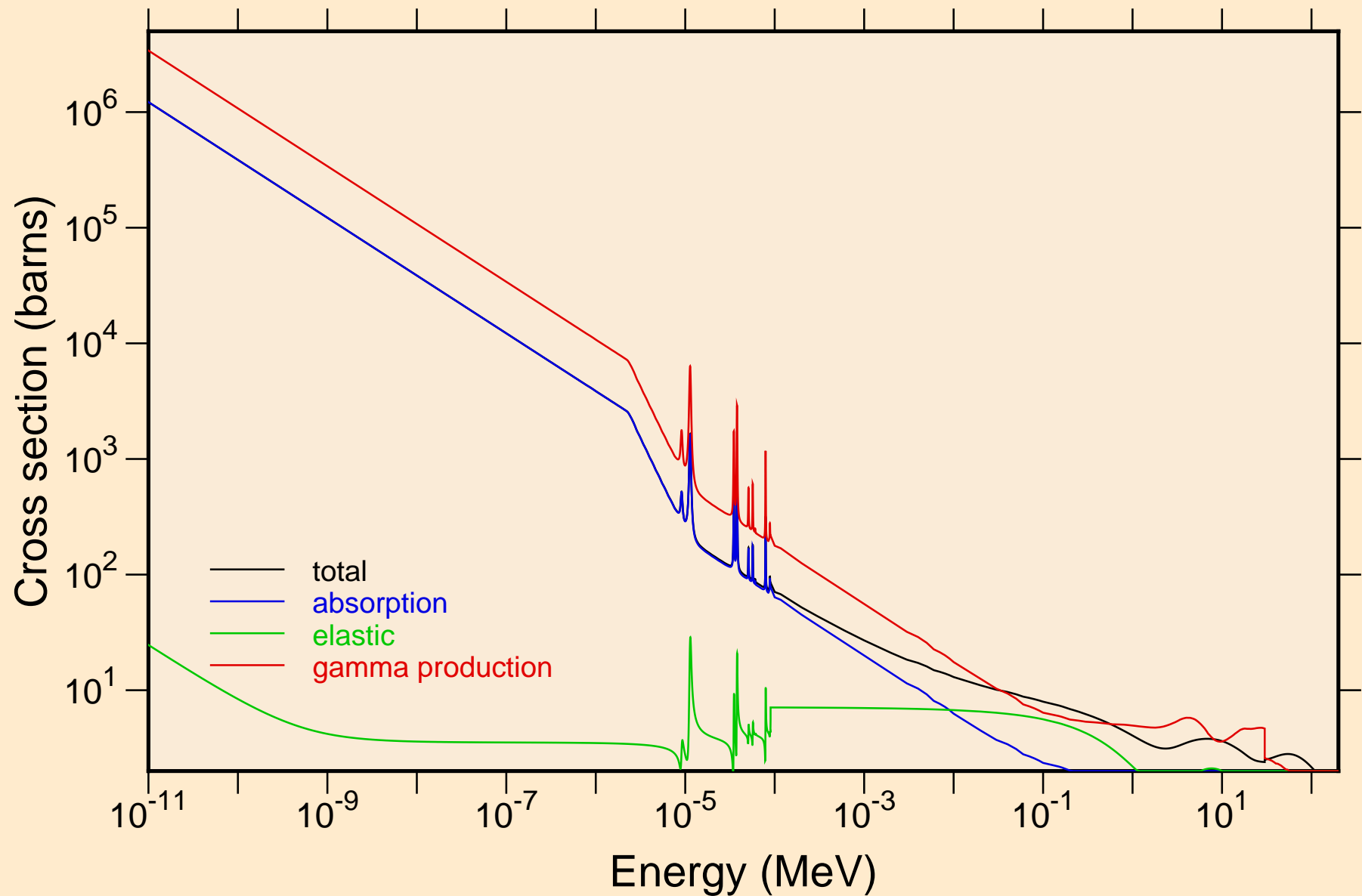
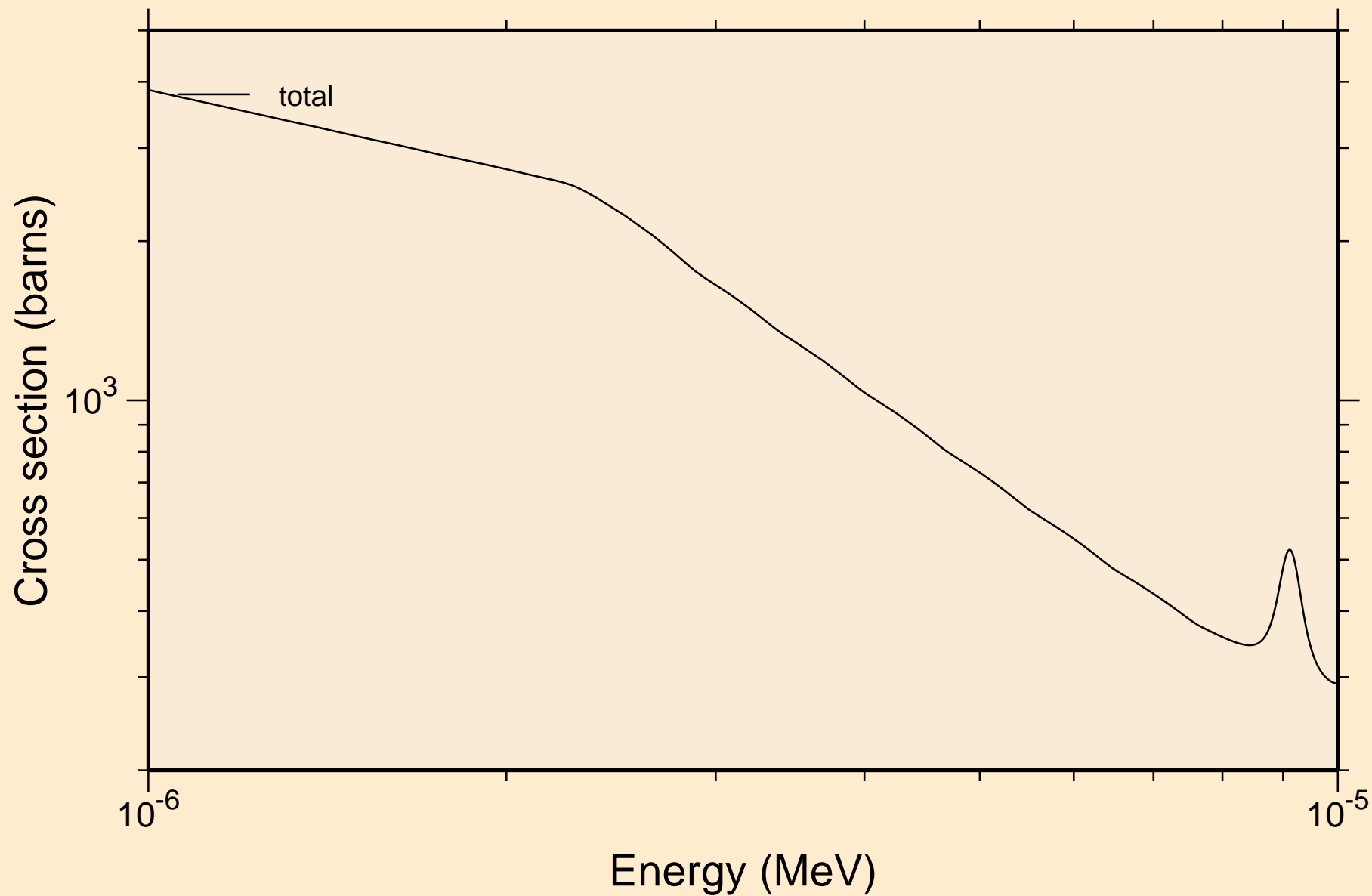


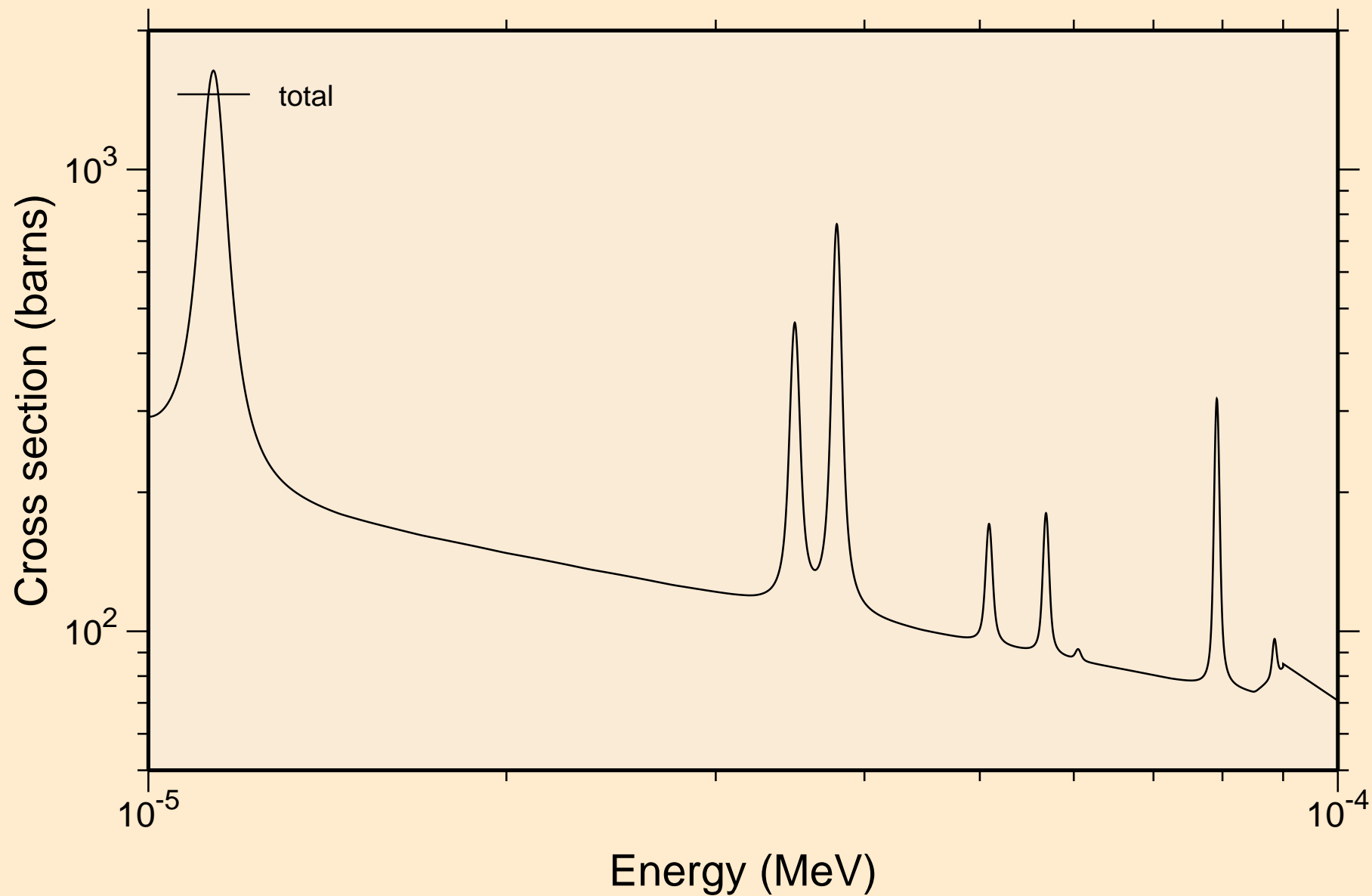
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



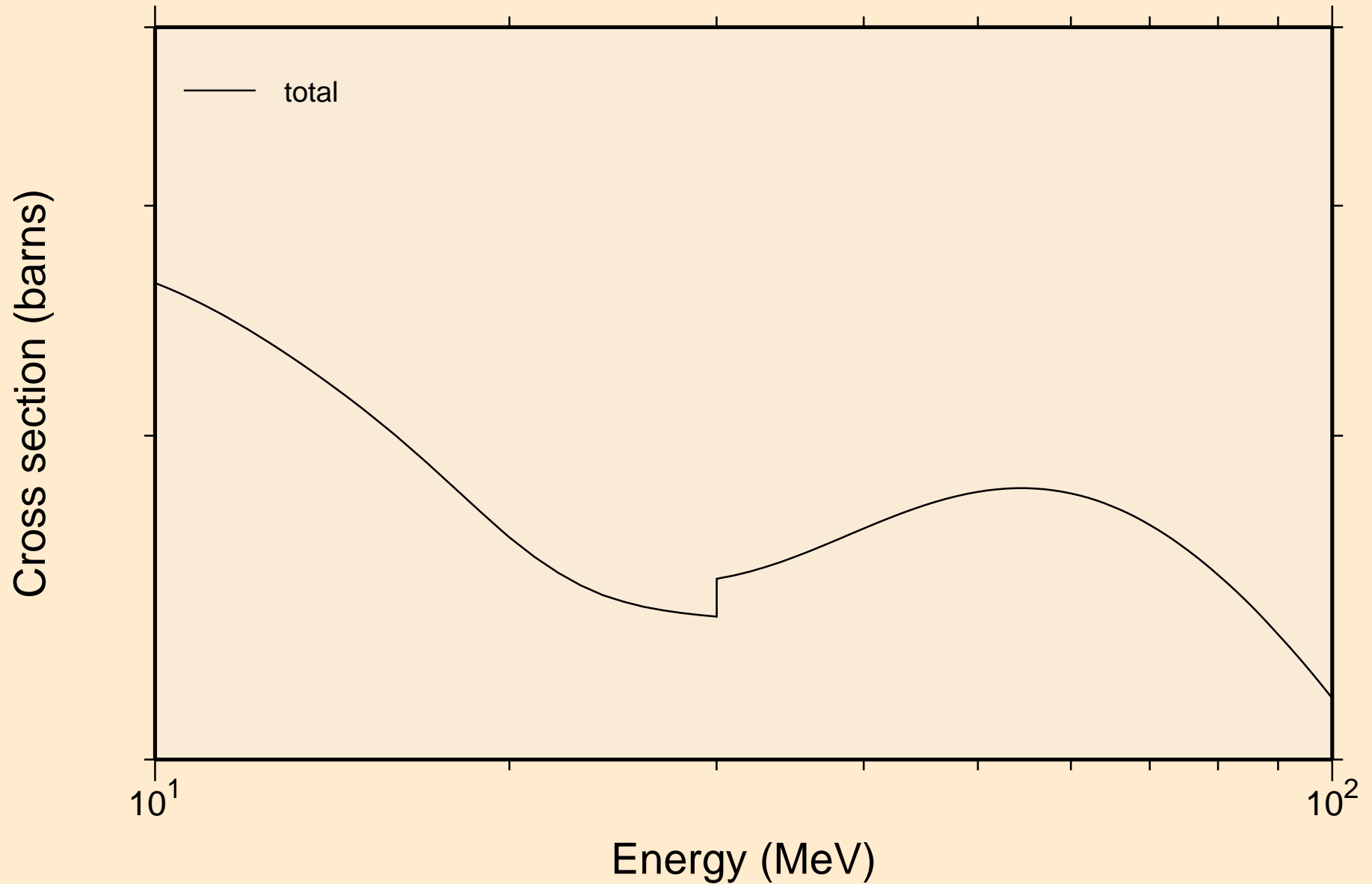
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



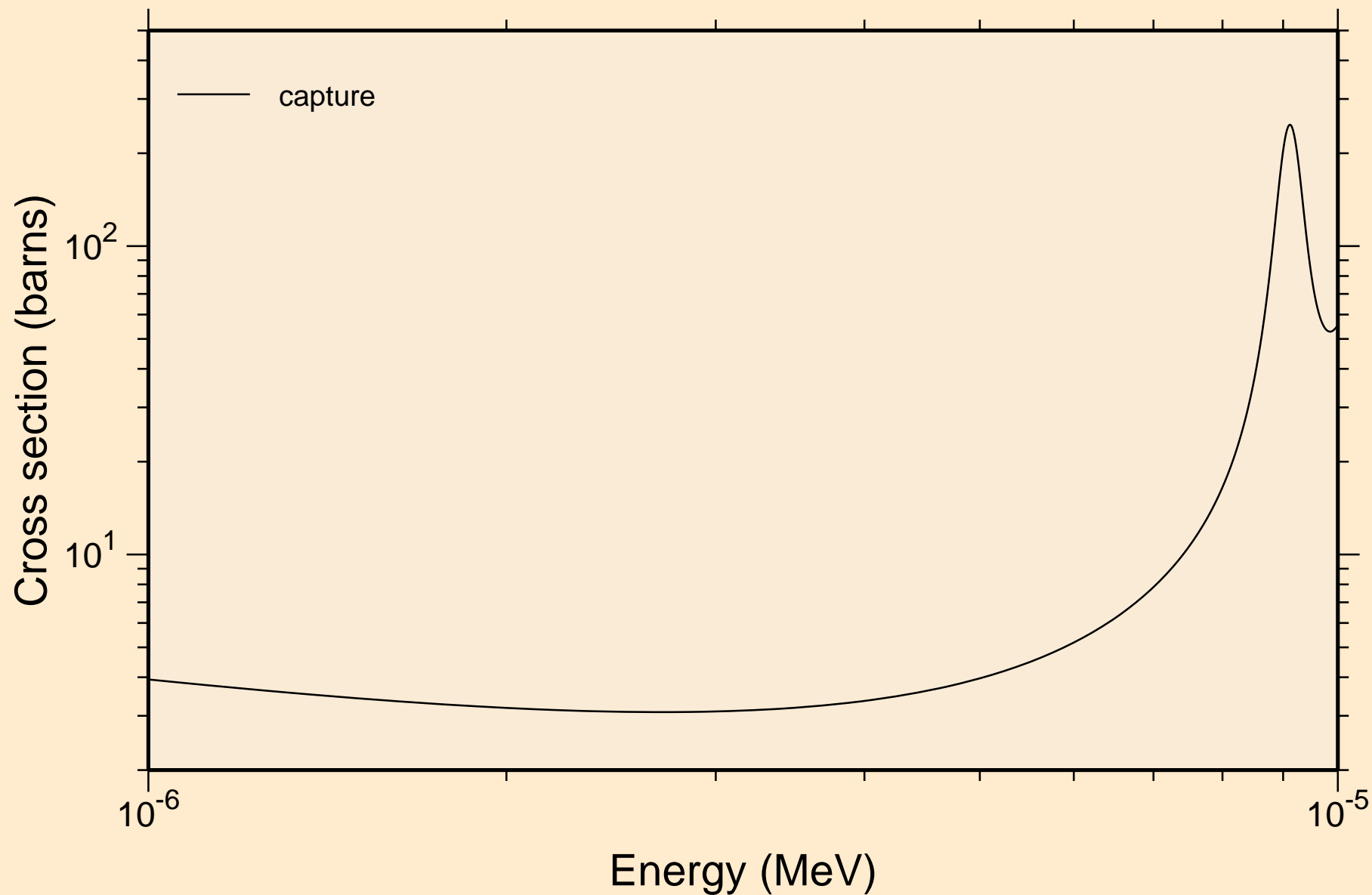
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



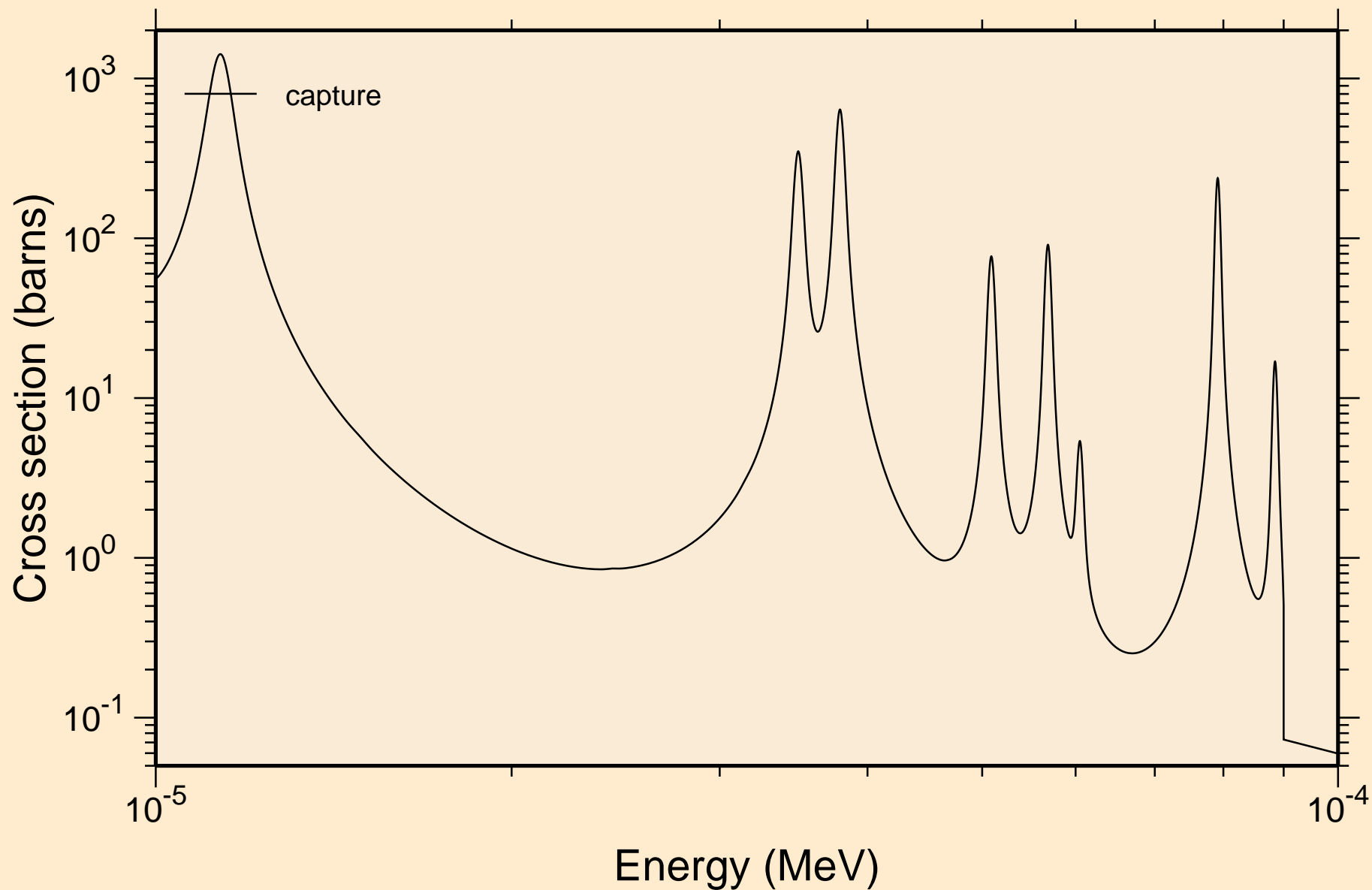
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resonance total cross section



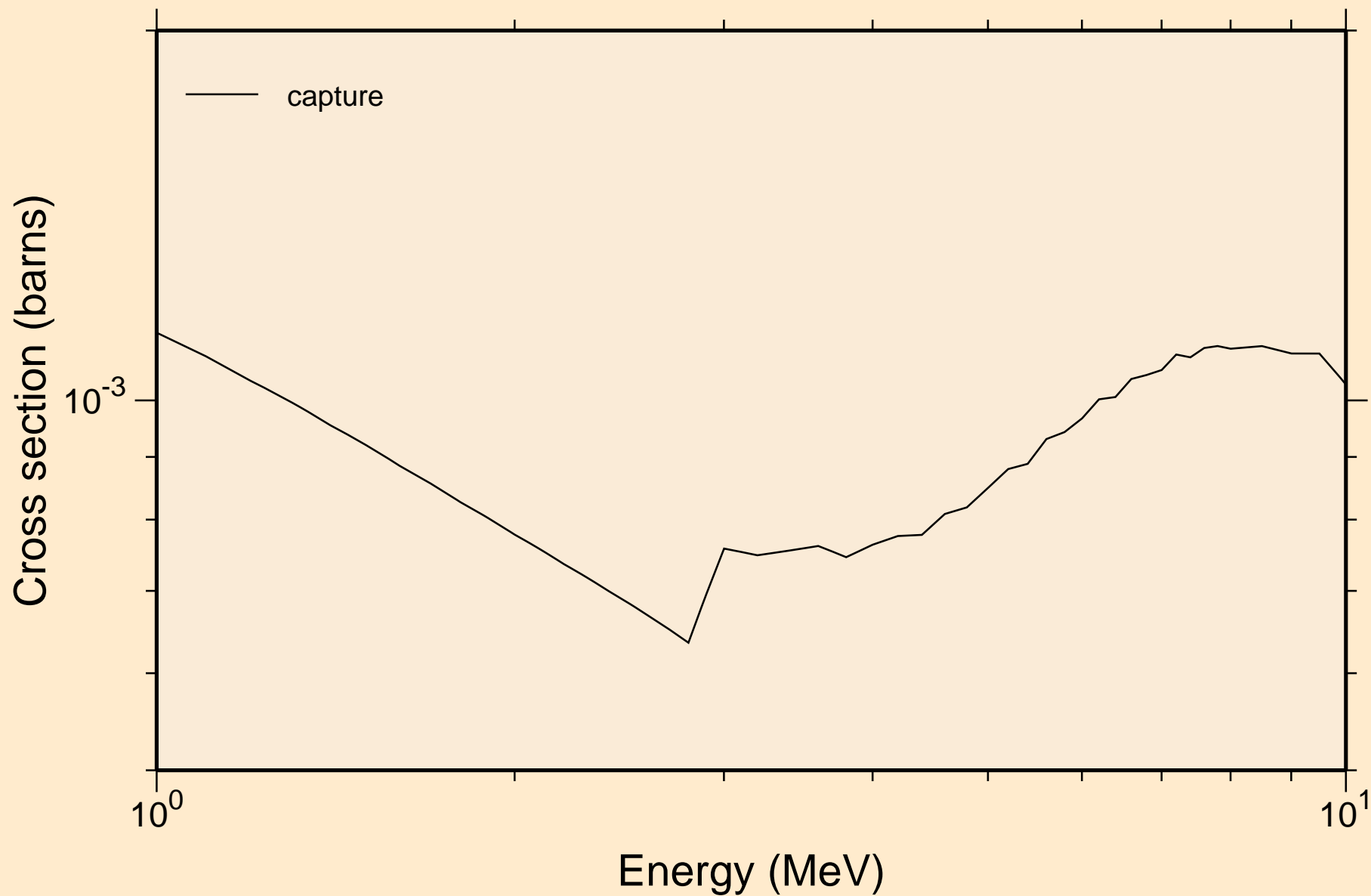
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



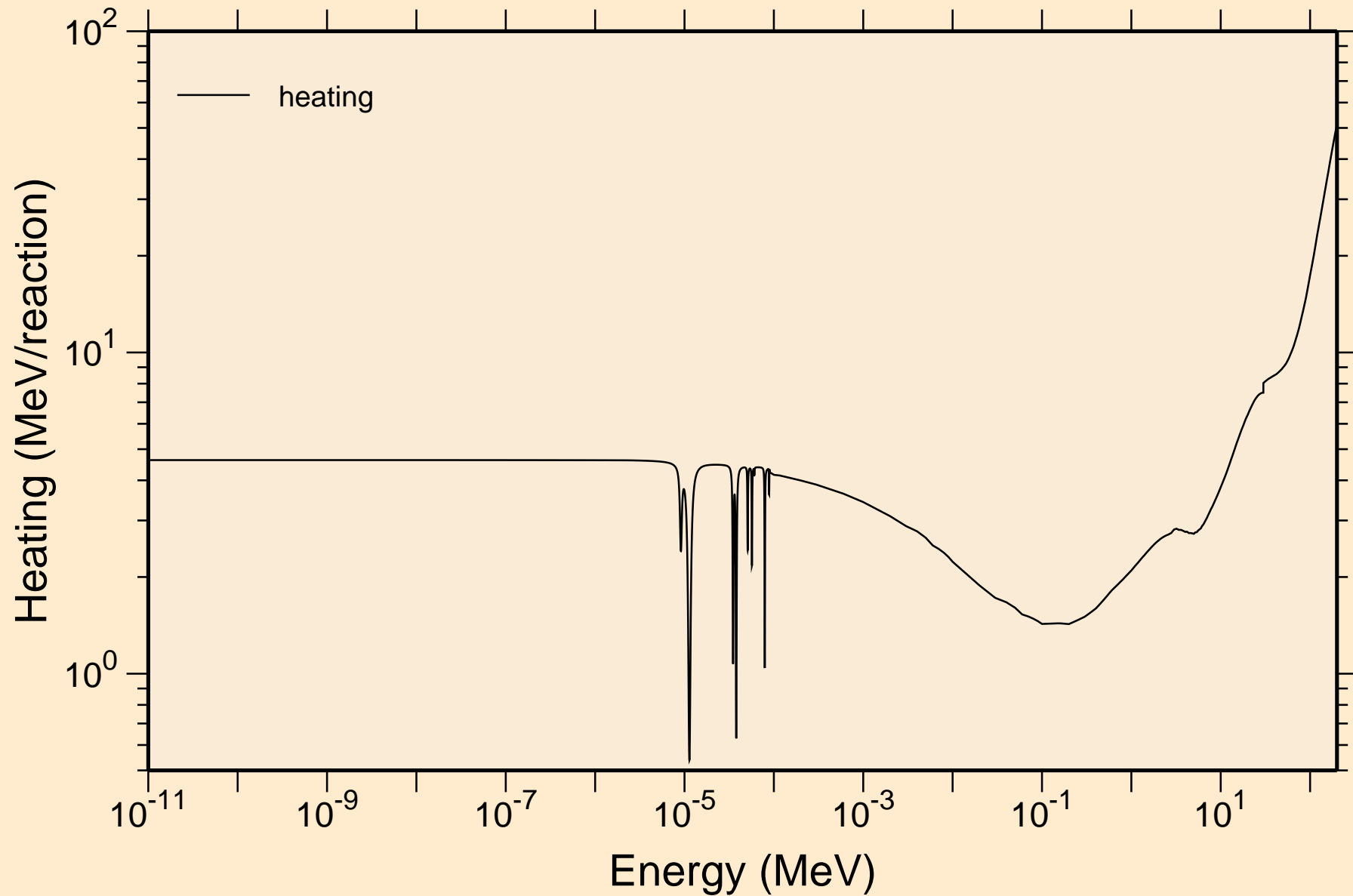
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

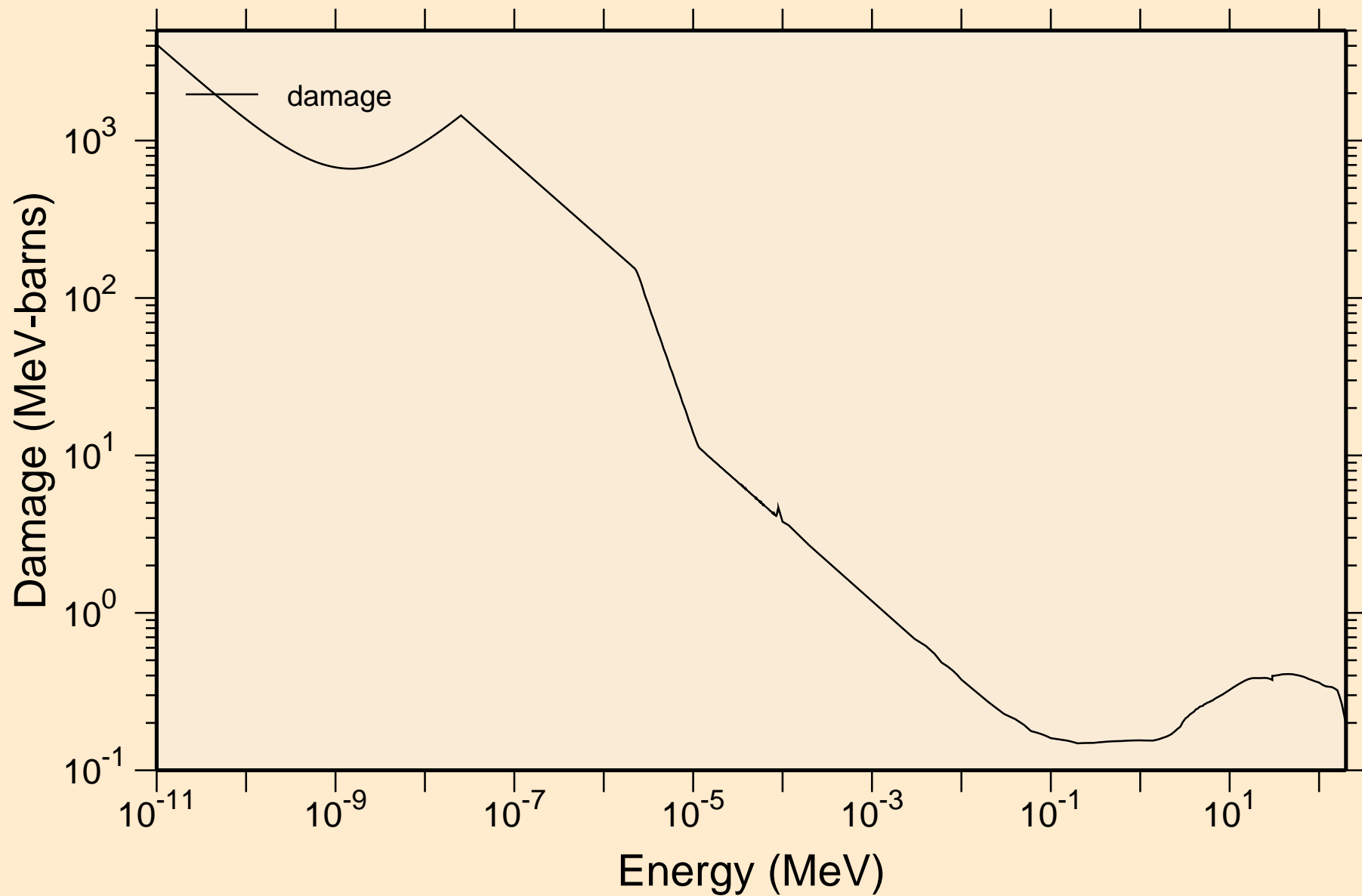


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

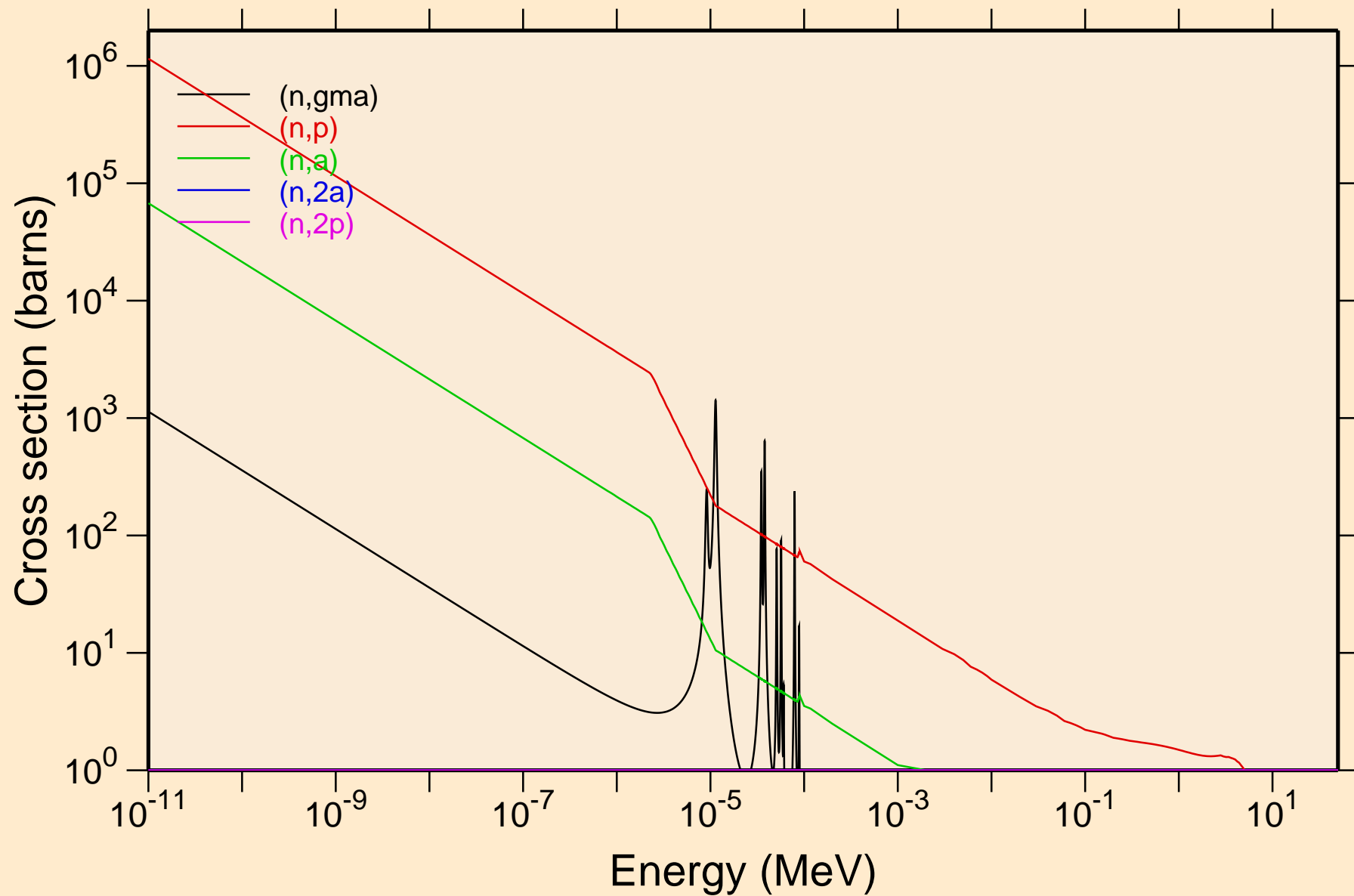




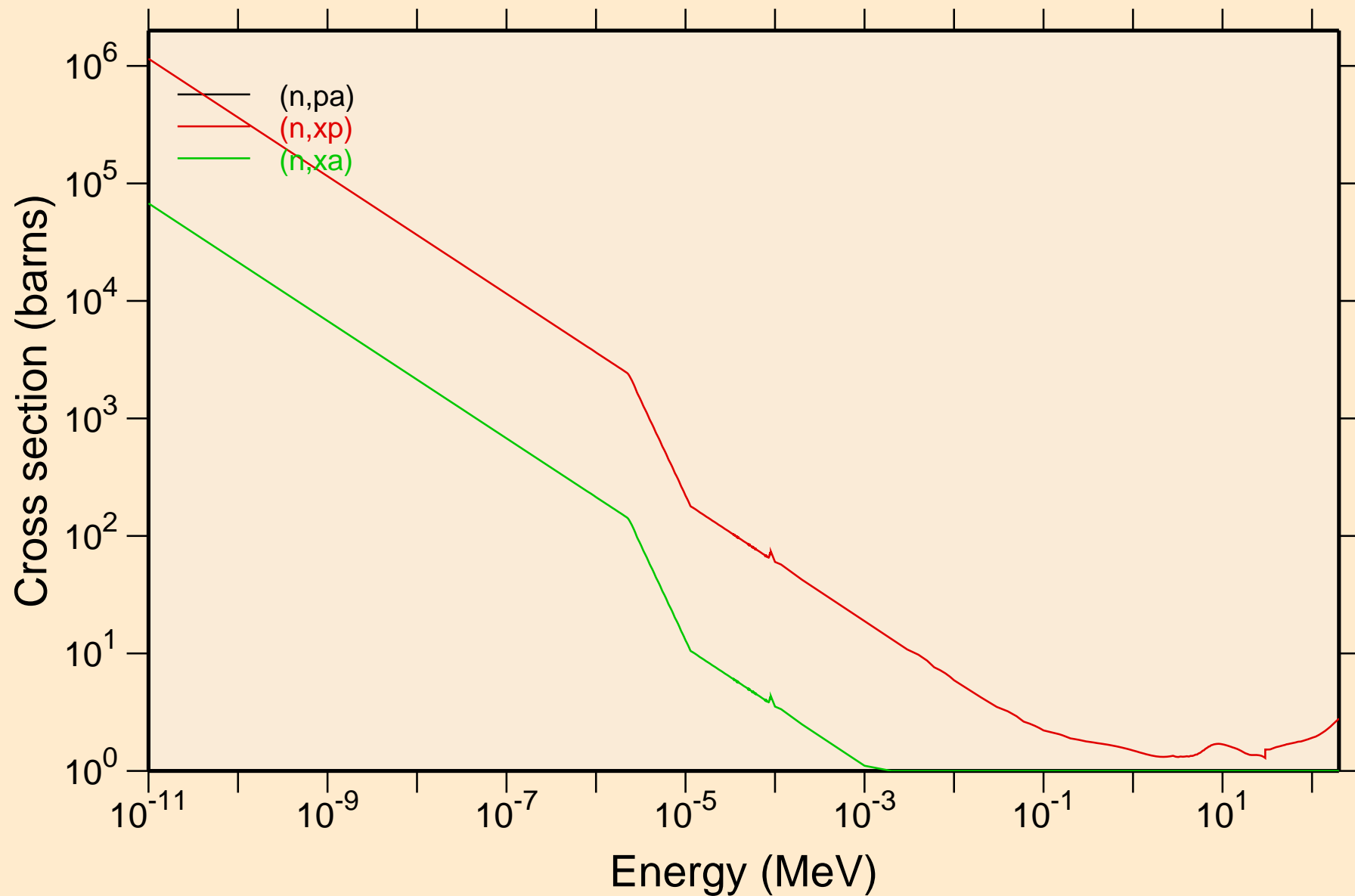
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Damage



