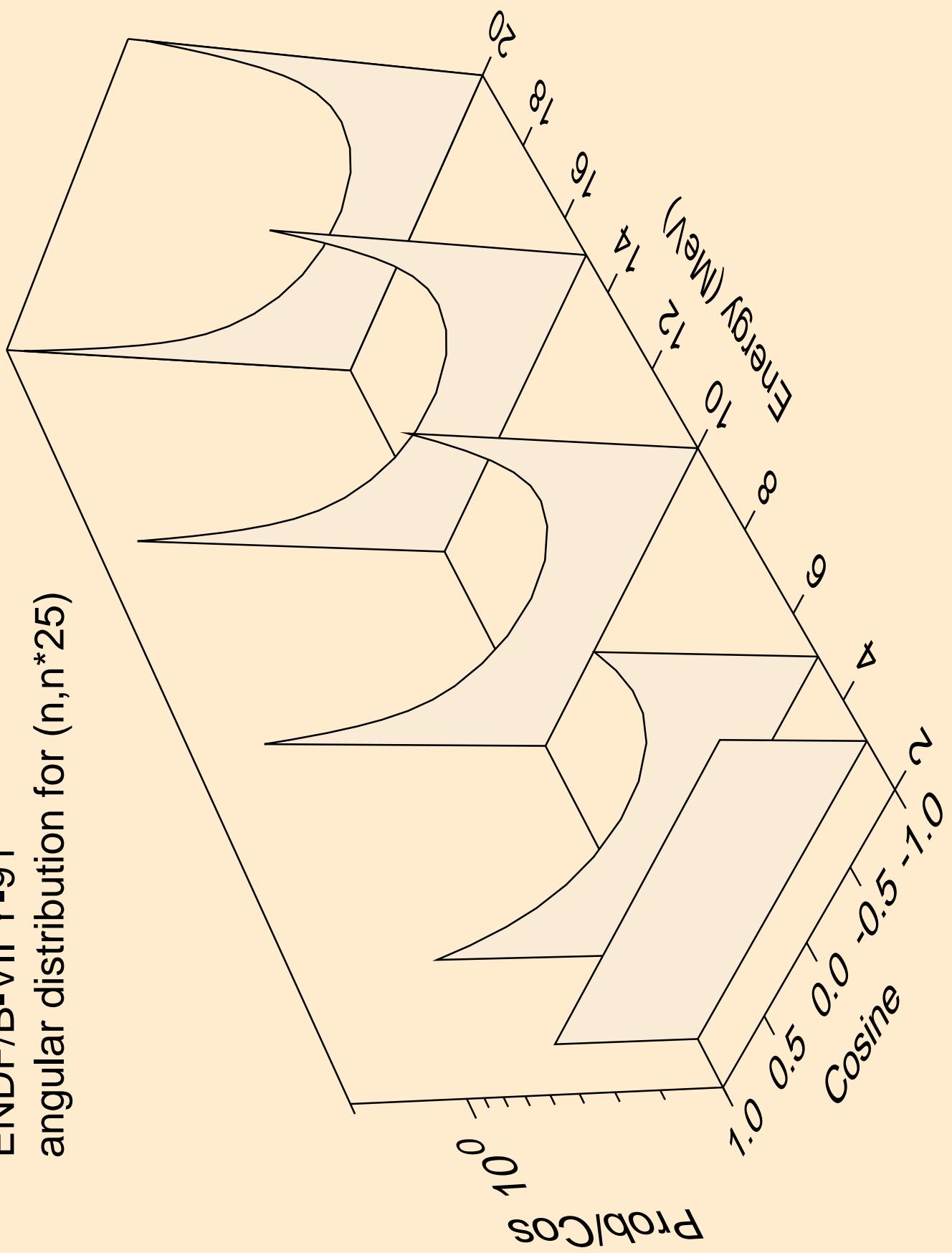
ENDF/B-VII Y-91

angular distribution for (n,n\*24)



ENDF/B-VII Y-91

angular distribution for ( $n,n^*25$ )



ENDF/B-VII Y-91

angular distribution for  $(n,n^*26)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

8

6

4

2

0

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII Y-91

angular distribution for ( $n,n^*27$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20

