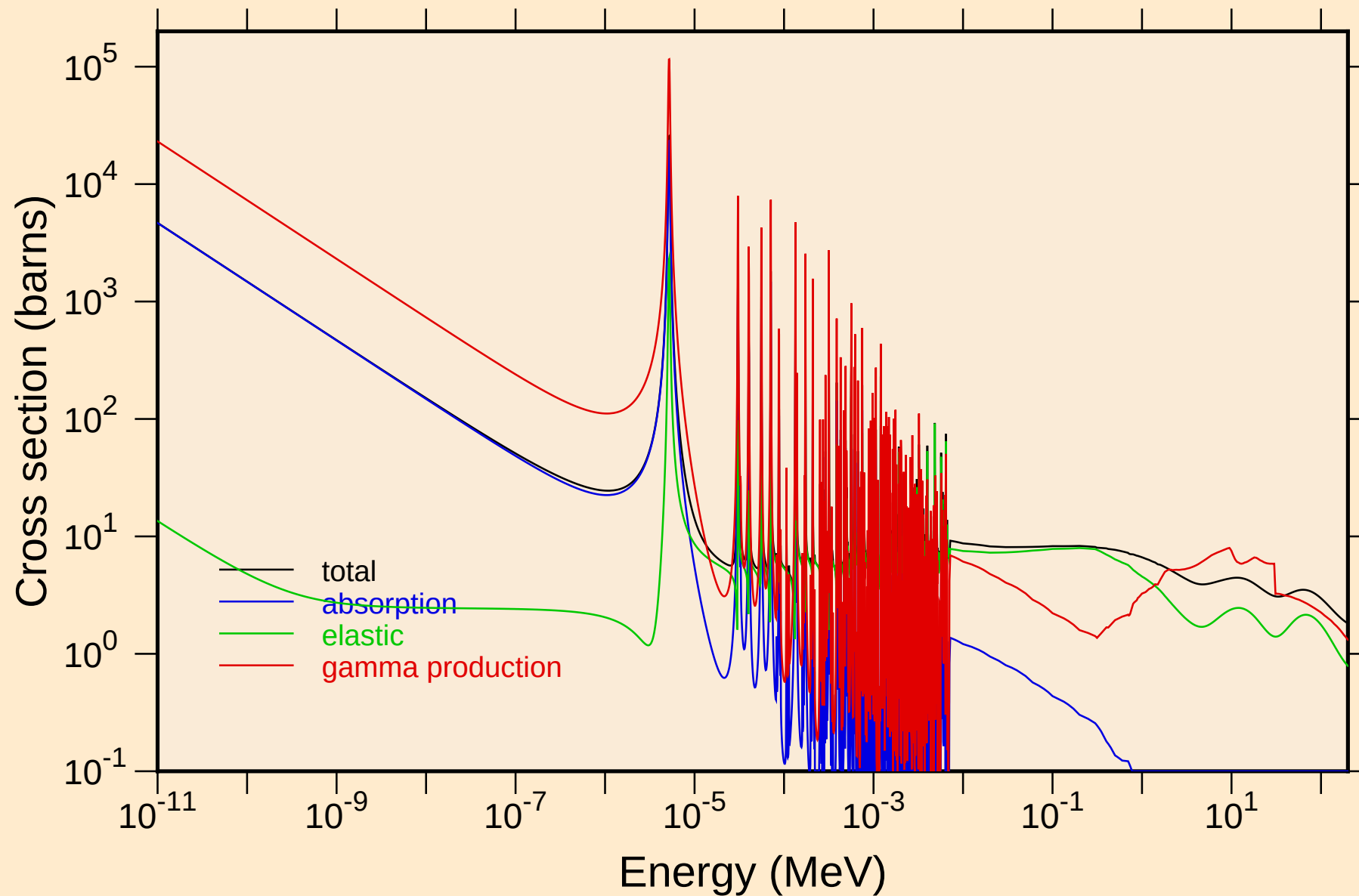
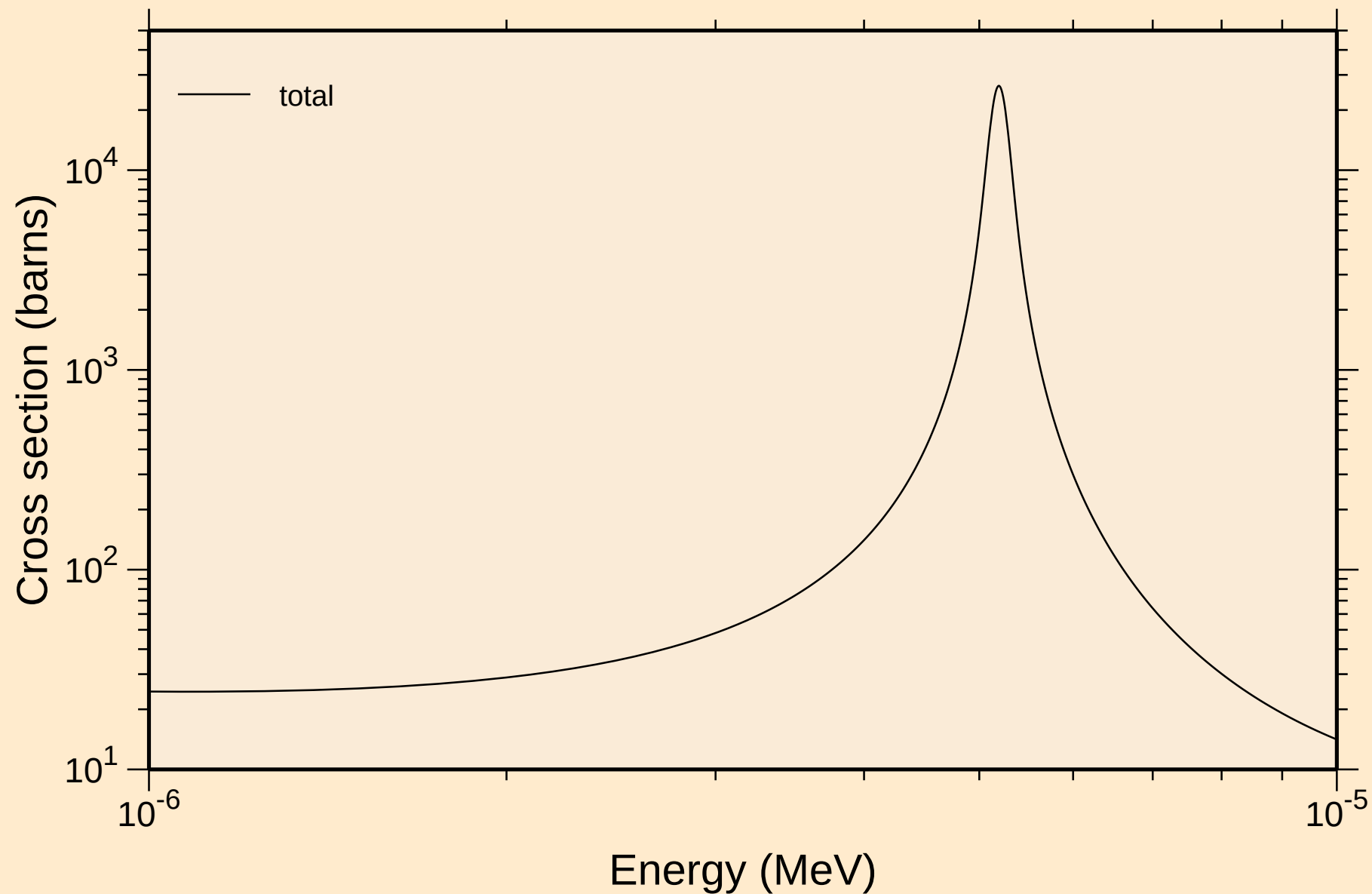


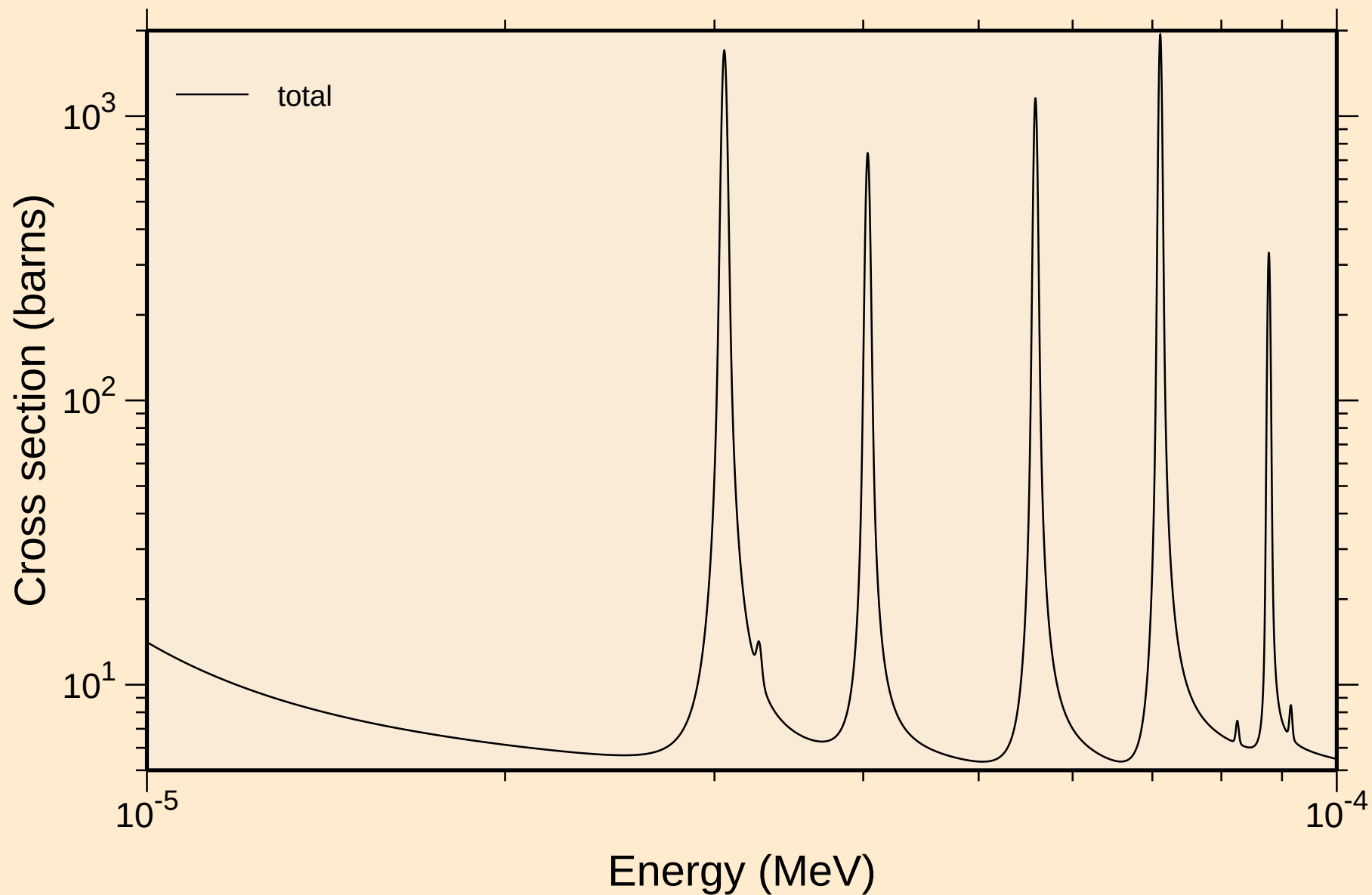
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections



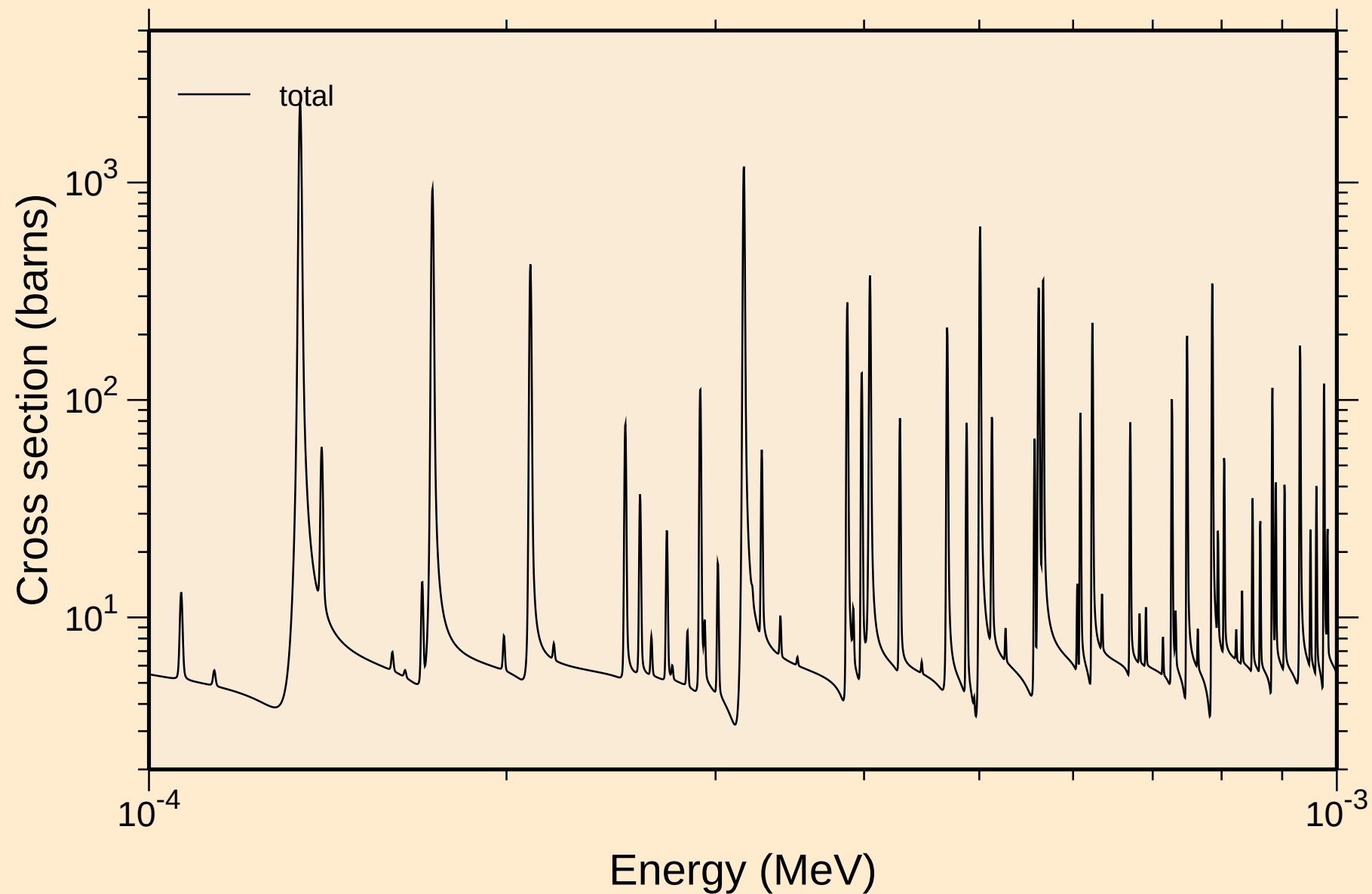
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



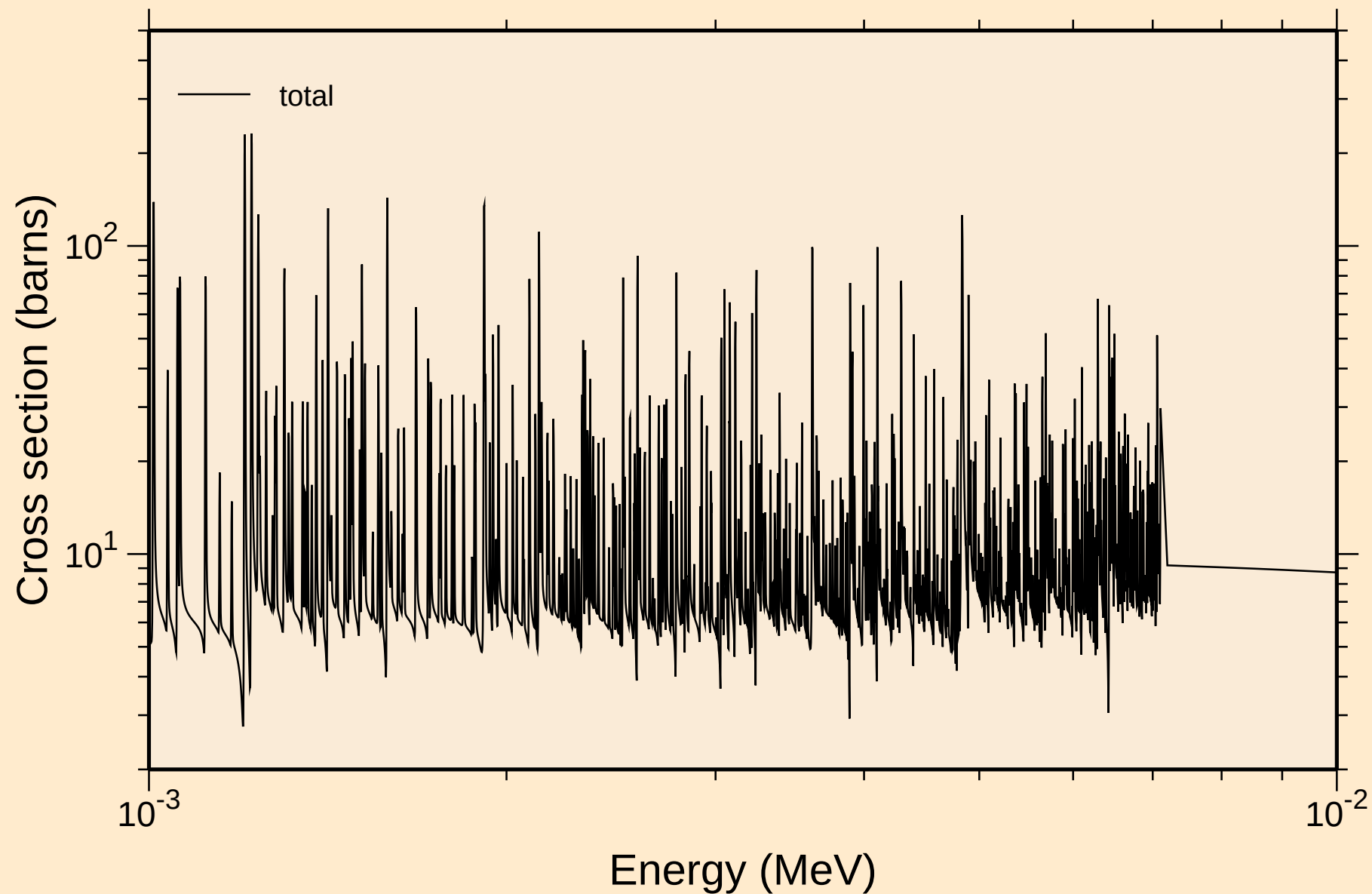
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



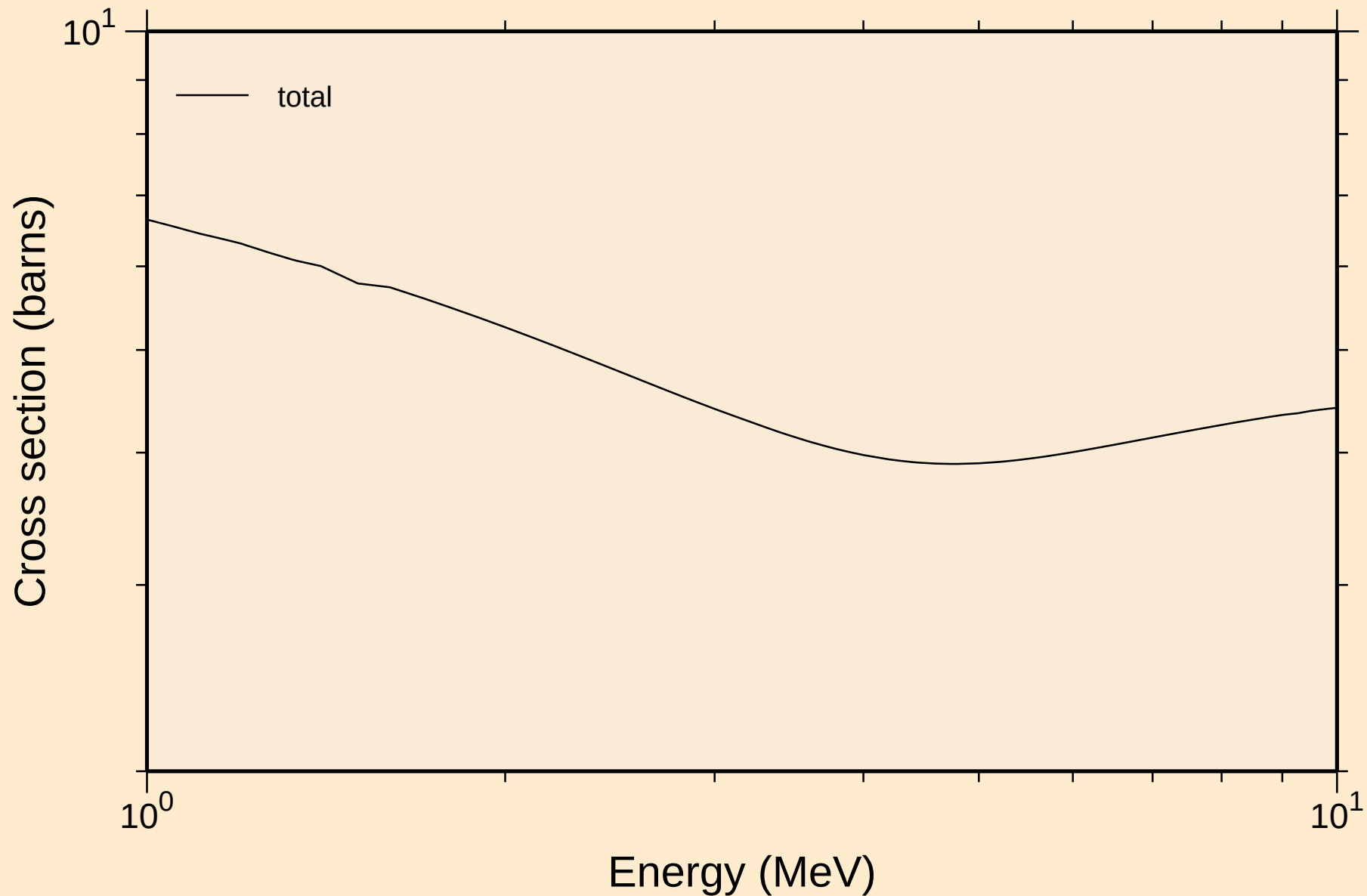
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resonance total cross section



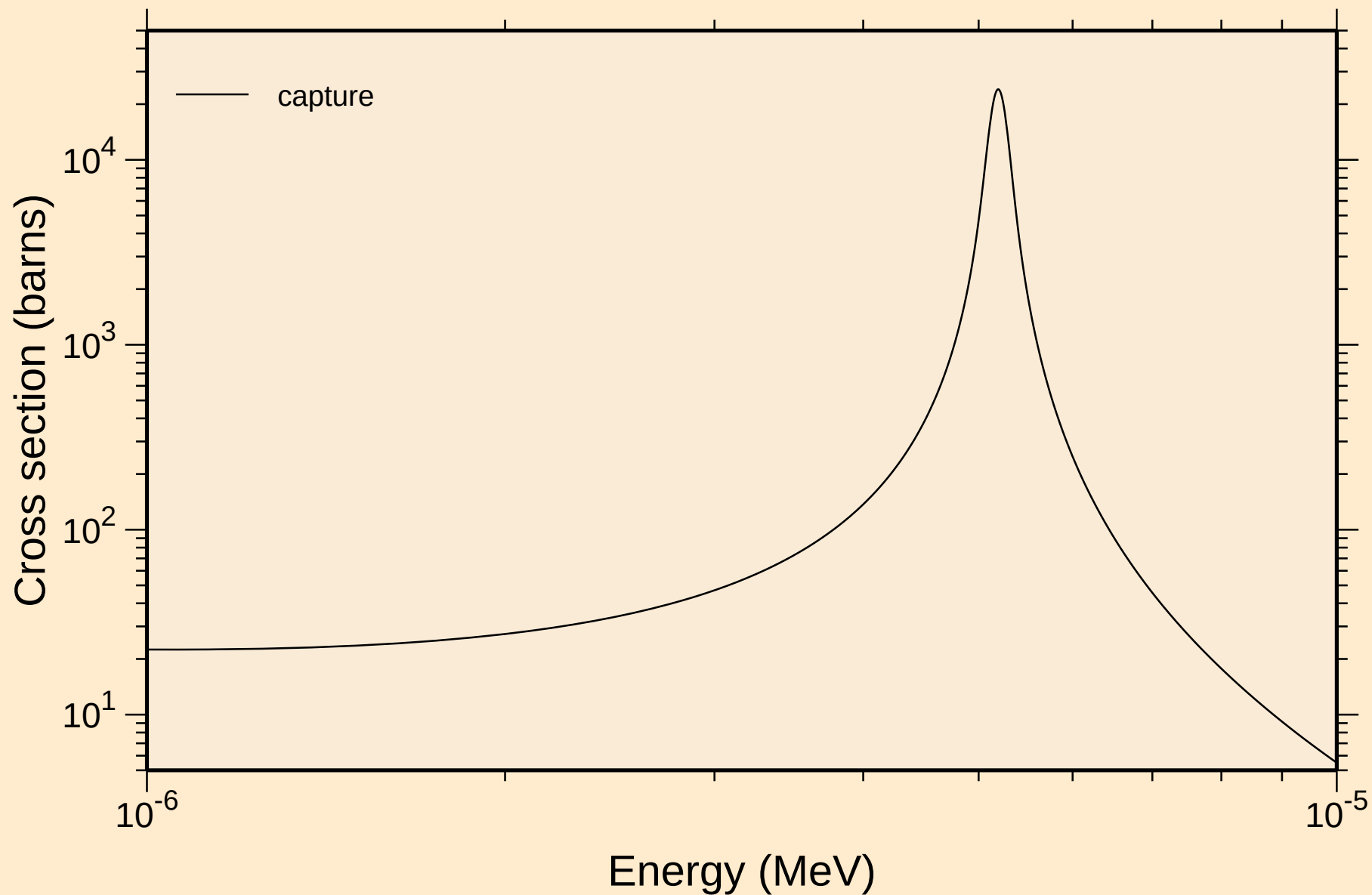
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



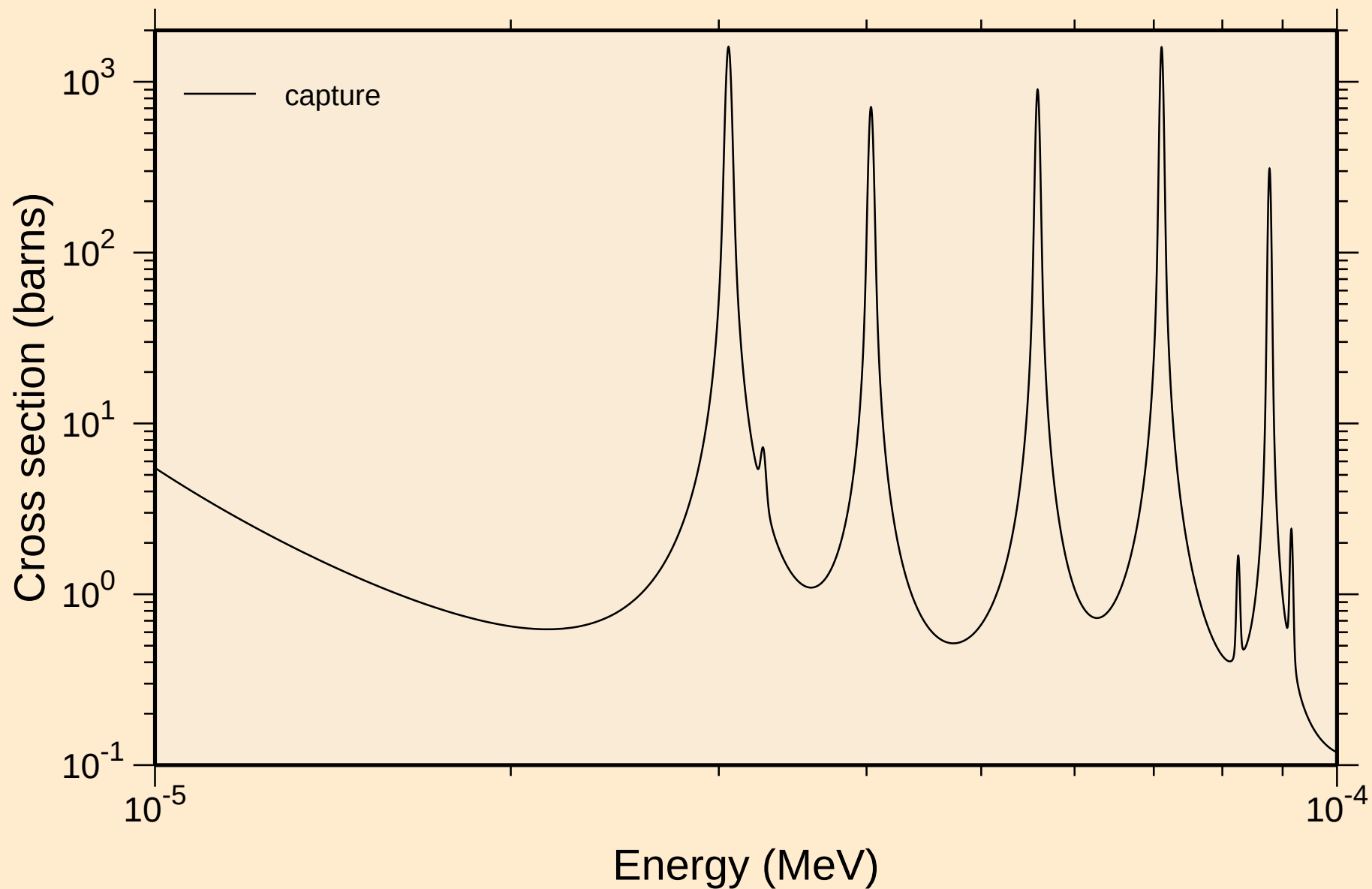
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

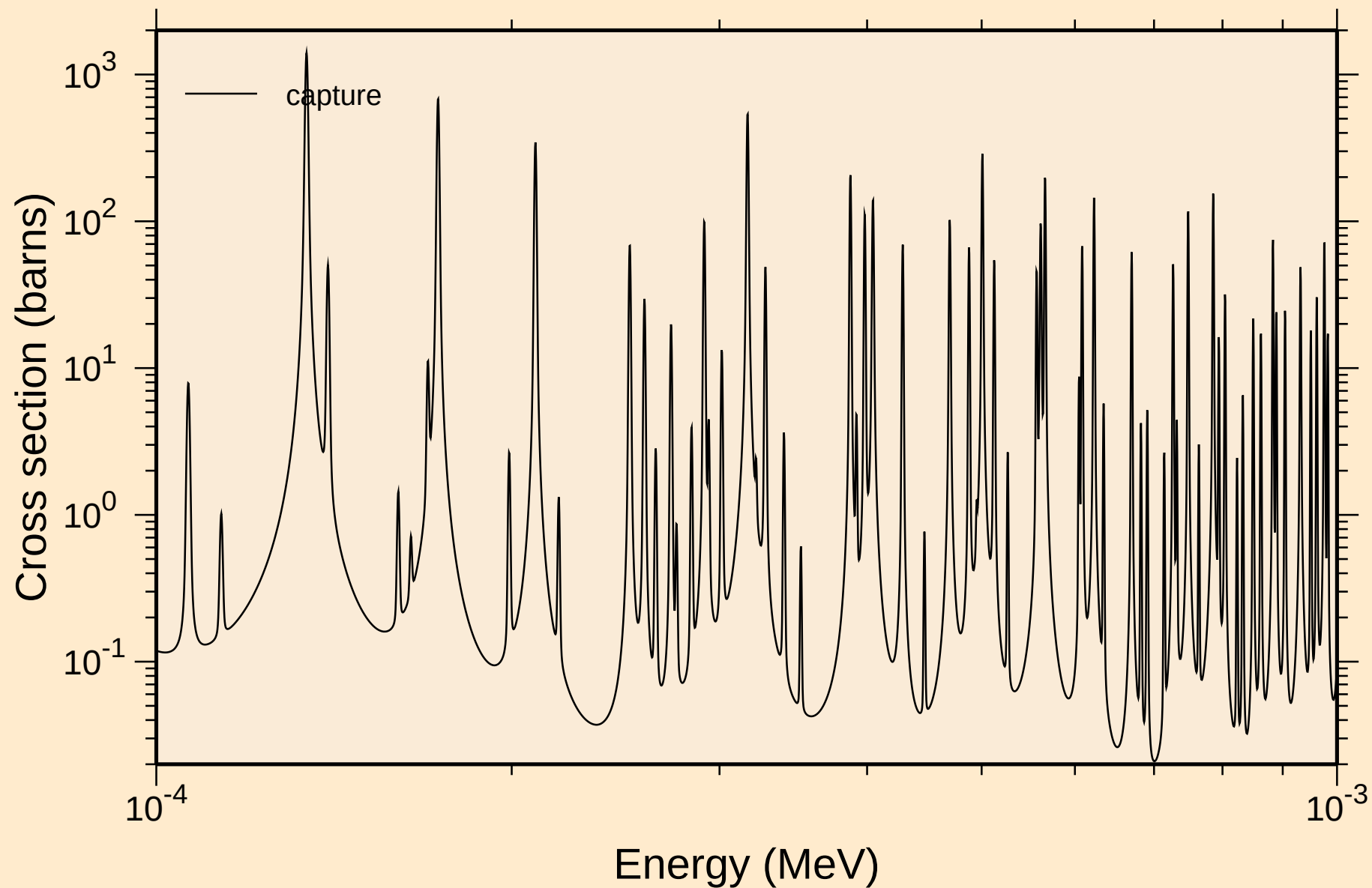


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

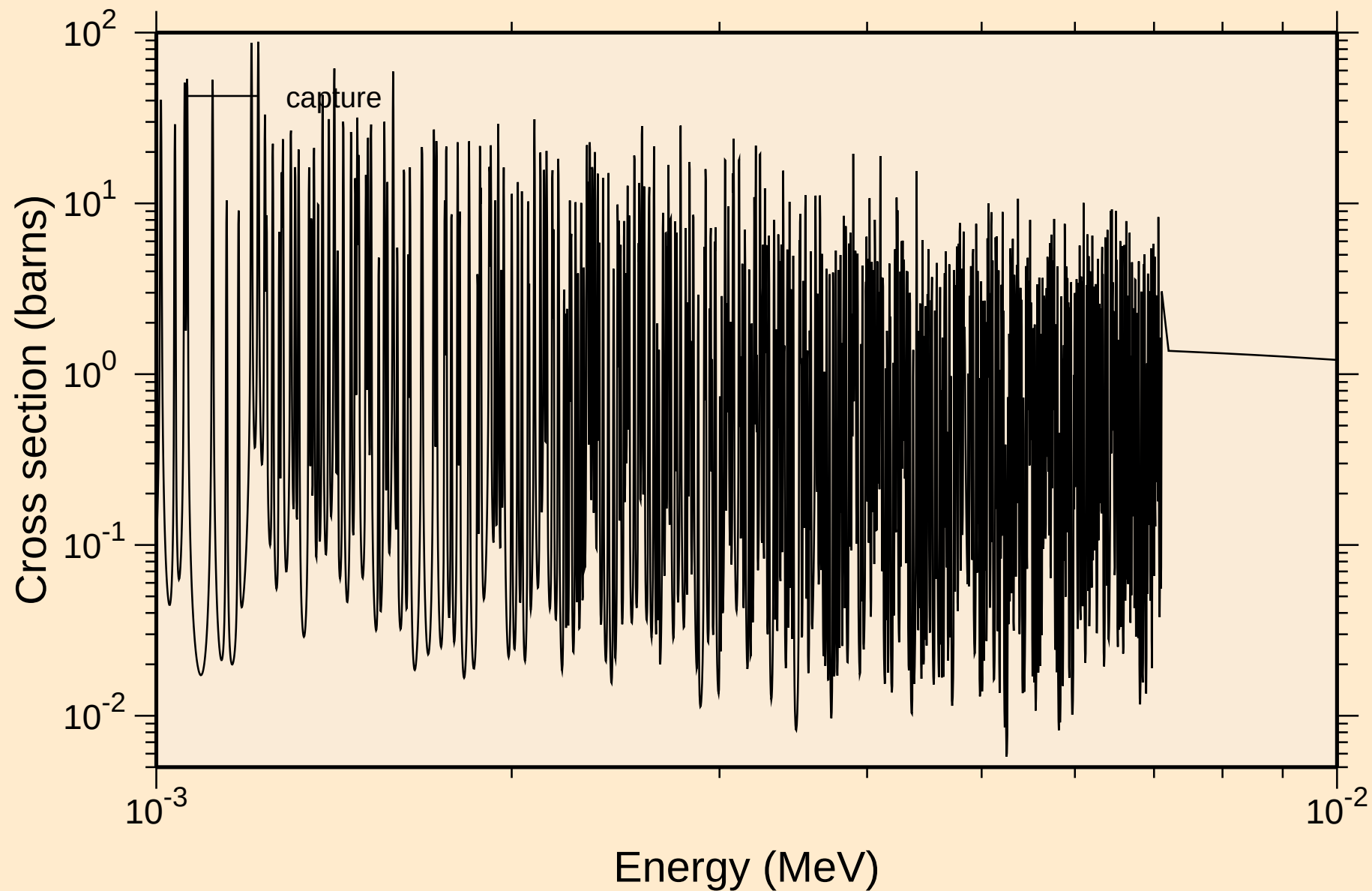




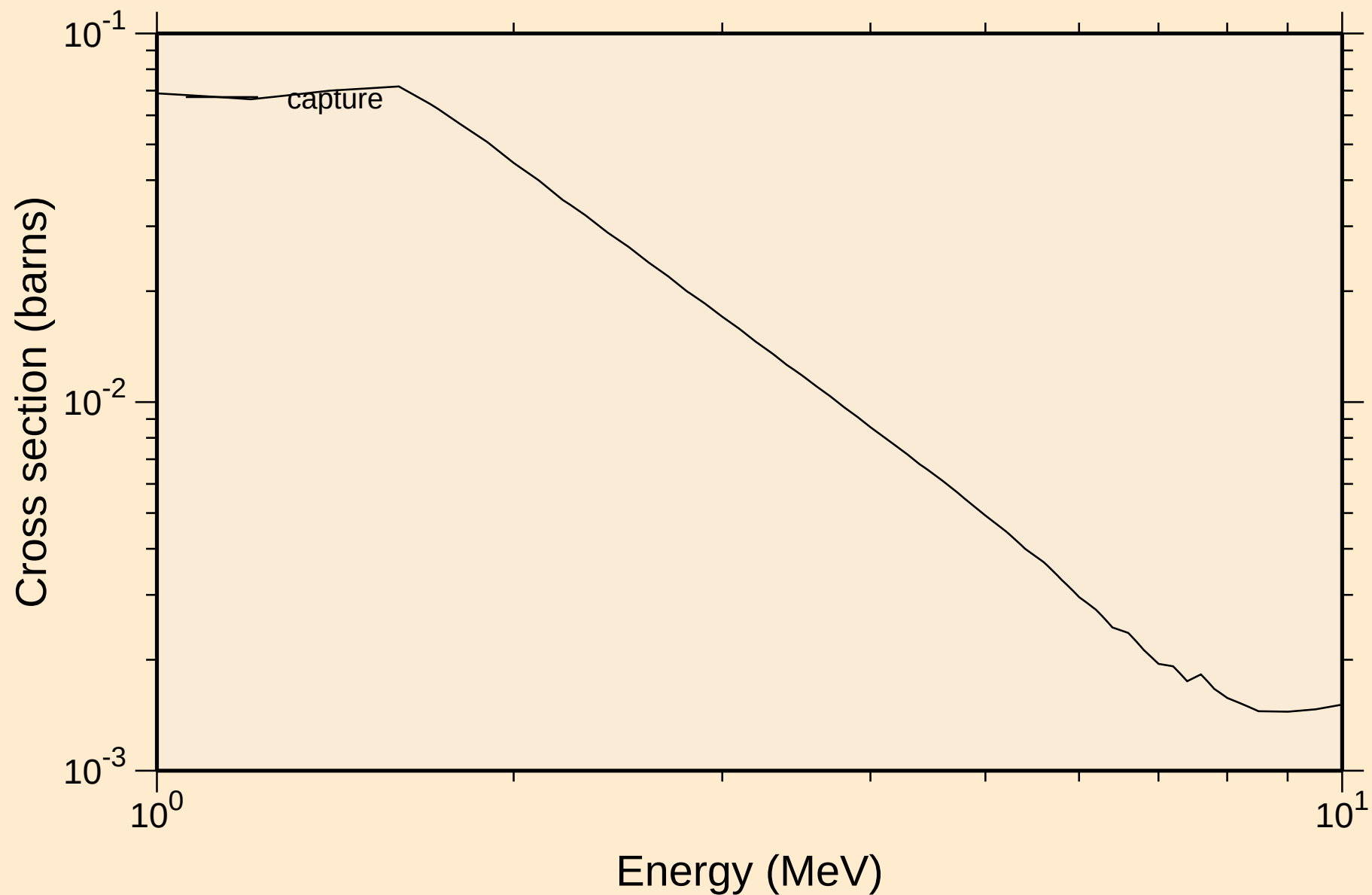
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



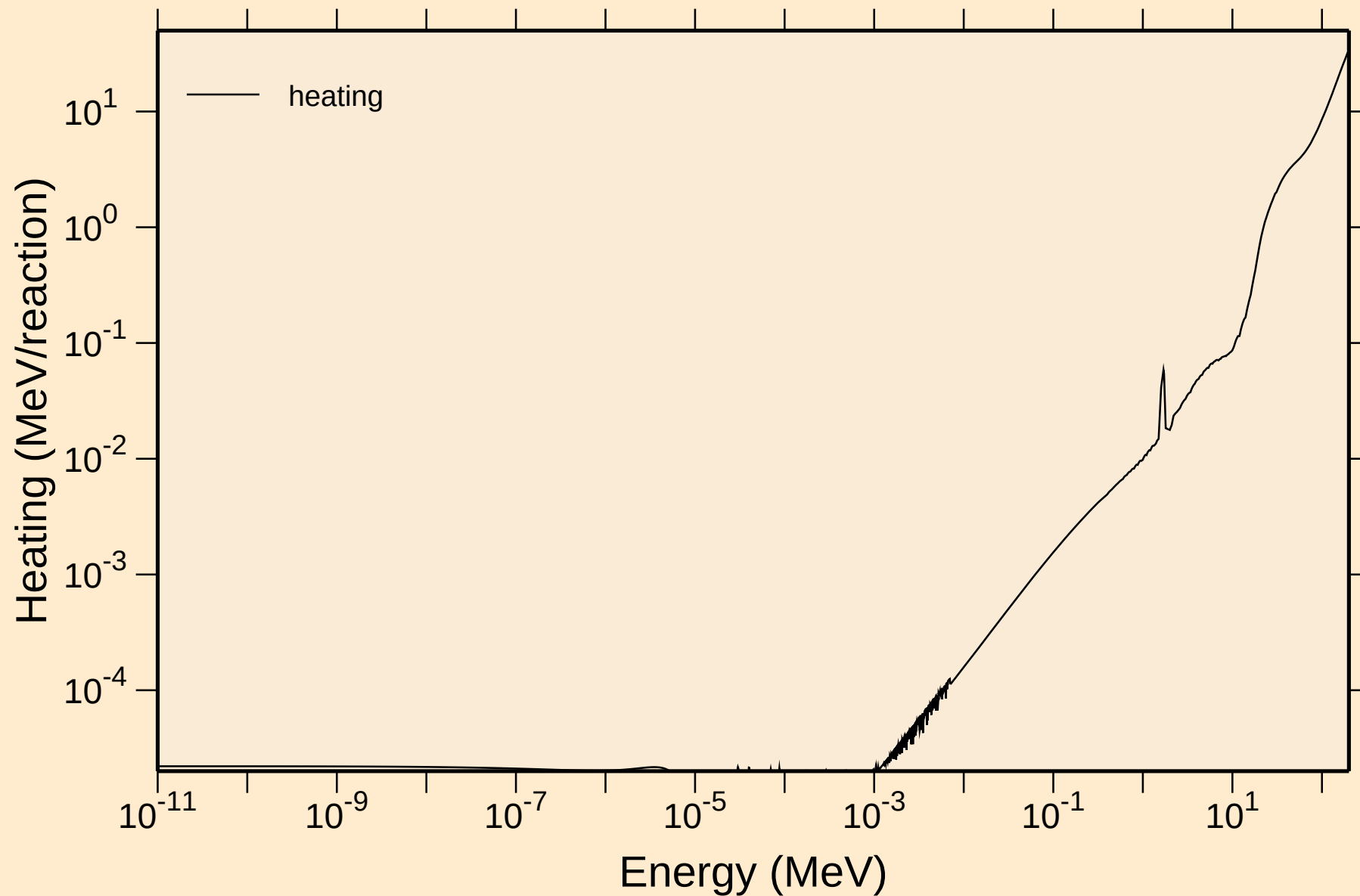
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resonance absorption cross sections



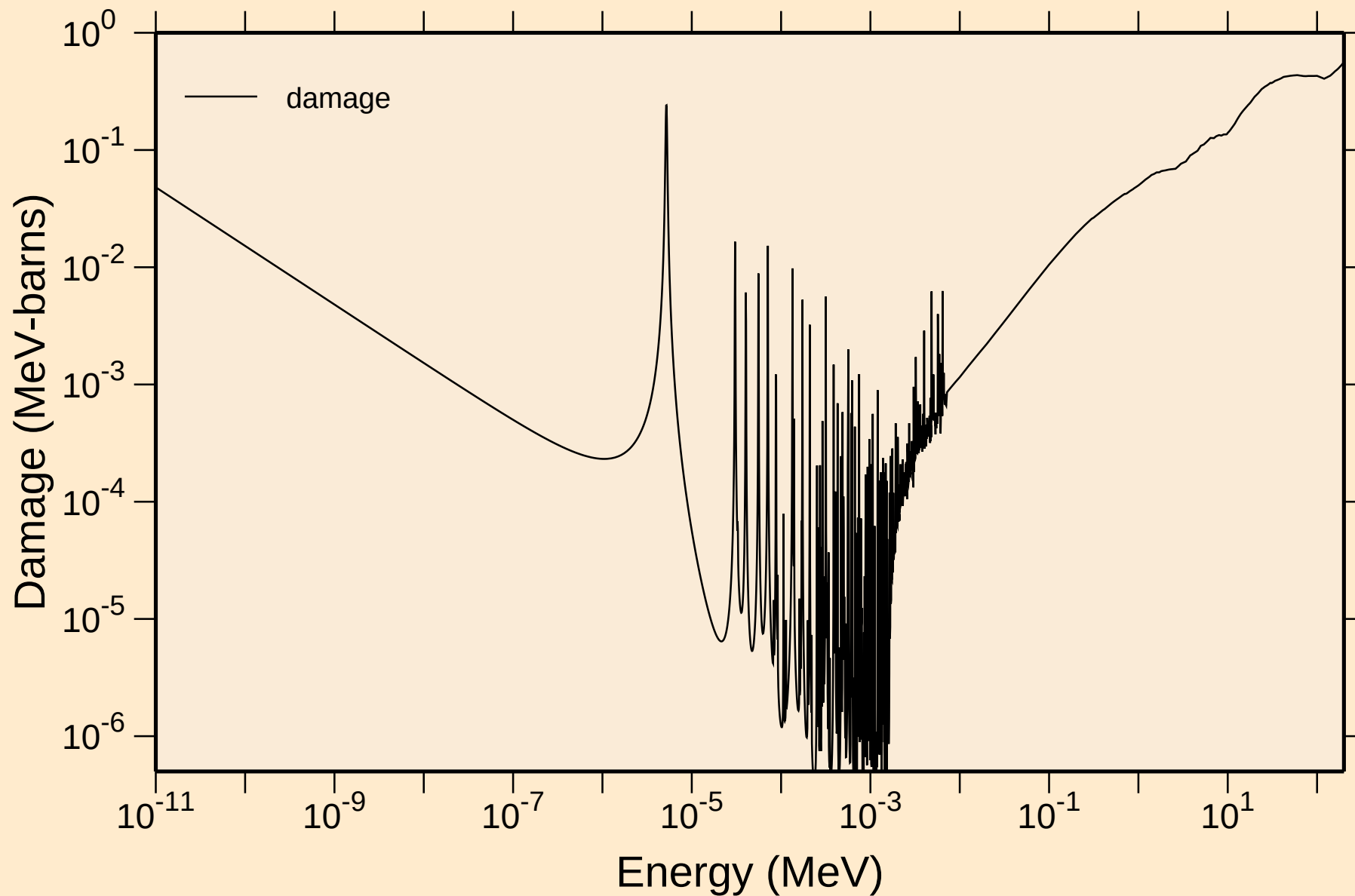
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



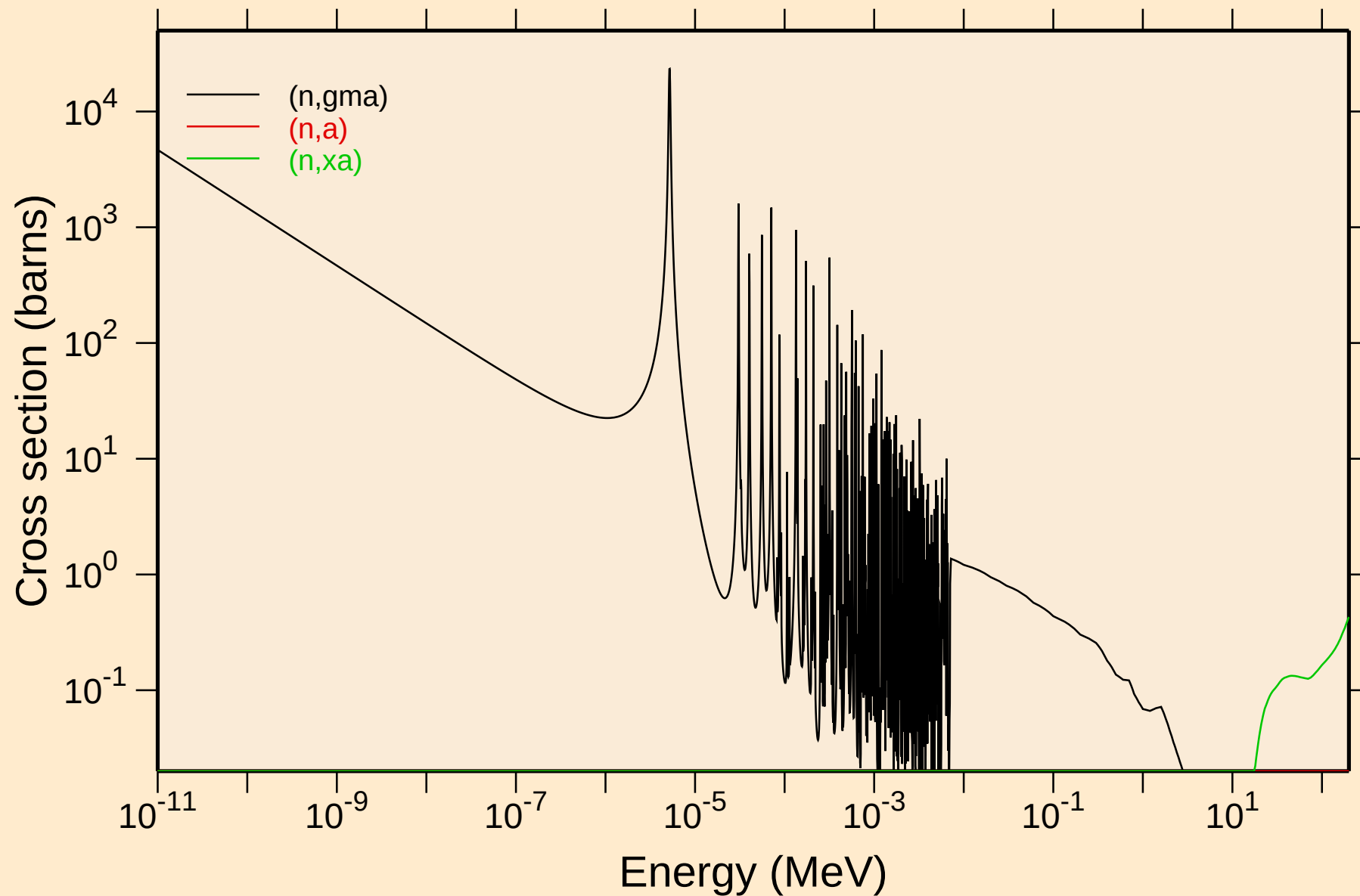
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

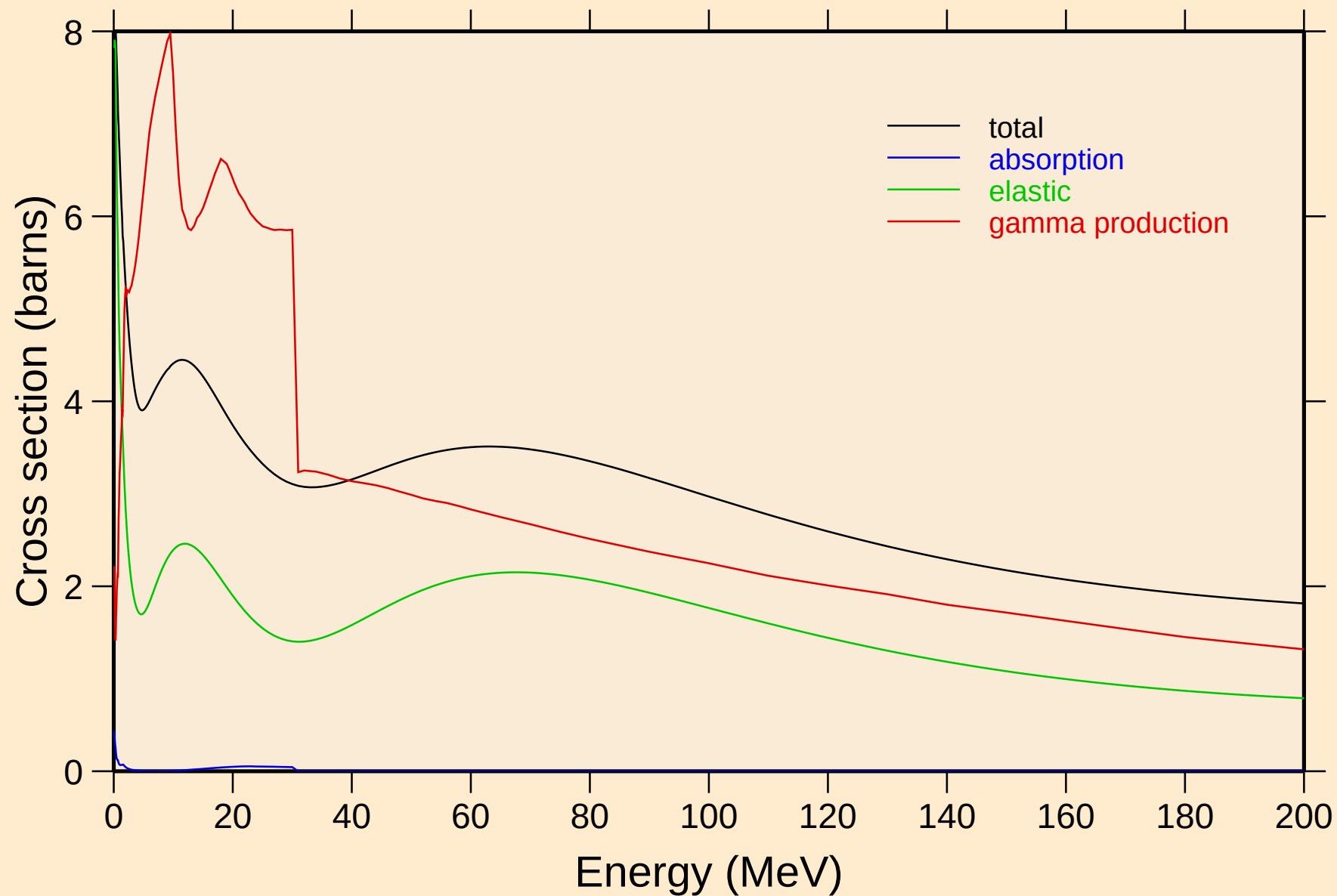


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



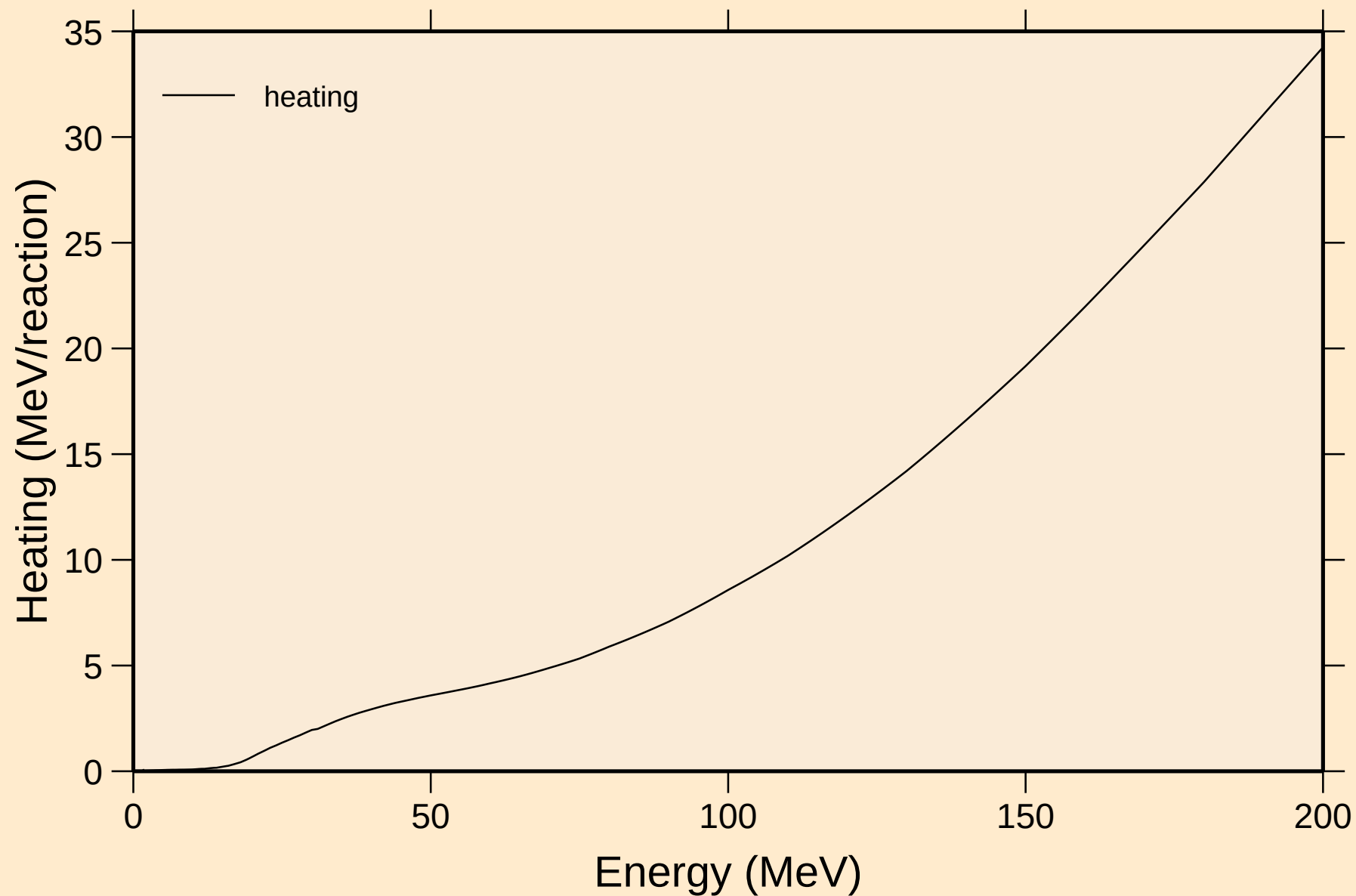
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## Principal cross sections



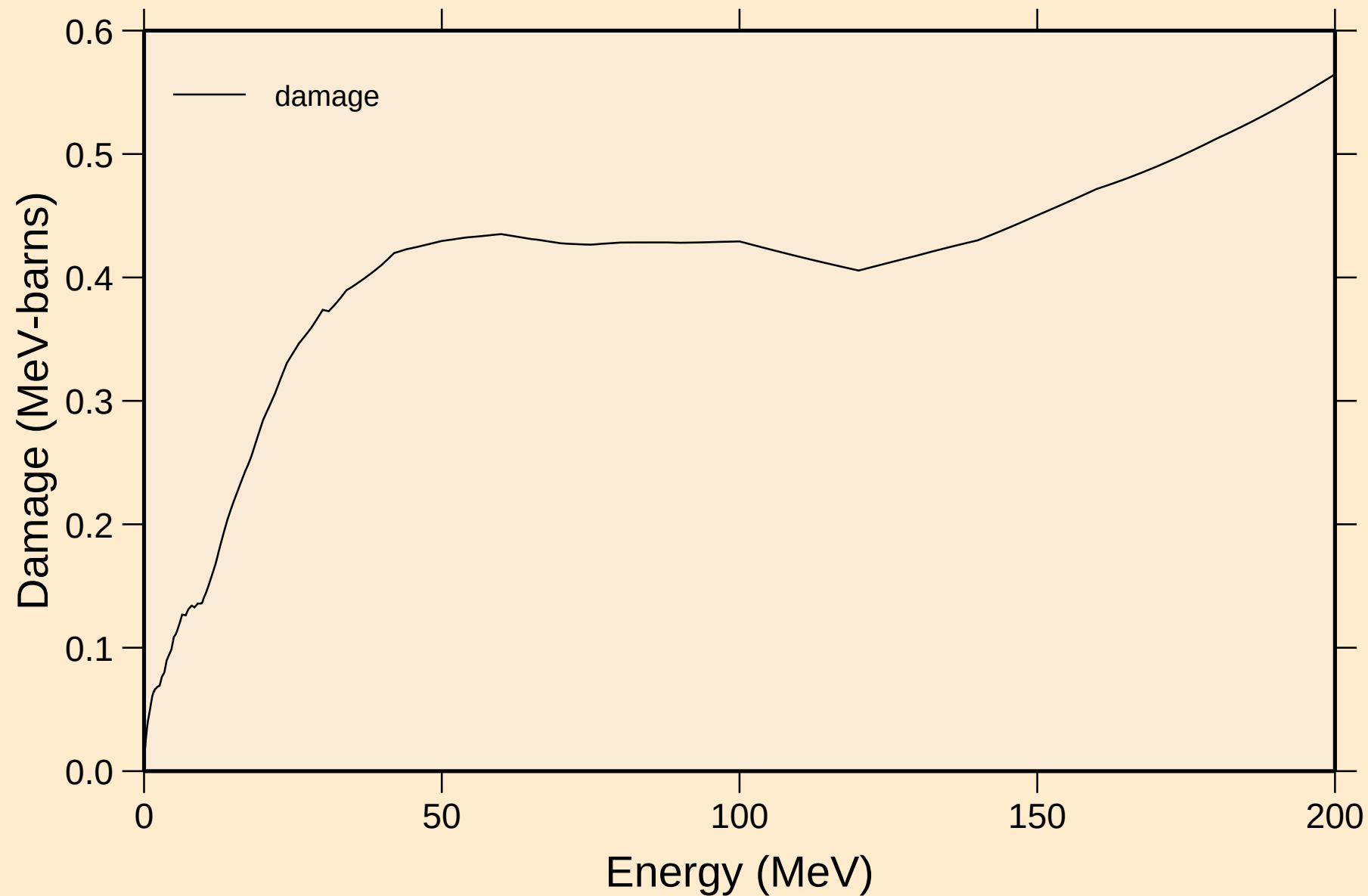
# AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

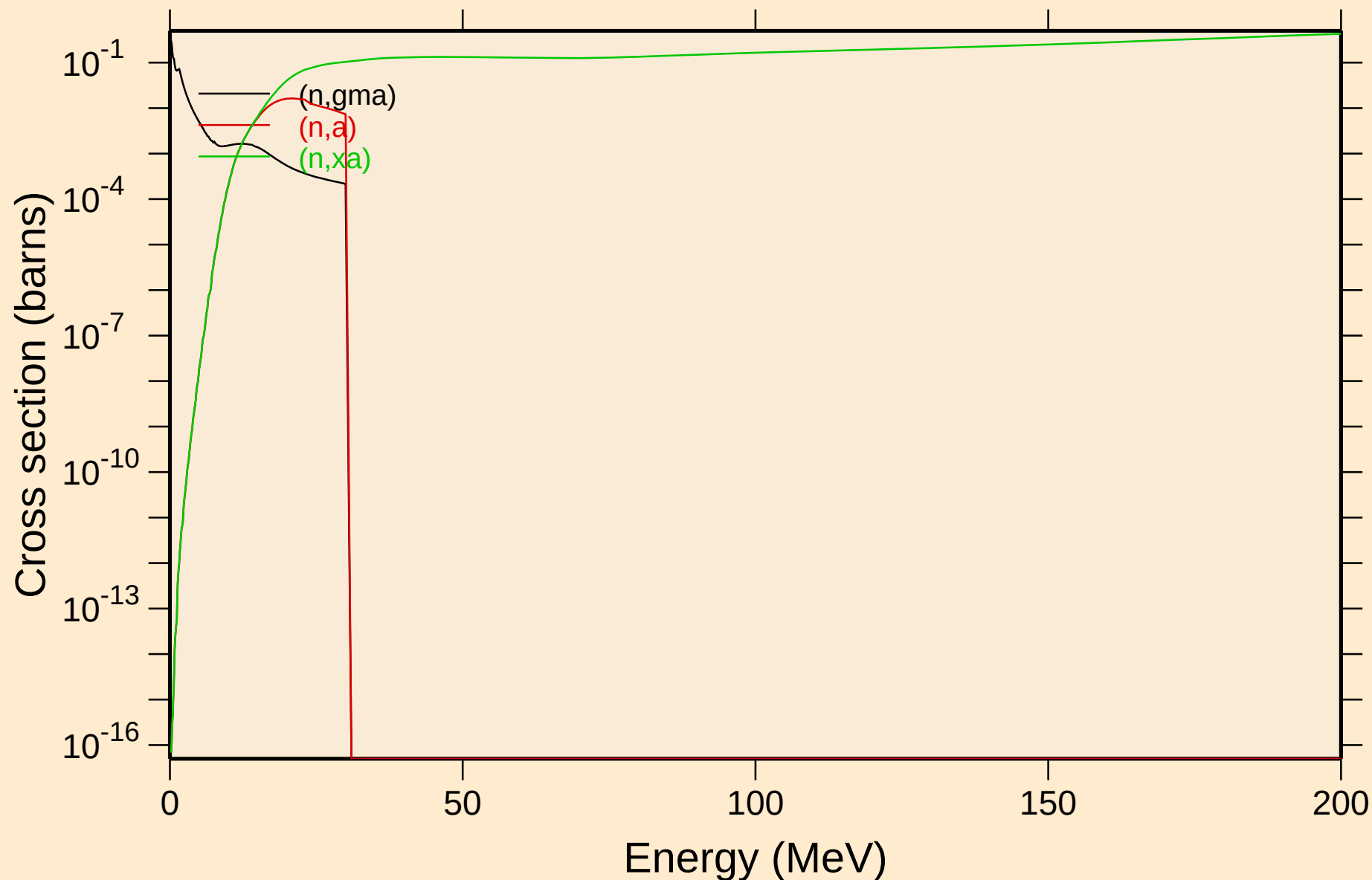




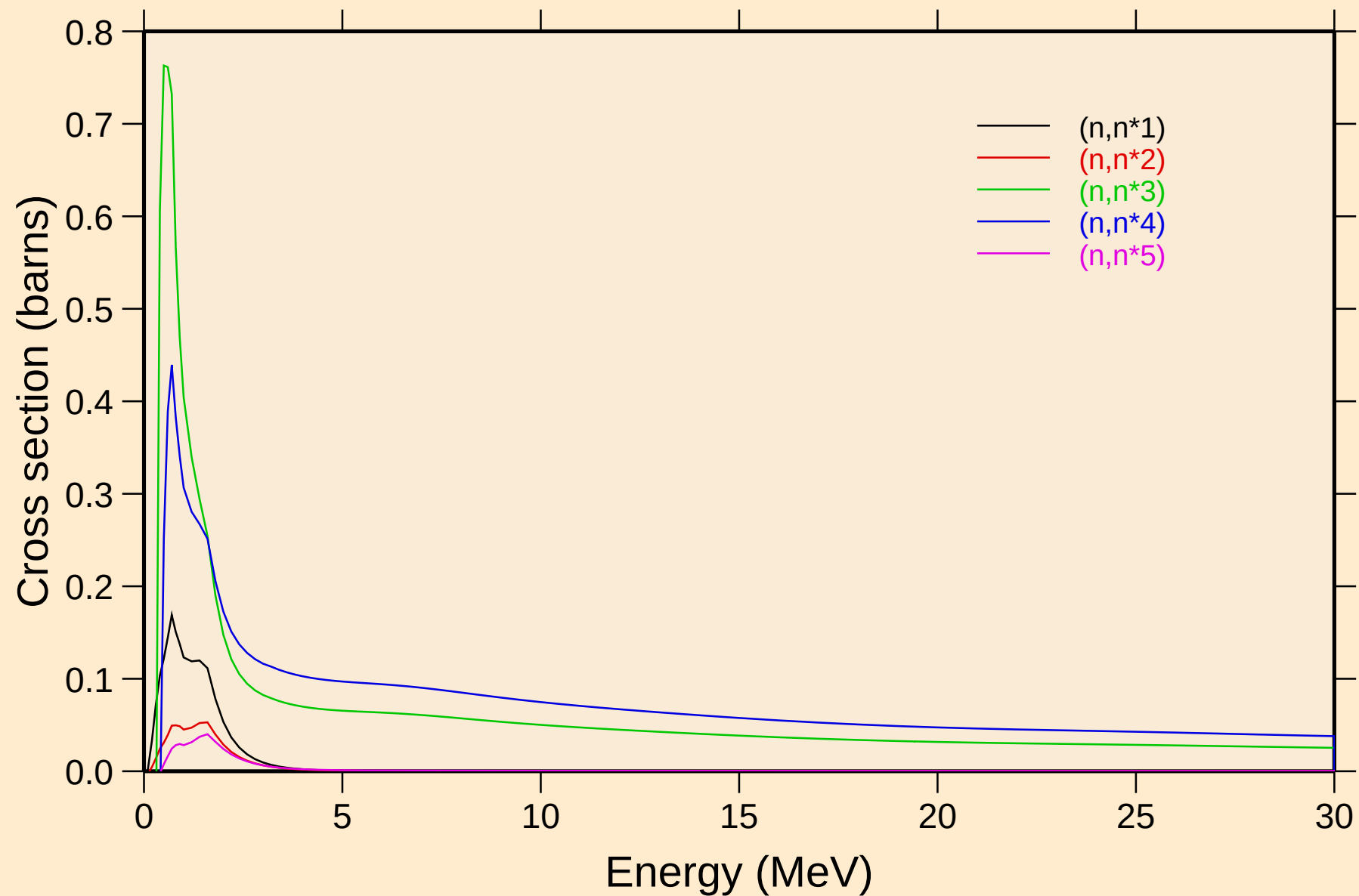
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