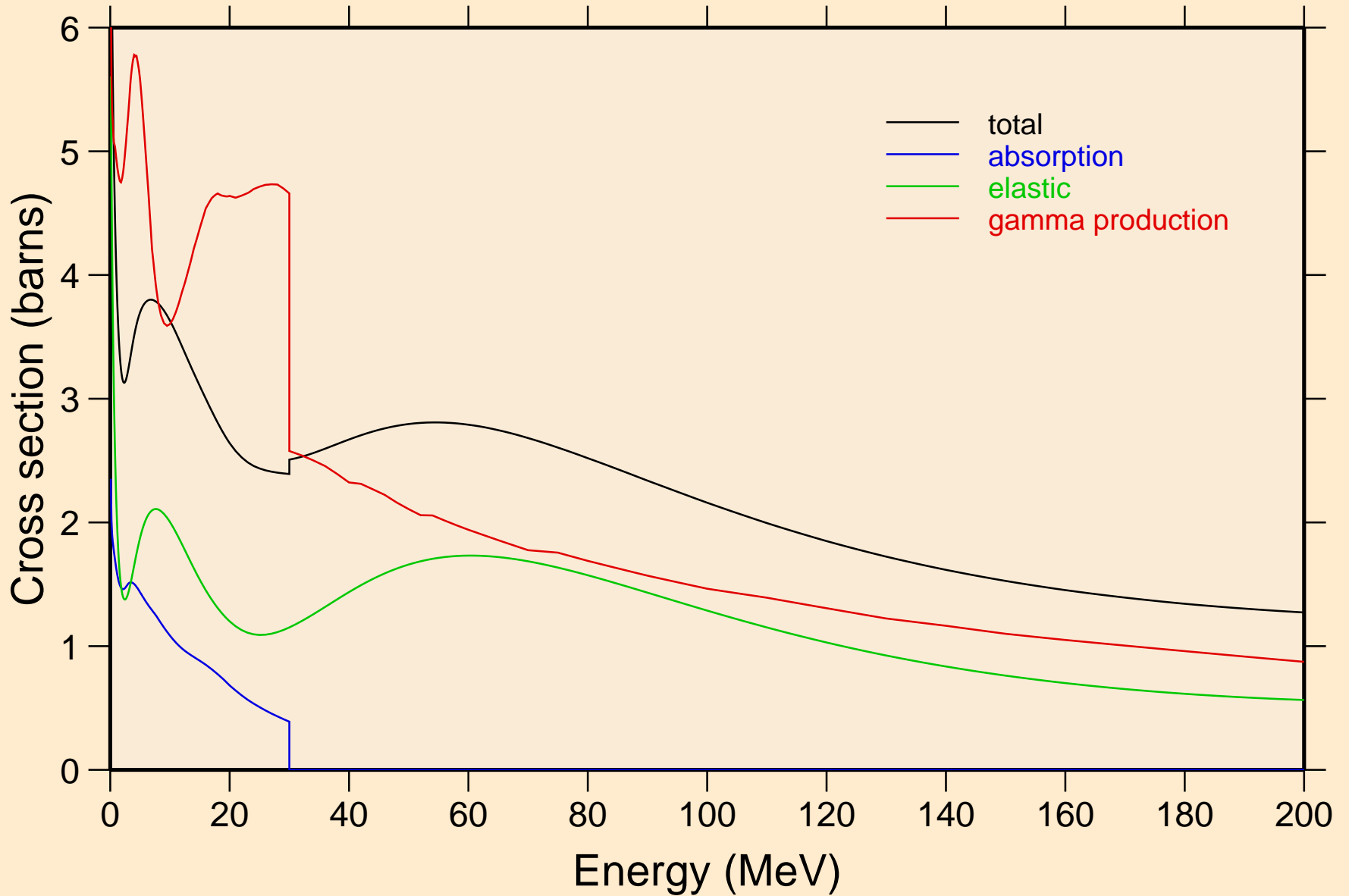
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



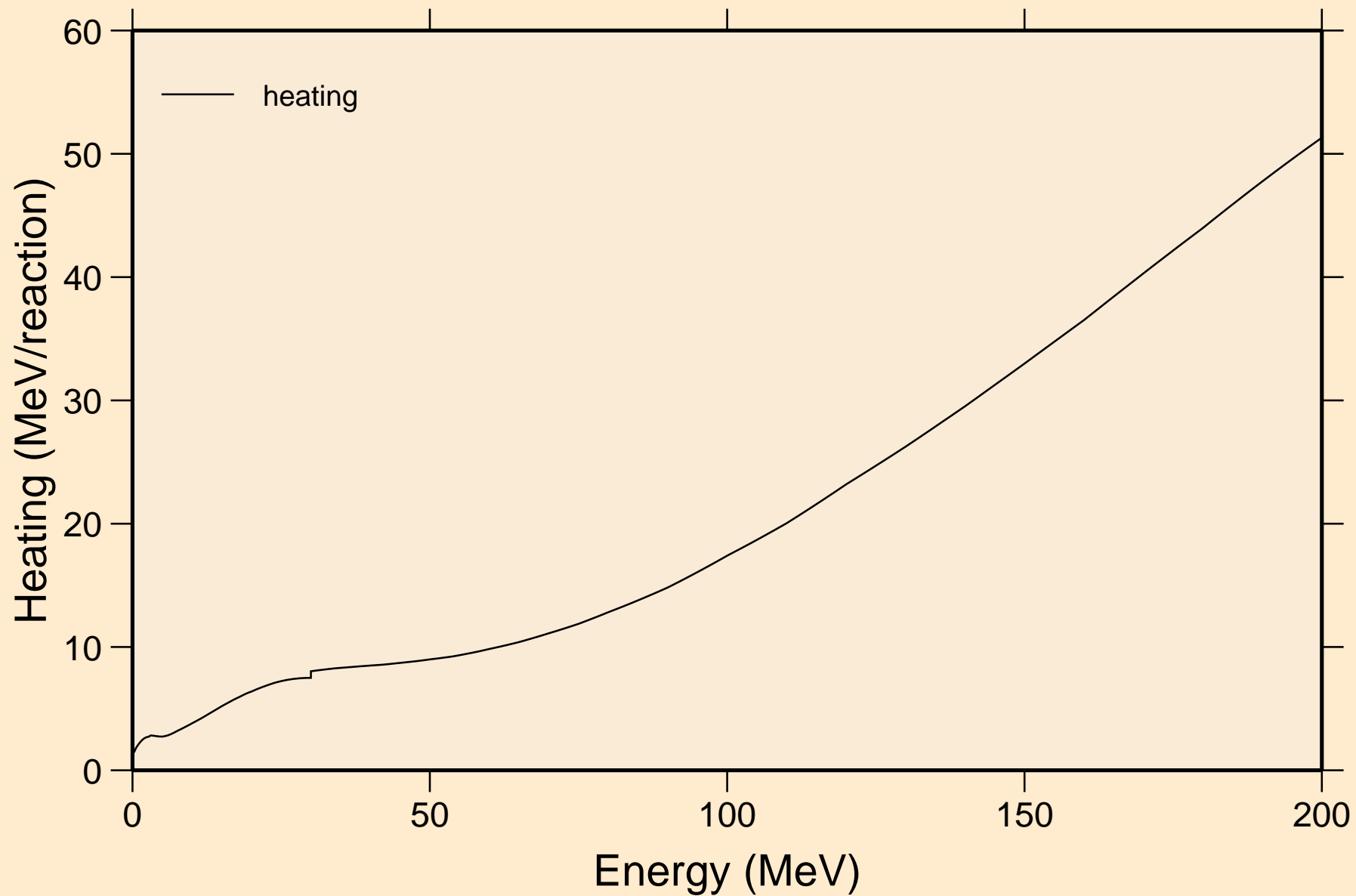
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Non-threshold reactions



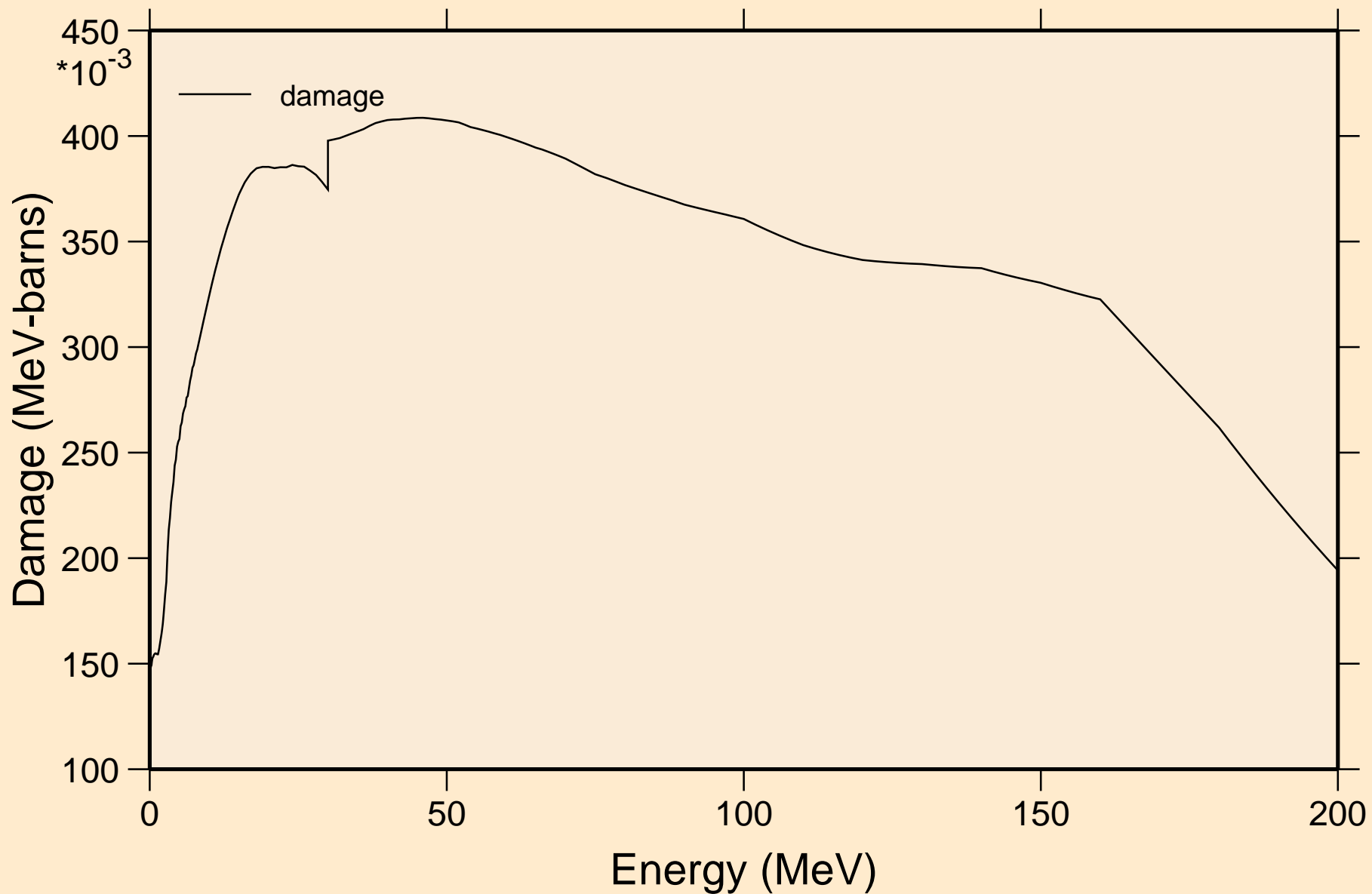
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Principal cross sections



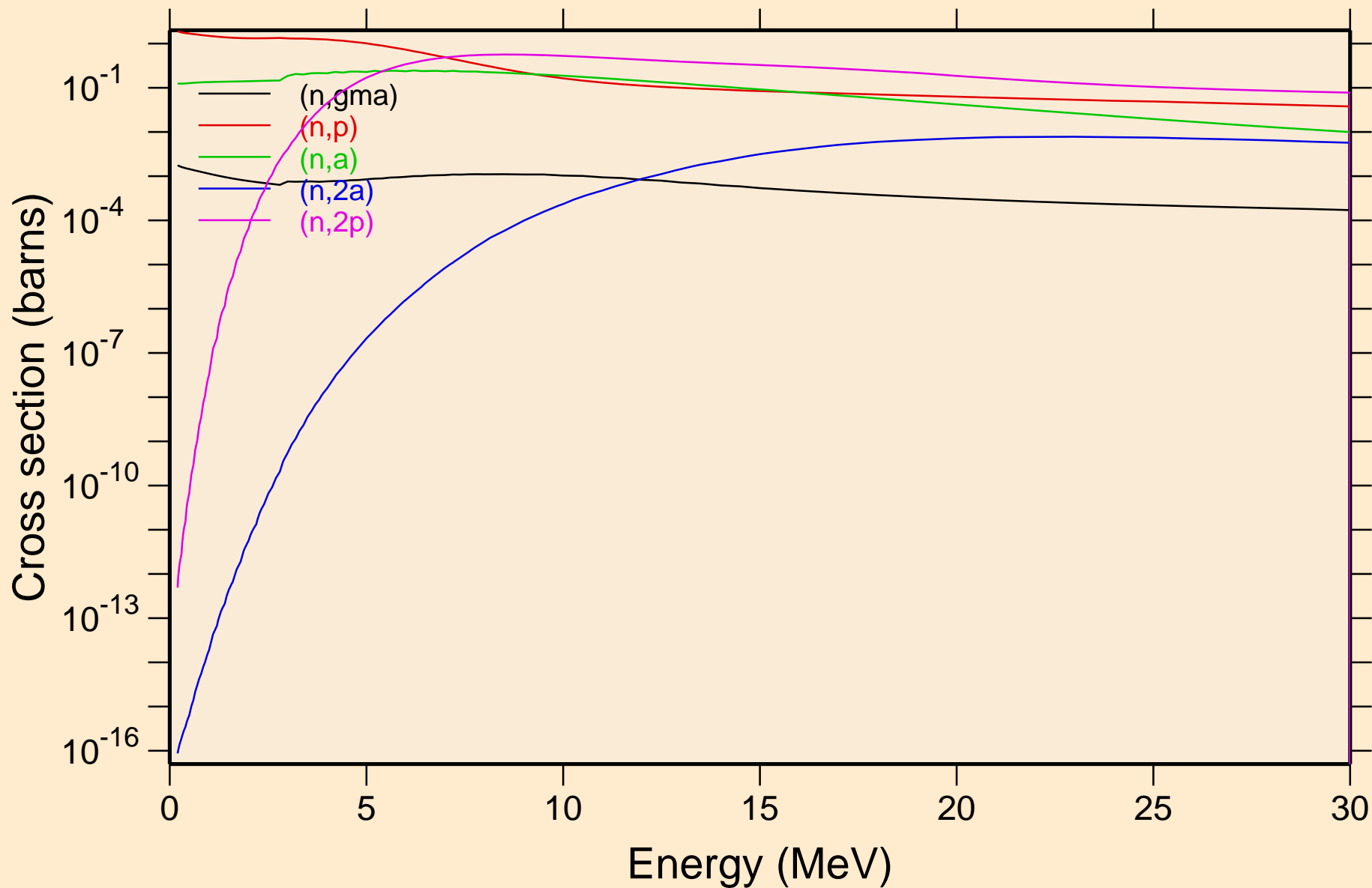
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



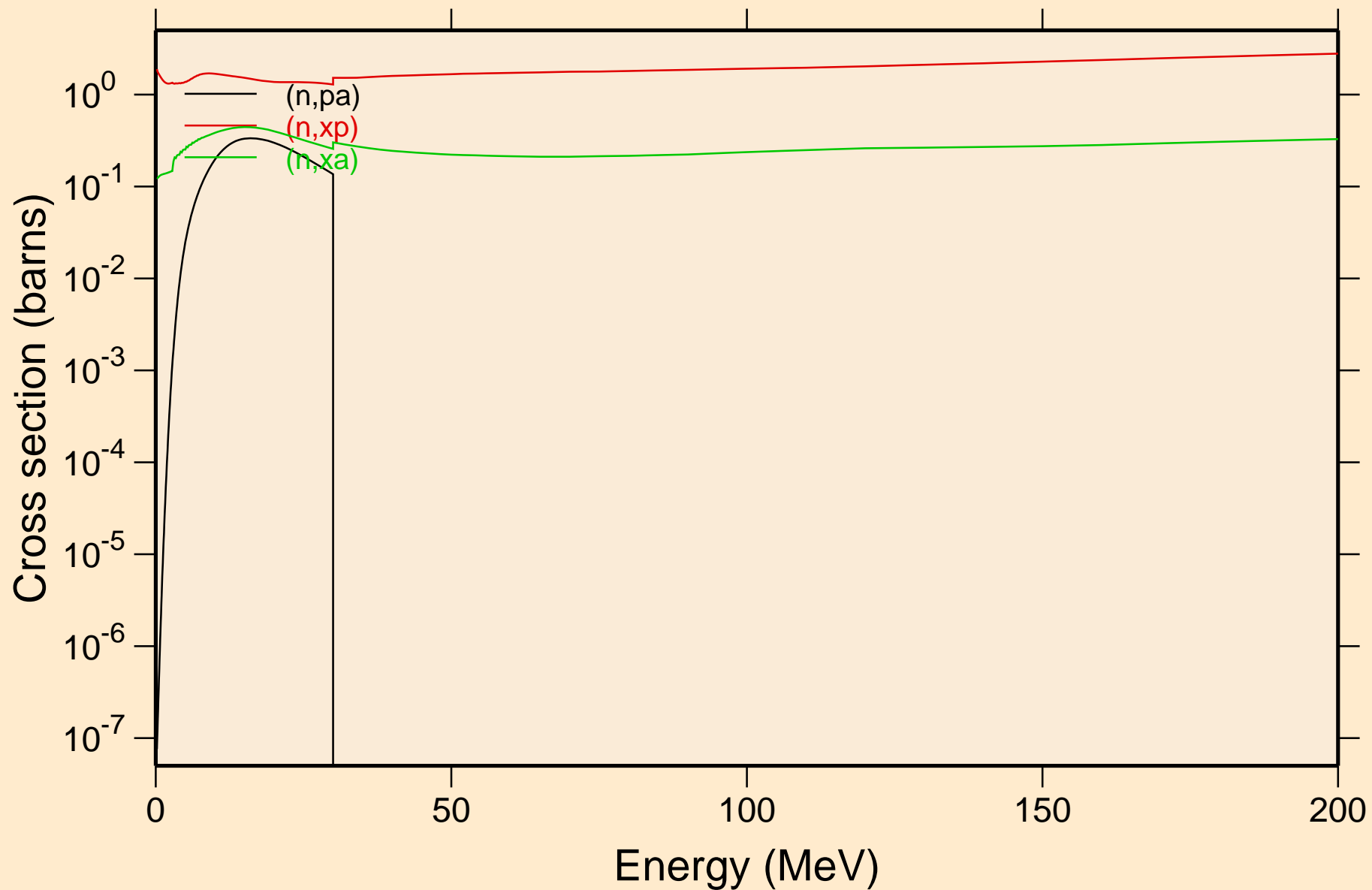
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

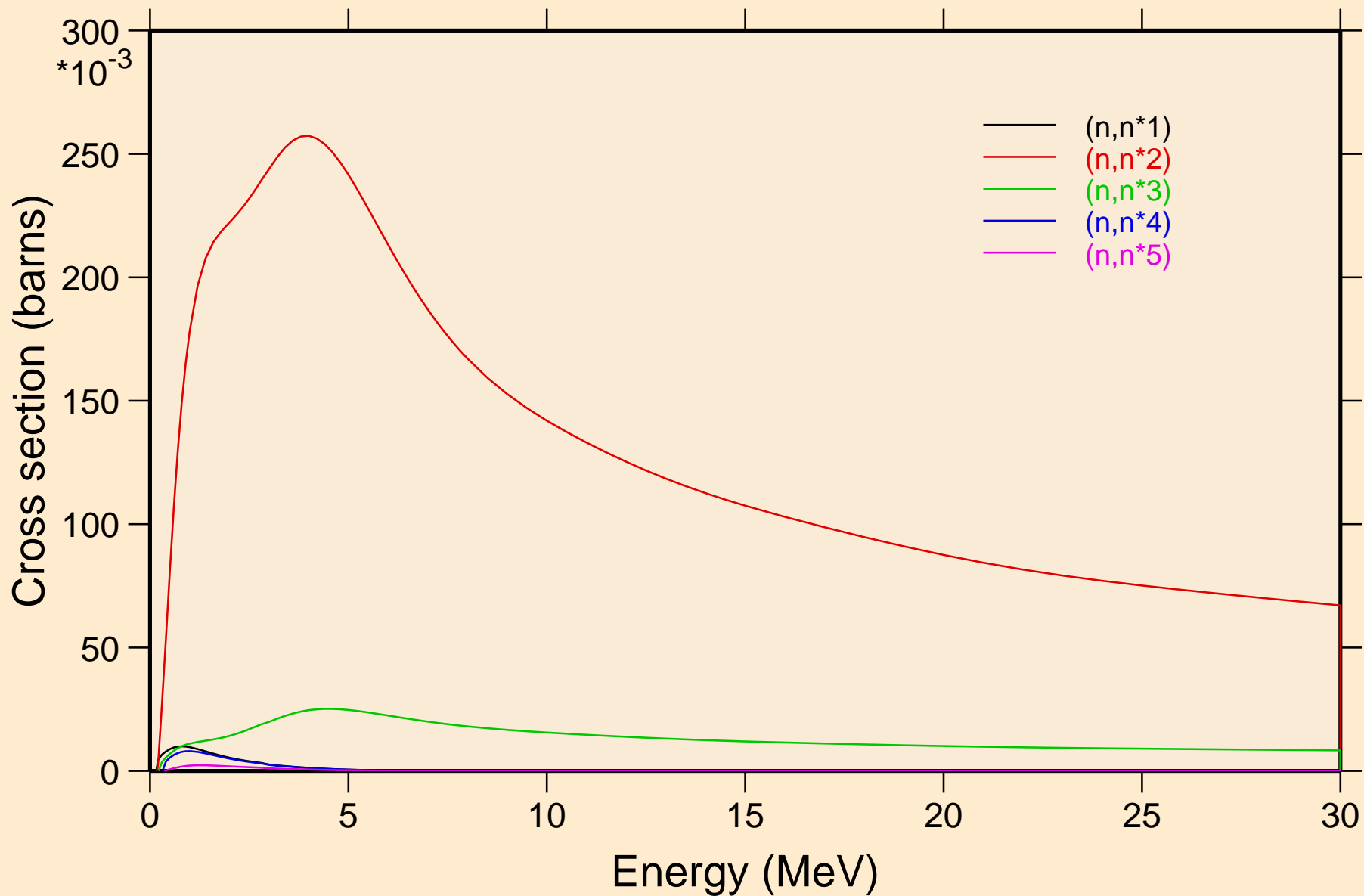


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Non-threshold reactions

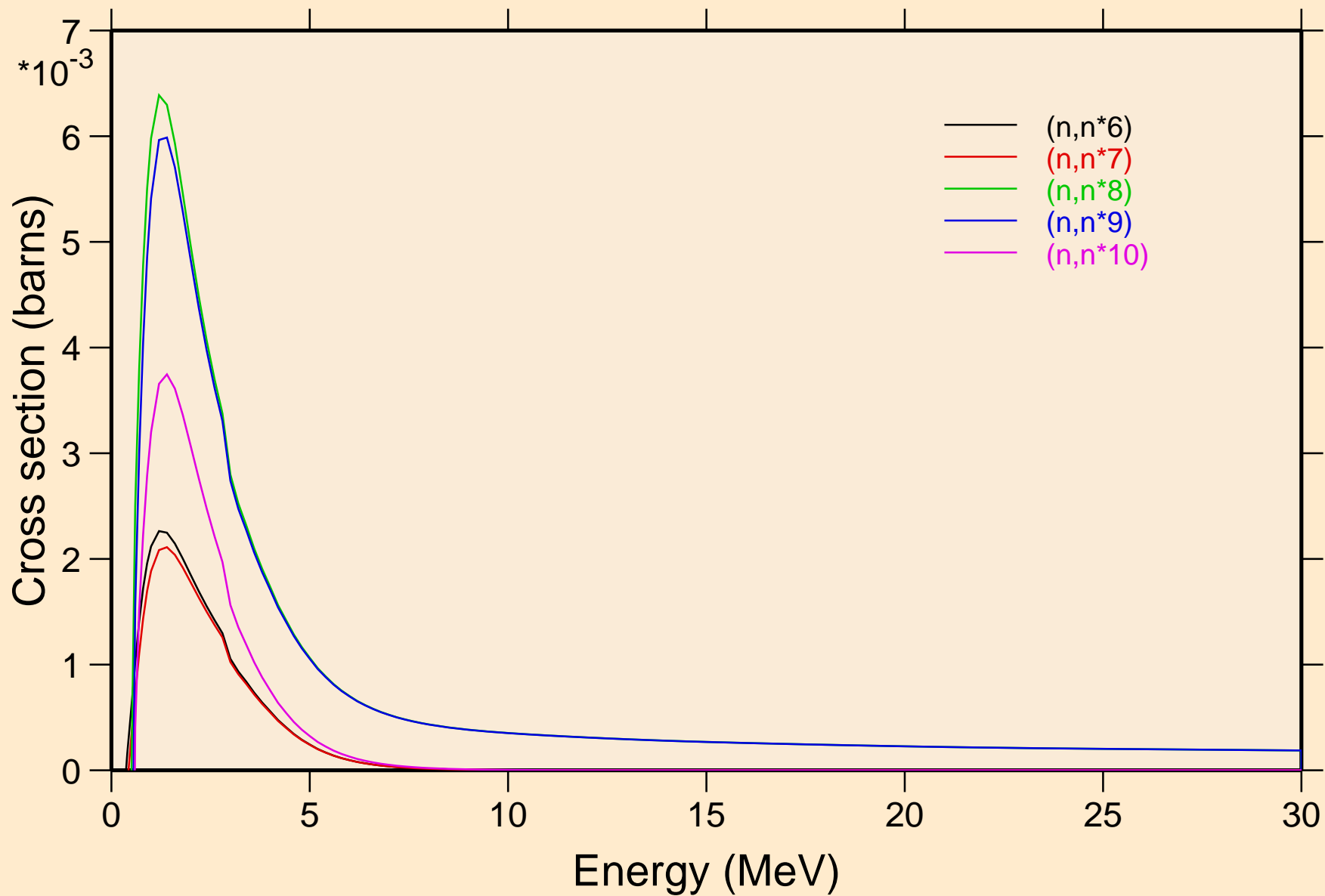




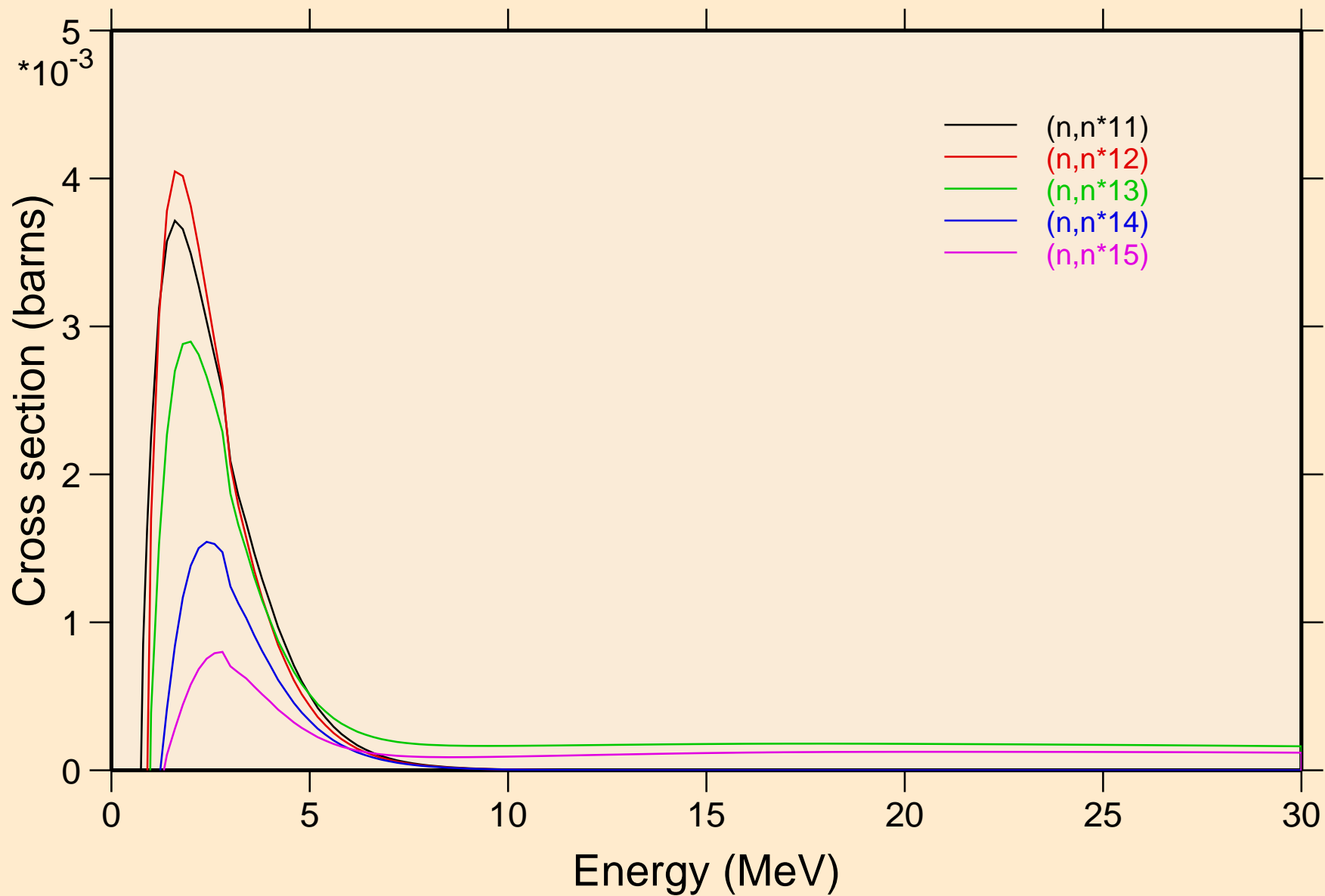
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Inelastic levels



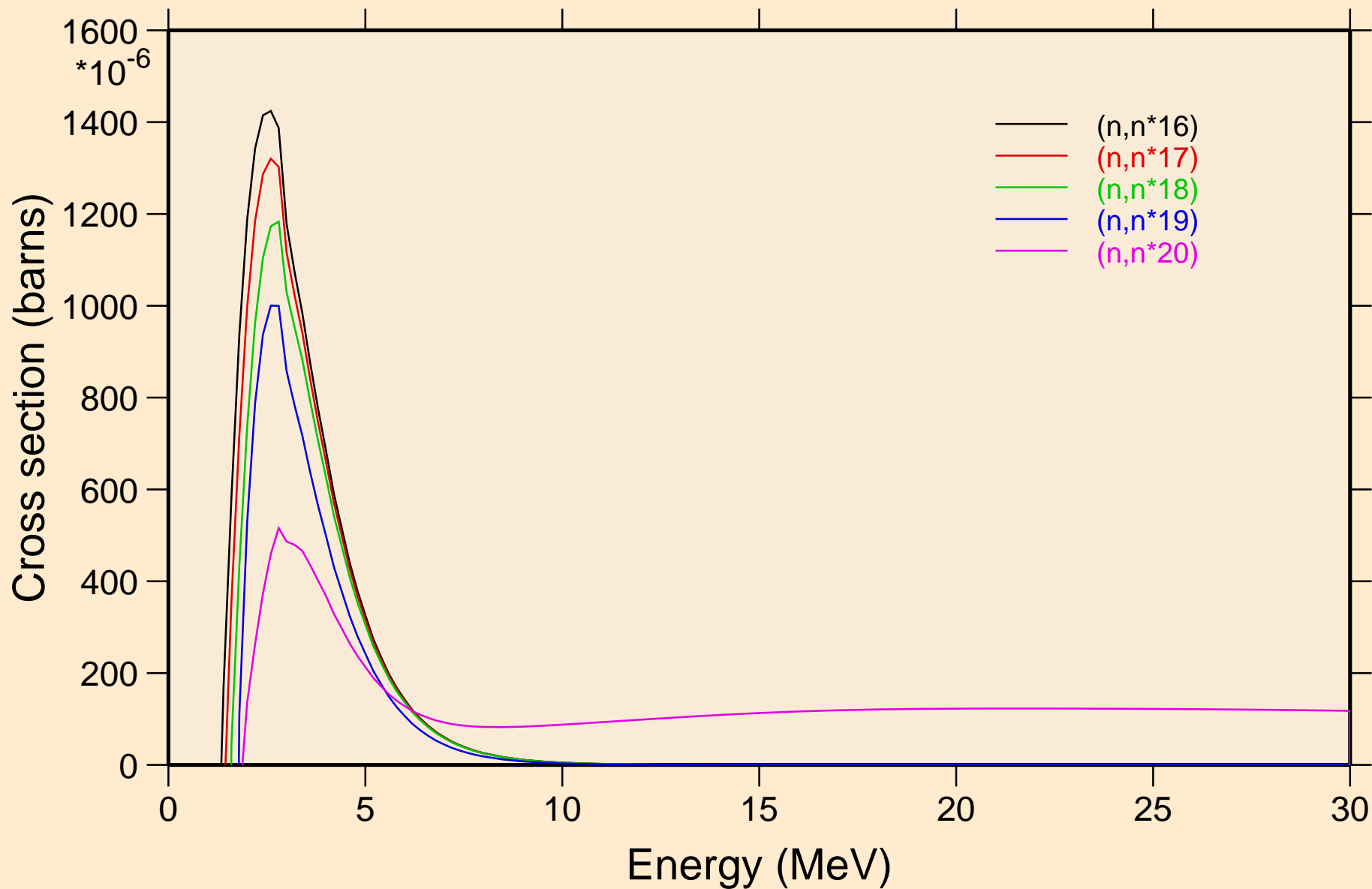
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



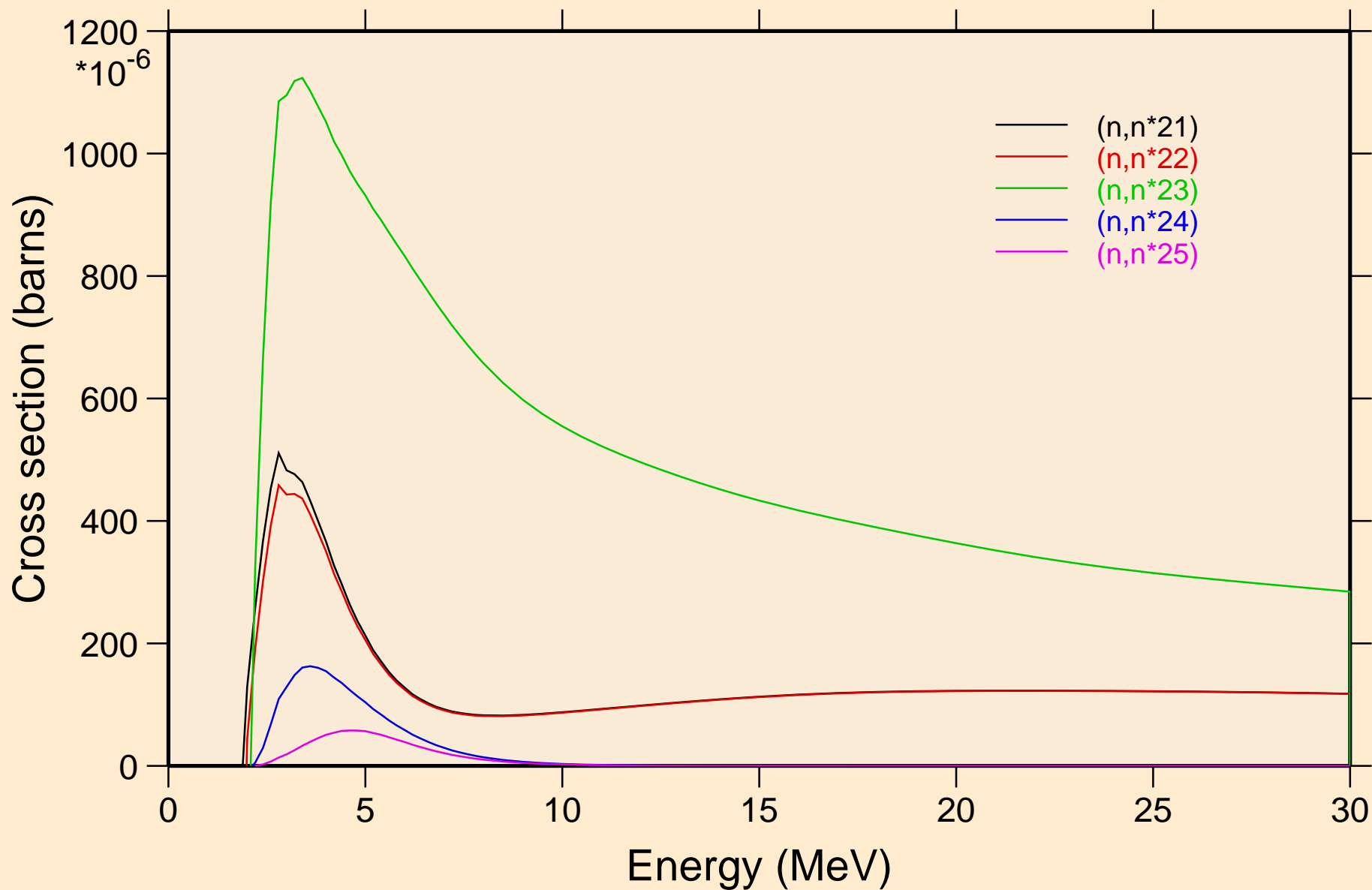
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