18

16

14

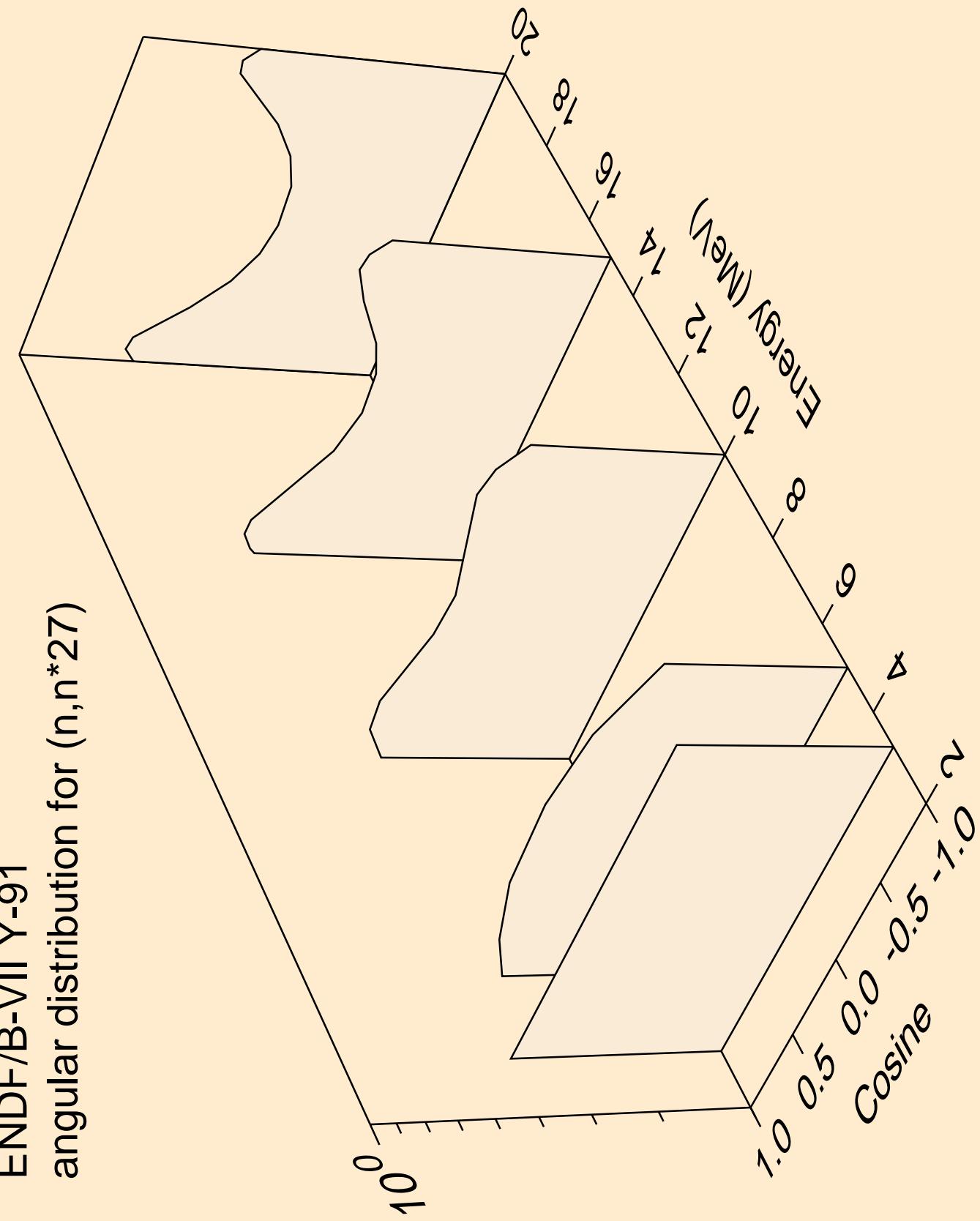
12

10

8

6

4



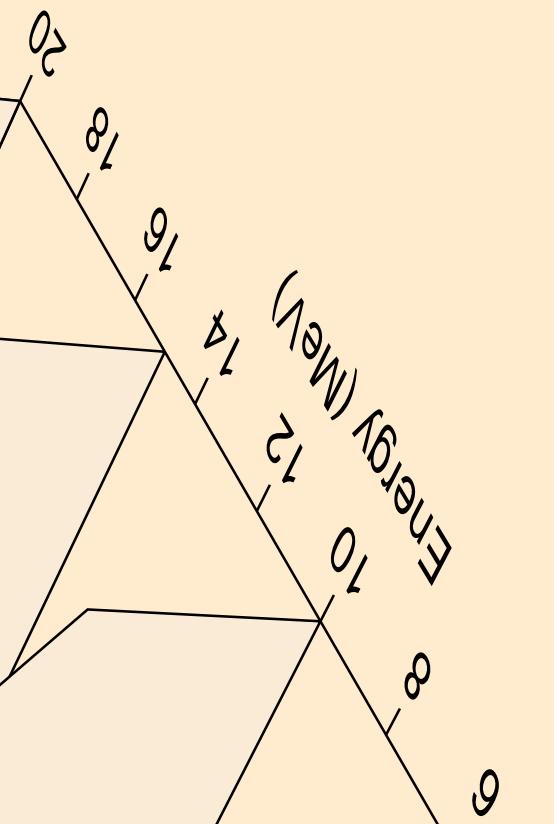
ENDF/B-VII Y-91

angular distribution for (n,n\*28)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



