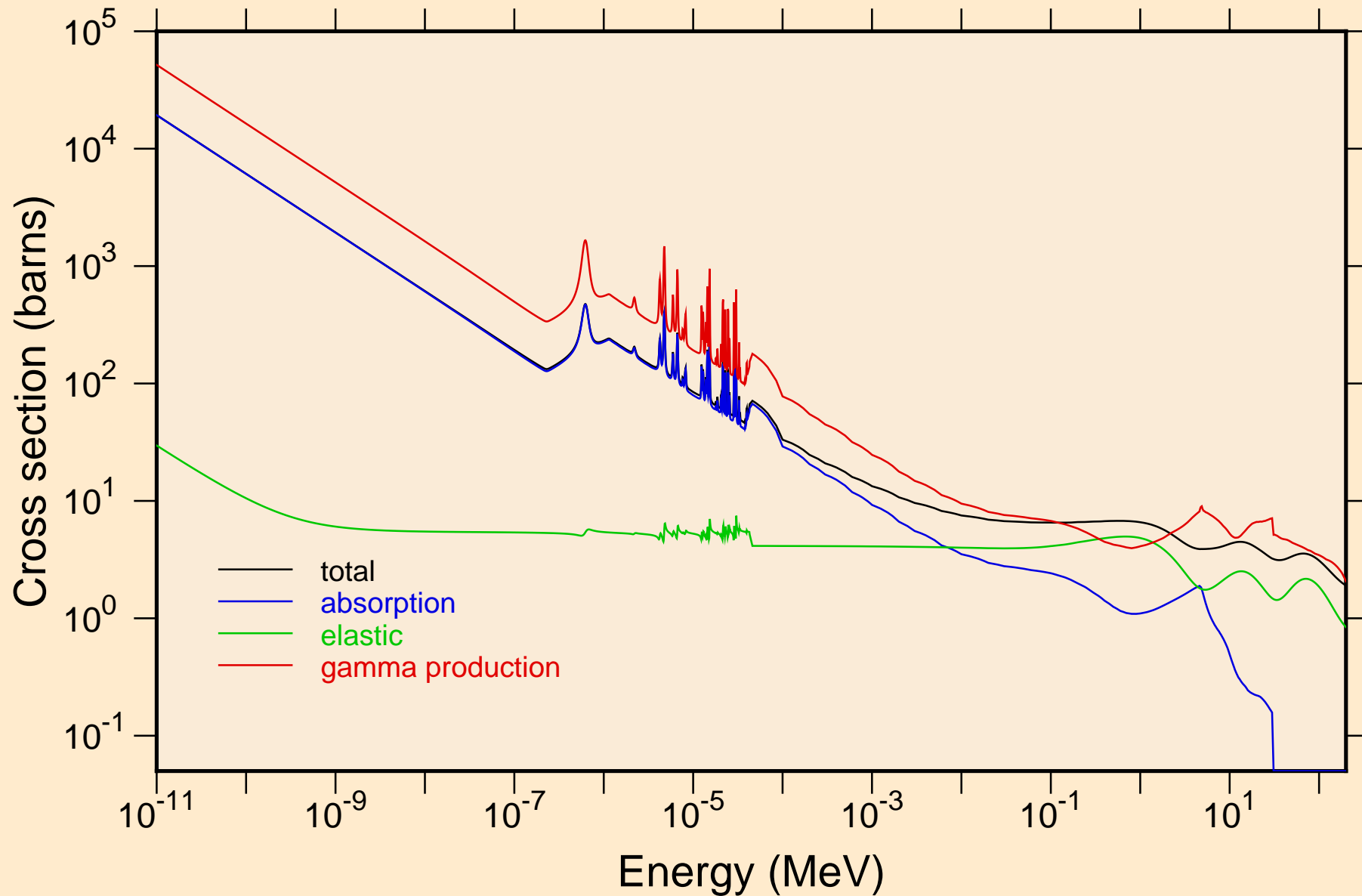
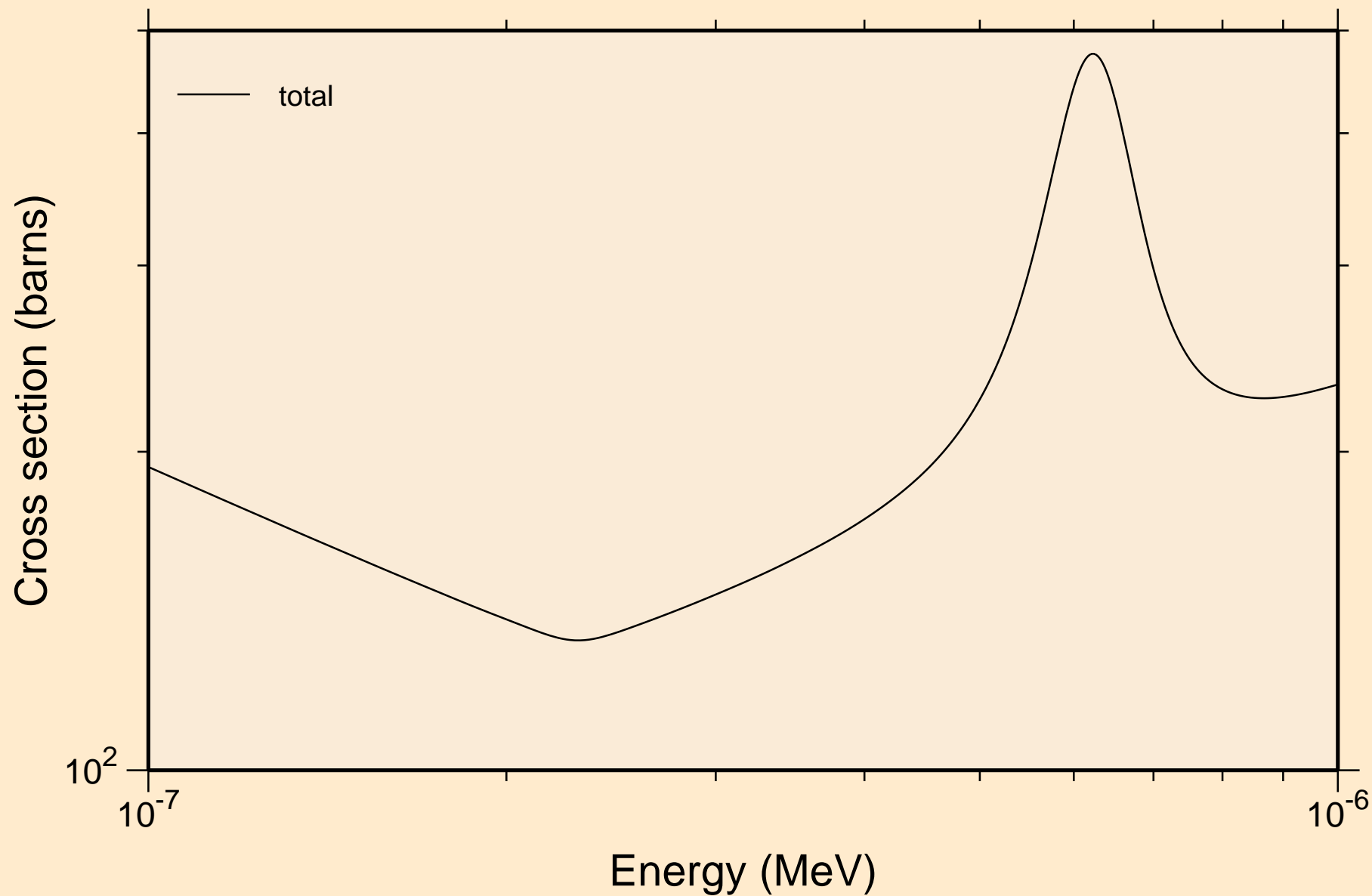


# SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

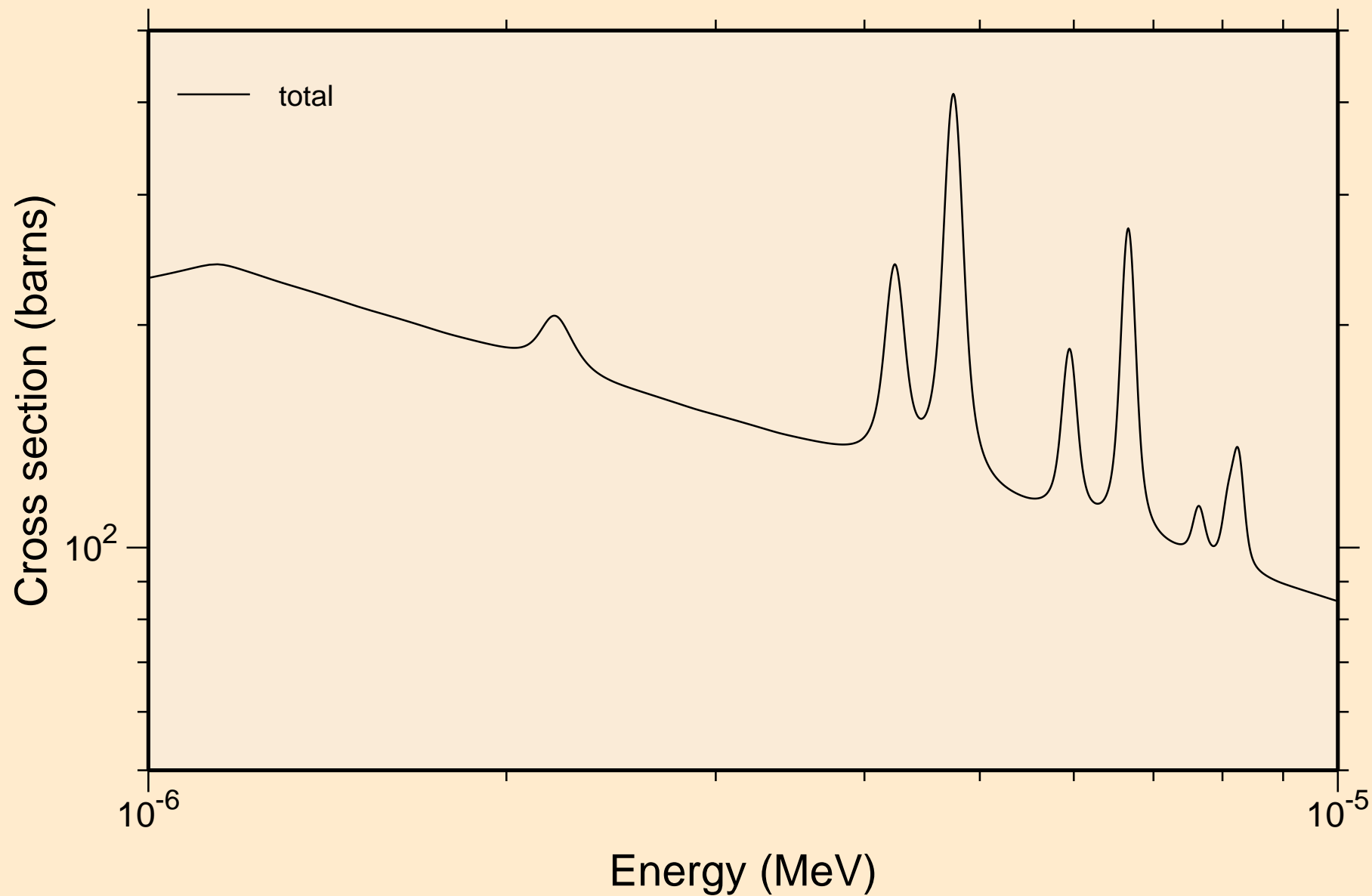
## Principal cross sections



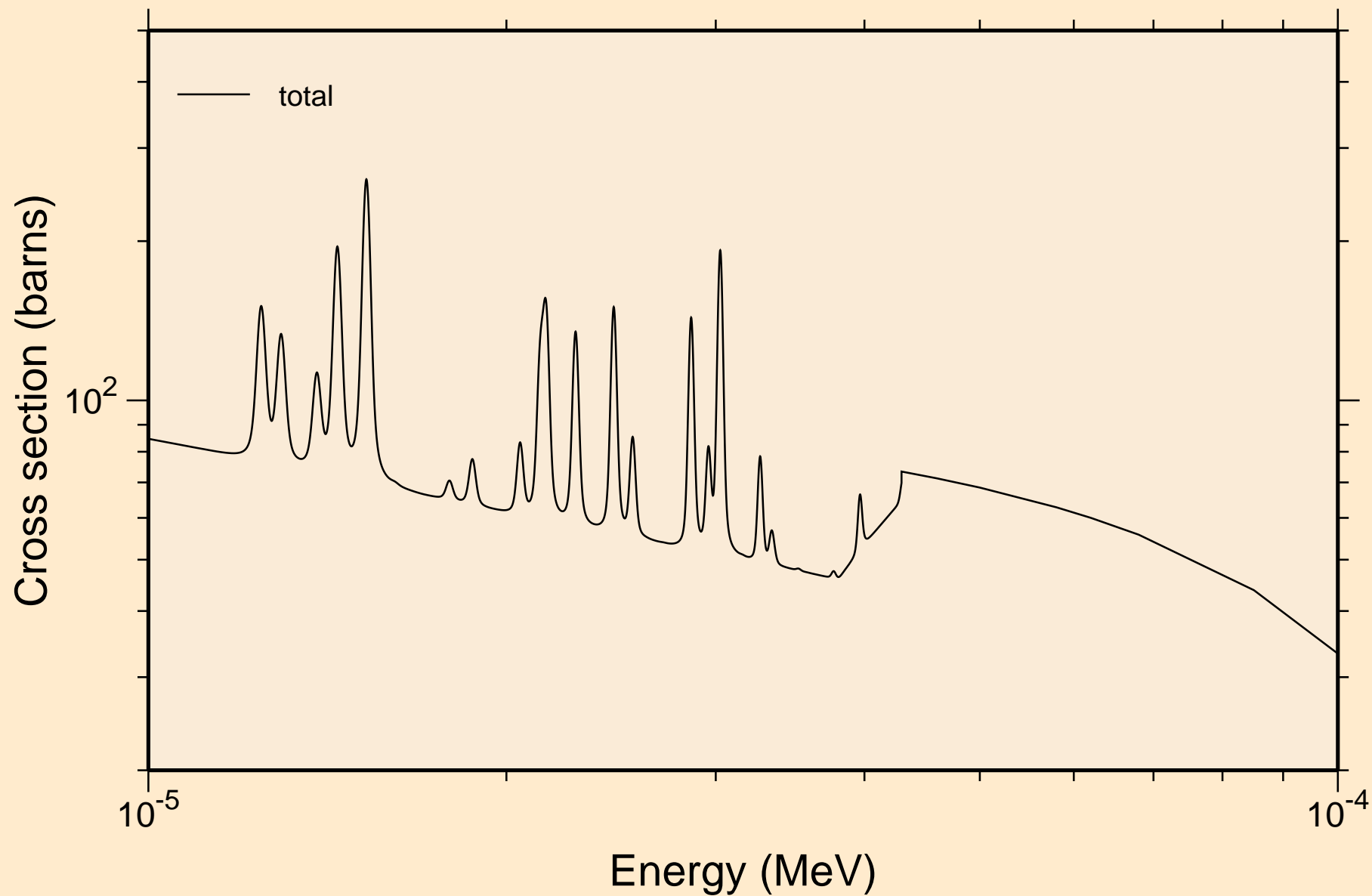
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



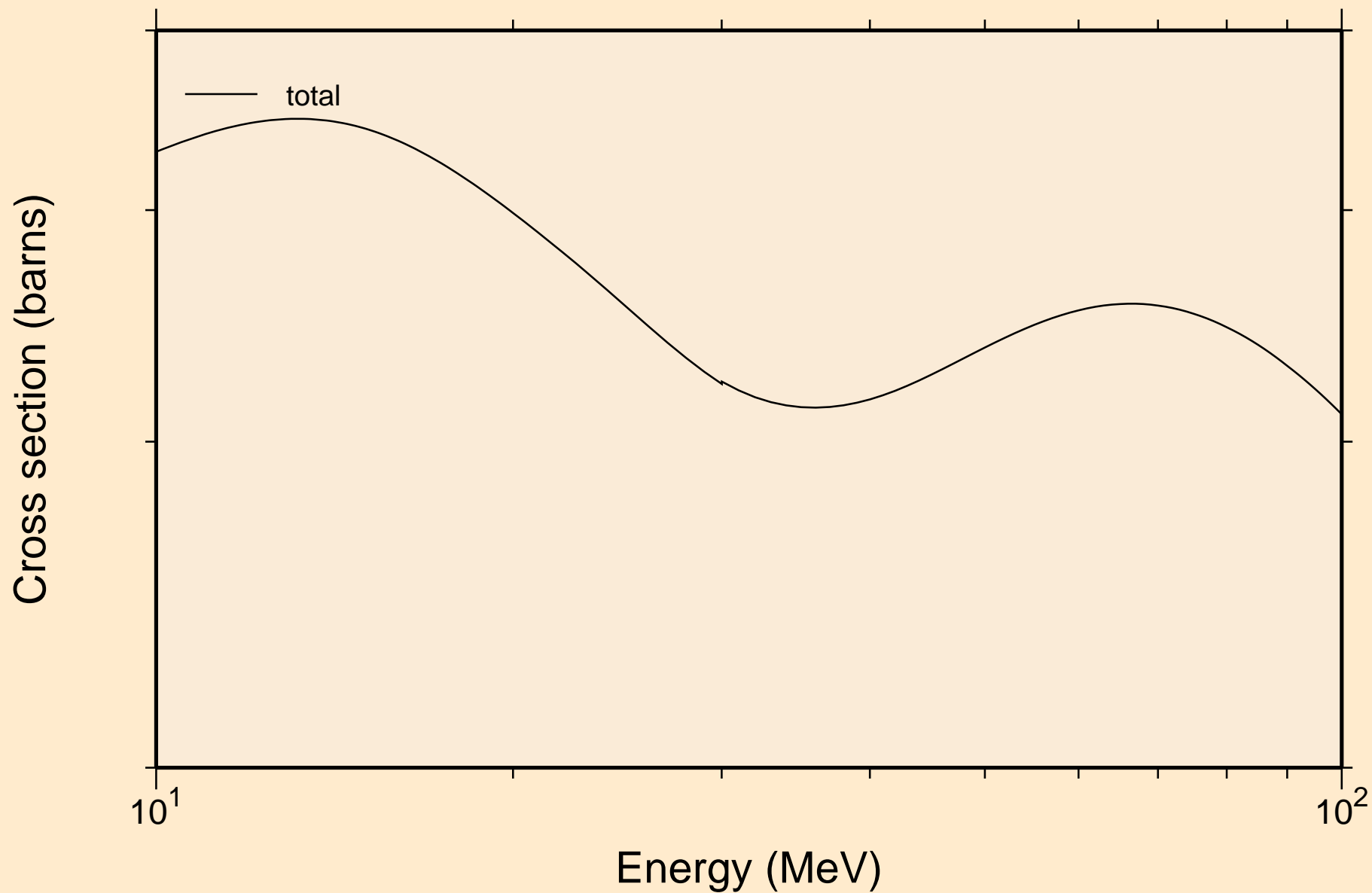
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



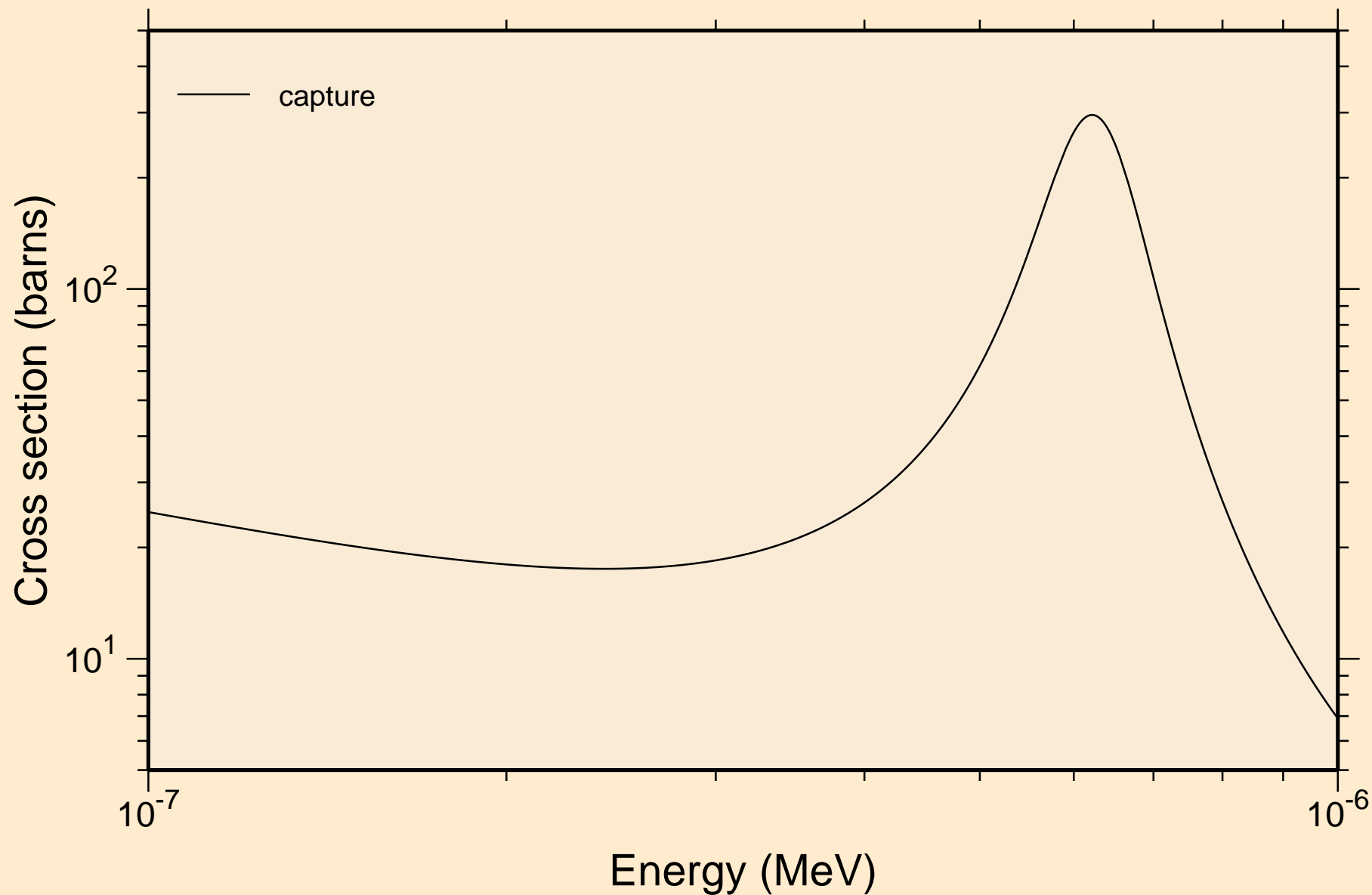
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



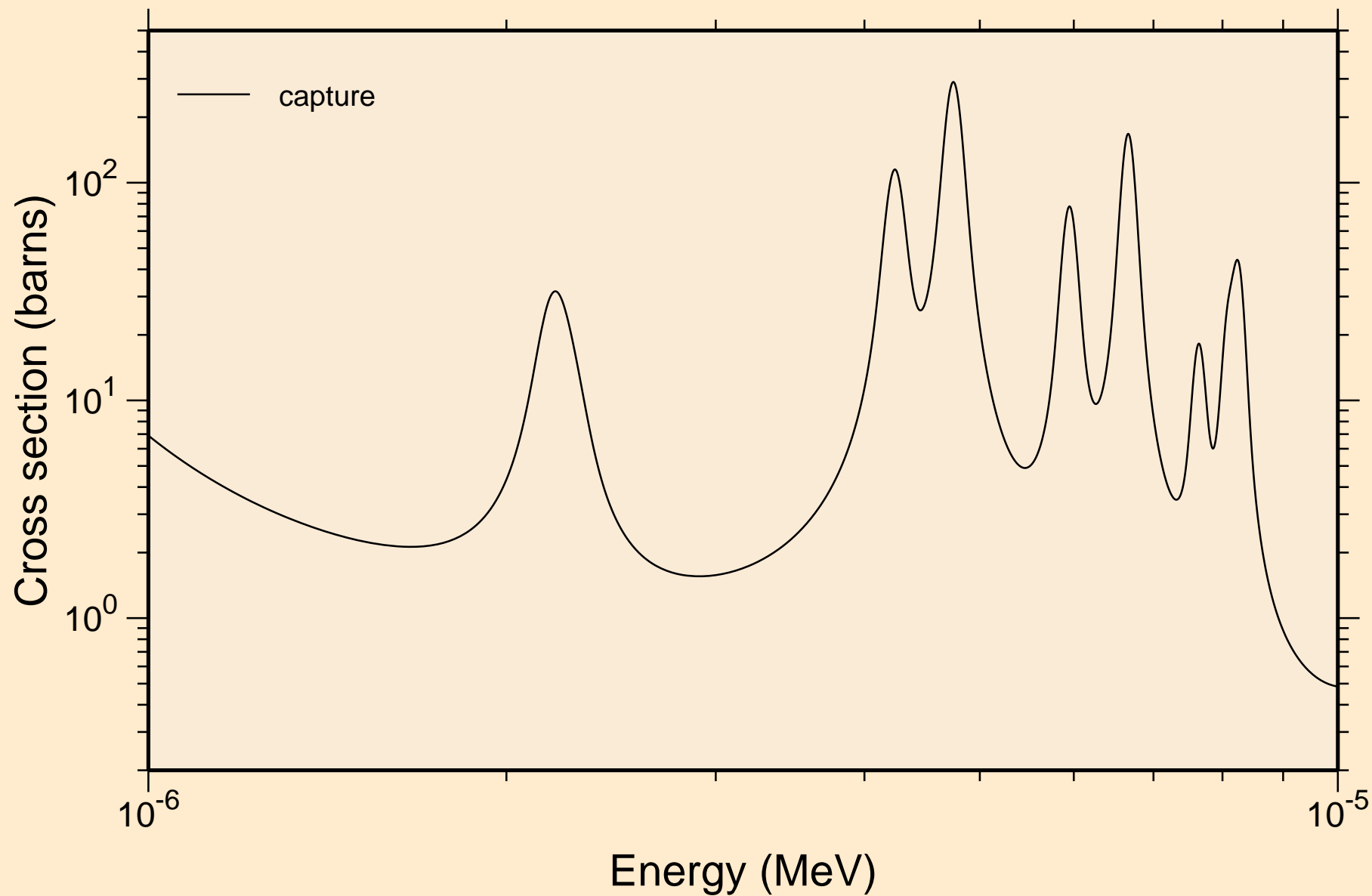
S $\bar{B}$ 112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



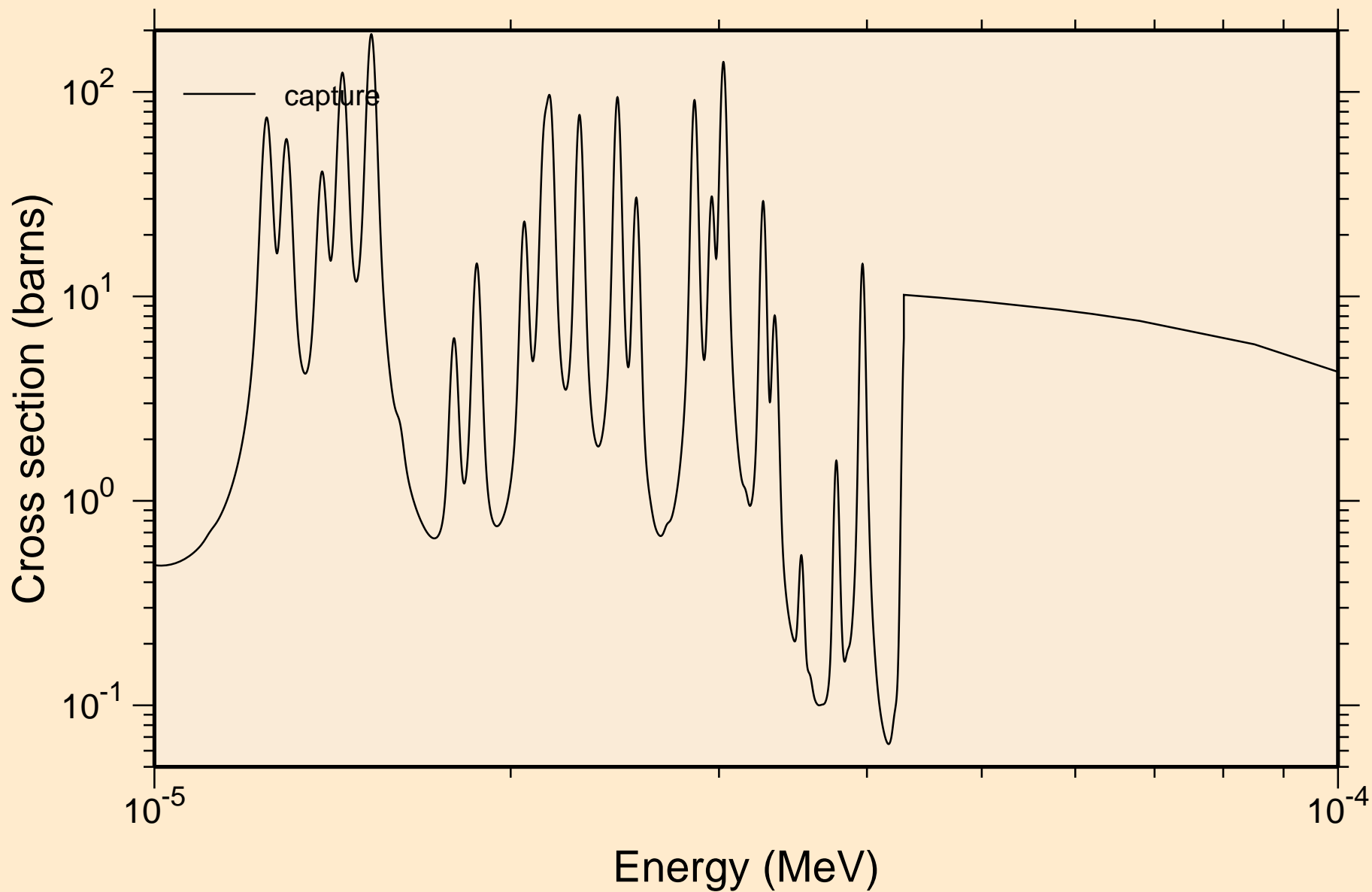
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

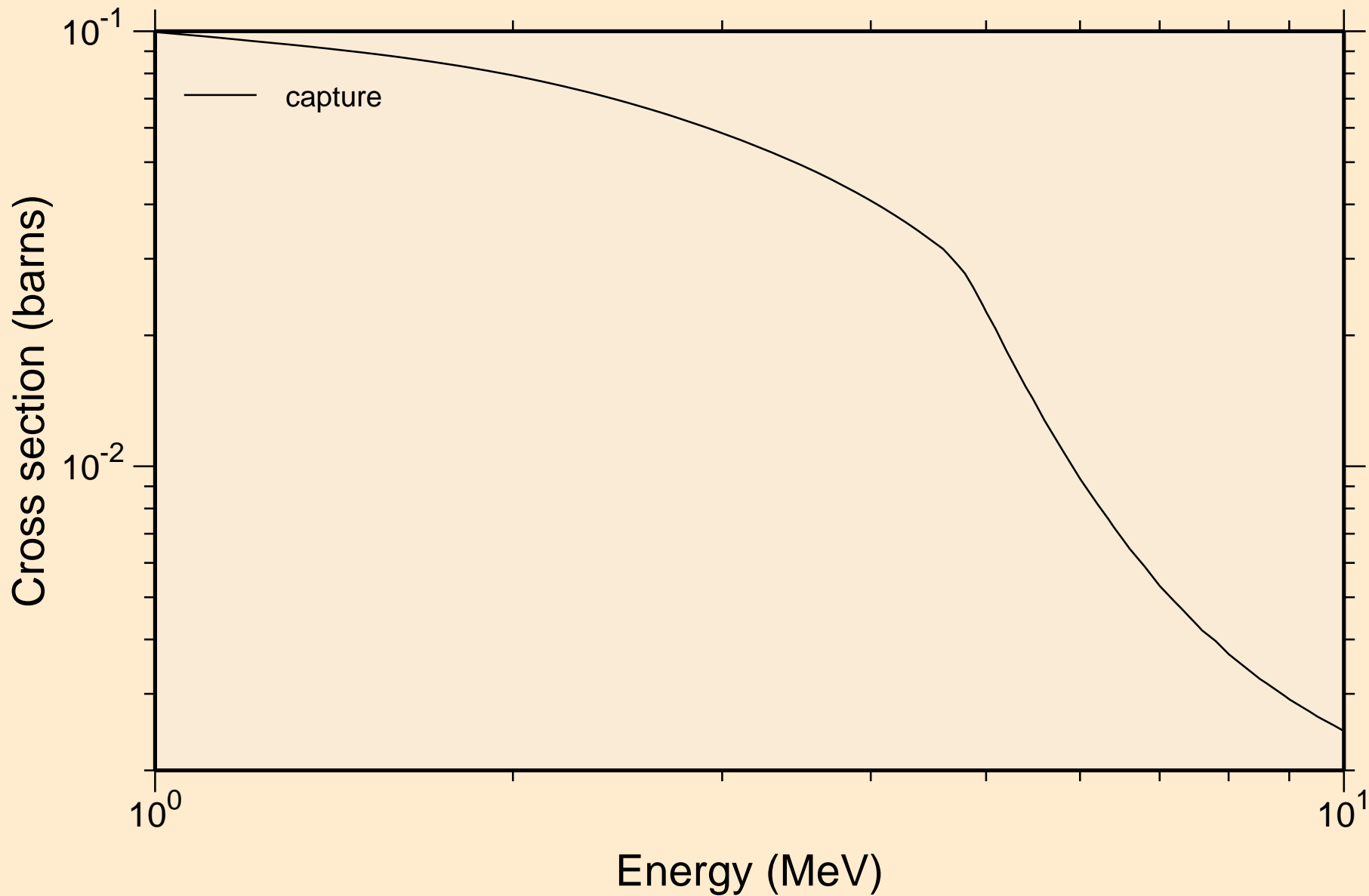


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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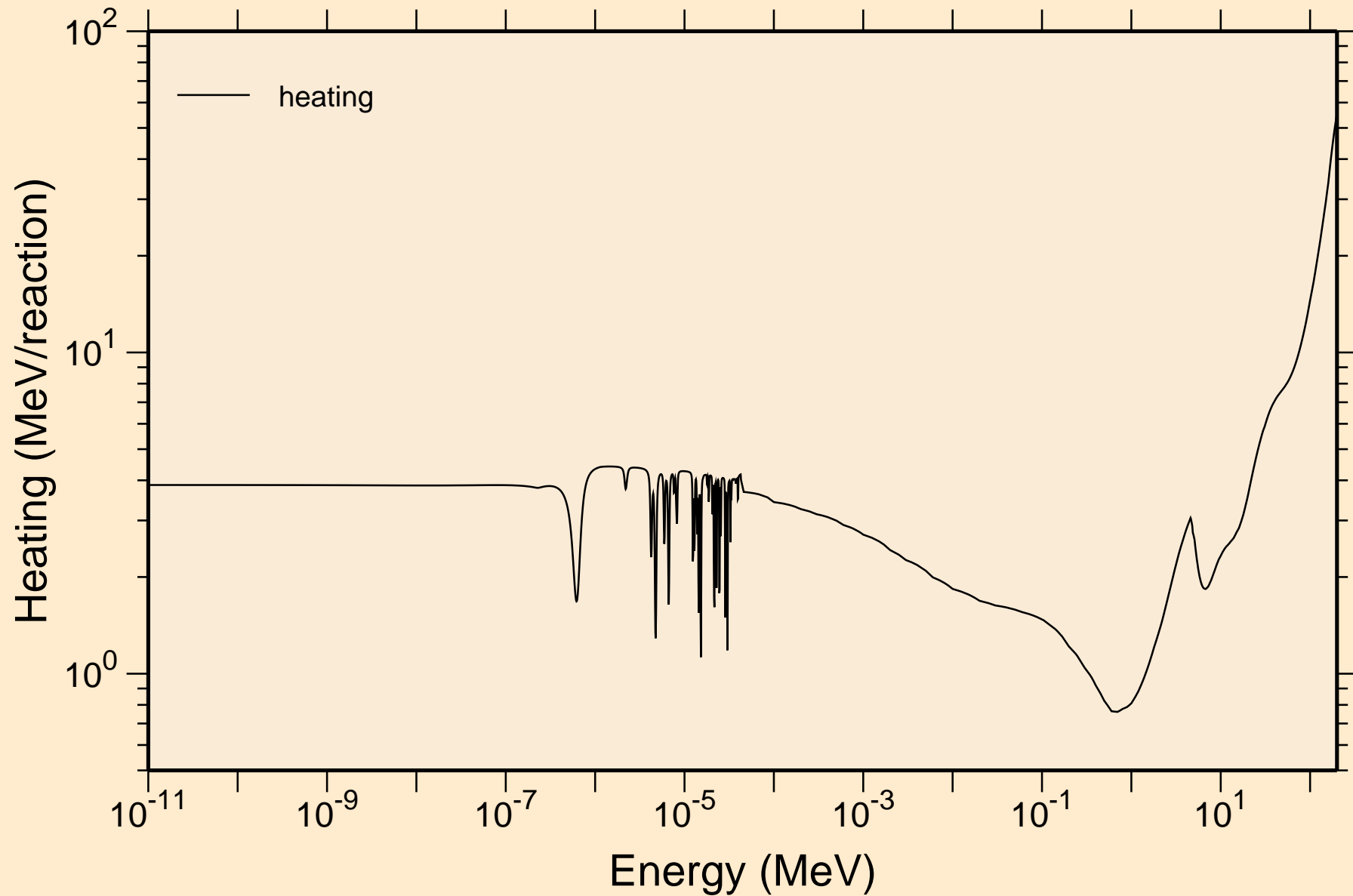




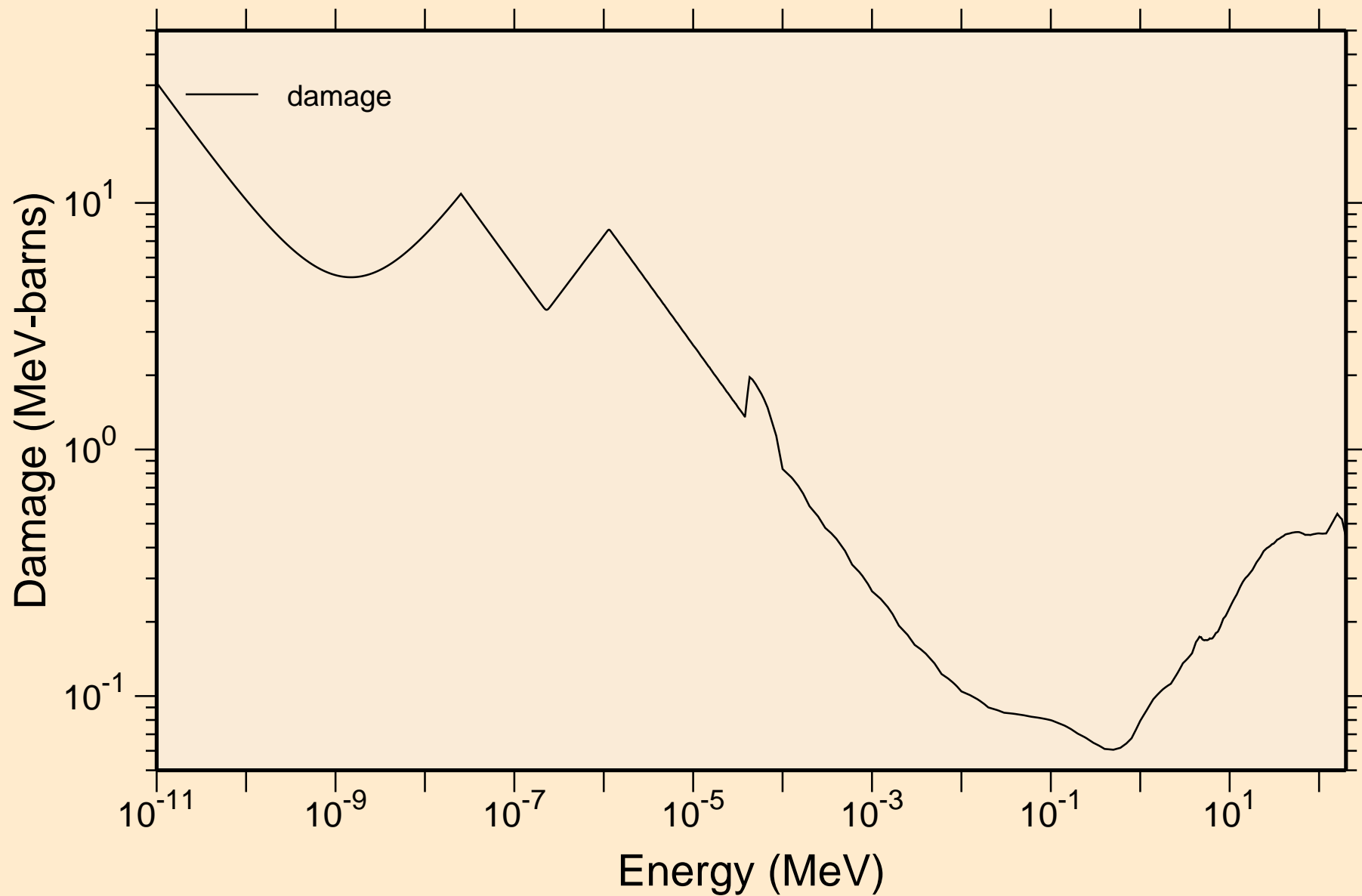
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



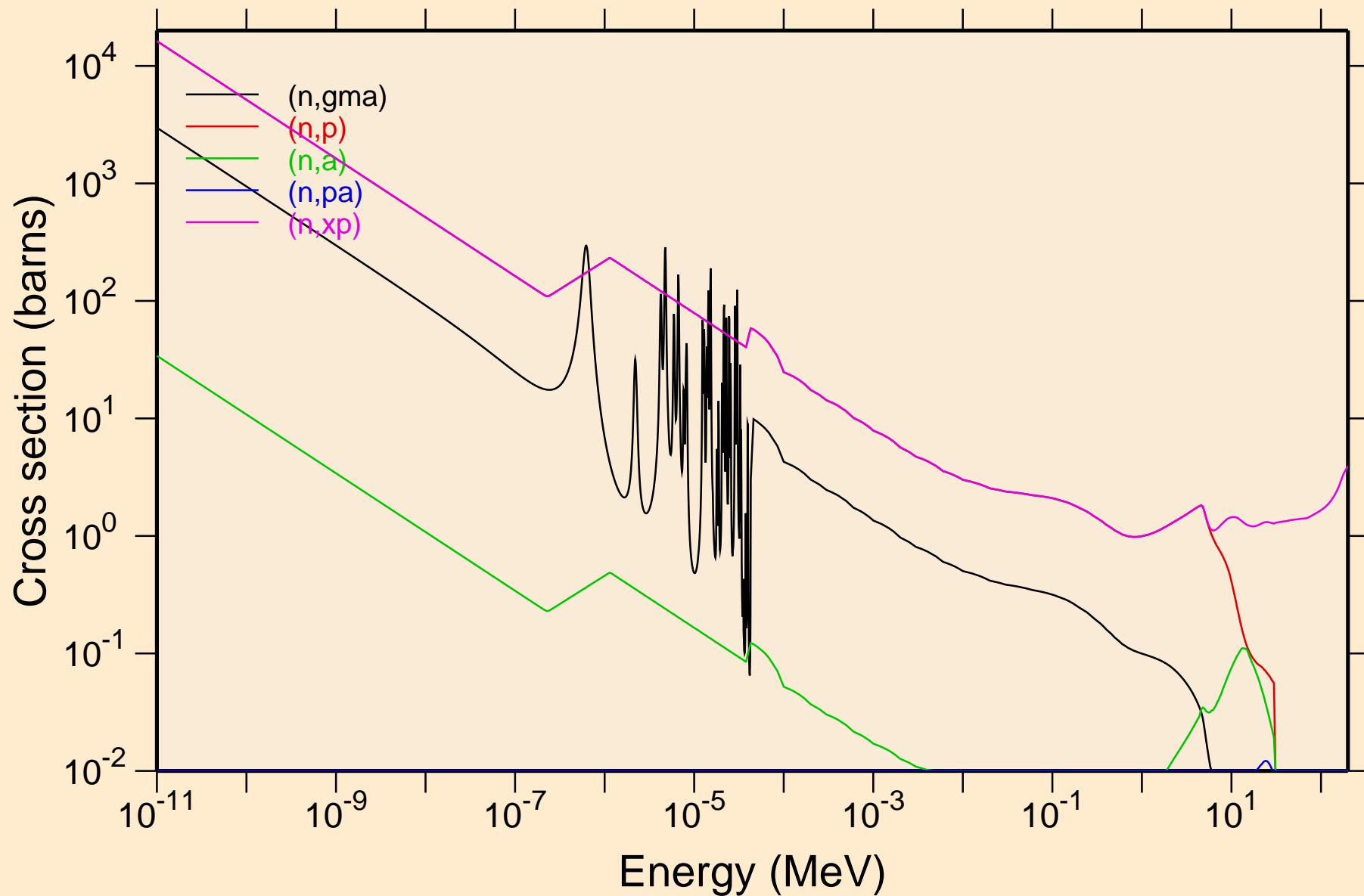
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



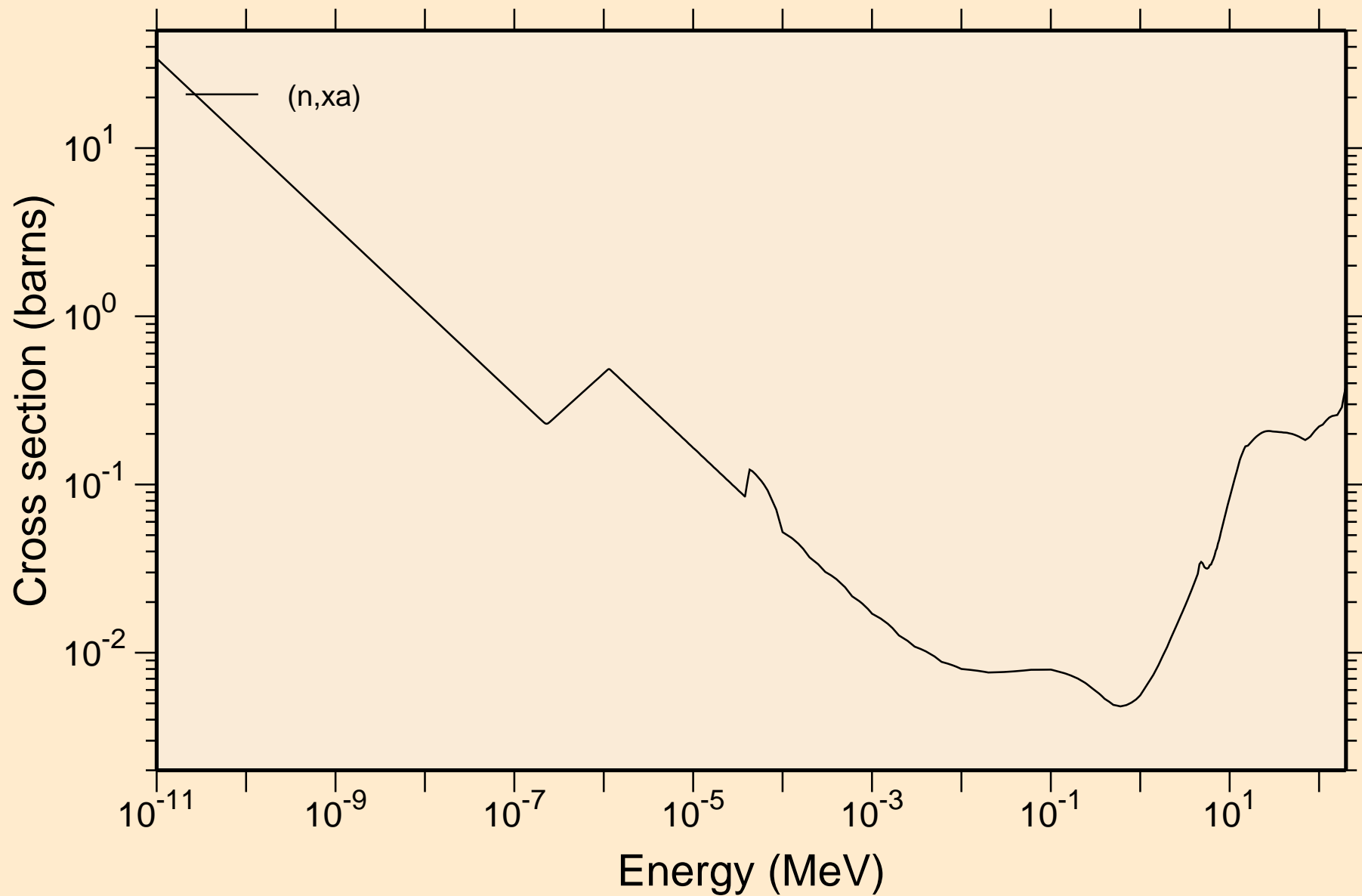
# SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



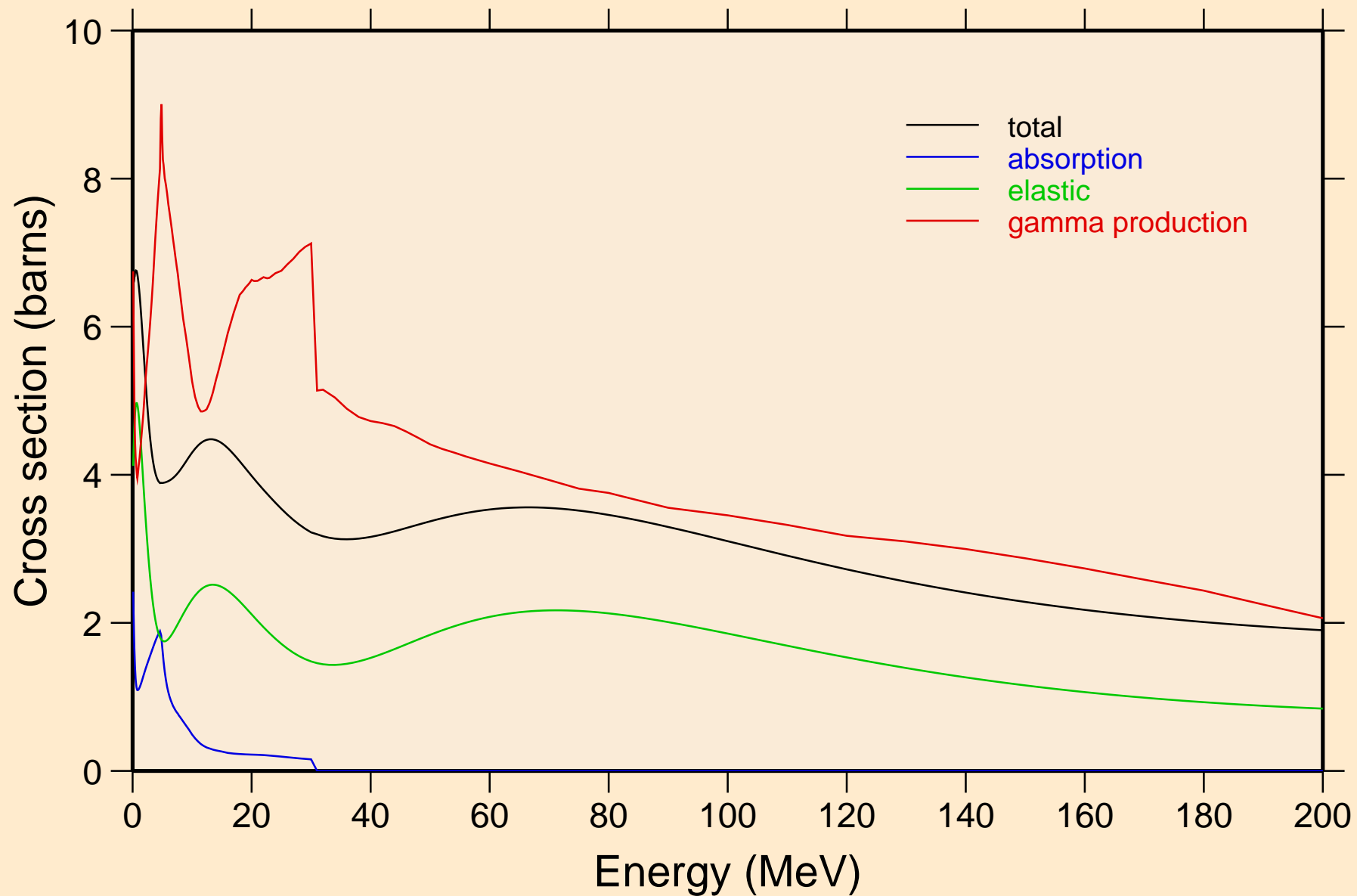
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



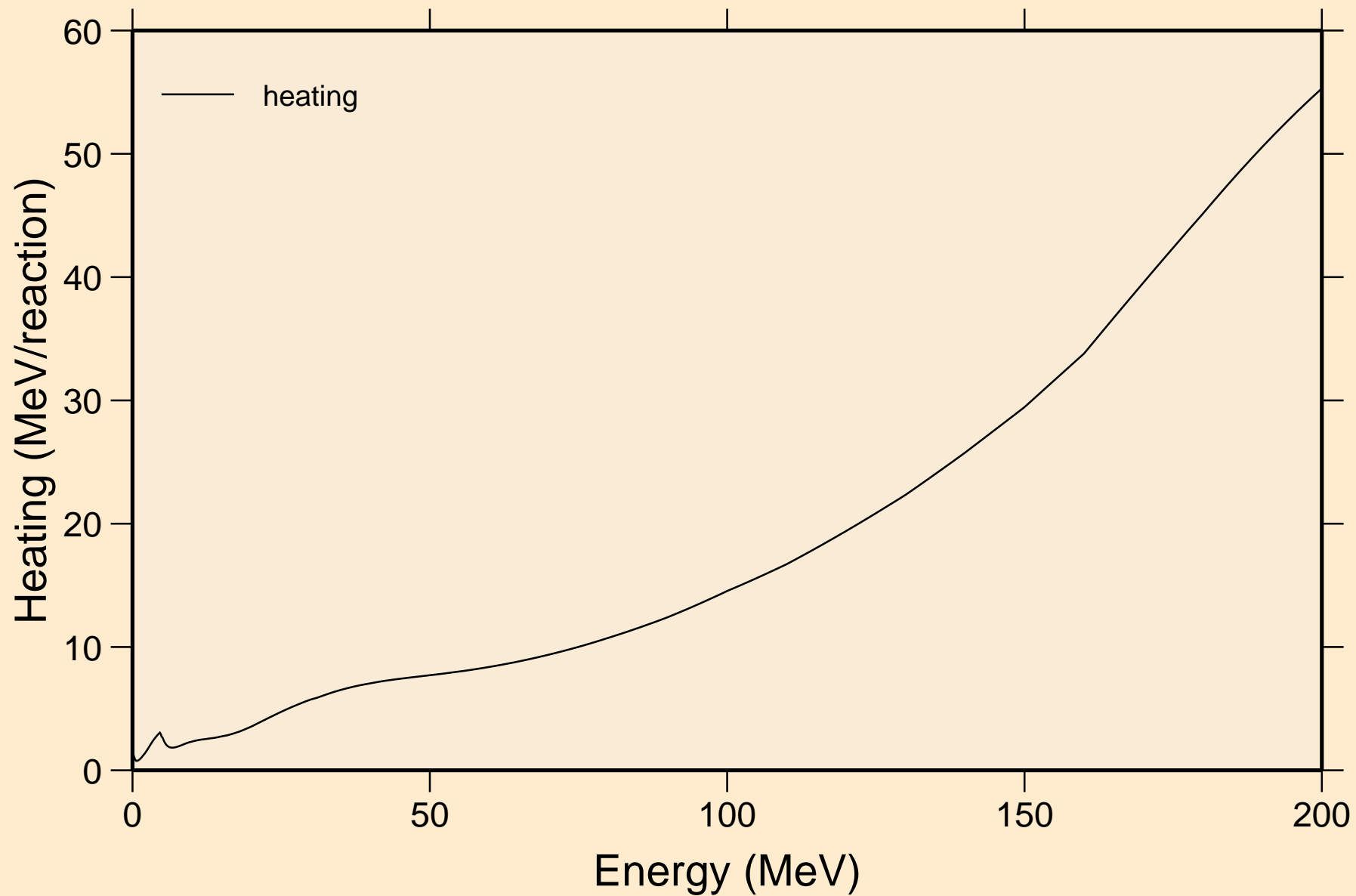
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



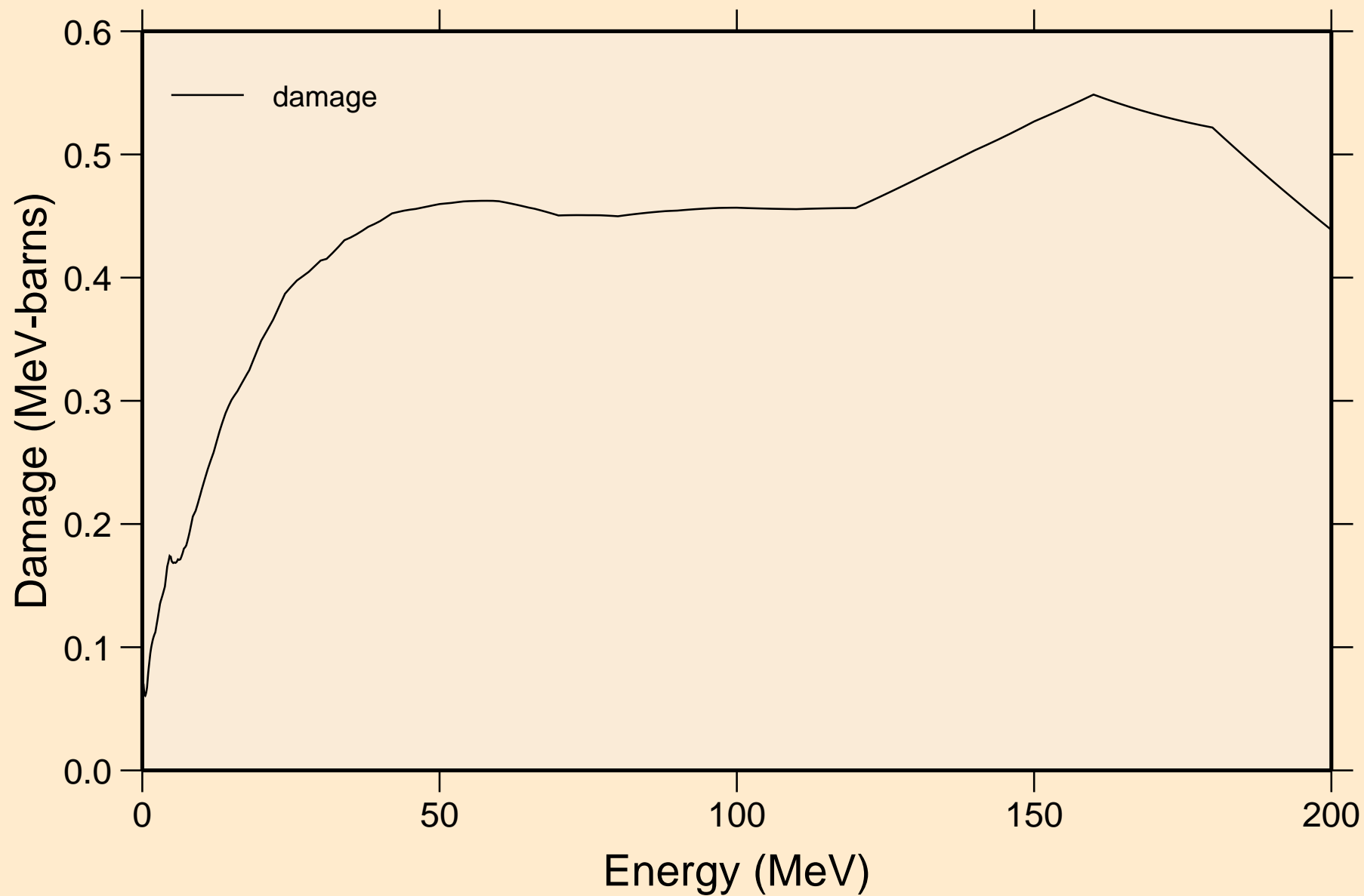
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