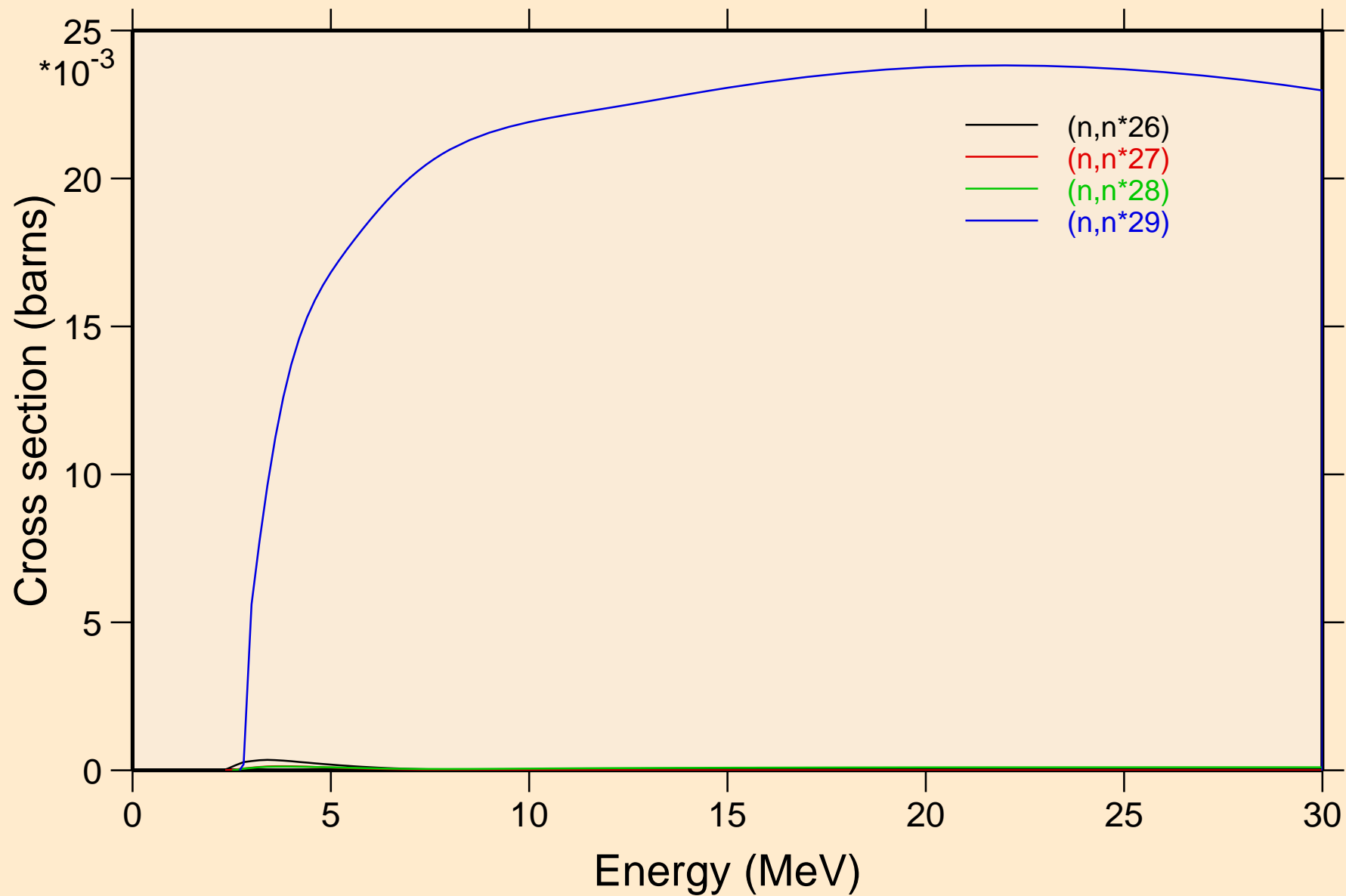
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Inelastic levels



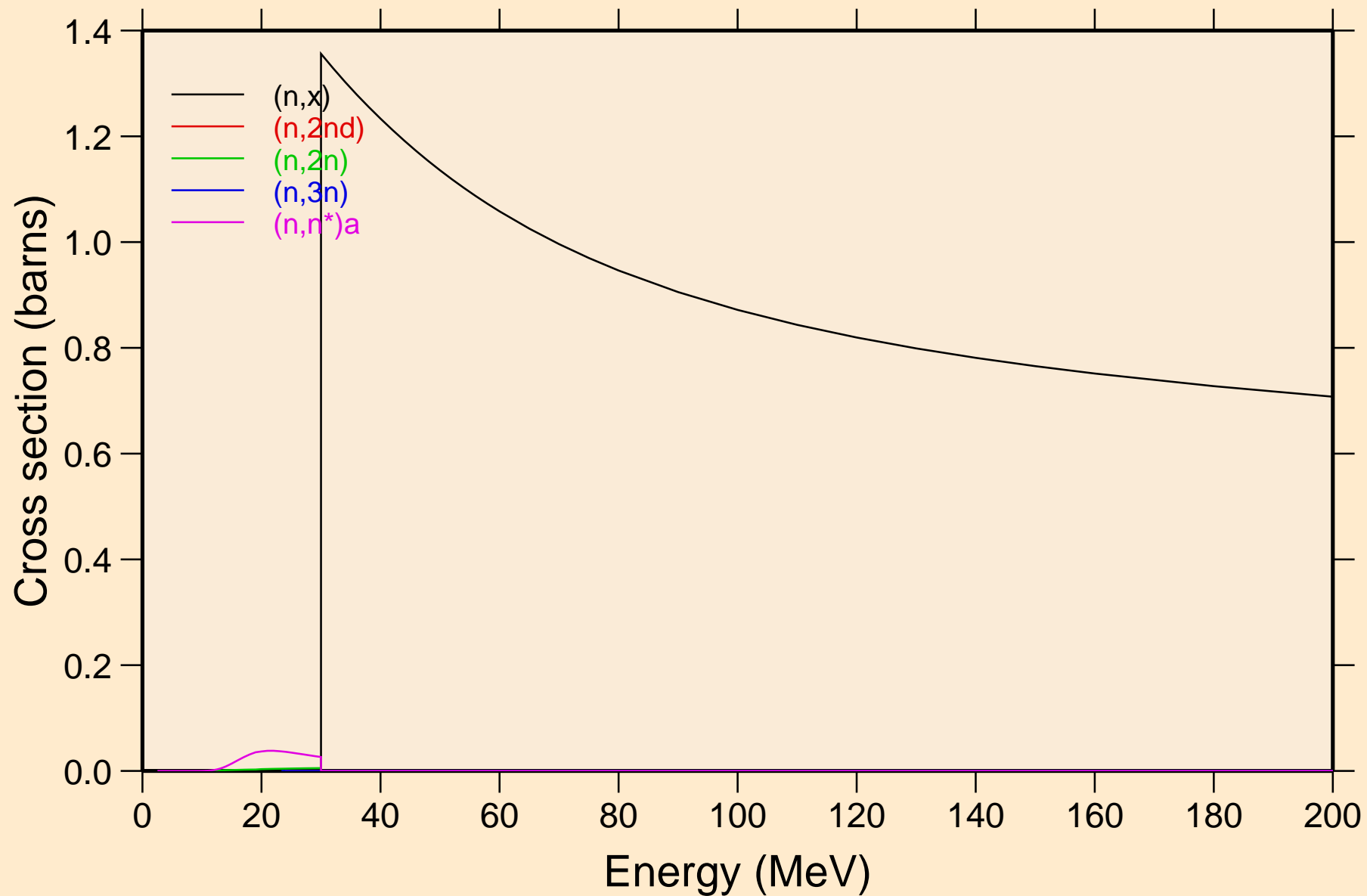
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Inelastic levels



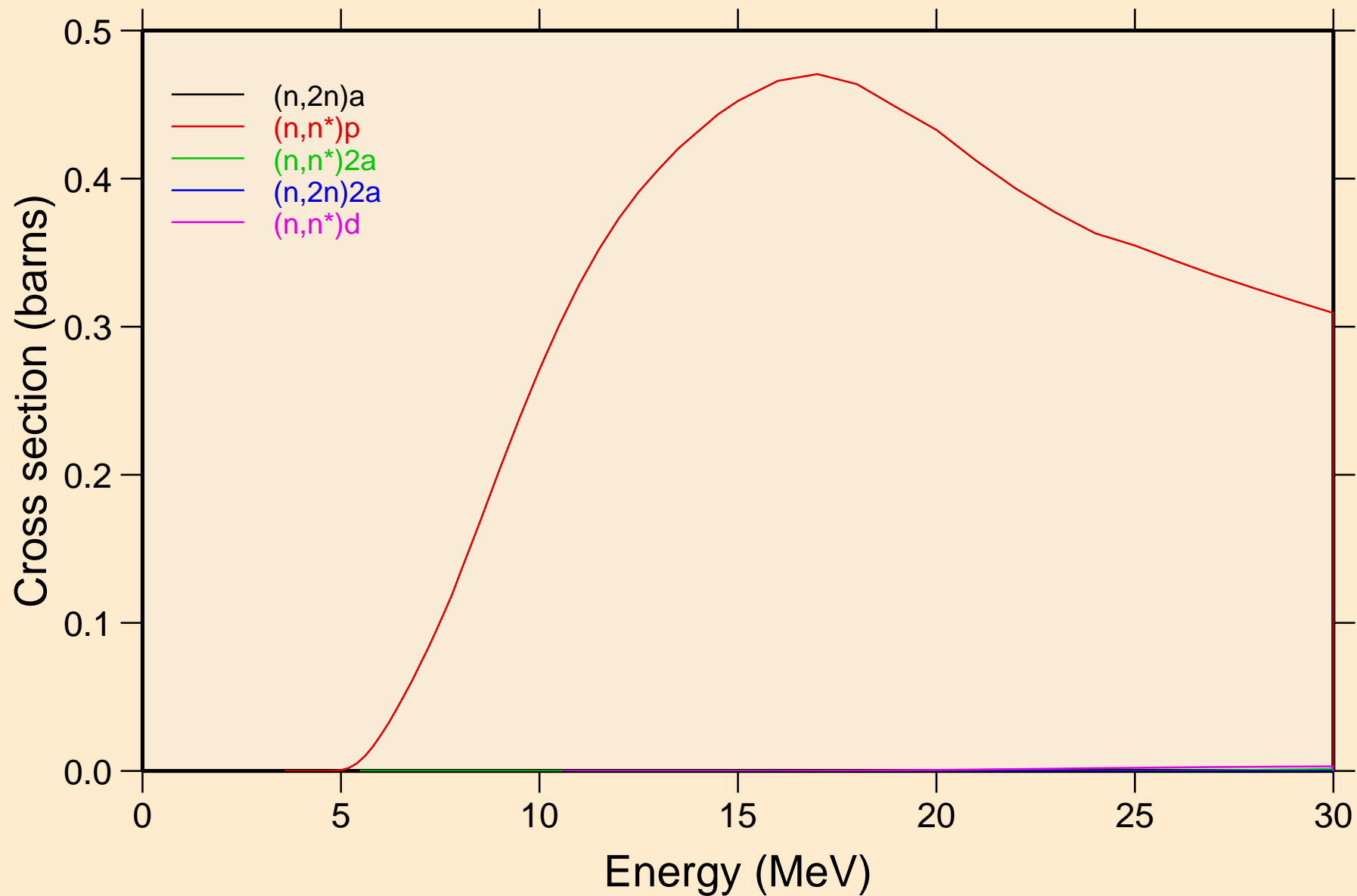
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



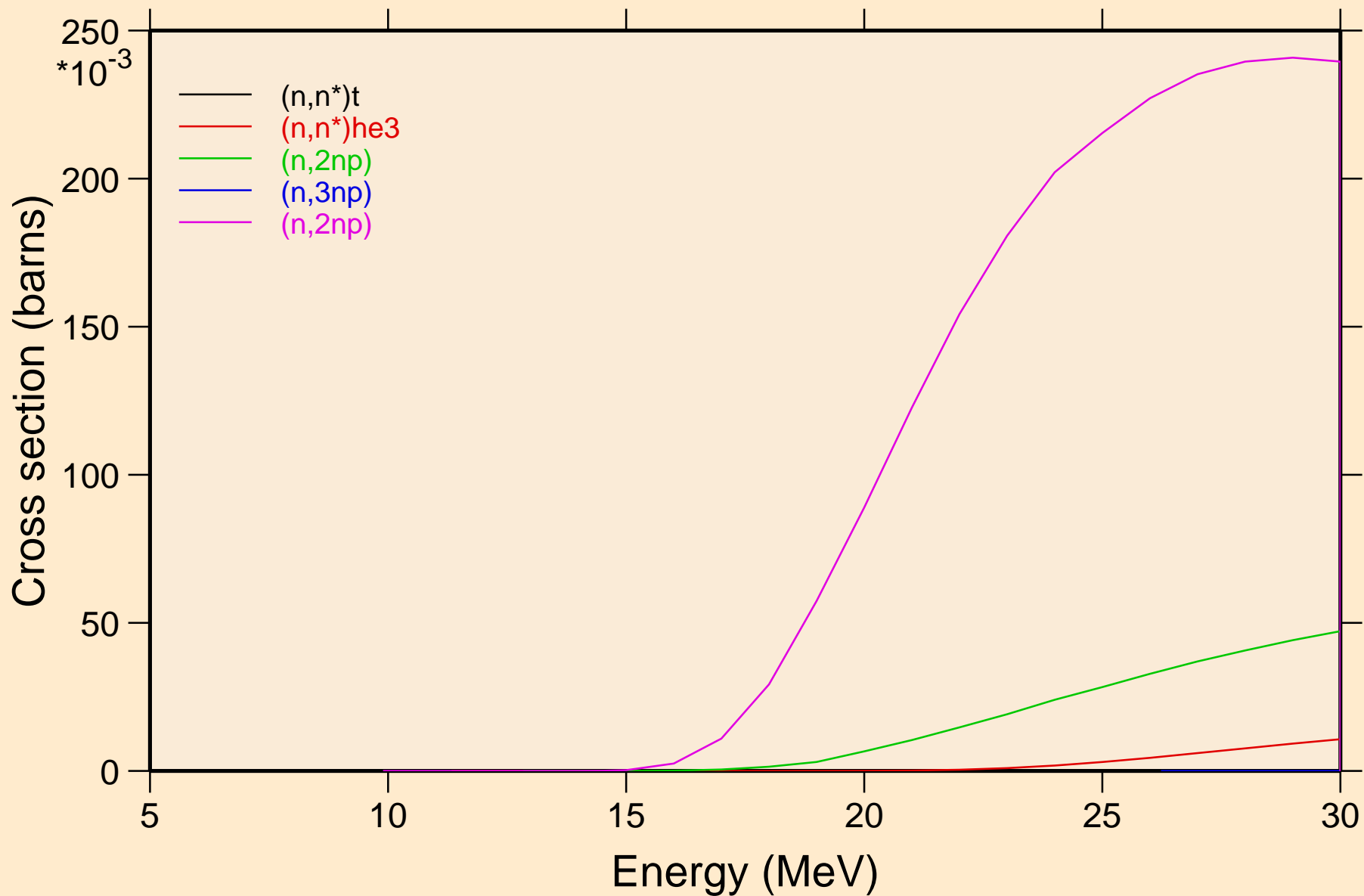
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



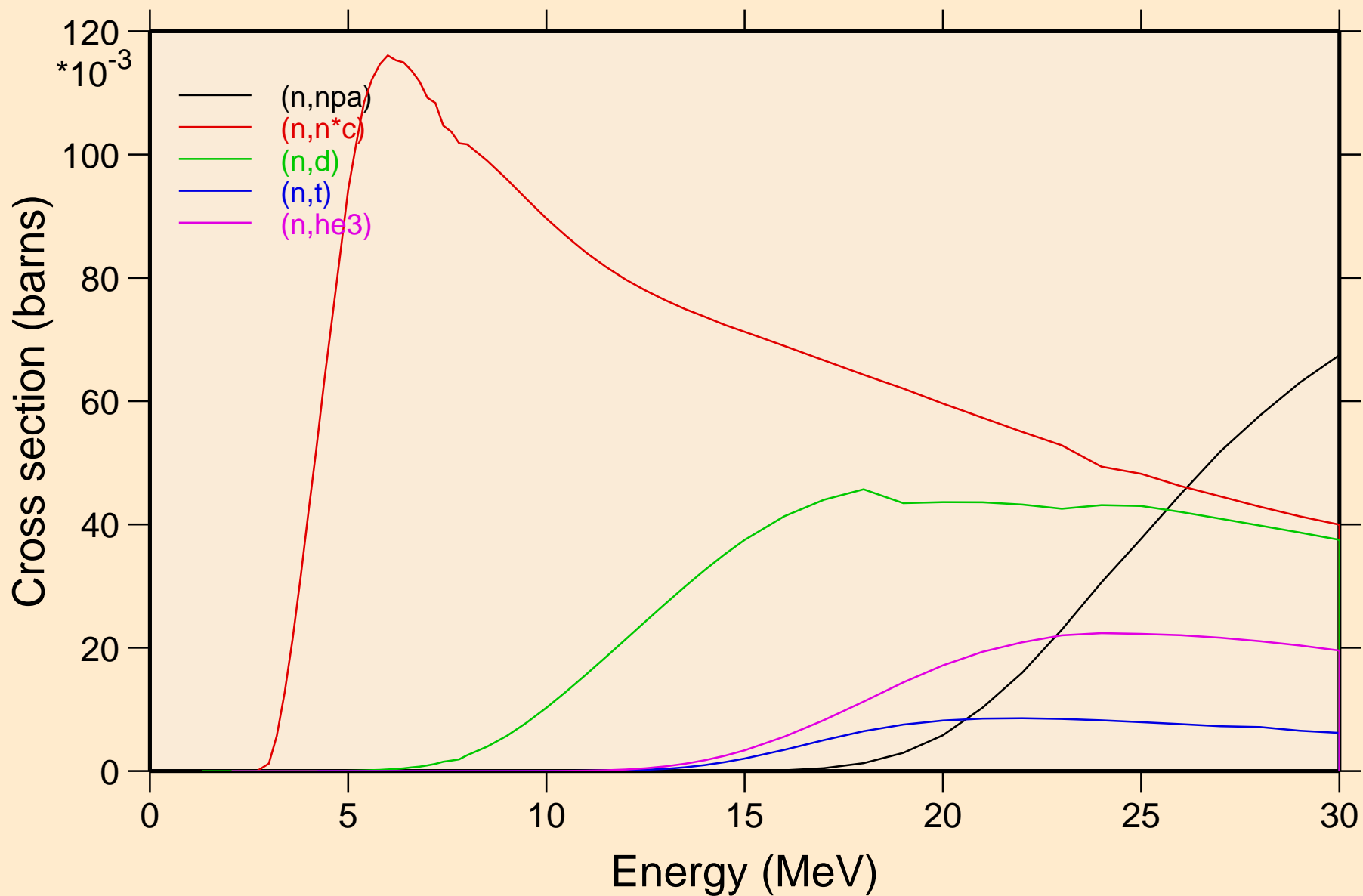


# AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

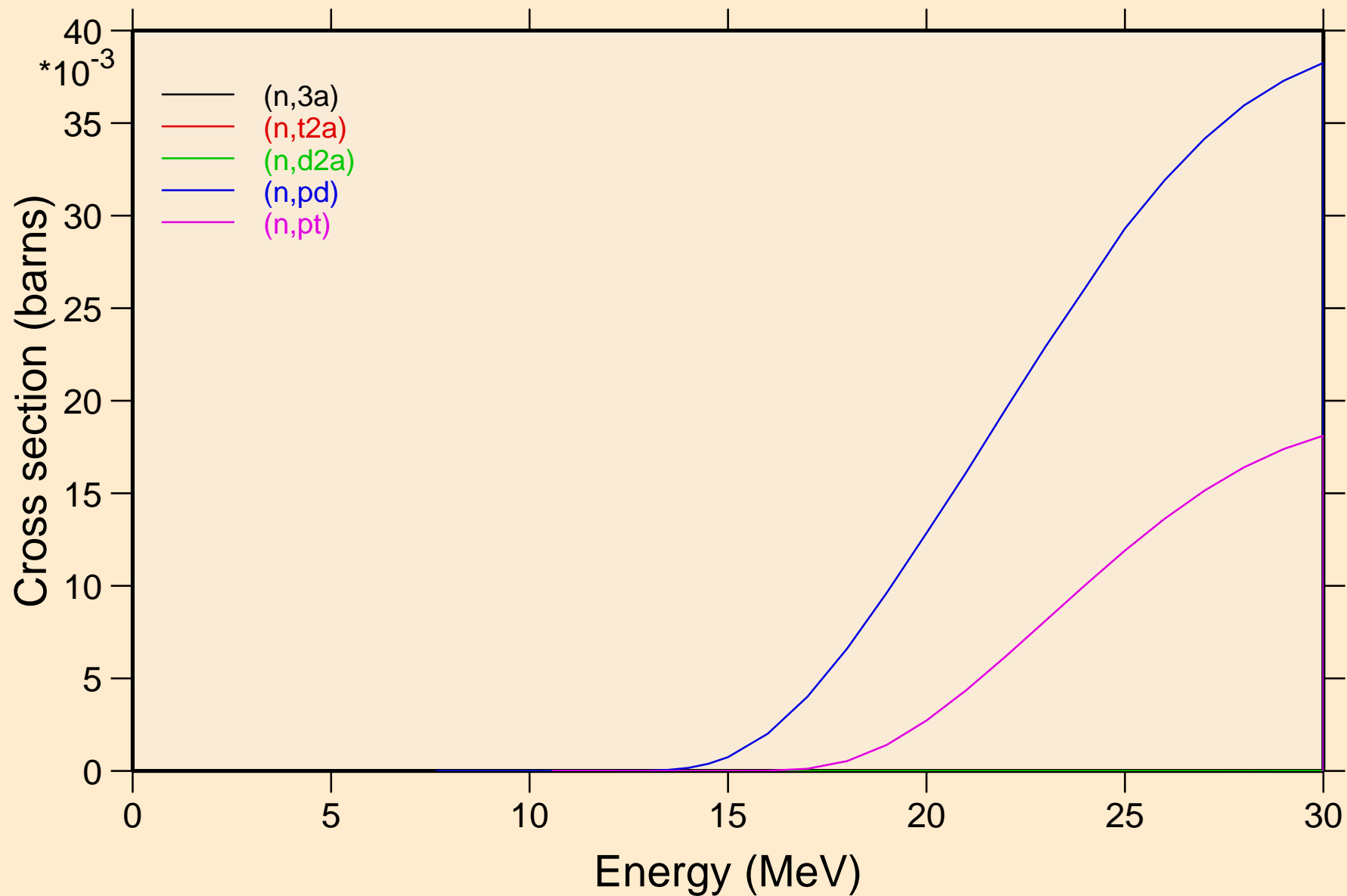
## Threshold reactions



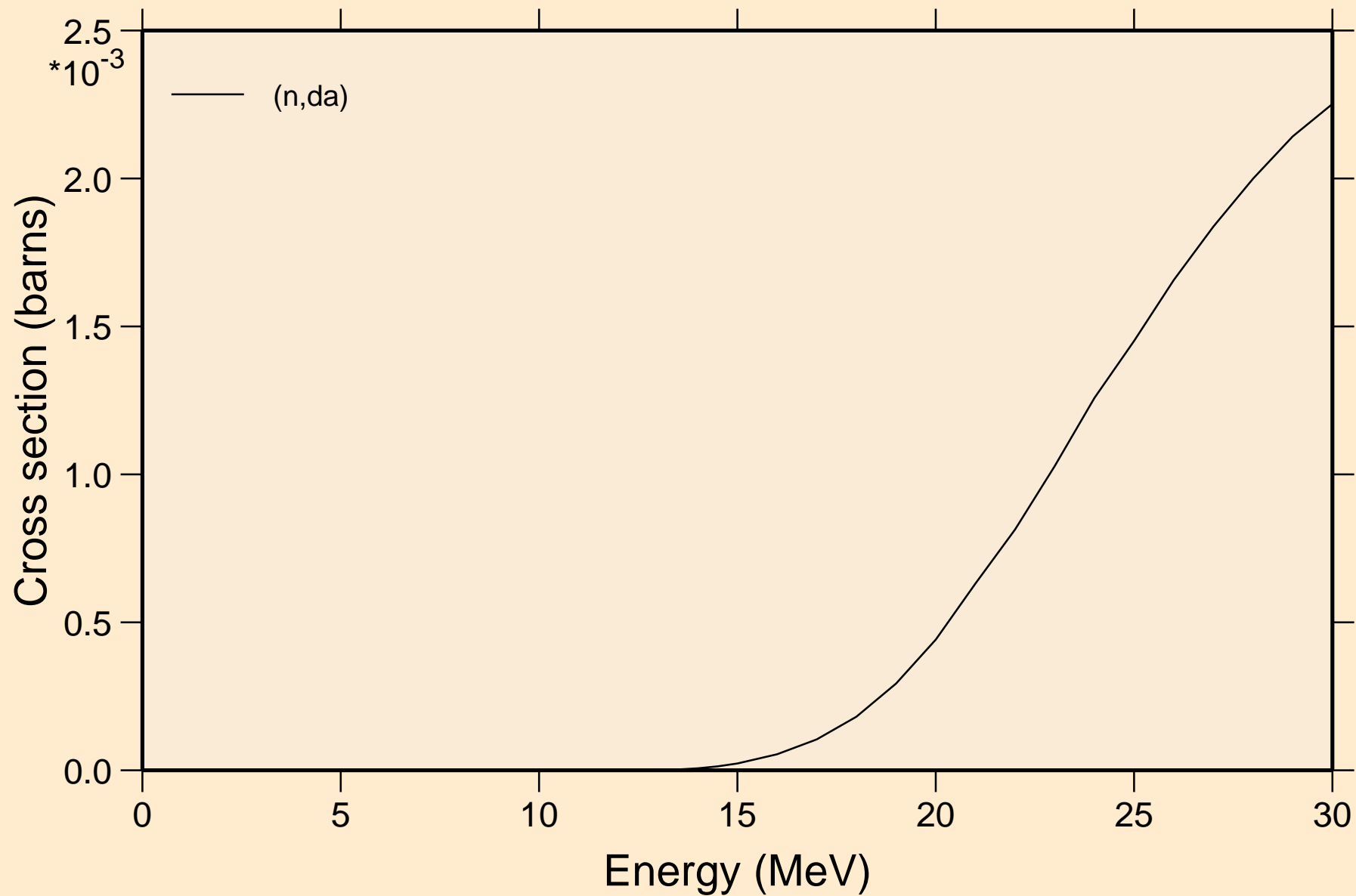
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



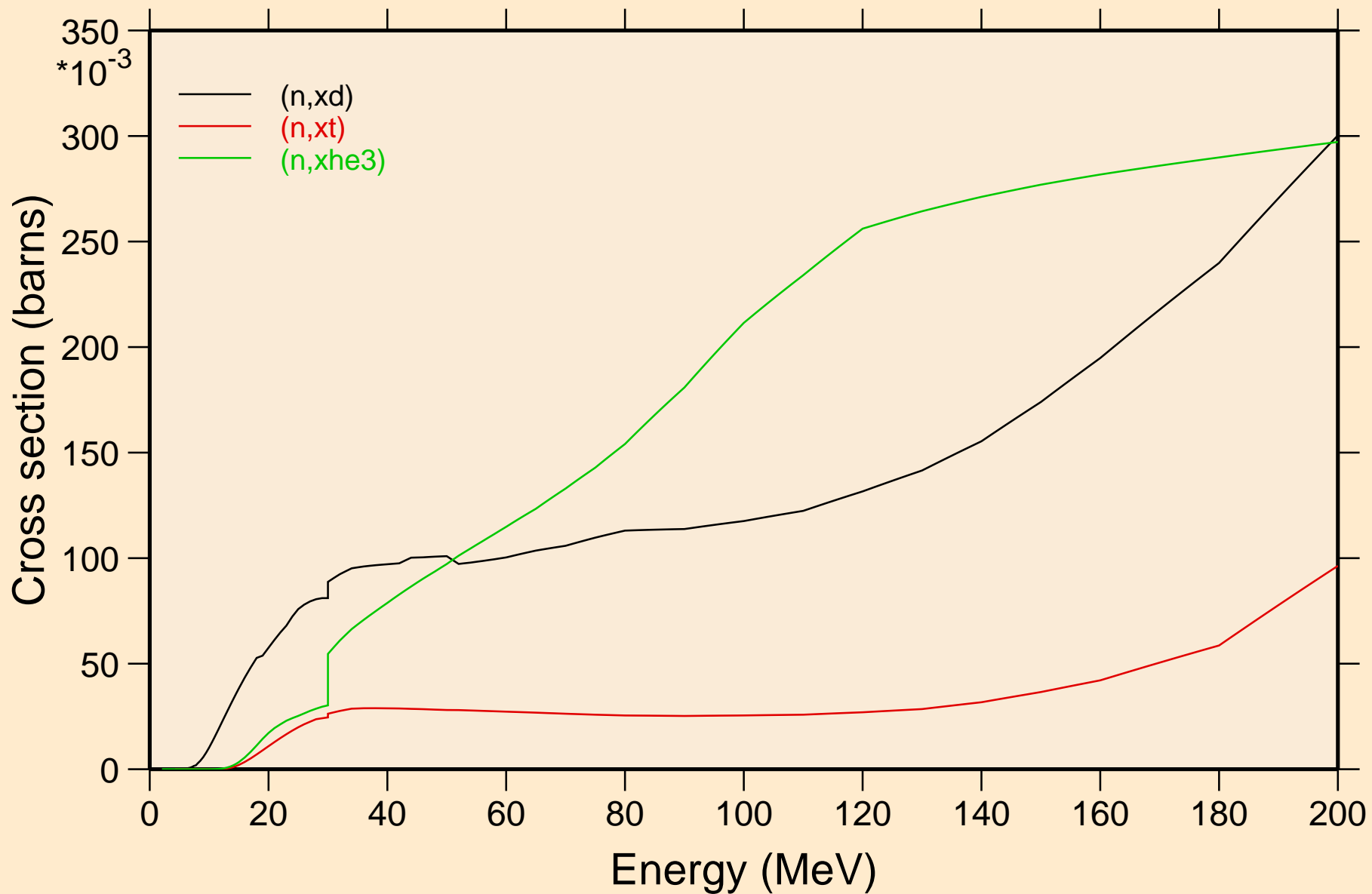
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



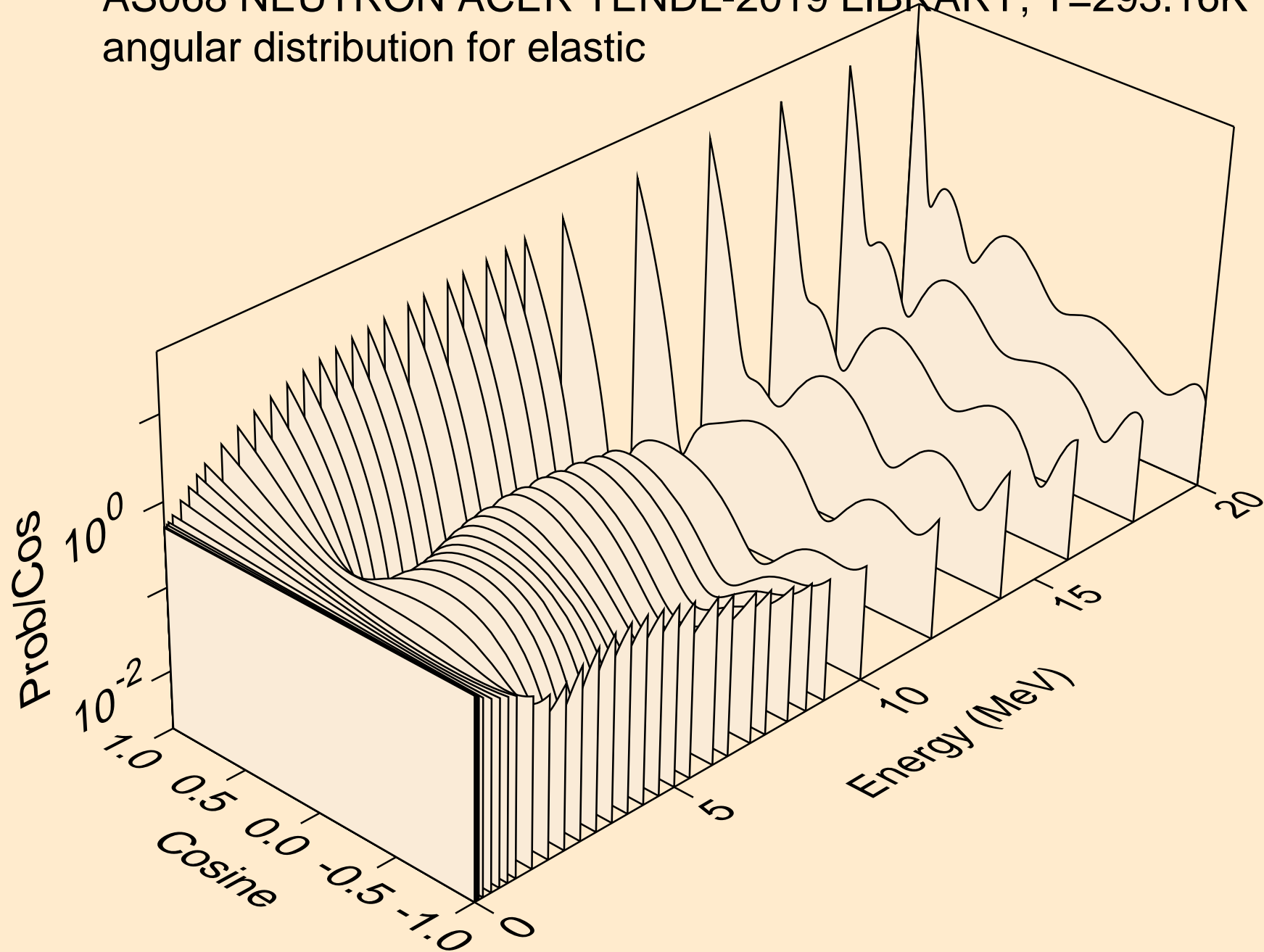
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



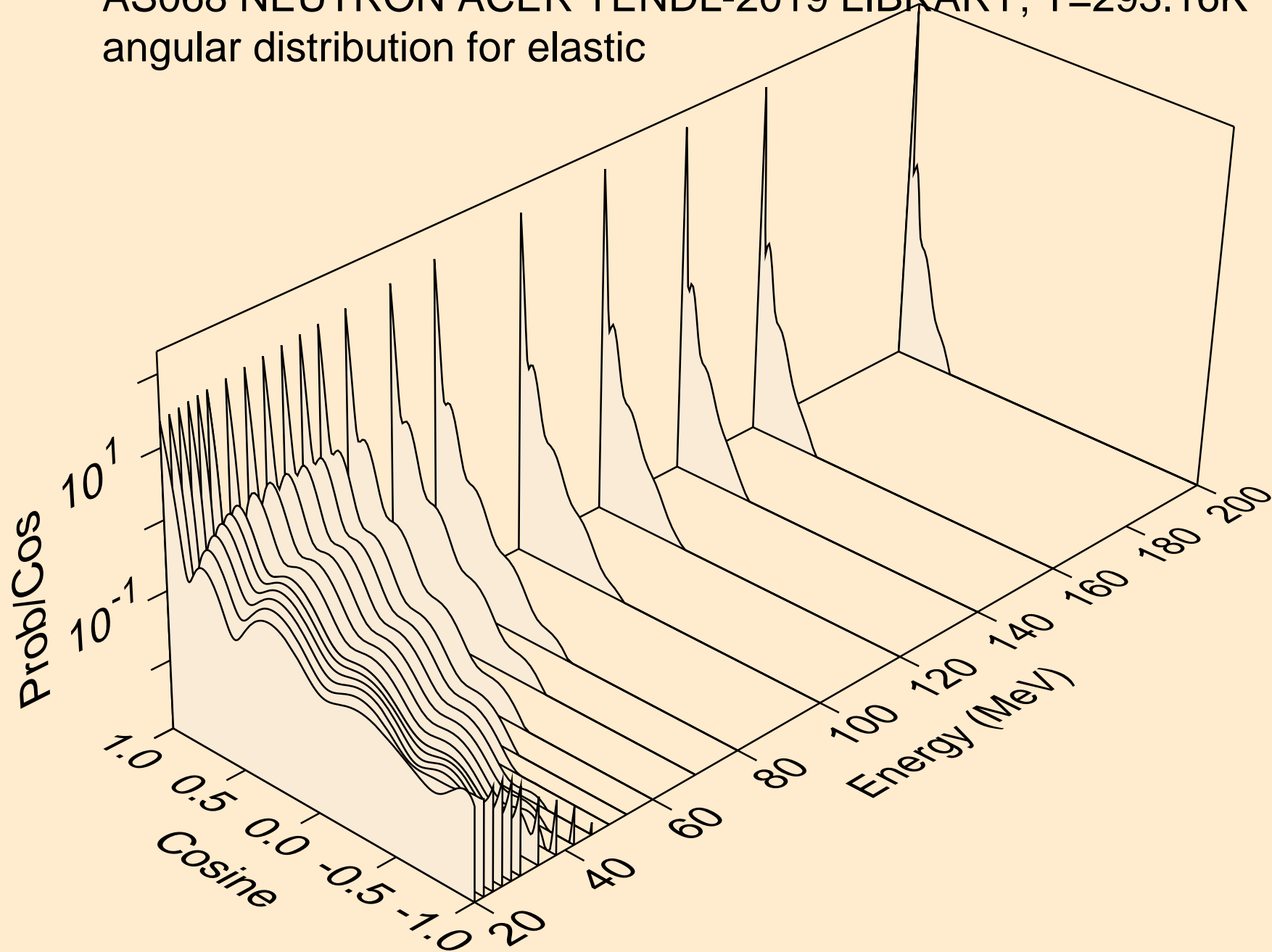
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



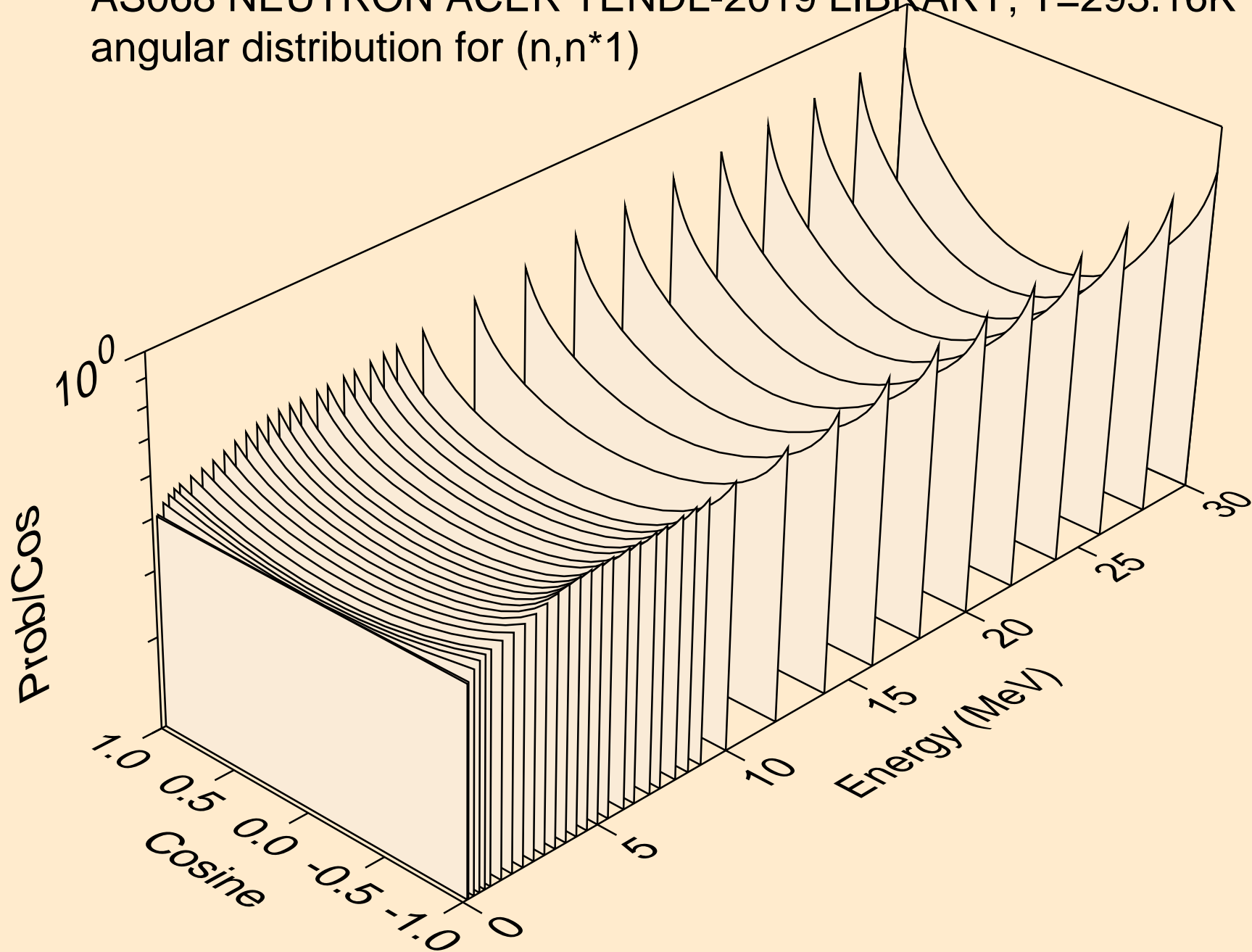
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