Energy (MeV)  
10 8 6 4 2 0

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

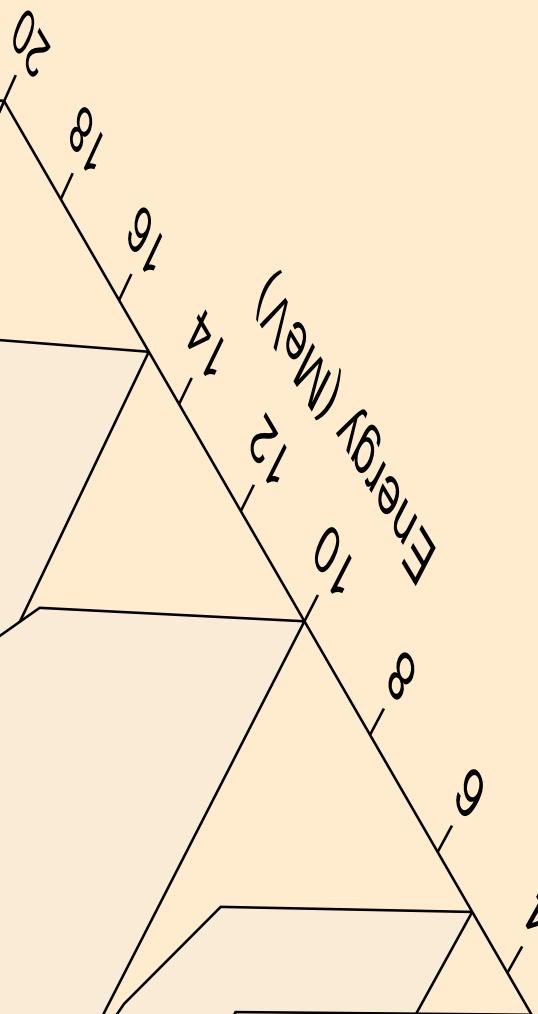
ENDF/B-VII Y-91

angular distribution for ( $n,n^*29$ )

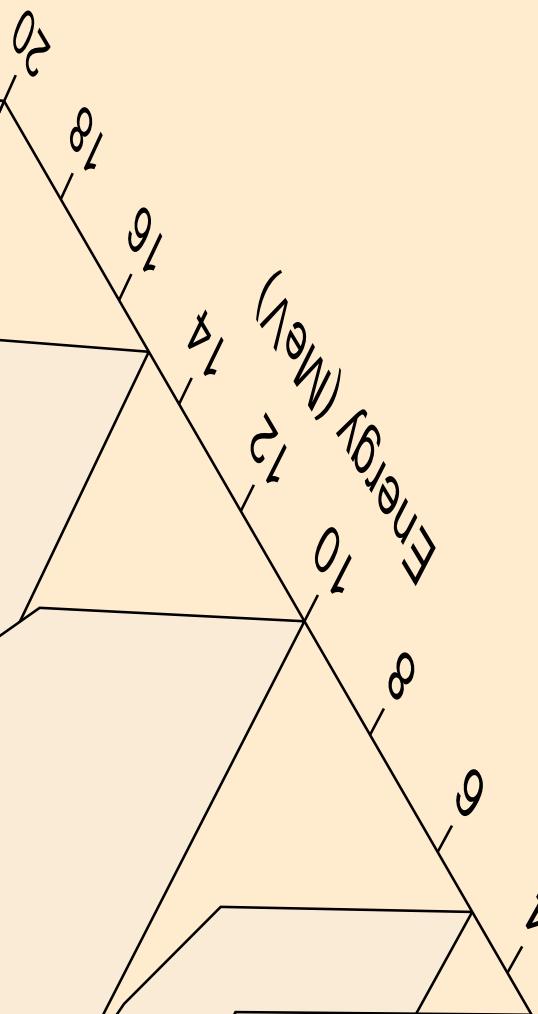
$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

