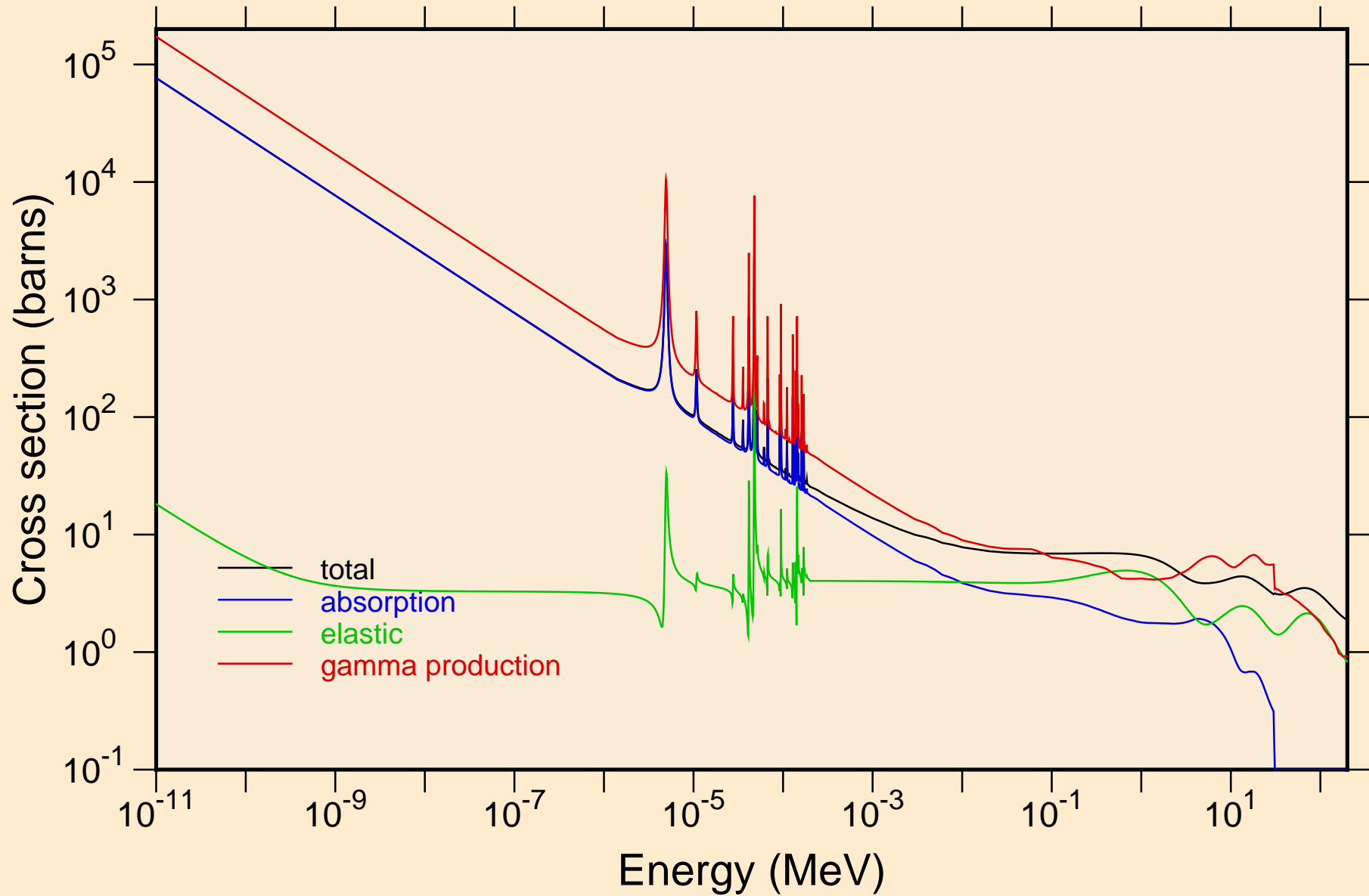
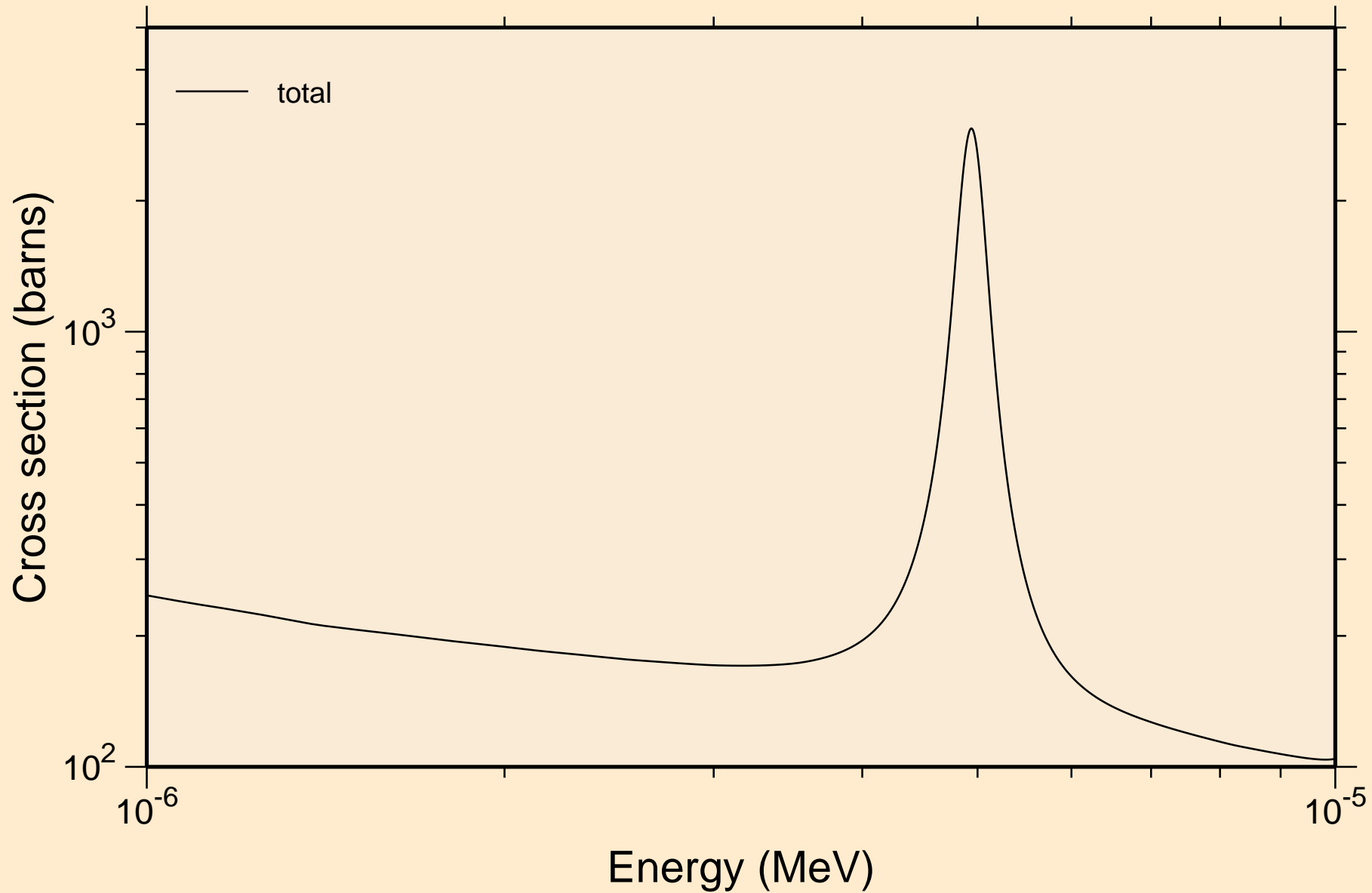


# SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

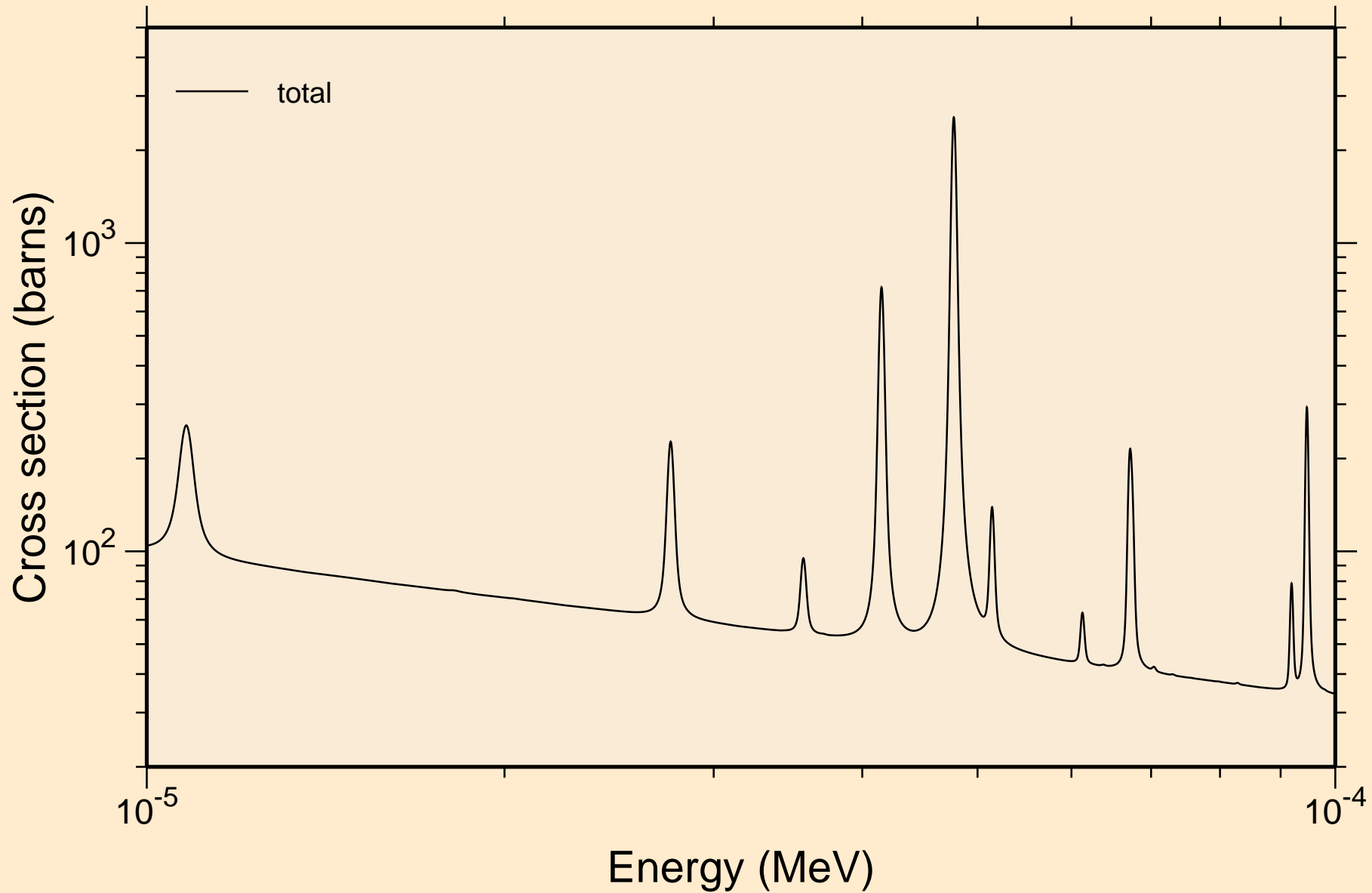
## Principal cross sections



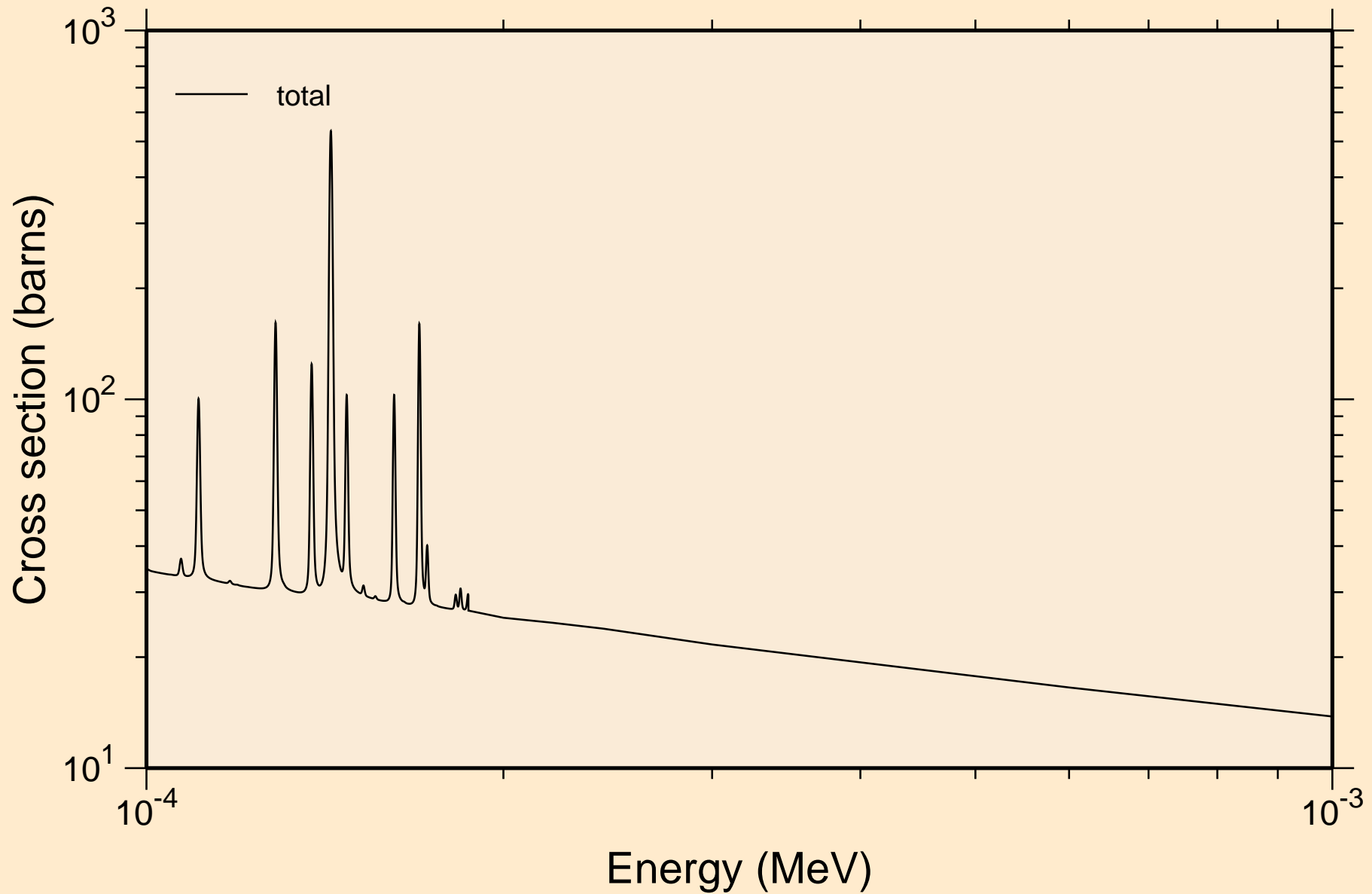
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



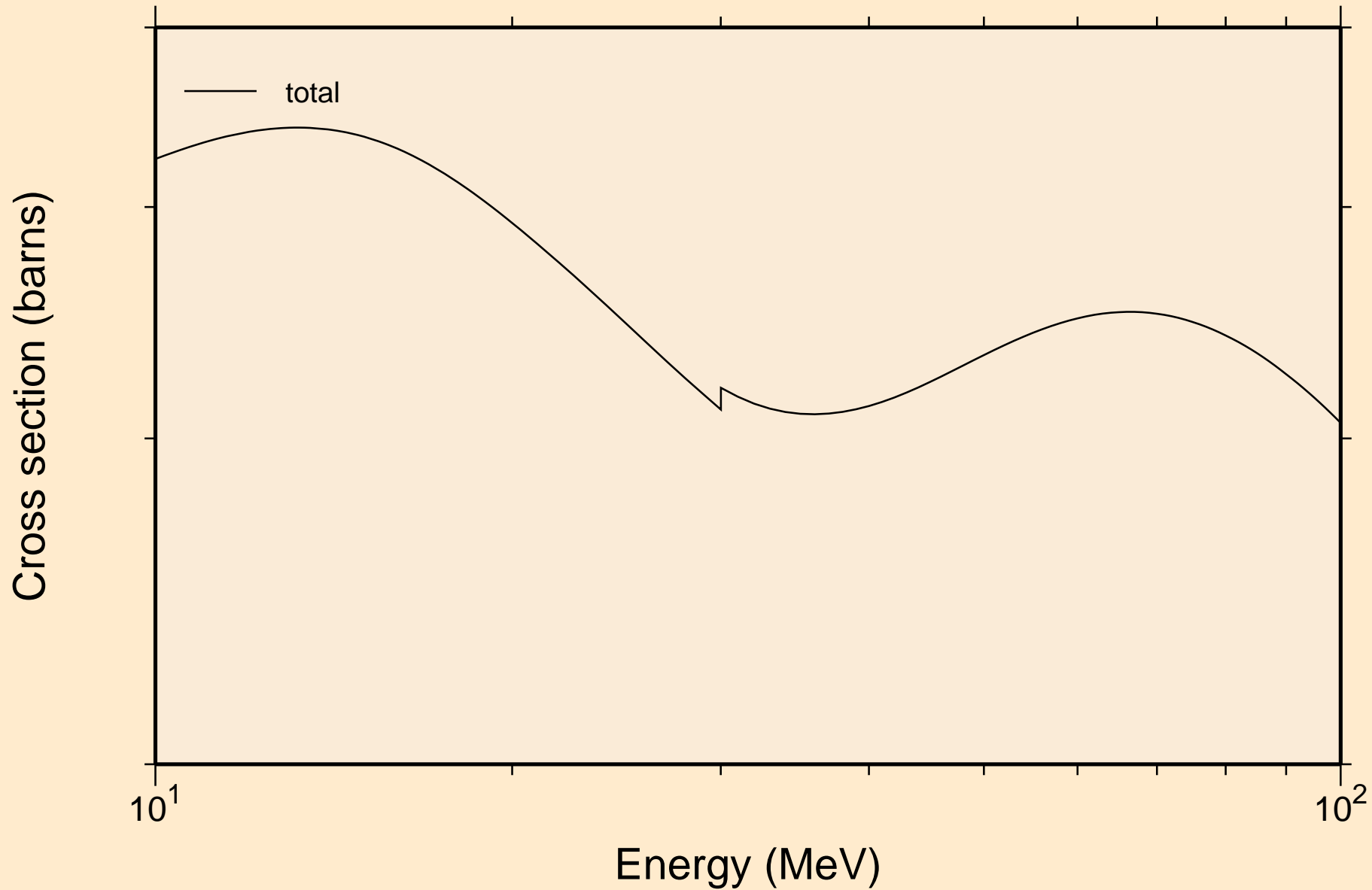
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



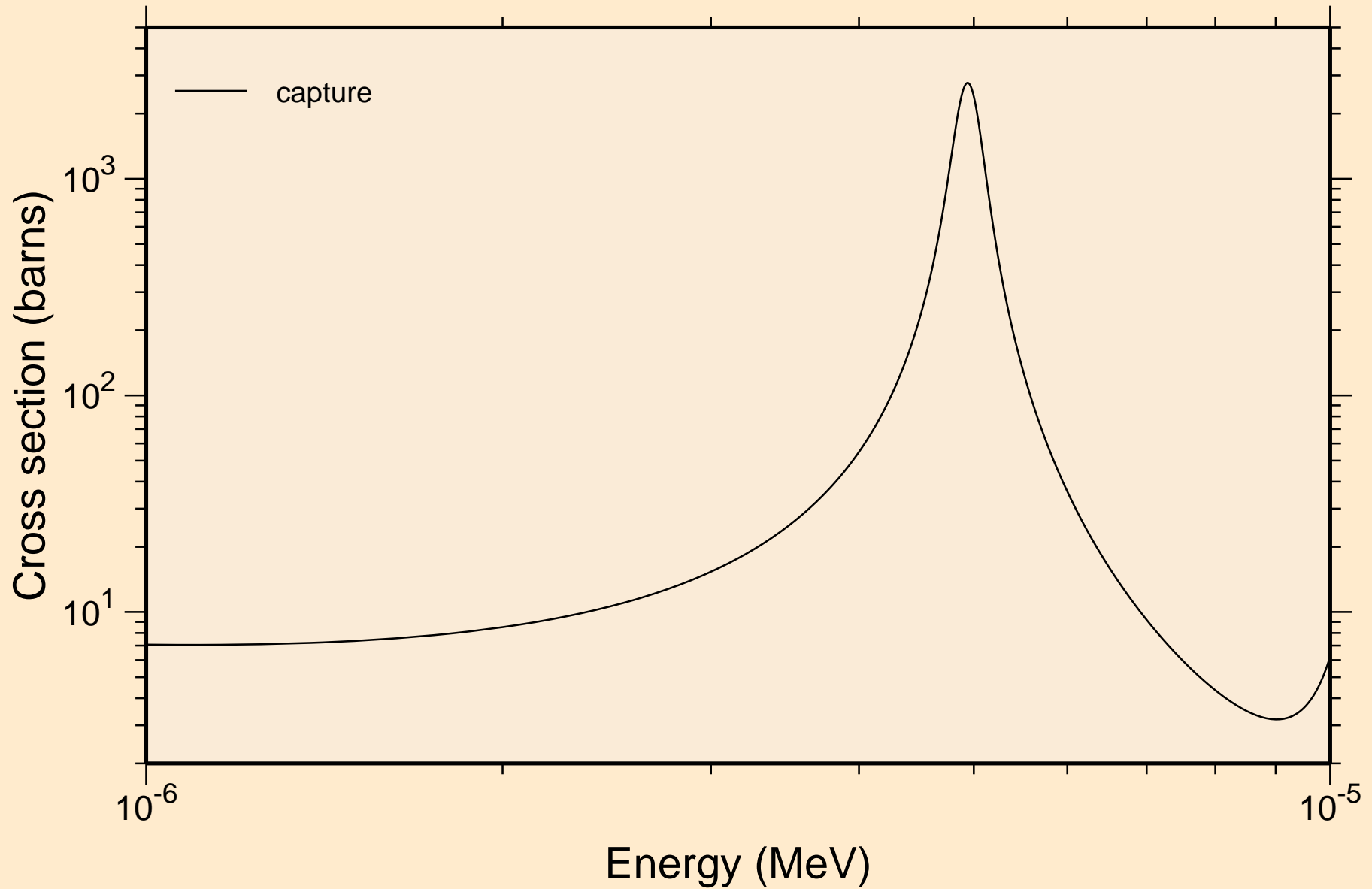
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



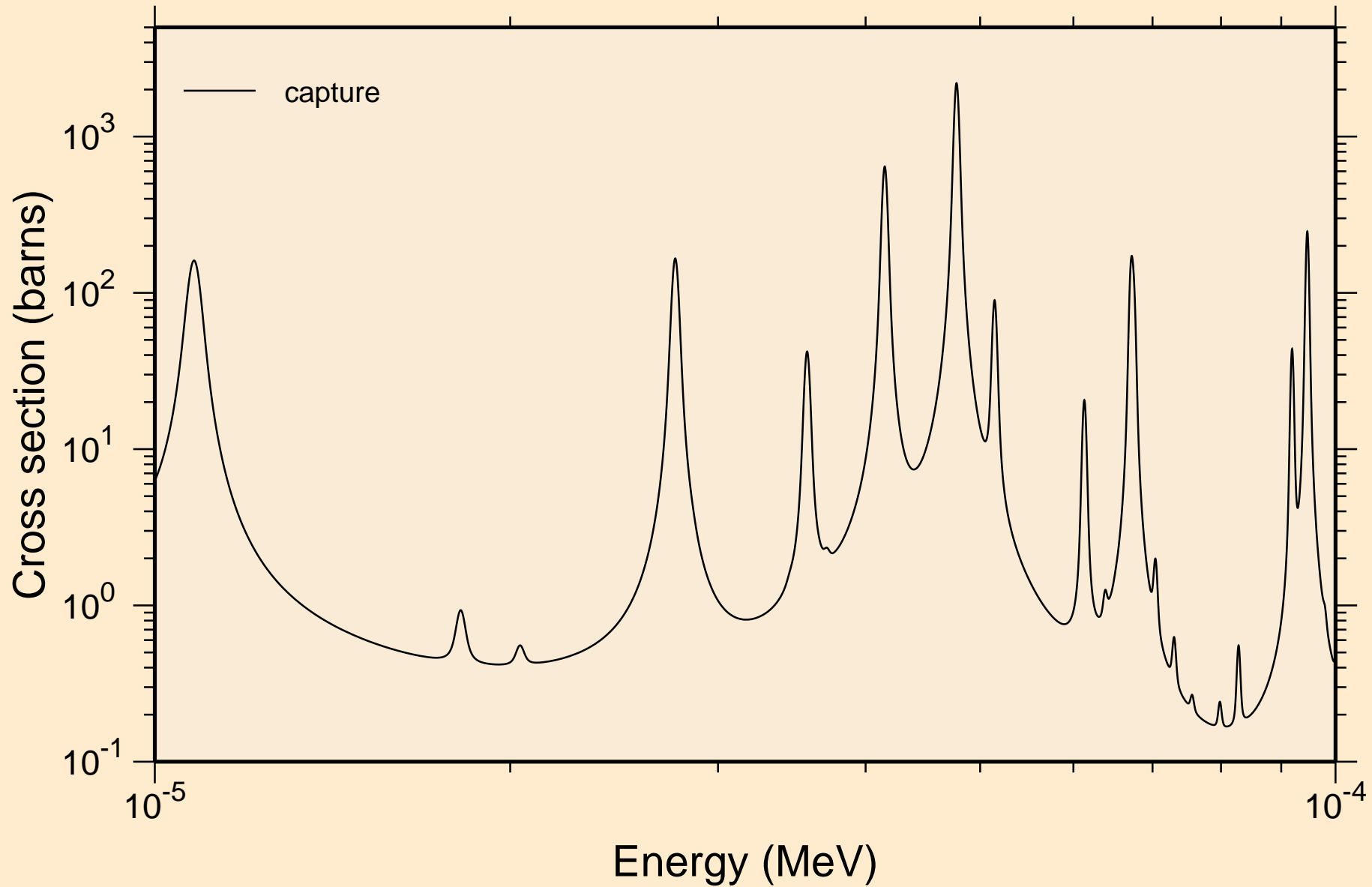
S $\bar{B}$ 109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



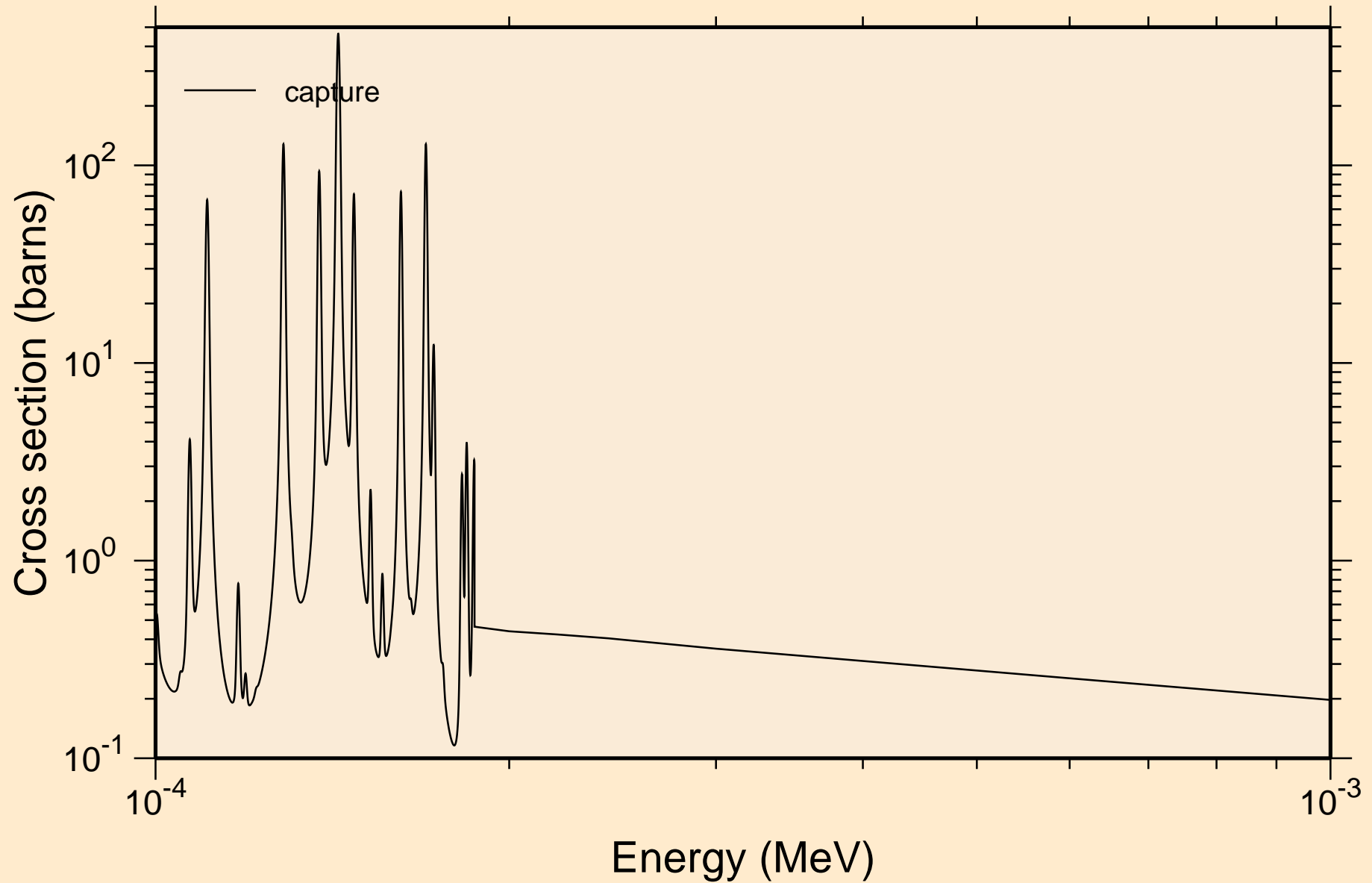
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

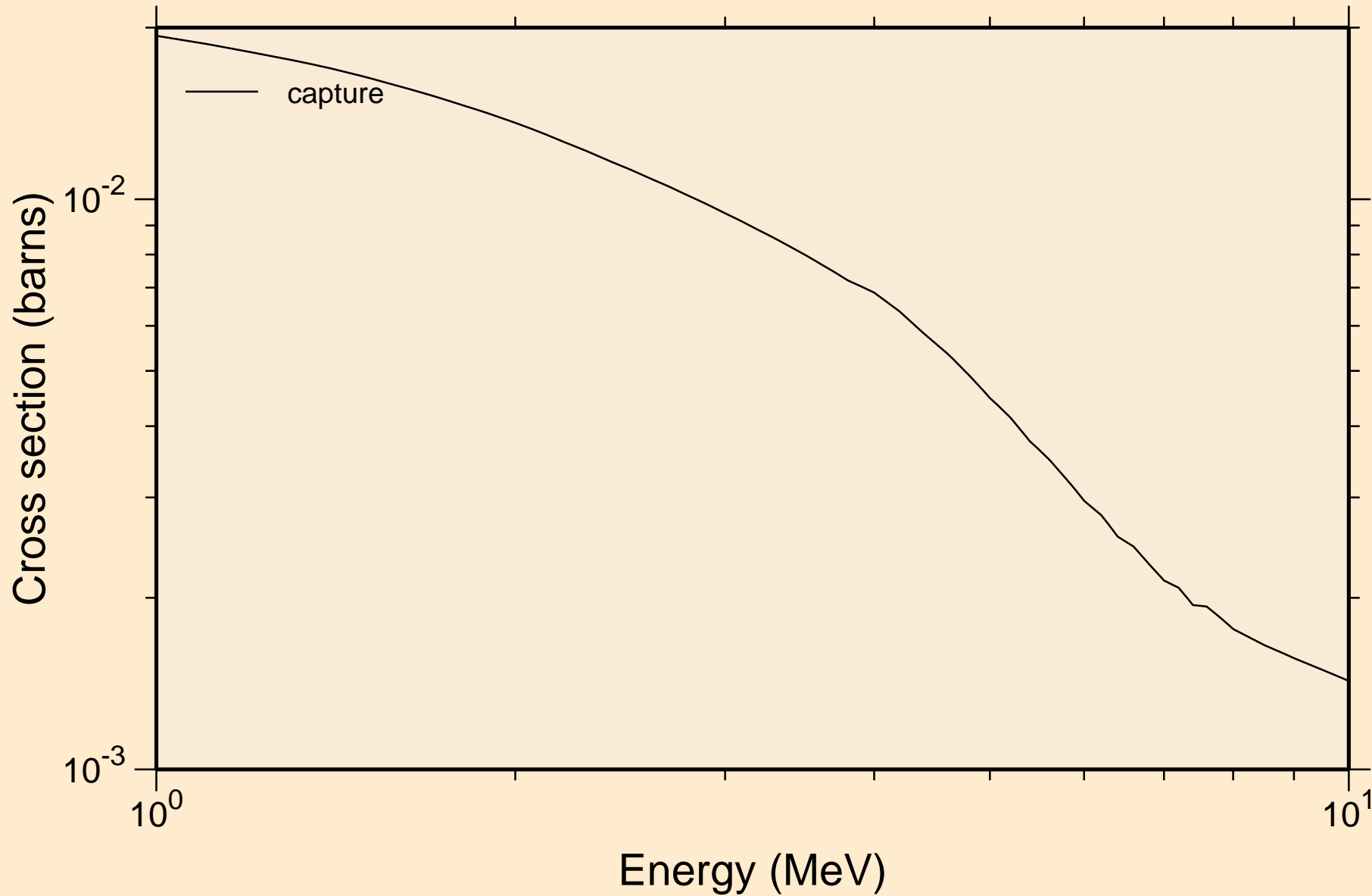


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

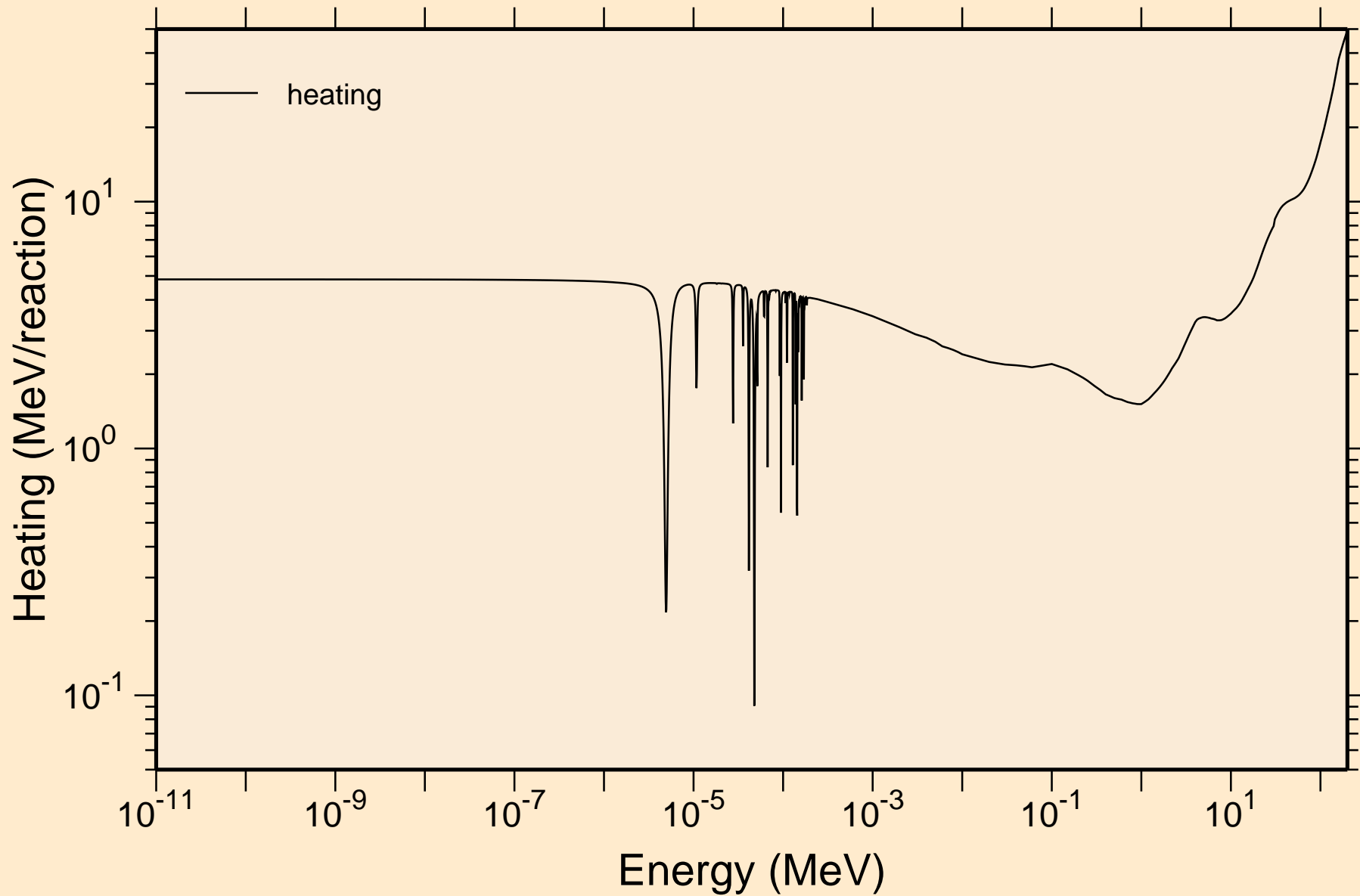




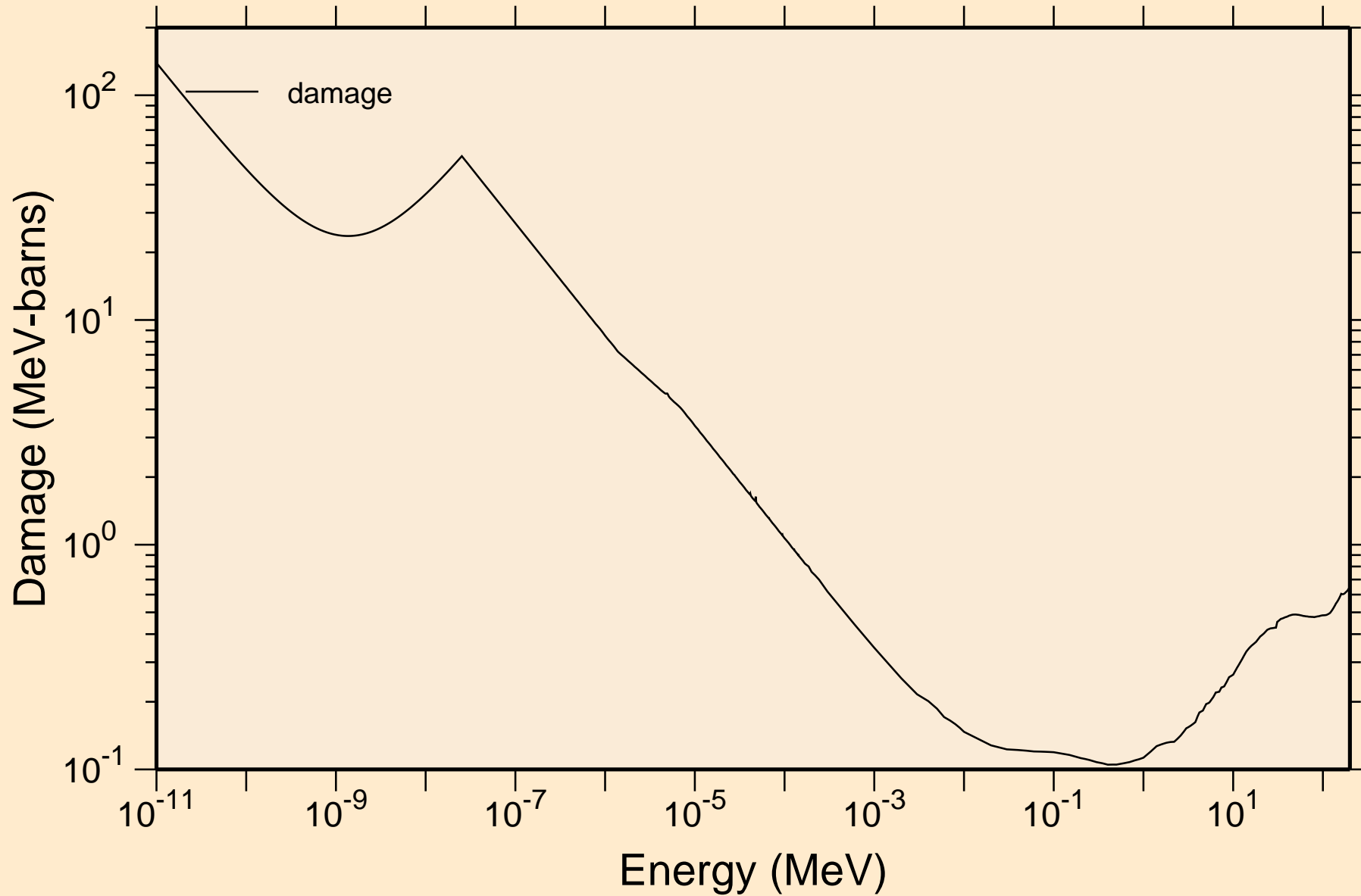
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

