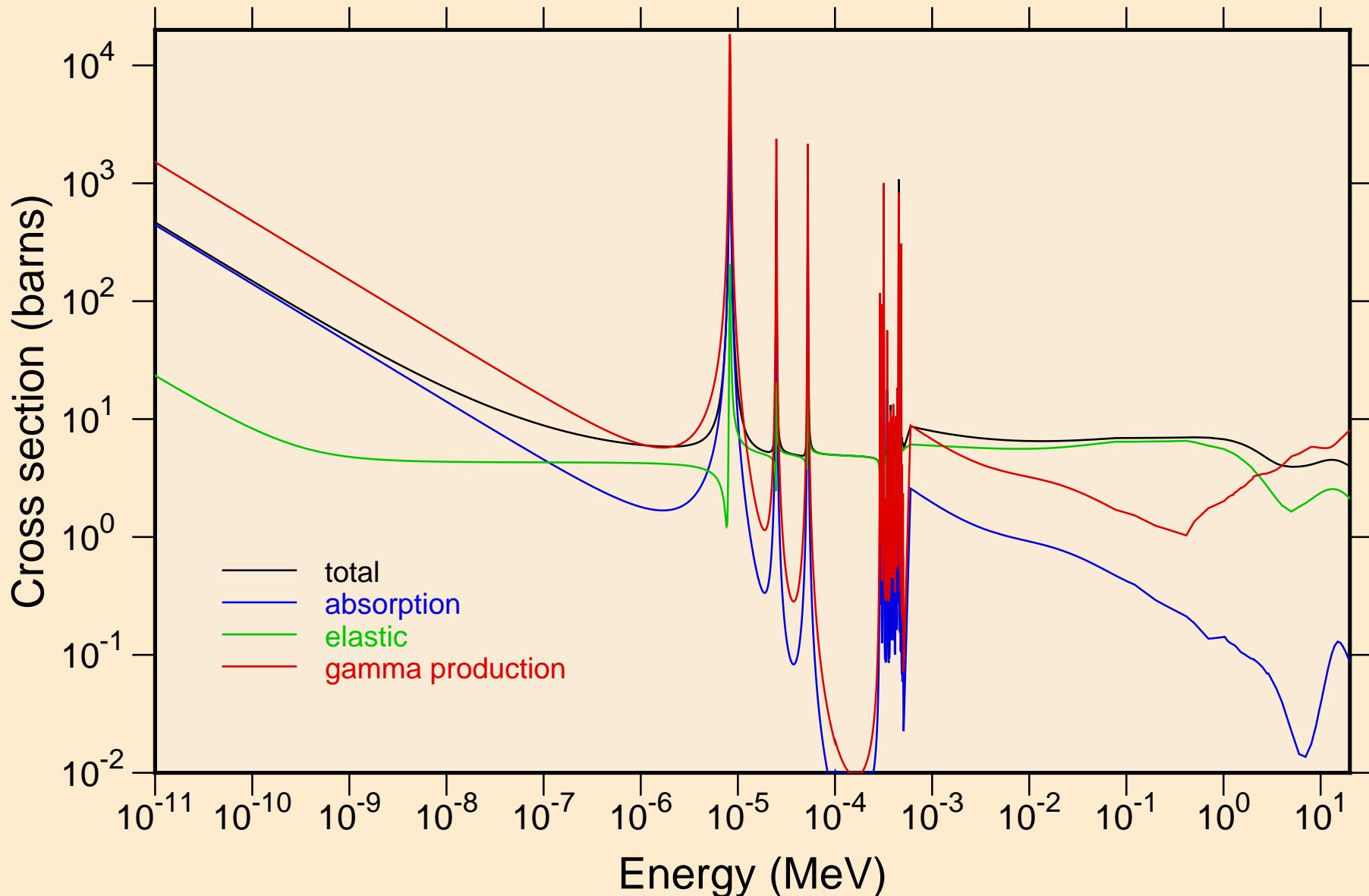
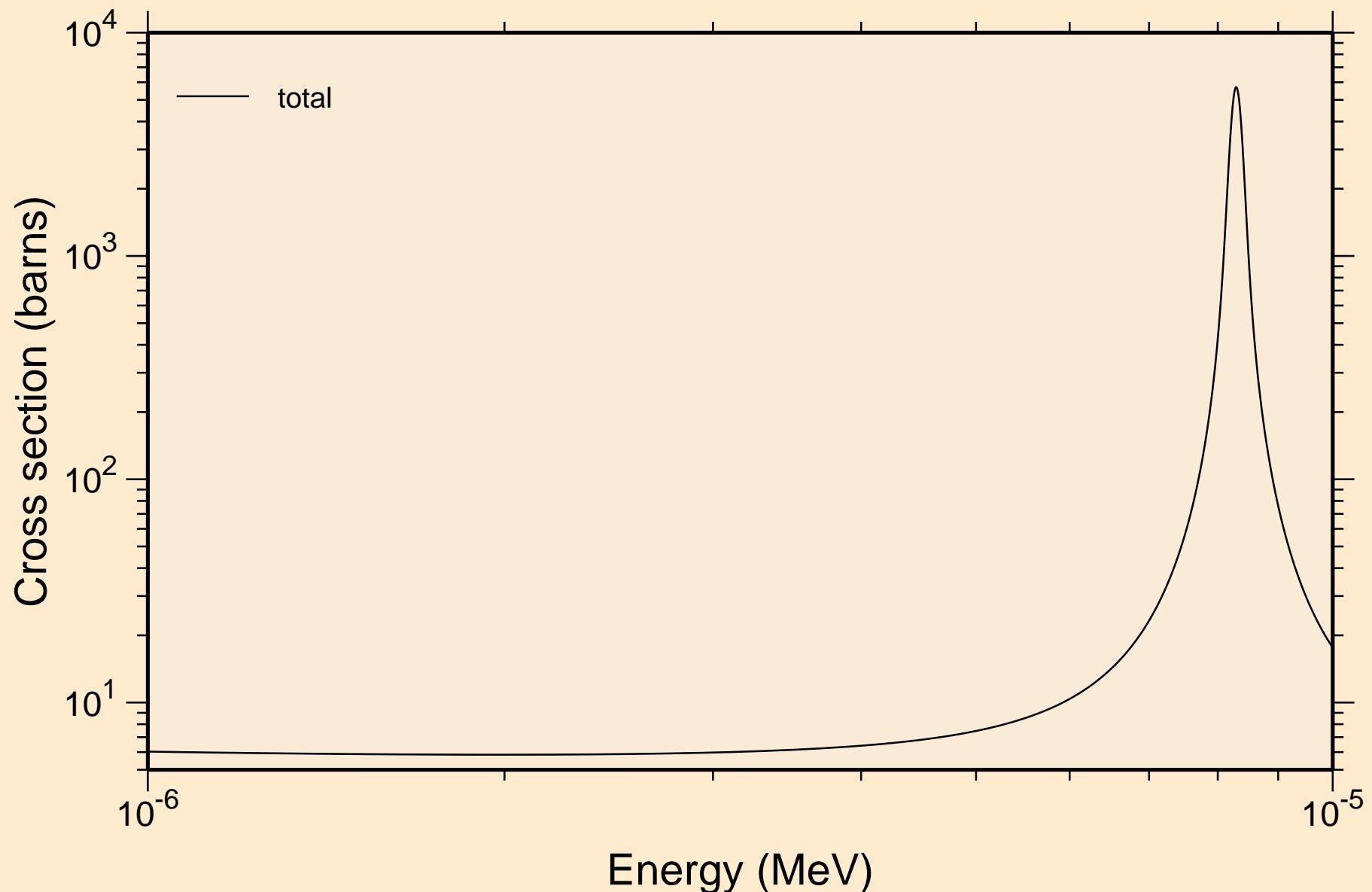


# ENDF/B-VII.1 SN-113

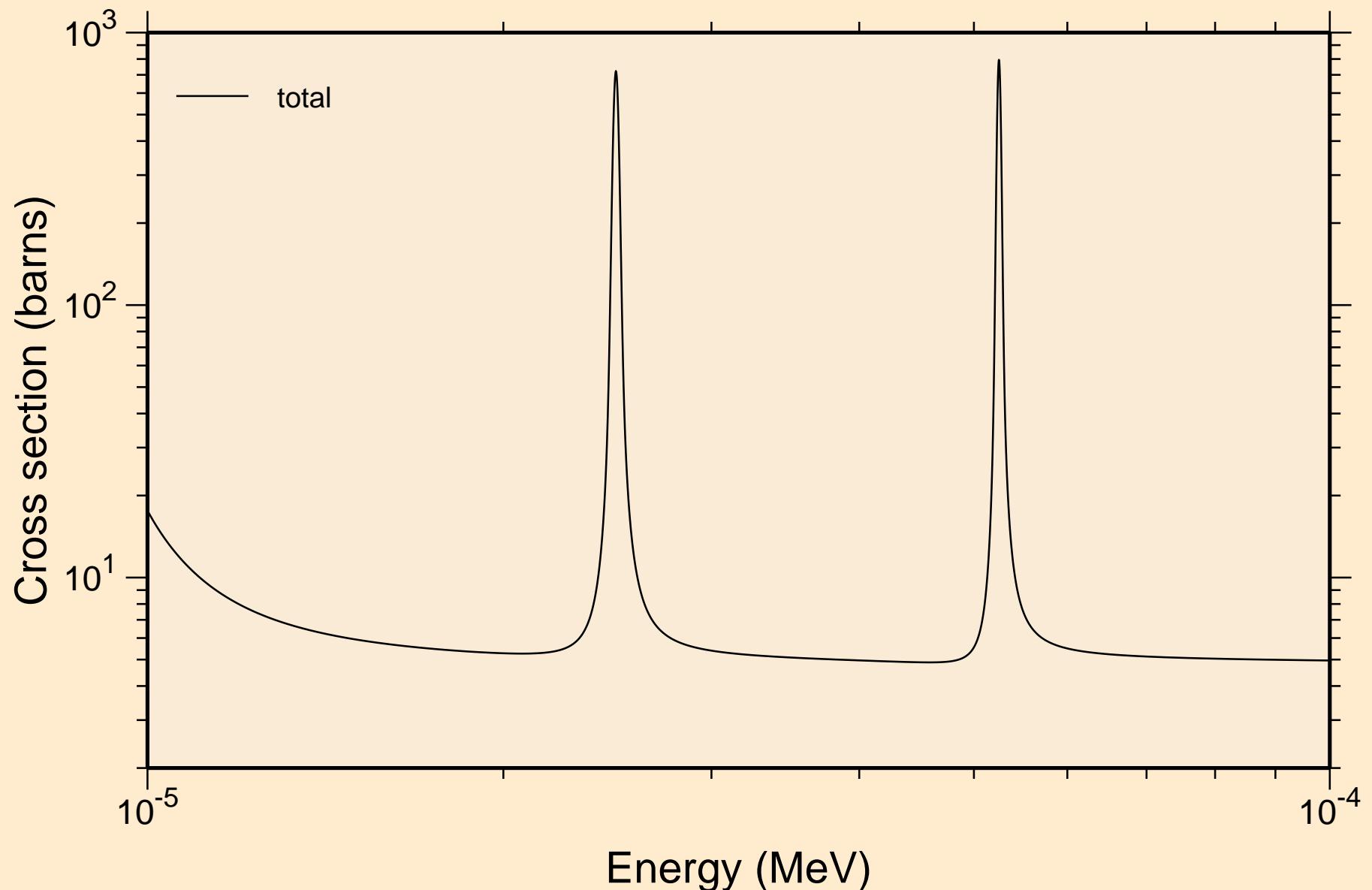
## Principal cross sections



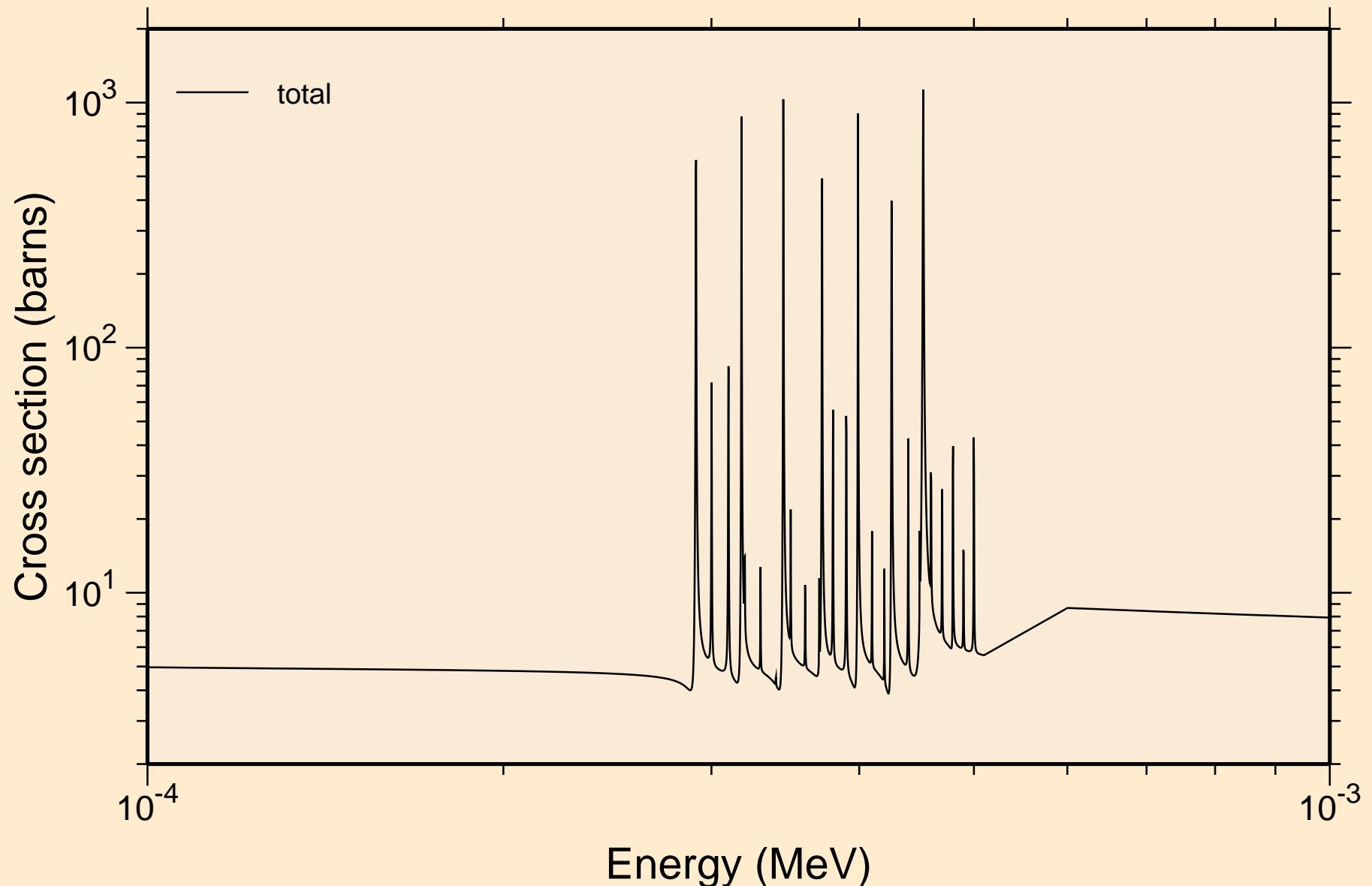
ENDF/B-VII.1 SN-113  
resonance total cross section



ENDF/B-VII.1 SN-113  
resonance total cross section

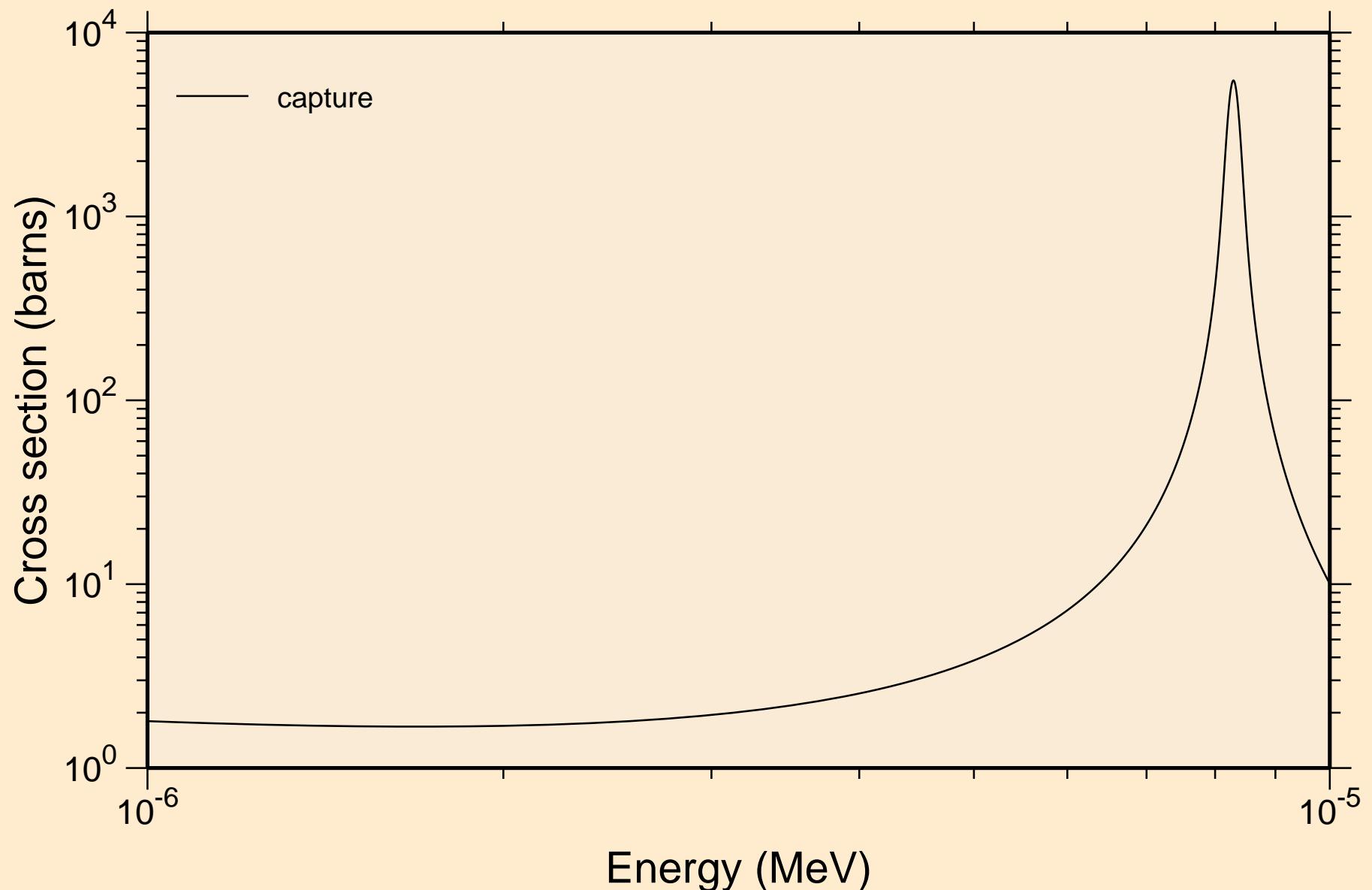


ENDF/B-VII.1 SN-113  
resonance total cross section

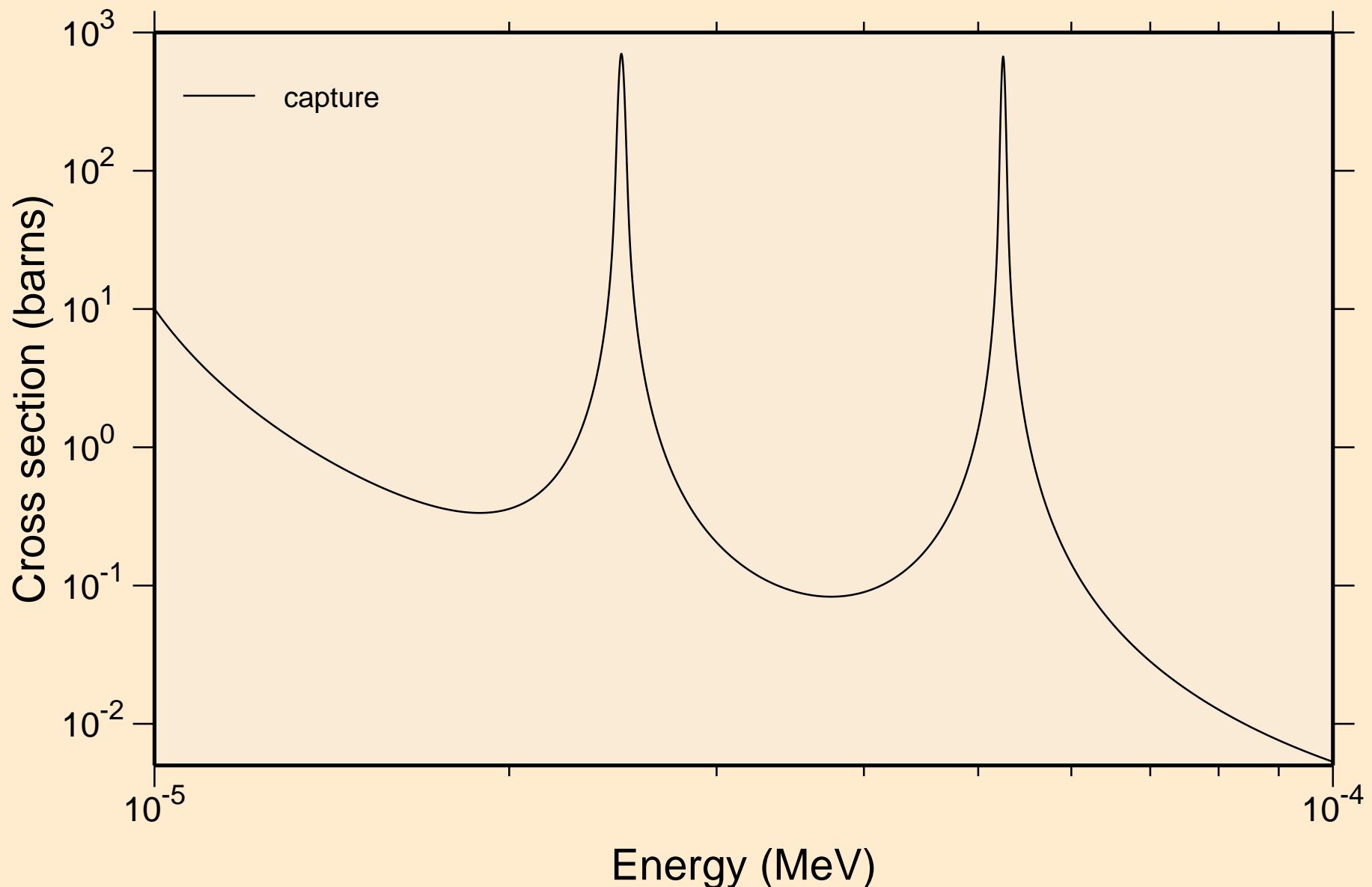


# ENDF/B-VII.1 SN-113

## resonance absorption cross sections

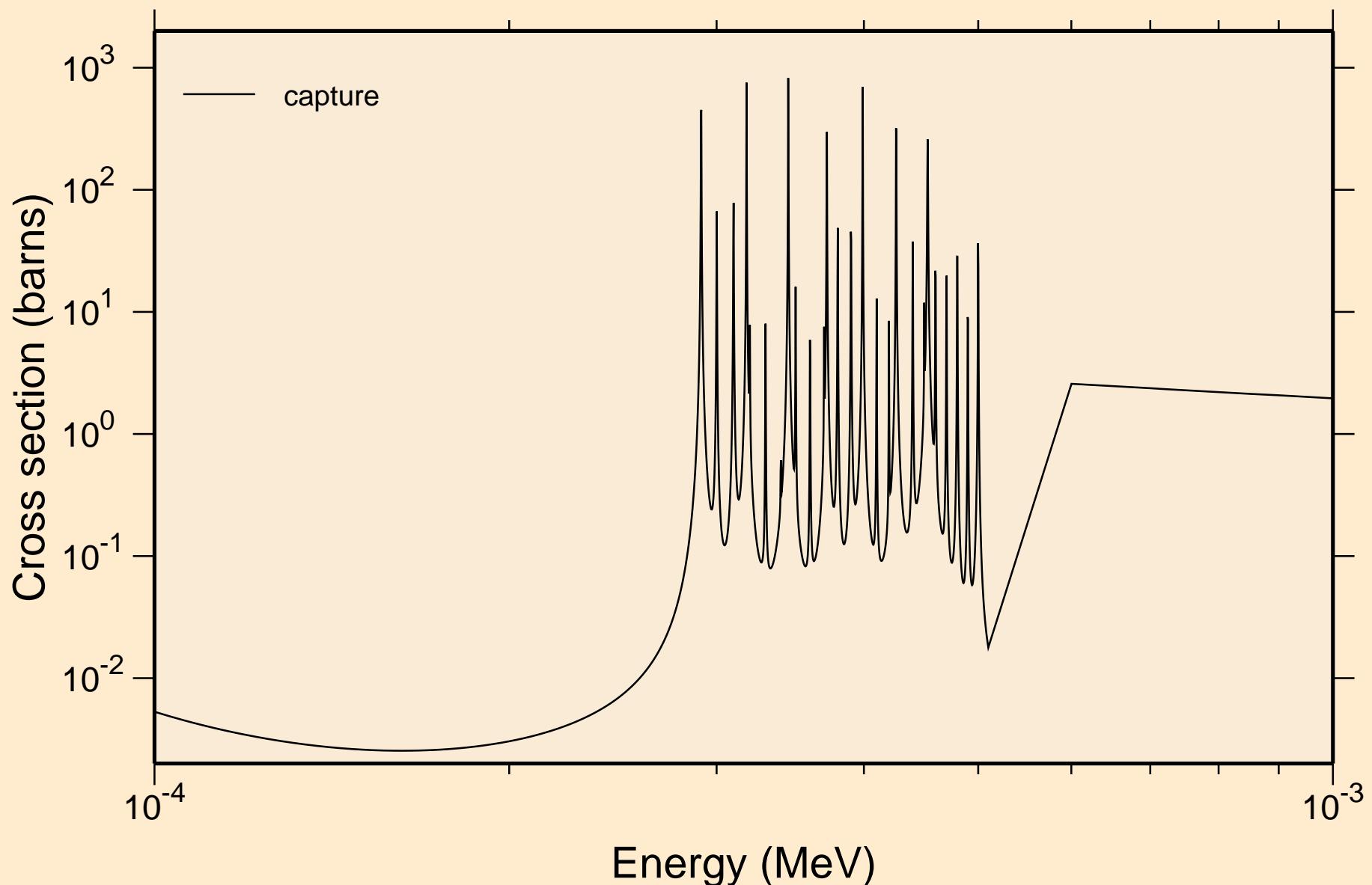


ENDF/B-VII.1 SN-113  
resonance absorption cross sections



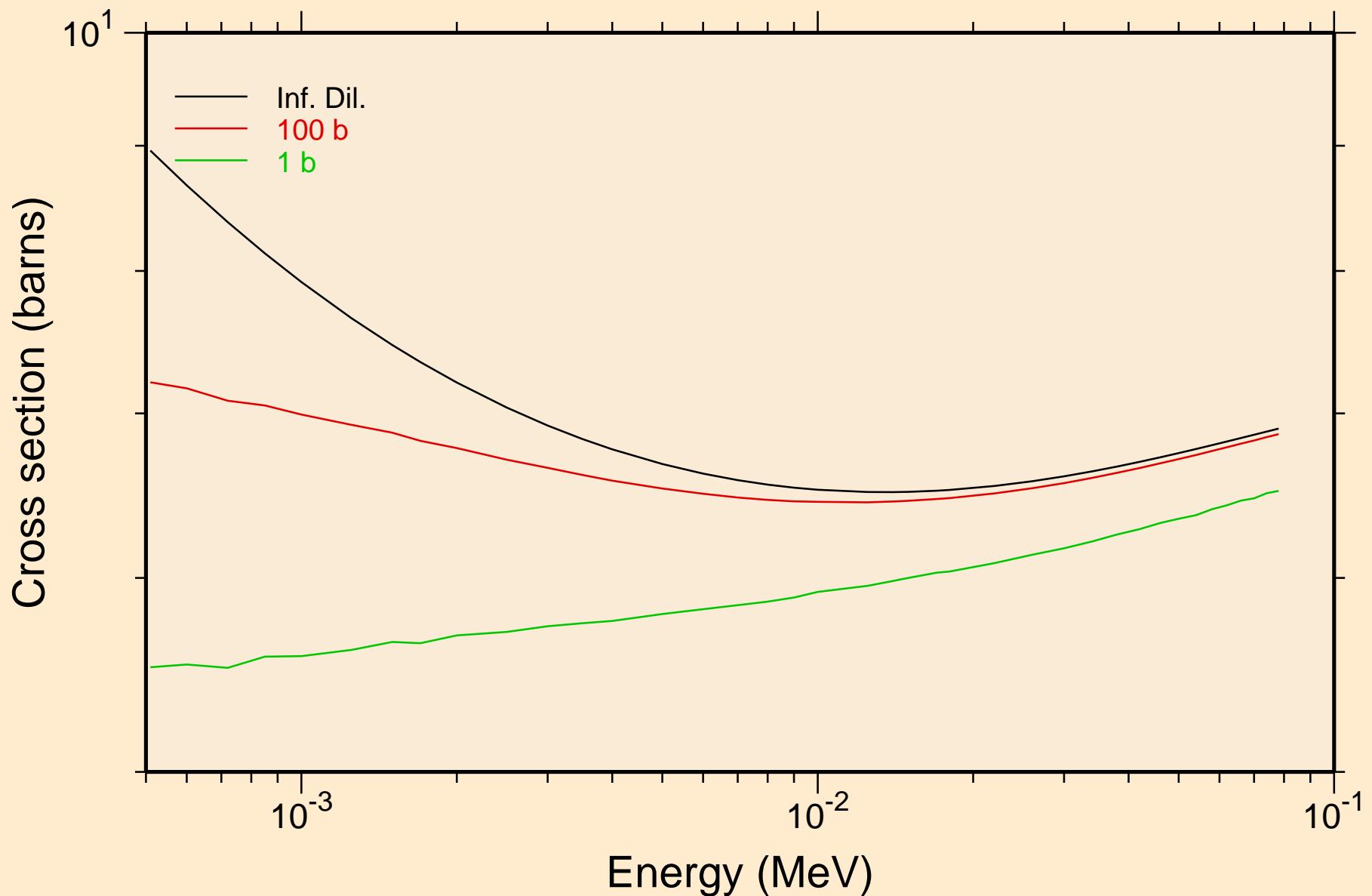
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## resonance absorption cross sections



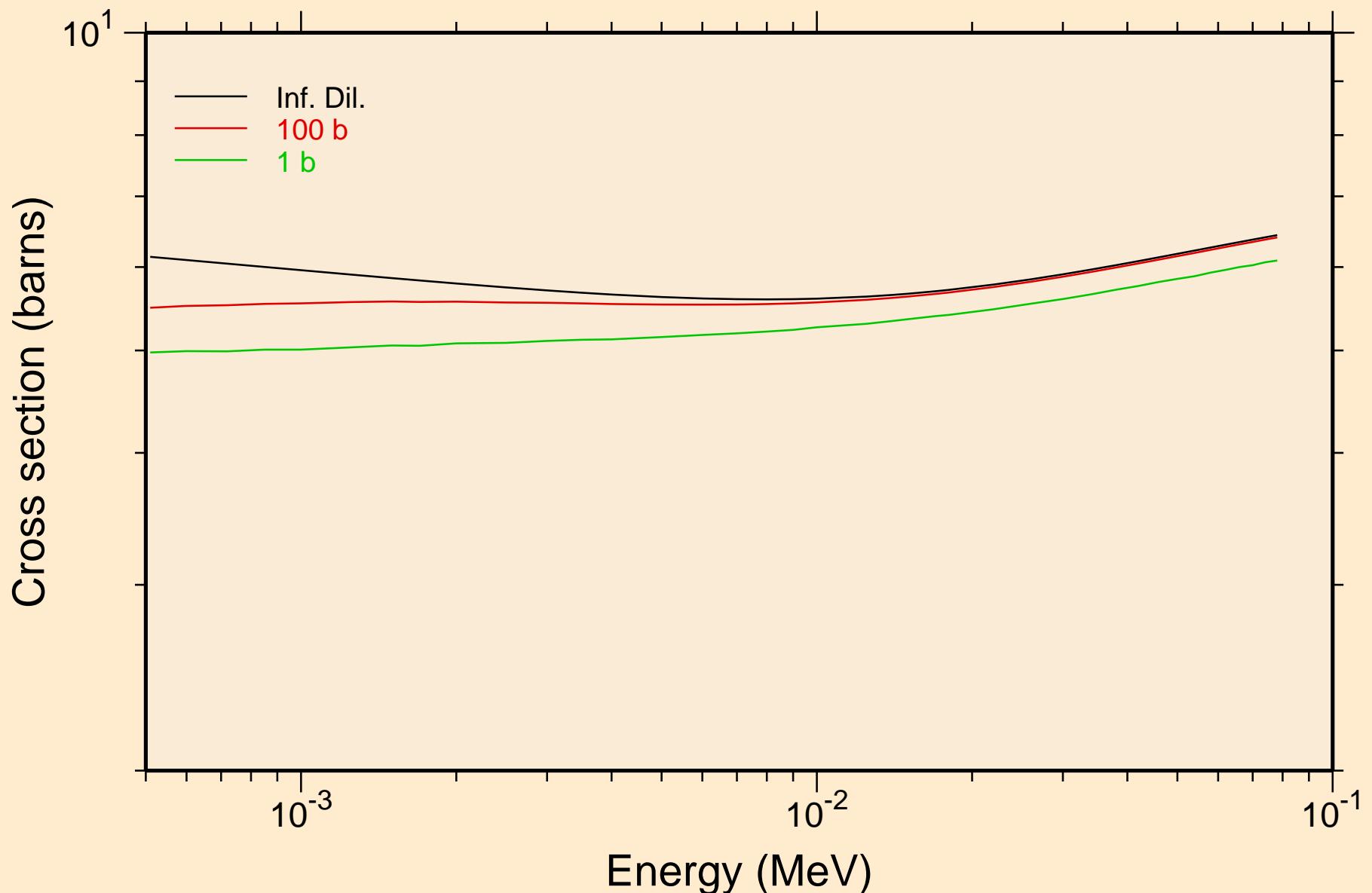
# ENDF/B-VII.1 SN-113

## UR total cross section



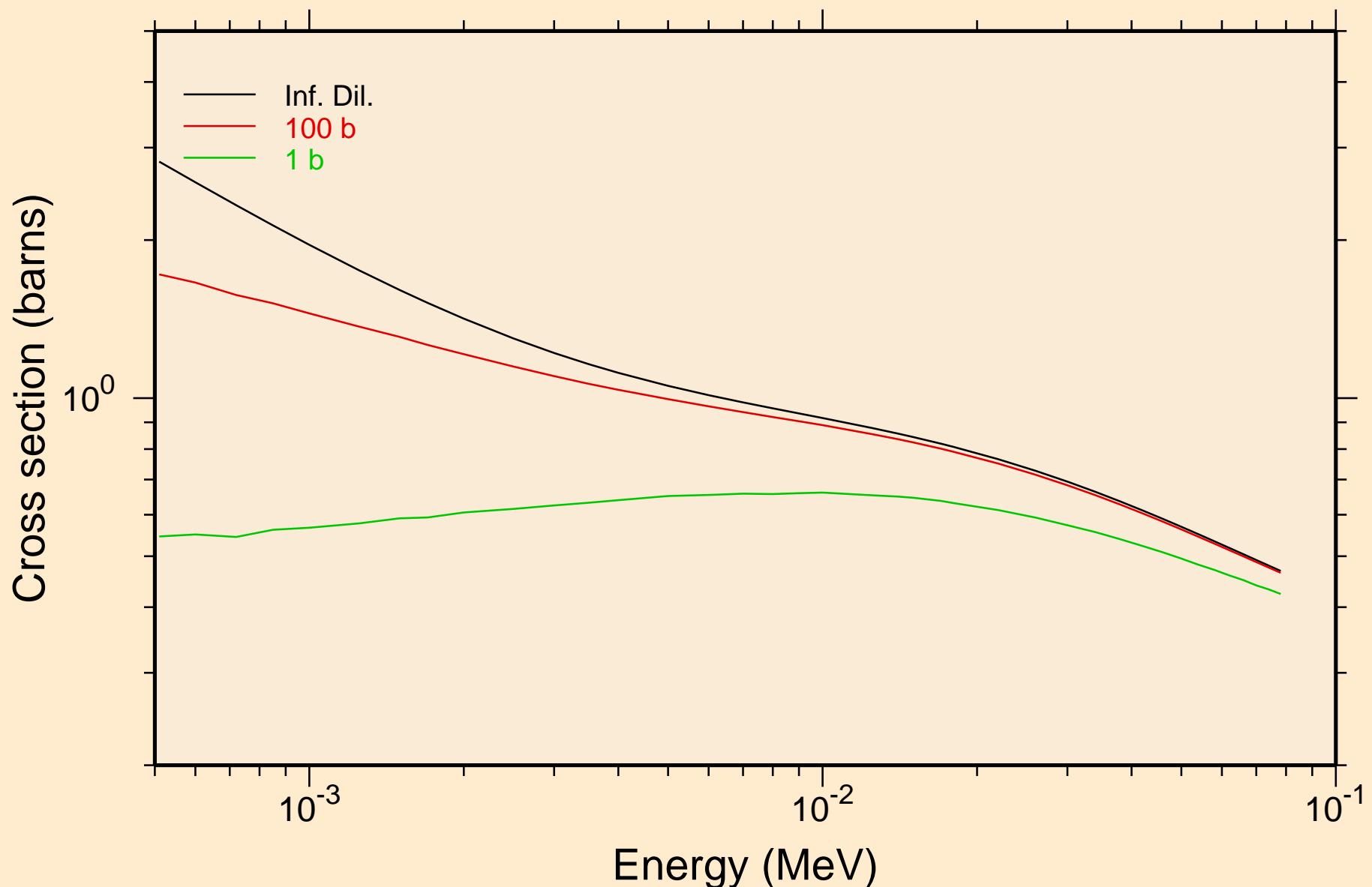
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## UR elastic cross section

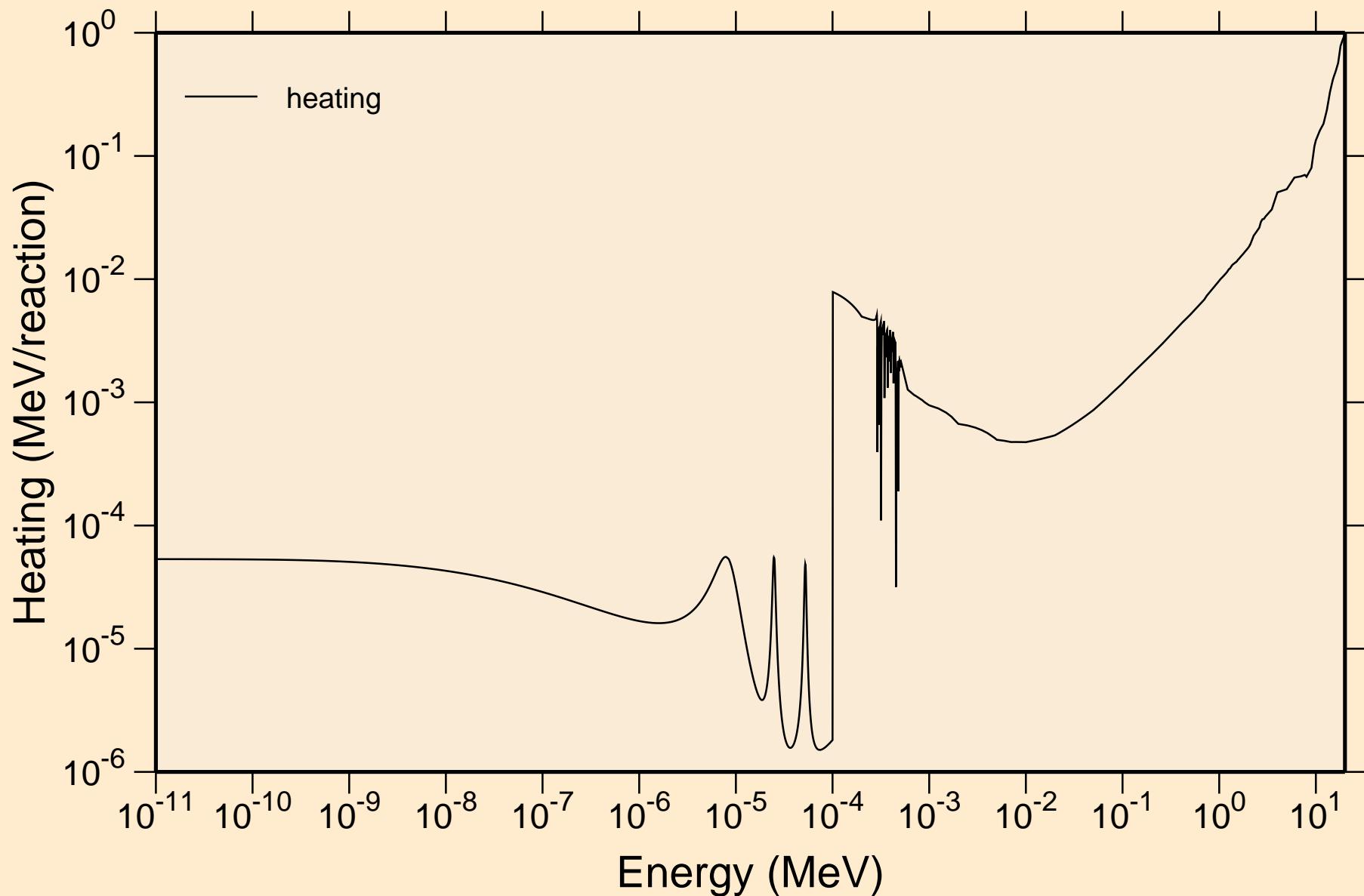


# ENDF/B-VII.1 SN-113

## UR capture cross section

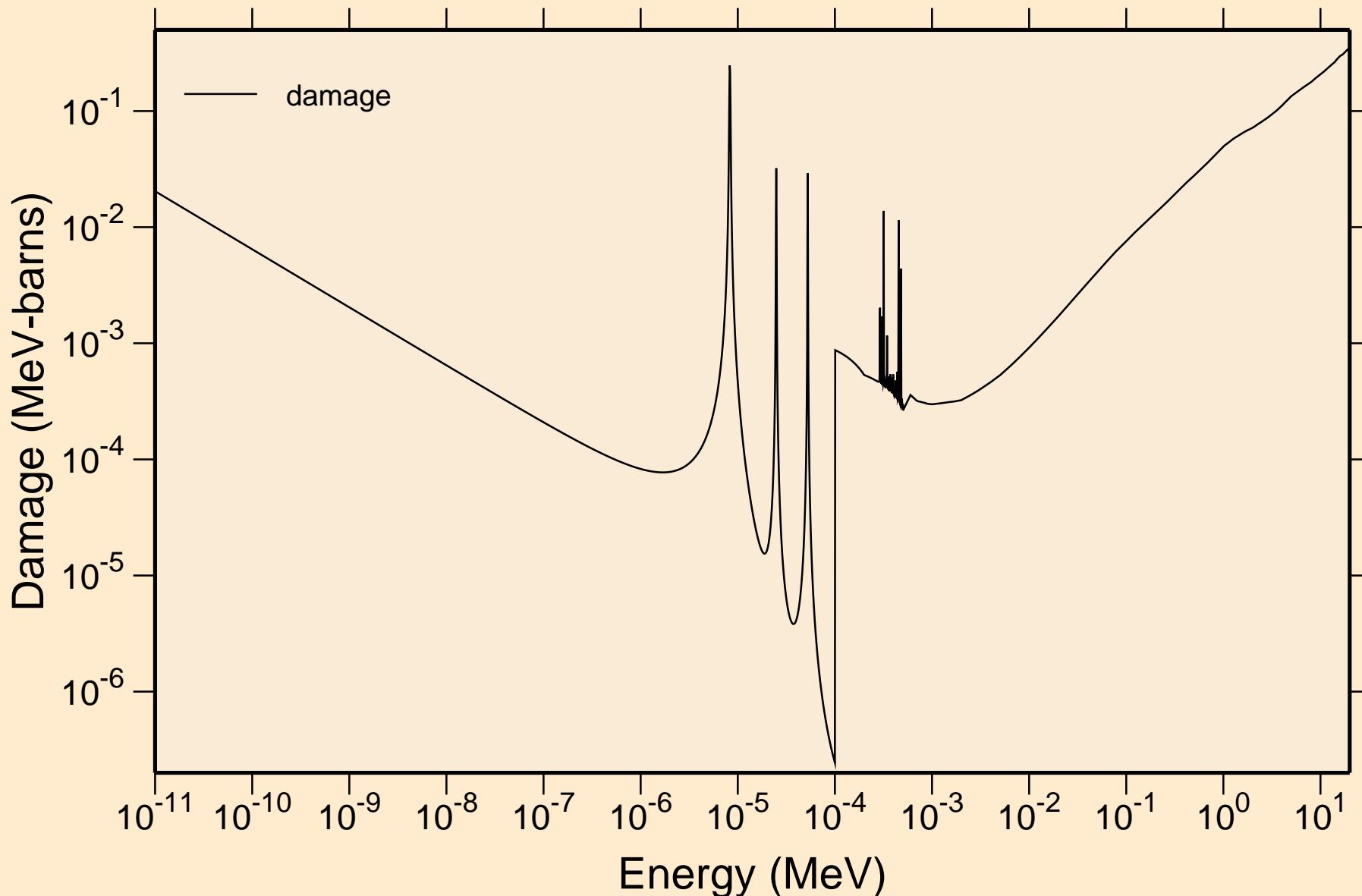


ENDF/B-VII.1 SN-113  
Heating

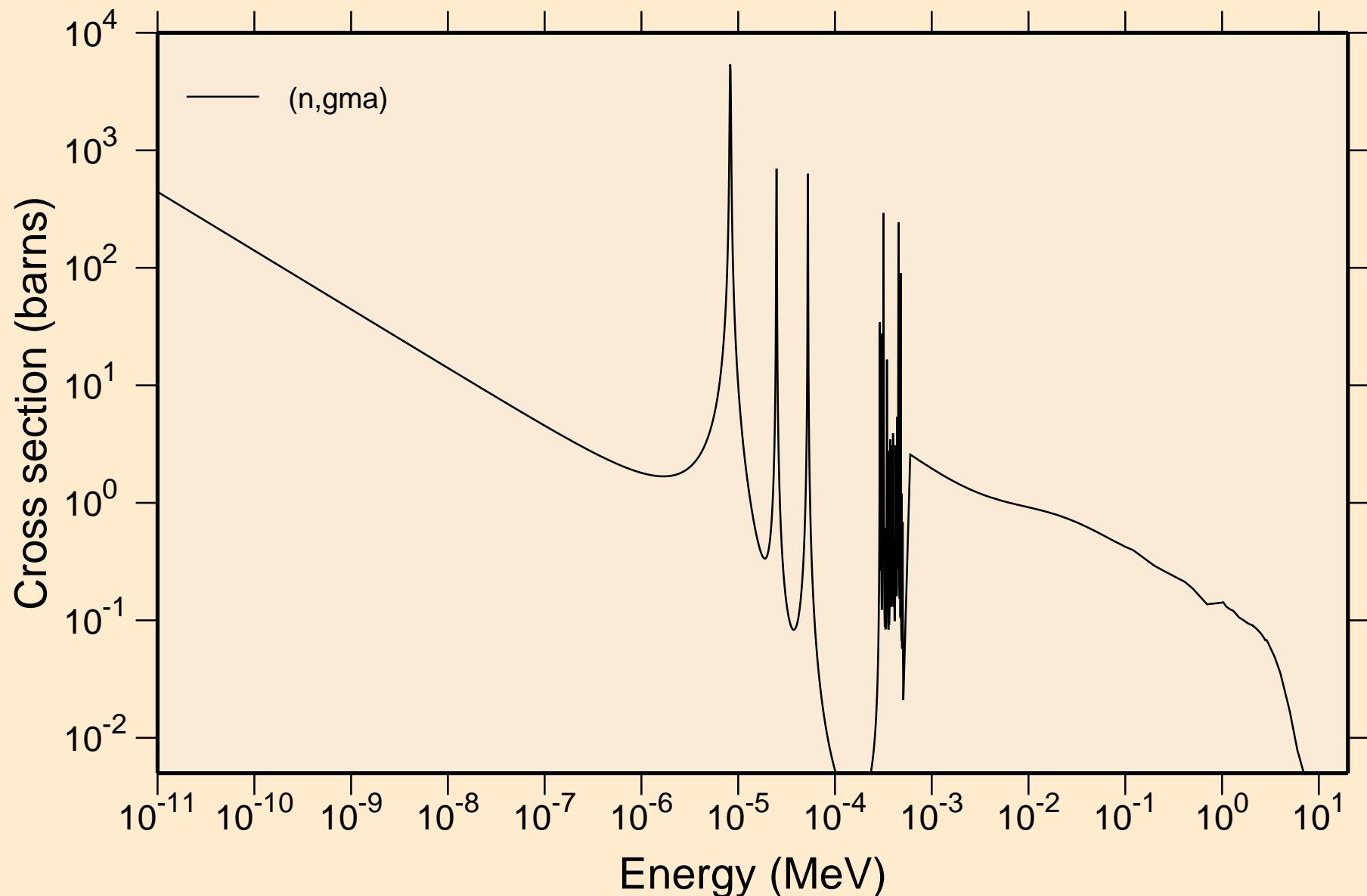


# ENDF/B-VII.1 SN-113

## Damage

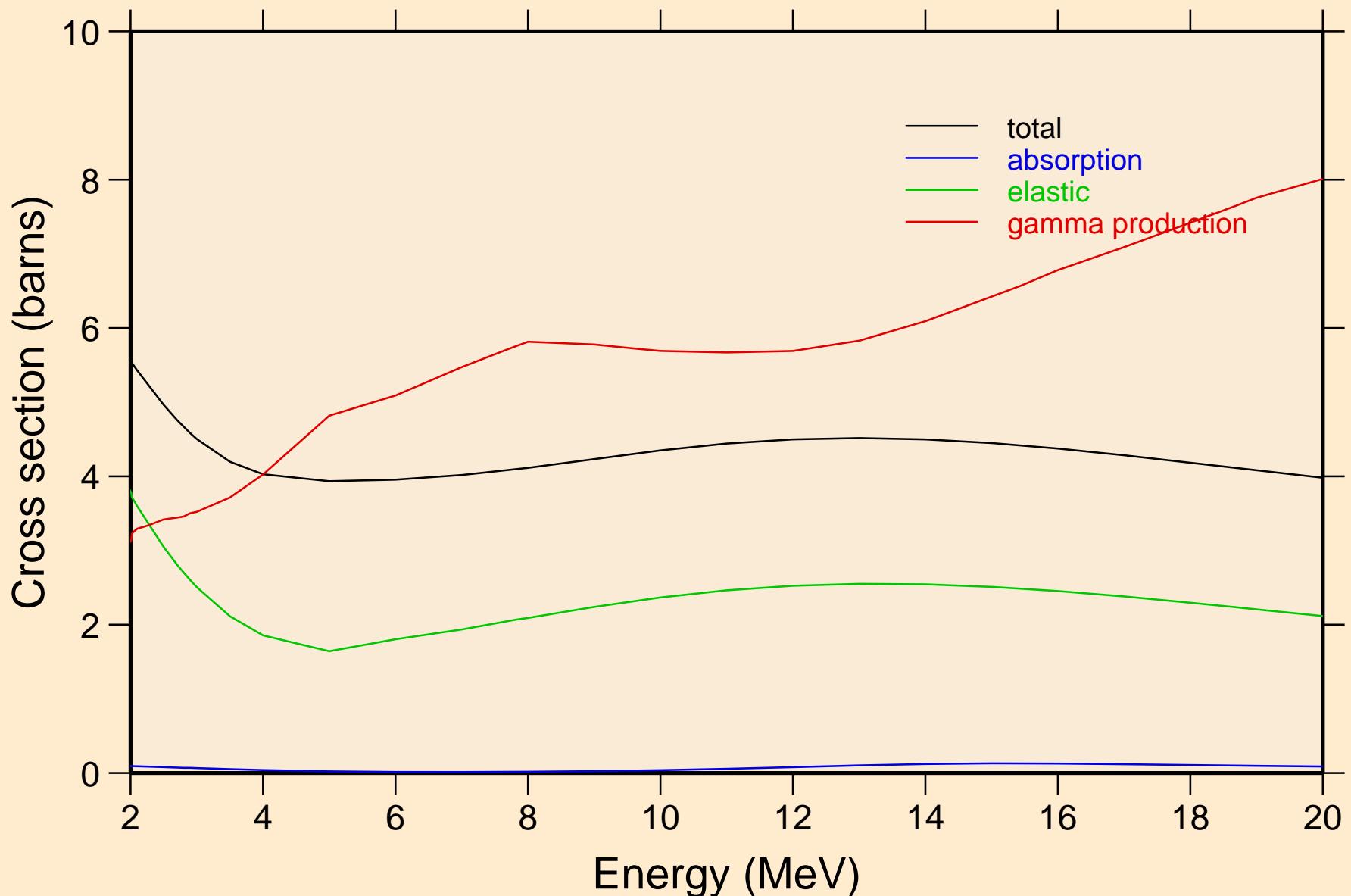


ENDF/B-VII.1 SN-113  
Non-threshold reactions



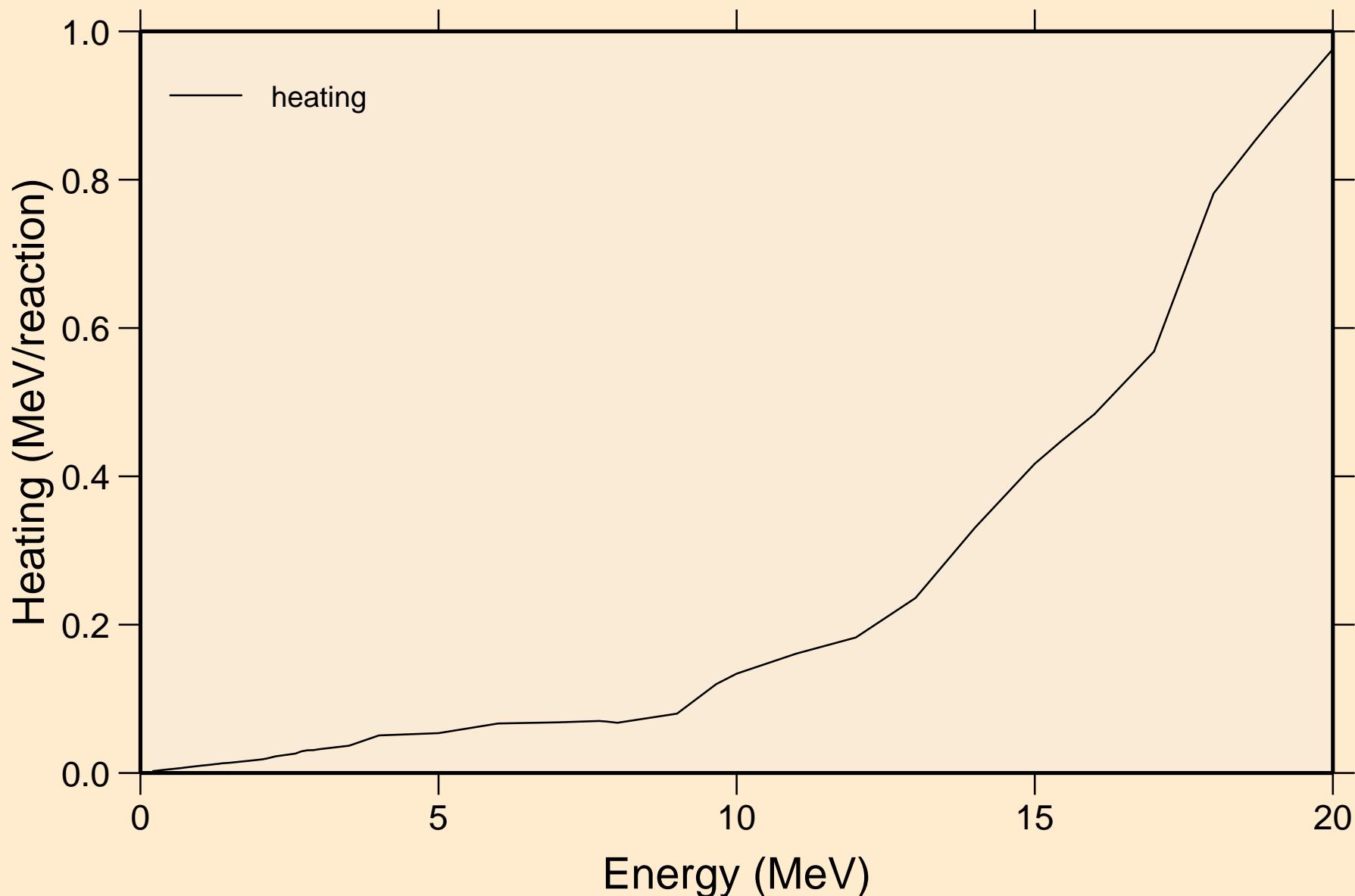
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## Principal cross sections



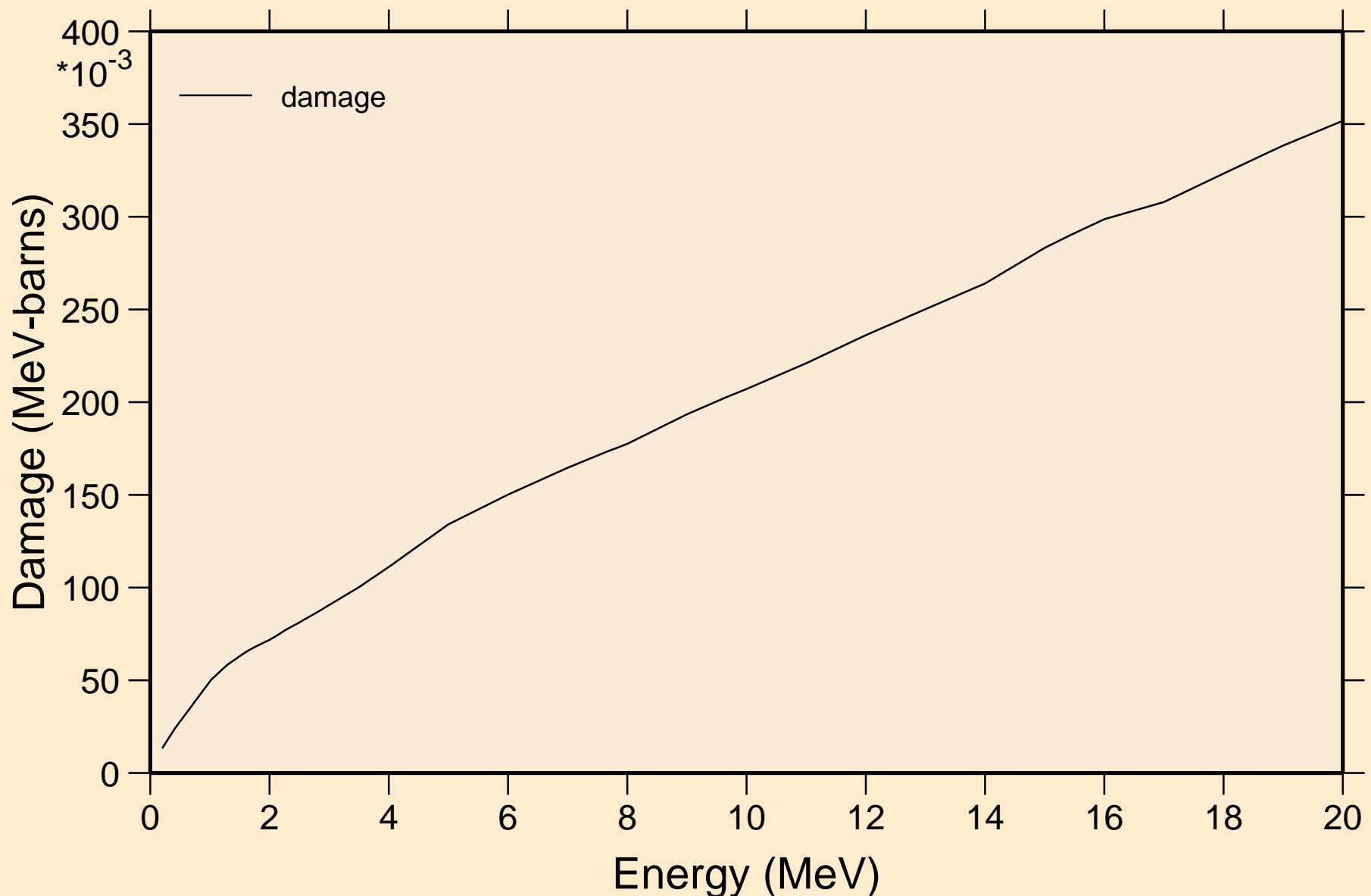
# ENDF/B-VII.1 SN-113

## Heating



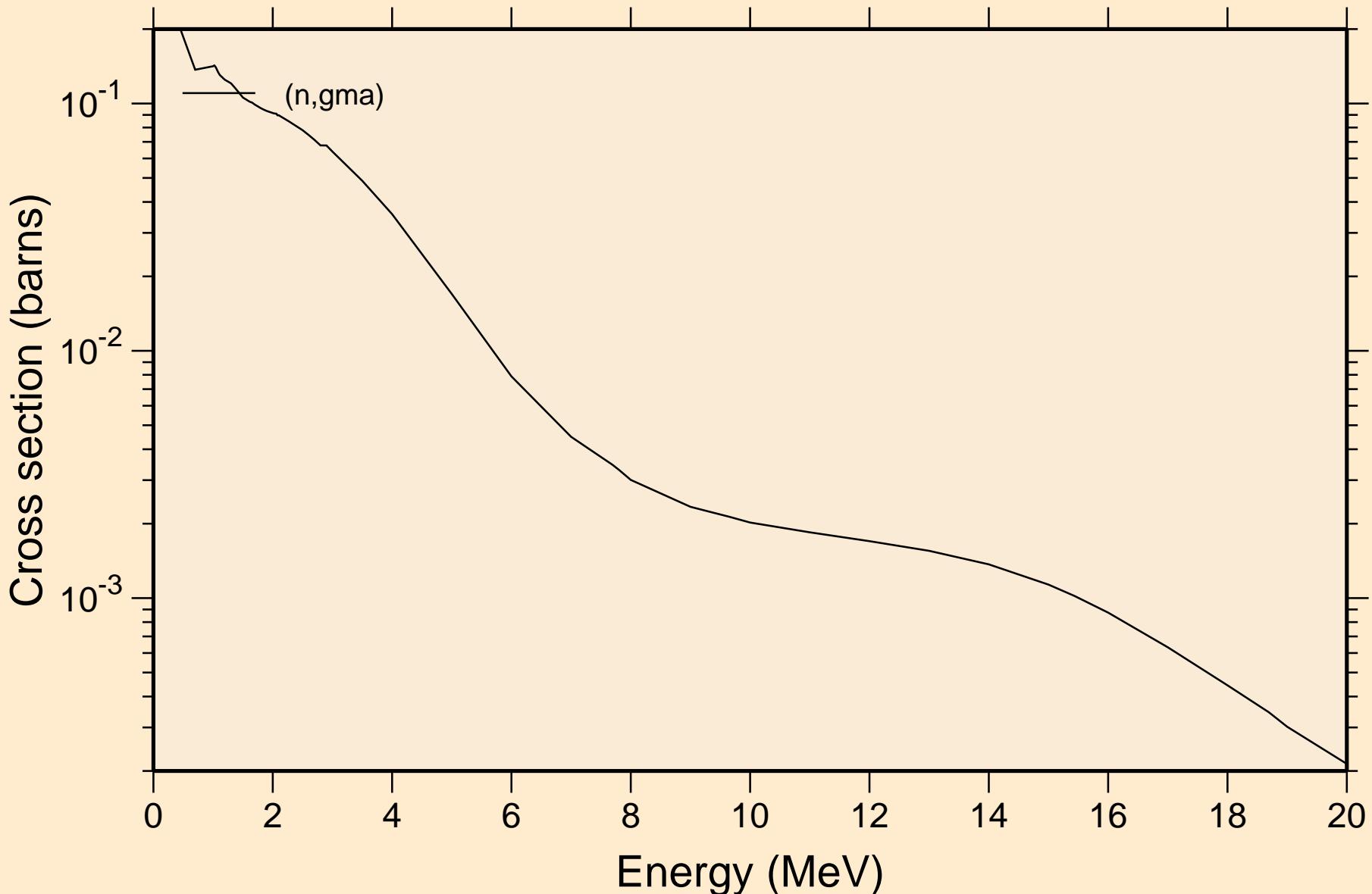
# ENDF/B-VII.1 SN-113

## Damage



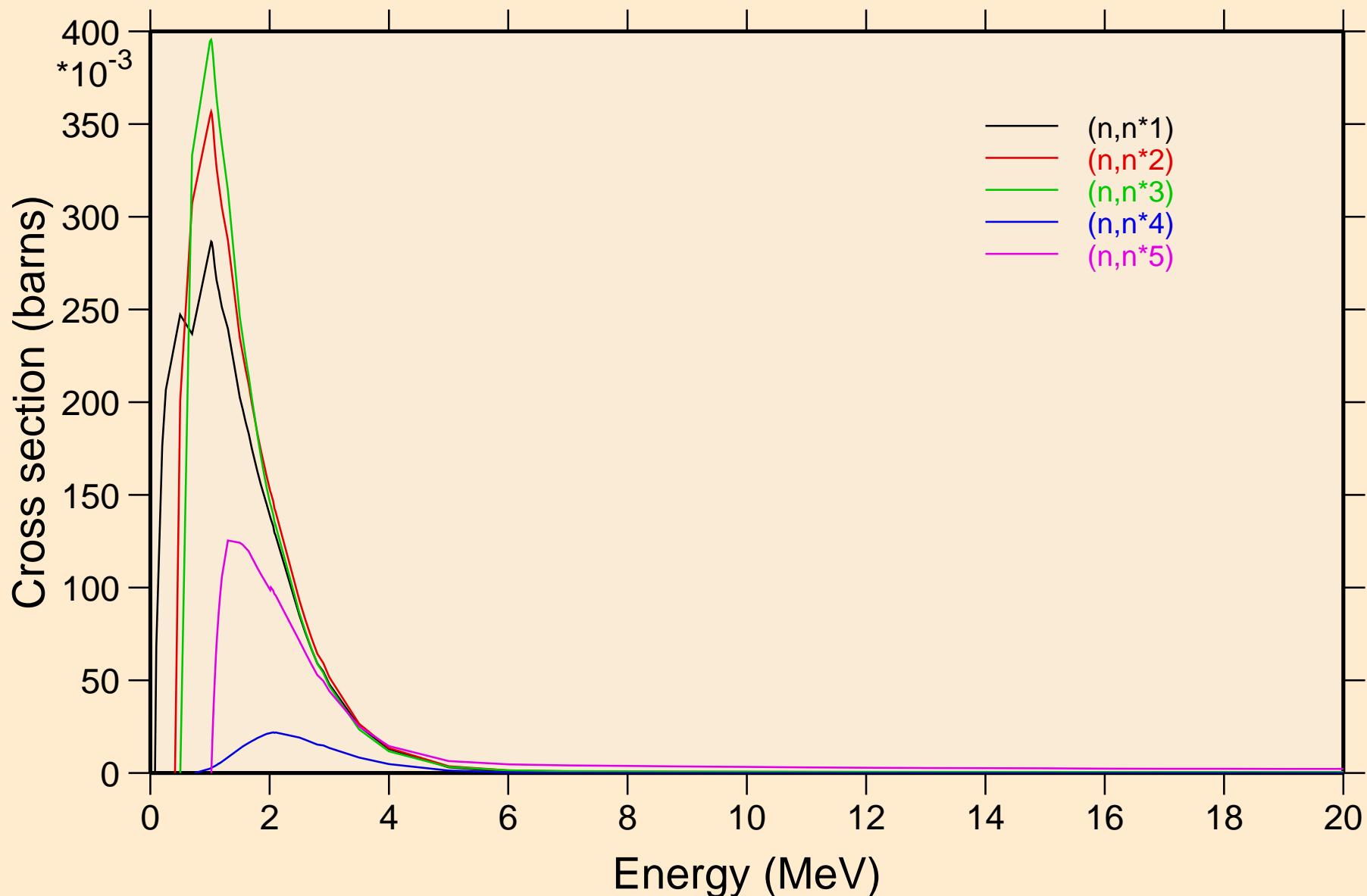
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## Non-threshold reactions