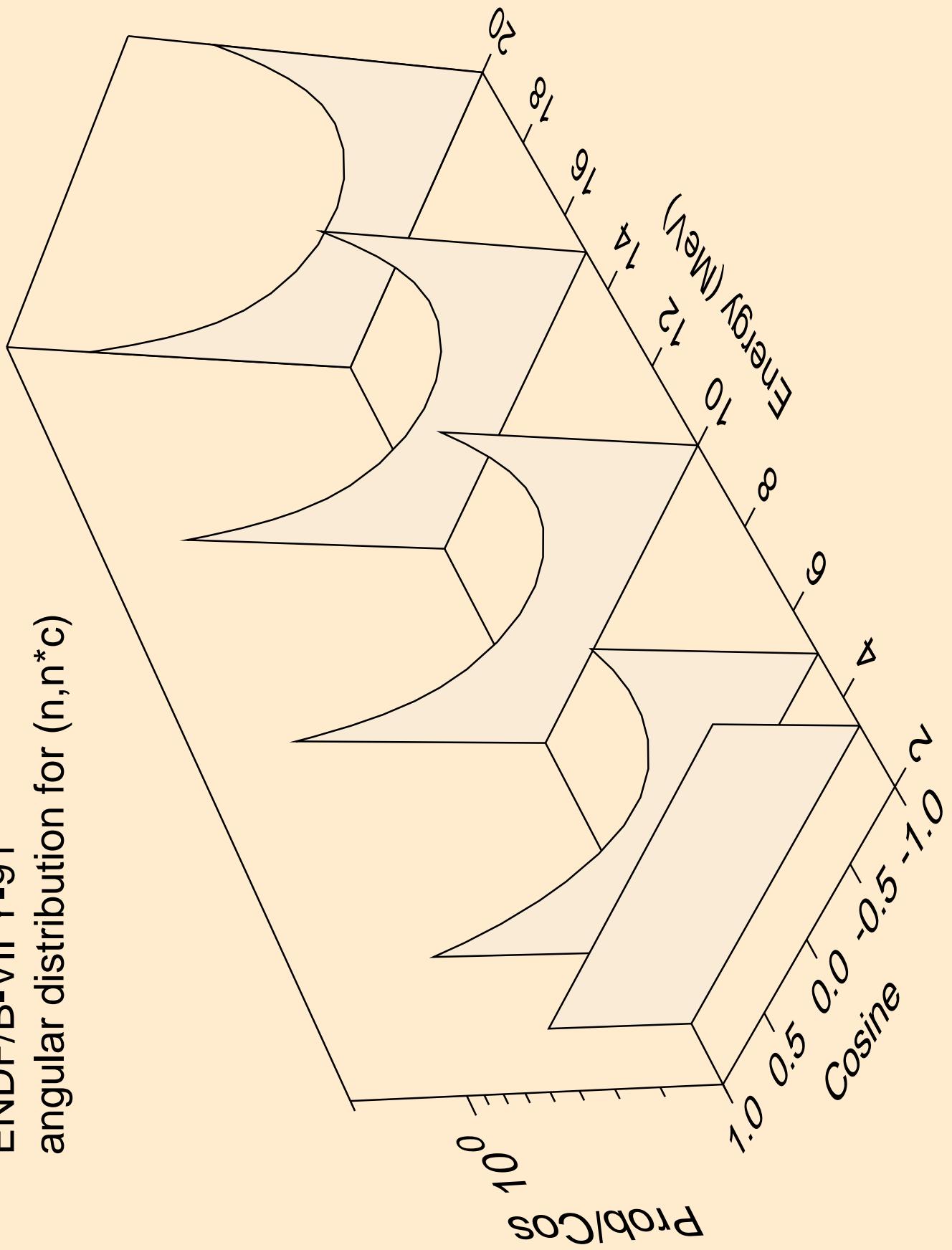


Energy (MeV)