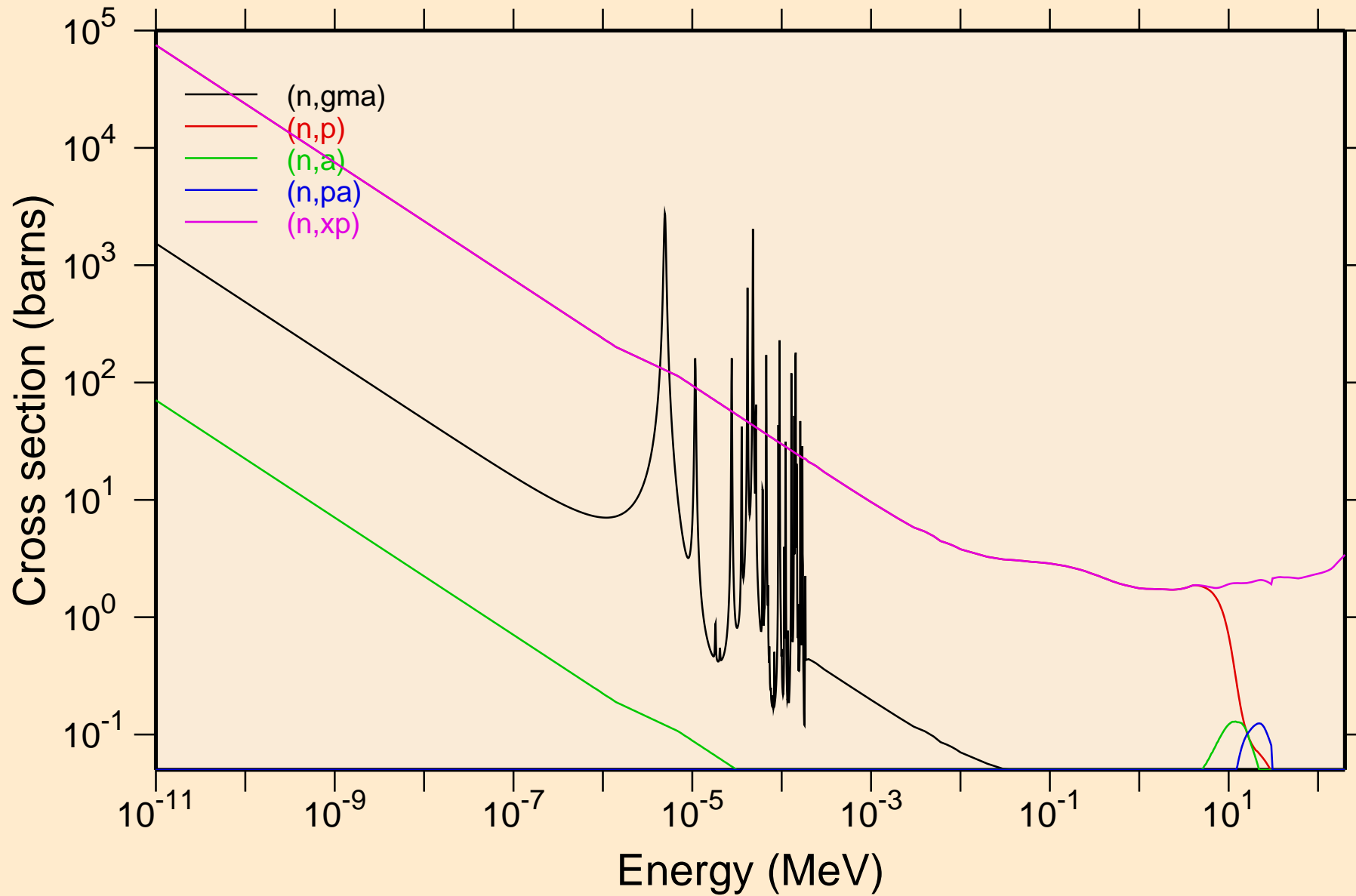


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

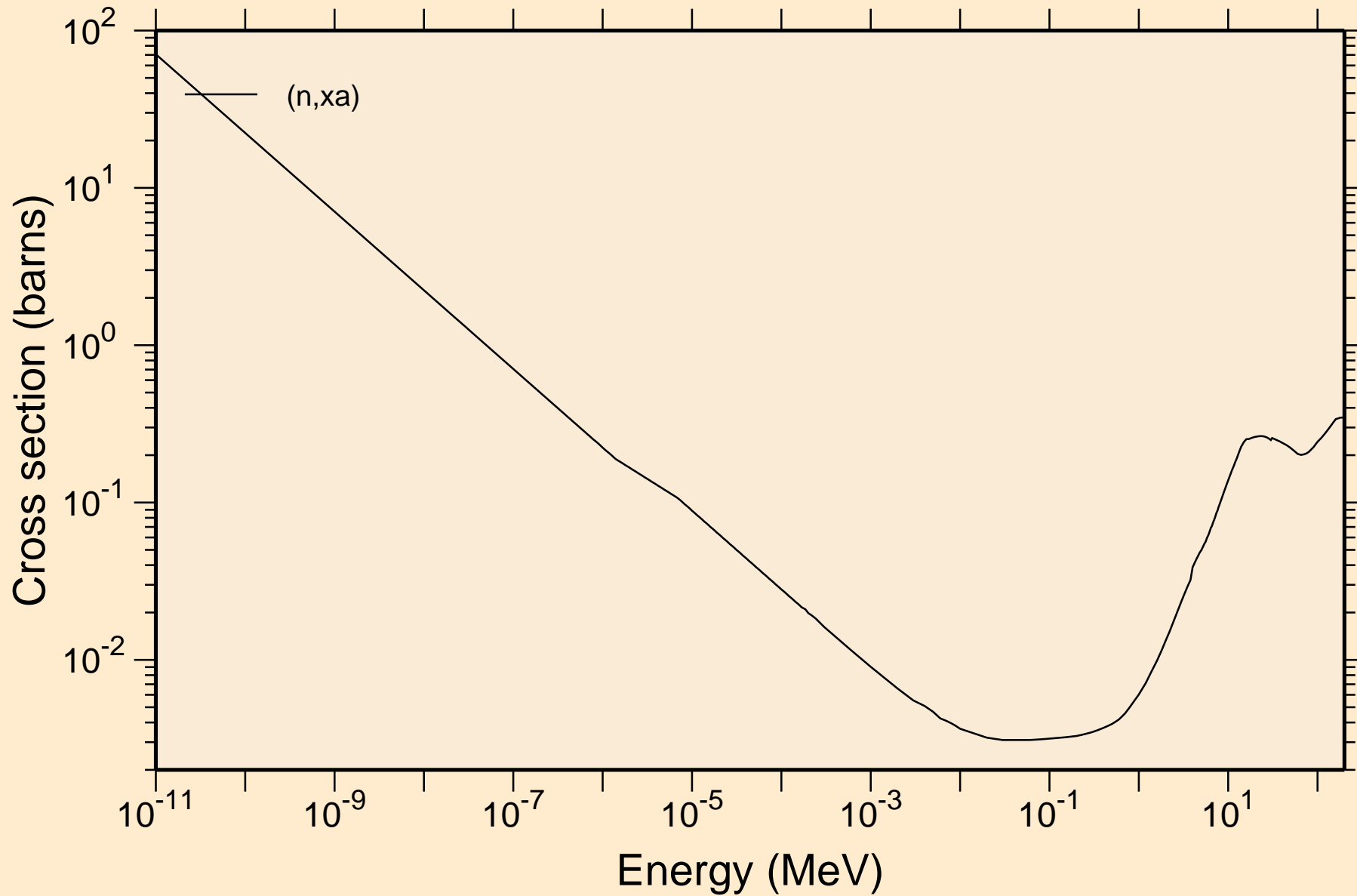


# SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

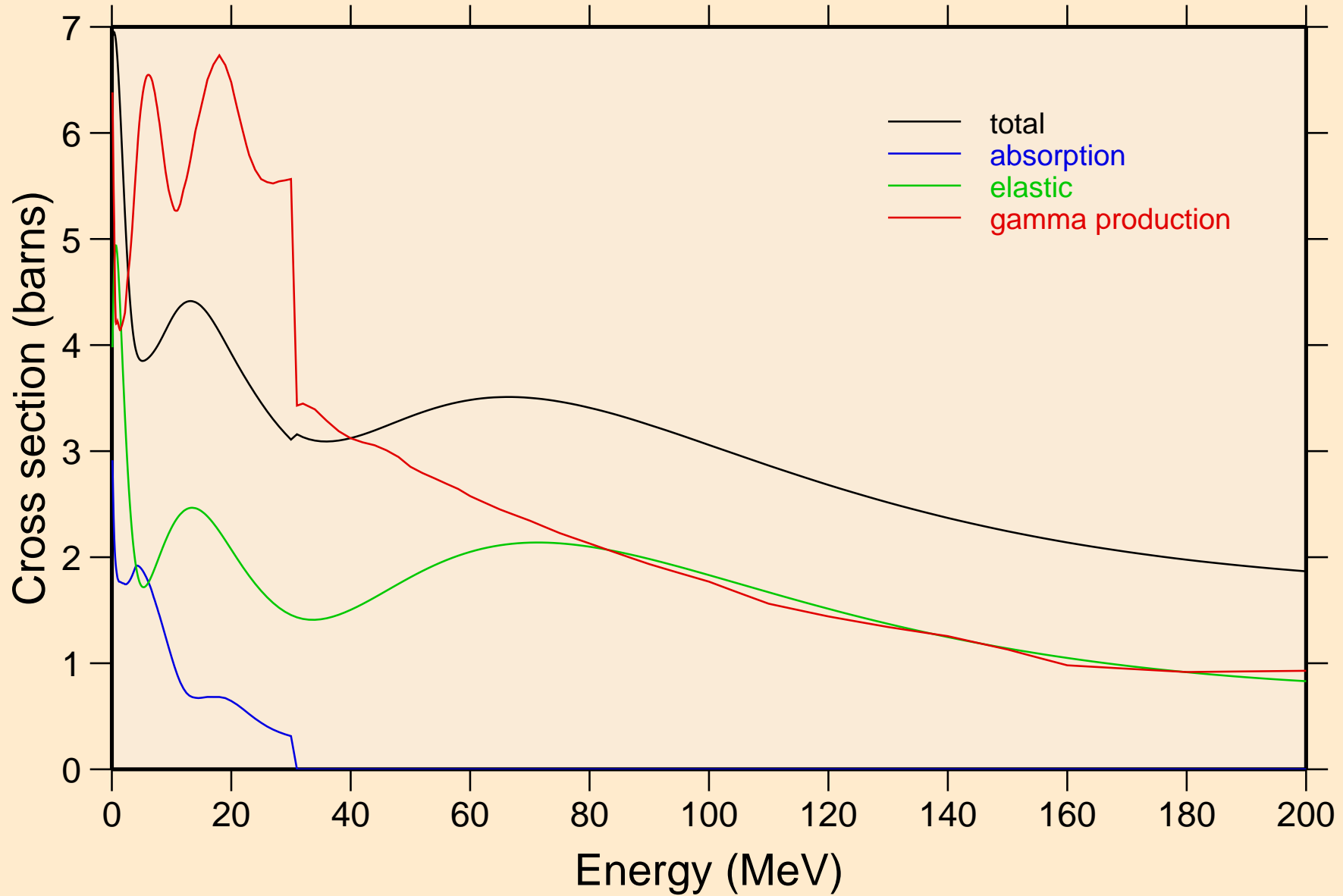
## Non-threshold reactions



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

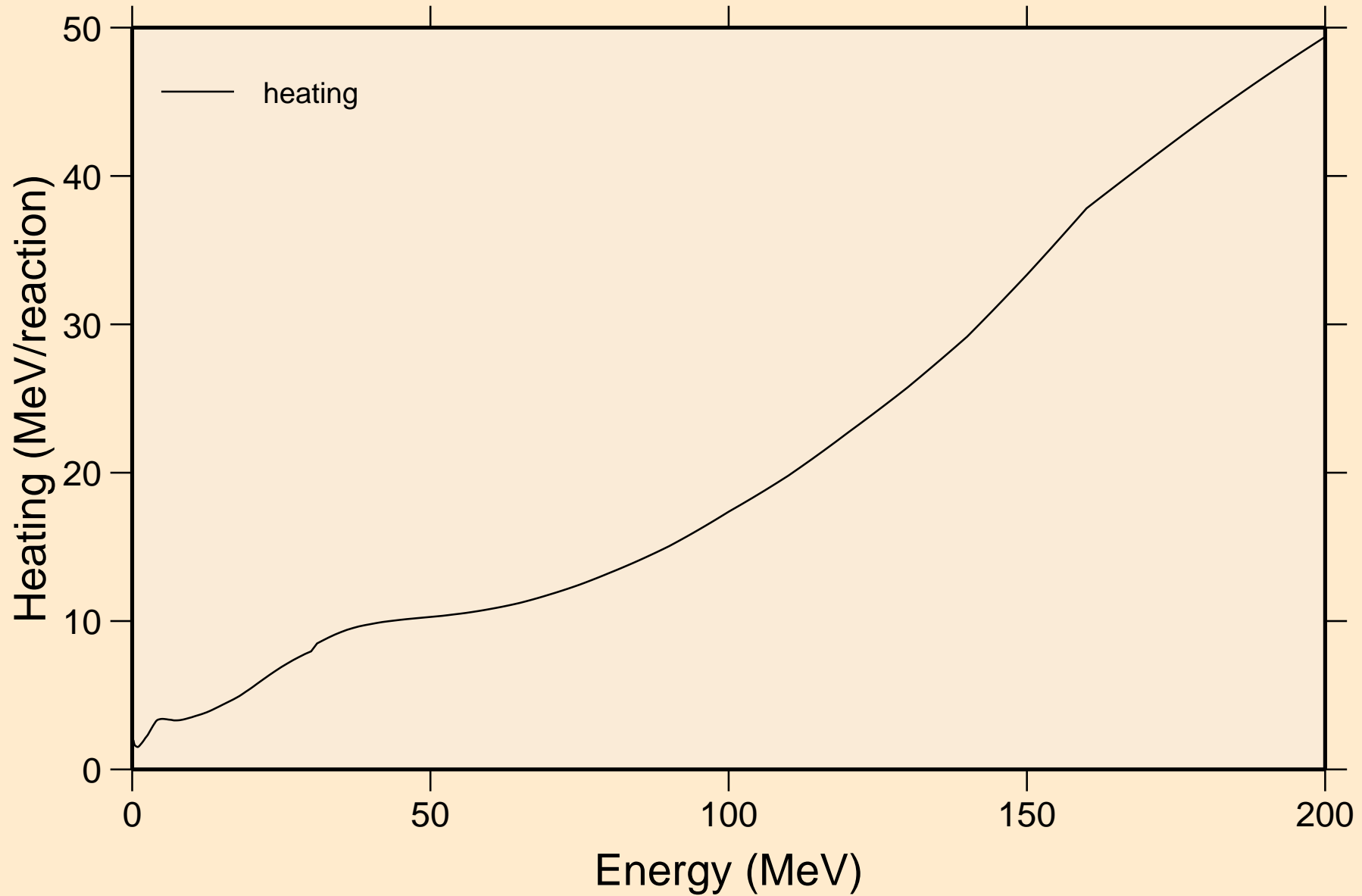


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

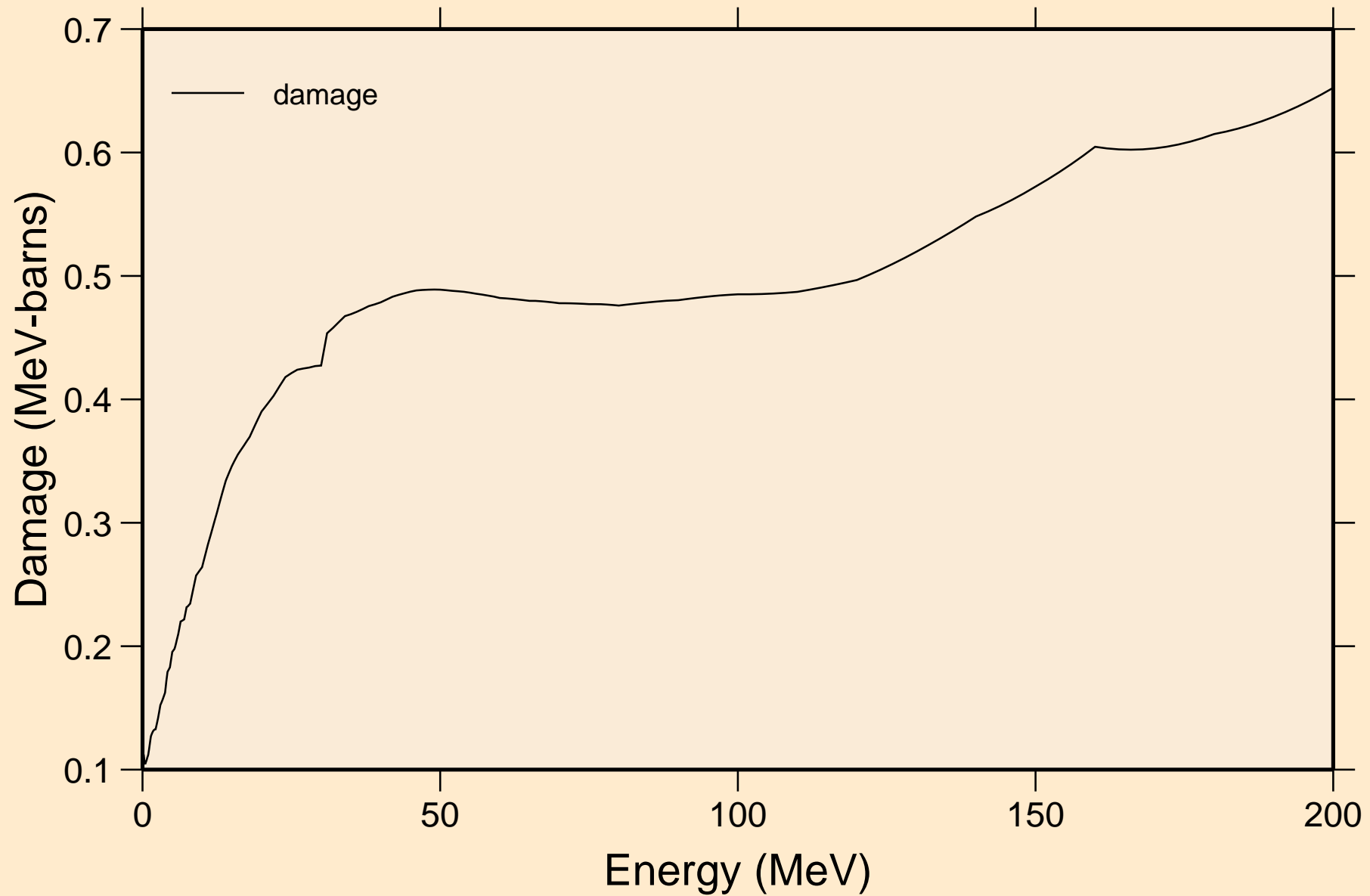


# SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

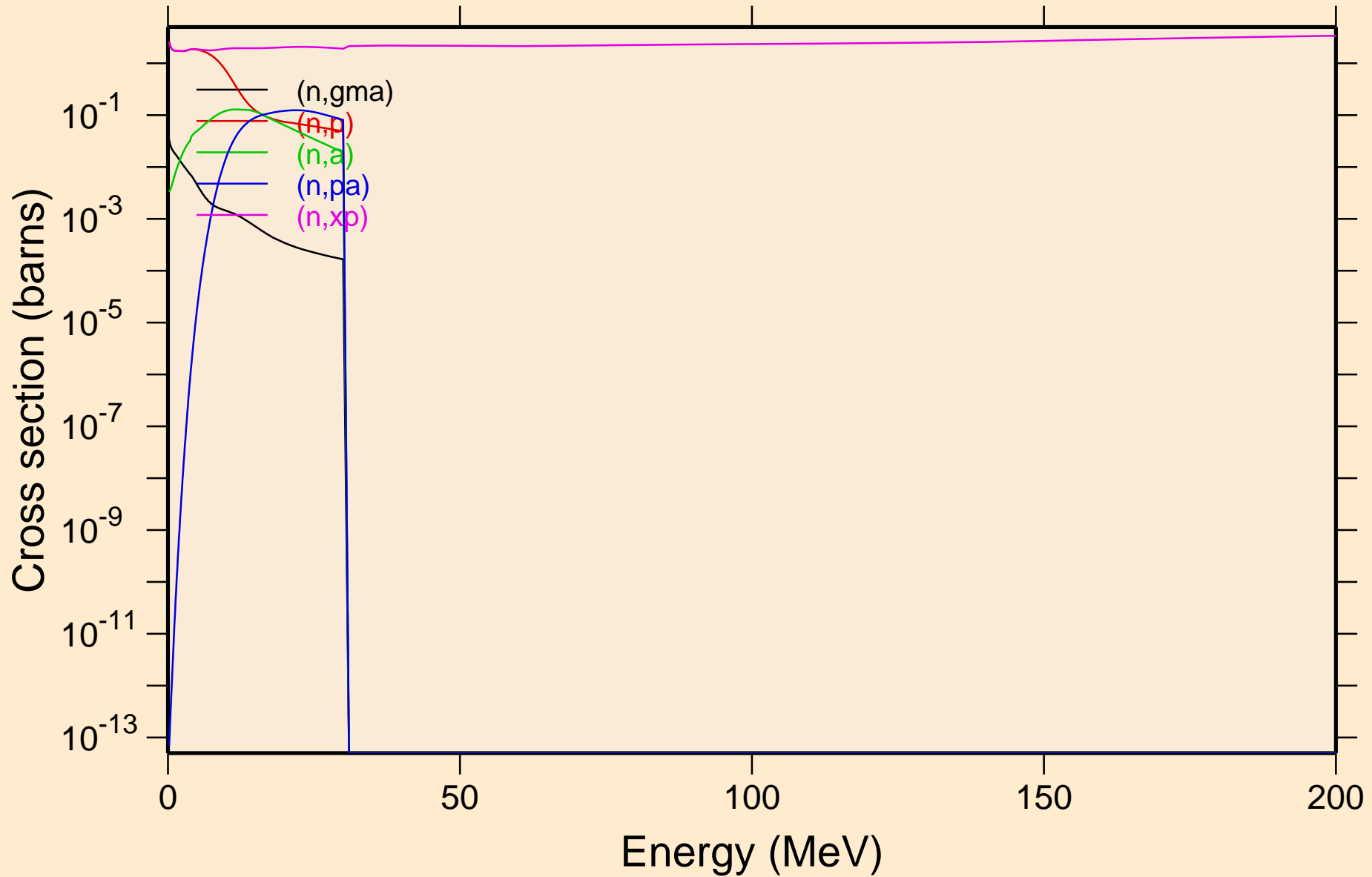


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

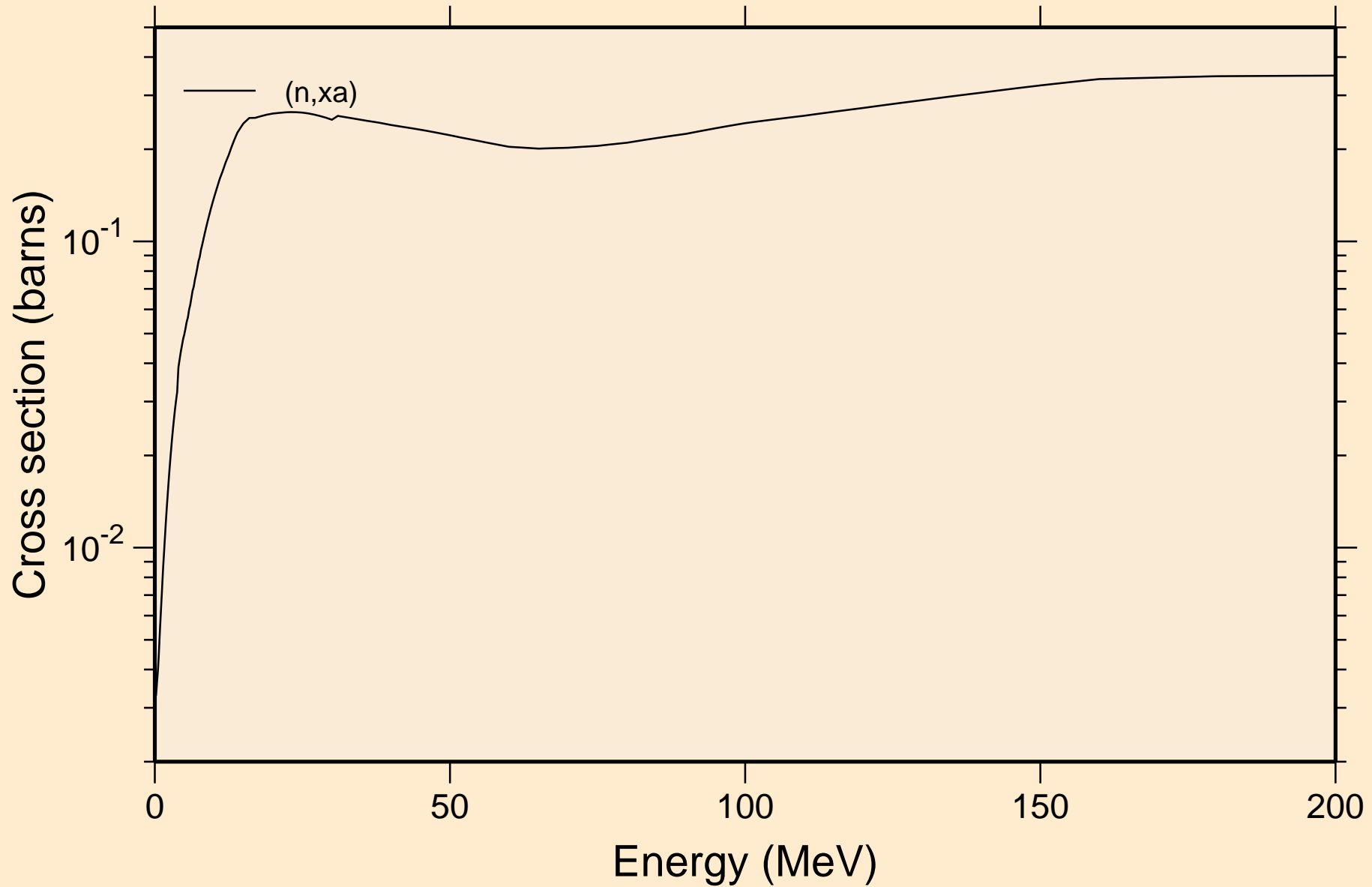




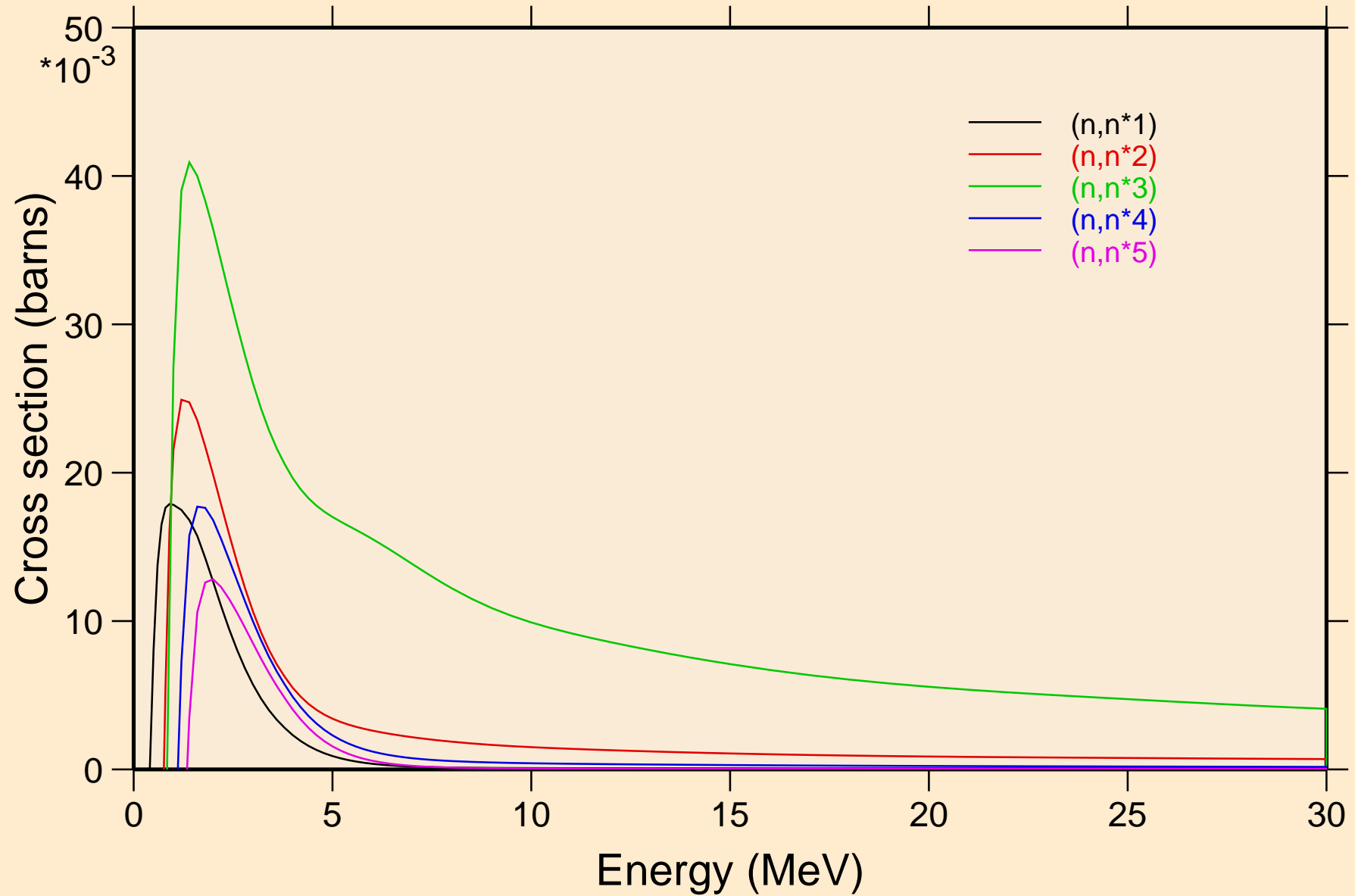
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



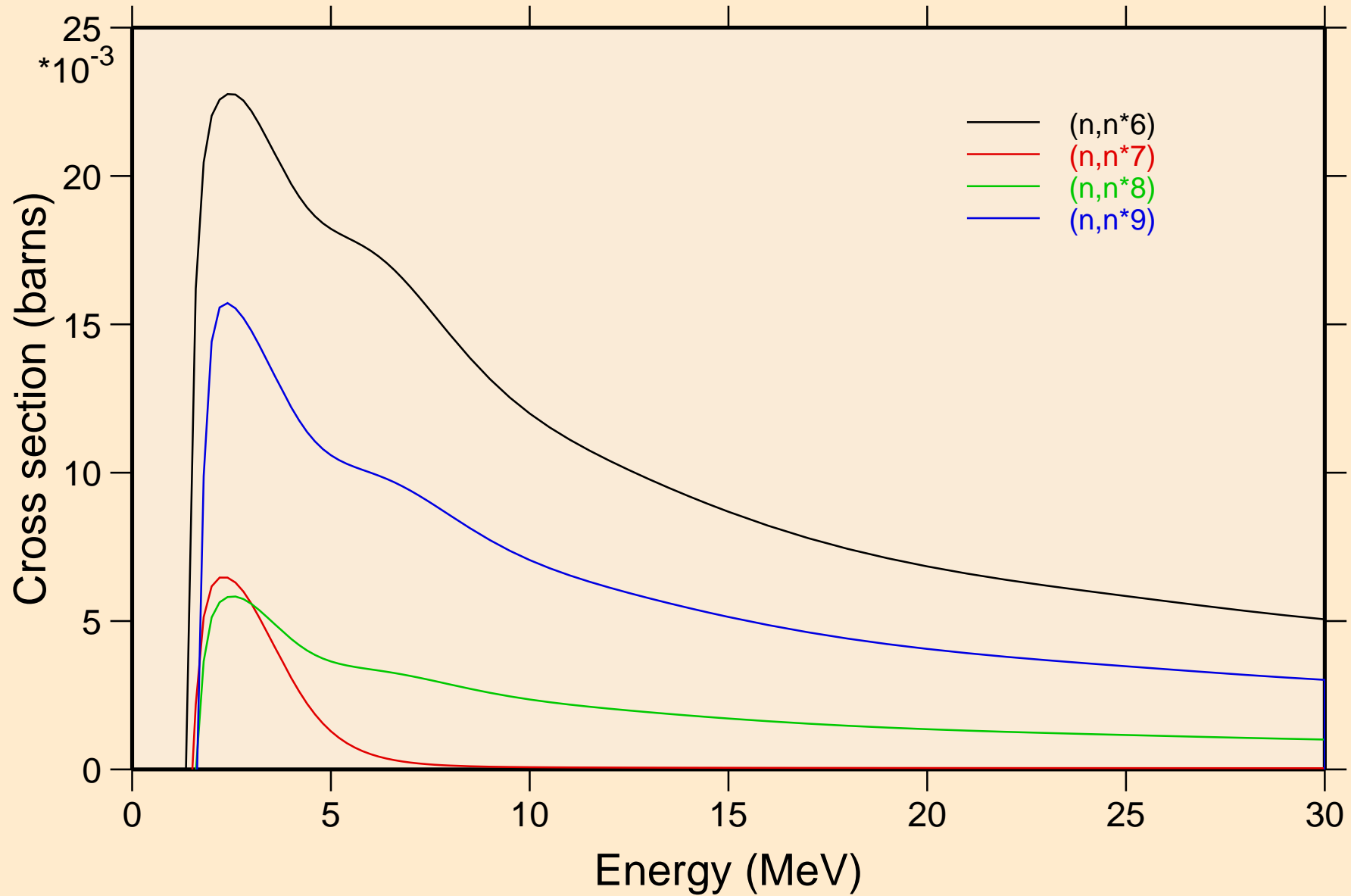
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



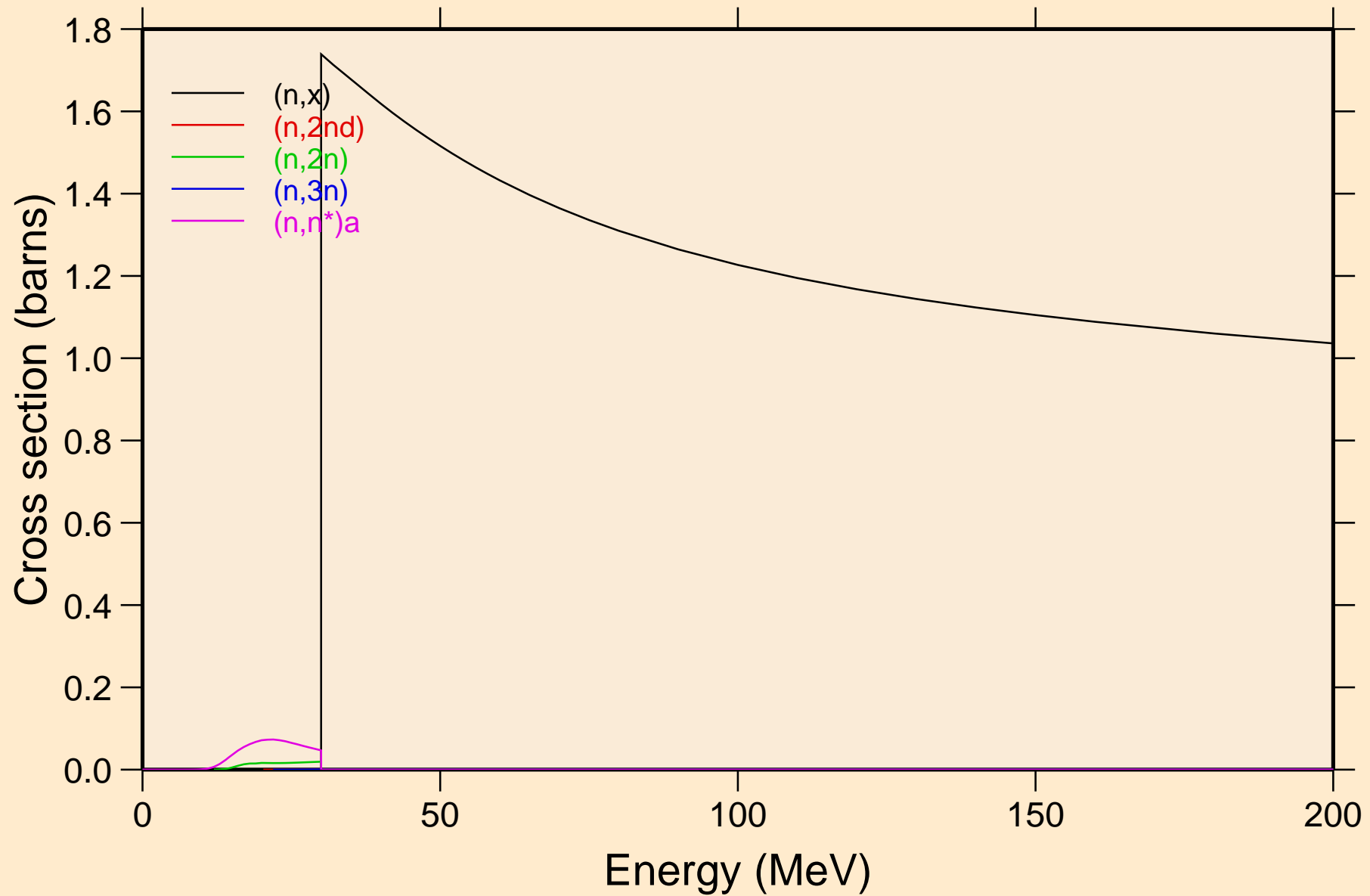
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



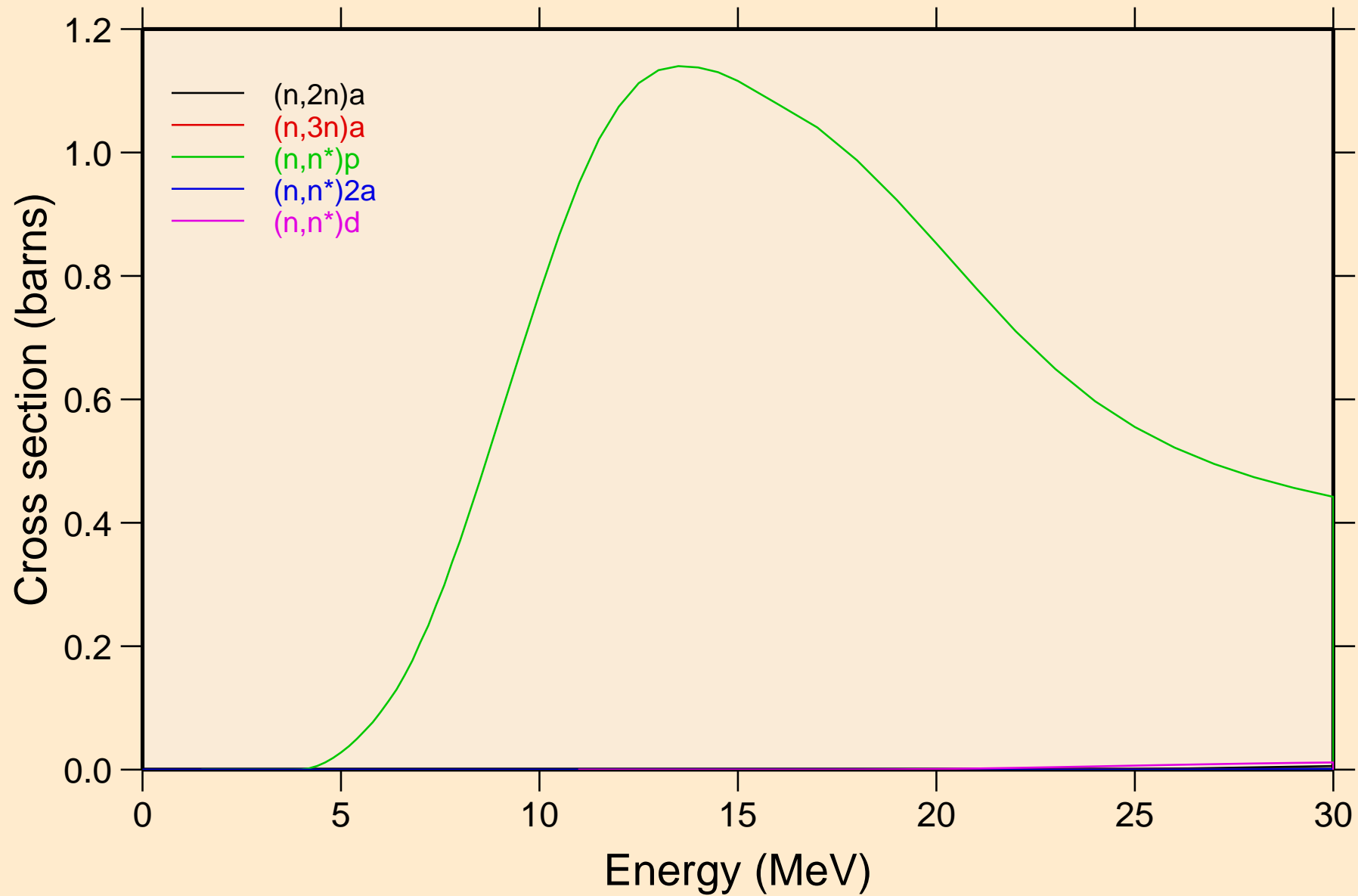
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



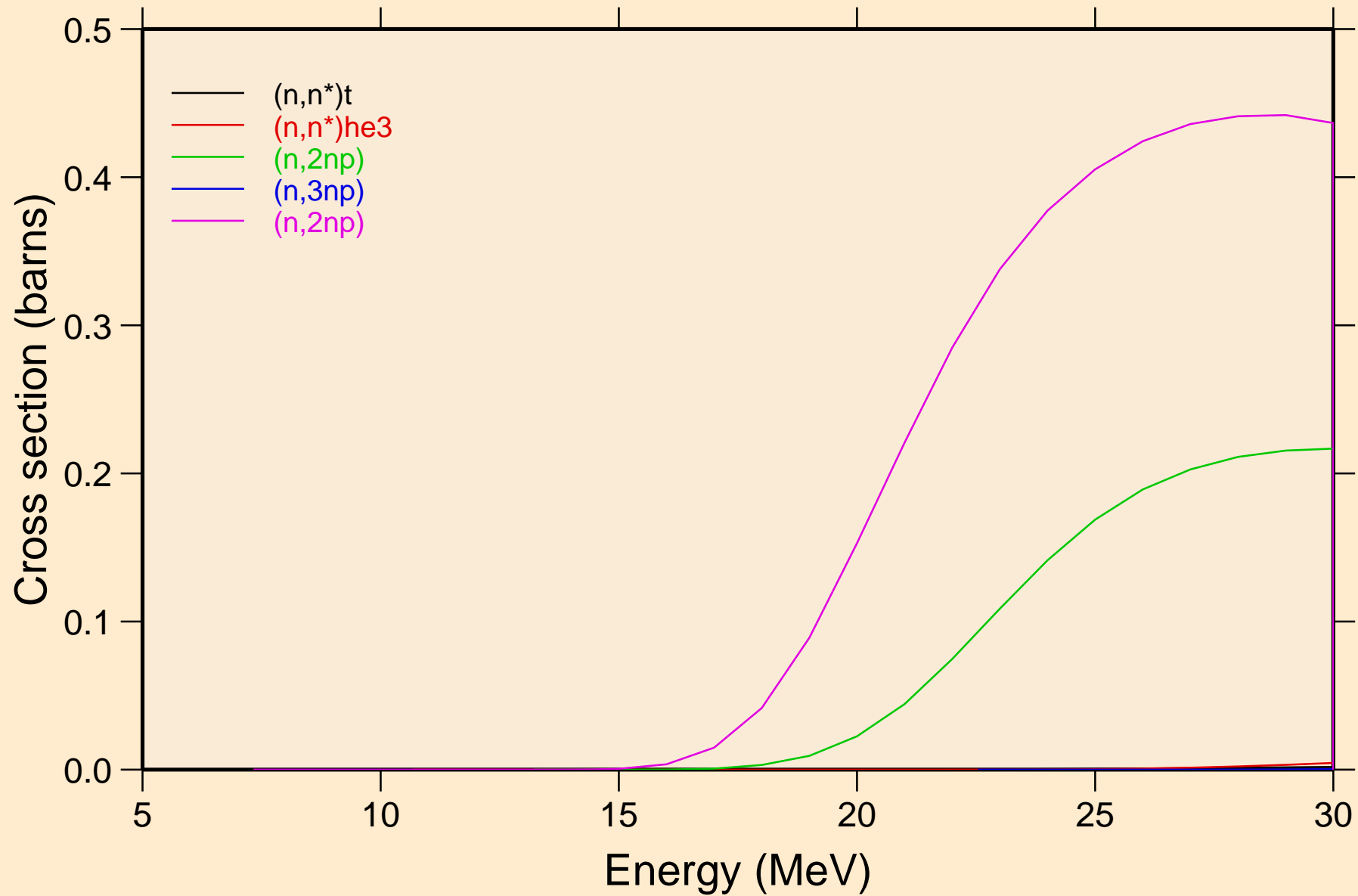
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

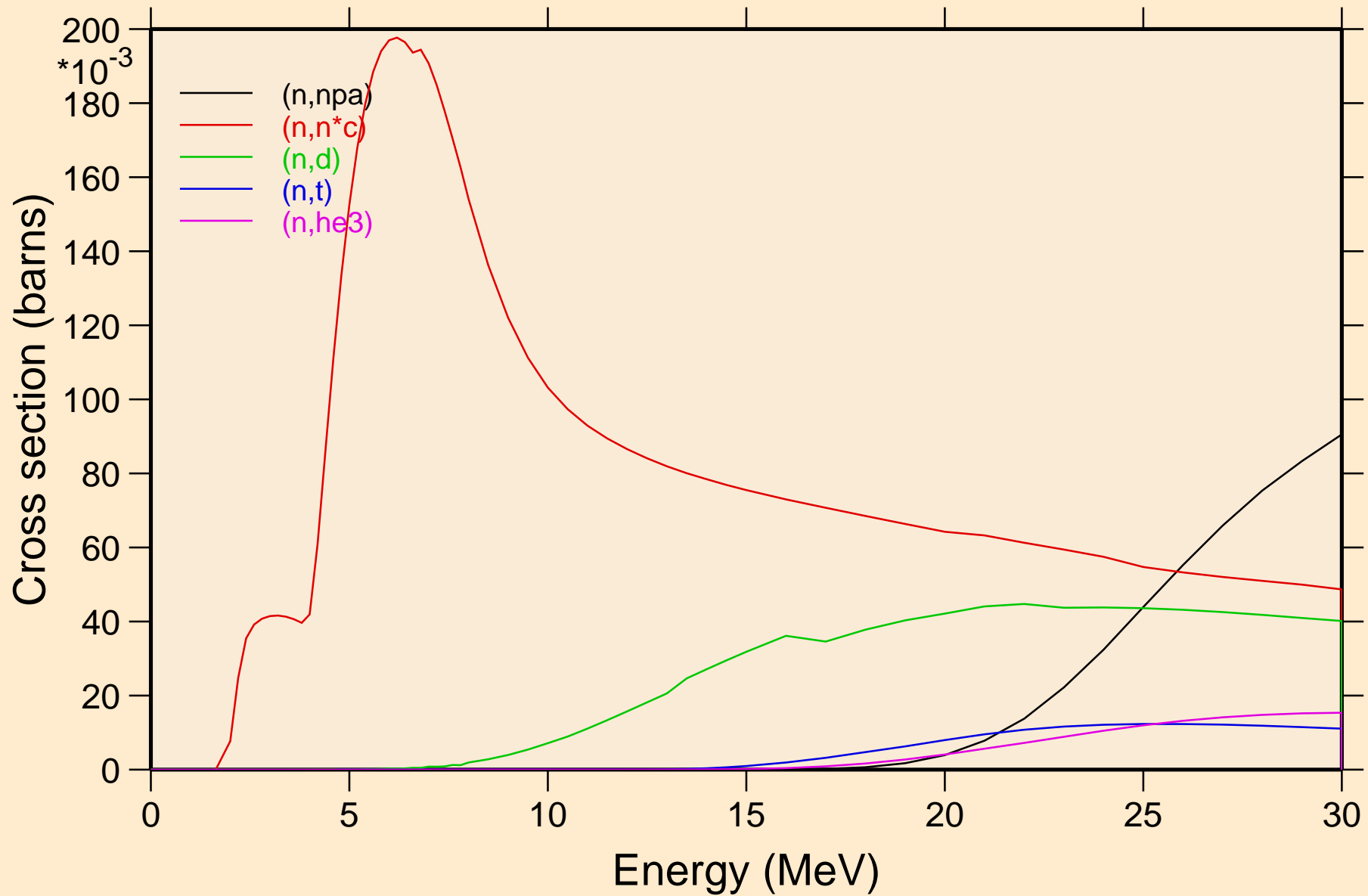


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



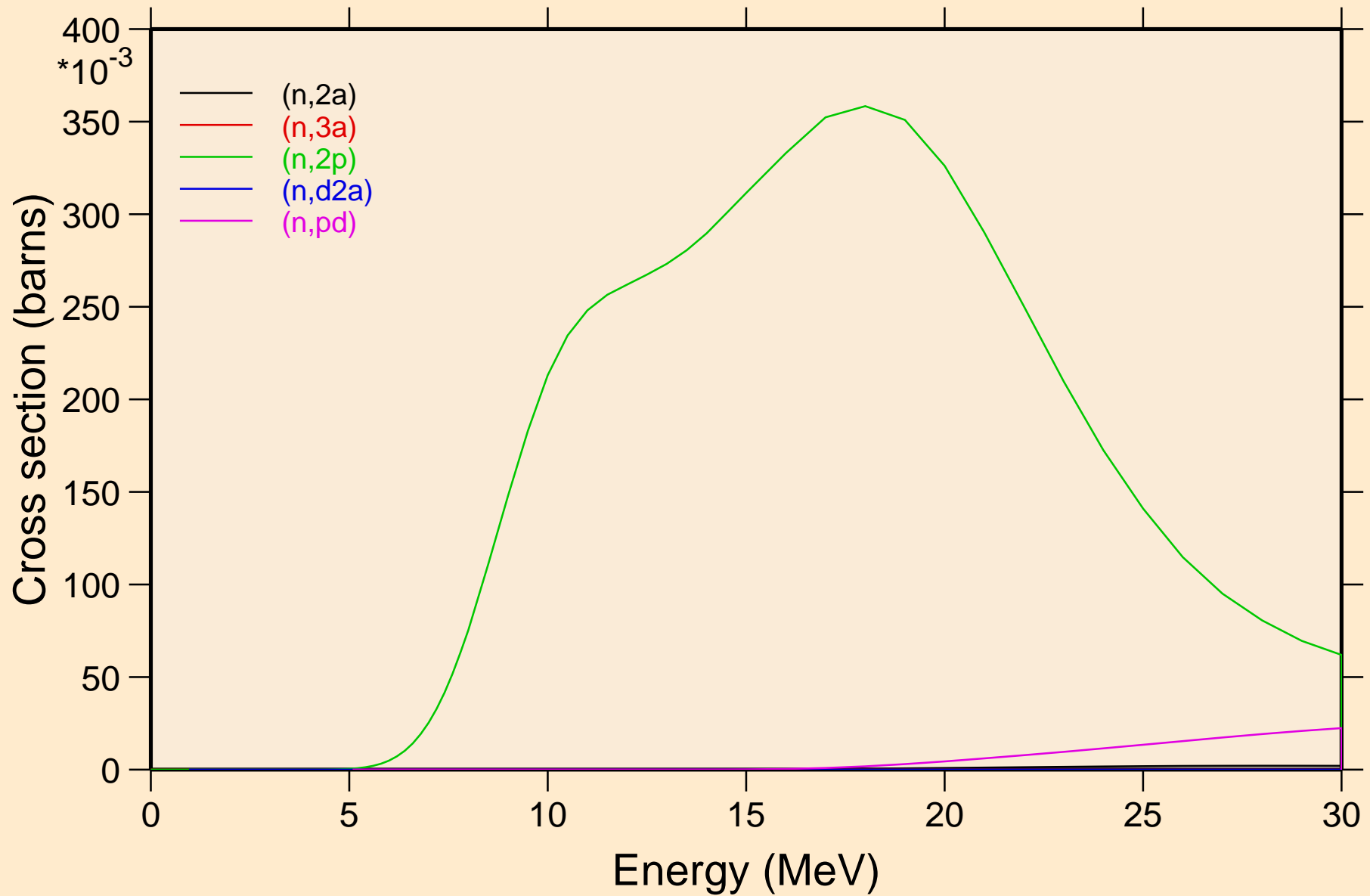
# SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

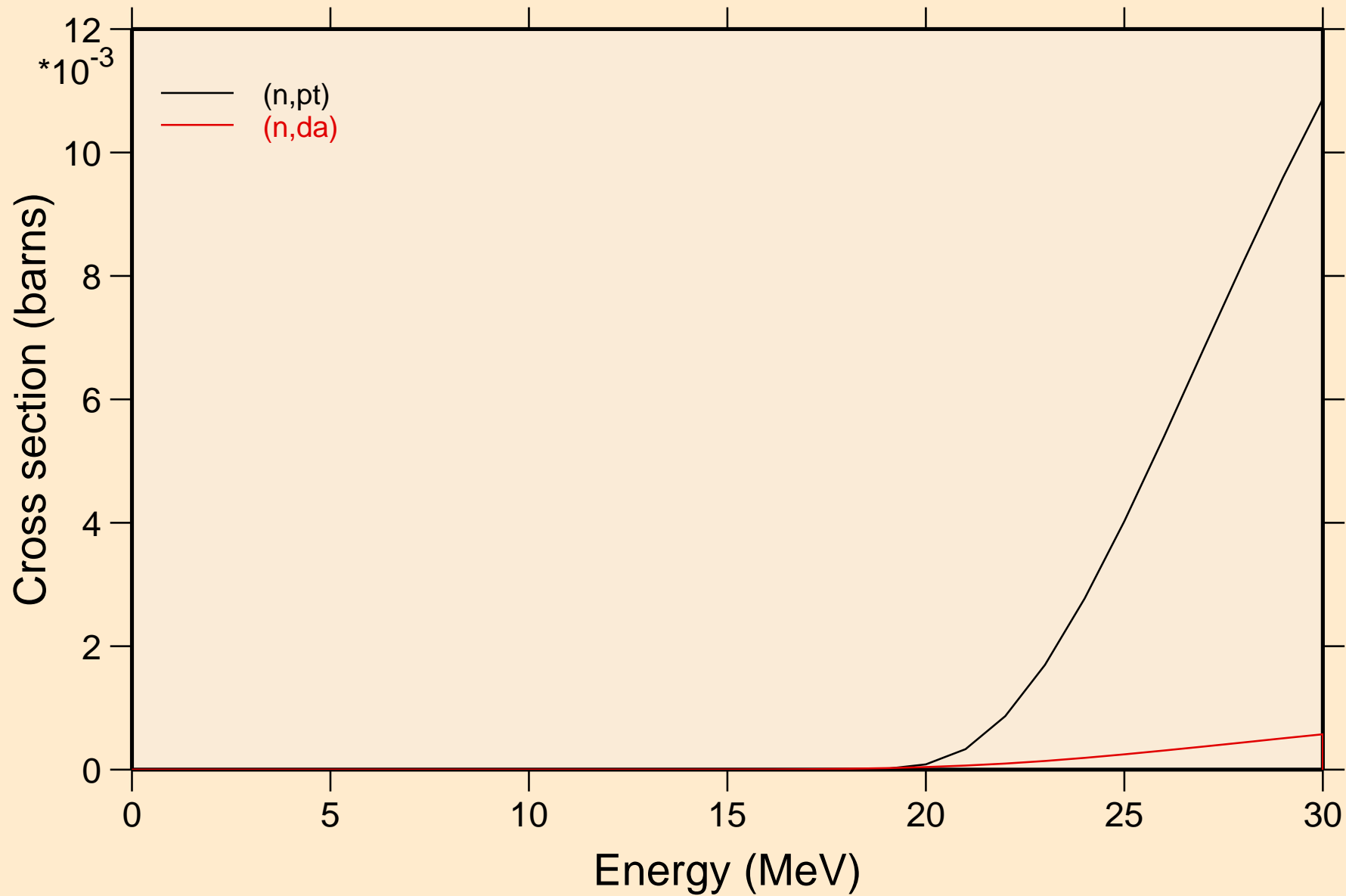




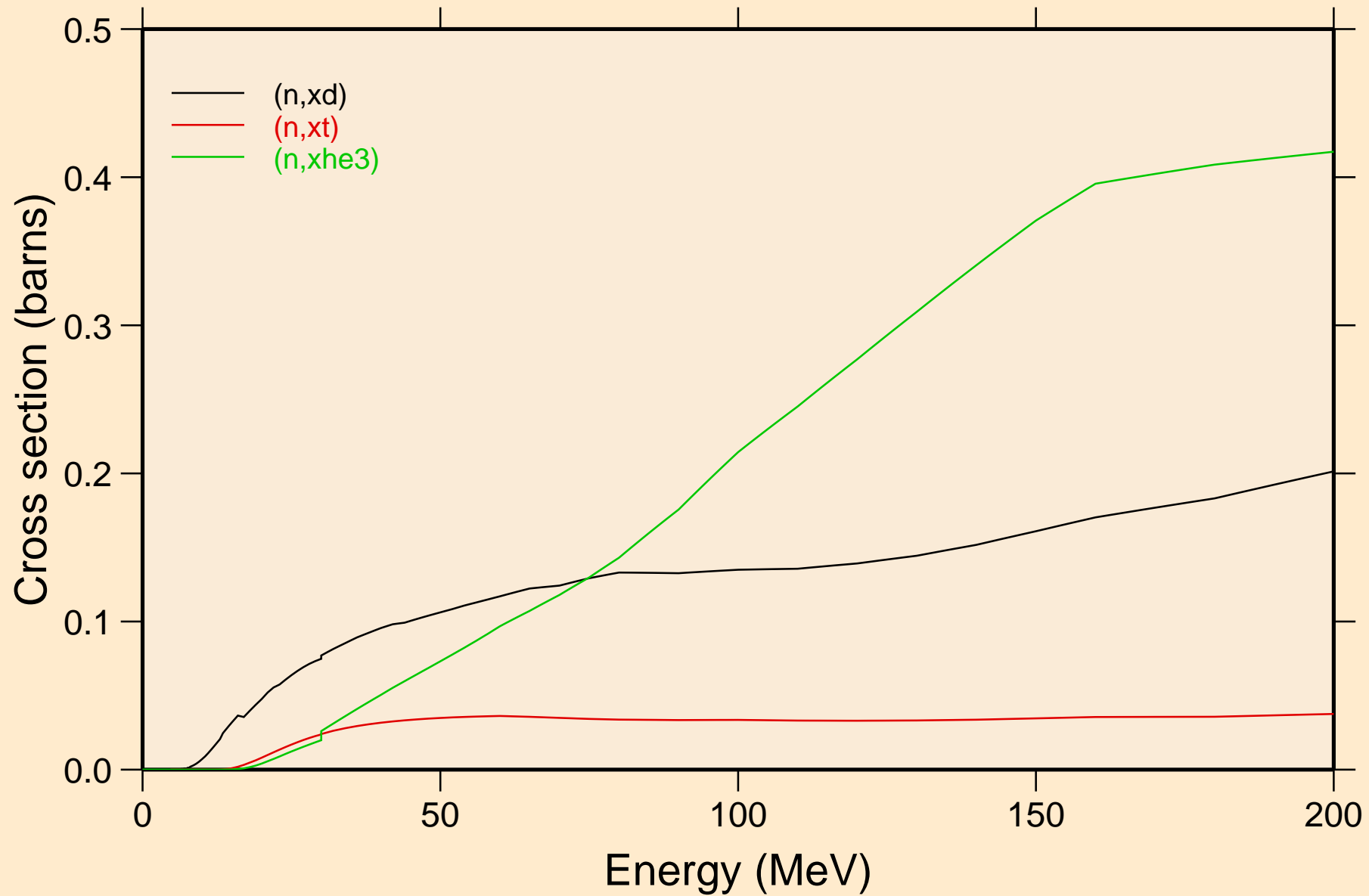
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



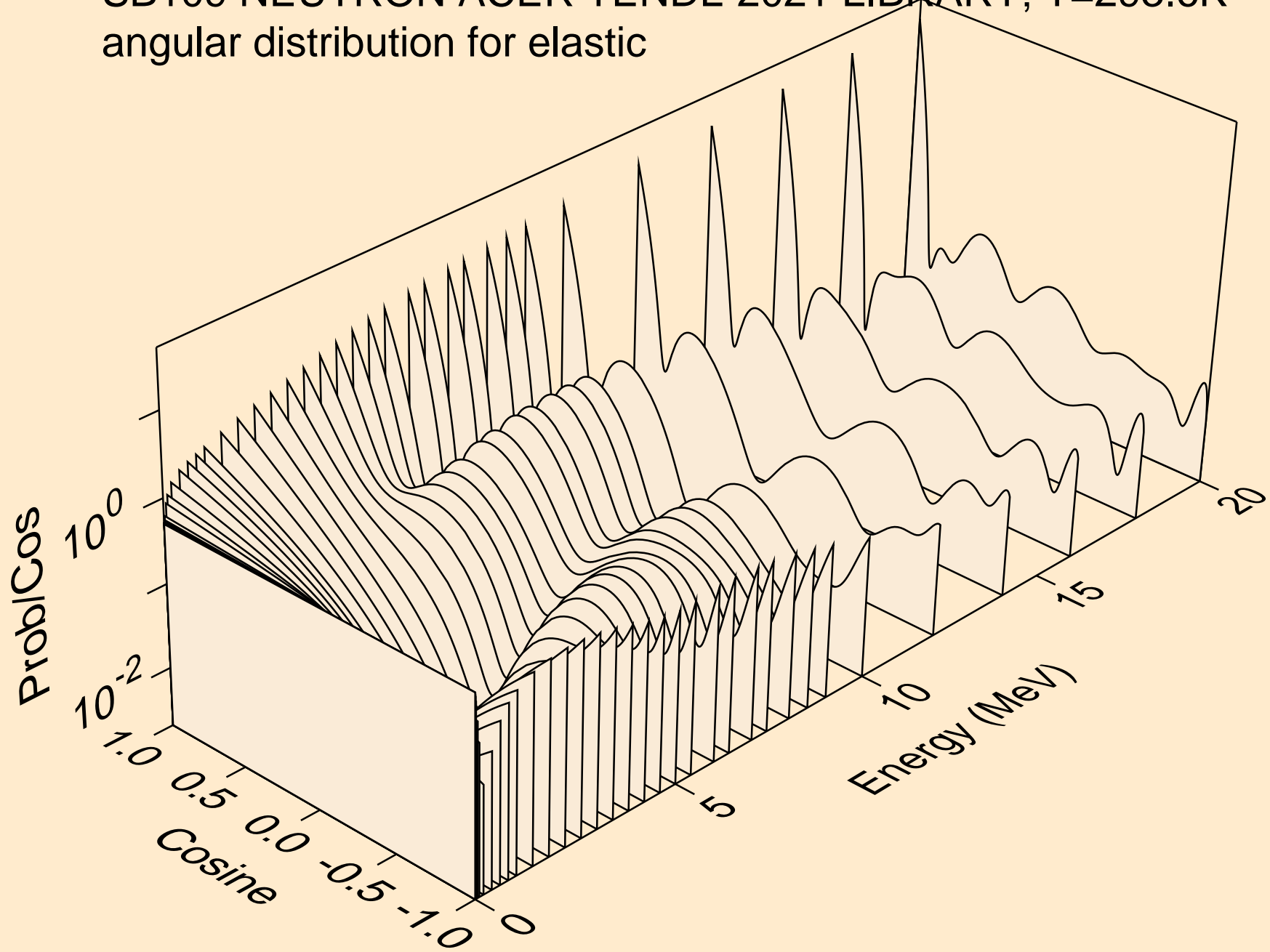
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



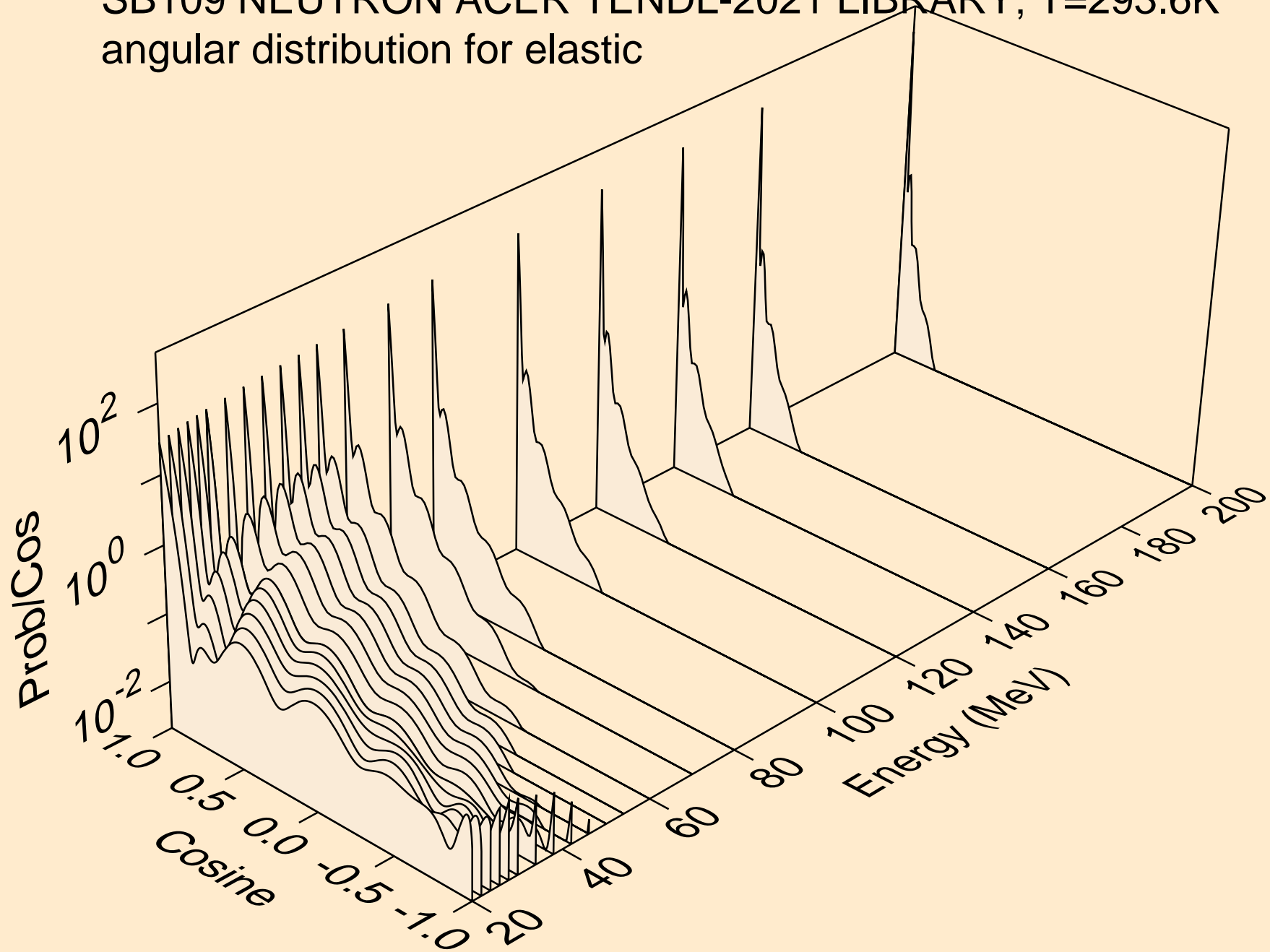
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



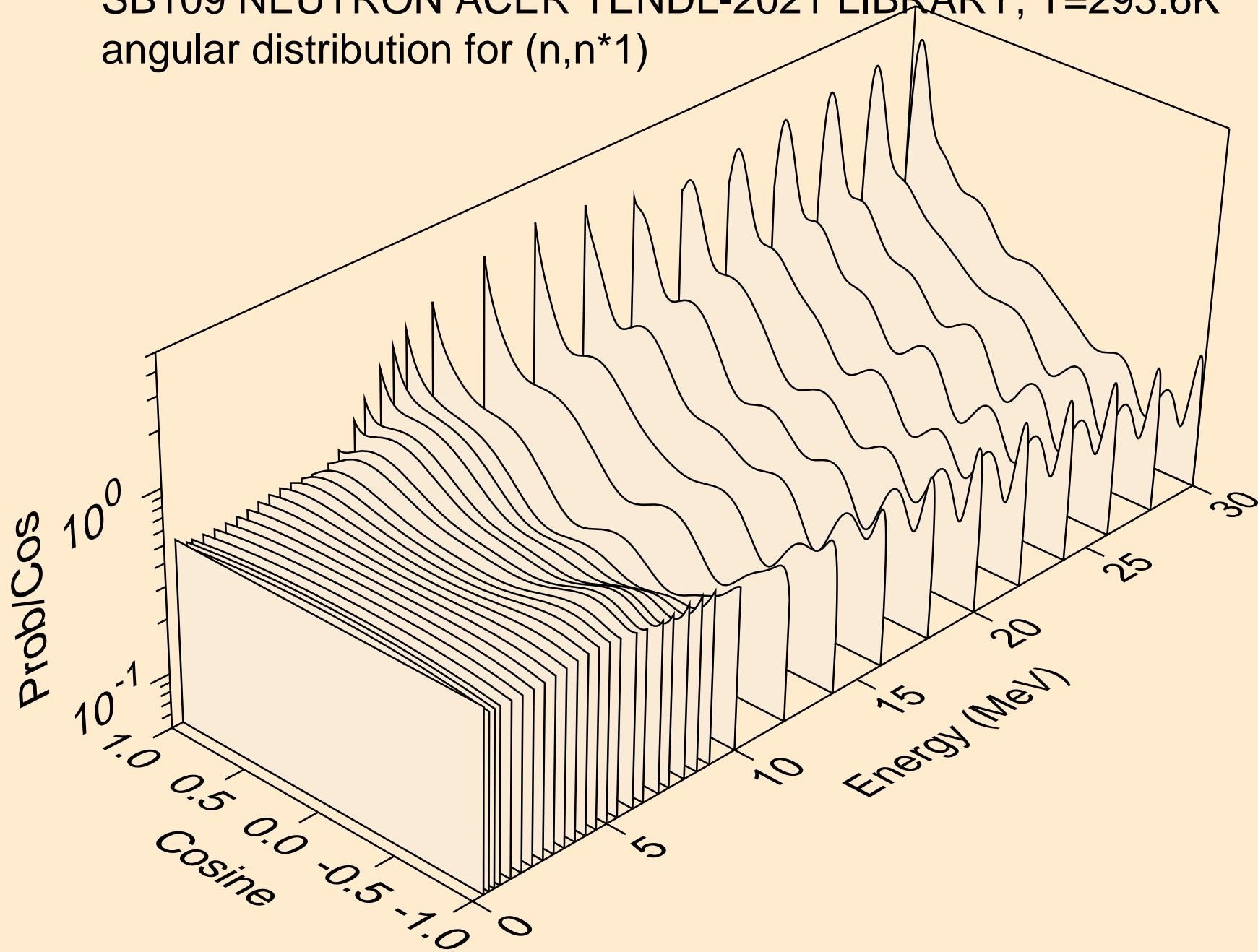
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



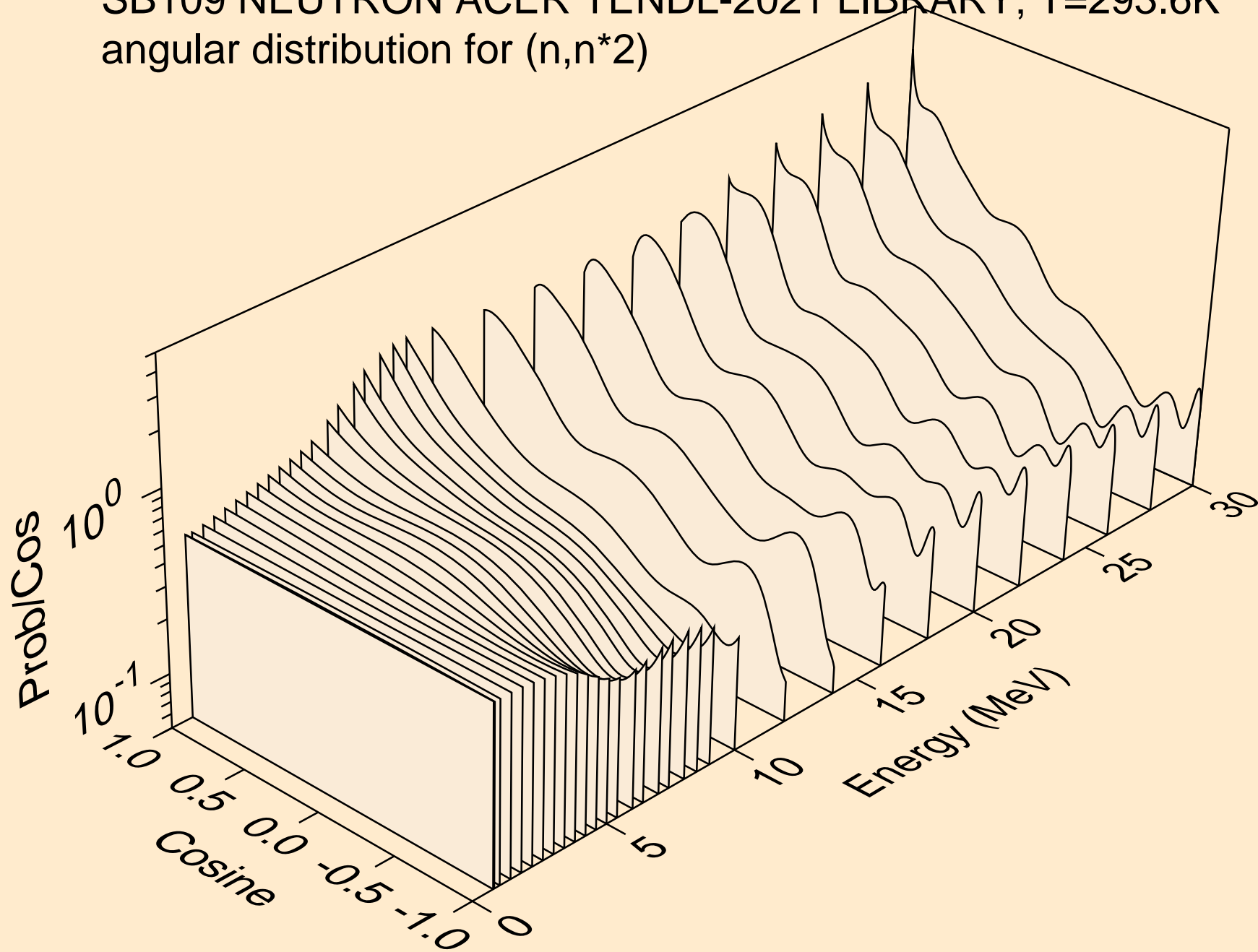
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angular distribution for elastic



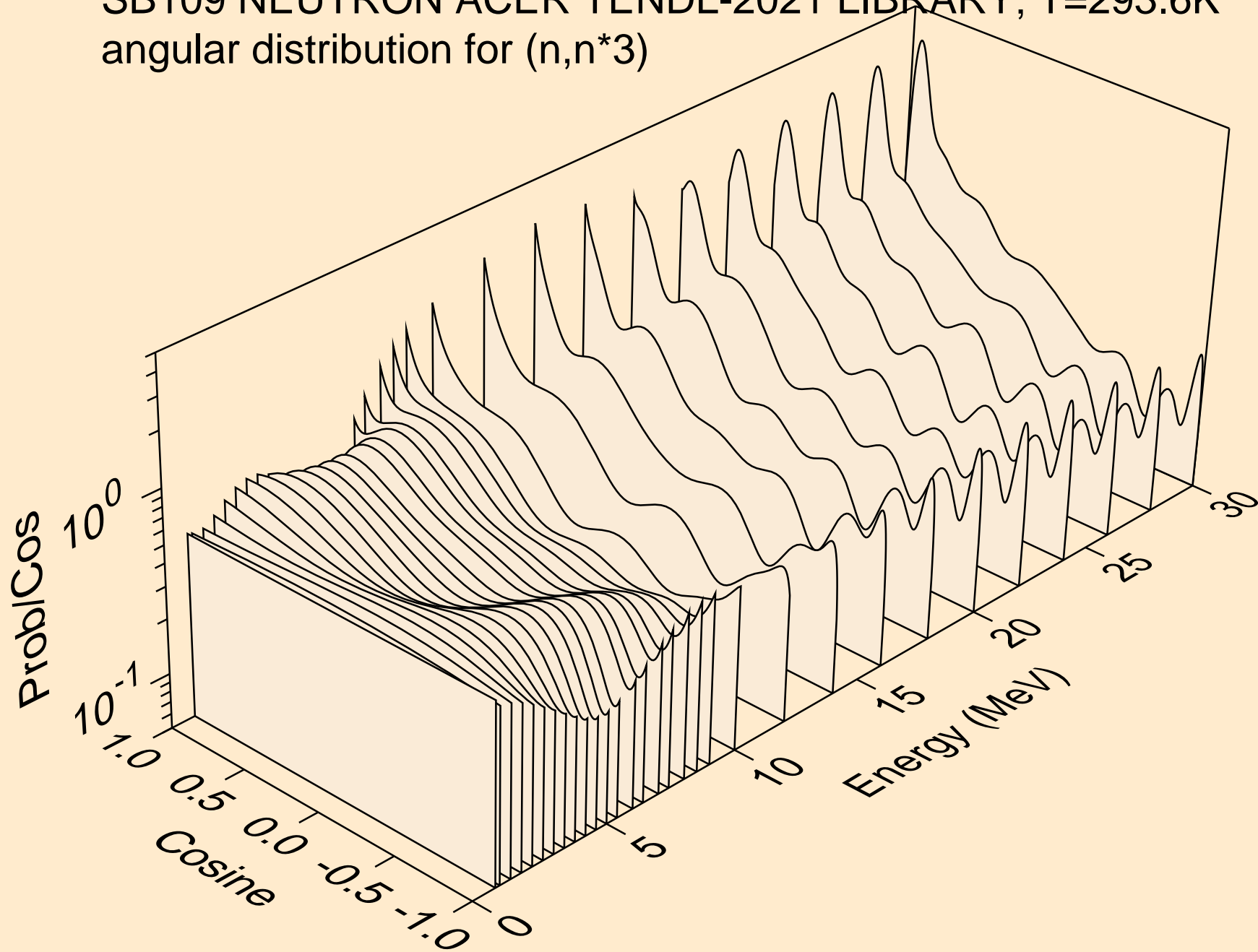
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