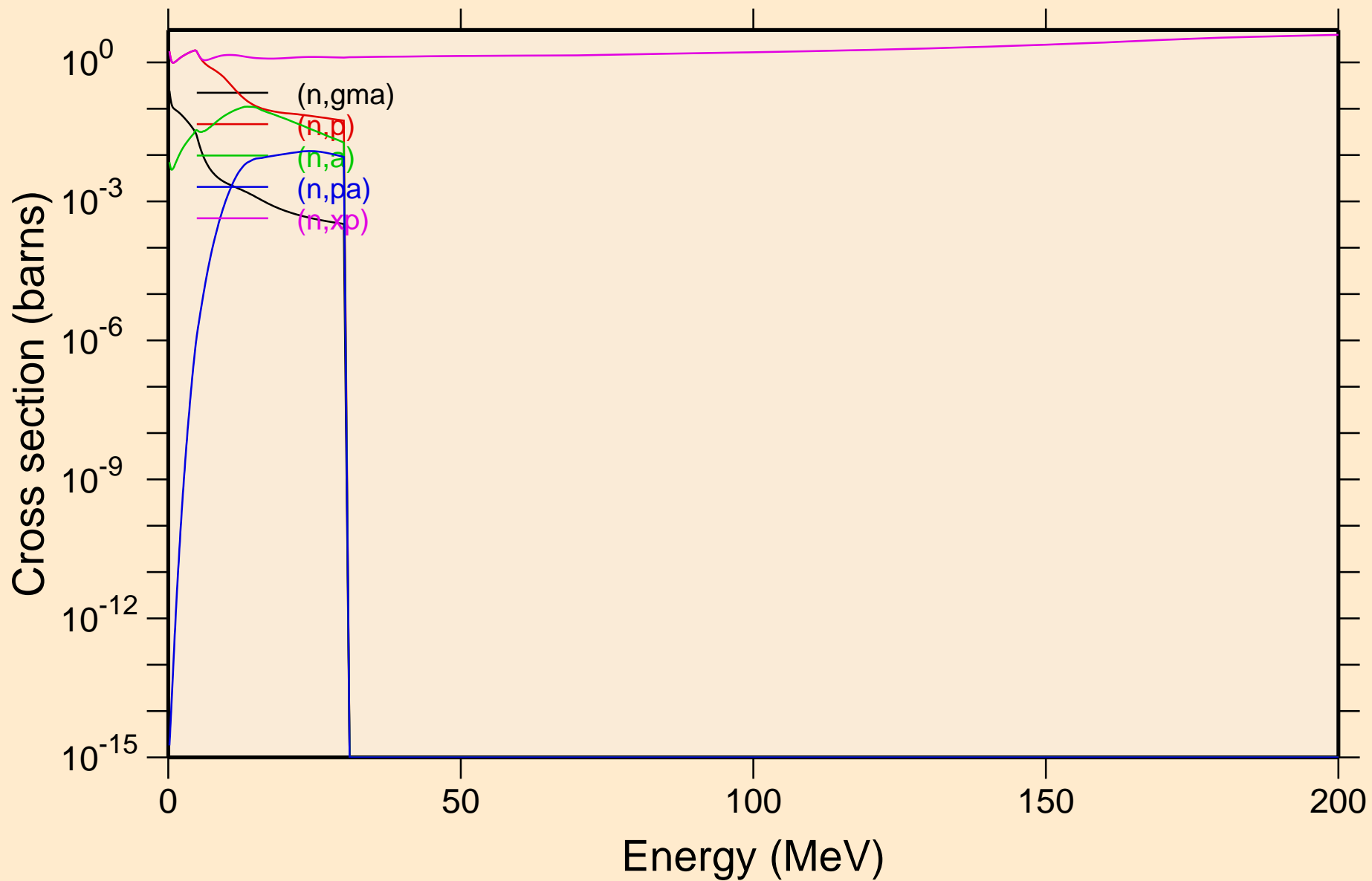


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

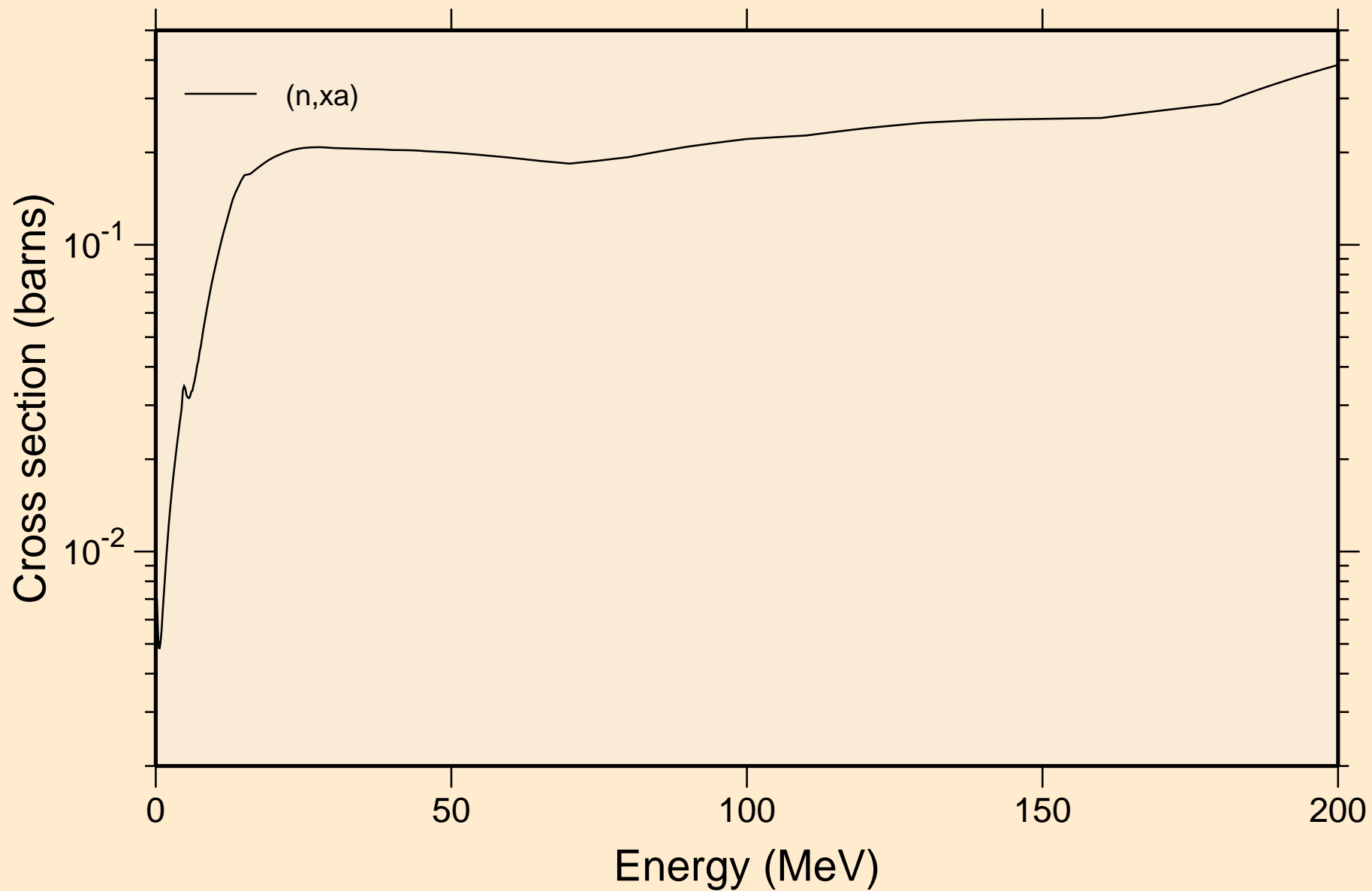




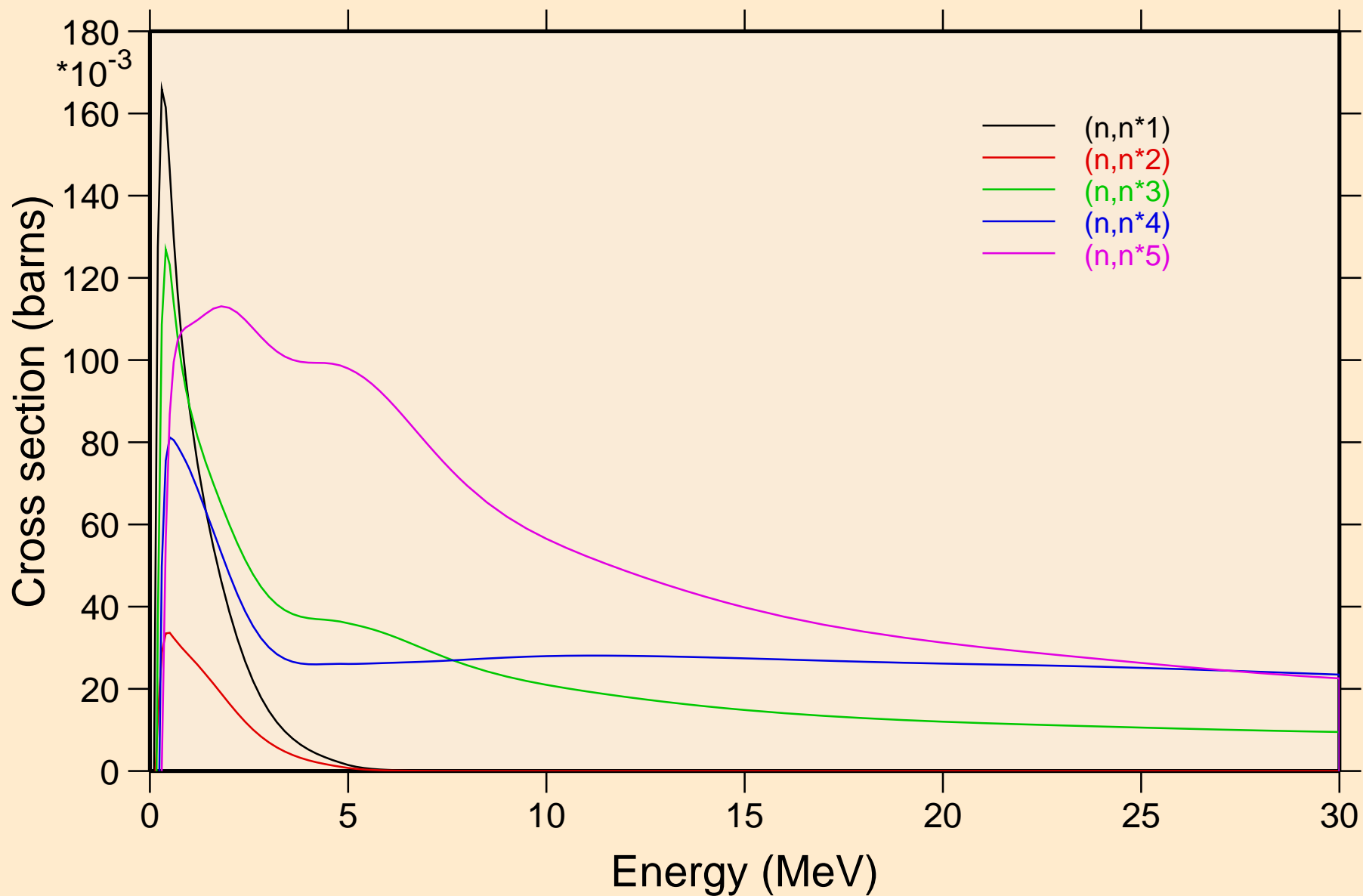
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



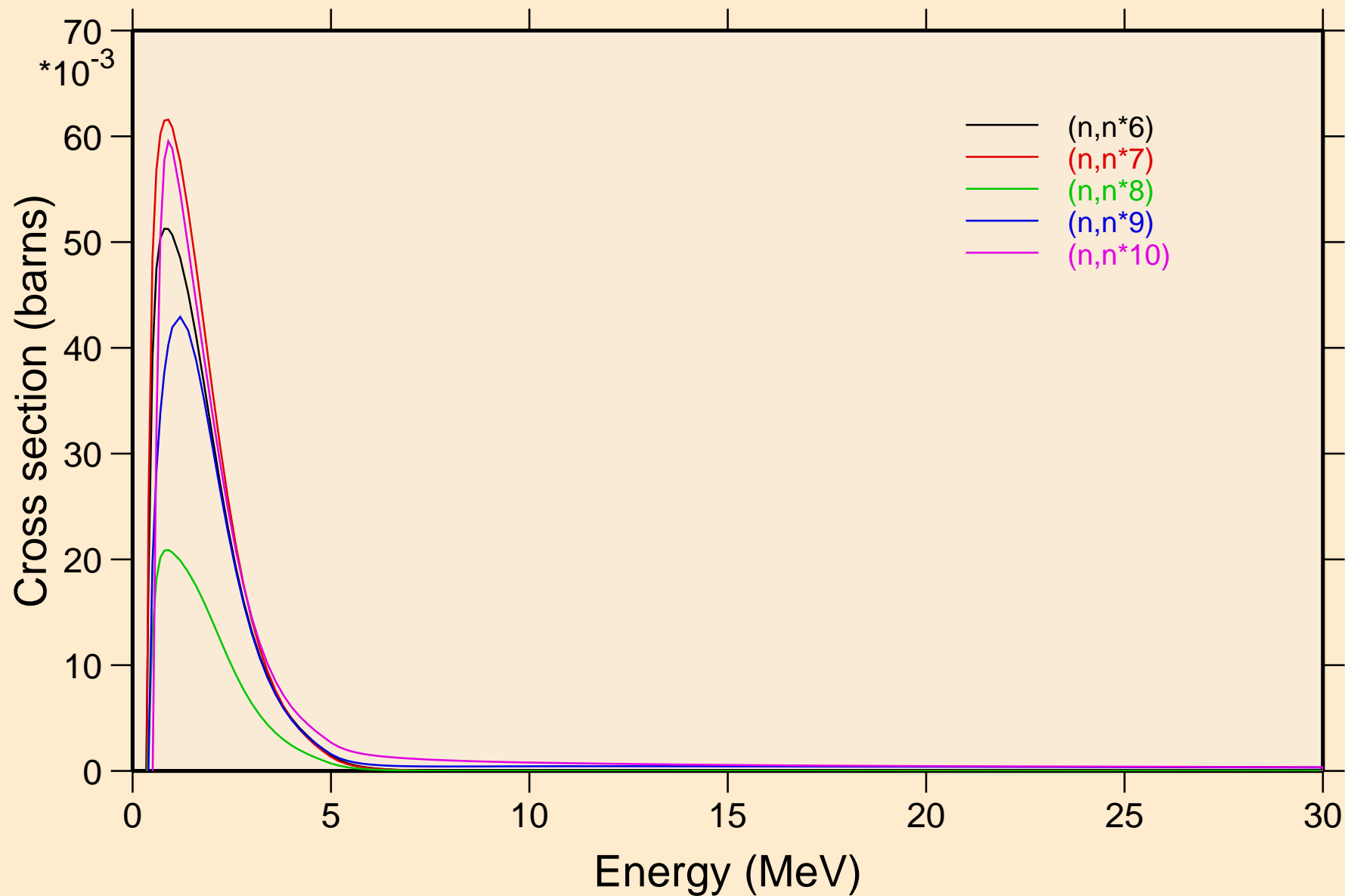
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



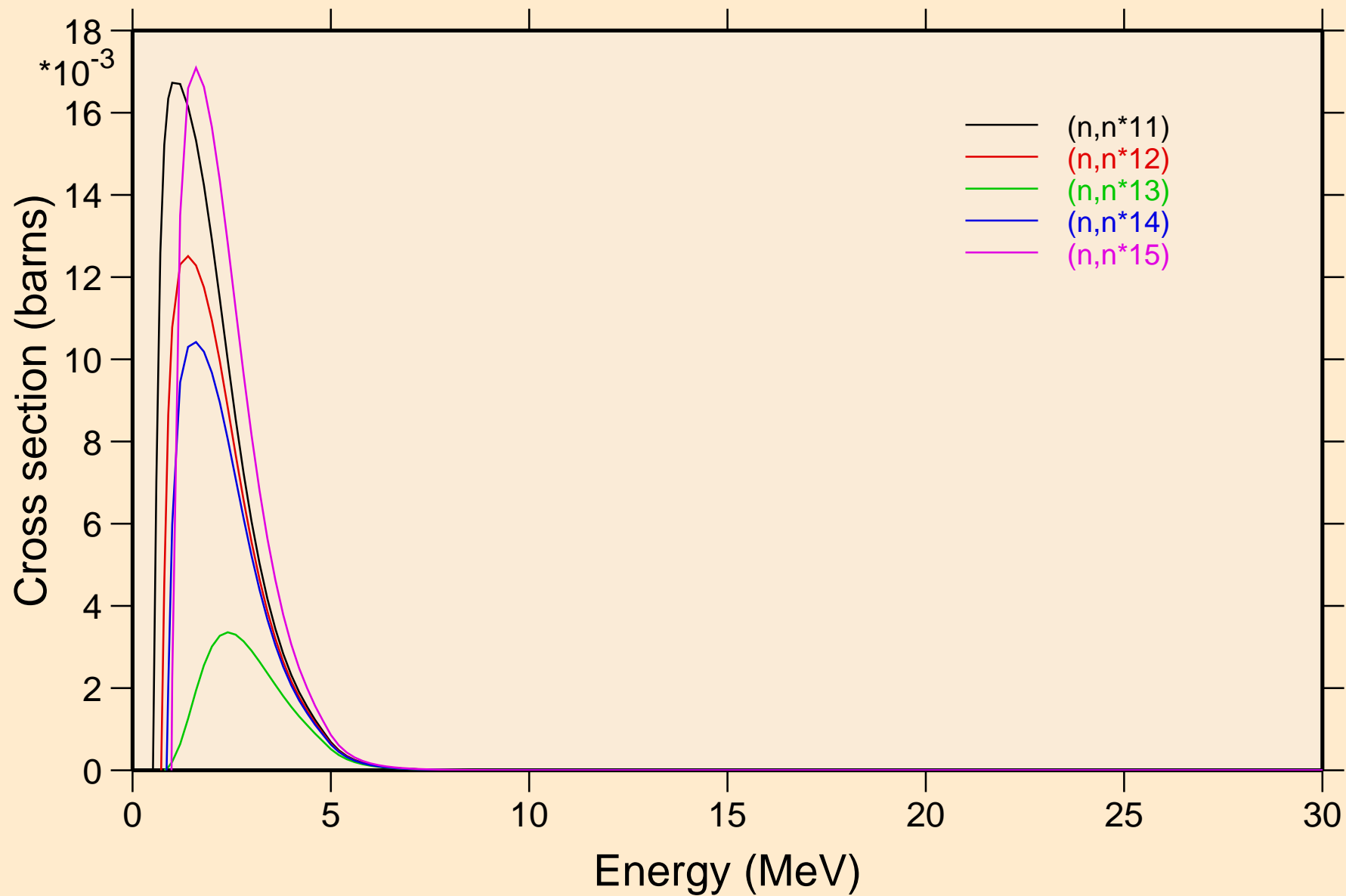
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



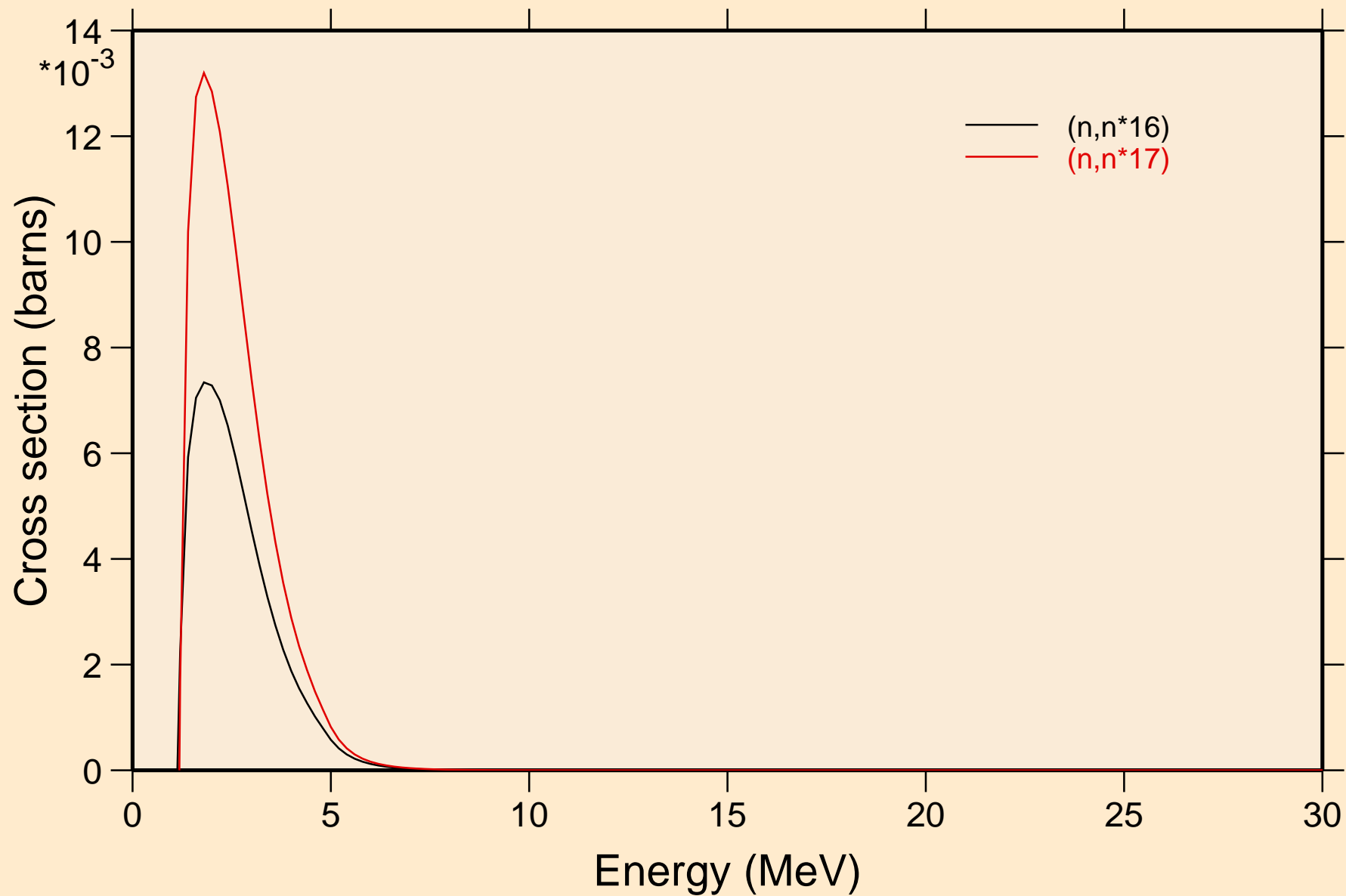
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

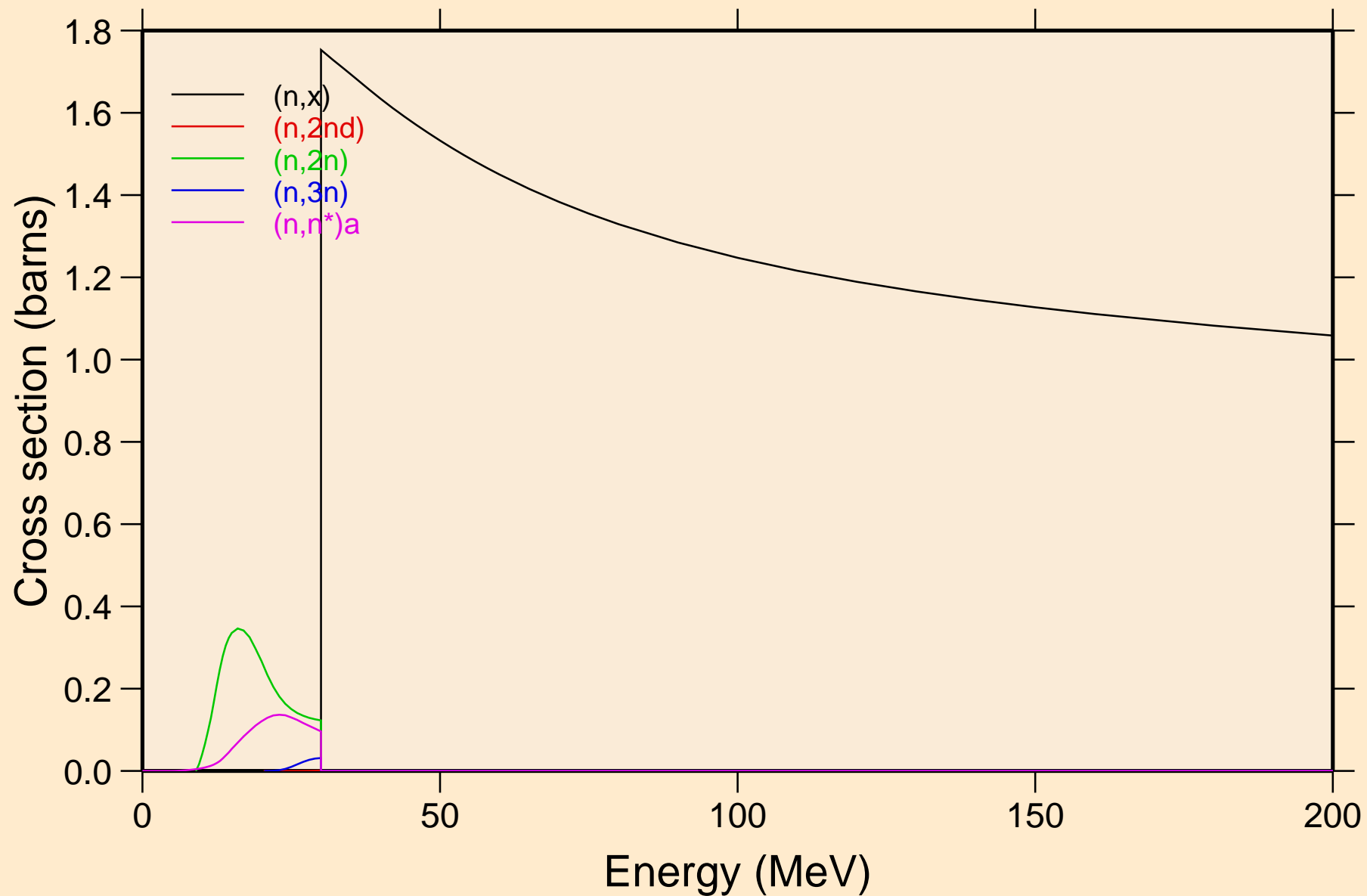


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

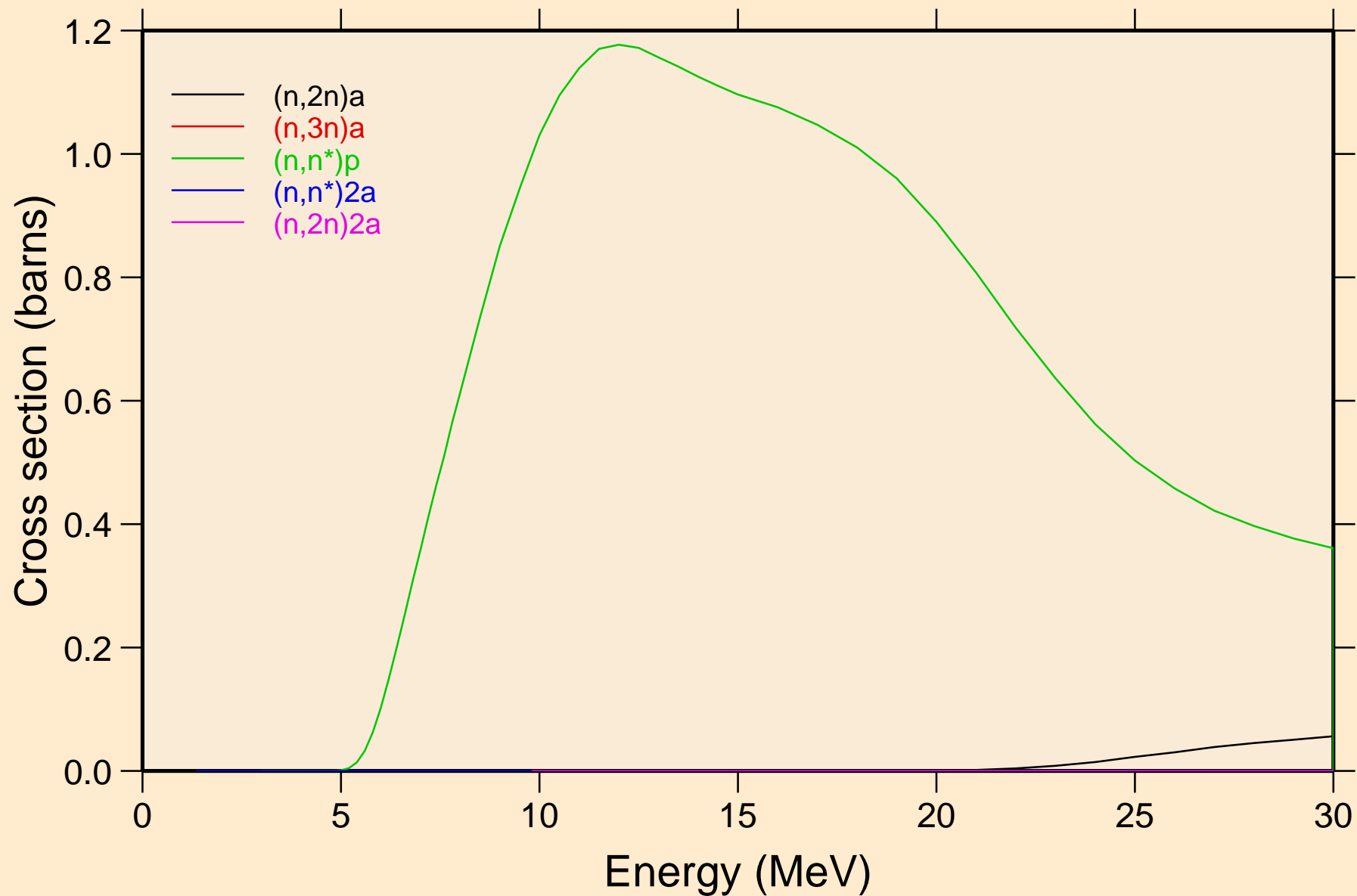


# SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

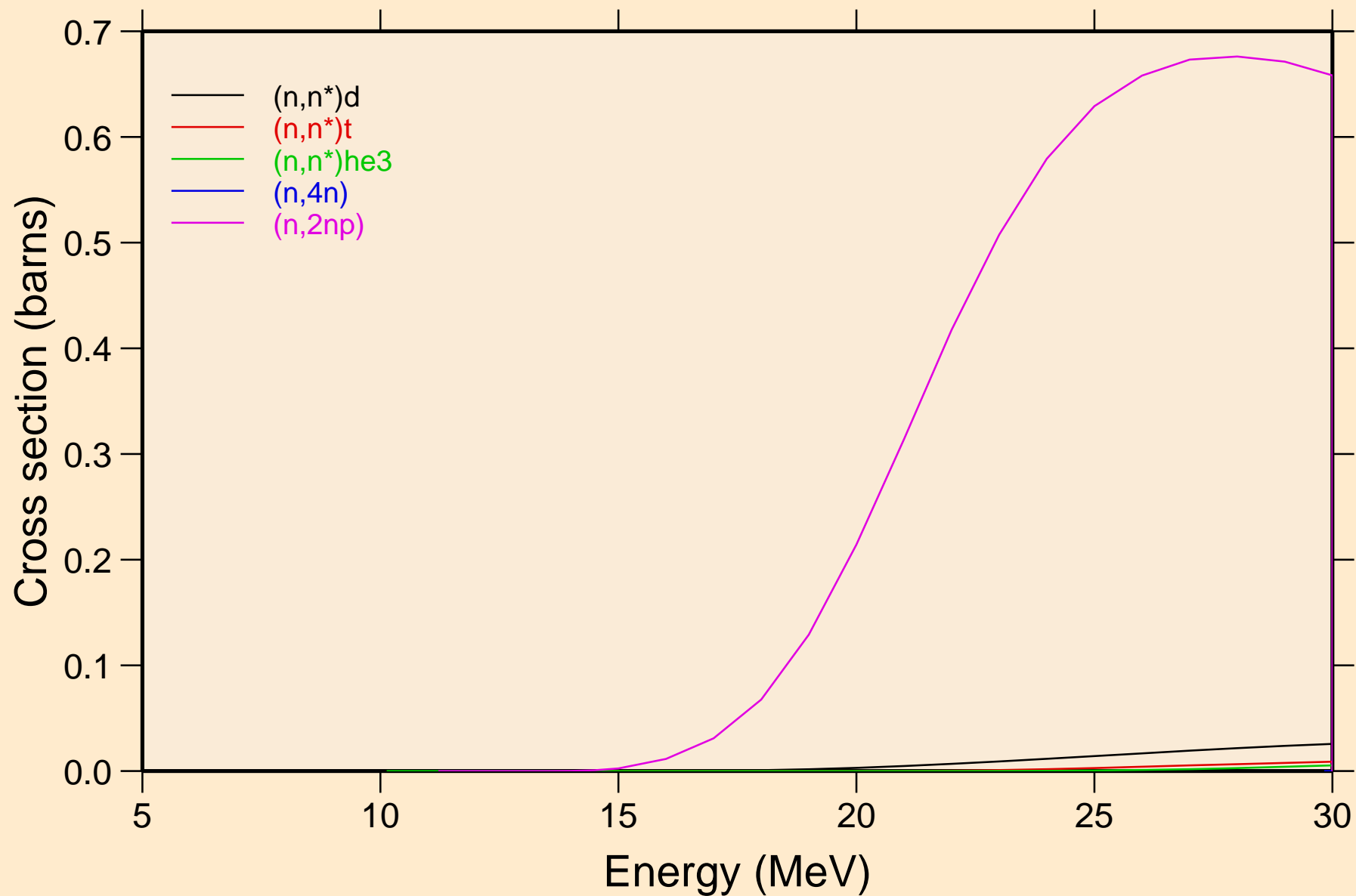


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

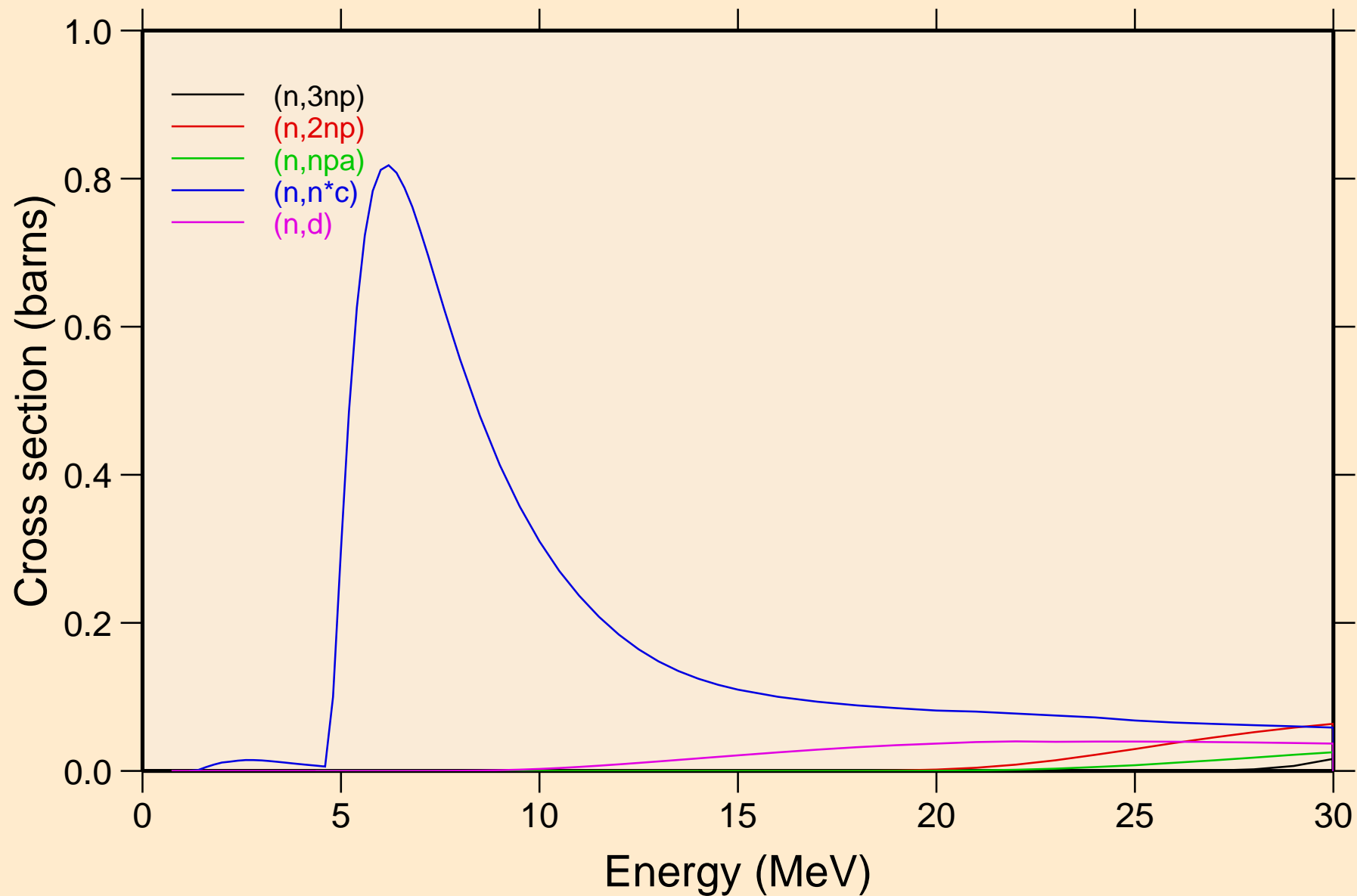




SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

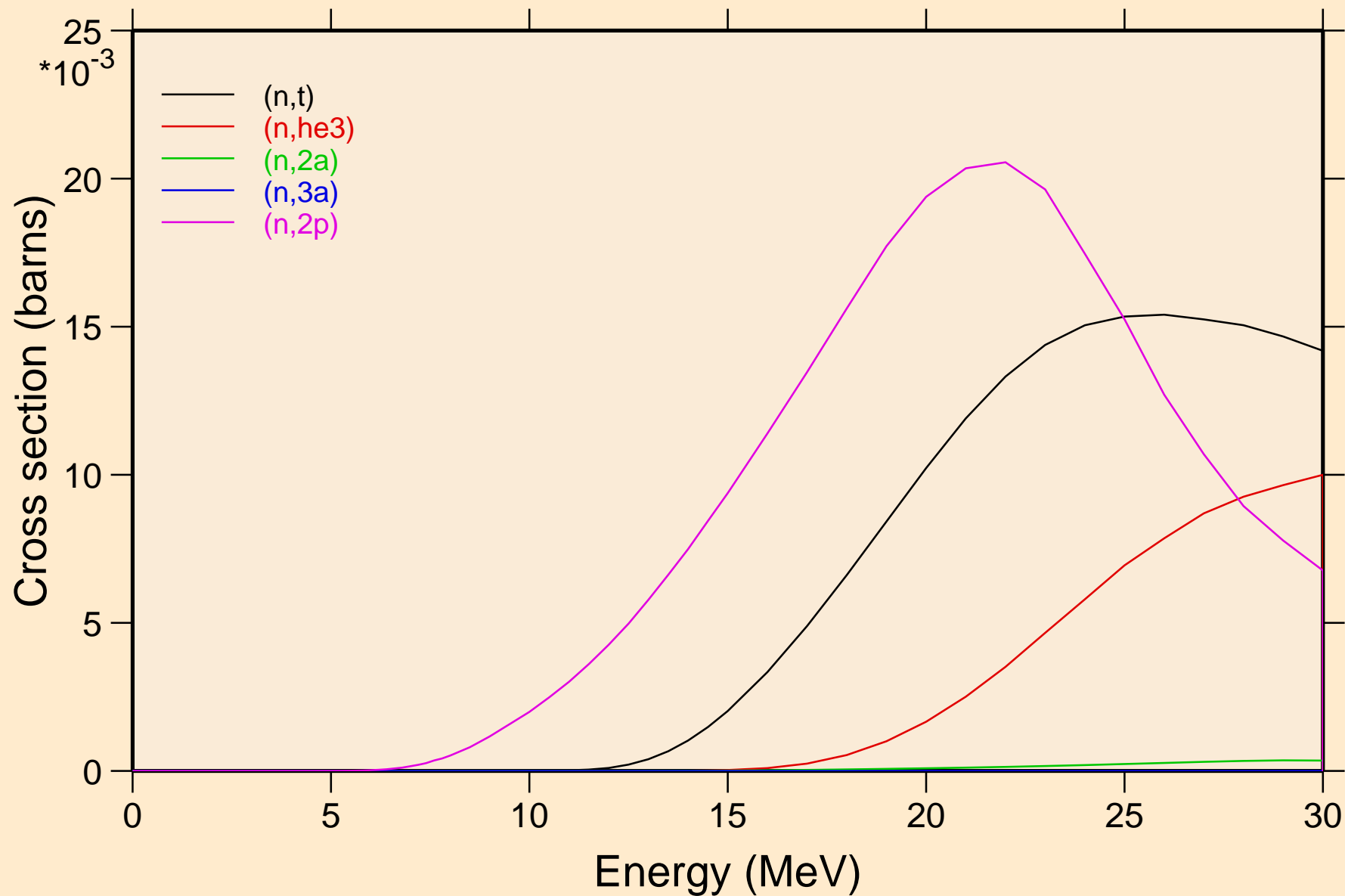


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

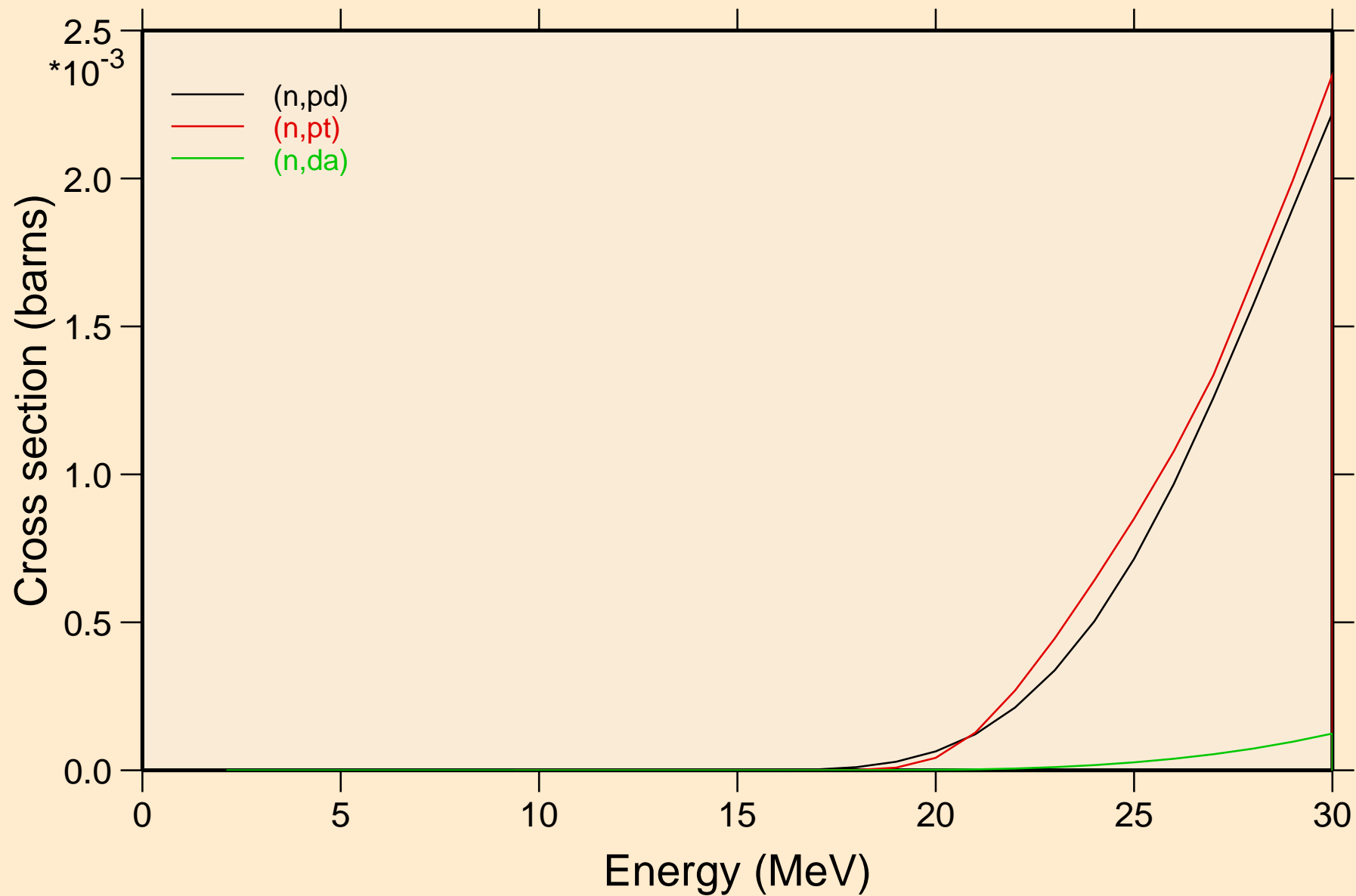


# SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

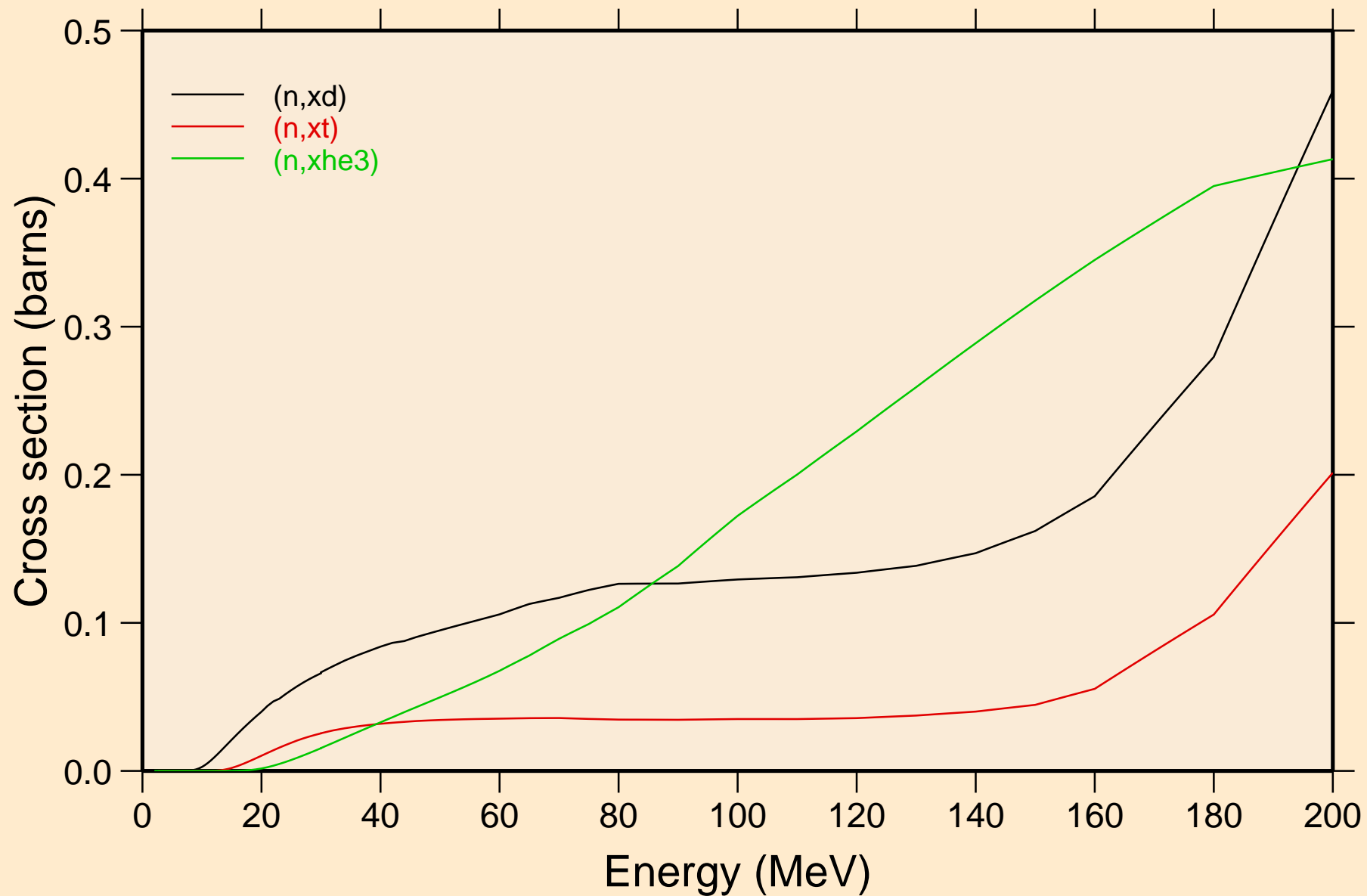
## Threshold reactions



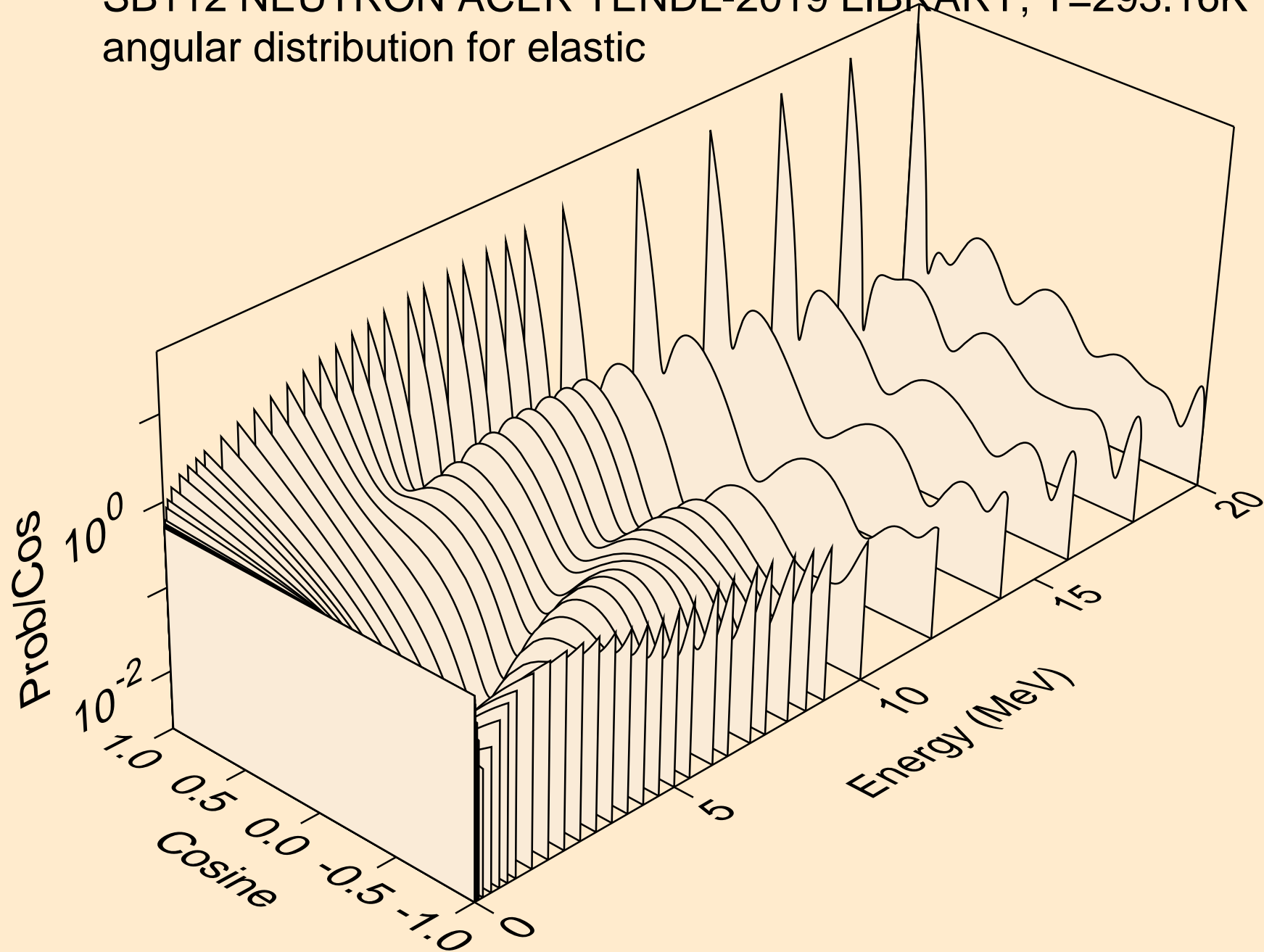
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



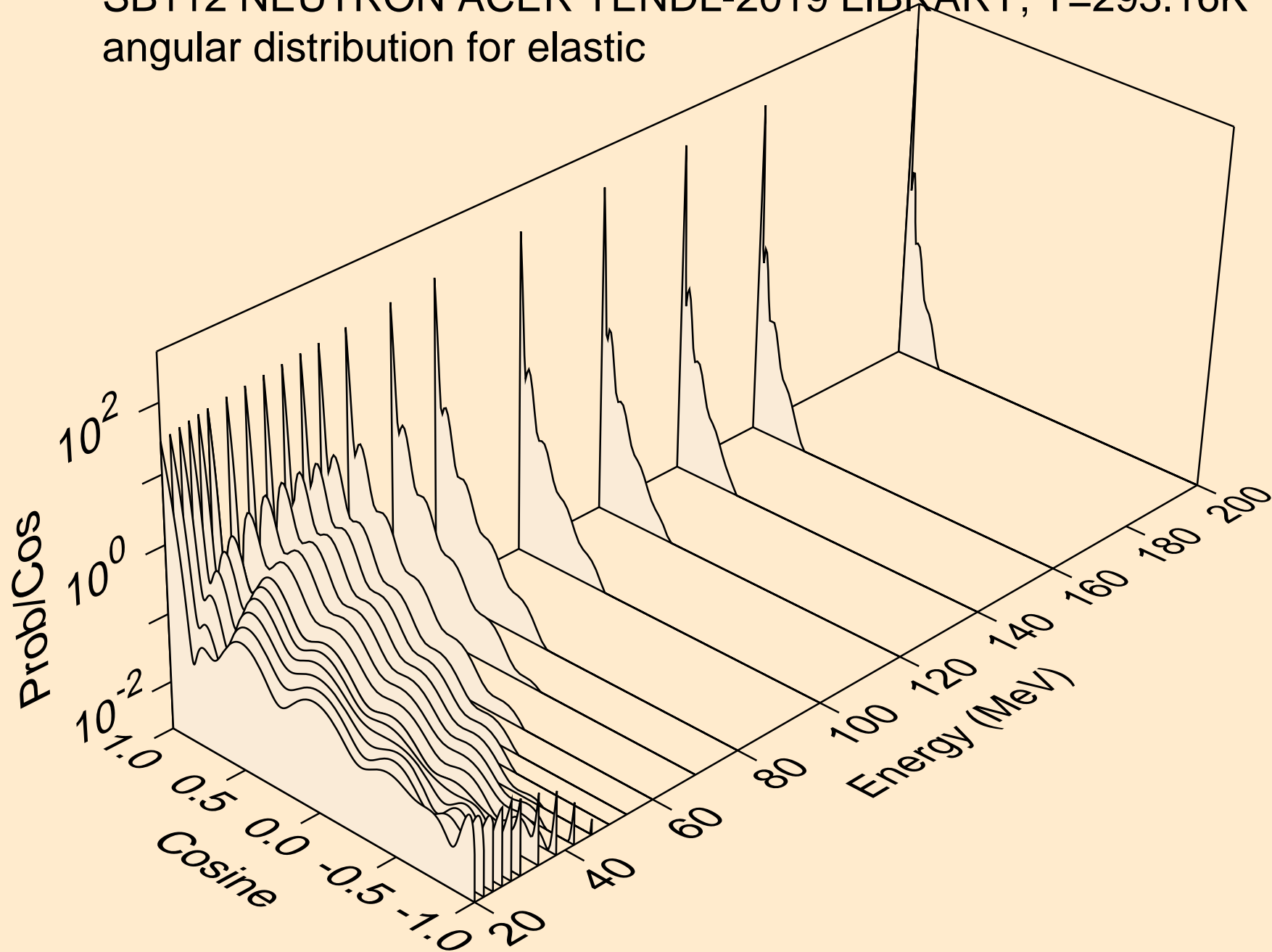
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



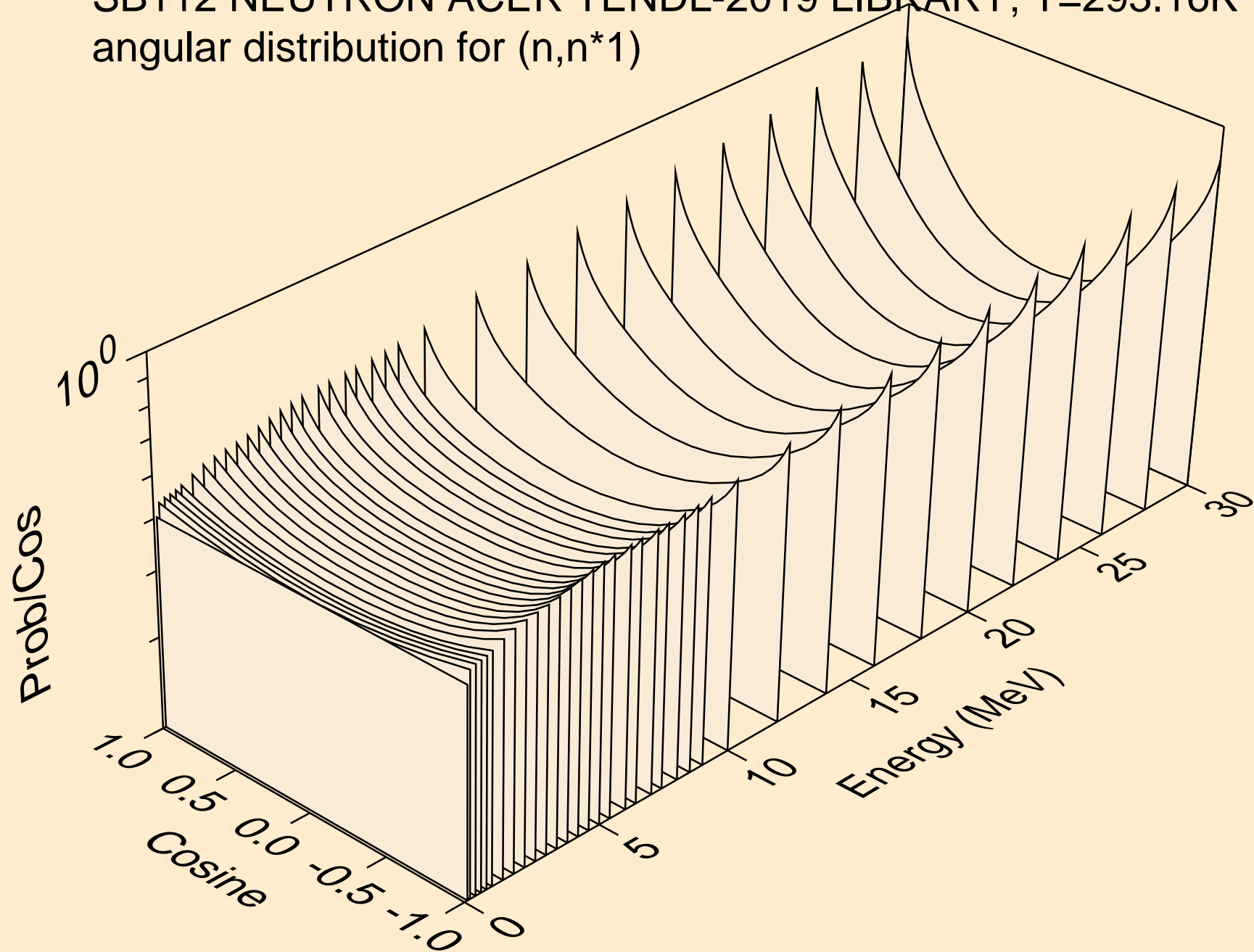
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

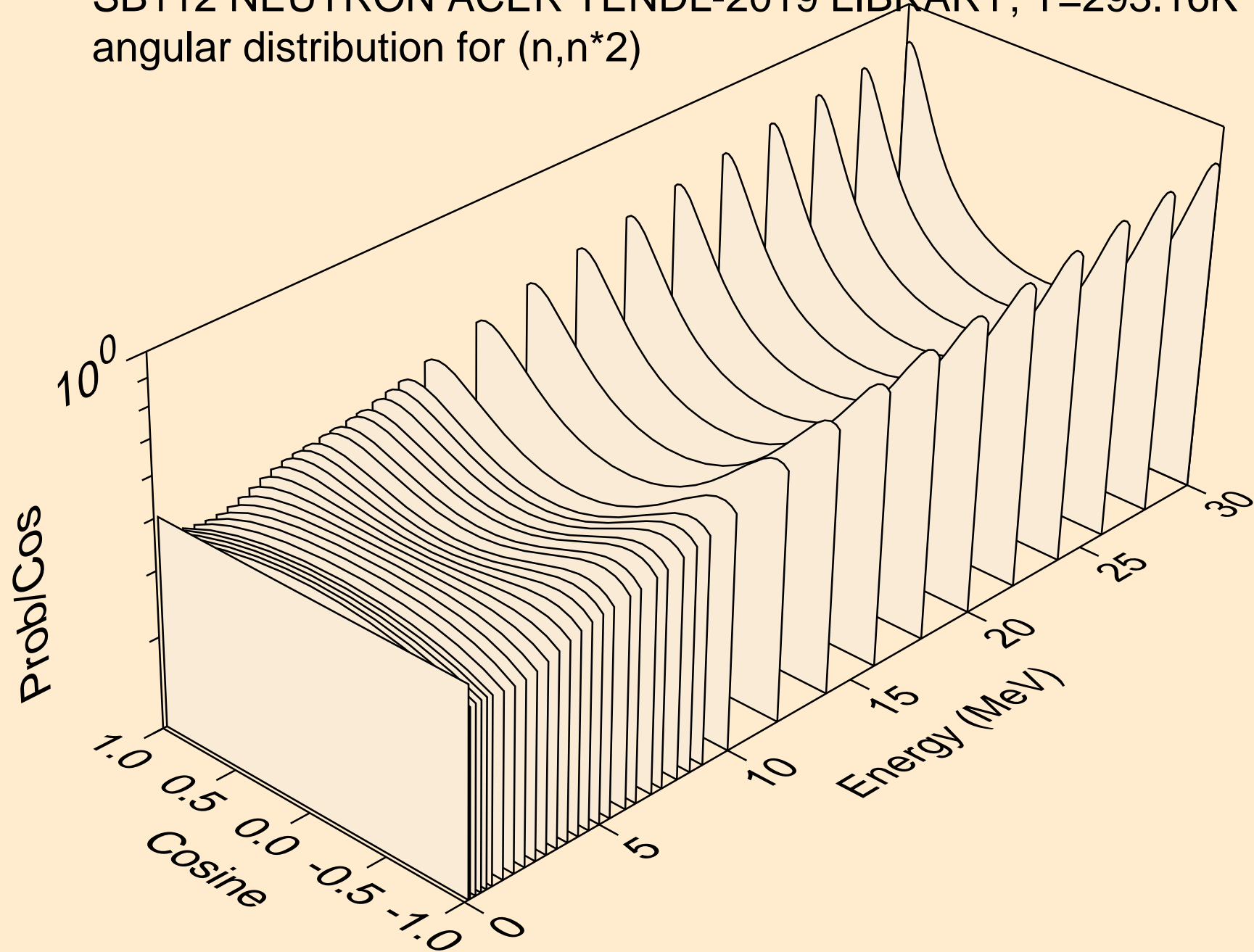


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

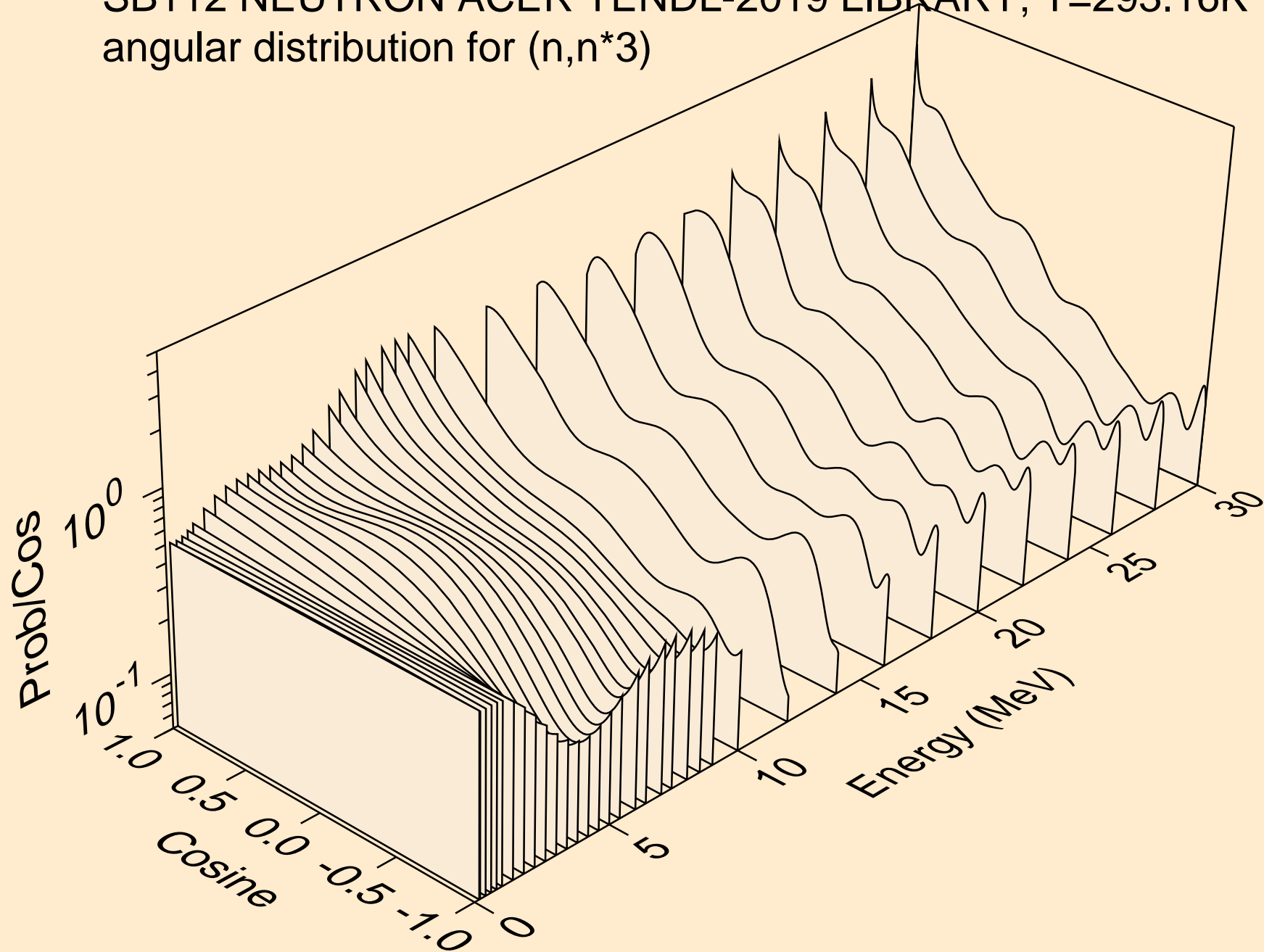




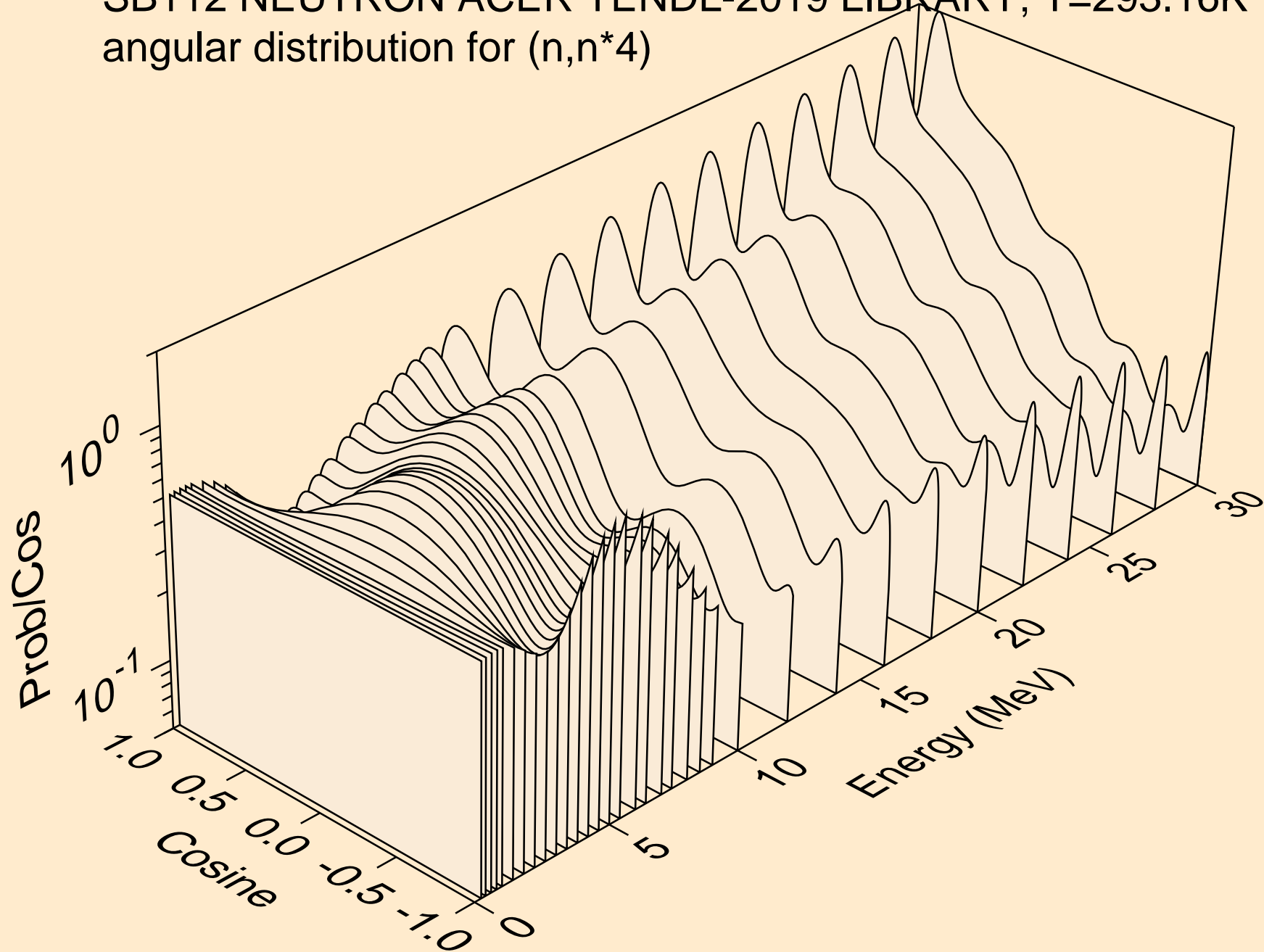
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



