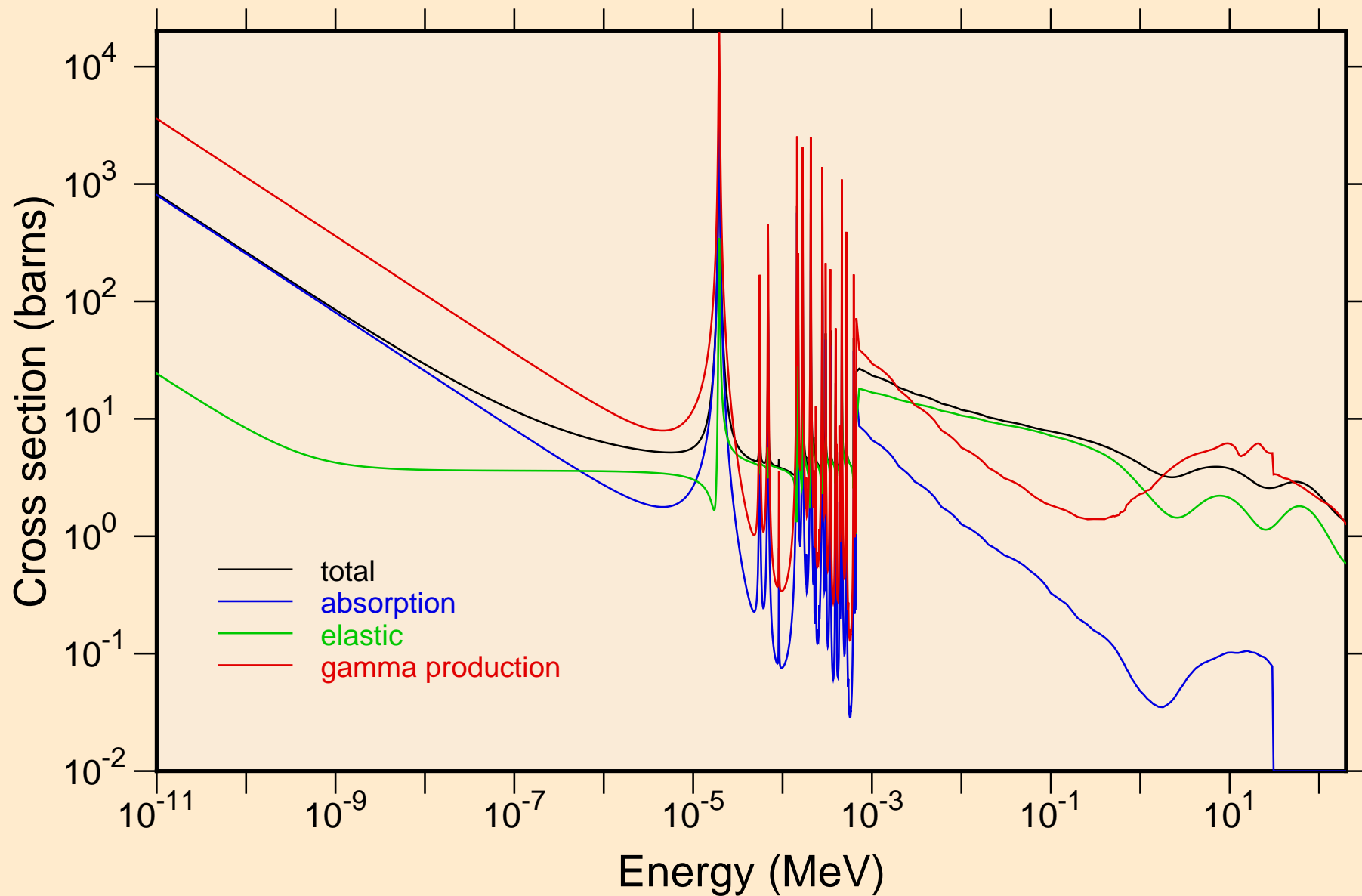
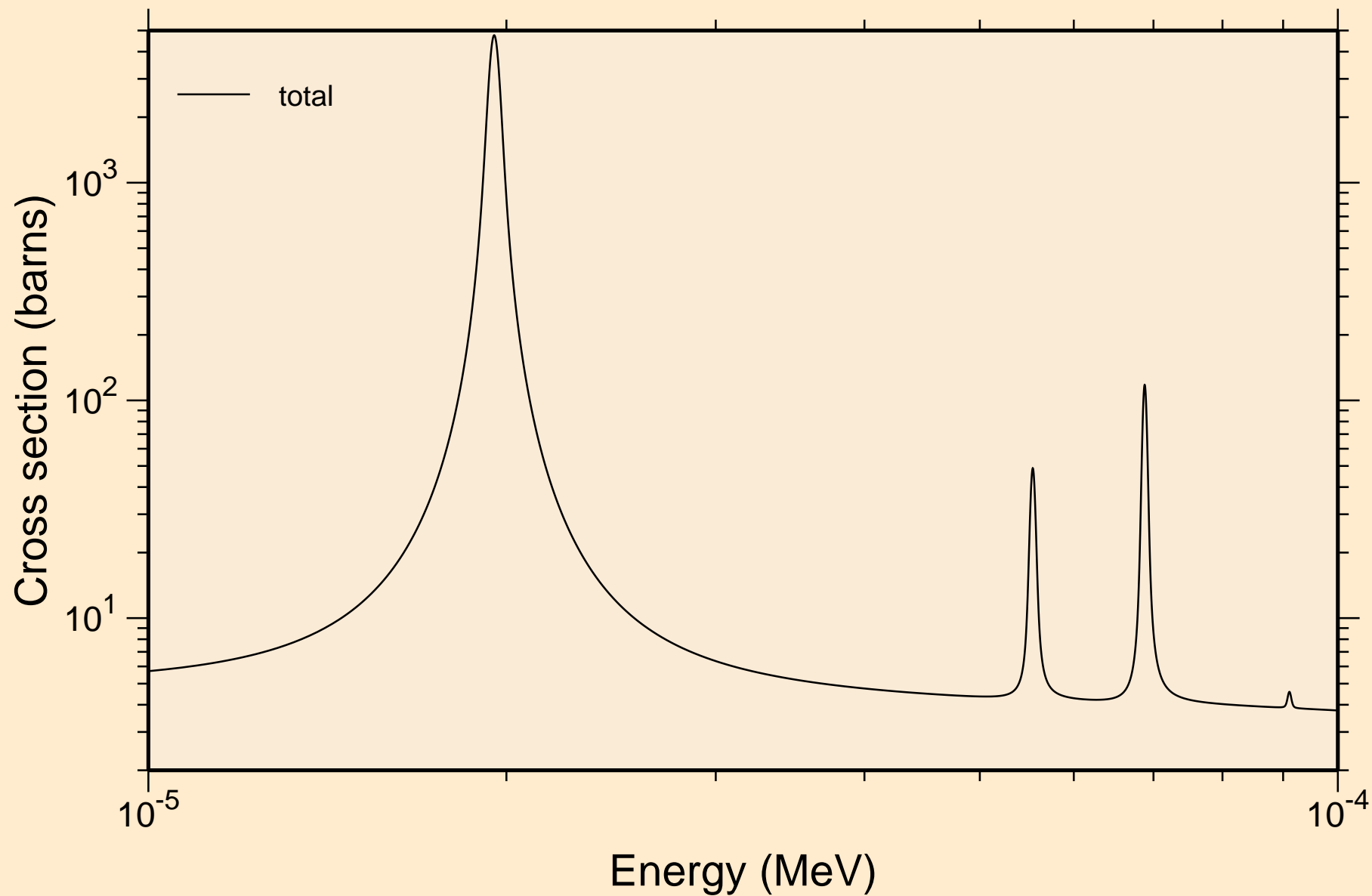


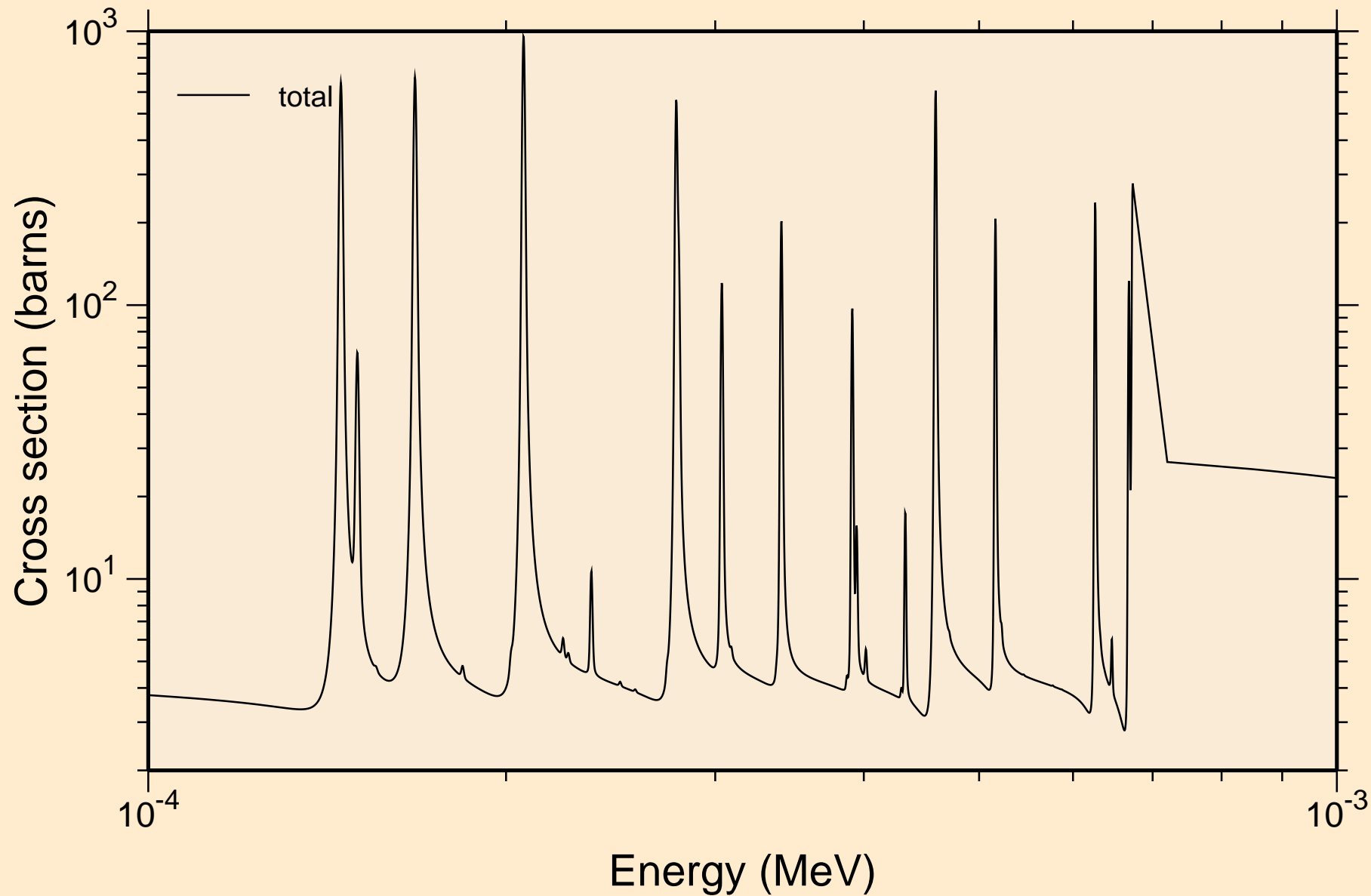
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



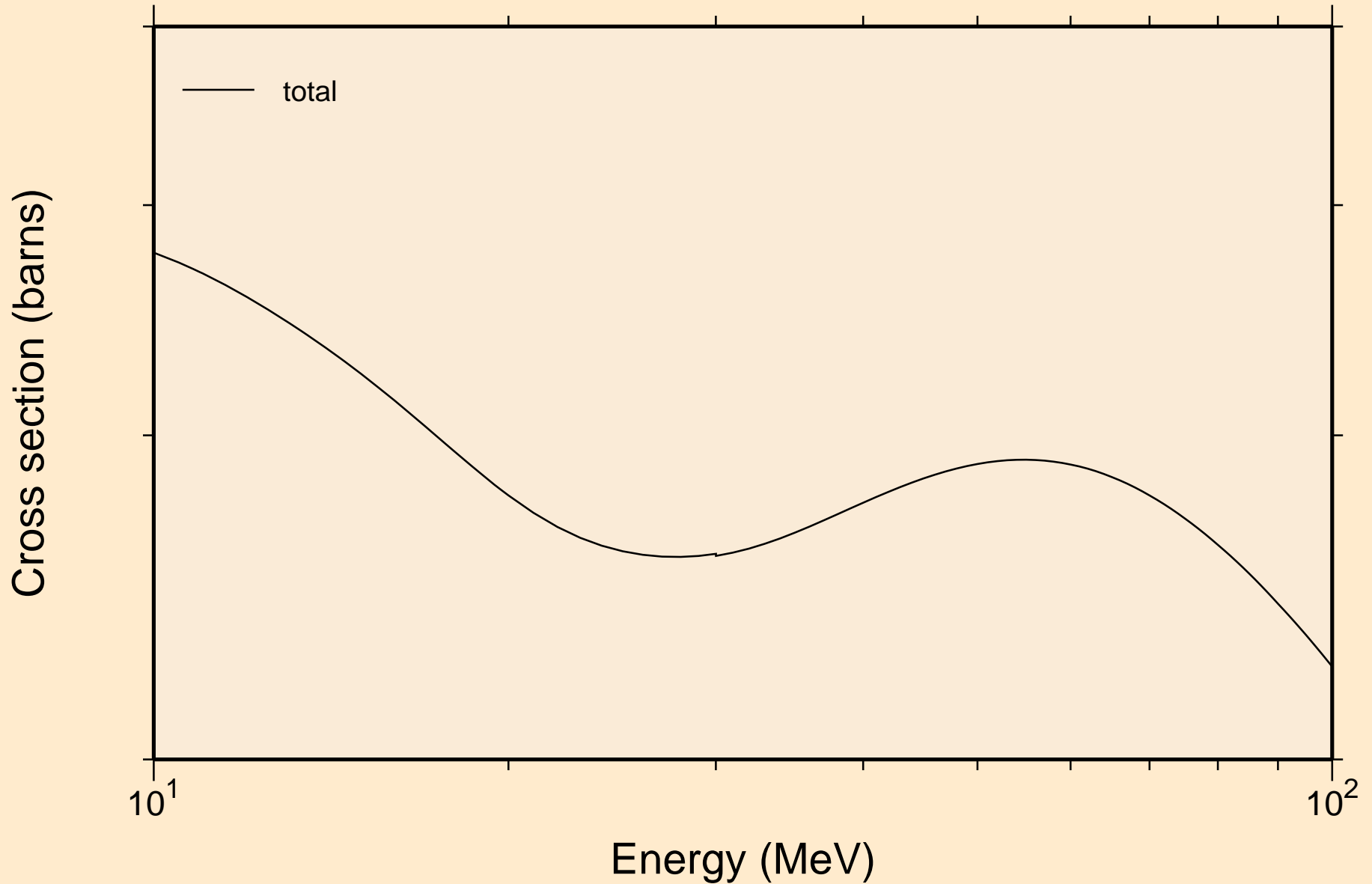
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resonance total cross section



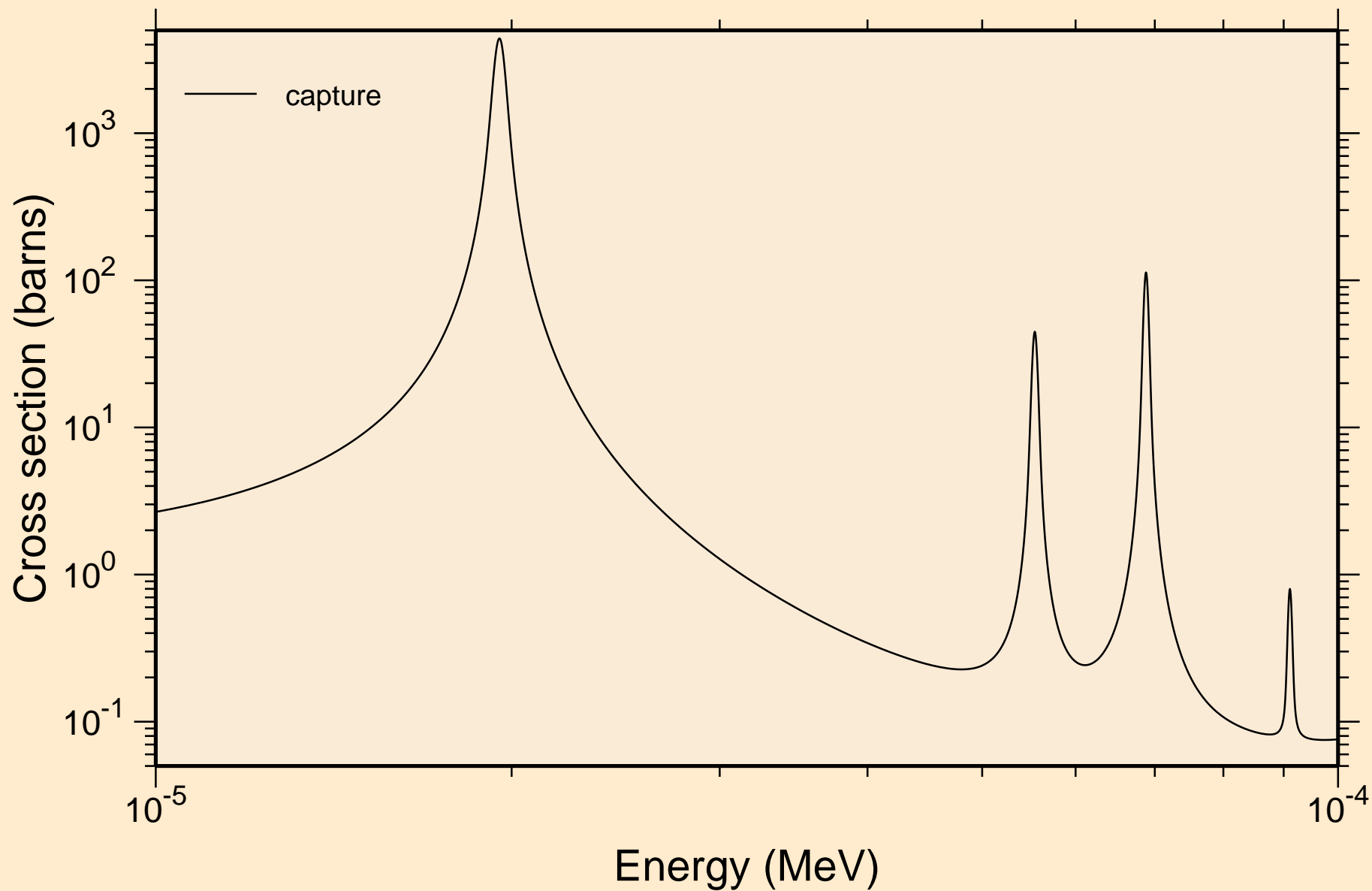
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resonance total cross section



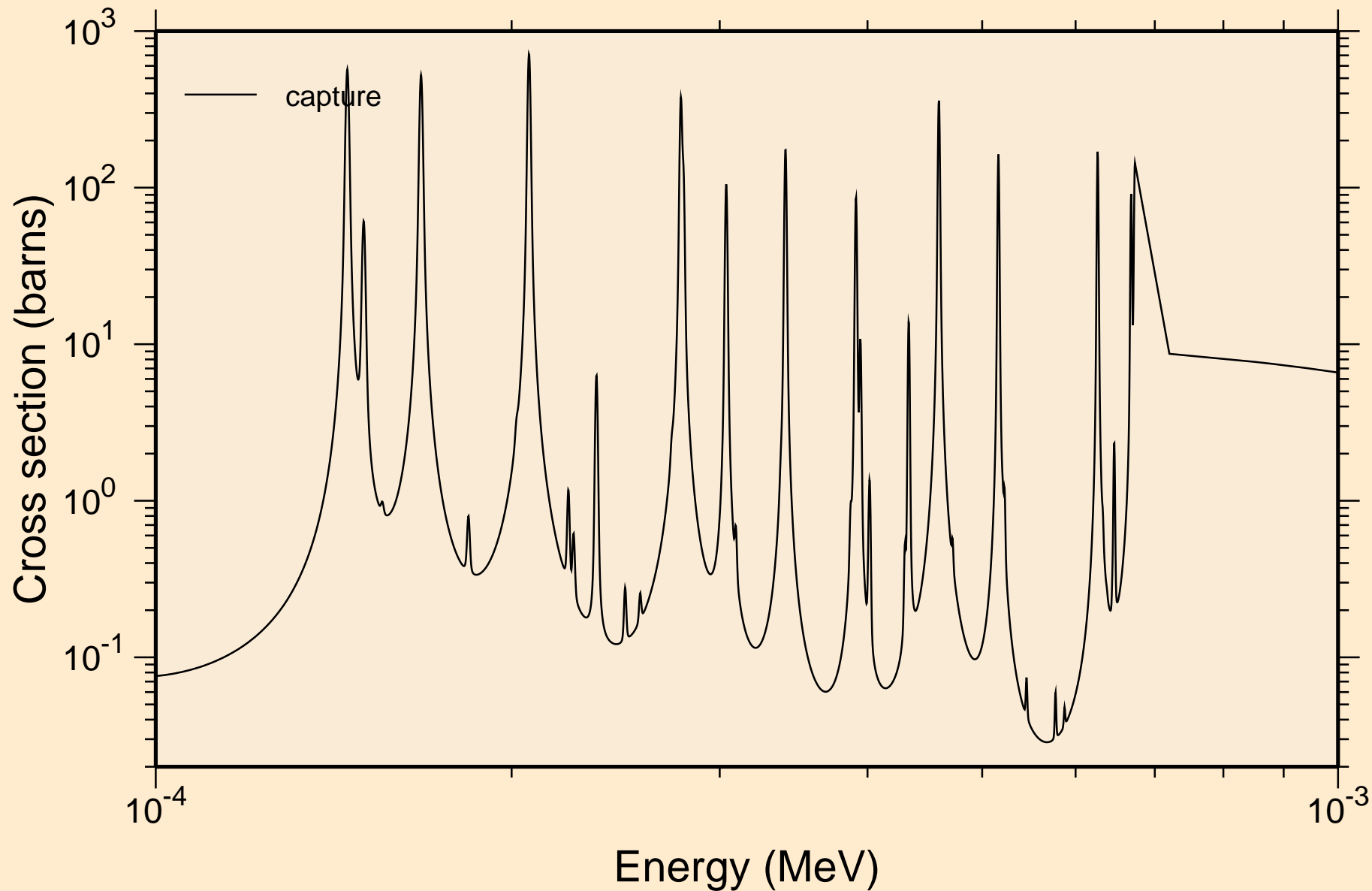
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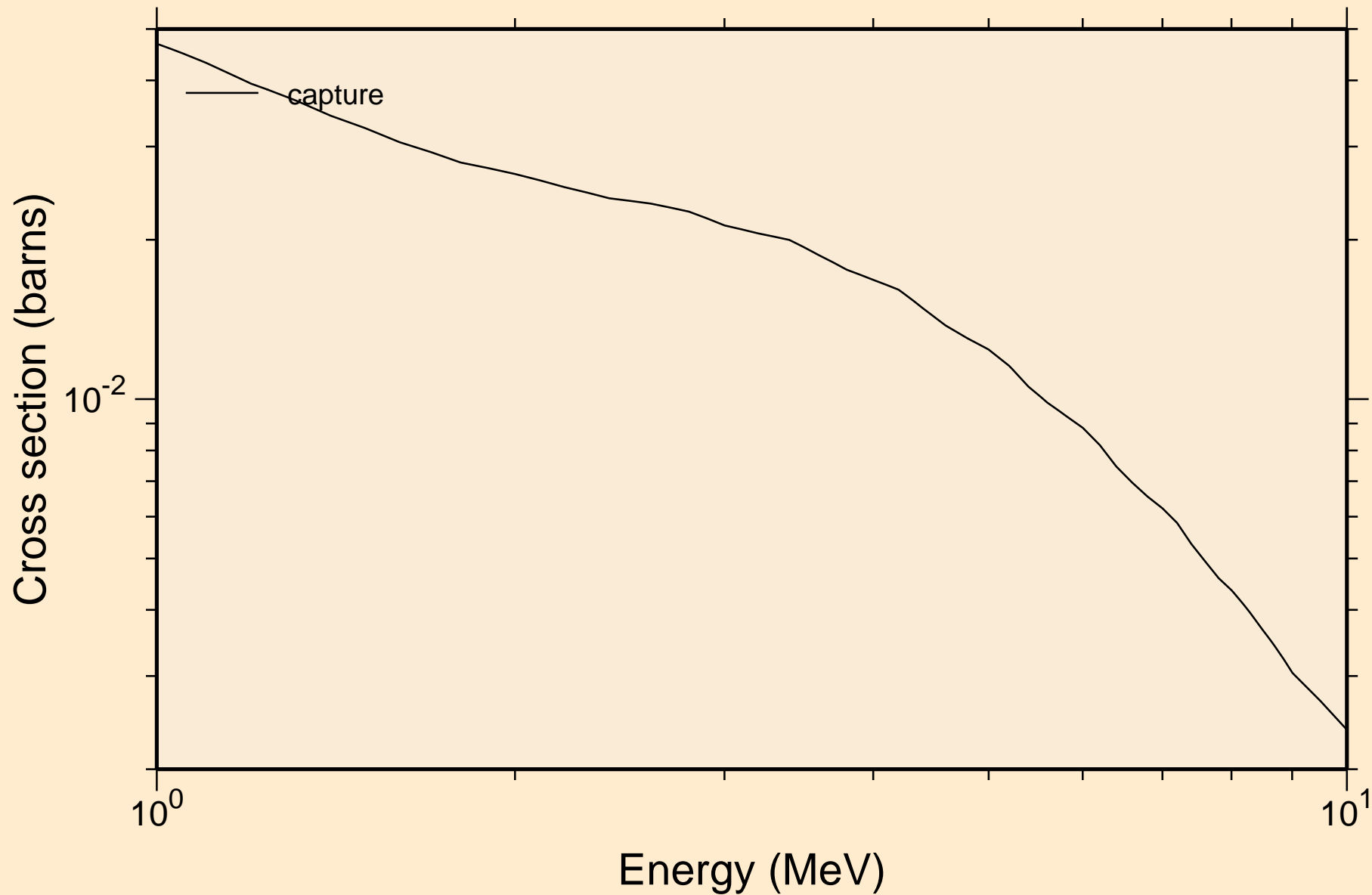
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



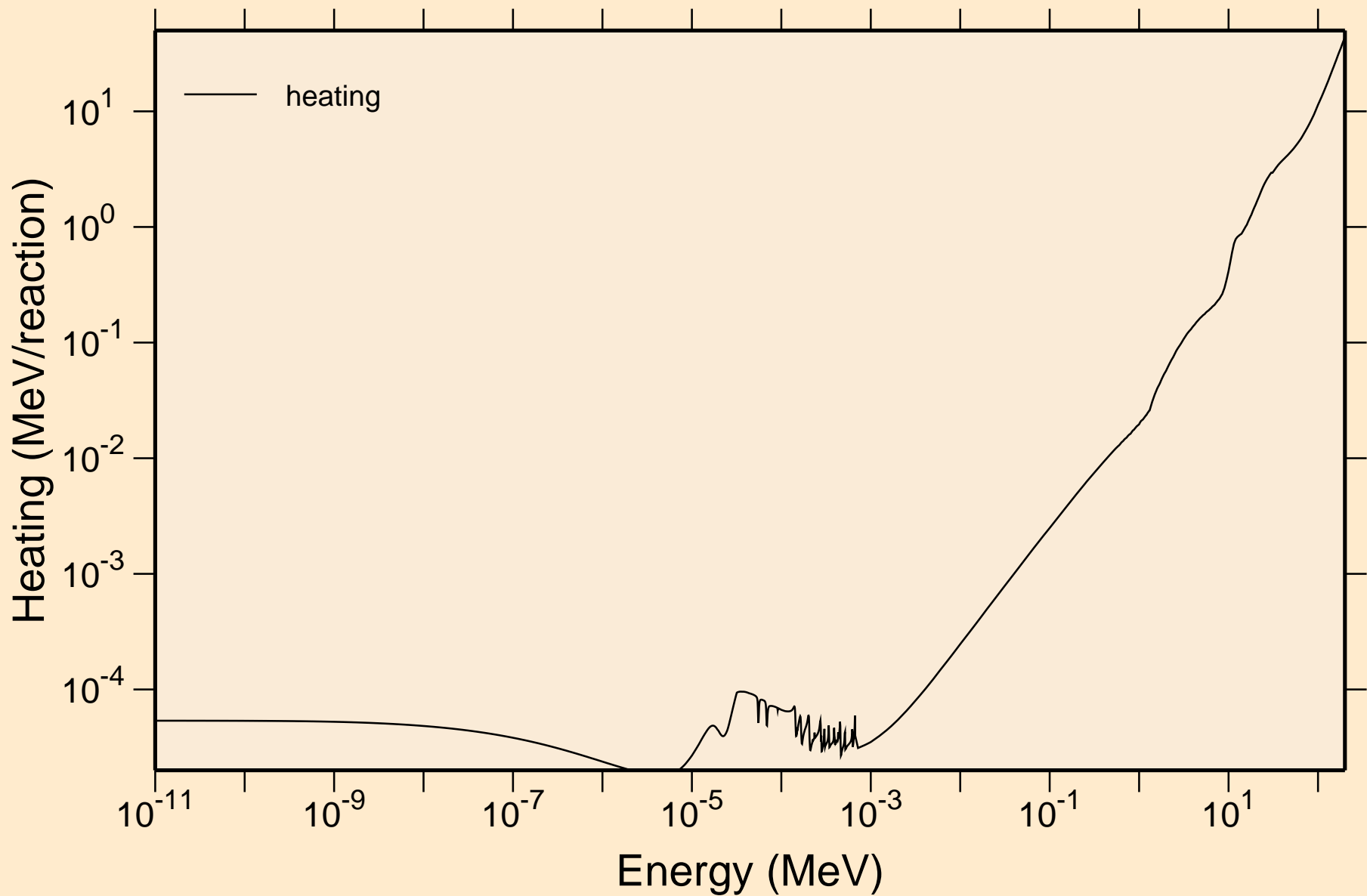
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

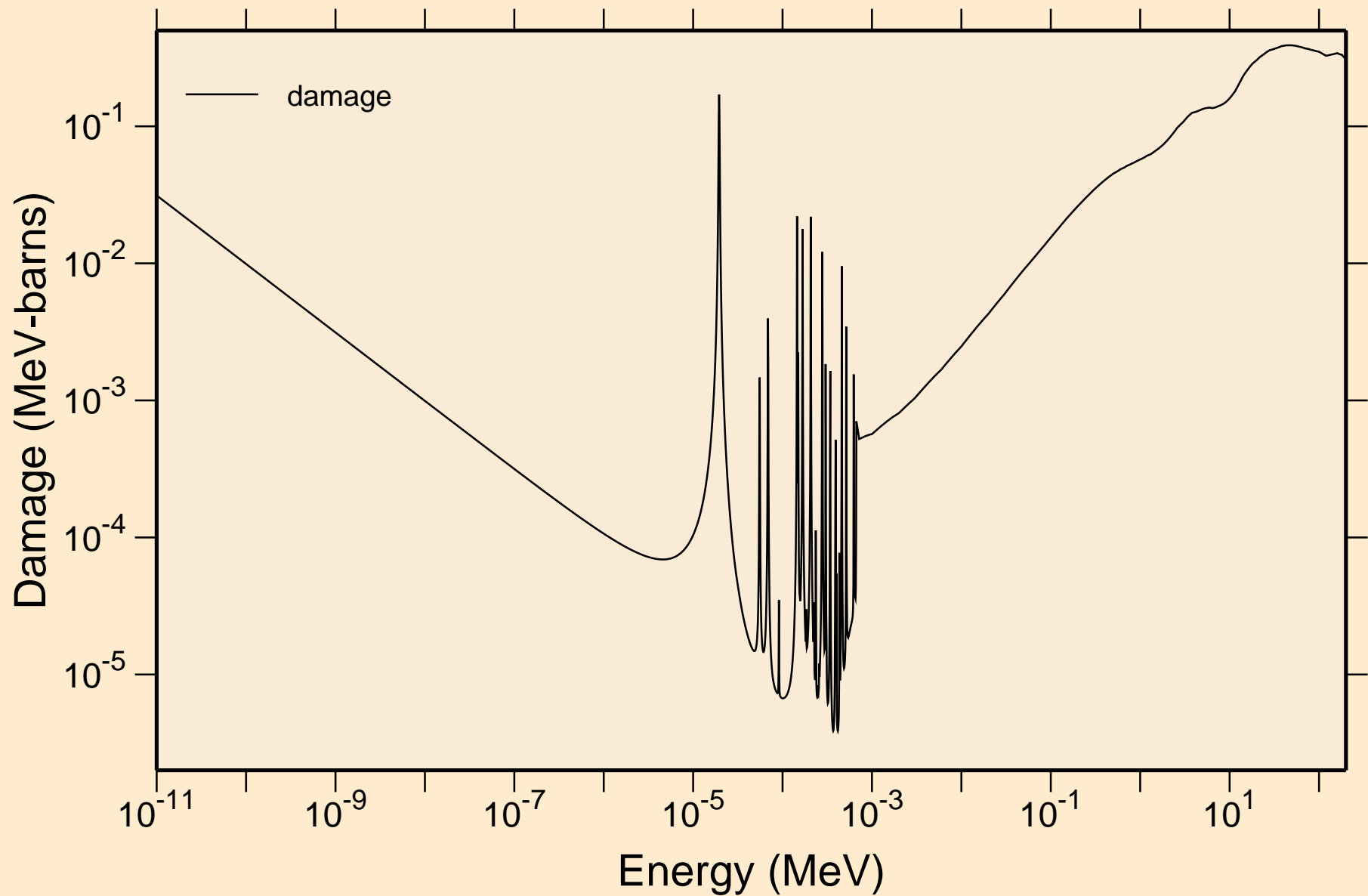


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

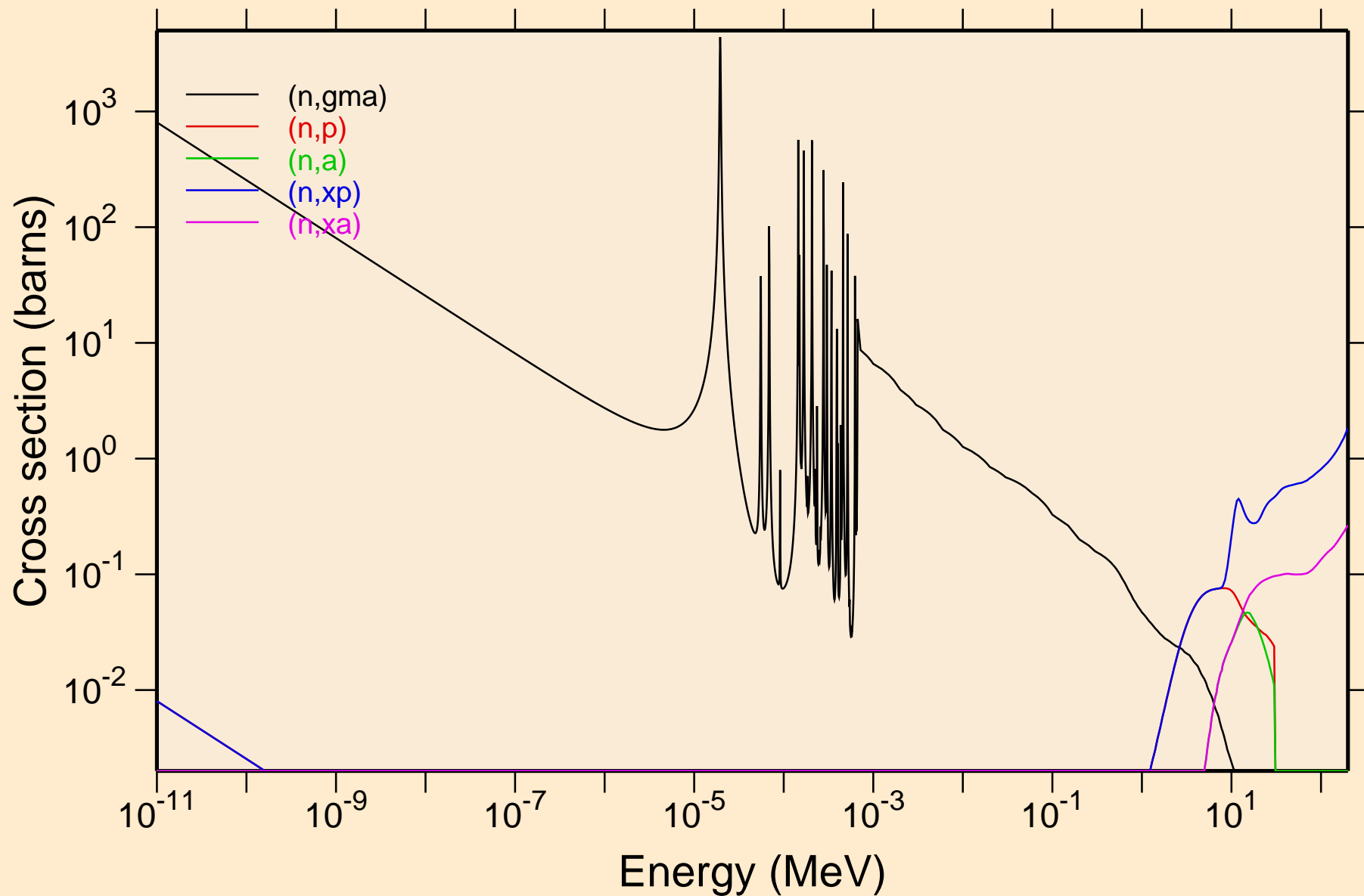




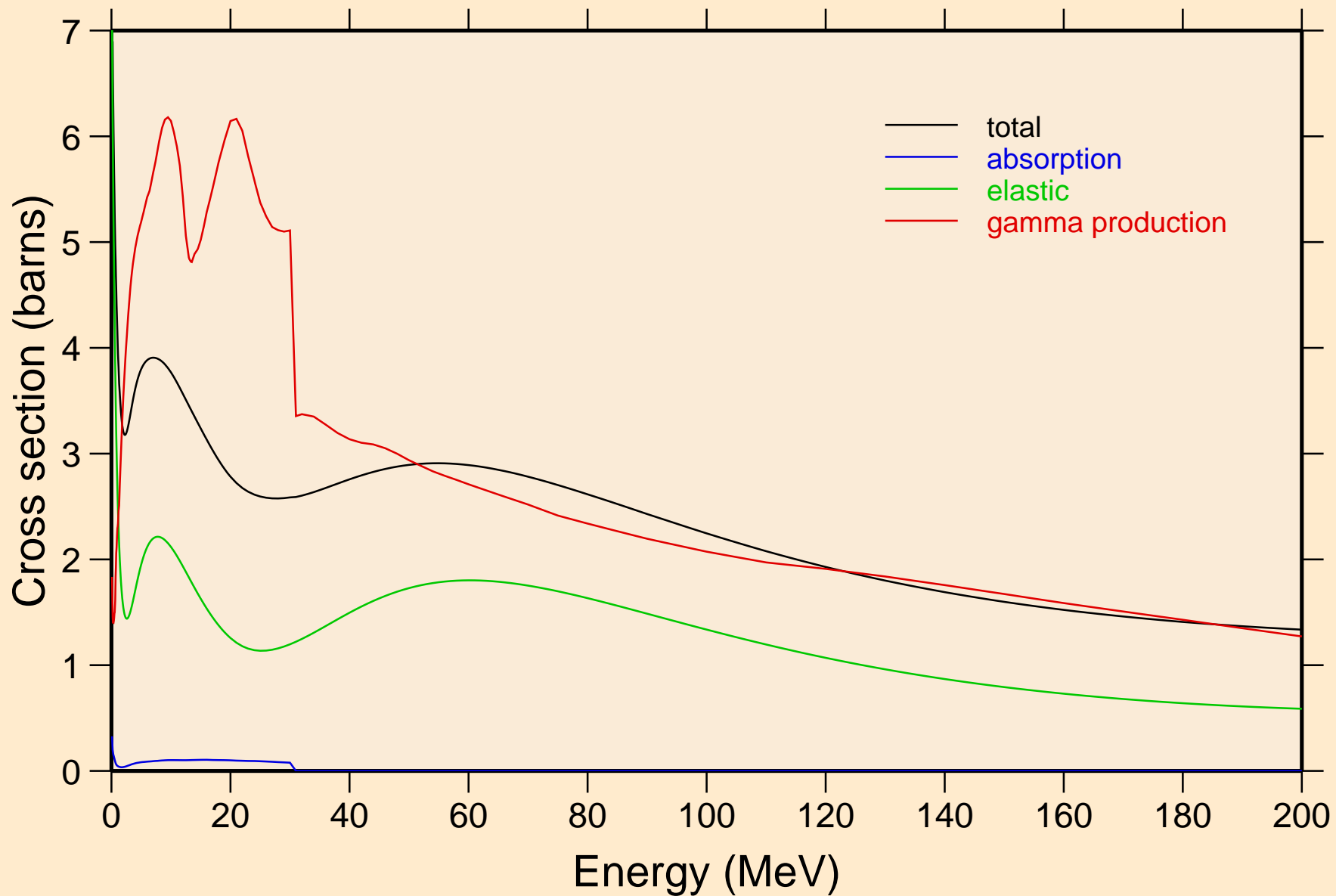
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Damage



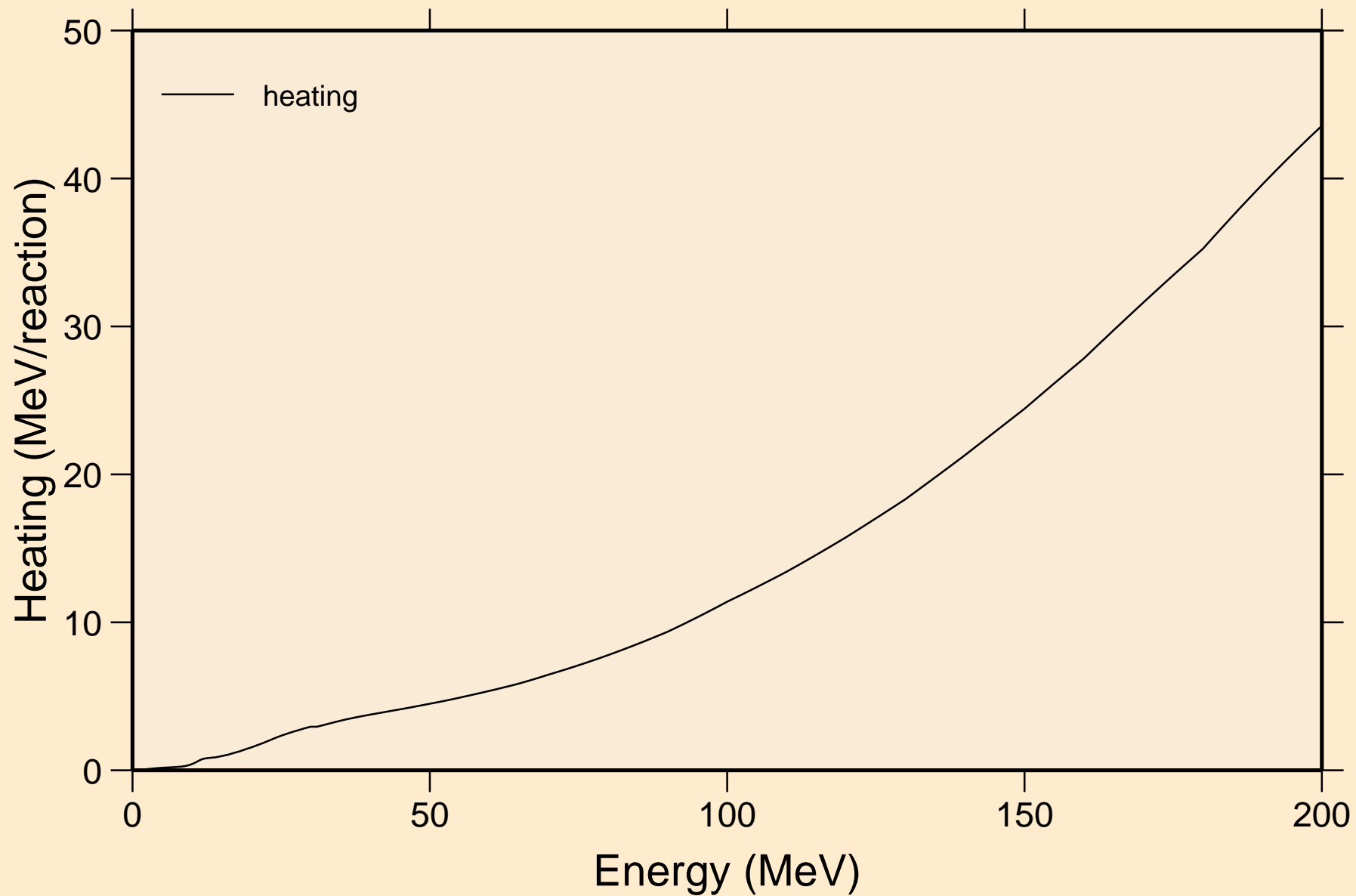
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



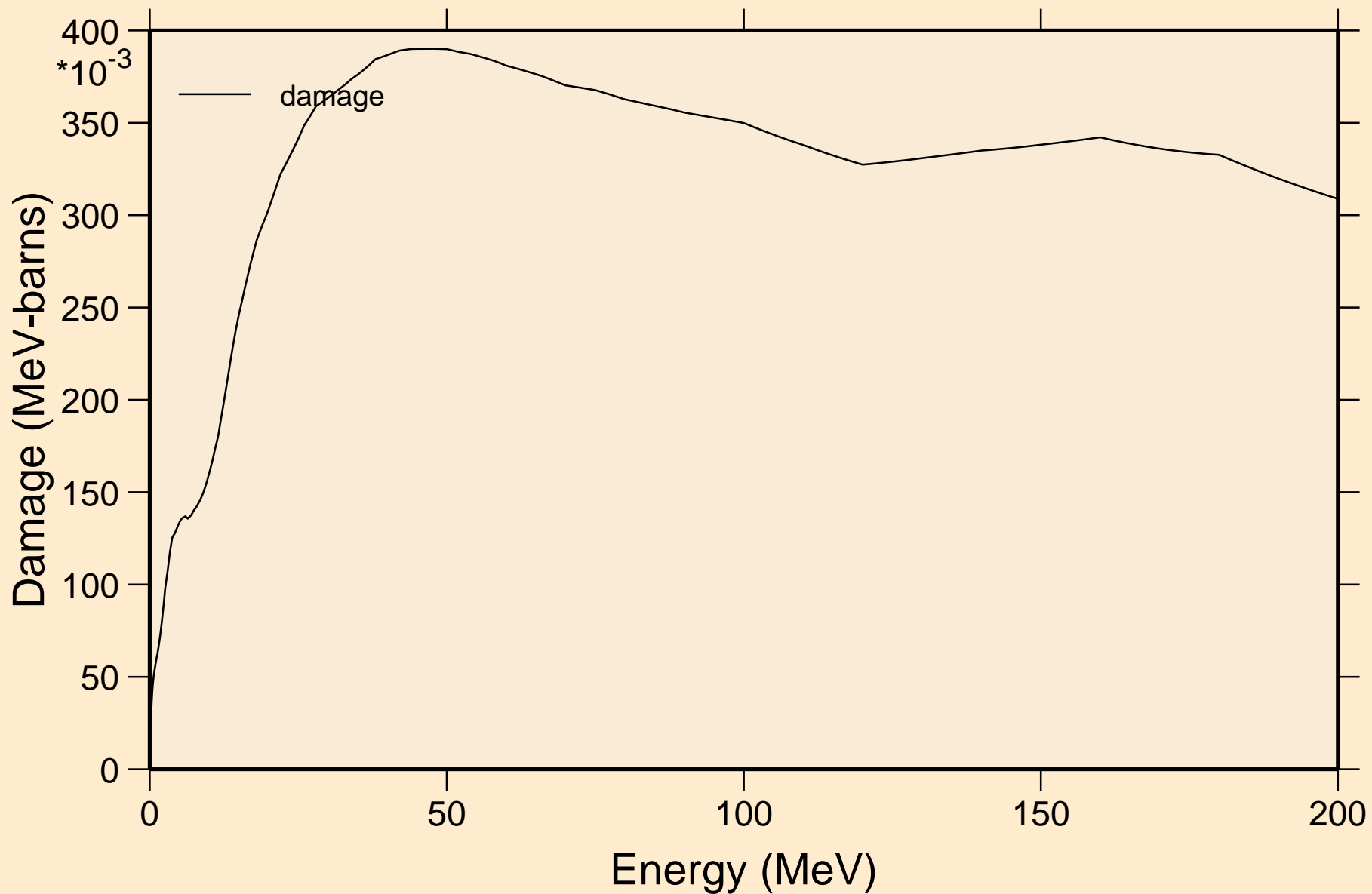
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Principal cross sections



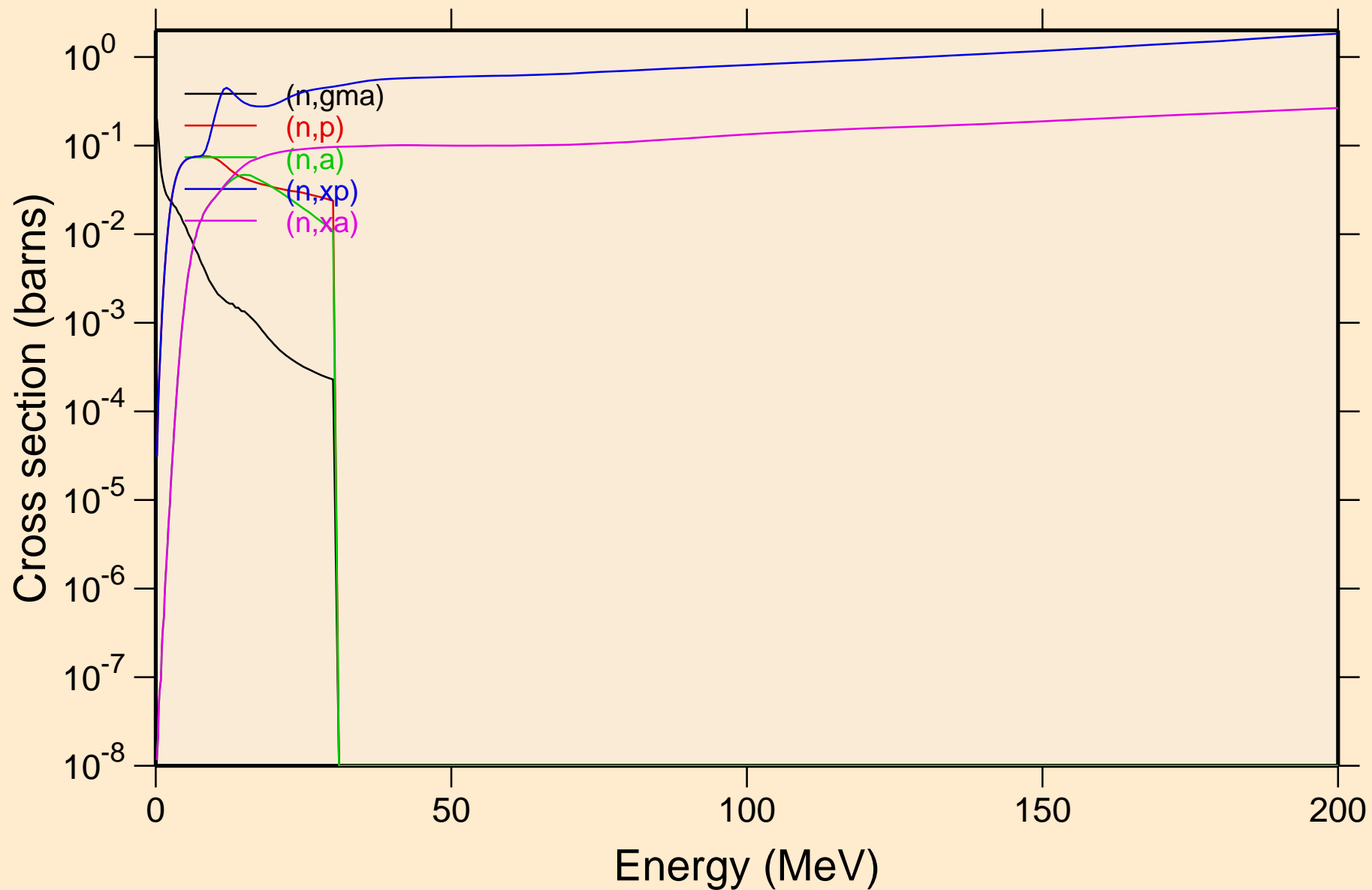
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



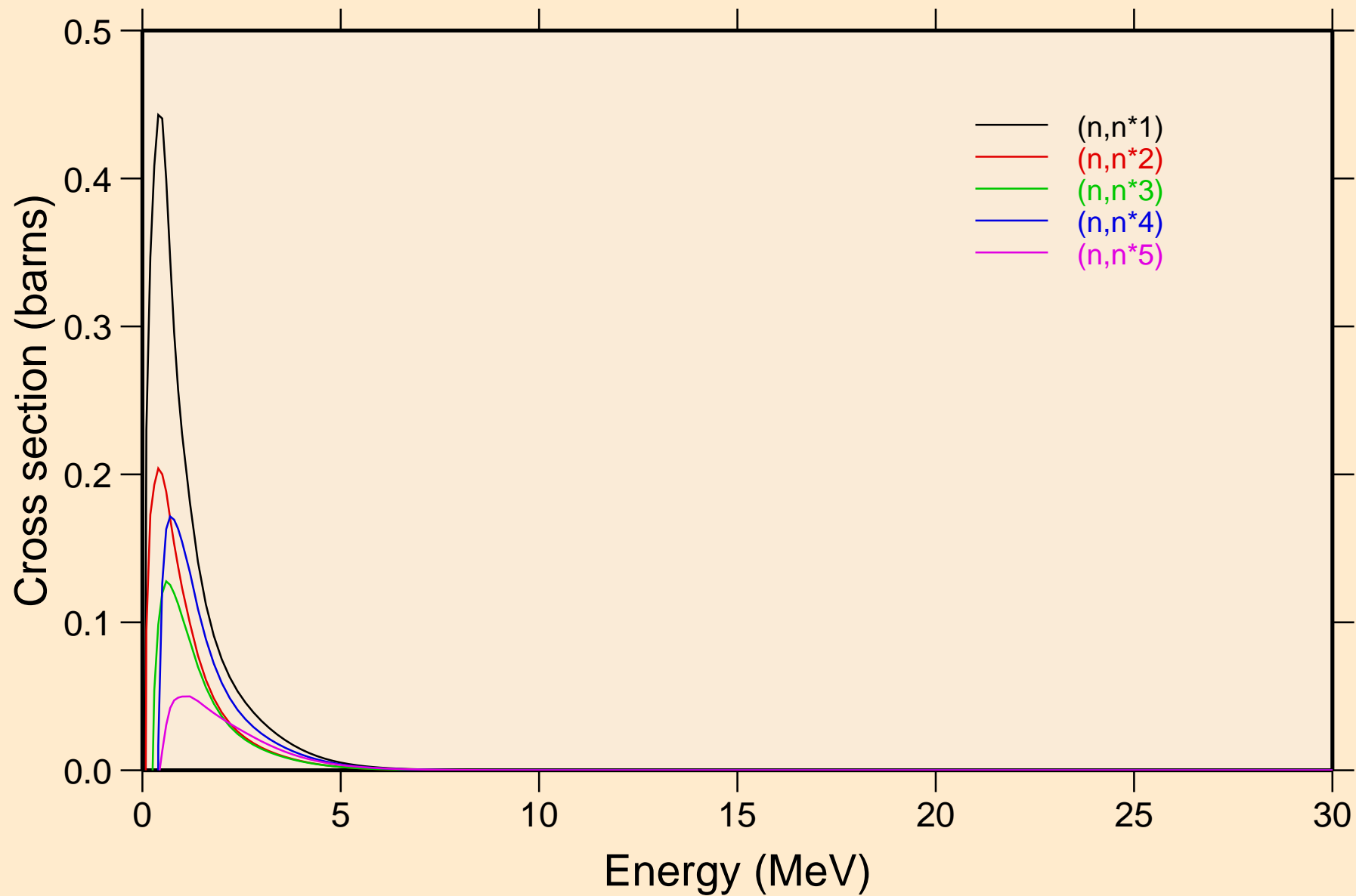
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



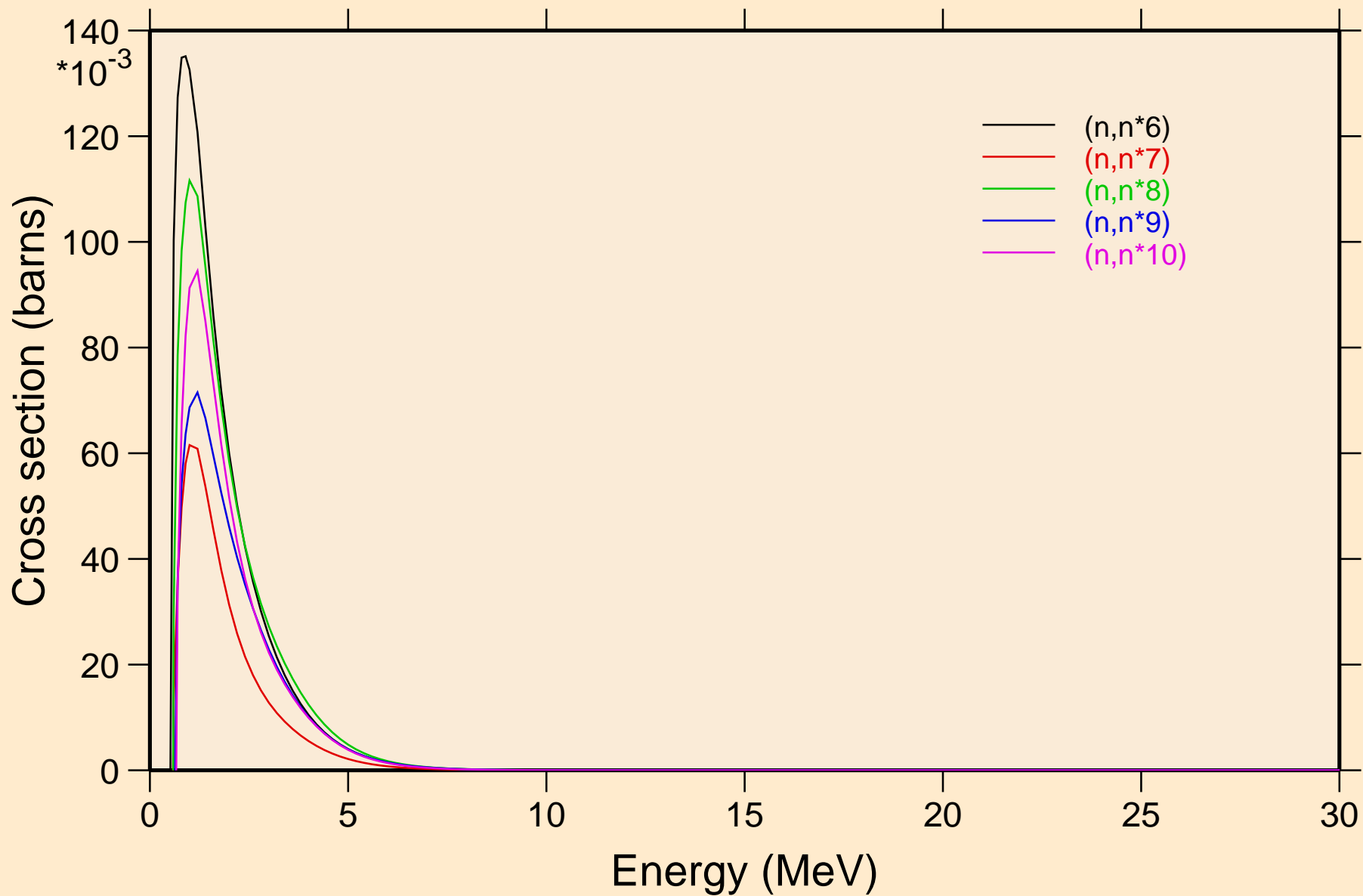
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

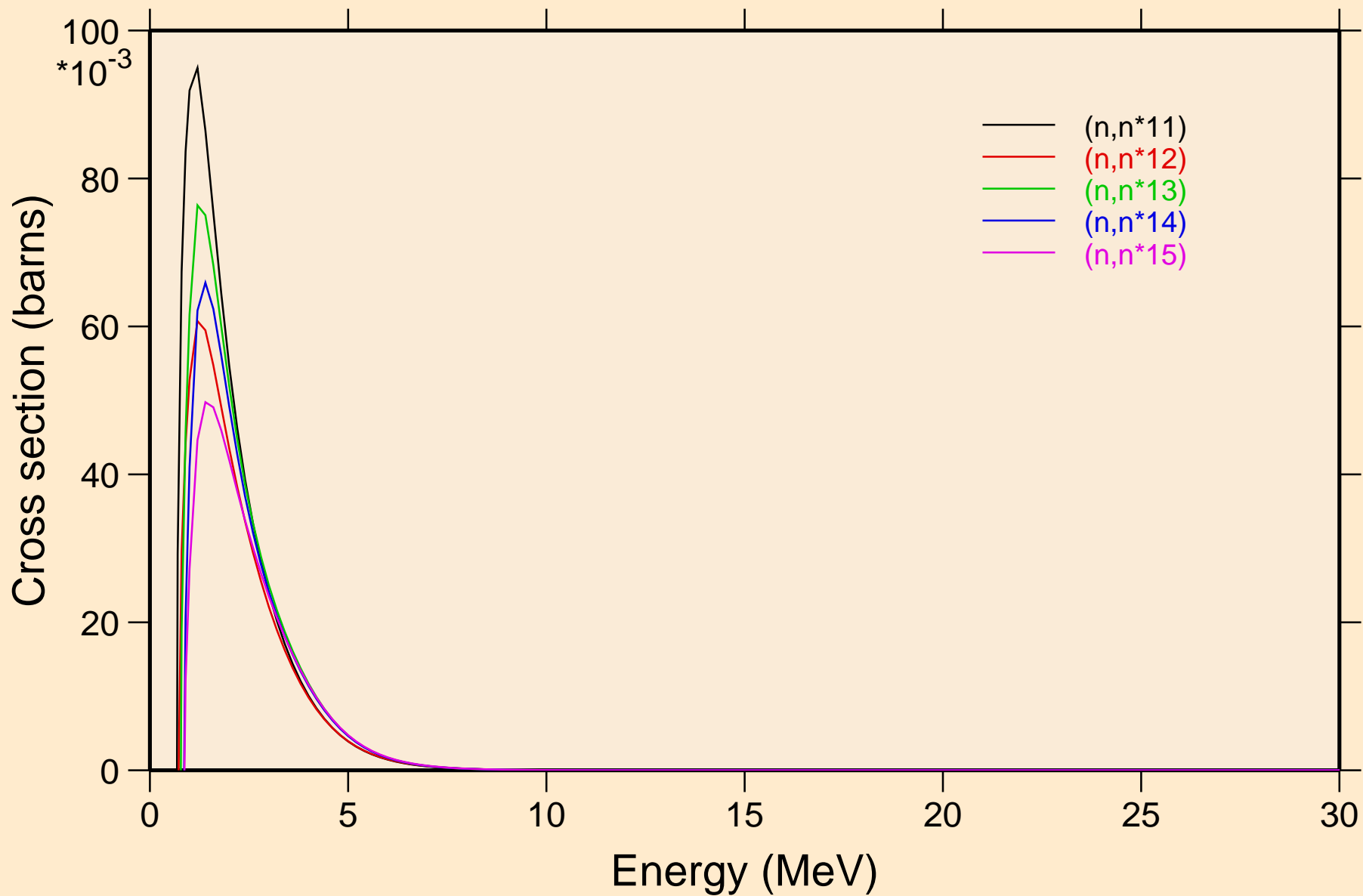


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

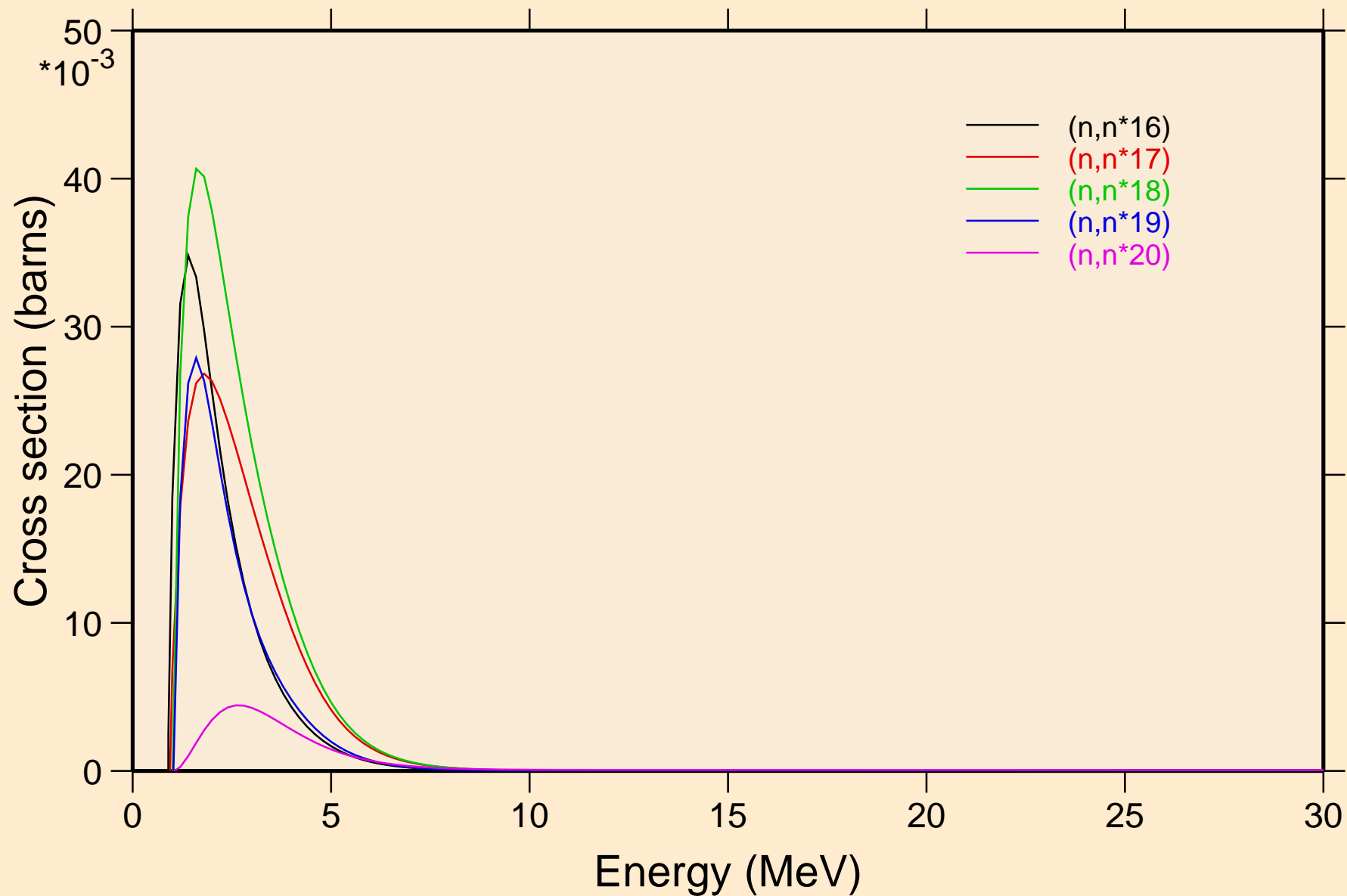




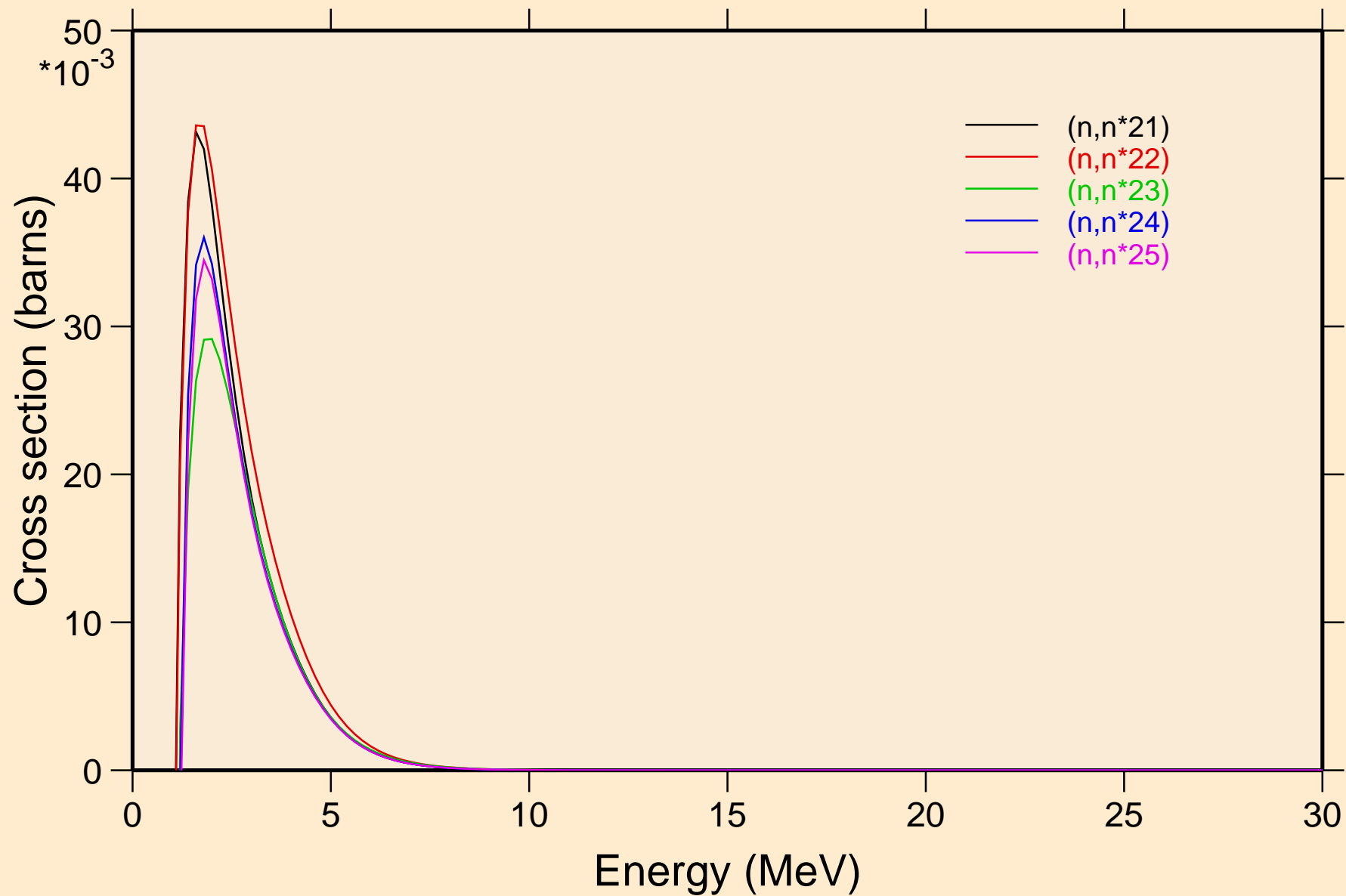
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