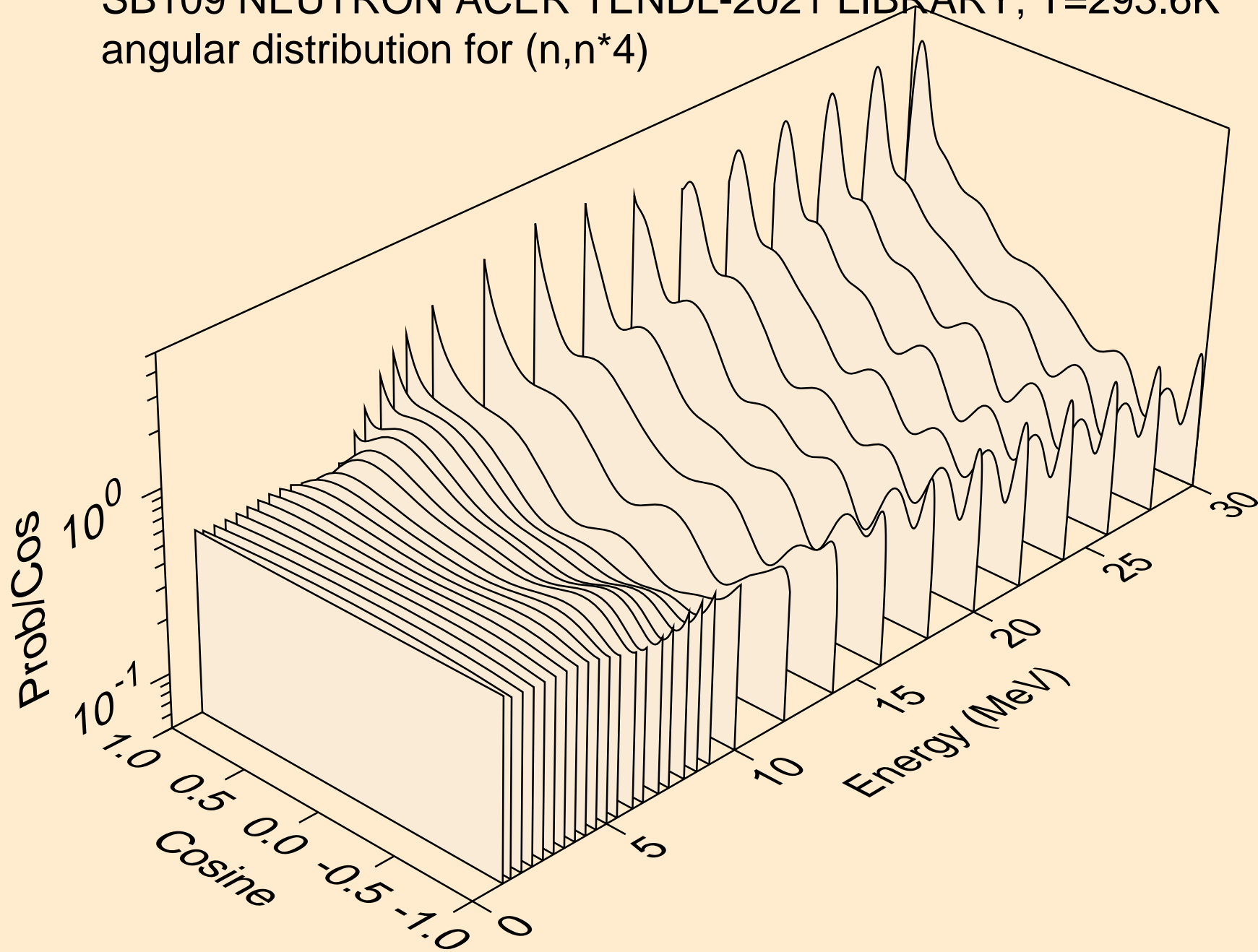


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

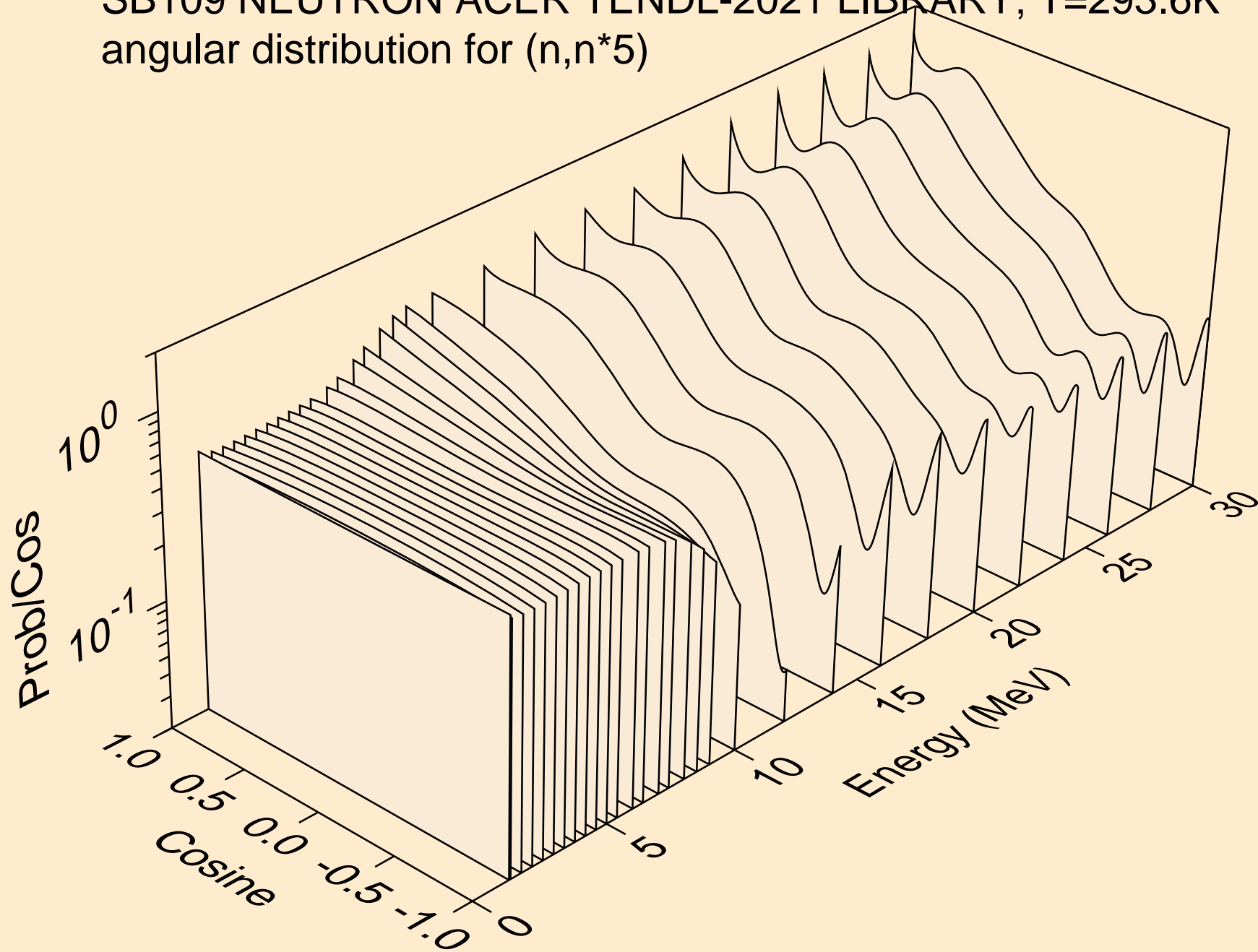




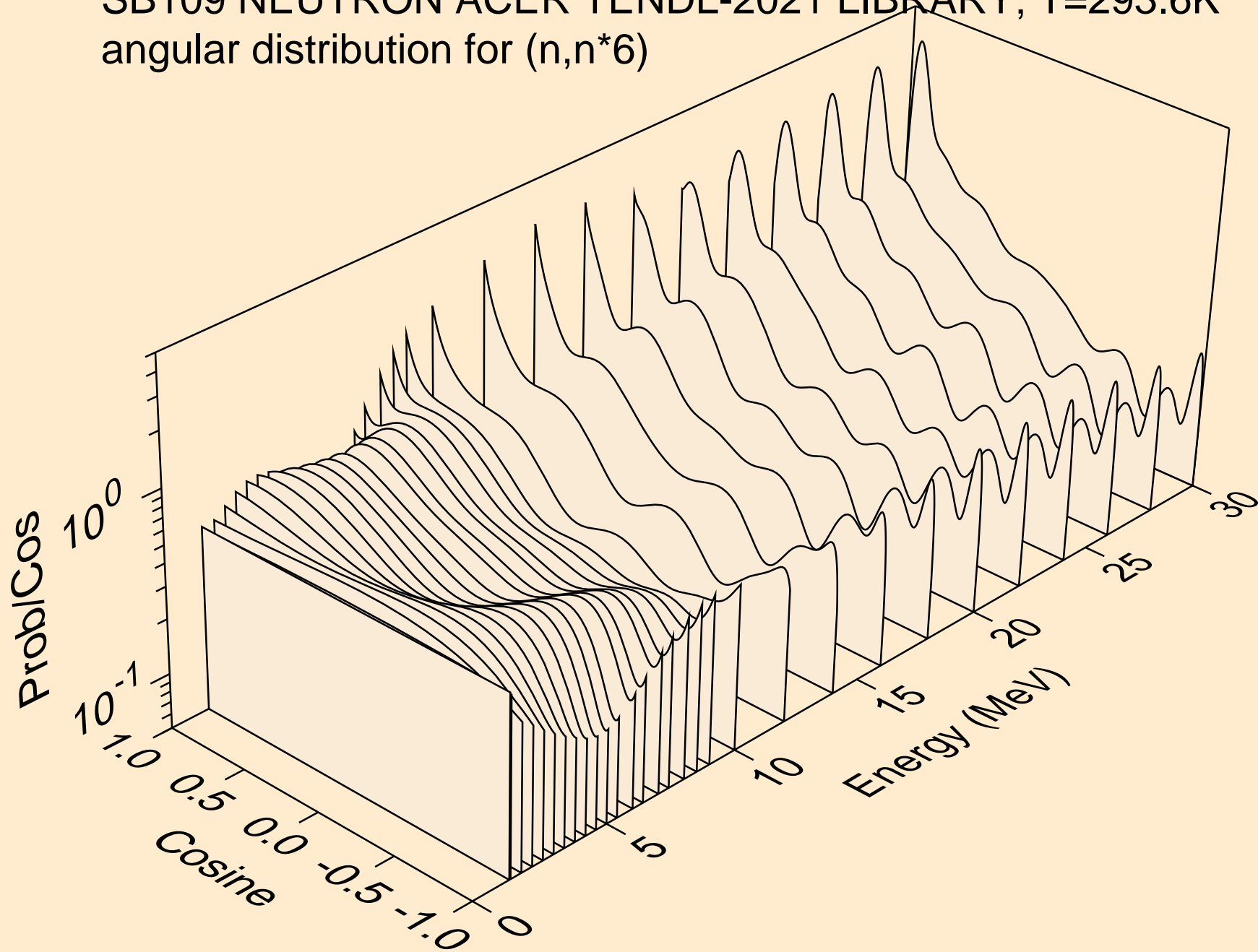
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angular distribution for (n,n\*4)



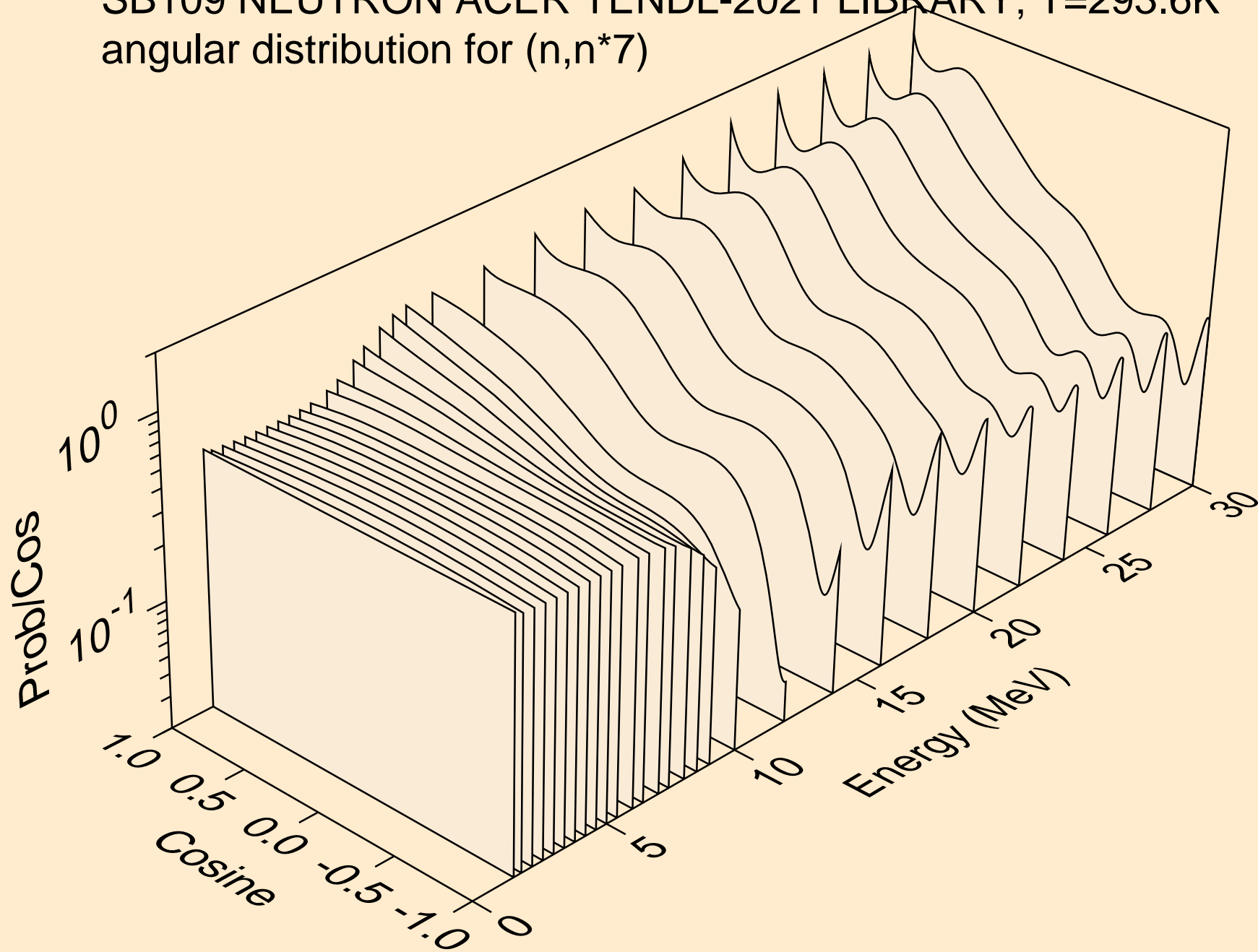
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angular distribution for (n,n\*5)



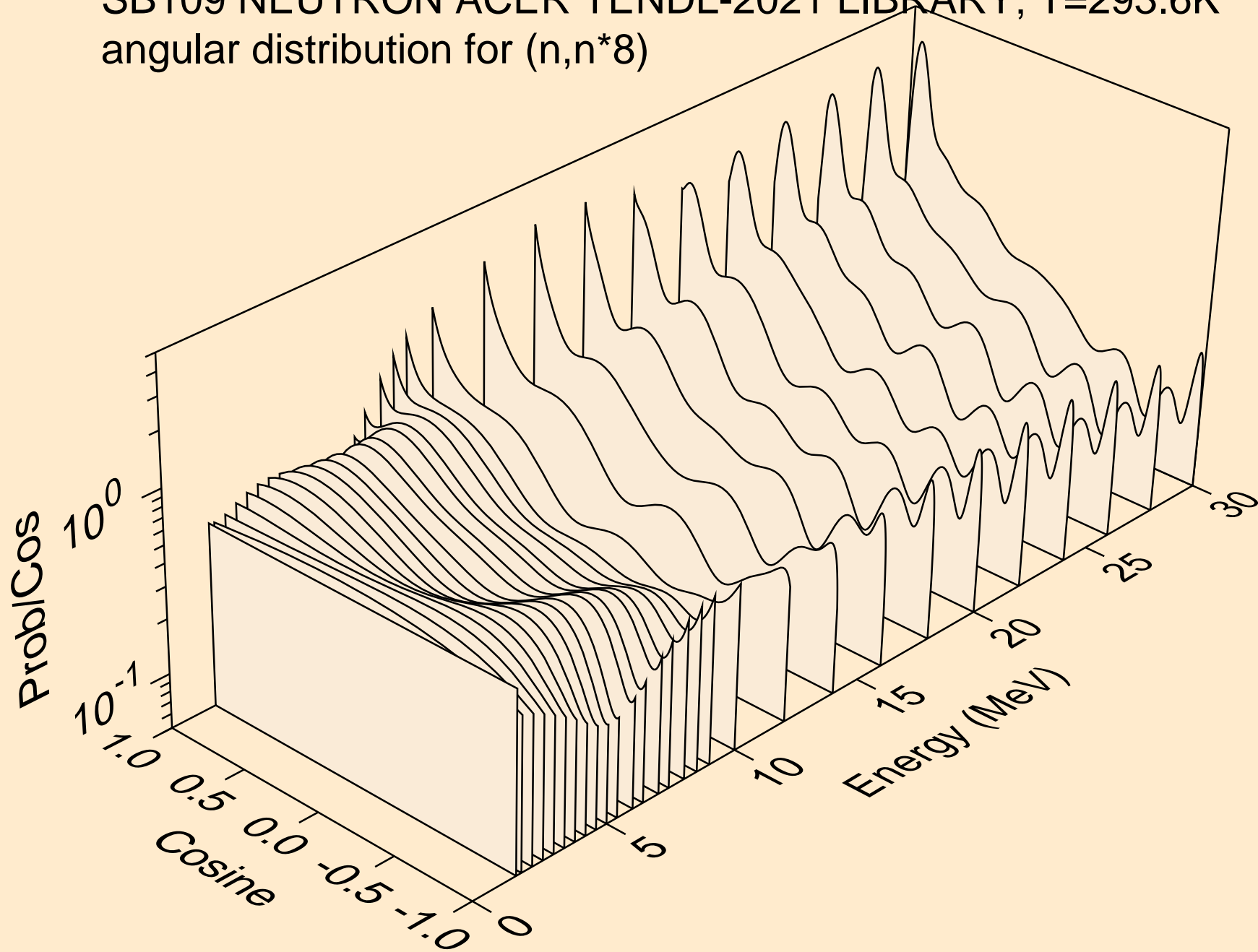
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



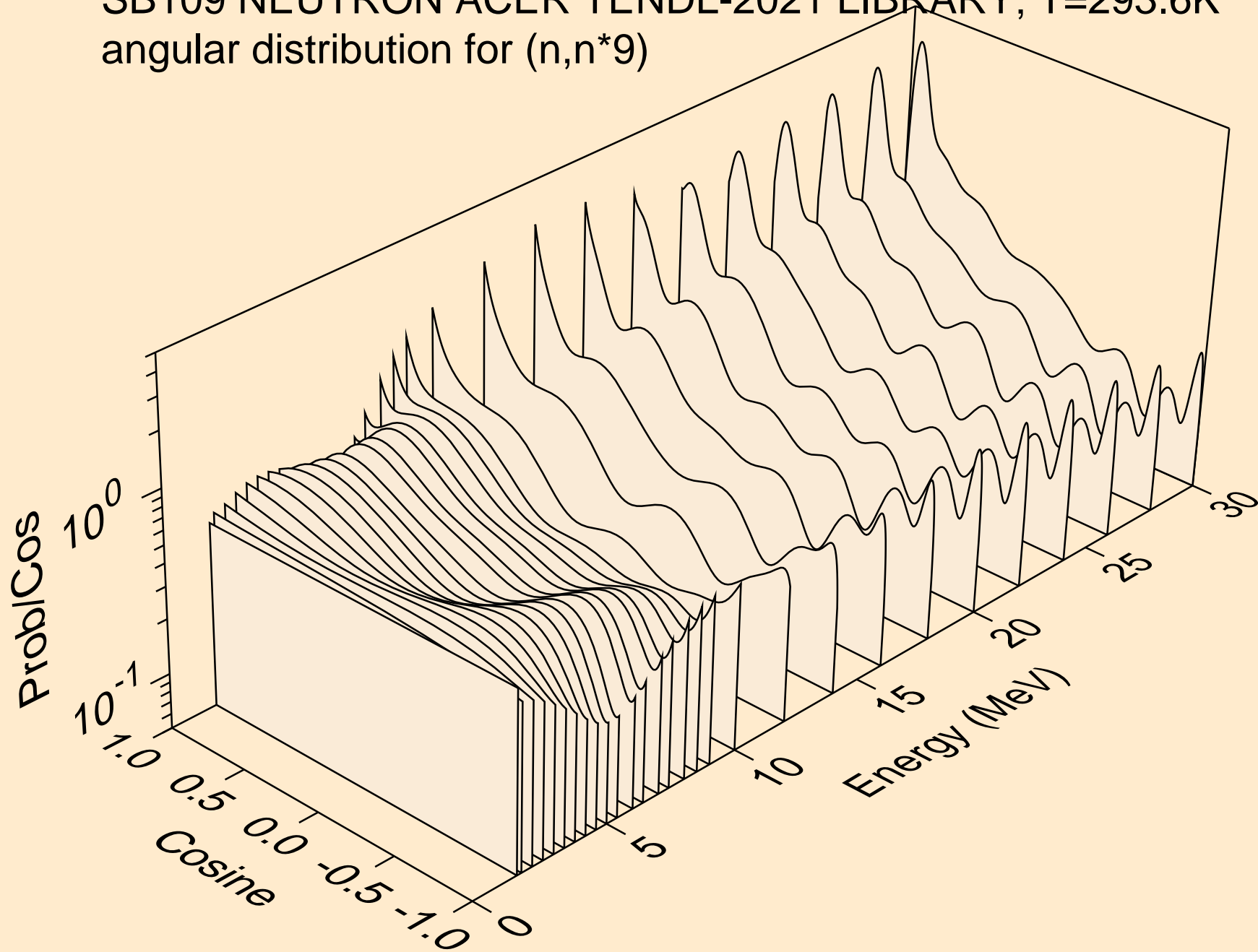
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angular distribution for (n,n\*7)



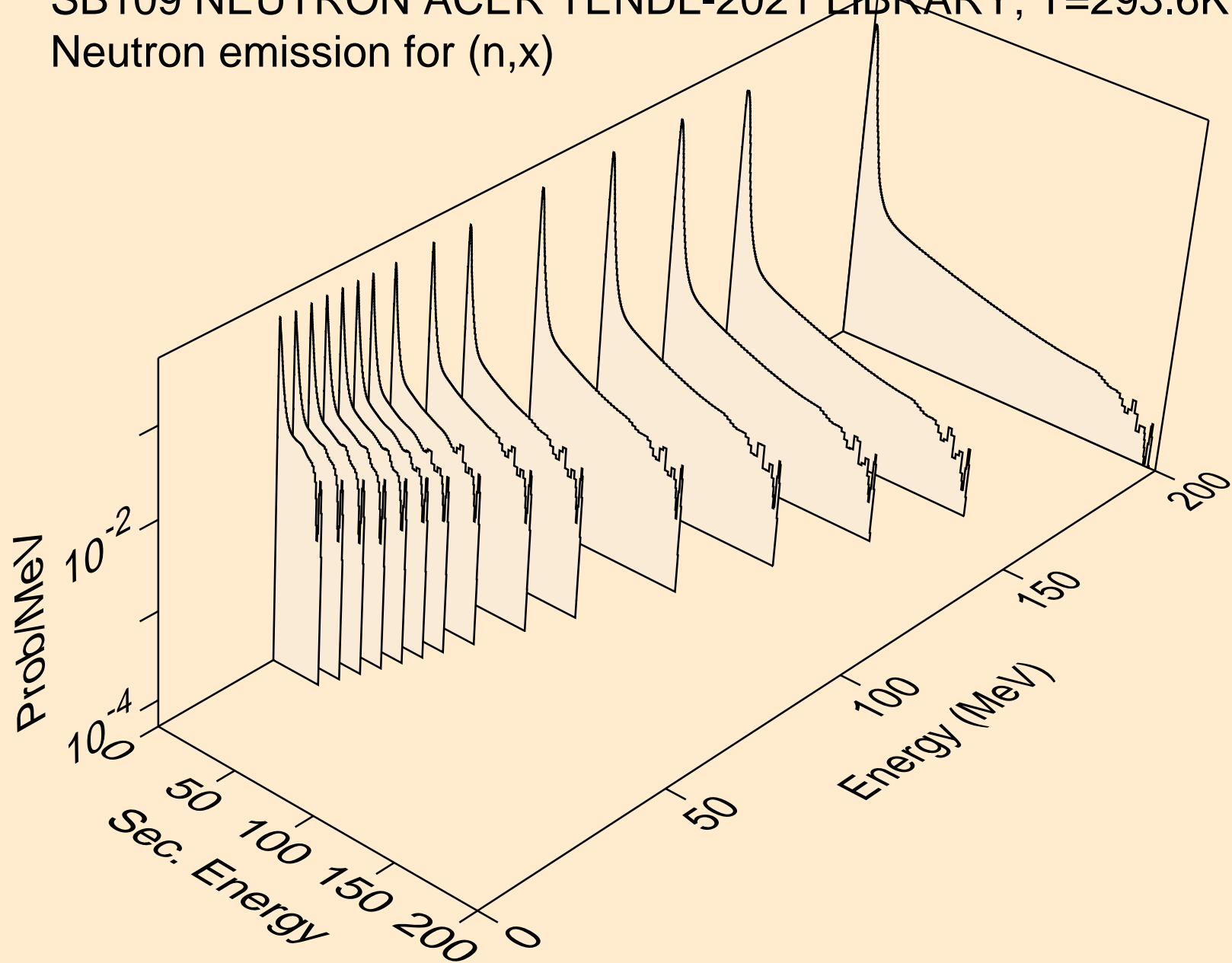
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angular distribution for (n,n\*8)



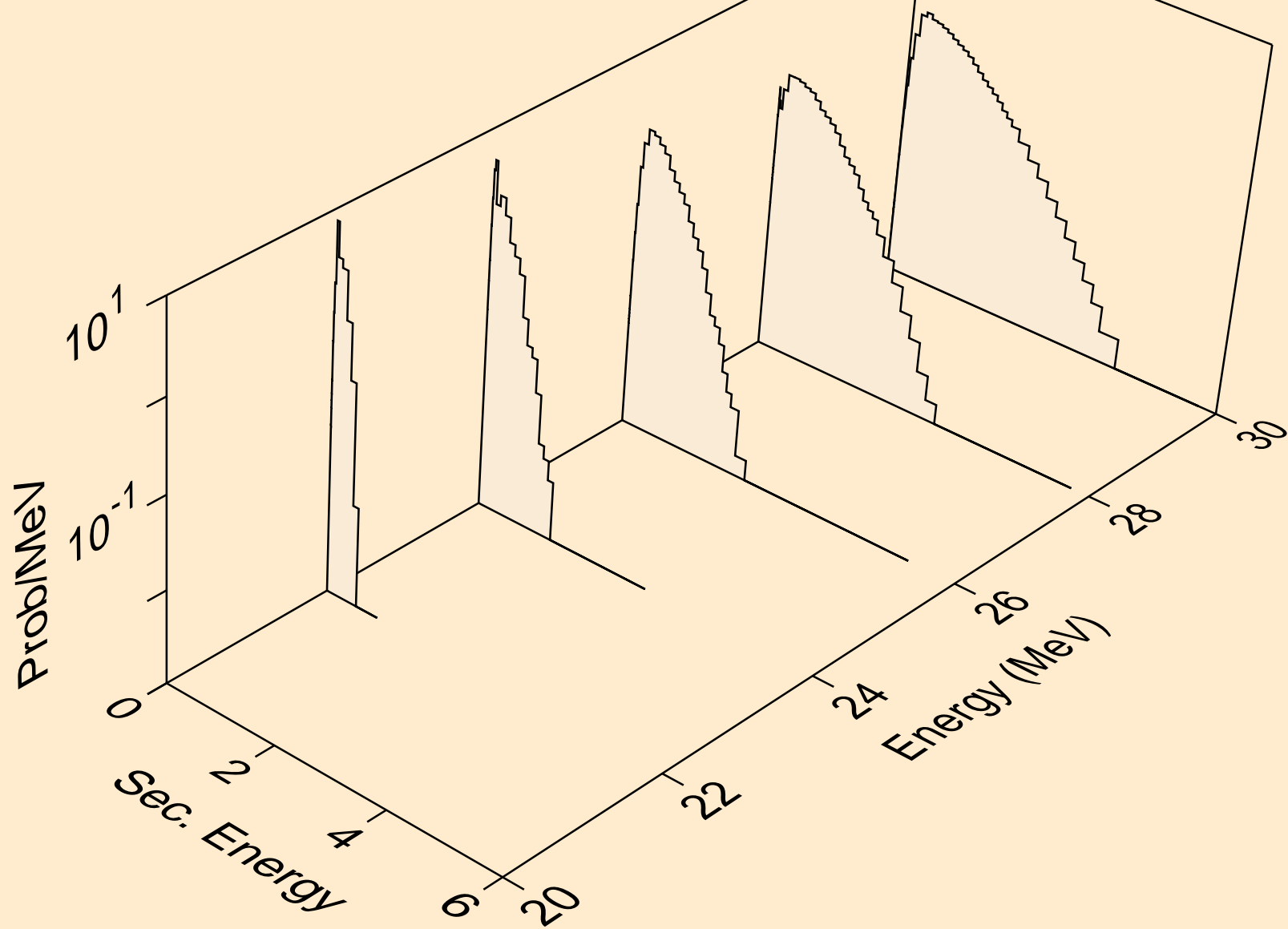
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

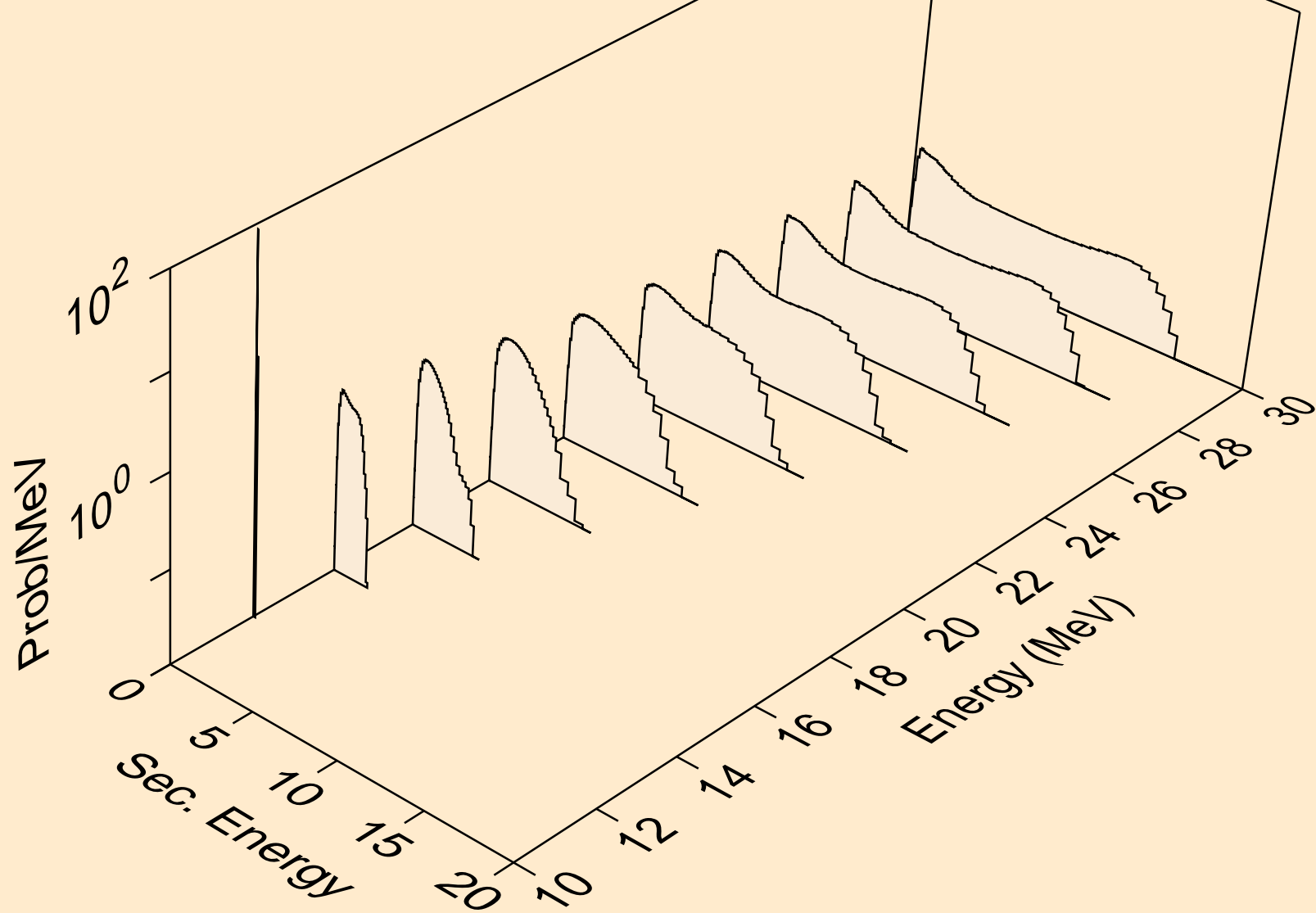


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

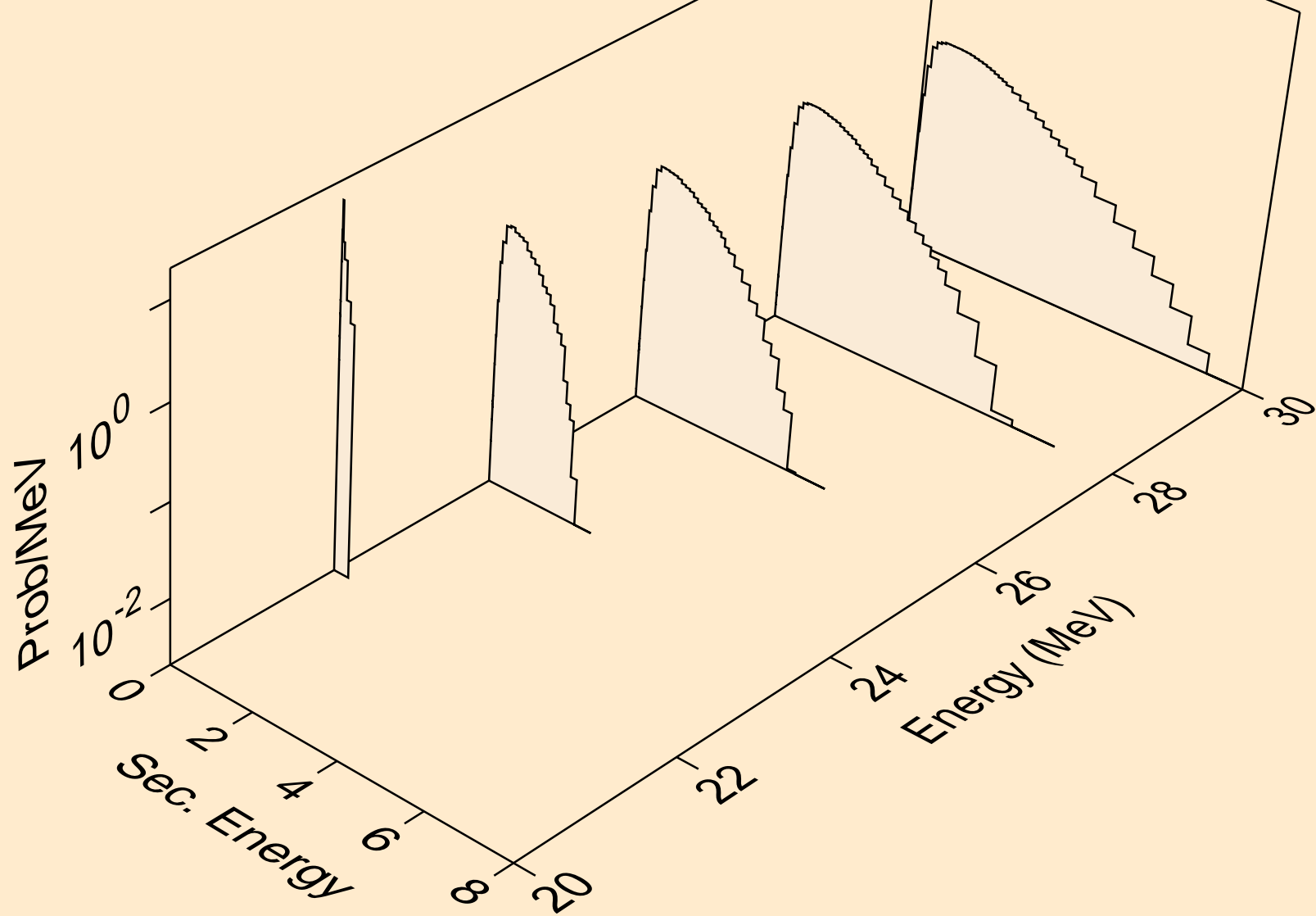




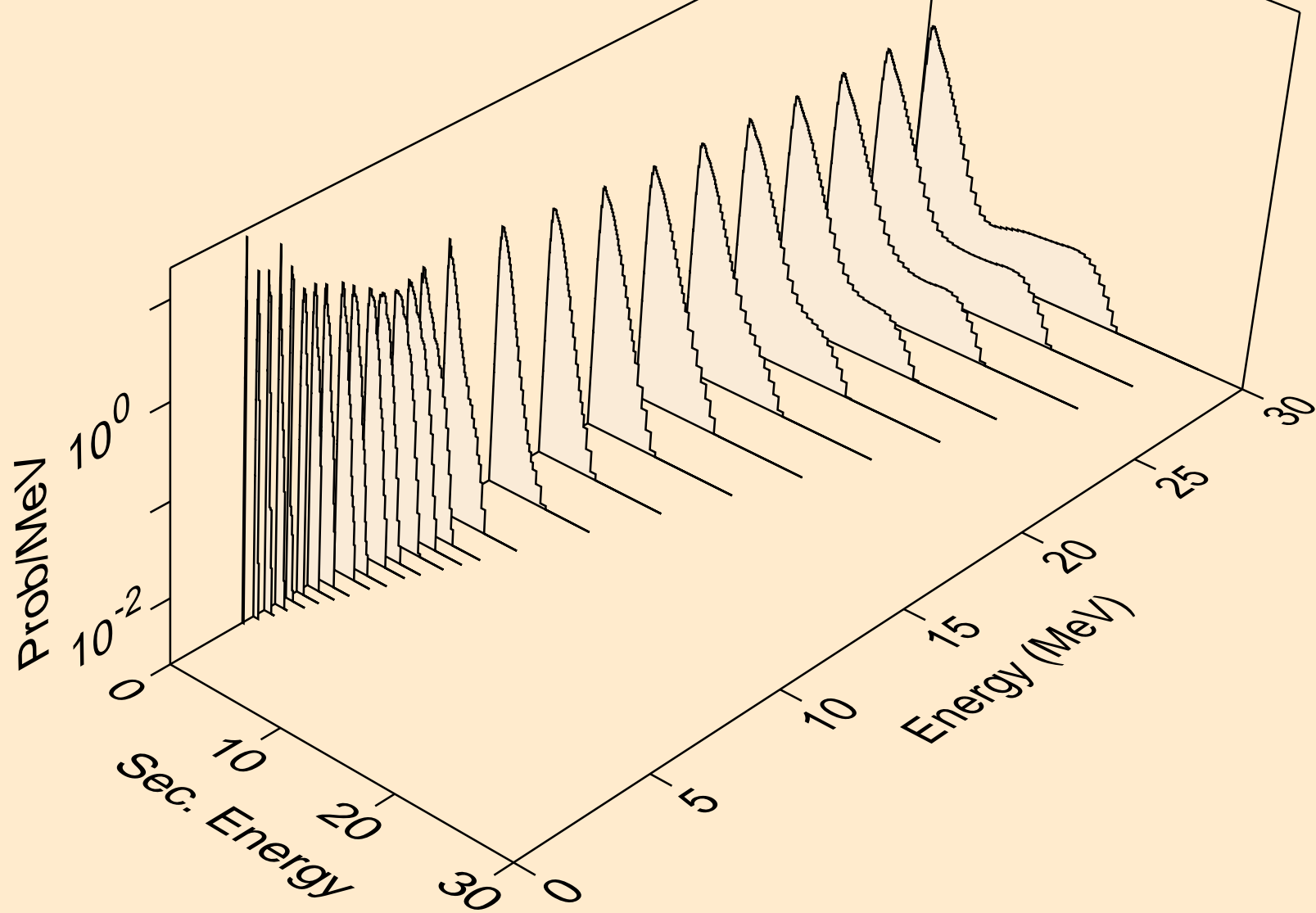
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



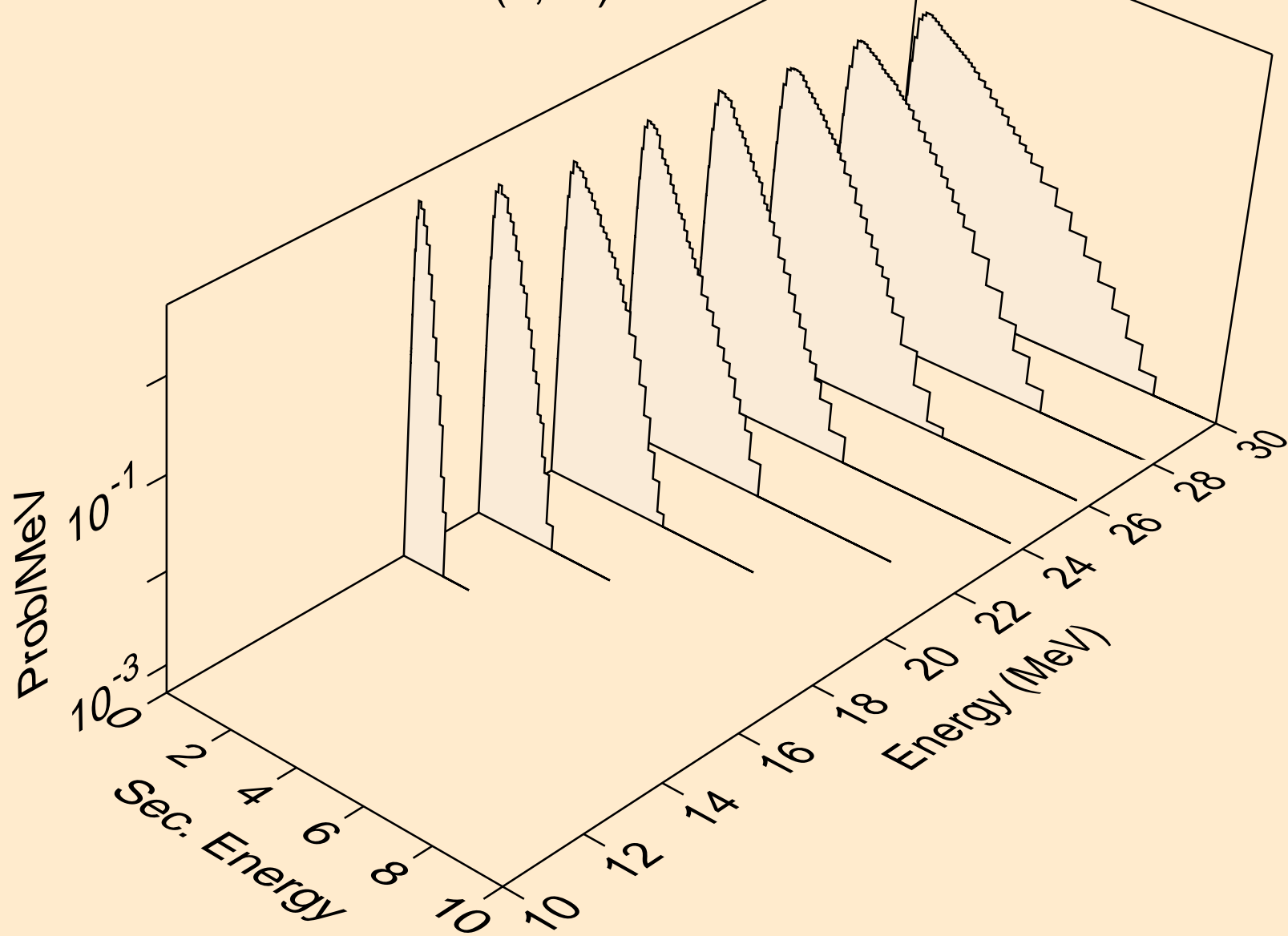
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



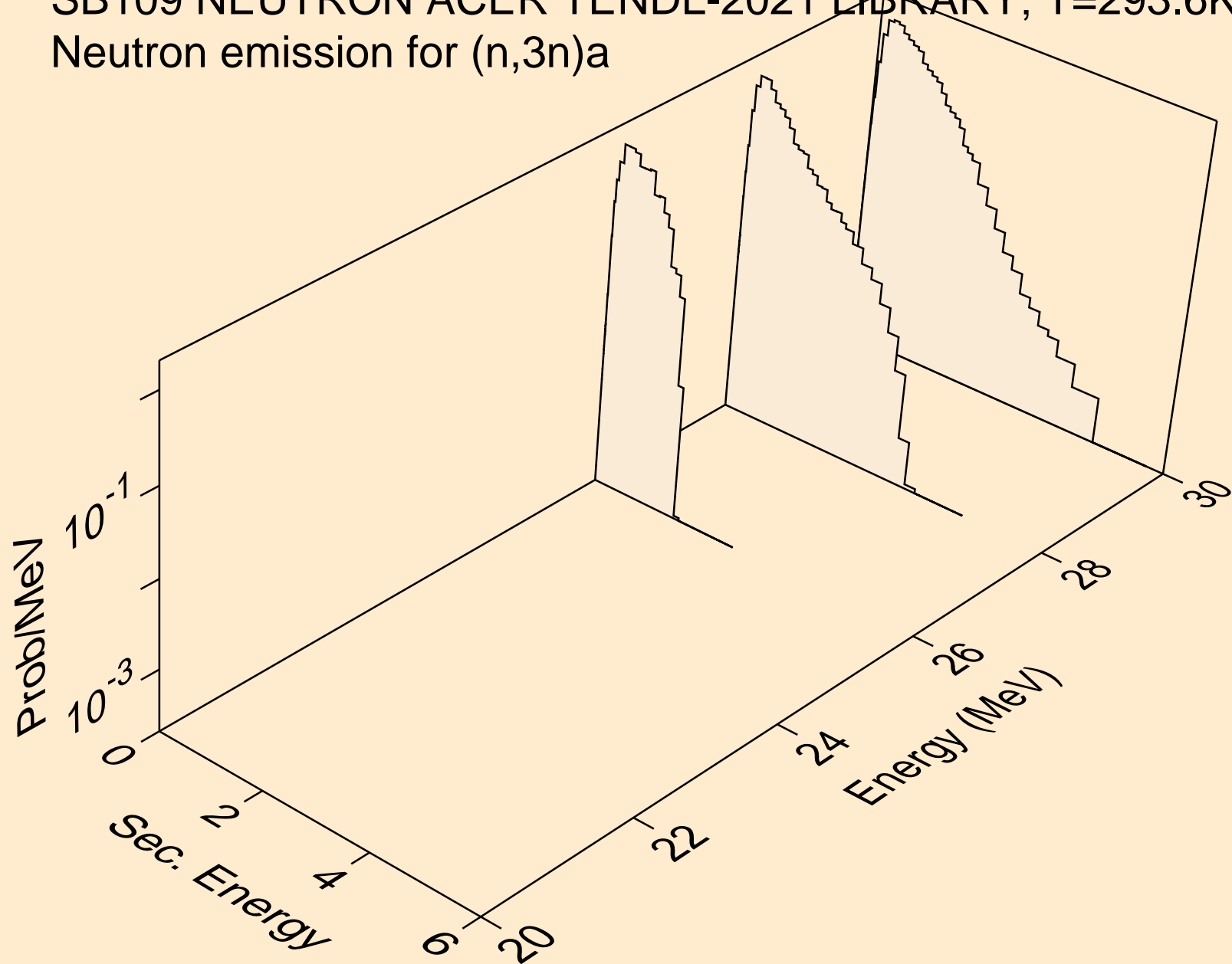
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



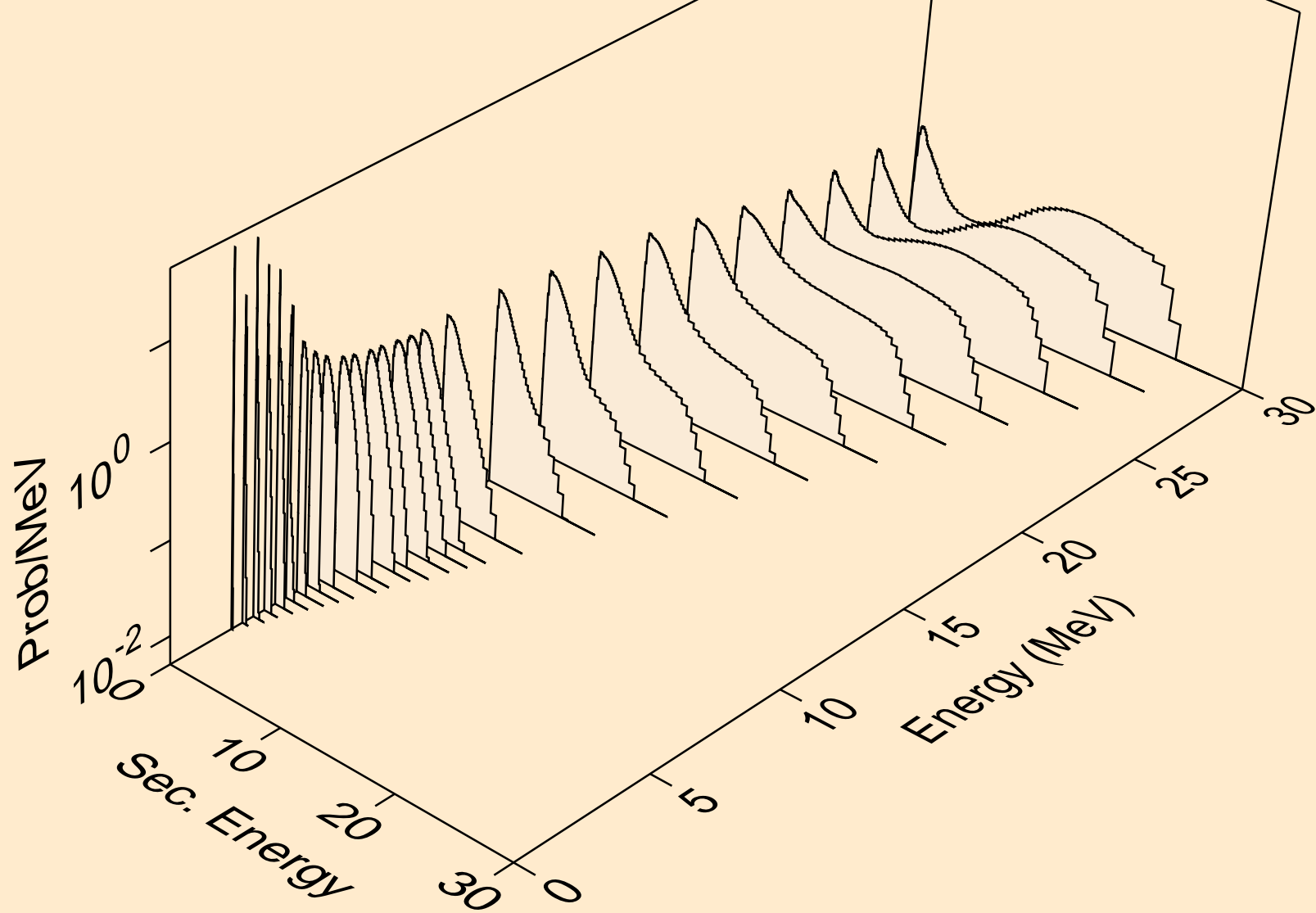
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



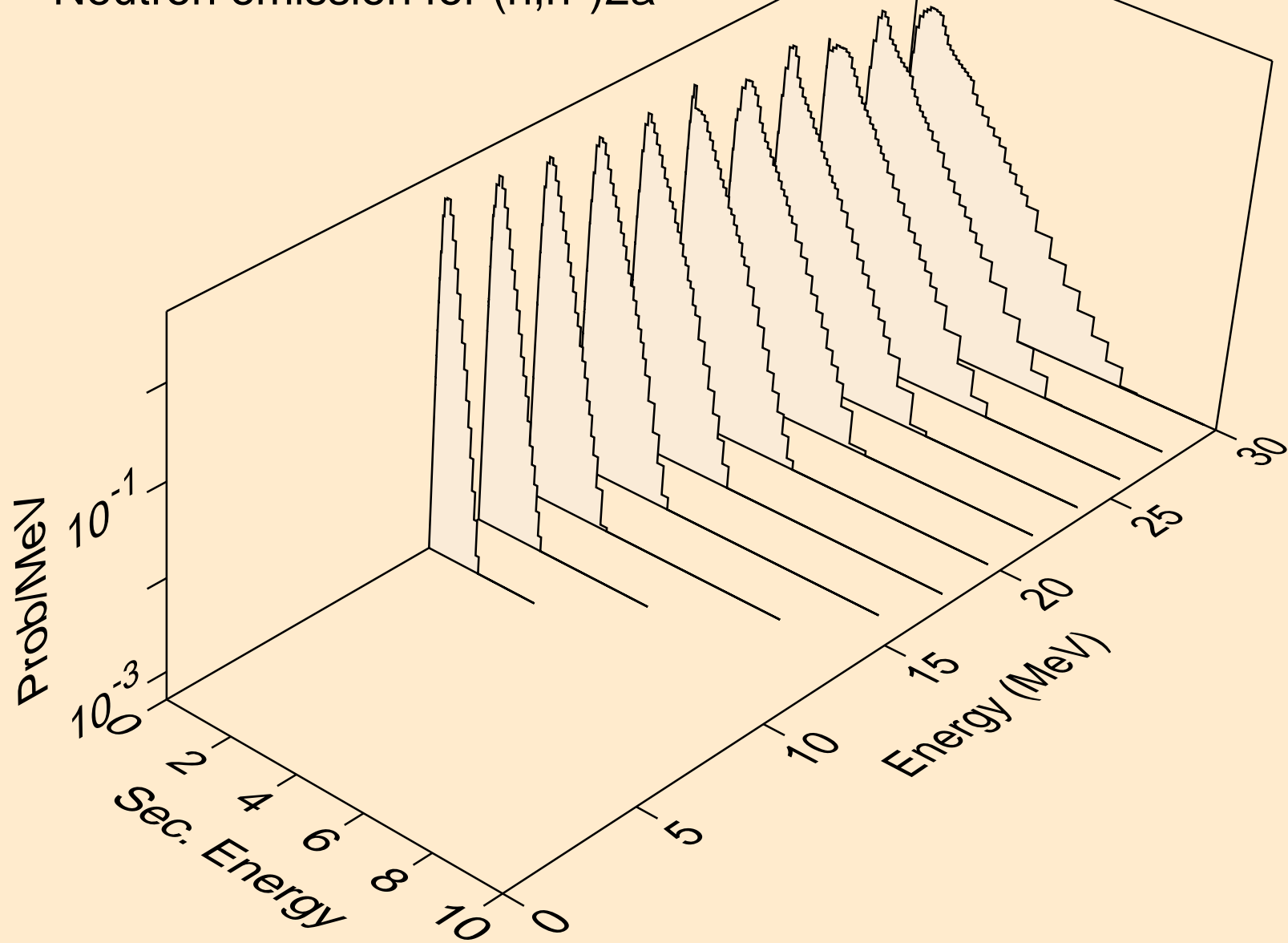
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



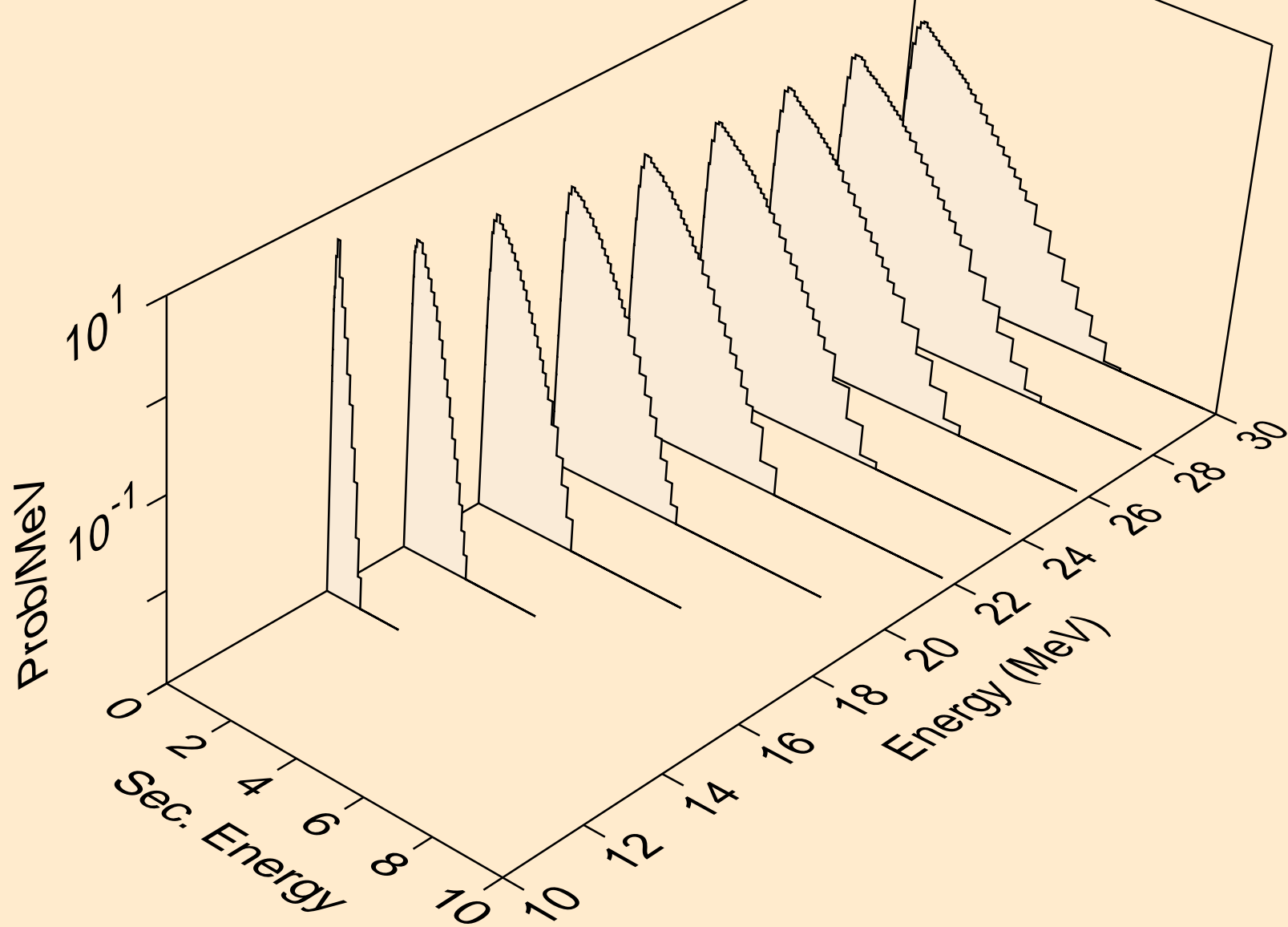
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

