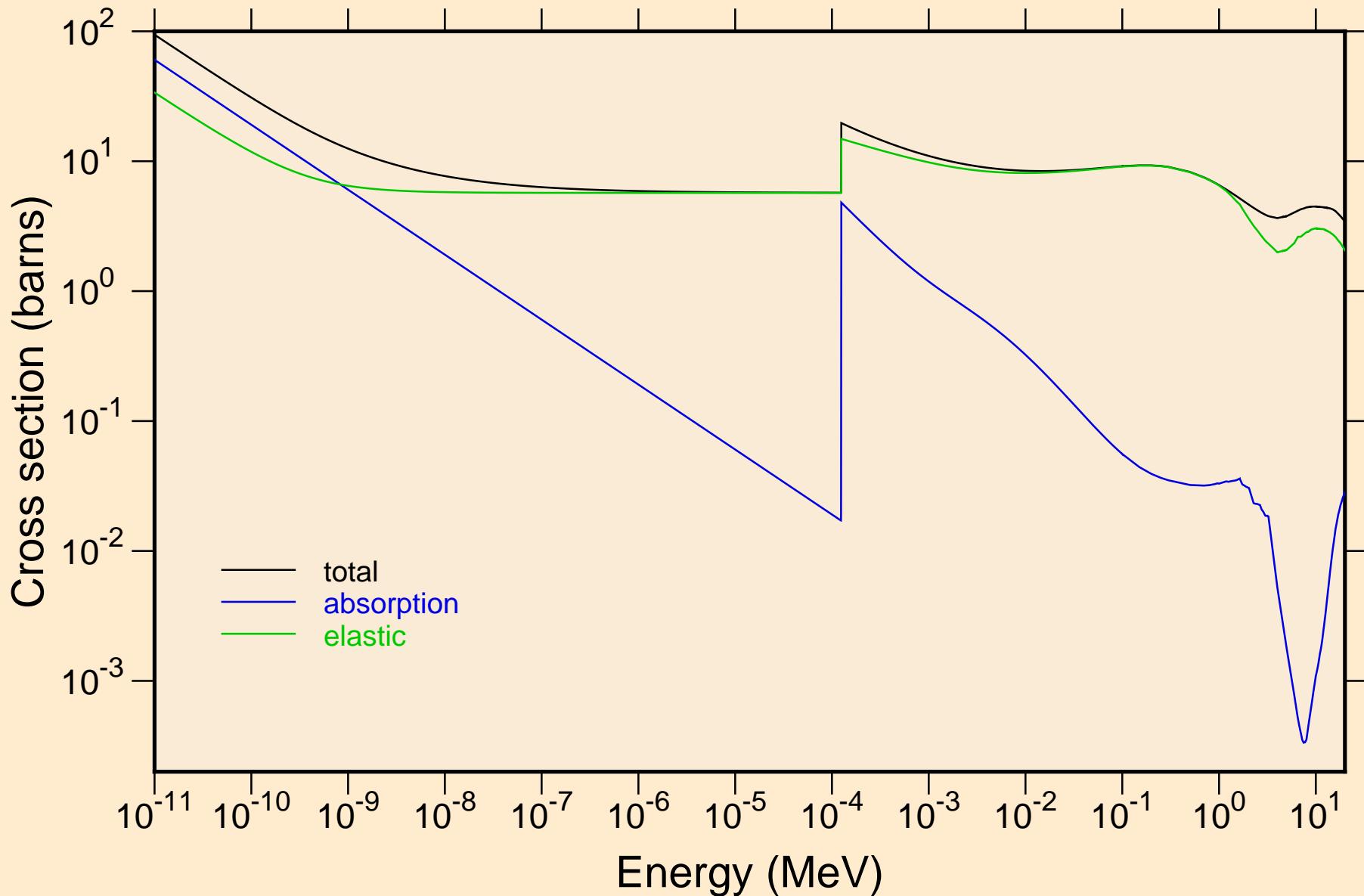
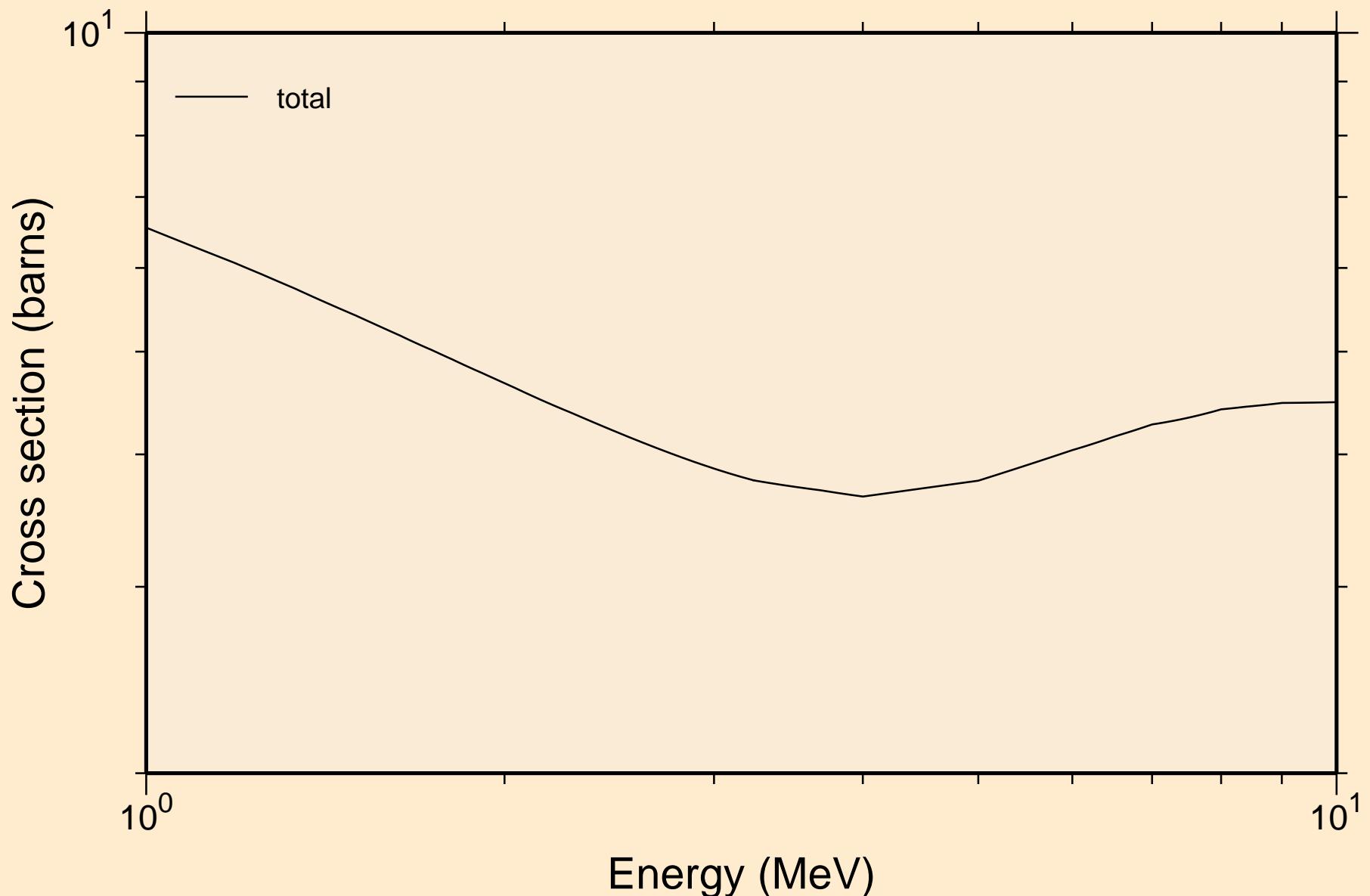