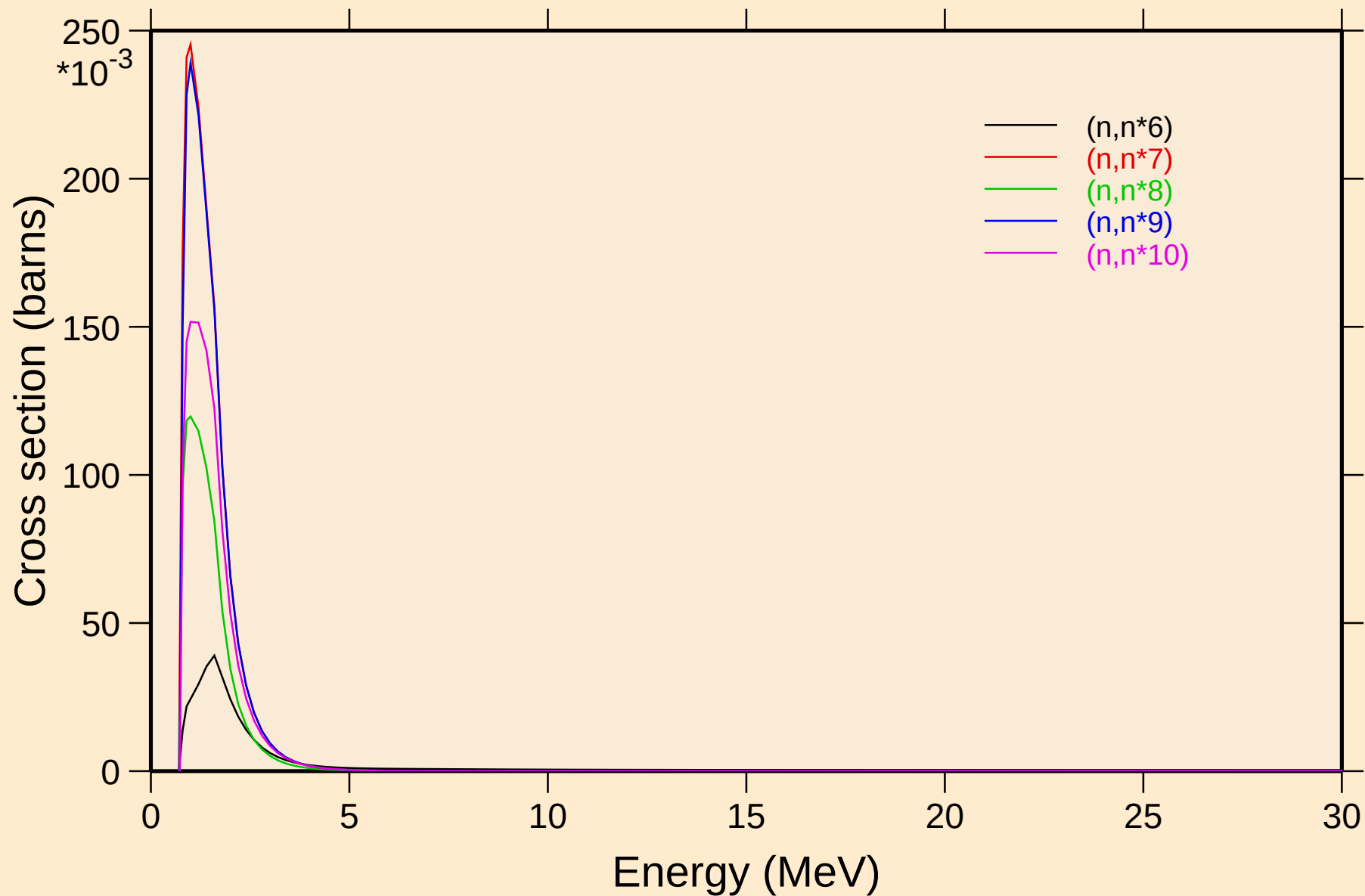
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



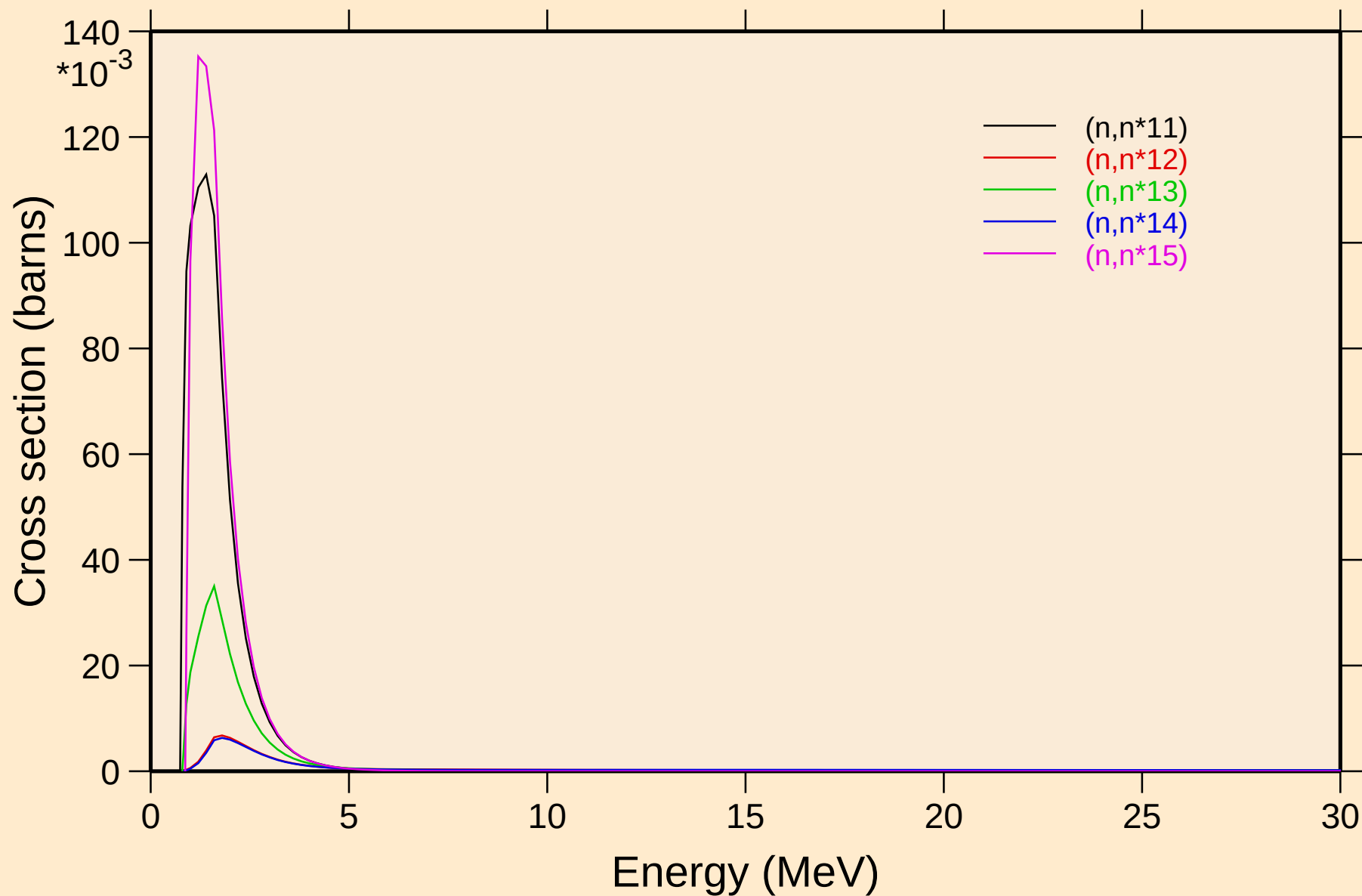
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



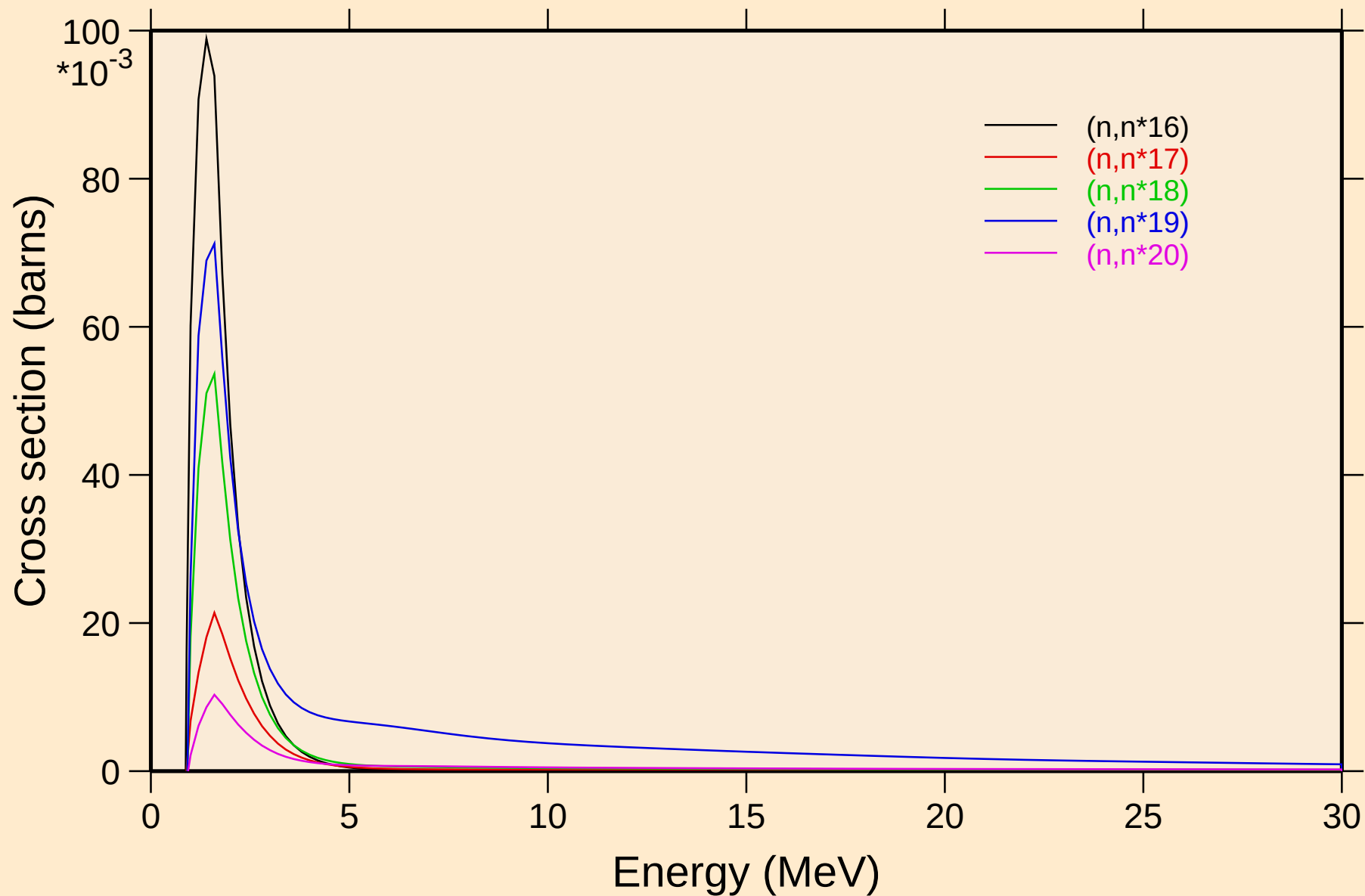
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



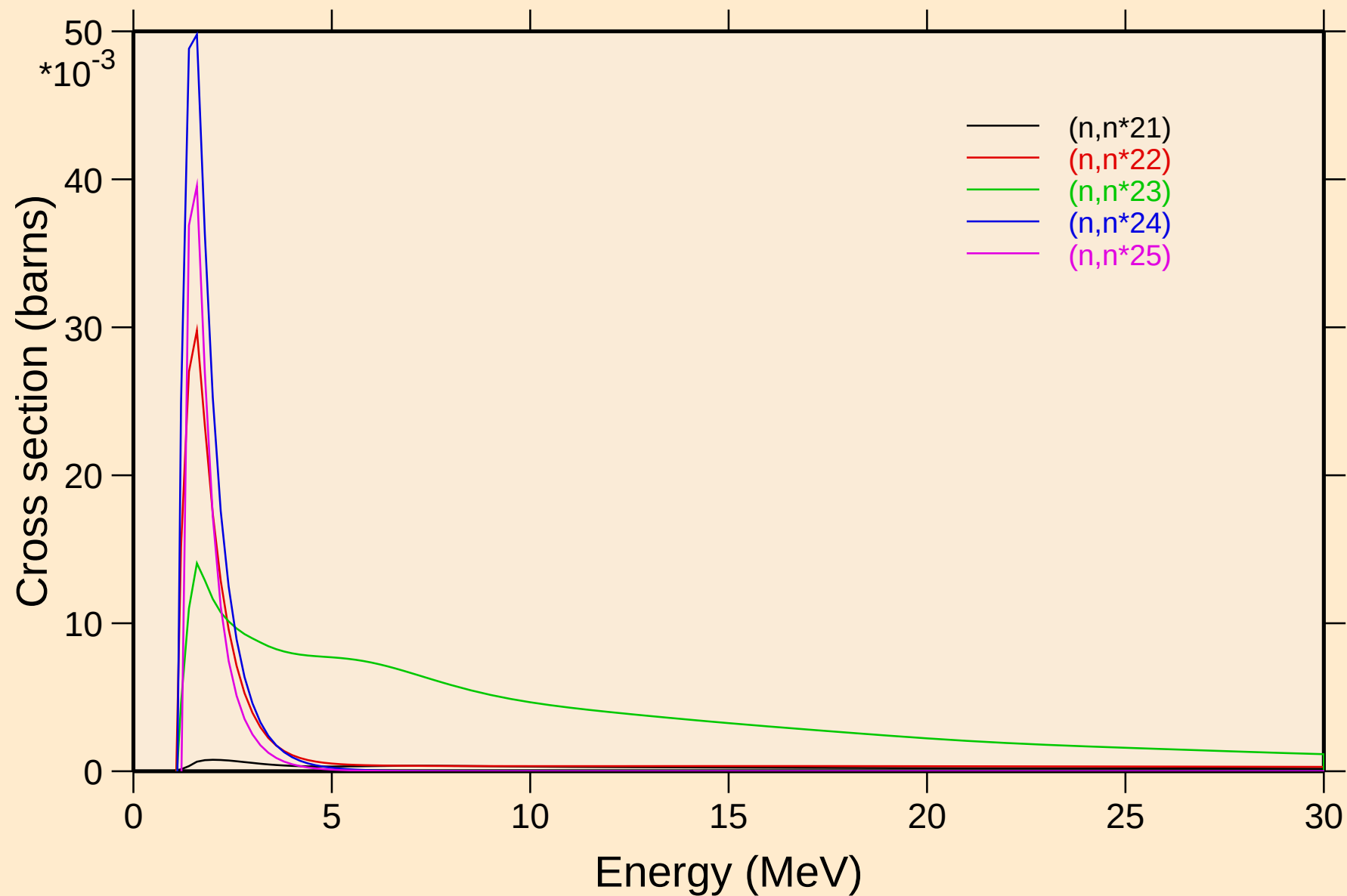
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

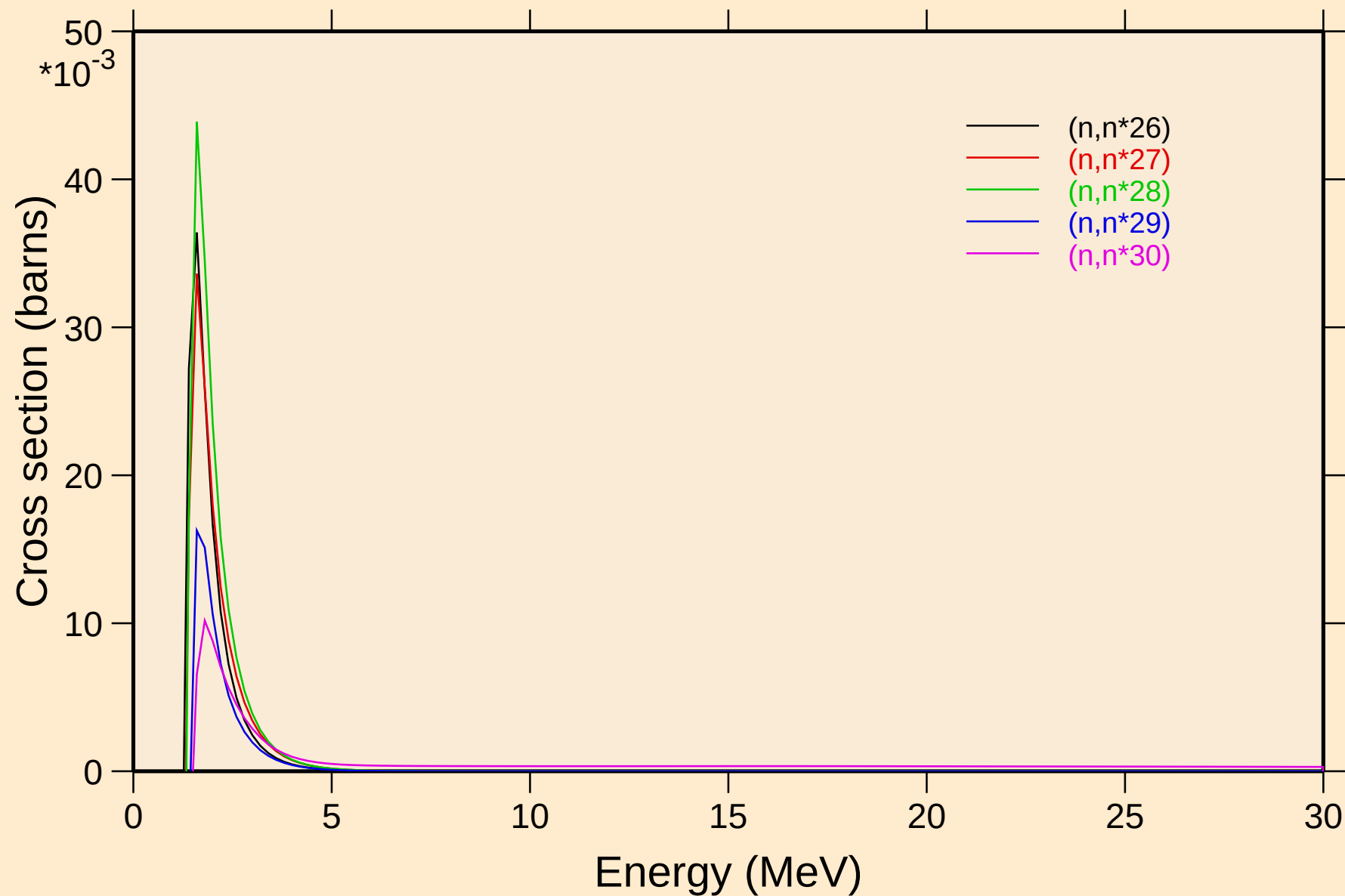


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



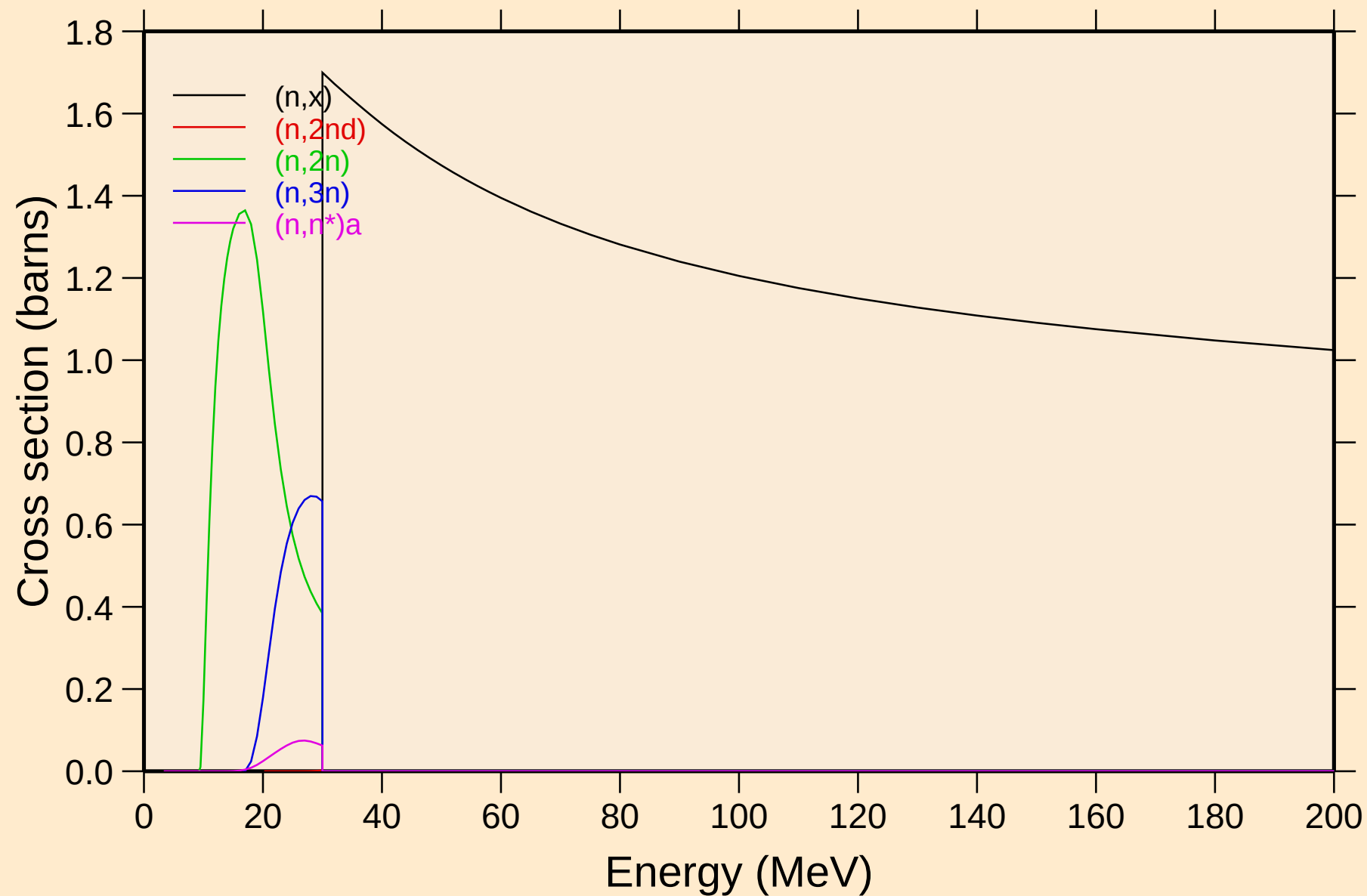
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## Inelastic levels

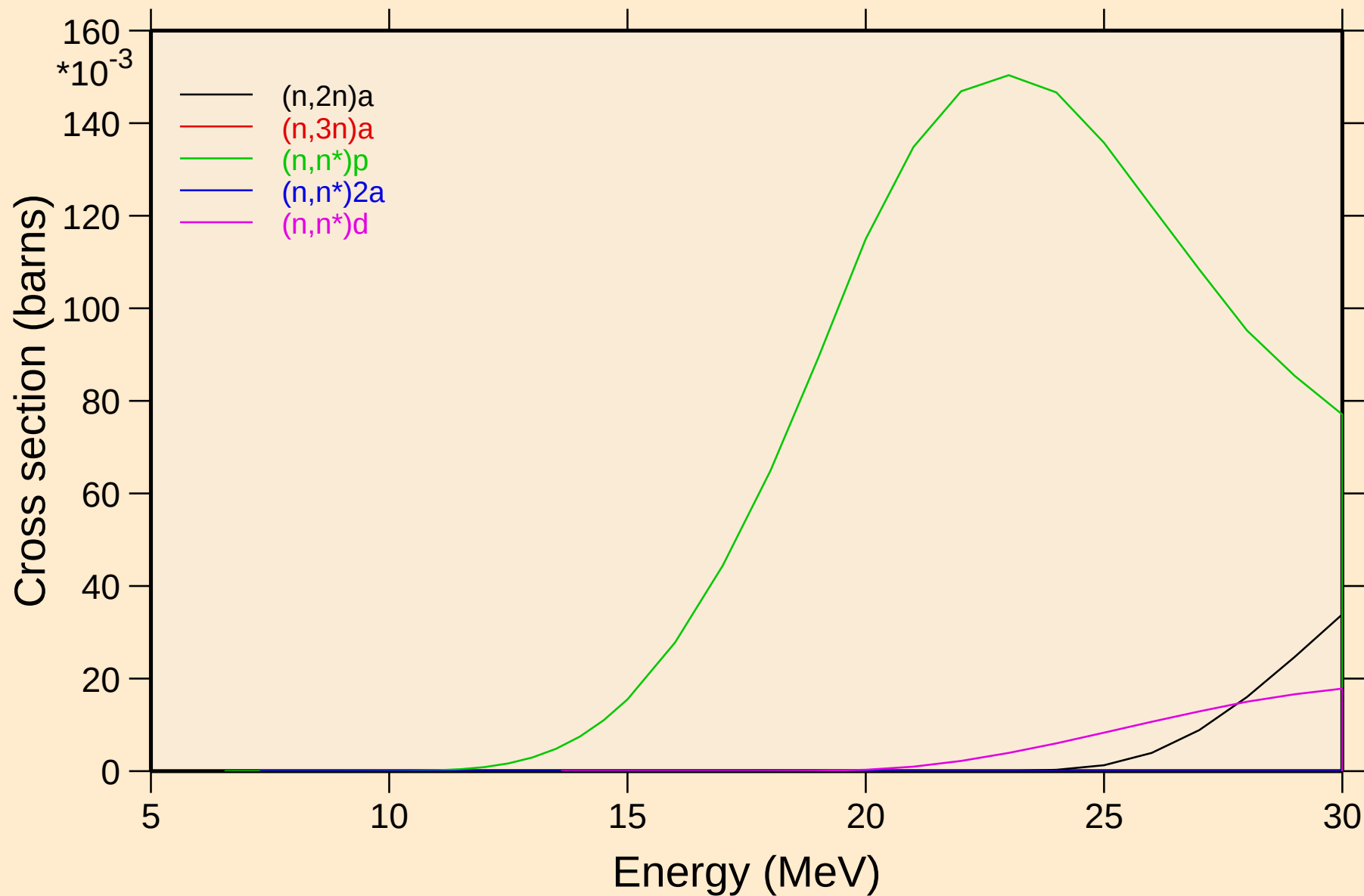




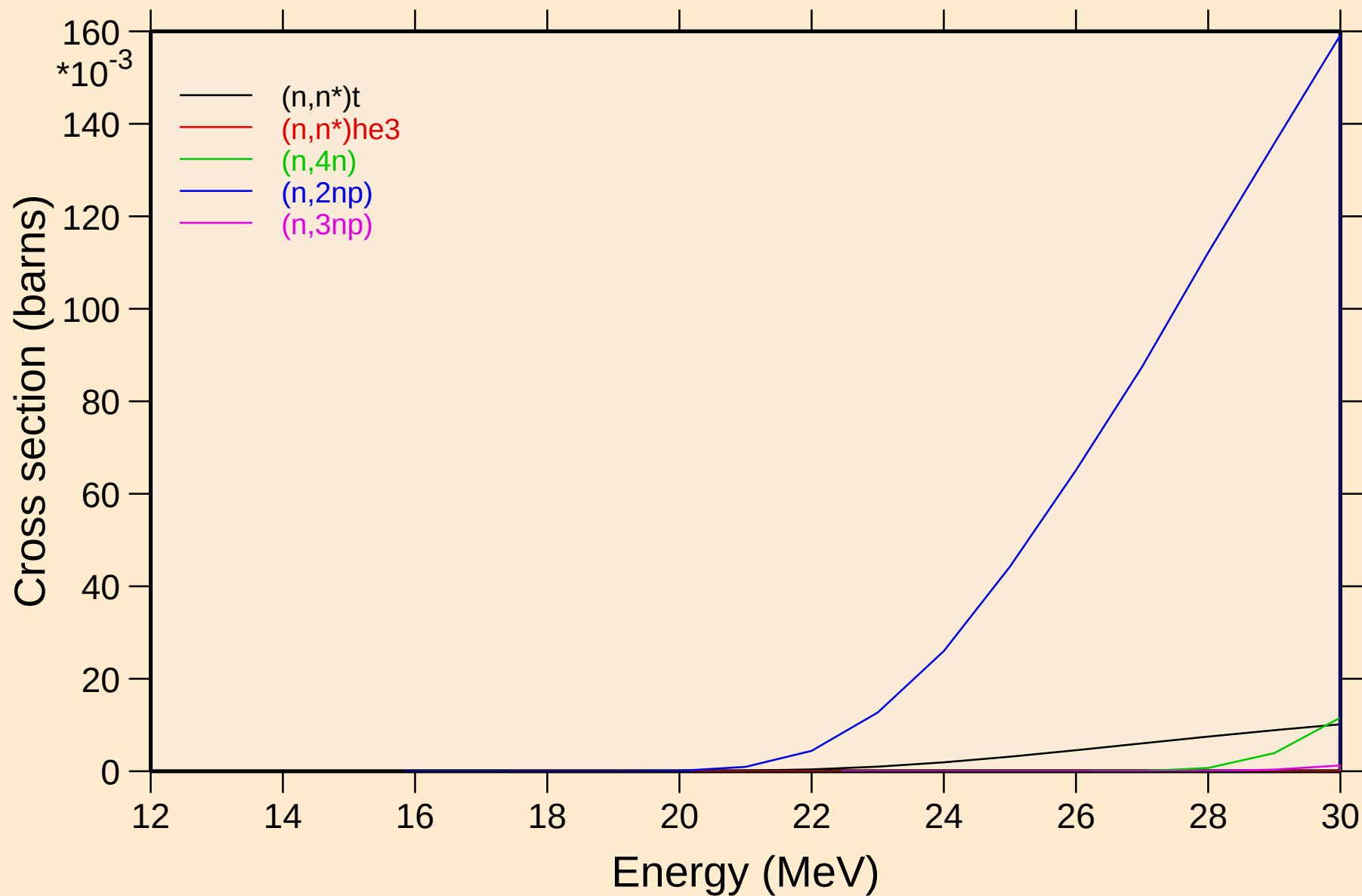
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



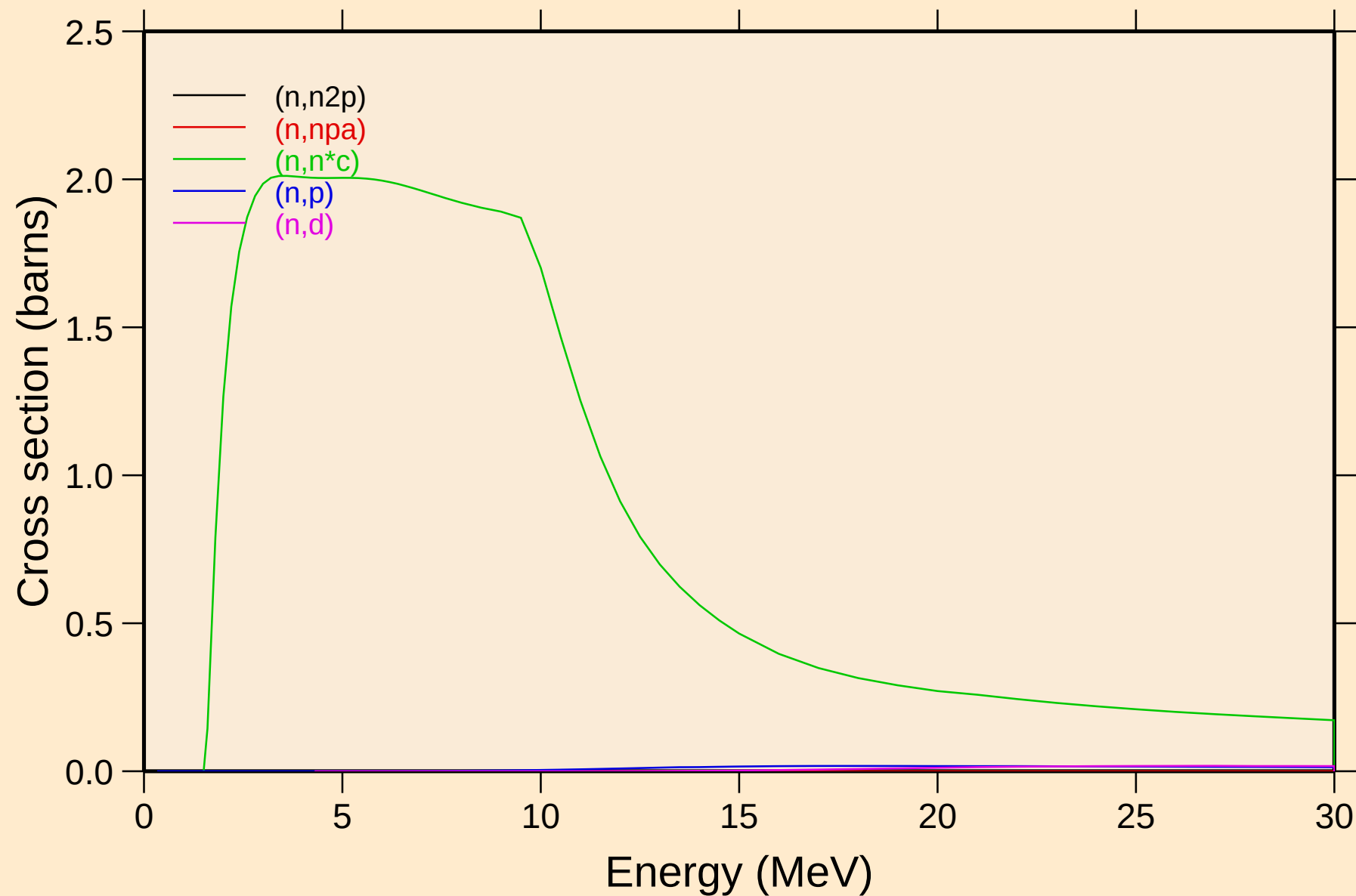
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



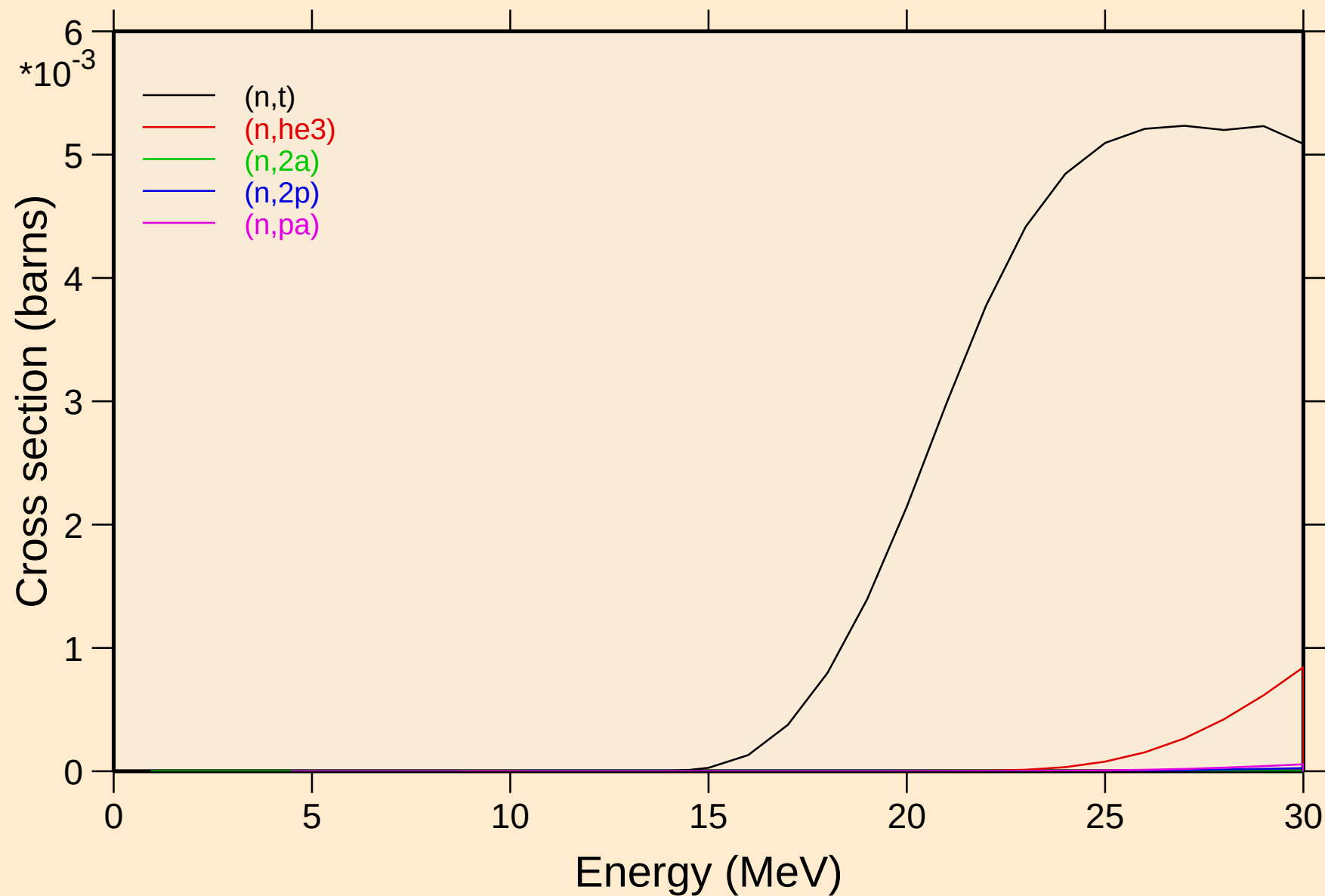
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



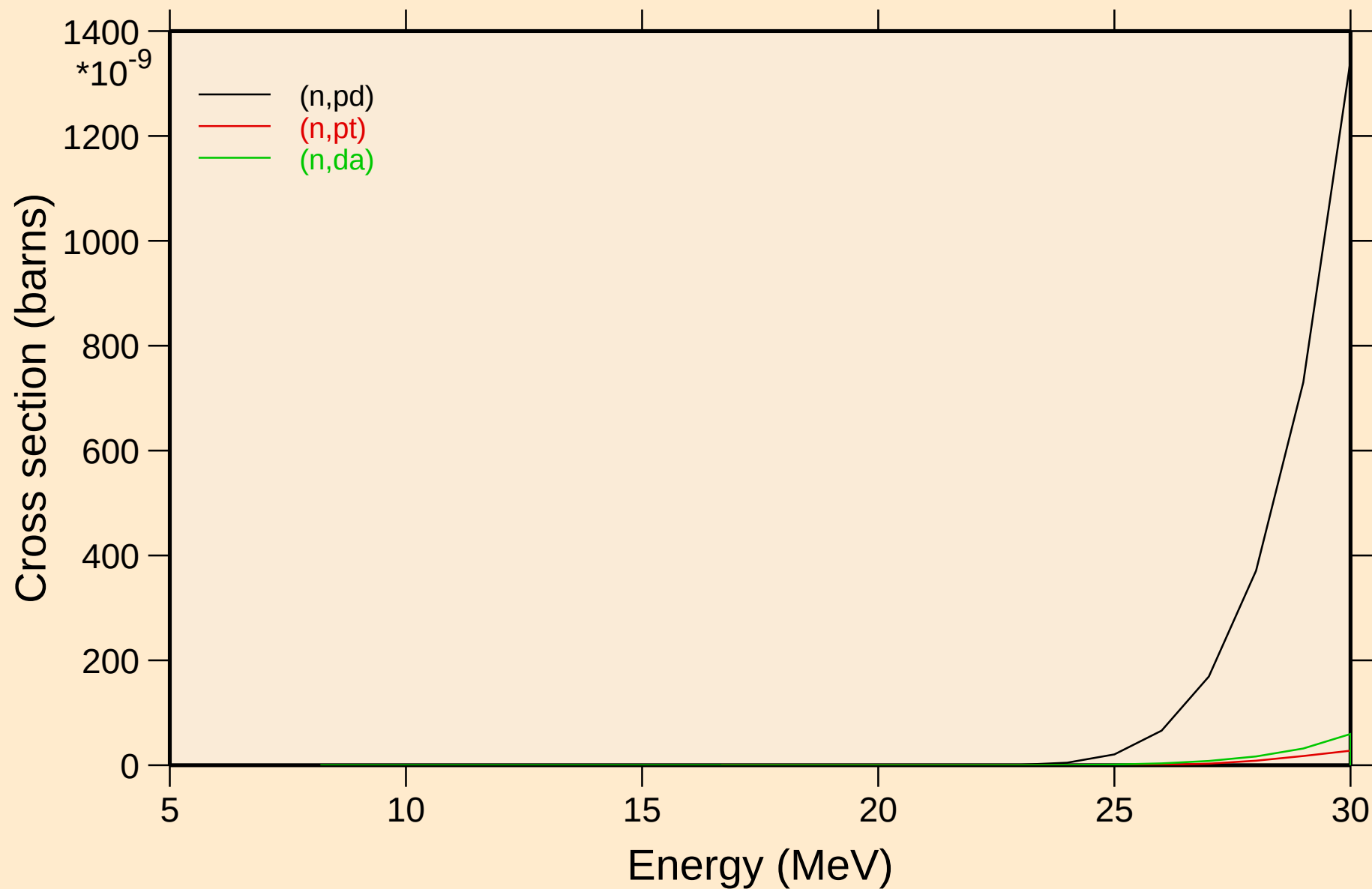
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



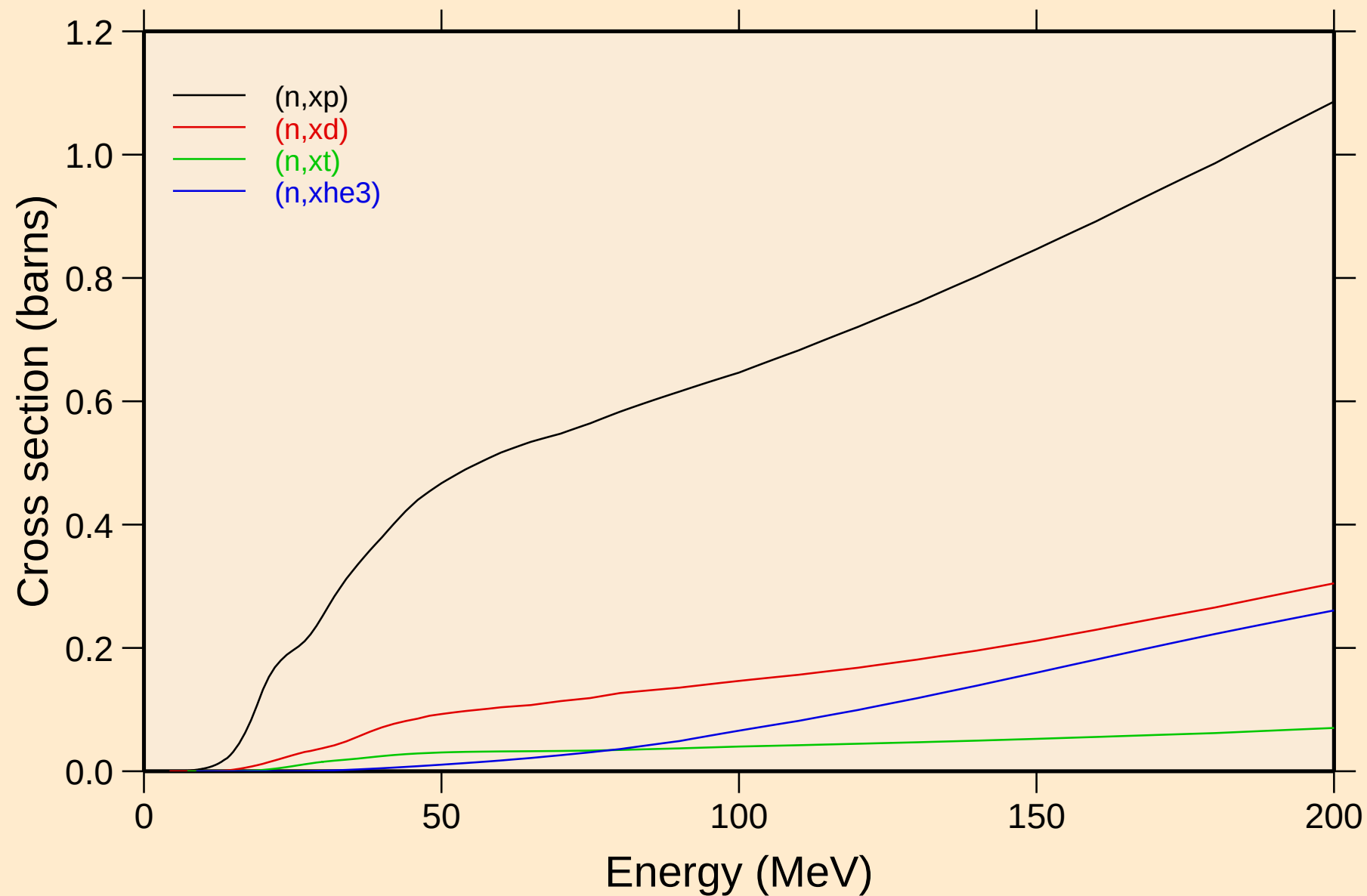
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



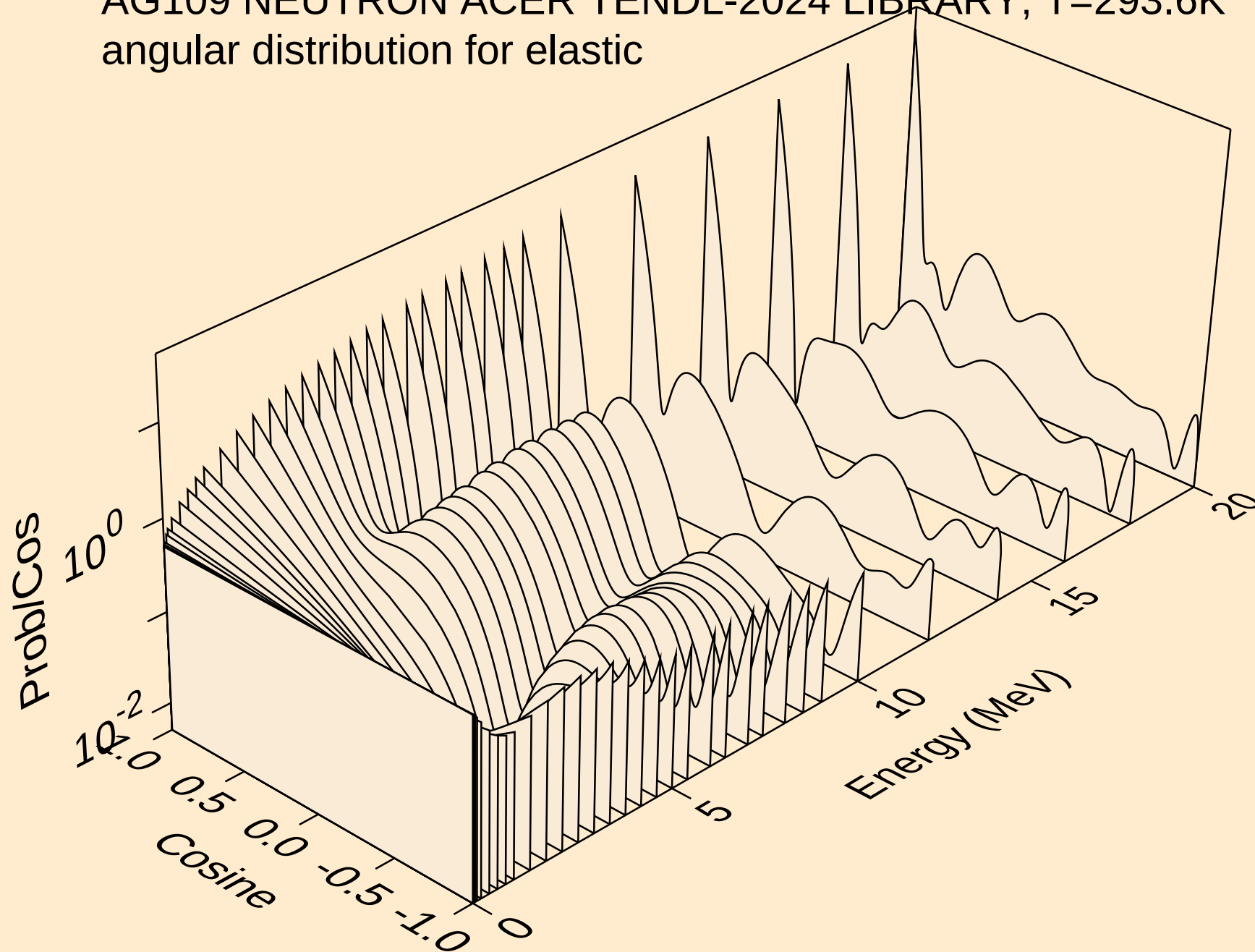
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

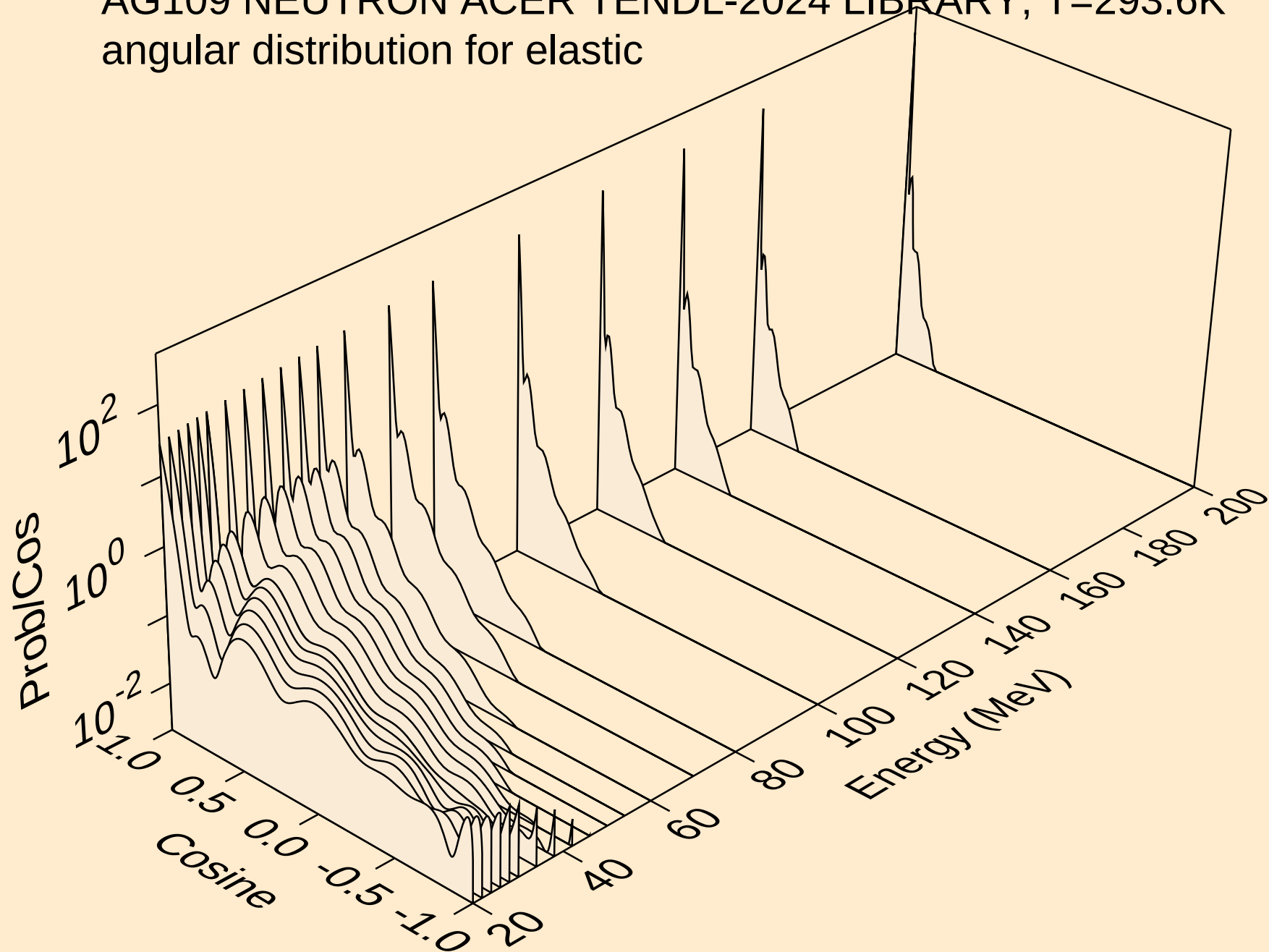


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic

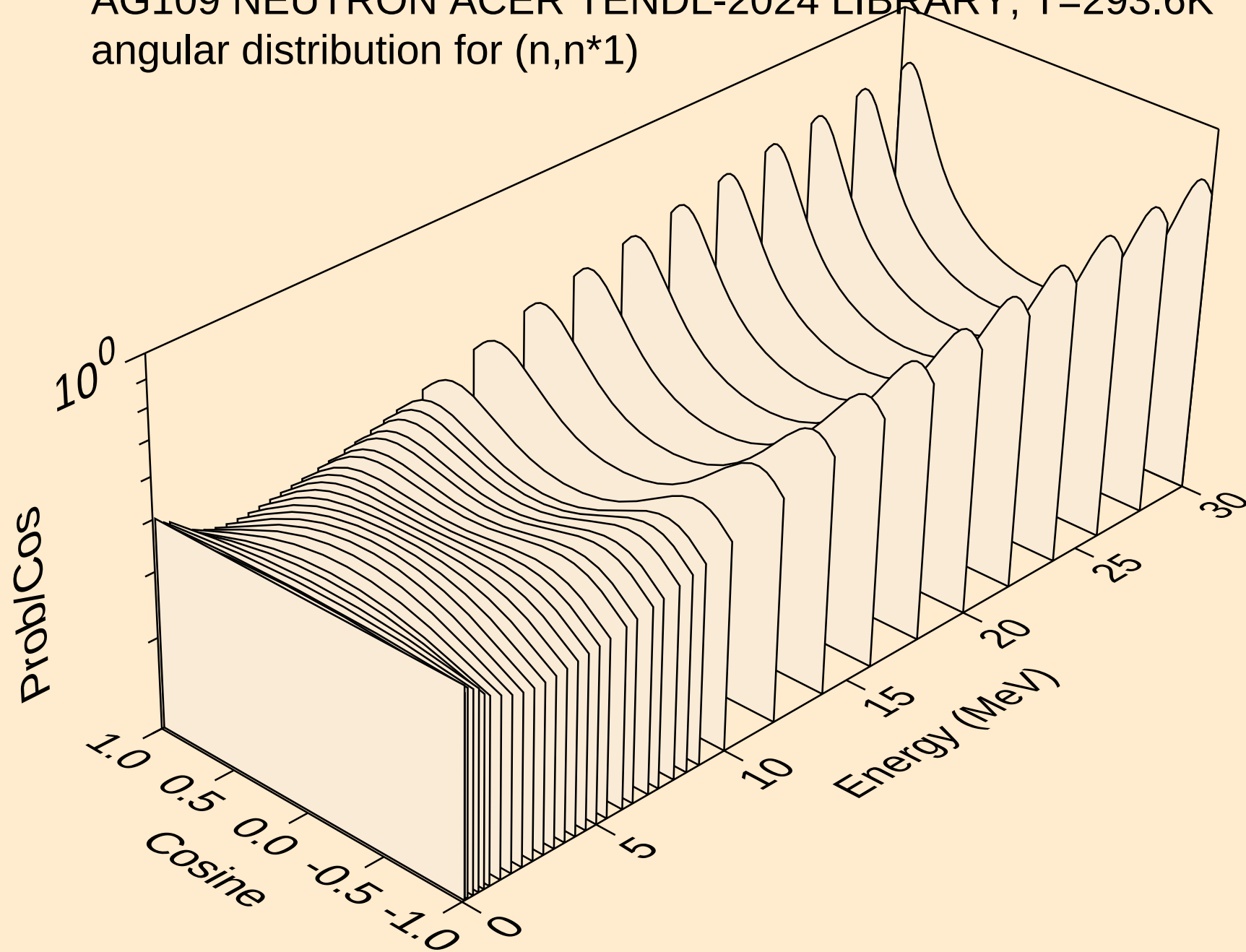




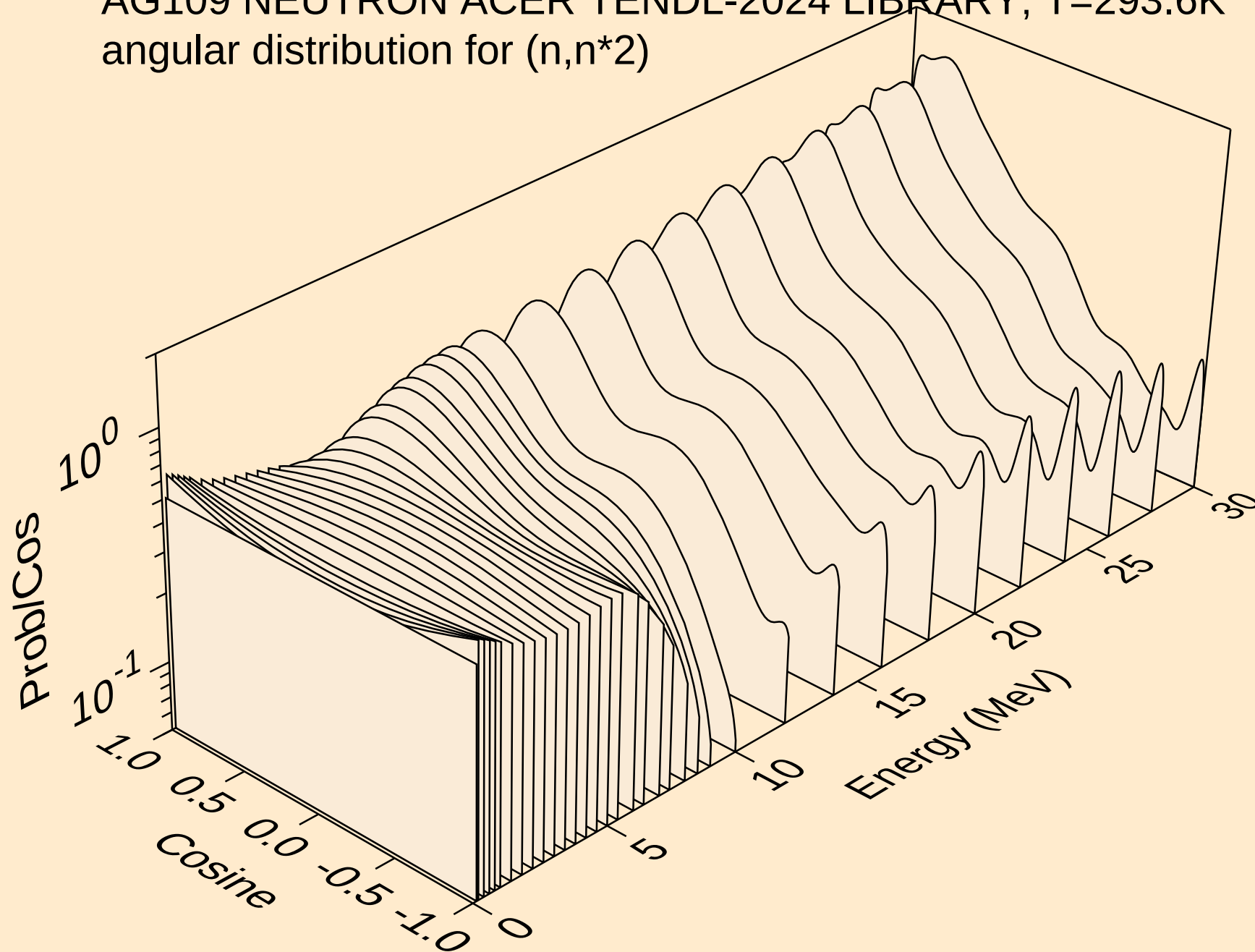
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



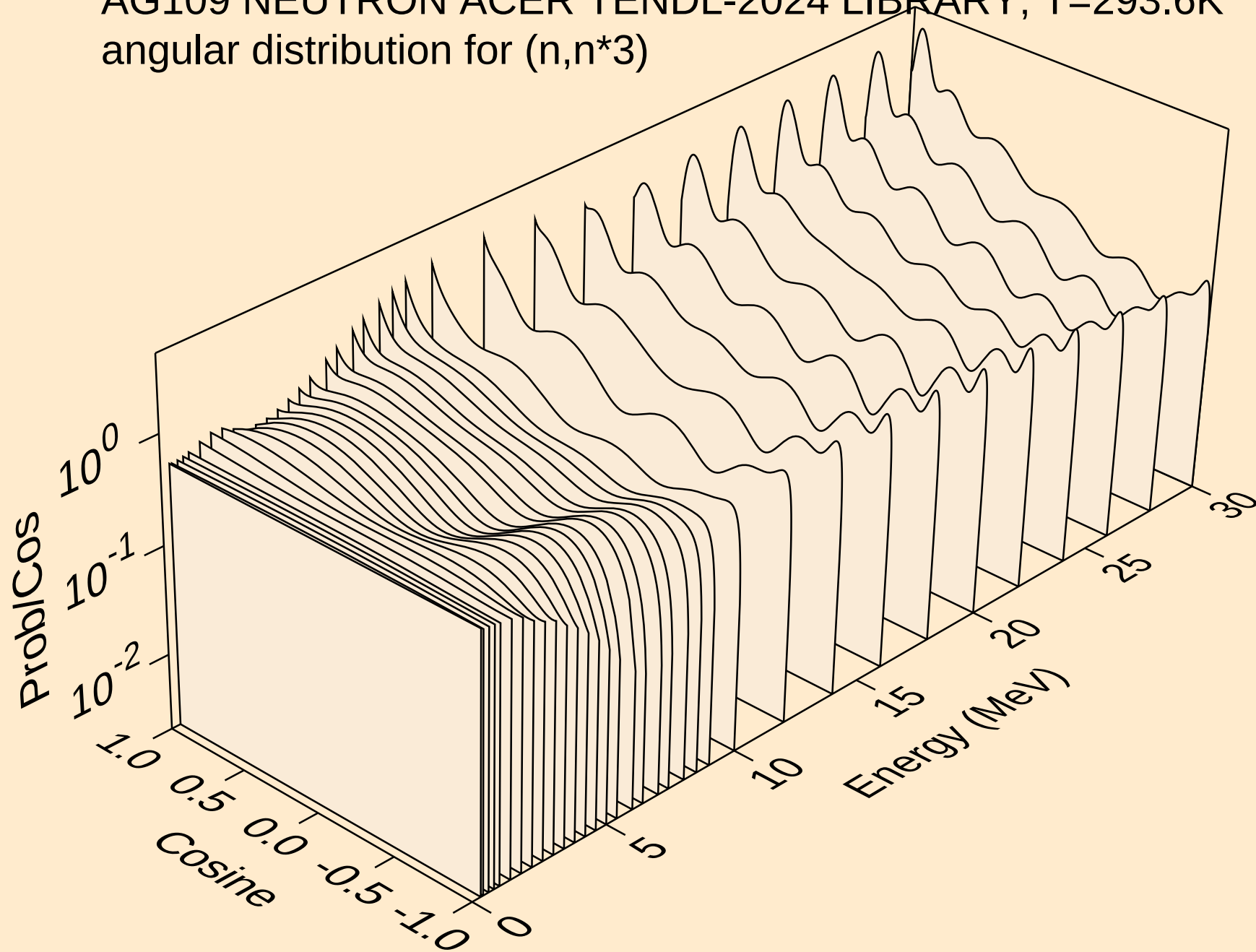
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angular distribution for (n,n\*1)



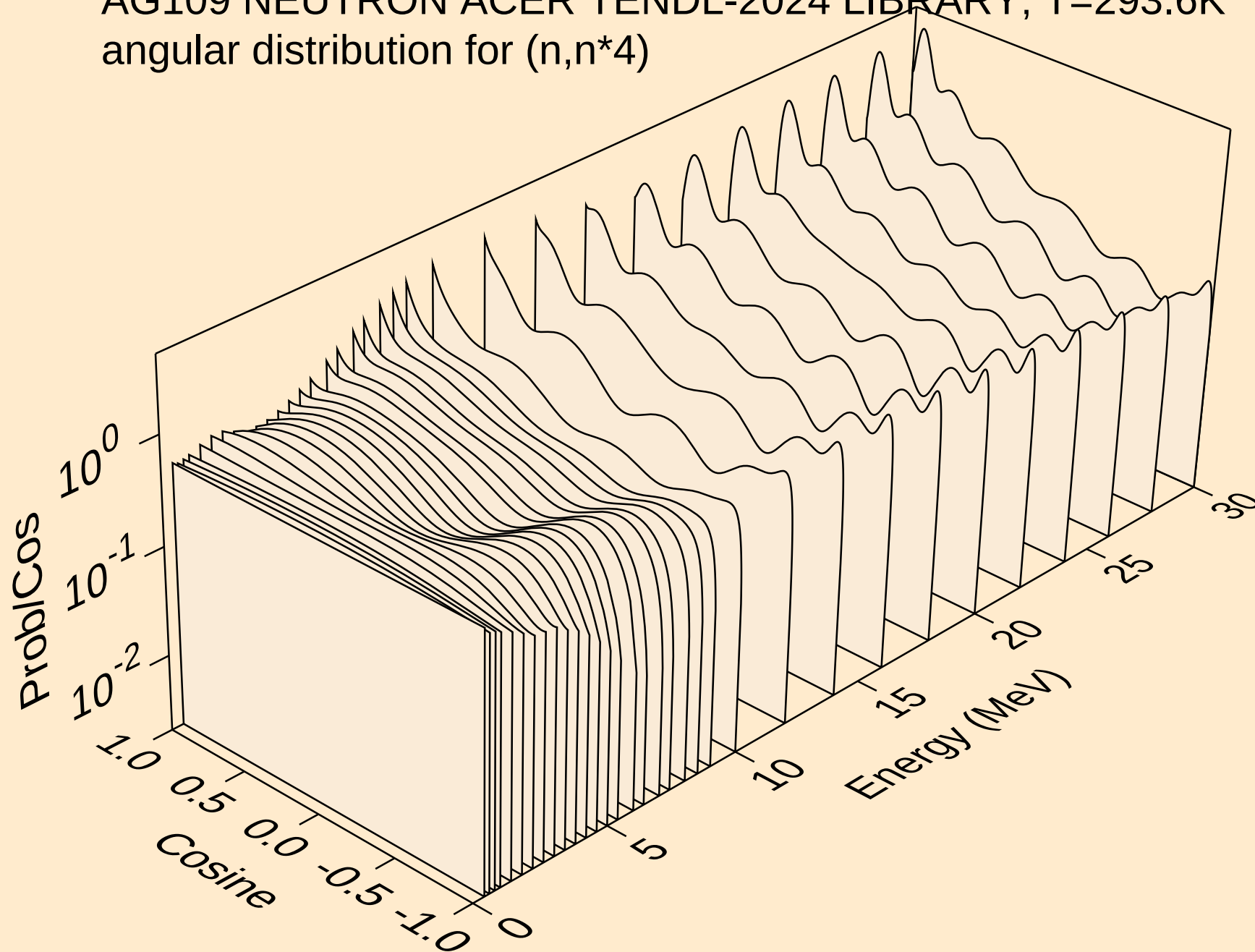
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angular distribution for (n,n\*2)