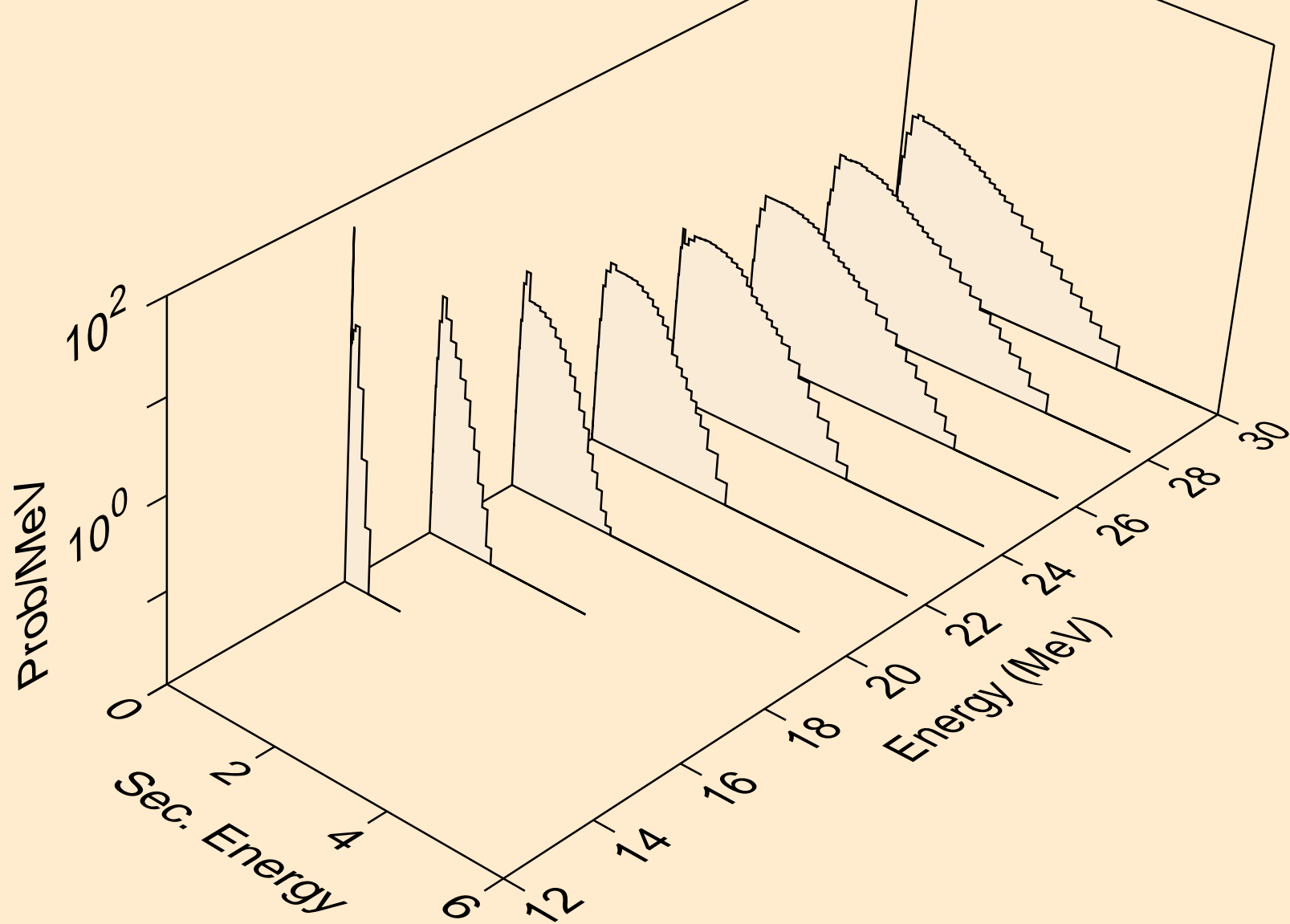


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

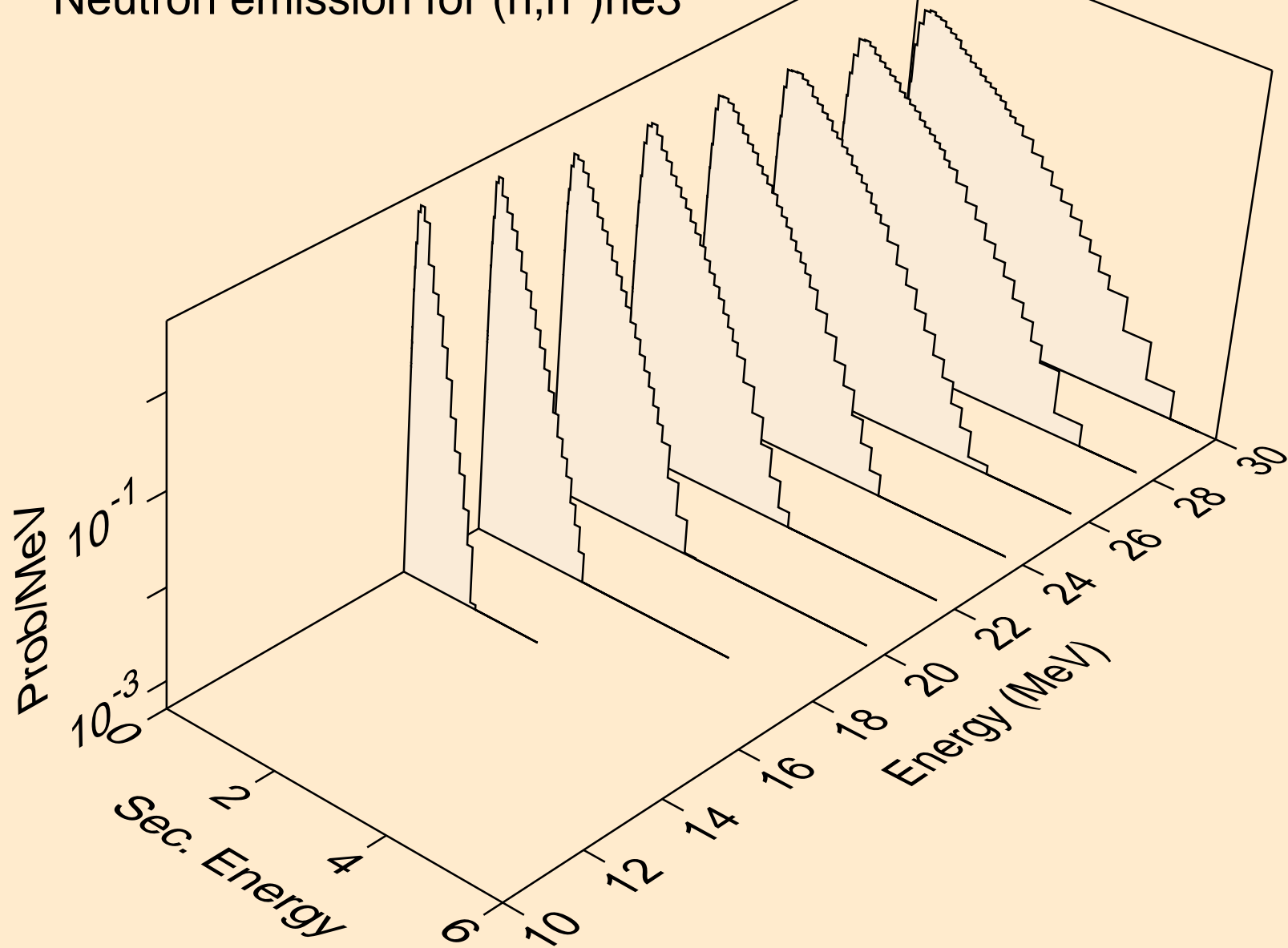




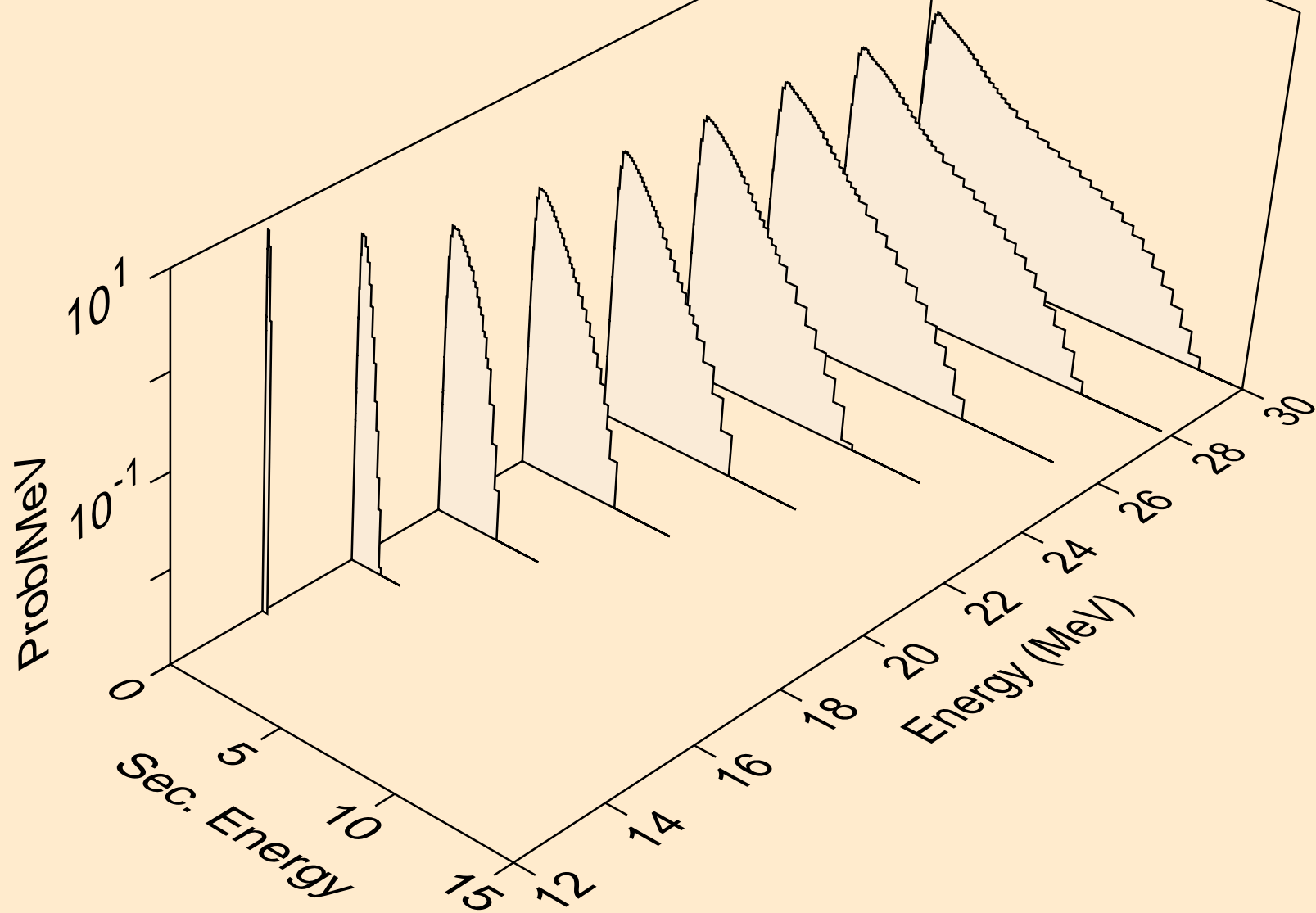
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



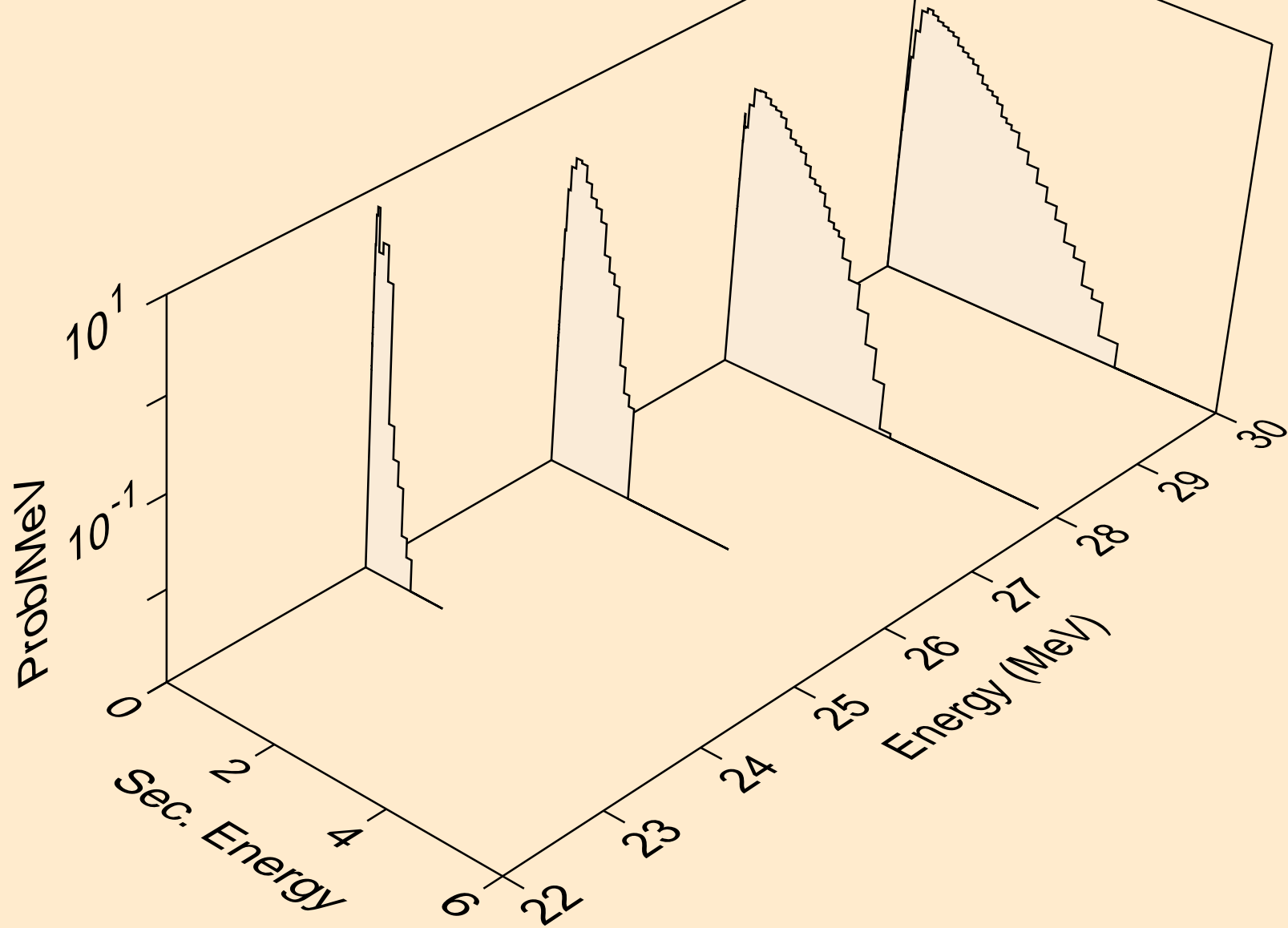
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



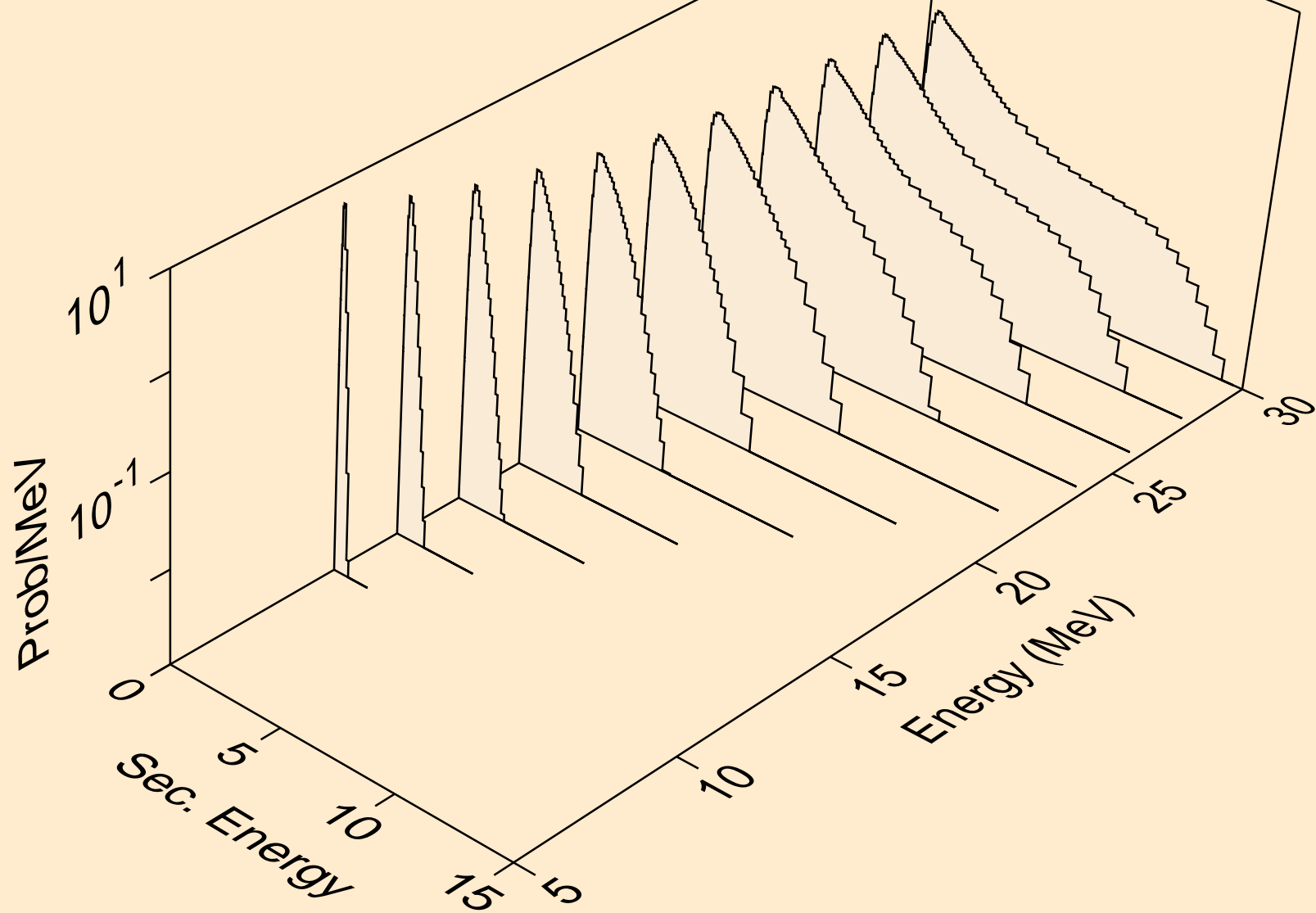
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



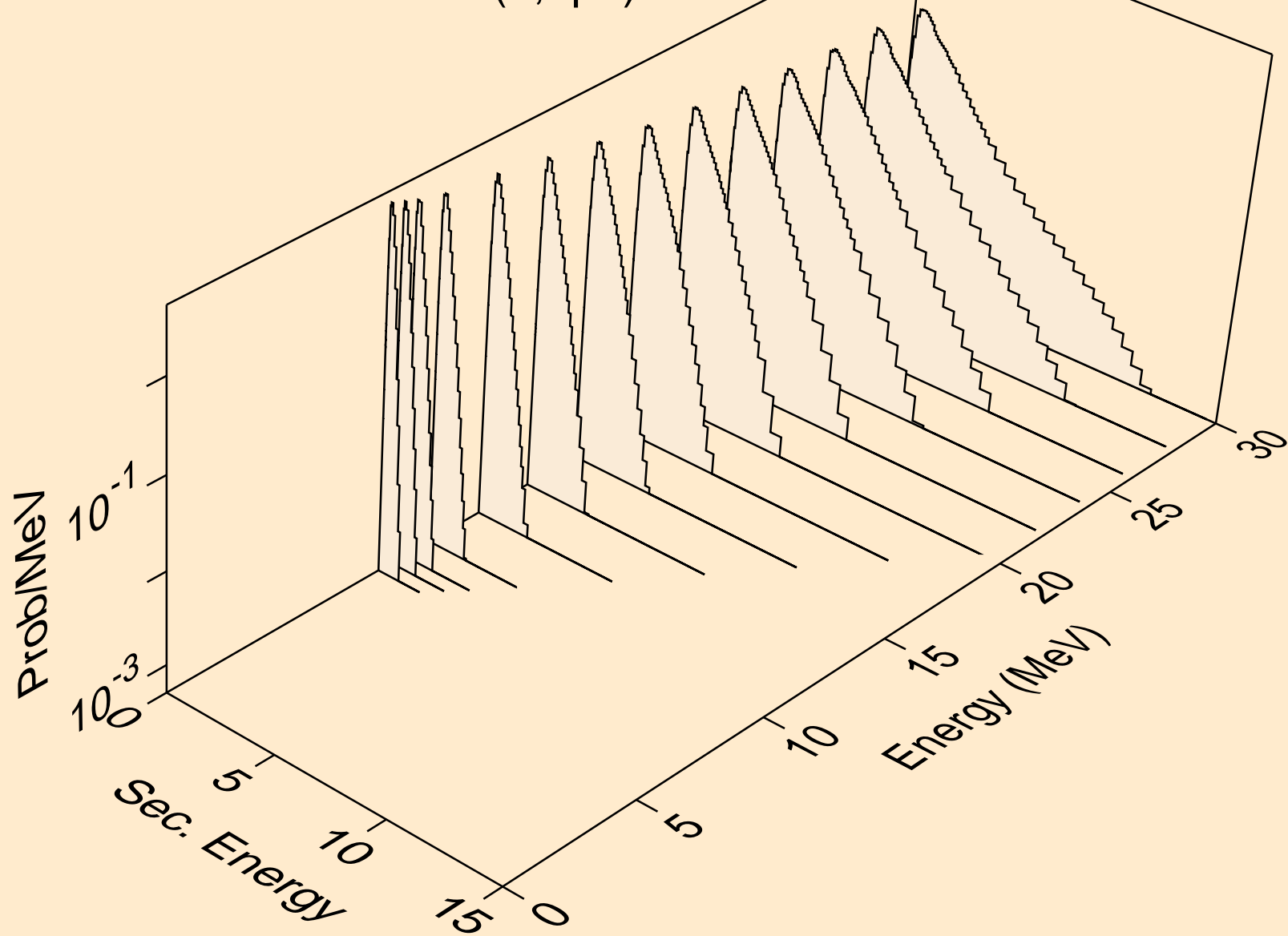
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



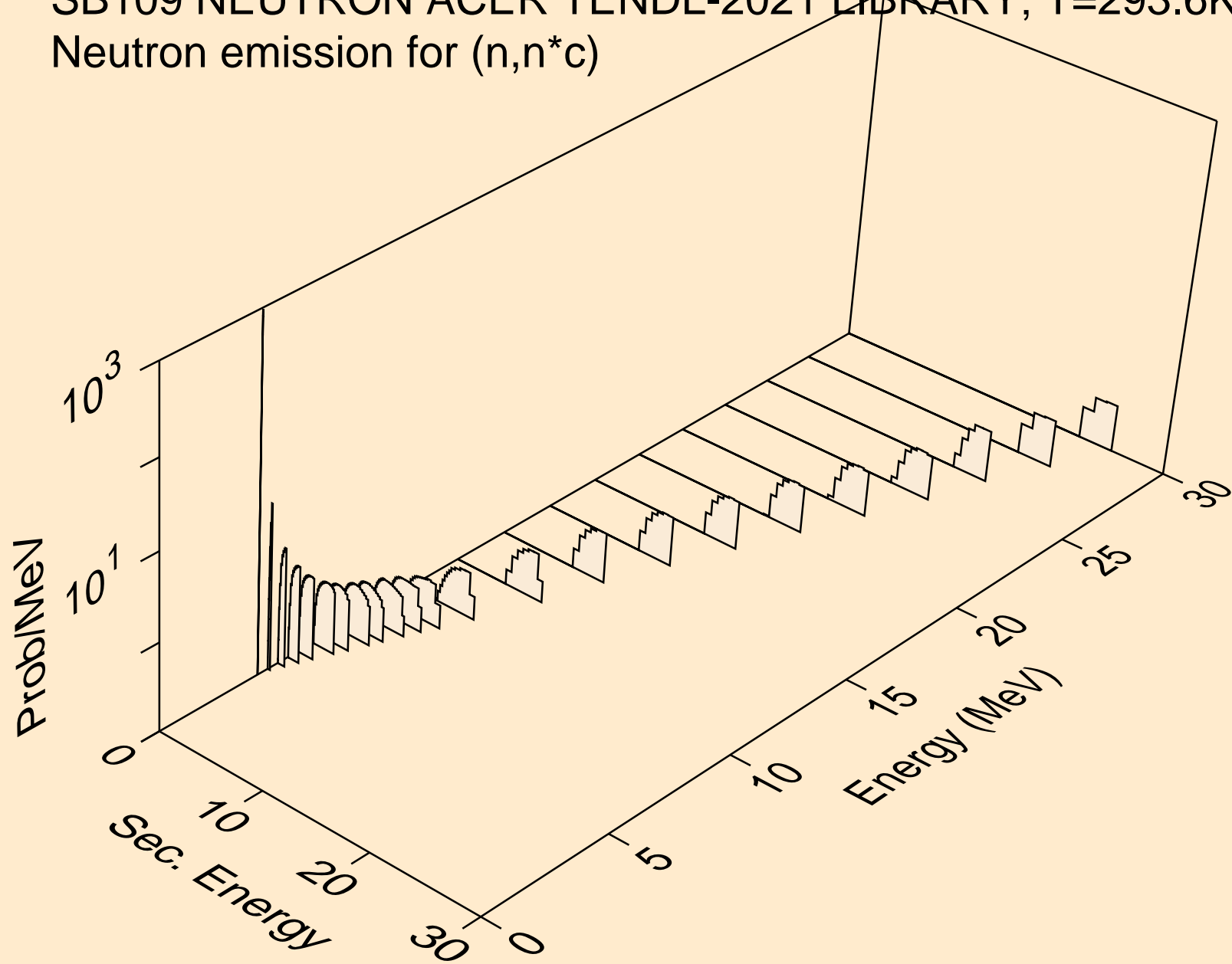
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Neutron emission for (n,2np)



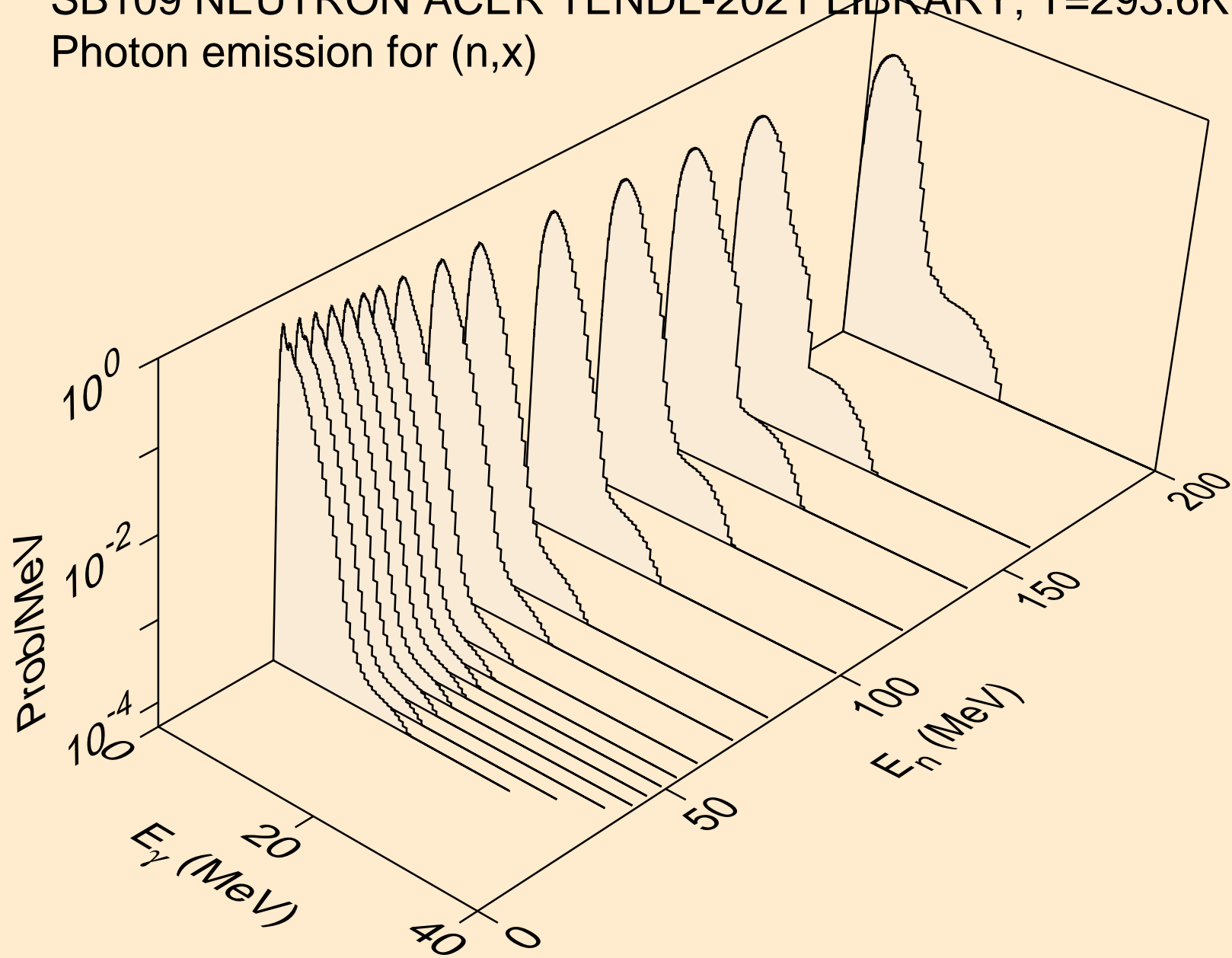
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

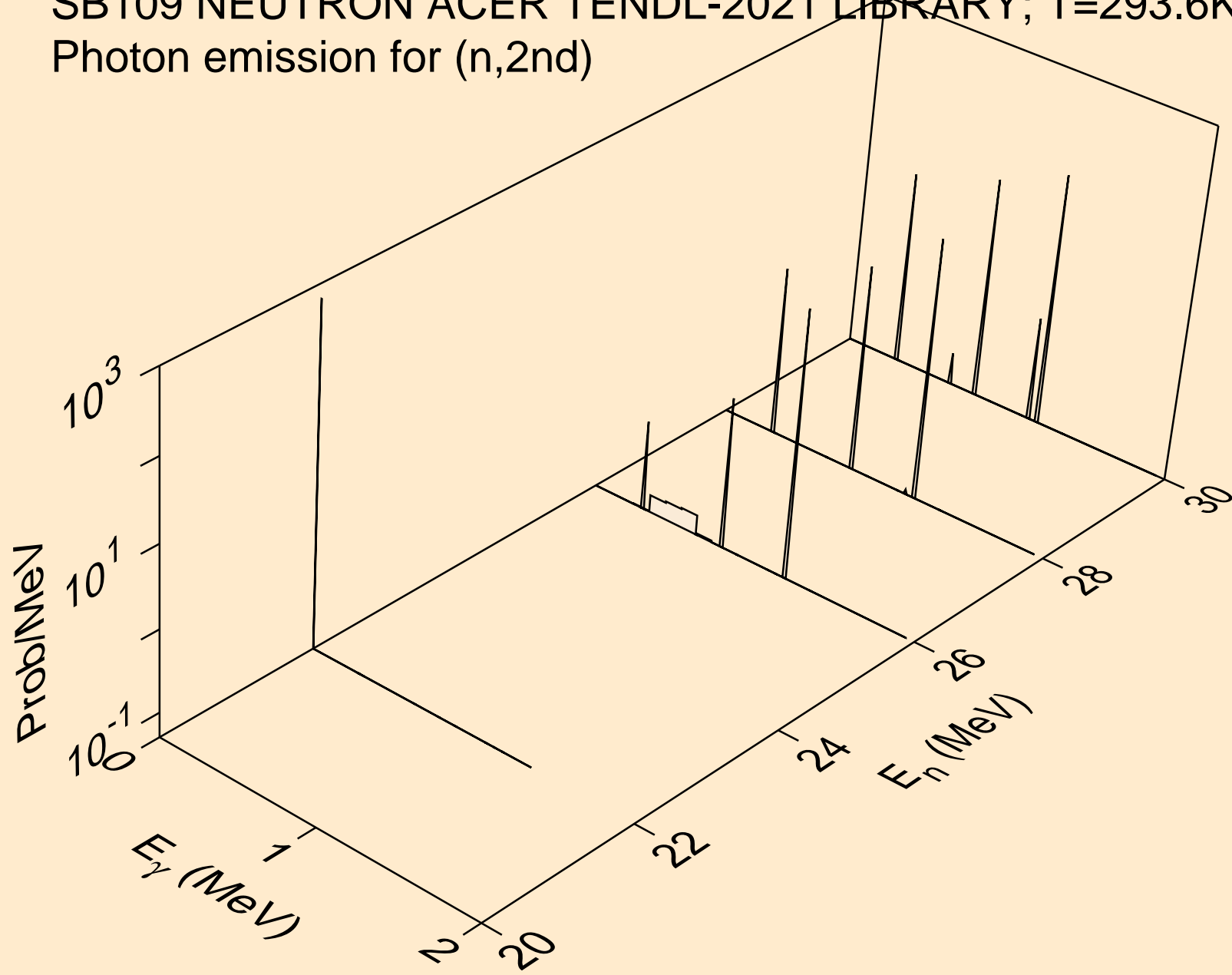


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

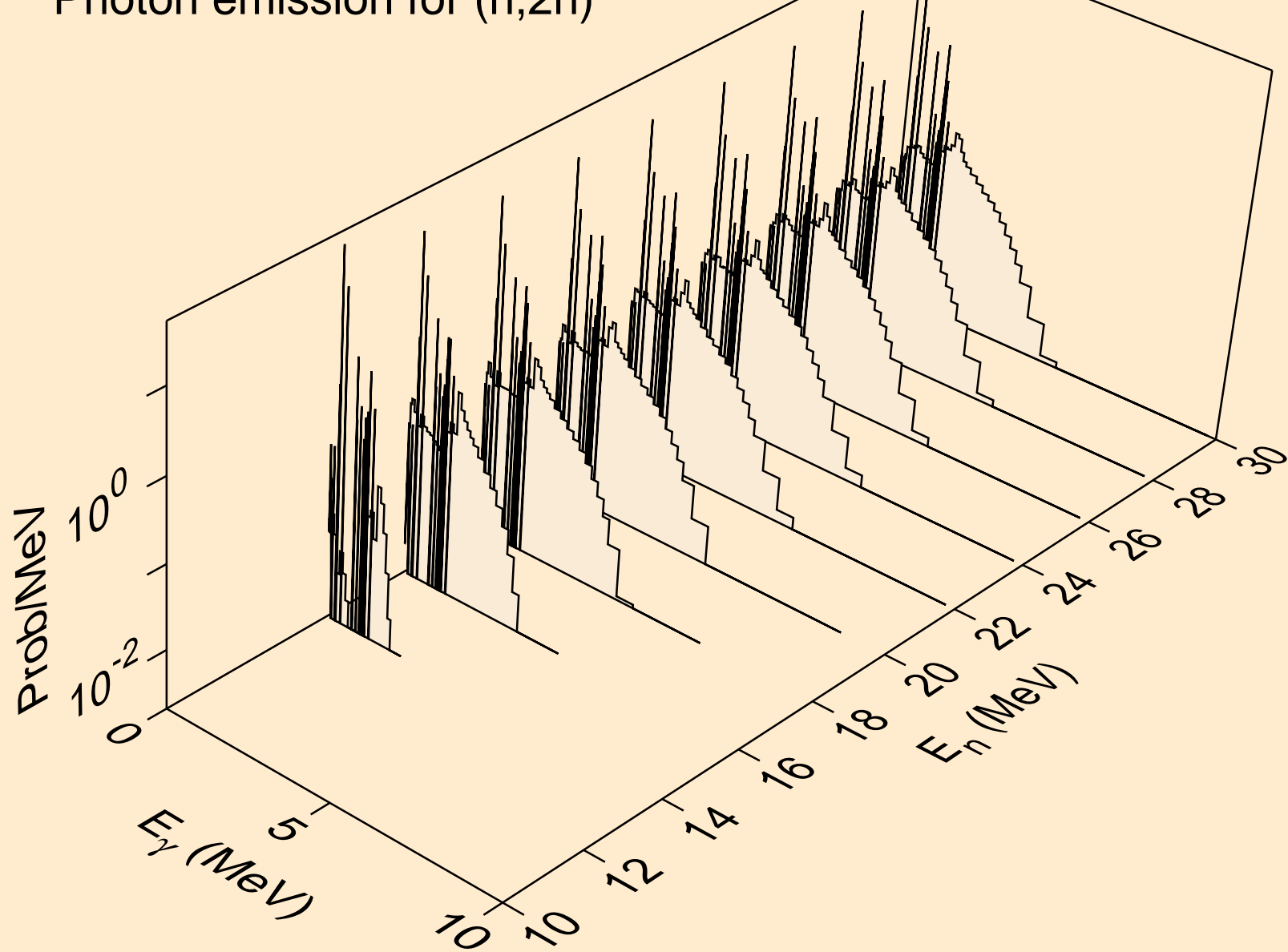




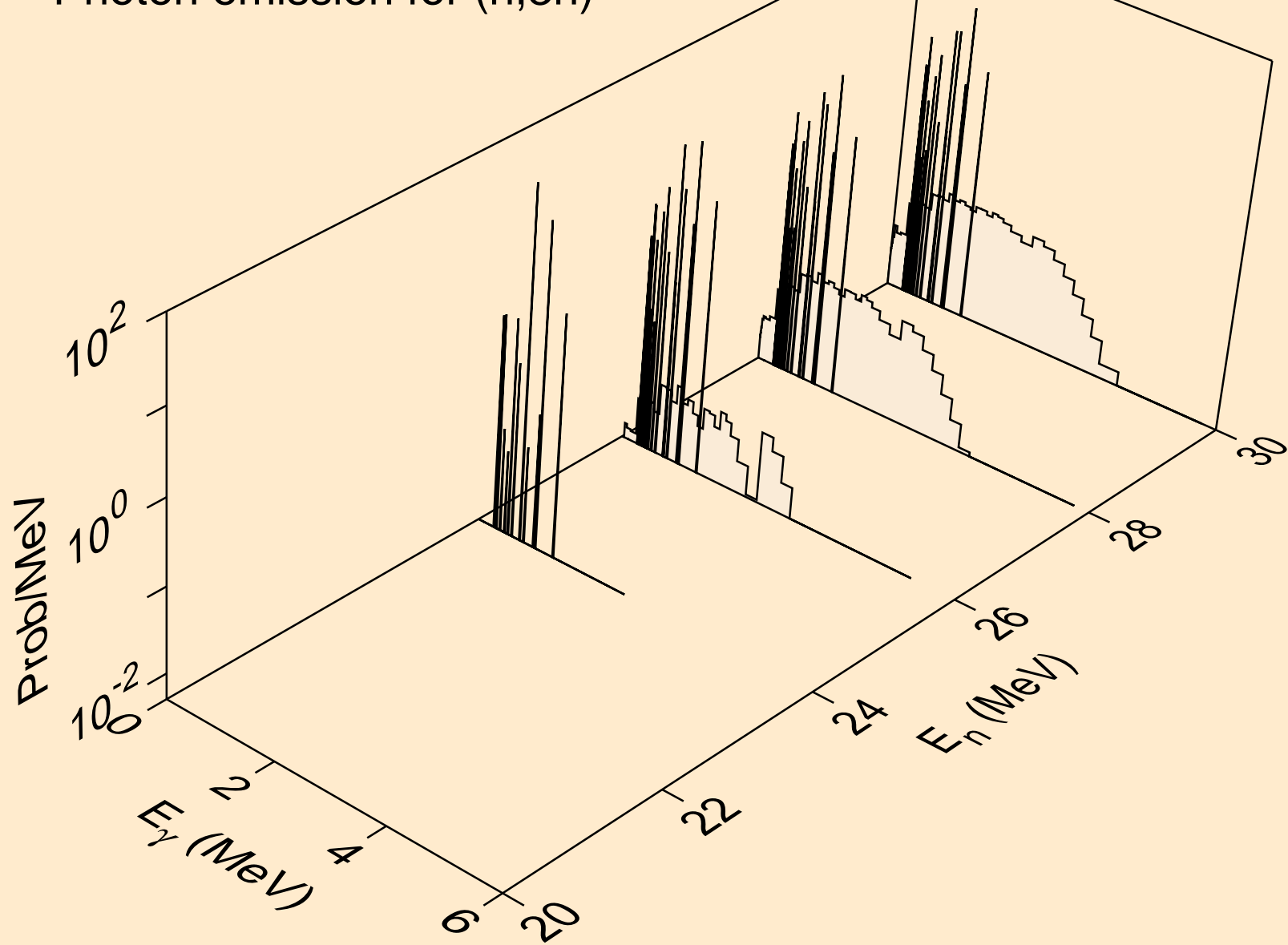
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



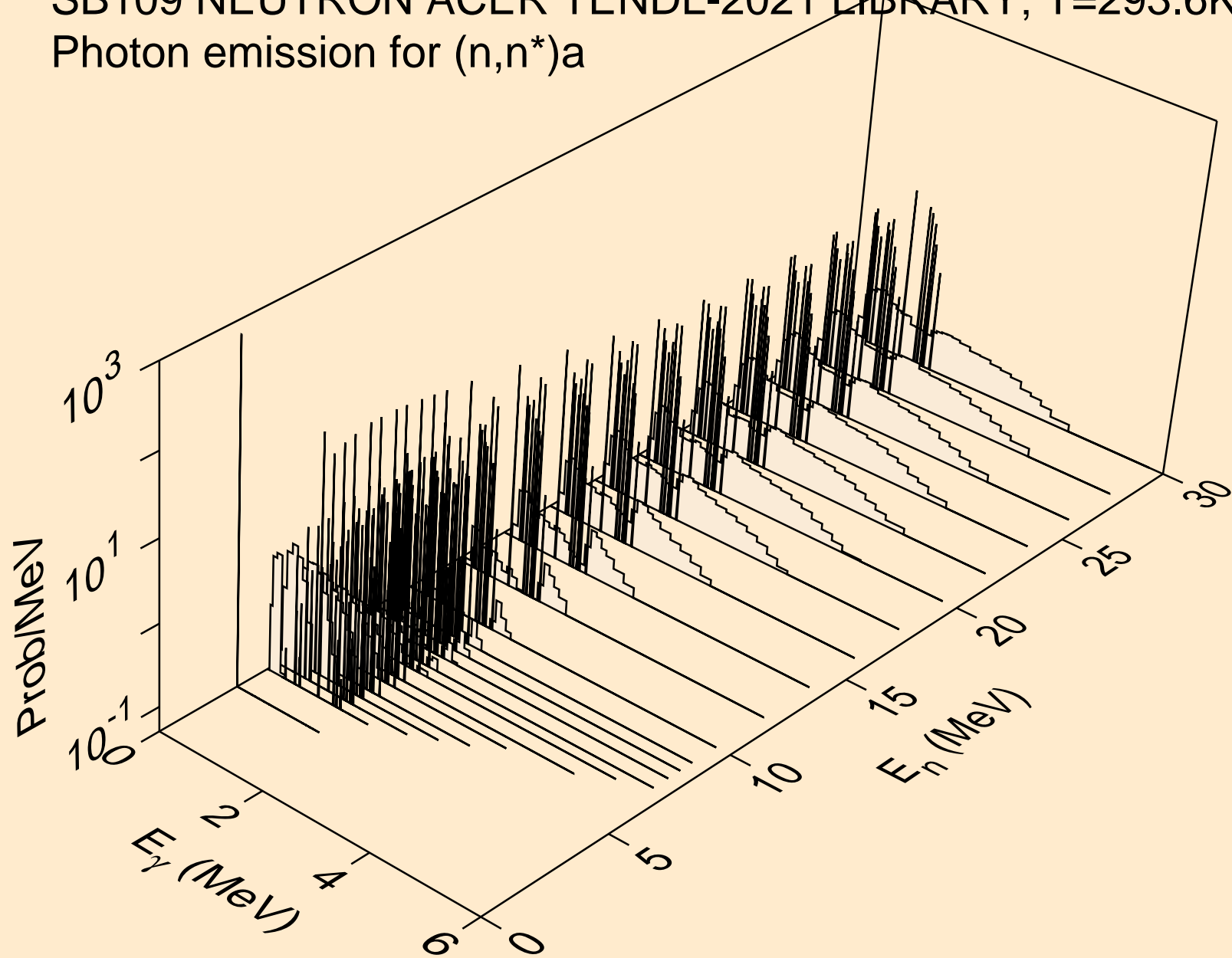
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



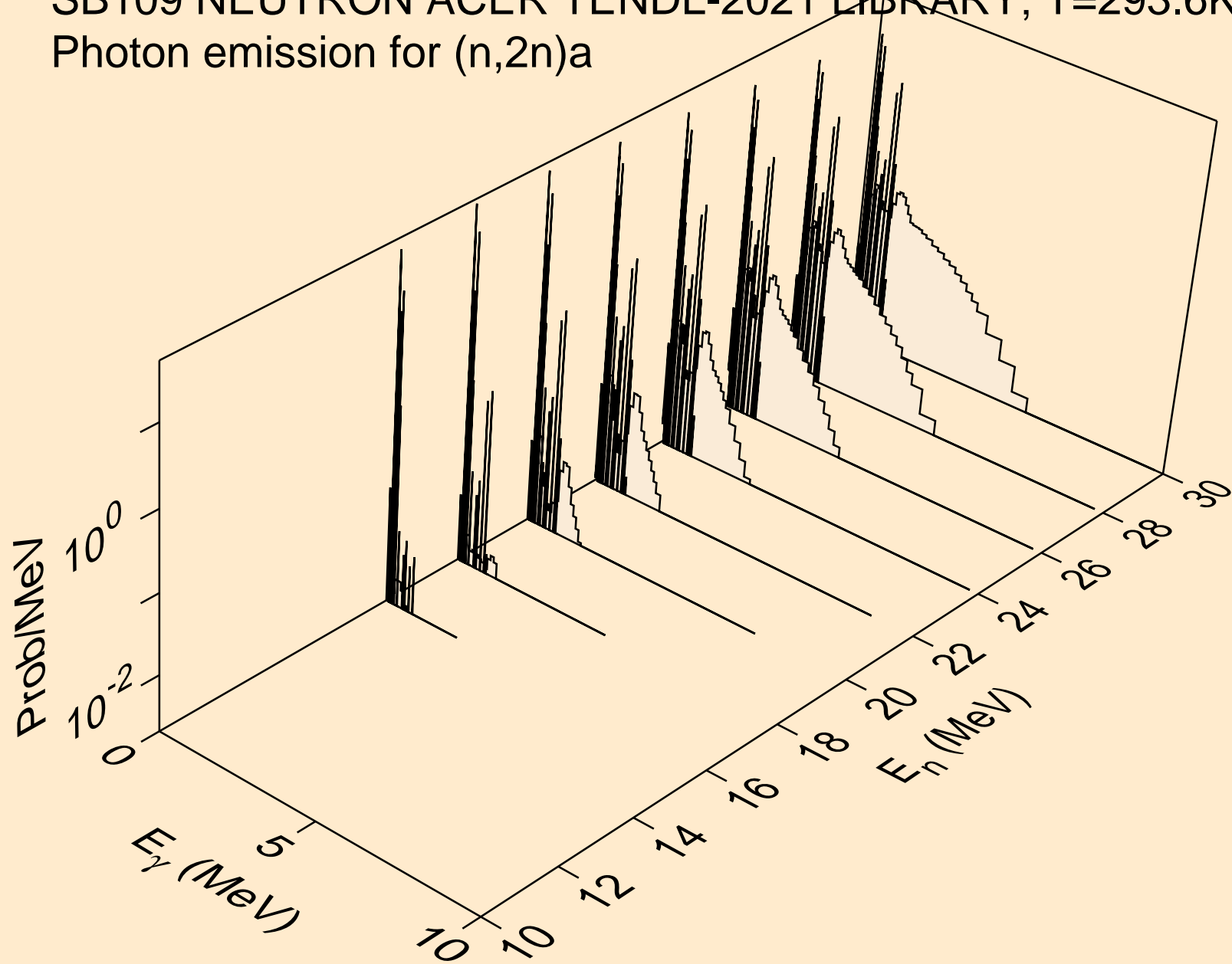
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Photon emission for (n,3n)



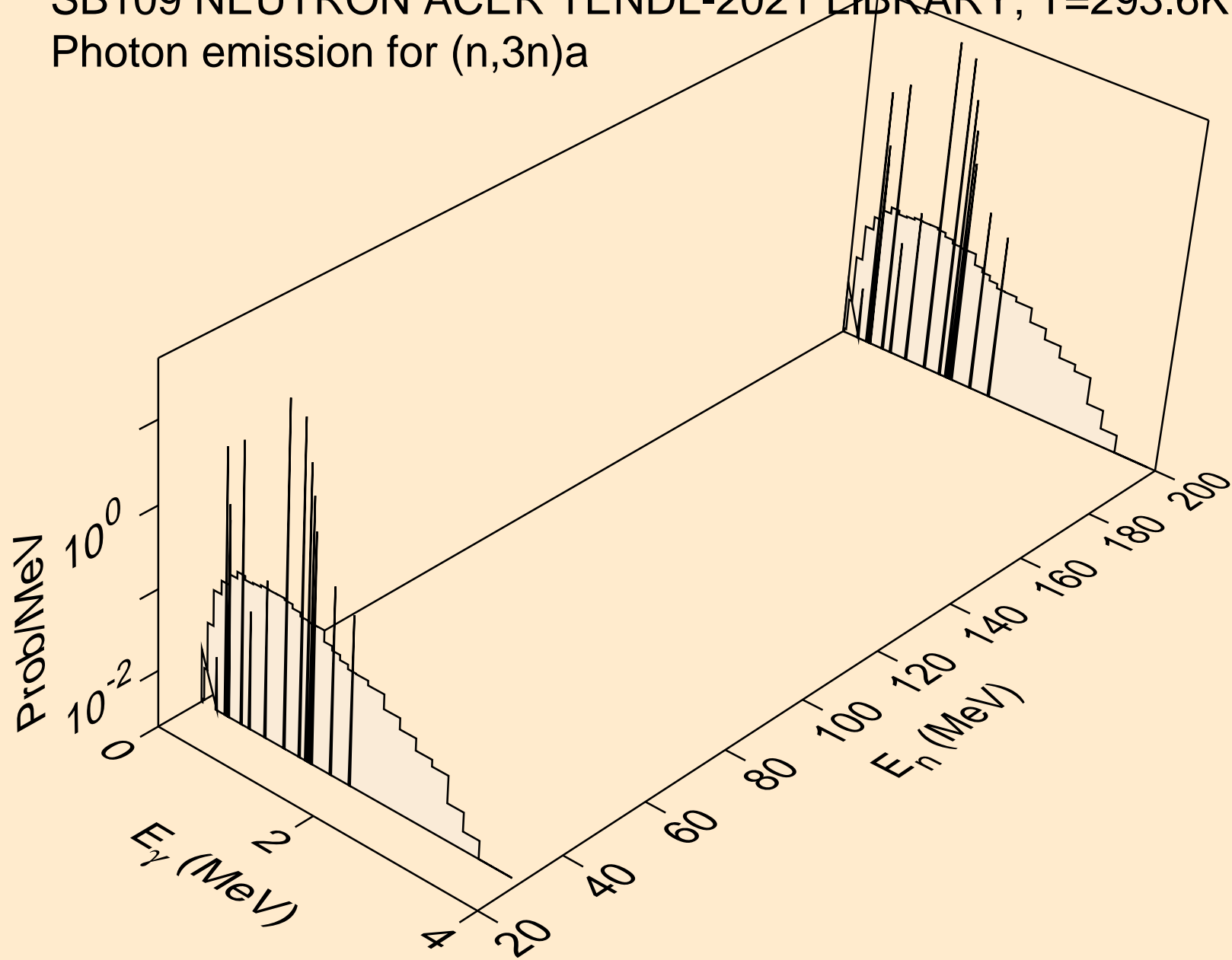
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



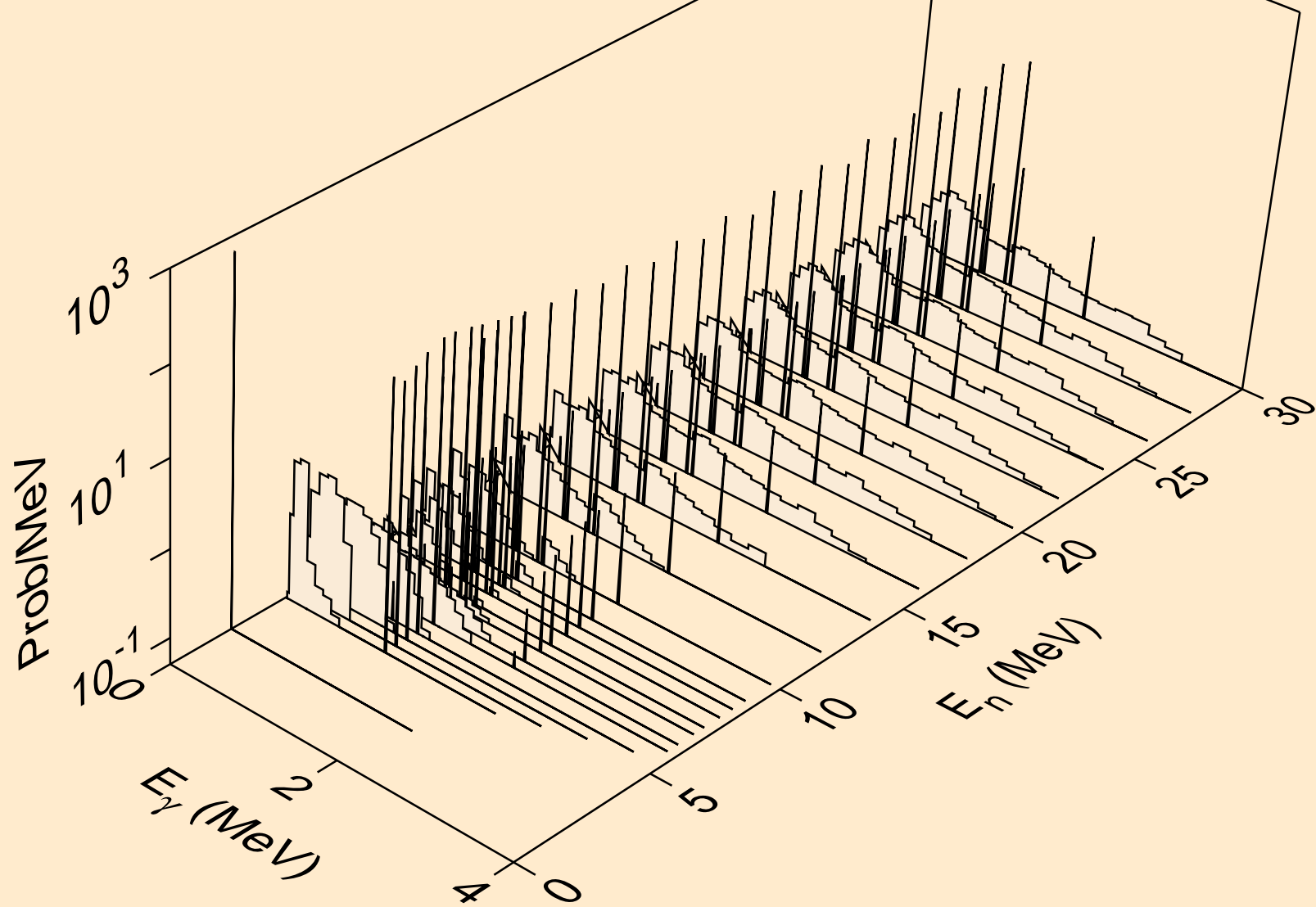
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