# ENDF/B-VII ZR-95

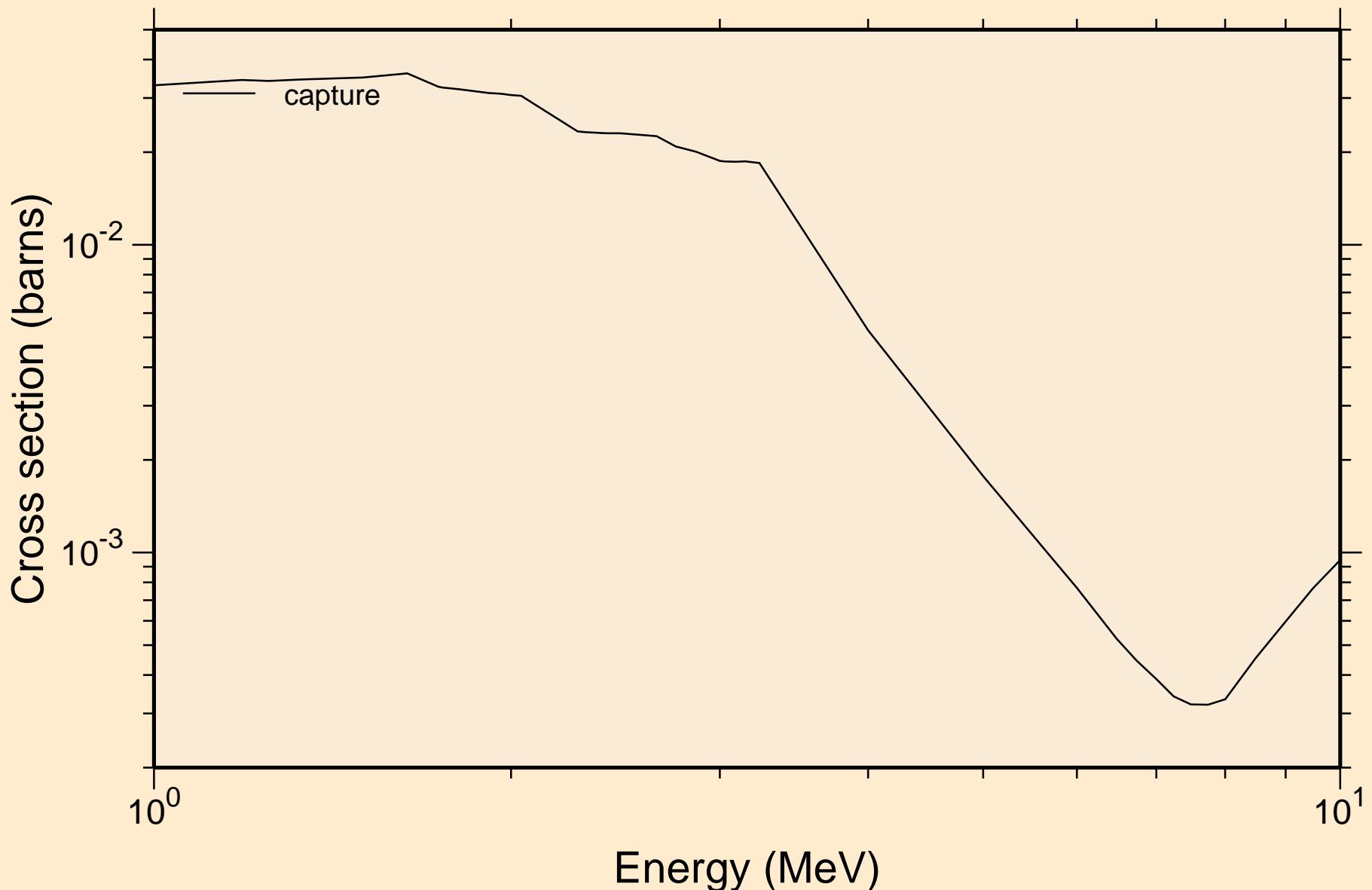
## Principal cross sections



ENDF/B-VII ZR-95  
resonance total cross section

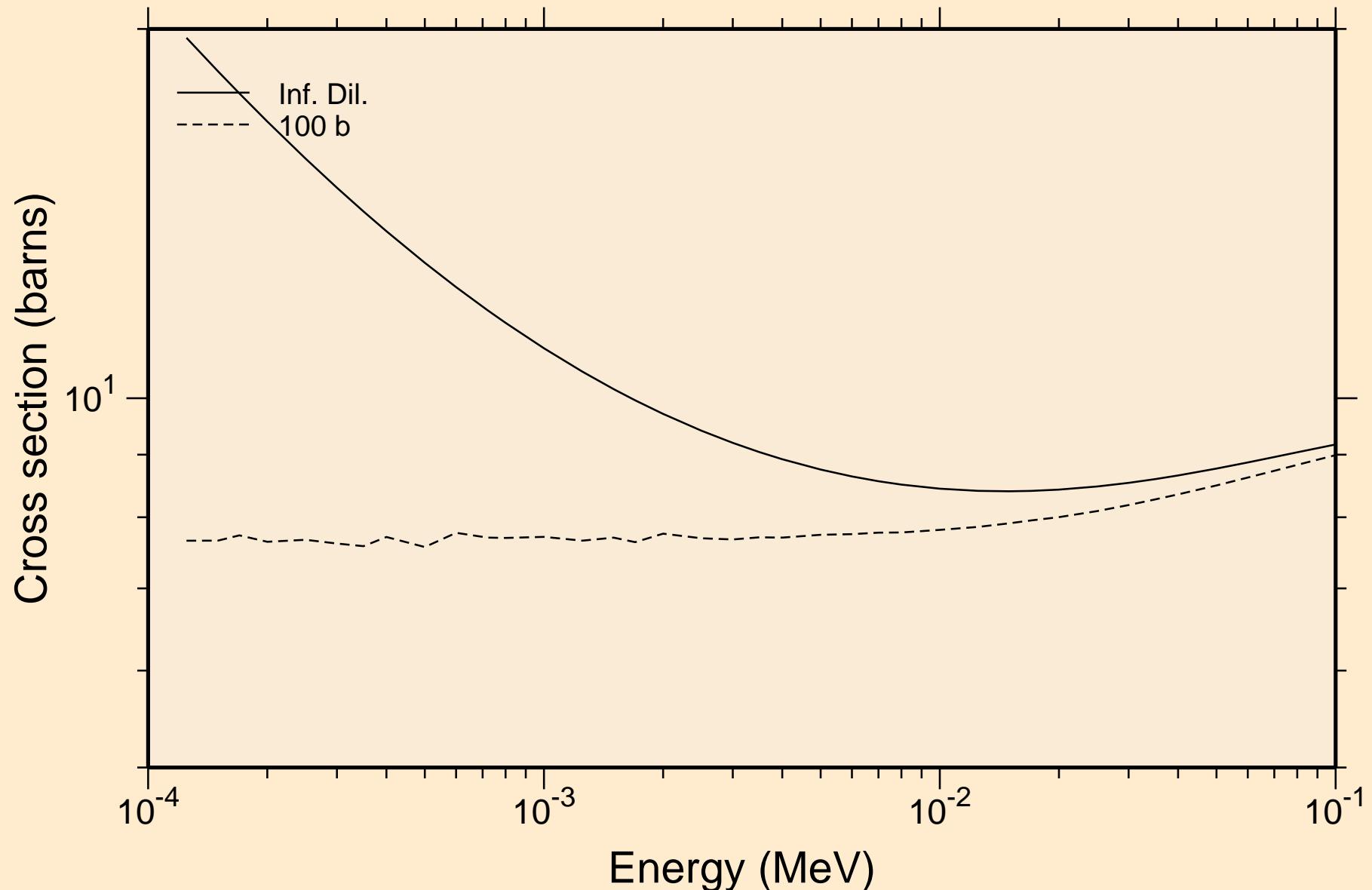


ENDF/B-VII ZR-95  
resonance absorption cross sections



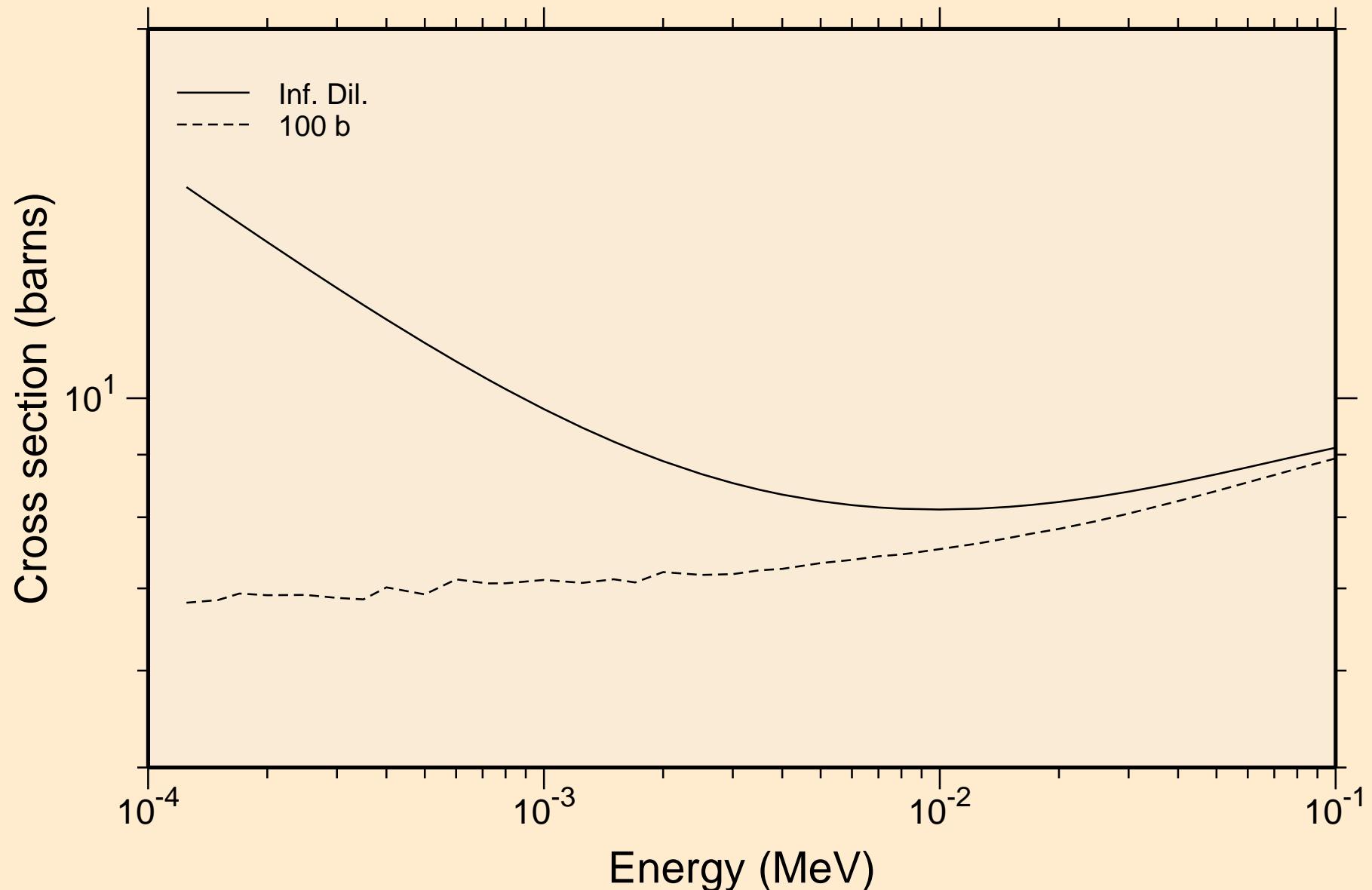
# ENDF/B-VII ZR-95

## UR total cross section



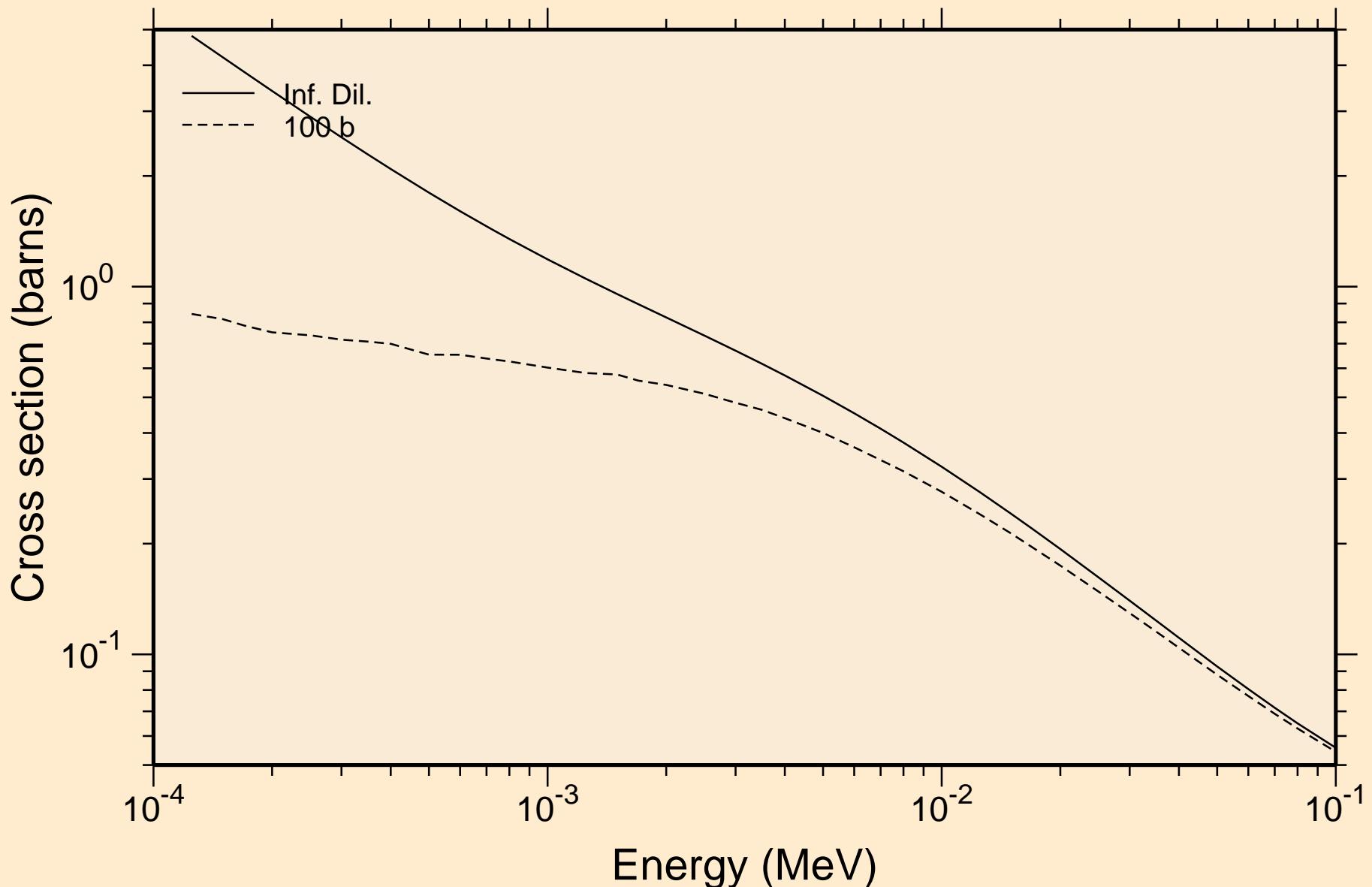
# ENDF/B-VII ZR-95

## UR elastic cross section

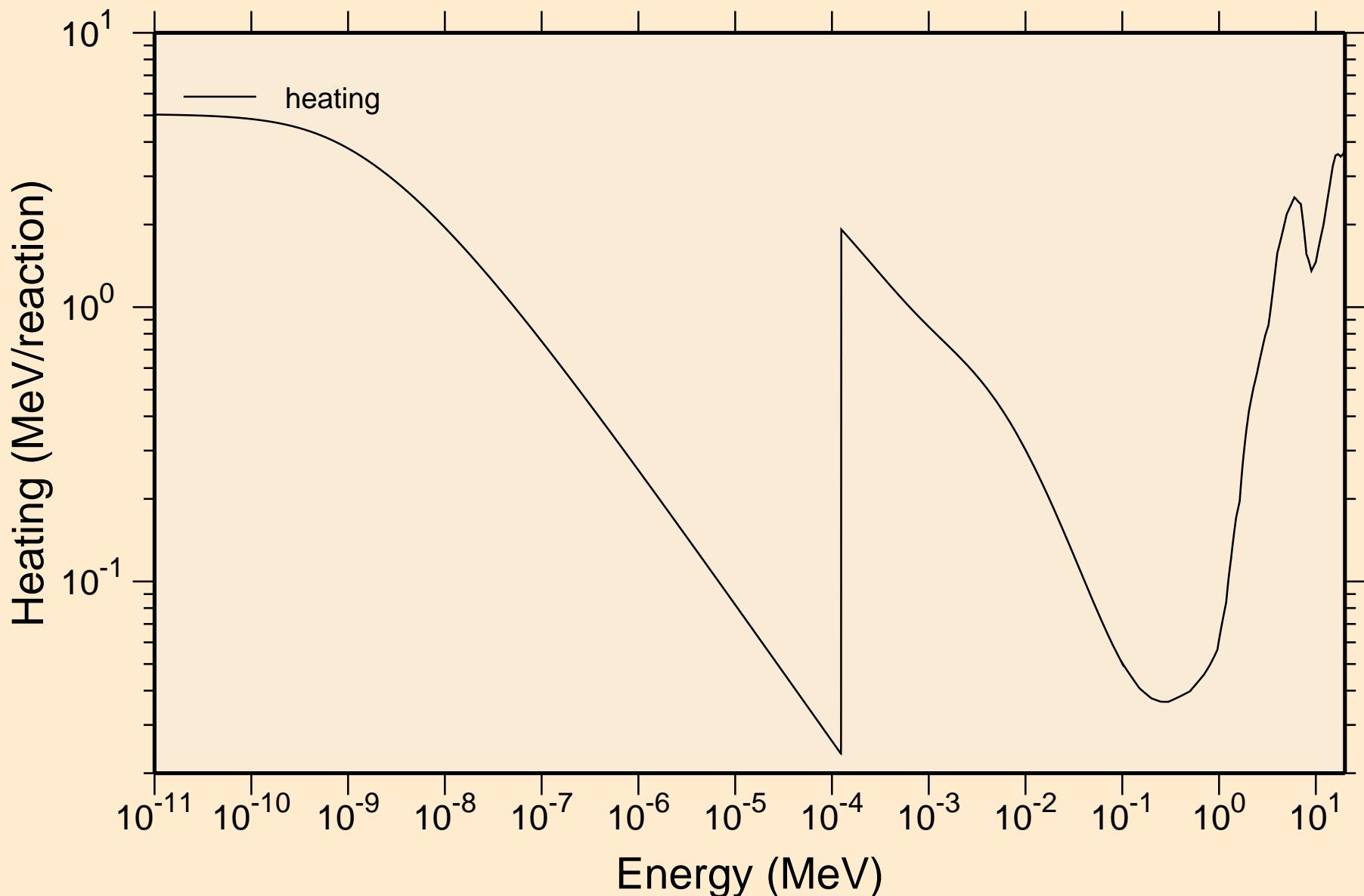


# ENDF/B-VII ZR-95

## UR capture cross section

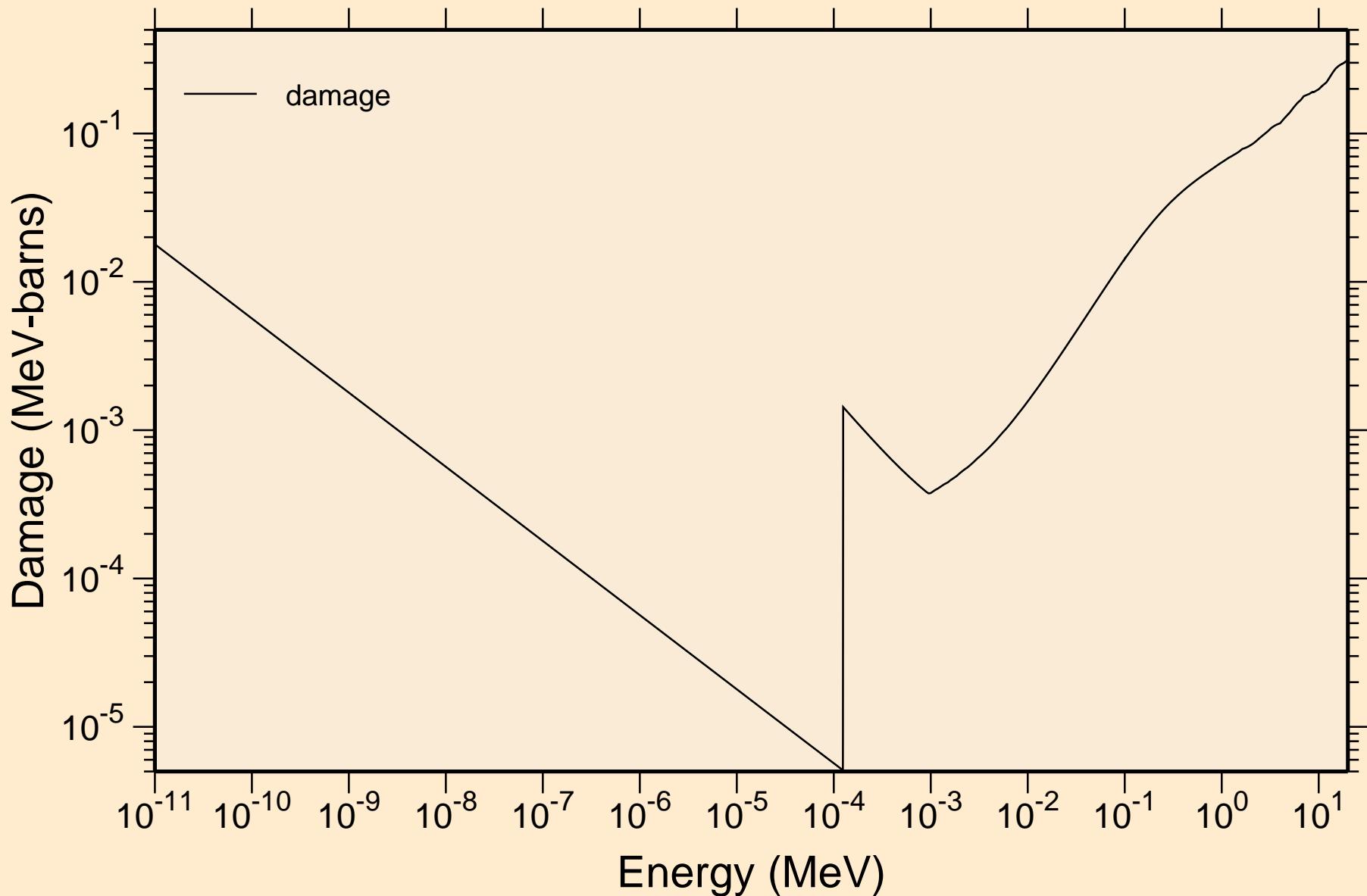


