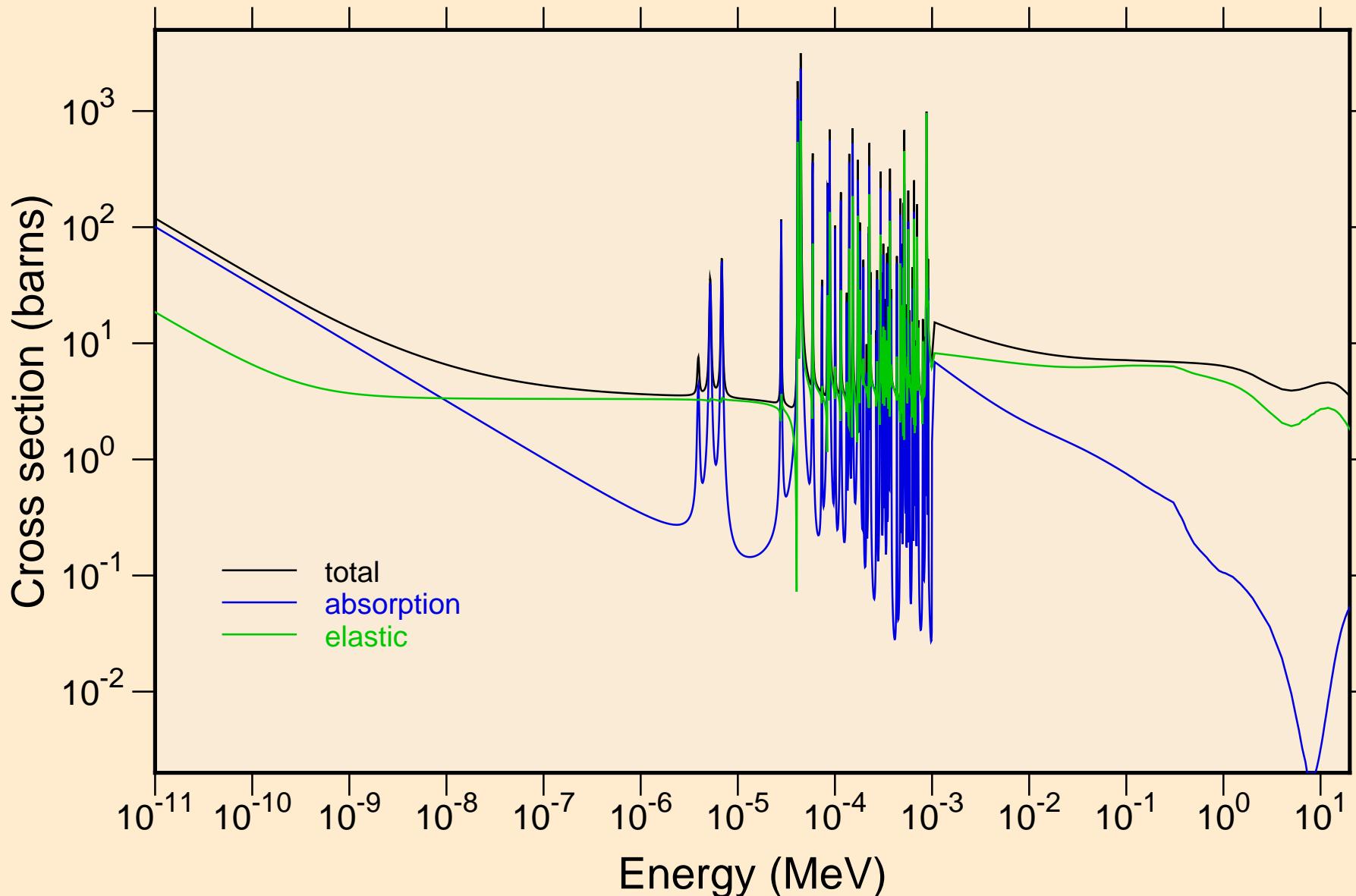
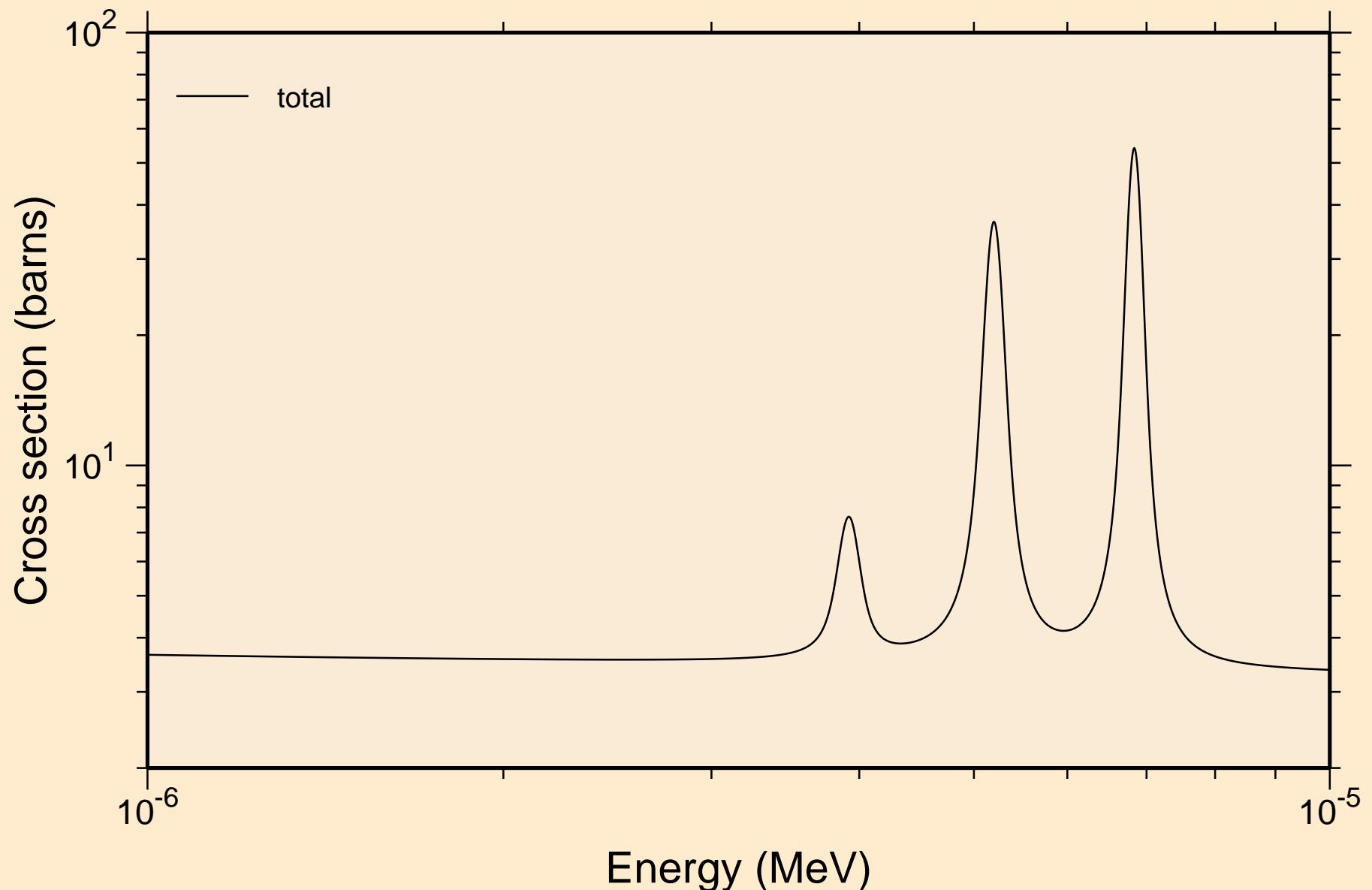


# ENDF/B-VII PD-107

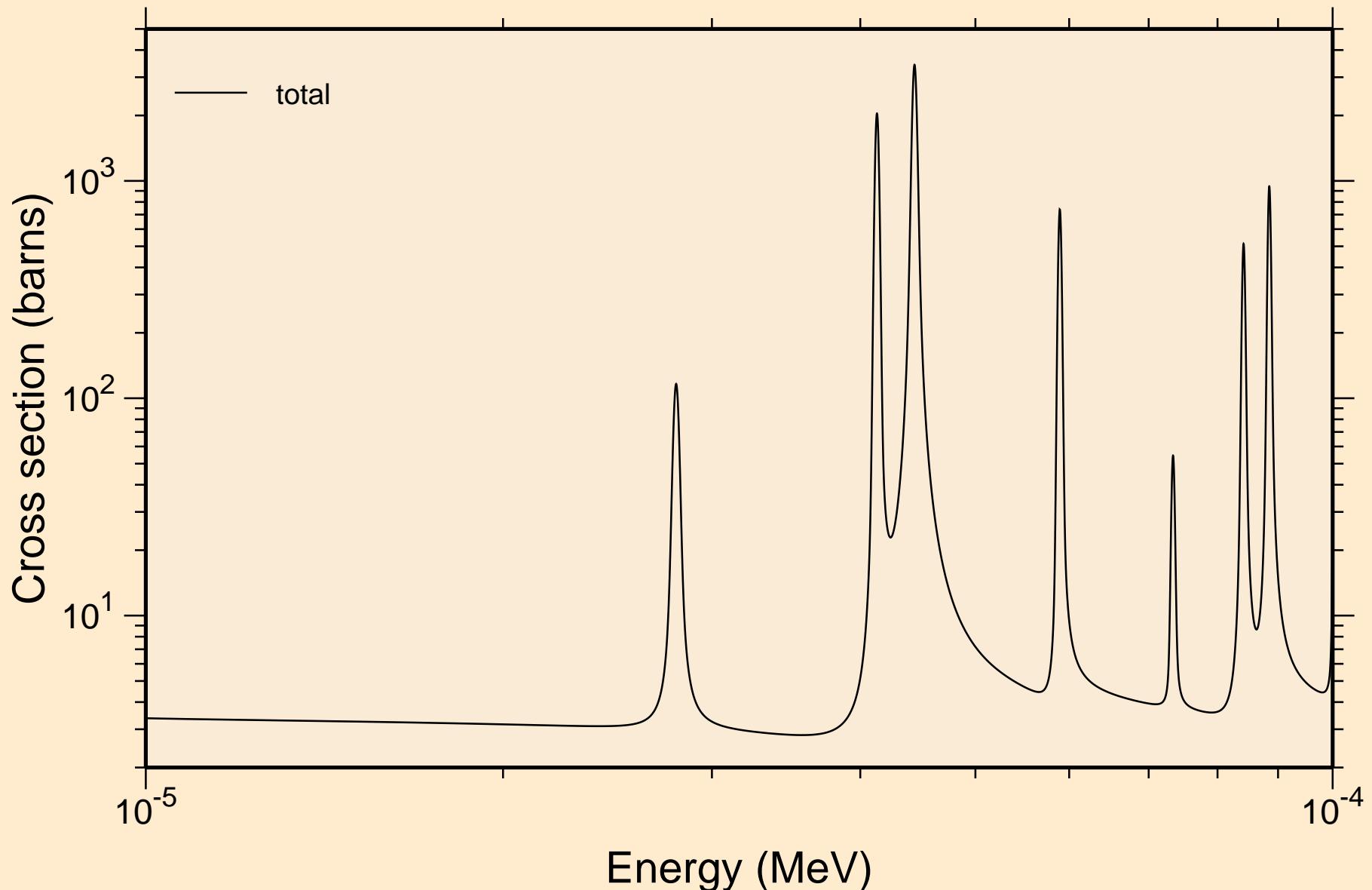
## Principal cross sections



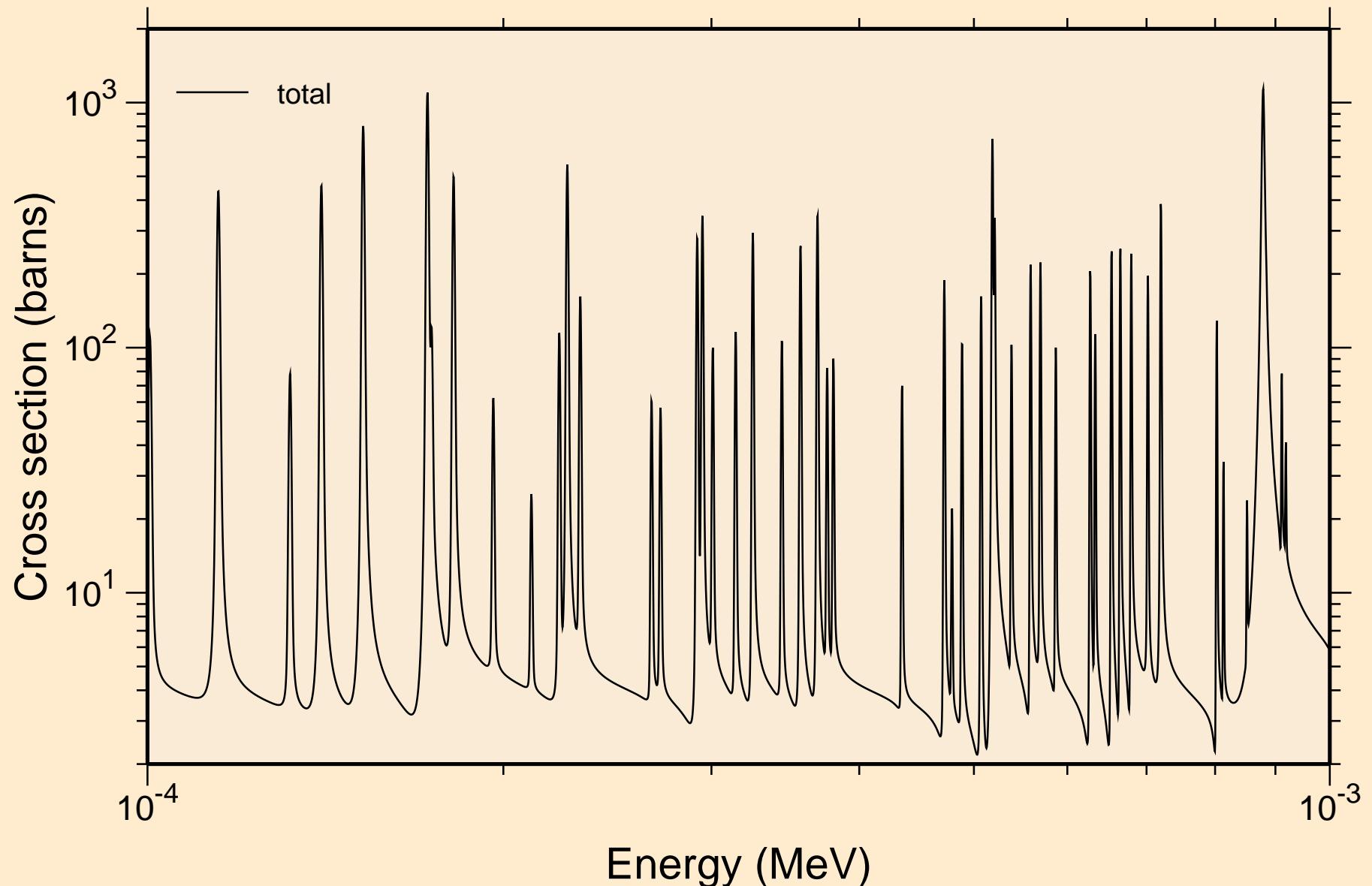
ENDF/B-VII PD-107  
resonance total cross section



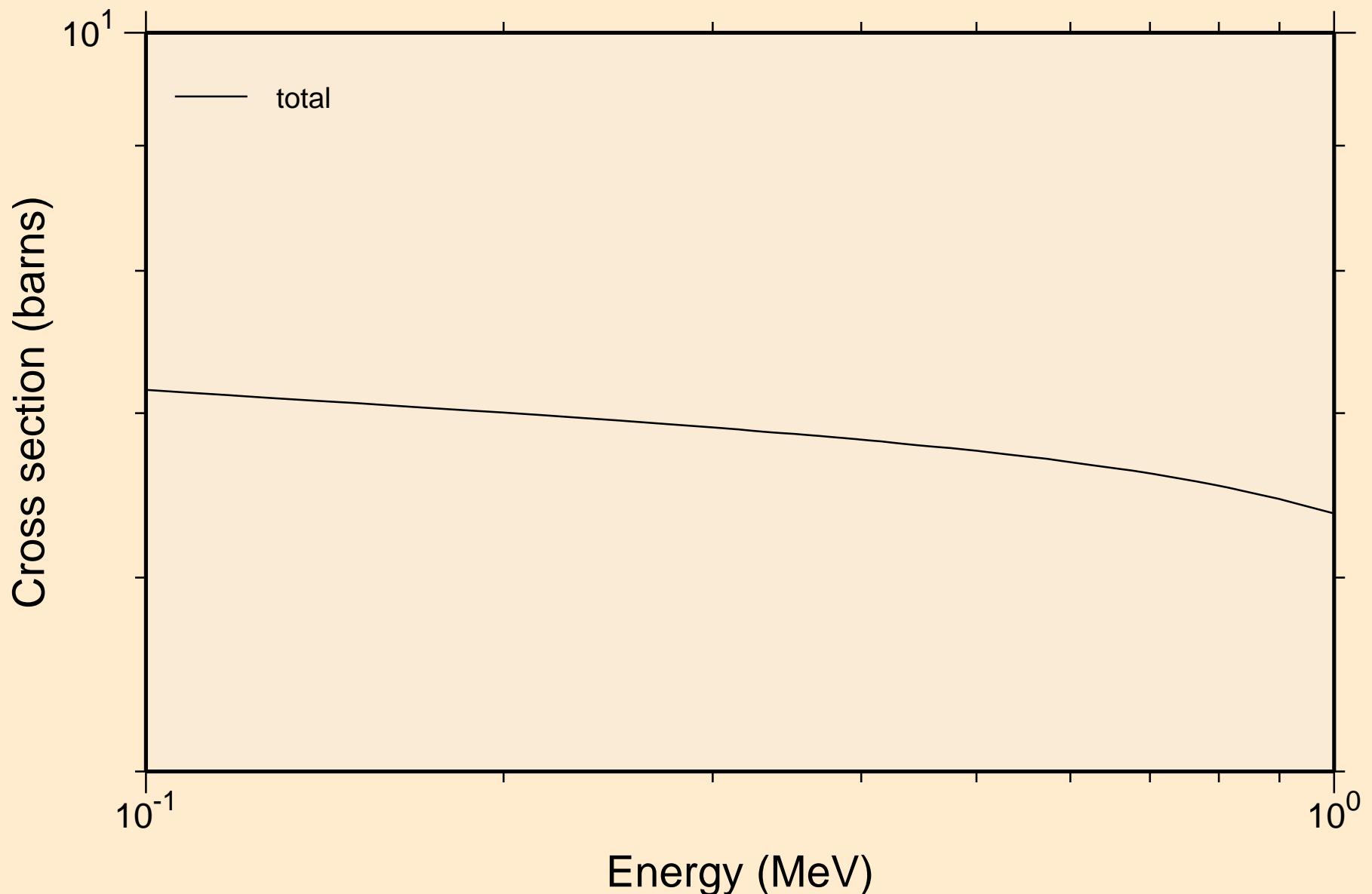
ENDF/B-VII PD-107  
resonance total cross section