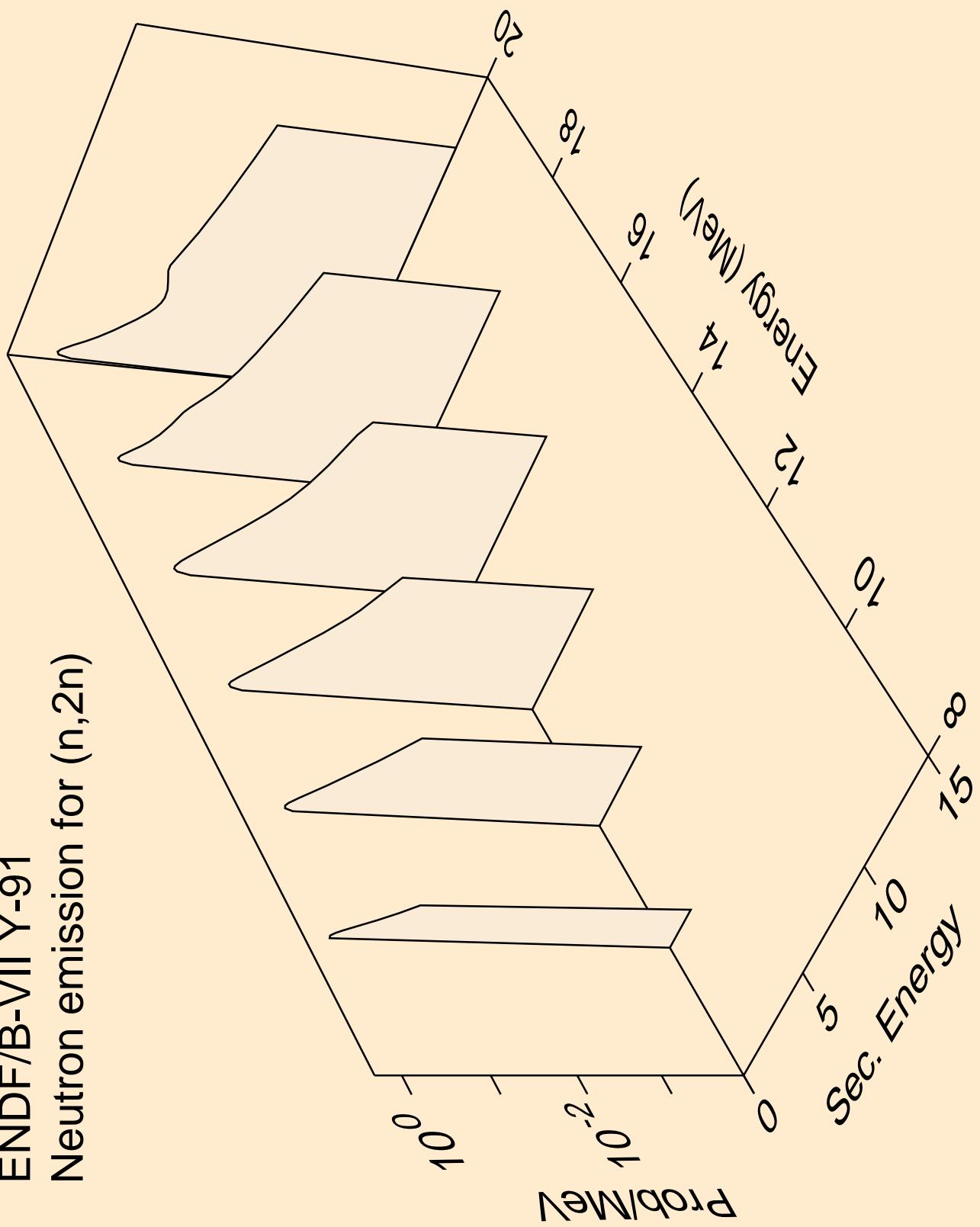
ENDF/B-VII Y-91

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



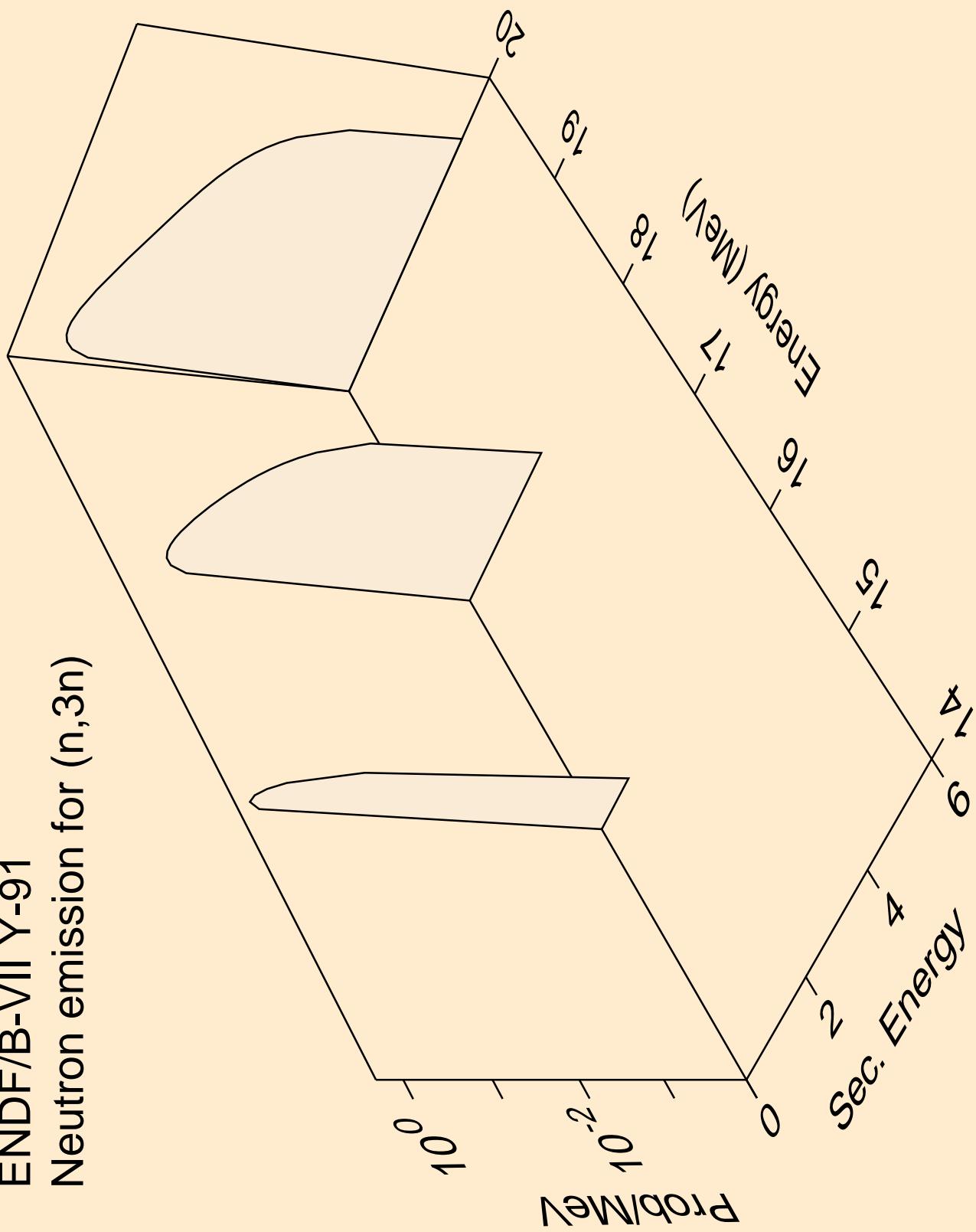
ENDF/B-VII Y-91