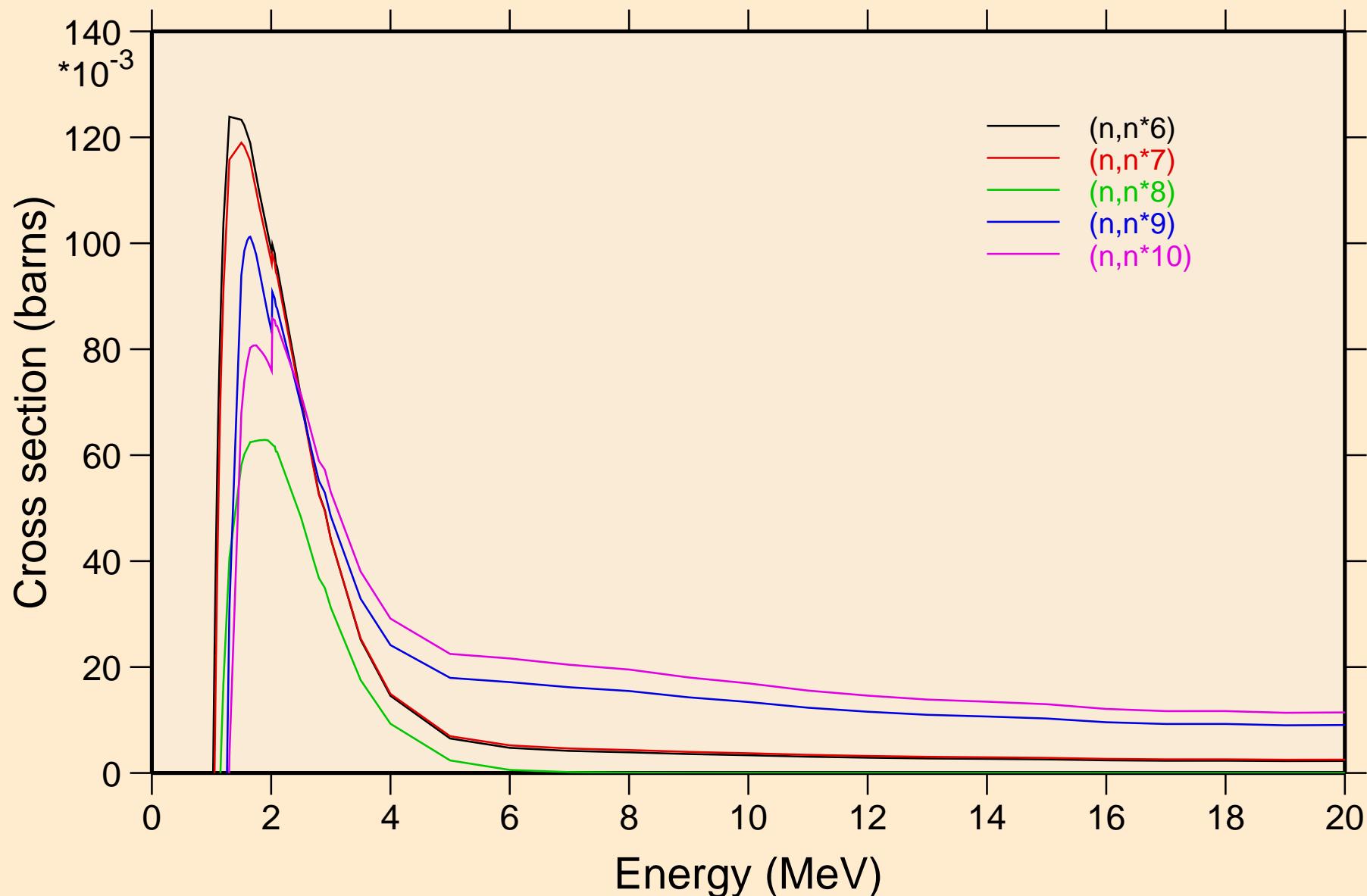
# ENDF/B-VII.1 SN-113

## Inelastic levels



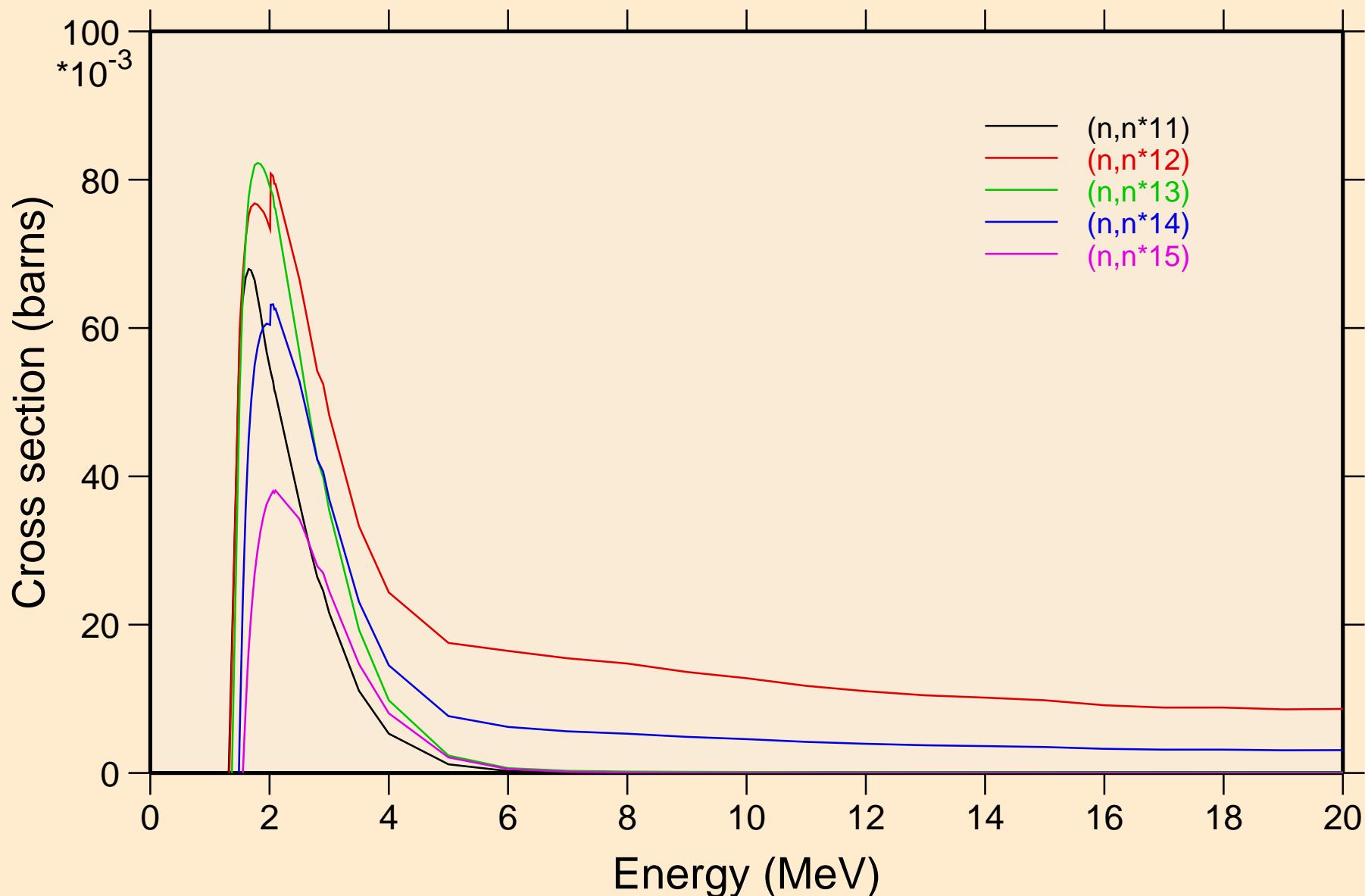
# ENDF/B-VII.1 SN-113

## Inelastic levels



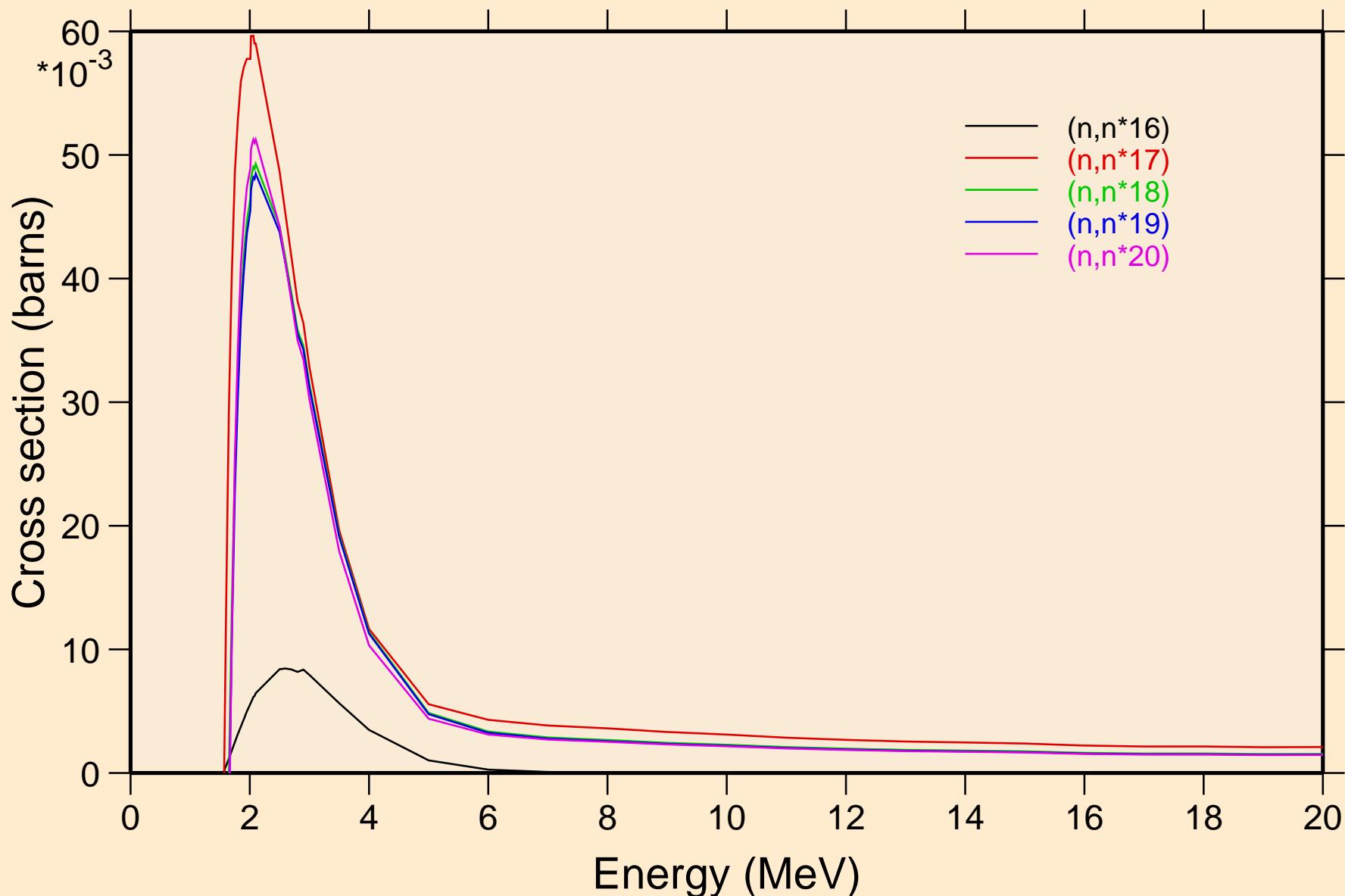
# ENDF/B-VII.1 SN-113

## Inelastic levels



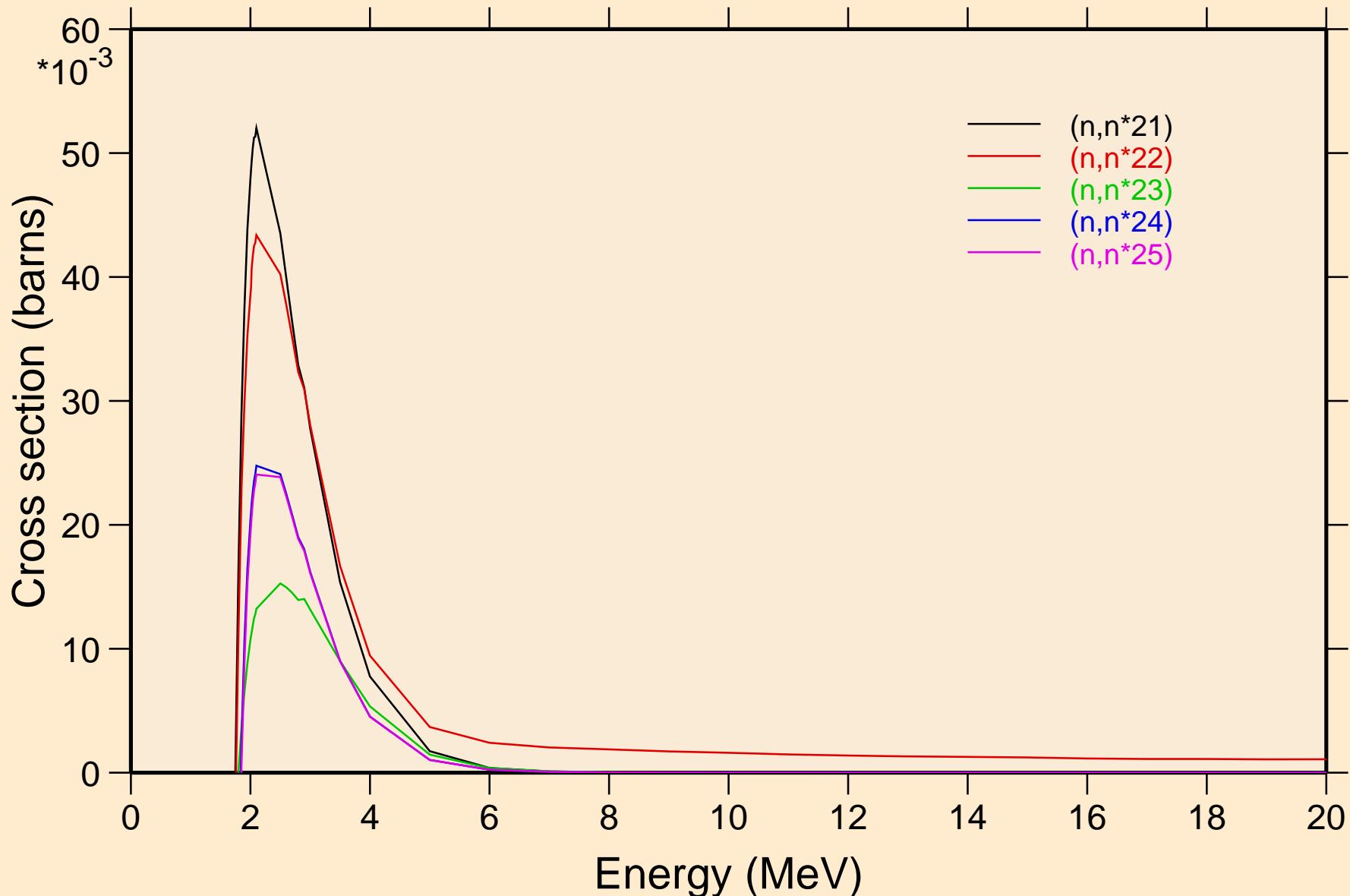
# ENDF/B-VII.1 SN-113

## Inelastic levels



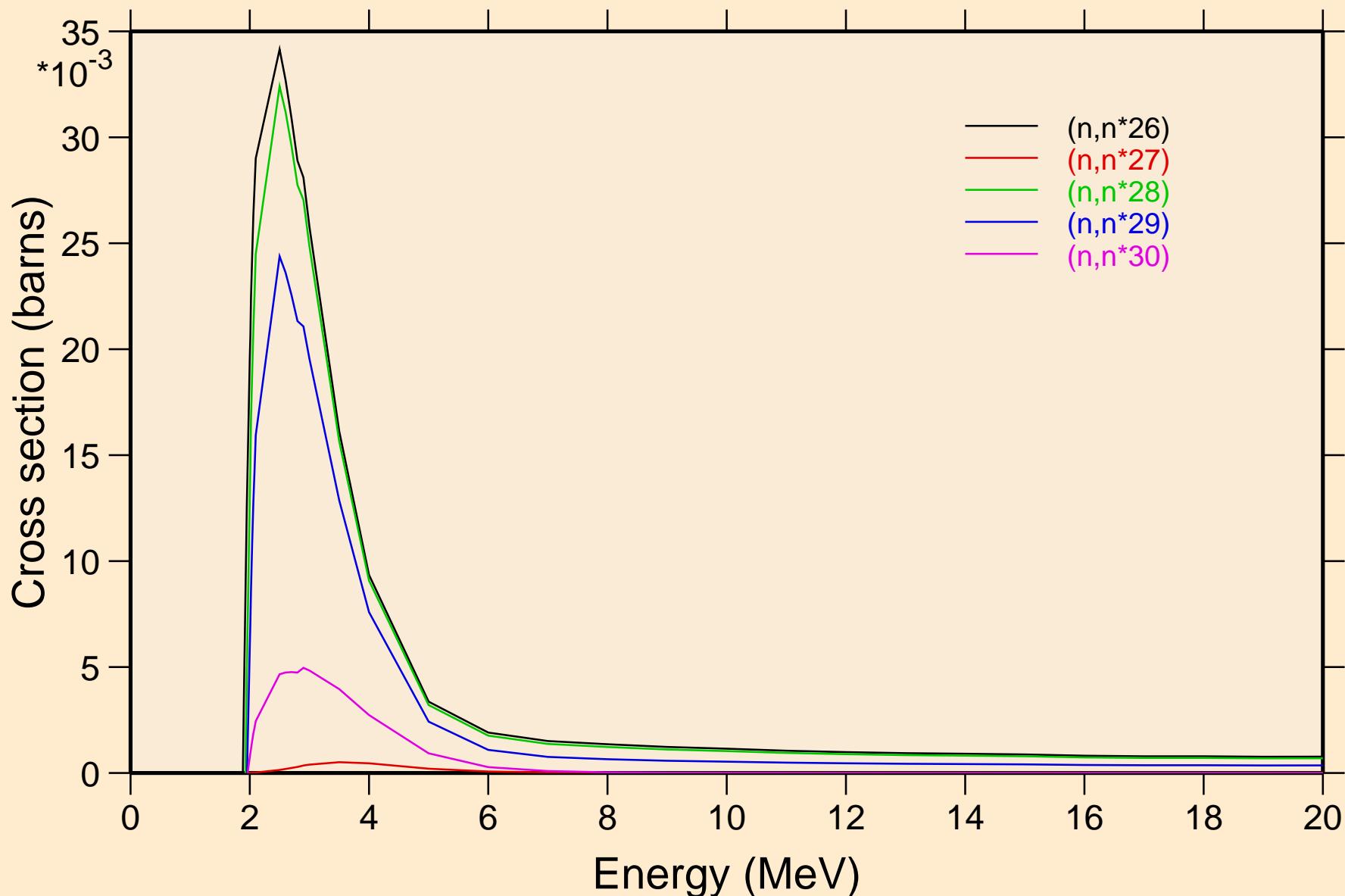
# ENDF/B-VII.1 SN-113

## Inelastic levels



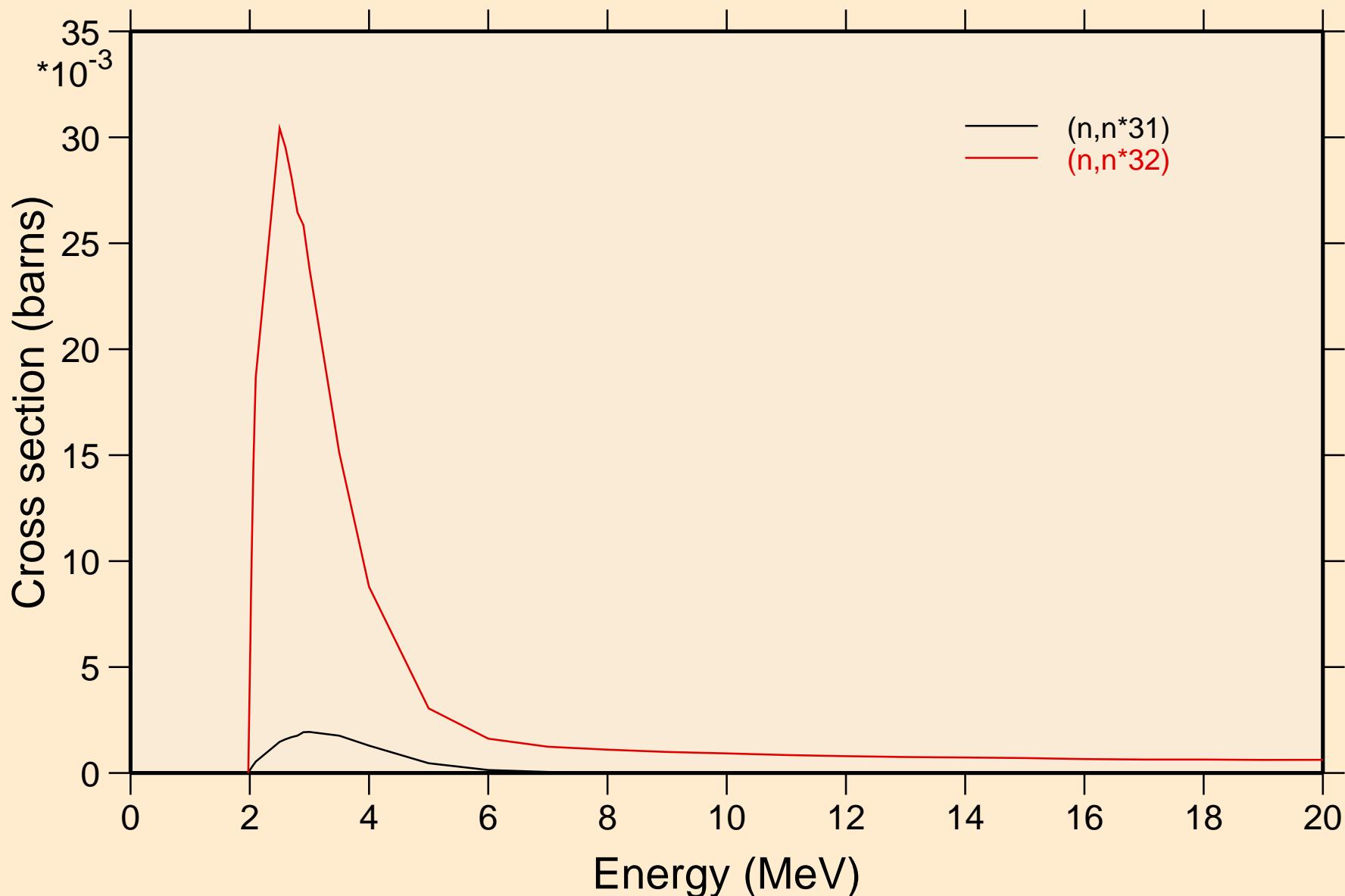
# ENDF/B-VII.1 SN-113

## Inelastic levels



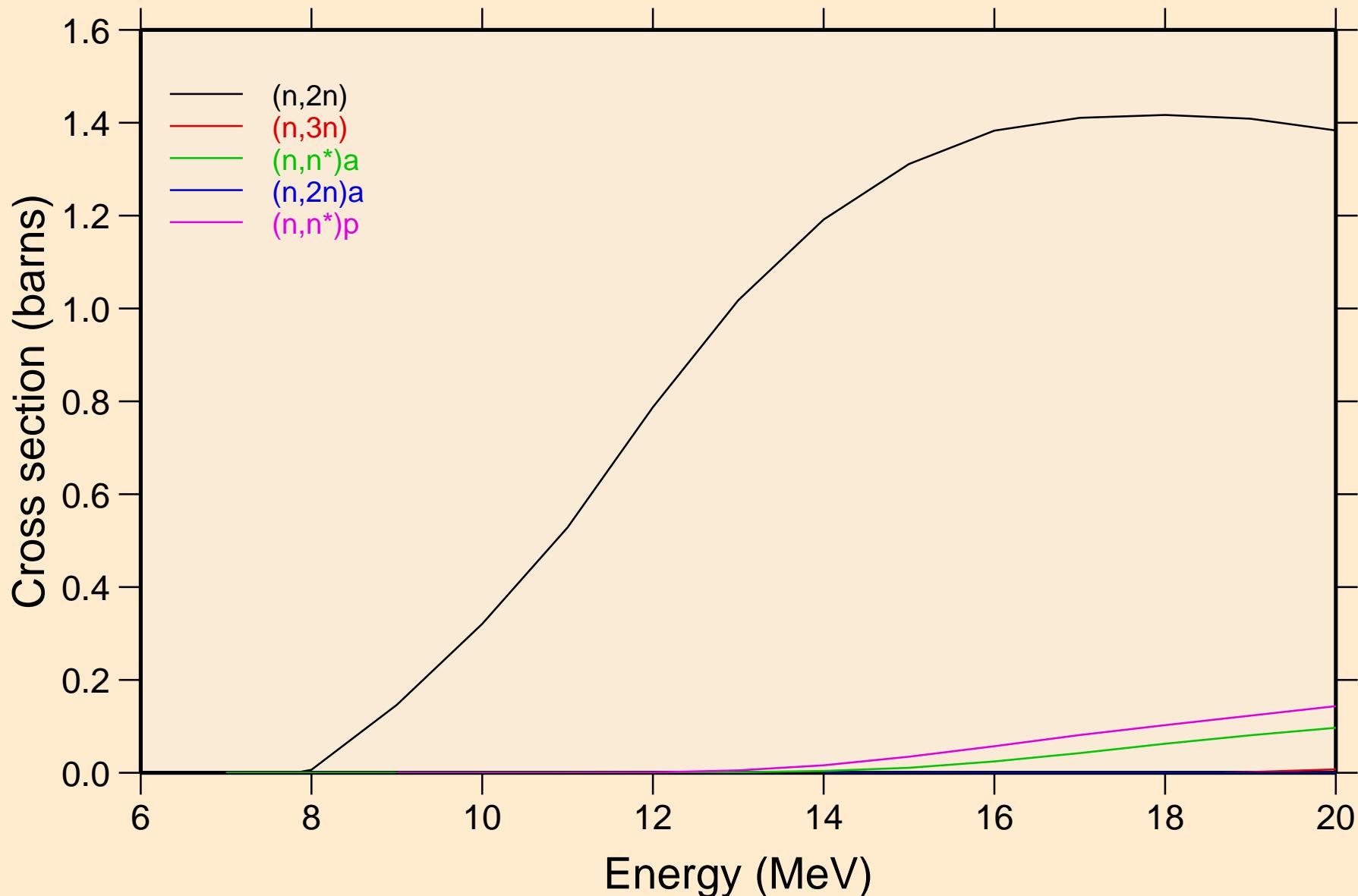
ENDF/B-VII.1 SN-113

Inelastic levels



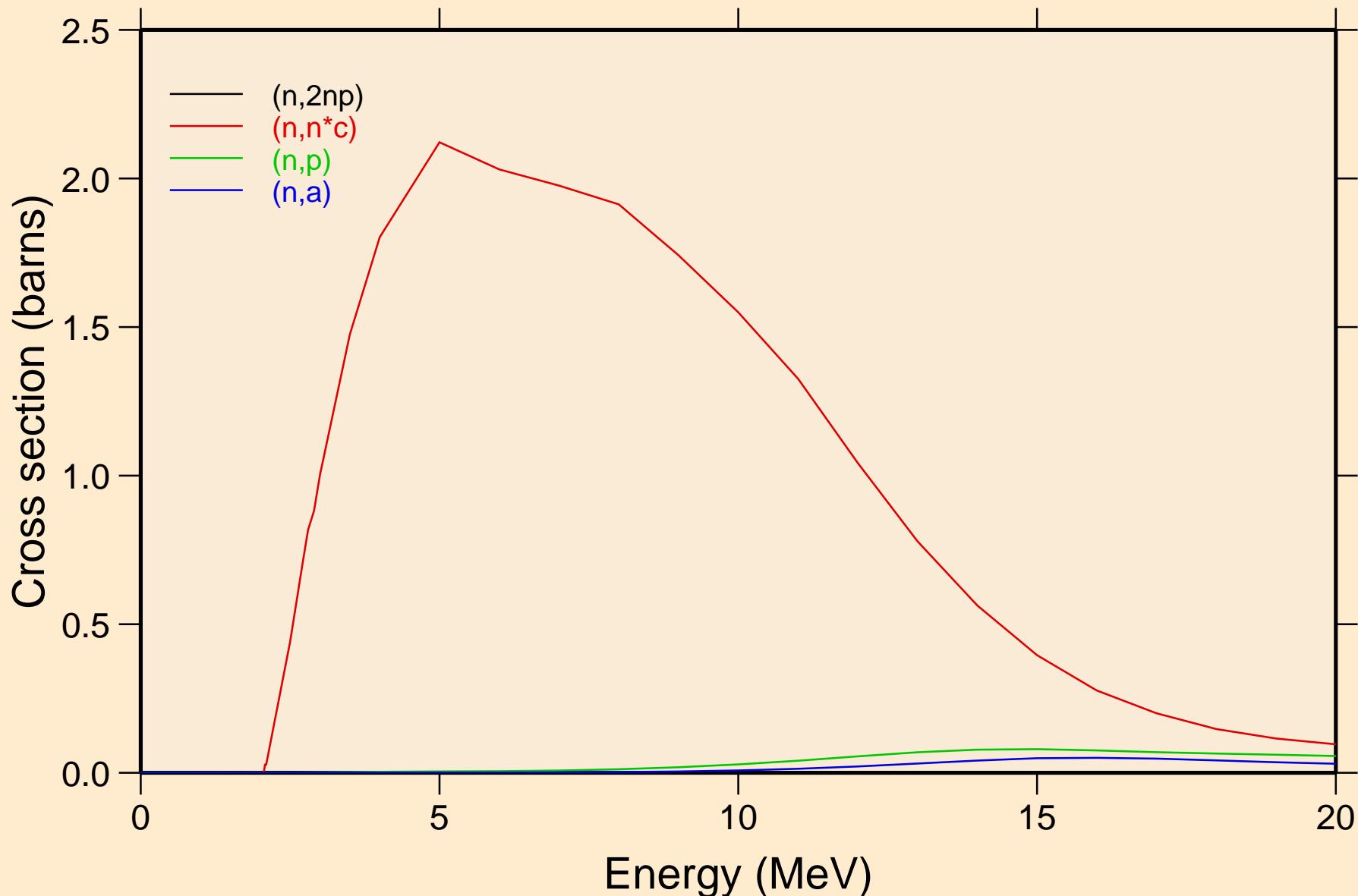
# ENDF/B-VII.1 SN-113

## Threshold reactions



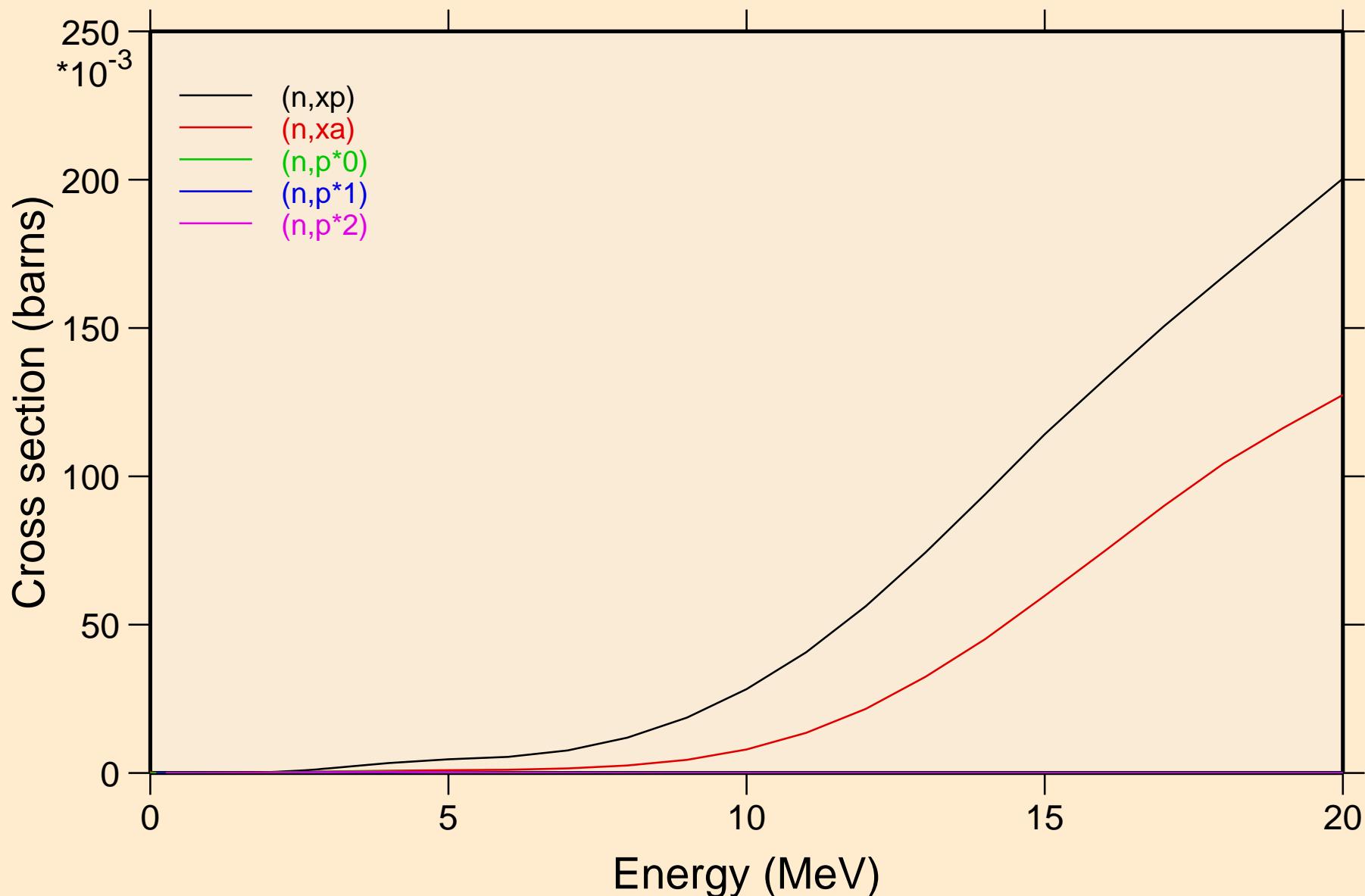
# ENDF/B-VII.1 SN-113

## Threshold reactions



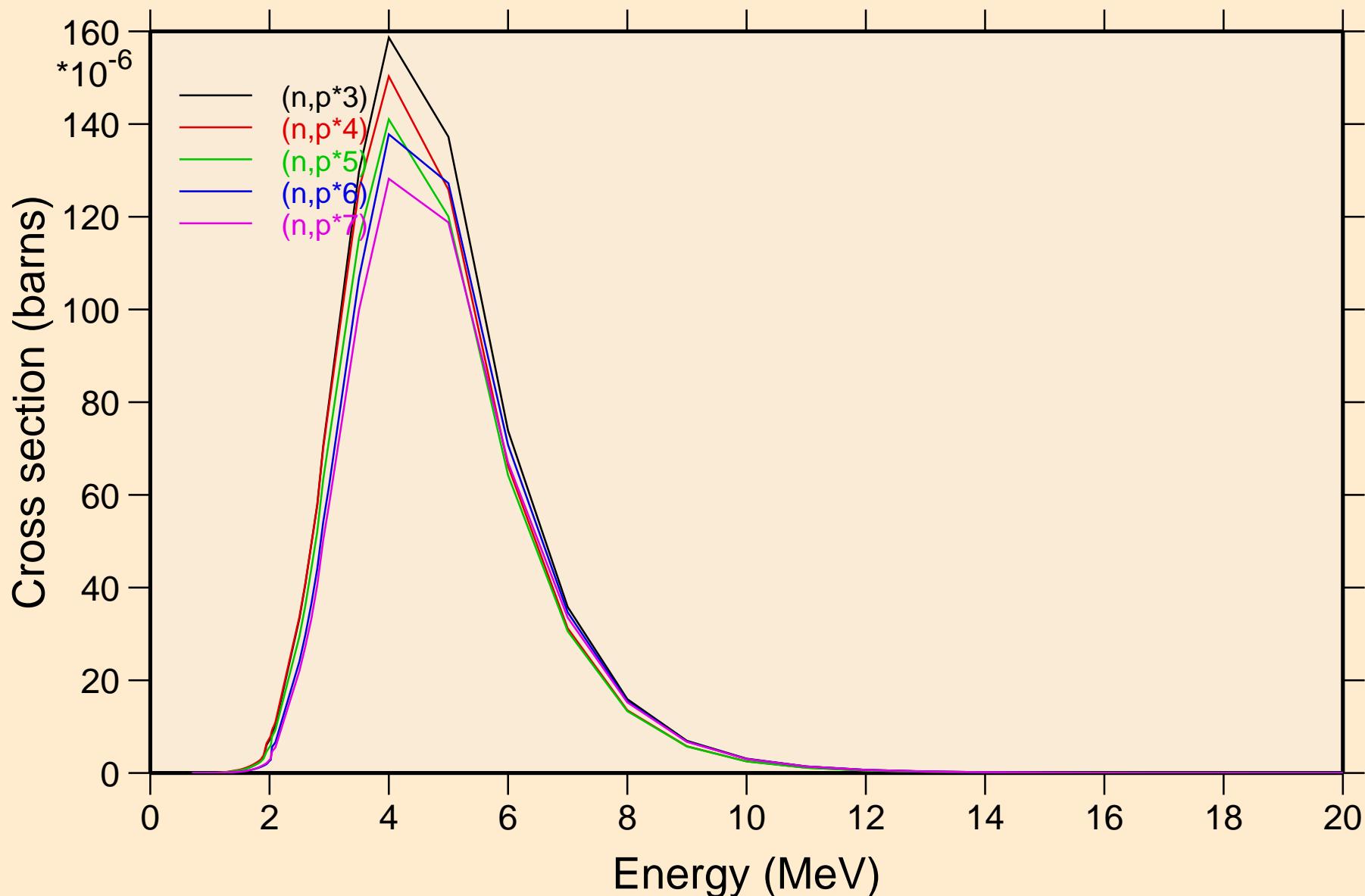
# ENDF/B-VII.1 SN-113

## Threshold reactions



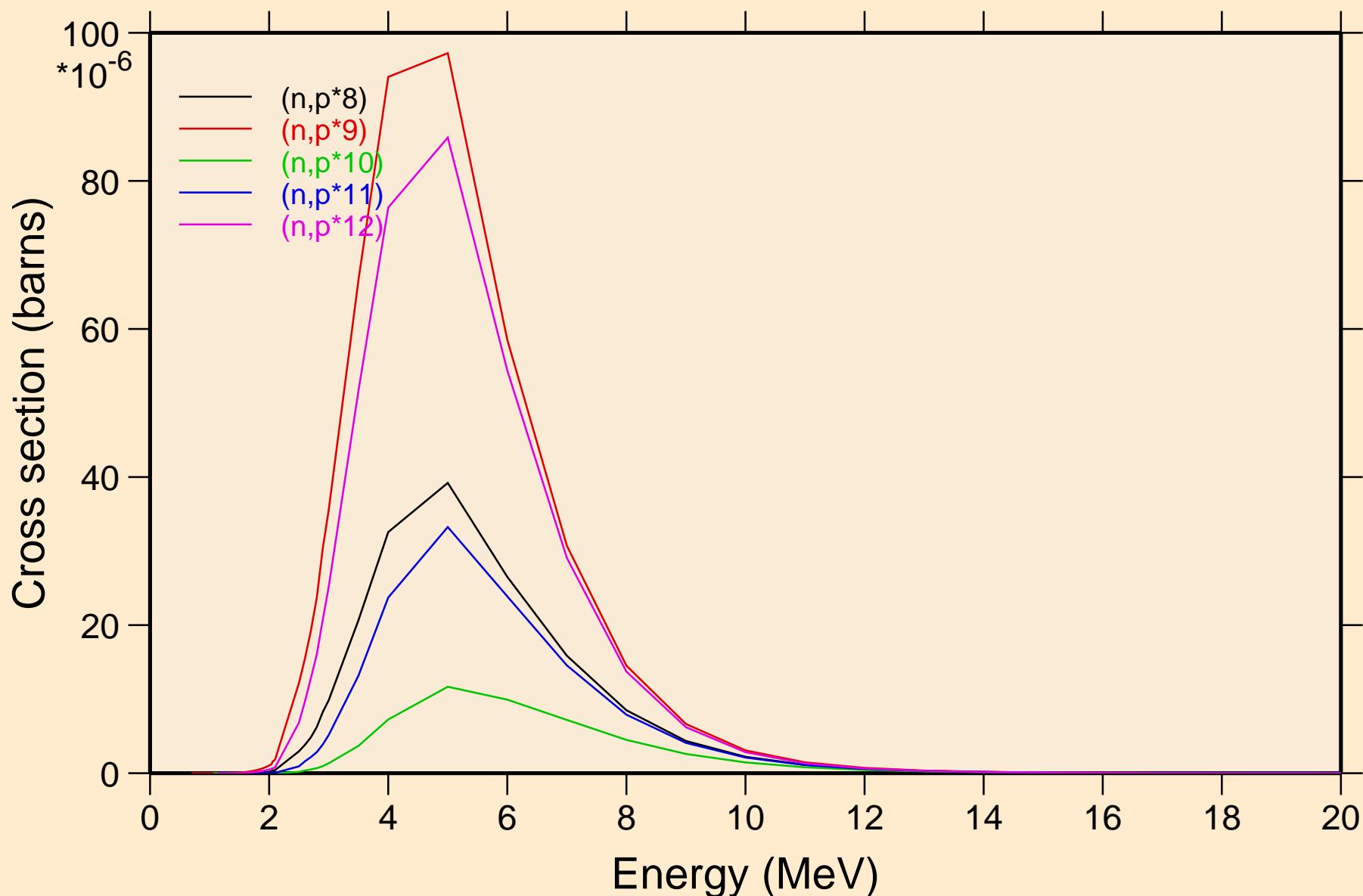
# ENDF/B-VII.1 SN-113

## Threshold reactions



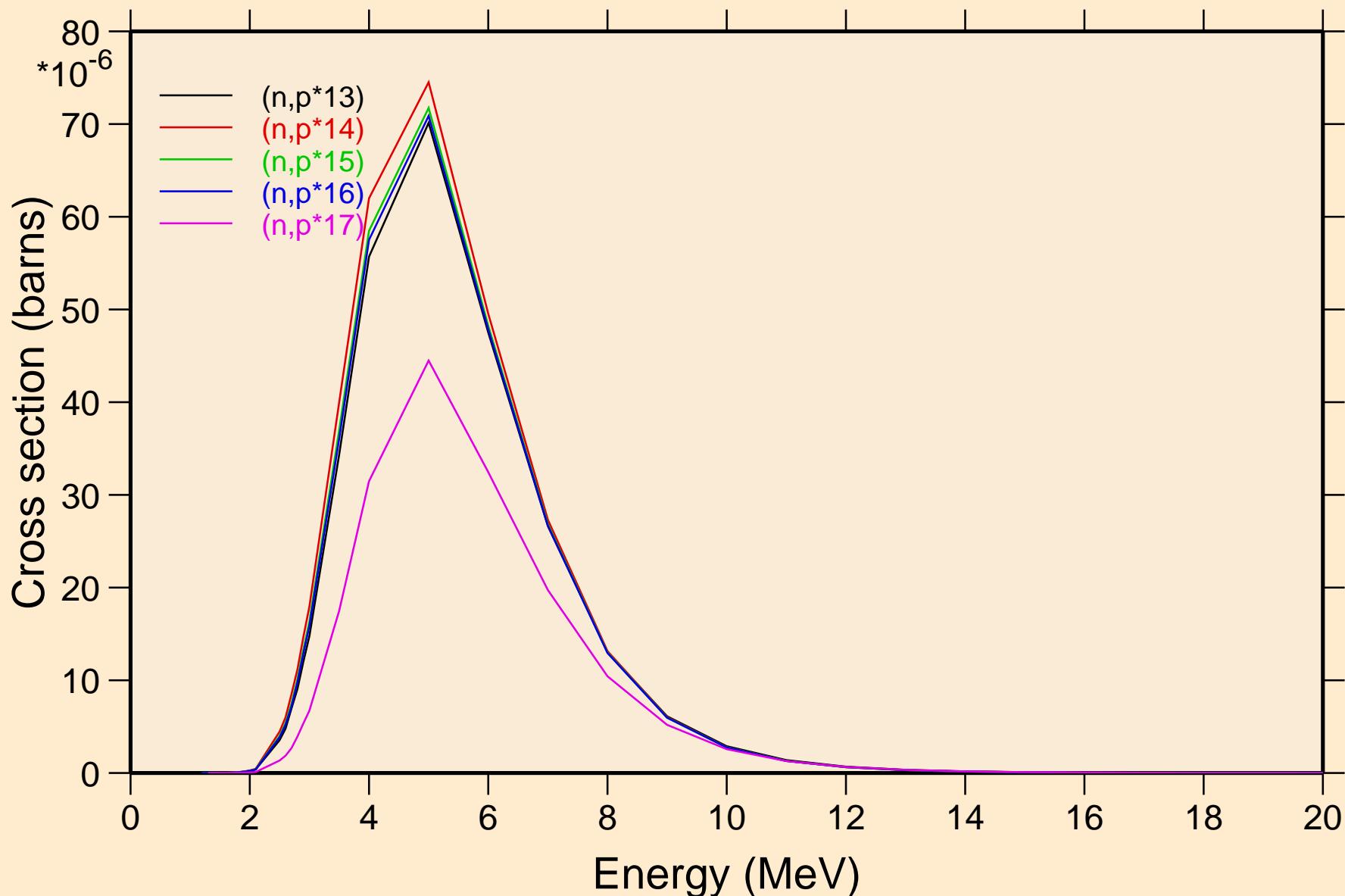
# ENDF/B-VII.1 SN-113

## Threshold reactions



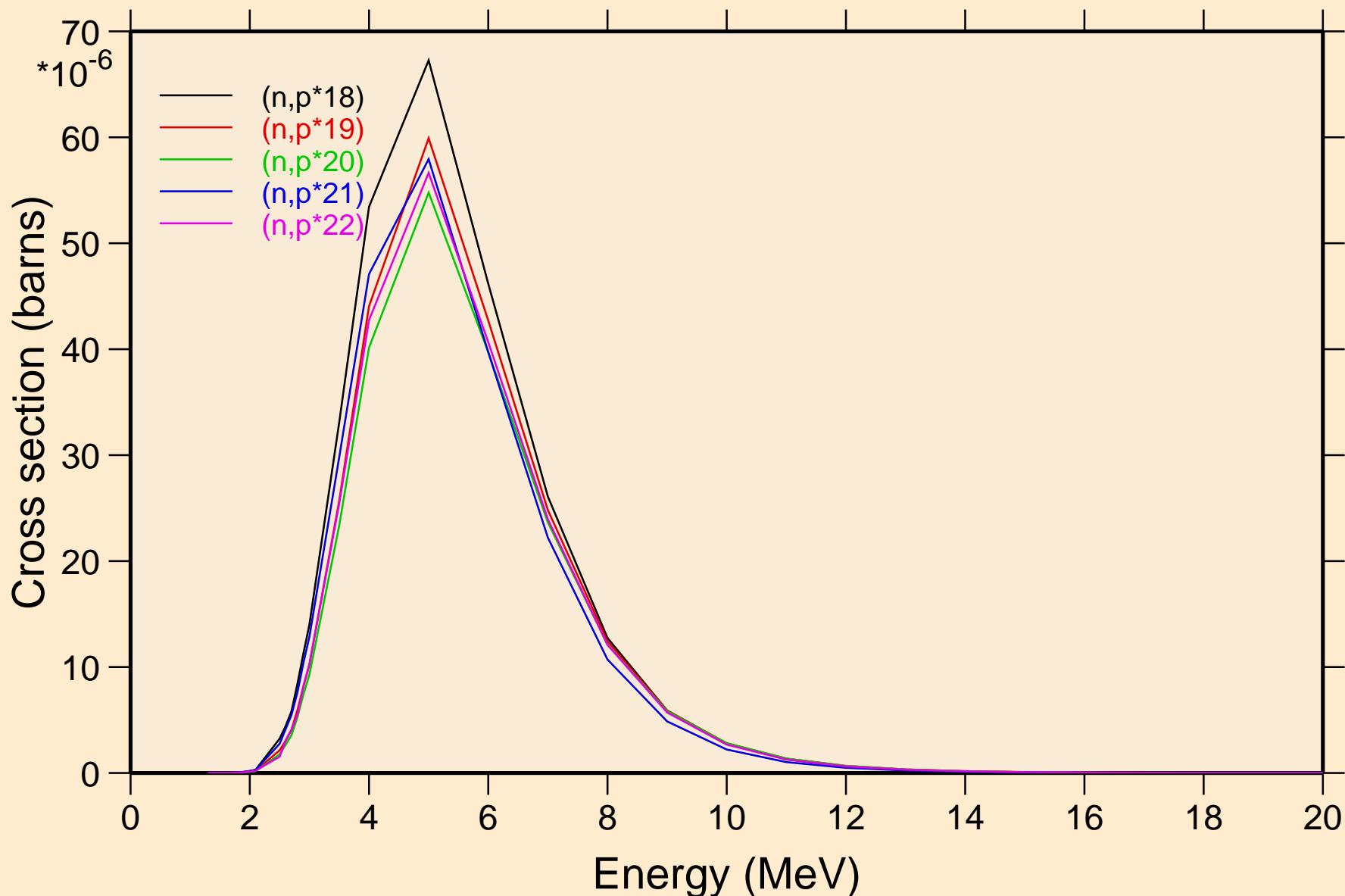
# ENDF/B-VII.1 SN-113

## Threshold reactions



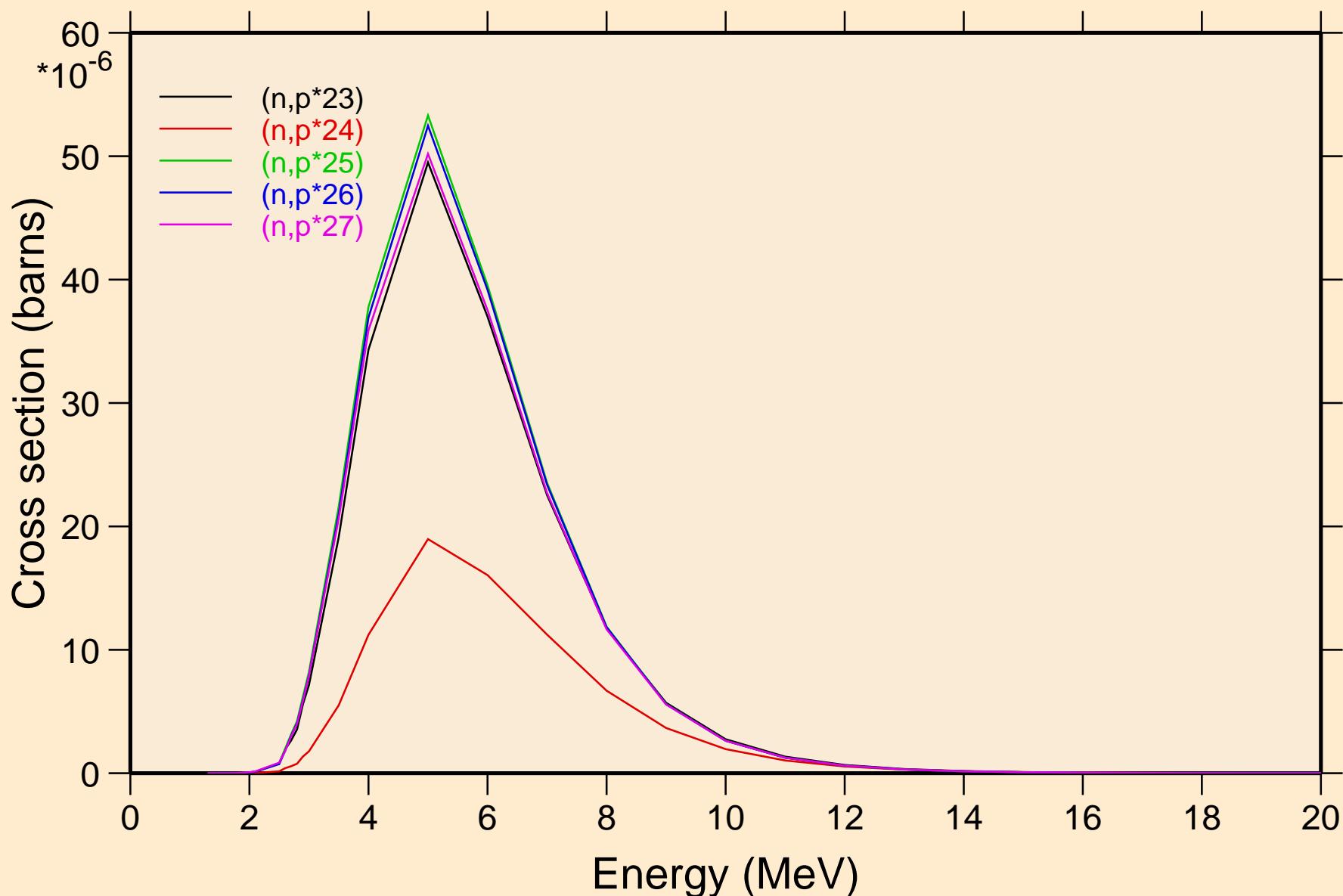
# ENDF/B-VII.1 SN-113

## Threshold reactions



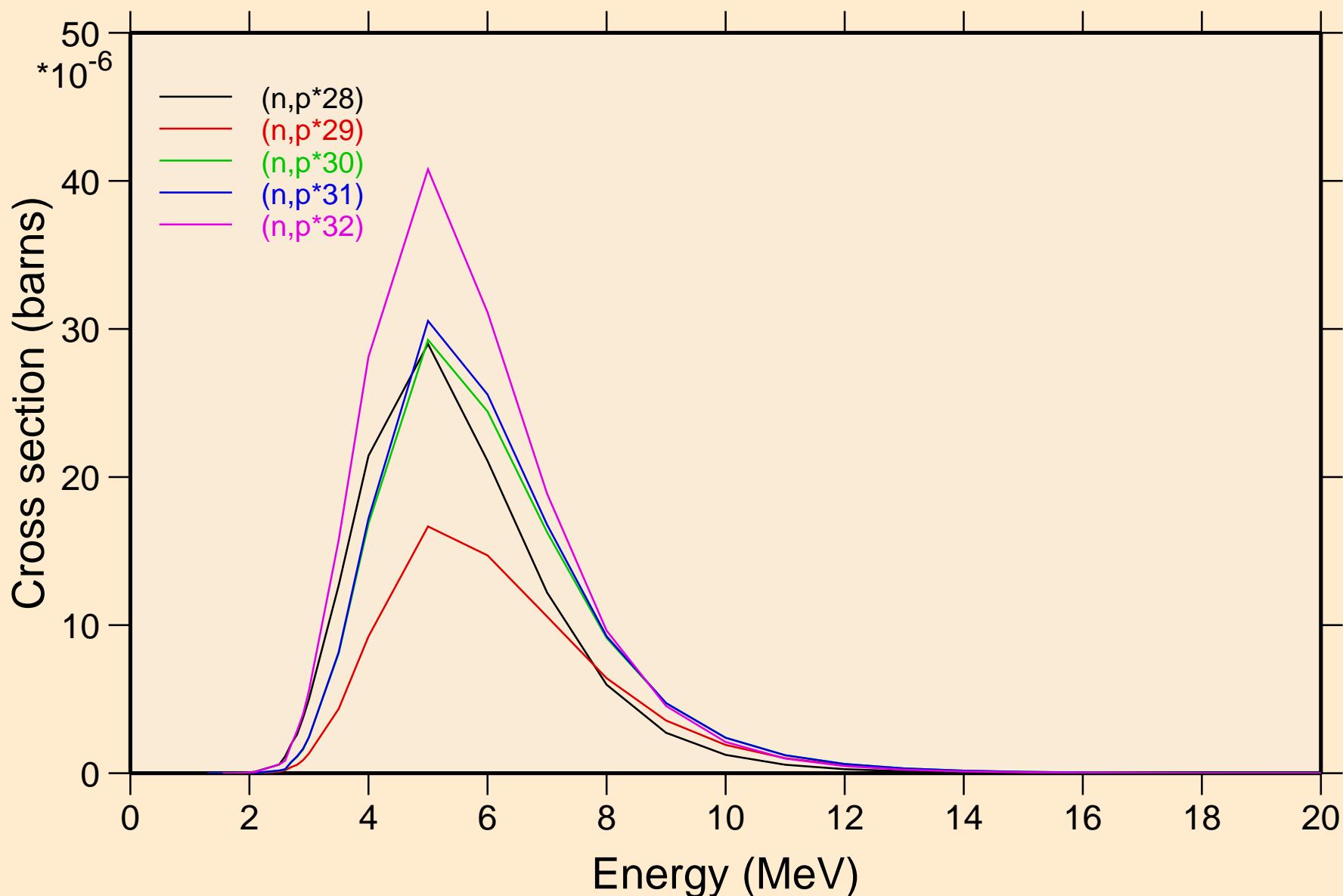
# ENDF/B-VII.1 SN-113

## Threshold reactions



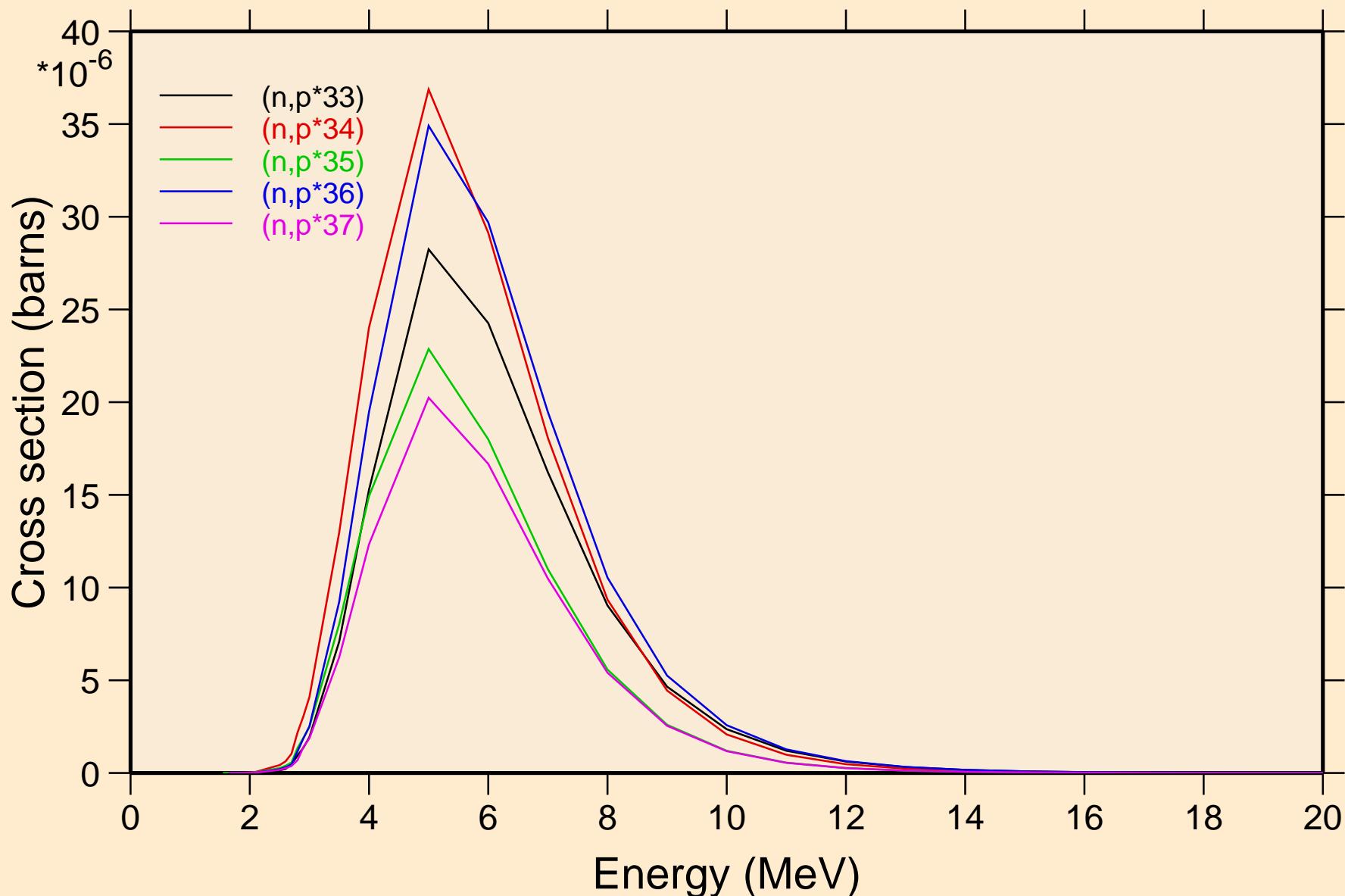
# ENDF/B-VII.1 SN-113

## Threshold reactions



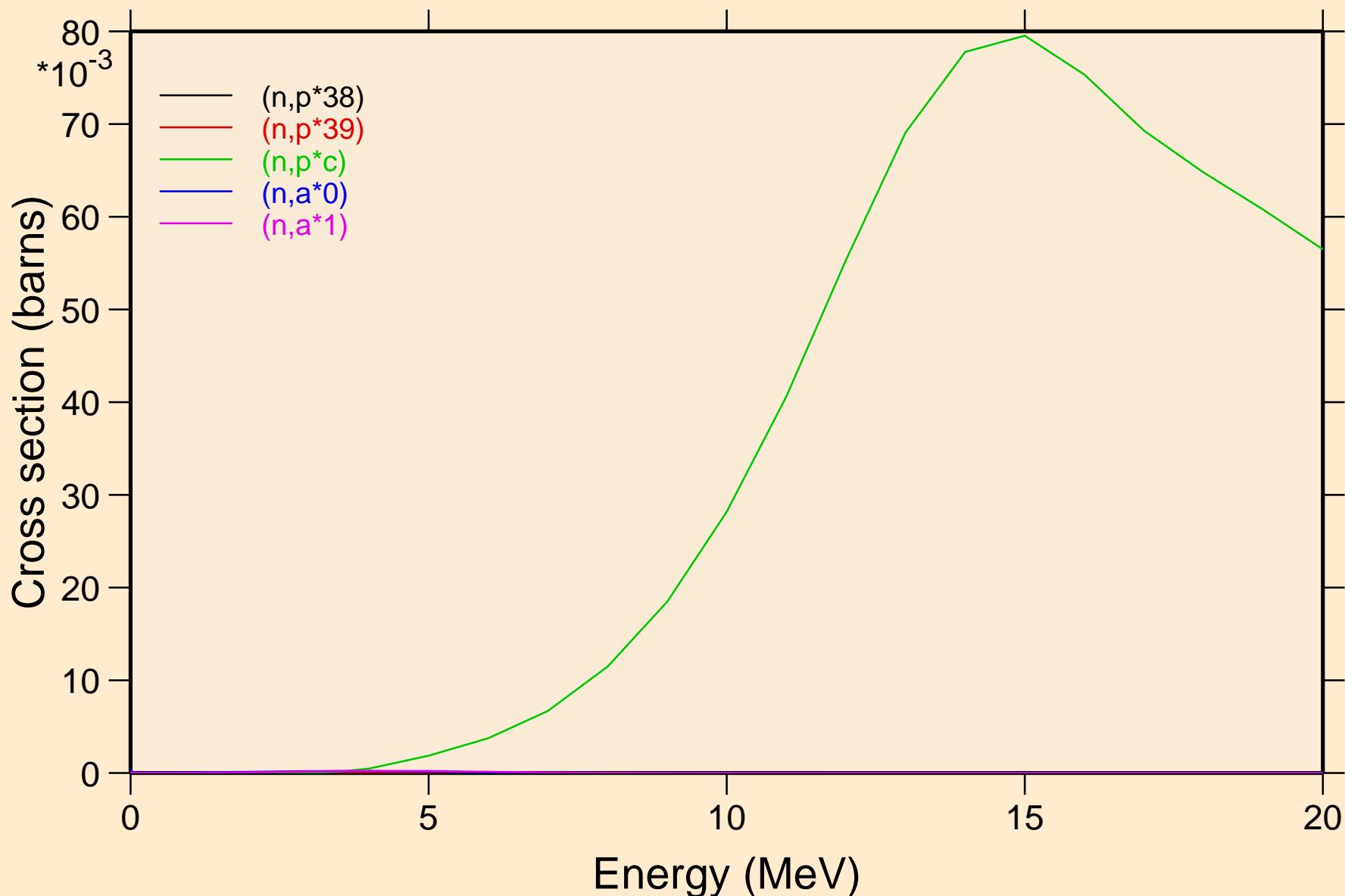
# ENDF/B-VII.1 SN-113

## Threshold reactions



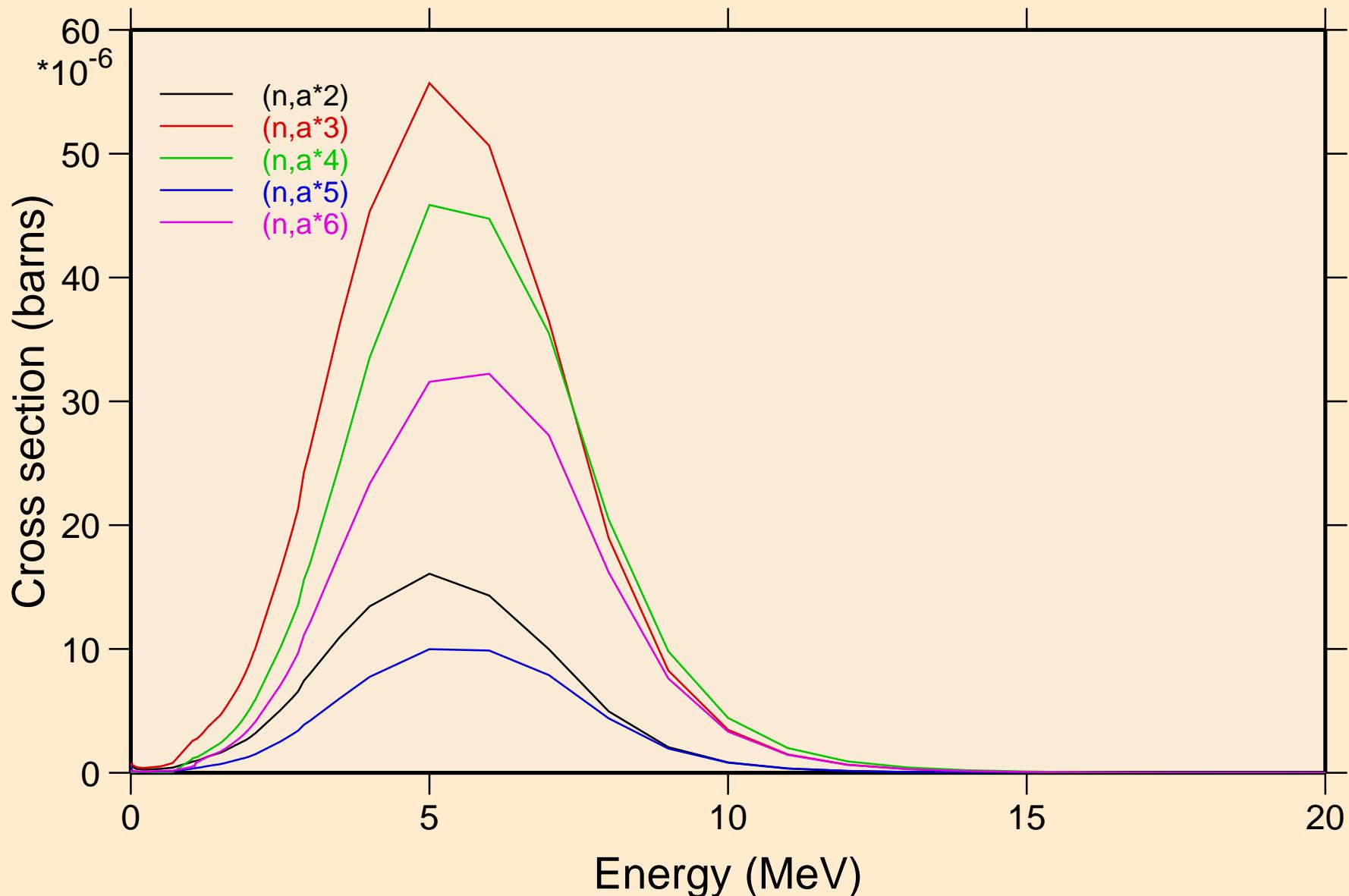
# ENDF/B-VII.1 SN-113

## Threshold reactions



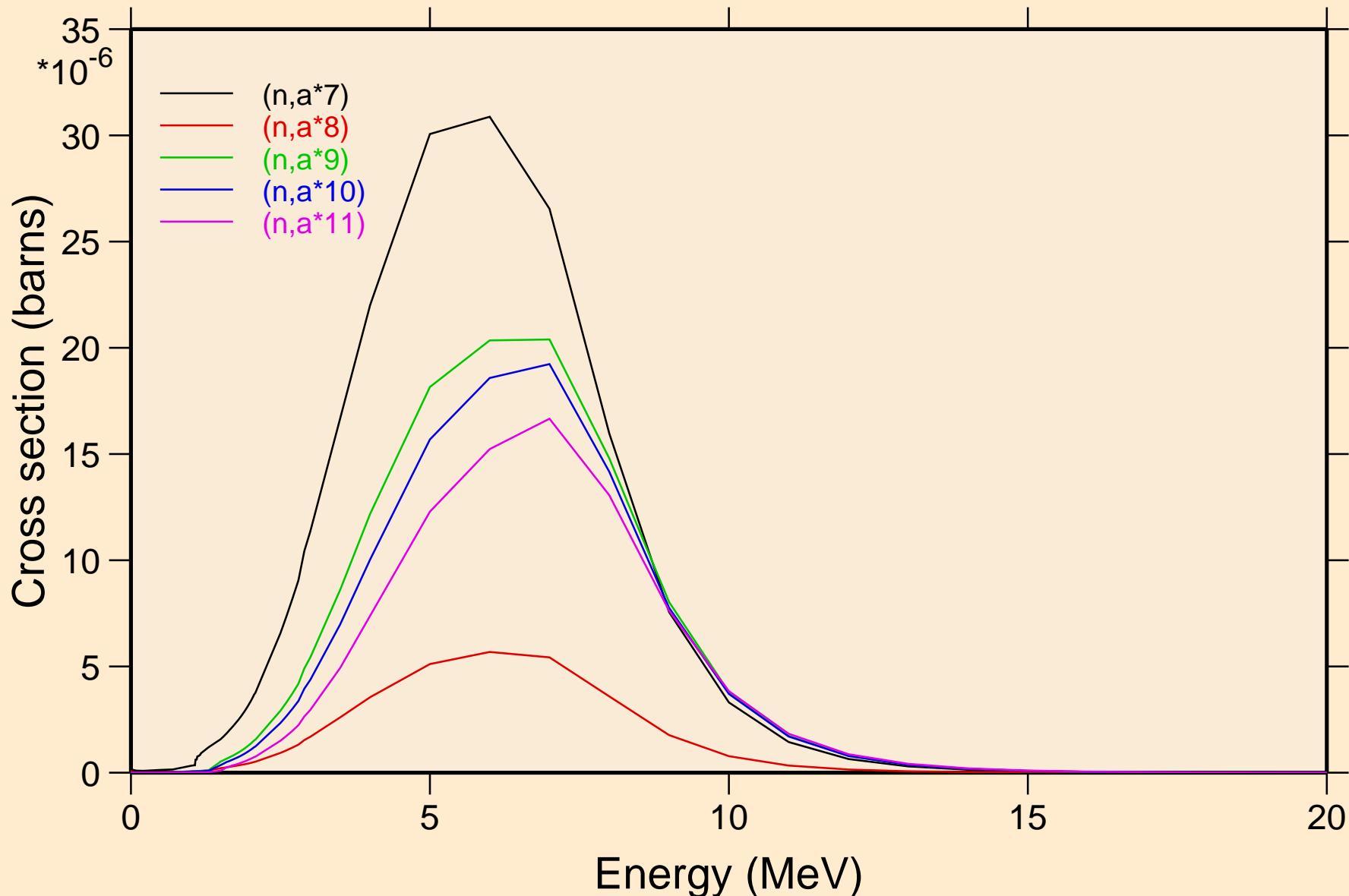
# ENDF/B-VII.1 SN-113

## Threshold reactions



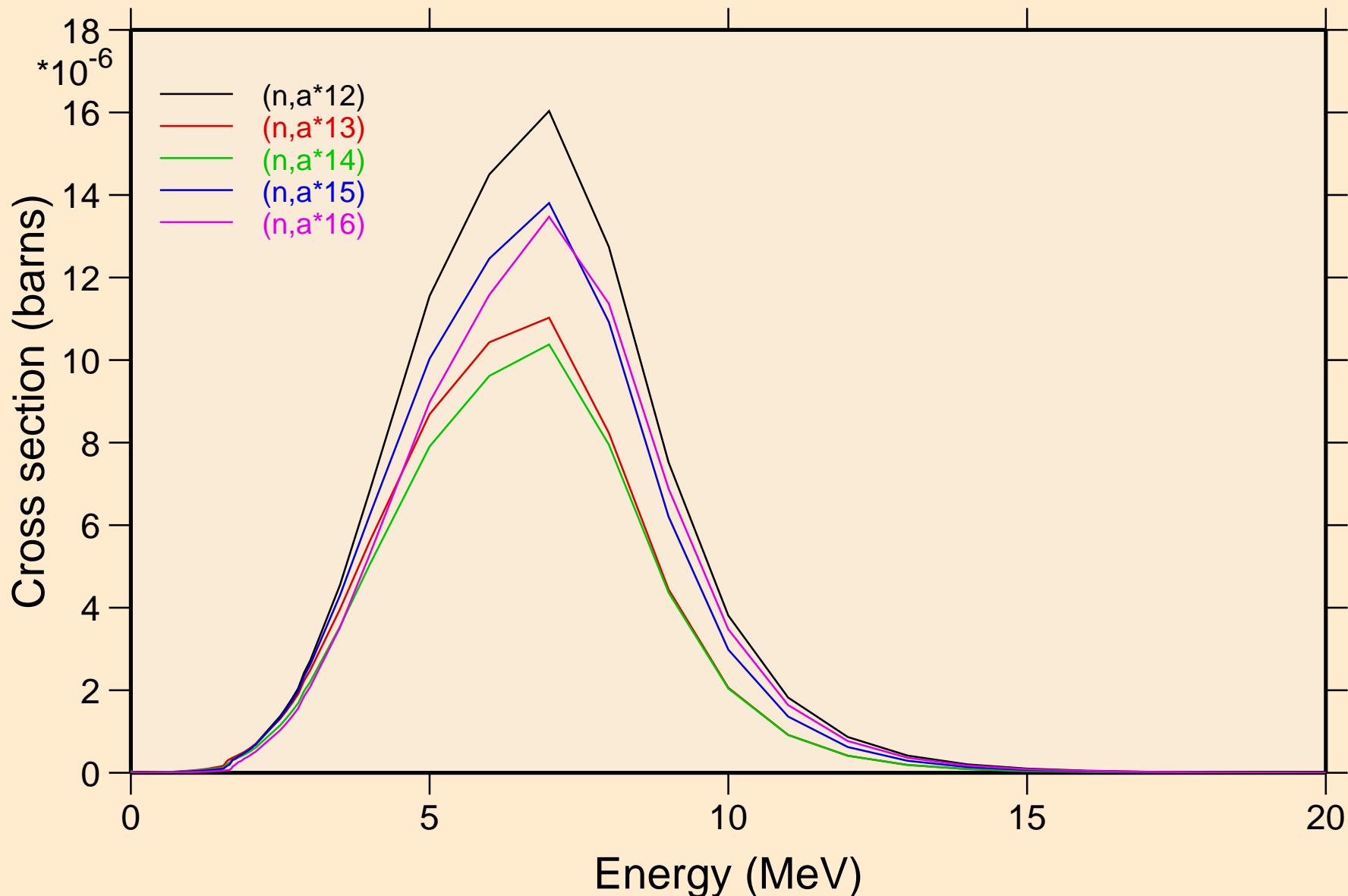
# ENDF/B-VII.1 SN-113

## Threshold reactions



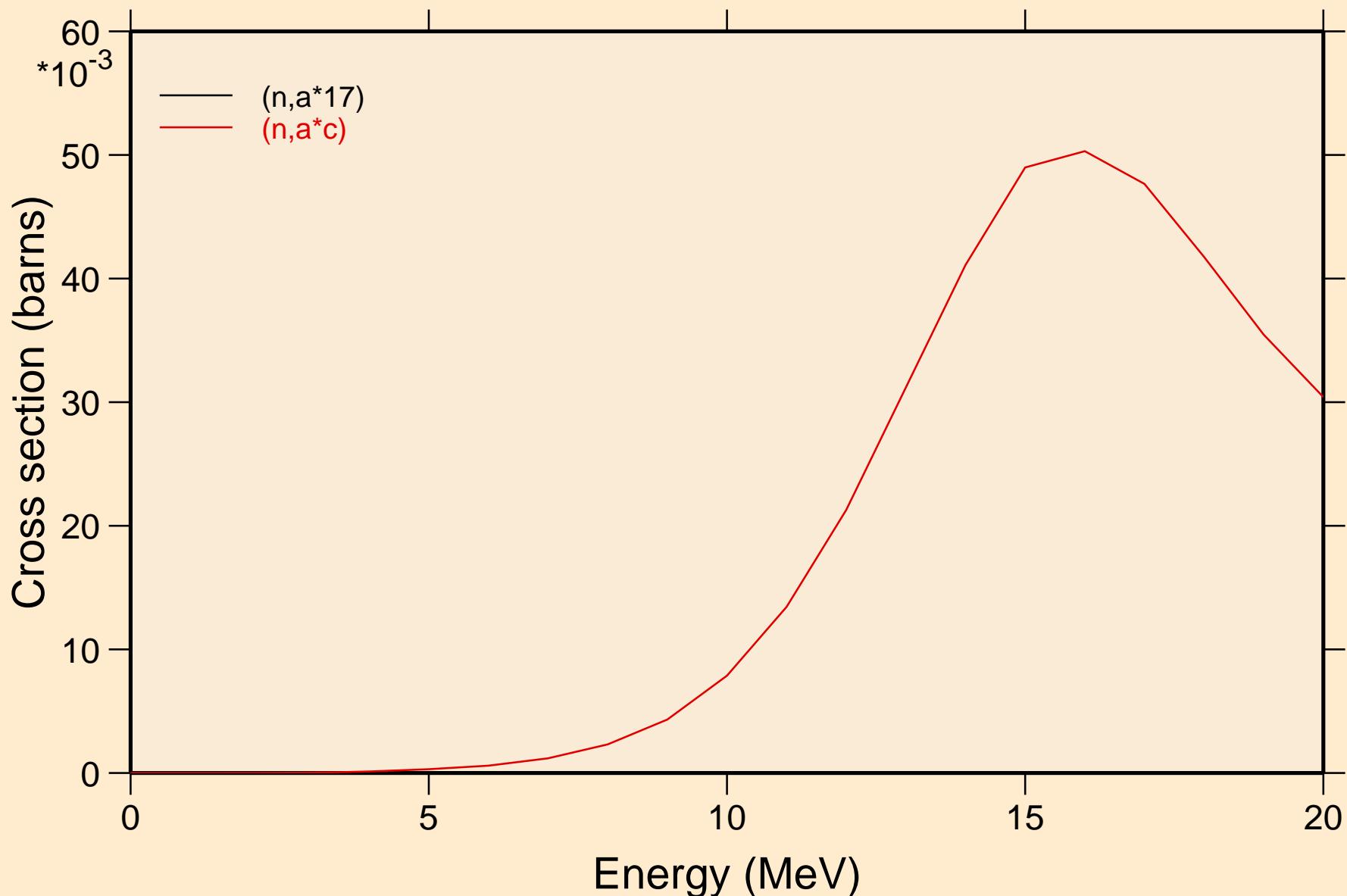
# ENDF/B-VII.1 SN-113

## Threshold reactions

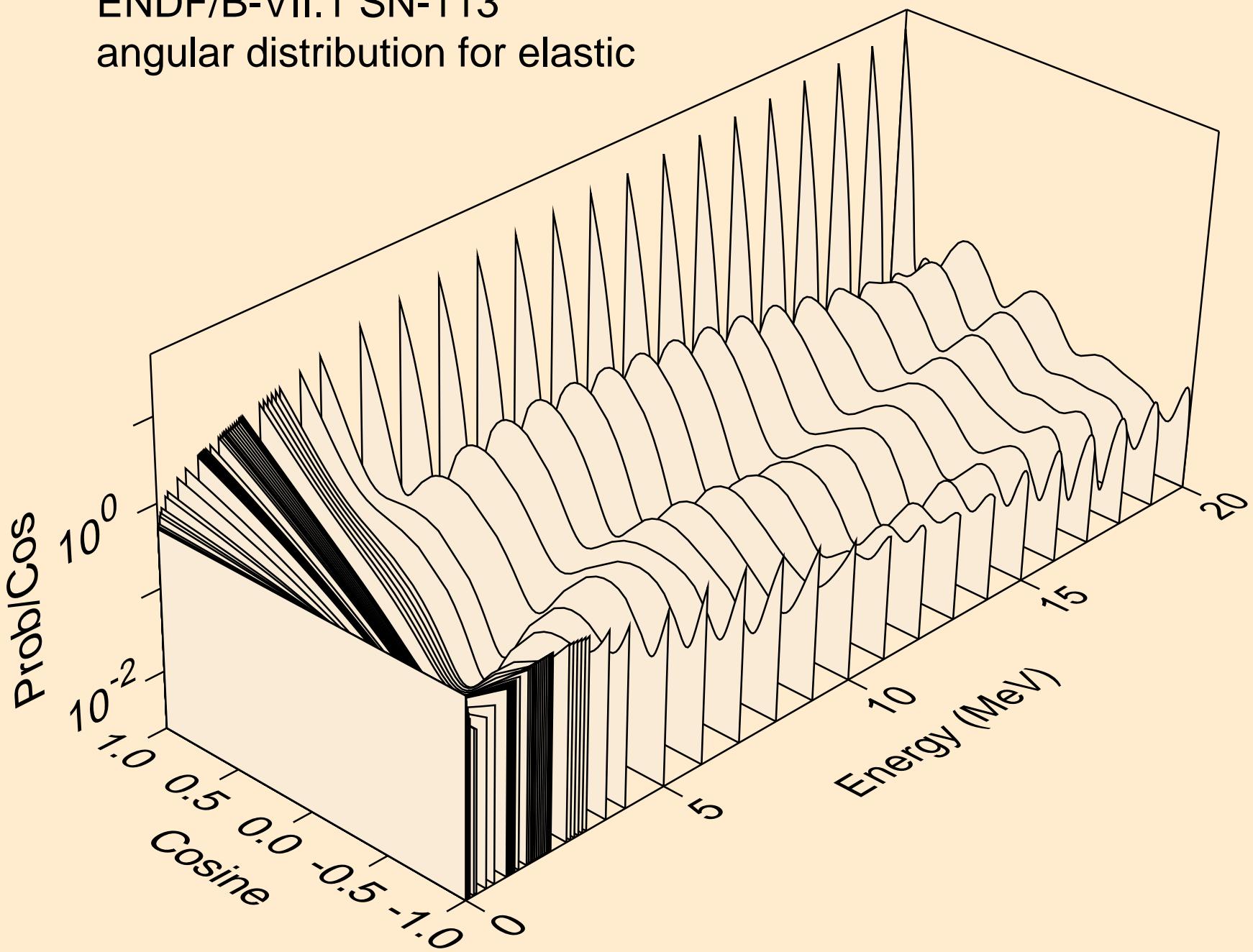


# ENDF/B-VII.1 SN-113

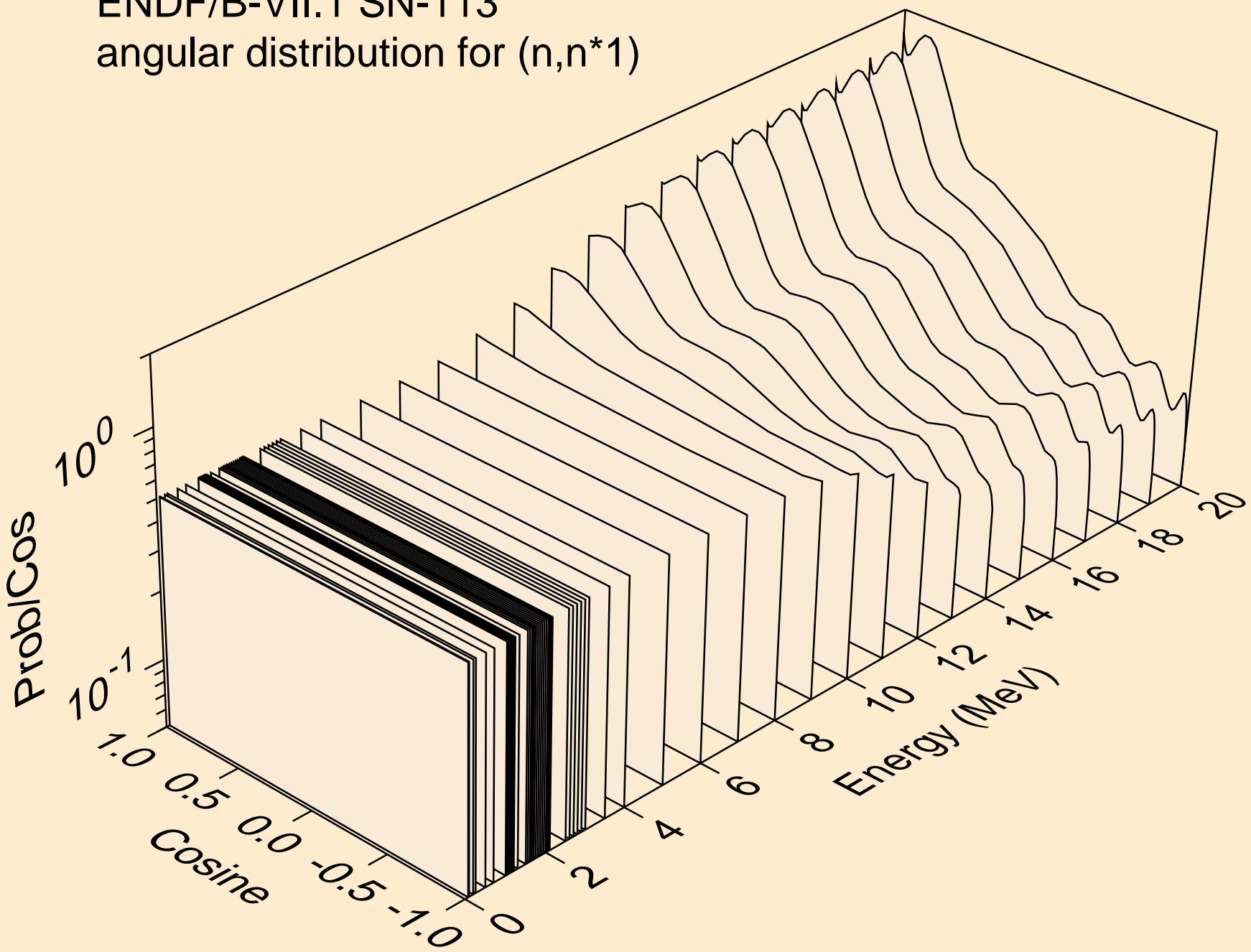
## Threshold reactions



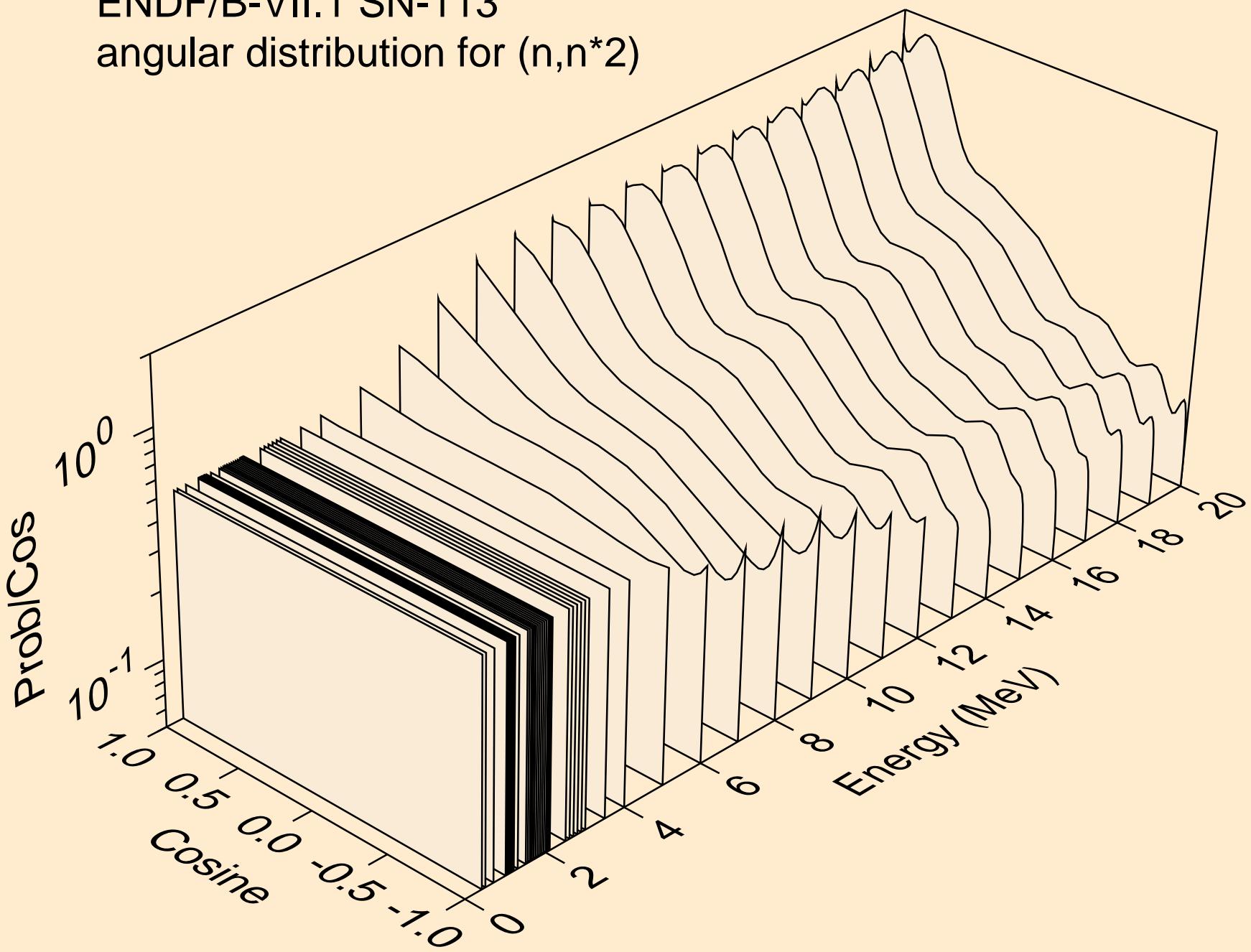
ENDF/B-VII.1 SN-113  
