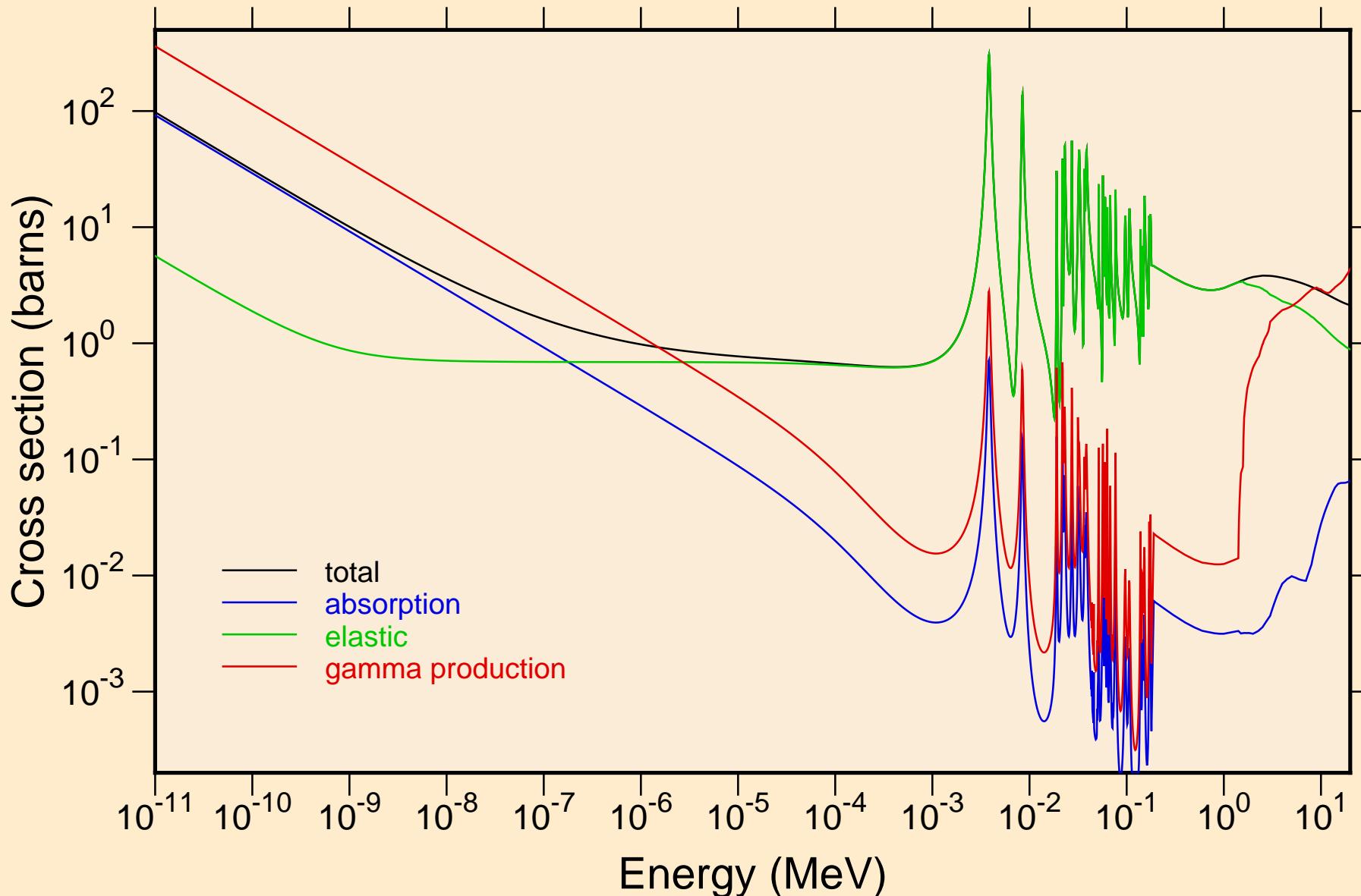
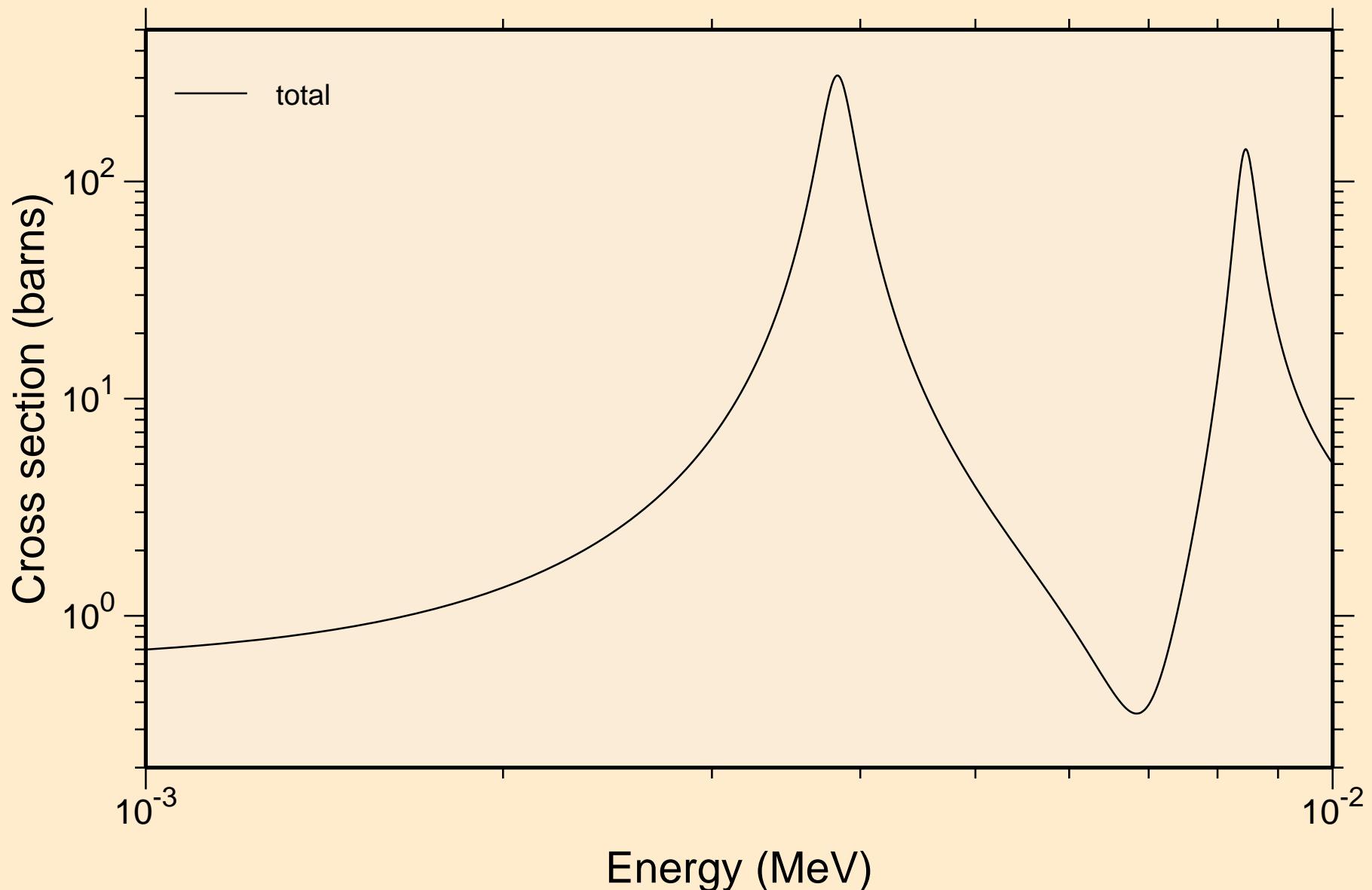


# ENDF/B-VII TI-49

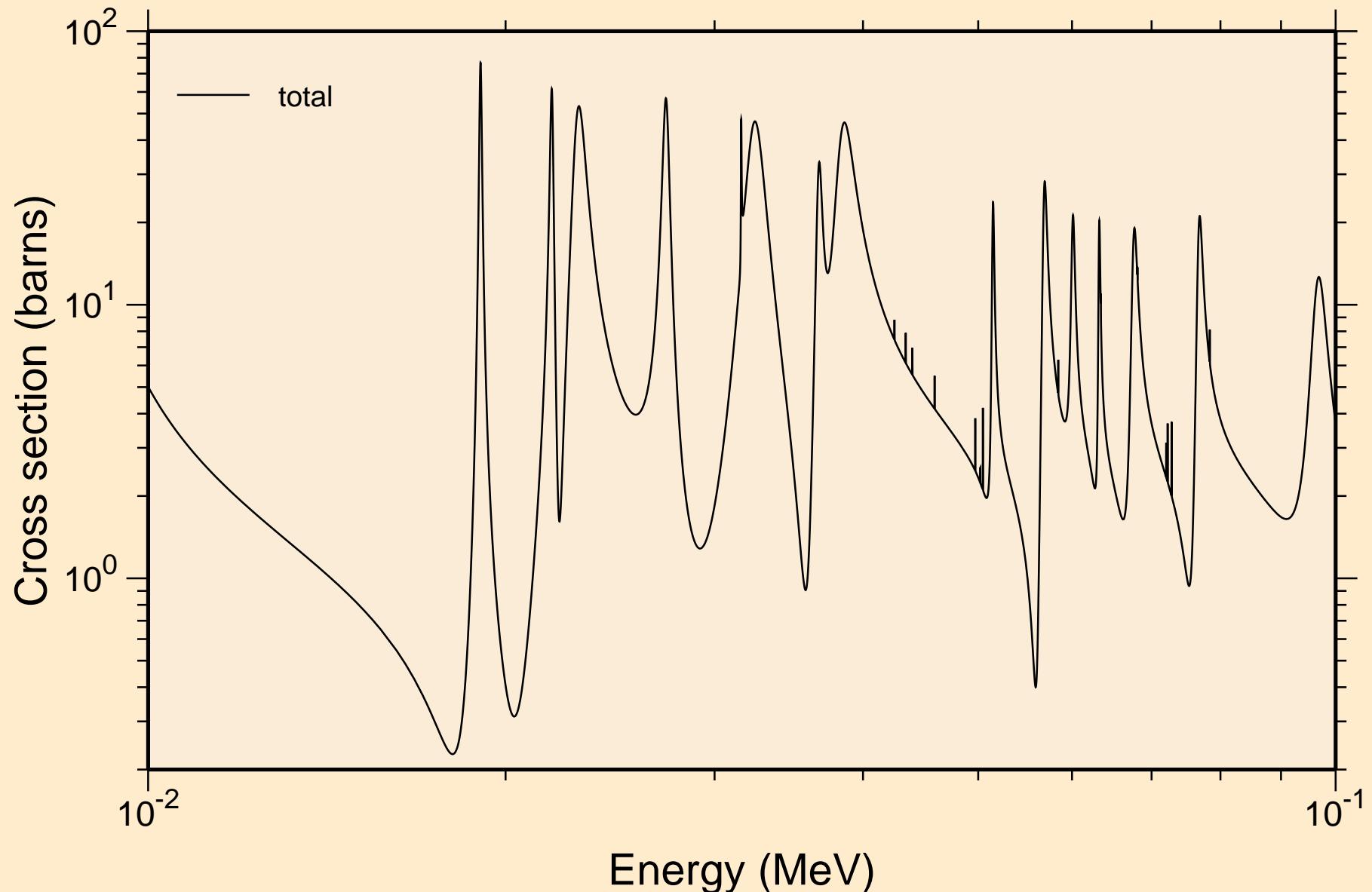
## Principal cross sections



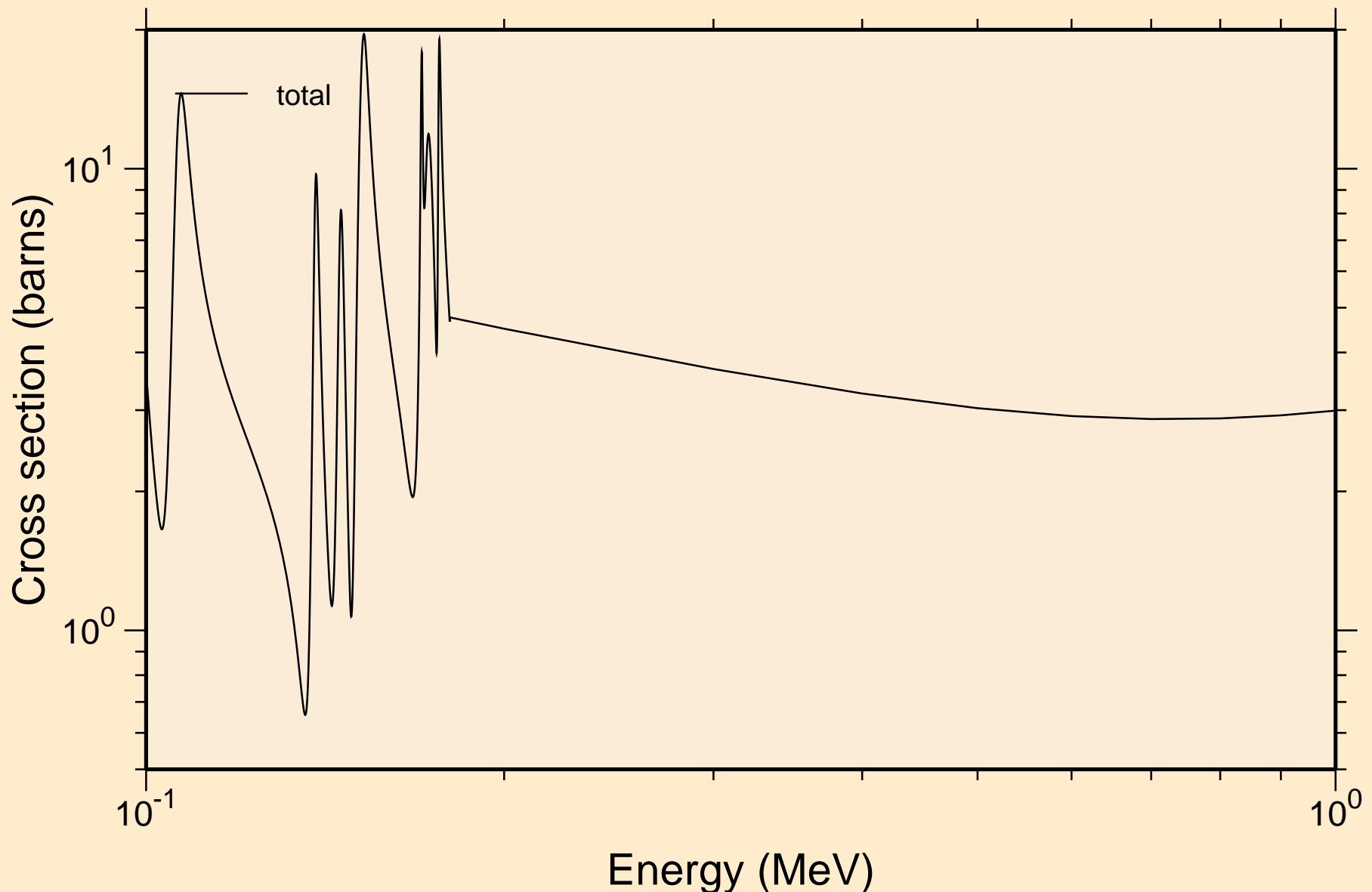
ENDF/B-VII TI-49  
resonance total cross section



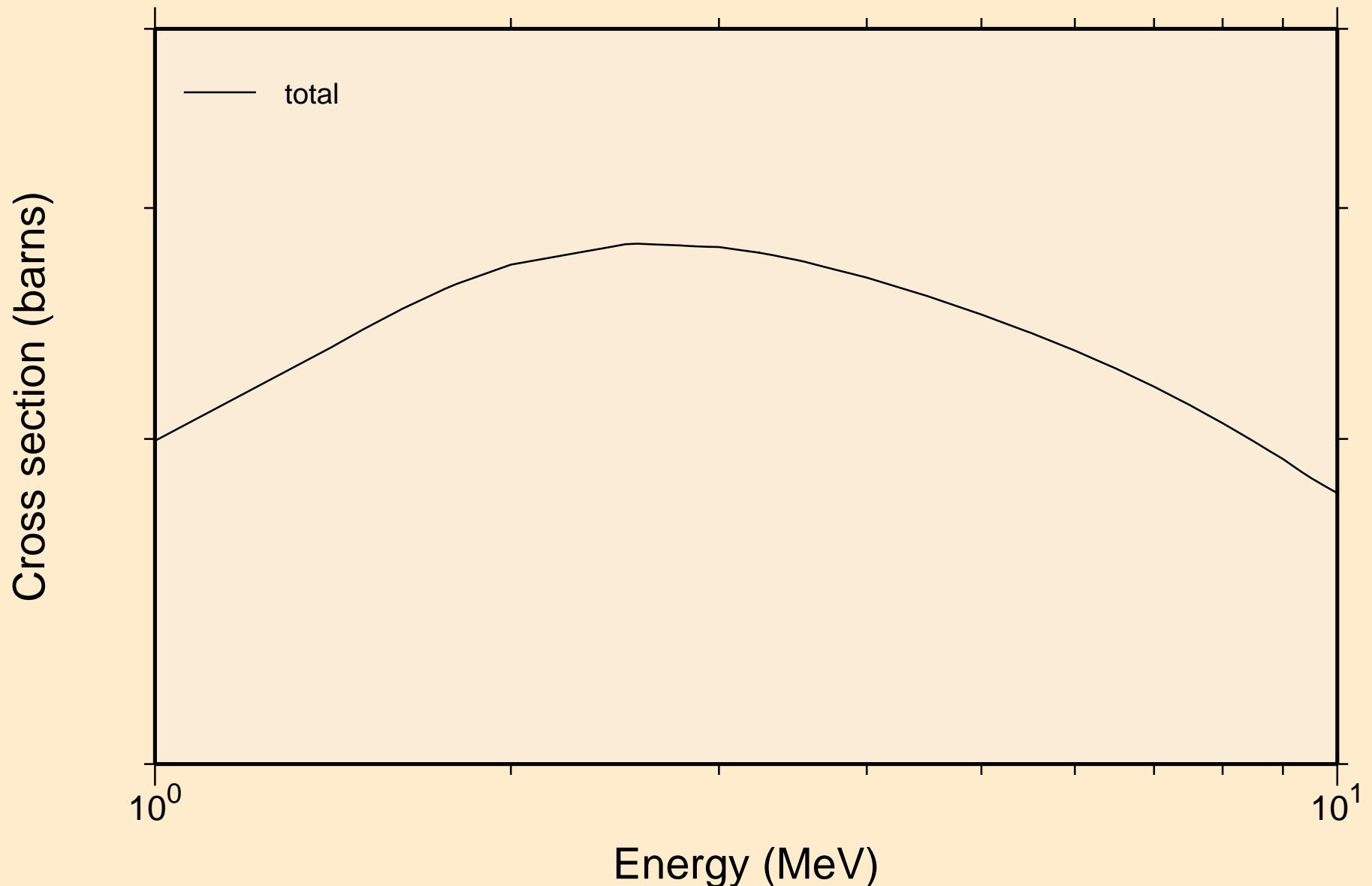
ENDF/B-VII TI-49  
resonance total cross section



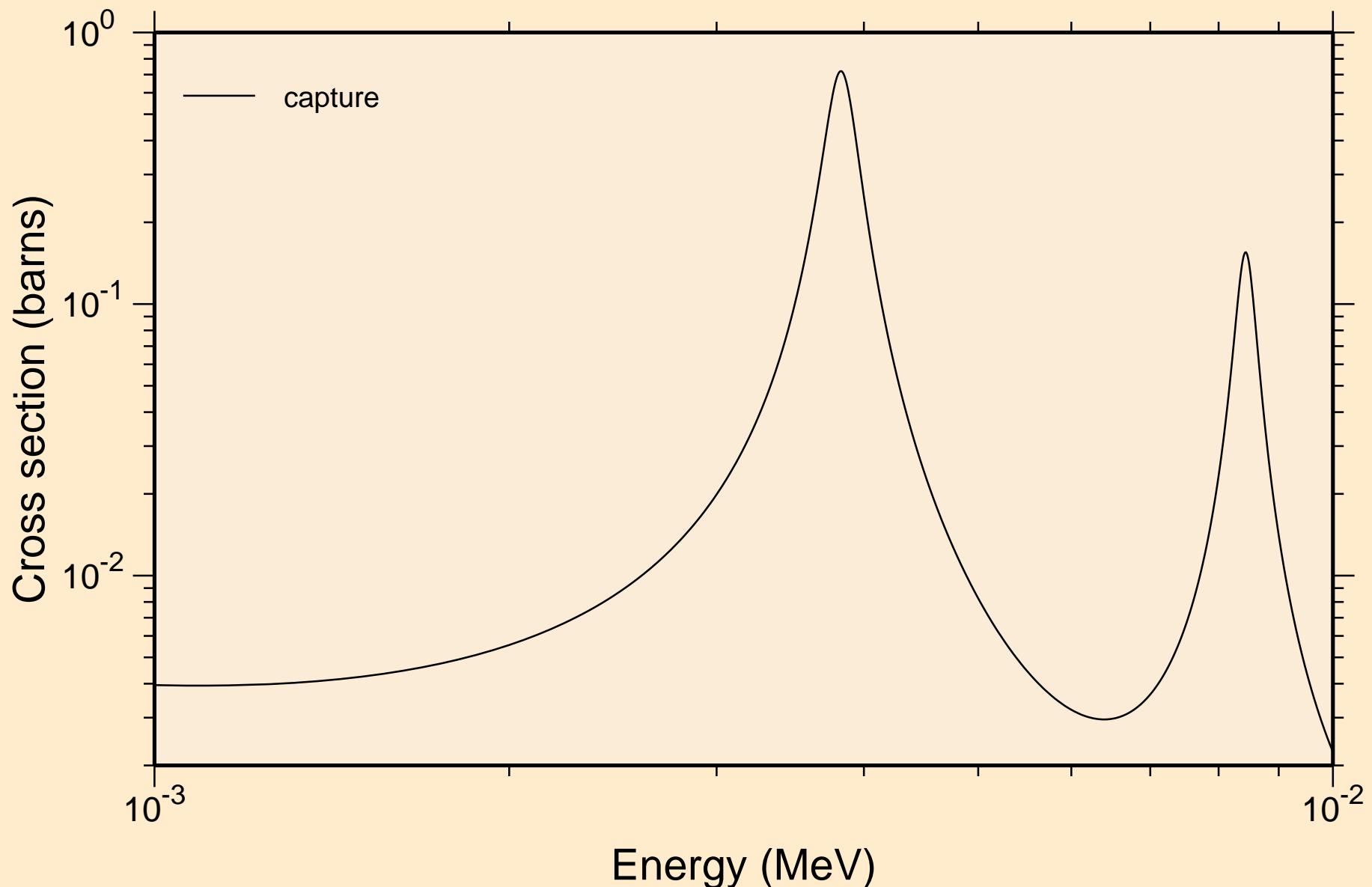
ENDF/B-VII TI-49  
resonance total cross section