## Neutron emission for $(n,2n)$



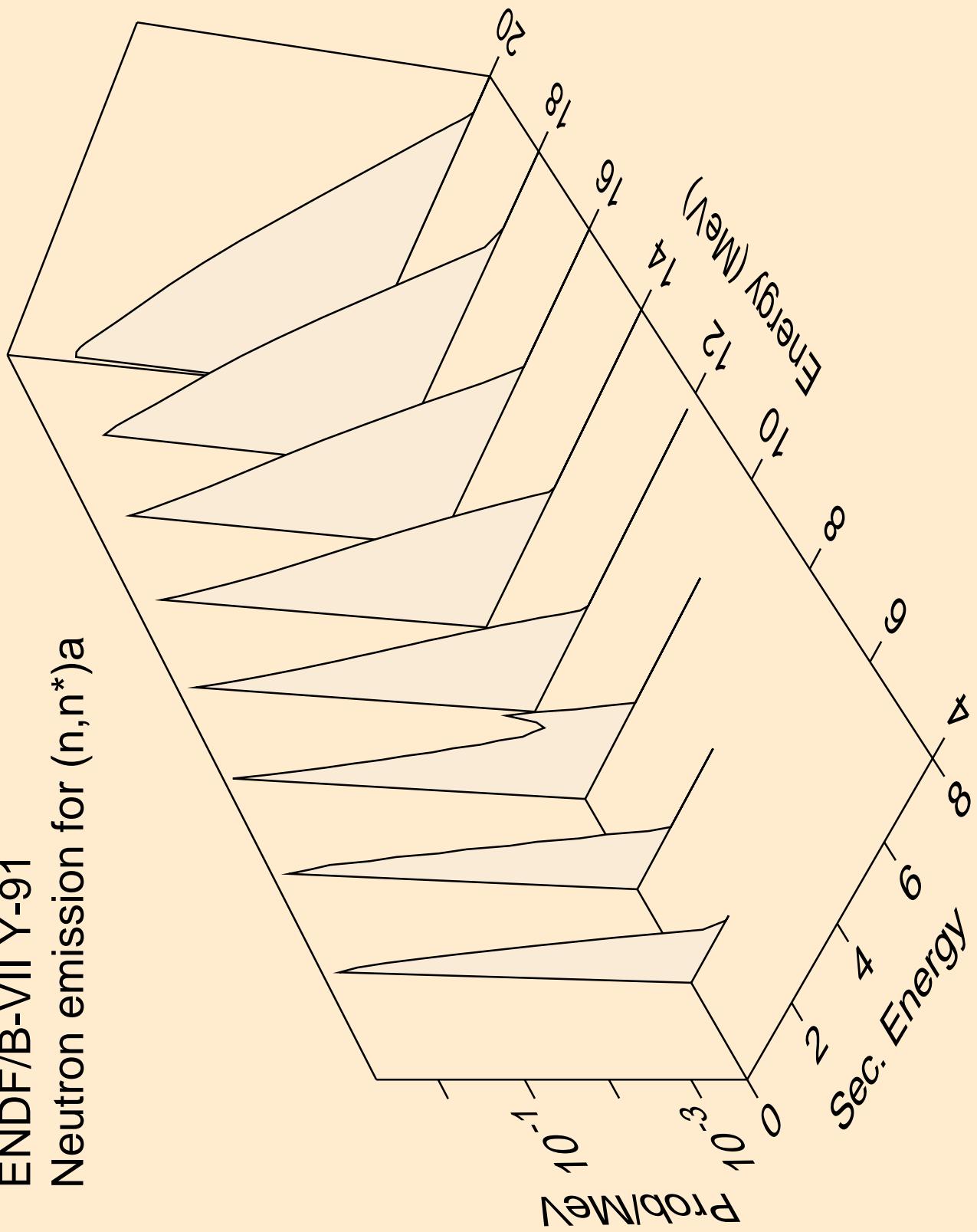
ENDF/B-VII Y-91

Neutron emission for  $(n,3n)$



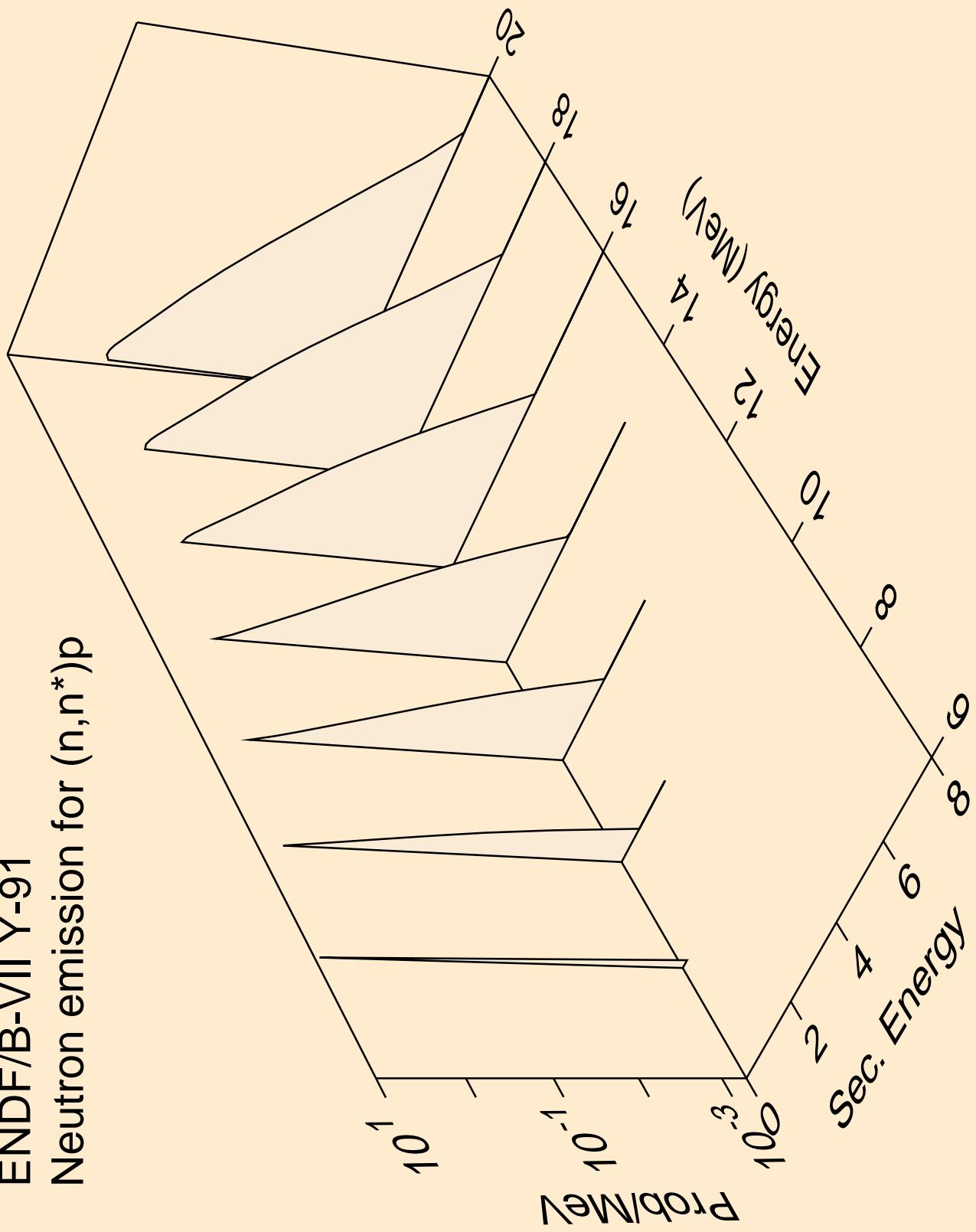
ENDF/B-VII Y-91