angular distribution for elastic



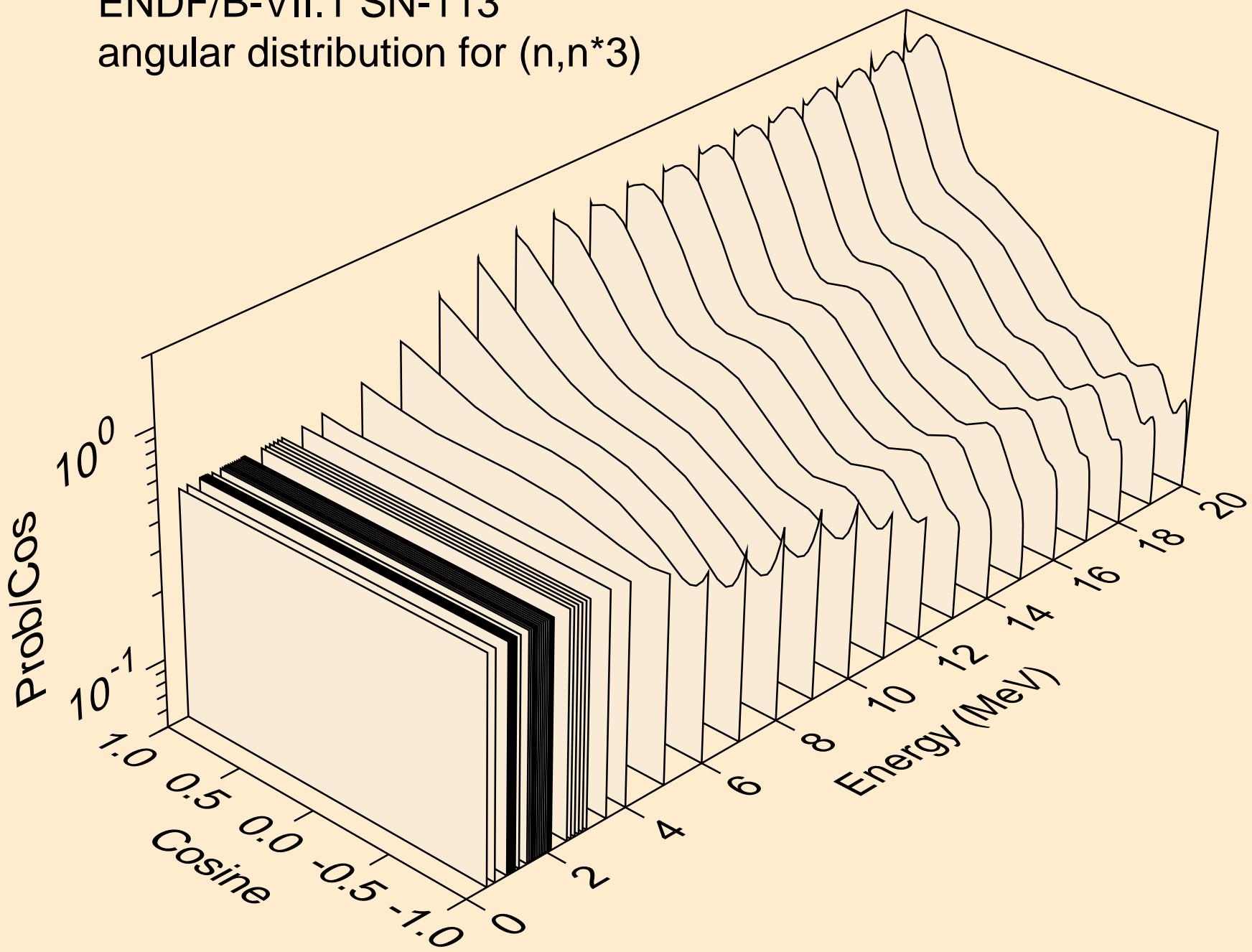
ENDF/B-VII.1 SN-113  
angular distribution for (n,n\*1)



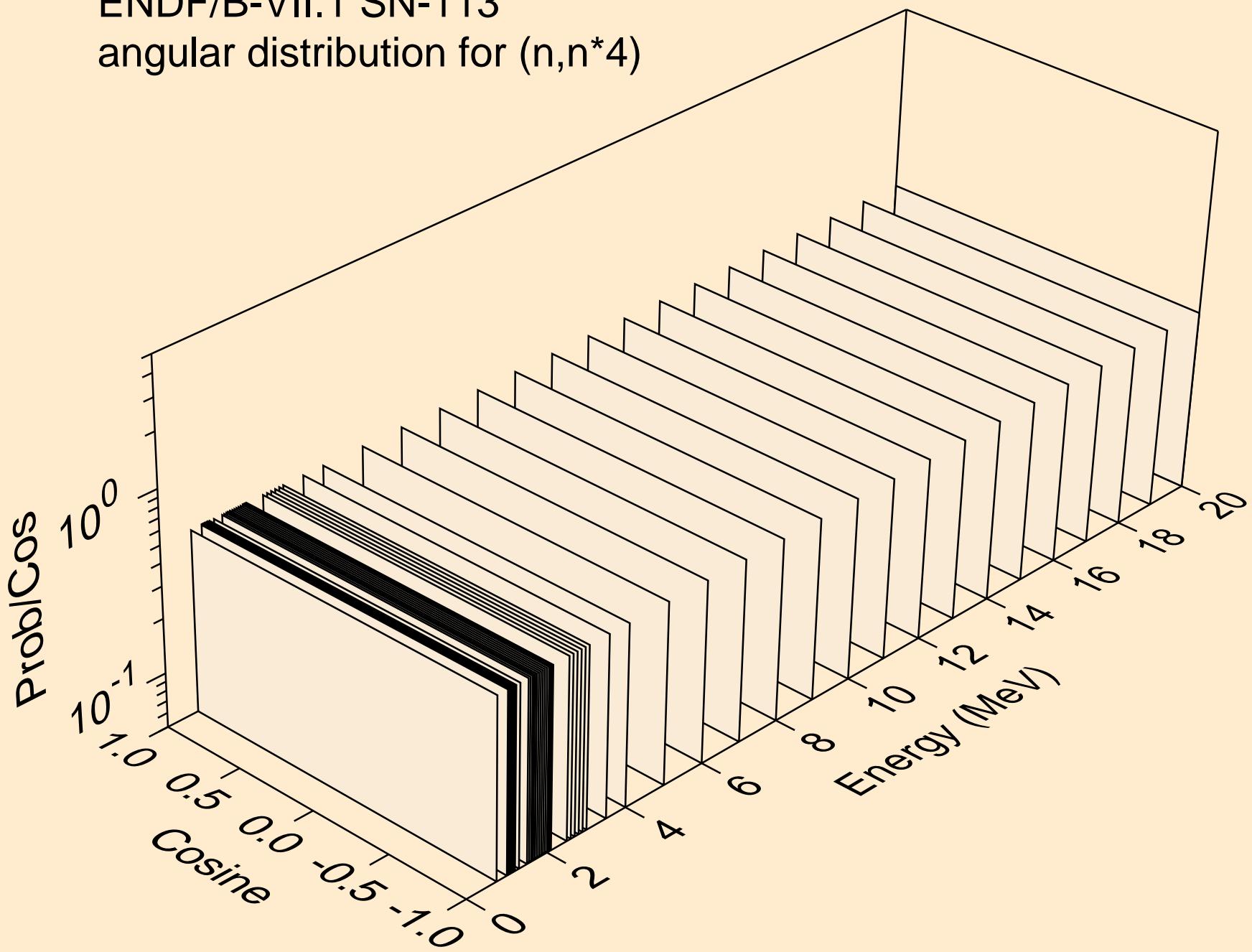
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angular distribution for  $(n, n^*2)$



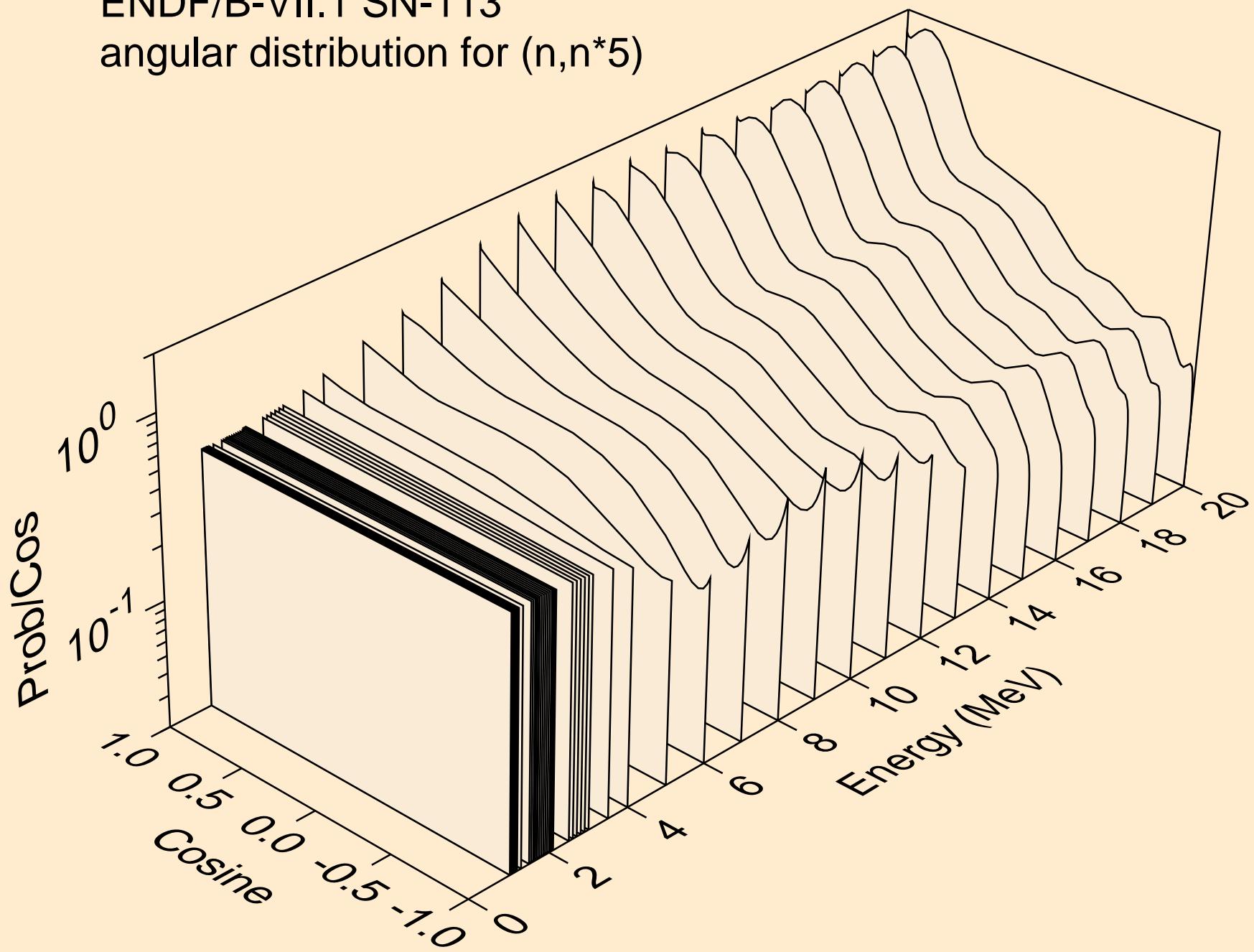
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,n^*3)$



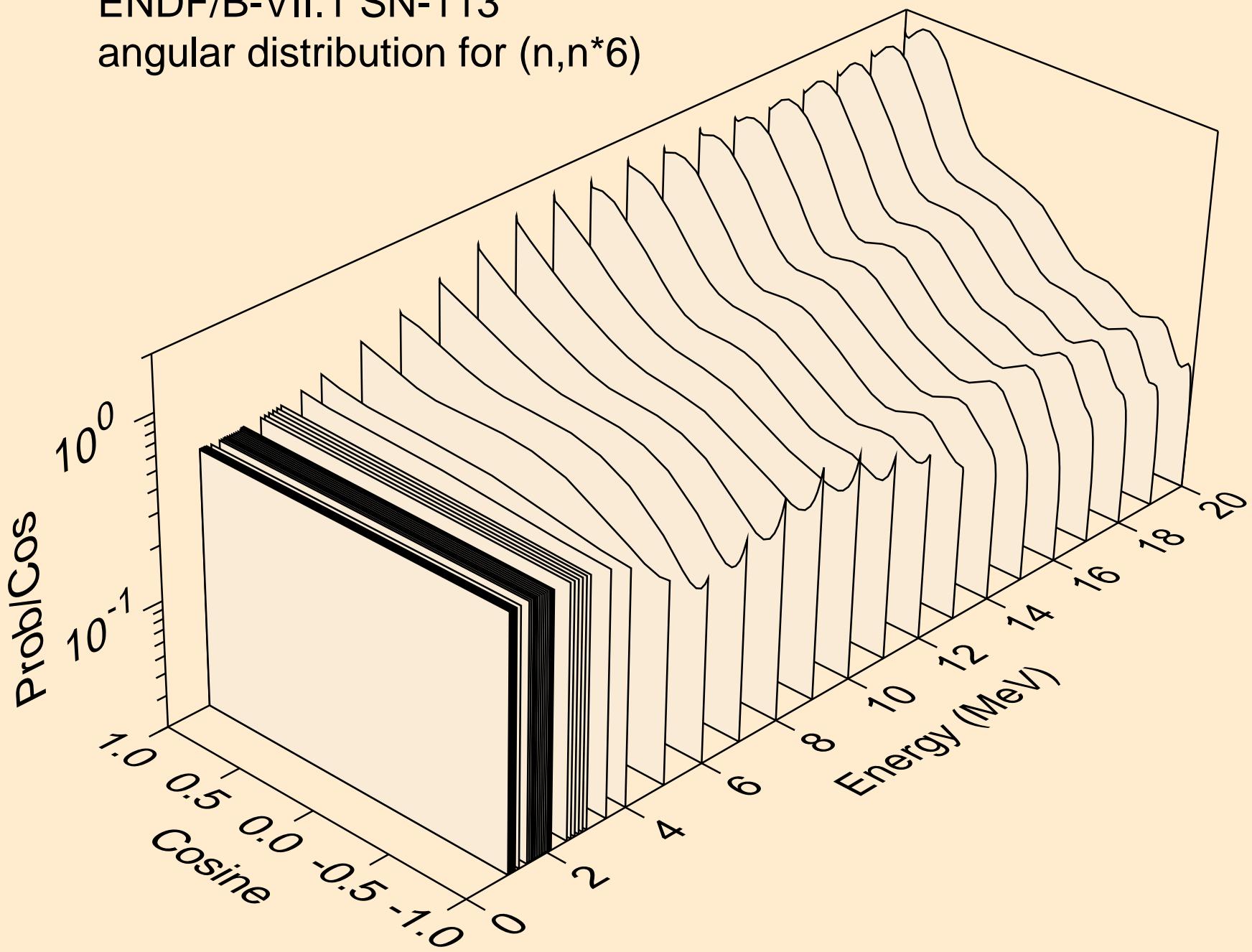
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angular distribution for  $(n,n^*4)$



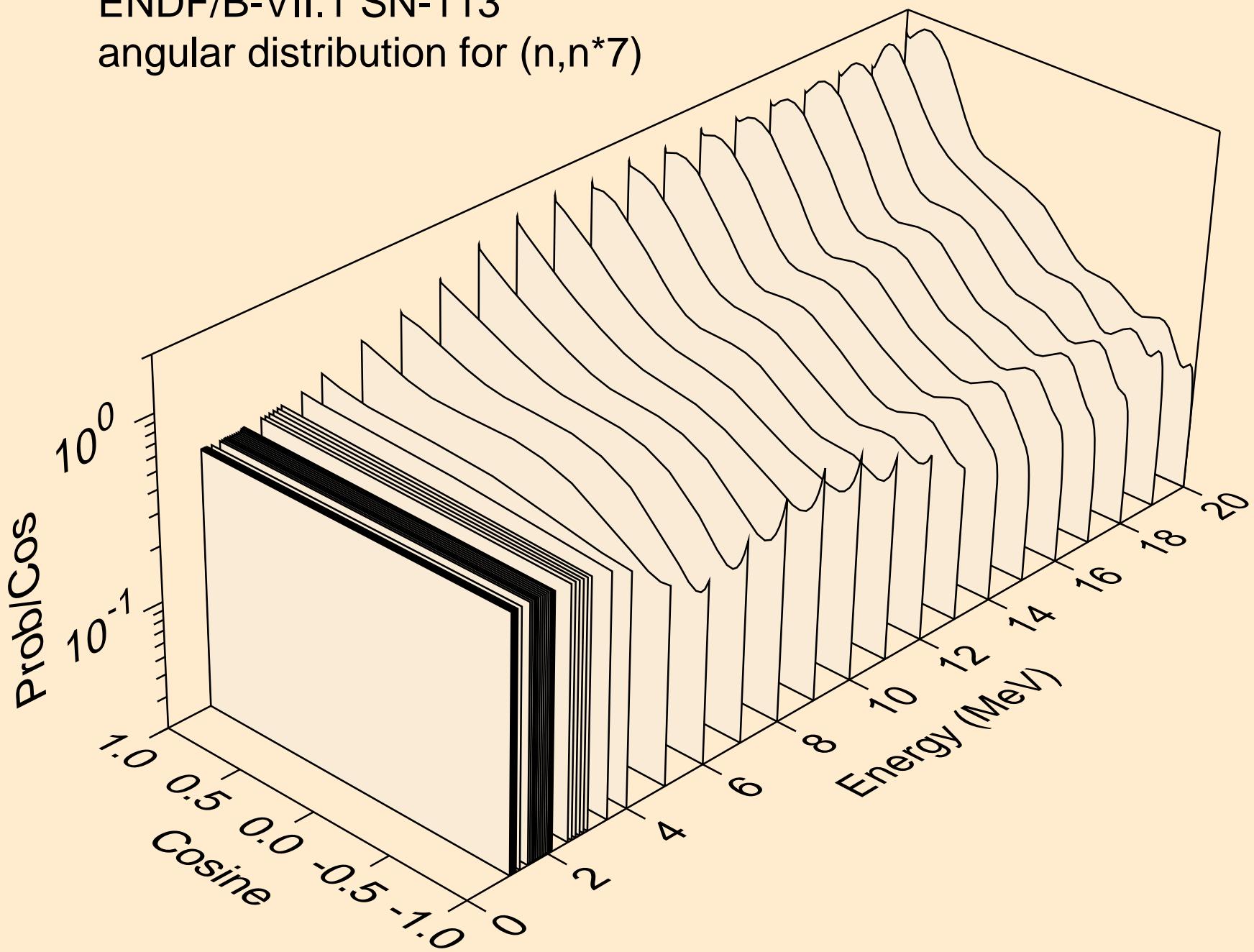
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angular distribution for  $(n,n^*)5$



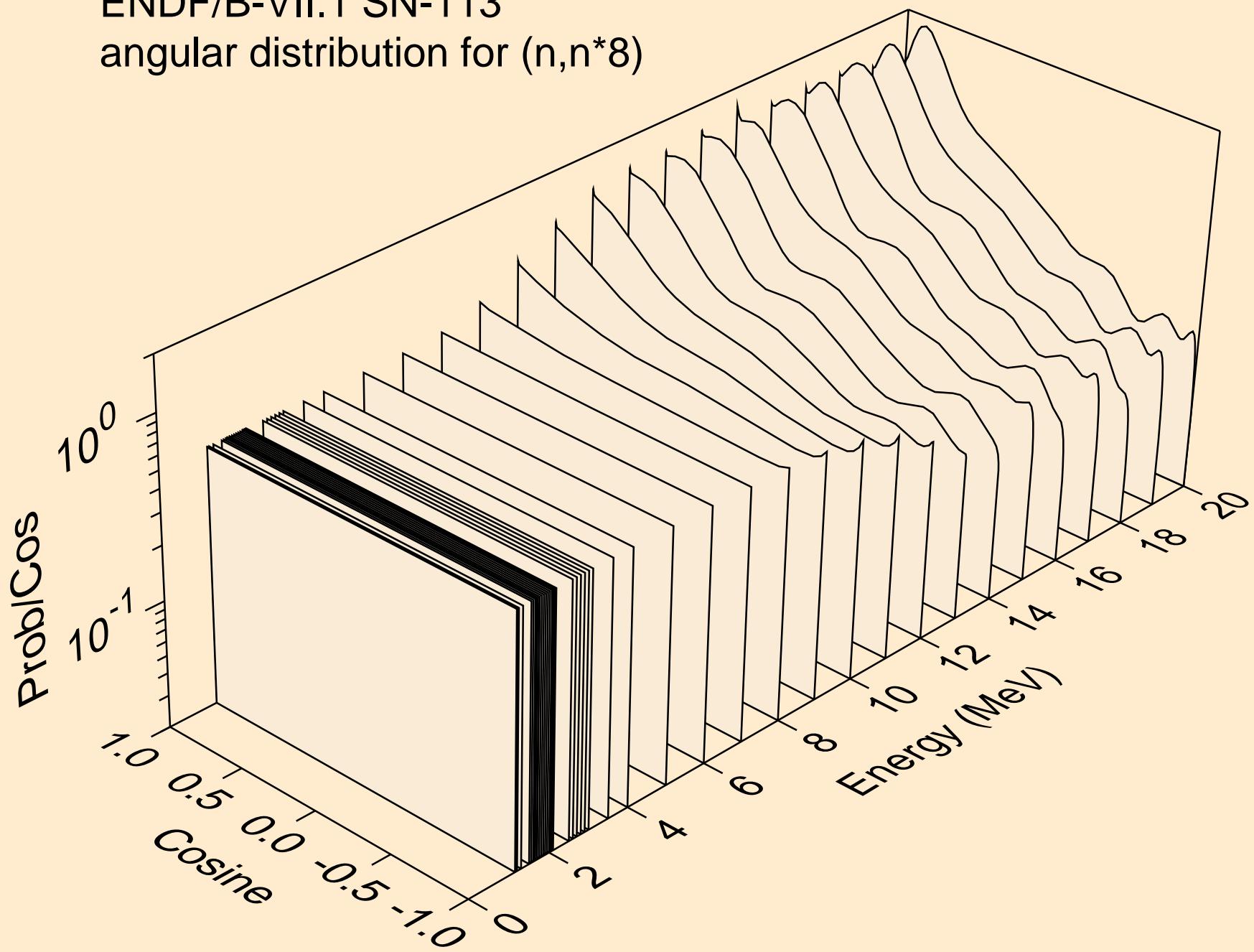
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angular distribution for  $(n,n^*6)$



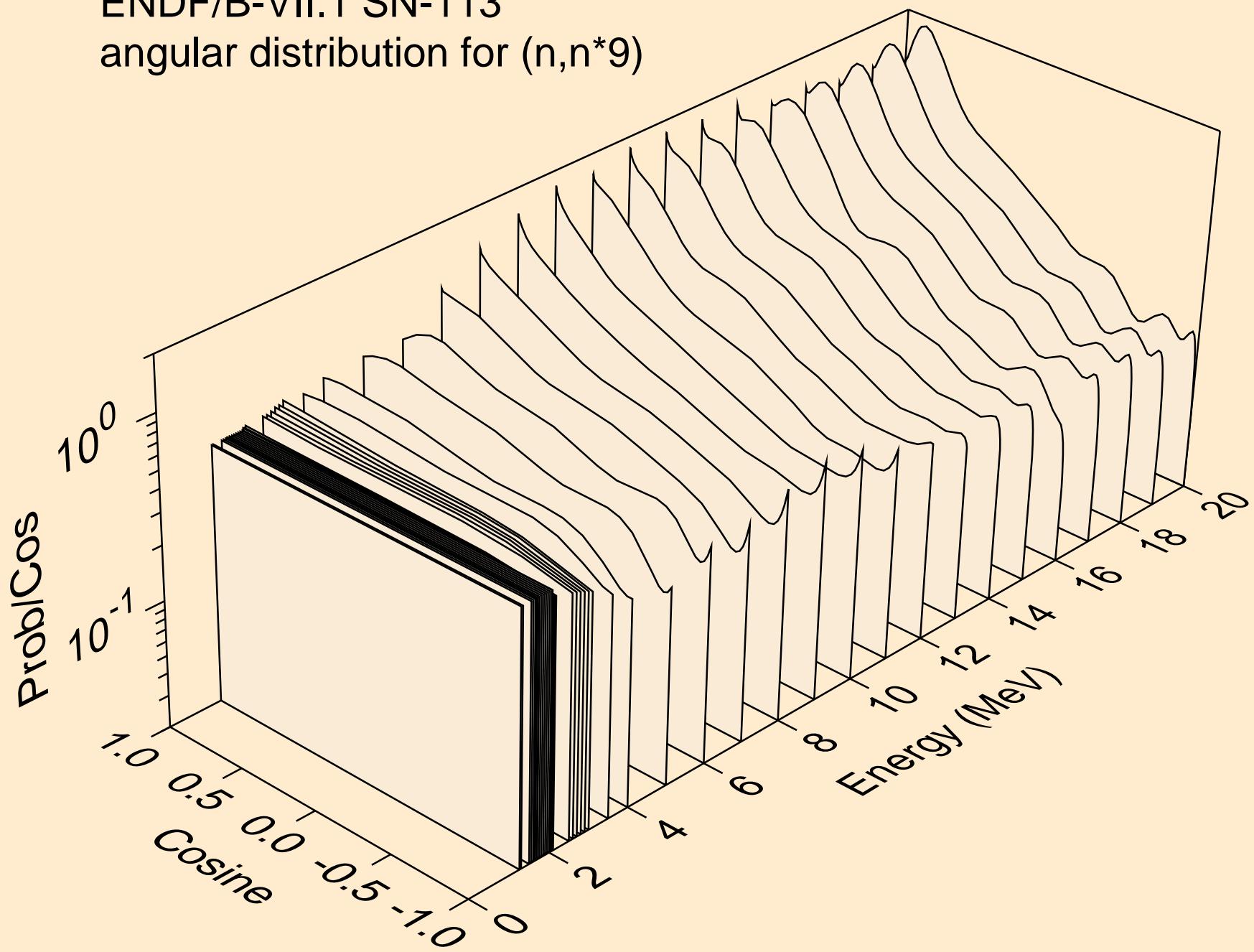
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angular distribution for (n,n\*7)



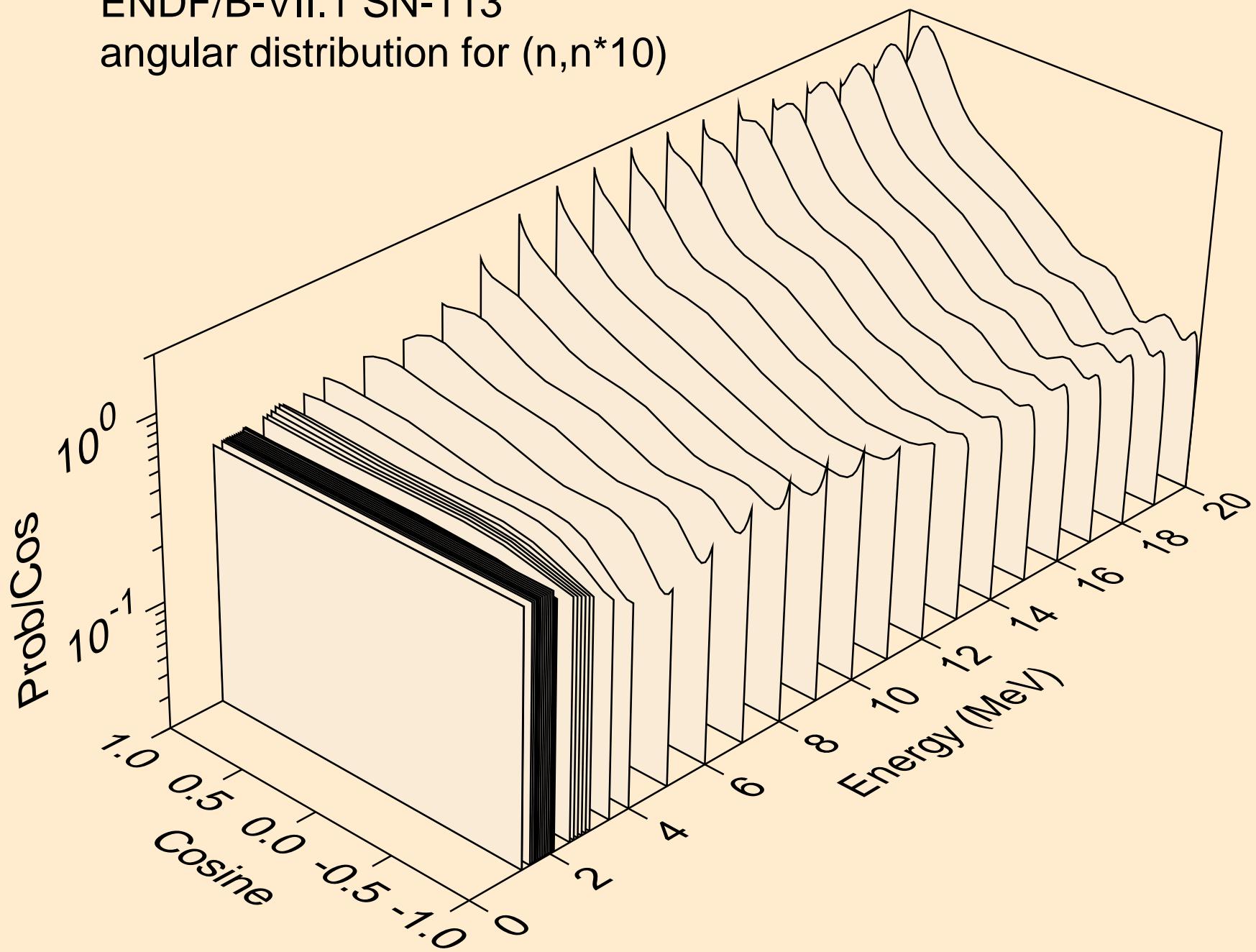
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angular distribution for  $(n,n^*8)$



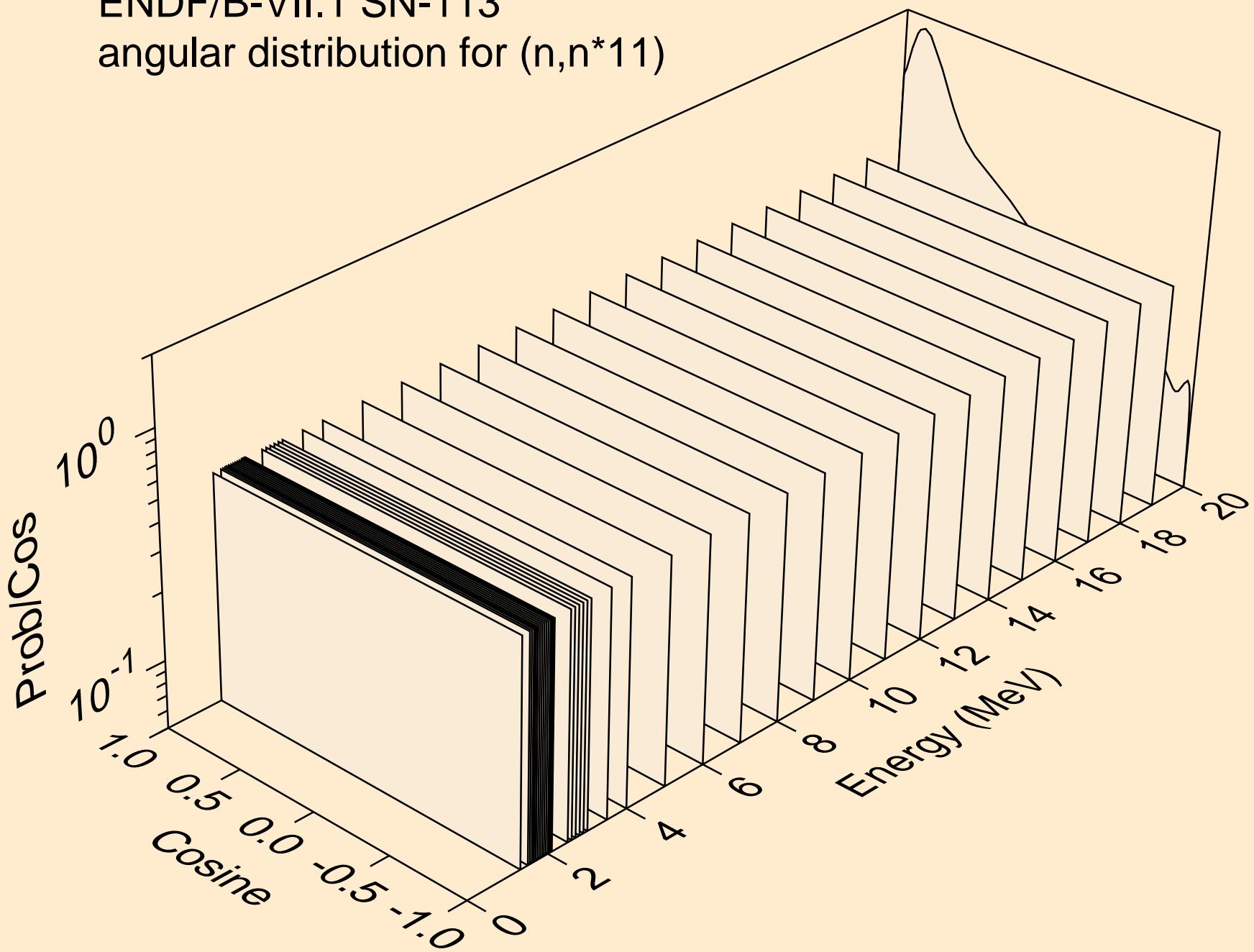
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angular distribution for  $(n,n^*9)$



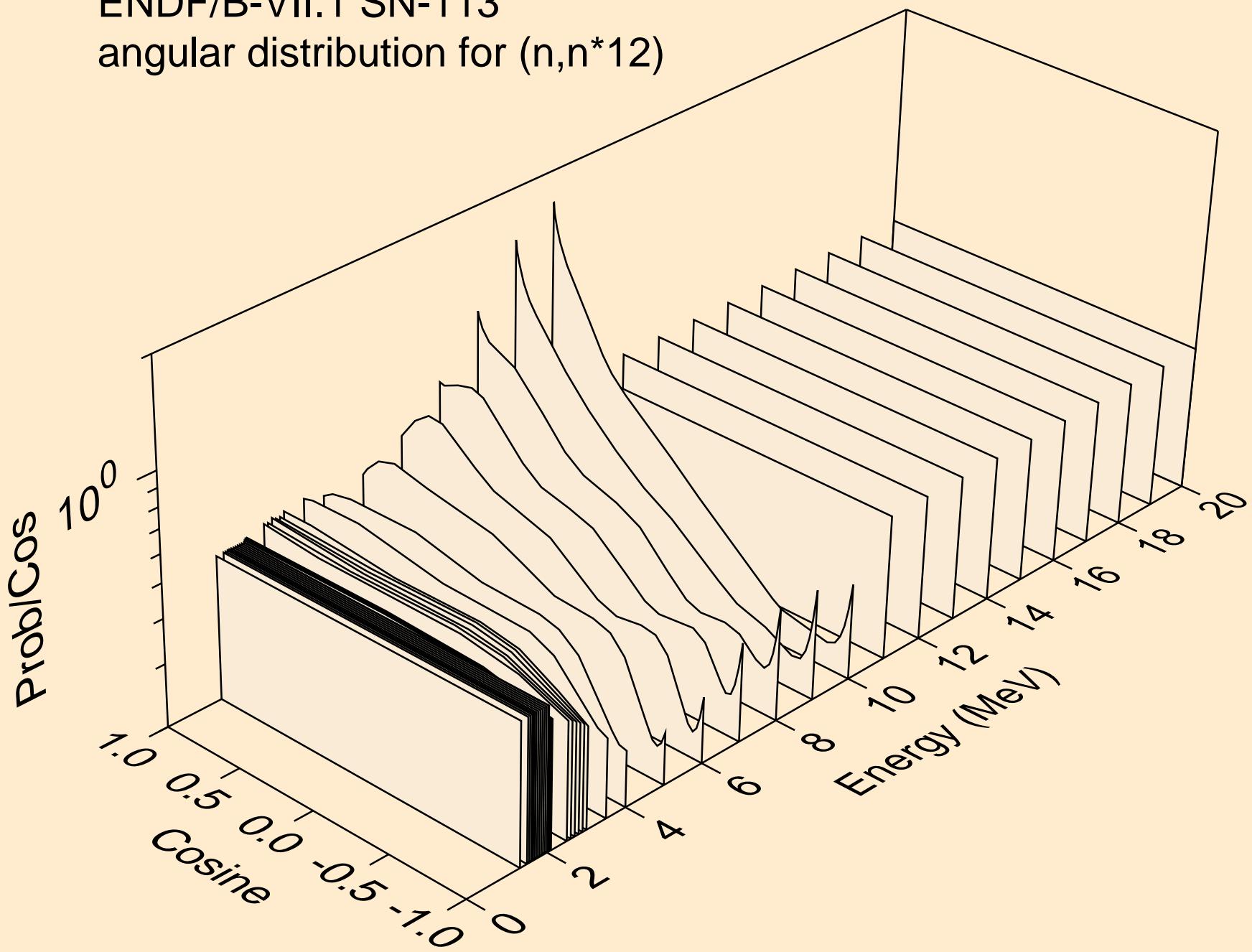
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angular distribution for (n,n\*10)



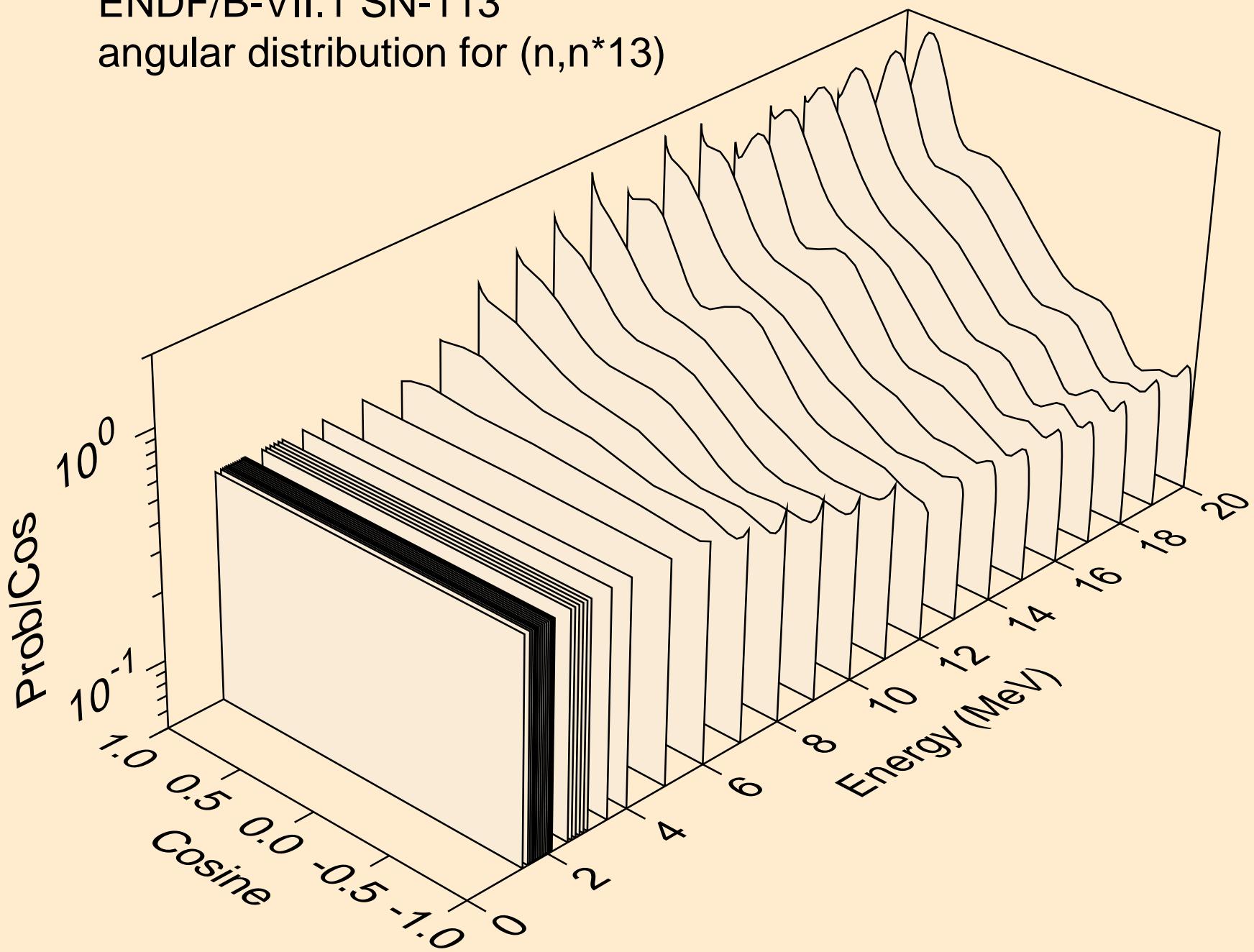
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angular distribution for (n,n\*11)



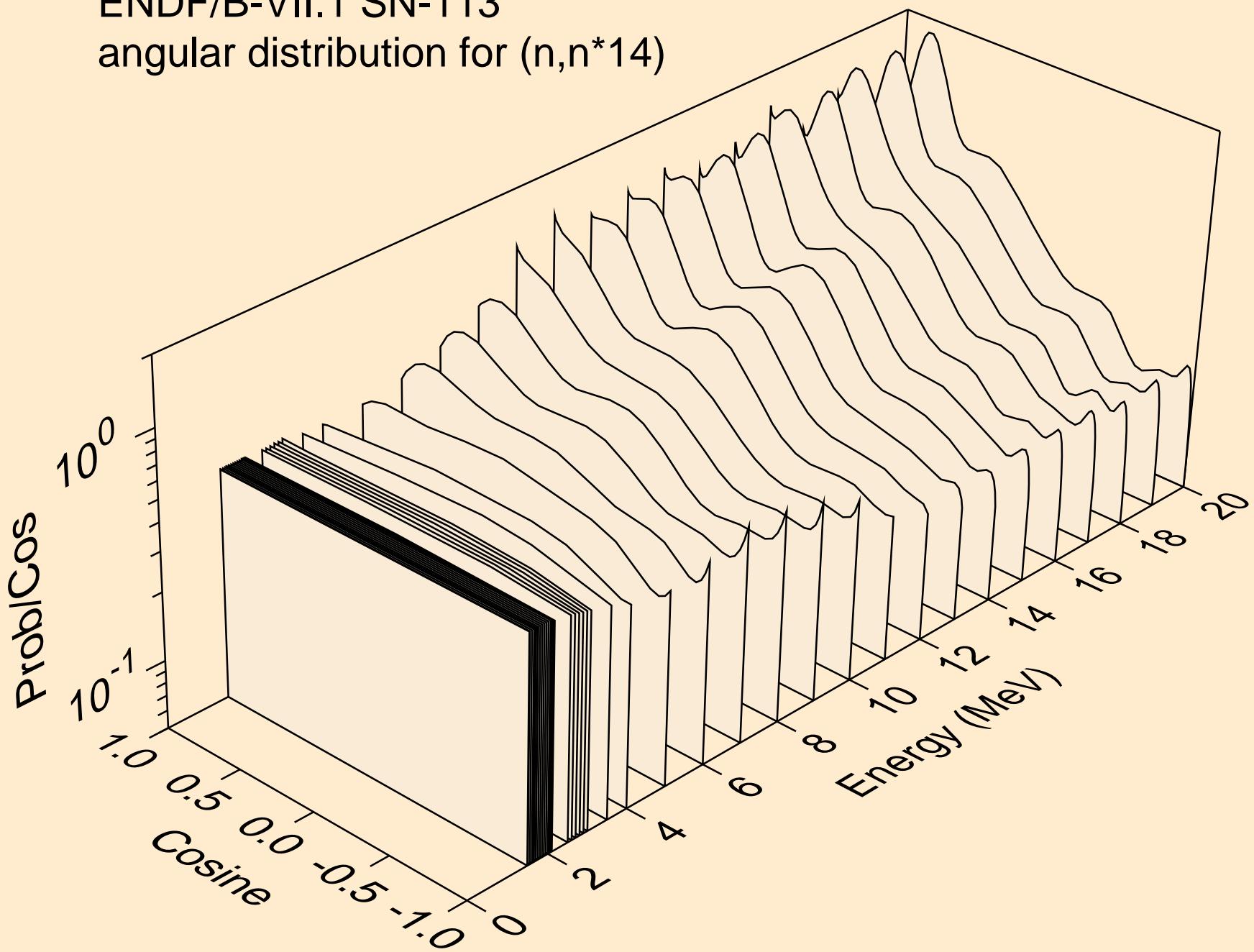
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angular distribution for (n,n\*12)



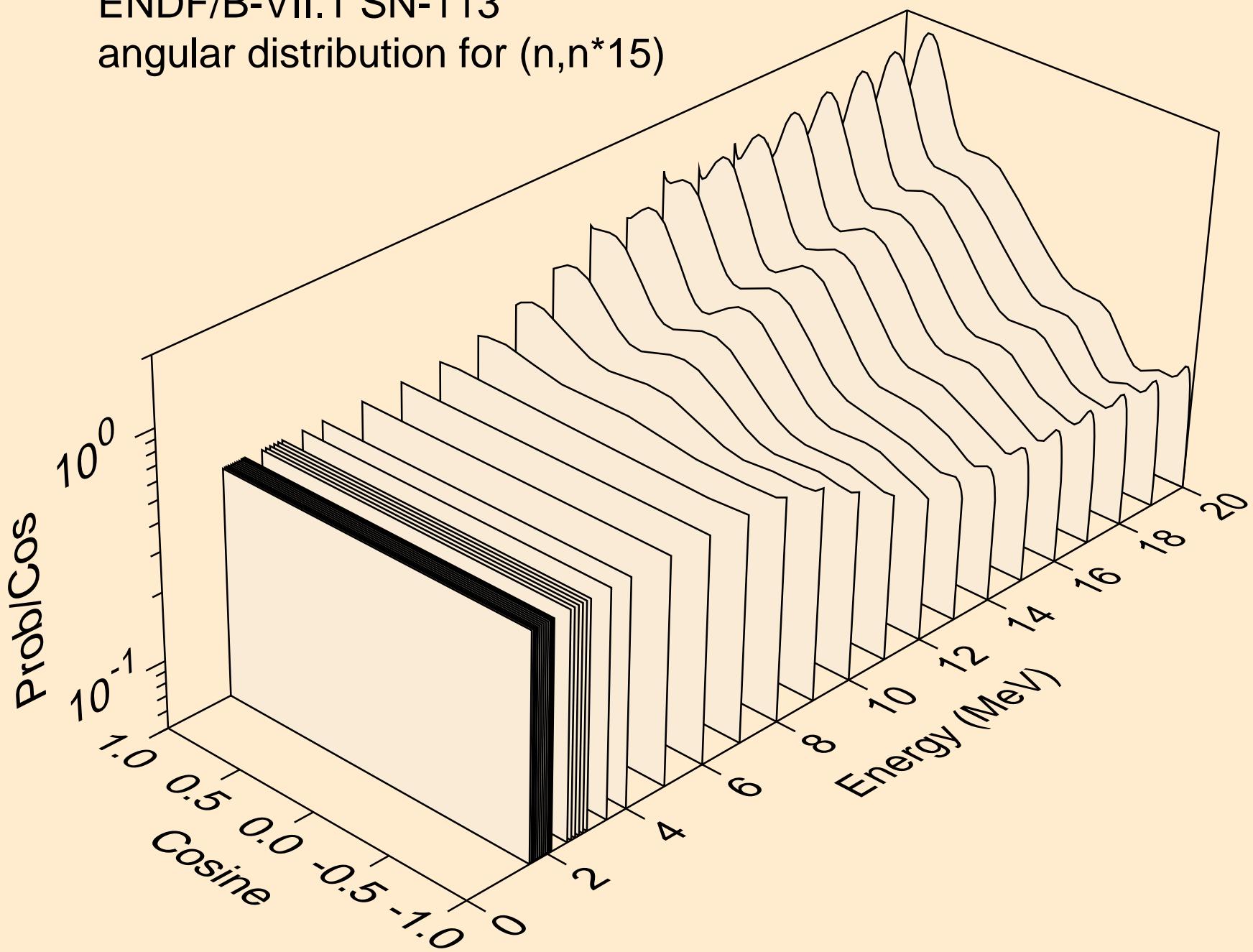
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angular distribution for (n,n\*13)



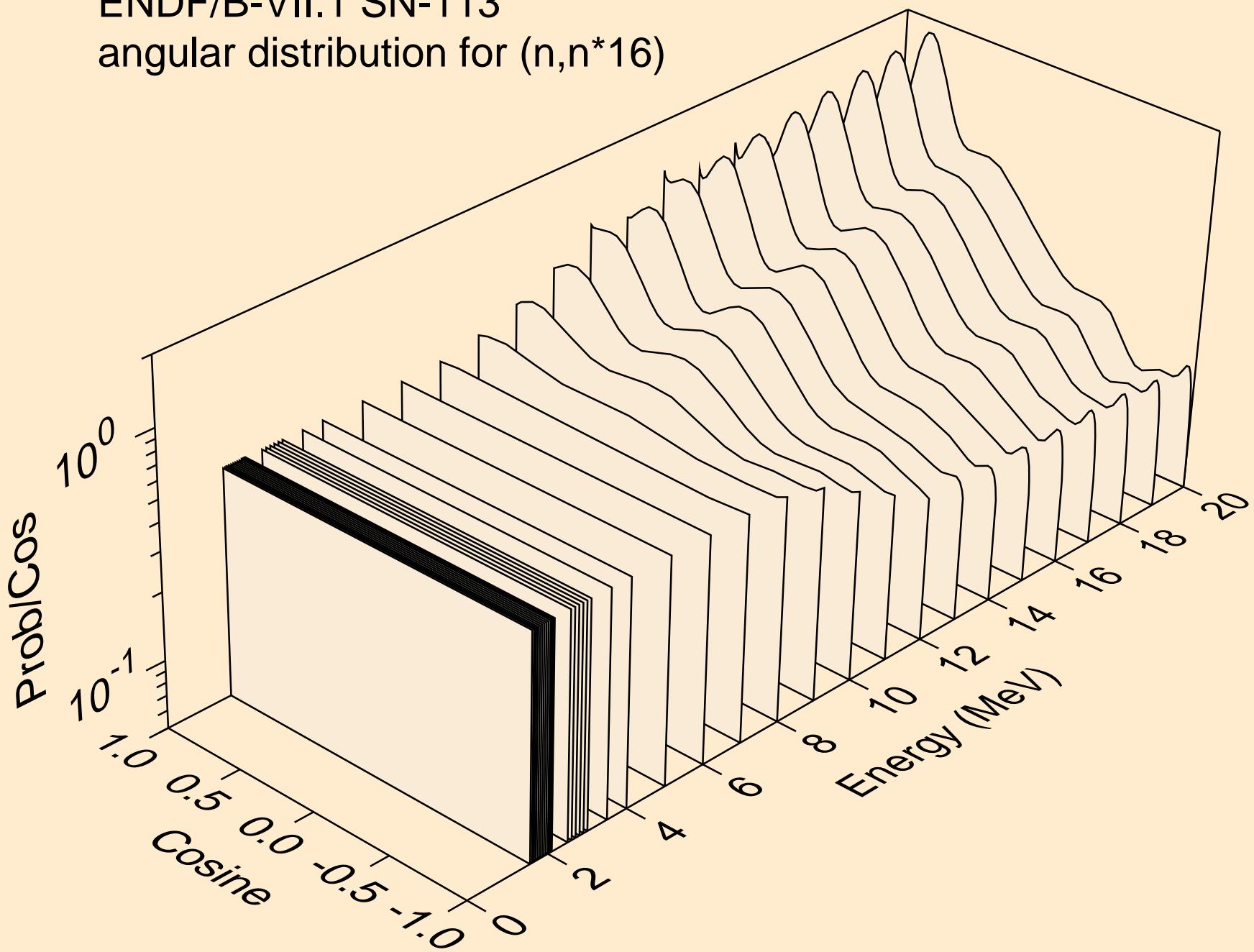
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angular distribution for (n,n\*14)



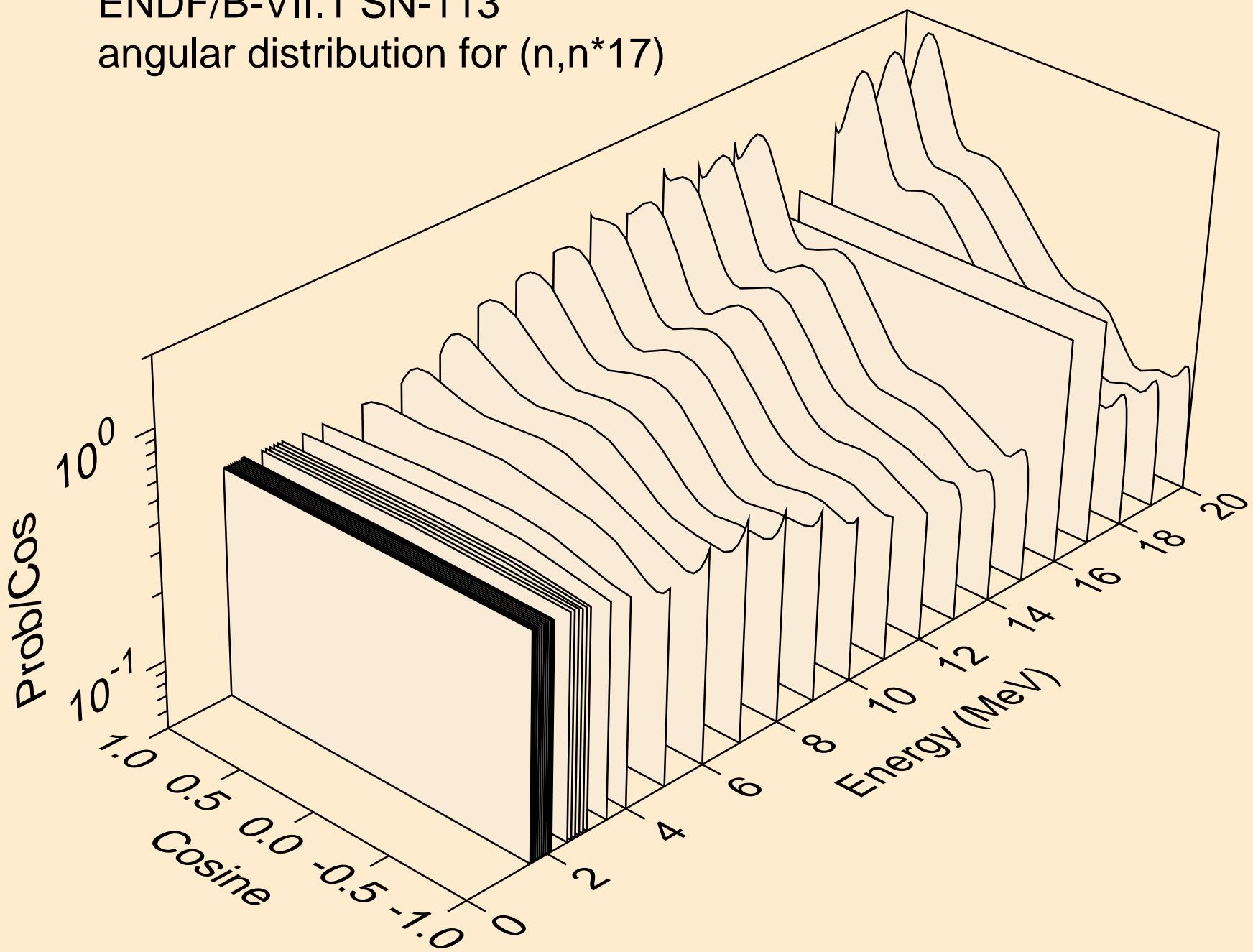
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,n^*15)$



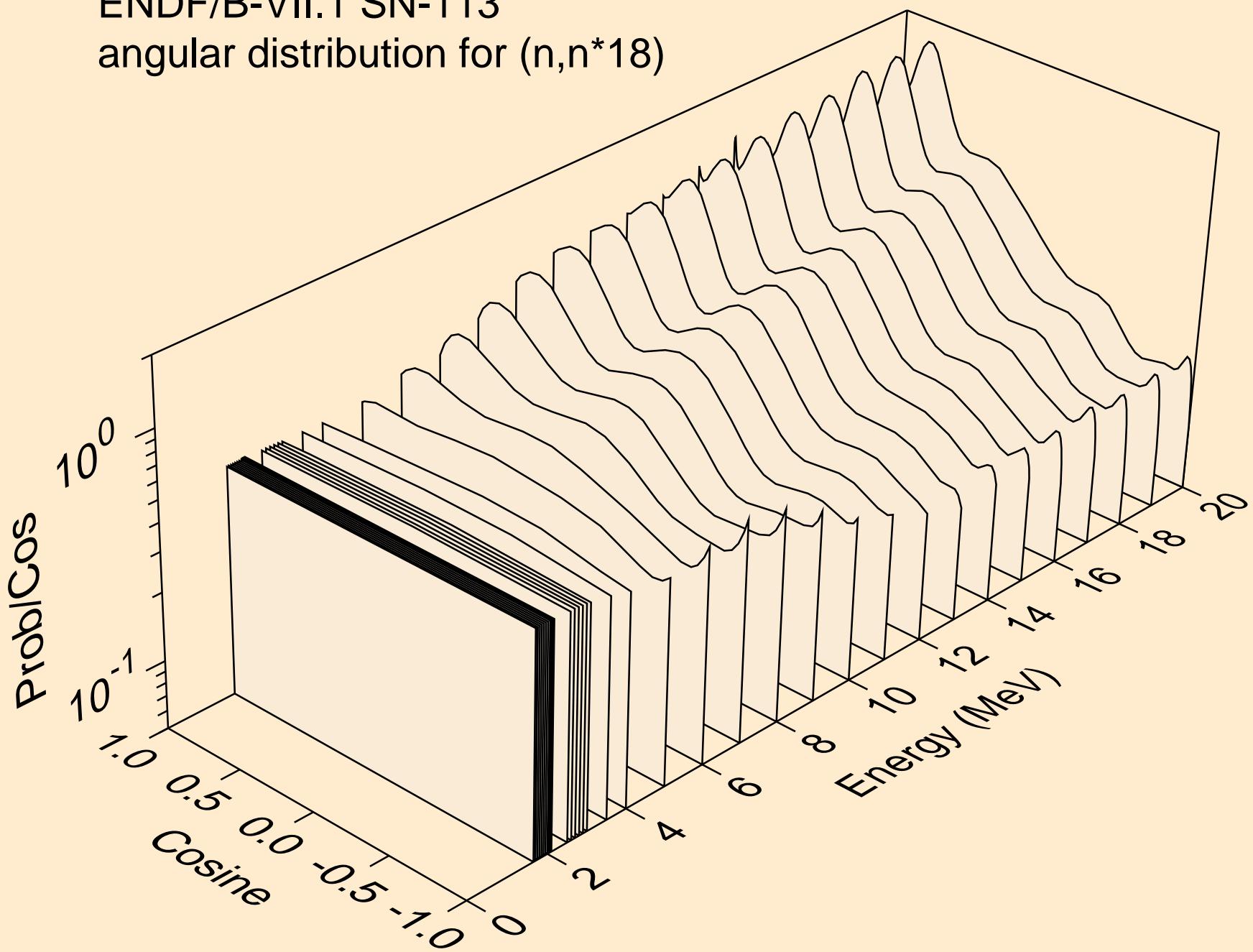
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angular distribution for (n,n\*16)