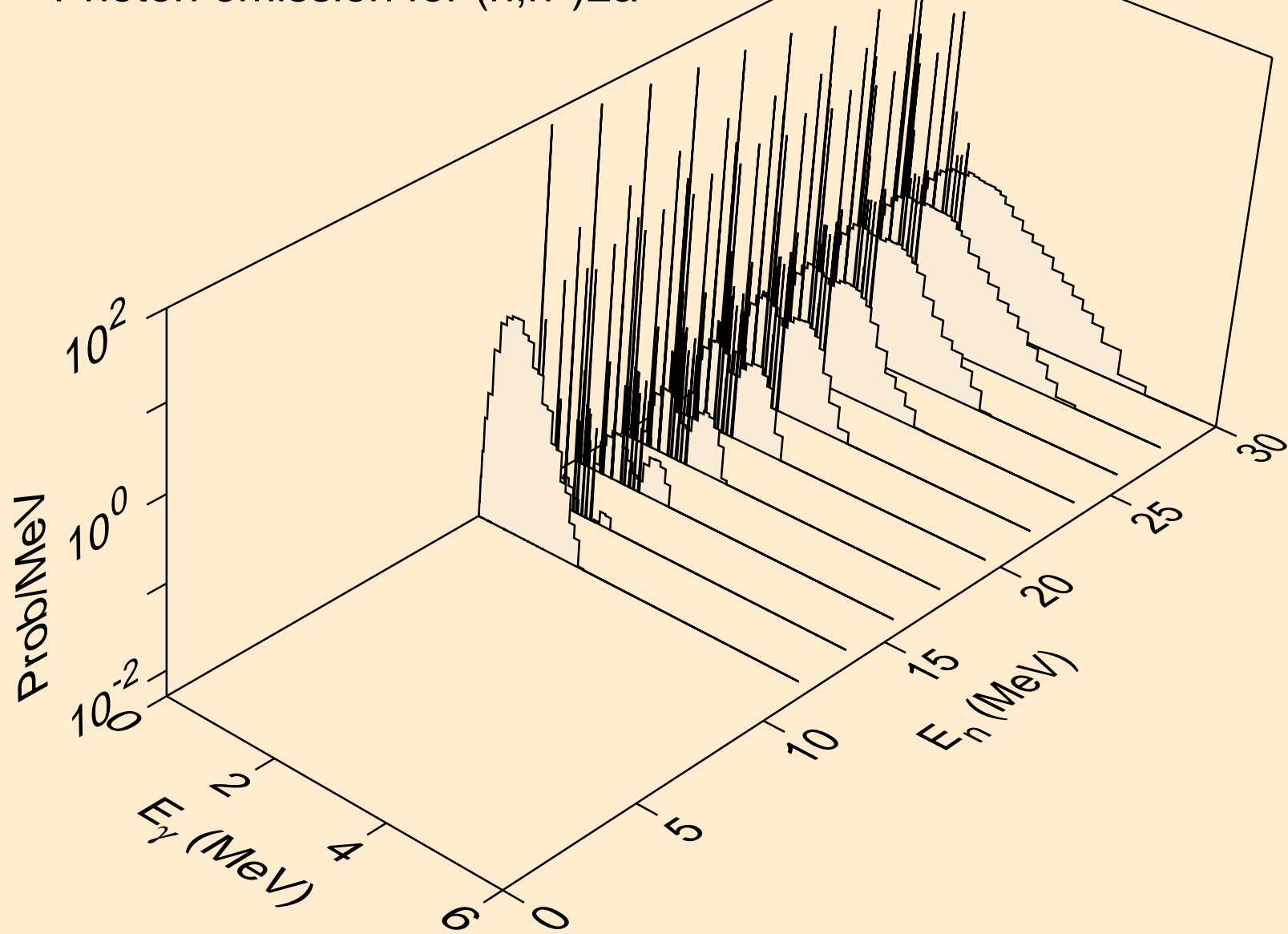
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

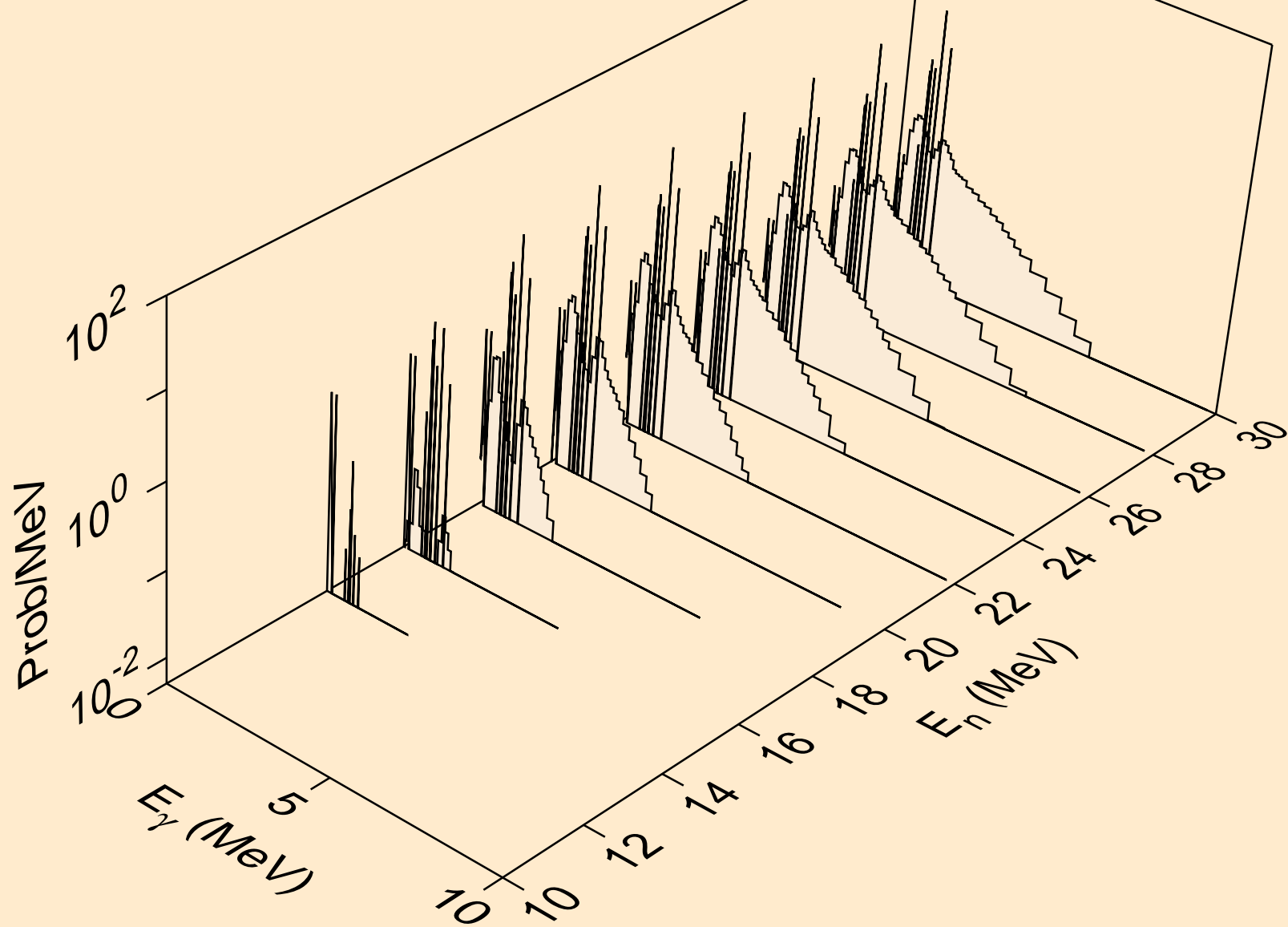


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

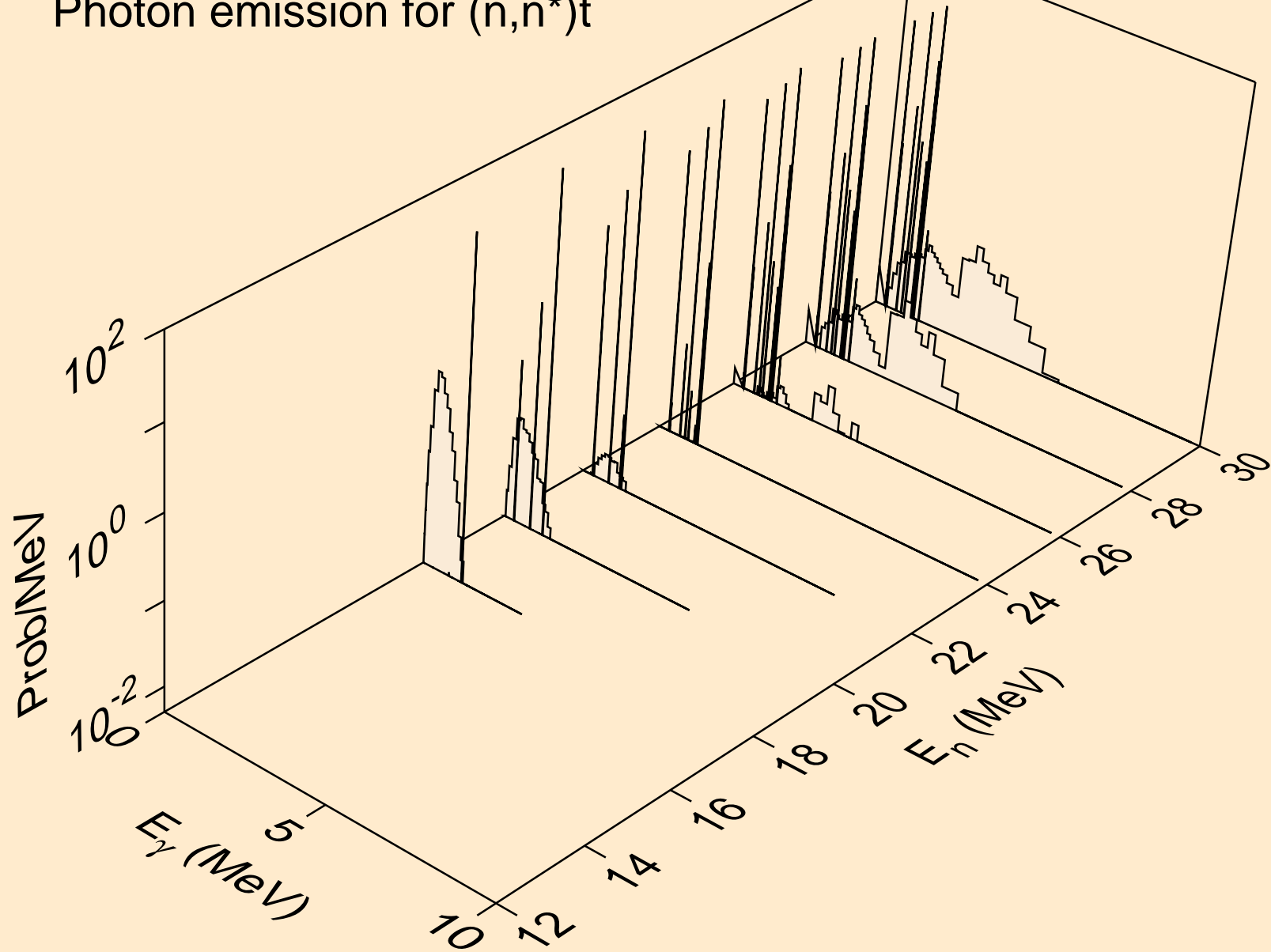




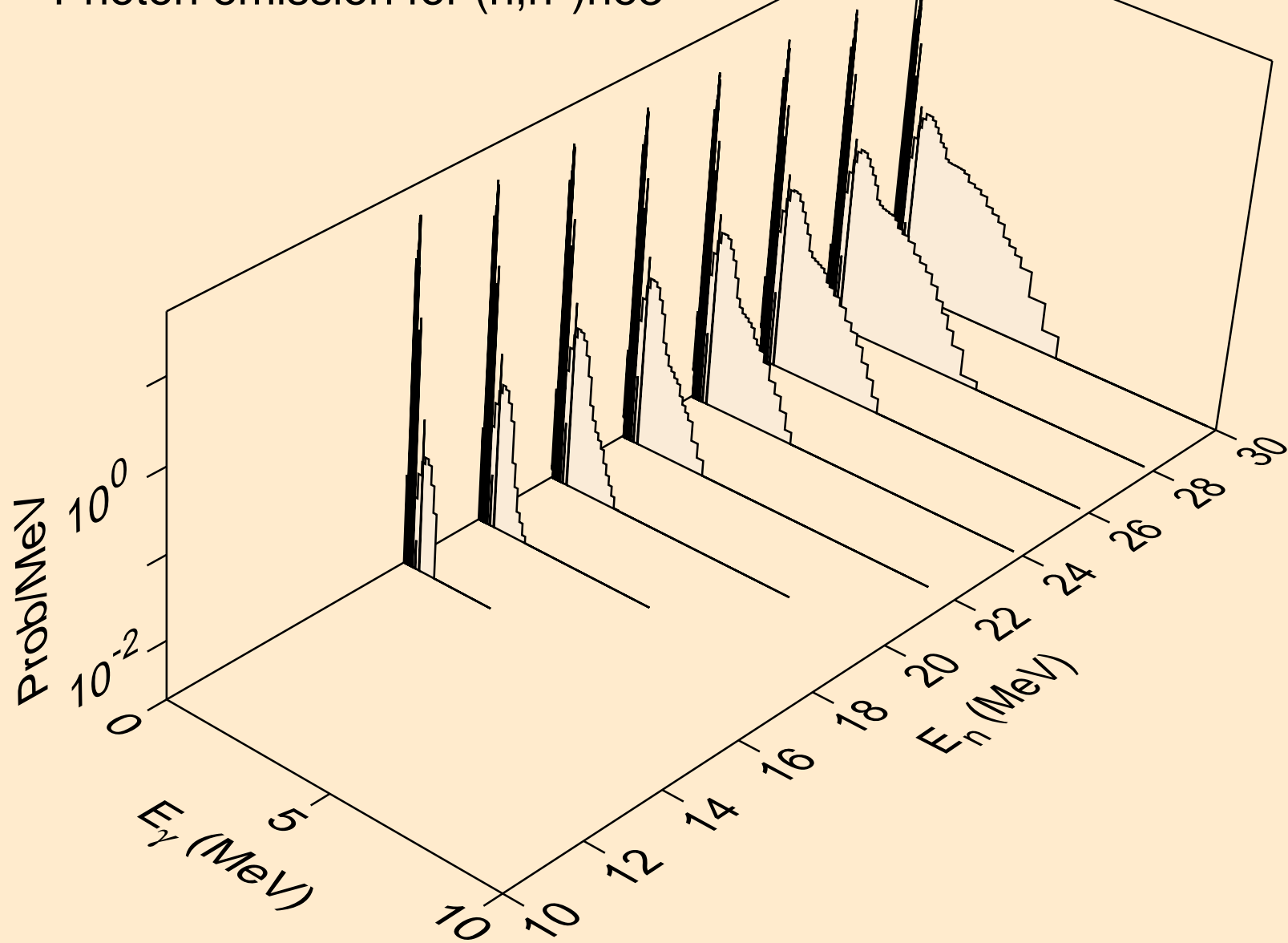
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Photon emission for (n,n\*)d



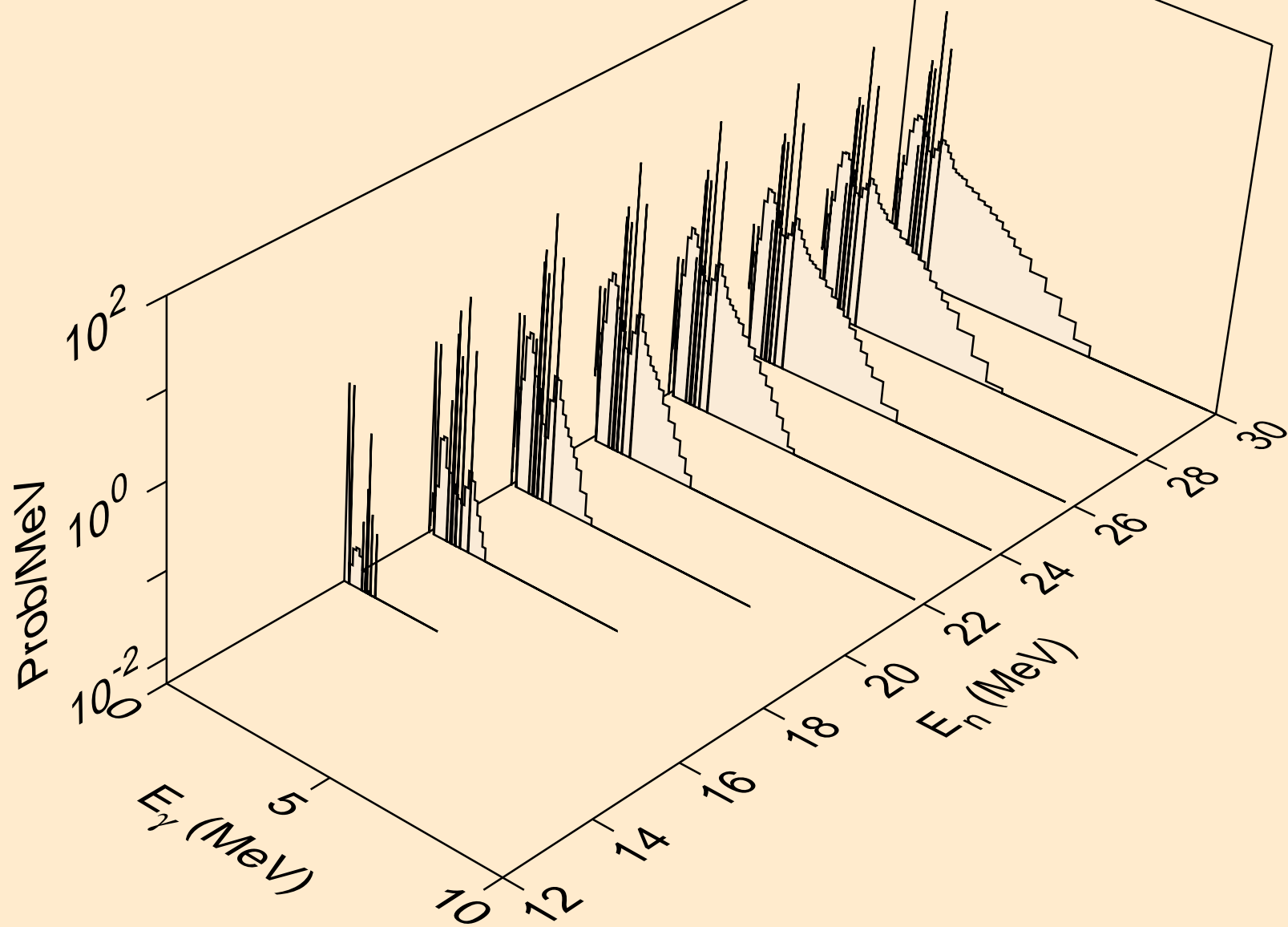
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



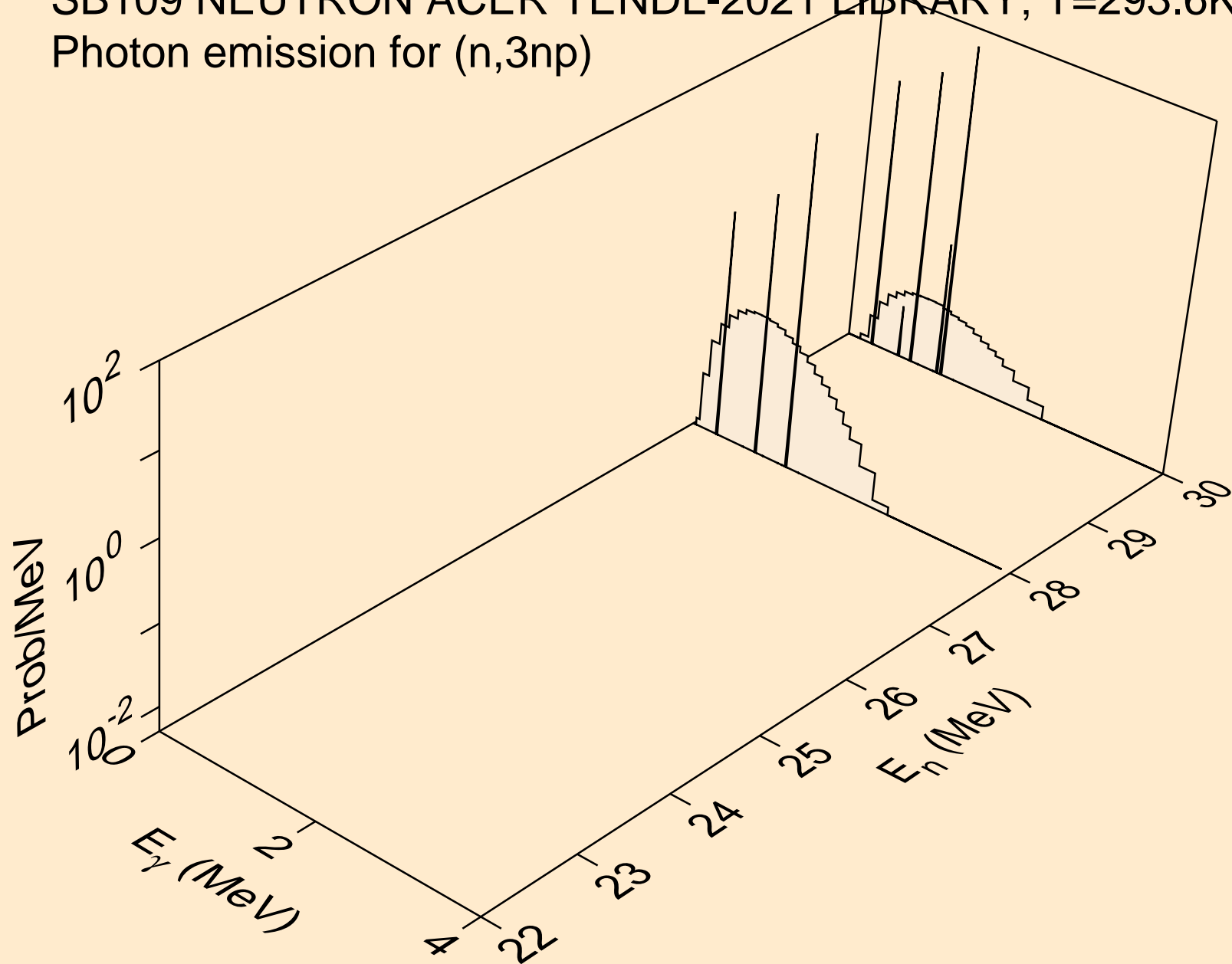
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



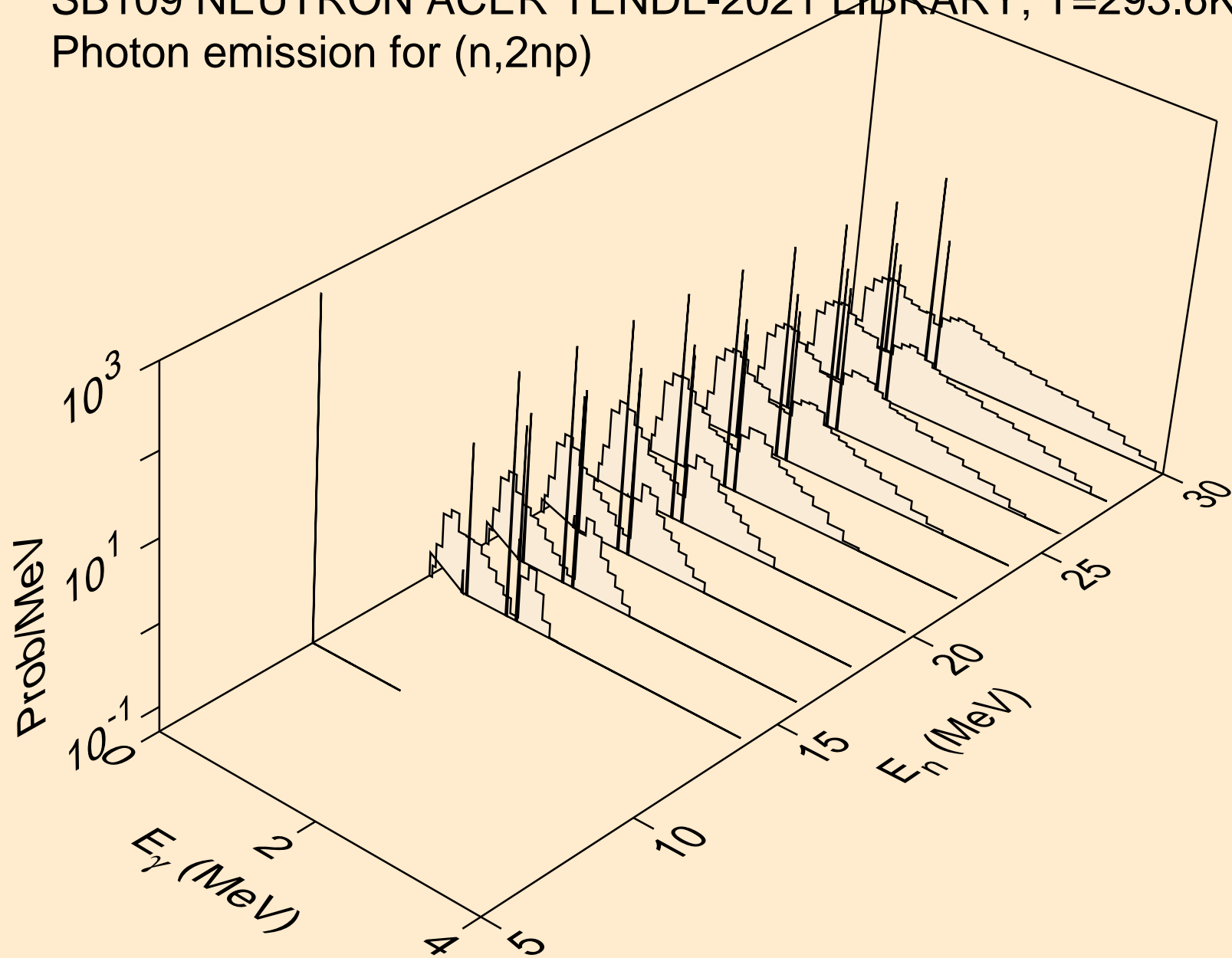
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



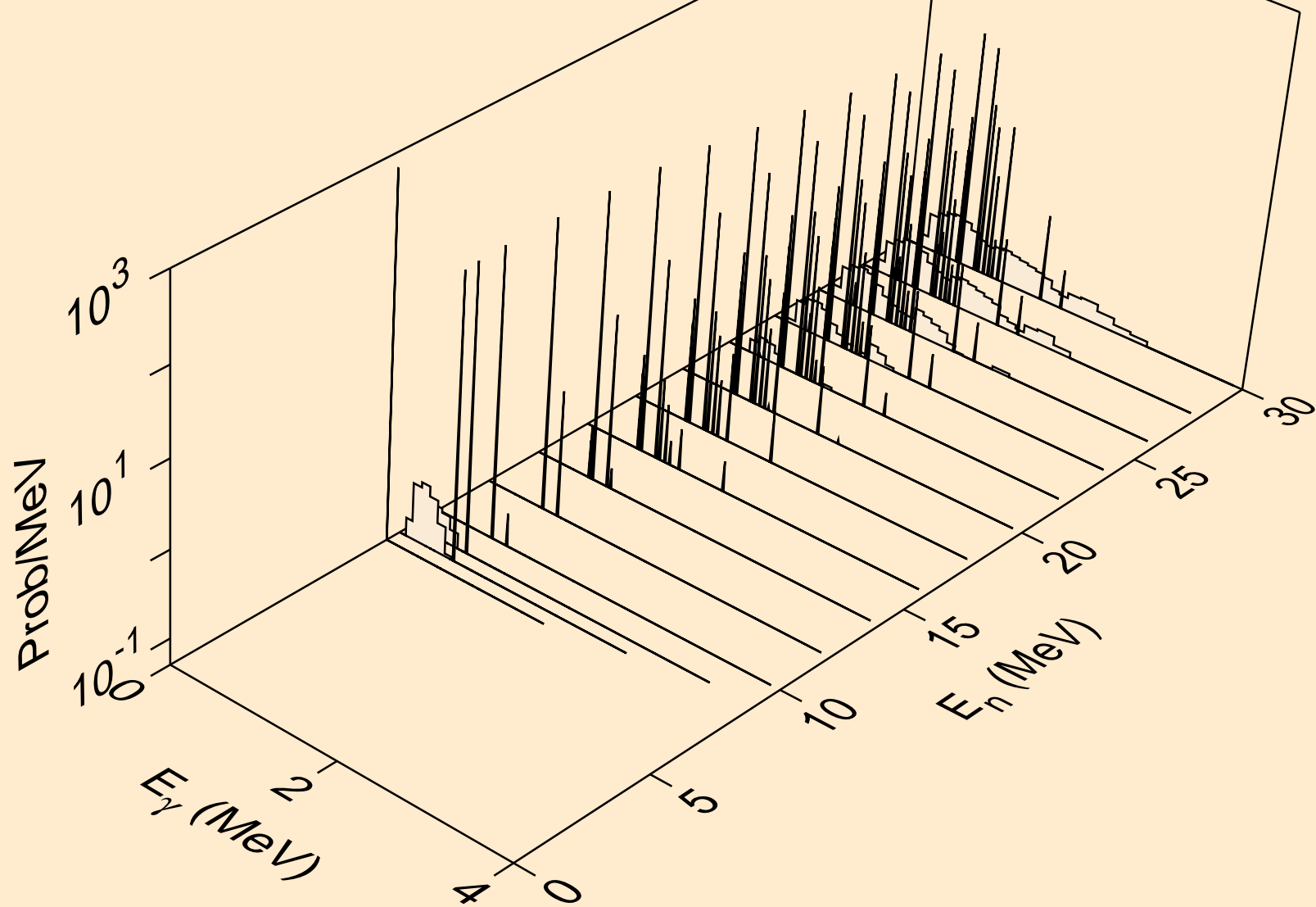
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



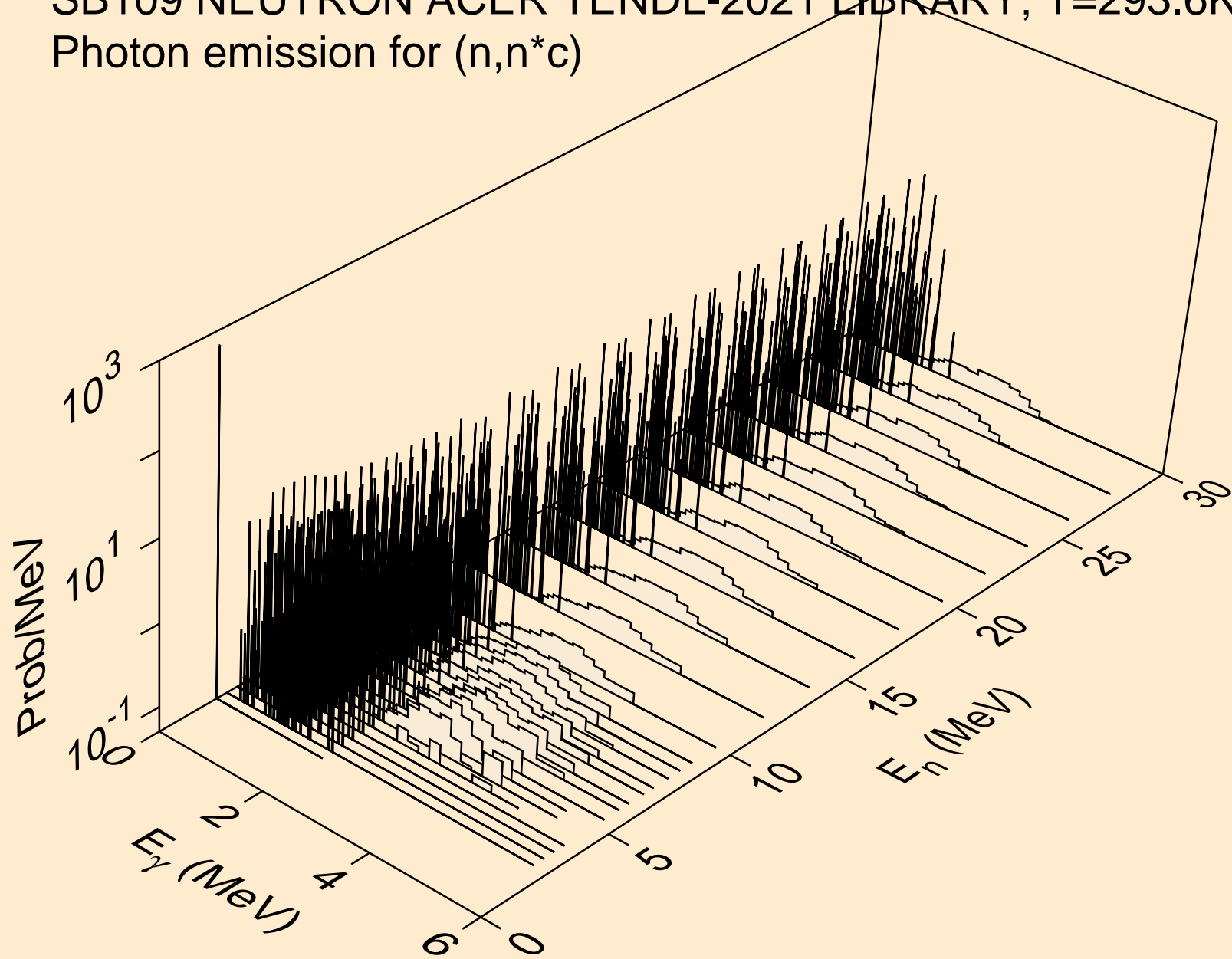
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)

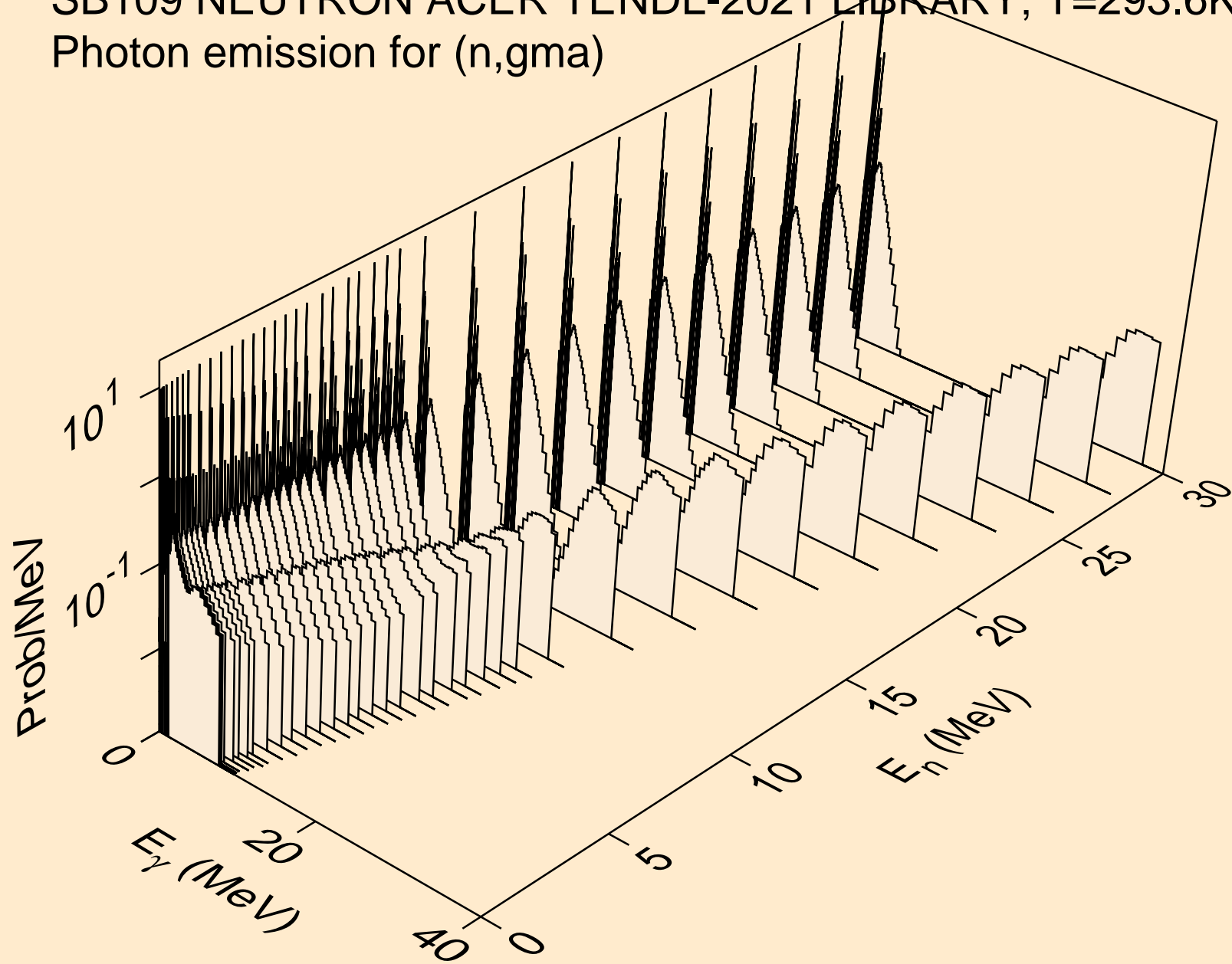


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

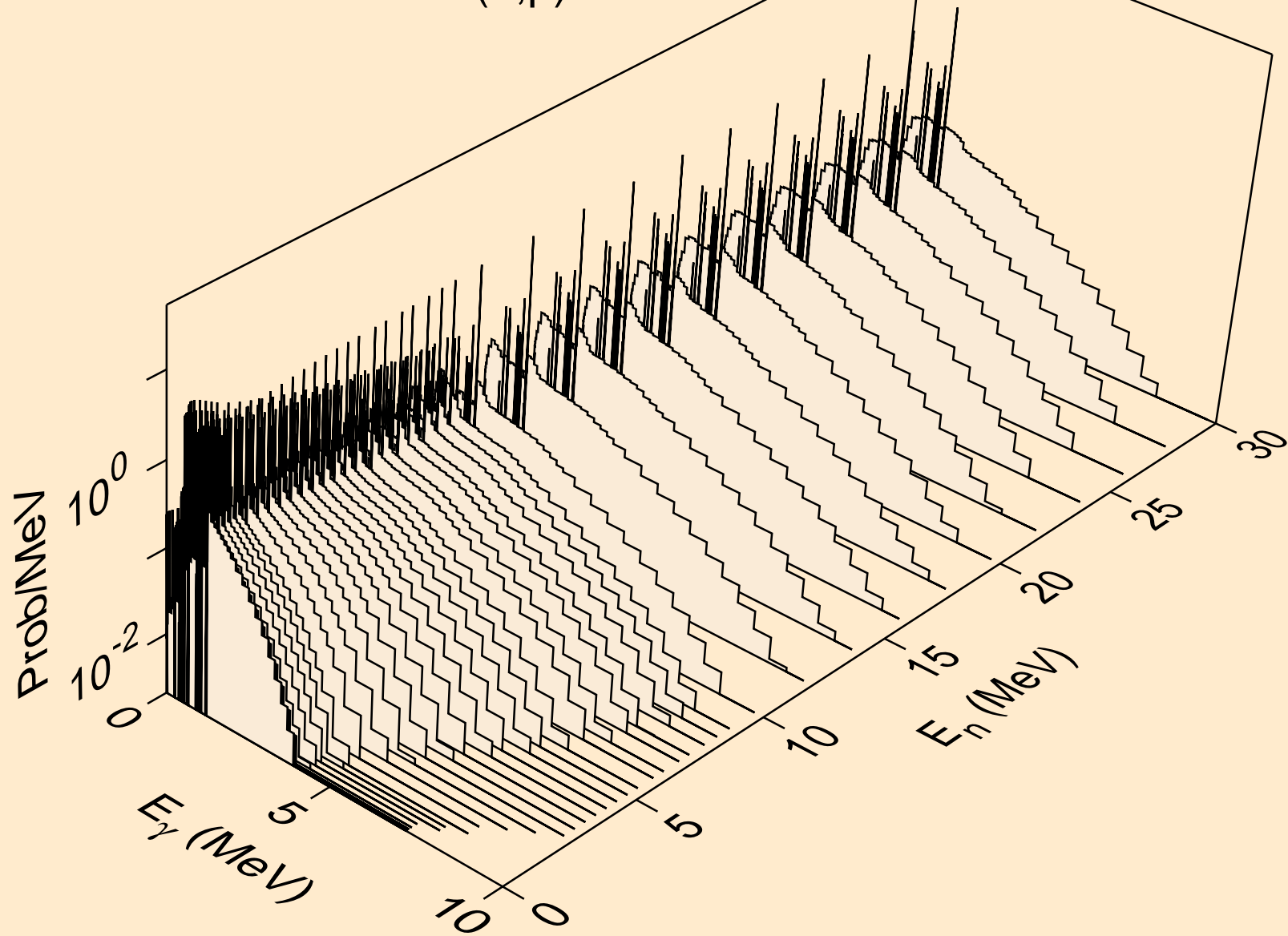




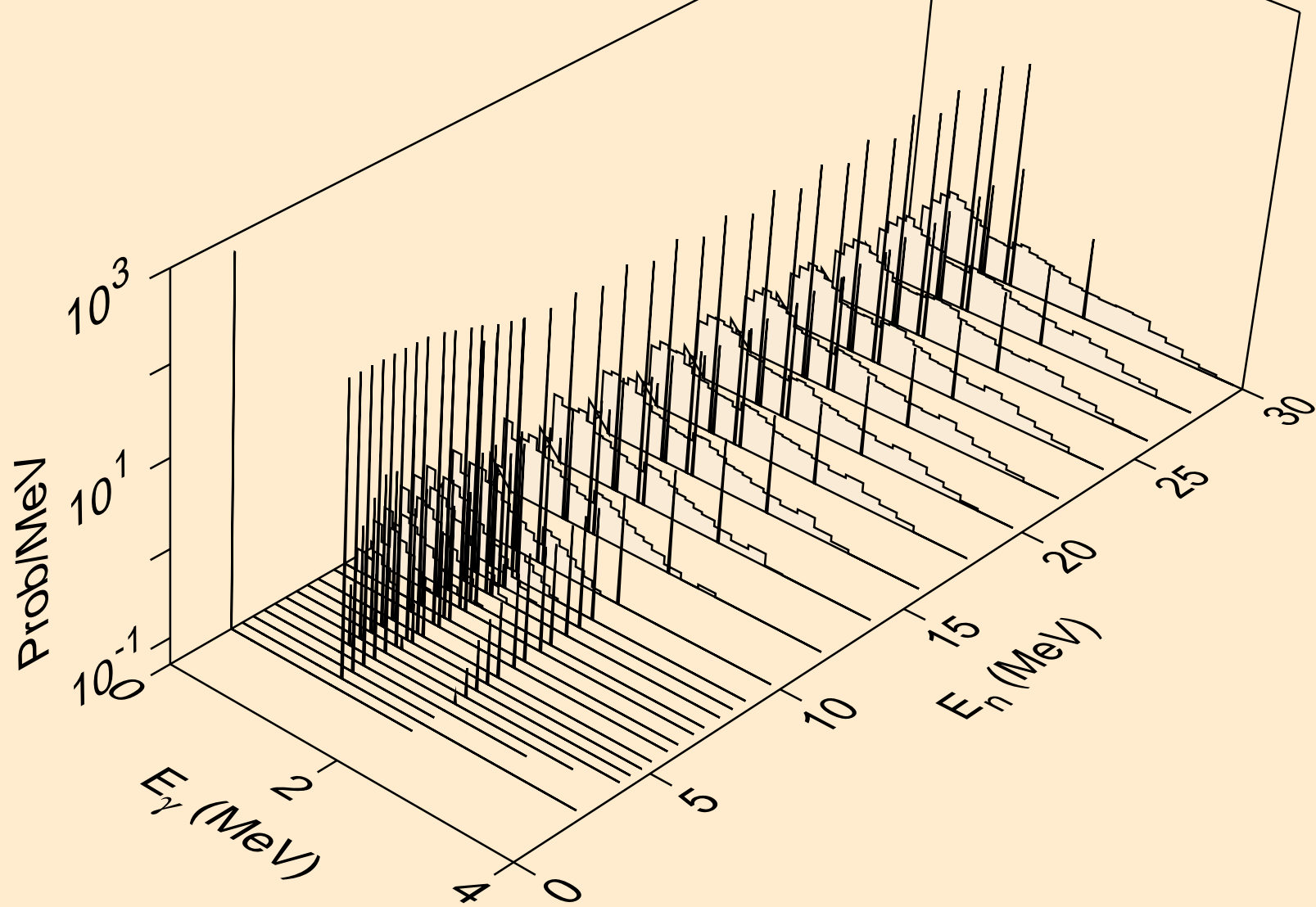
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



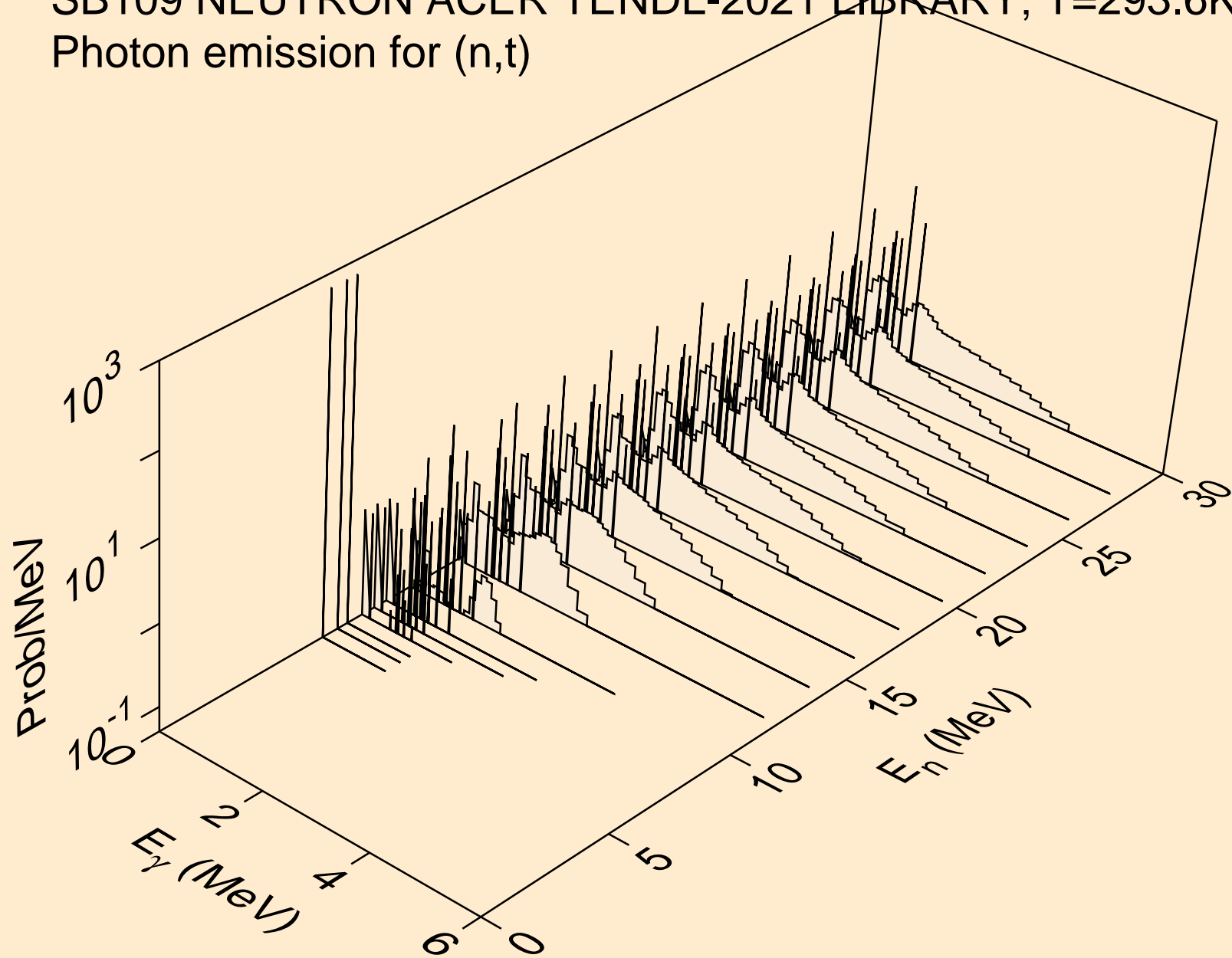
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



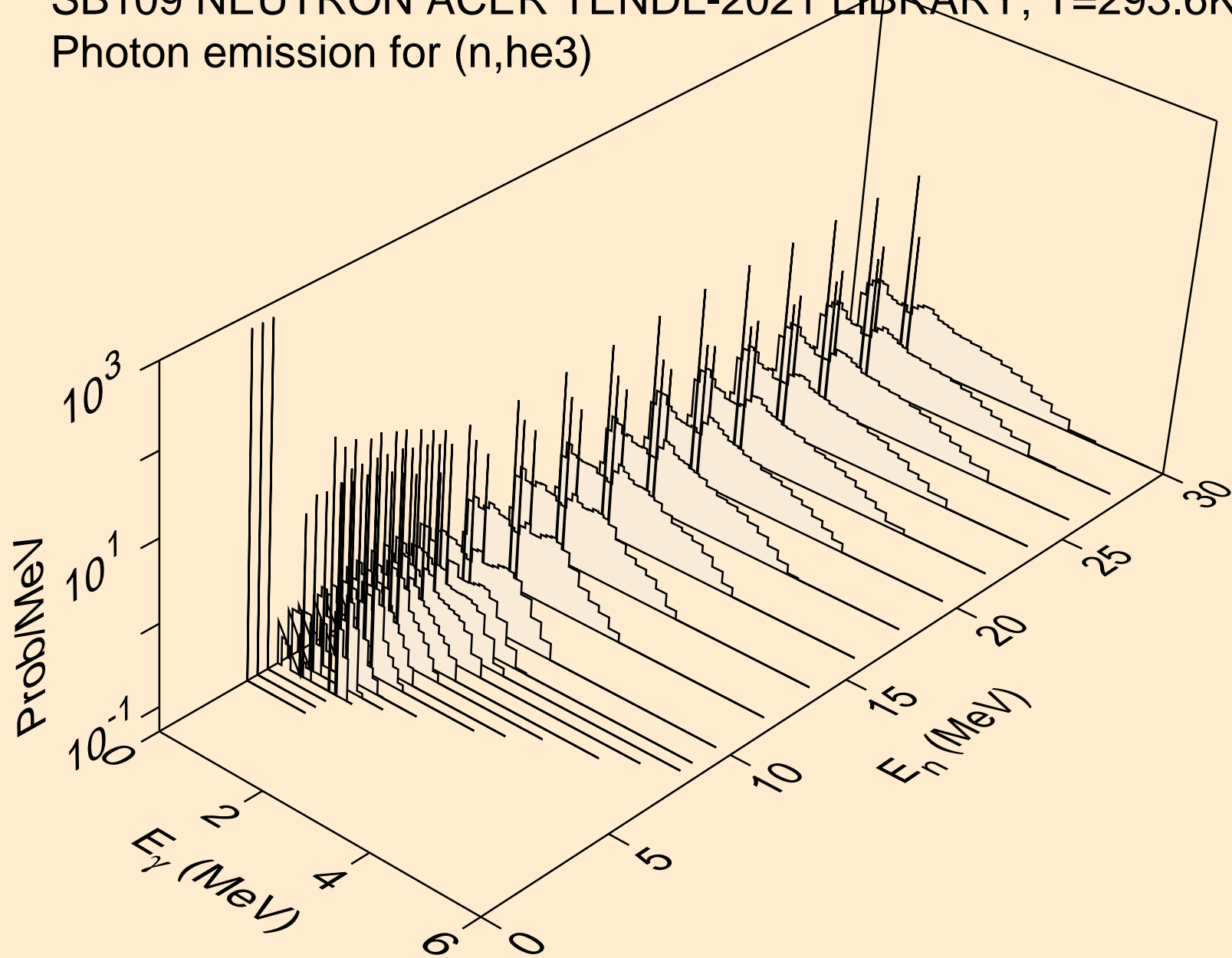
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



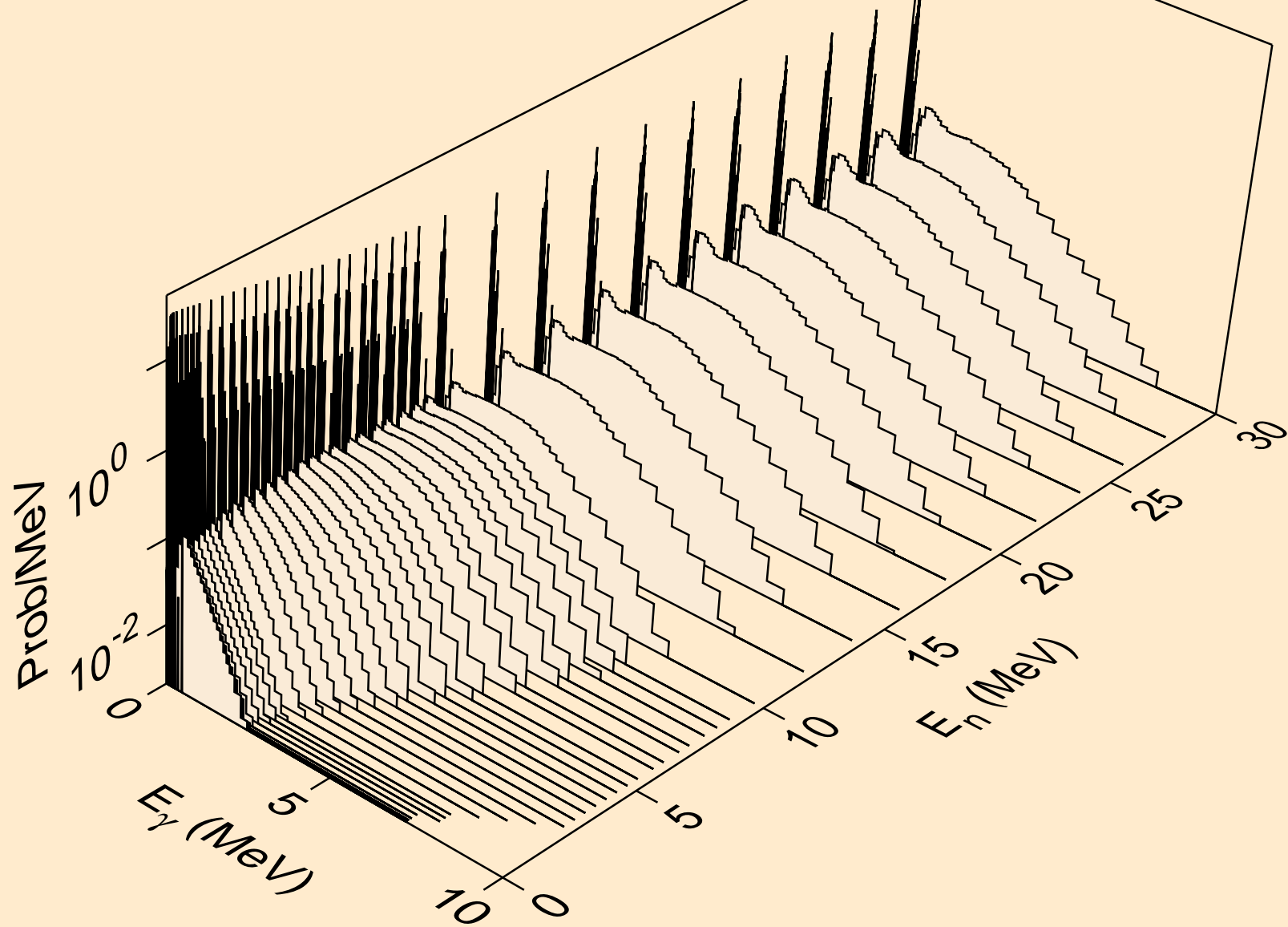
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Photon emission for (n,t)



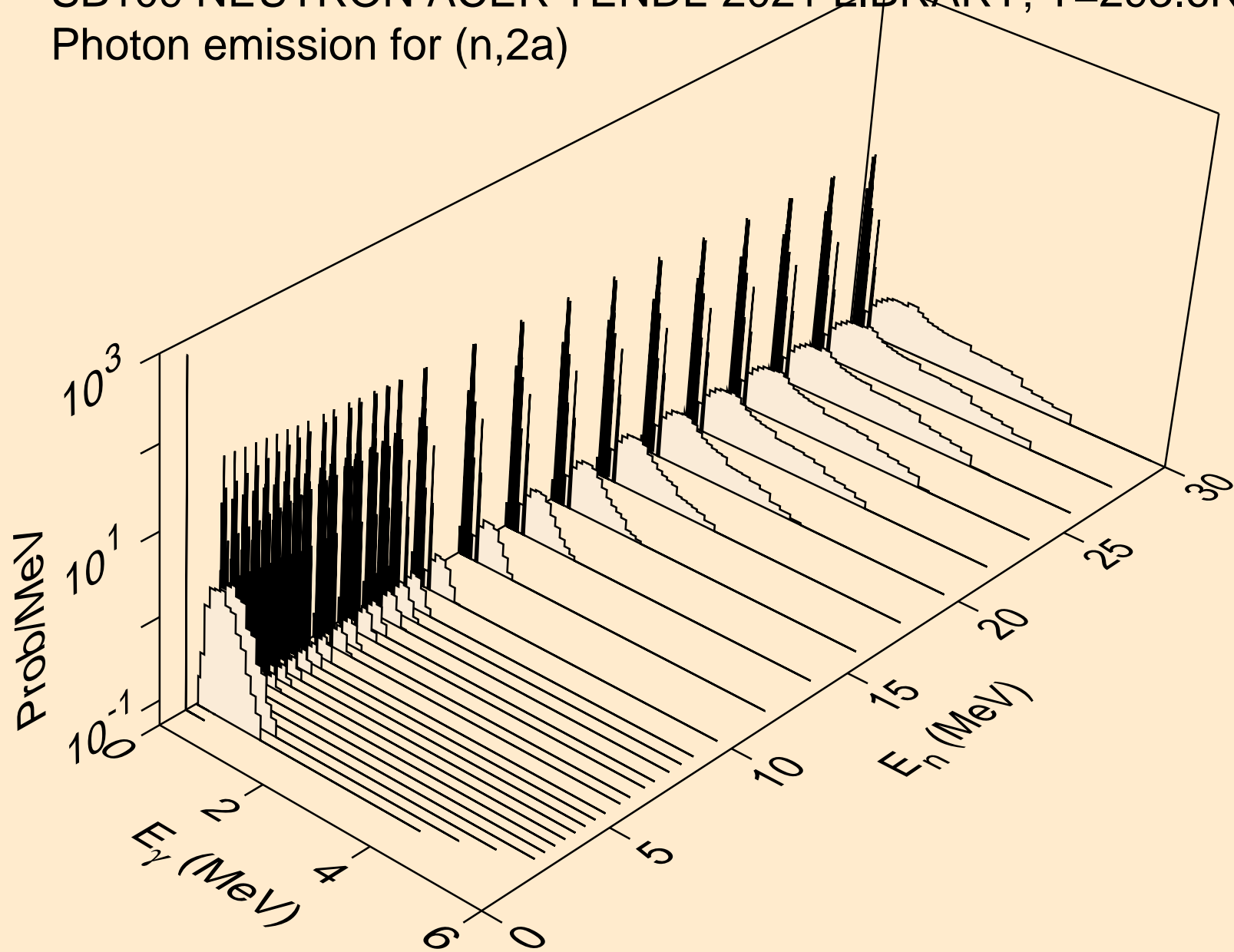
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