ENDF/B-VII TI-49  
resonance total cross section

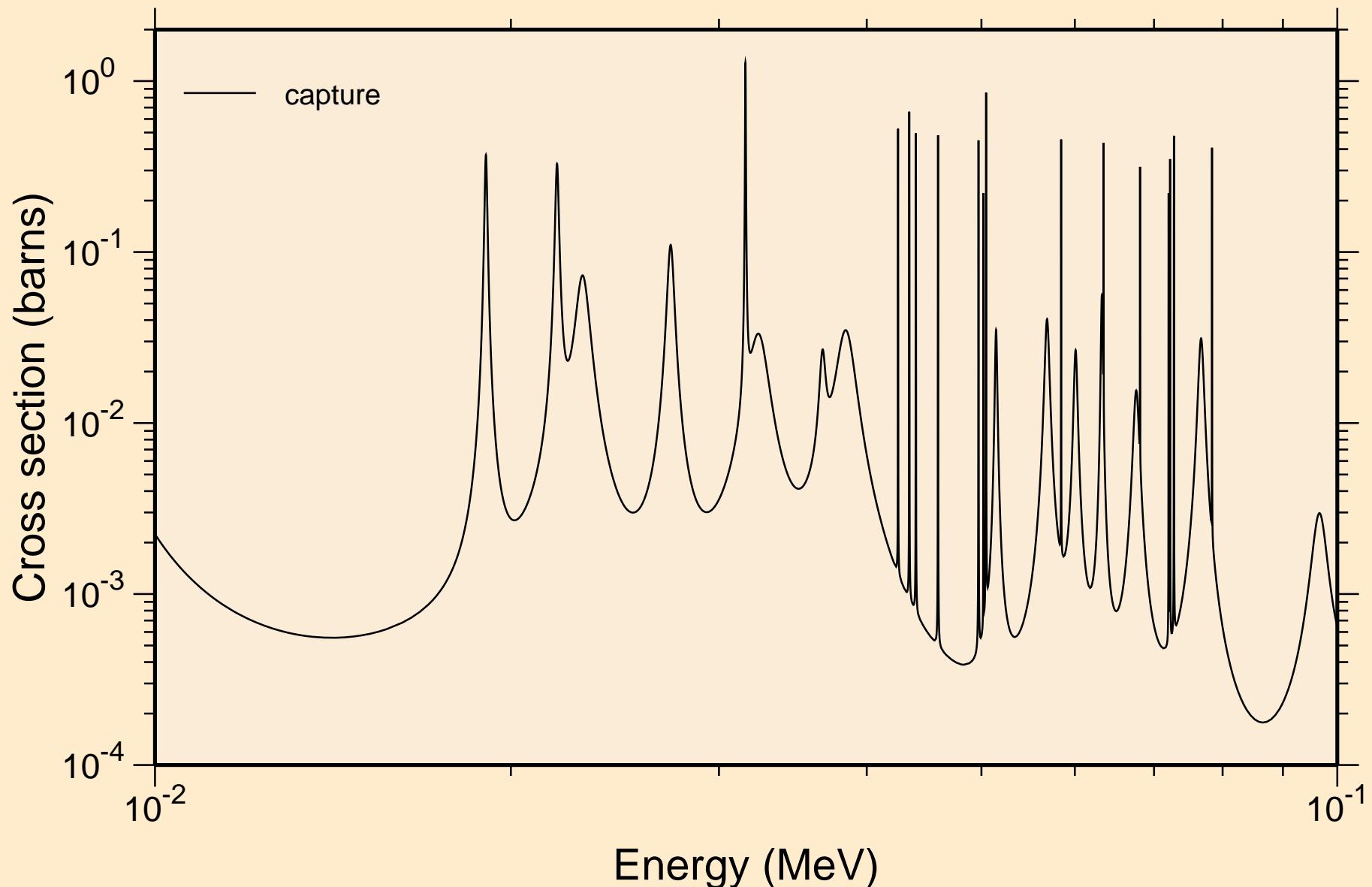


ENDF/B-VII TI-49  
resonance absorption cross sections

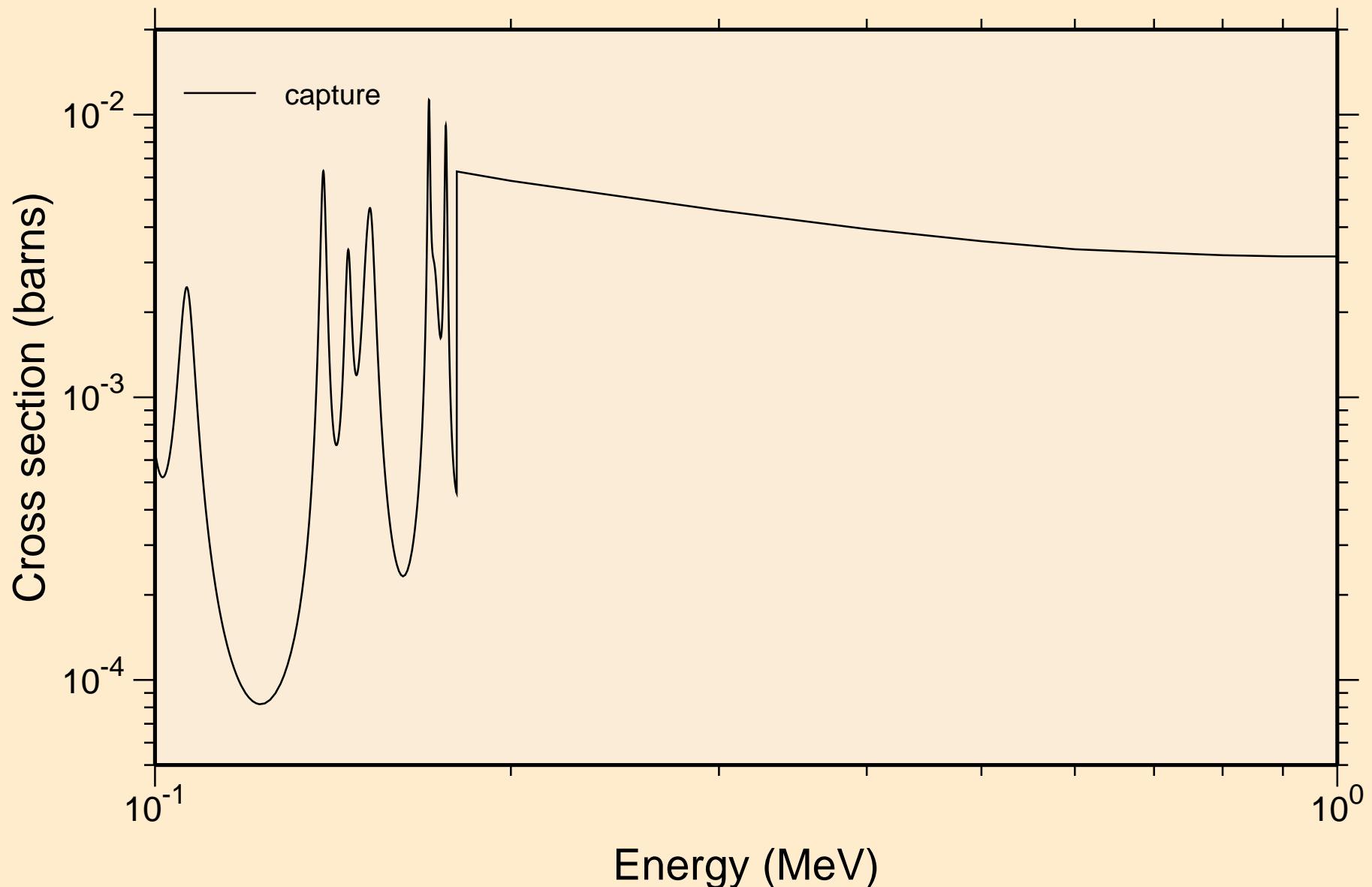


# ENDF/B-VII TI-49

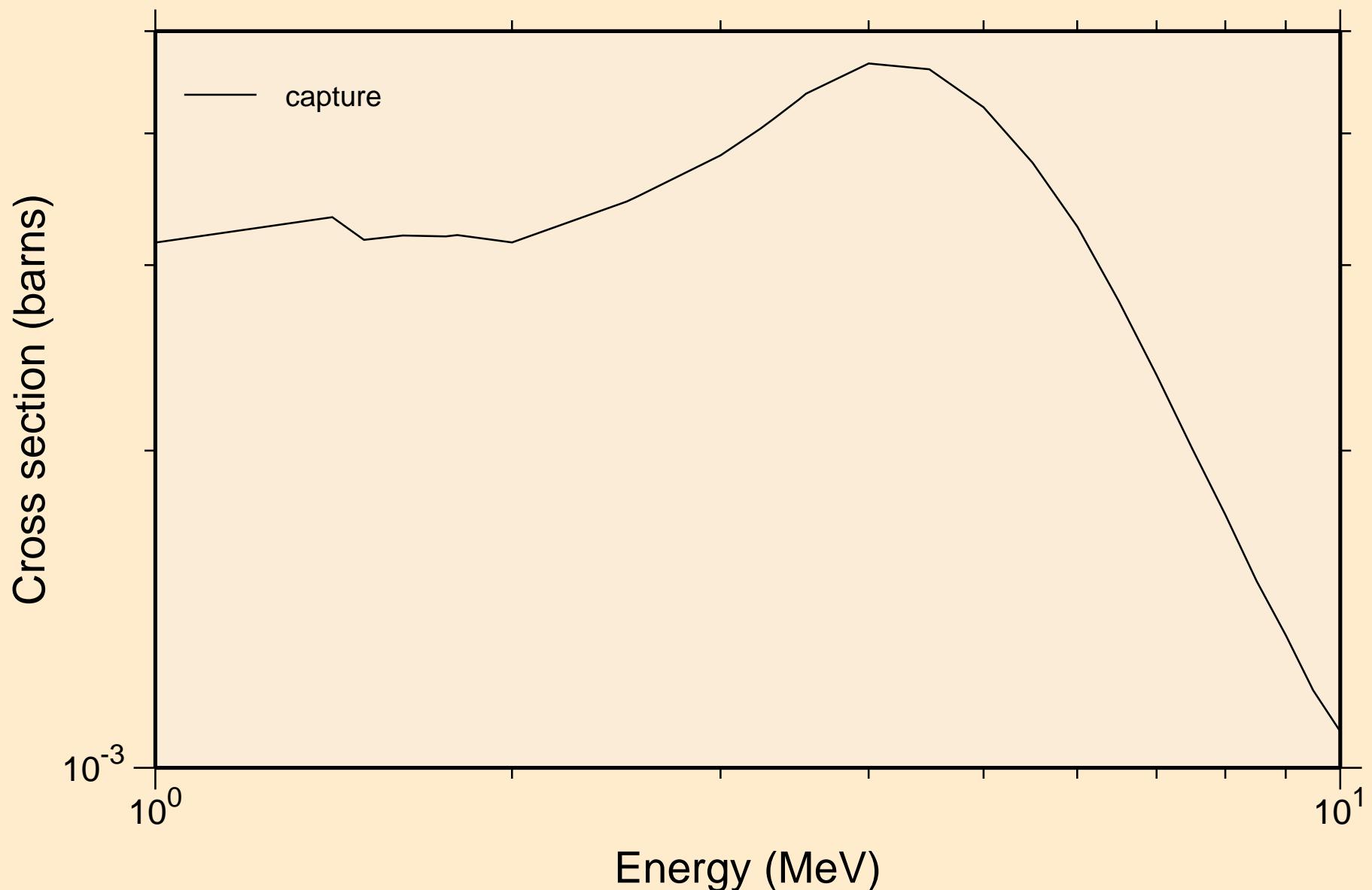
## resonance absorption cross sections



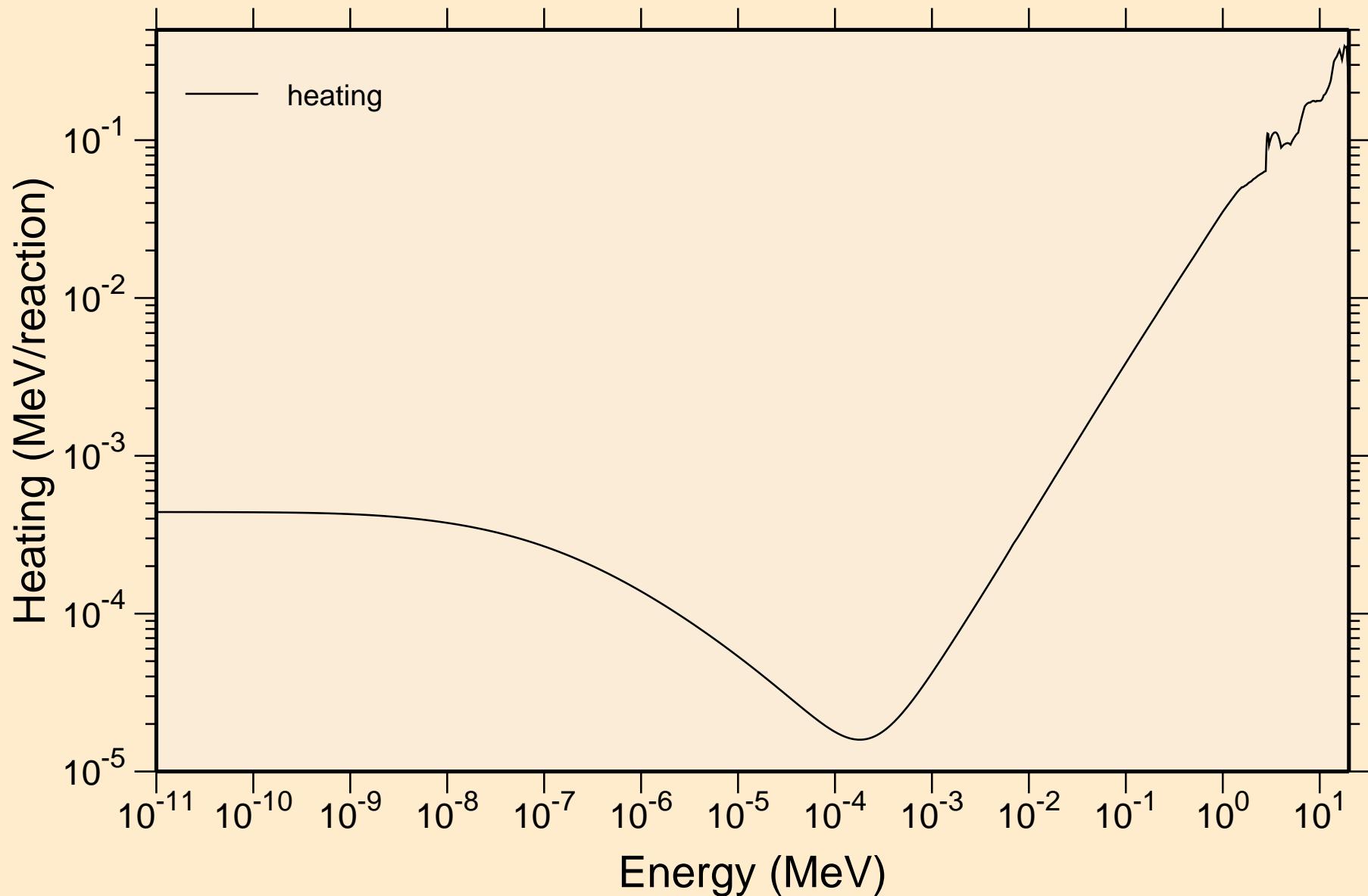
ENDF/B-VII TI-49  
resonance absorption cross sections



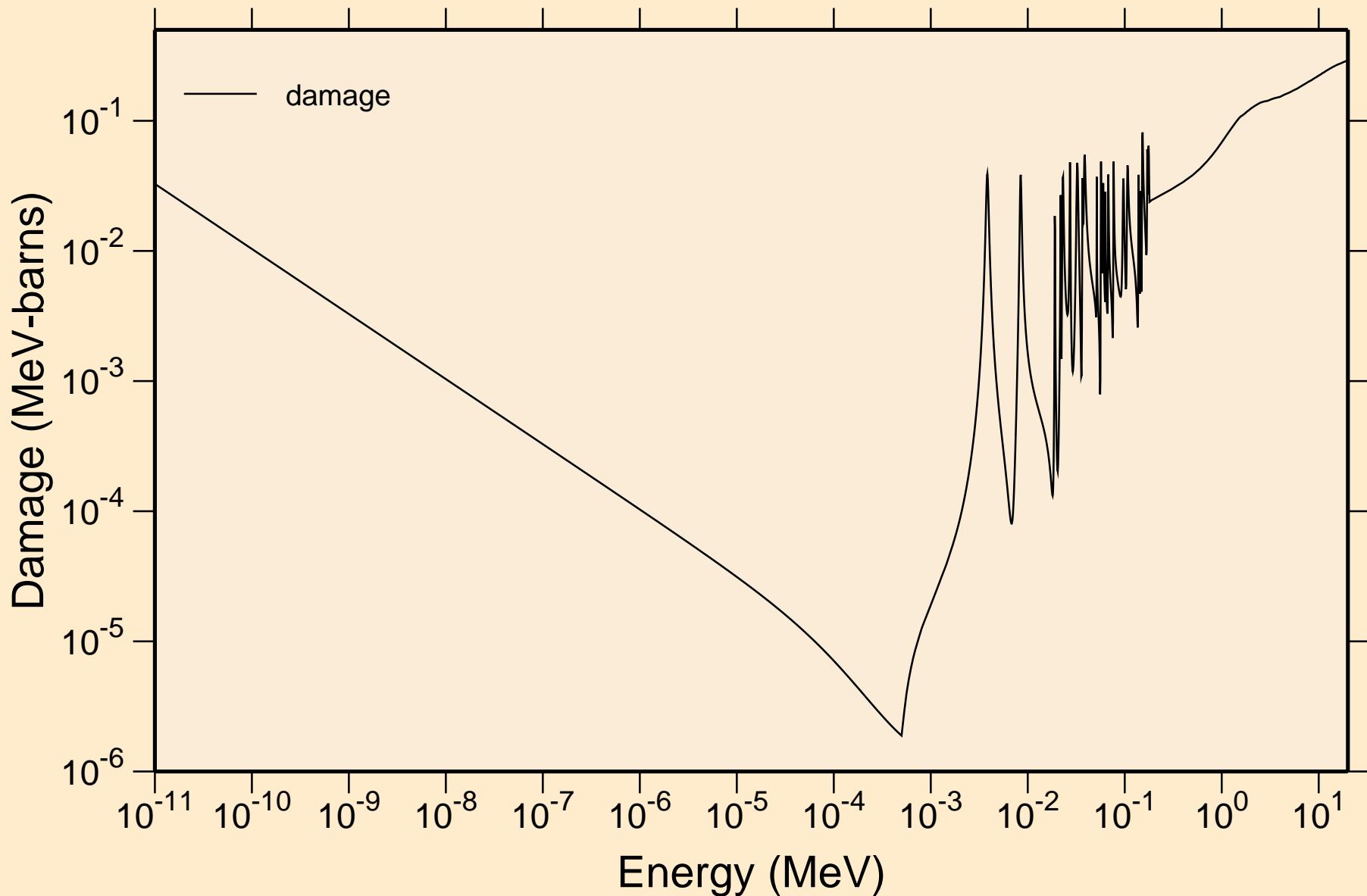
ENDF/B-VII TI-49  
resonance absorption cross sections