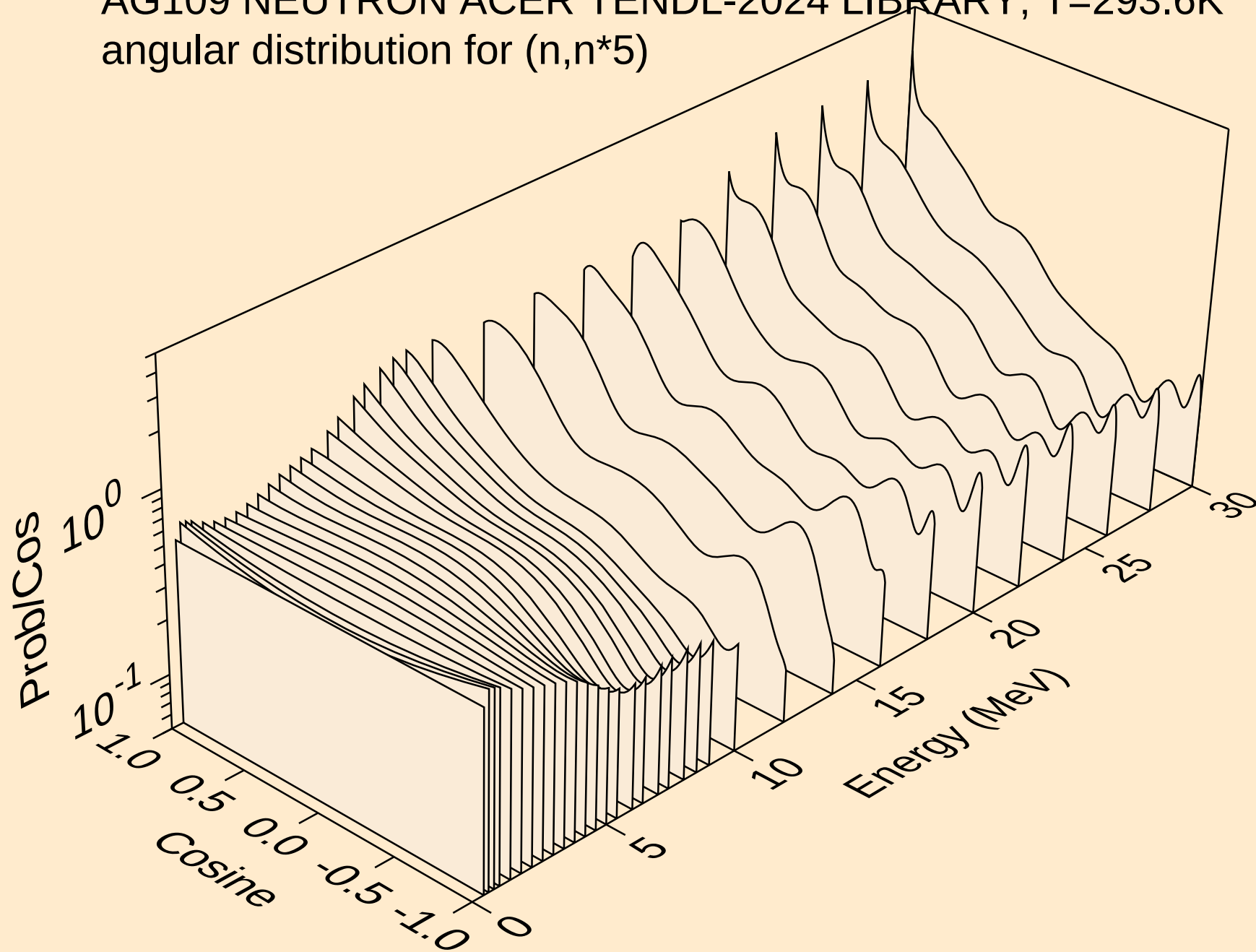
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angular distribution for (n,n\*3)



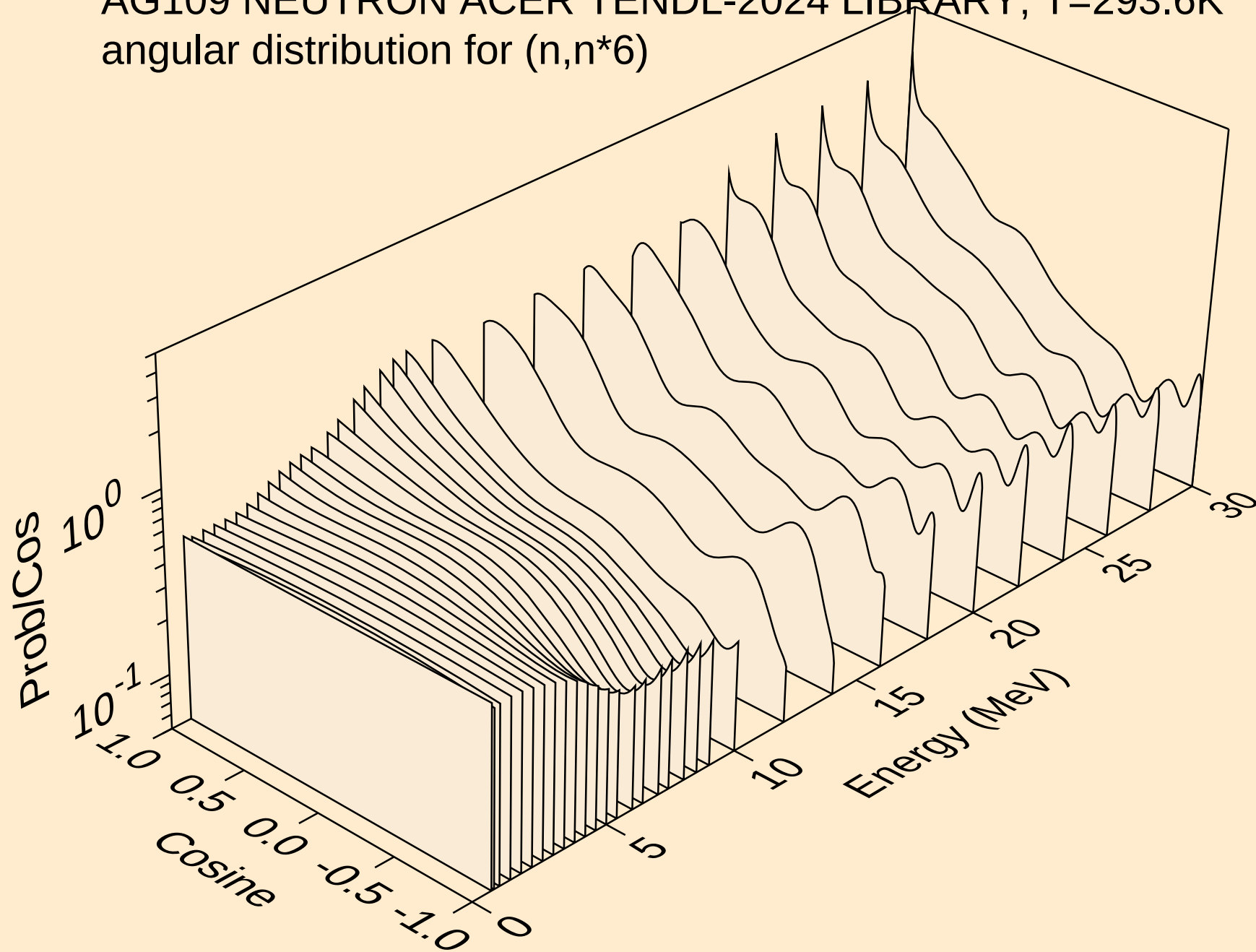
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angular distribution for (n,n\*4)



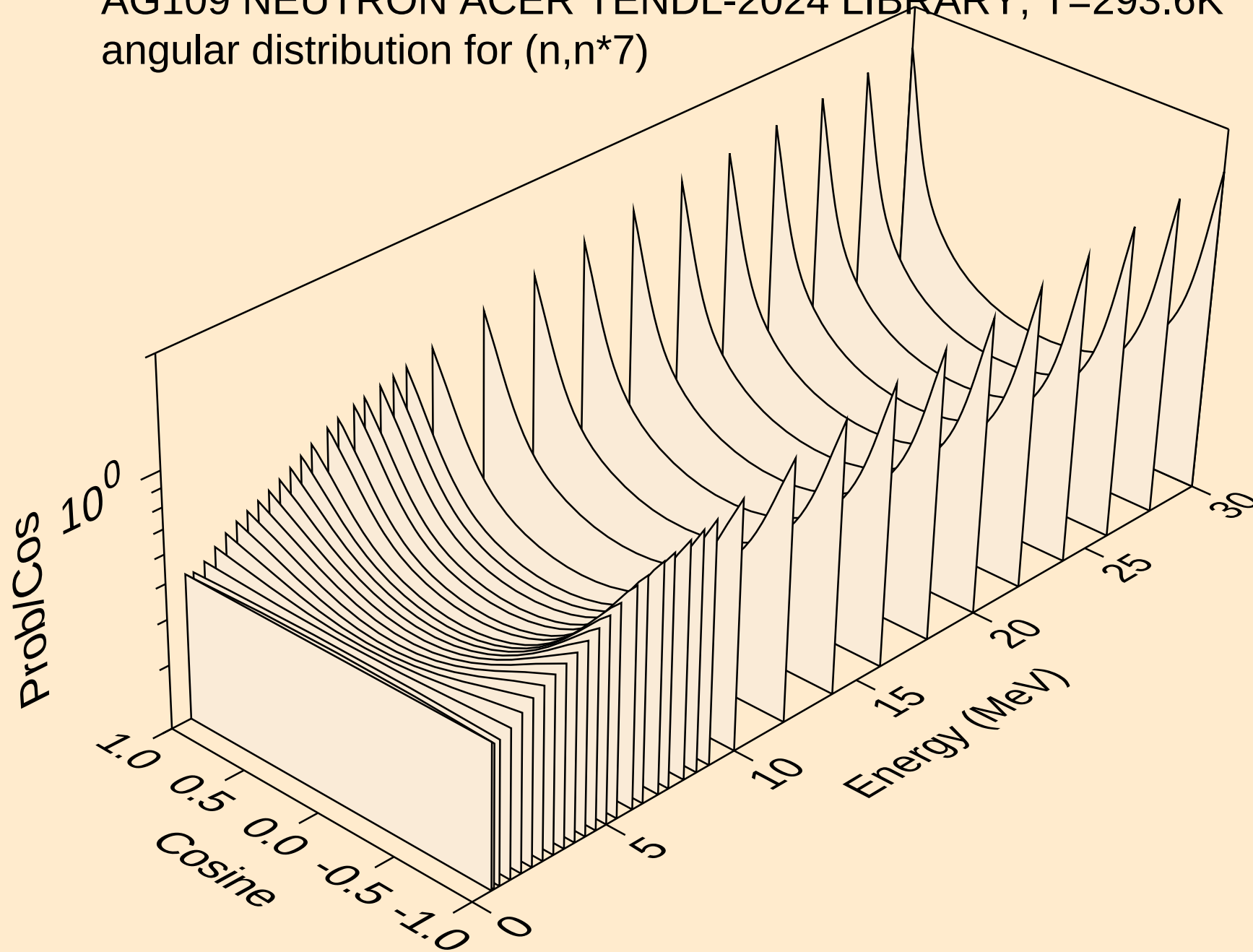
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

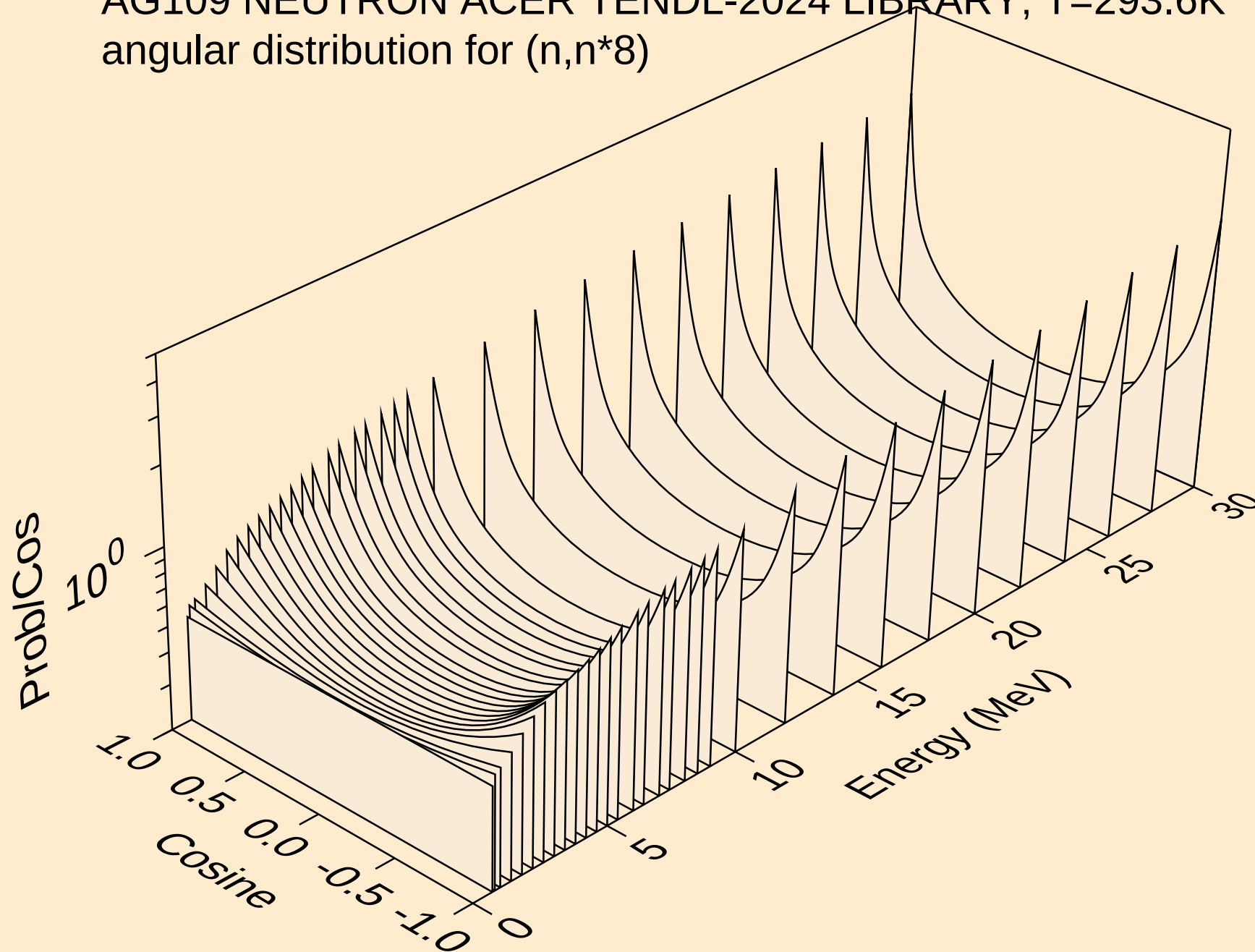


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

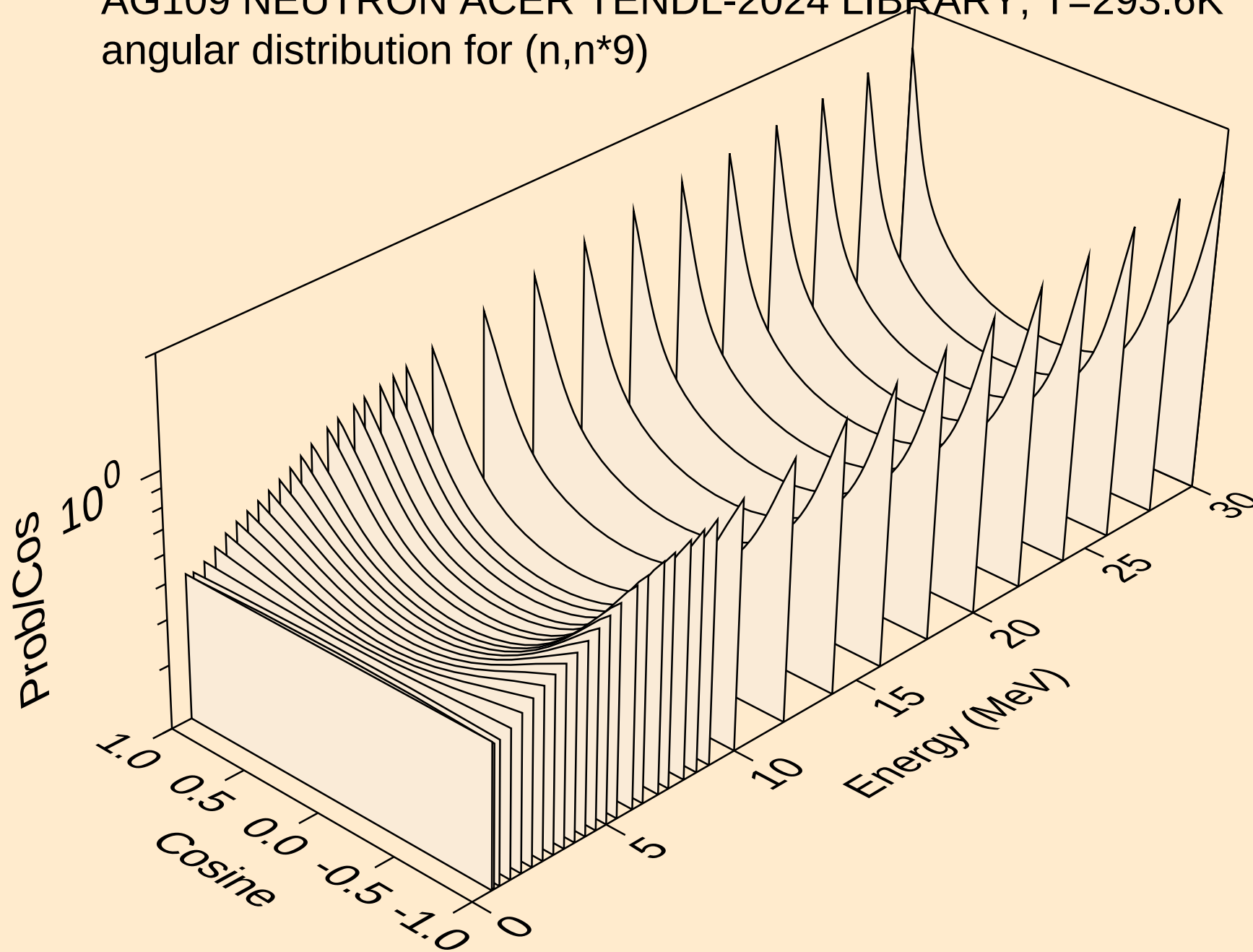




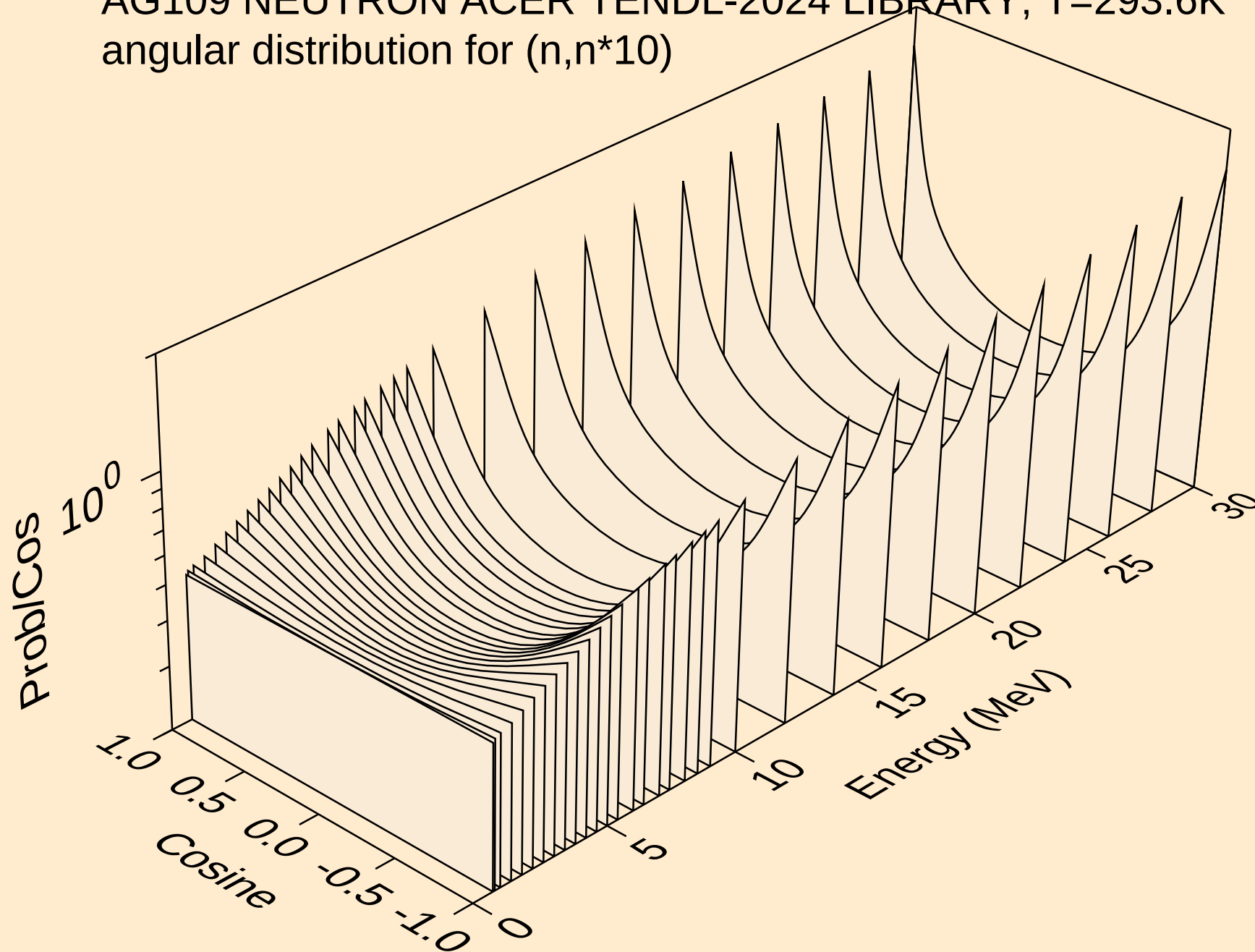
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angular distribution for (n,n\*8)



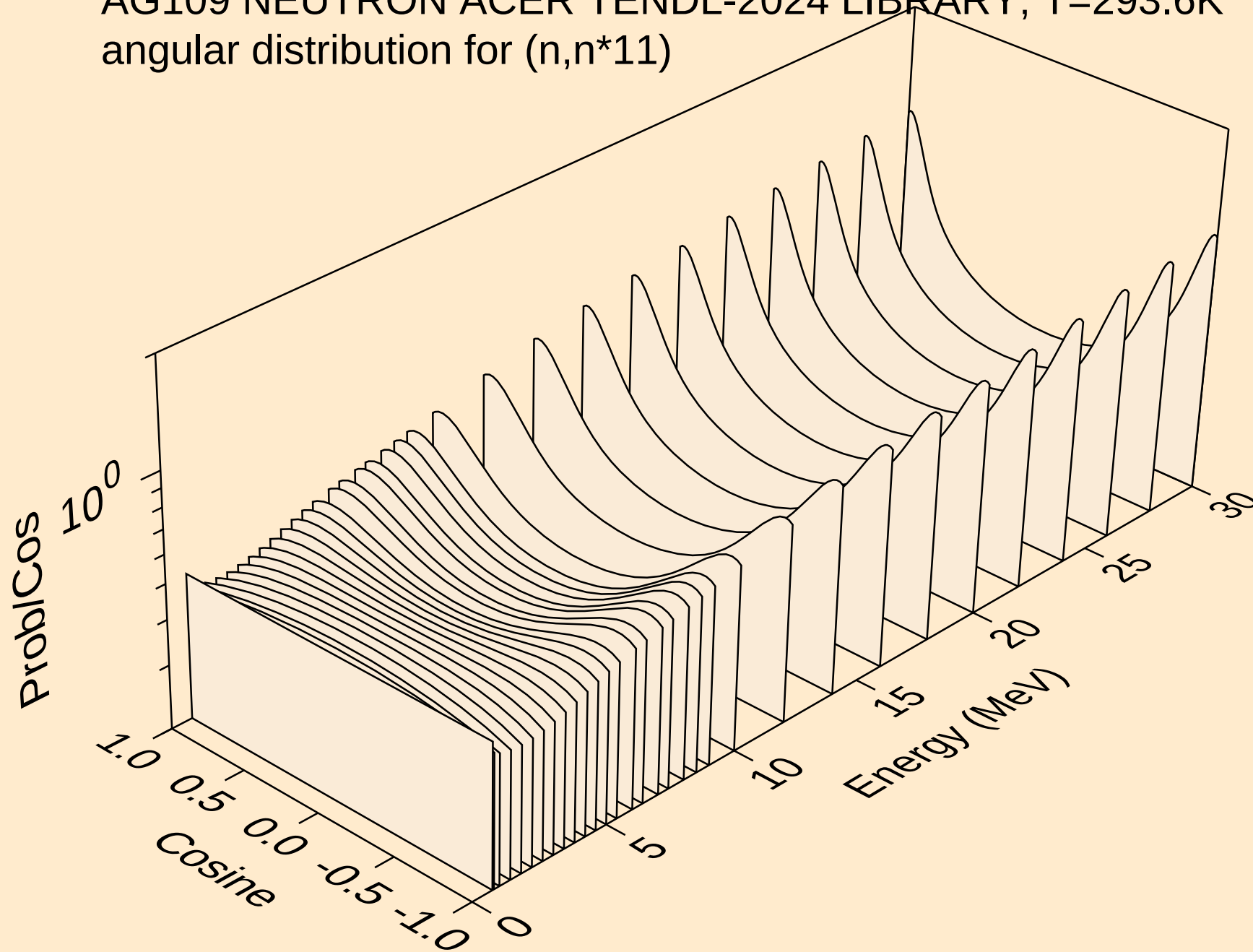
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angular distribution for (n,n\*9)



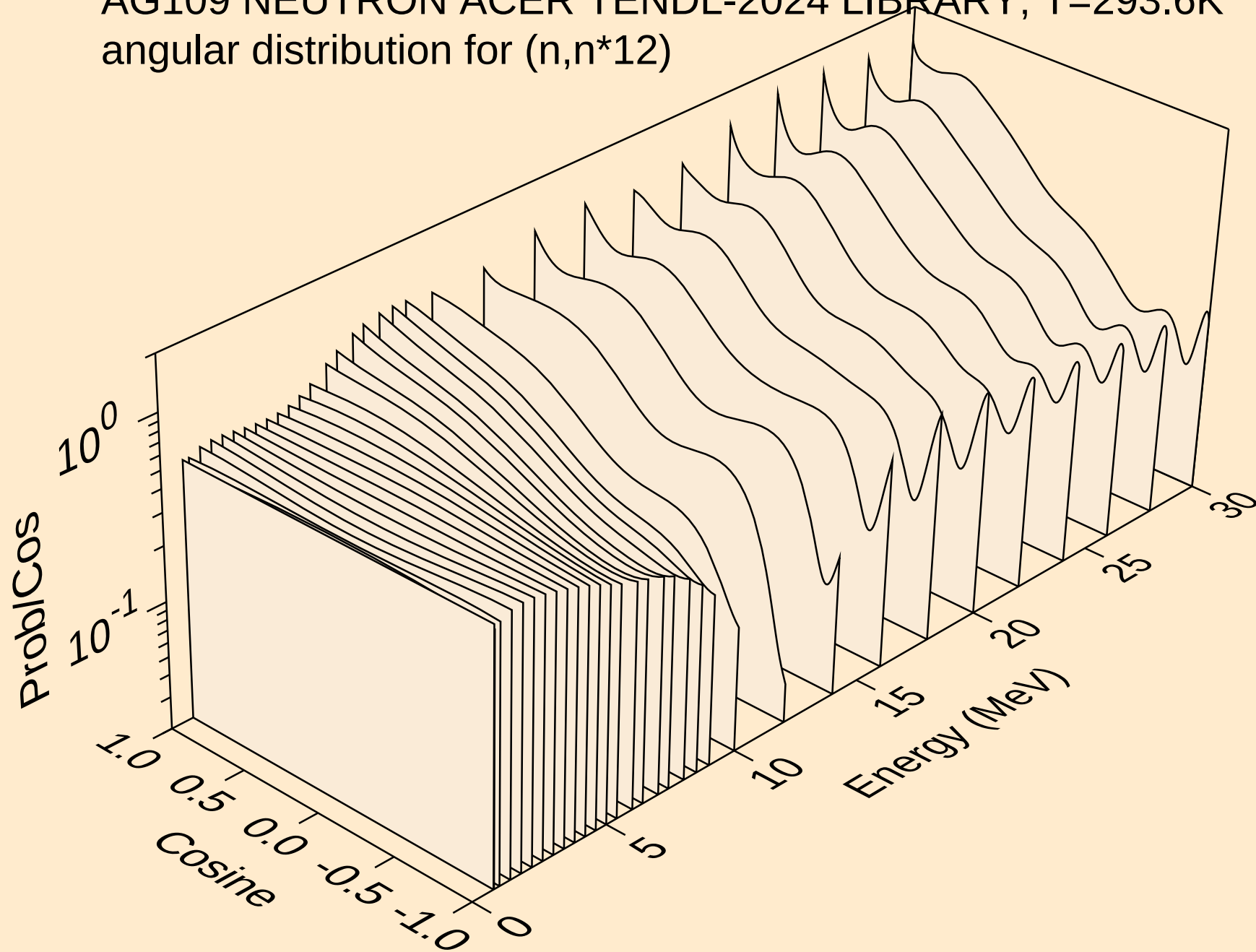
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angular distribution for (n,n\*10)



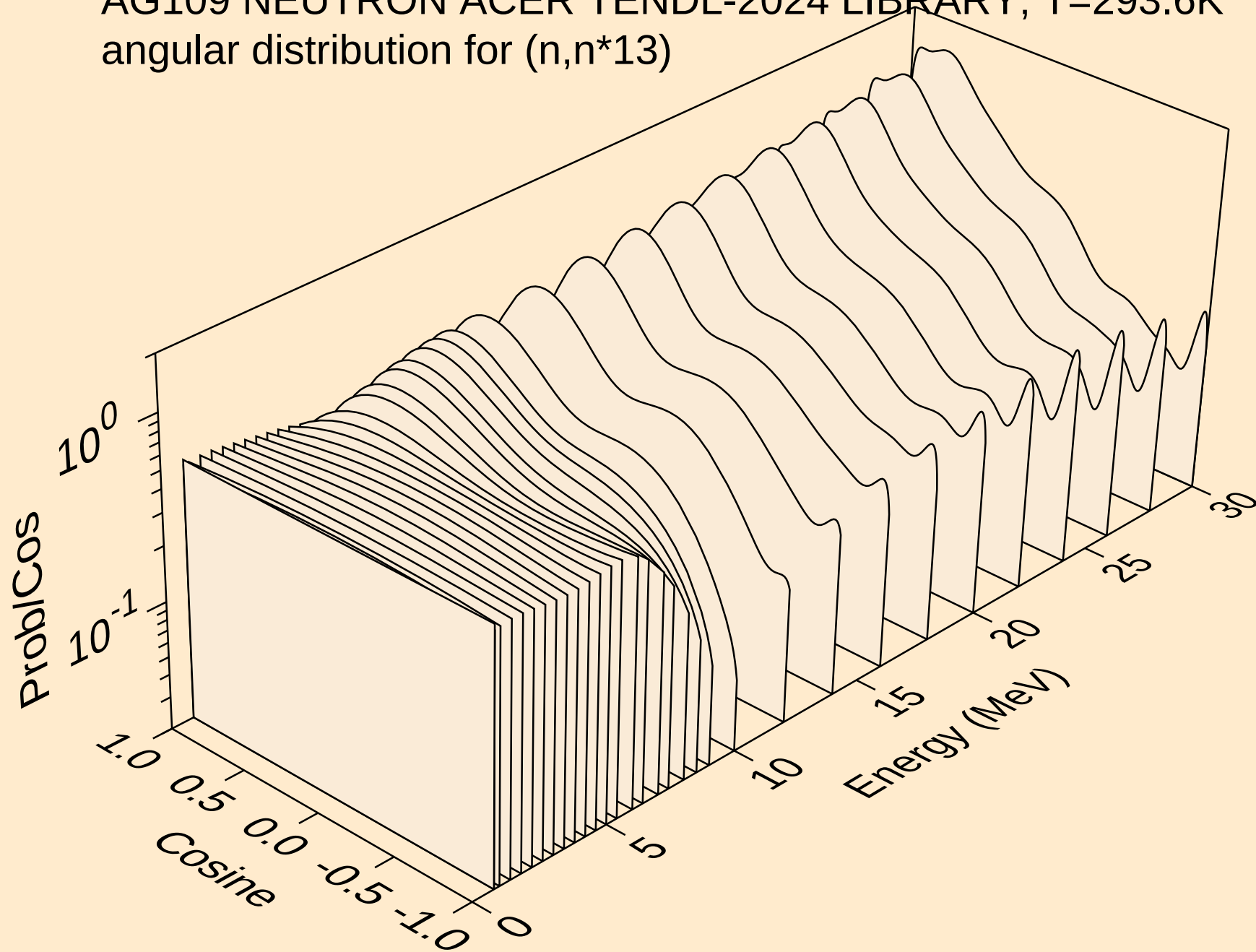
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angular distribution for (n,n\*11)



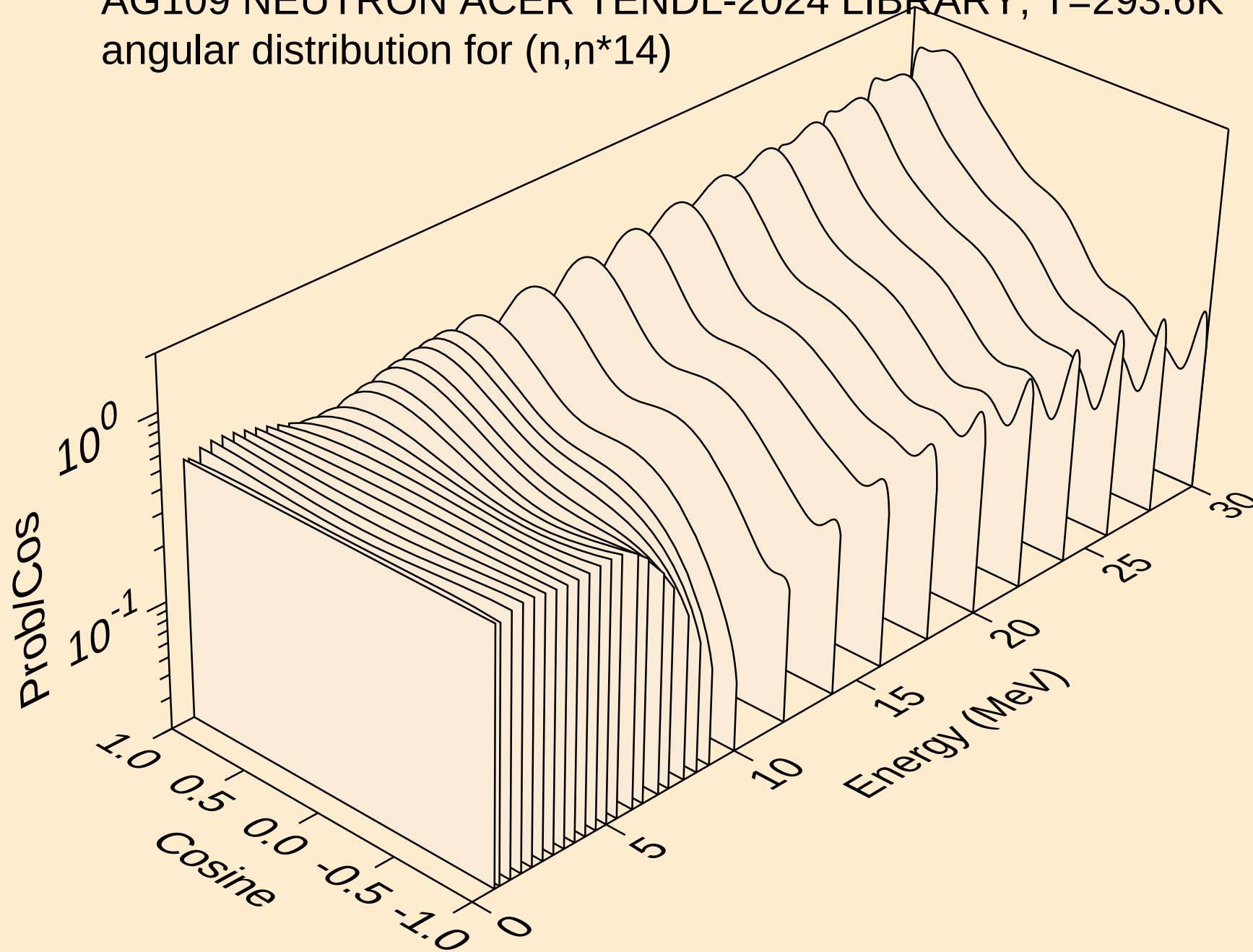
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angular distribution for (n,n\*12)



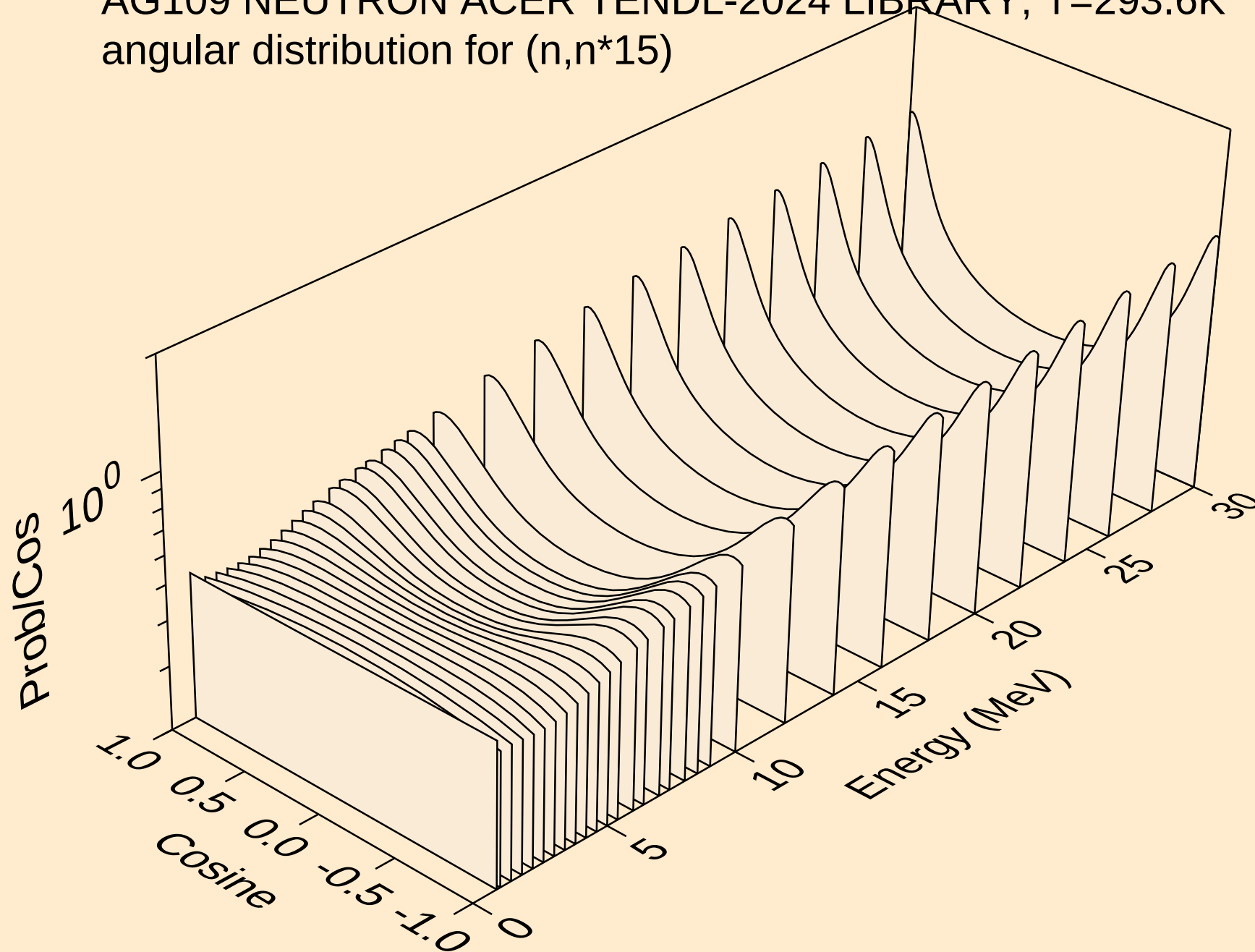
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

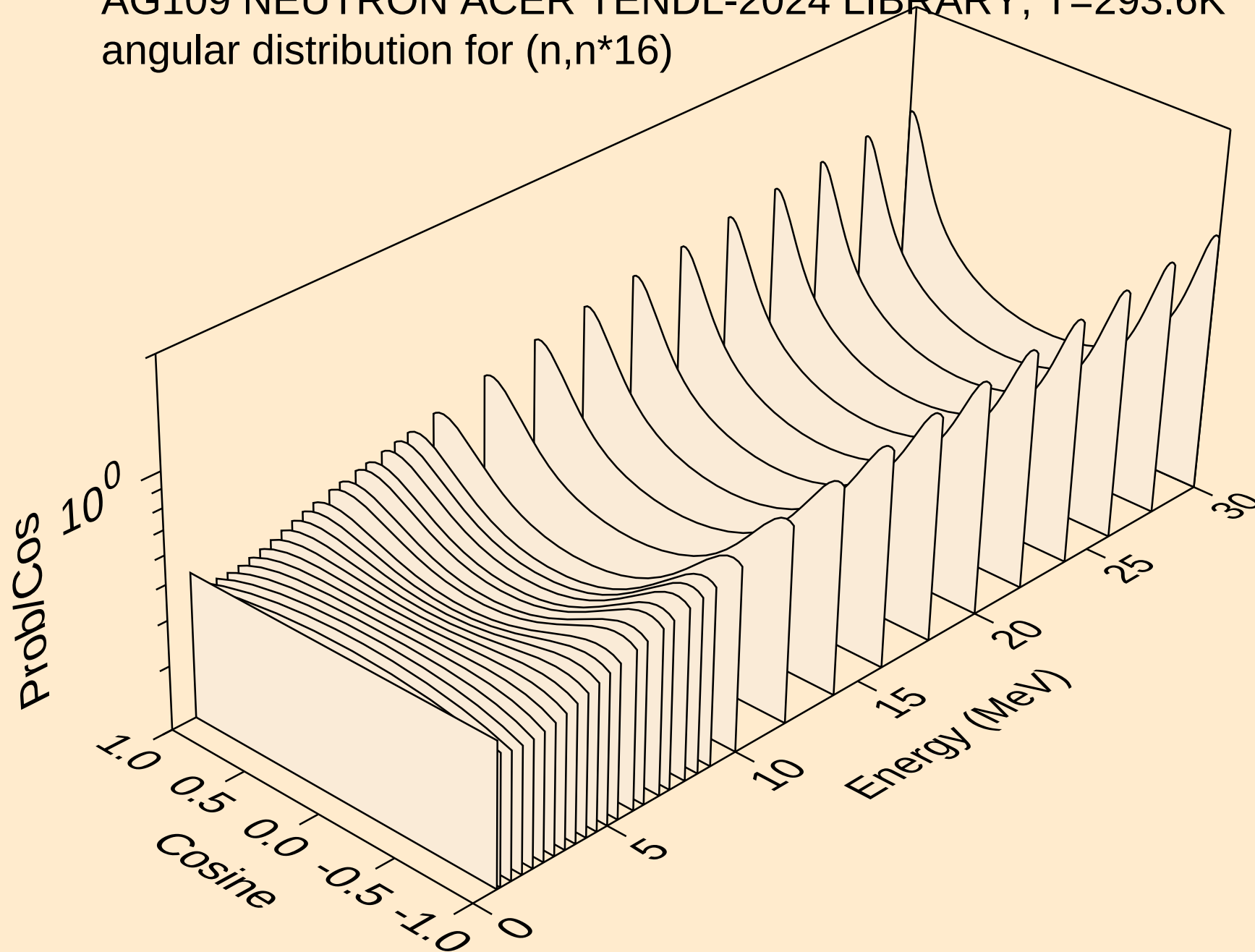


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

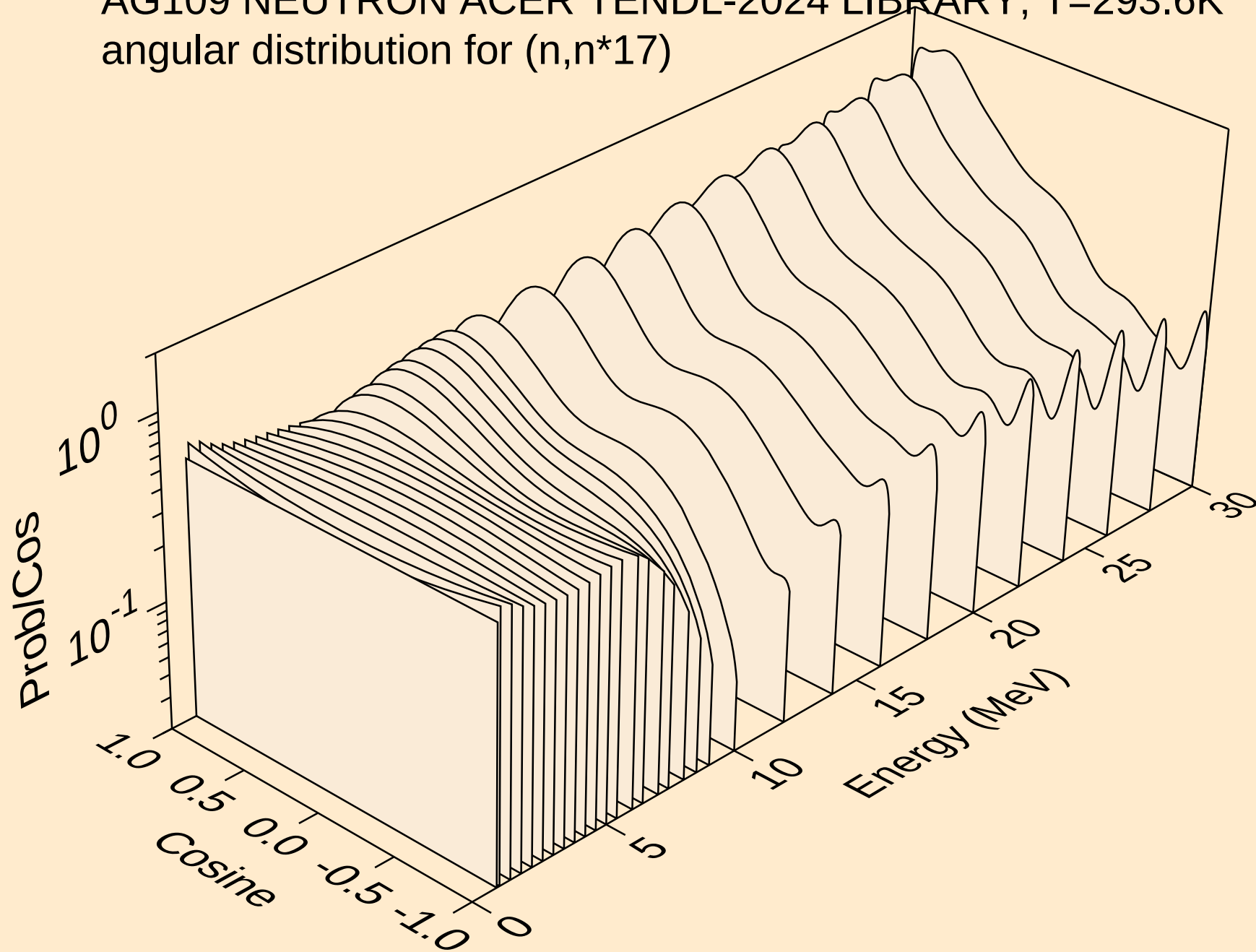




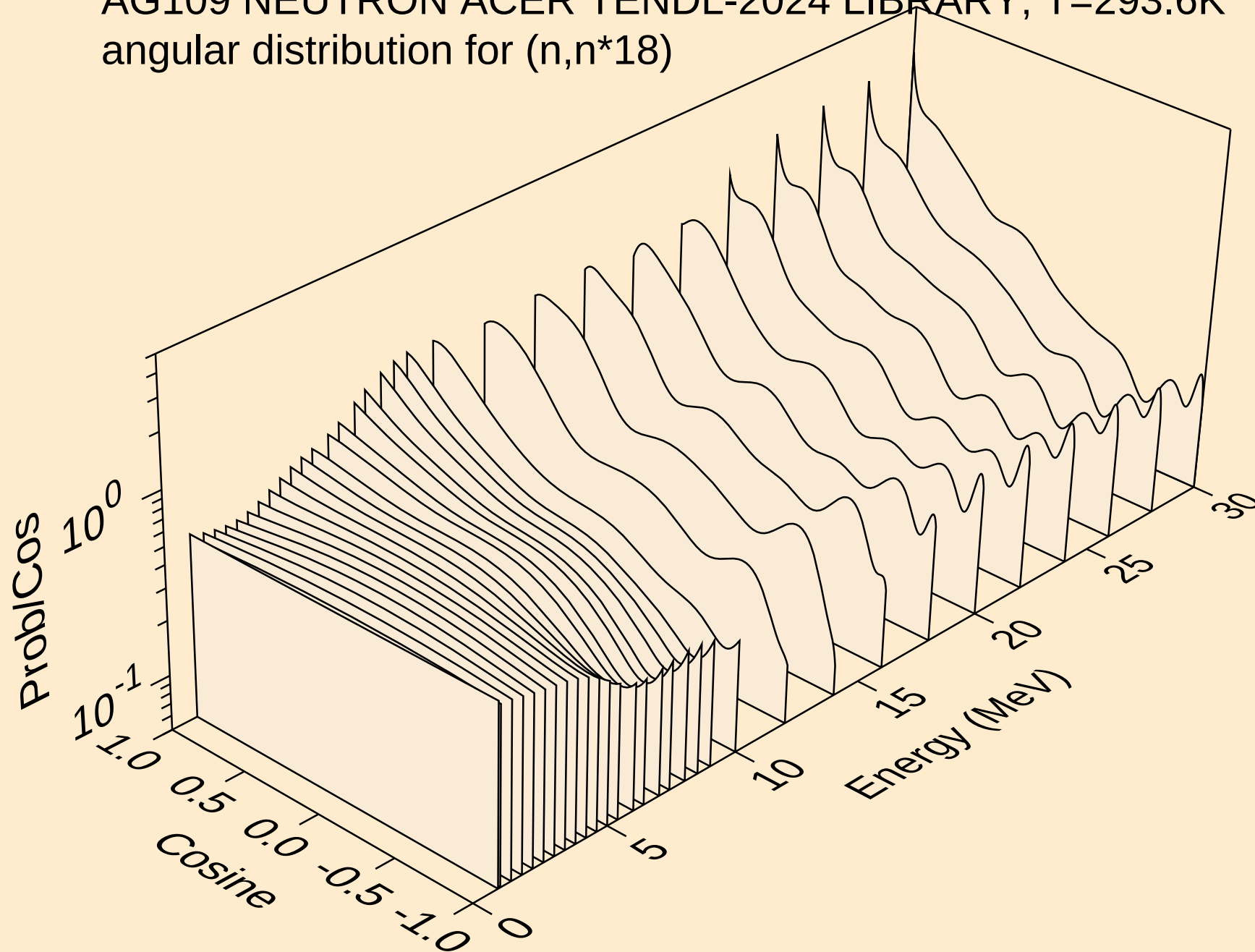
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angular distribution for (n,n\*16)



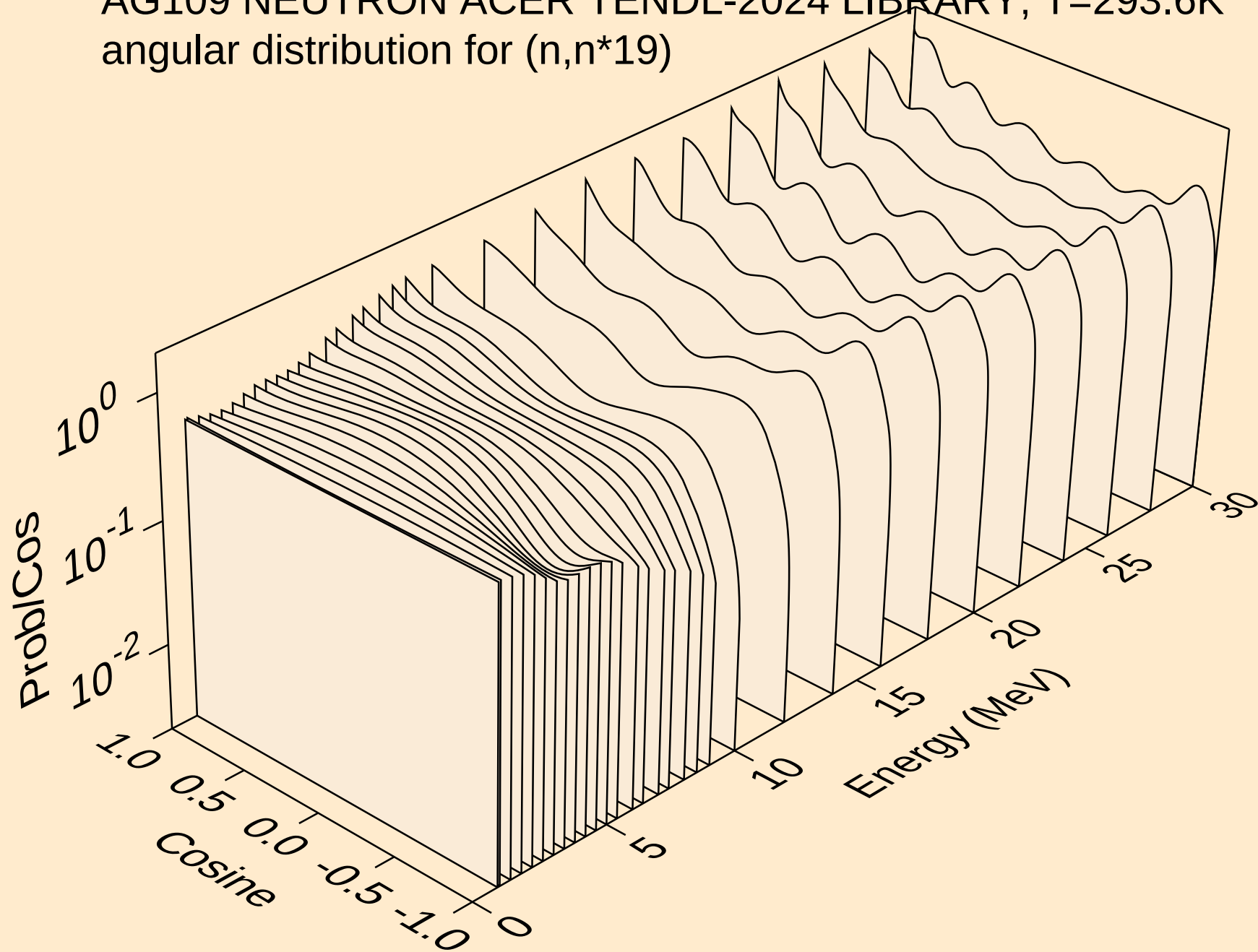
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angular distribution for (n,n\*17)



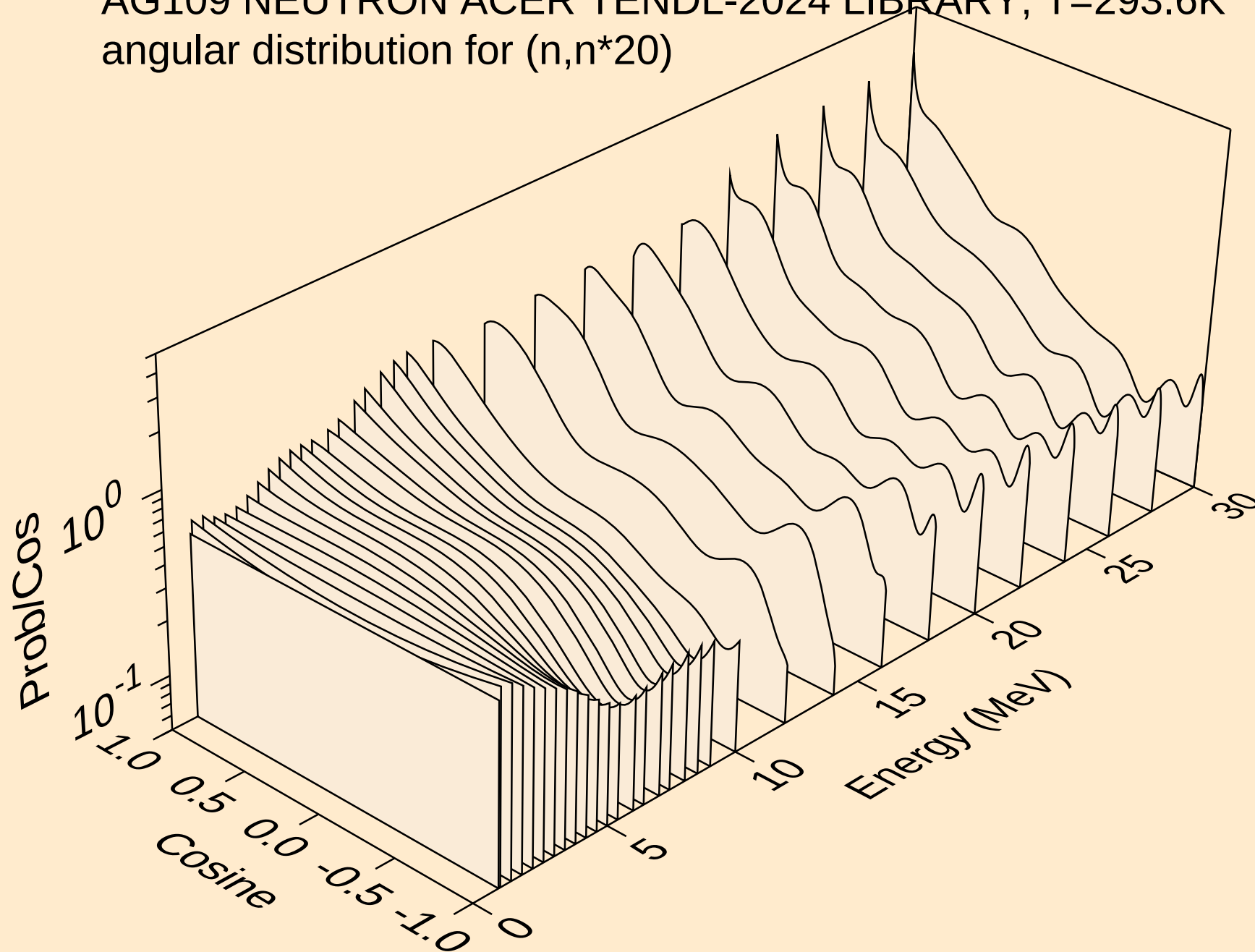
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angular distribution for (n,n\*18)



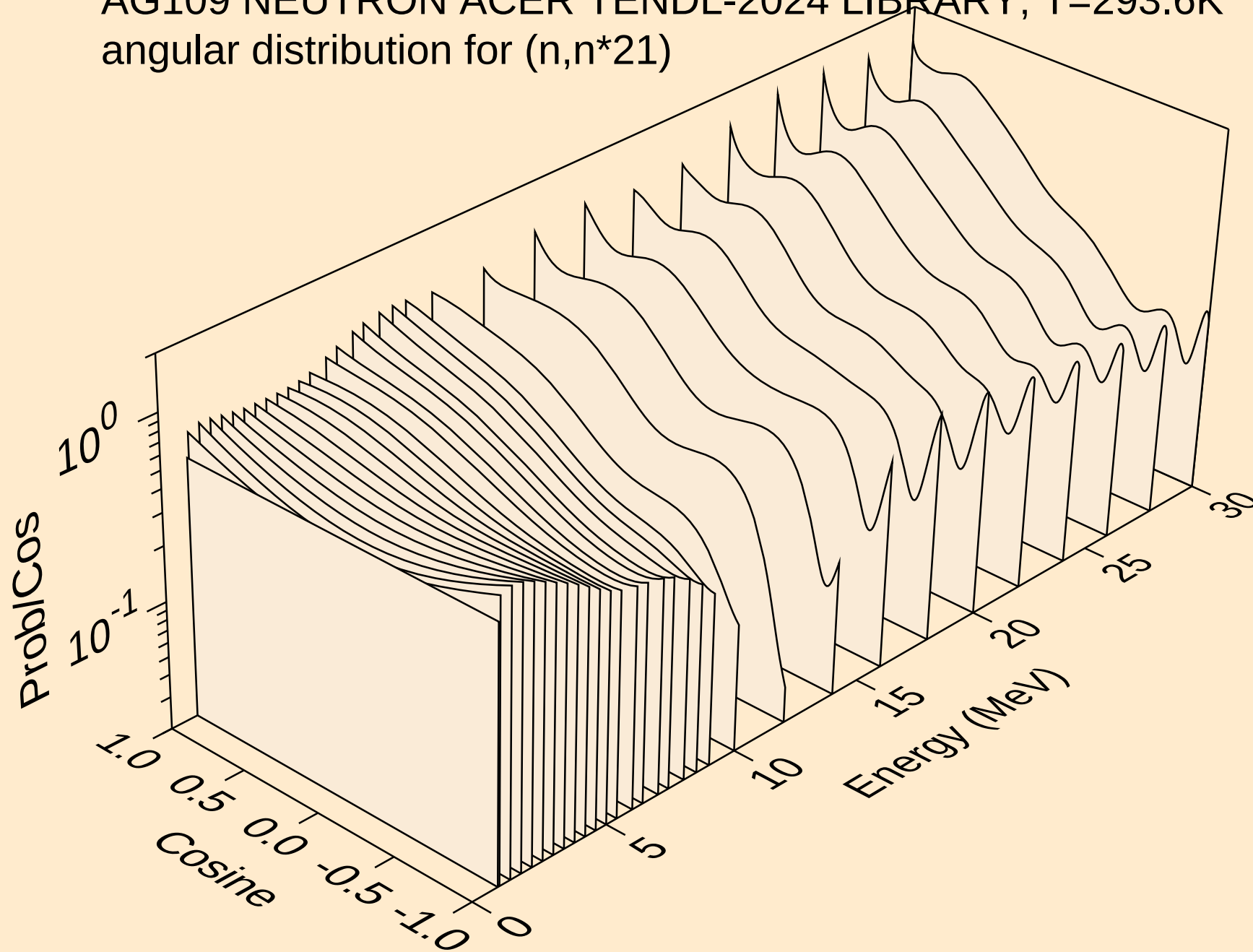
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angular distribution for (n,n\*19)



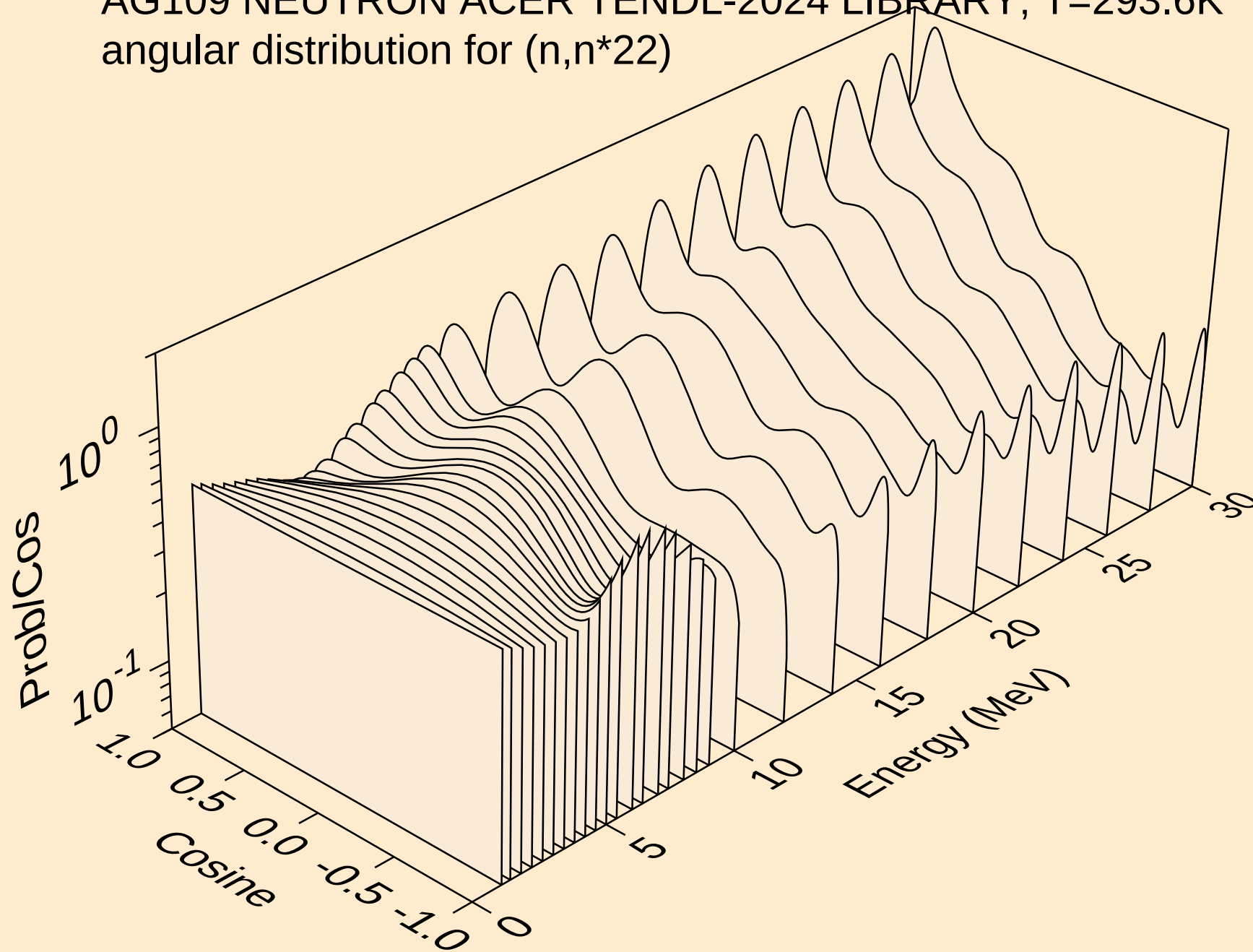
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angular distribution for (n,n\*20)



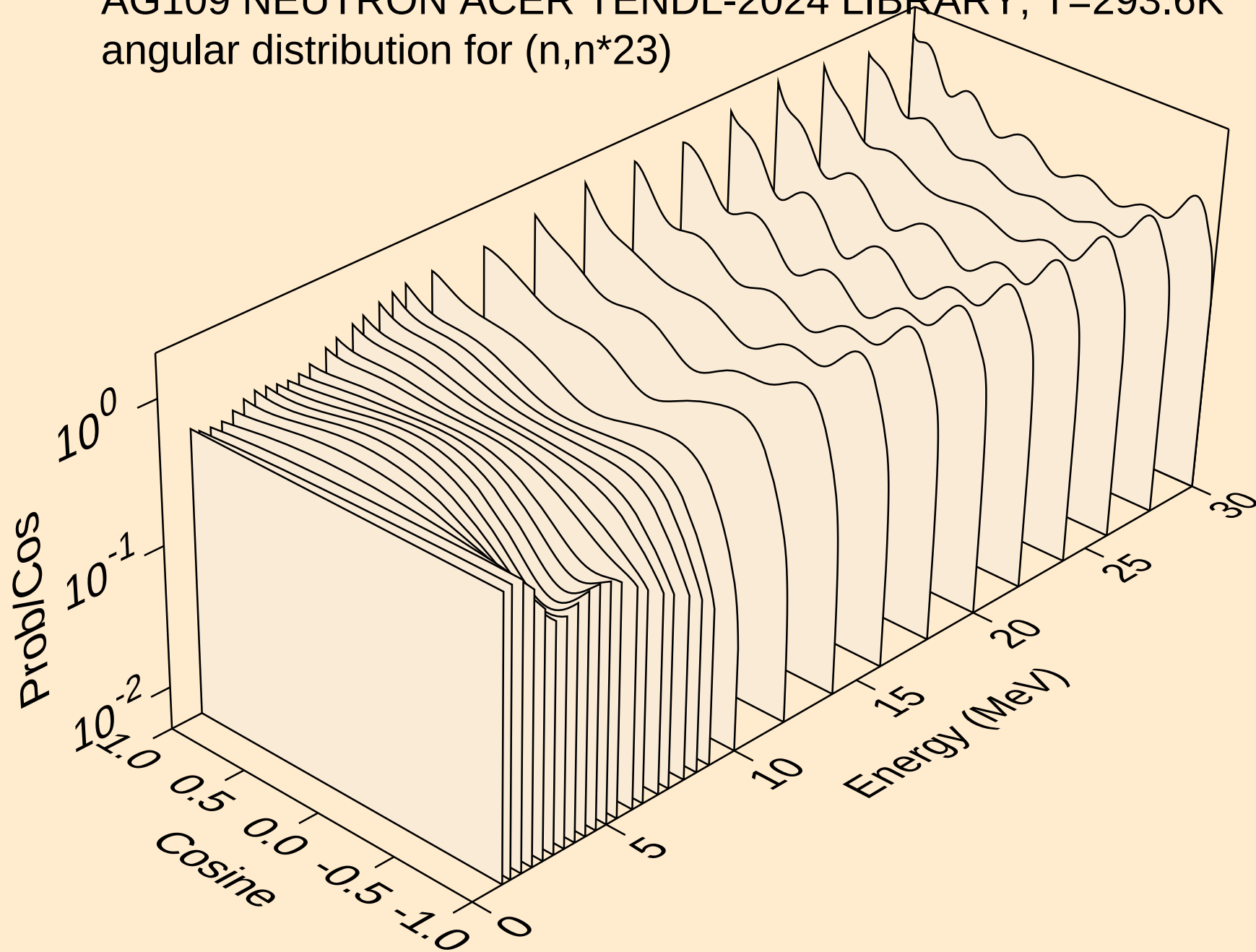
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