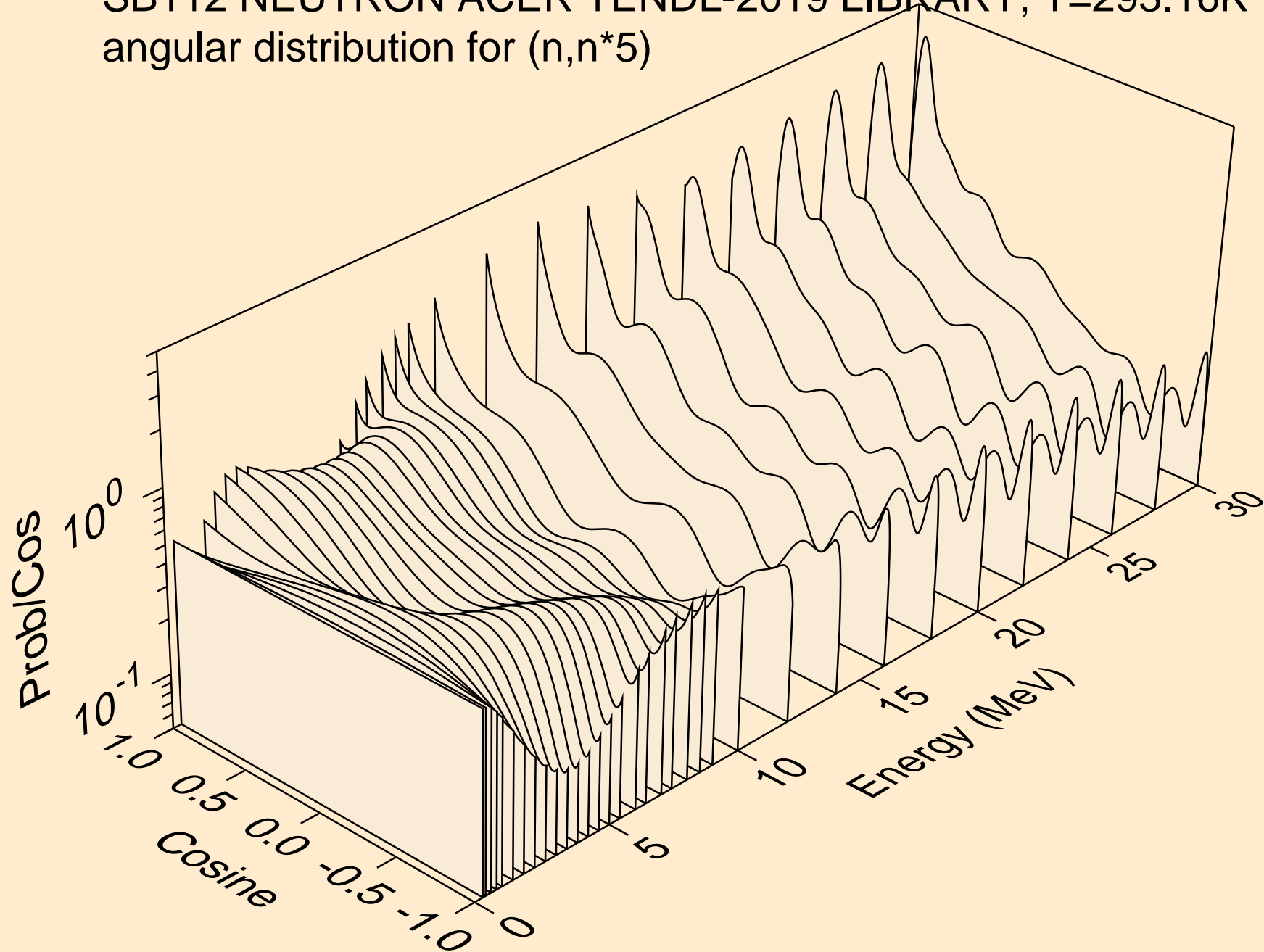
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angular distribution for (n,n\*3)



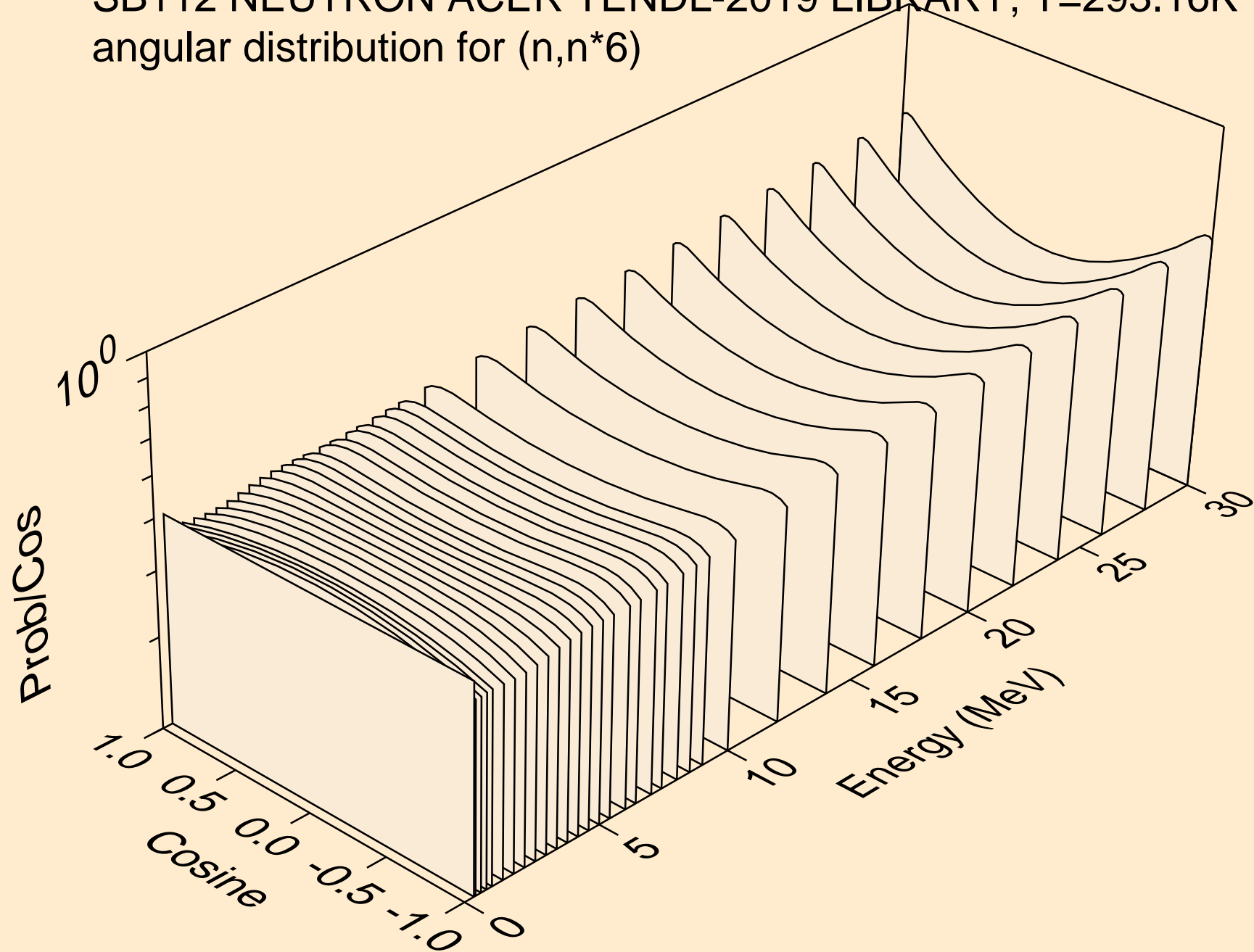
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



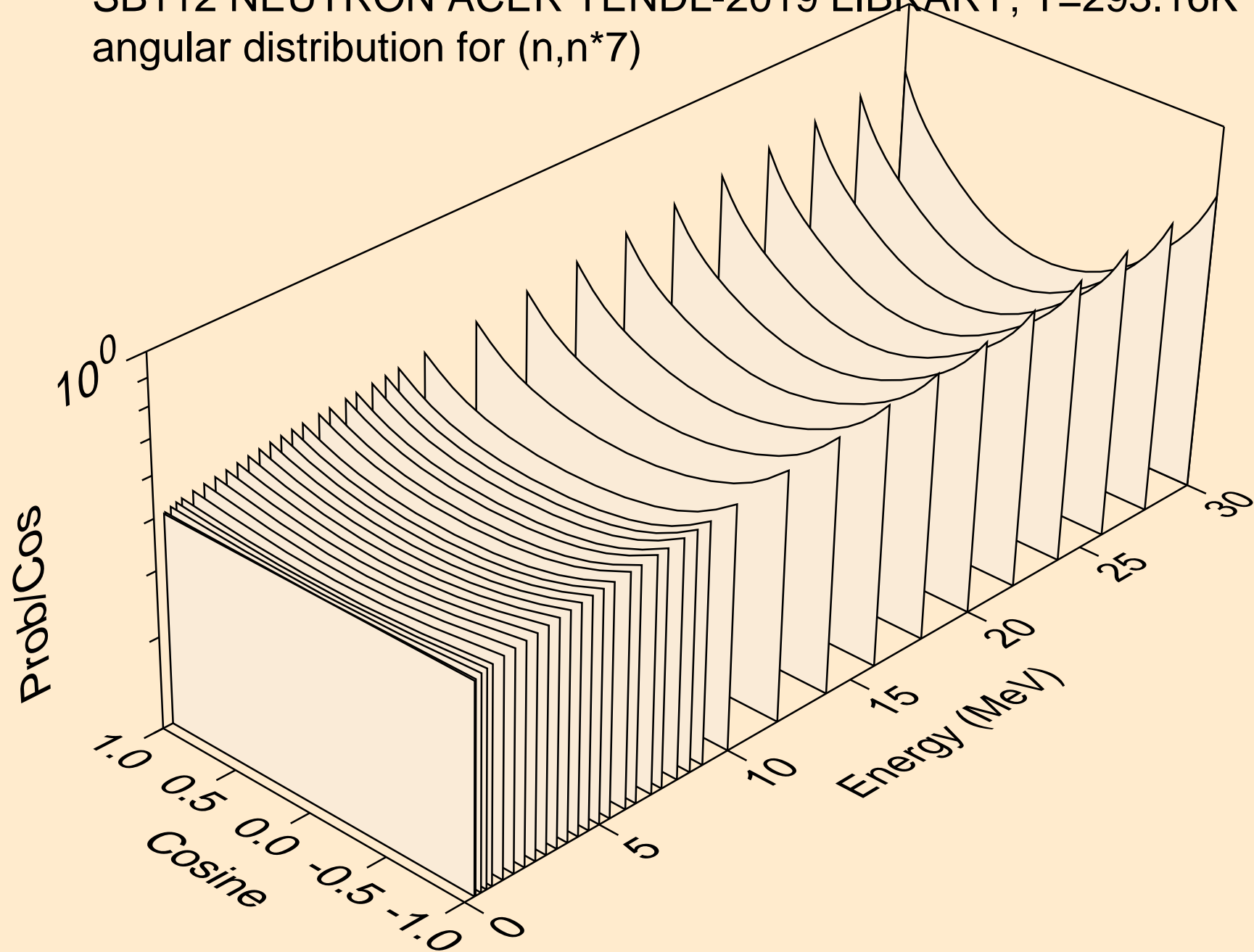
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angular distribution for (n,n\*5)



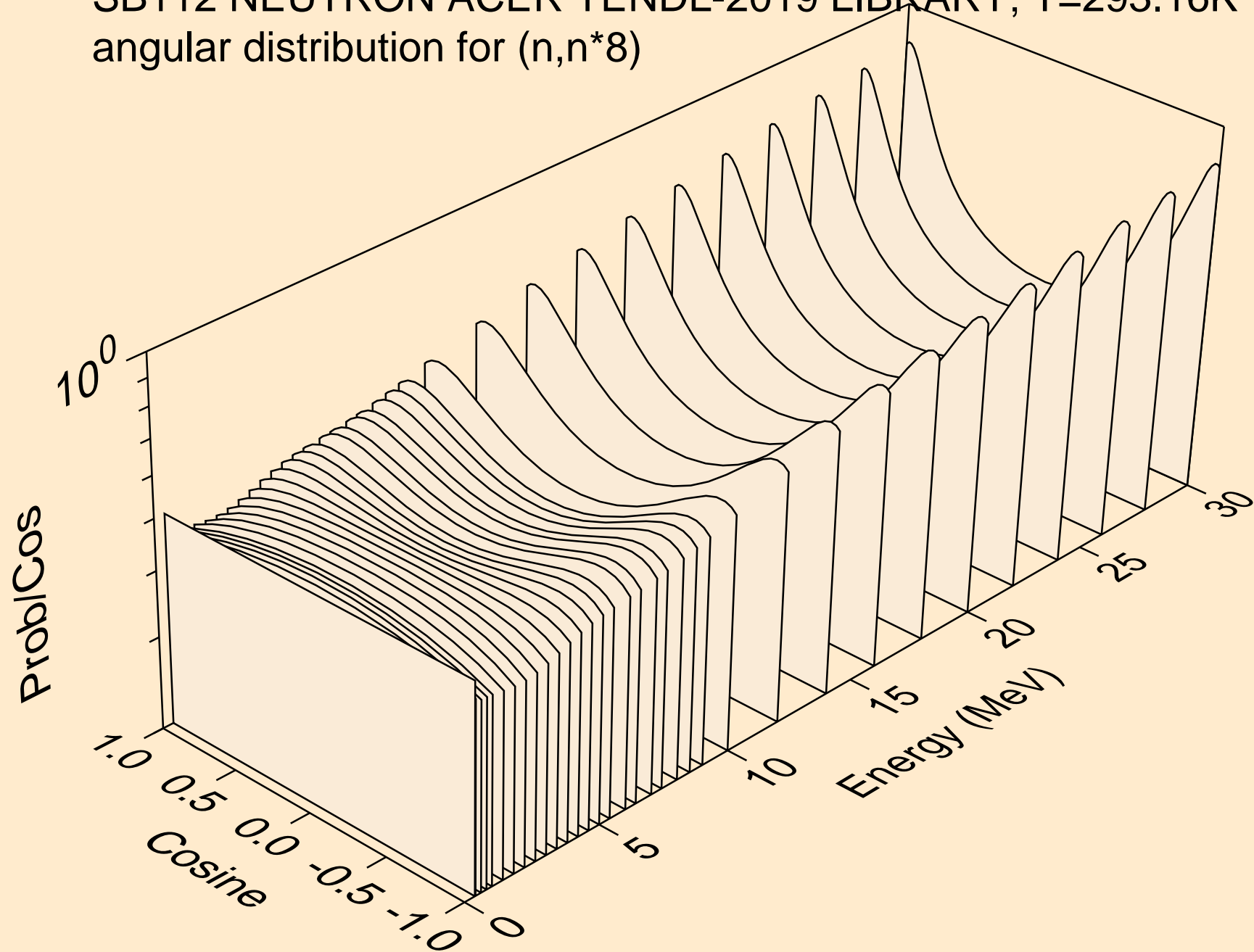
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angular distribution for (n,n\*6)



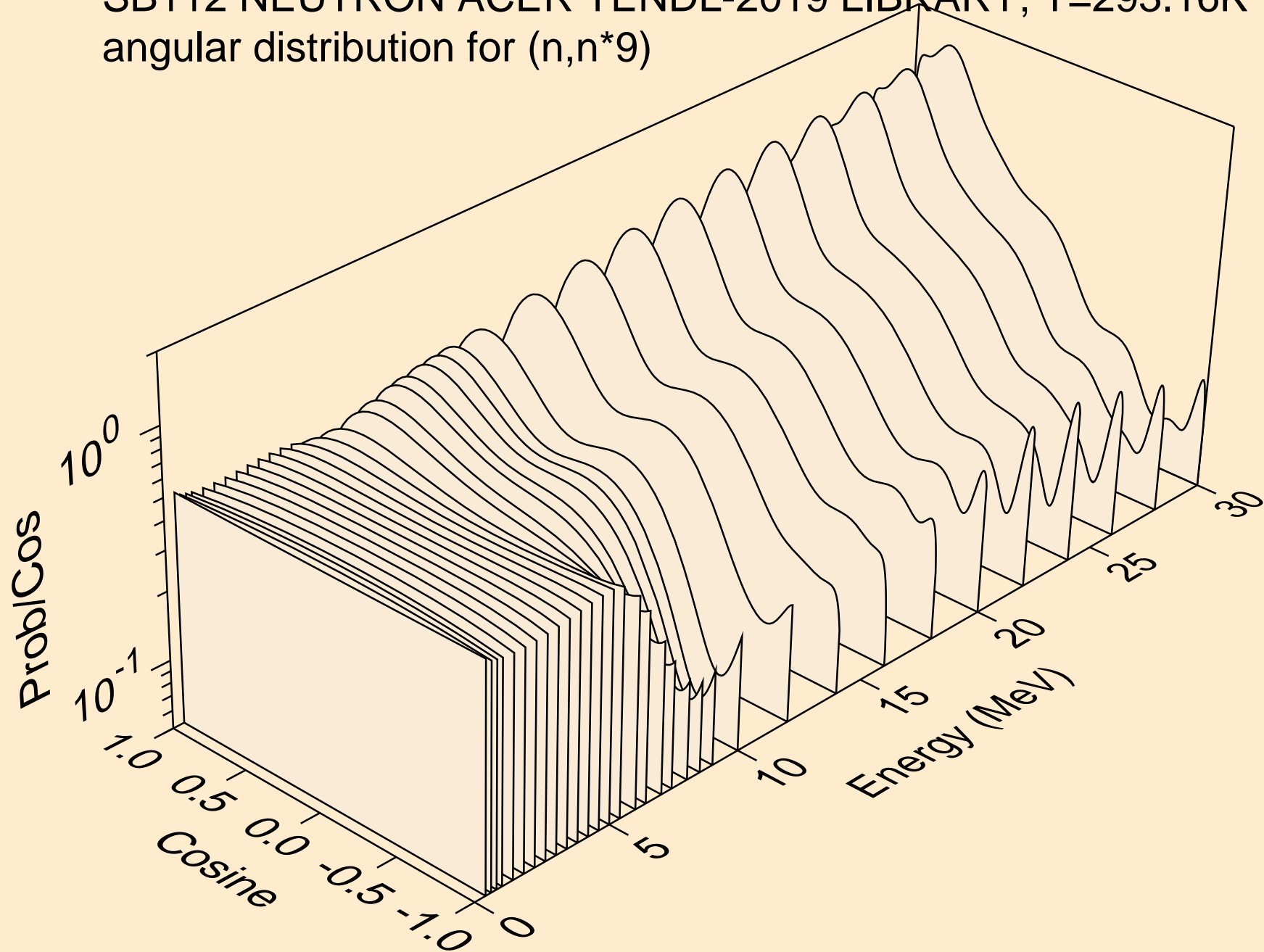
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

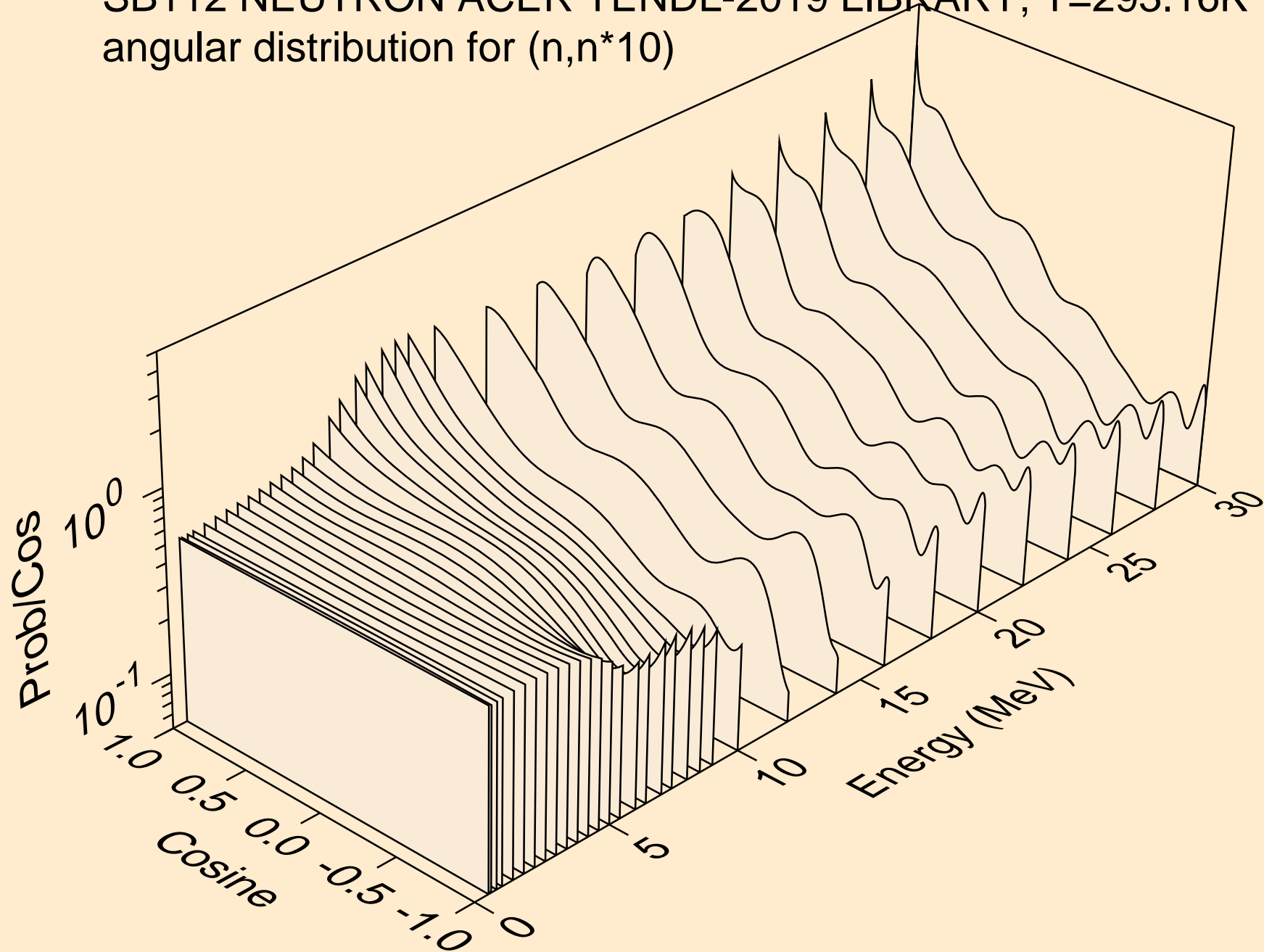


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

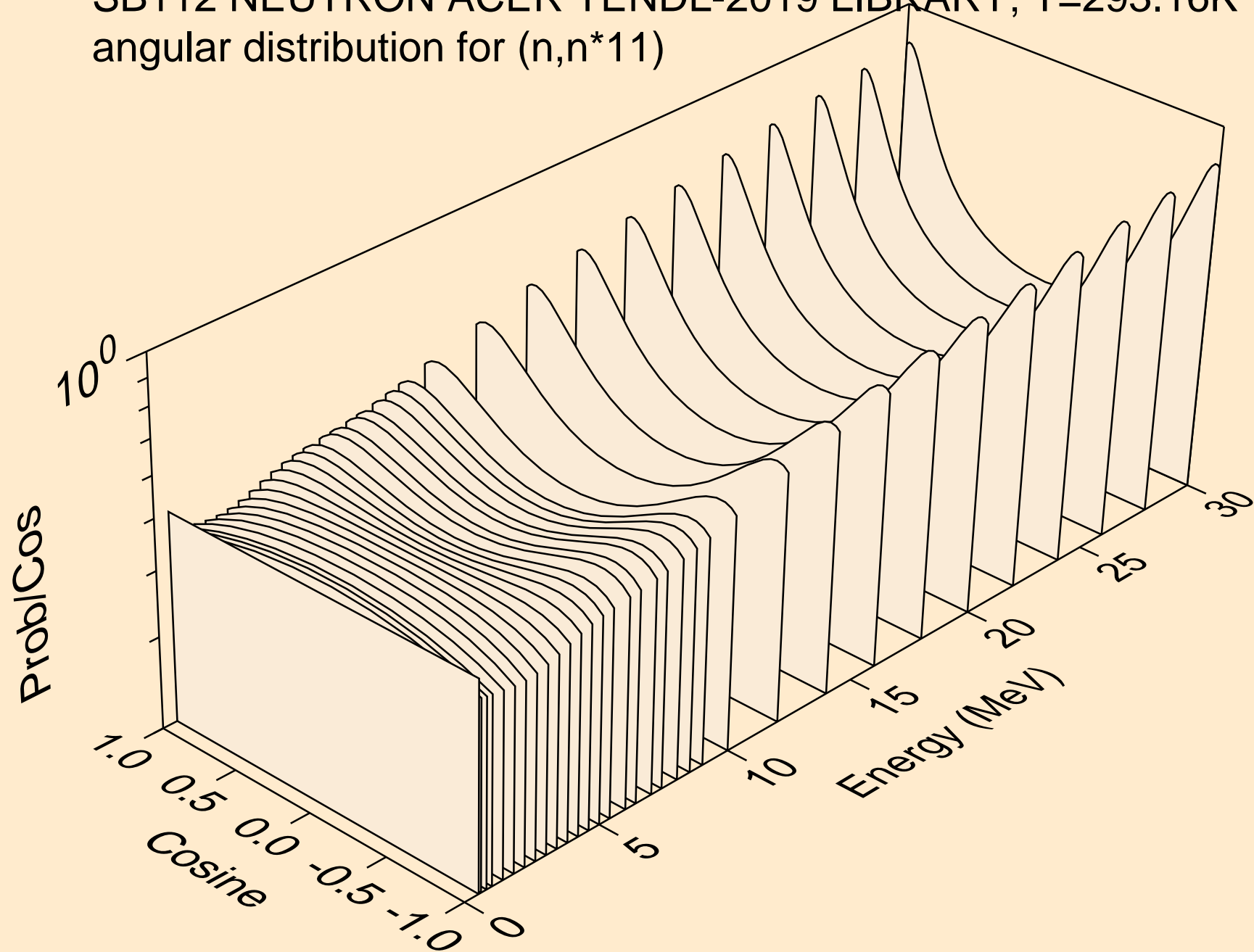




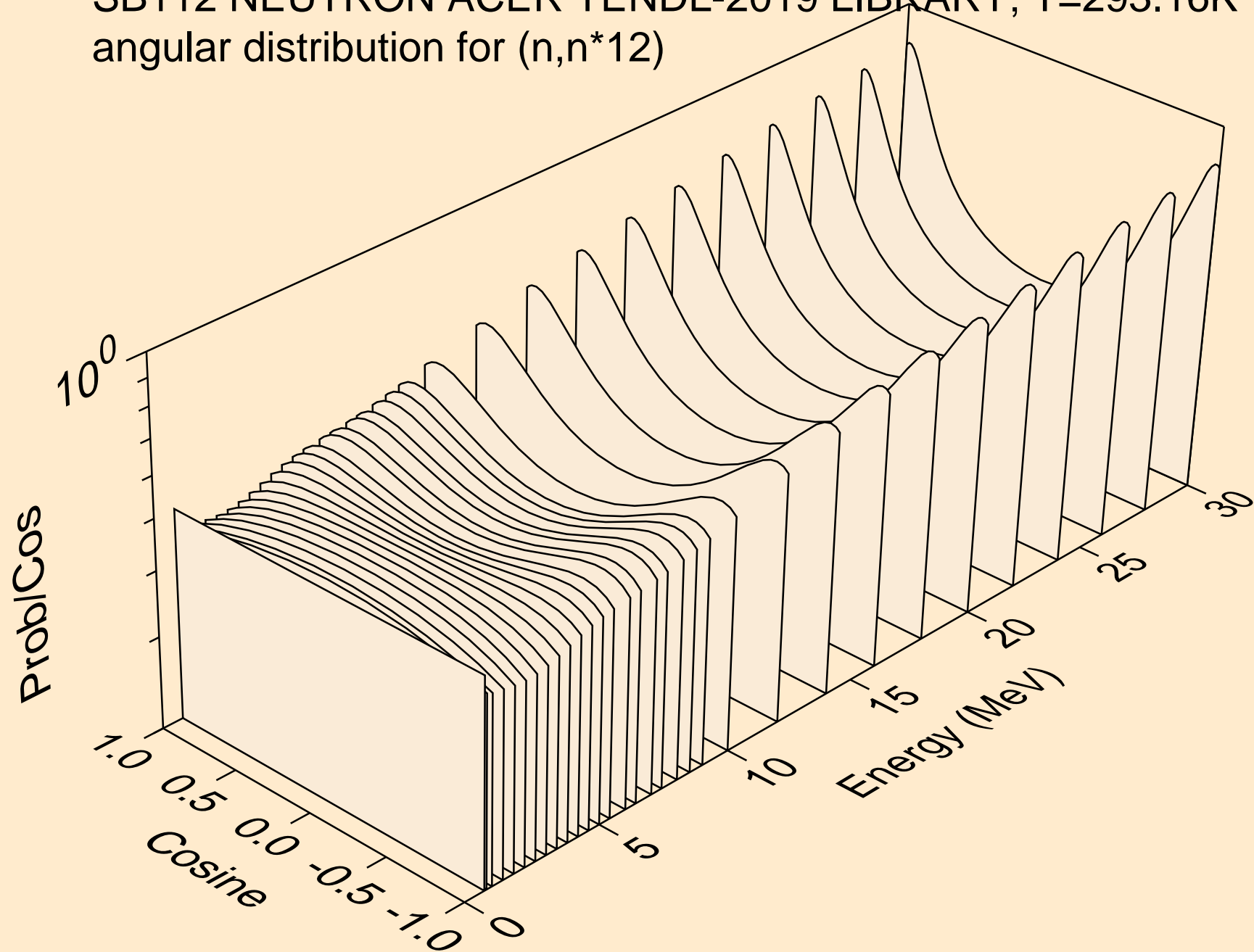
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angular distribution for (n,n\*10)



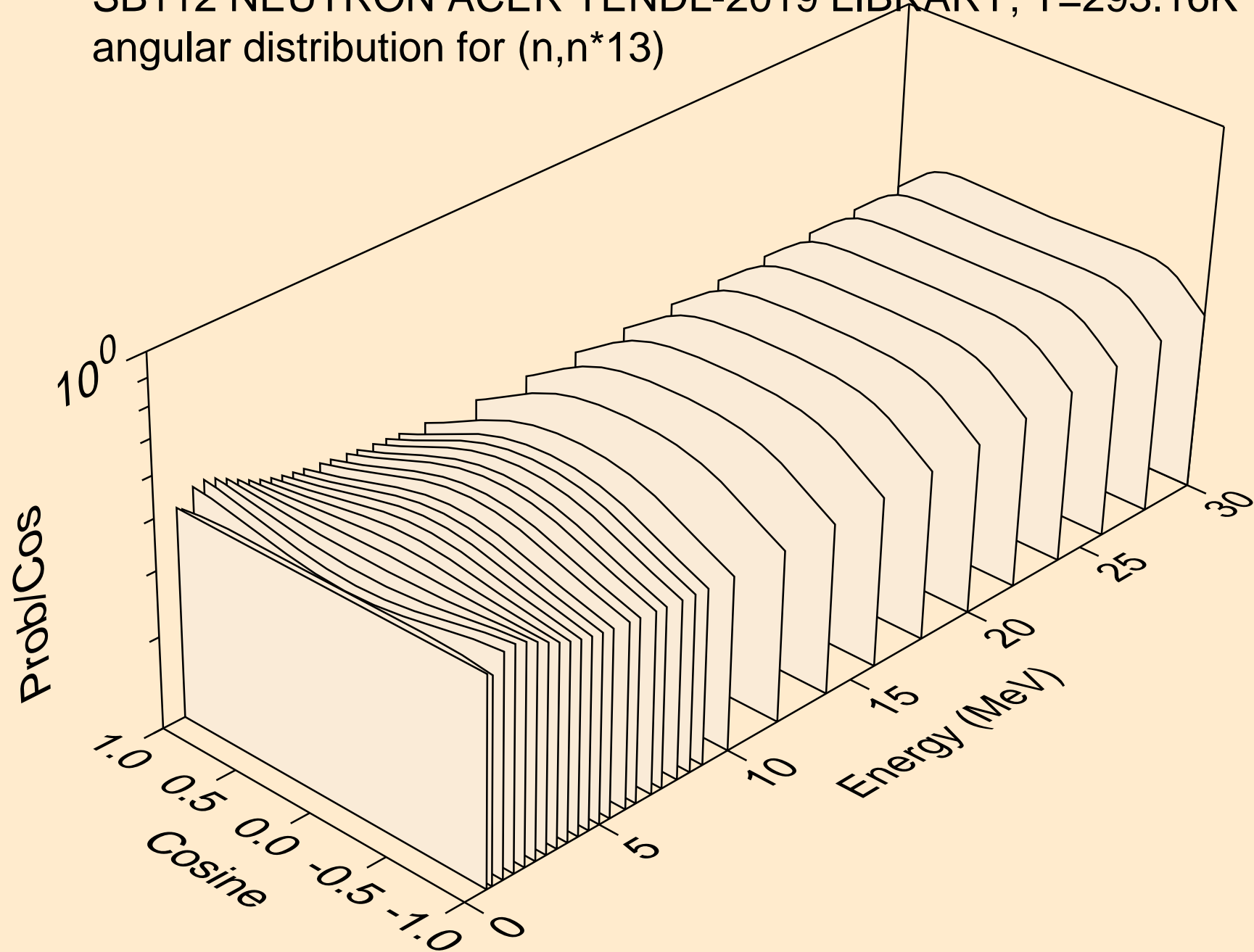
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angular distribution for (n,n\*11)



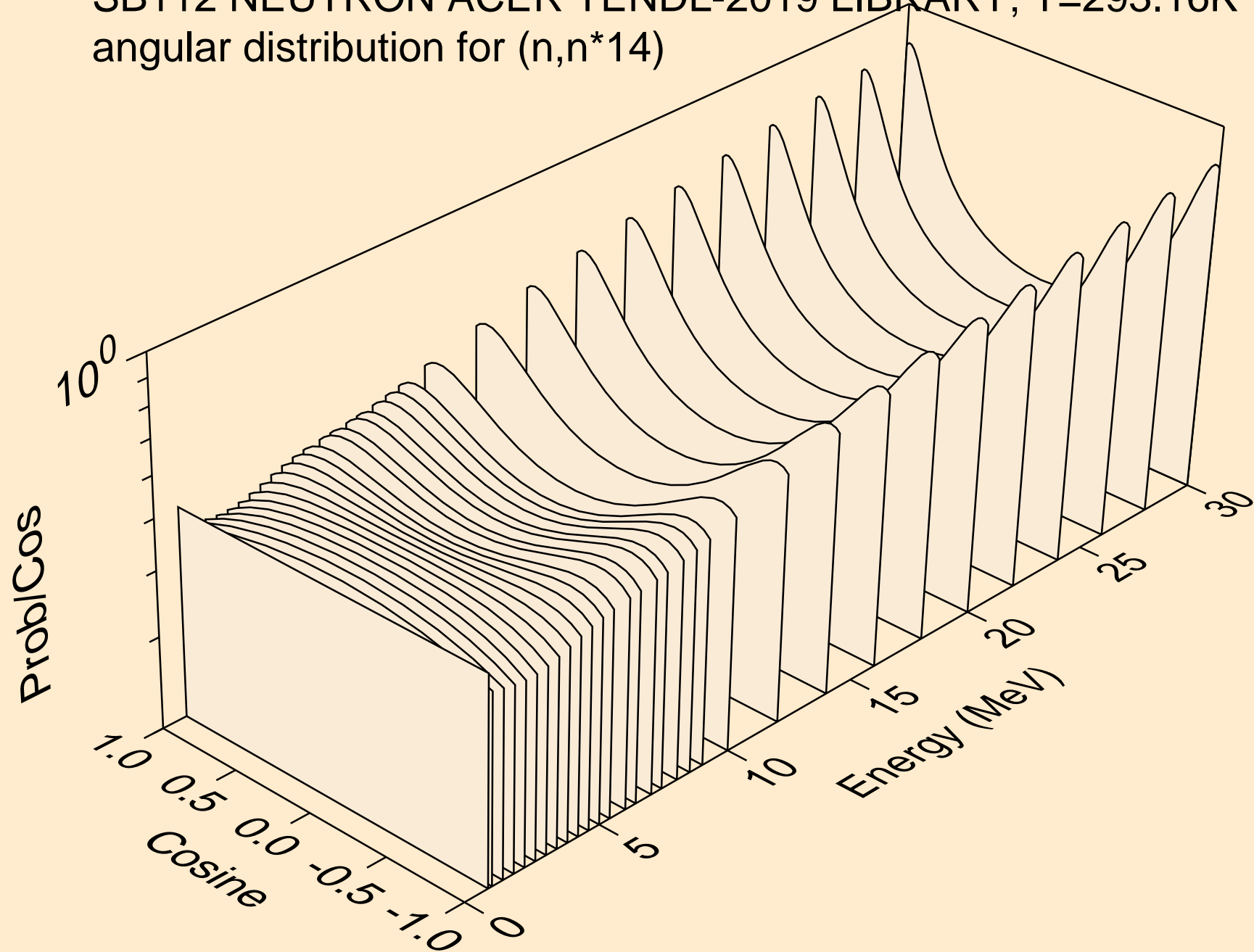
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angular distribution for (n,n\*12)



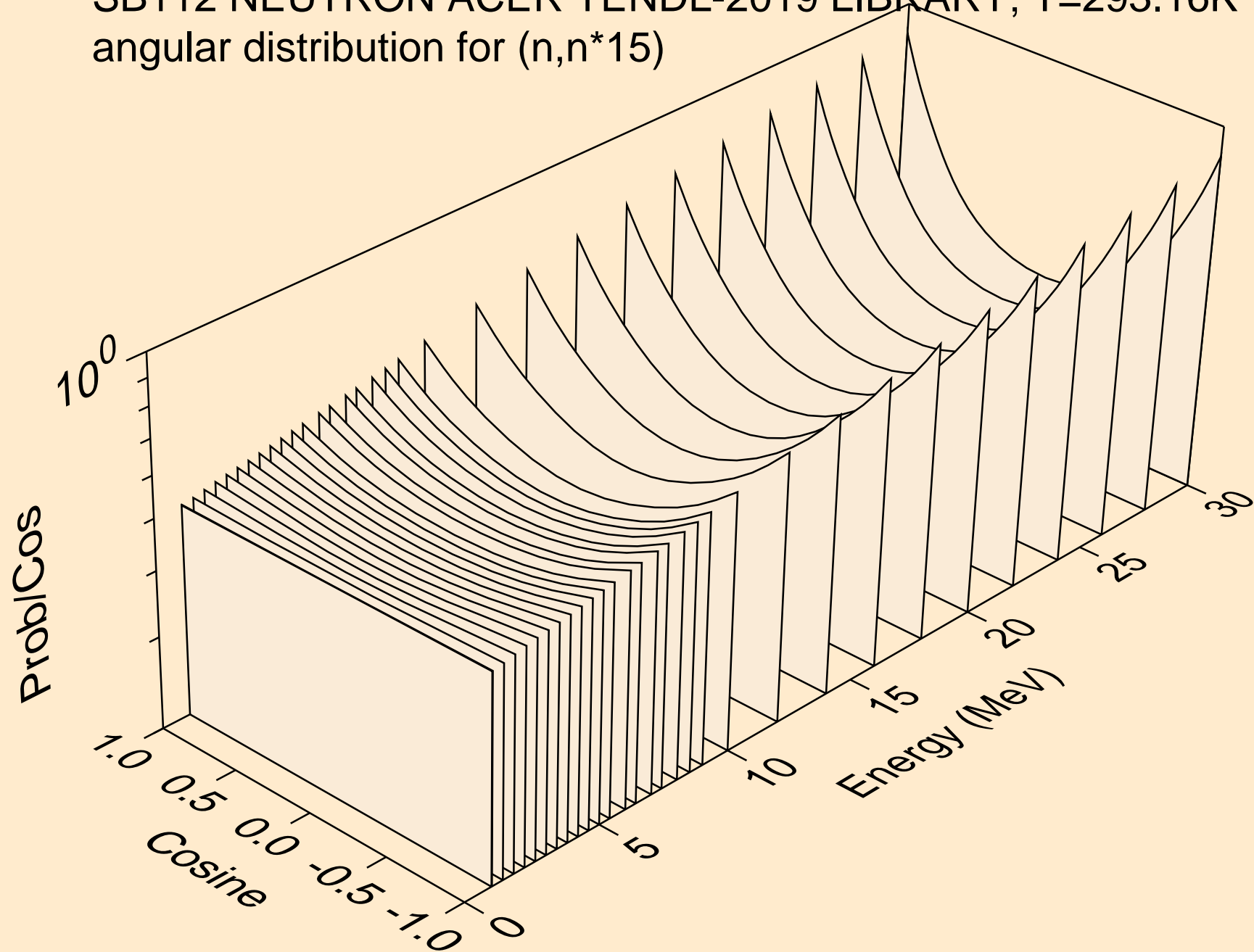
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angular distribution for (n,n\*13)



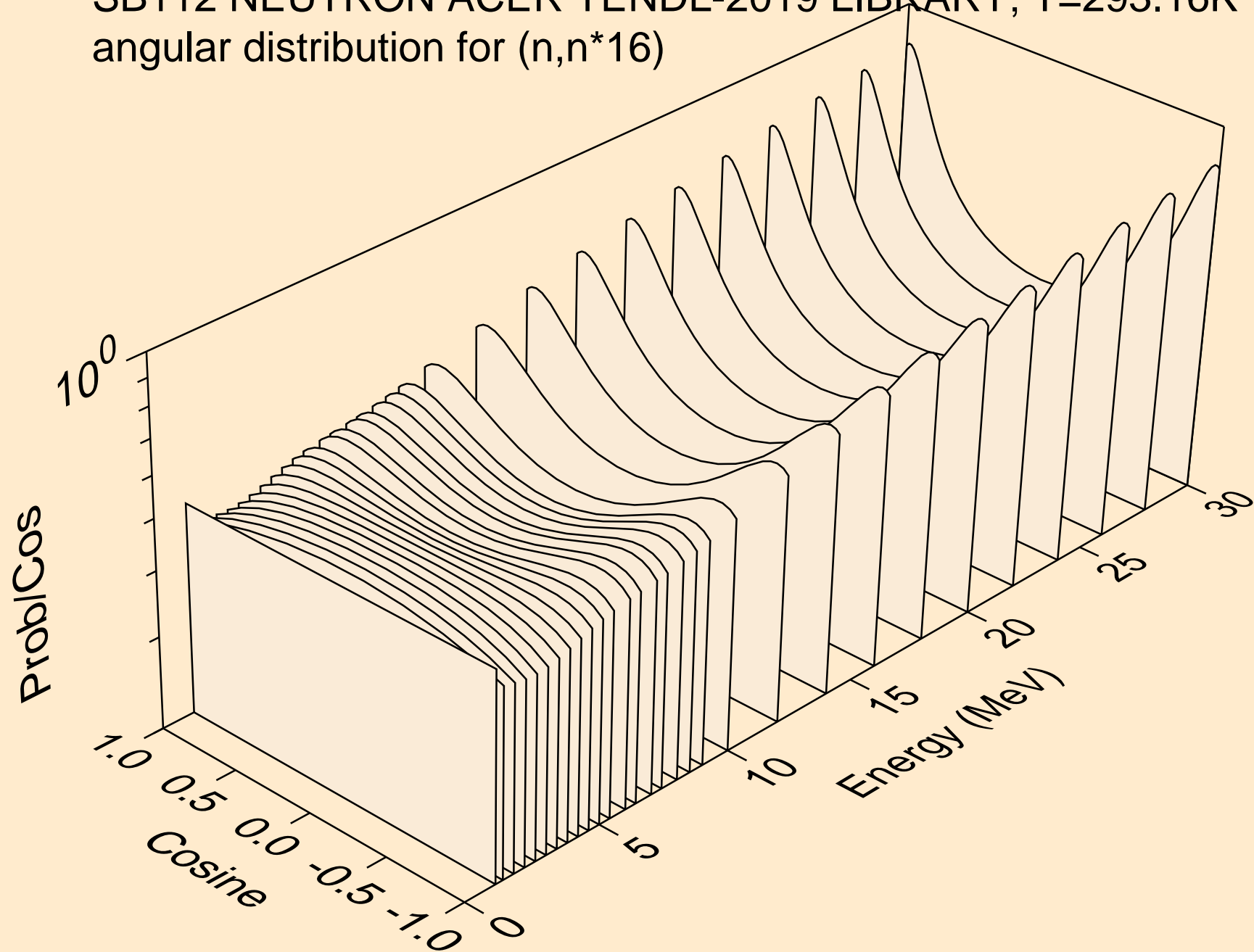
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angular distribution for (n,n\*14)



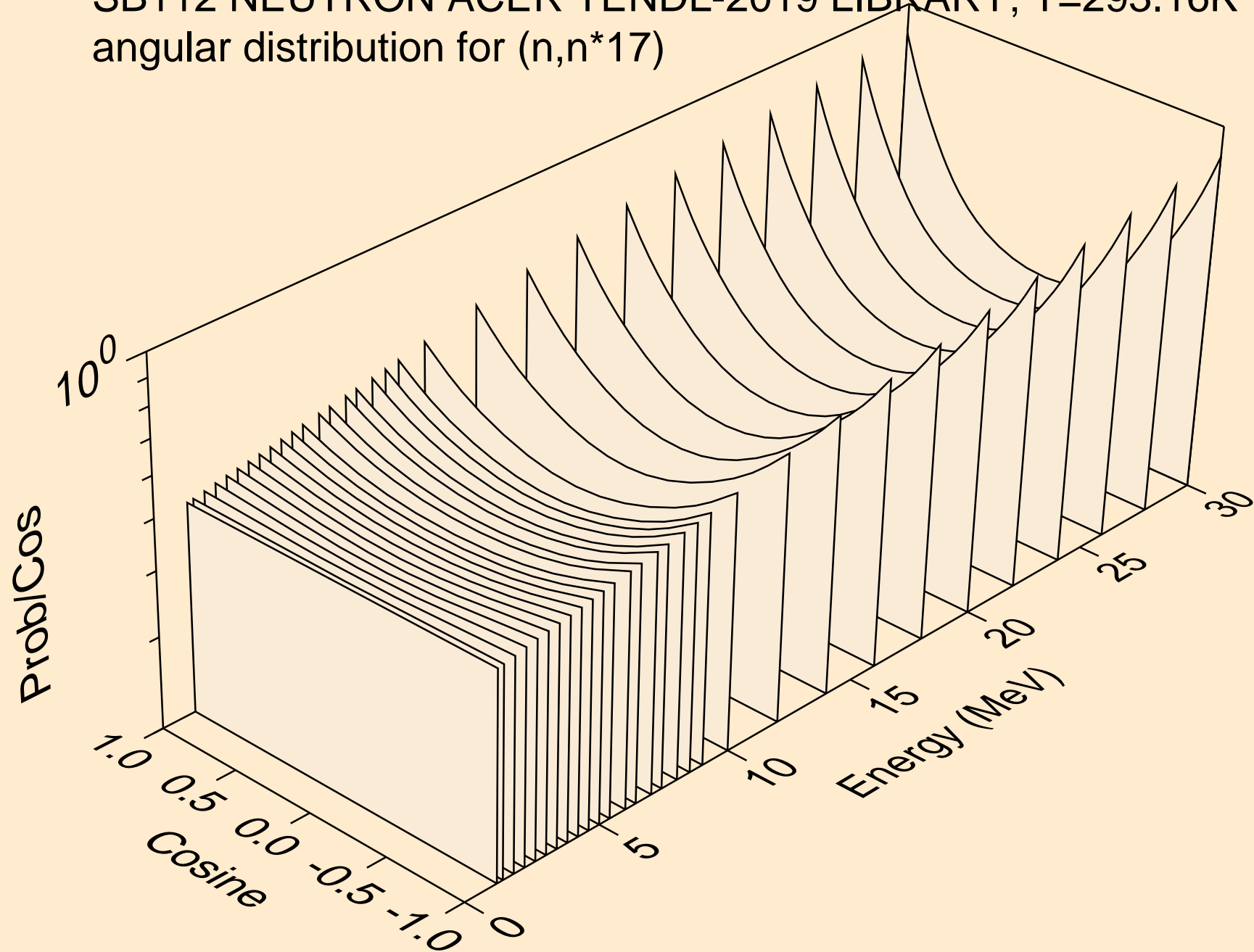
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

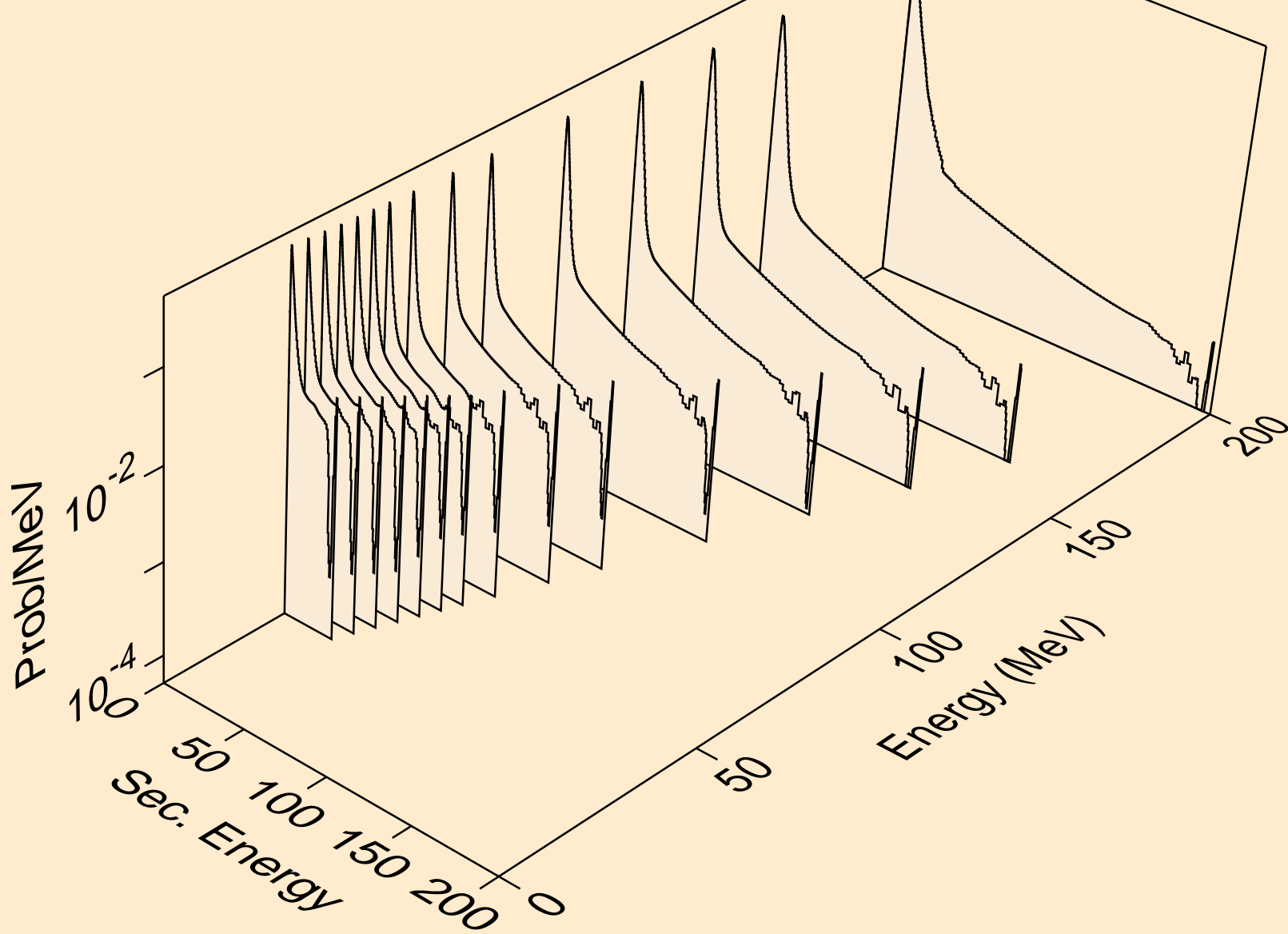


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

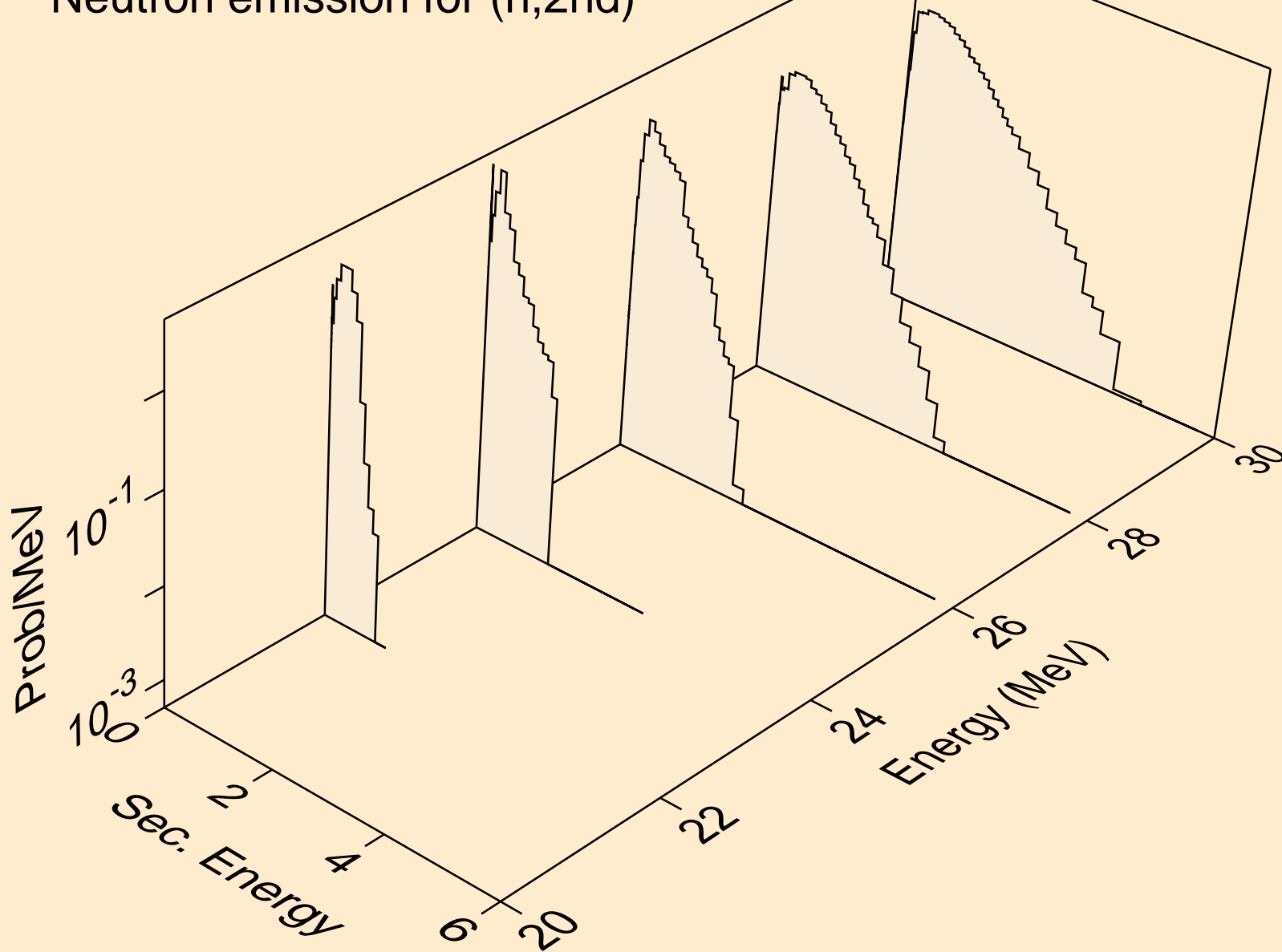




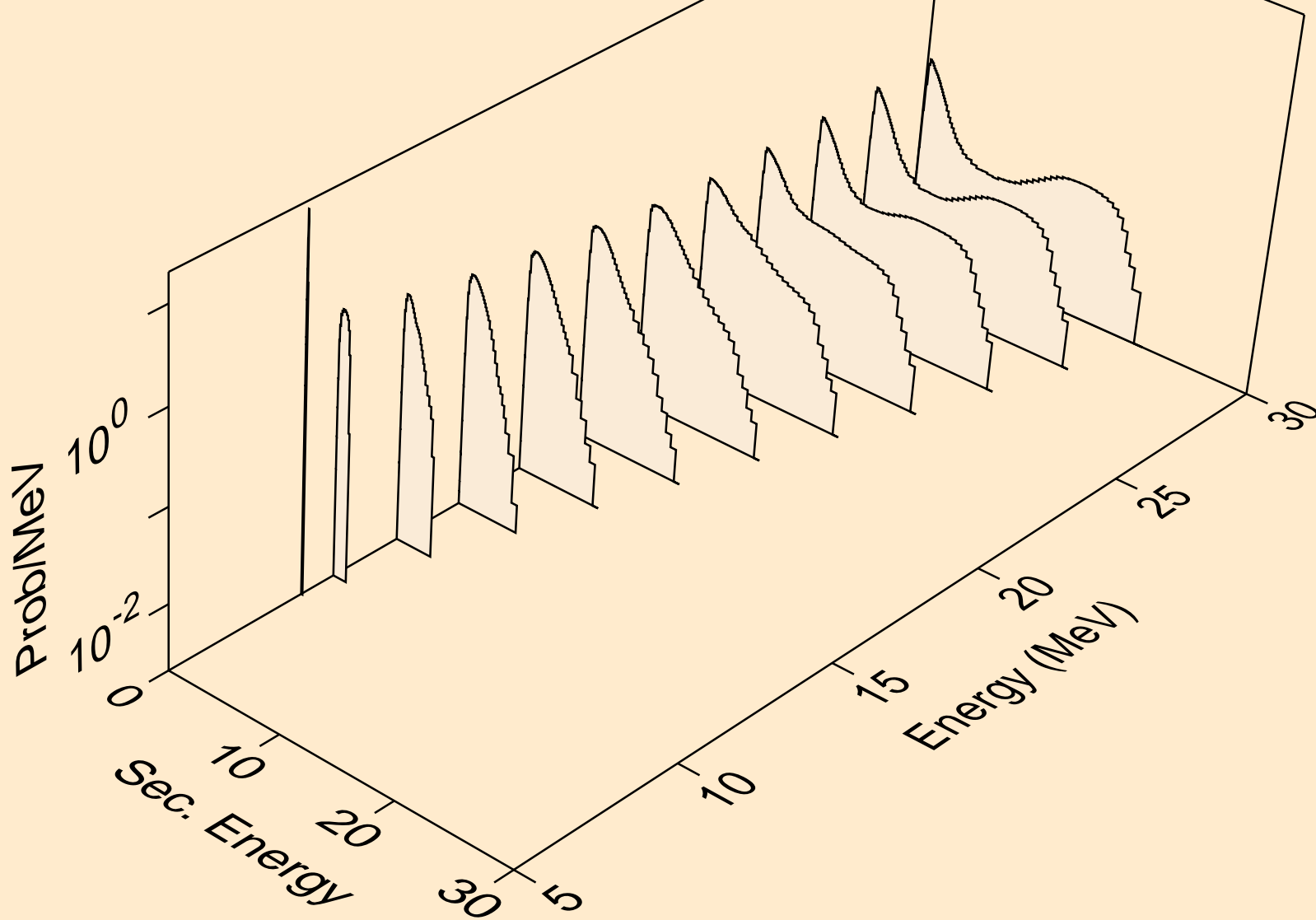
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



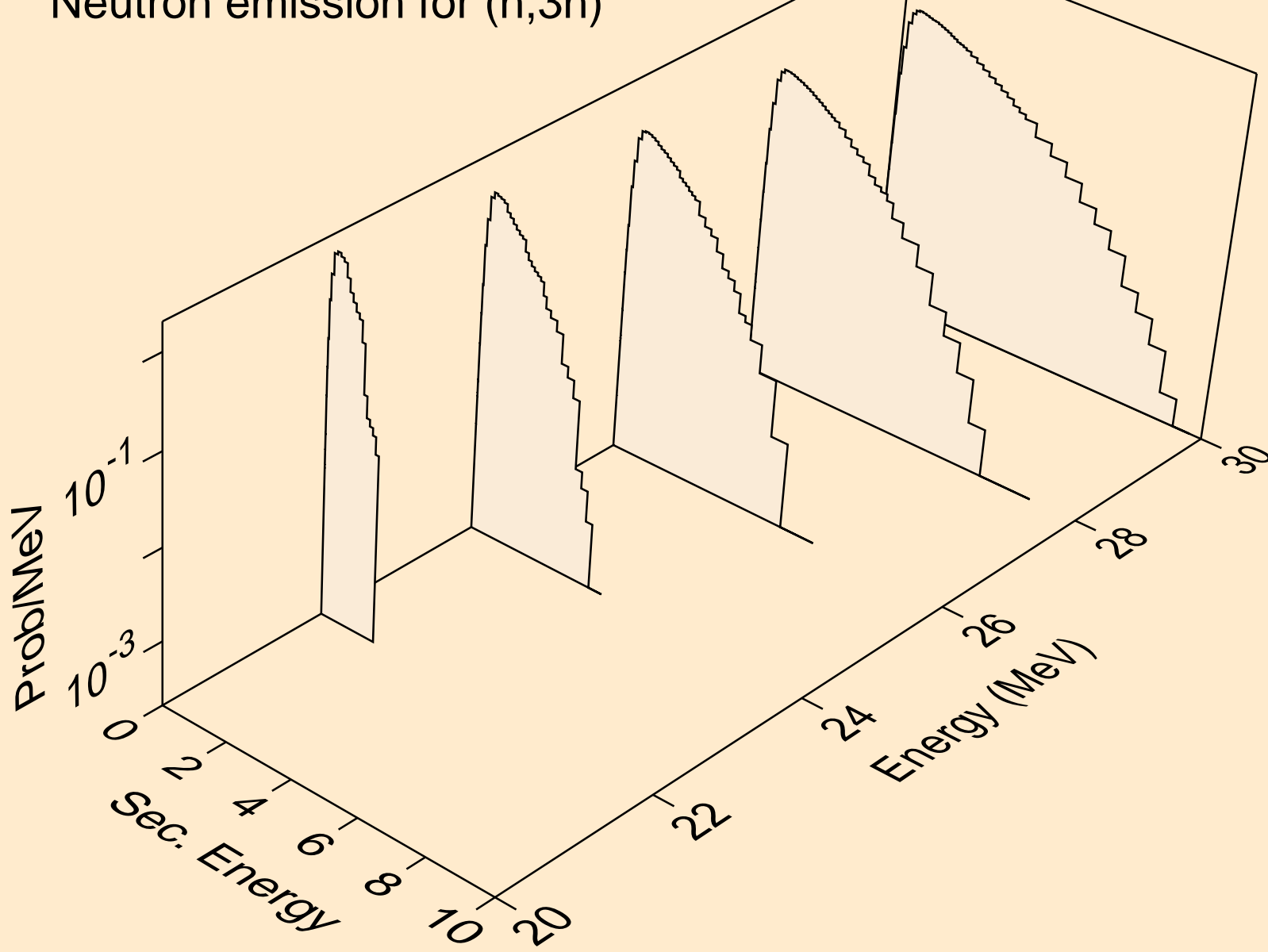
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