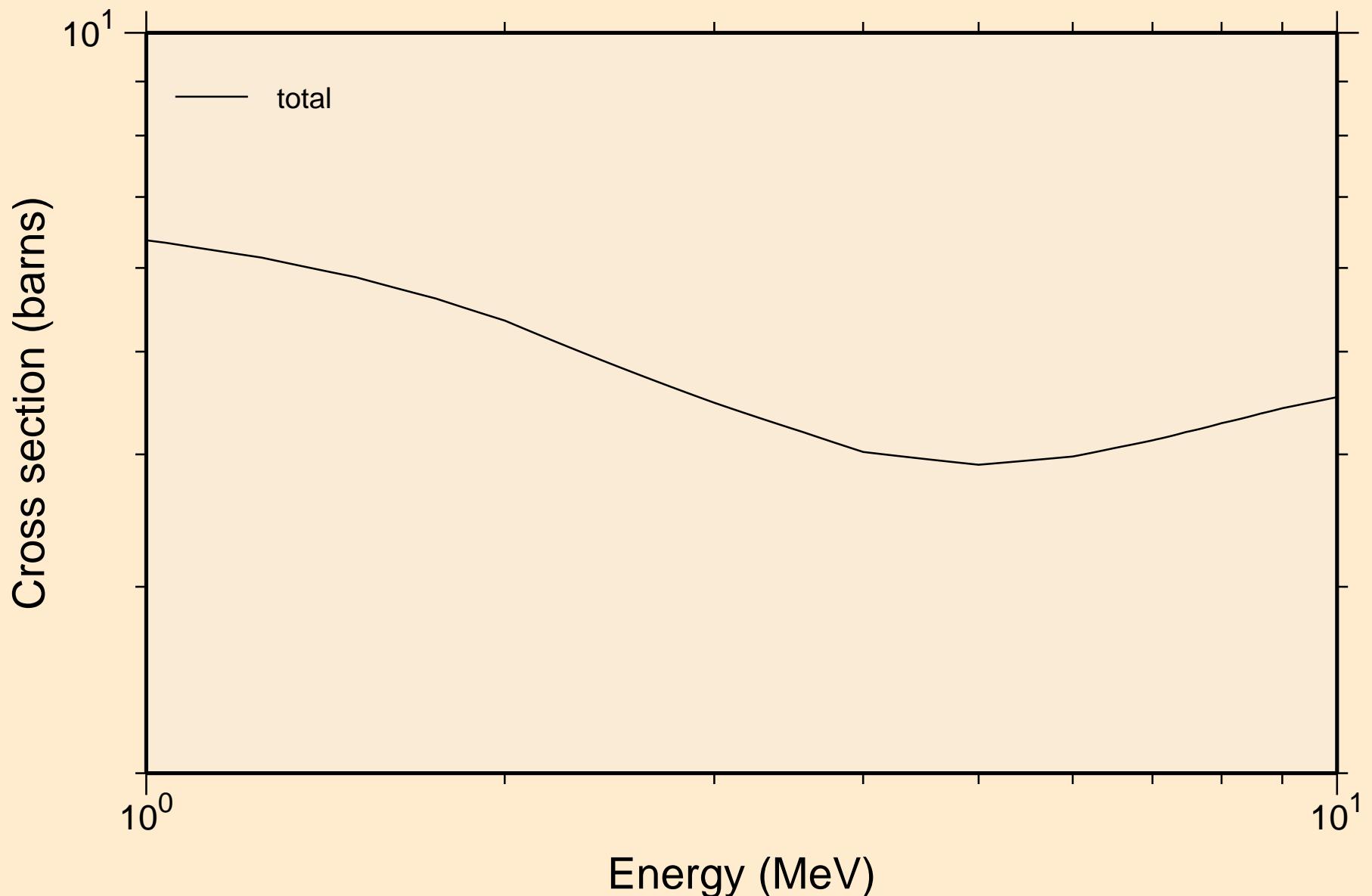
ENDF/B-VII PD-107  
resonance total cross section



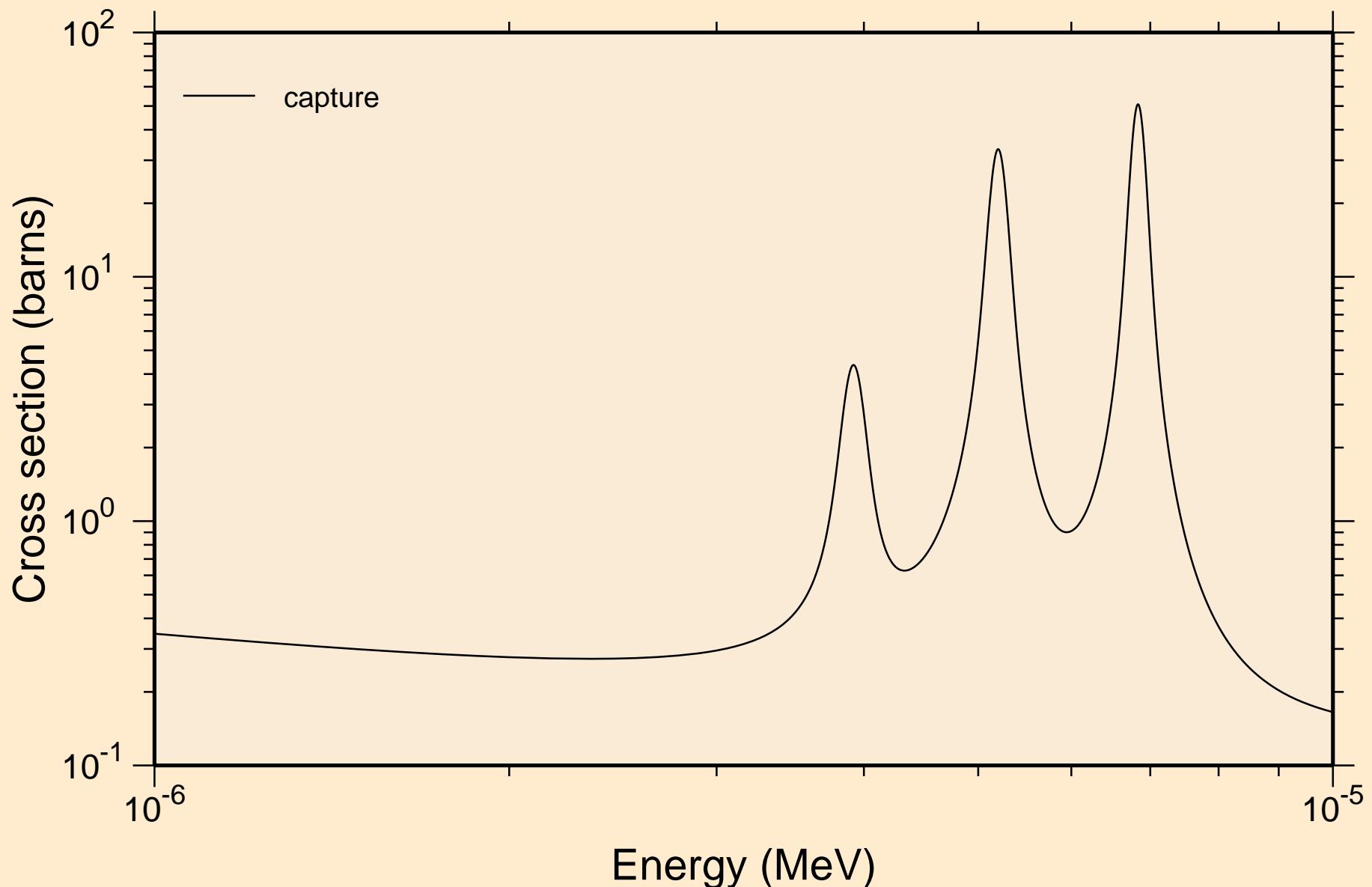
ENDF/B-VII PD-107  
resonance total cross section



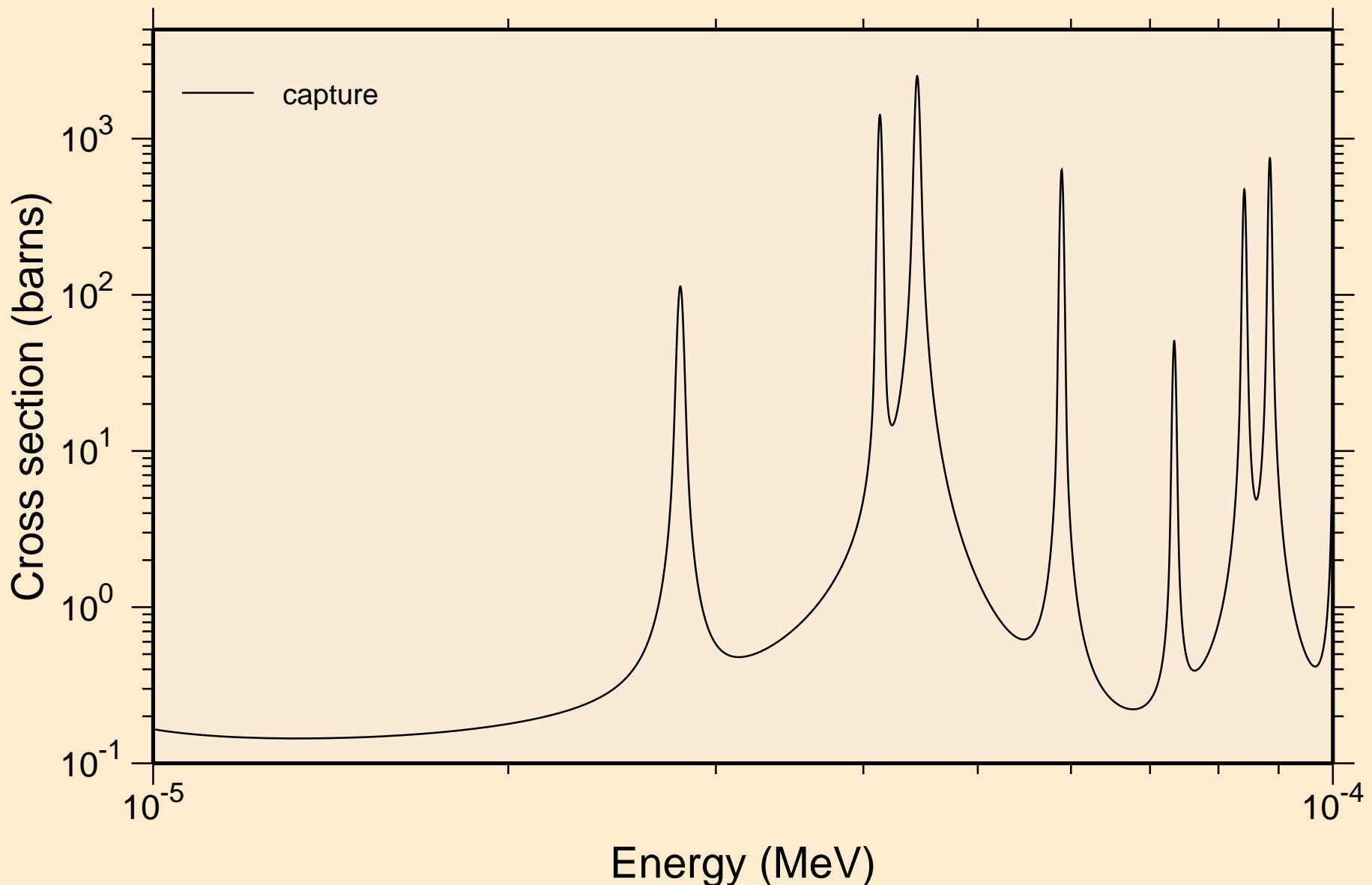
ENDF/B-VII PD-107  
resonance total cross section



ENDF/B-VII PD-107  
resonance absorption cross sections

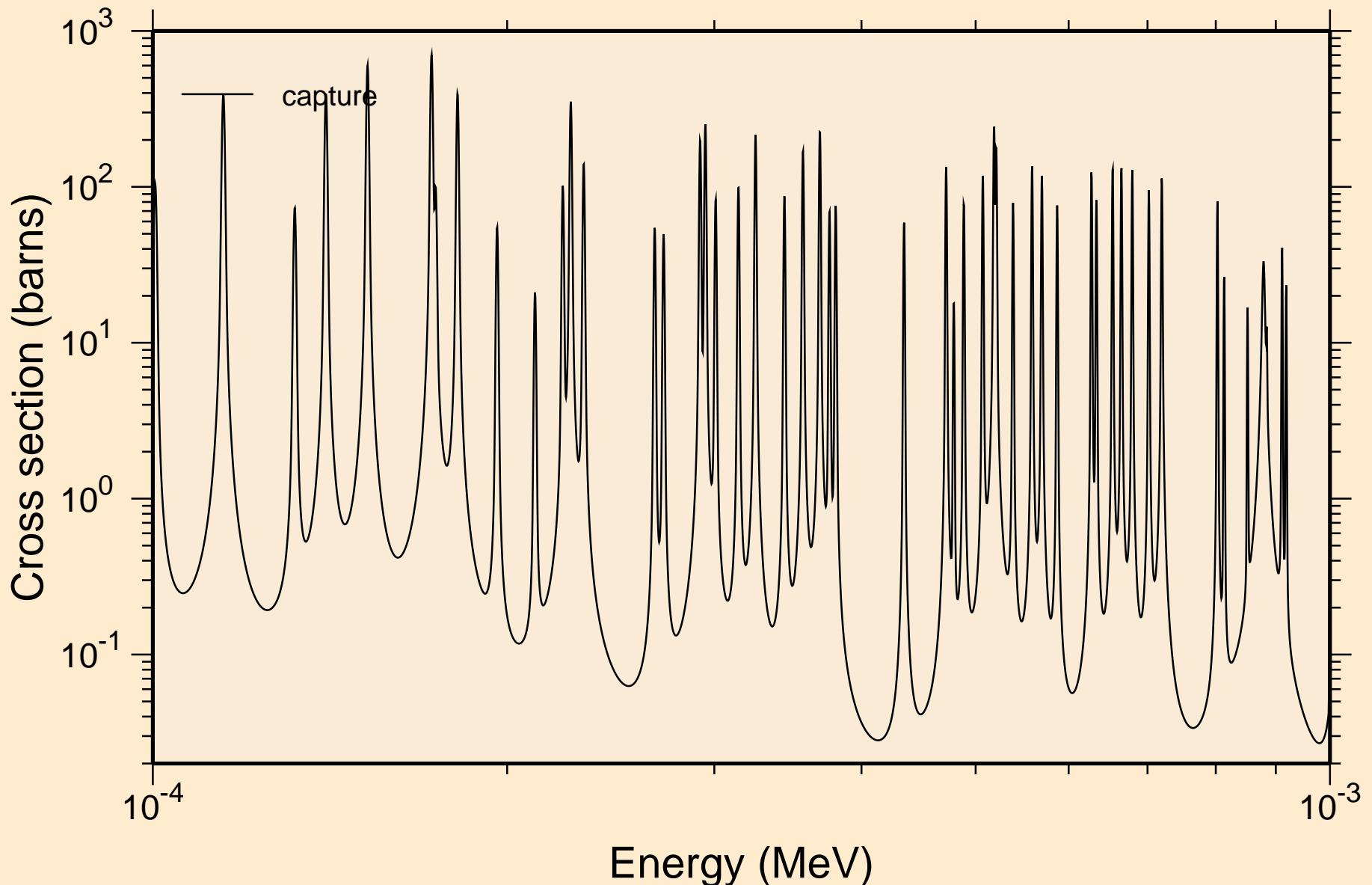


ENDF/B-VII PD-107  
resonance absorption cross sections

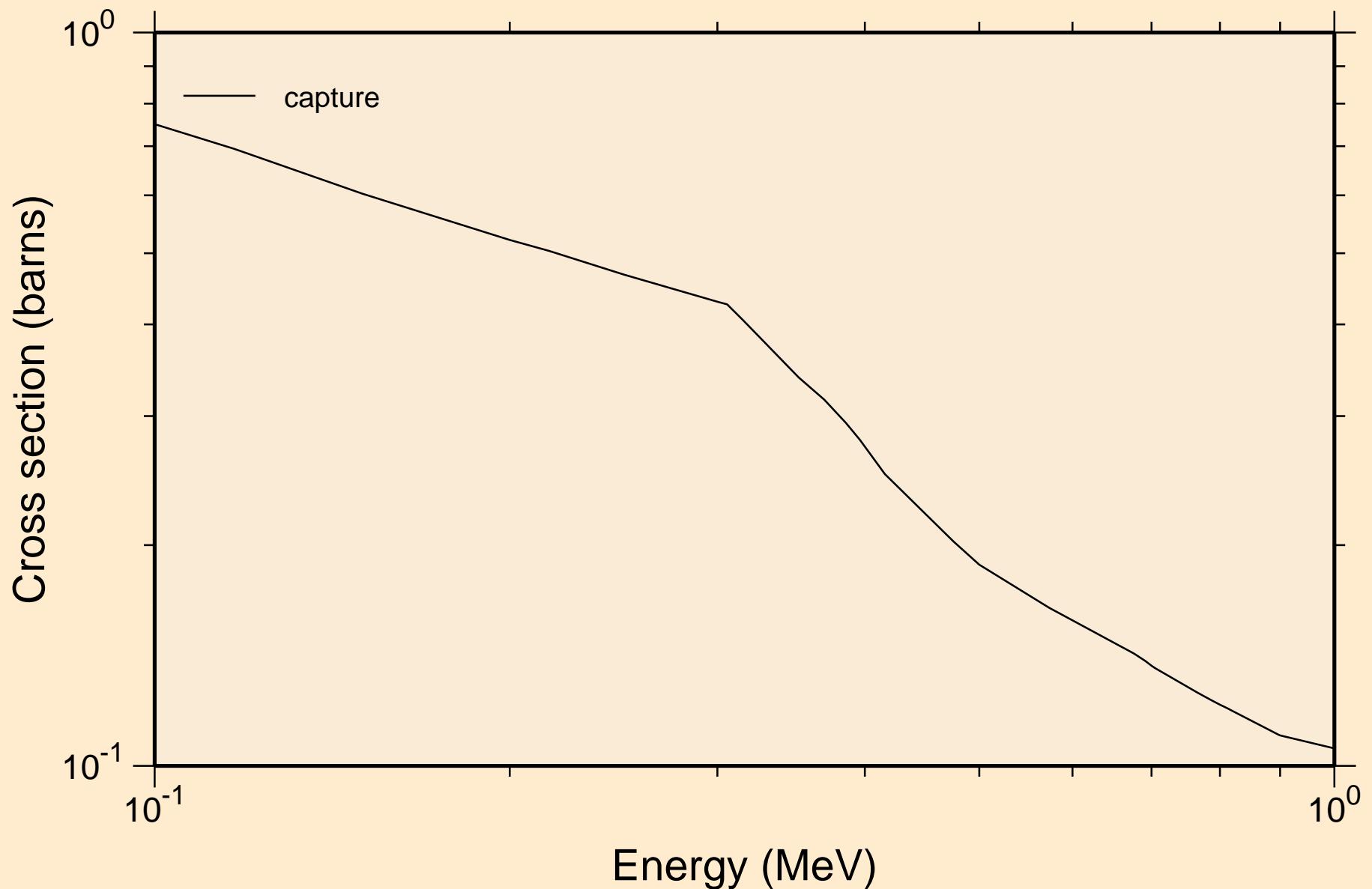


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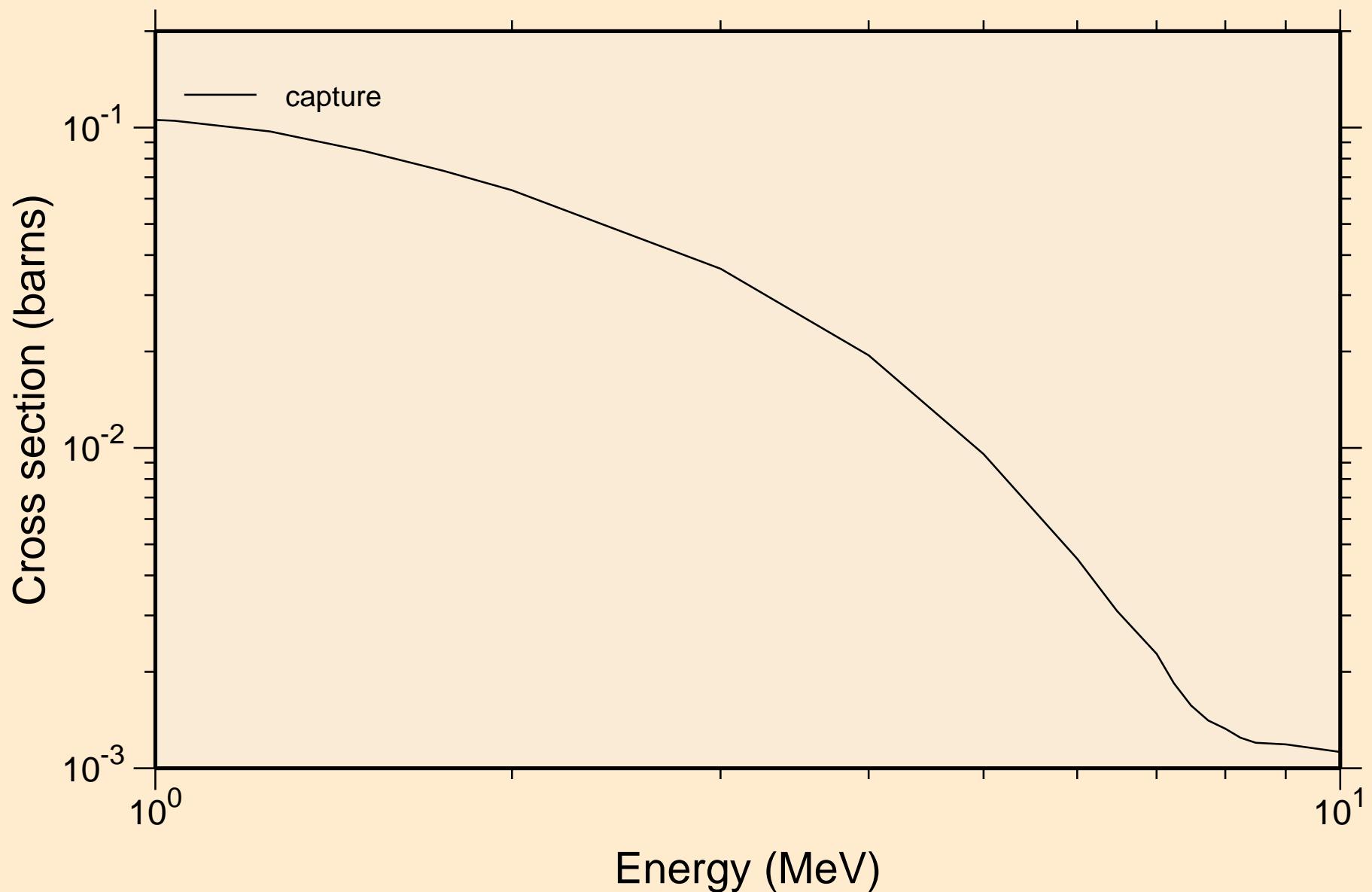
## resonance absorption cross sections