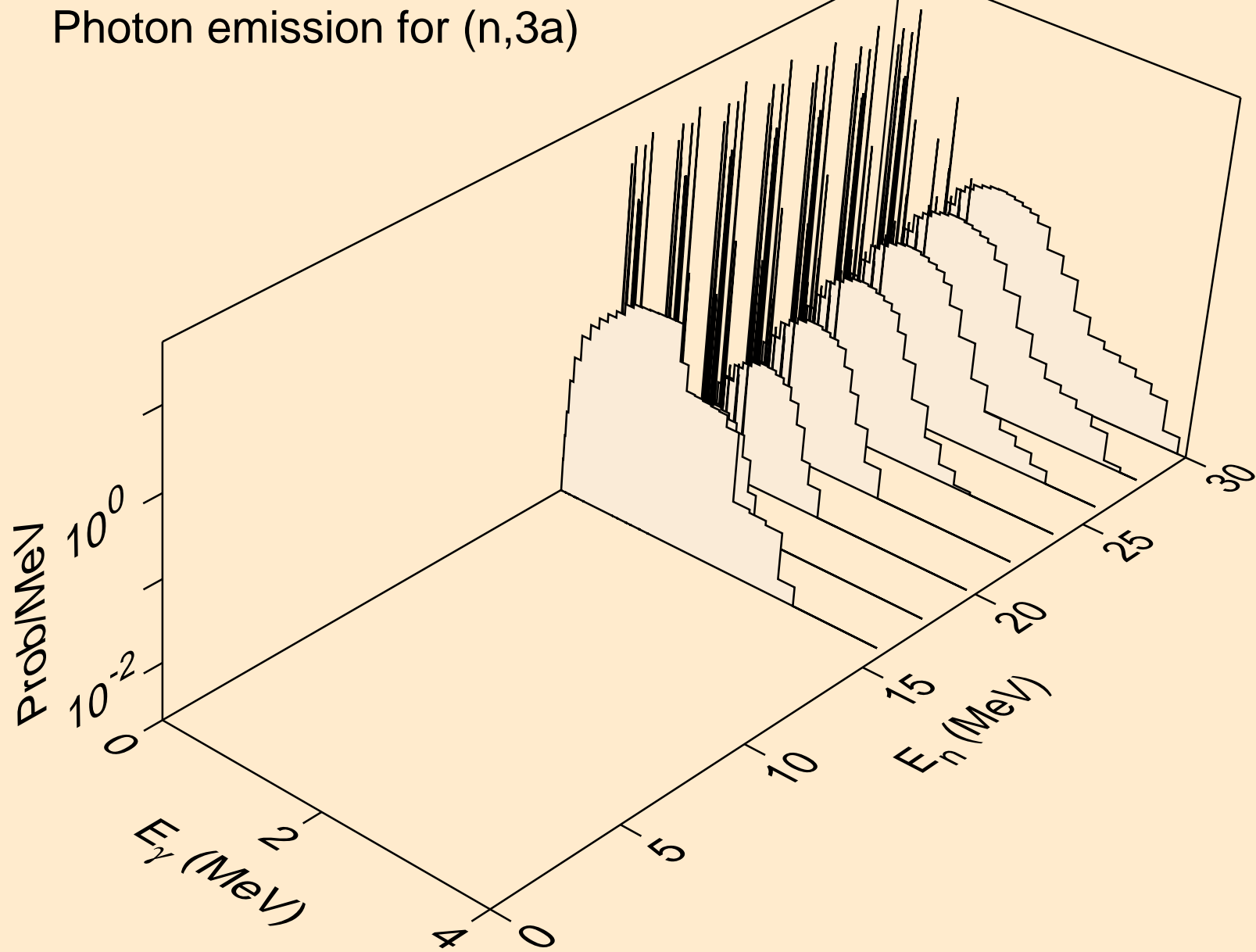
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)

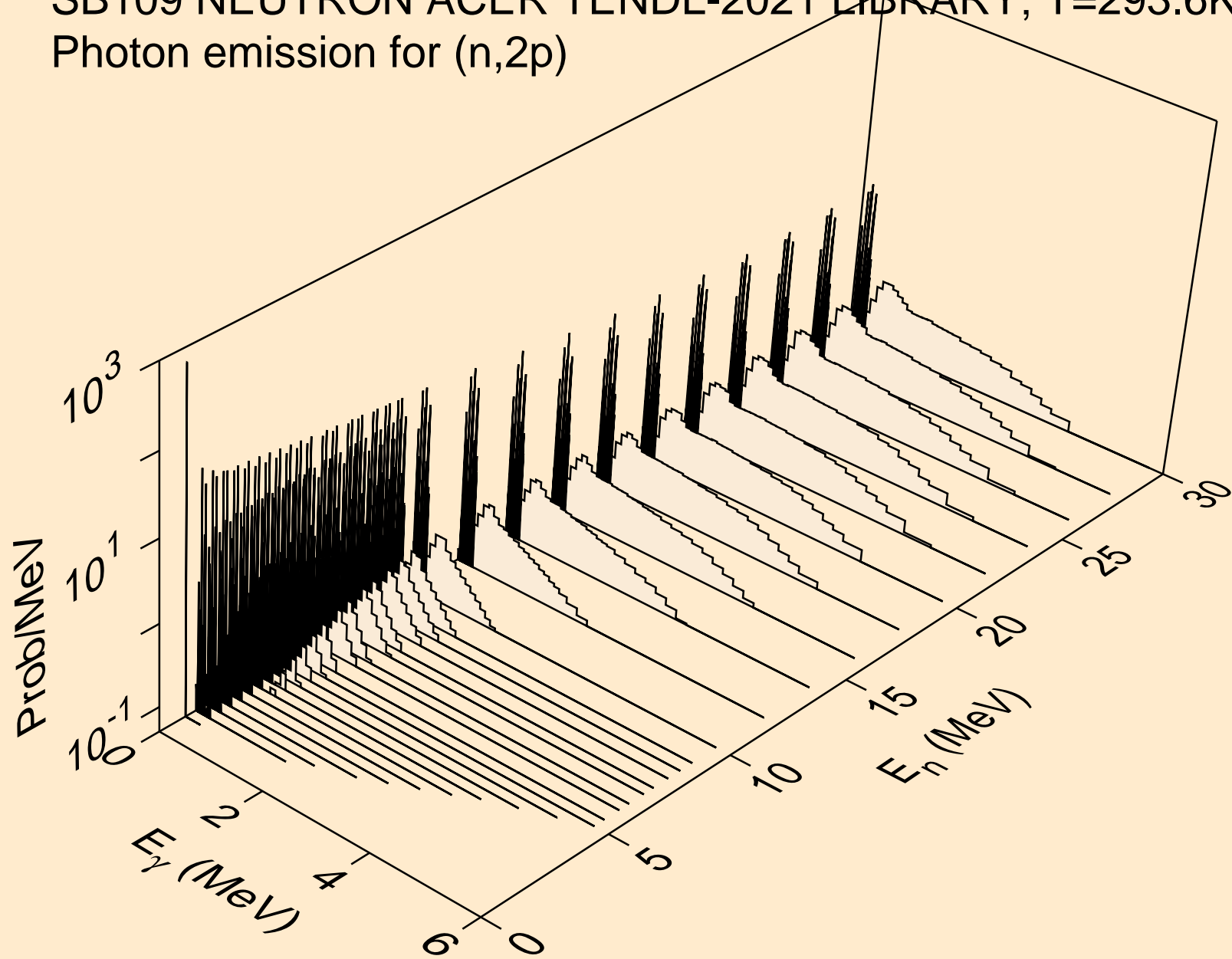


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)

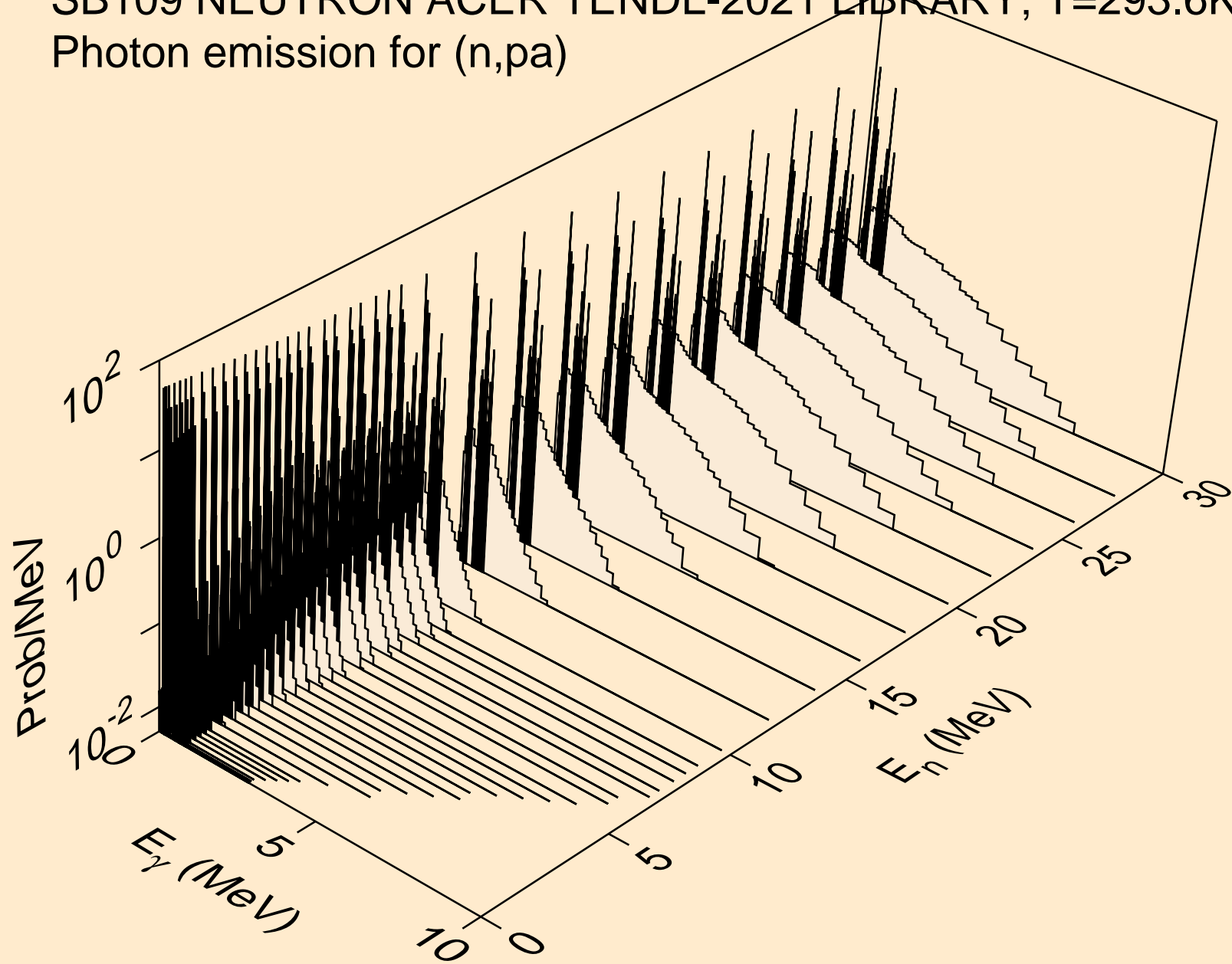




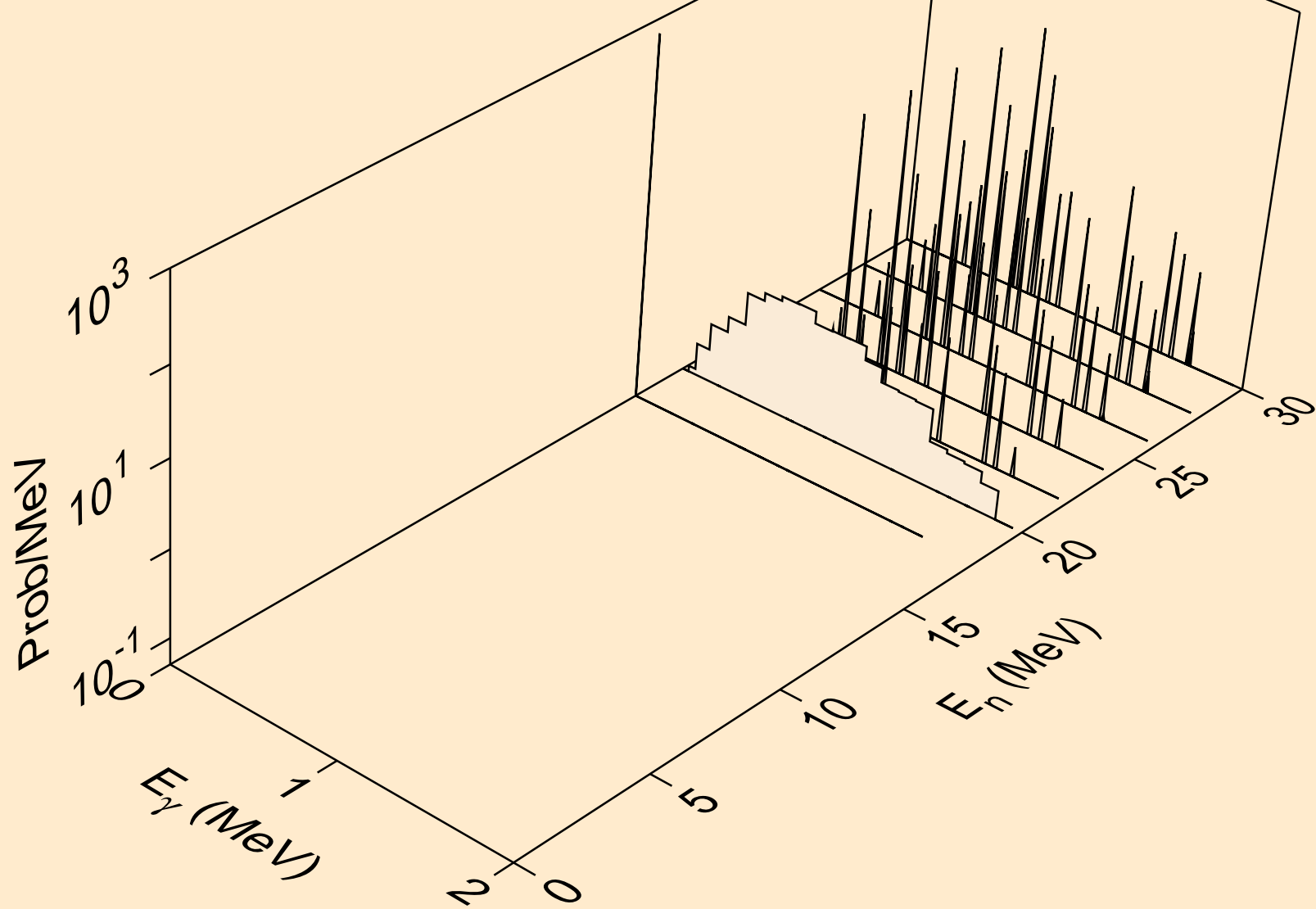
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



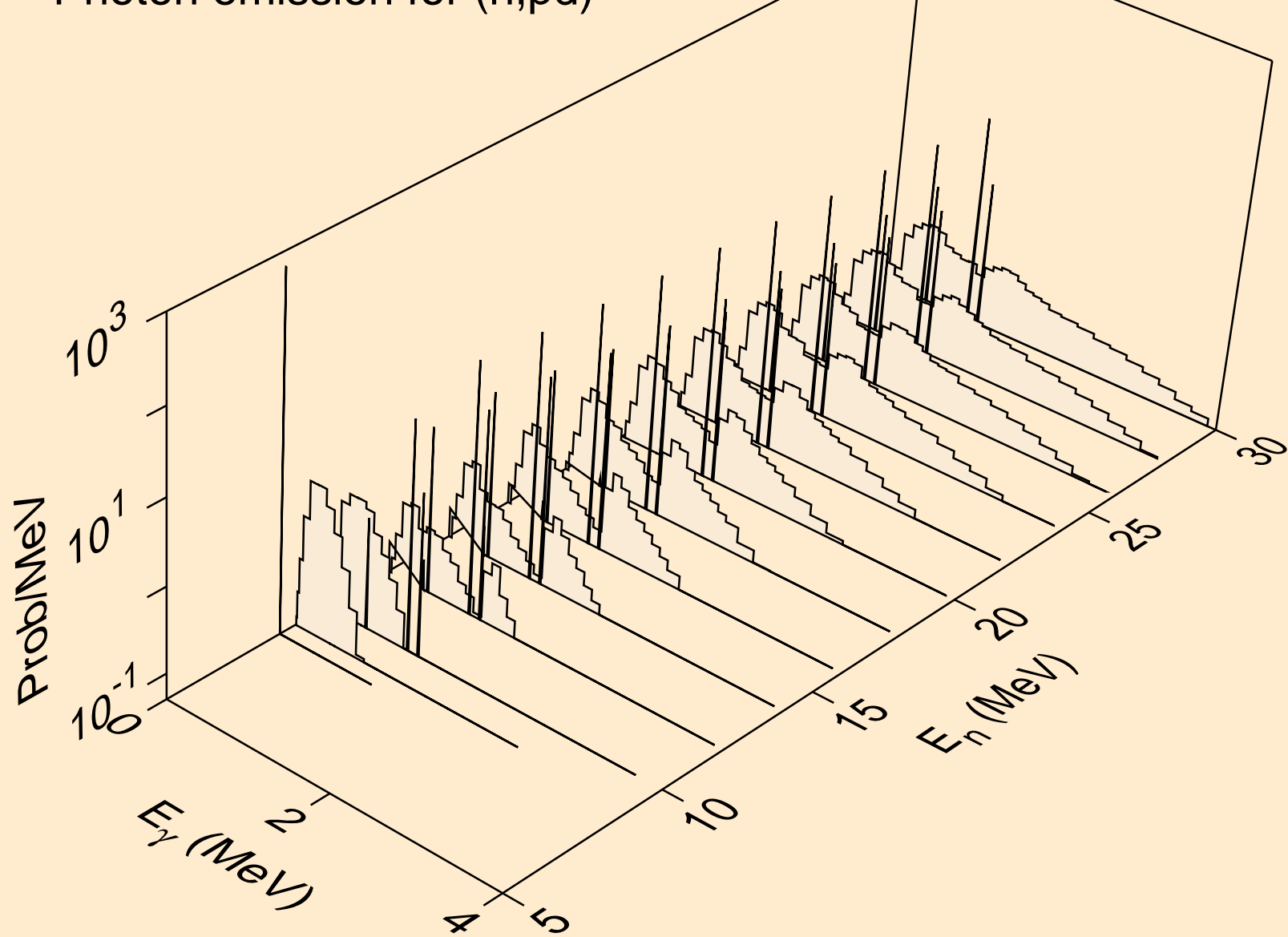
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



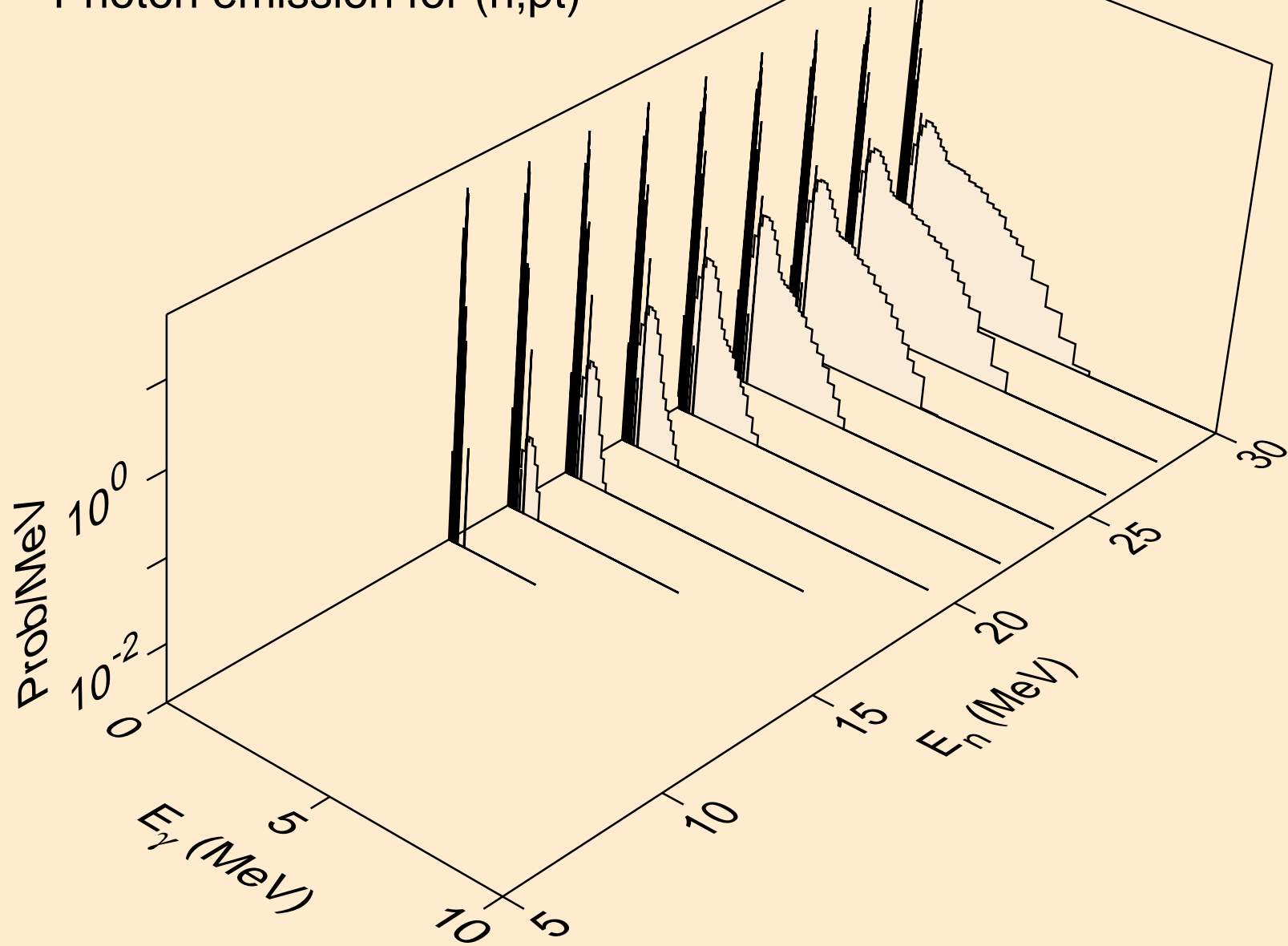
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



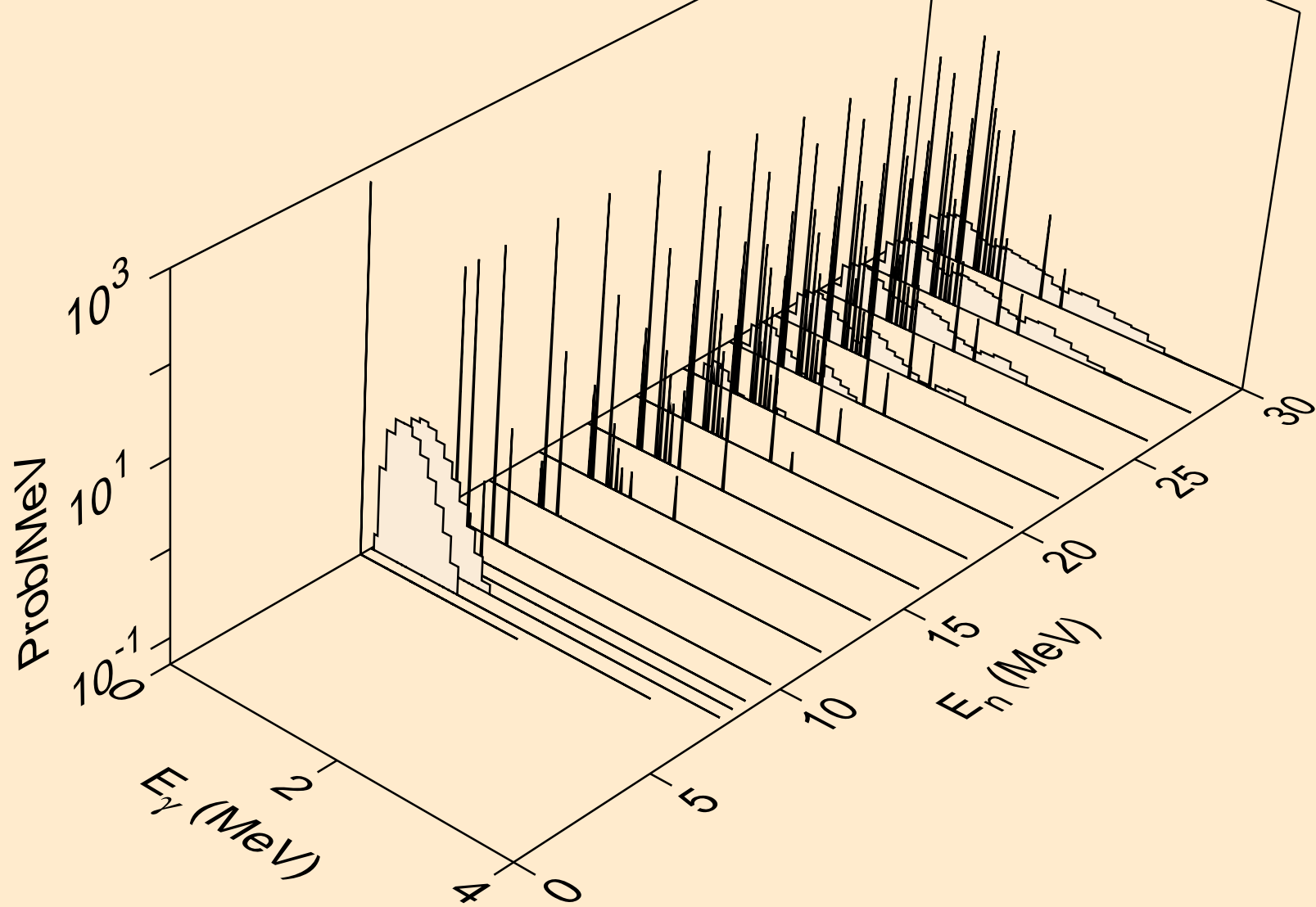
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



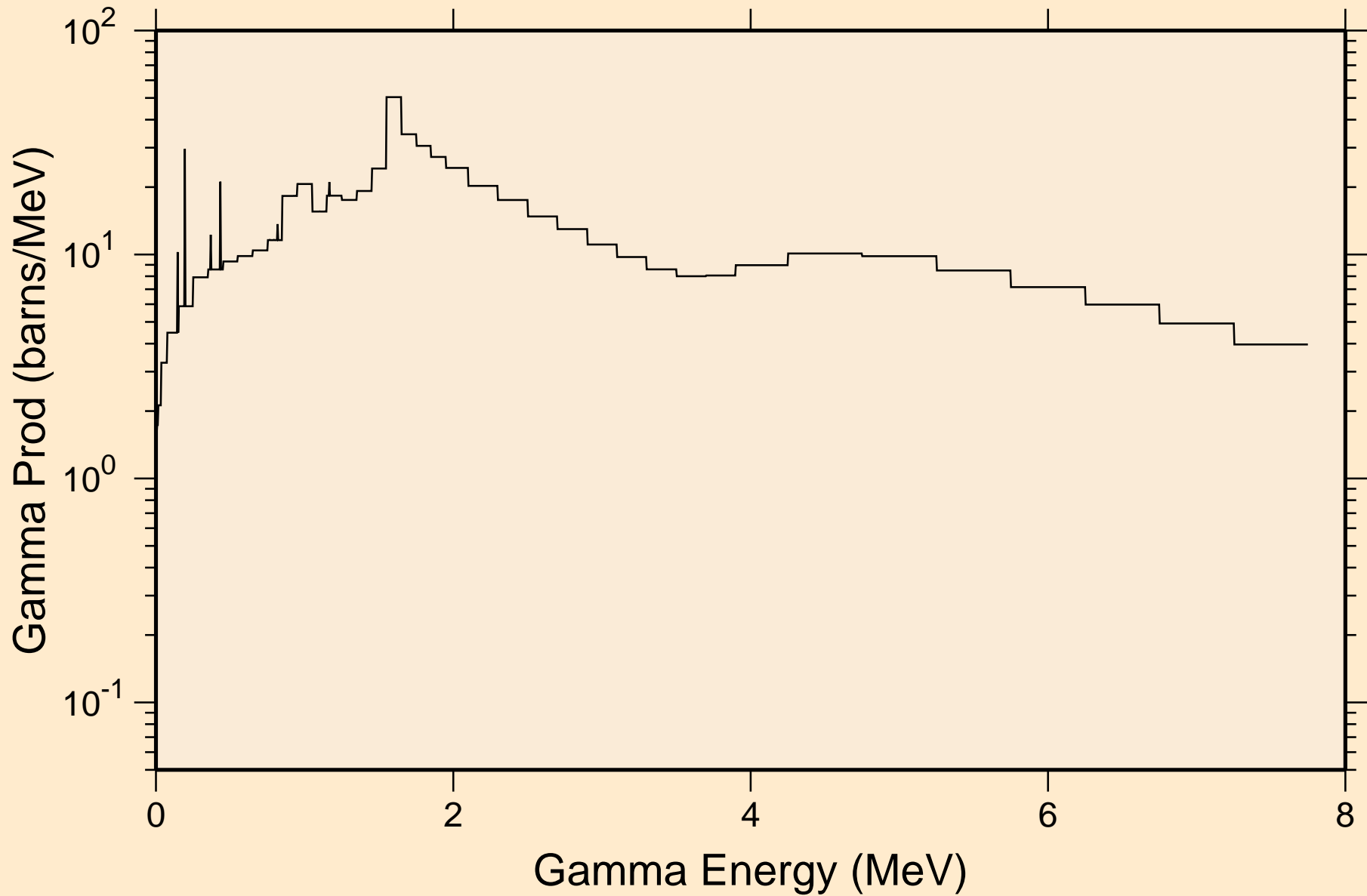
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



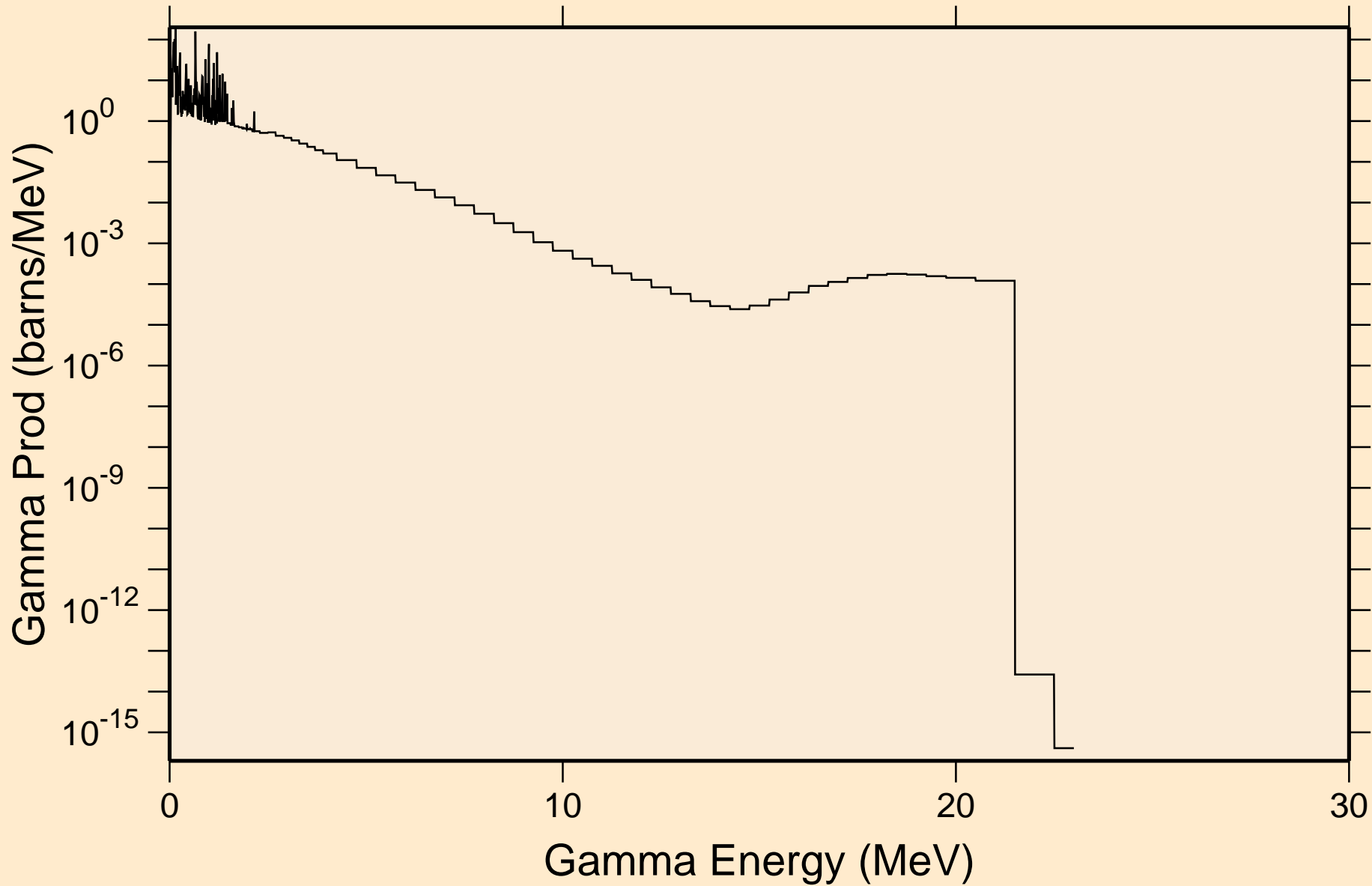
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



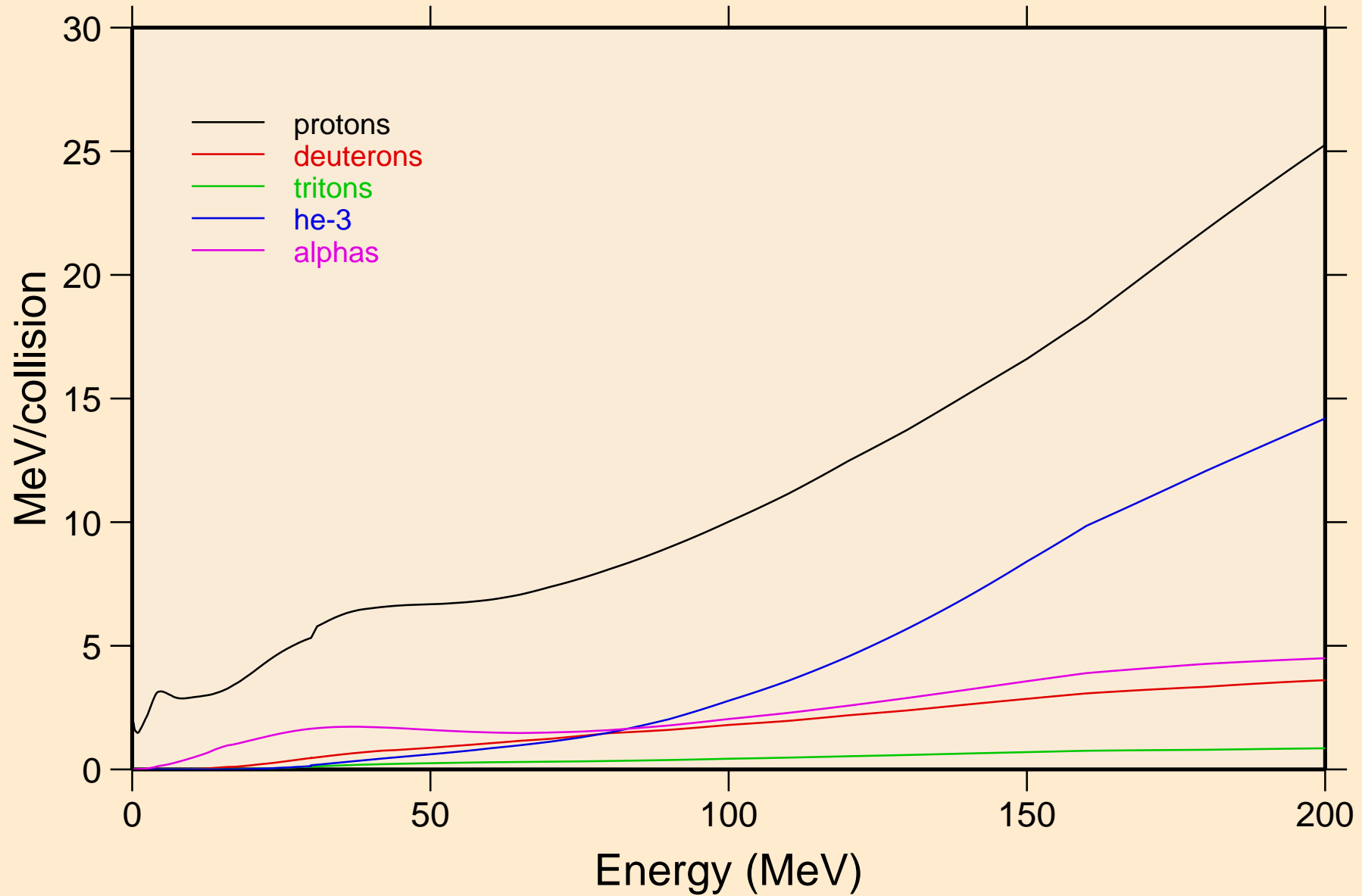
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



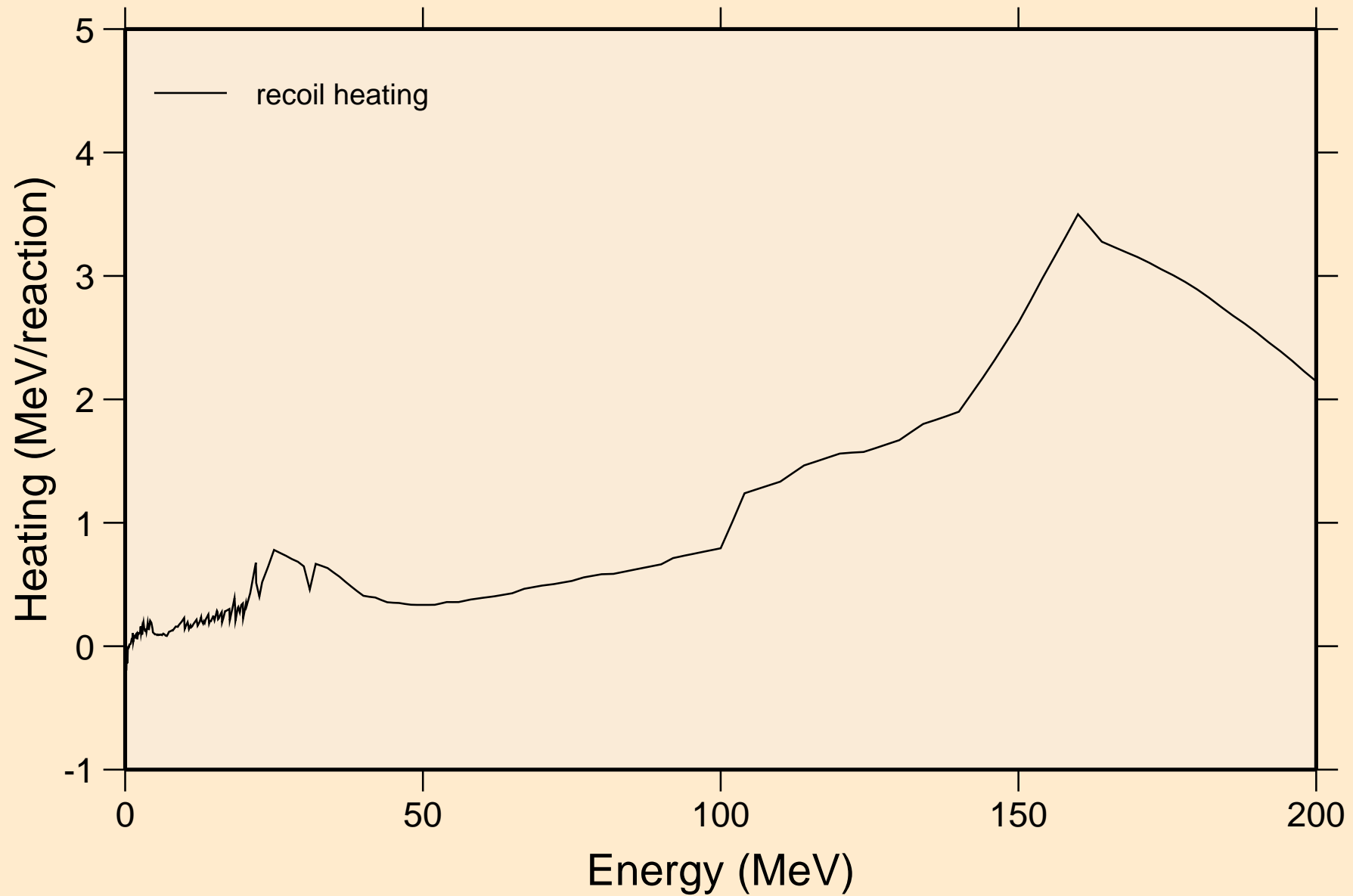


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## Particle heating contributions

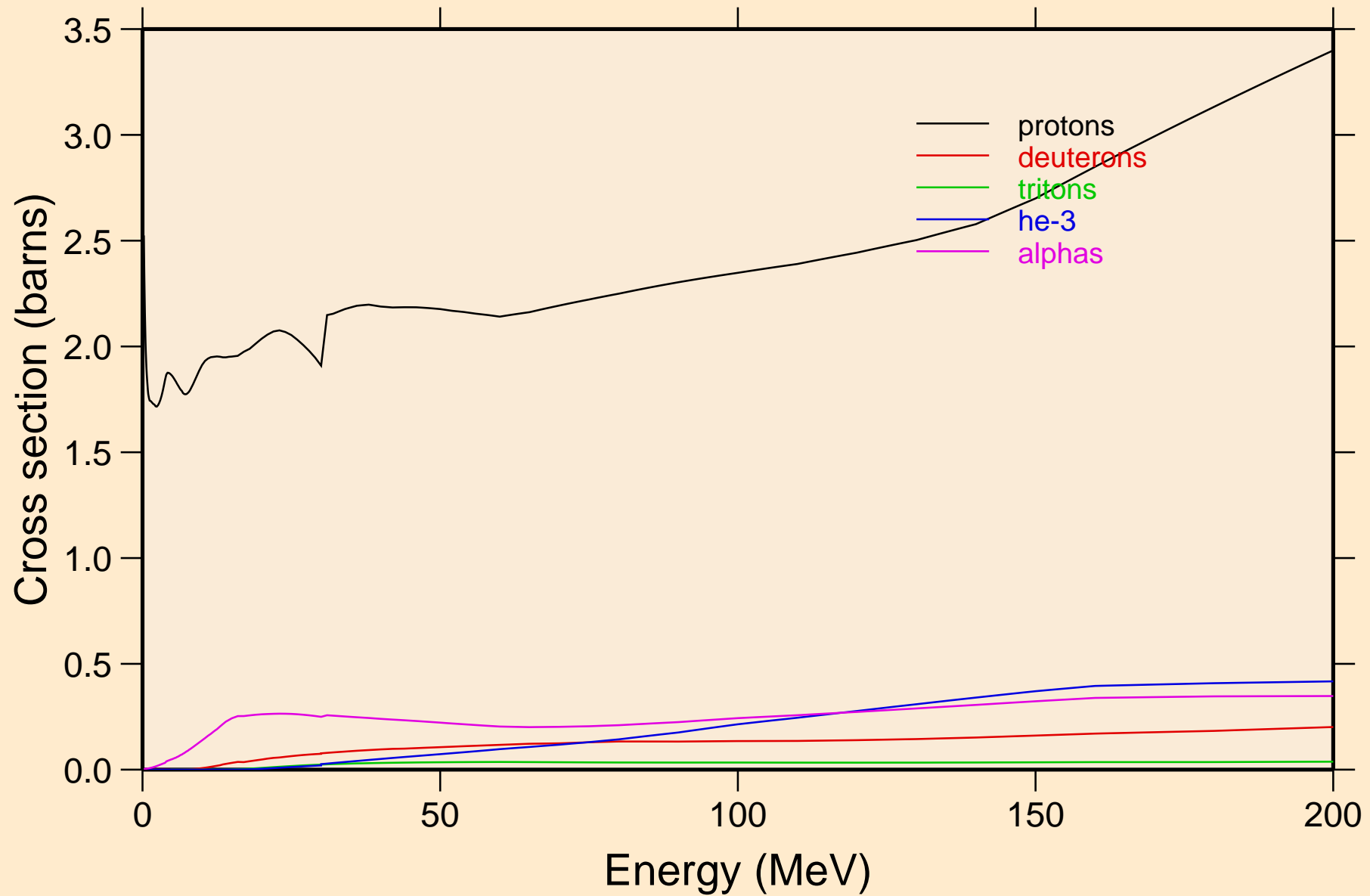


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

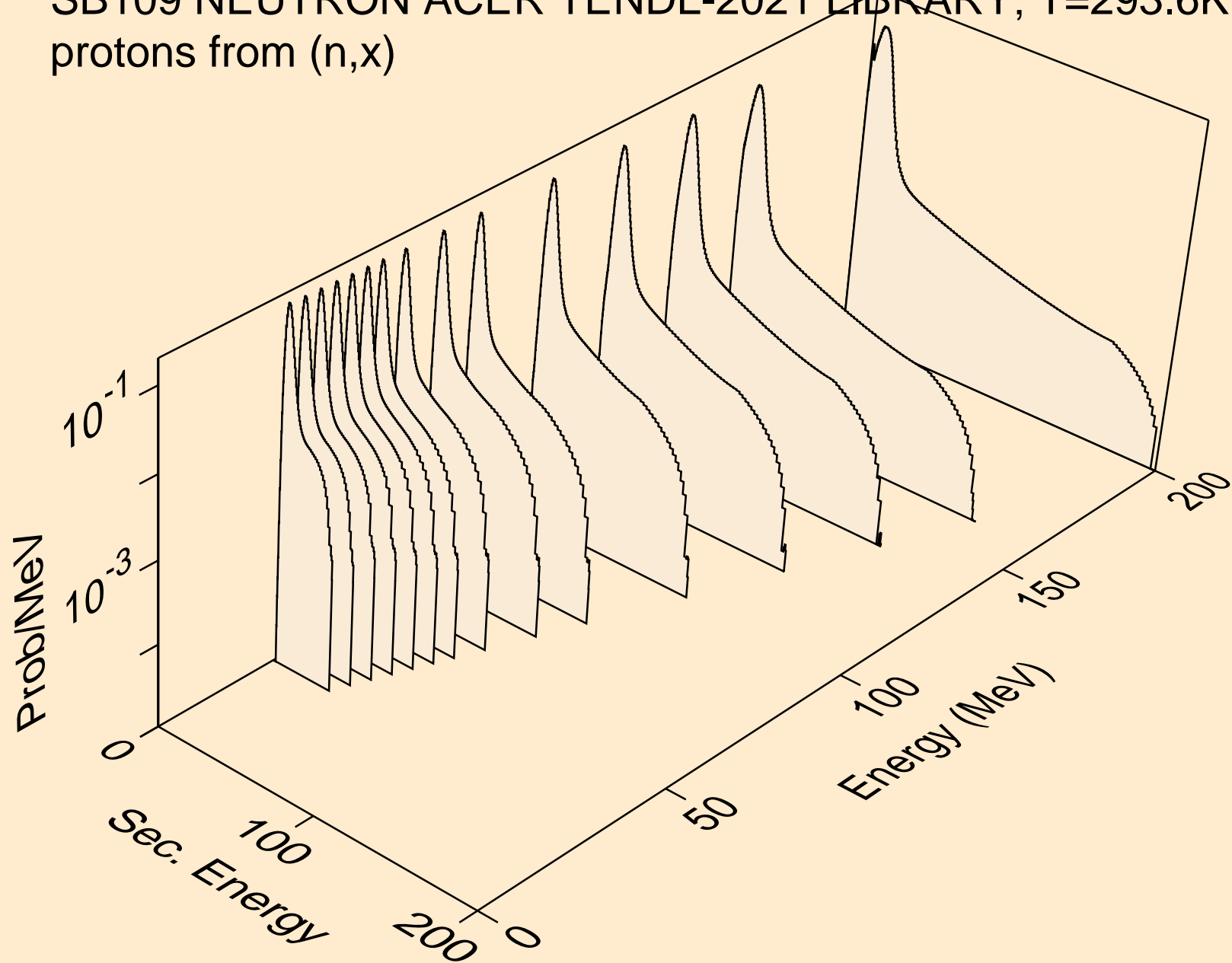


# SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

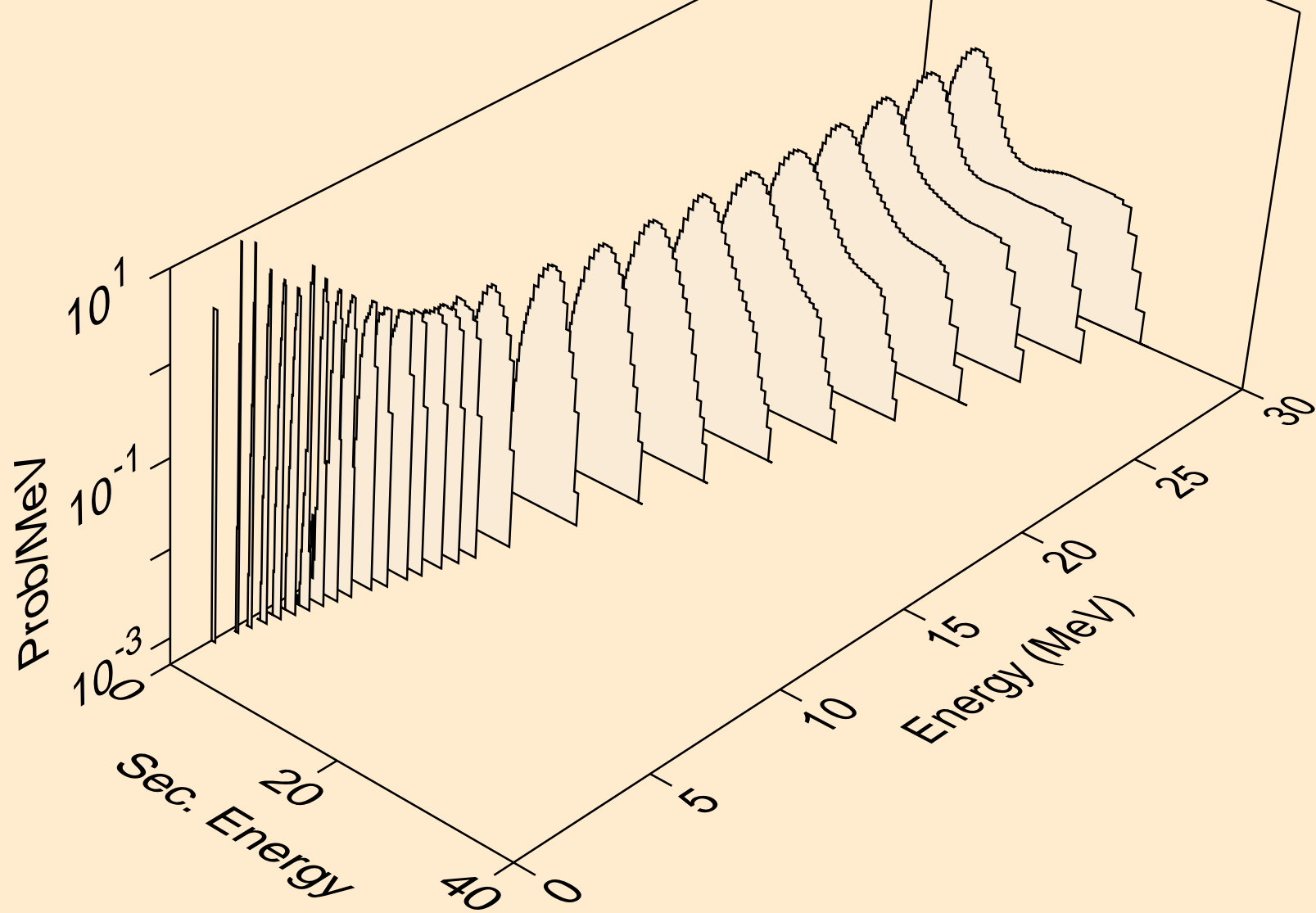
## Particle production cross sections



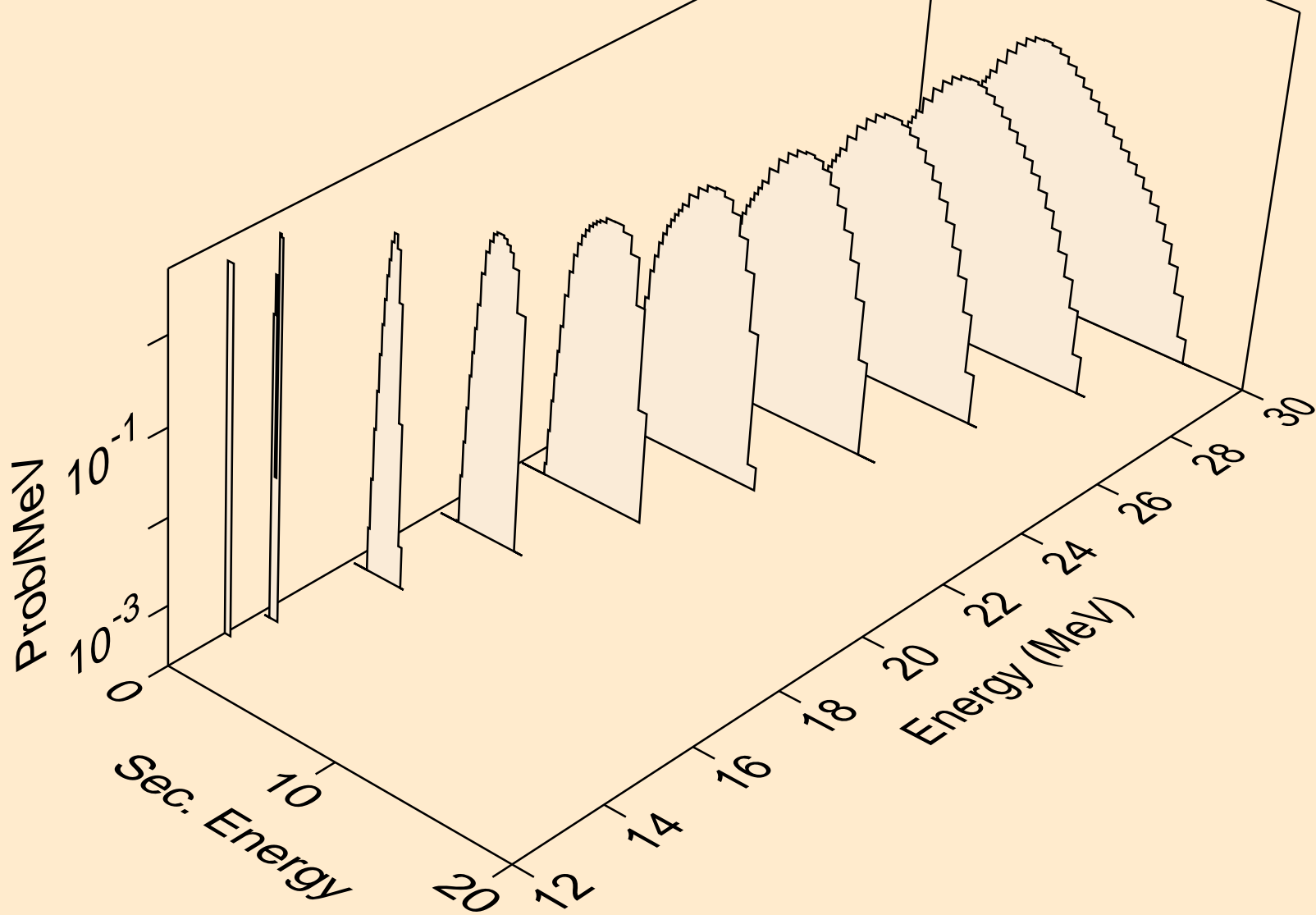
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



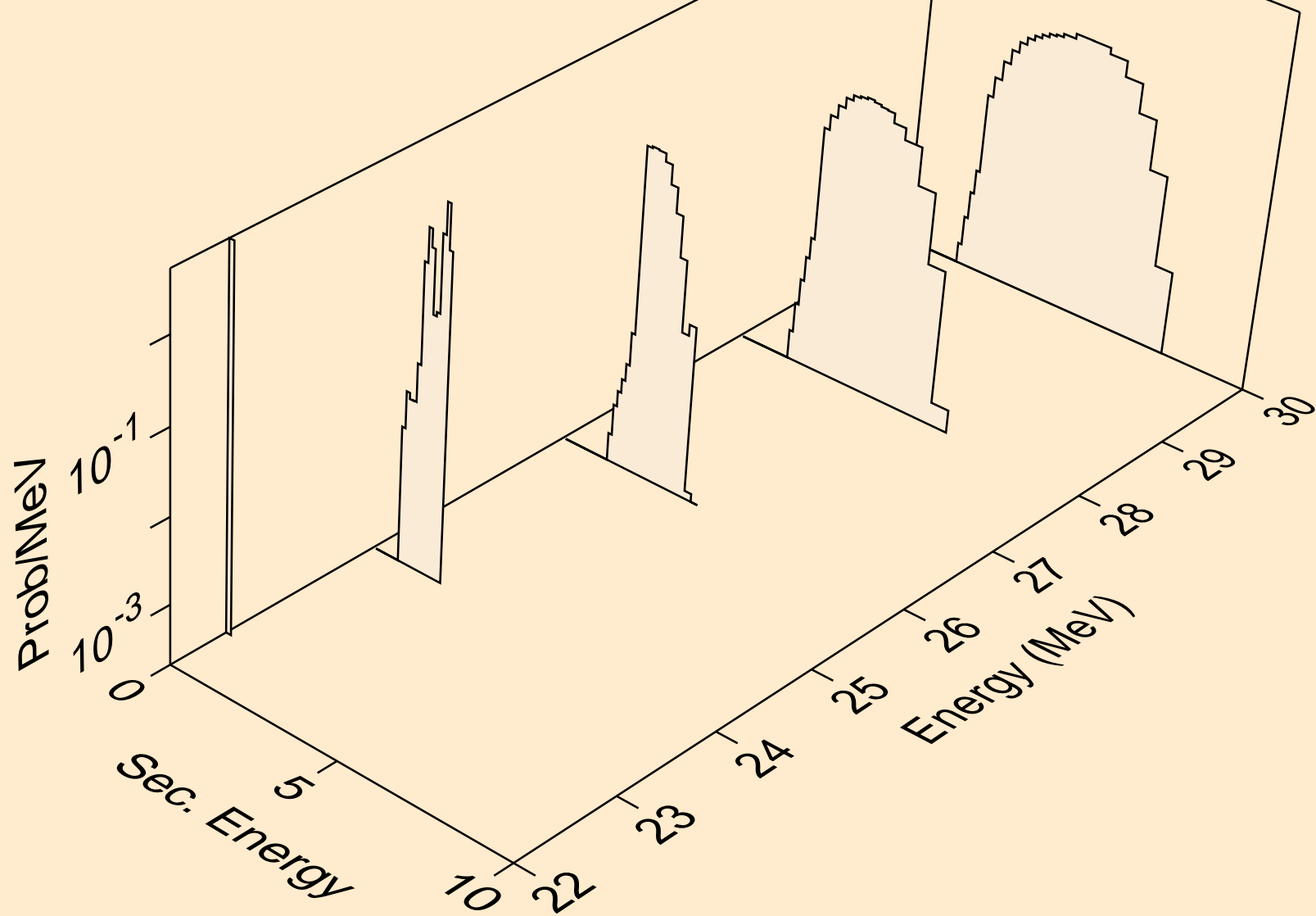
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