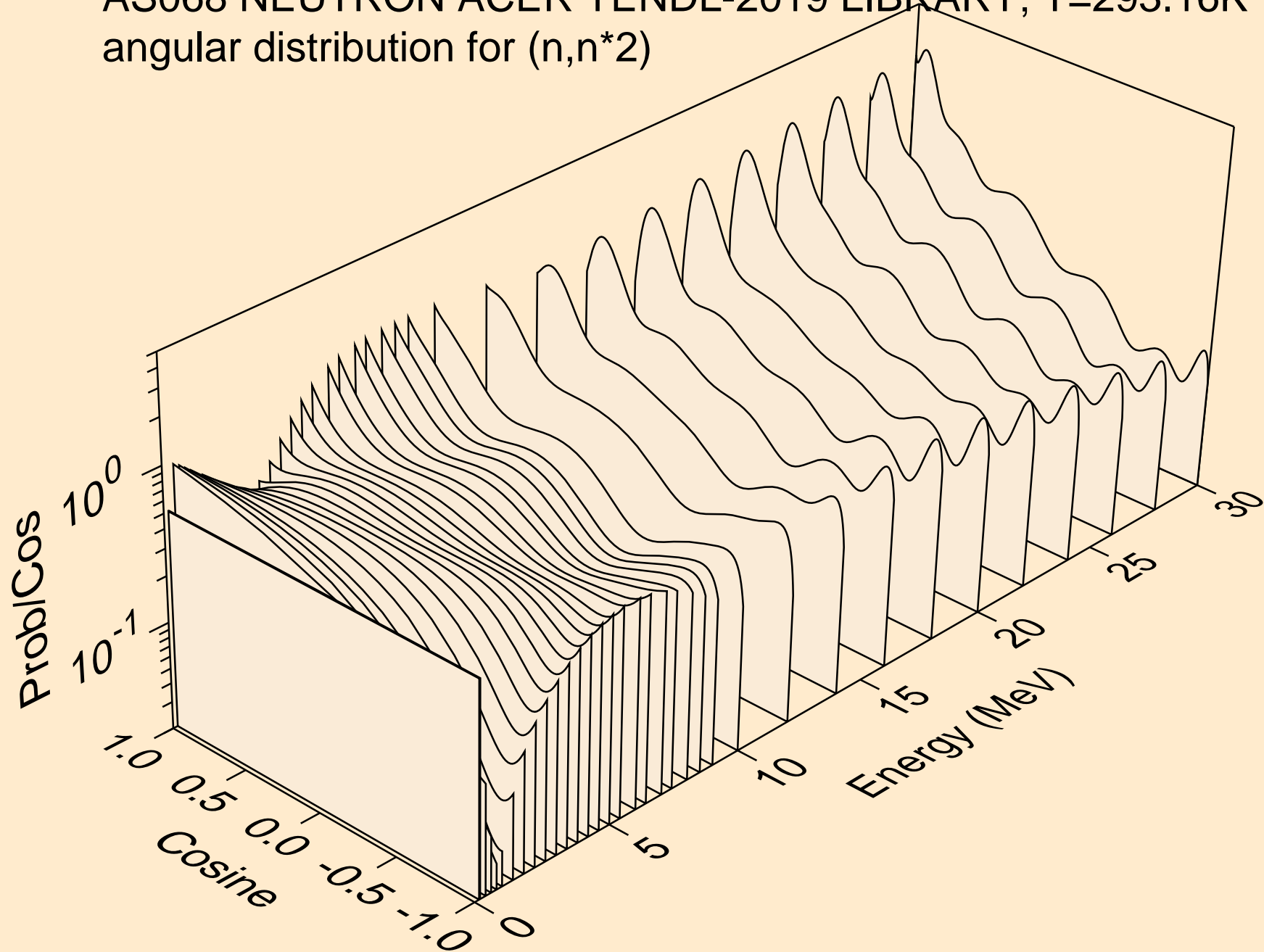


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

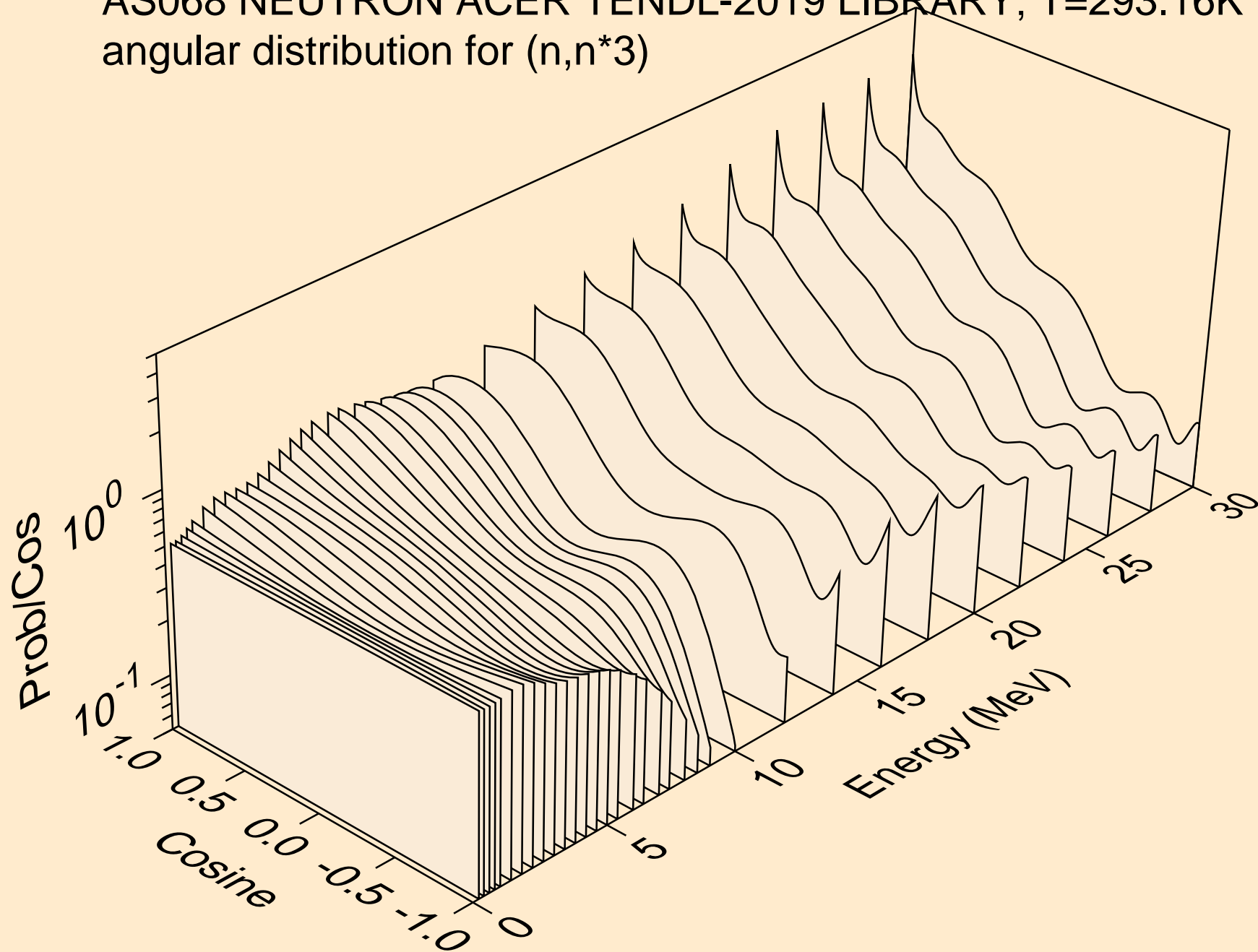




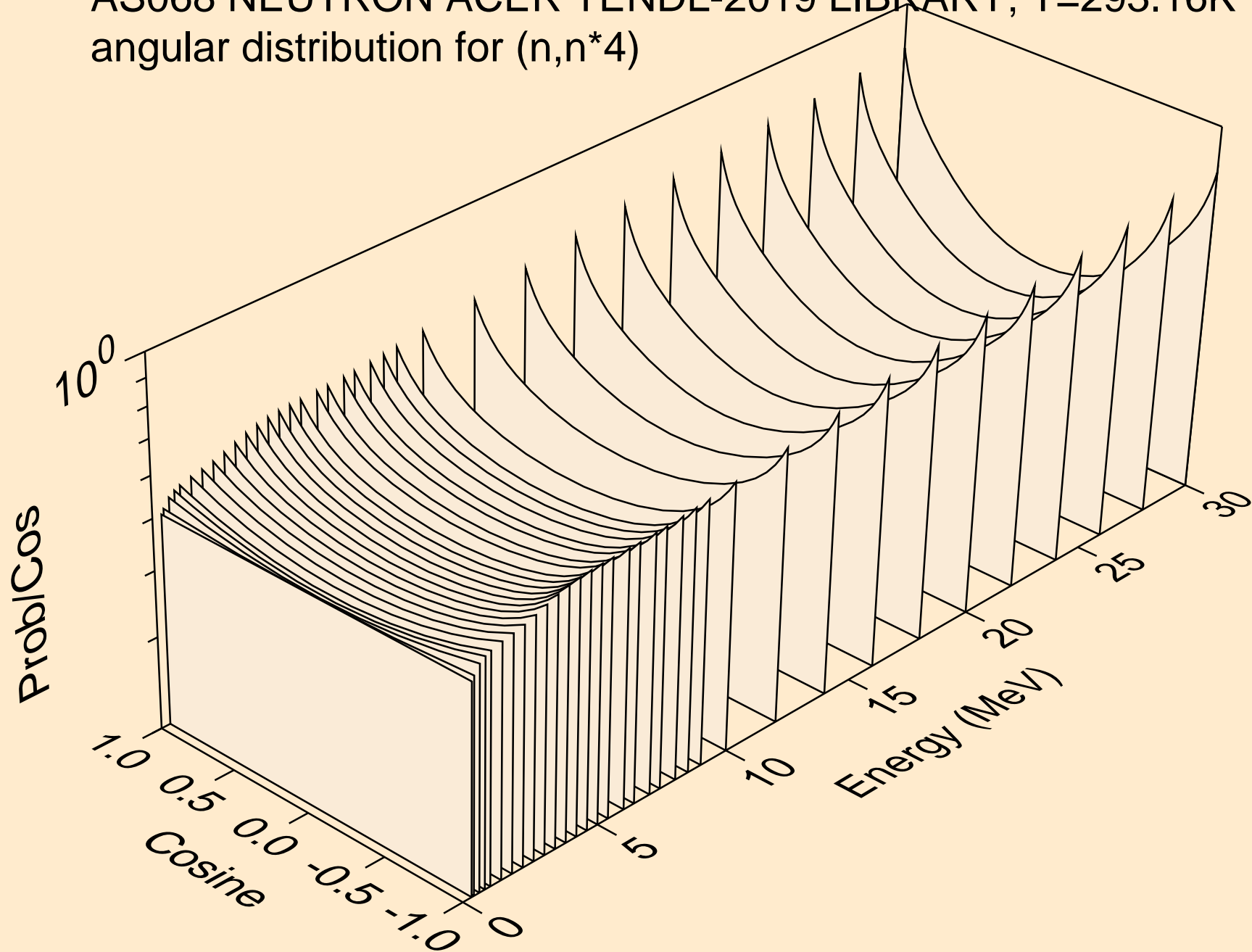
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angular distribution for (n,n\*2)



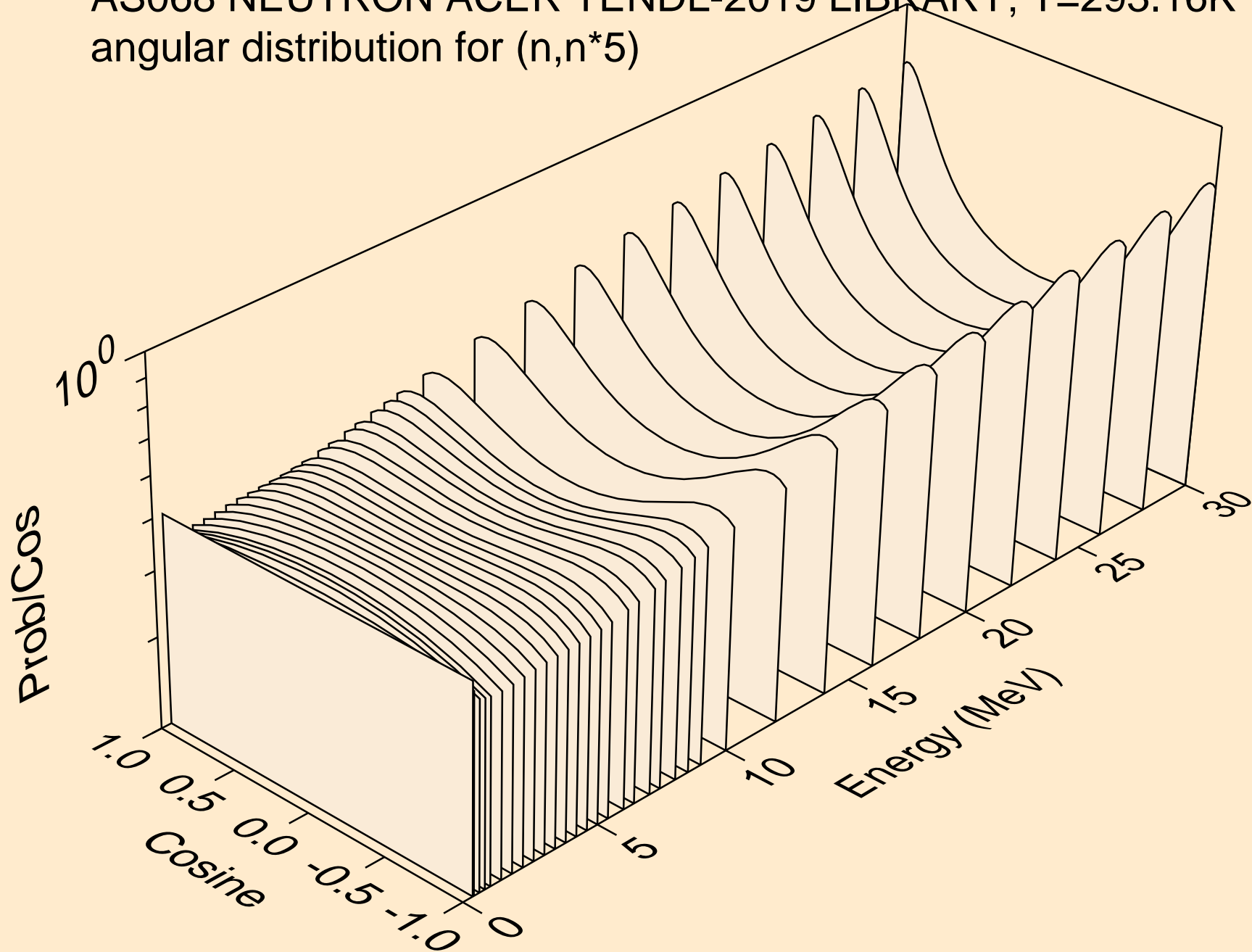
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angular distribution for (n,n\*3)



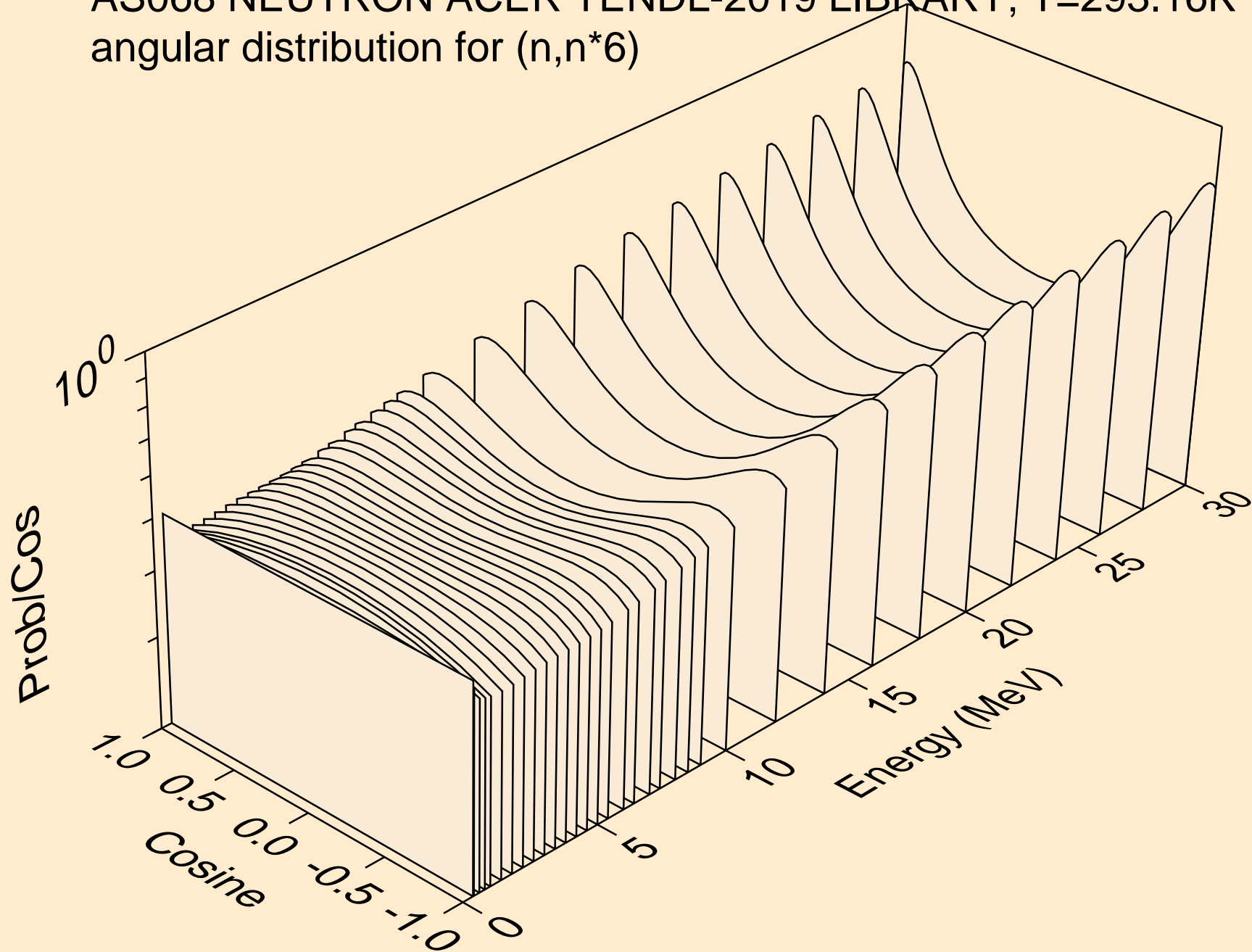
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angular distribution for (n,n\*4)



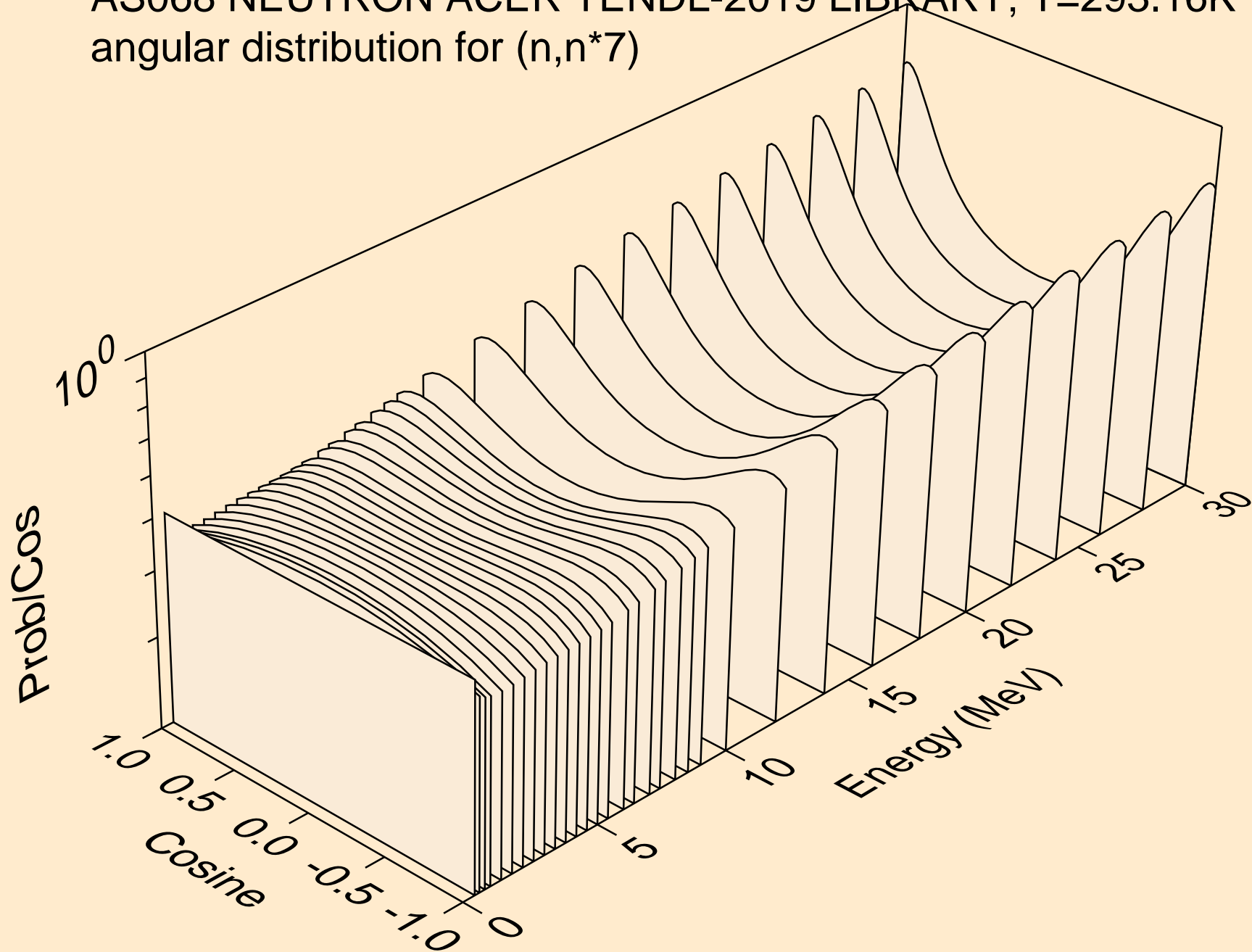
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angular distribution for (n,n\*5)



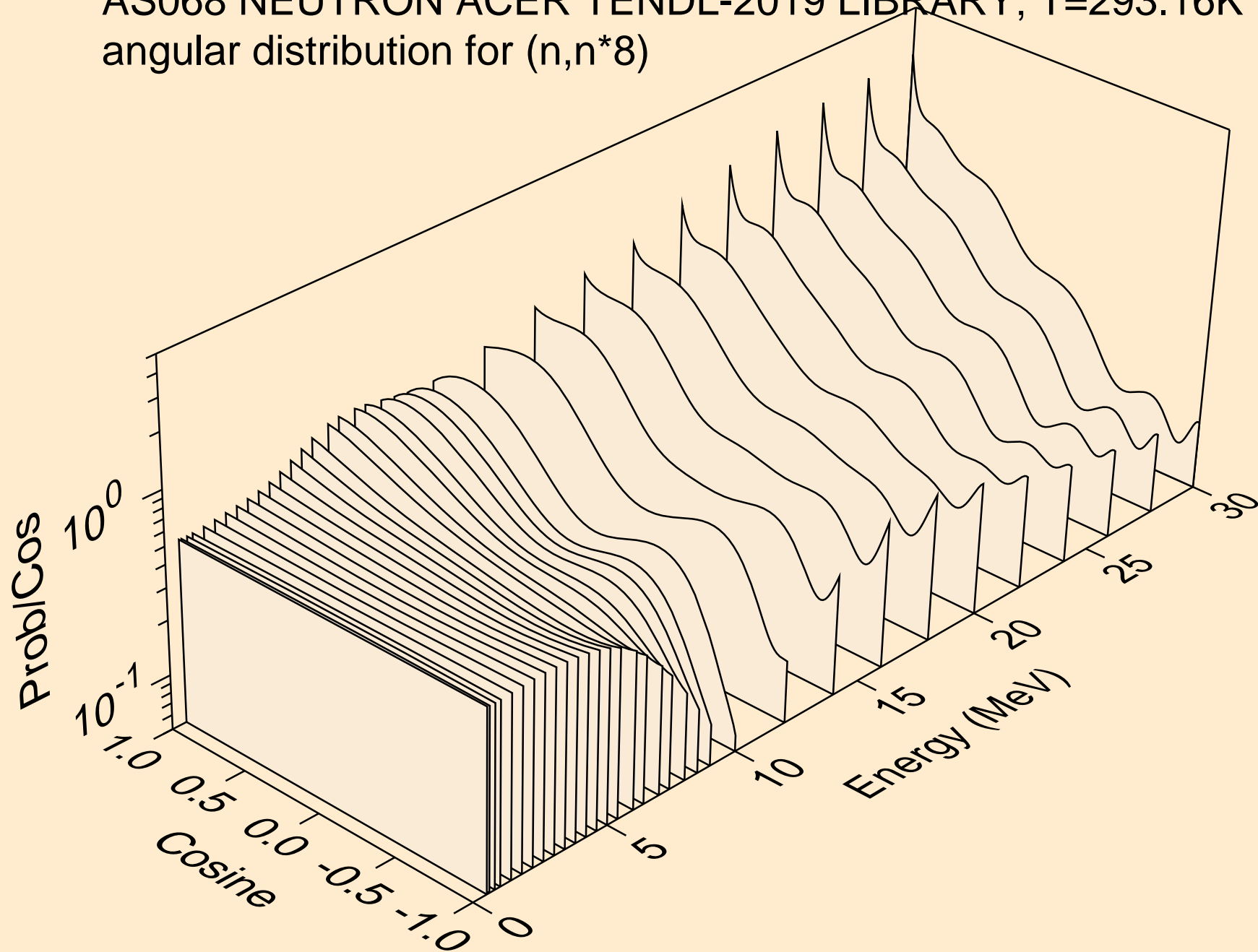
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angular distribution for (n,n\*6)



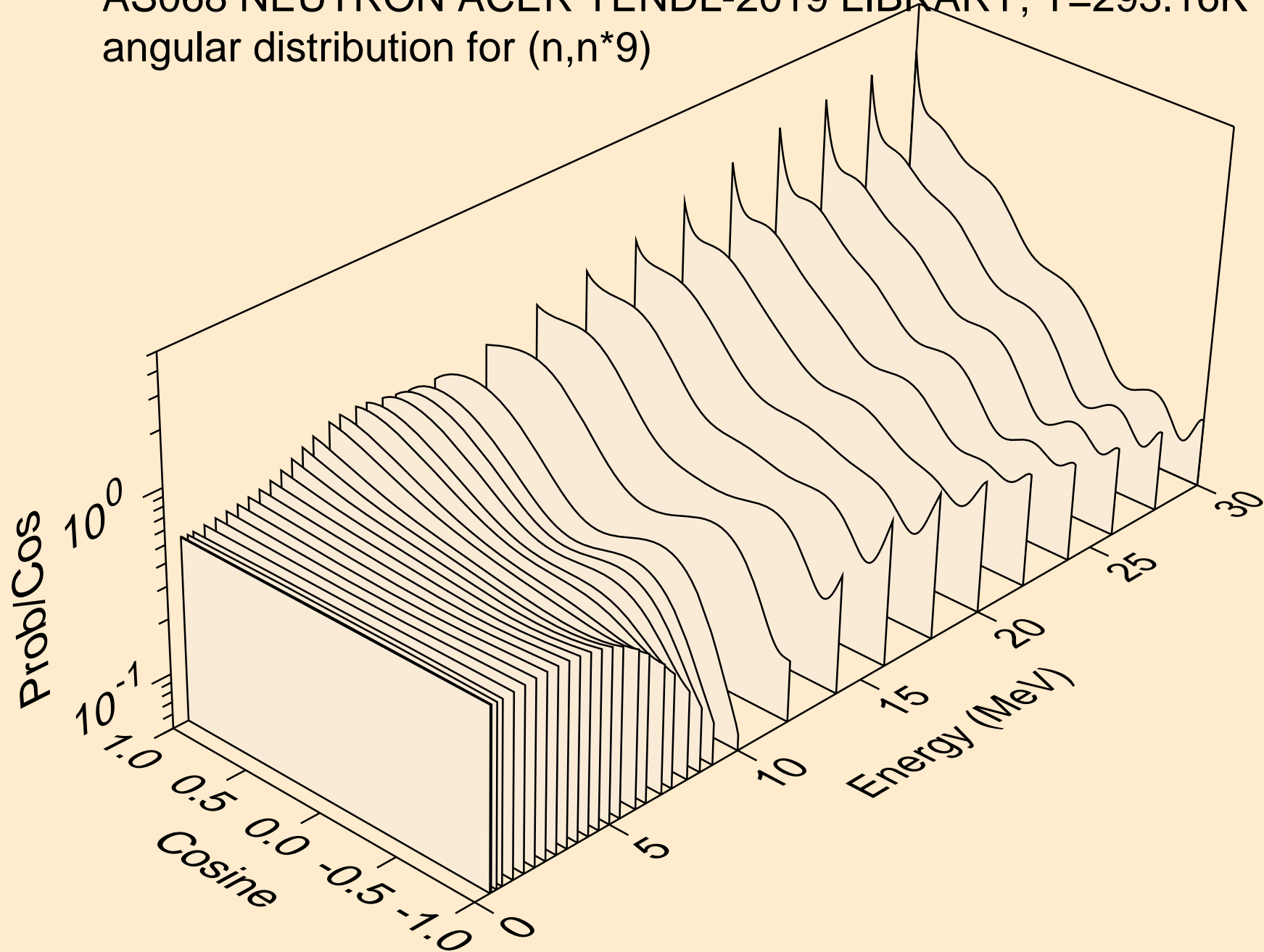
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

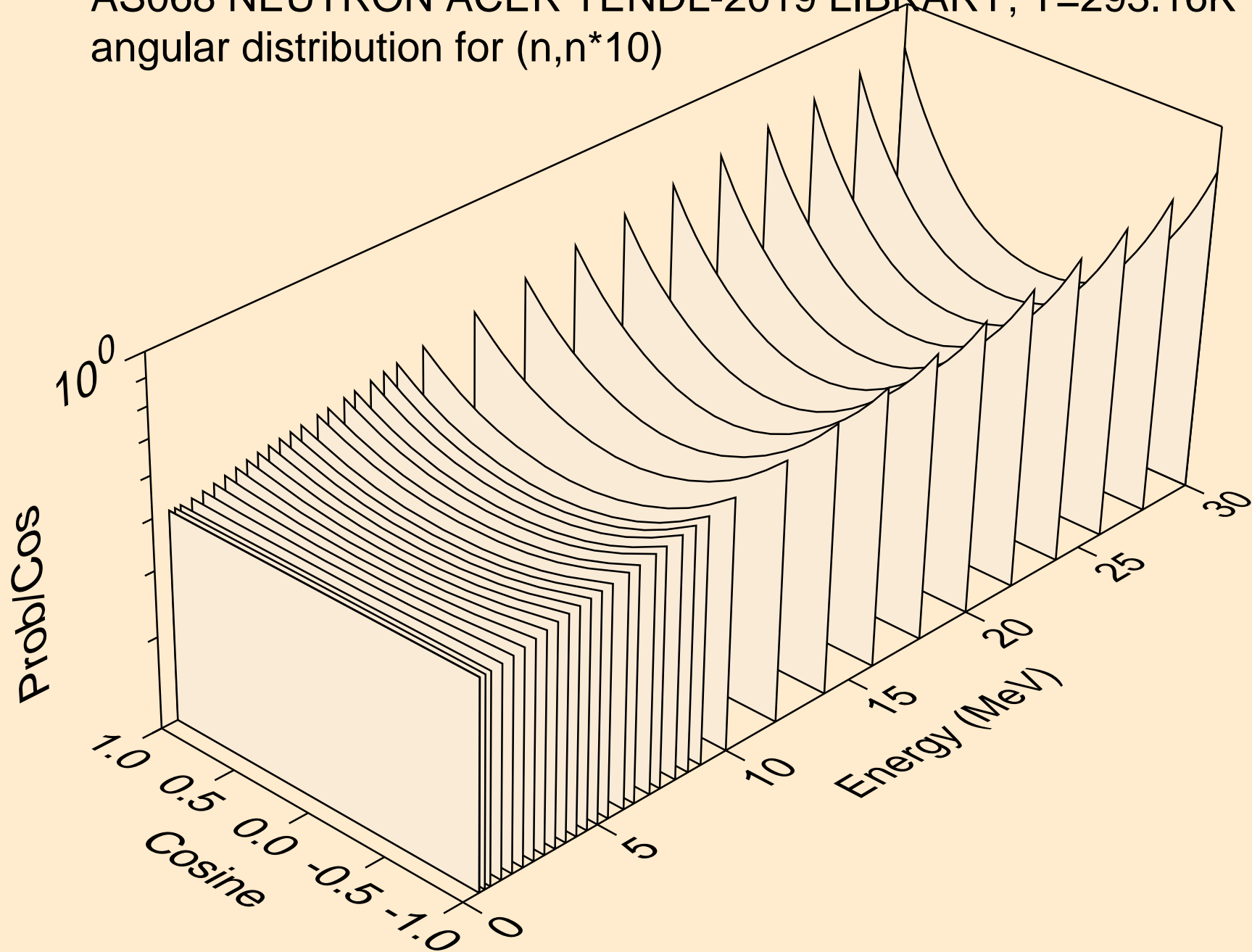


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angular distribution for (n,n\*9)

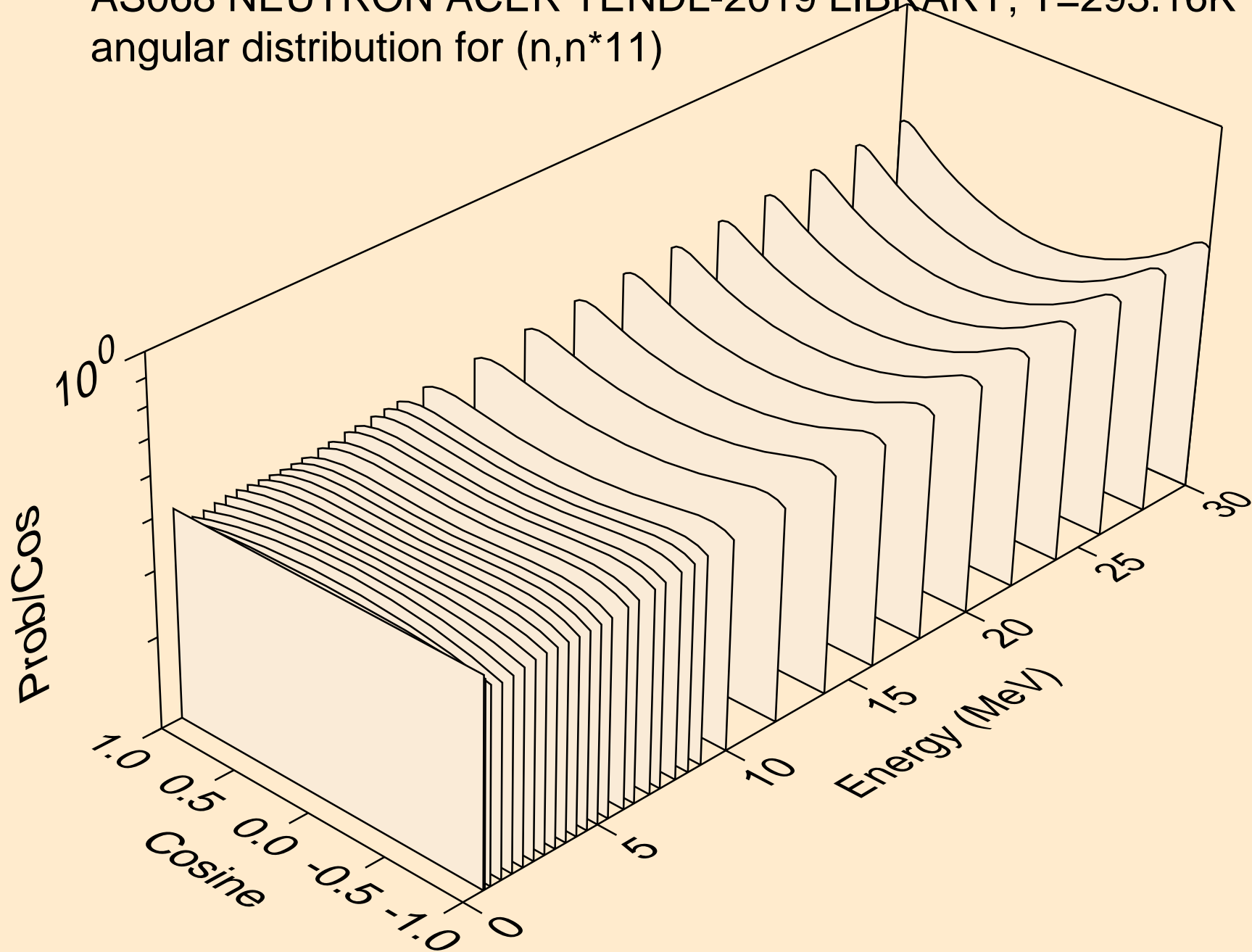




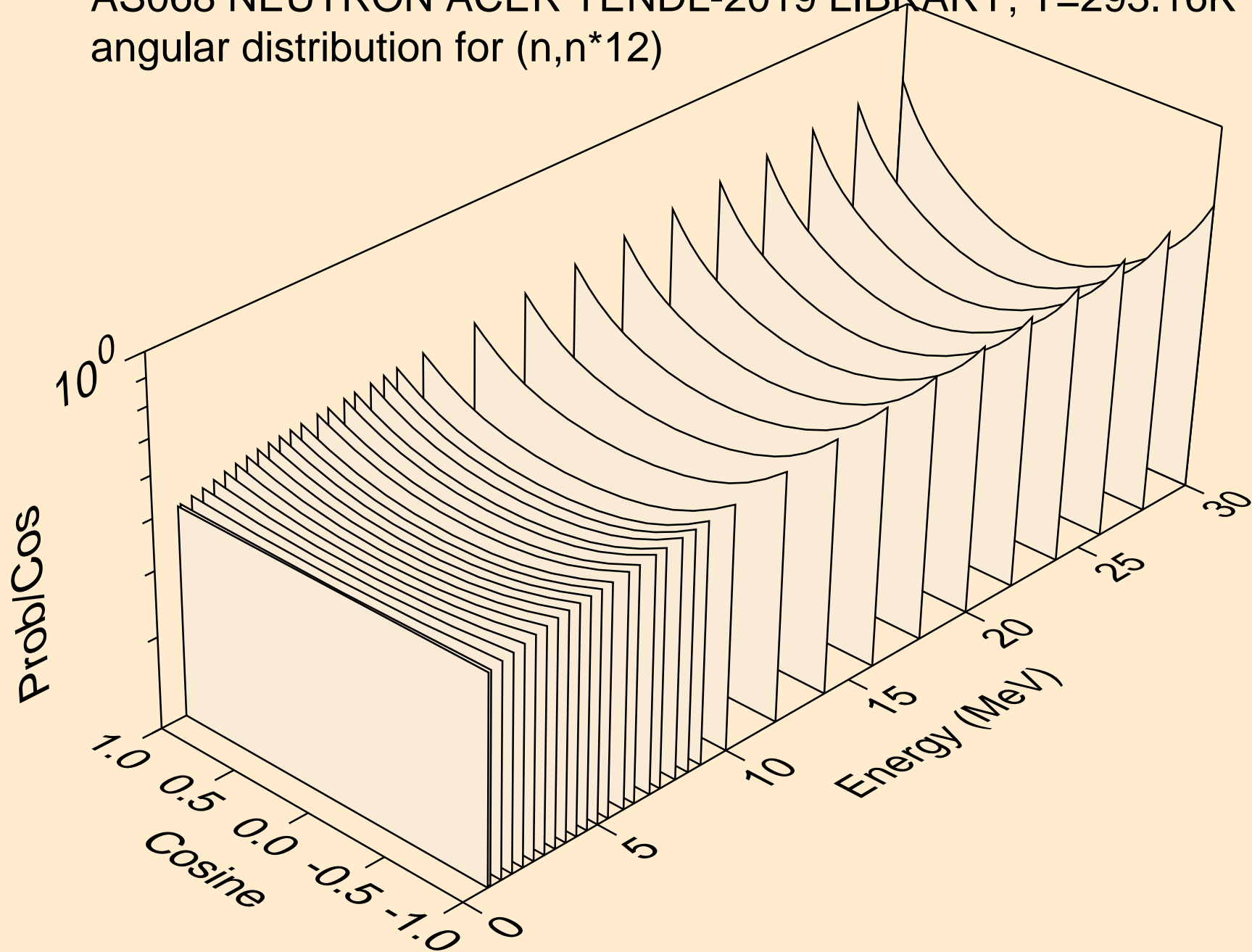
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angular distribution for (n,n\*10)