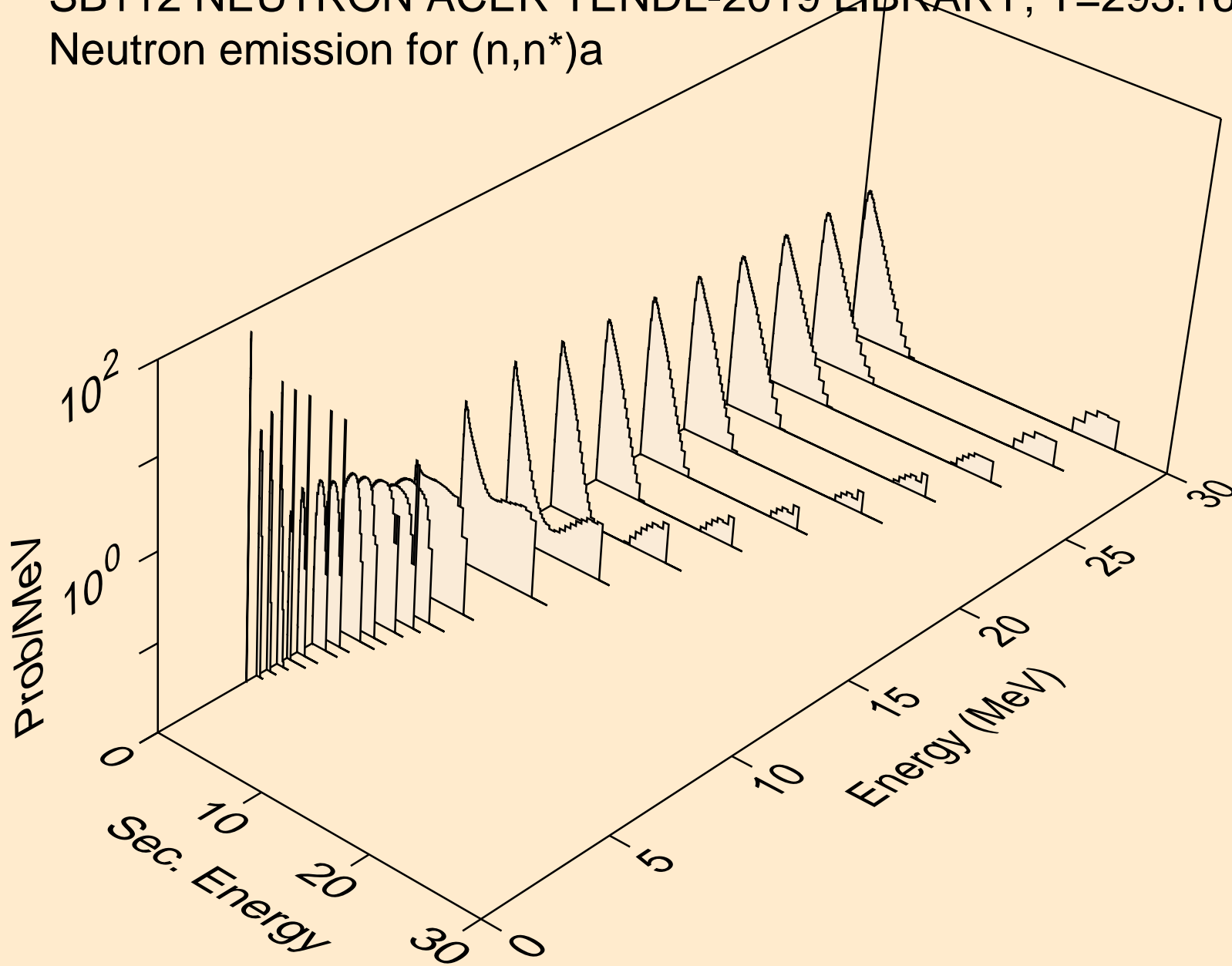
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



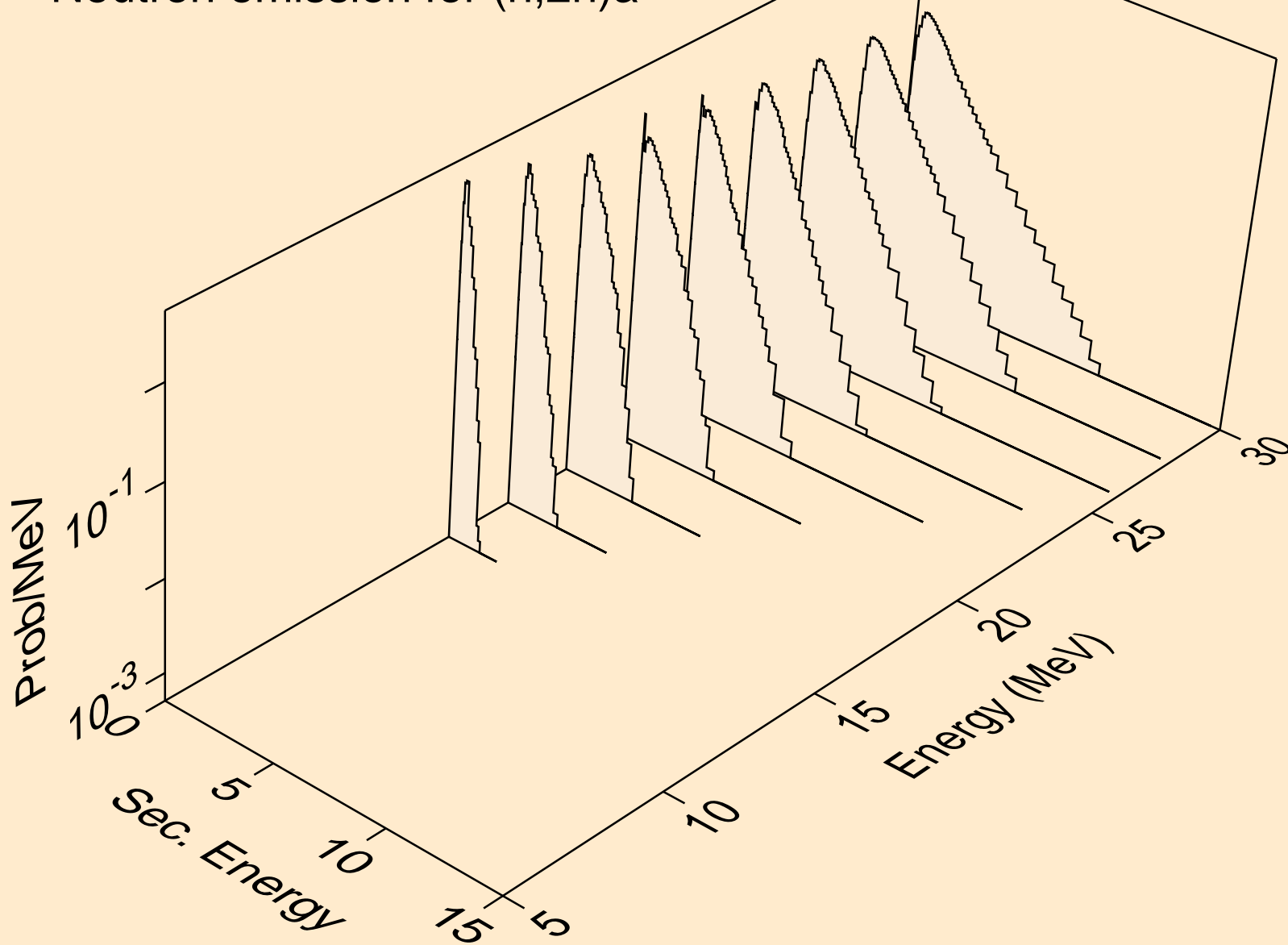
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



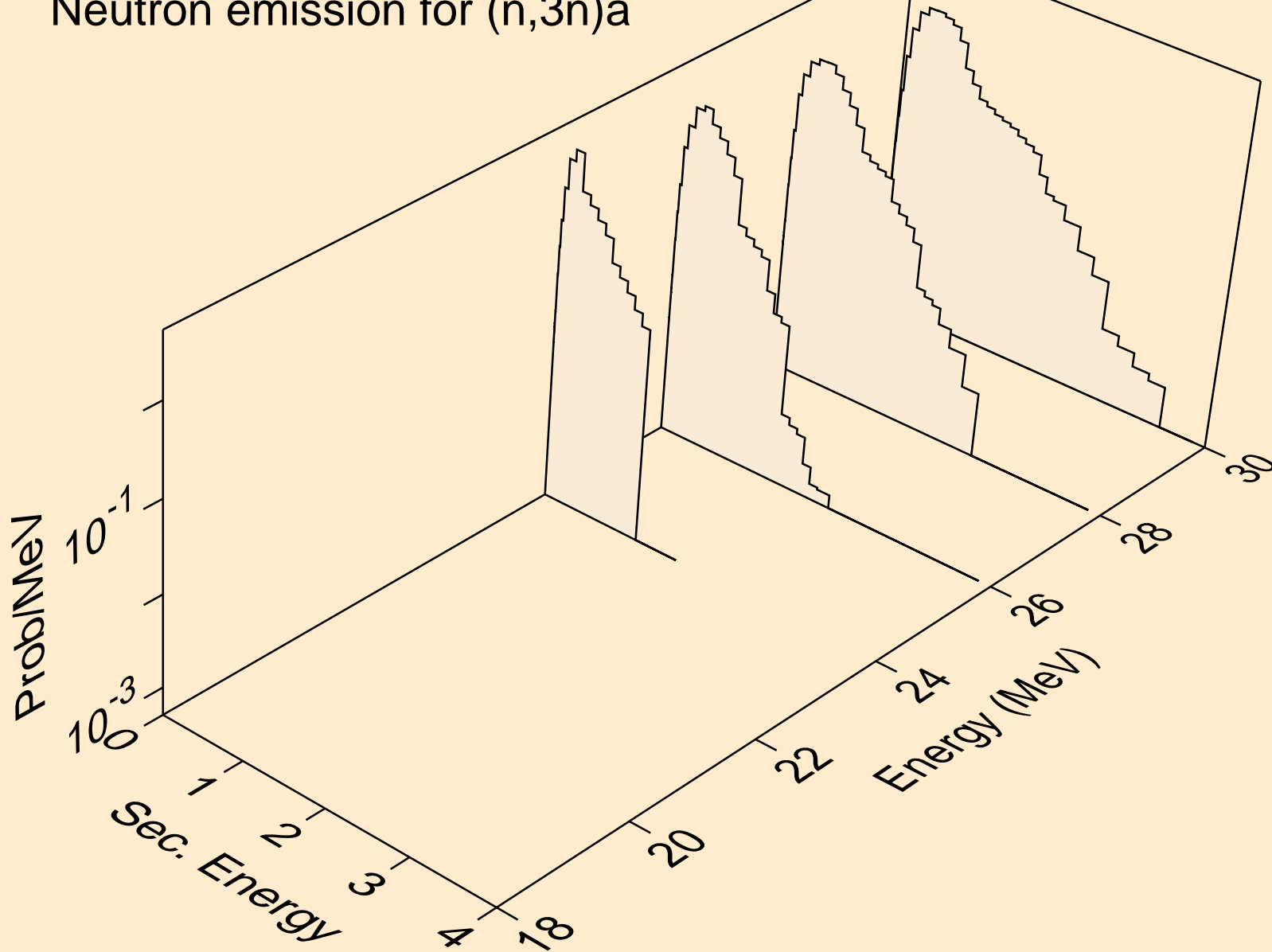
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



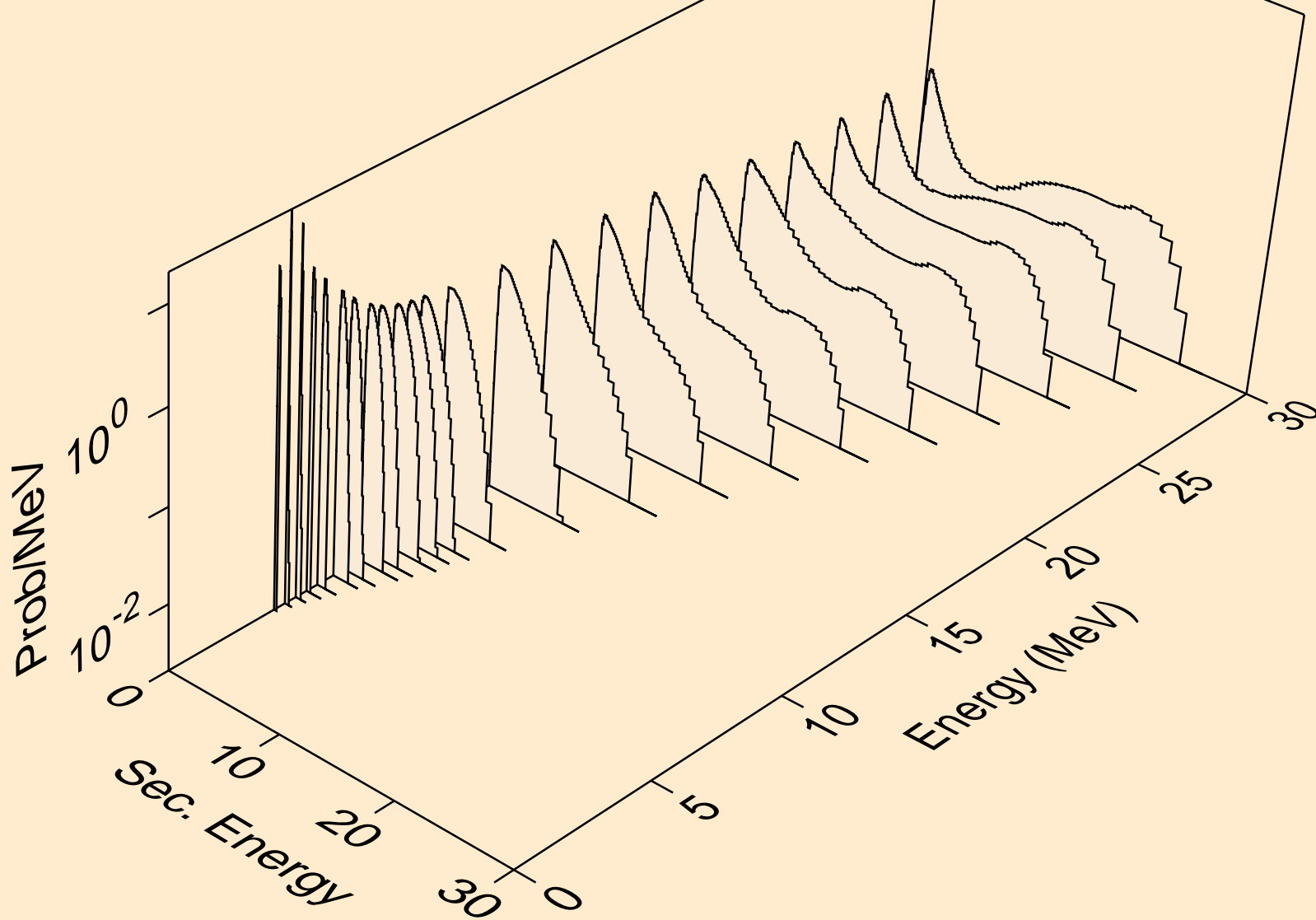
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a

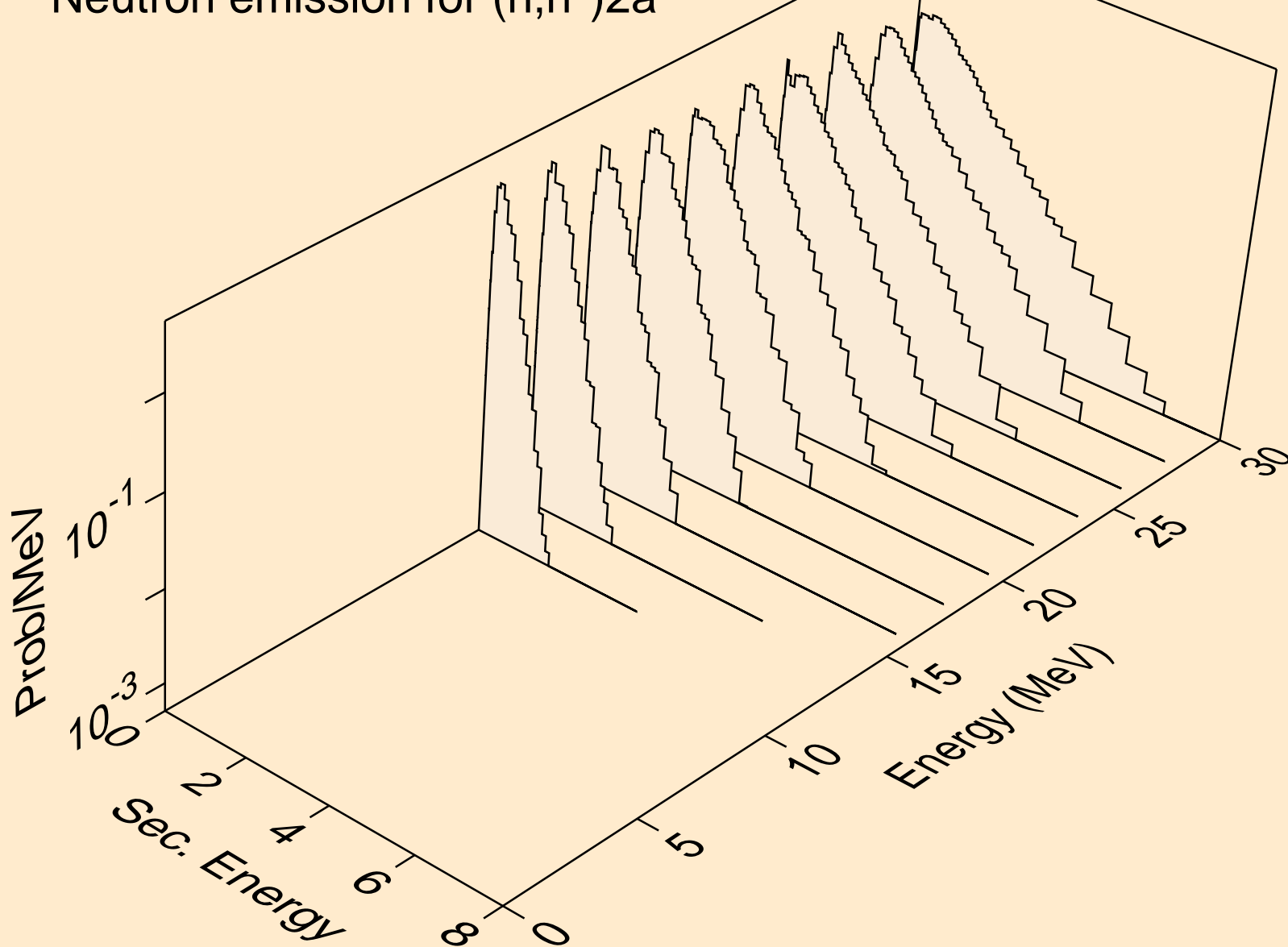


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

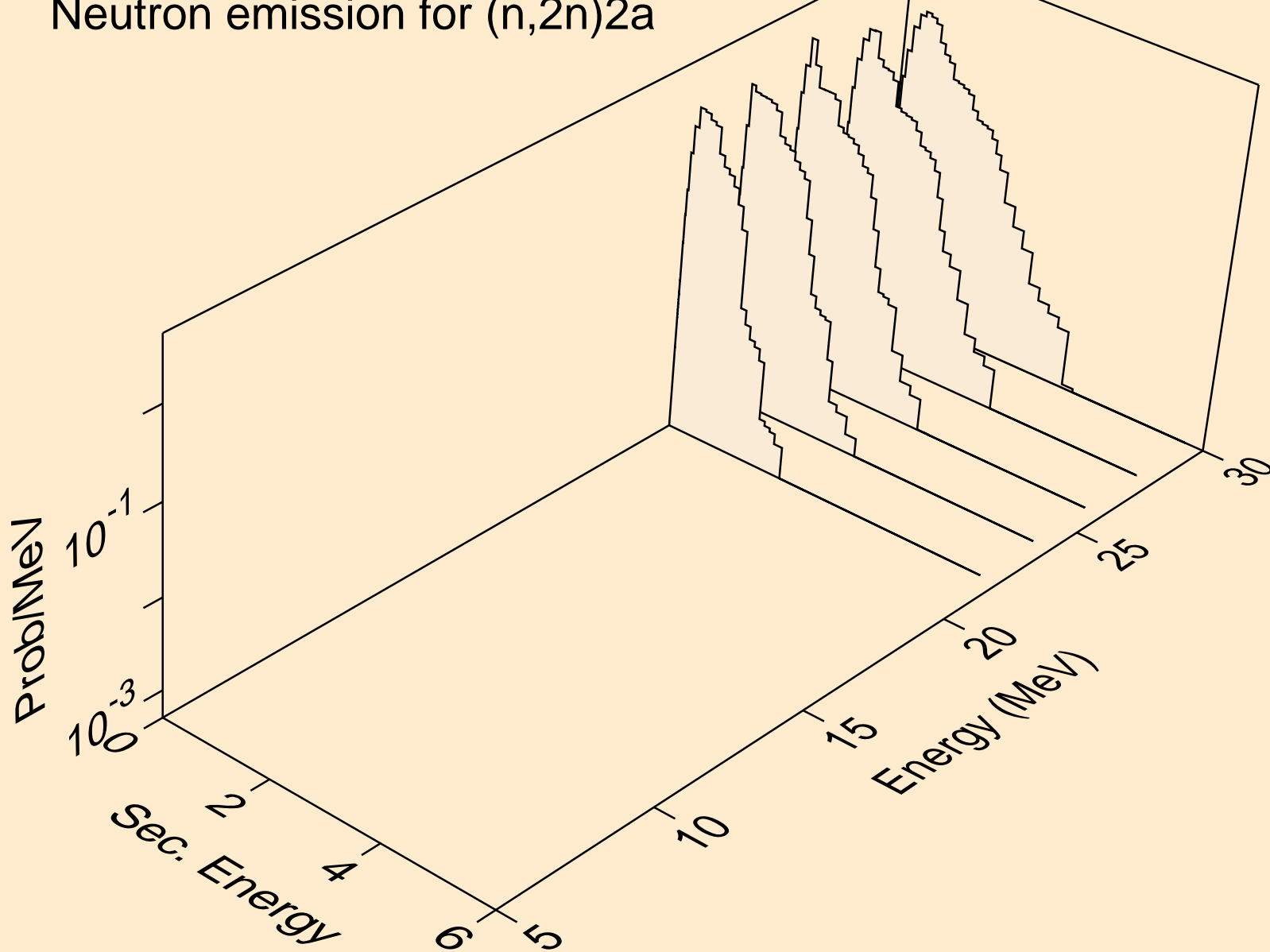




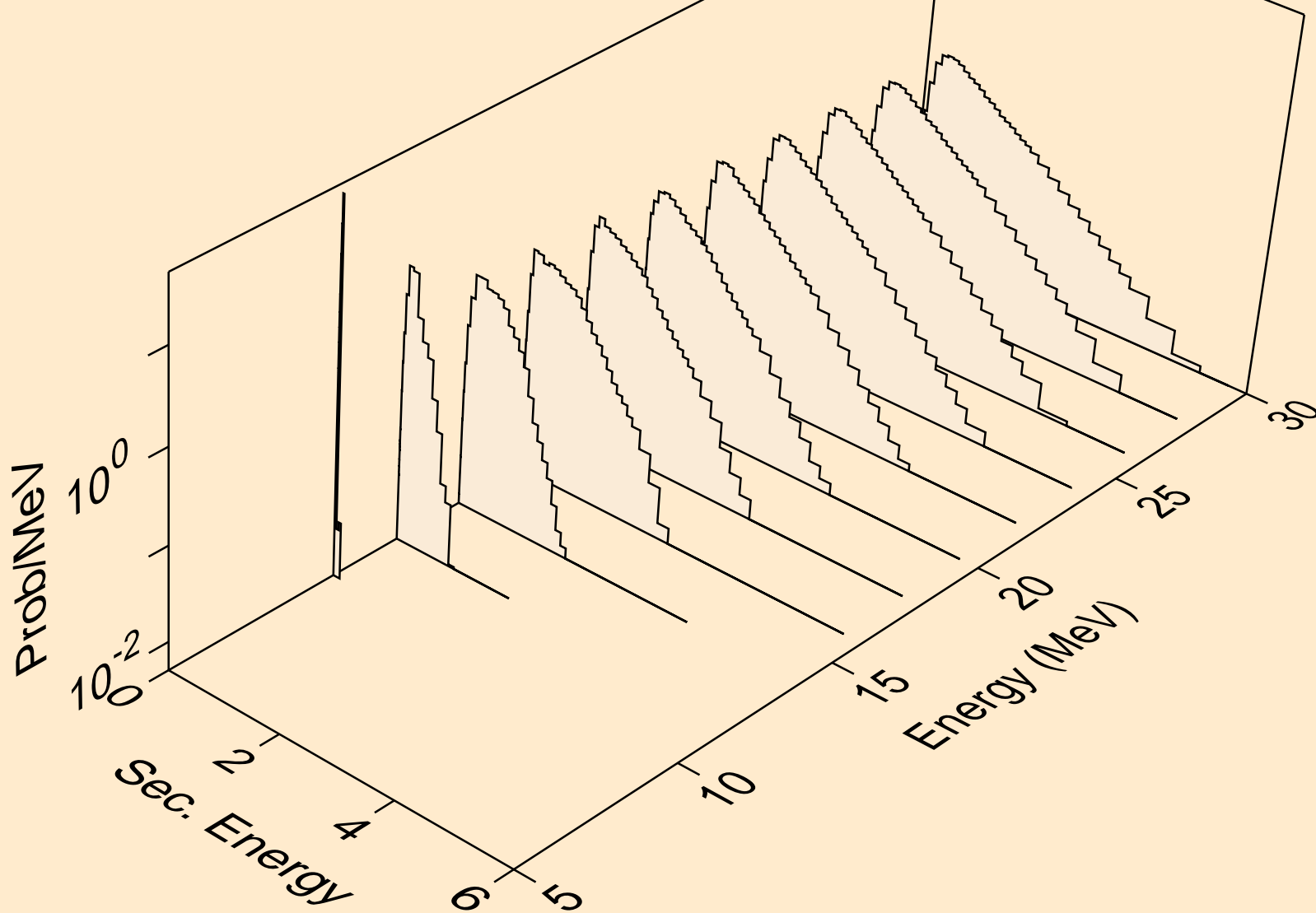
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



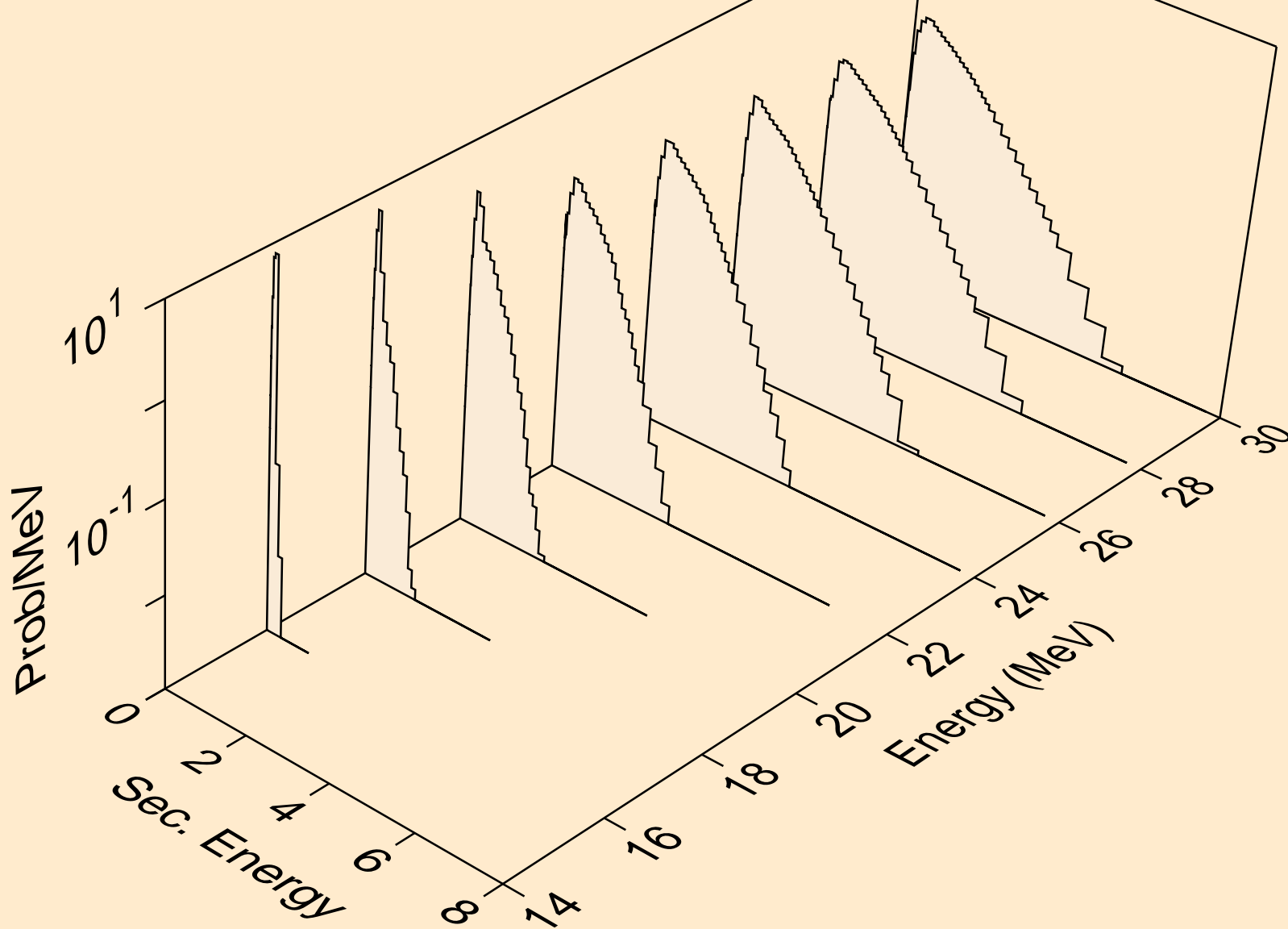
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



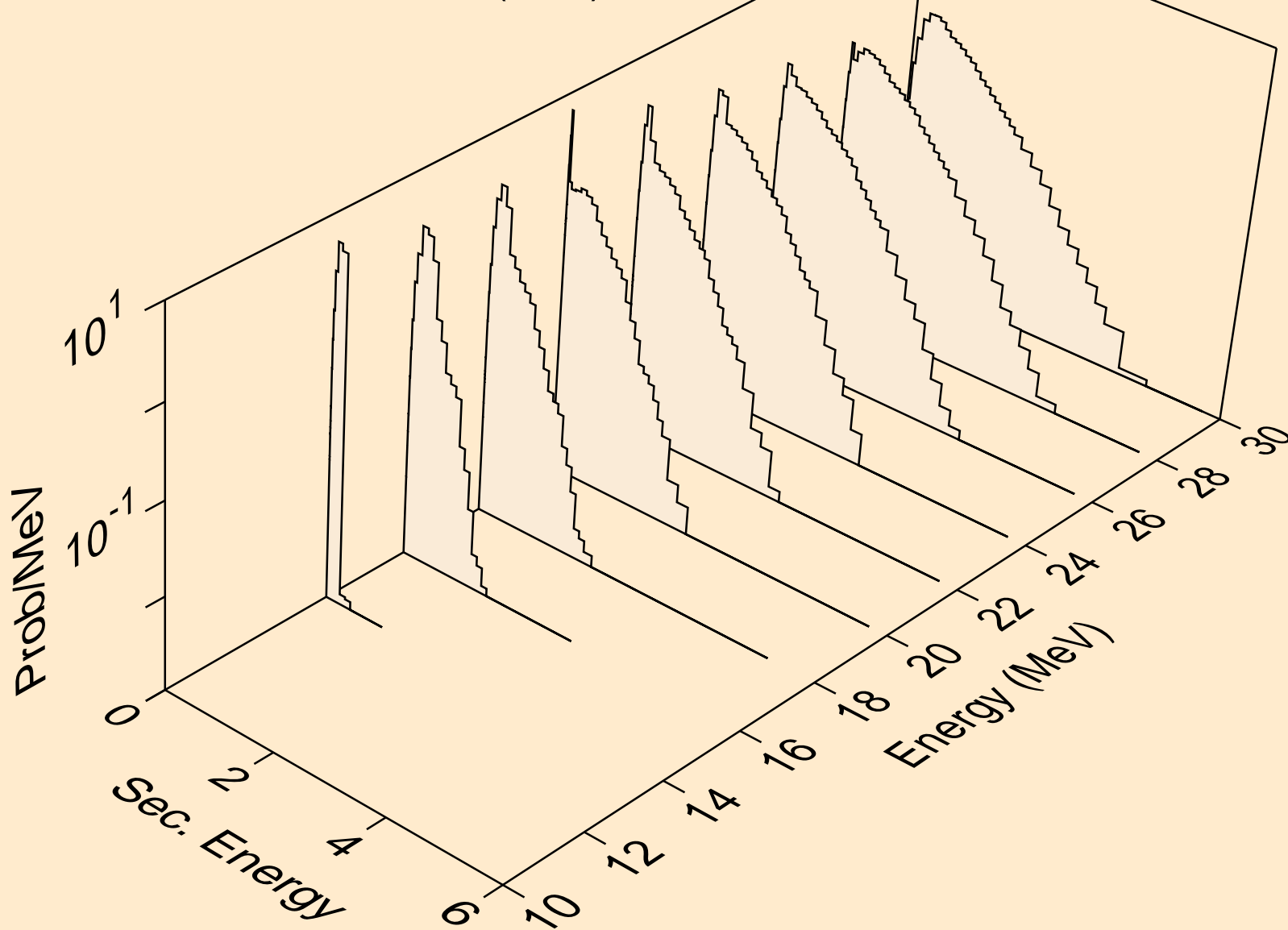
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



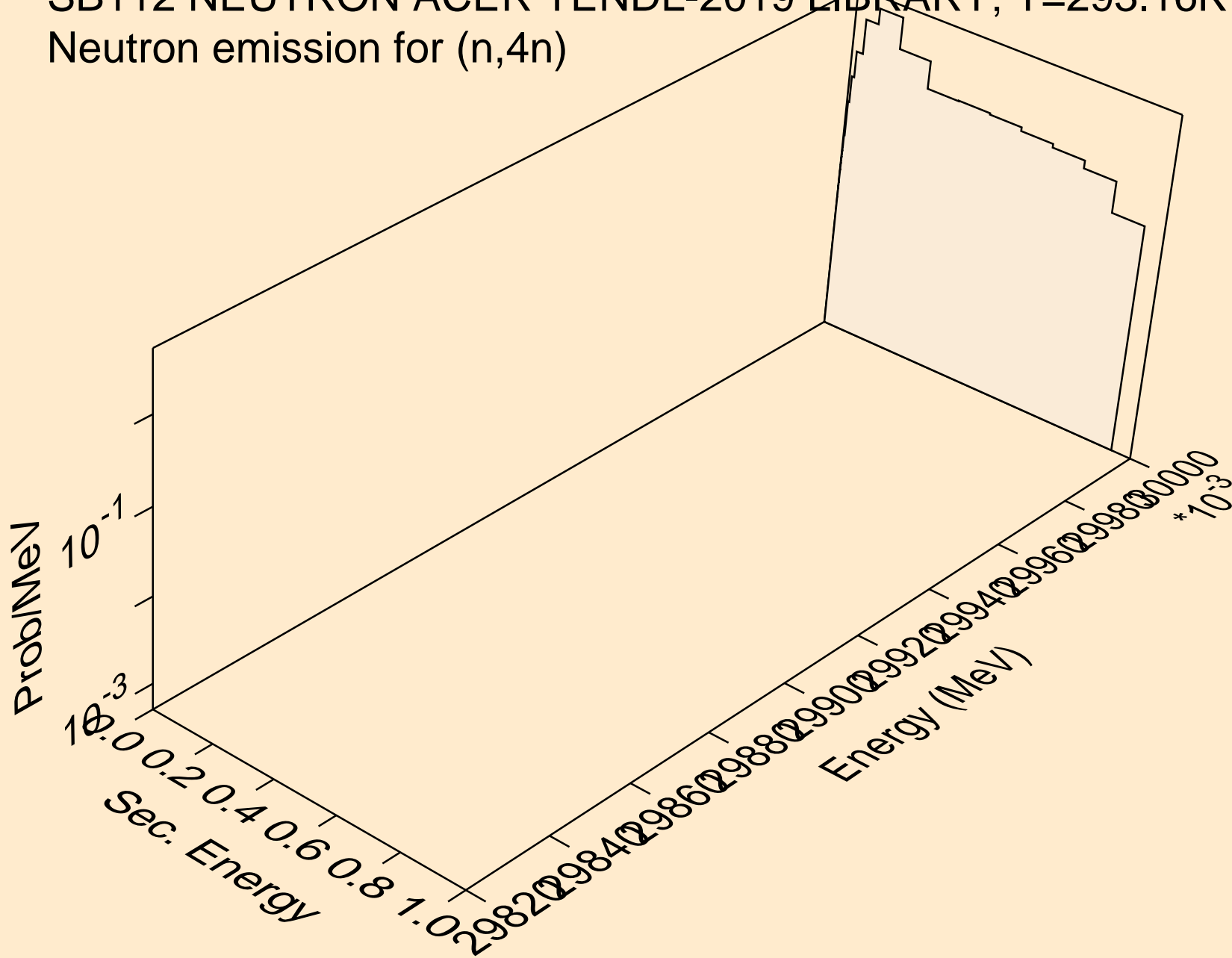
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Neutron emission for (n,n\*)t



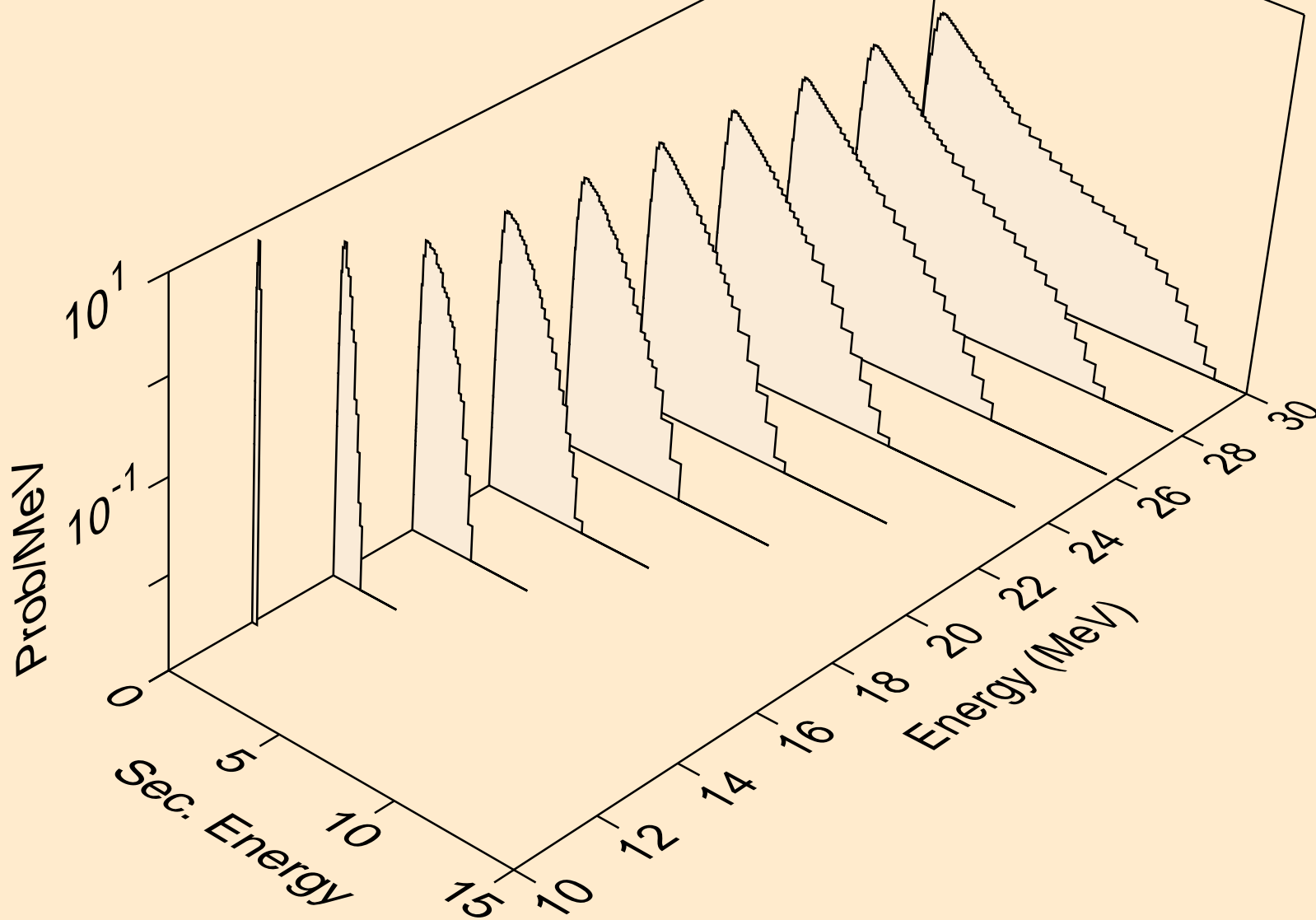
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Neutron emission for (n,n\*)he3



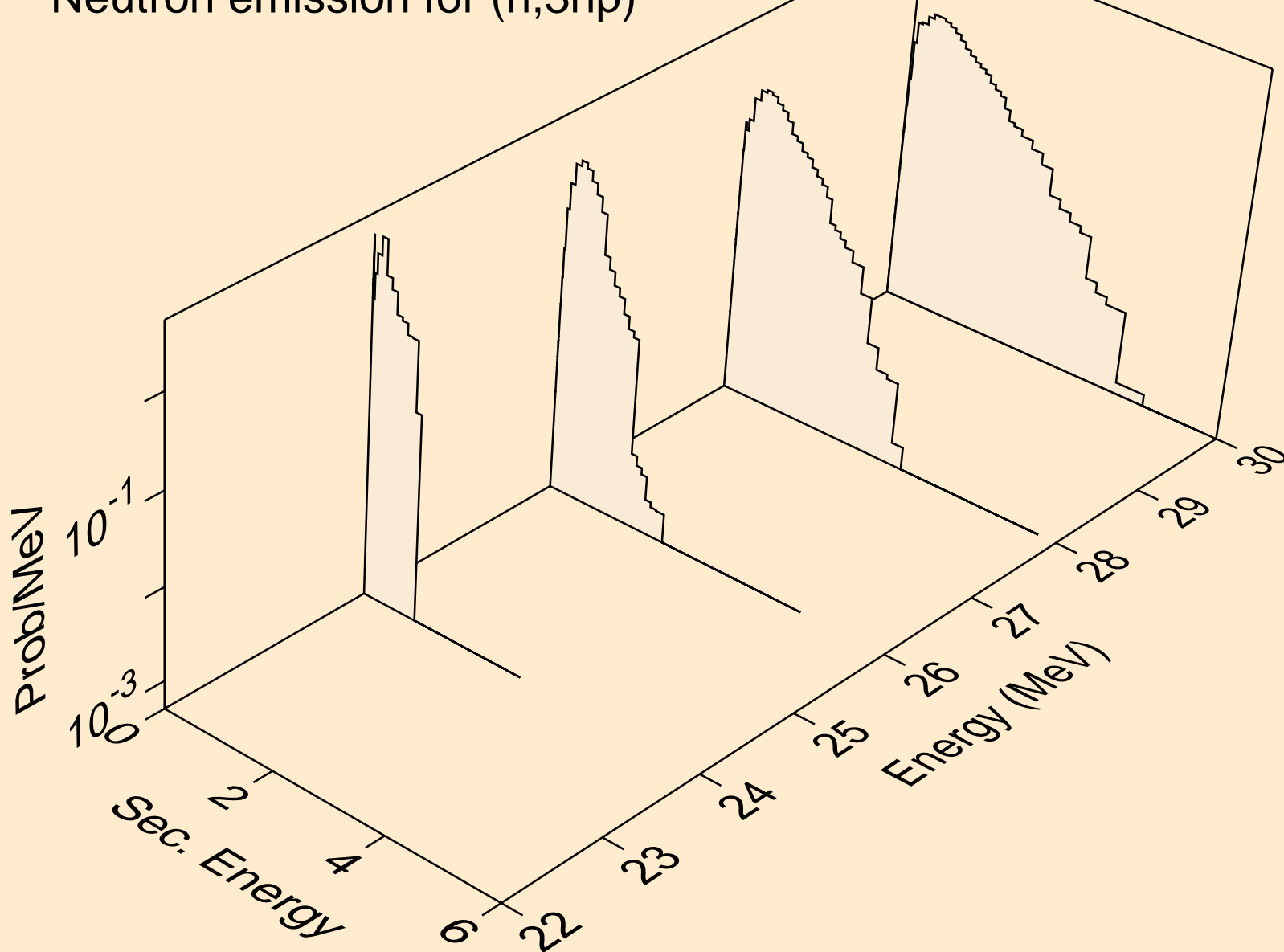
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

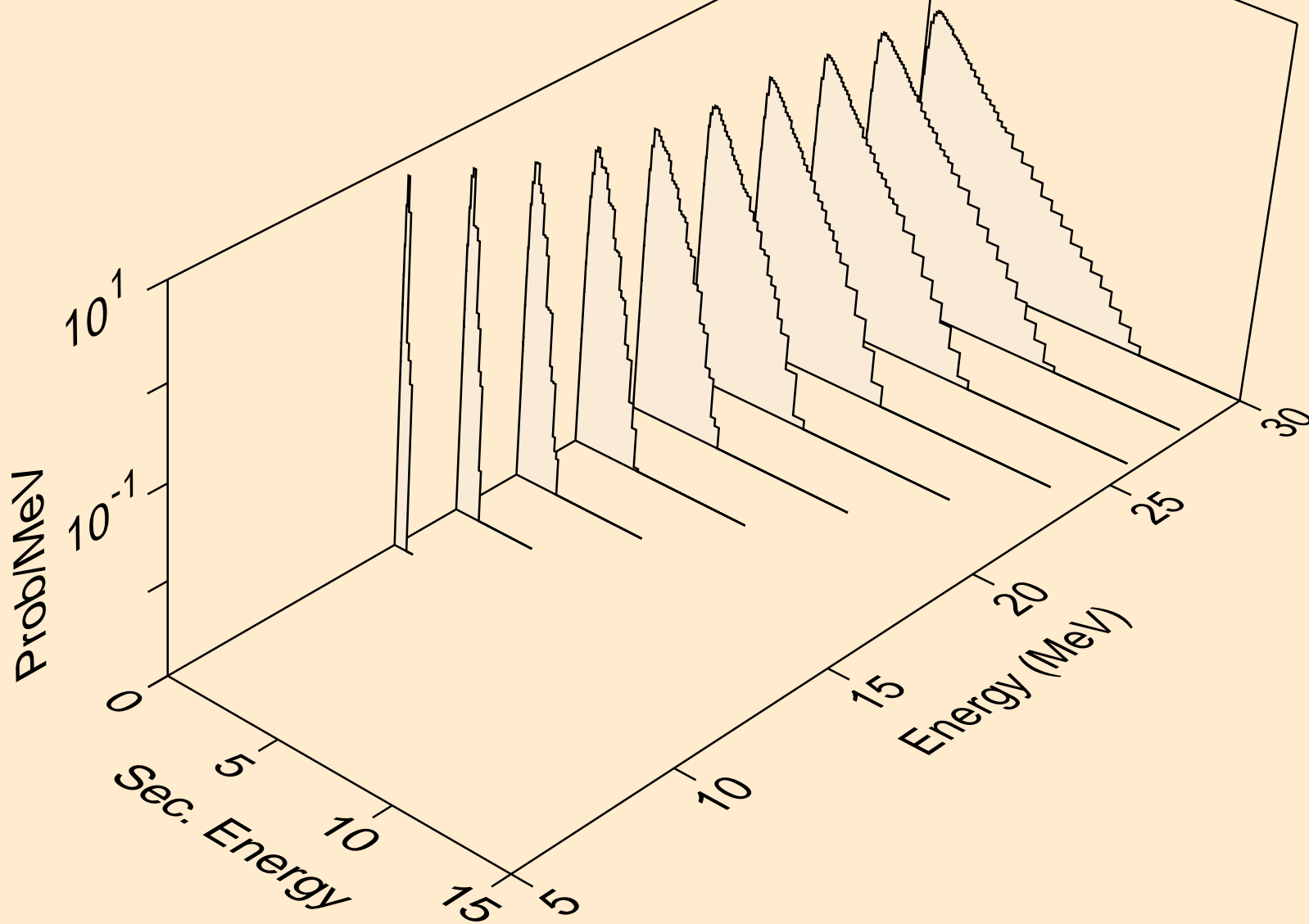


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

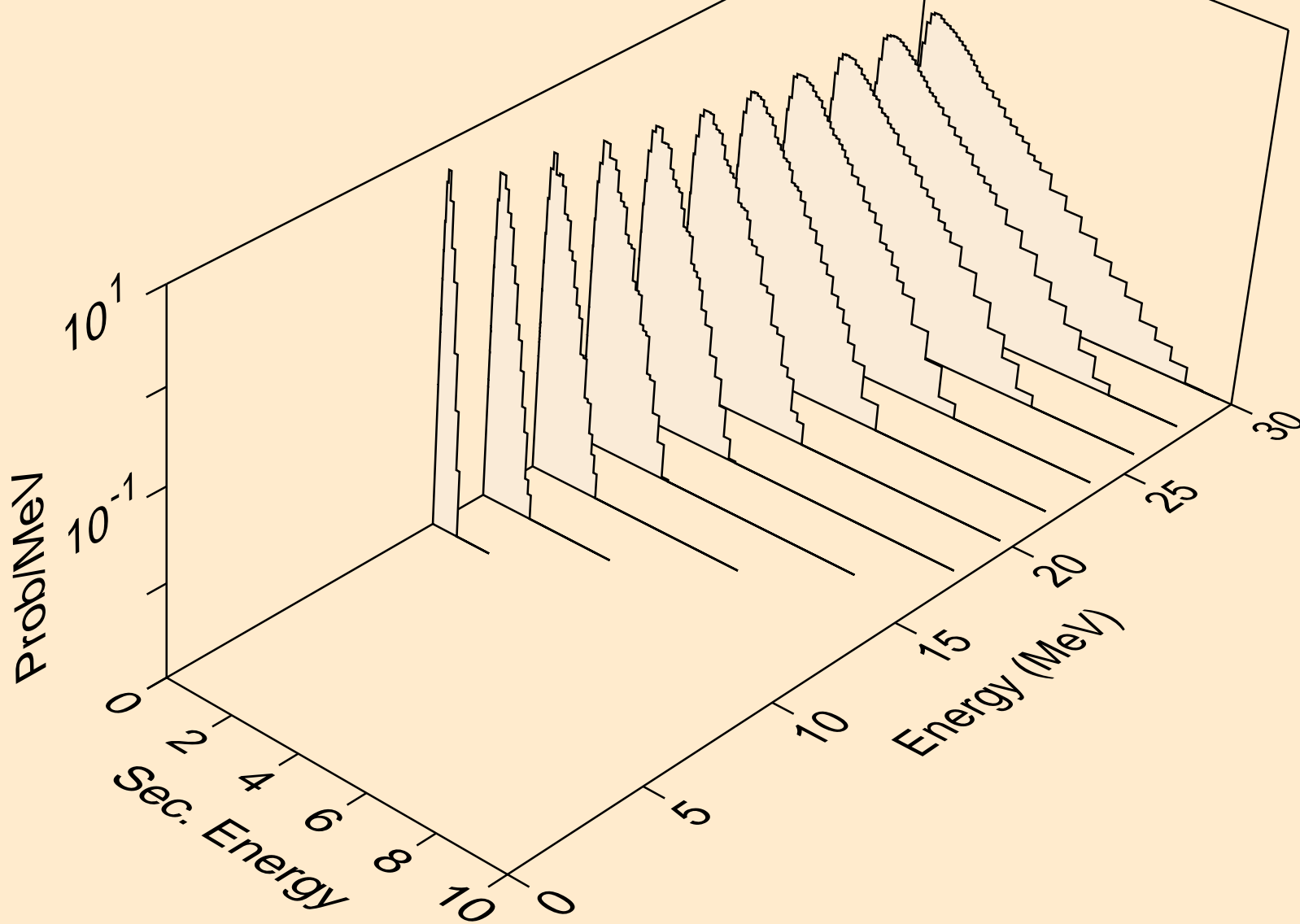




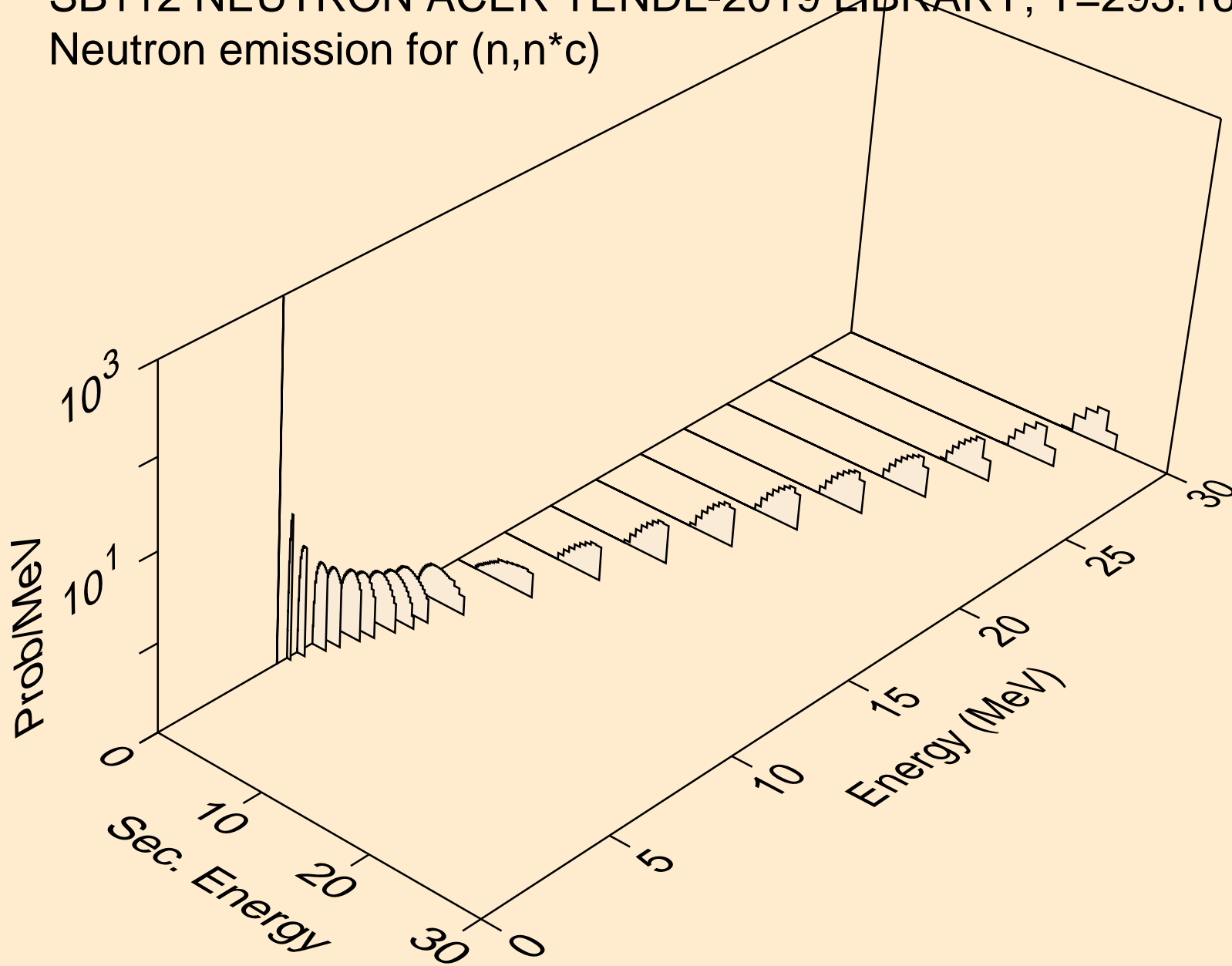
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



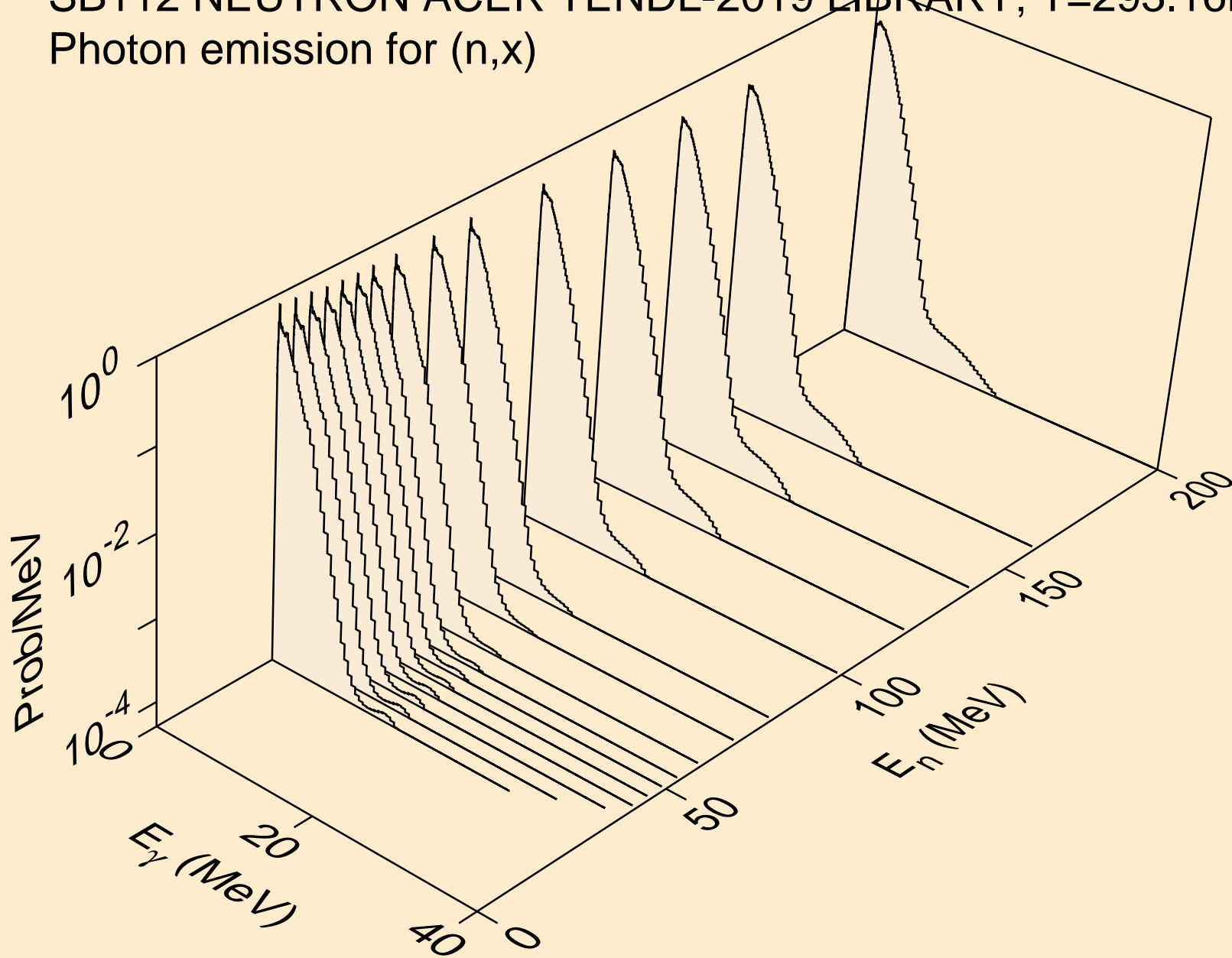
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



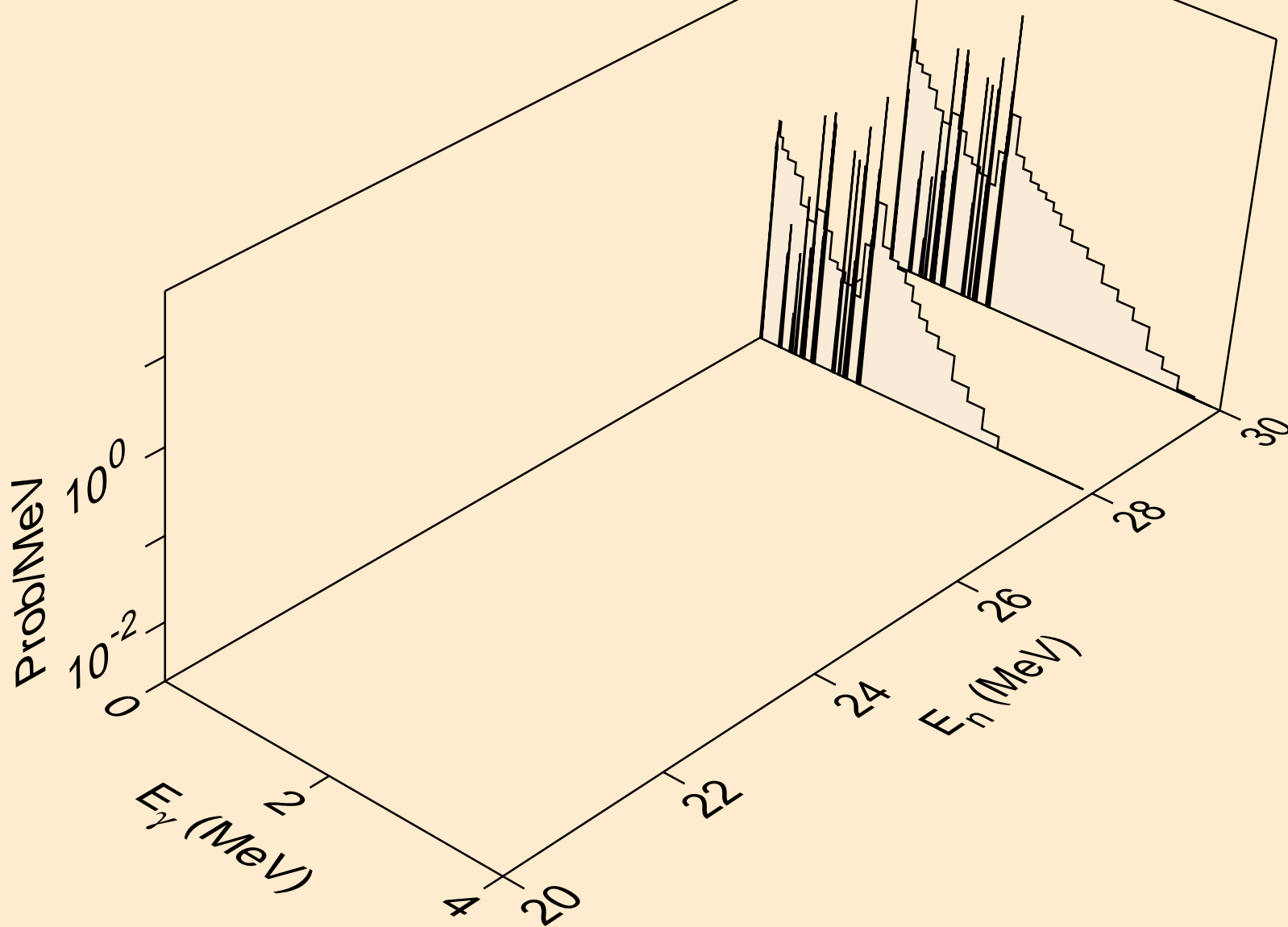
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