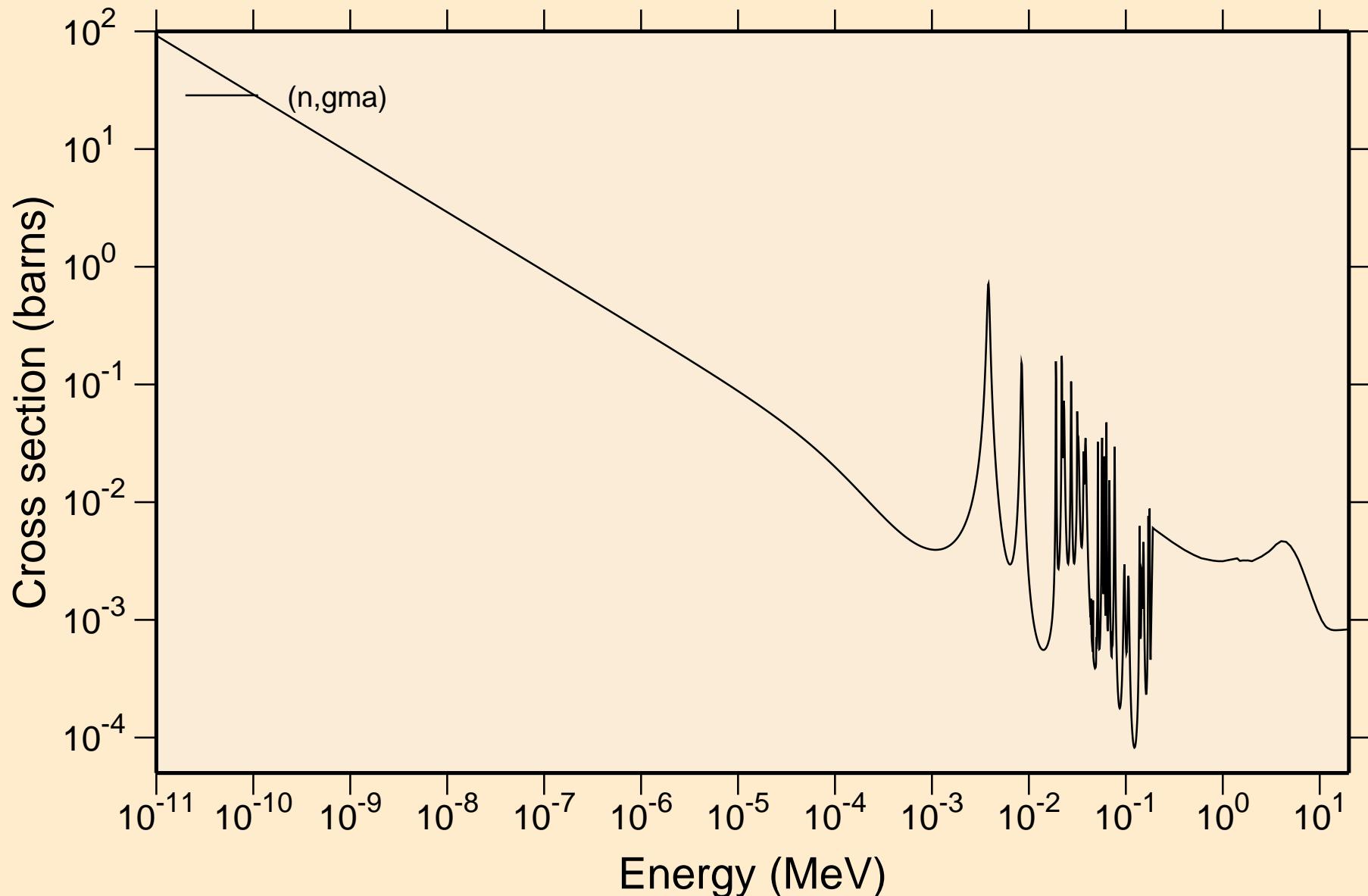
ENDF/B-VII TI-49  
Heating



ENDF/B-VII TI-49  
Damage

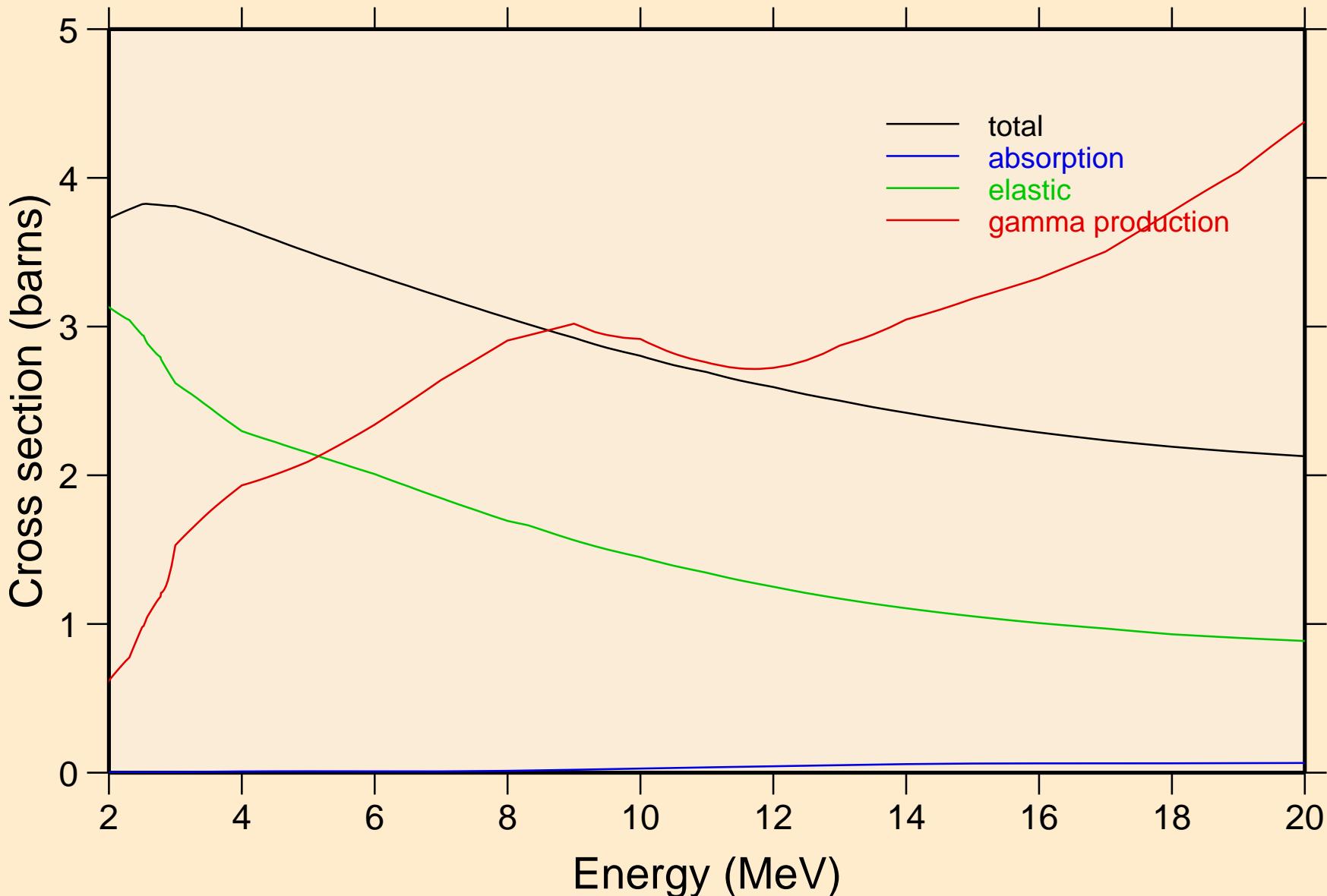


ENDF/B-VII TI-49  
Non-threshold reactions

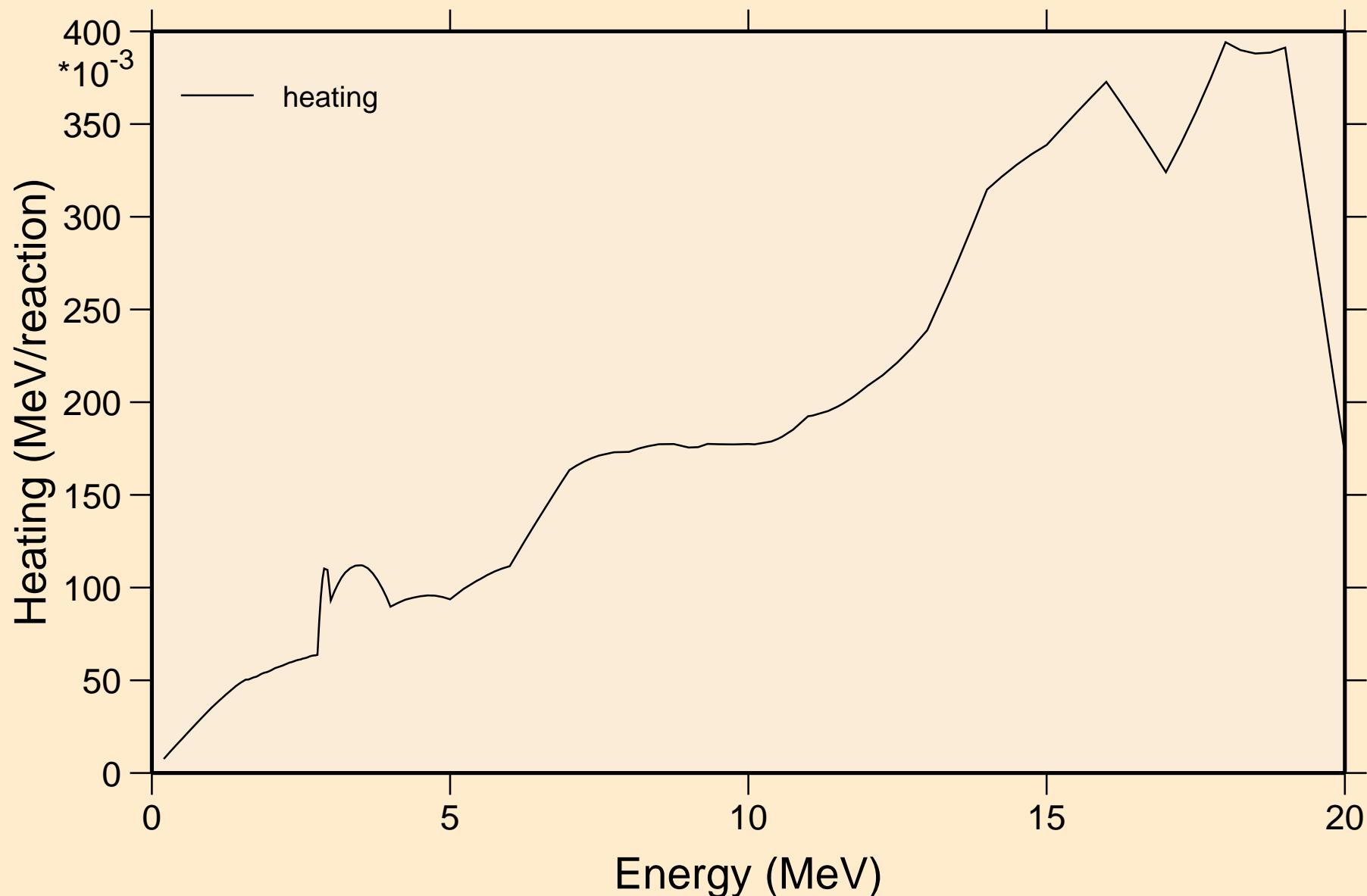


# ENDF/B-VII TI-49

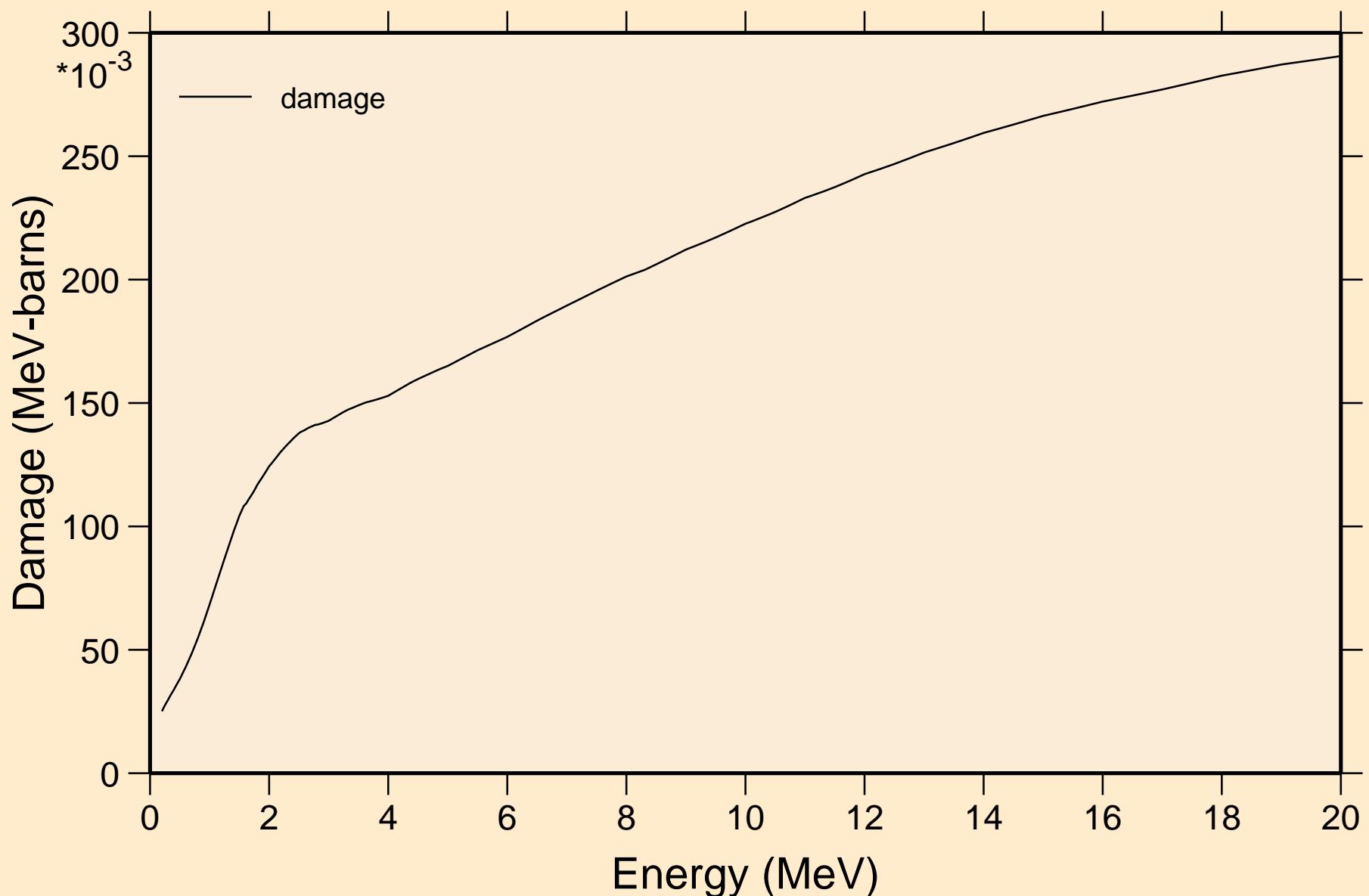
## Principal cross sections



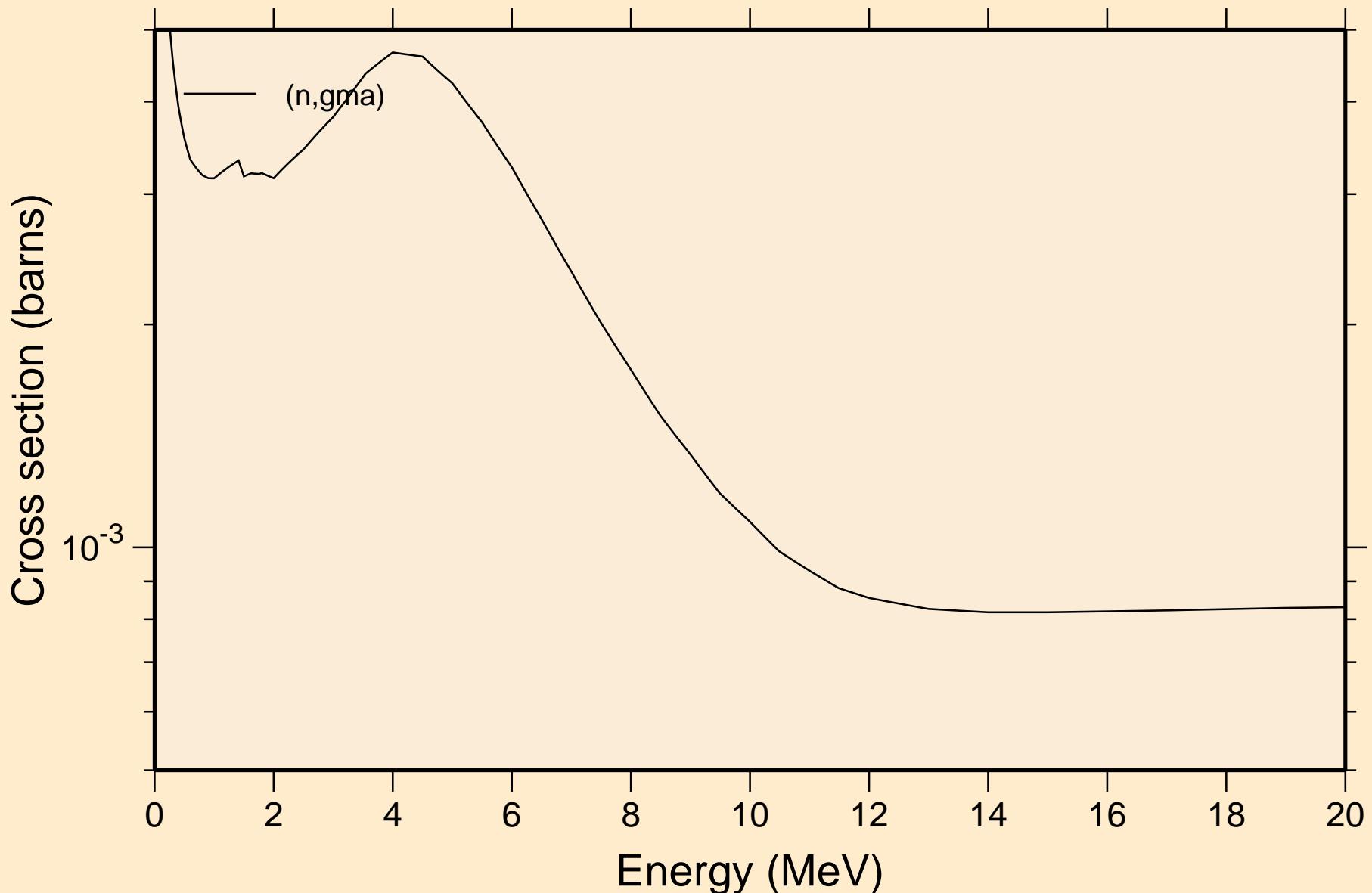
ENDF/B-VII TI-49  
Heating



ENDF/B-VII TI-49  
Damage

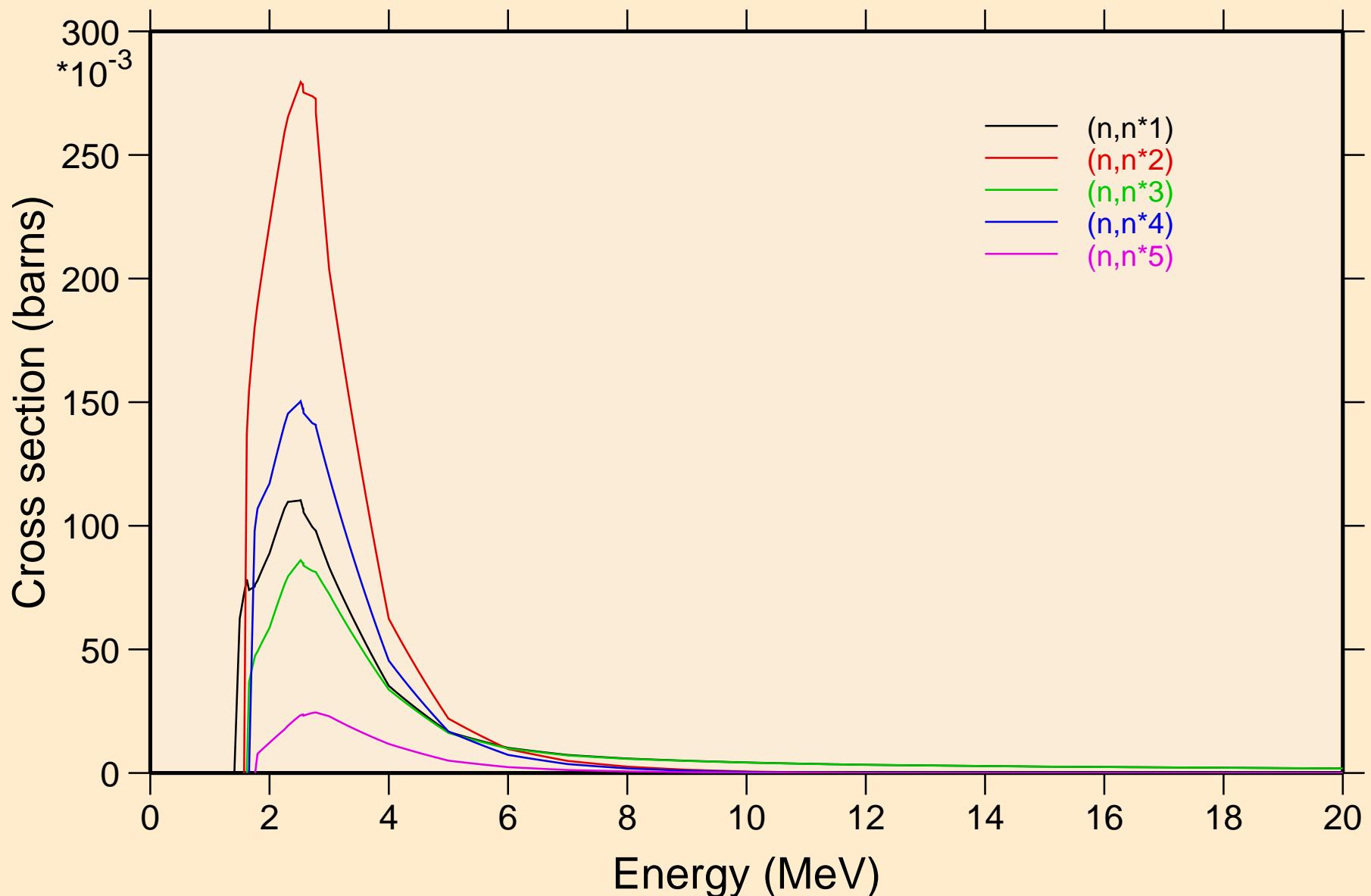


ENDF/B-VII TI-49  
Non-threshold reactions

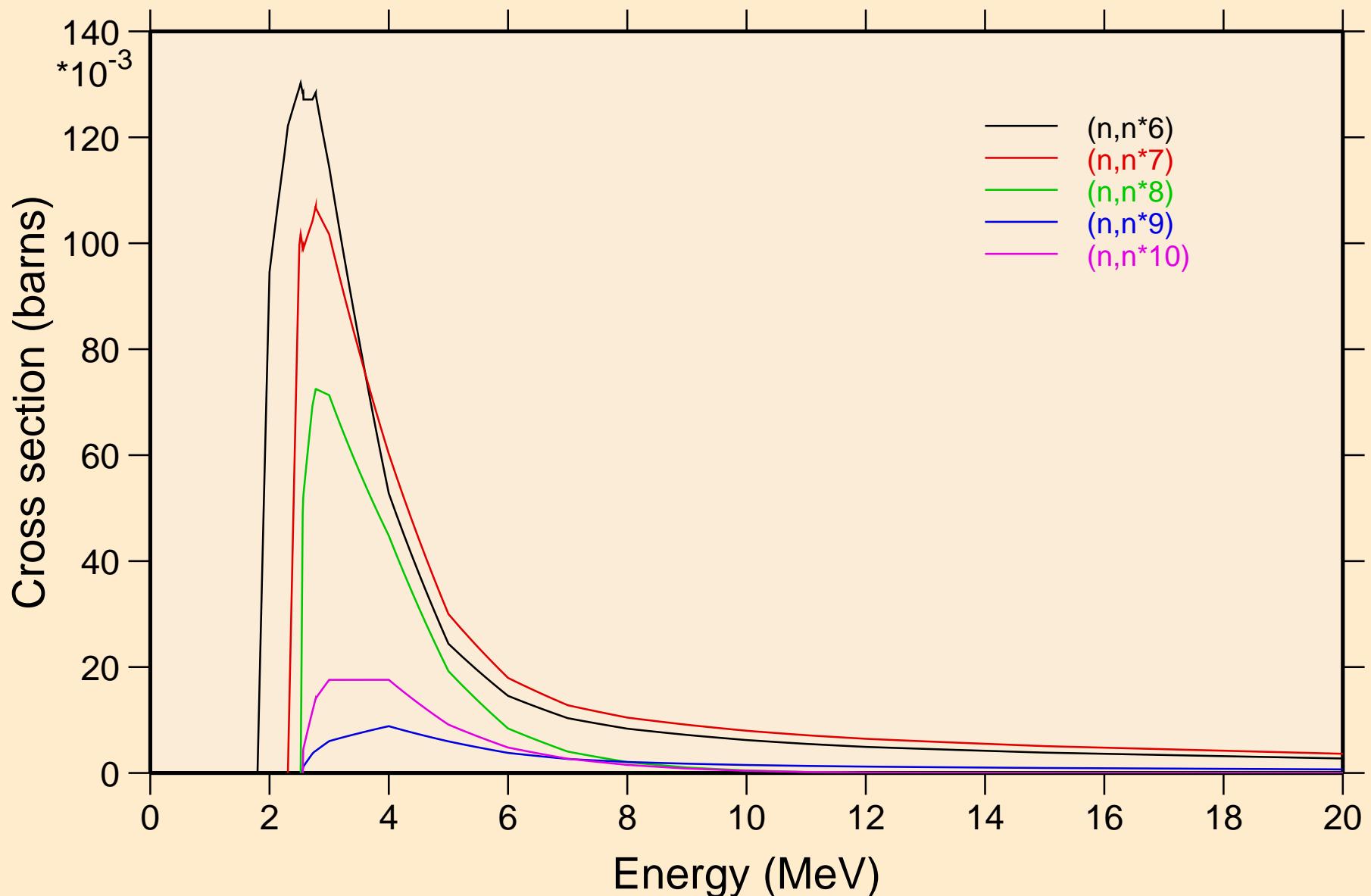


# ENDF/B-VII TI-49

## Inelastic levels

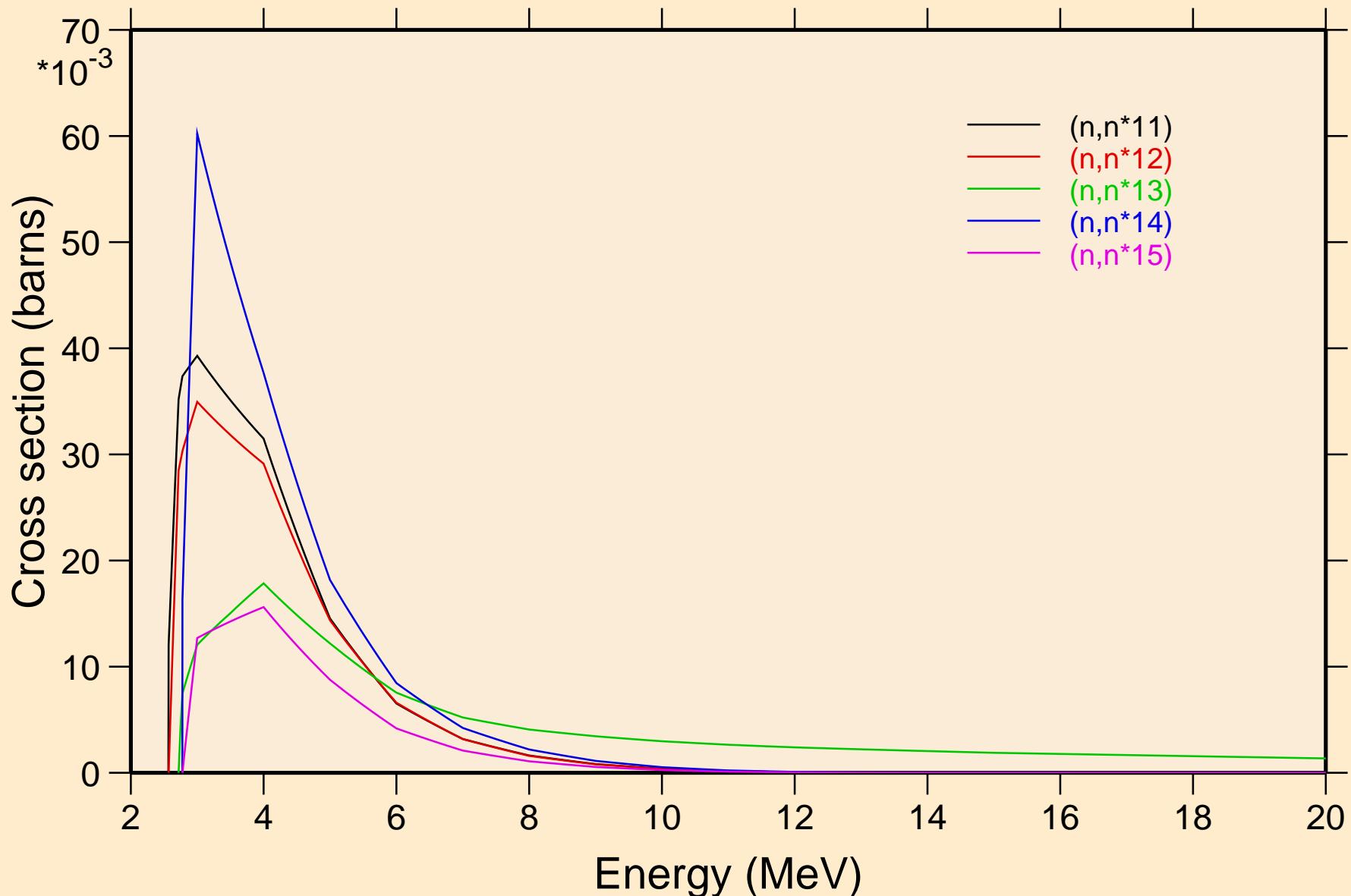


ENDF/B-VII TI-49  
Inelastic levels



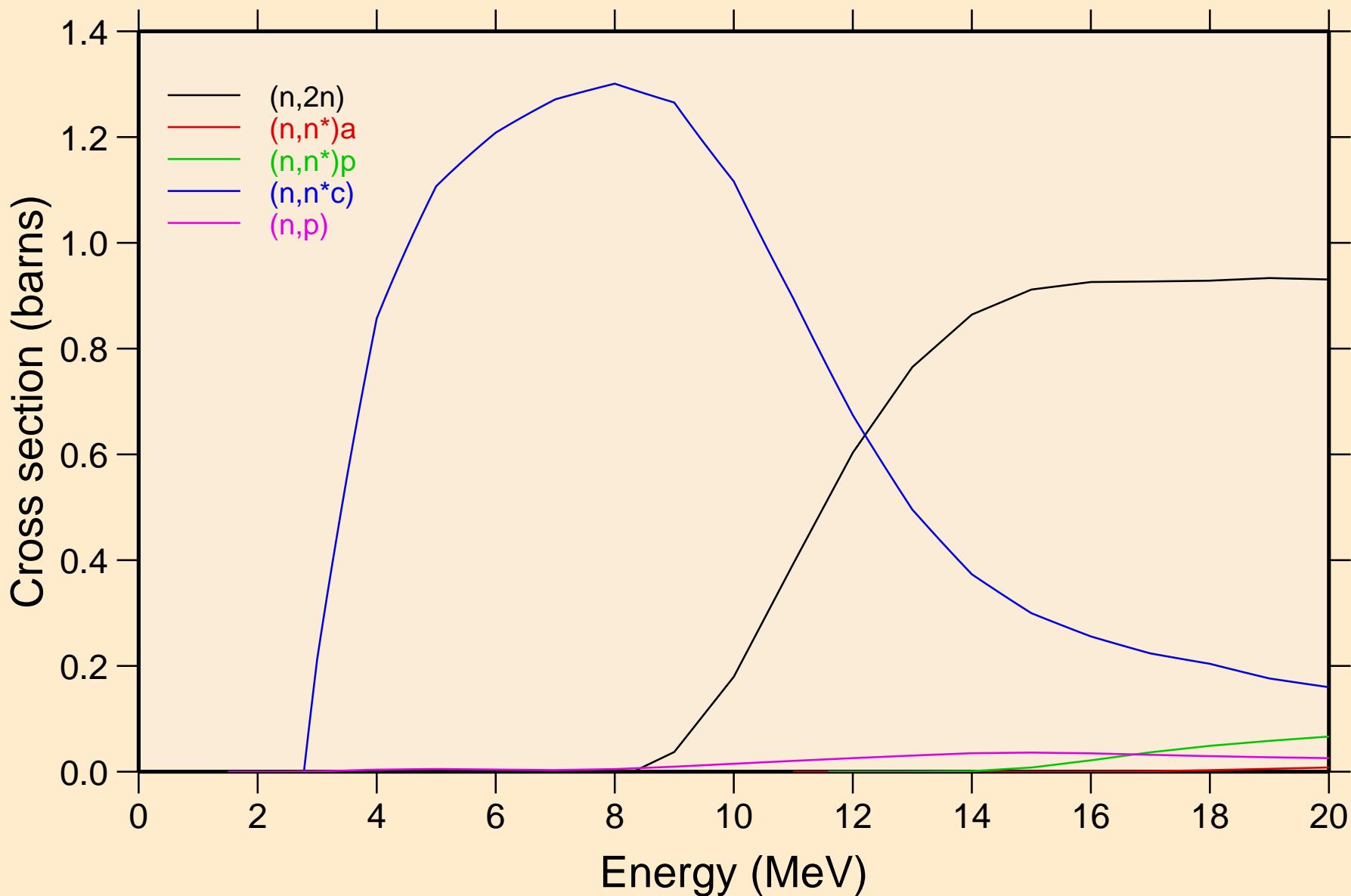