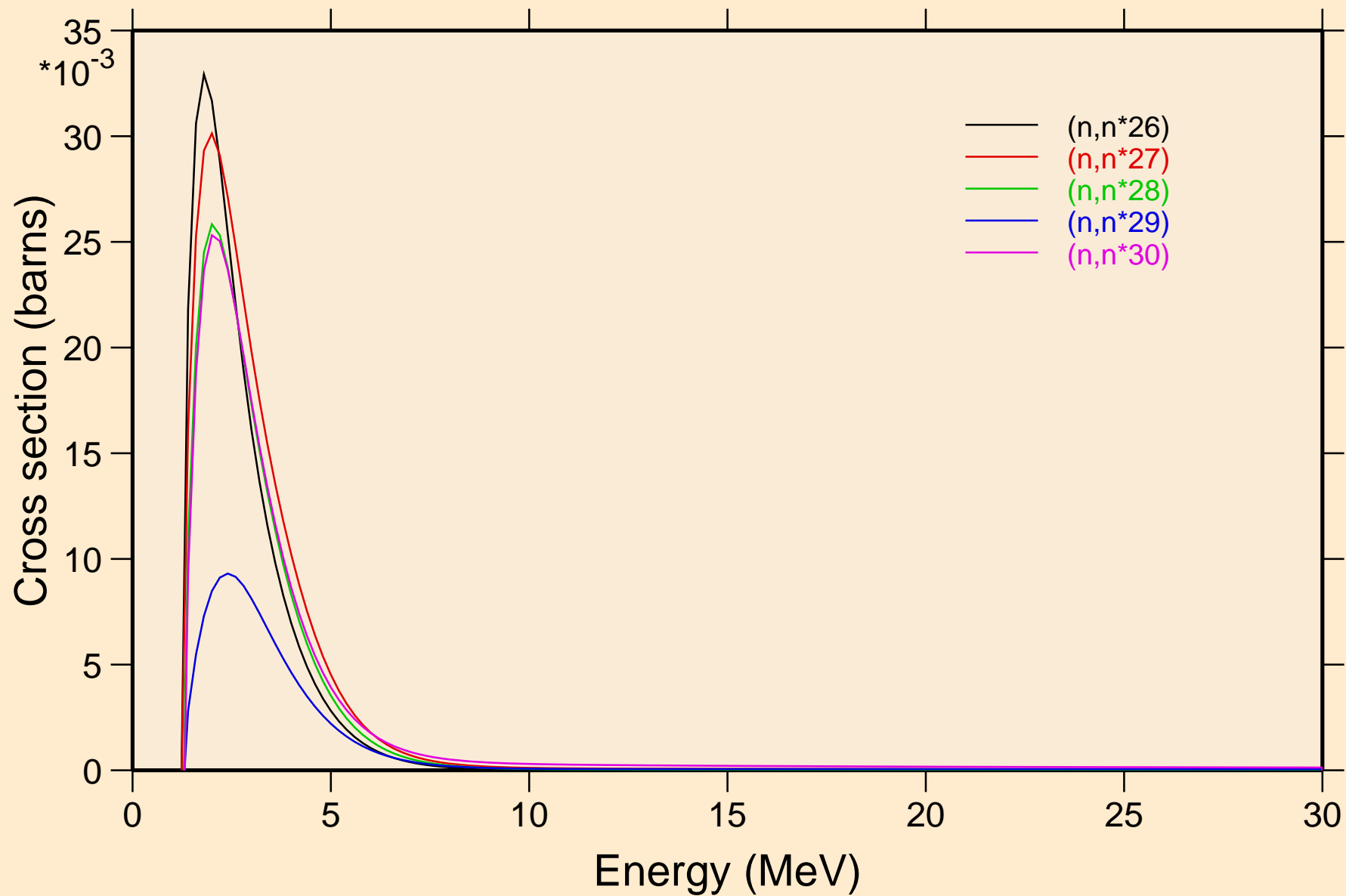
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



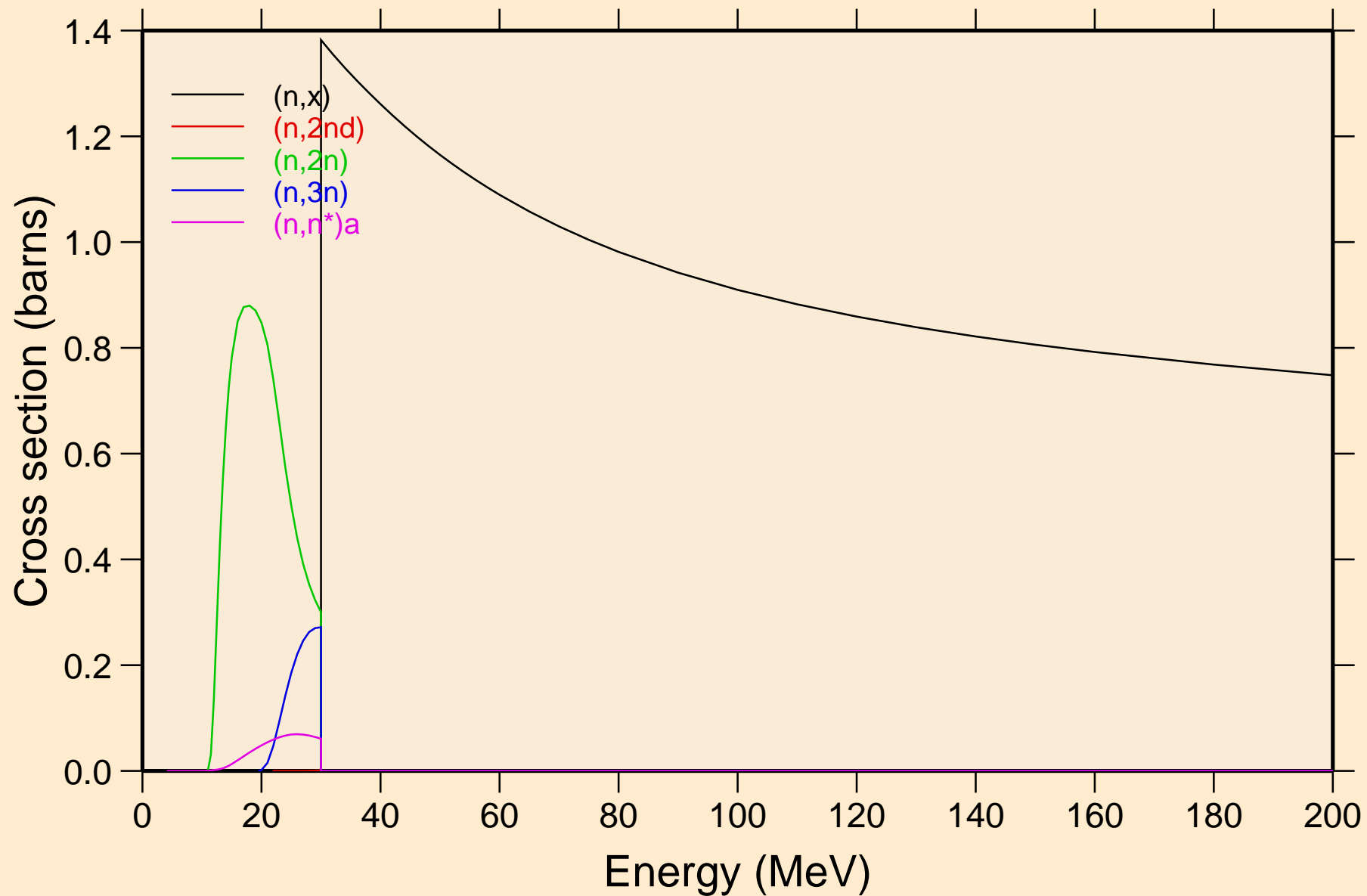
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

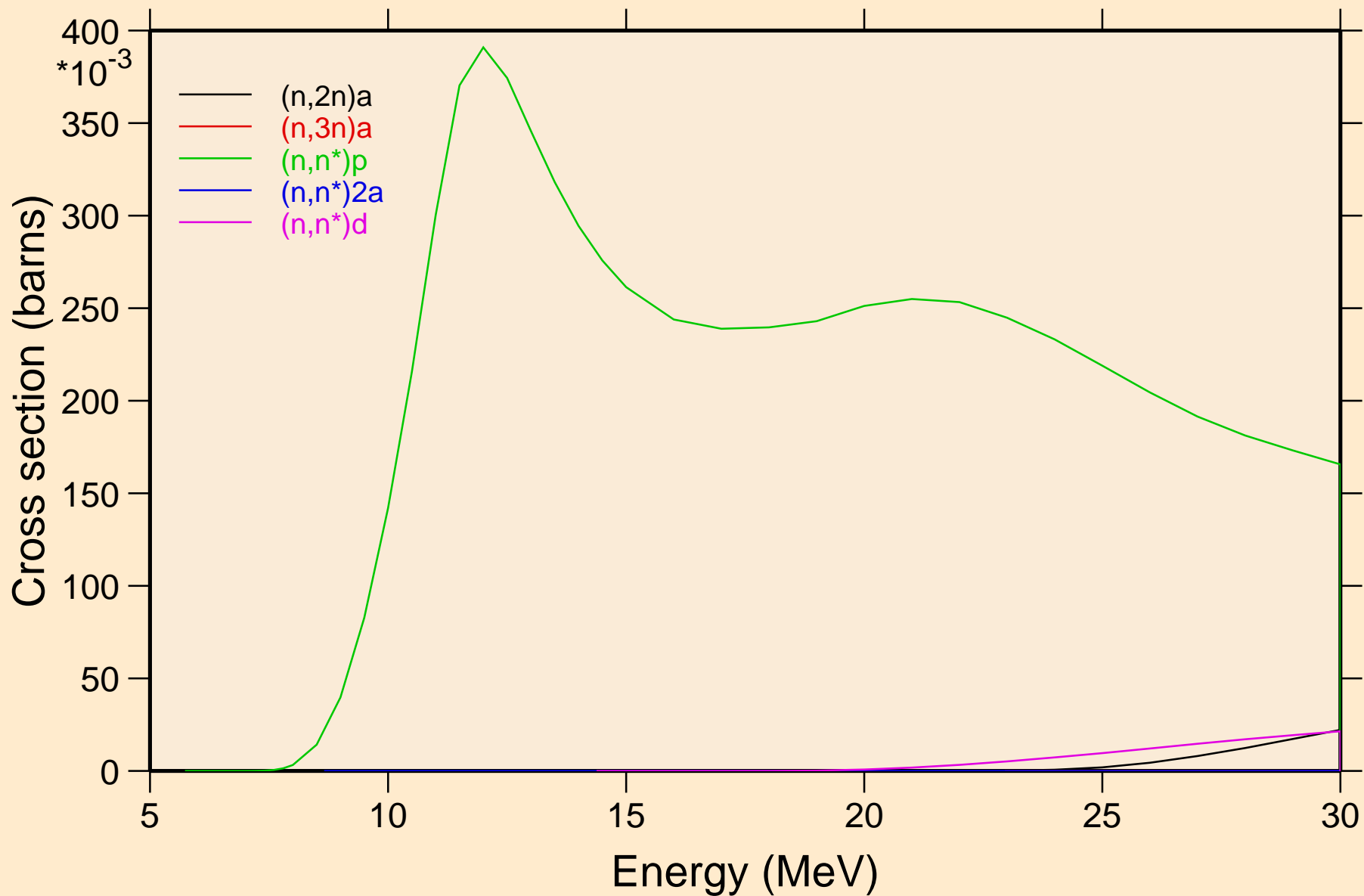


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

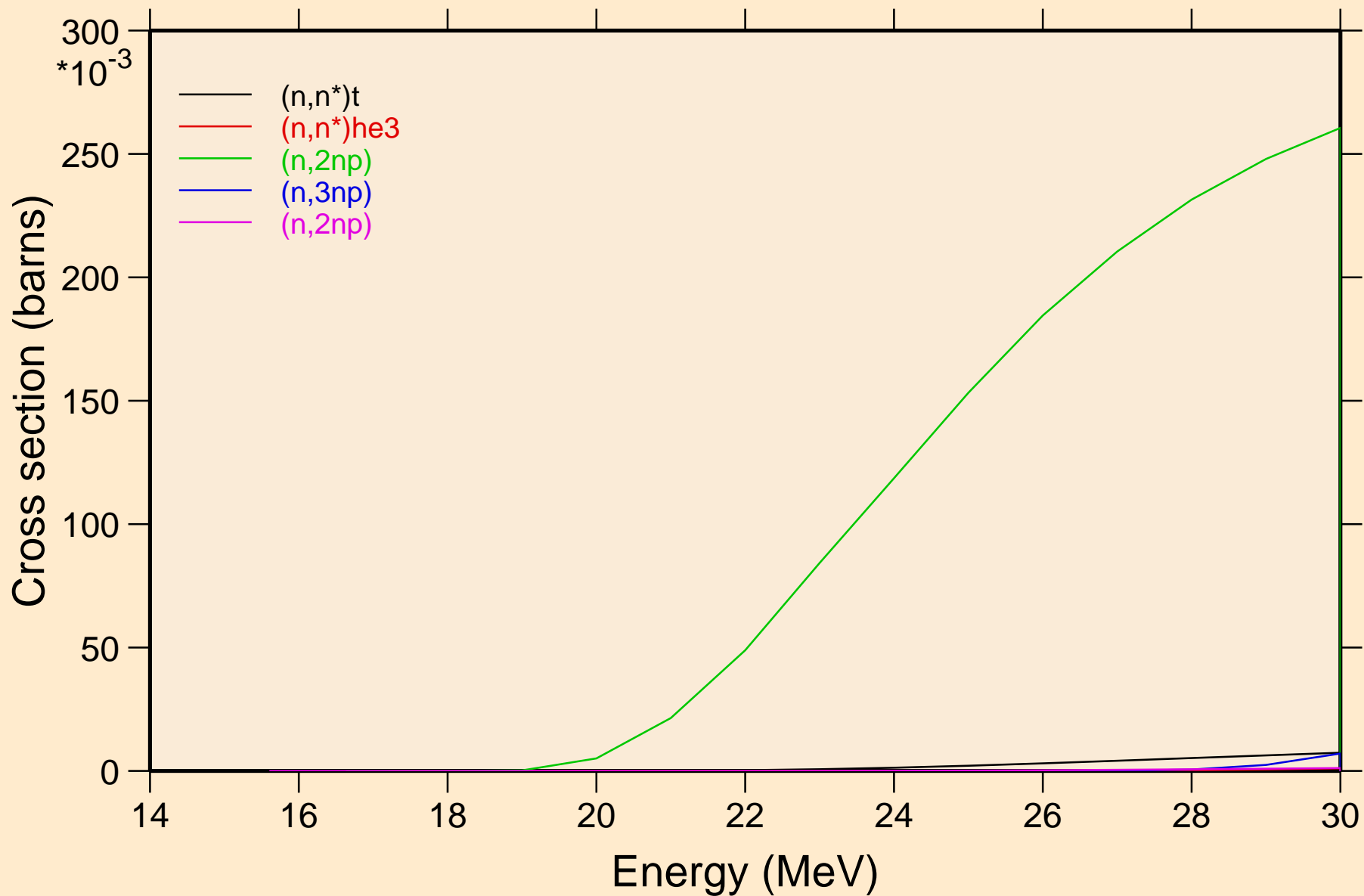


# AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

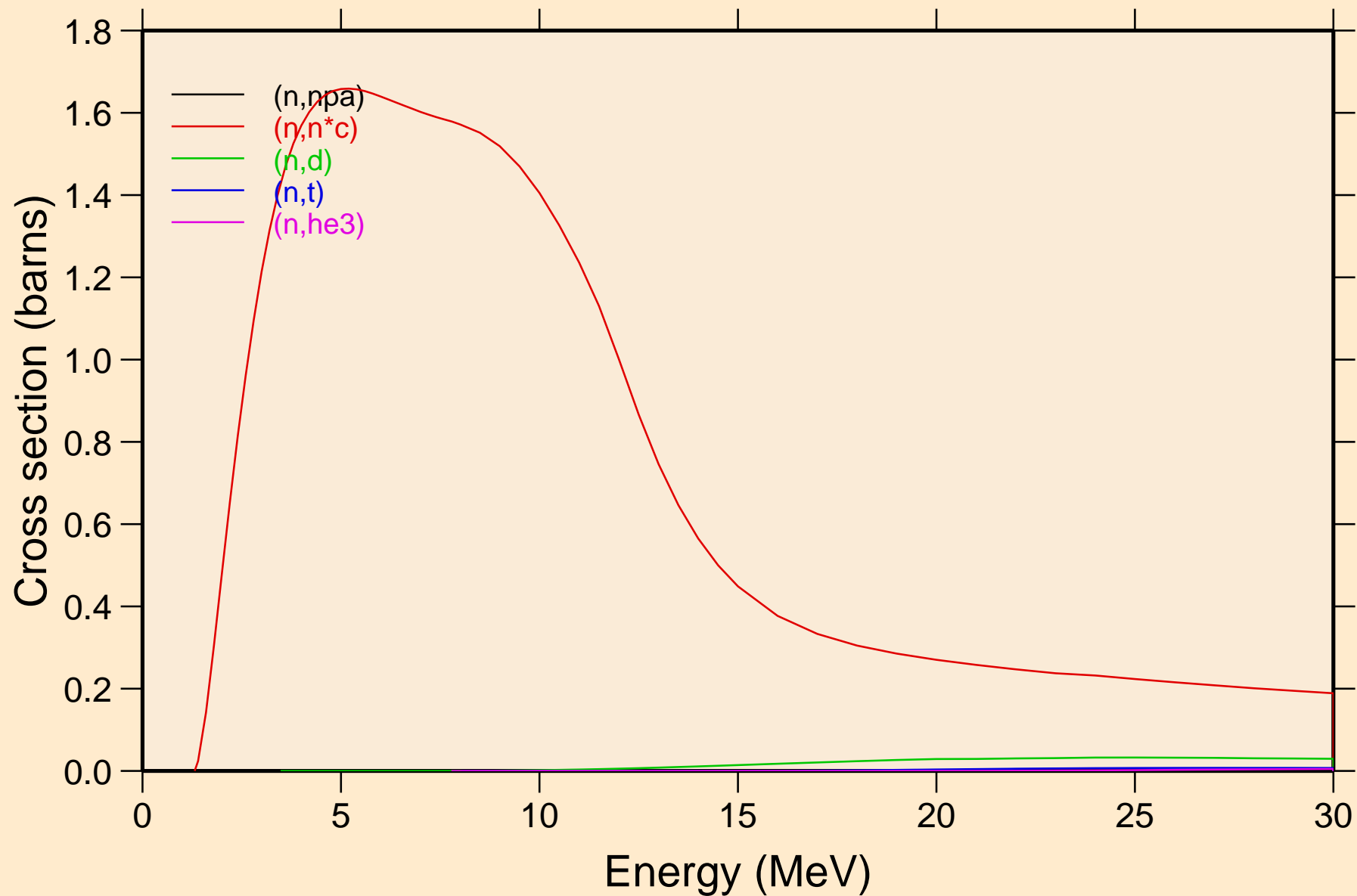
## Threshold reactions



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

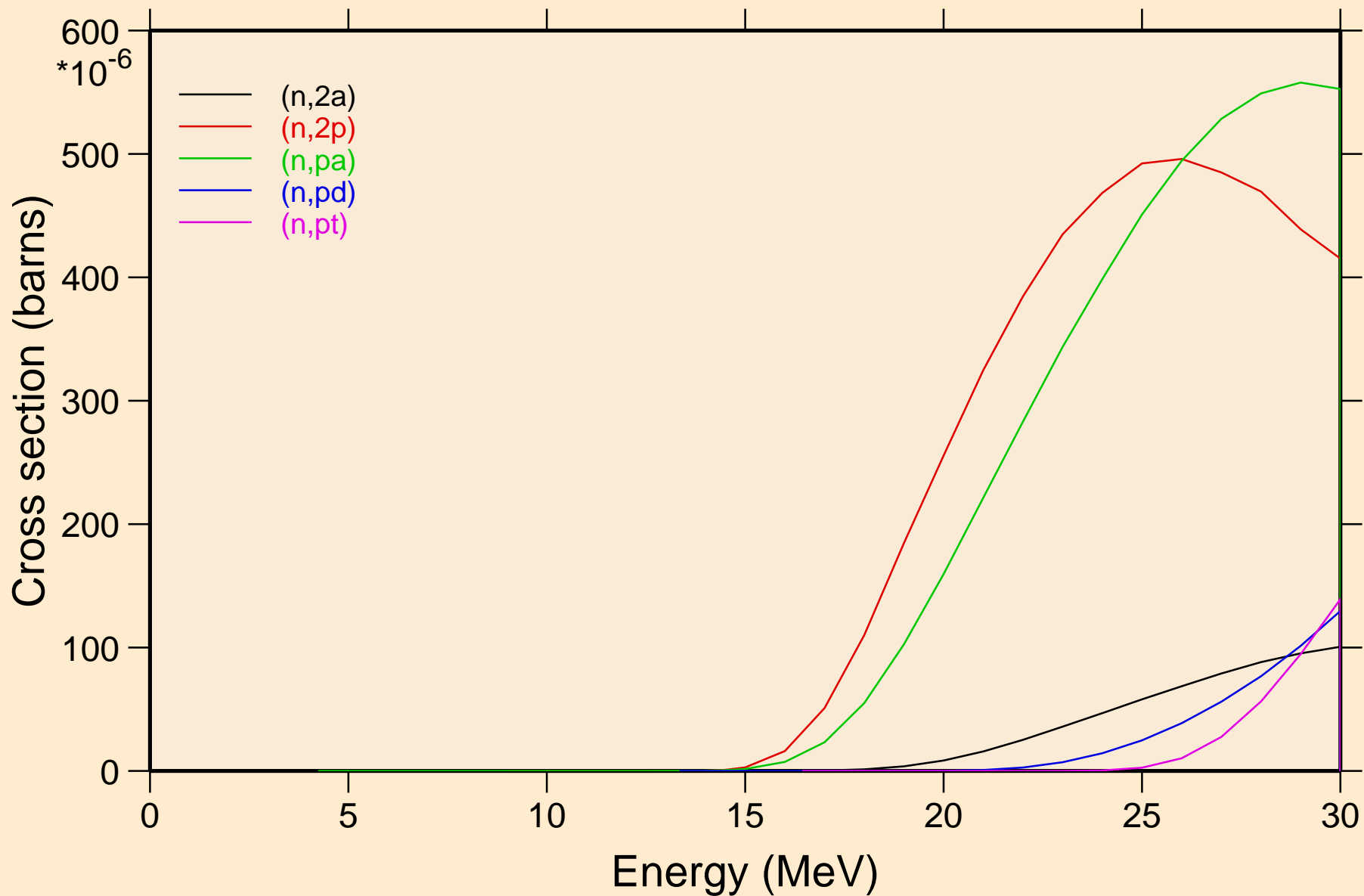


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

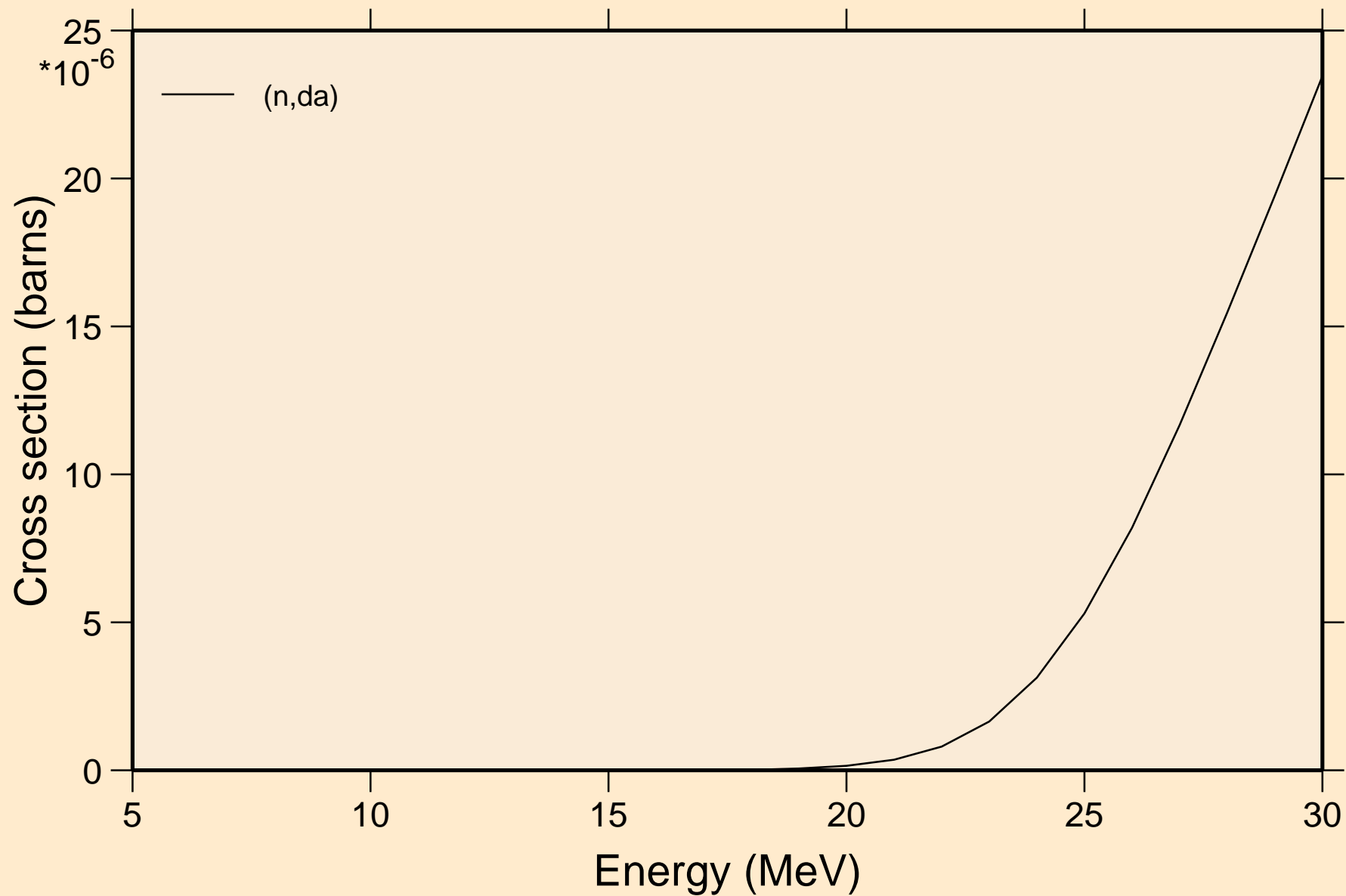




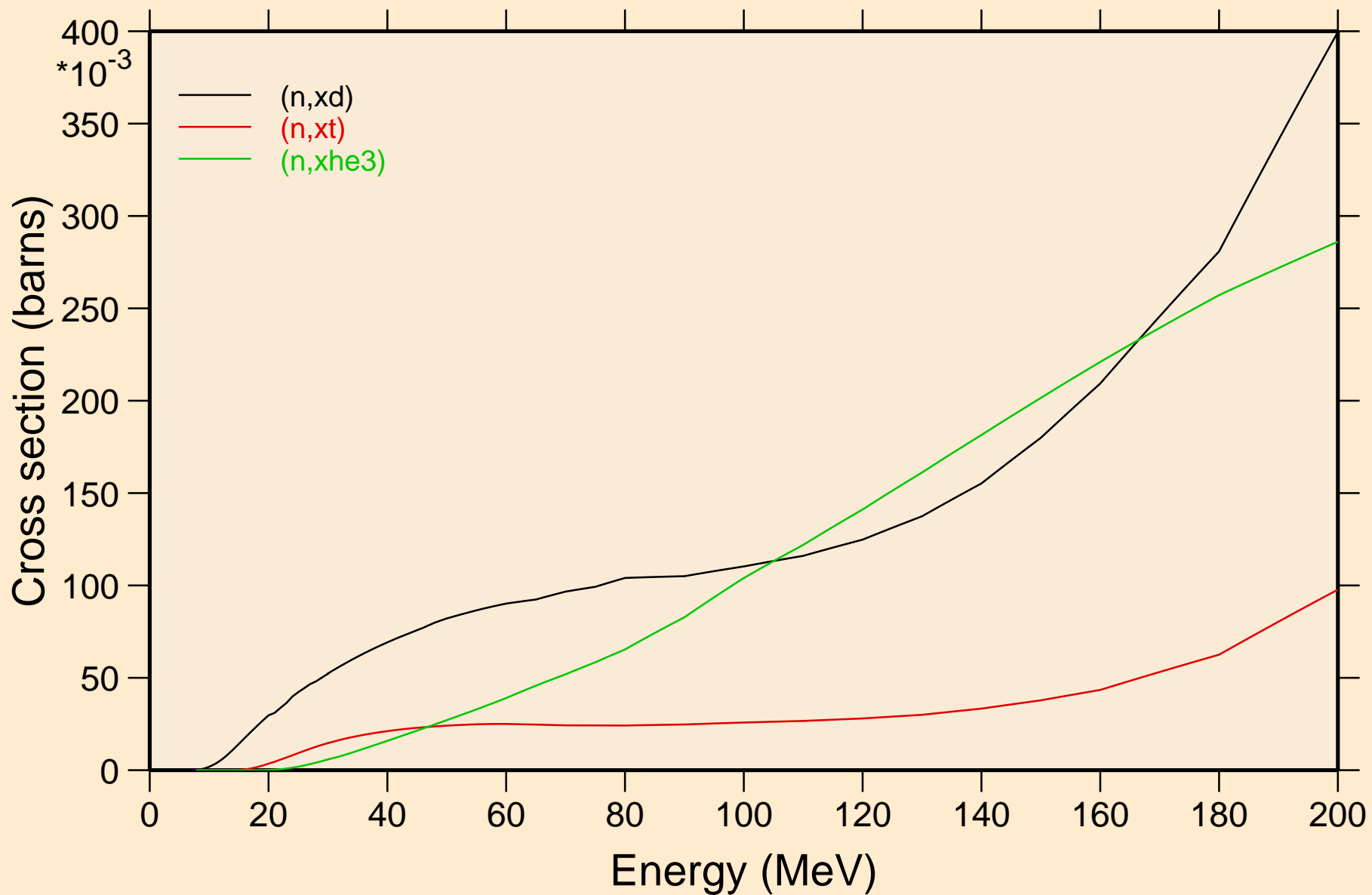
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



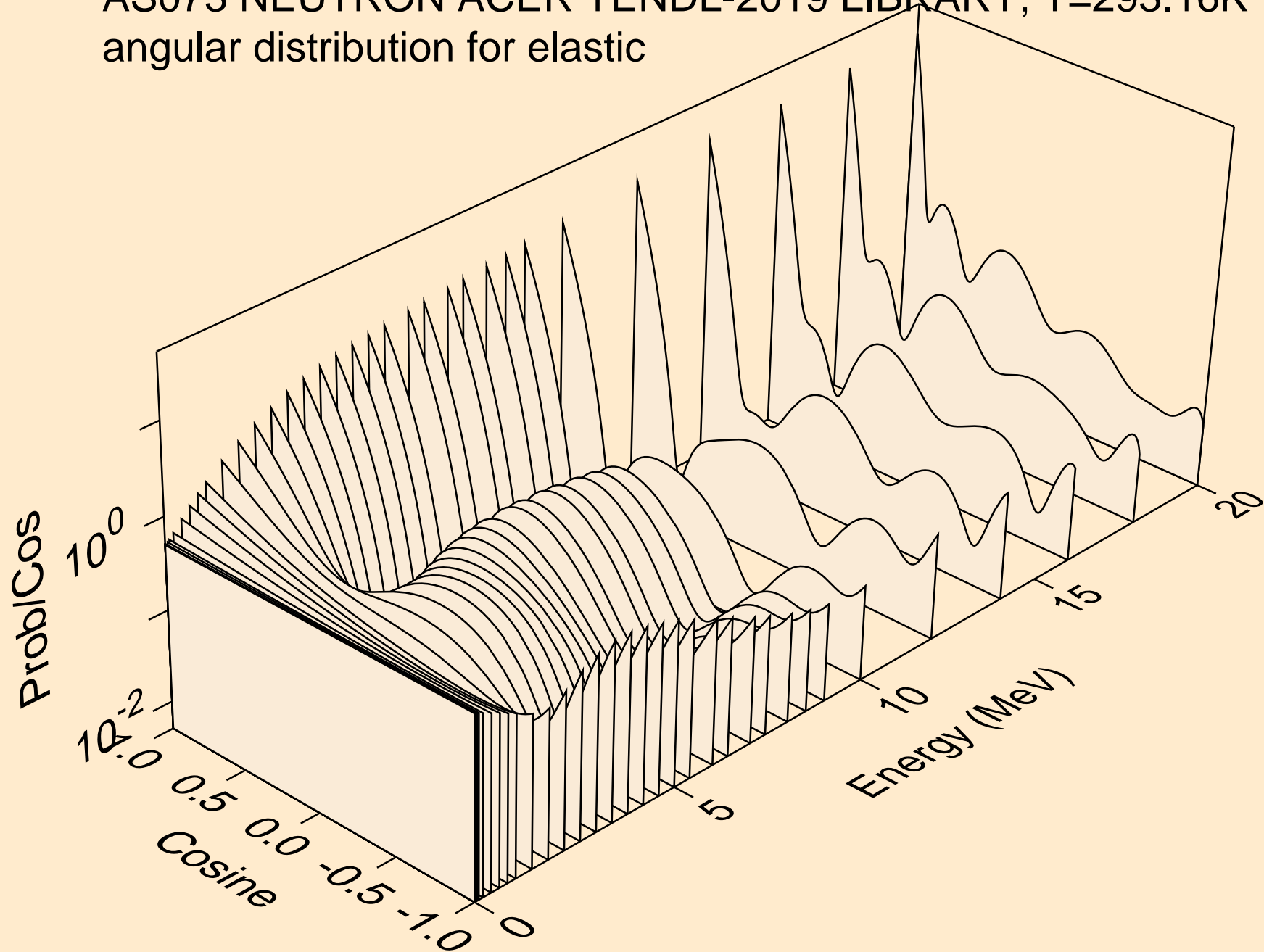
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



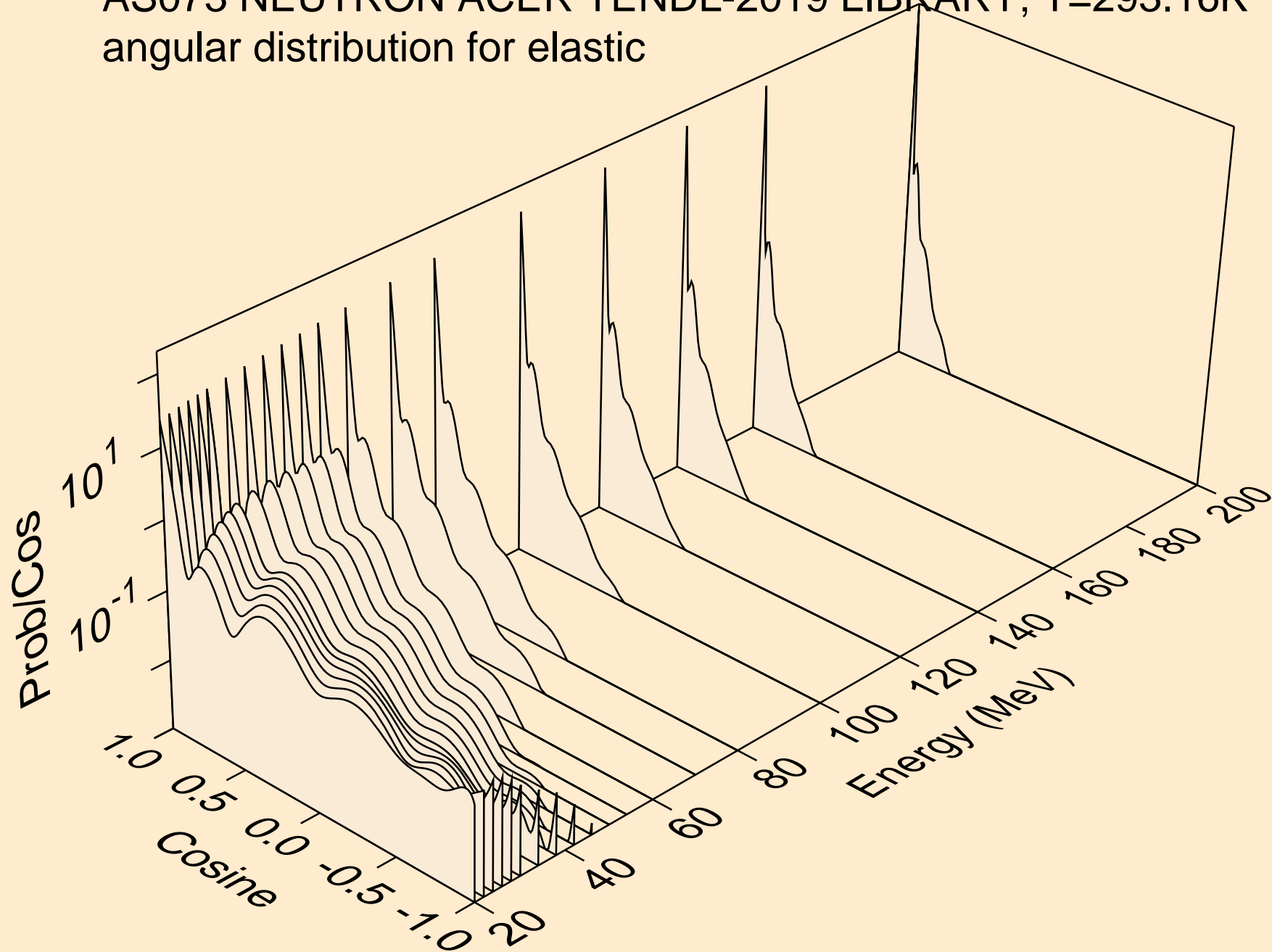
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



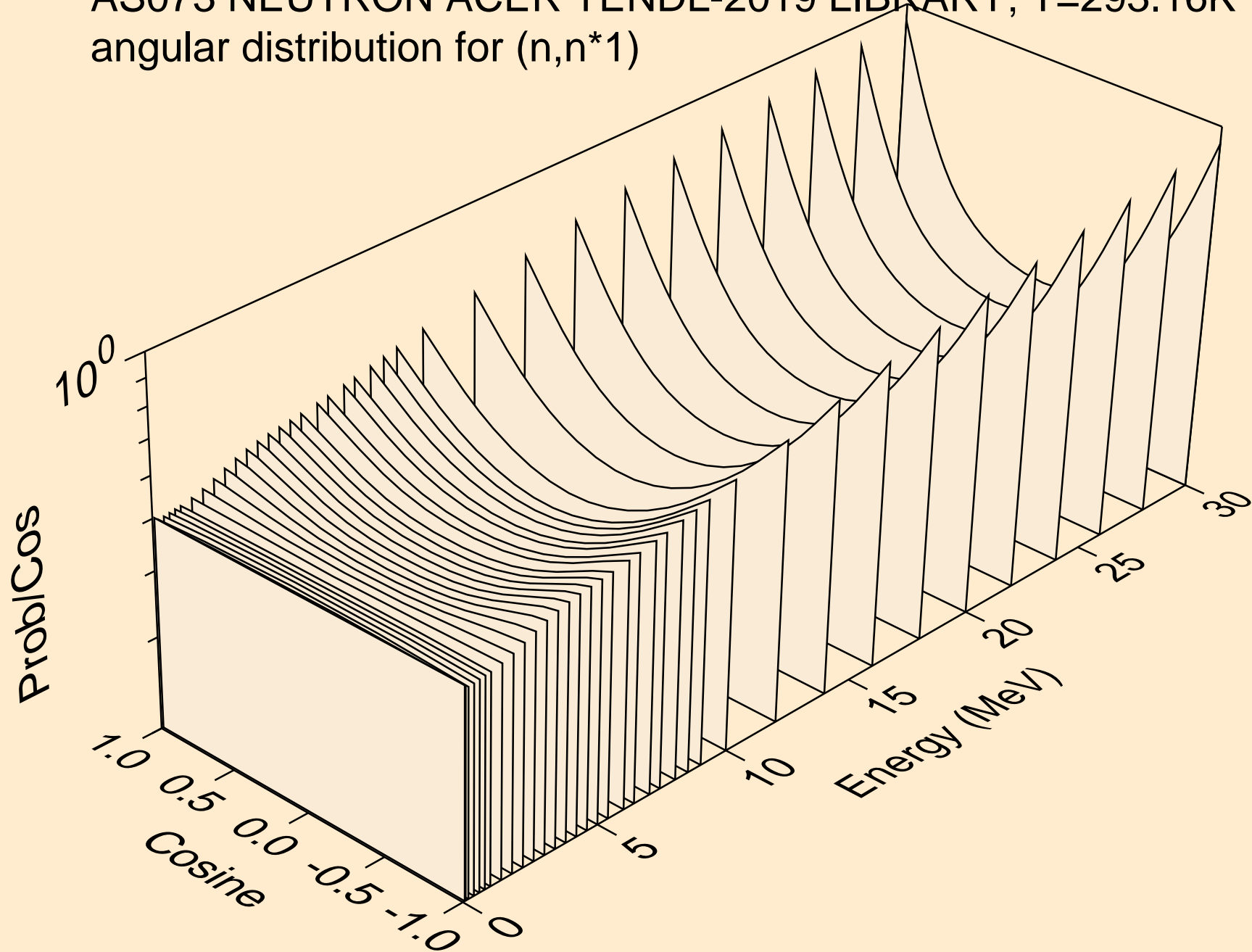
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



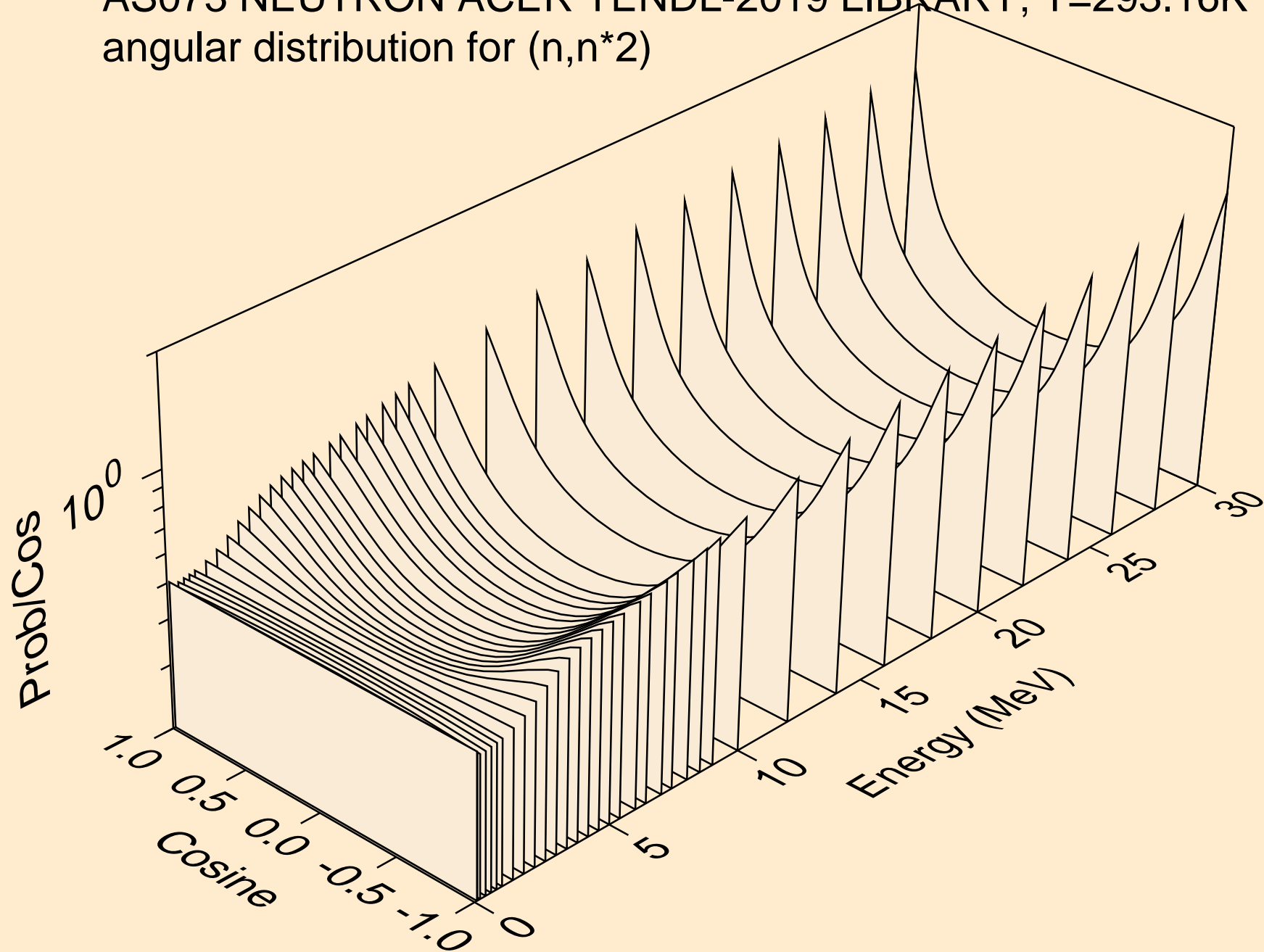
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angular distribution for elastic



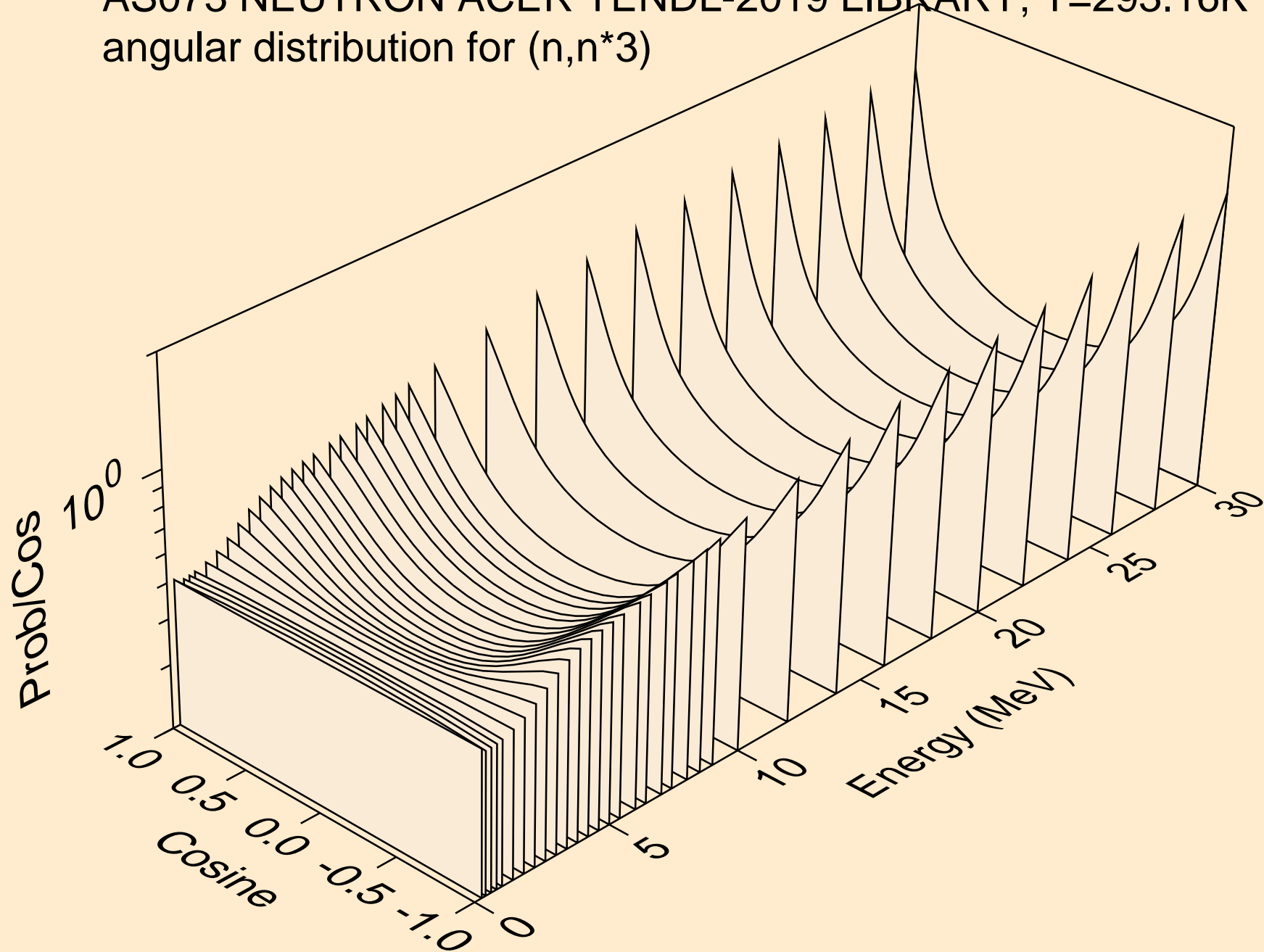
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

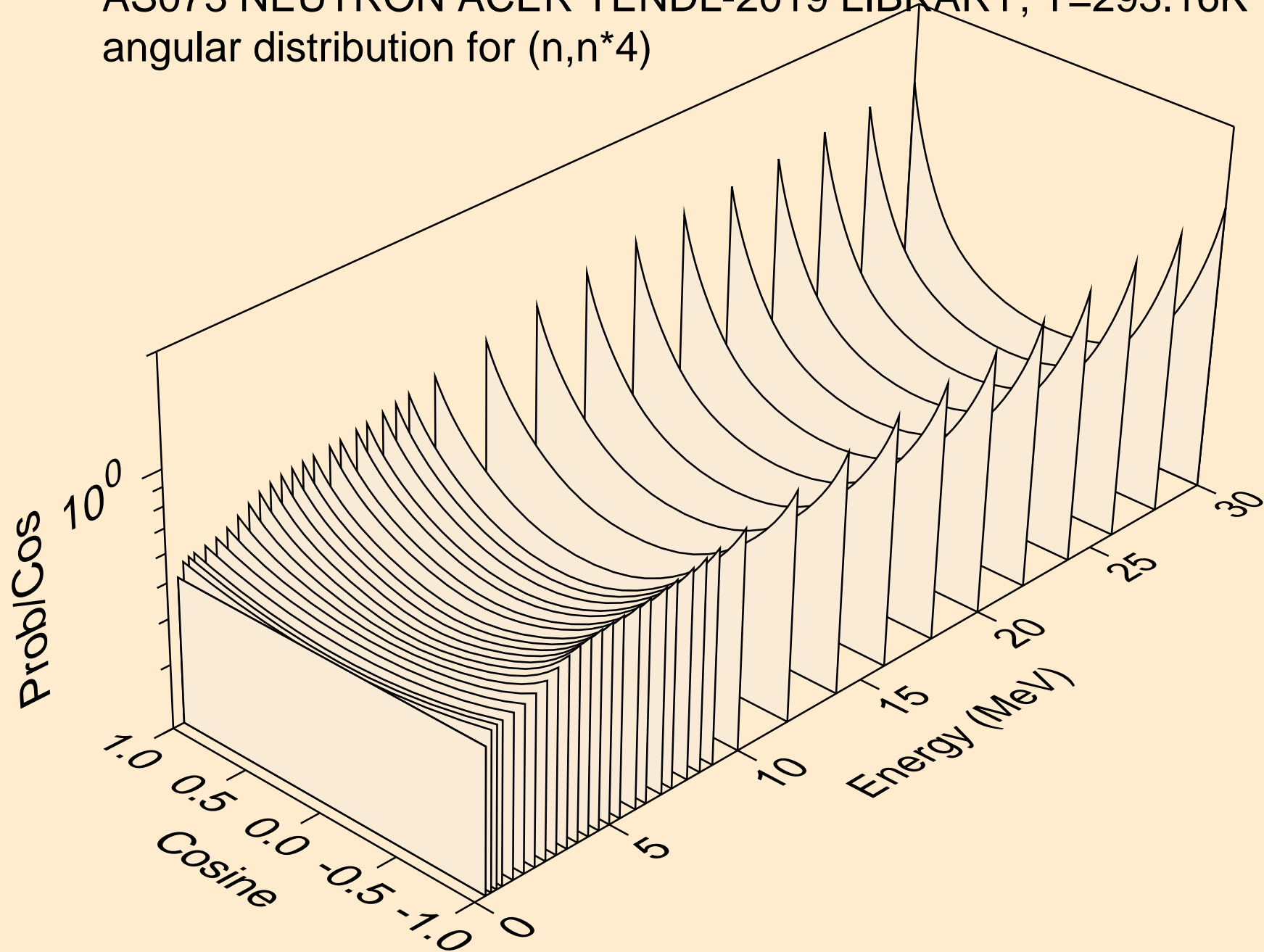


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angular distribution for (n,n\*3)

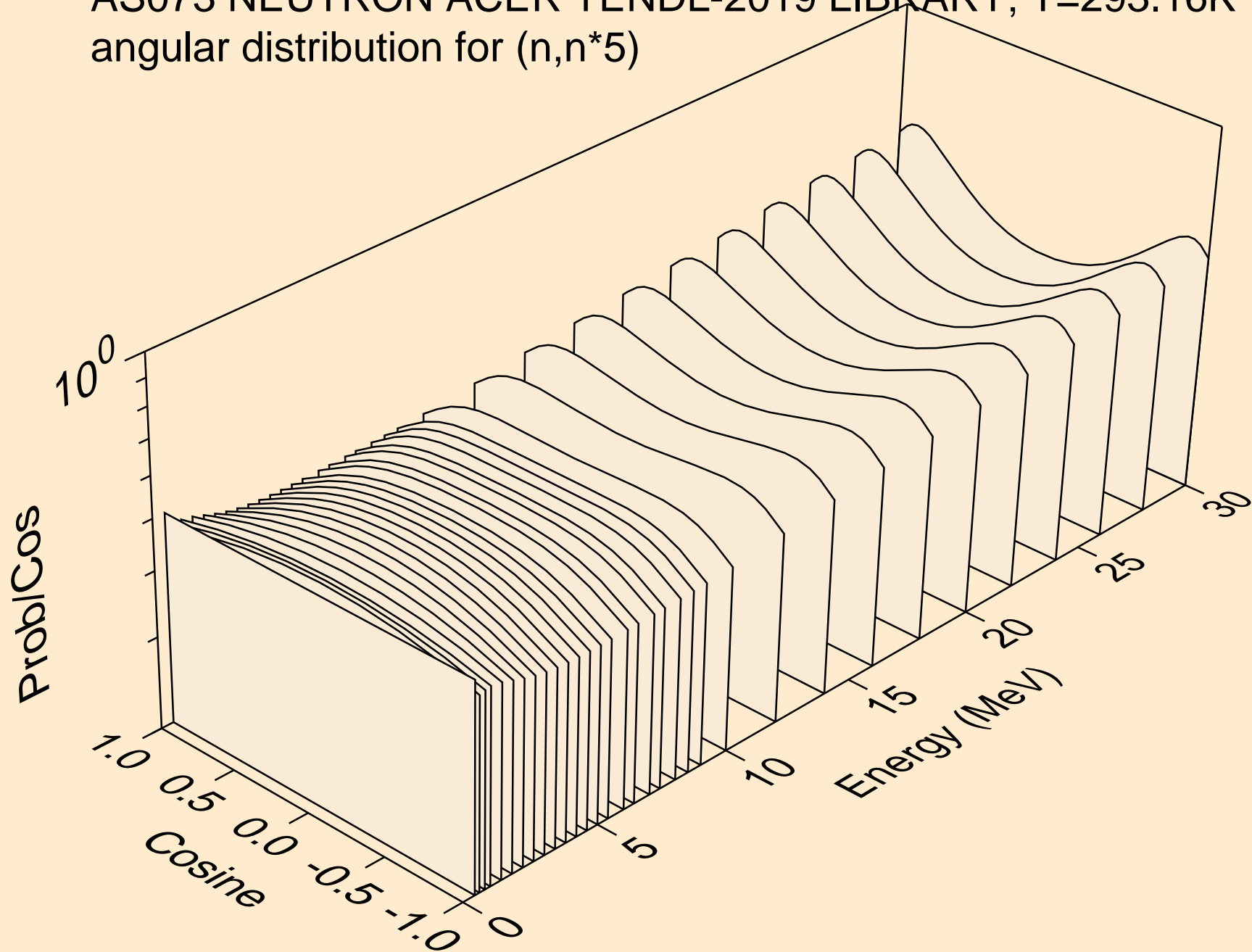




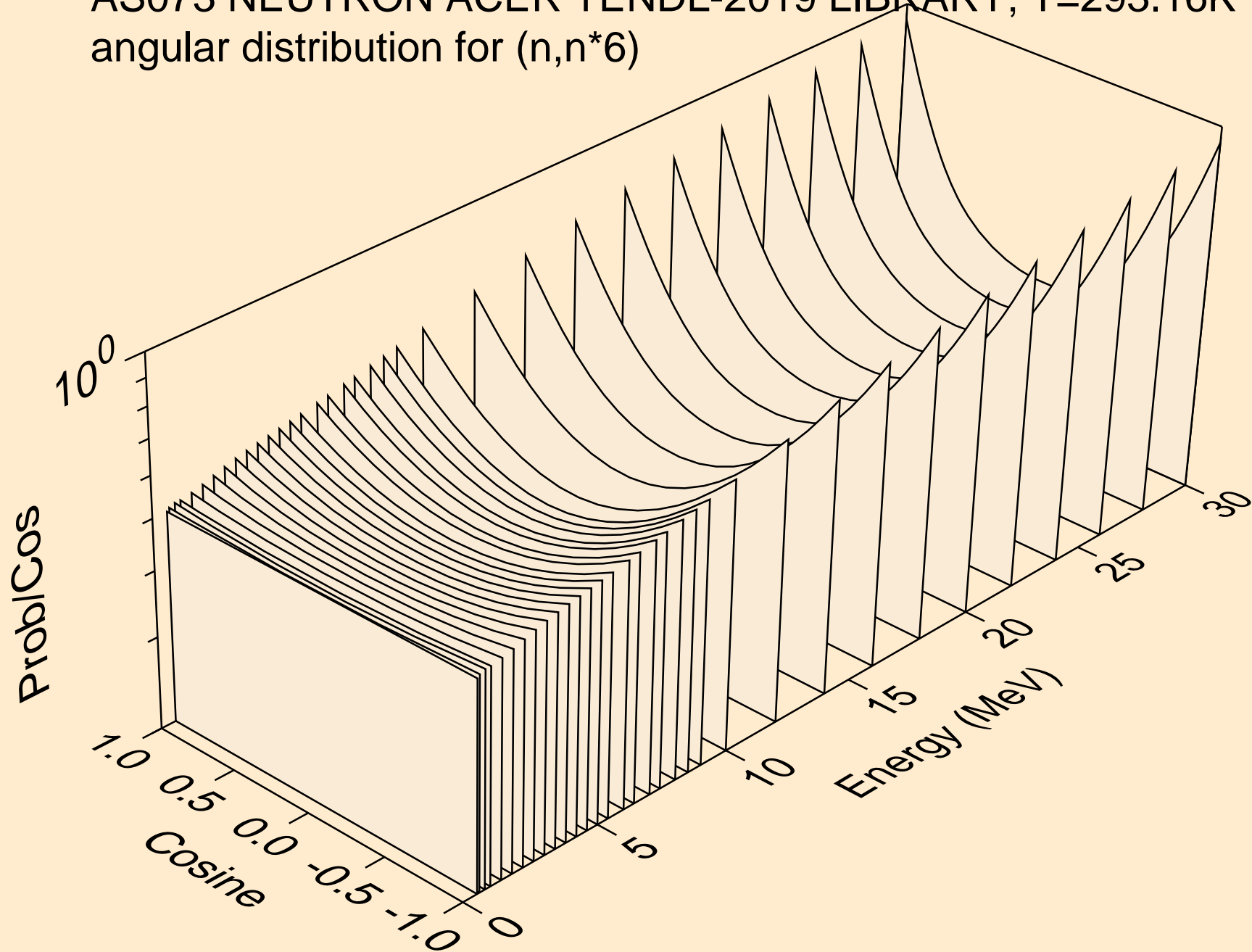
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angular distribution for (n,n\*4)



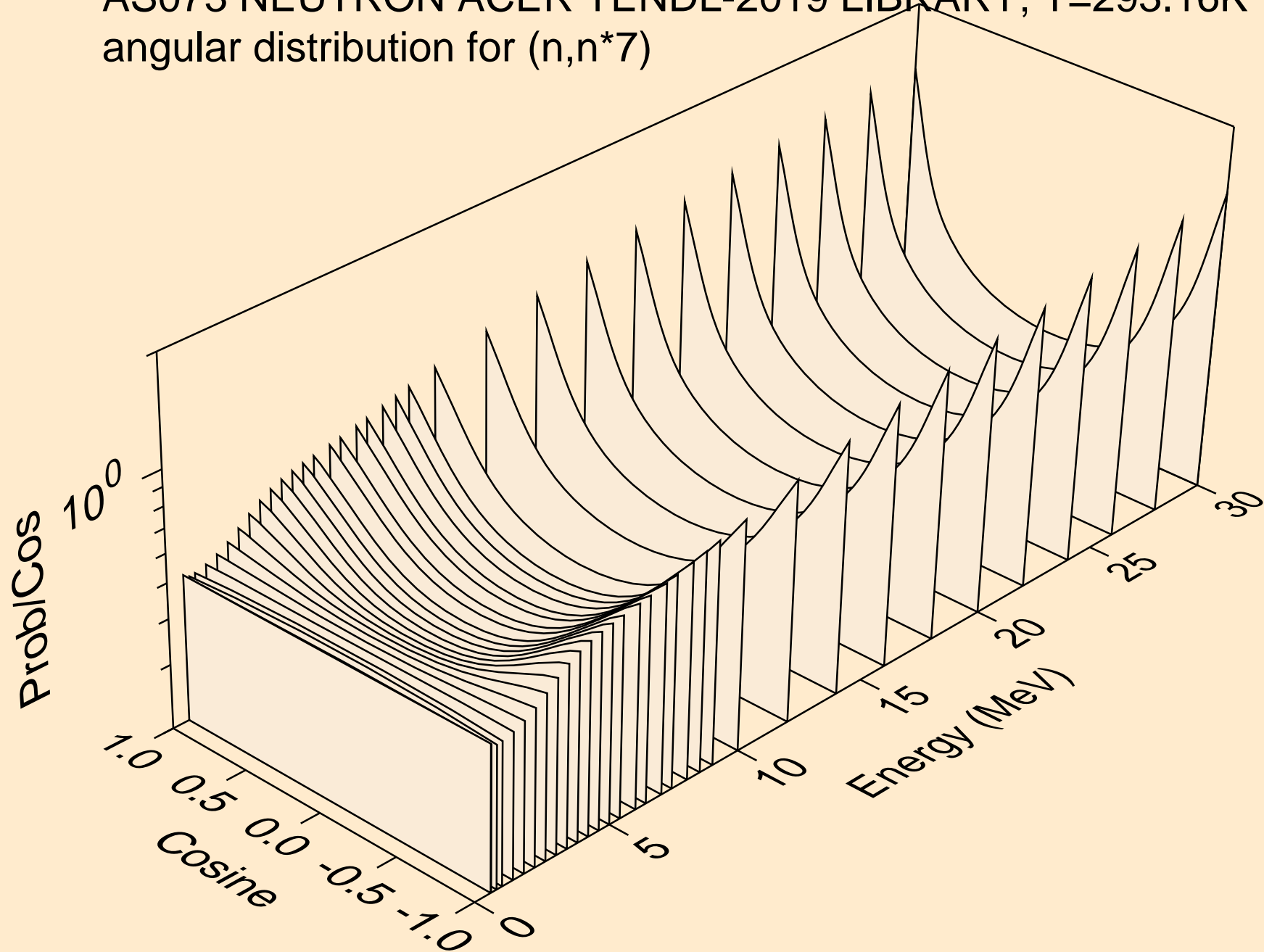
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angular distribution for (n,n\*5)