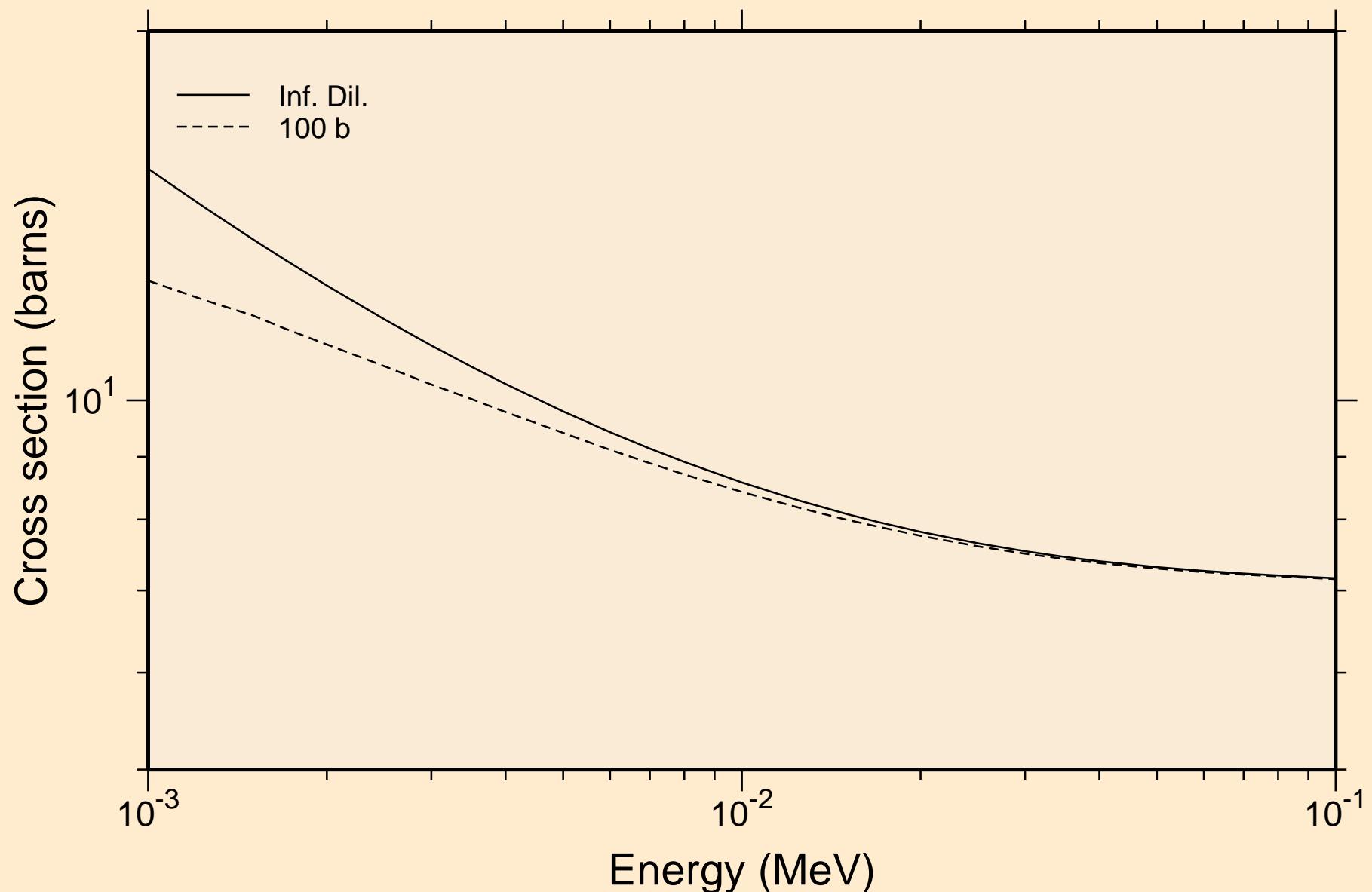
ENDF/B-VII PD-107  
resonance absorption cross sections



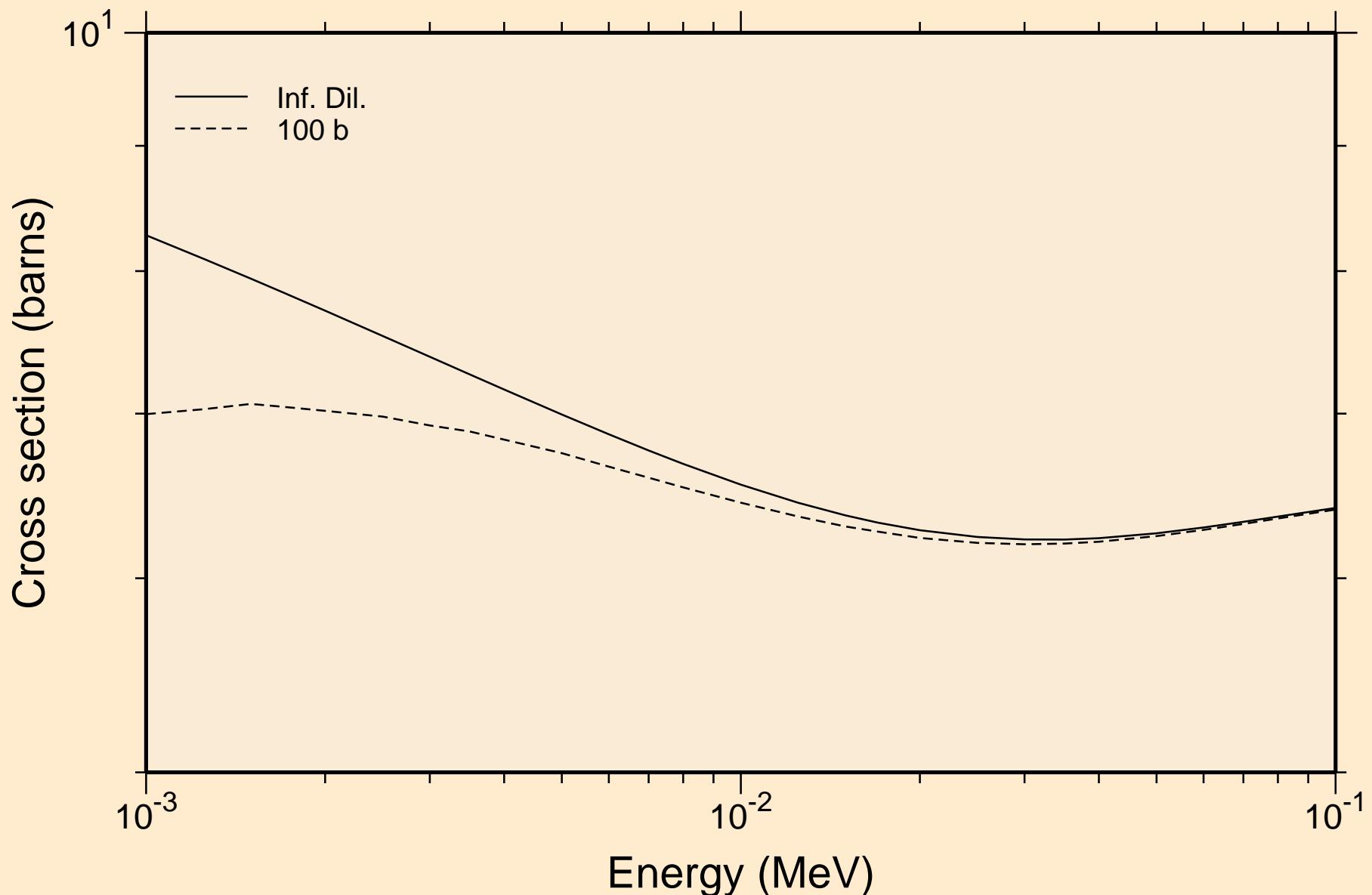
ENDF/B-VII PD-107  
resonance absorption cross sections