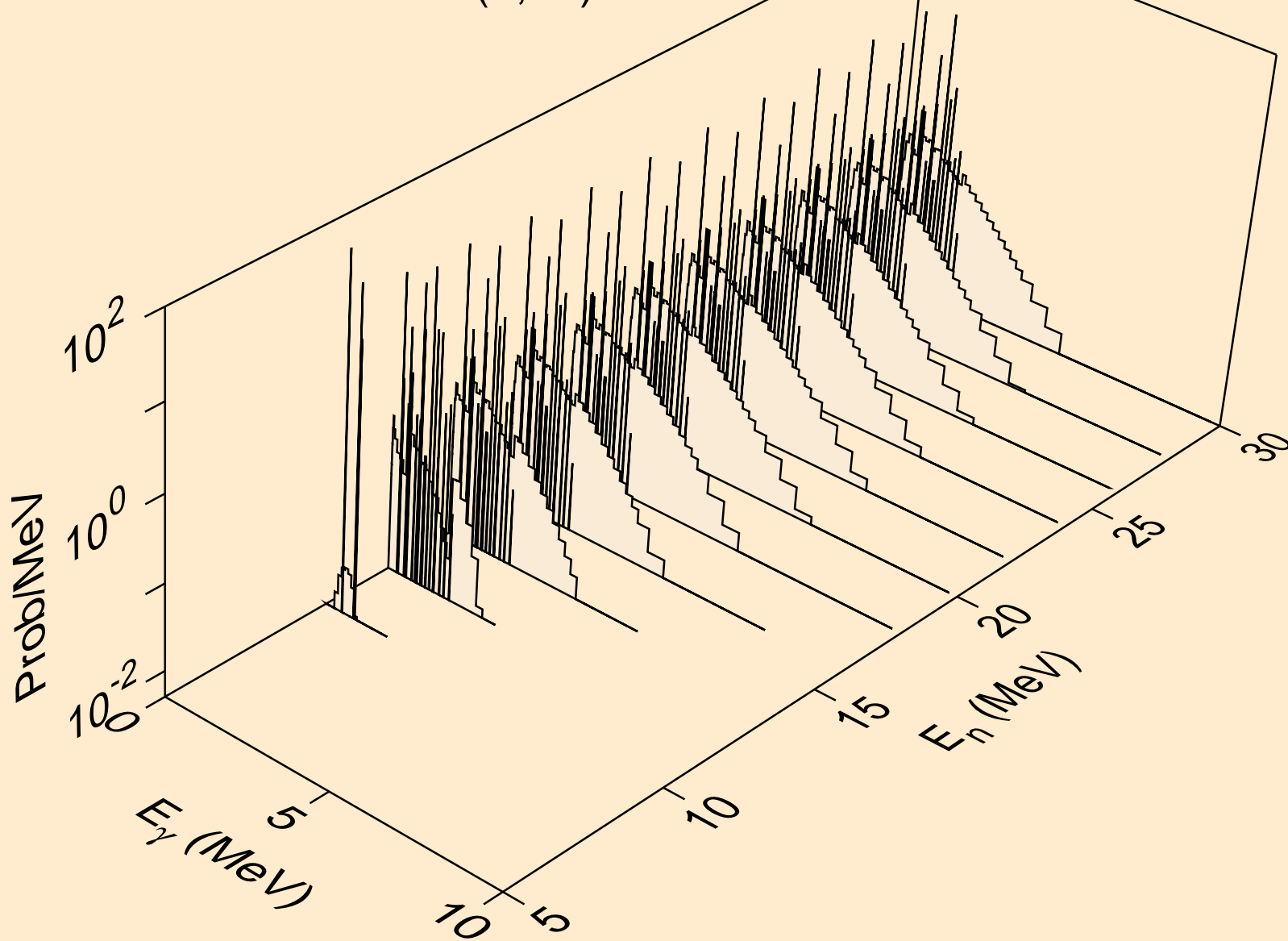
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



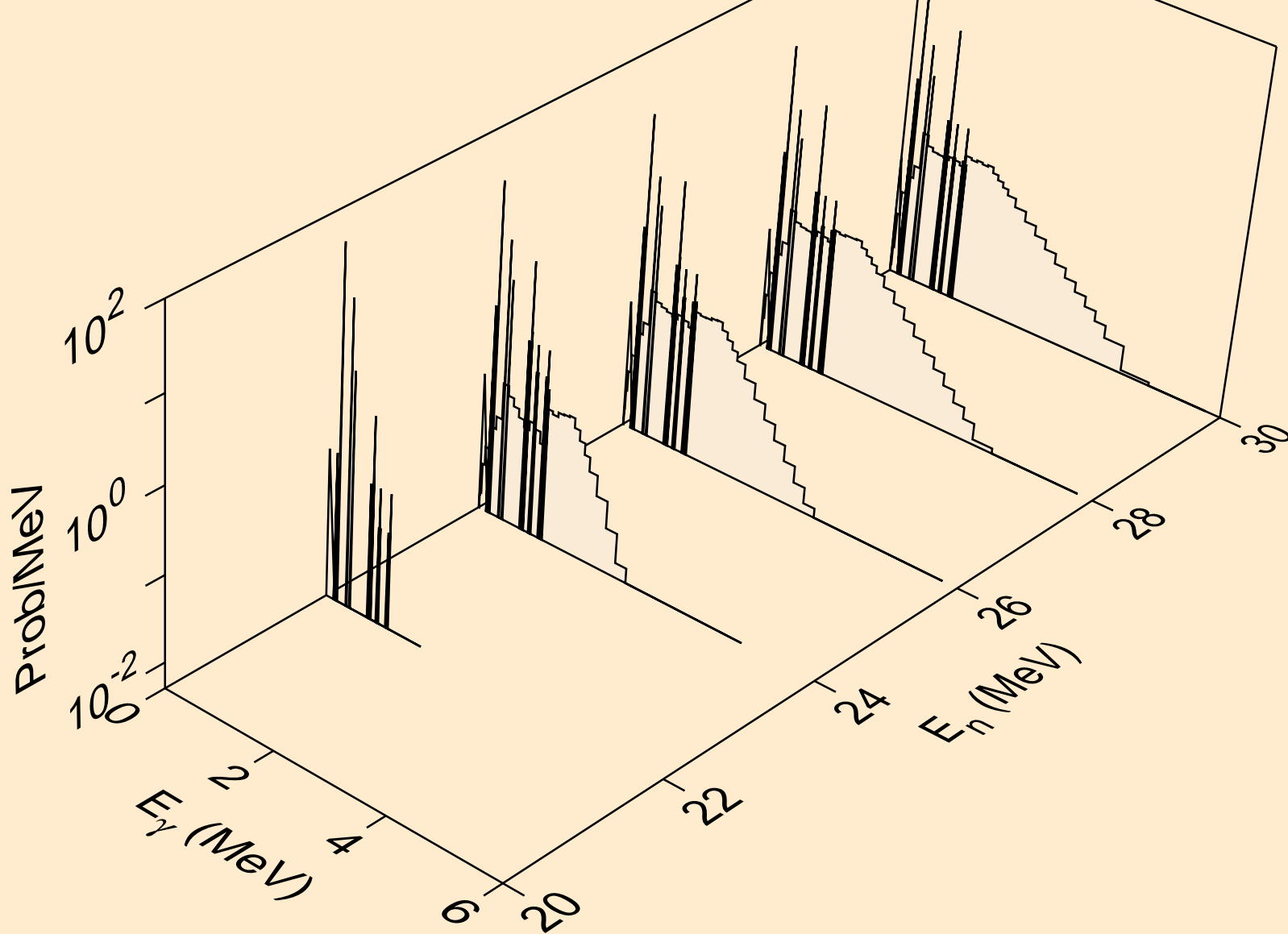
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



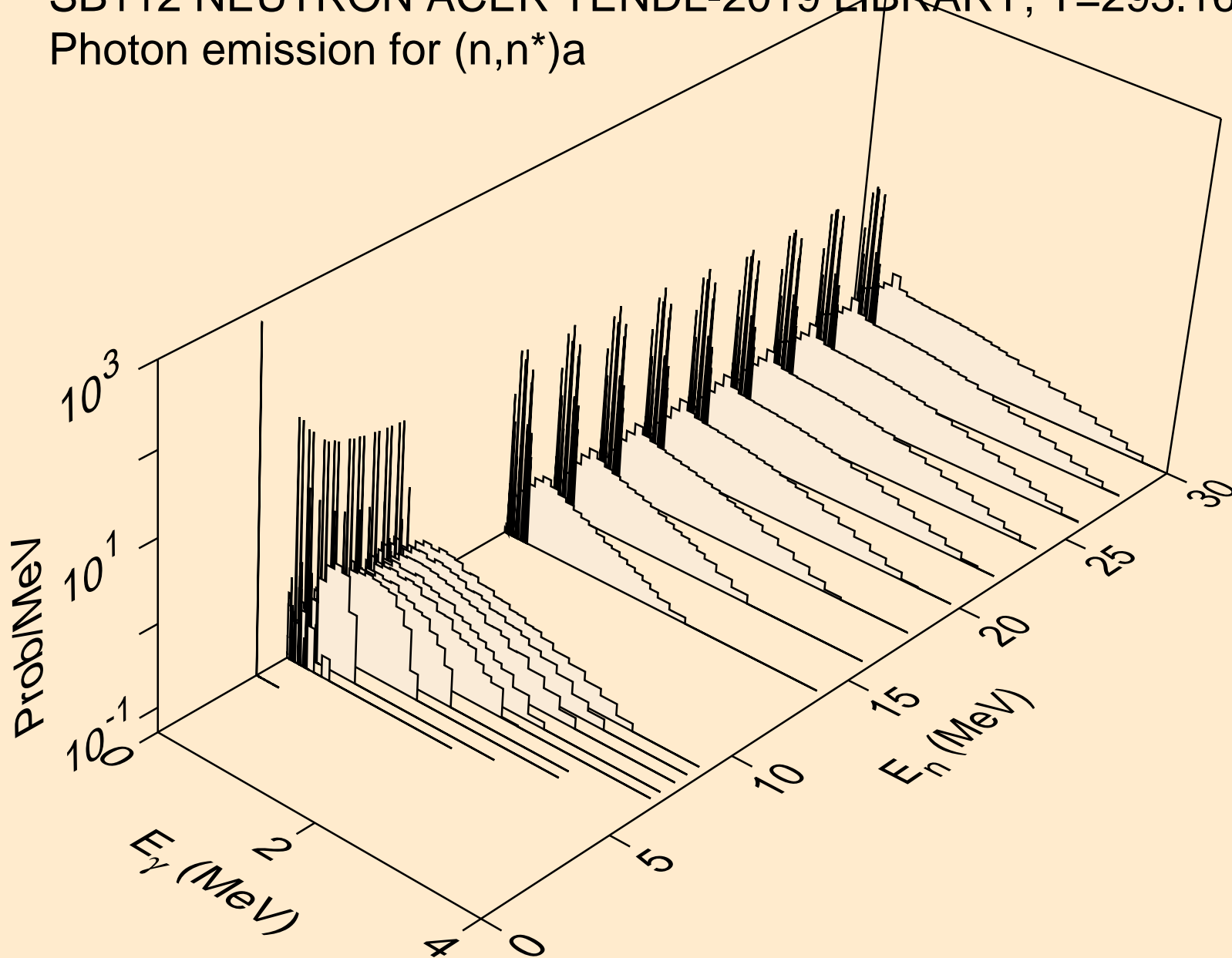
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

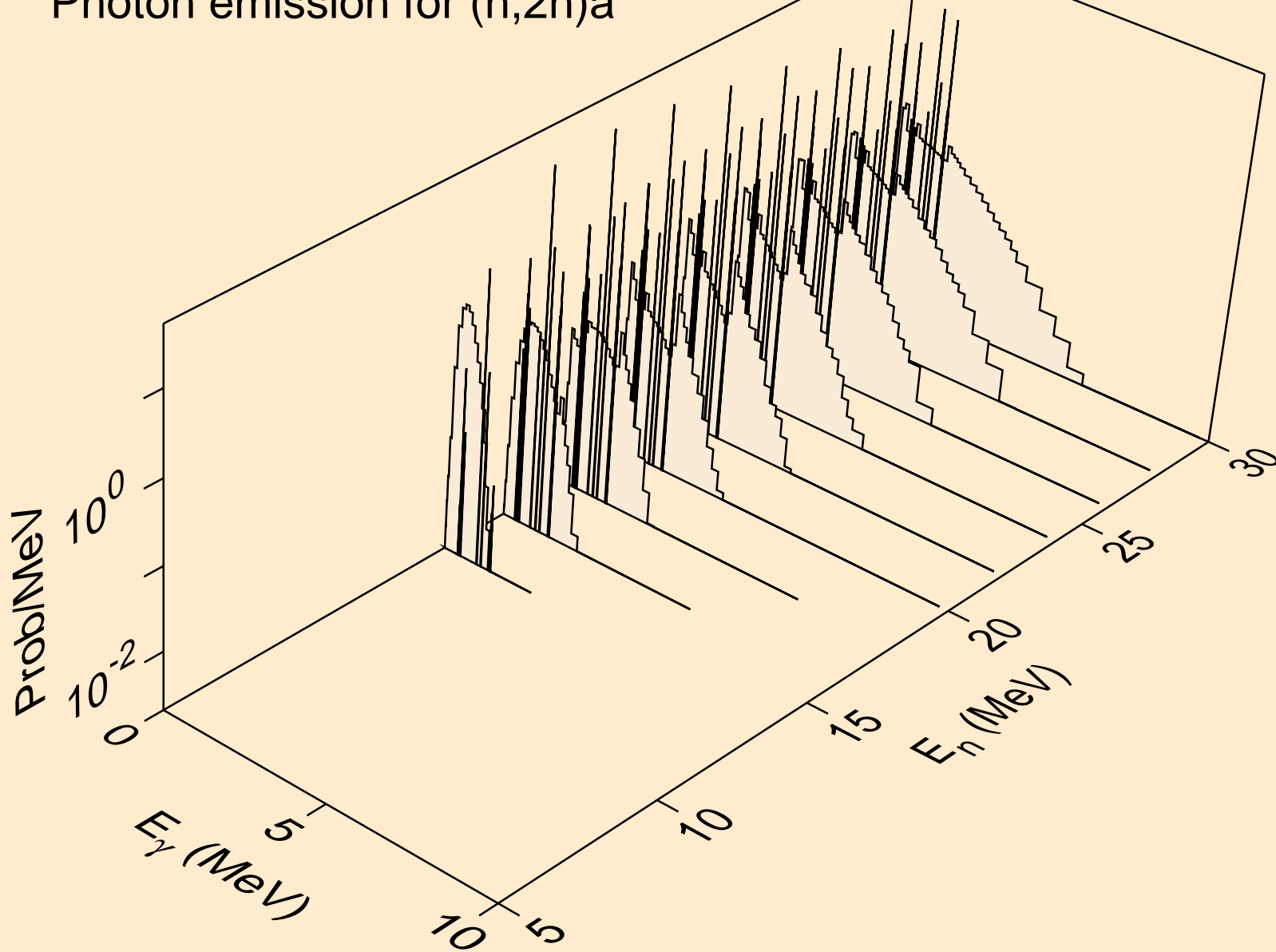


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

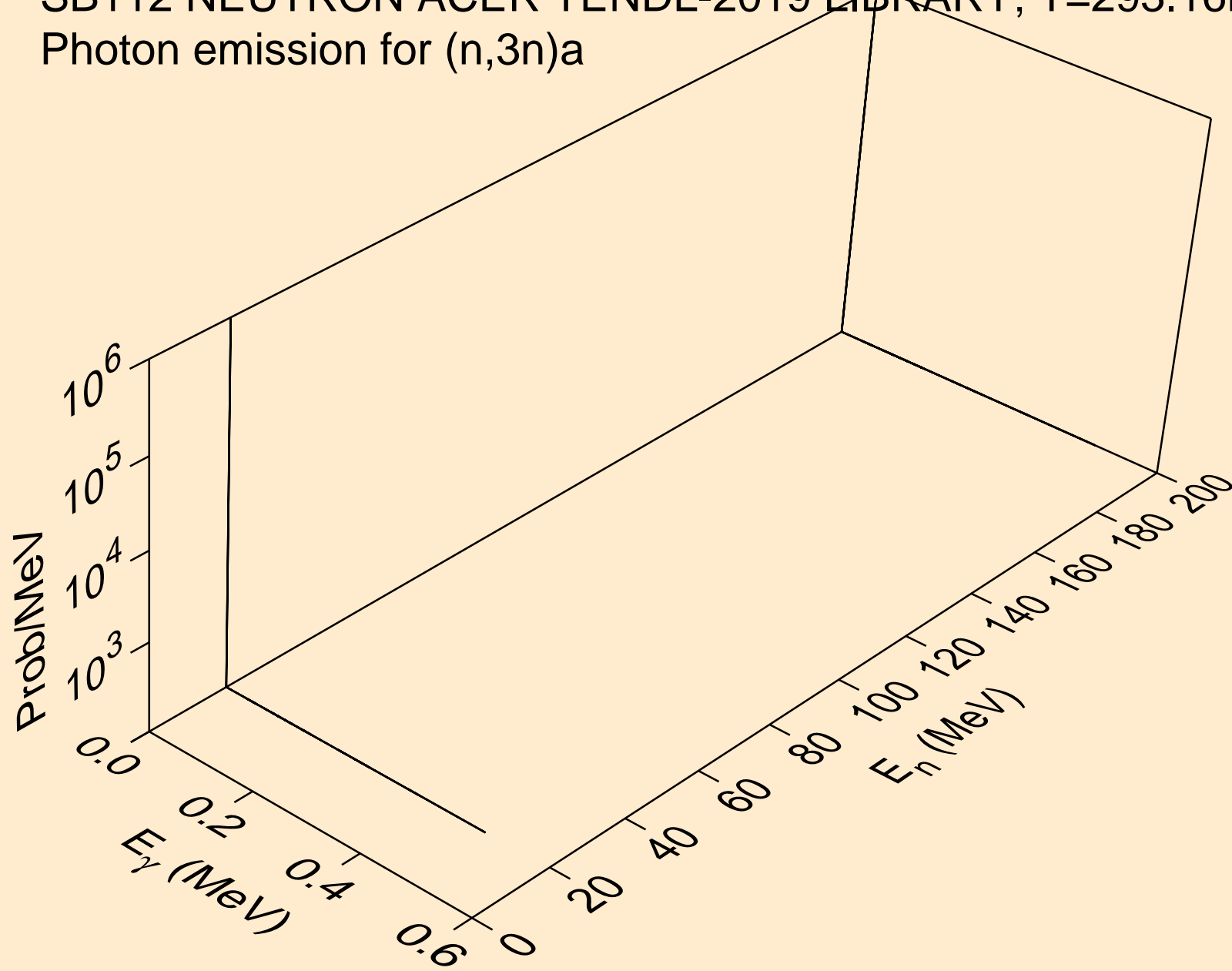




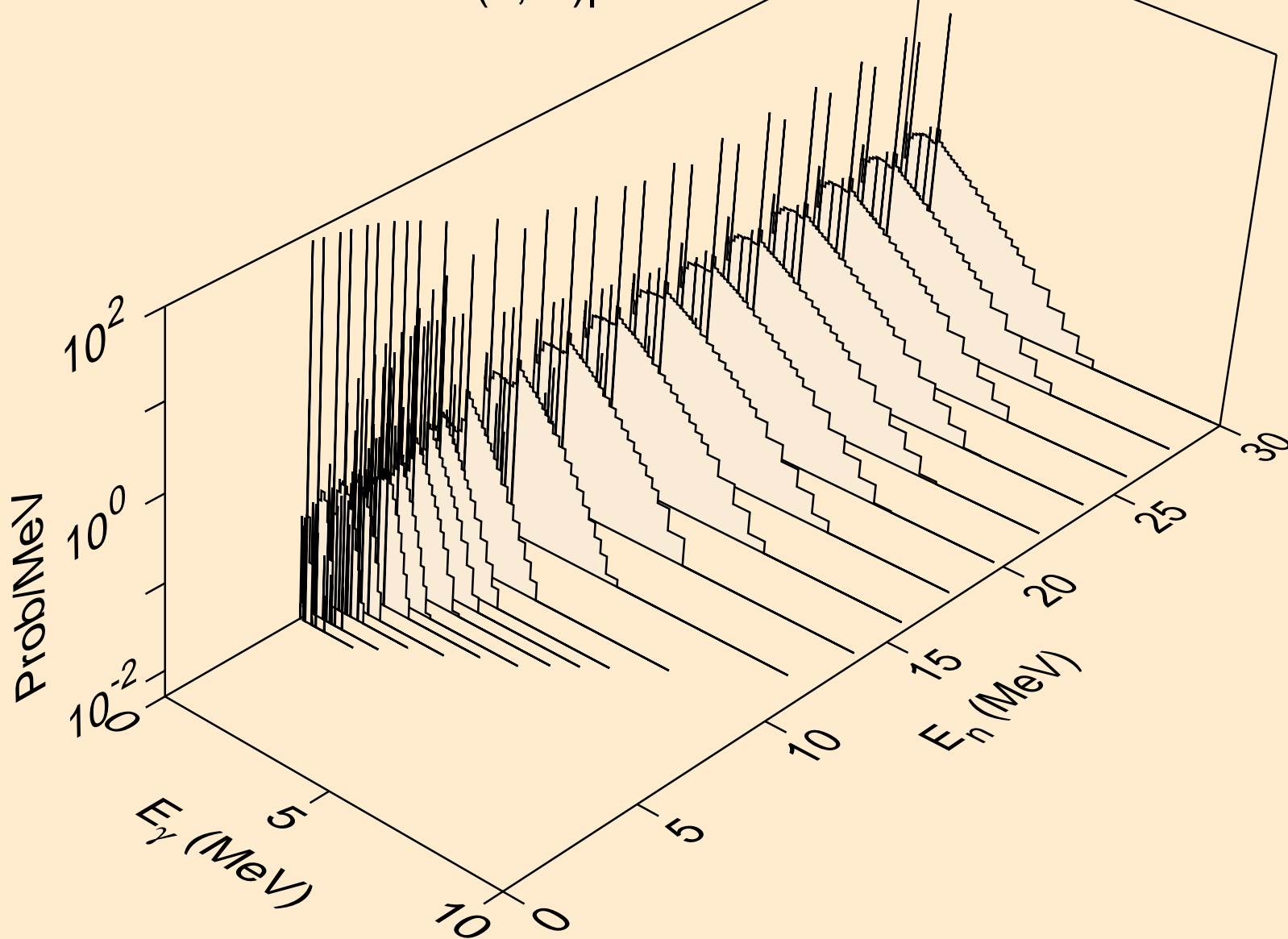
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



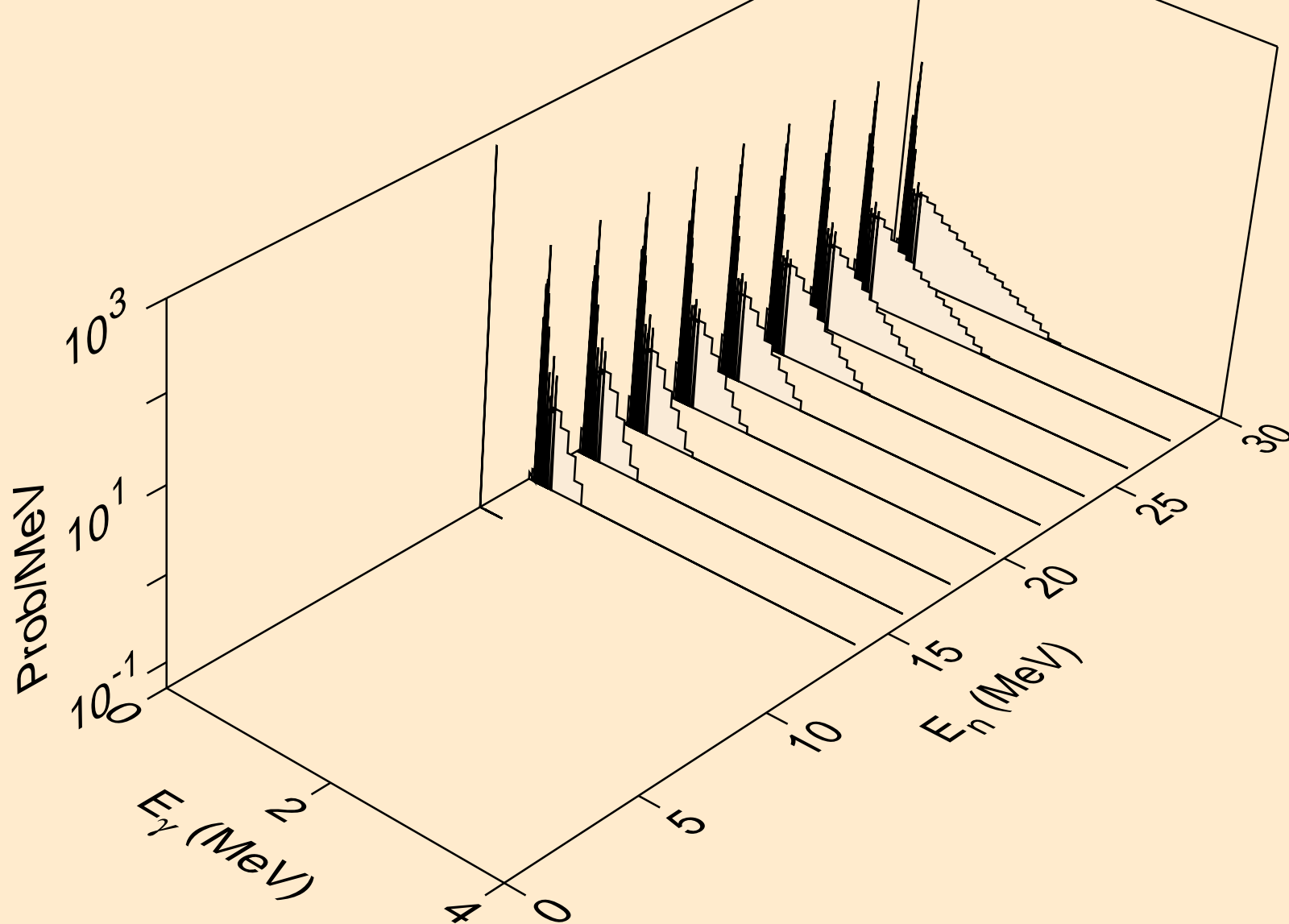
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Photon emission for (n,3n)a



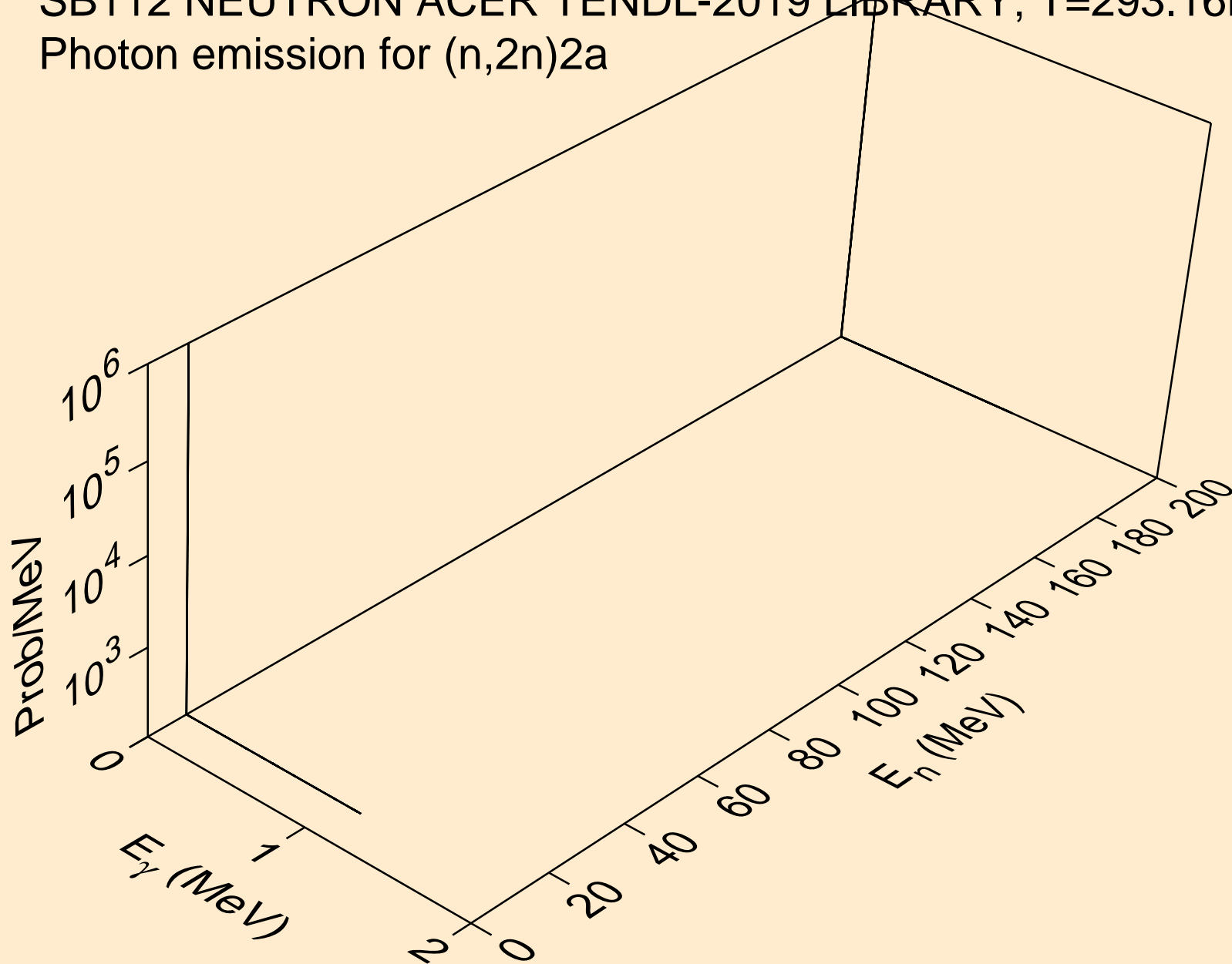
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Photon emission for (n,n\*)p



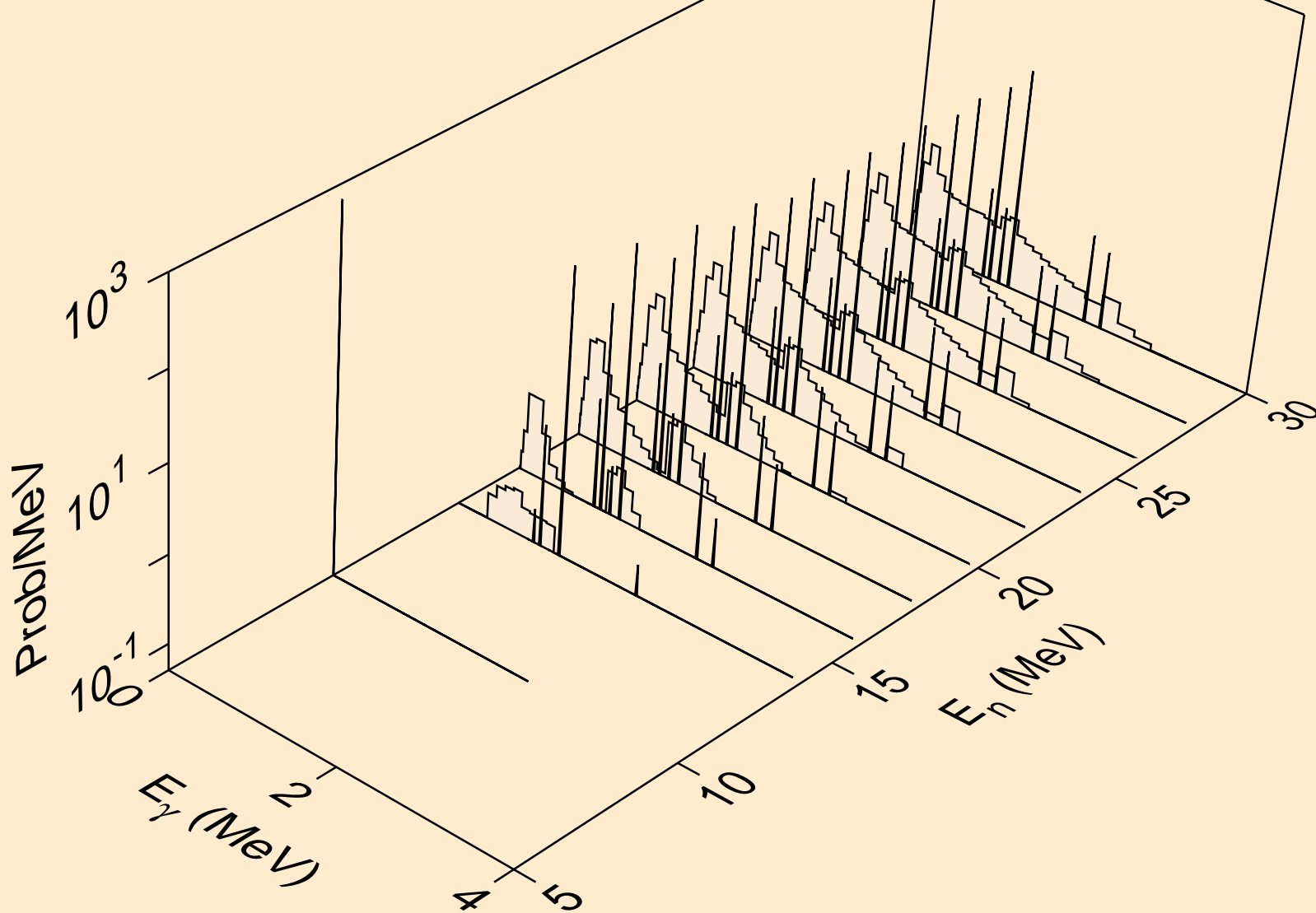
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Photon emission for (n,n\*)2a



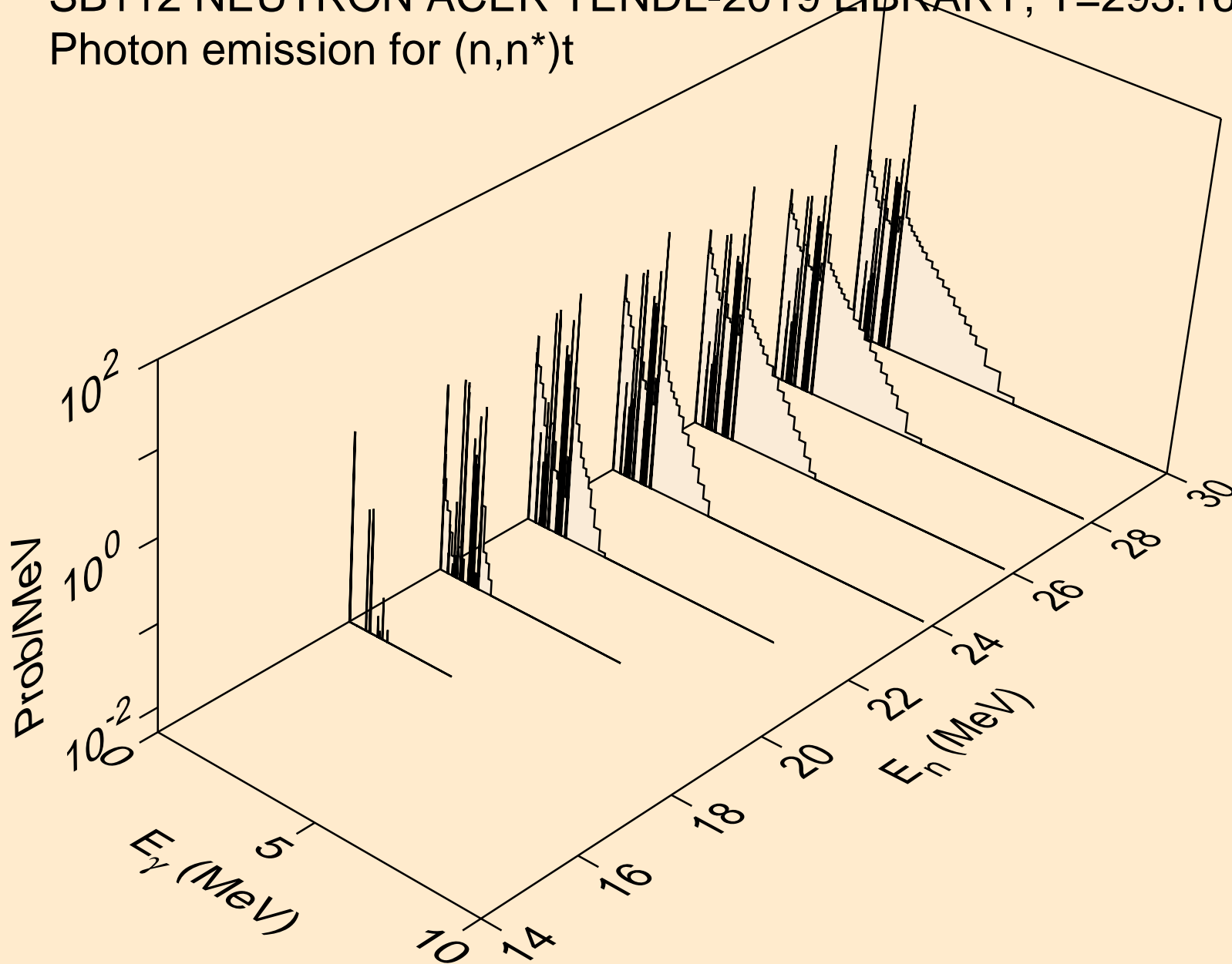
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Photon emission for (n,2n)2a



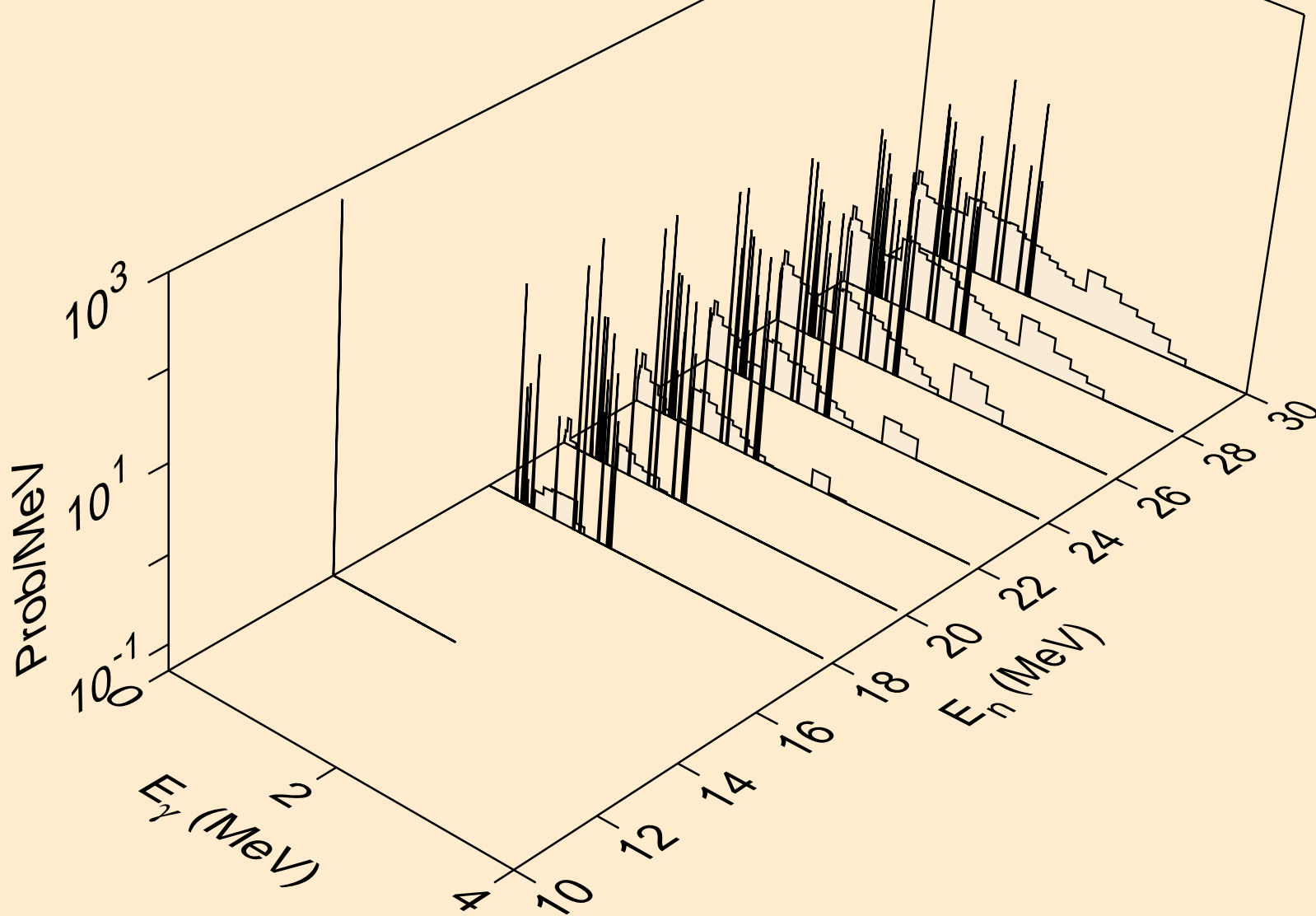
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

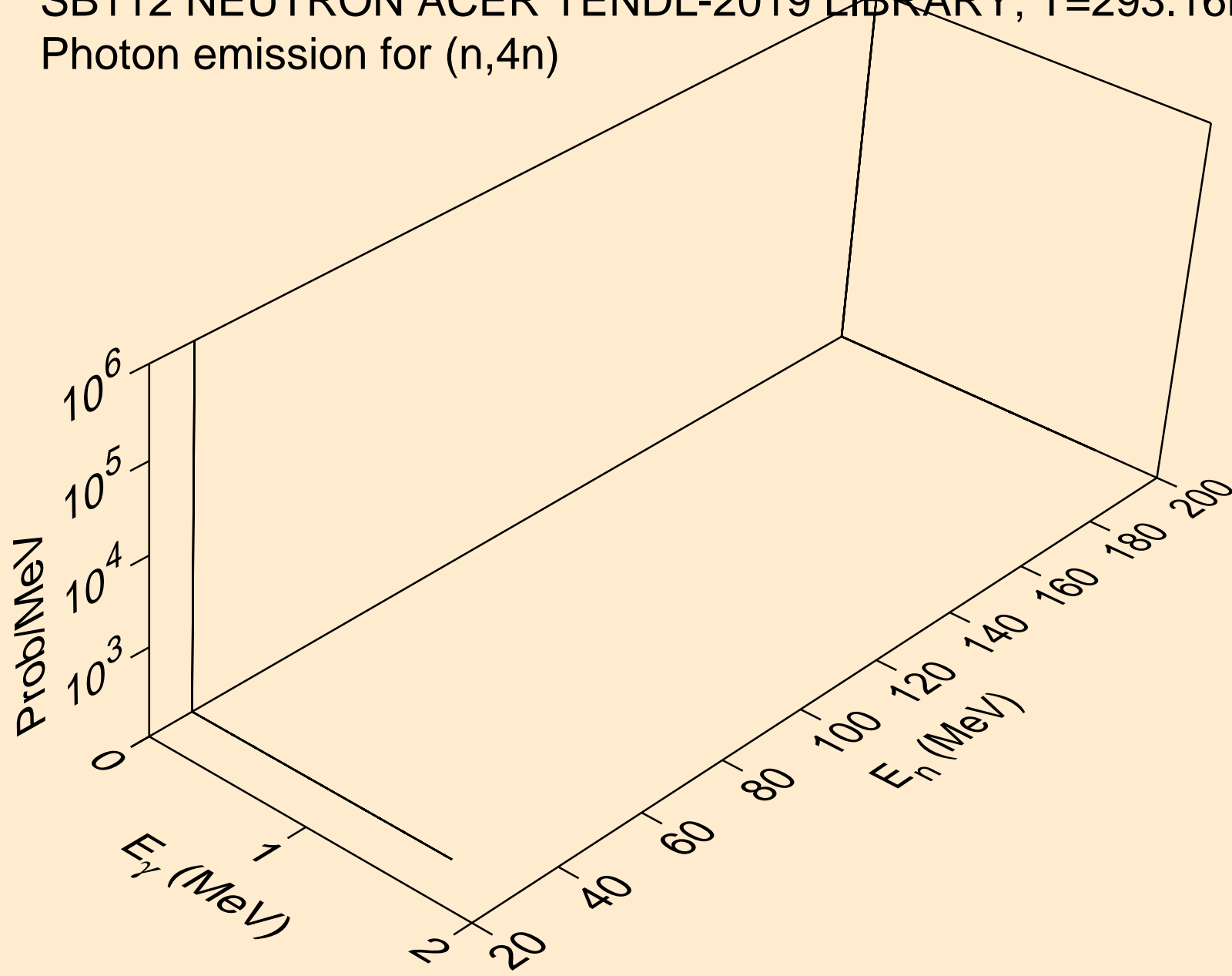


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

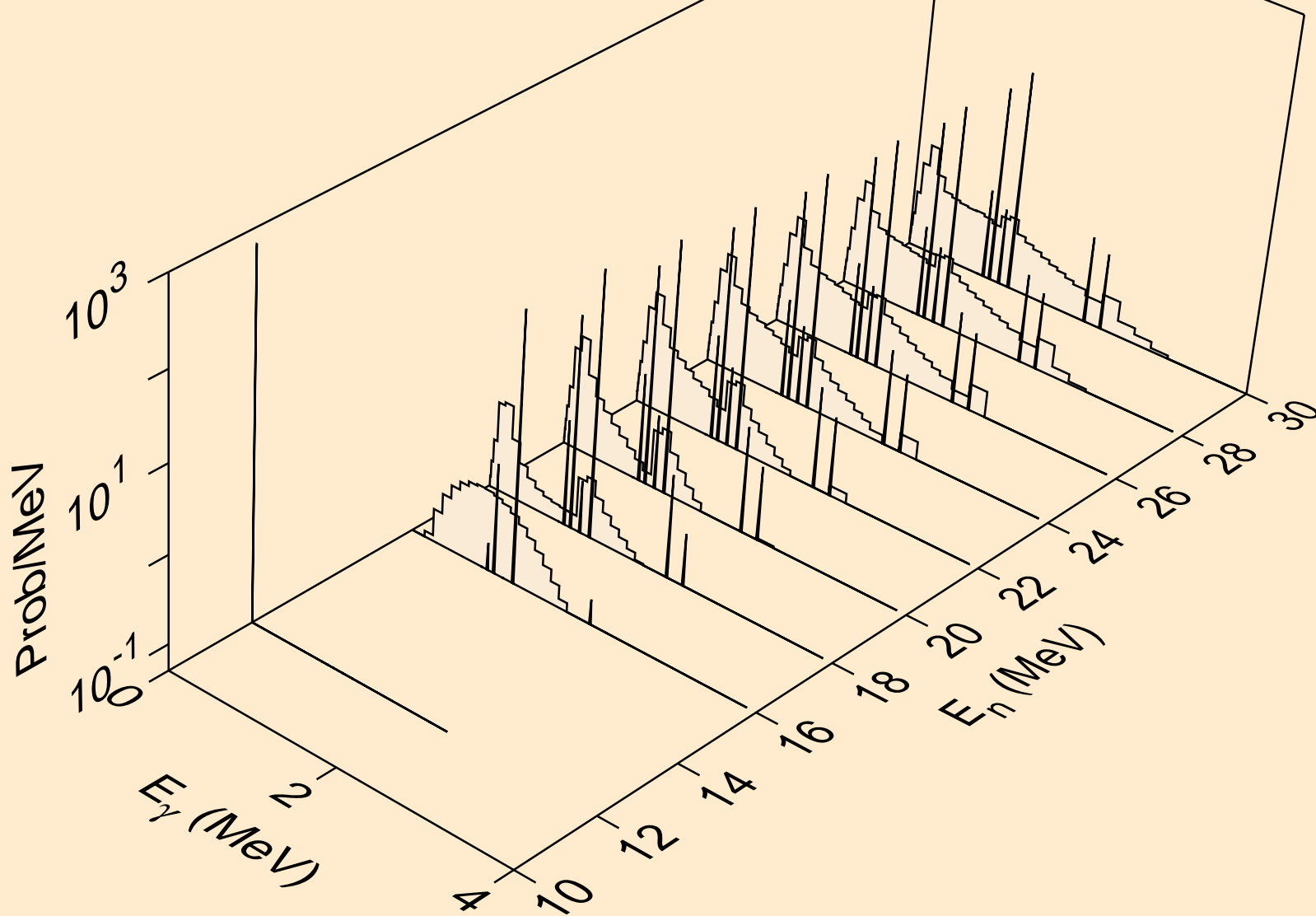




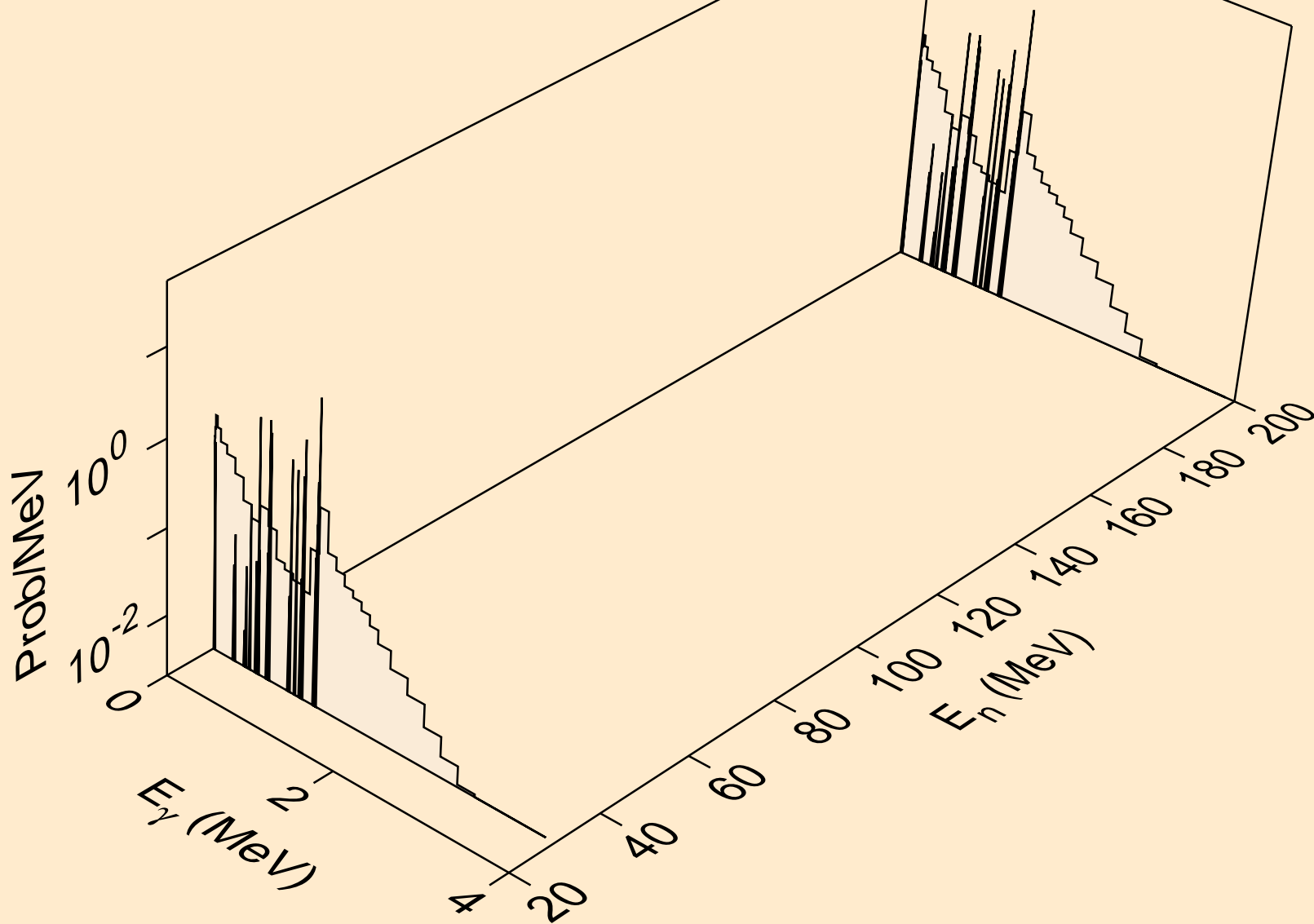
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Photon emission for (n,4n)



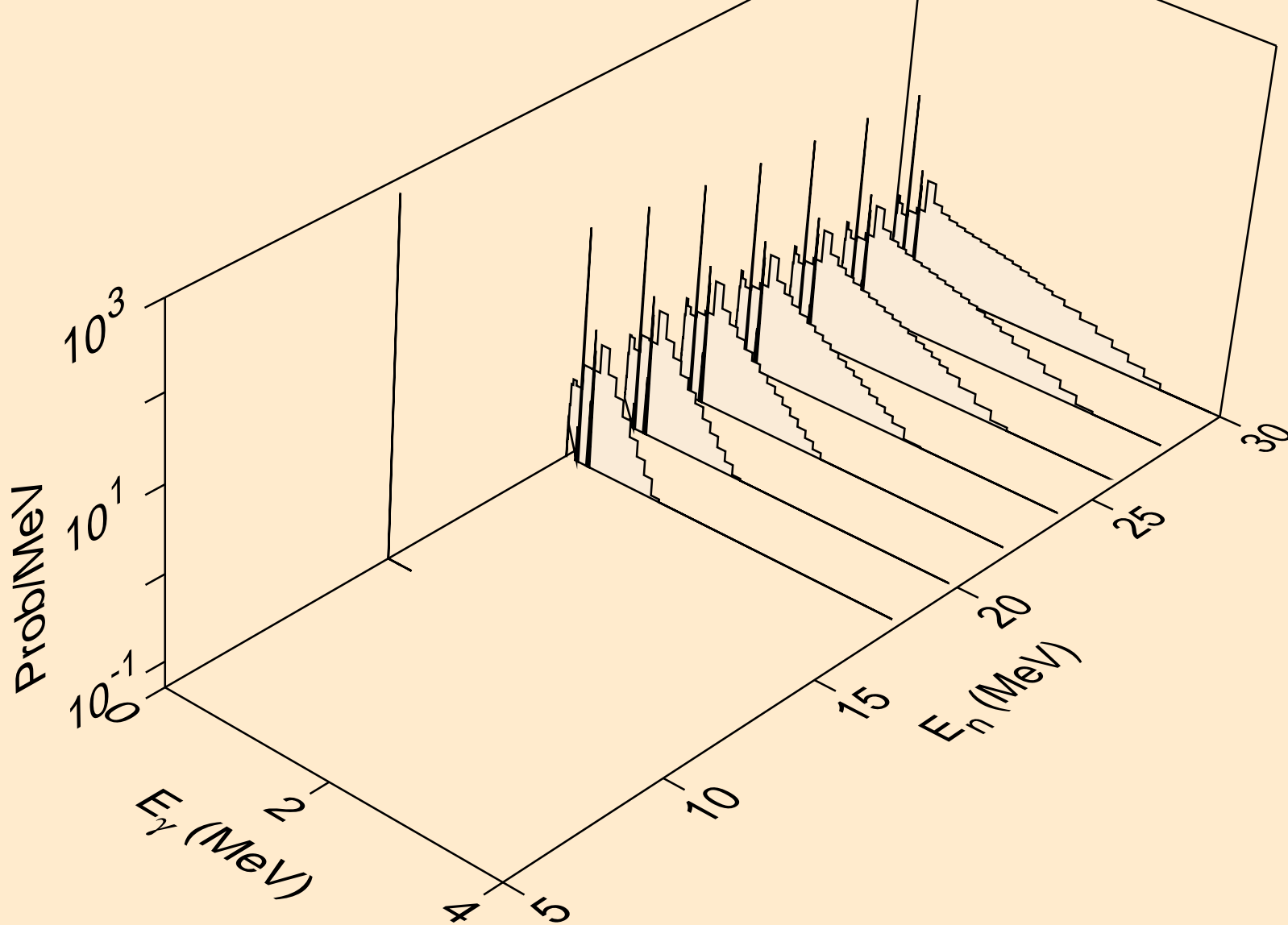
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



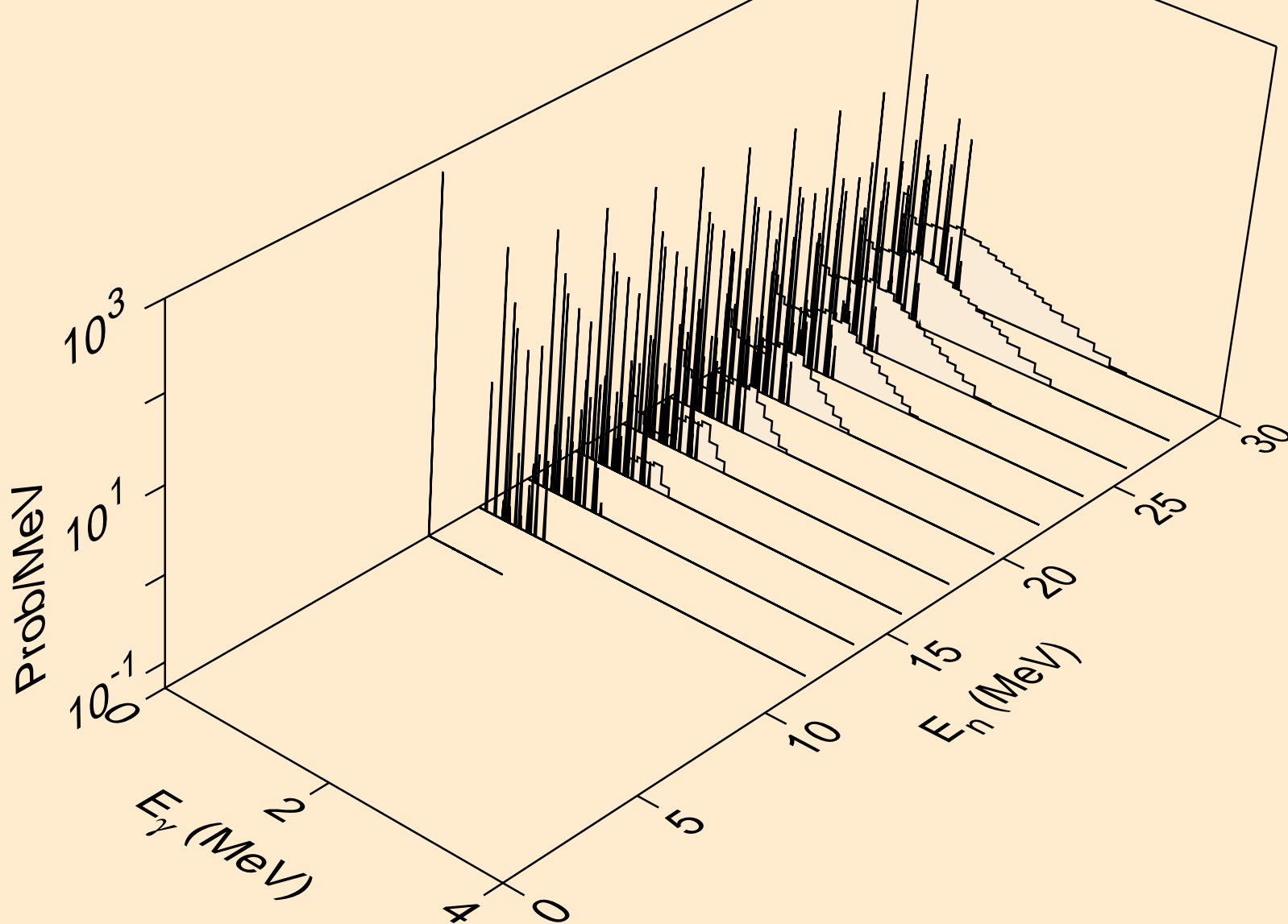
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Photon emission for (n,3np)



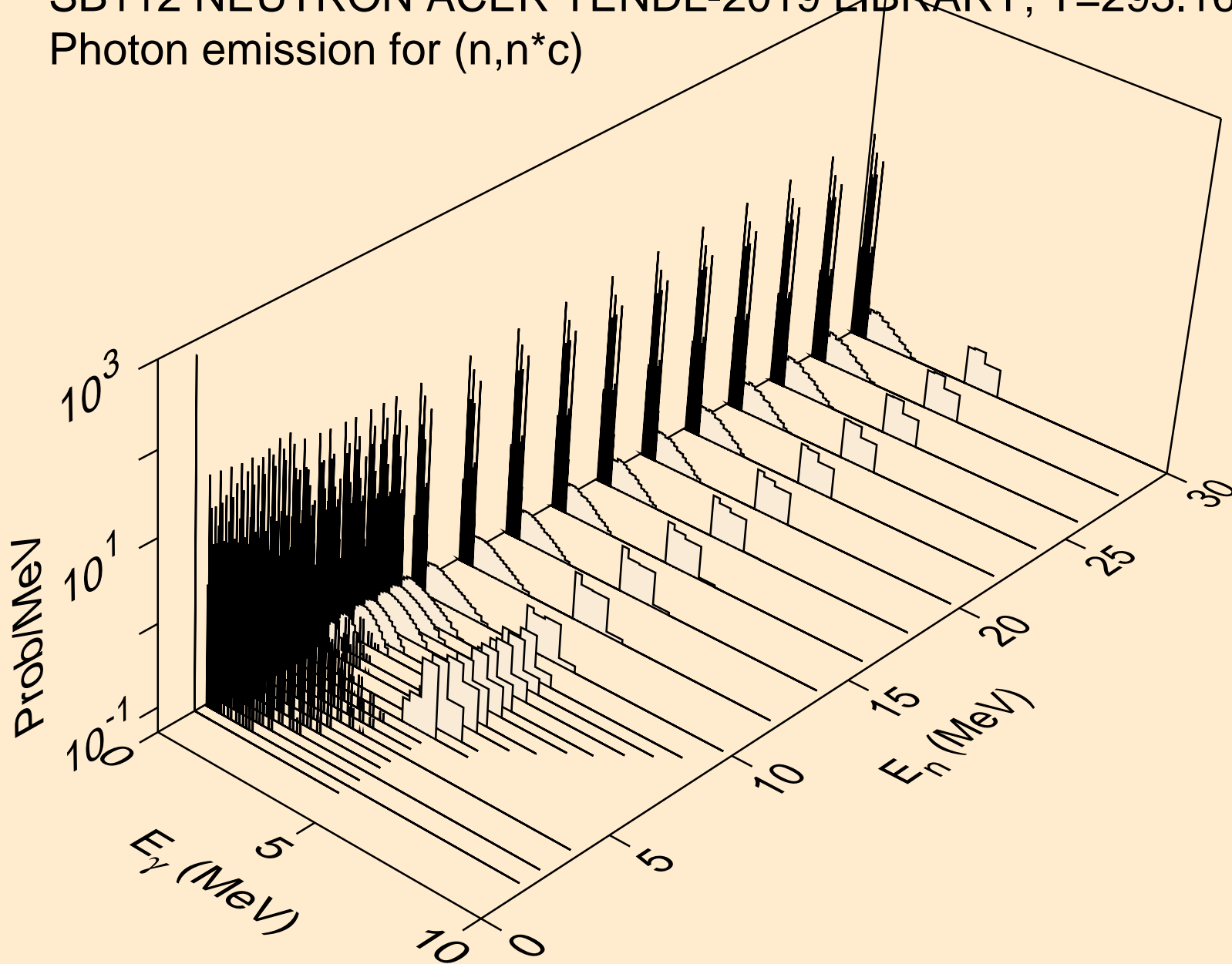
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



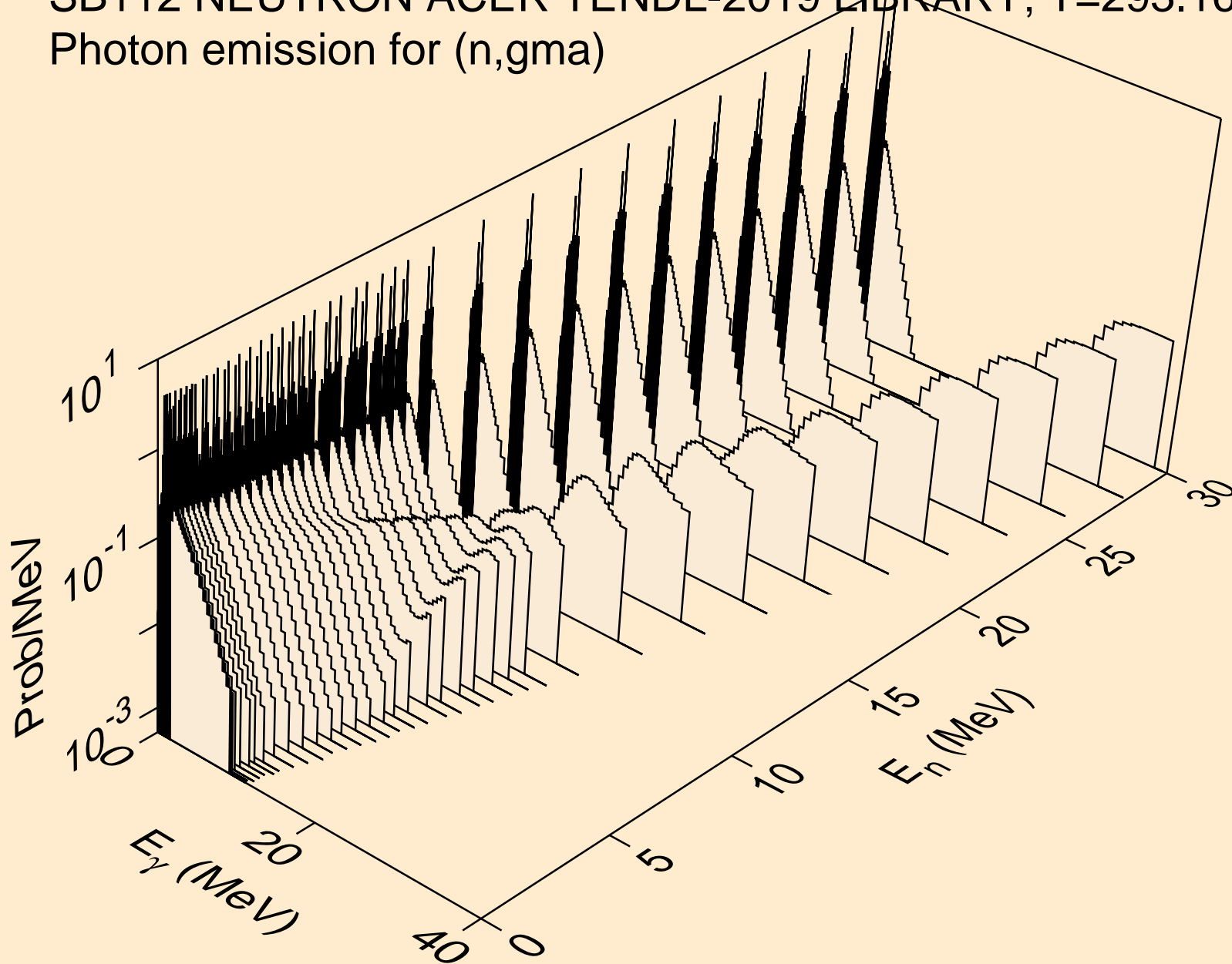
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Photon emission for (n,npa)