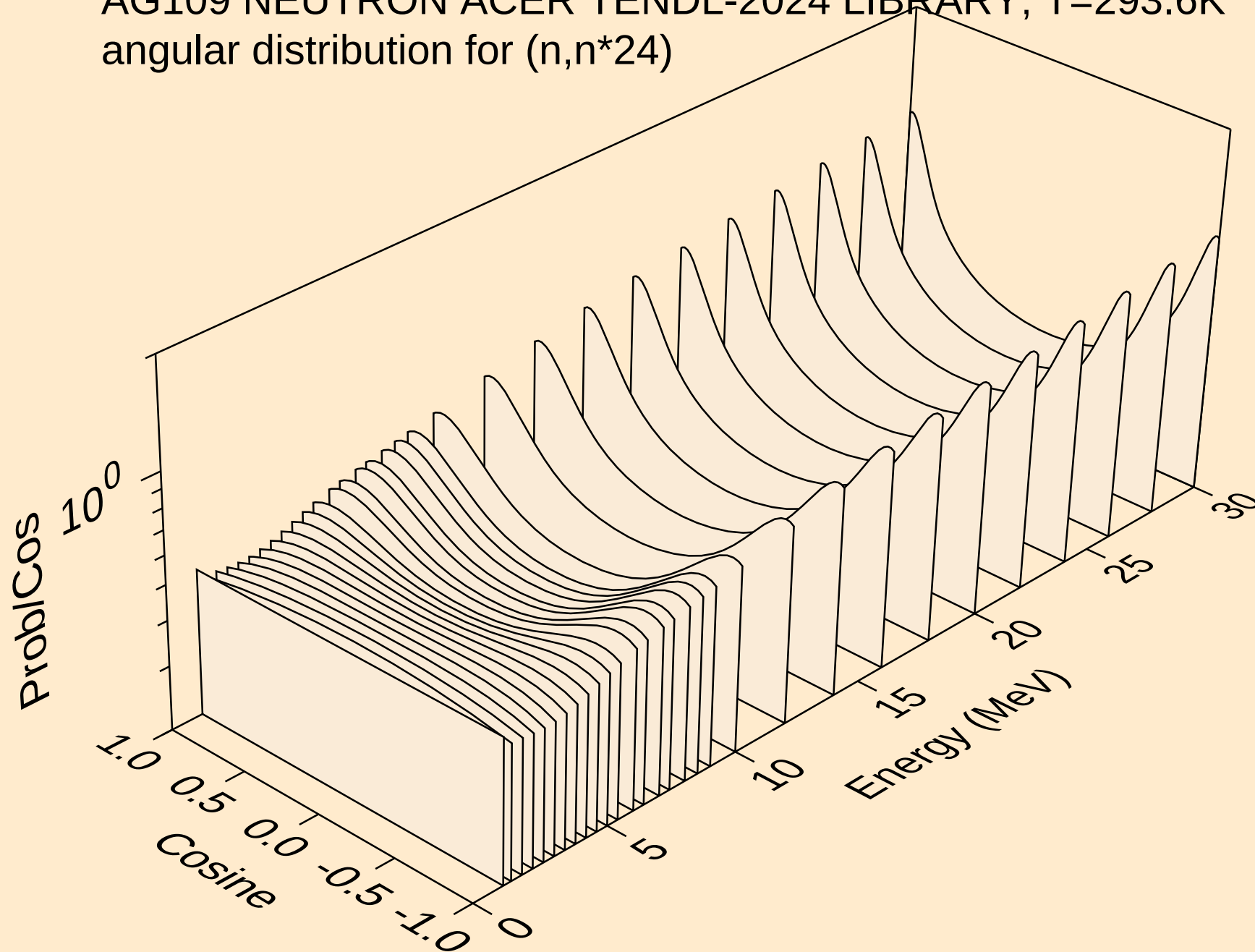


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

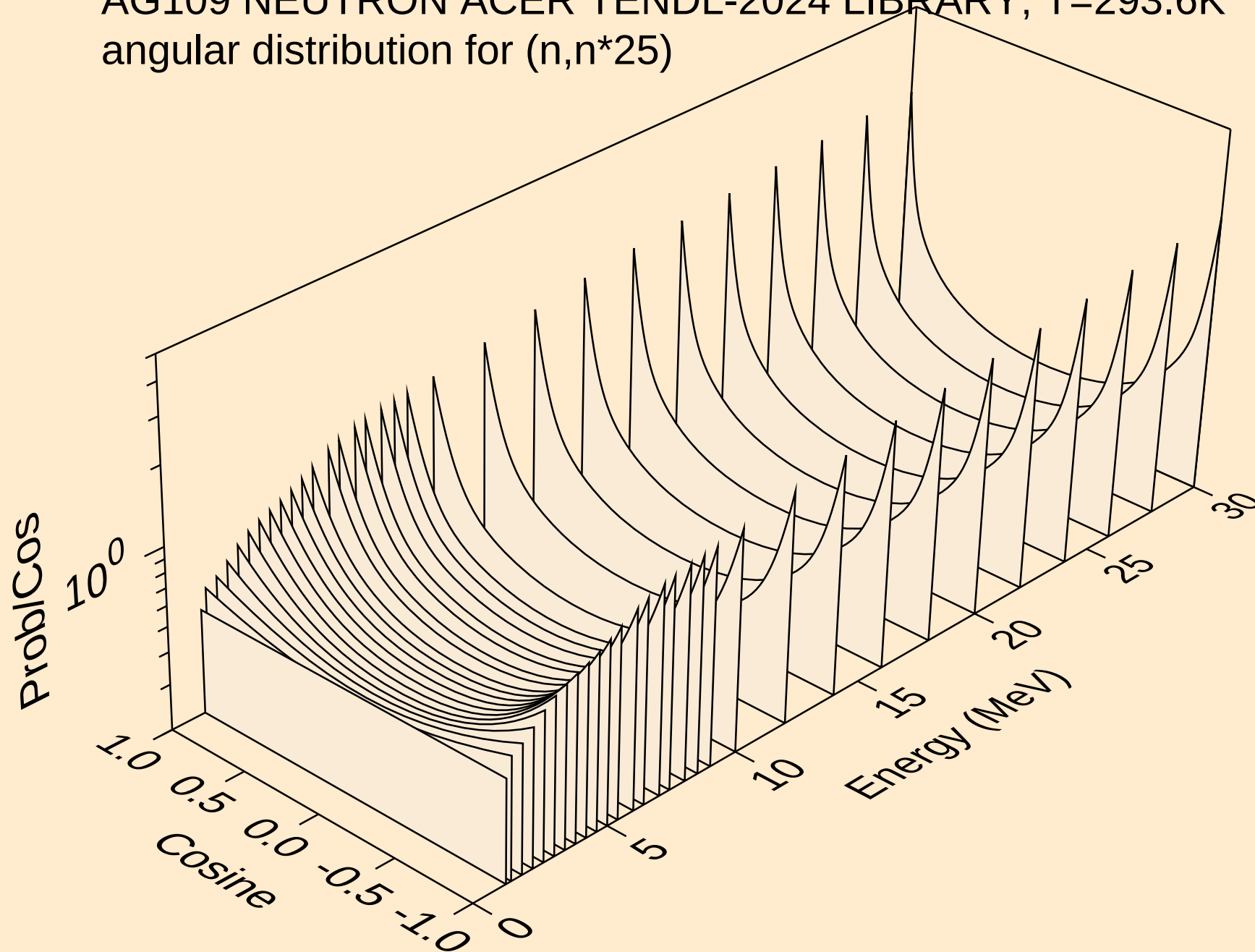




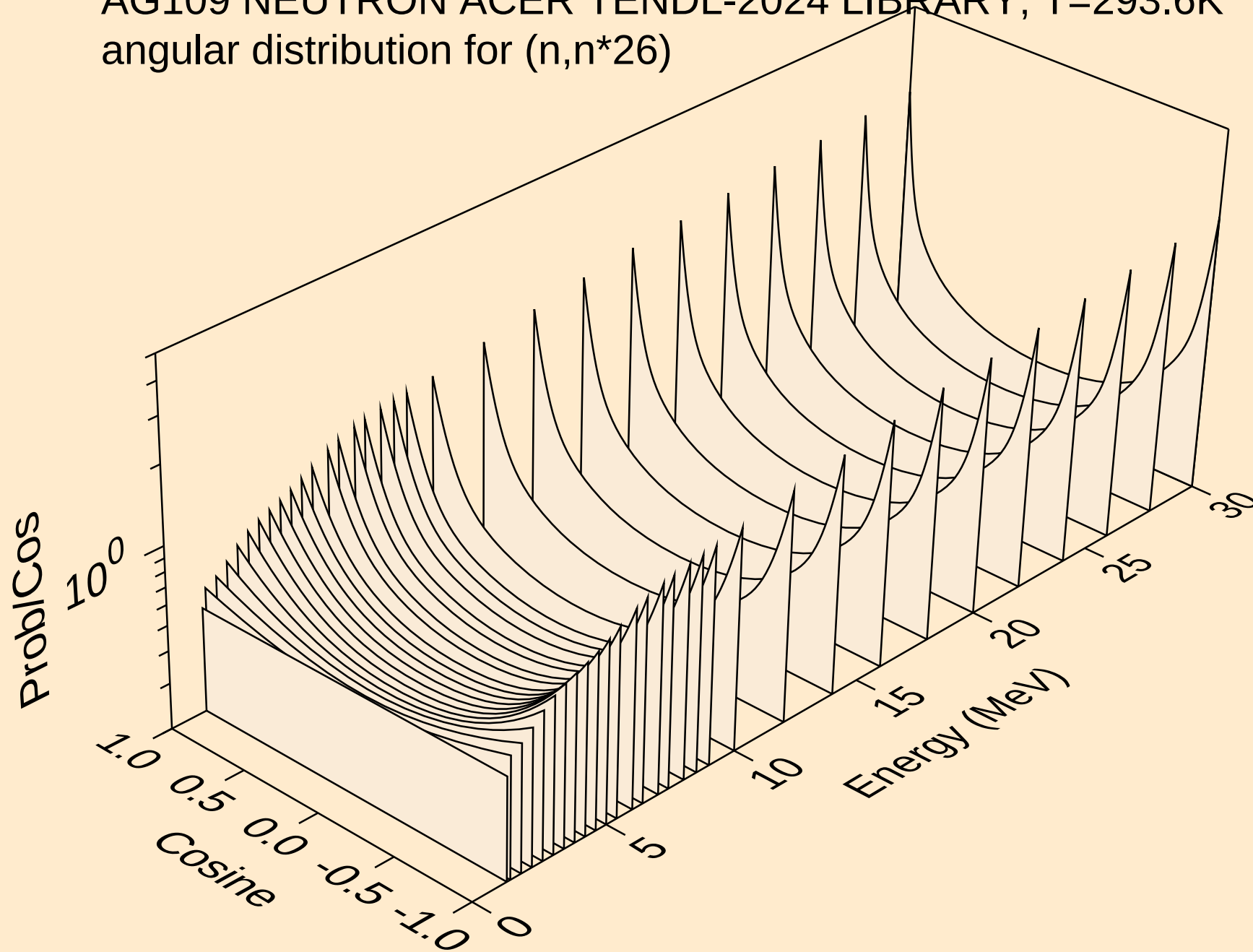
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angular distribution for (n,n\*24)



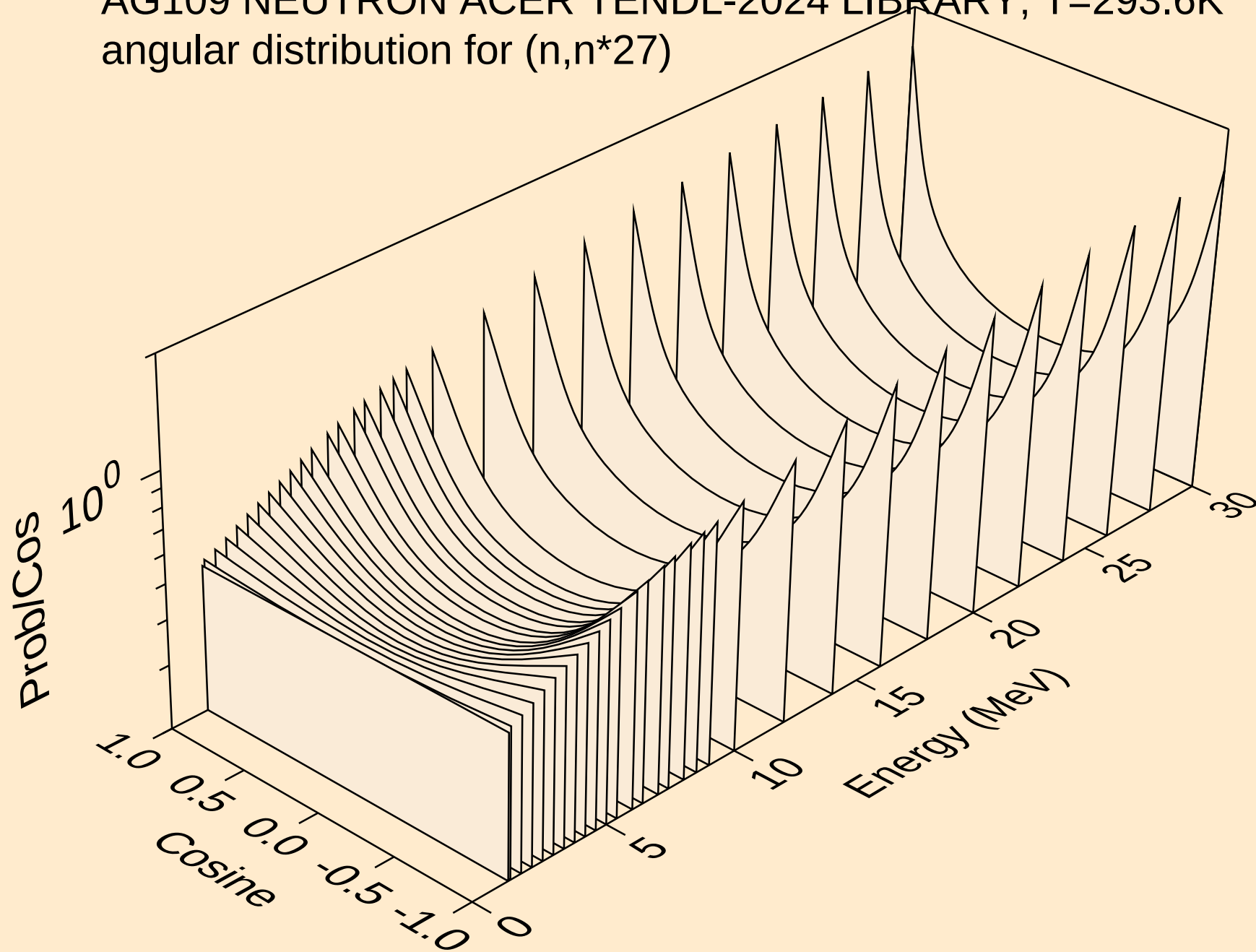
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angular distribution for (n,n\*25)



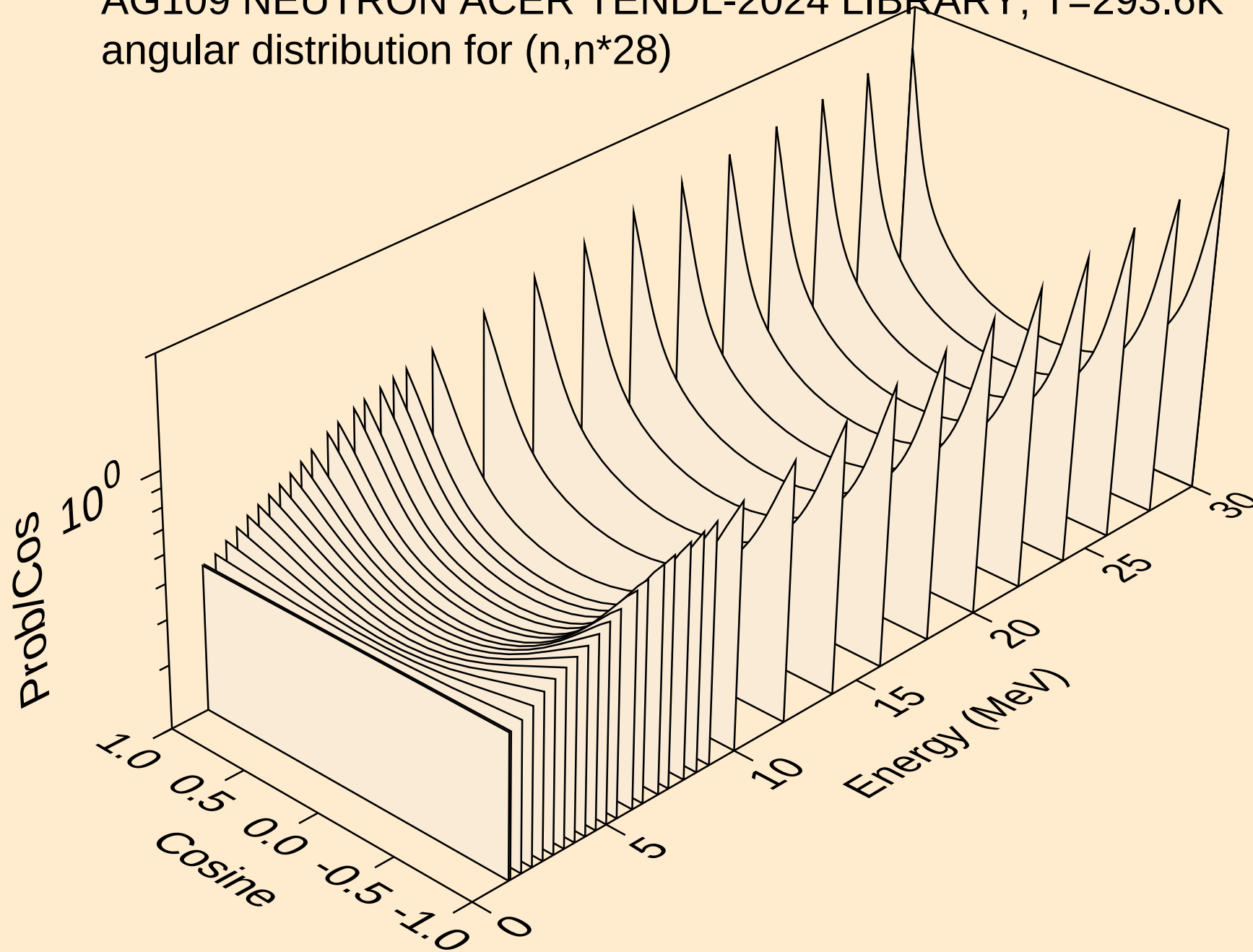
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angular distribution for (n,n\*26)



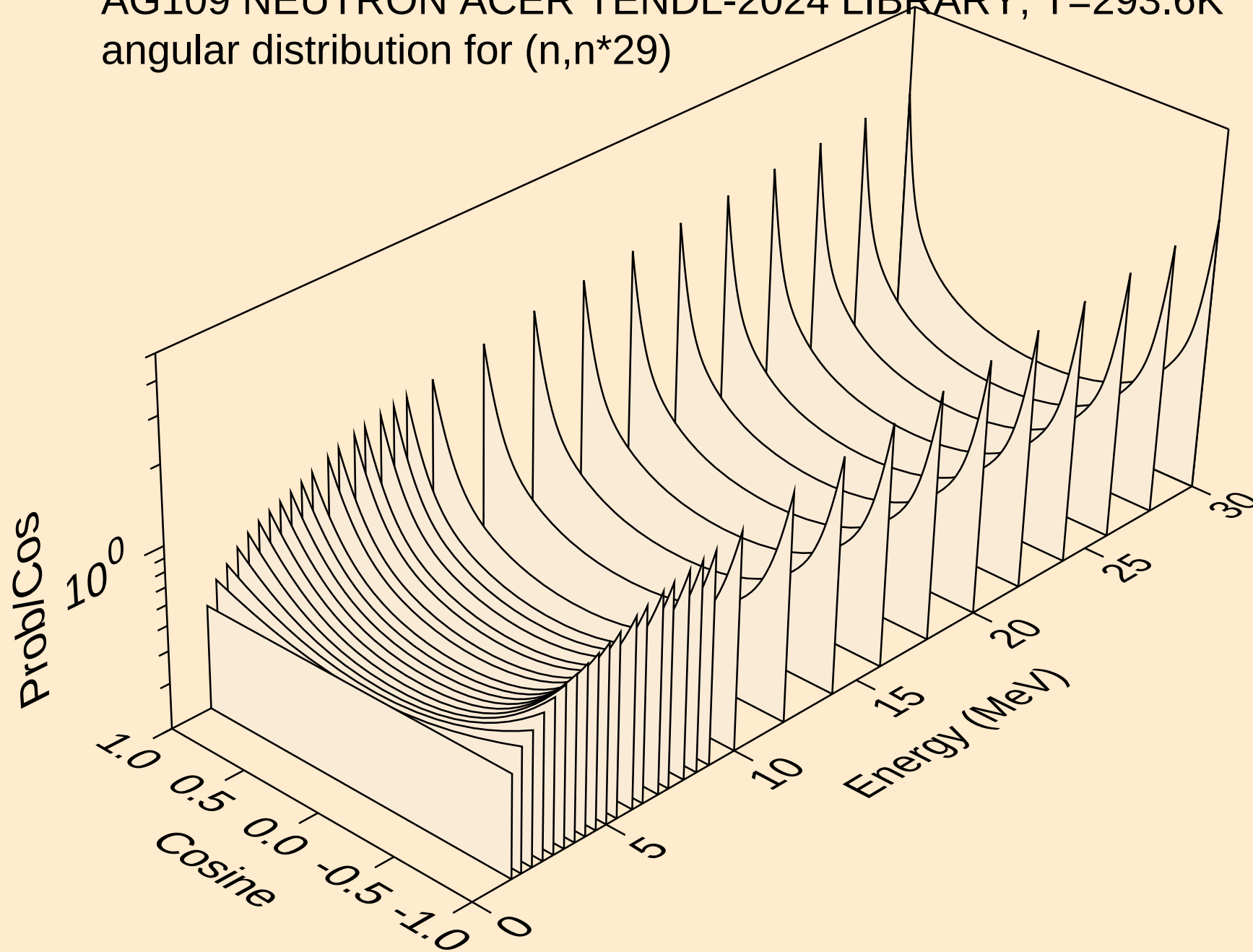
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



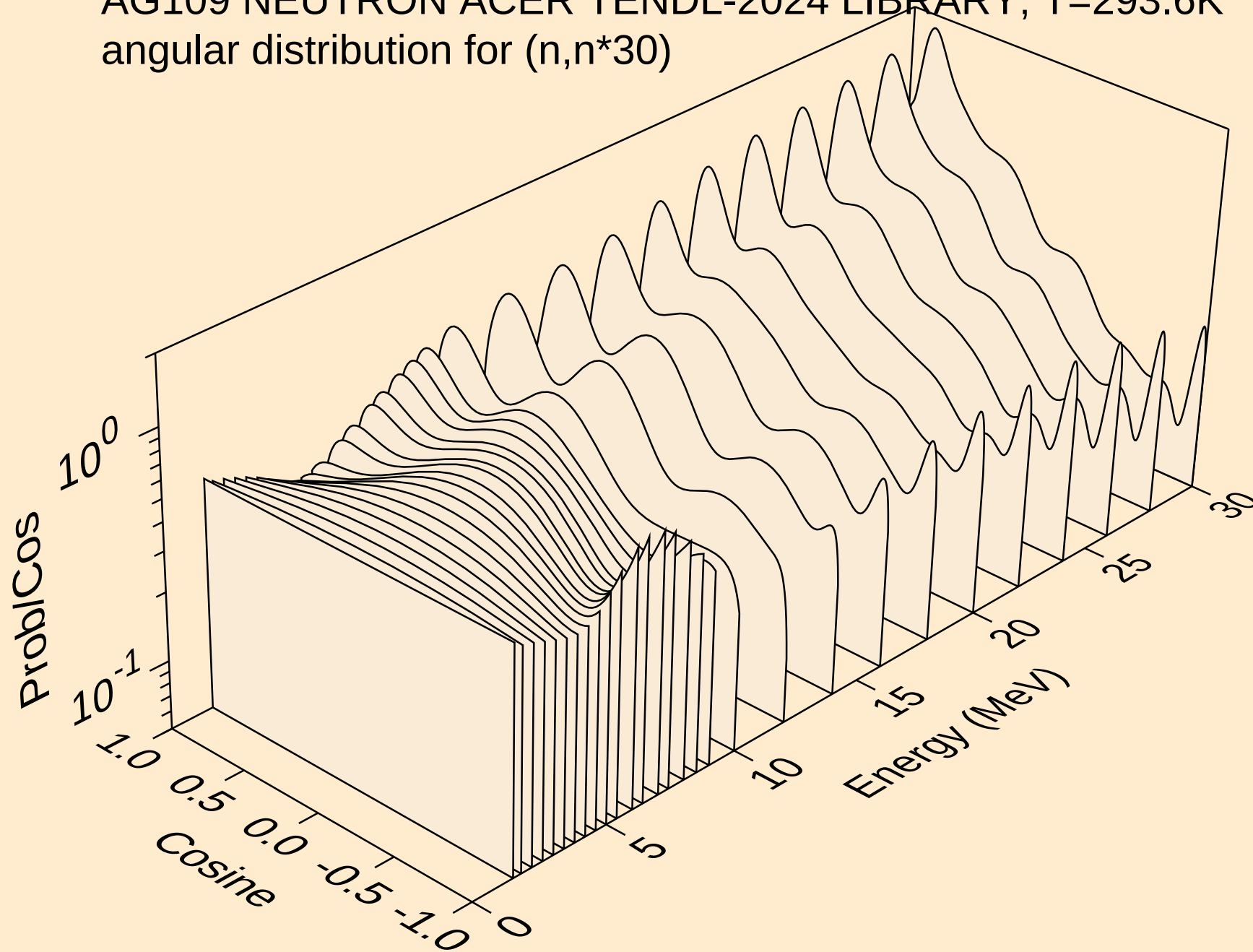
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



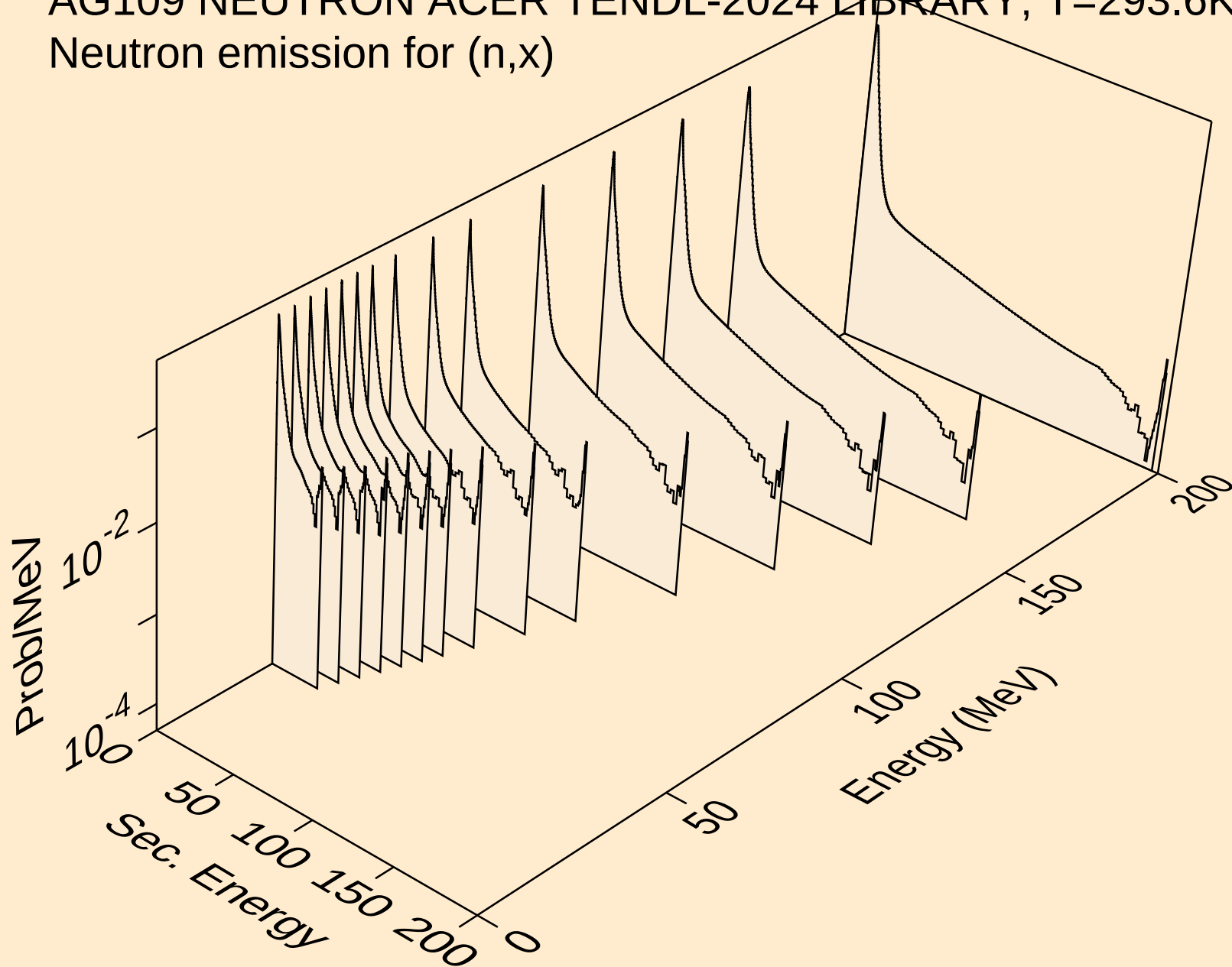
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)

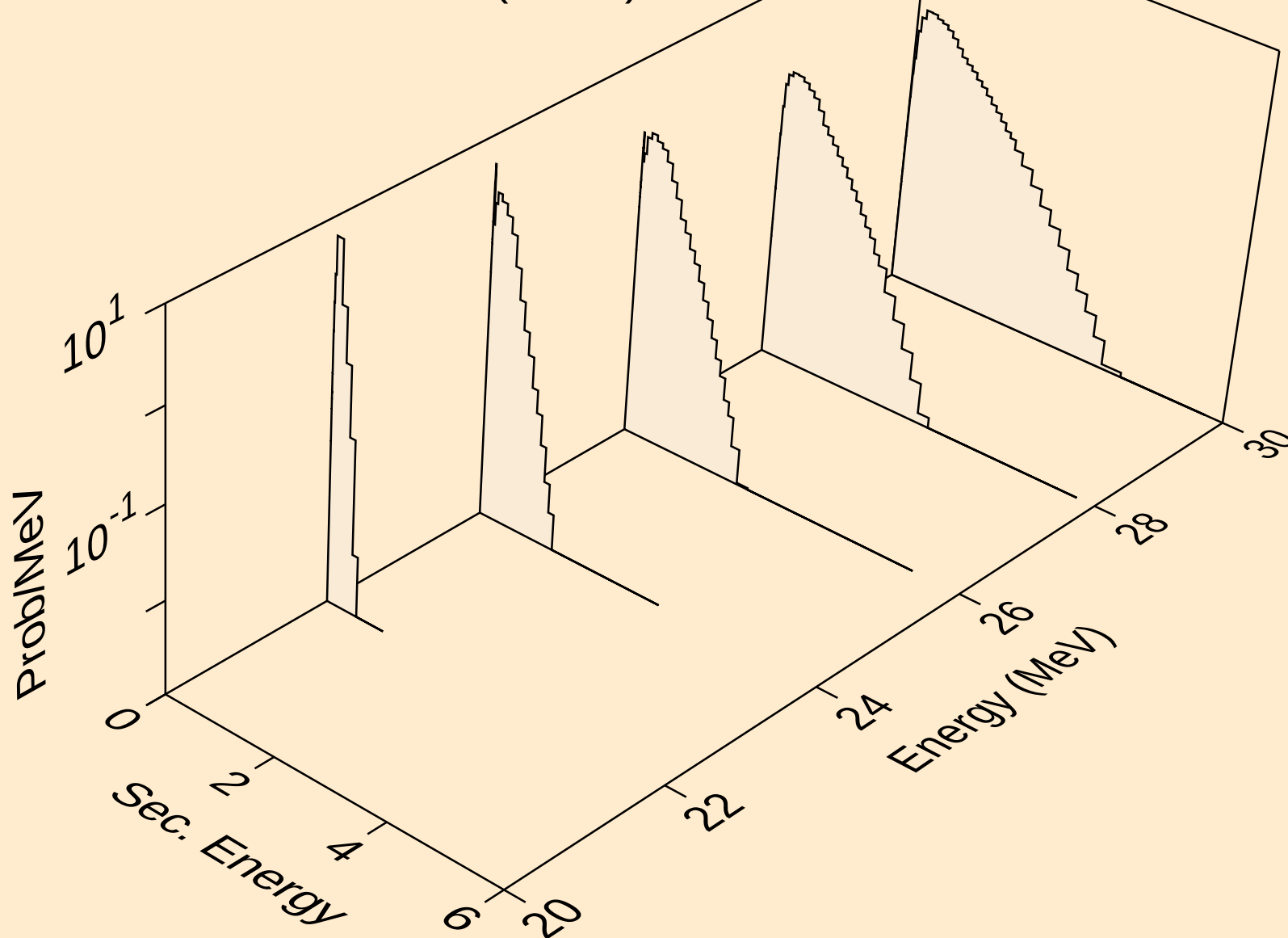


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)

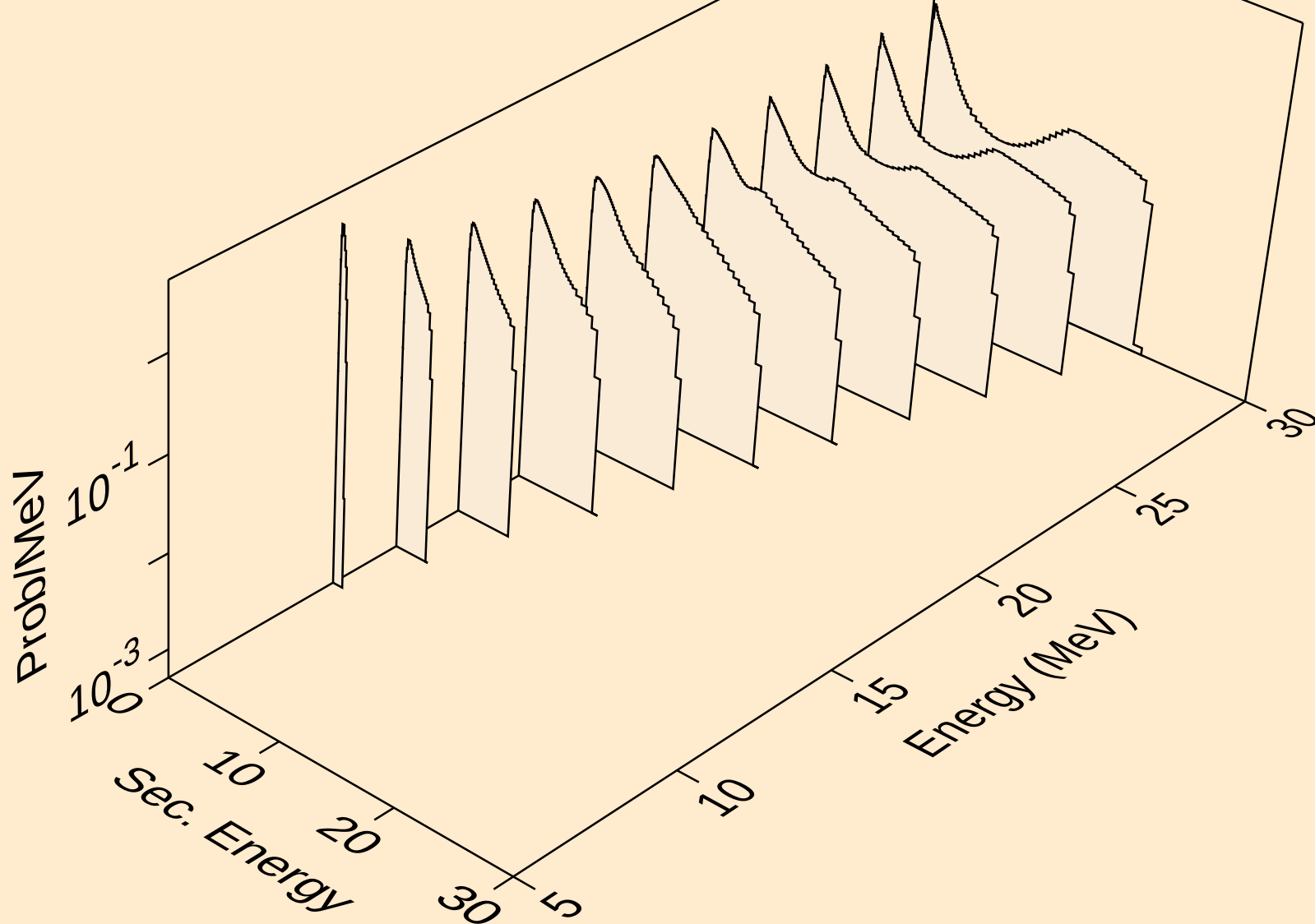




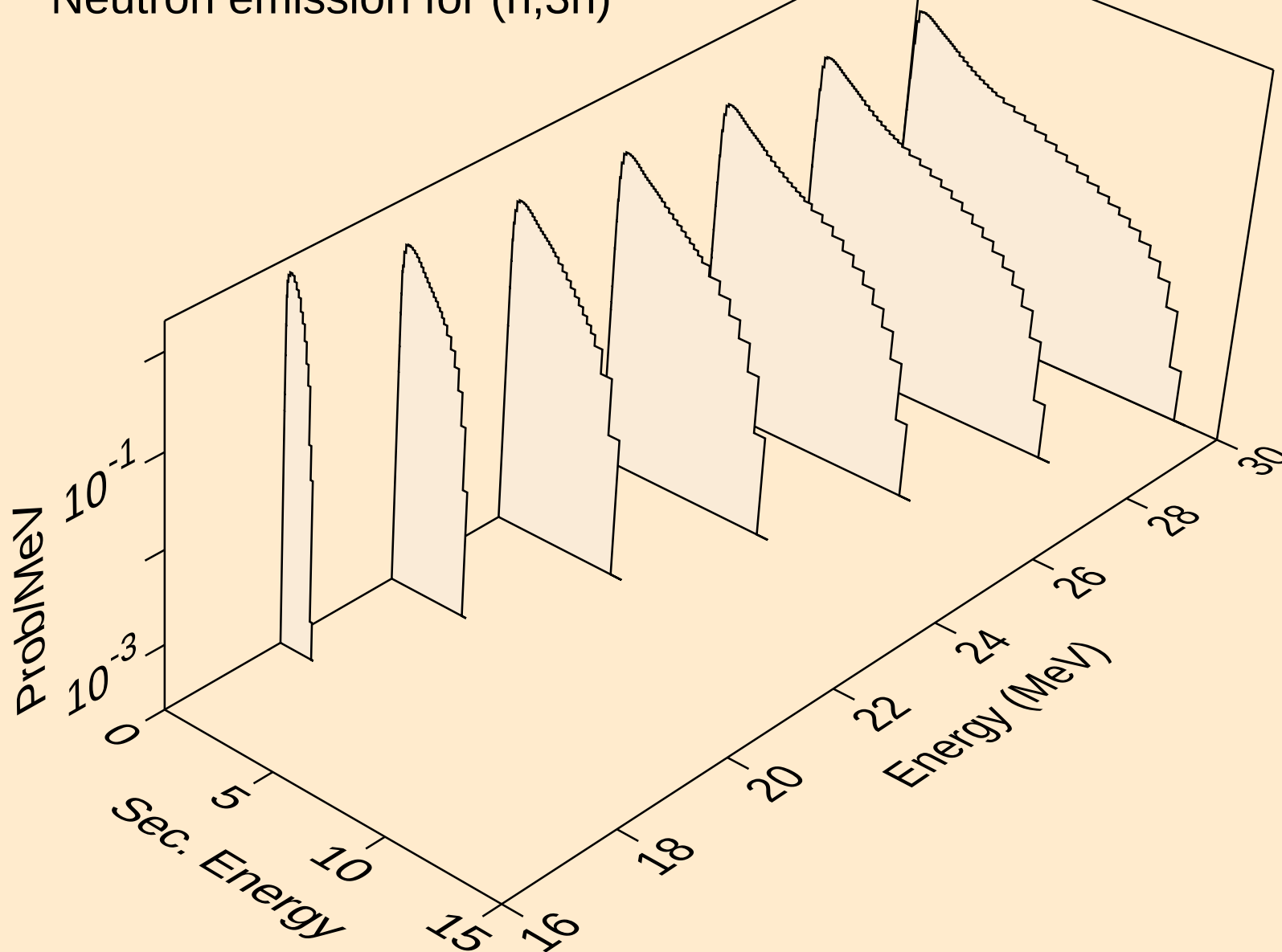
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



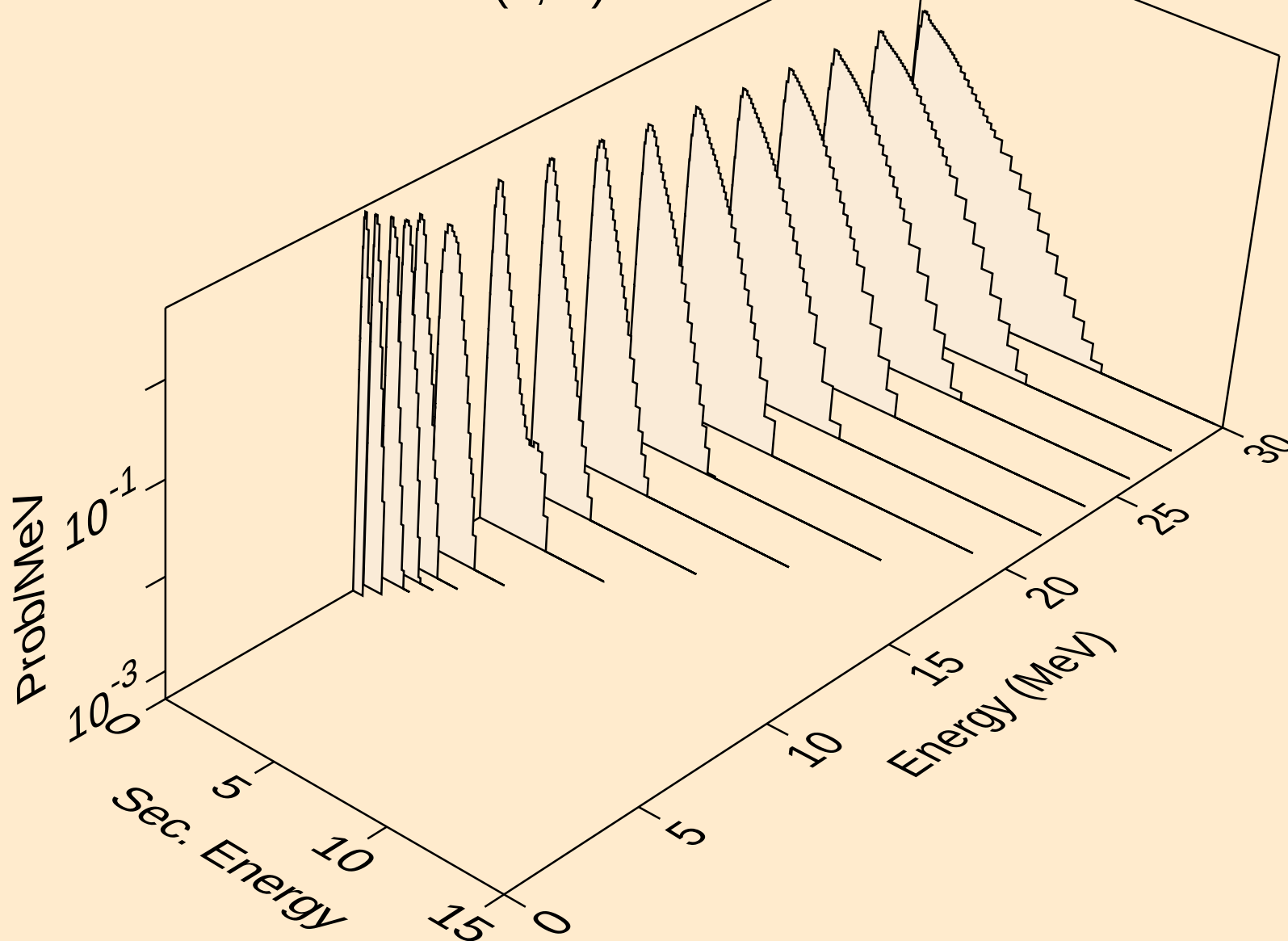
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



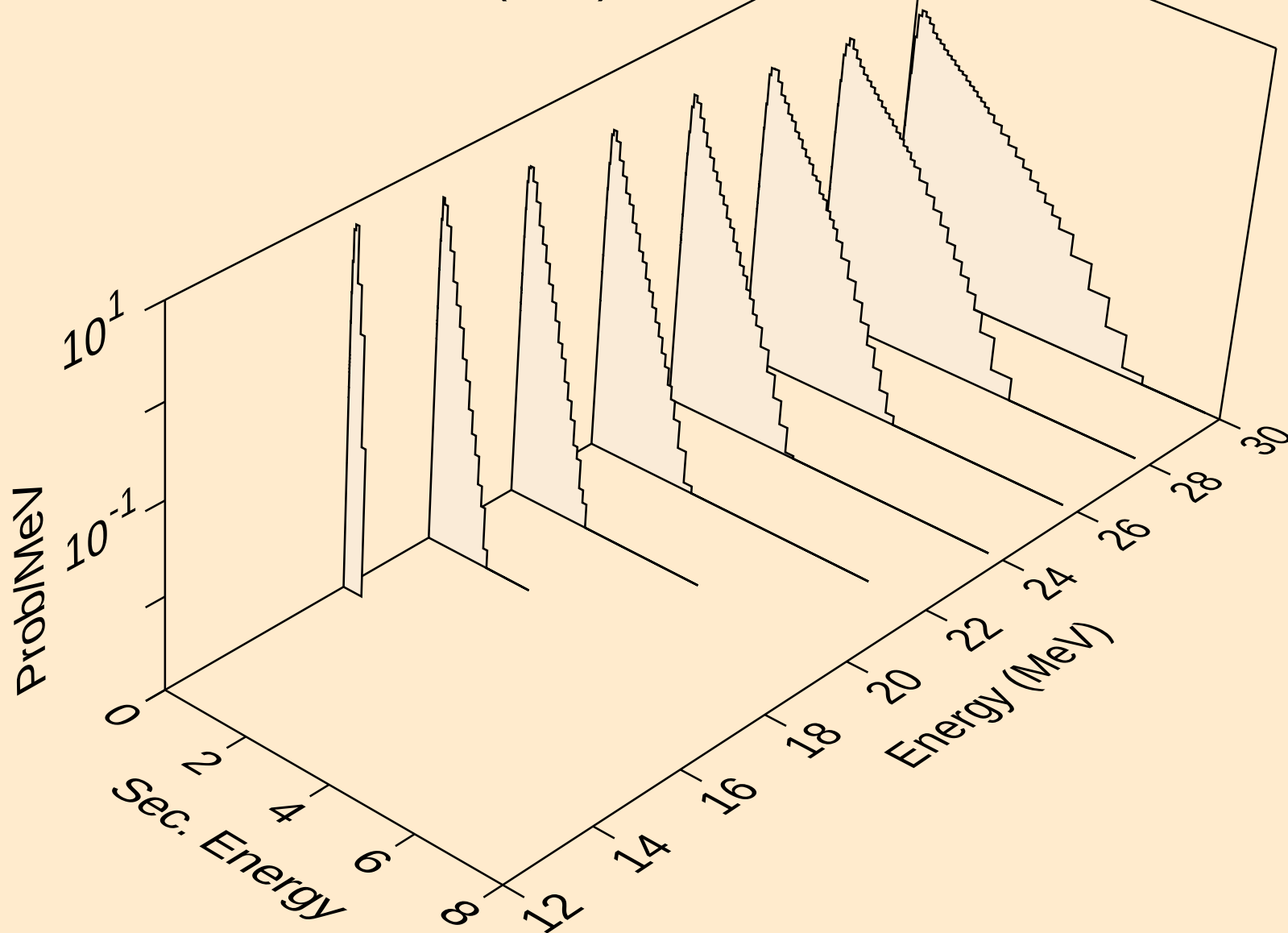
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



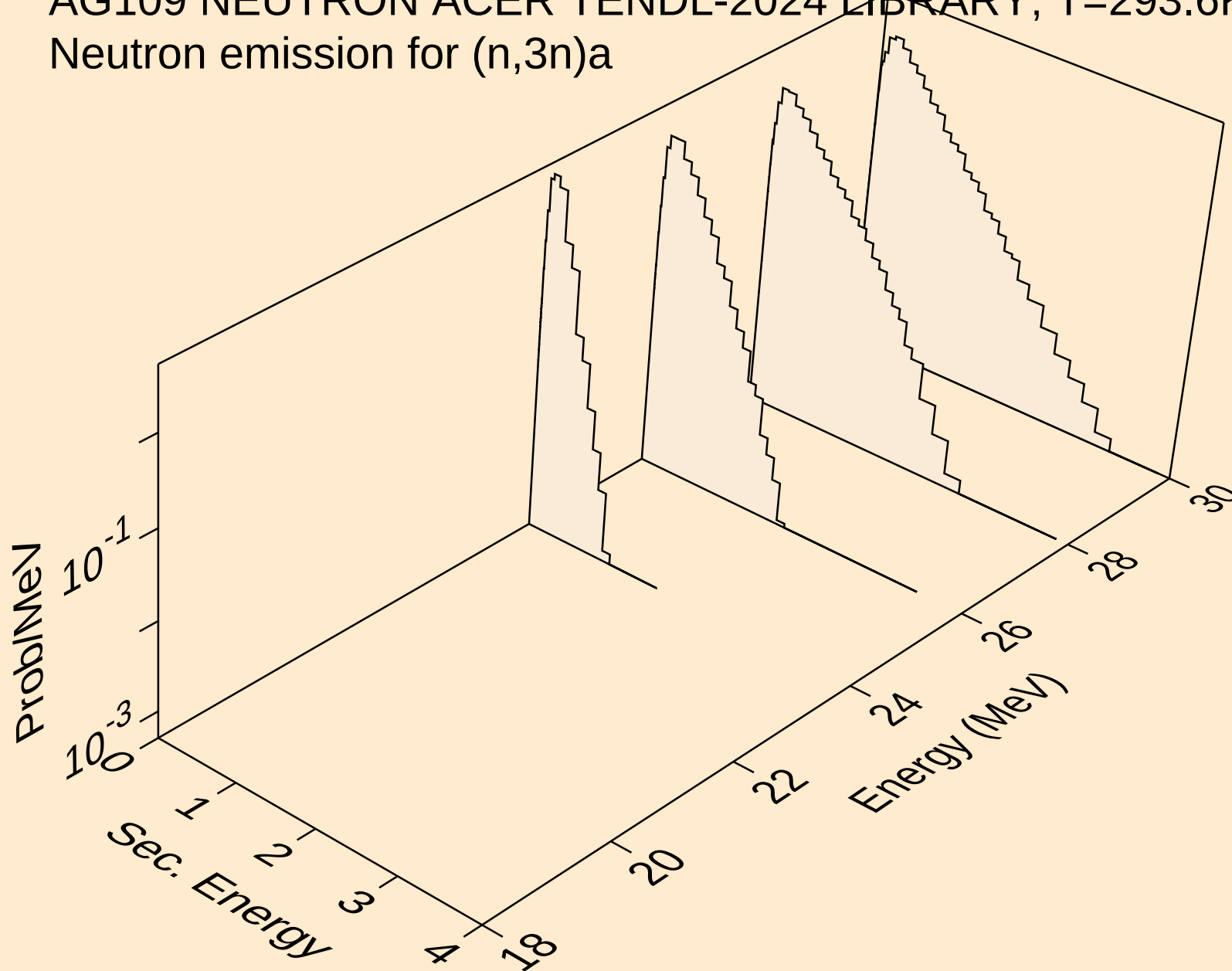
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



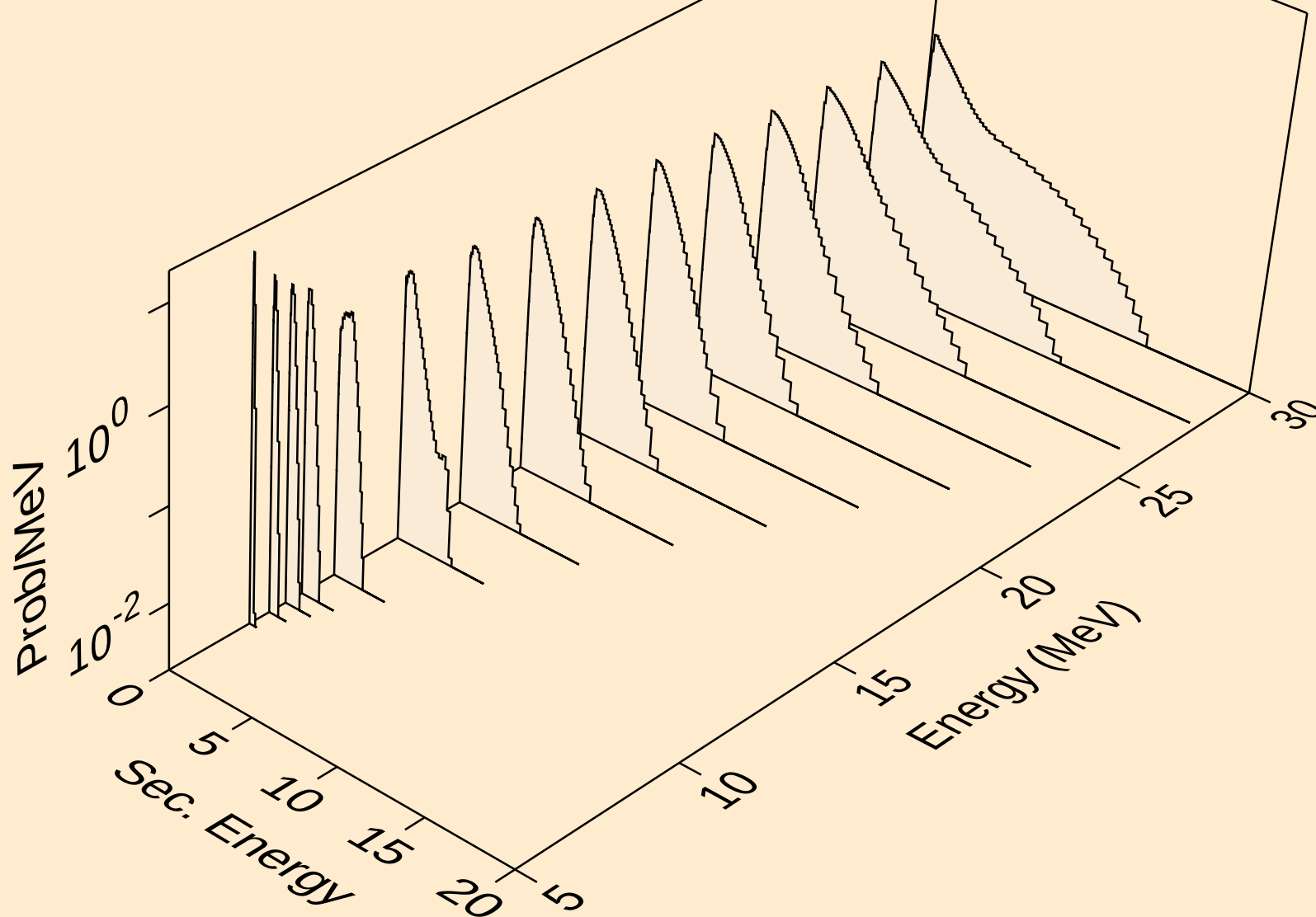
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



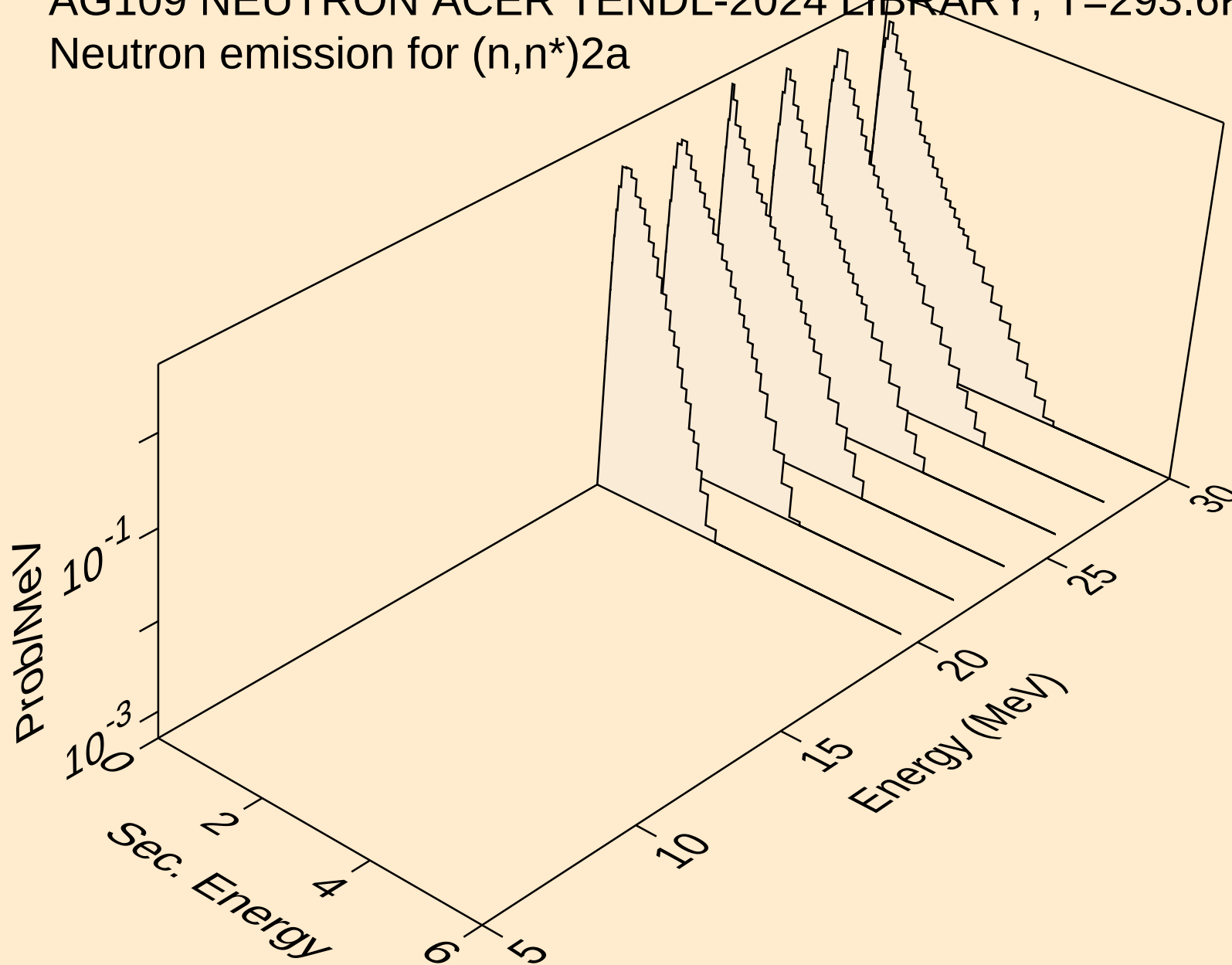
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

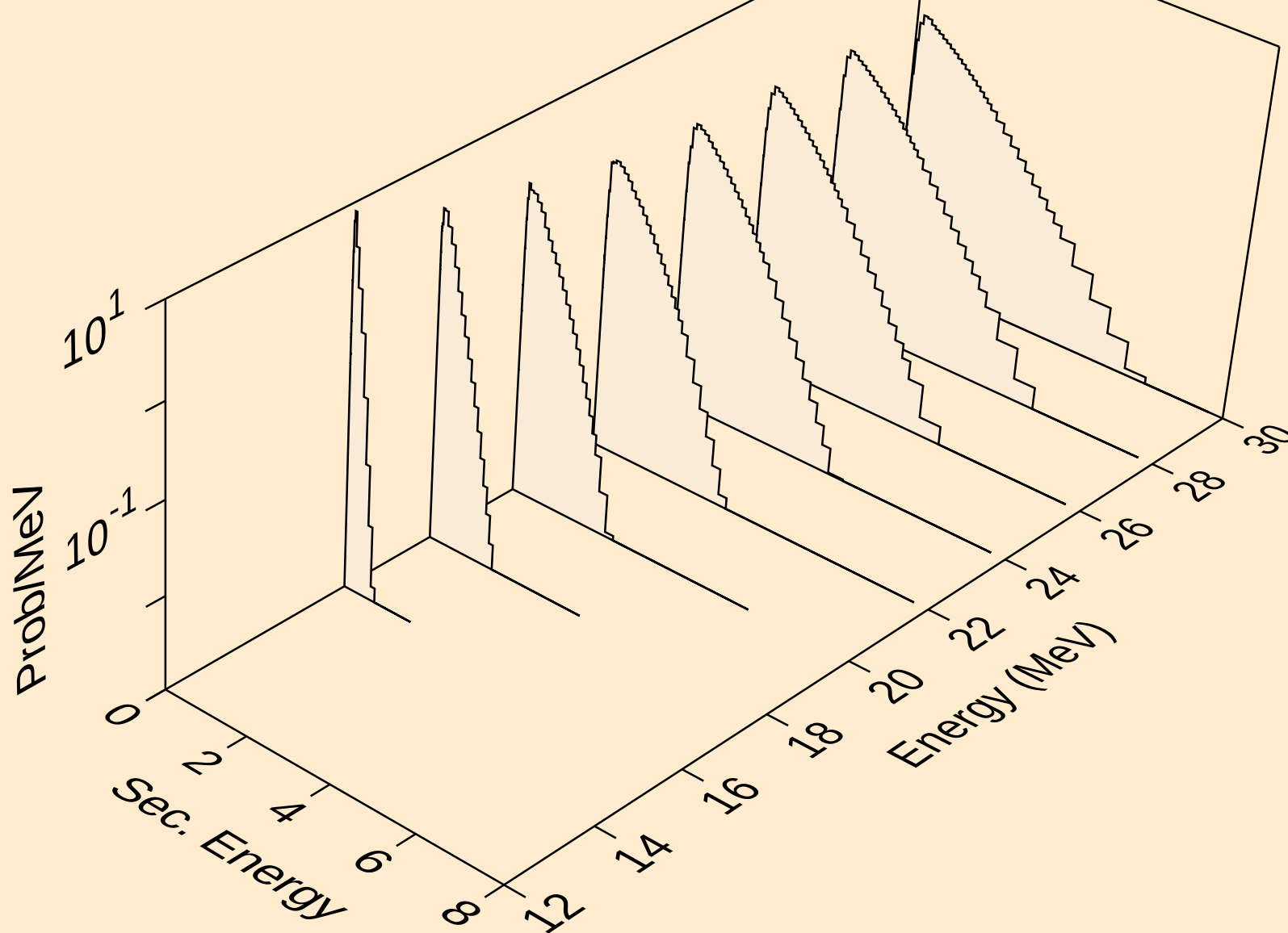


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

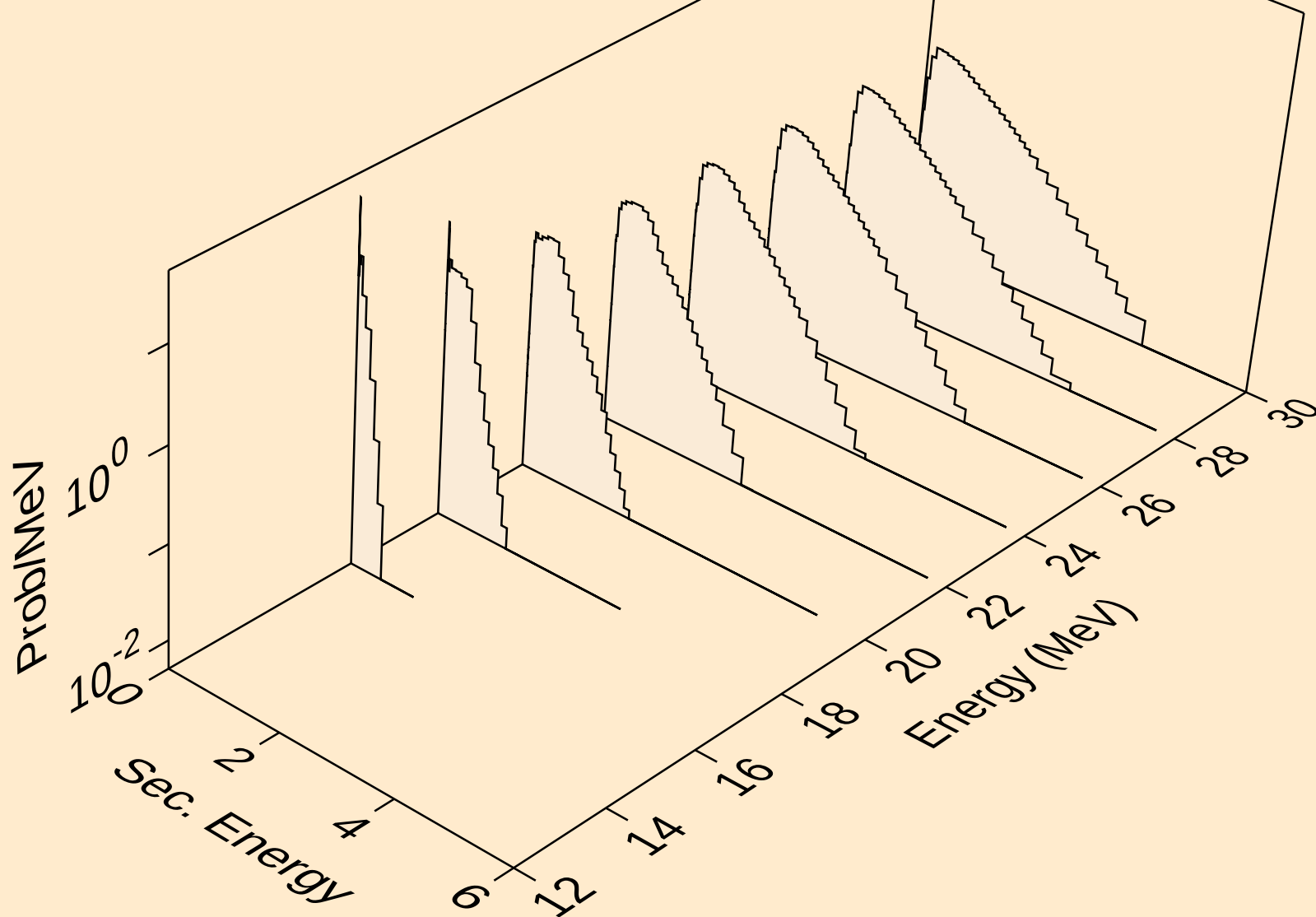




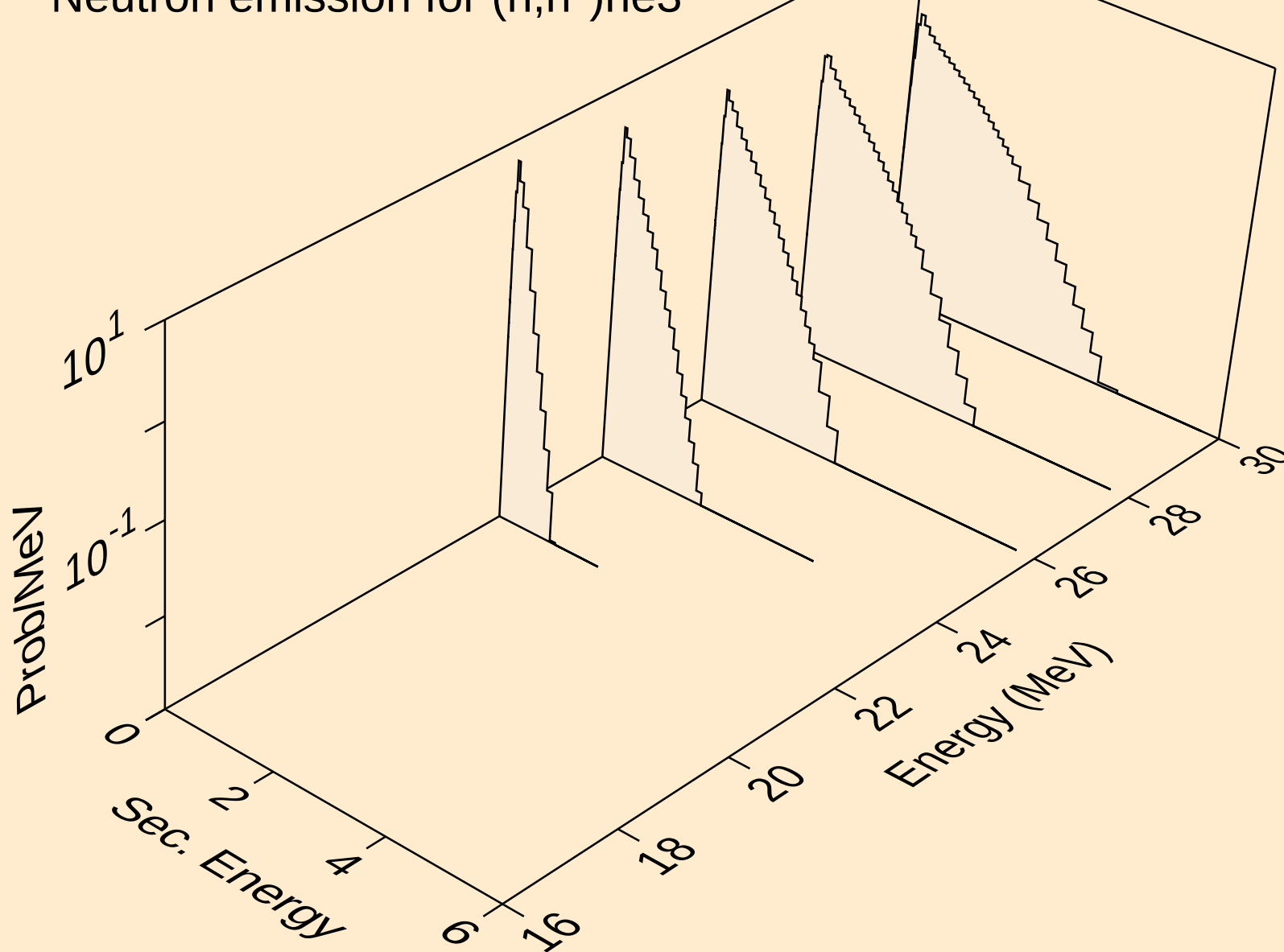
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