ENDF/B-VII PD-107  
UR total cross section

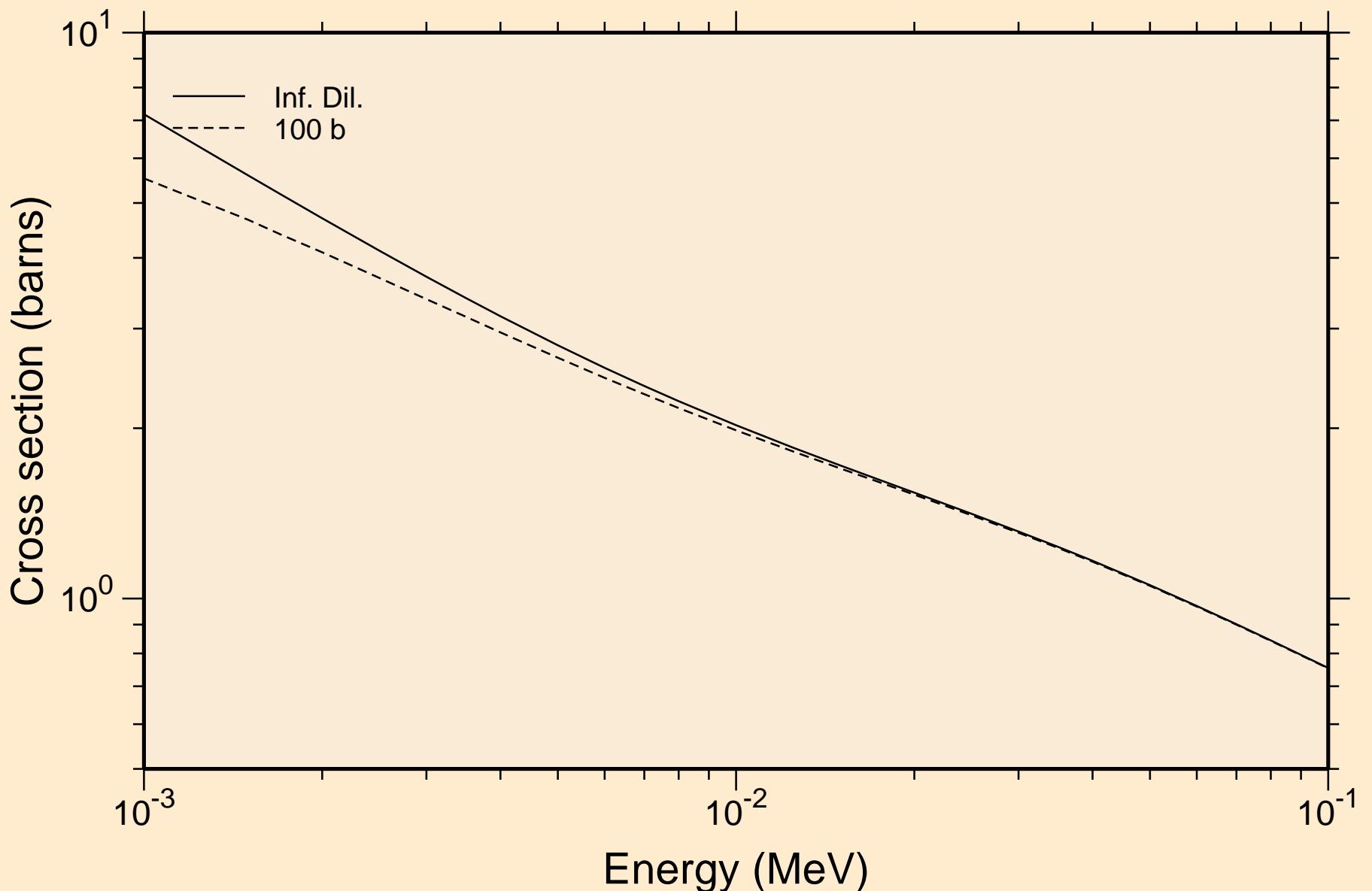


ENDF/B-VII PD-107  
UR elastic cross section

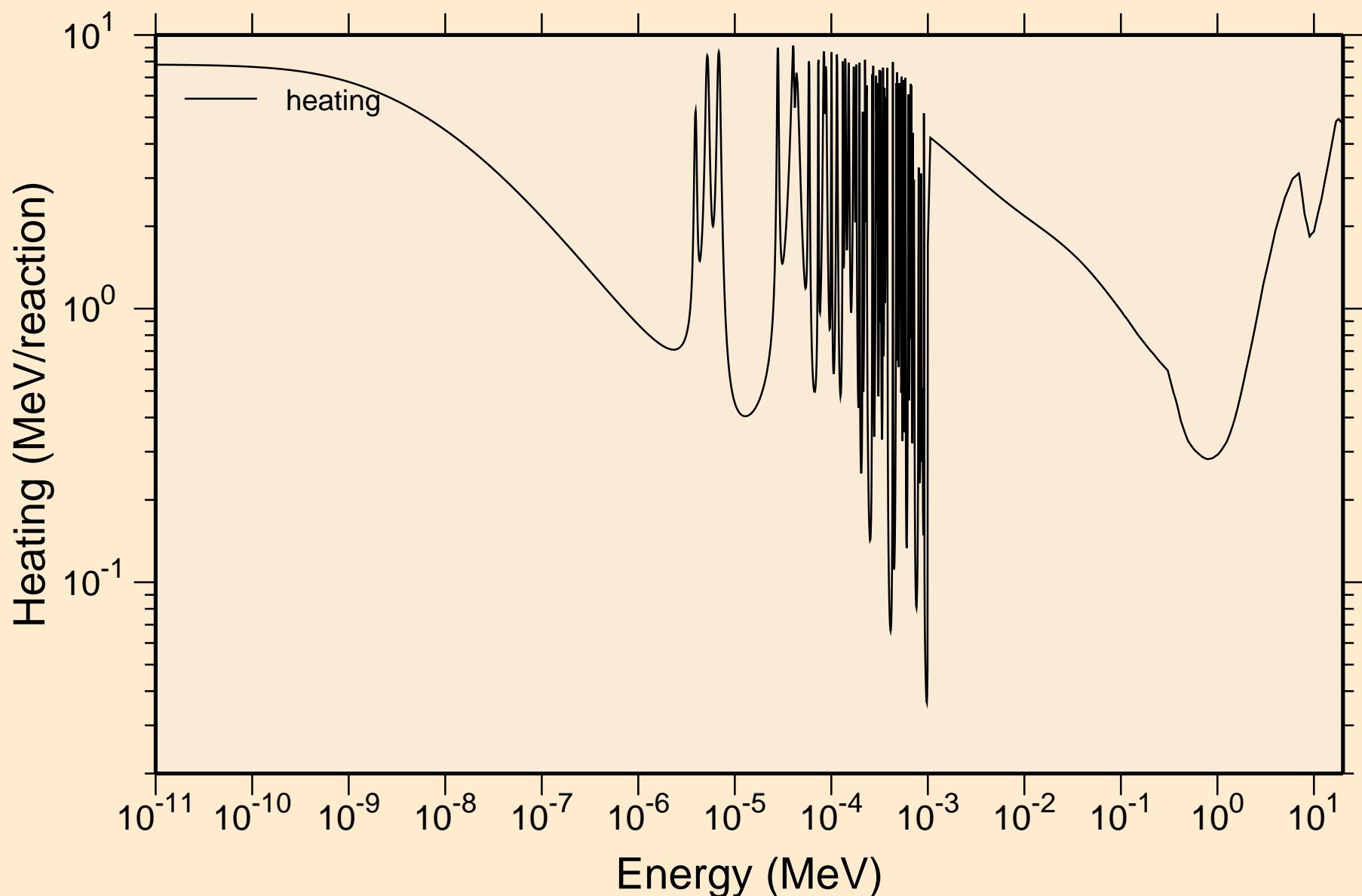


# ENDF/B-VII PD-107

## UR capture cross section

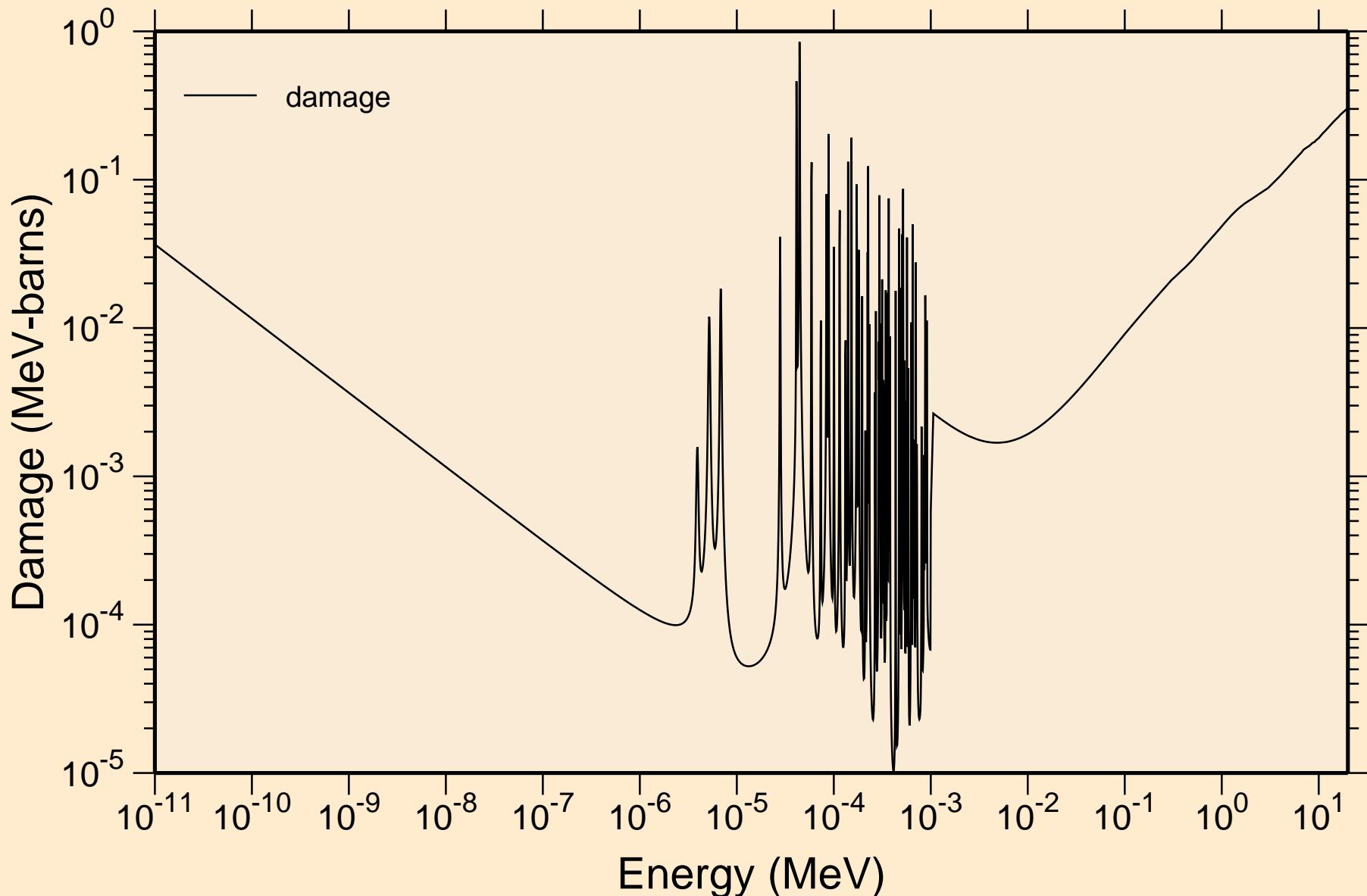


ENDF/B-VII PD-107  
Heating

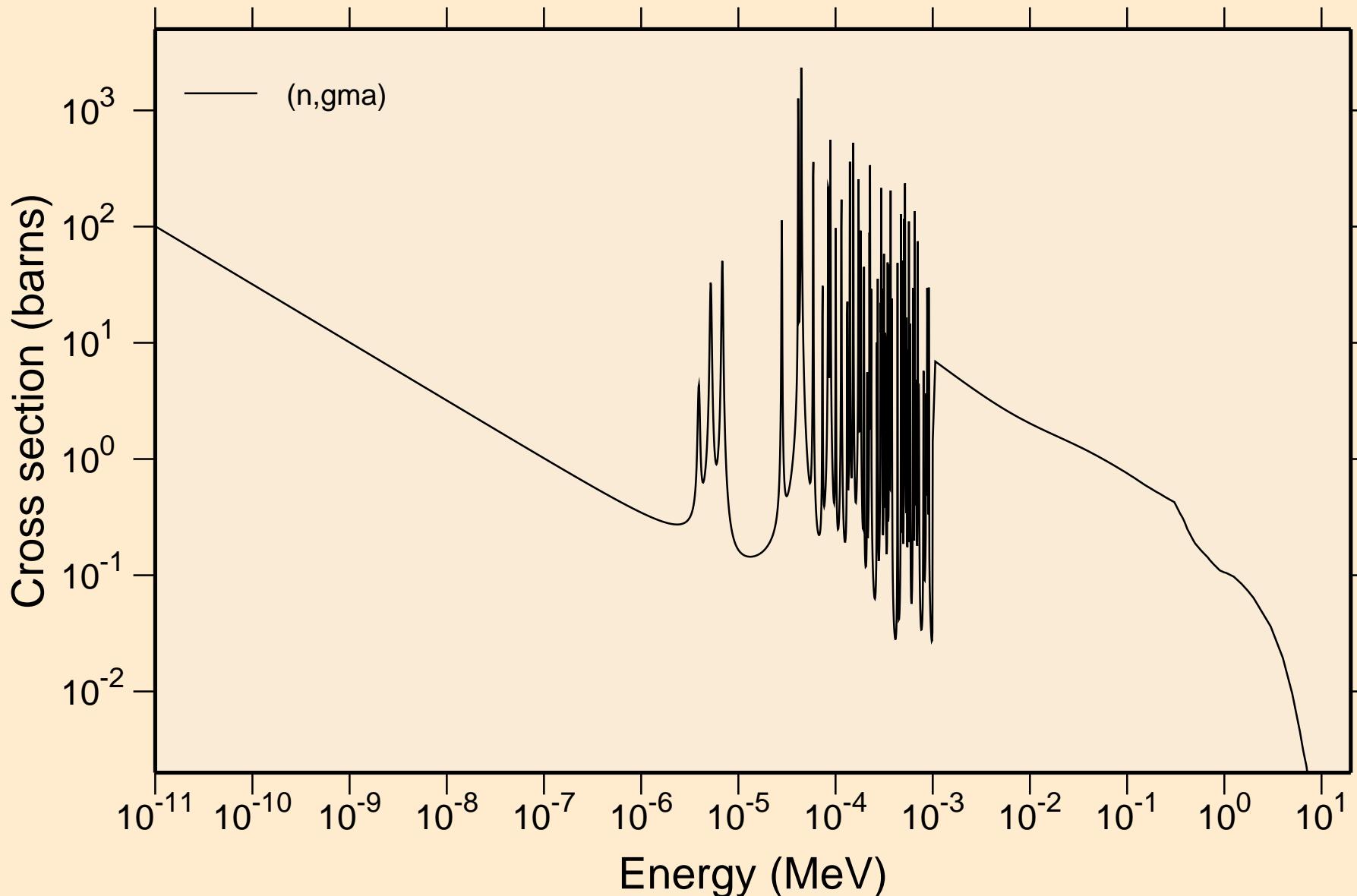


# ENDF/B-VII PD-107

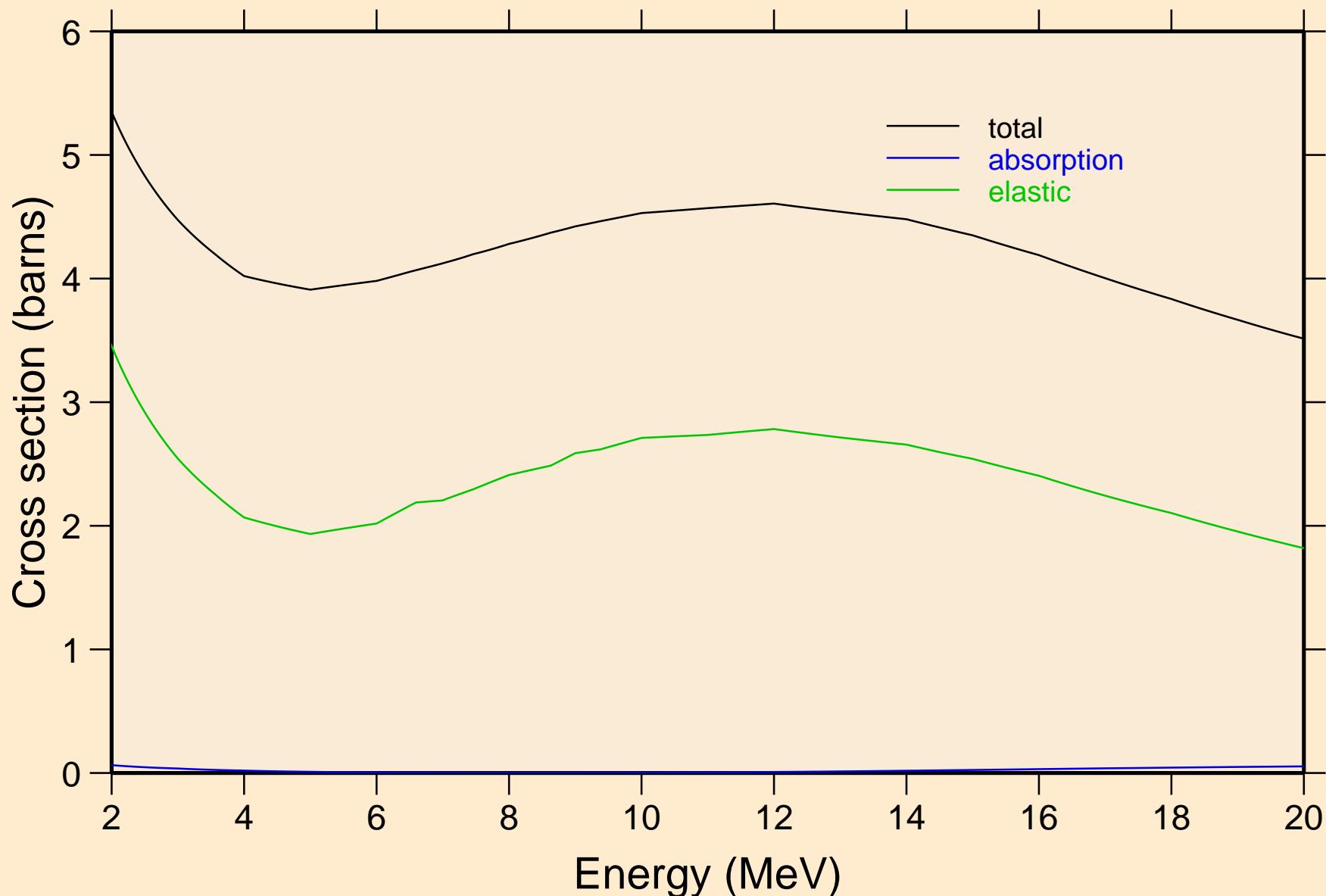
## Damage



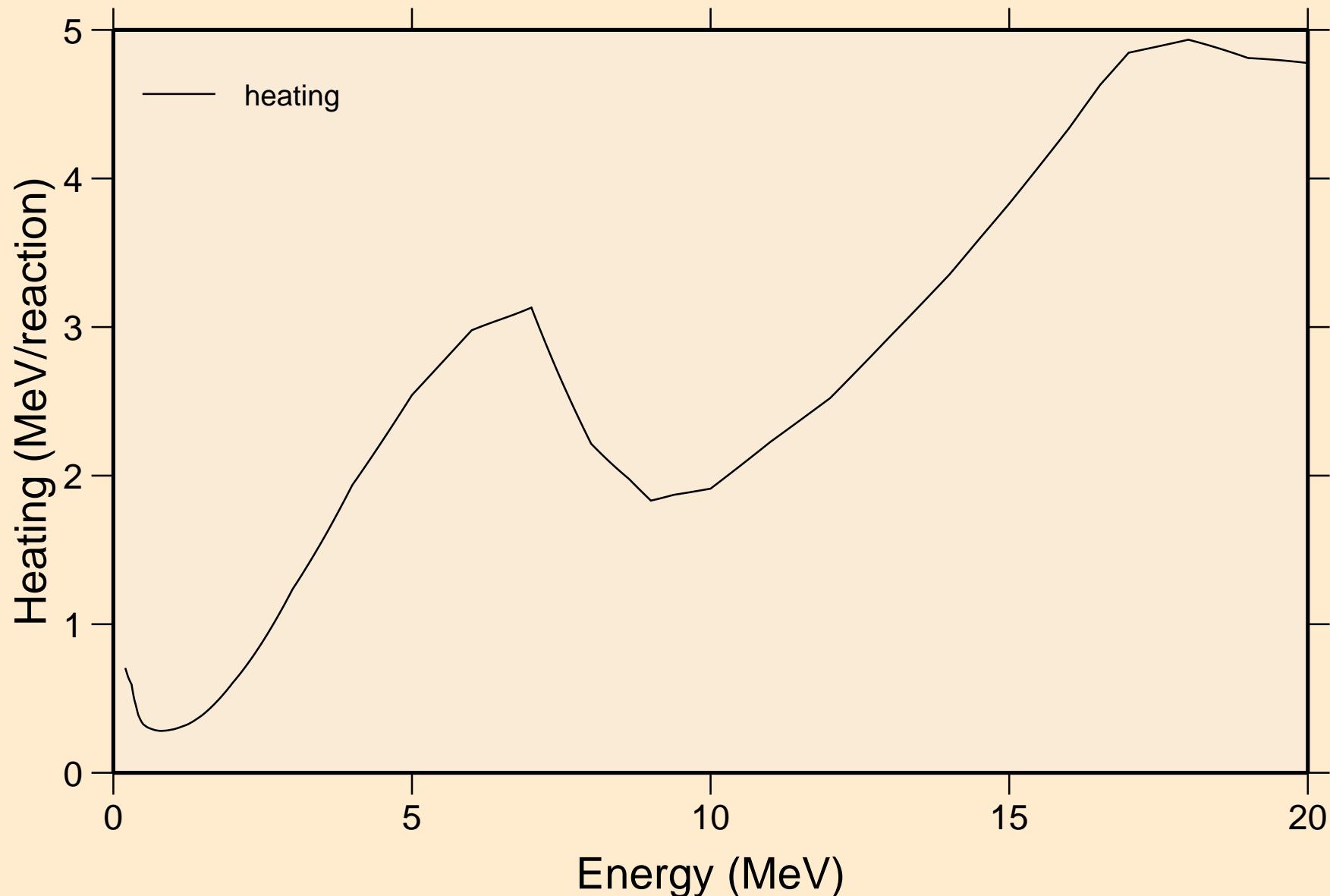
ENDF/B-VII PD-107  
Non-threshold reactions



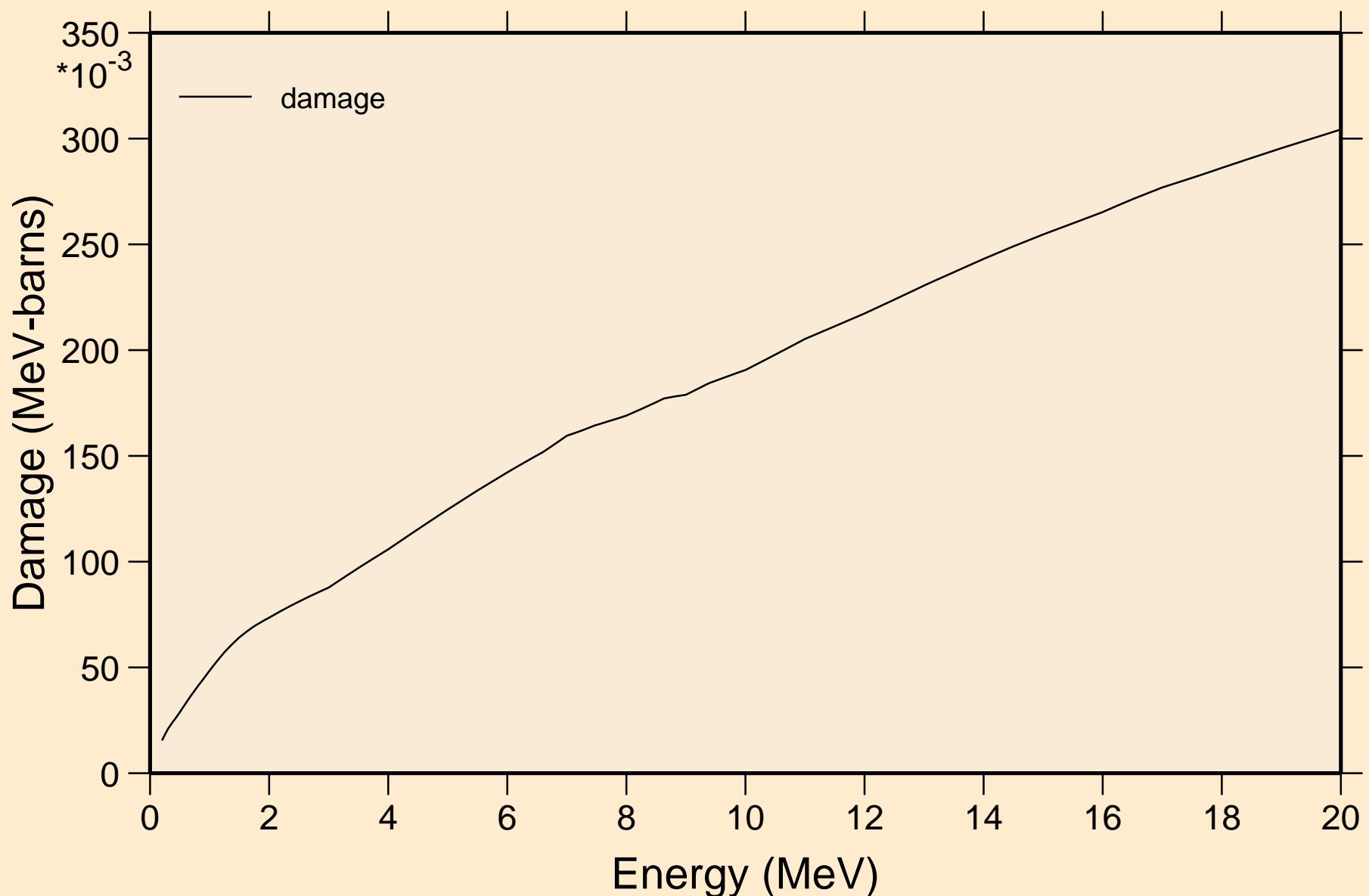
ENDF/B-VII PD-107  
Principal cross sections