ENDF/B-VII ZR-95  
Heating

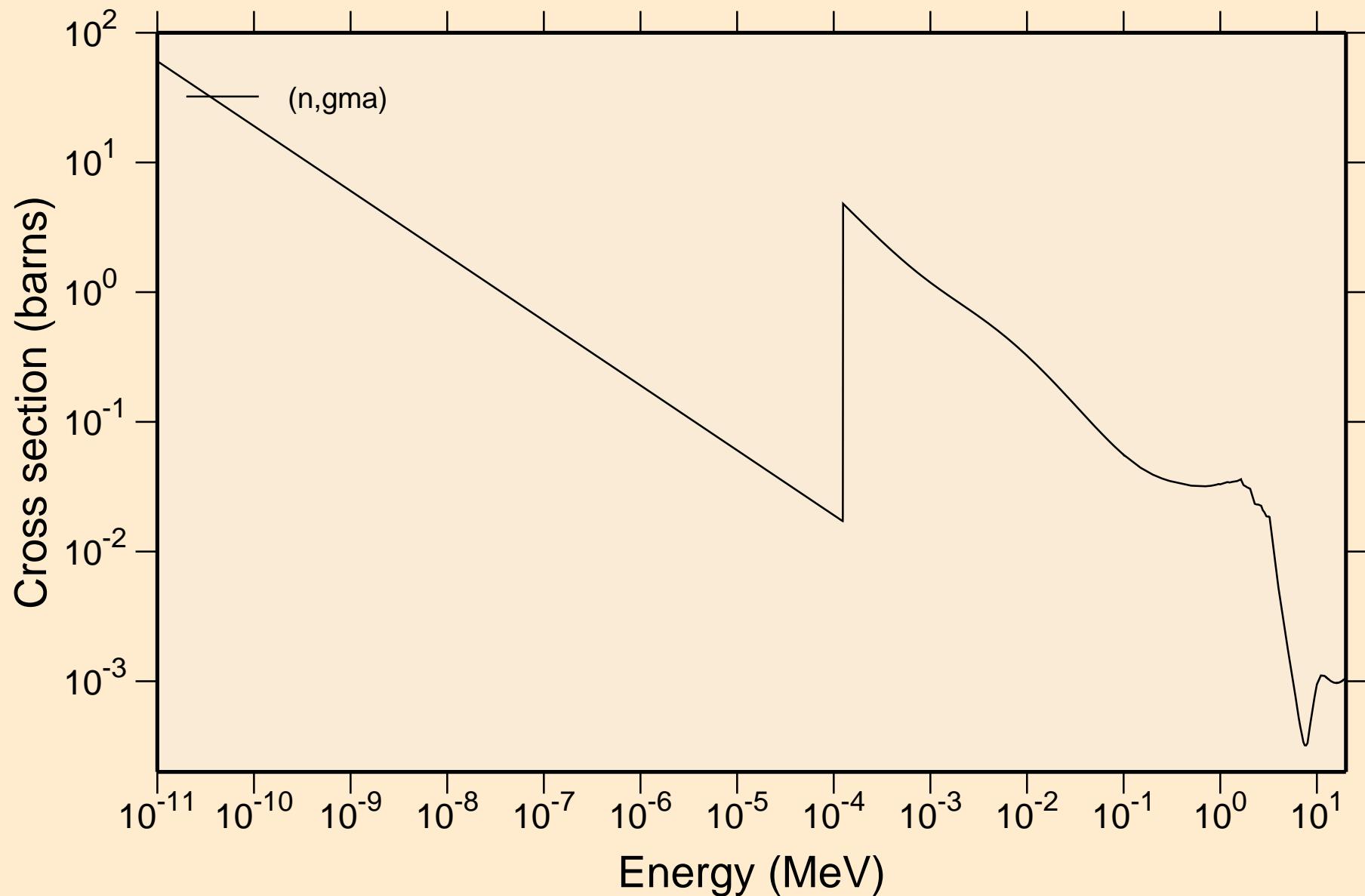


# ENDF/B-VII ZR-95

## Damage

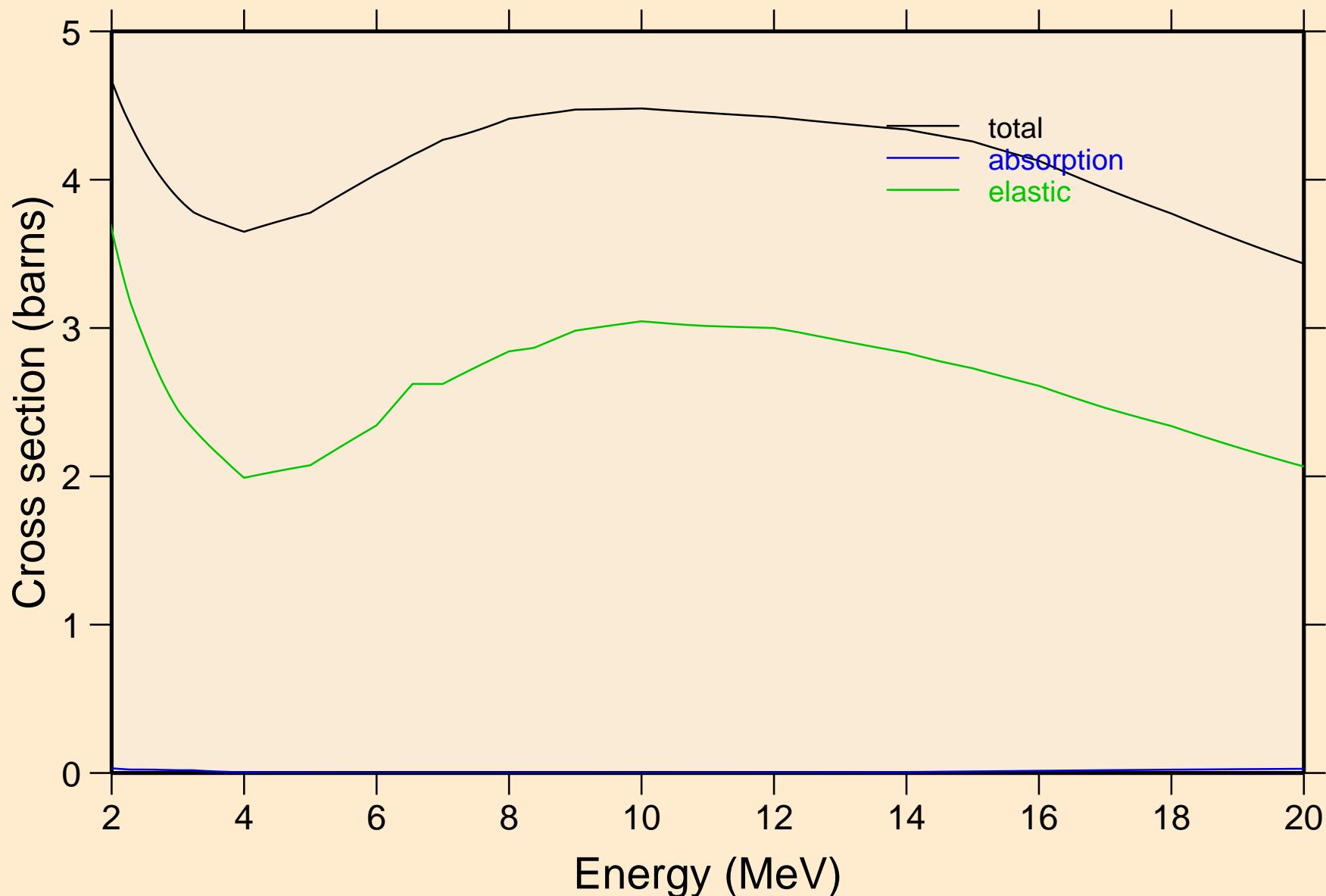


ENDF/B-VII ZR-95  
Non-threshold reactions

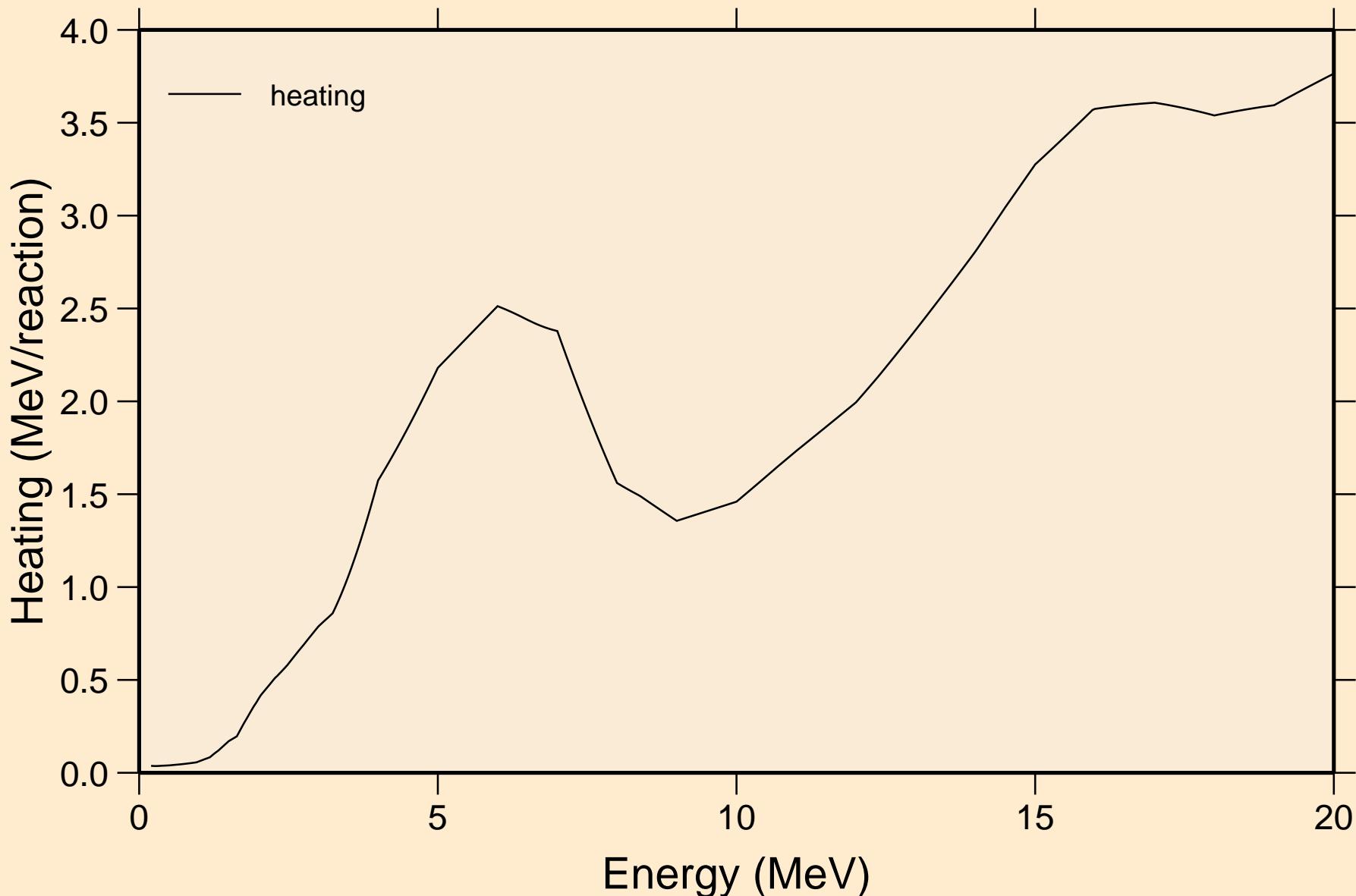


# ENDF/B-VII ZR-95

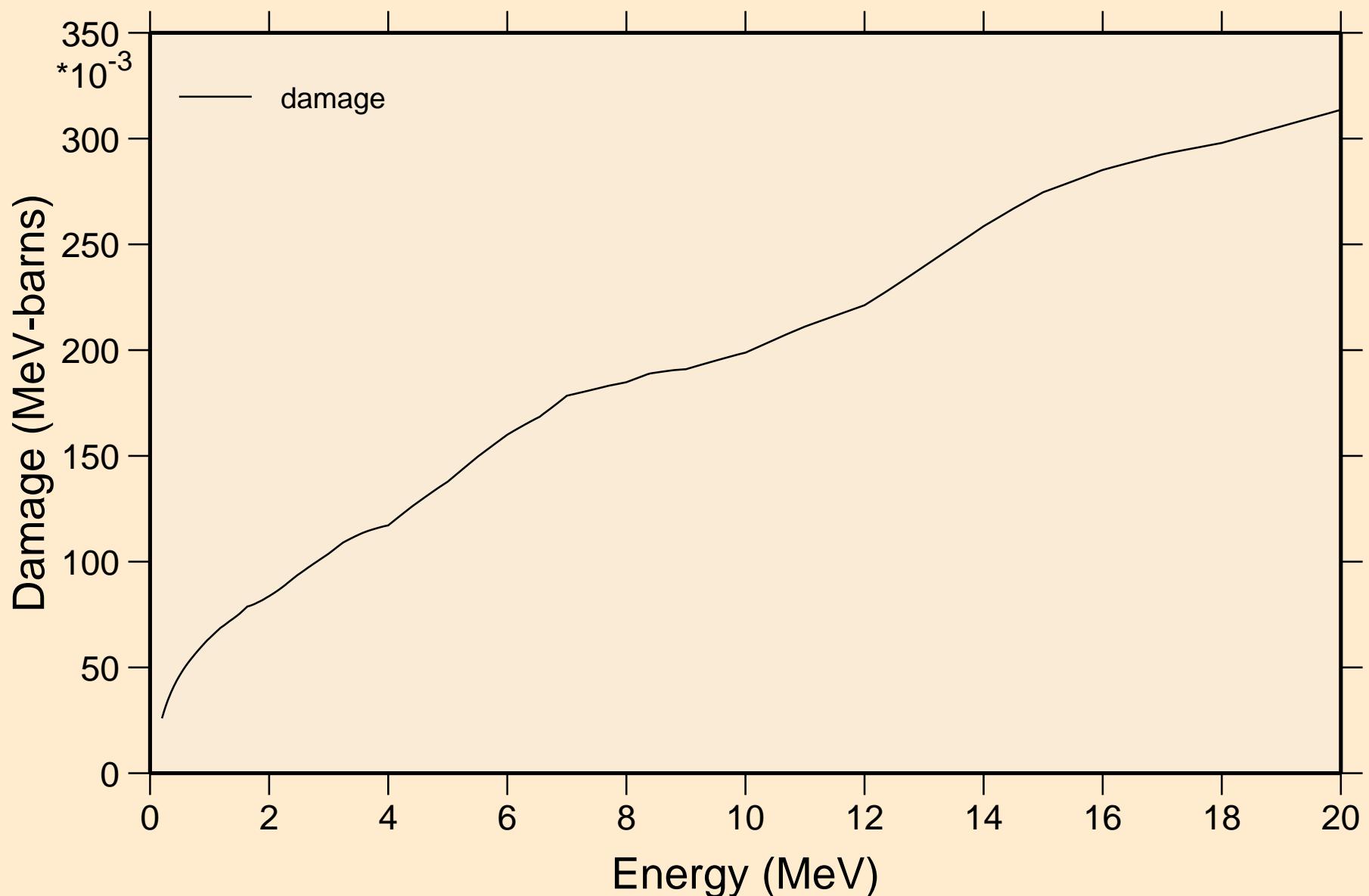
## Principal cross sections



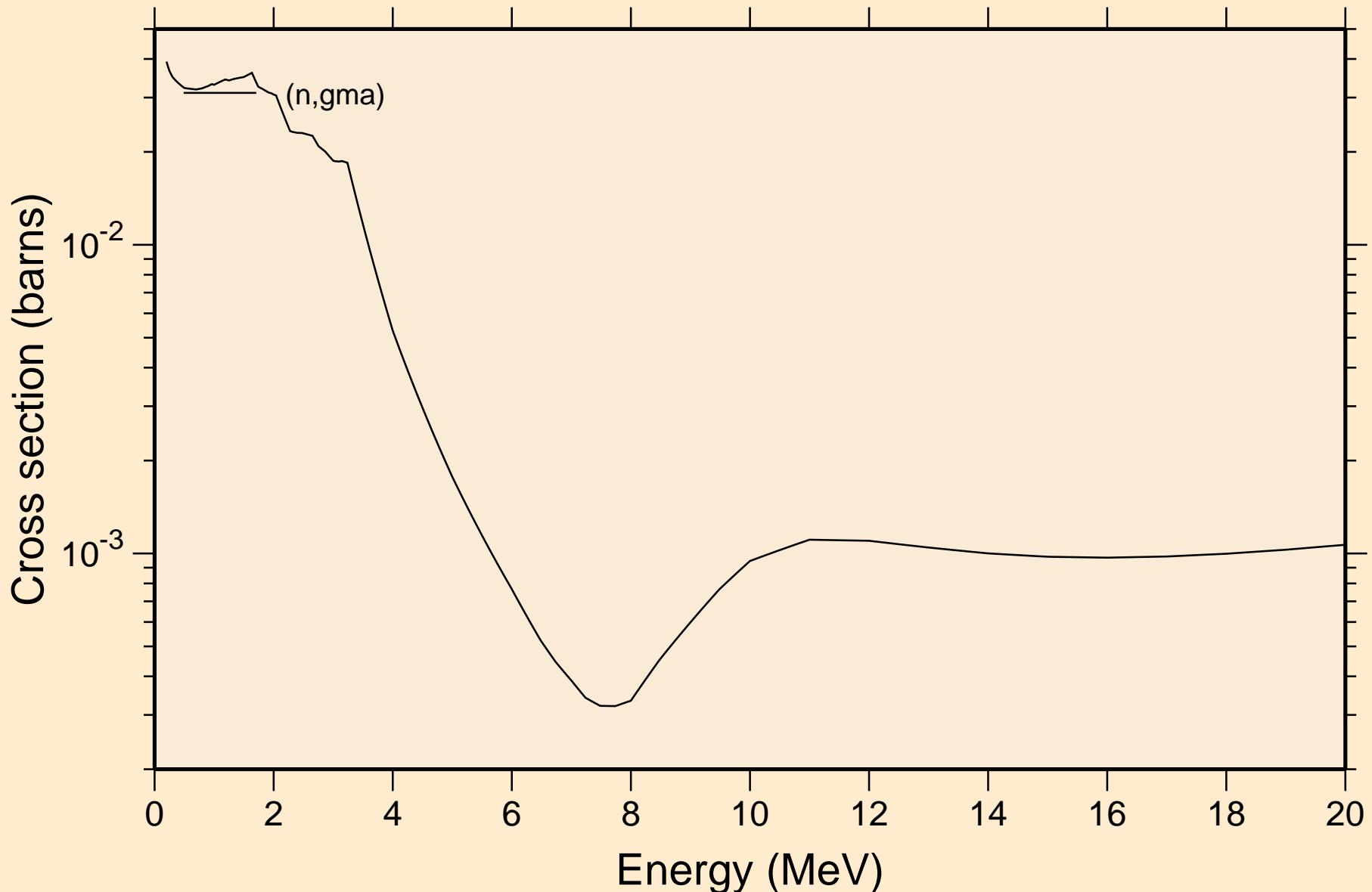
ENDF/B-VII ZR-95  
Heating



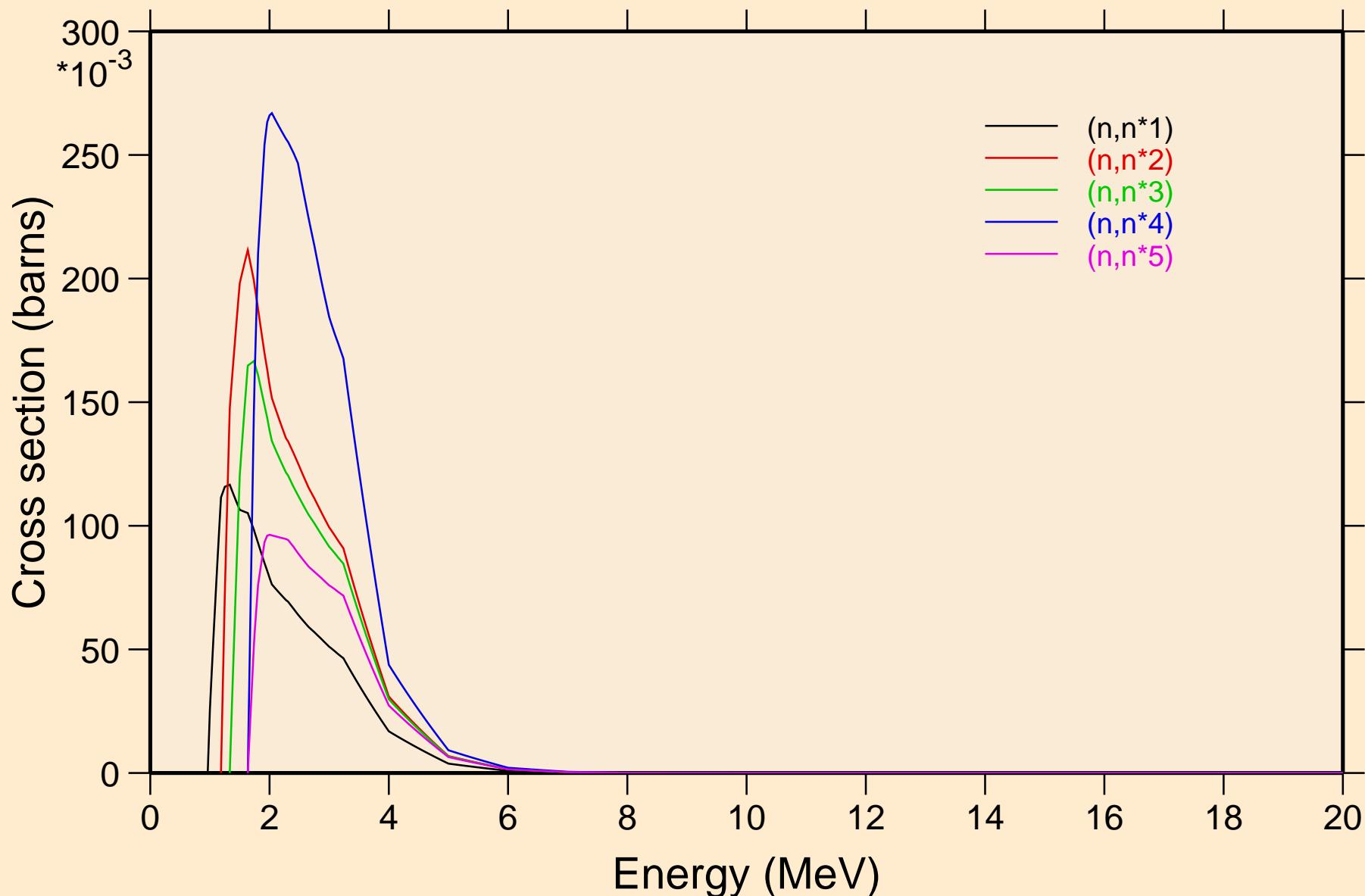
ENDF/B-VII ZR-95  
Damage



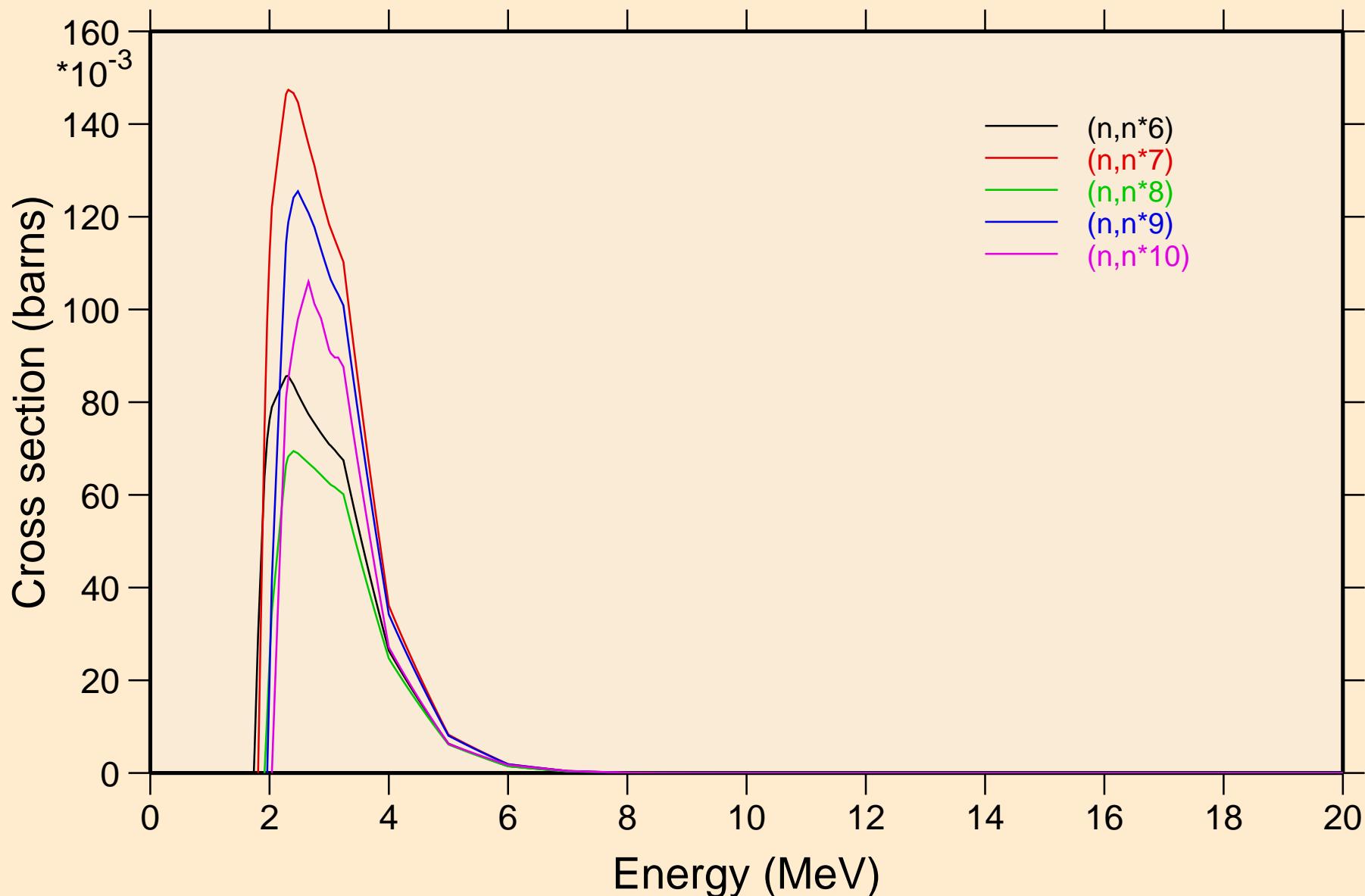
ENDF/B-VII ZR-95  
Non-threshold reactions