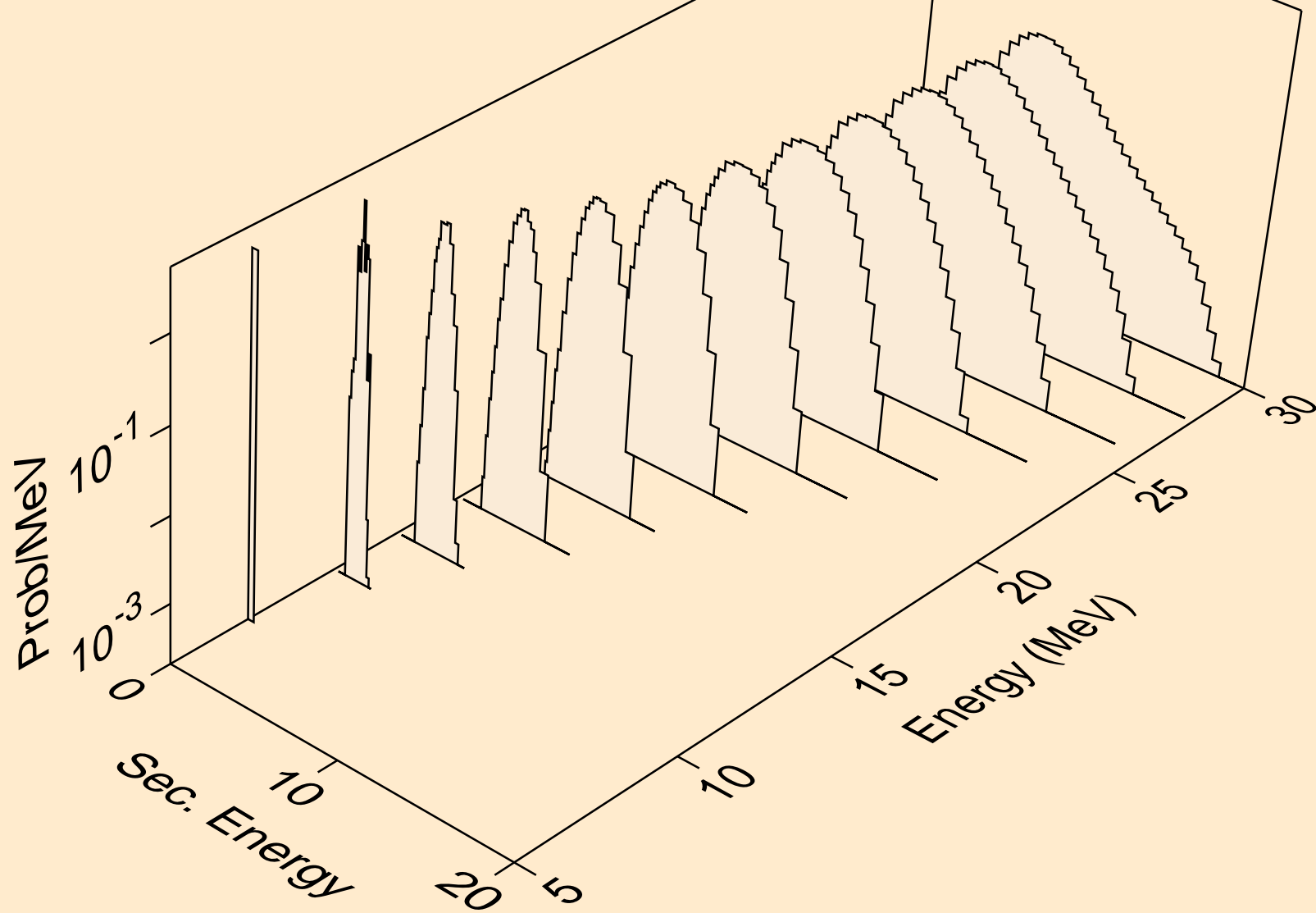
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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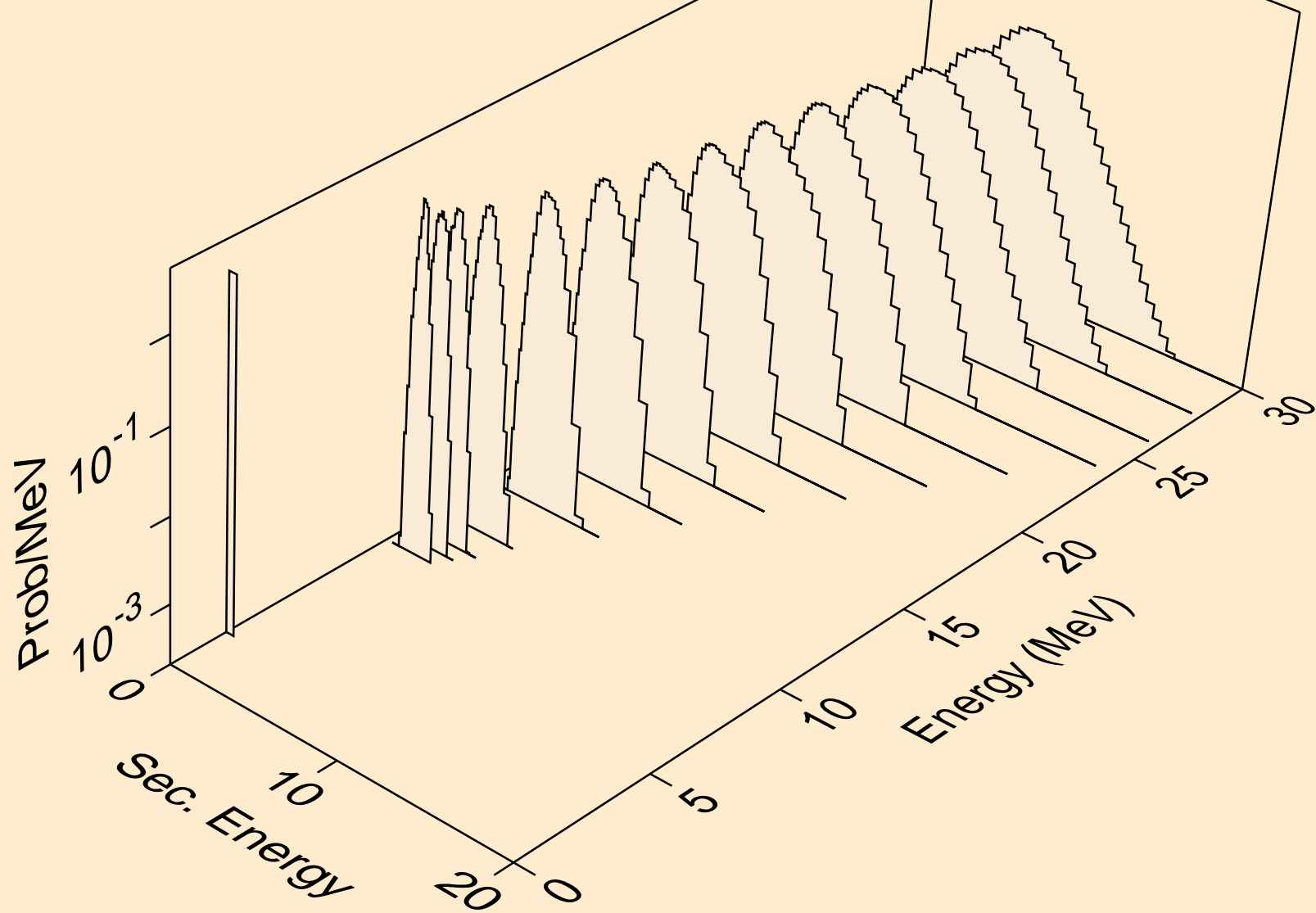


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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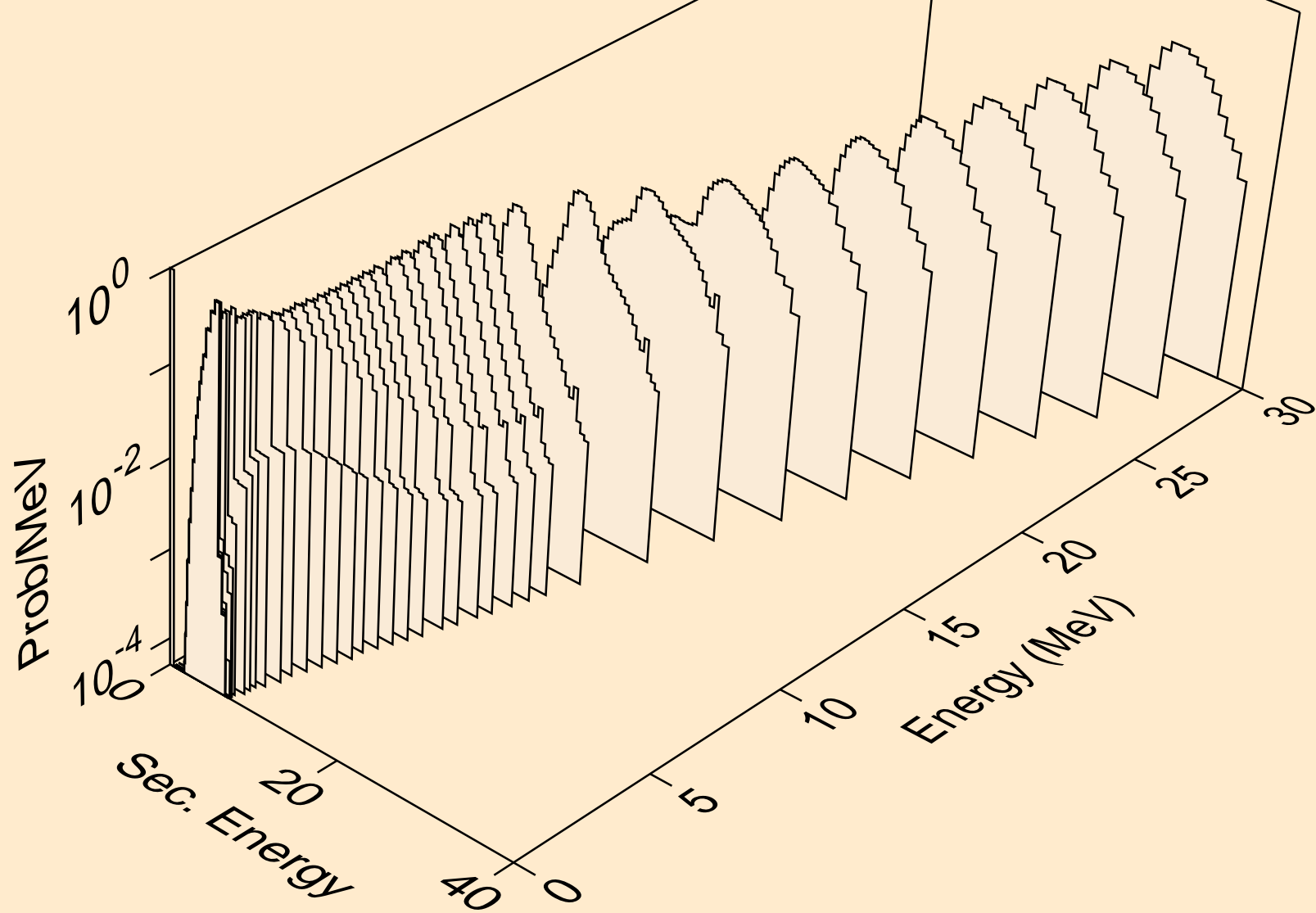




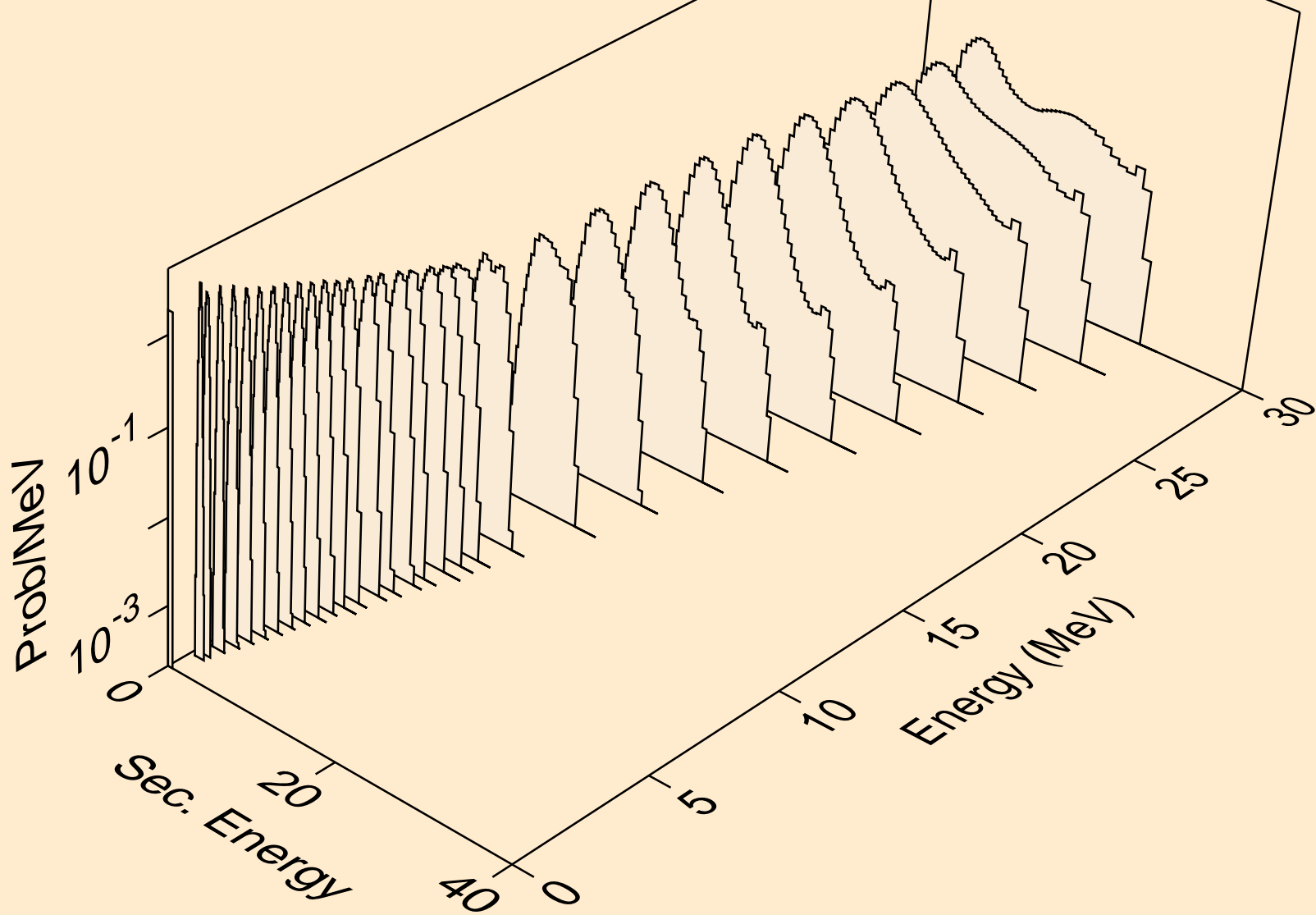
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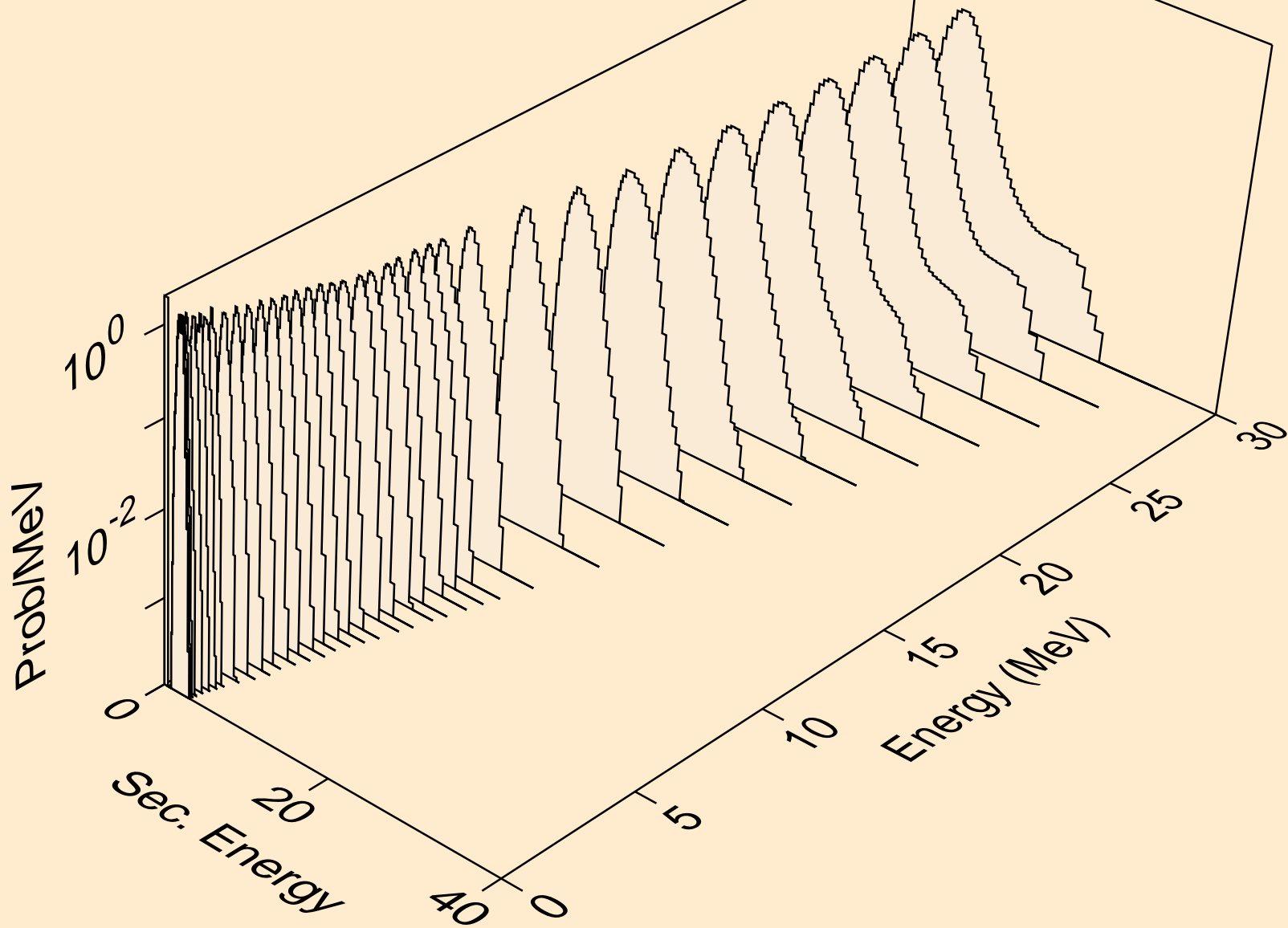
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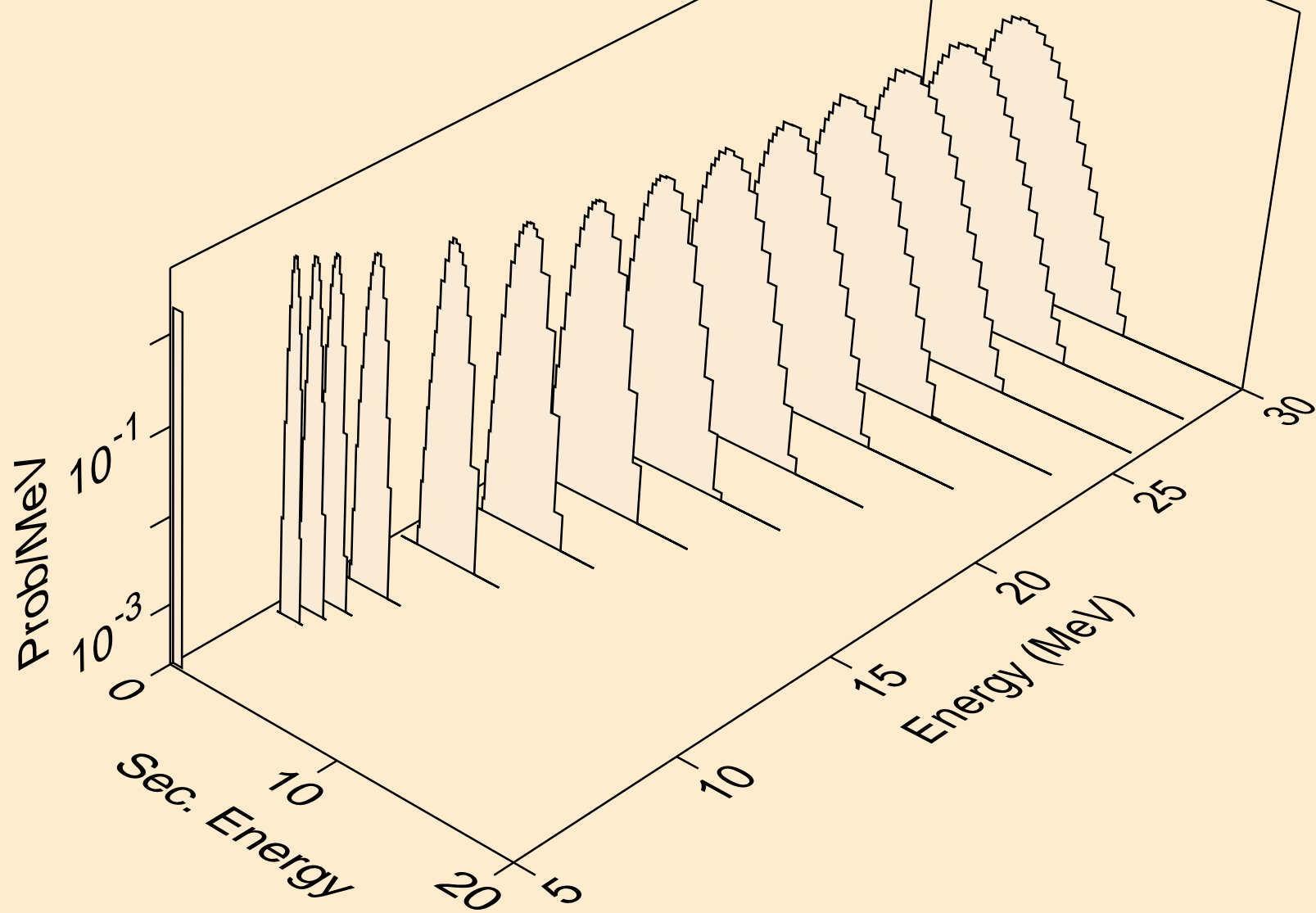
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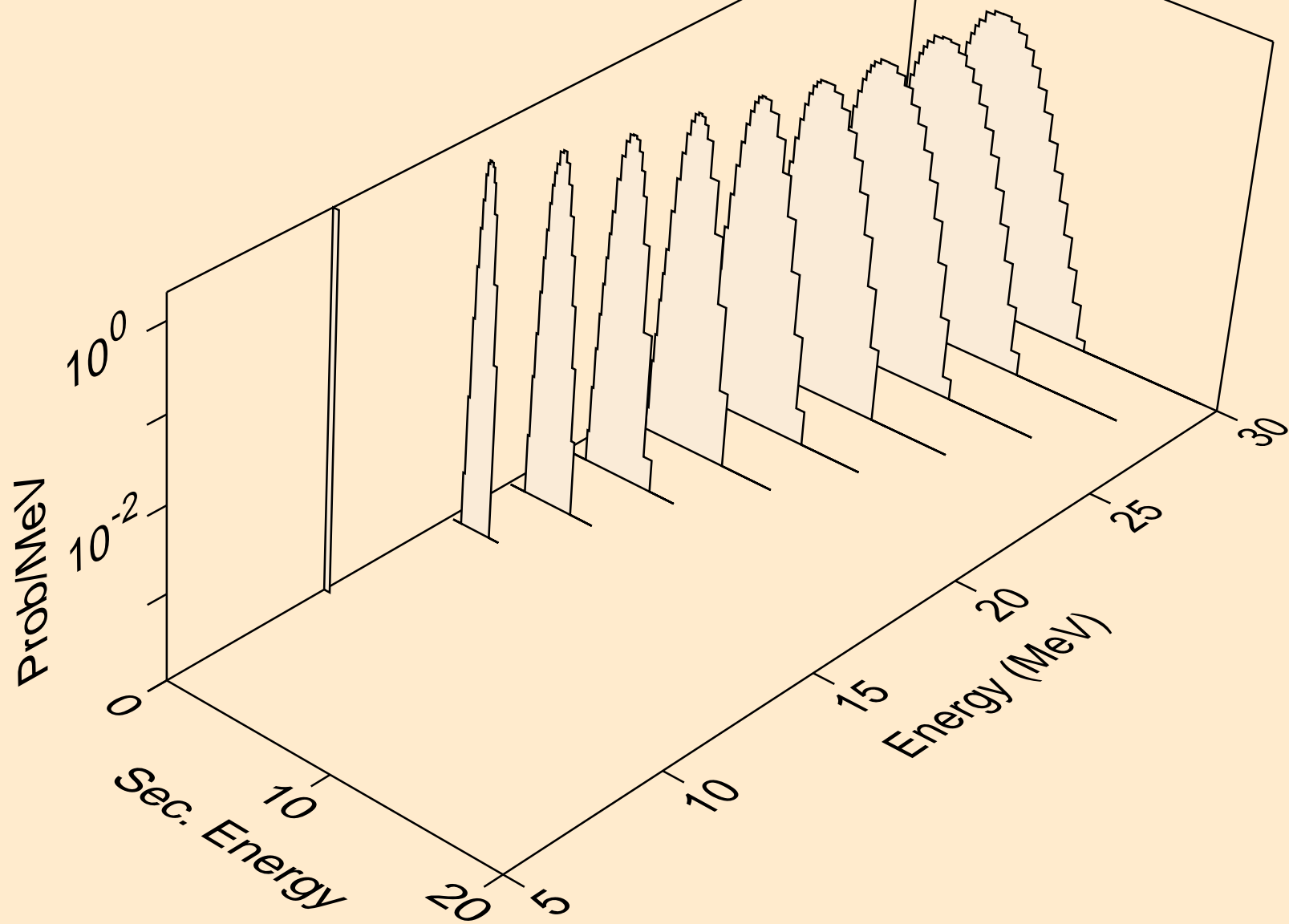
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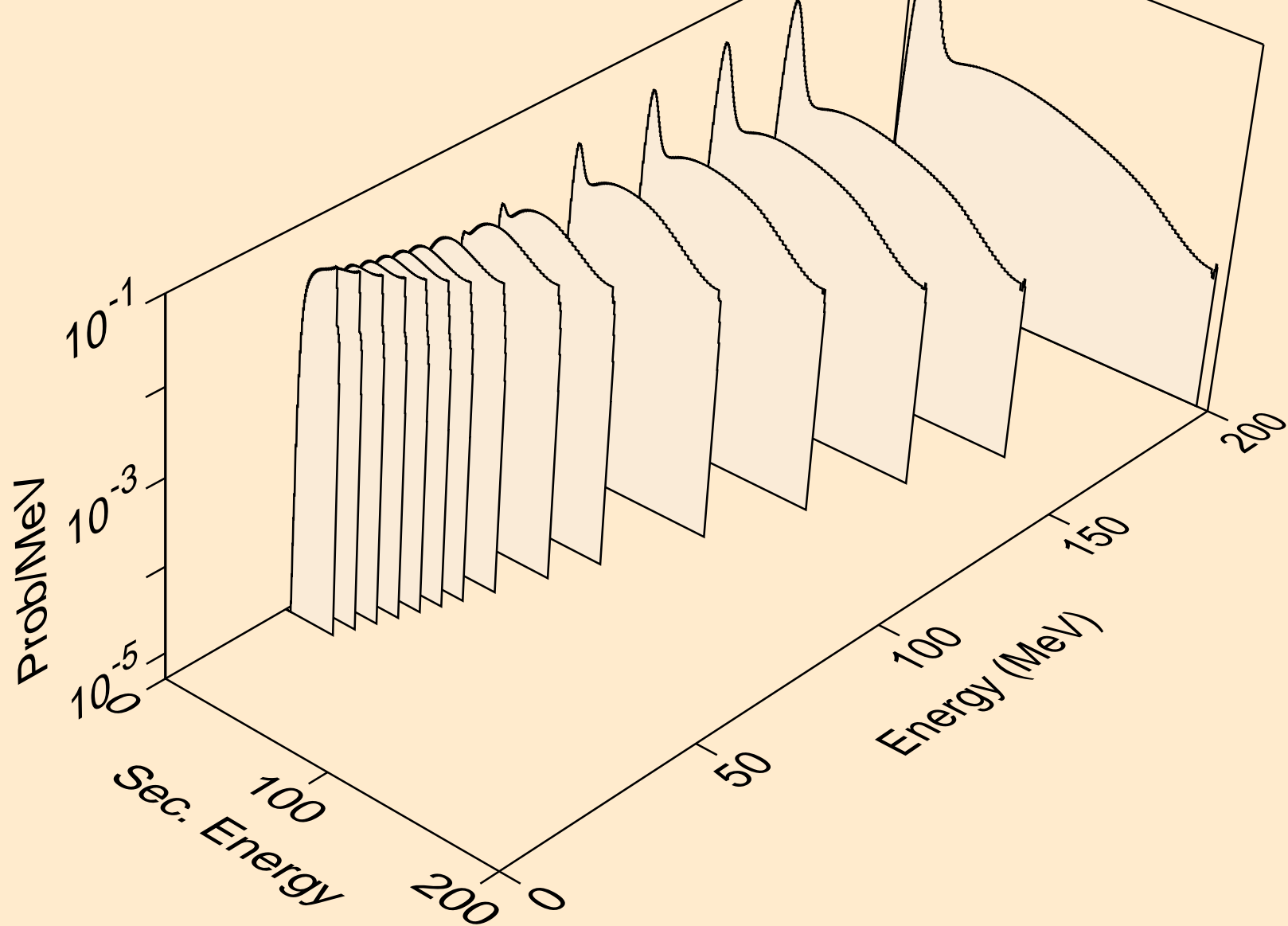
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protons from (n,pd)



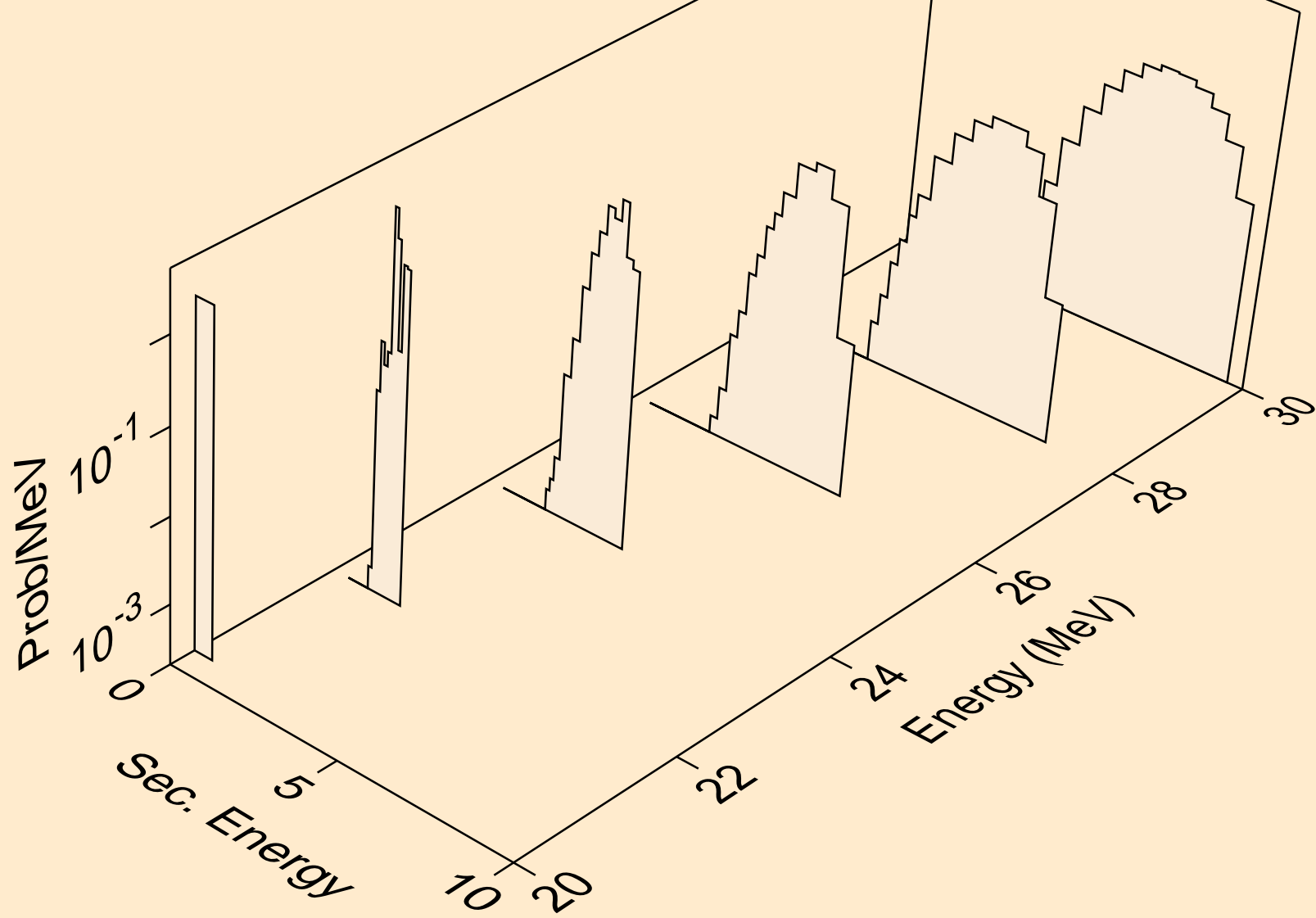
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protons from (n,pt)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

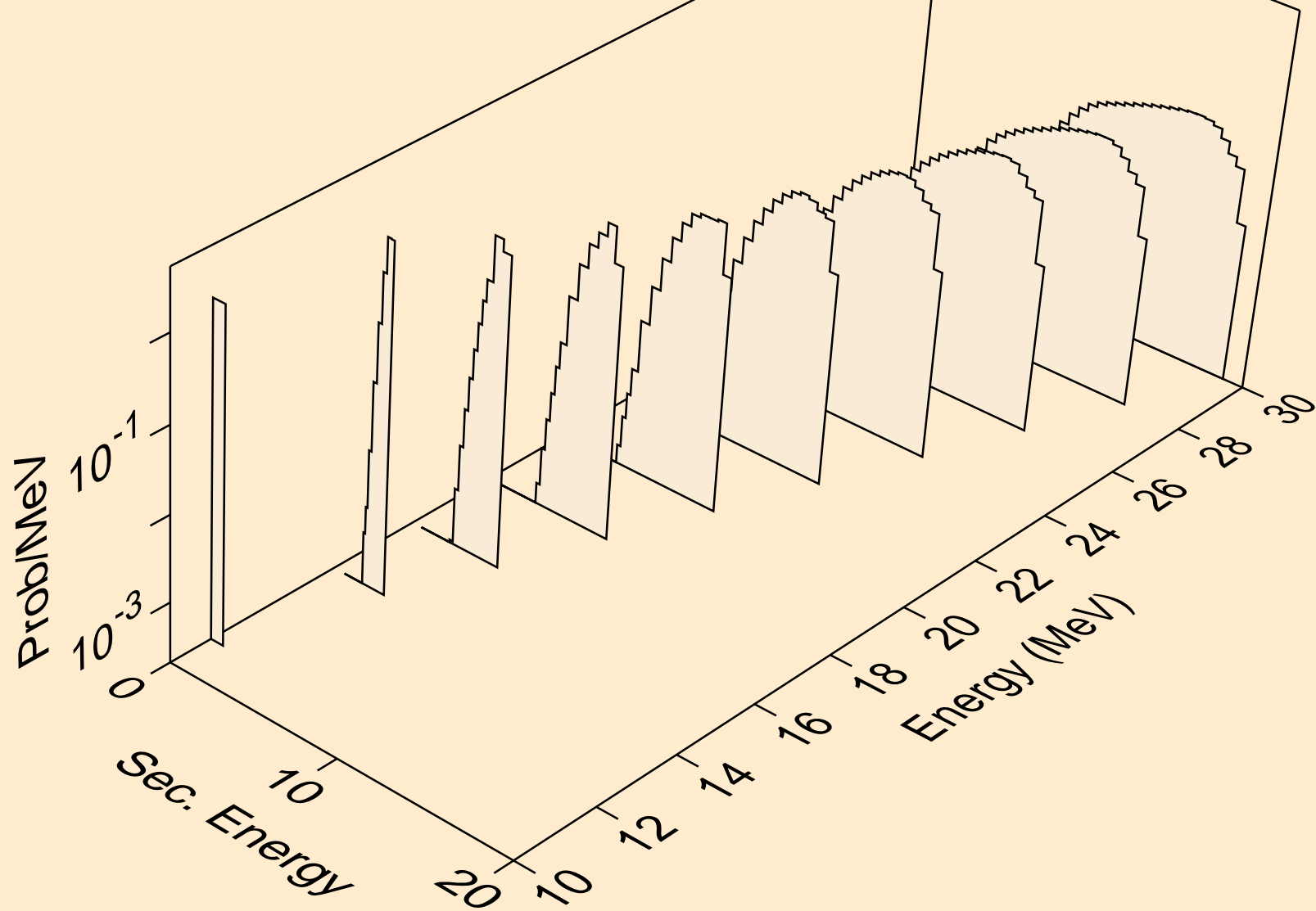


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

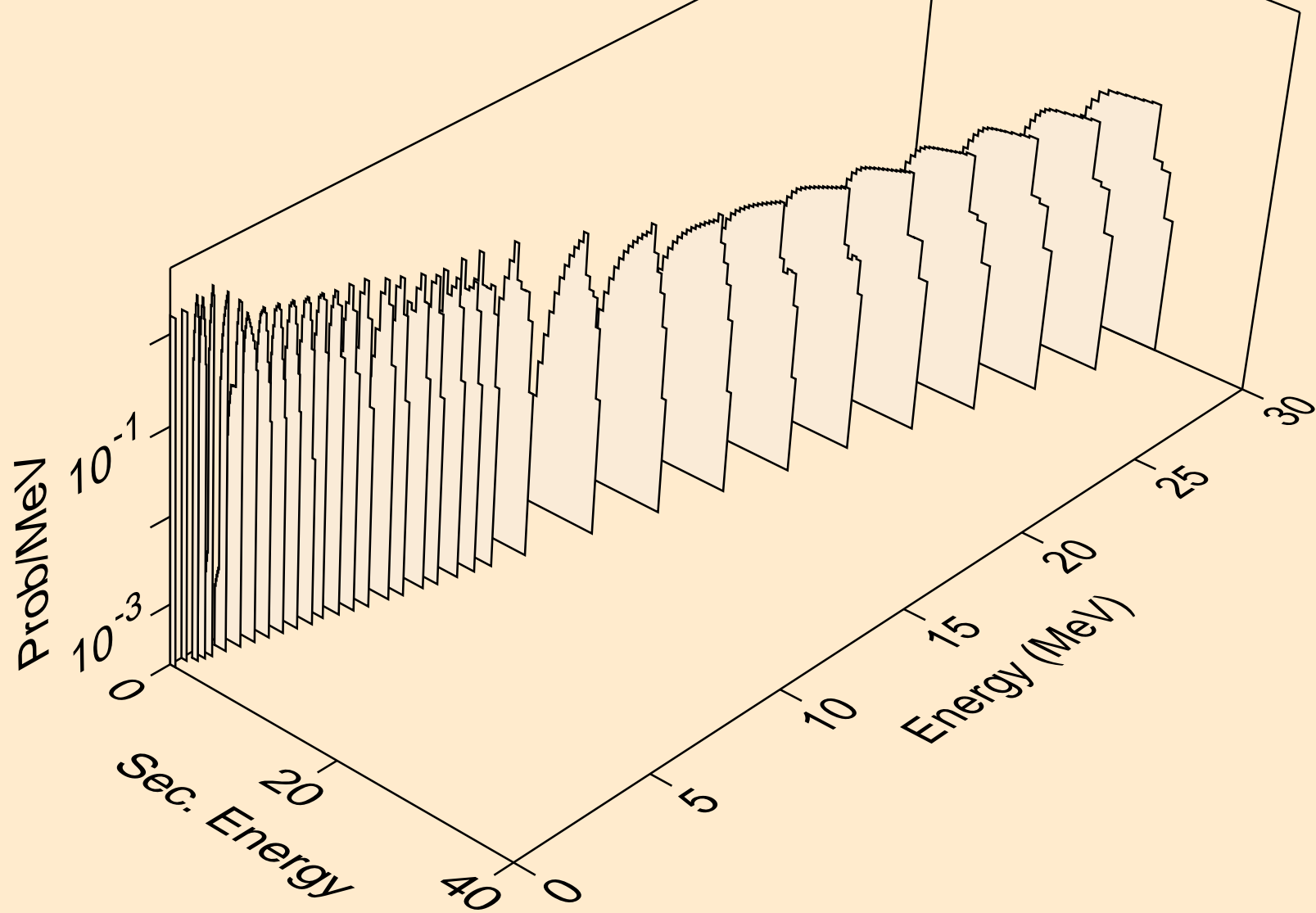




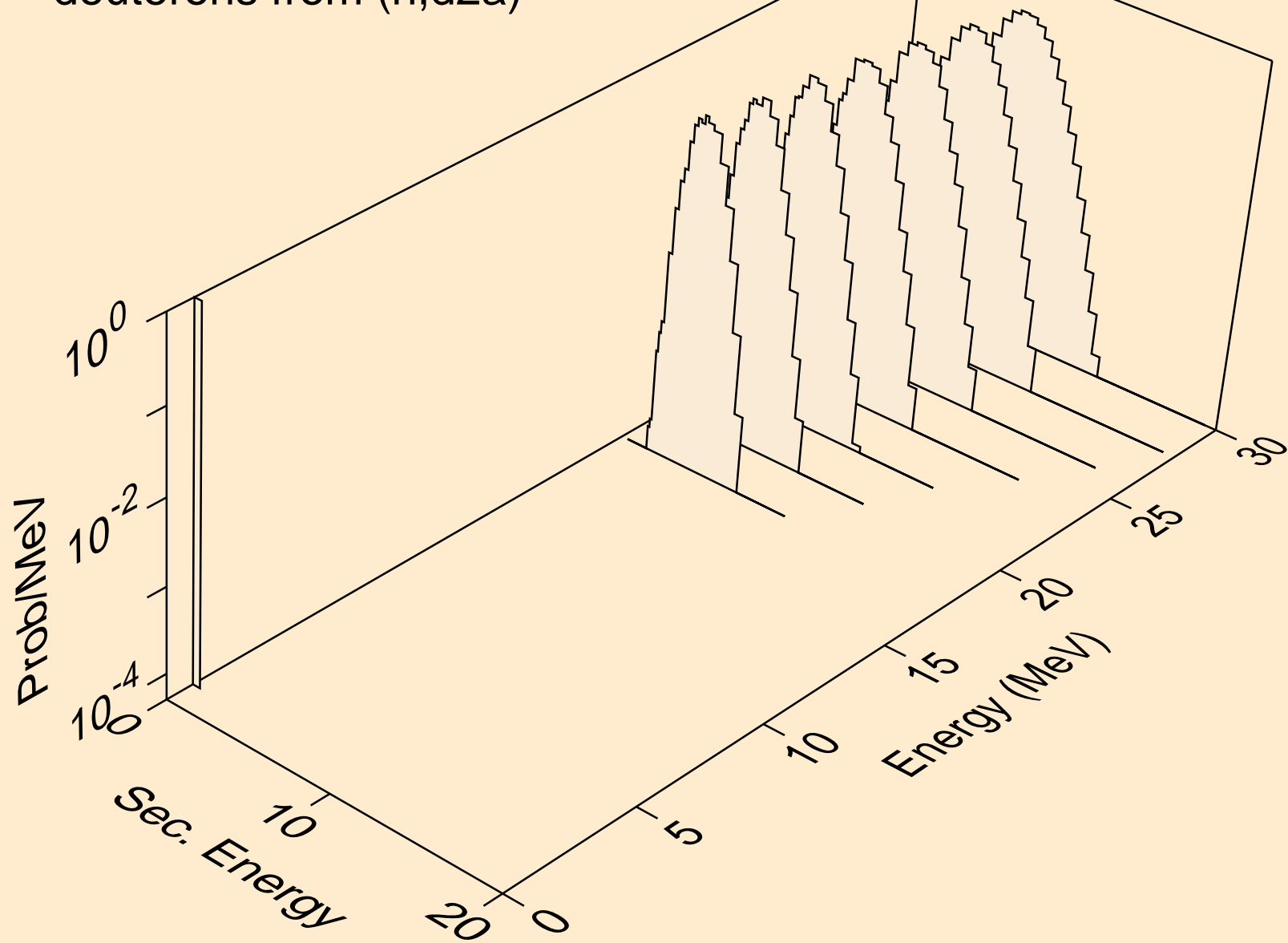
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



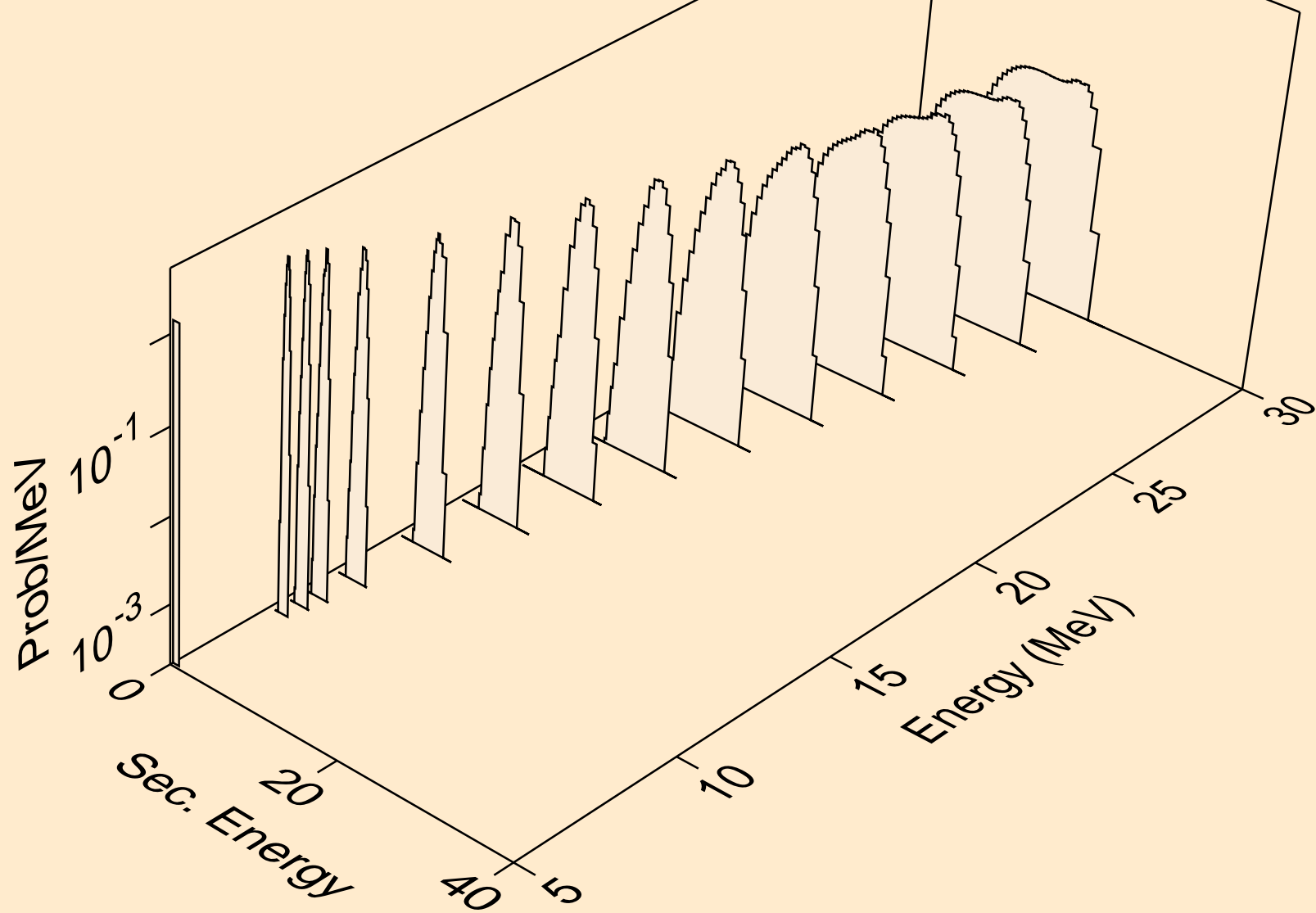
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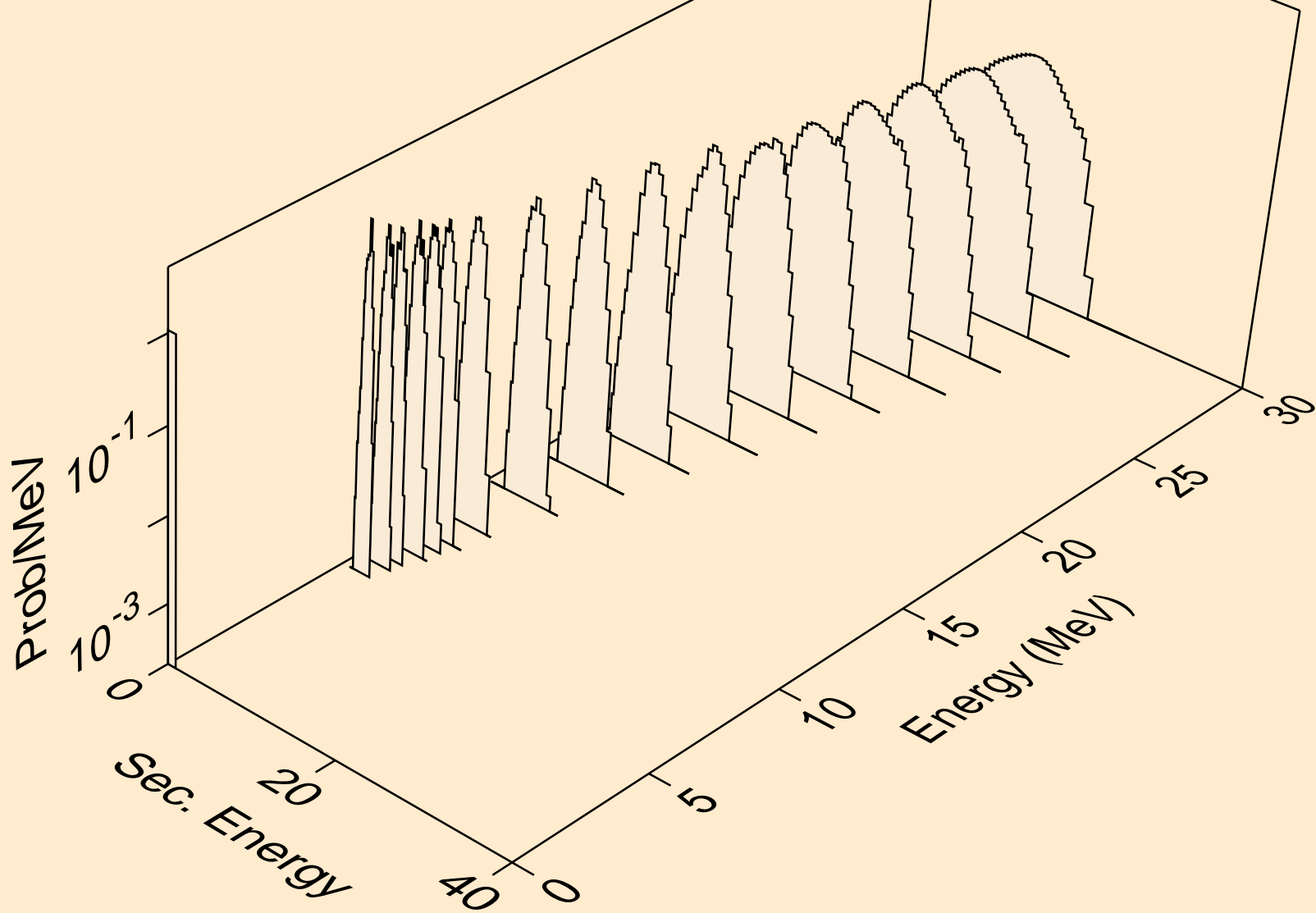
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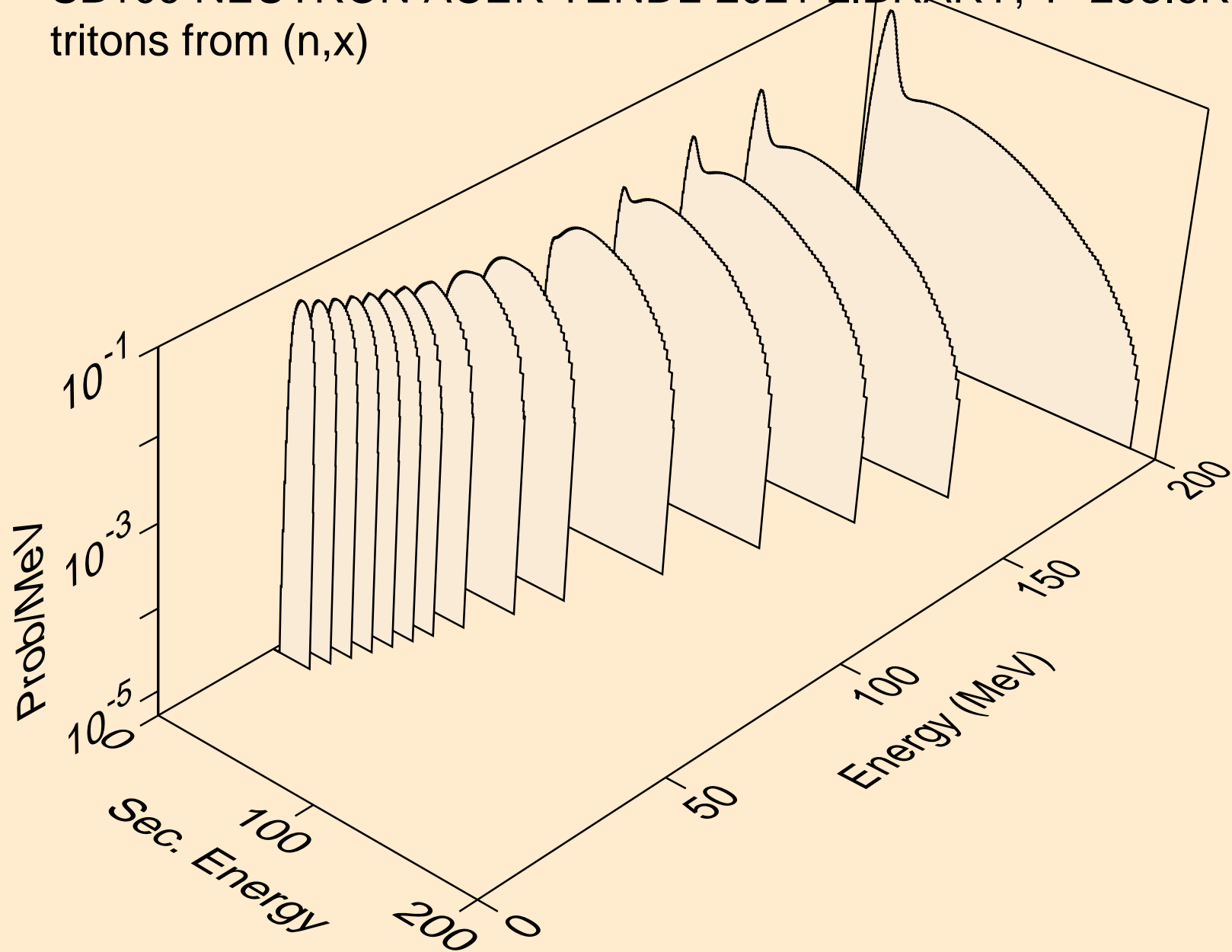
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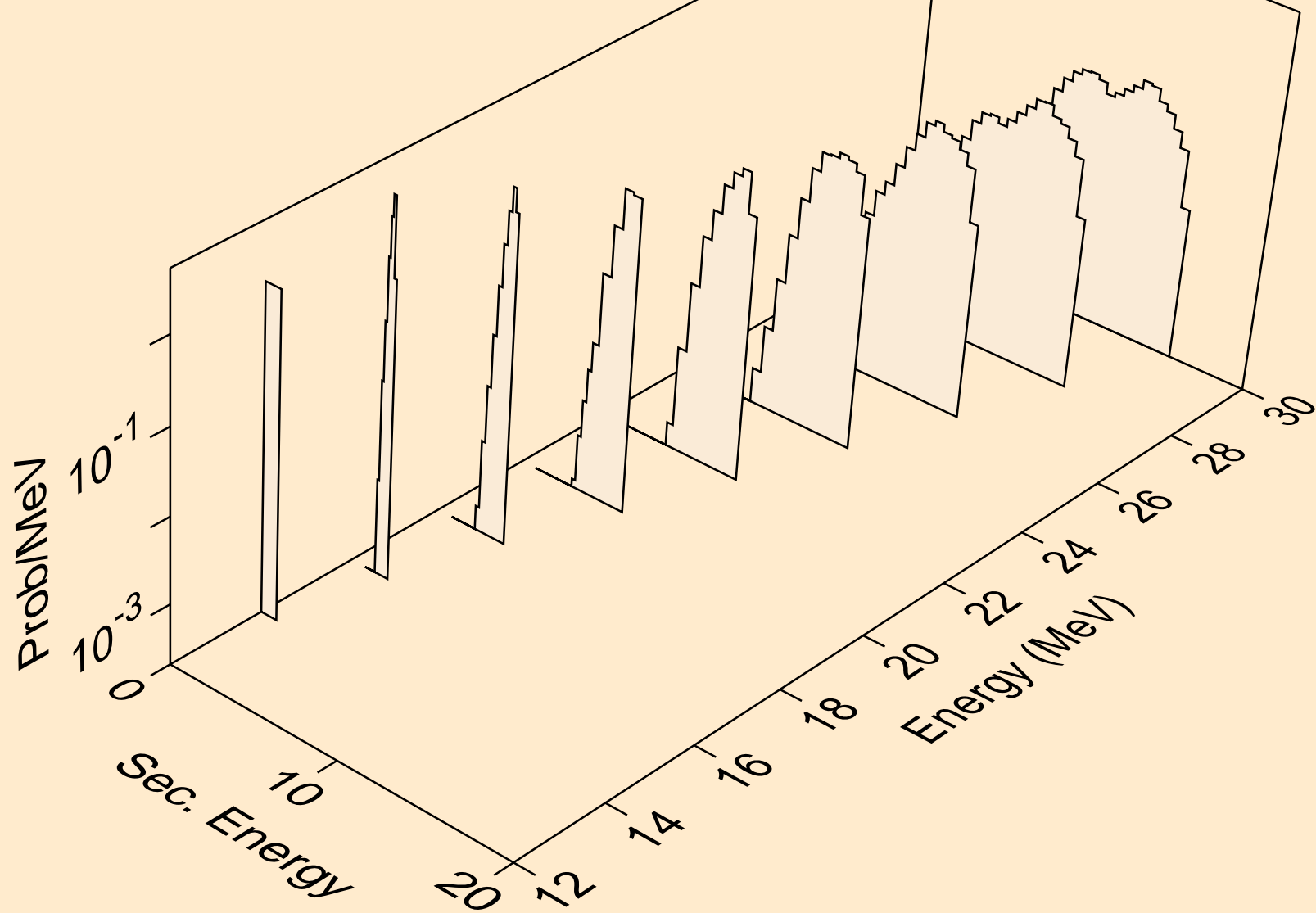
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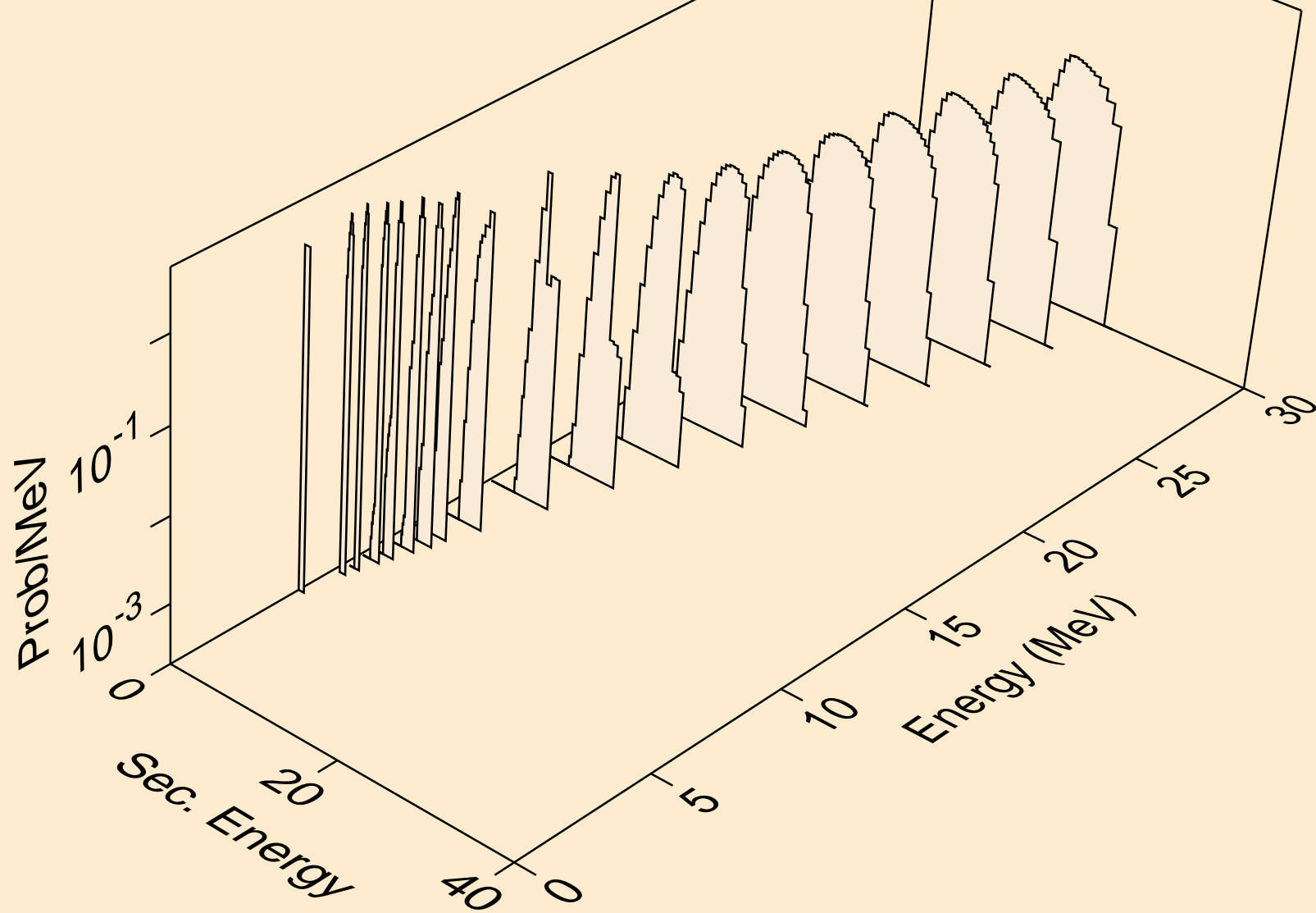
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