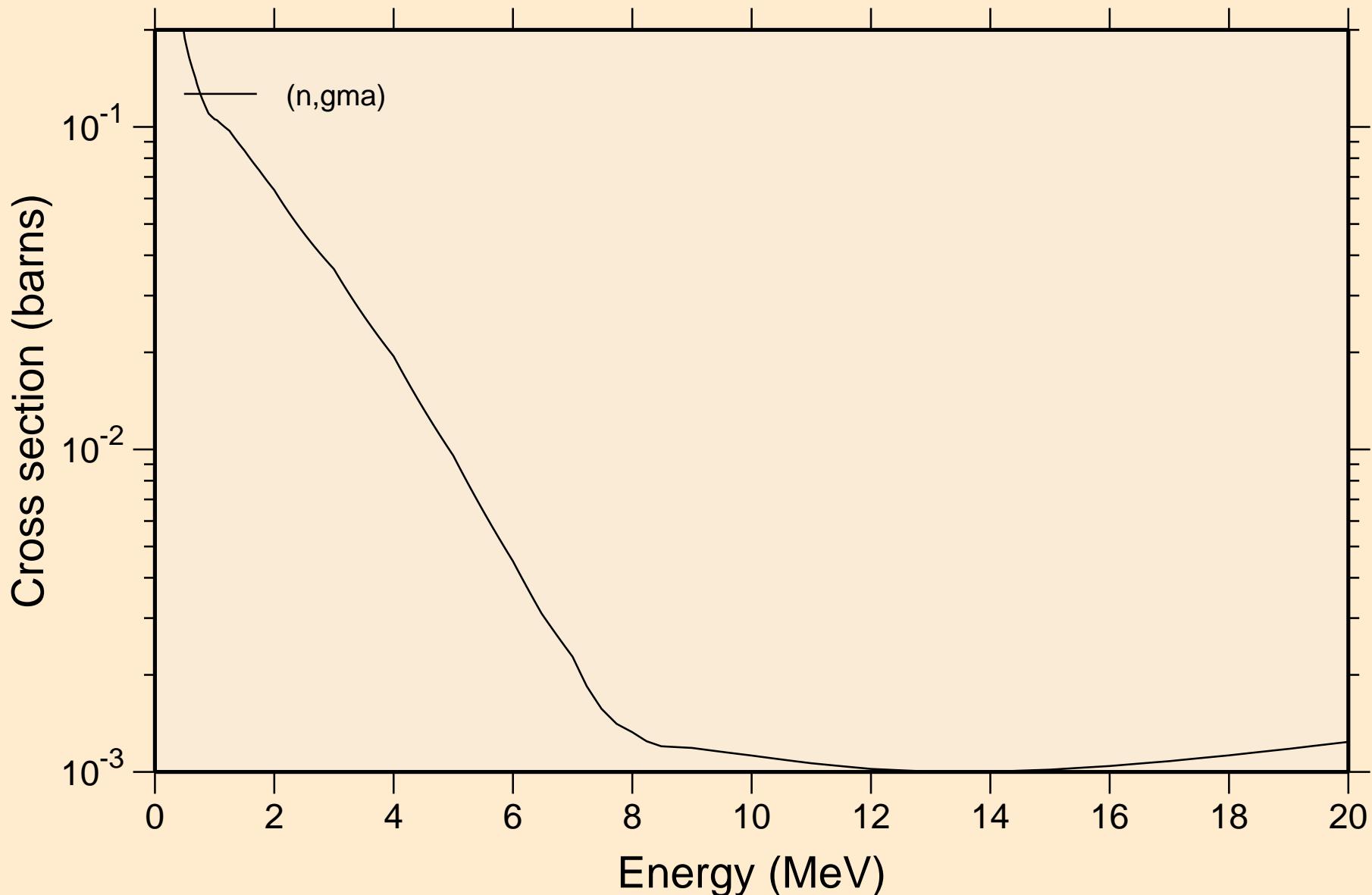
ENDF/B-VII PD-107  
Heating



ENDF/B-VII PD-107  
Damage

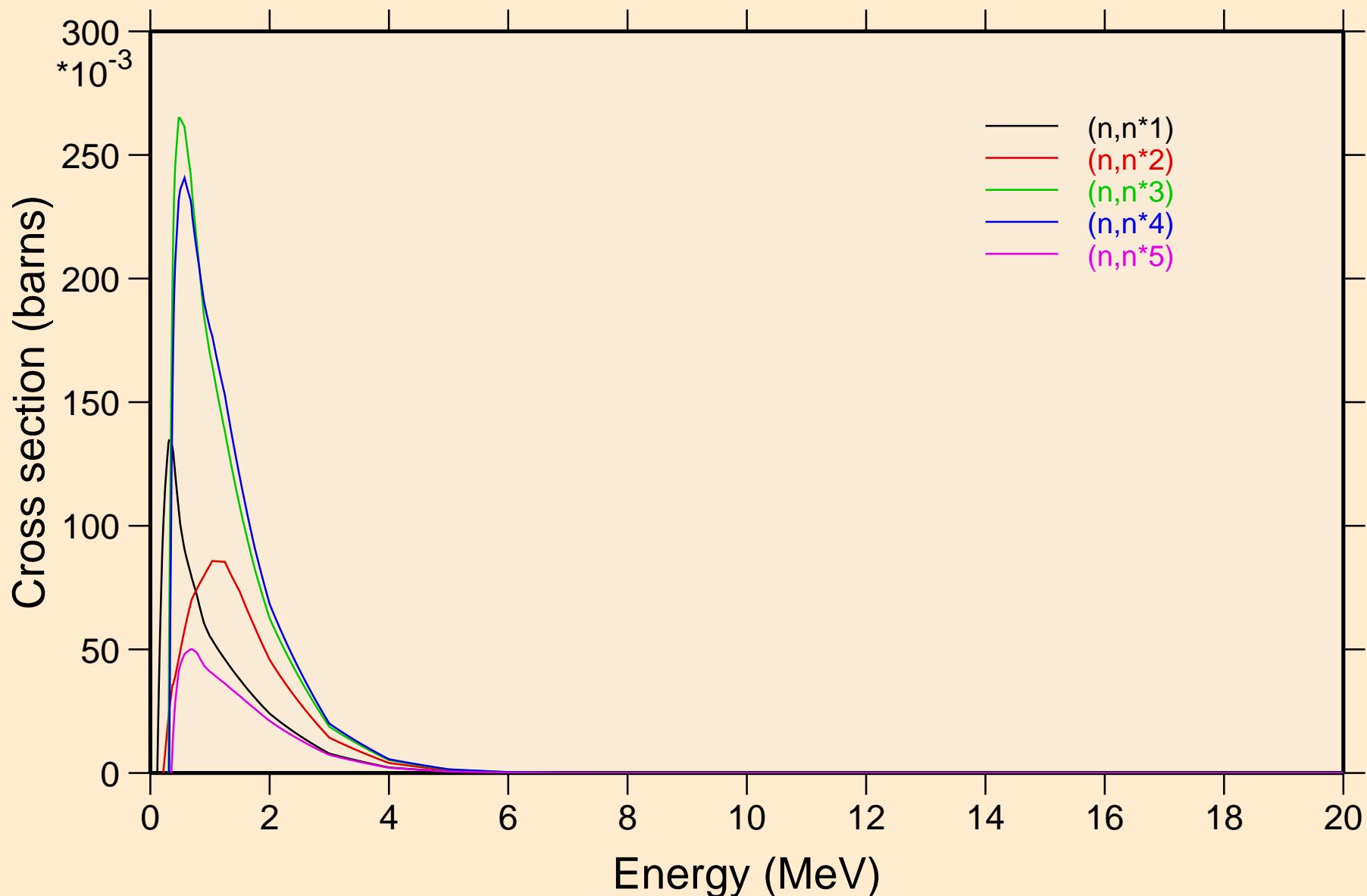


ENDF/B-VII PD-107  
Non-threshold reactions



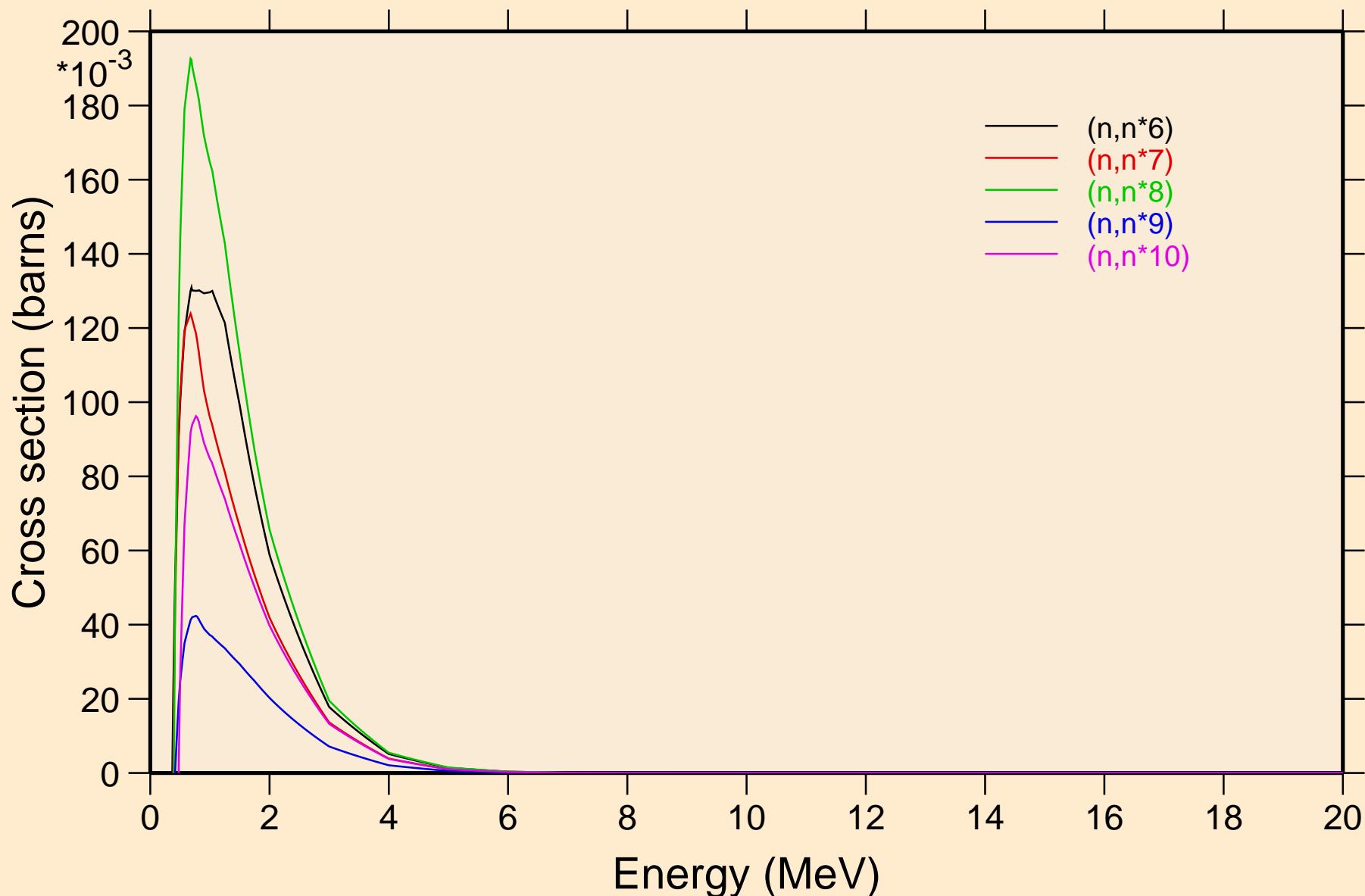
# ENDF/B-VII PD-107

## Inelastic levels



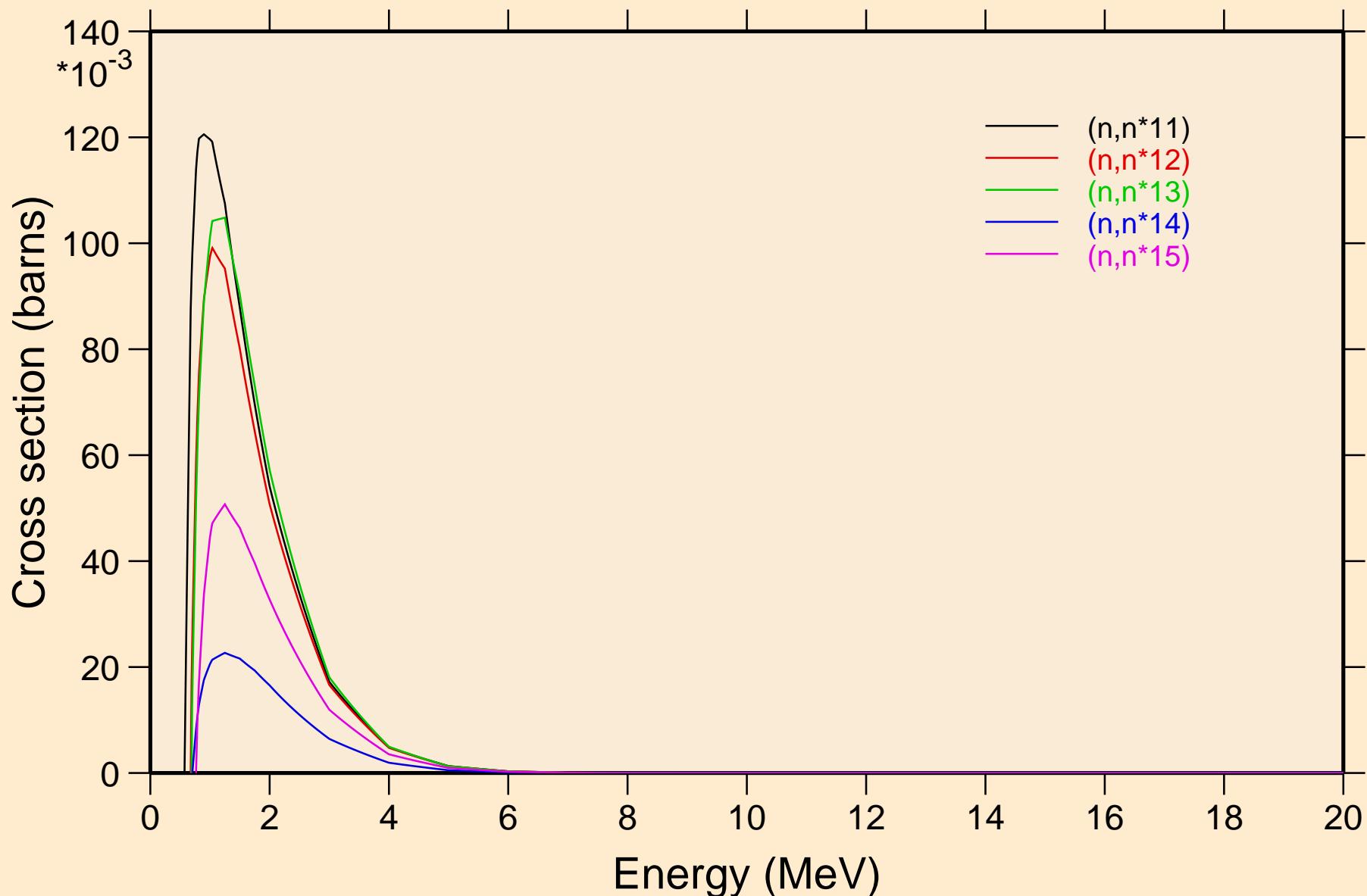
# ENDF/B-VII PD-107

## Inelastic levels



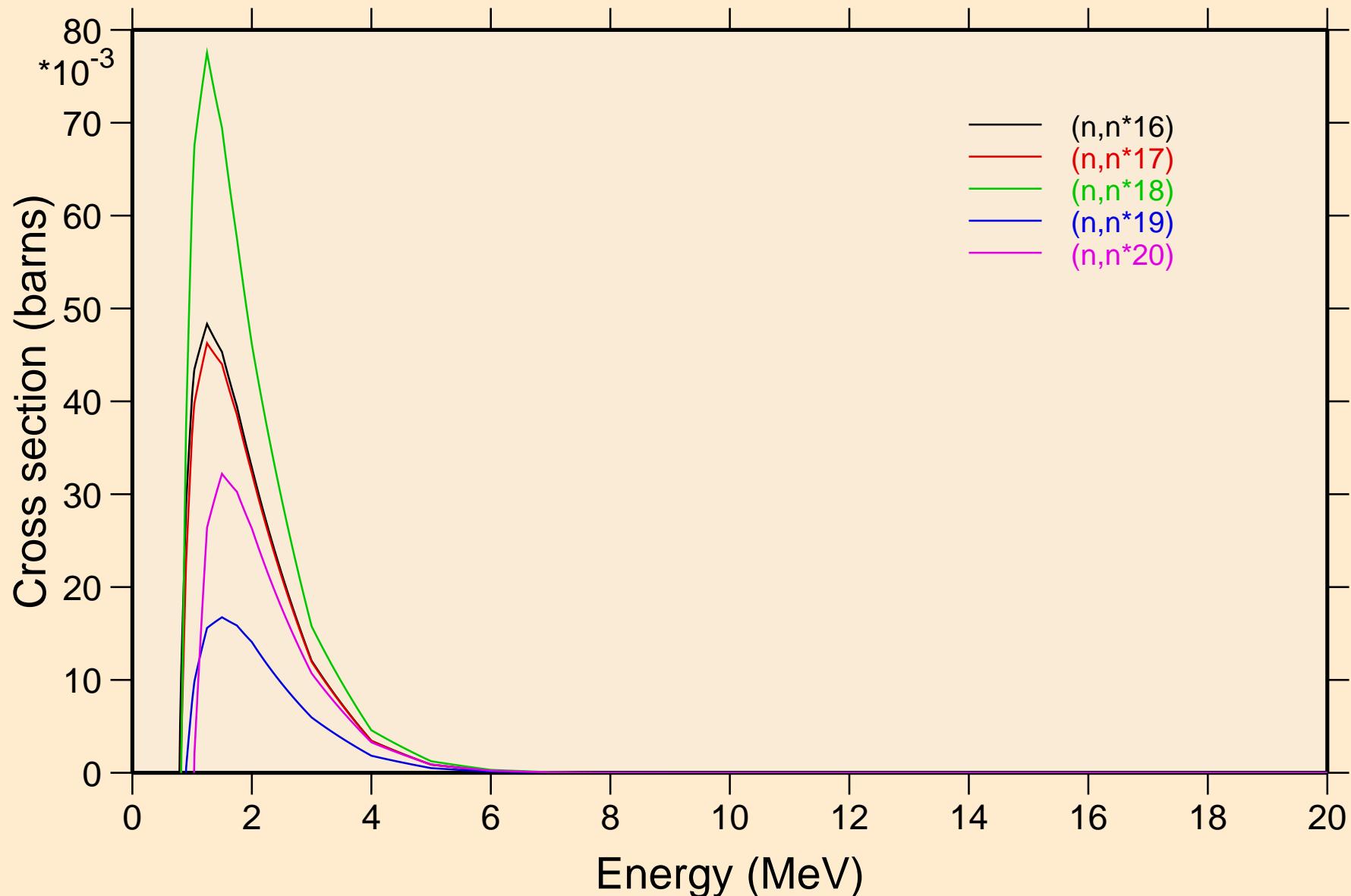
# ENDF/B-VII PD-107

## Inelastic levels



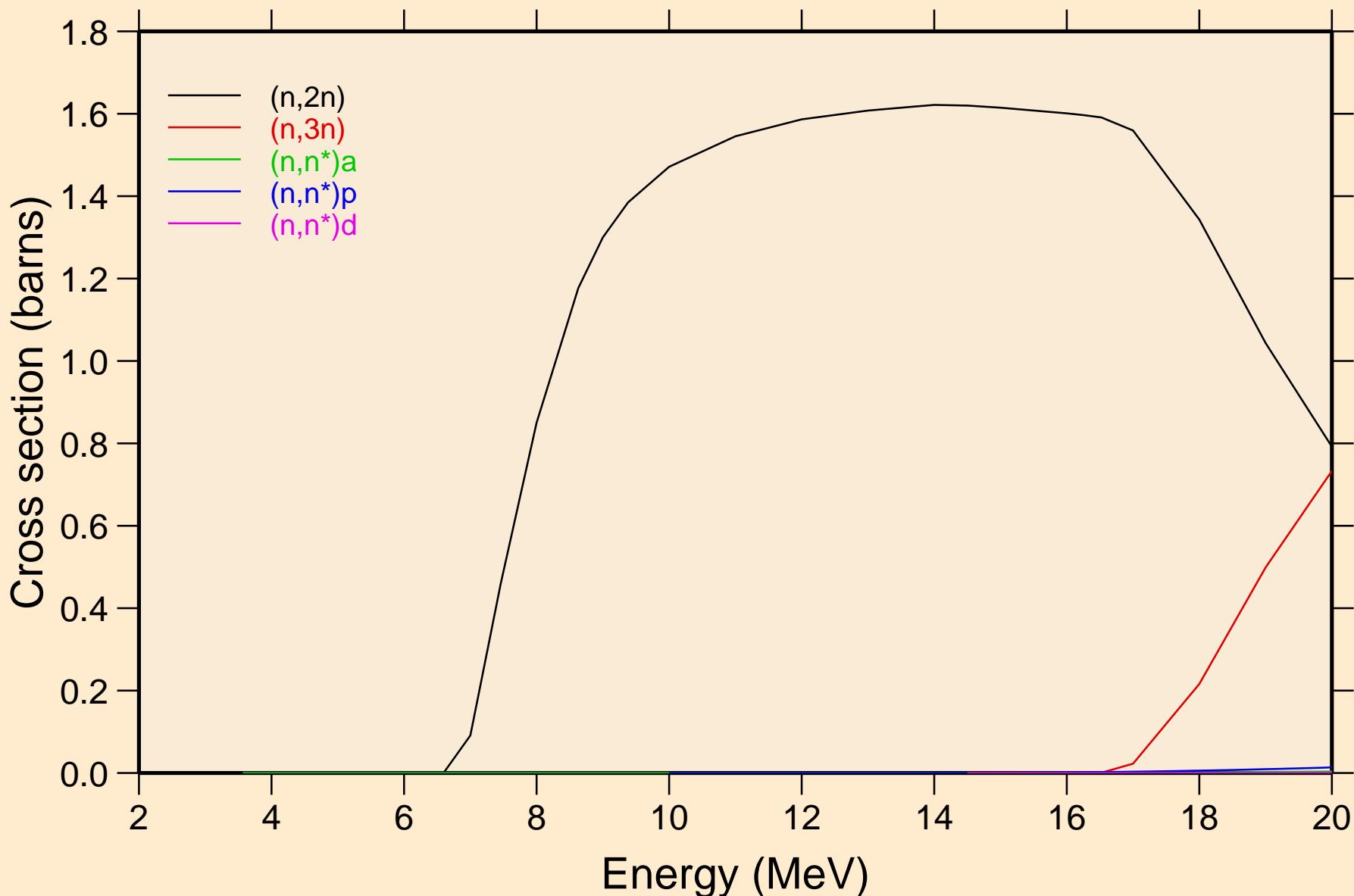
# ENDF/B-VII PD-107

## Inelastic levels



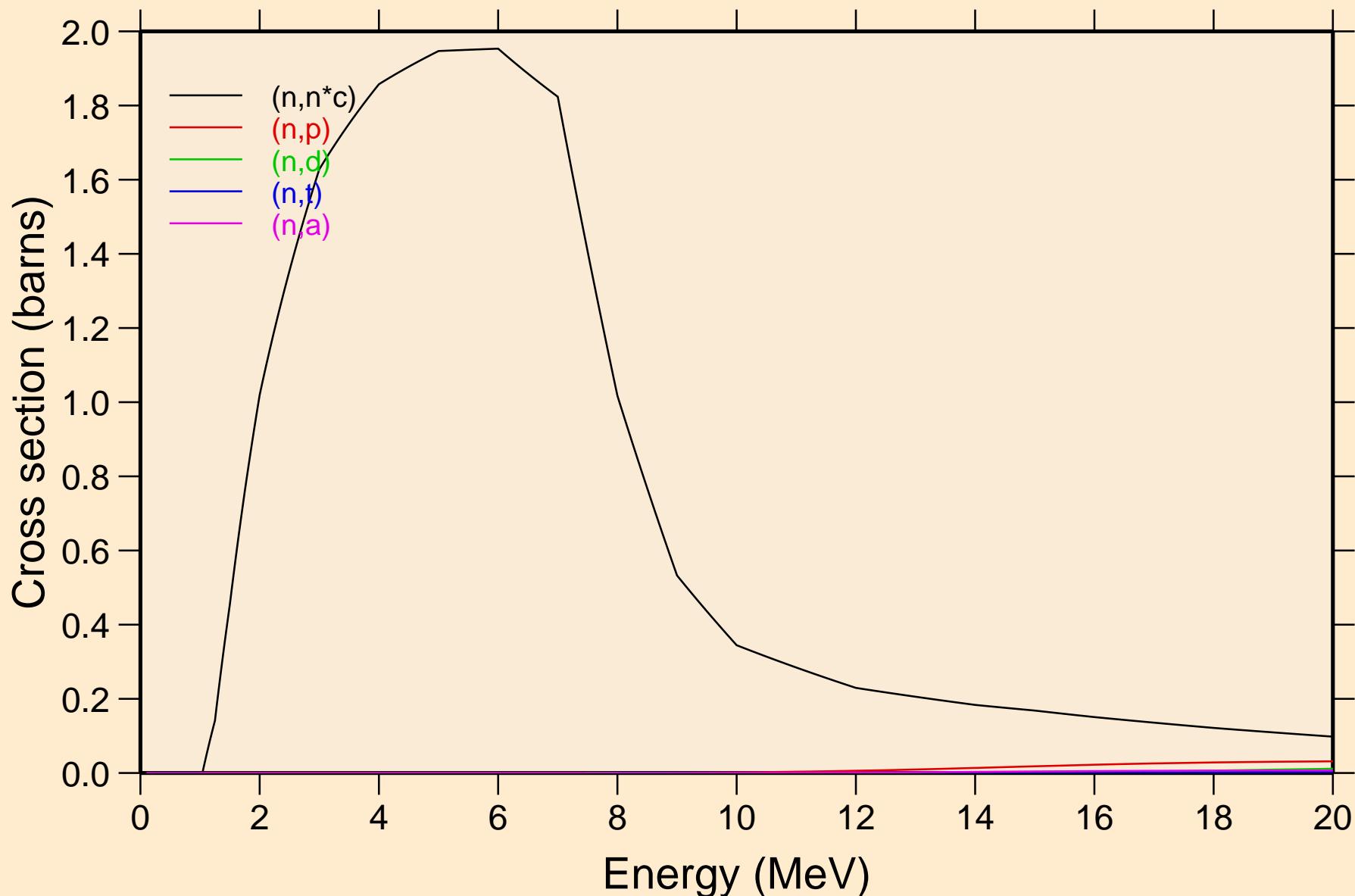