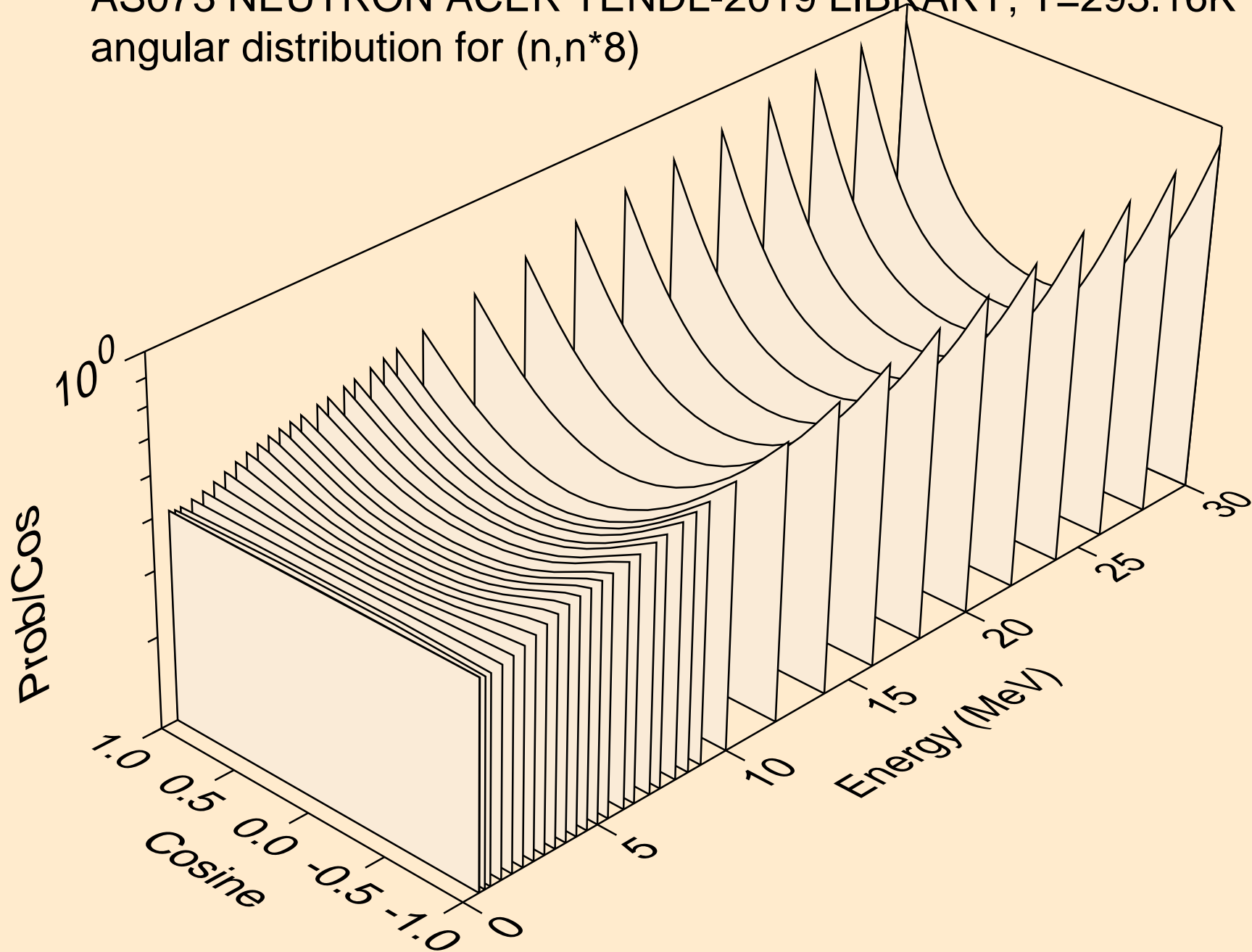
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angular distribution for (n,n\*6)



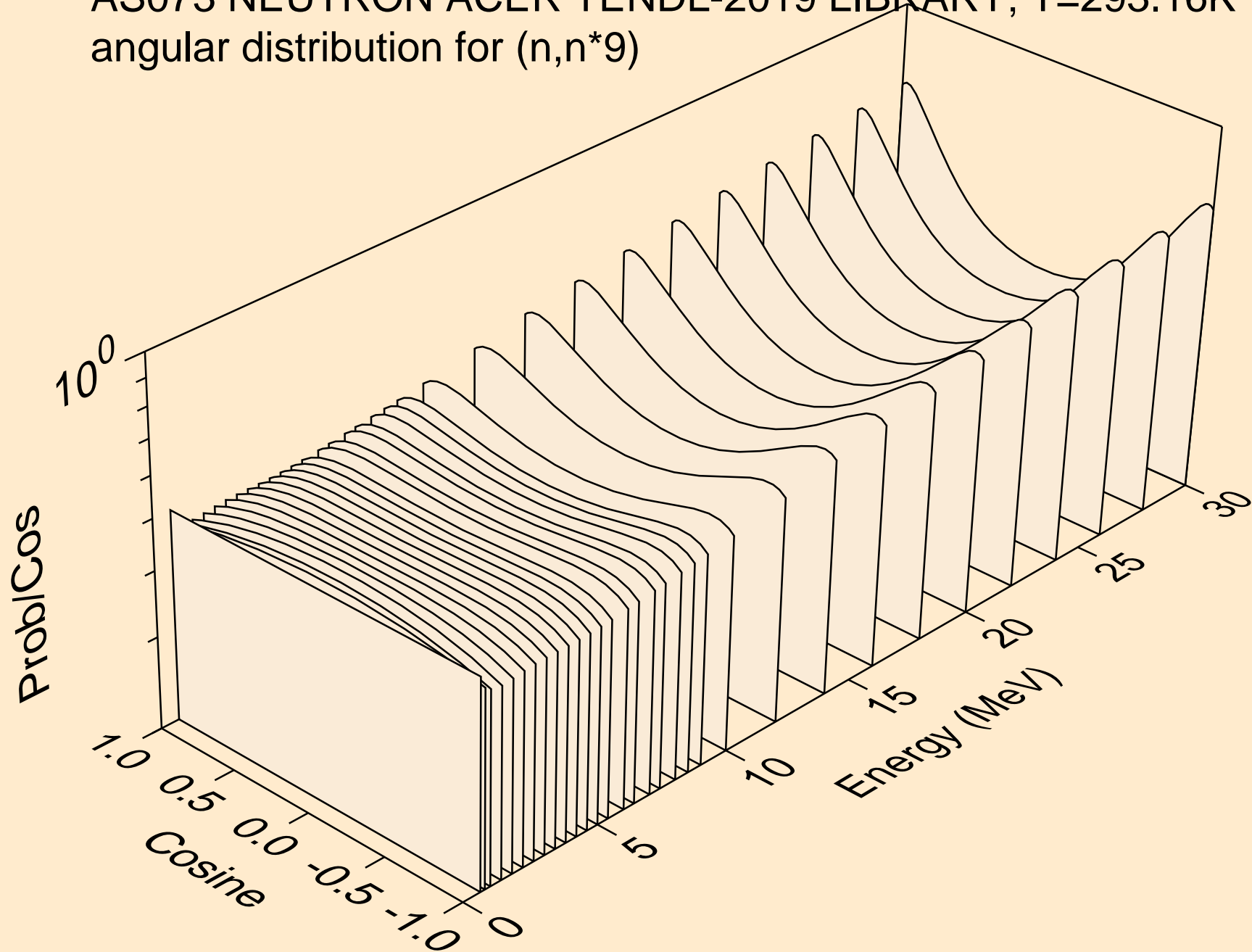
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angular distribution for (n,n\*7)



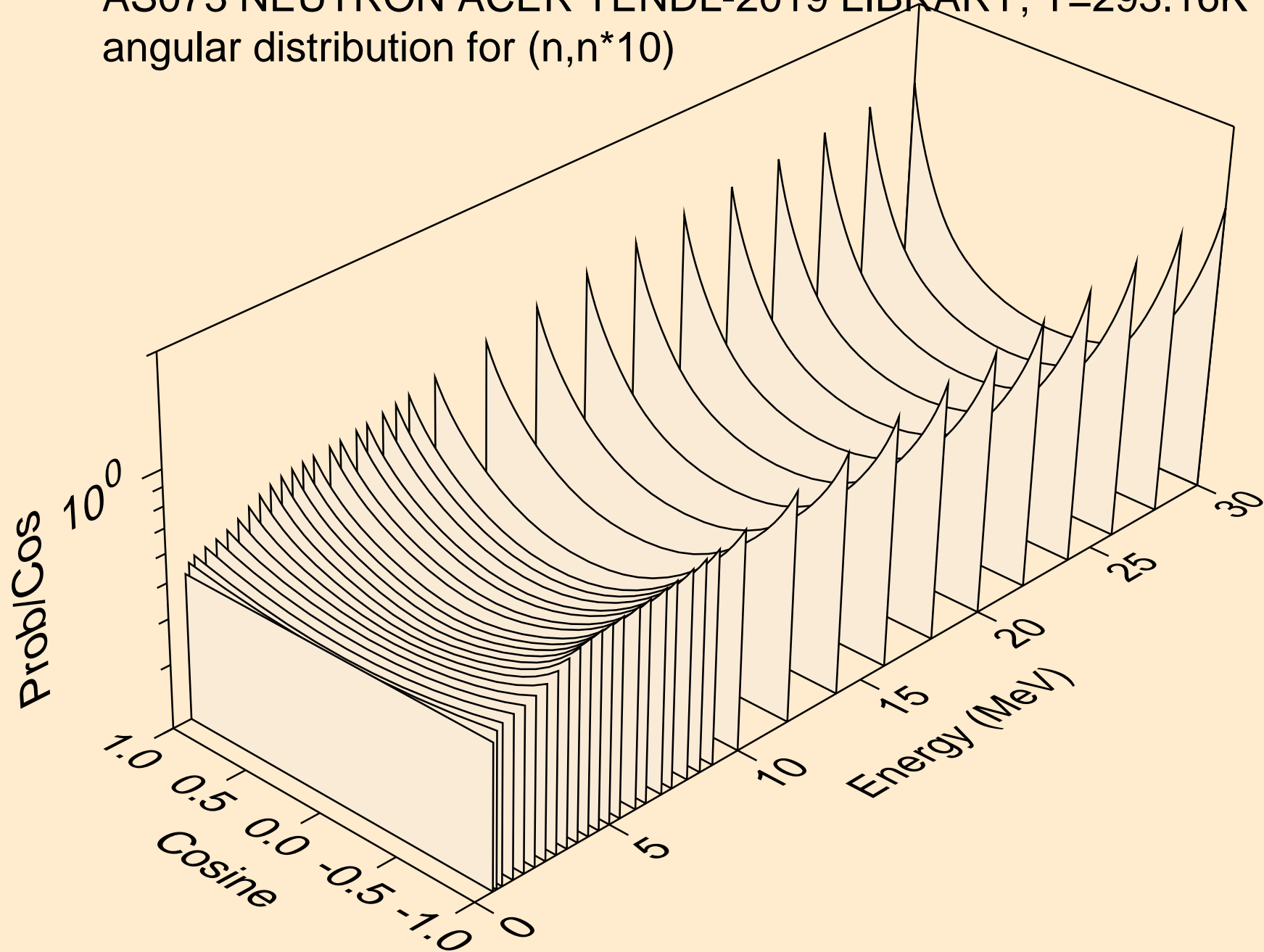
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angular distribution for (n,n\*8)



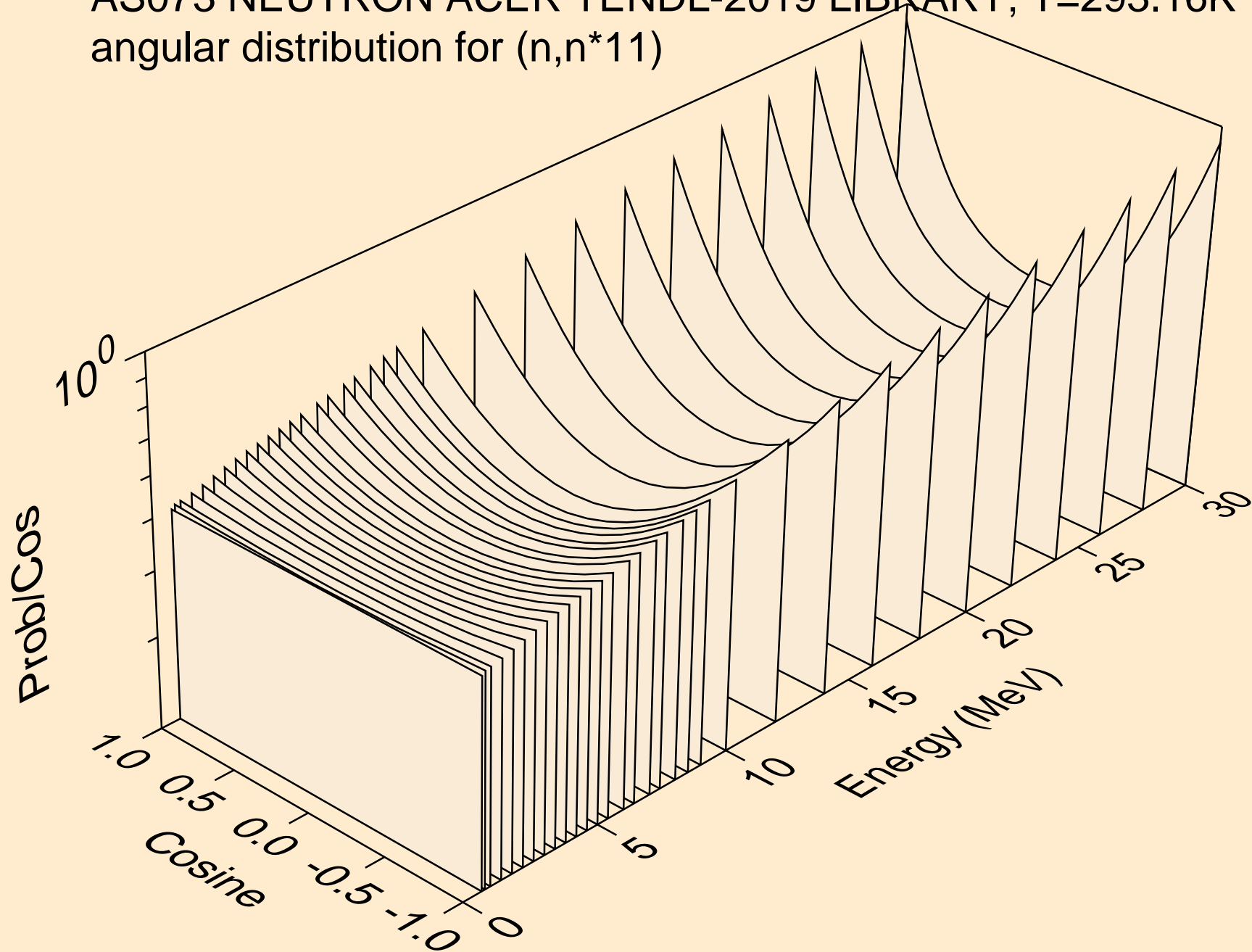
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

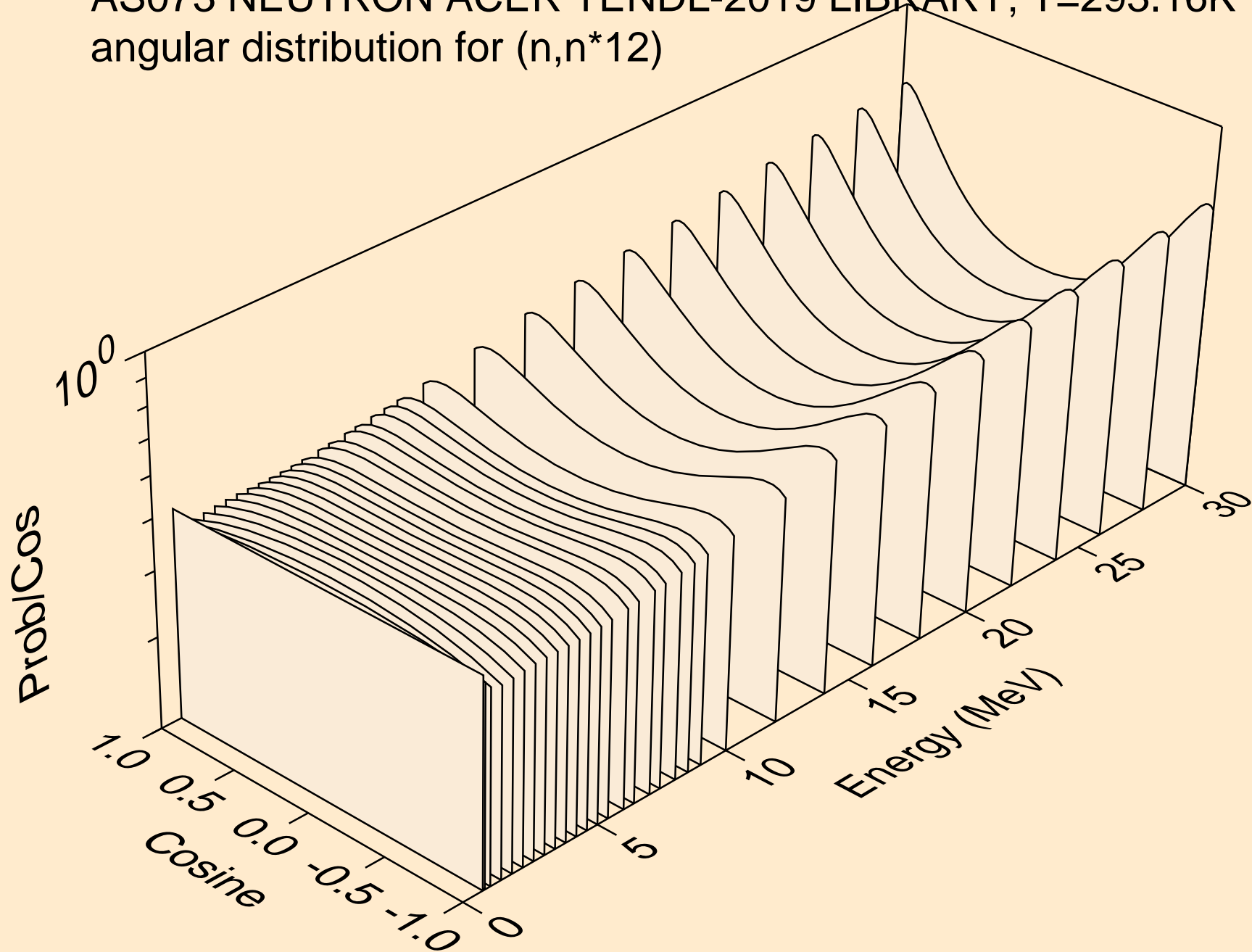


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

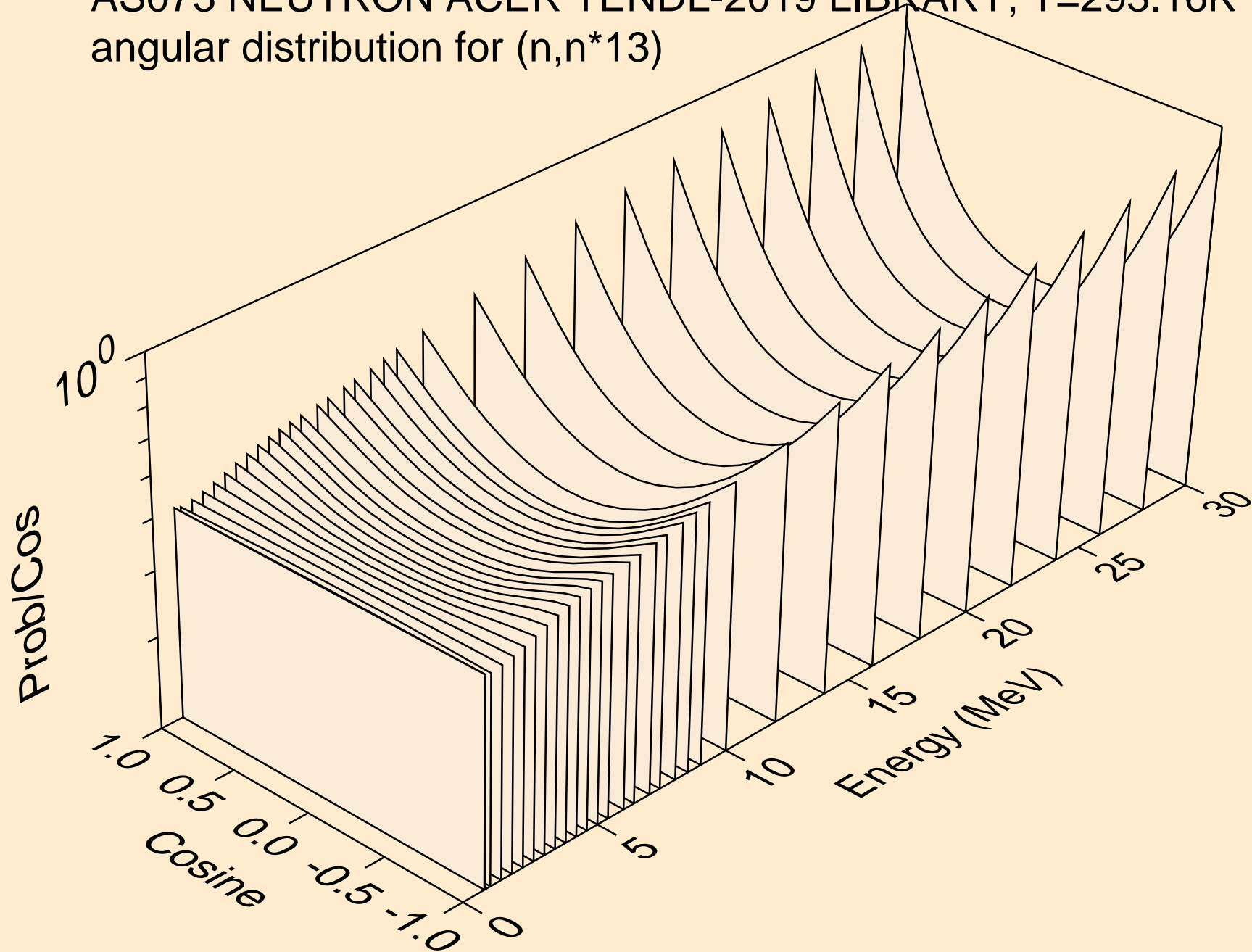




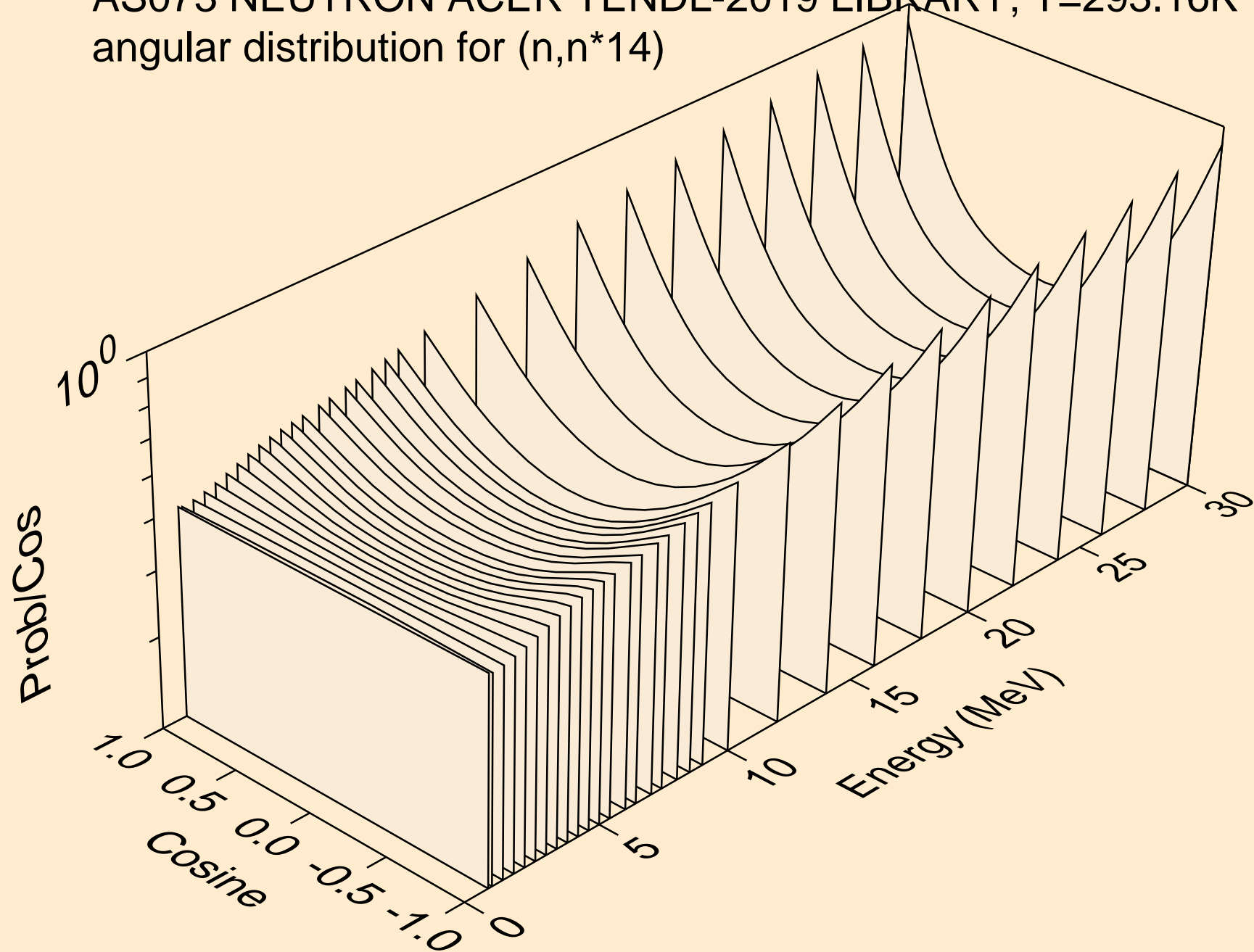
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angular distribution for (n,n\*12)



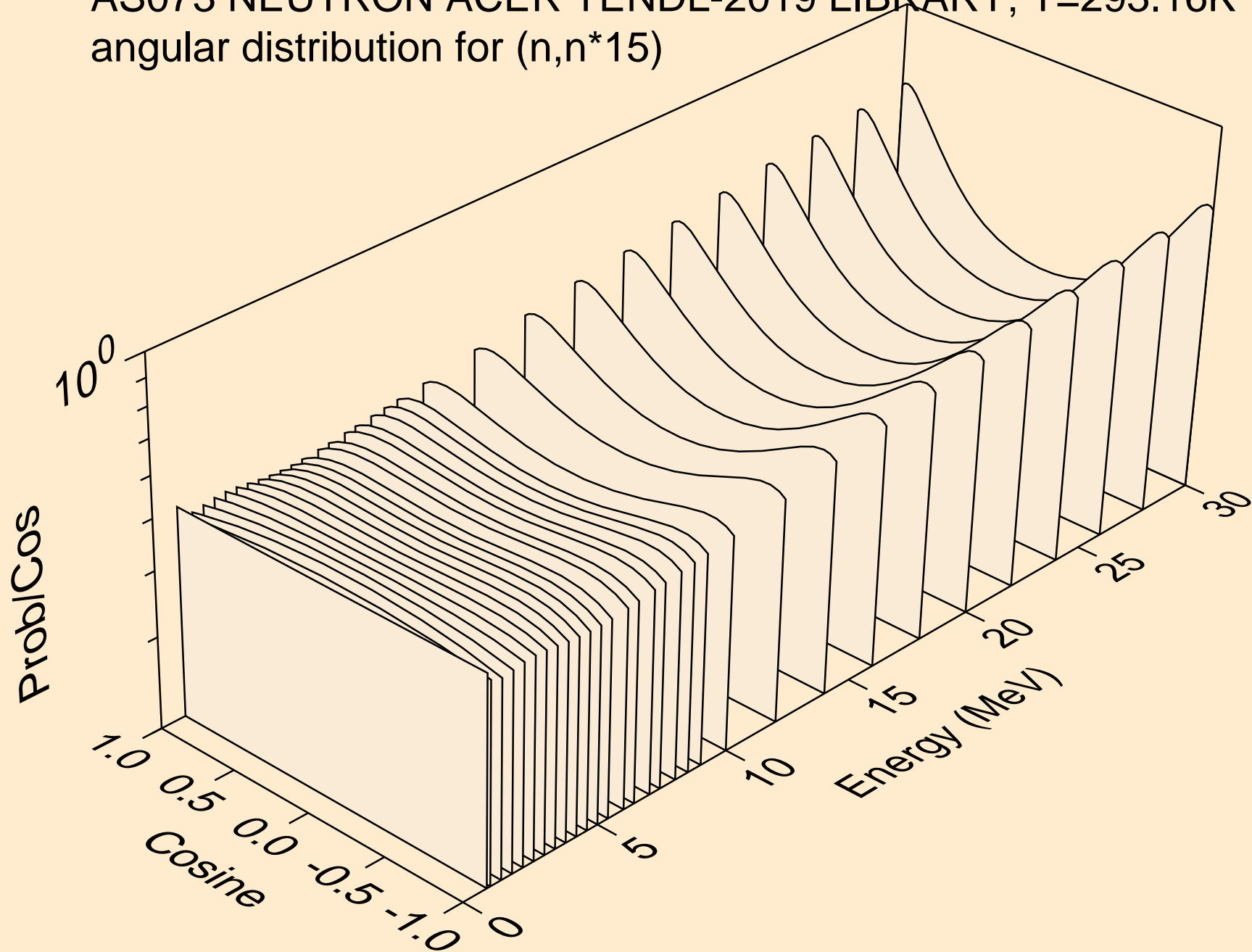
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angular distribution for (n,n\*13)



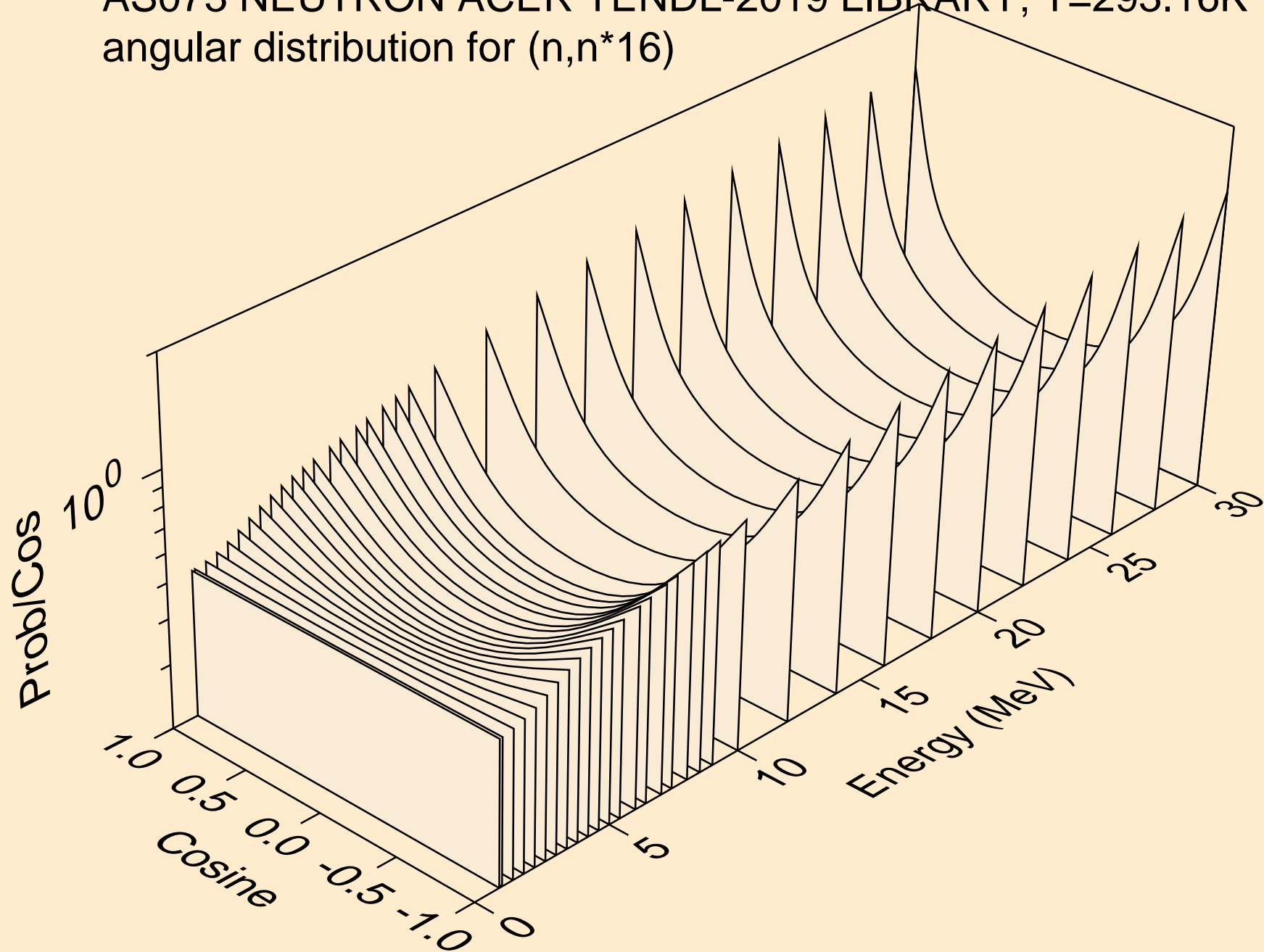
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angular distribution for (n,n\*14)



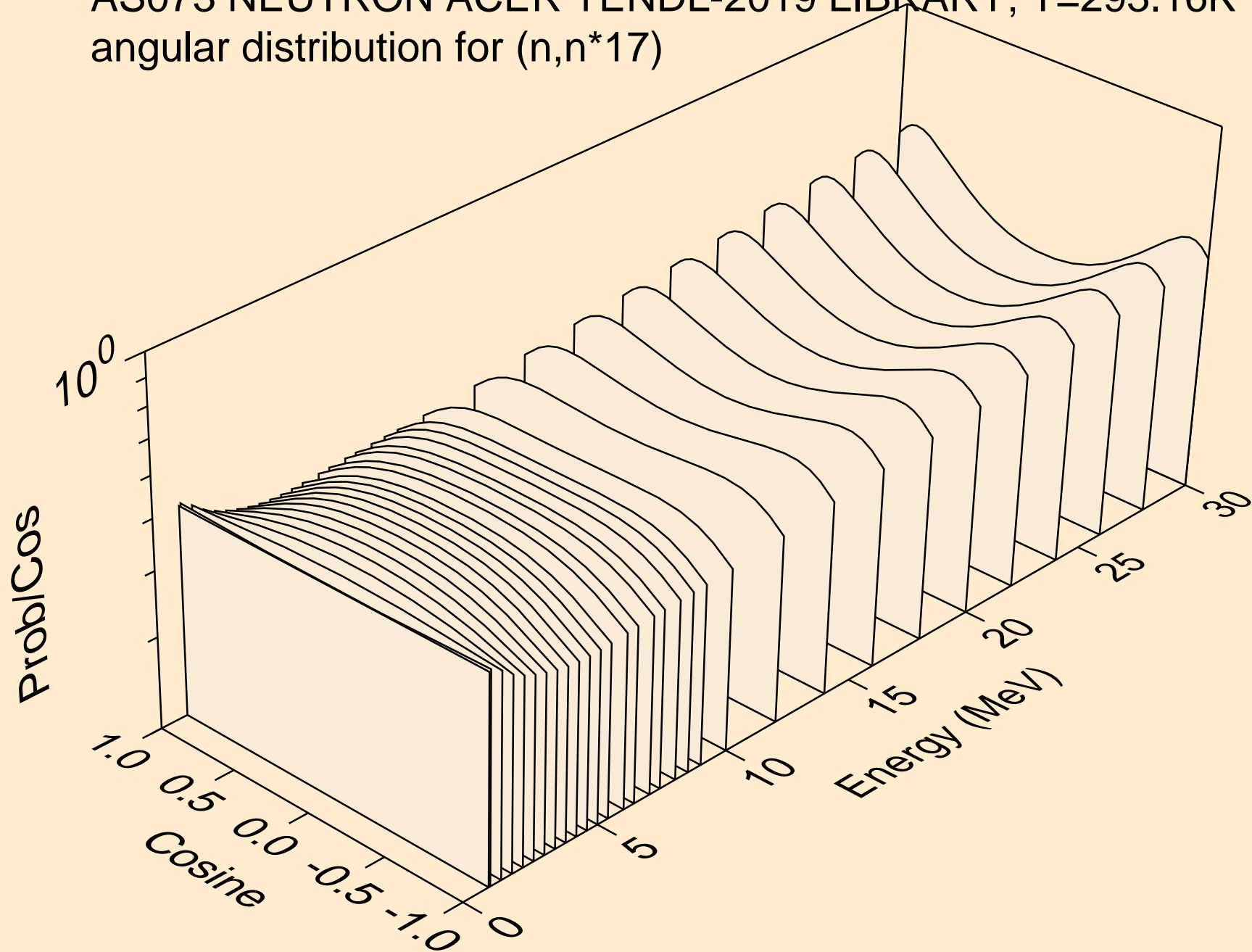
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angular distribution for (n,n\*15)



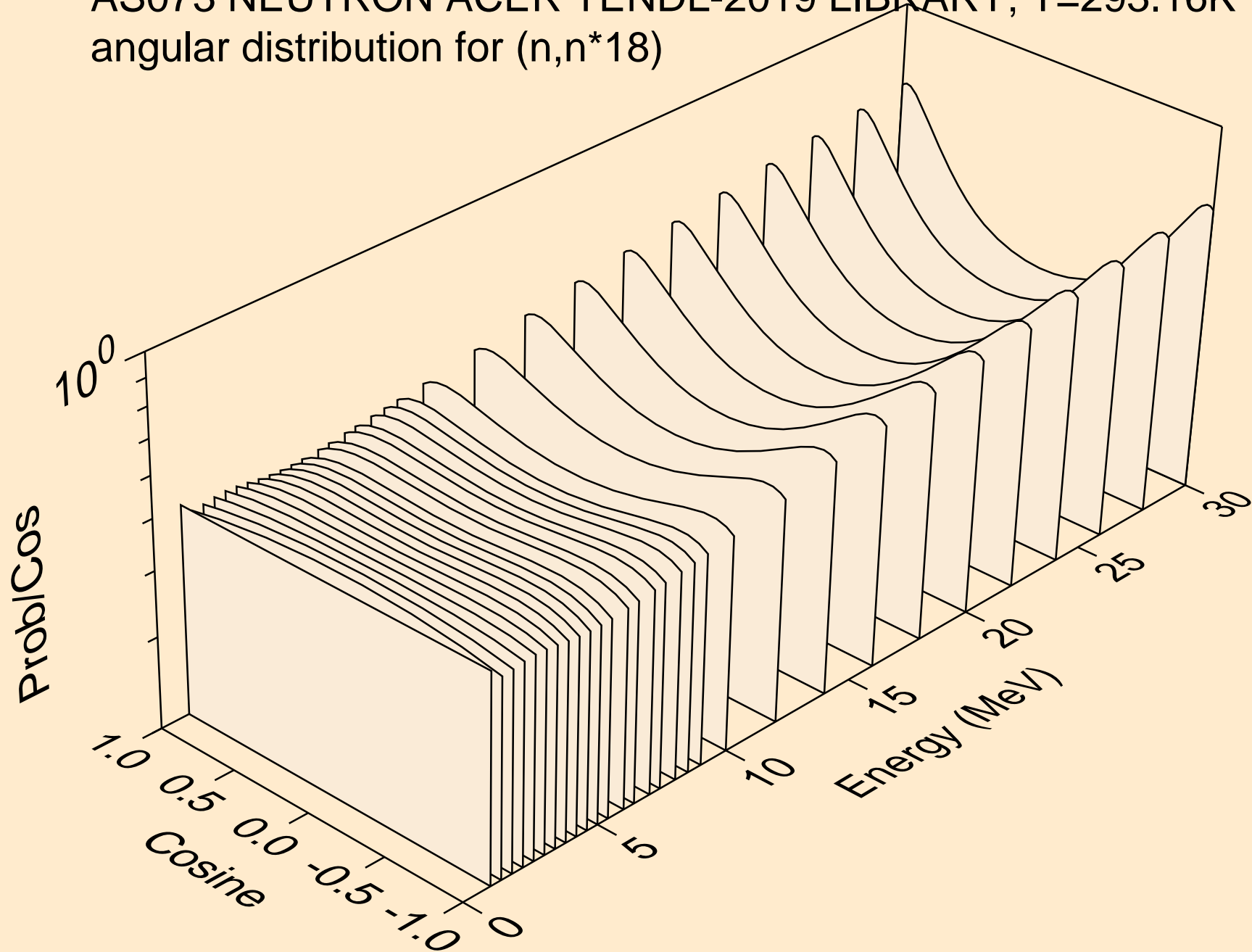
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angular distribution for (n,n\*16)



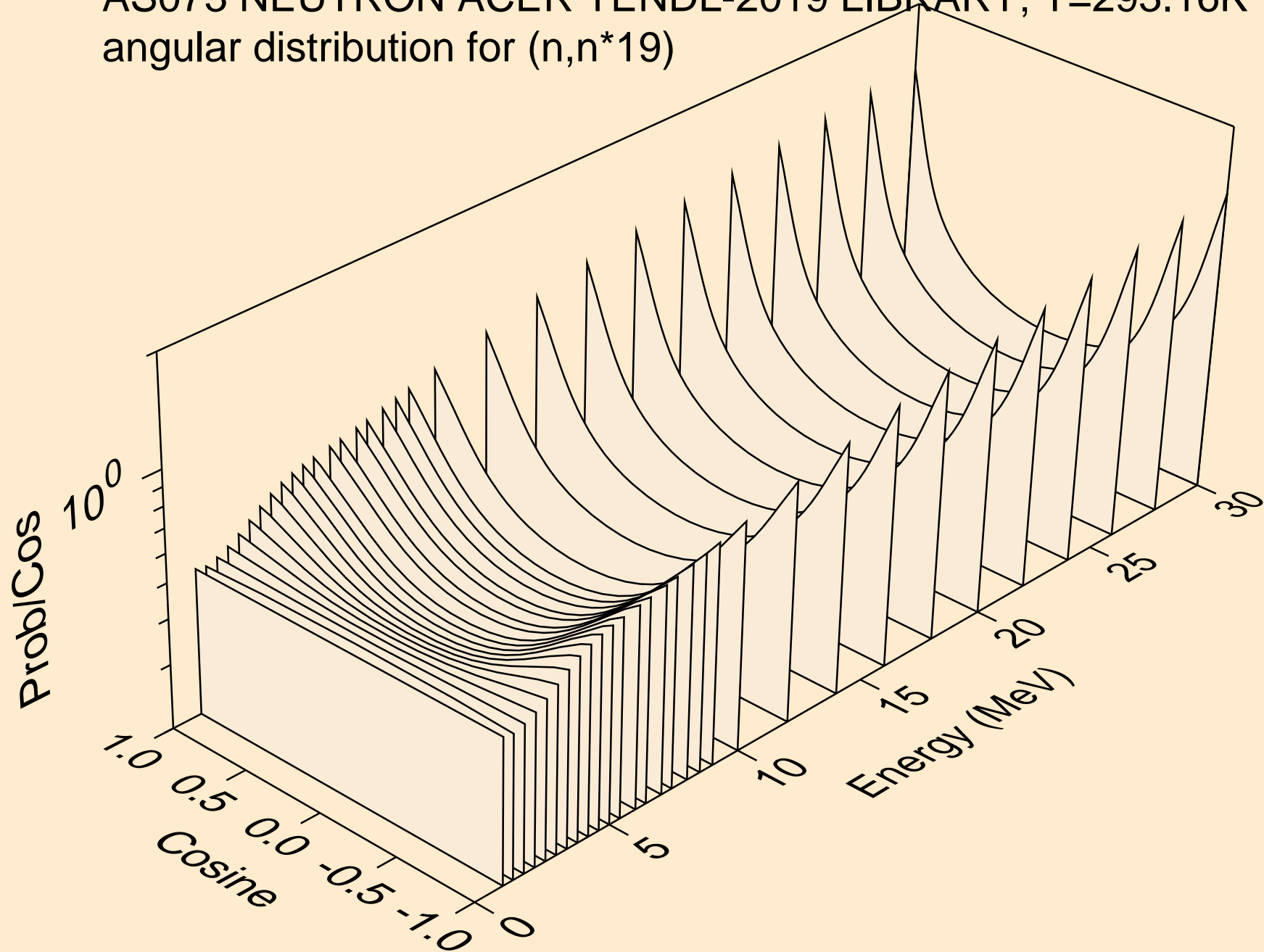
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angular distribution for (n,n\*17)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

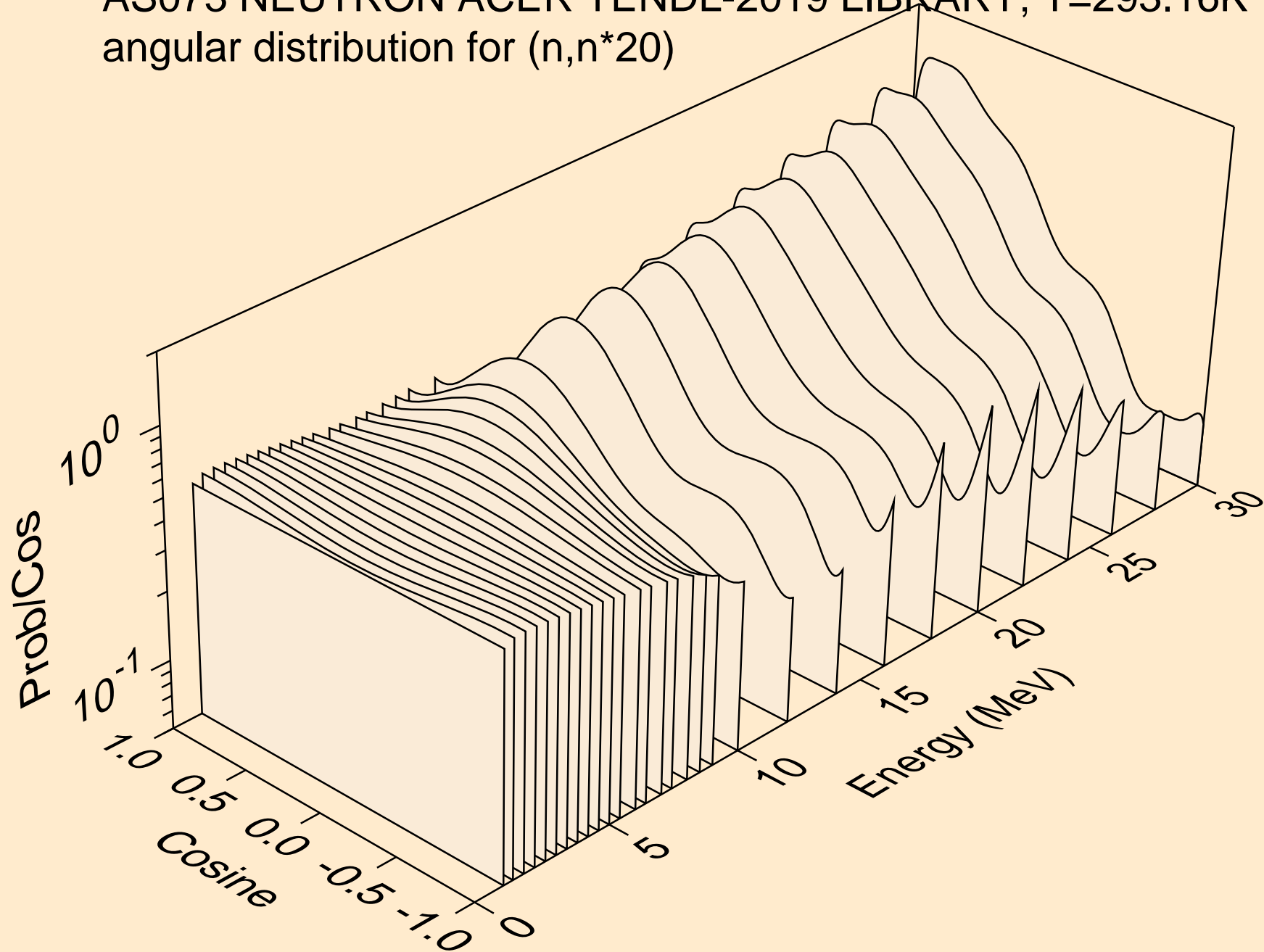


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angular distribution for (n,n\*19)

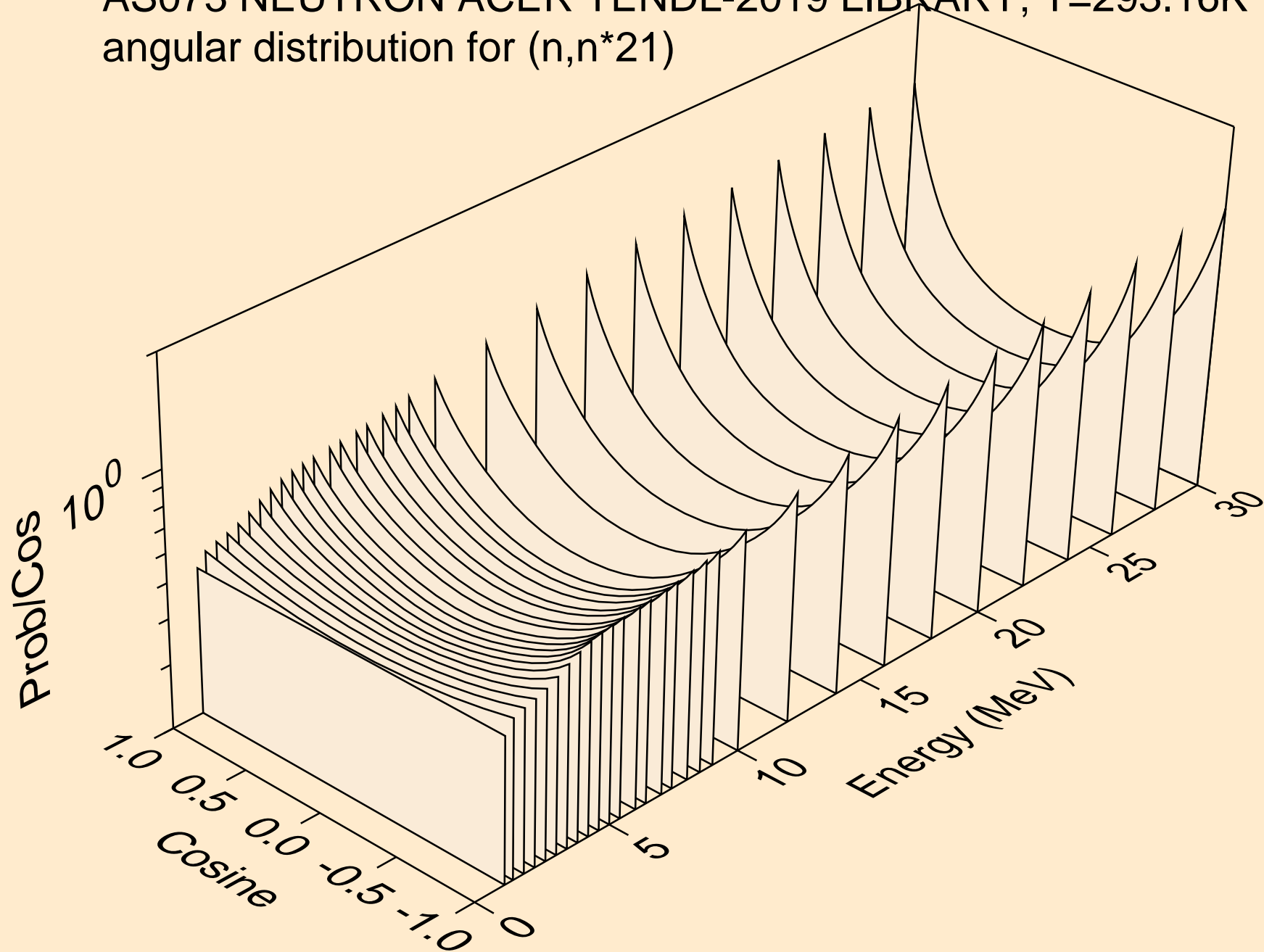




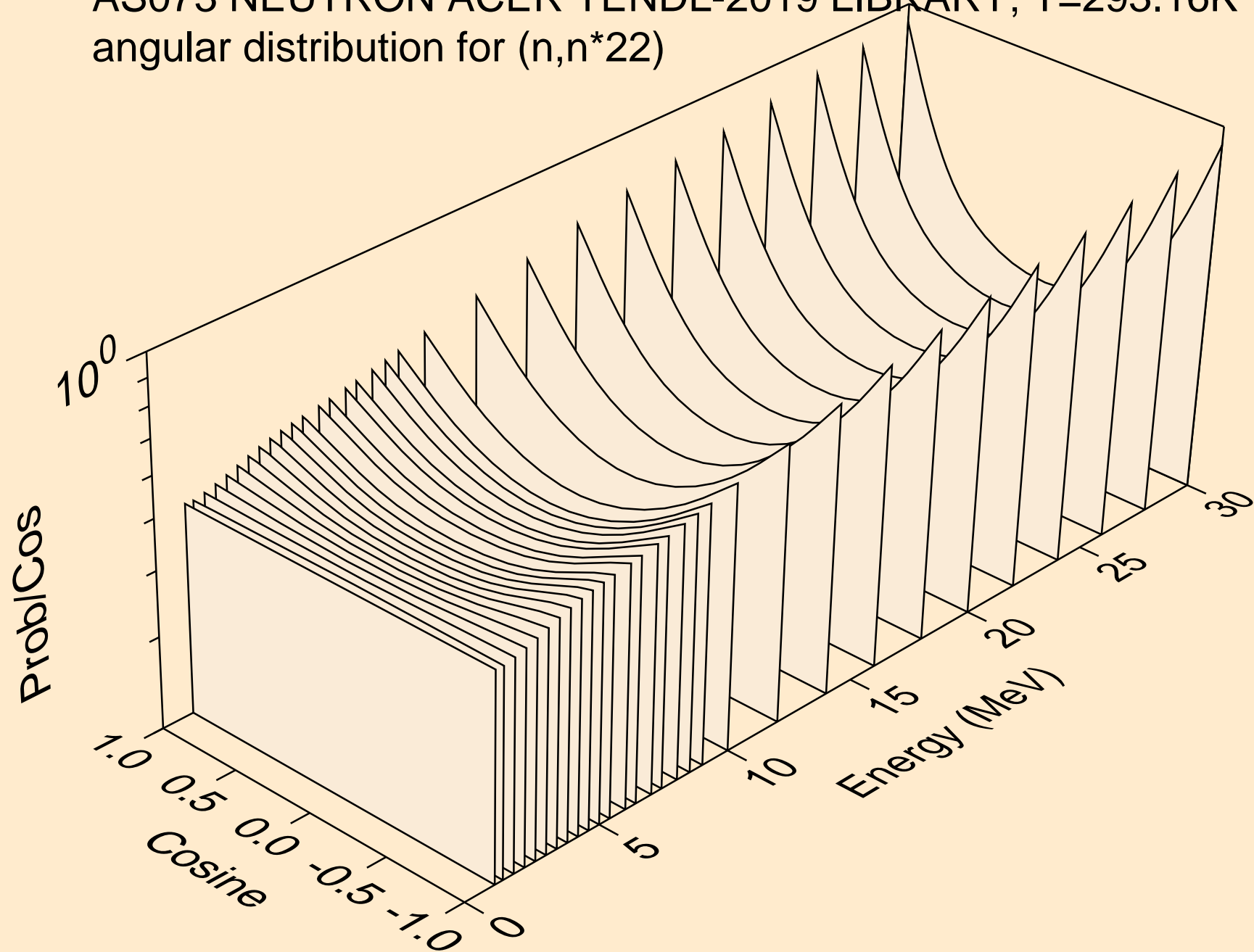
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angular distribution for (n,n\*20)



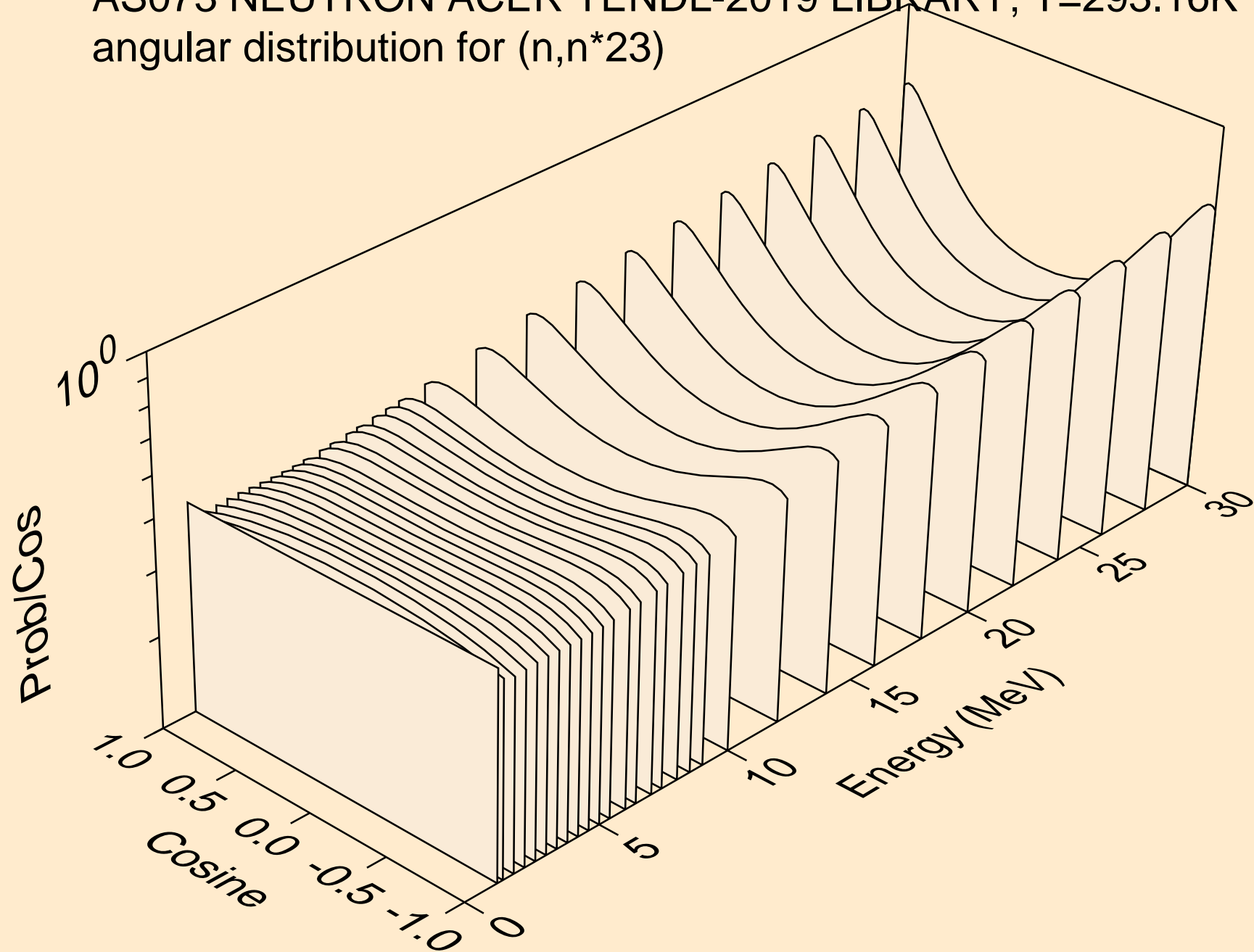
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angular distribution for (n,n\*21)



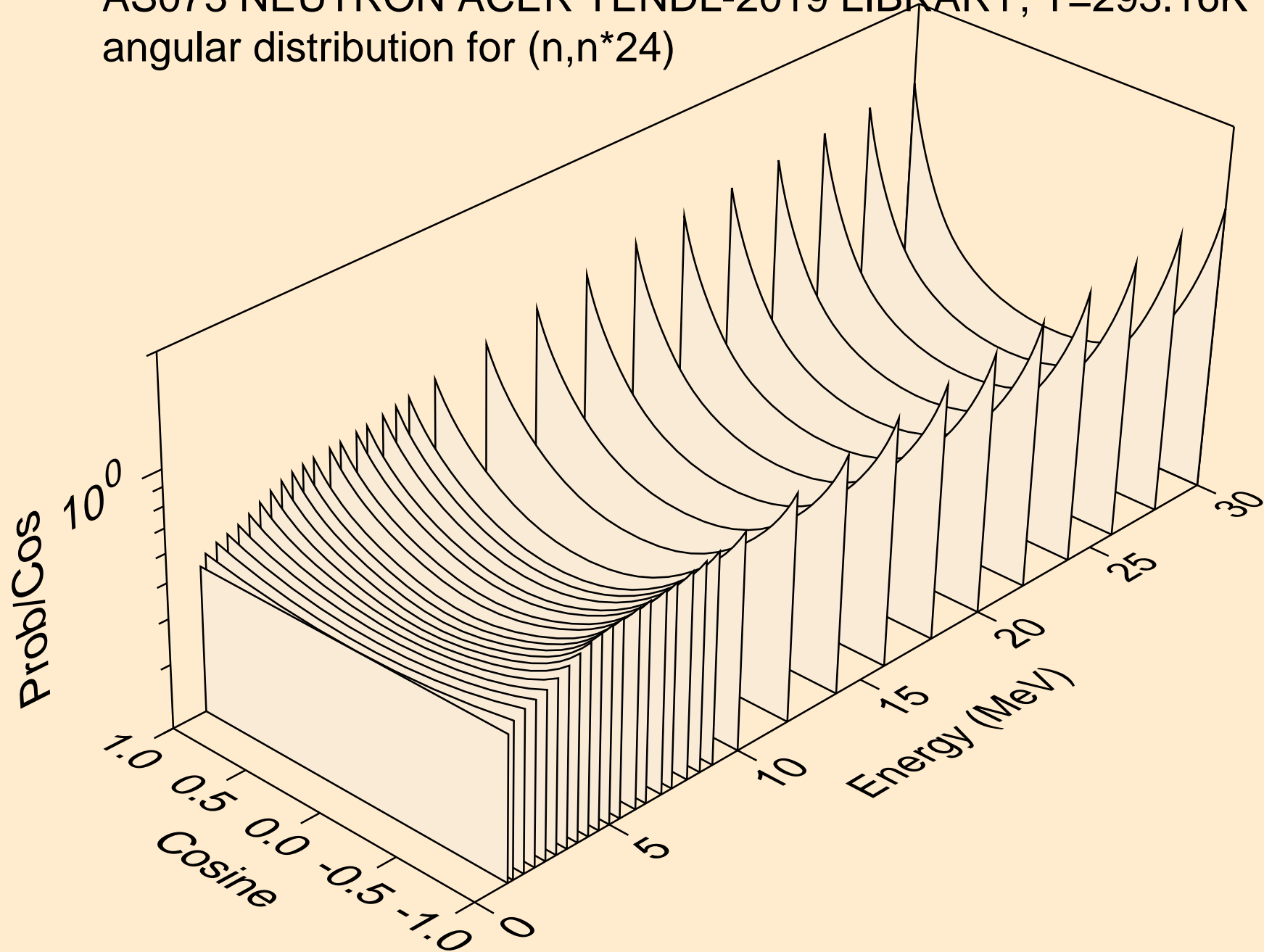
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angular distribution for (n,n\*22)



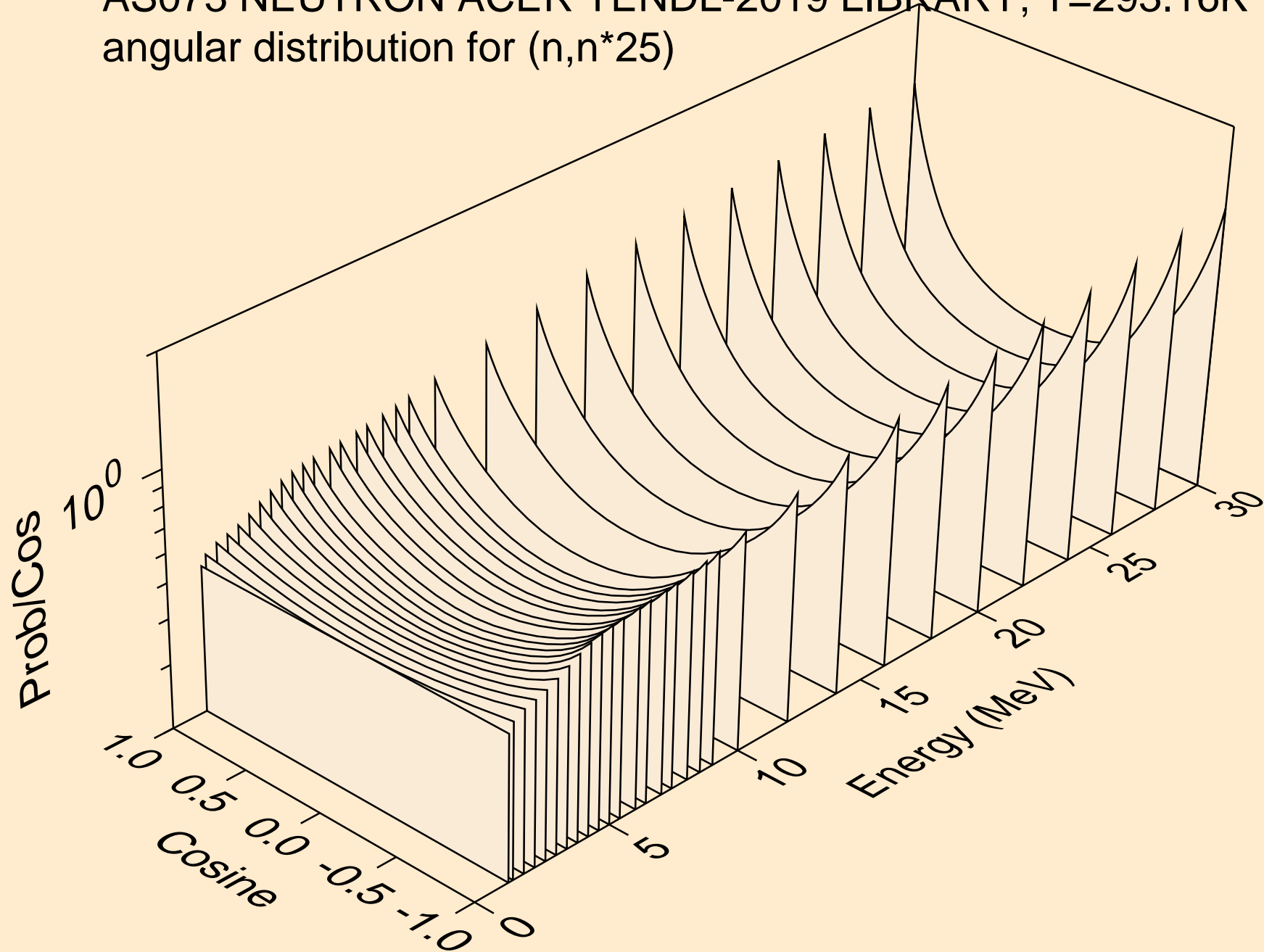
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angular distribution for (n,n\*23)