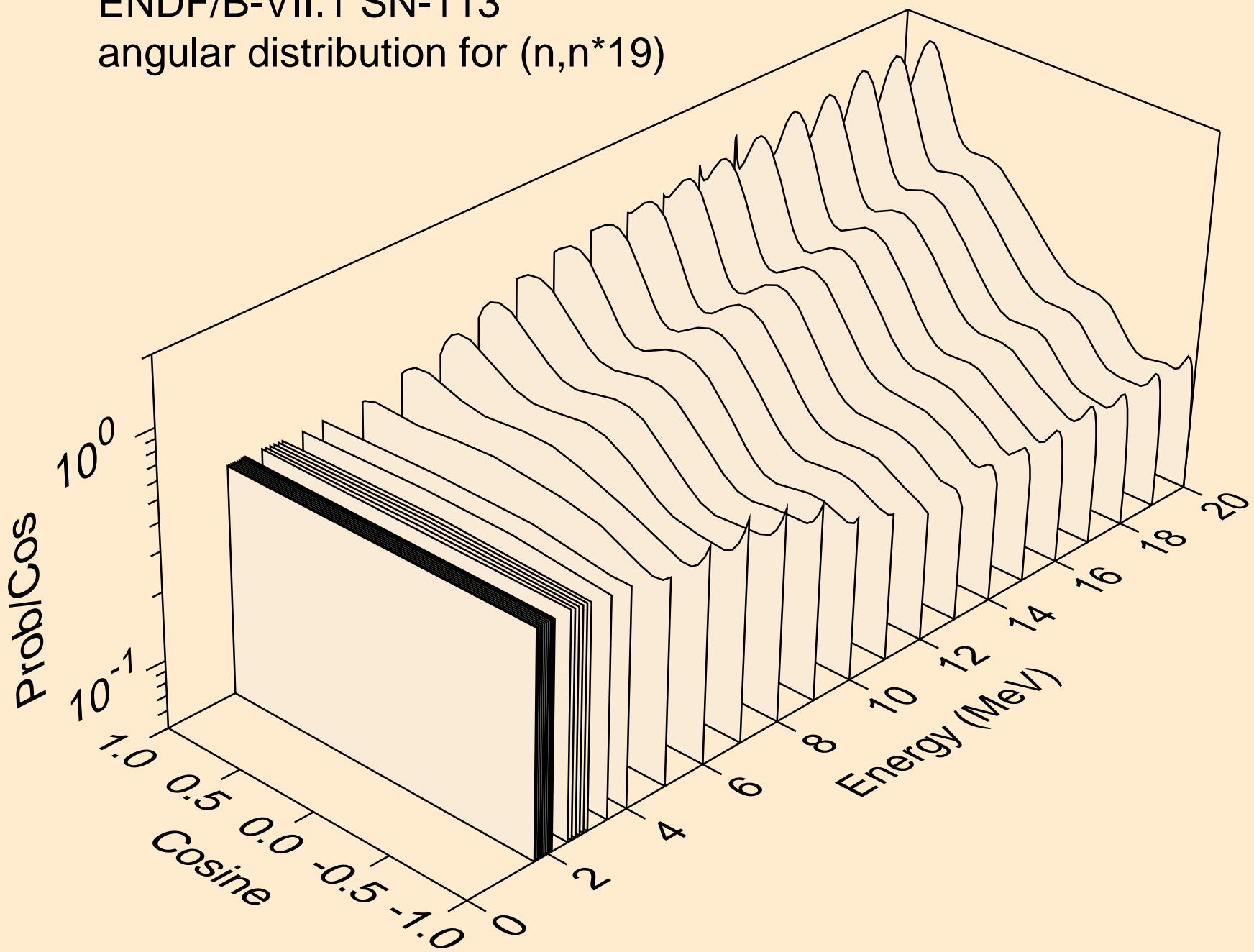
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angular distribution for  $(n,n^*17)$



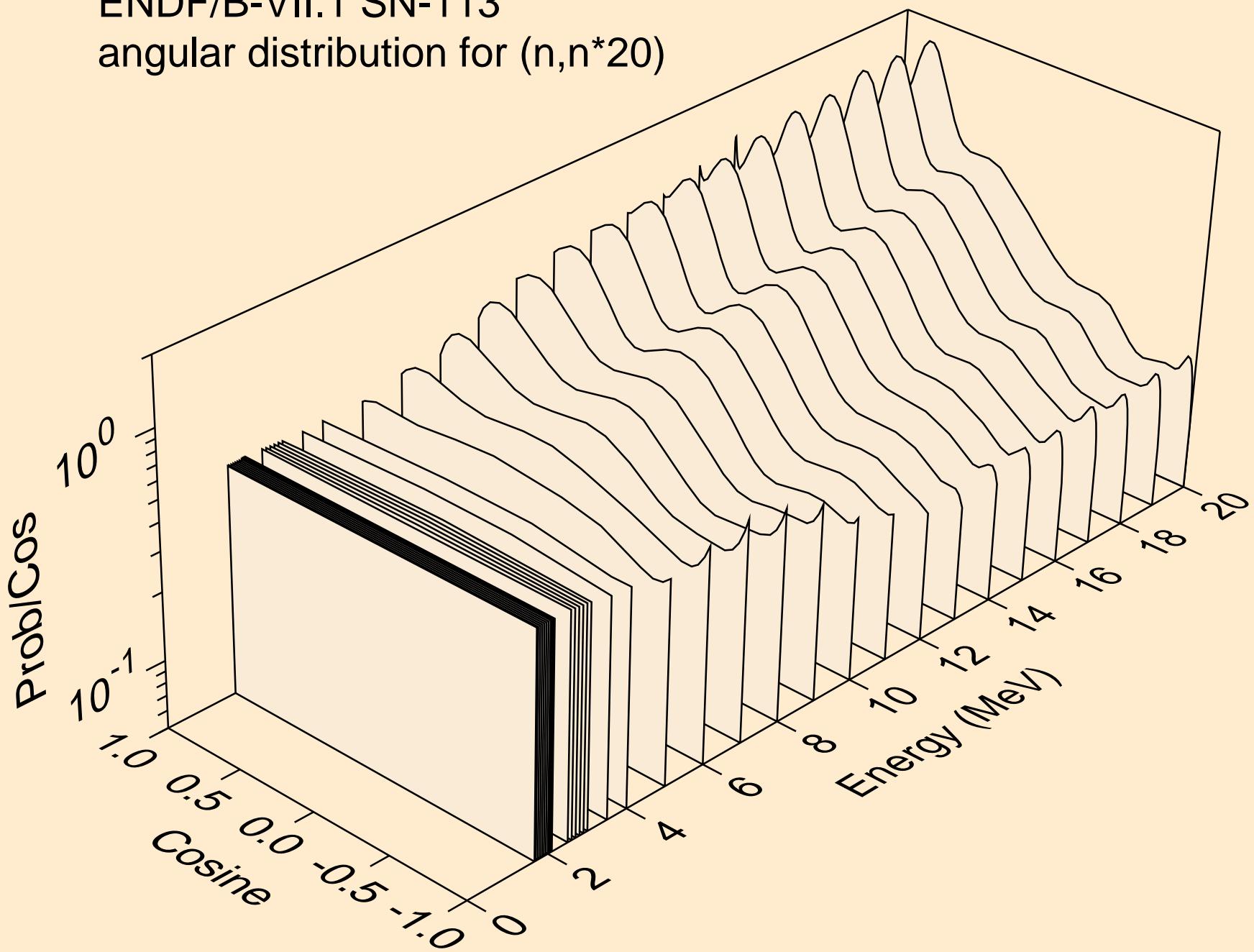
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angular distribution for  $(n,n^*18)$



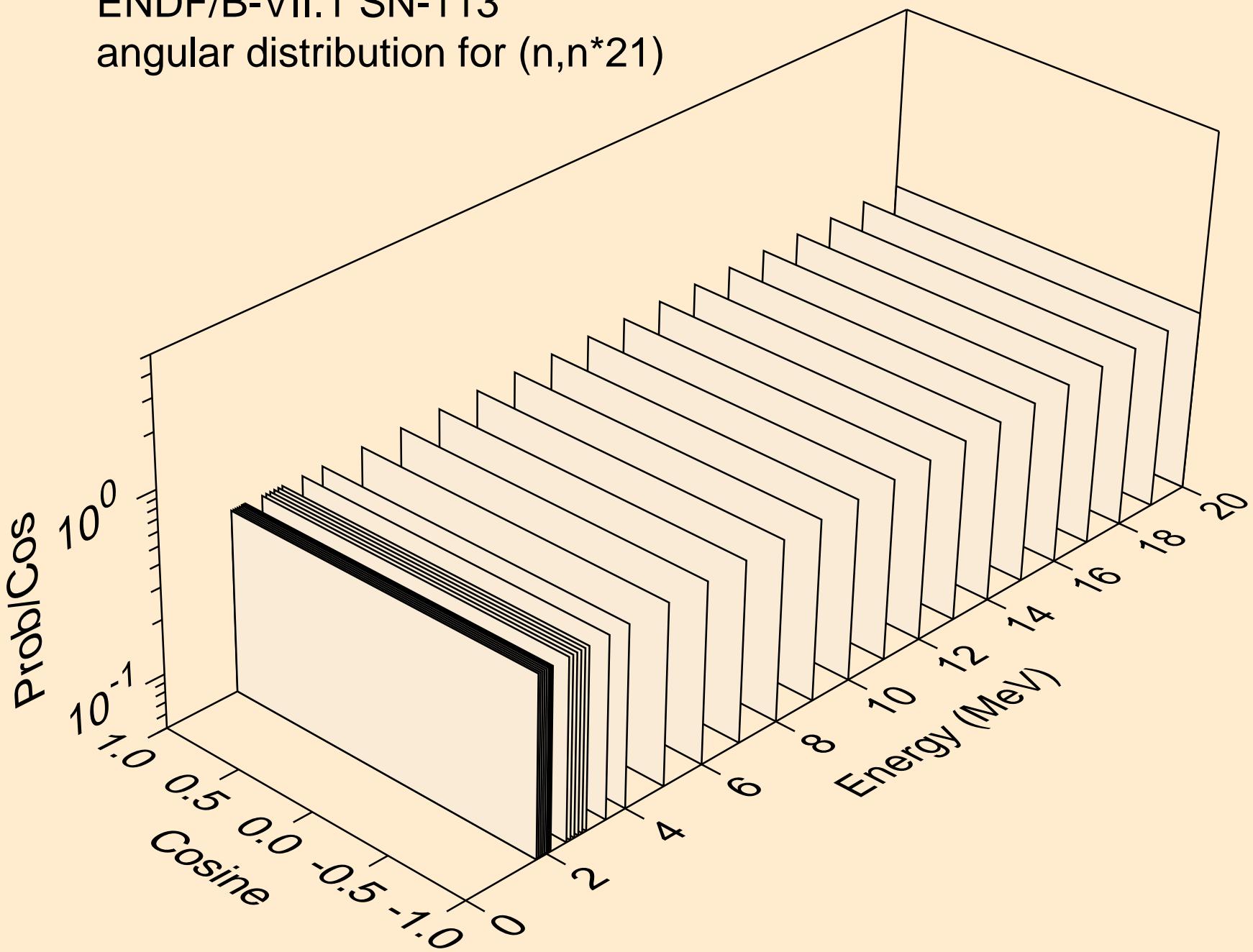
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angular distribution for  $(n,n^*19)$



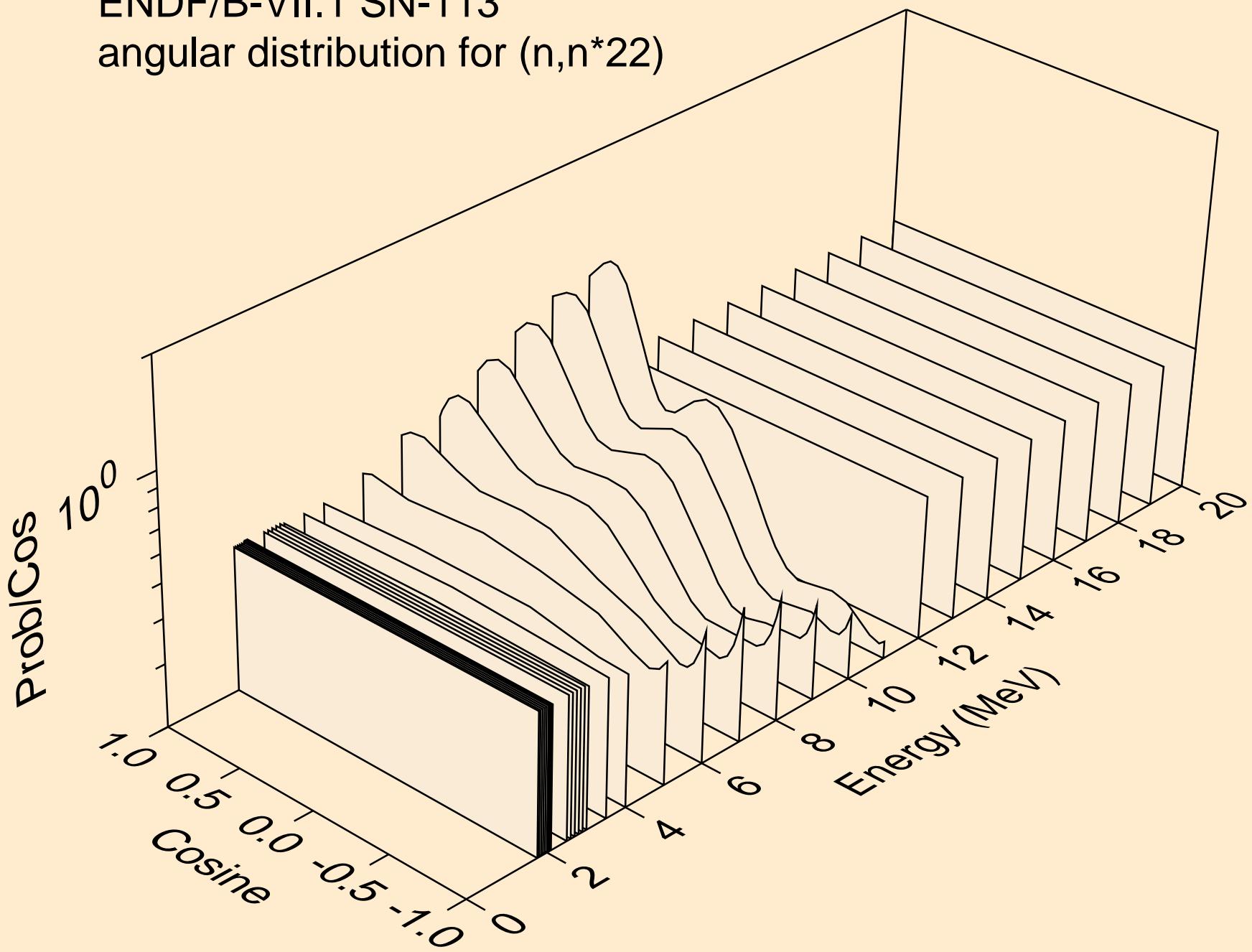
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angular distribution for  $(n,n^*20)$



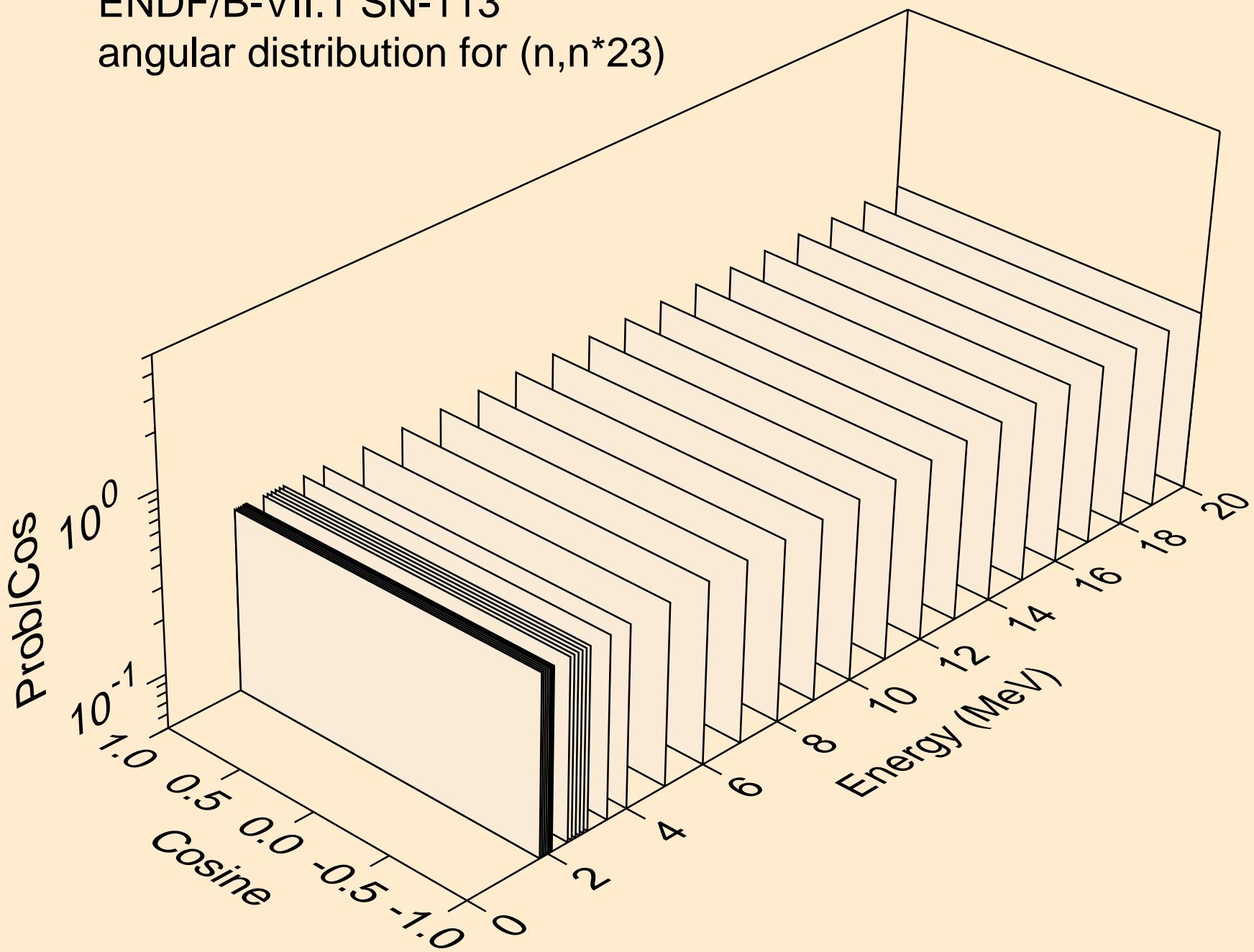
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angular distribution for (n,n\*21)



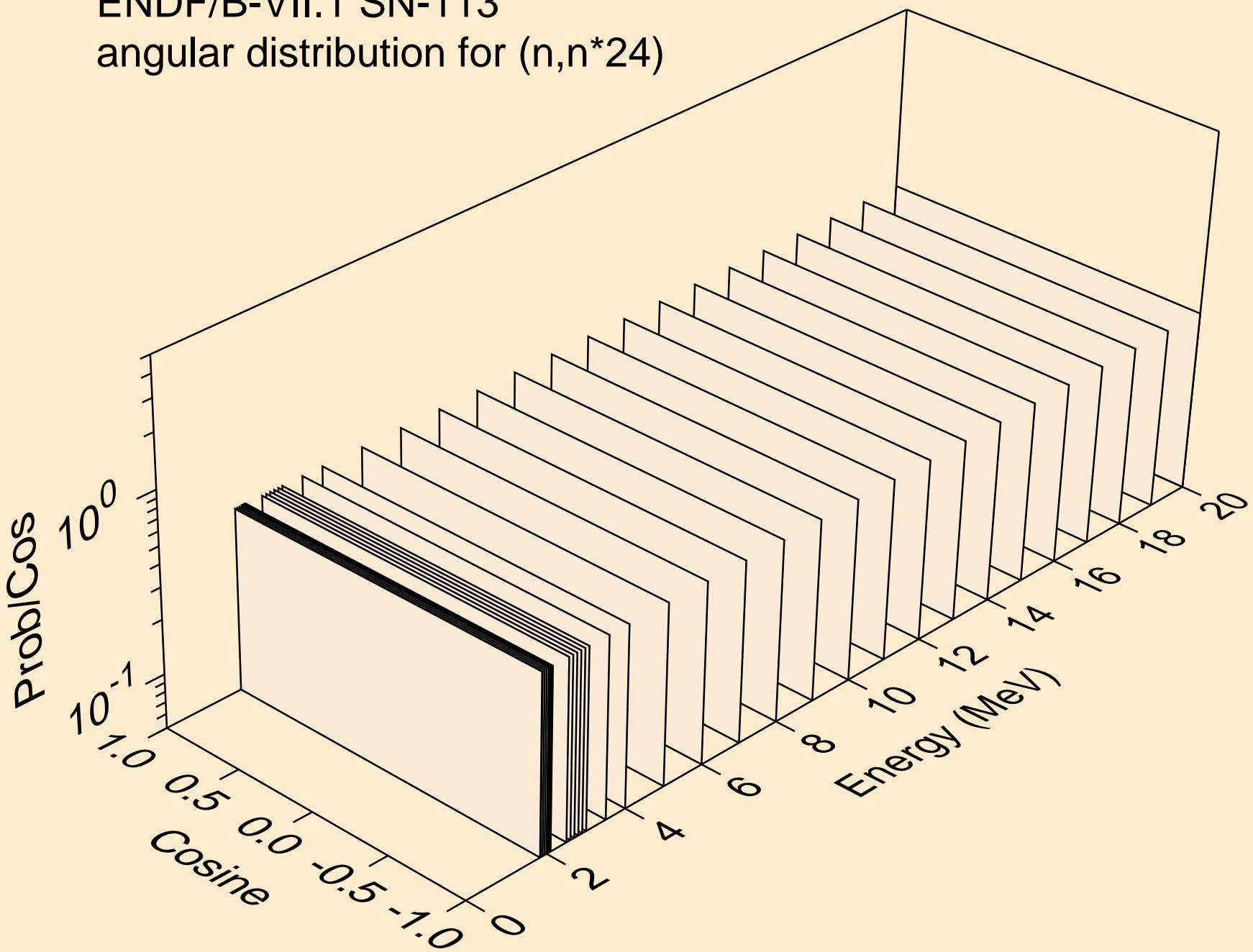
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angular distribution for  $(n,n^*22)$



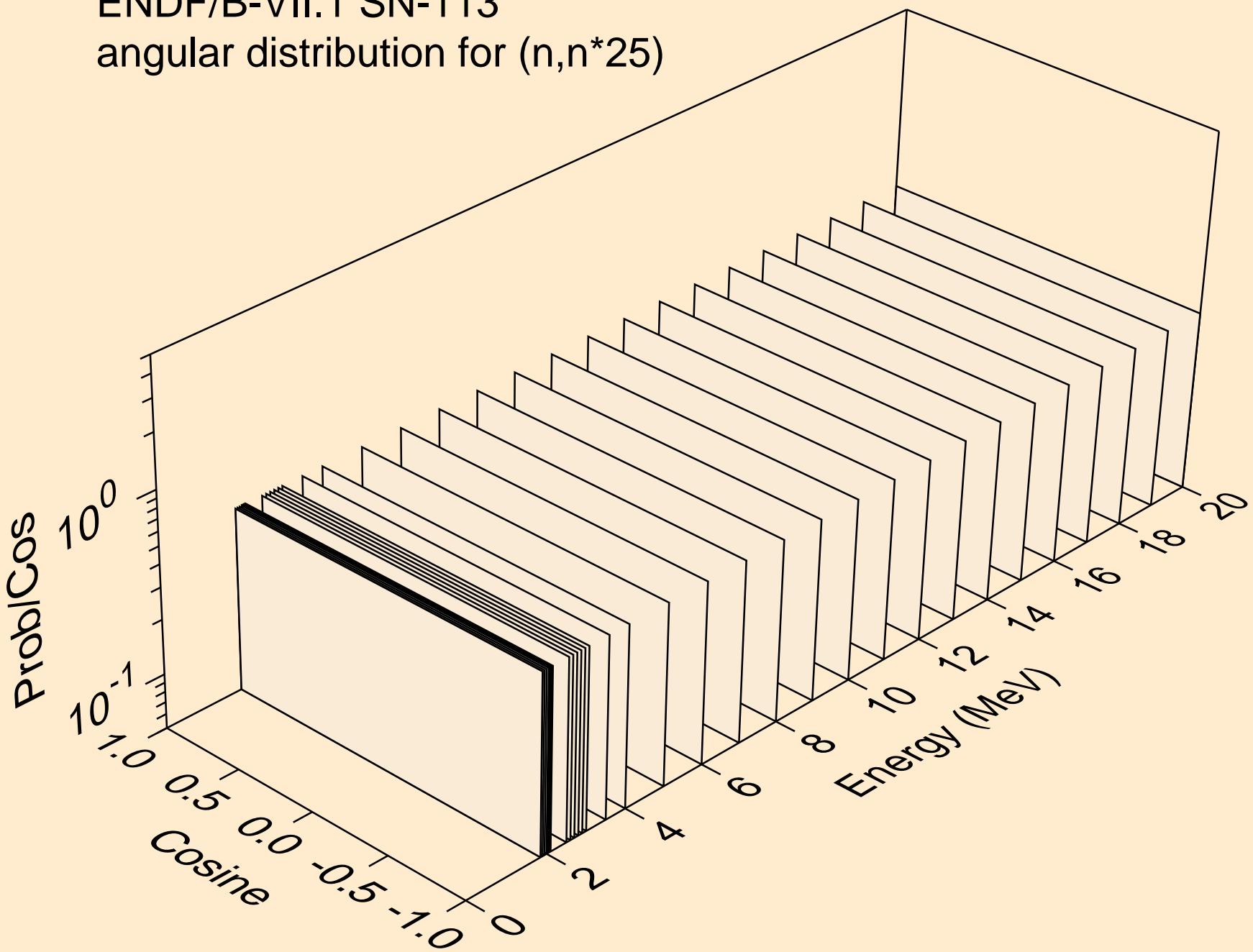
ENDF/B-VII.1 SN-113  
angular distribution for (n,n\*23)



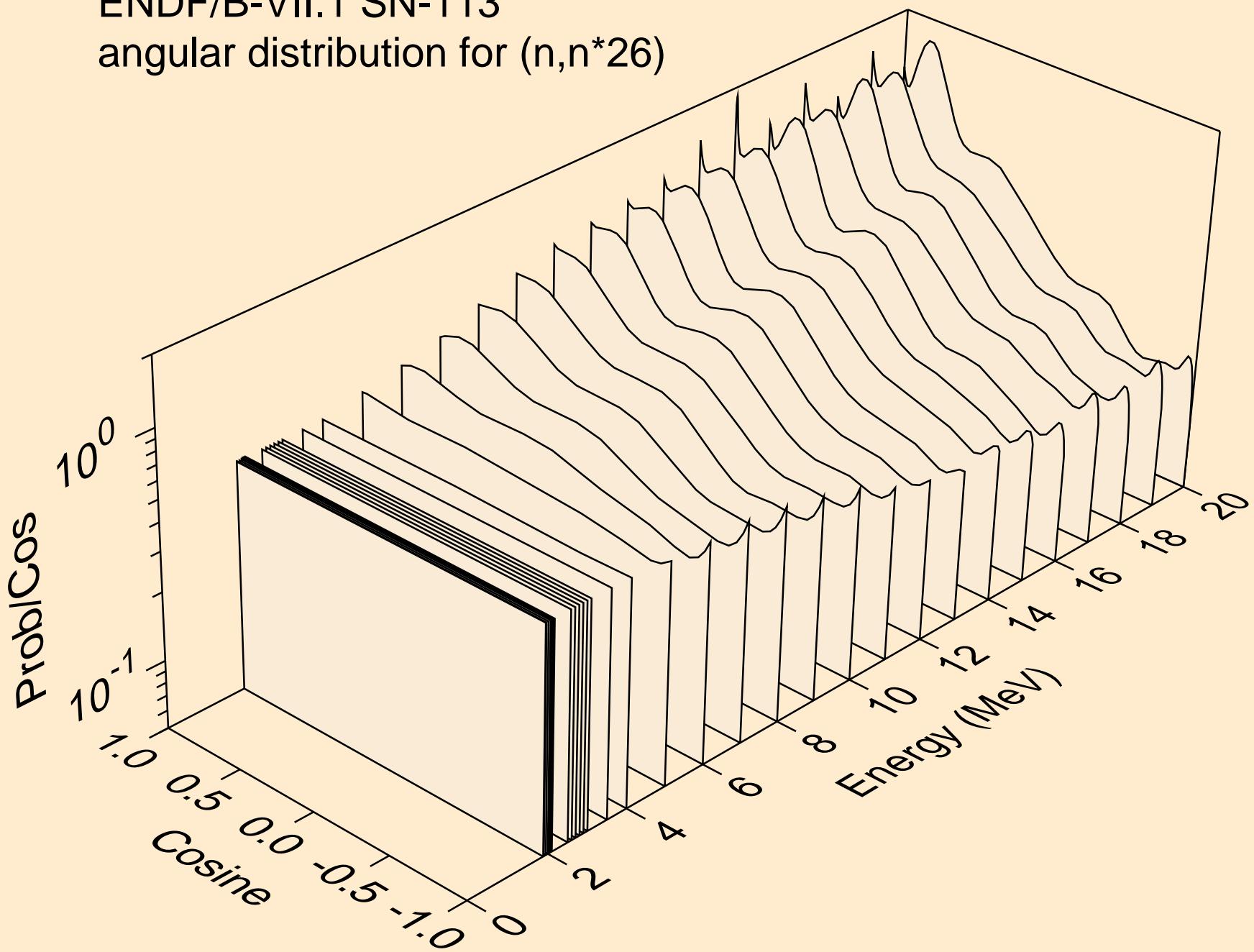
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angular distribution for (n,n\*24)



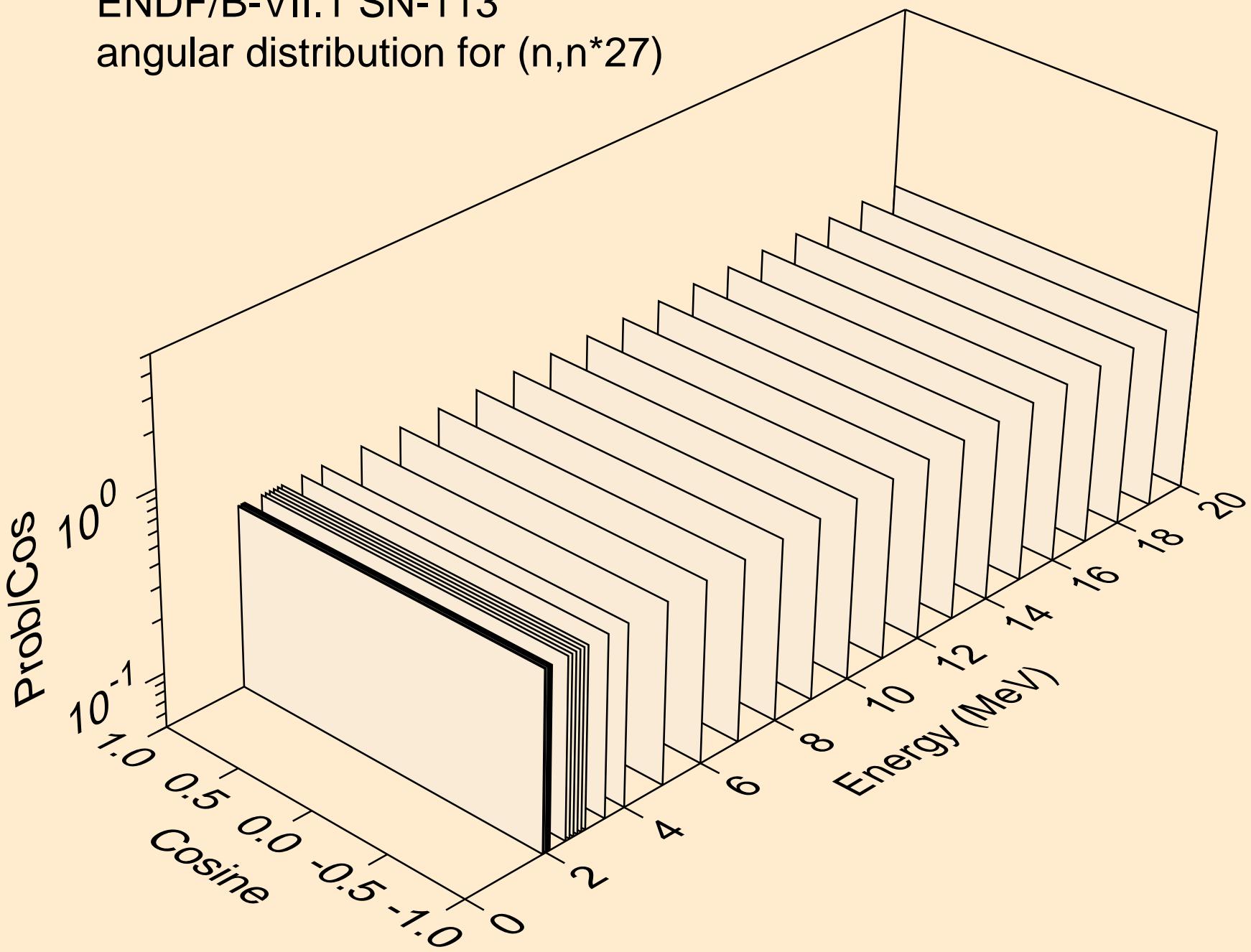
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angular distribution for (n,n\*25)



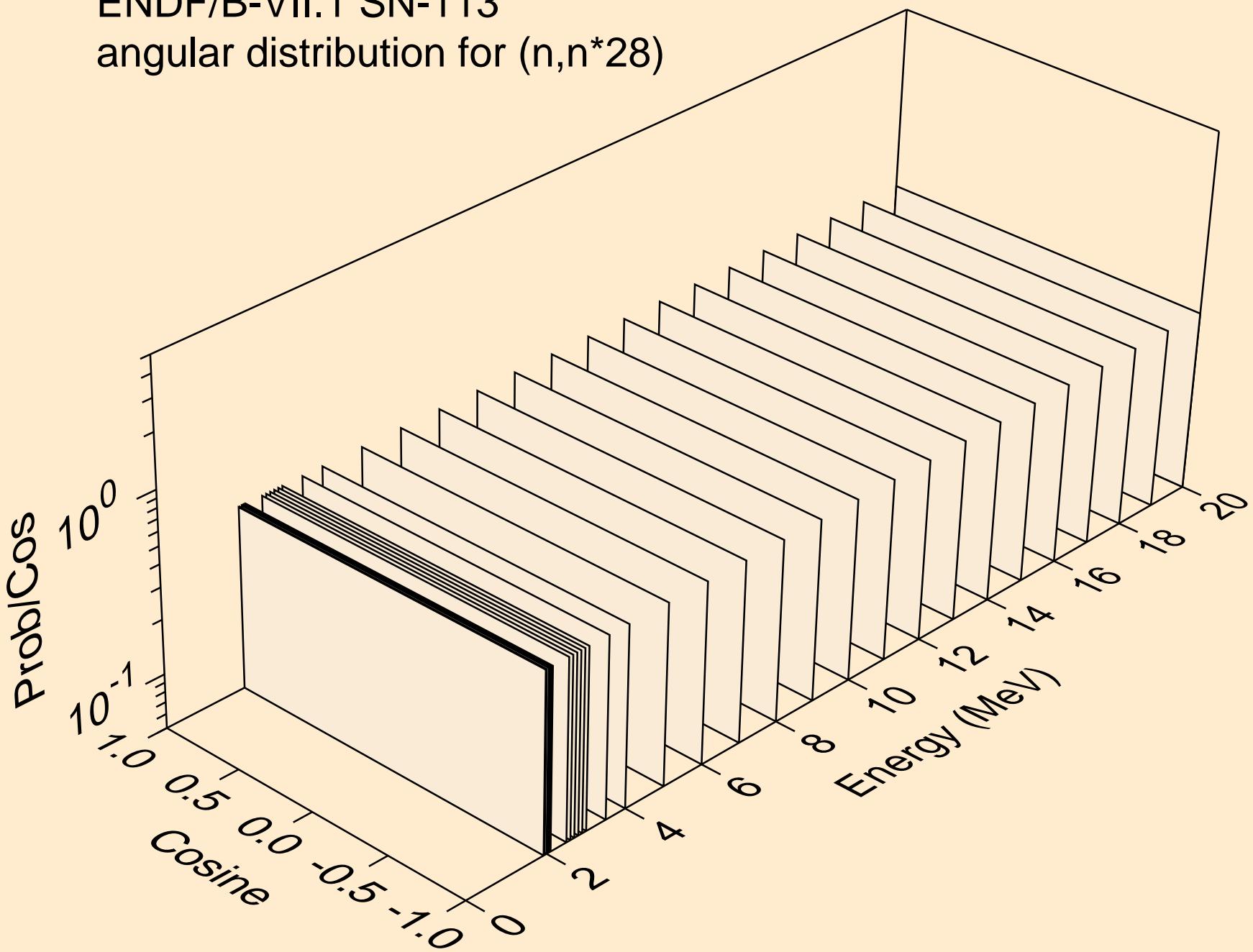
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,n^*26)$



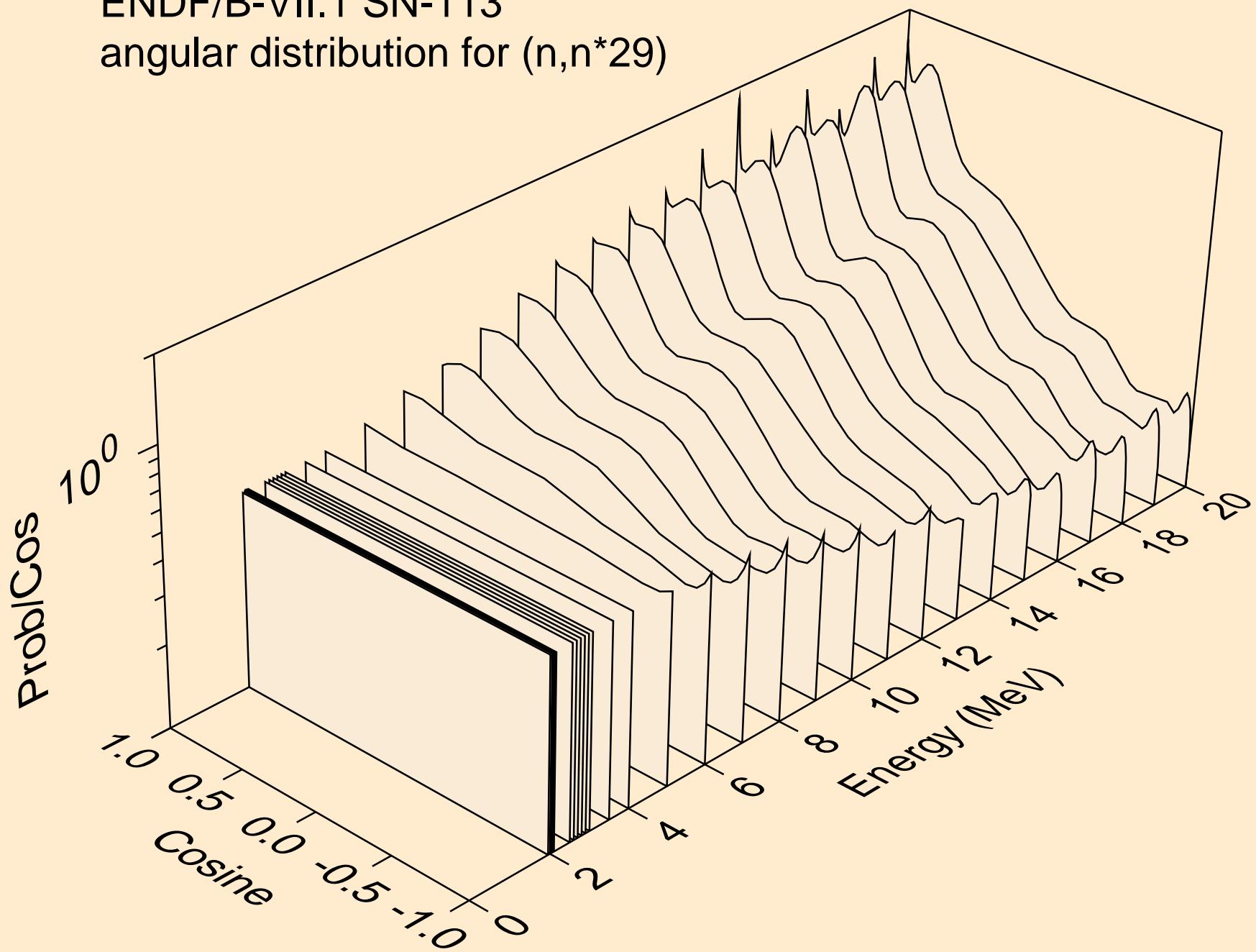
ENDF/B-VII.1 SN-113  
angular distribution for (n,n\*27)



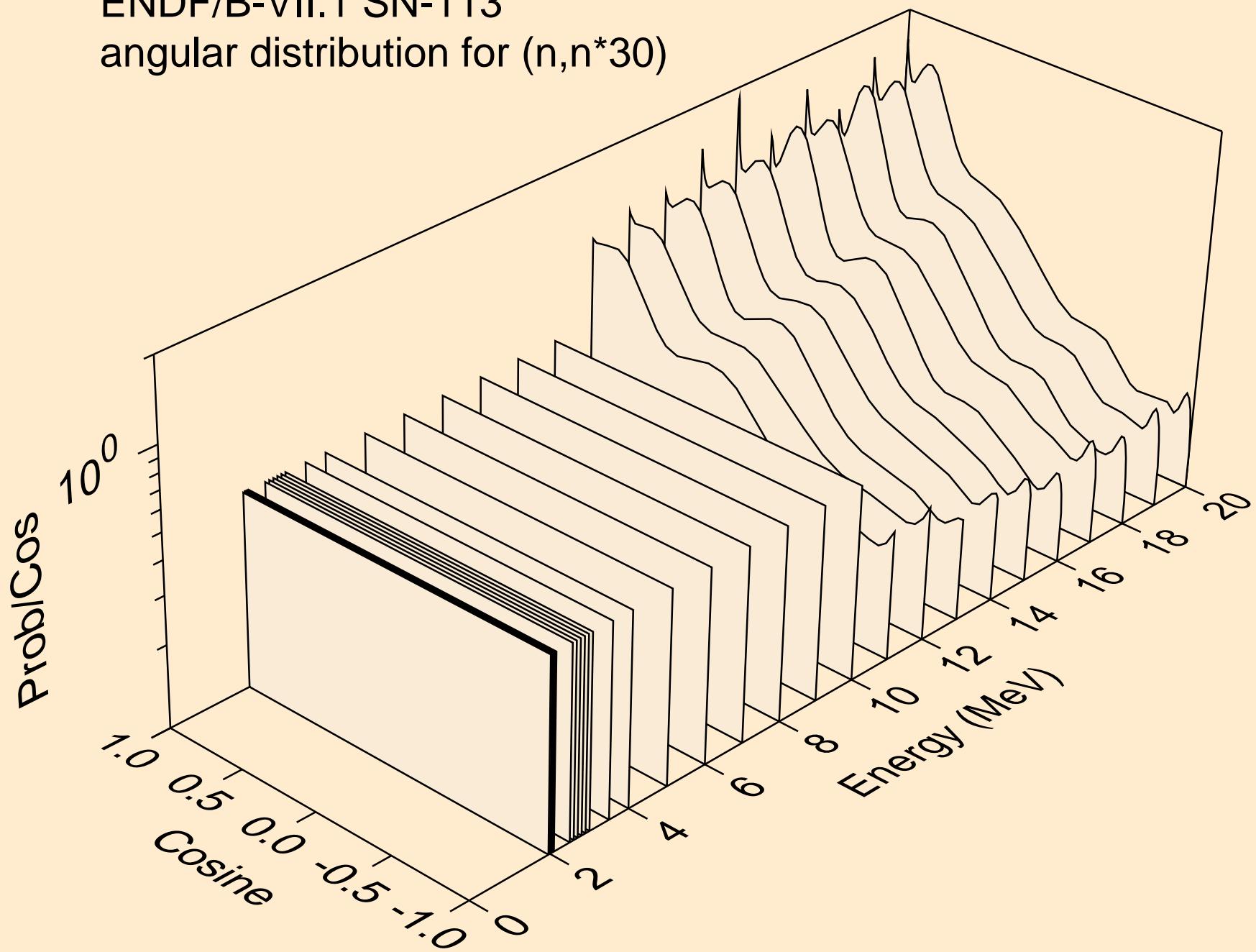
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angular distribution for (n,n\*28)



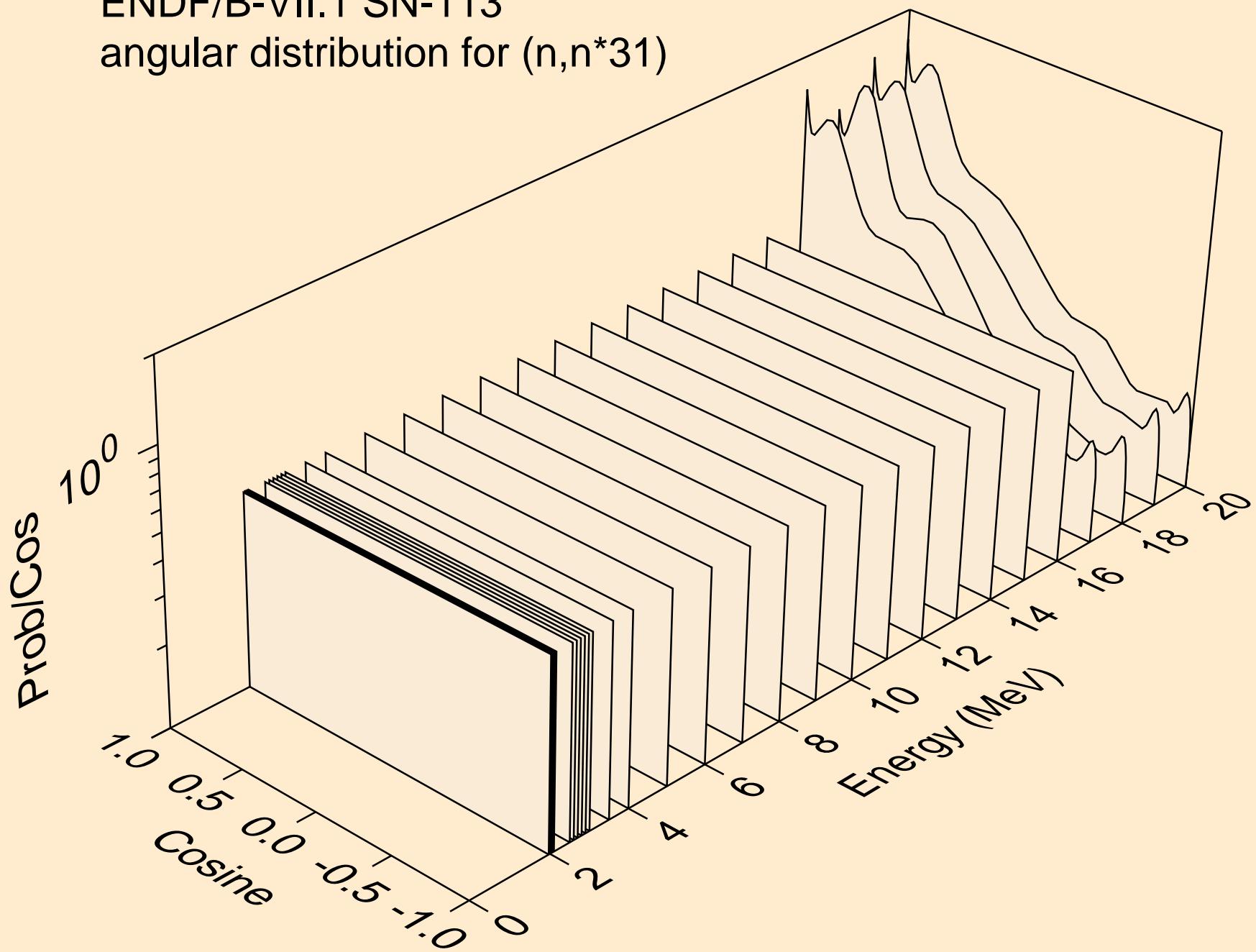
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,n^*29)$



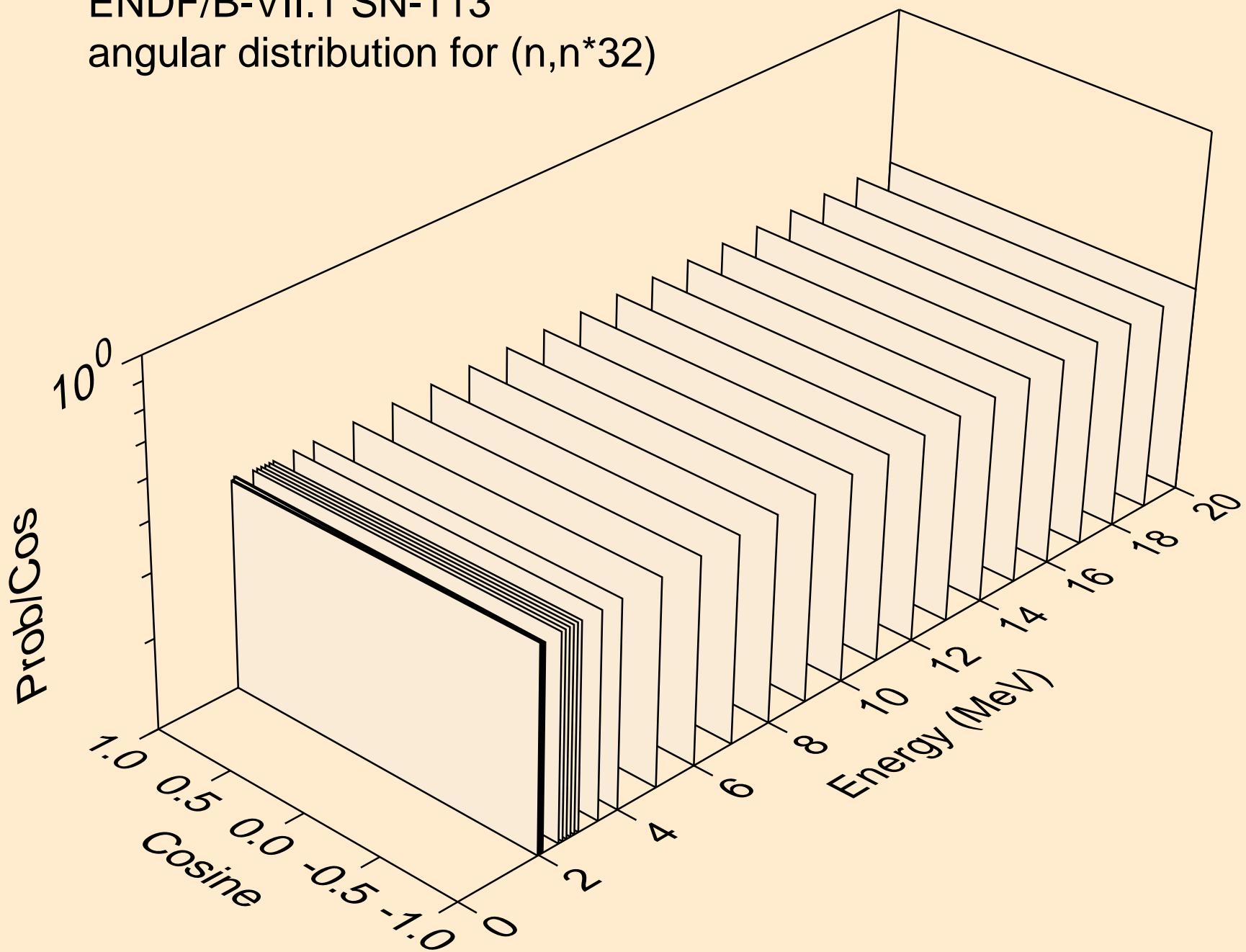
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,n^*30)$



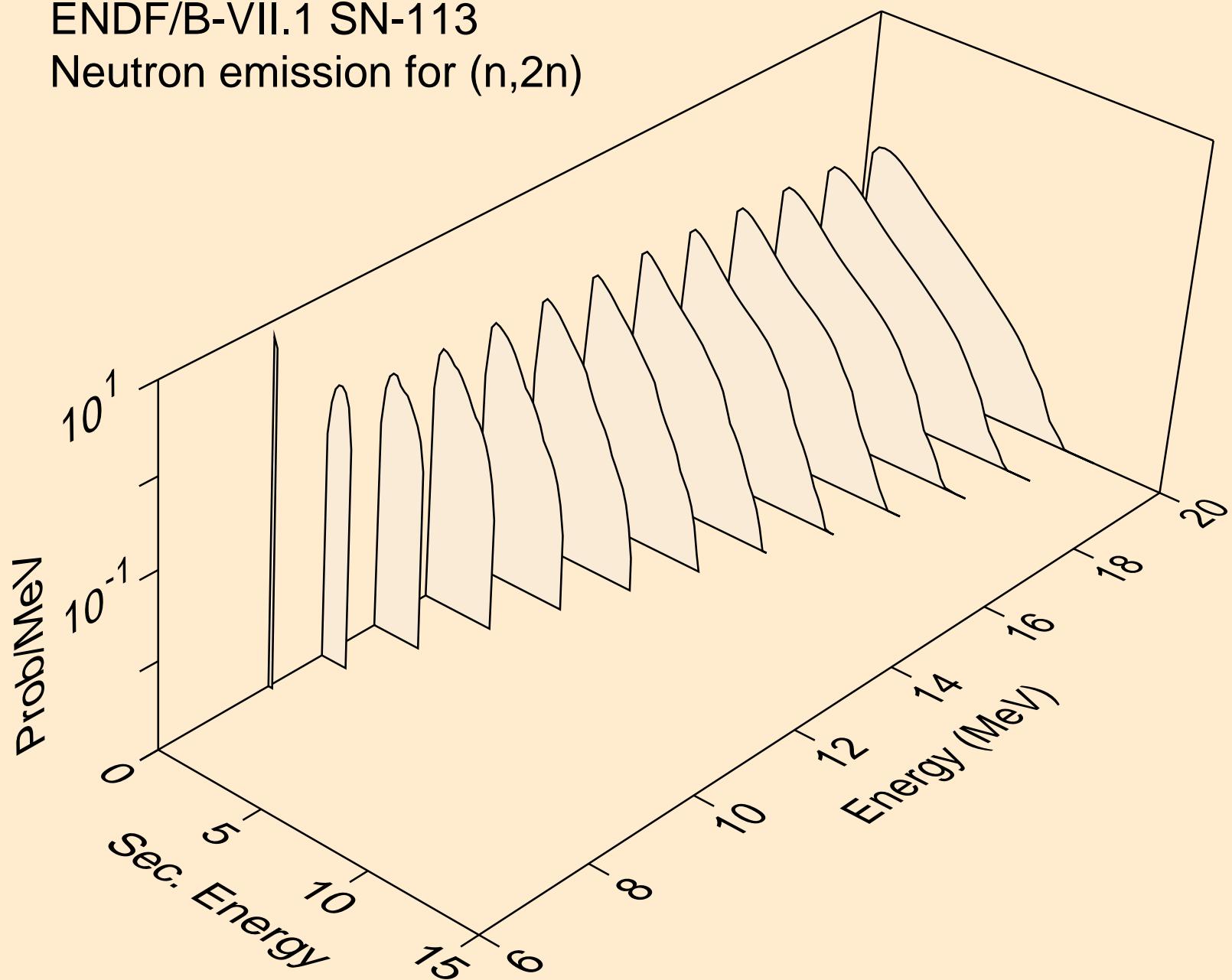
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angular distribution for  $(n,n^*31)$



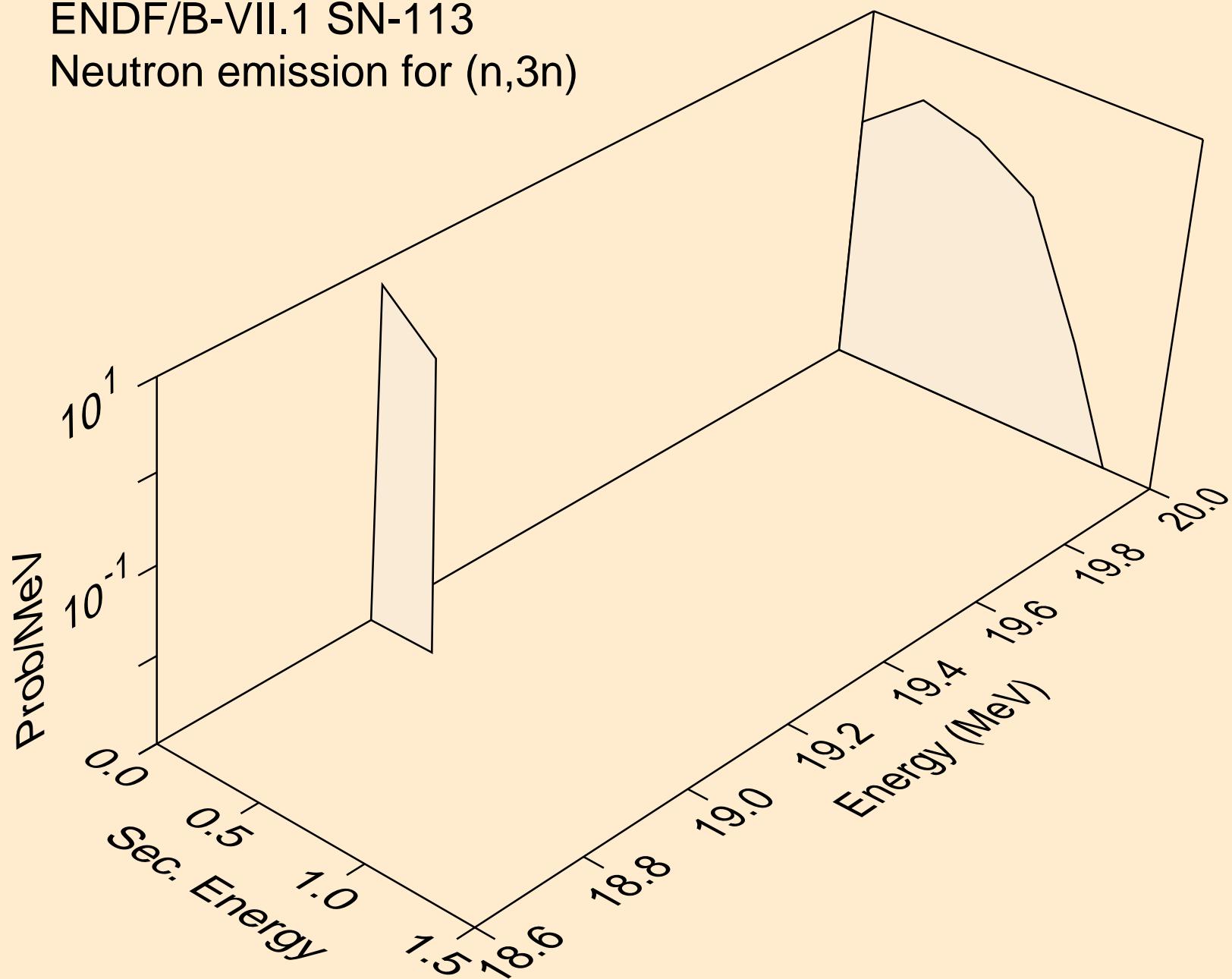
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angular distribution for (n,n\*32)



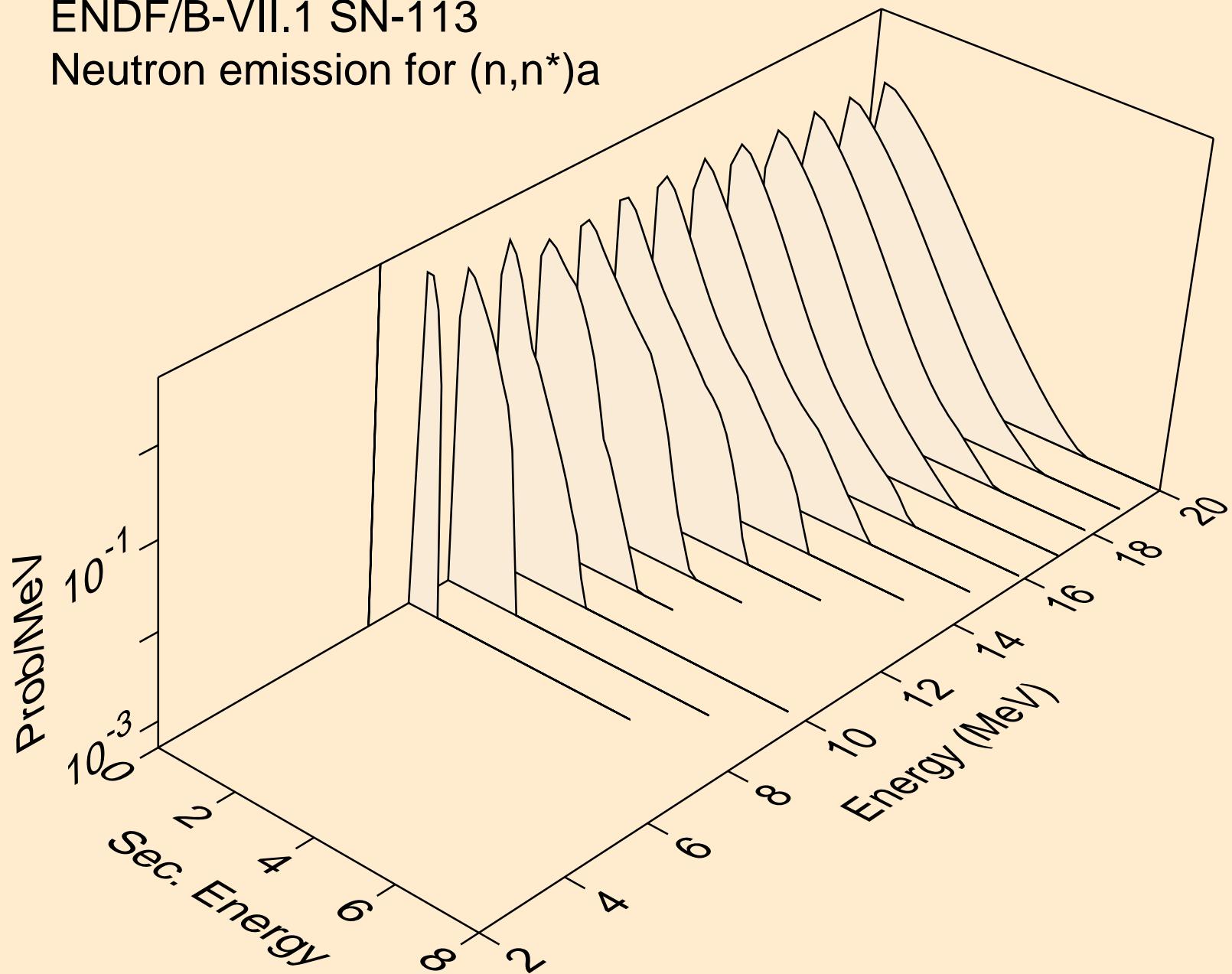
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Neutron emission for  $(n,2n)$



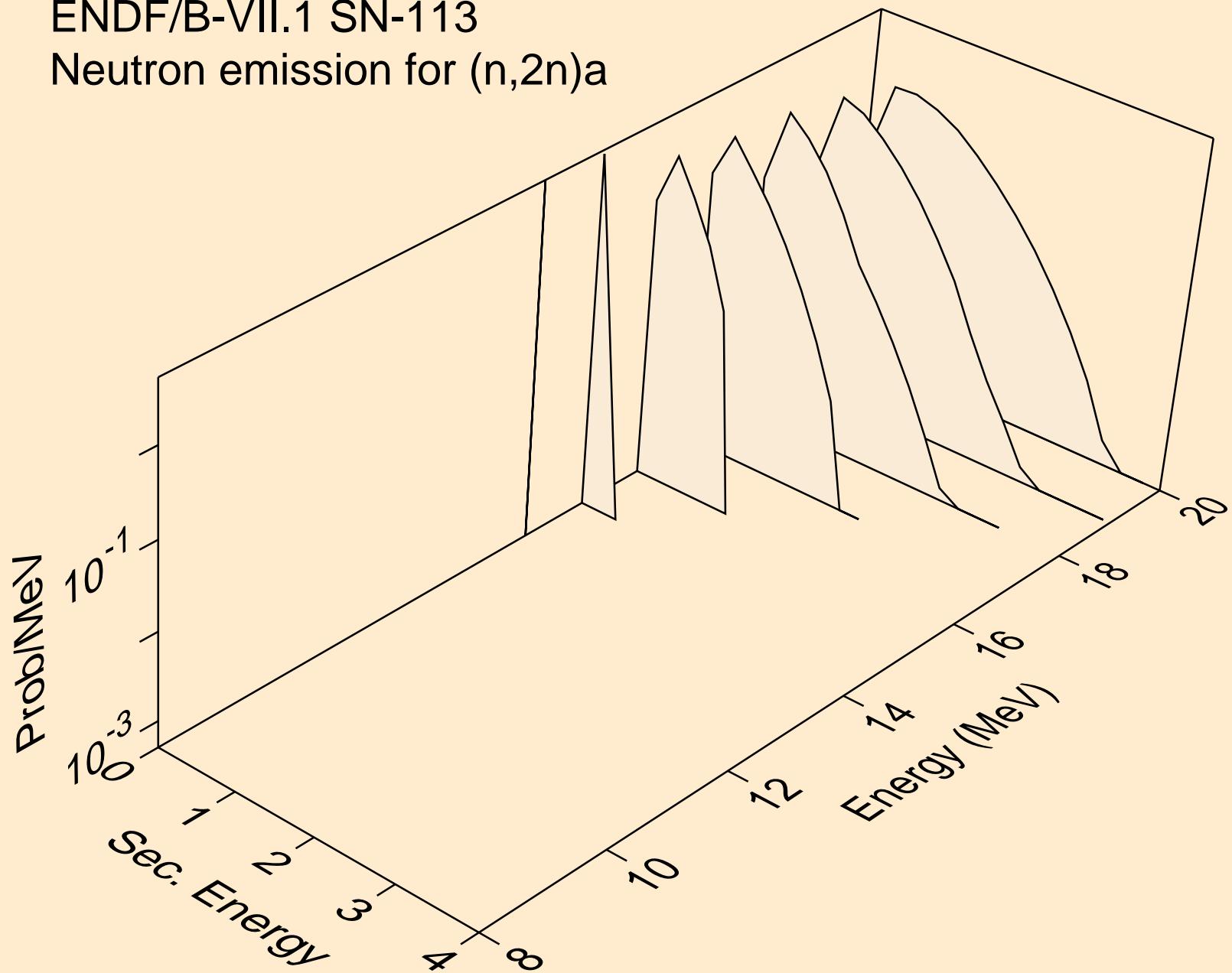
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Neutron emission for (n,3n)



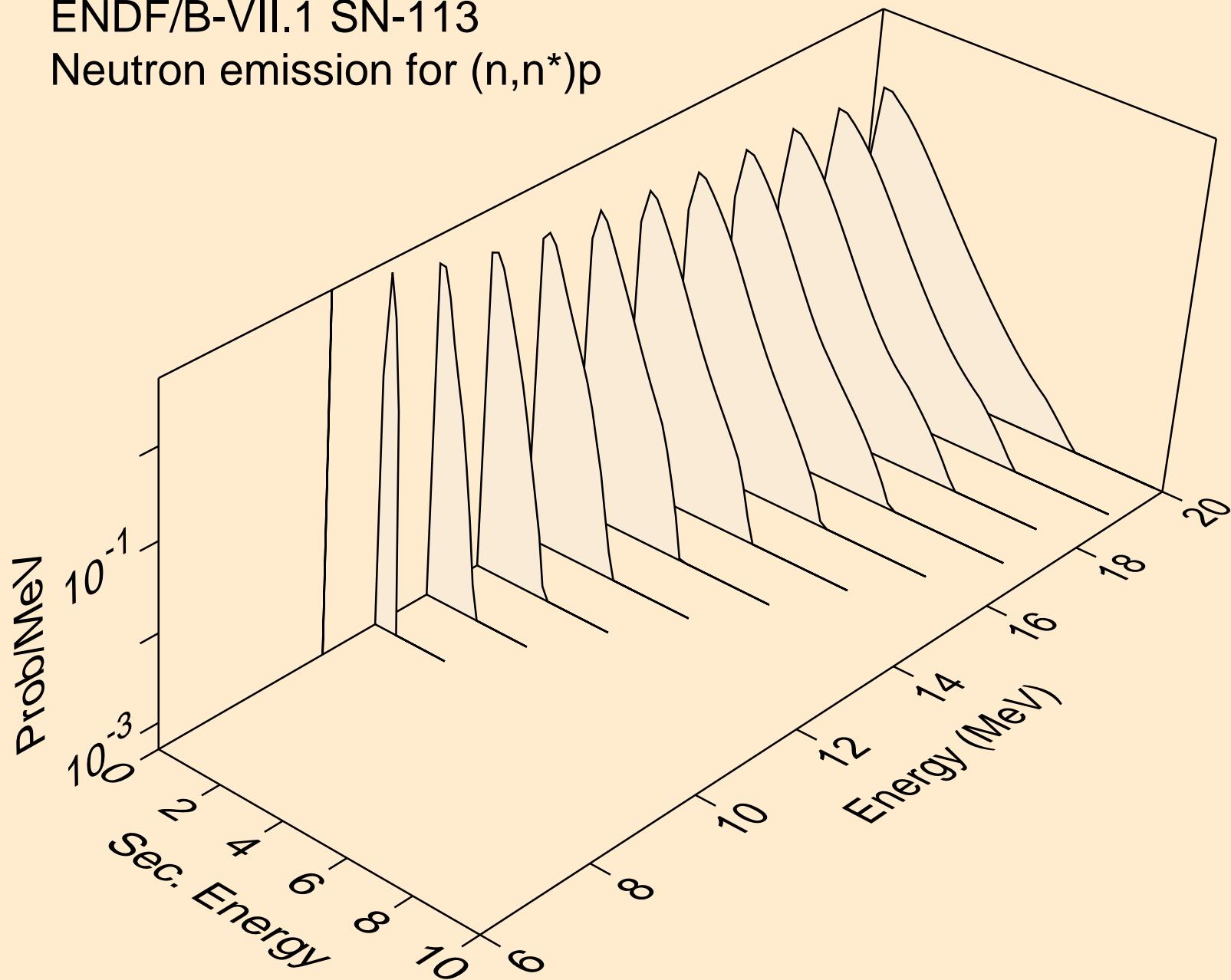
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Neutron emission for  $(n,n^*)a$



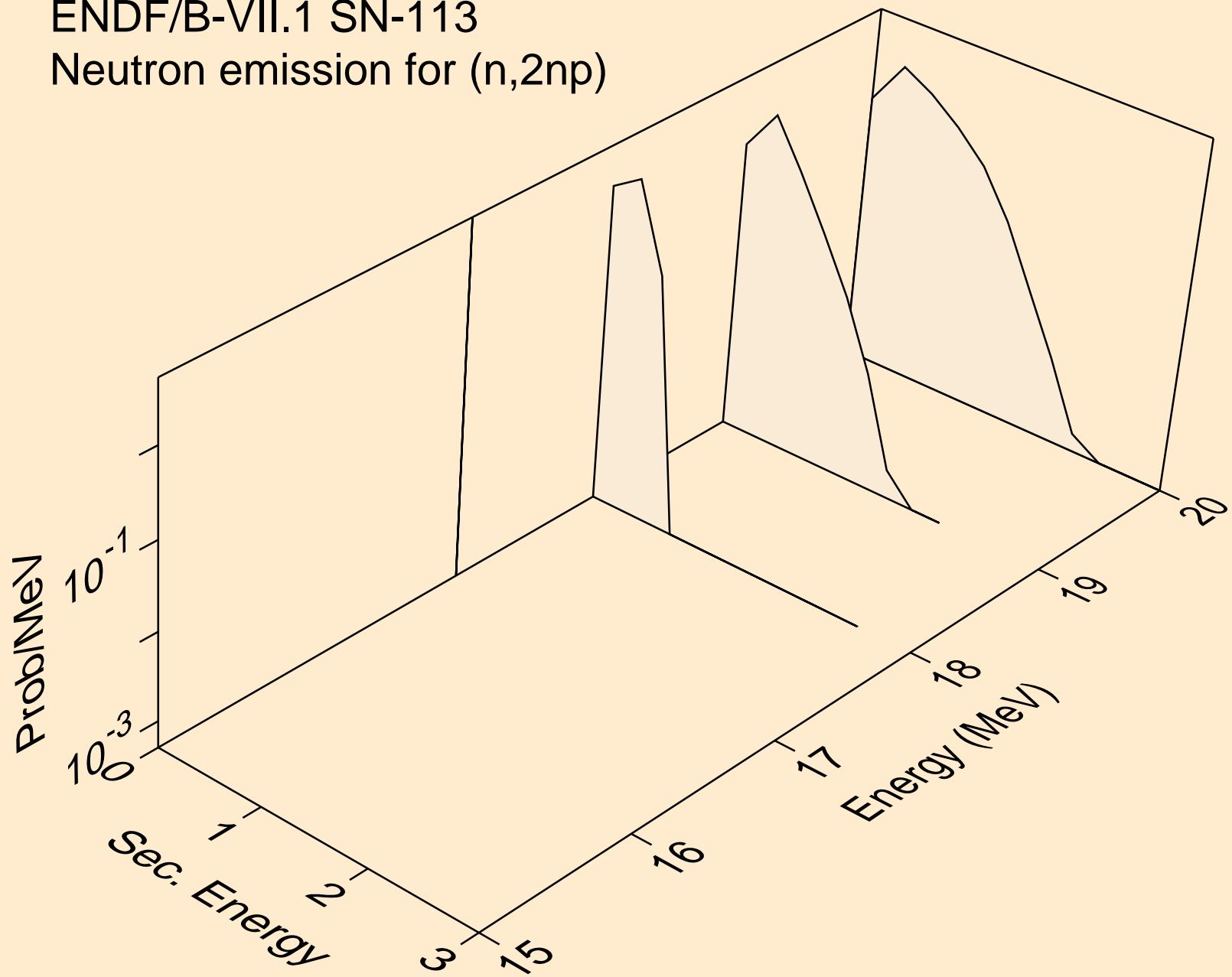
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Neutron emission for  $(n,2n)a$