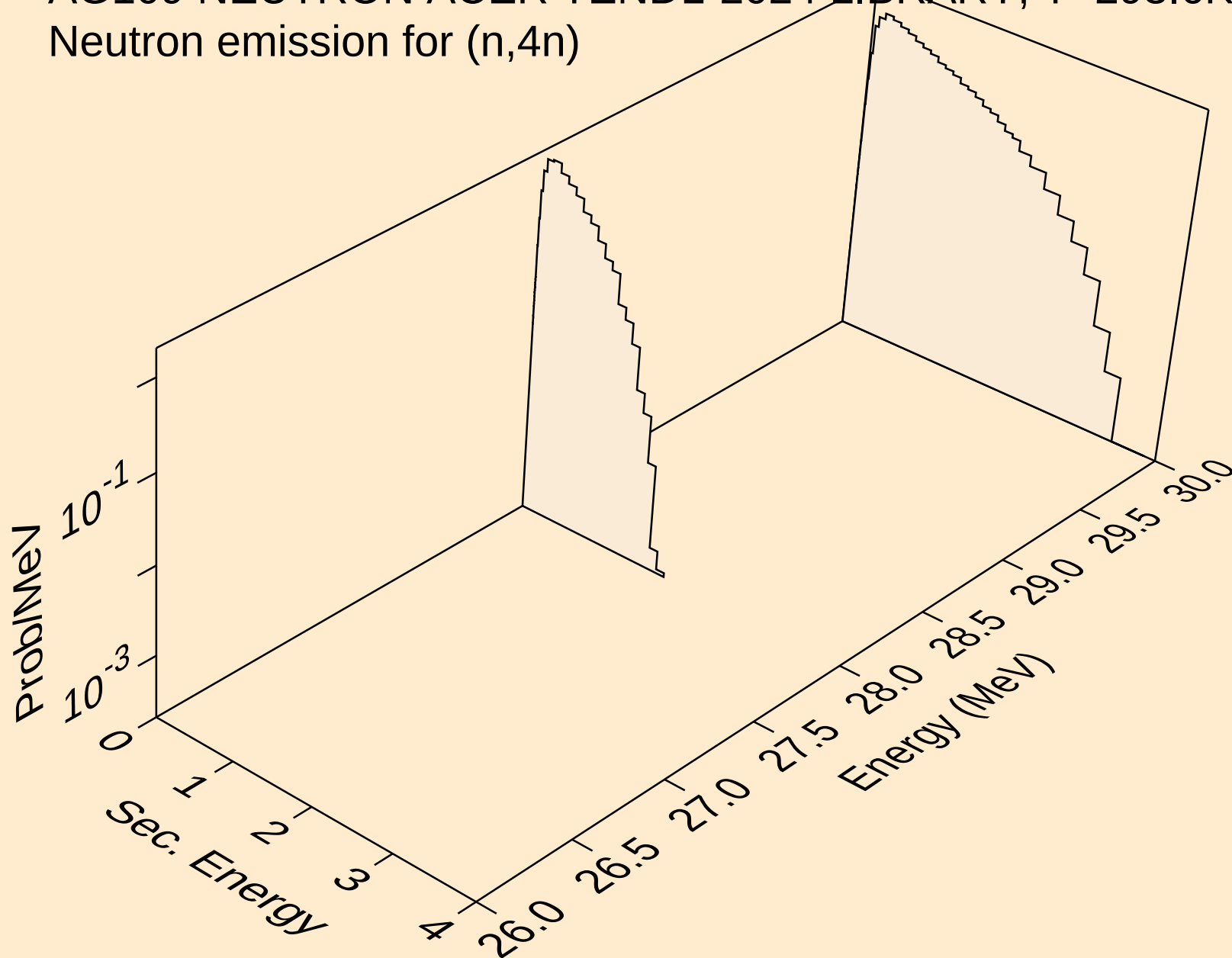
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



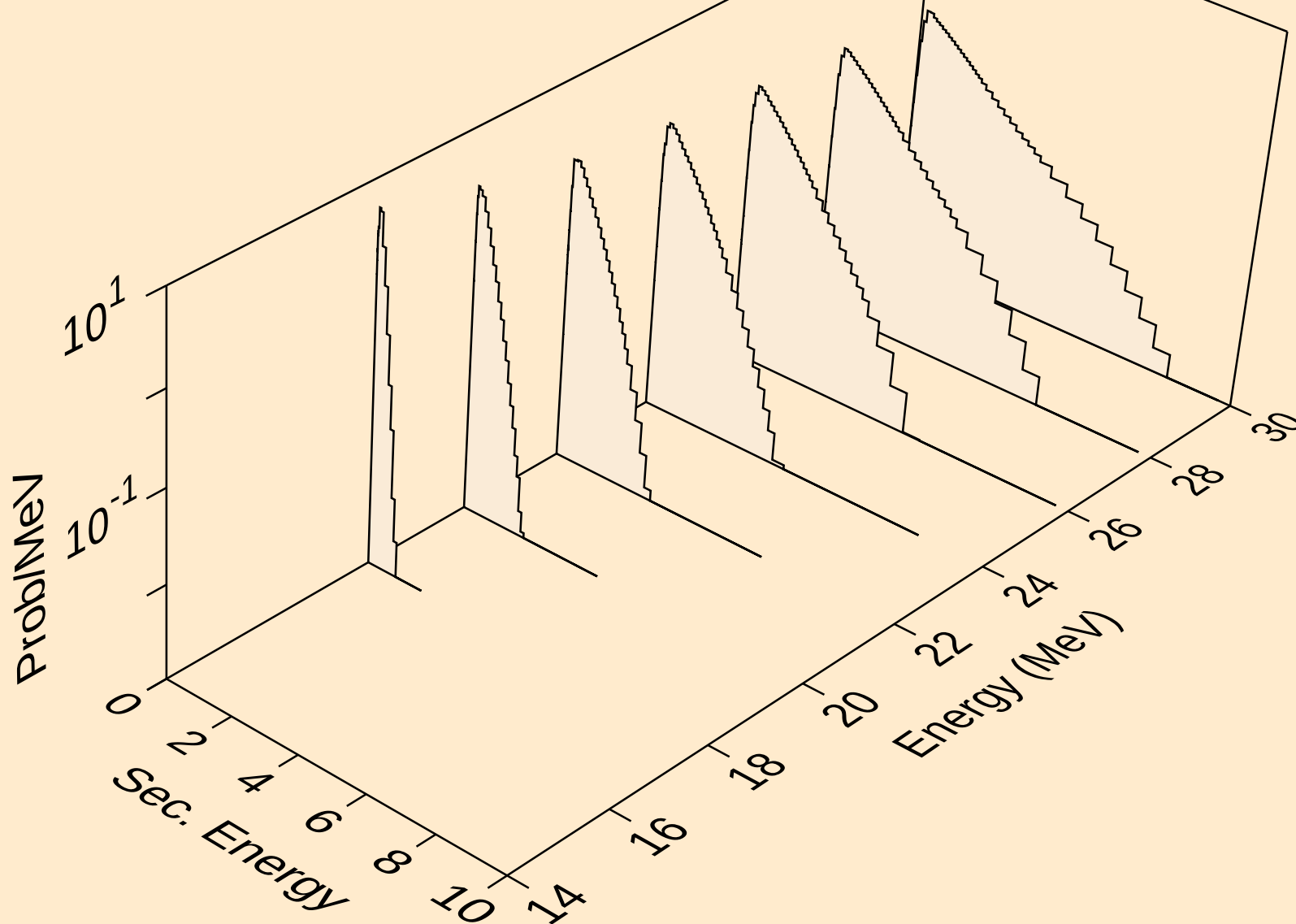
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



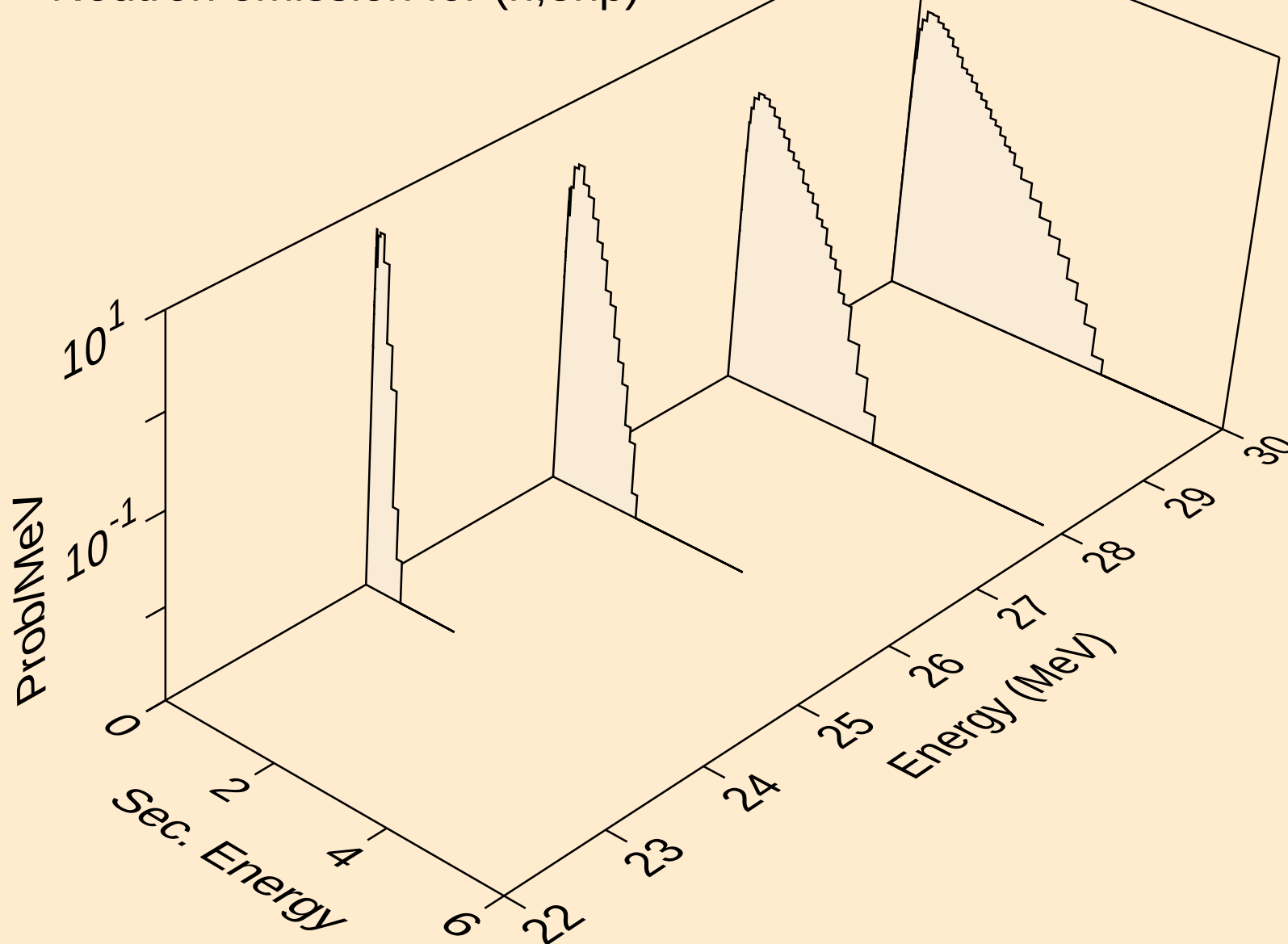
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



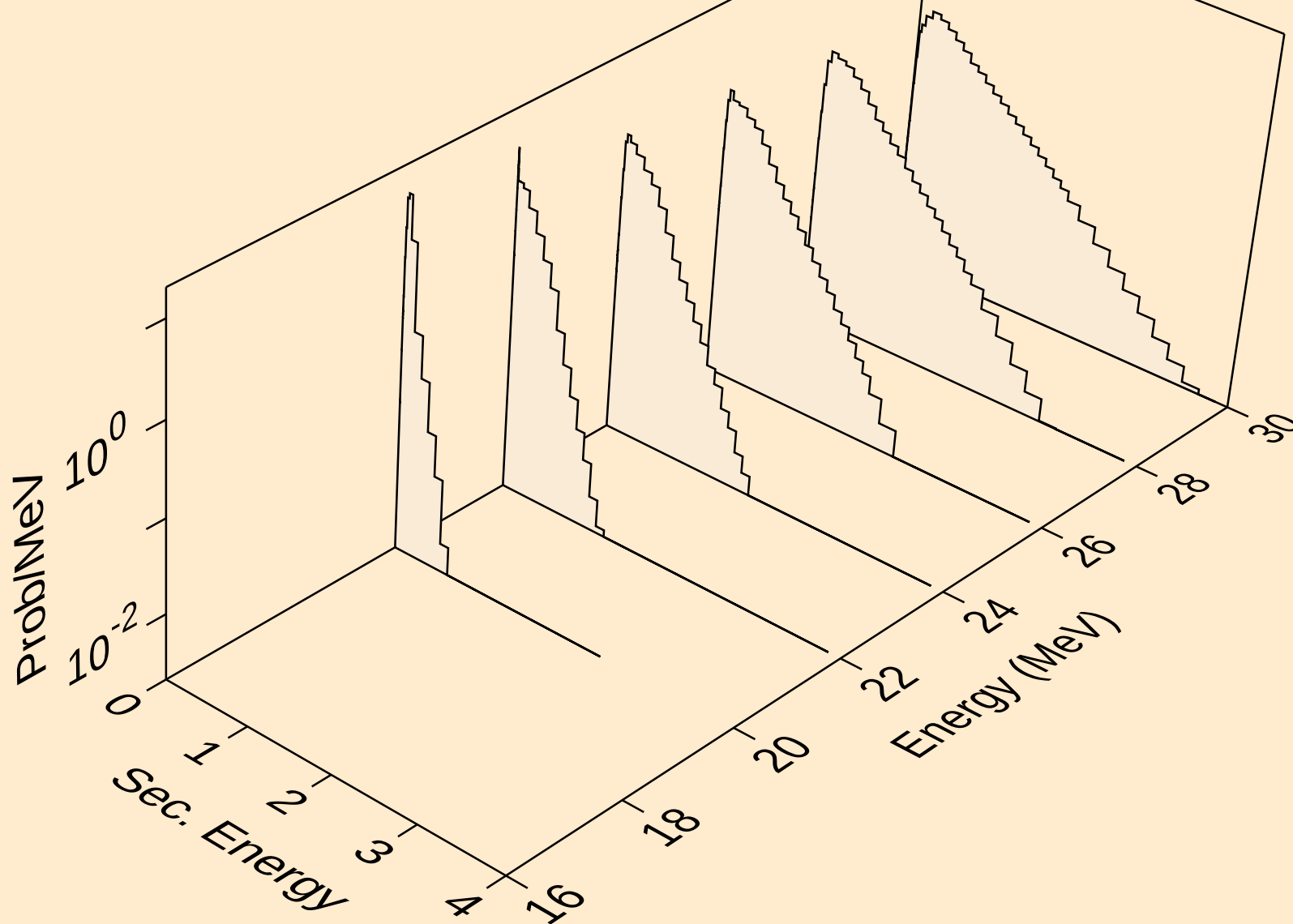
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



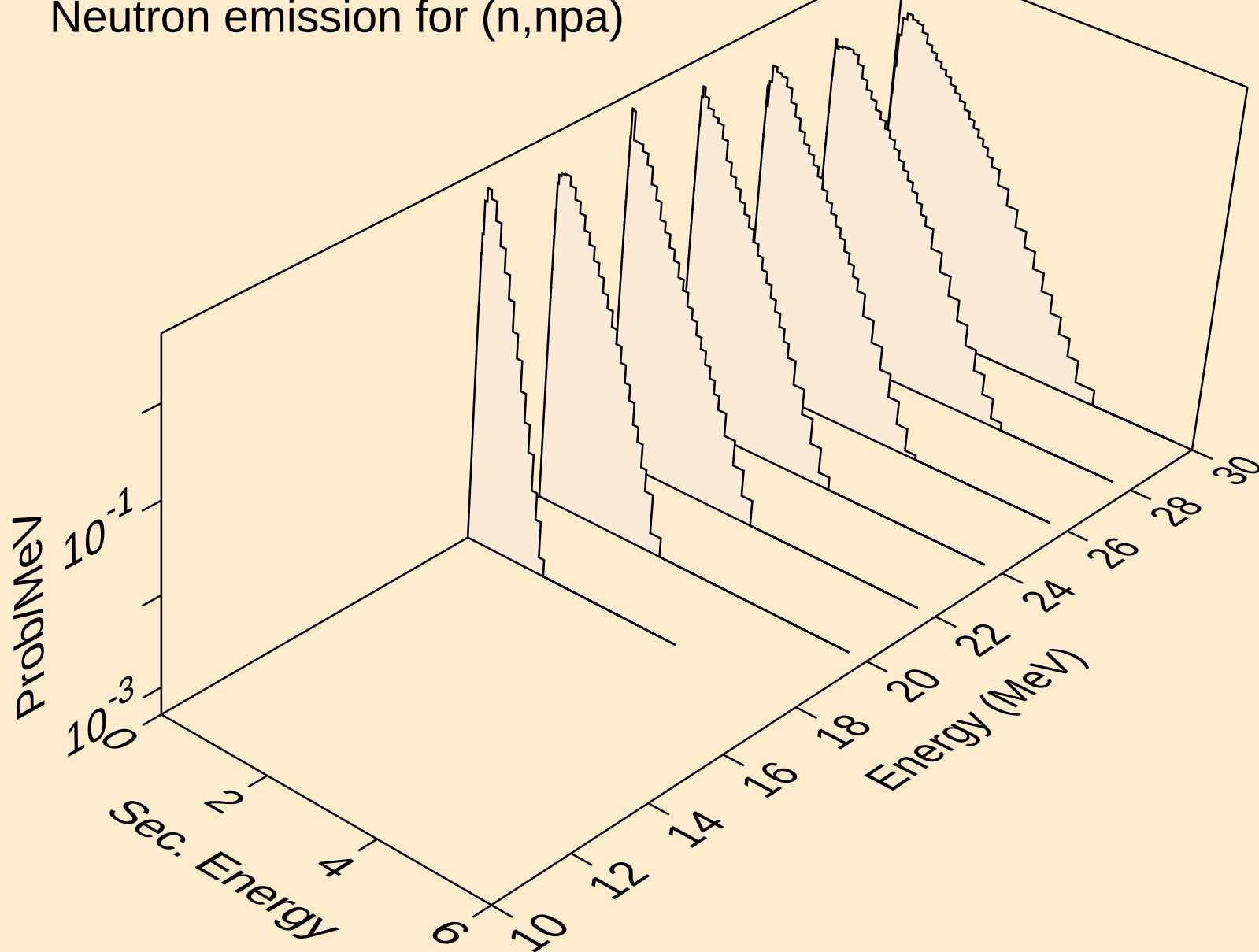
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)

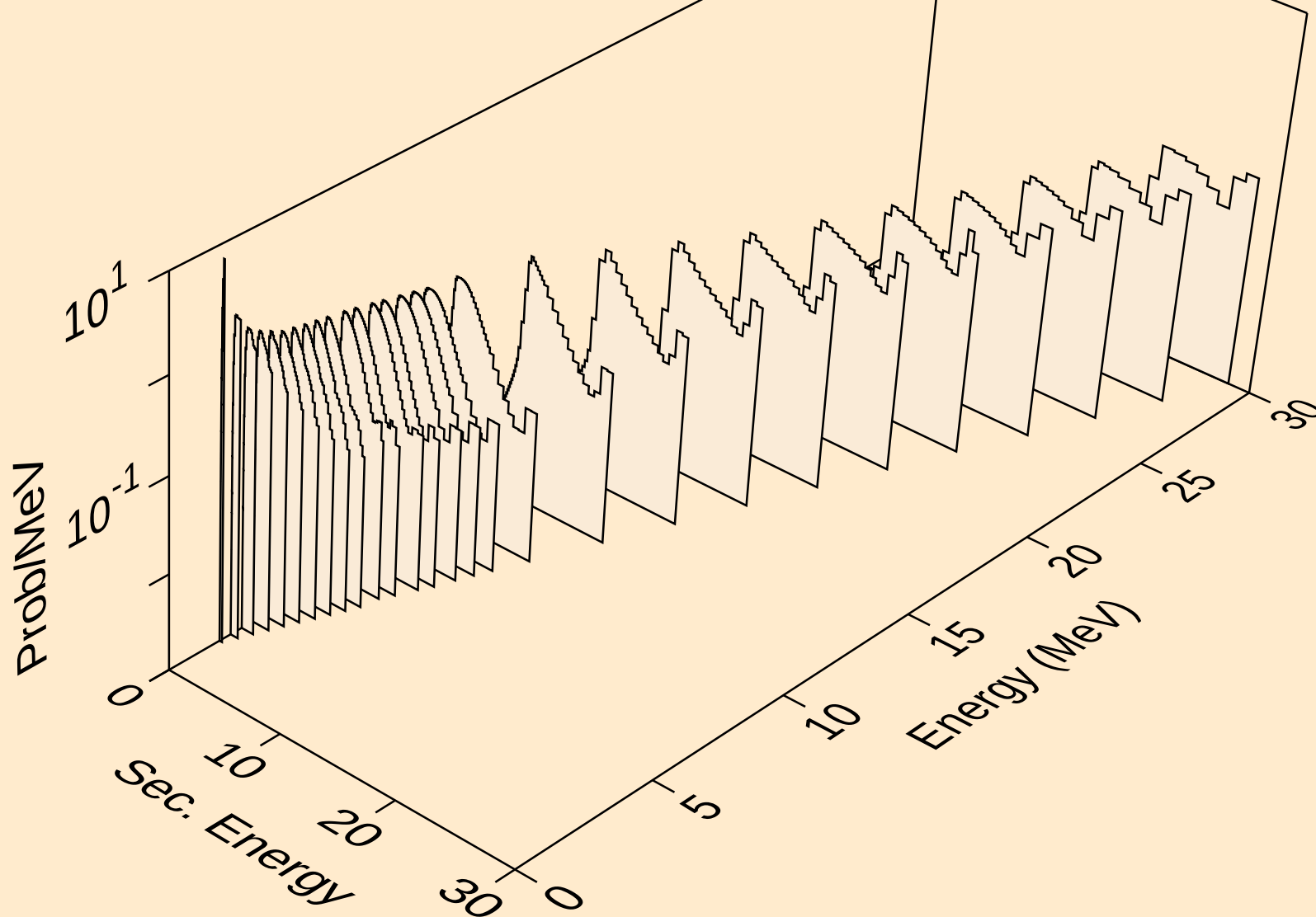


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

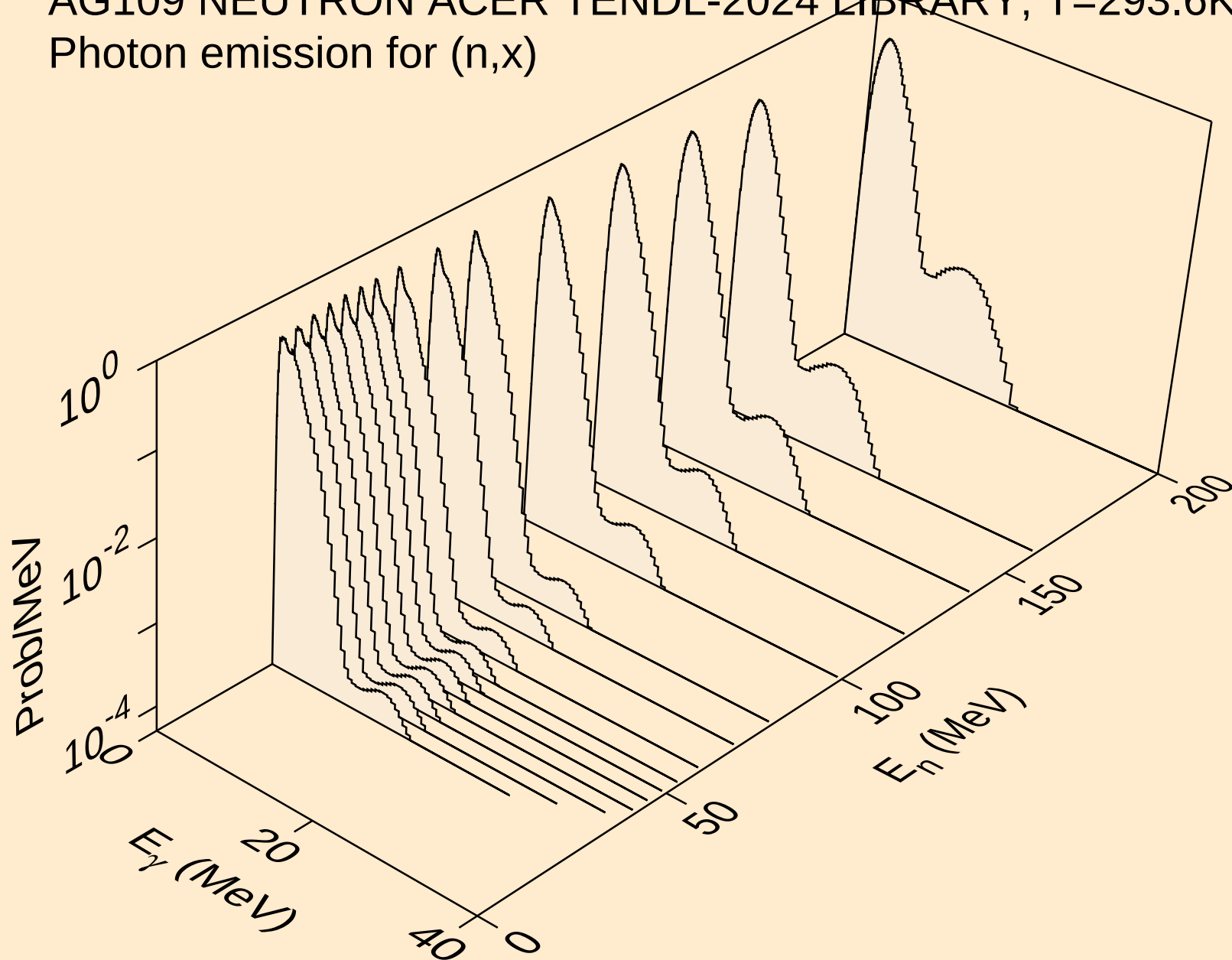




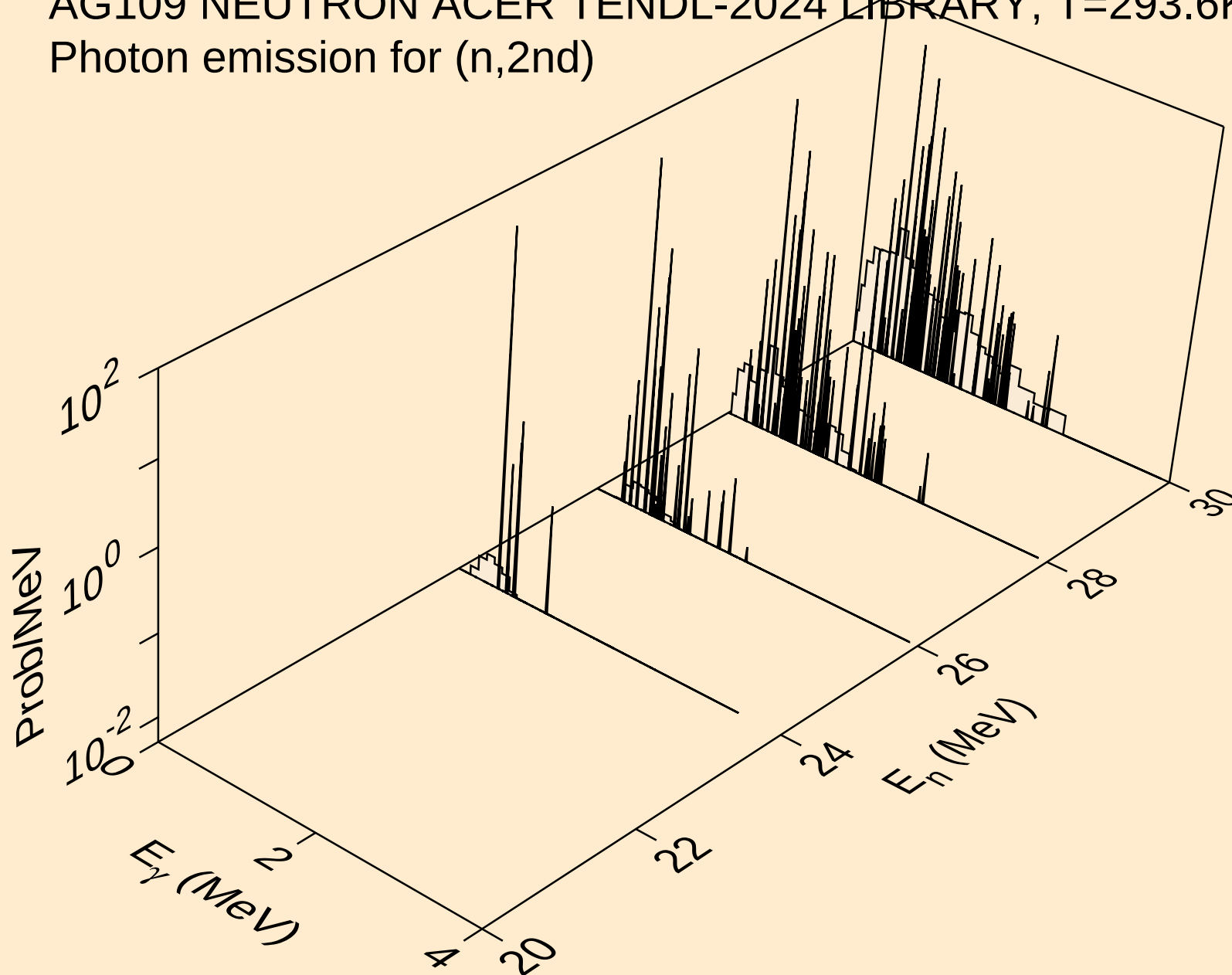
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



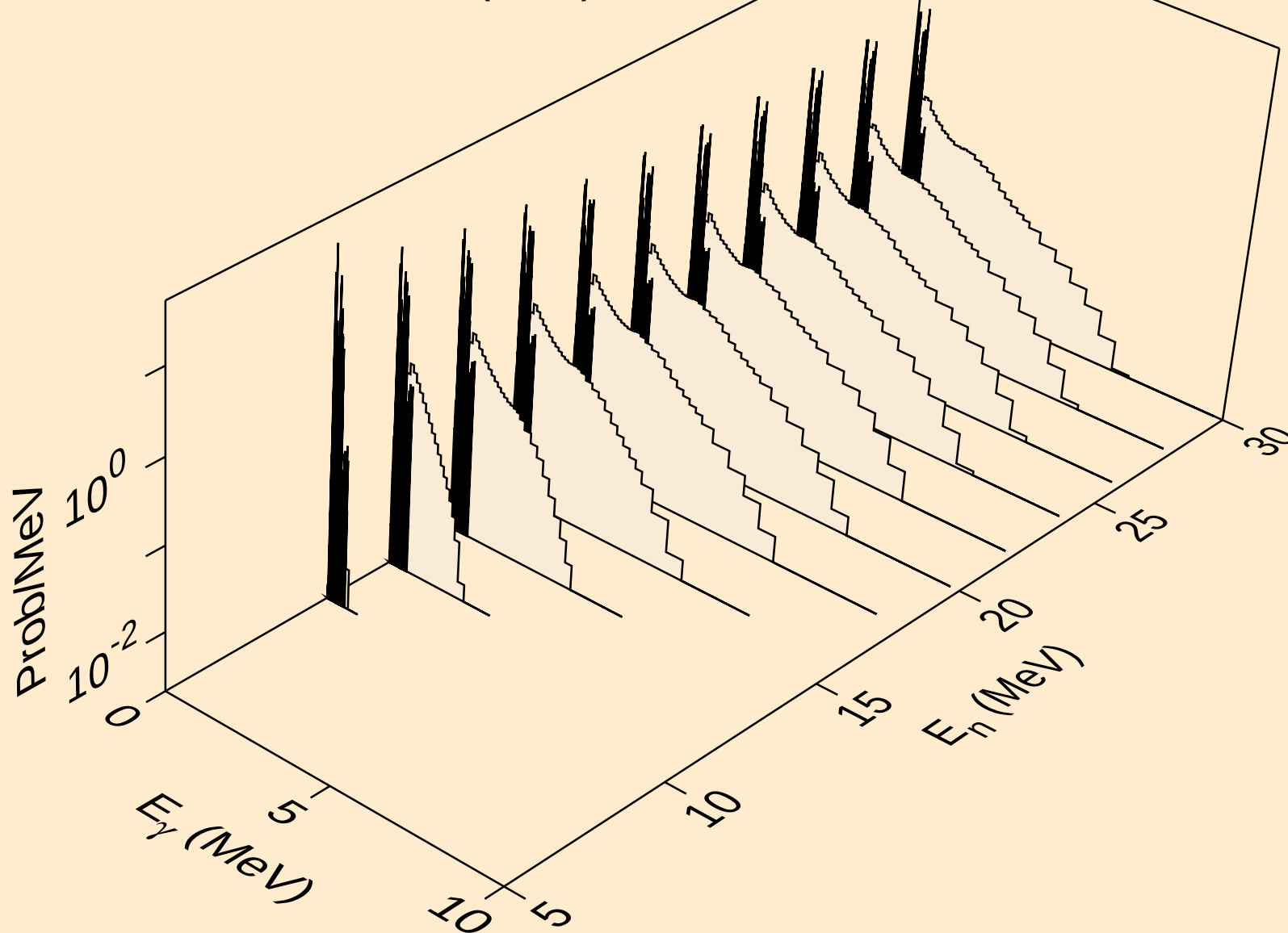
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



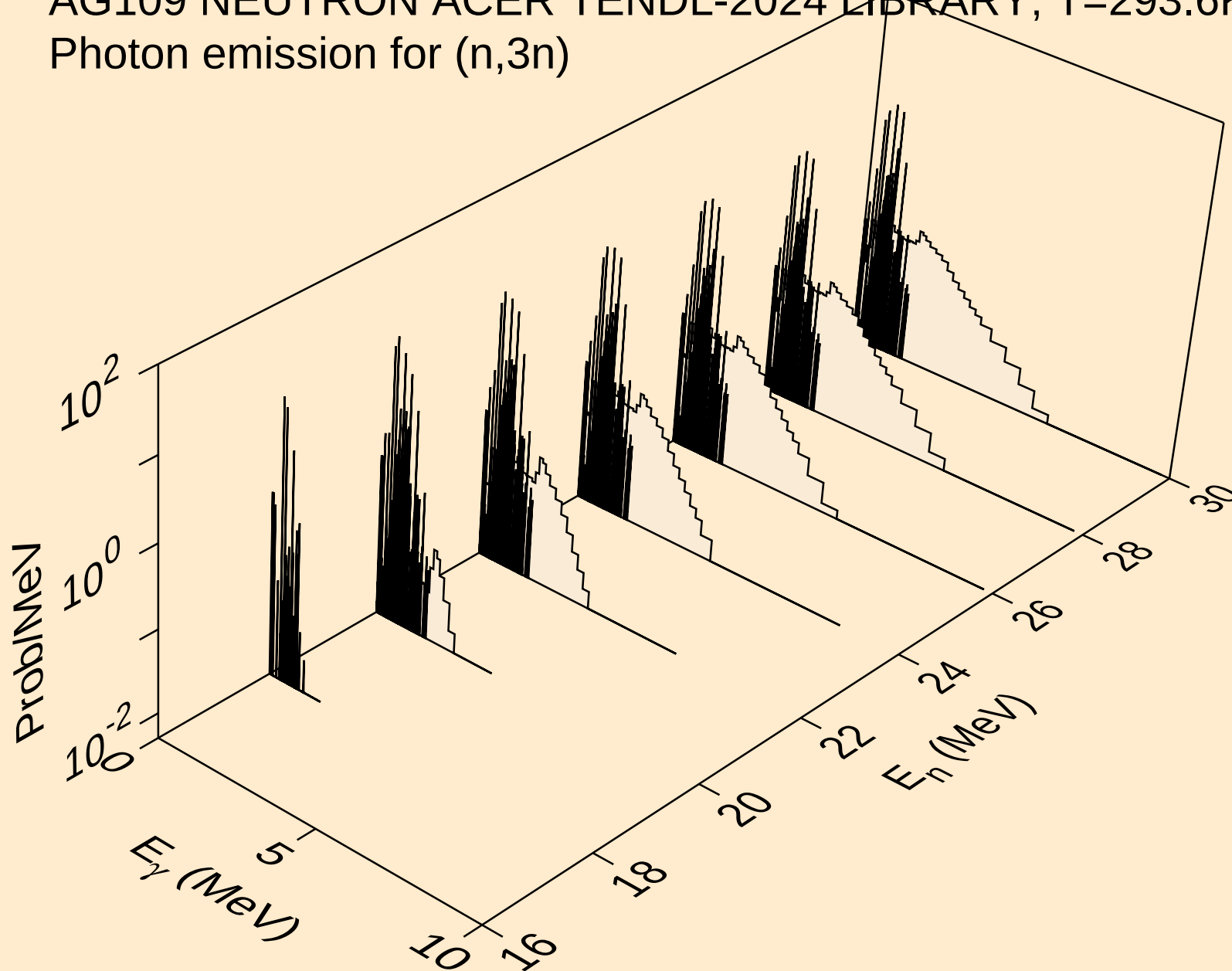
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



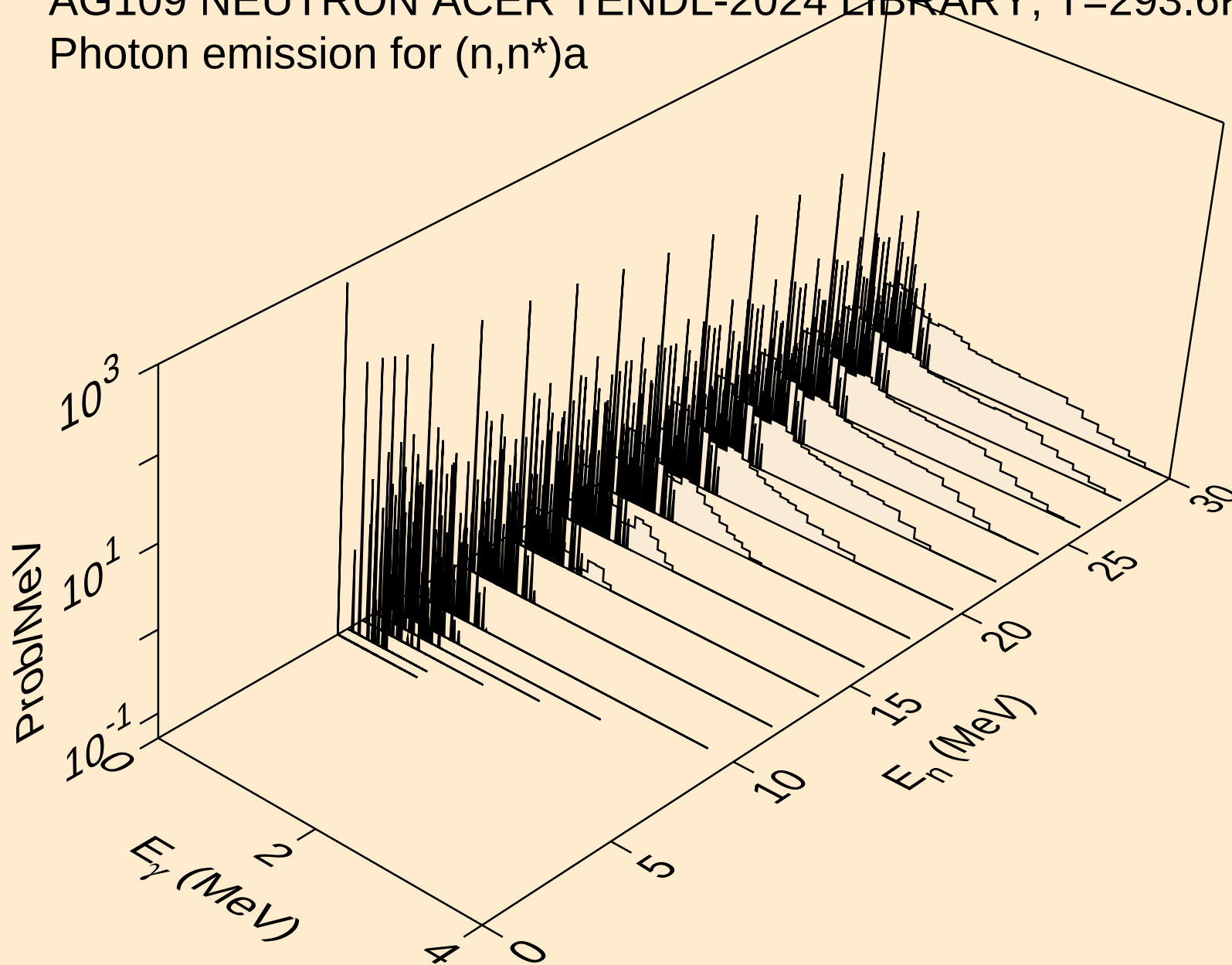
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Photon emission for (n,2n)



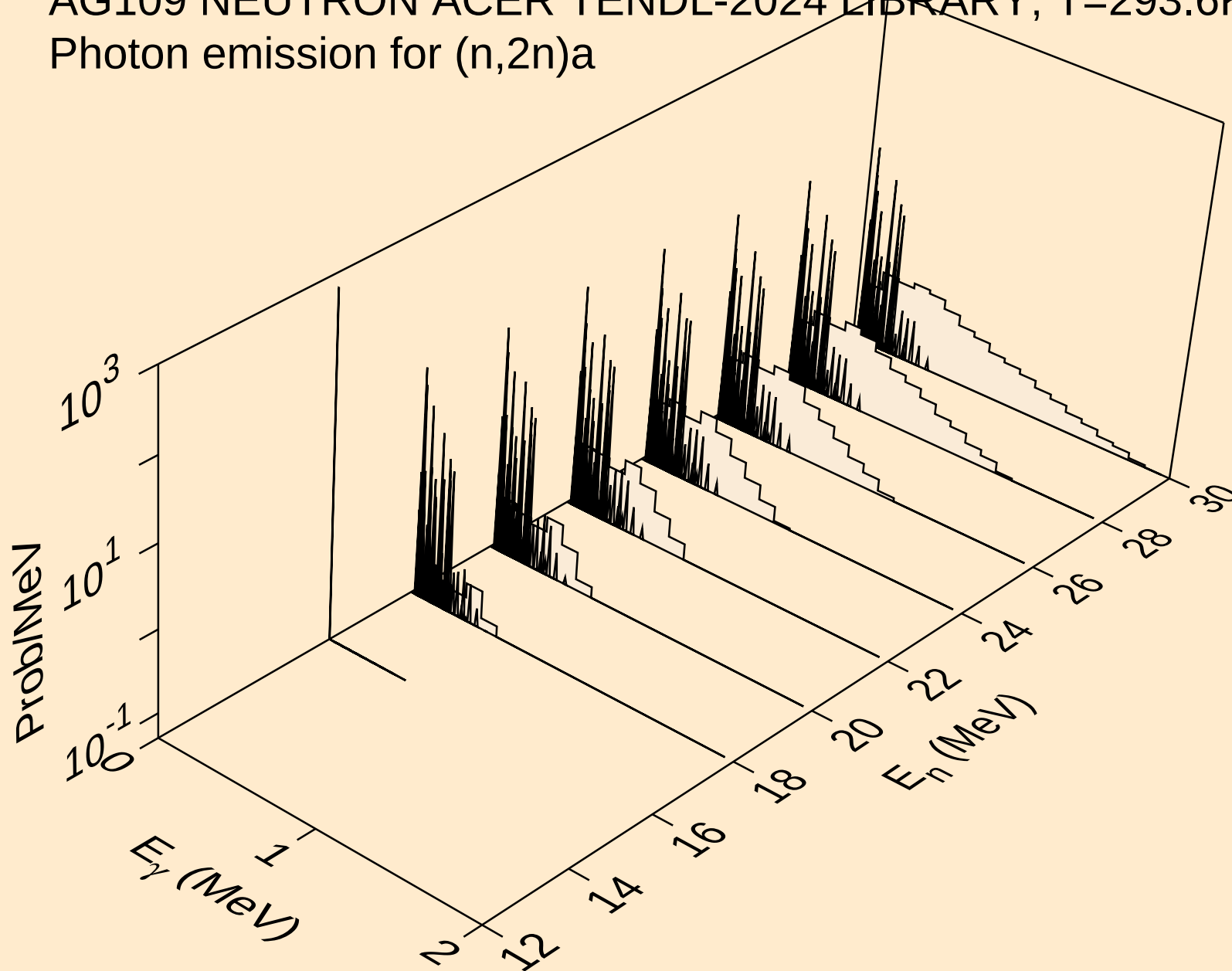
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Photon emission for (n,3n)



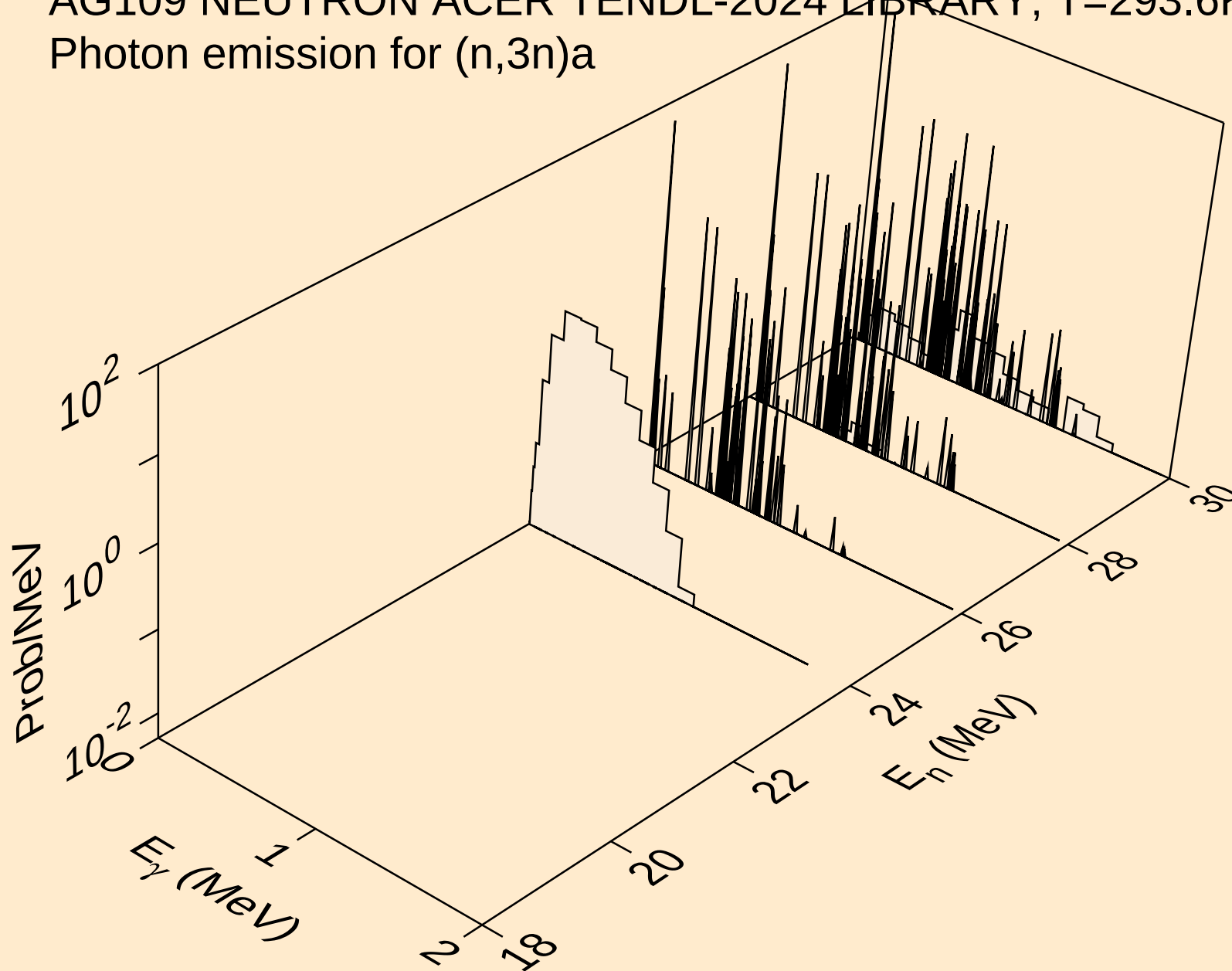
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

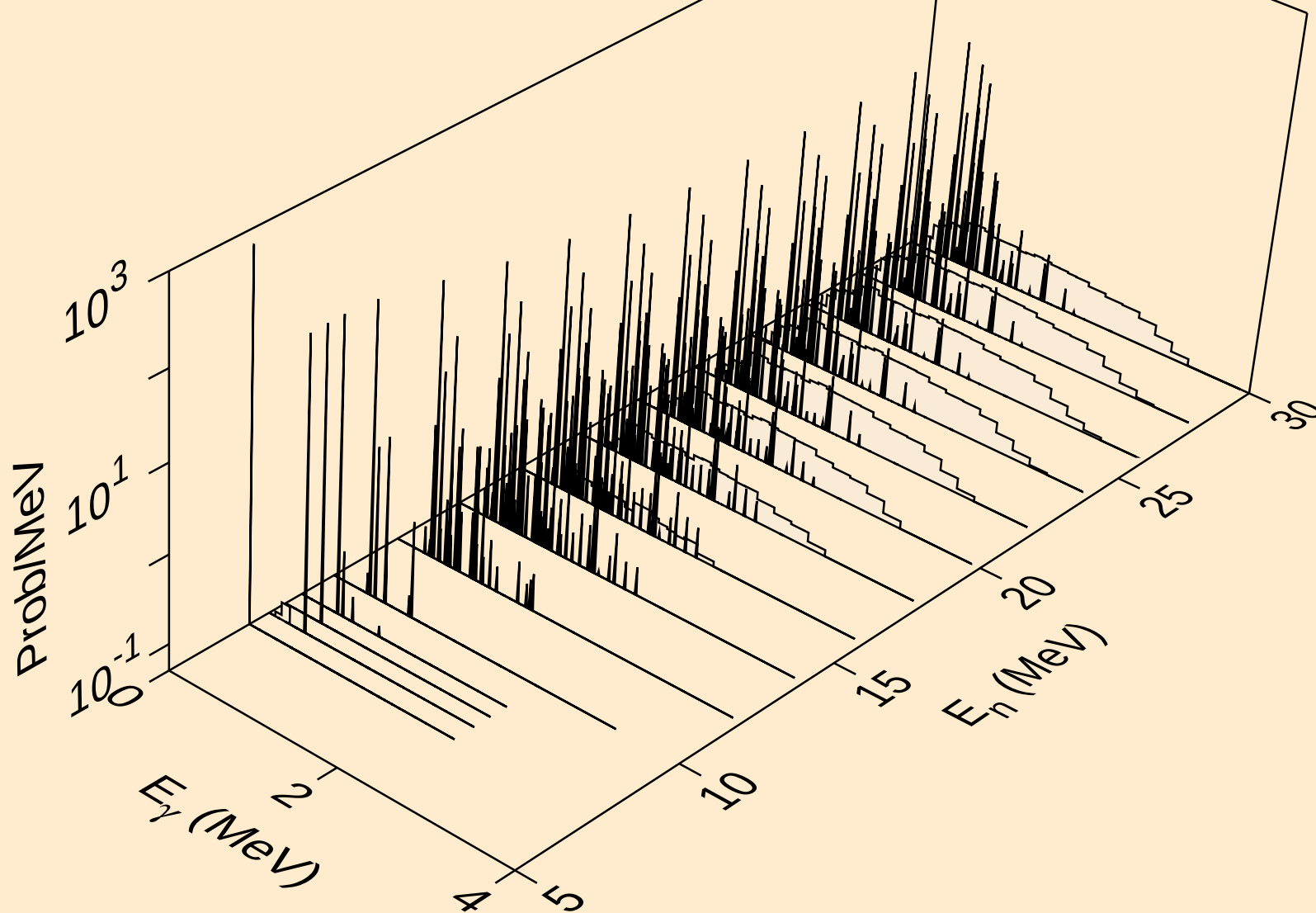


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

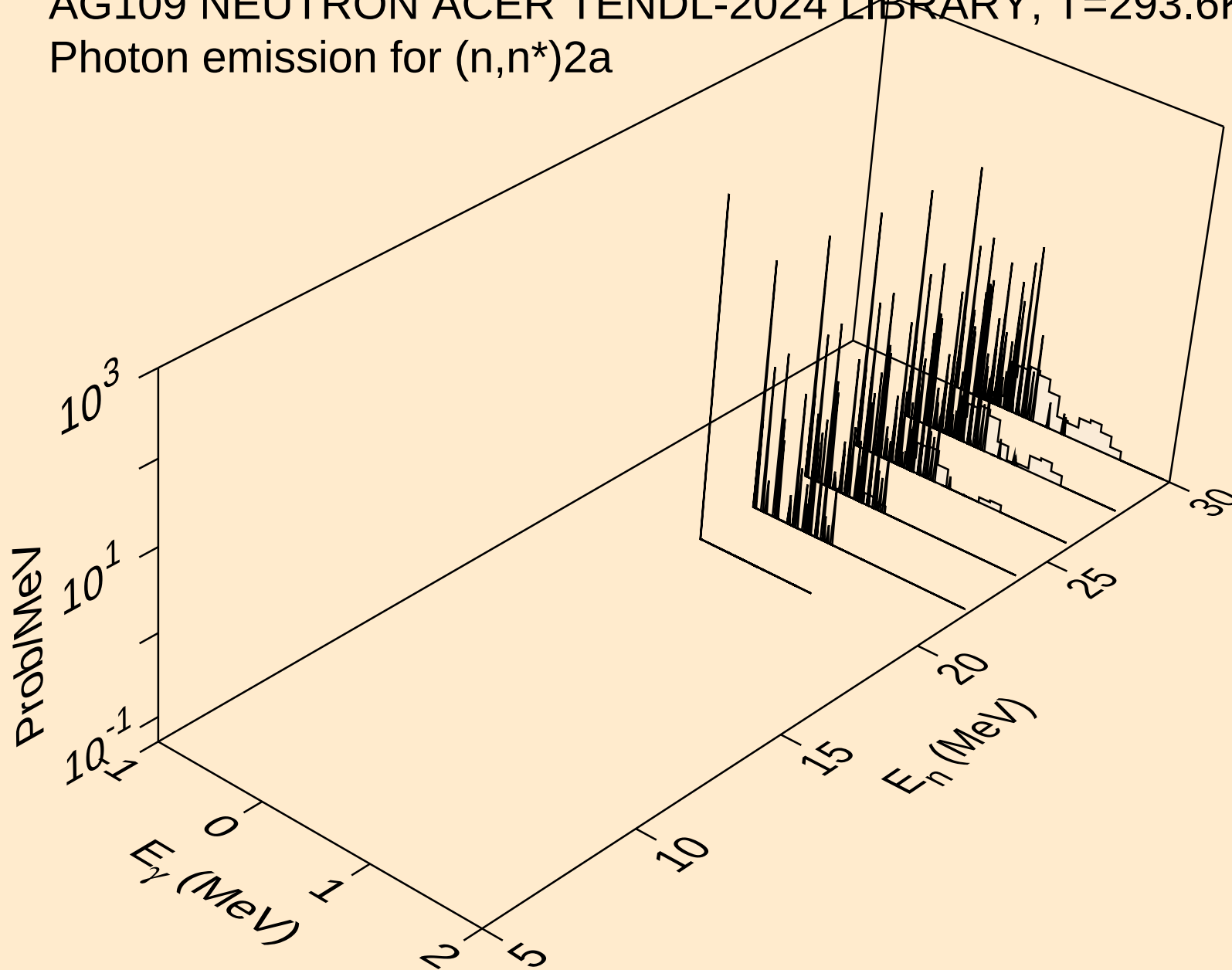




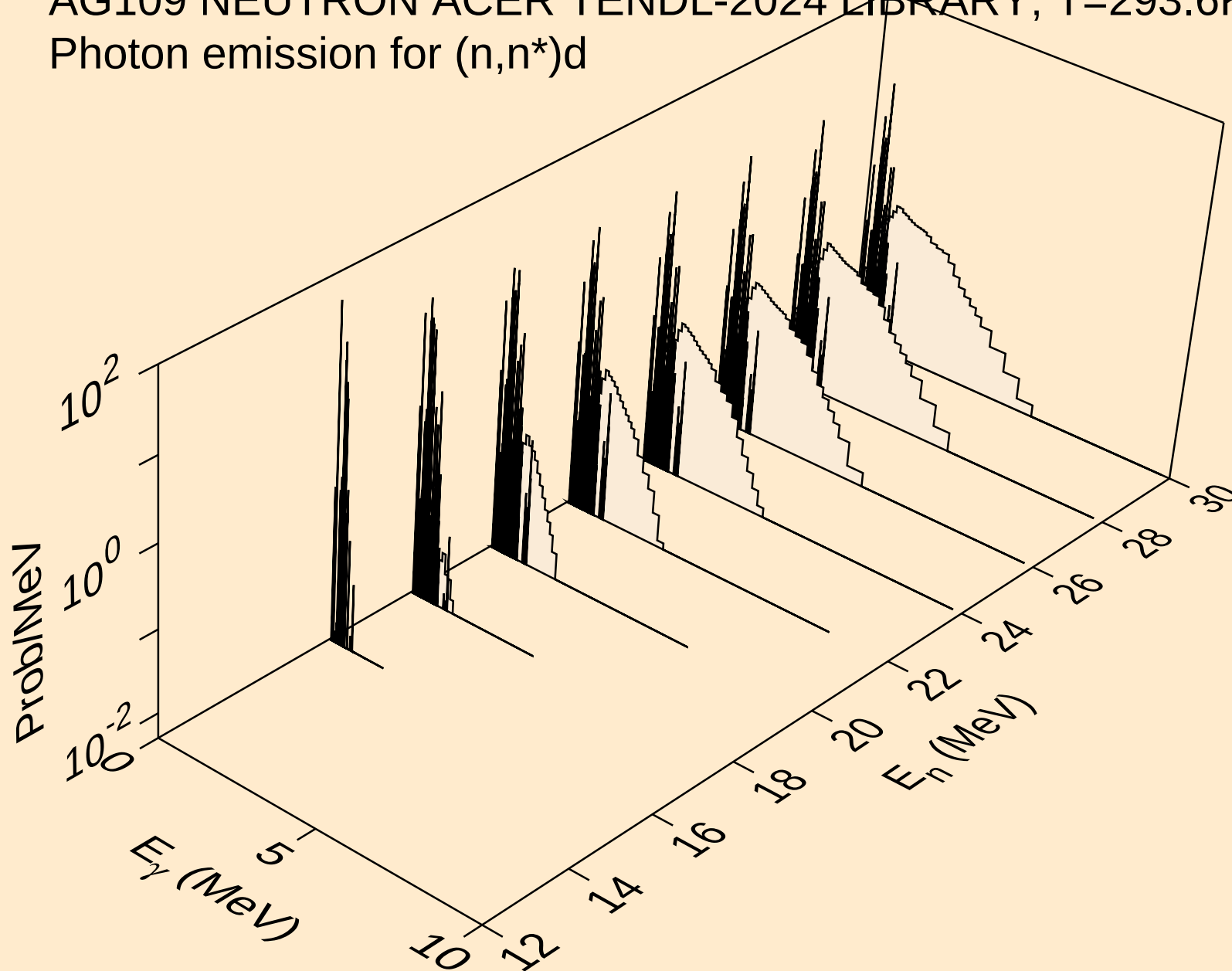
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



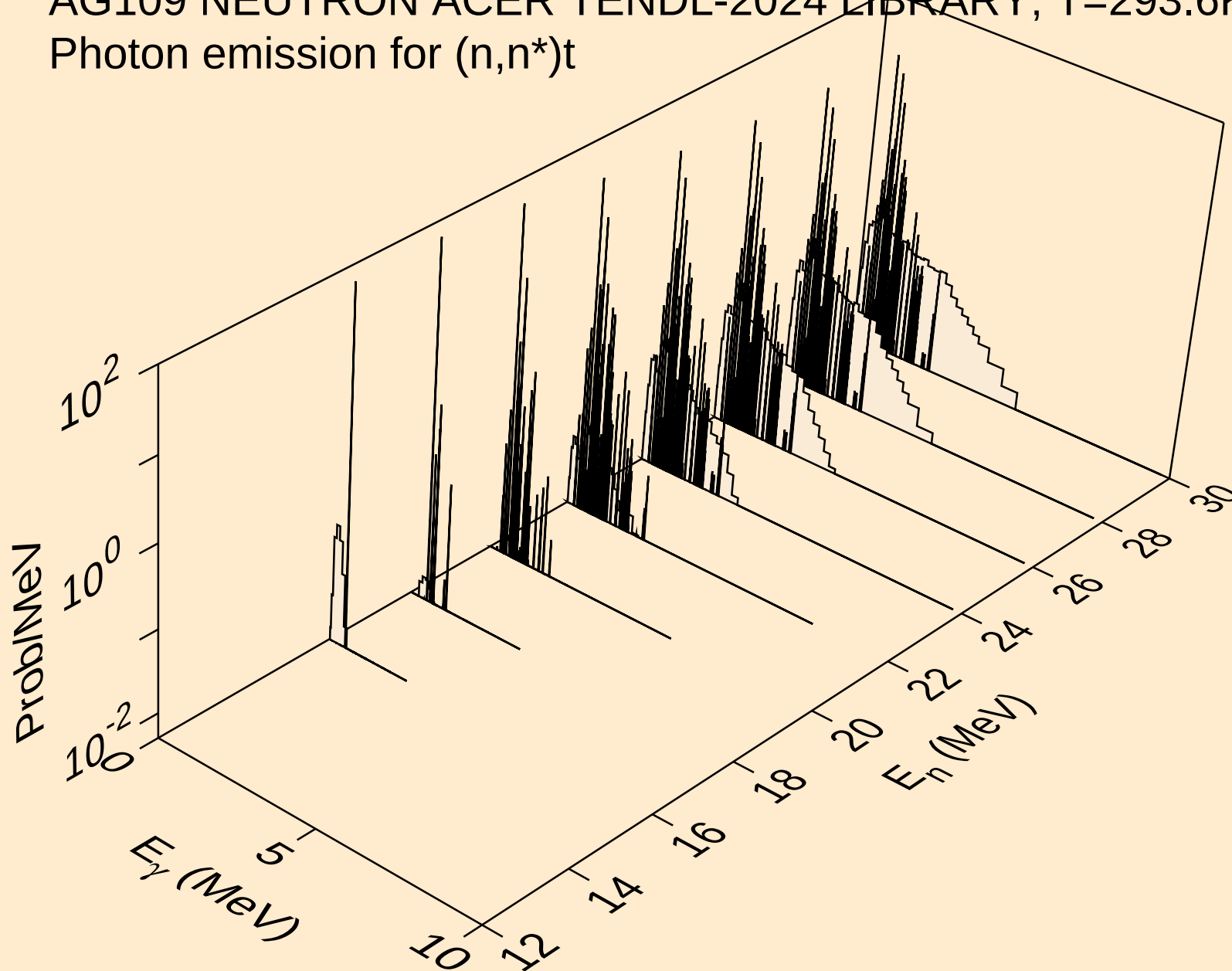
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



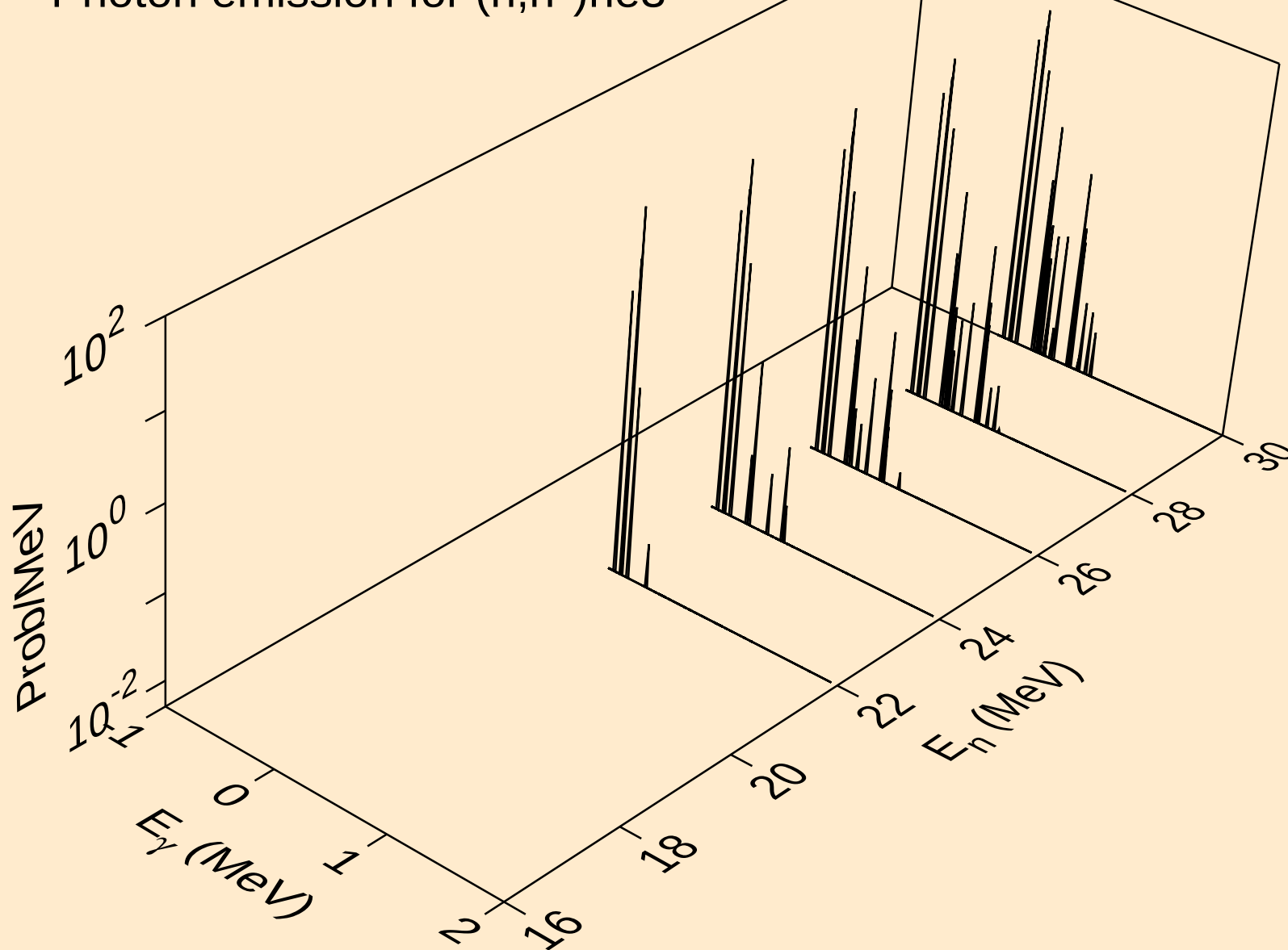
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