# ENDF/B-VII PD-107

## Threshold reactions



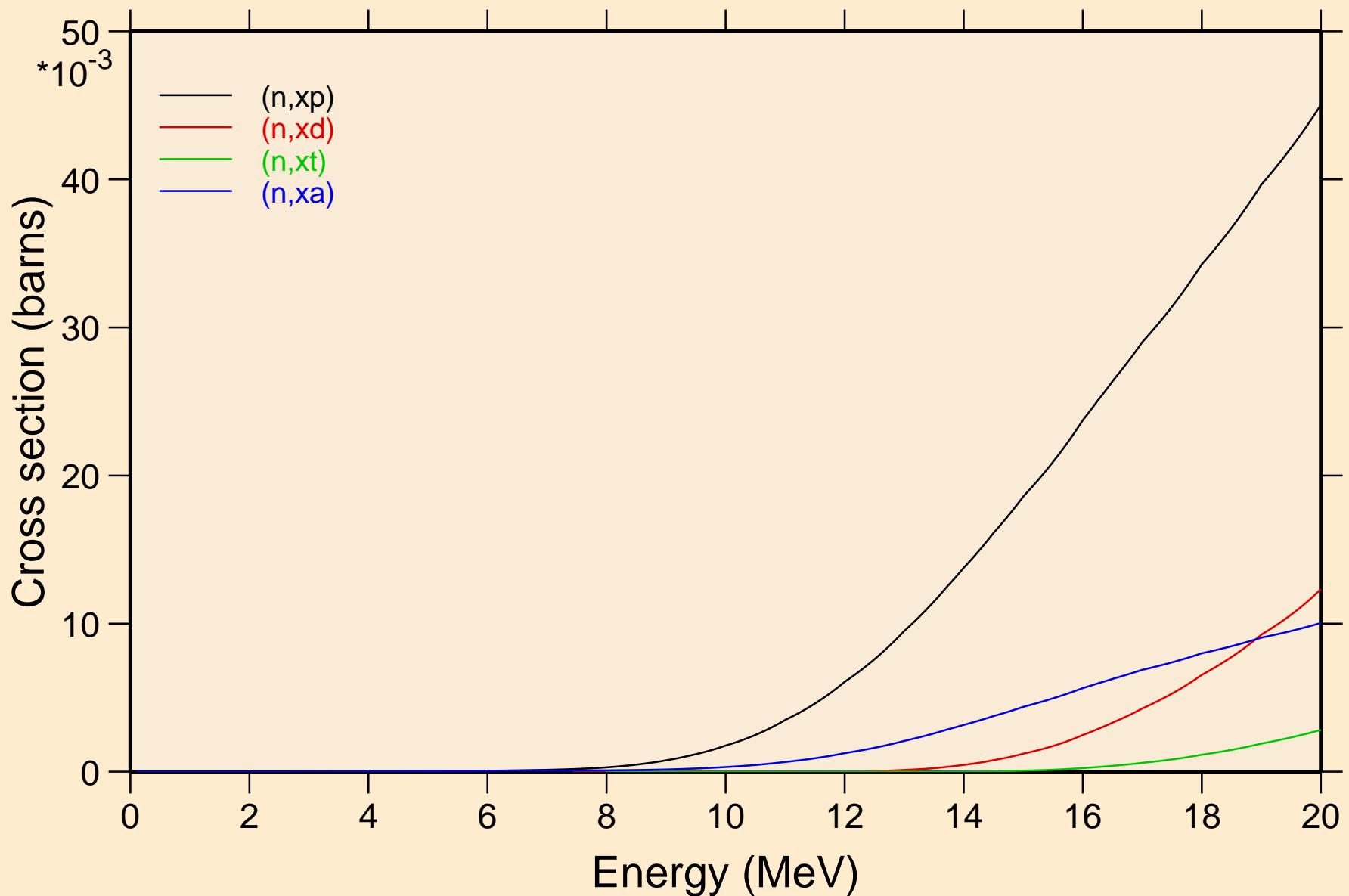
# ENDF/B-VII PD-107

## Threshold reactions



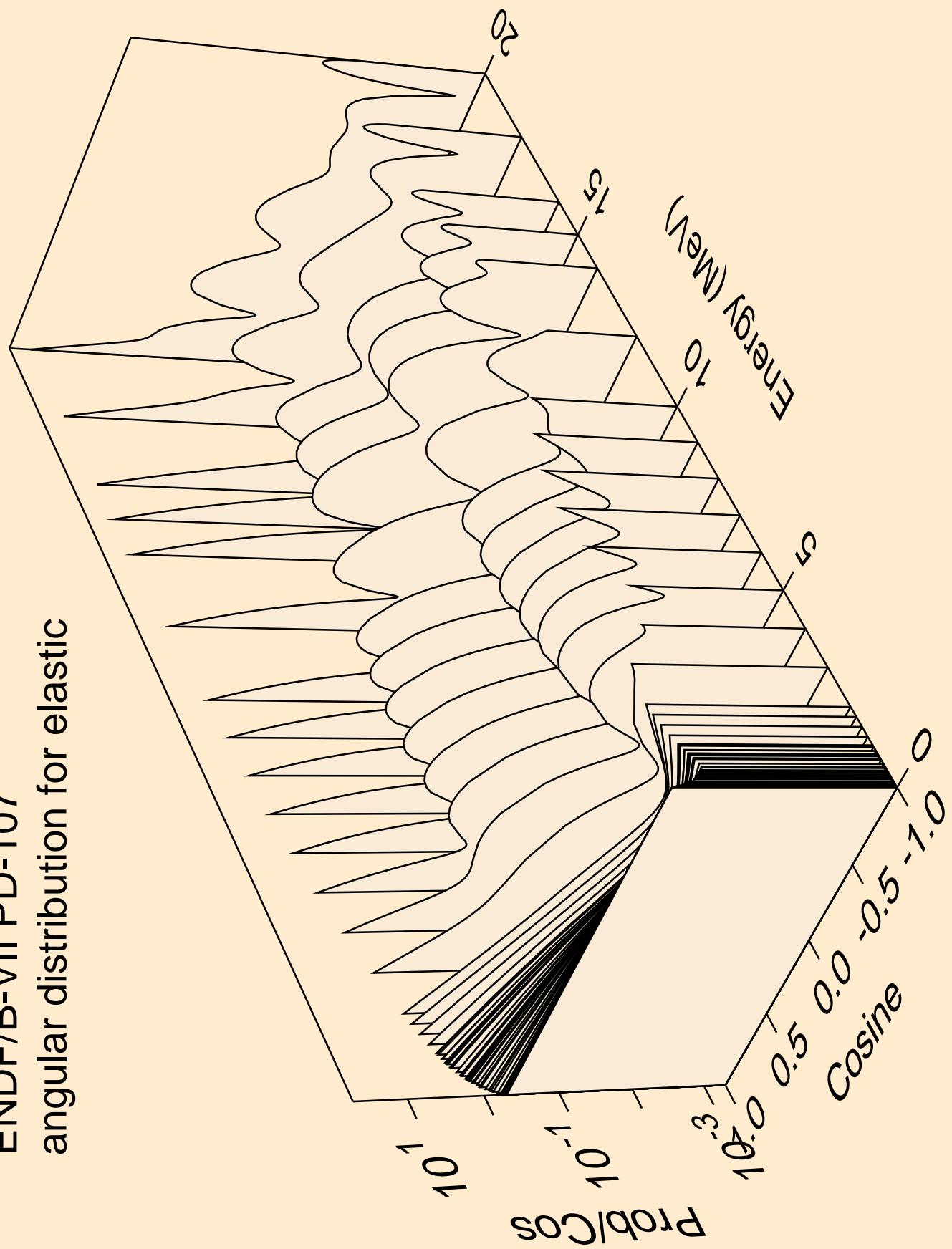
# ENDF/B-VII PD-107

## Threshold reactions



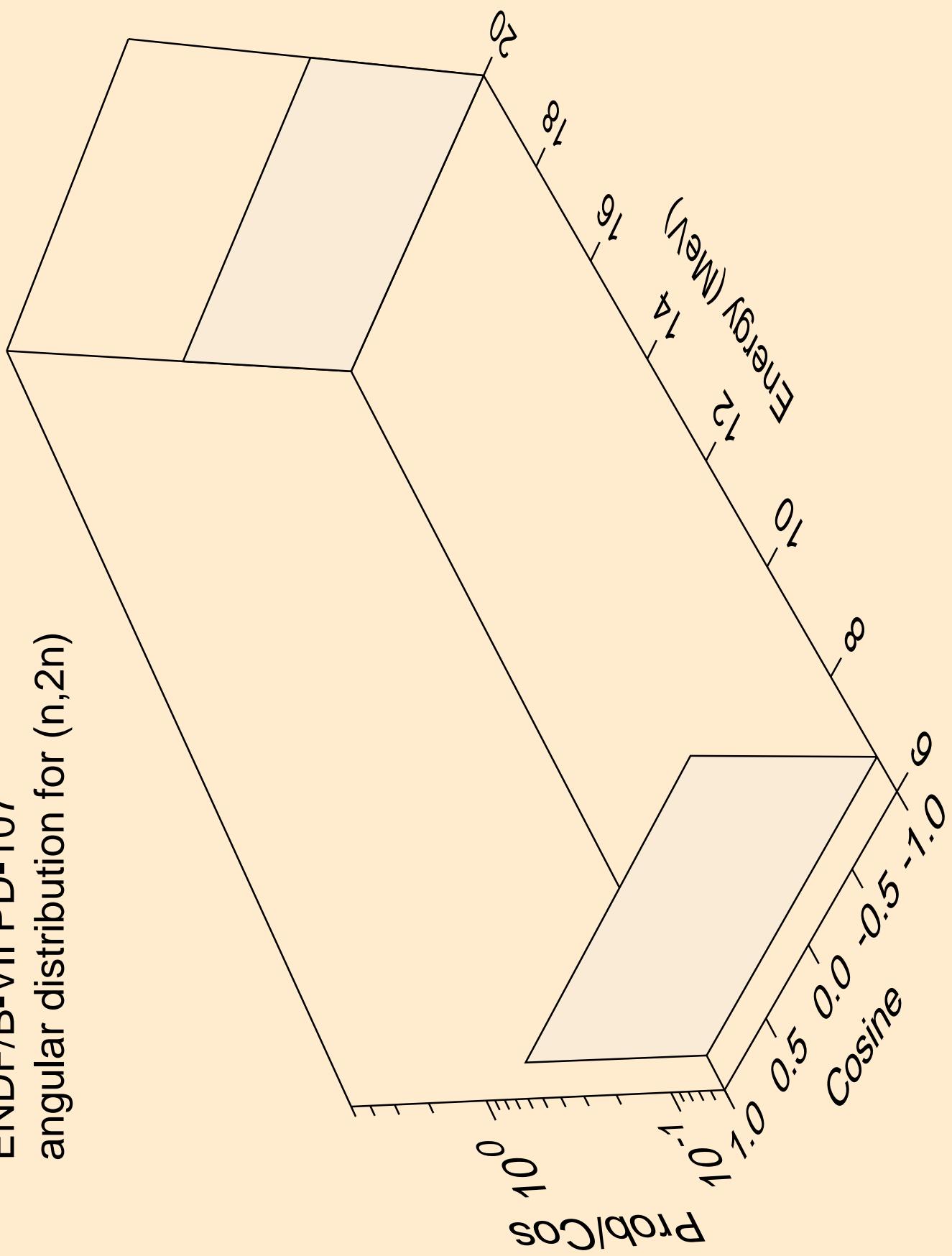
ENDF/B-VII PD-107

angular distribution for elastic



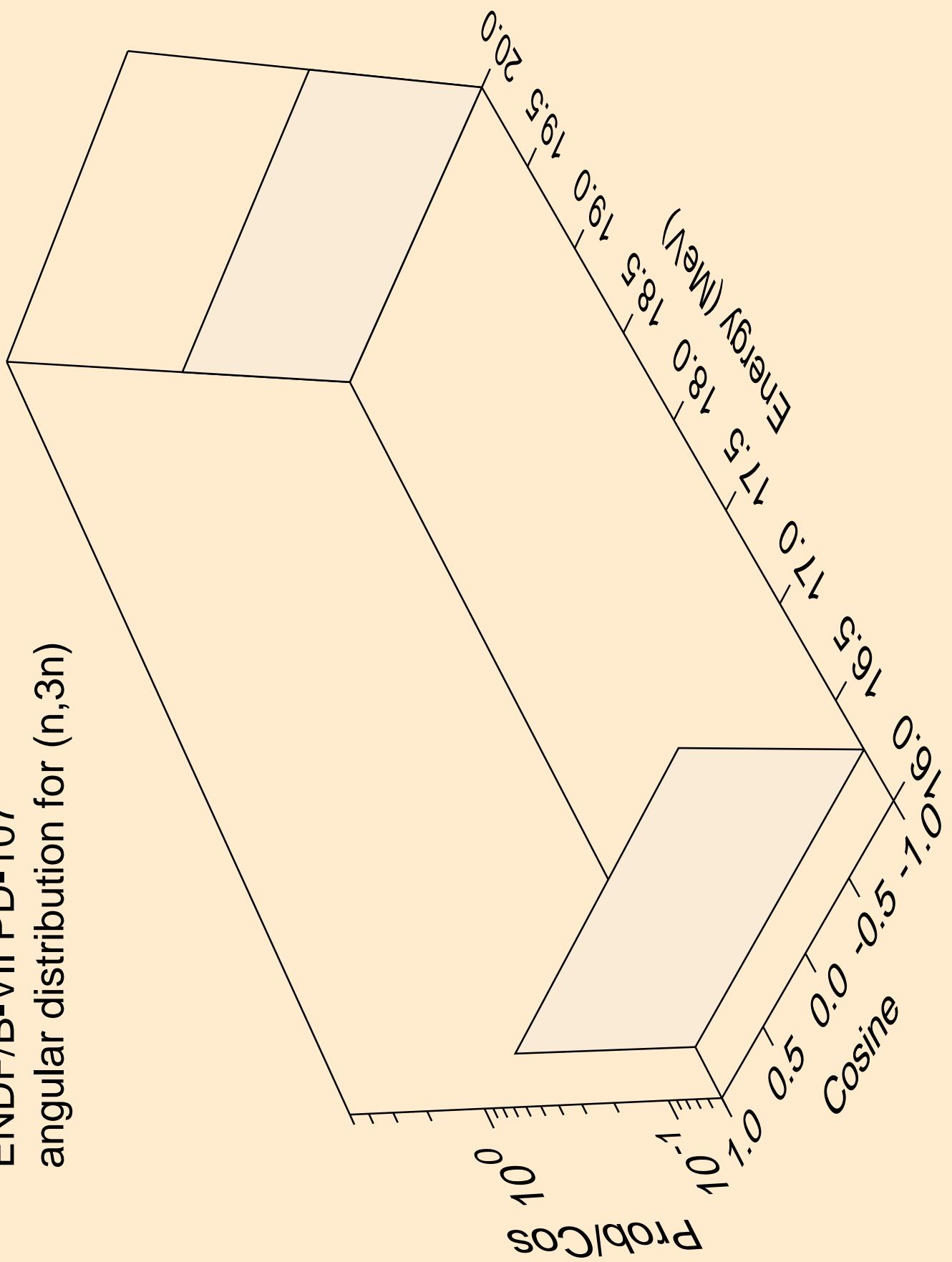
ENDF/B-VII PD-107

angular distribution for (n,2n)



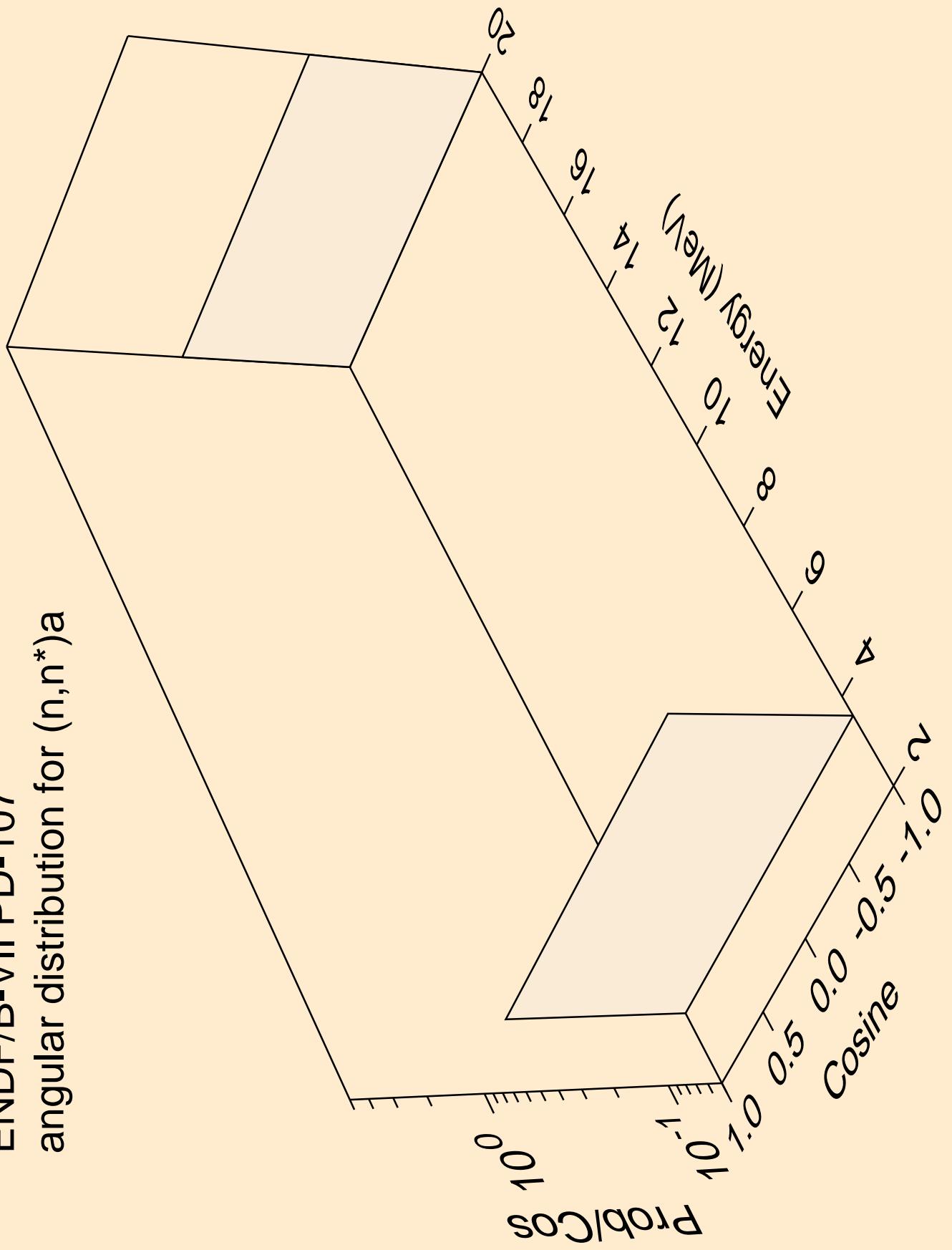
ENDF/B-VII PD-107

angular distribution for (n,3n)