# ENDF/B-VII TI-49

## Inelastic levels



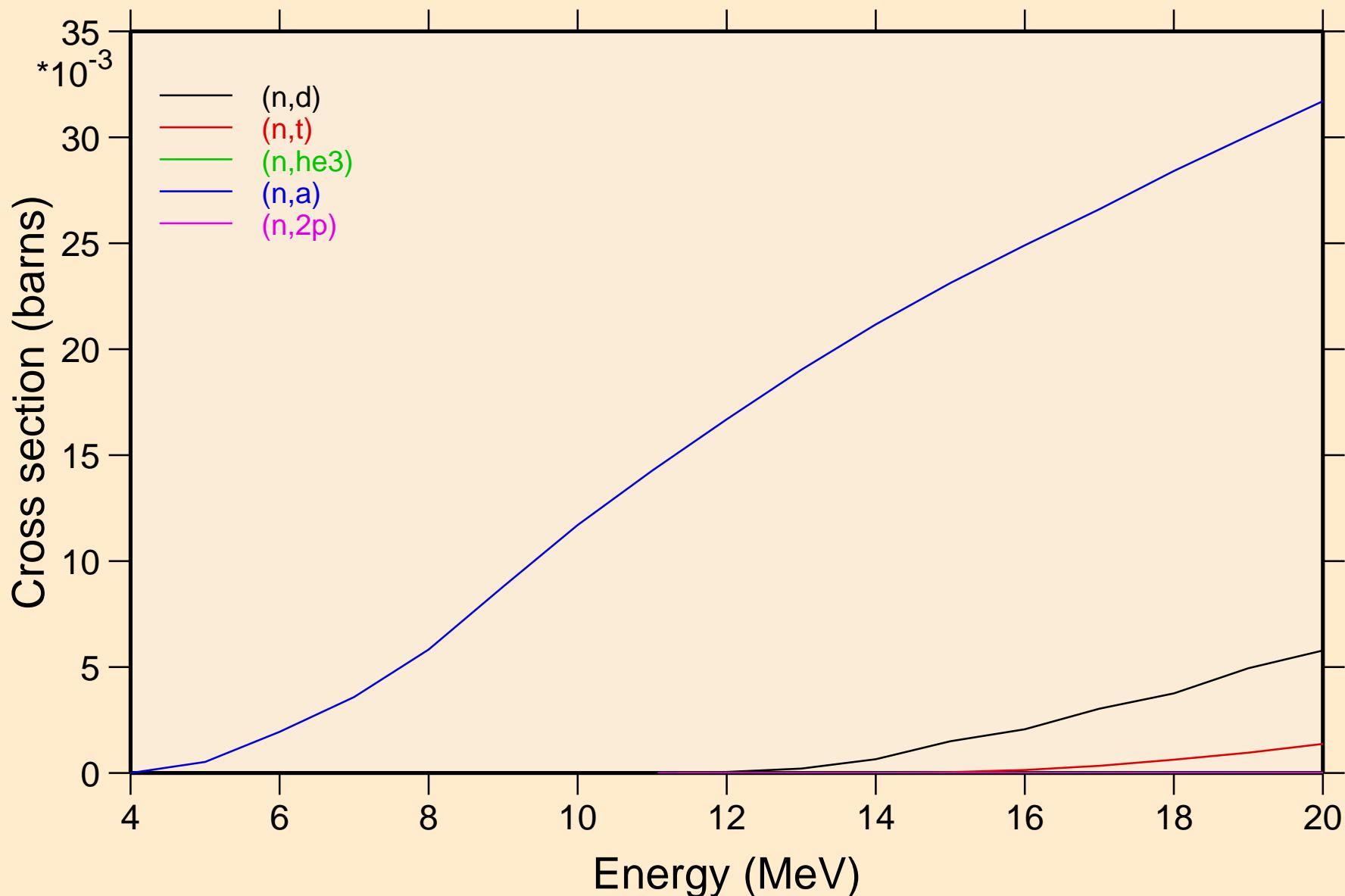
# ENDF/B-VII TI-49

## Threshold reactions



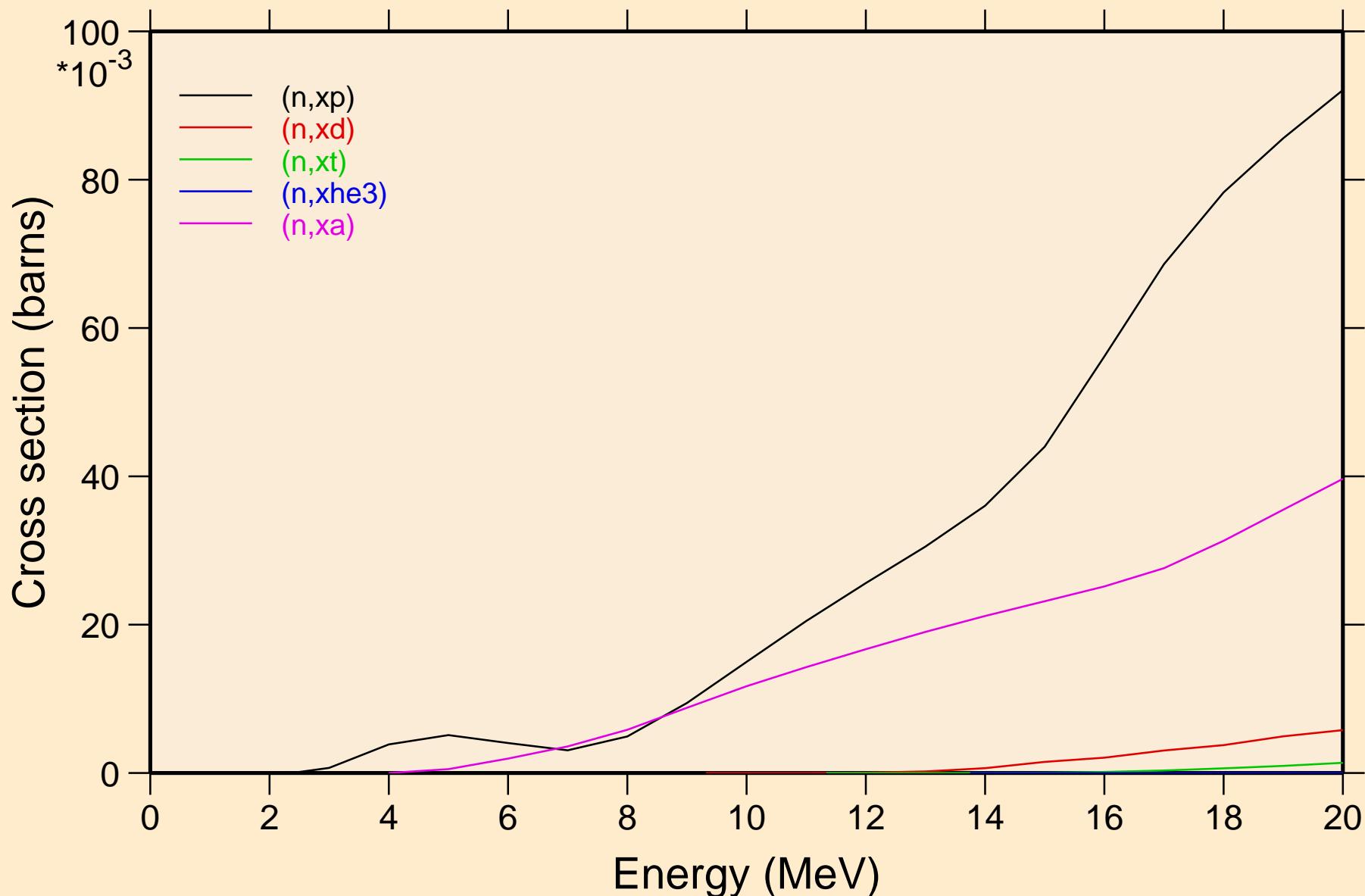
# ENDF/B-VII TI-49

## Threshold reactions



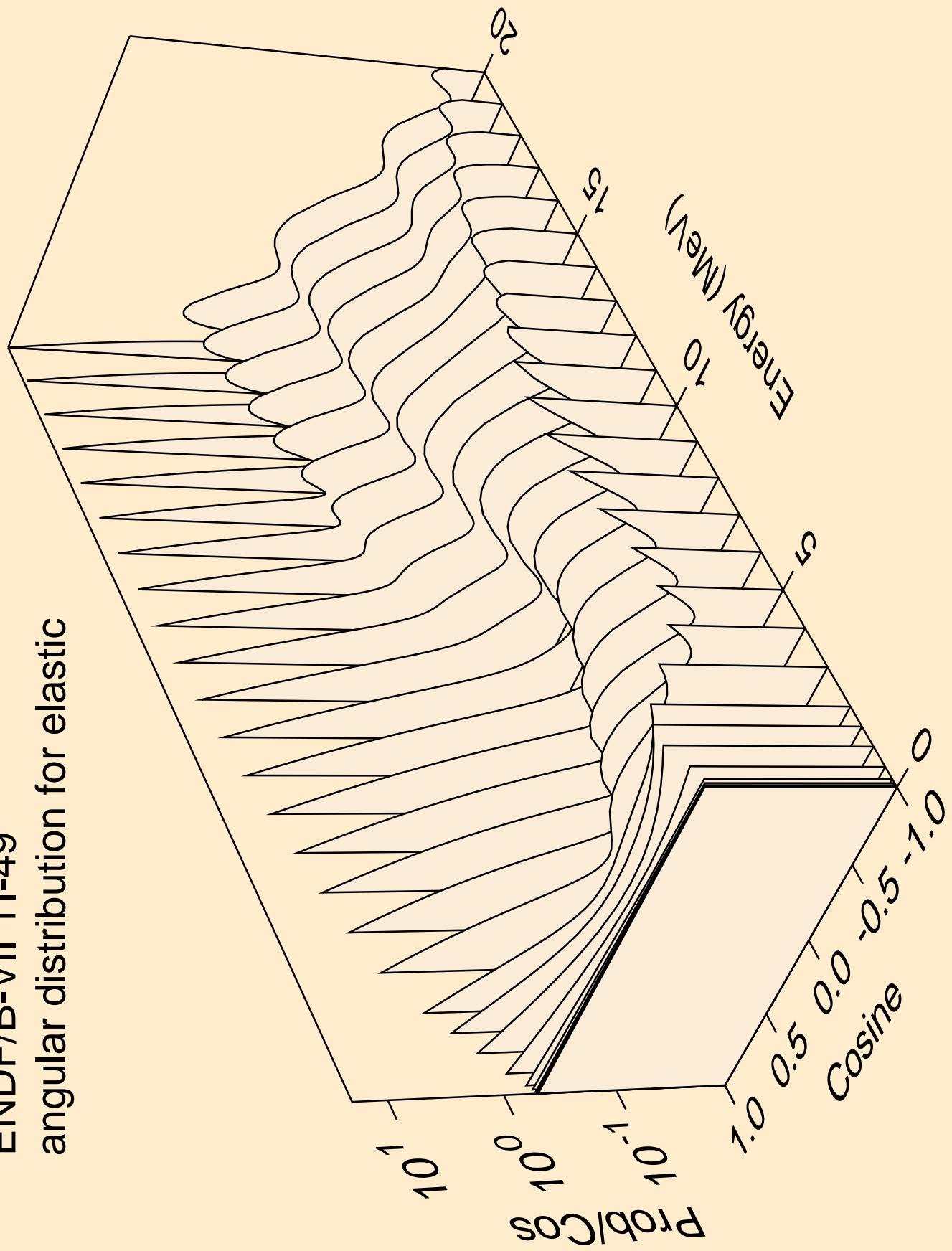
# ENDF/B-VII TI-49

## Threshold reactions



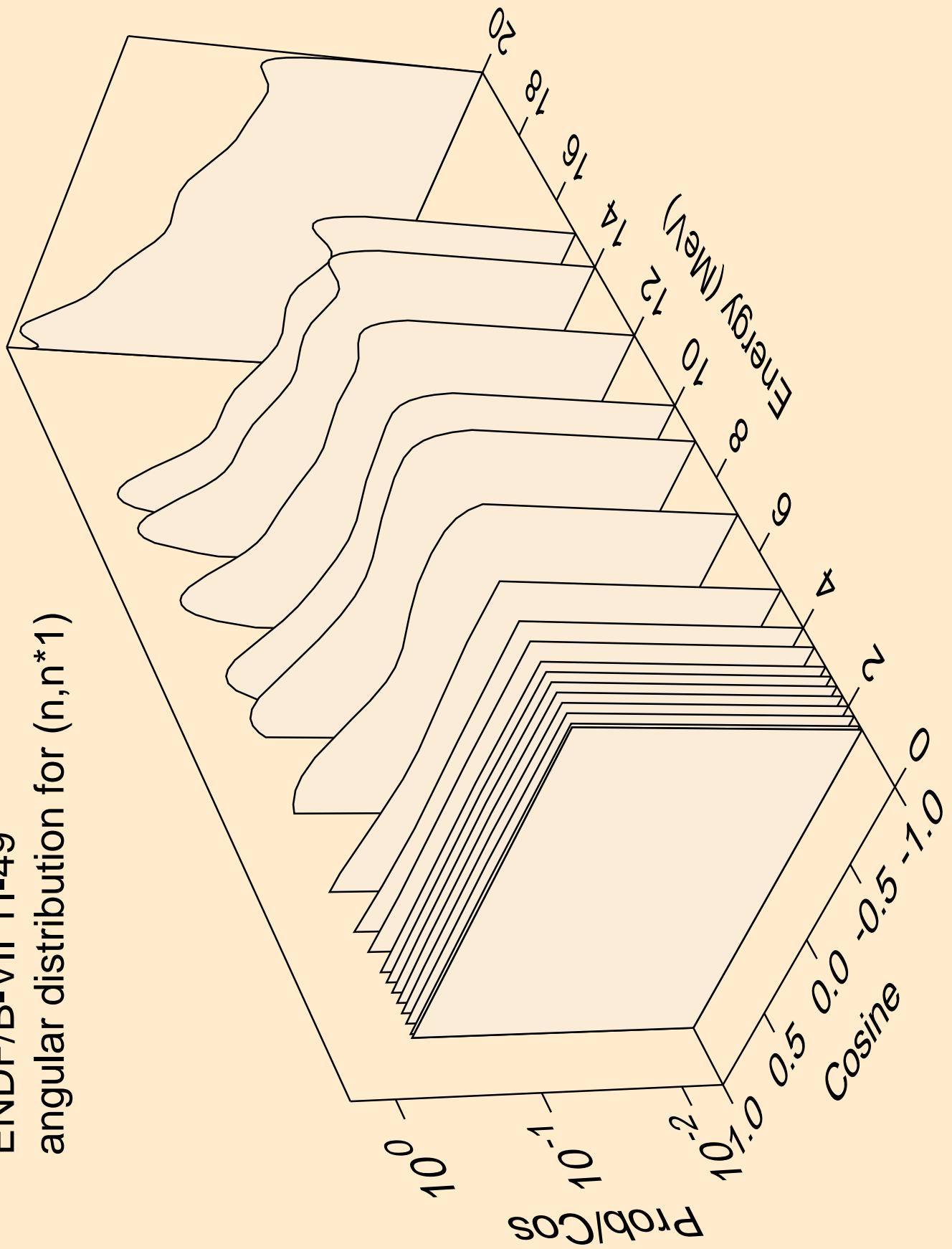
ENDF/B-VII TI-49

angular distribution for elastic



ENDF/B-VII T1-49

angular distribution for ( $n, n^* 1$ )



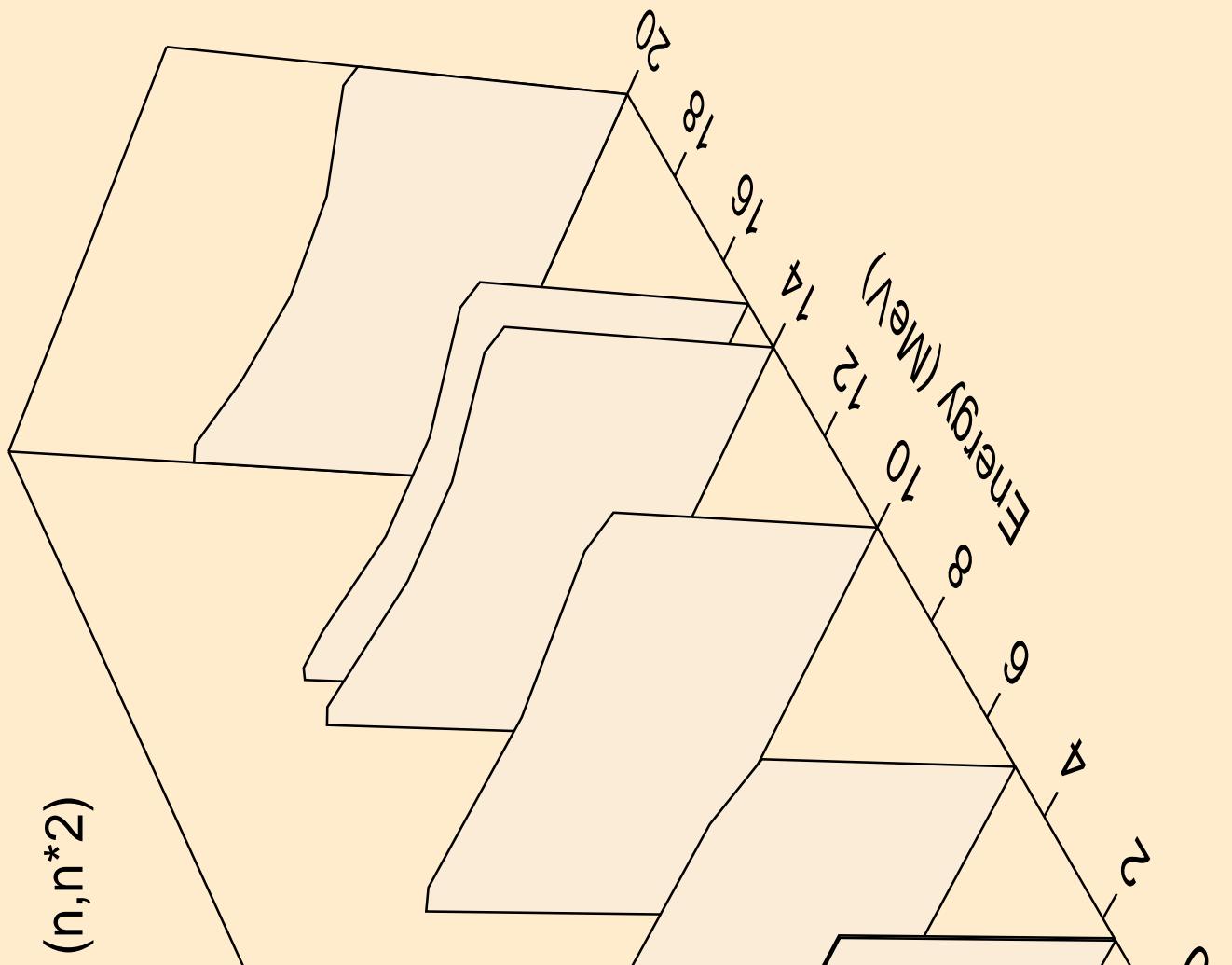
ENDF/B-VII TI-49

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

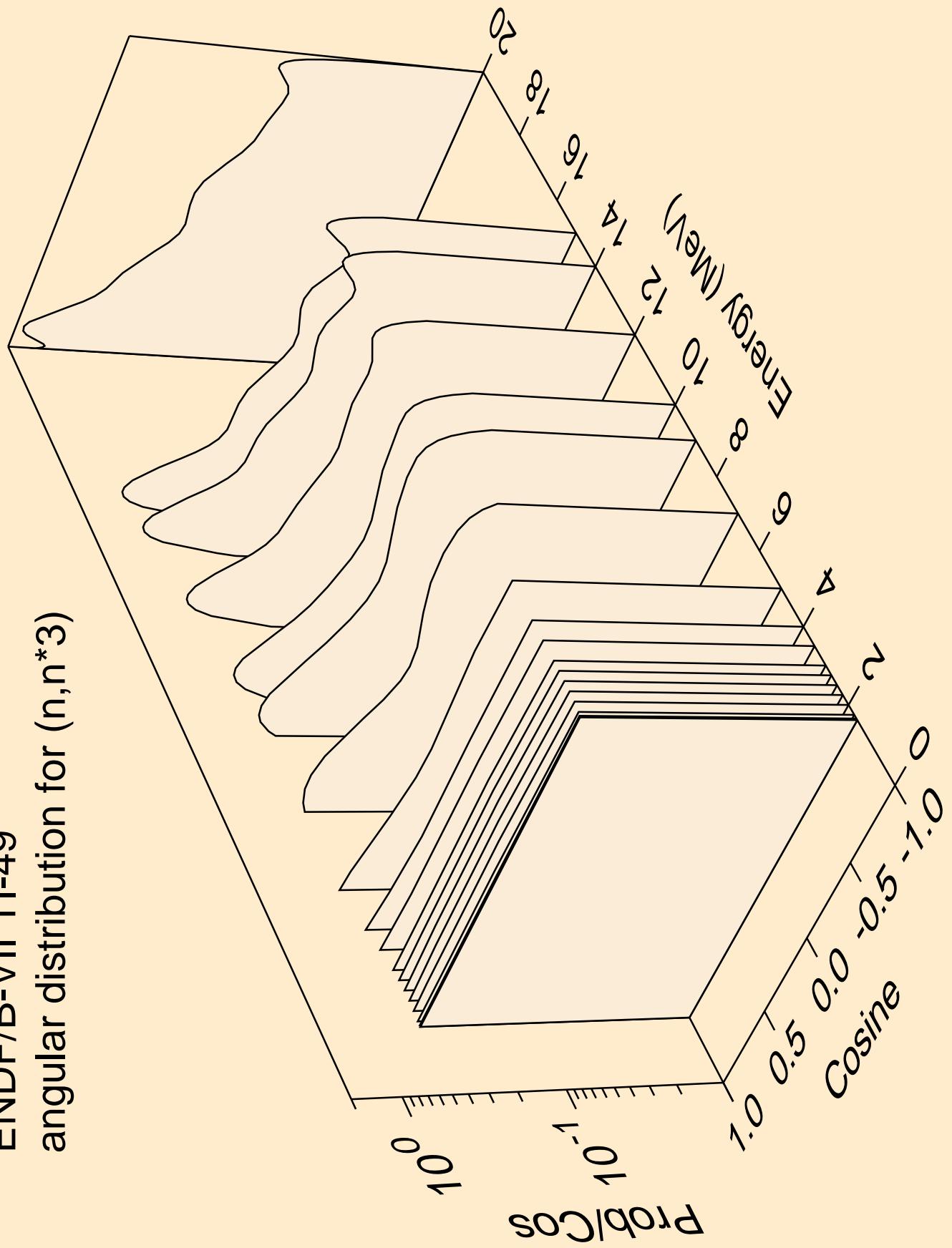
$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII TI-49  
angular distribution for ( $n,n^*3$ )