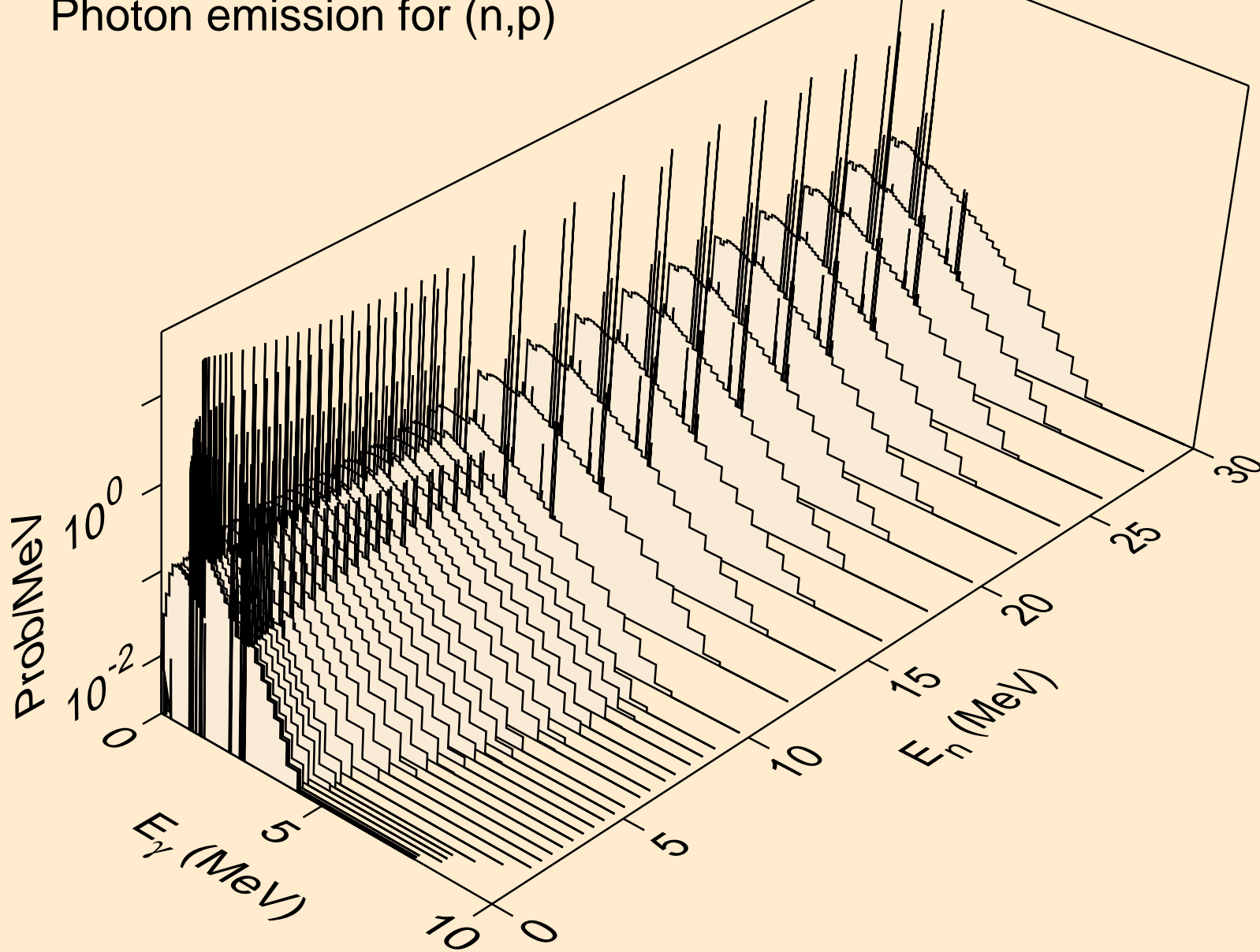
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

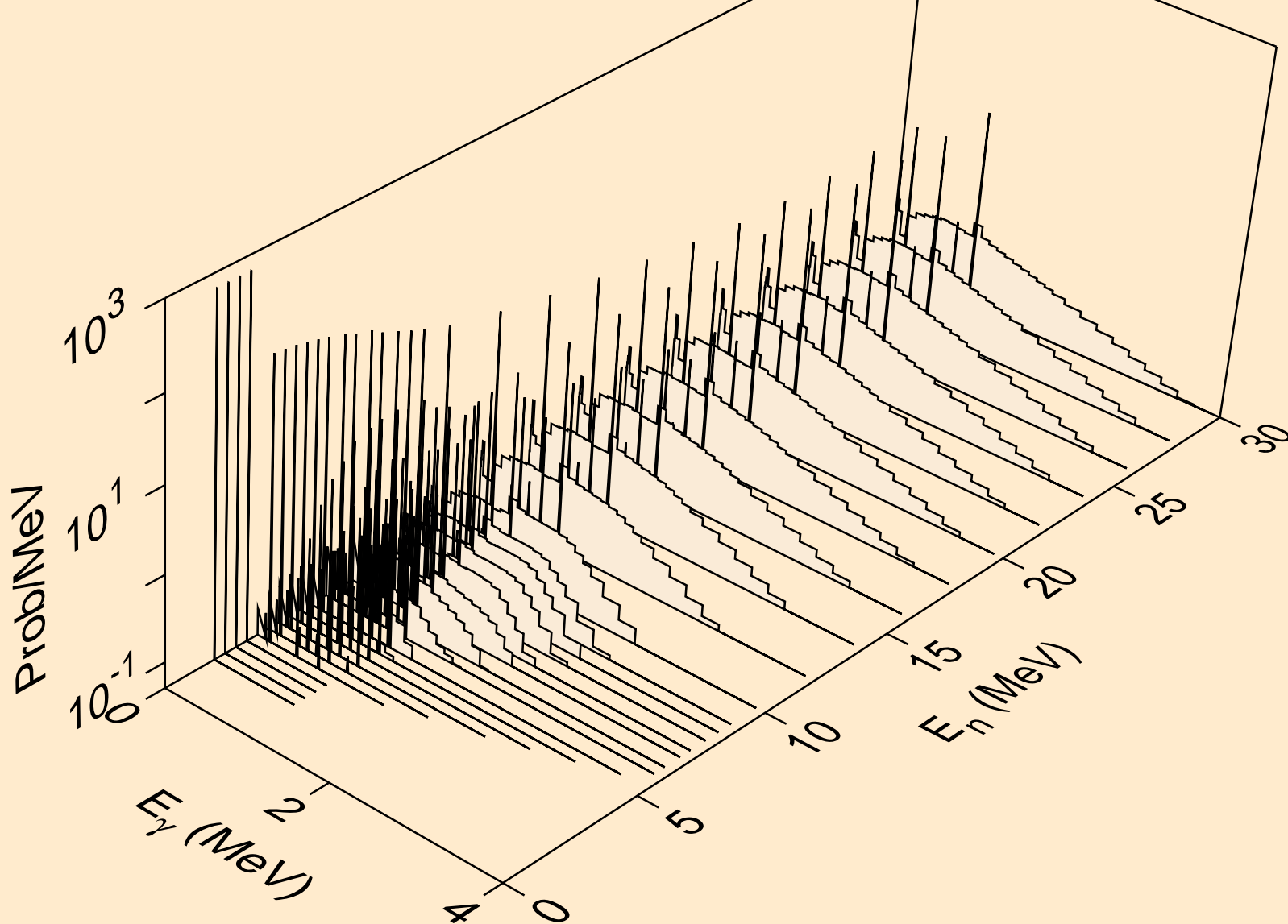


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

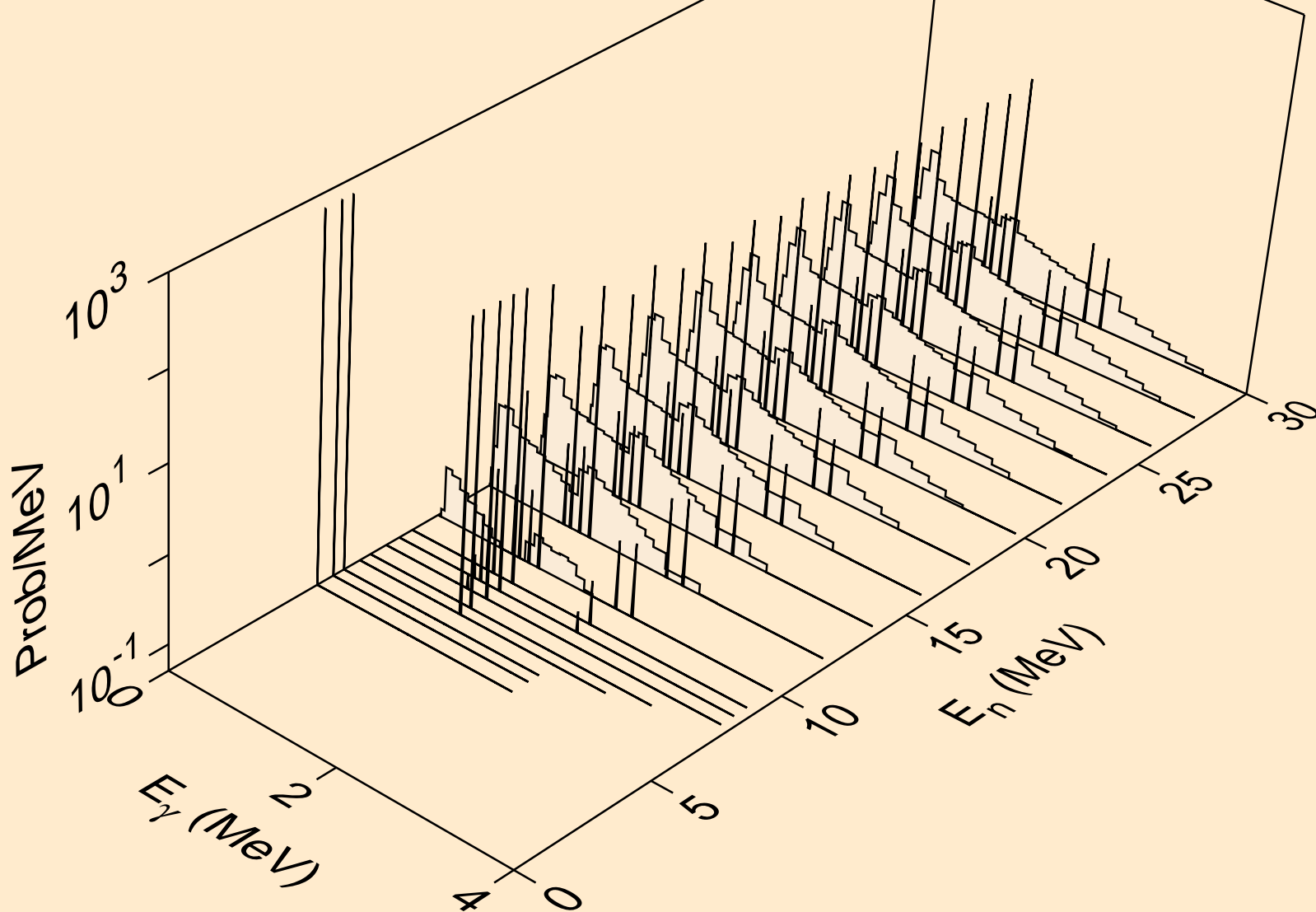




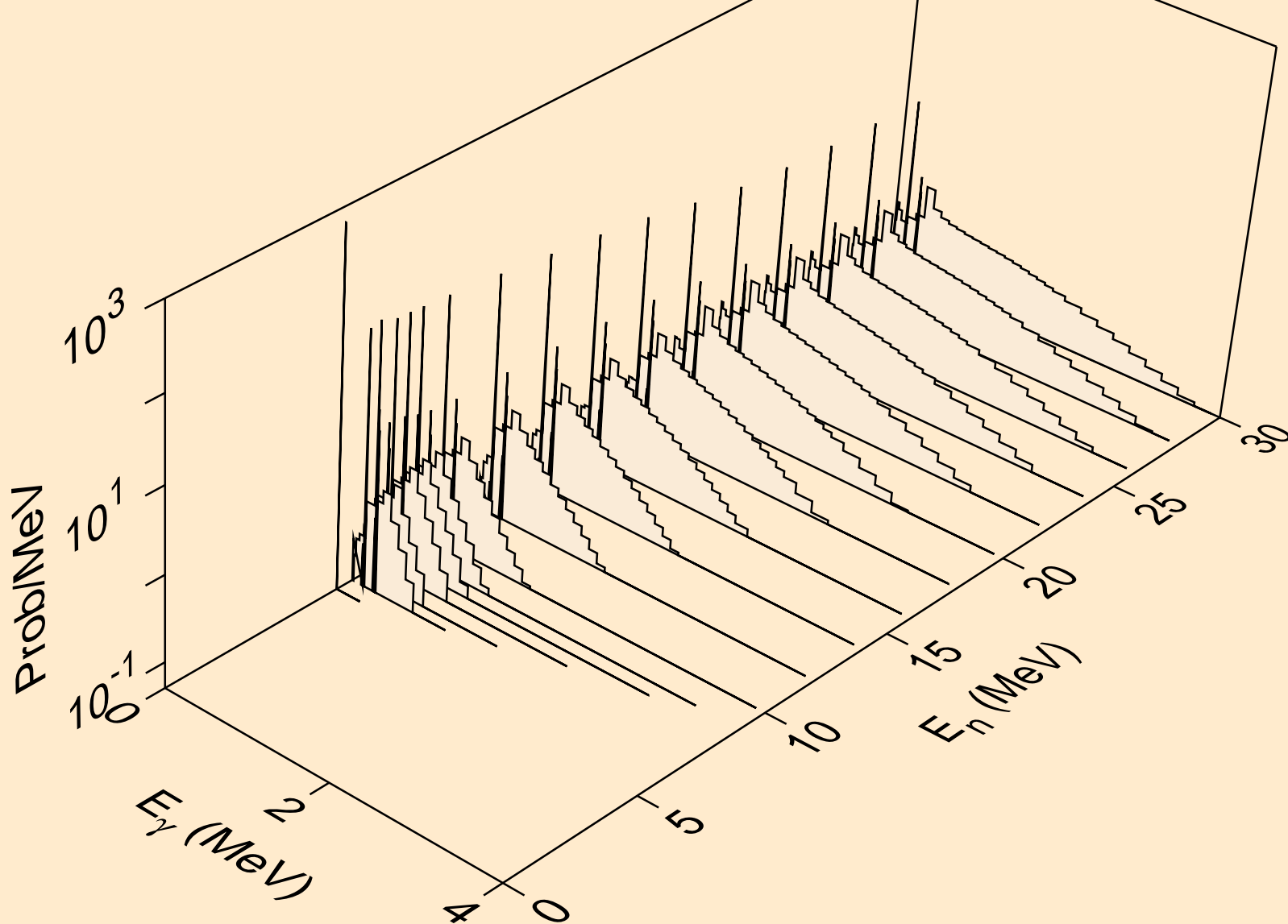
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Photon emission for (n,d)



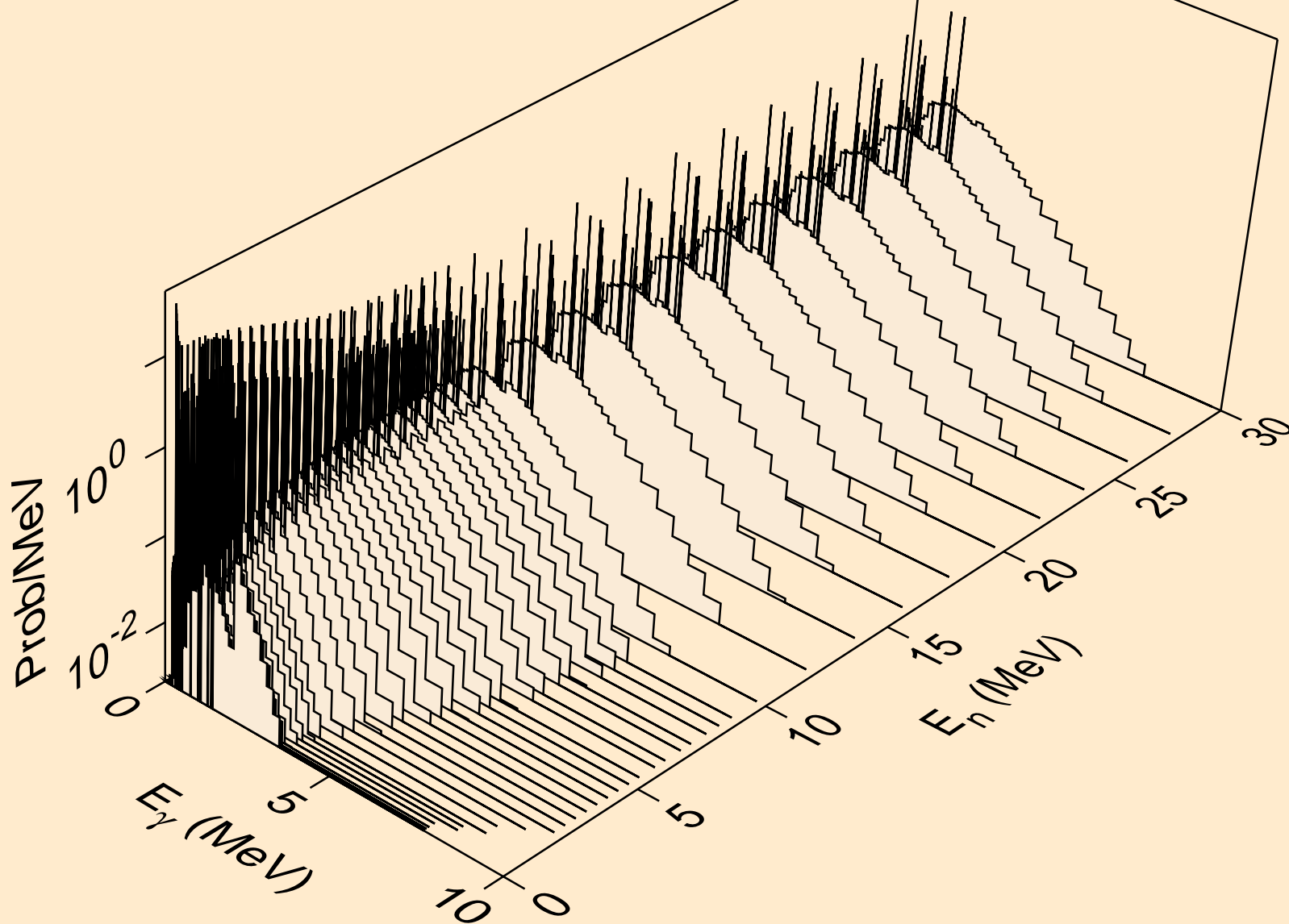
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Photon emission for (n,t)



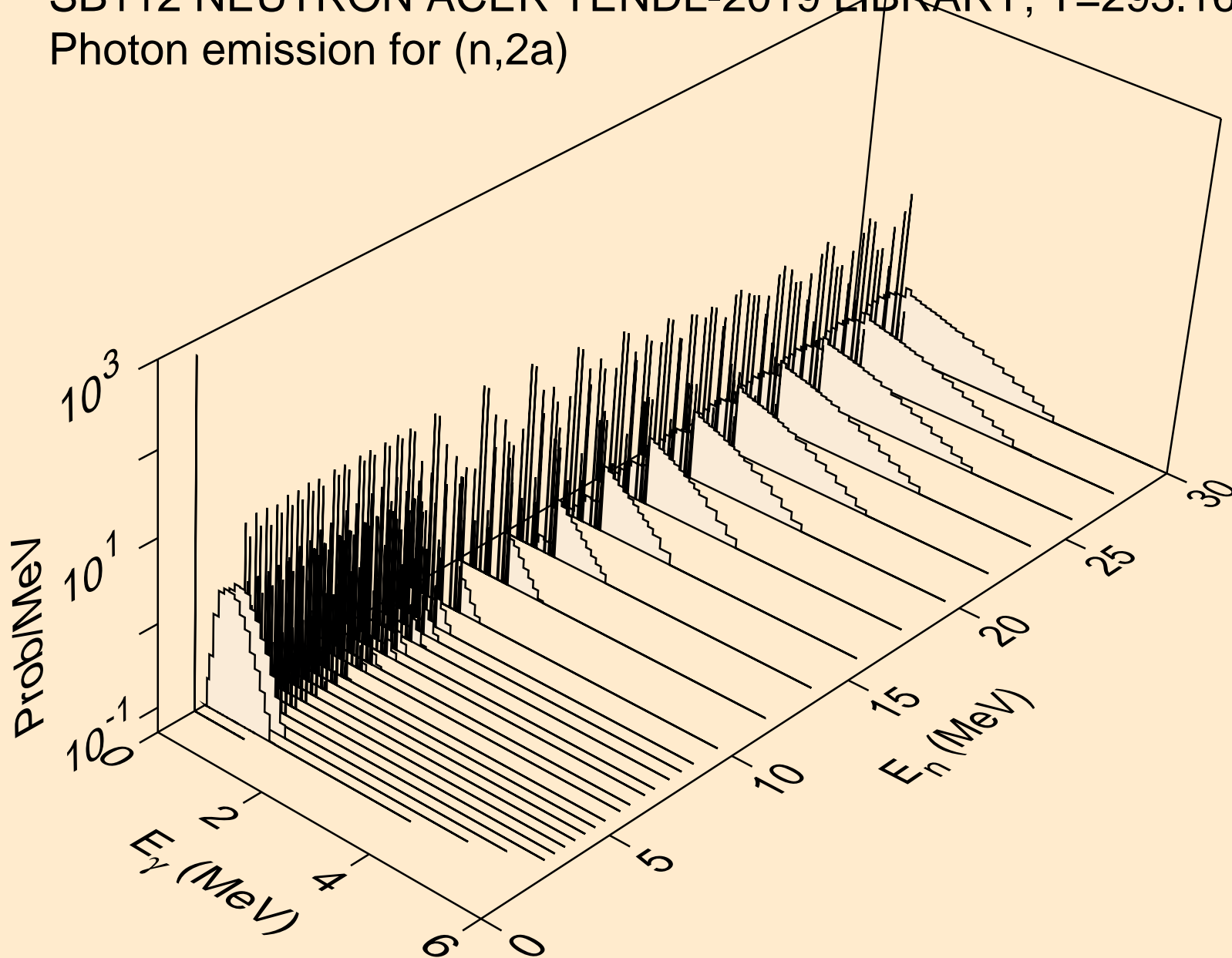
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Photon emission for (n,he3)



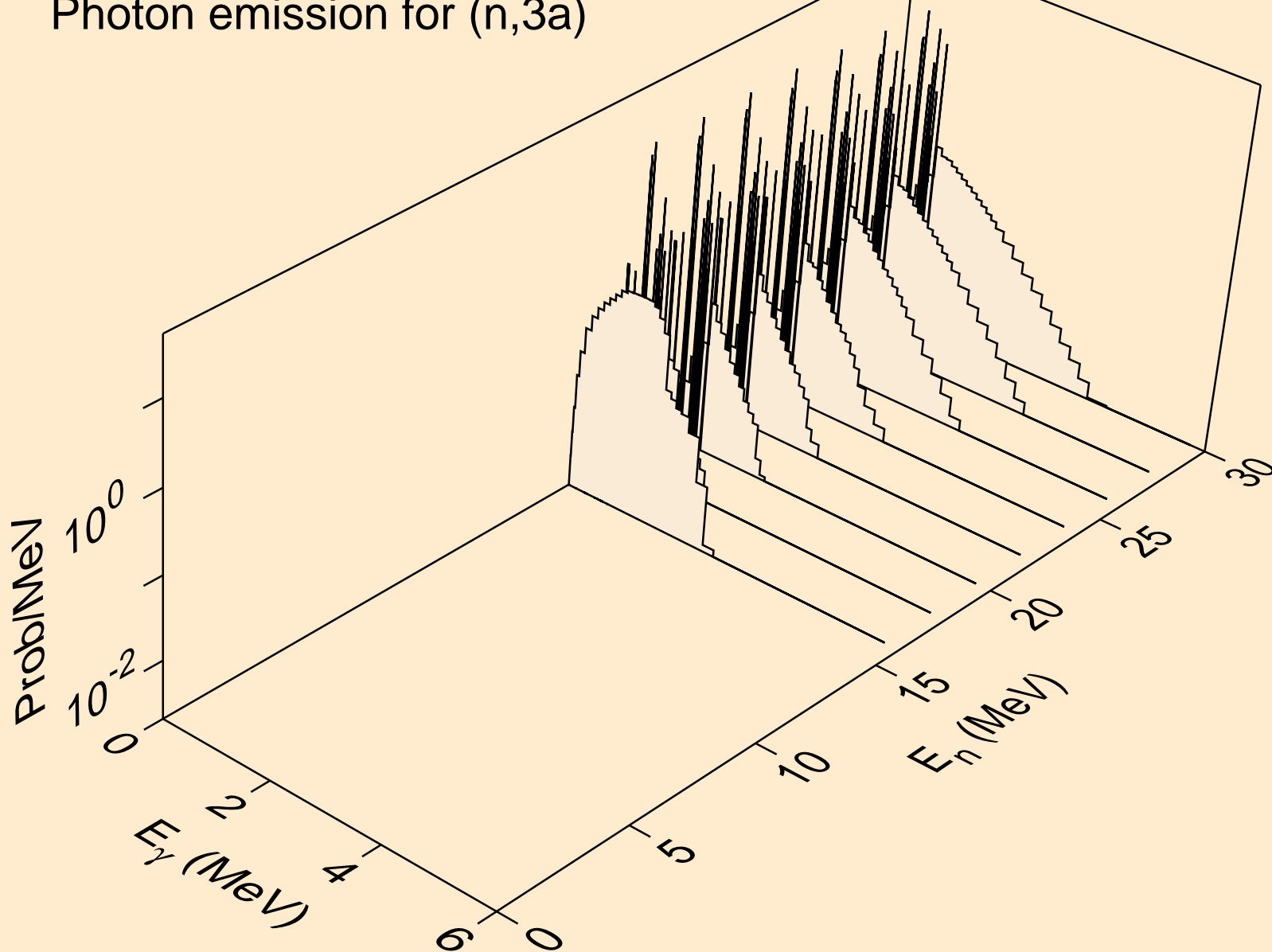
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Photon emission for (n,a)



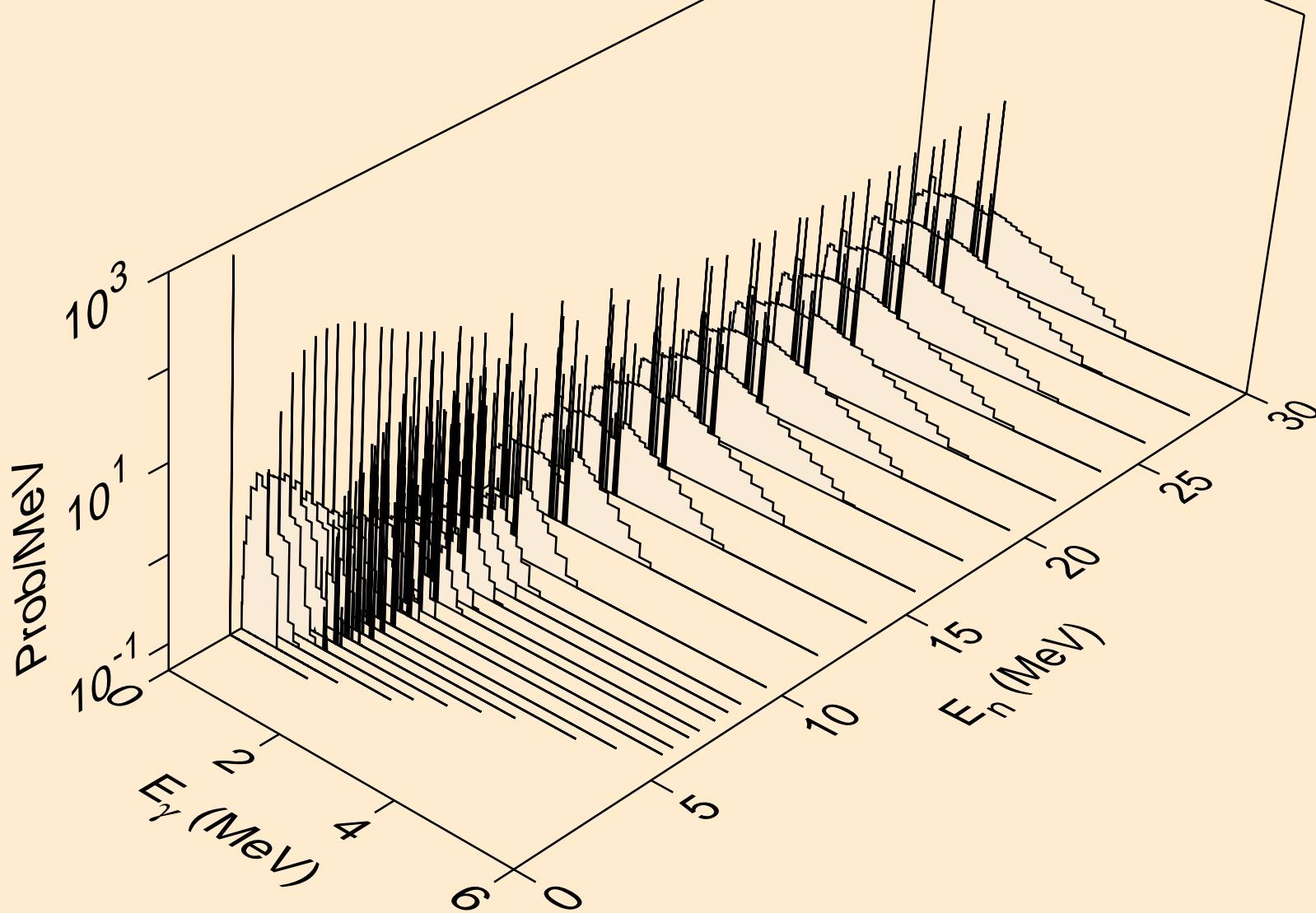
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Photon emission for (n,2a)



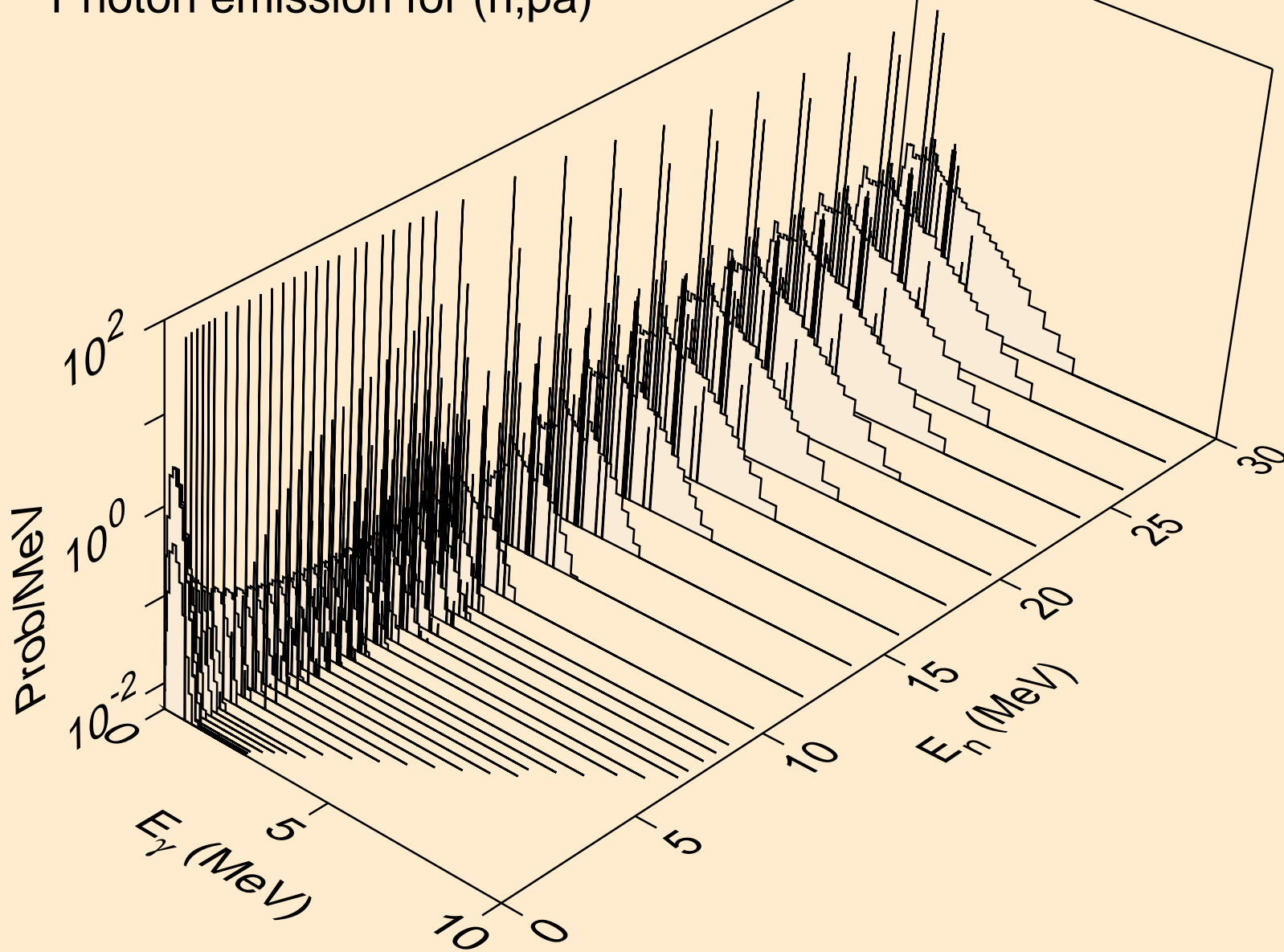
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

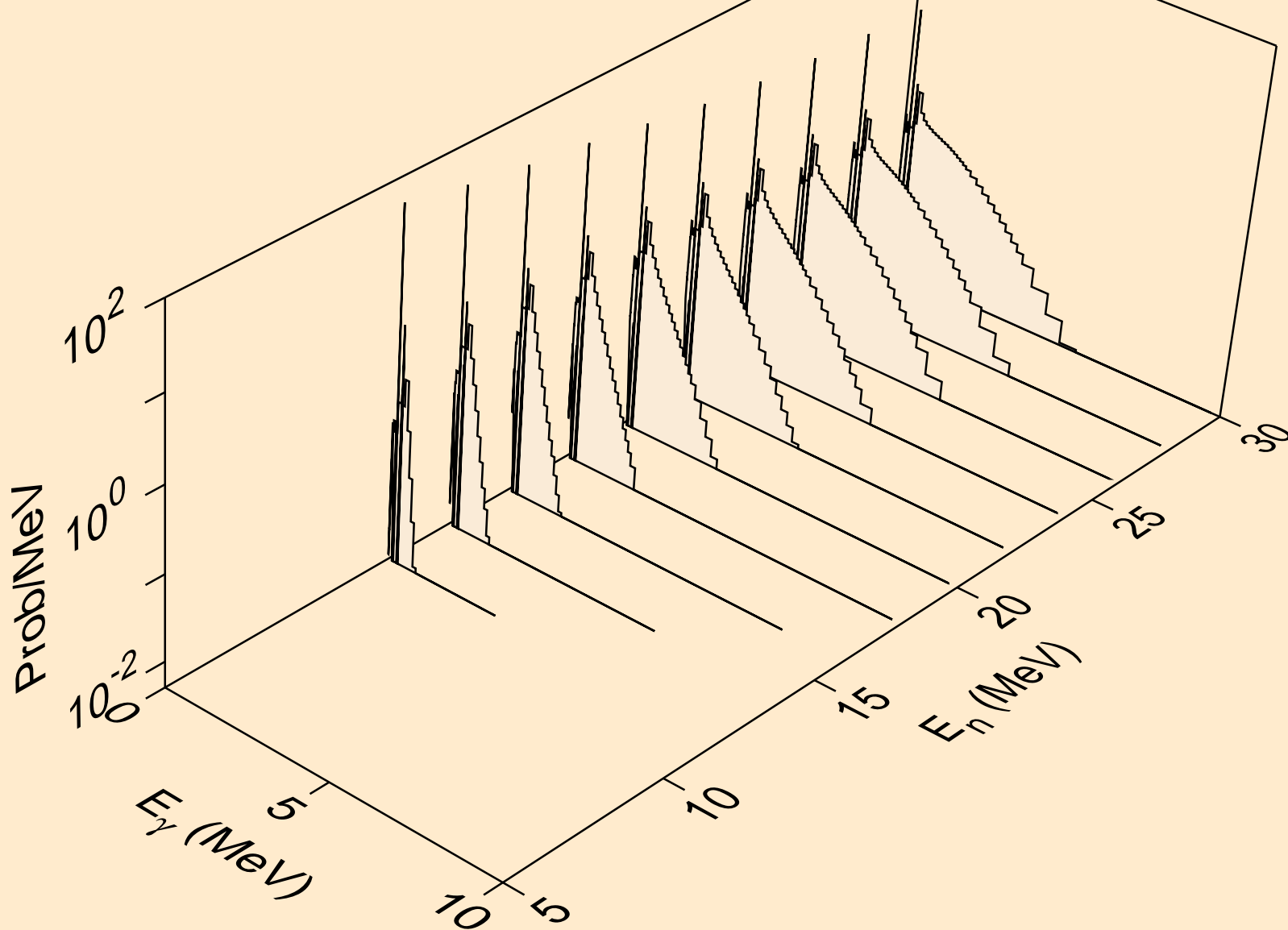


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Photon emission for (n,p $\alpha$ )

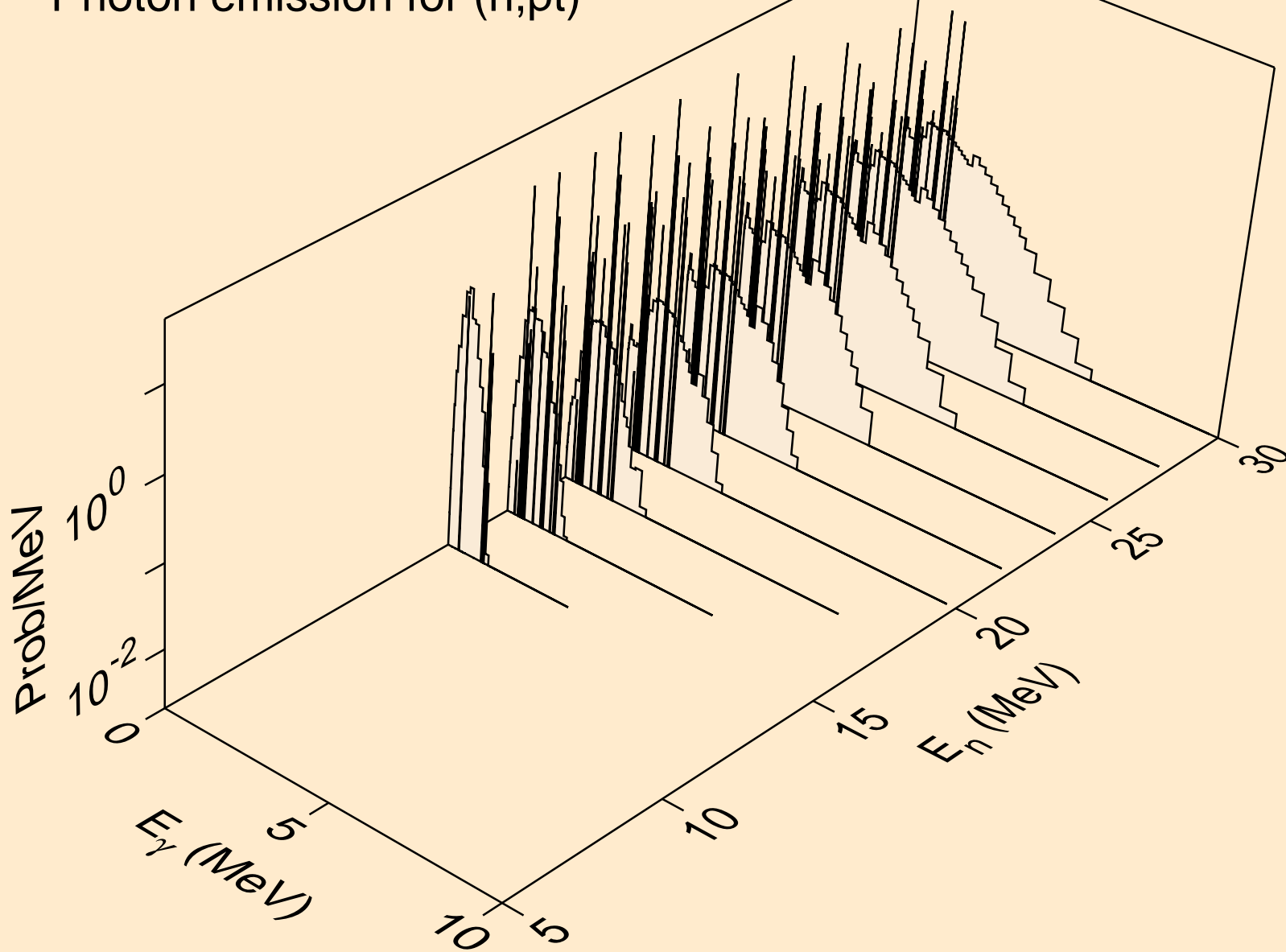




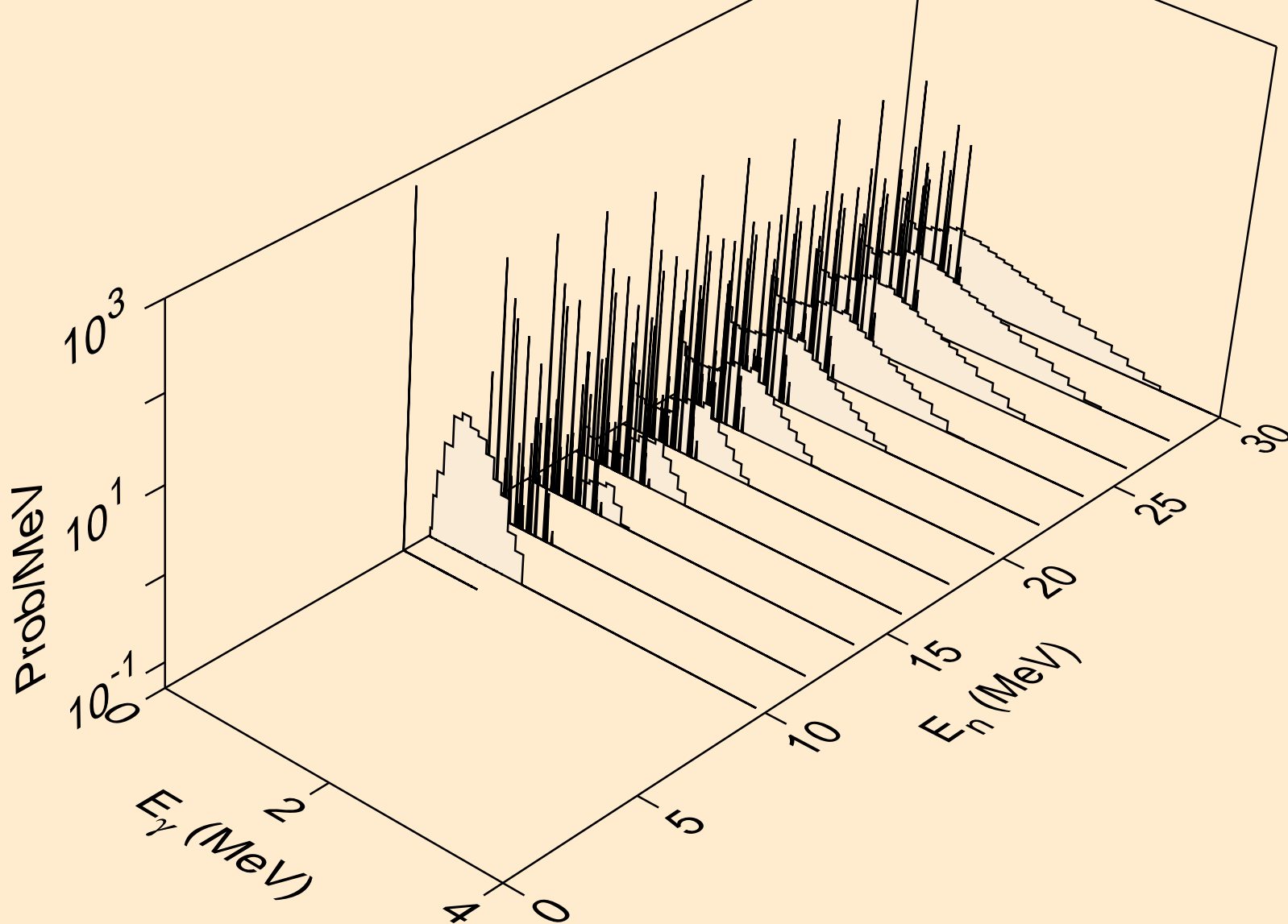
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Photon emission for (n,pd)



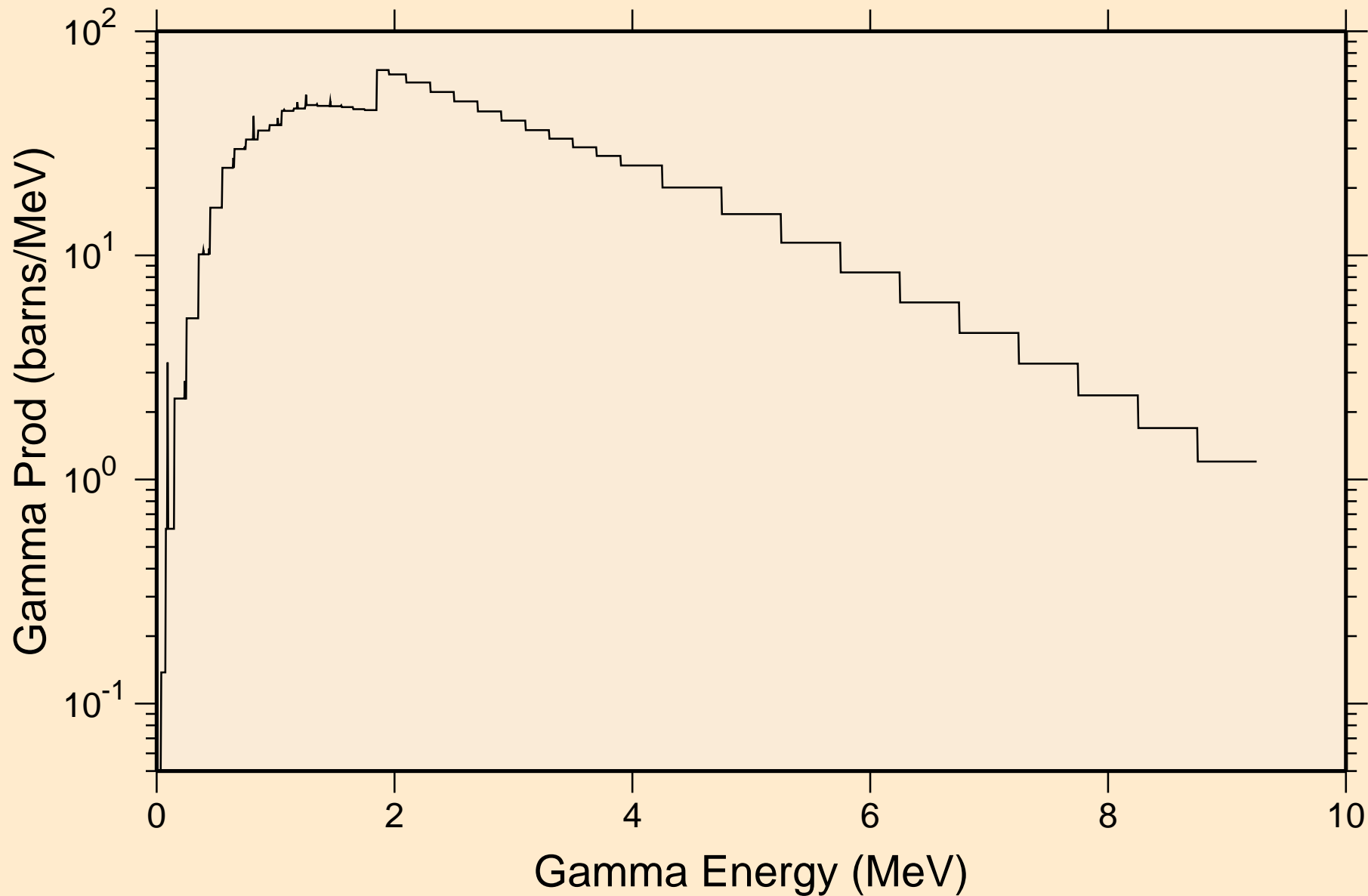
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Photon emission for (n,pt)



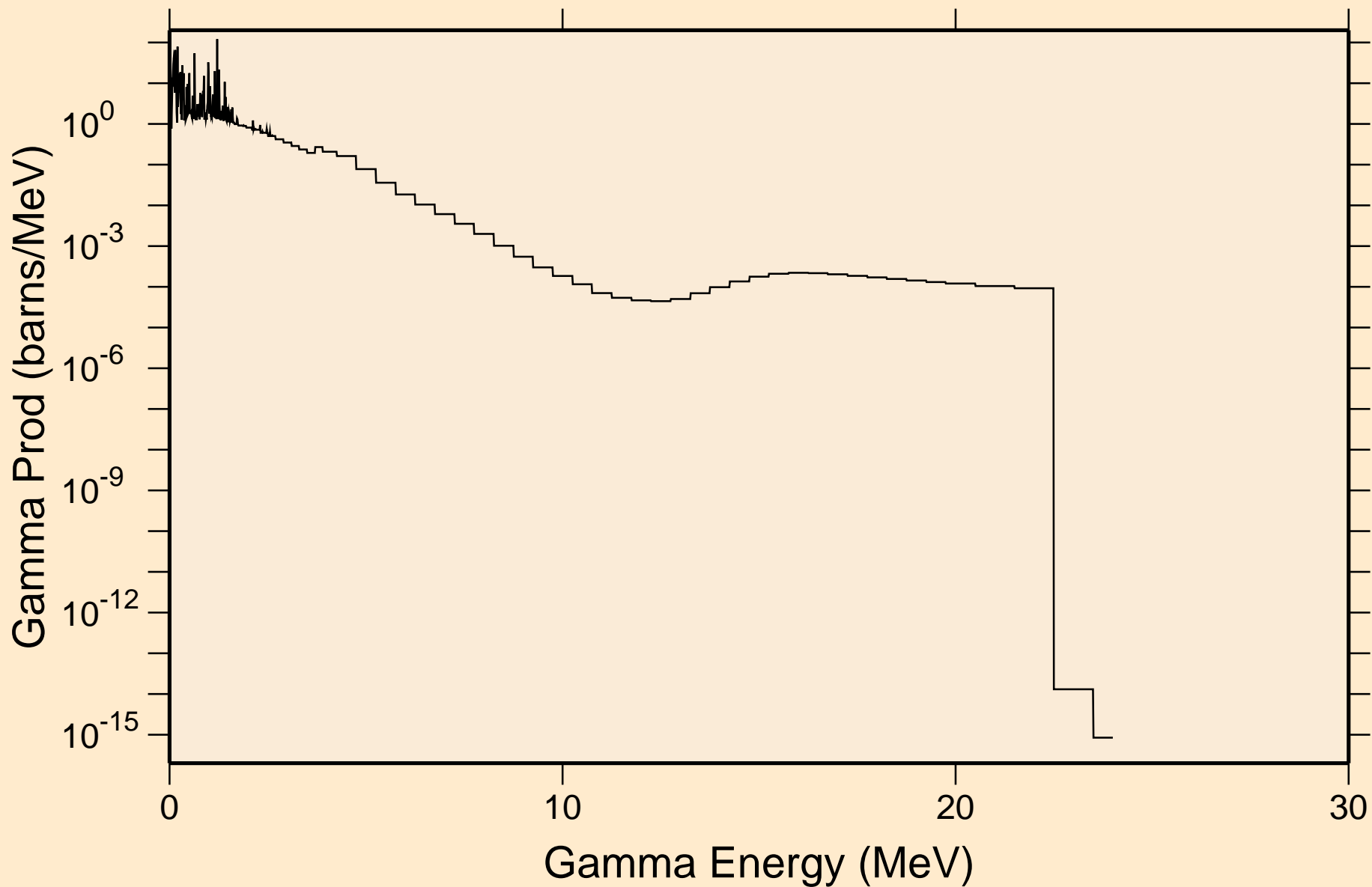
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



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thermal capture photon spectrum

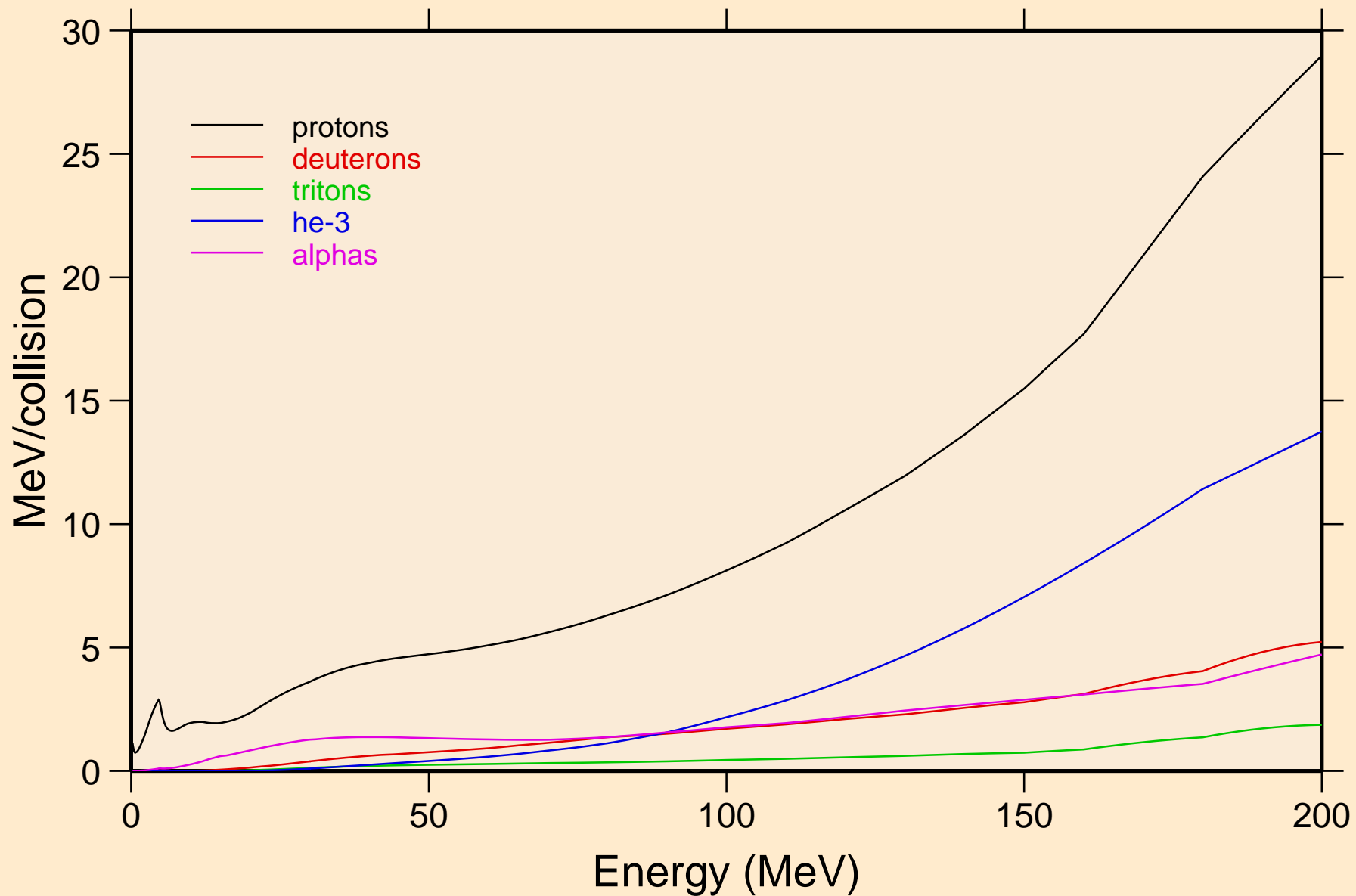


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

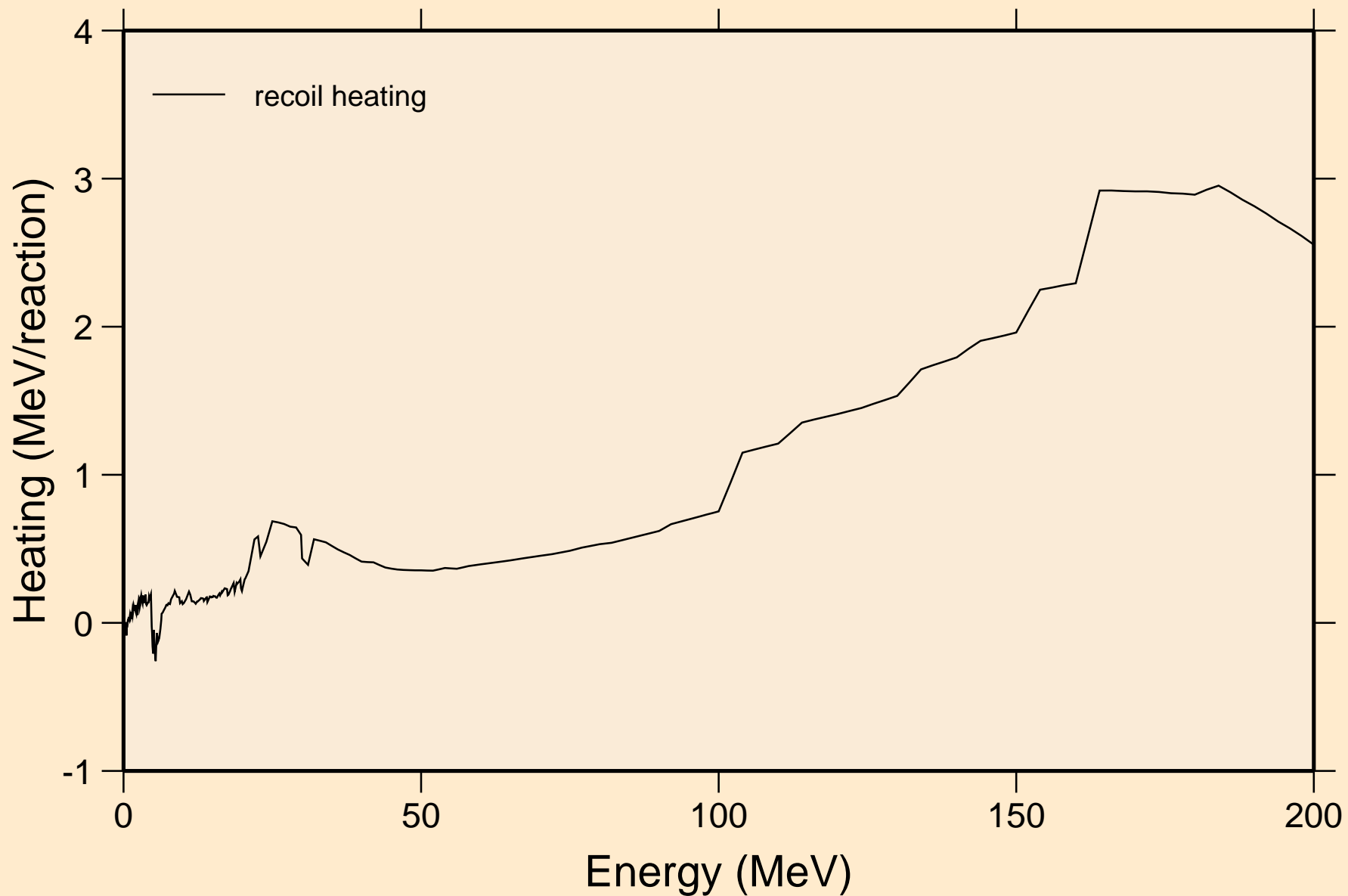


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## Particle heating contributions

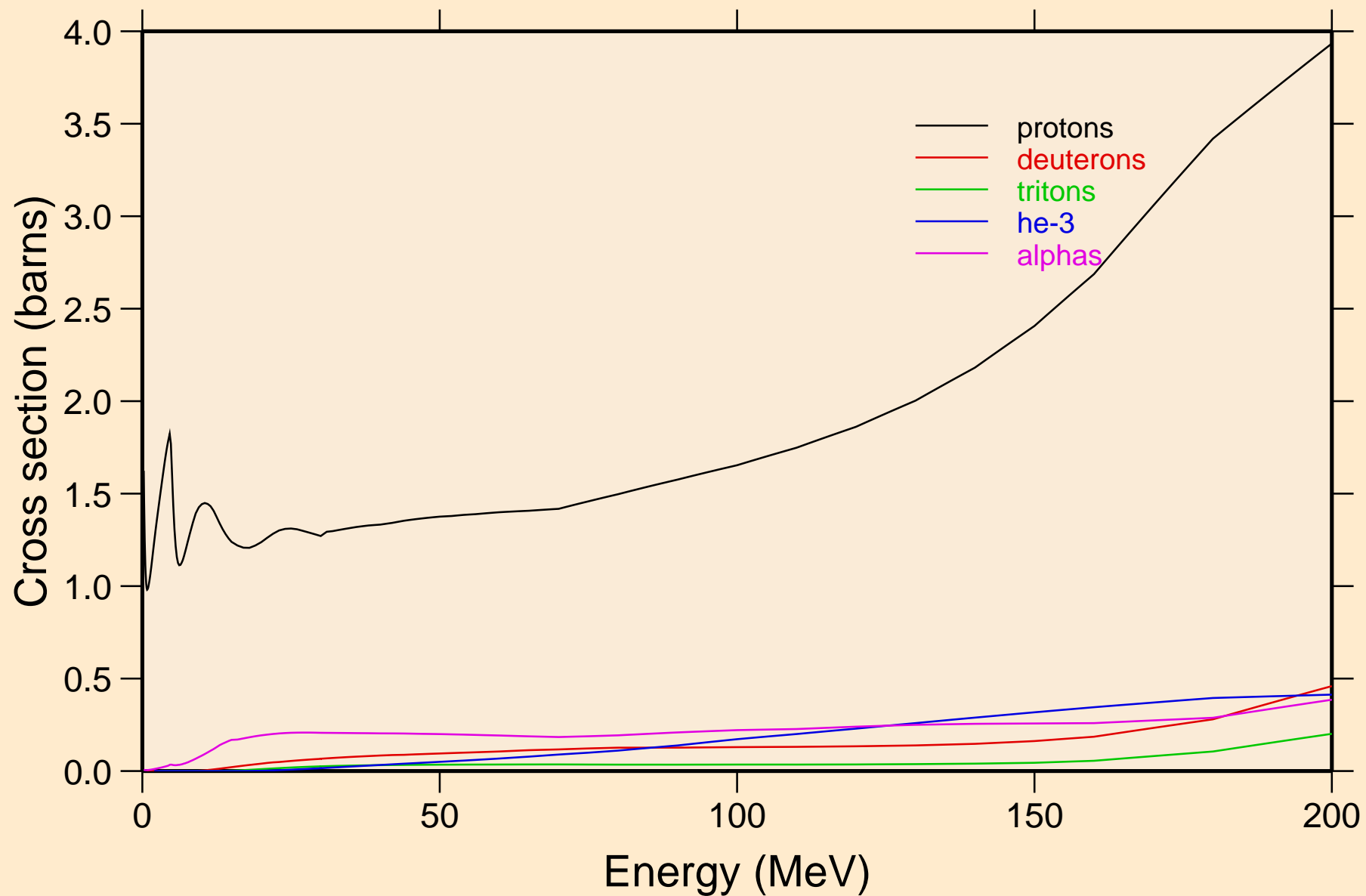


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



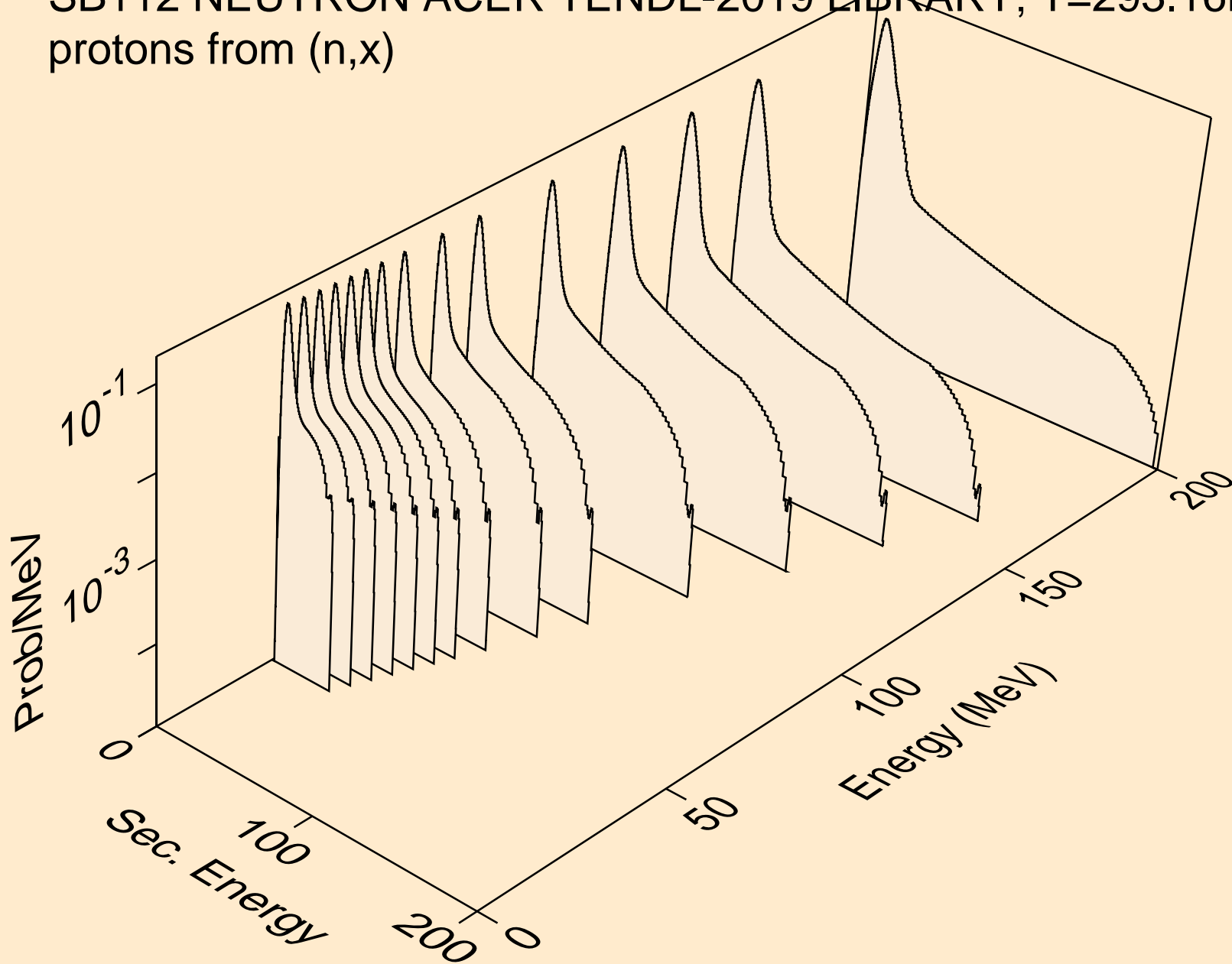
# SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