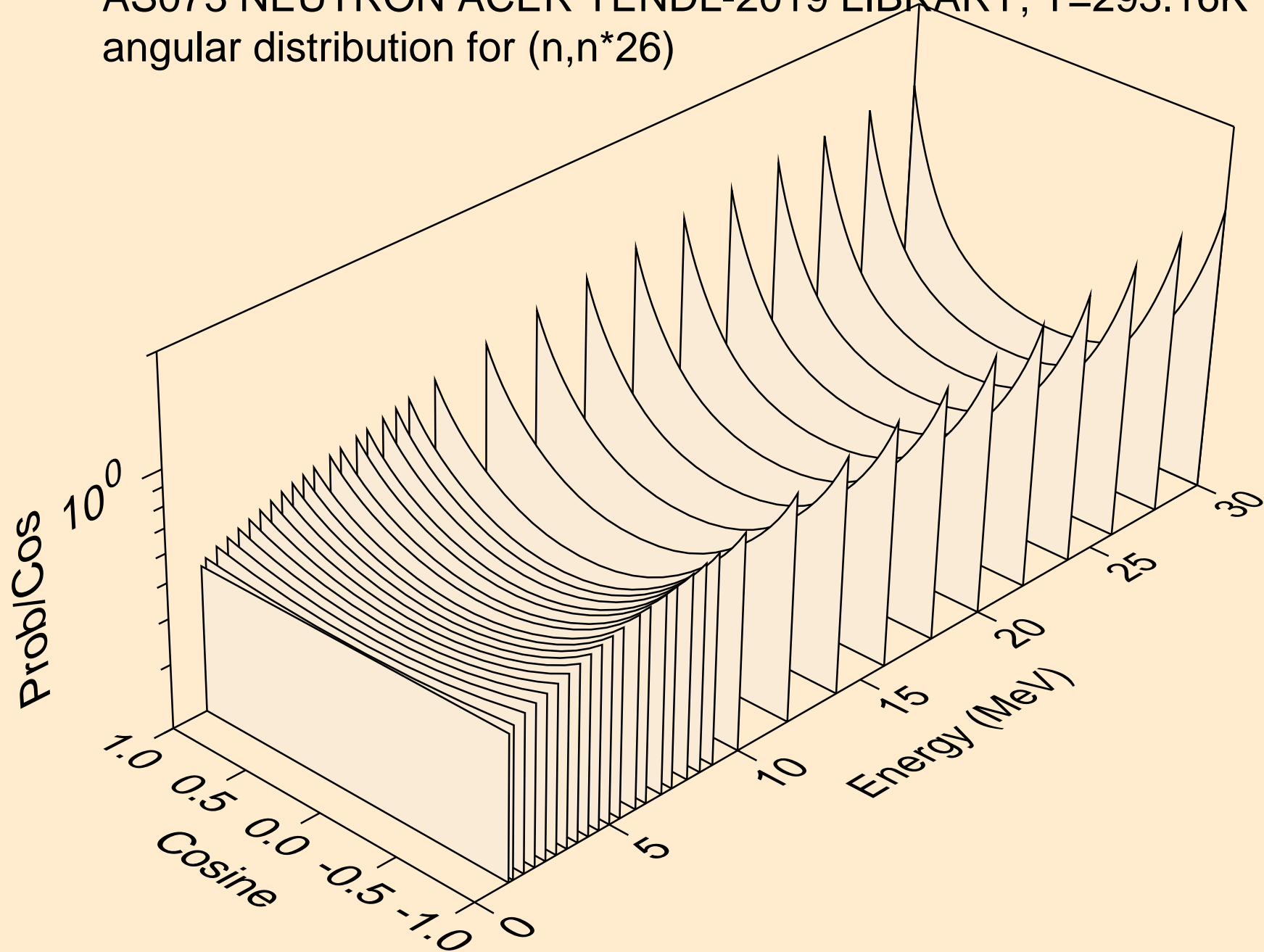
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angular distribution for (n,n\*24)



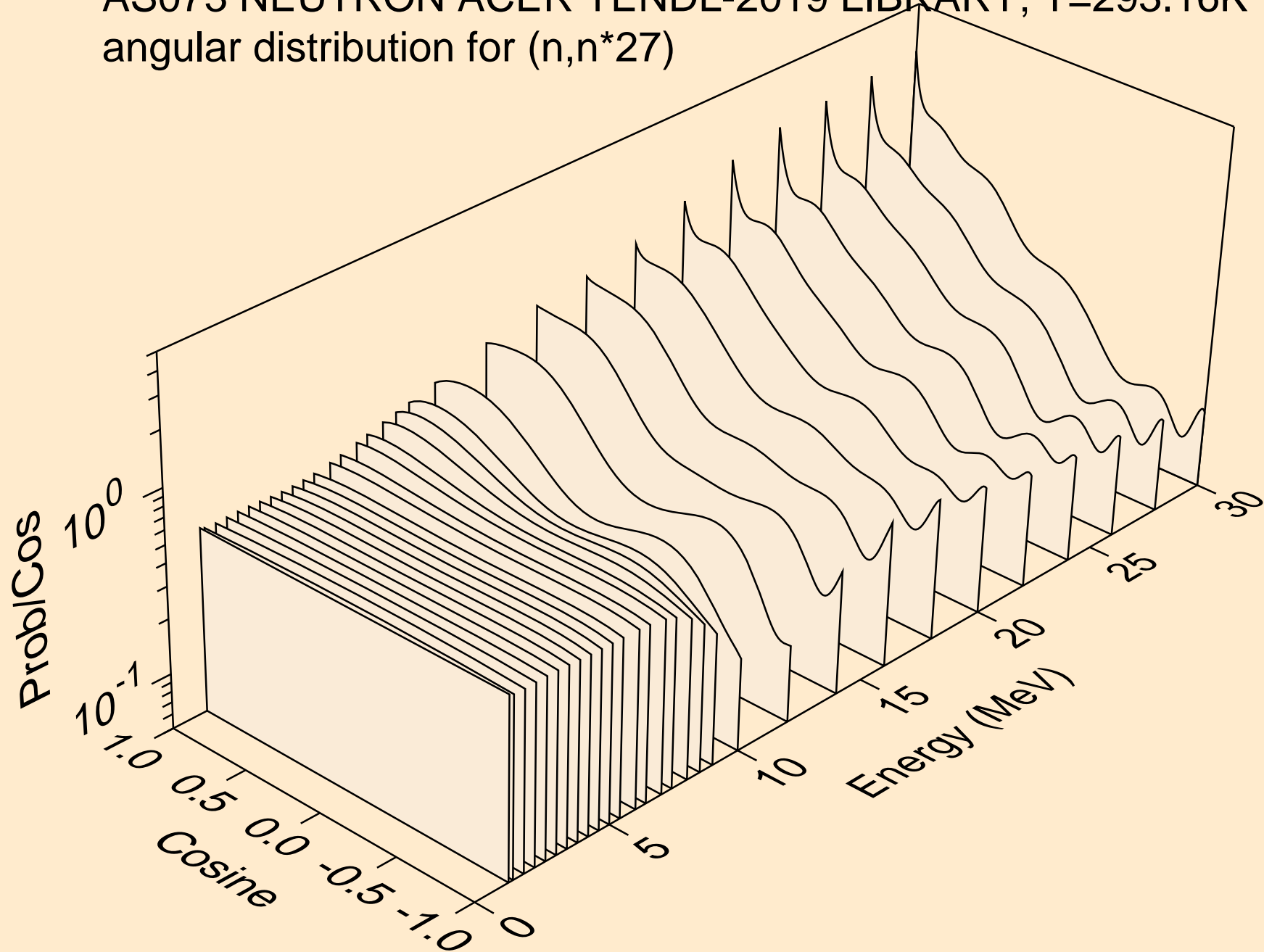
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

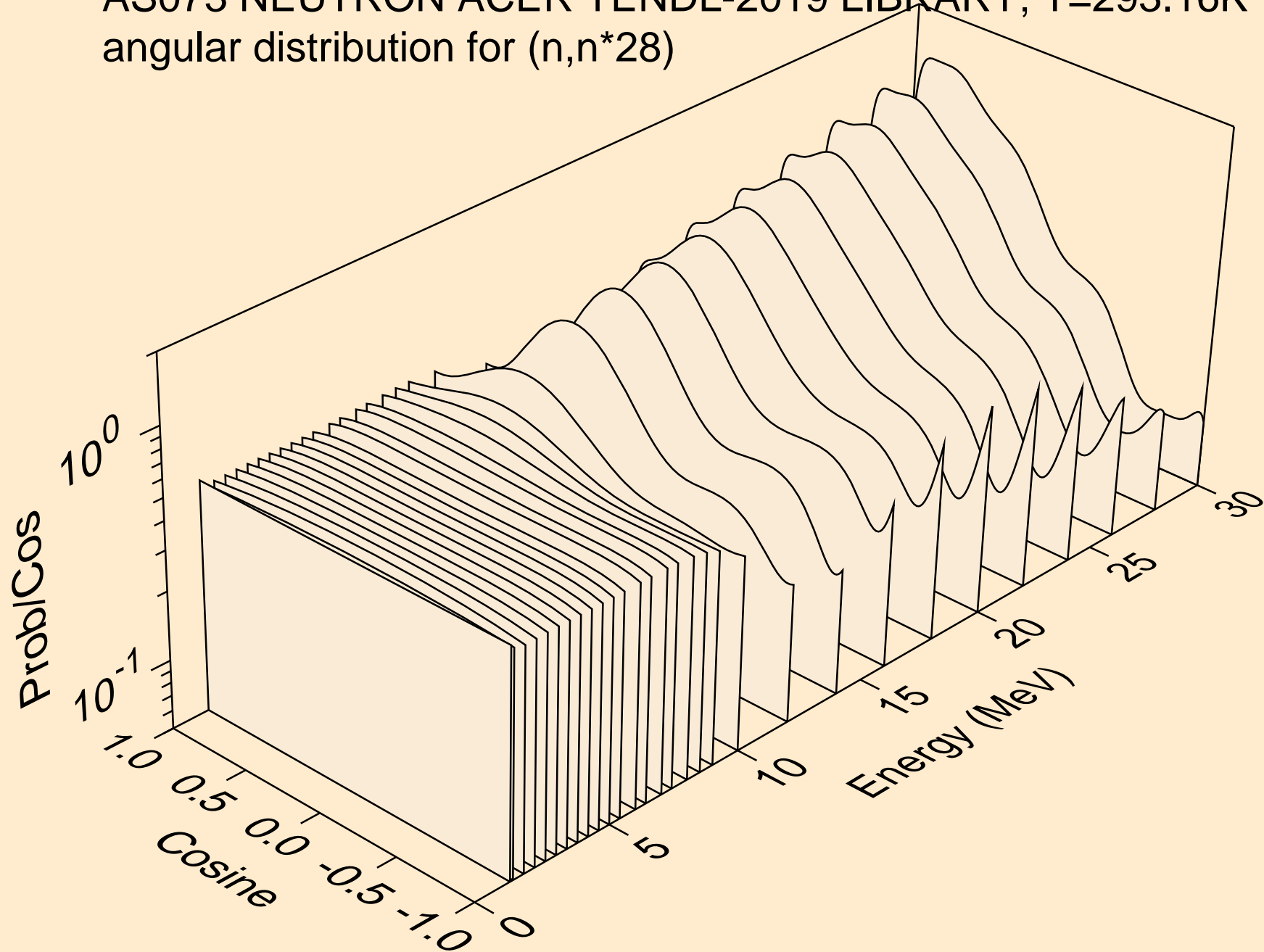


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angular distribution for (n,n\*27)

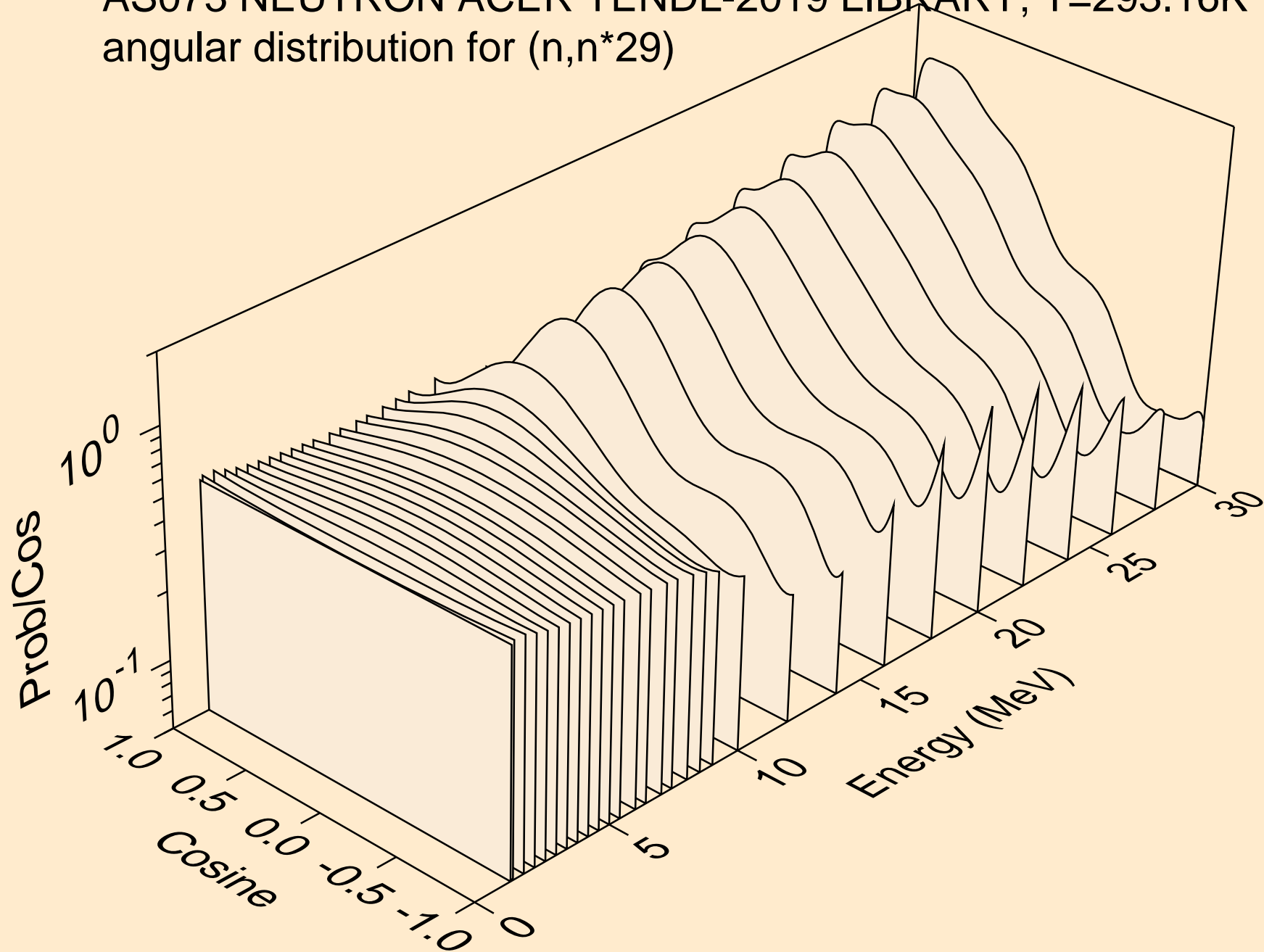




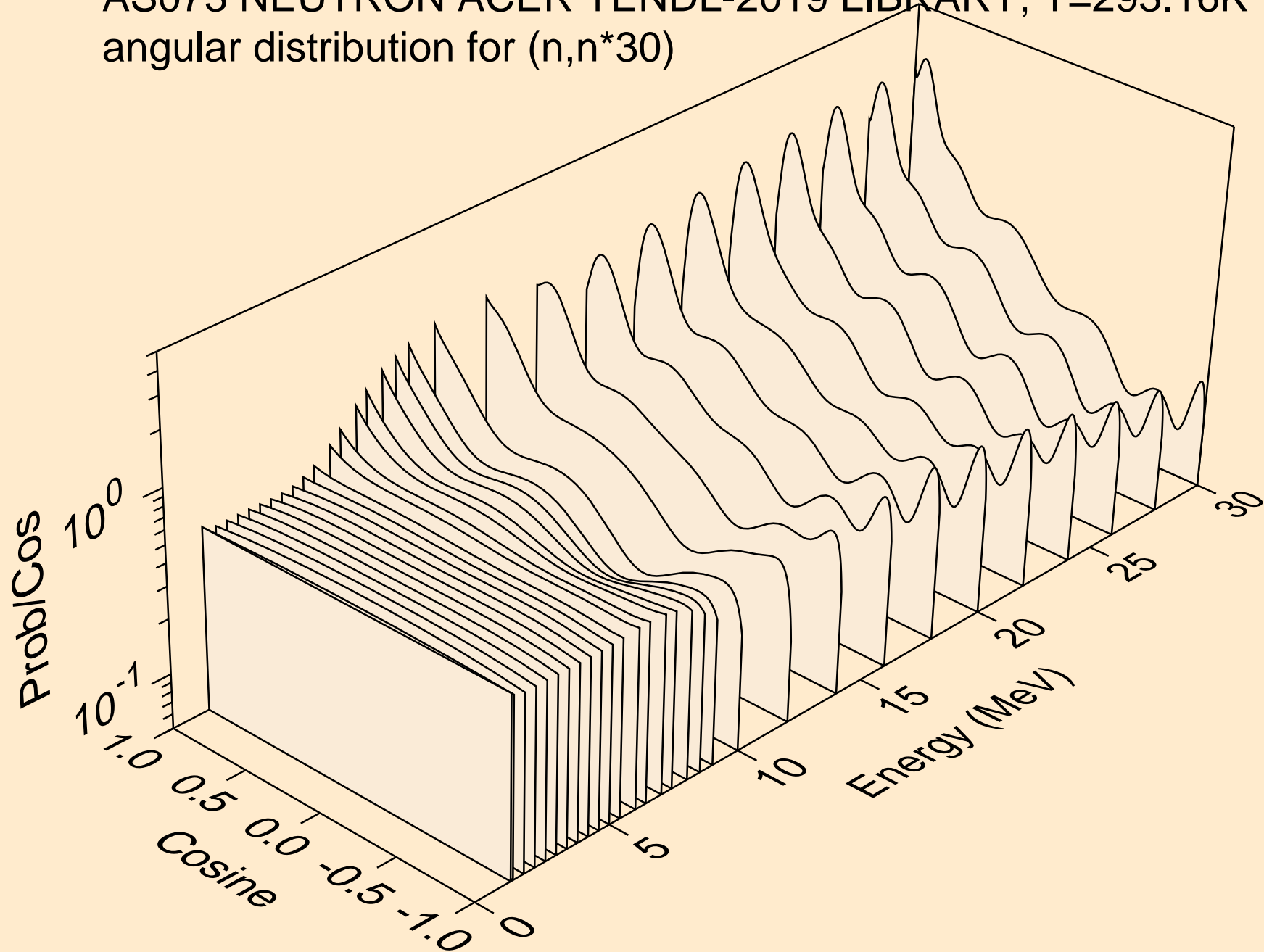
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angular distribution for (n,n\*28)



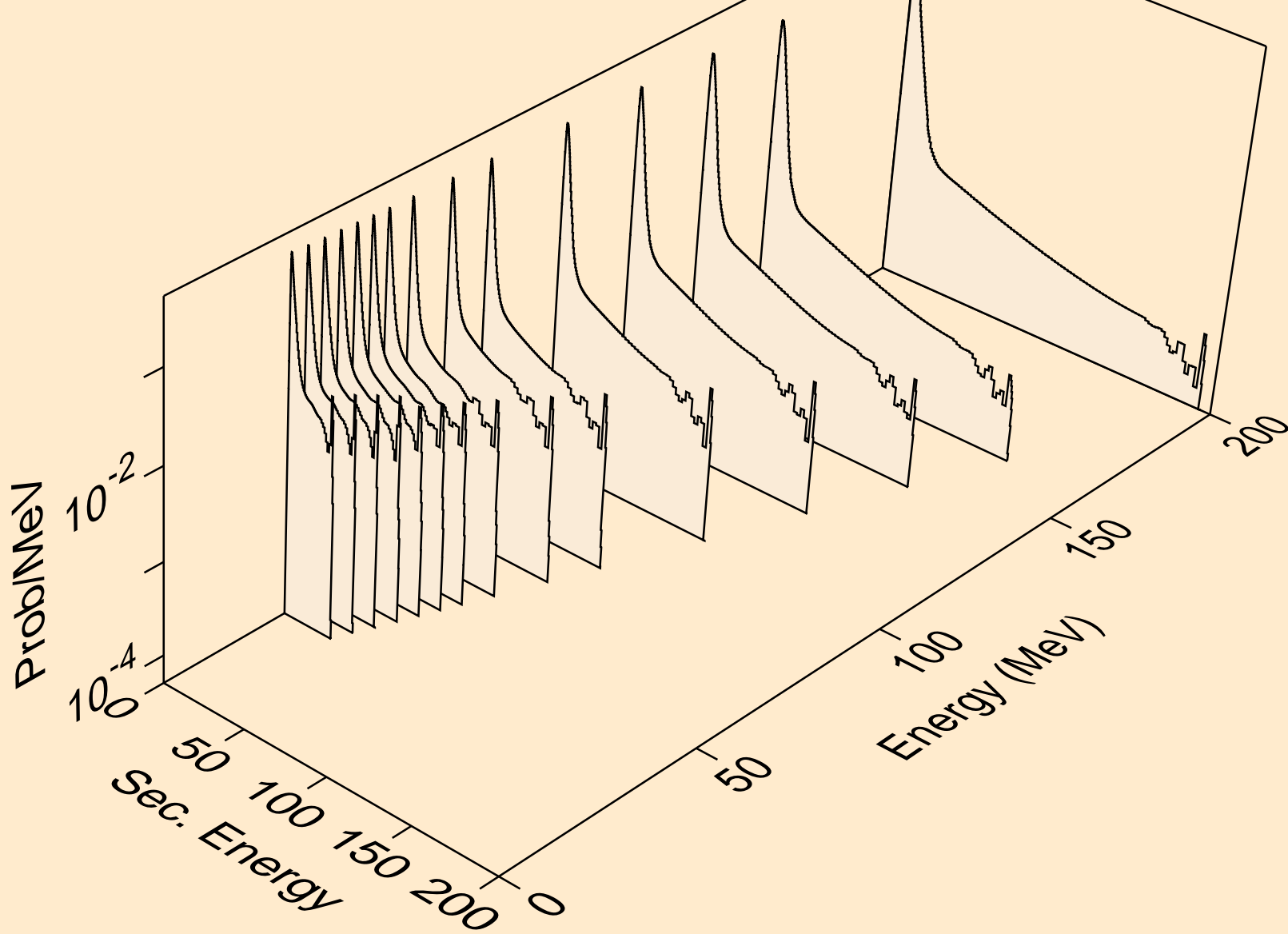
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angular distribution for (n,n\*29)



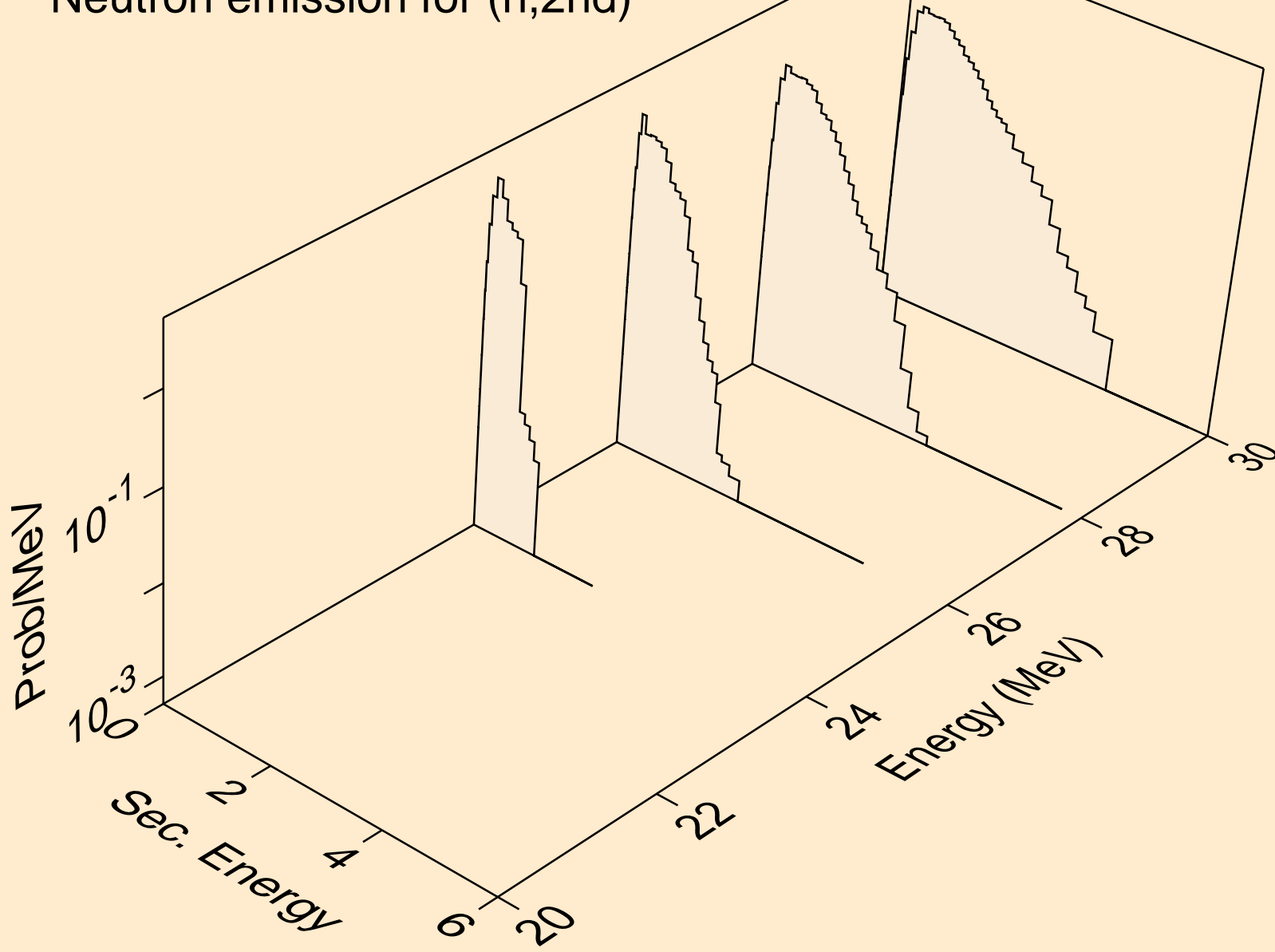
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angular distribution for (n,n\*30)



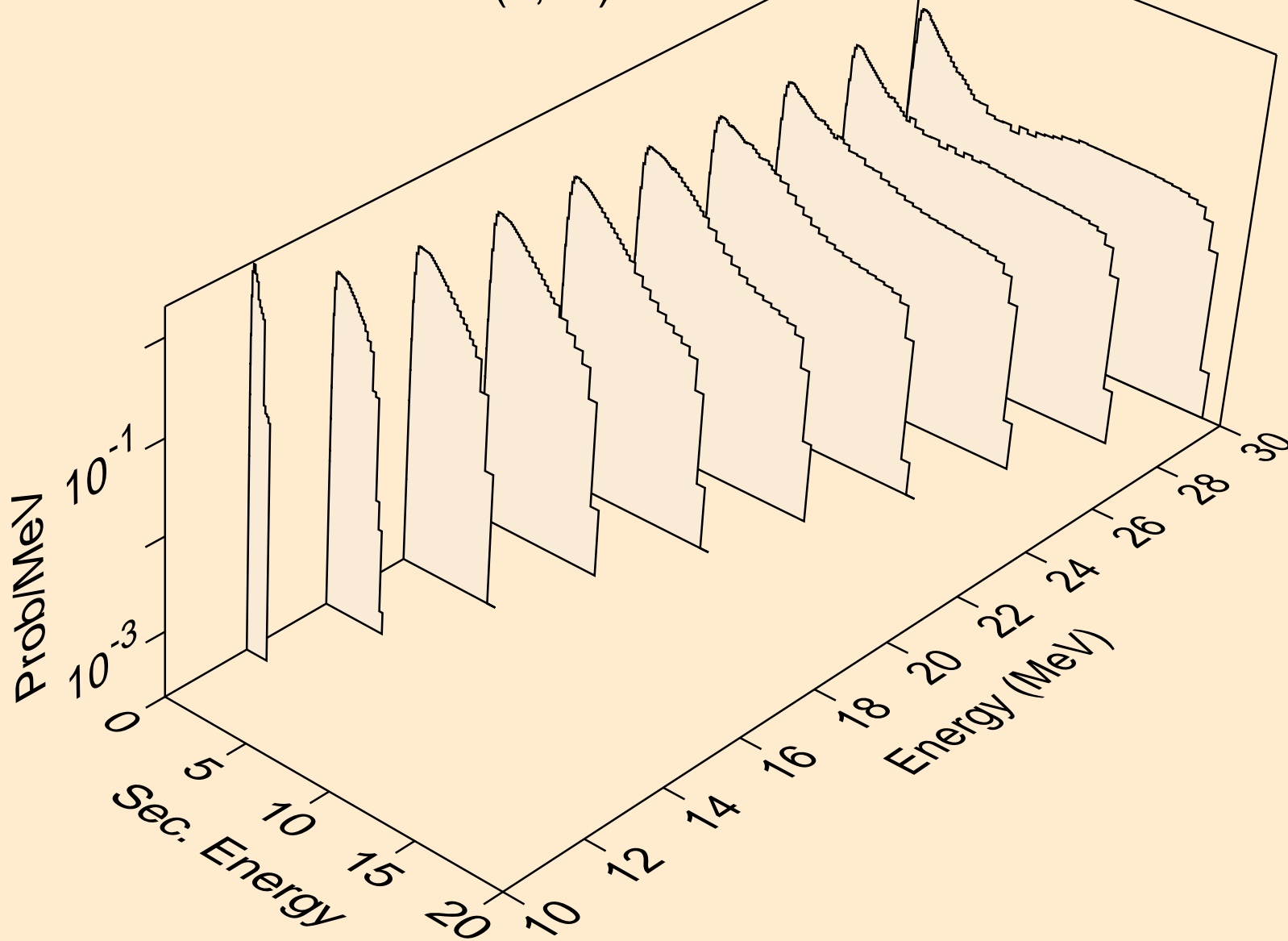
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



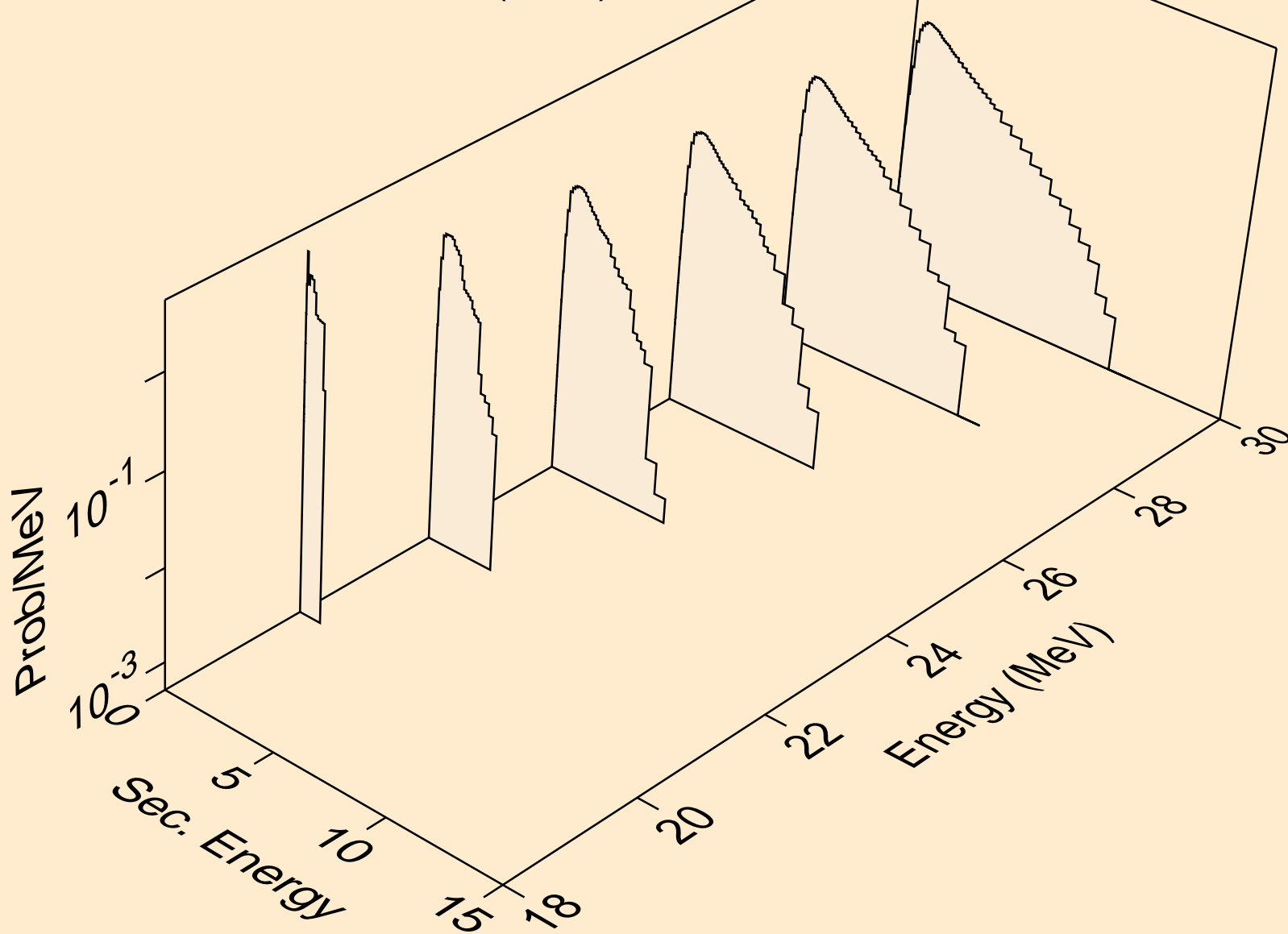
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



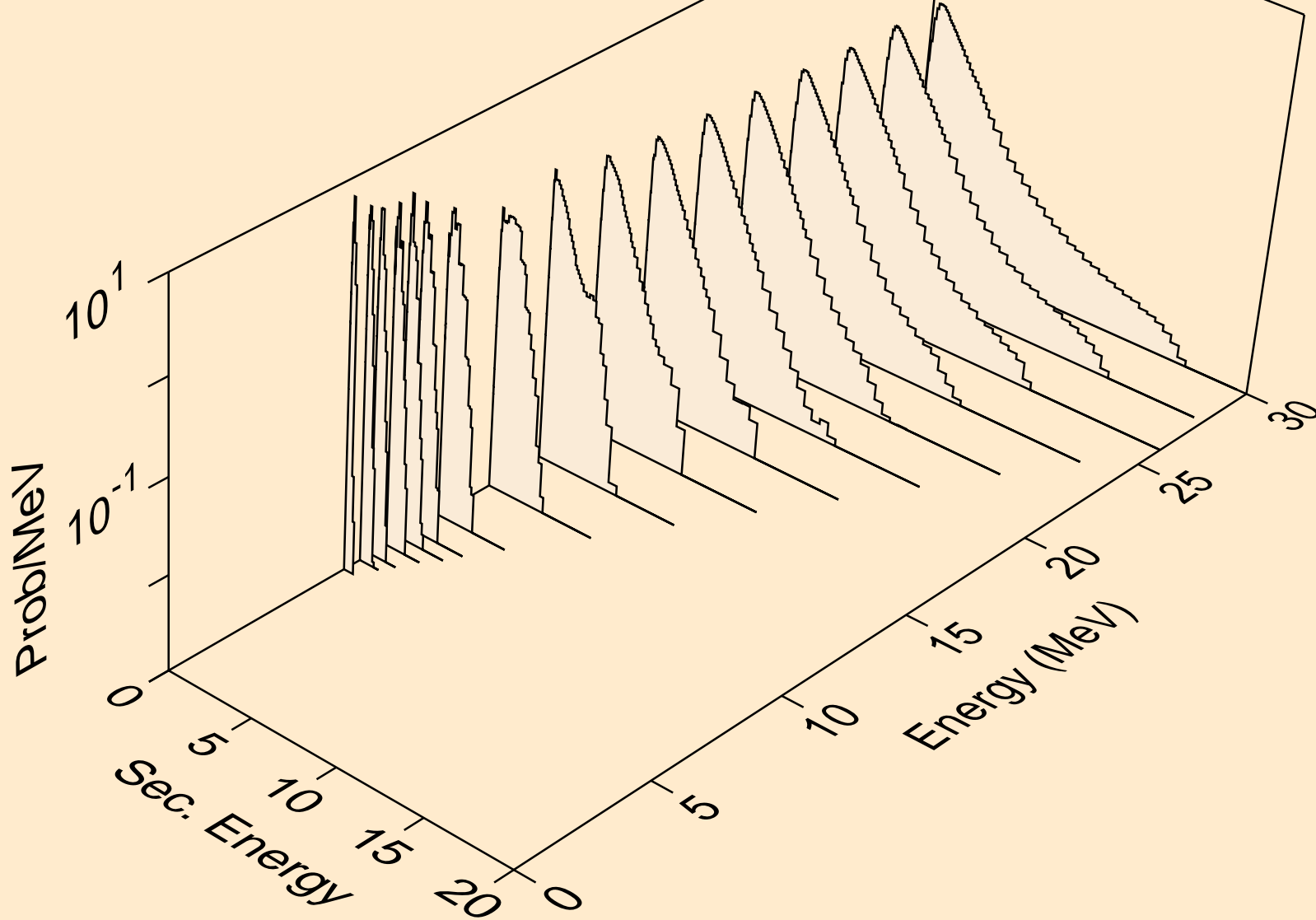
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

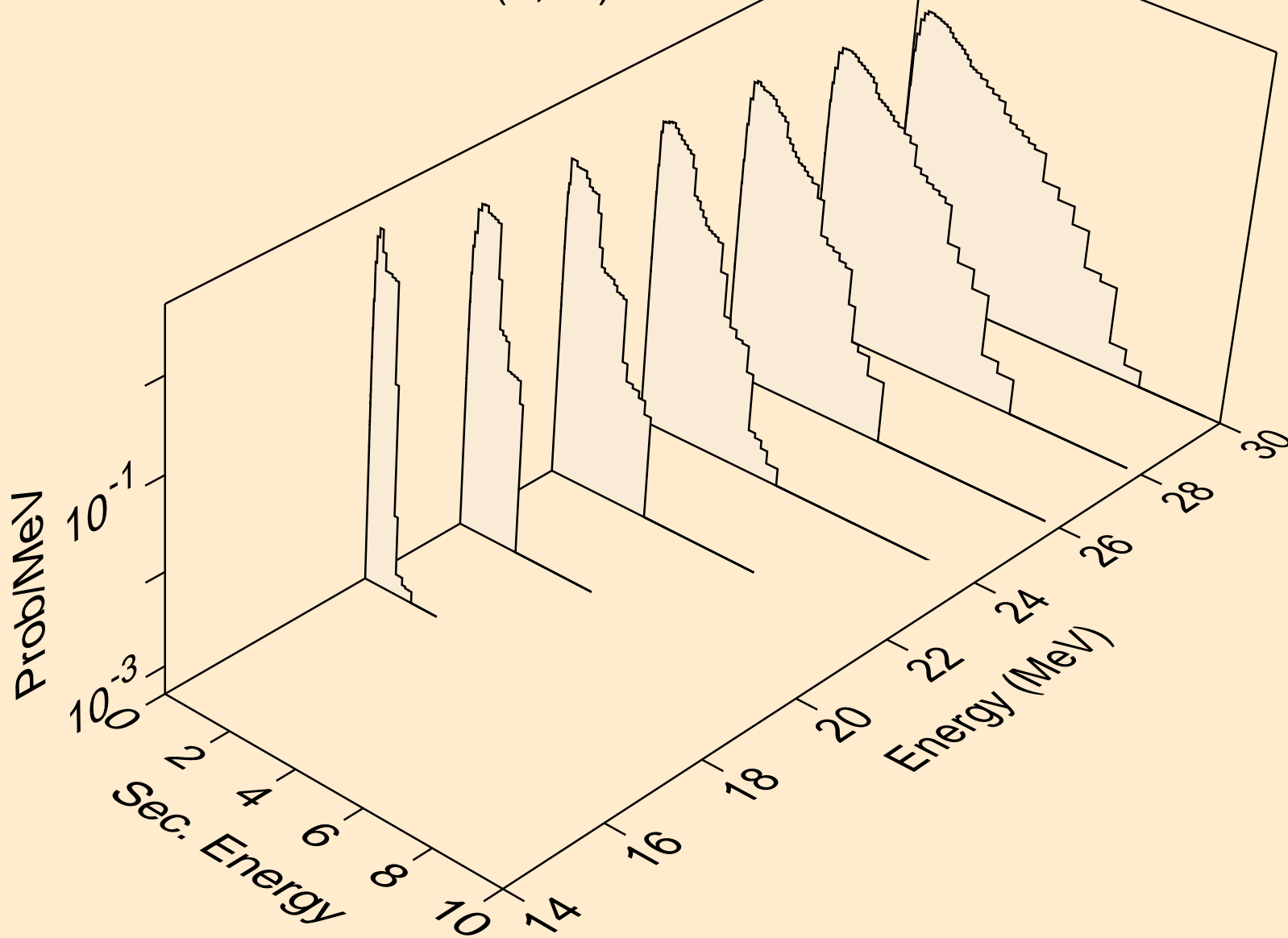


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

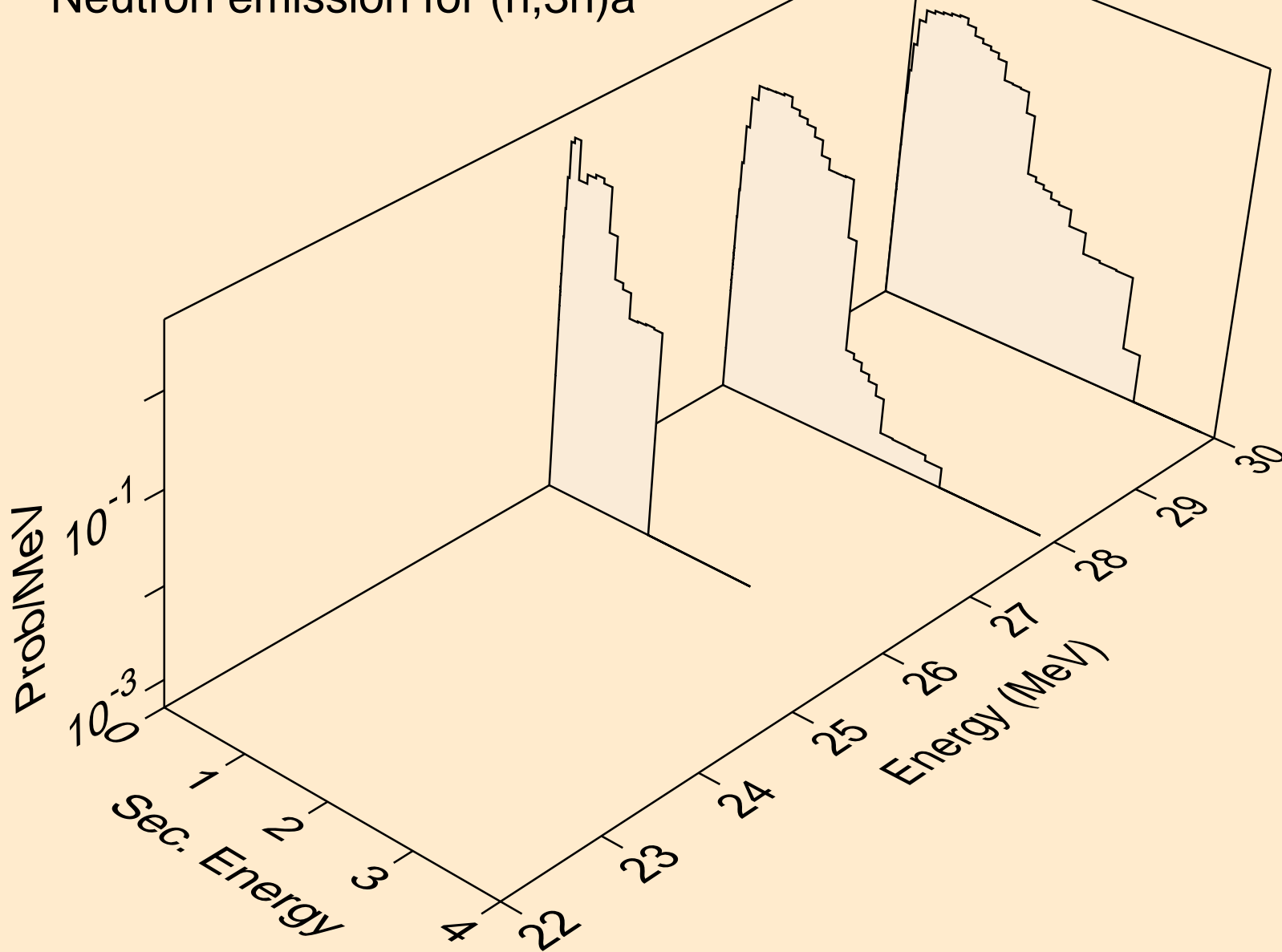




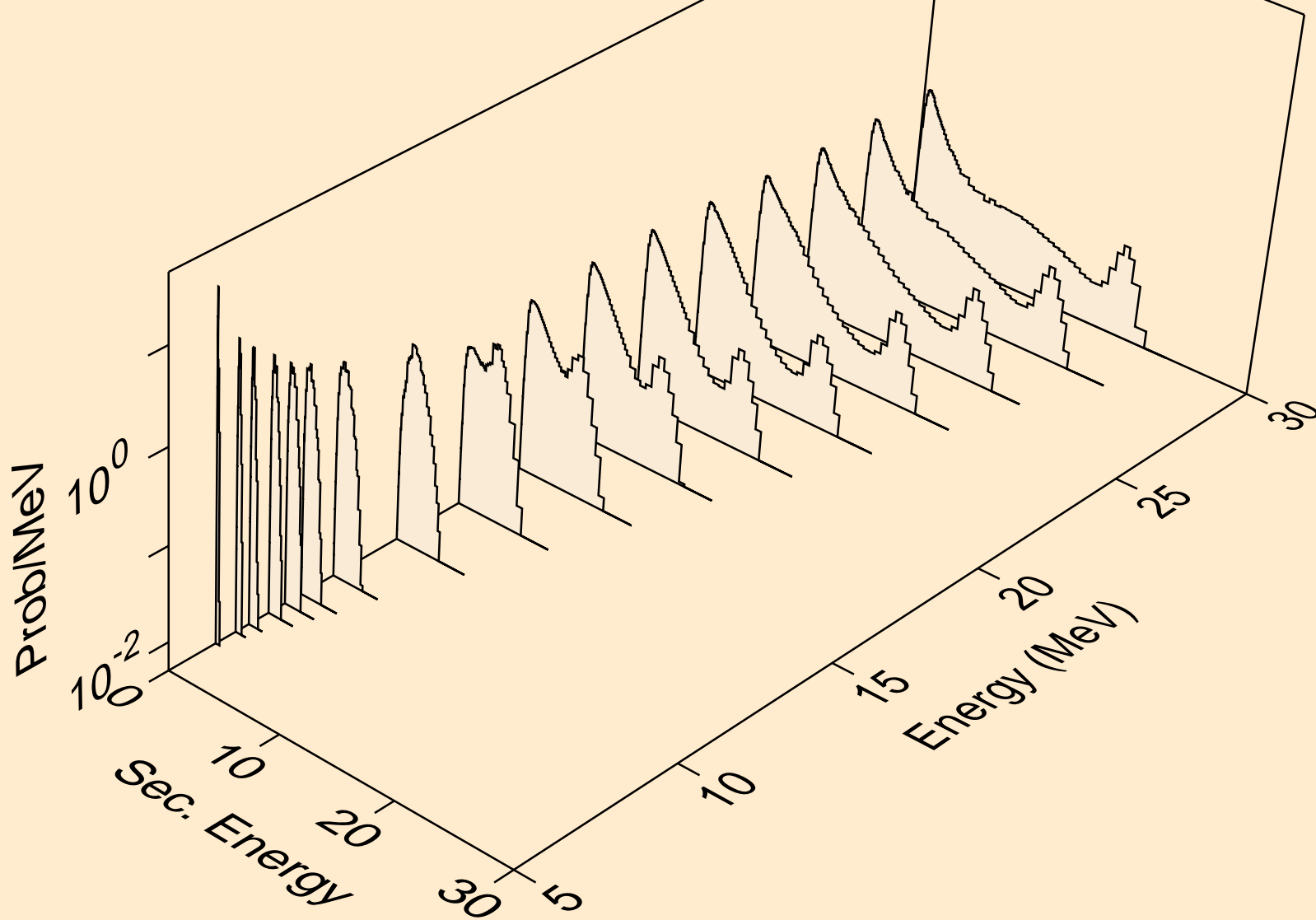
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Neutron emission for (n,2n)a



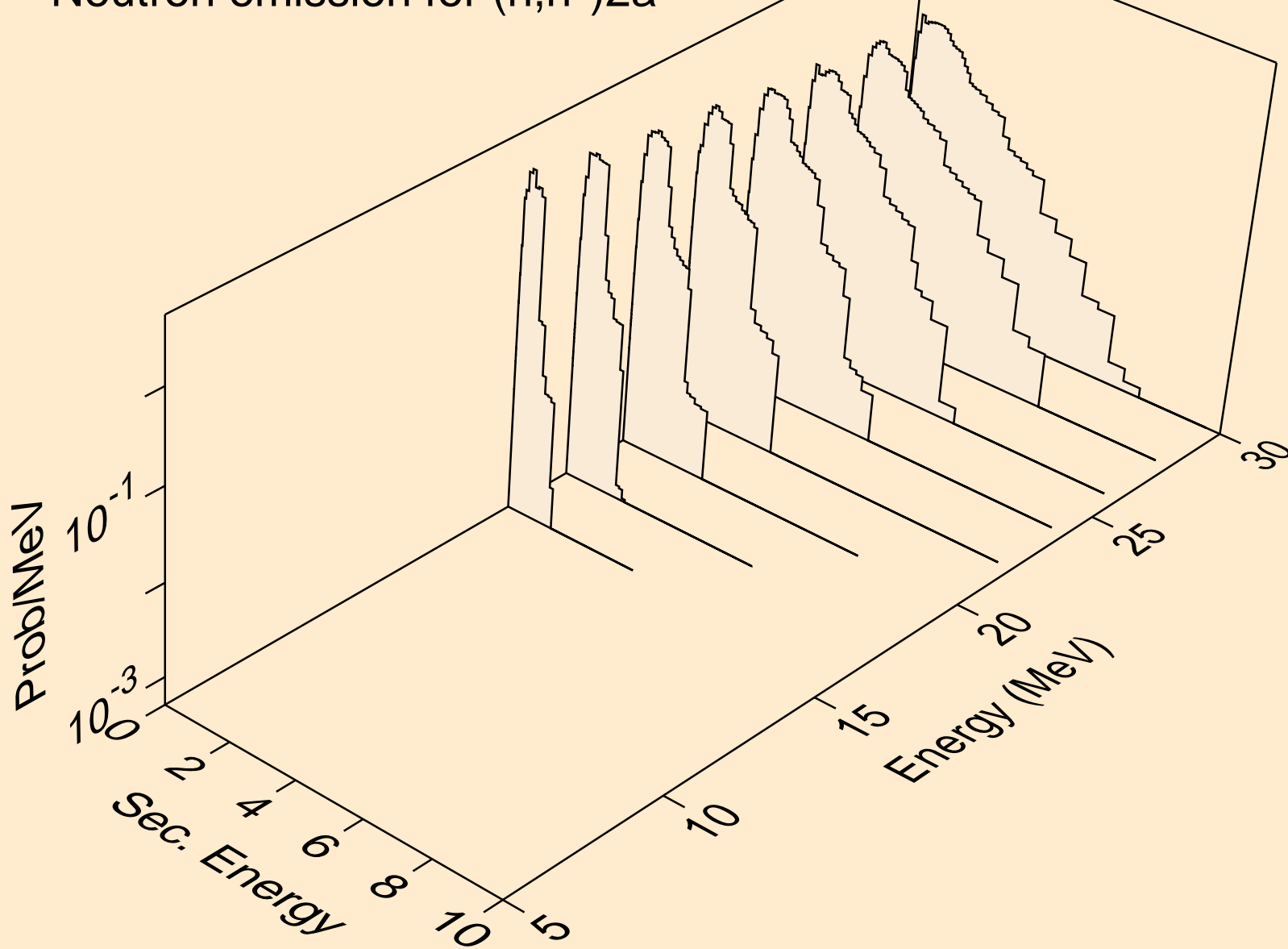
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



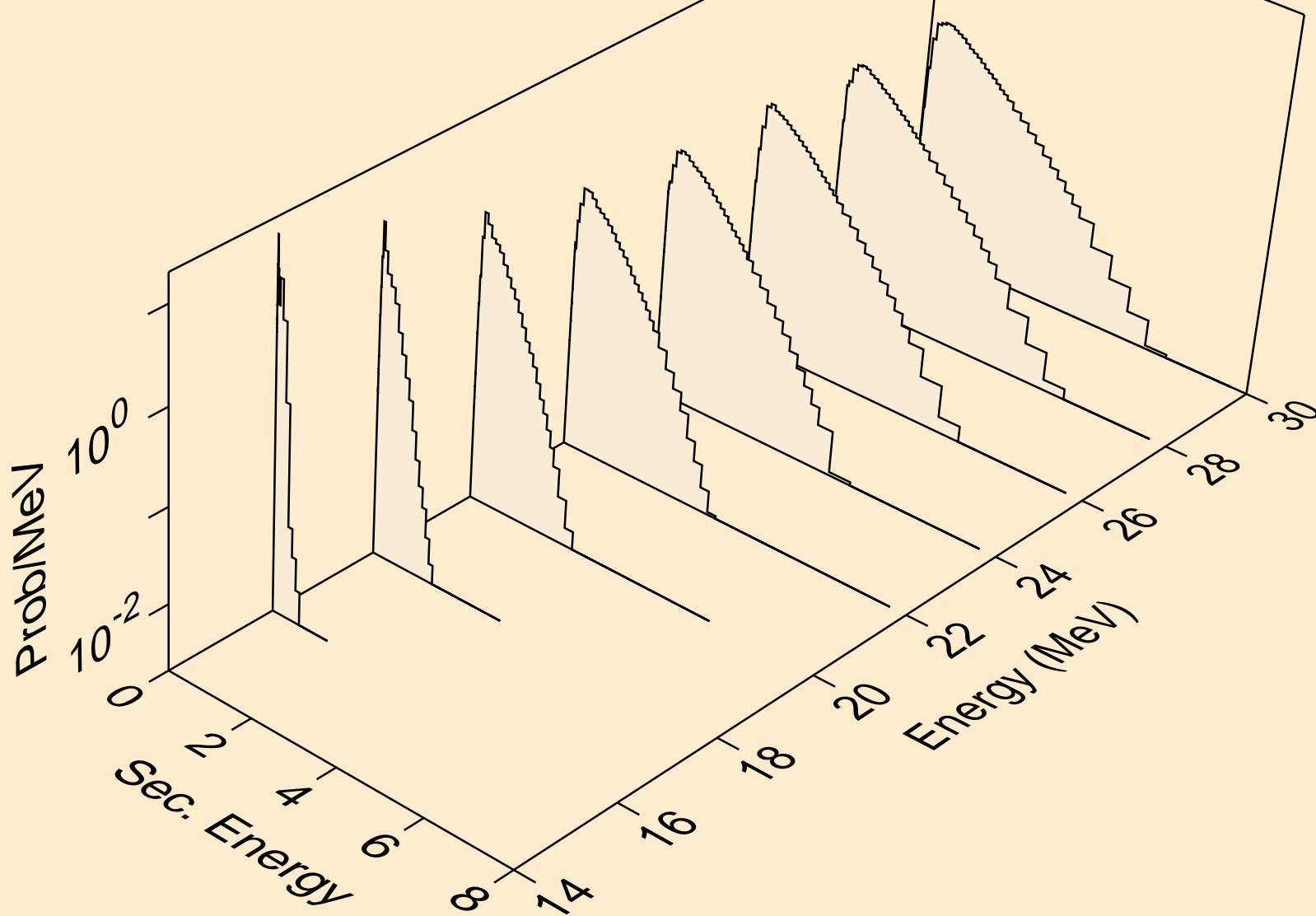
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



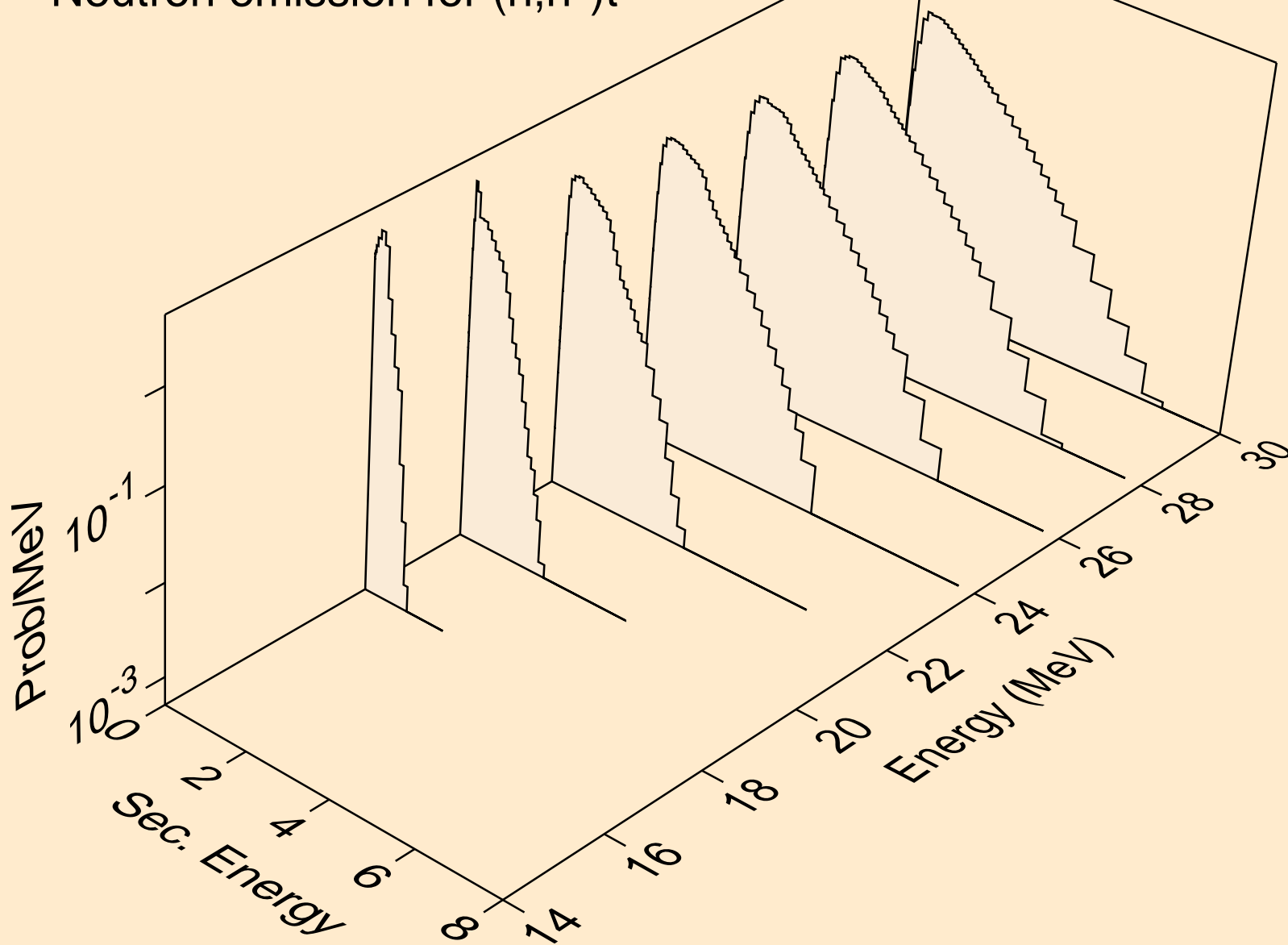
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



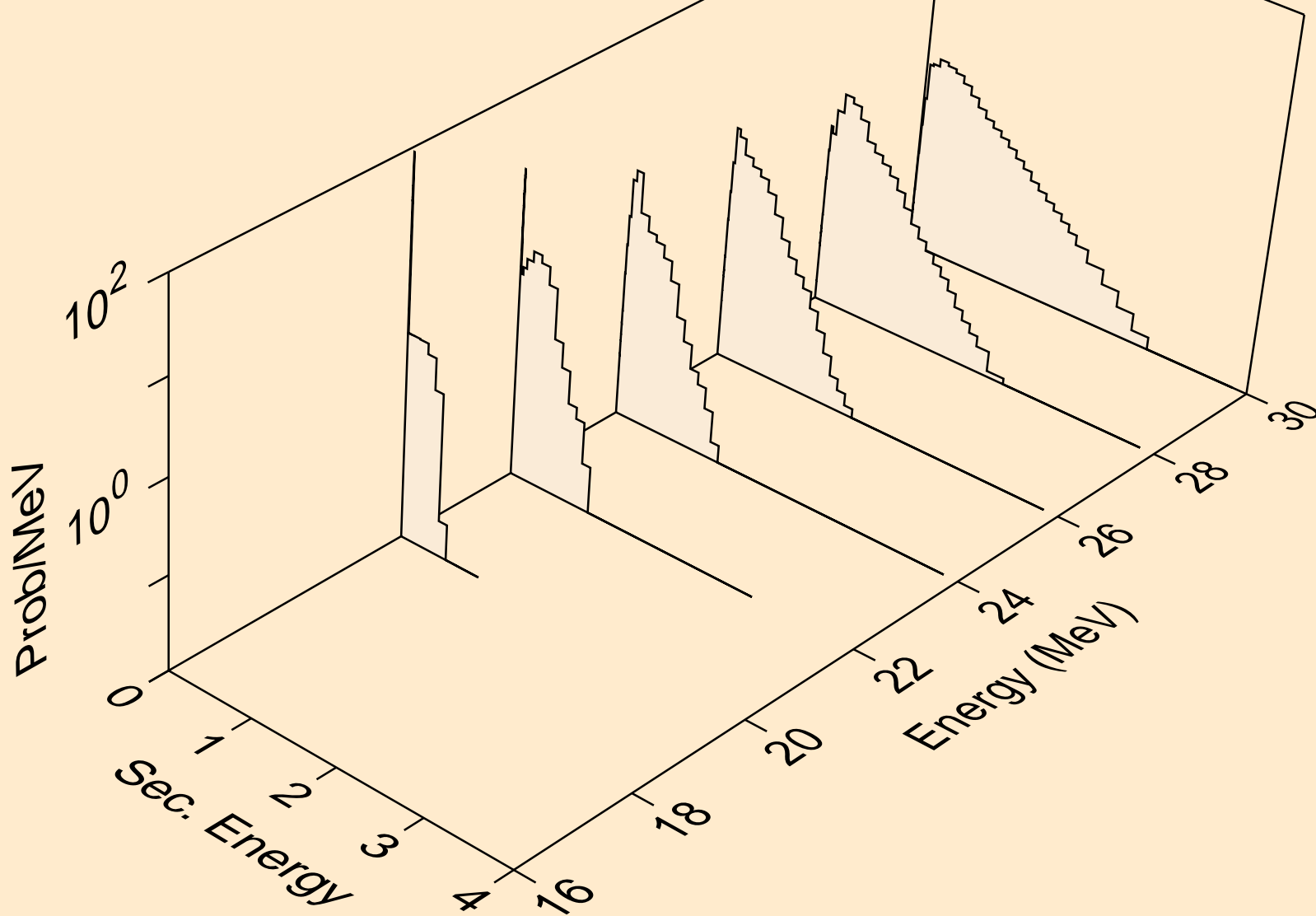
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