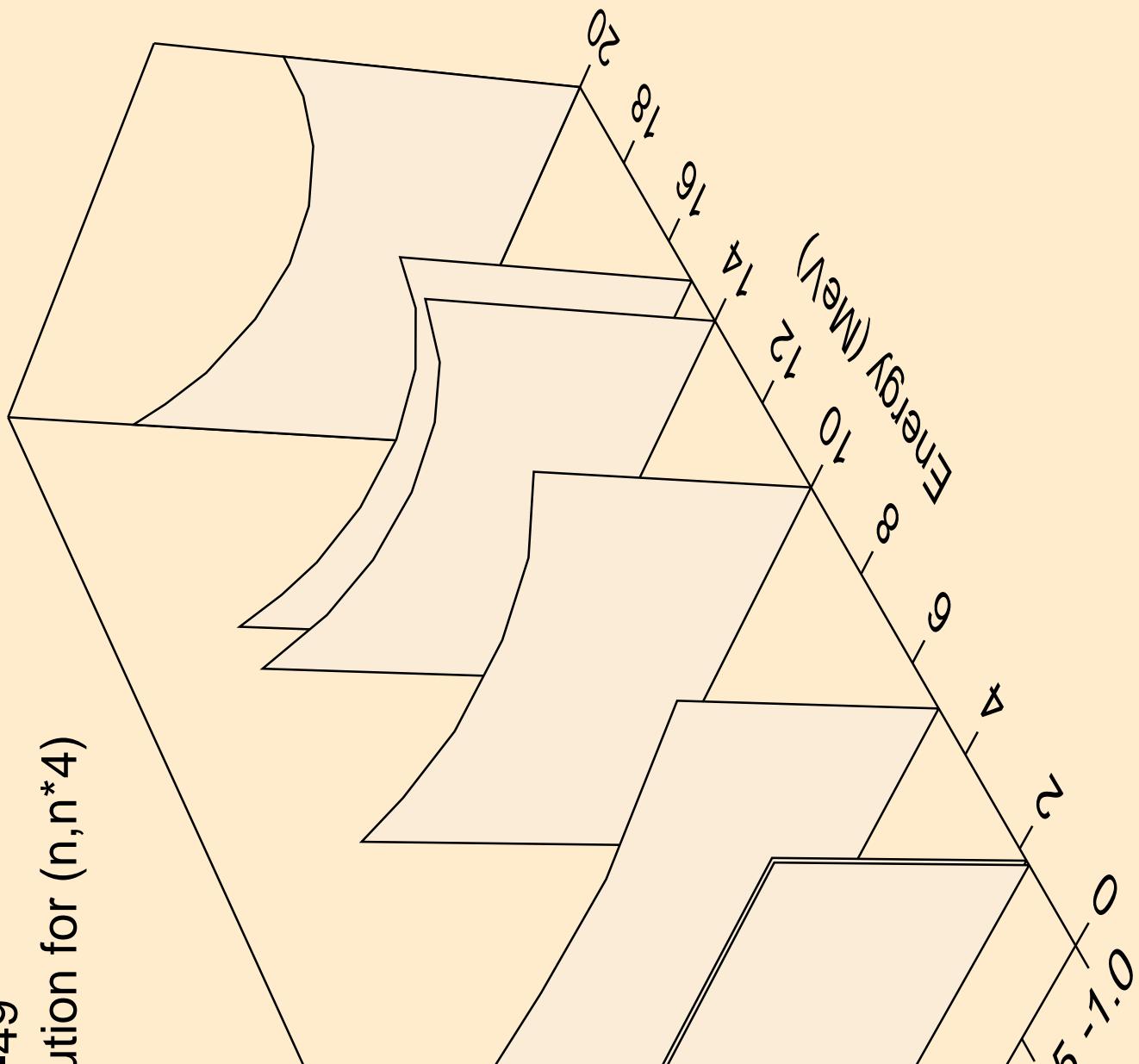


ENDF/B-VII TI-49  
angular distribution for ( $n,n^*4$ )

Prob/Cos

$10^0$

1.0 0.5 0.0 -0.5 -1.0  
Cosine



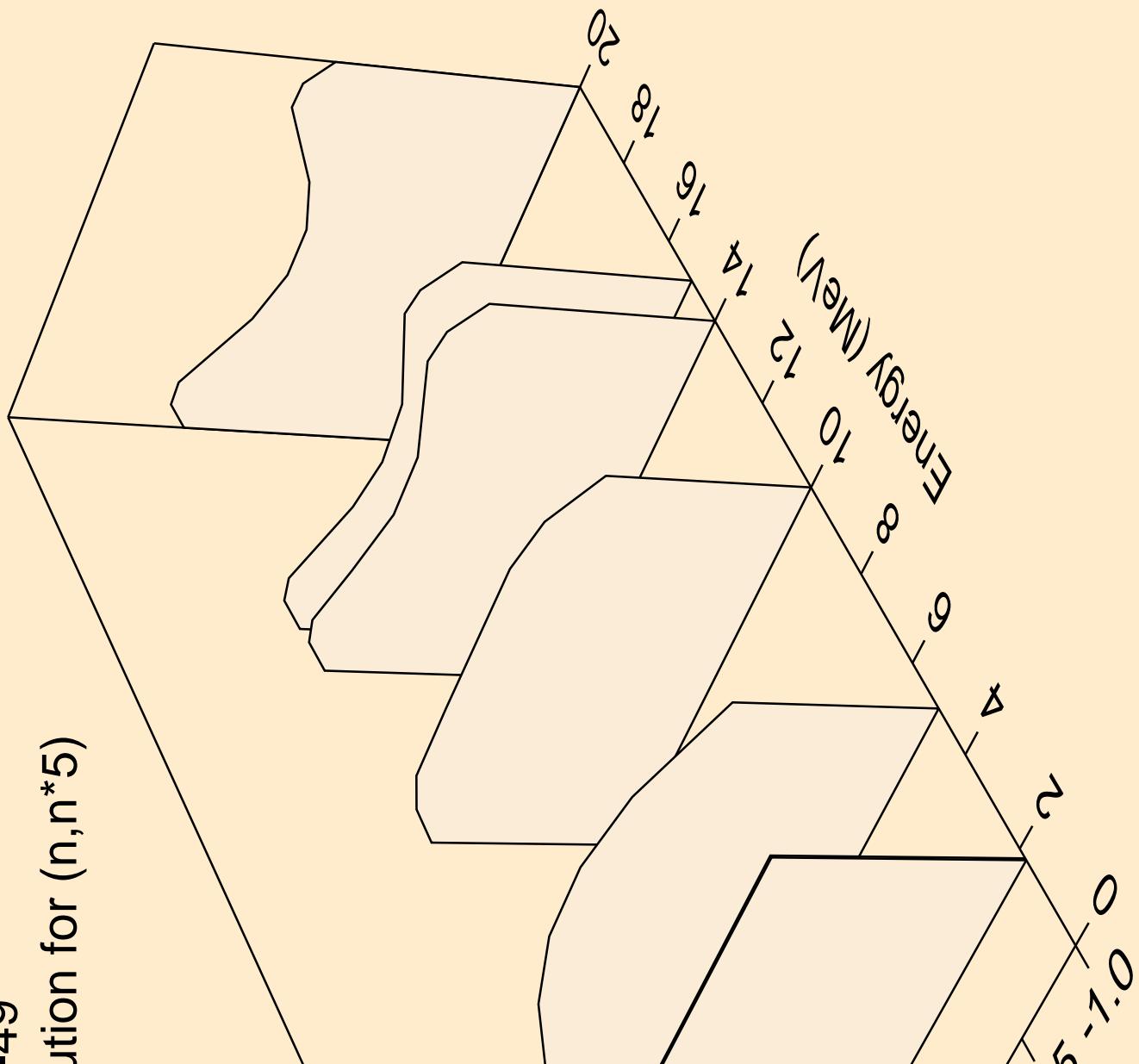
ENDF/B-VII TI-49

angular distribution for (n,n\*5)

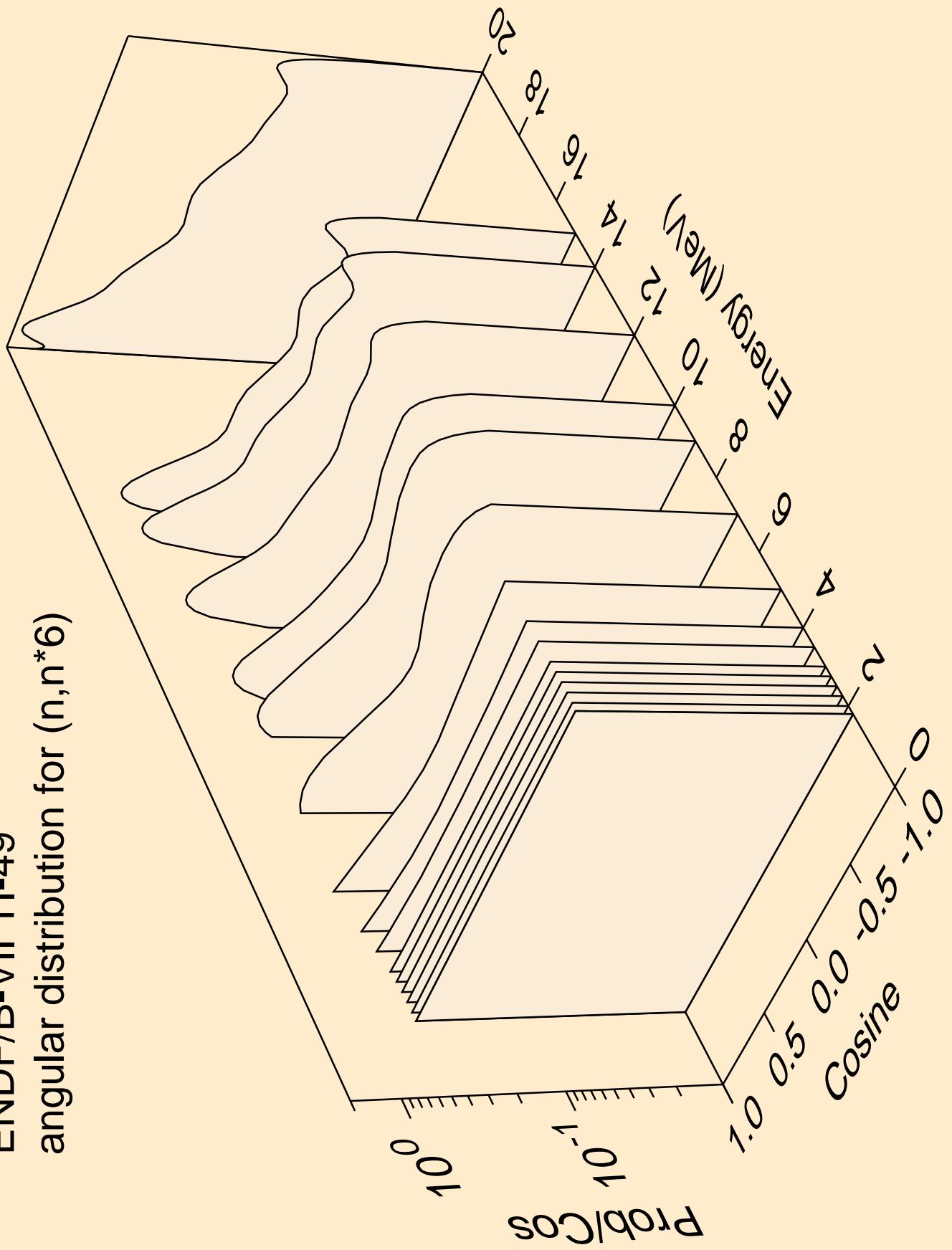
$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

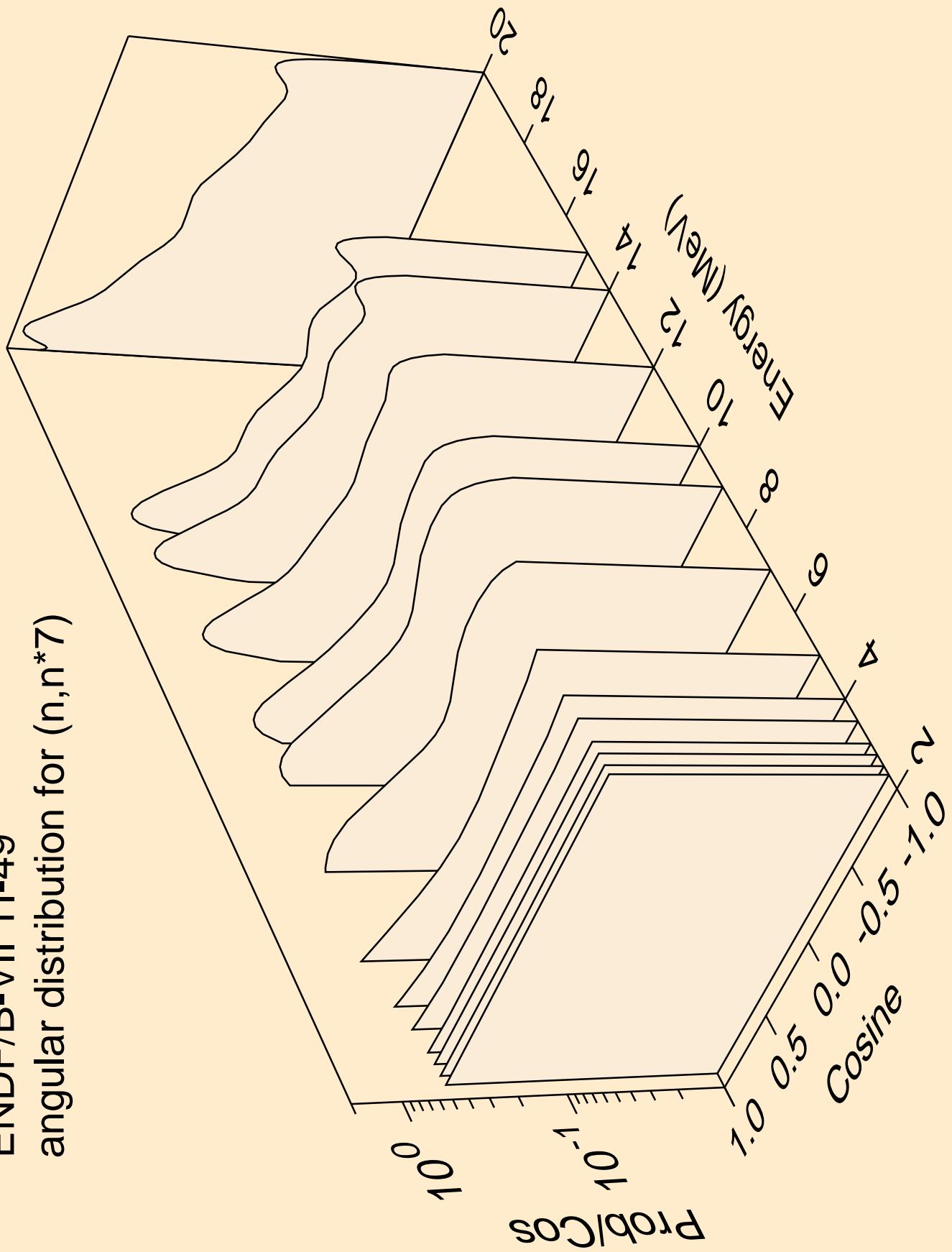


ENDF/B-VII TI-49  
angular distribution for ( $n,n^*6$ )



ENDF/B-VII TI-49

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



ENDF/B-VII TI-49

angular distribution for (n,n\*8)

$10^0$

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

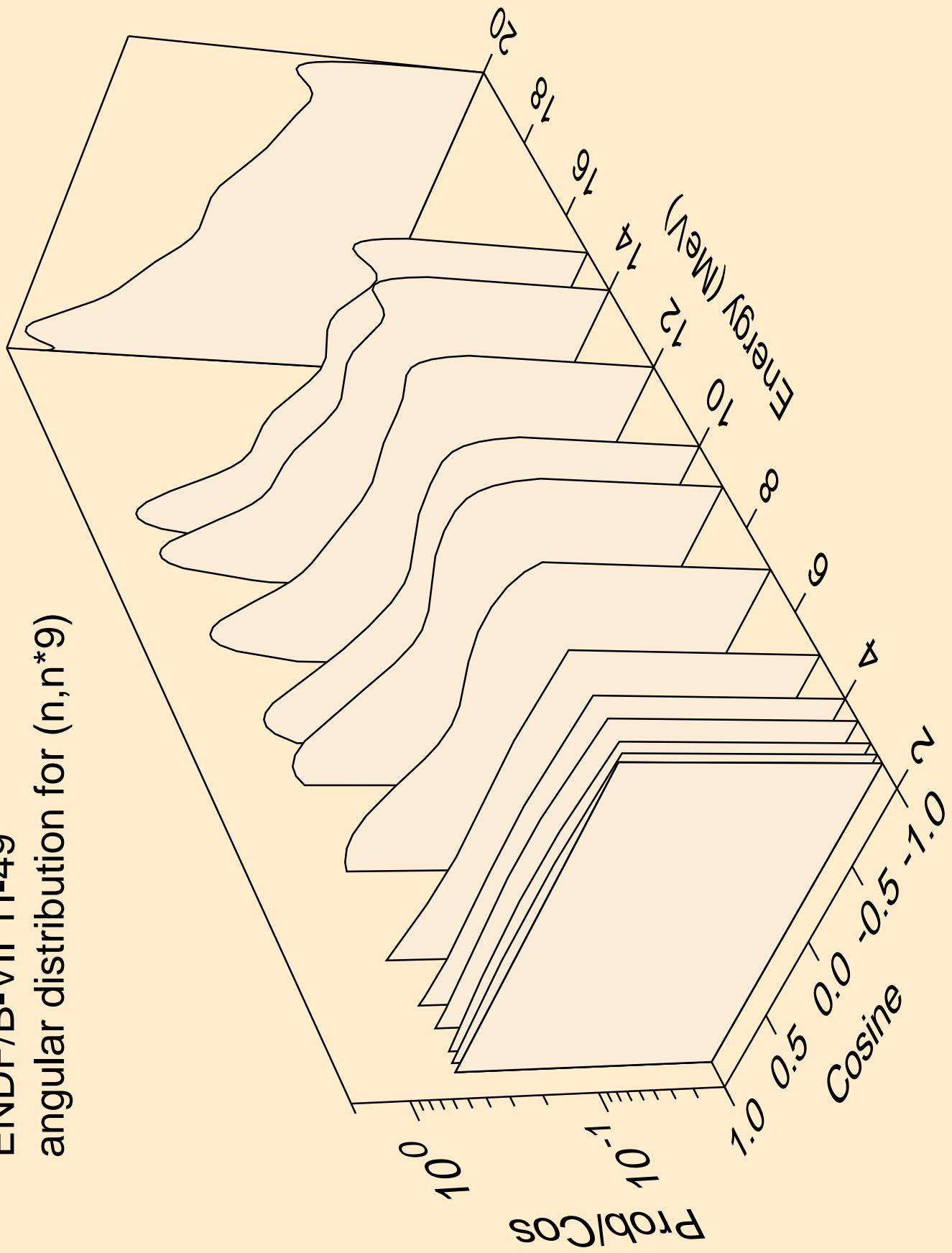
6

4

2

ENDF/B-VII TI-49

angular distribution for  $(n,n^*9)$



ENDF/B-VII TI-49

angular distribution for (n,n\*10)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

10

8

6

4

2

1

0

ENDF/B-VII TI-49

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

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII TI-49

angular distribution for (n,n\*12)

$10^0$

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

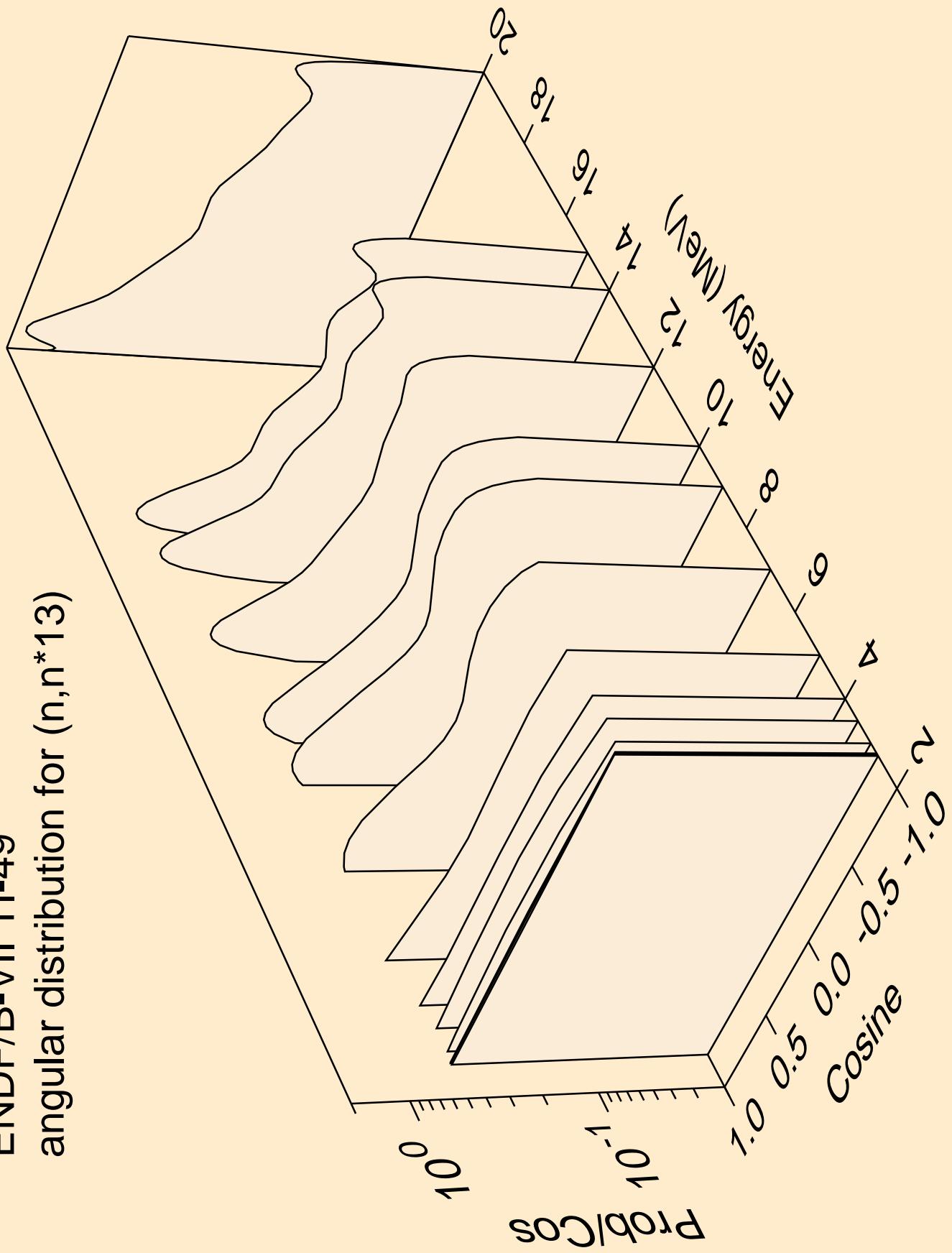
4

2

0

ENDF/B-VII T1-49

angular distribution for (n,n\*13)