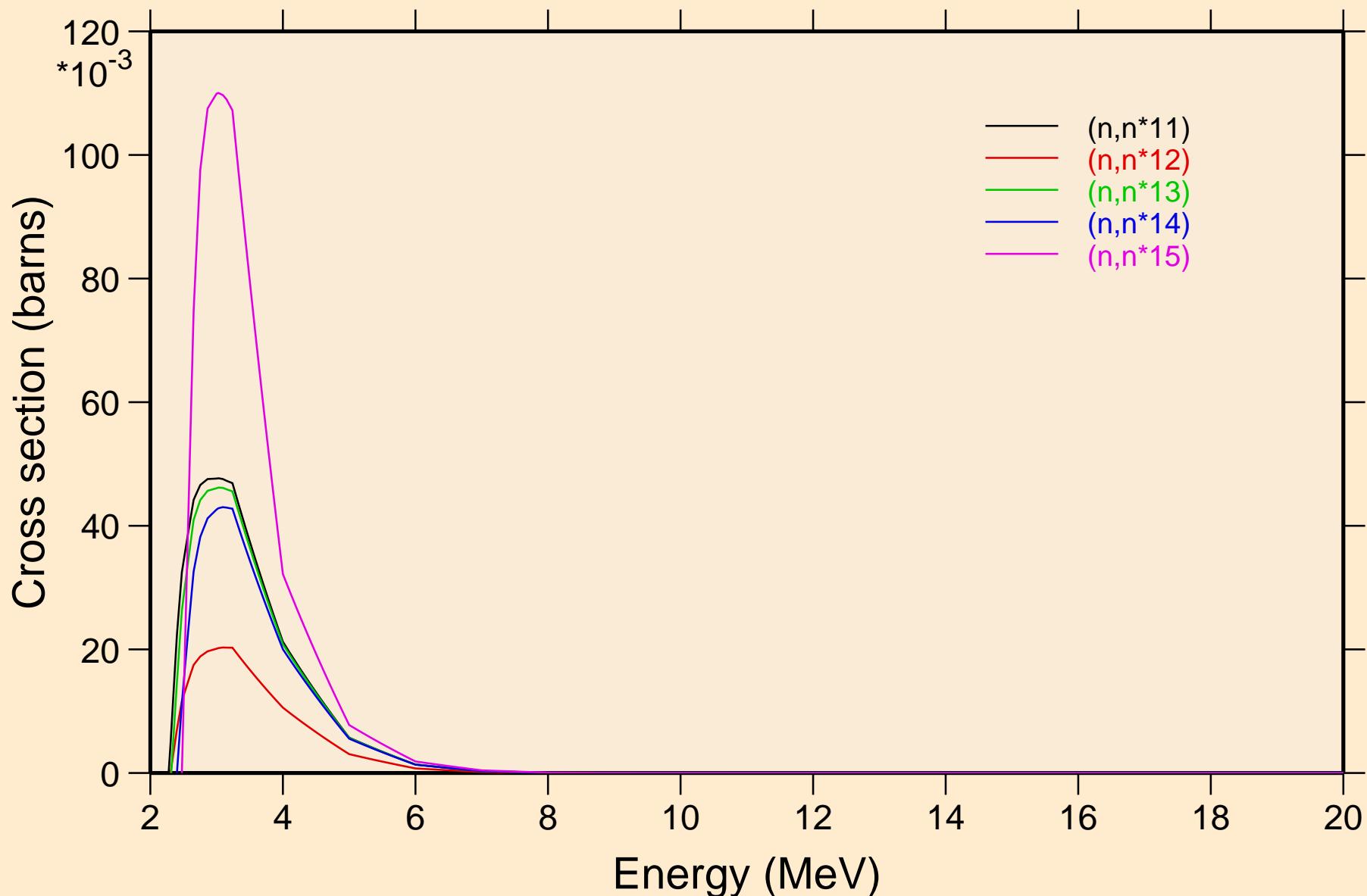
ENDF/B-VII ZR-95  
Inelastic levels



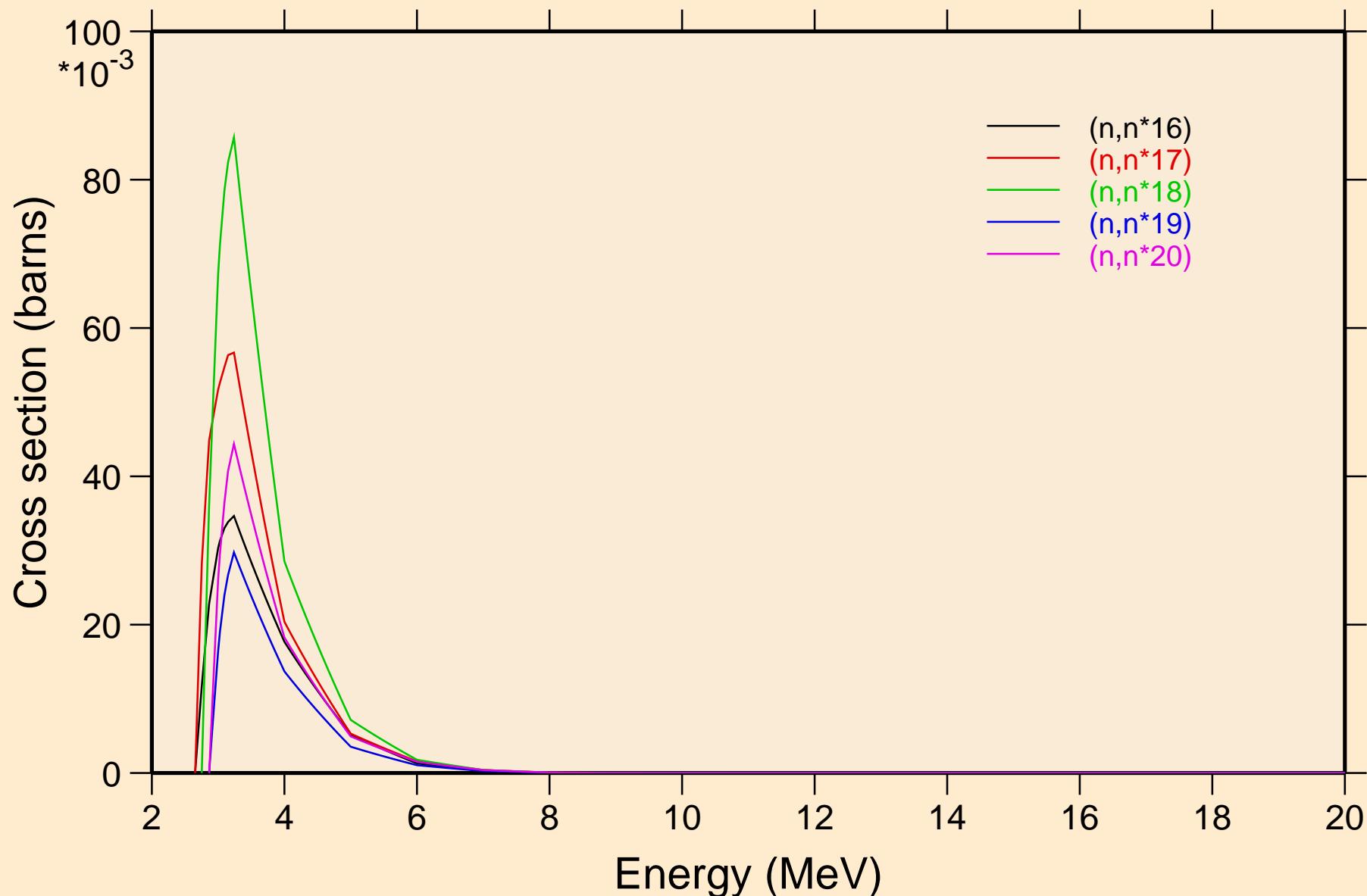
ENDF/B-VII ZR-95  
Inelastic levels



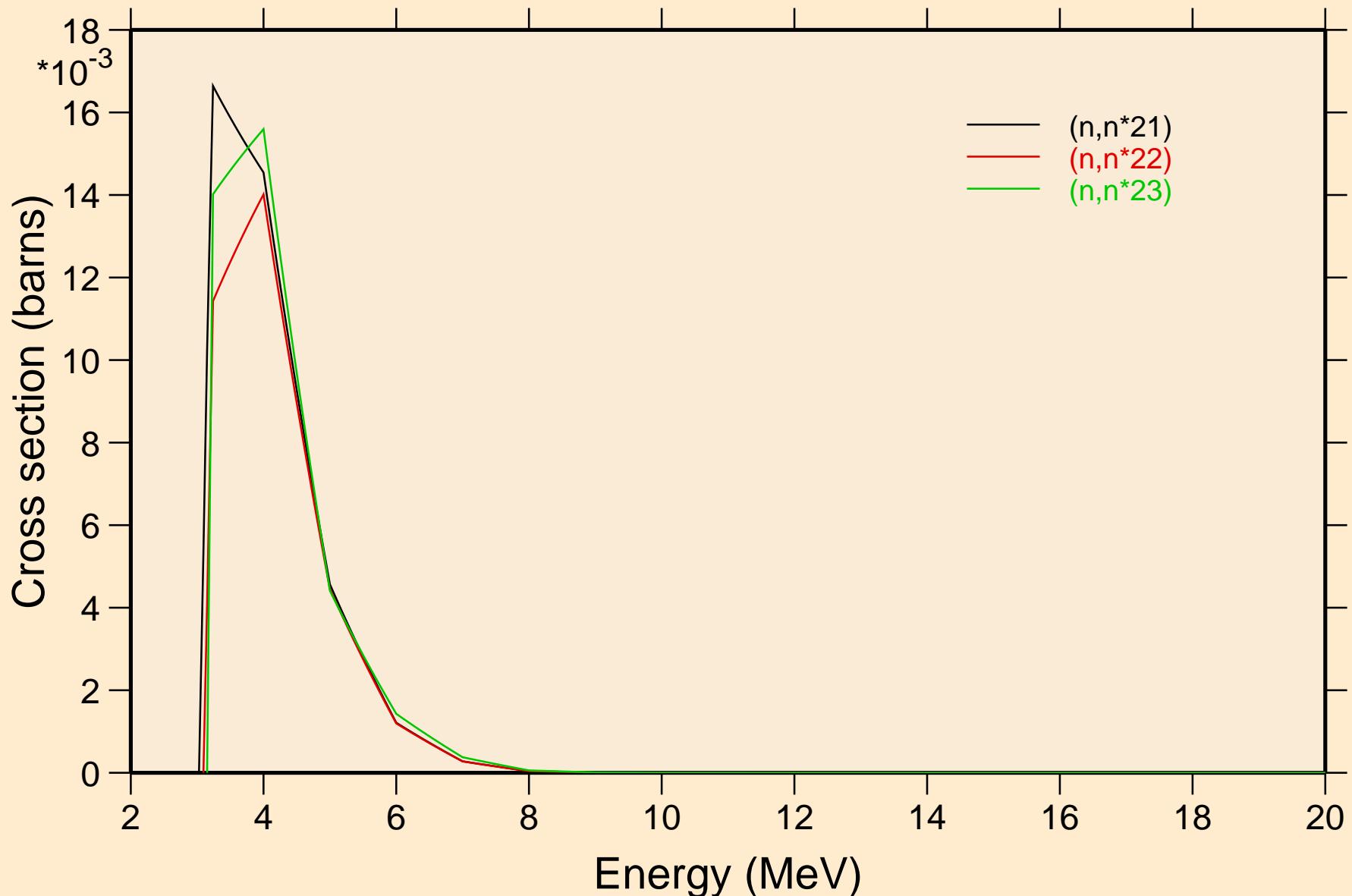
ENDF/B-VII ZR-95  
Inelastic levels



ENDF/B-VII ZR-95  
Inelastic levels

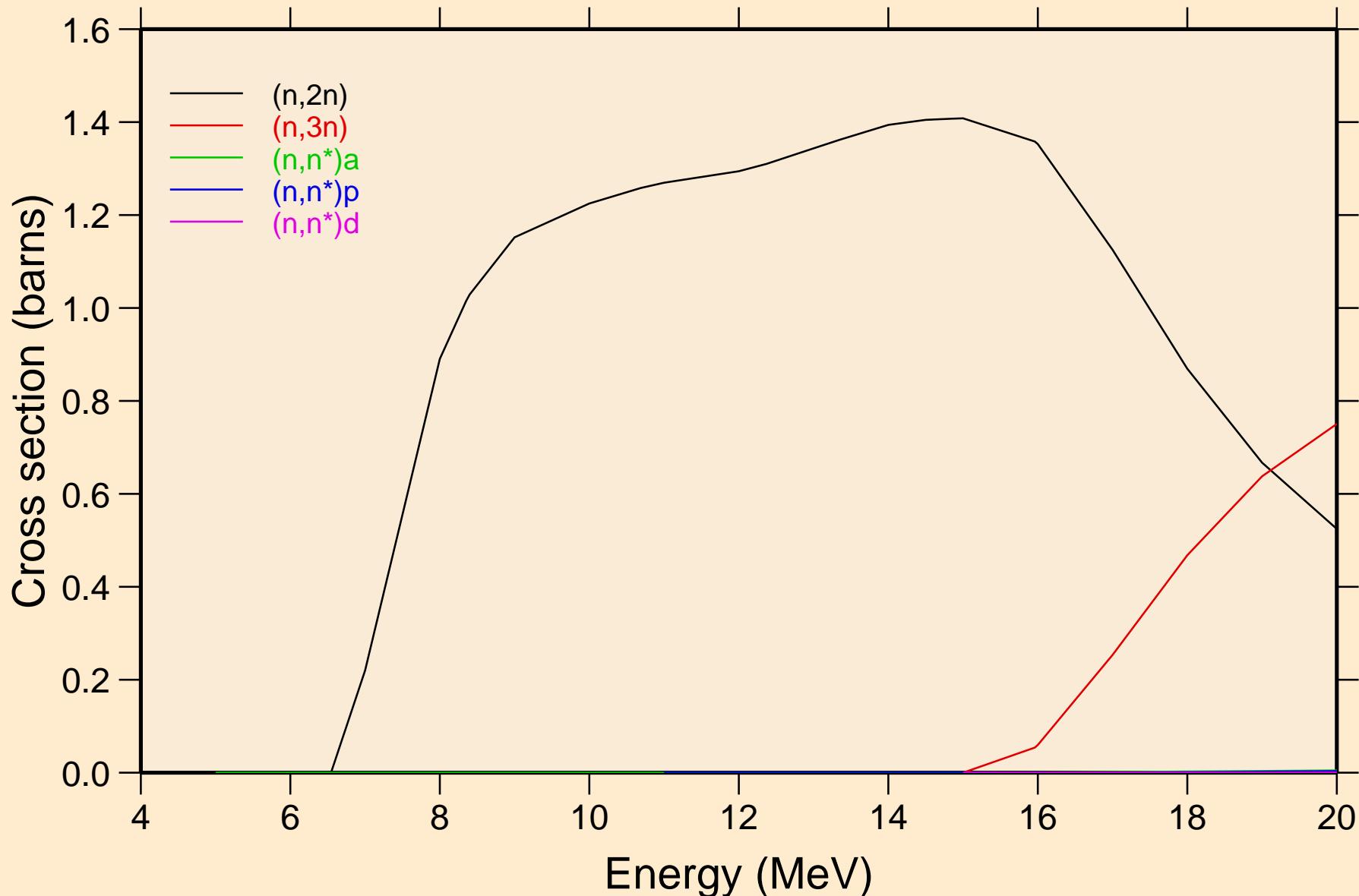


ENDF/B-VII ZR-95  
Inelastic levels



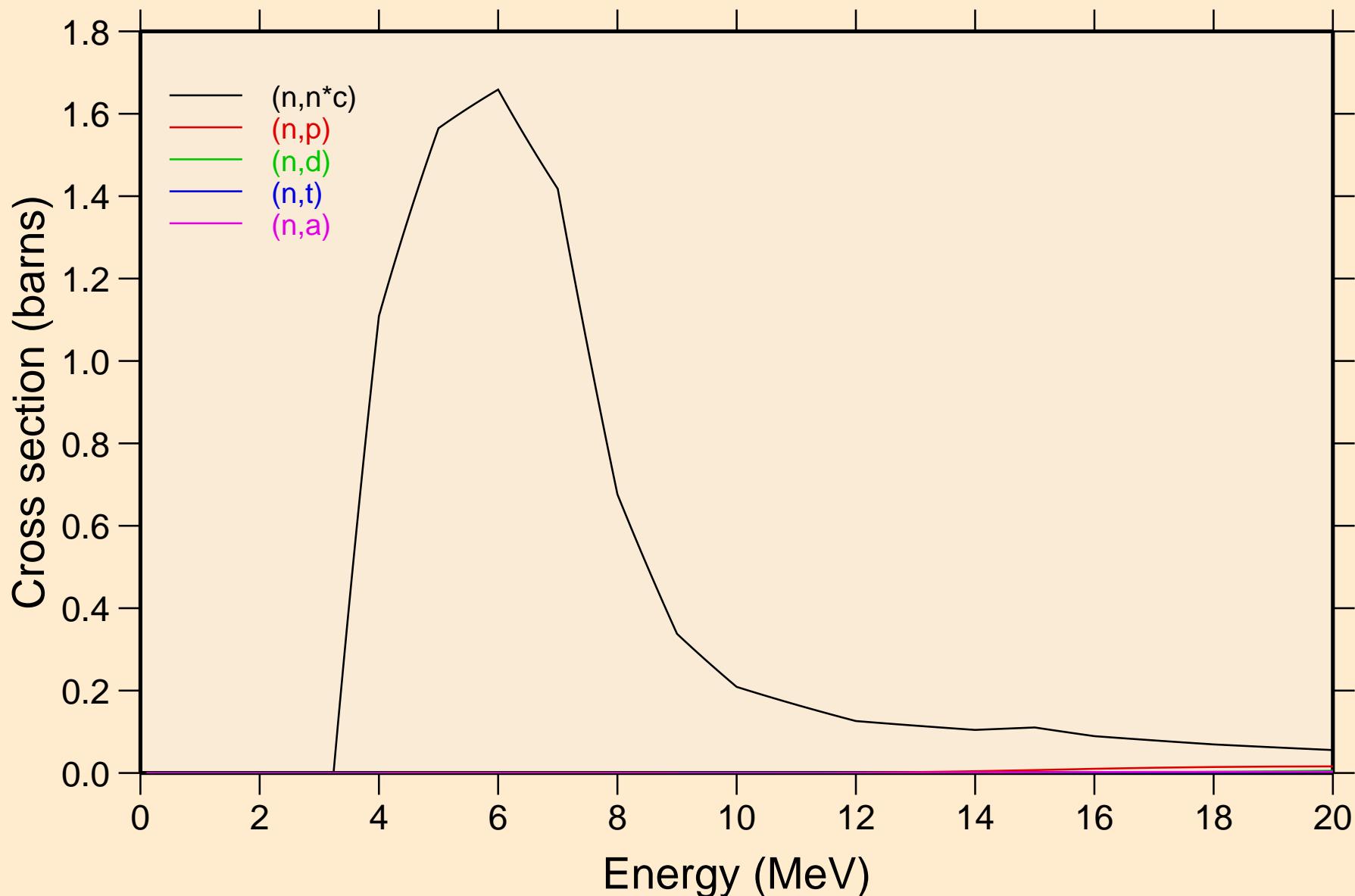
# ENDF/B-VII ZR-95

## Threshold reactions



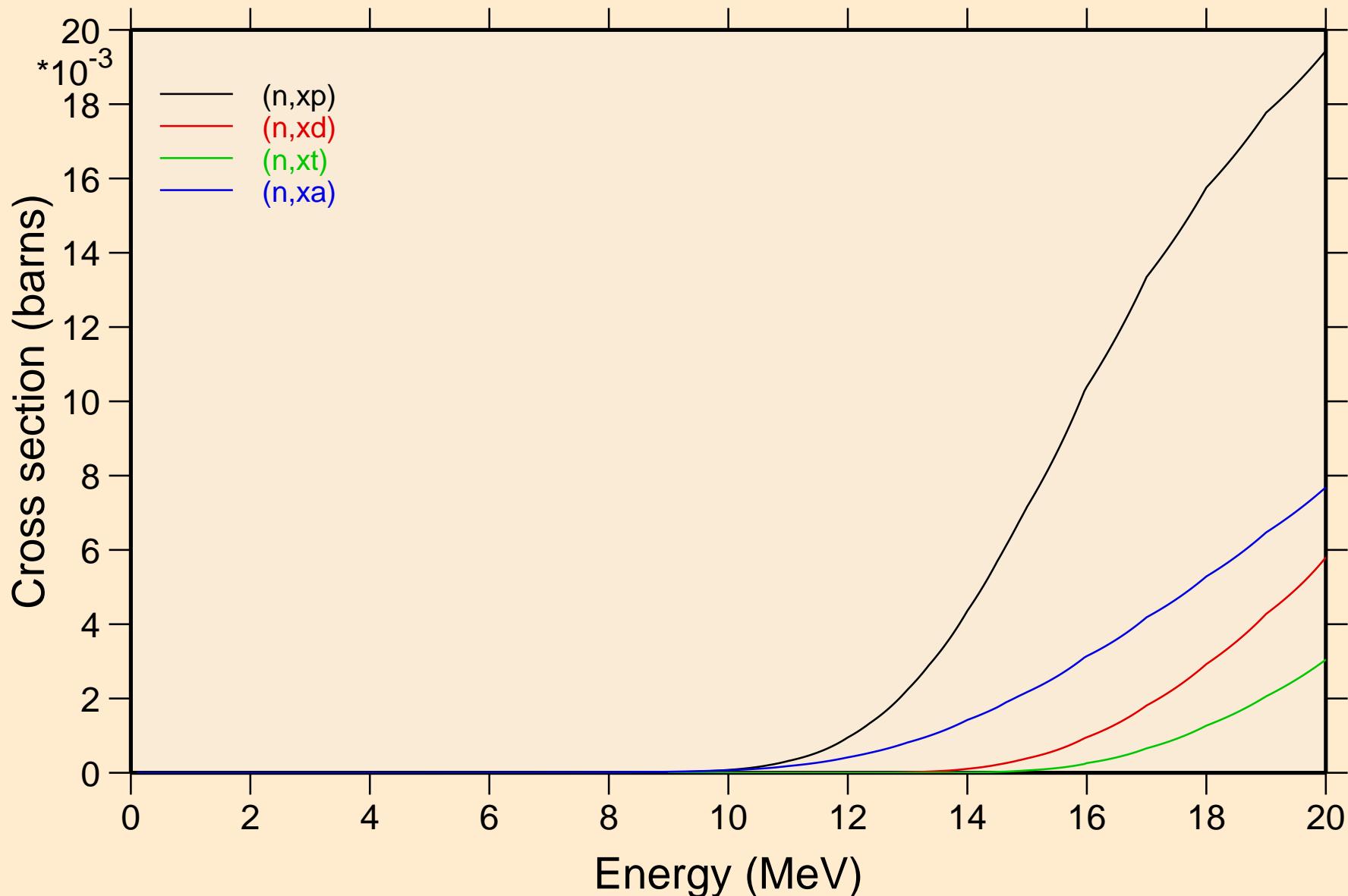