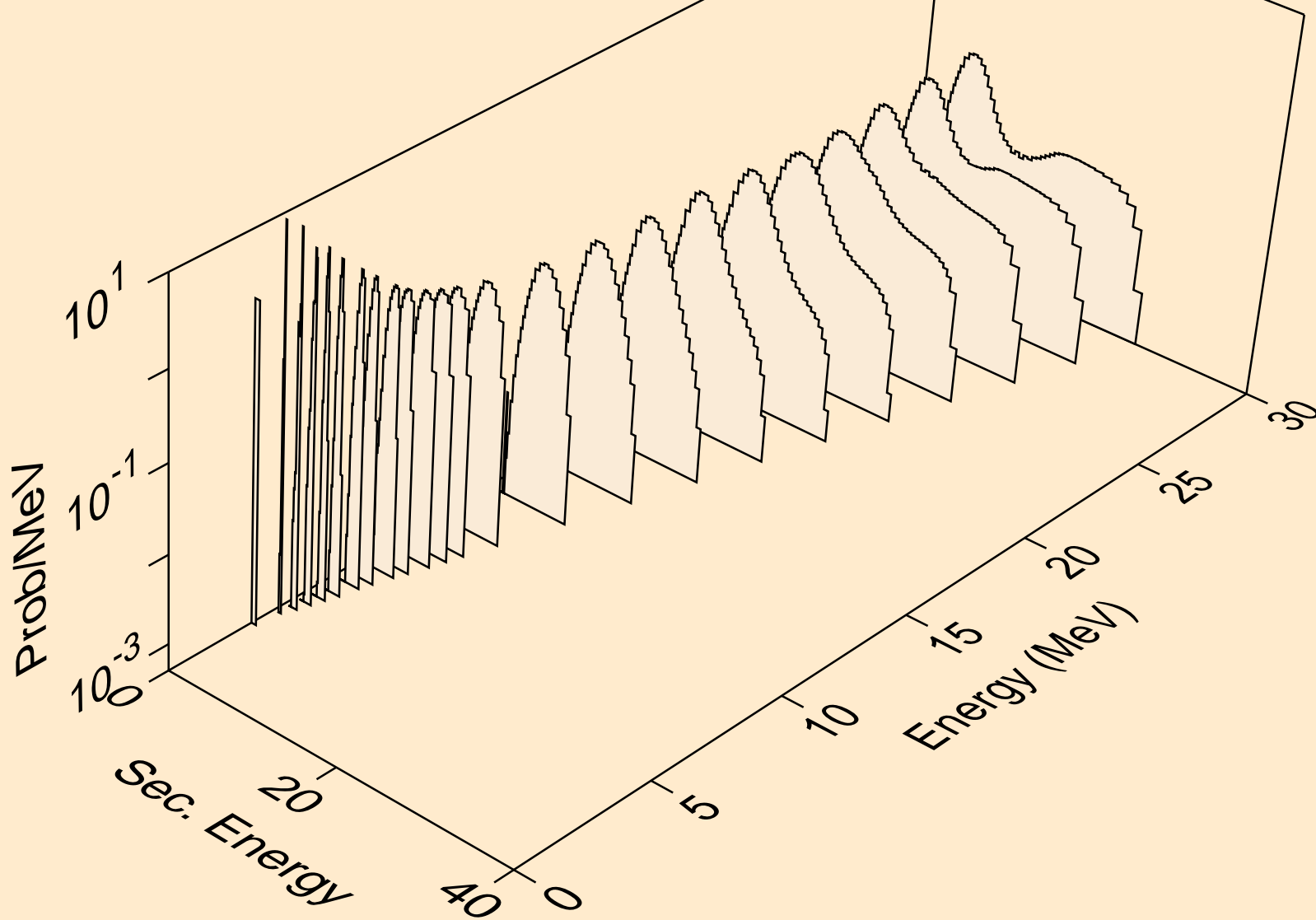




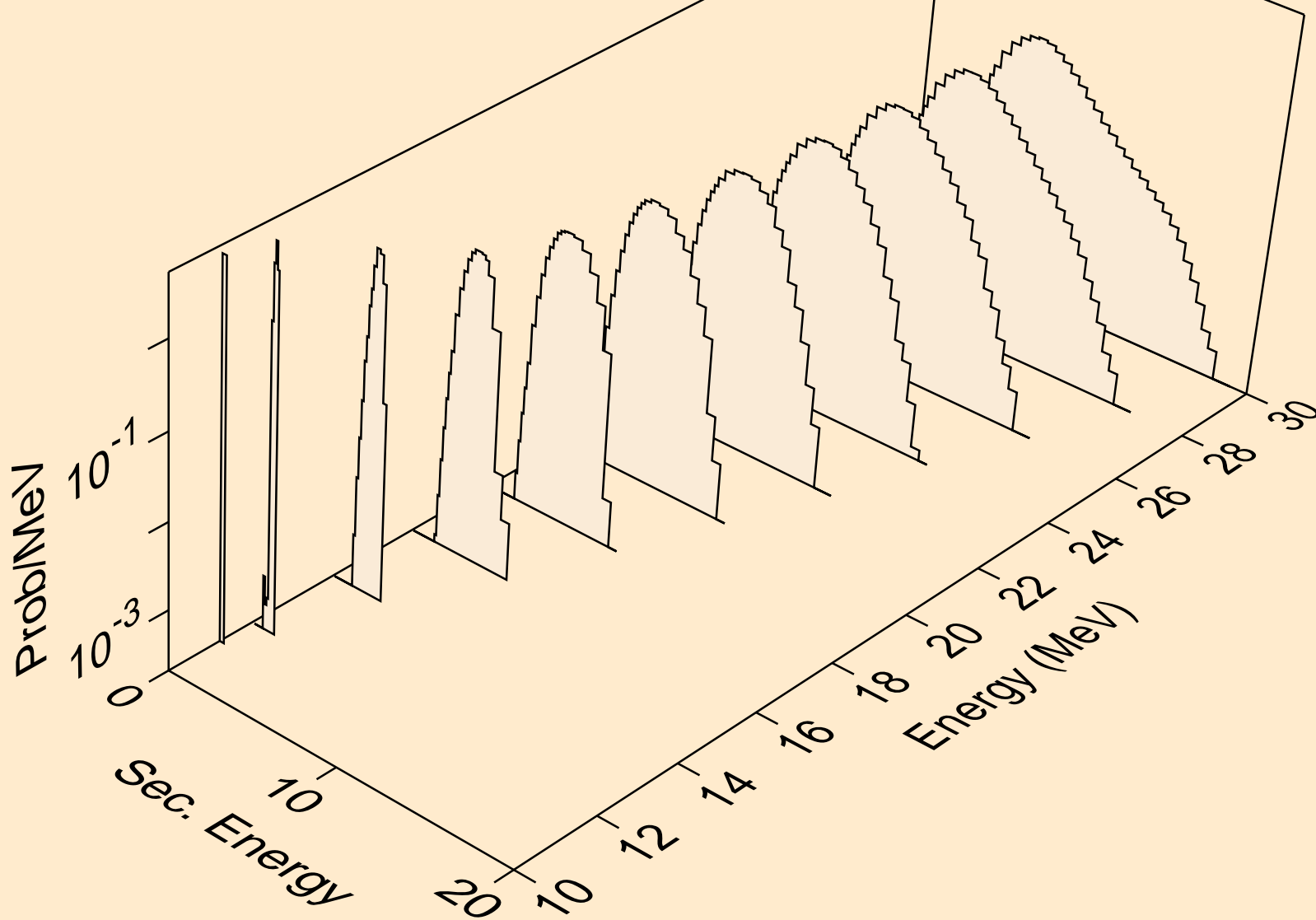
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



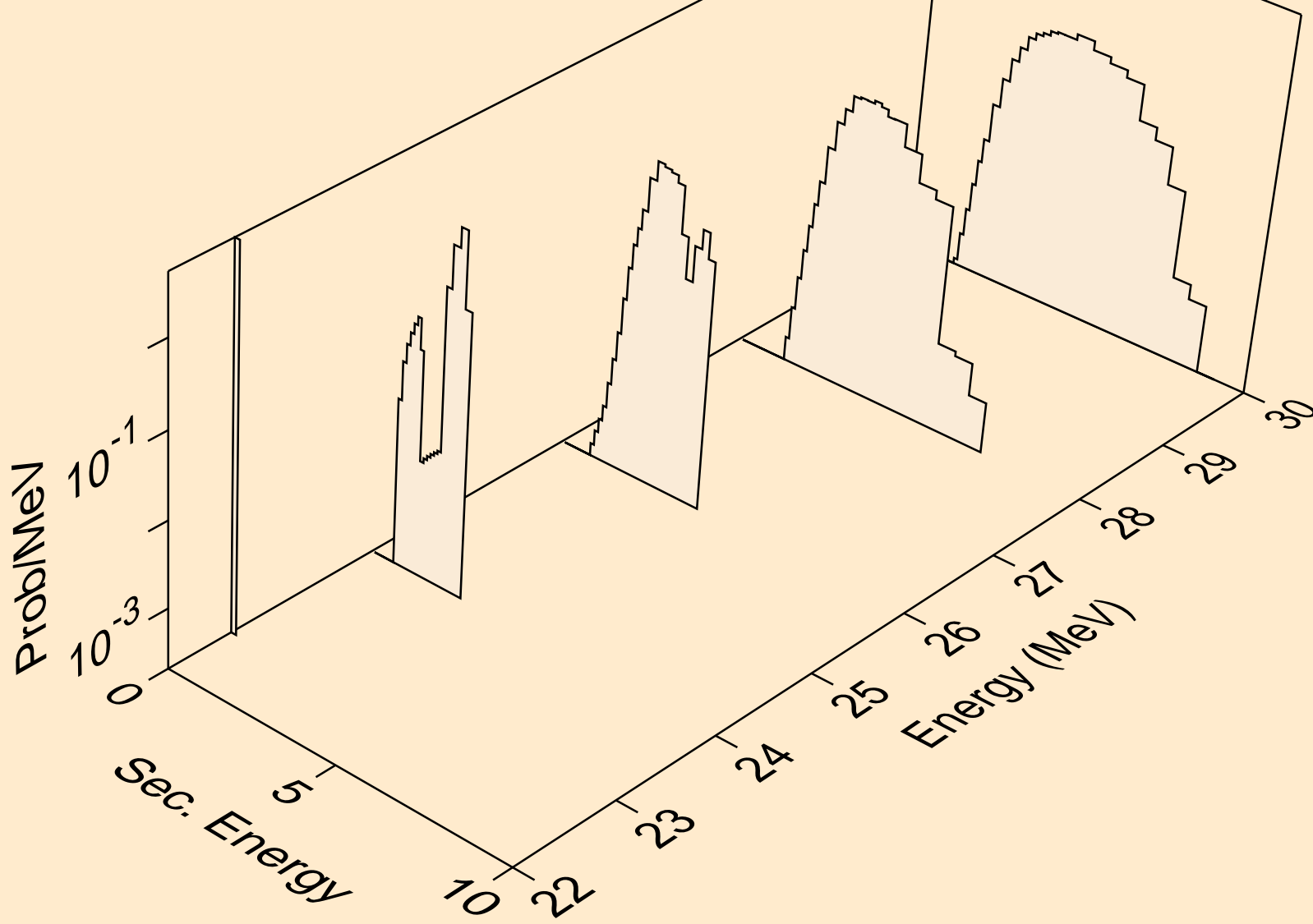
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



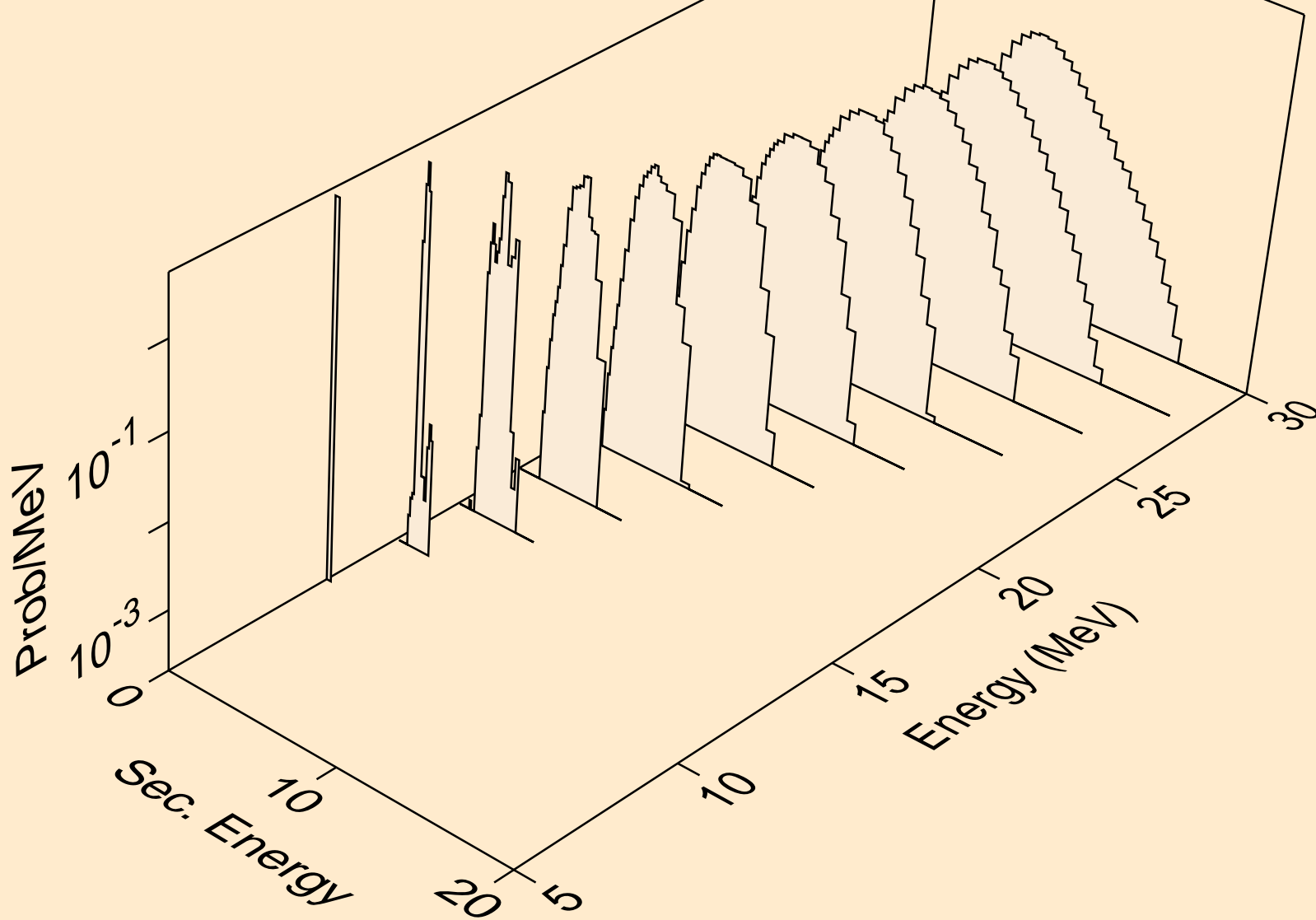
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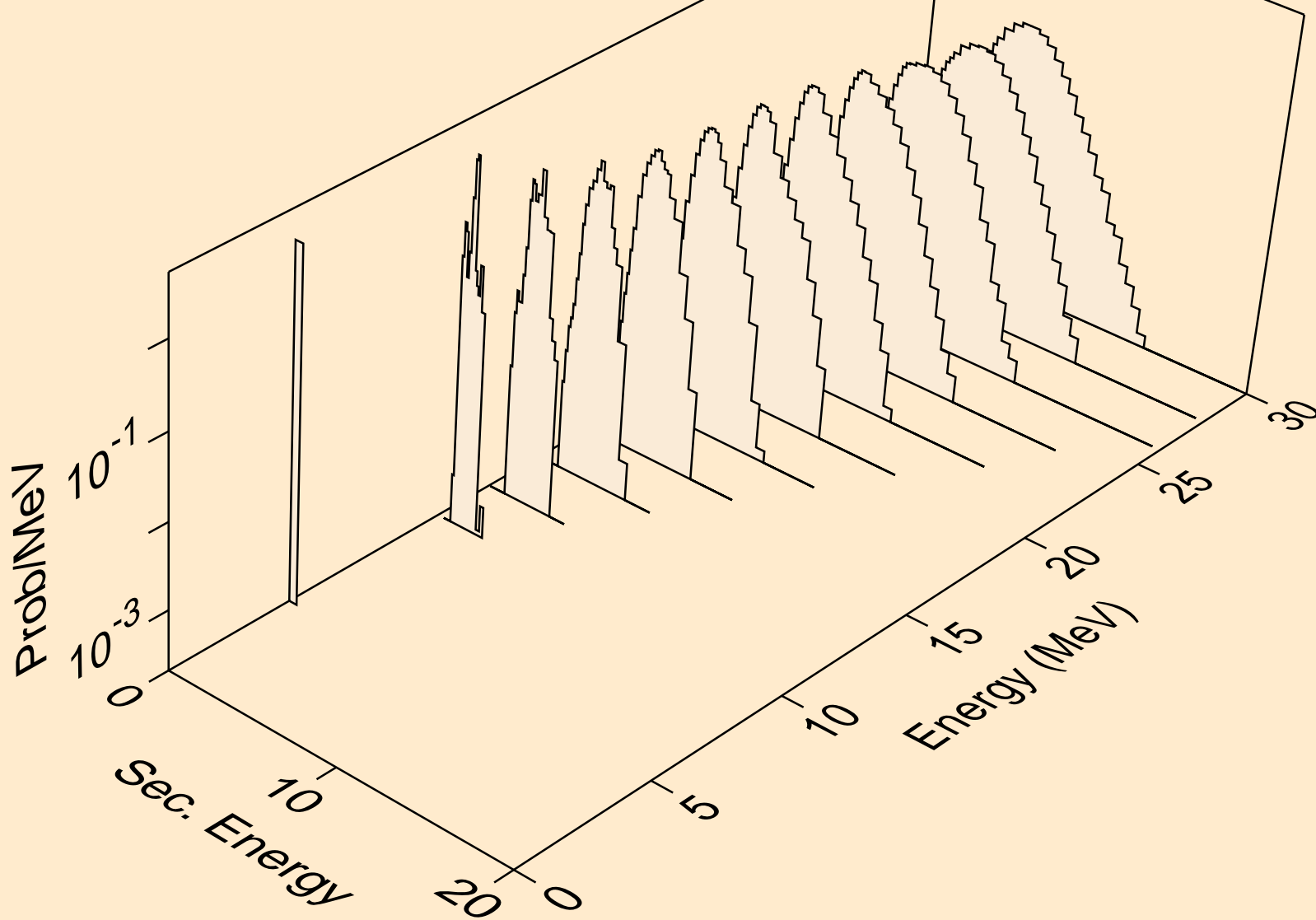
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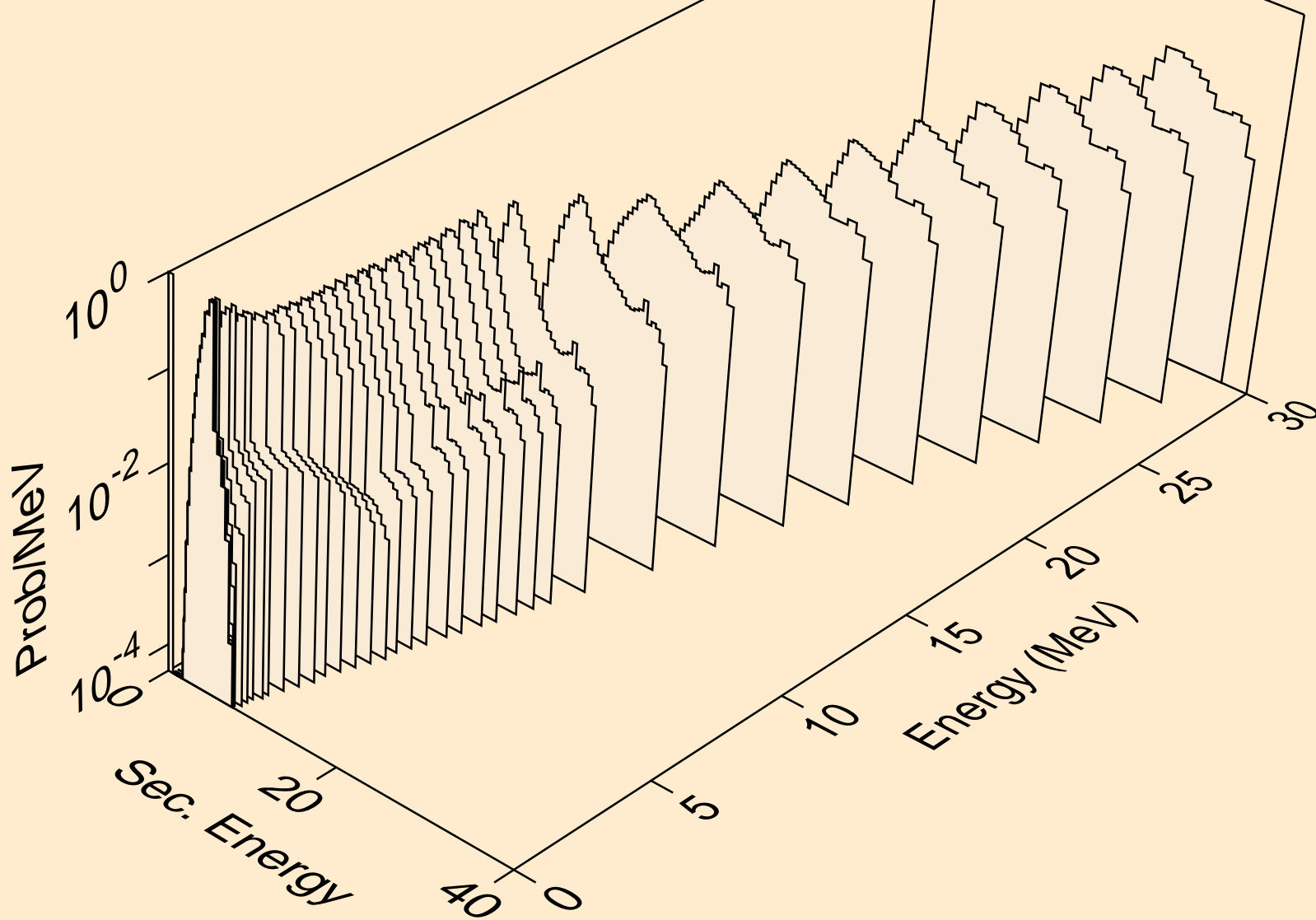
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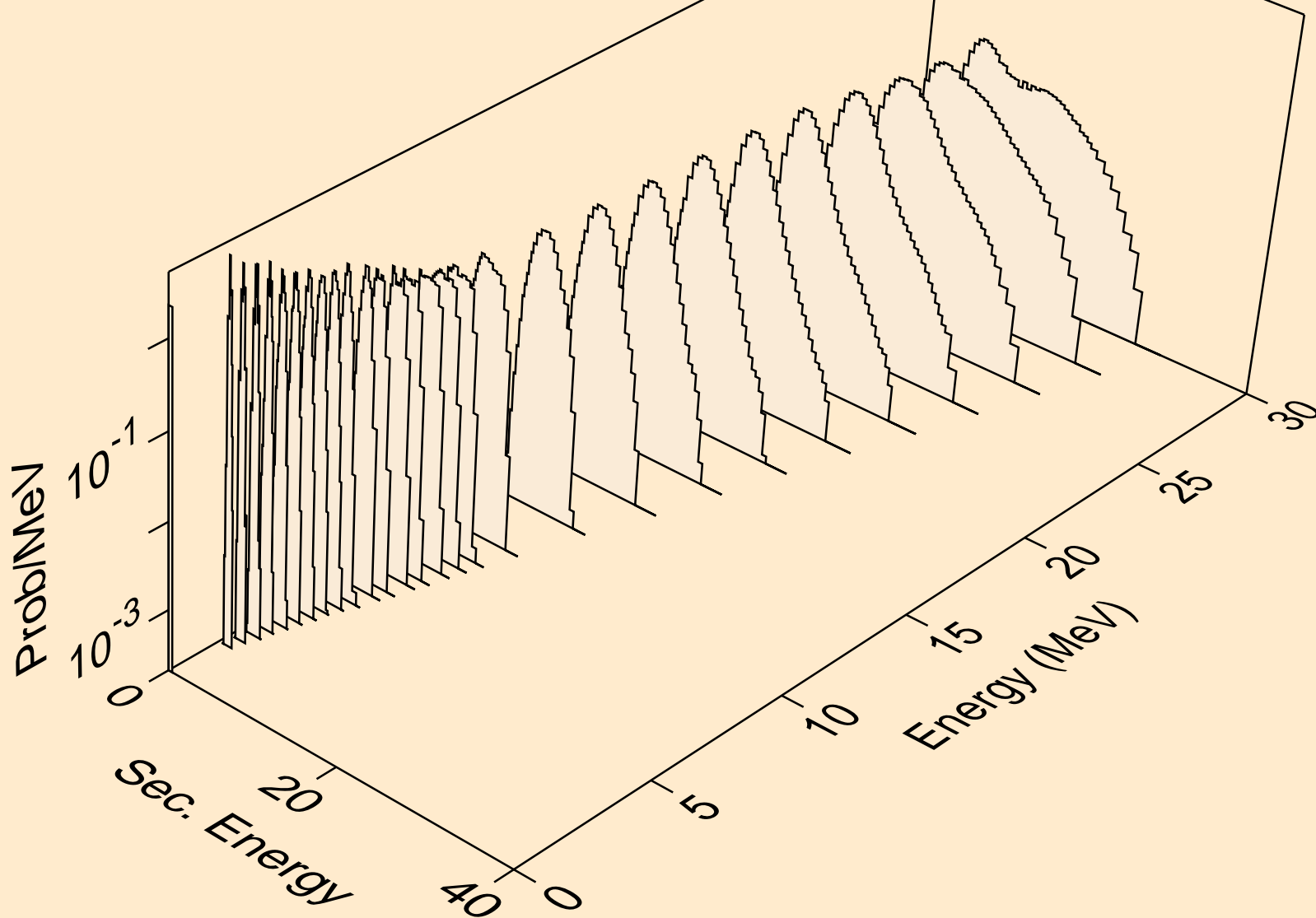
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protons from (n,npa)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

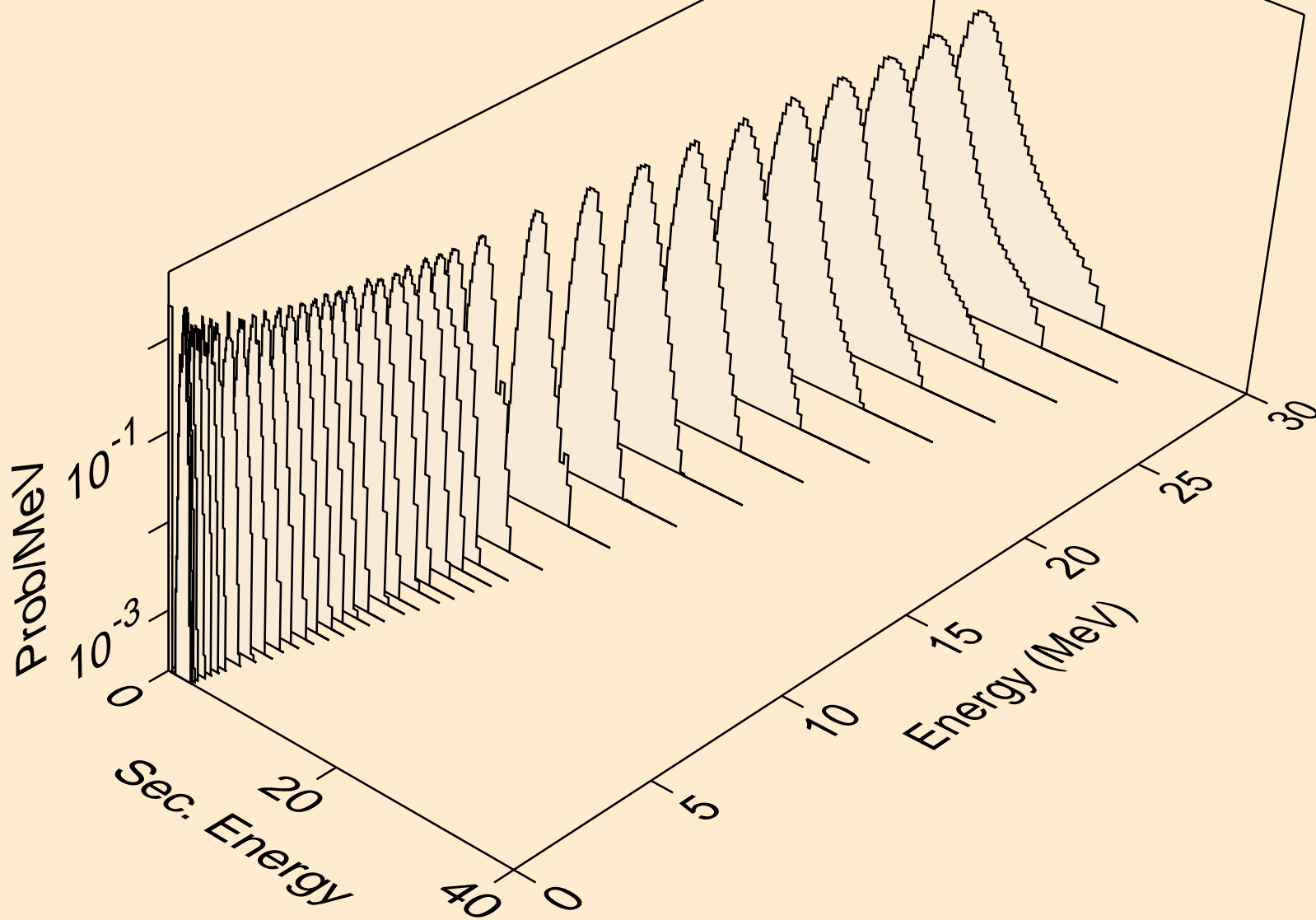


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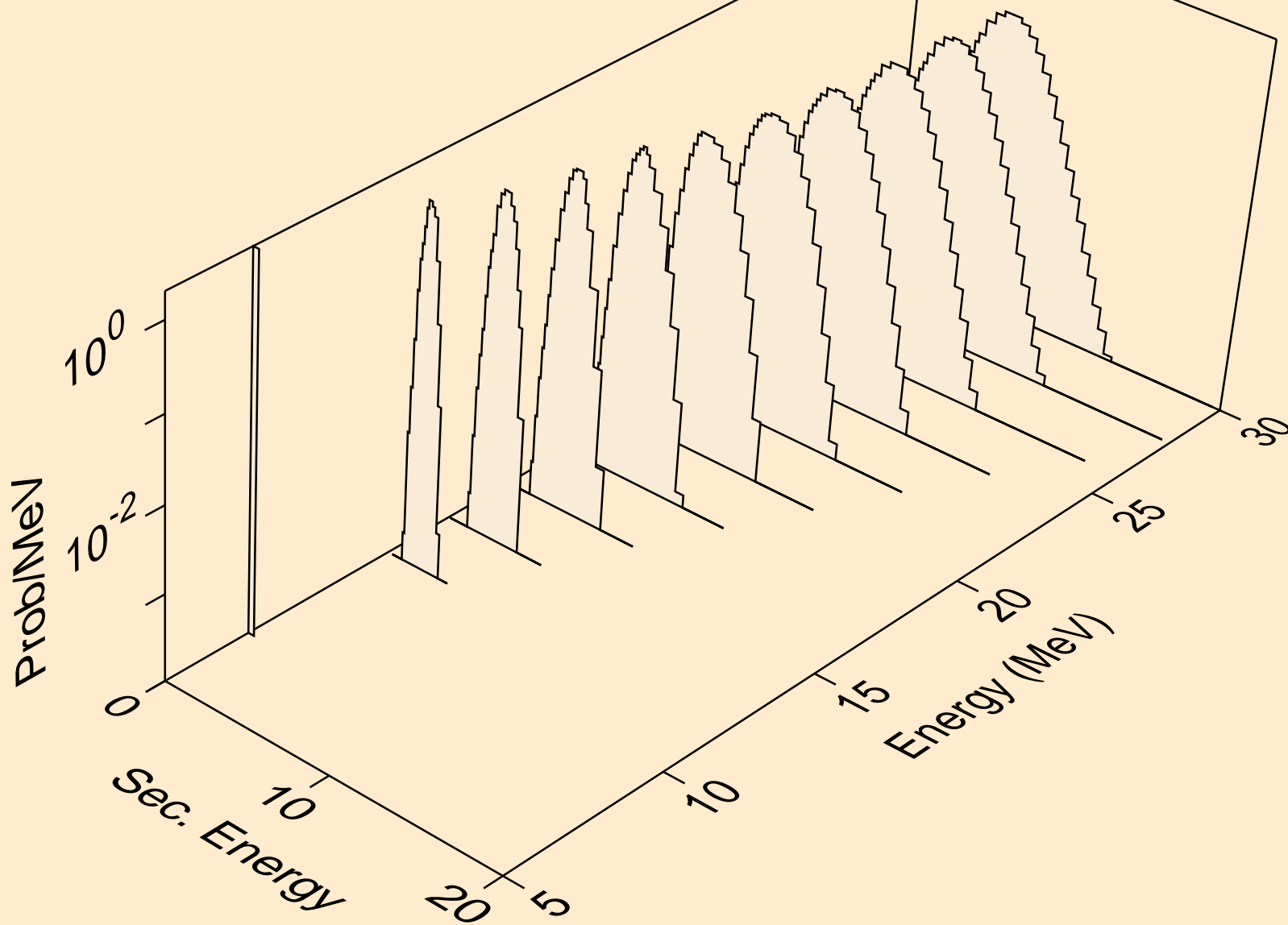




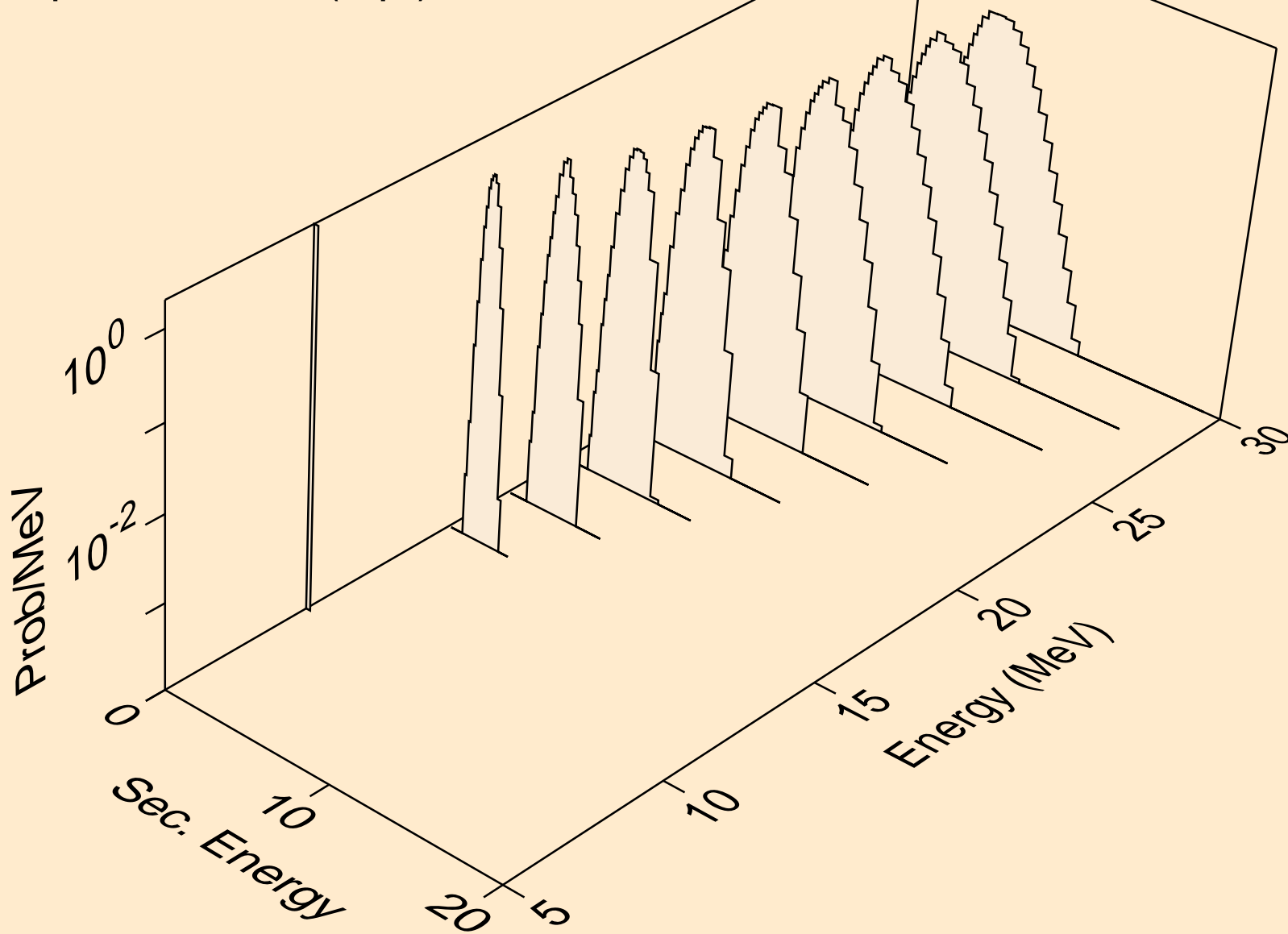
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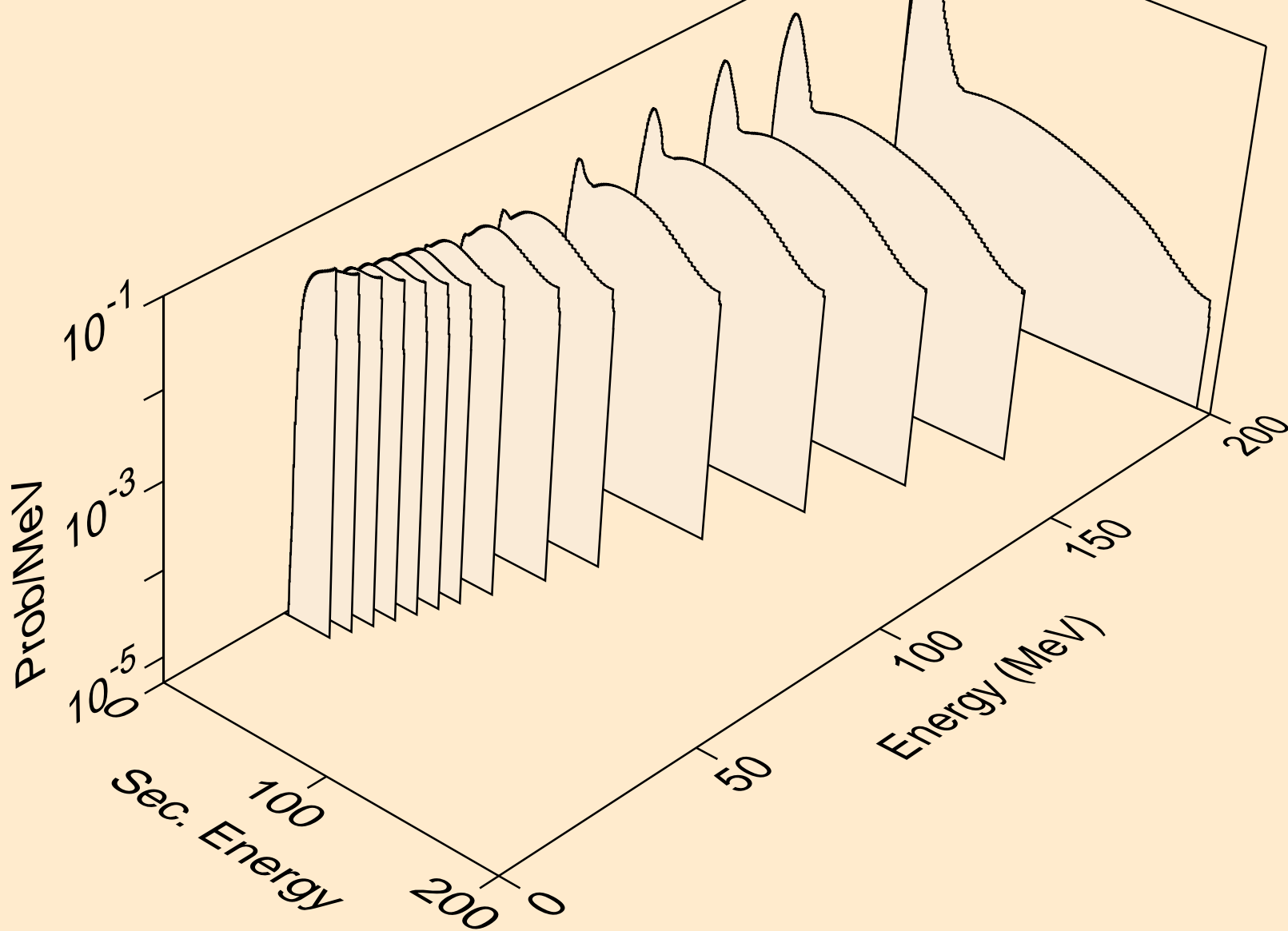
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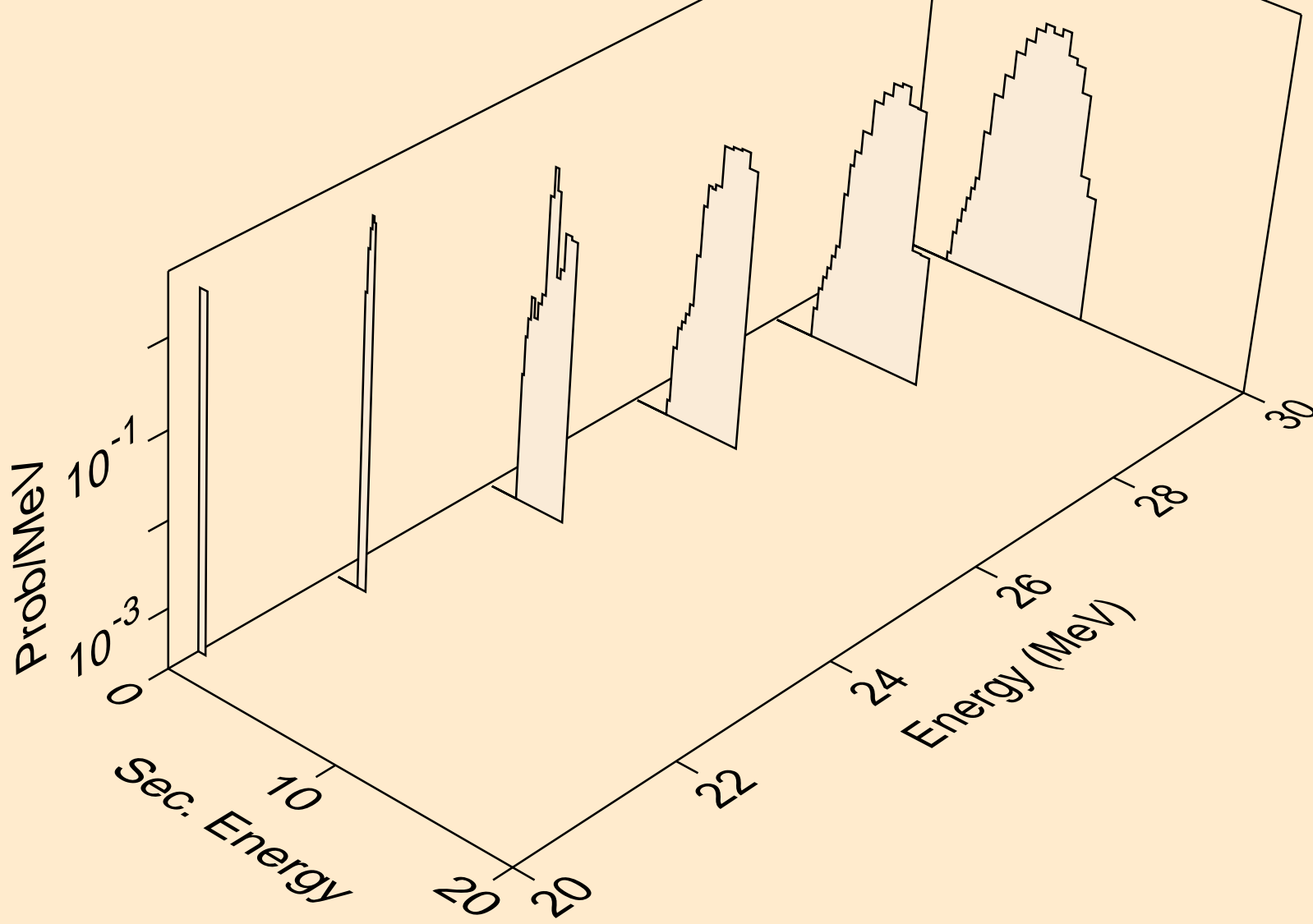
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protons from (n,pt)



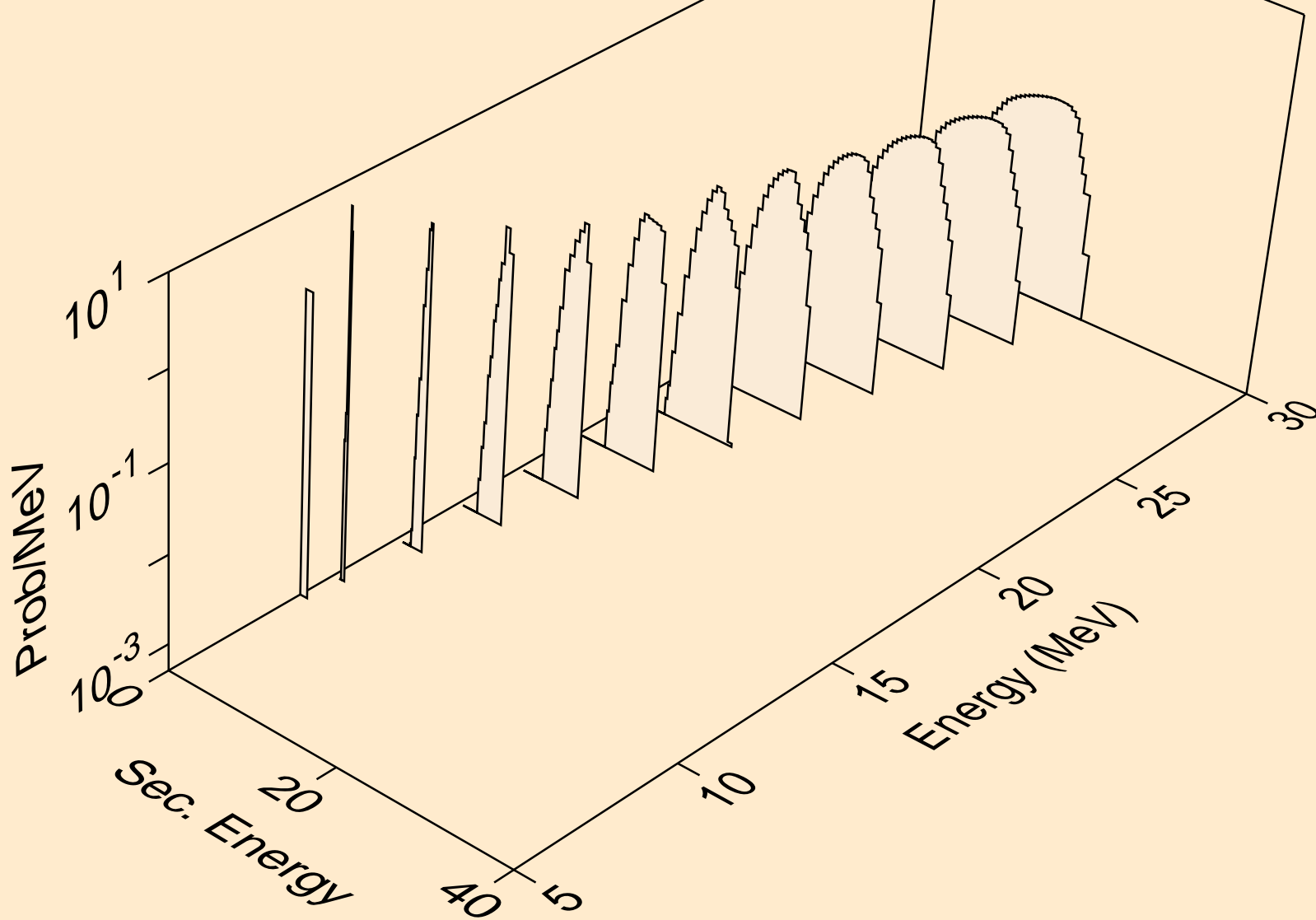
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deuterons from (n,x)



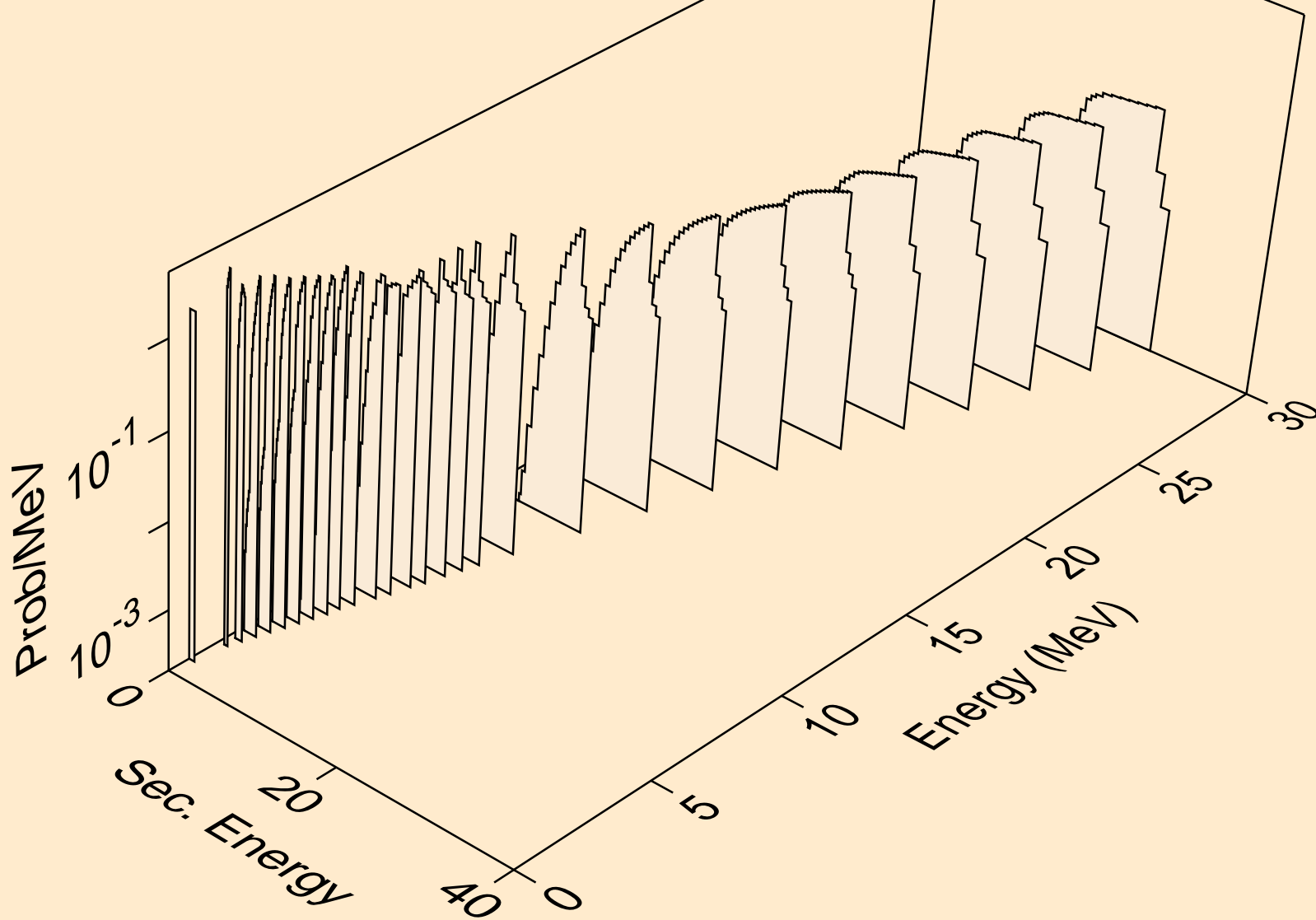
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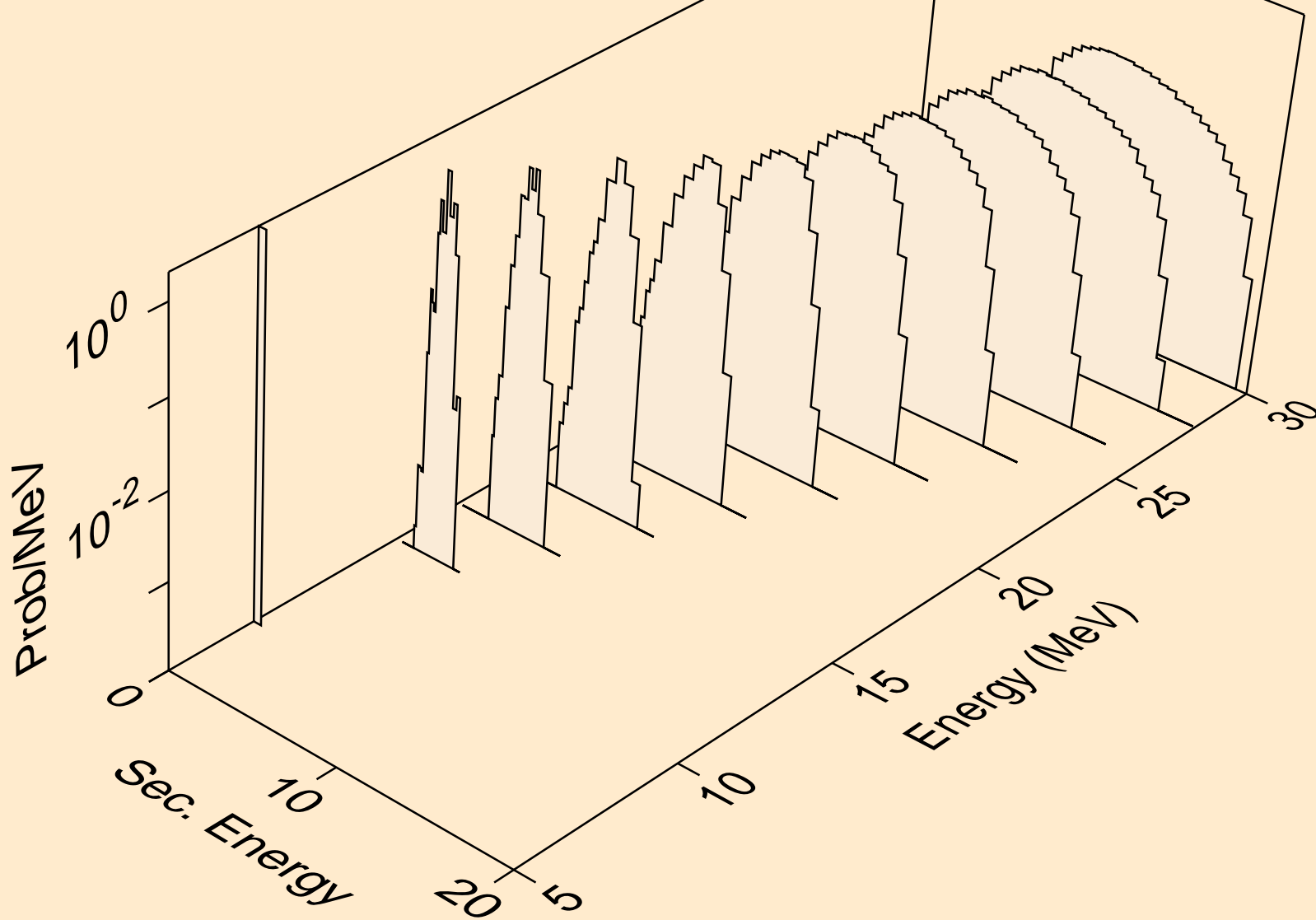
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deuterons from (n,n\*)d



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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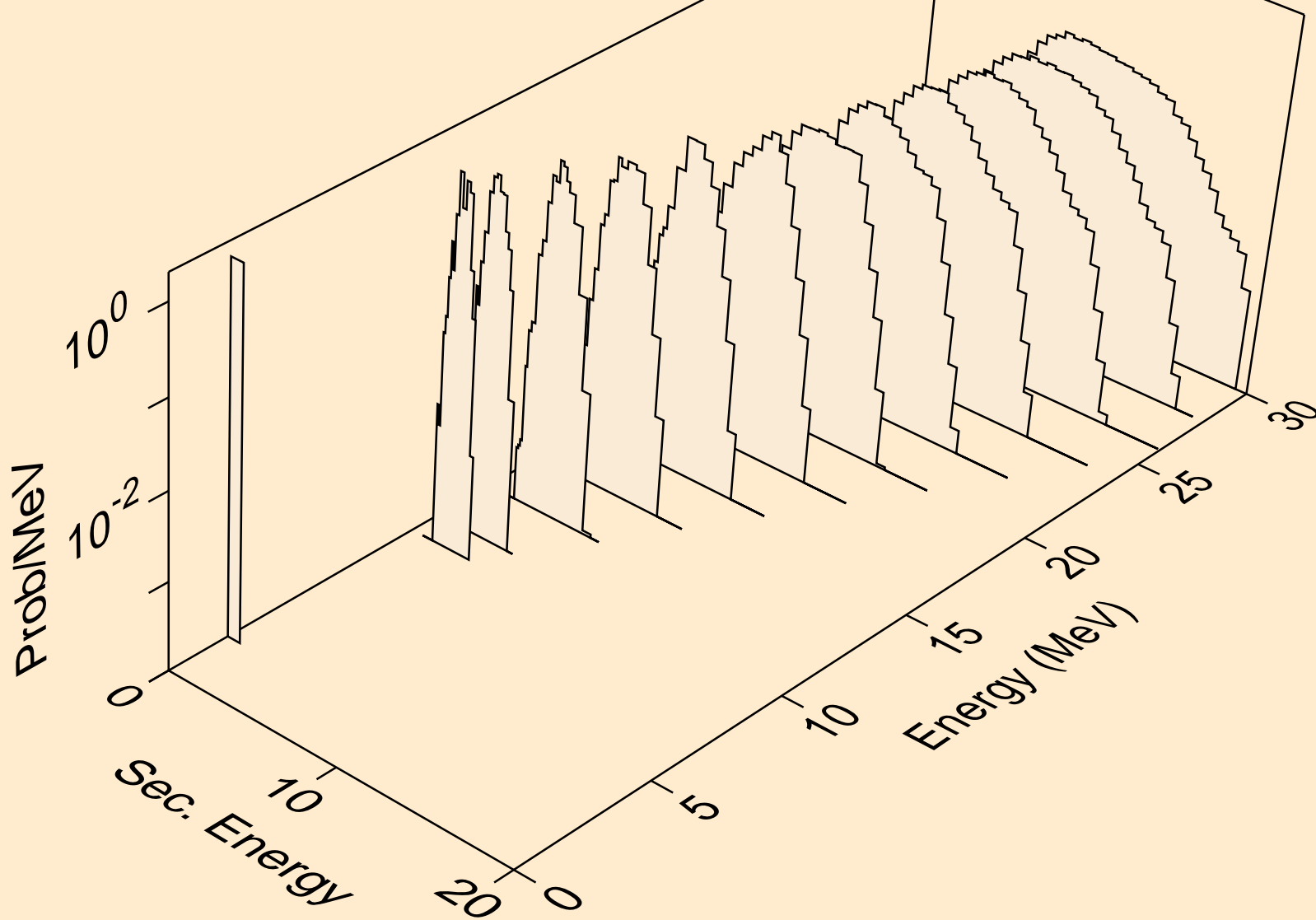


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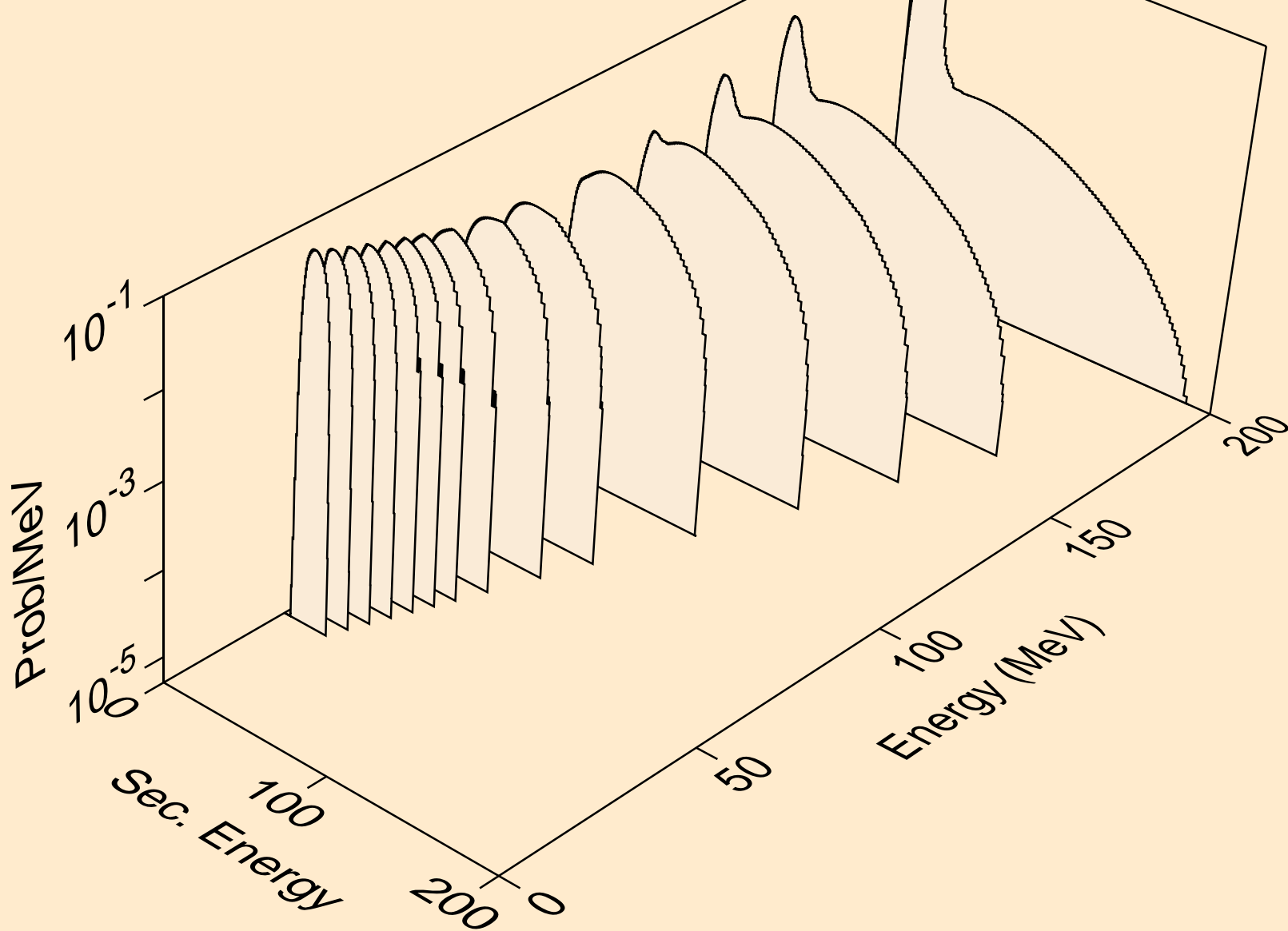