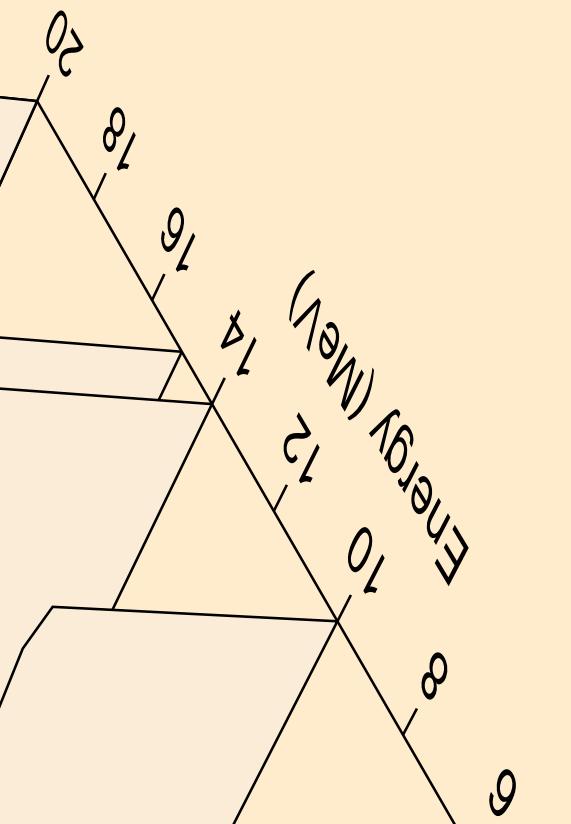
ENDF/B-VII T1-49

angular distribution for (n,n\*14)

$10^0$

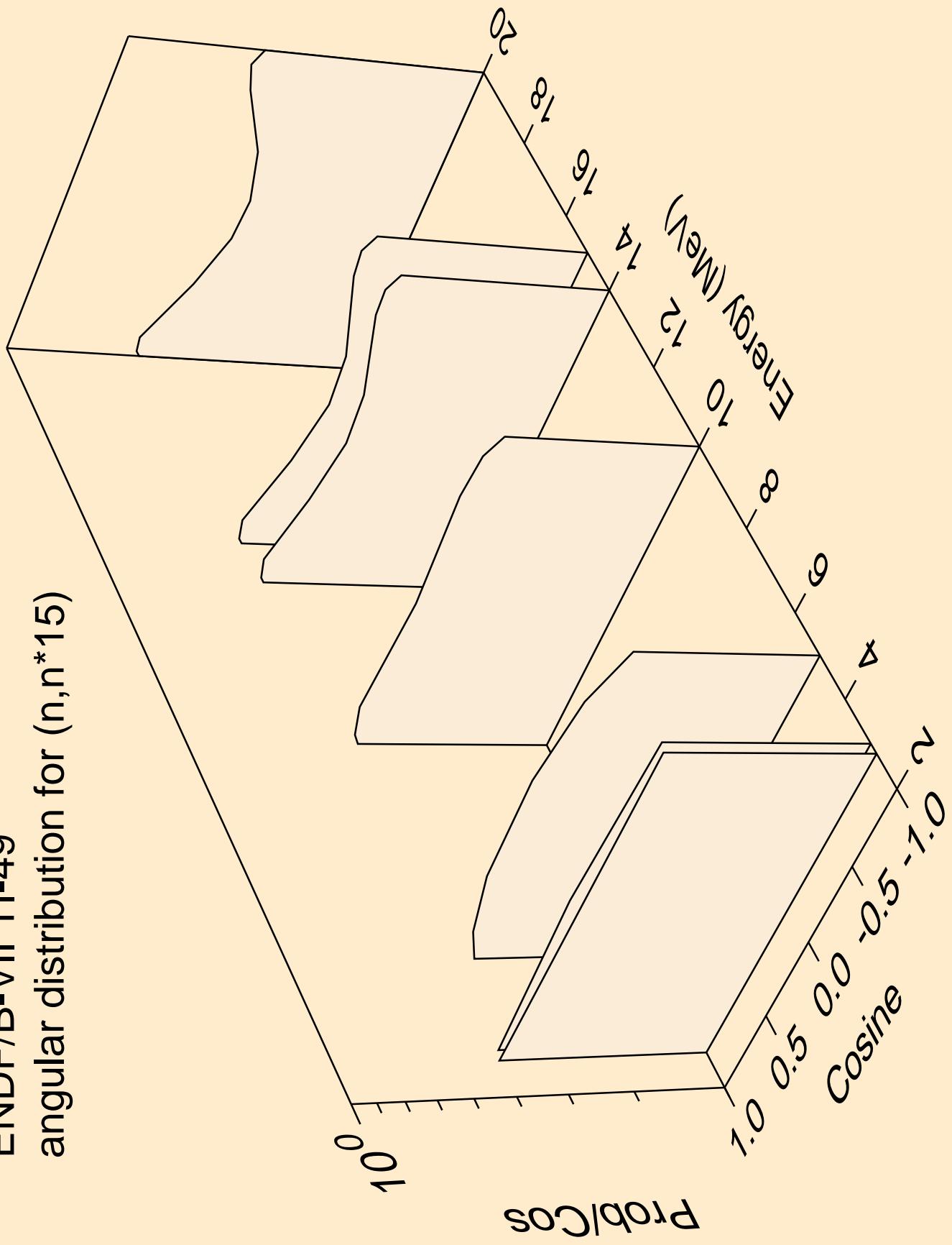
Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