# ENDF/B-VII ZR-95

## Threshold reactions

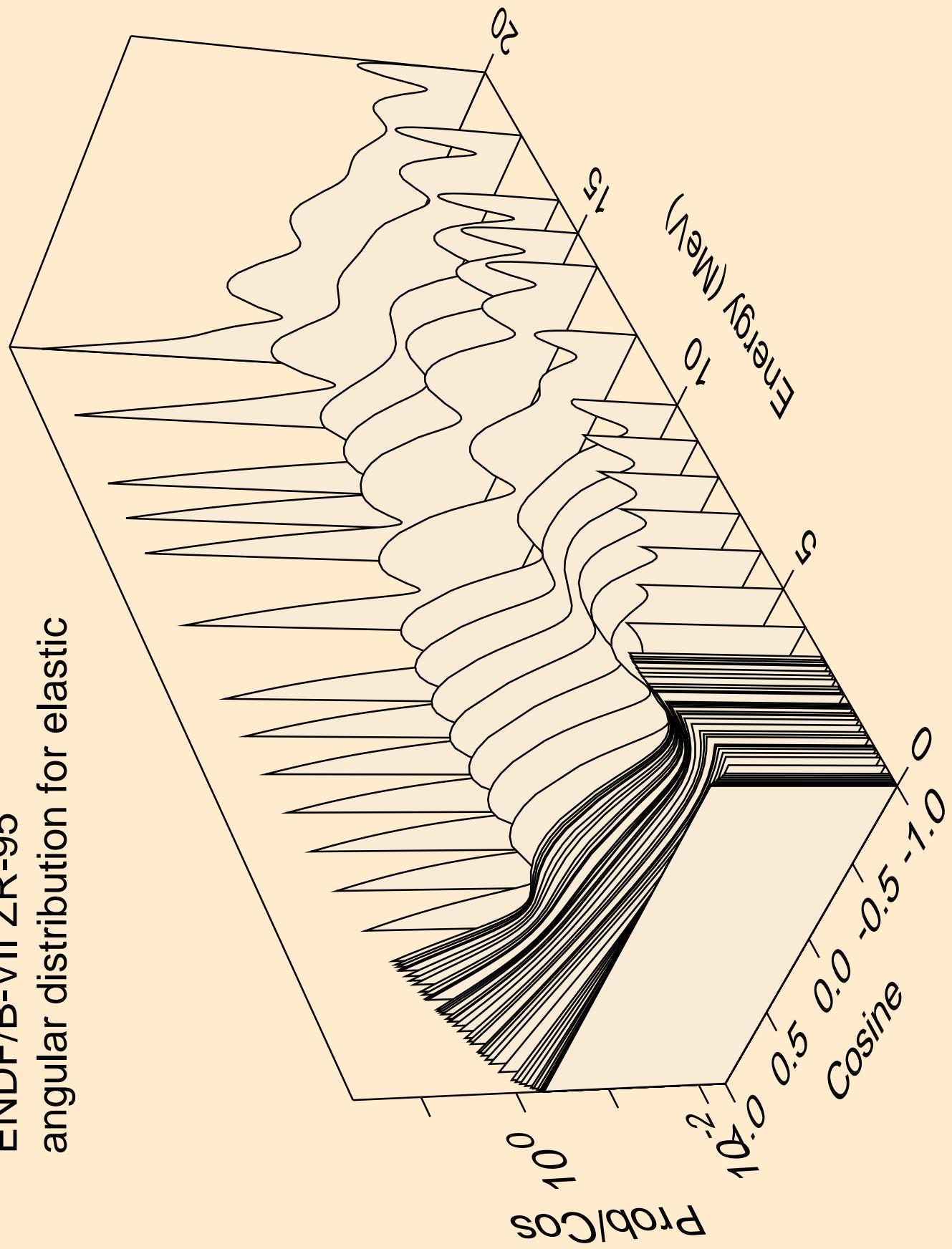


# ENDF/B-VII ZR-95

## Threshold reactions

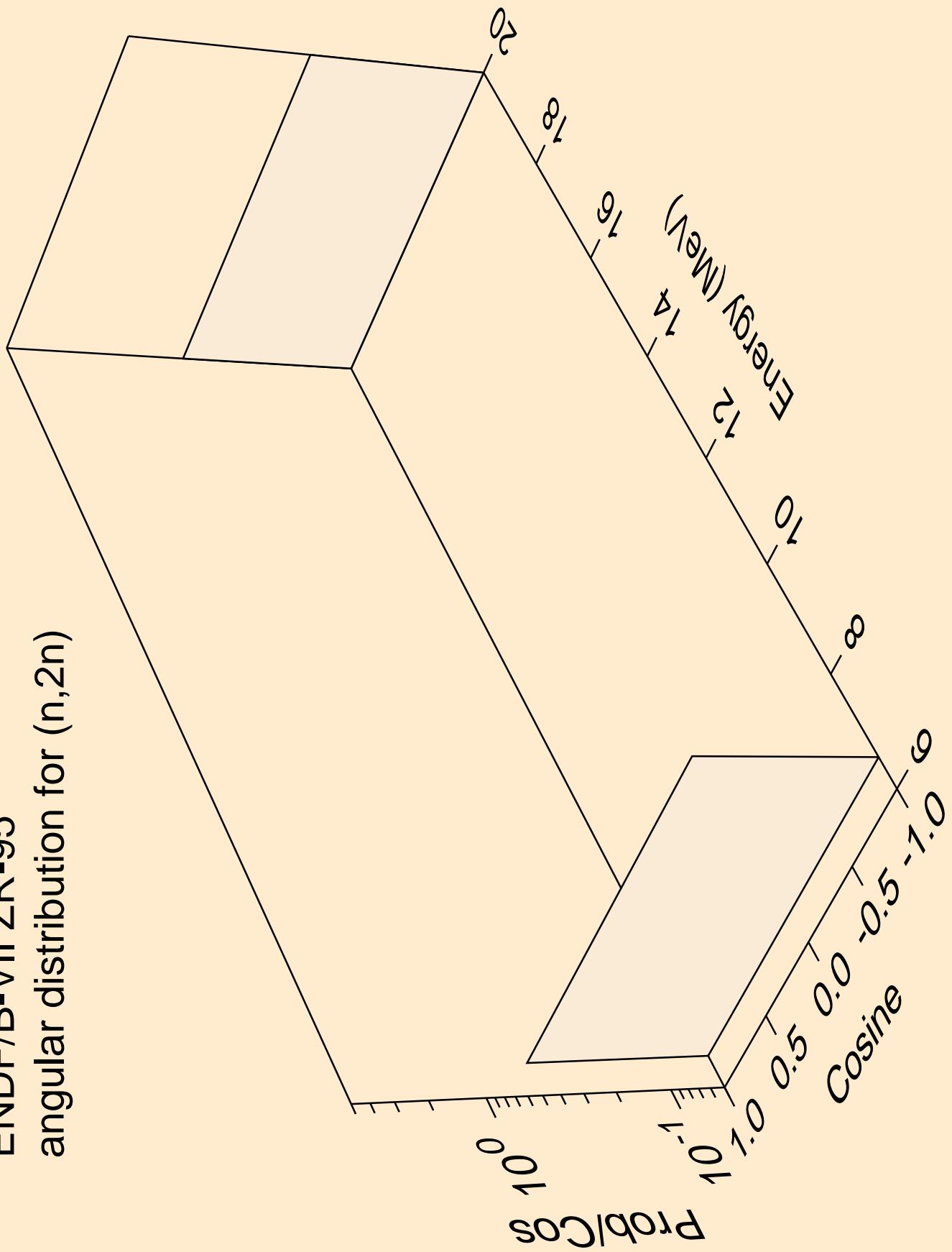


ENDF/B-VII ZR-95  
angular distribution for elastic

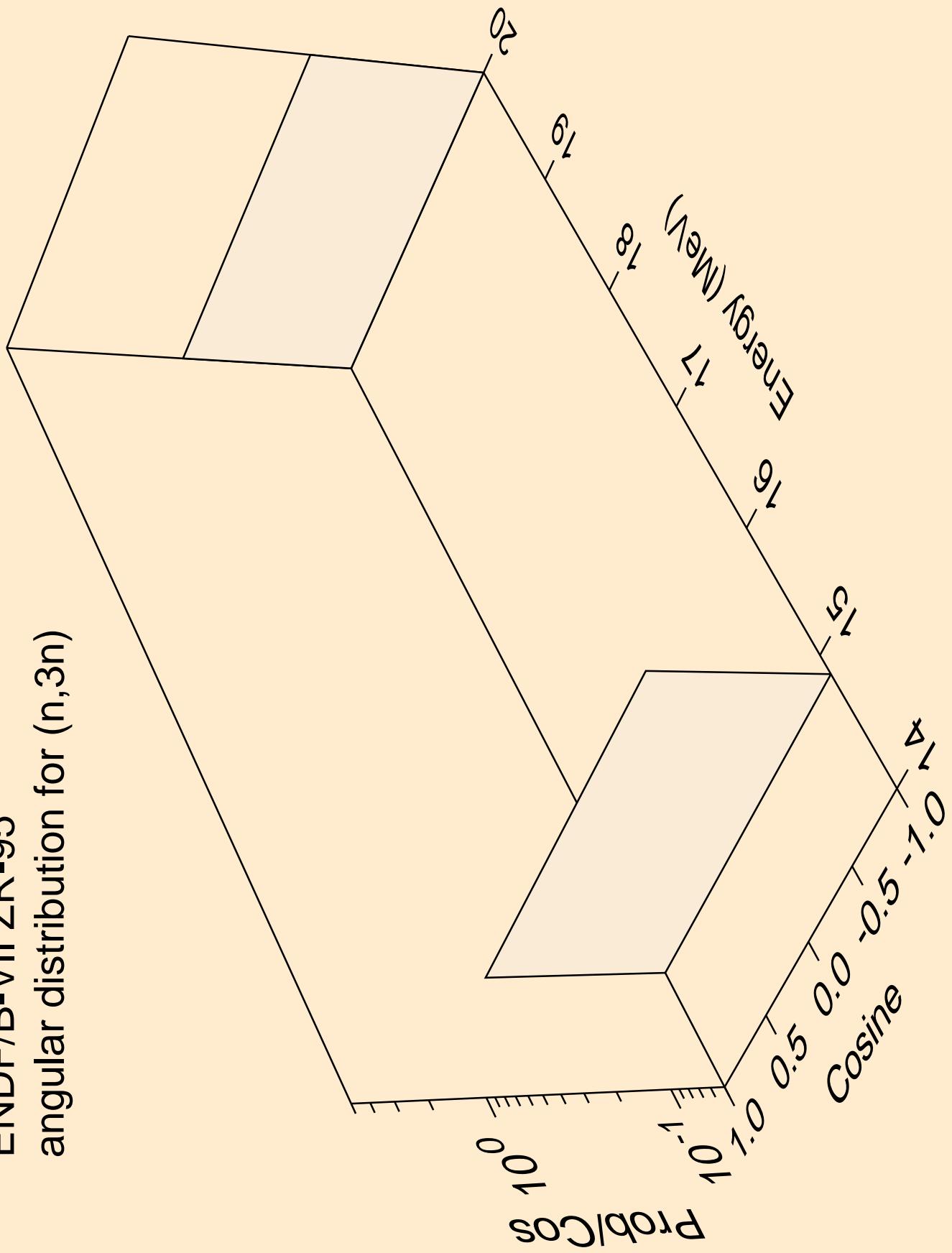


ENDF/B-VII ZR-95

angular distribution for (n,2n)

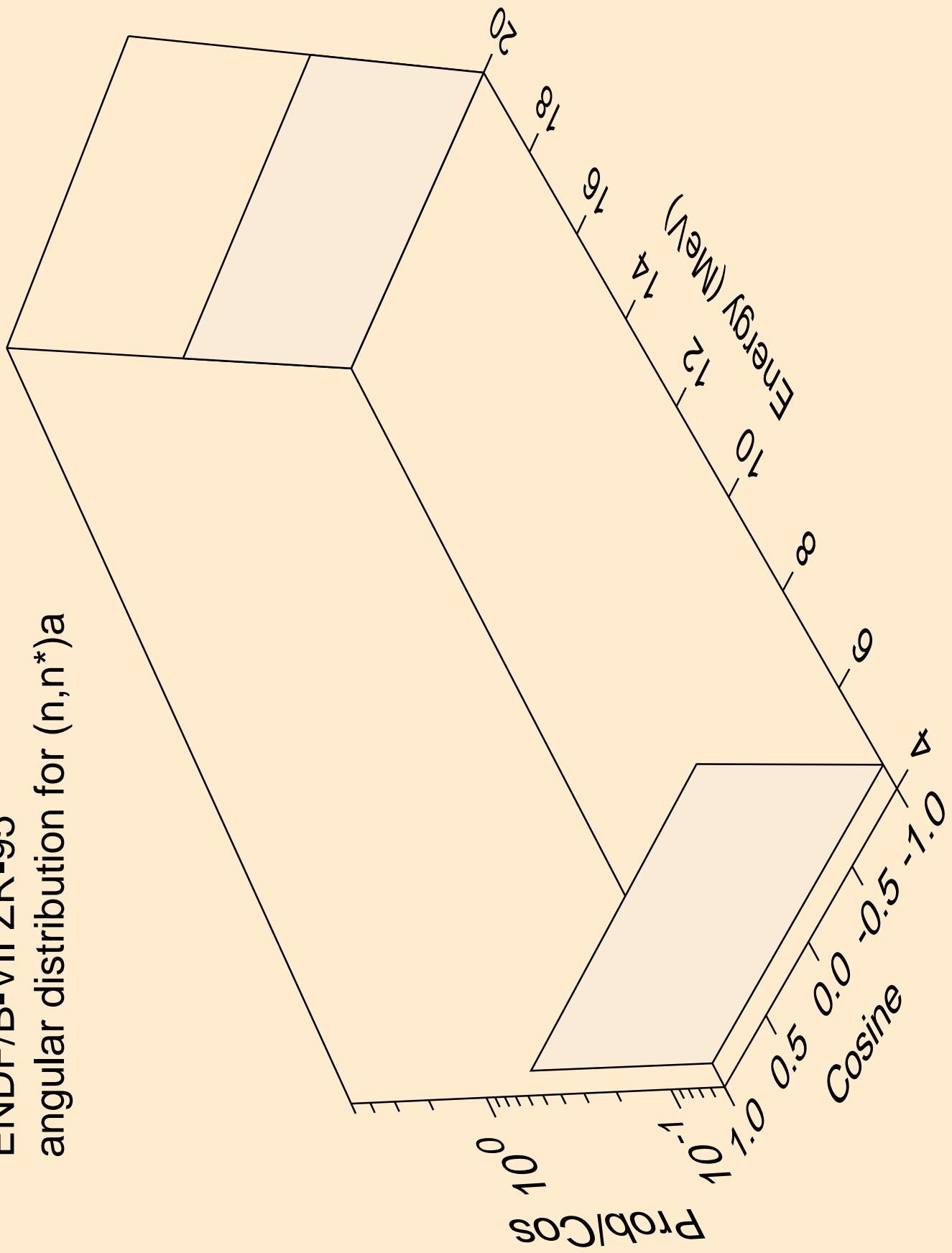


ENDF/B-VII ZR-95  
angular distribution for (n,3n)