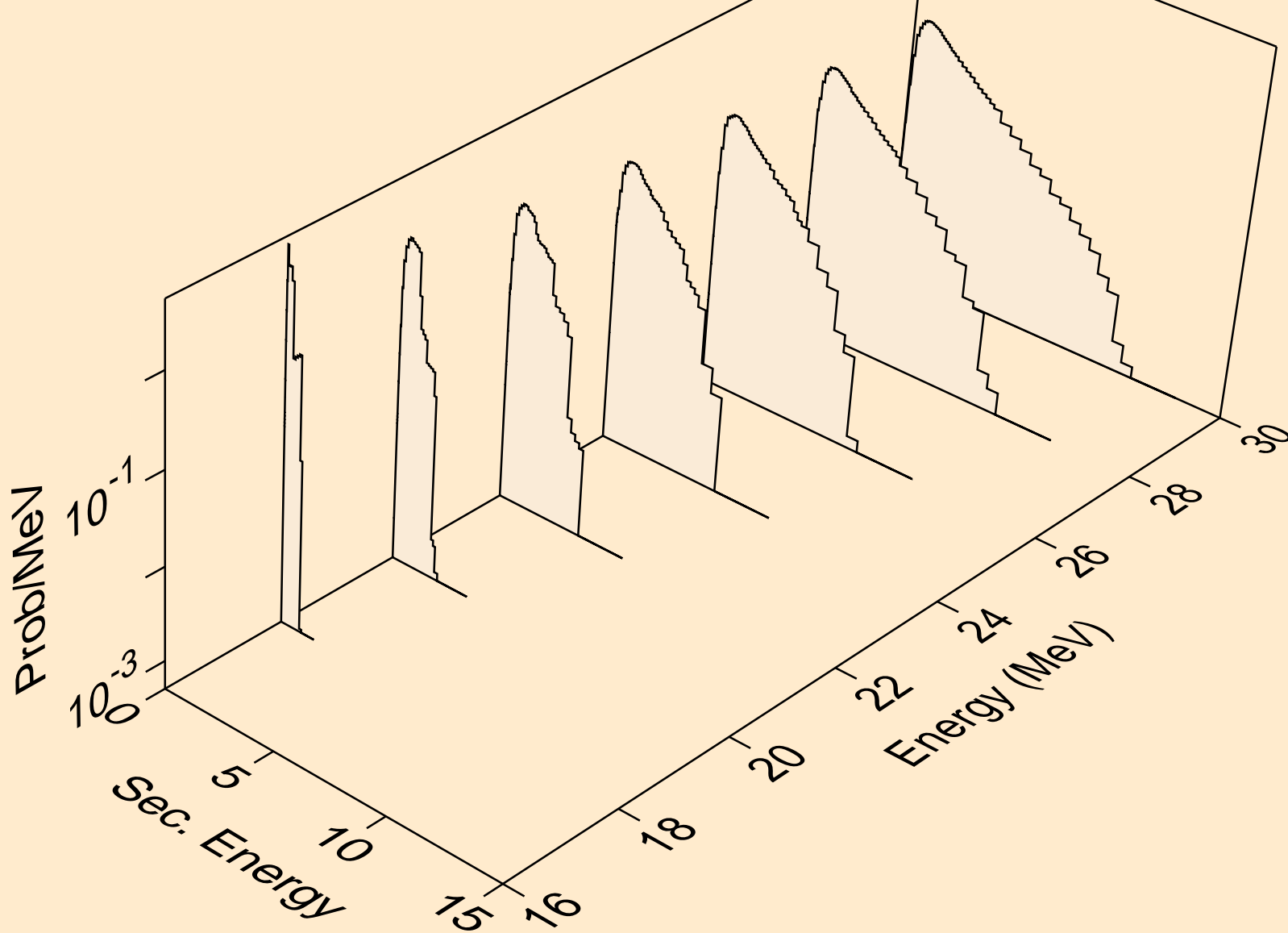
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

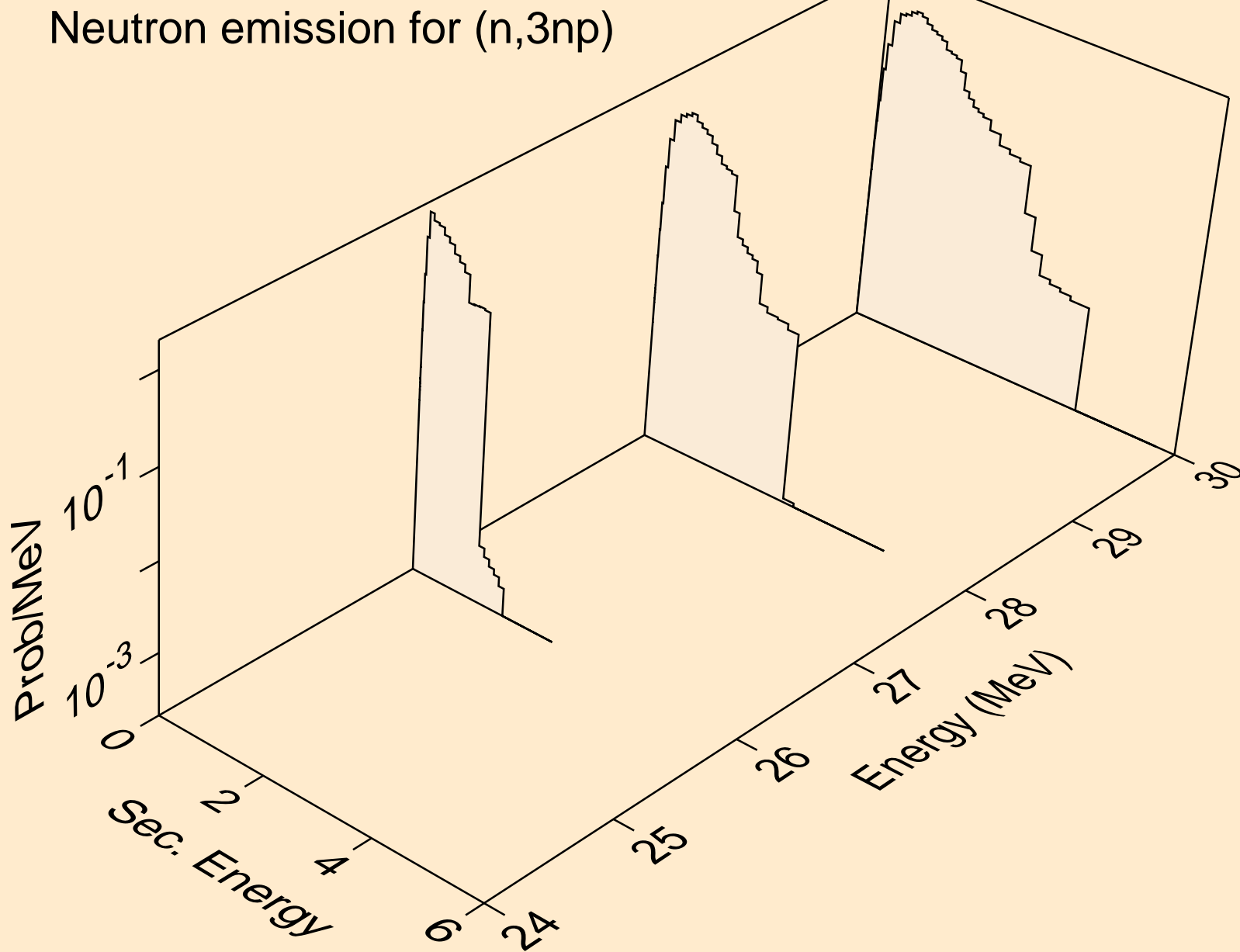


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

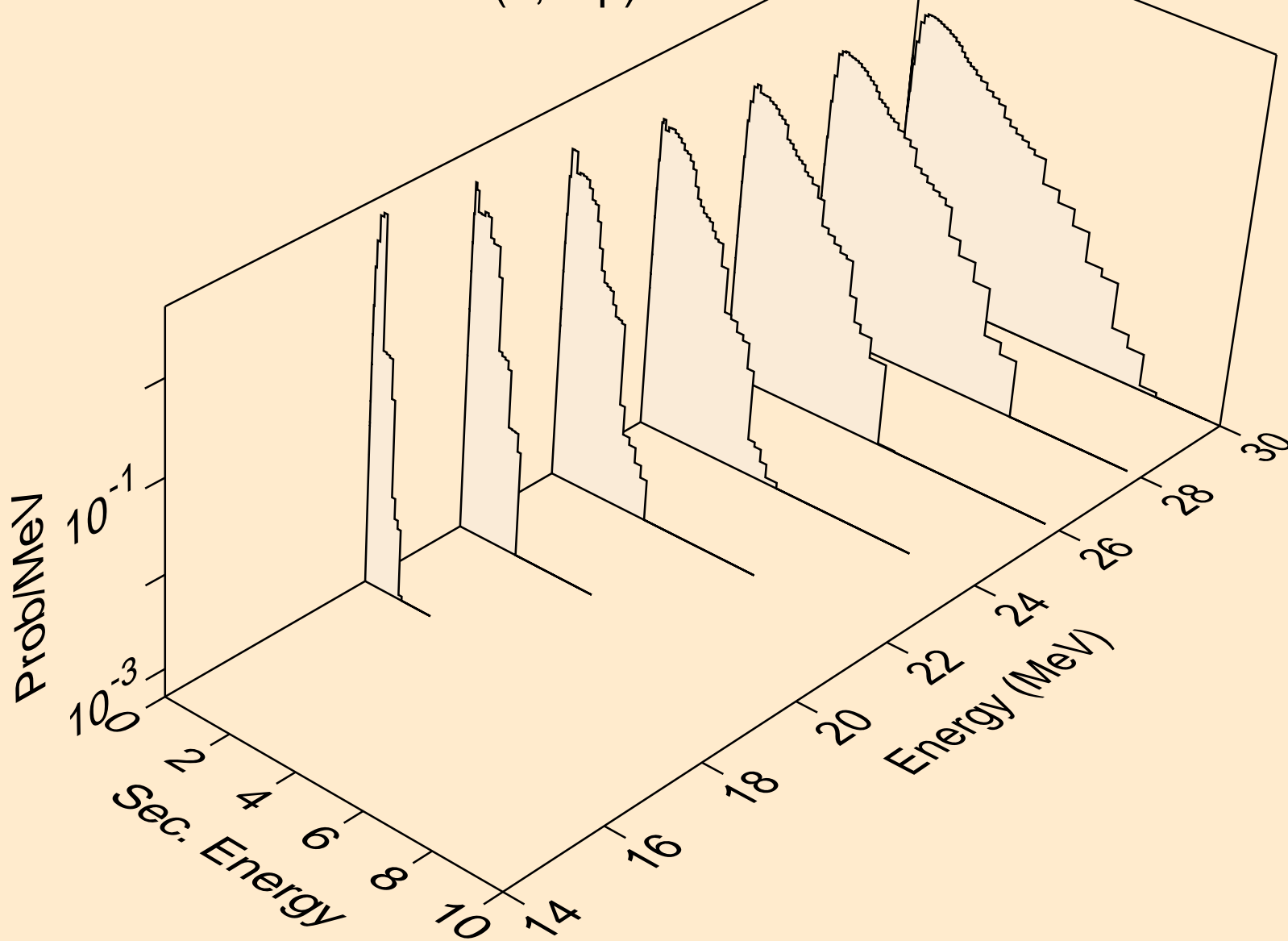




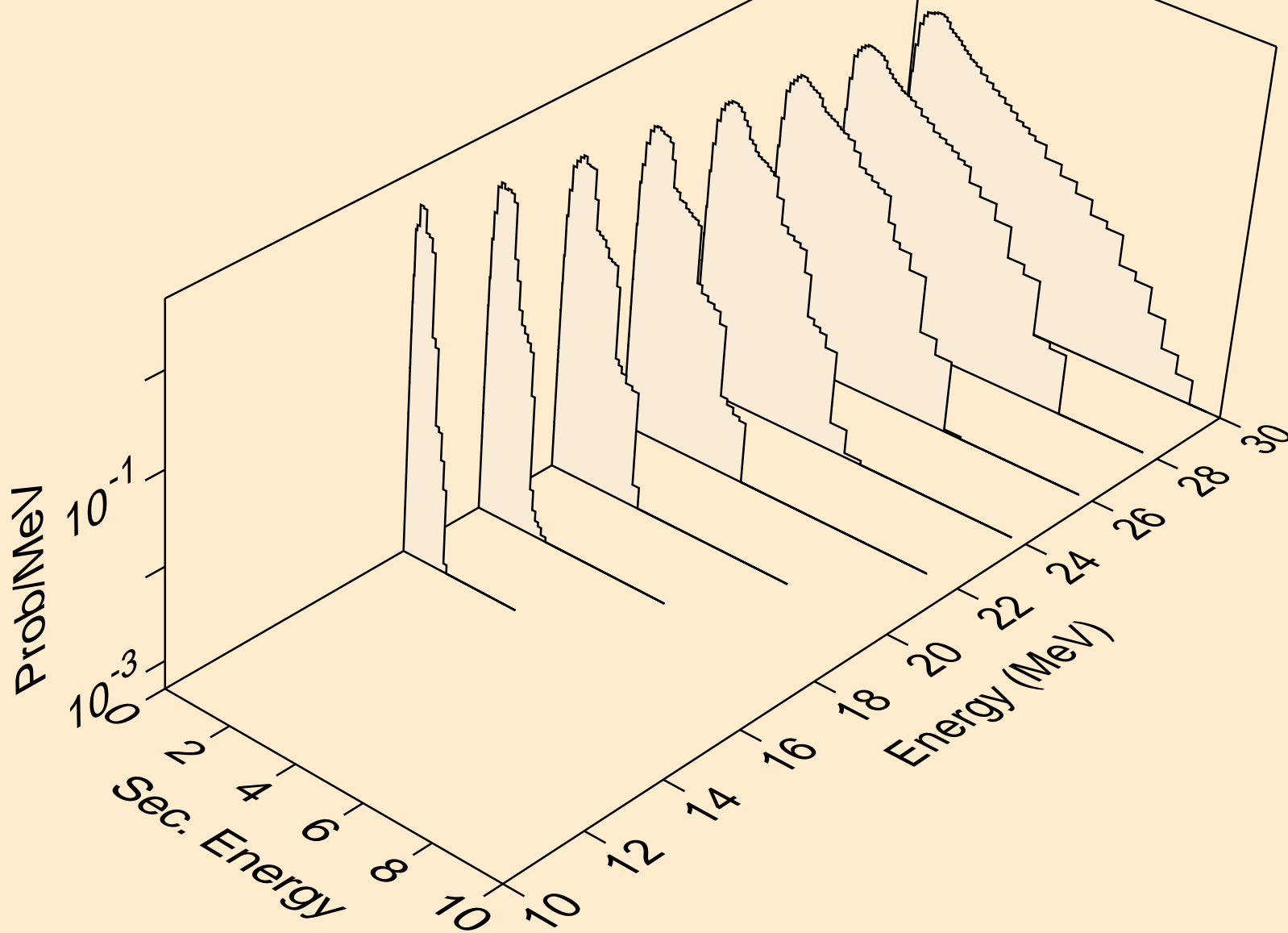
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Neutron emission for (n,3np)



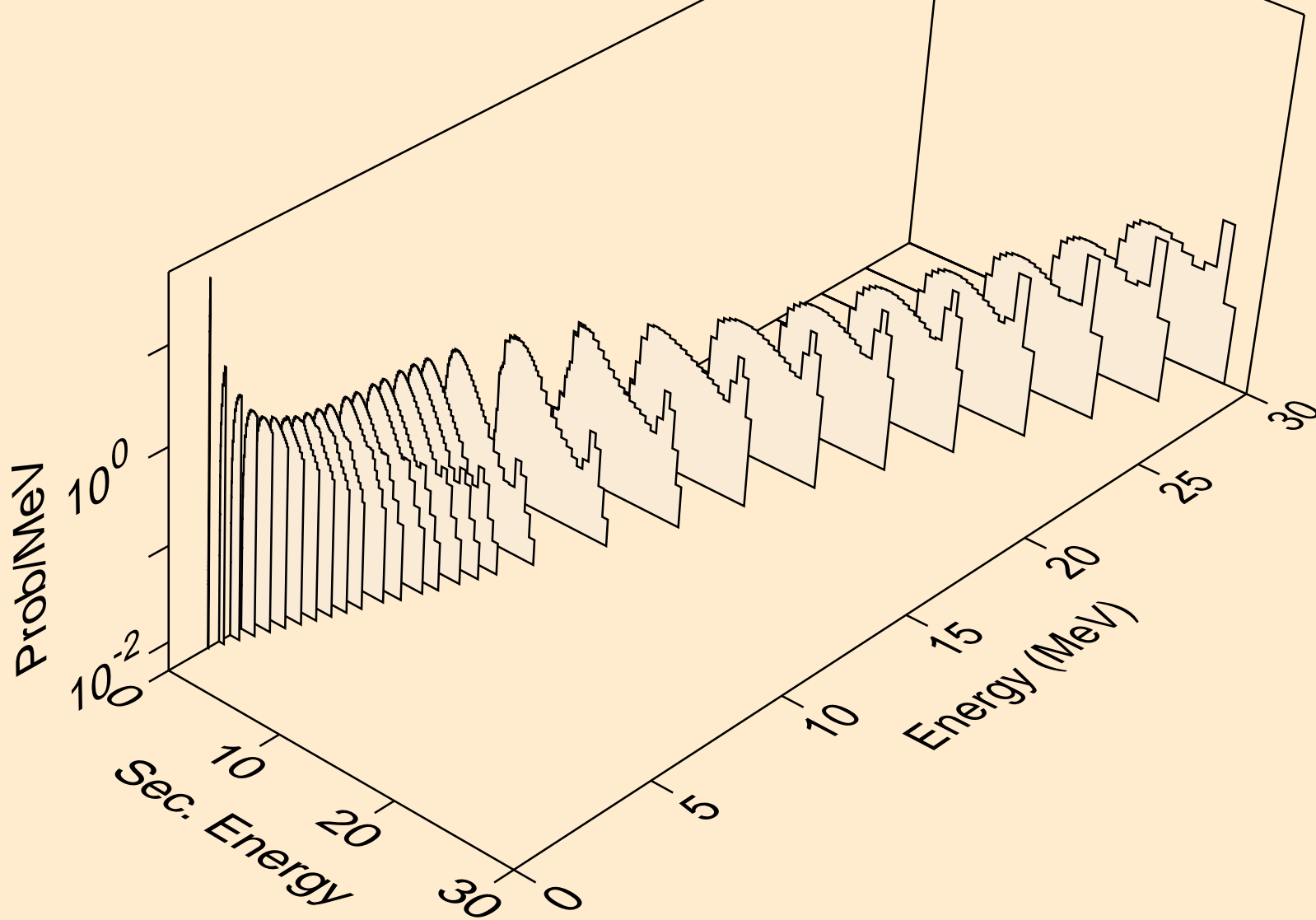
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Neutron emission for (n,2np)



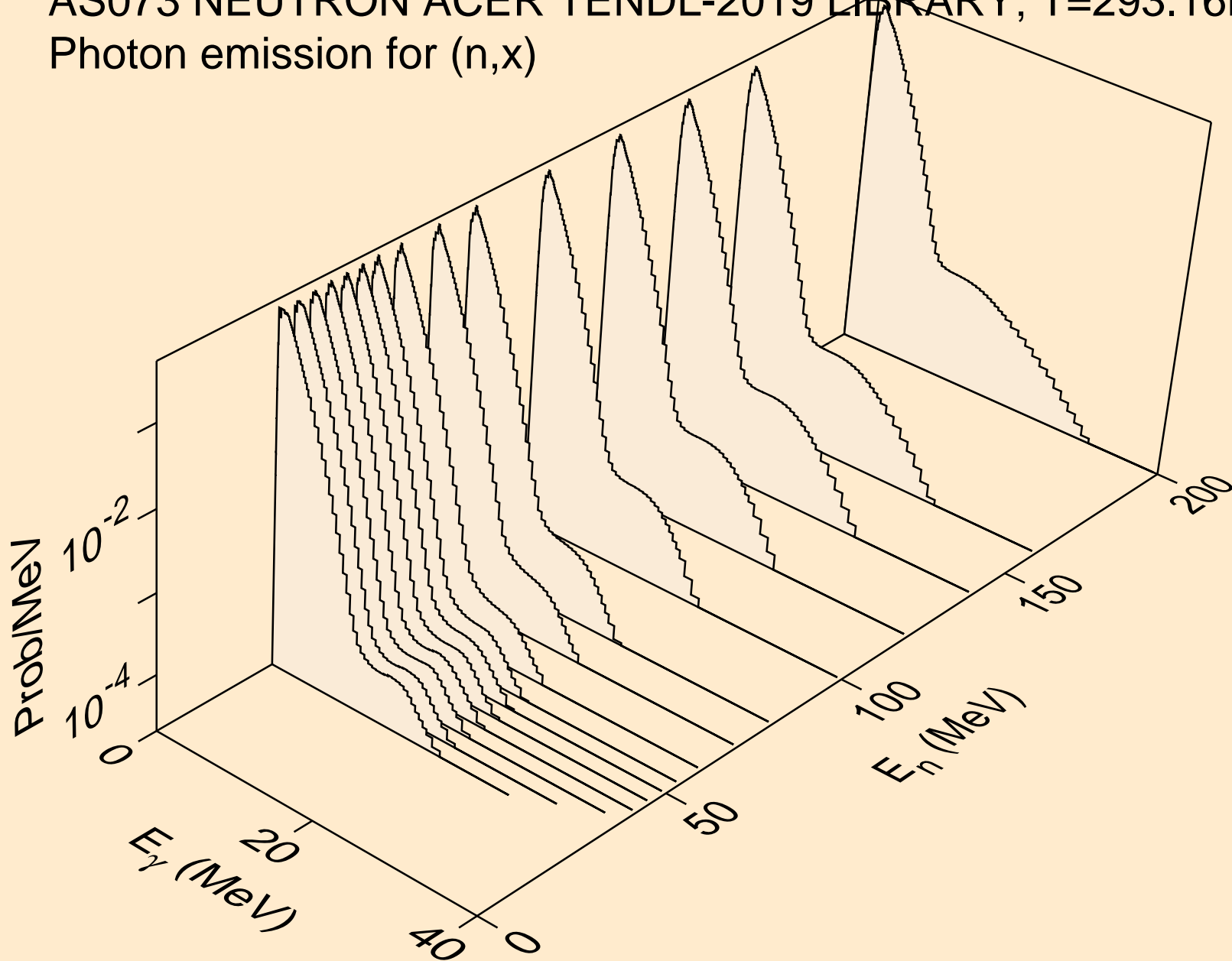
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Neutron emission for (n,npa)



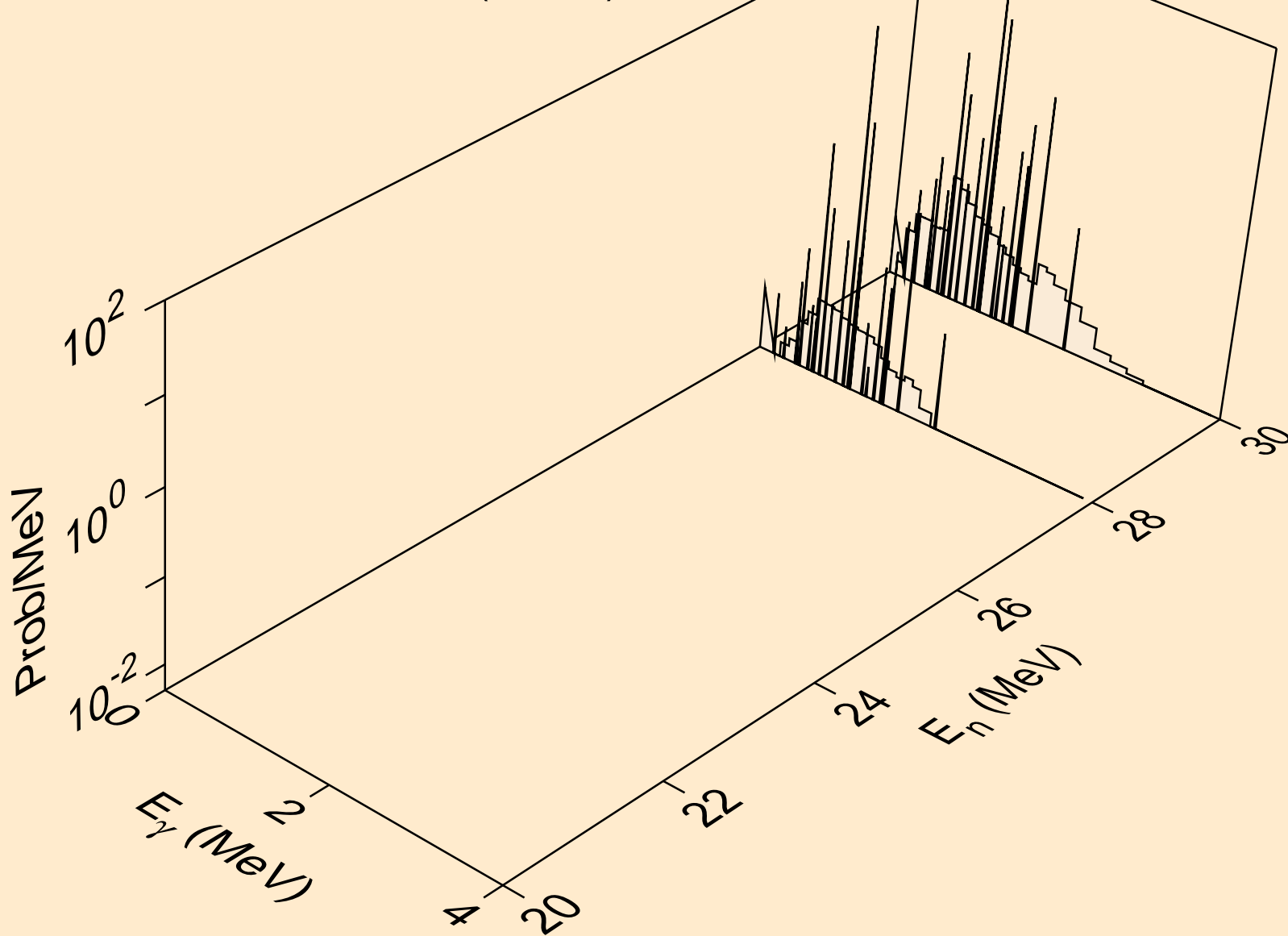
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Neutron emission for (n,n\*c)



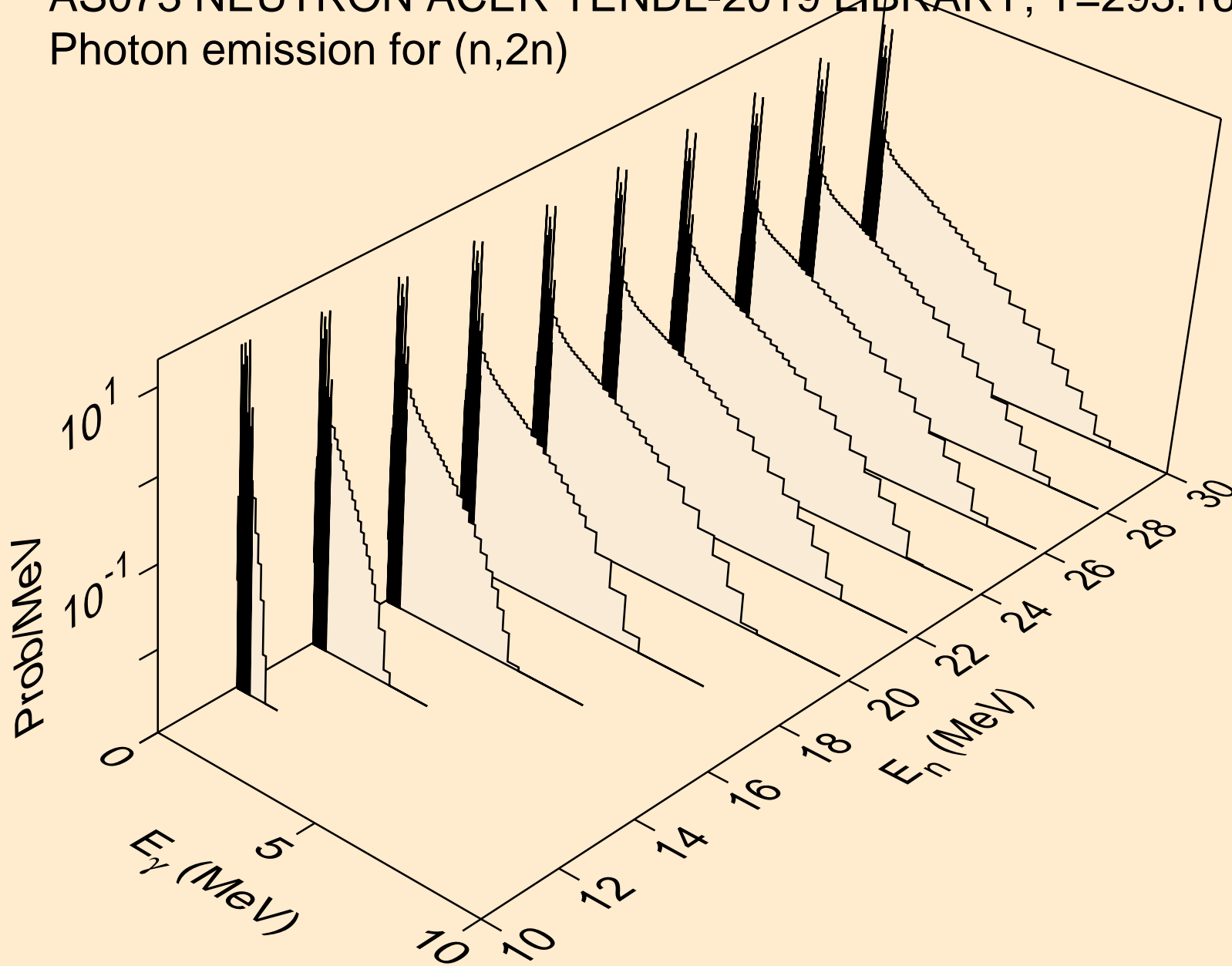
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



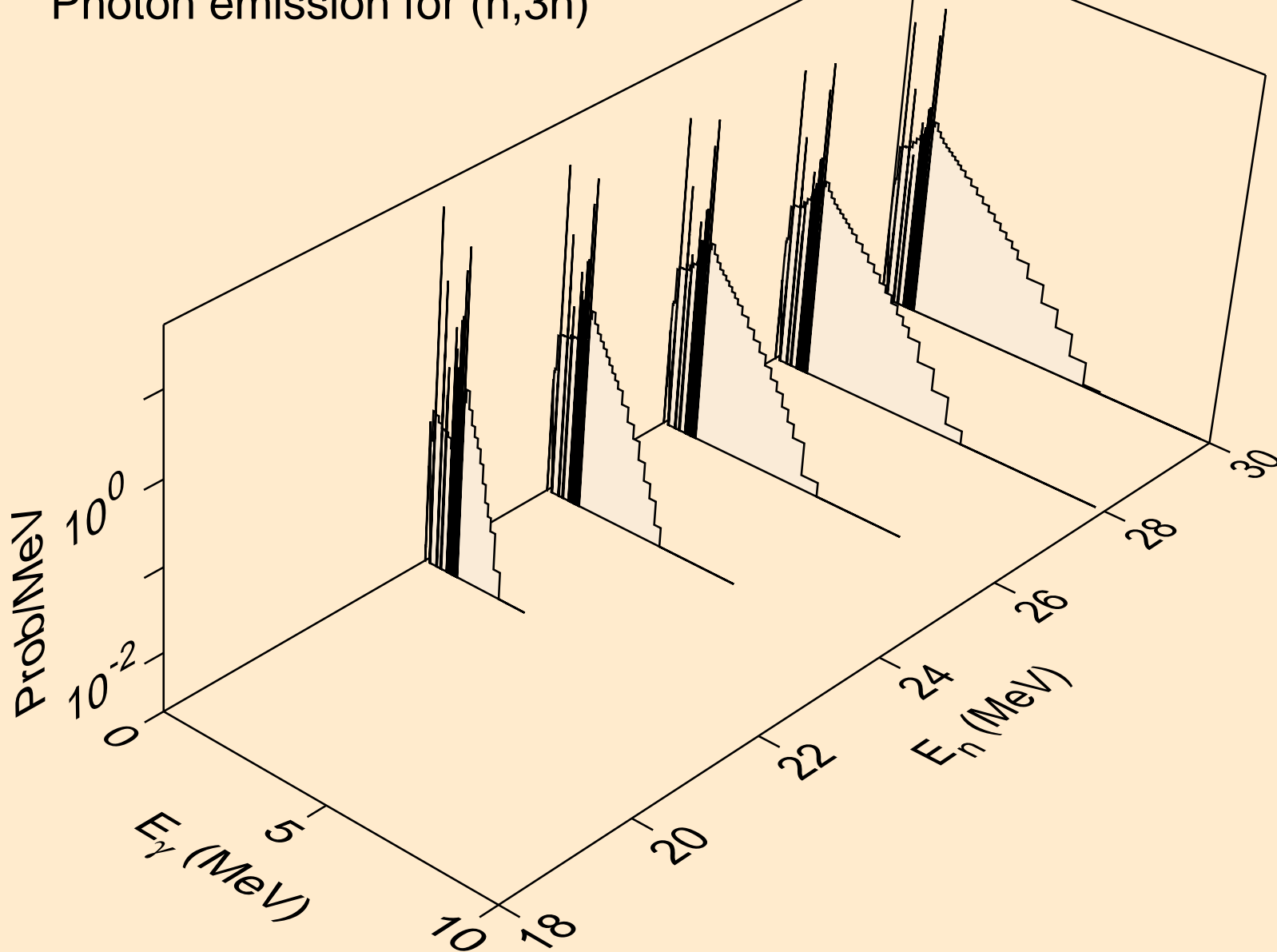
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Photon emission for (n,2nd)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

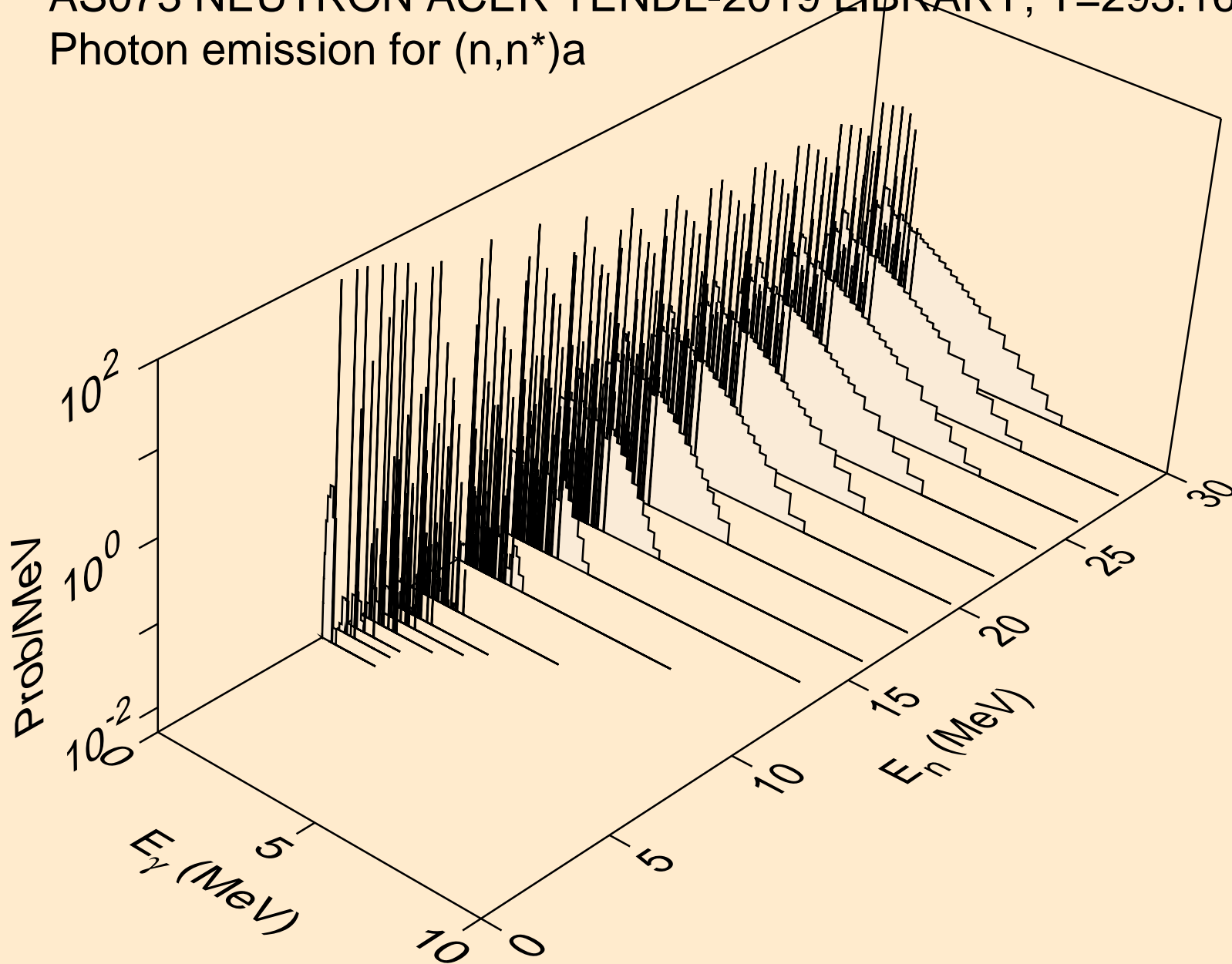


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Photon emission for (n,3n)

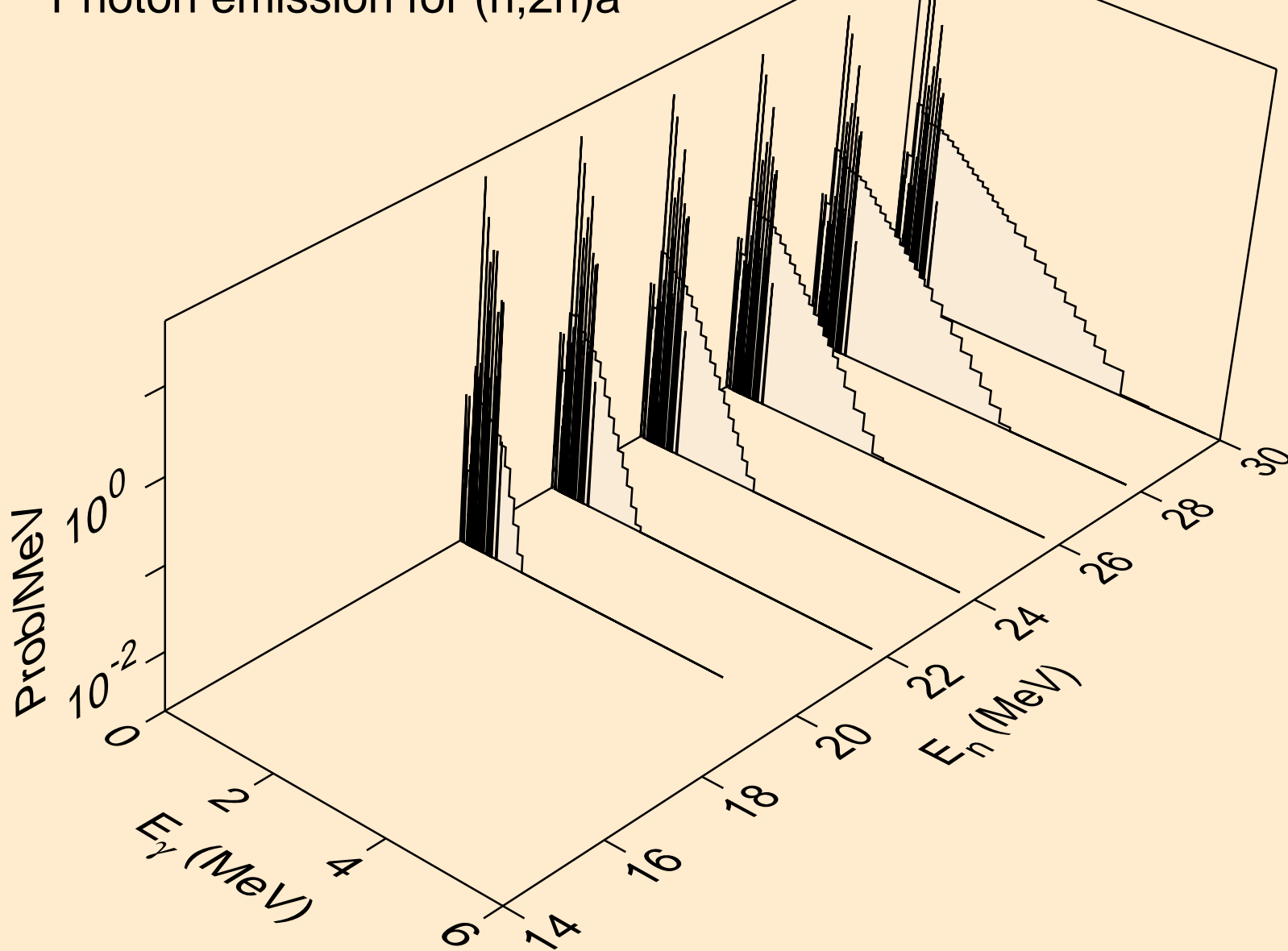




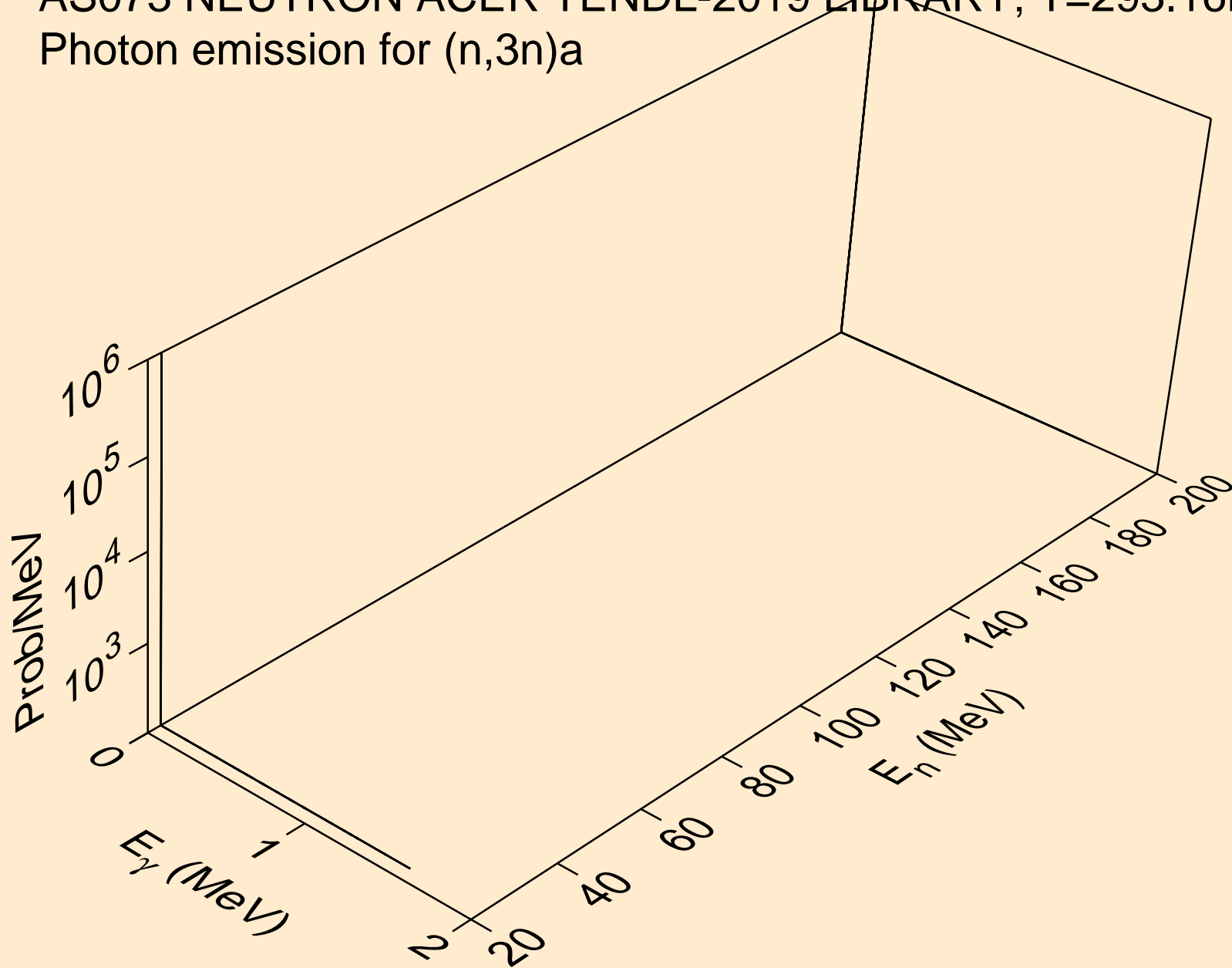
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Photon emission for (n,n\*)a



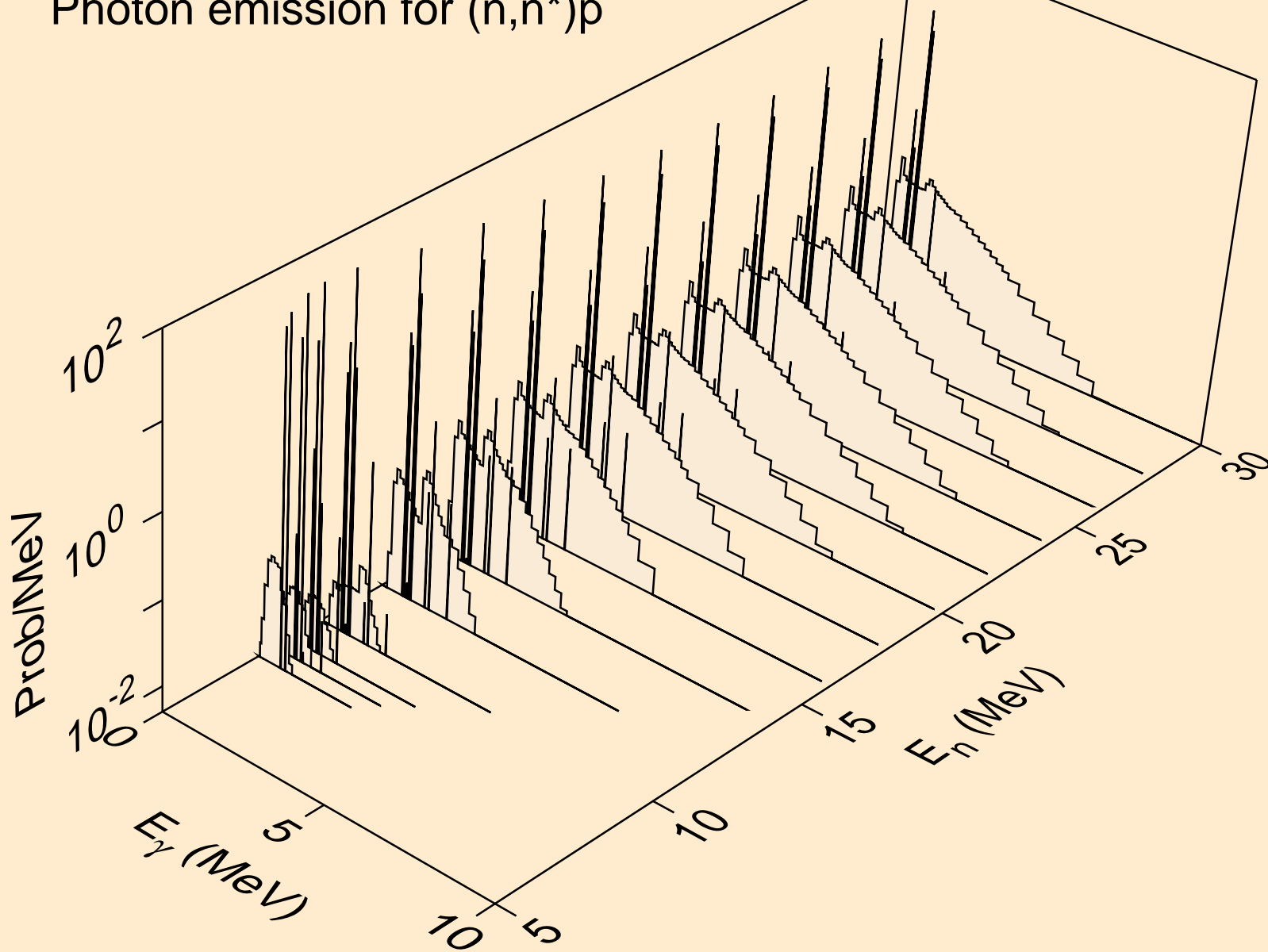
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Photon emission for (n,2n)a



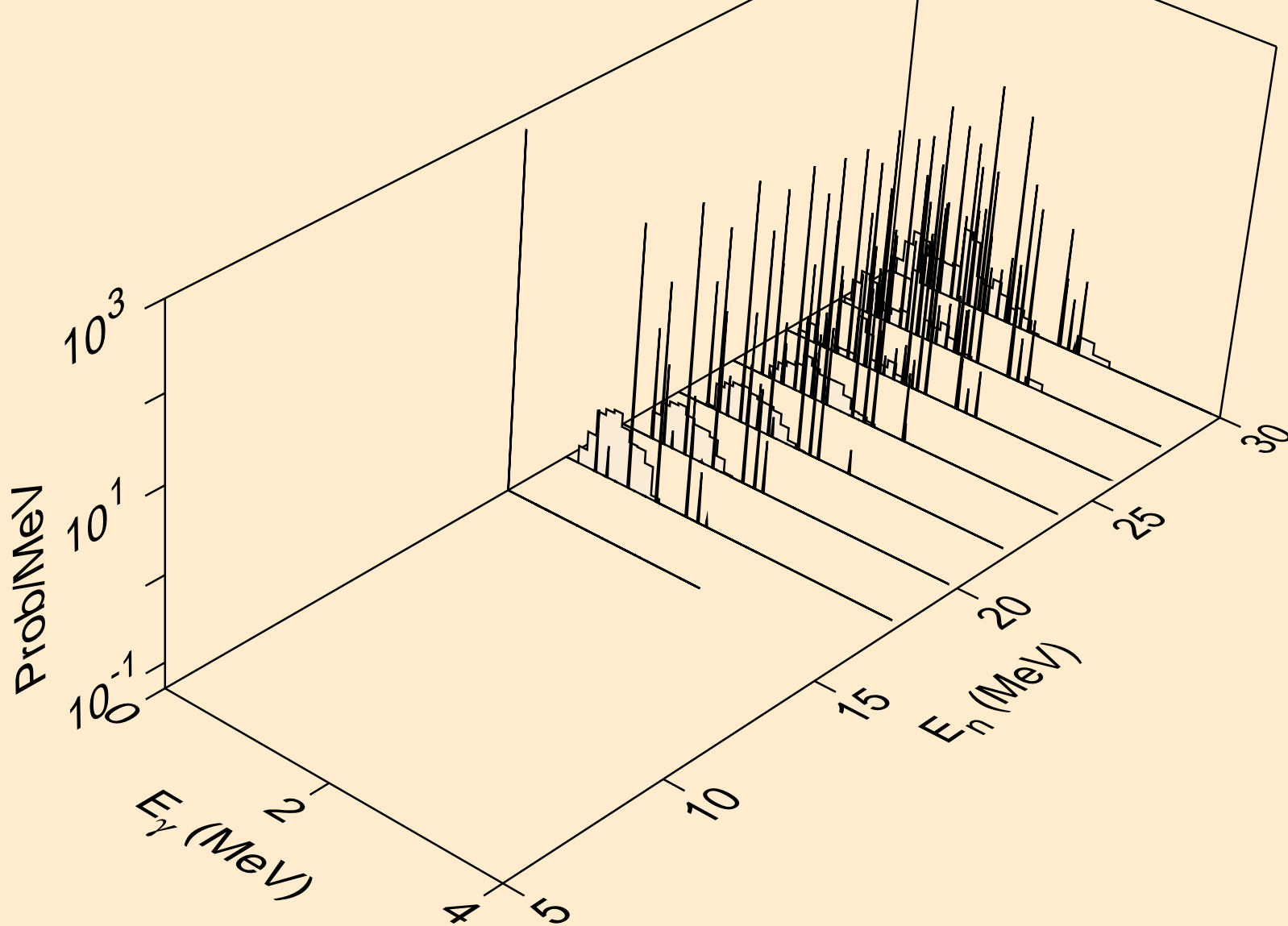
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Photon emission for (n,3n)a



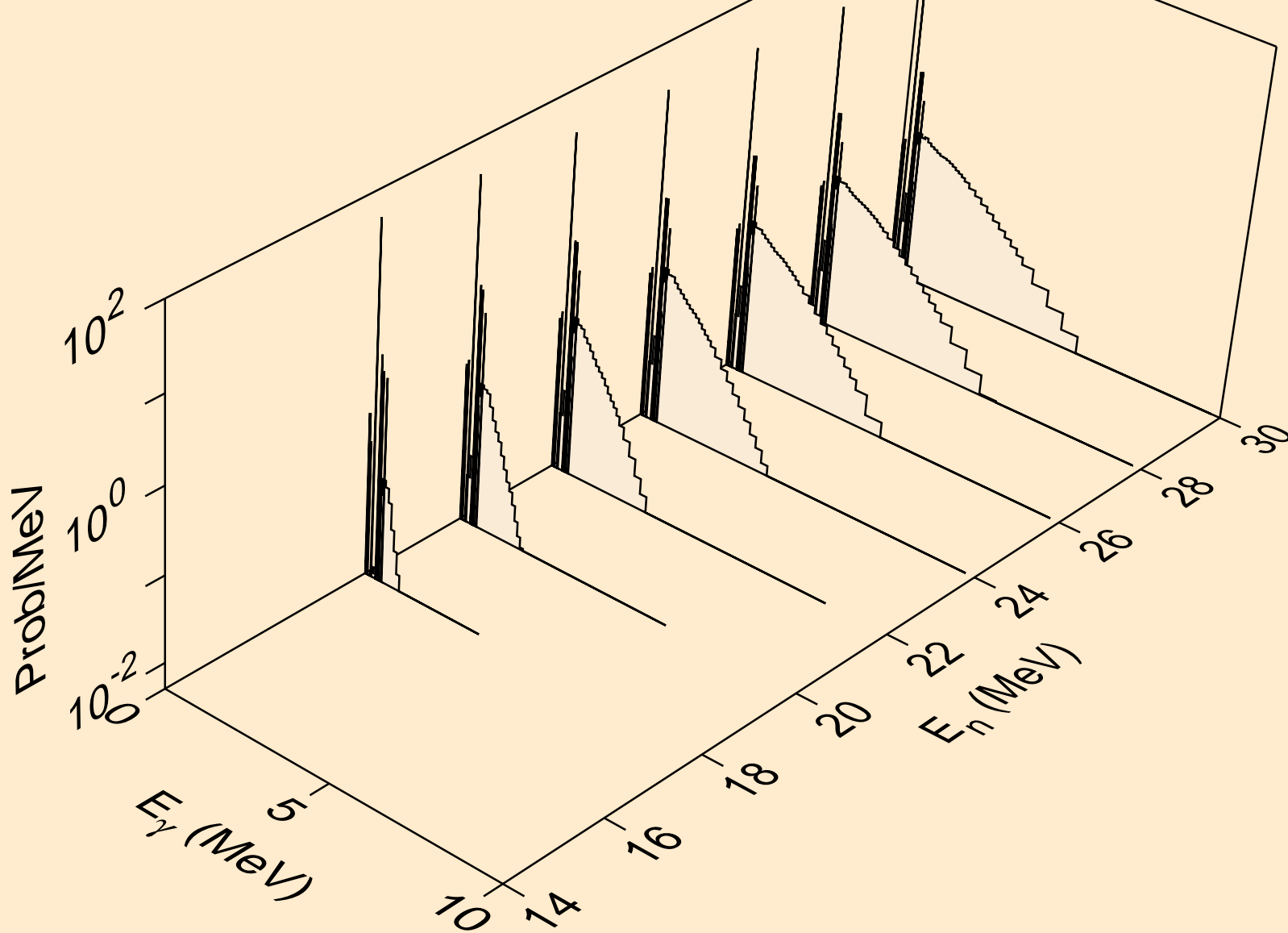
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Photon emission for (n,n\*)p



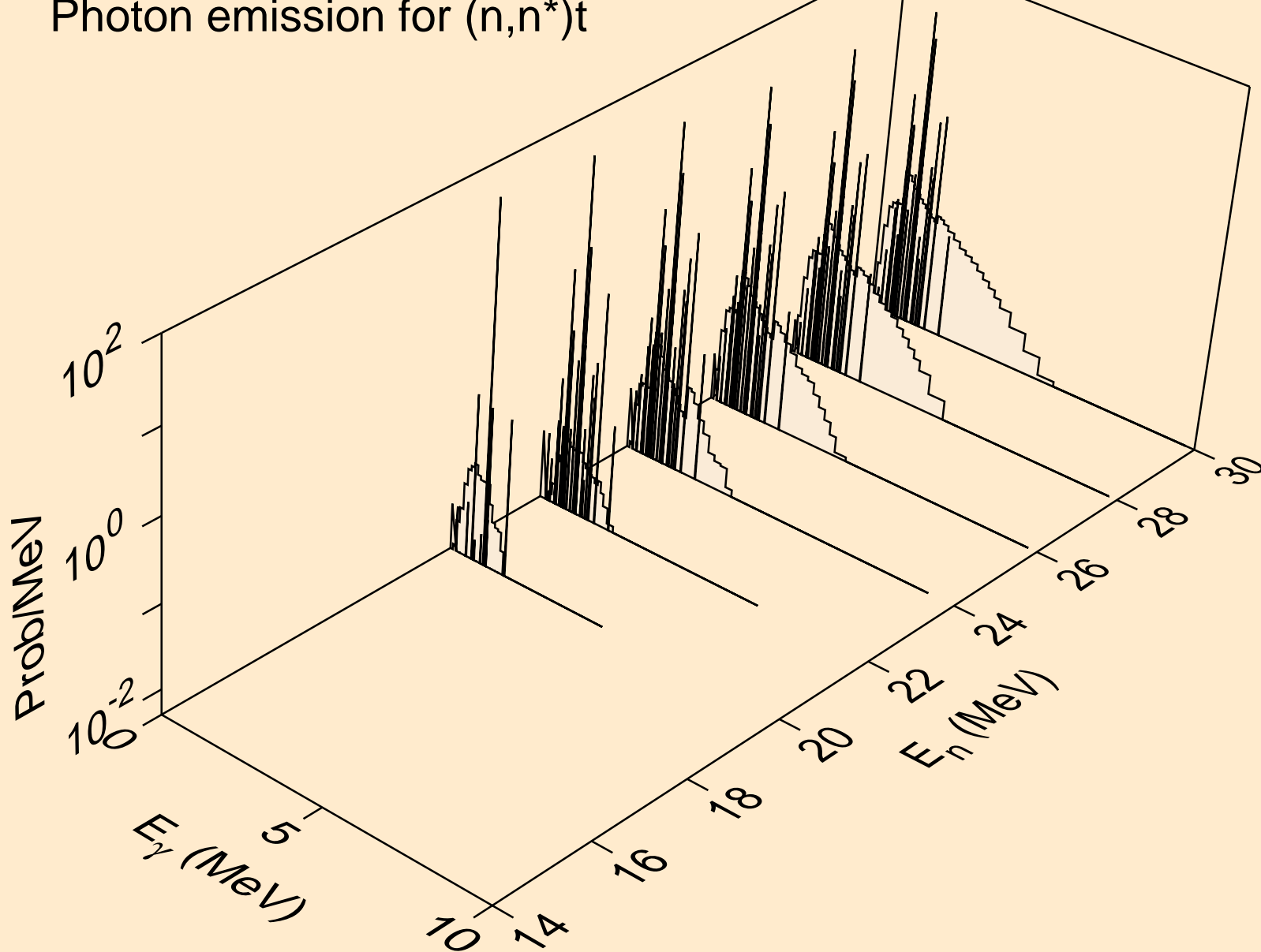
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Photon emission for (n,n\*)2a



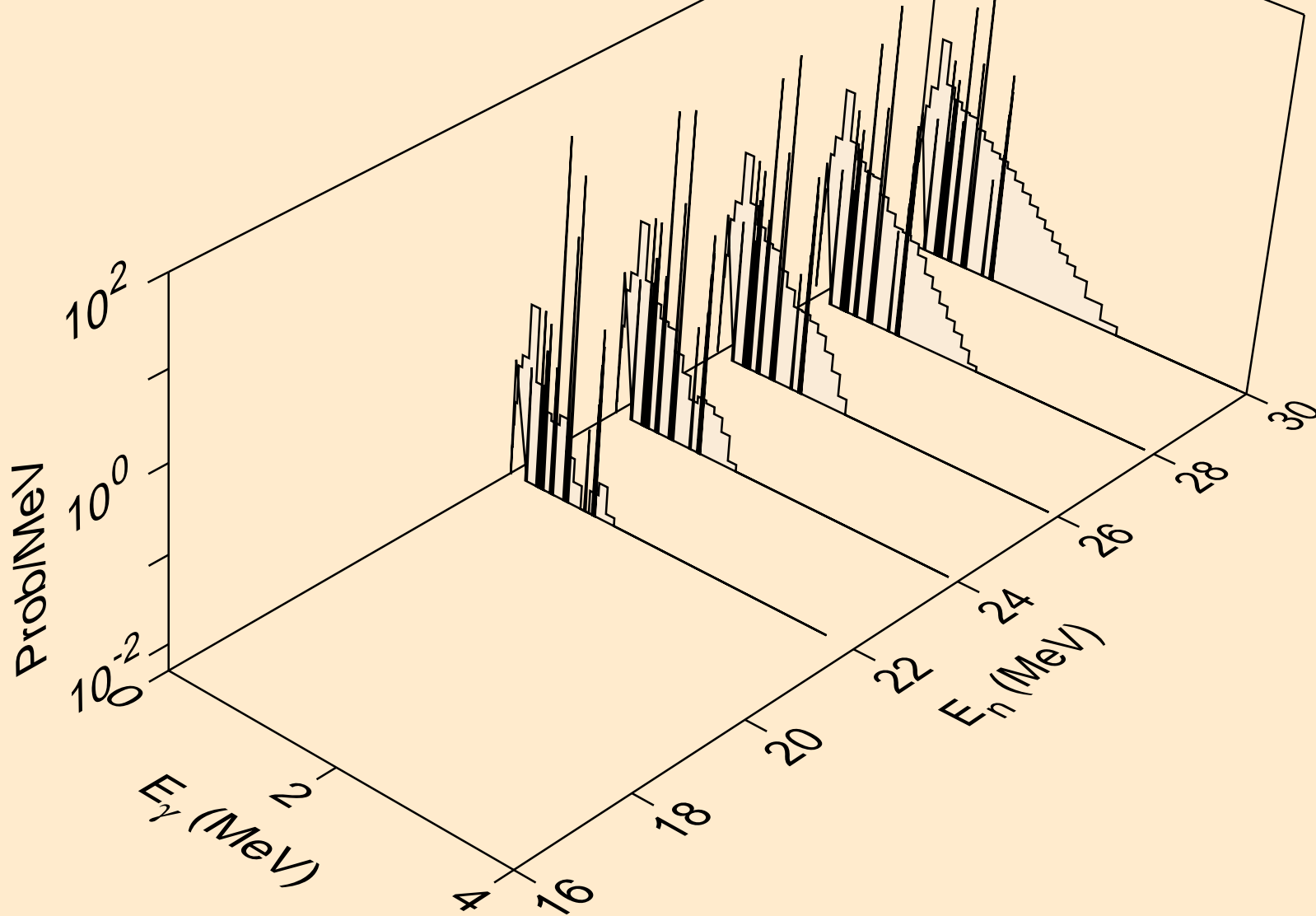
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Photon emission for (n,n\*)d