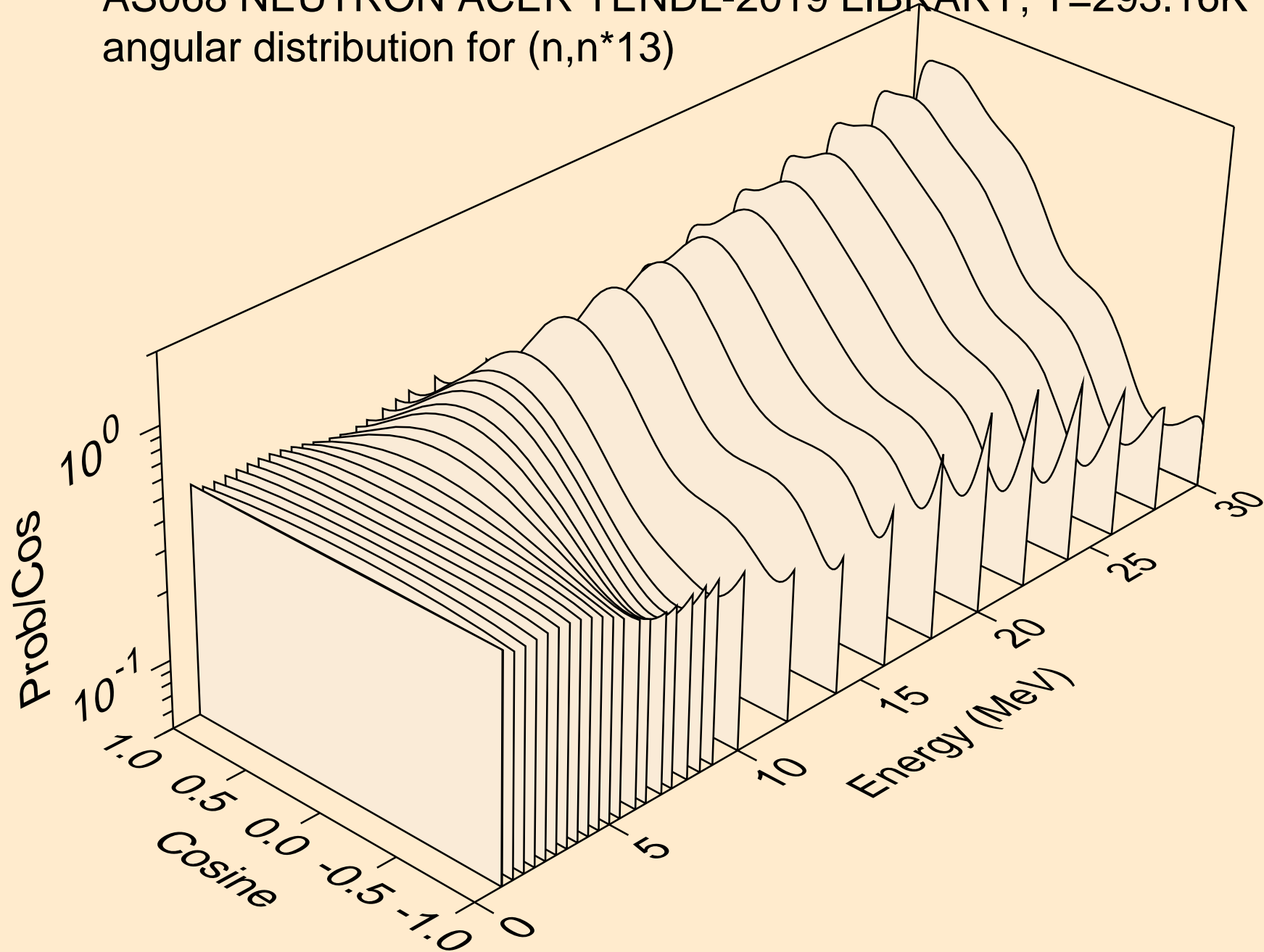
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angular distribution for (n,n\*11)



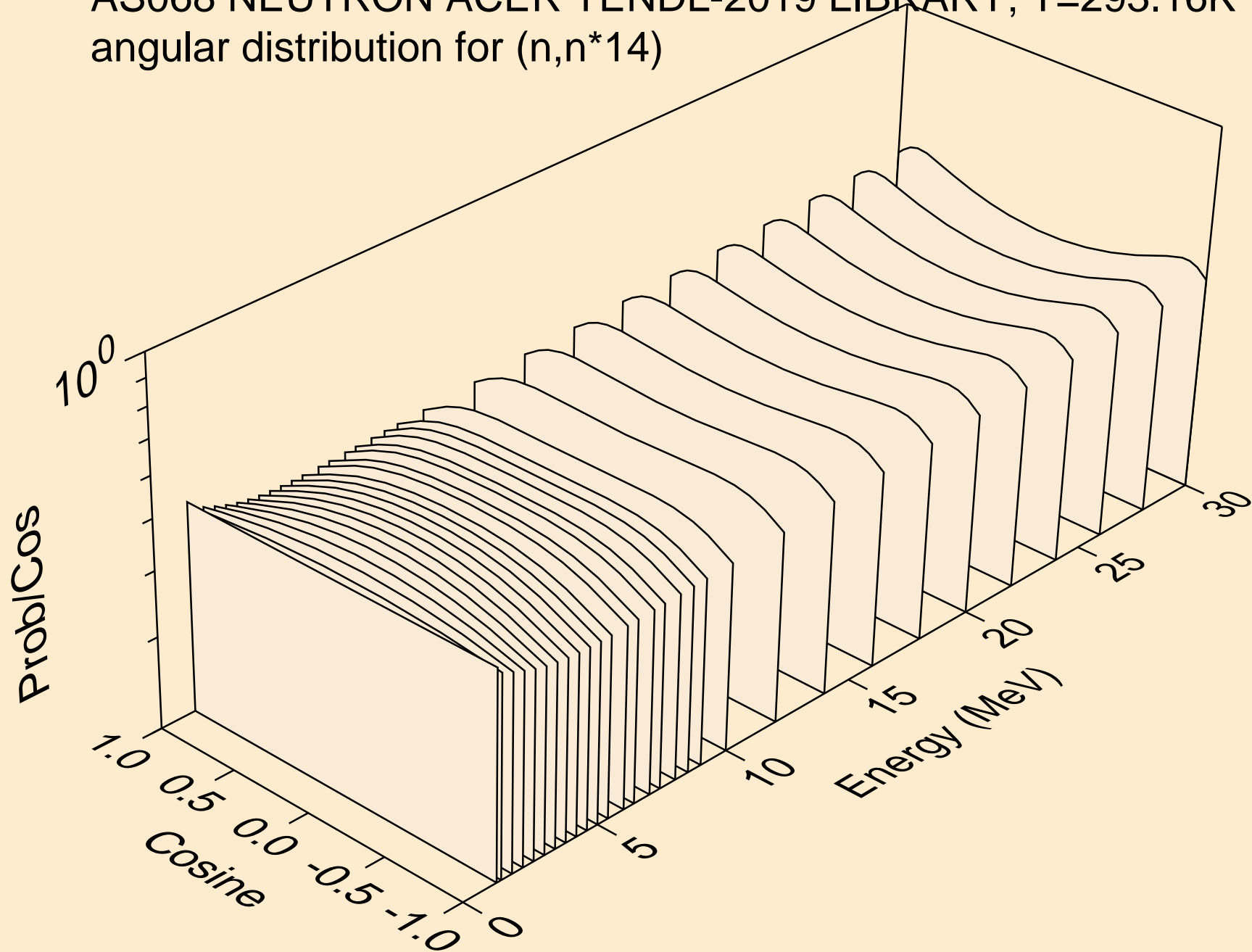
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angular distribution for (n,n\*12)



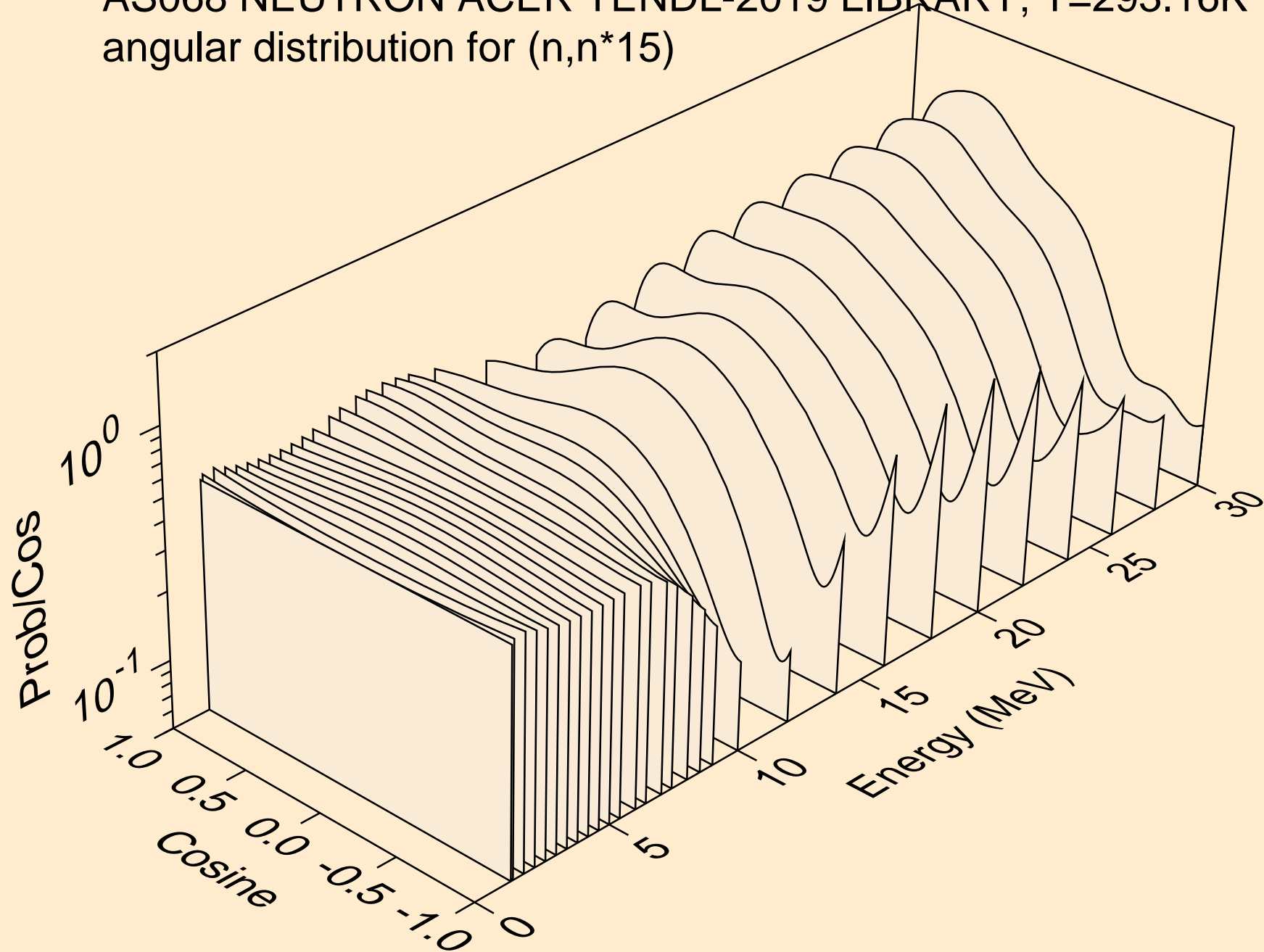
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angular distribution for (n,n\*13)



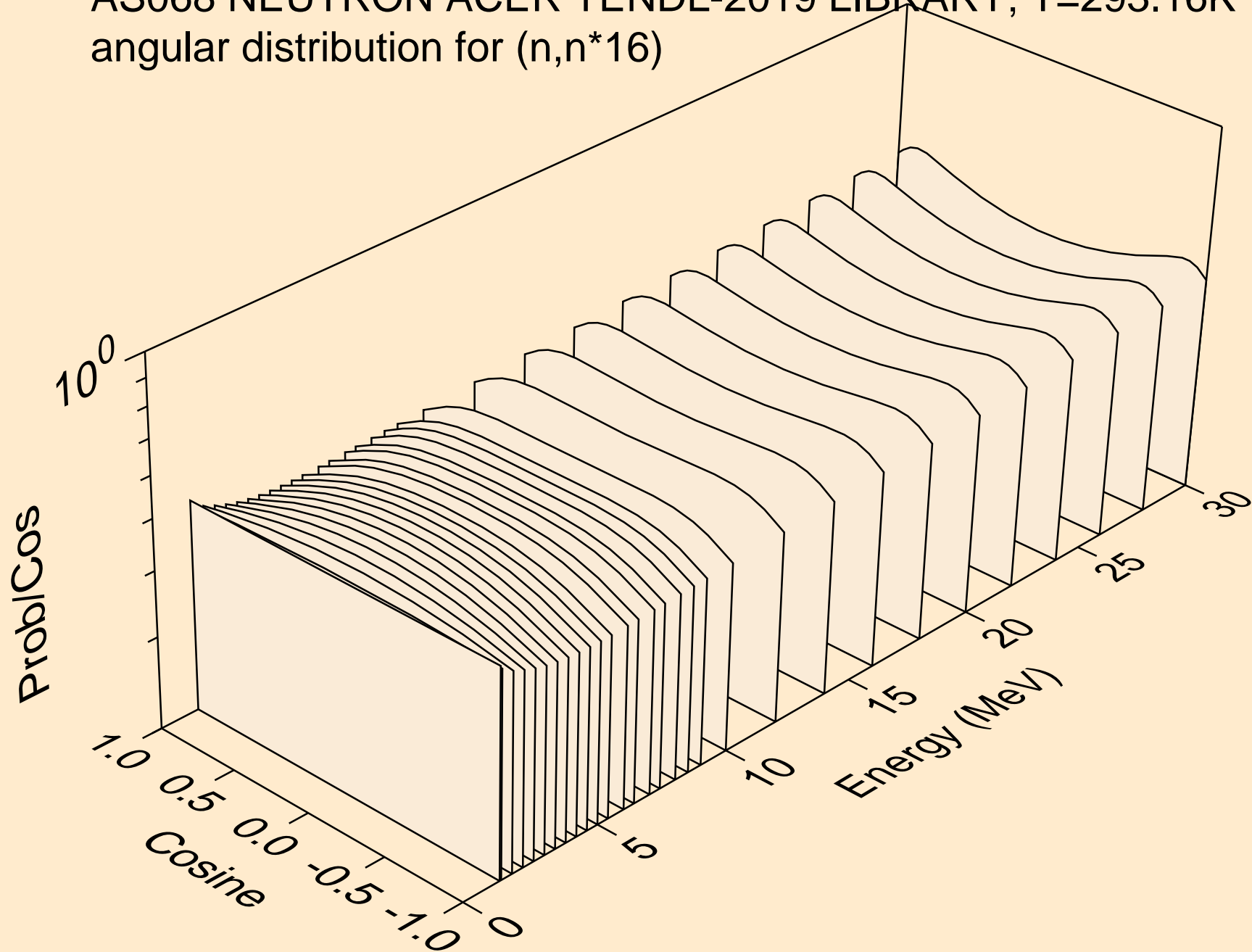
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angular distribution for (n,n\*14)



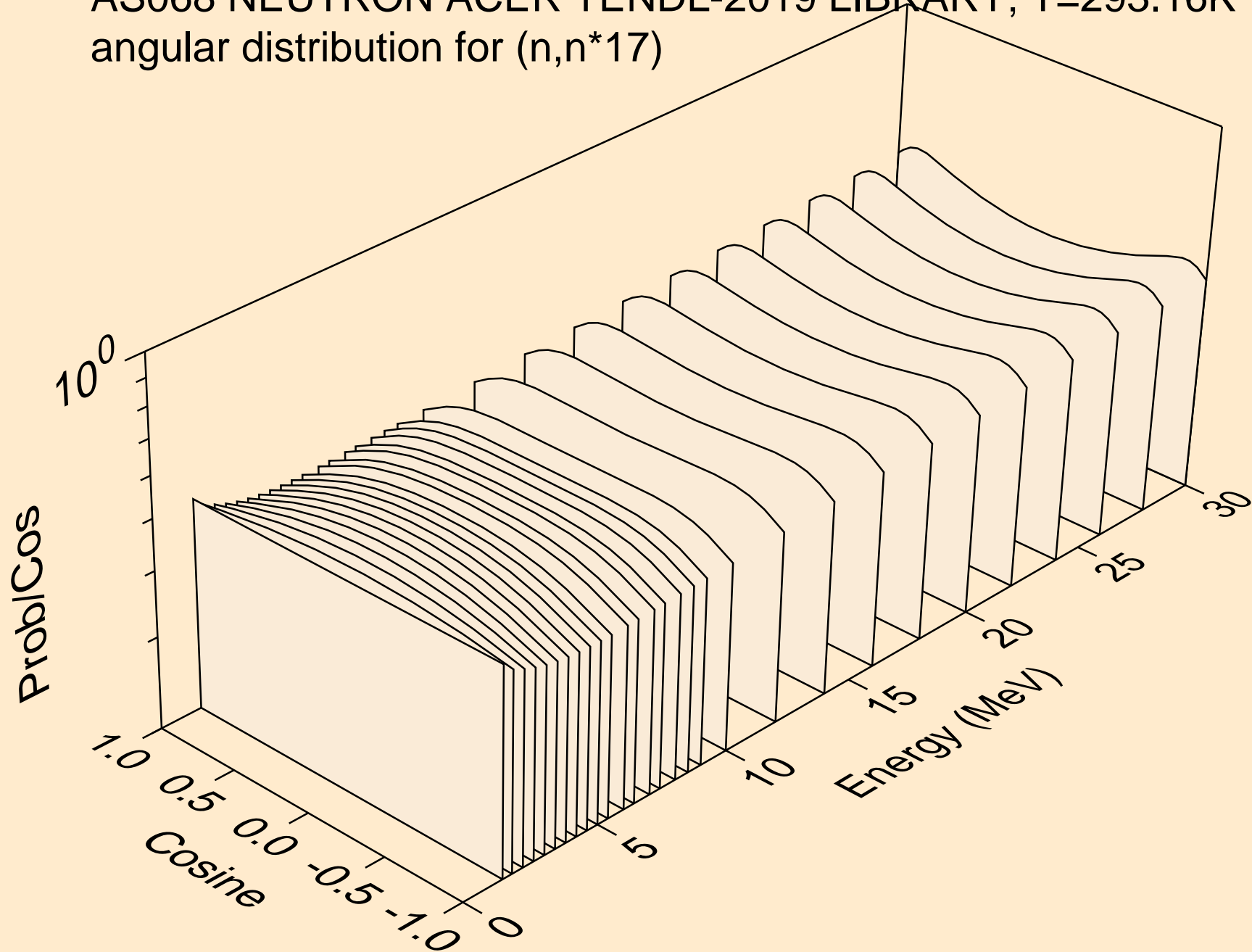
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angular distribution for (n,n\*15)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

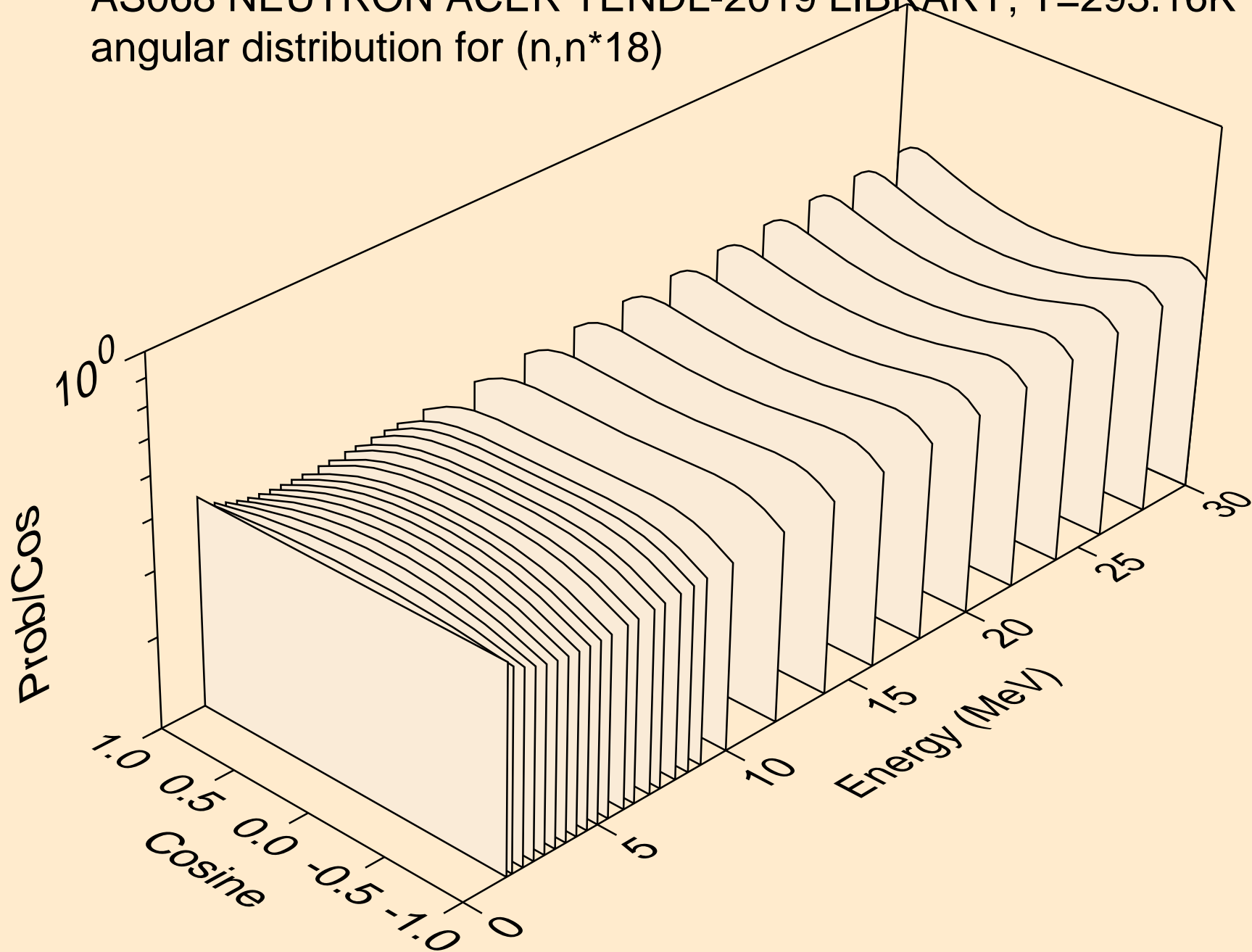


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angular distribution for (n,n\*17)

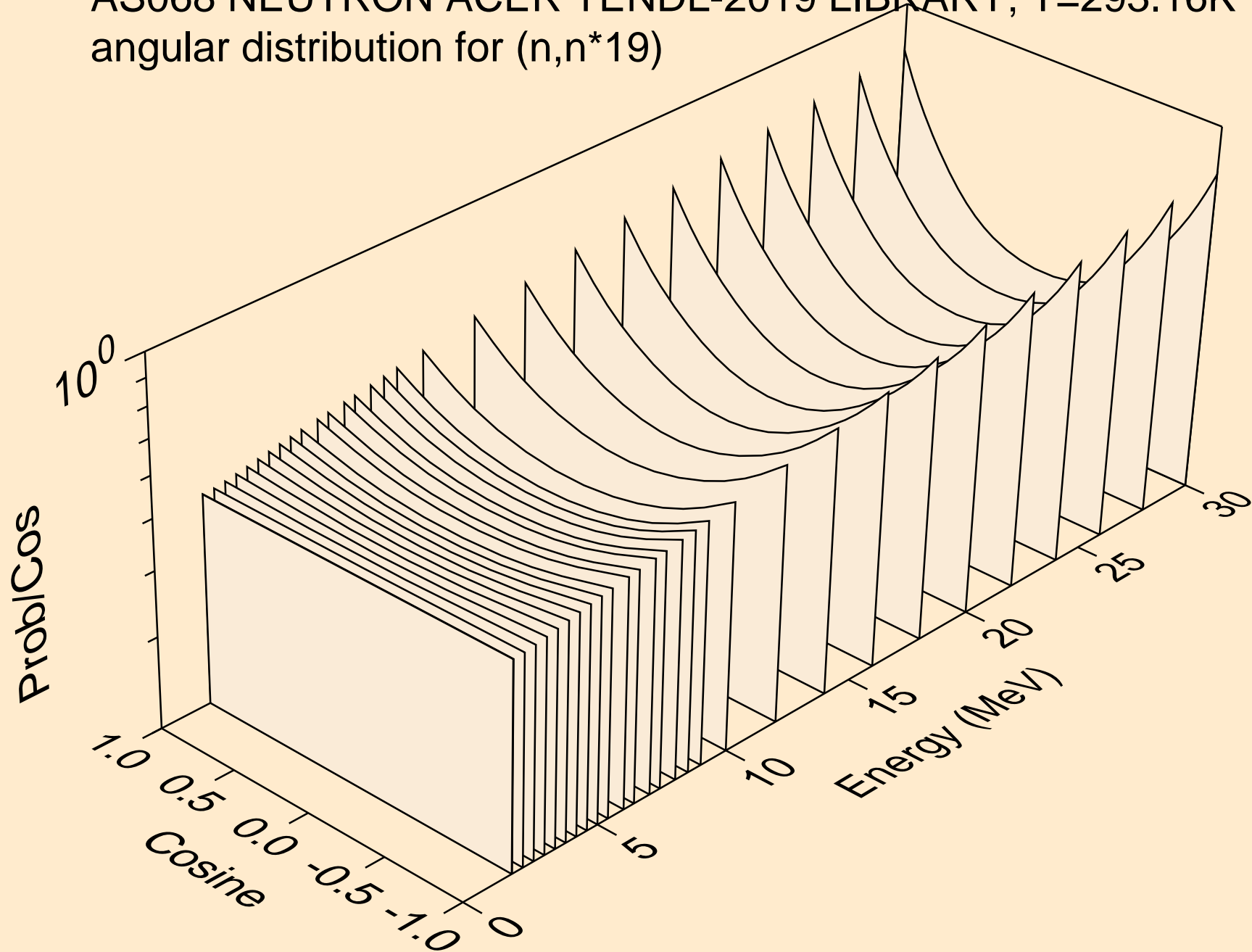




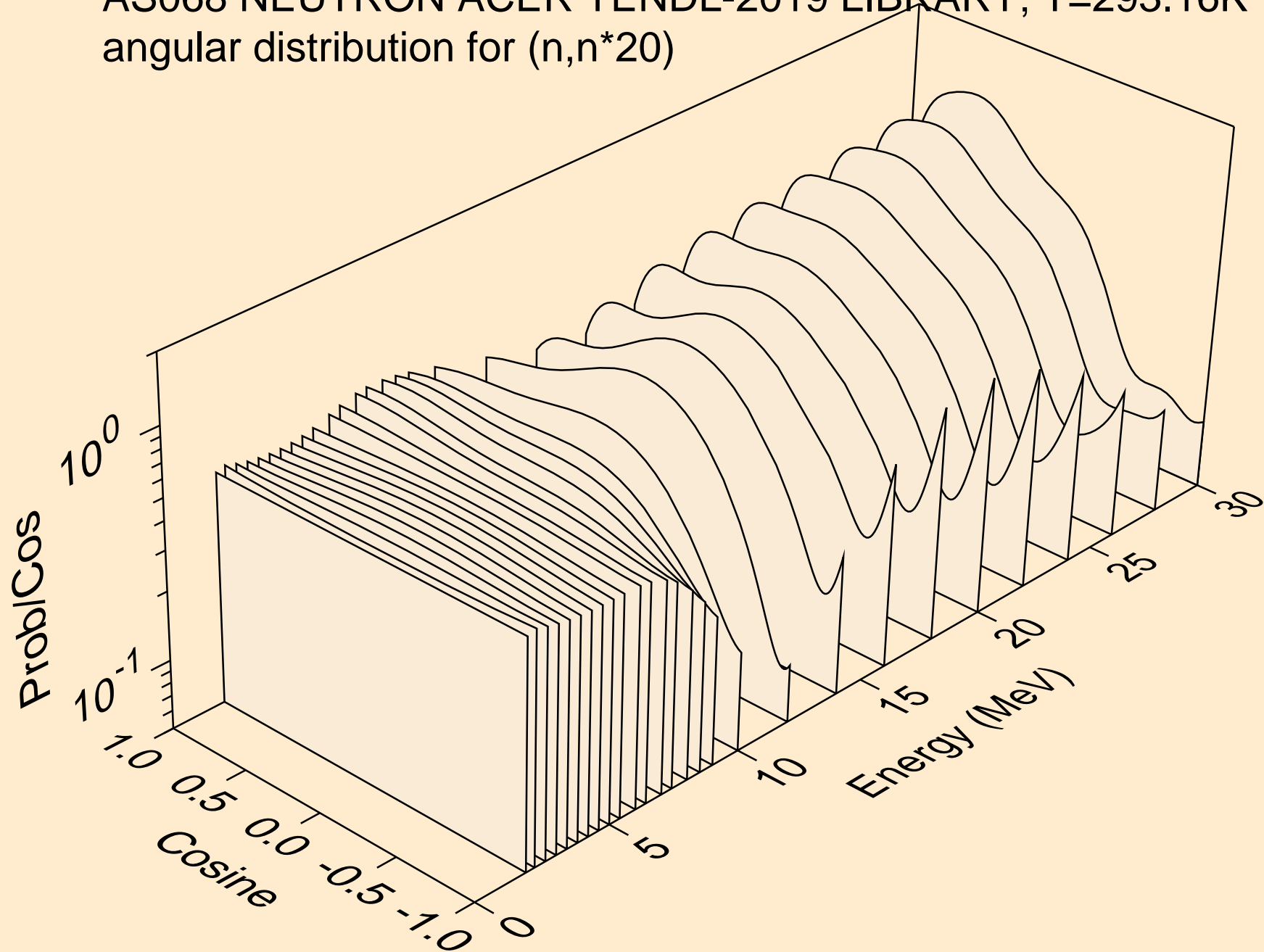
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angular distribution for (n,n\*18)



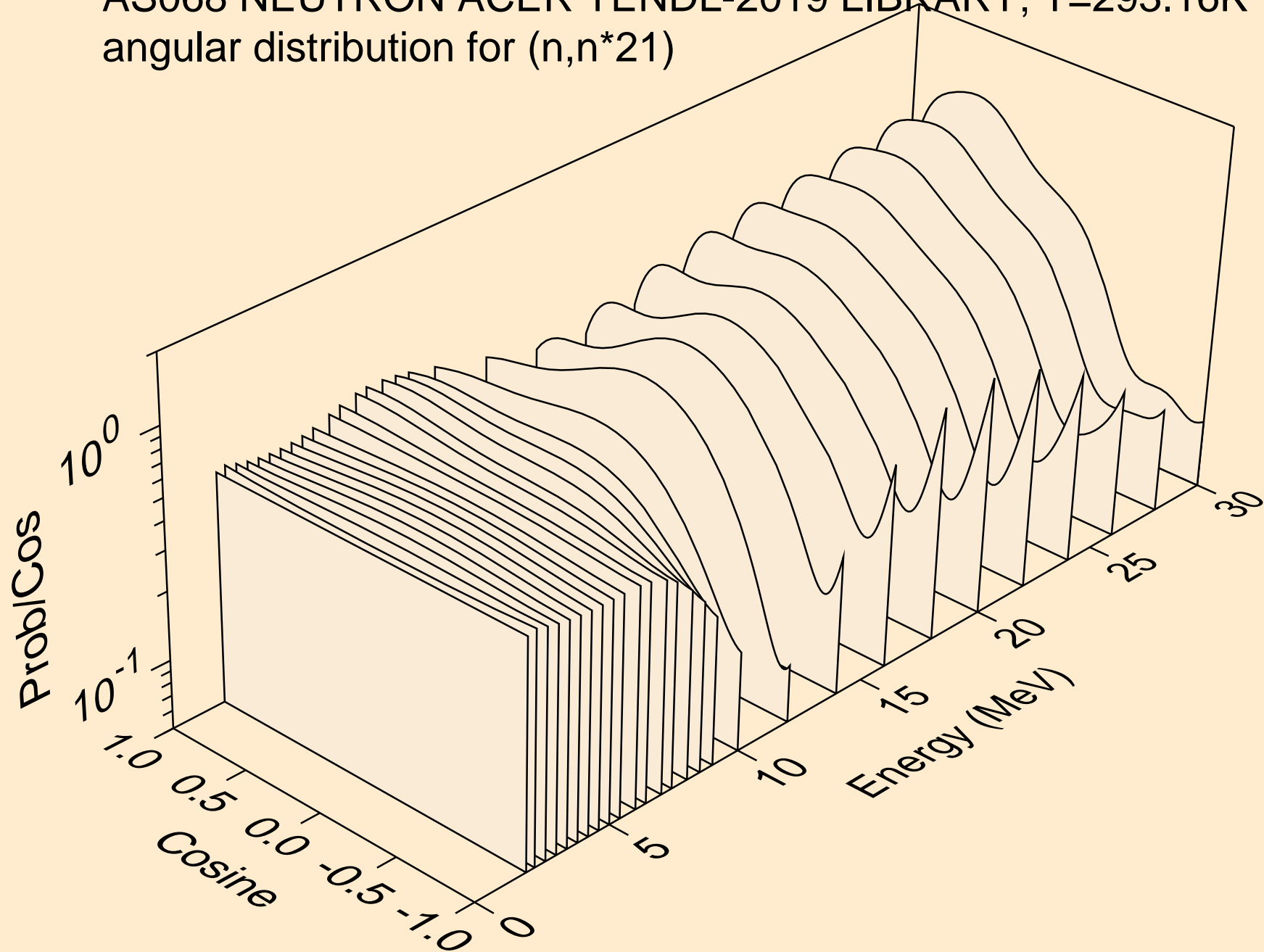
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angular distribution for (n,n\*19)



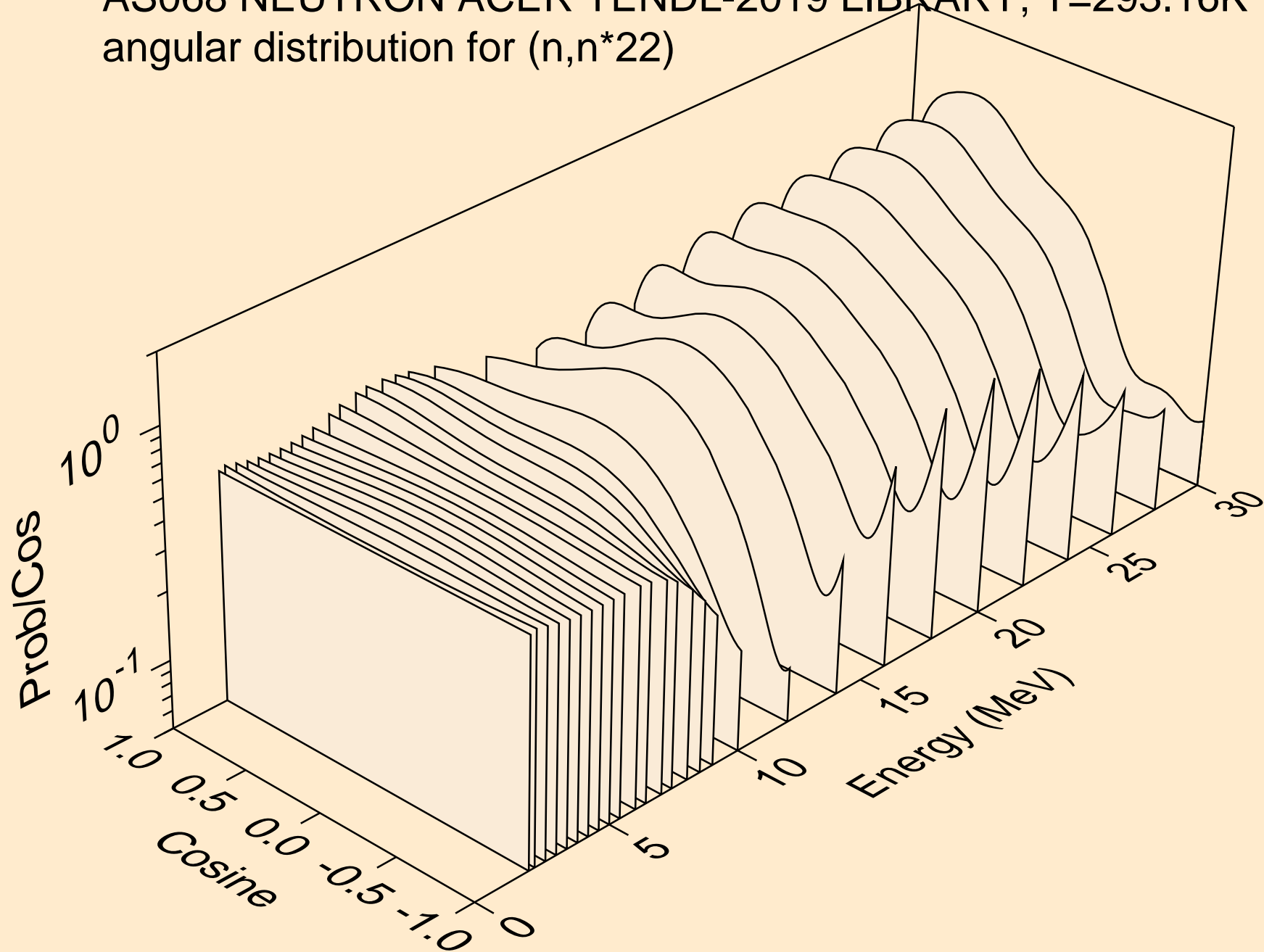
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angular distribution for (n,n\*20)