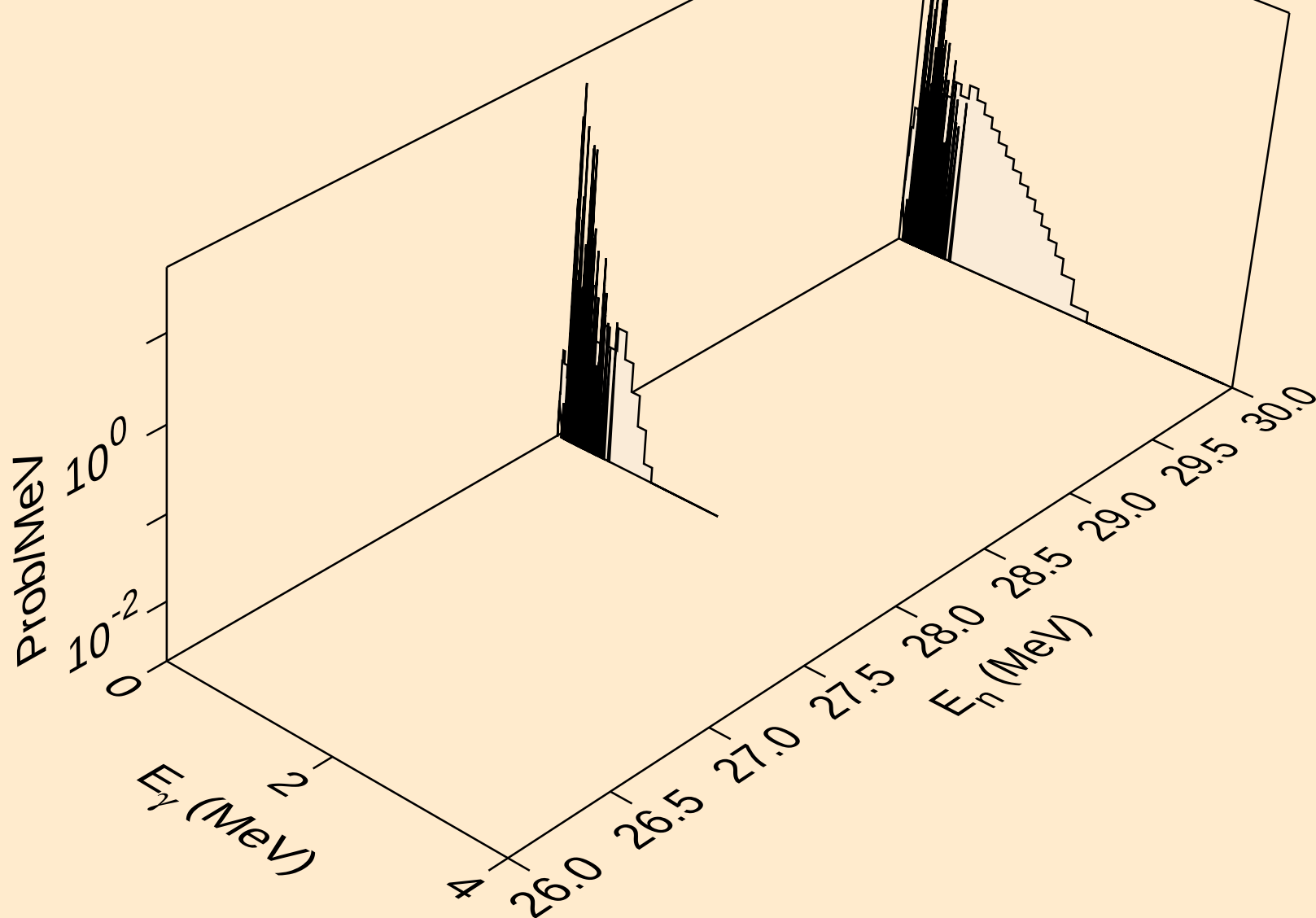
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



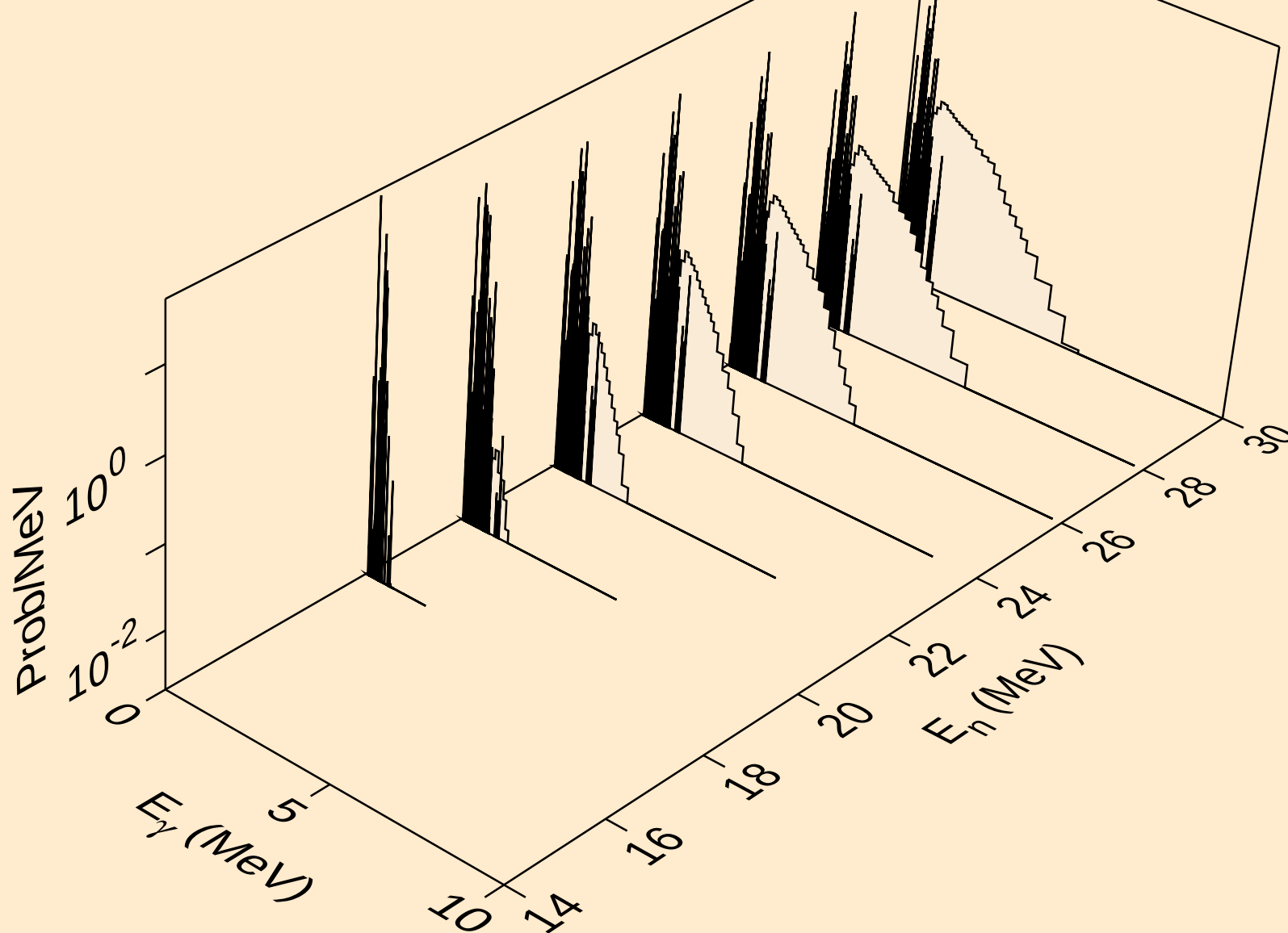
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



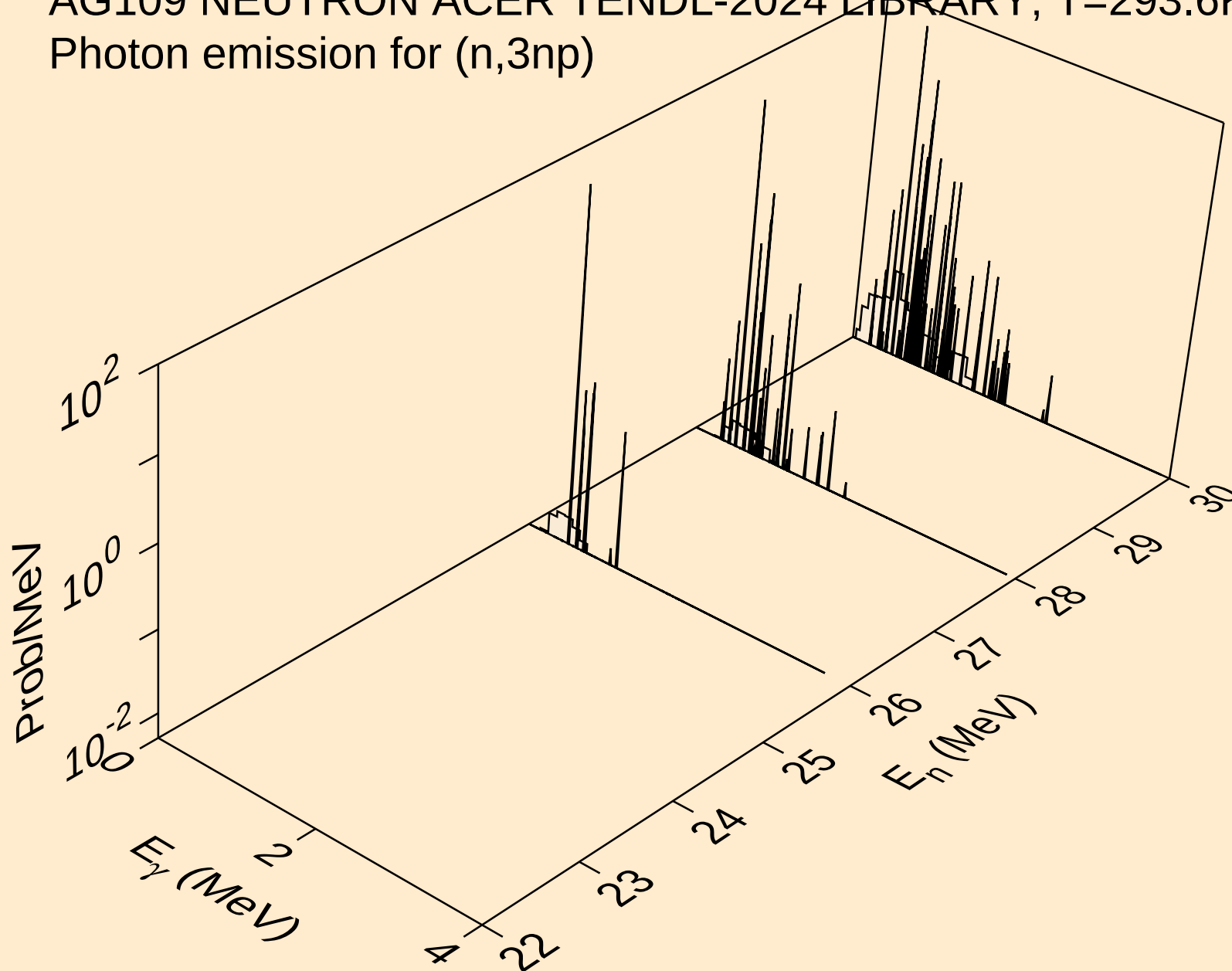
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)

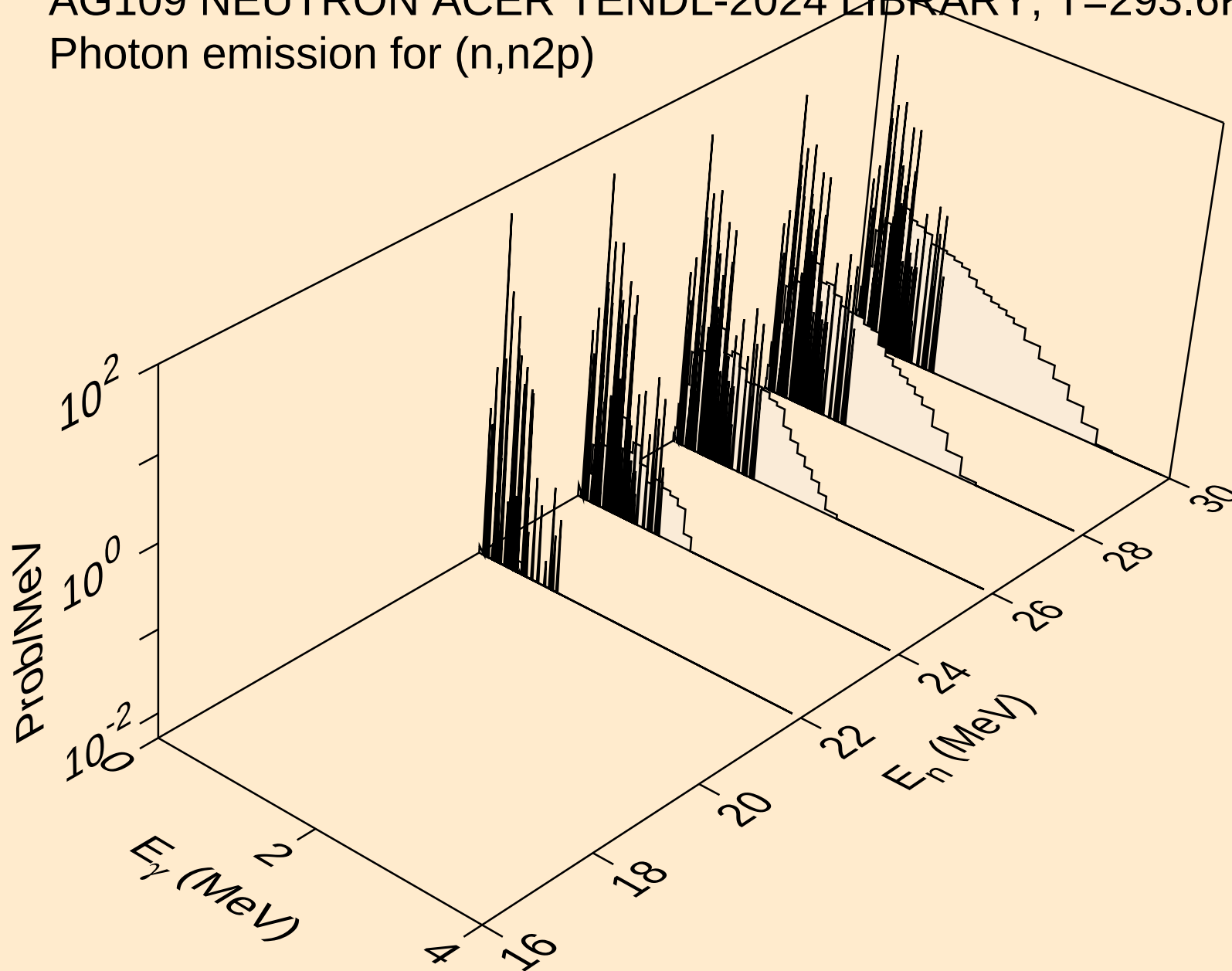


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Photon emission for (n,3np)

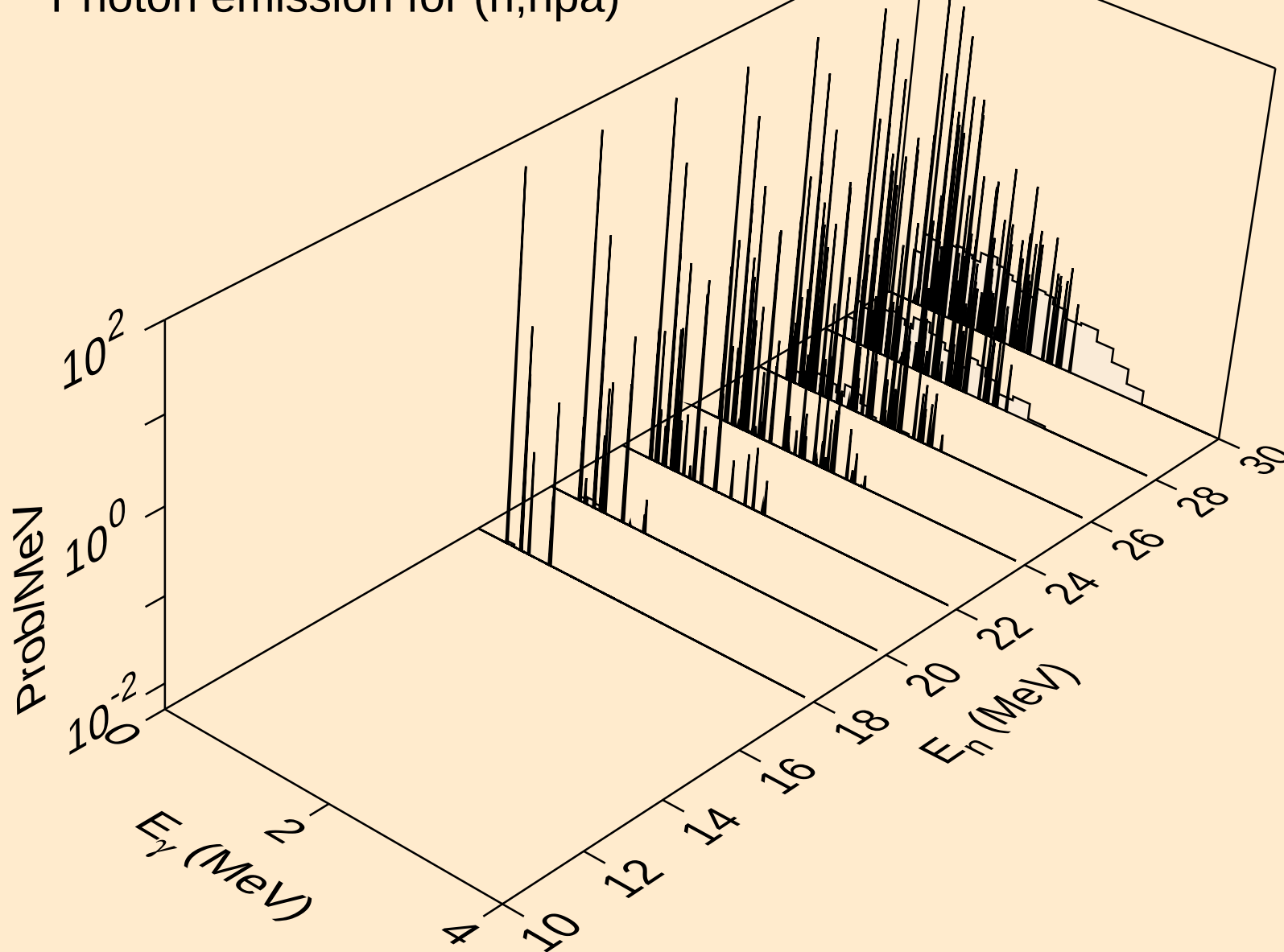




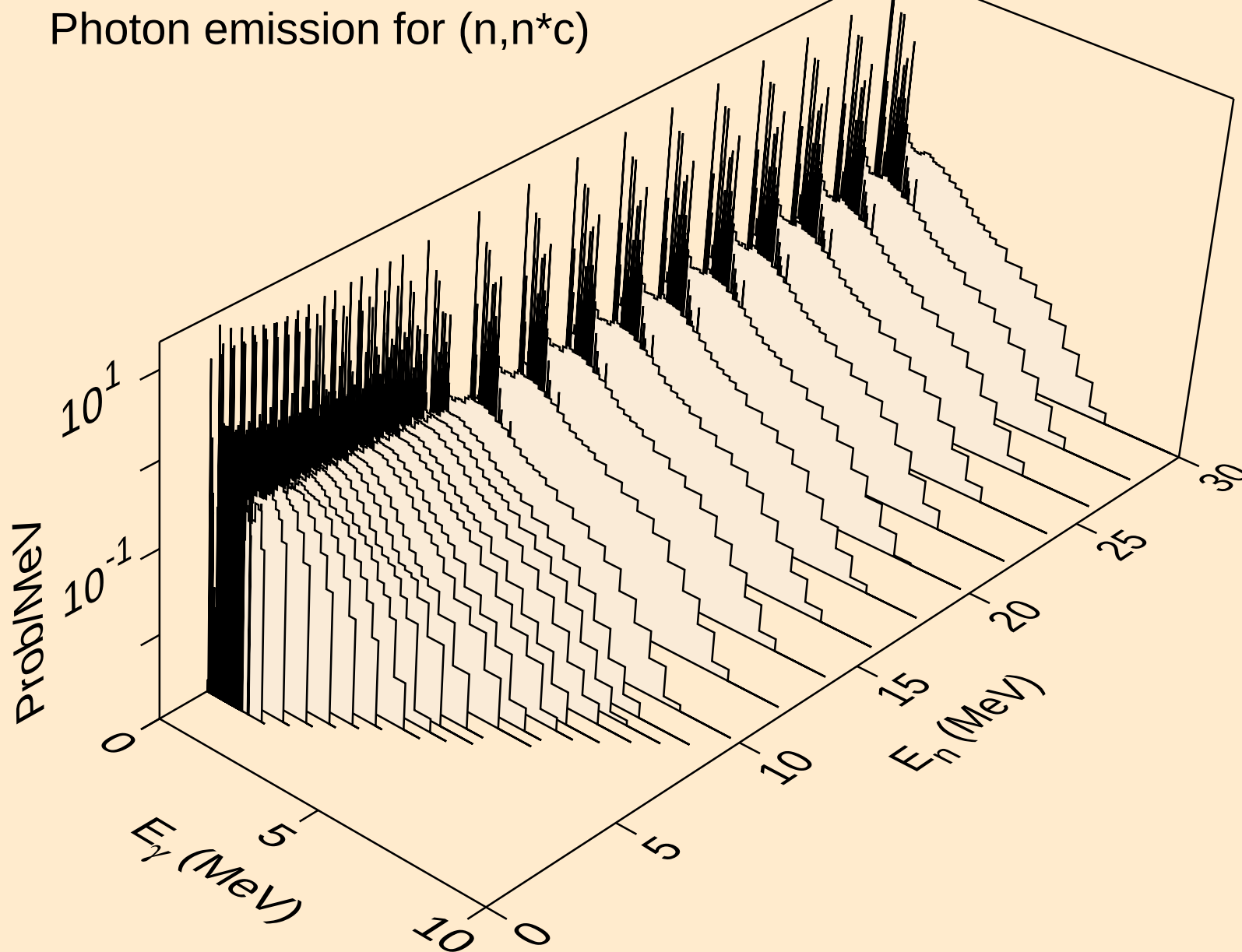
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Photon emission for (n,n2p)



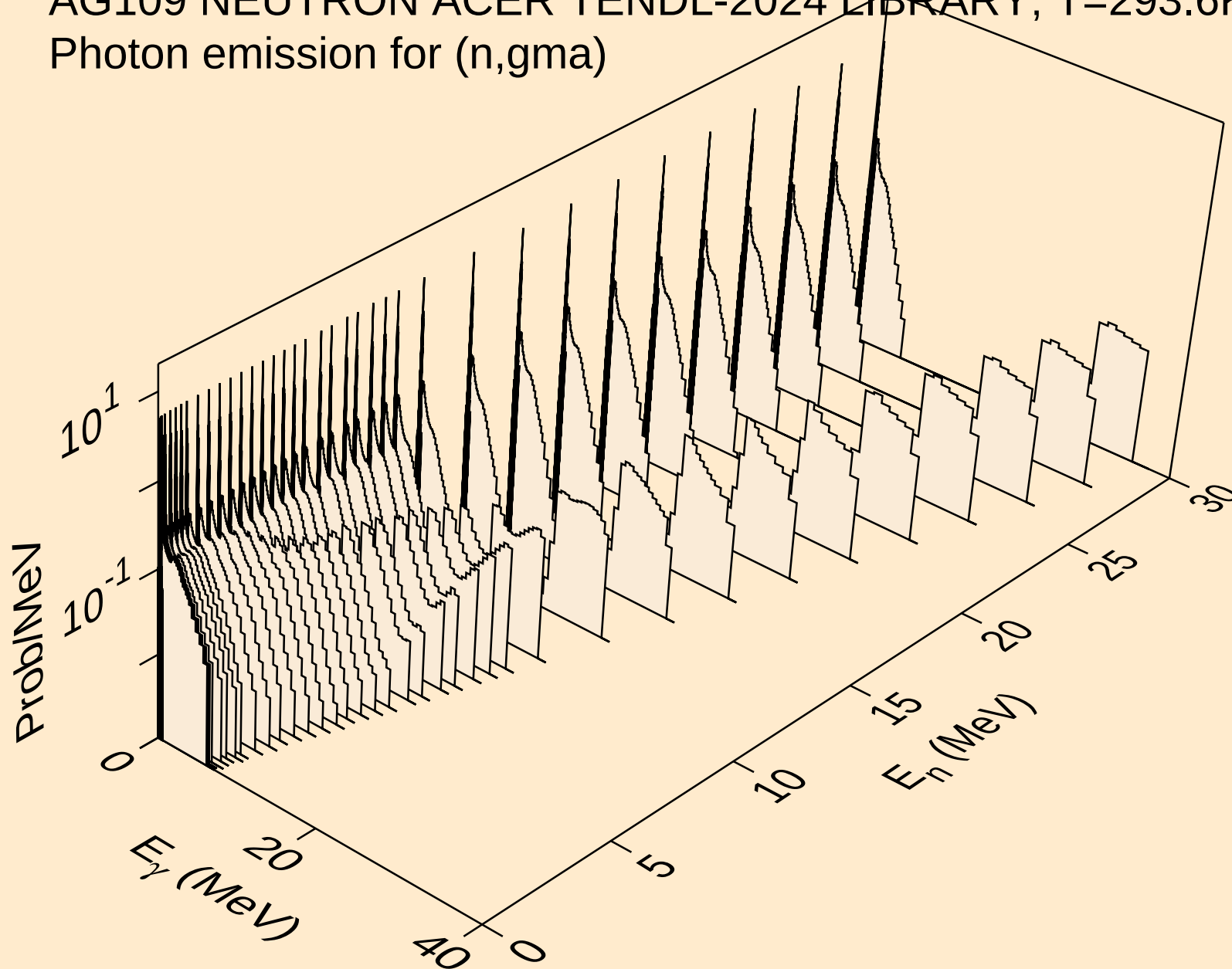
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Photon emission for (n,npa)



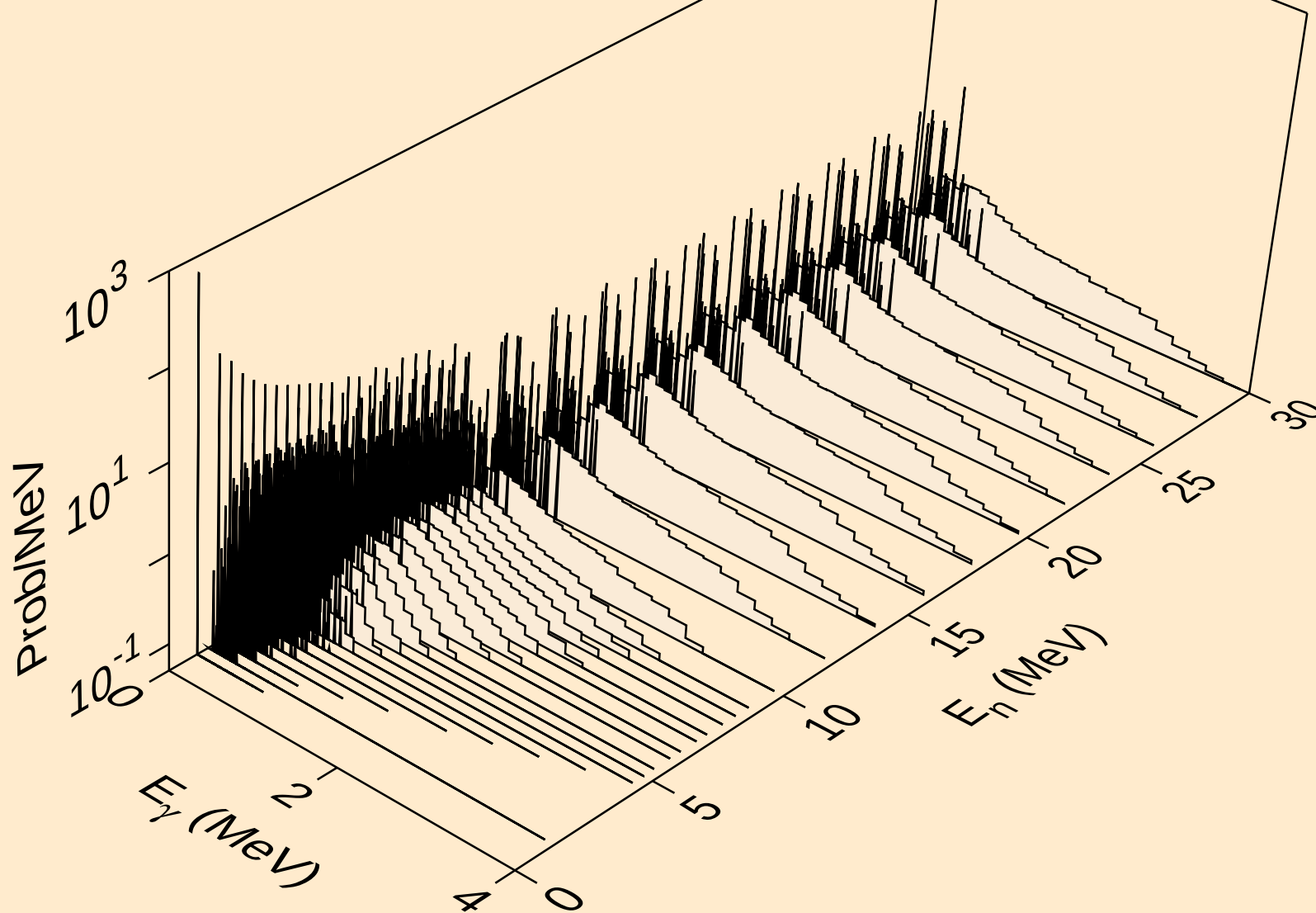
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Photon emission for (n,n\*c)



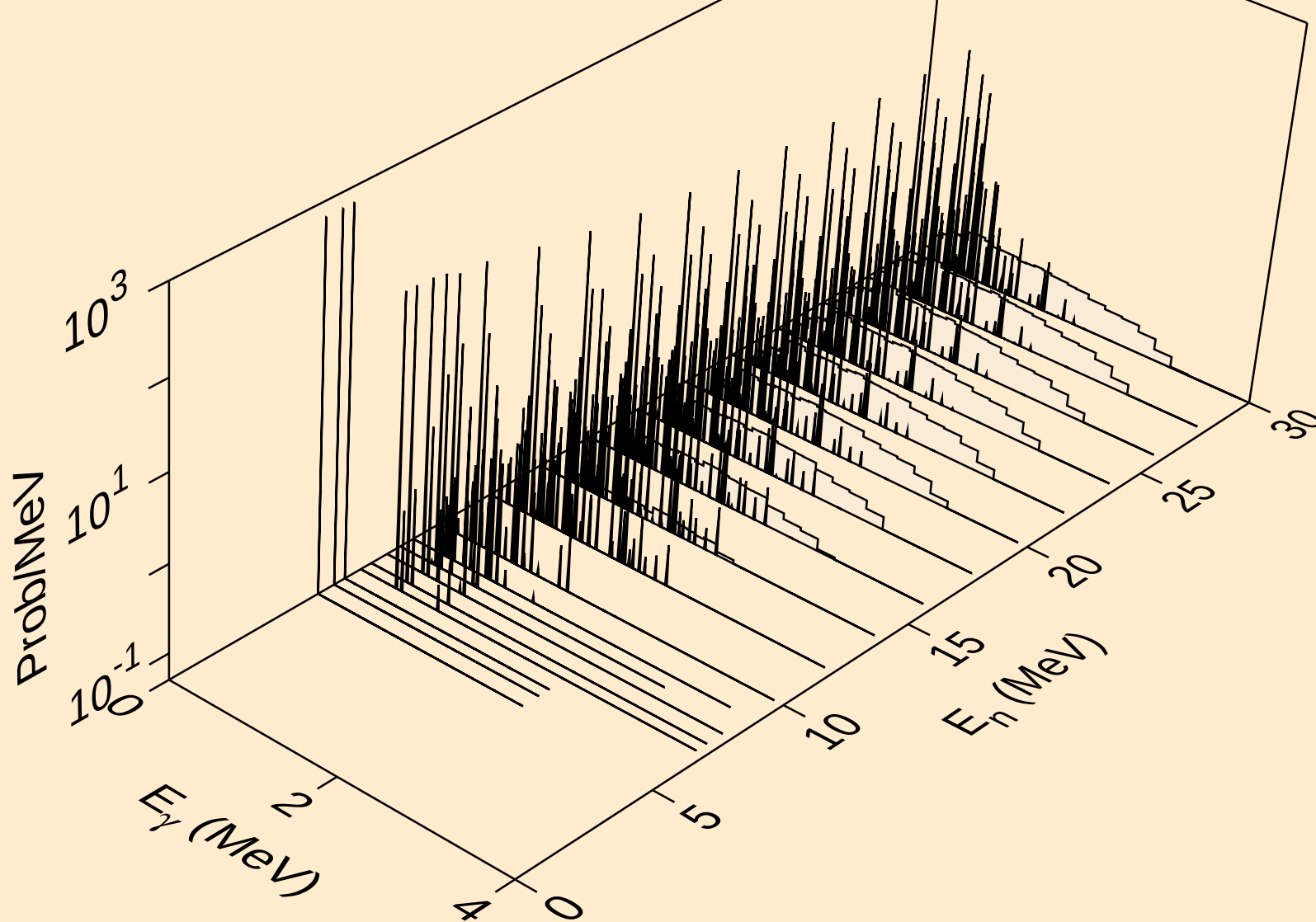
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Photon emission for (n,gma)



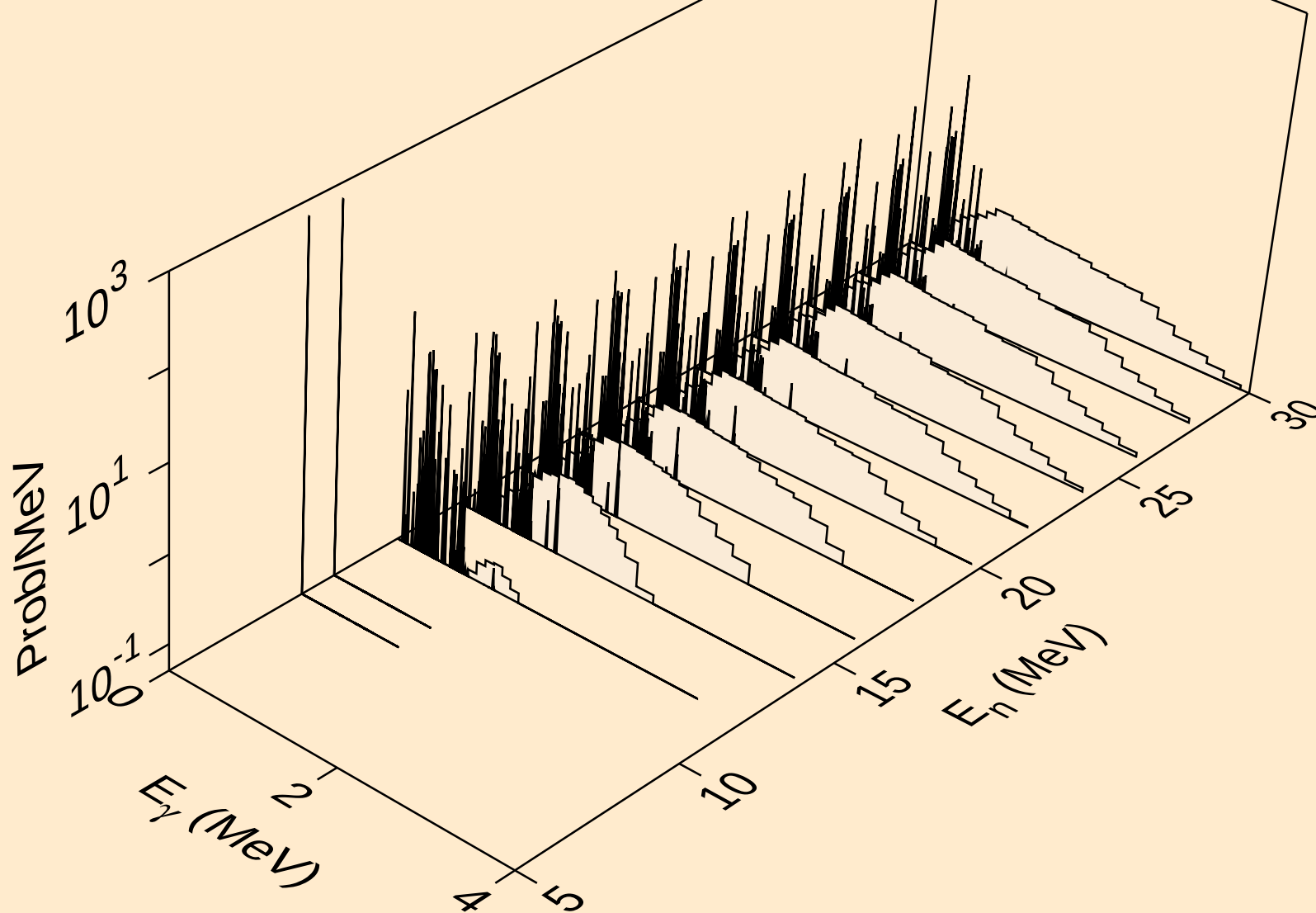
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Photon emission for (n,p)



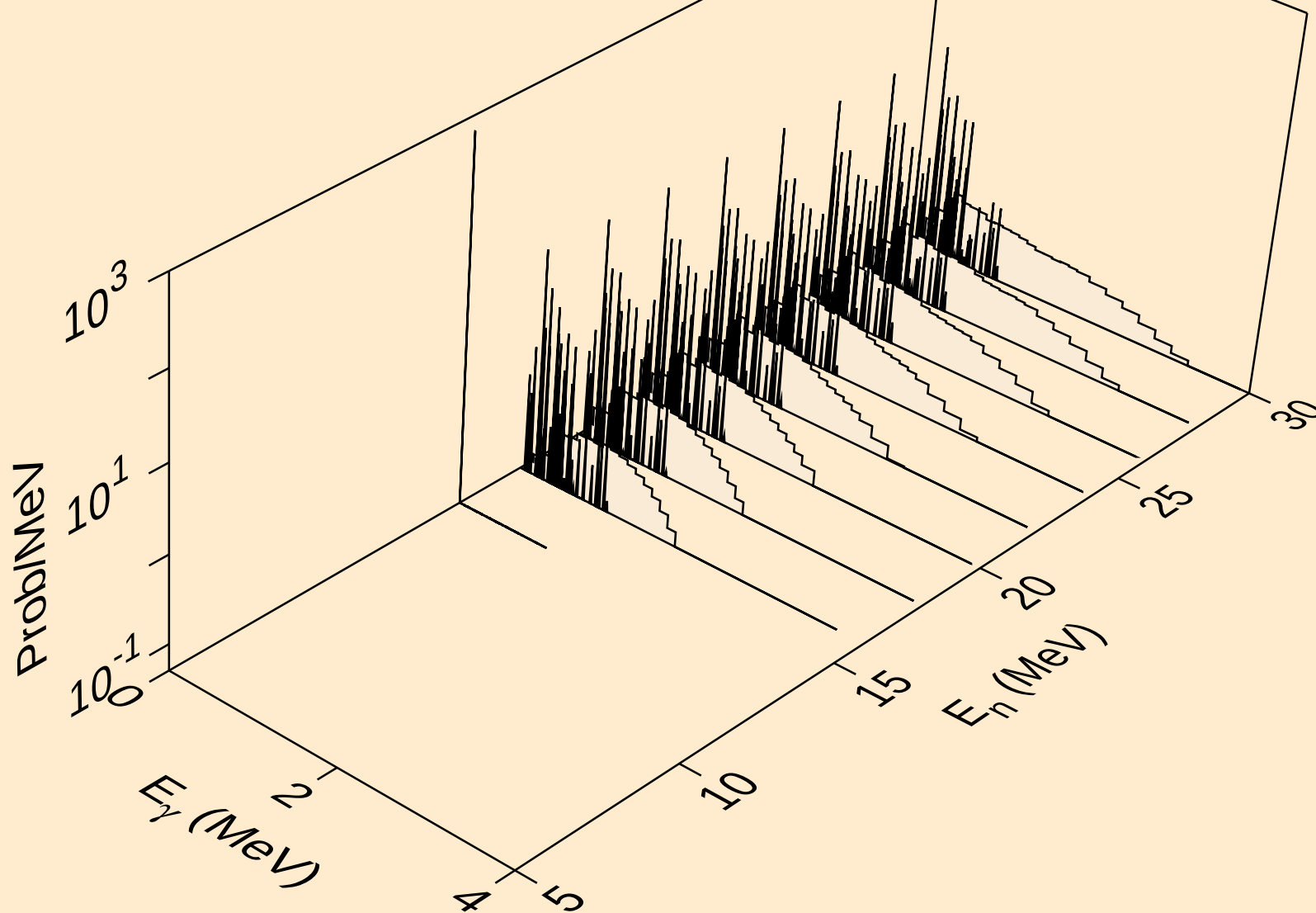
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)

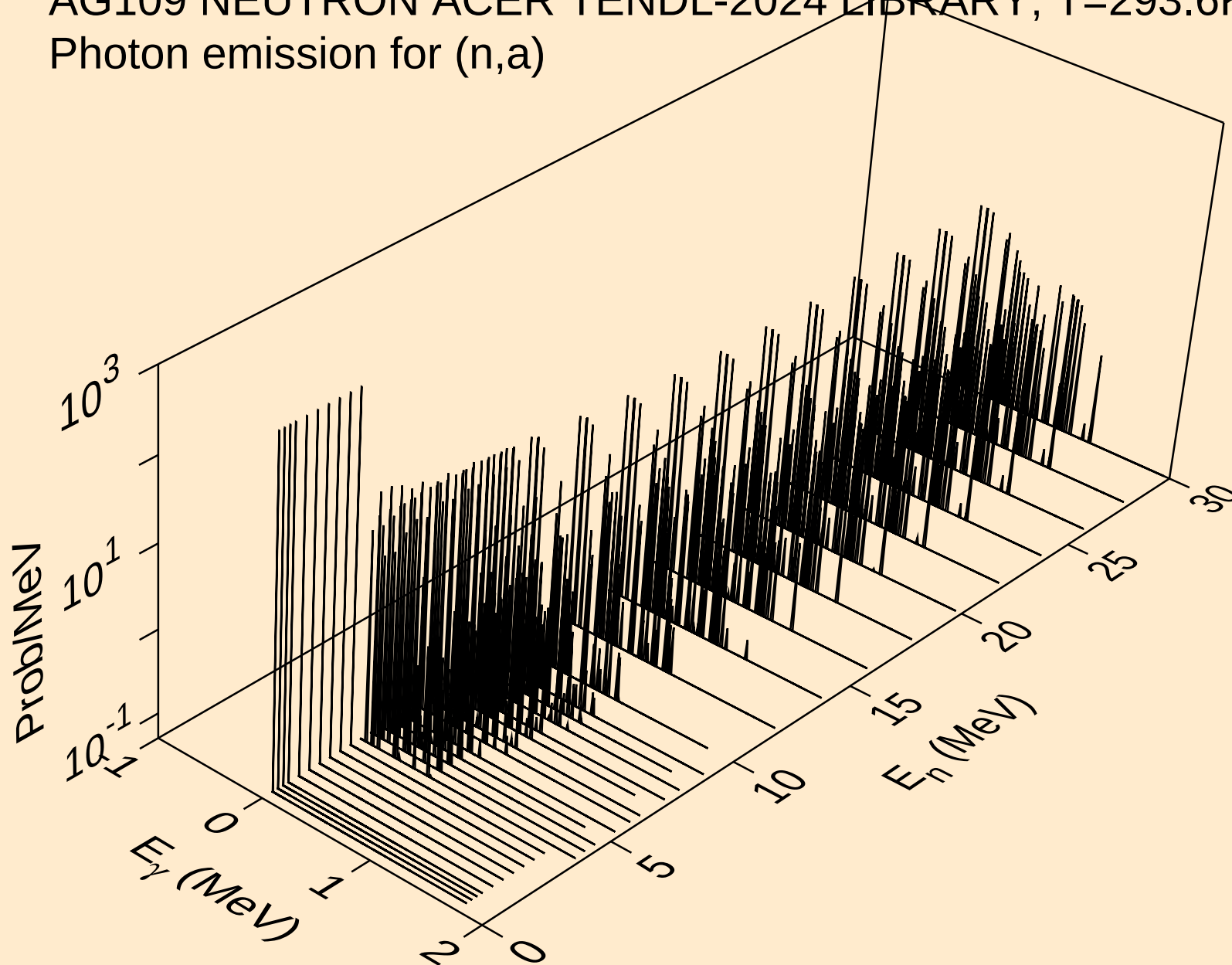


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Photon emission for (n,he3)

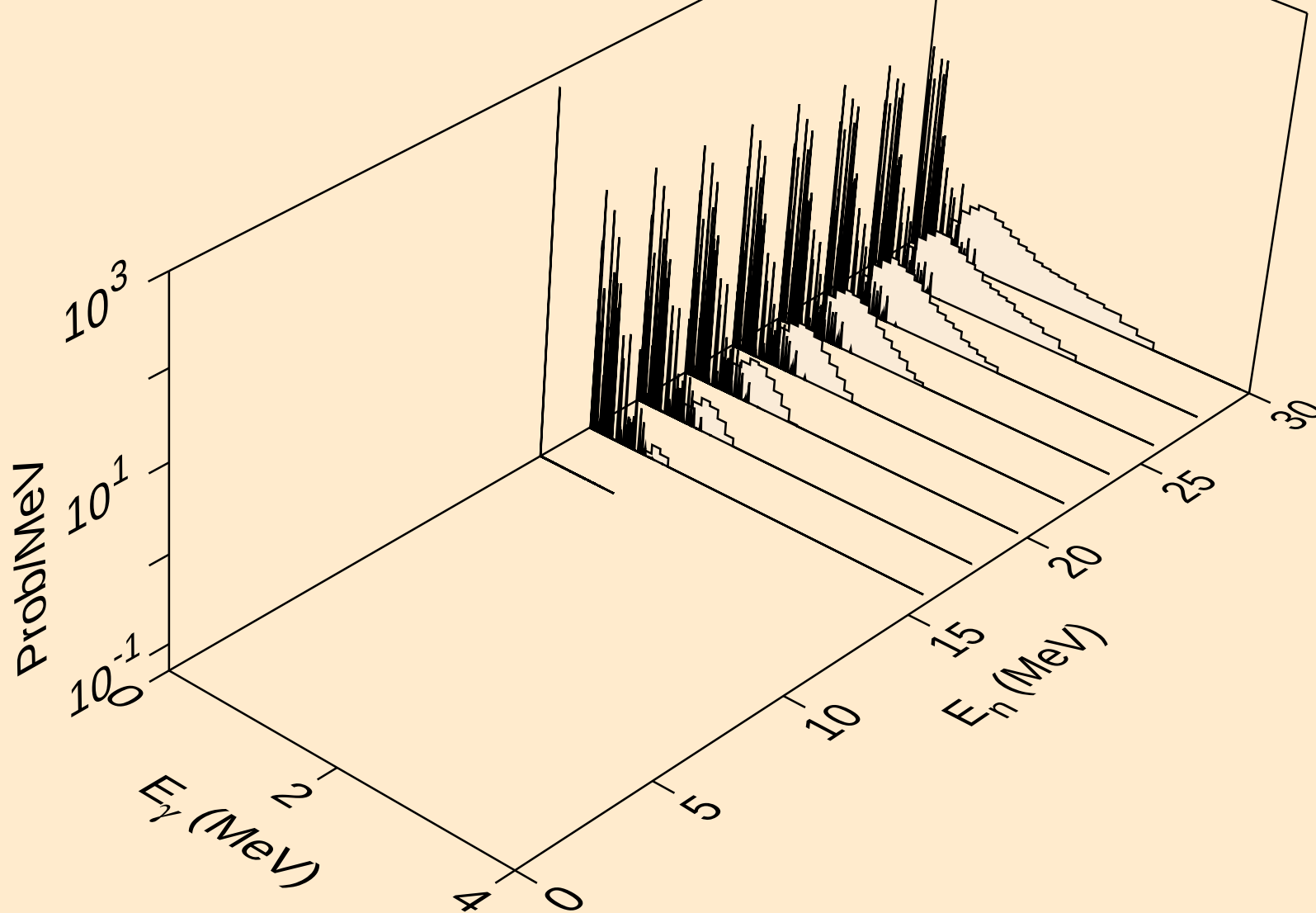




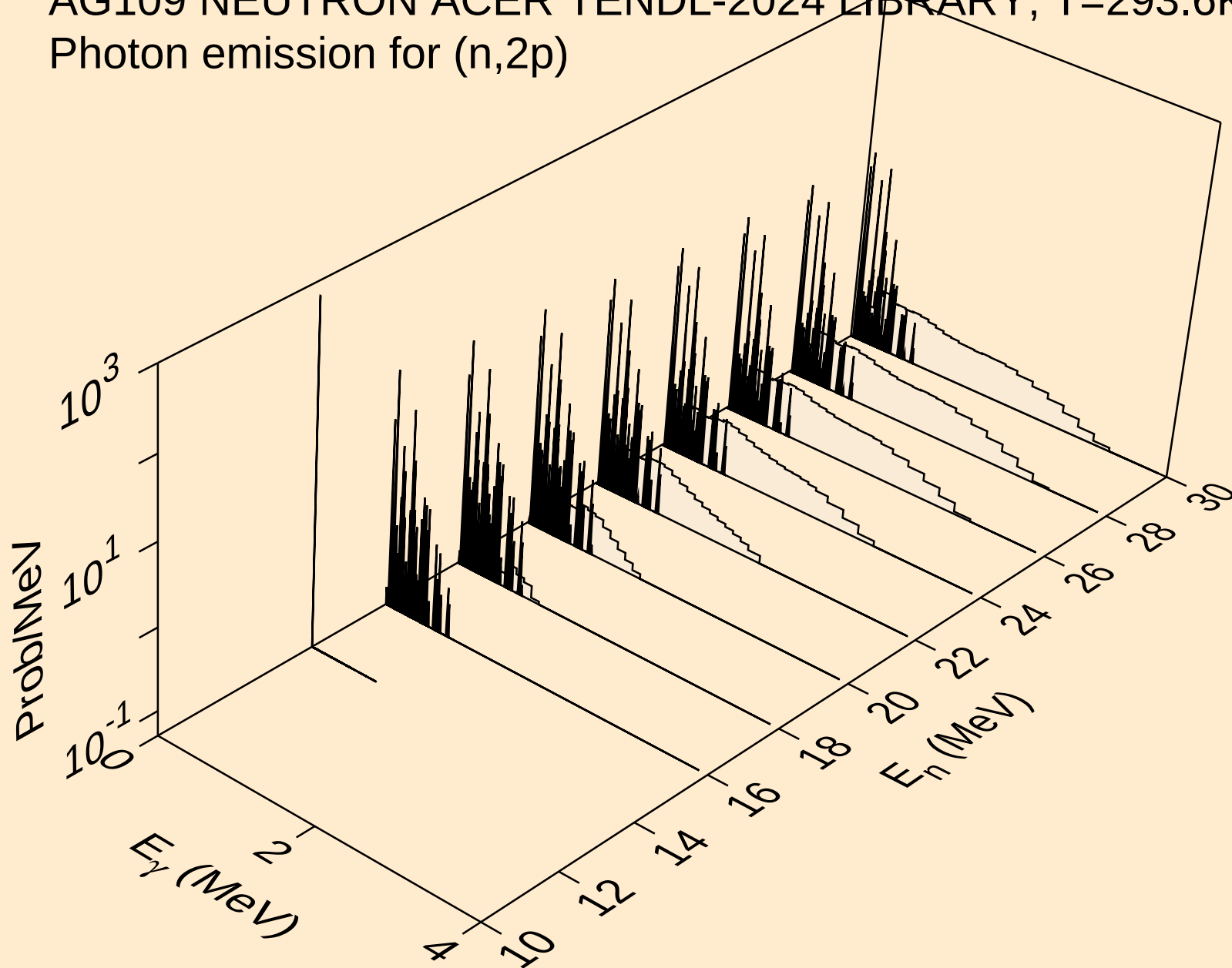
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Photon emission for (n,a)



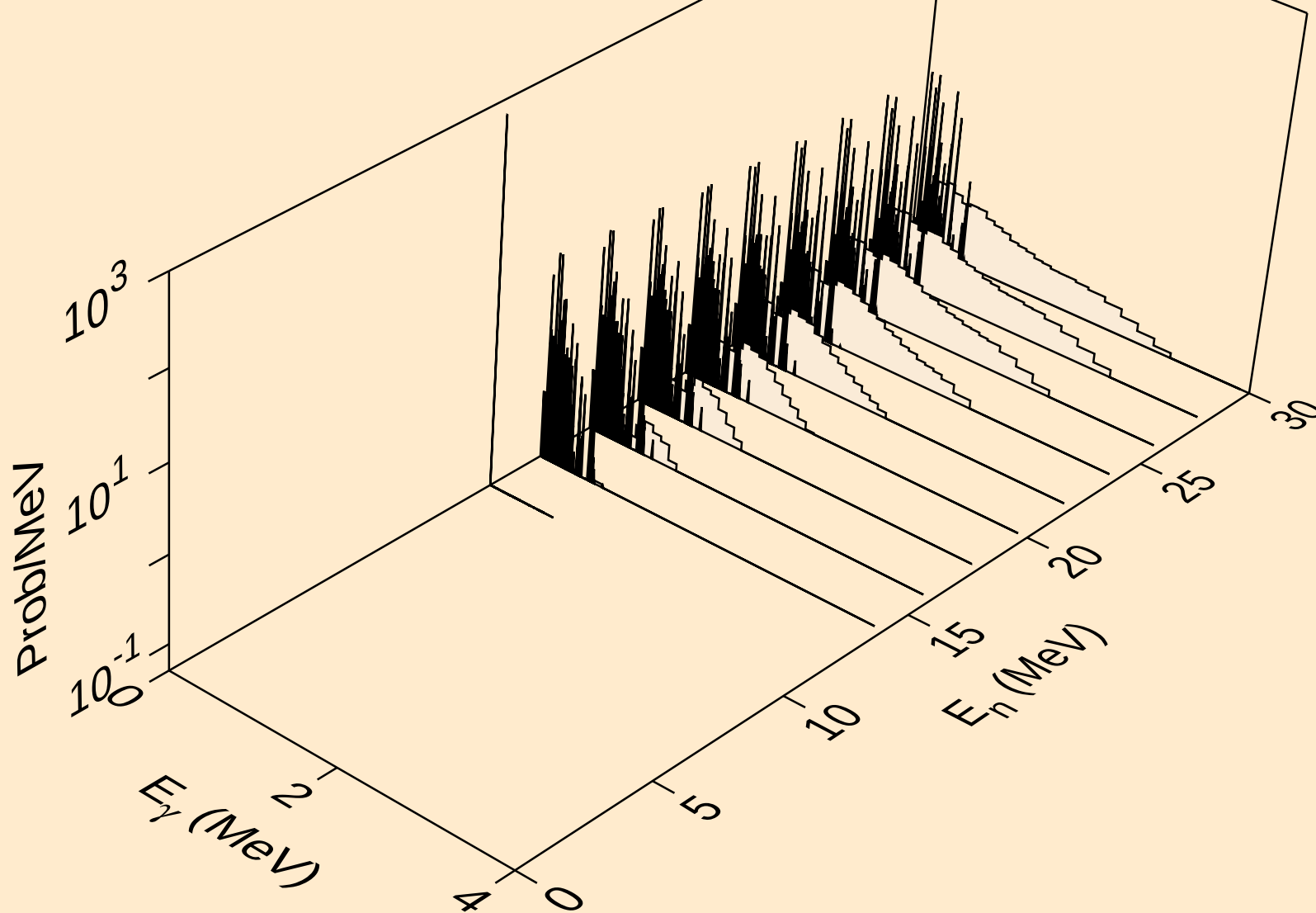
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Photon emission for (n,2a)



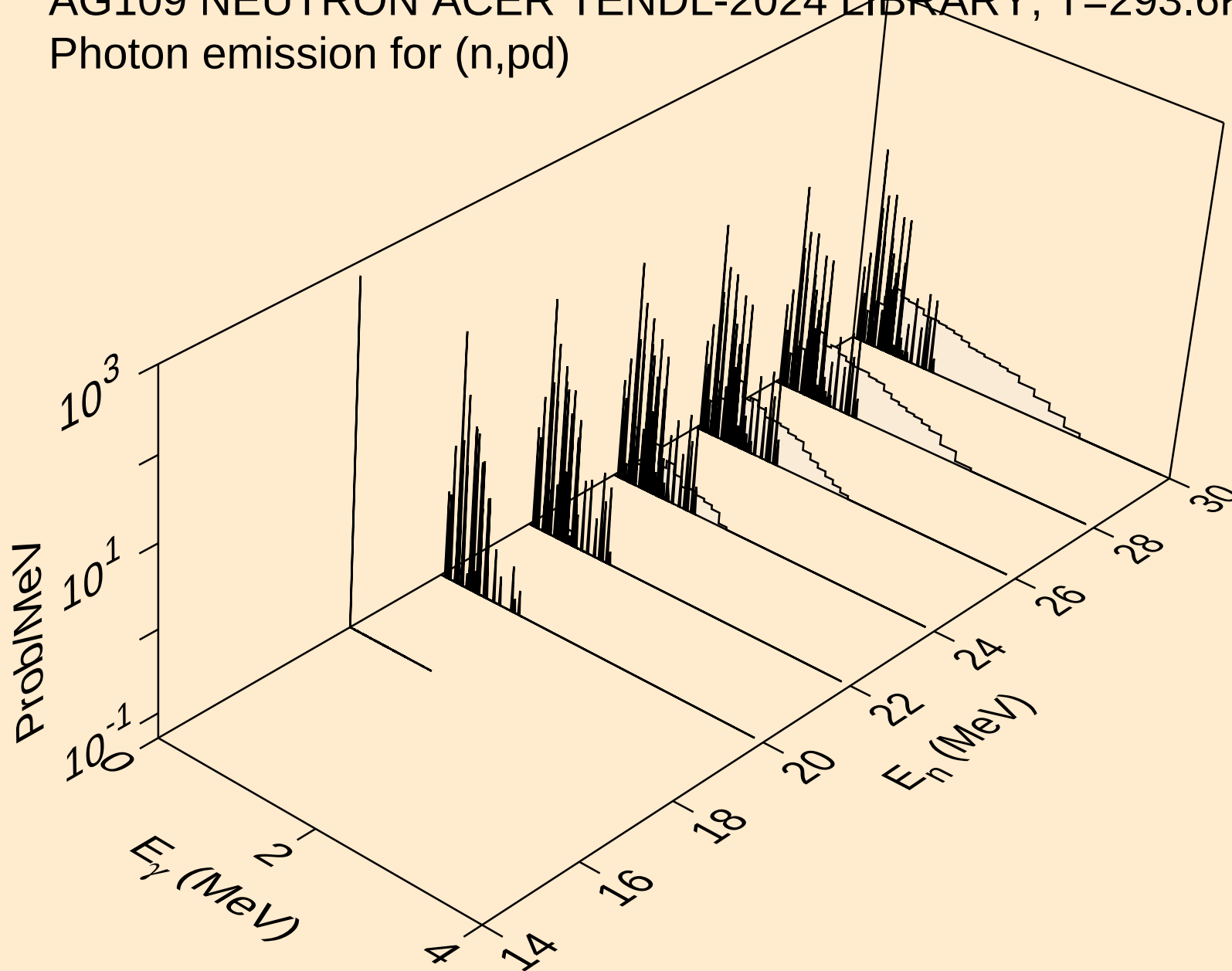
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



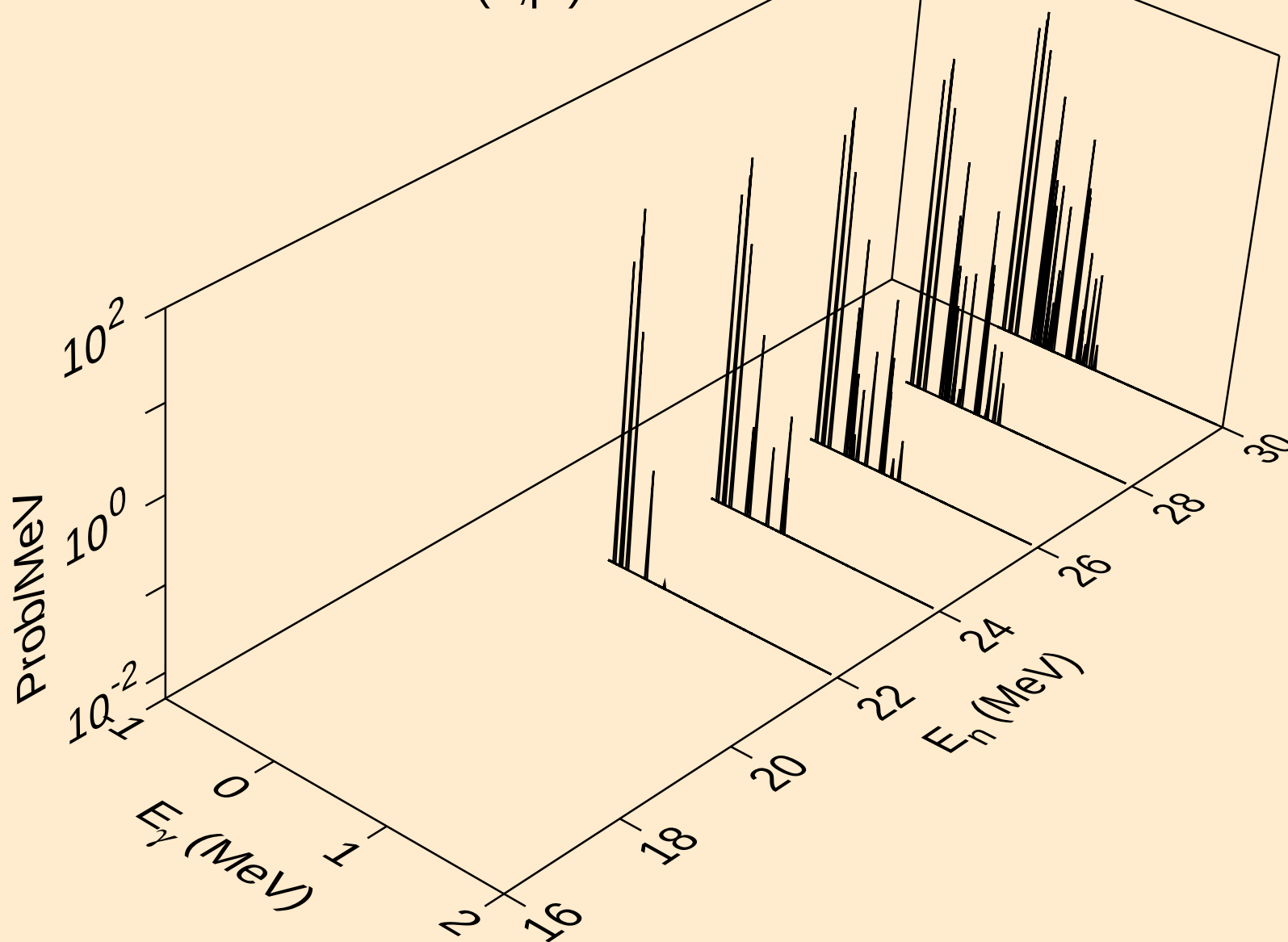
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



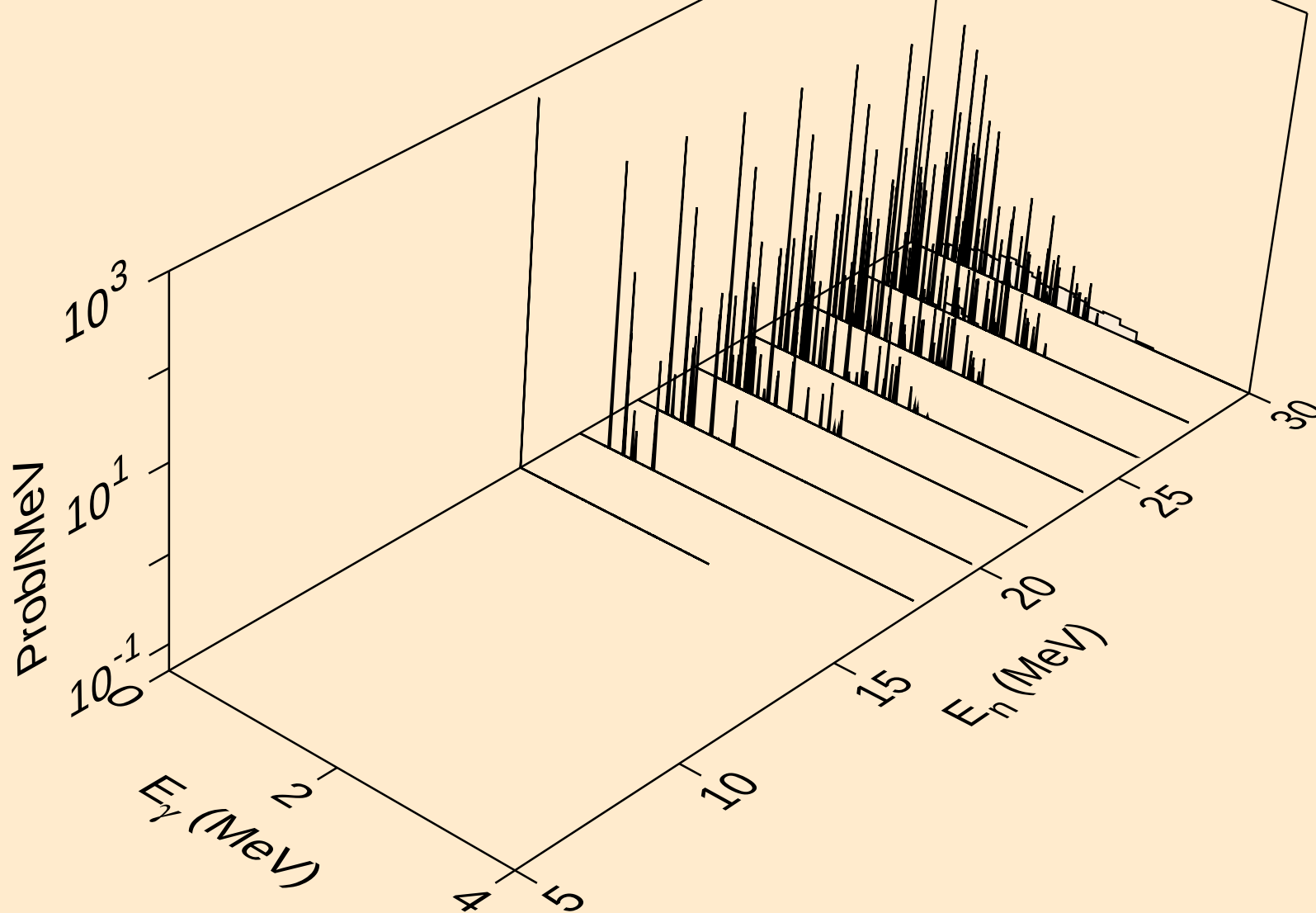
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



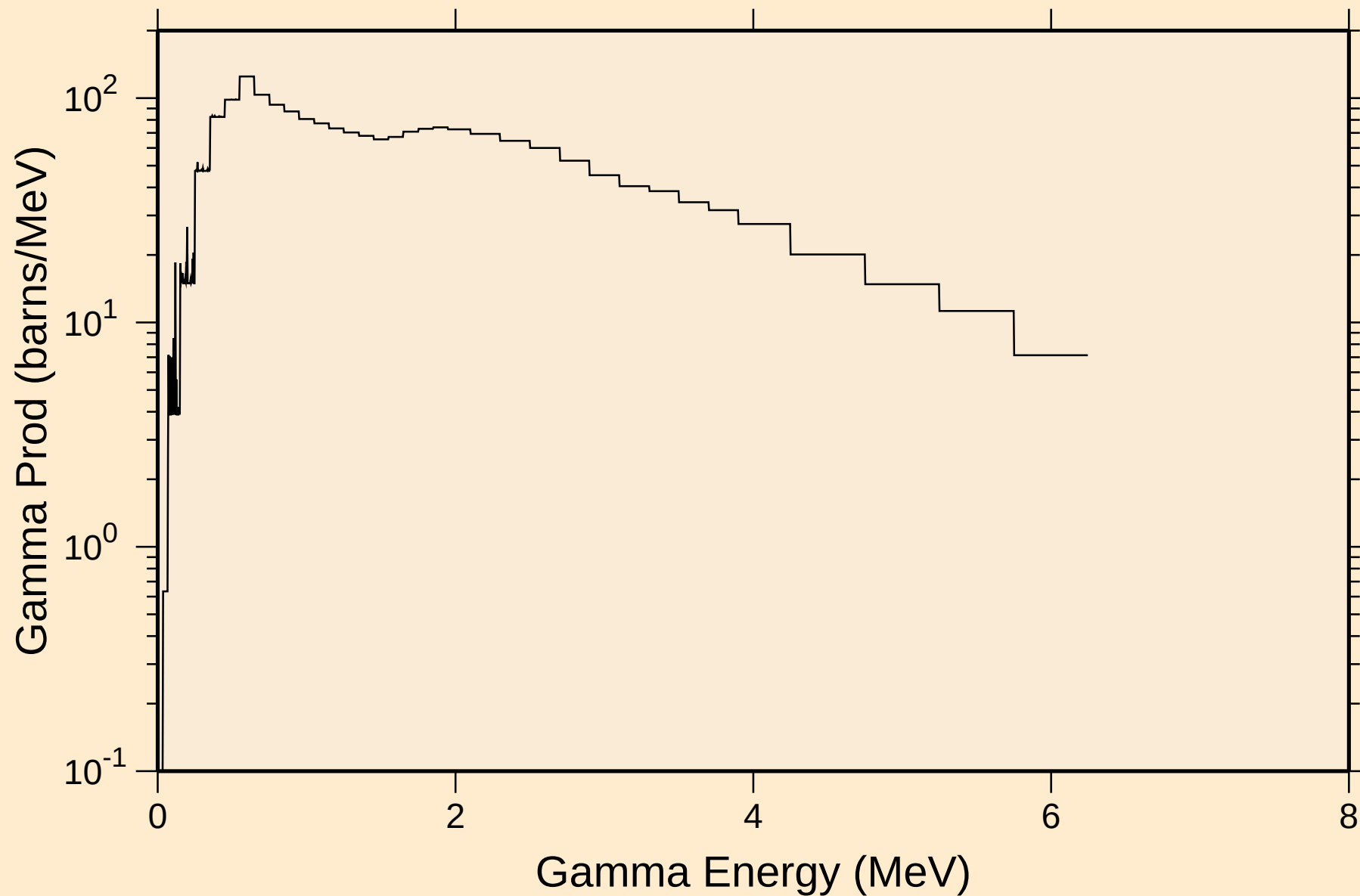
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)