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



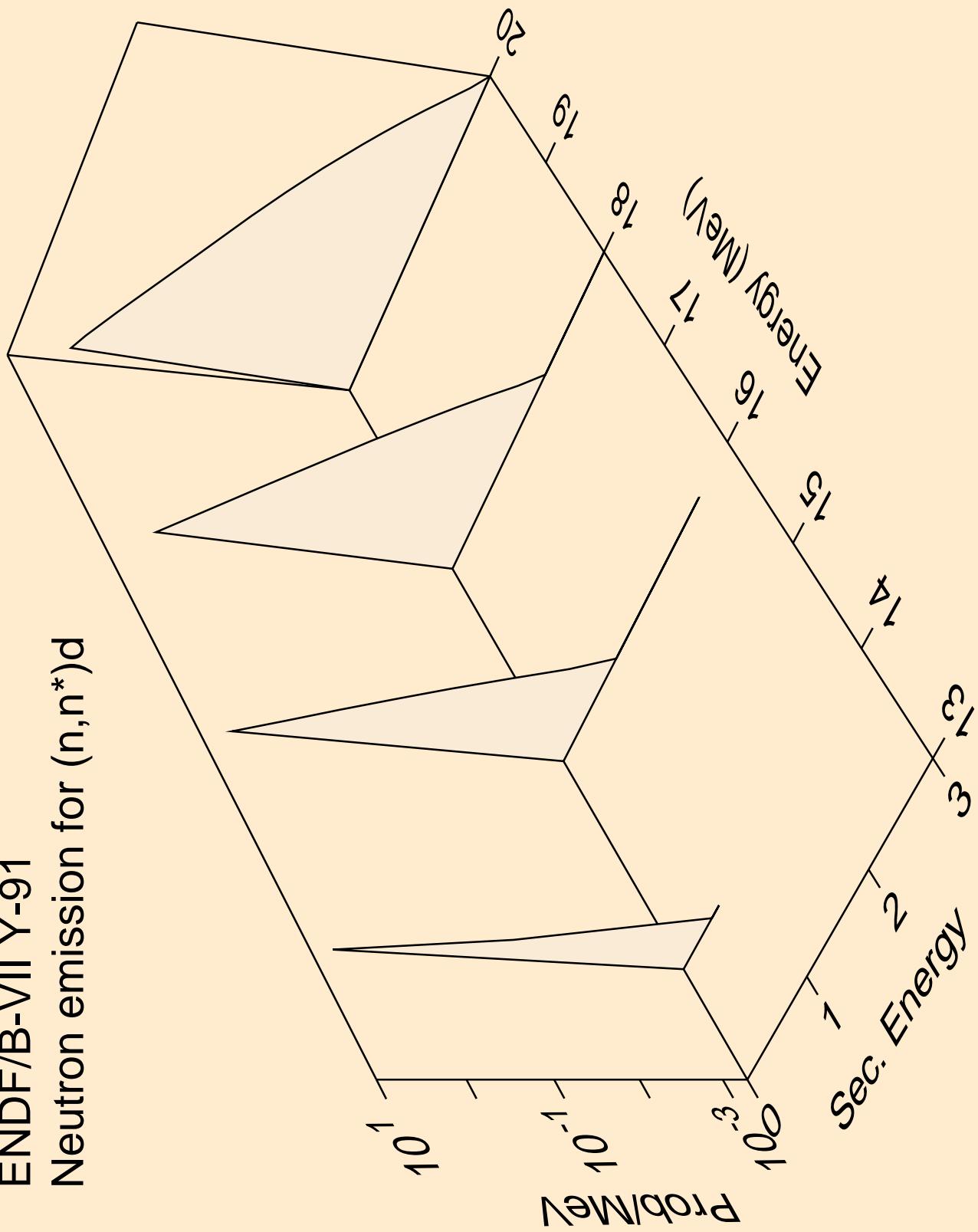
ENDF/B-VII Y-91

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



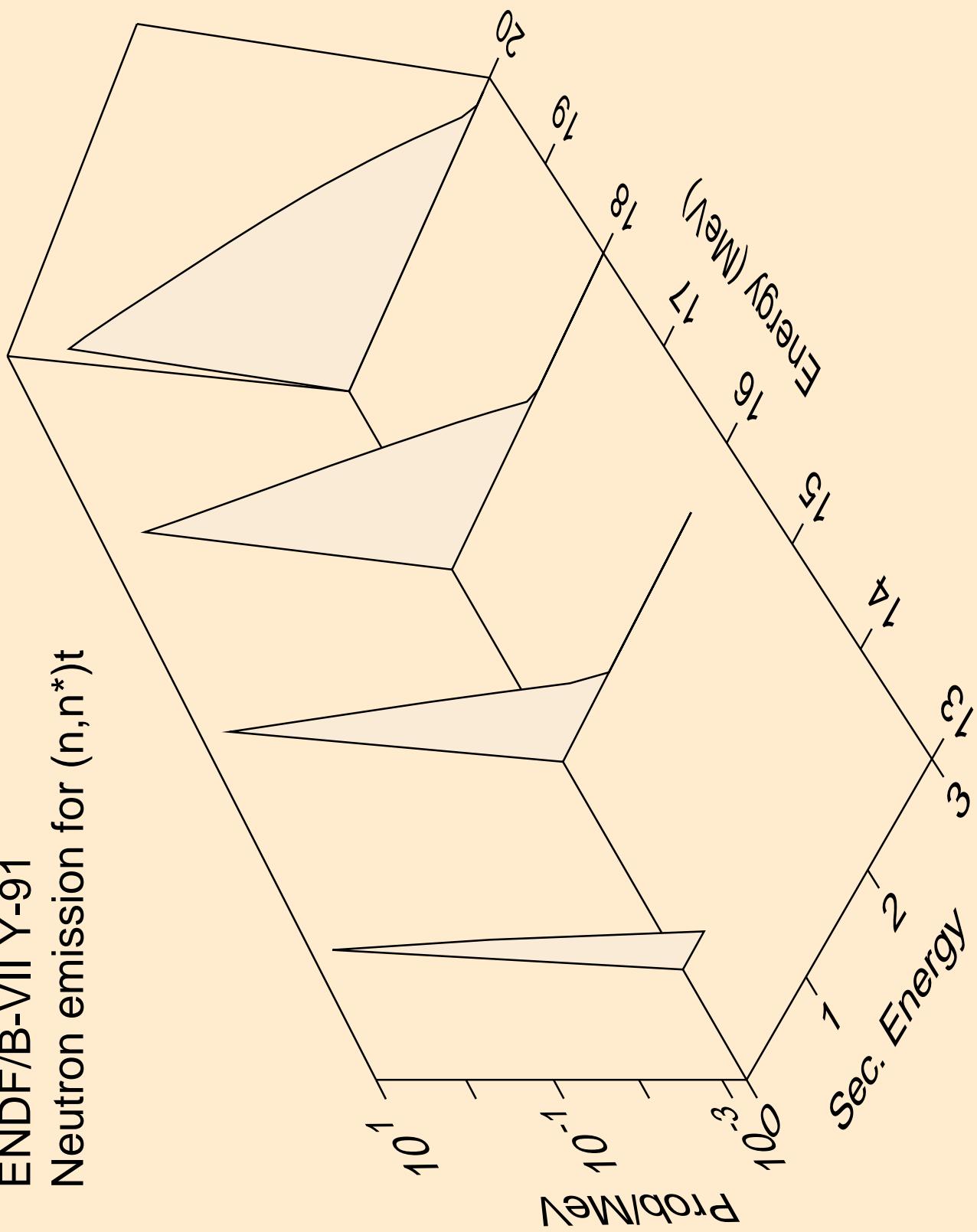
ENDF/B-VII Y-91

## Neutron emission for $(n, n^*)d$



ENDF/B-VII Y-91

## Neutron emission for $(n, n^*)t$



ENDF/B-VII Y-91

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