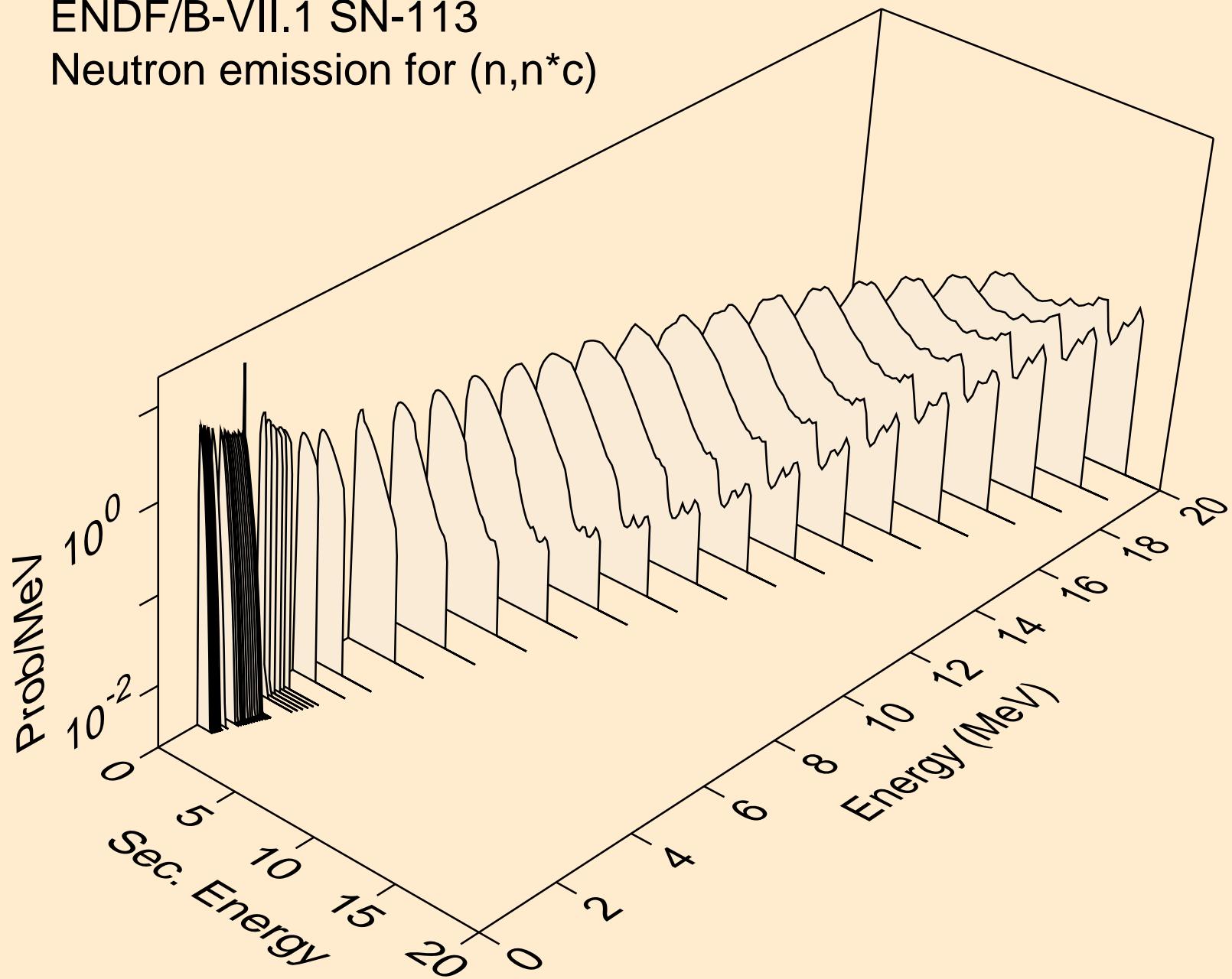
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Neutron emission for  $(n,n^*)p$



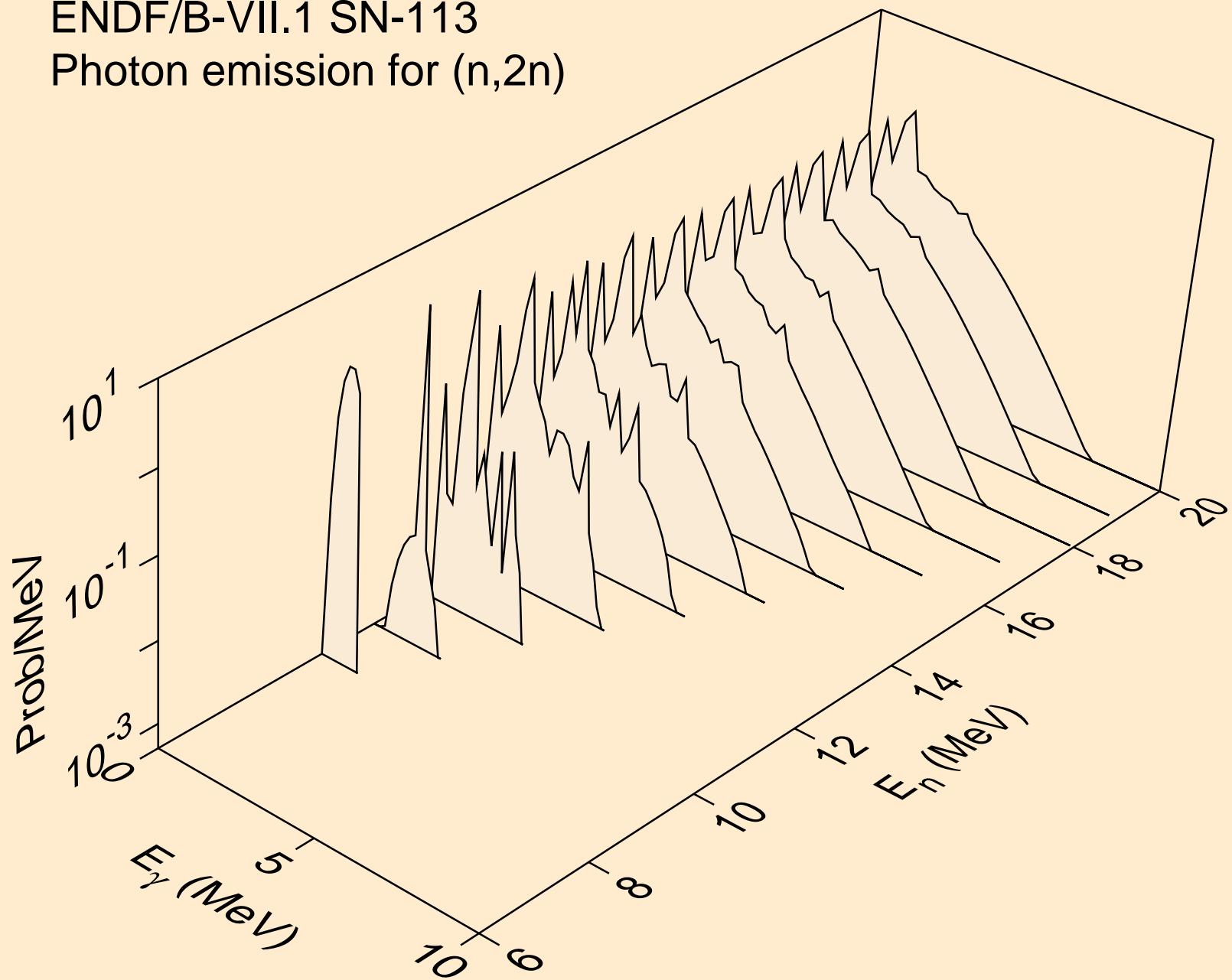
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Neutron emission for (n,2np)



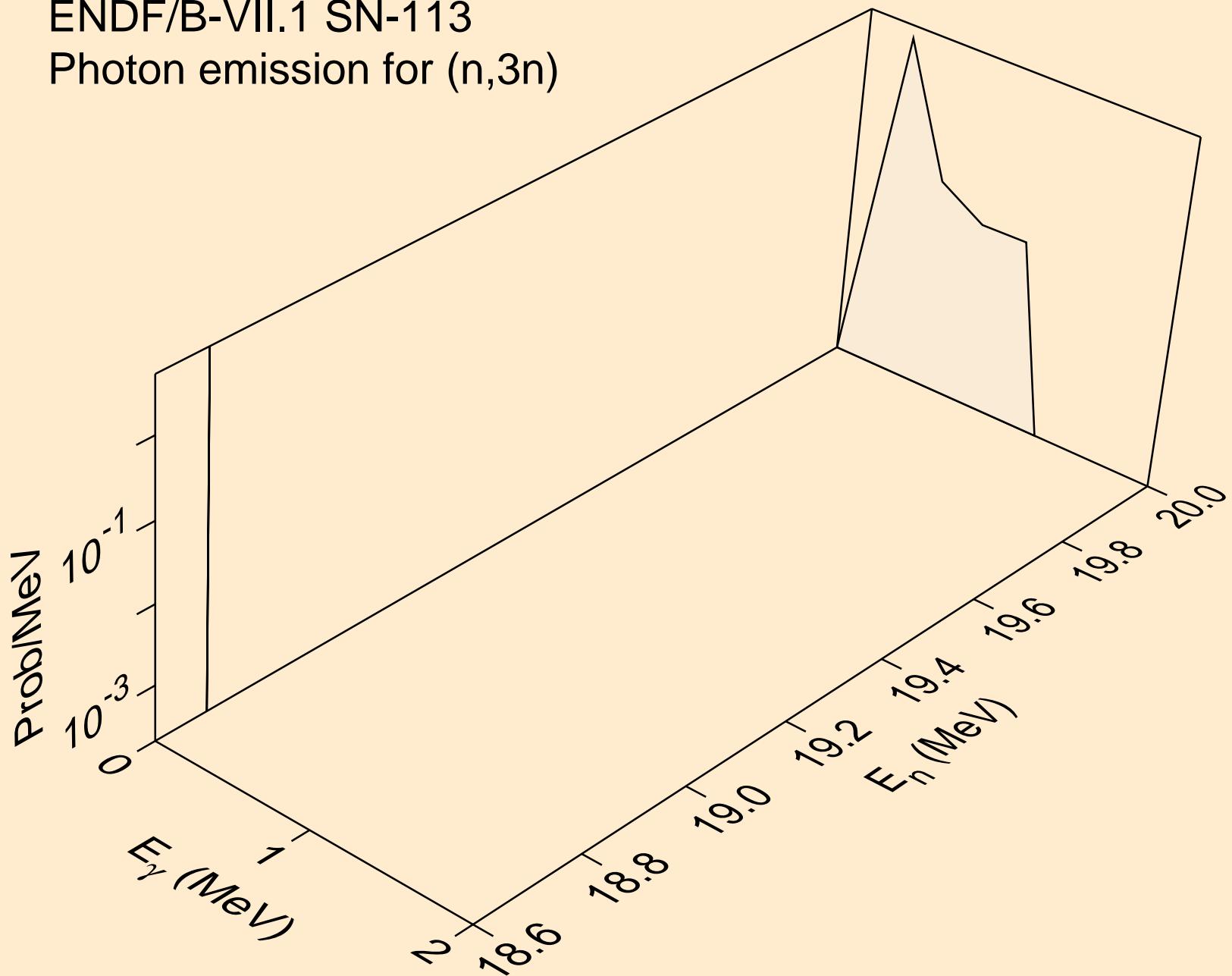
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Neutron emission for  $(n, n^* c)$



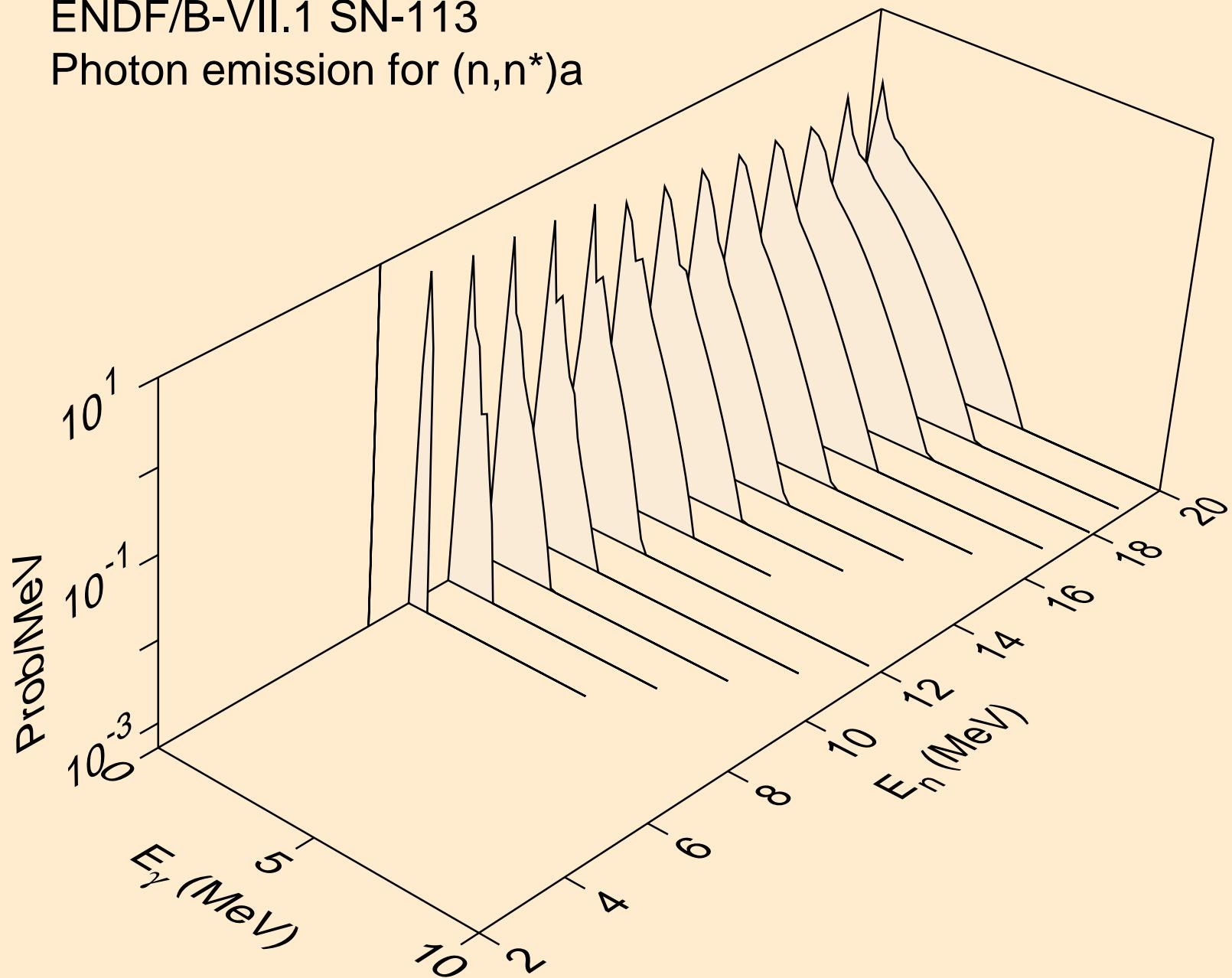
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Photon emission for ( $n,2n$ )



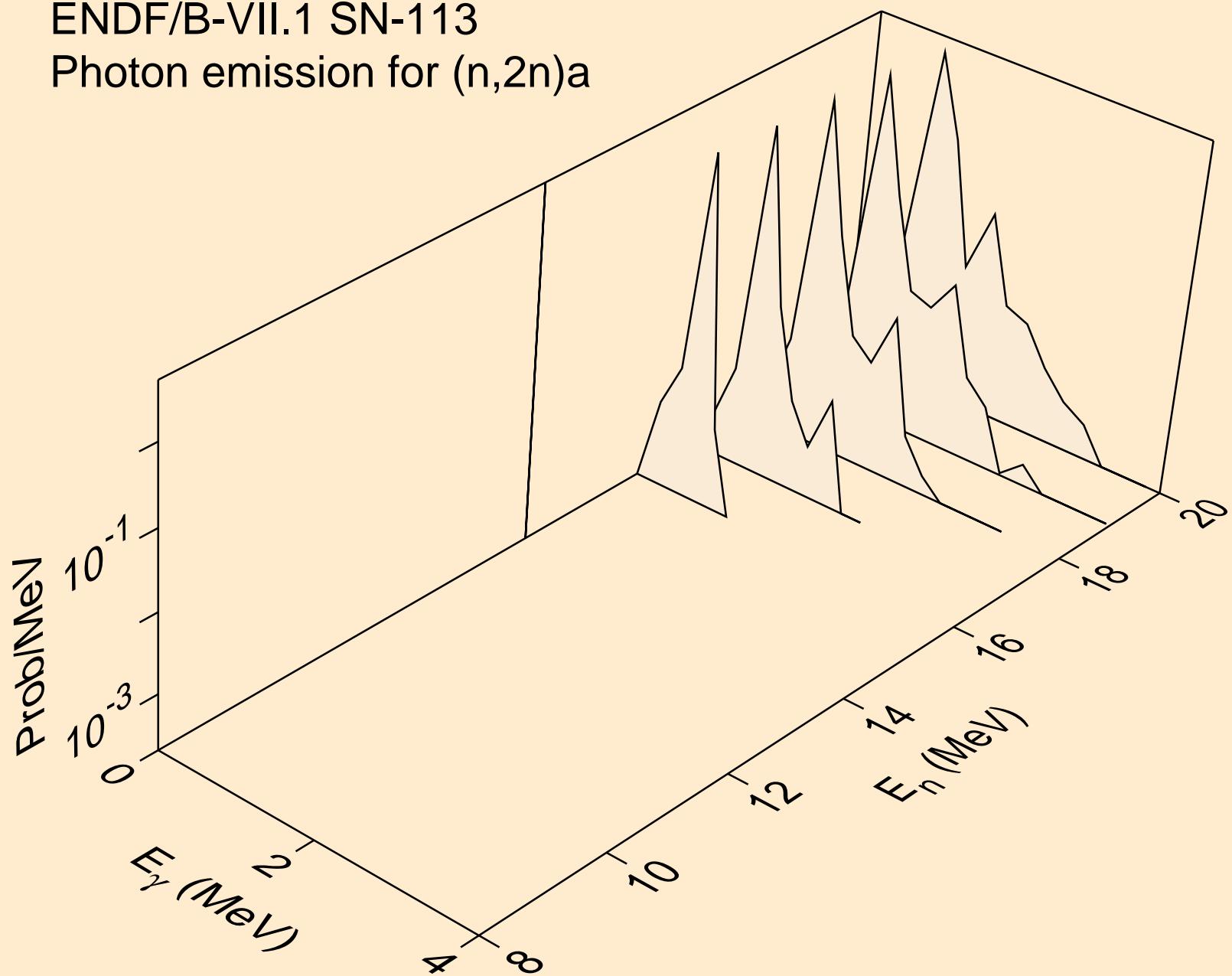
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Photon emission for (n,3n)



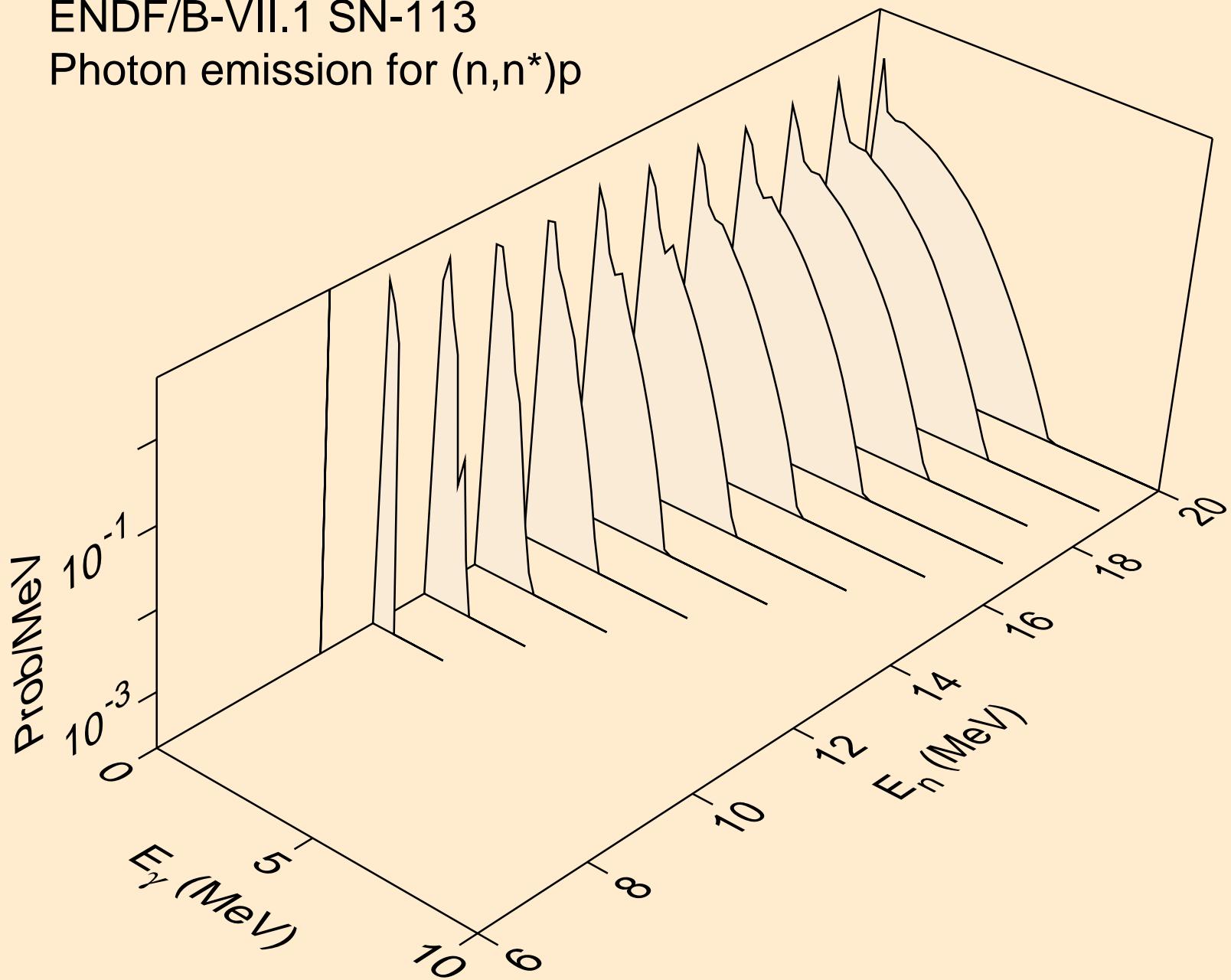
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Photon emission for  $(n,n^*)a$



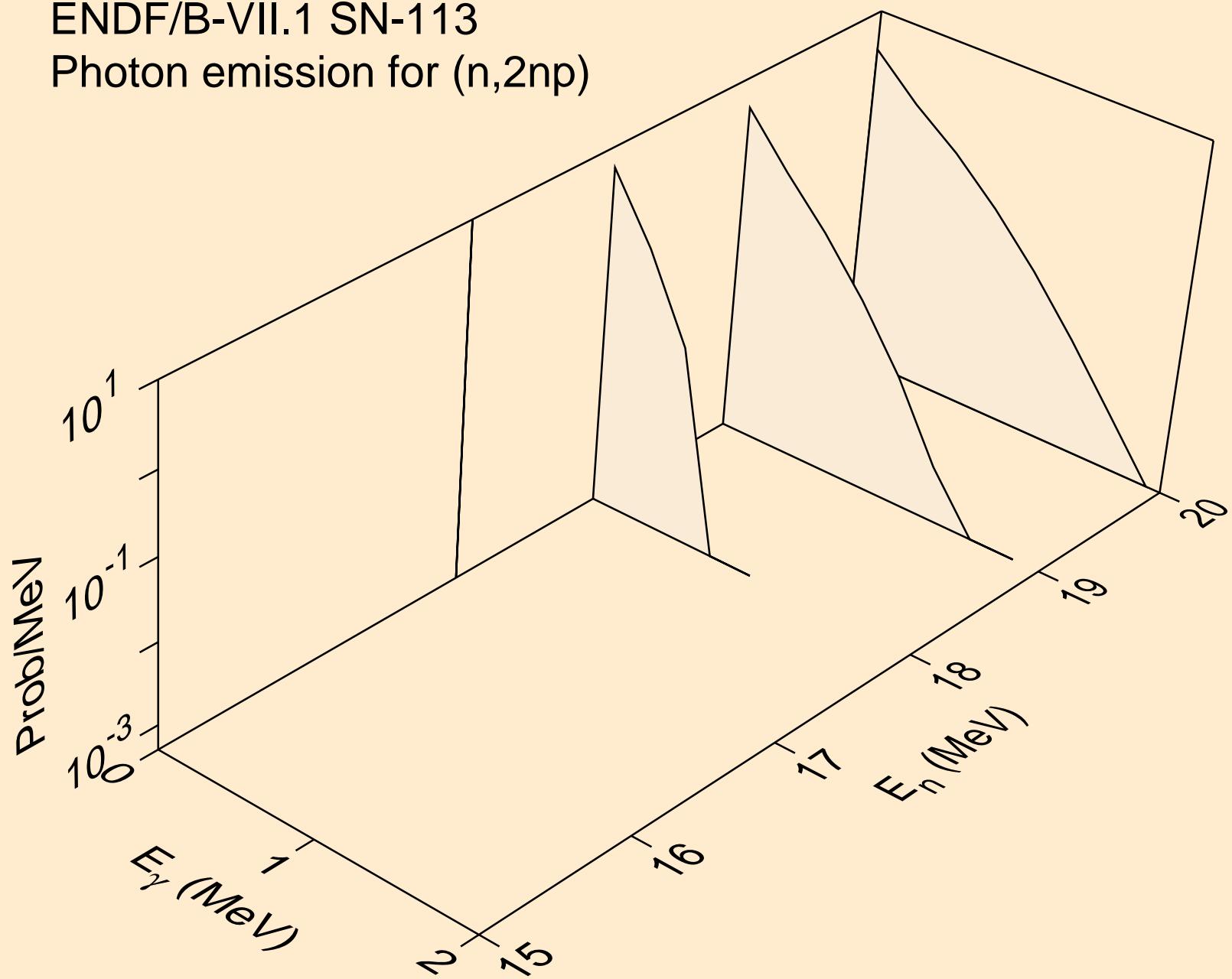
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Photon emission for (n,2n)a



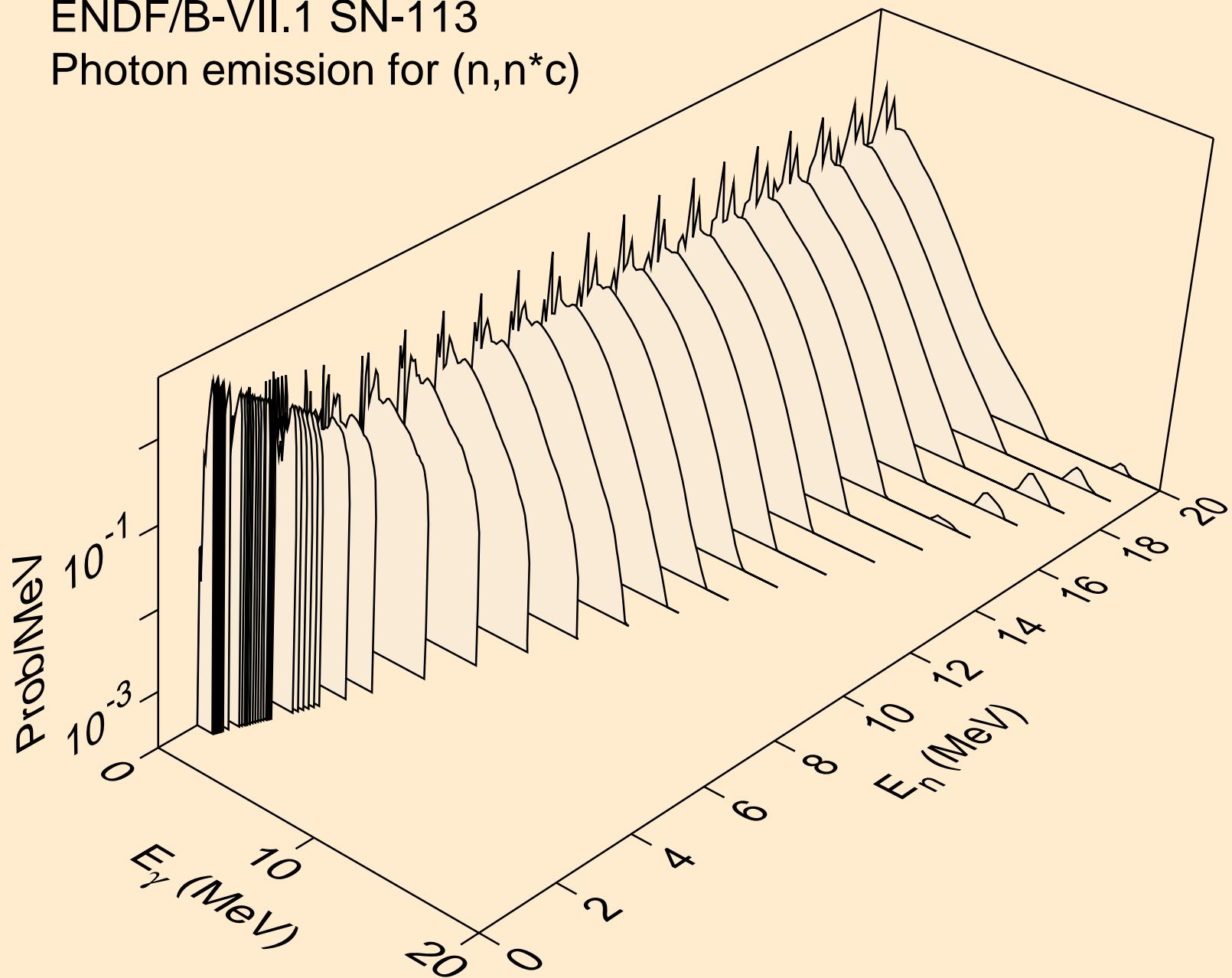
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Photon emission for  $(n,n^*)p$



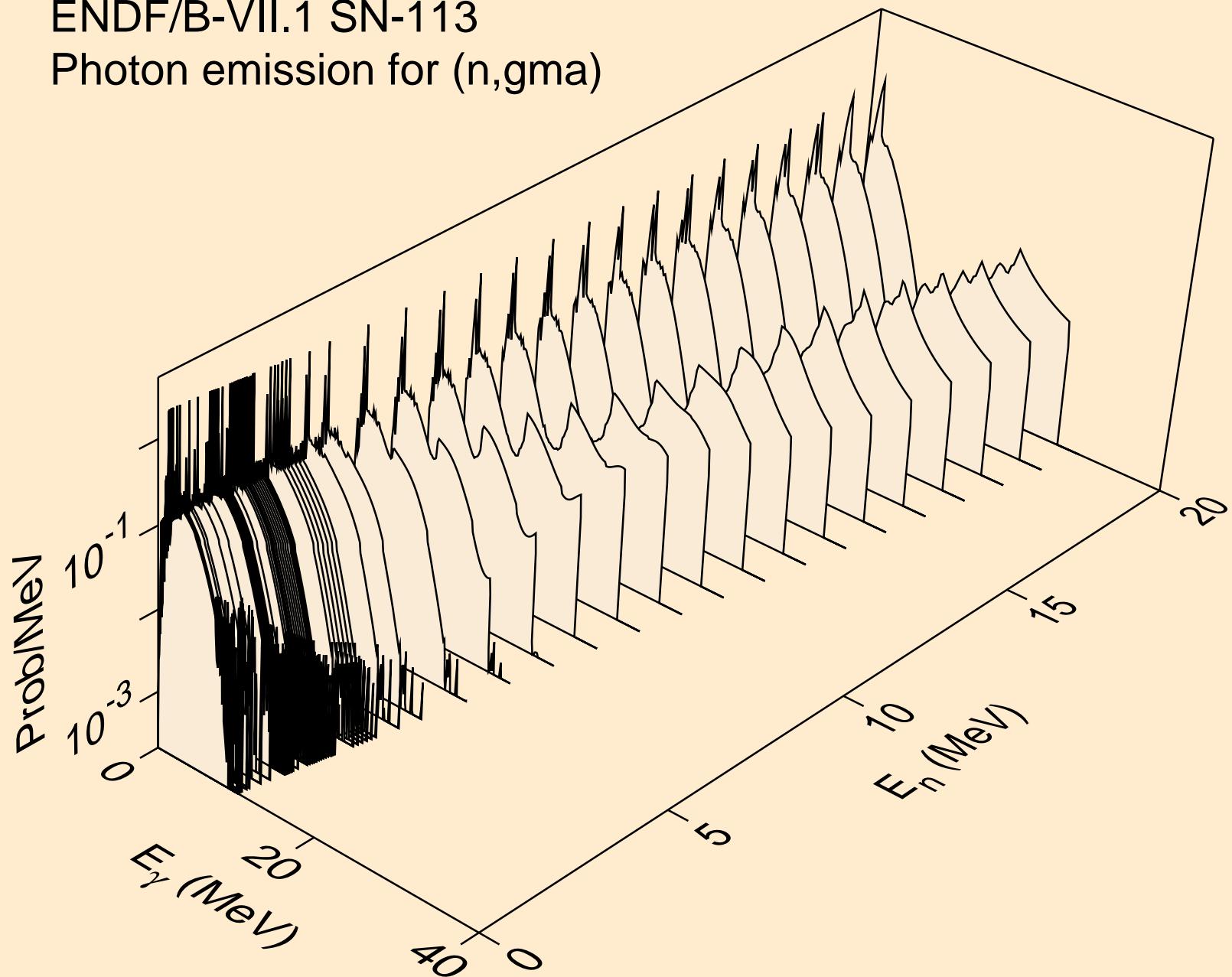
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Photon emission for ( $n, 2np$ )



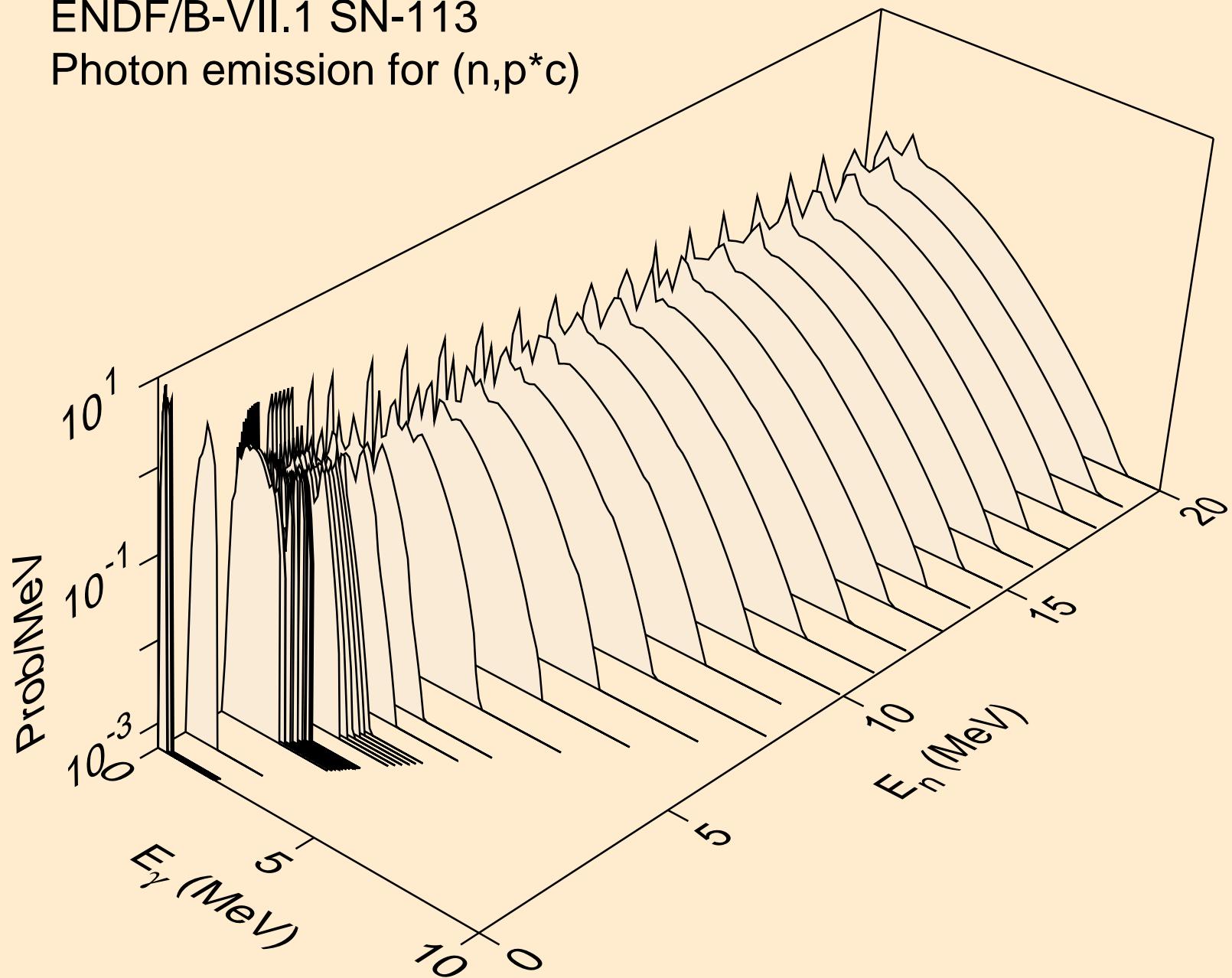
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Photon emission for  $(n, n^* c)$



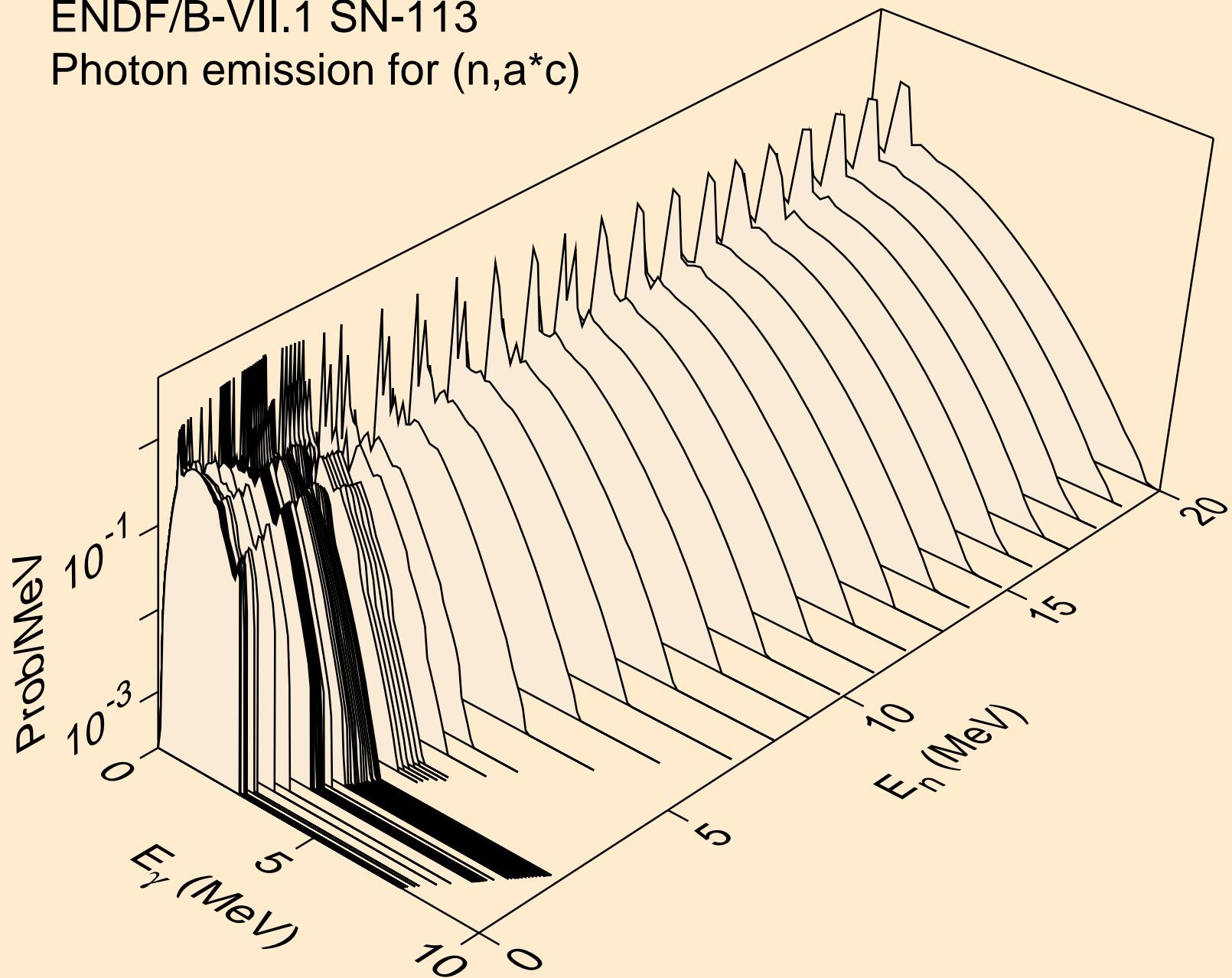
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Photon emission for (n,gma)



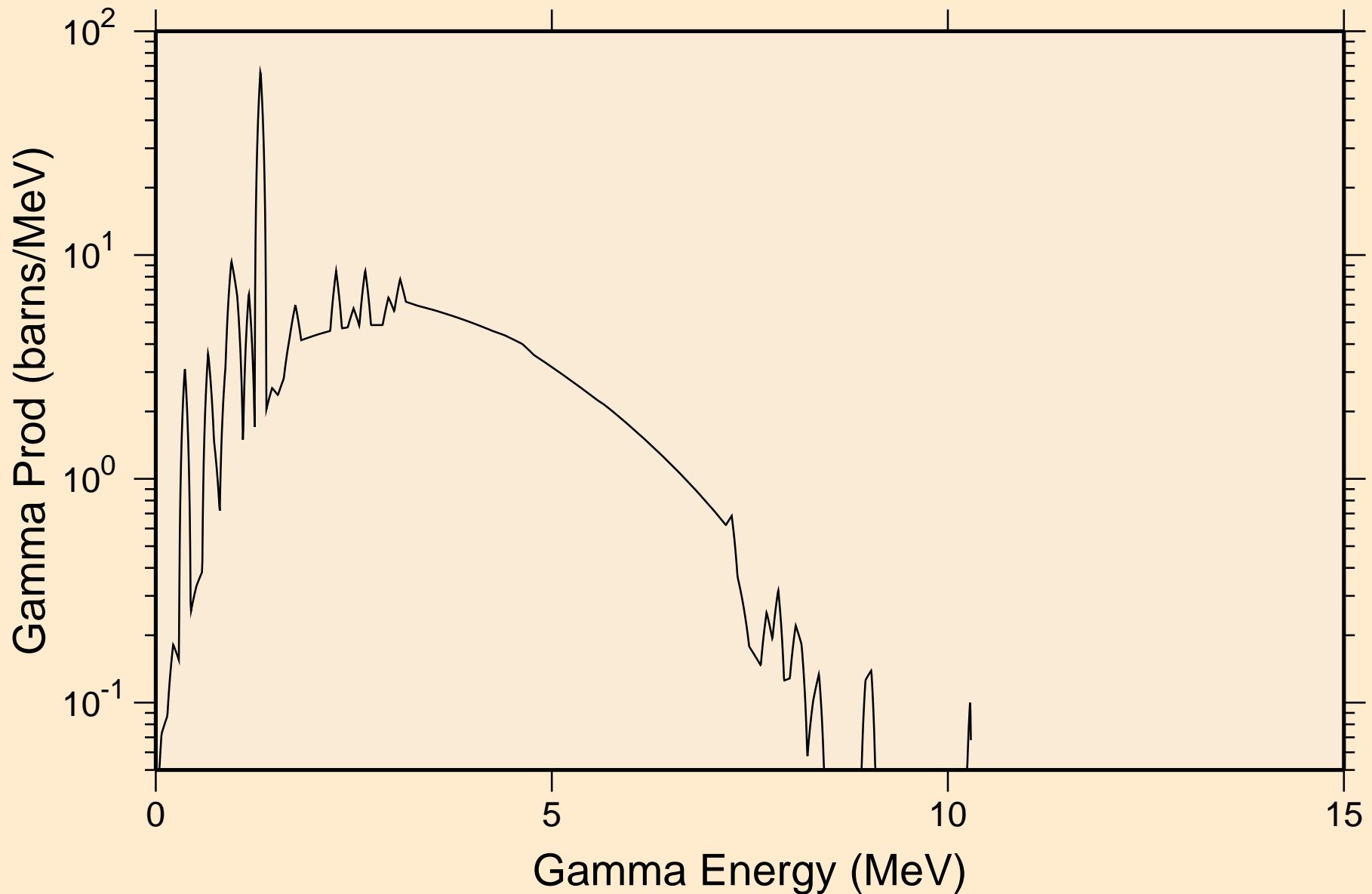
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Photon emission for  $(n, p^* c)$



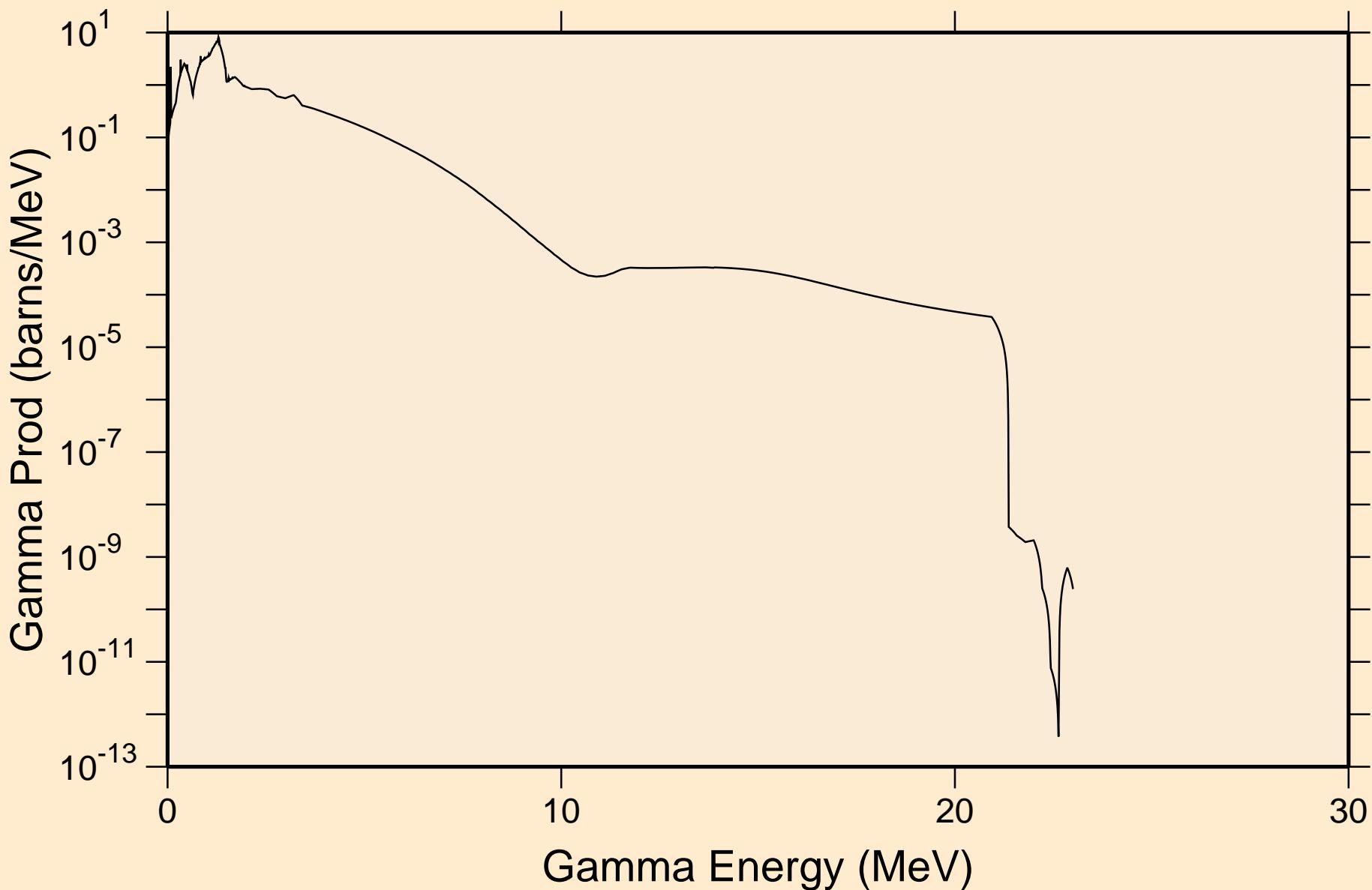
ENDF/B-VII.1 SN-113  
Photon emission for  $(n, a^*c)$



ENDF/B-VII.1 SN-113  
thermal capture photon spectrum

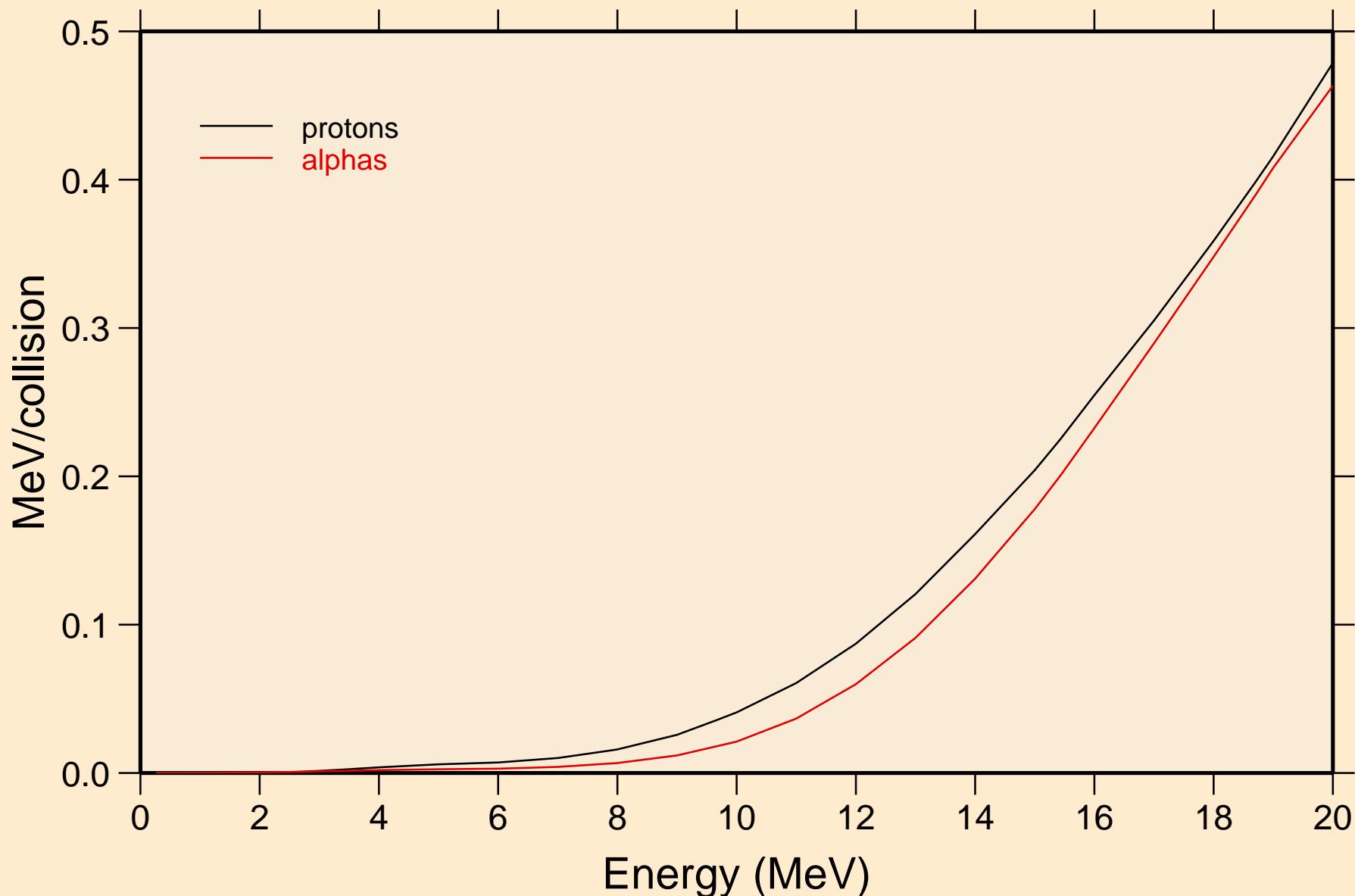


ENDF/B-VII.1 SN-113  
14 MeV photon spectrum



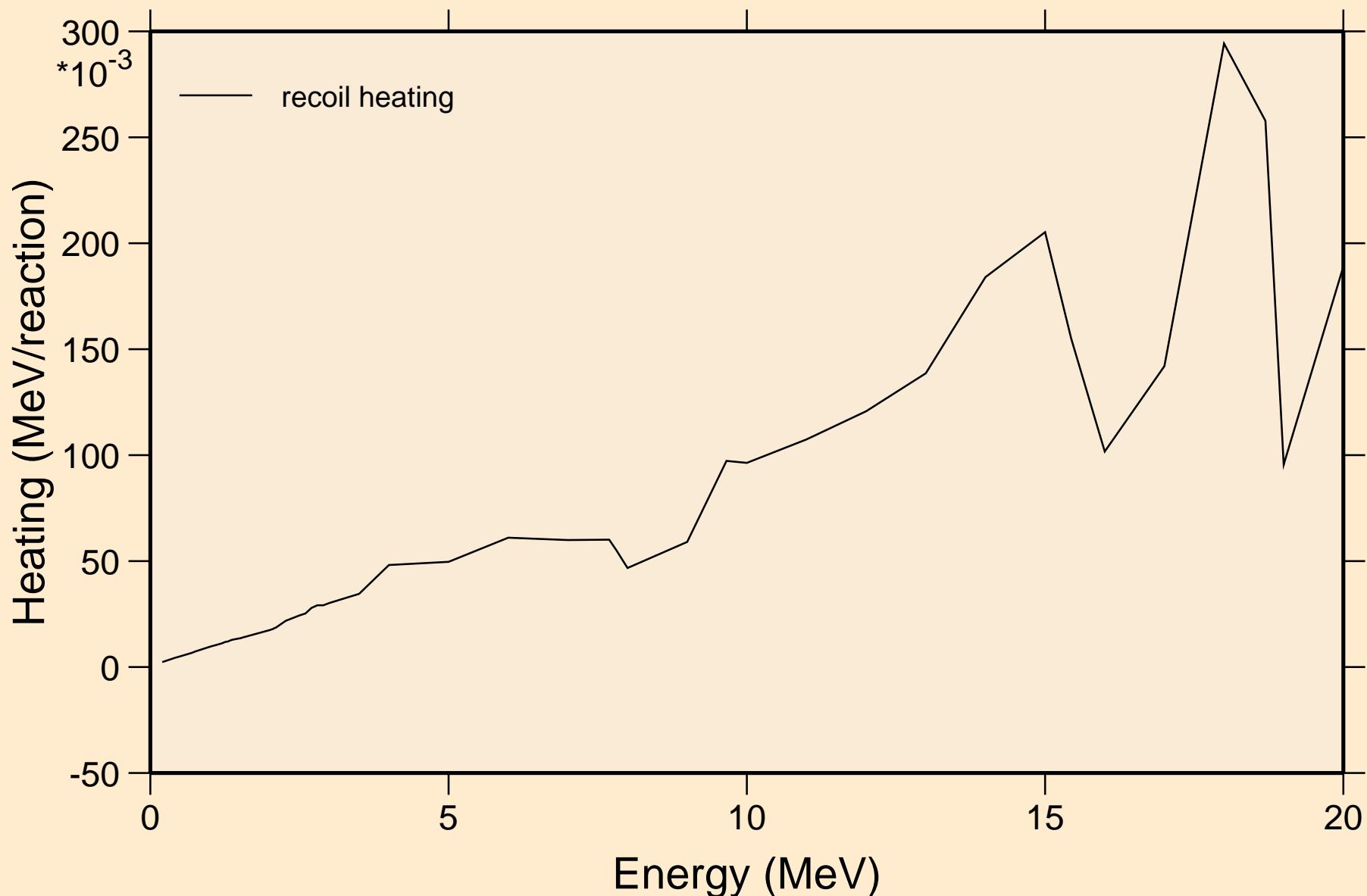
# ENDF/B-VII.1 SN-113

## Particle heating contributions



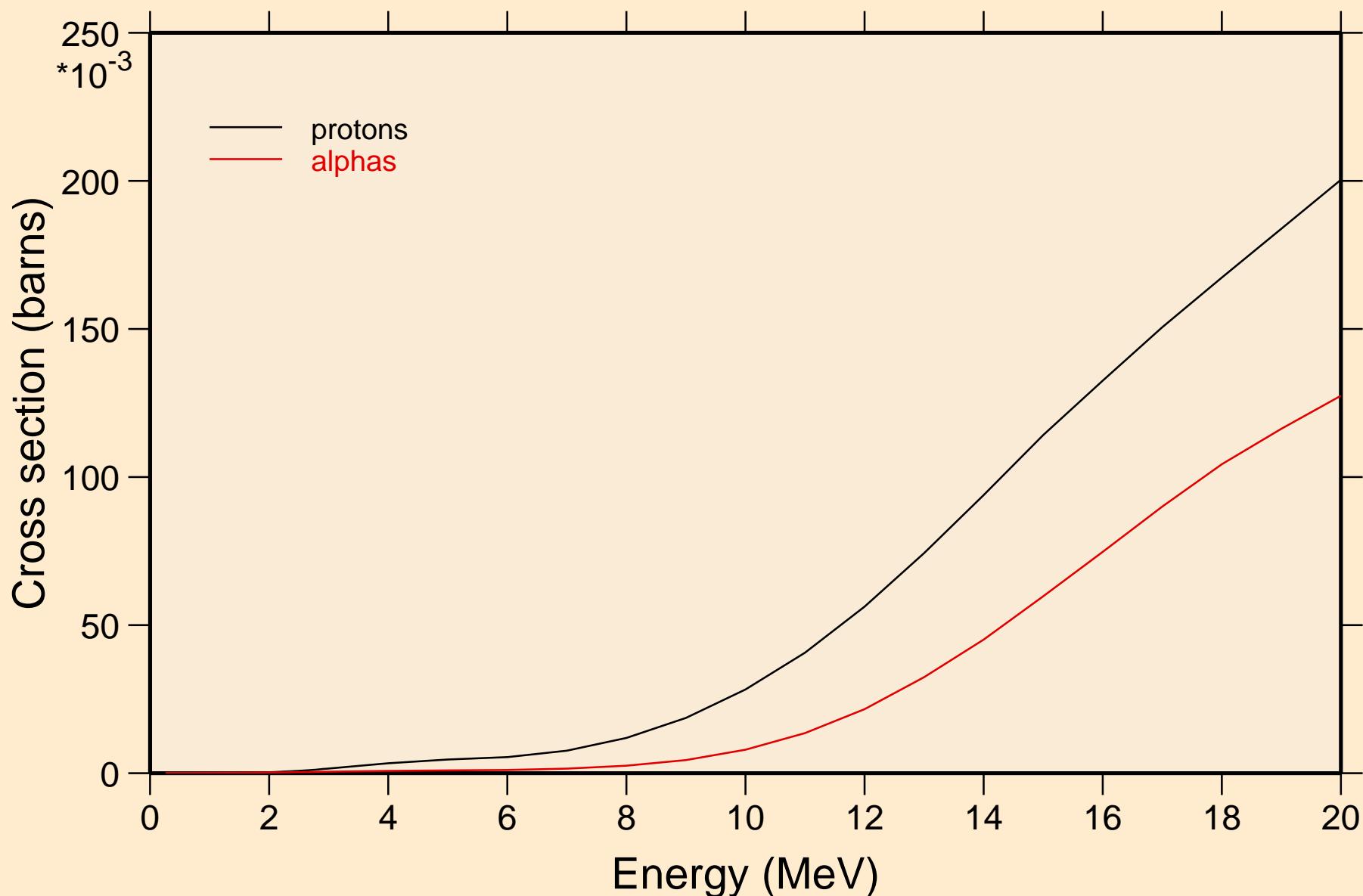
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## Recoil Heating

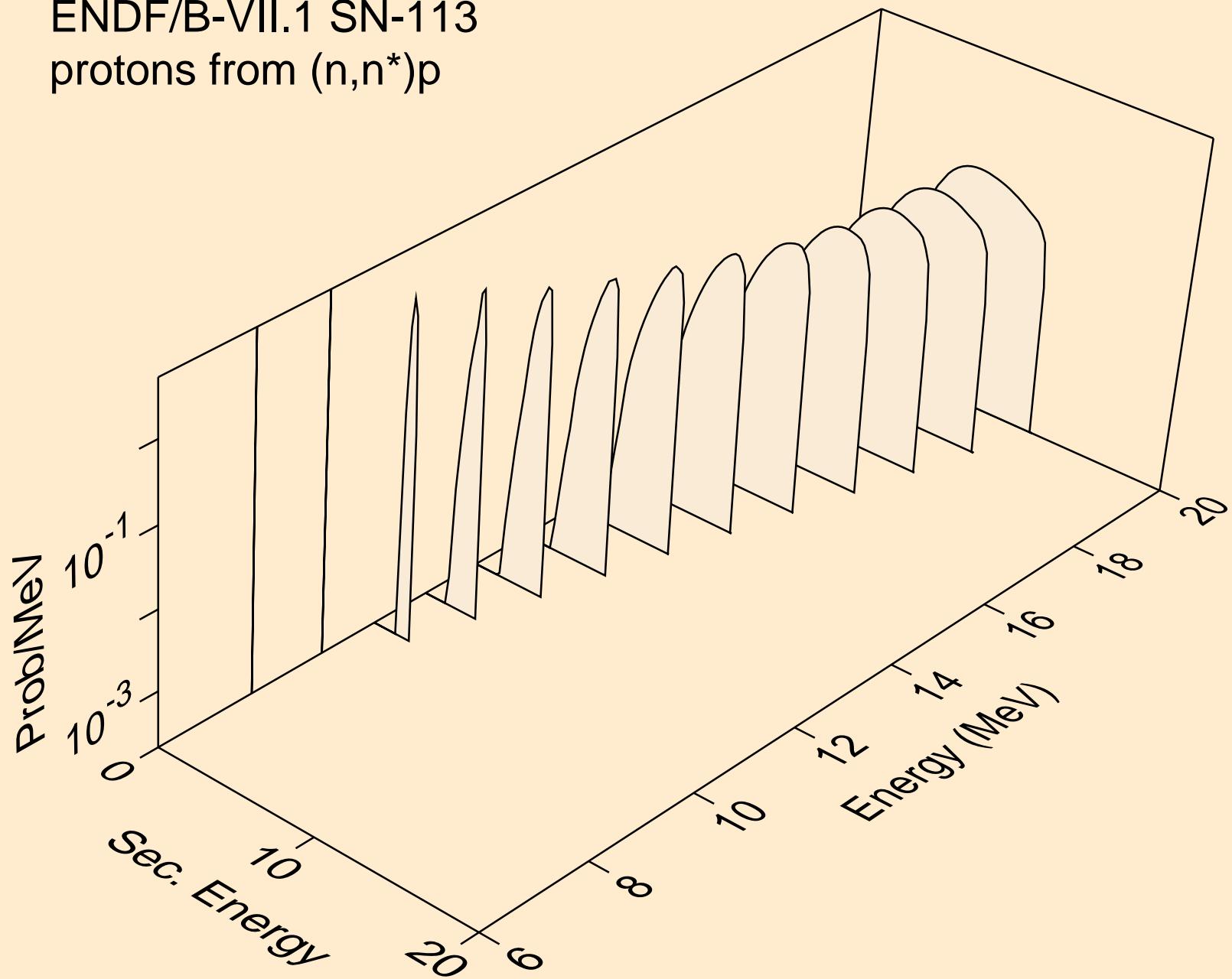


# ENDF/B-VII.1 SN-113

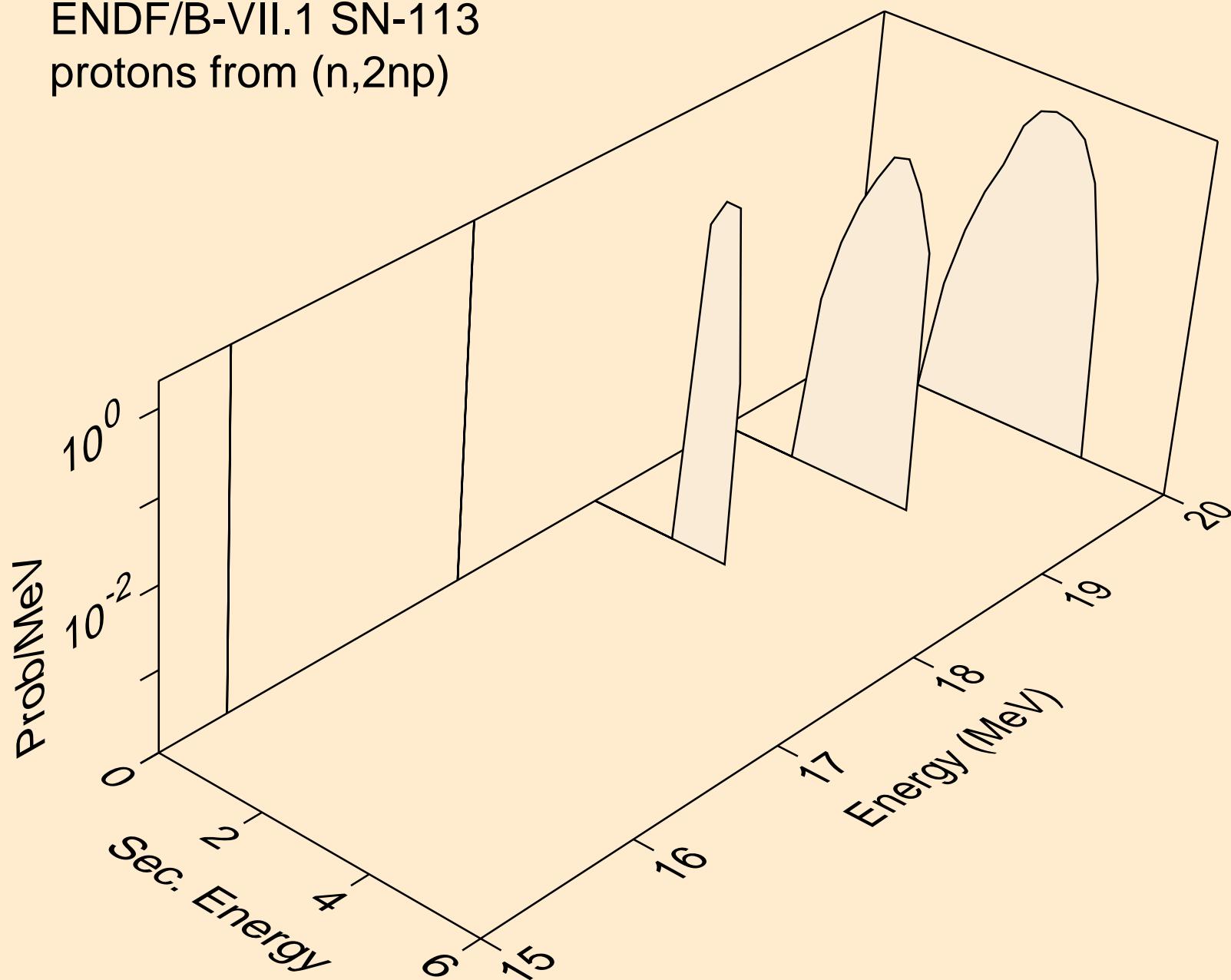
## Particle production cross sections



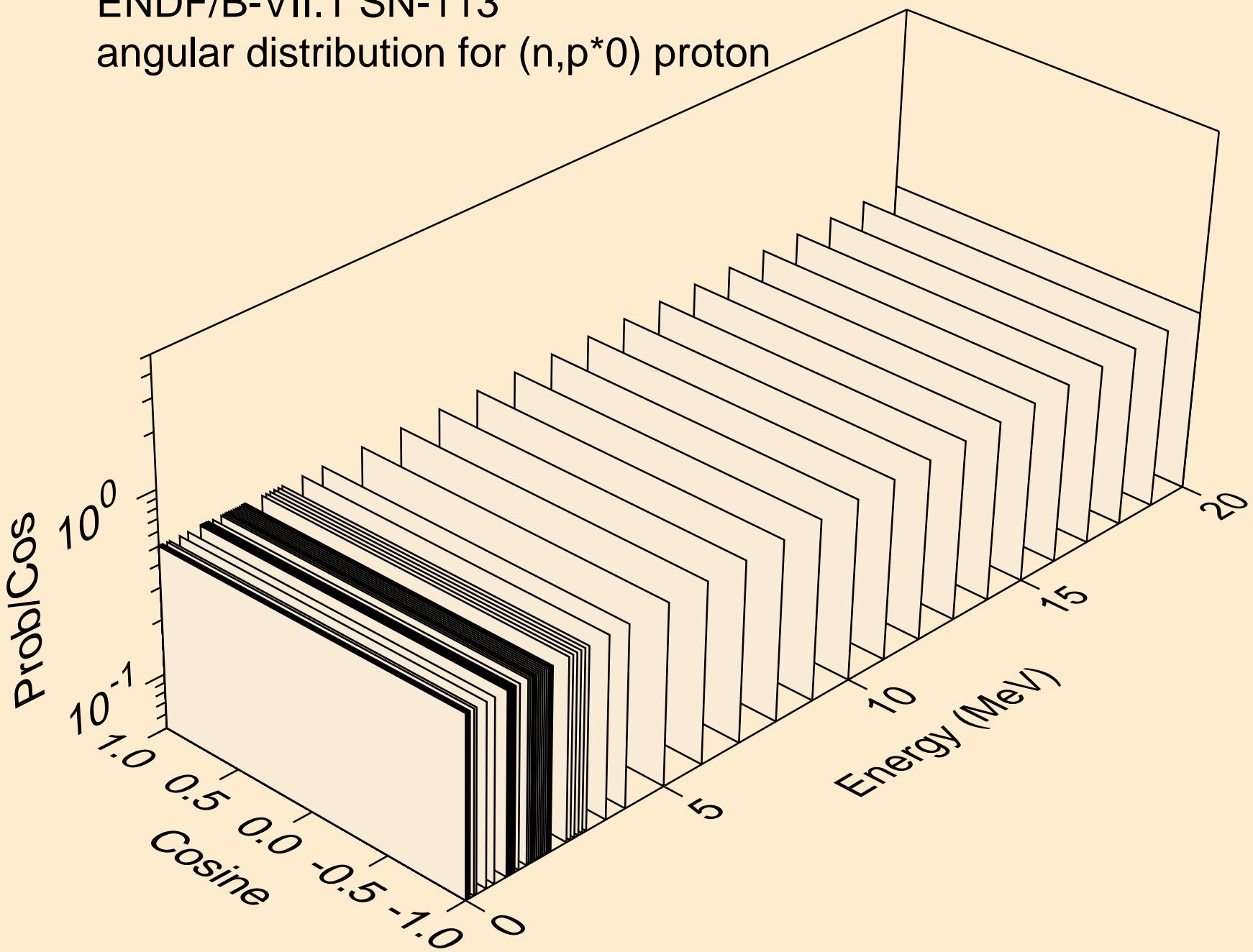
ENDF/B-VII.1 SN-113  
protons from  $(n,n^*)p$



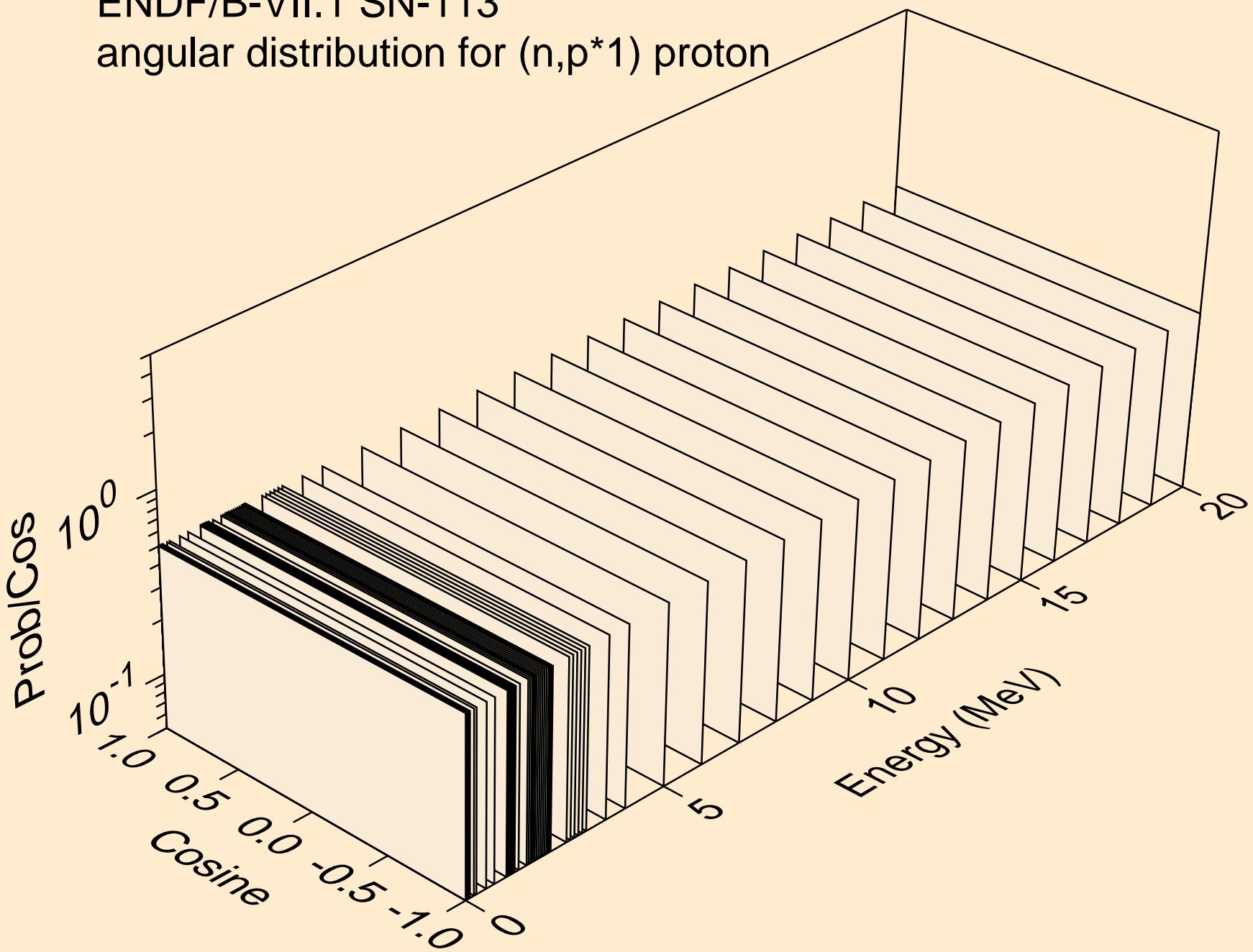
ENDF/B-VII.1 SN-113  
protons from ( $n,2np$ )