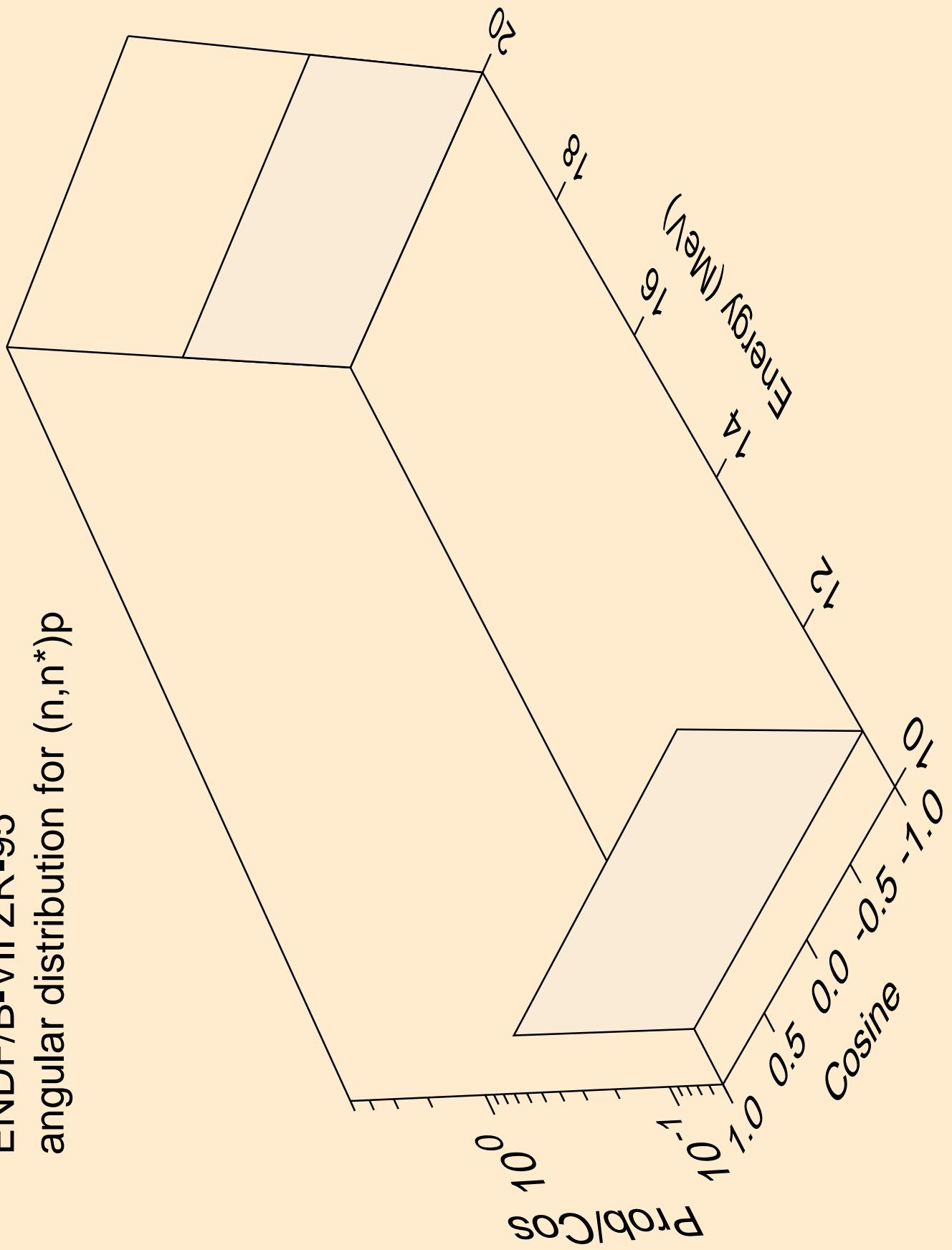
ENDF/B-VII ZR-95

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



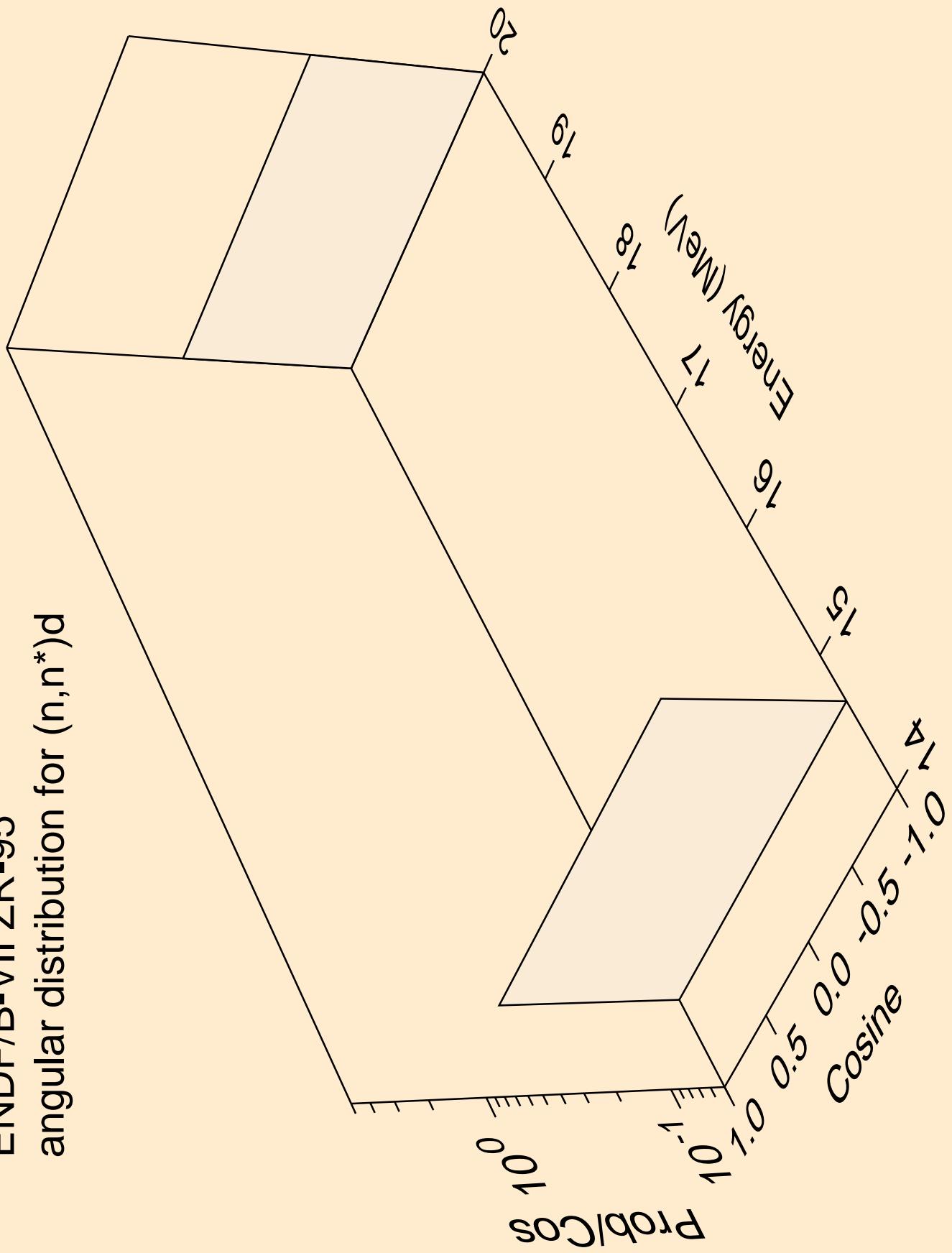
ENDF/B-VII ZR-95

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



ENDF/B-VII ZR-95

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



ENDF/B-VII ZR-95

angular distribution for (n,n\*1)

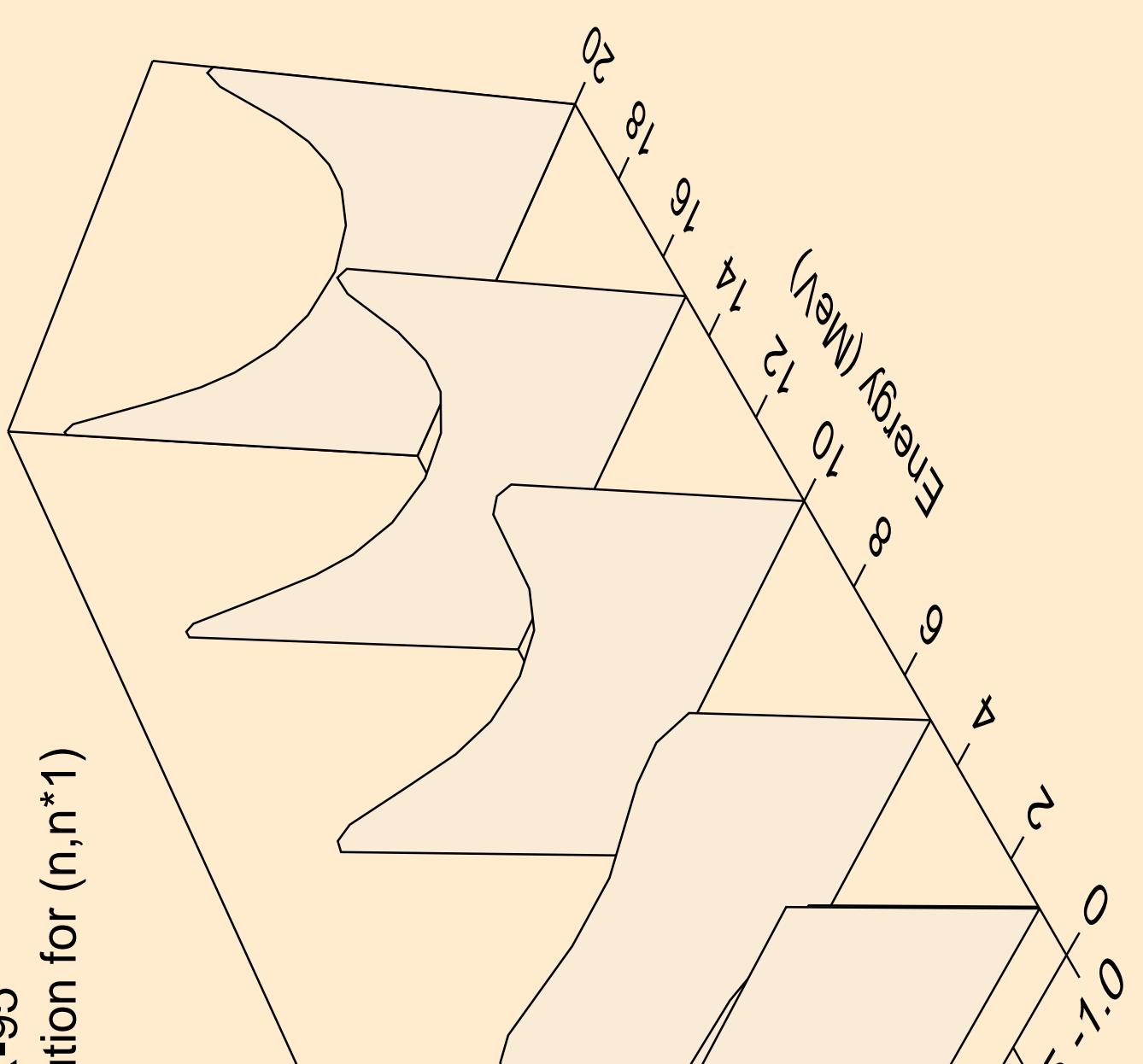
$10^0$

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 ZR-95

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

20

18

16

14

12

10

8

6

4

2

0

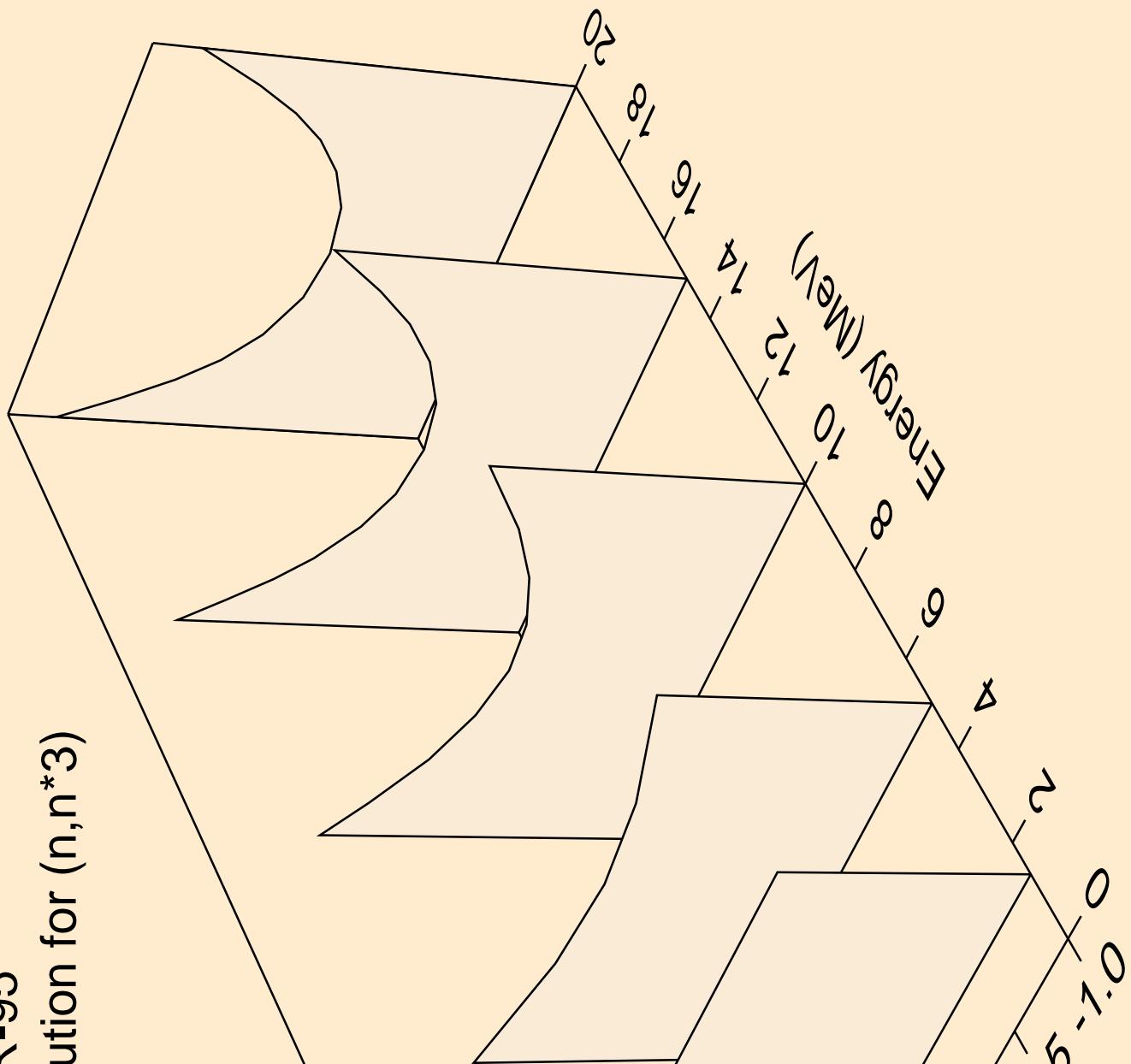
ENDF/B-VII ZR-95

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

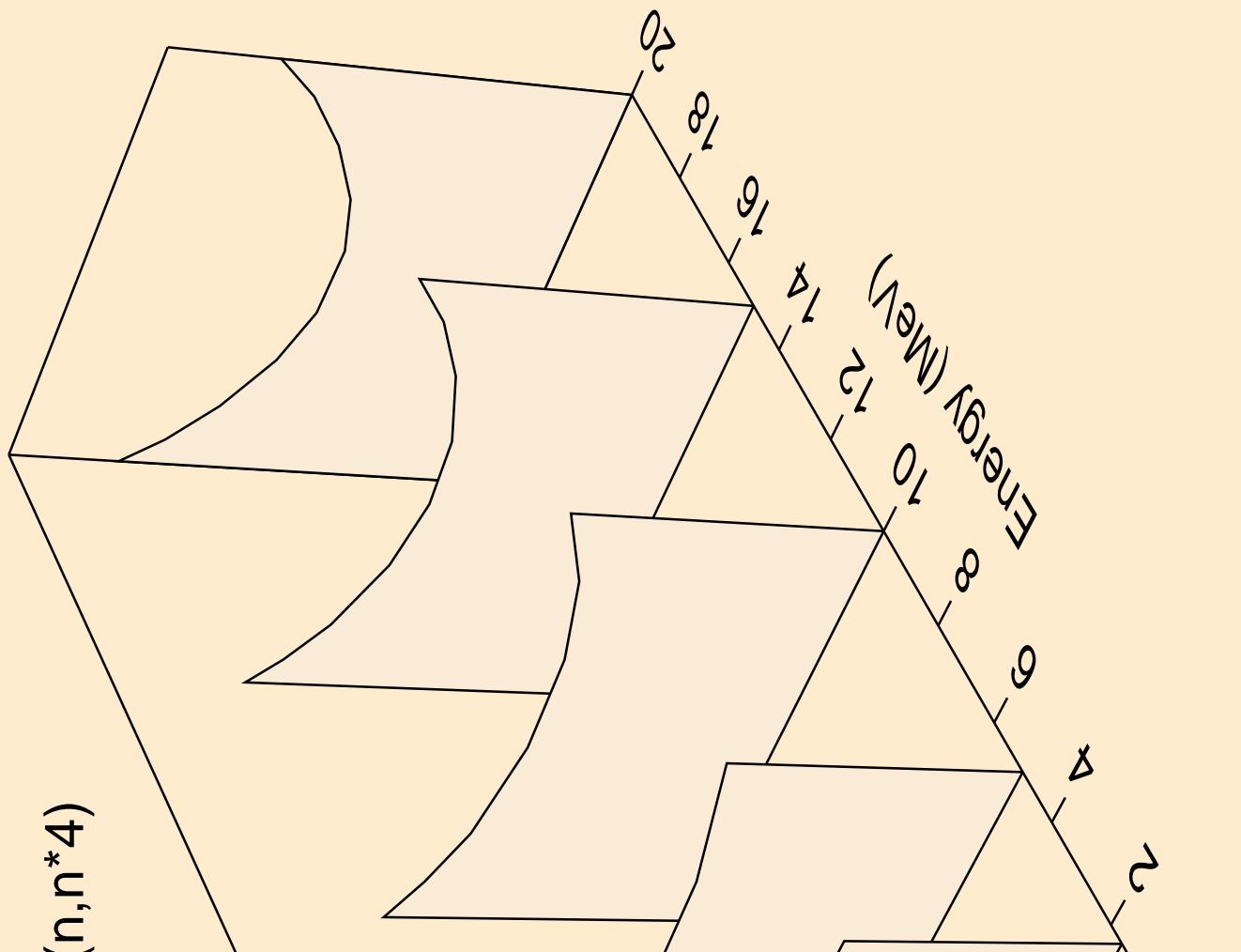


ENDF/B-VII ZR-95  
angular distribution for ( $n,n^*4$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII ZR-95

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

$10^0$

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

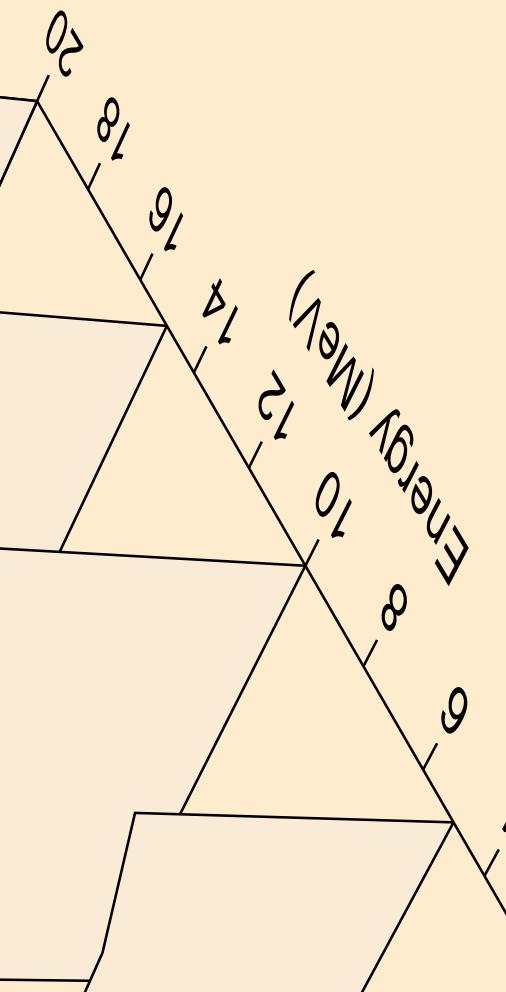
ENDF/B-VII ZR-95

angular distribution for (n,n\*6)