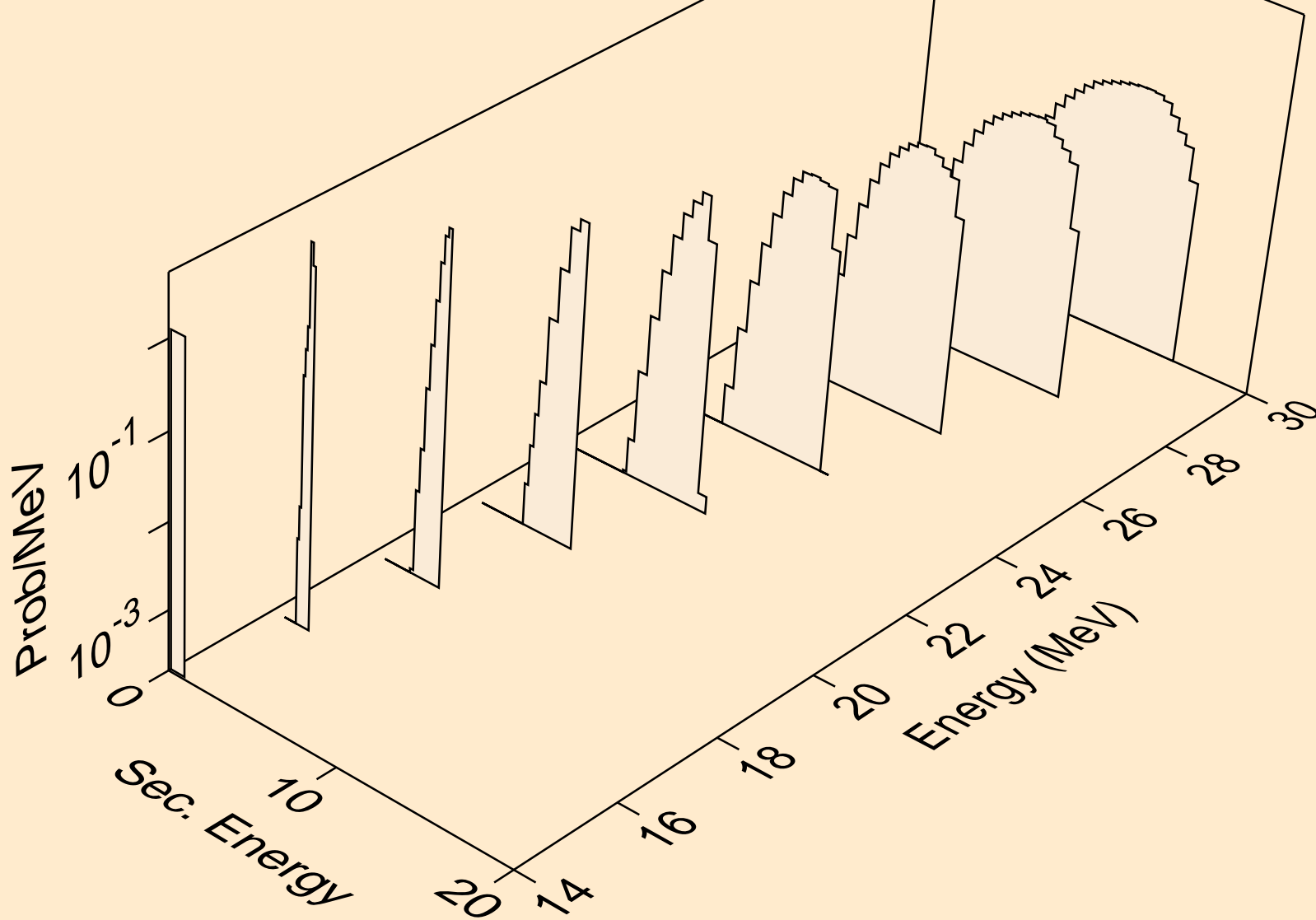
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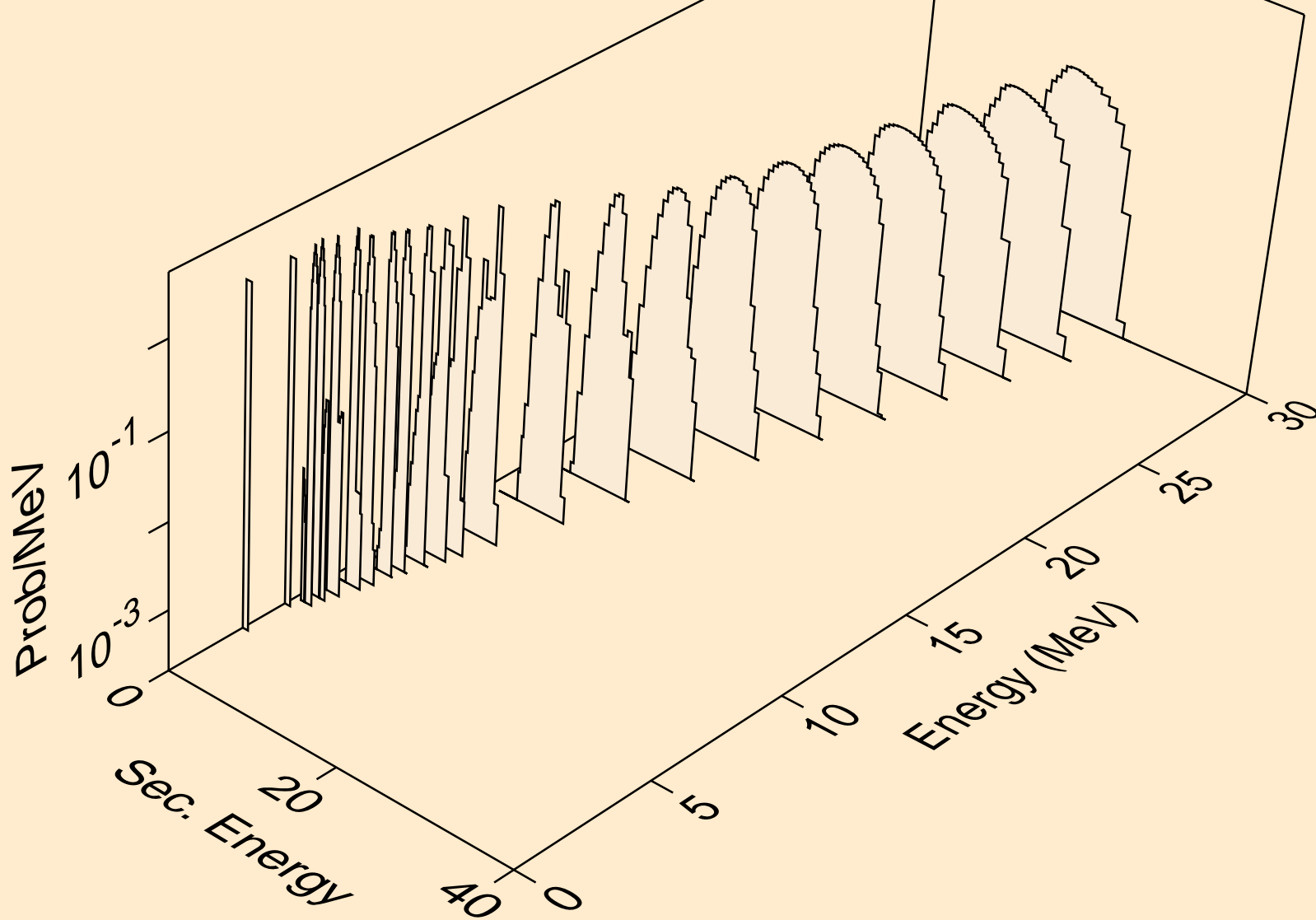
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tritons from (n,x)



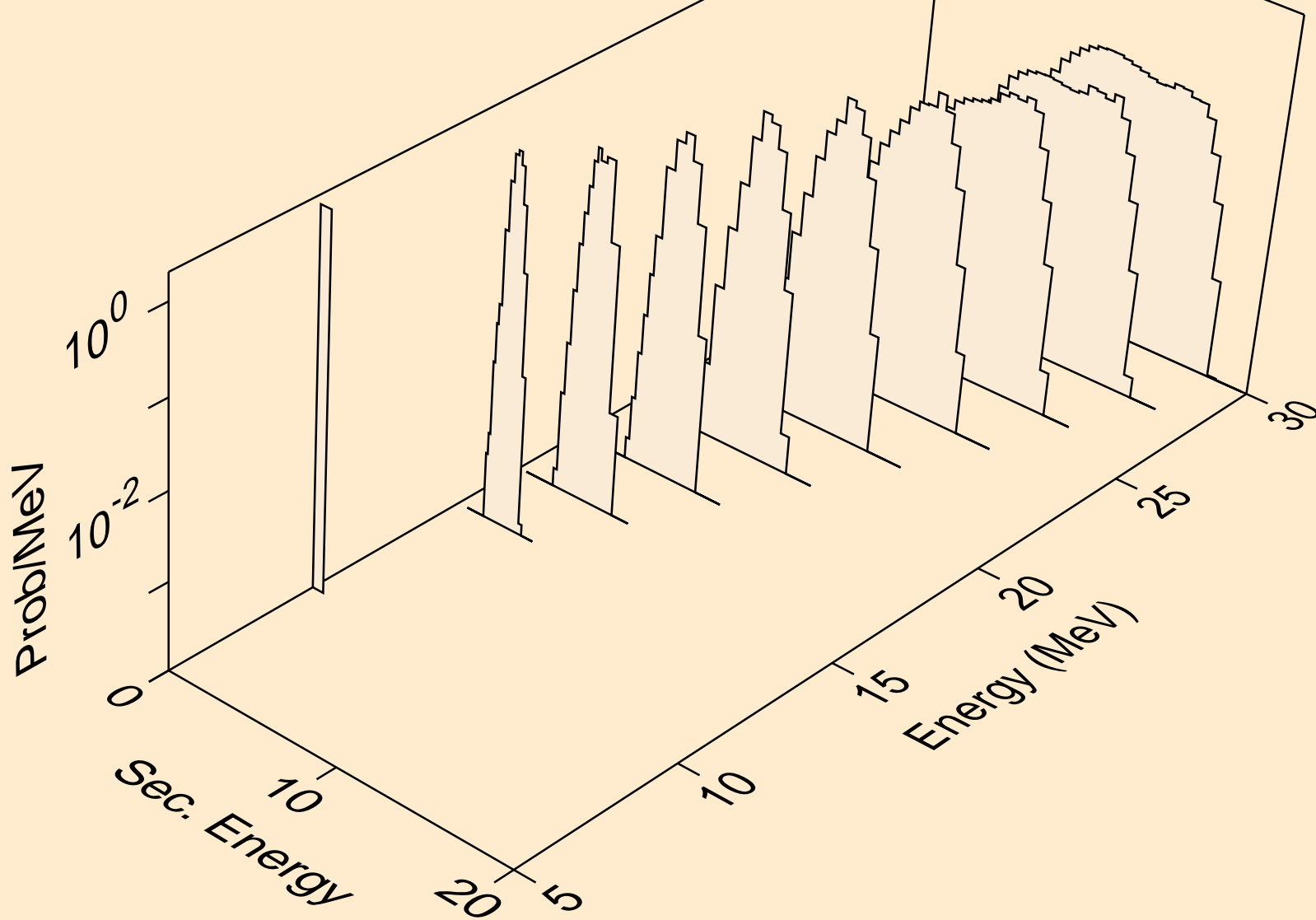
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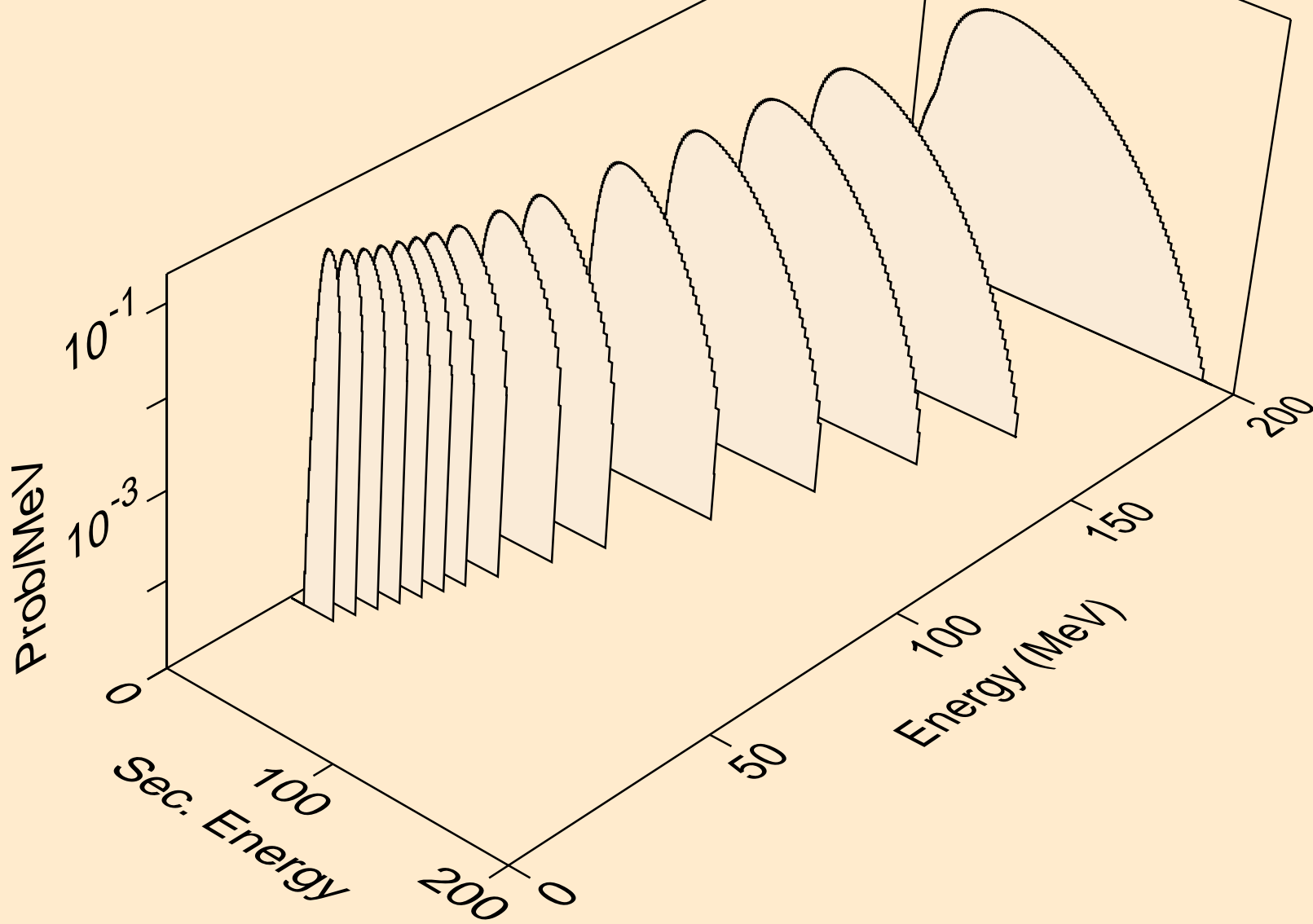
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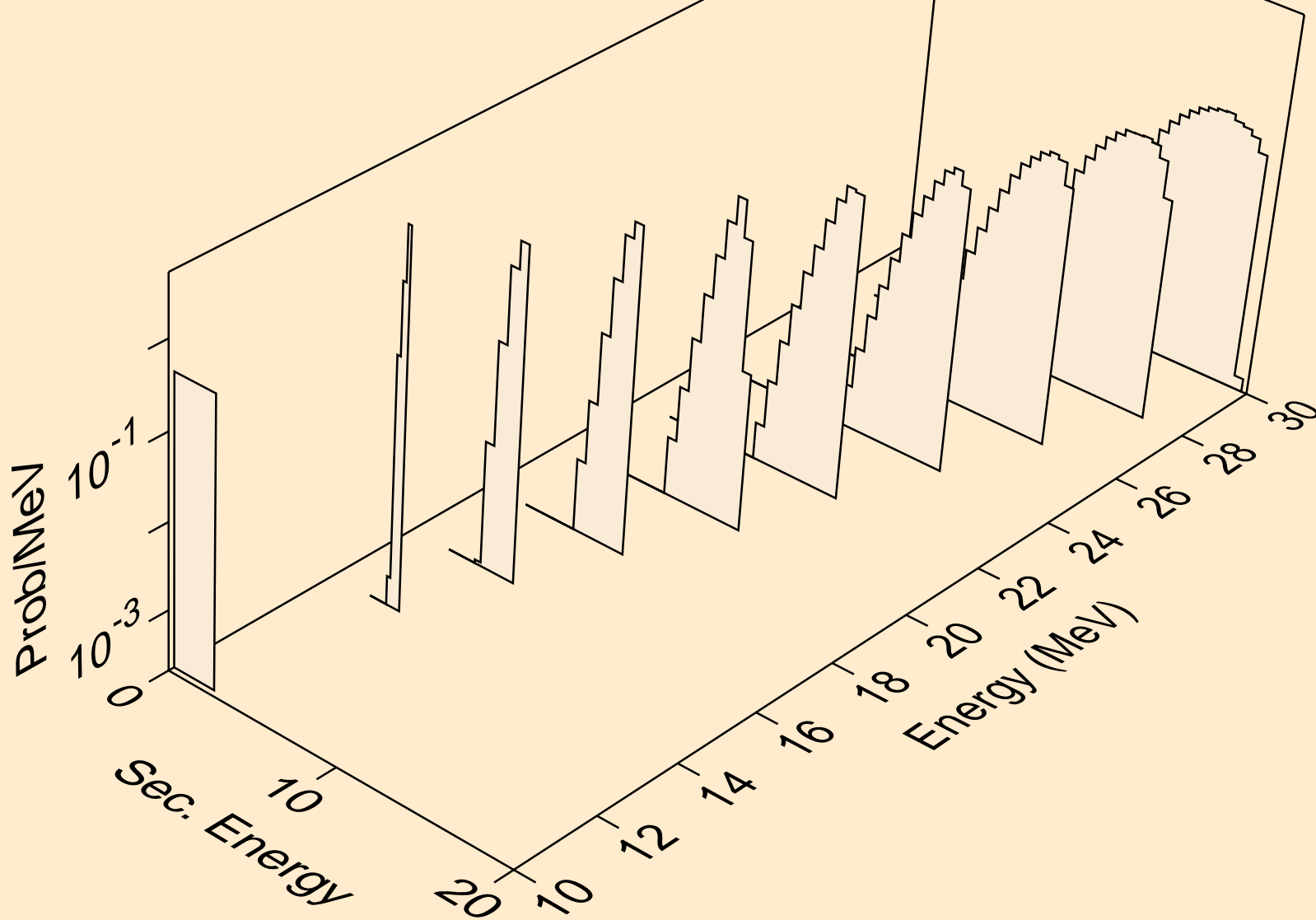
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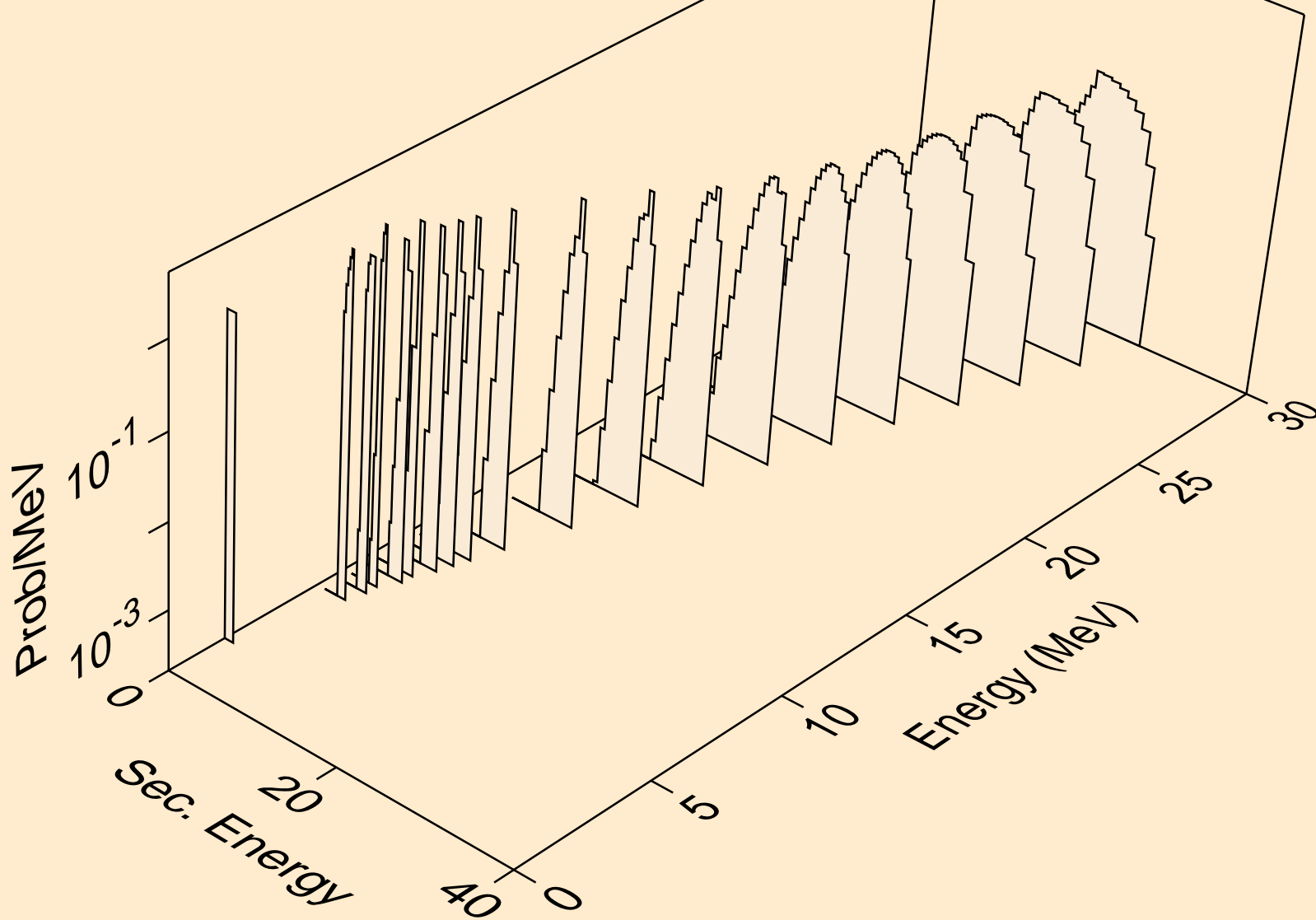
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he3s from (n,x)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

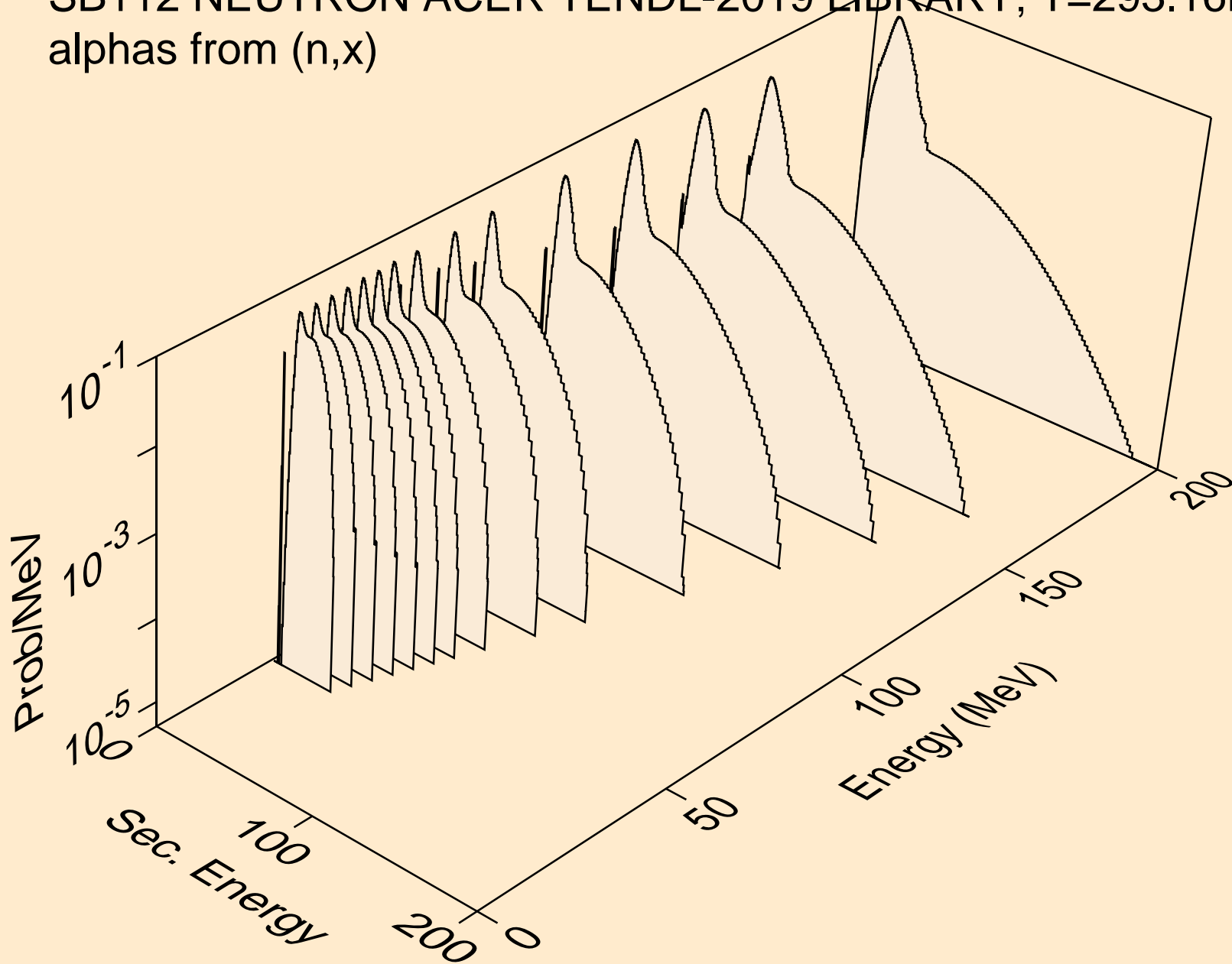


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he3s from (n,he3)

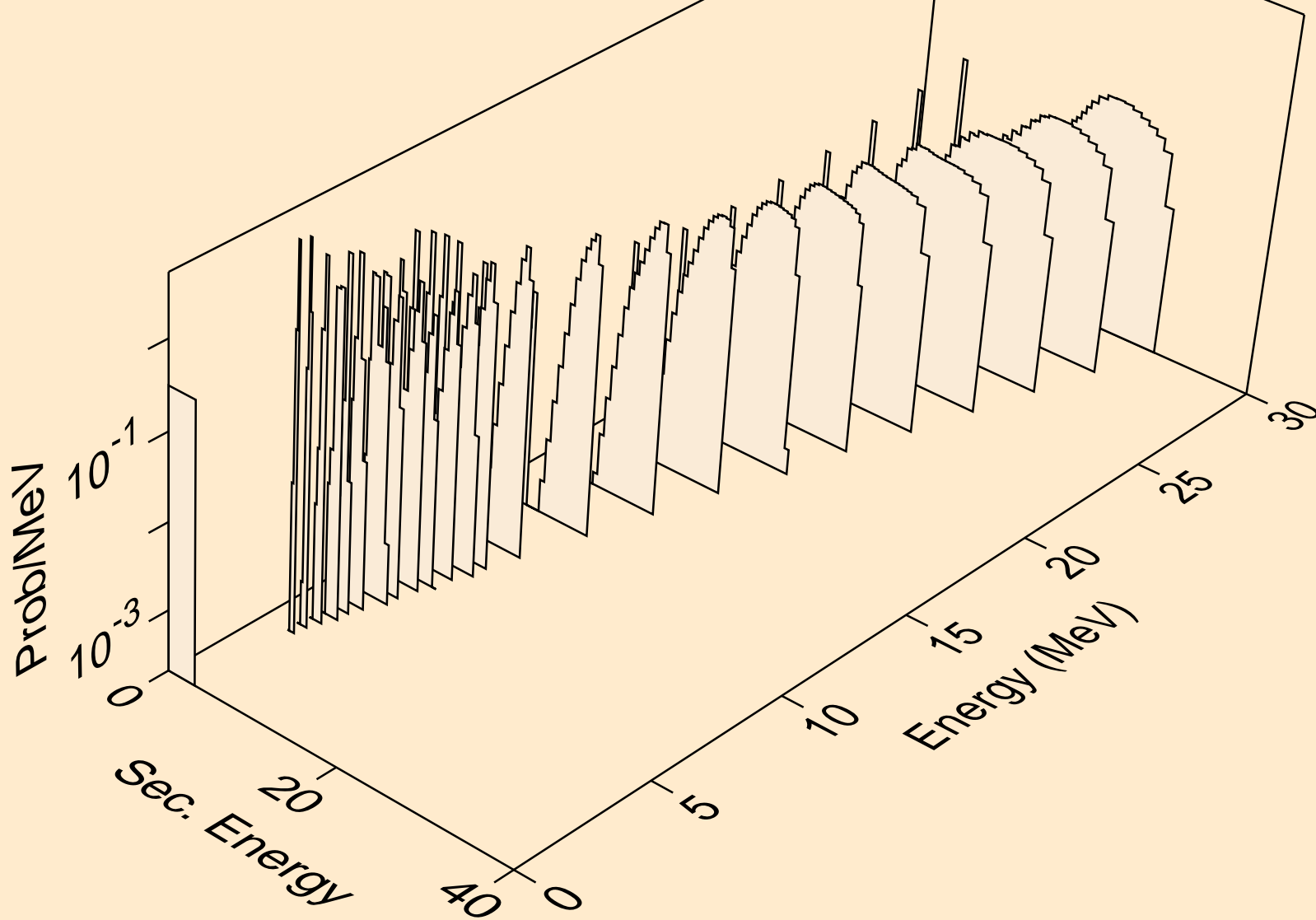




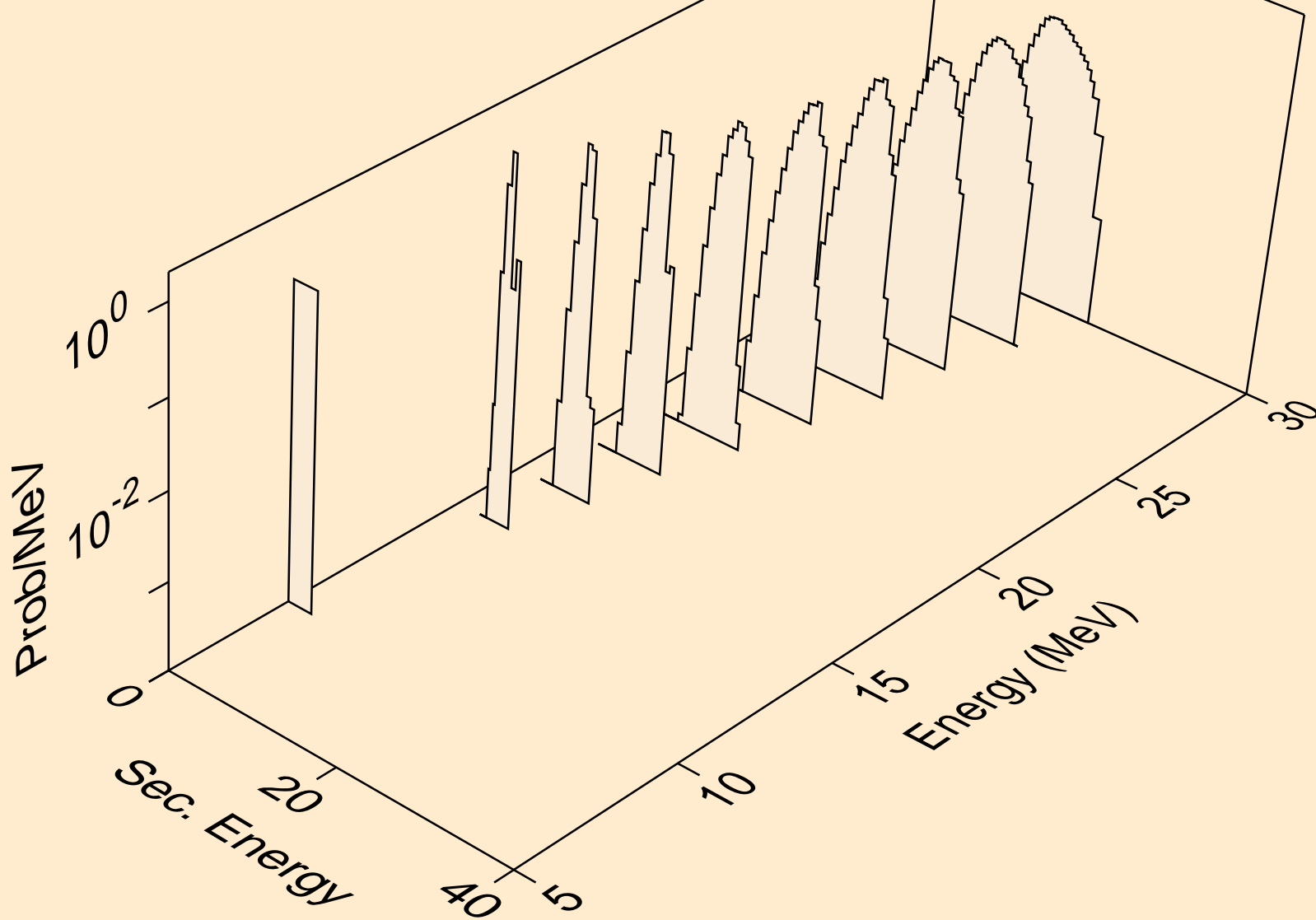
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alphas from (n,x)



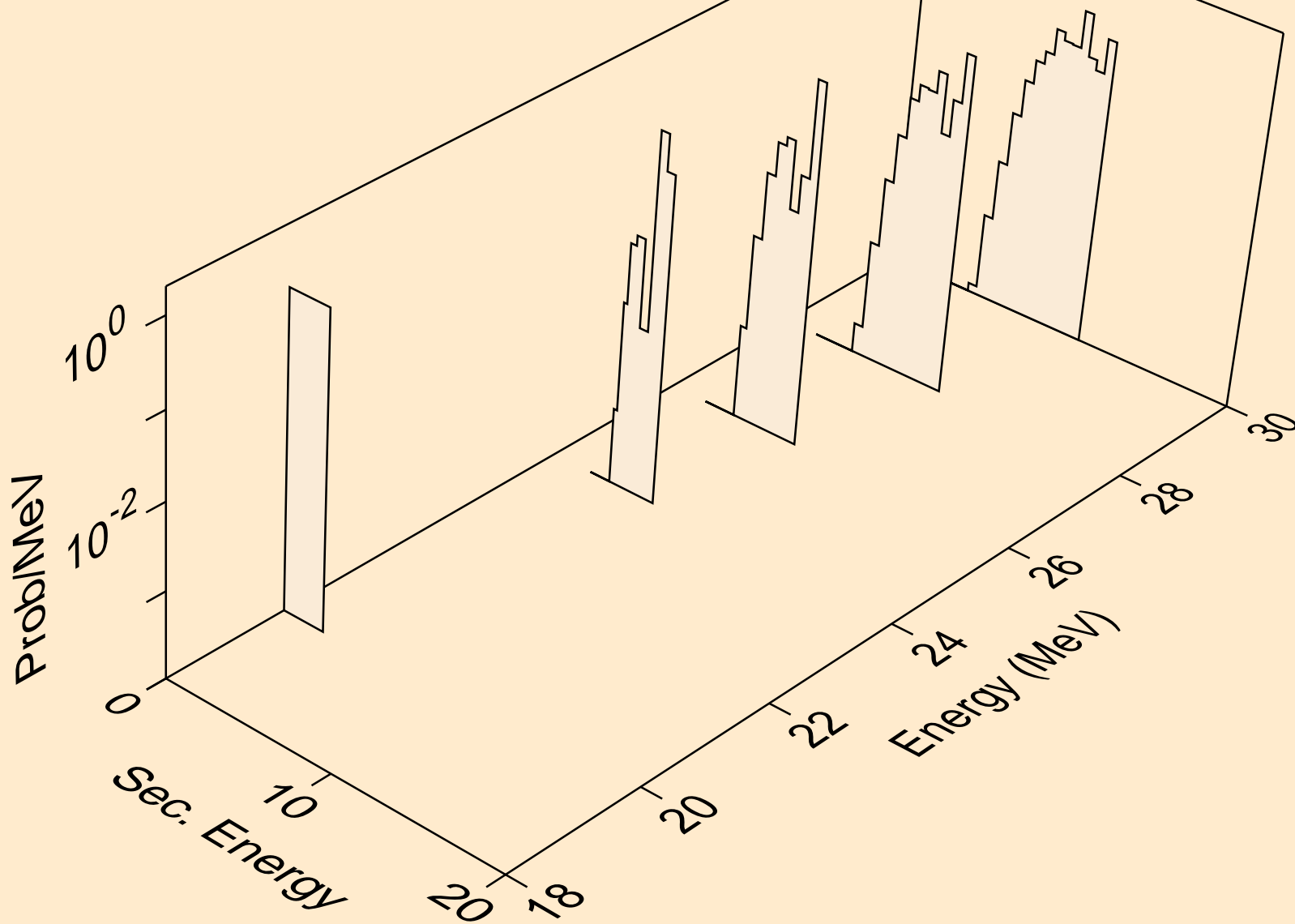
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alphas from (n,n\*)a



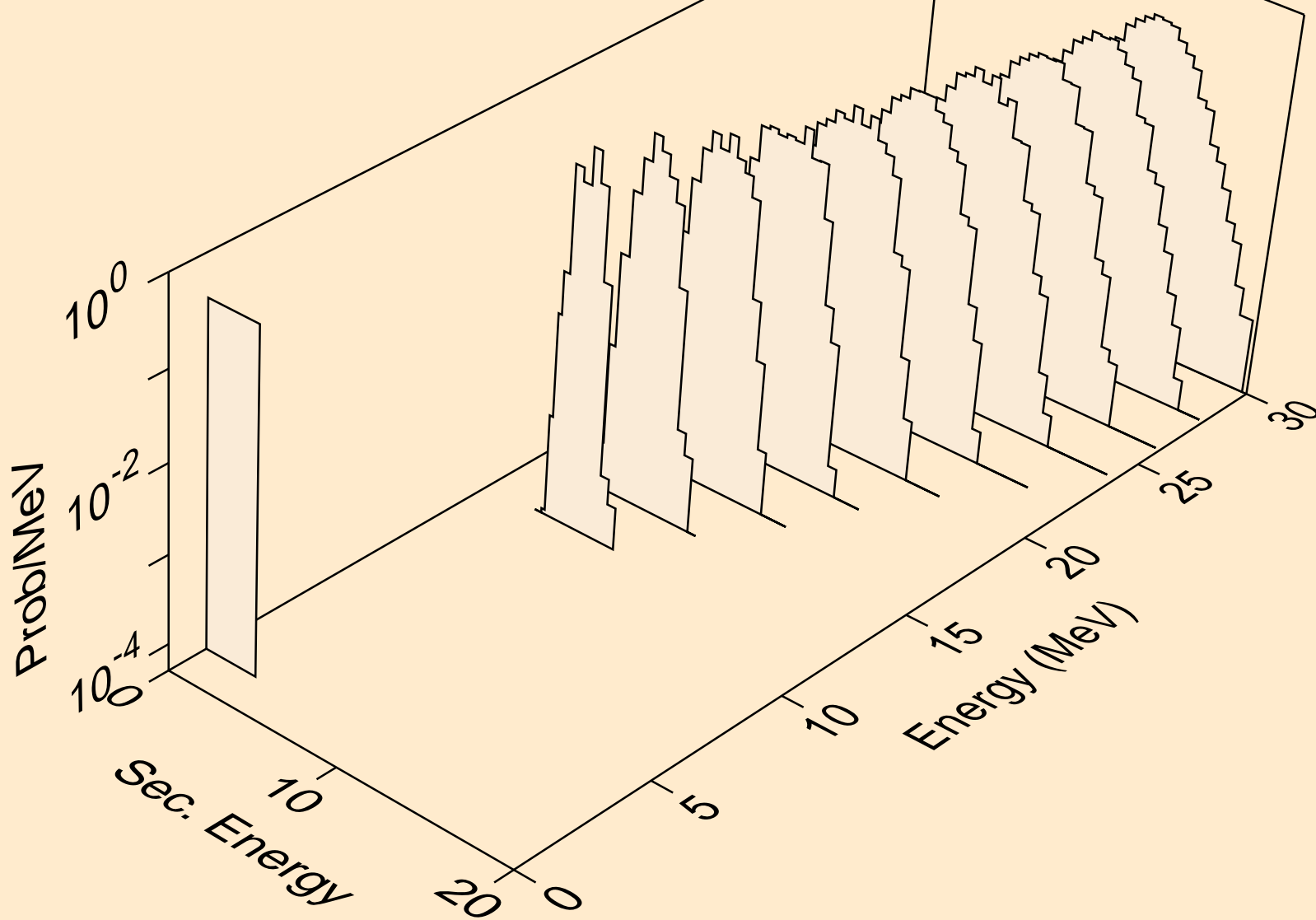
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alphas from (n,2n)a



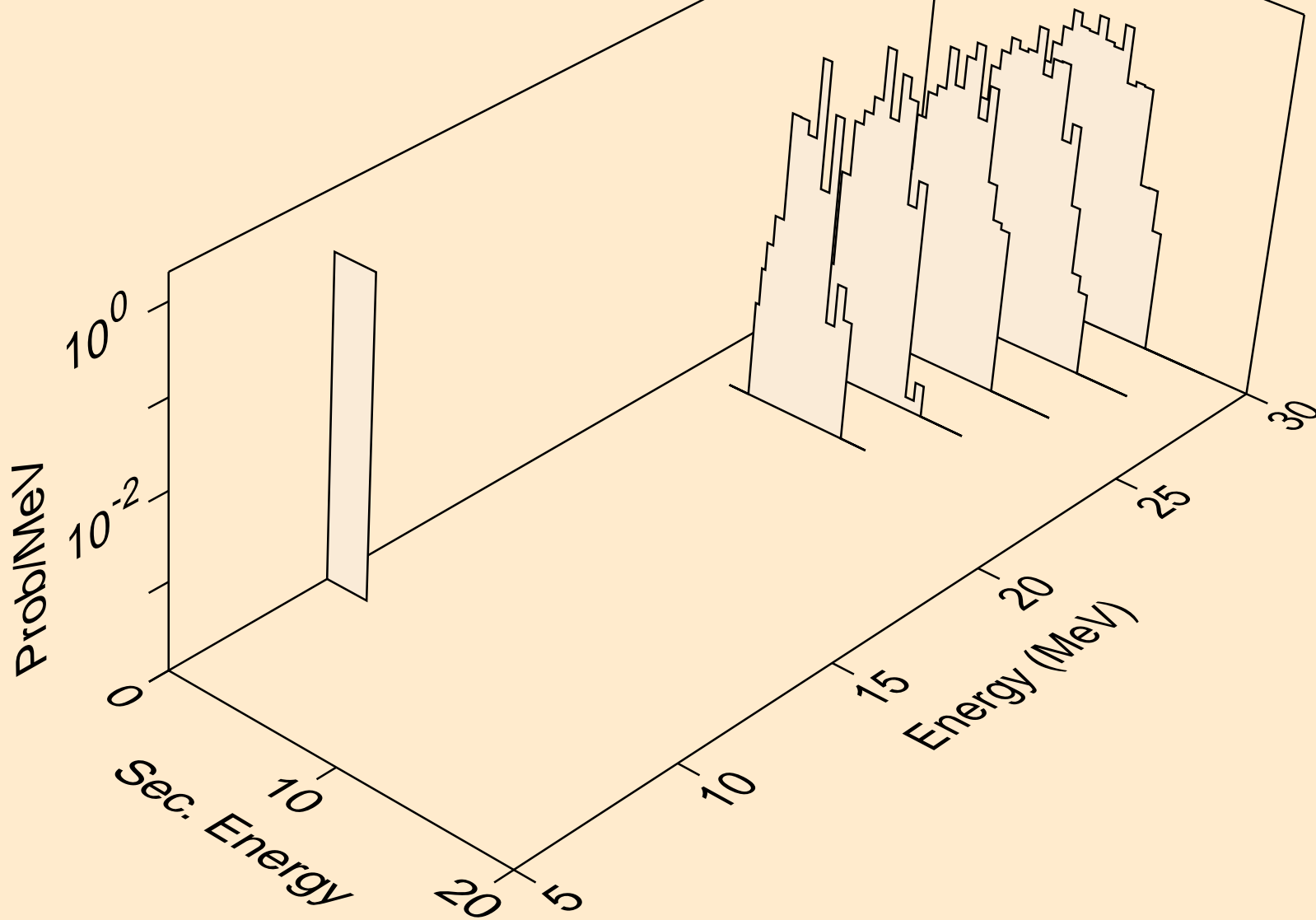
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alphas from (n,3n)a



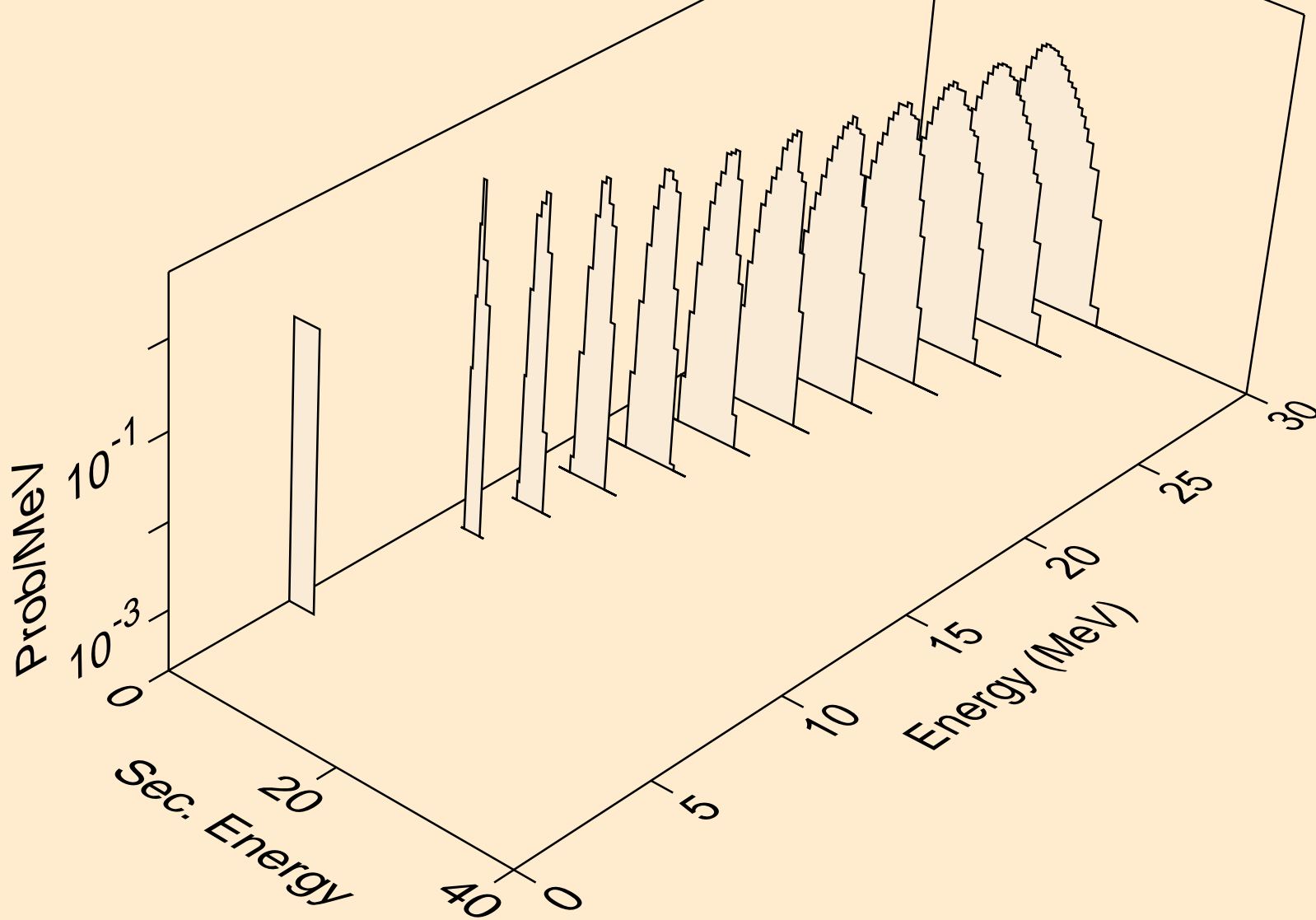
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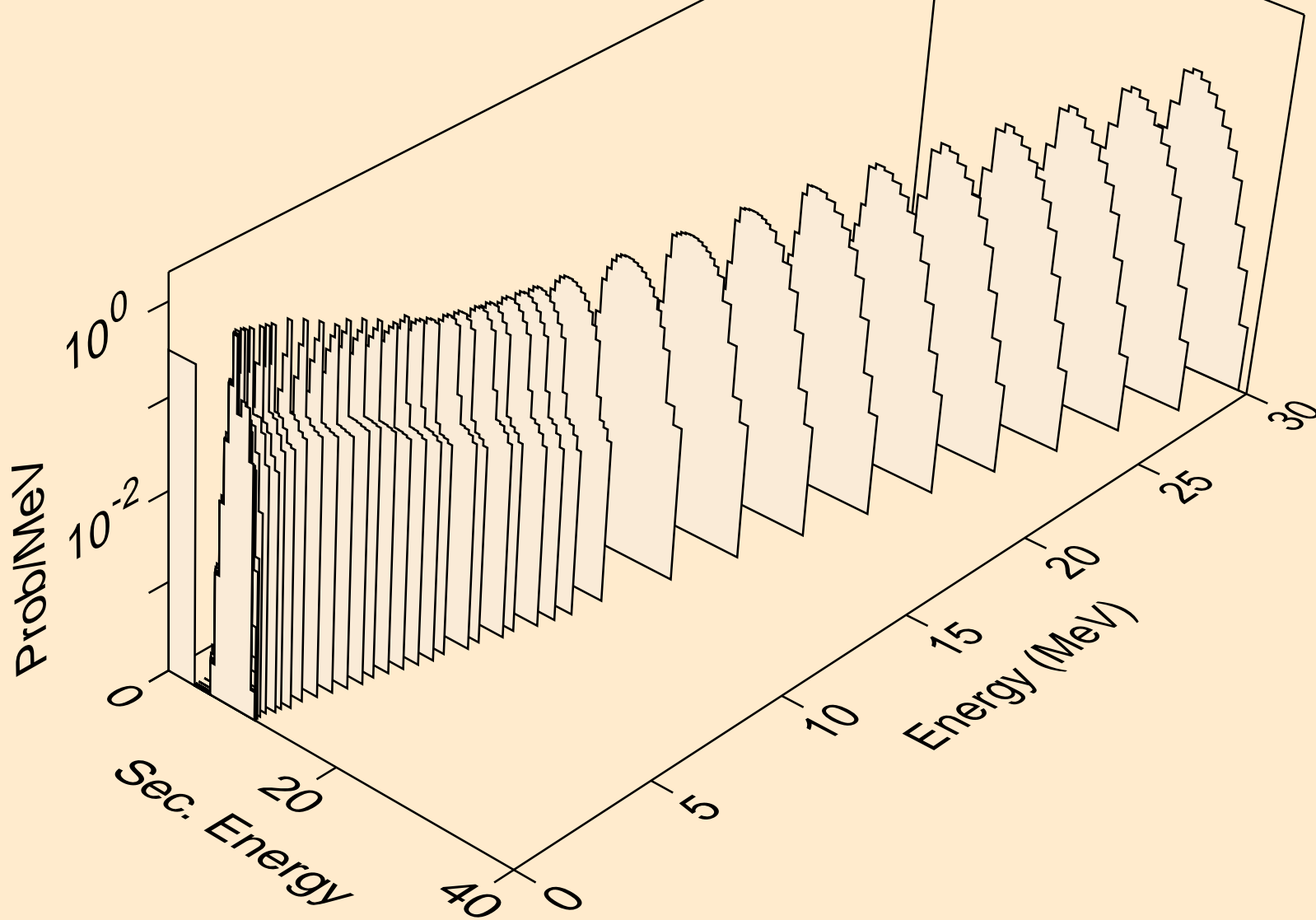
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alphas from (n,2n)2a



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

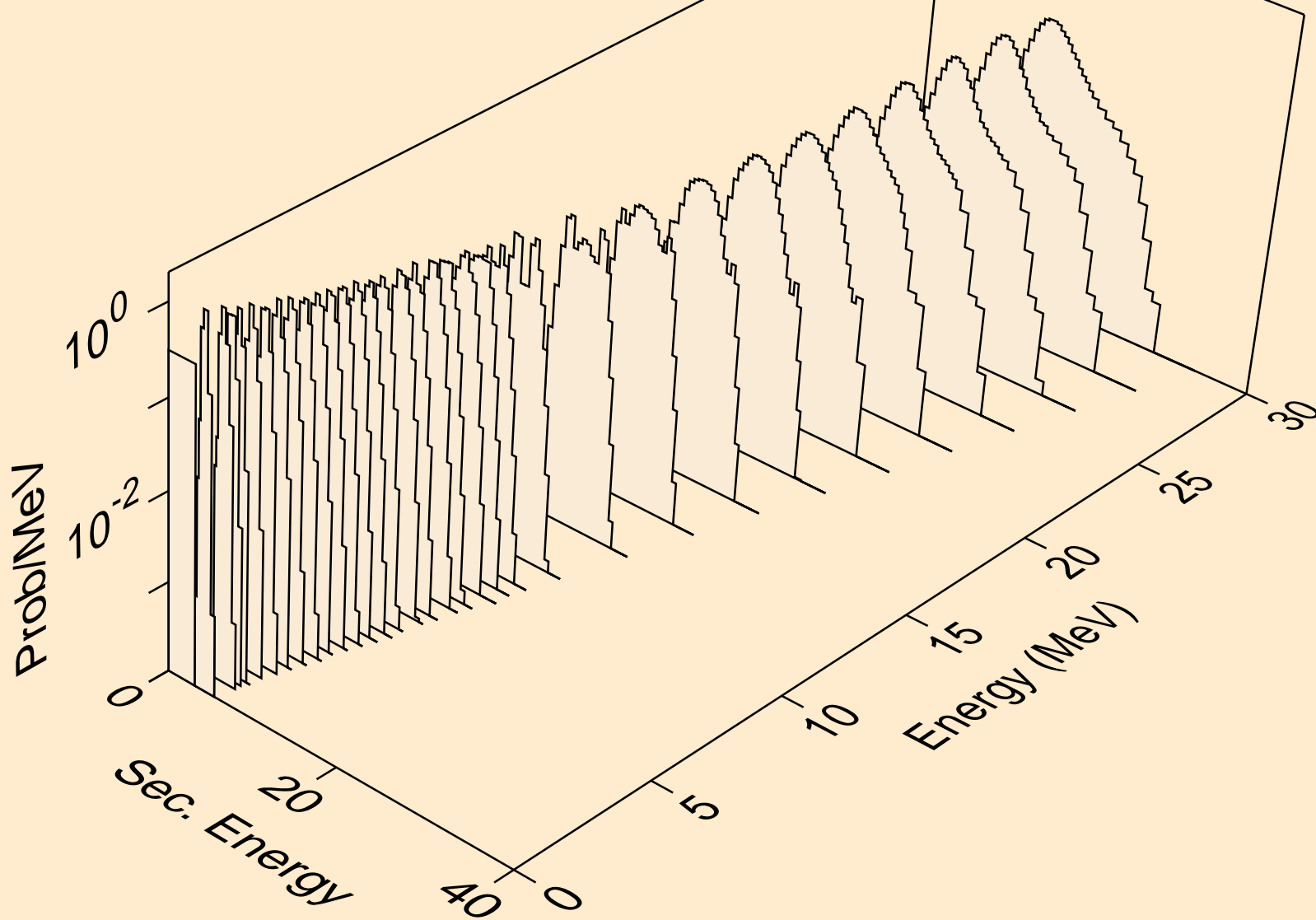


SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

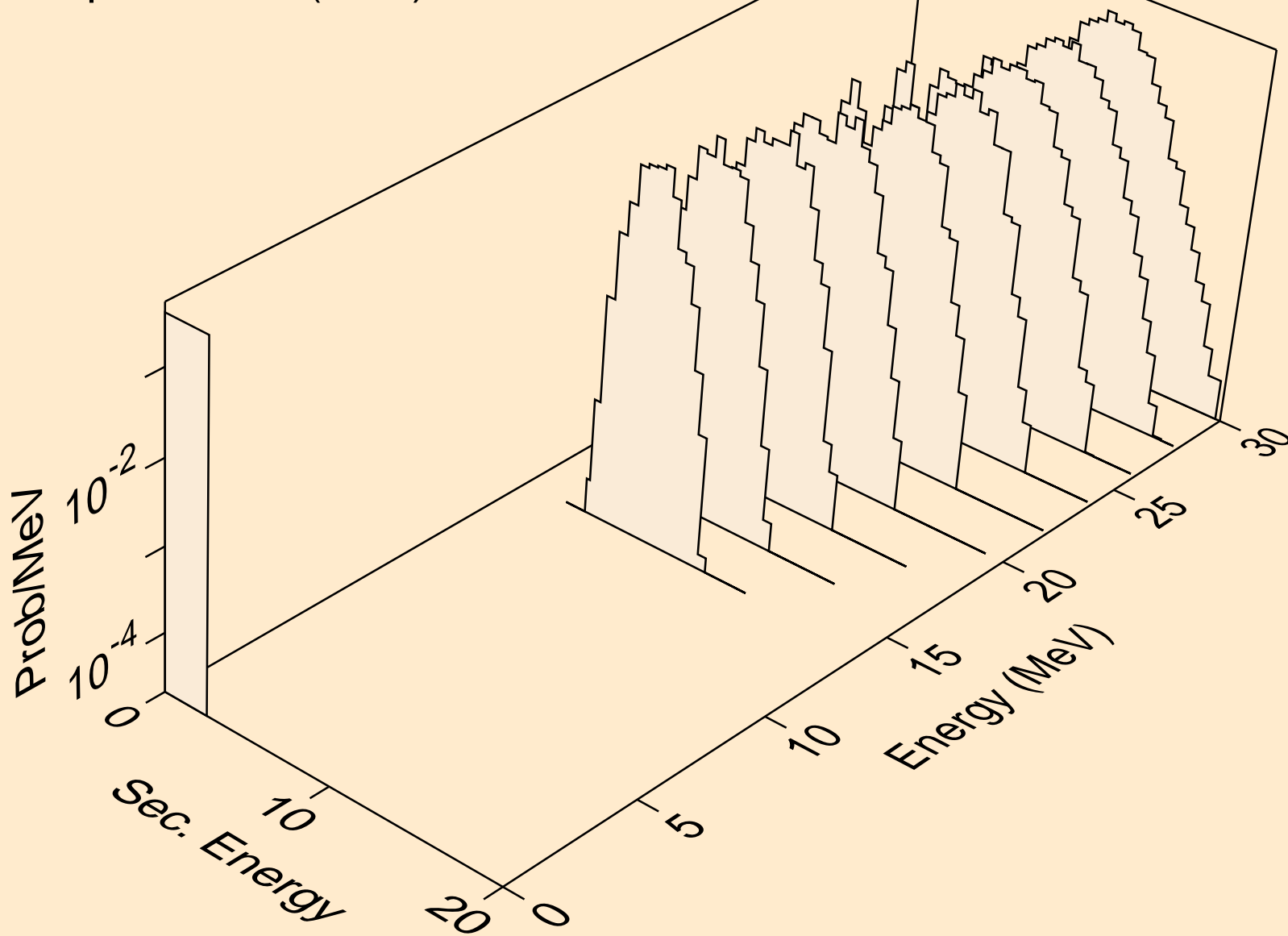




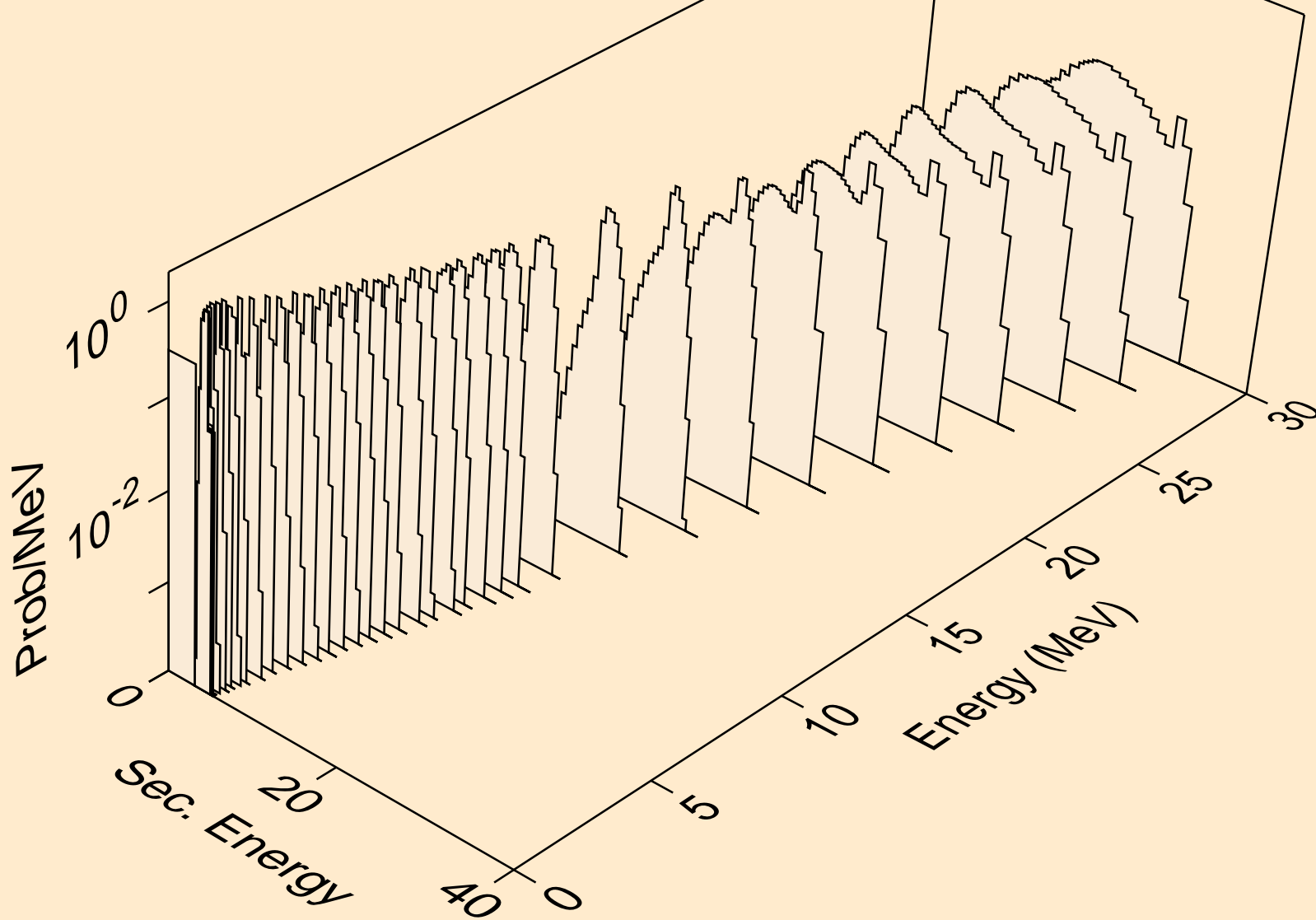
SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SB112 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