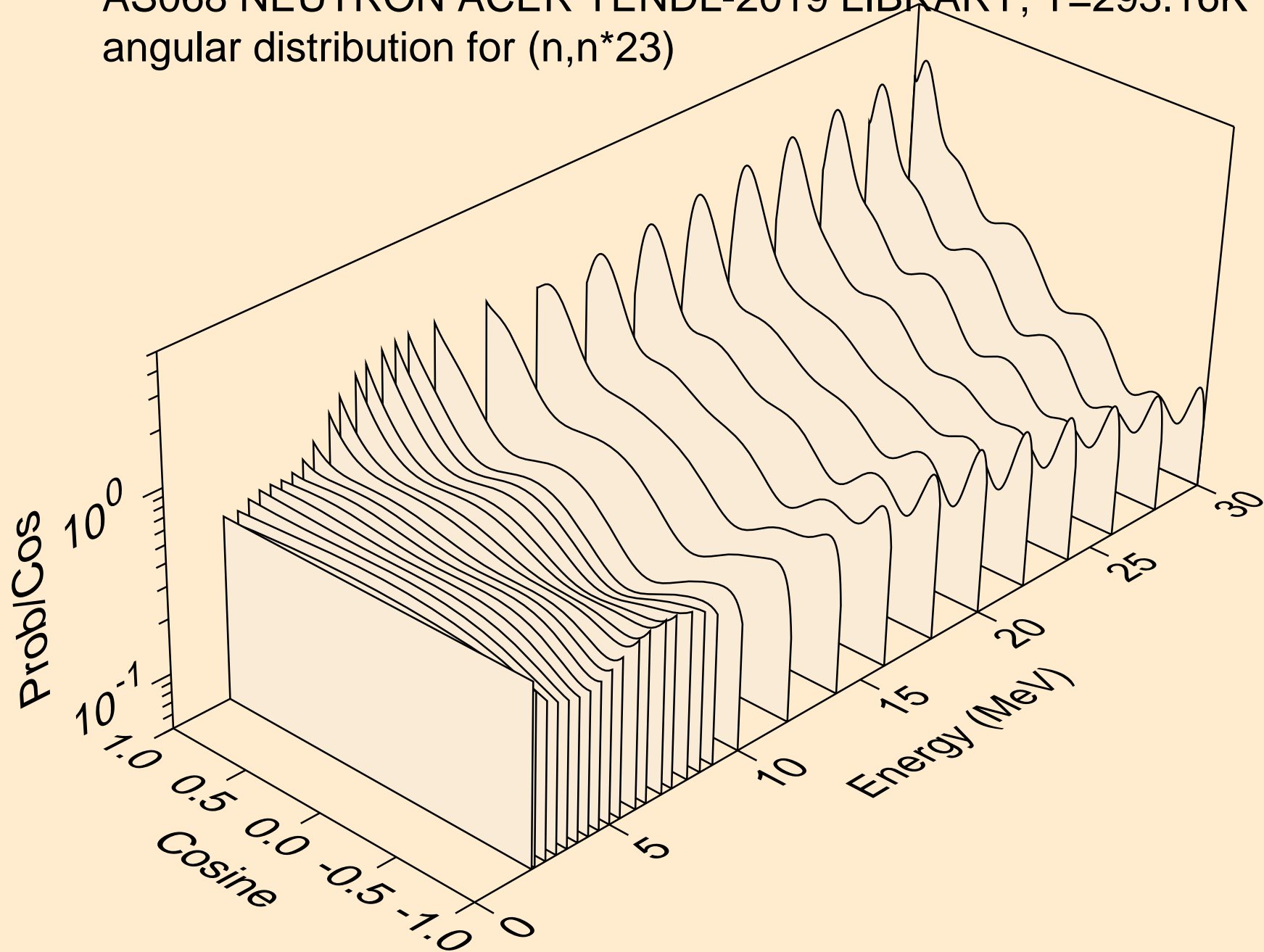
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angular distribution for (n,n\*21)



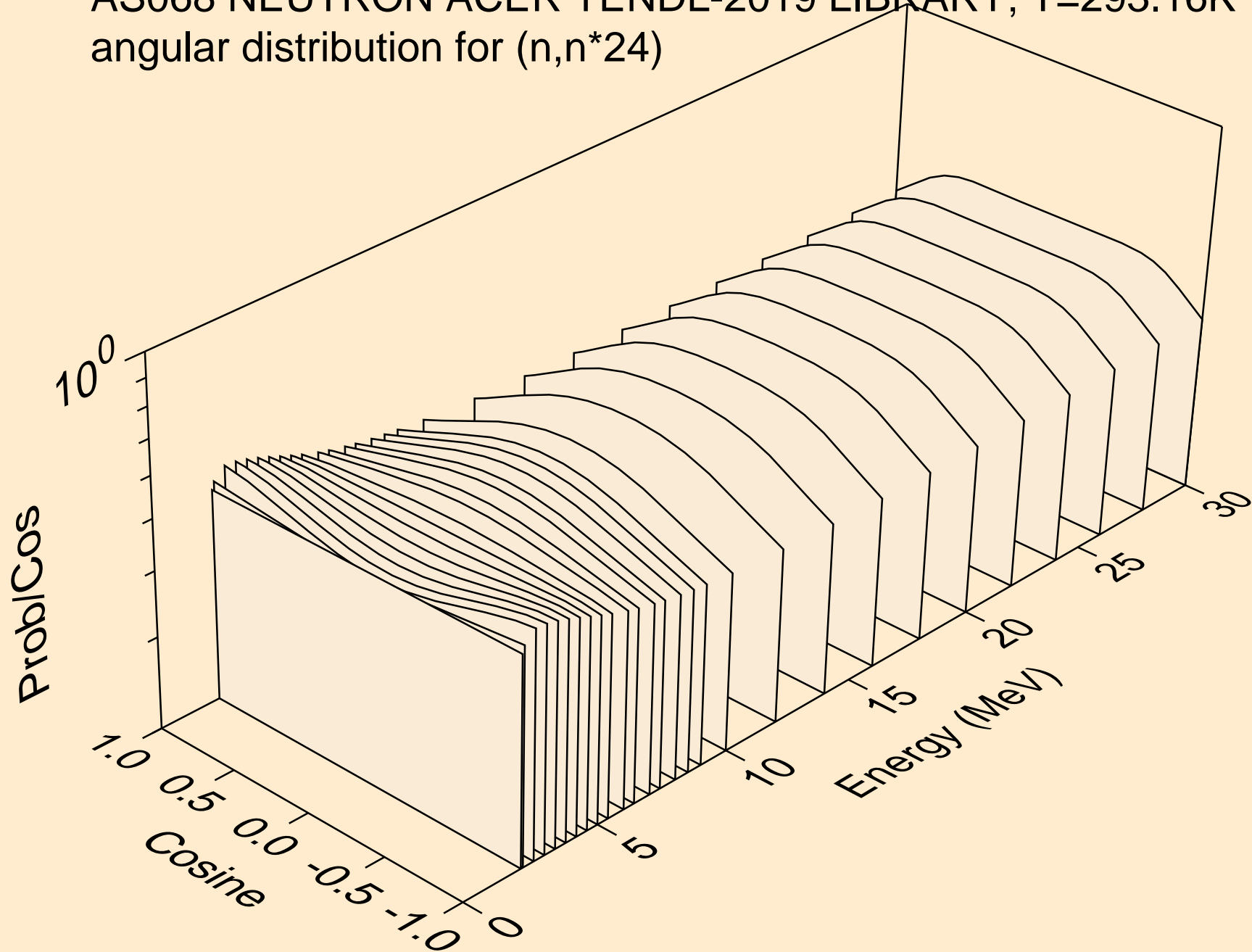
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angular distribution for (n,n\*22)



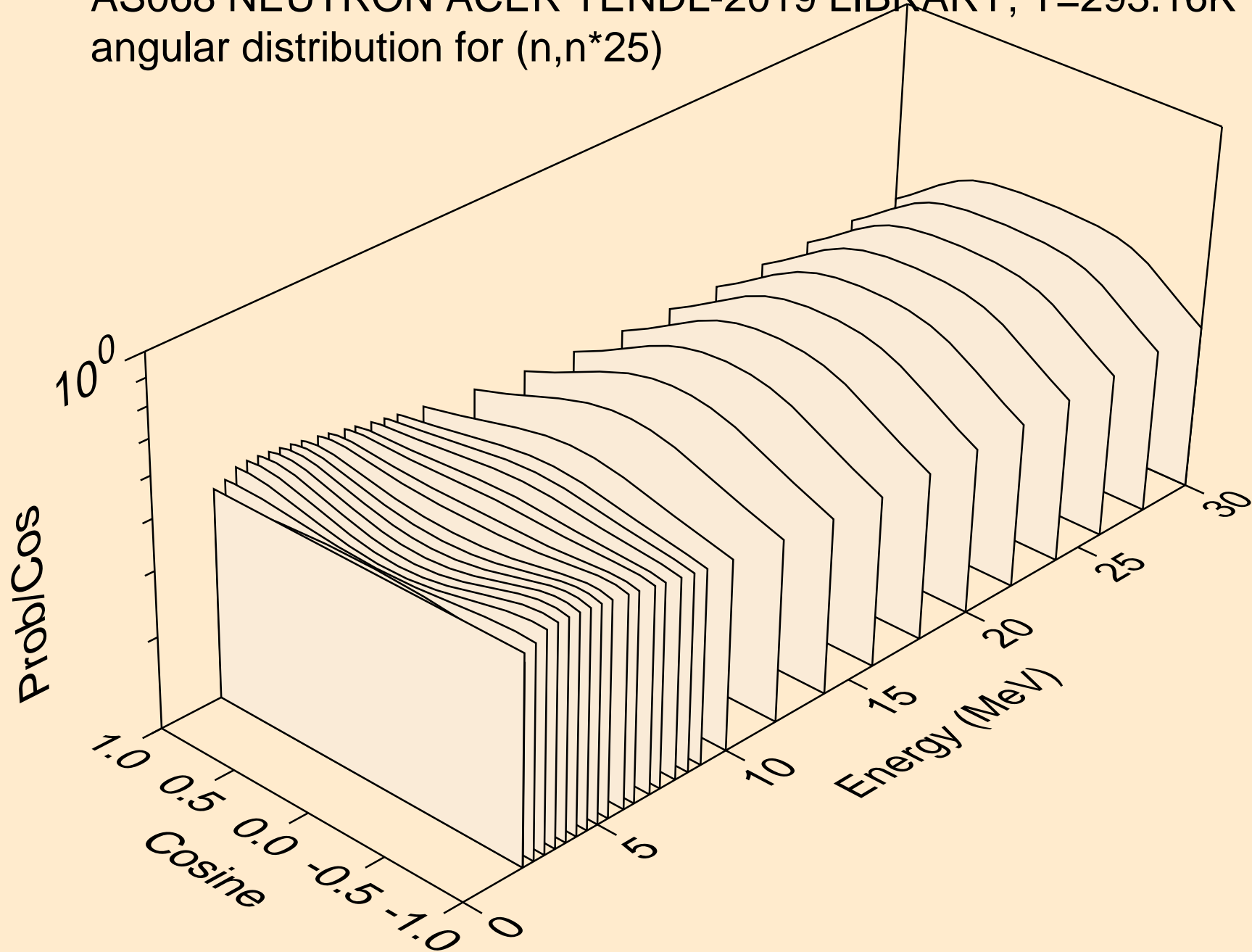
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

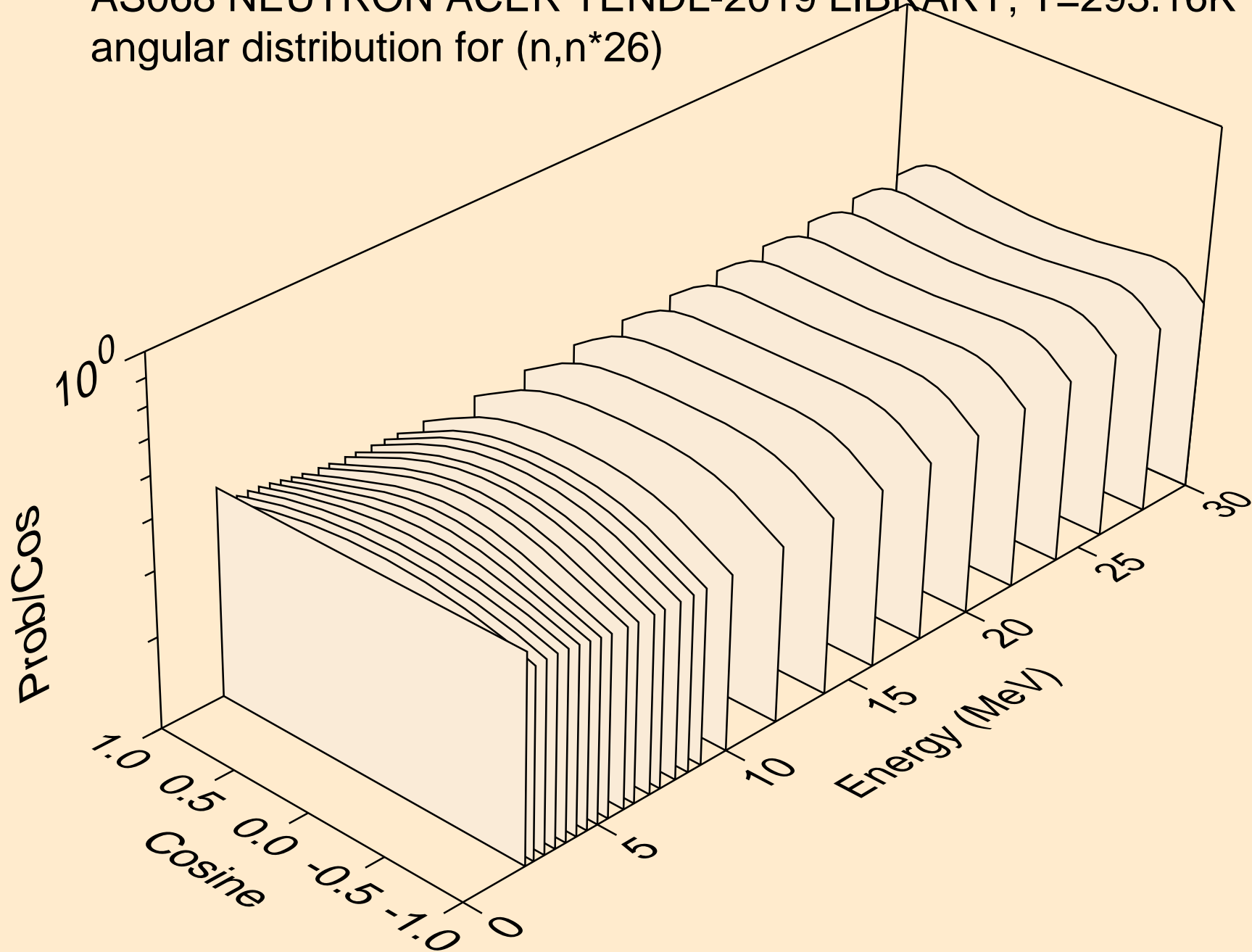


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

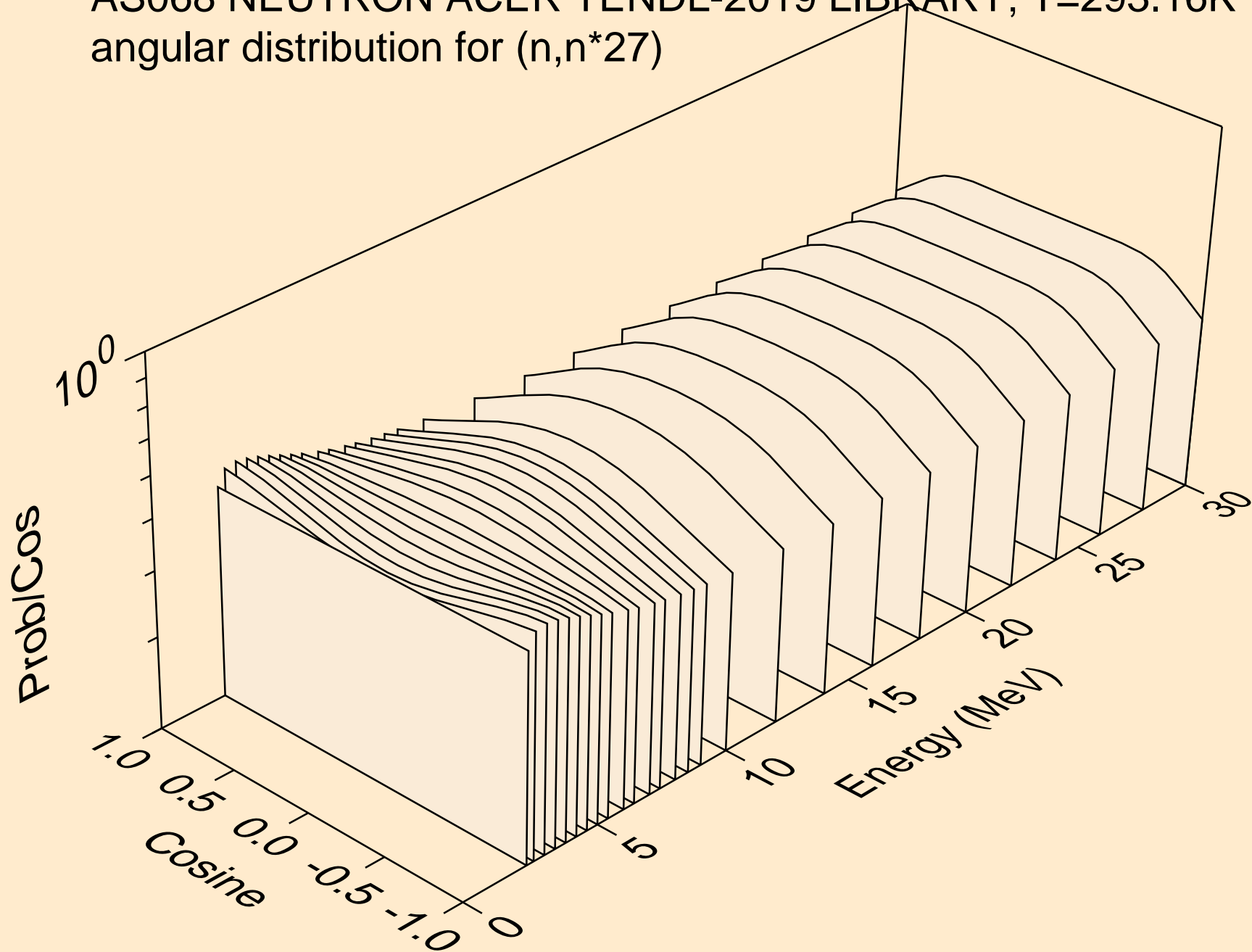




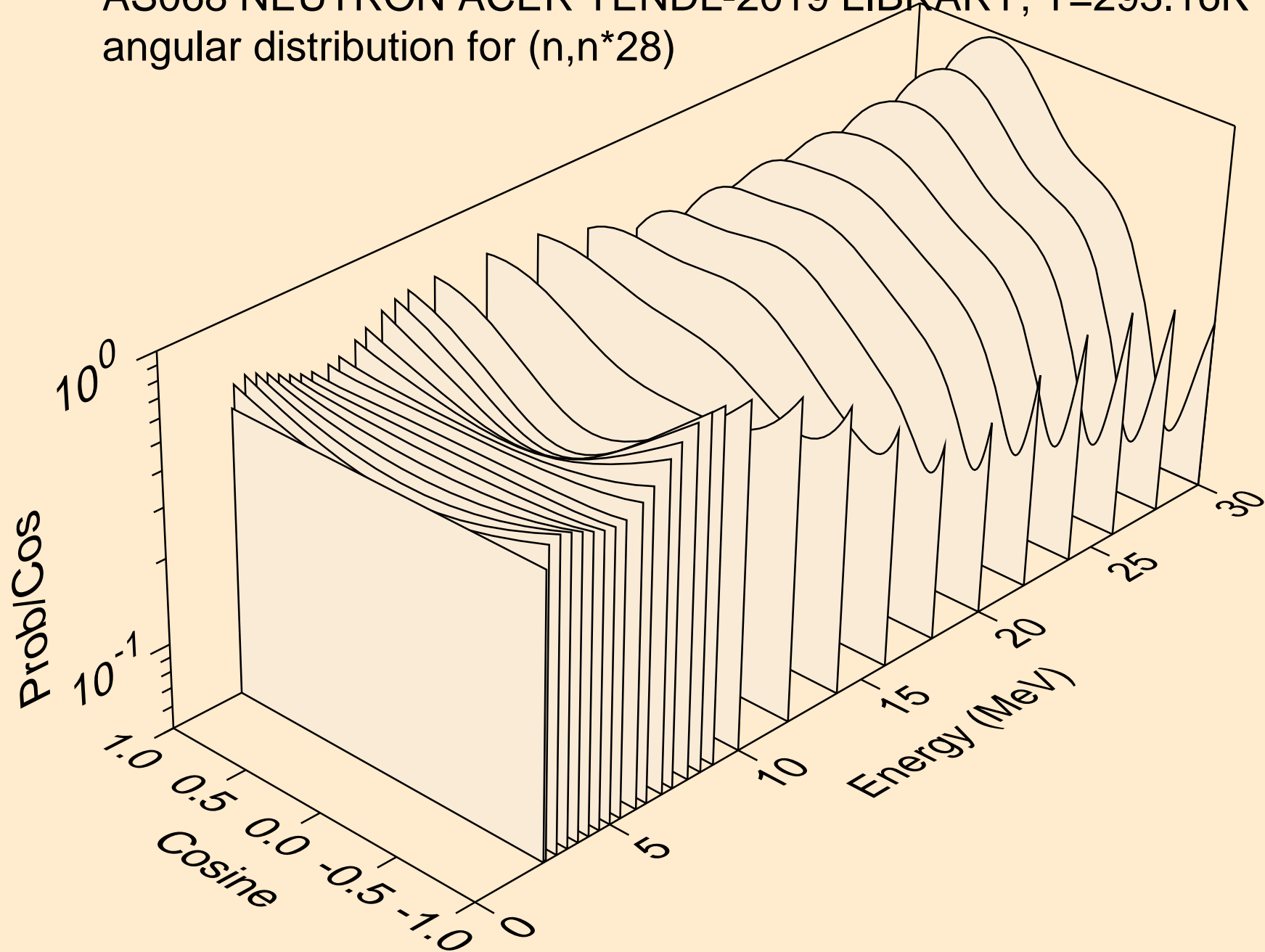
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angular distribution for (n,n\*26)



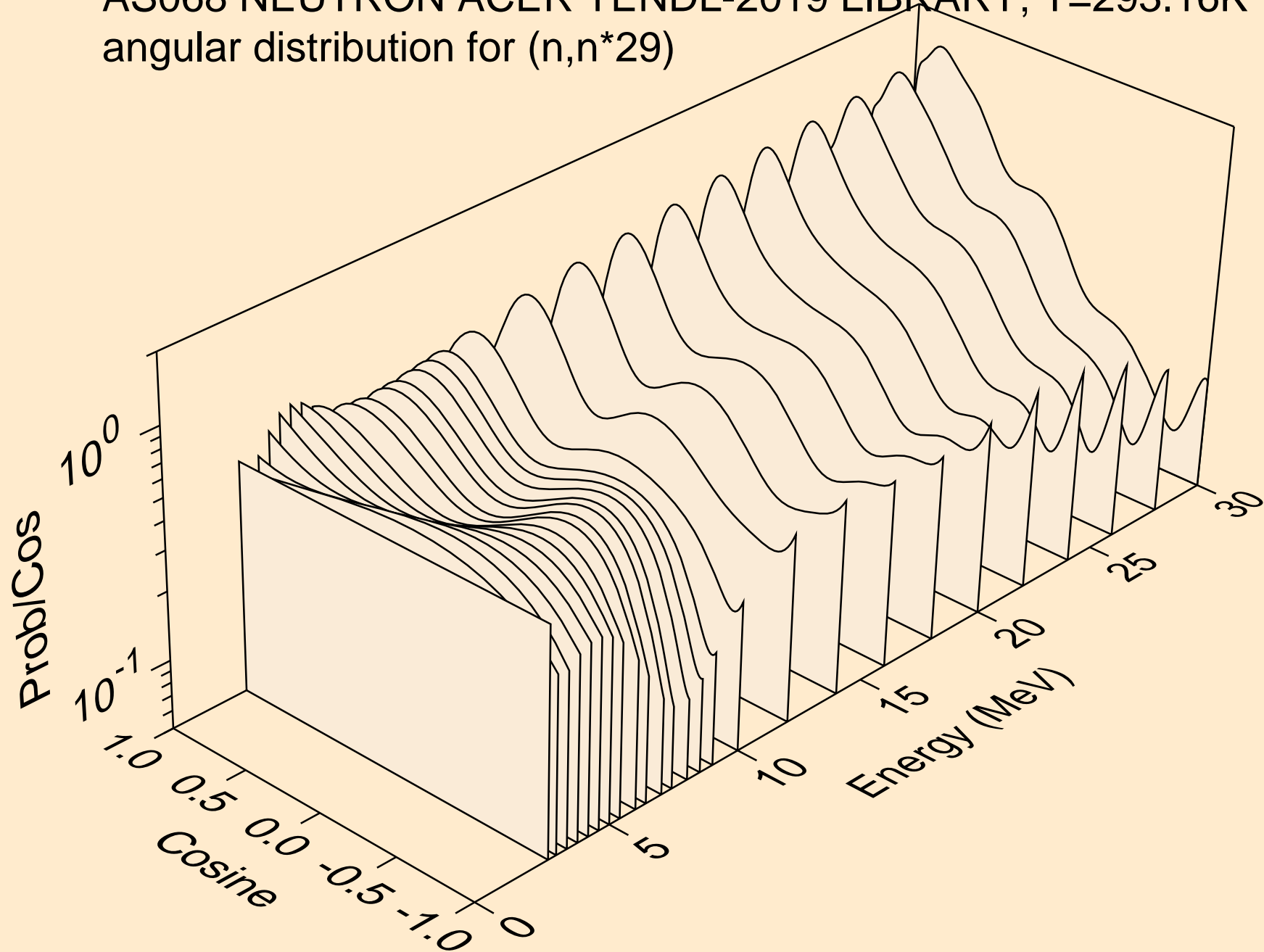
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angular distribution for (n,n\*27)



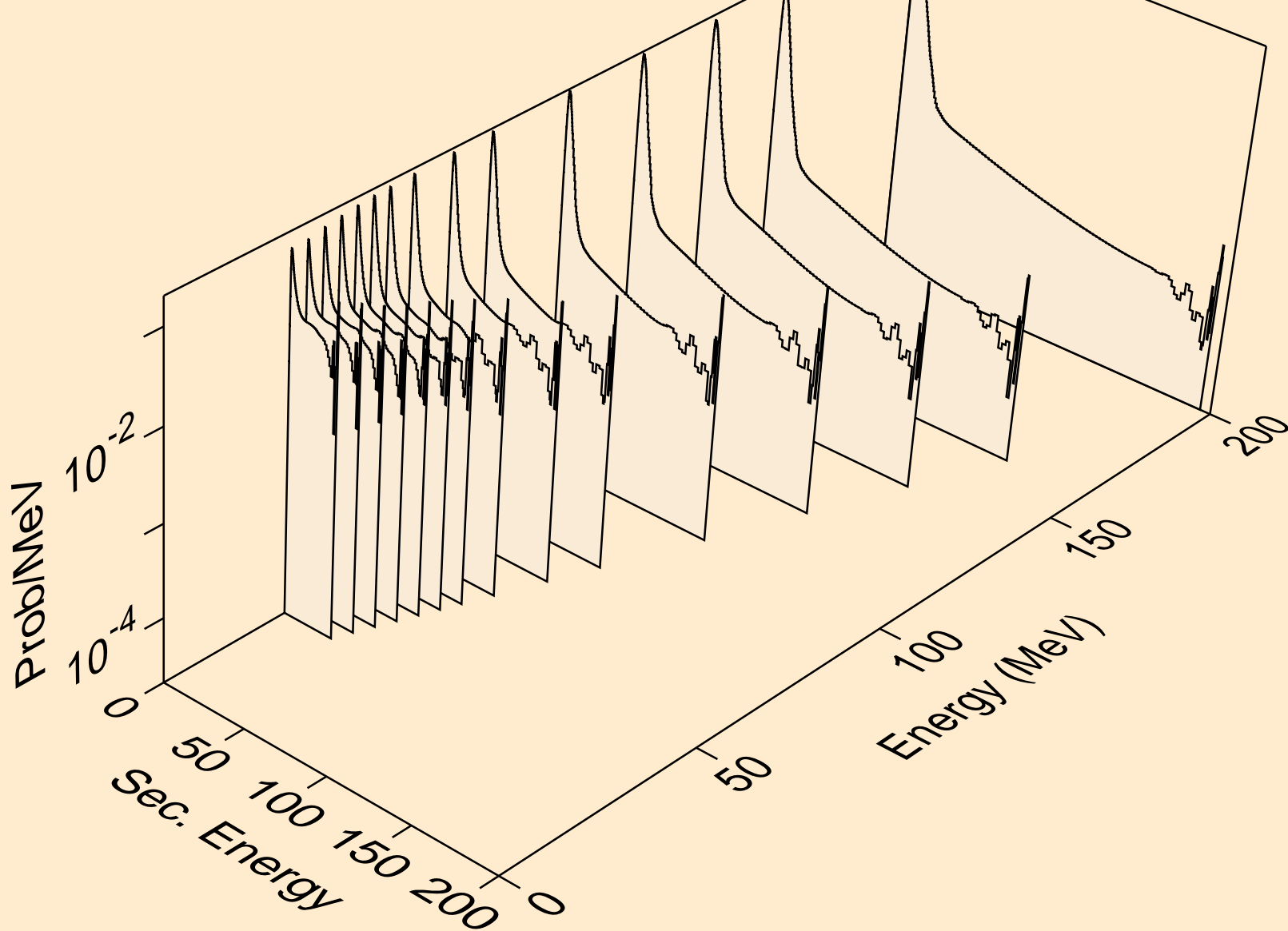
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angular distribution for (n,n\*28)



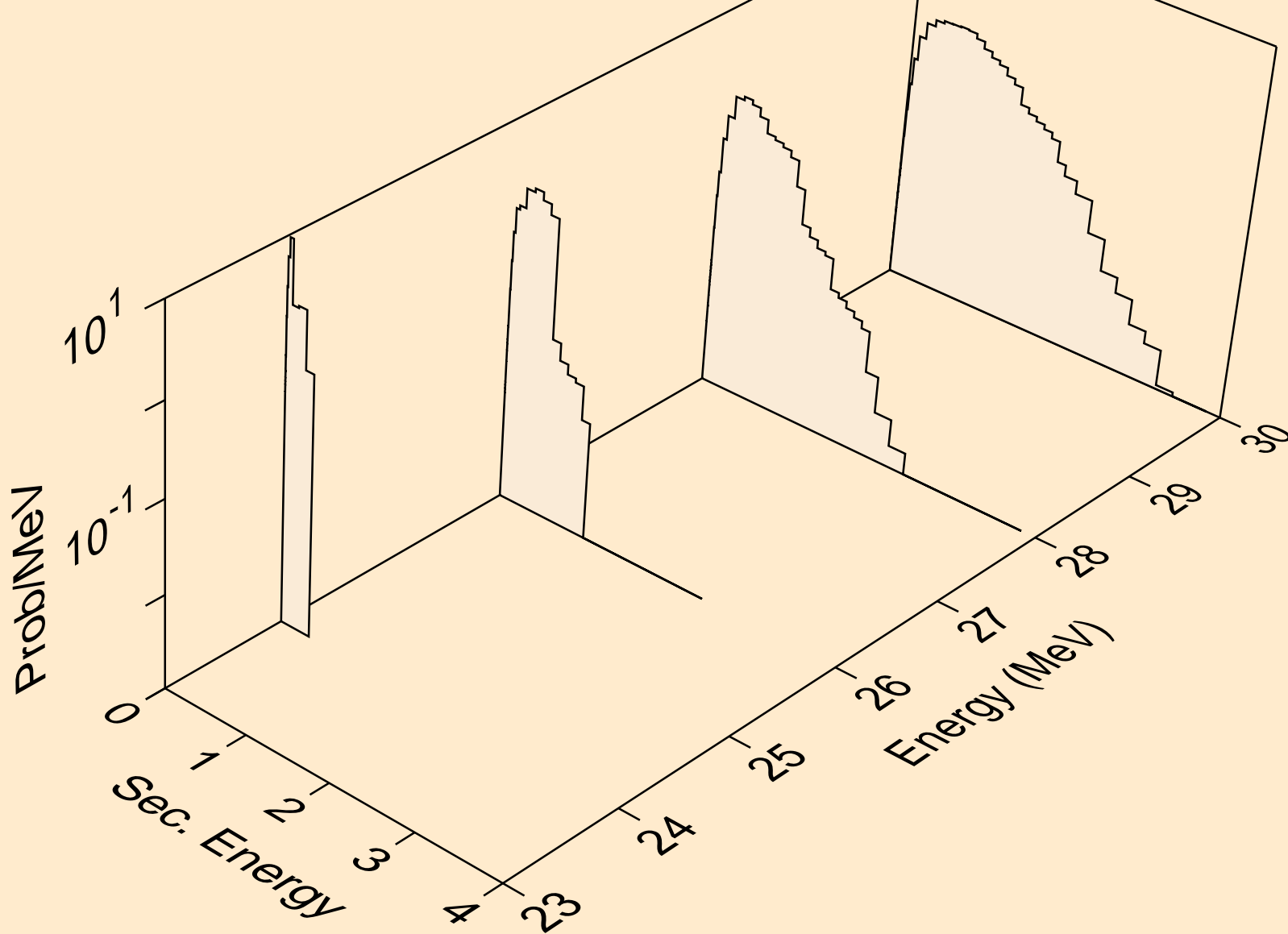
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angular distribution for (n,n\*29)



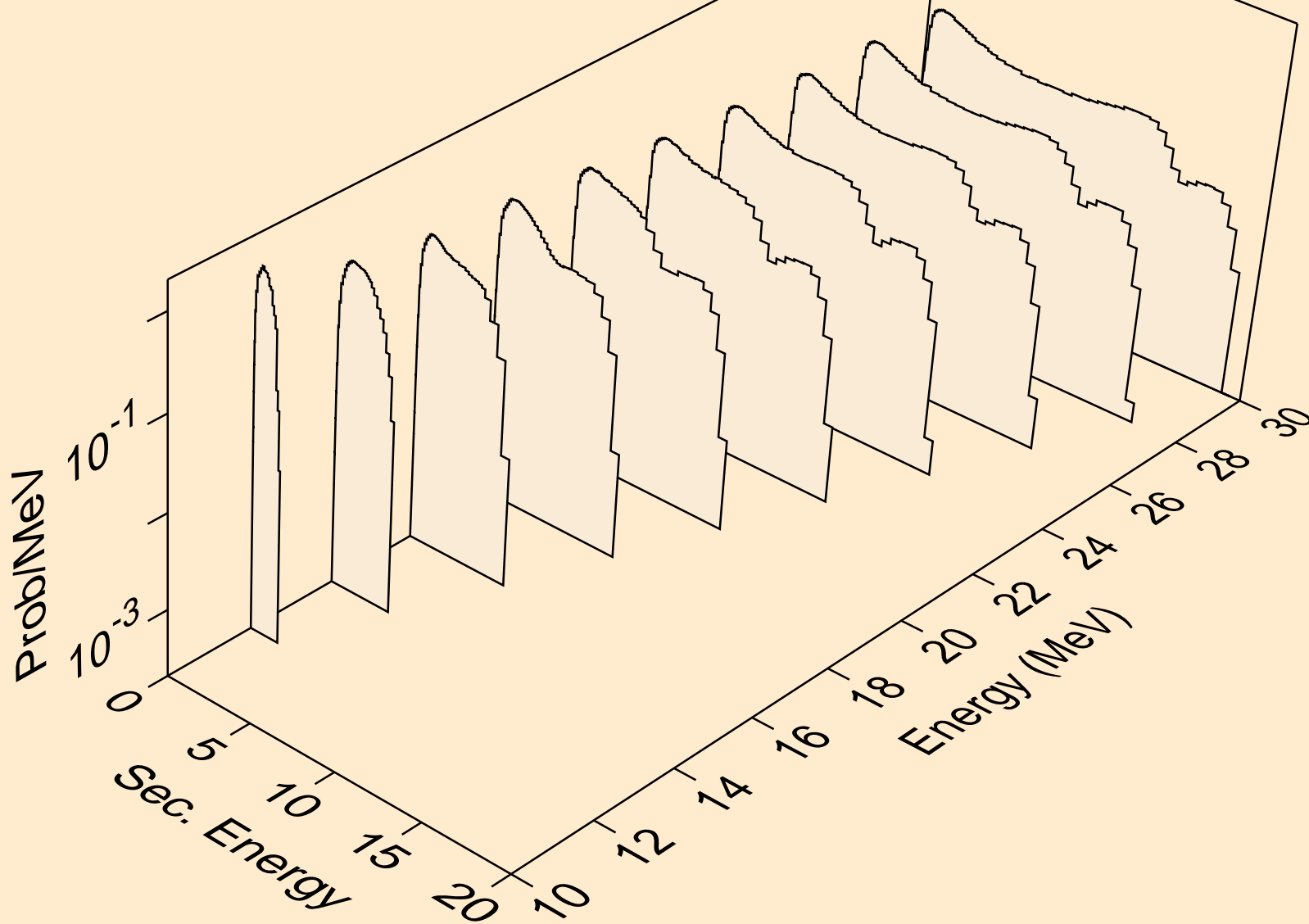
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



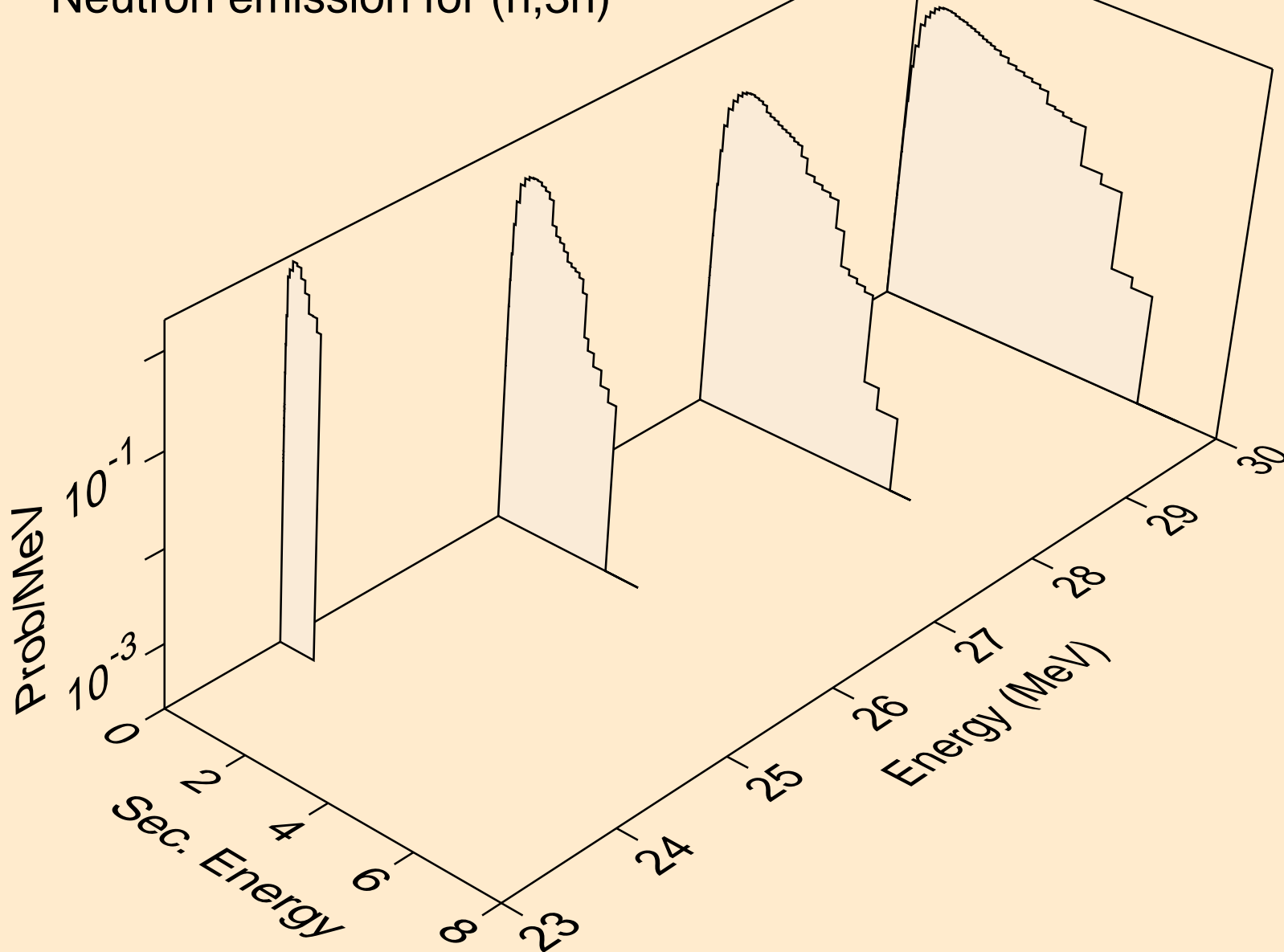
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