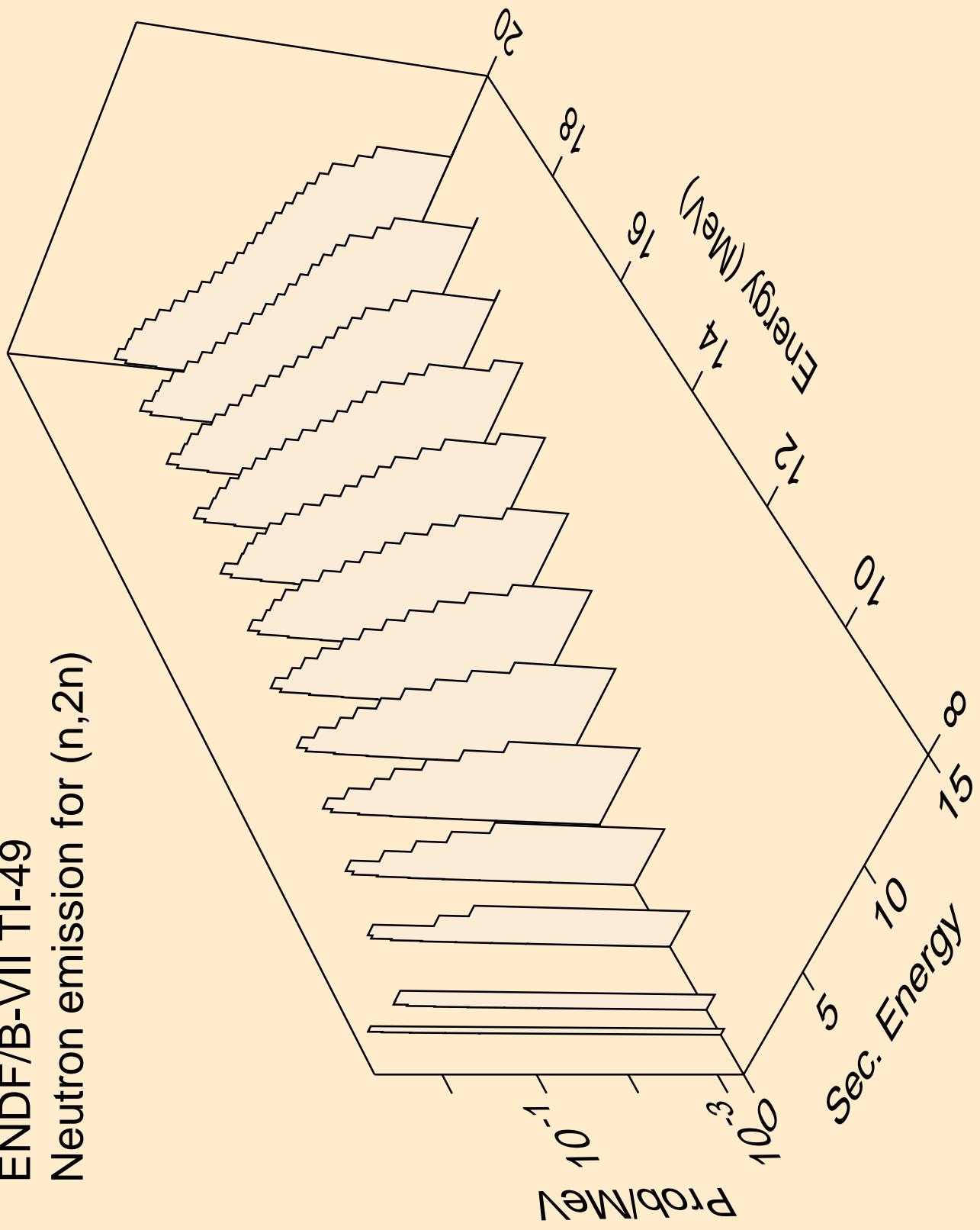
ENDF/B-VII TI-49

angular distribution for  $(n,n^*15)$



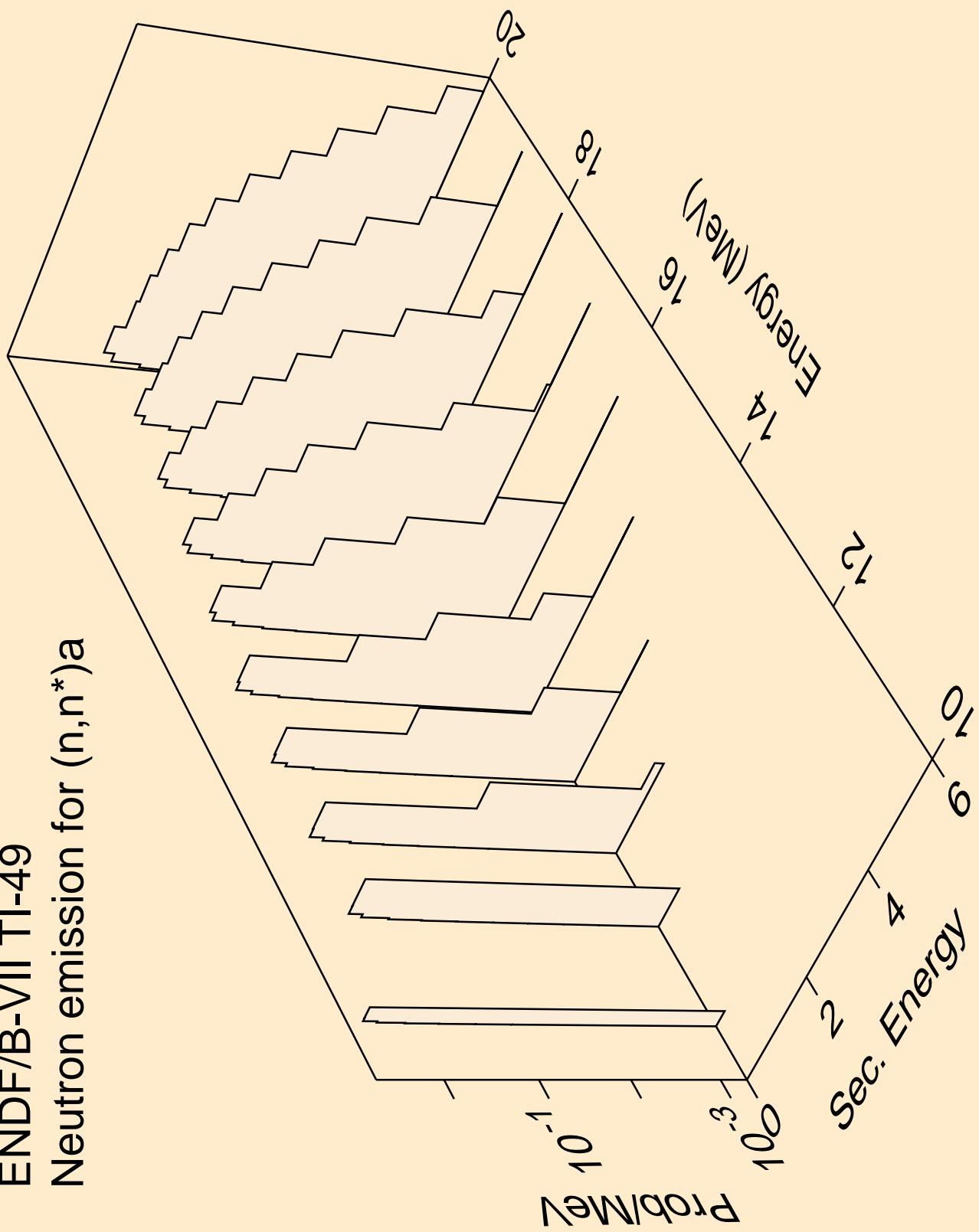
ENDF/B-VII Tl-49

Neutron emission for  $(n,2n)$



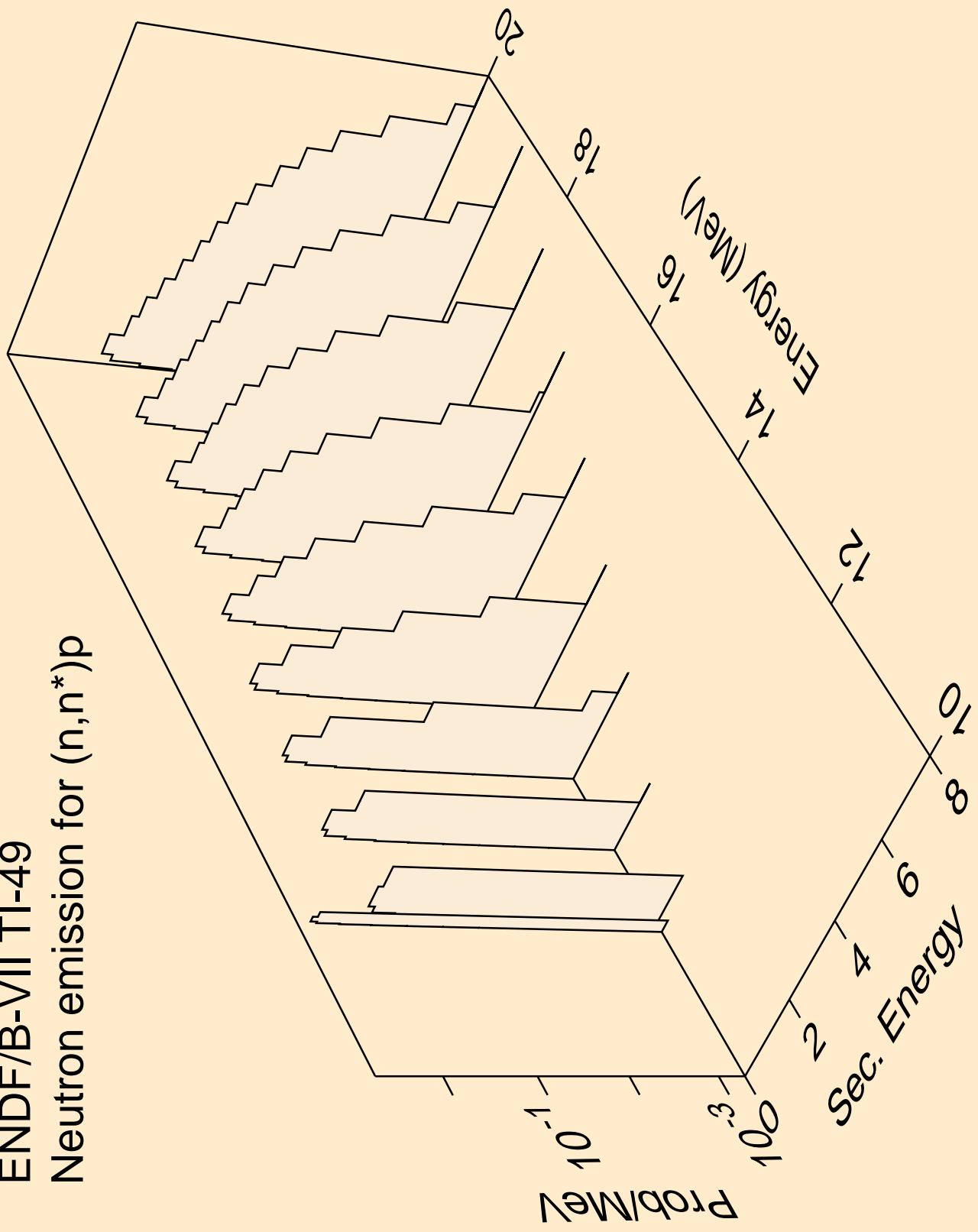
ENDF/B-VII TI-49

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



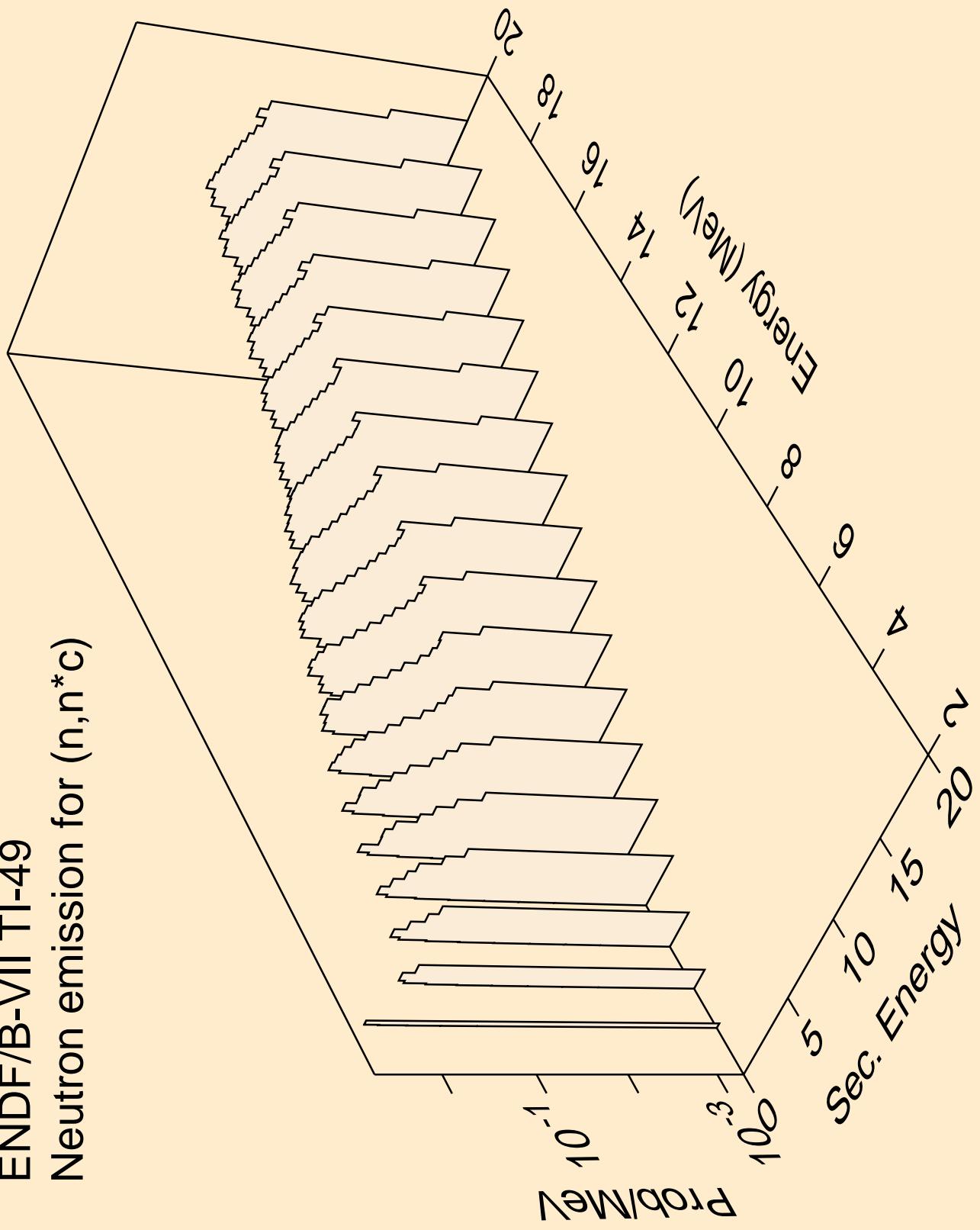
ENDF/B-VII Tl-49

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

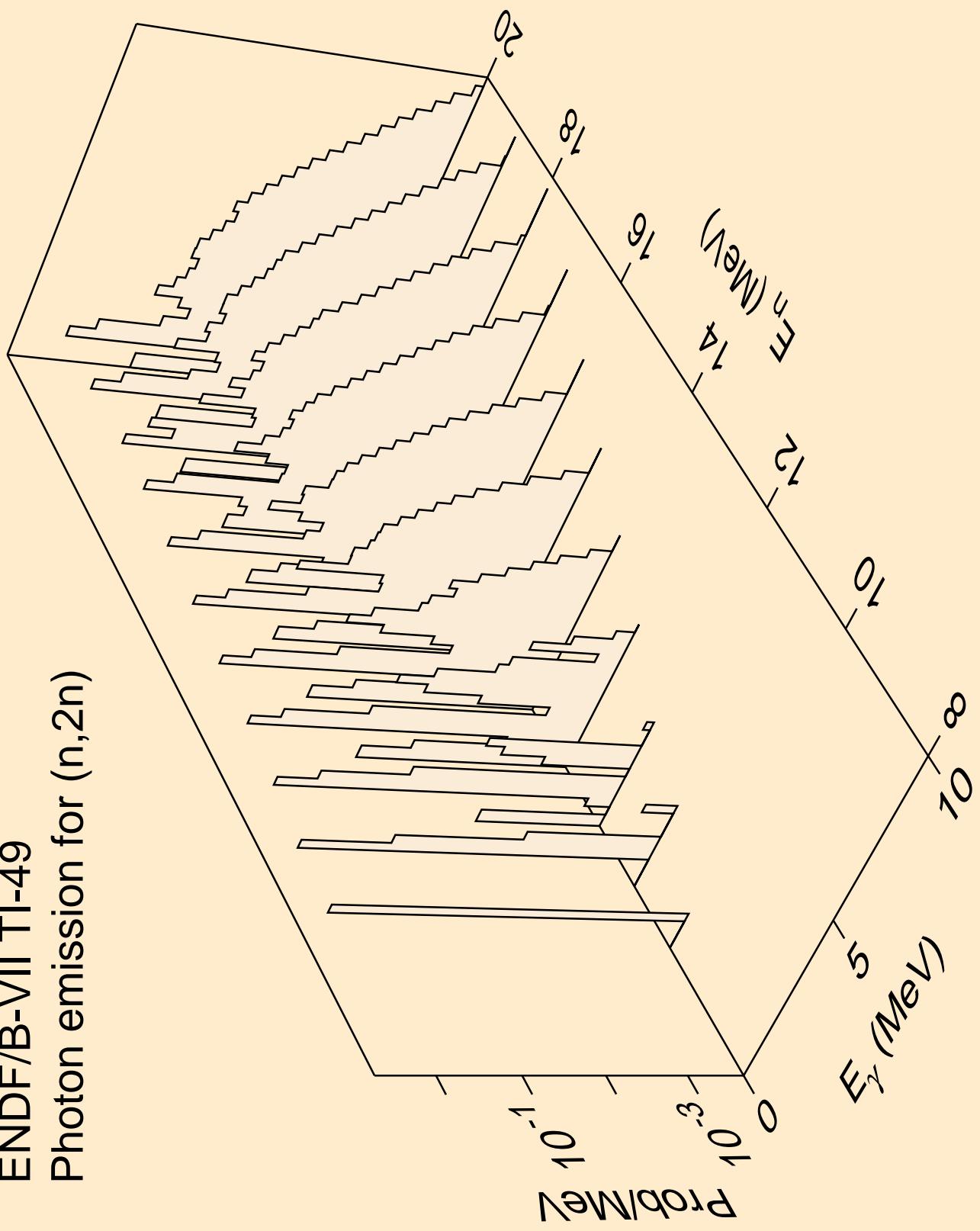


ENDF/B-VII T1-49

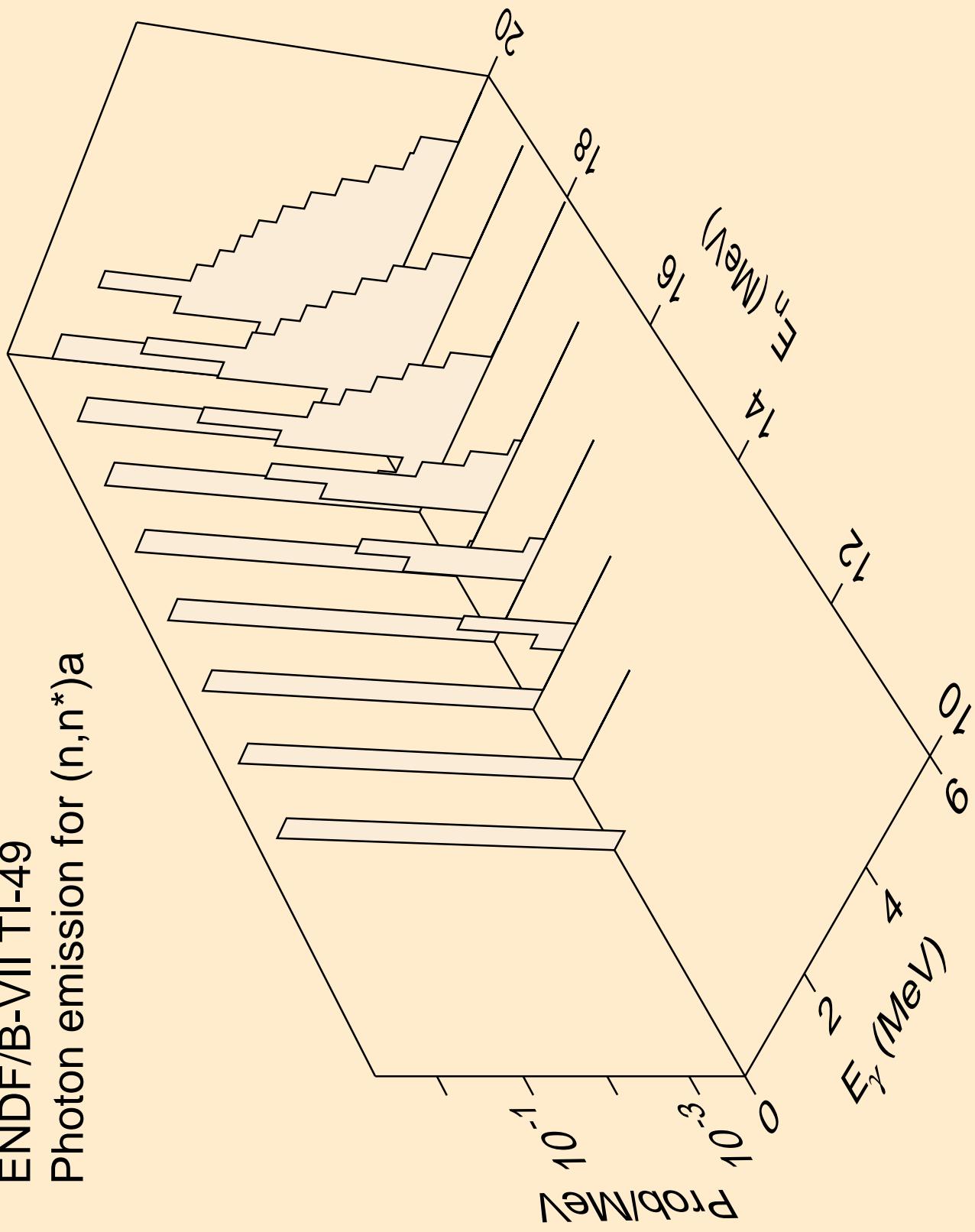
Neutron emission for  $(n, n^* c)$



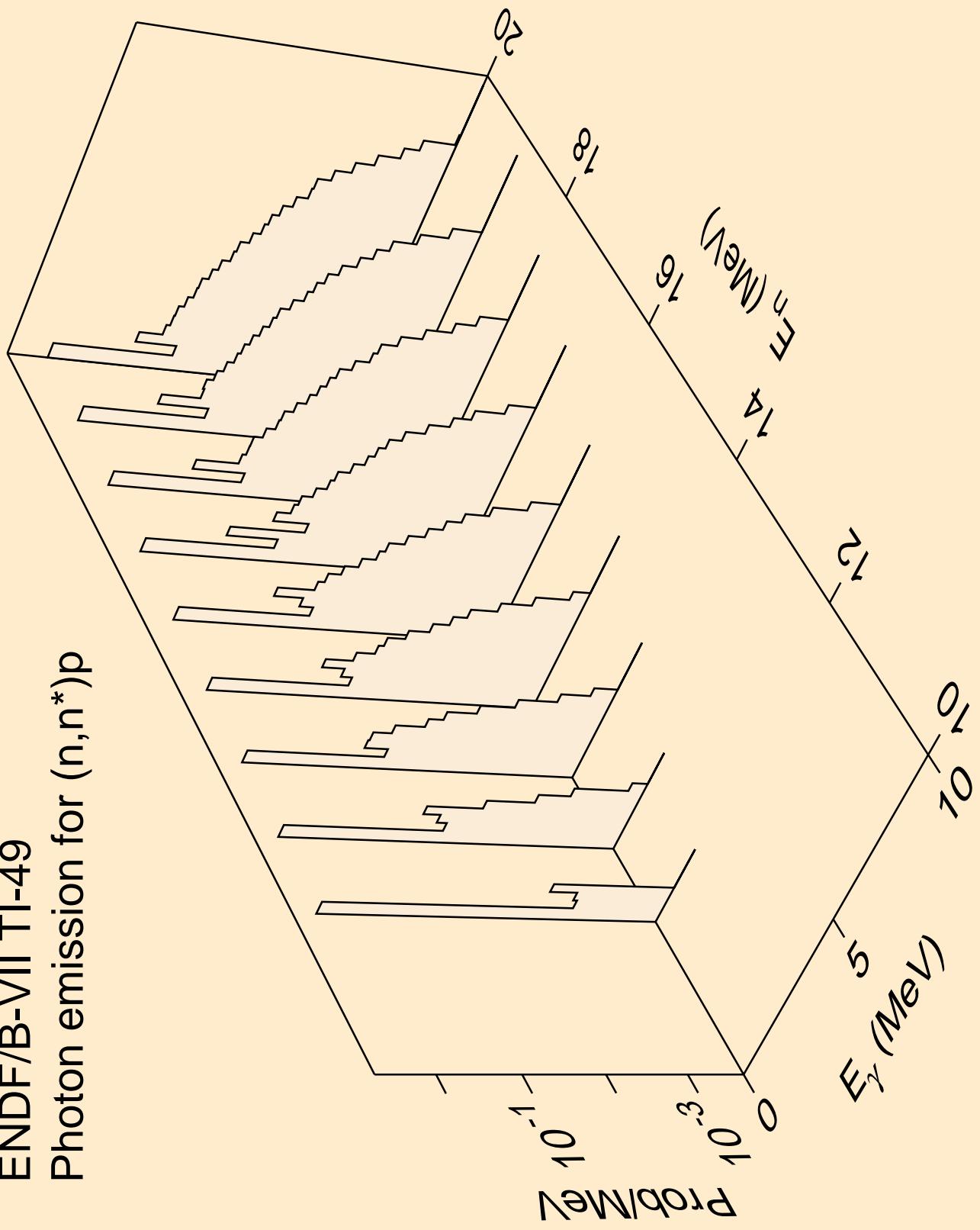
ENDF/B-VII TI-49  
Photon emission for  $(n,2n)$



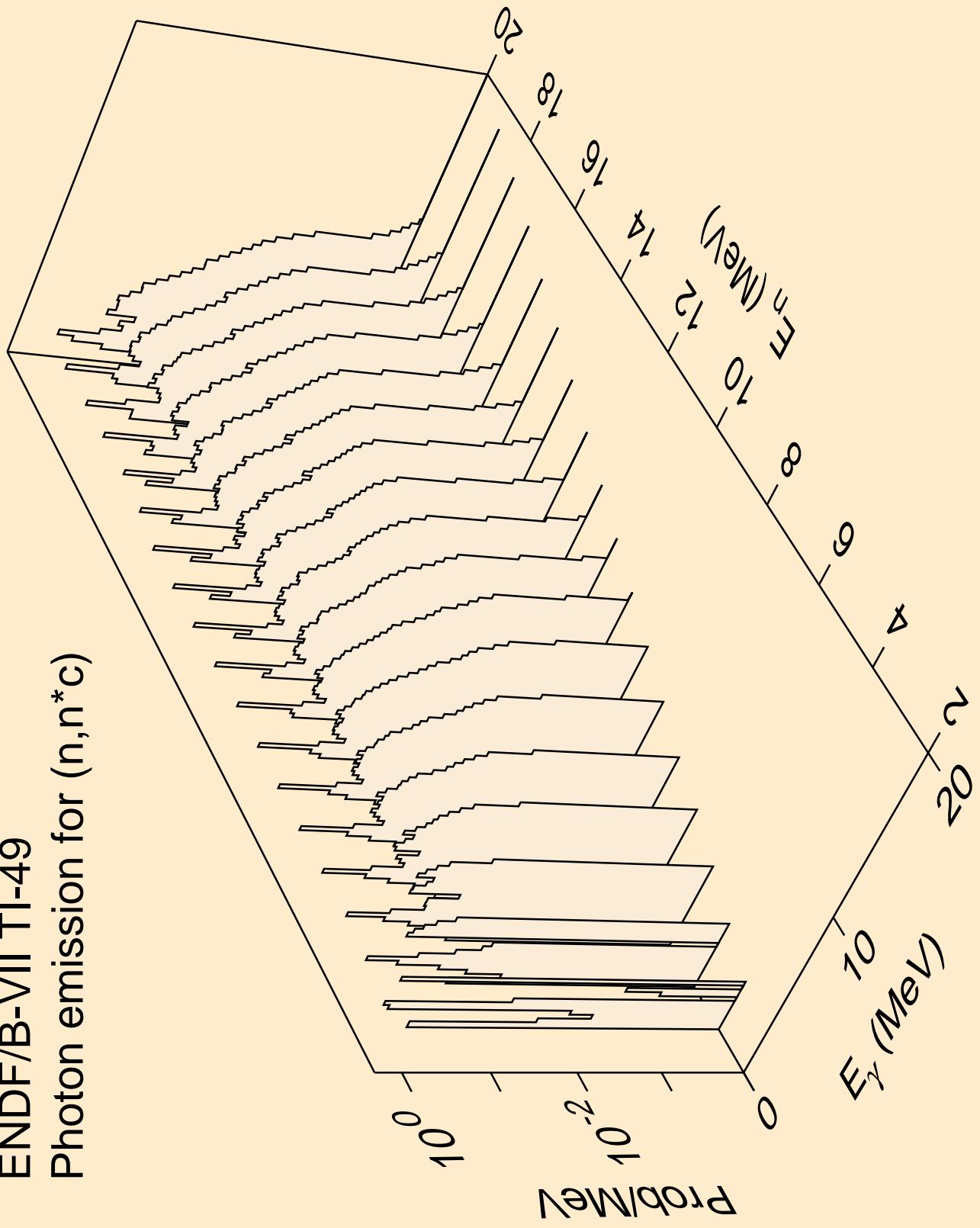
ENDF/B-VII TI-49  
Photon emission for  $(n, n^*)\alpha$



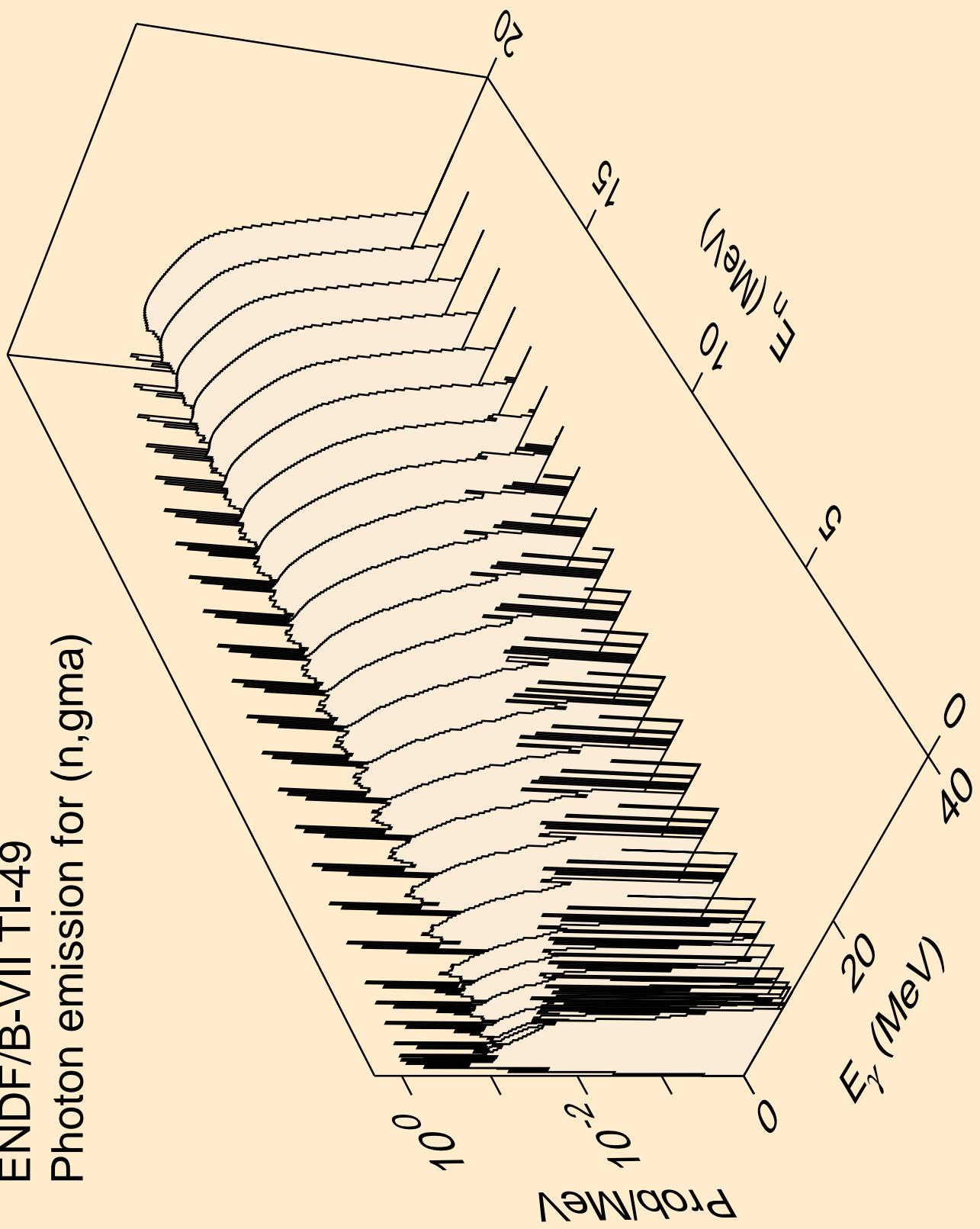
ENDF/B-VII TI-49  
Photon emission for  $(n, n^*)p$



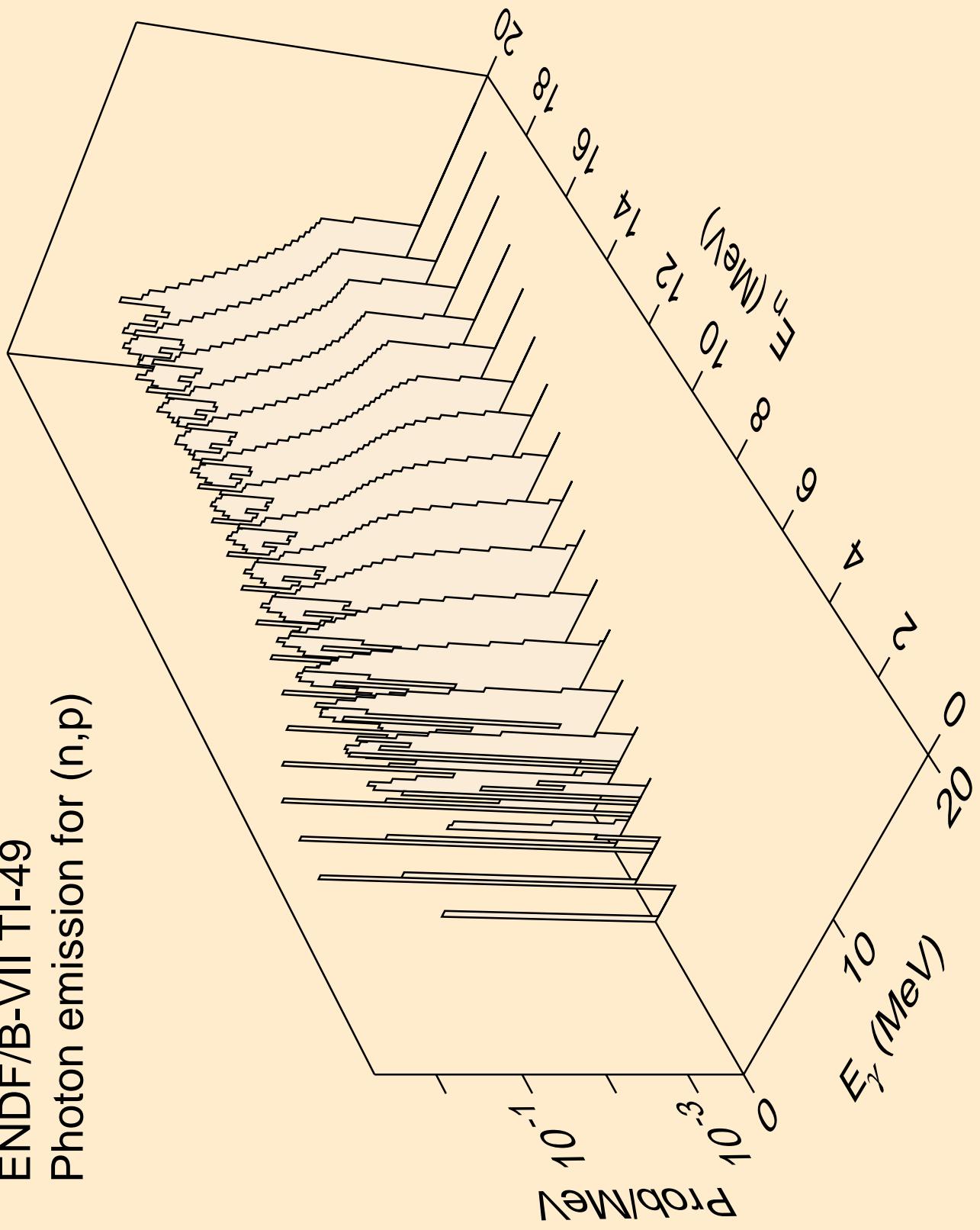
ENDF/B-VII T1-49  
Photon emission for  $(n, n^*c)$



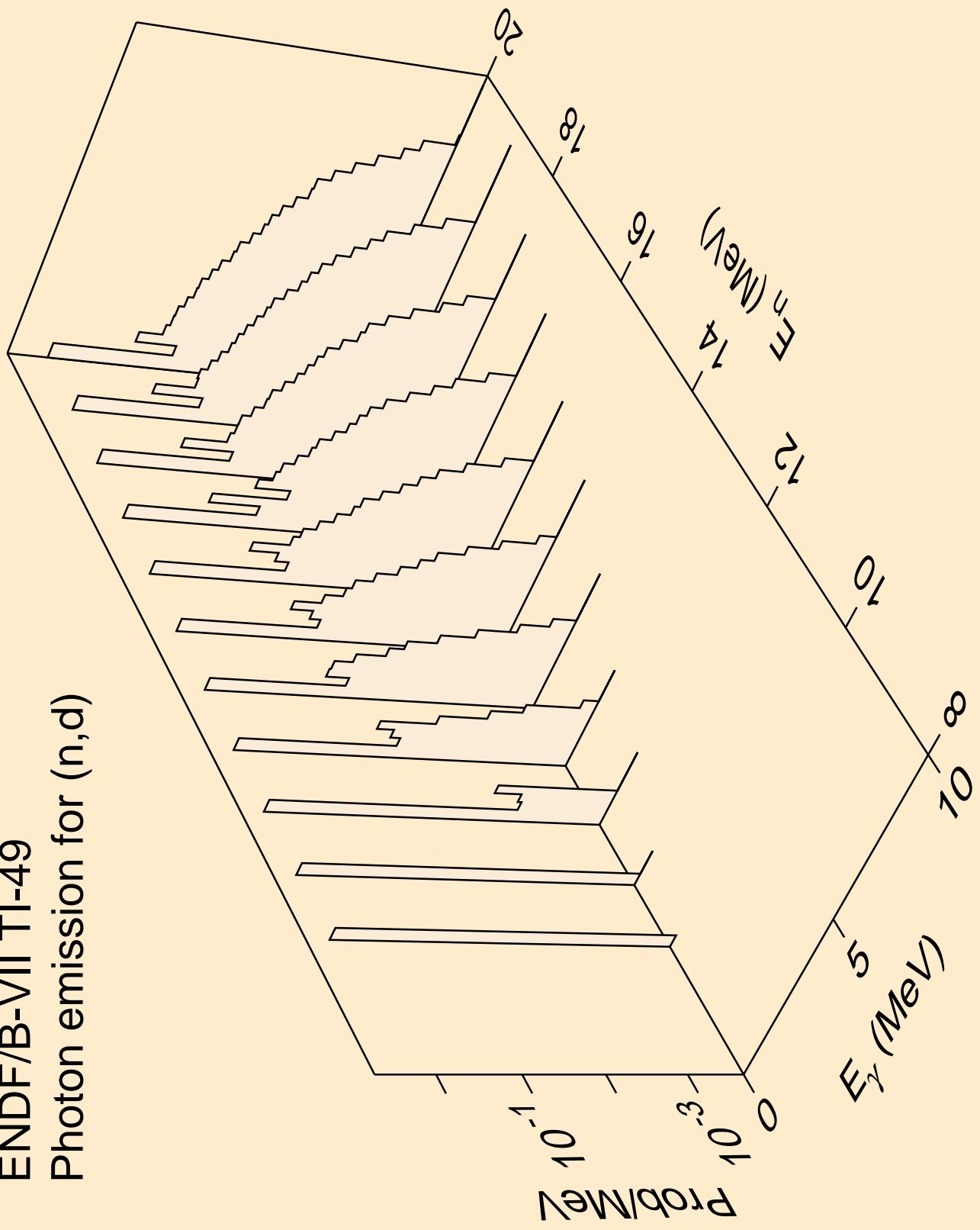
ENDF/B-VII TI-49  
Photon emission for ( $n, \gamma$ )



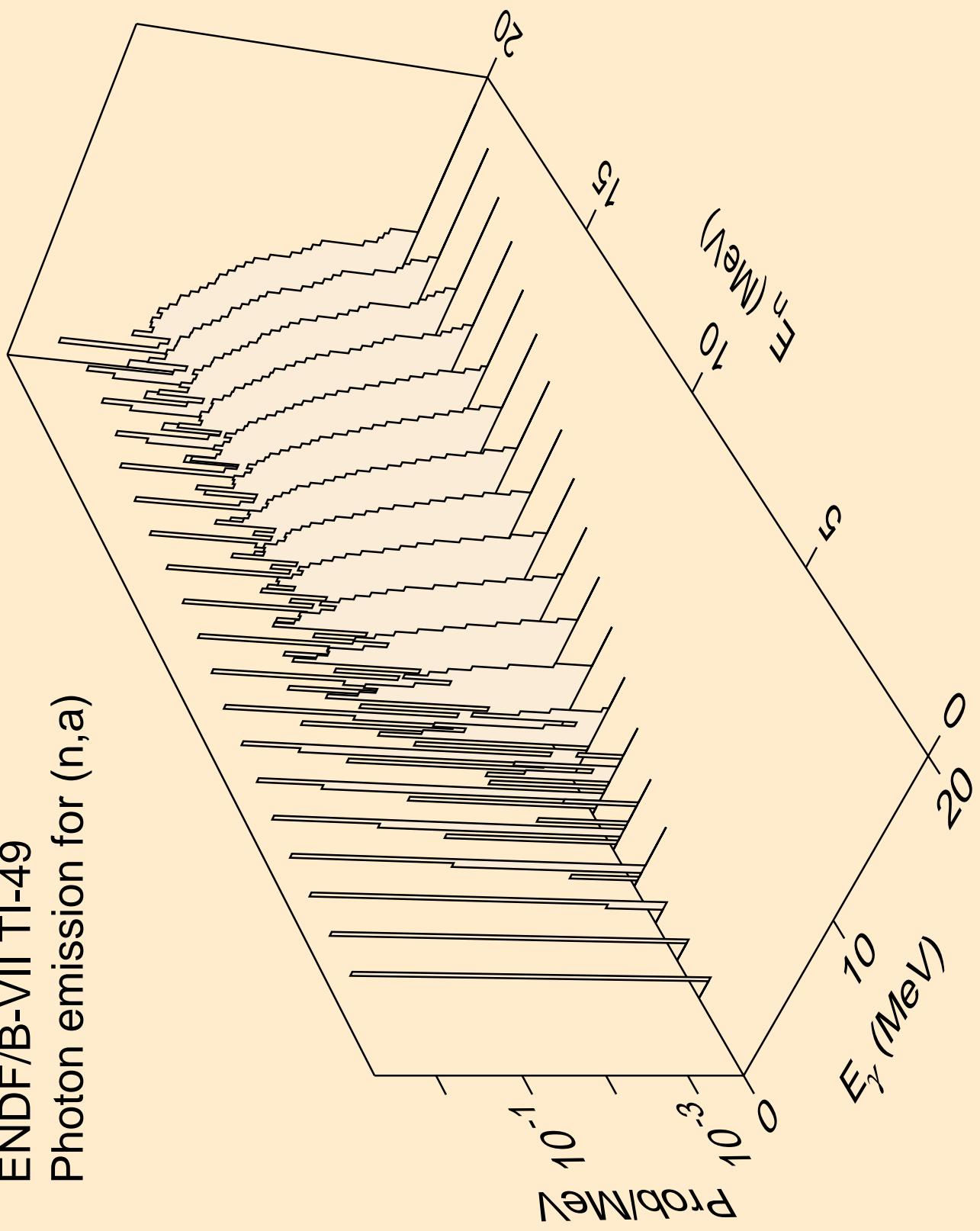
ENDF/B-VII TI-49  
Photon emission for (n,p)