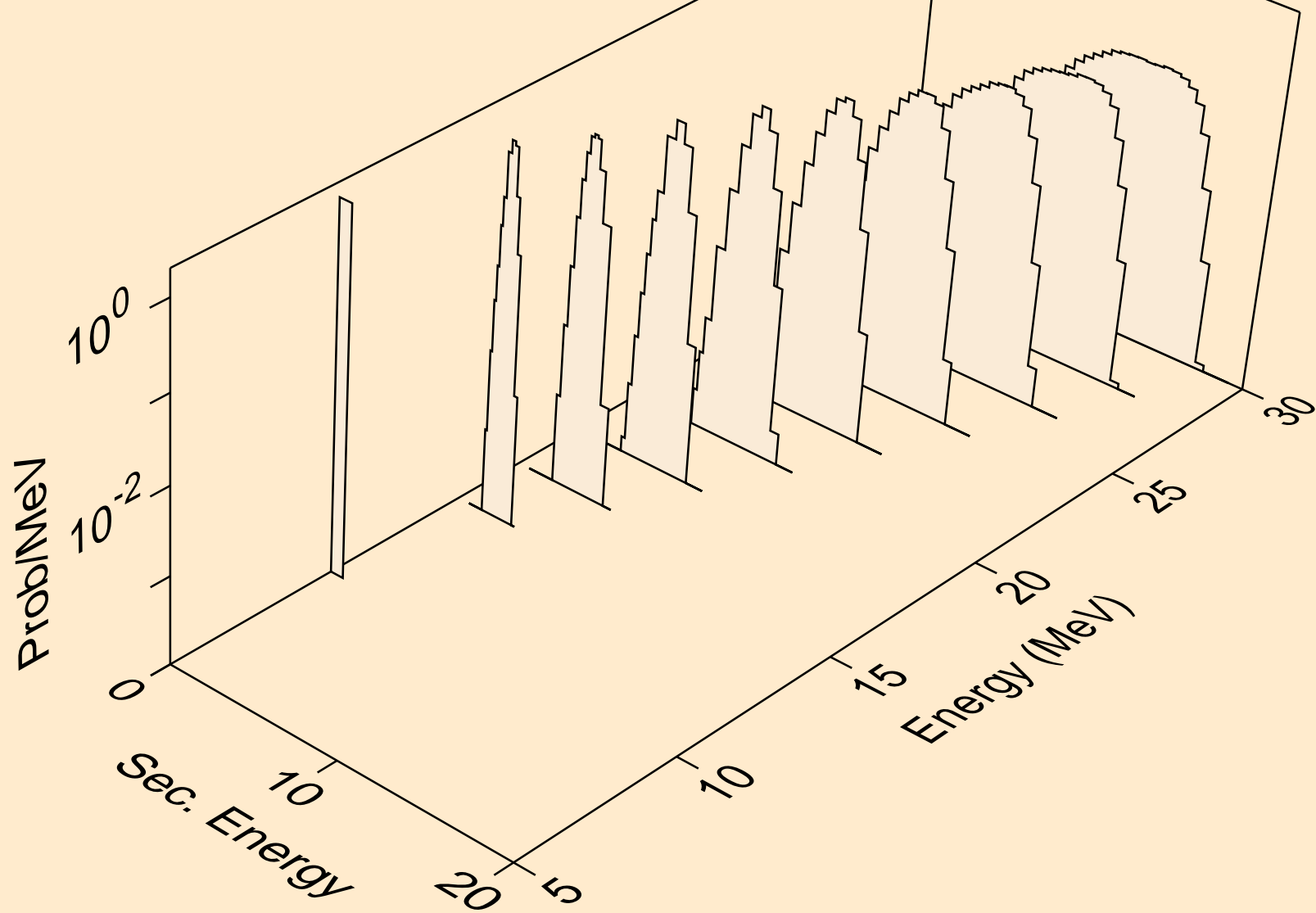


SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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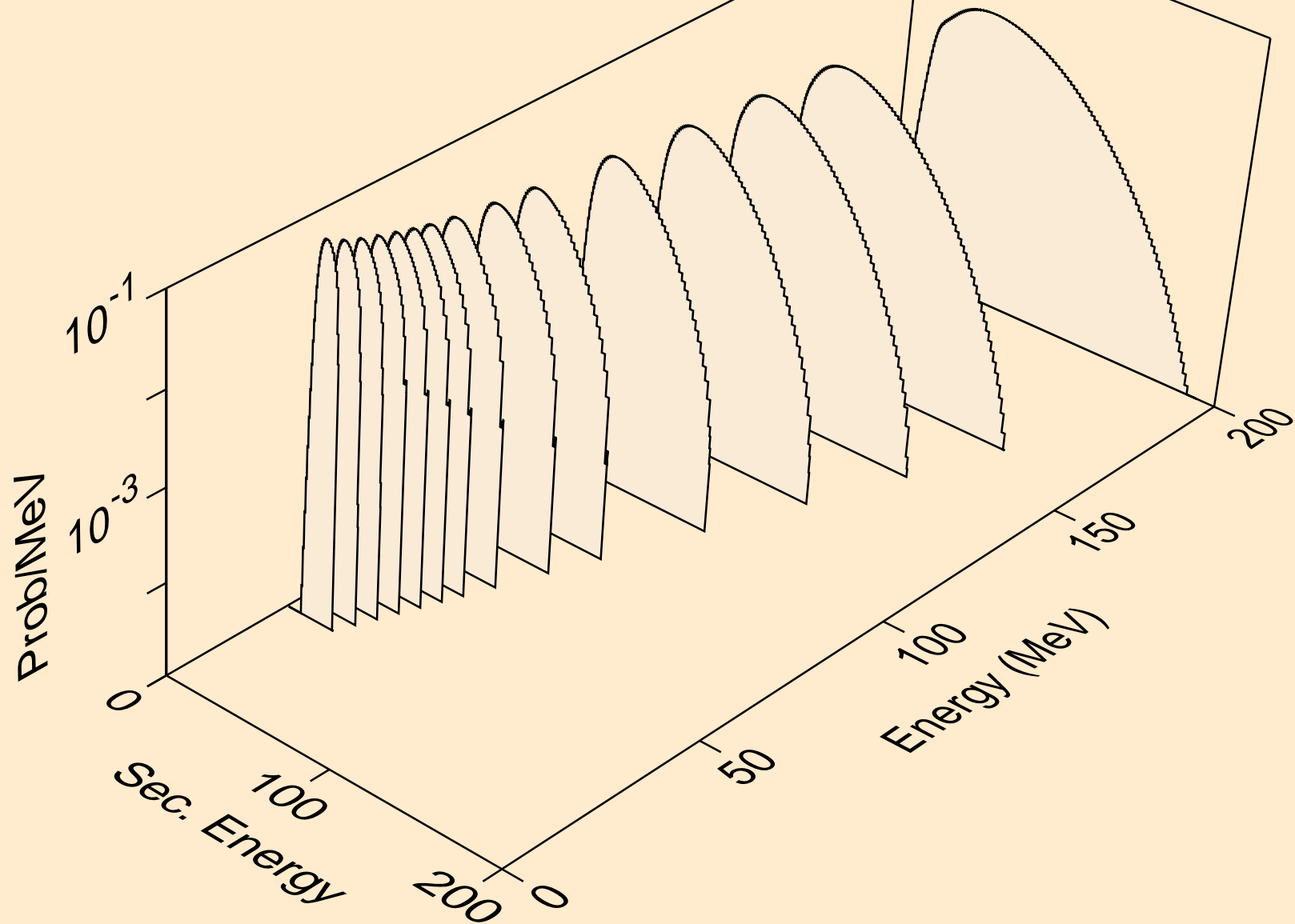




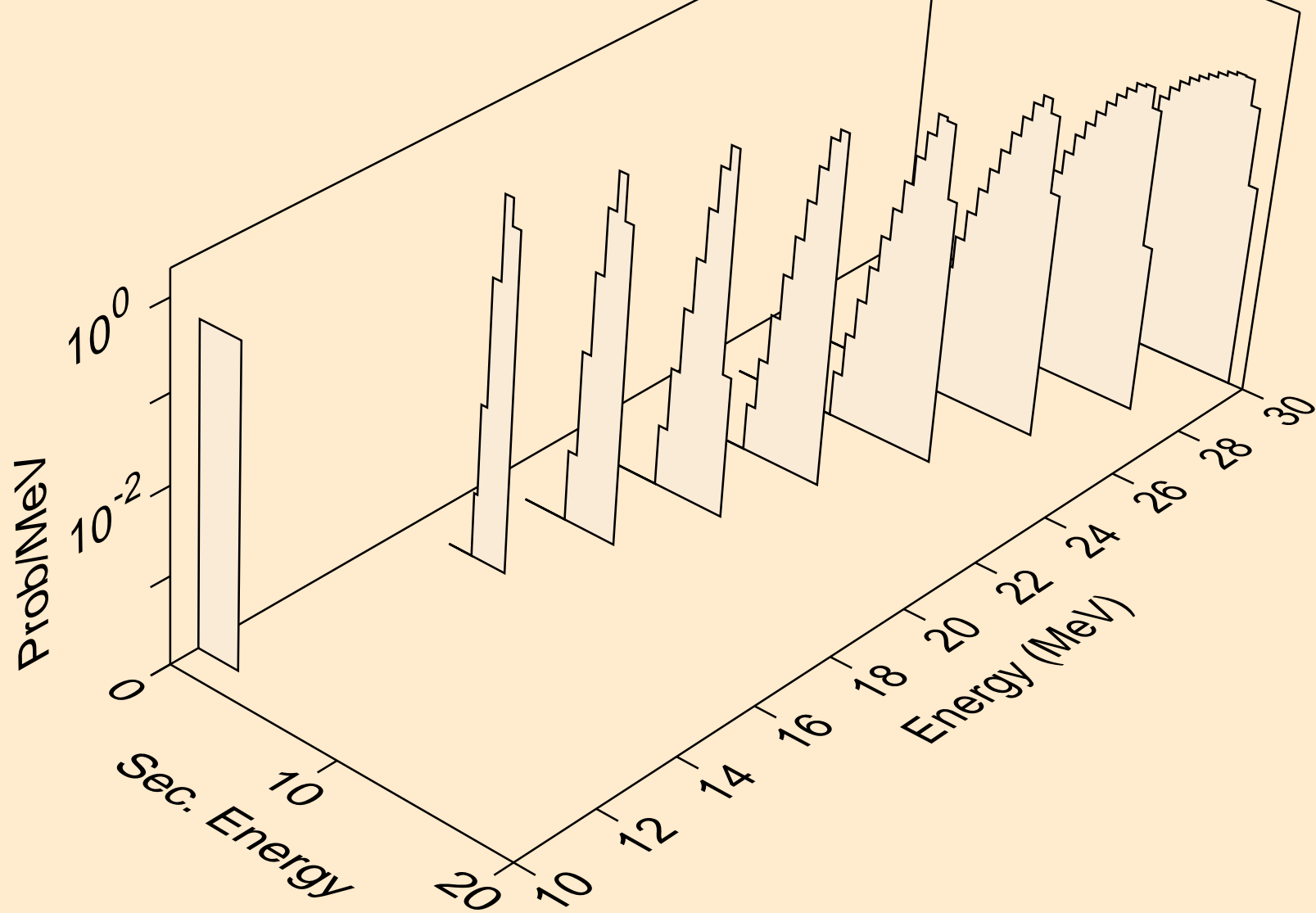
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



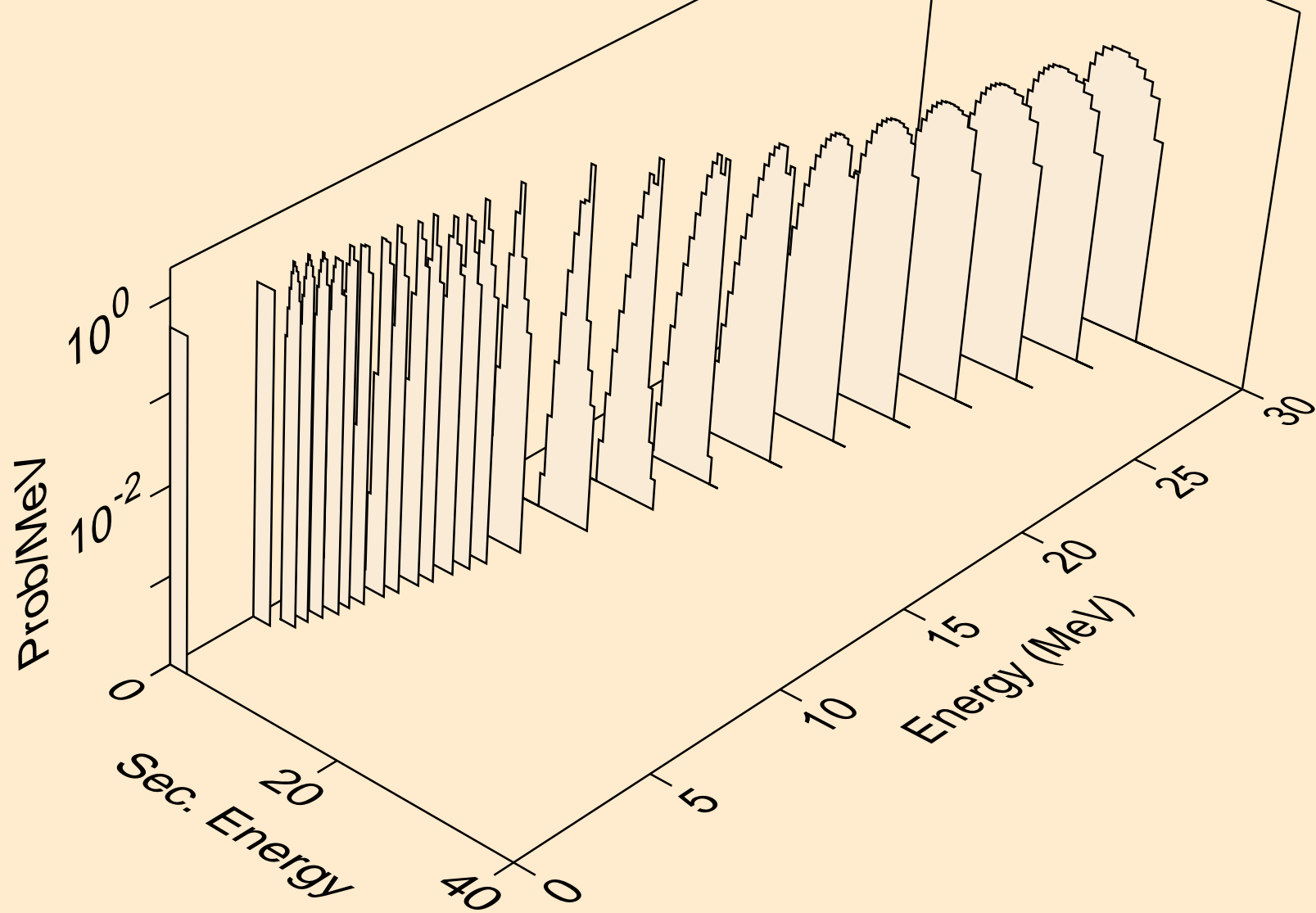
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



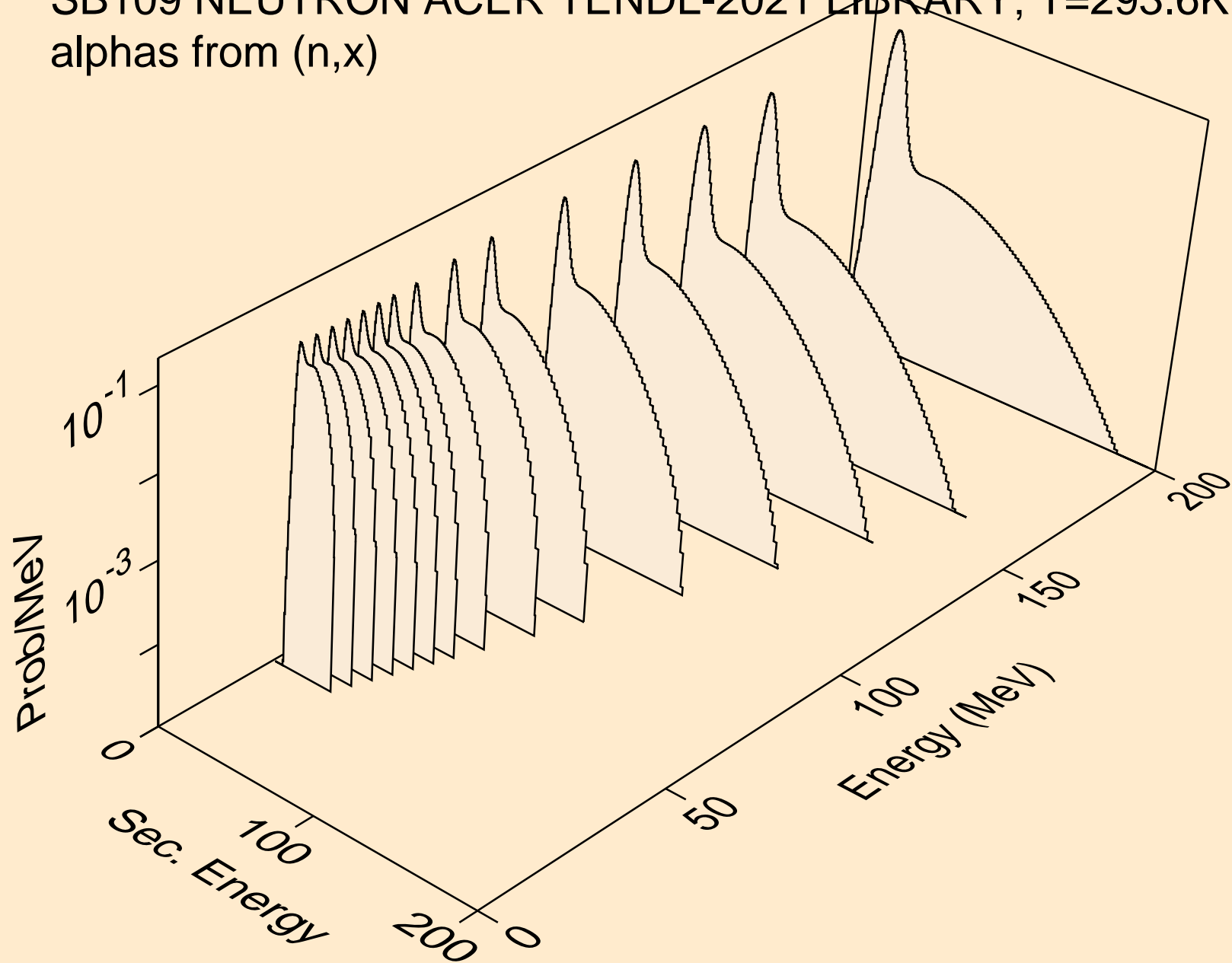
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he3s from (n,n\*)he3



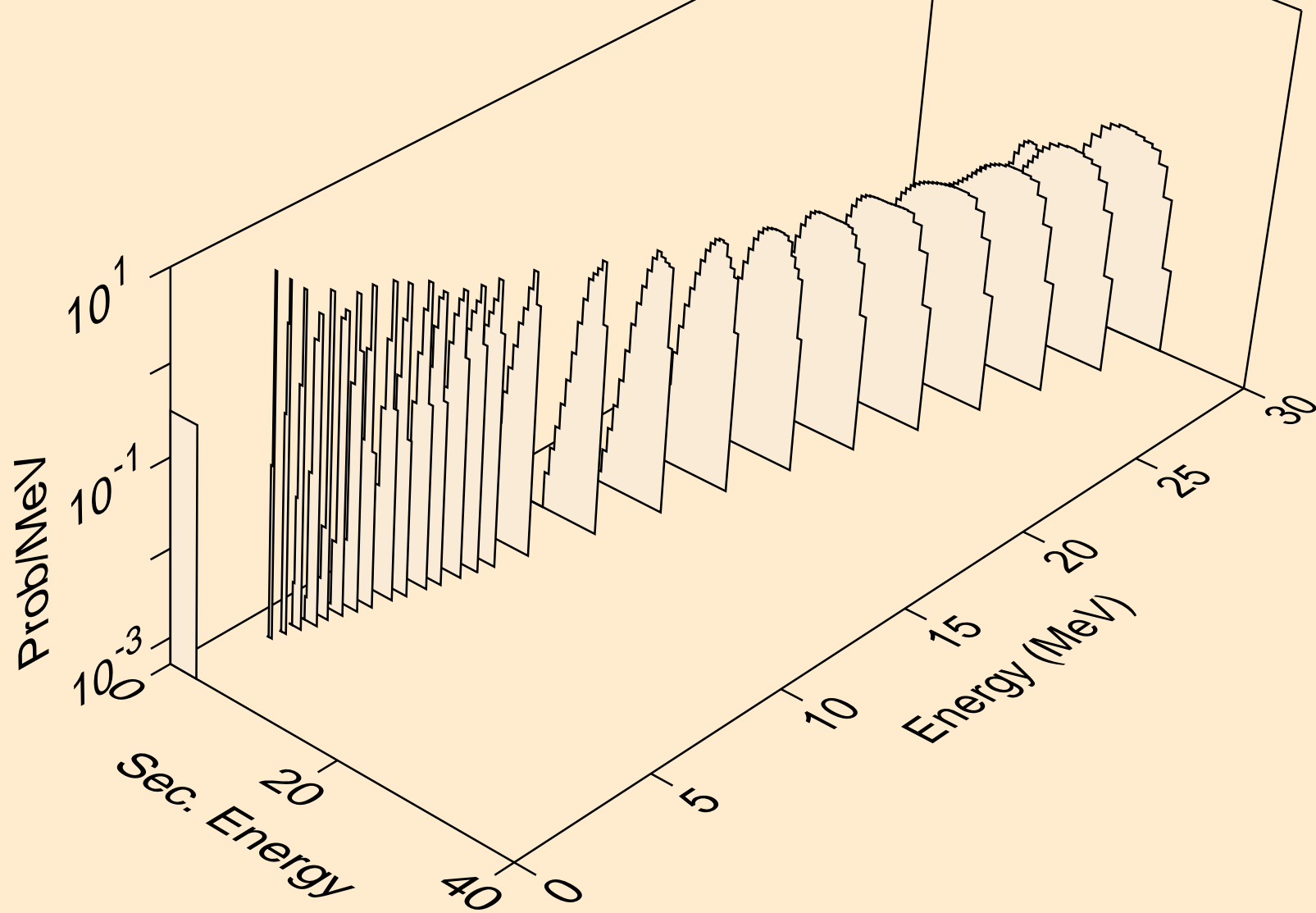
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



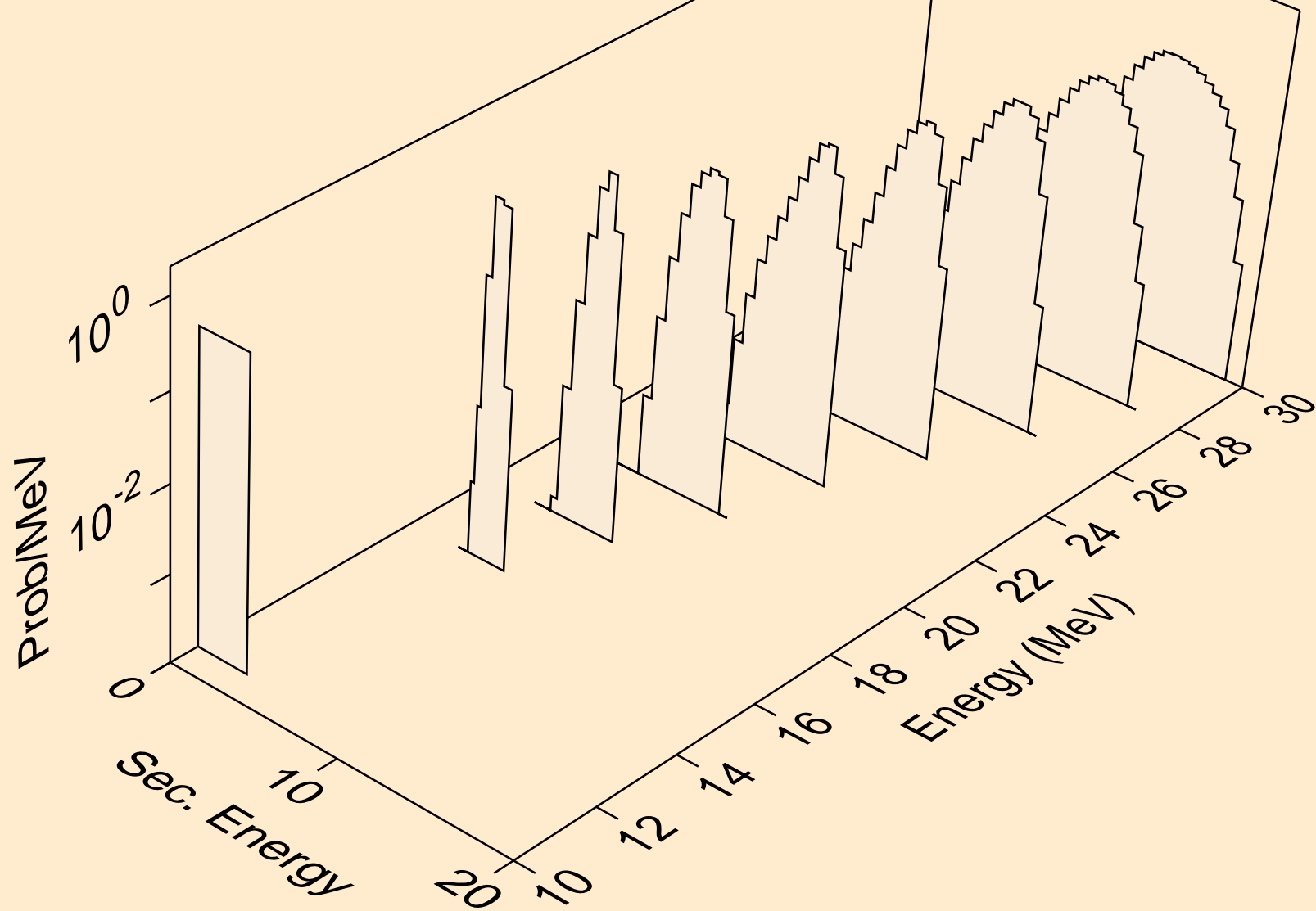
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



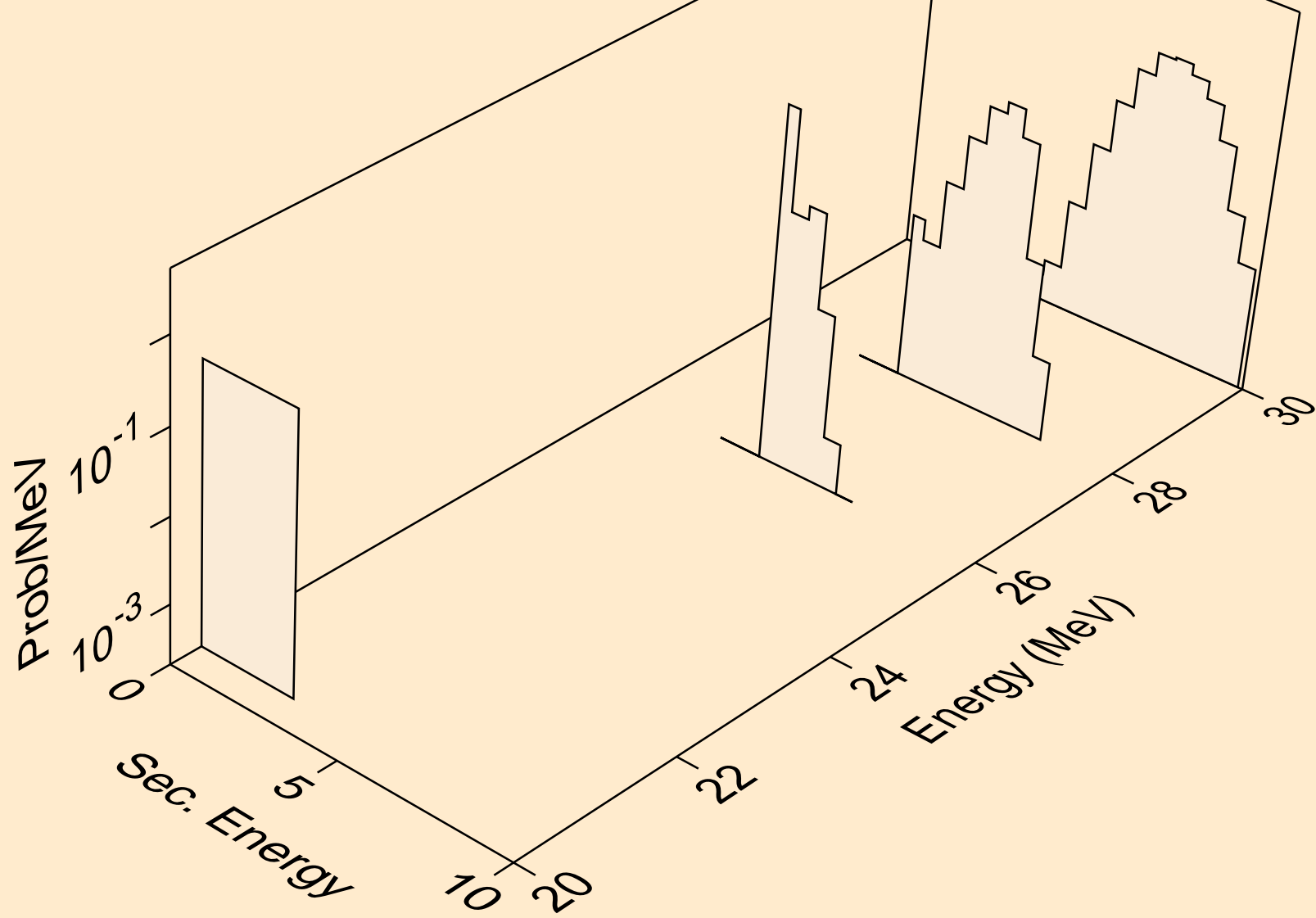
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

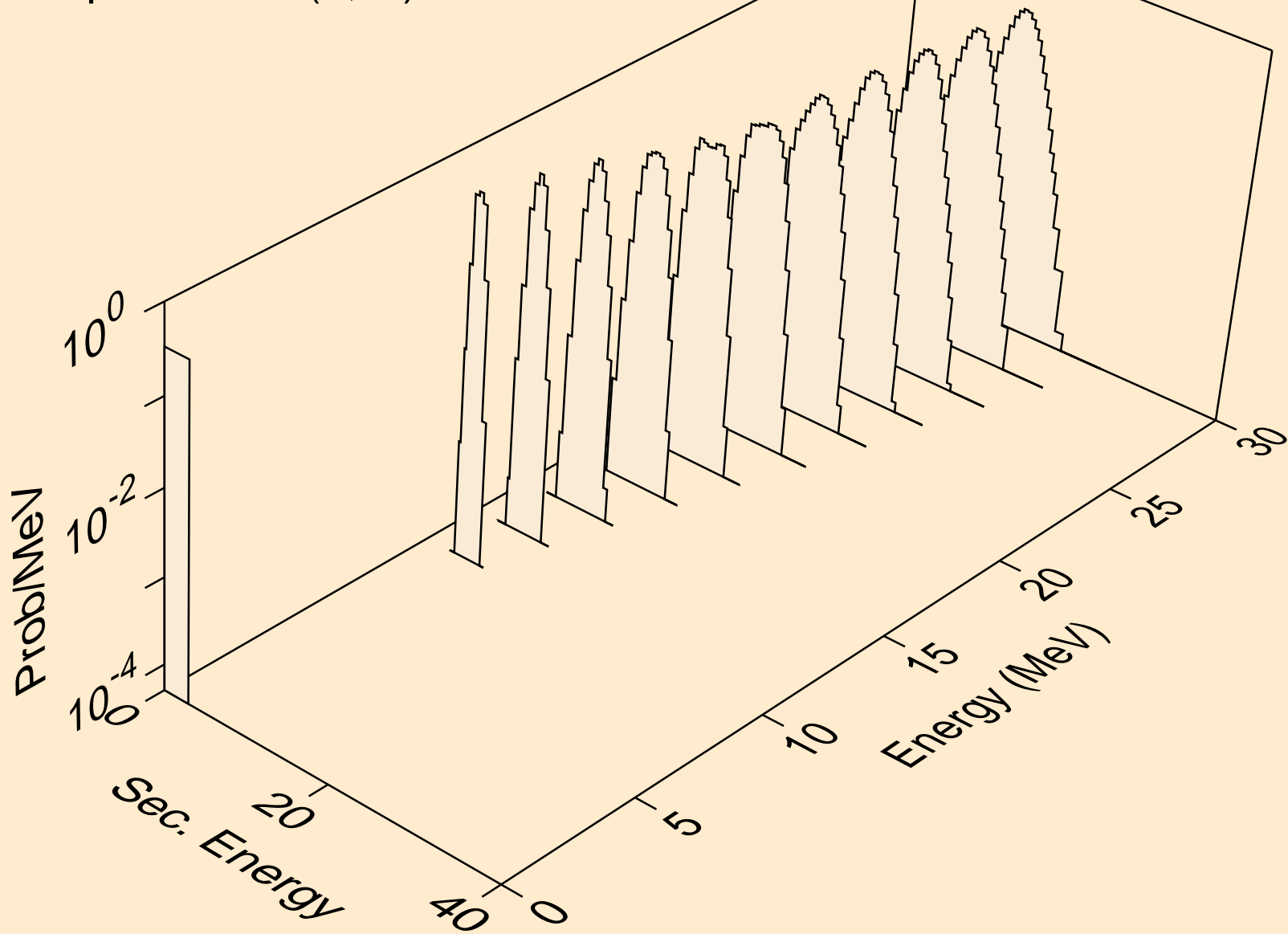


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alphas from (n,3n)a

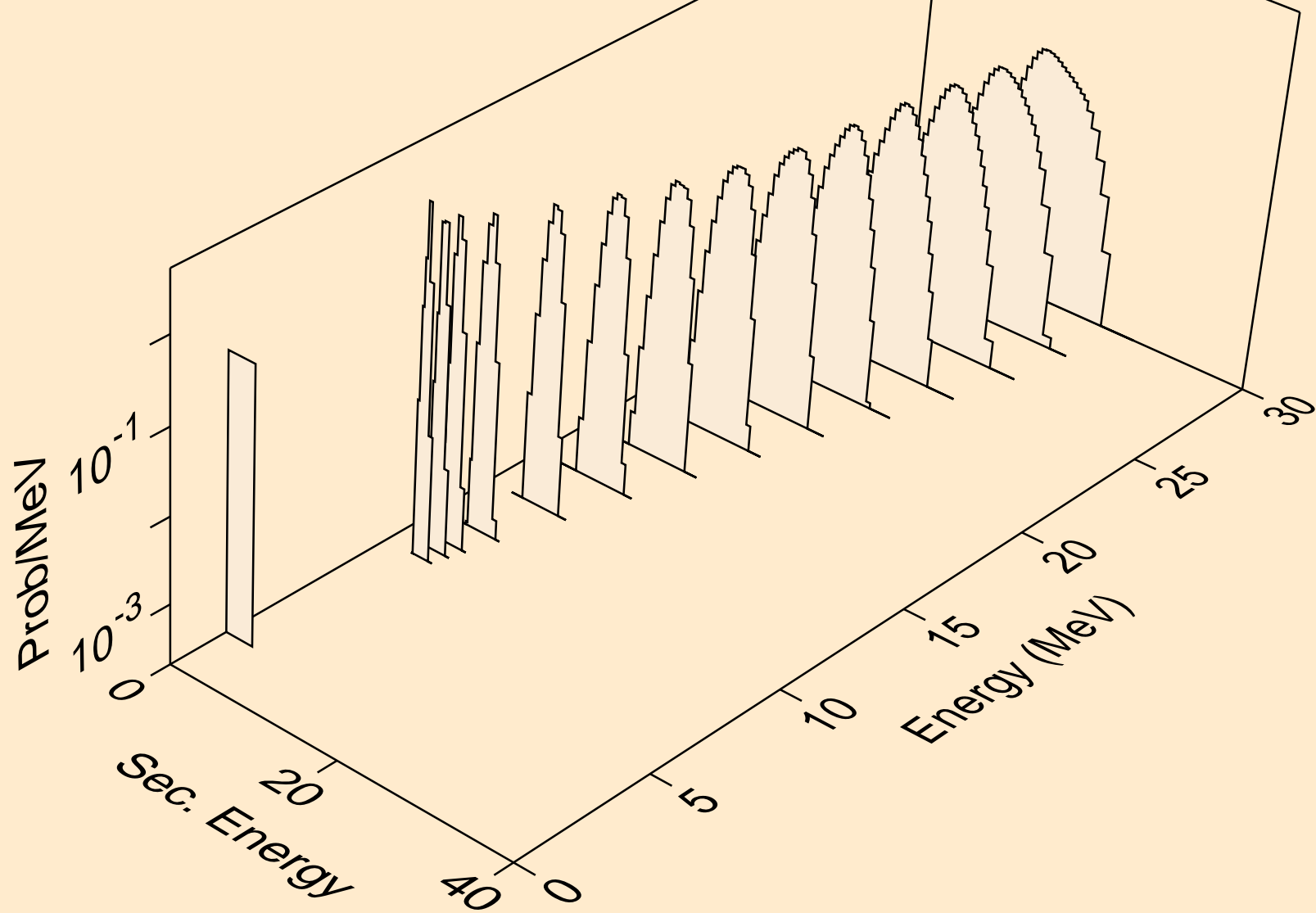




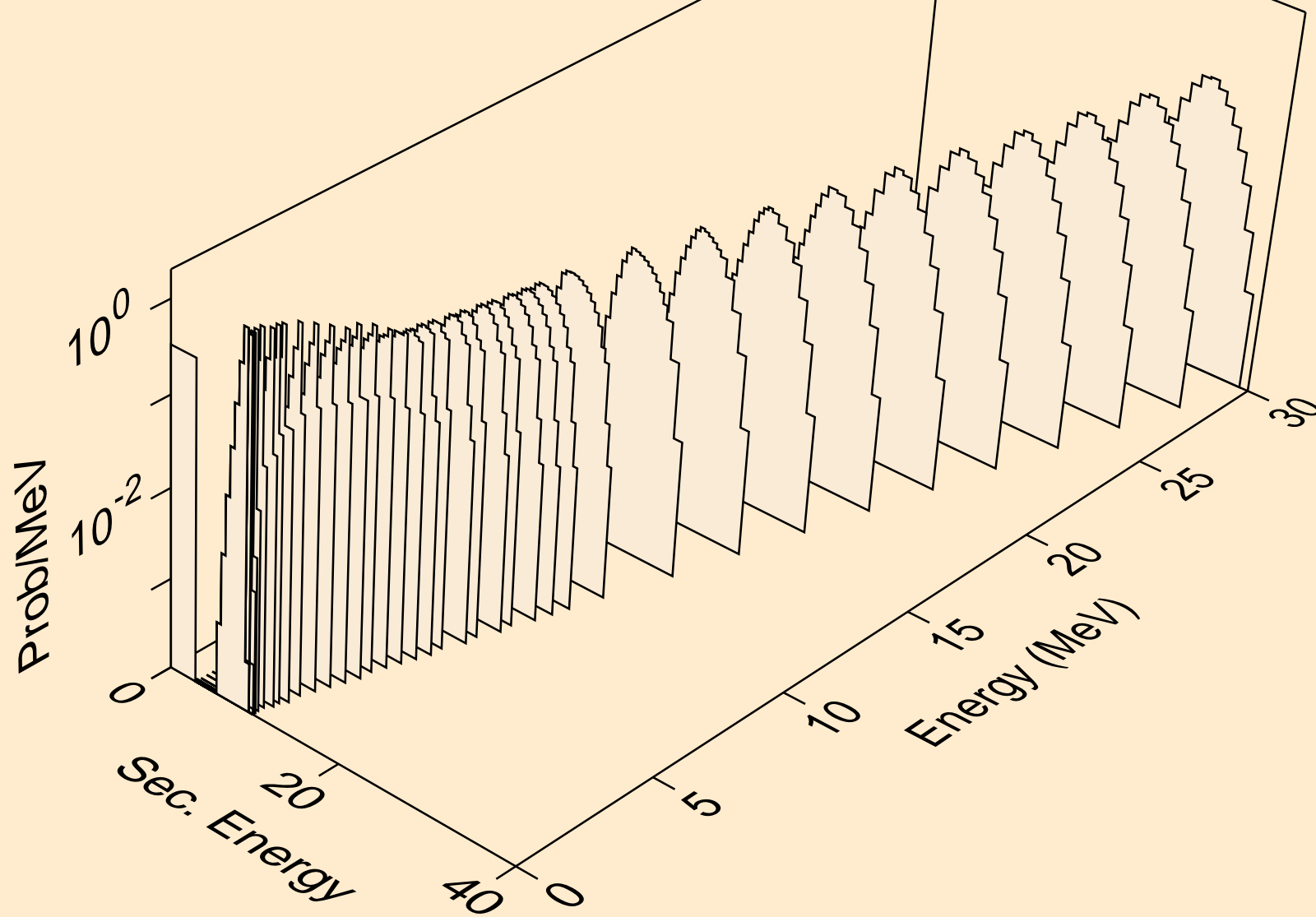
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



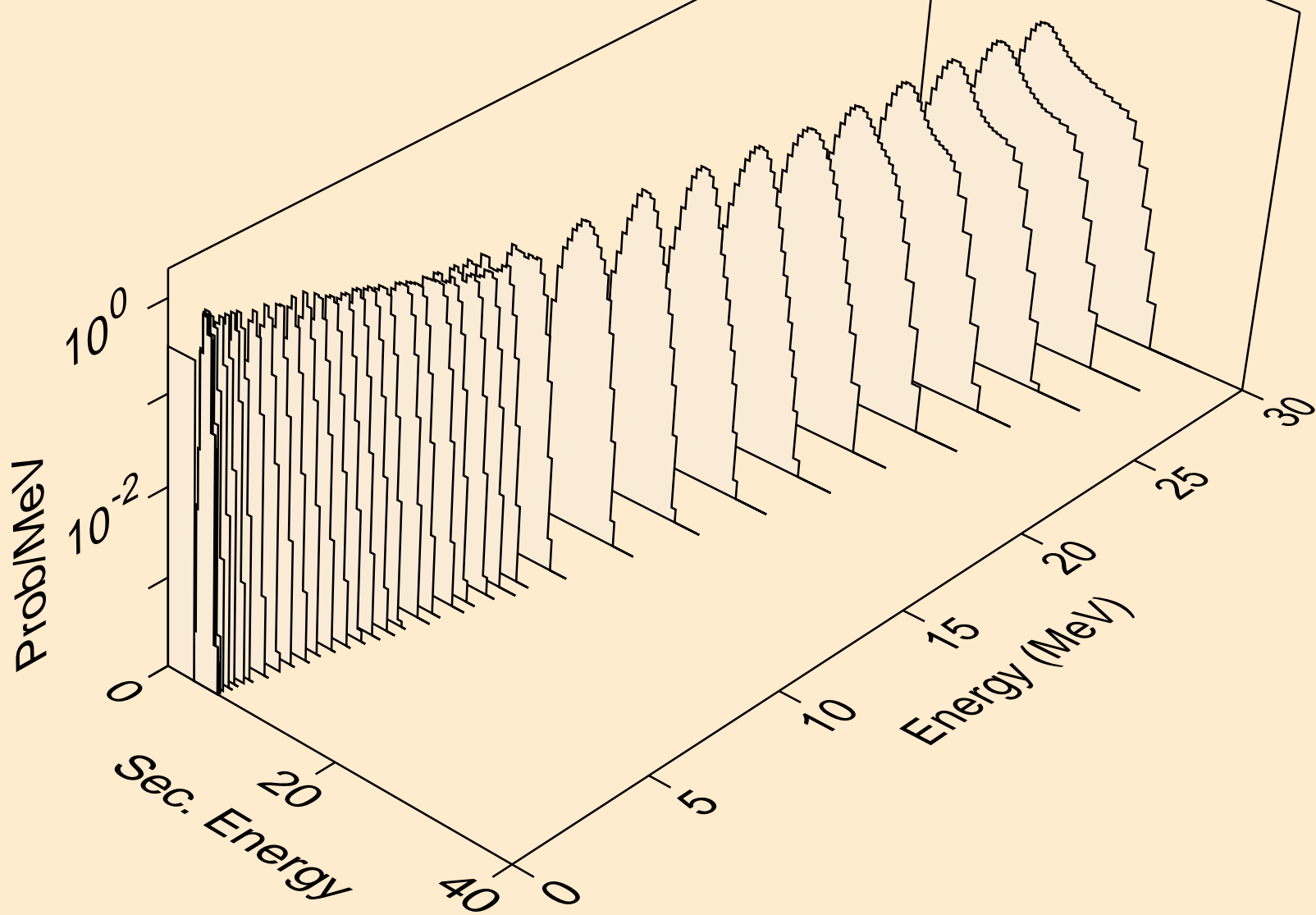
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alphas from (n,npa)



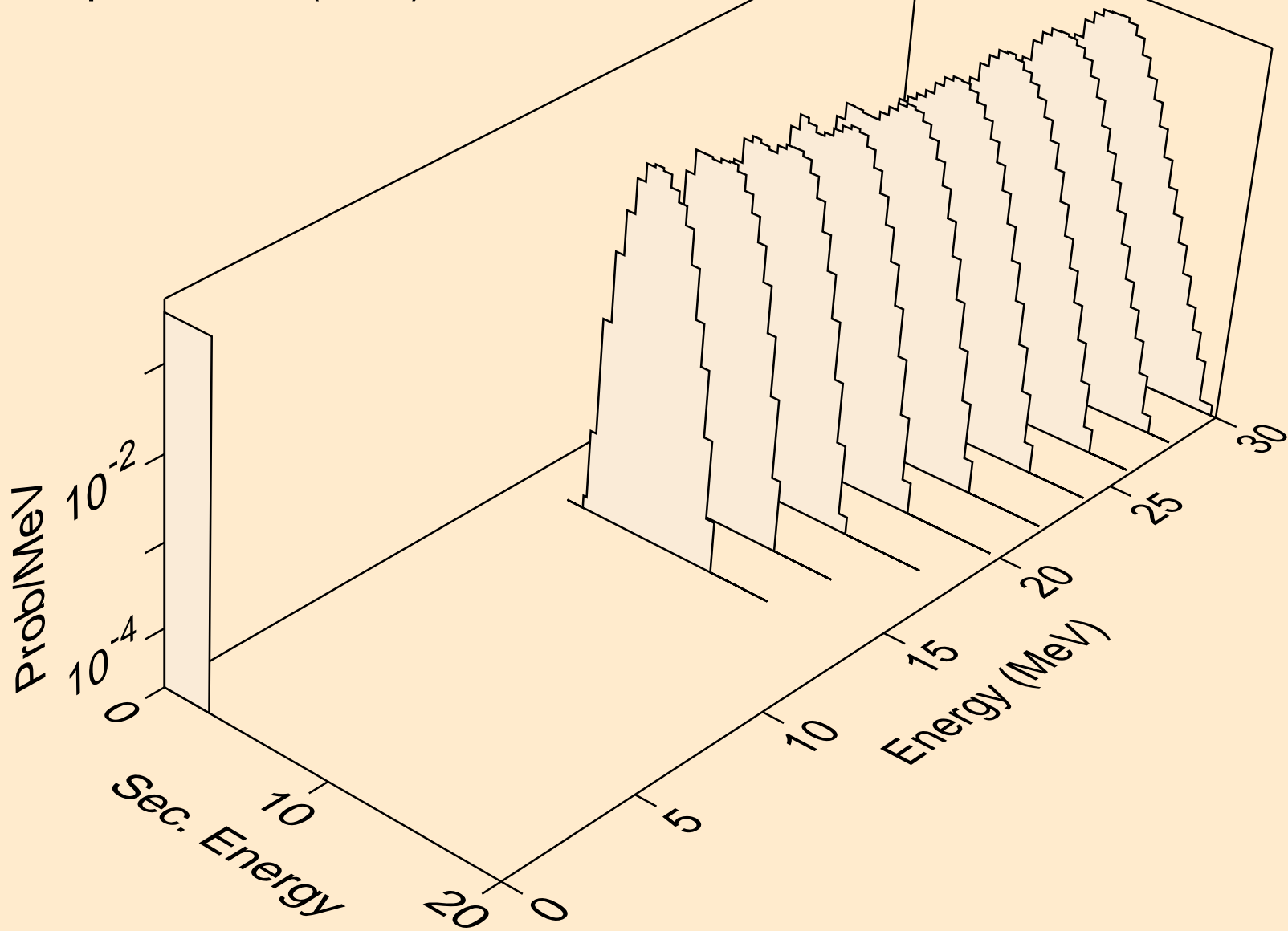
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alphas from (n,a)



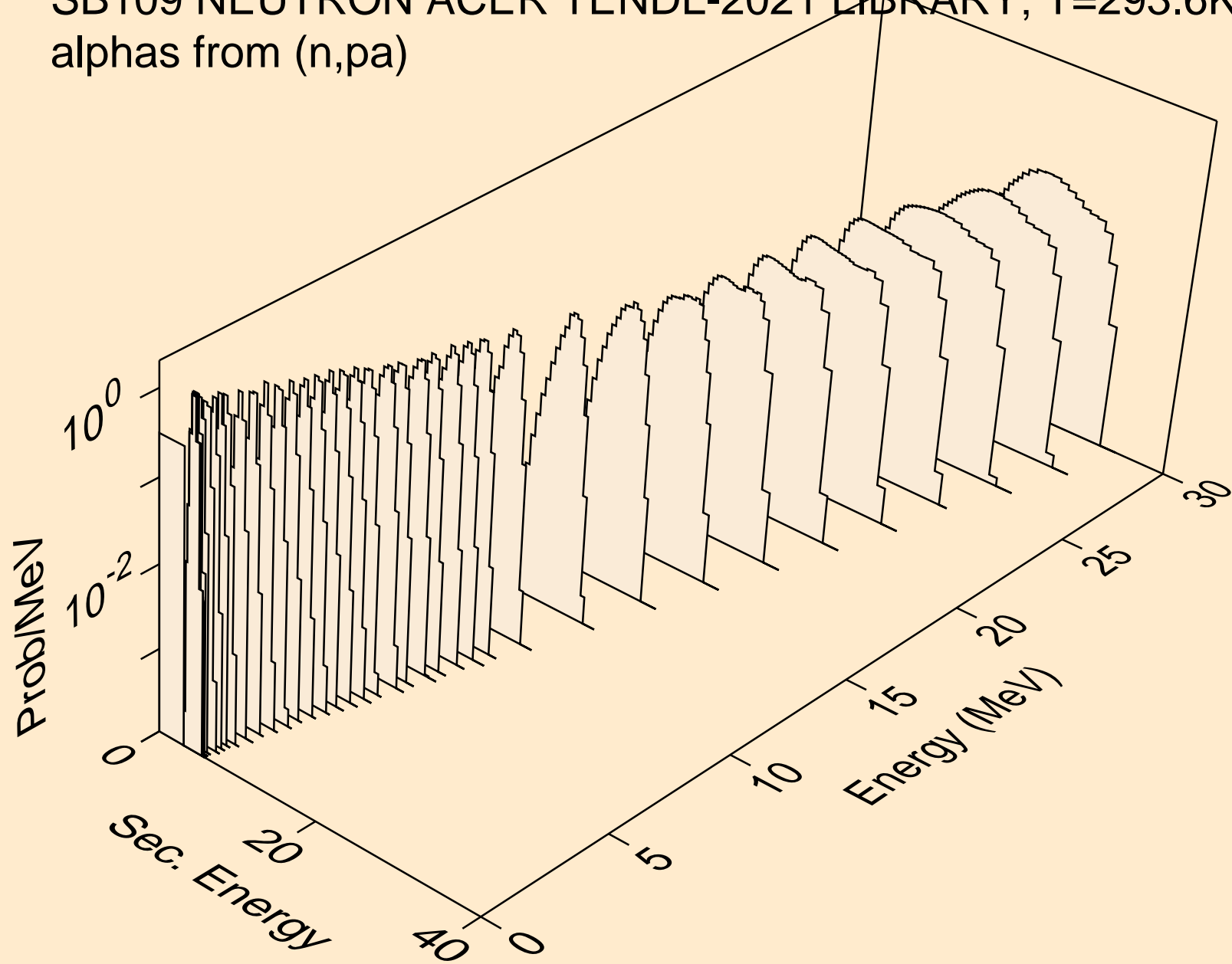
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alphas from (n,2a)



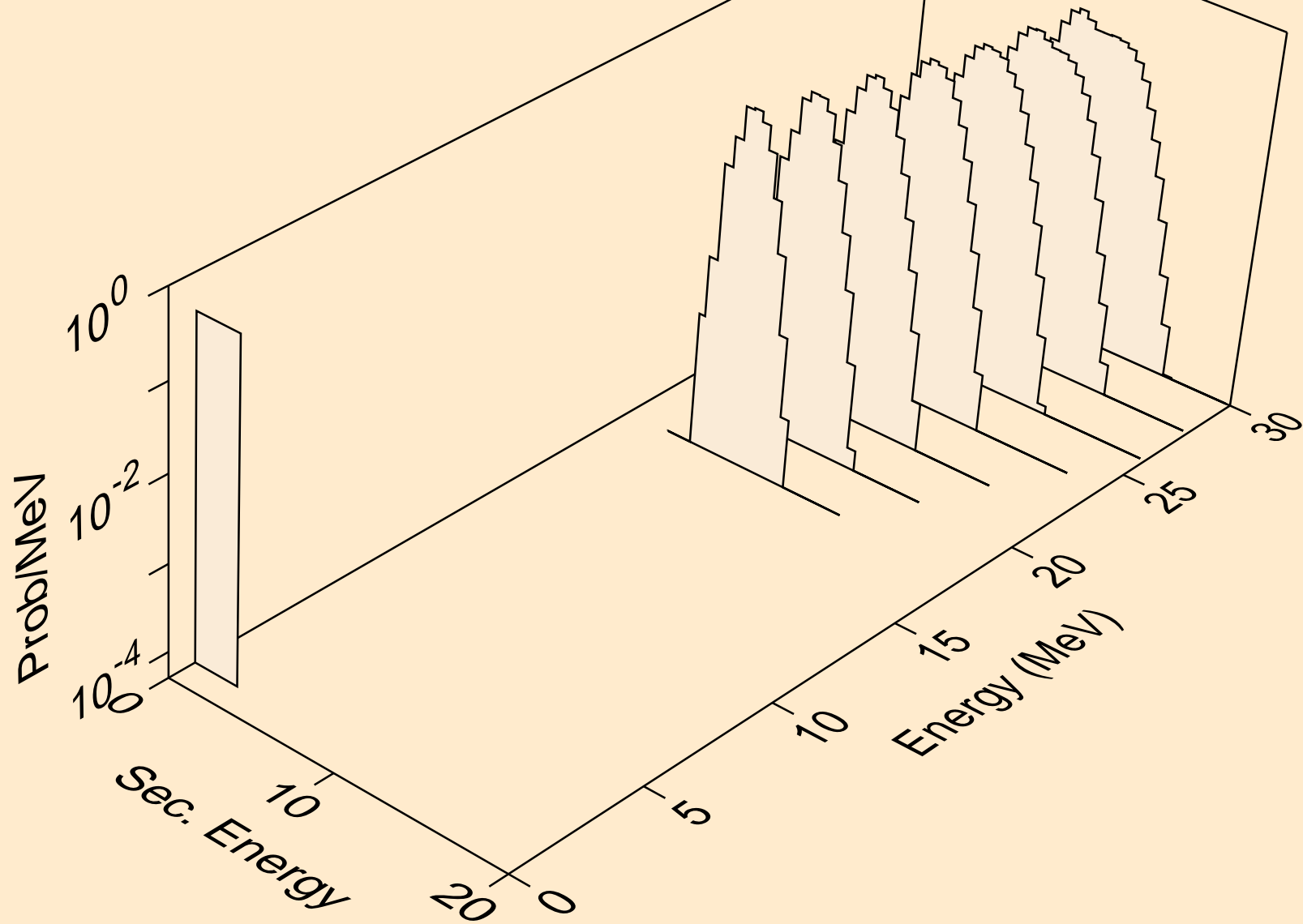
SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



SB109 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