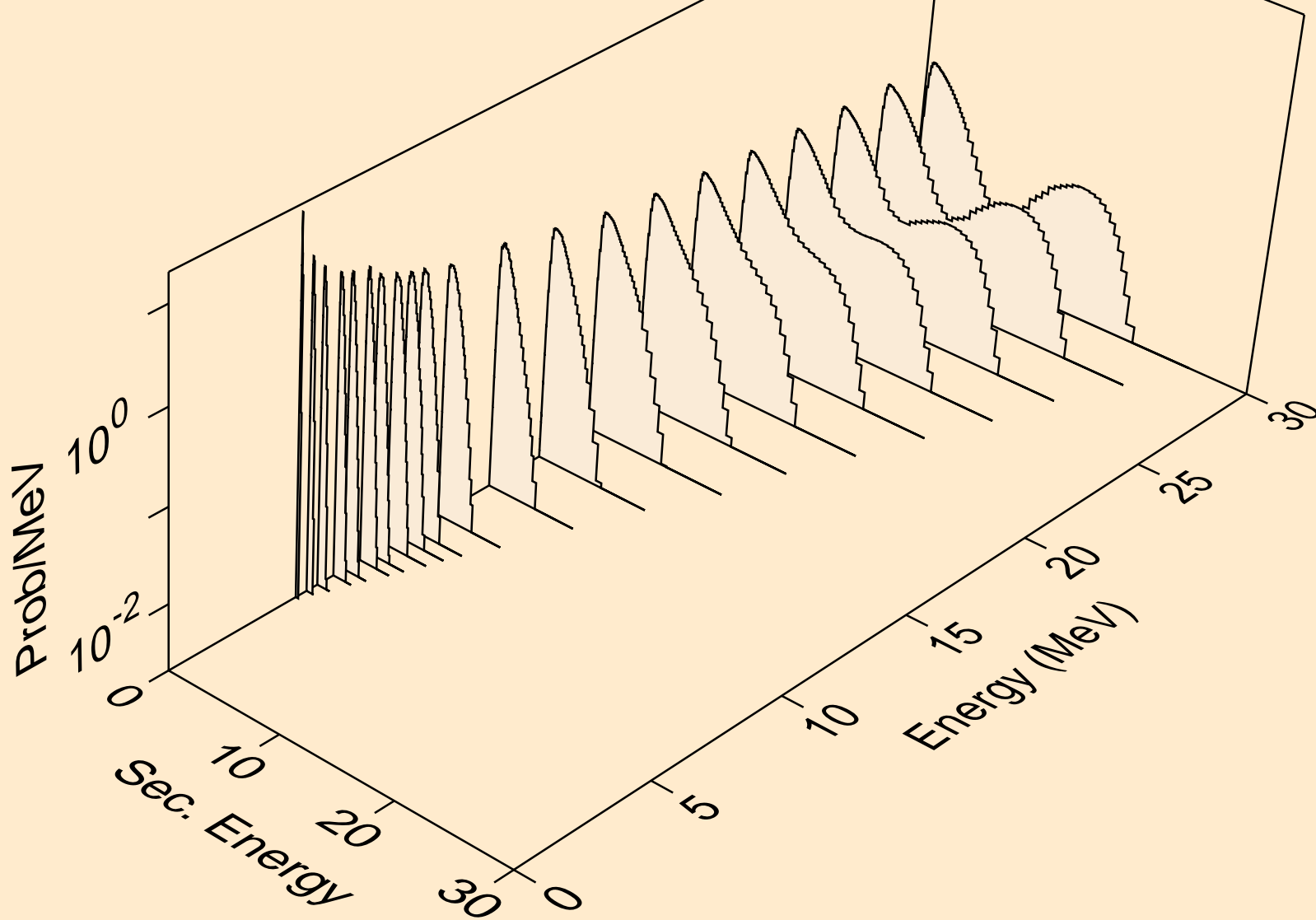


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

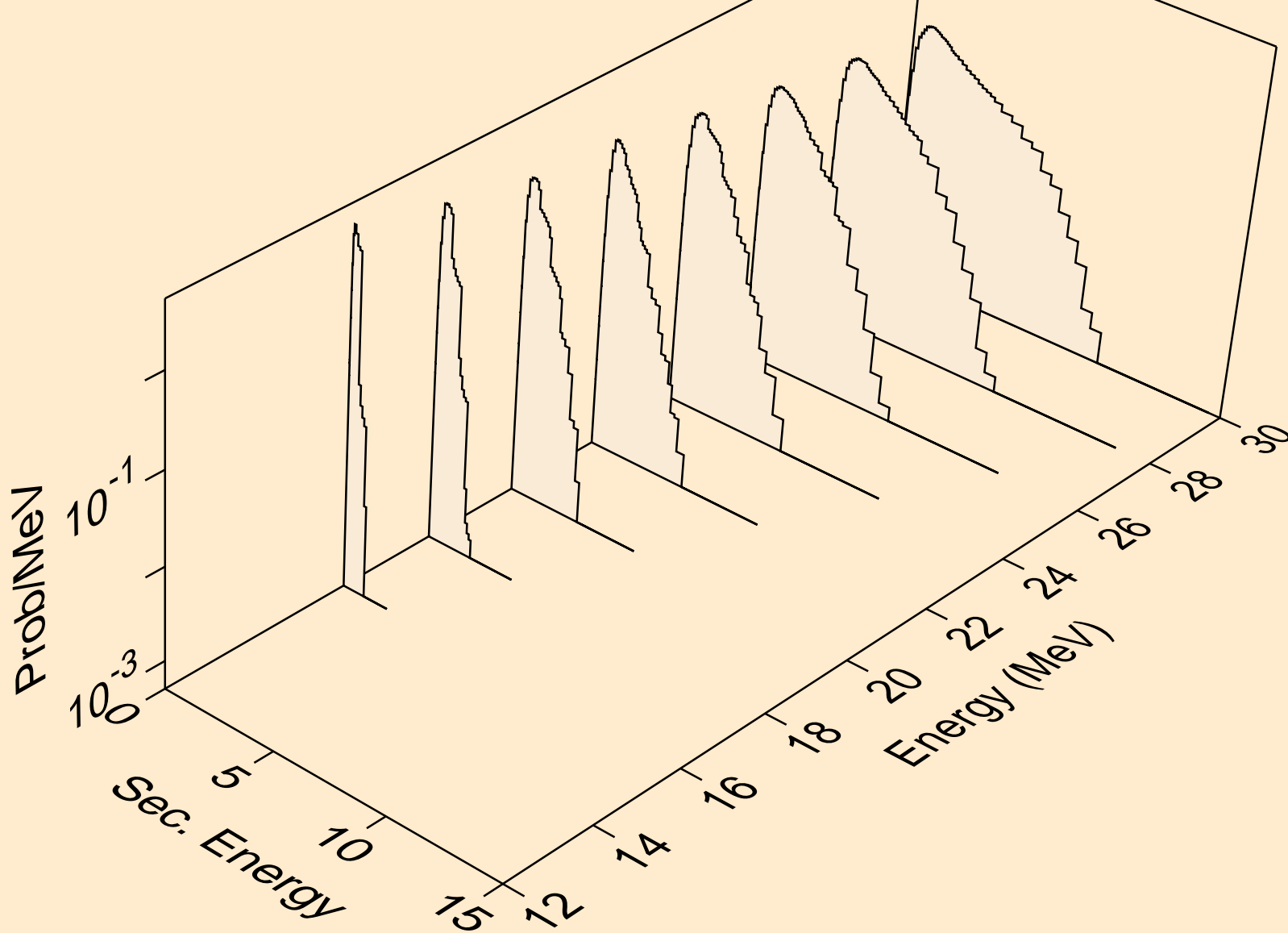




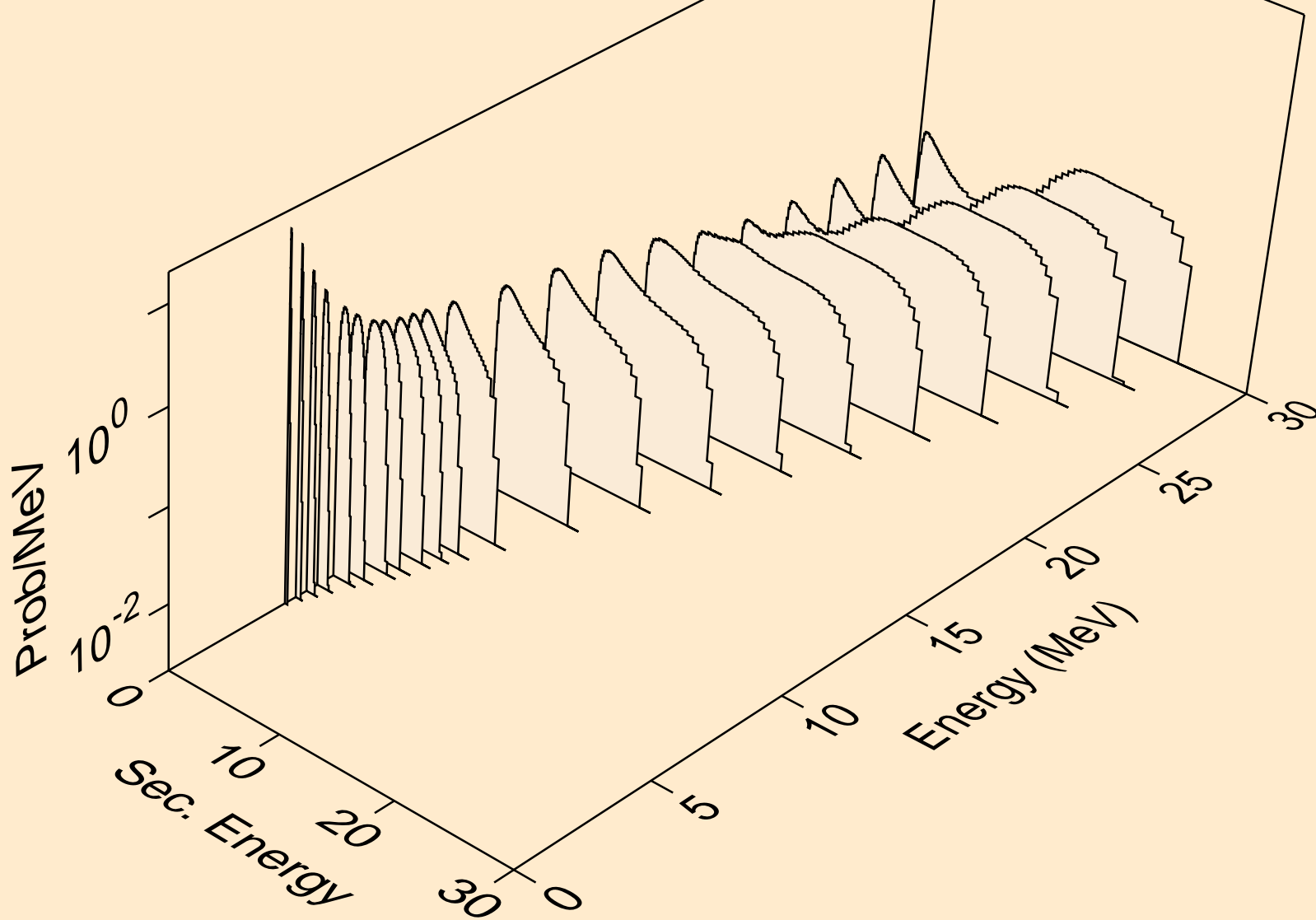
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



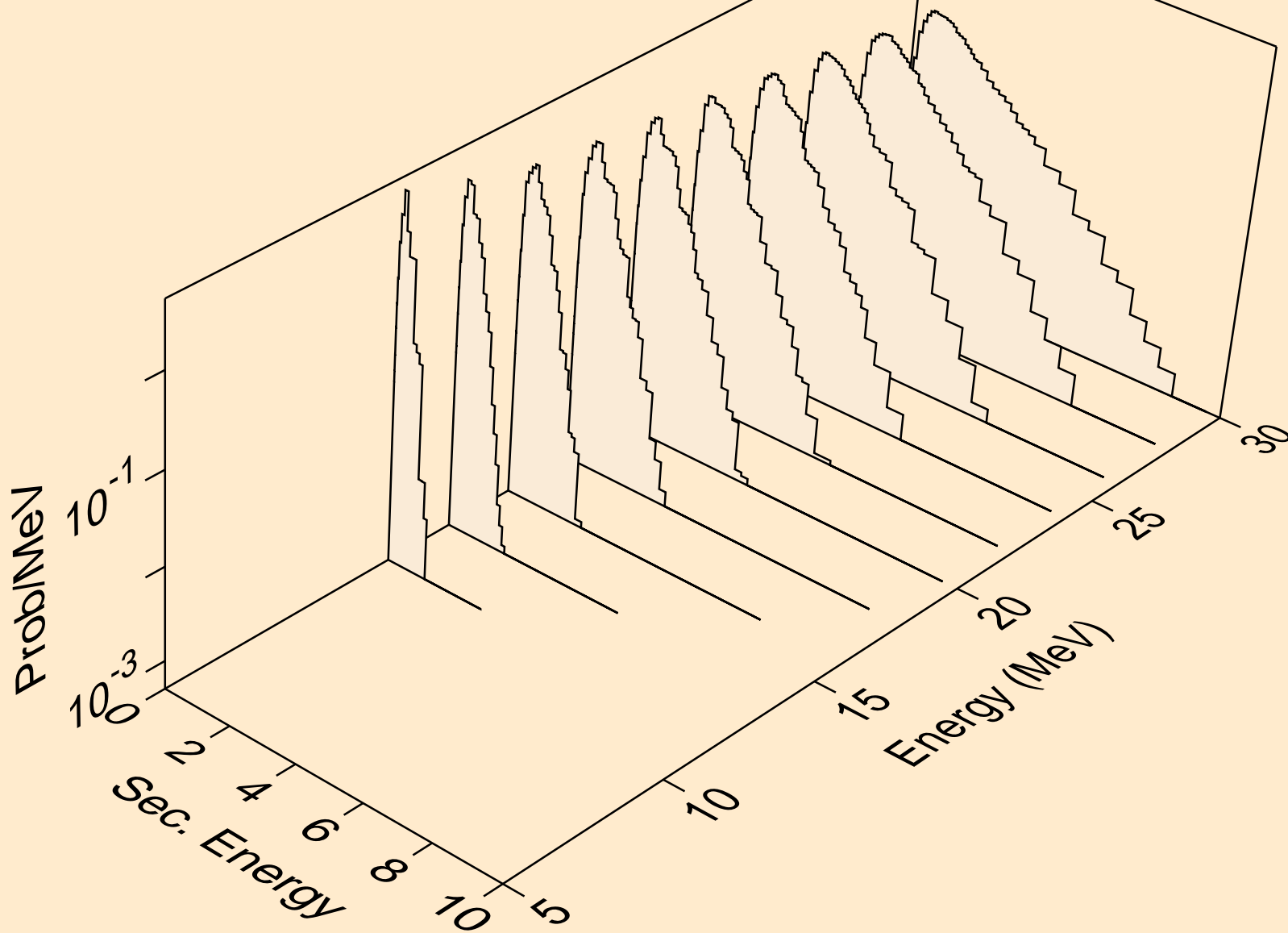
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Neutron emission for (n,2n)a



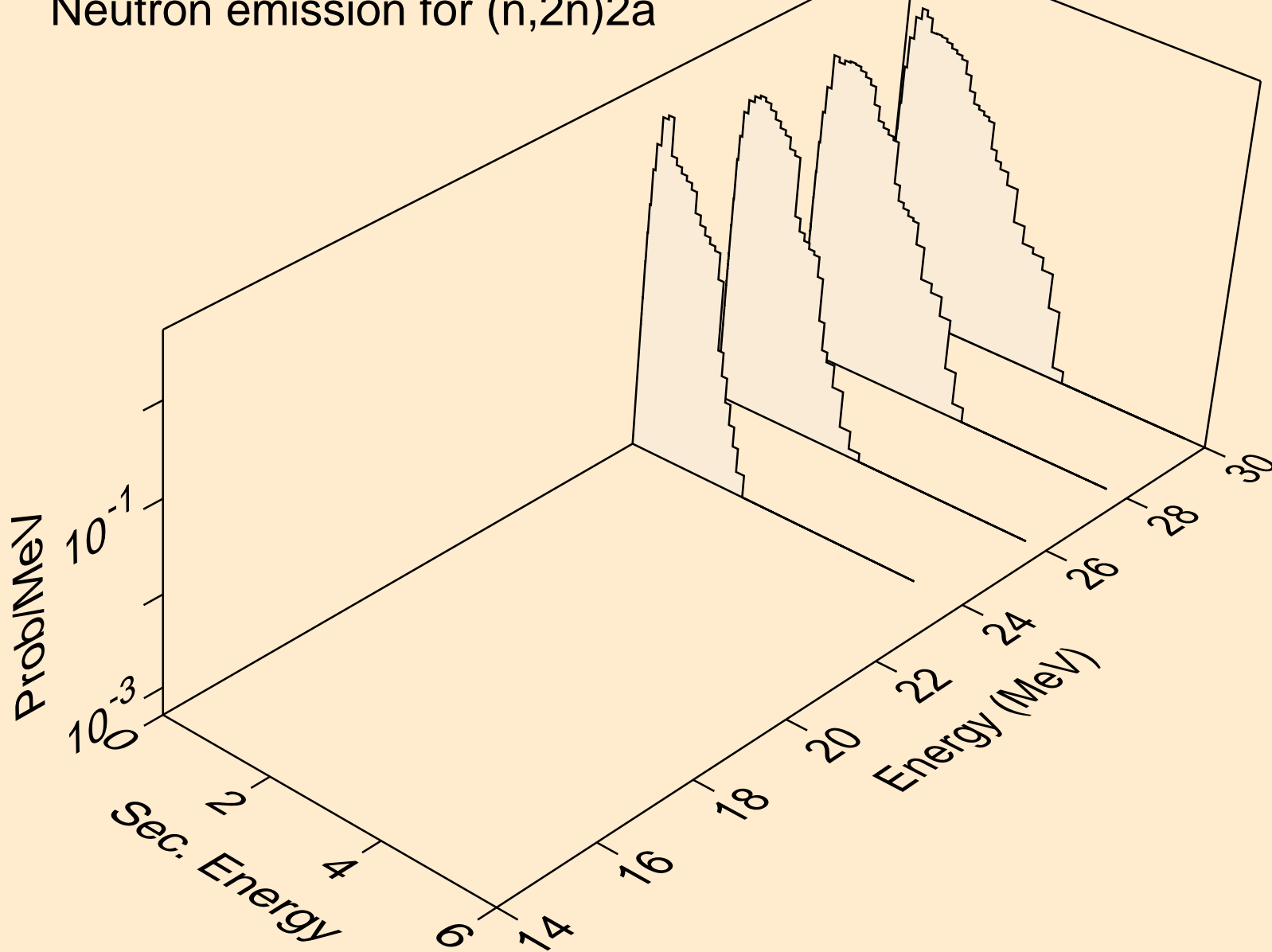
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



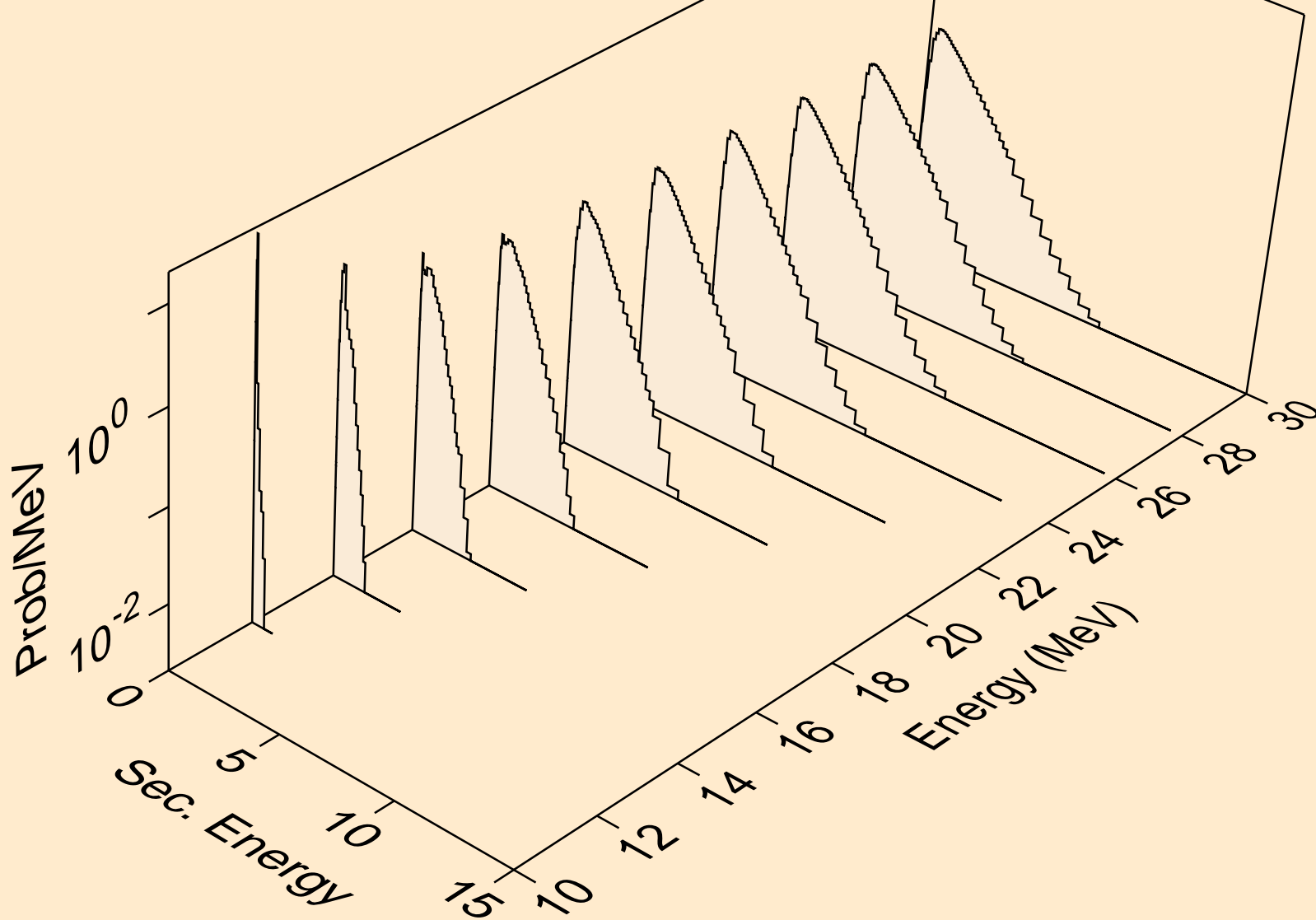
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



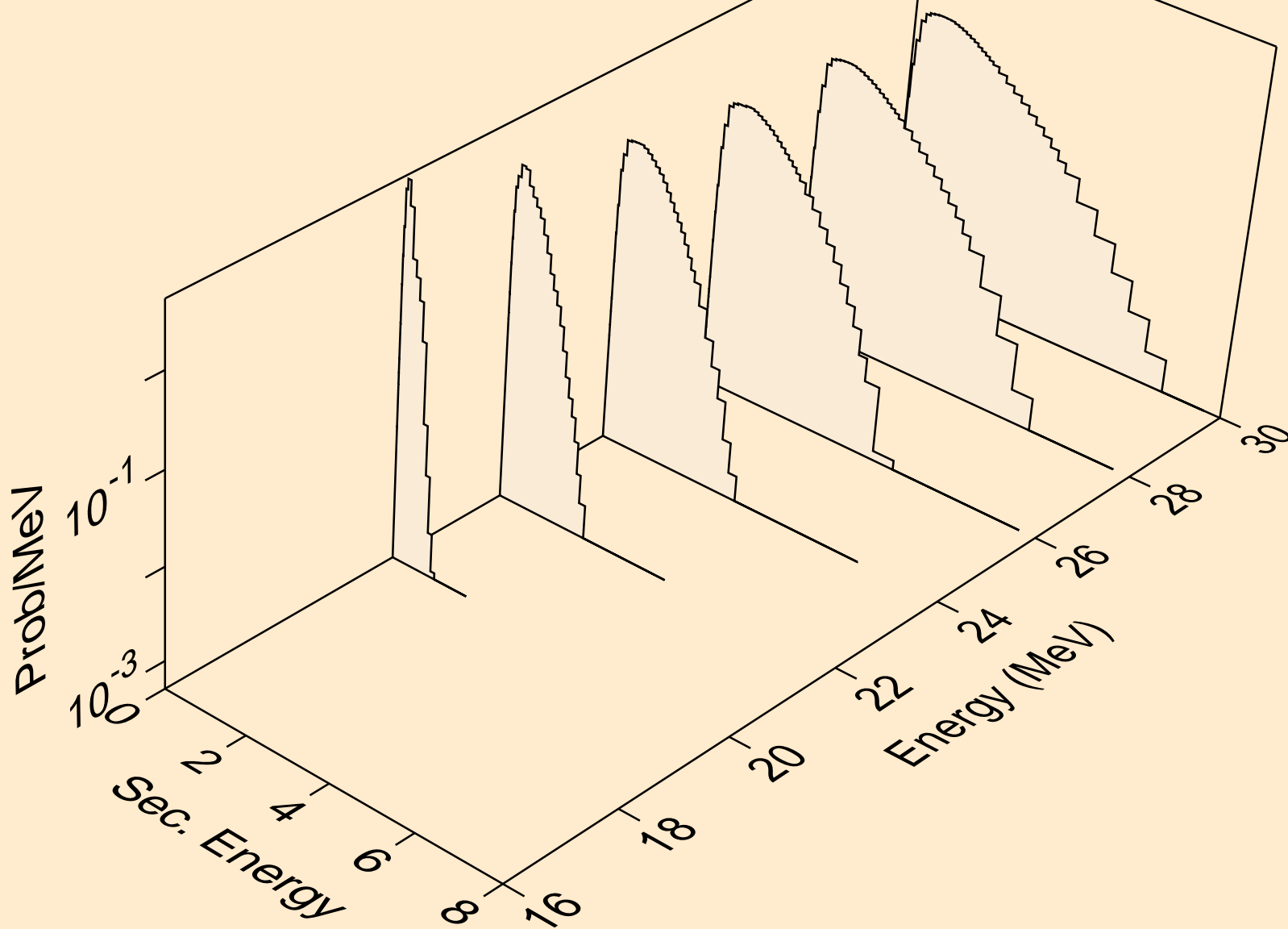
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



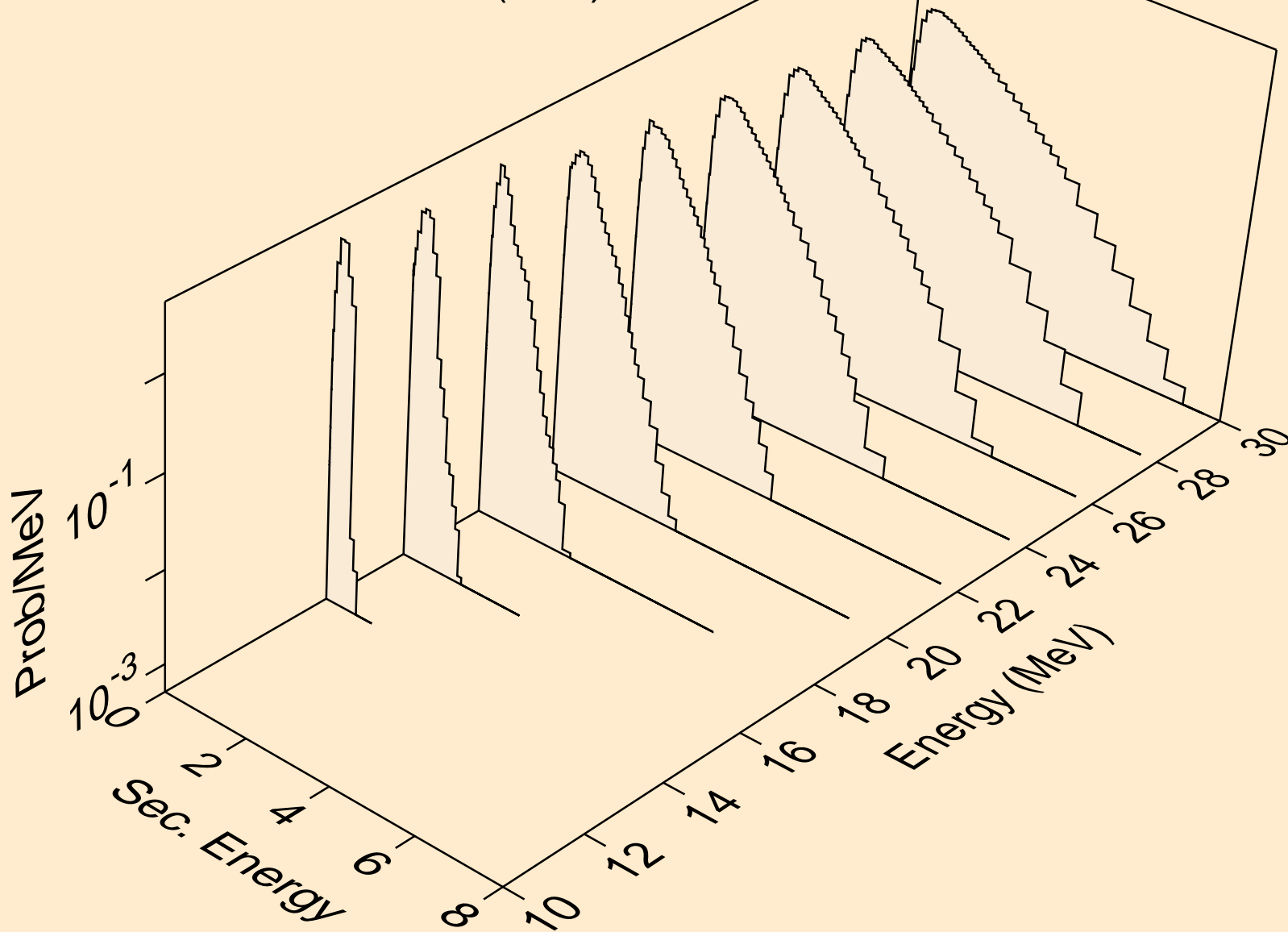
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

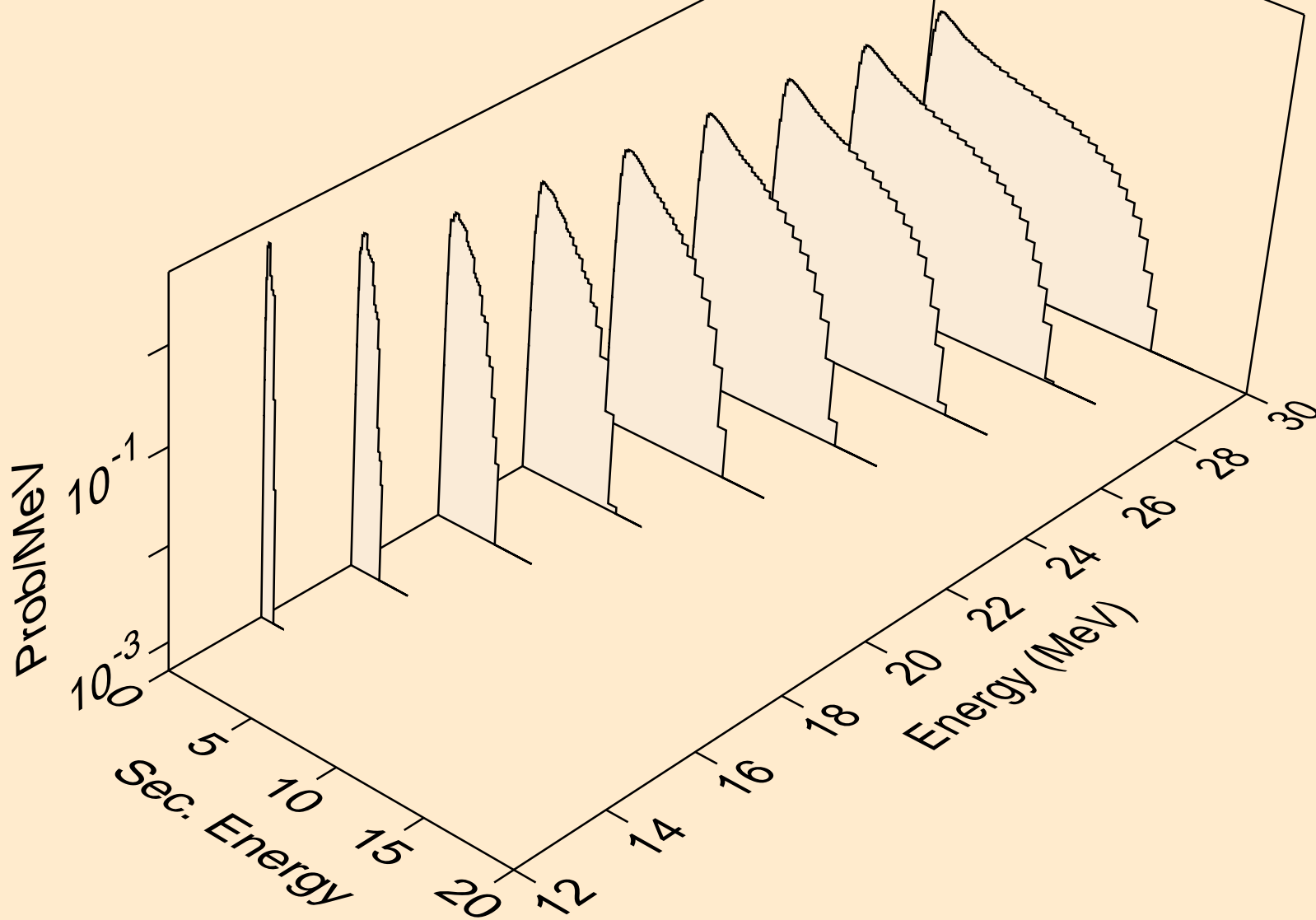


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

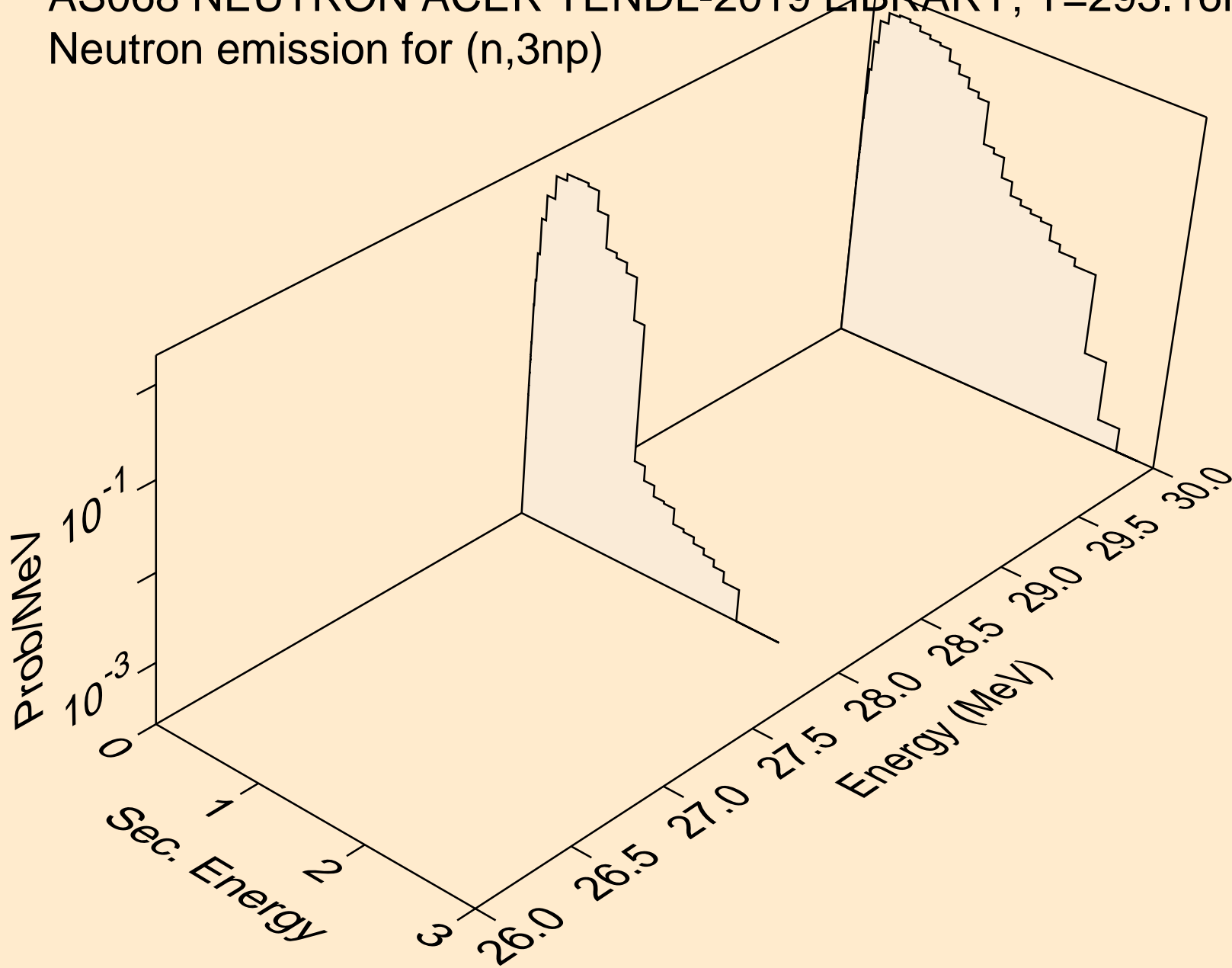




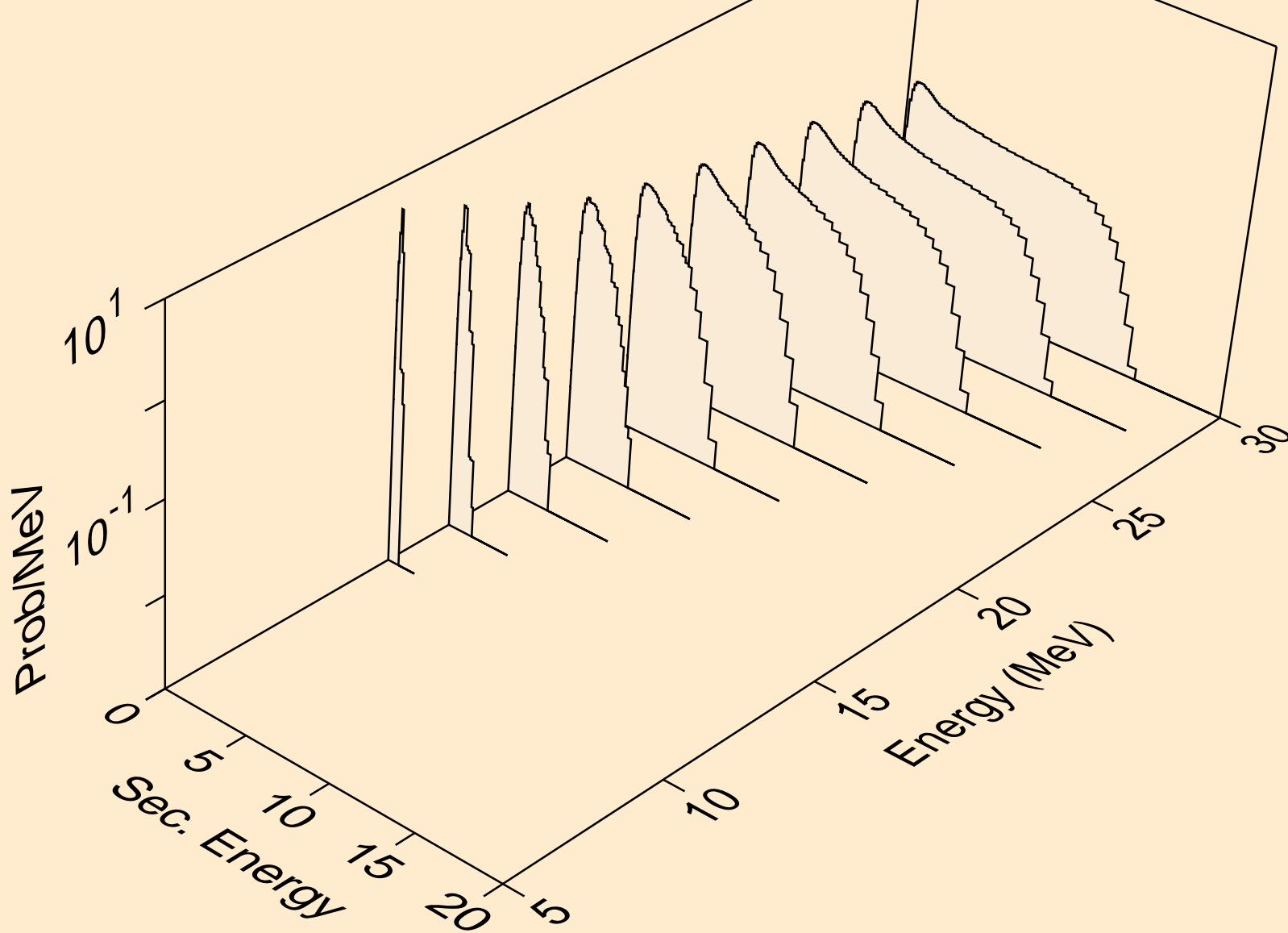
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Neutron emission for (n,2np)