$10^0$

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

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

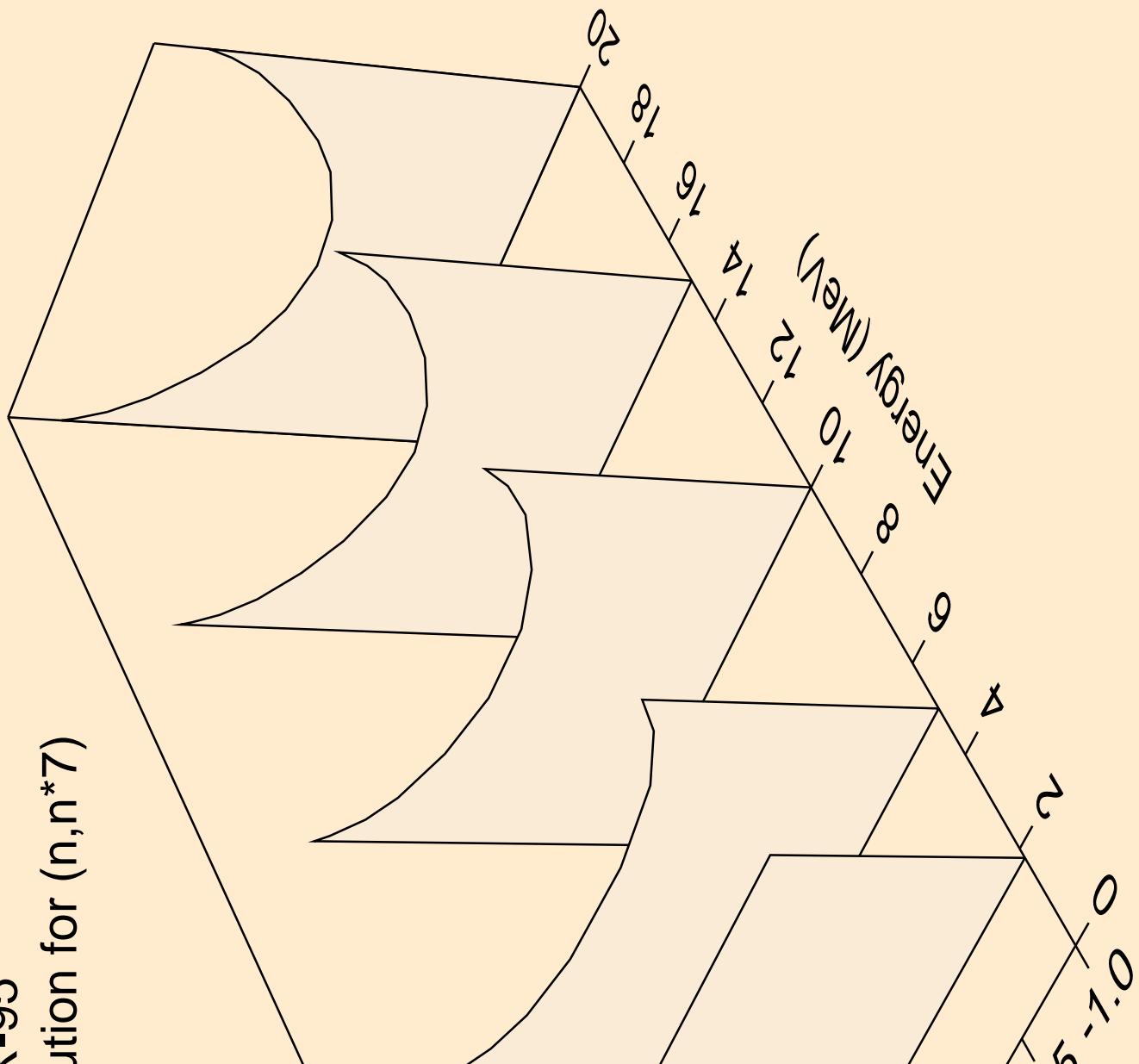
ENDF/B-VII ZR-95

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



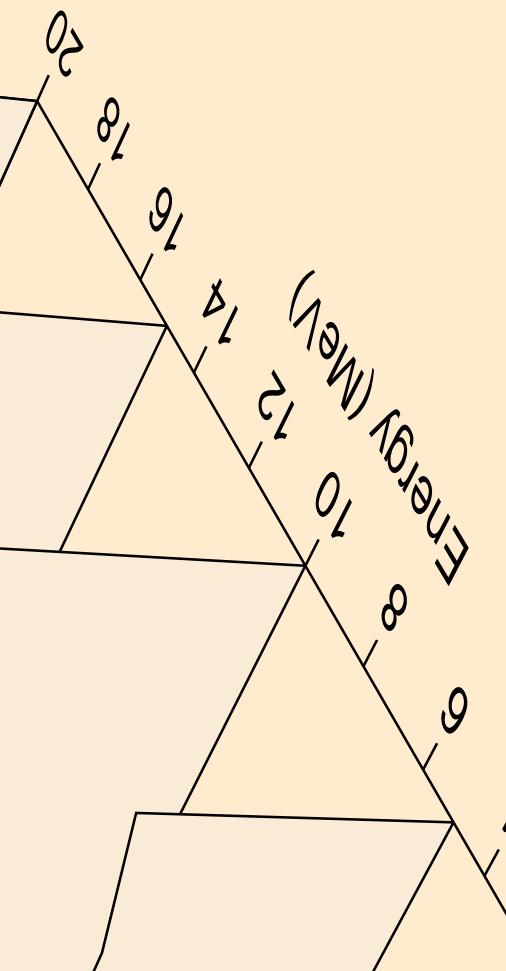
ENDF/B-VII ZR-95

angular distribution for (n,n\*8)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



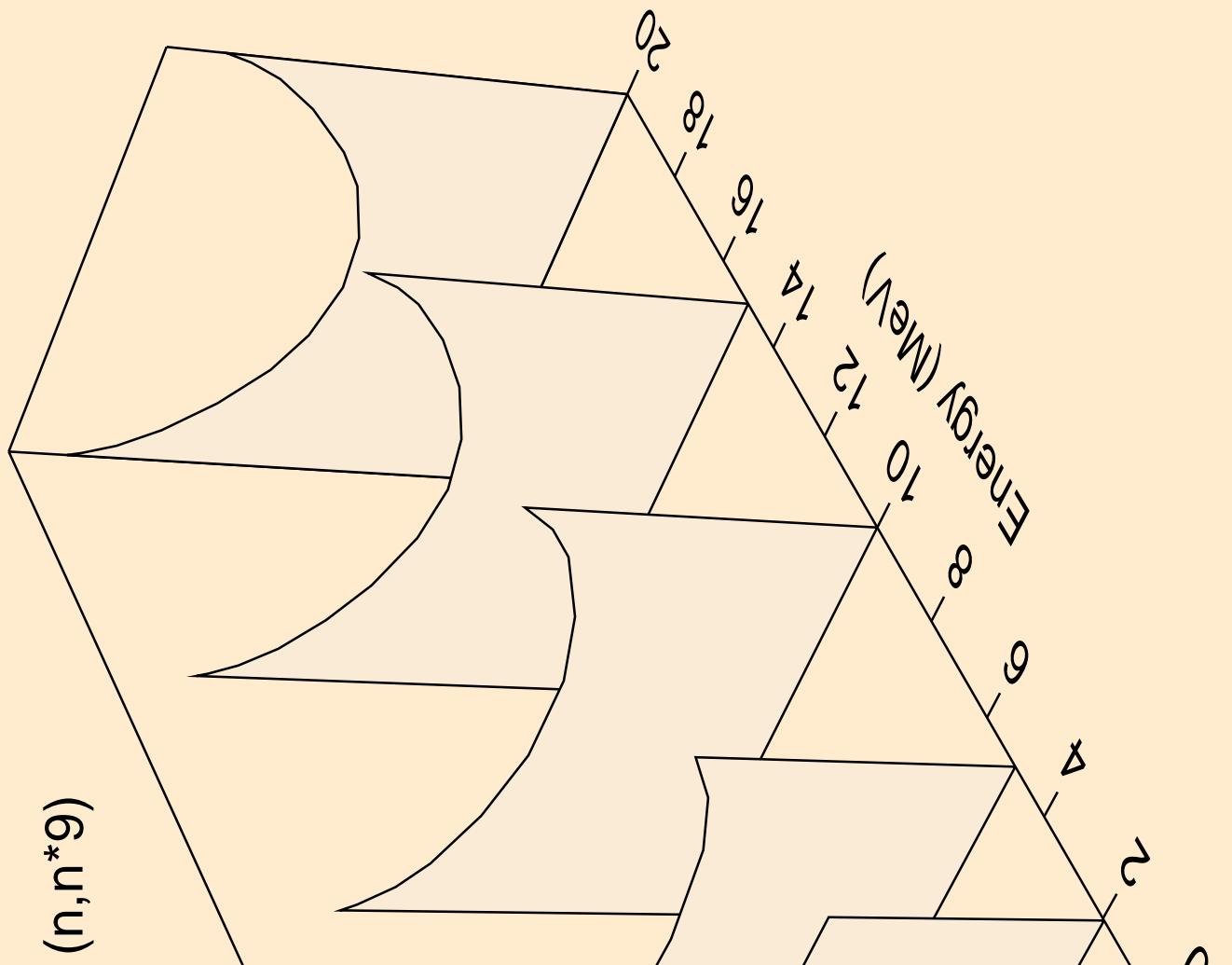
ENDF/B-VII ZR-95

angular distribution for (n,n\*9)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



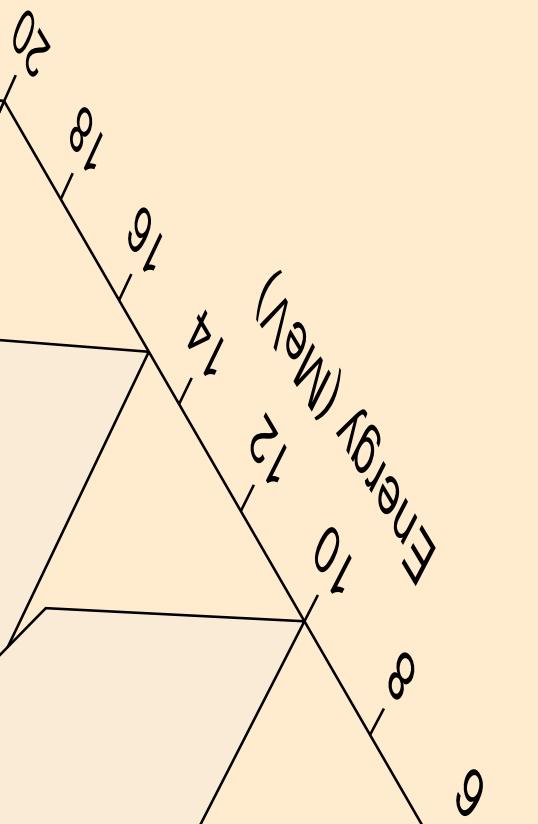
ENDF/B-VII ZR-95

angular distribution for (n,n\*10)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



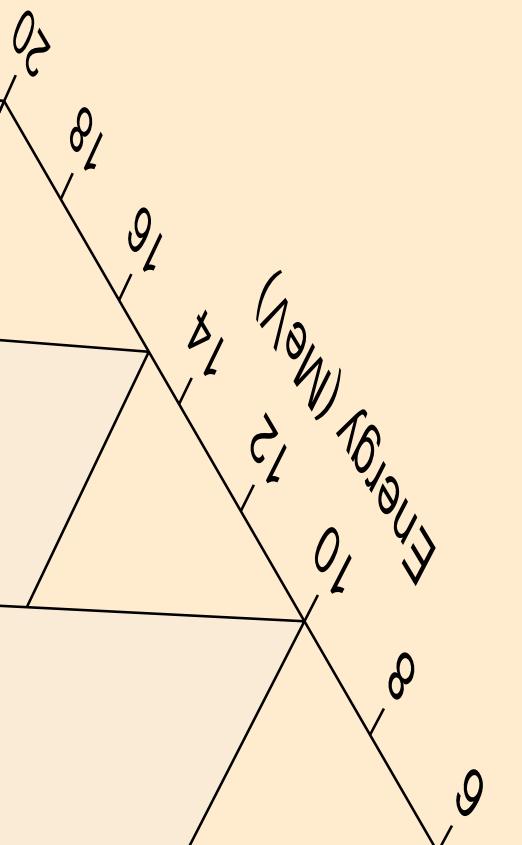
ENDF/B-VII ZR-95

angular distribution for (n,n\*11)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII ZR-95

angular distribution for ( $n,n^*12$ )

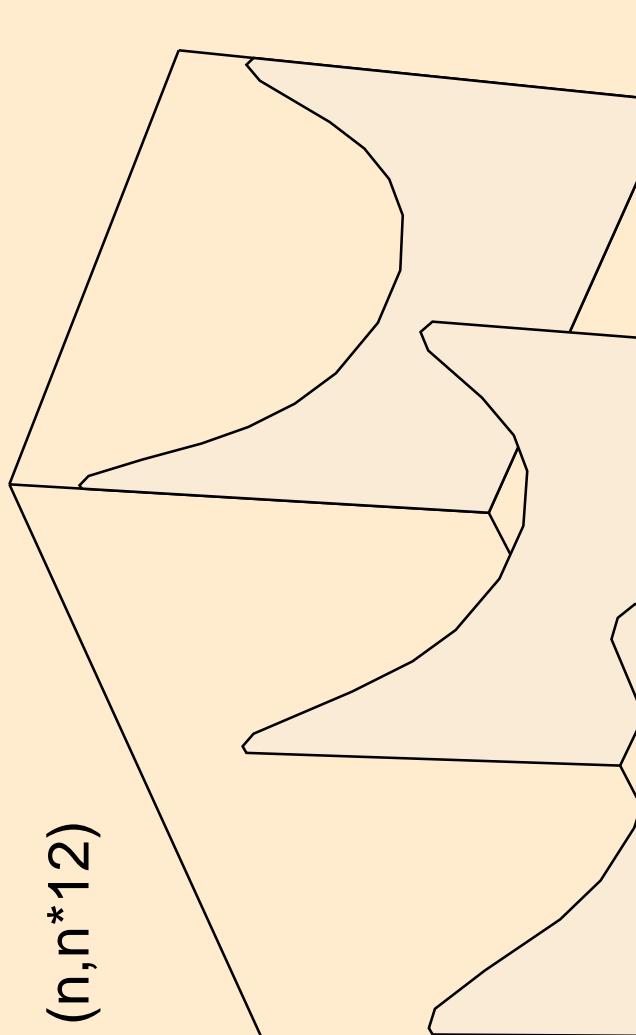
$10^0$

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



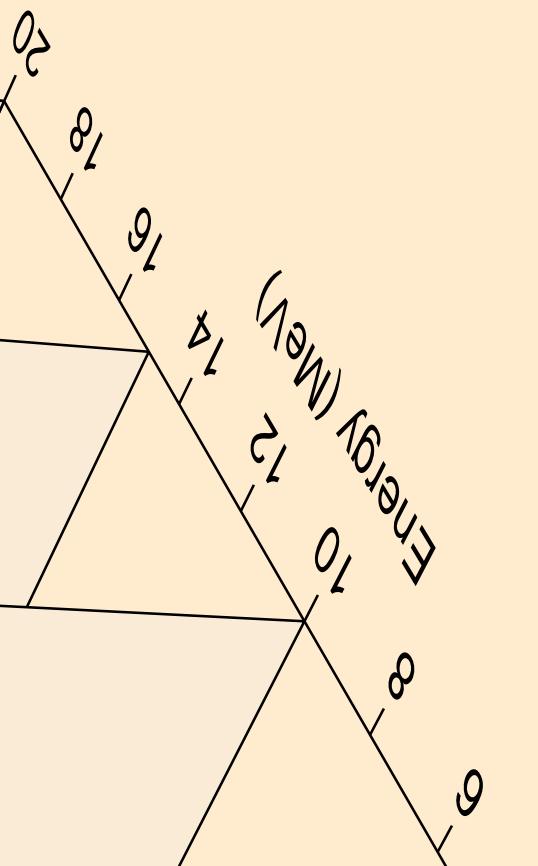
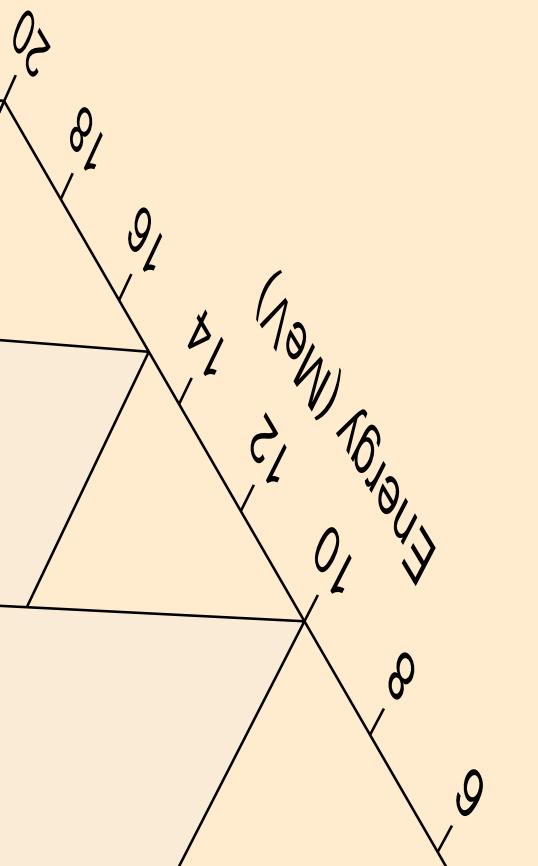
ENDF/B-VII ZR-95

angular distribution for (n,n\*13)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII ZR-95

angular distribution for (n,n\*14)

$10^0$

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 ZR-95

angular distribution for (n,n\*15)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

8

10

12

14

16

20

ENDF/B-VII ZR-95

angular distribution for (n,n\*16)

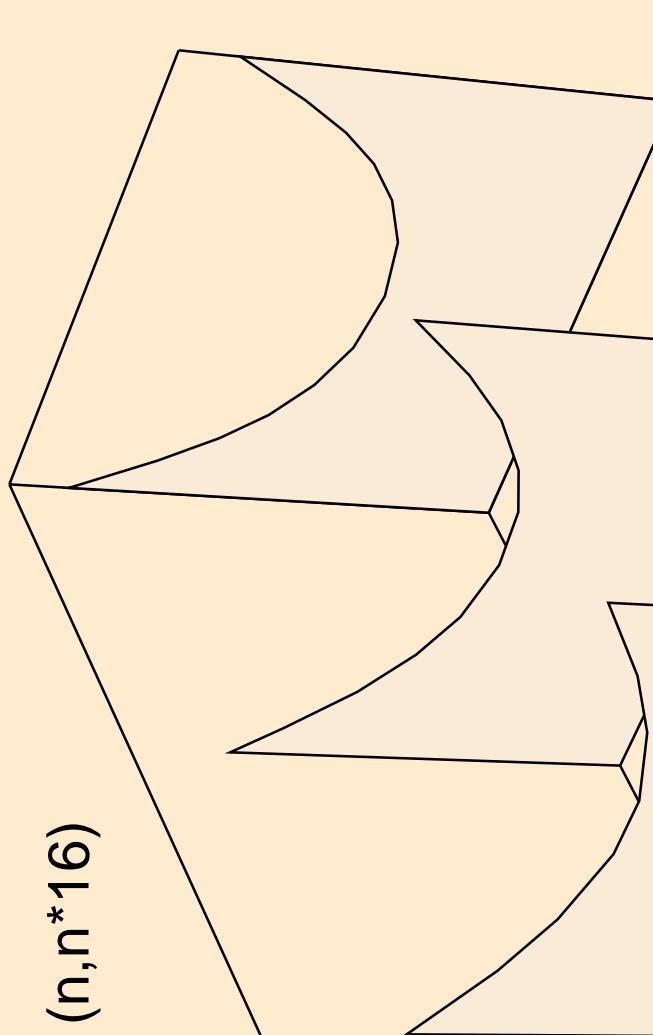
$10^0$

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 ZR-95

angular distribution for (n,n\*17)

$10^0$

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 ZR-95

angular distribution for  $(n,n^*18)$

$10^0$

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 ZR-95

angular distribution for (n,n\*19)

$10^0$

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 ZR-95

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

$10^0$

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 ZR-95

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

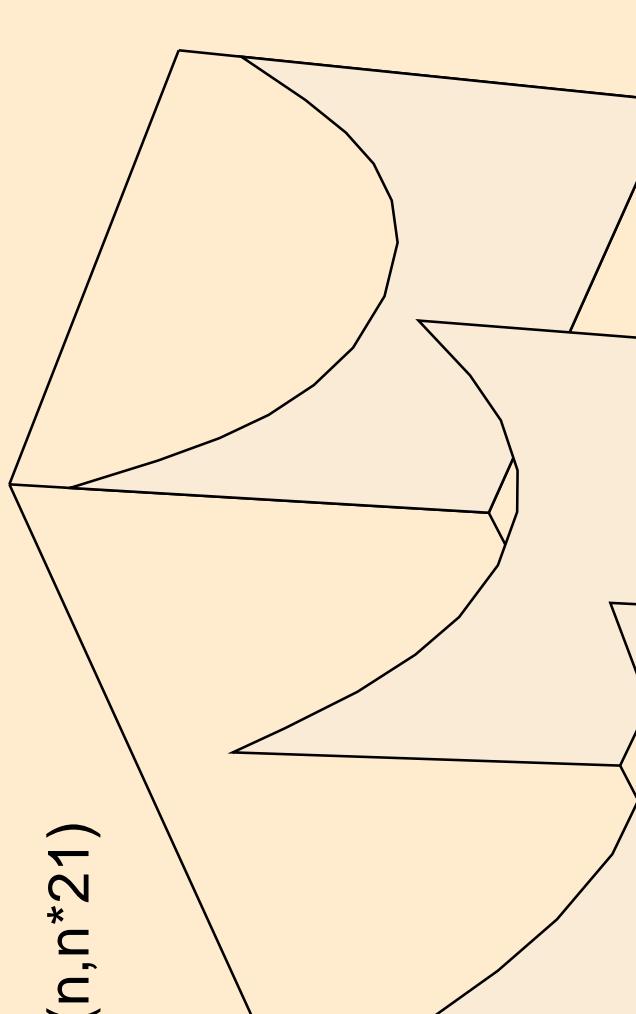
$10^0$

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 ZR-95

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

$10^0$

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 ZR-95

angular distribution for ( $n,n^*23$ )