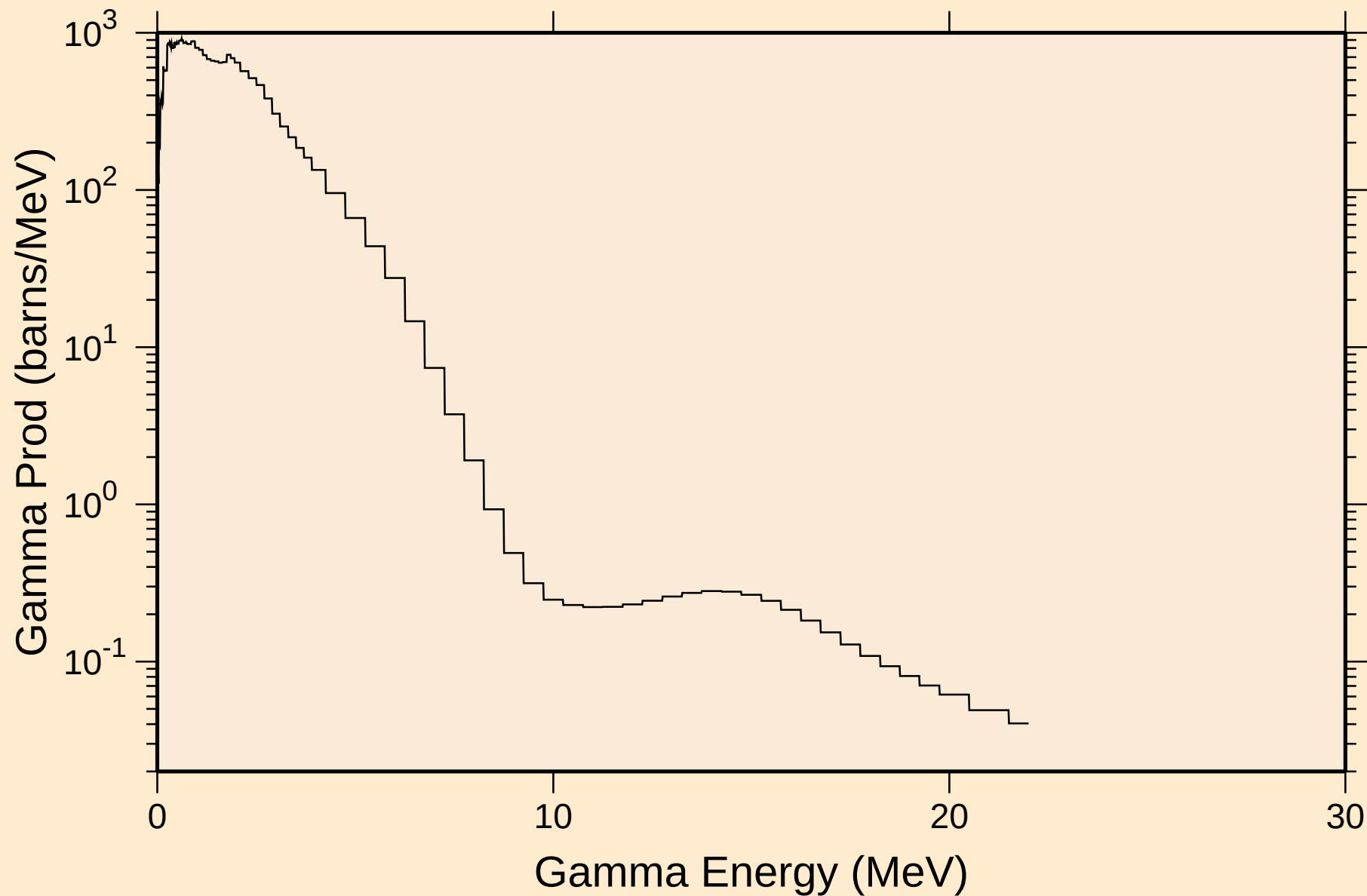


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



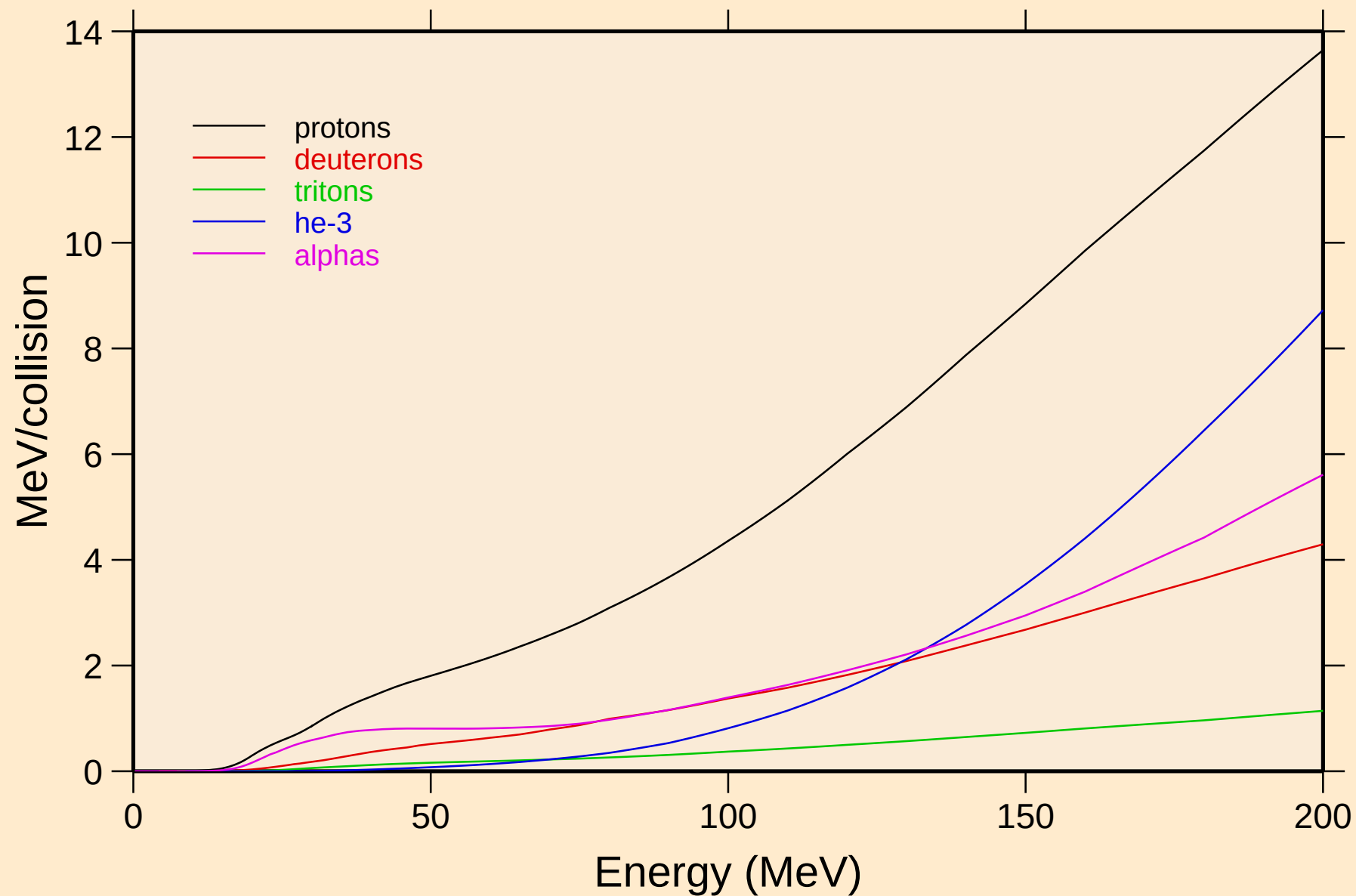


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

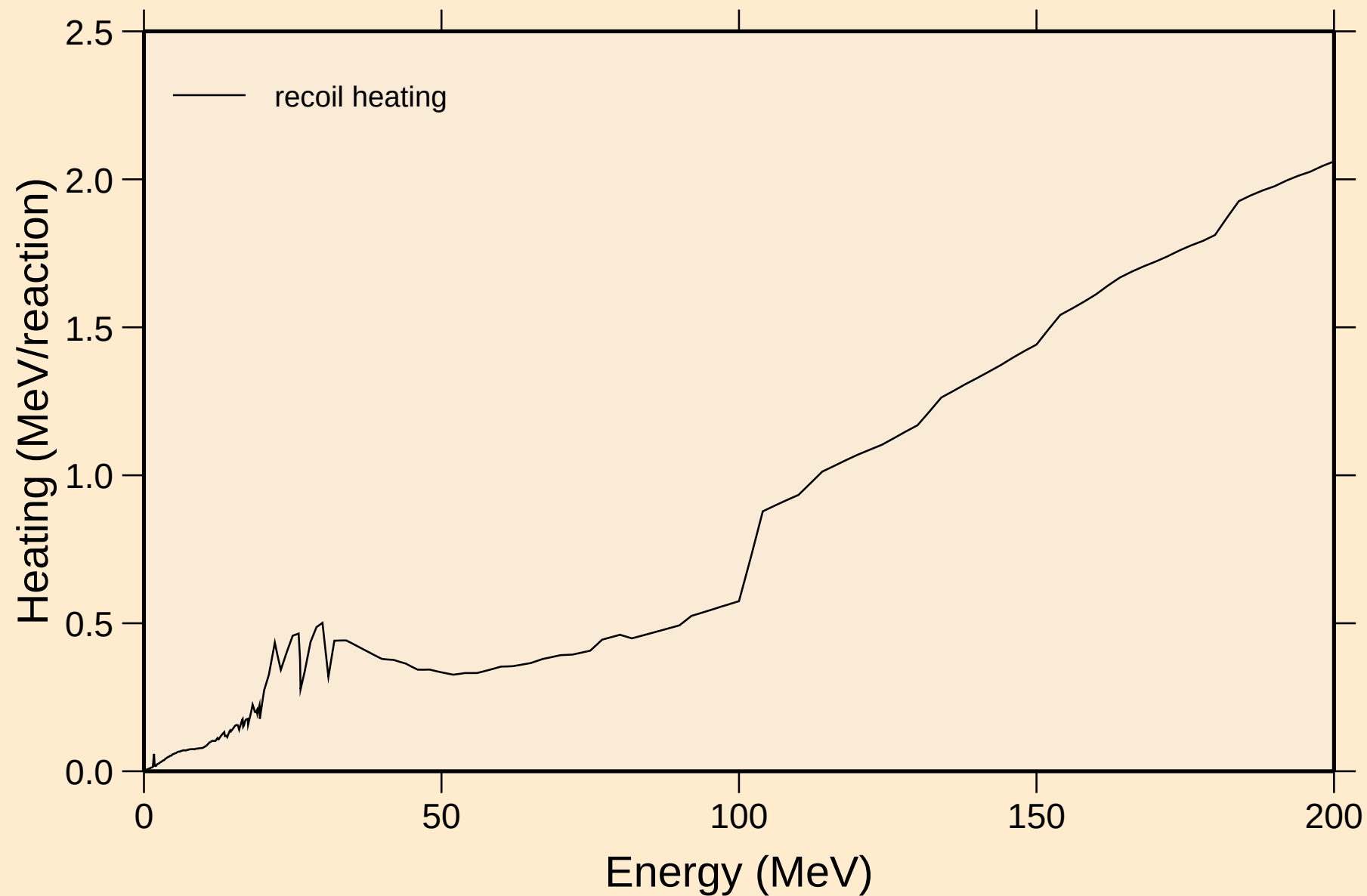


# AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

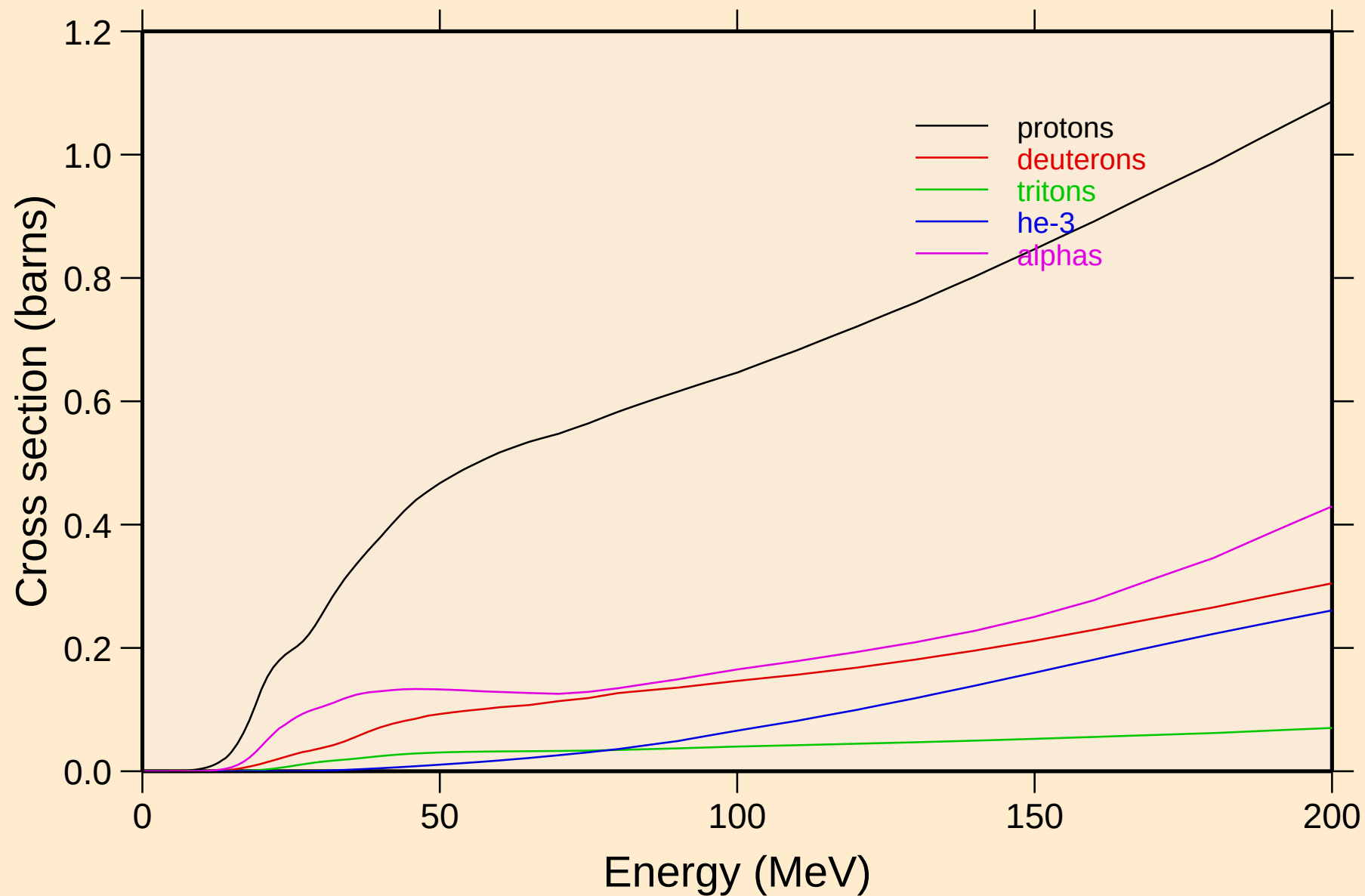
## Particle heating contributions



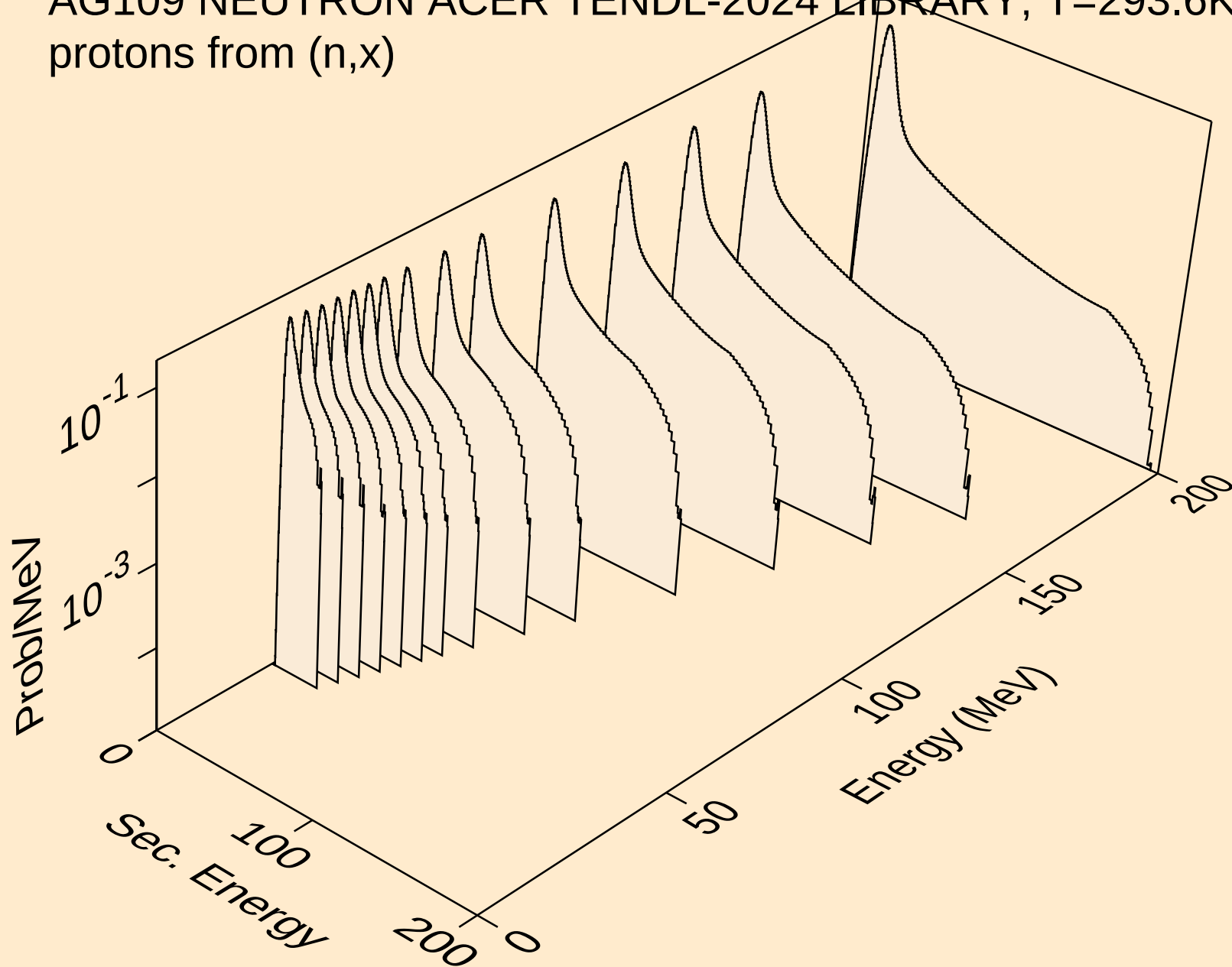
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating



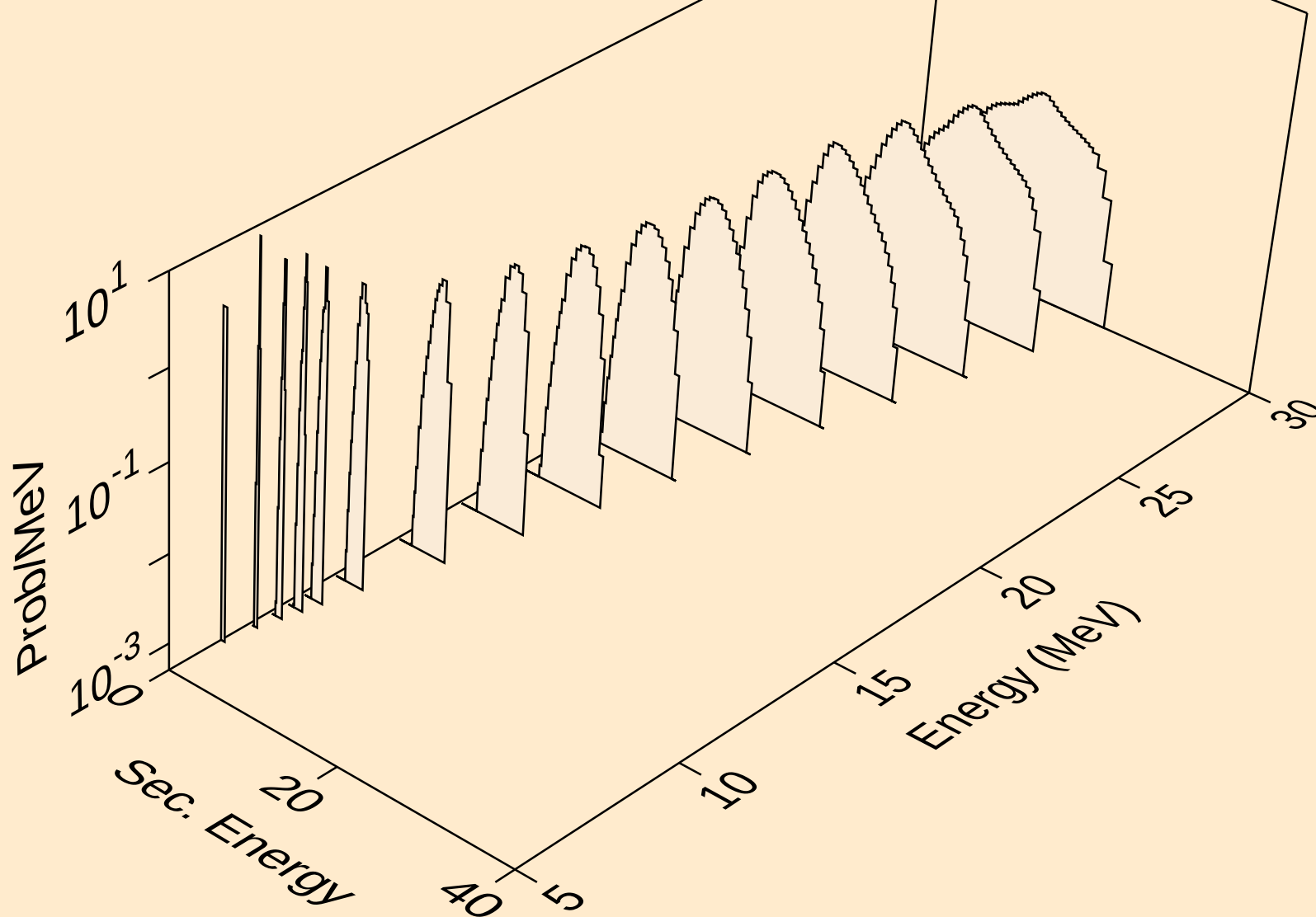
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



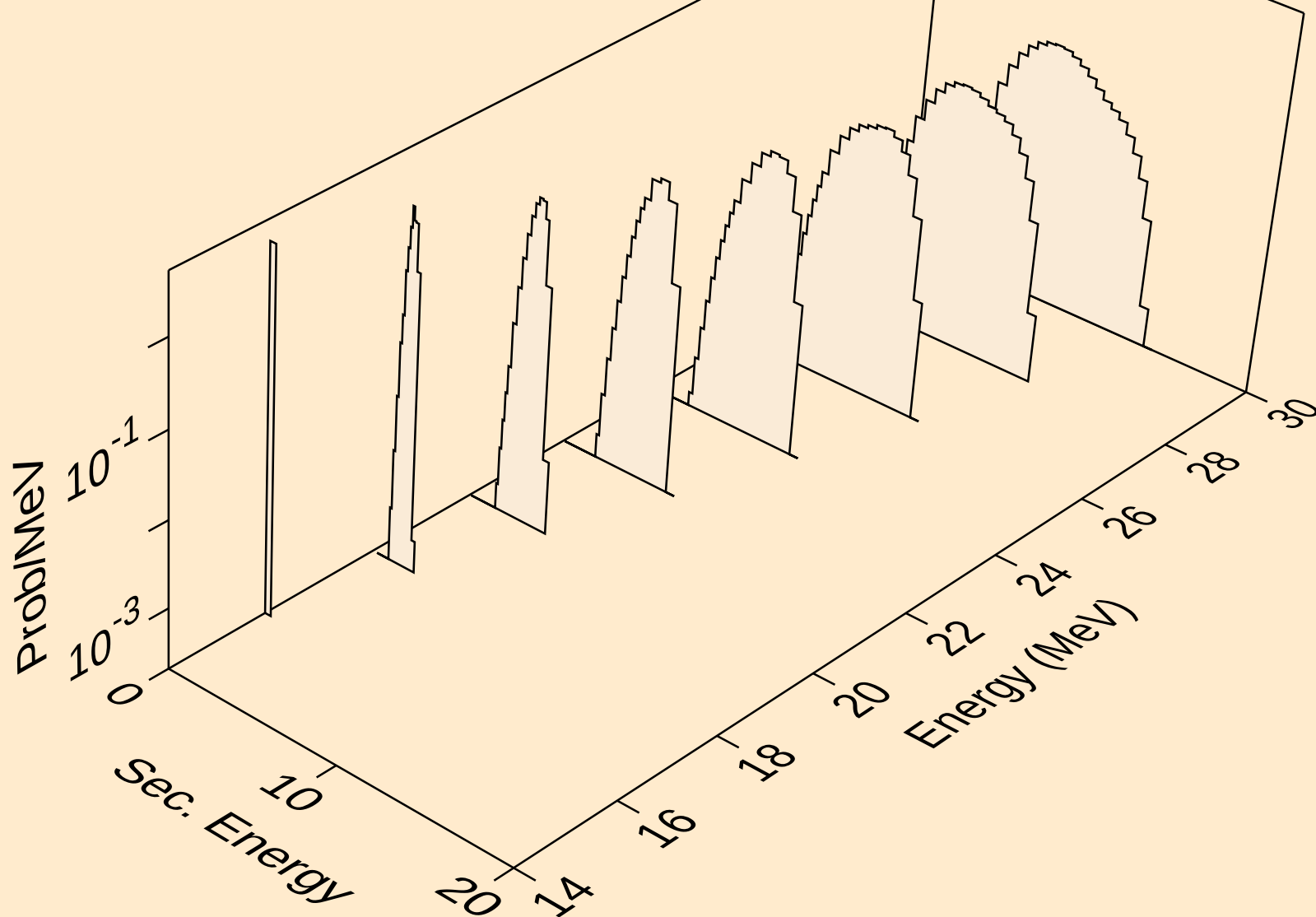
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



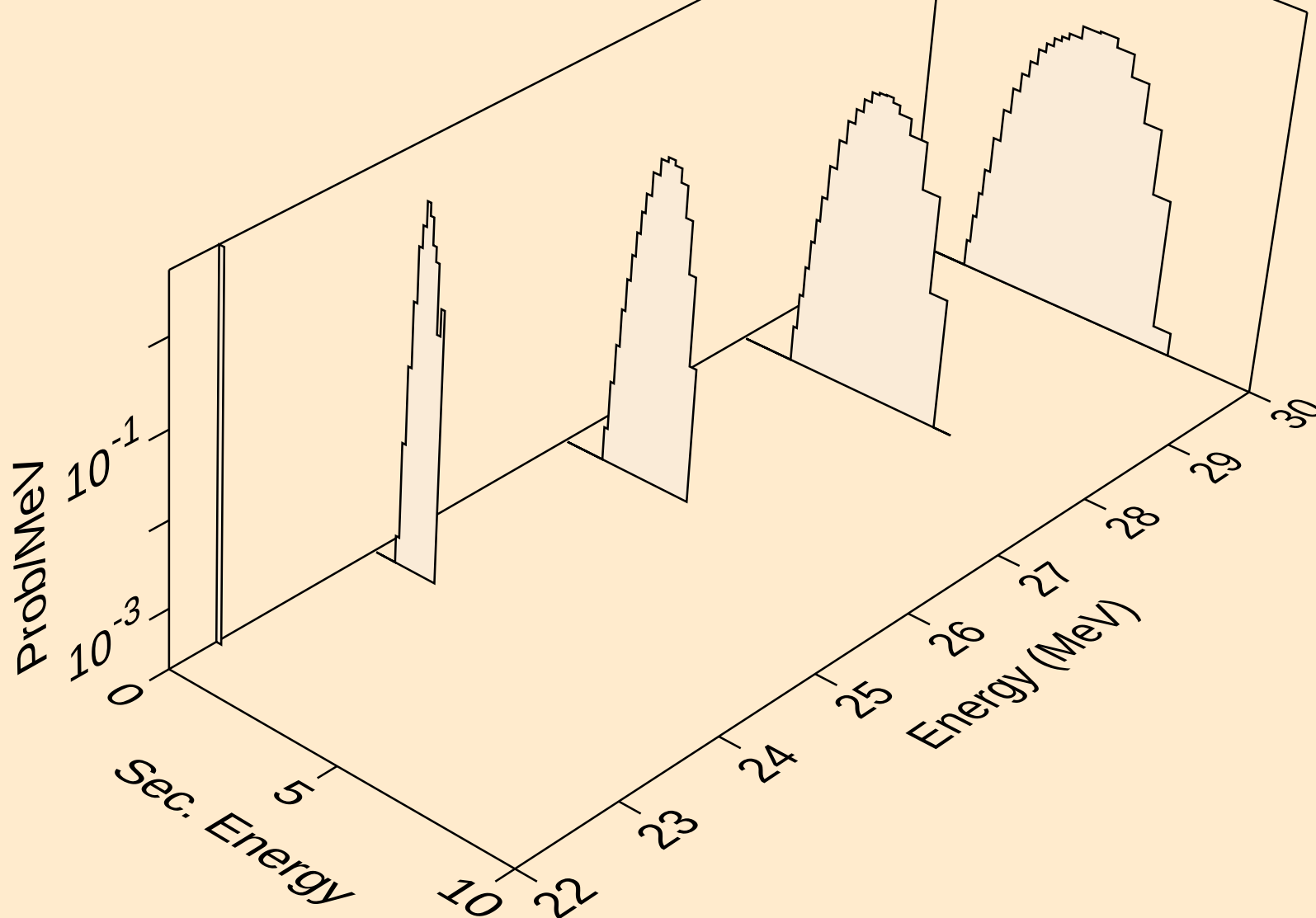
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)

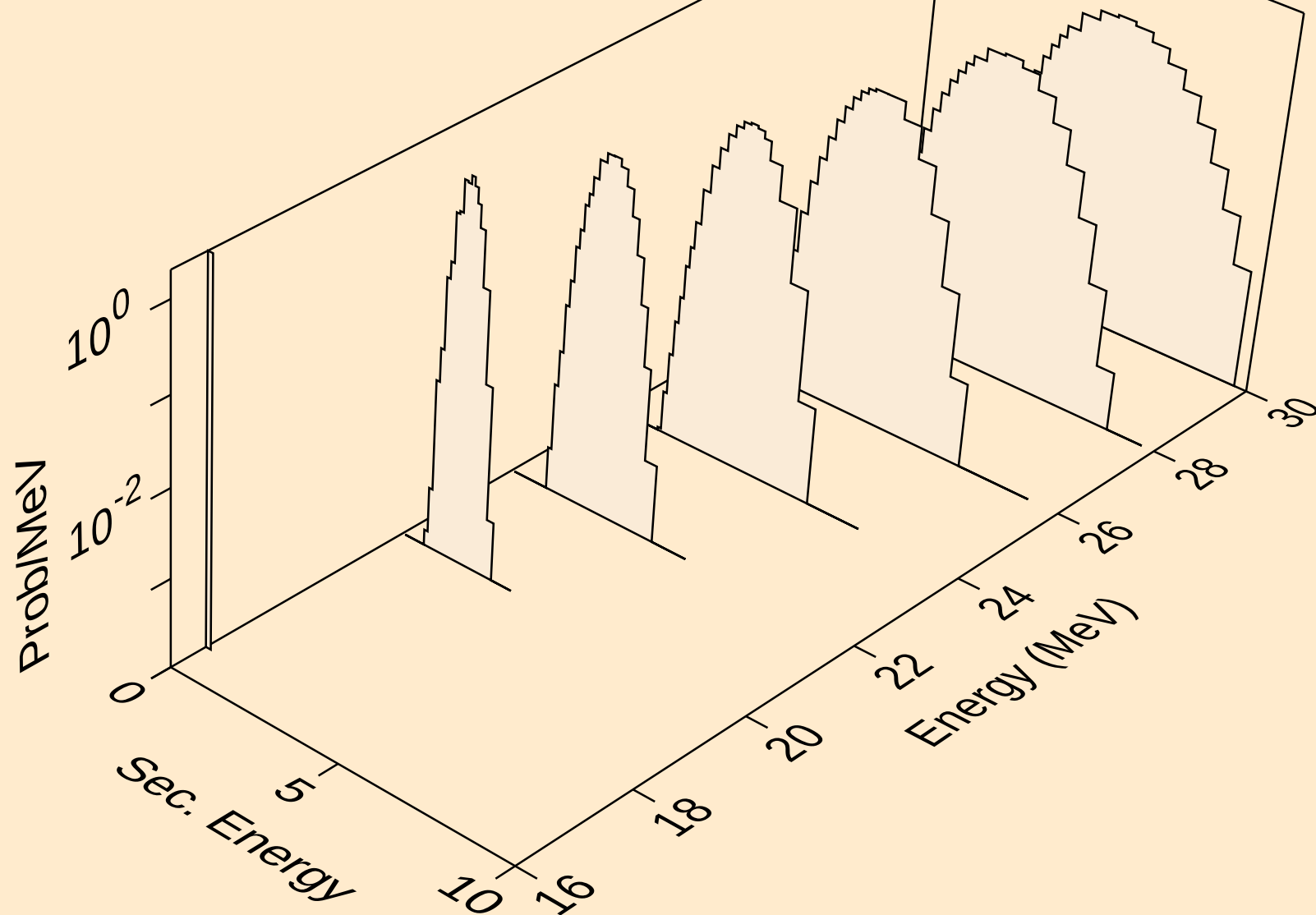


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protons from (n,3np)

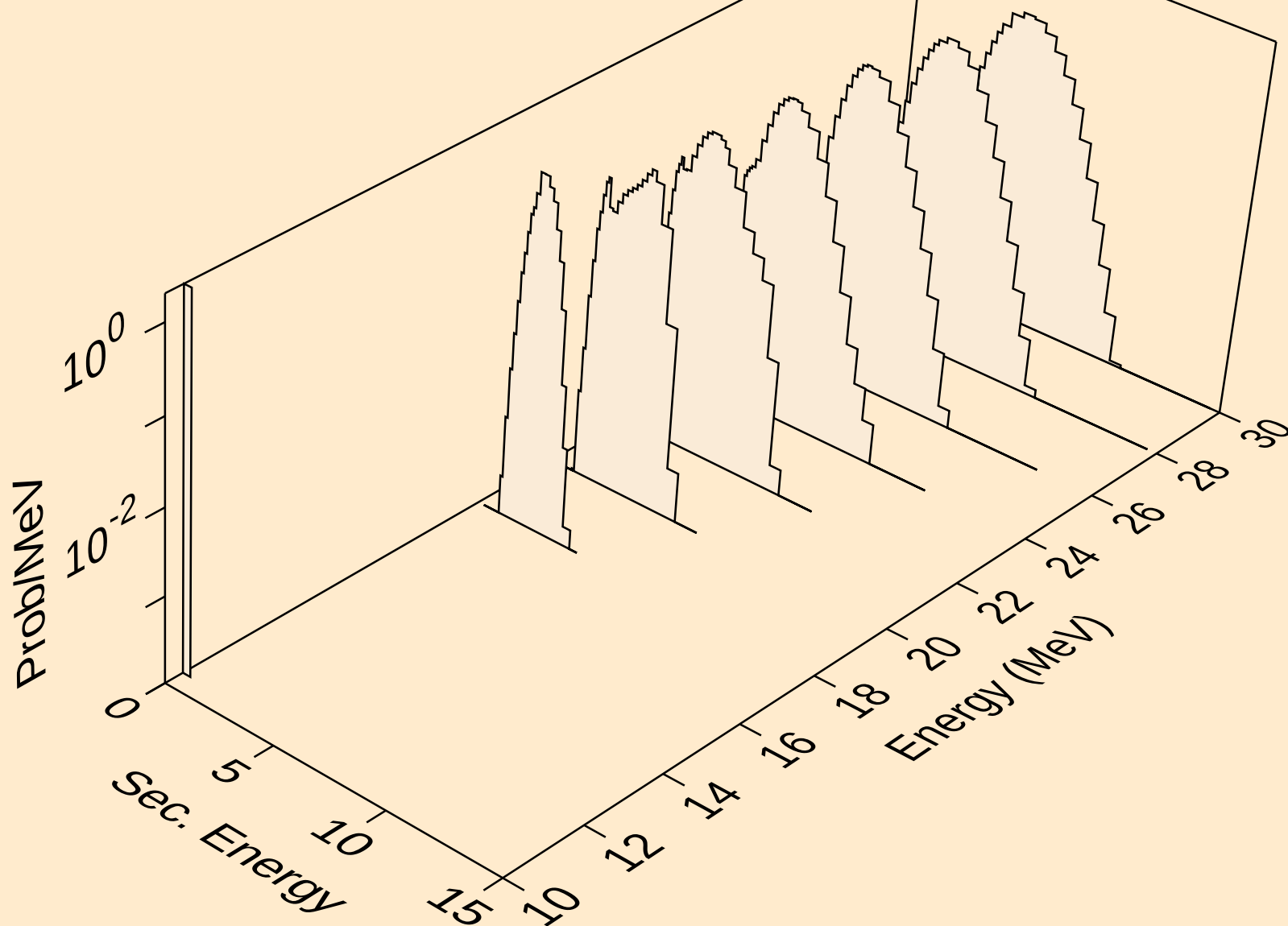




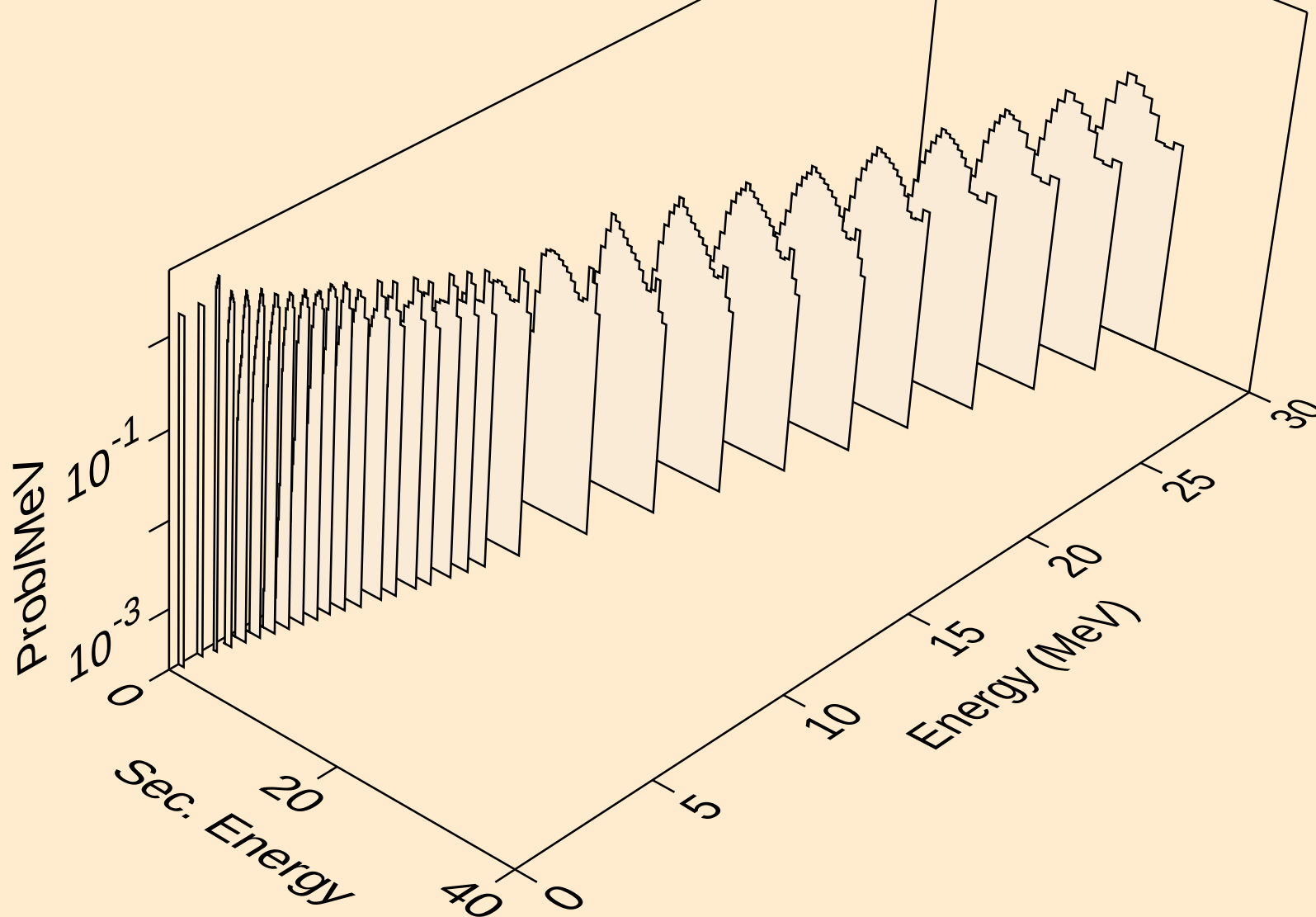
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protons from (n,n2p)



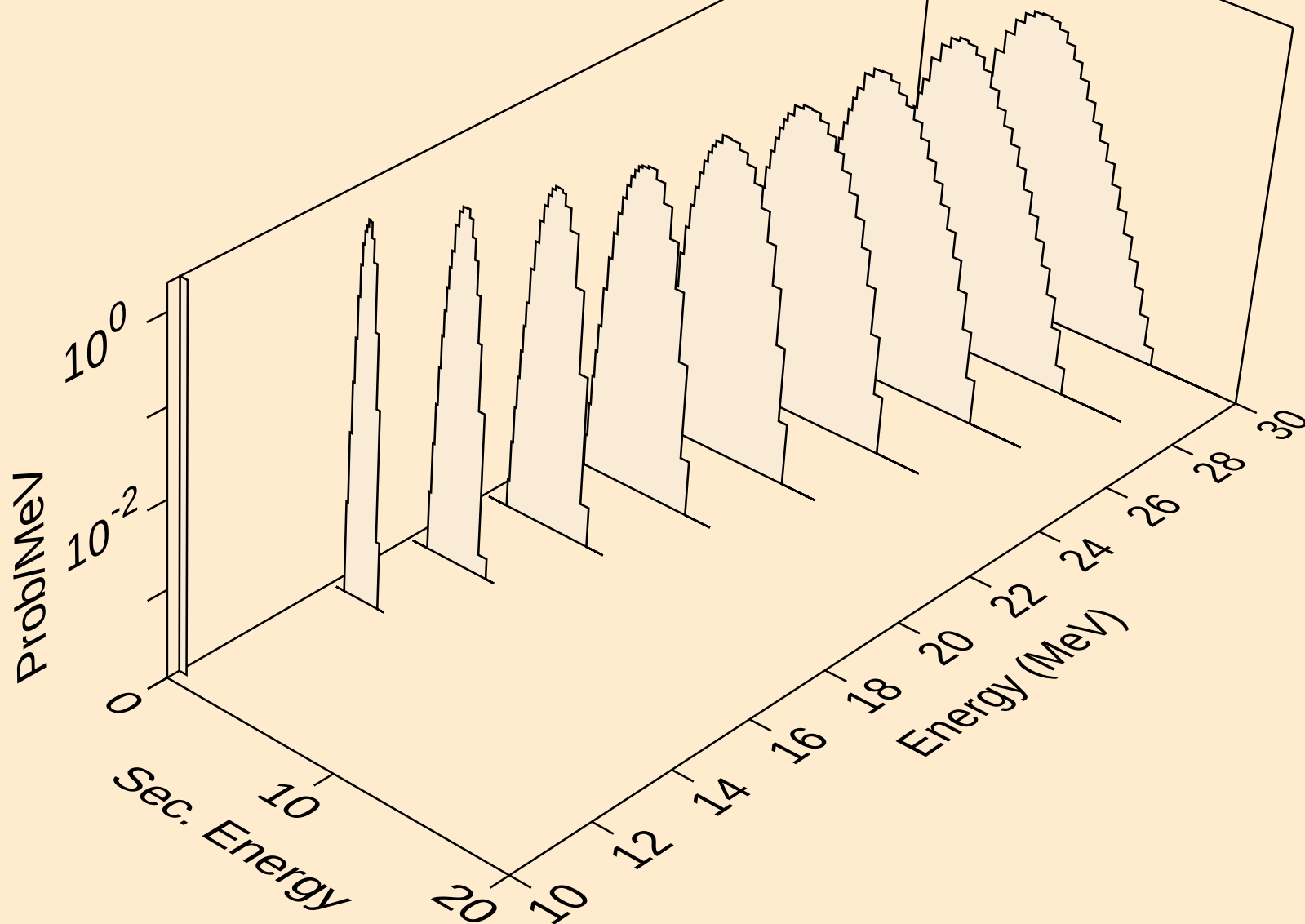
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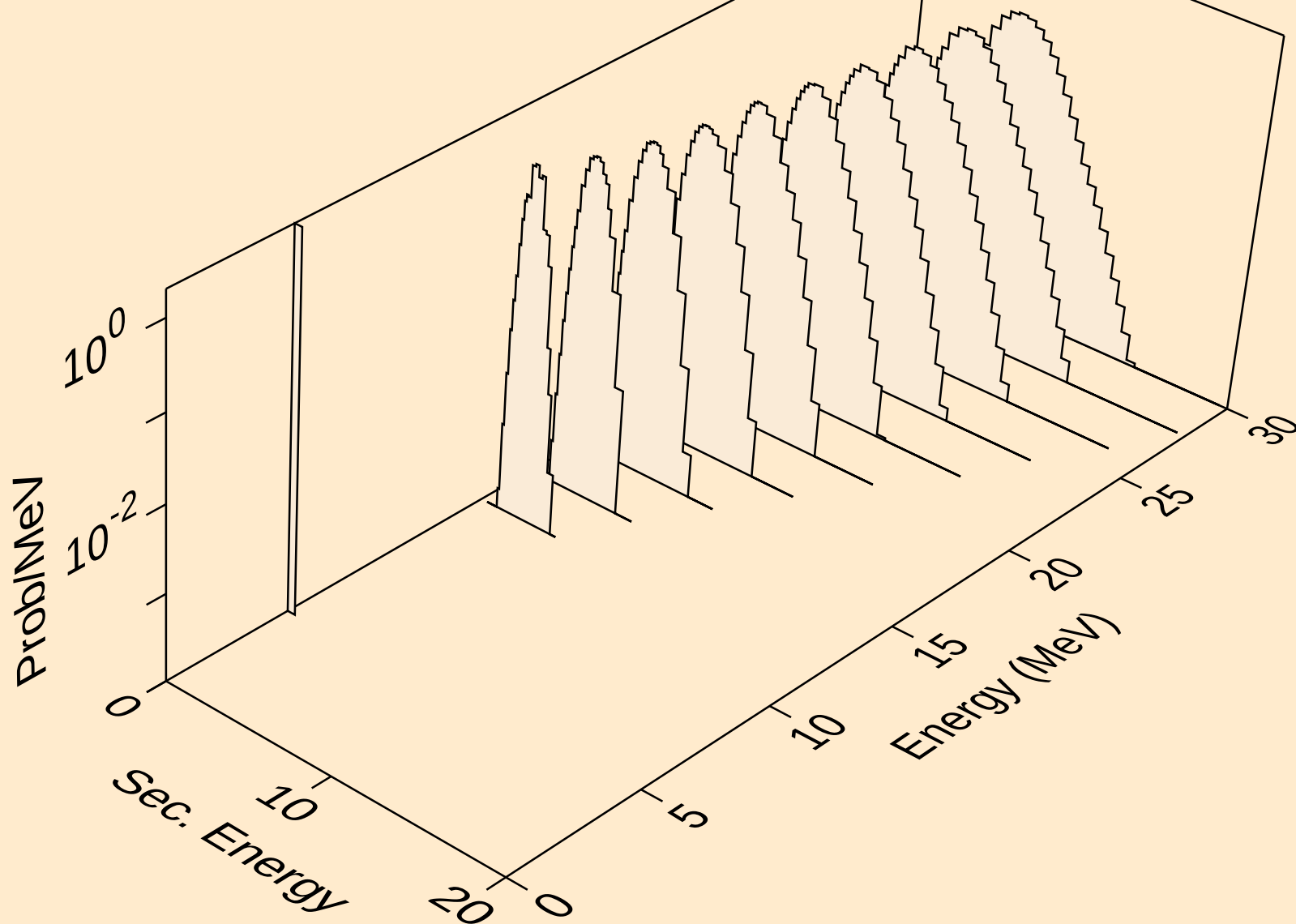
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protons from (n,p)



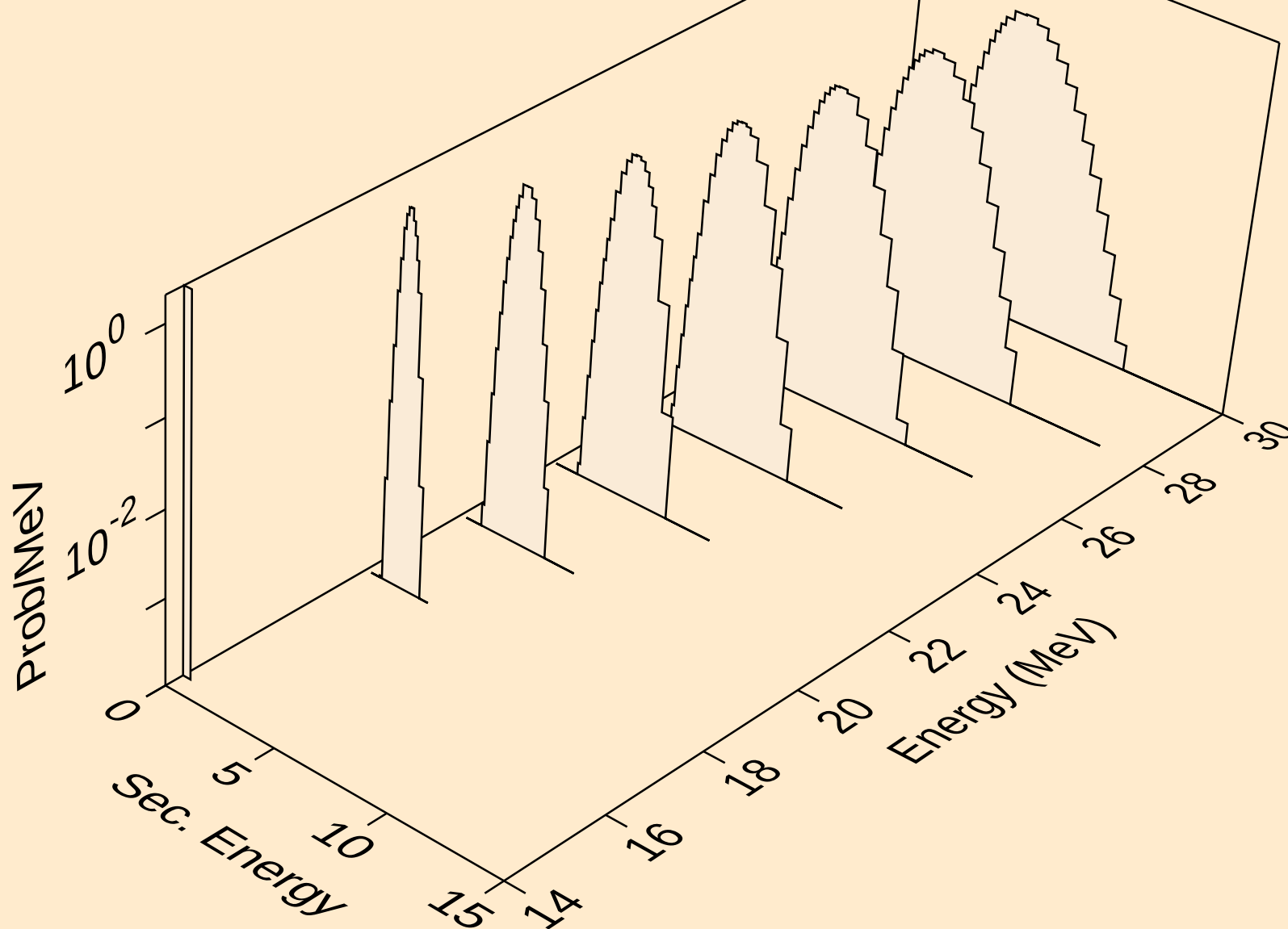
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protons from (n,2p)



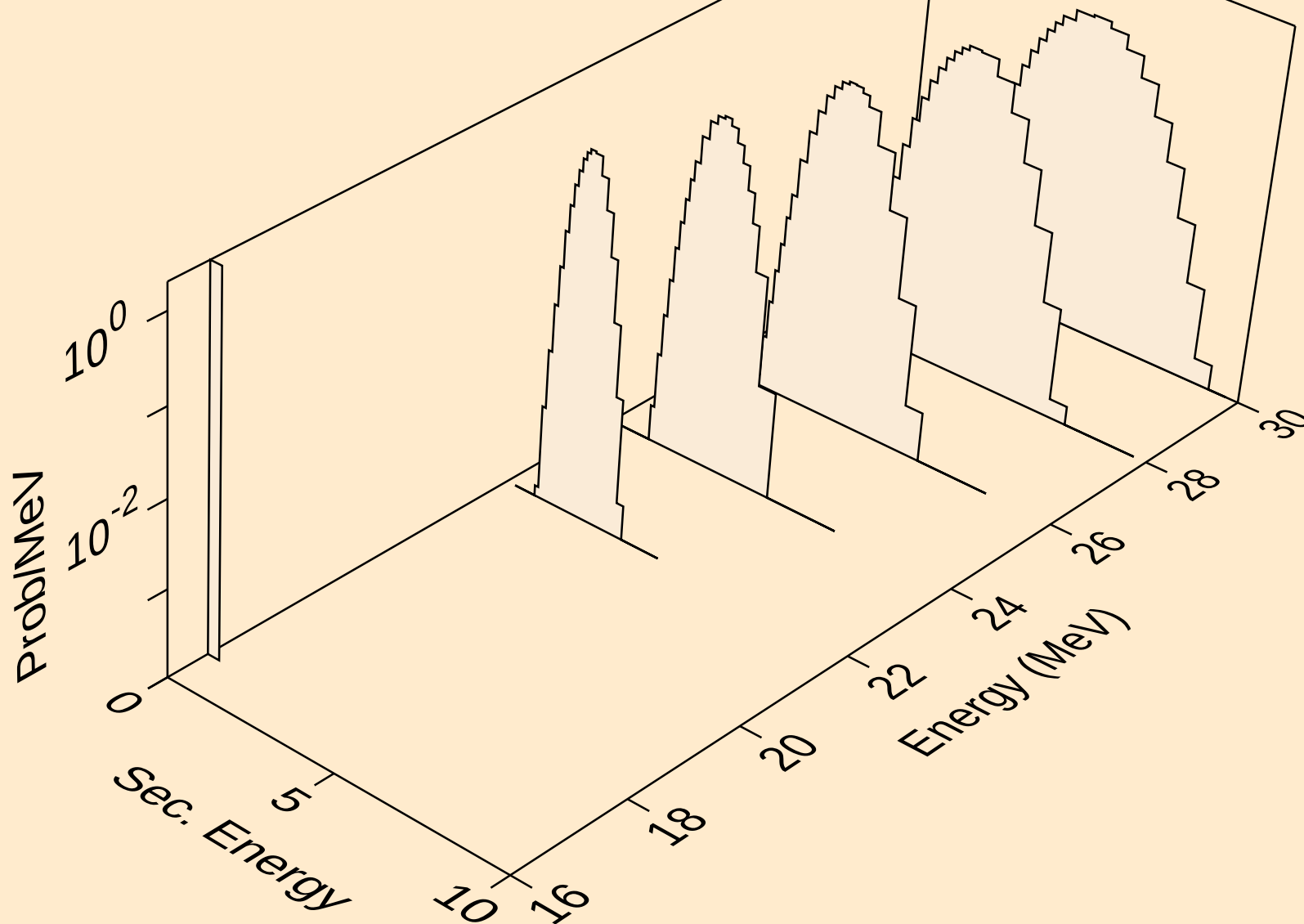
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protons from (n,p)



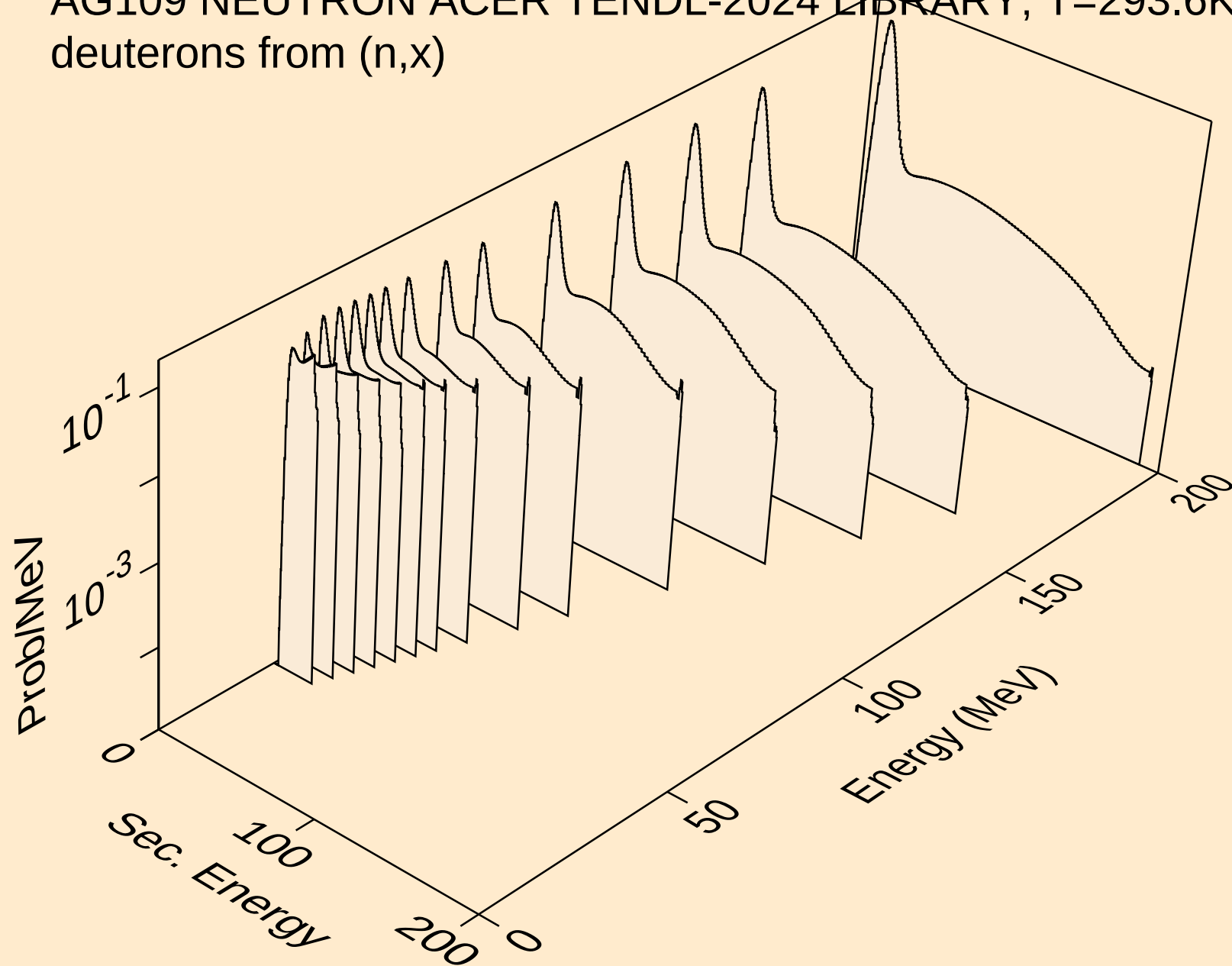
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)

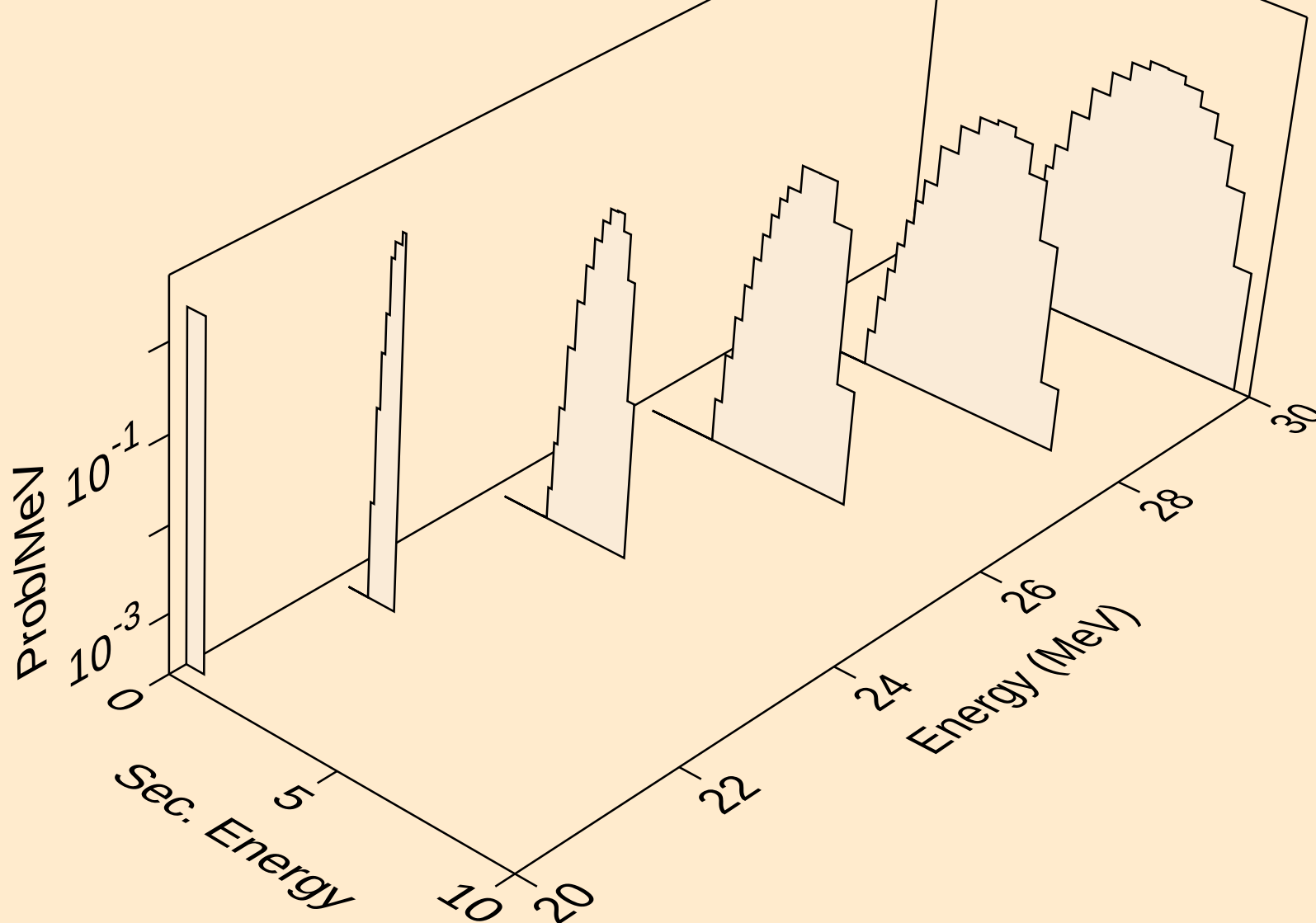


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)

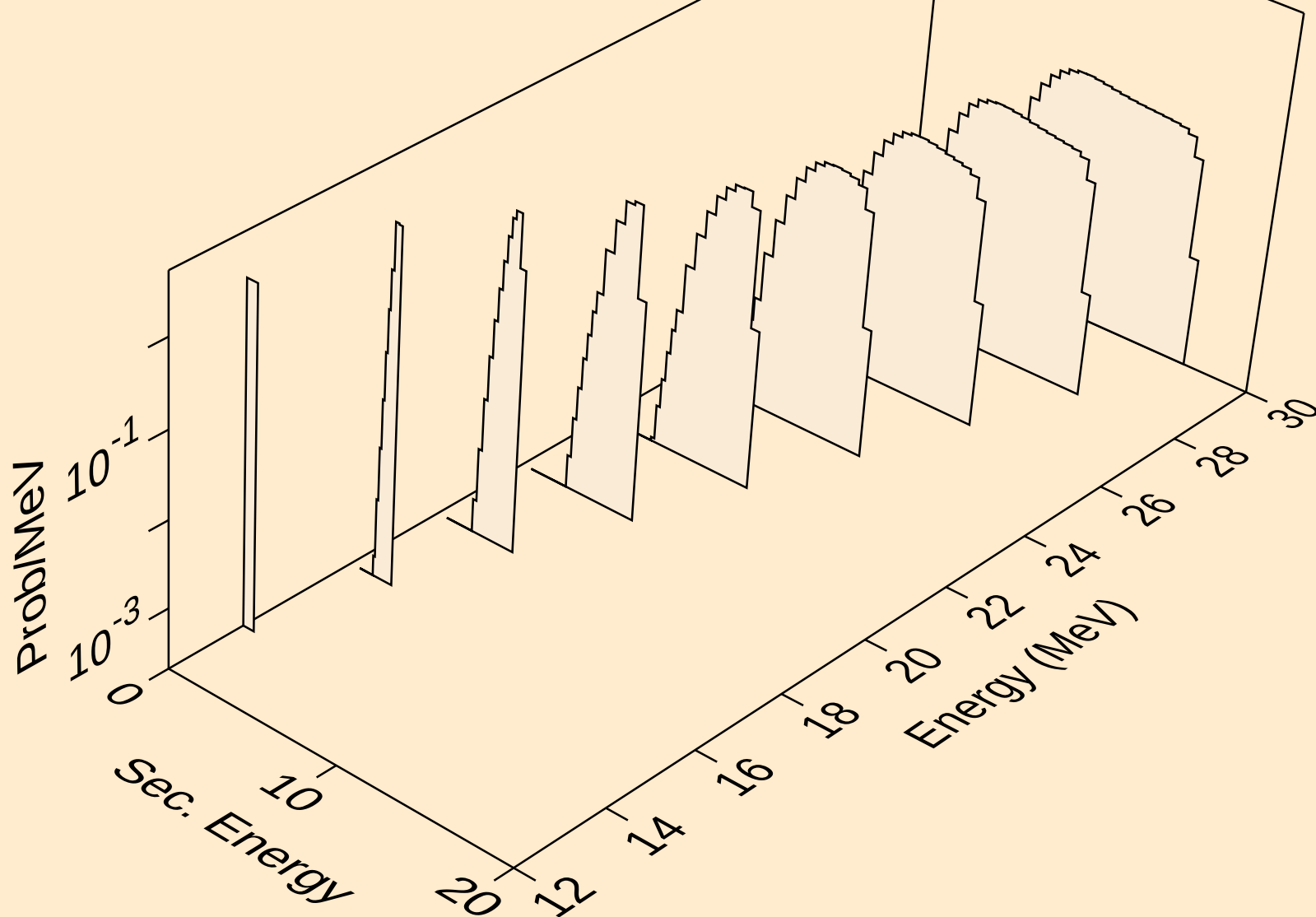




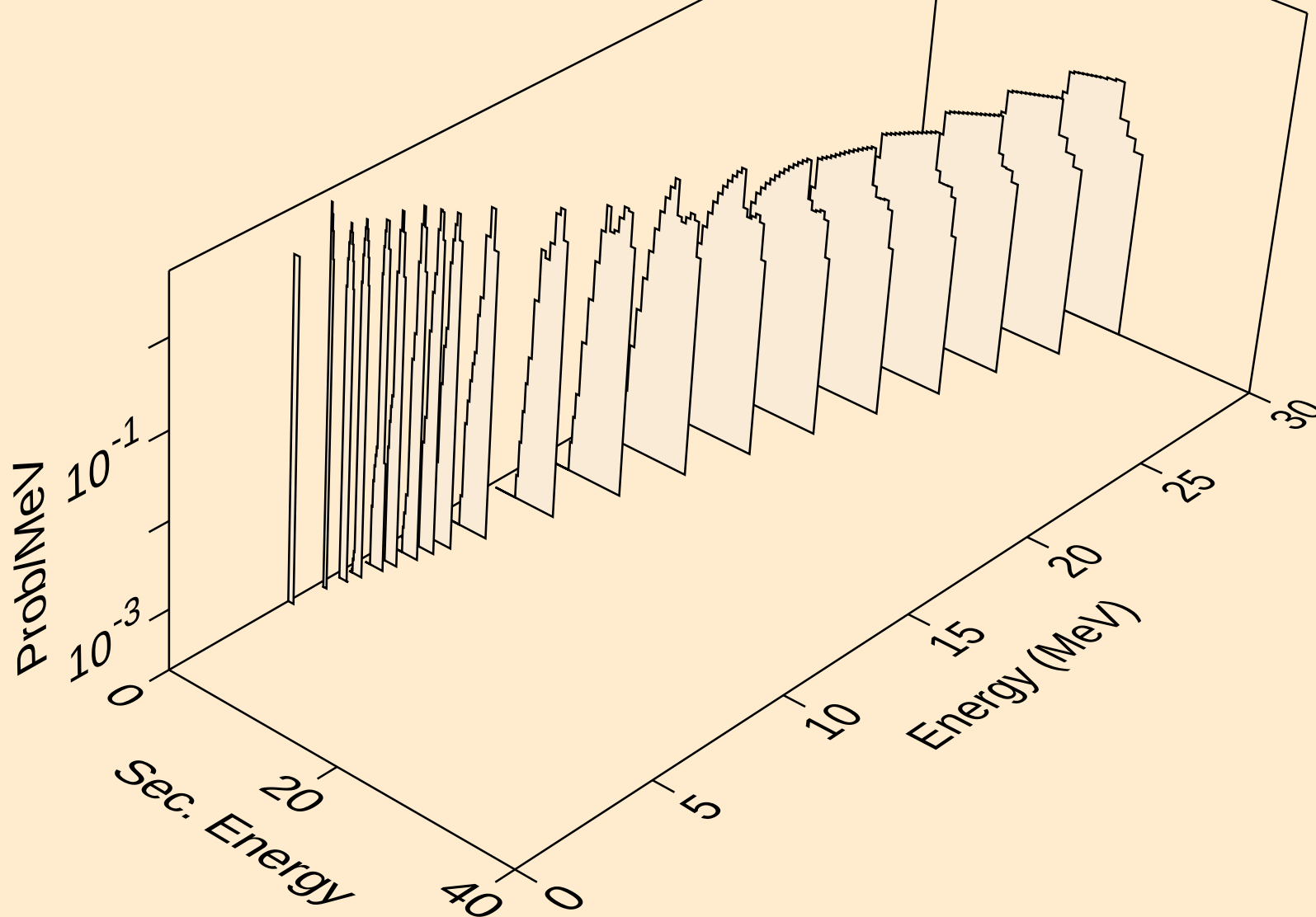
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deuterons from (n,2nd)