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

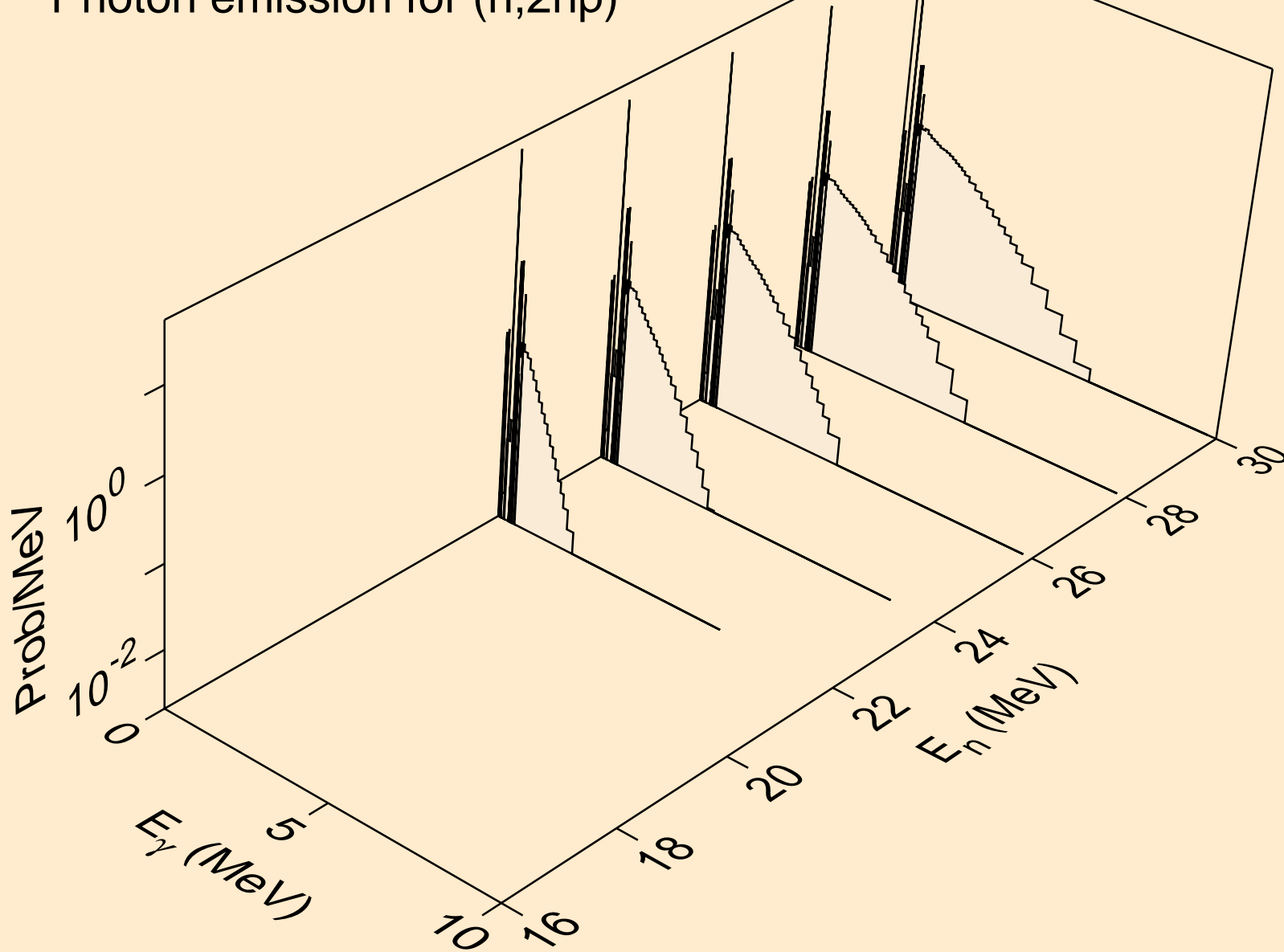


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

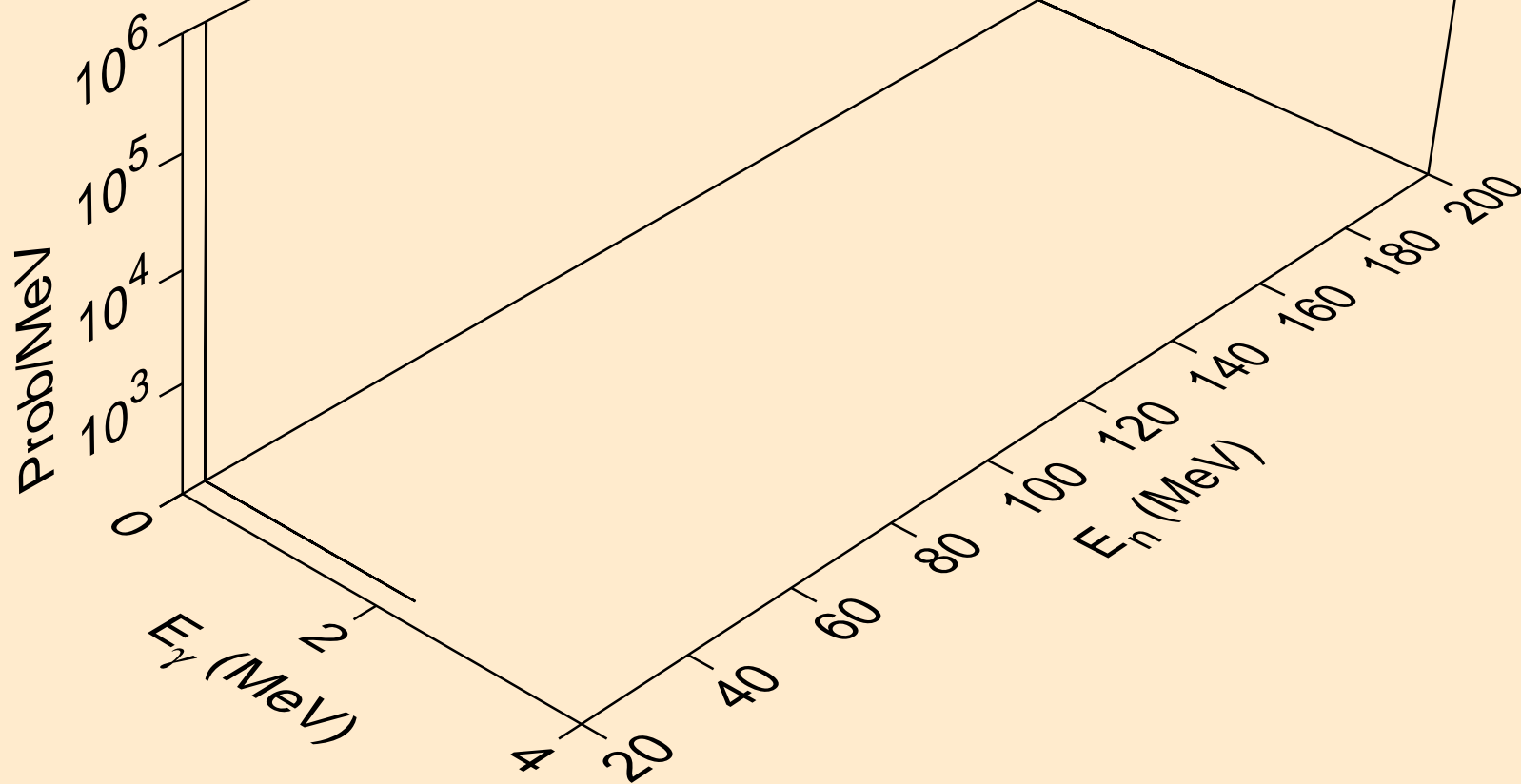




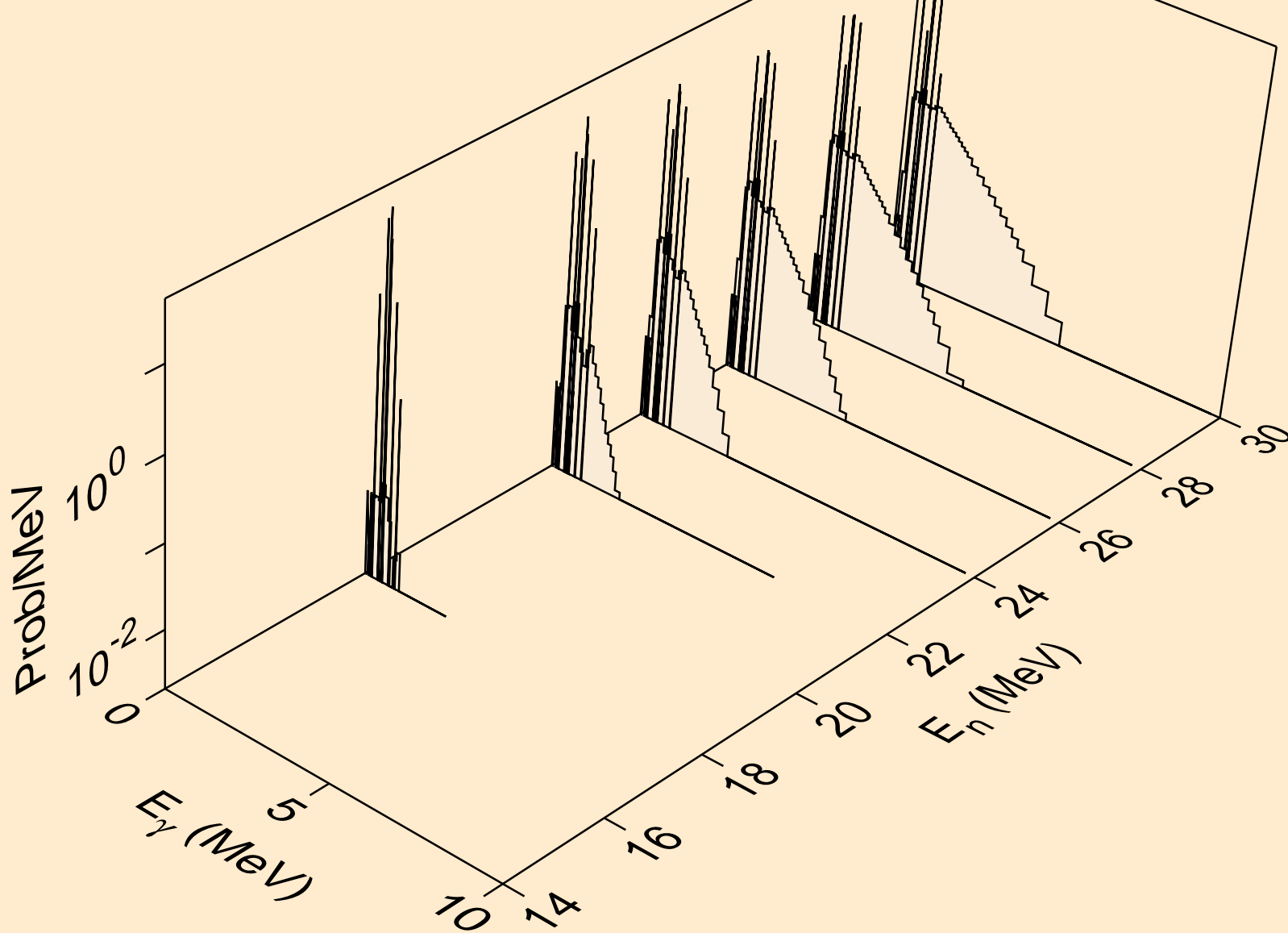
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Photon emission for (n,2np)



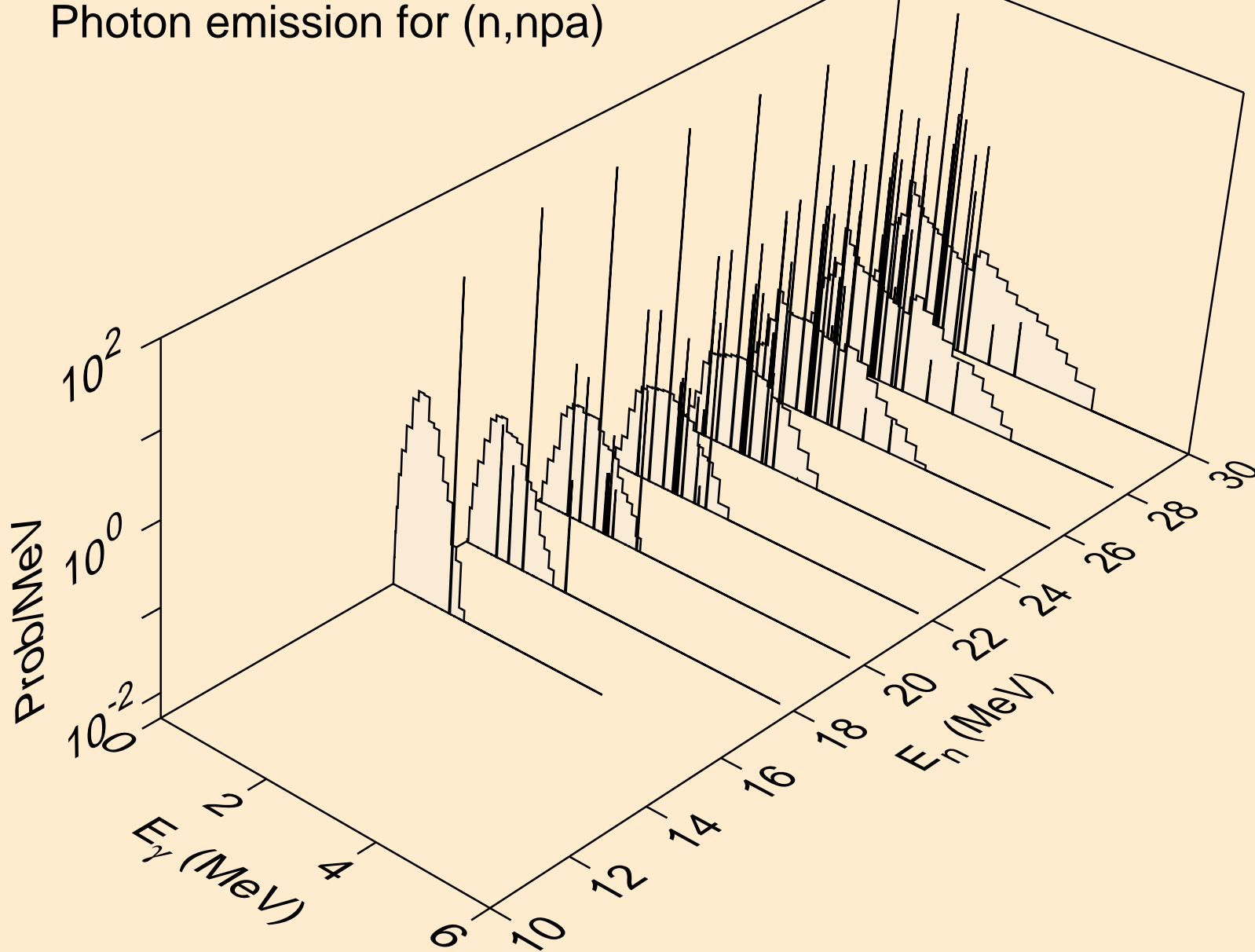
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Photon emission for (n,3np)



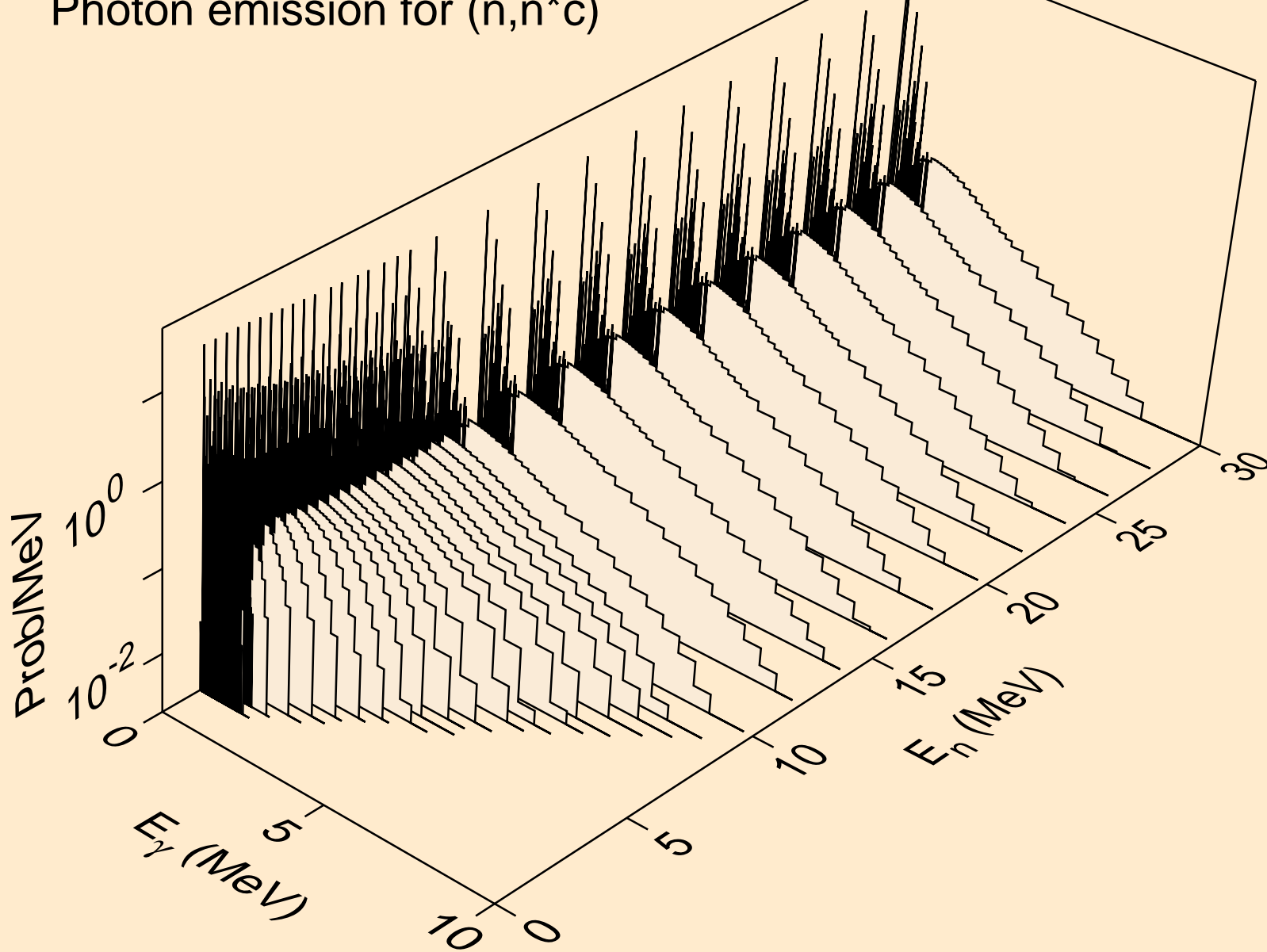
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Photon emission for (n,2np)



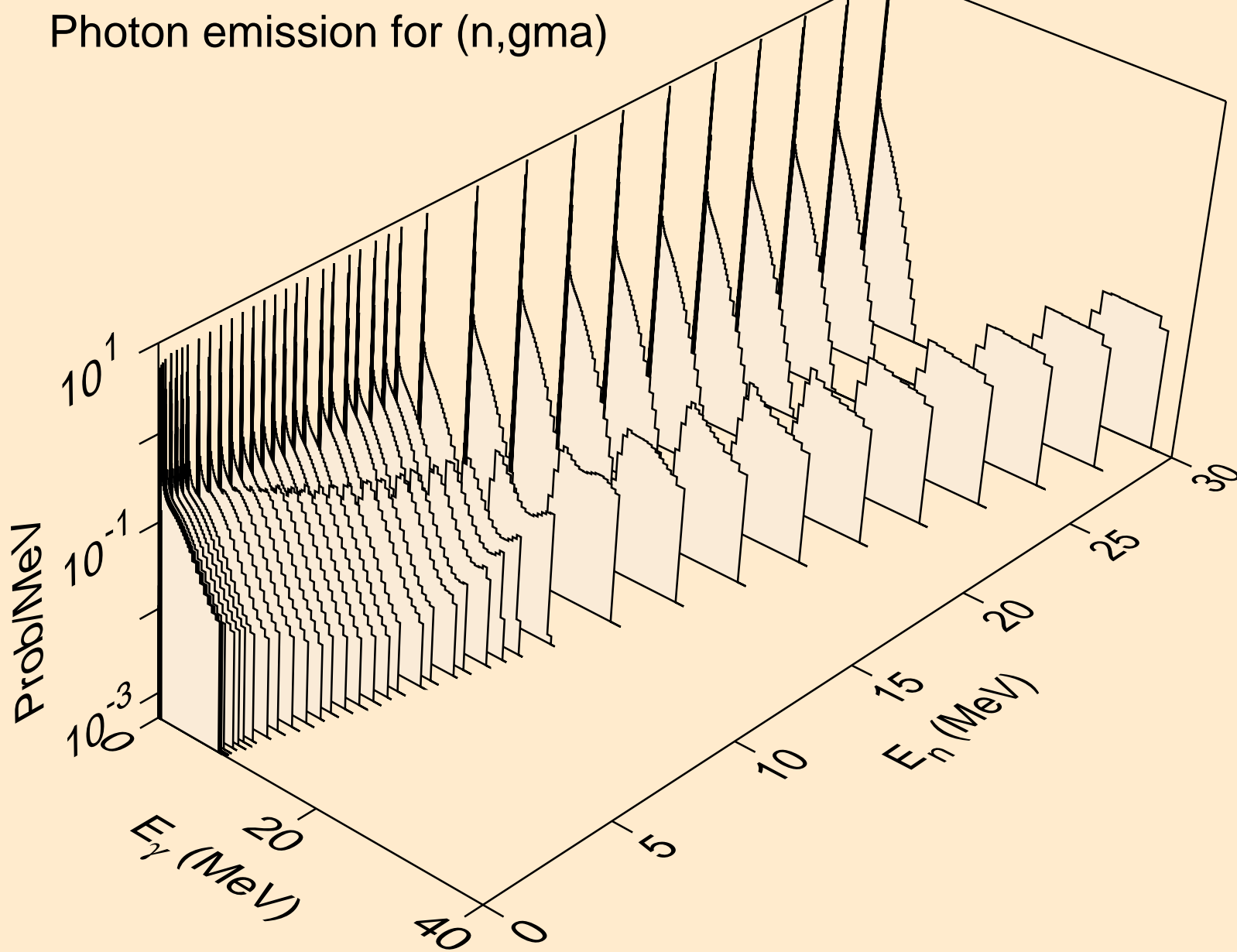
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Photon emission for (n,npa)



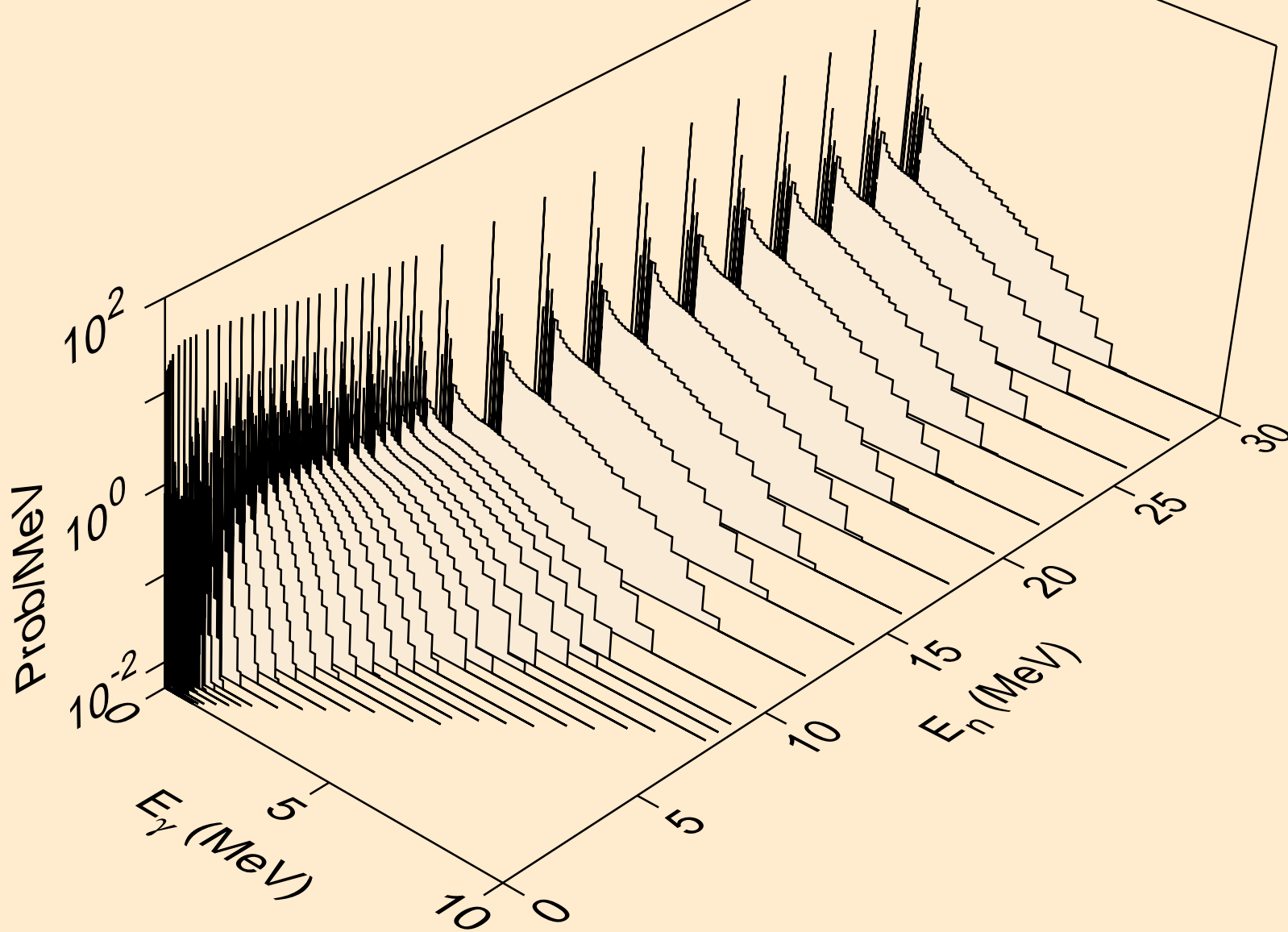
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Photon emission for (n,n\*c)



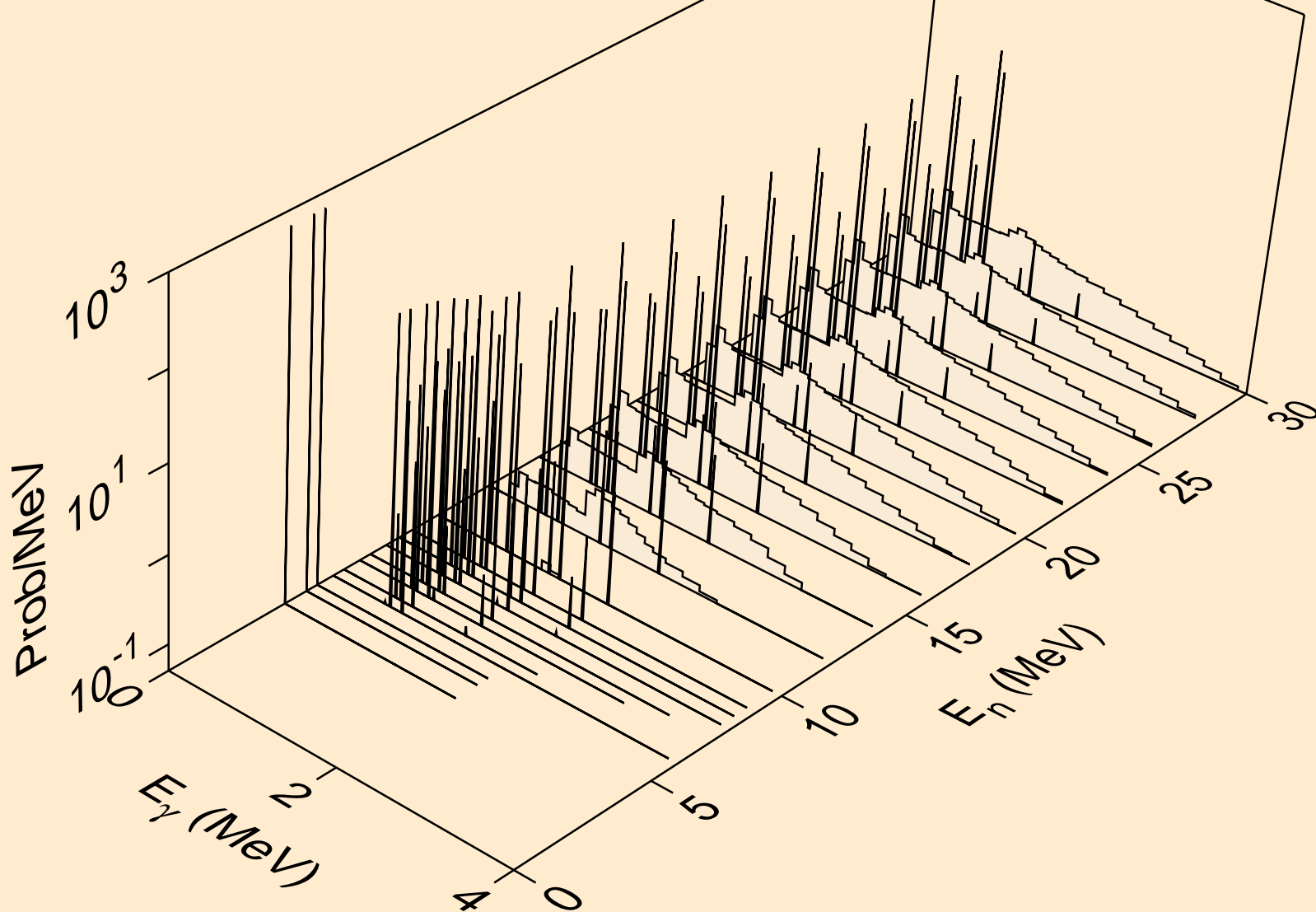
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

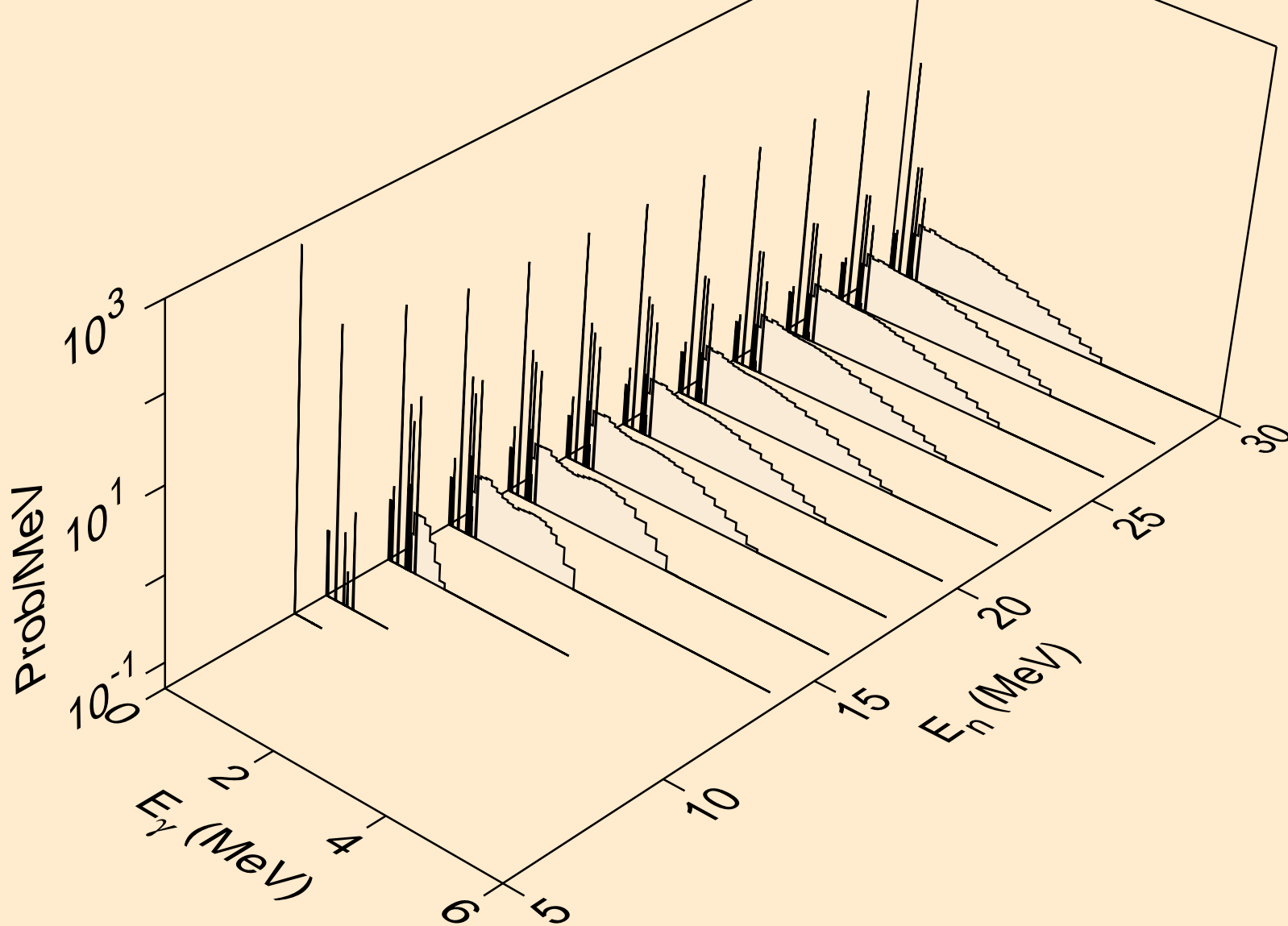


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

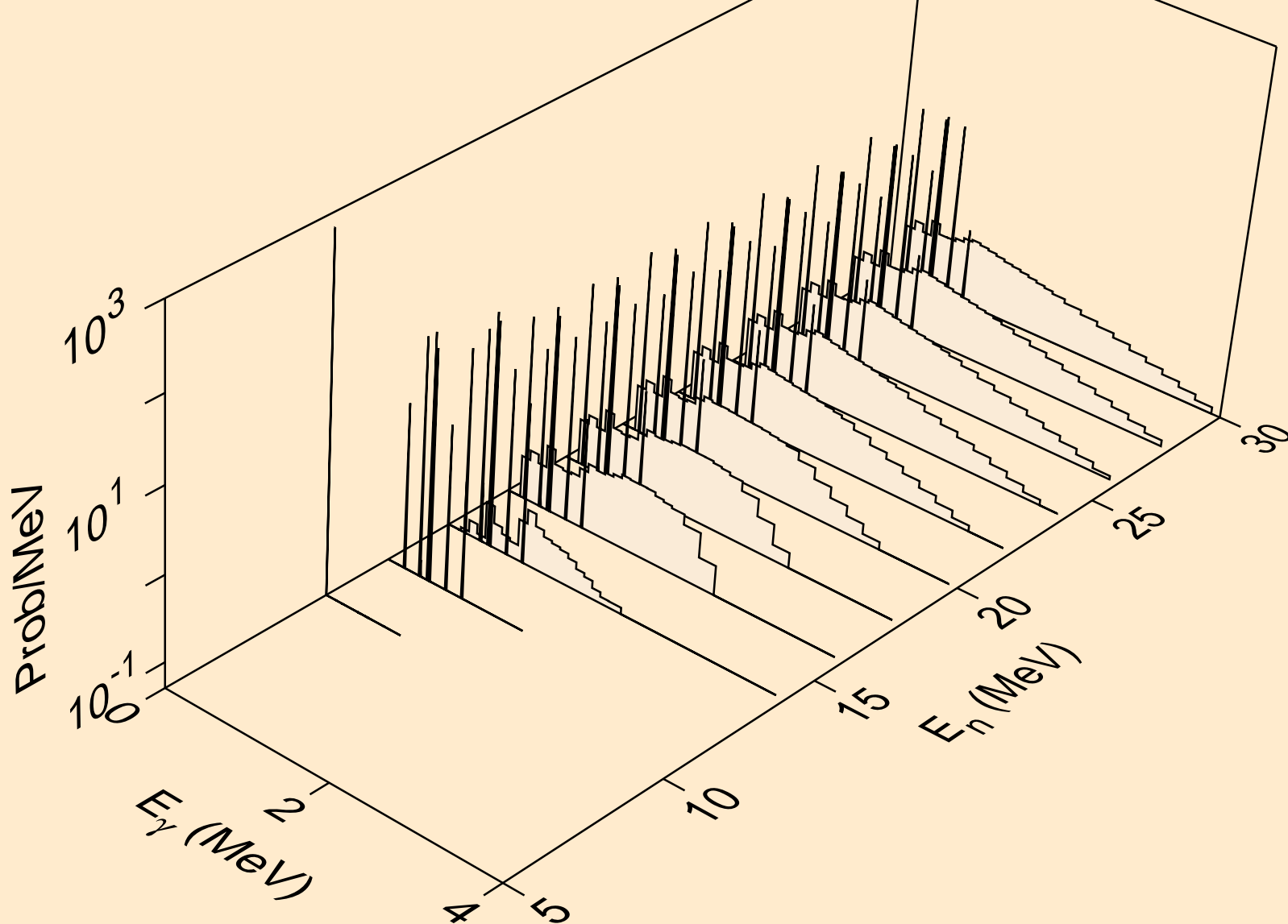




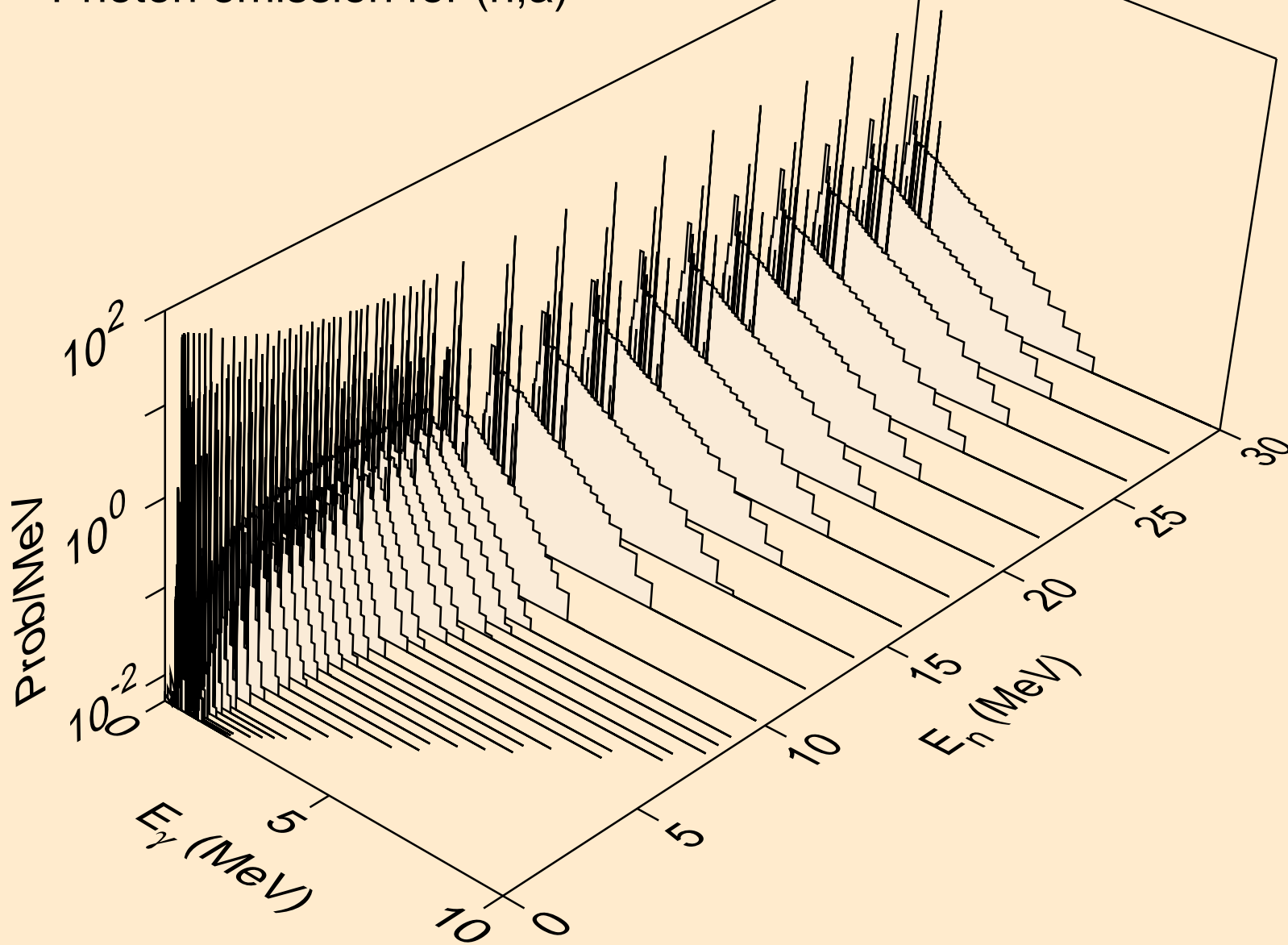
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Photon emission for (n,t)



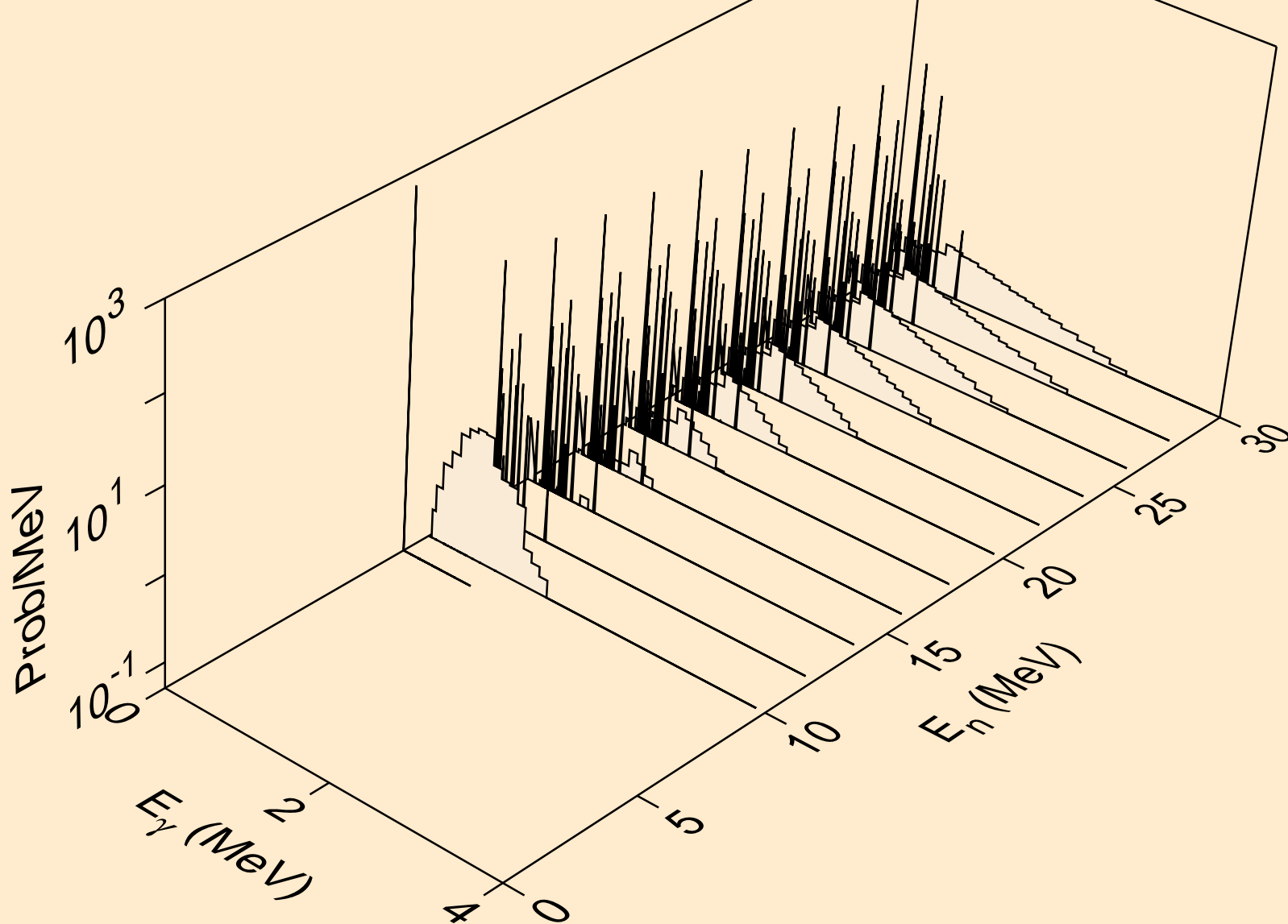
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Photon emission for (n,he3)



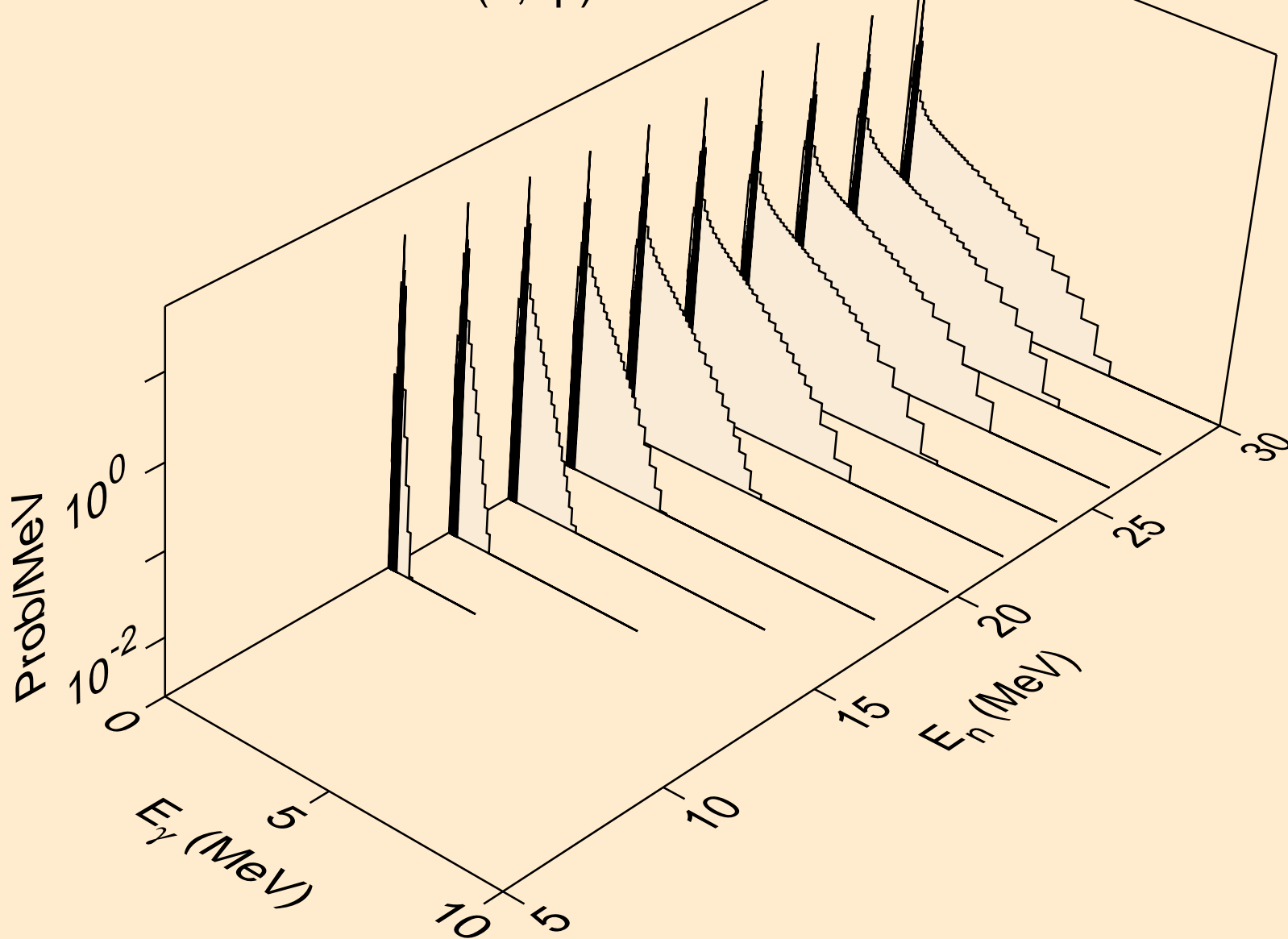
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Photon emission for (n,a)



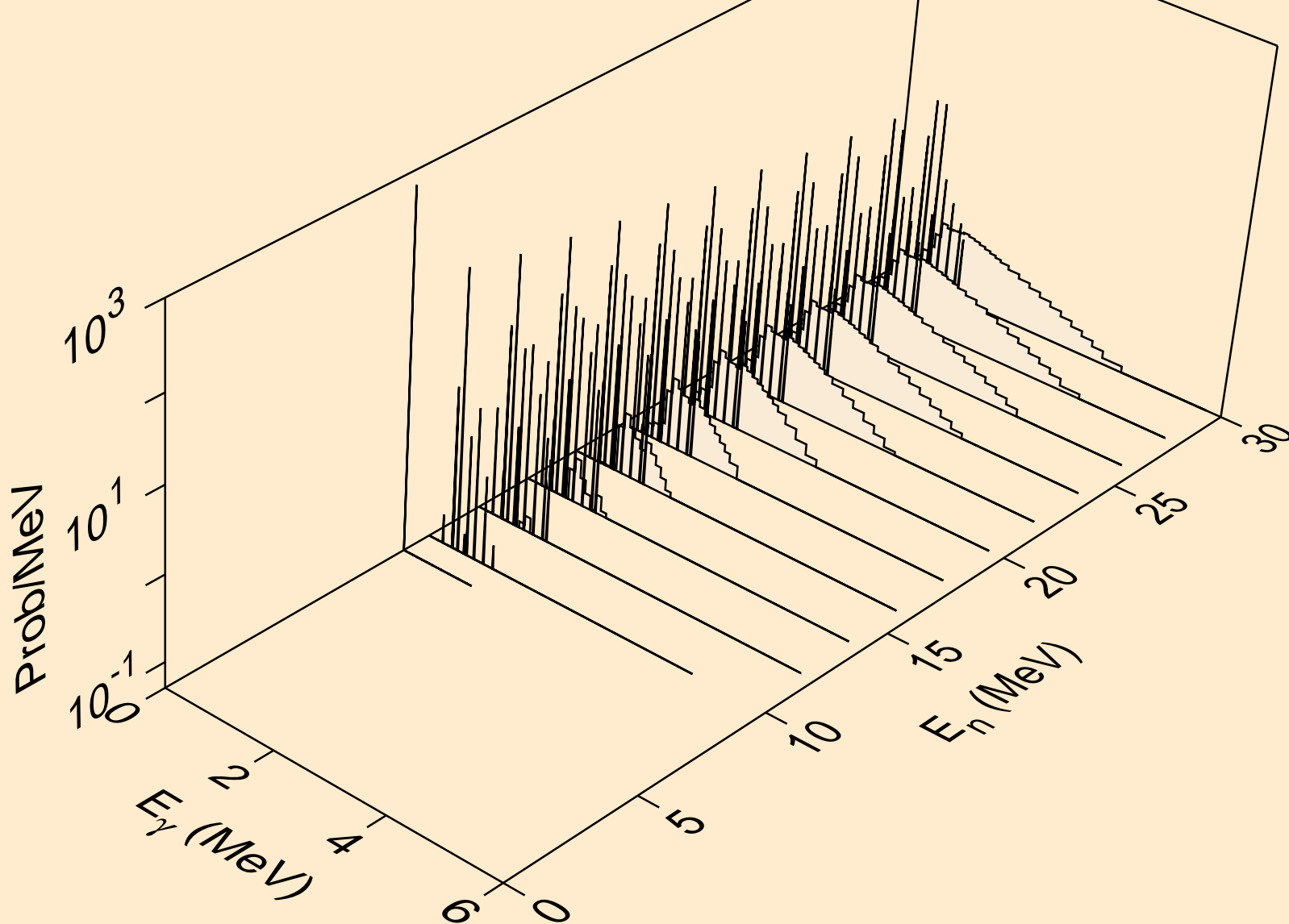
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Photon emission for (n,2a)



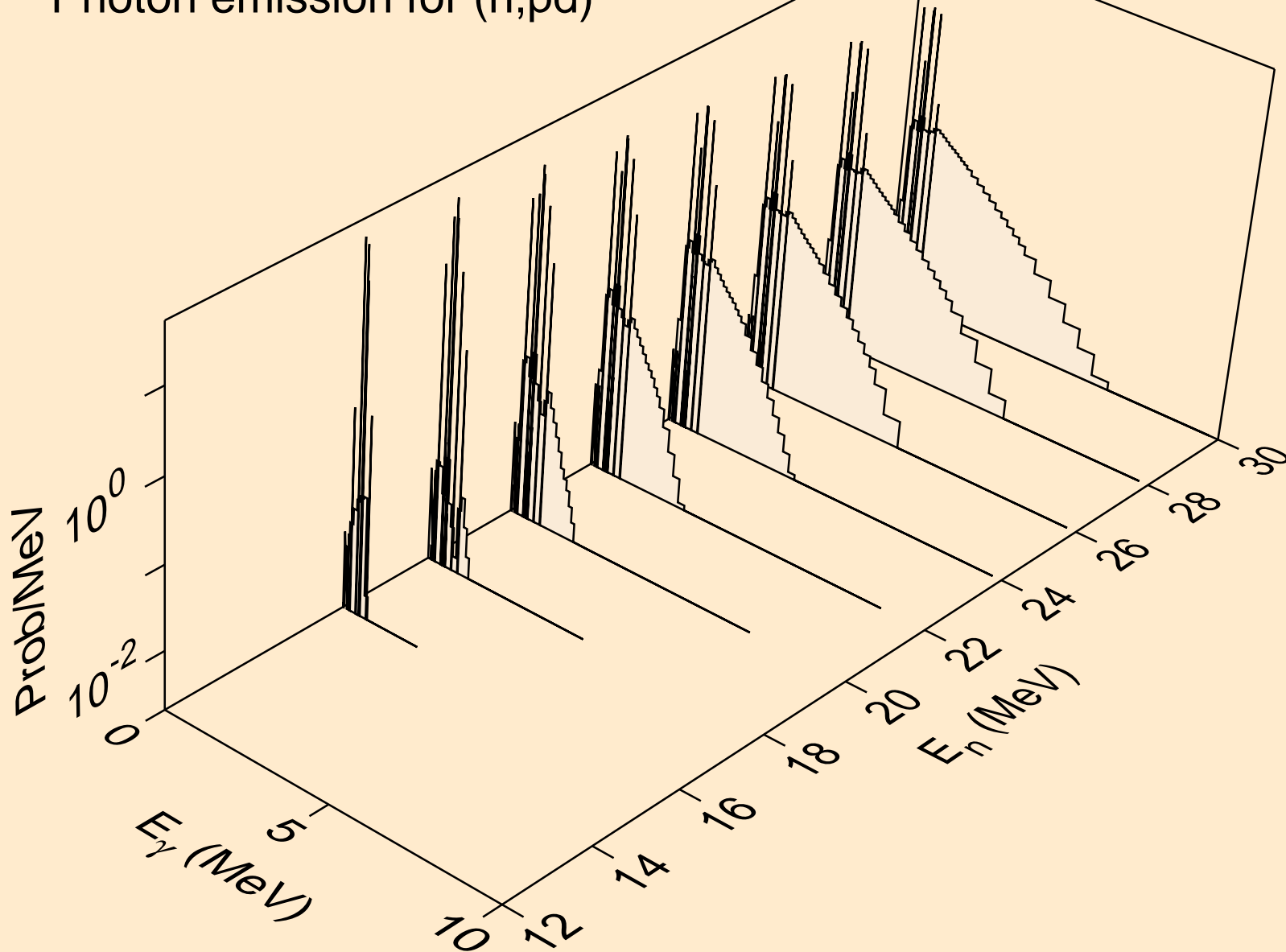
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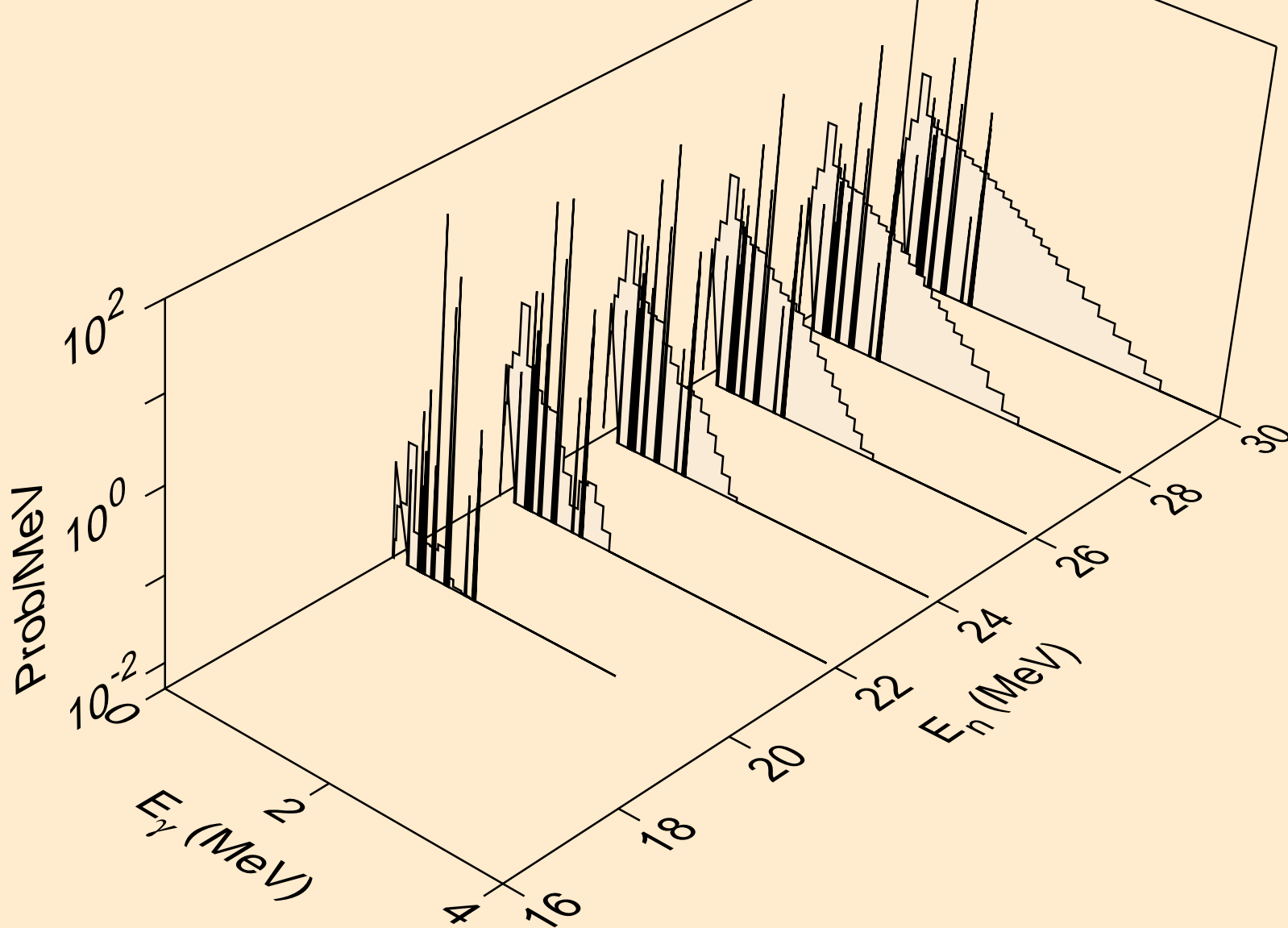
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

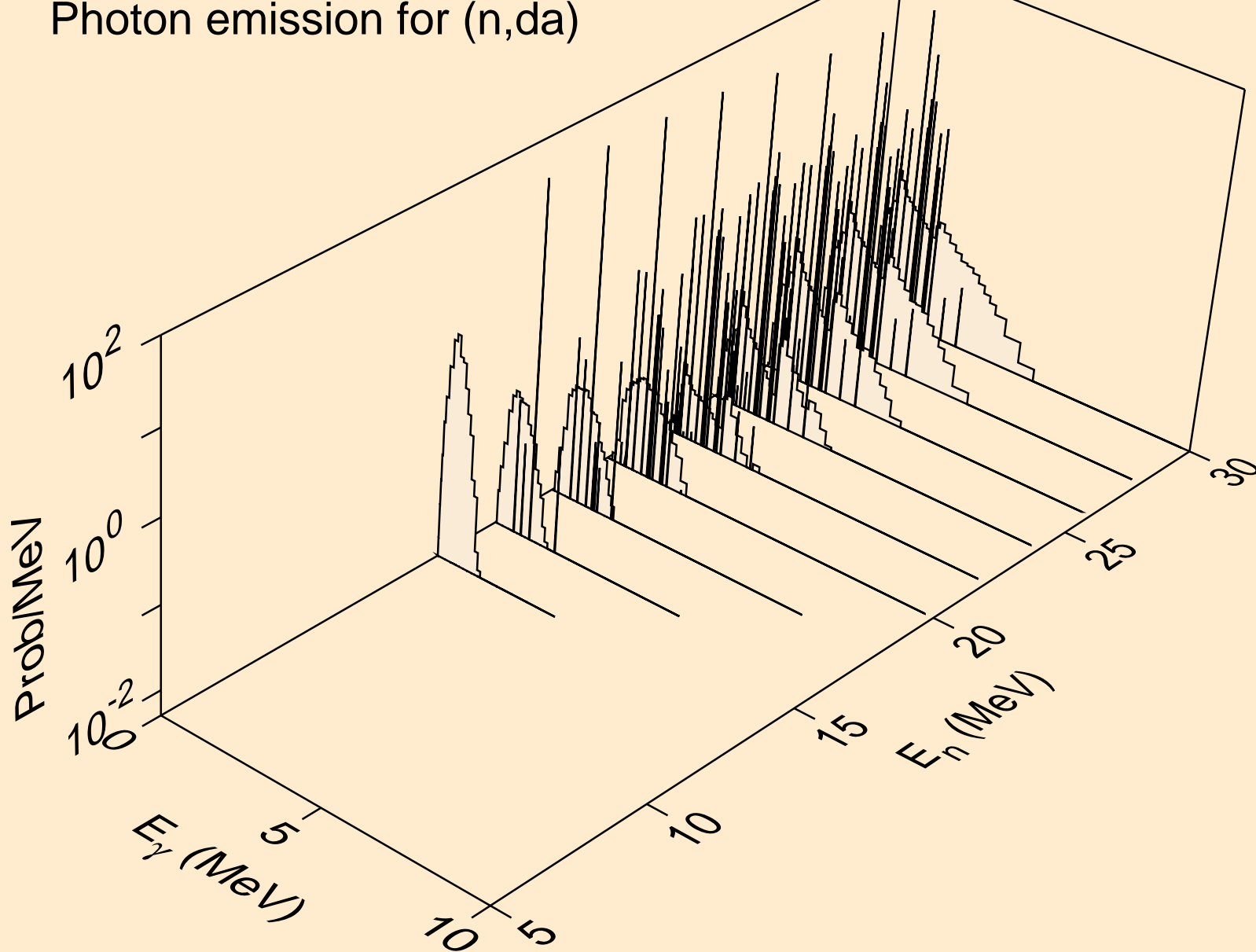


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Photon emission for (n,pt)

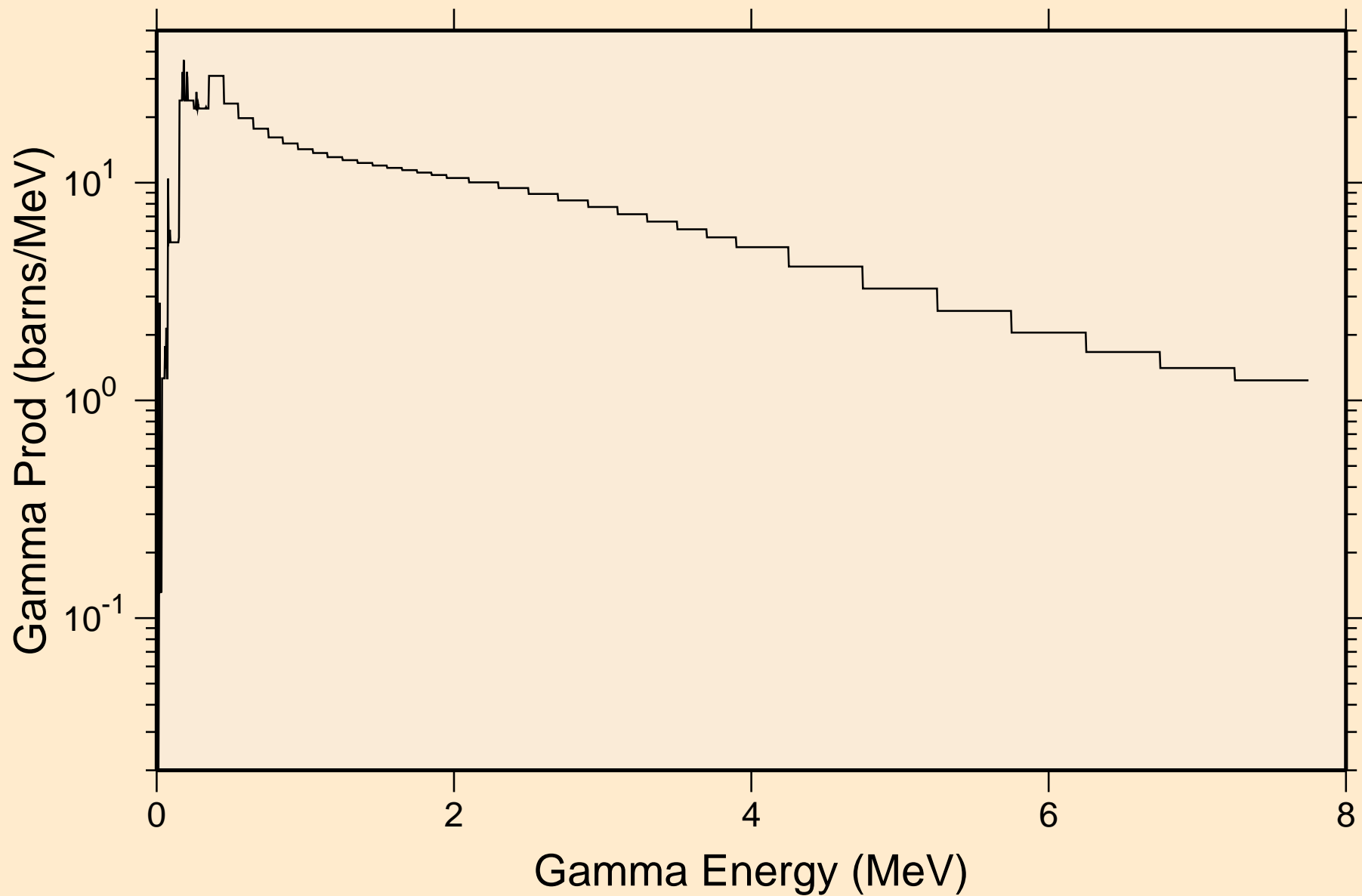




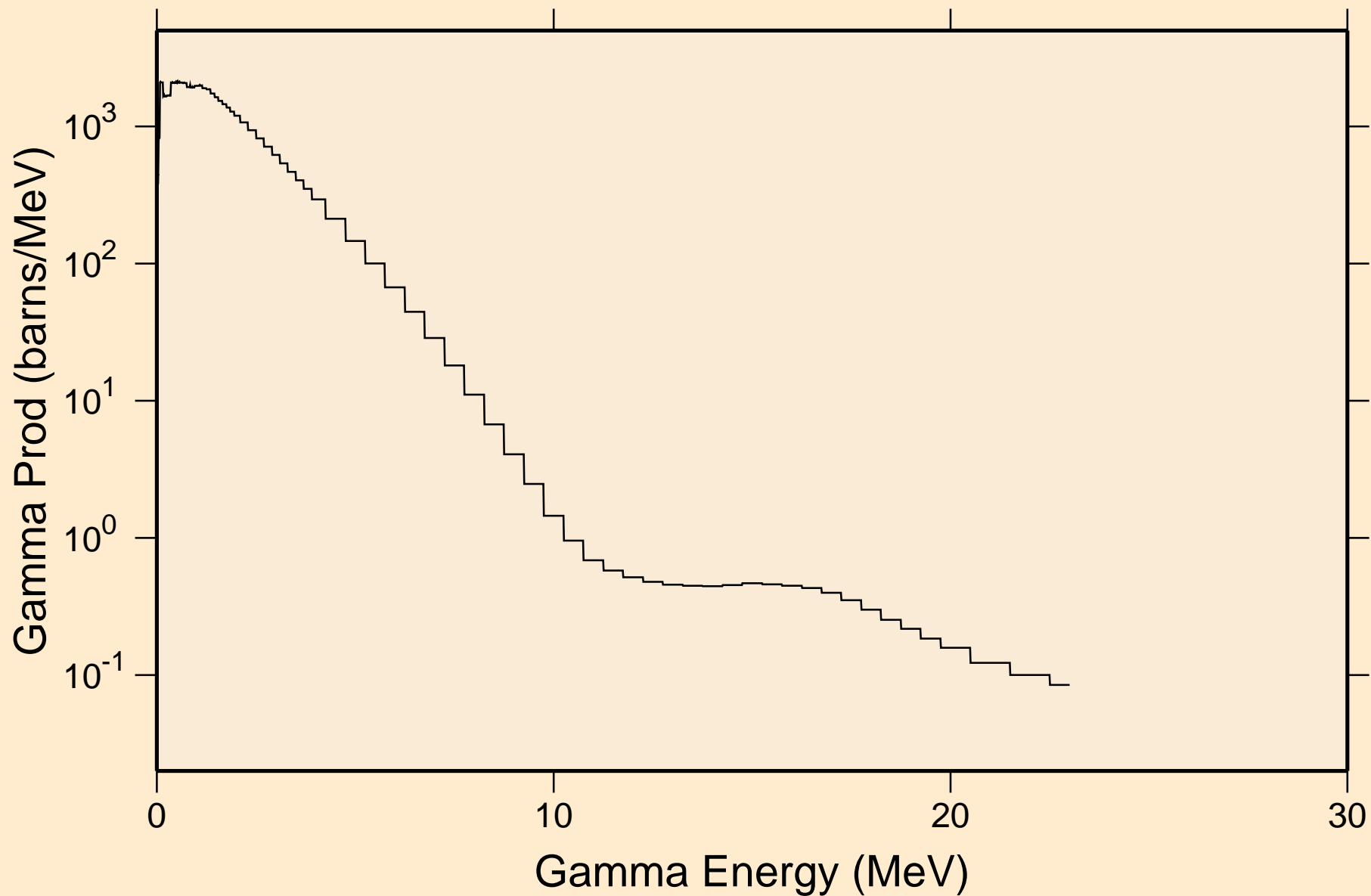
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