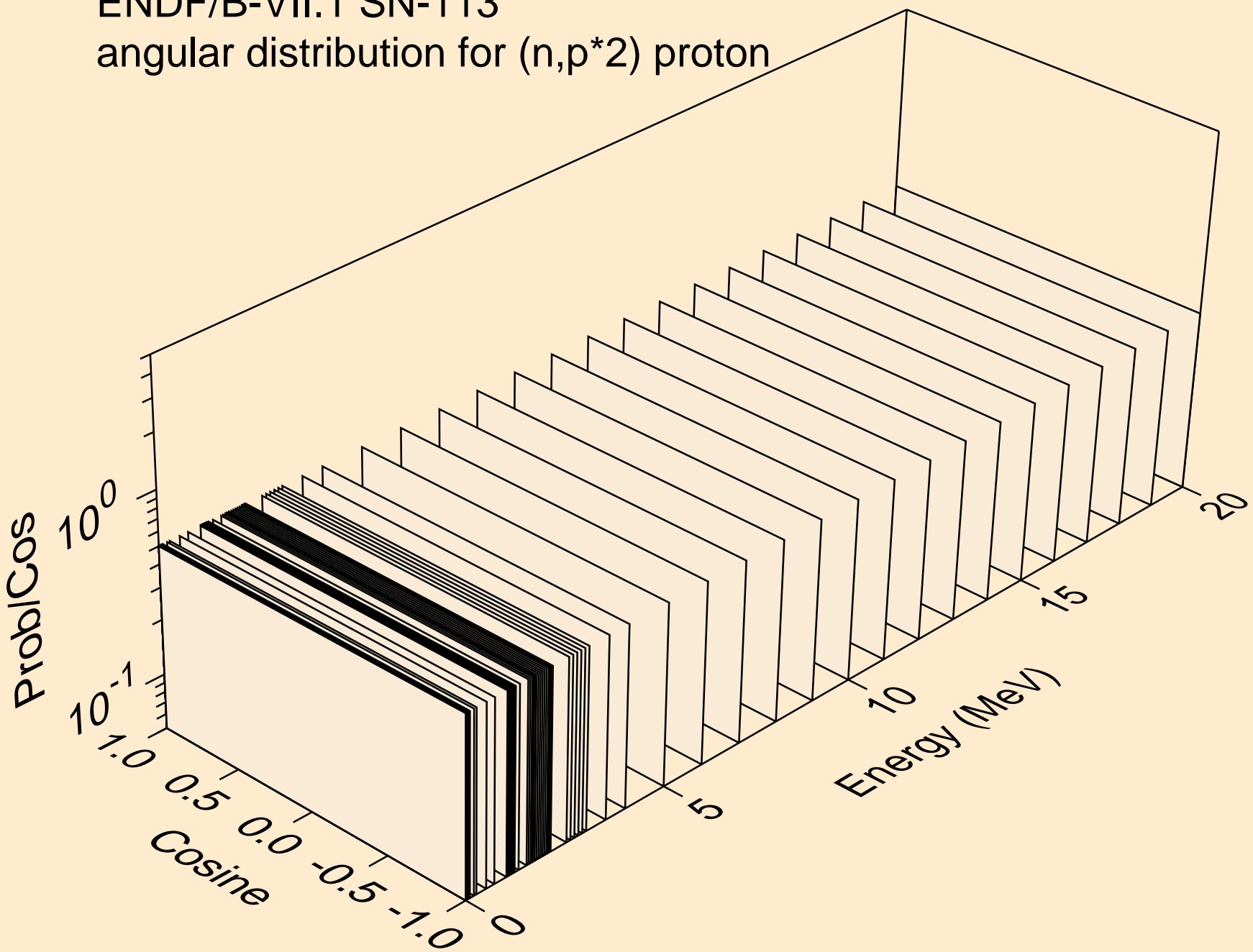
ENDF/B-VII.1 SN-113  
angular distribution for  $(n,p^*0)$  proton



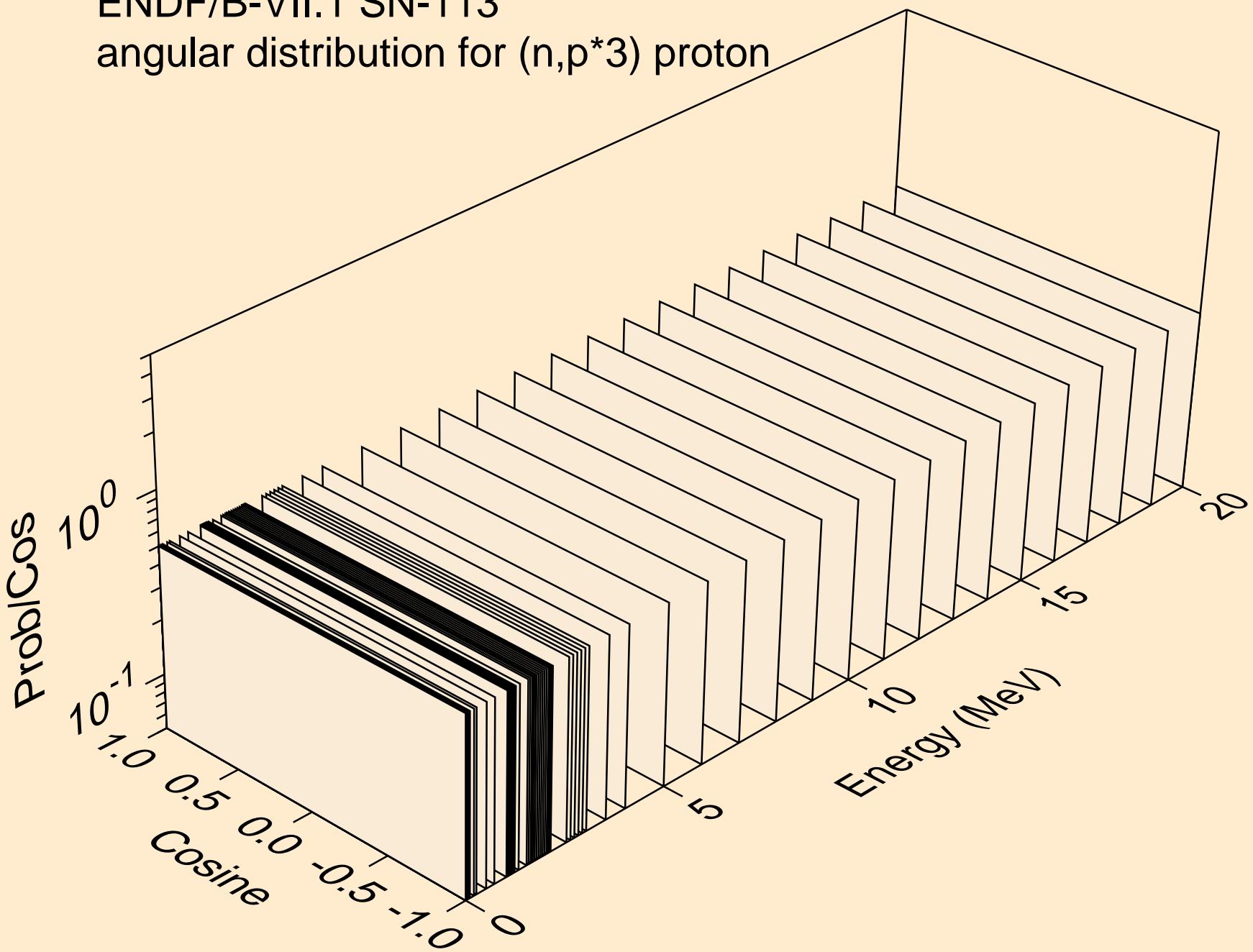
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angular distribution for ( $n,p^*1$ ) proton



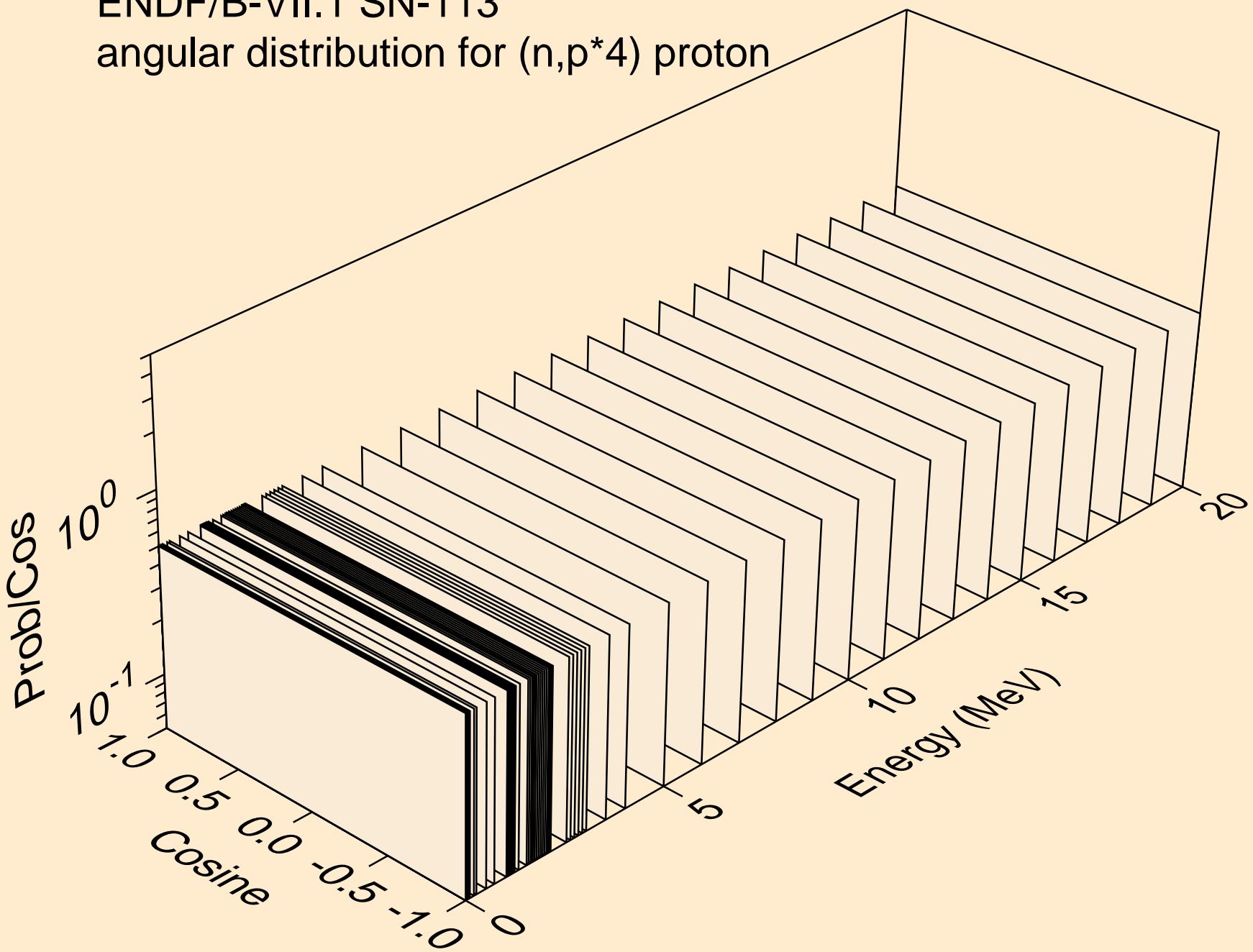
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angular distribution for  $(n,p^*2)$  proton



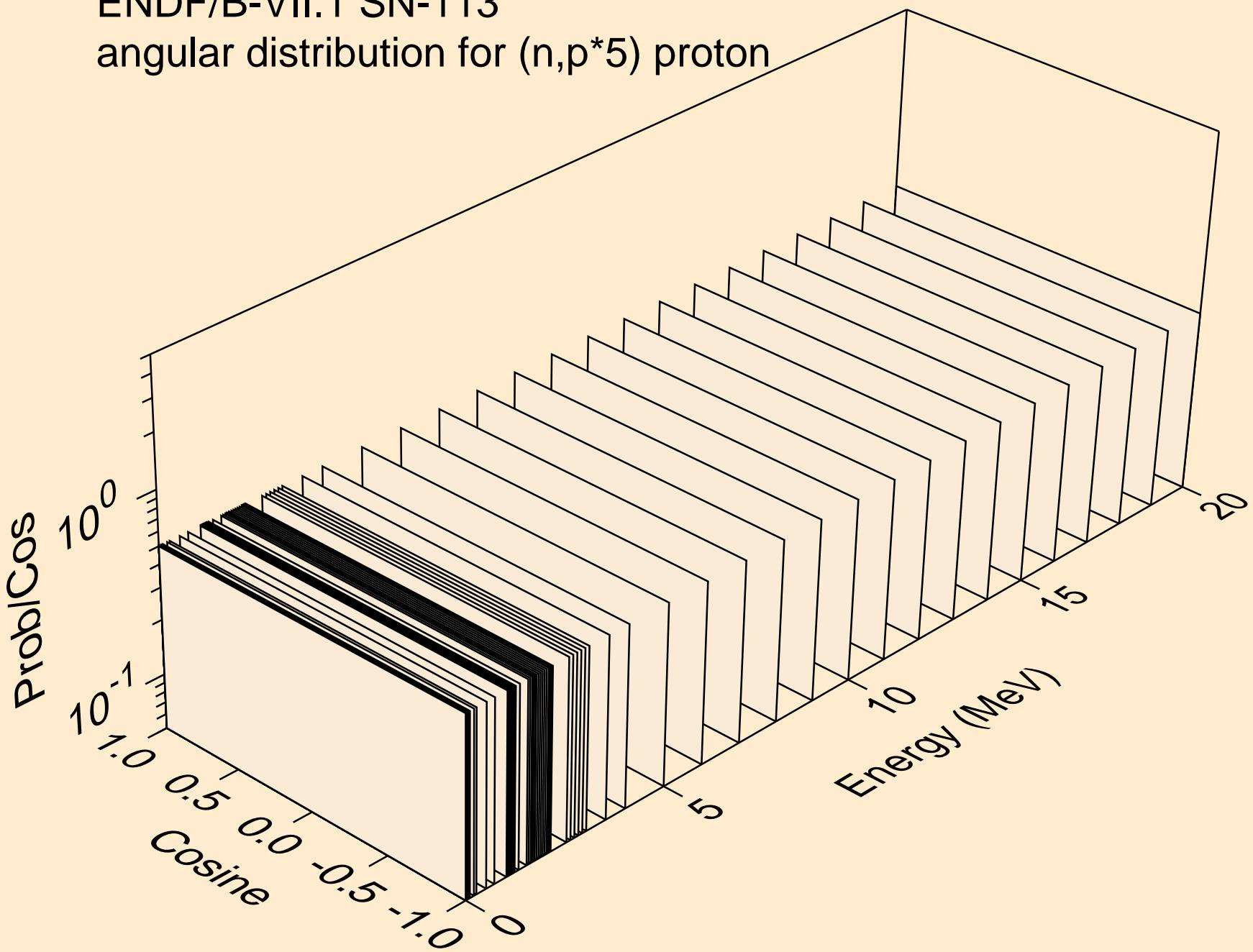
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angular distribution for  $(n,p^*3)$  proton



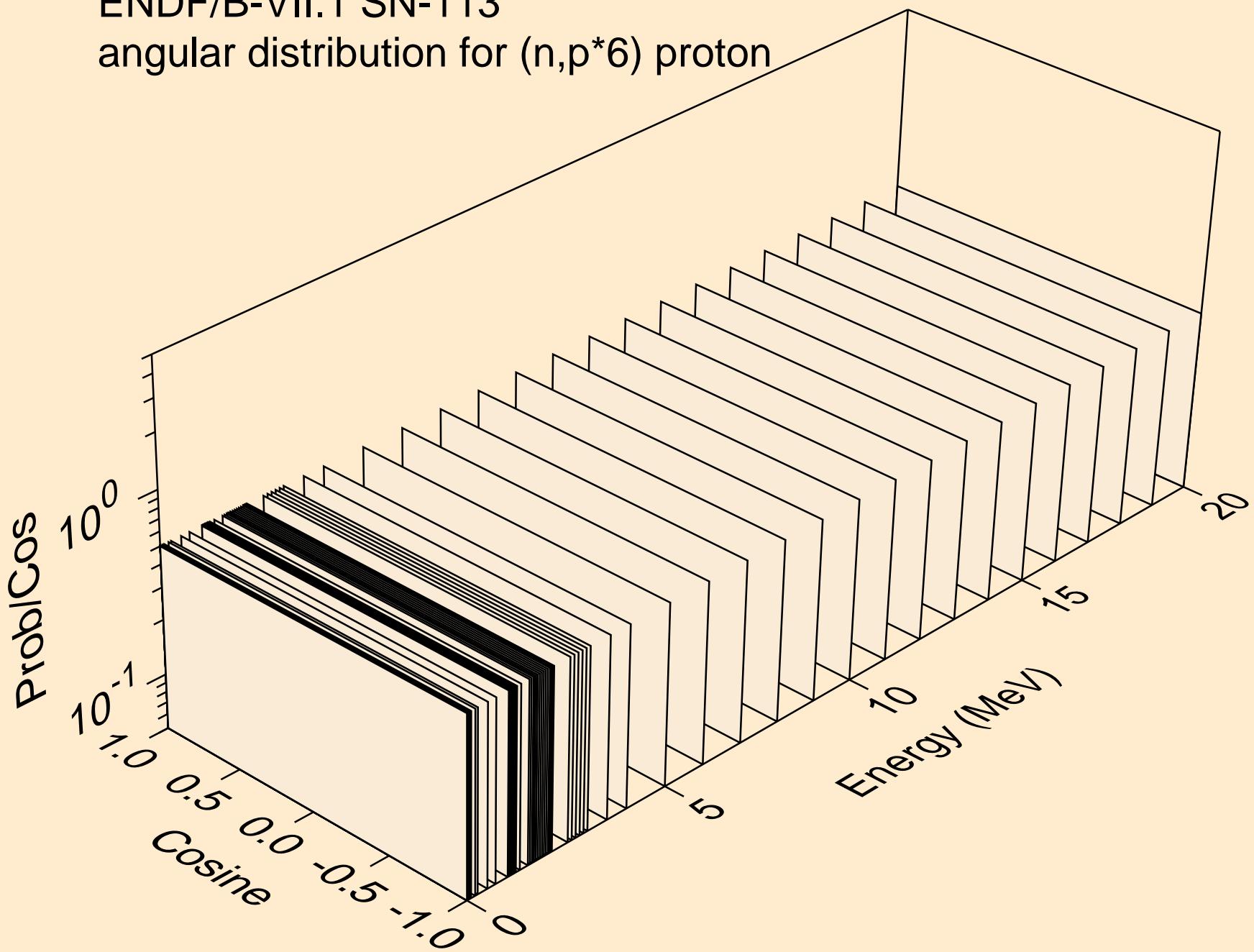
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angular distribution for  $(n,p^*4)$  proton



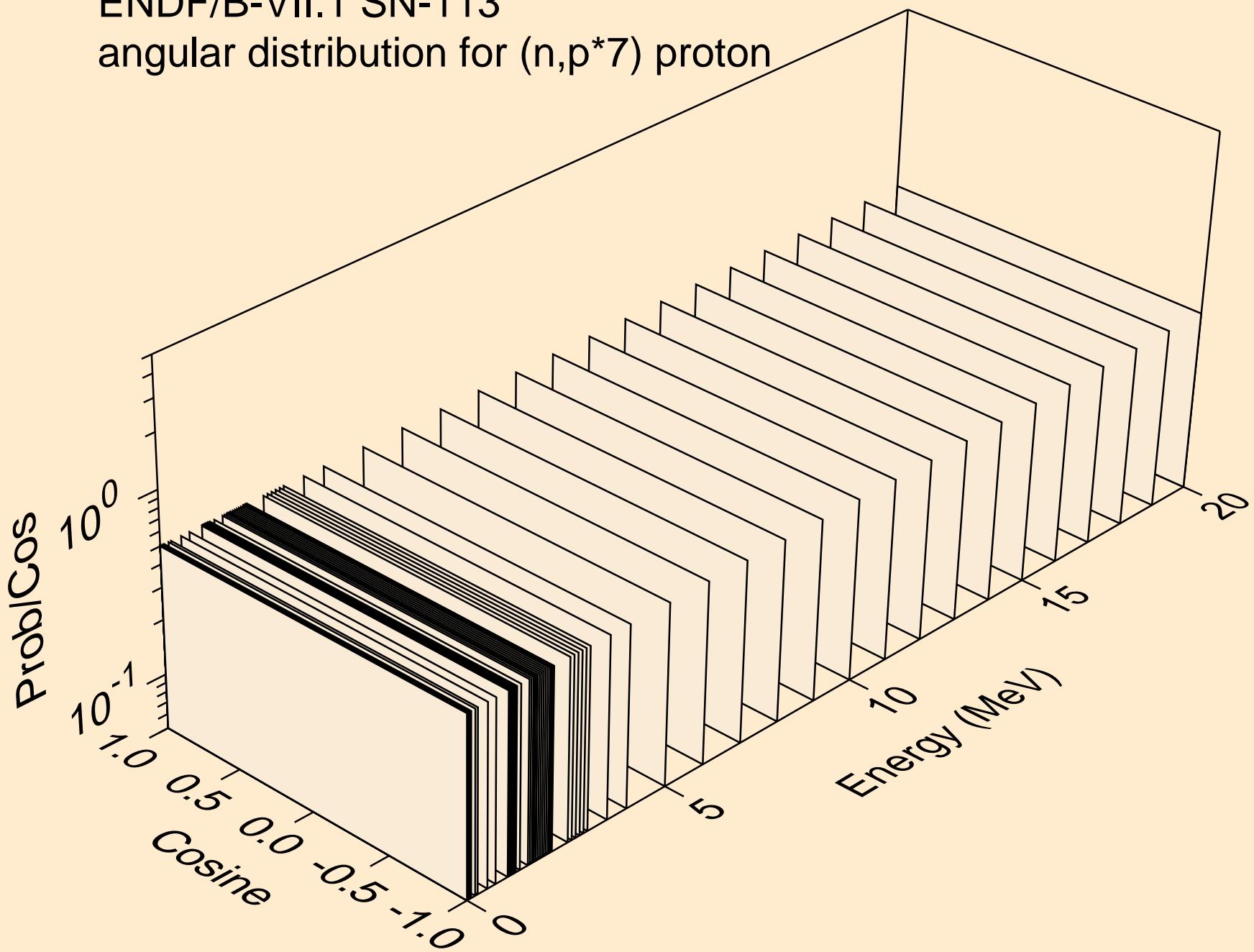
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angular distribution for  $(n,p^*5)$  proton



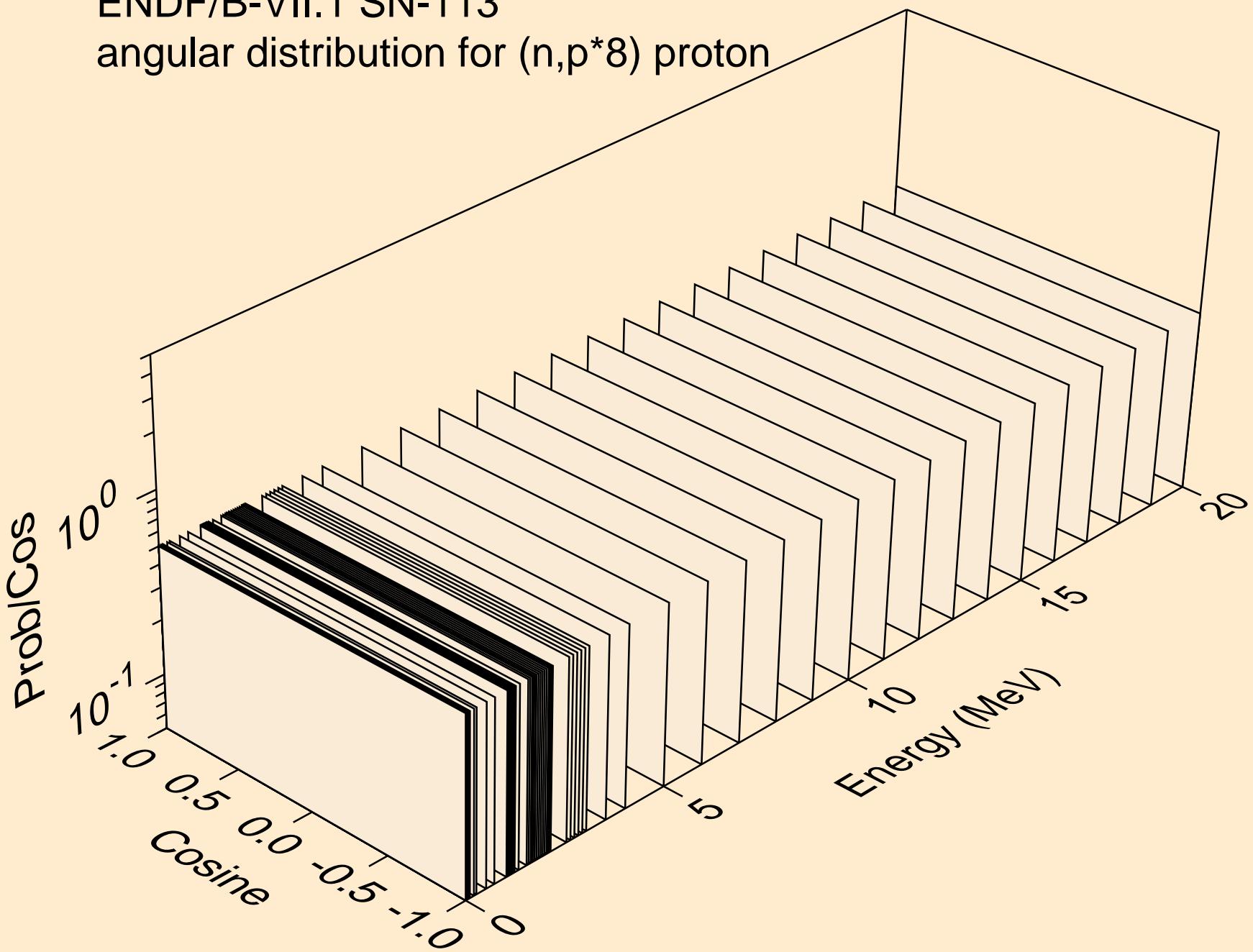
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angular distribution for  $(n,p^*6)$  proton



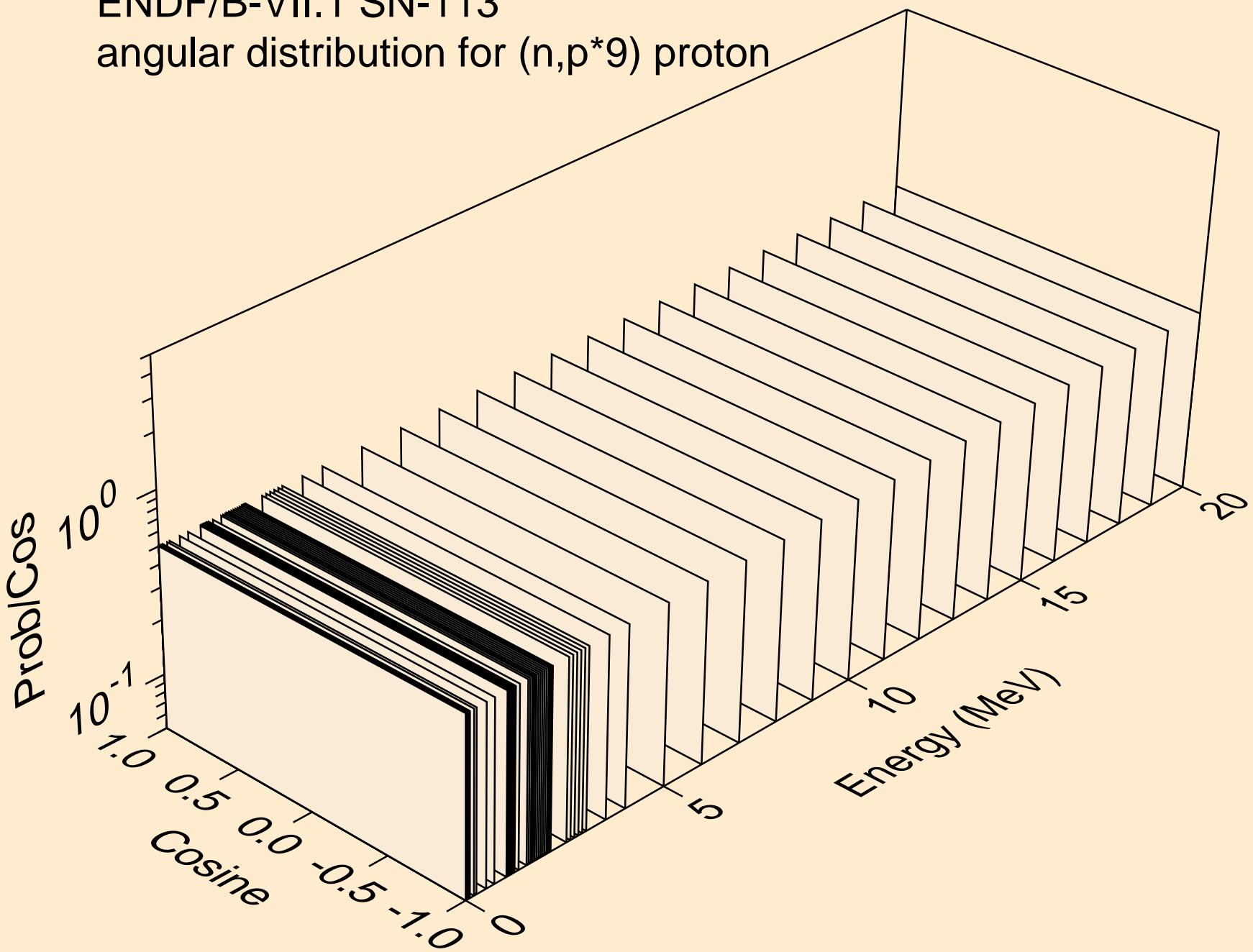
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angular distribution for  $(n,p^*7)$  proton



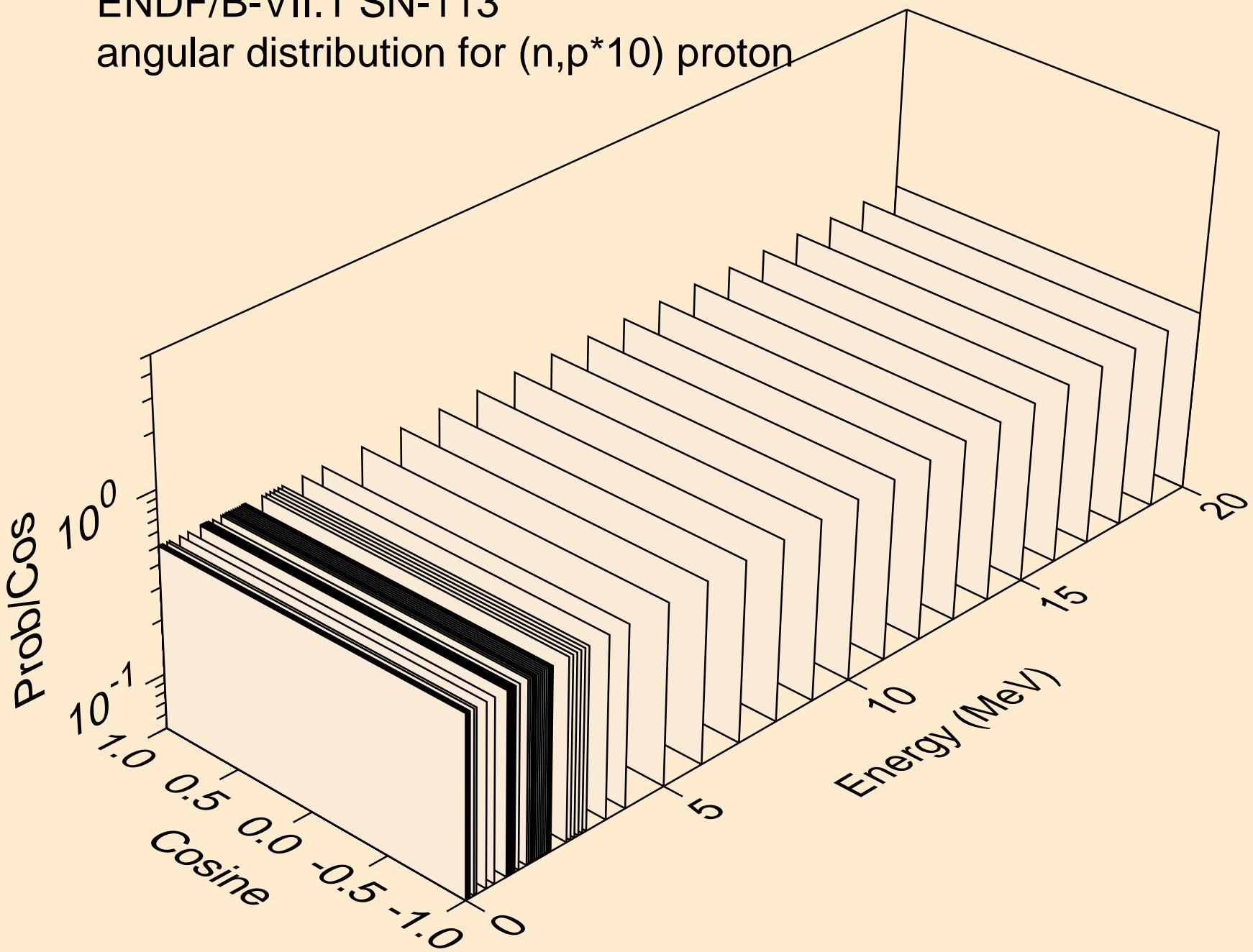
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angular distribution for  $(n,p^*8)$  proton



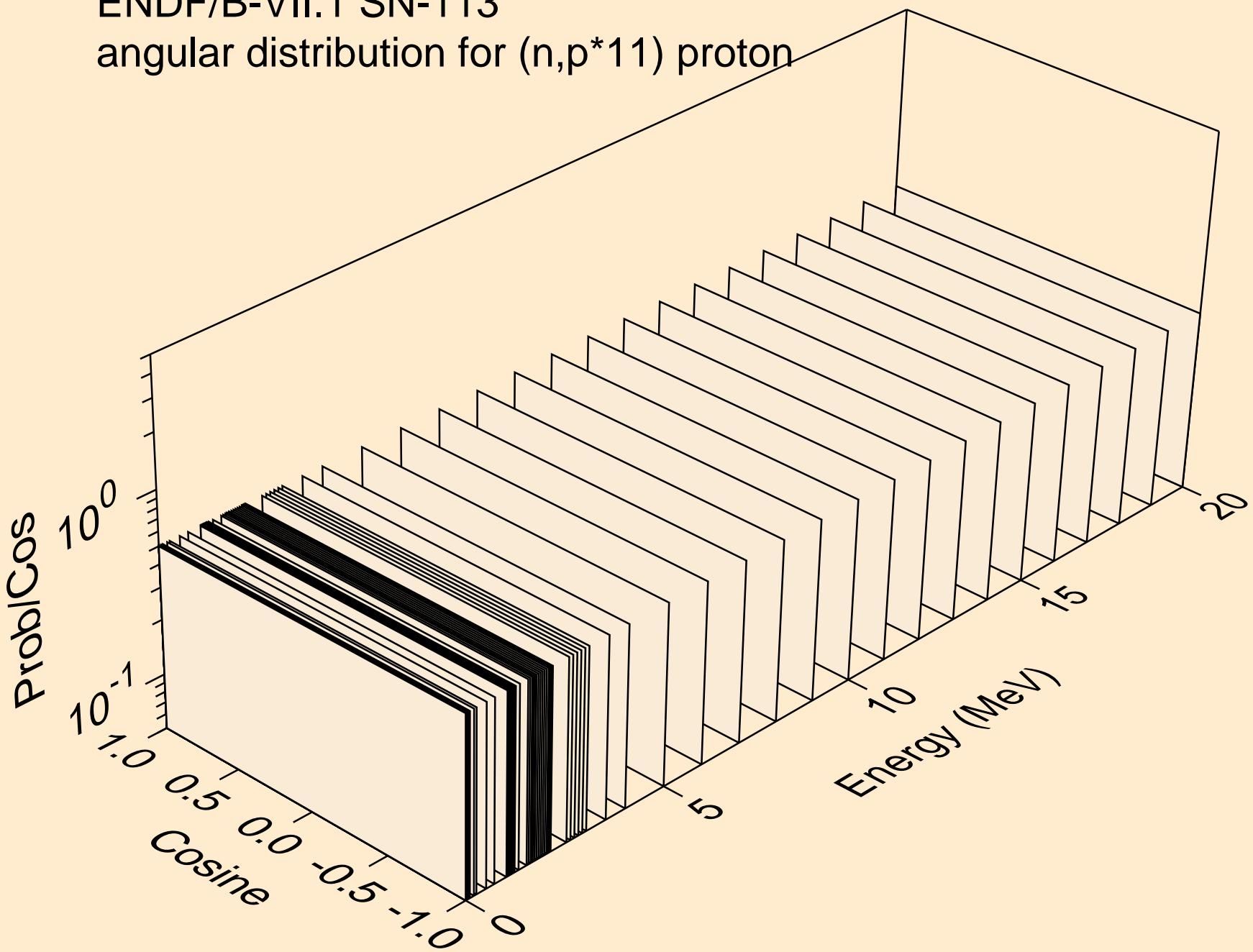
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angular distribution for  $(n,p^*9)$  proton



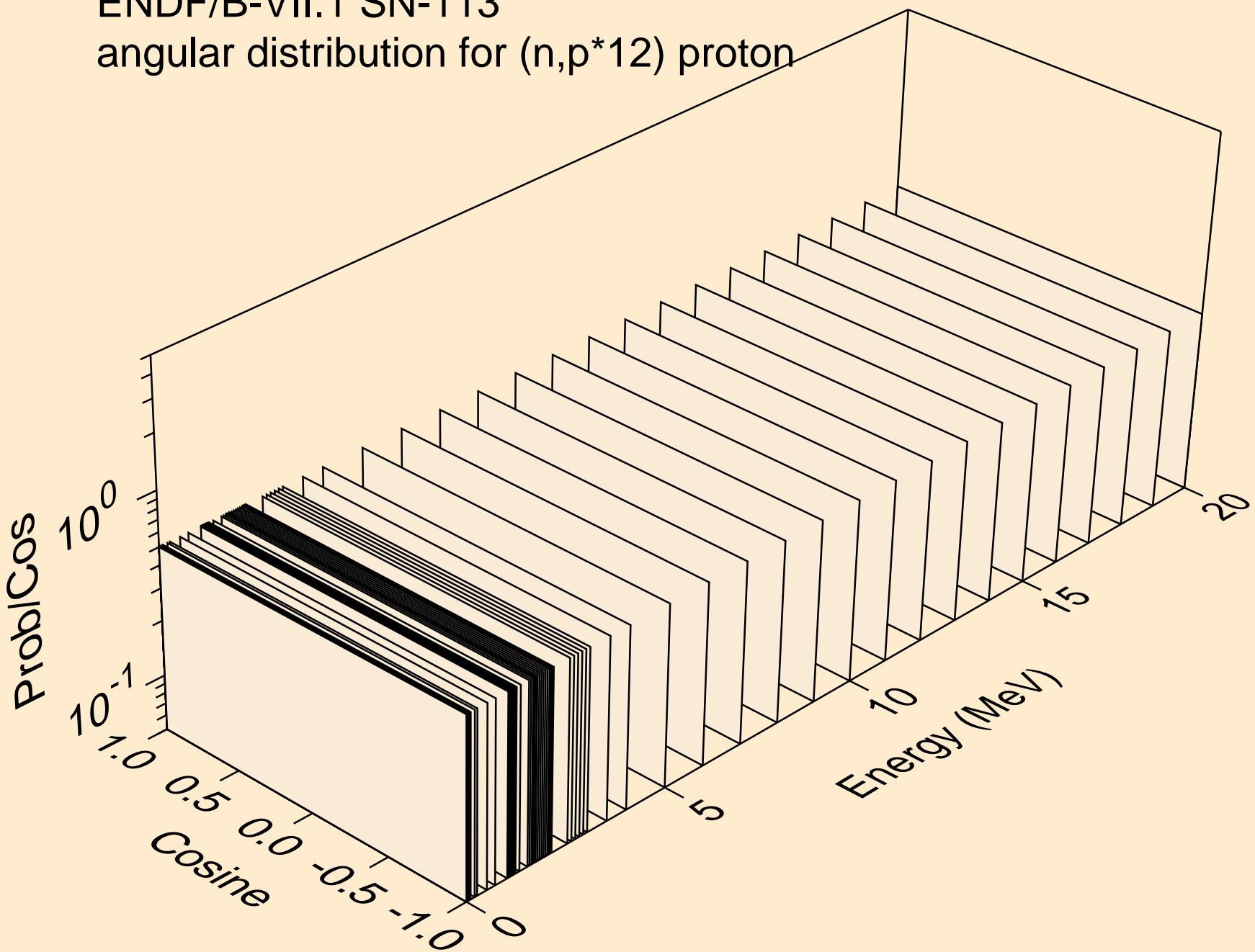
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angular distribution for ( $n,p^*10$ ) proton



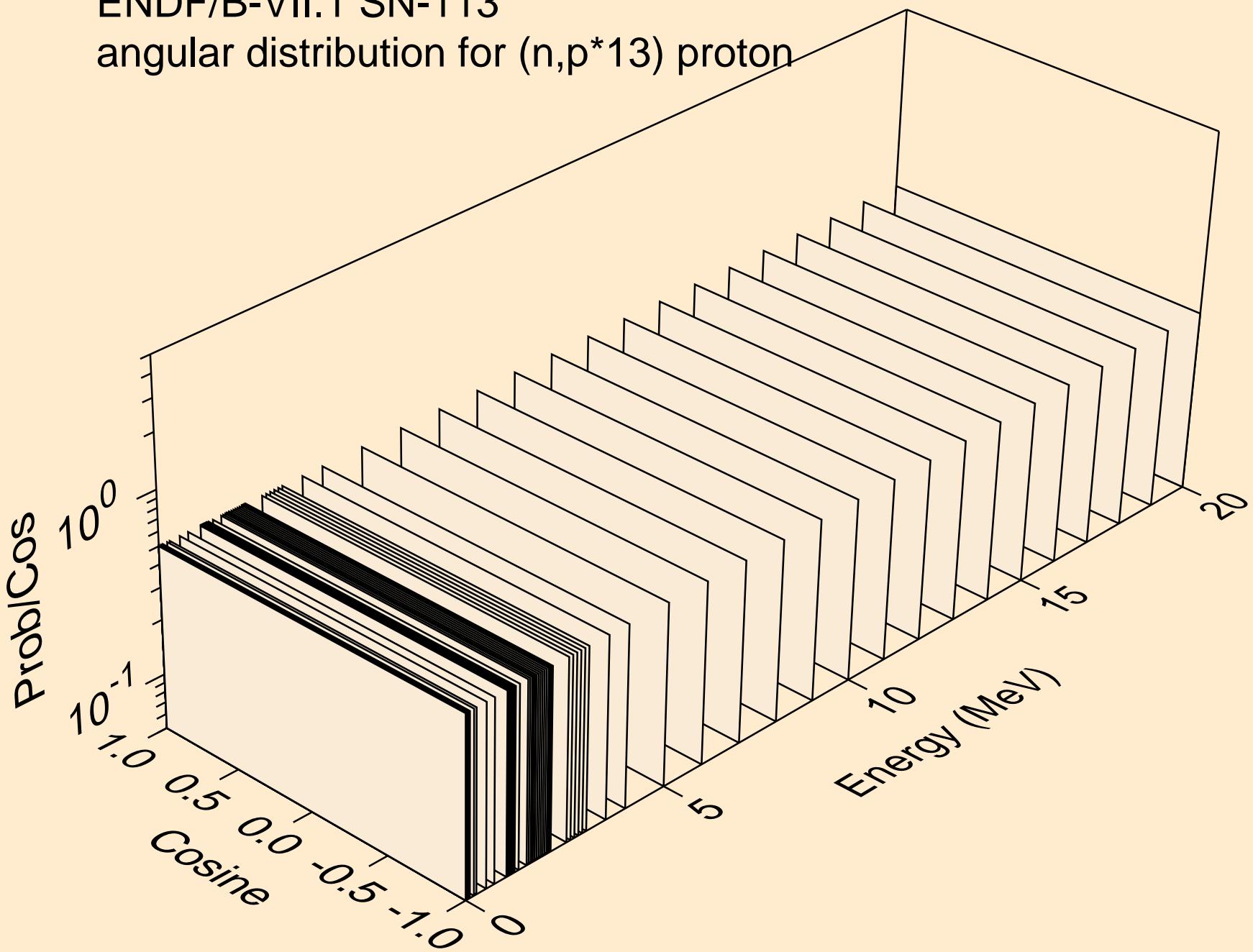
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angular distribution for ( $n,p^*11$ ) proton



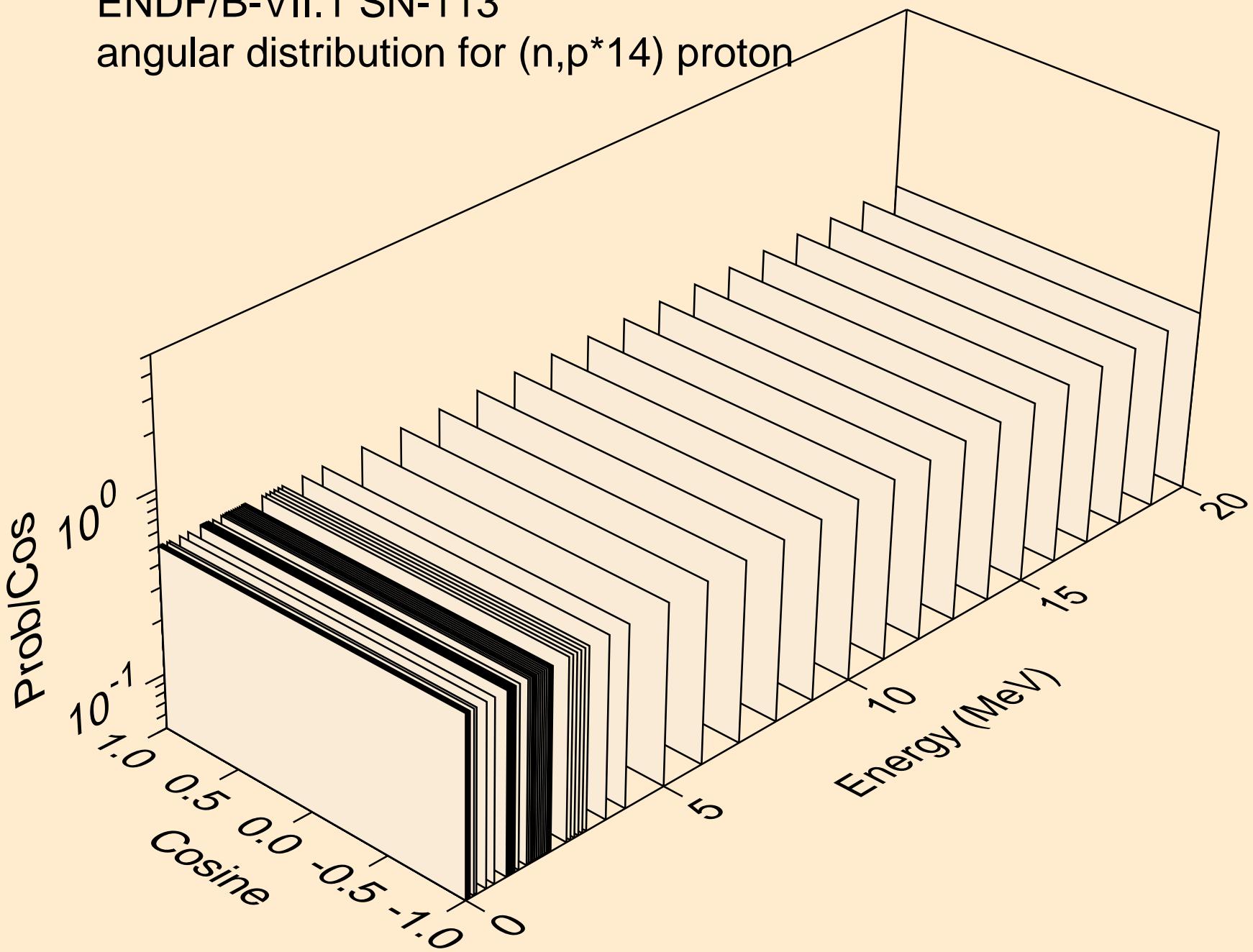
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angular distribution for ( $n,p^*12$ ) proton



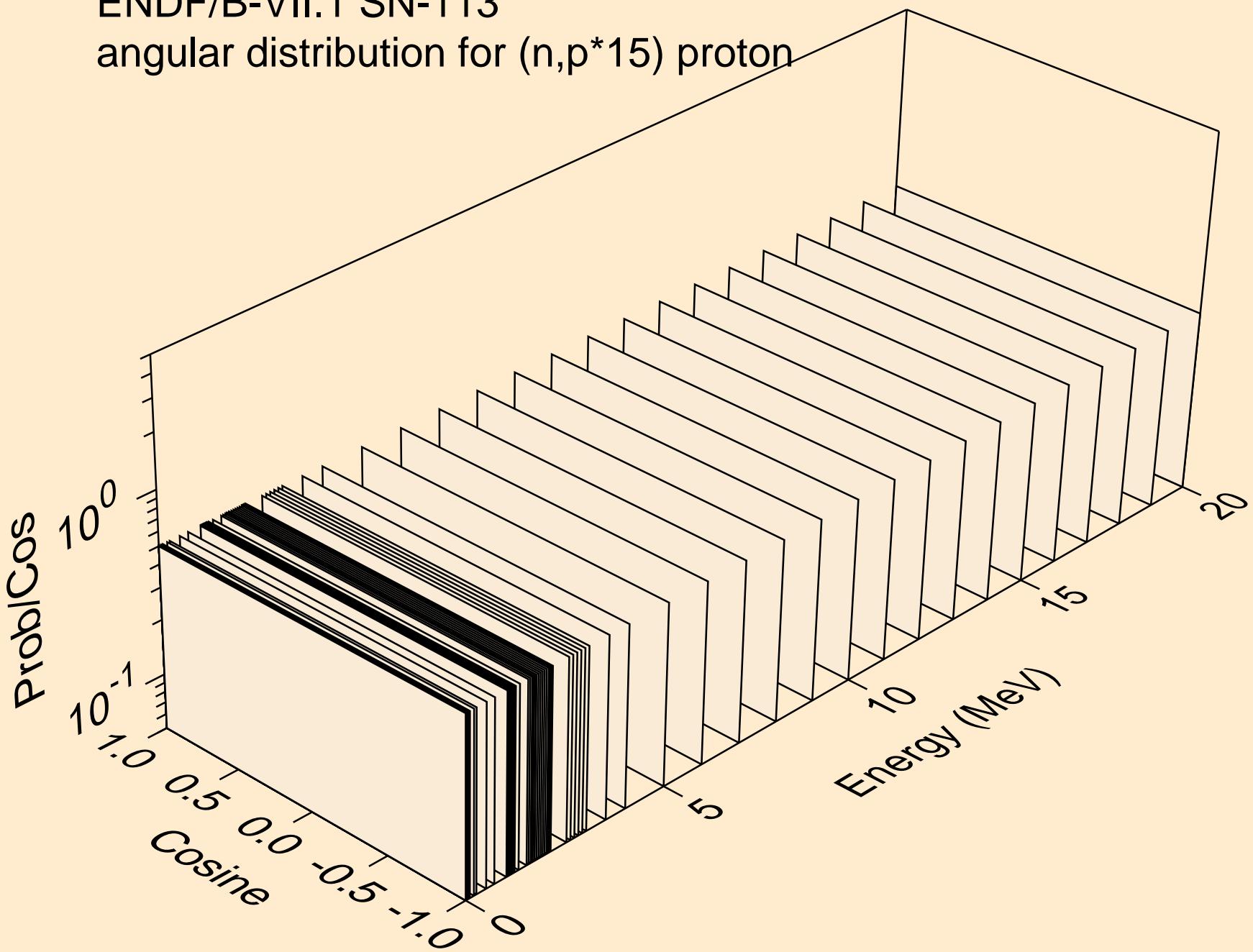
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angular distribution for ( $n,p^*13$ ) proton



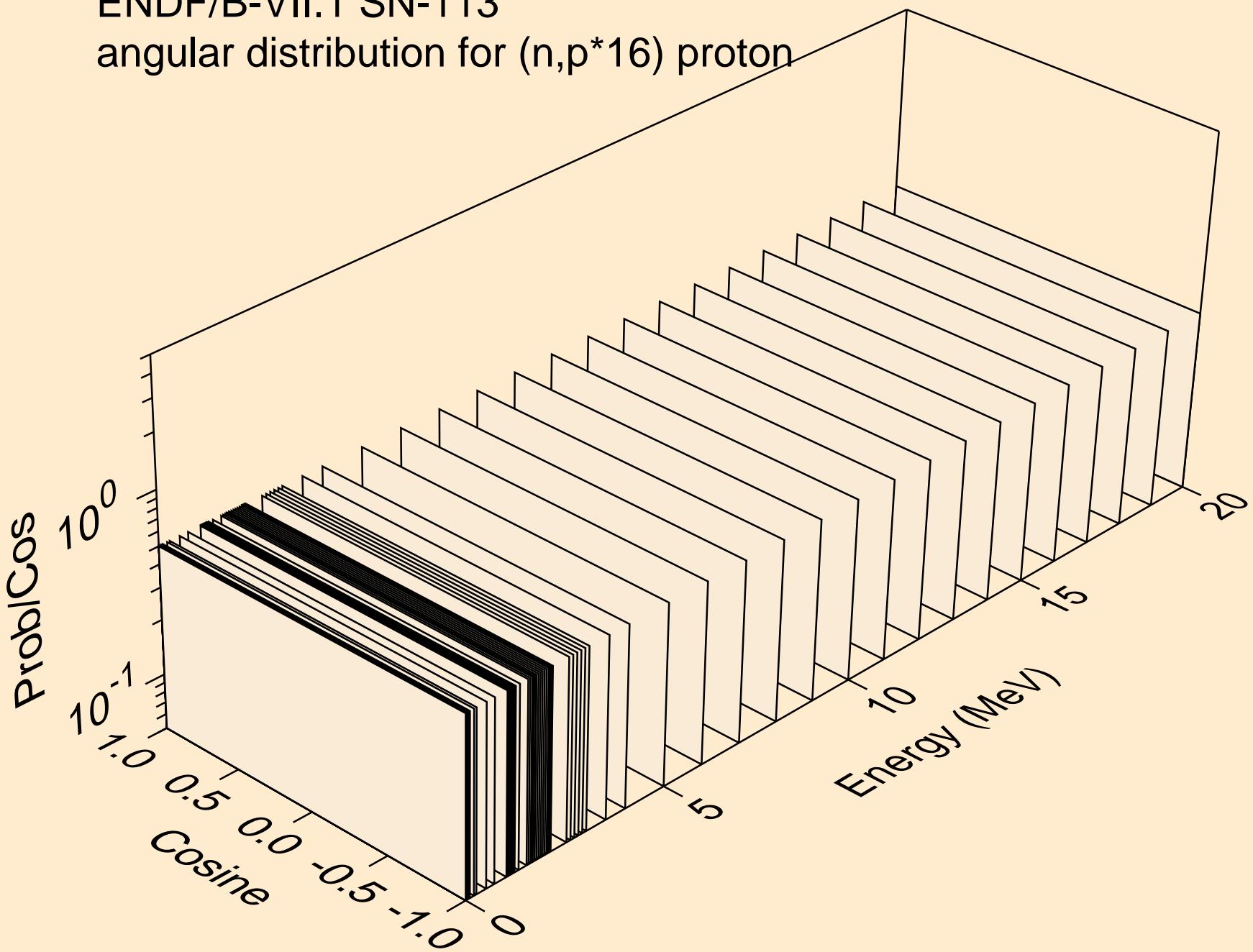
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angular distribution for ( $n,p^*14$ ) proton



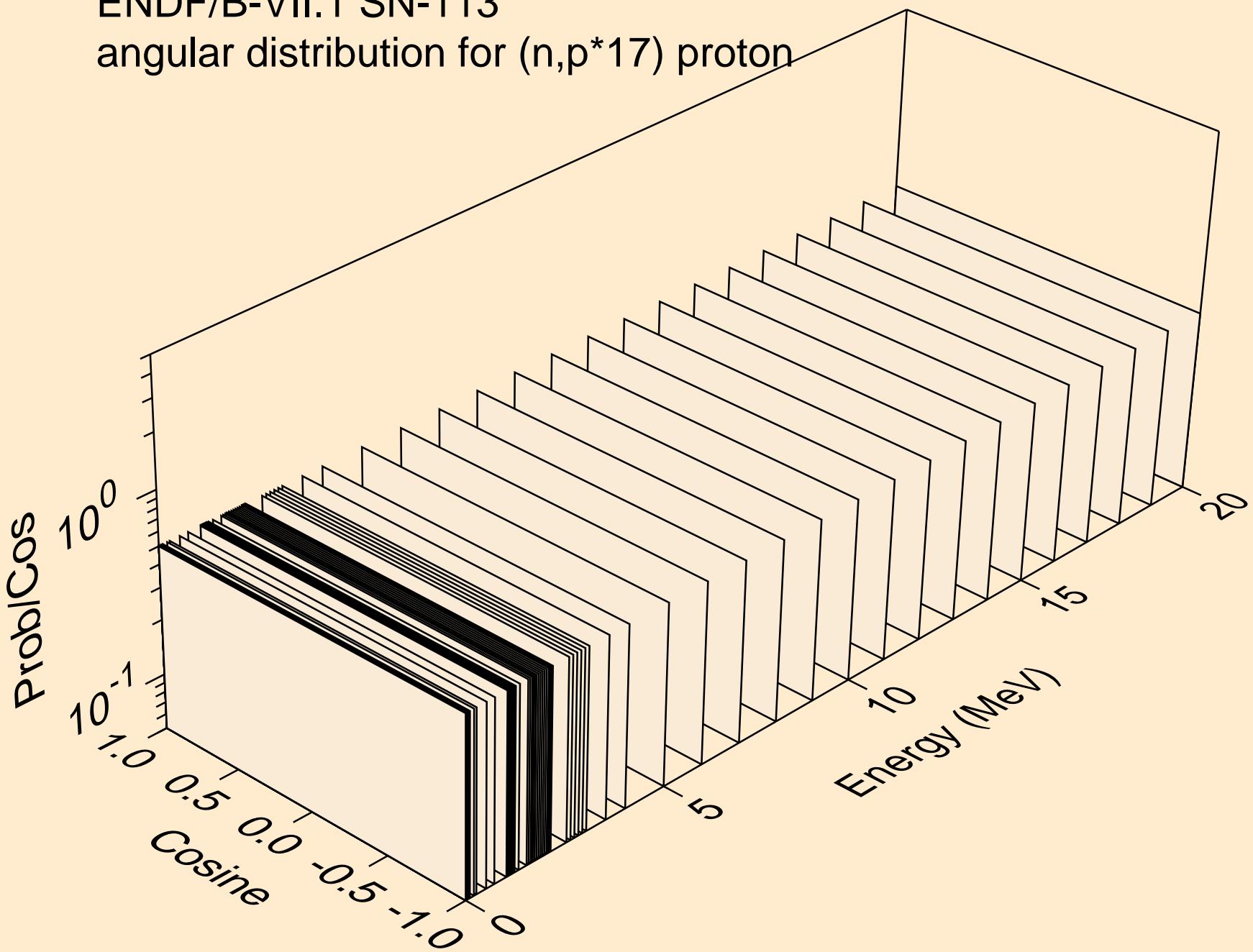
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angular distribution for ( $n,p^*15$ ) proton



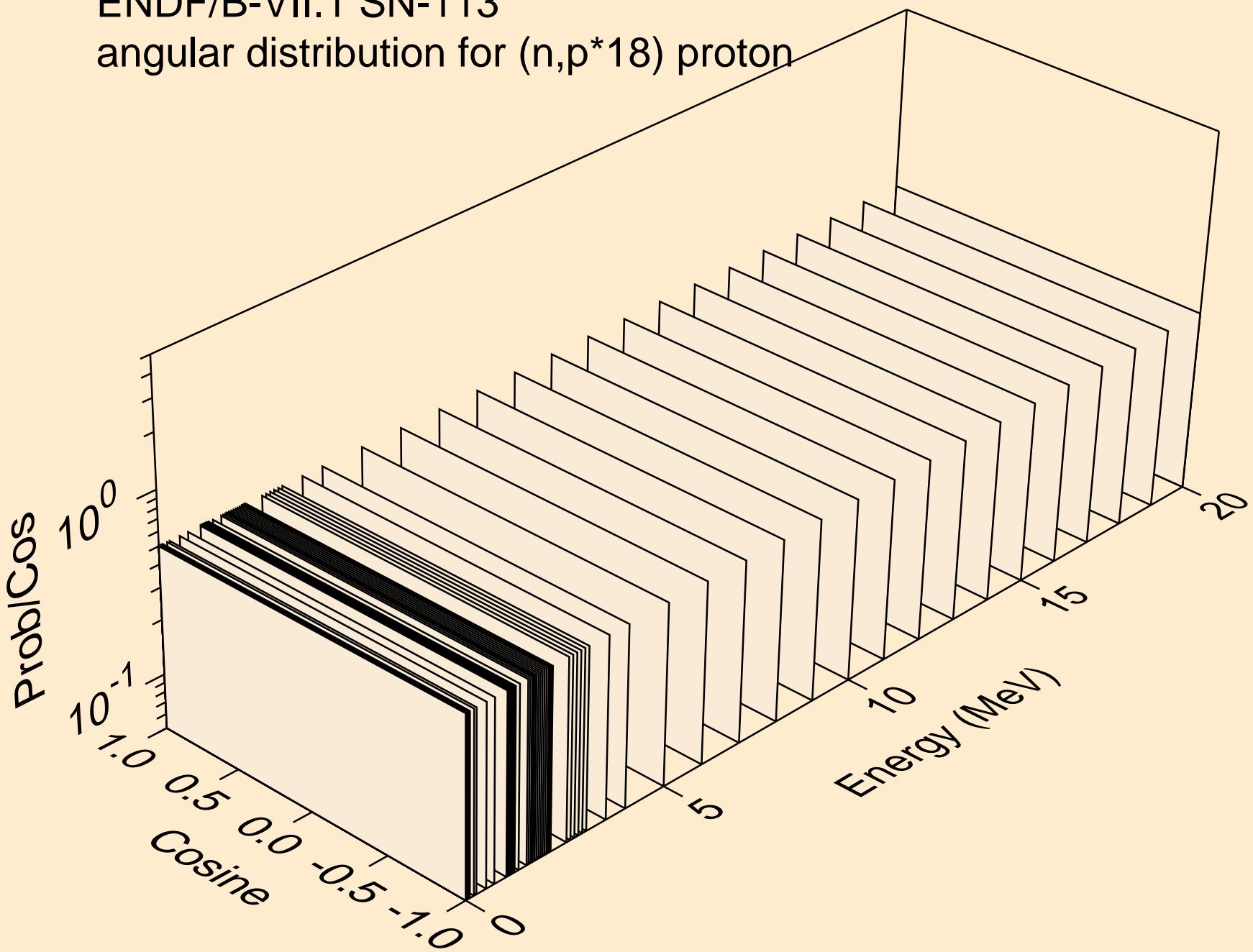
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angular distribution for ( $n,p^*16$ ) proton



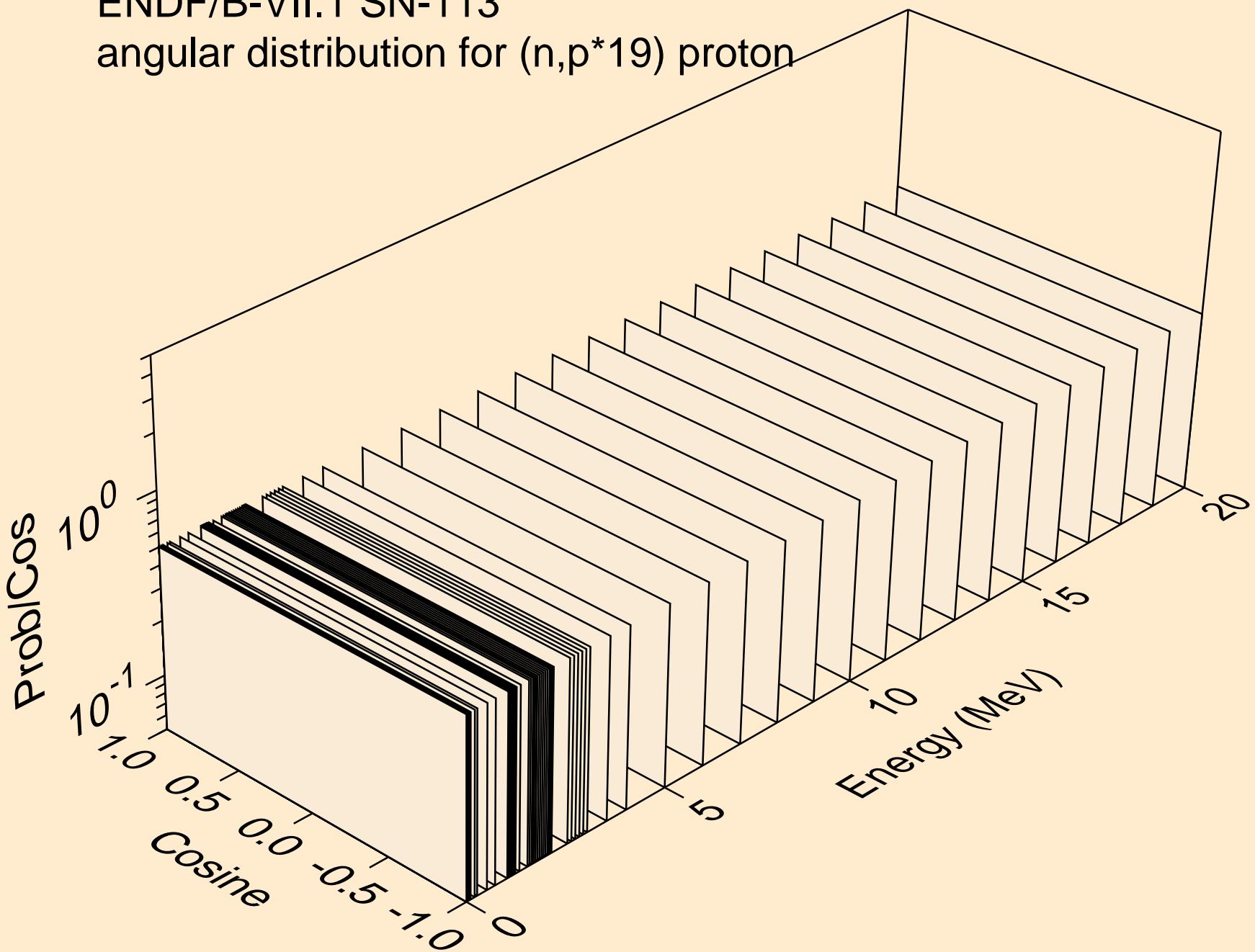
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angular distribution for ( $n,p^*17$ ) proton



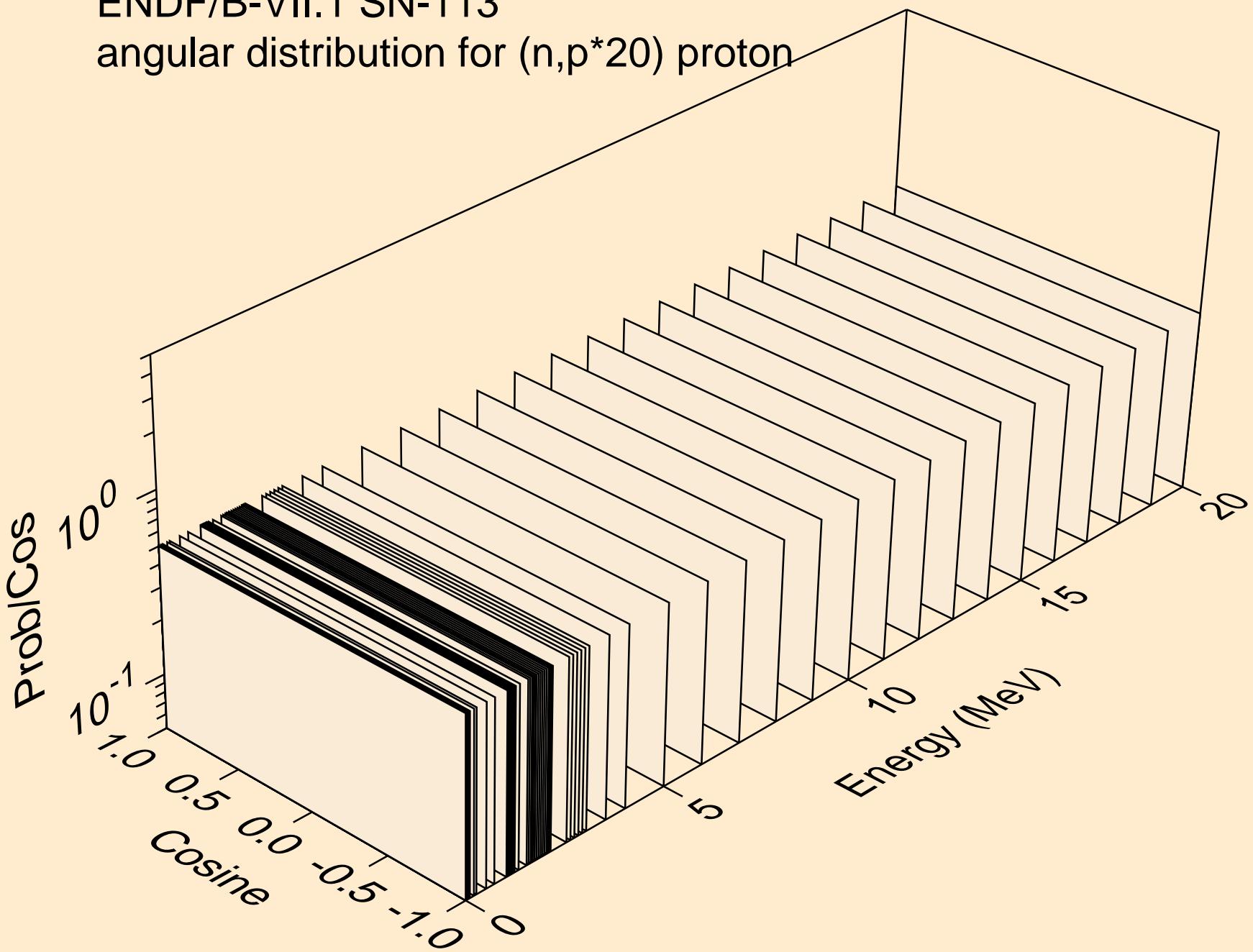
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angular distribution for ( $n,p^*18$ ) proton



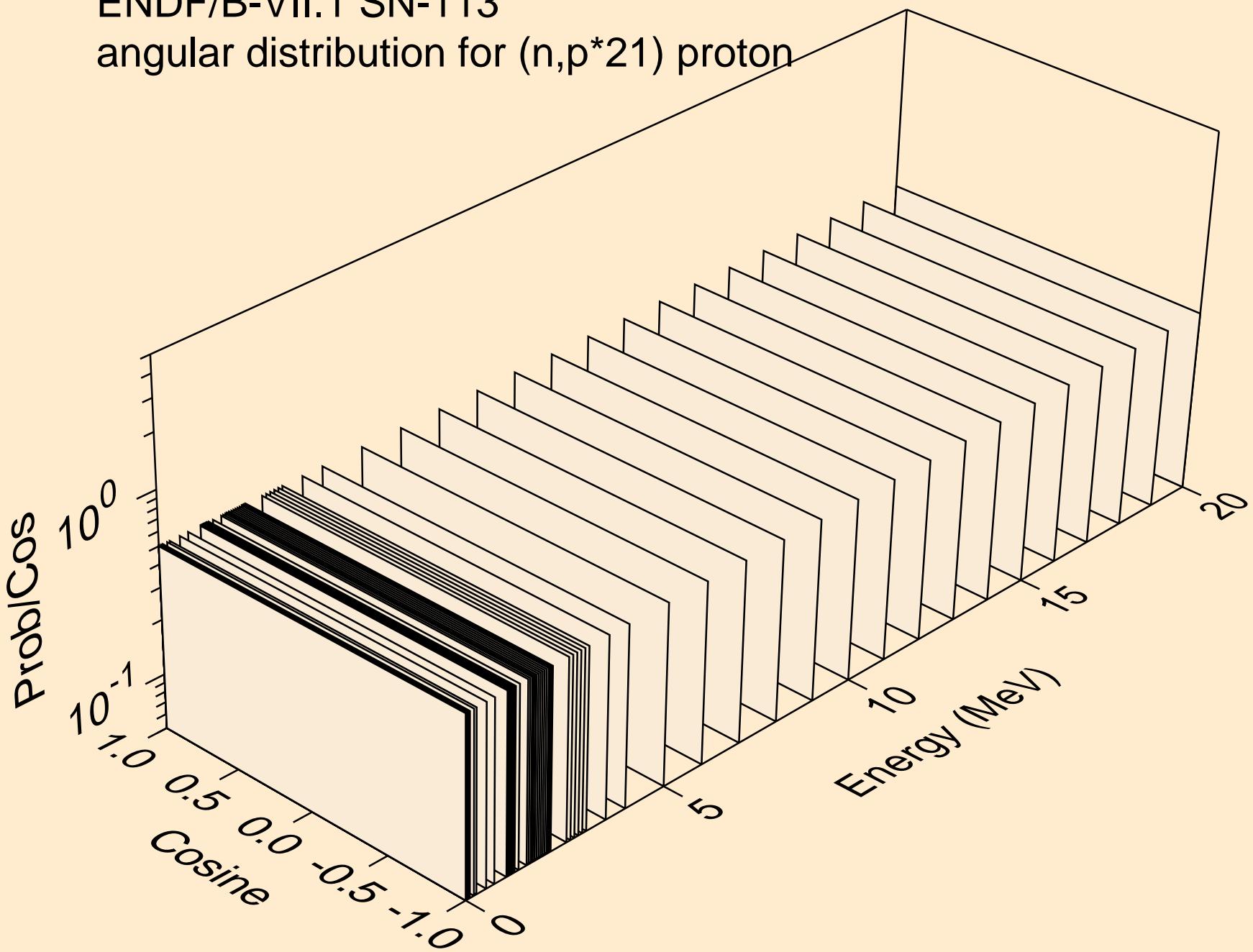
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angular distribution for ( $n,p^*19$ ) proton