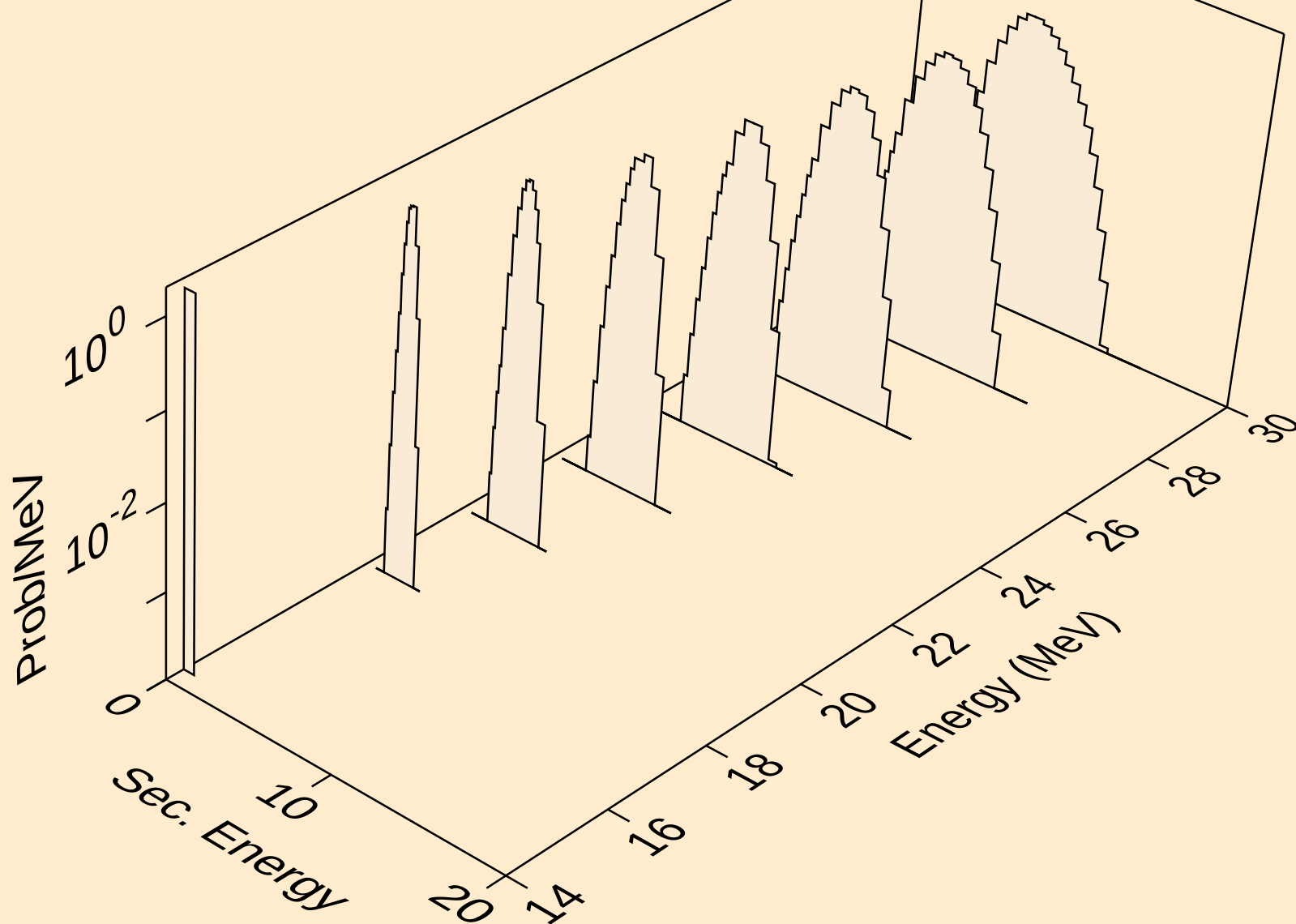
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



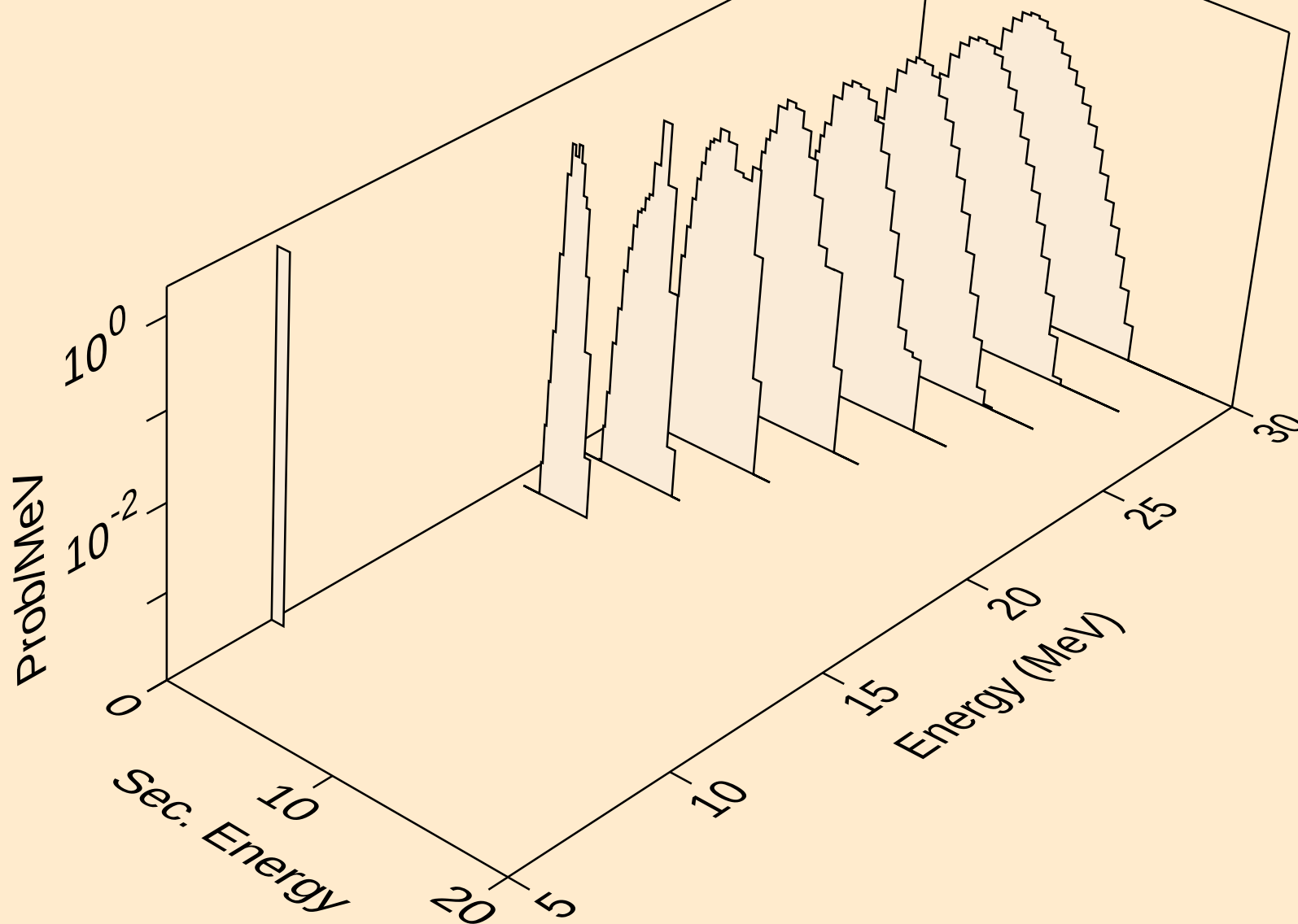
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deuterons from (n,d)



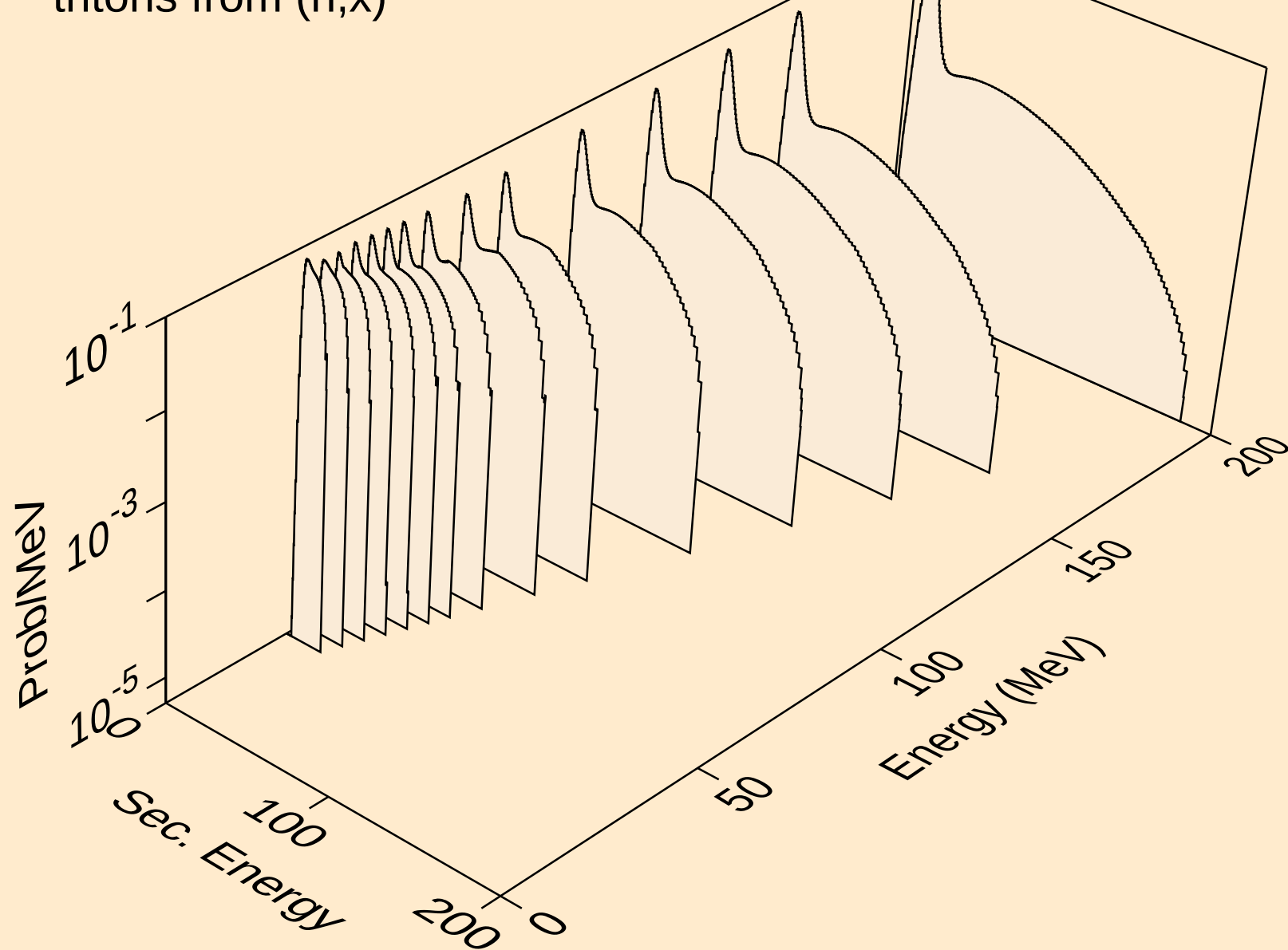
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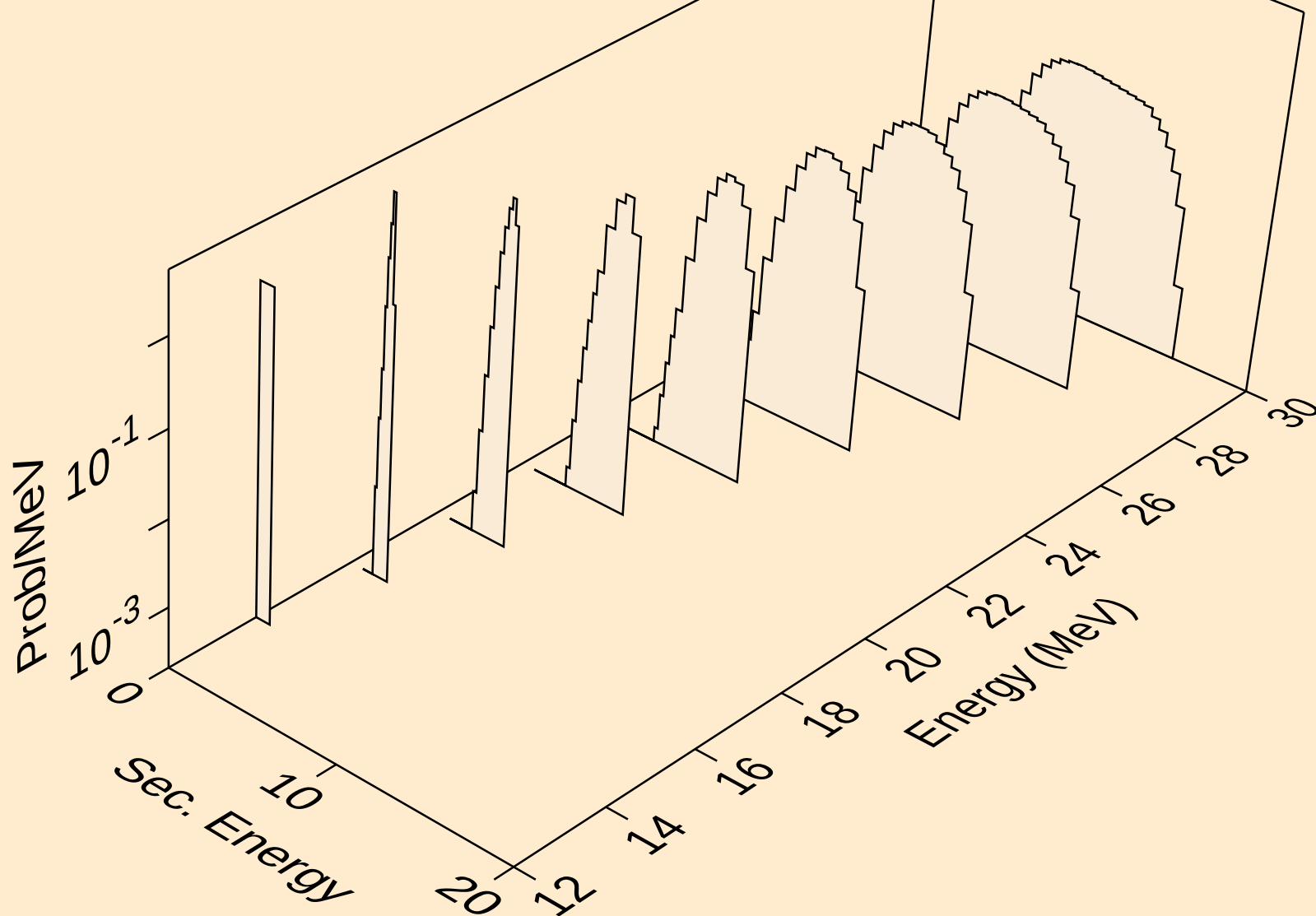
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deuterons from (n,da)



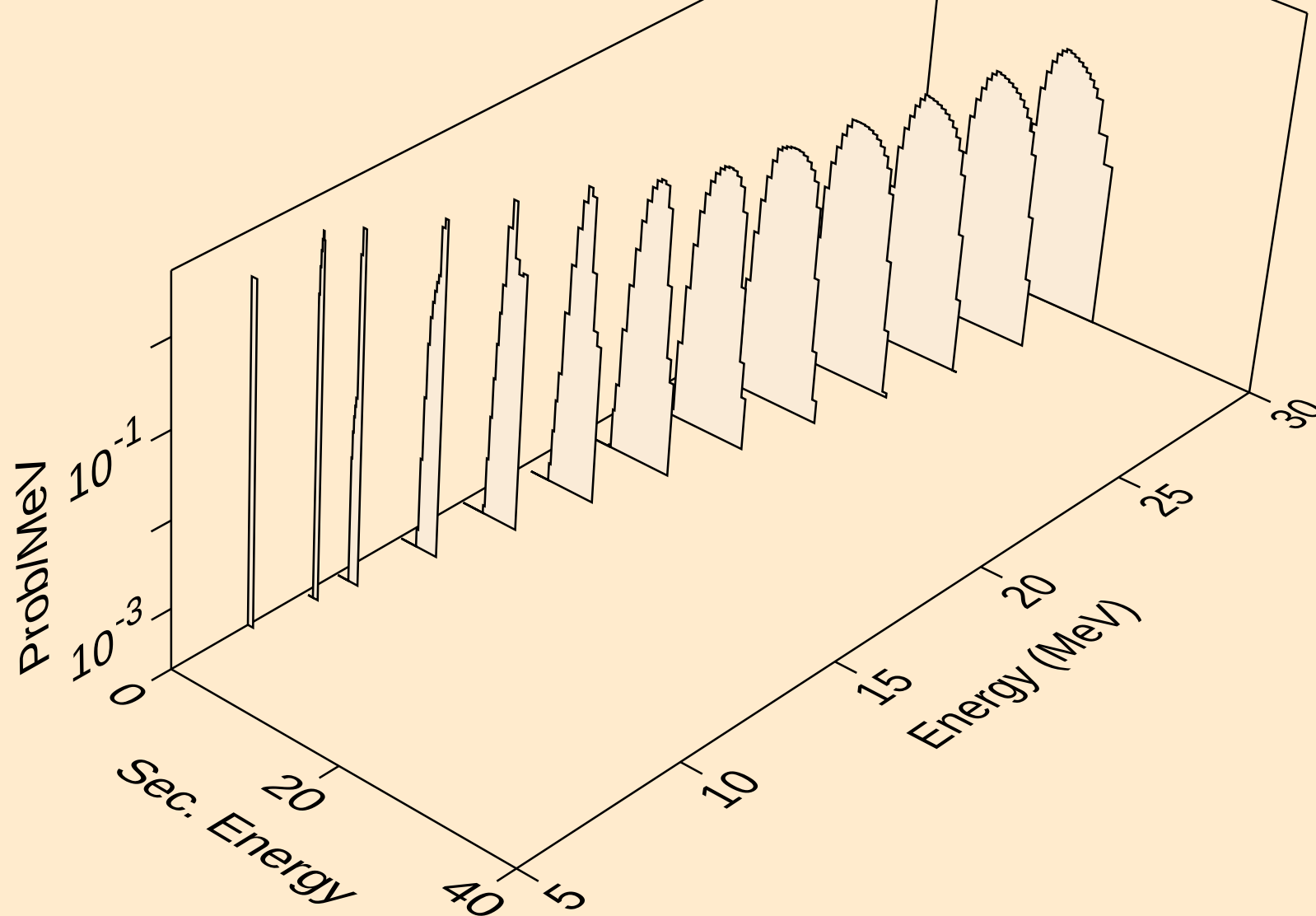
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t

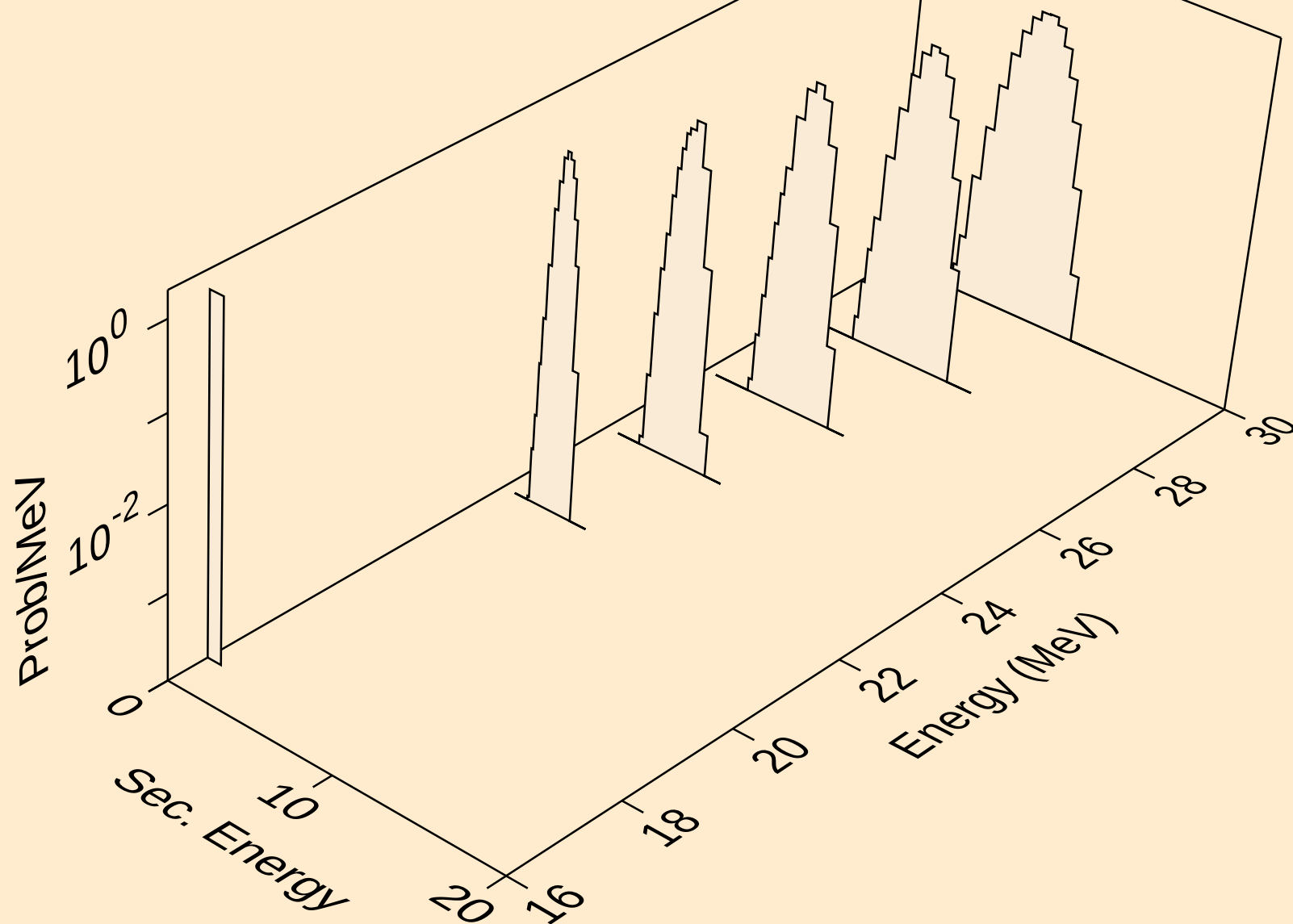


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)

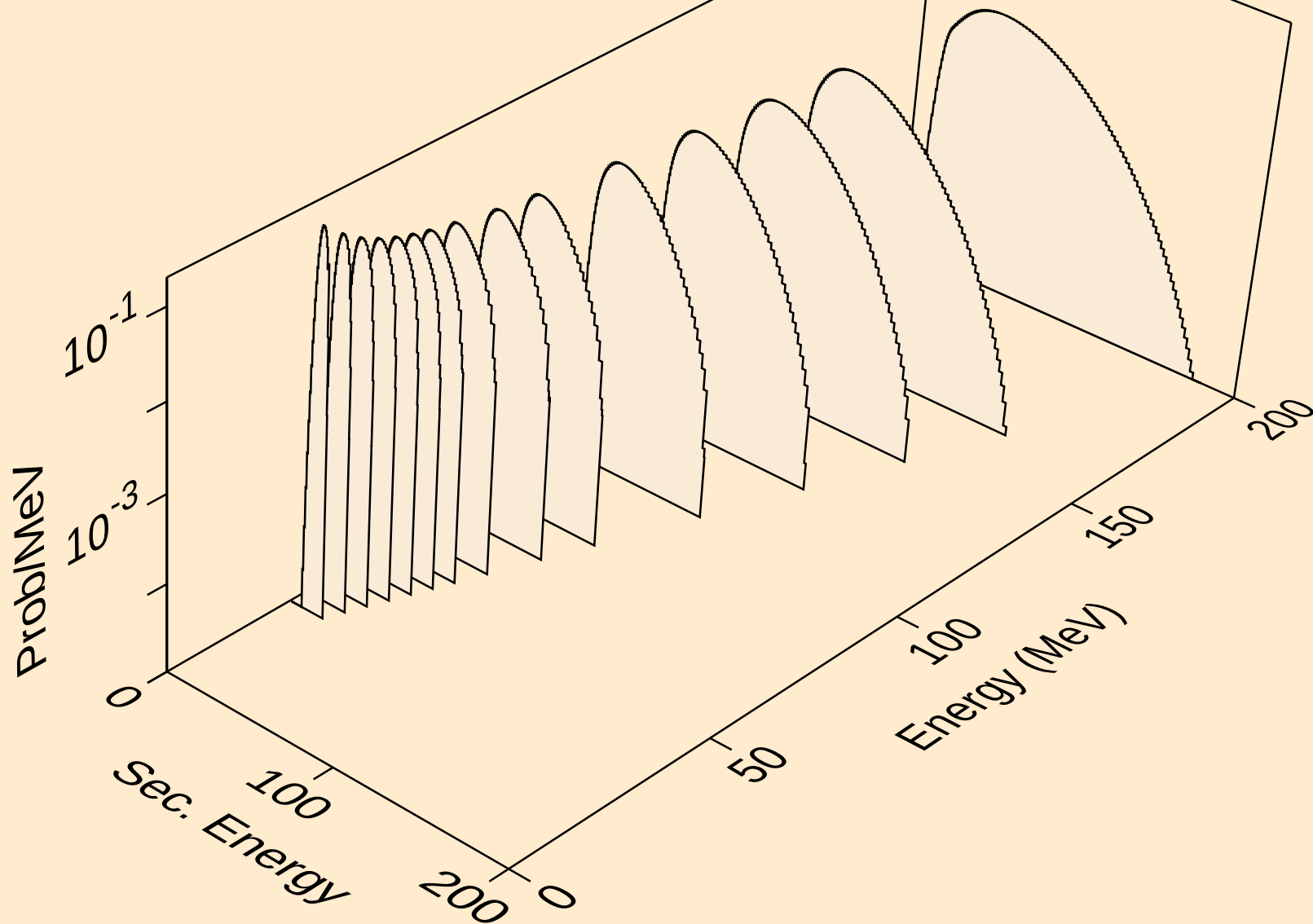




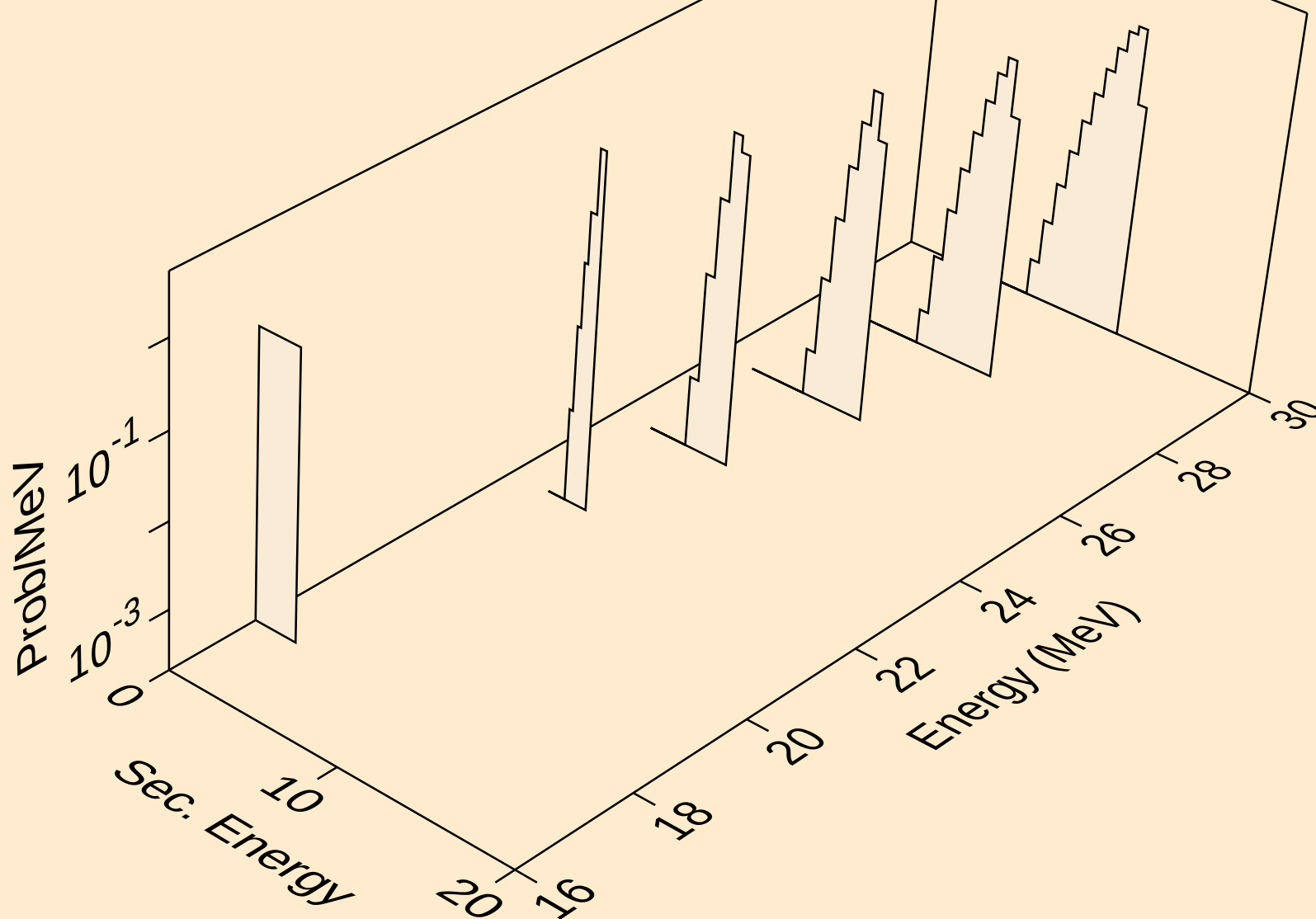
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)



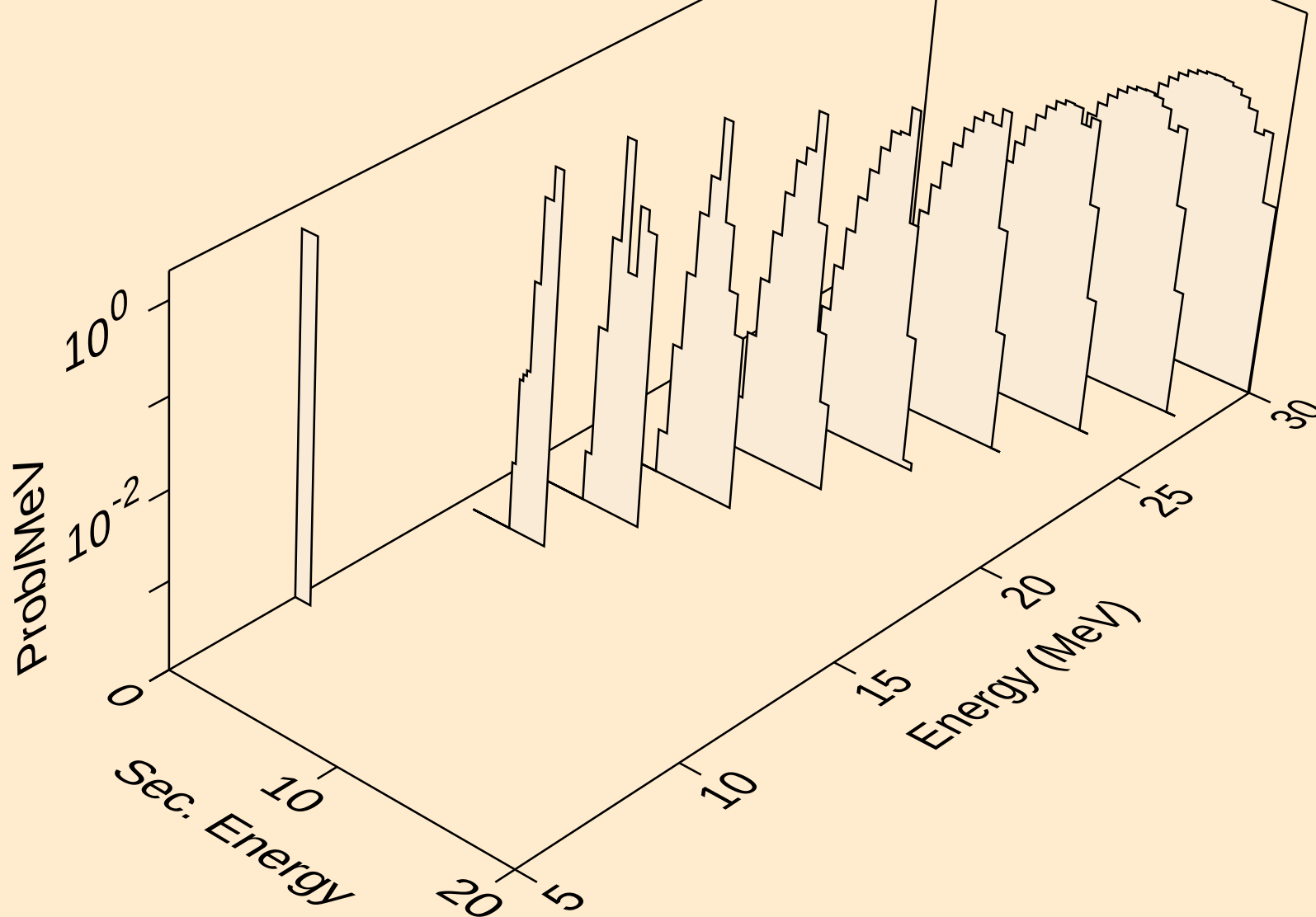
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



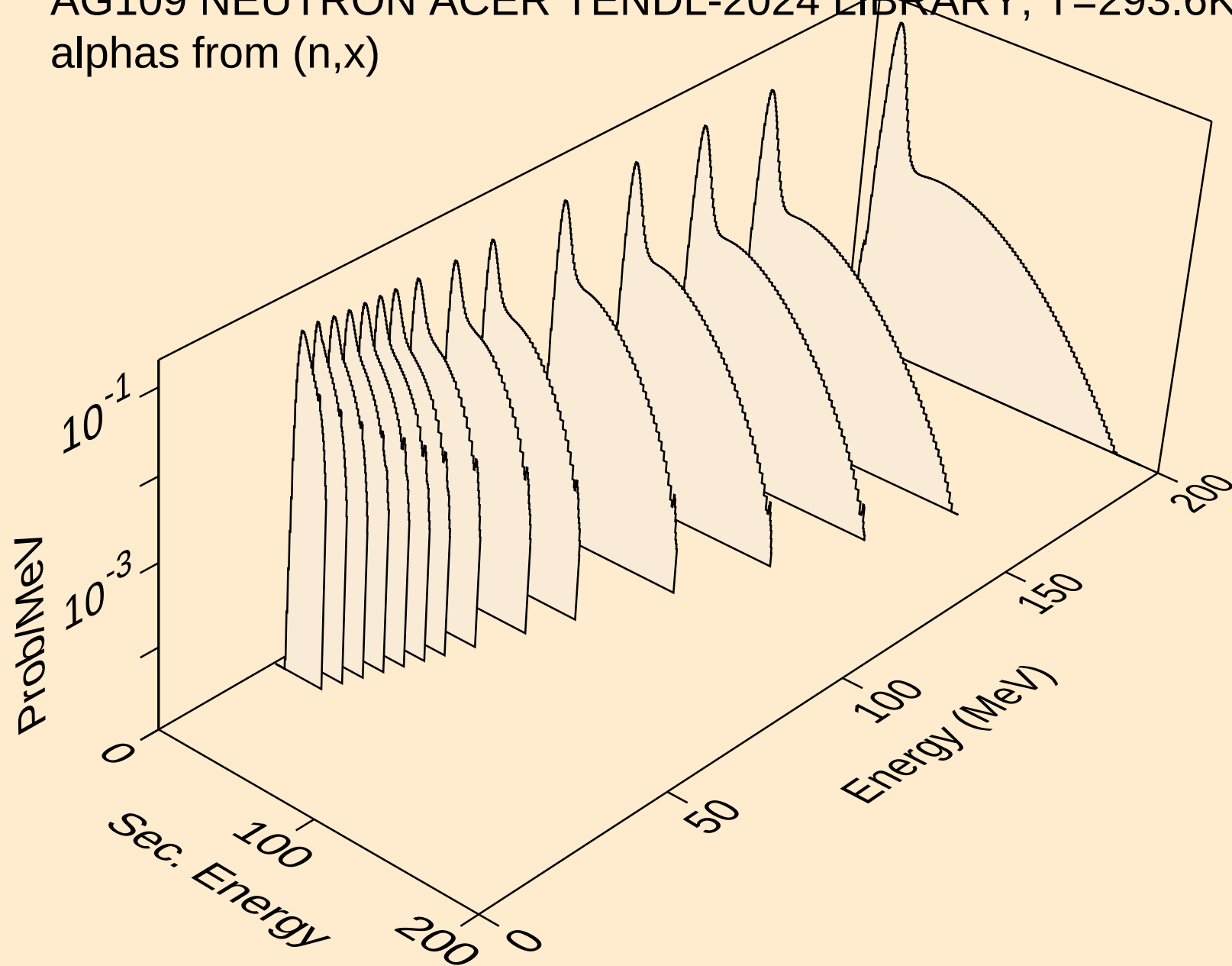
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



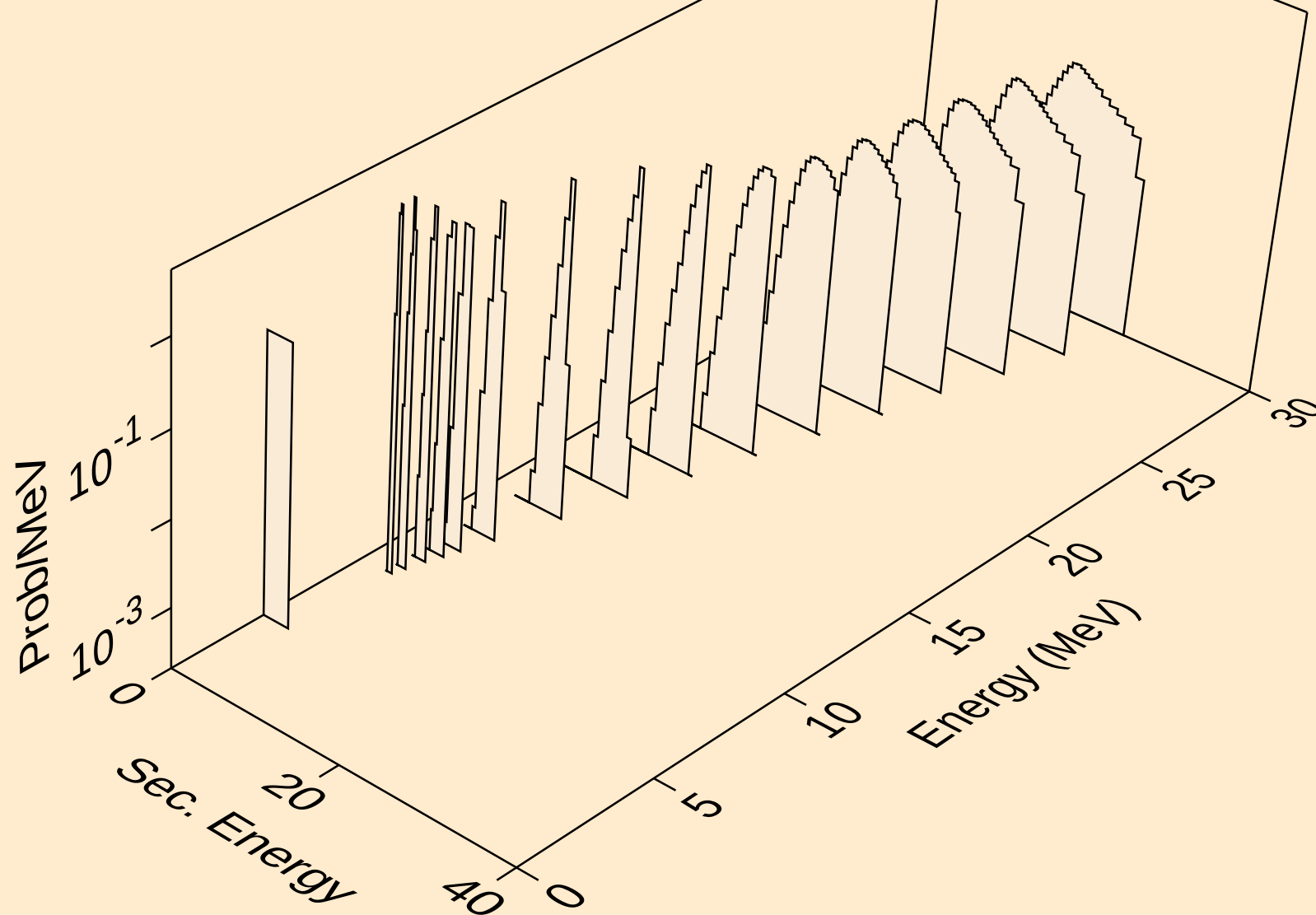
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



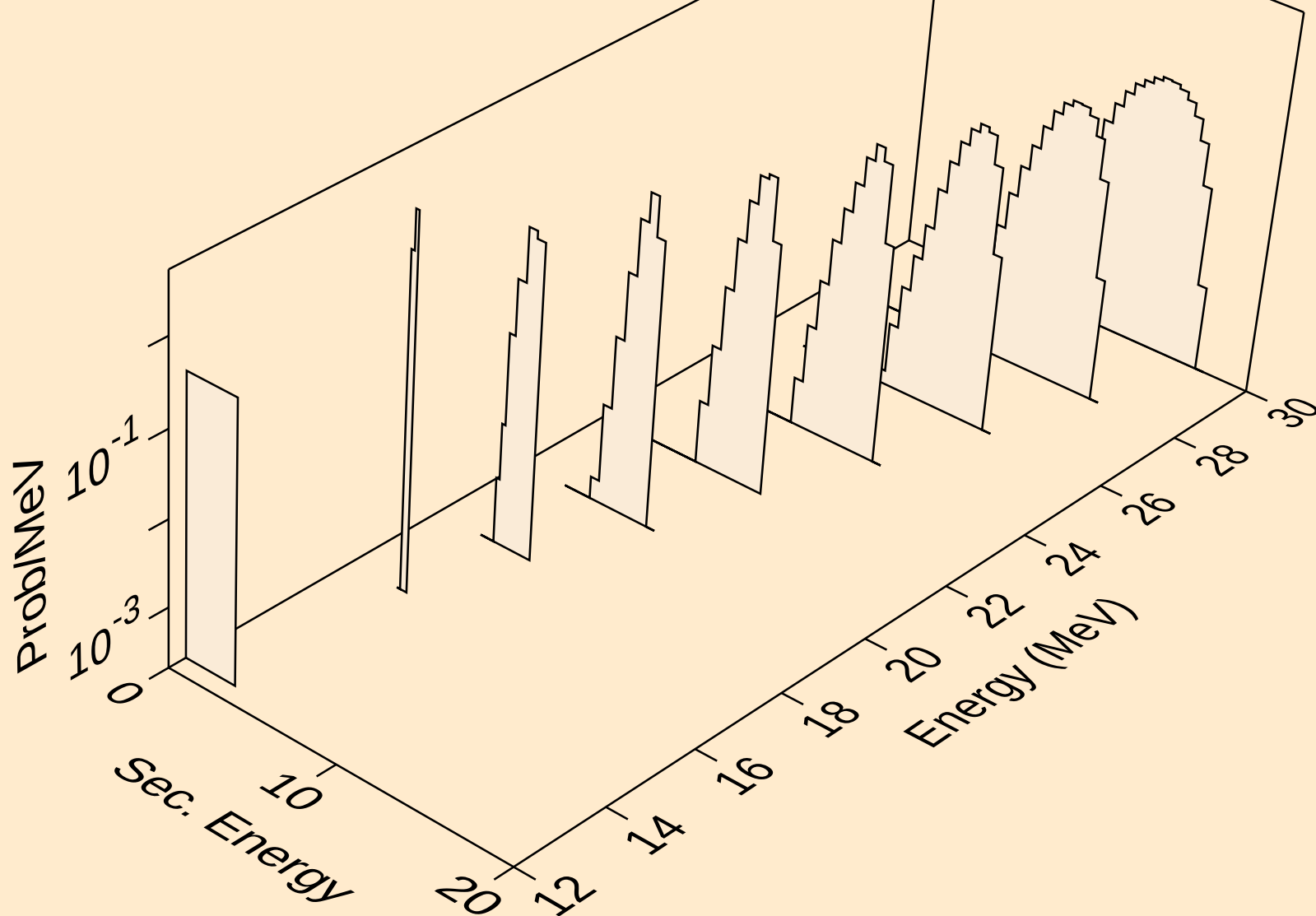
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



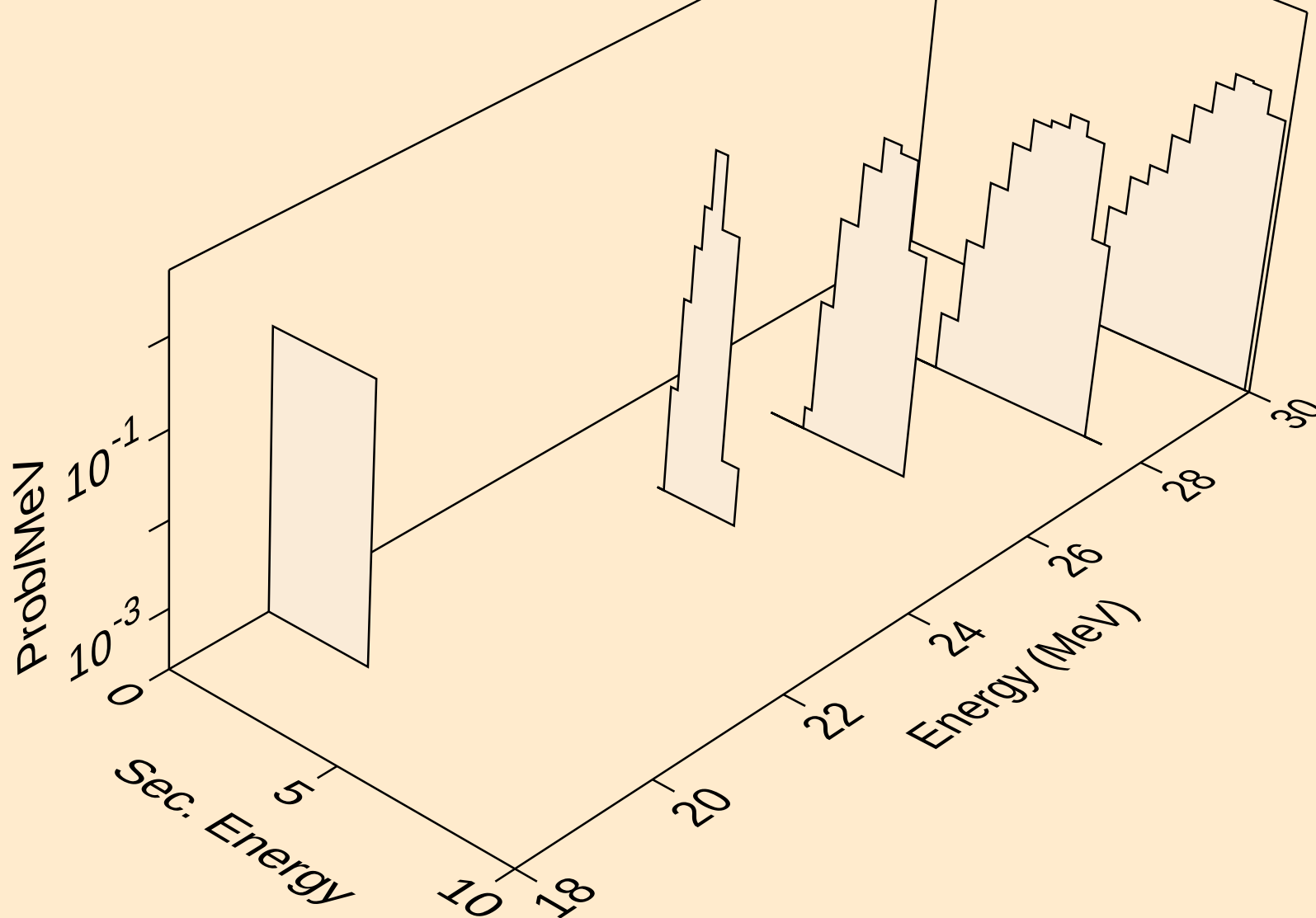
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a

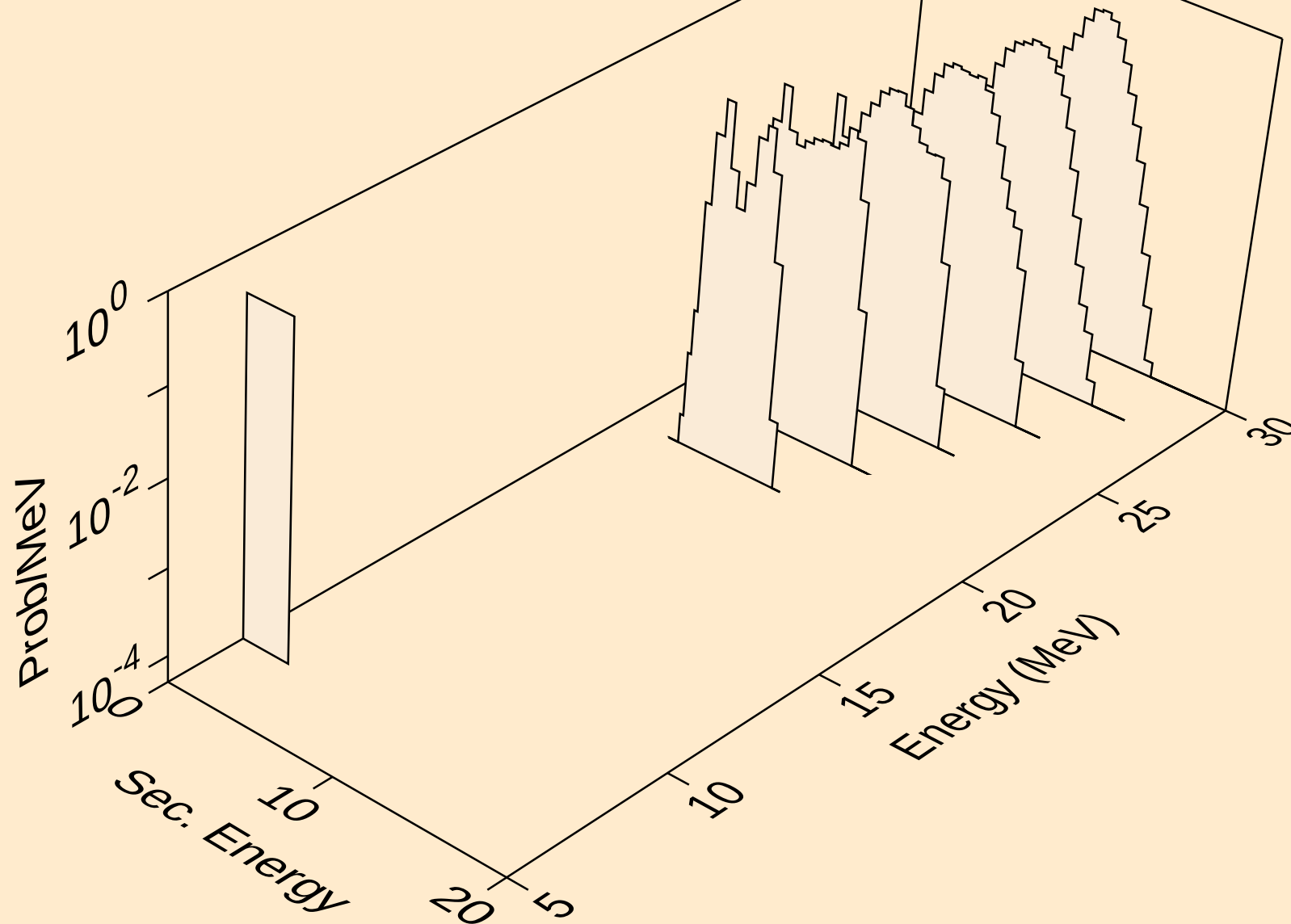


AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a

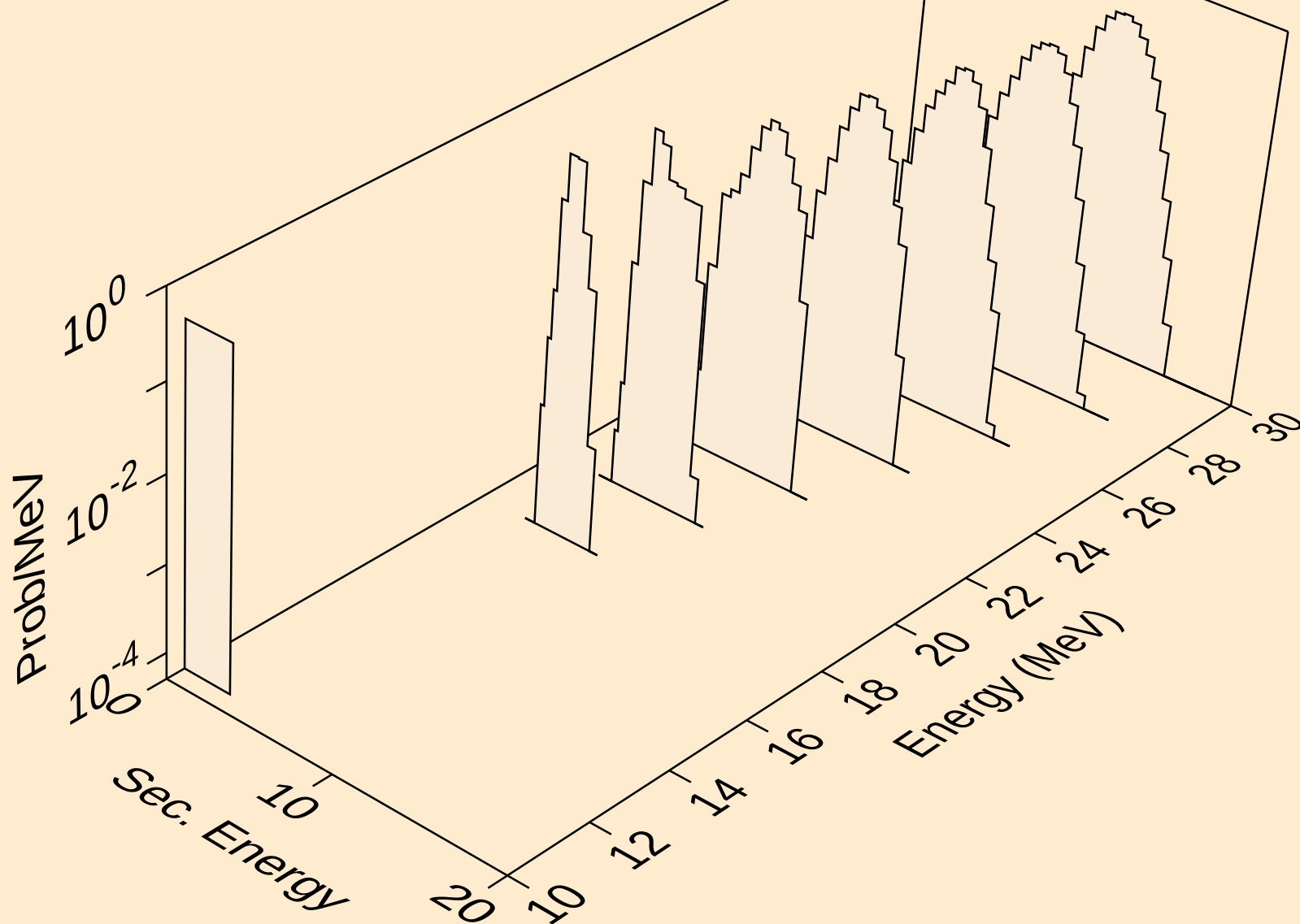




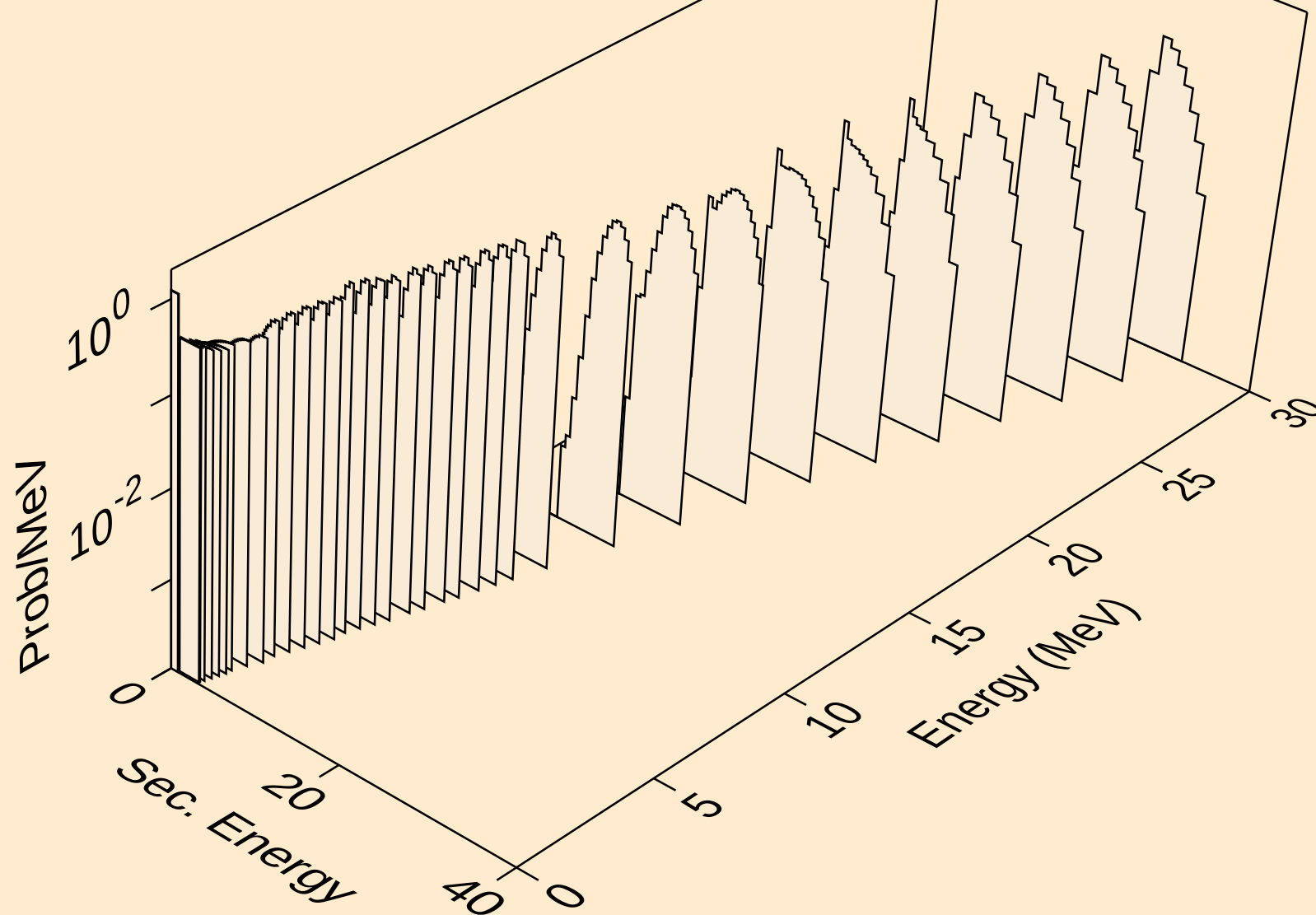
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



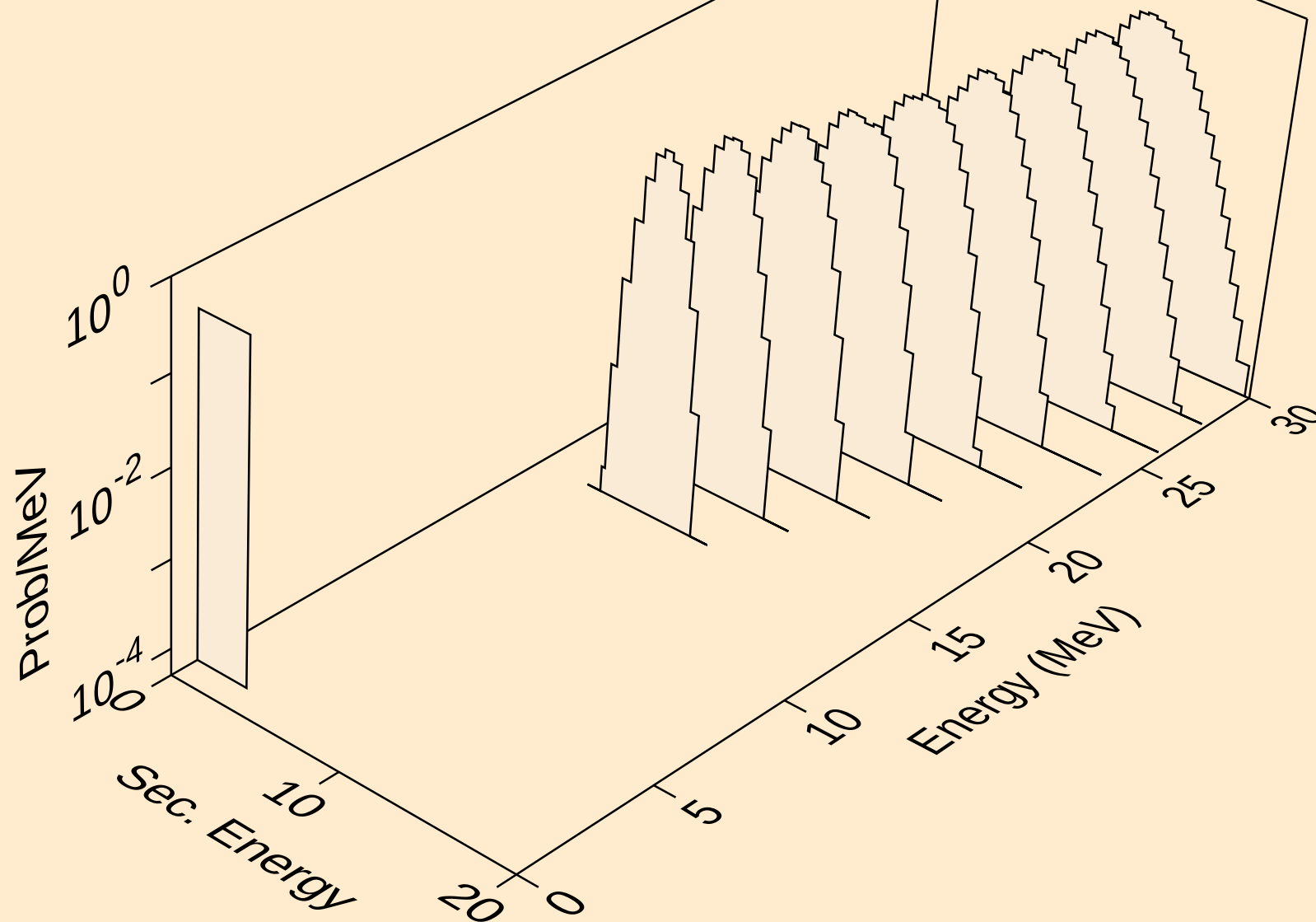
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



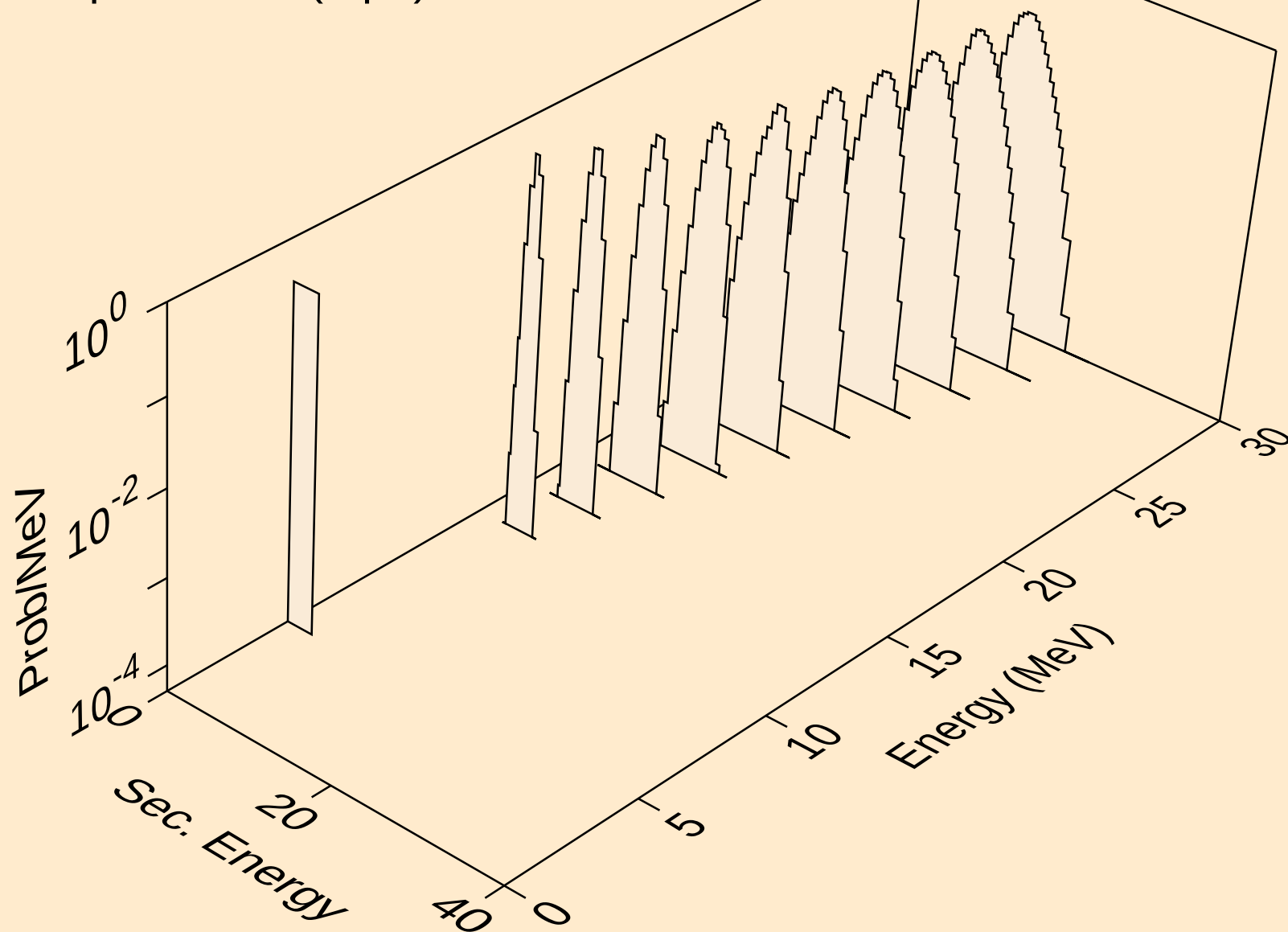
AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



AG109 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