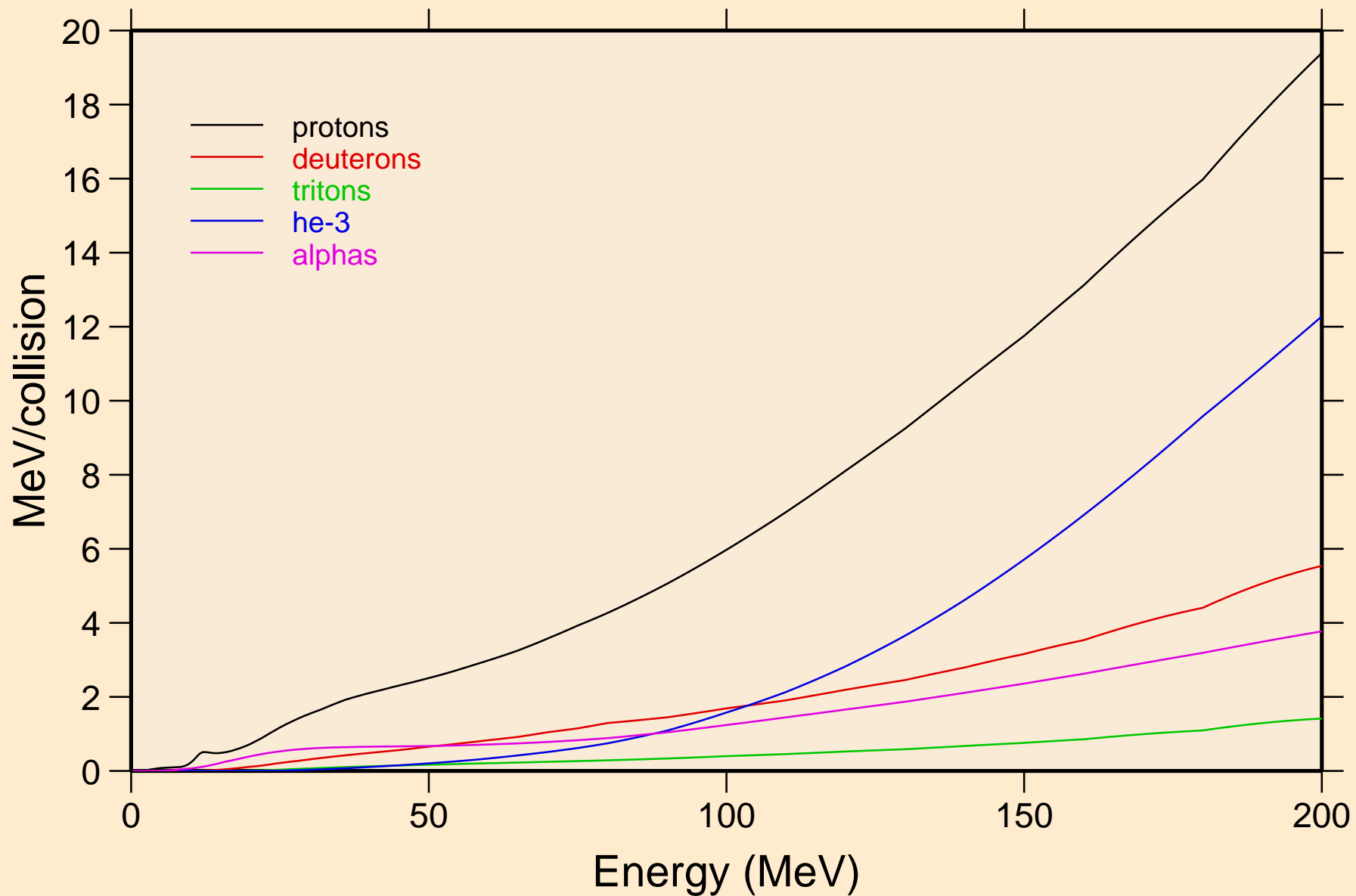


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

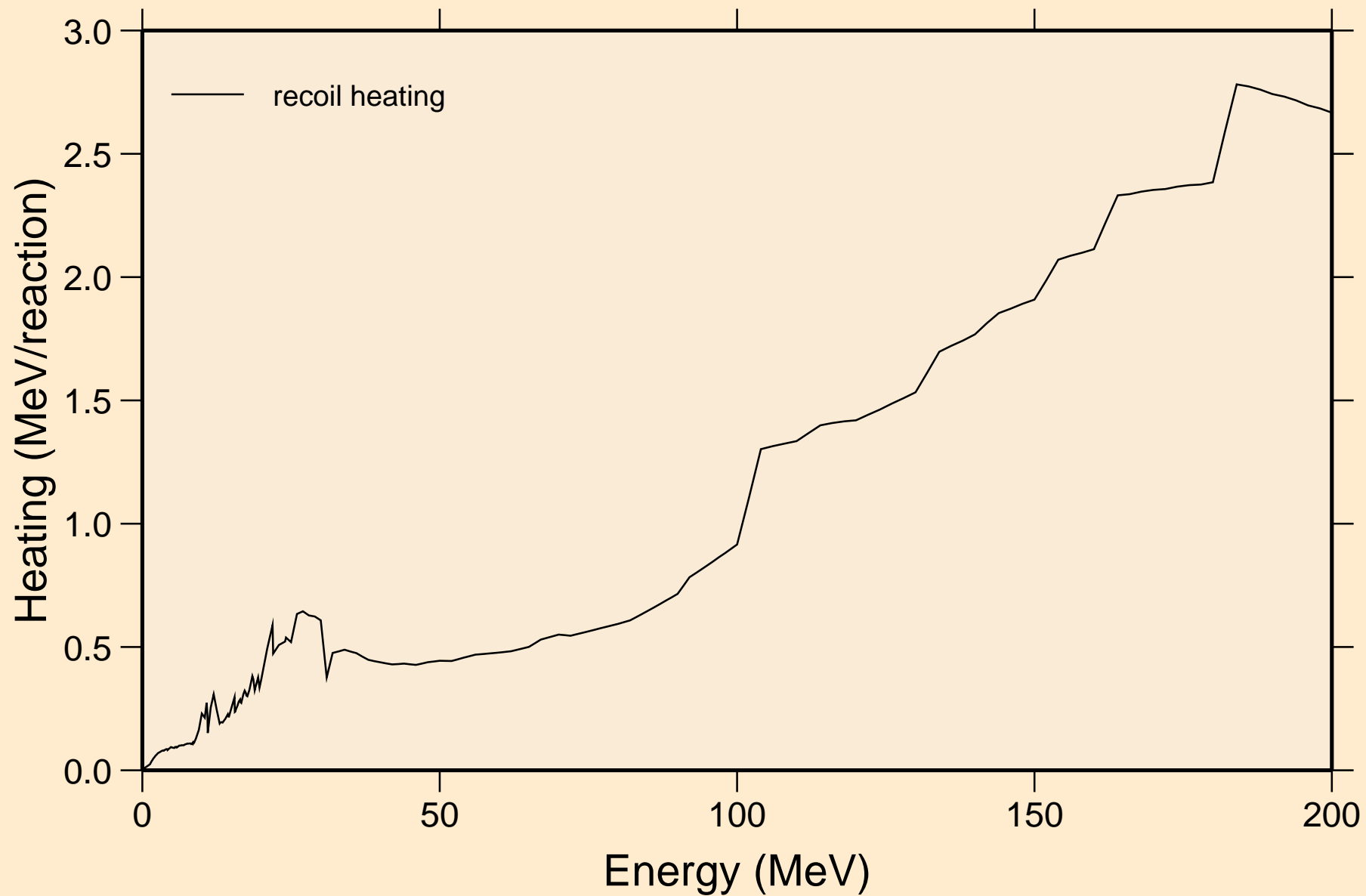


# AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

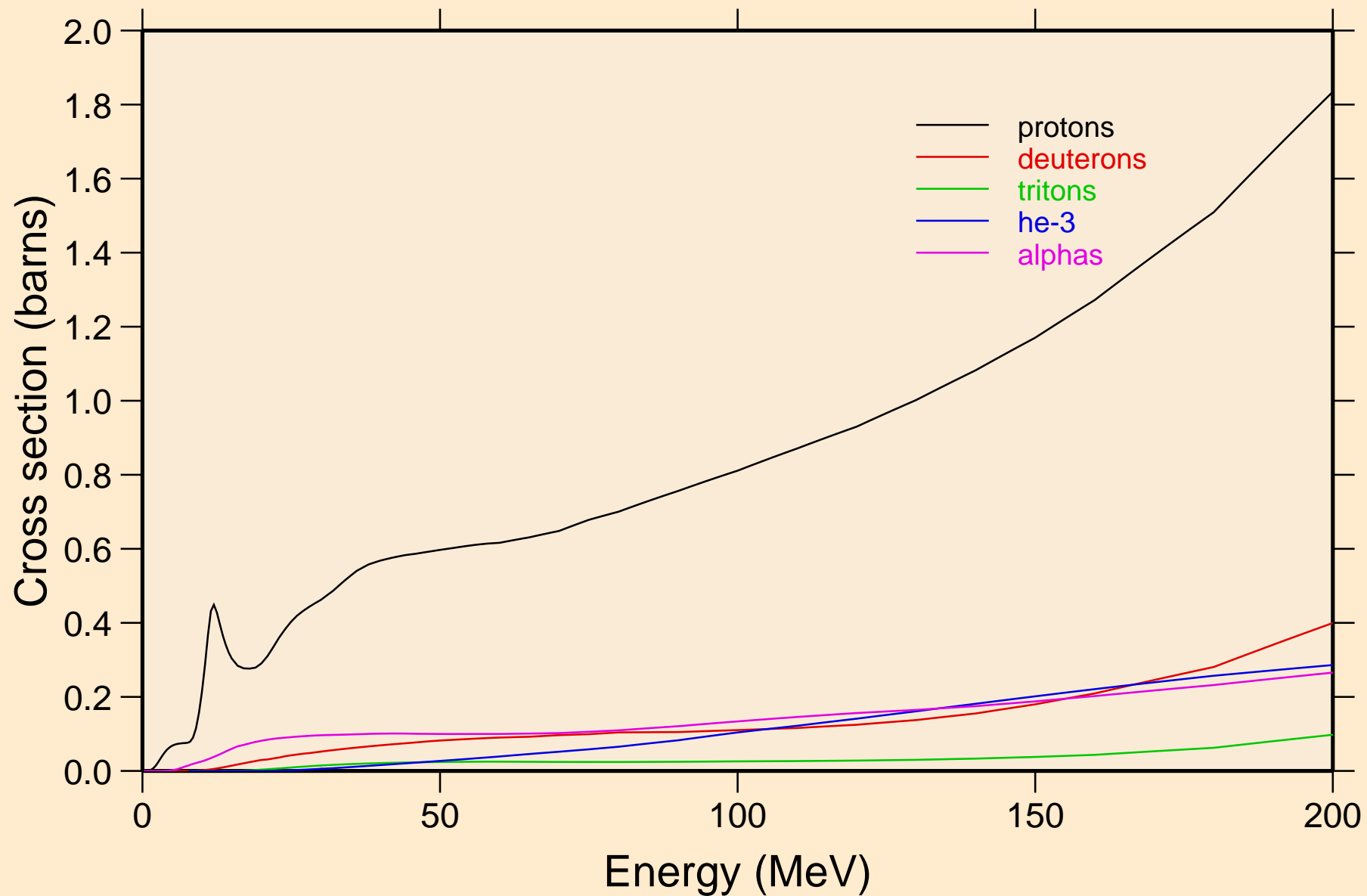
## Particle heating contributions



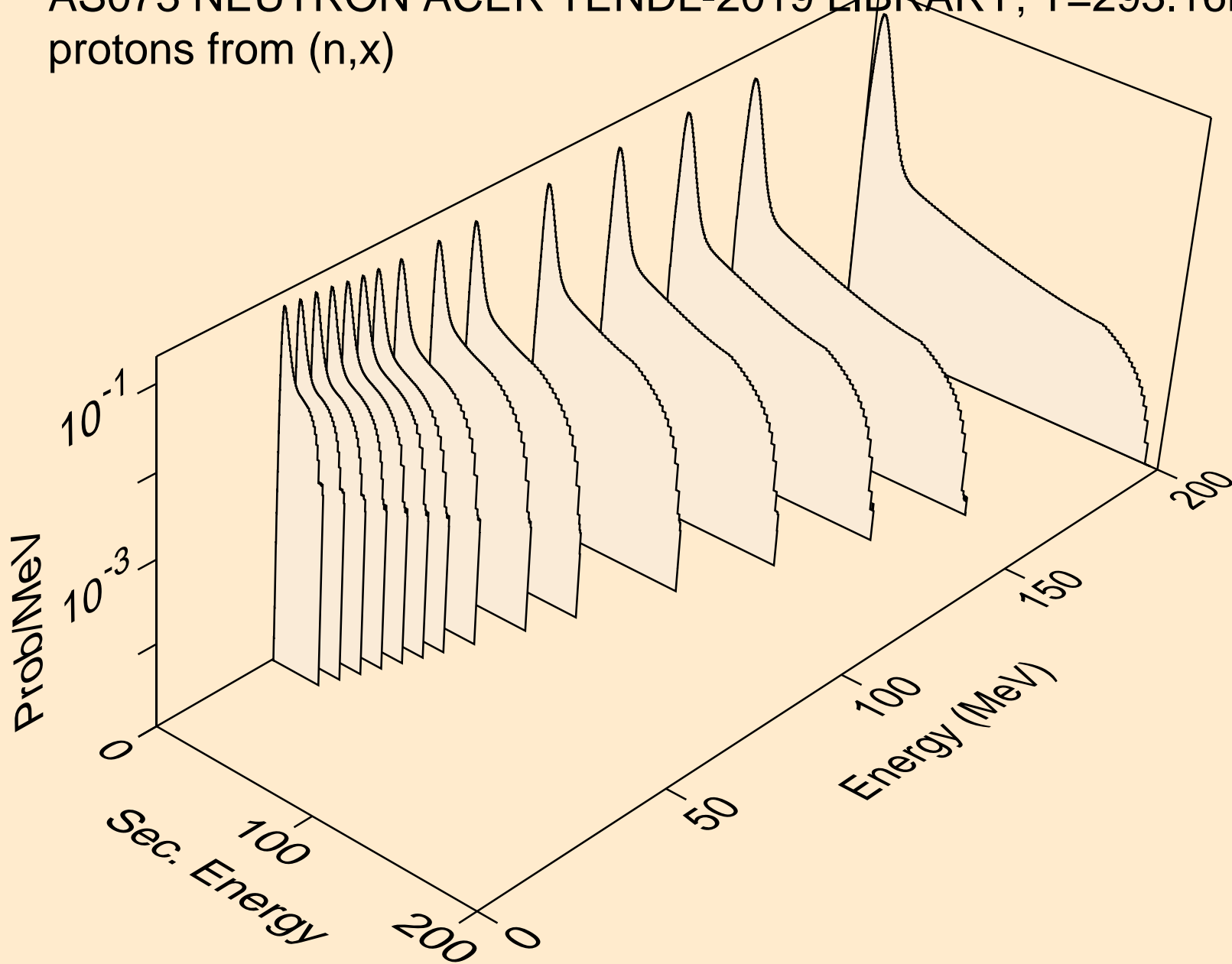
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Recoil Heating



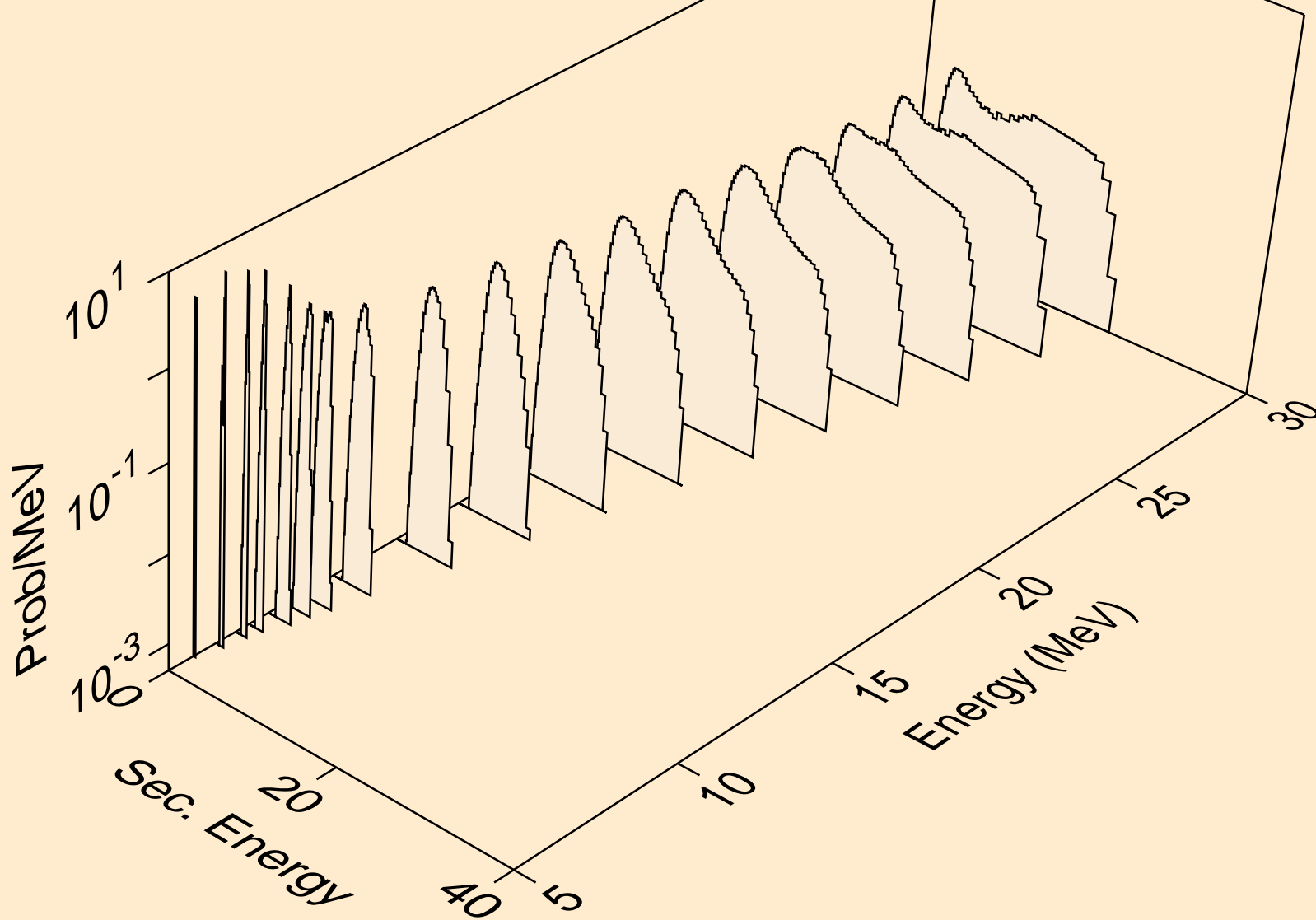
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Particle production cross sections



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

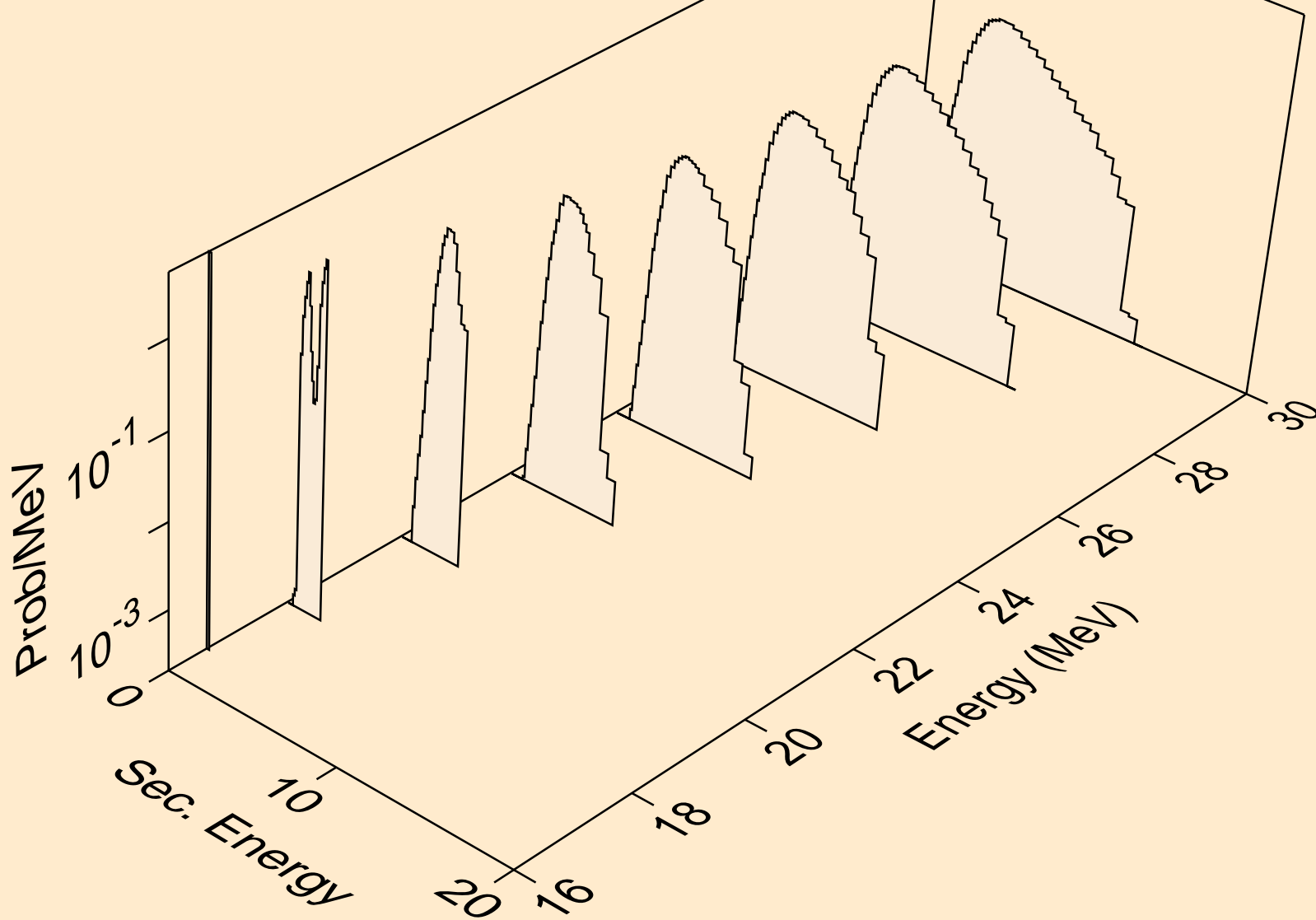


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protons from (n,n\*)p

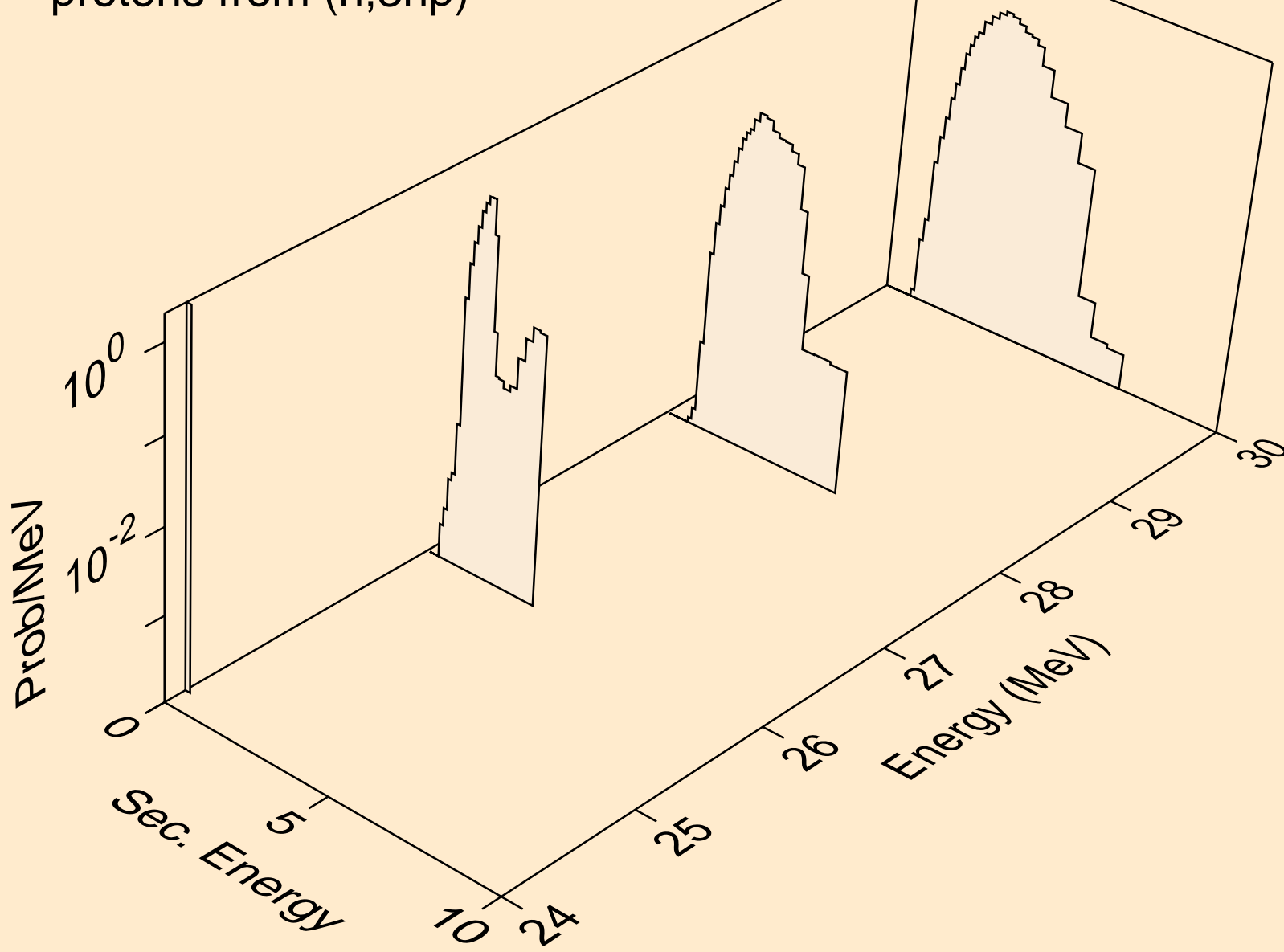




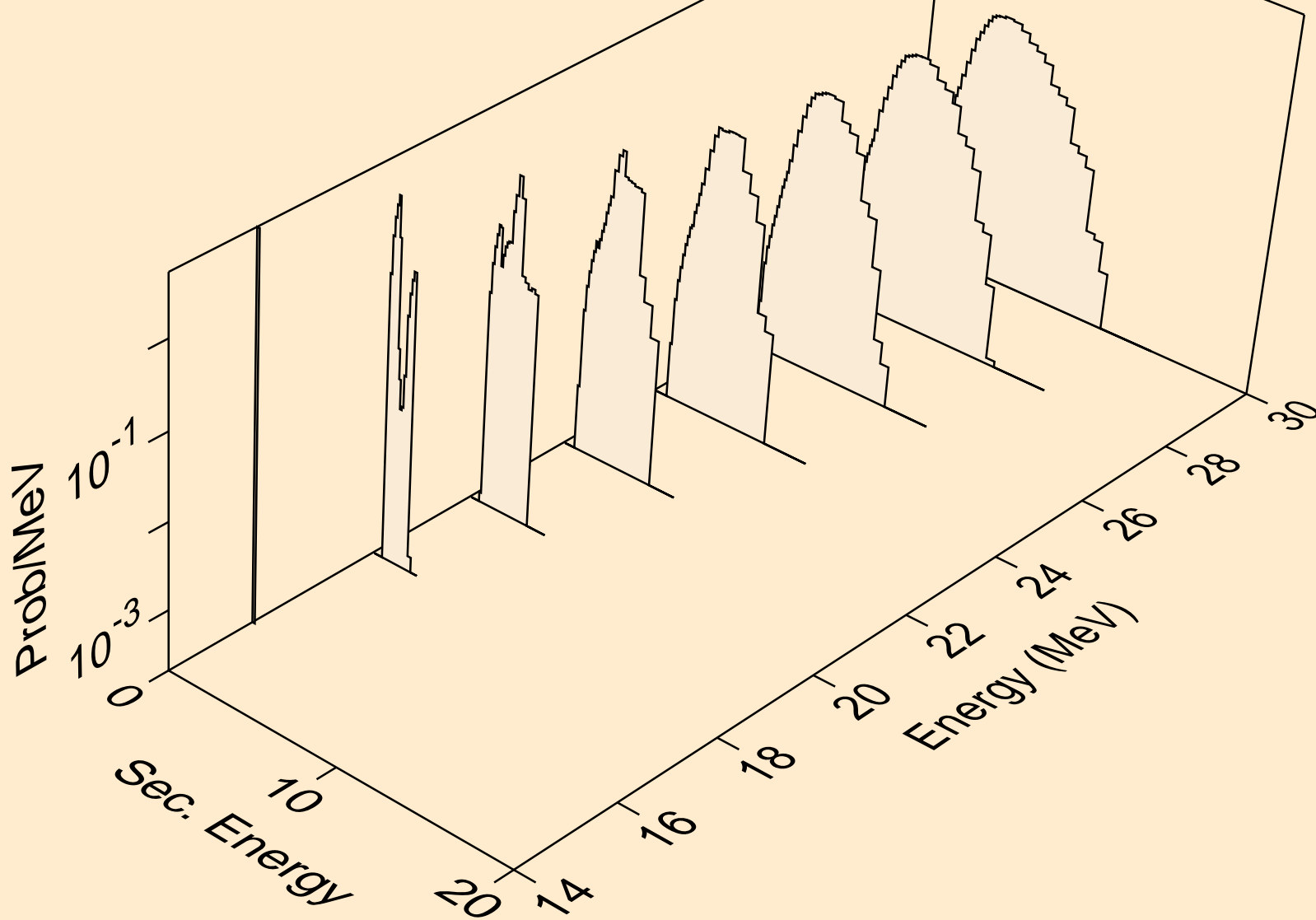
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protons from (n,2np)



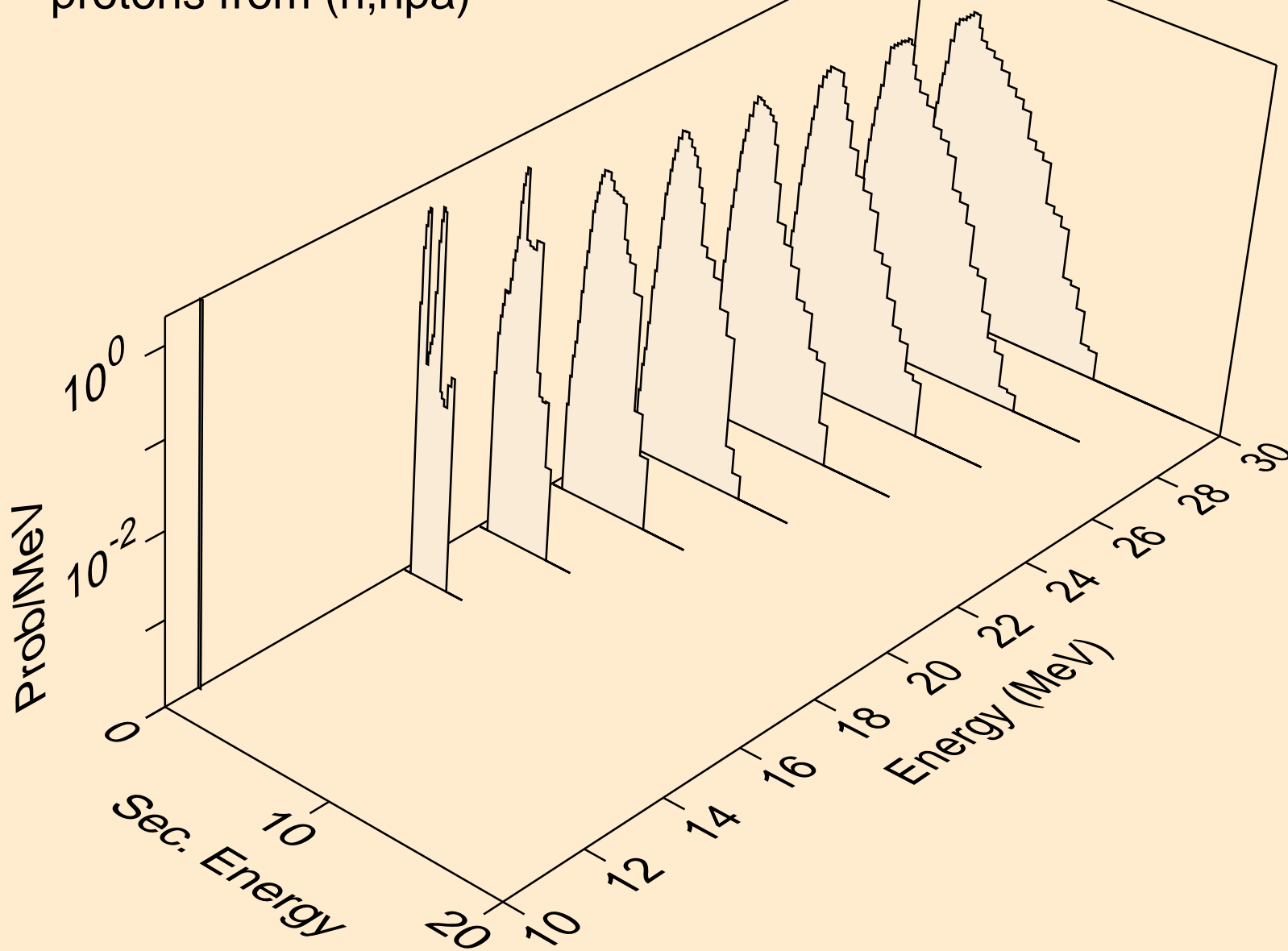
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protons from (n,3np)



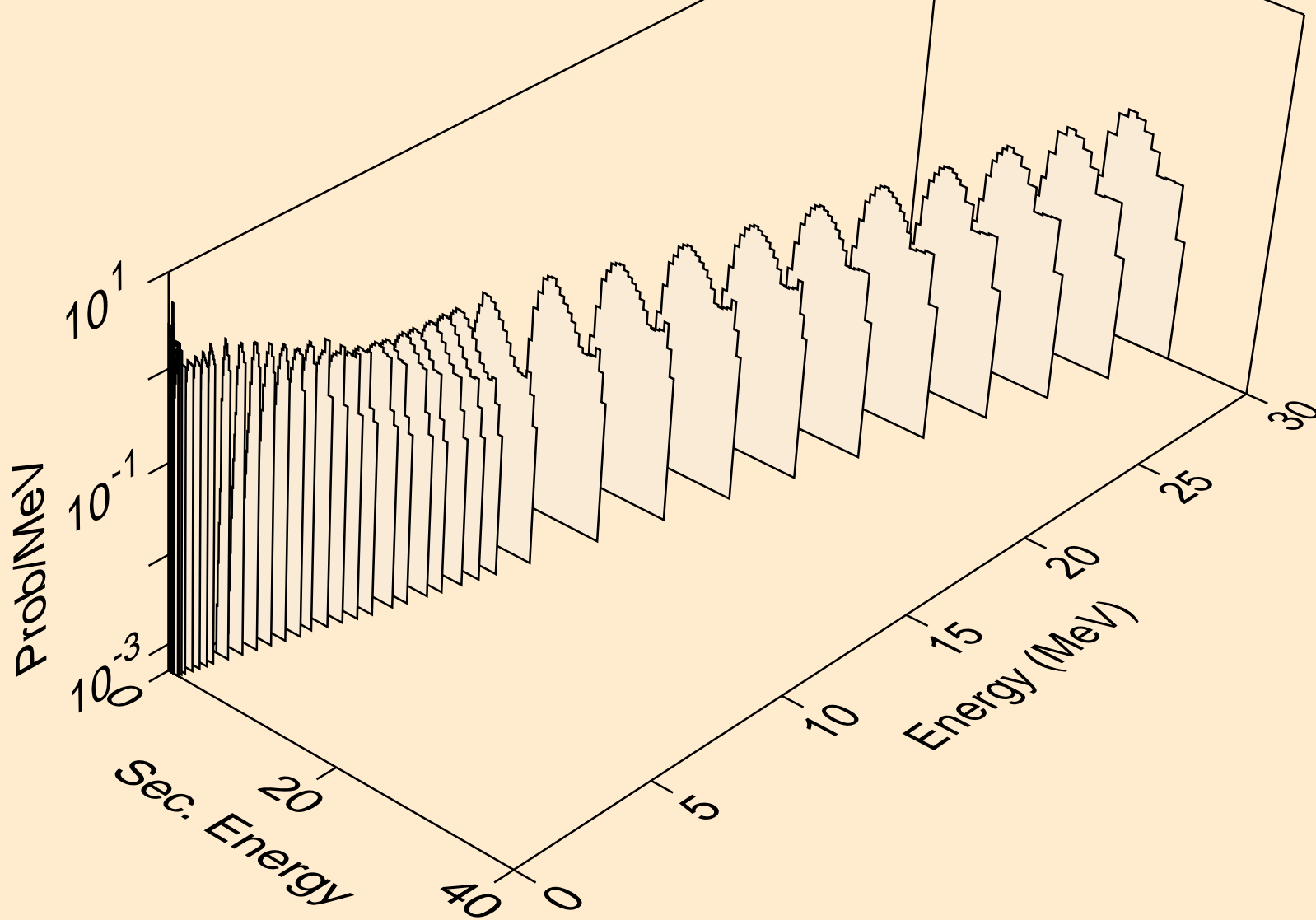
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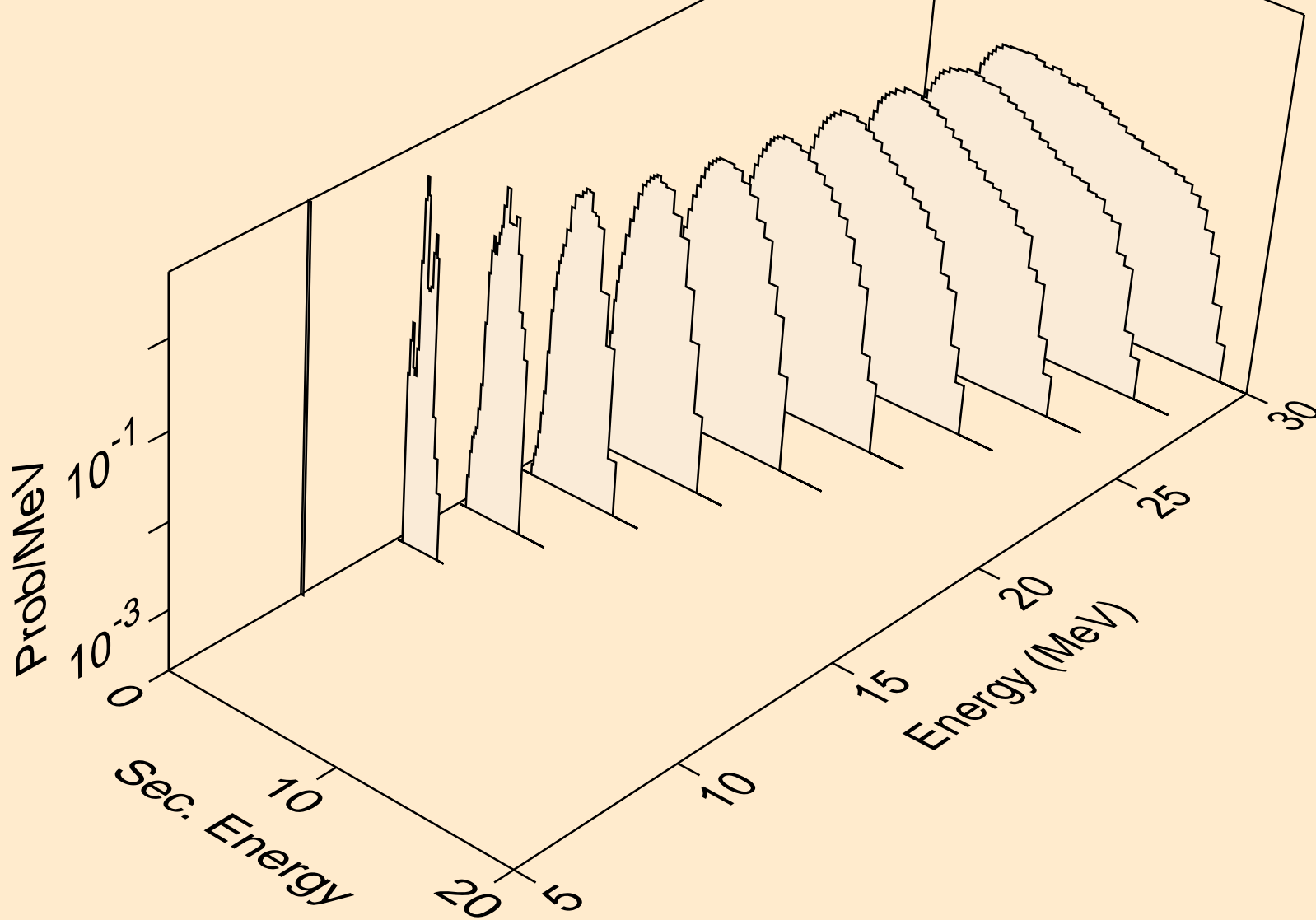
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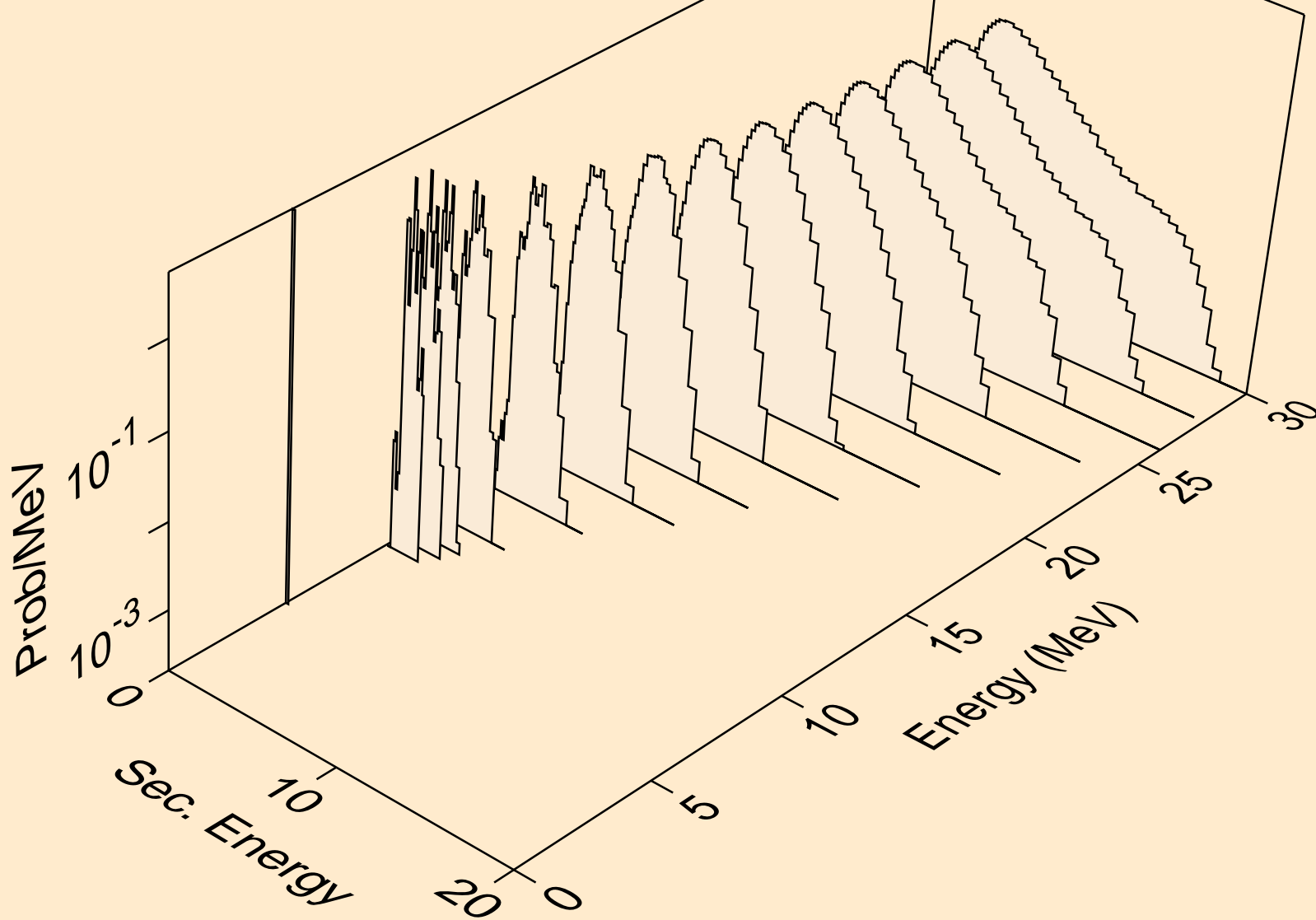
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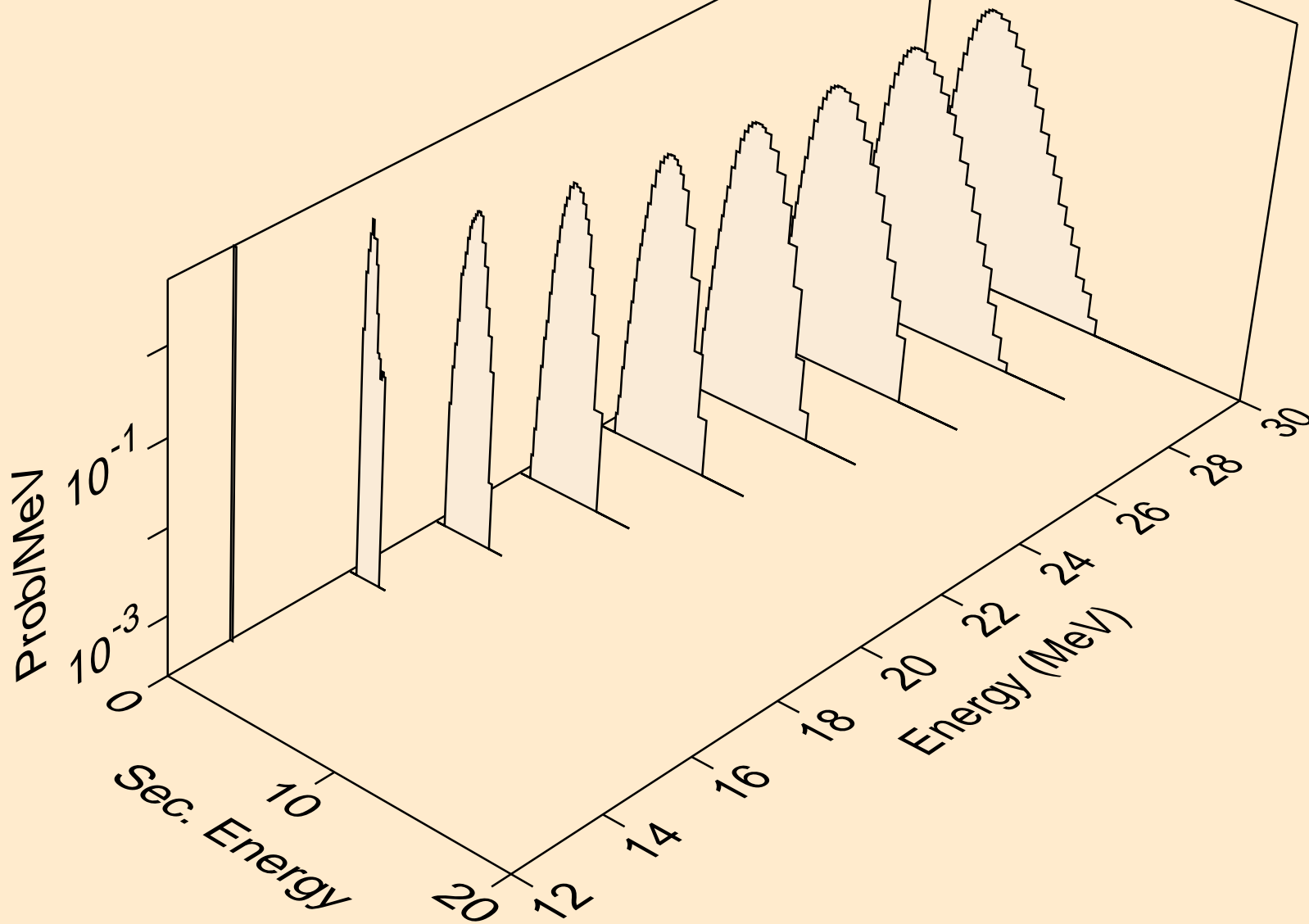
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AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

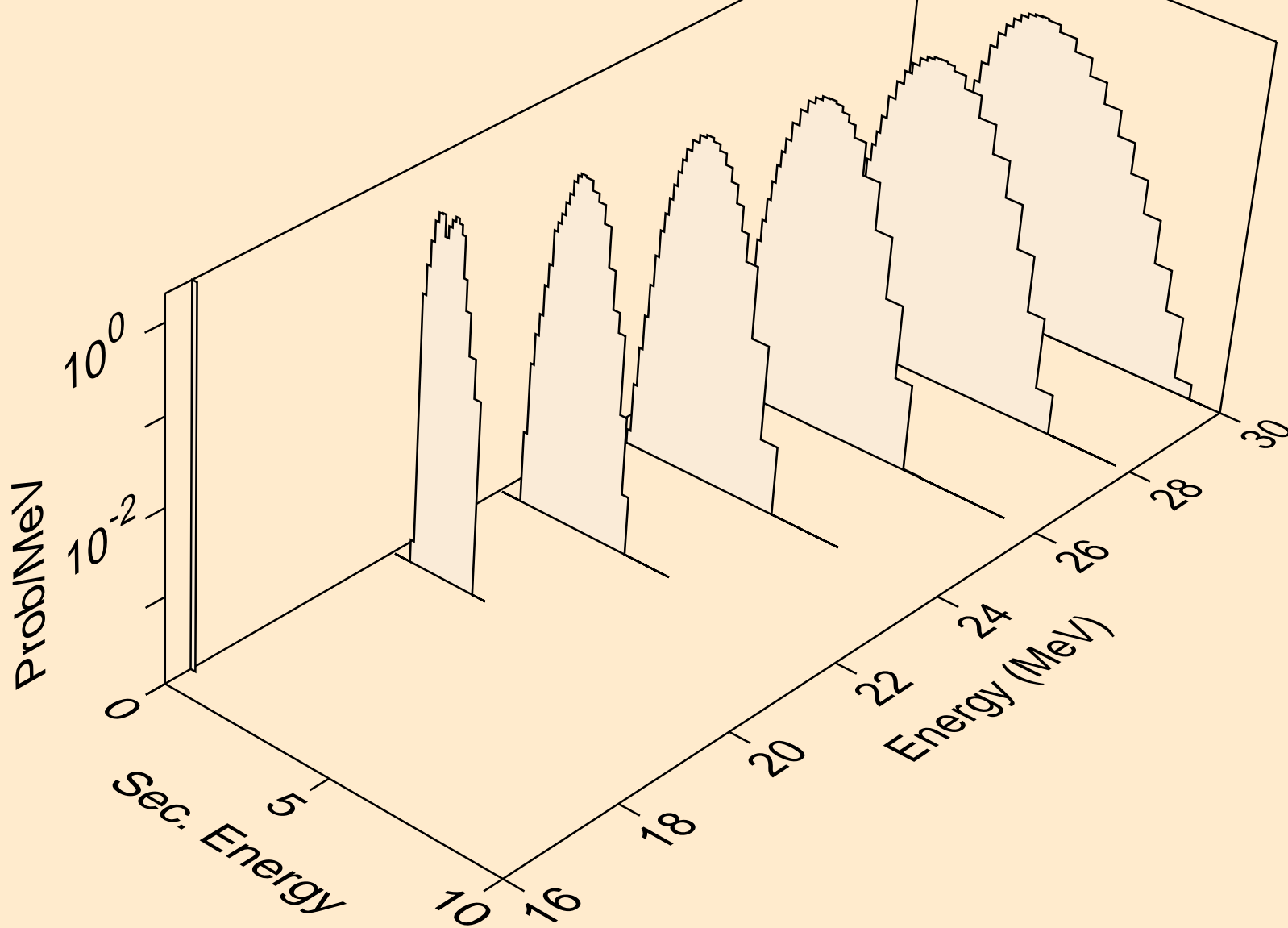


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protons from (n,pd)

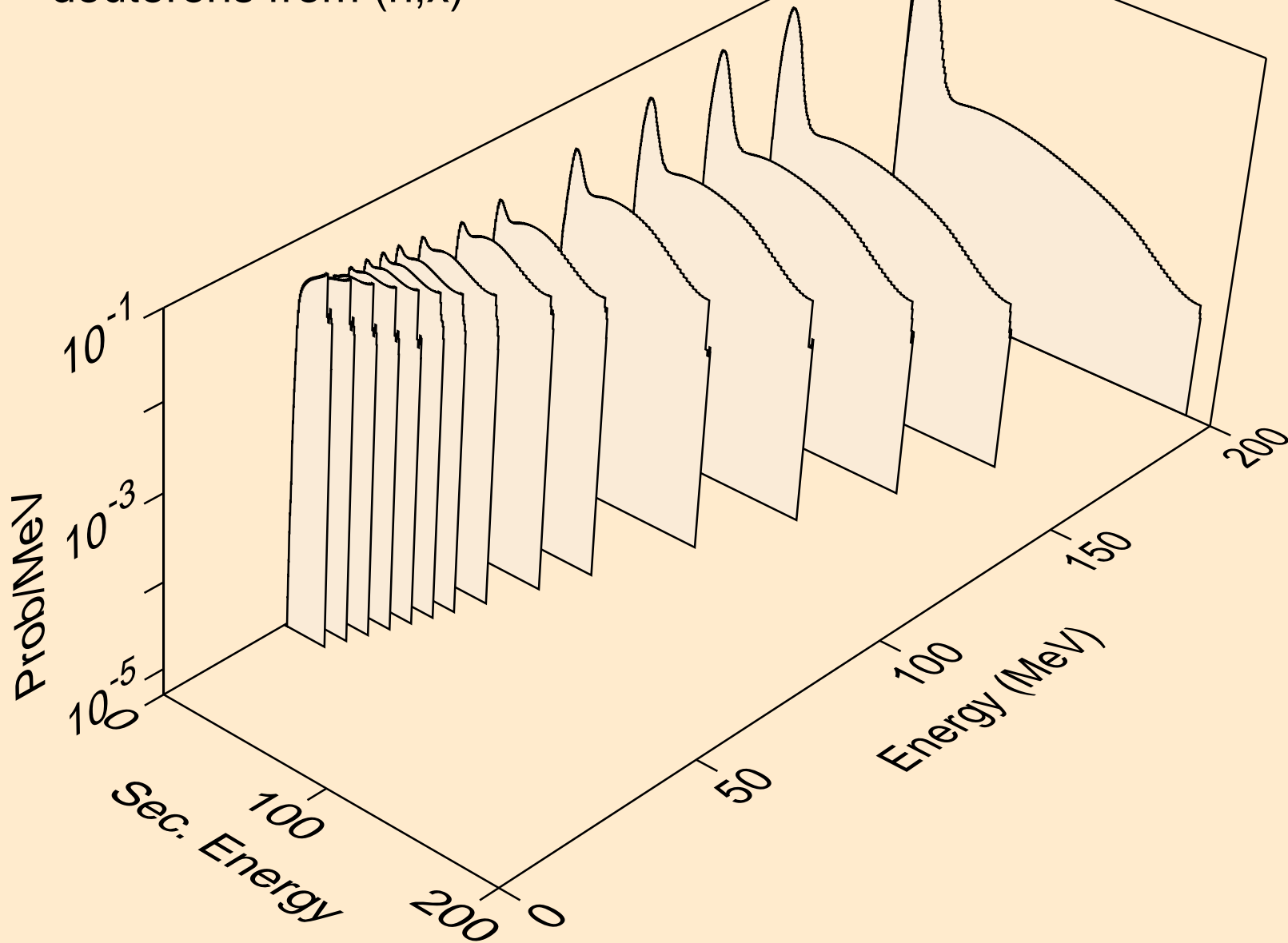




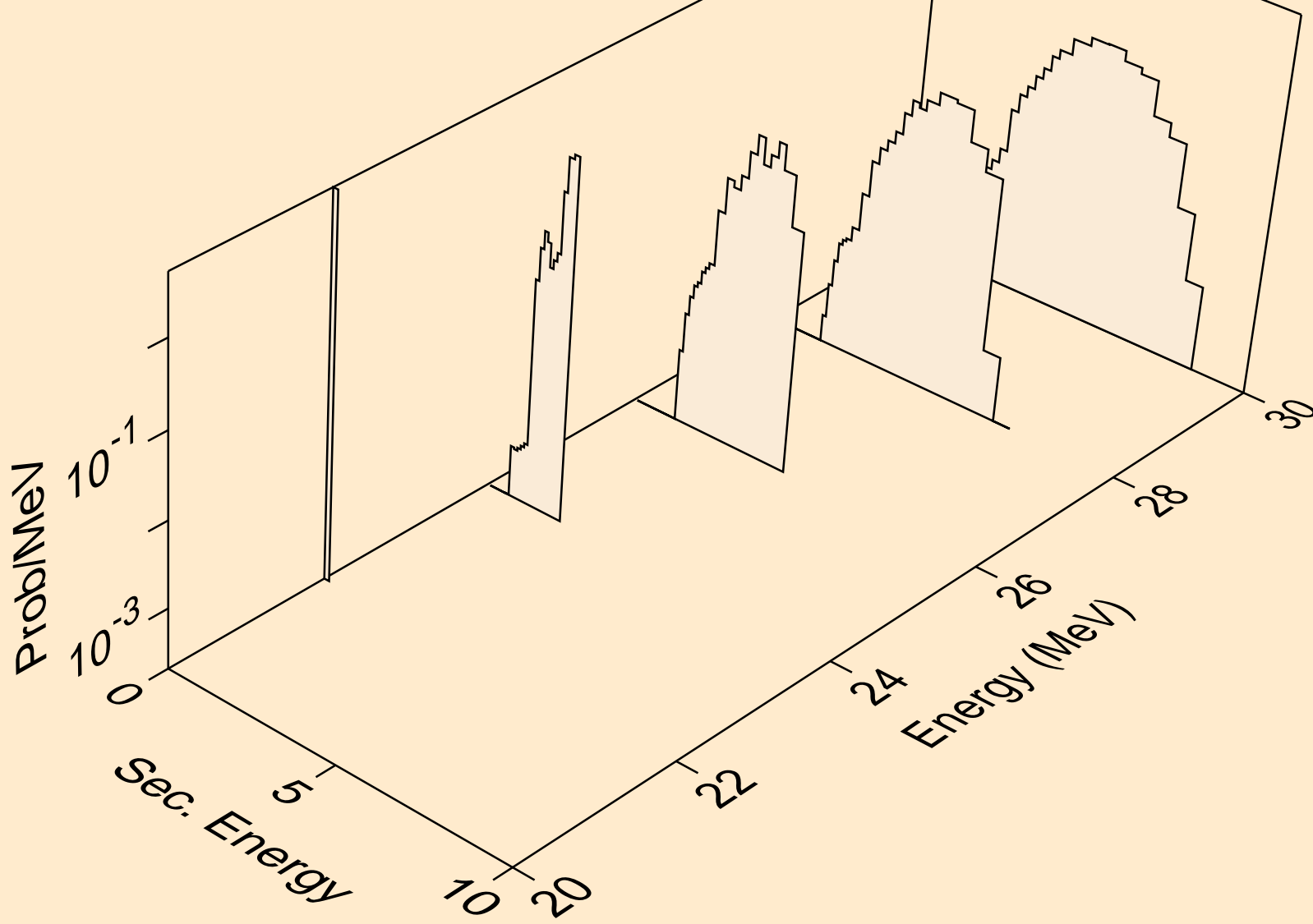
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protons from (n,pt)



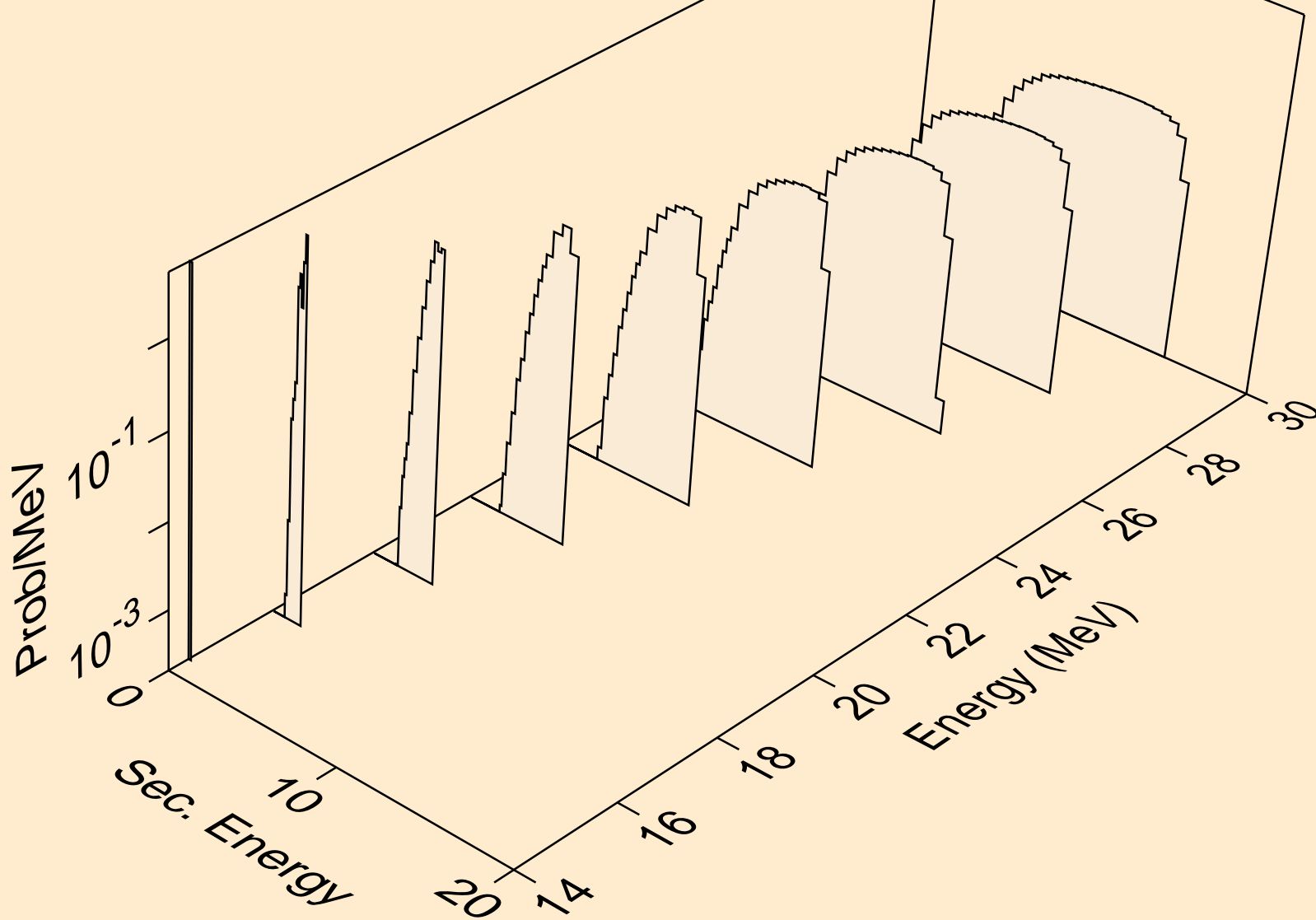
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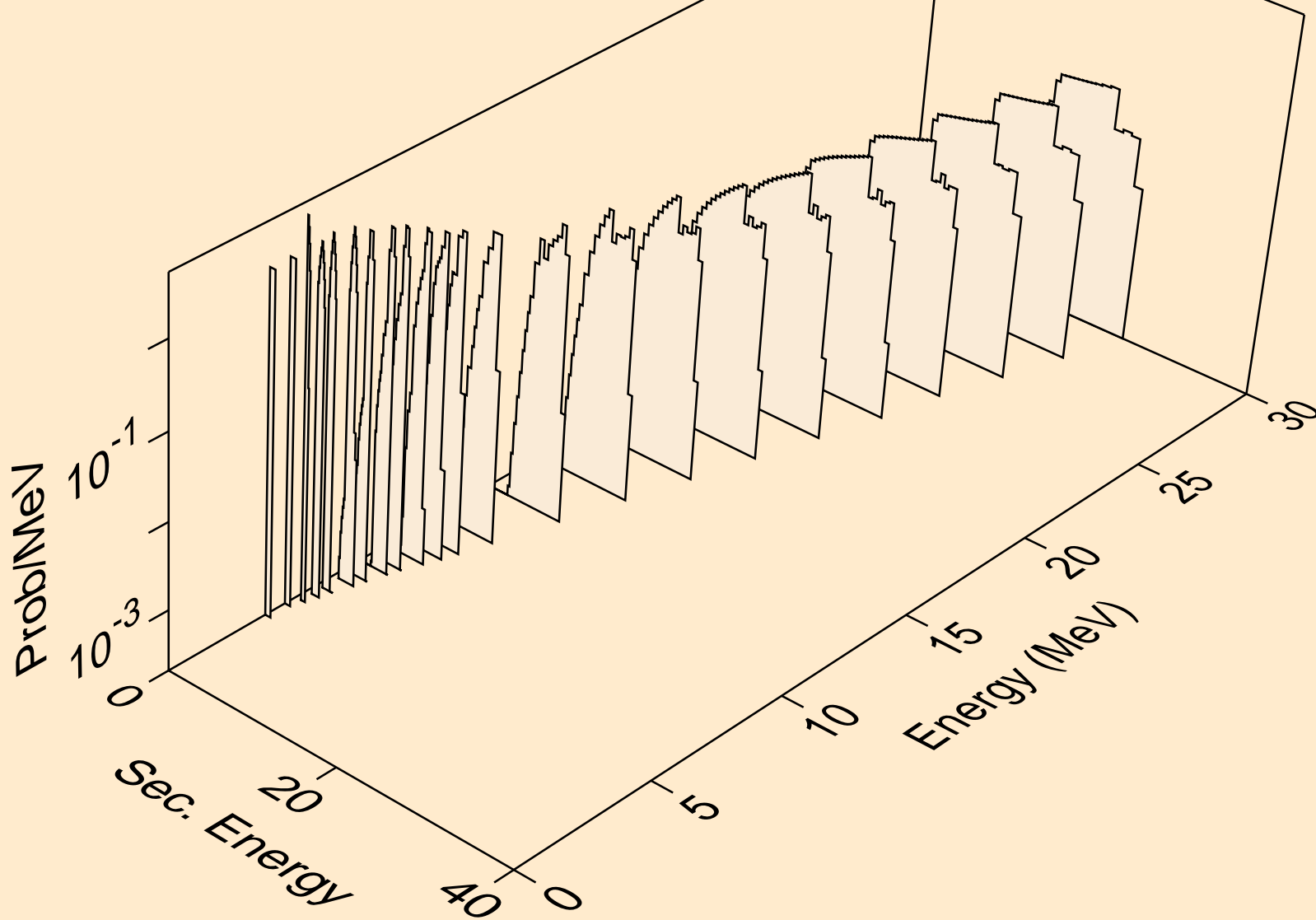
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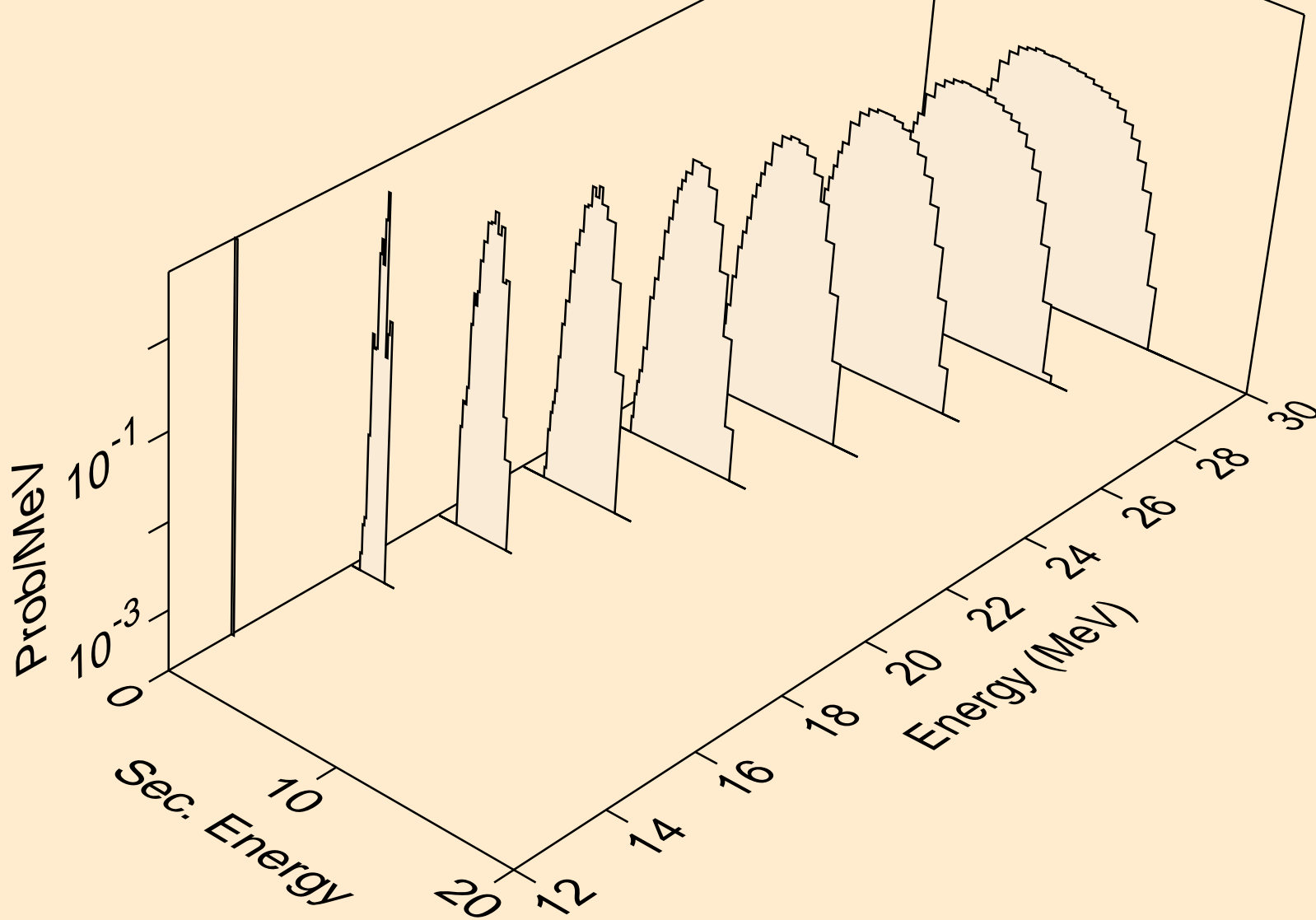
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deuterons from (n,n\*)d