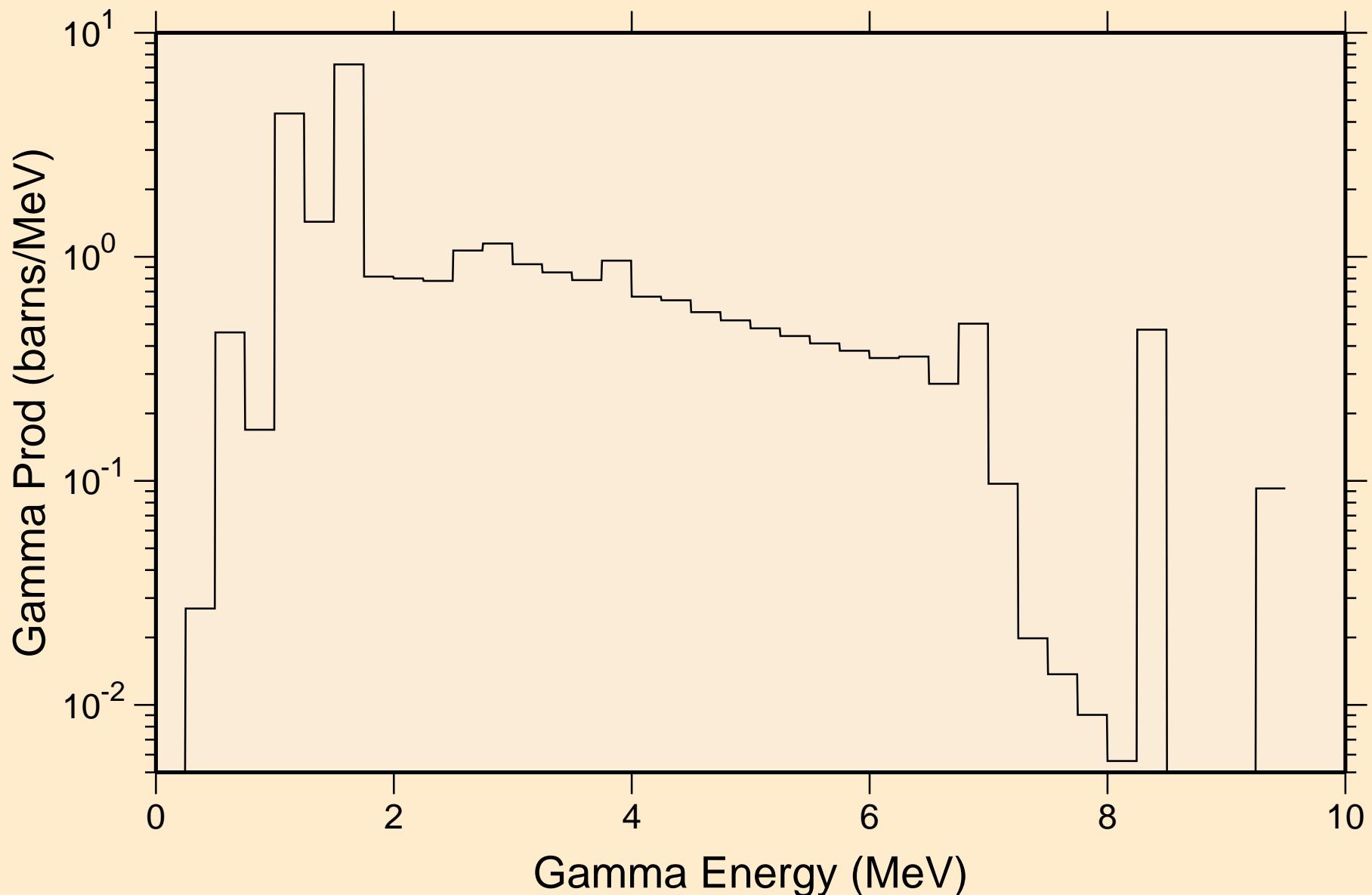
ENDF/B-VII TI-49  
Photon emission for  $(n, d)$



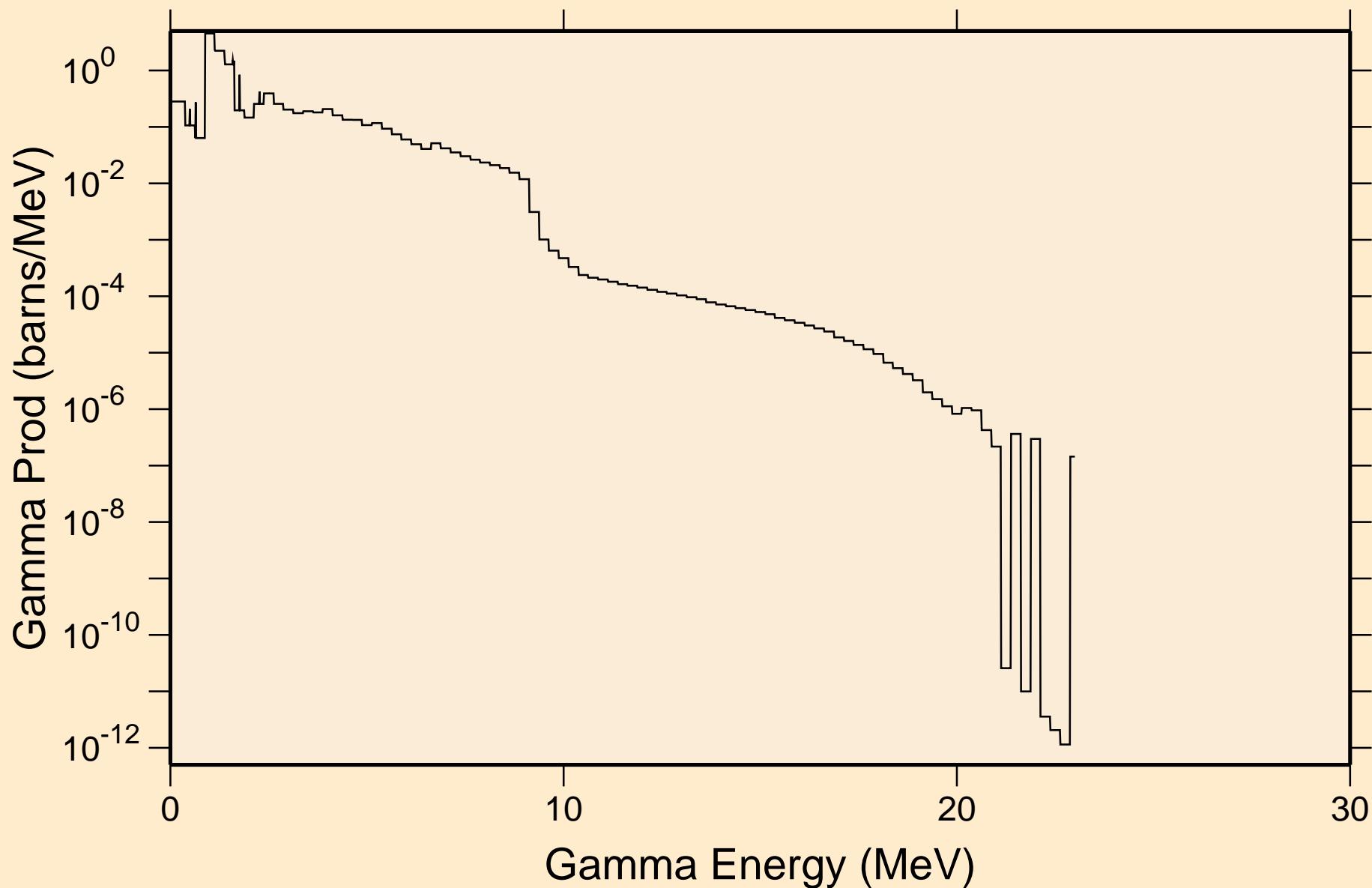
ENDF/B-VII TI-49  
Photon emission for  $(n, \alpha)$



ENDF/B-VII TI-49  
thermal capture photon spectrum

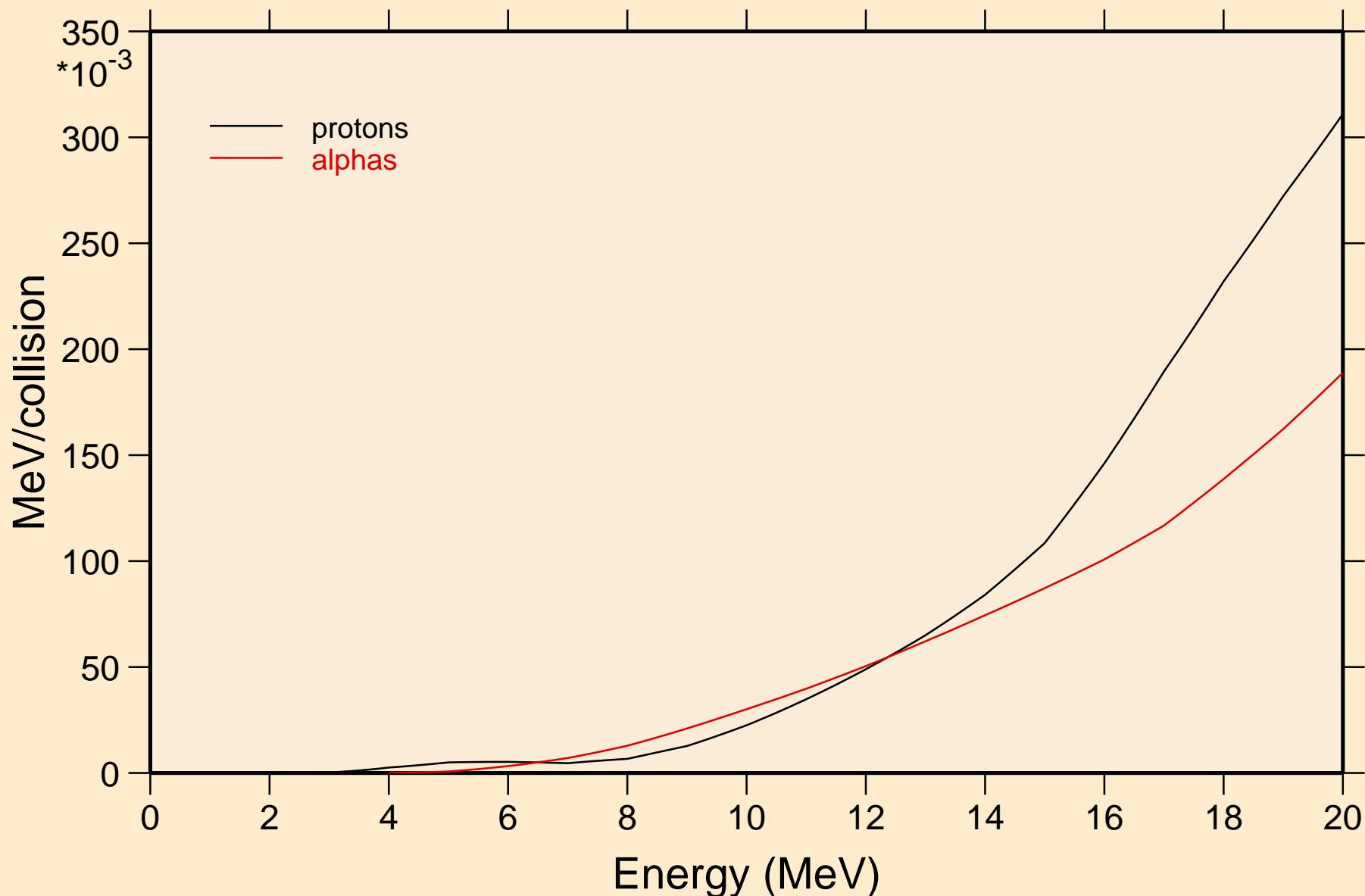


ENDF/B-VII TI-49  
14 MeV photon spectrum



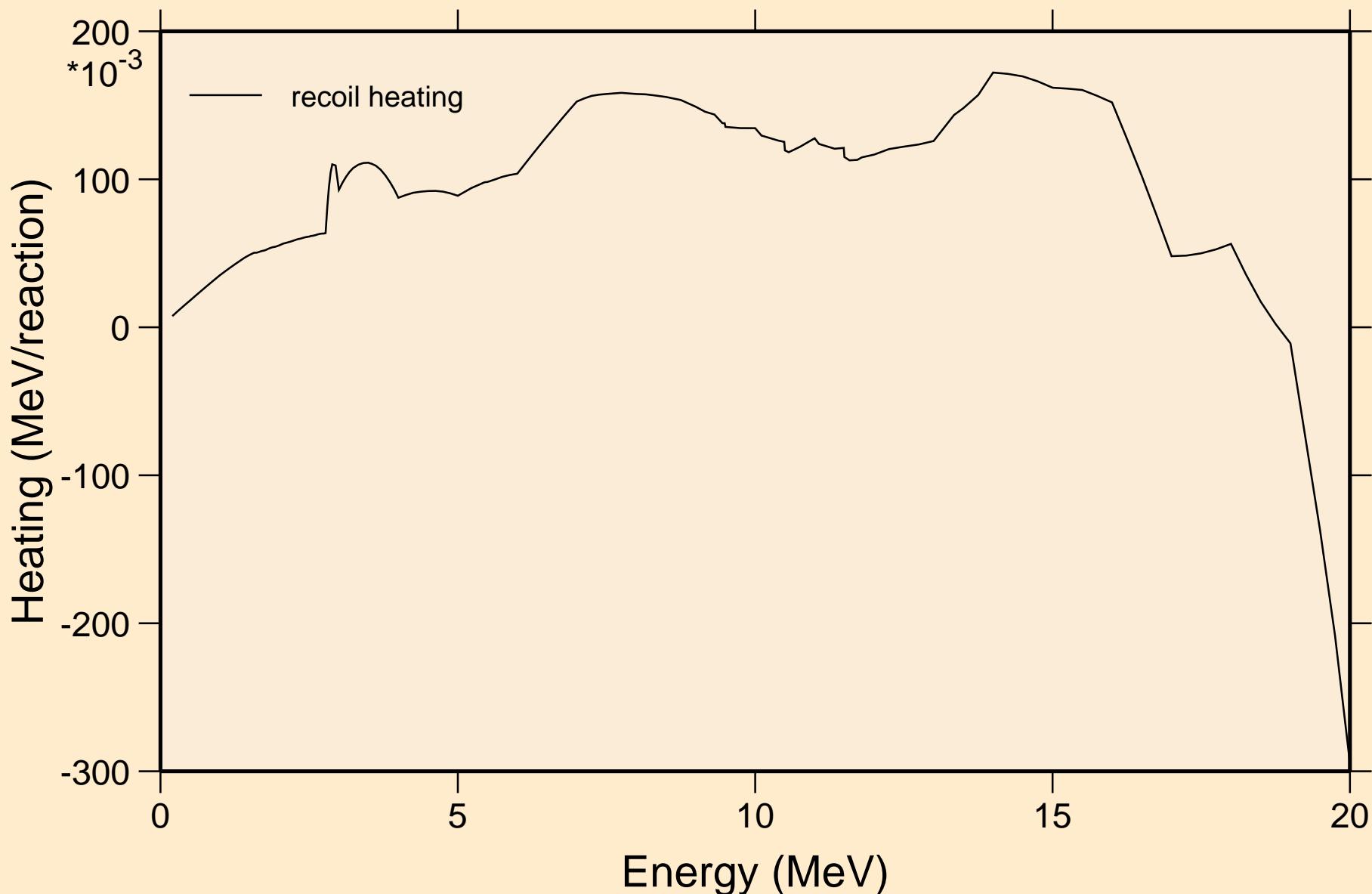
# ENDF/B-VII TI-49

## Particle heating contributions



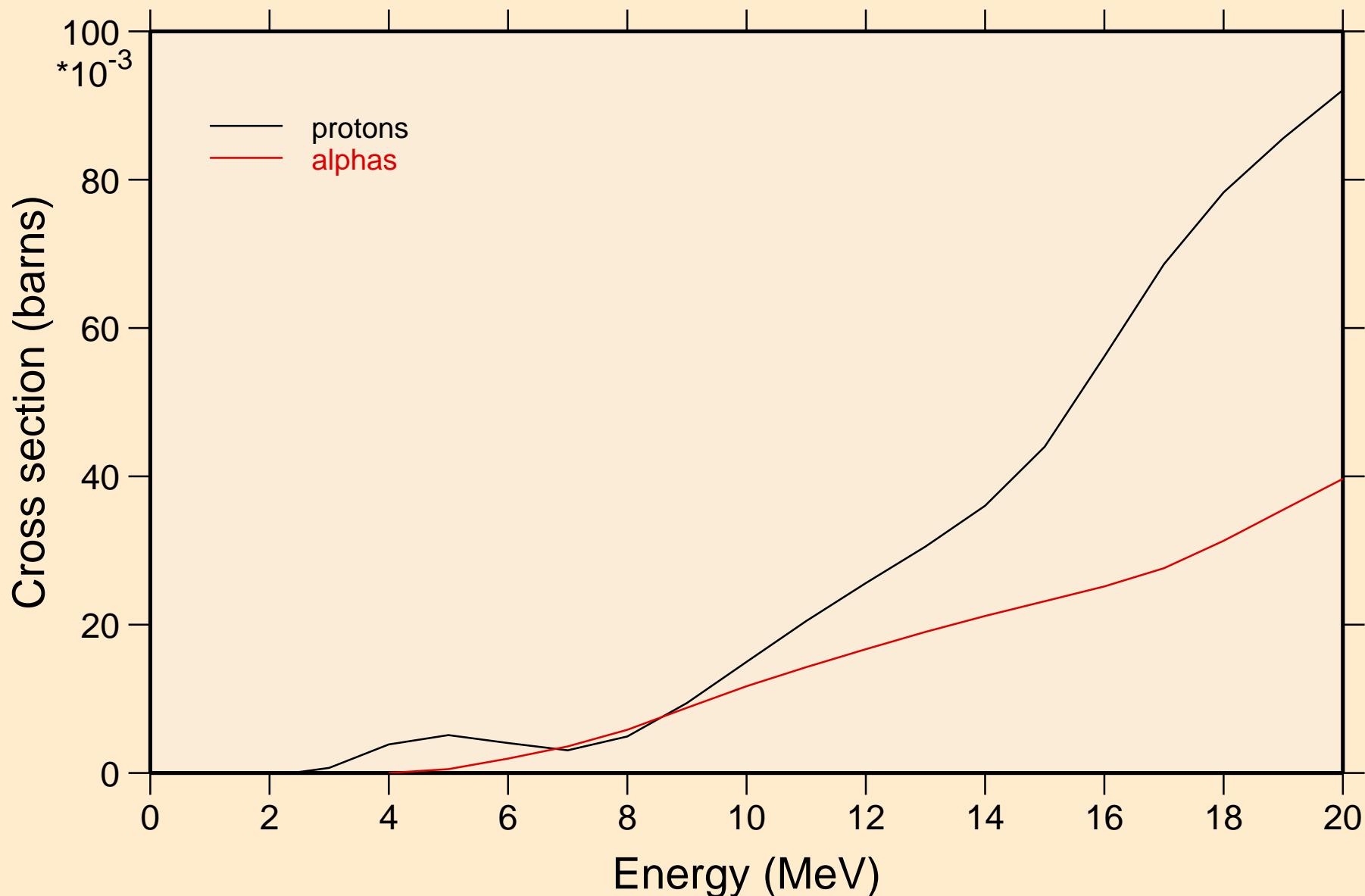
# ENDF/B-VII TI-49

## Recoil Heating

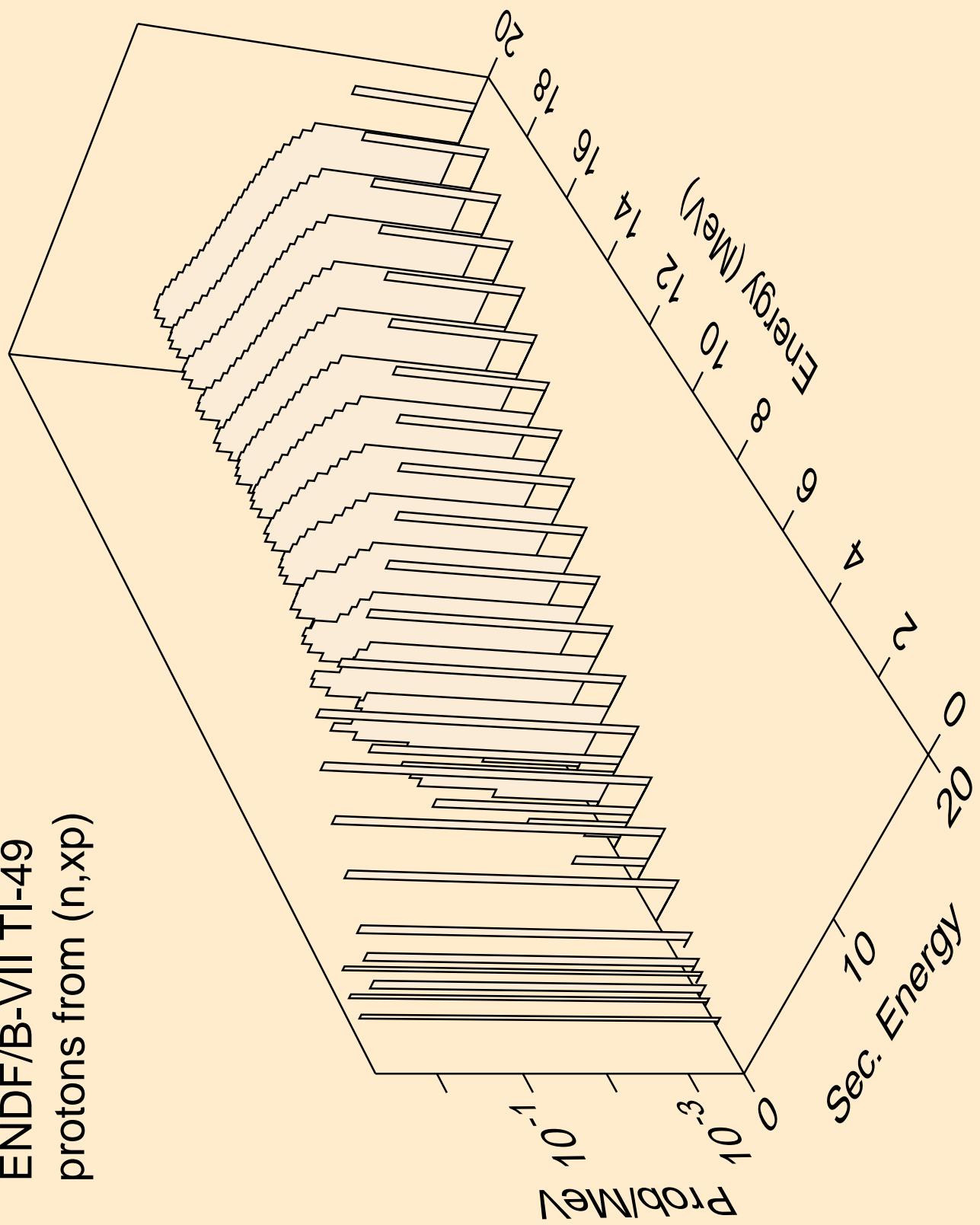


# ENDF/B-VII TI-49

## Particle production cross sections



ENDF/B-VII TI-49  
protons from ( $n, xp$ )



ENDF/B-VII Tl-49  
alphas from ( $n, \alpha$ )