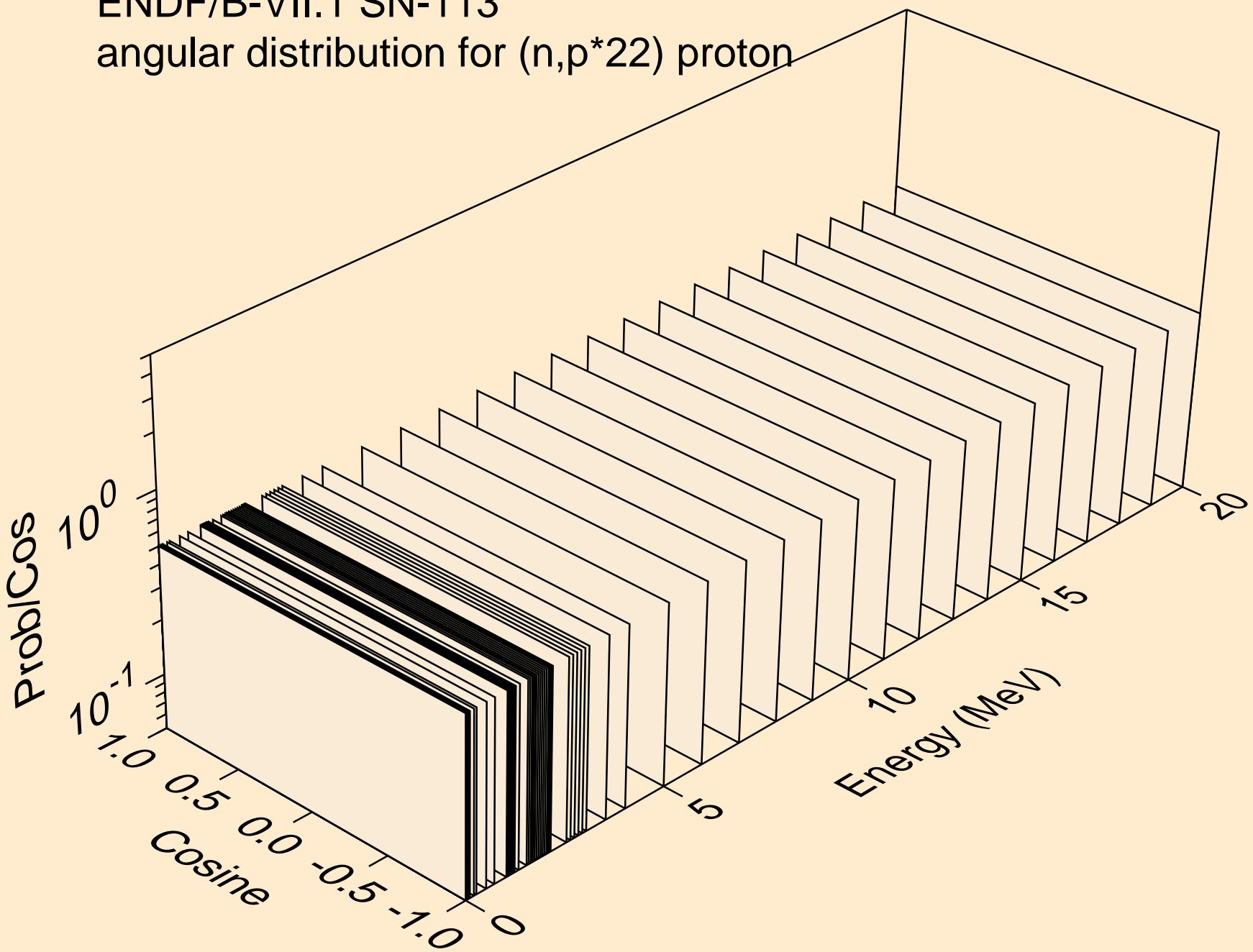
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angular distribution for ( $n,p^*20$ ) proton



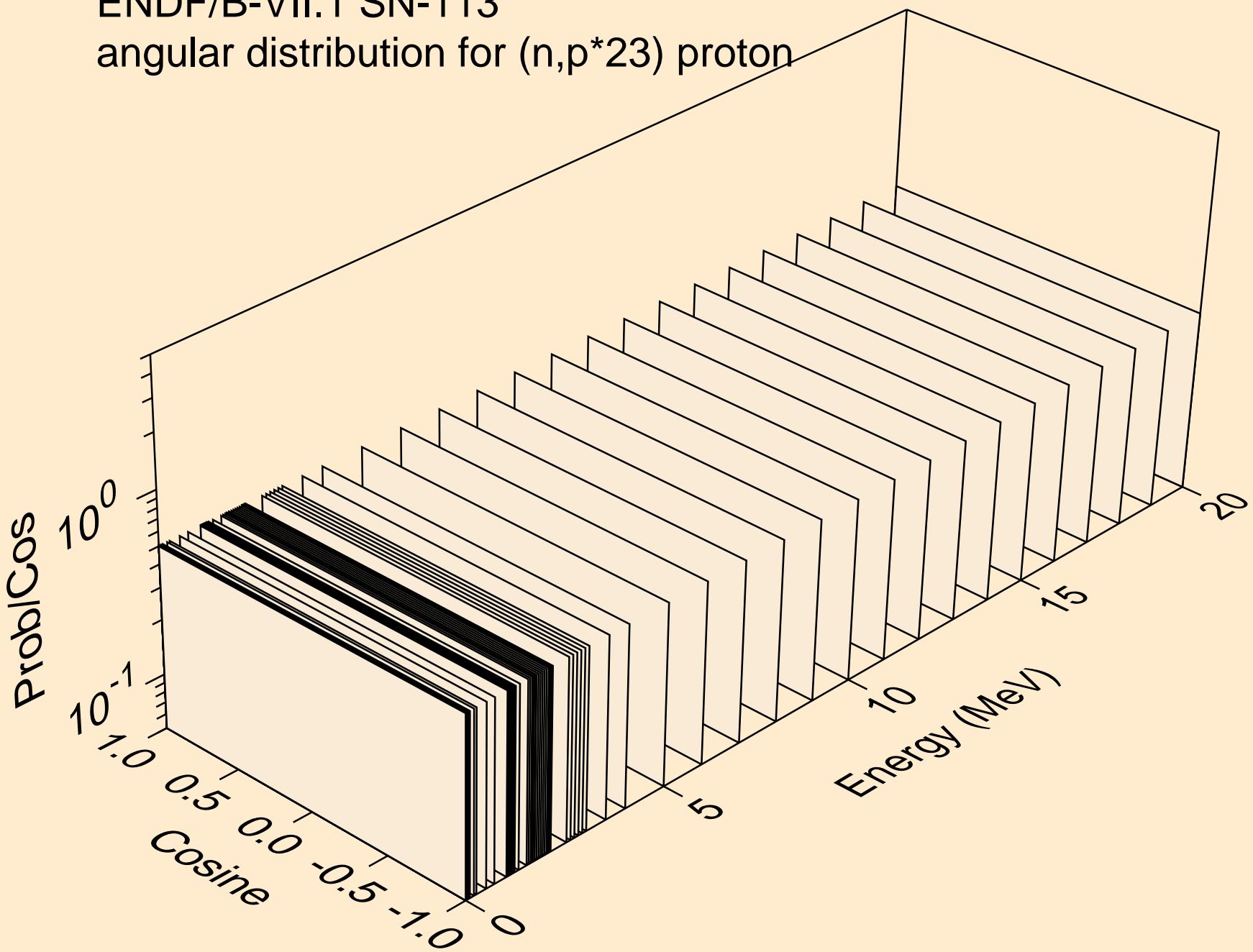
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angular distribution for ( $n,p^*21$ ) proton



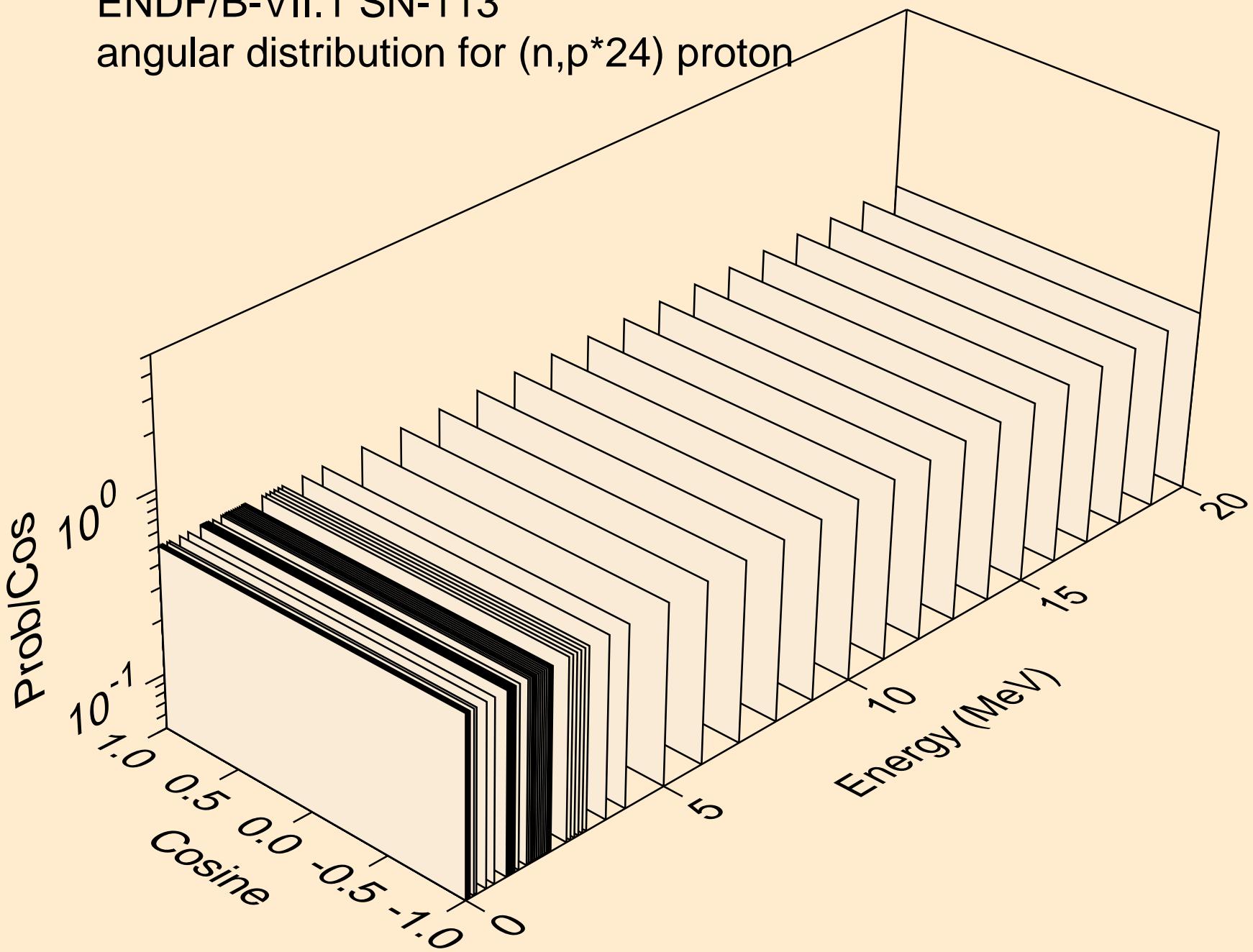
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angular distribution for ( $n,p^*22$ ) proton



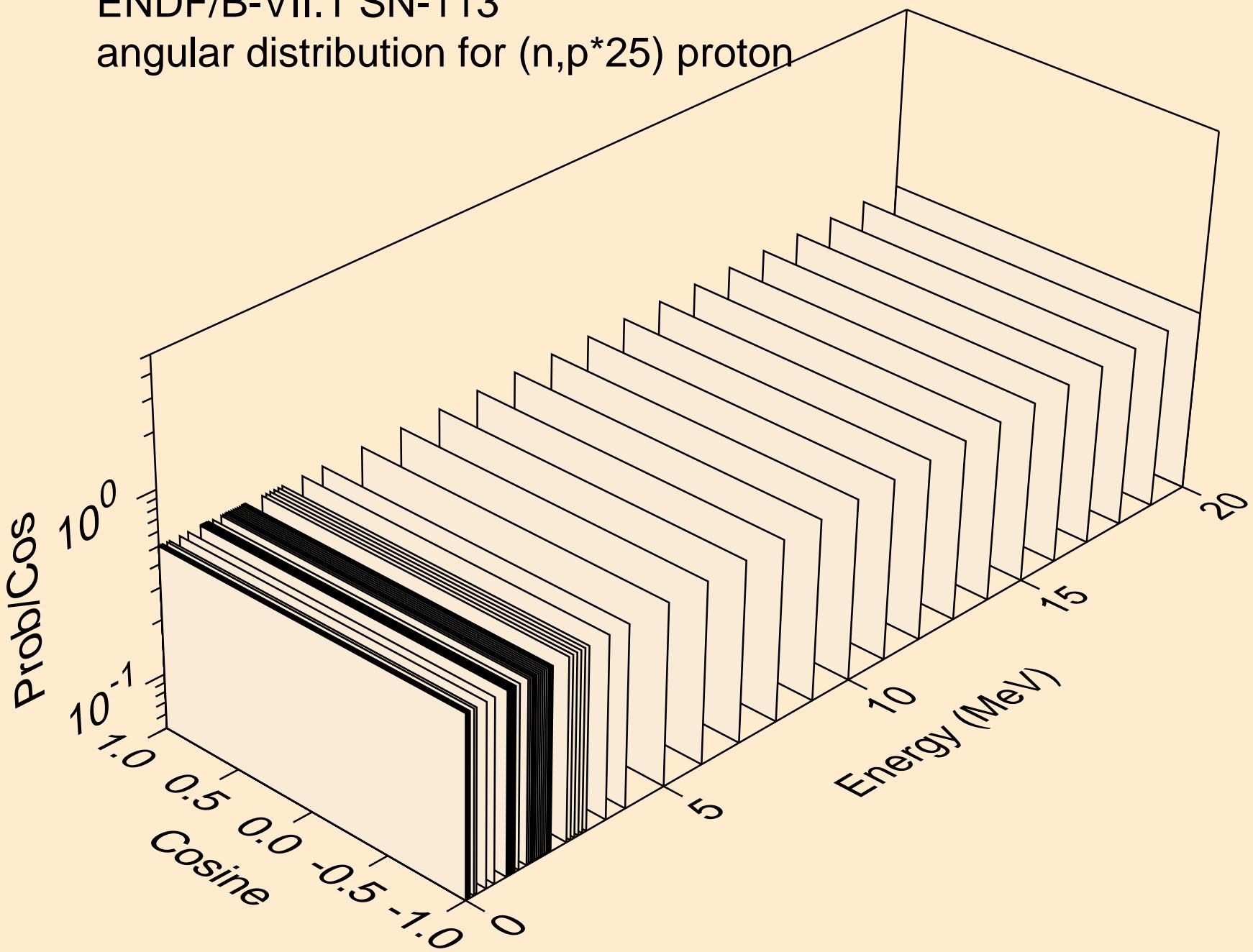
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angular distribution for ( $n,p^*23$ ) proton



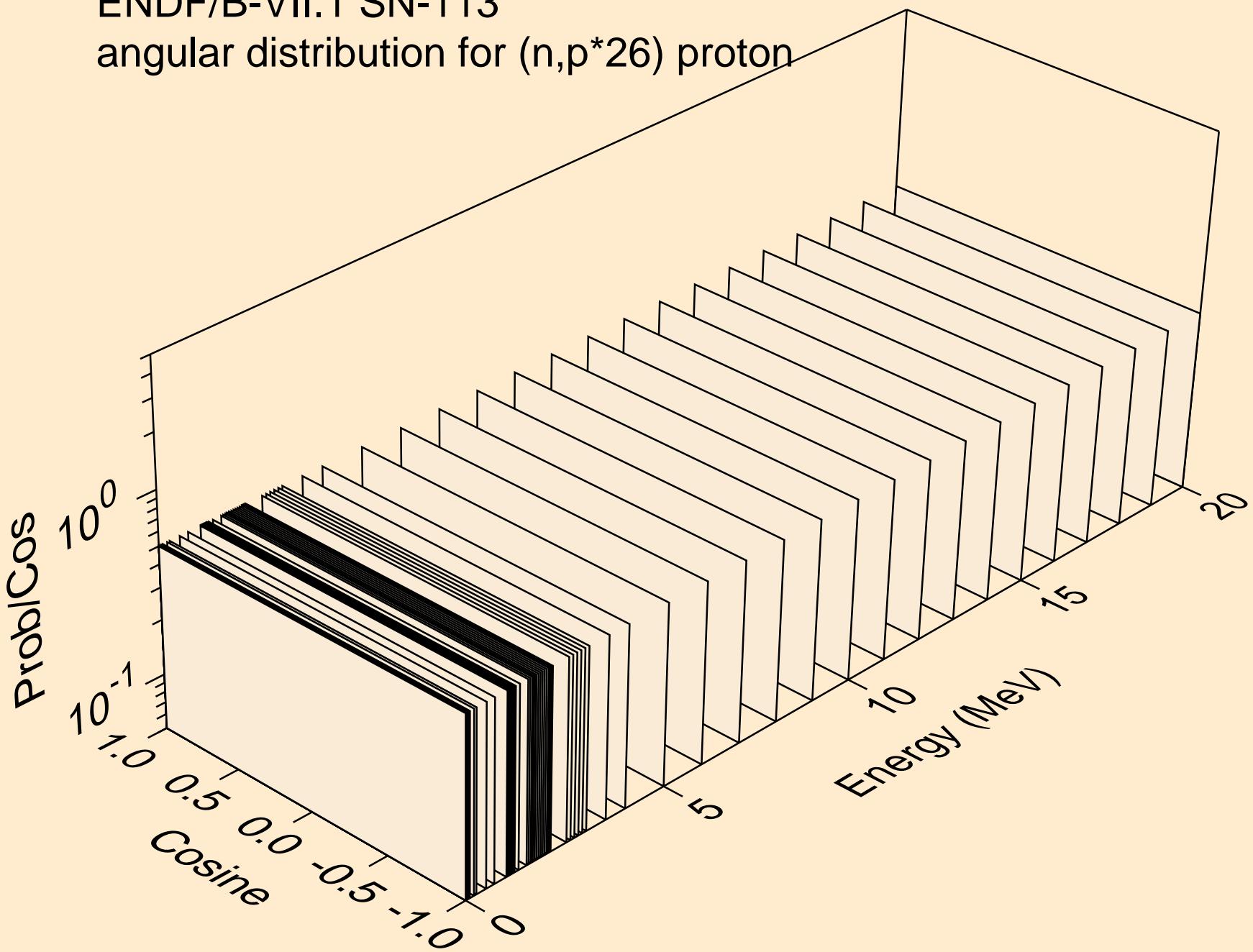
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angular distribution for ( $n,p^*24$ ) proton



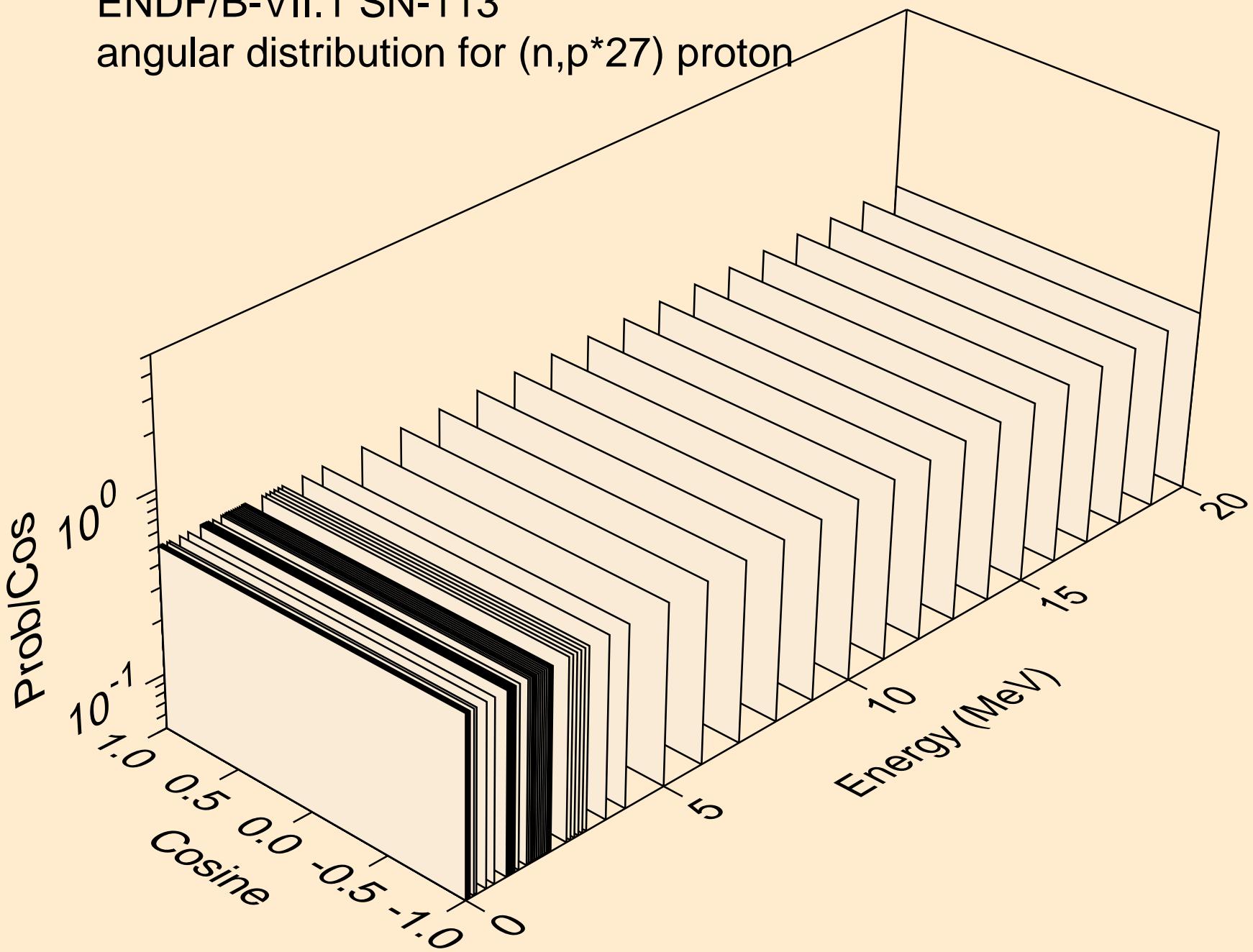
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angular distribution for ( $n,p^*25$ ) proton



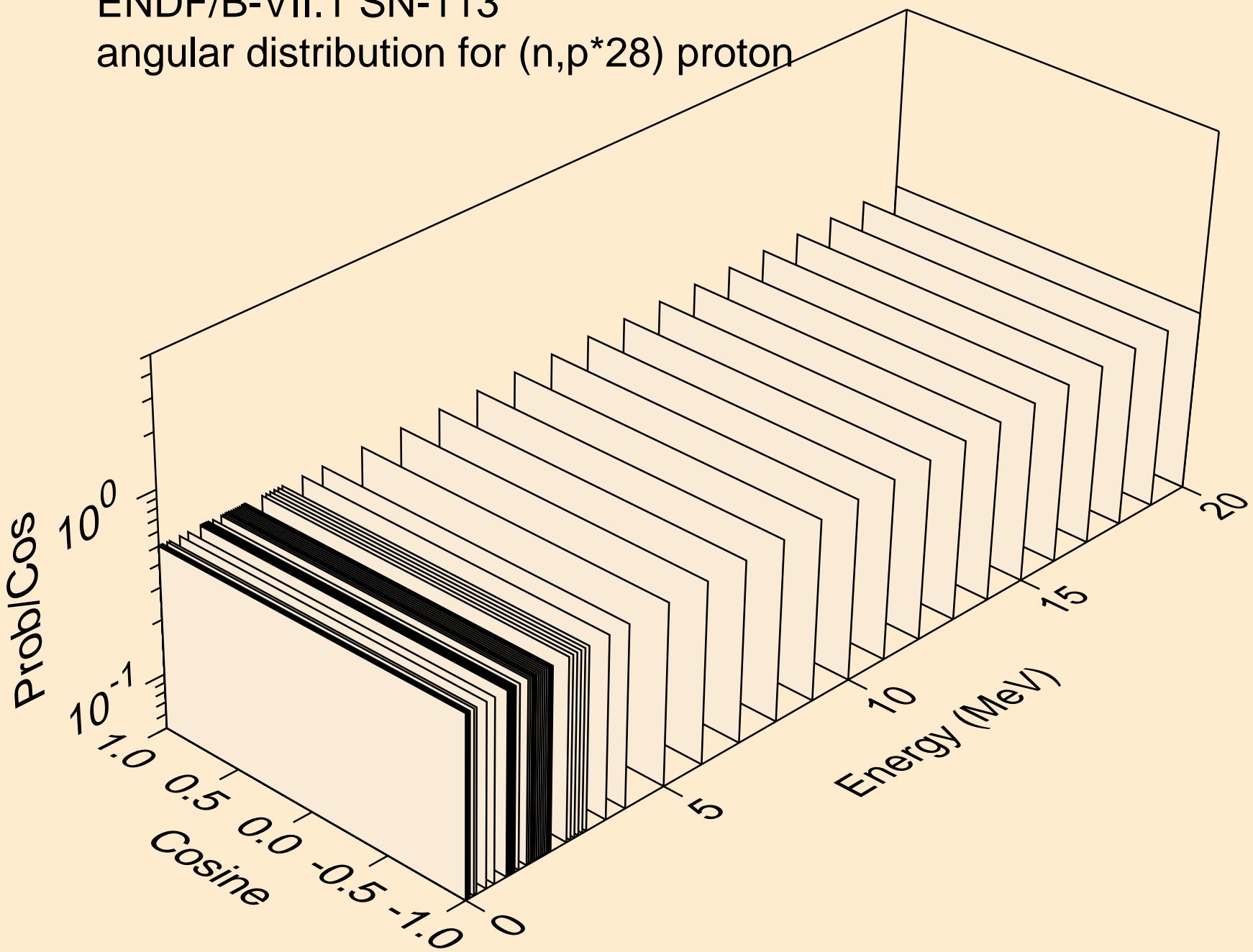
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angular distribution for ( $n,p^*26$ ) proton



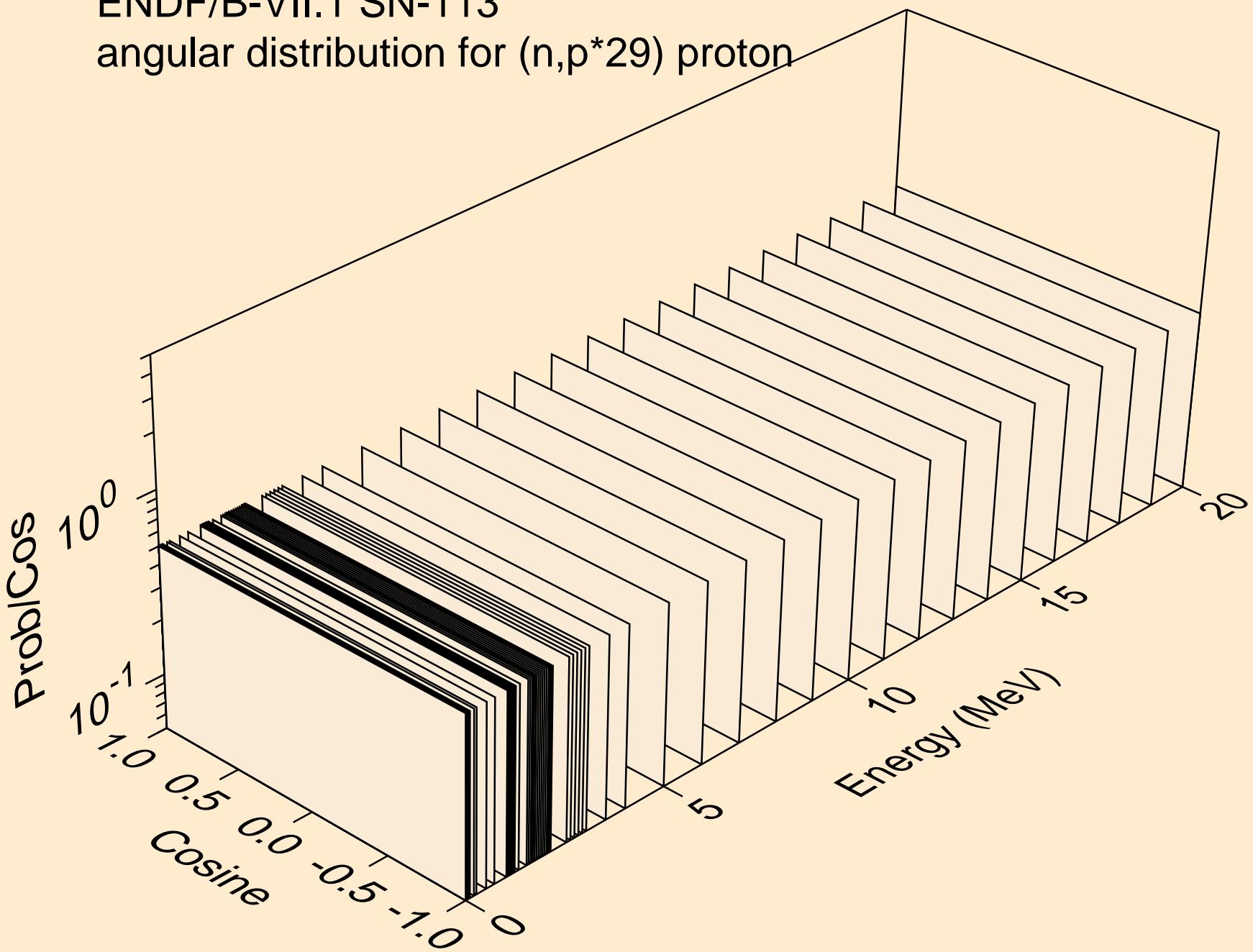
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angular distribution for ( $n,p^*27$ ) proton



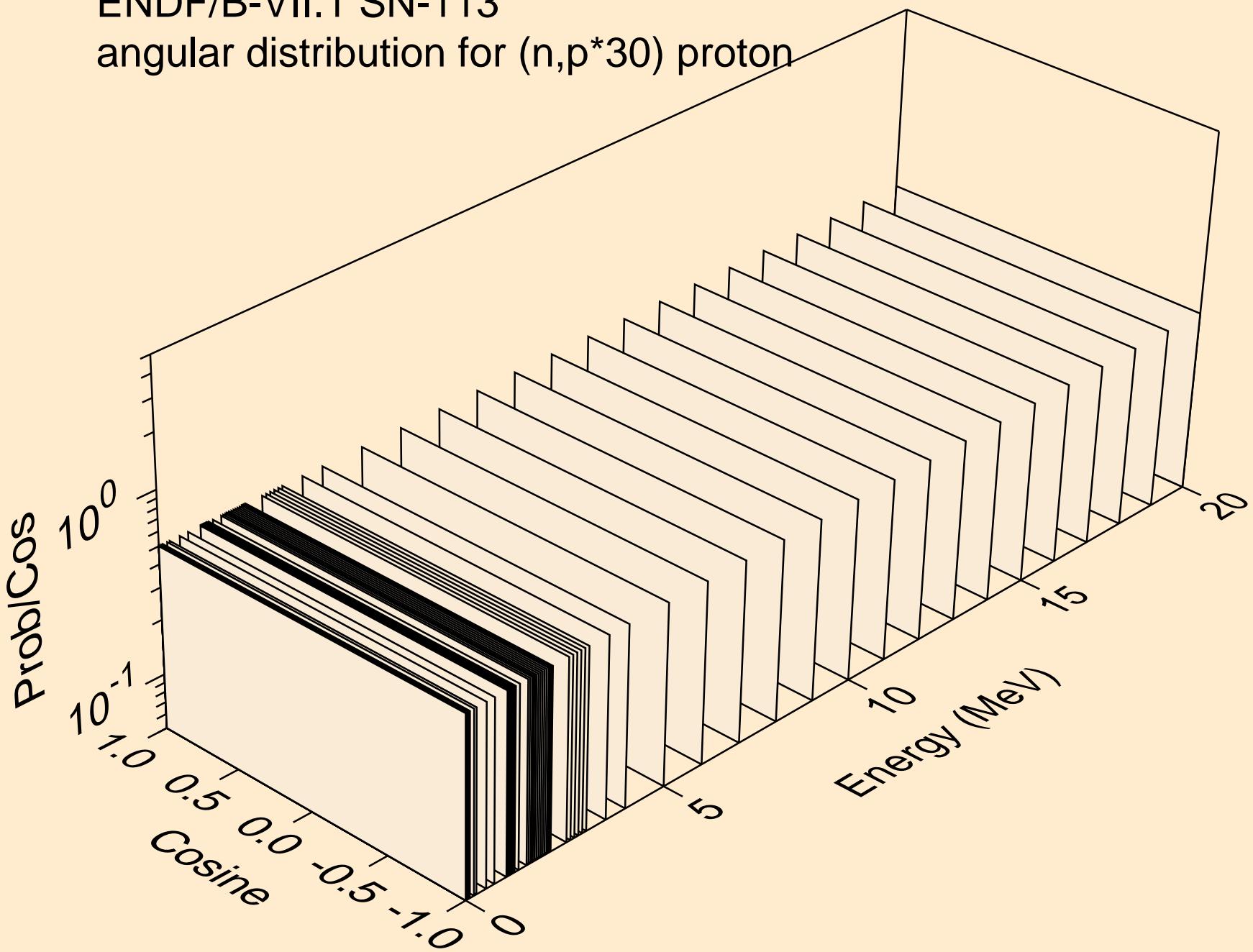
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angular distribution for ( $n,p^*28$ ) proton



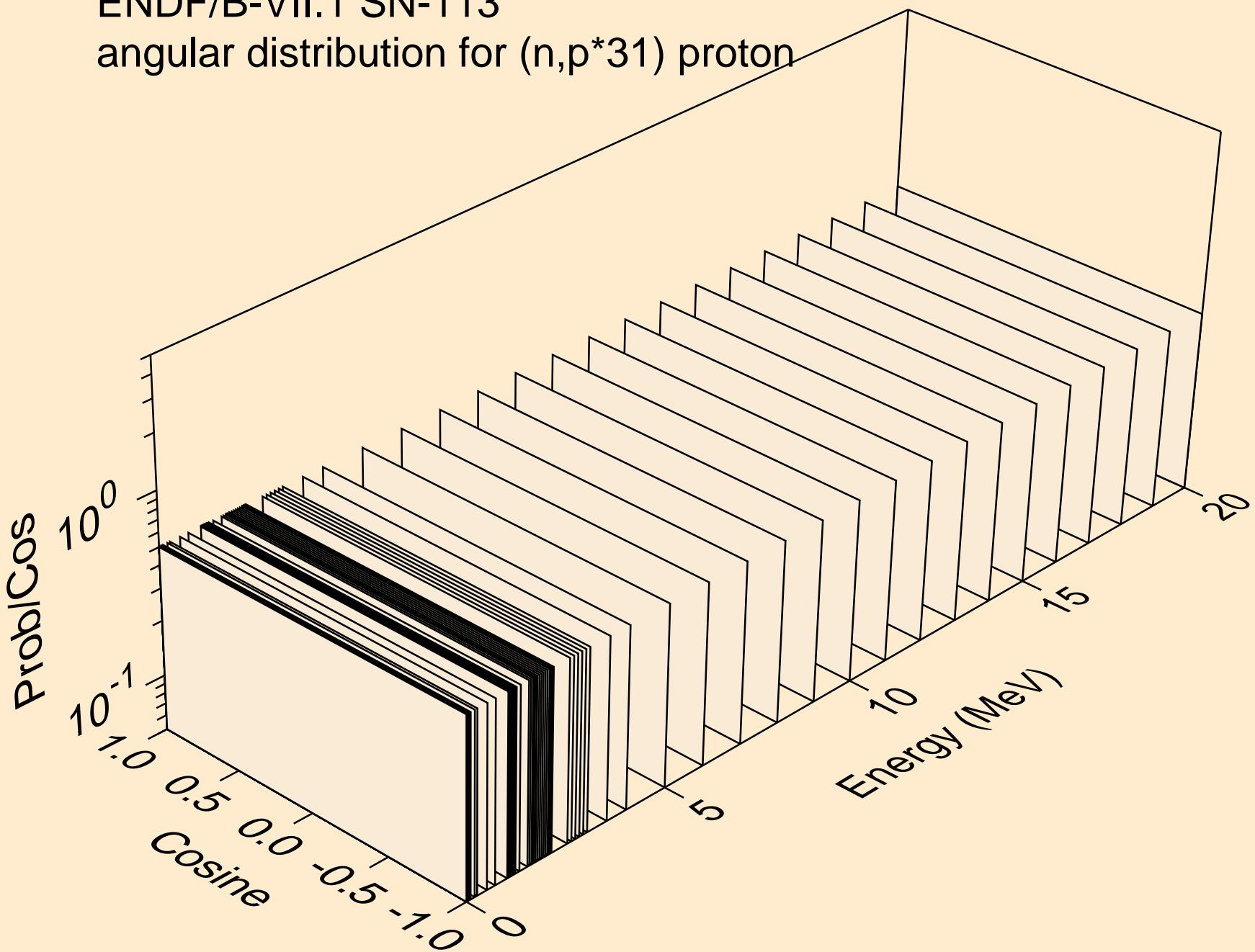
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angular distribution for ( $n,p^*29$ ) proton



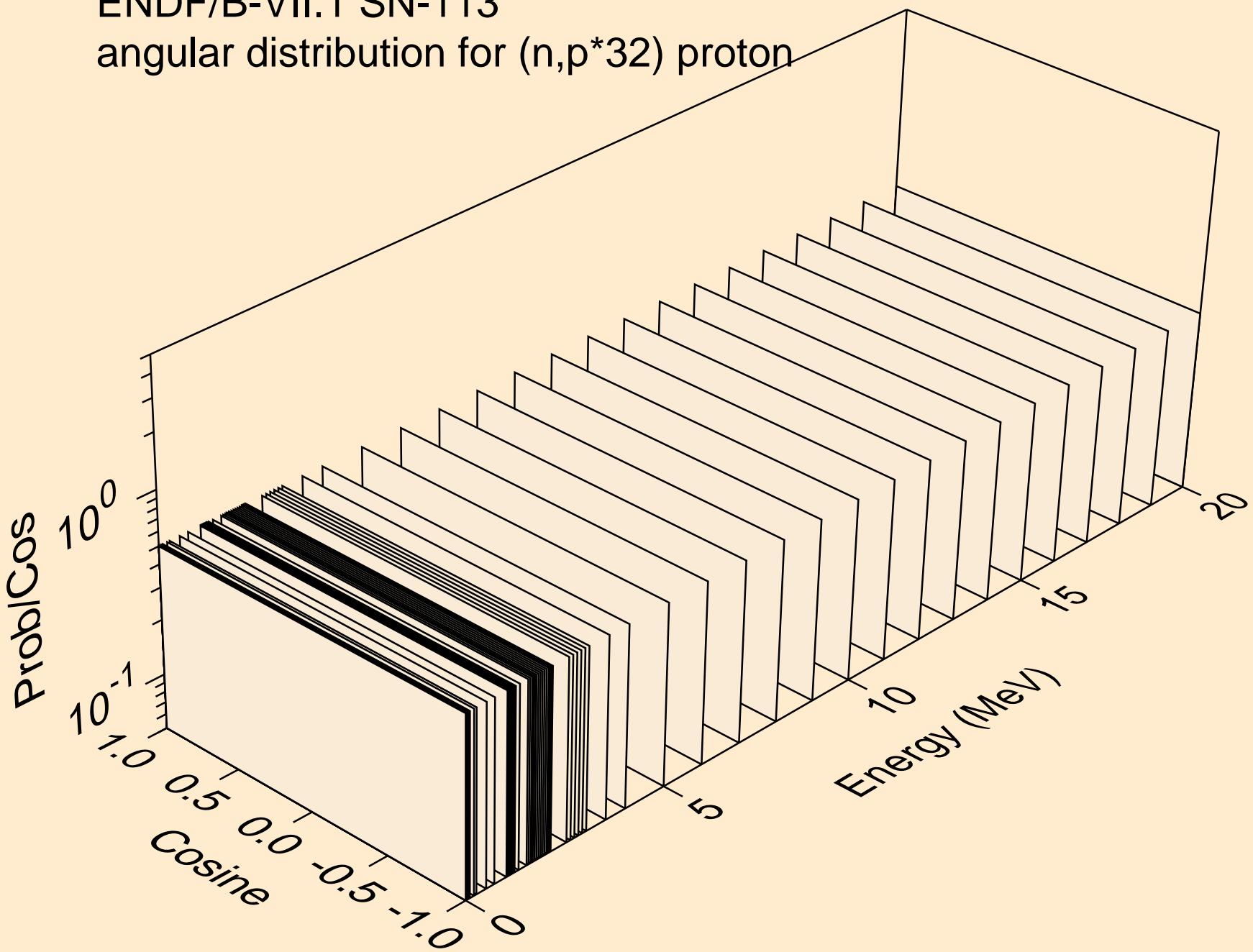
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angular distribution for ( $n,p^*30$ ) proton



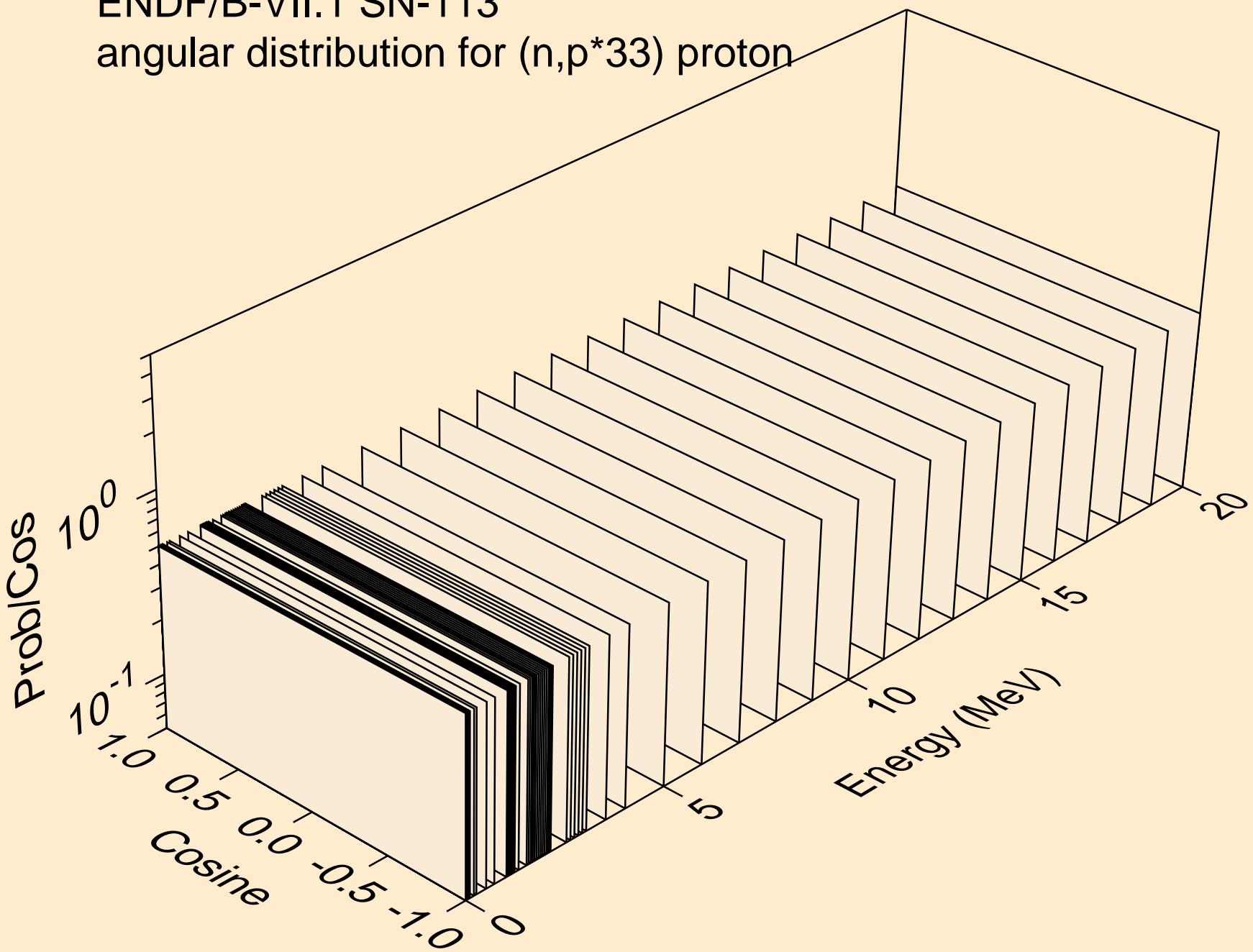
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angular distribution for ( $n,p^*31$ ) proton



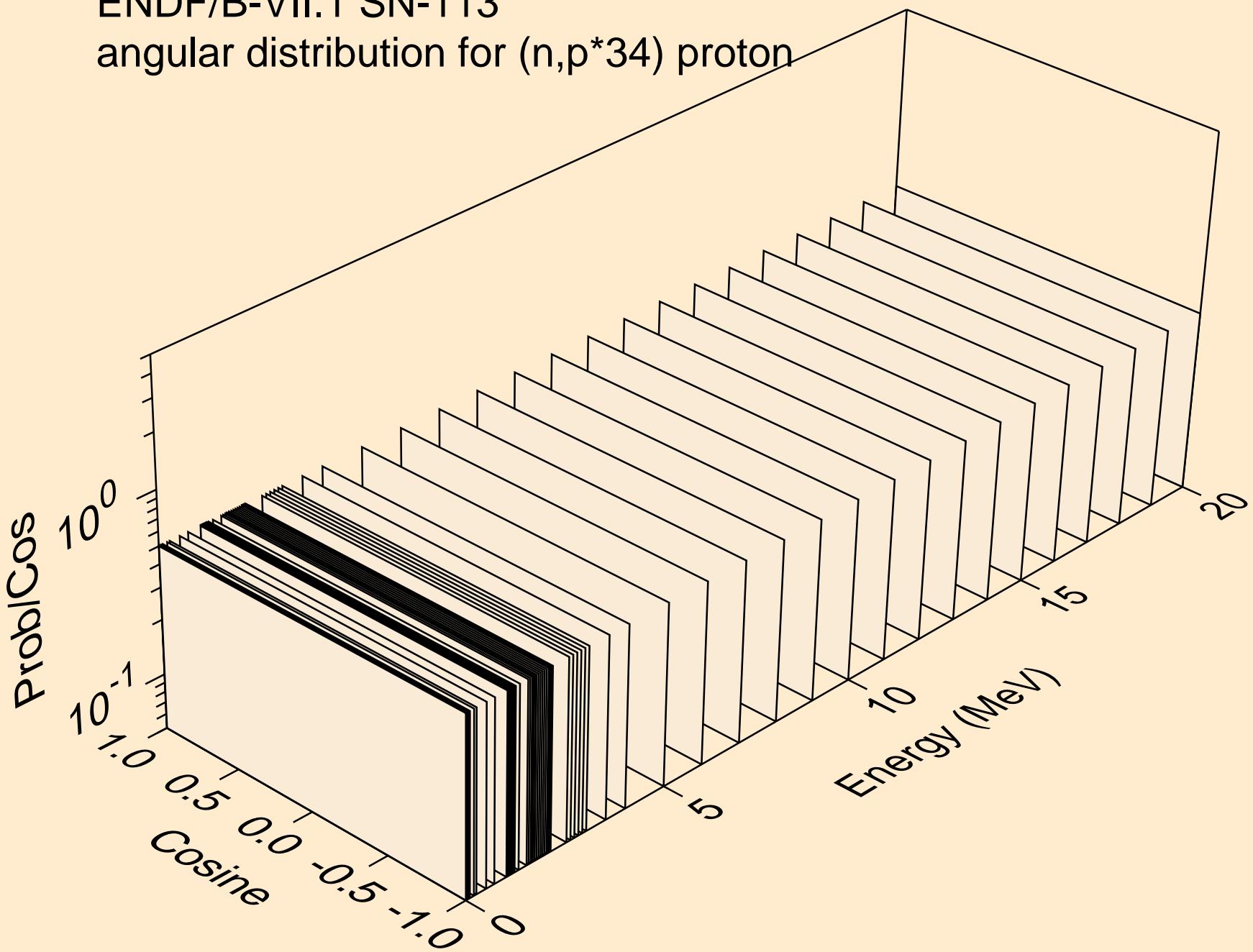
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angular distribution for ( $n,p^*32$ ) proton



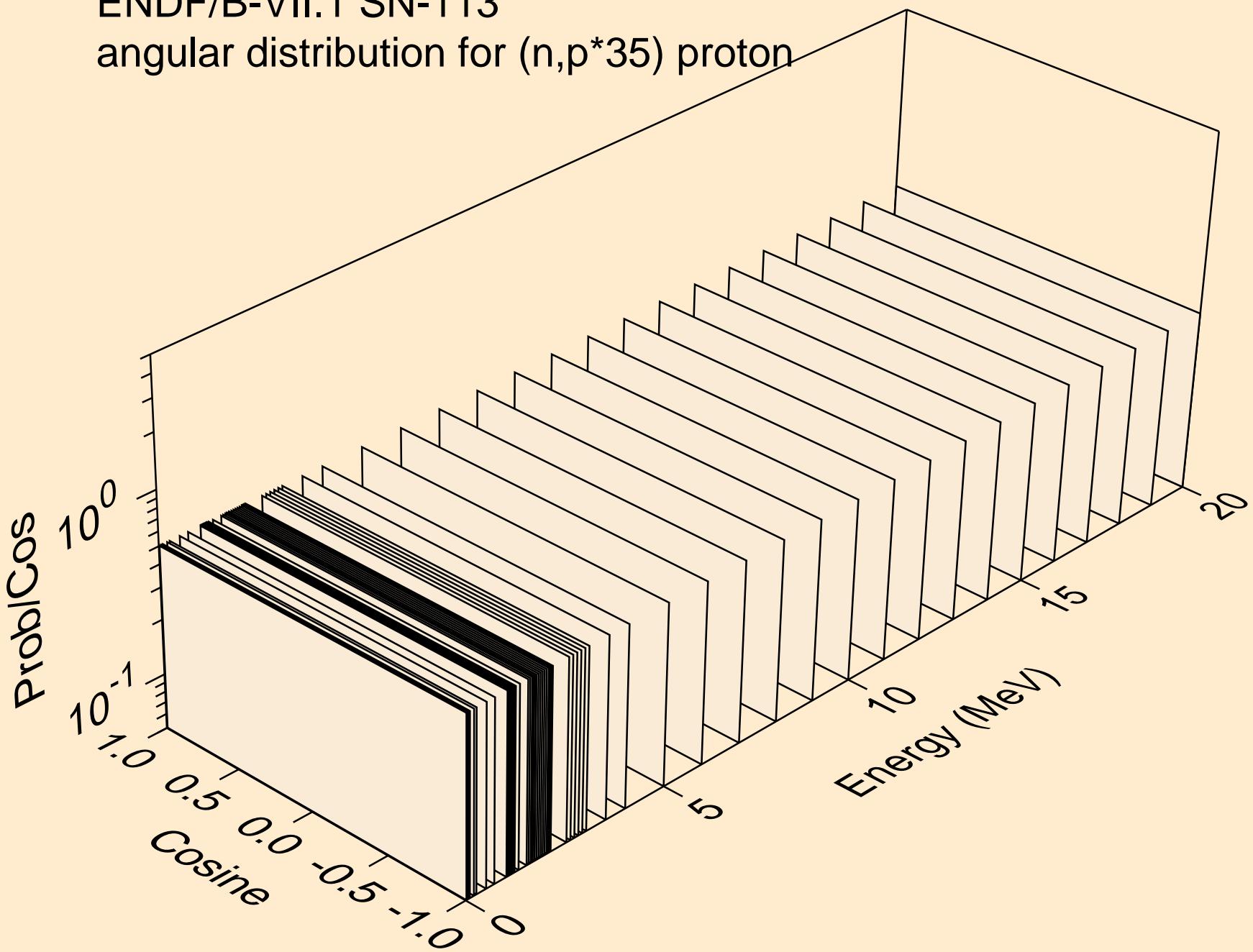
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angular distribution for ( $n,p^*33$ ) proton



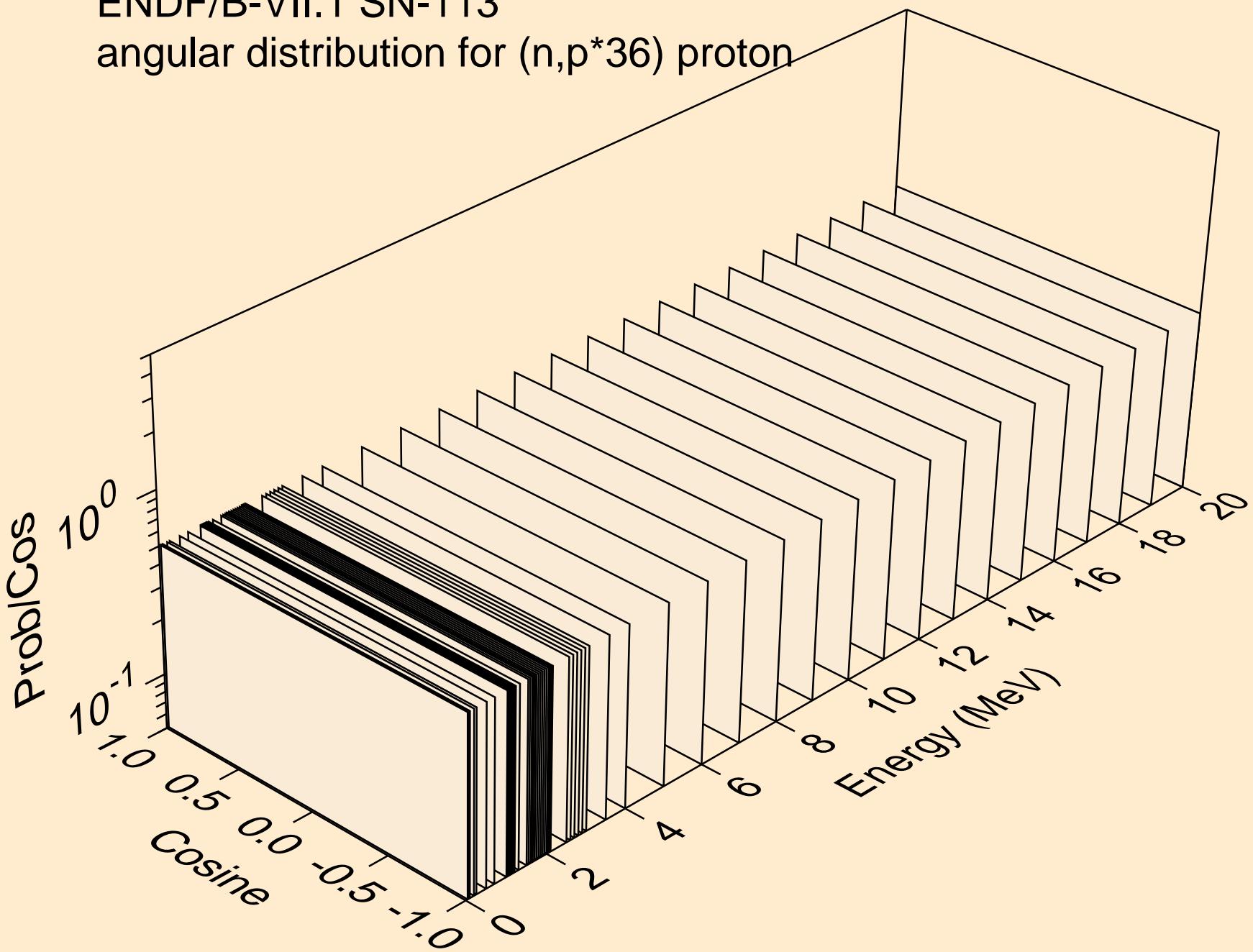
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angular distribution for ( $n,p^*34$ ) proton



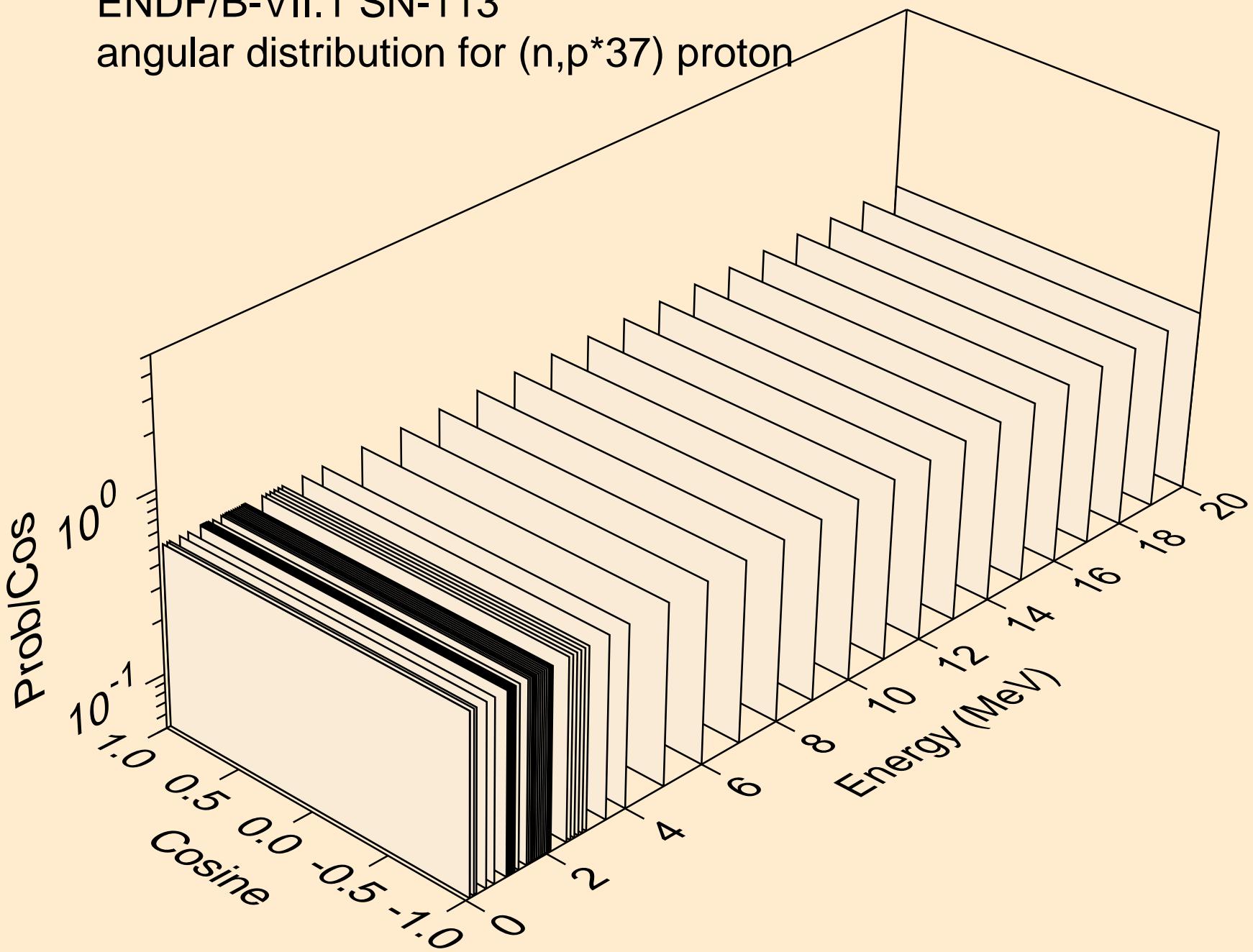
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angular distribution for ( $n,p^*35$ ) proton



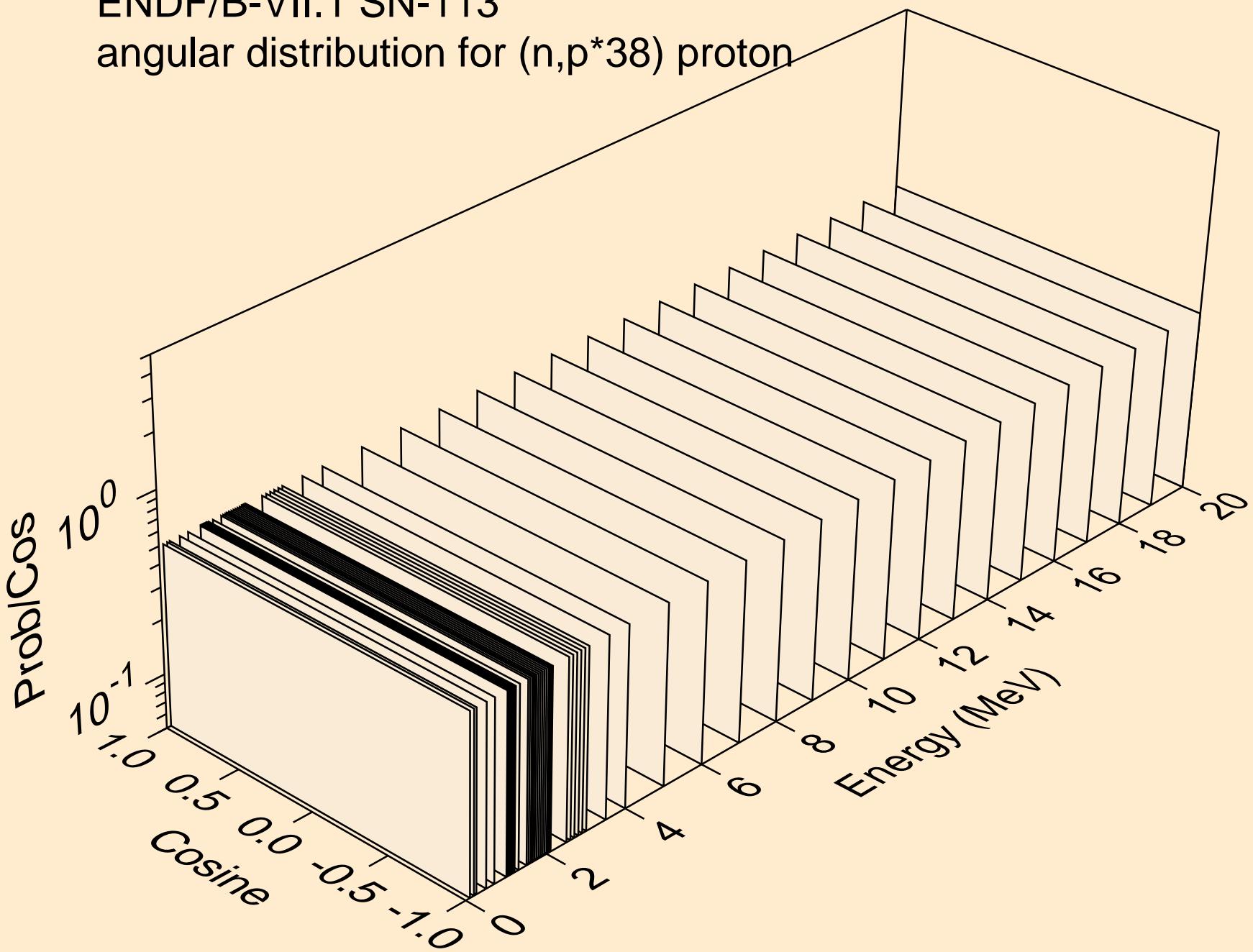
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angular distribution for ( $n,p^*36$ ) proton



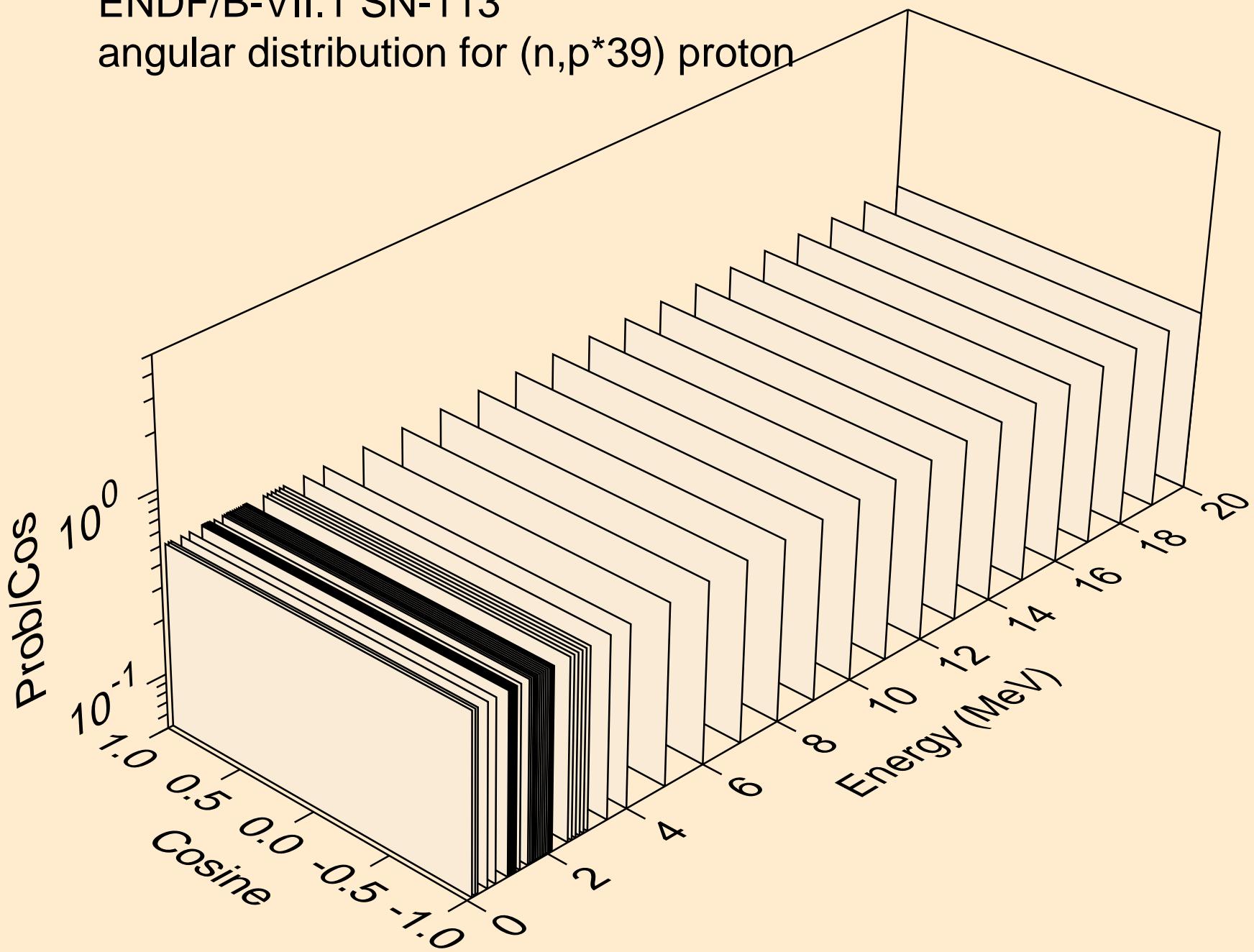
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angular distribution for ( $n,p^*37$ ) proton



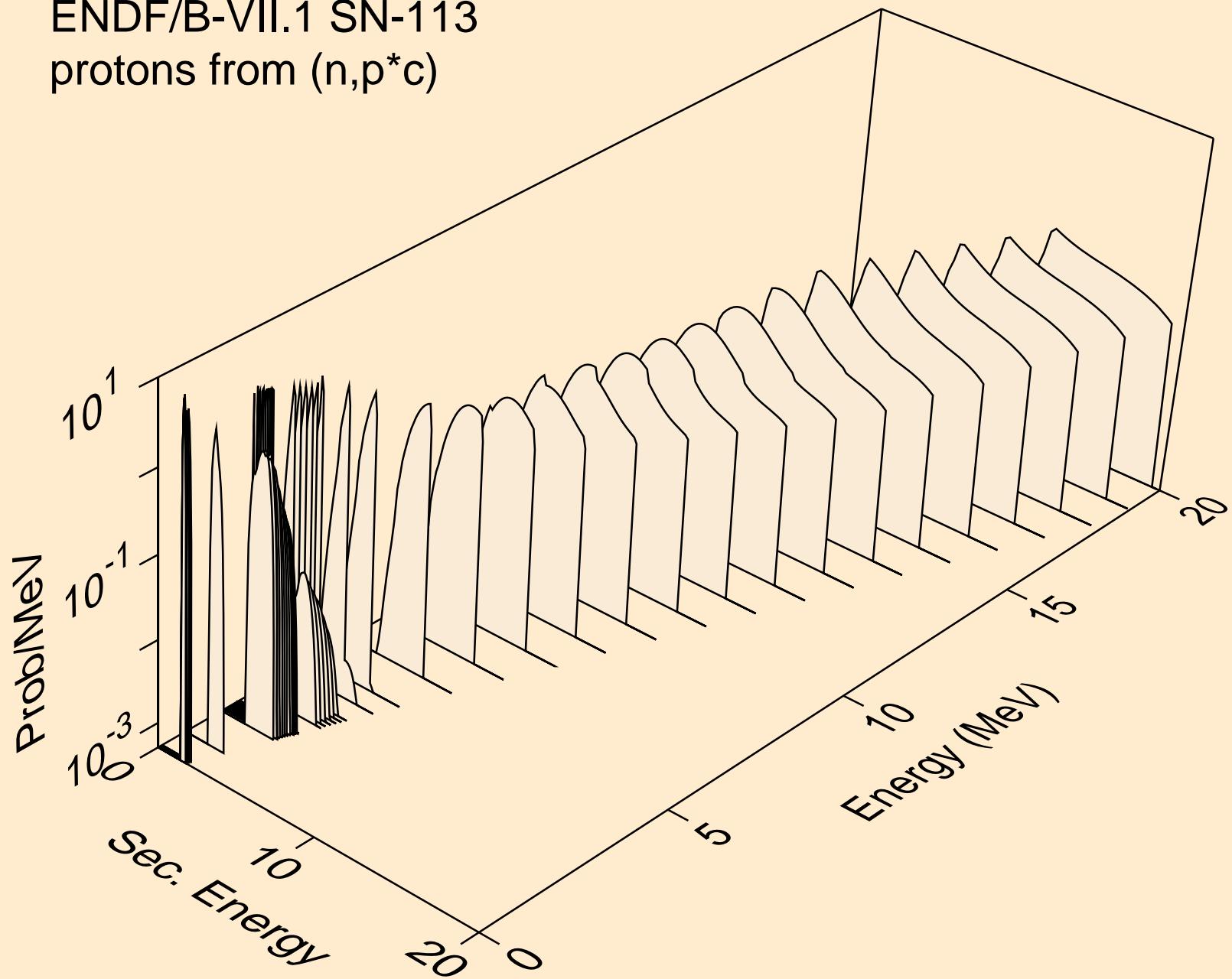
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angular distribution for ( $n,p^*38$ ) proton