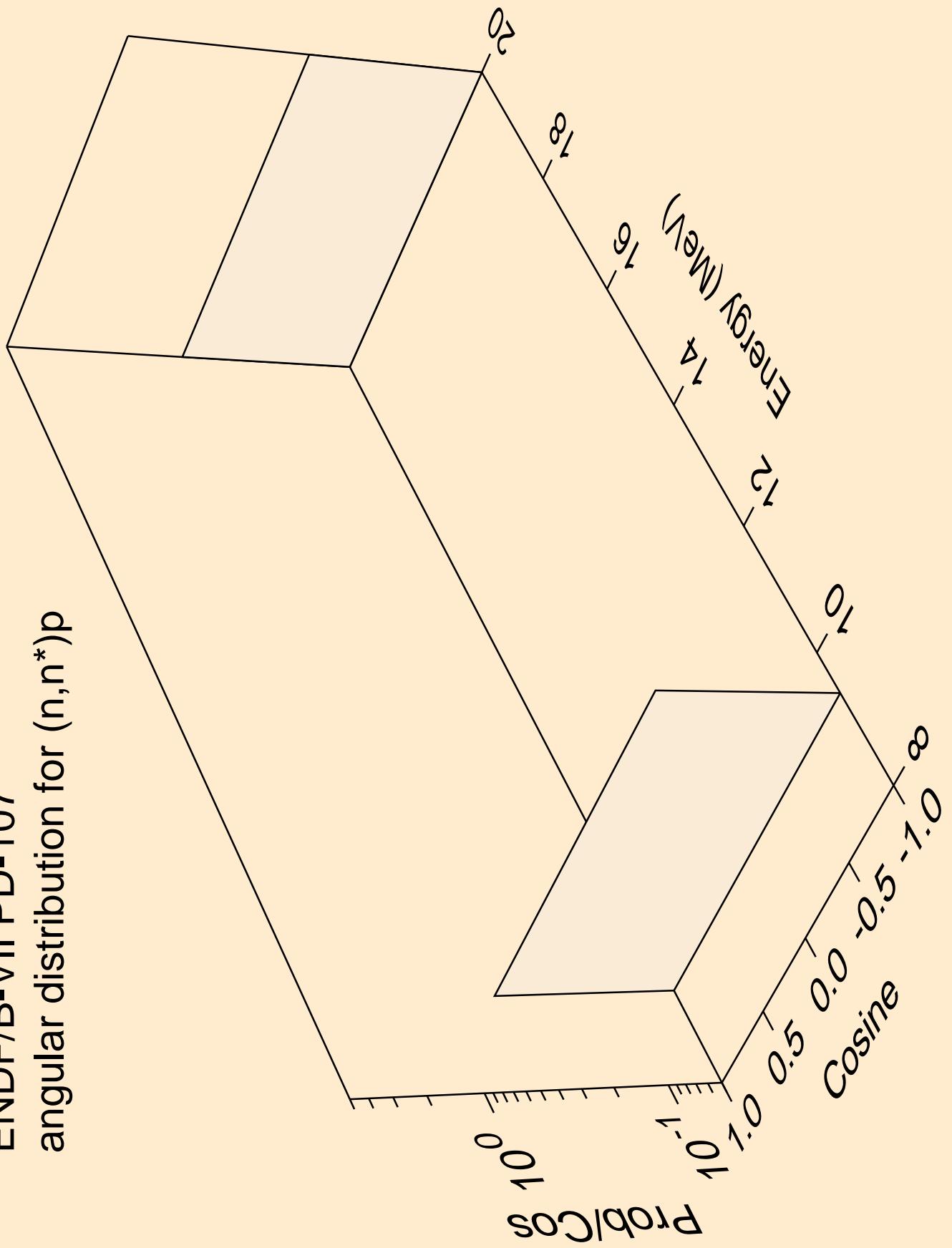
ENDF/B-VII PD-107

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



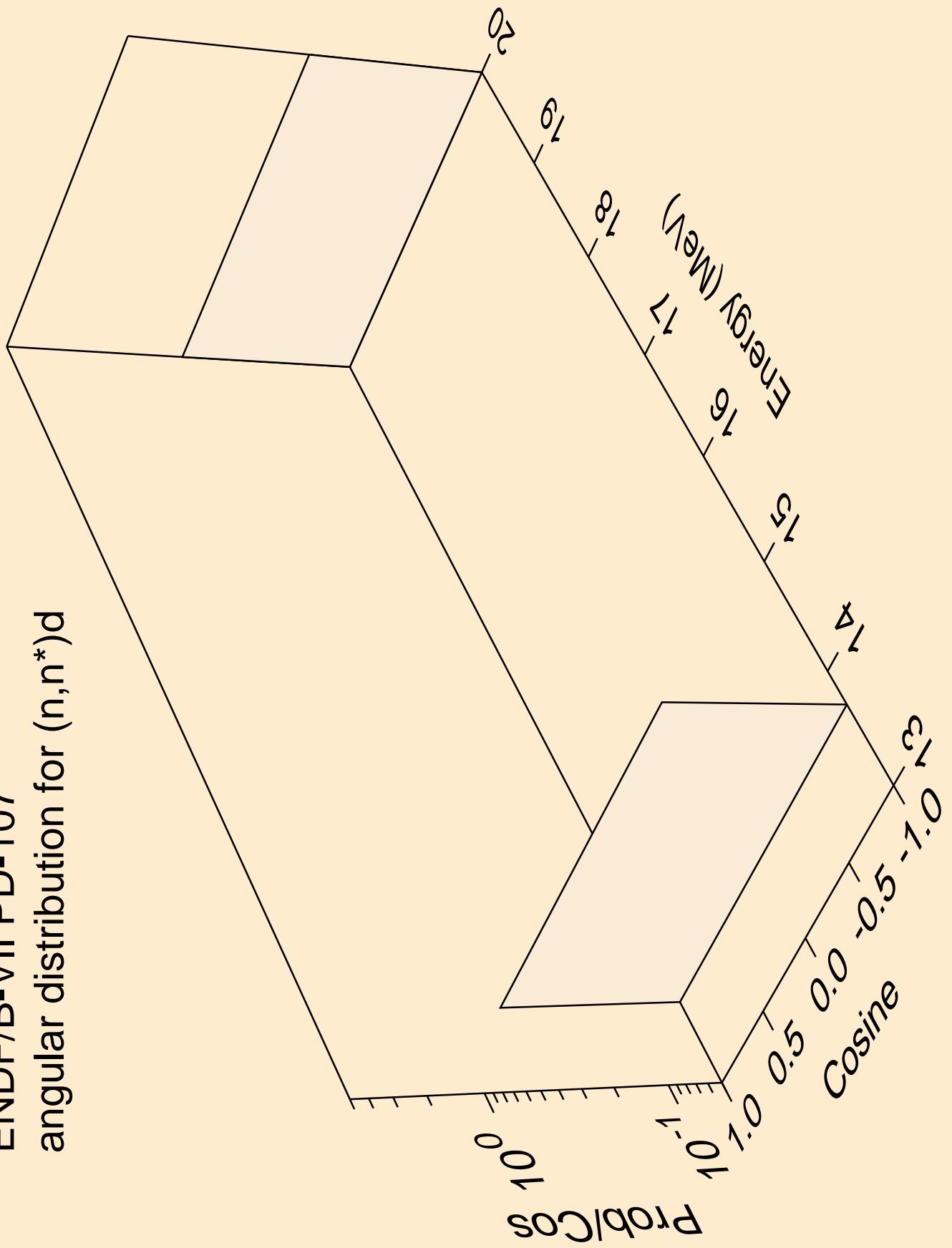
ENDF/B-VII PD-107

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



ENDF/B-VII PD-107

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



ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

$\Delta$

$\phi$

Energ (MeV)

$\theta_0$

$\theta_1$

$\theta_2$

$\theta_3$

$\theta_4$

$\theta_5$

$\theta_6$

$\theta_7$

$\theta_8$

$\theta_9$

$\theta_{10}$

$\theta_{11}$

$\theta_{12}$

$\theta_{13}$

ENDF/B-VII PD-107

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

$10^0$

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 PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

4

6

8

10

12

14

16

18

20

22

24

26

28

30

Energy (MeV)

20

18

16

14

12

10

8

6

4

2

0

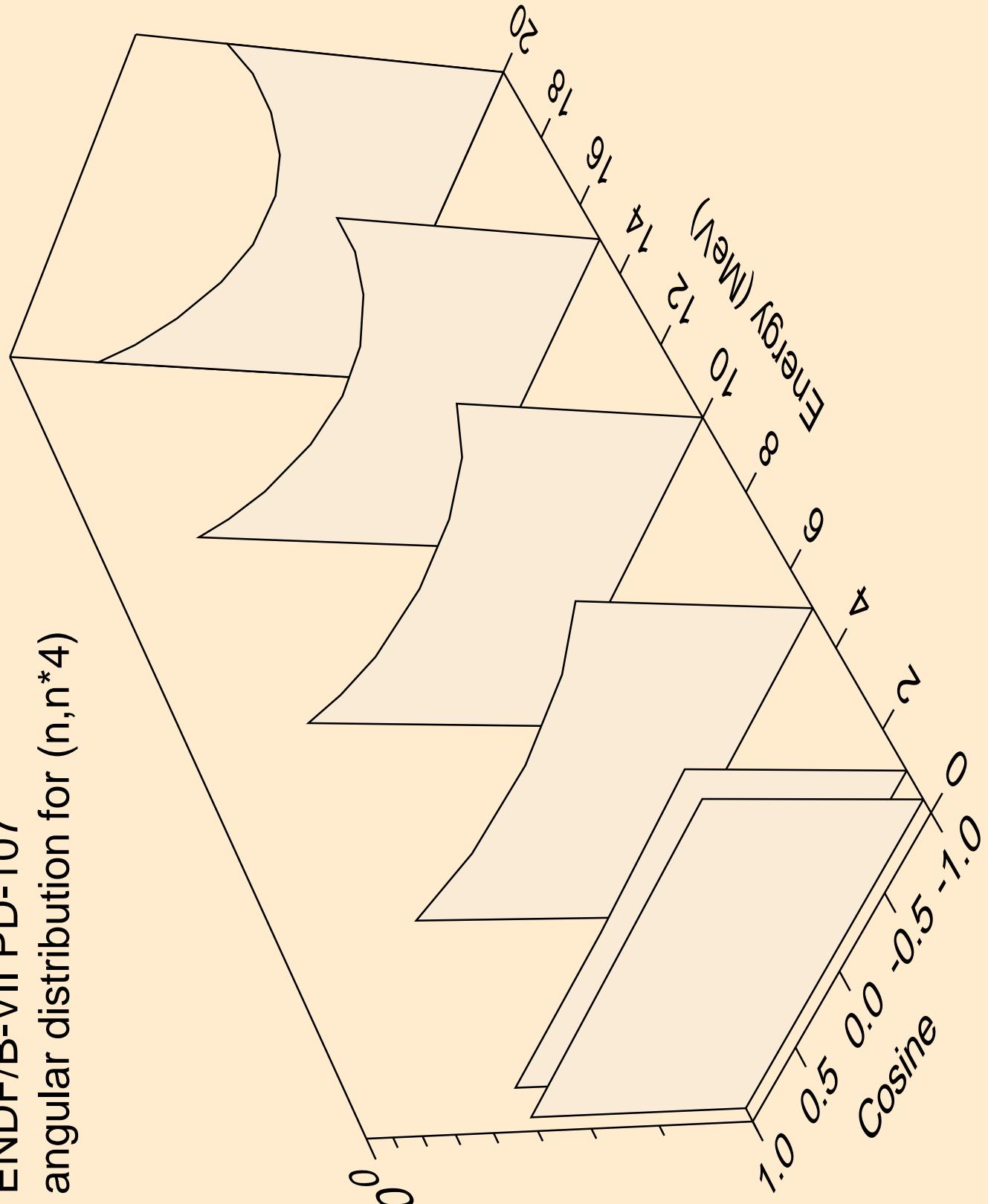
ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

$\Delta$

Energ (MeV)

10

8

6

4

2

0

20

18

16

14

12

10

8

6

4

2

0

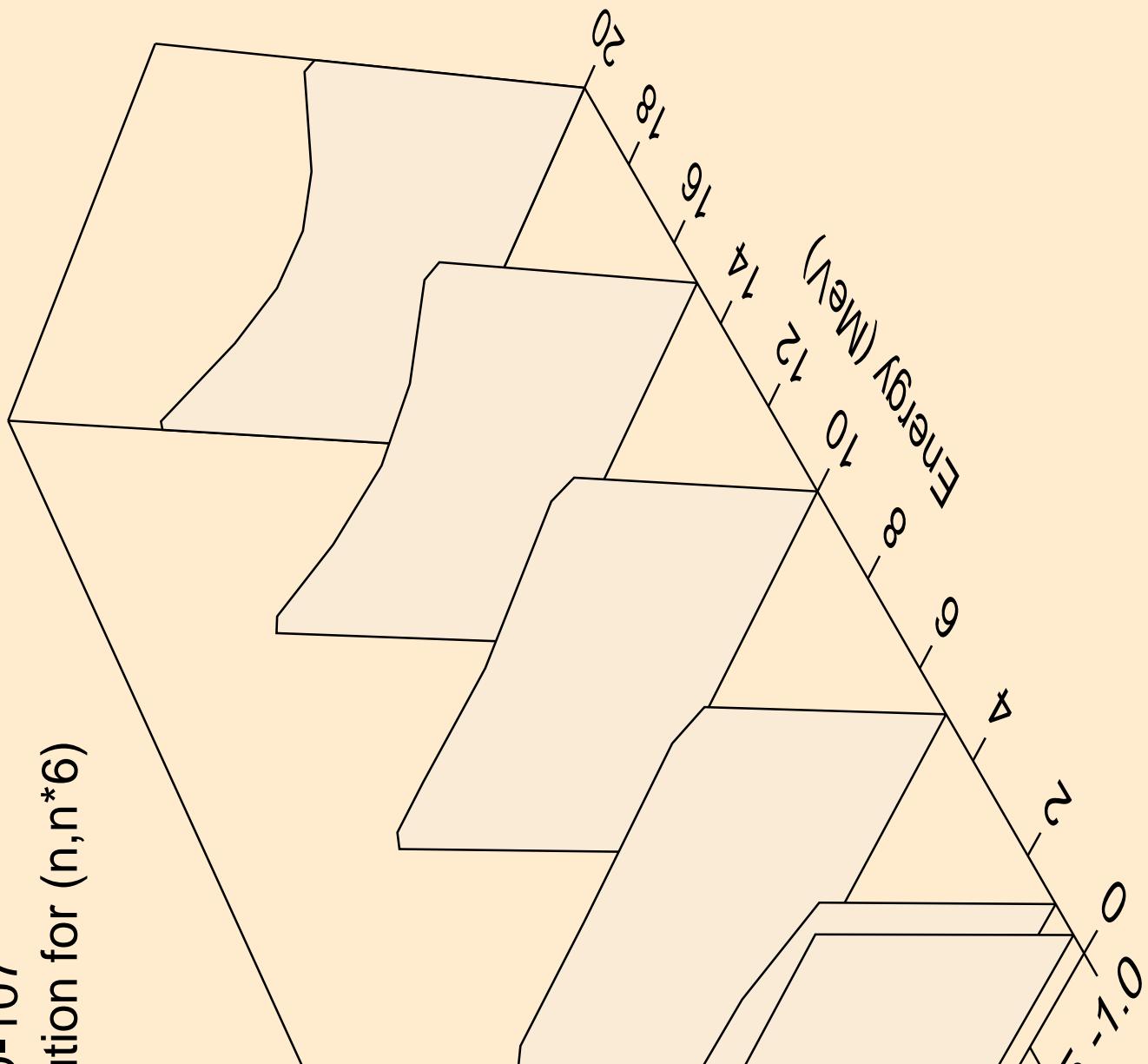
ENDF/B-VII PD-107

angular distribution for (n,n\*6)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

ENDF/B-VII PD-107

angular distribution for (n,n\*8)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Δ

σ

Energ (MeV)

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Δ

φ

Energ (MeV)

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII PD-107

angular distribution for  $(n,n^*10)$

$10^0$

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 PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

$\Delta$

$\phi$

Energies (MeV)

$\theta_0$

$18^\circ$

$16^\circ$

$14^\circ$

$12^\circ$

$10^\circ$

$8^\circ$

$6^\circ$

$4^\circ$

$2^\circ$

$0^\circ$

ENDF/B-VII PD-107

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

$10^0$

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

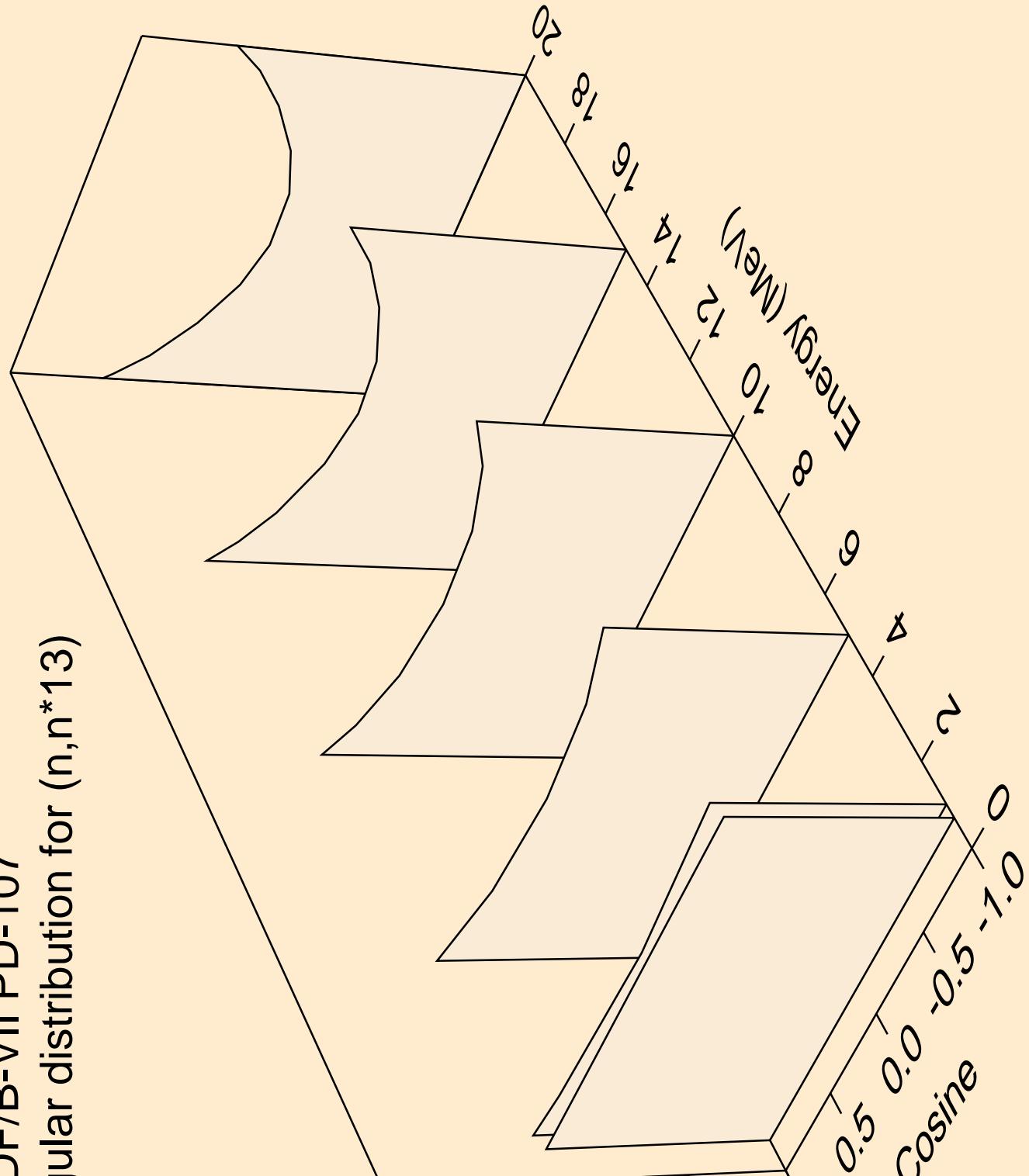
ENDF/B-VII PD-107

angular distribution for (n,n\*13)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII PD-107

angular distribution for (n,n\*14)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
Energy (MeV)