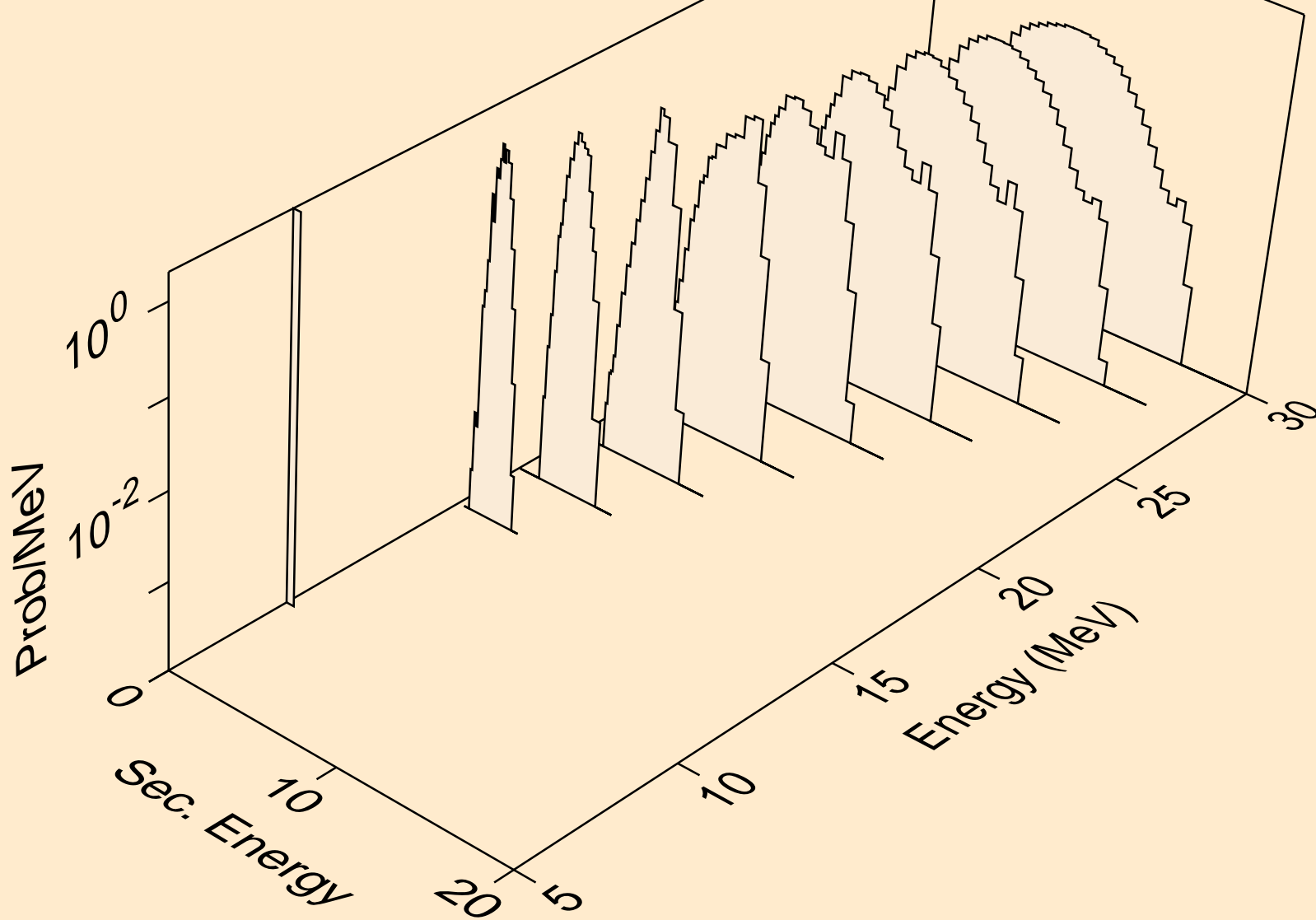
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deuterons from (n,d)



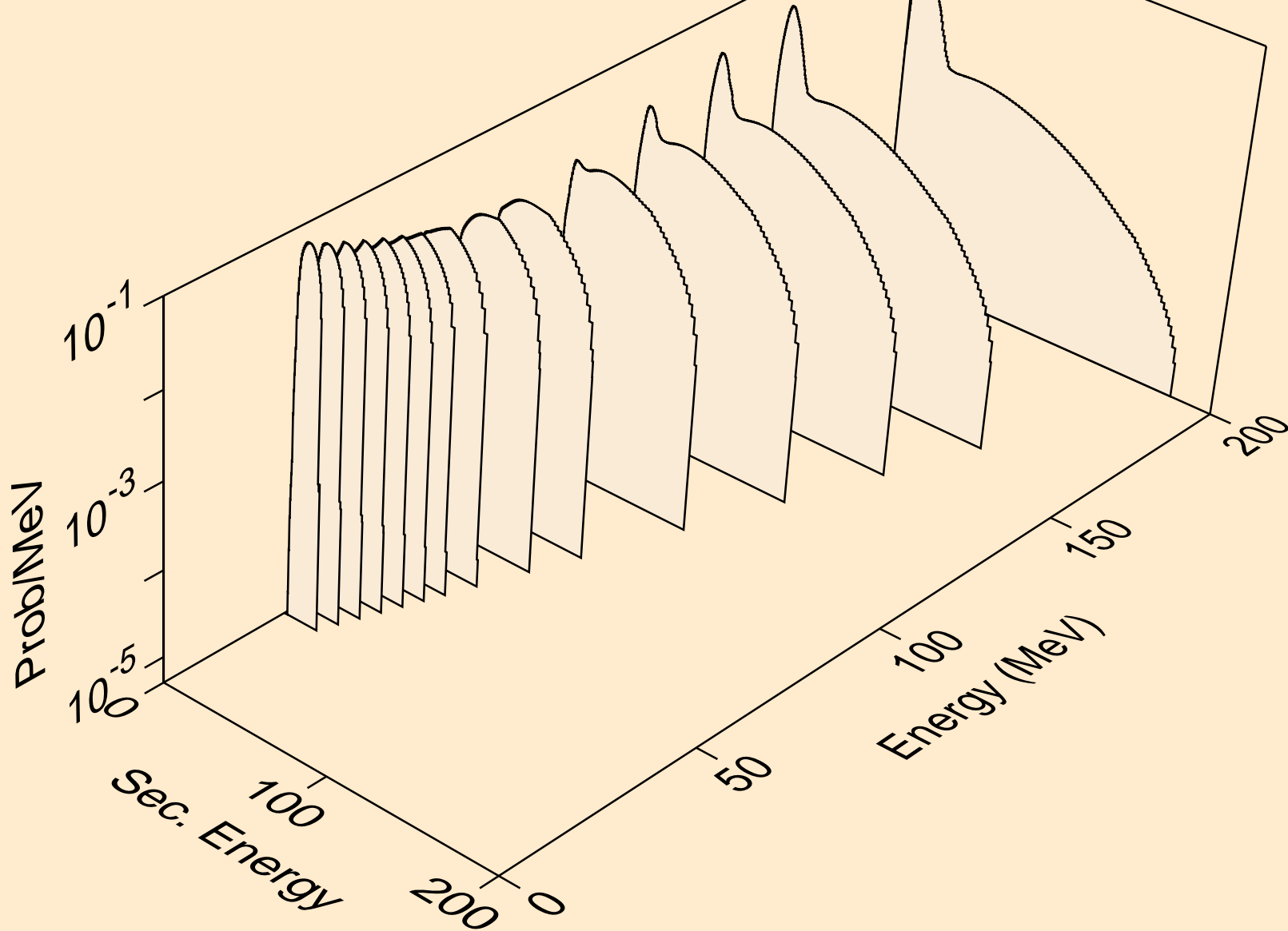
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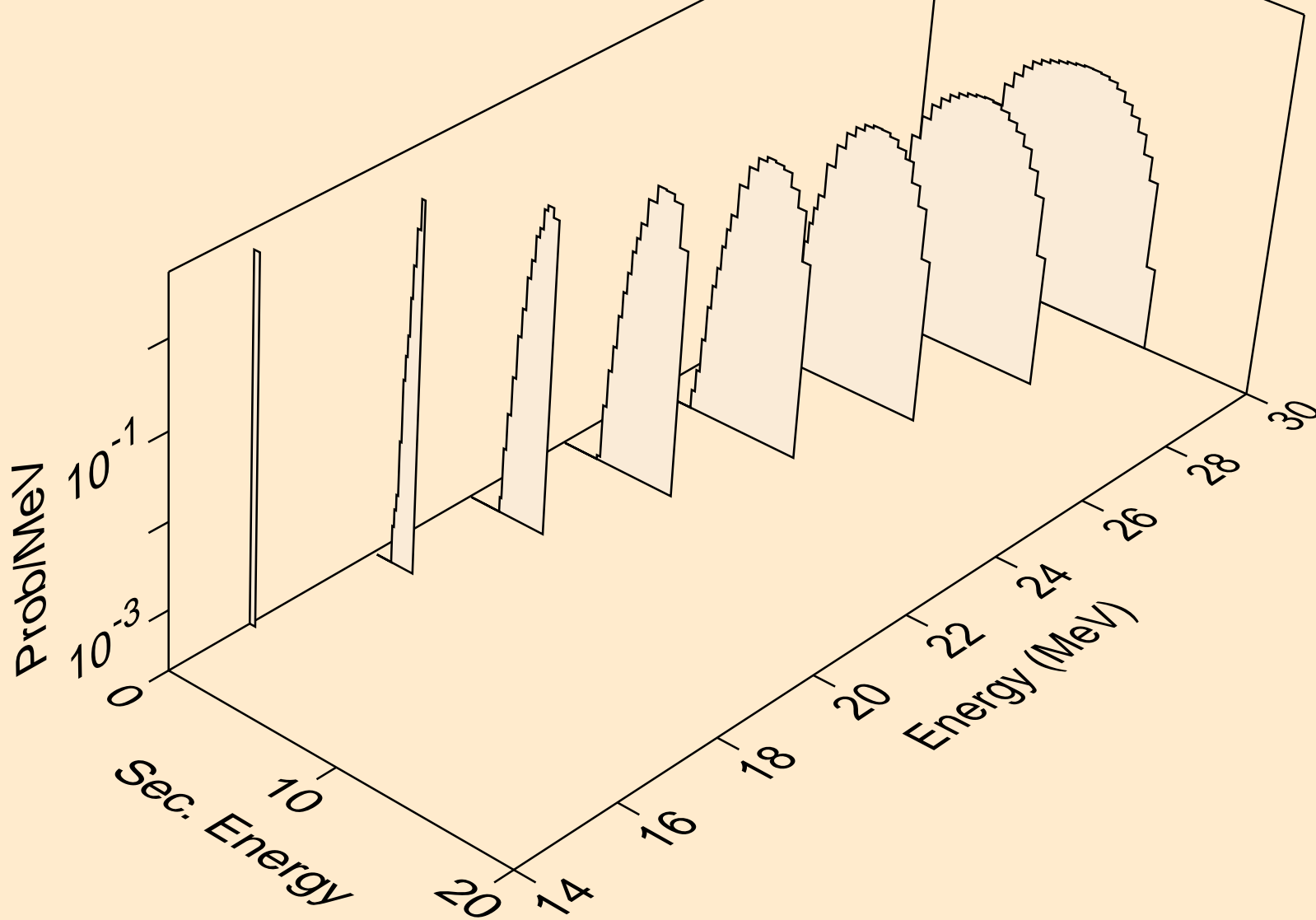


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tritons from (n,x)

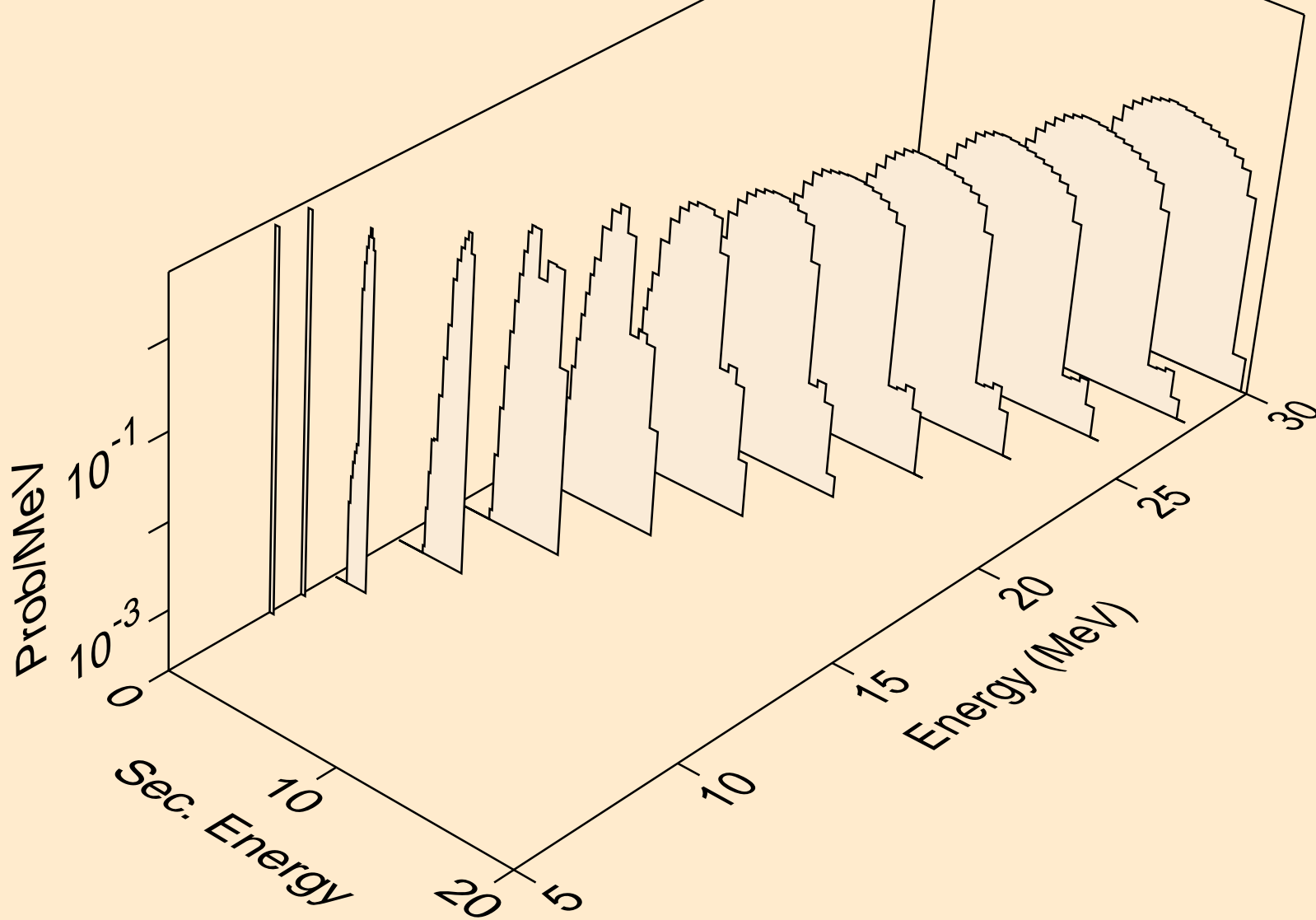




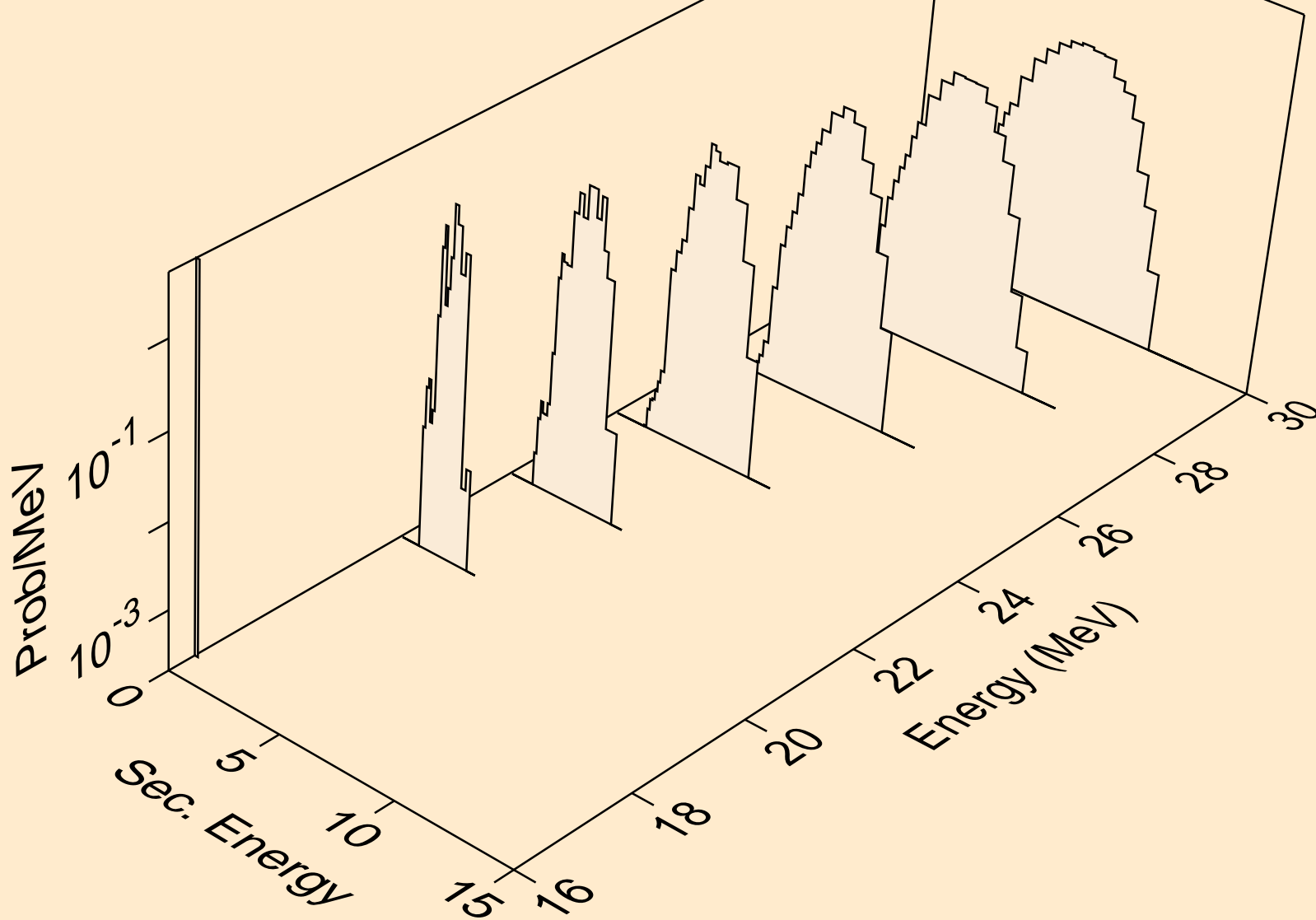
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tritons from (n,n\*)t



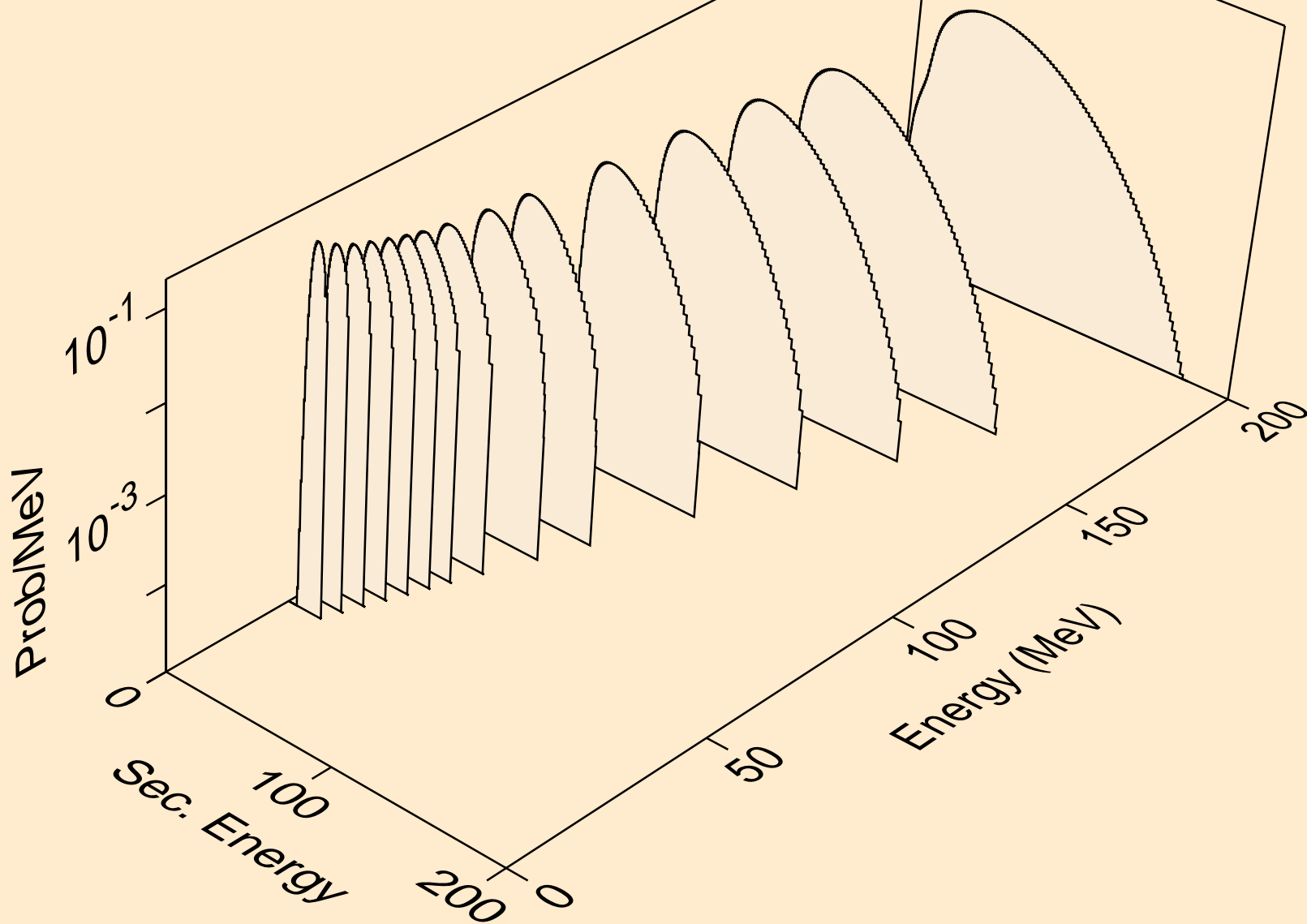
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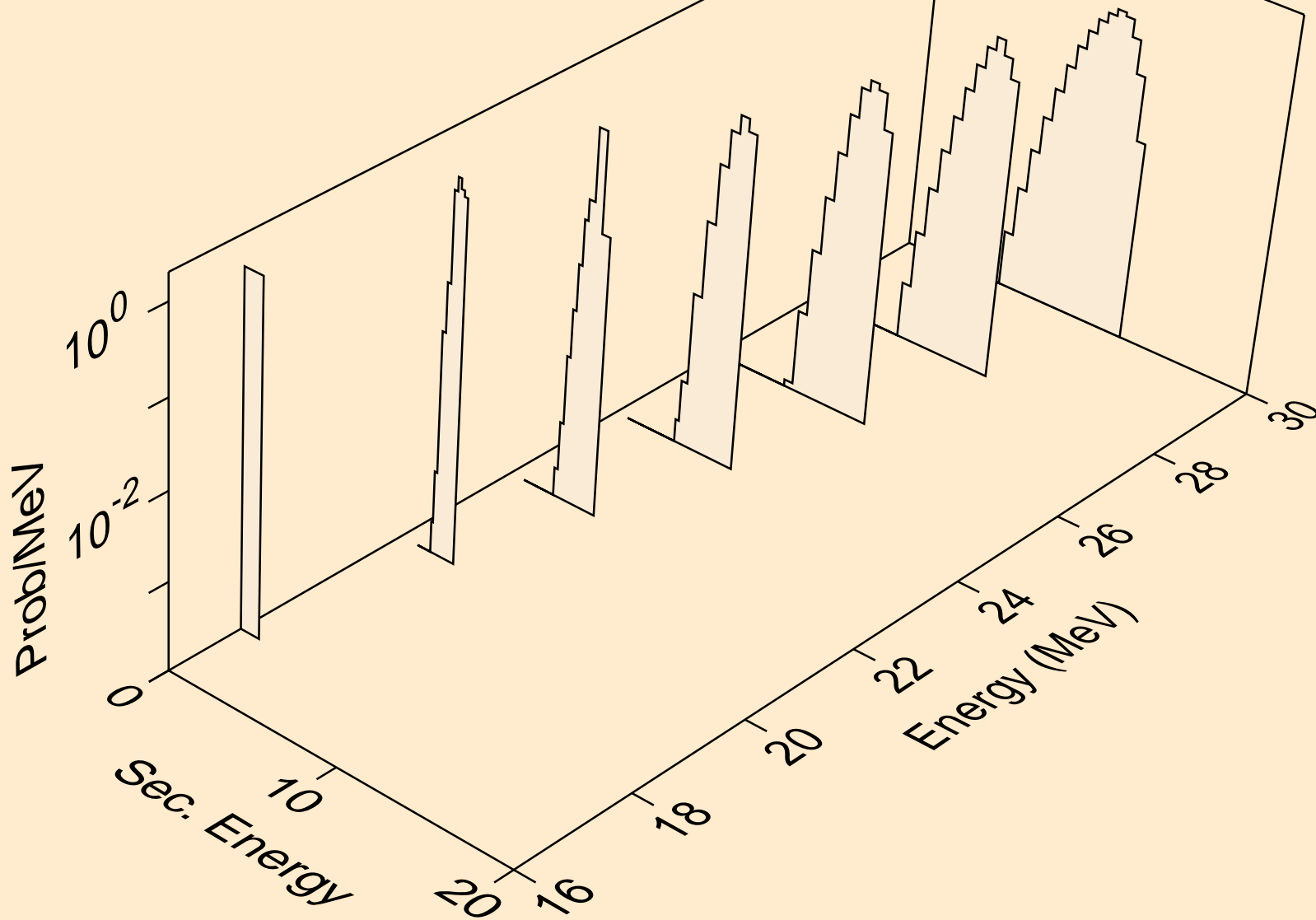
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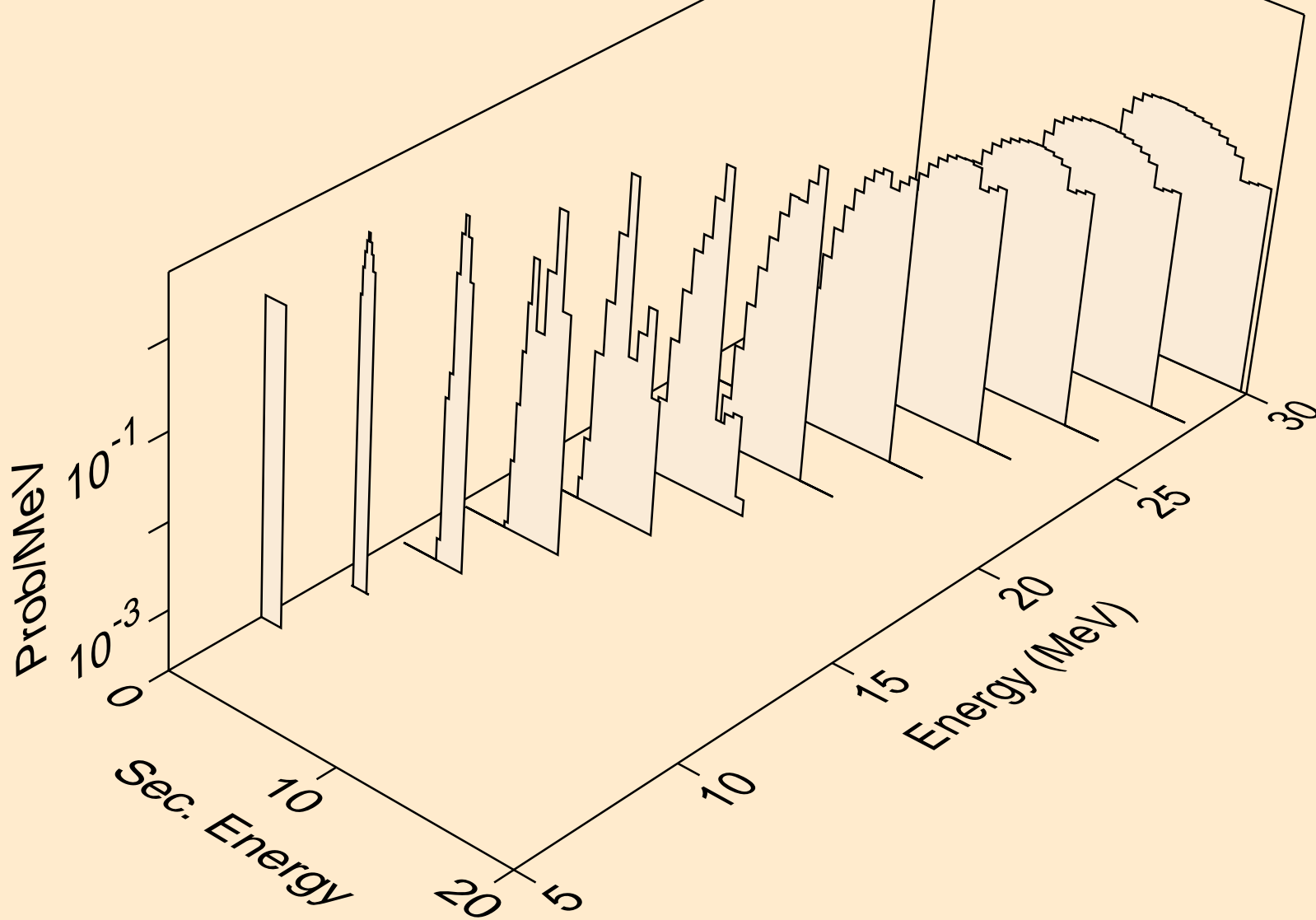
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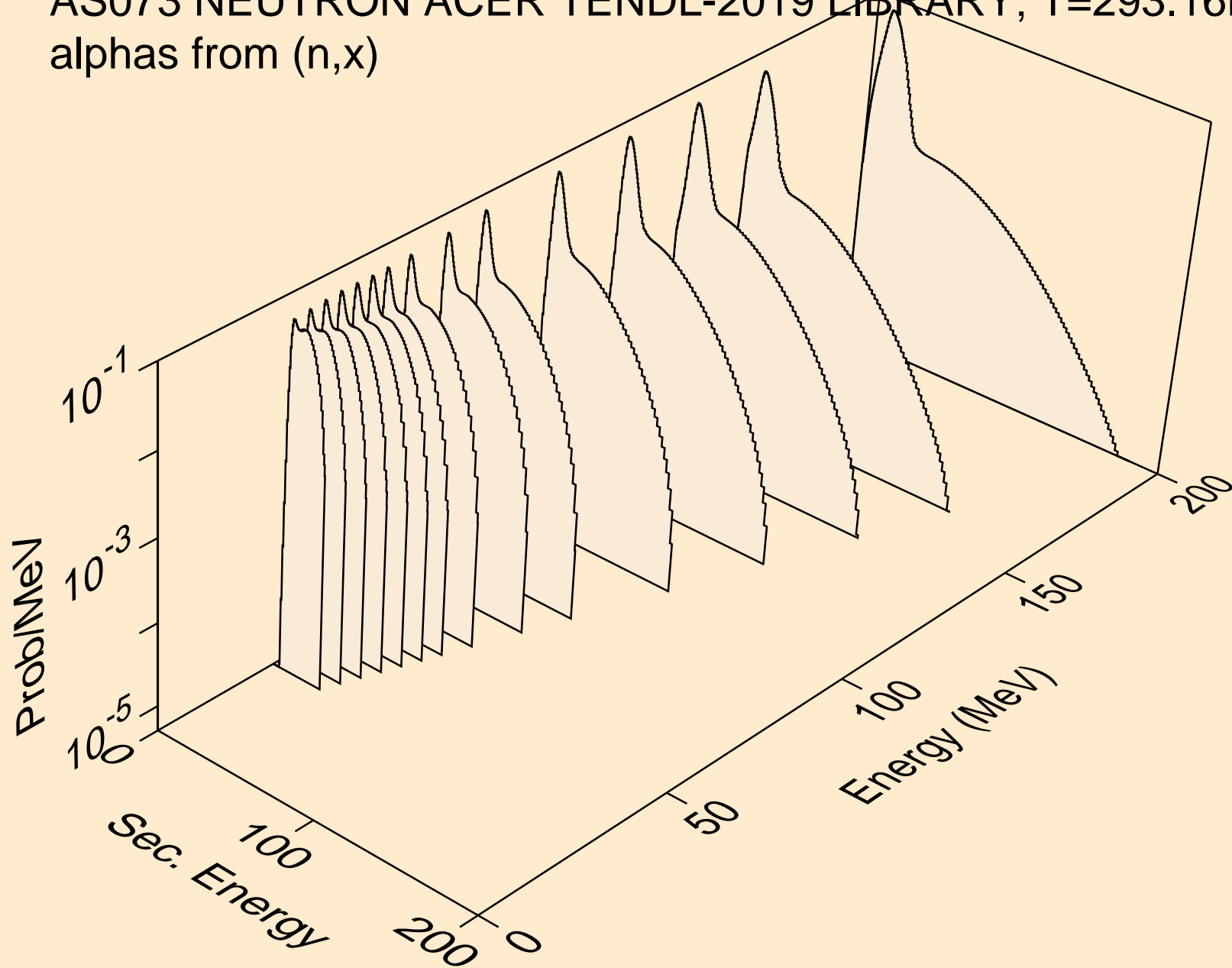
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he3s from (n,n\*)he3



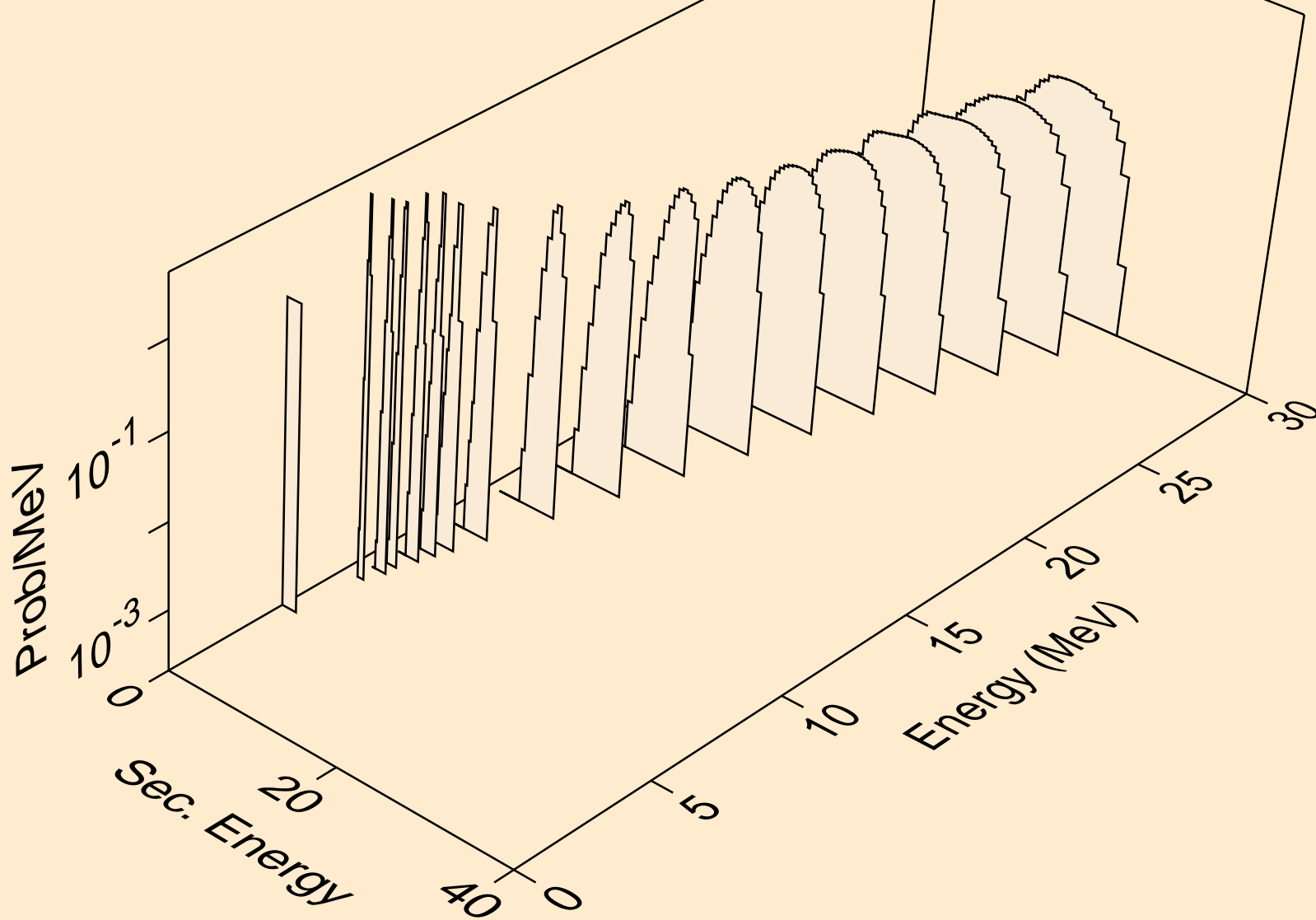
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he3s from (n,he3)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

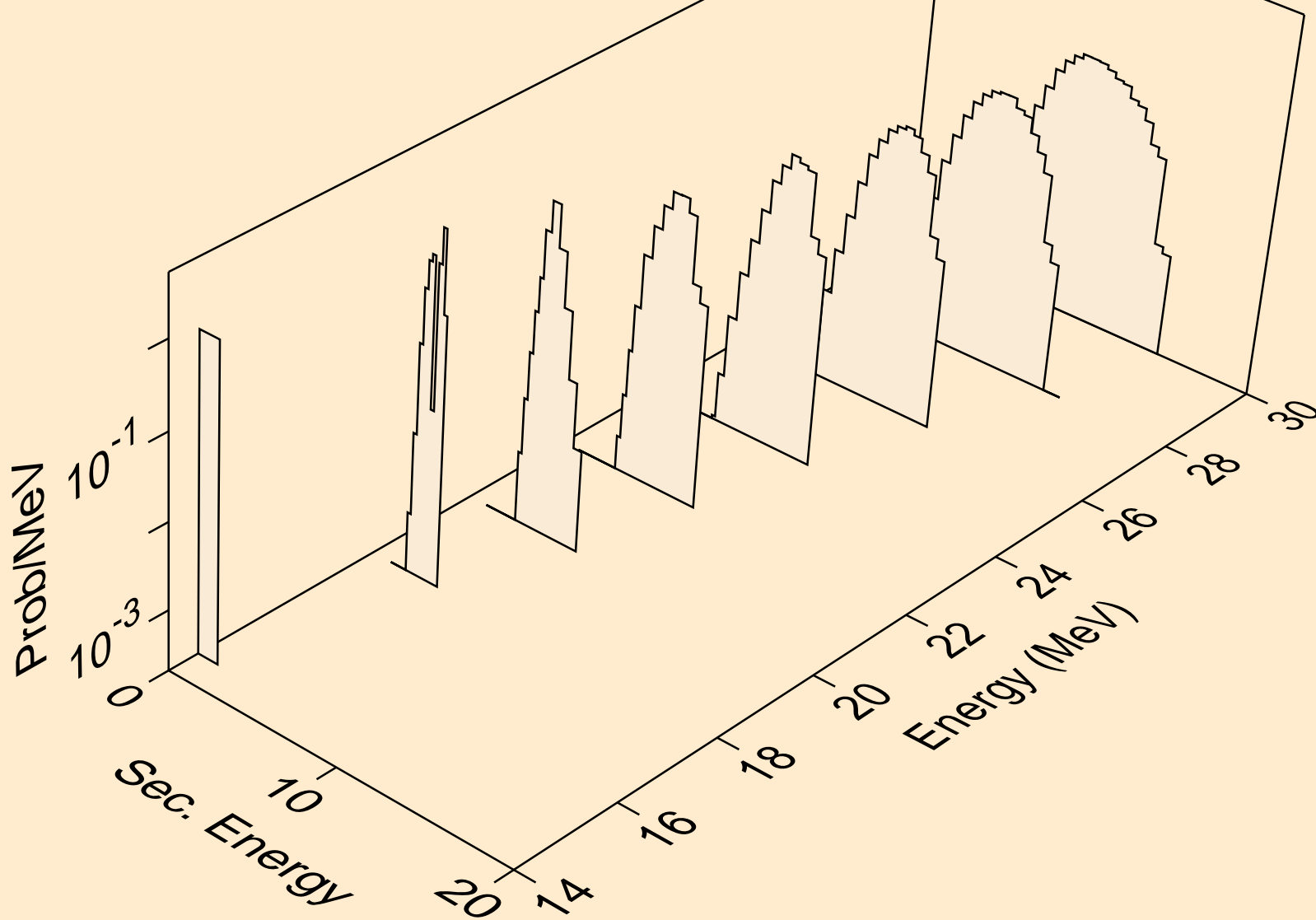


AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

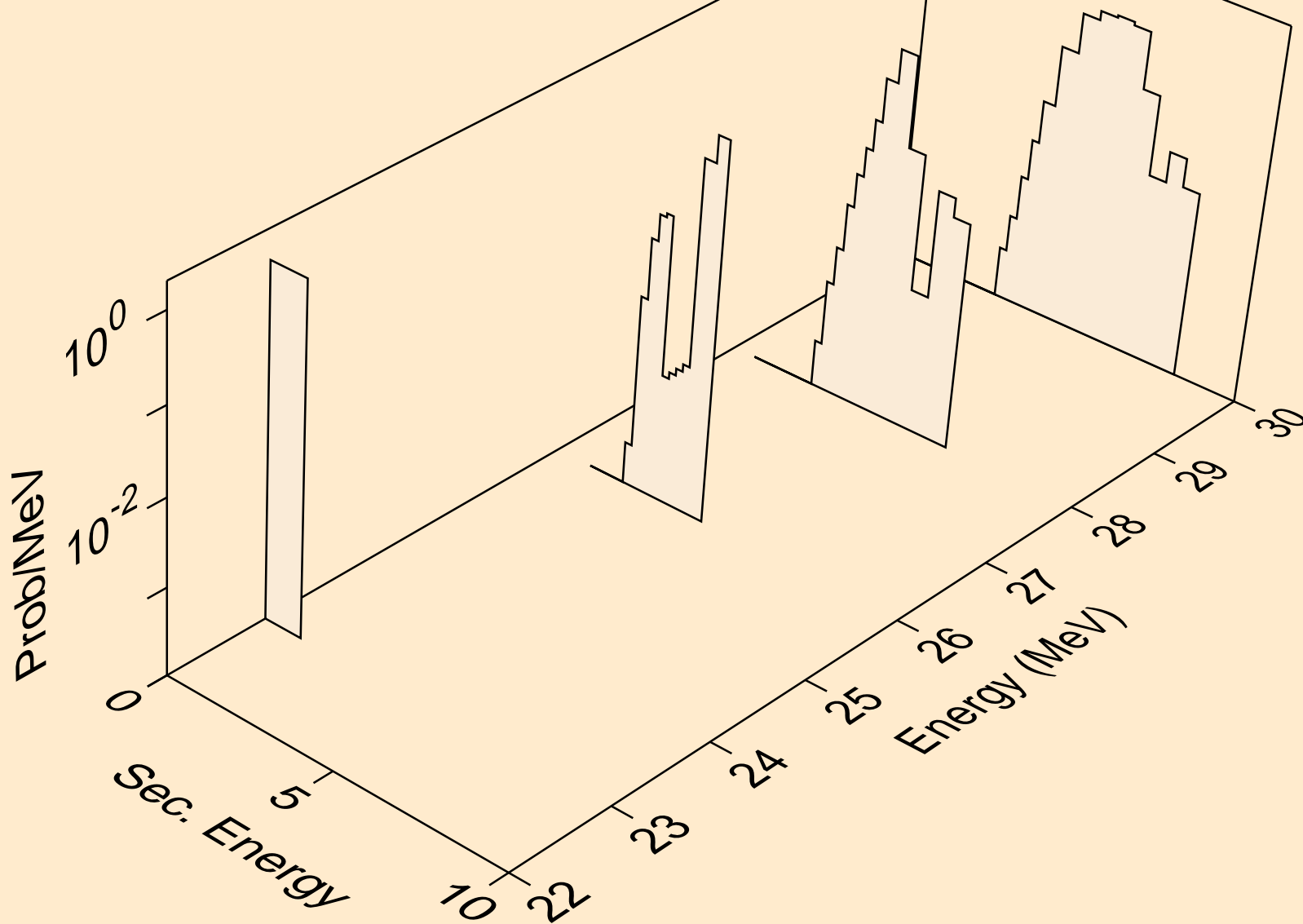




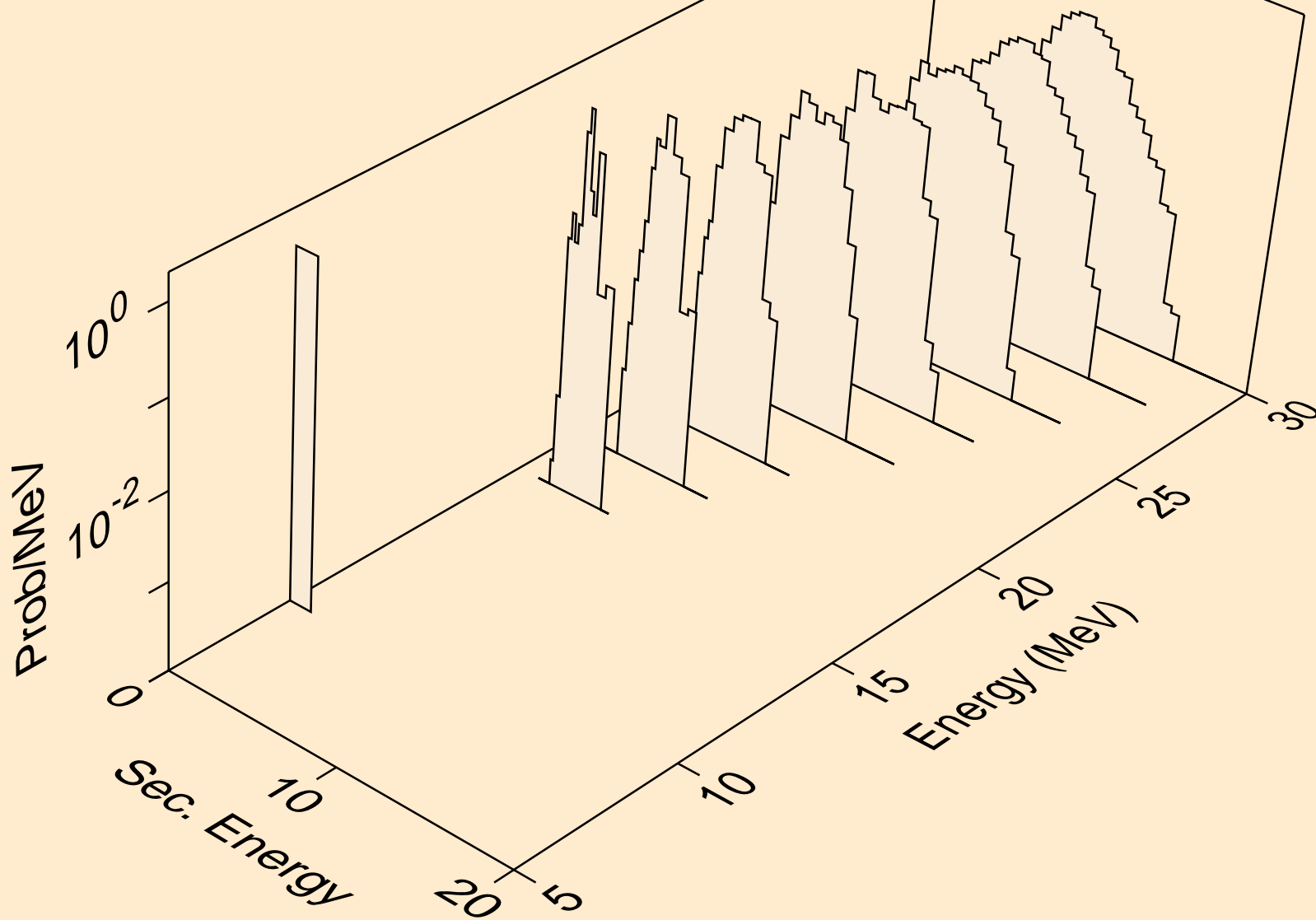
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



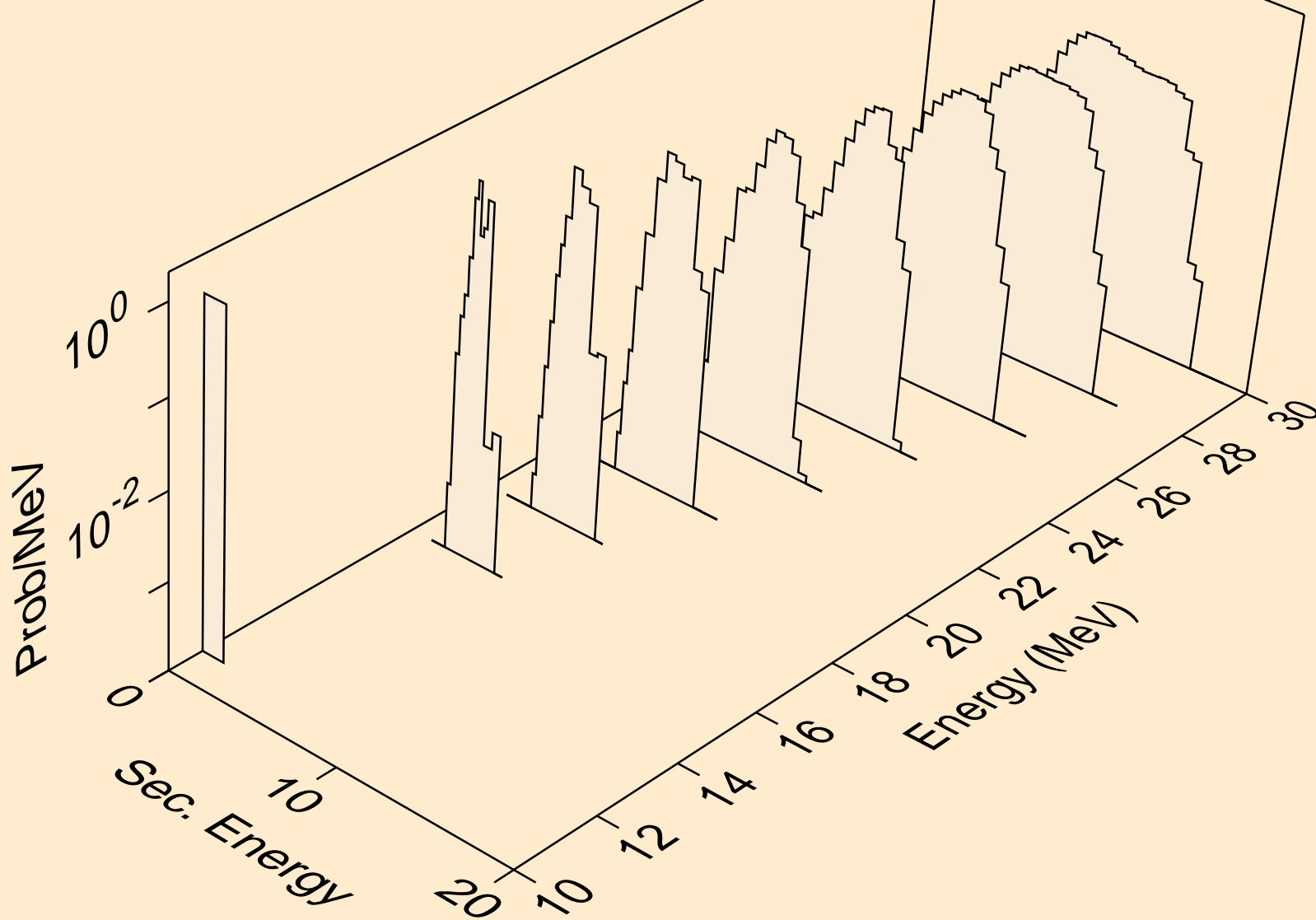
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alphas from (n,3n)a



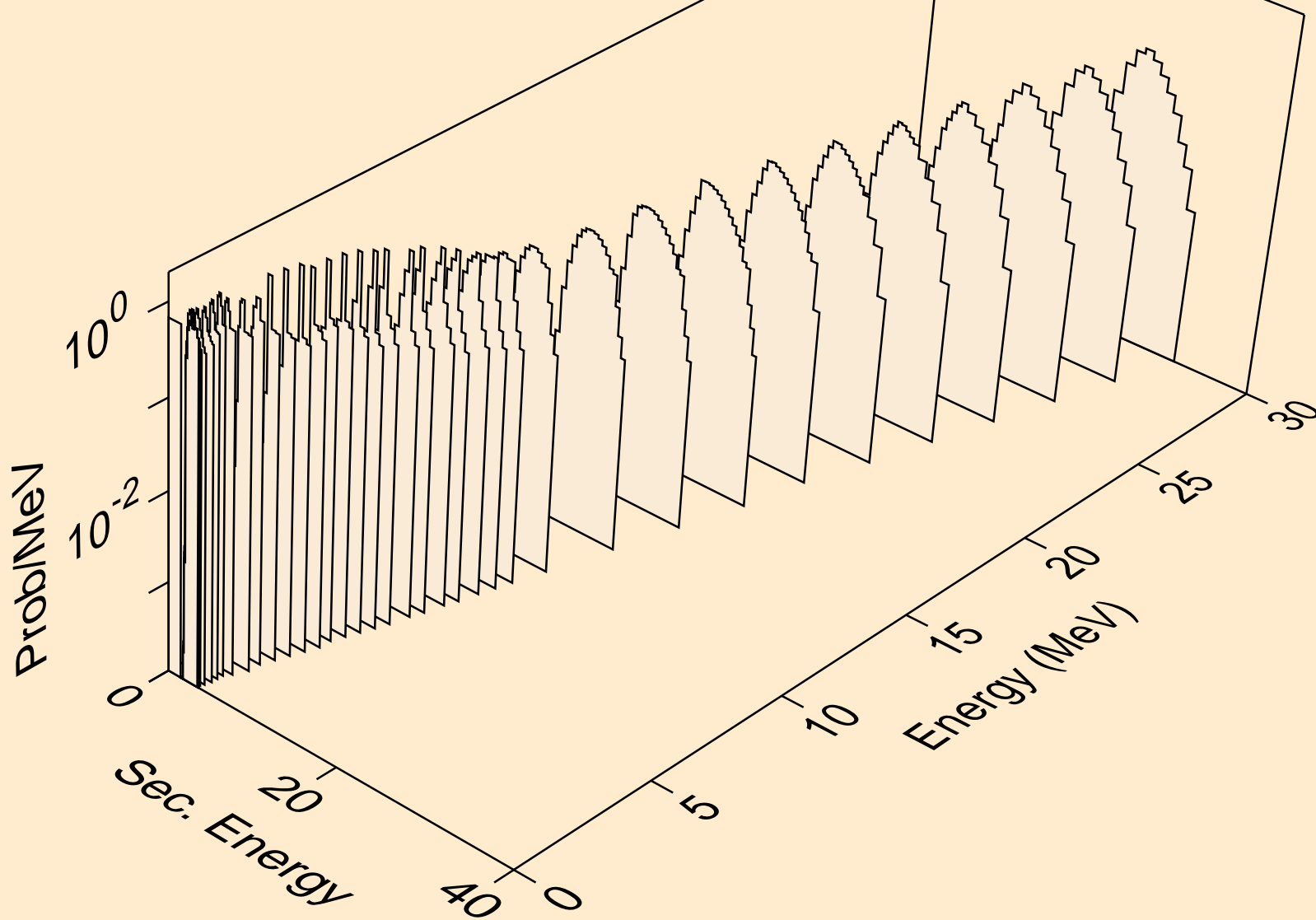
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



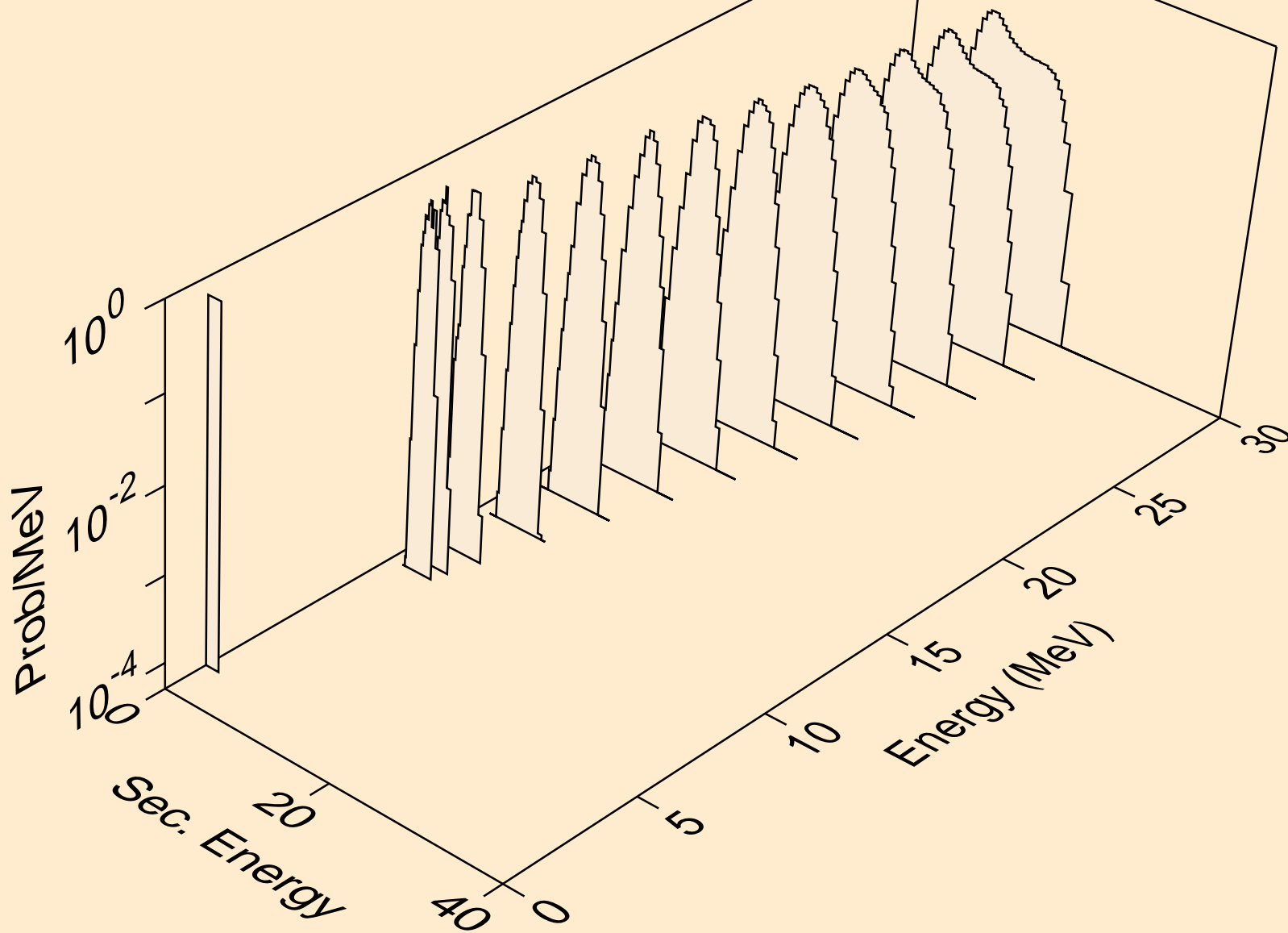
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



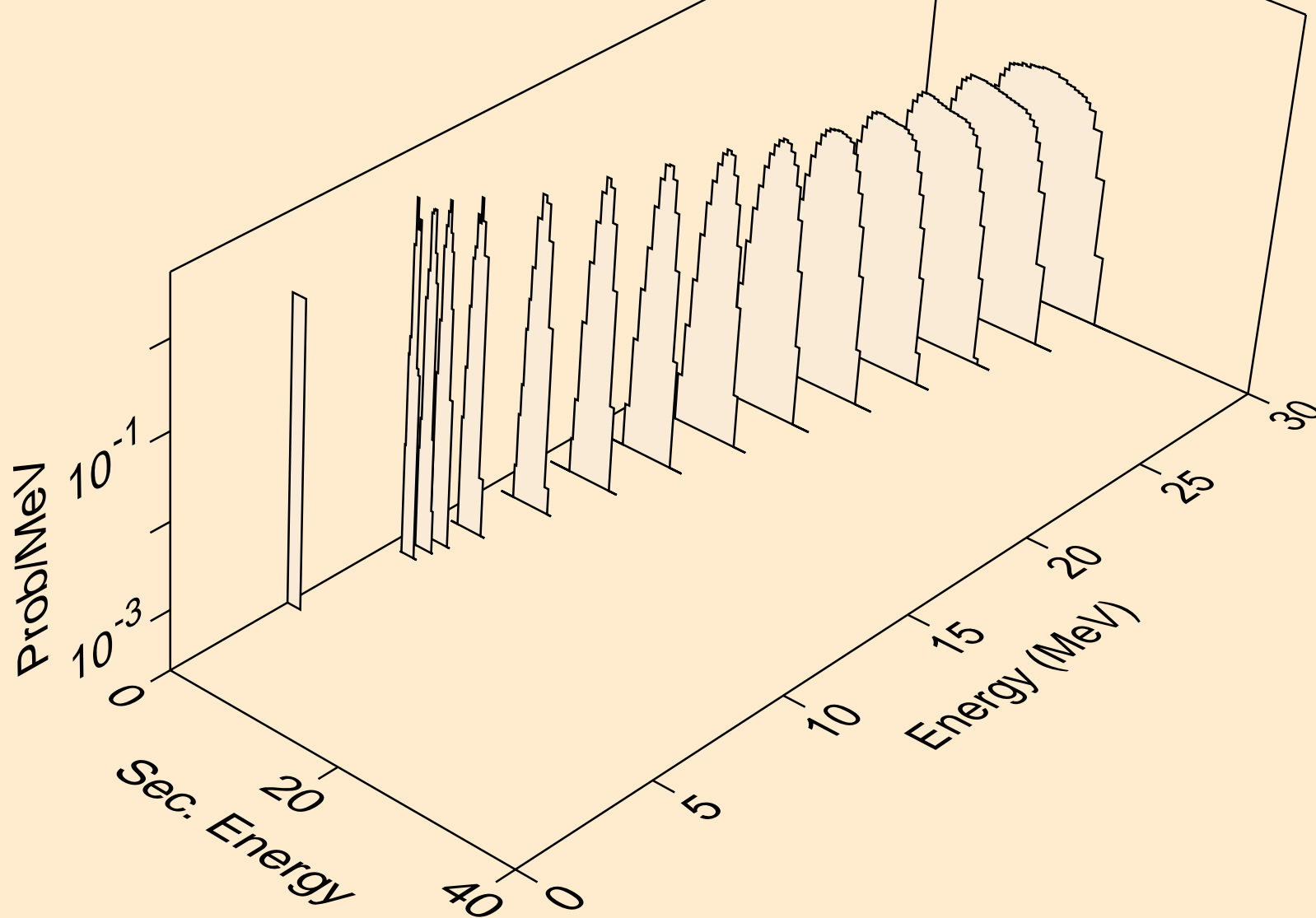
AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



AS073 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