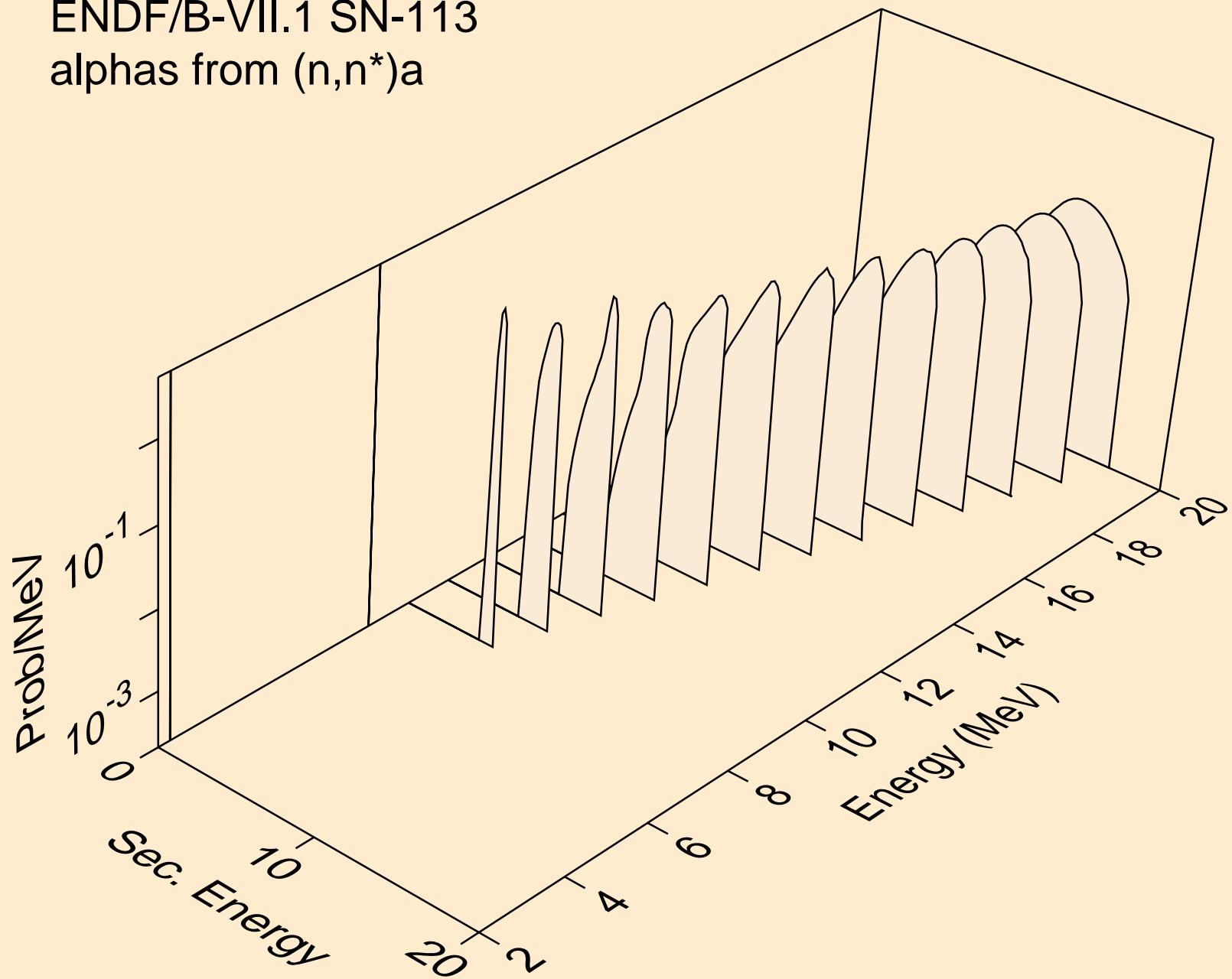
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angular distribution for ( $n,p^*39$ ) proton



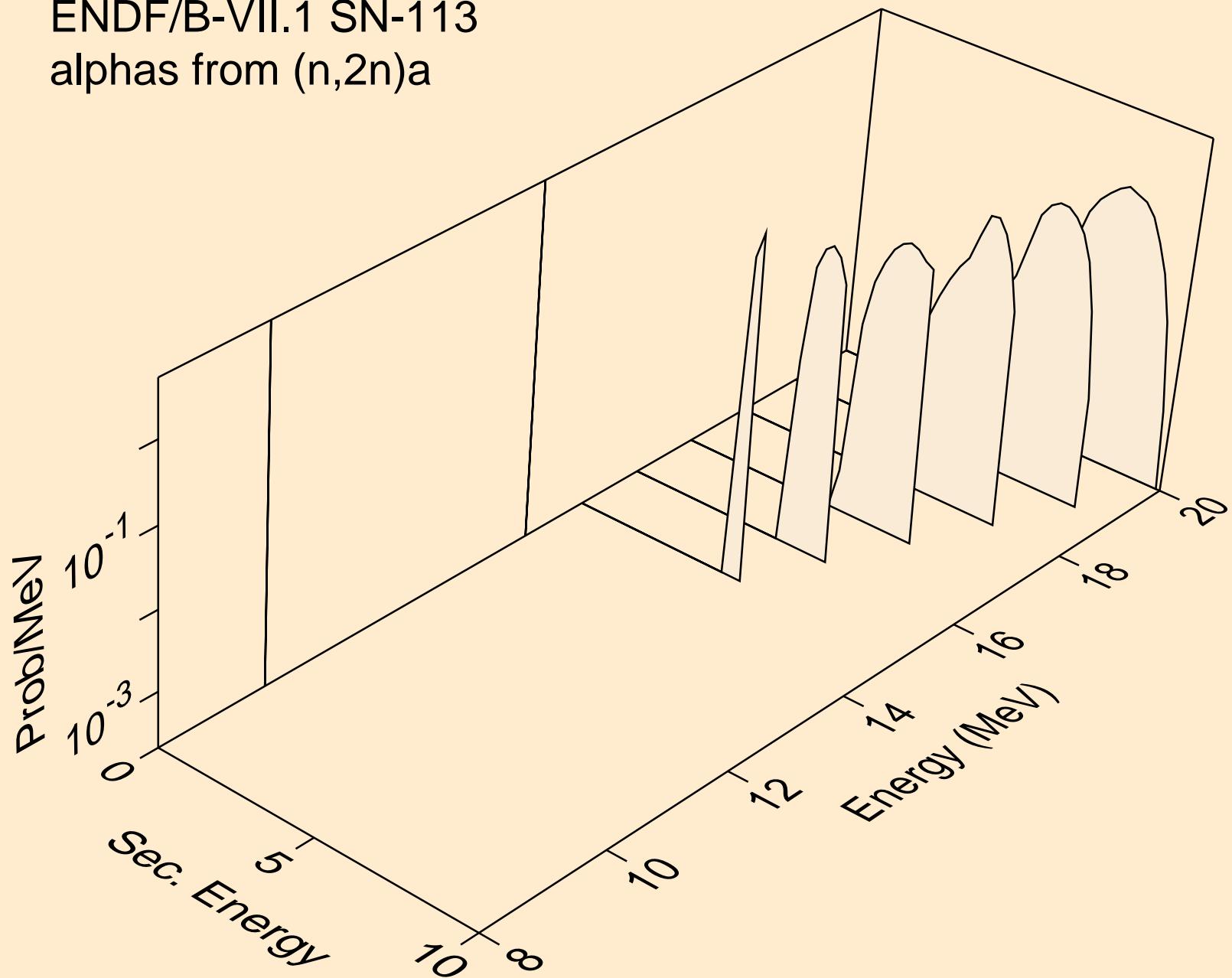
ENDF/B-VII.1 SN-113  
protons from  $(n, p^* c)$



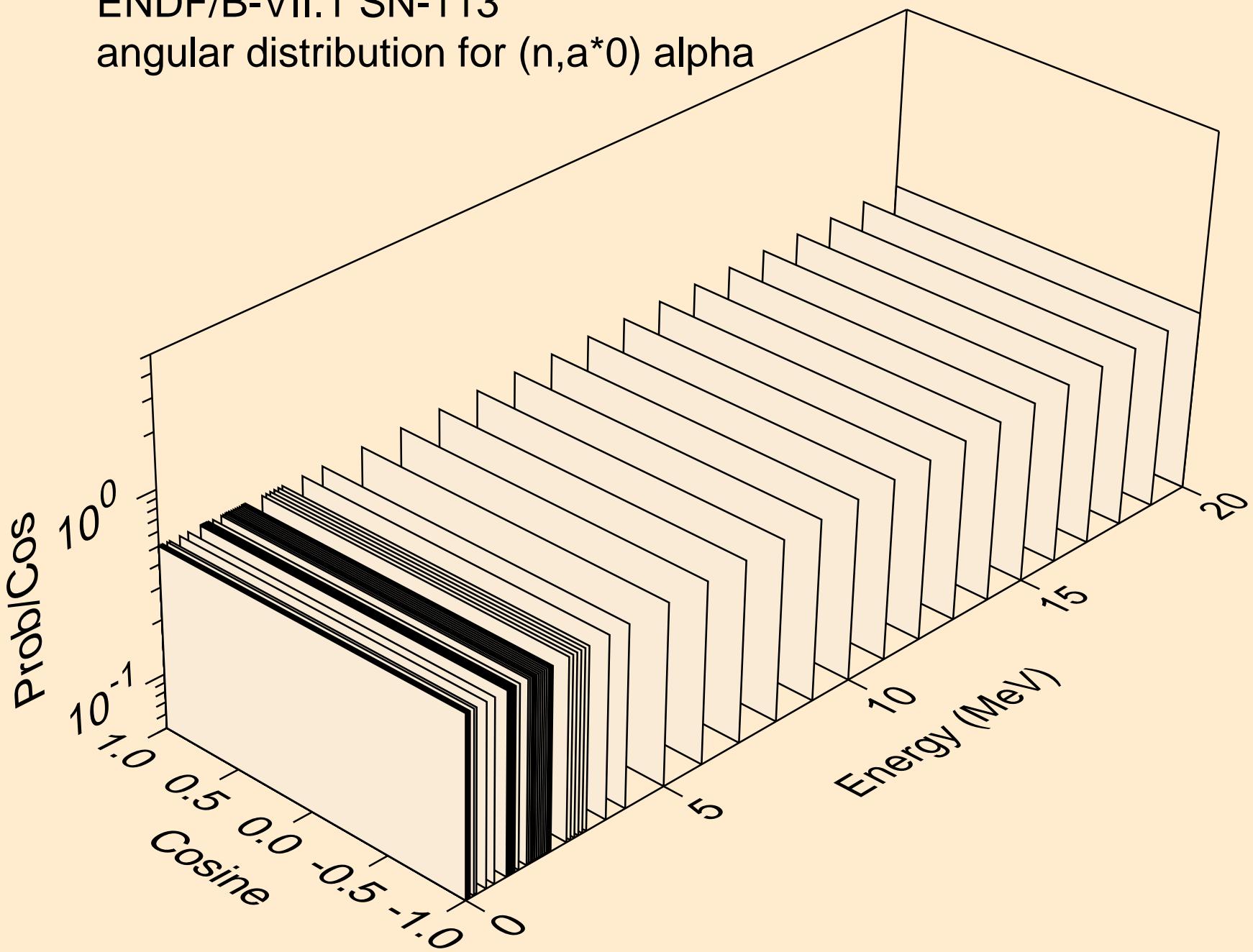
ENDF/B-VII.1 SN-113  
alphas from  $(n,n^*)a$



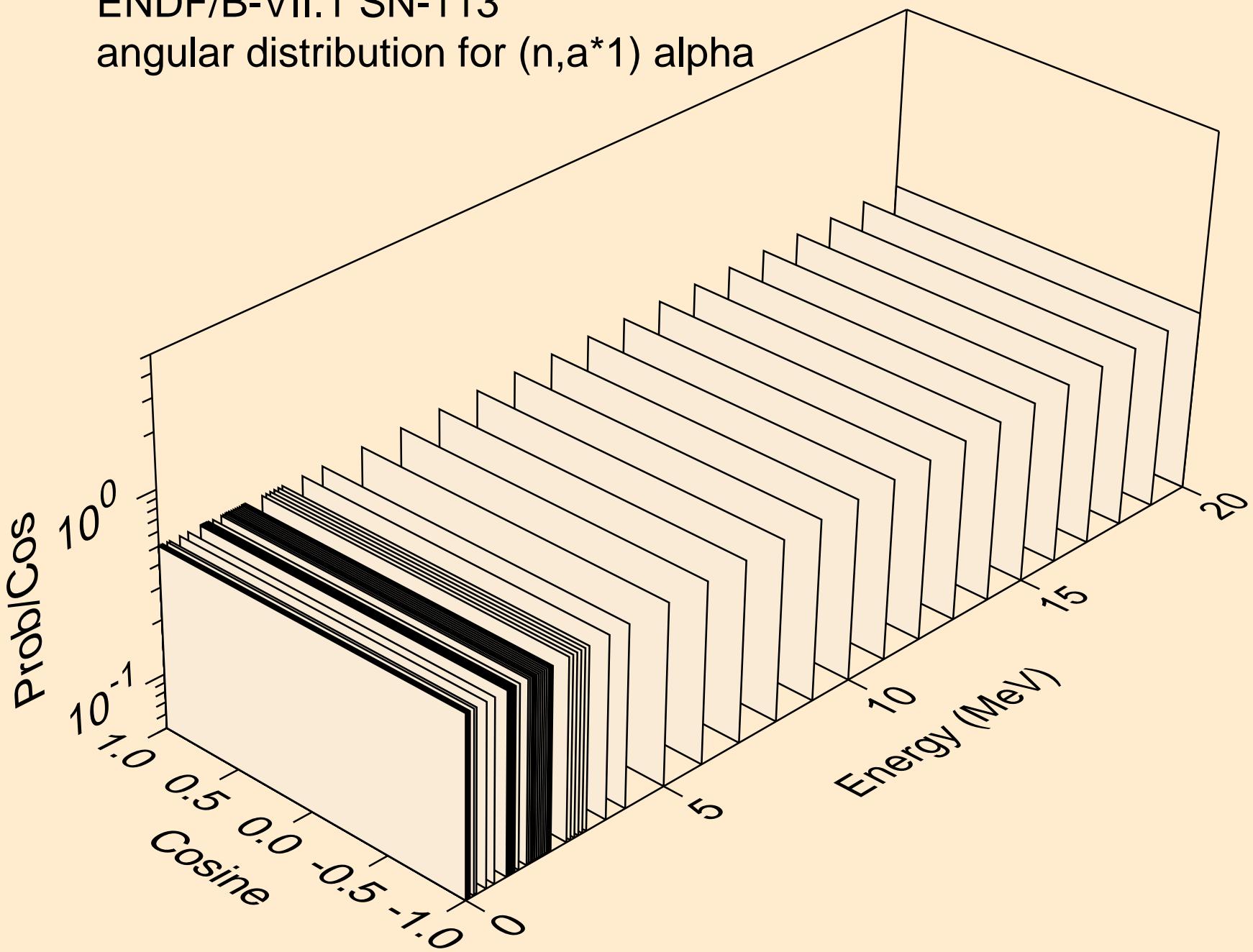
ENDF/B-VII.1 SN-113  
alphas from  $(n,2n)a$



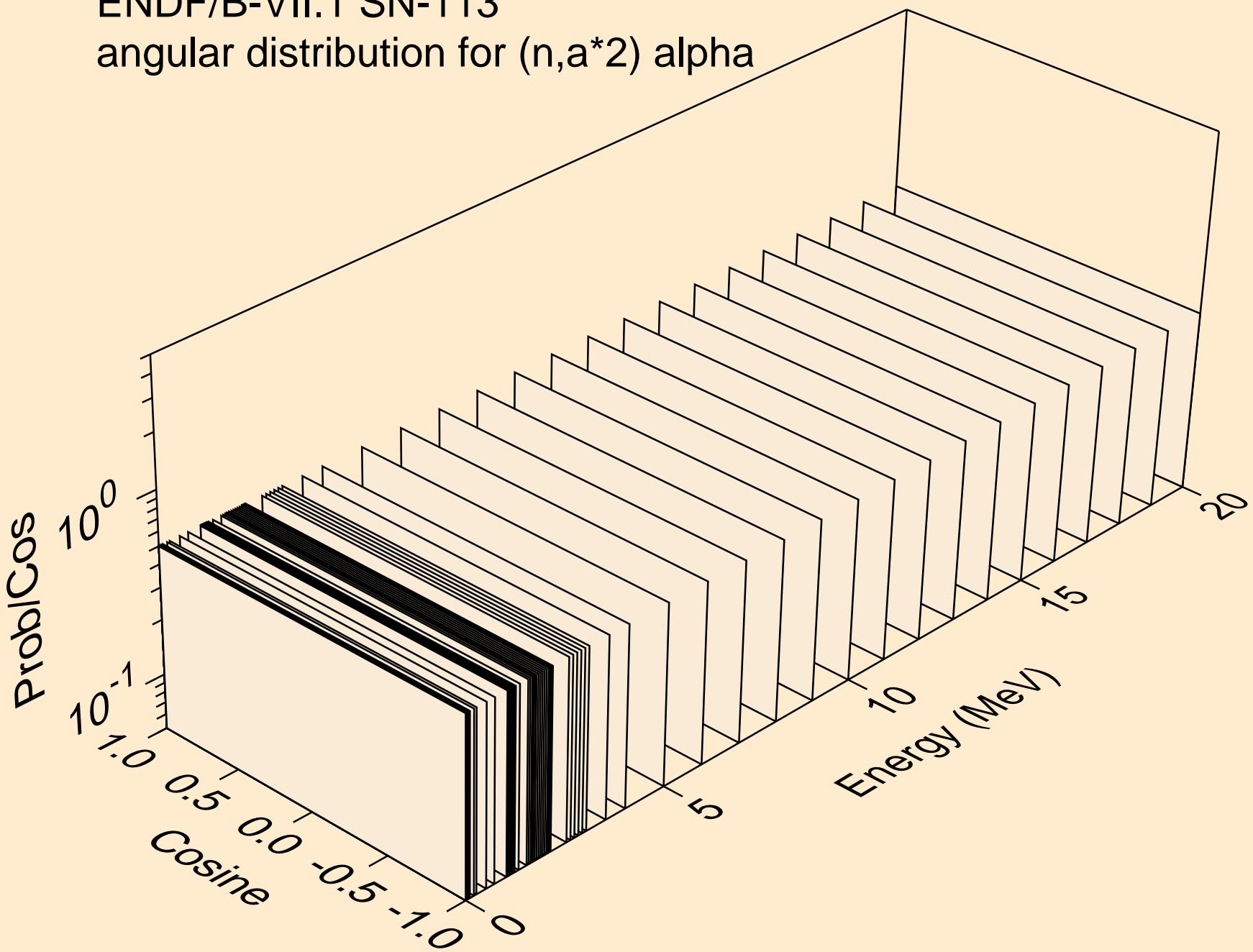
ENDF/B-VII.1 SN-113  
angular distribution for ( $n,a^*0$ ) alpha



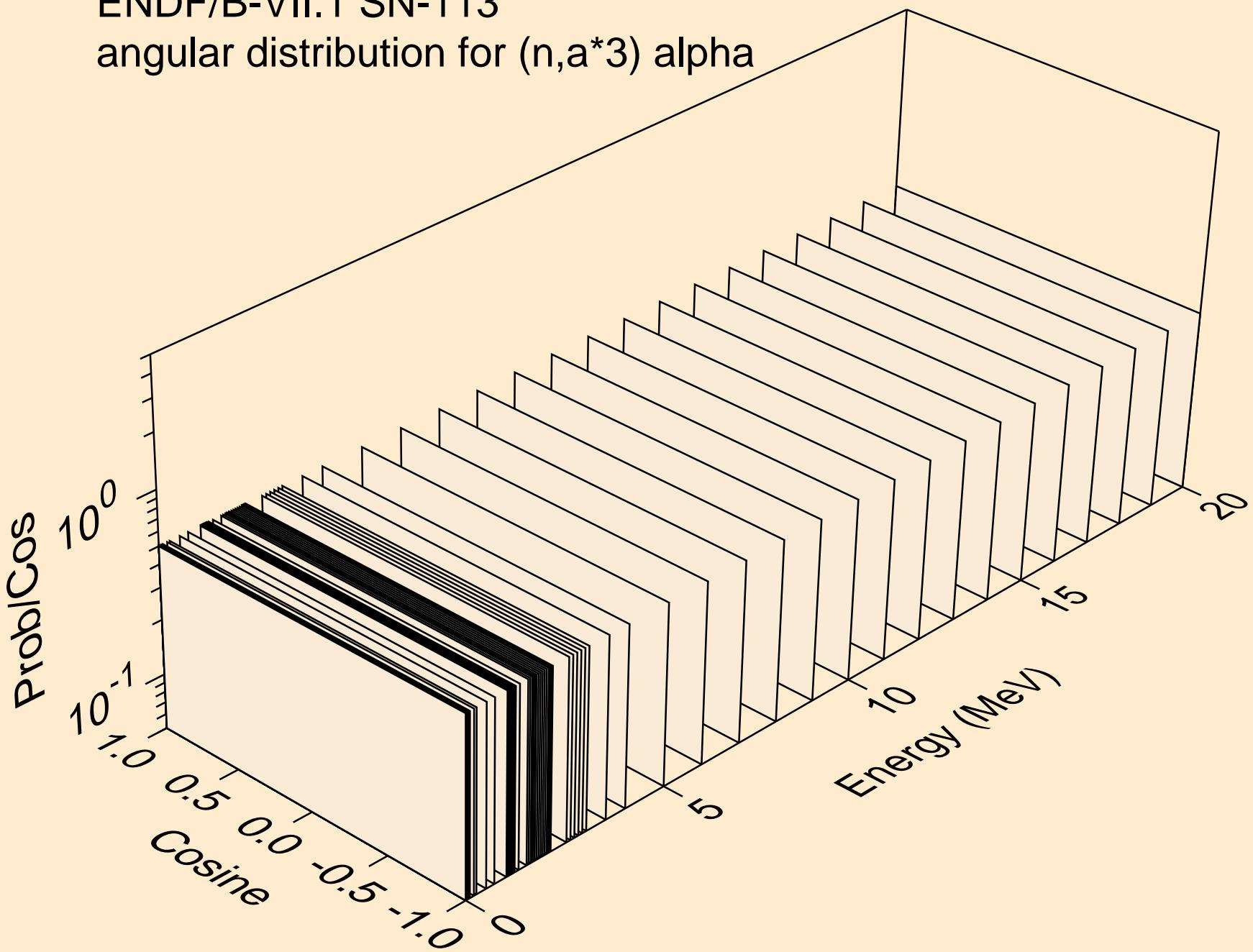
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angular distribution for (n,a\*1) alpha



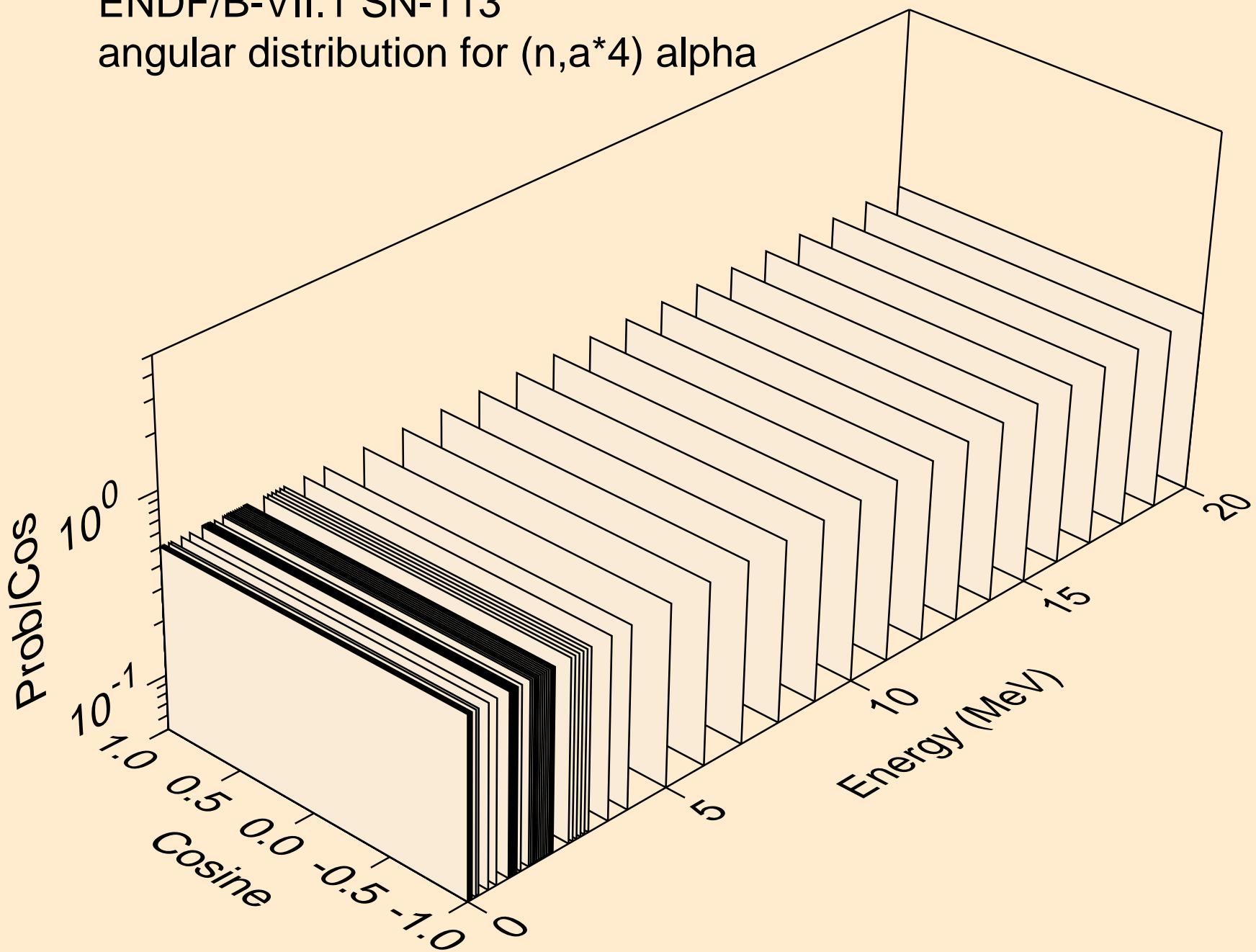
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angular distribution for (n,a\*2) alpha



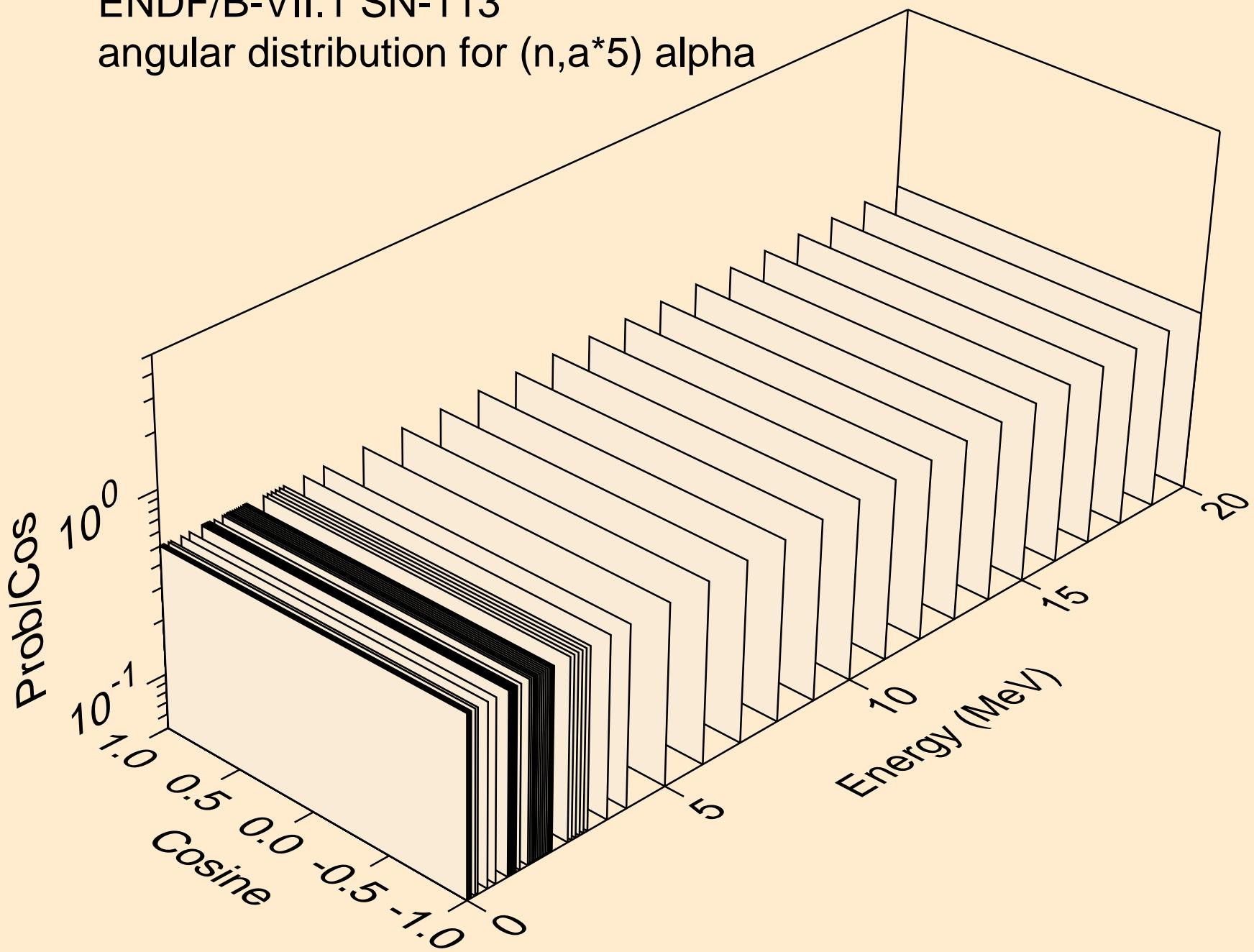
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angular distribution for (n,a\*3) alpha



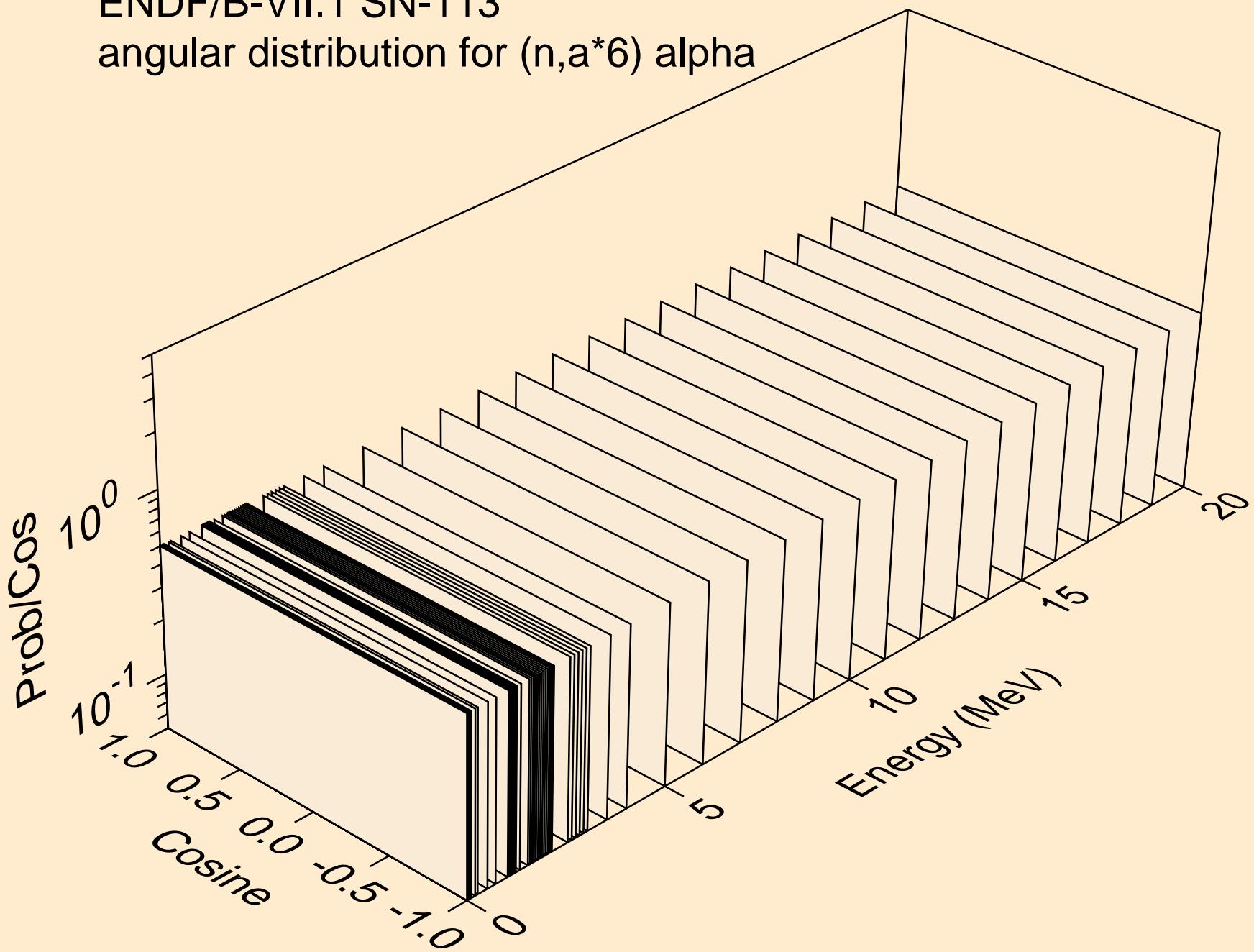
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angular distribution for (n,a\*4) alpha



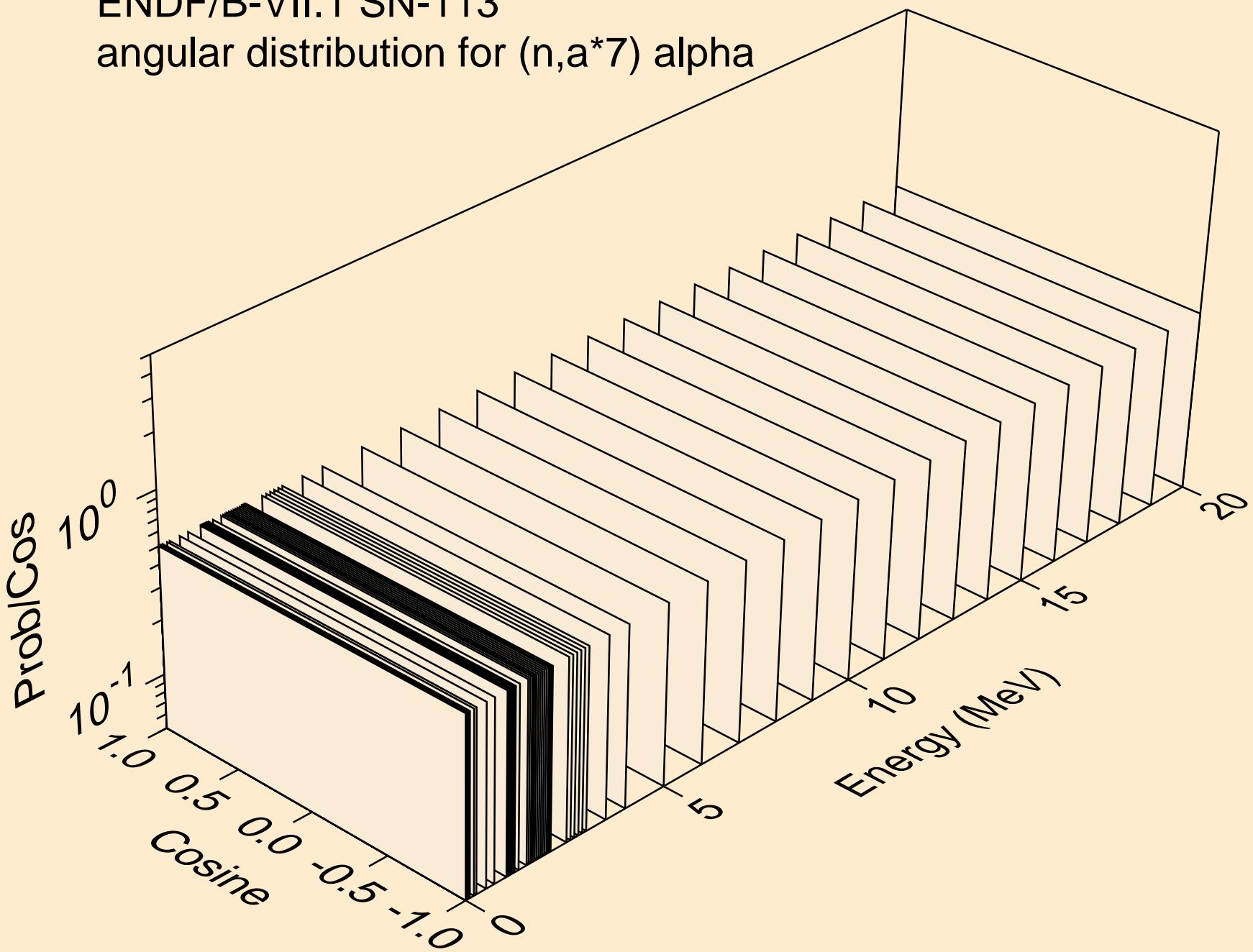
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angular distribution for (n,a\*5) alpha



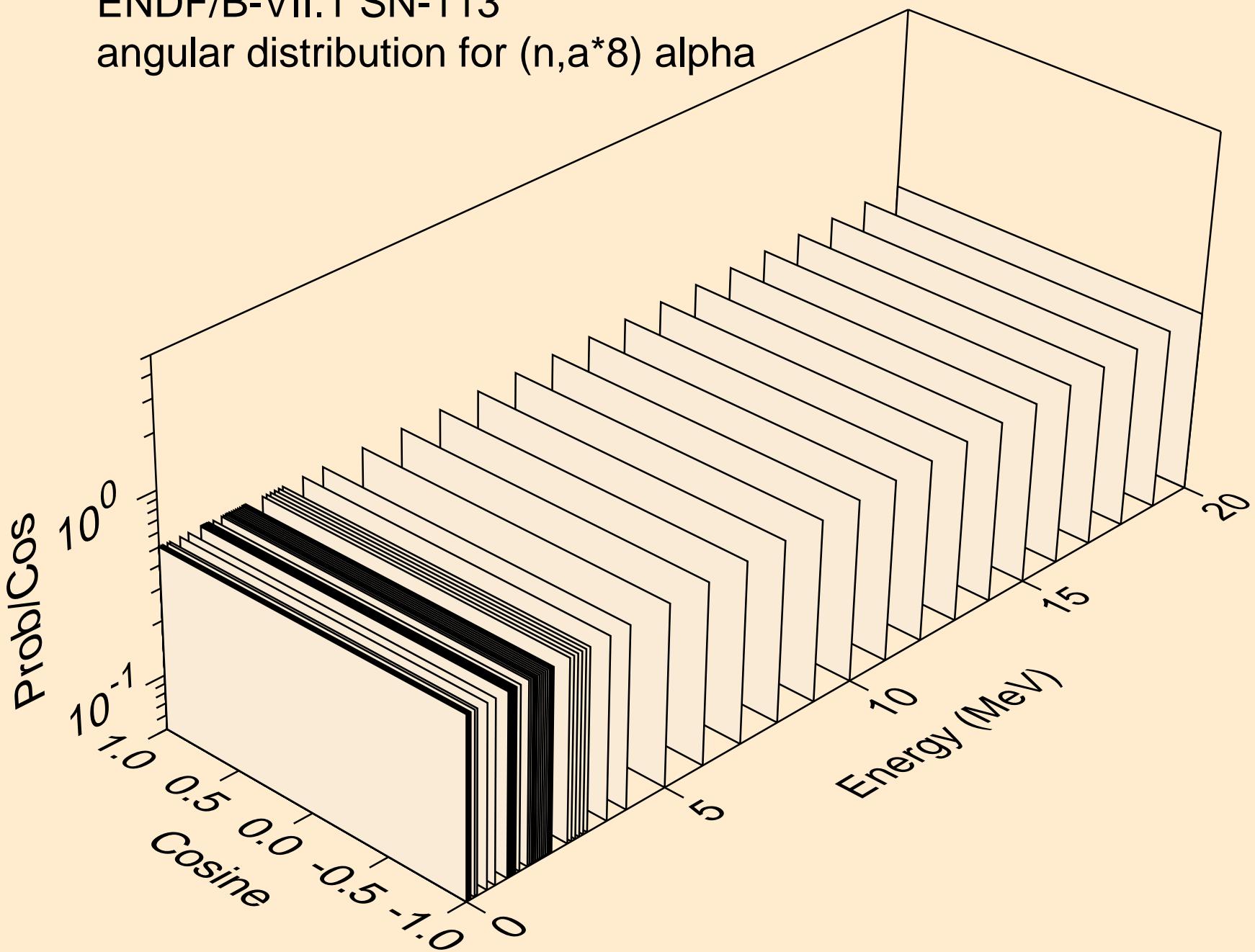
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angular distribution for (n,a\*6) alpha



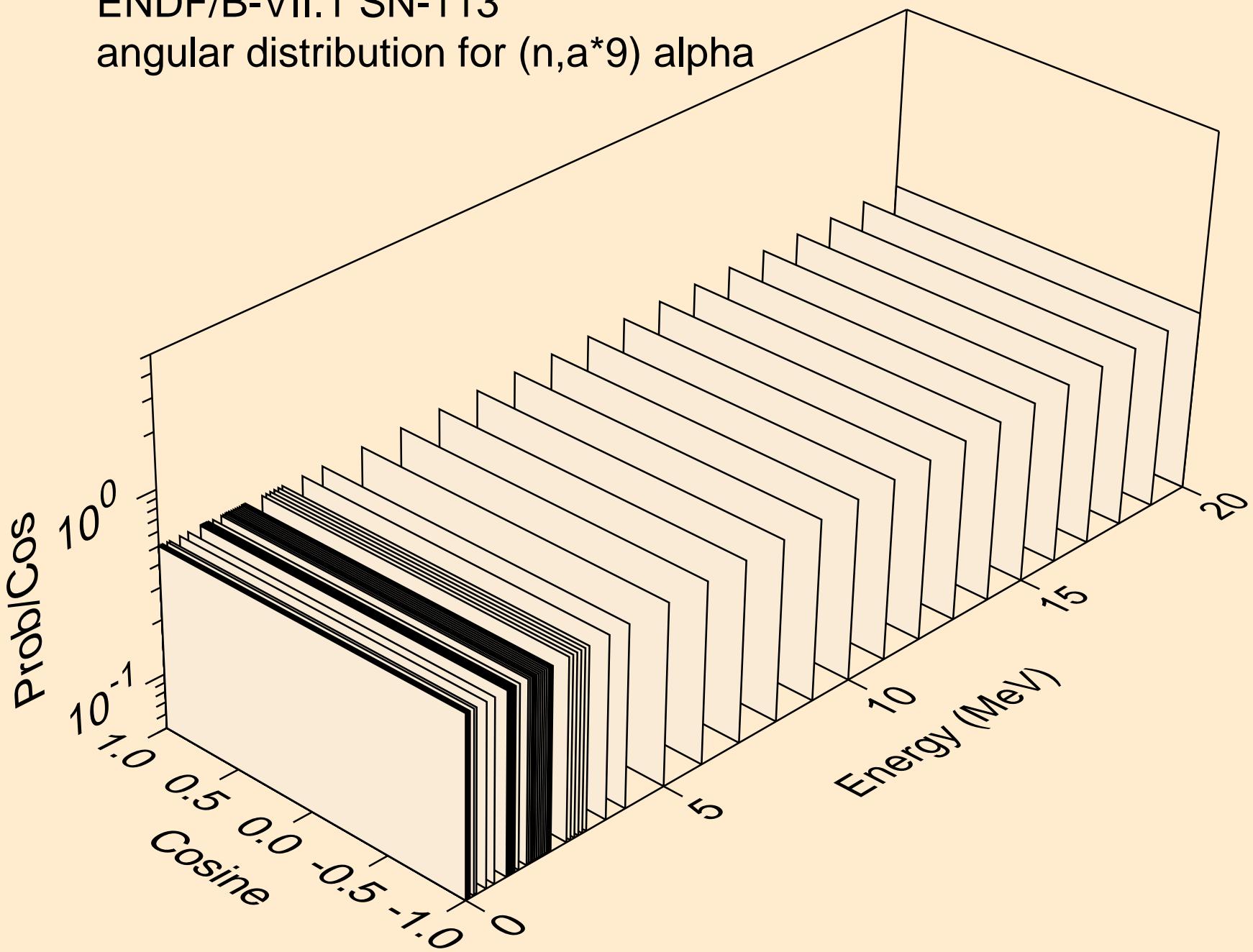
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angular distribution for ( $n,a^*7$ ) alpha



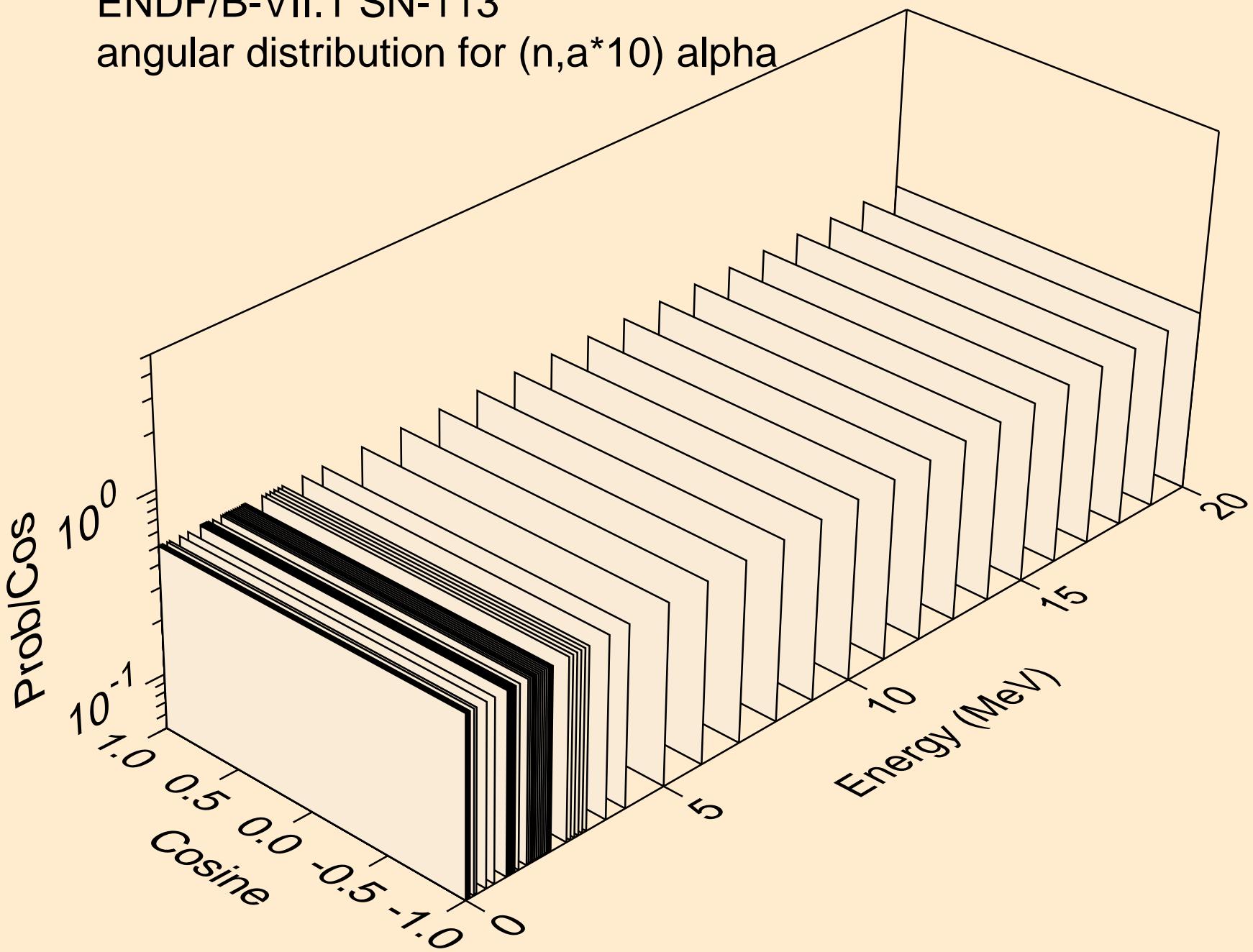
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angular distribution for (n,a\*8) alpha



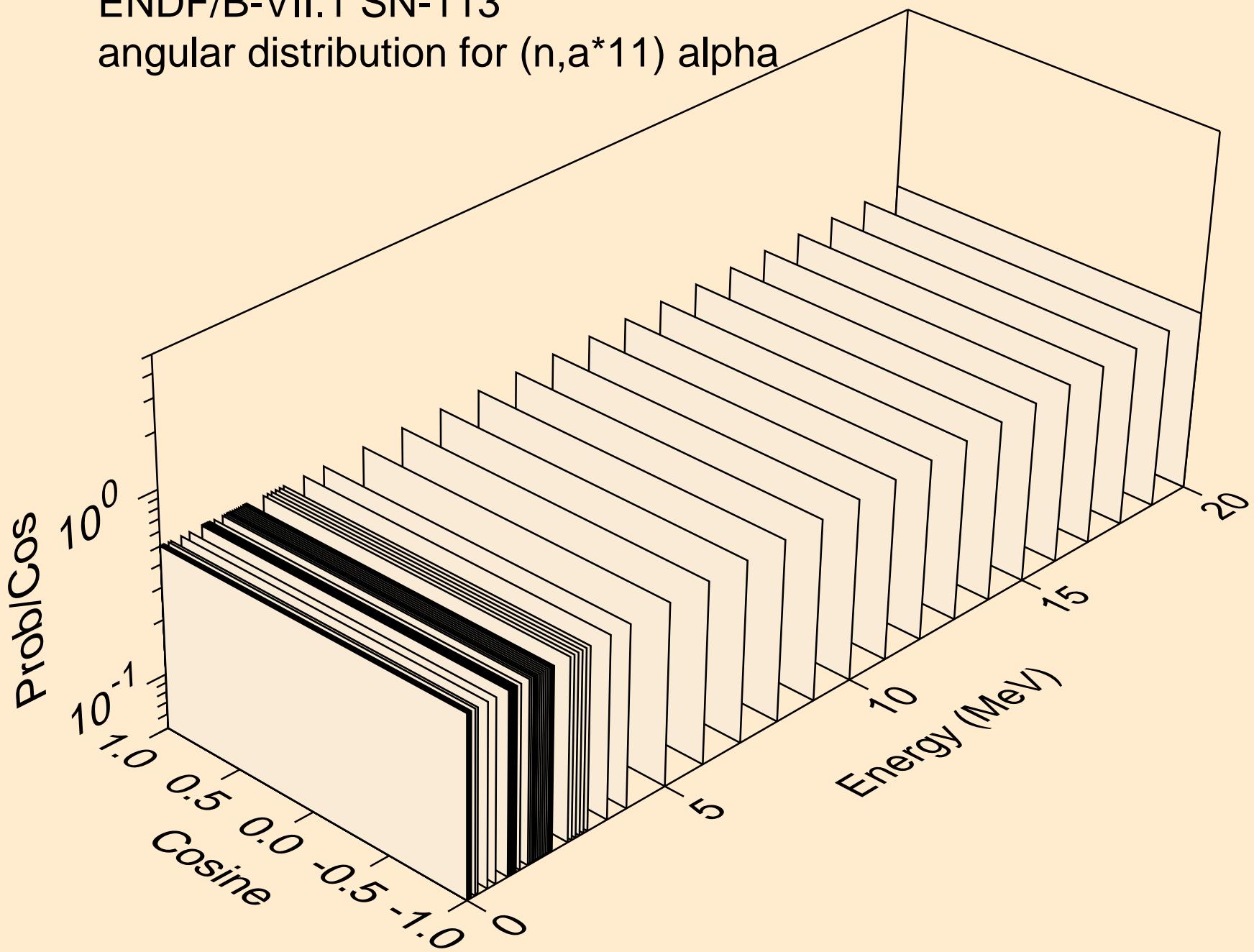
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angular distribution for (n,a\*9) alpha



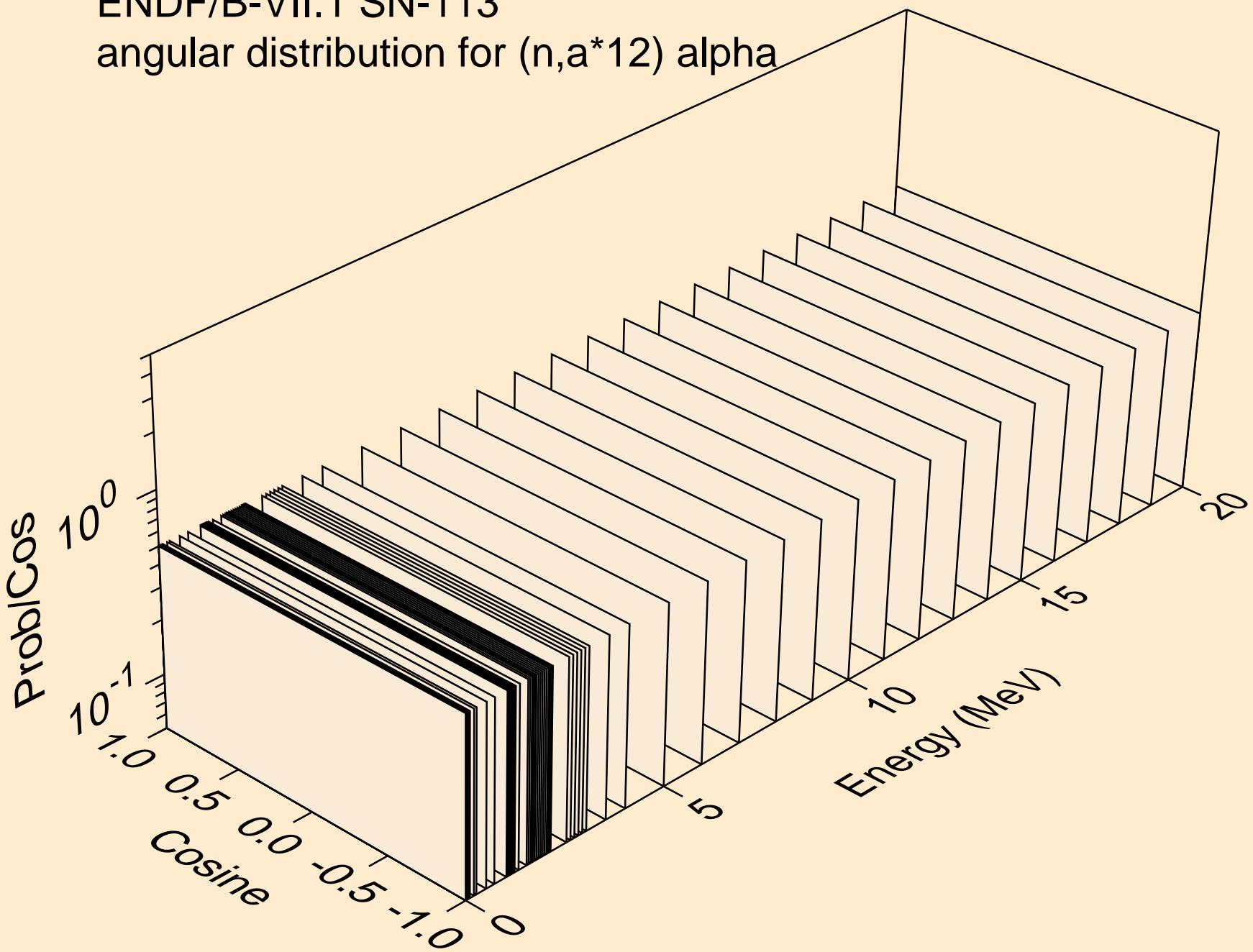
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angular distribution for (n,a\*10) alpha



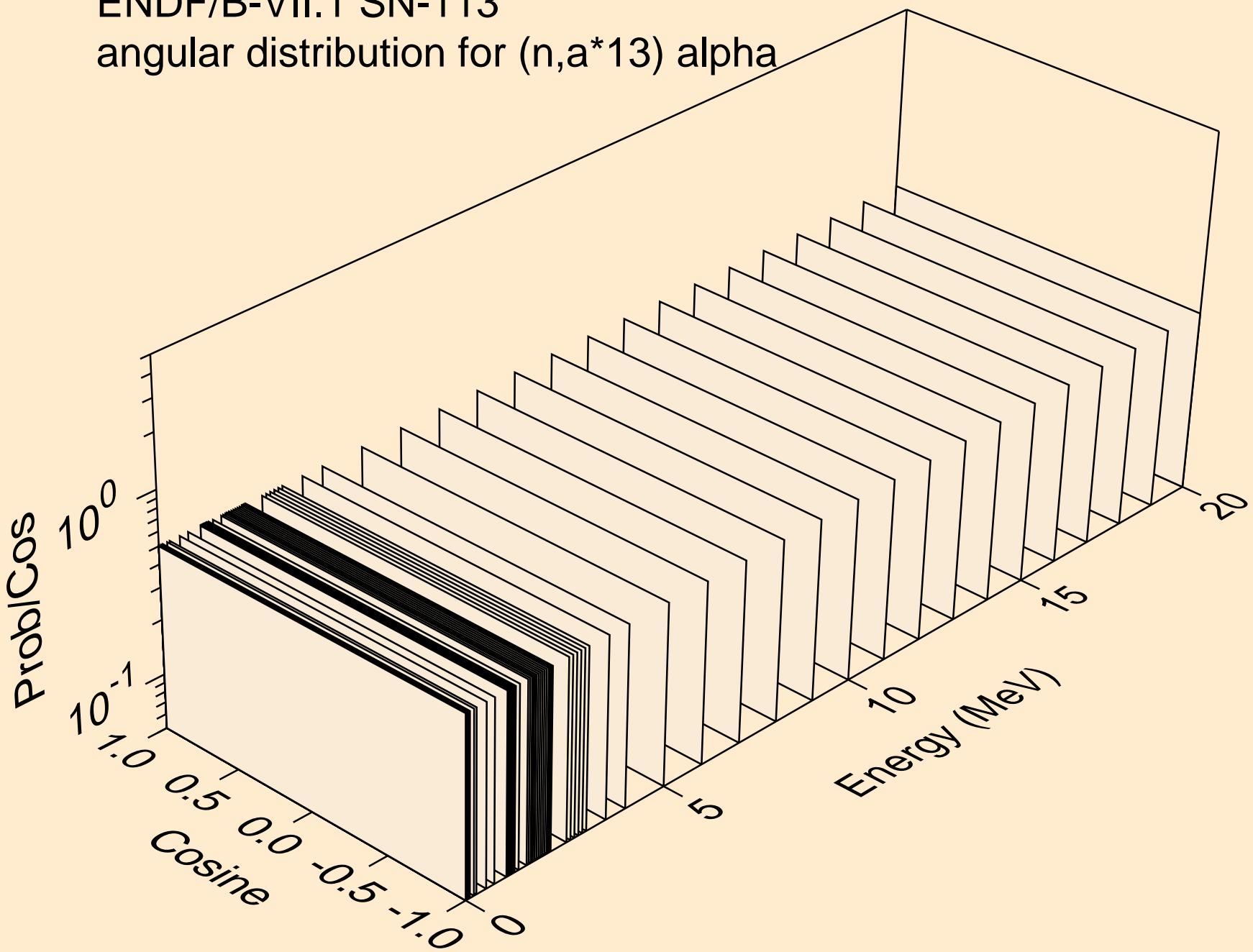
ENDF/B-VII.1 SN-113  
angular distribution for (n,a\*11) alpha



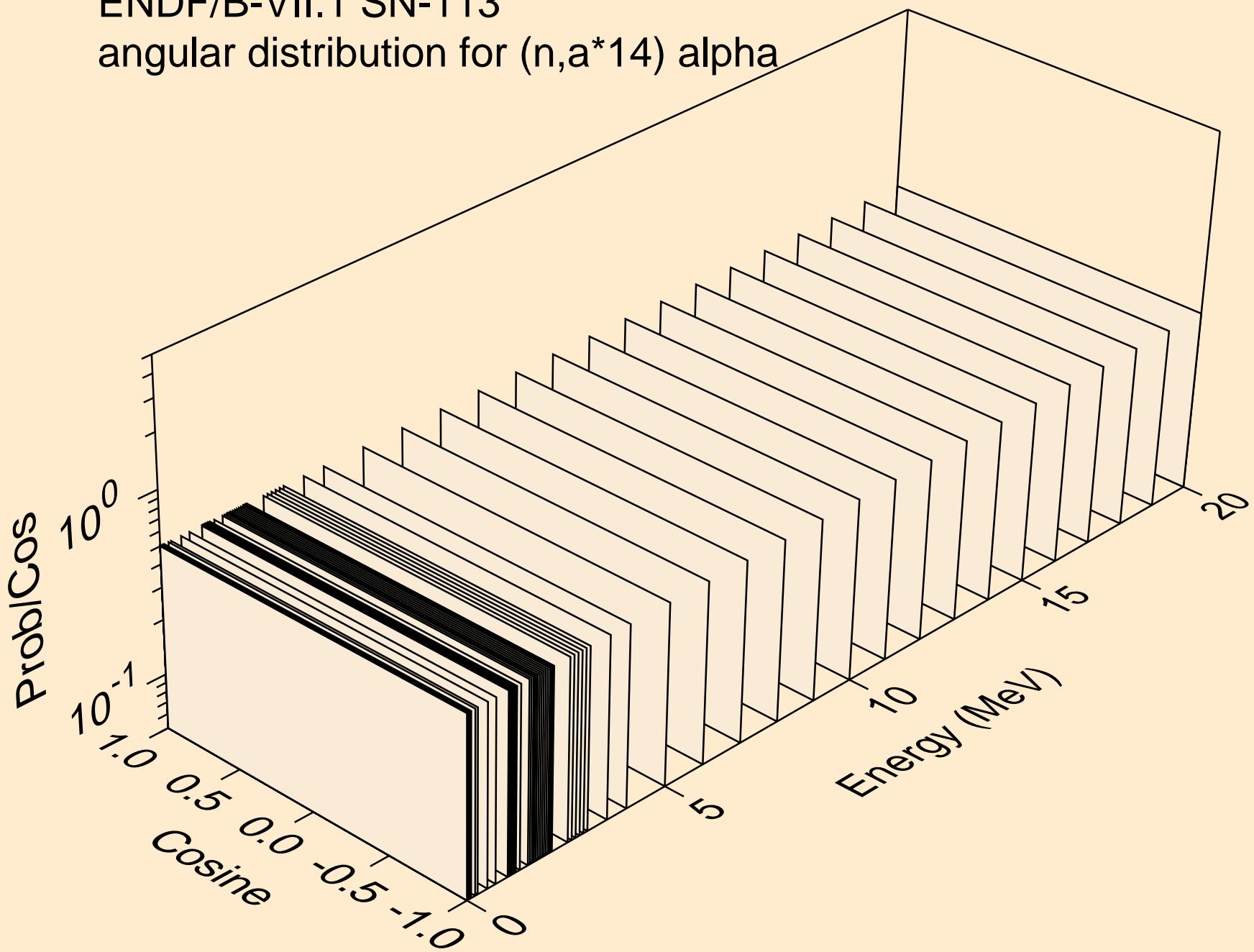
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angular distribution for (n,a\*12) alpha



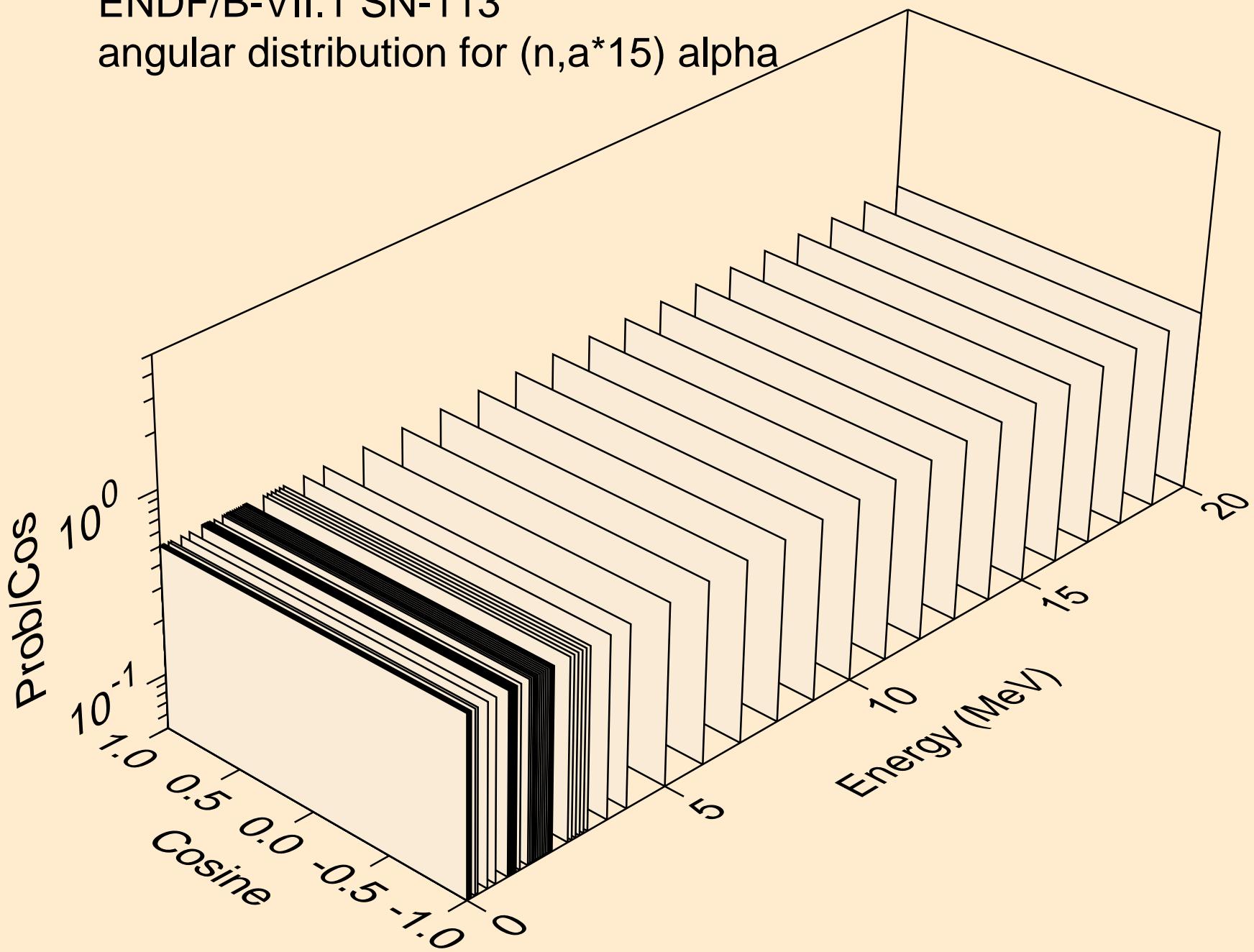
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angular distribution for (n,a\*13) alpha



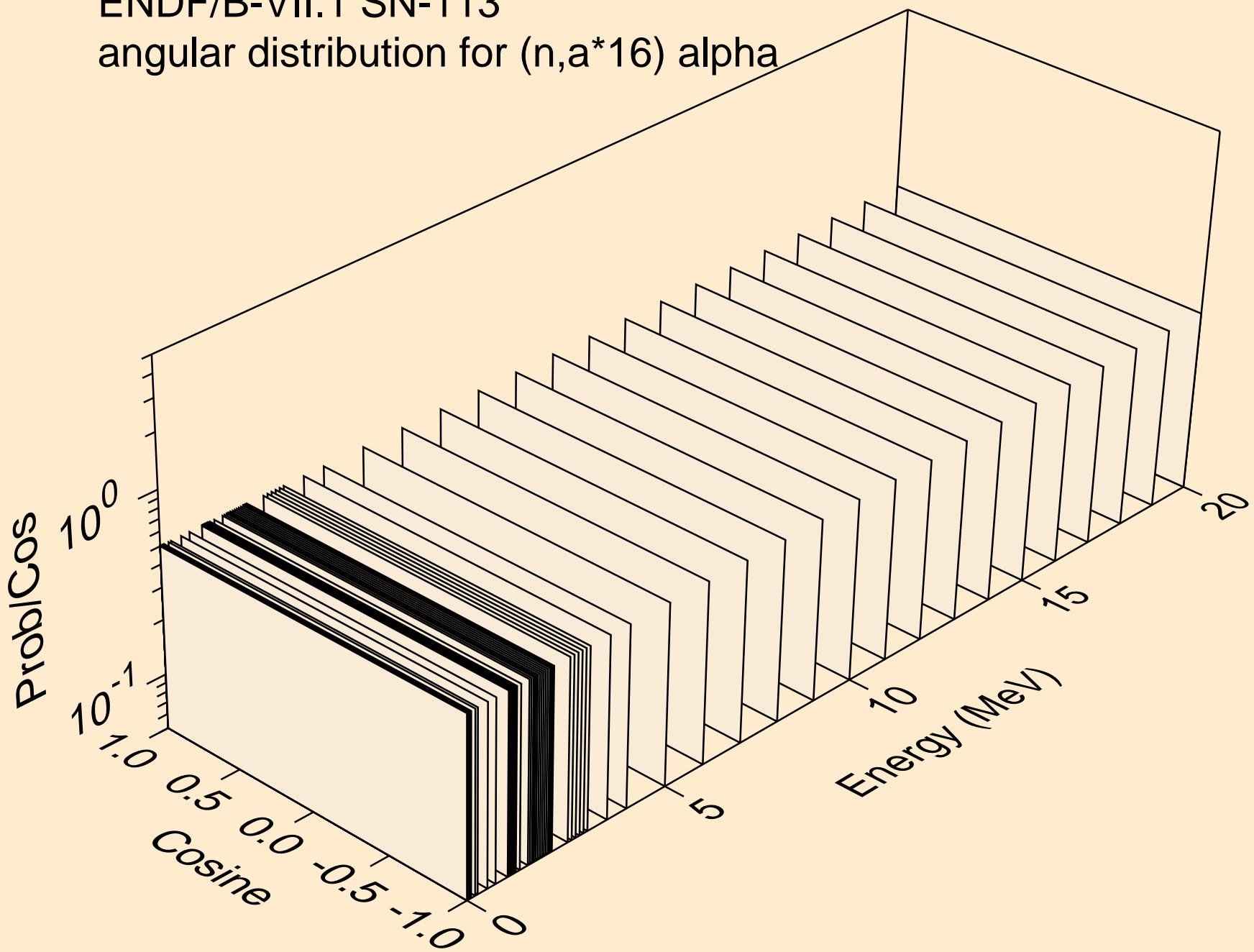
ENDF/B-VII.1 SN-113  
angular distribution for ( $n,a^*14$ ) alpha



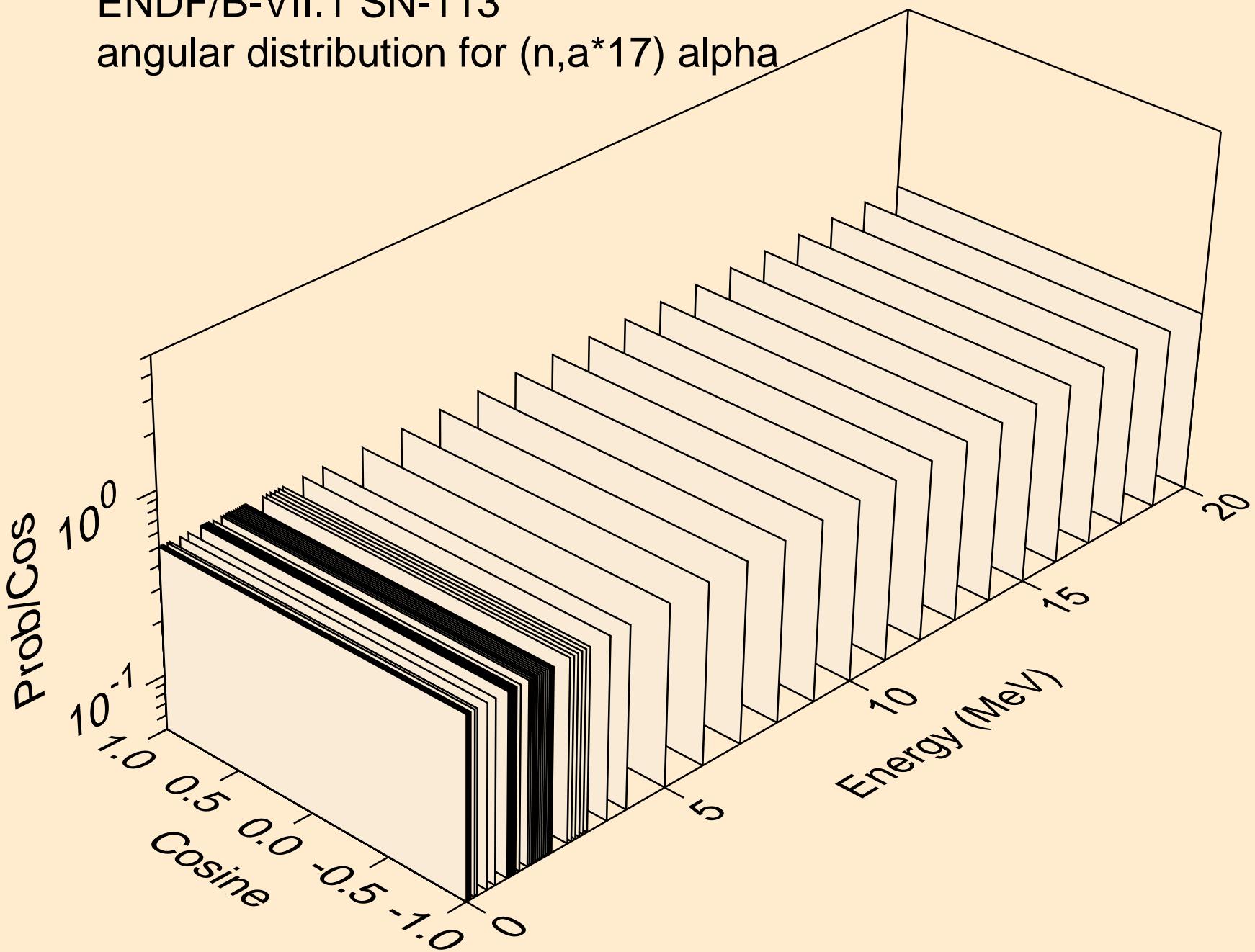
ENDF/B-VII.1 SN-113  
angular distribution for (n,a\*15) alpha



ENDF/B-VII.1 SN-113  
angular distribution for (n,a\*16) alpha



ENDF/B-VII.1 SN-113  
angular distribution for (n,a\*17) alpha



ENDF/B-VII.1 SN-113  
alphas from  $(n, a^* c)$