$10^0$

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 ZR-95

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

8

10

12

14

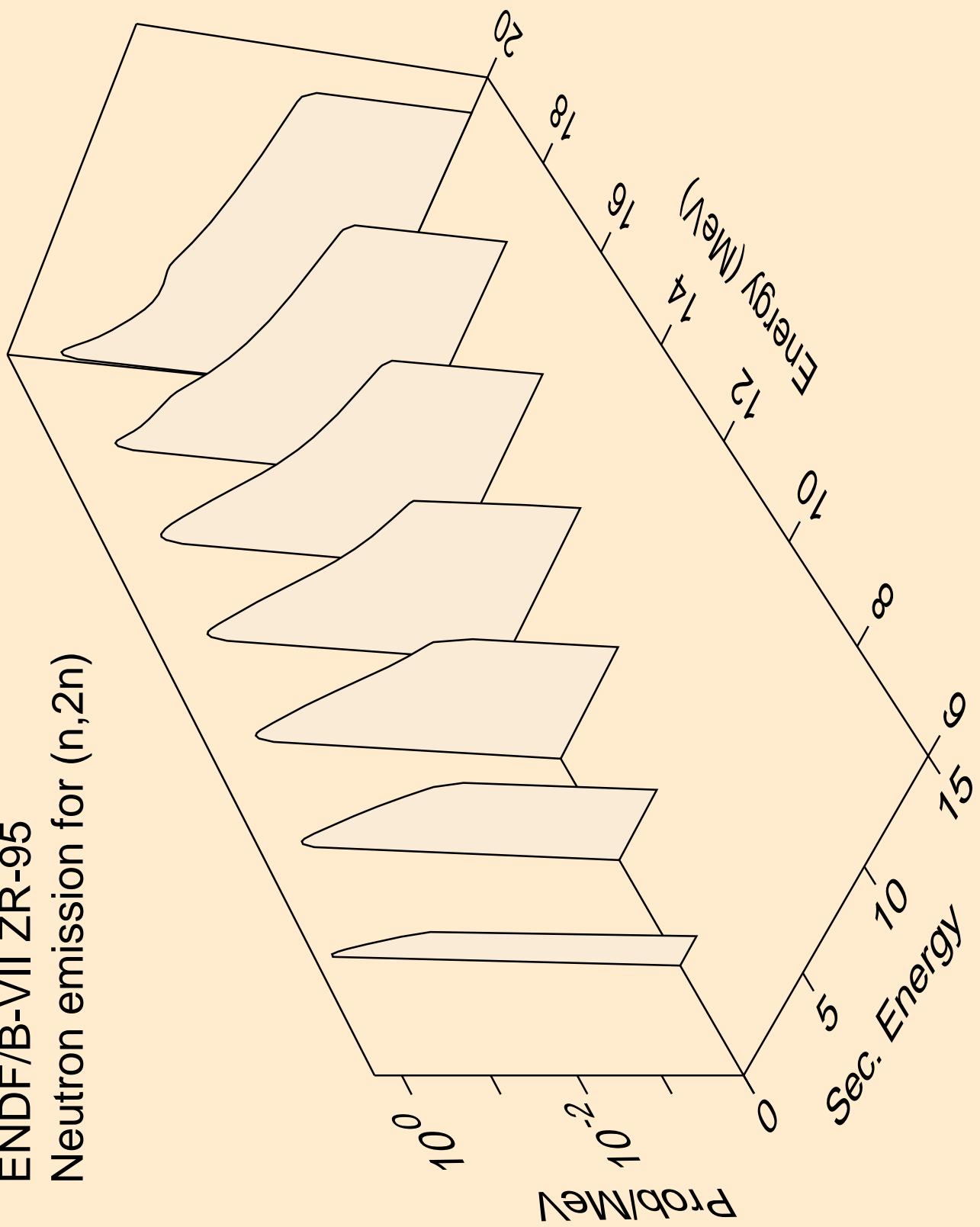
16

18

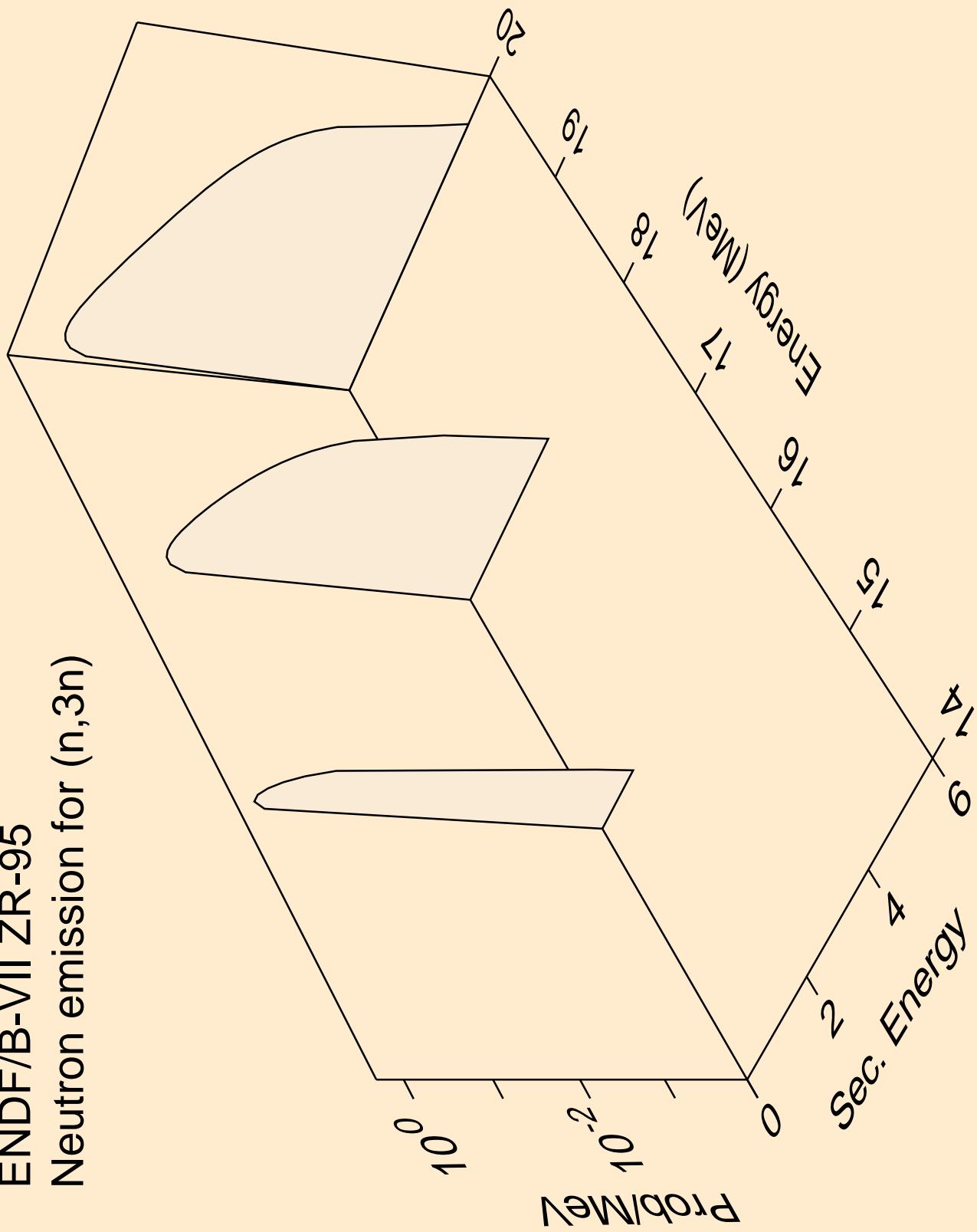
20

ENDF/B-VII ZR-95

Neutron emission for  $(n,2n)$

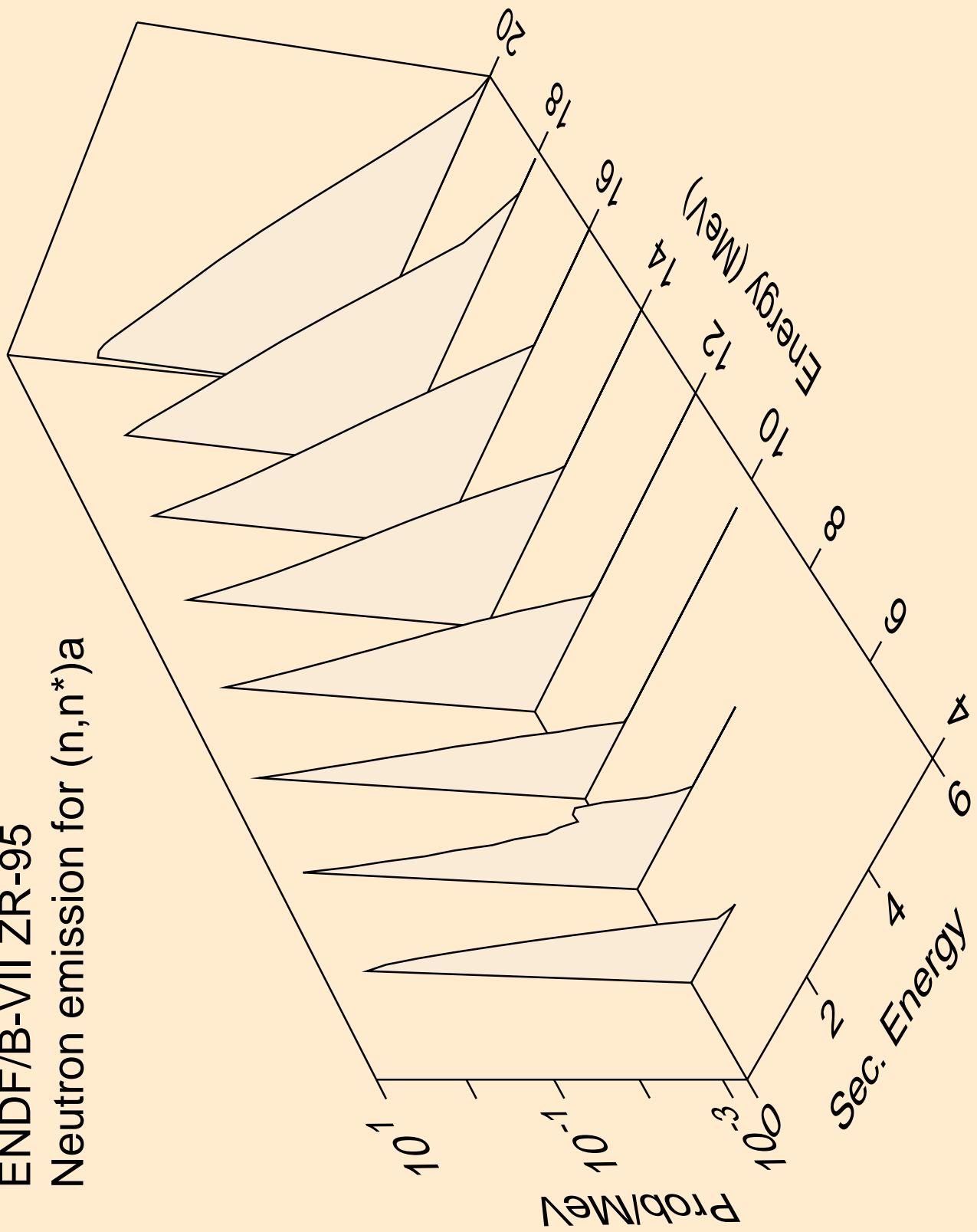


ENDF/B-VII ZR-95  
Neutron emission for  $(n,3n)$



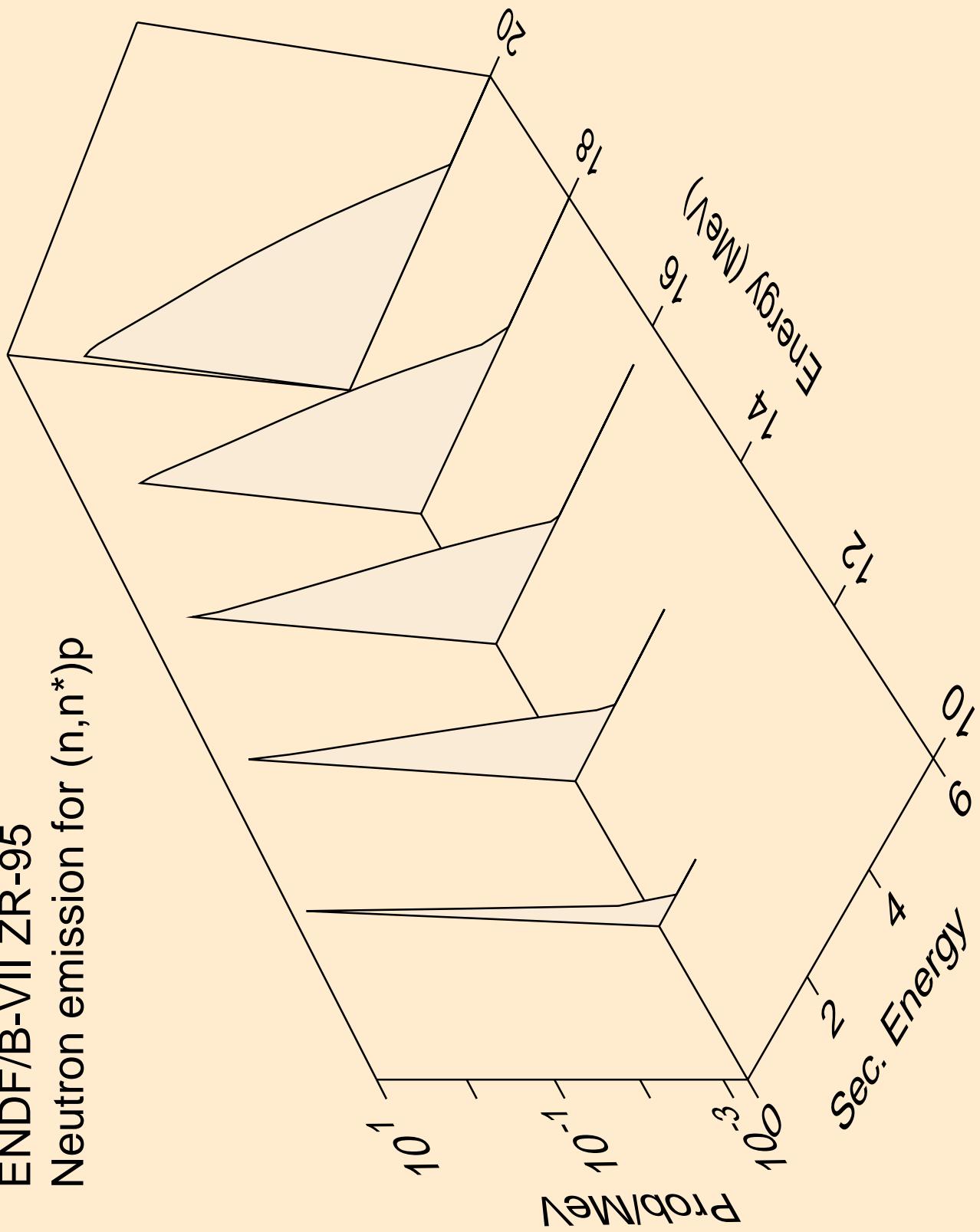
ENDF/B-VII ZR-95

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



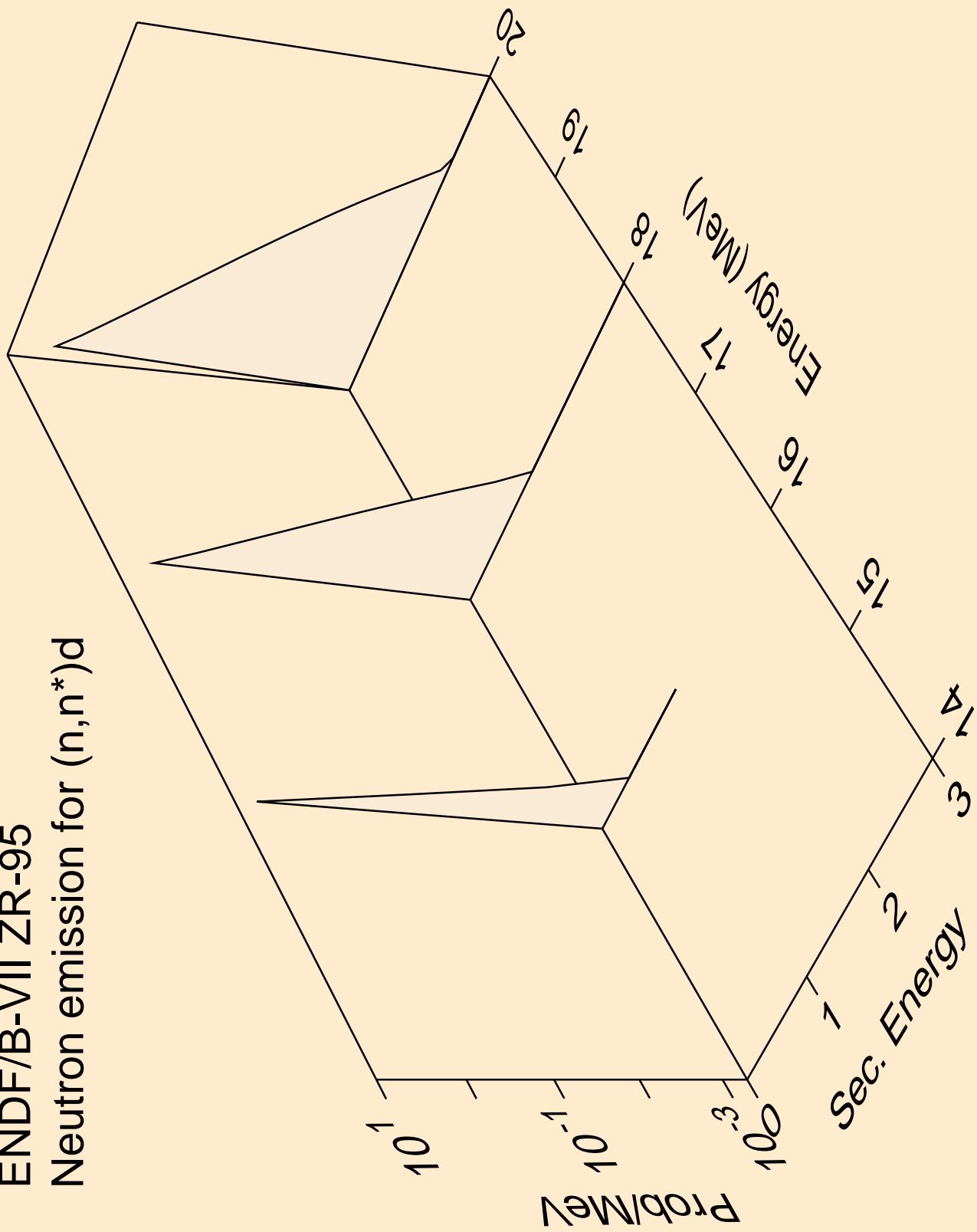
ENDF/B-VII ZR-95

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



ENDF/B-VII ZR-95

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



ENDF/B-VII ZR-95

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