8  
6  
4  
2  
0

ENDF/B-VII PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

4

6

8

Energy (MeV)

14

16

18

20

ENDF/B-VII PD-107

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 PD-107

angular distribution for  $(n,n^*17)$

$10^0$

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 PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Δ

6

Energy (MeV)

4

2

0

ENDF/B-VII PD-107

angular distribution for  $(n,n^*19)$

$10^0$

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 PD-107

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

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Δ

σ

Energ (MeV)

2

4

6

8

10

12

14

16

18

20

ENDF/B-VII PD-107

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

$10^0$

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

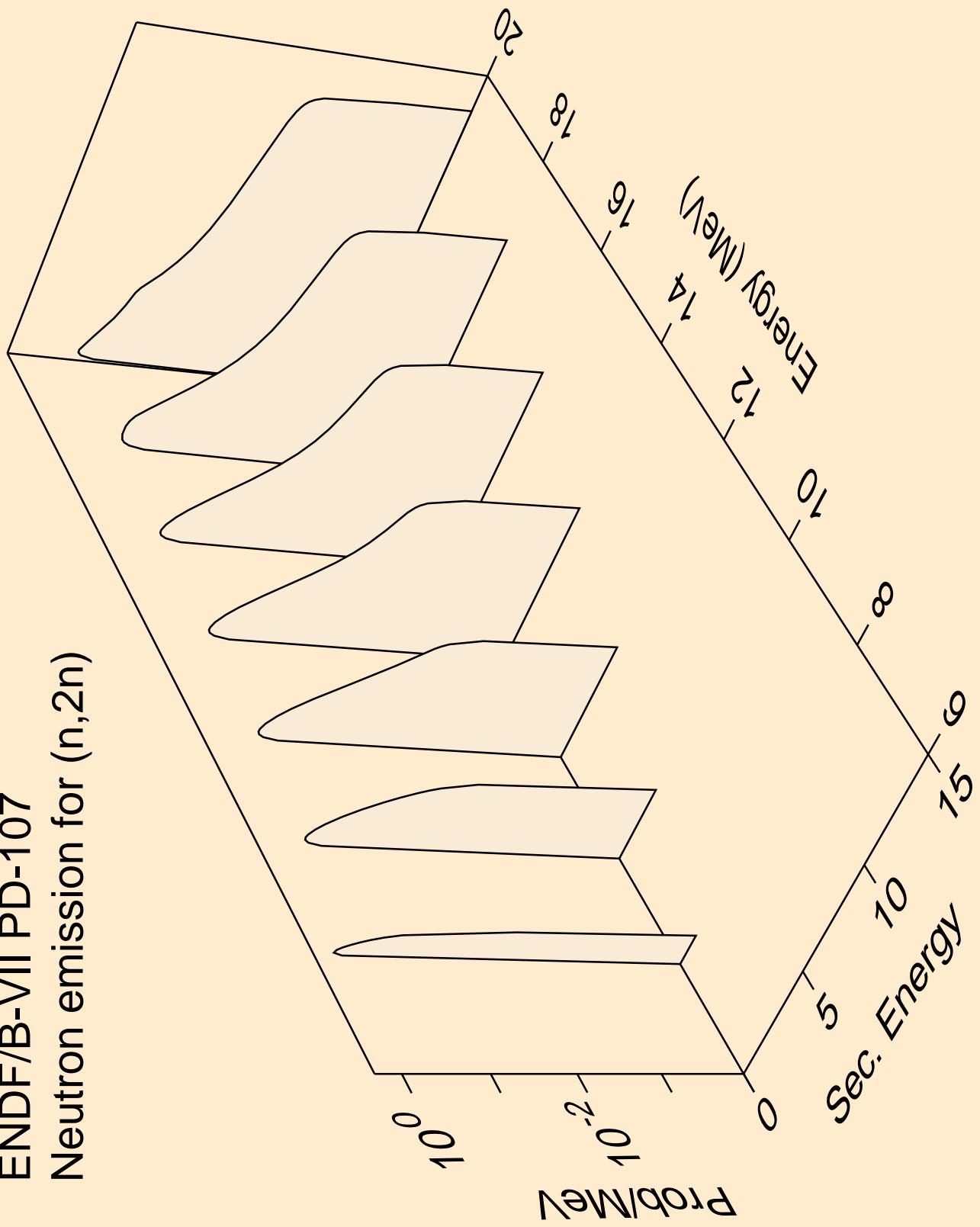
4

2

0

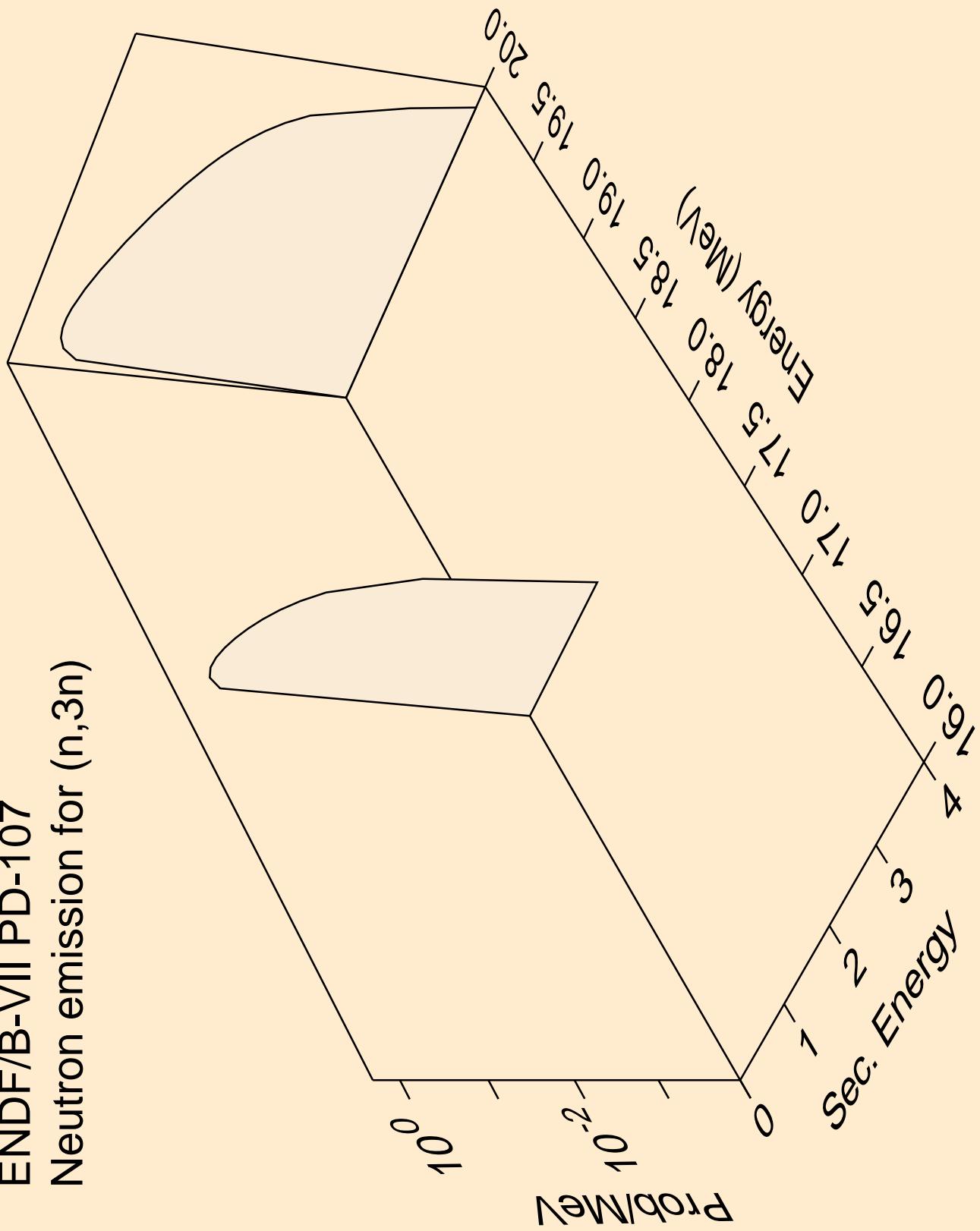
ENDF/B-VII PD-107

Neutron emission for  $(n,2n)$



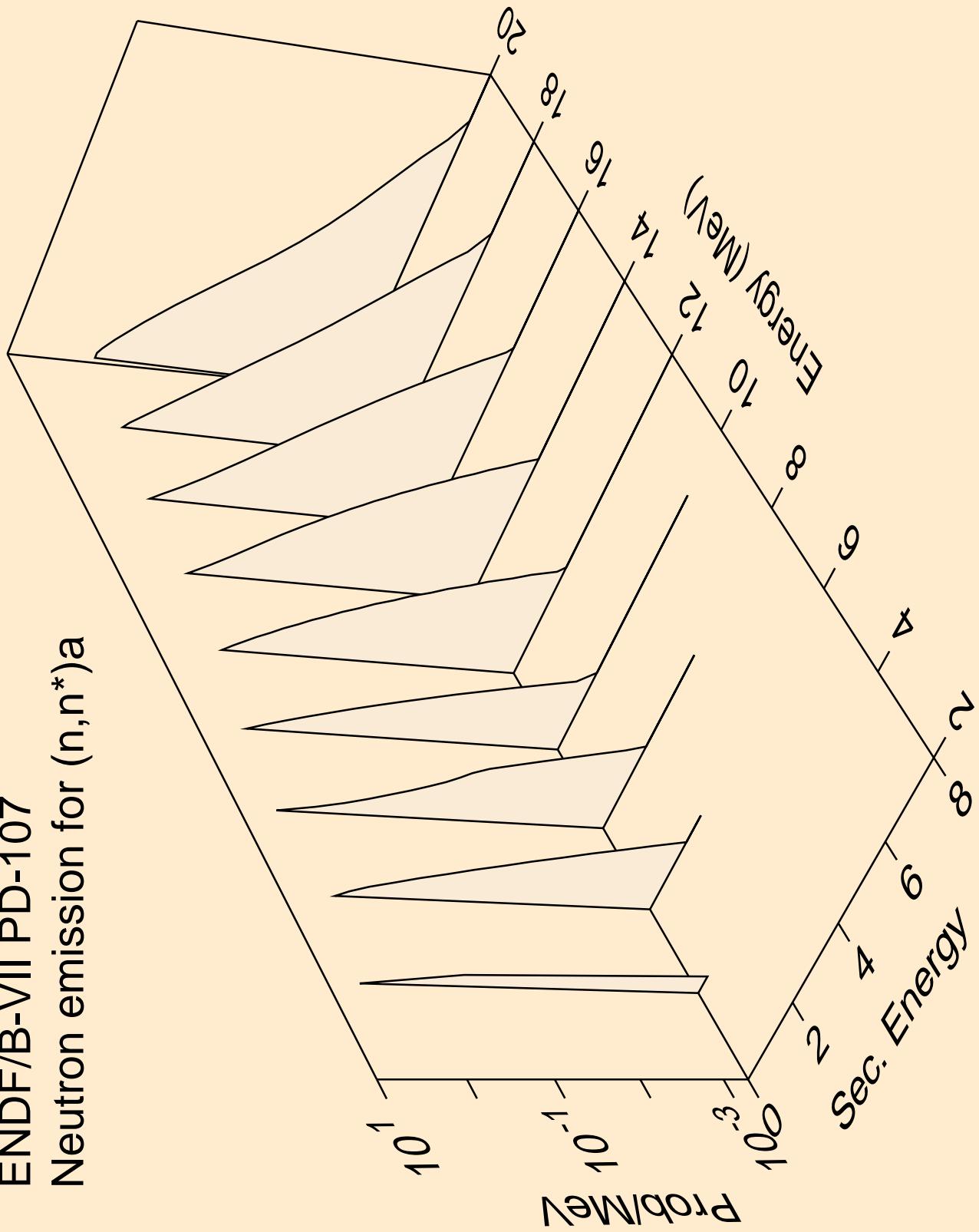
ENDF/B-VII PD-107

## Neutron emission for $(n,3n)$



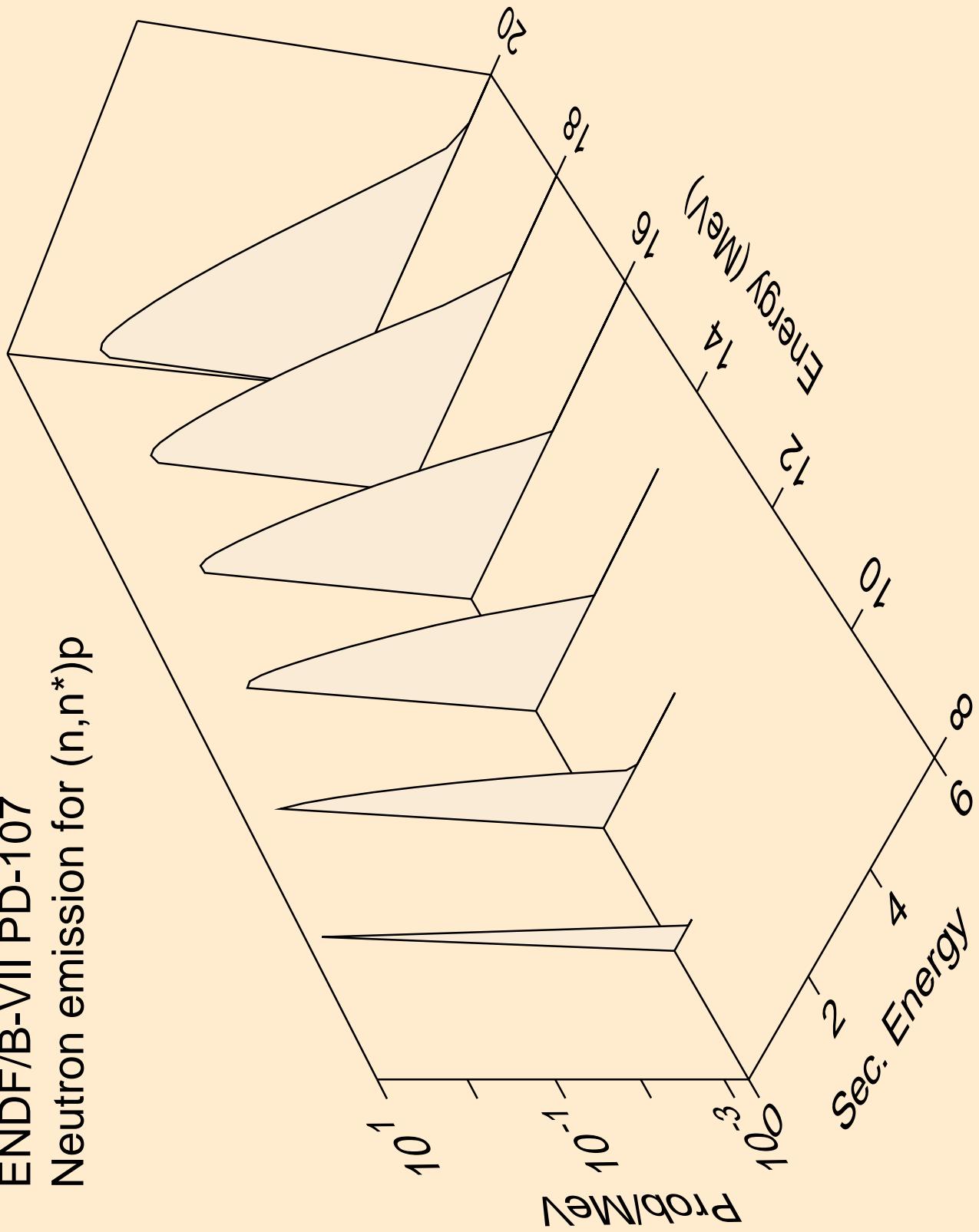
ENDF/B-VII PD-107

Neutron emission for  $(n, n^*)\alpha$



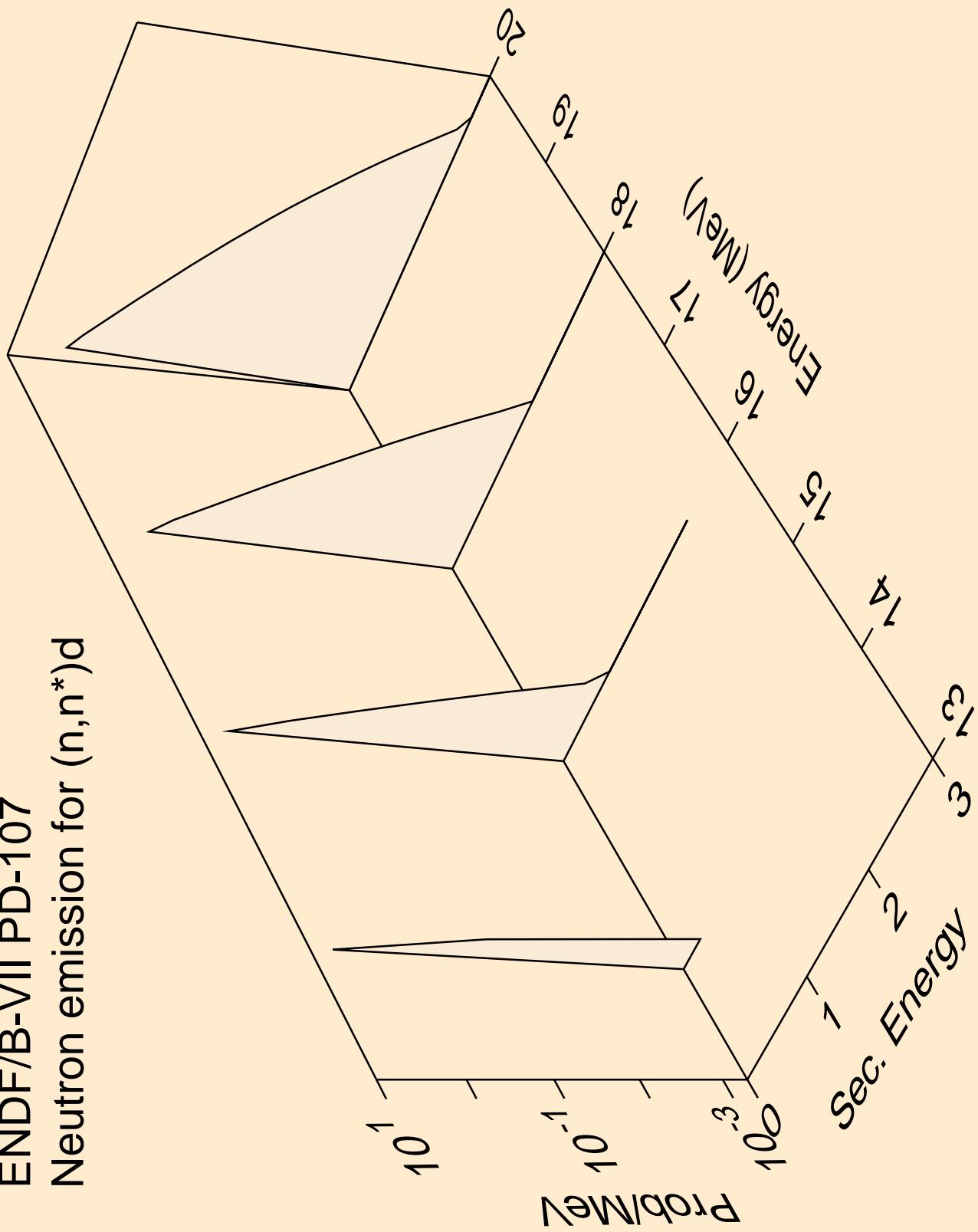
ENDF/B-VII PD-107

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



ENDF/B-VII PD-107

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



ENDF/B-VII PD-107

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