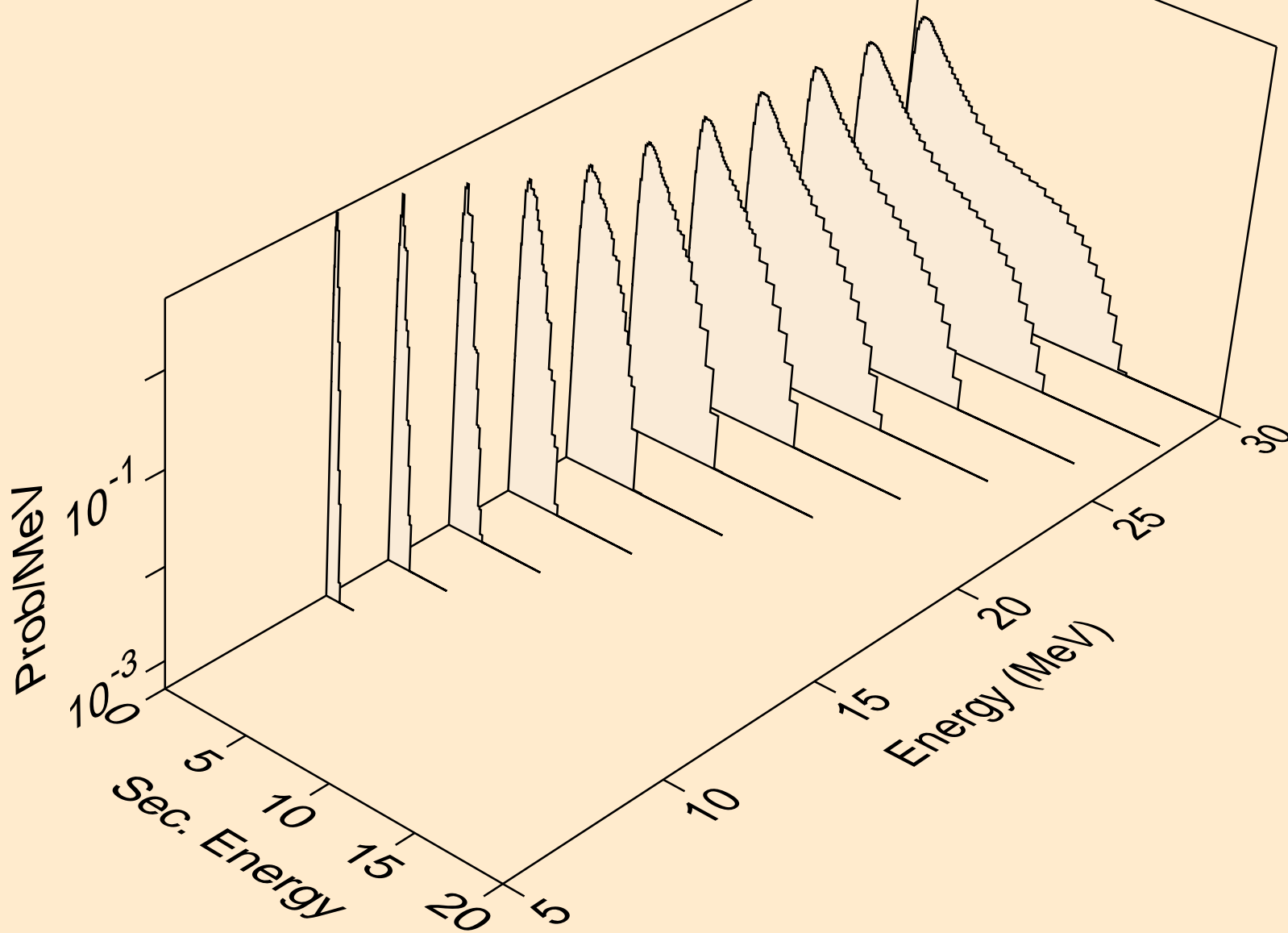
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Neutron emission for (n,3np)



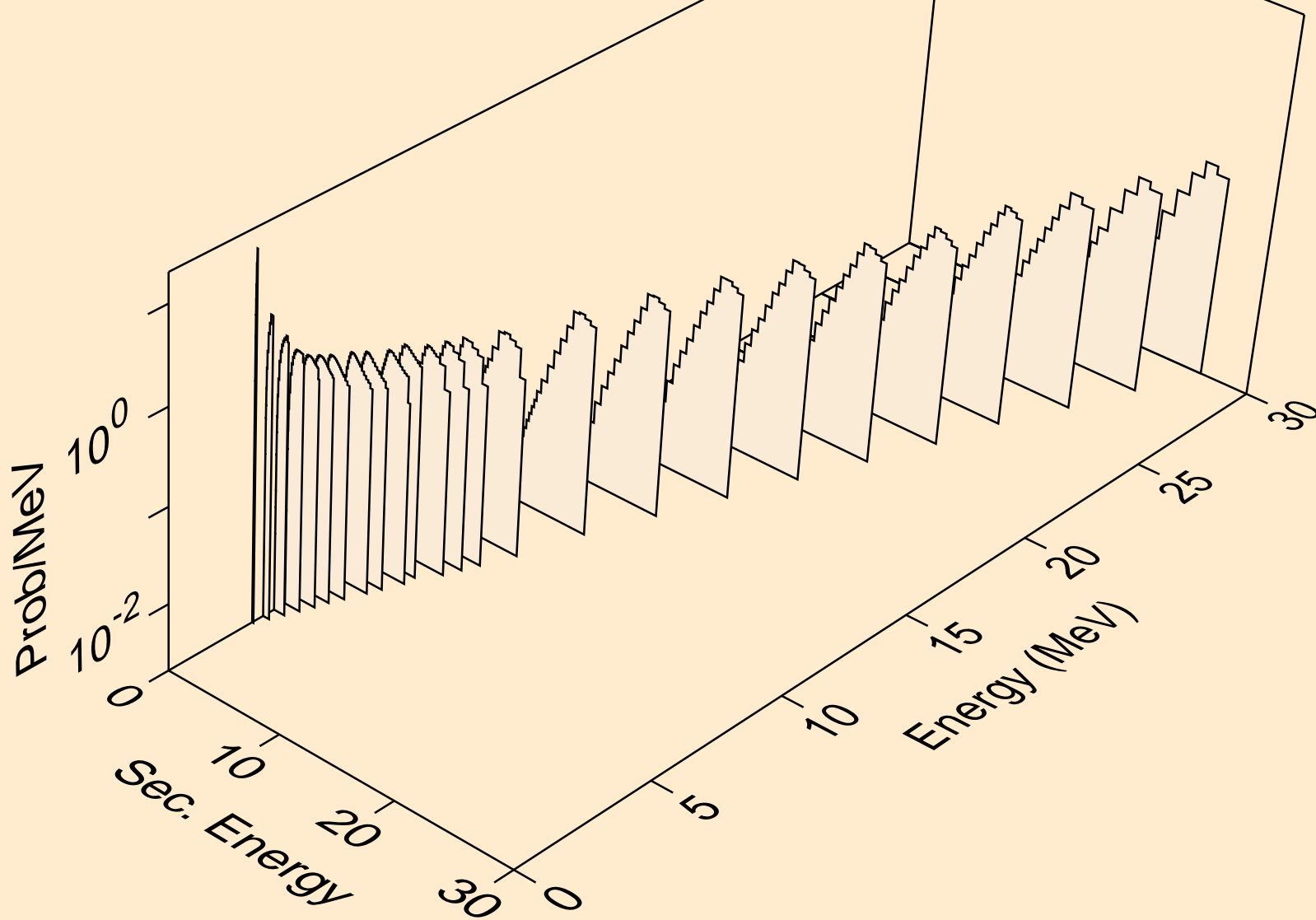
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Neutron emission for (n,2np)



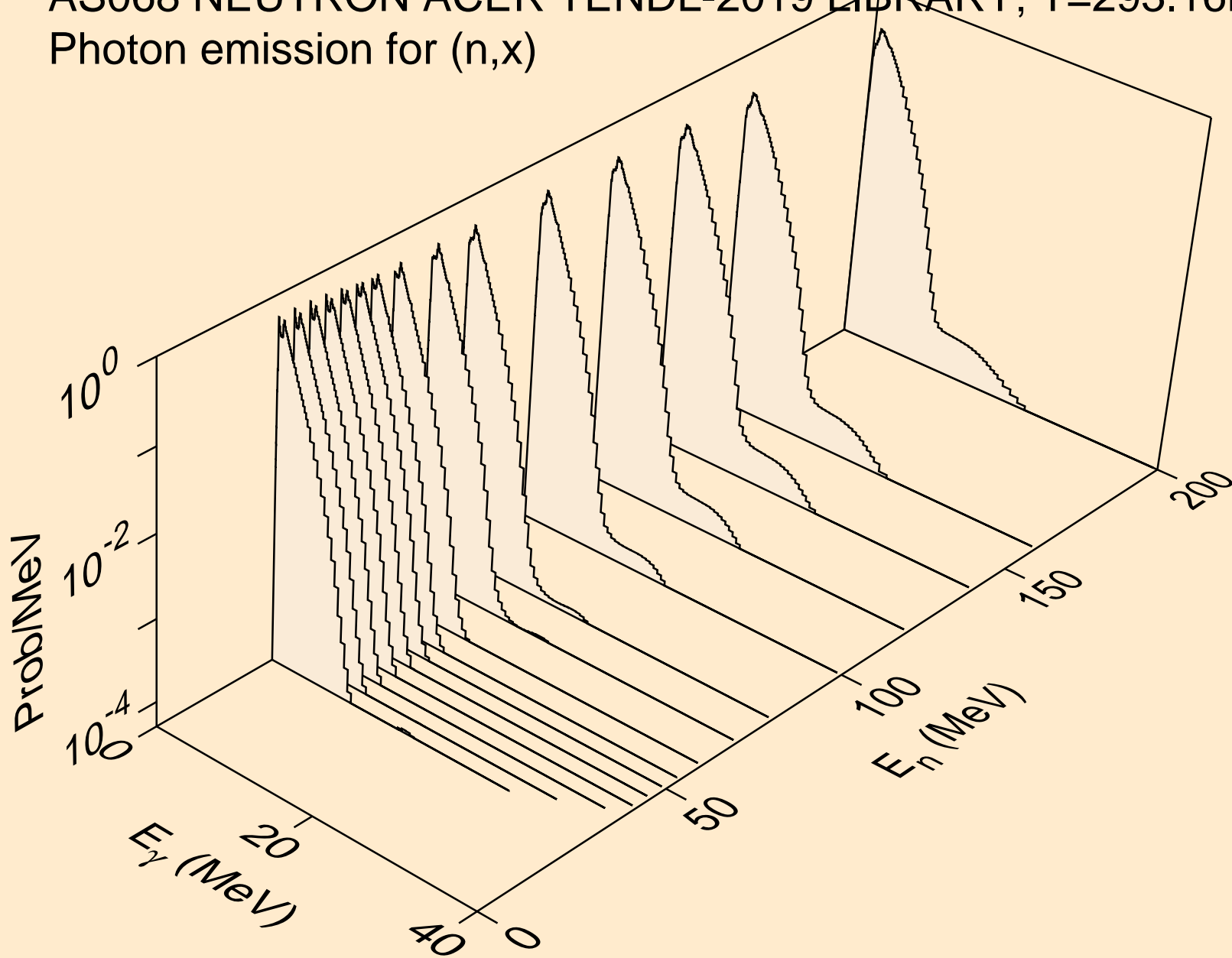
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



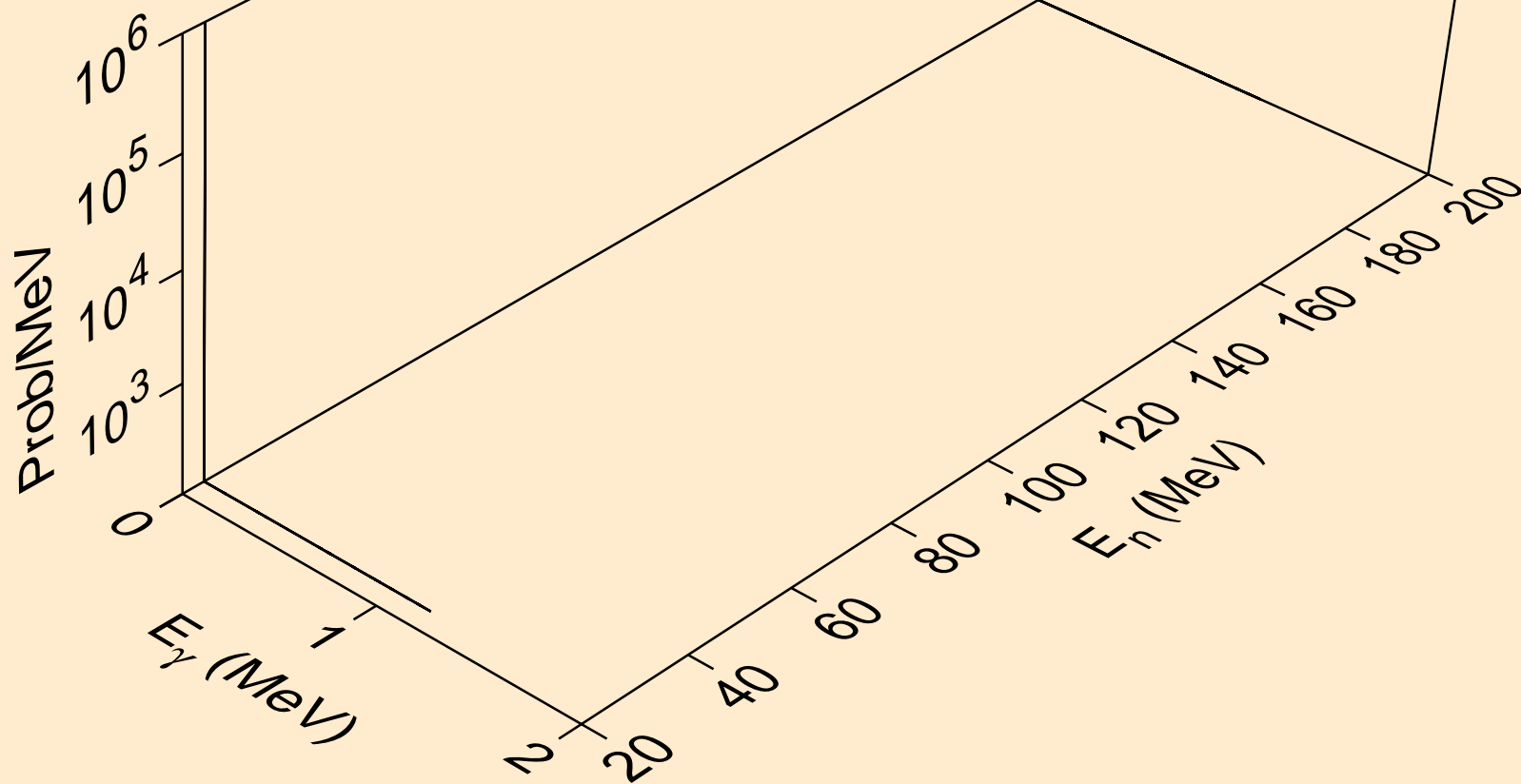
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Neutron emission for (n,n\*c)



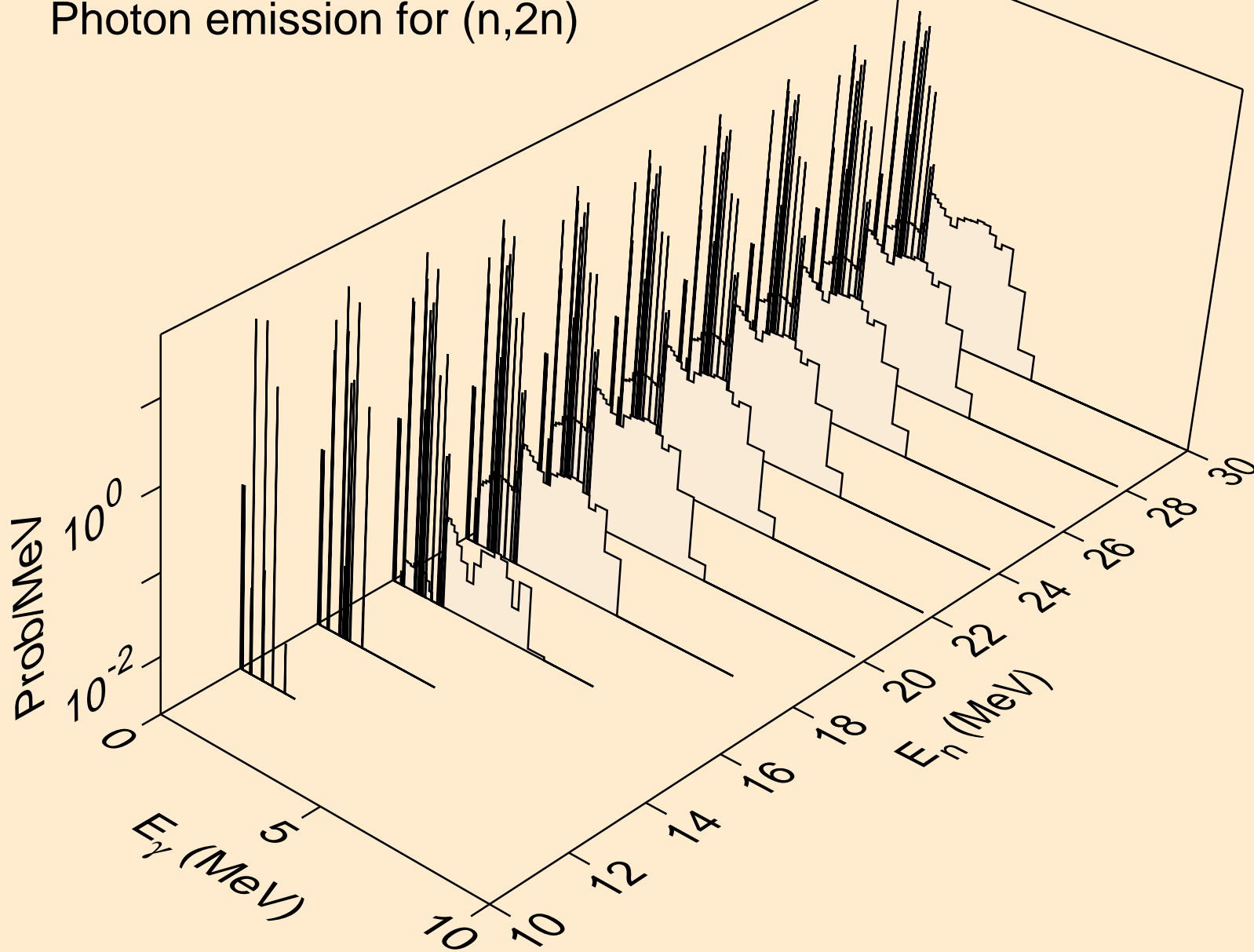
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

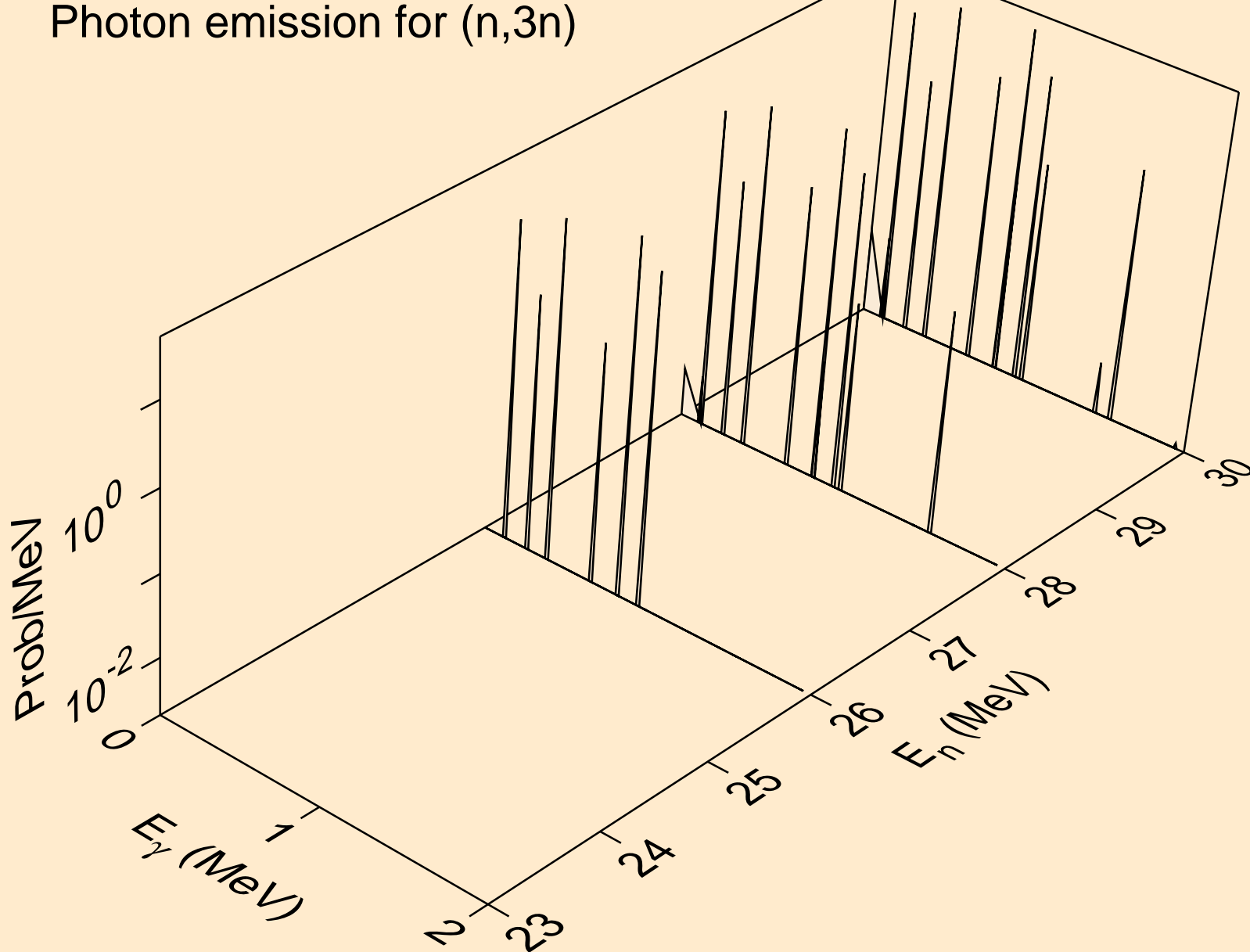


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Photon emission for (n,2n)

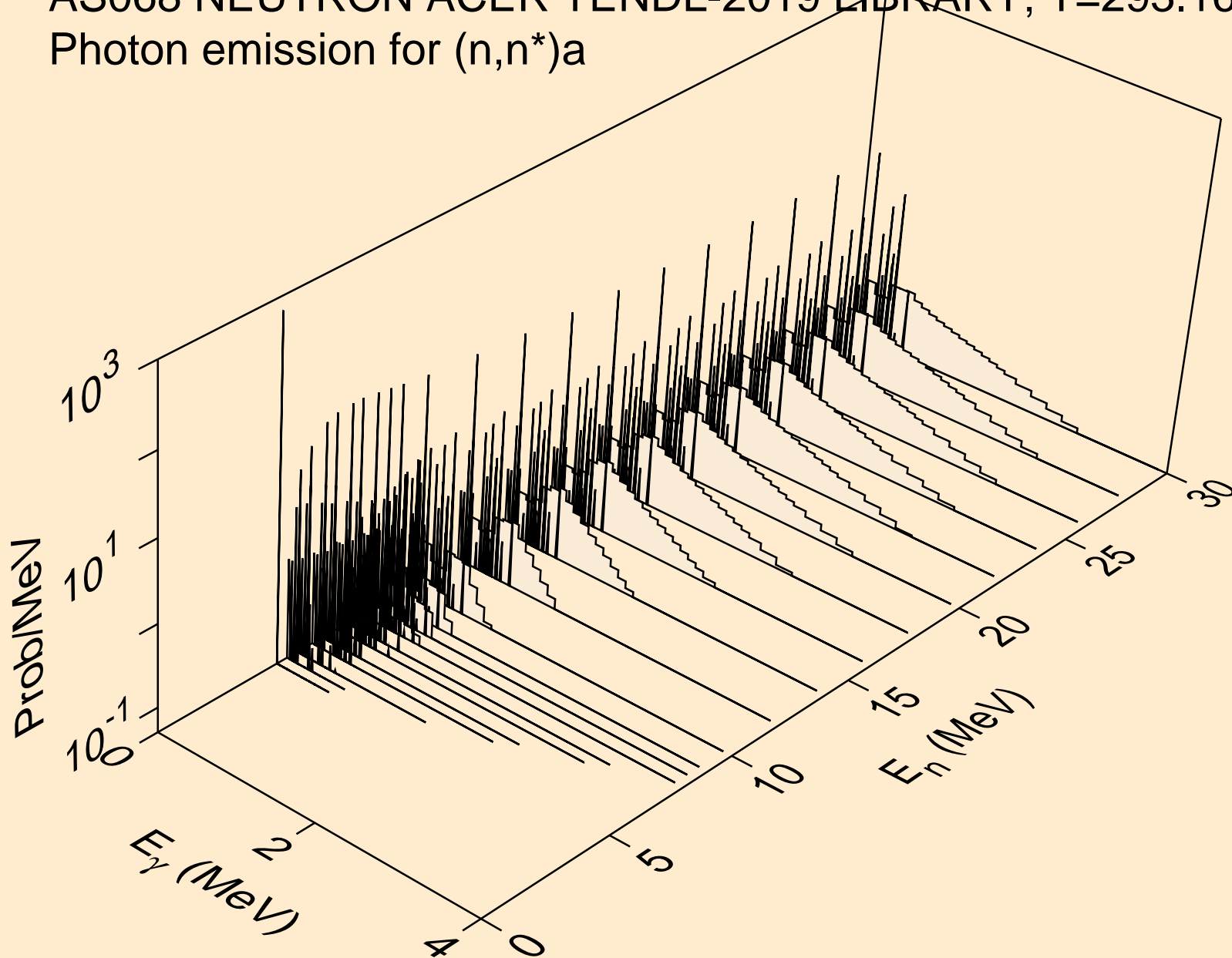




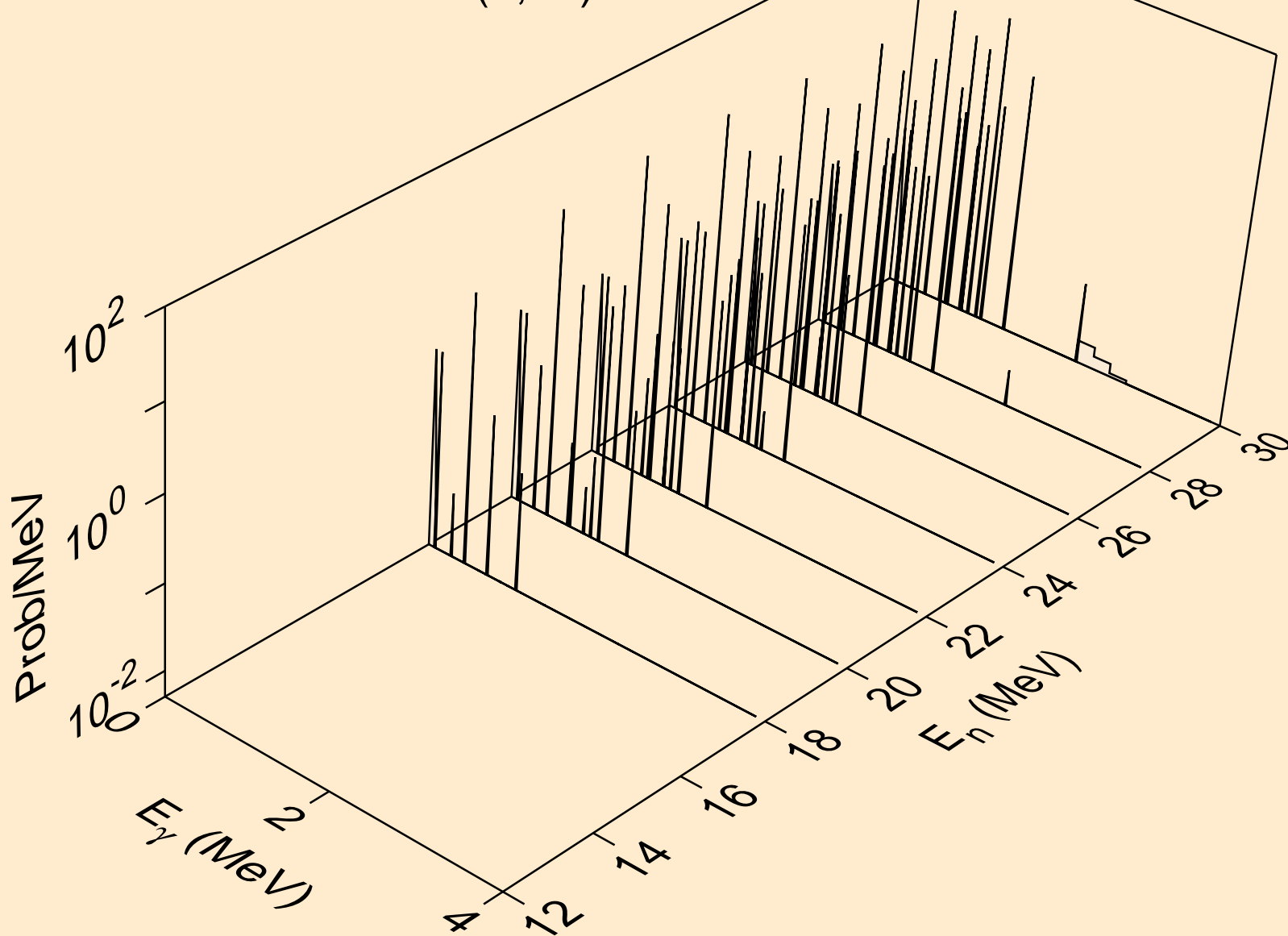
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Photon emission for (n,3n)



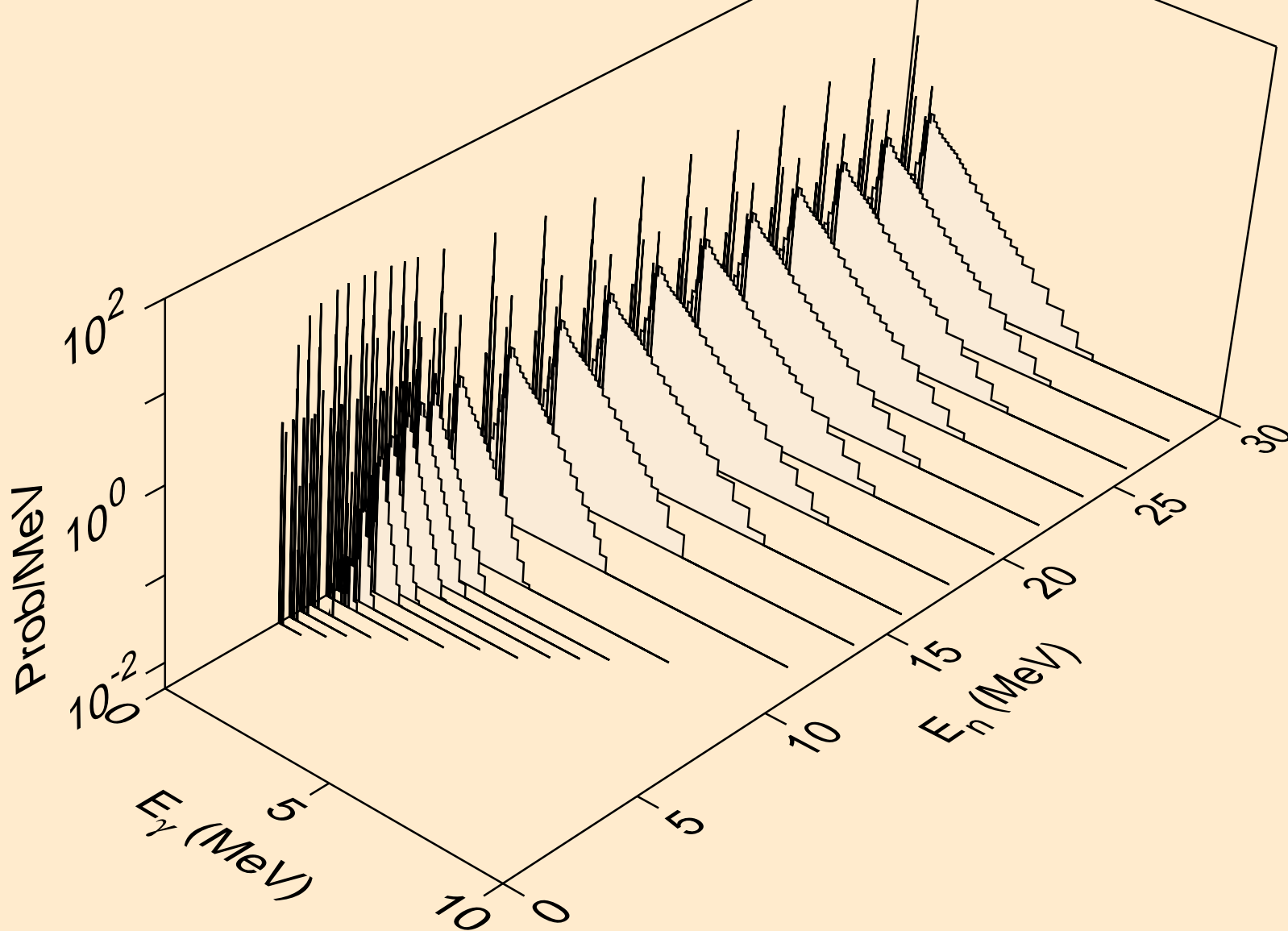
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Photon emission for (n,n\*)a



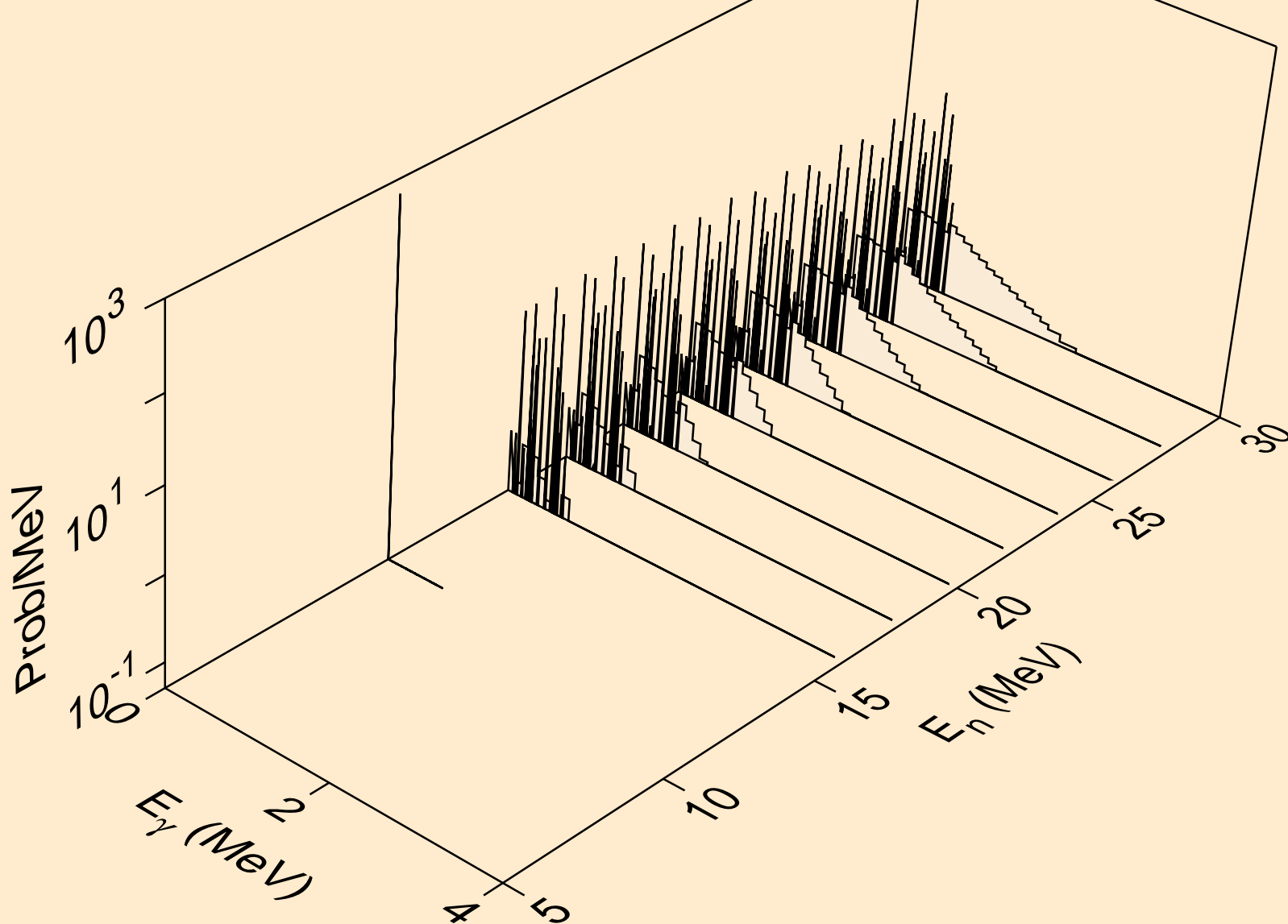
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Photon emission for (n,2n)a



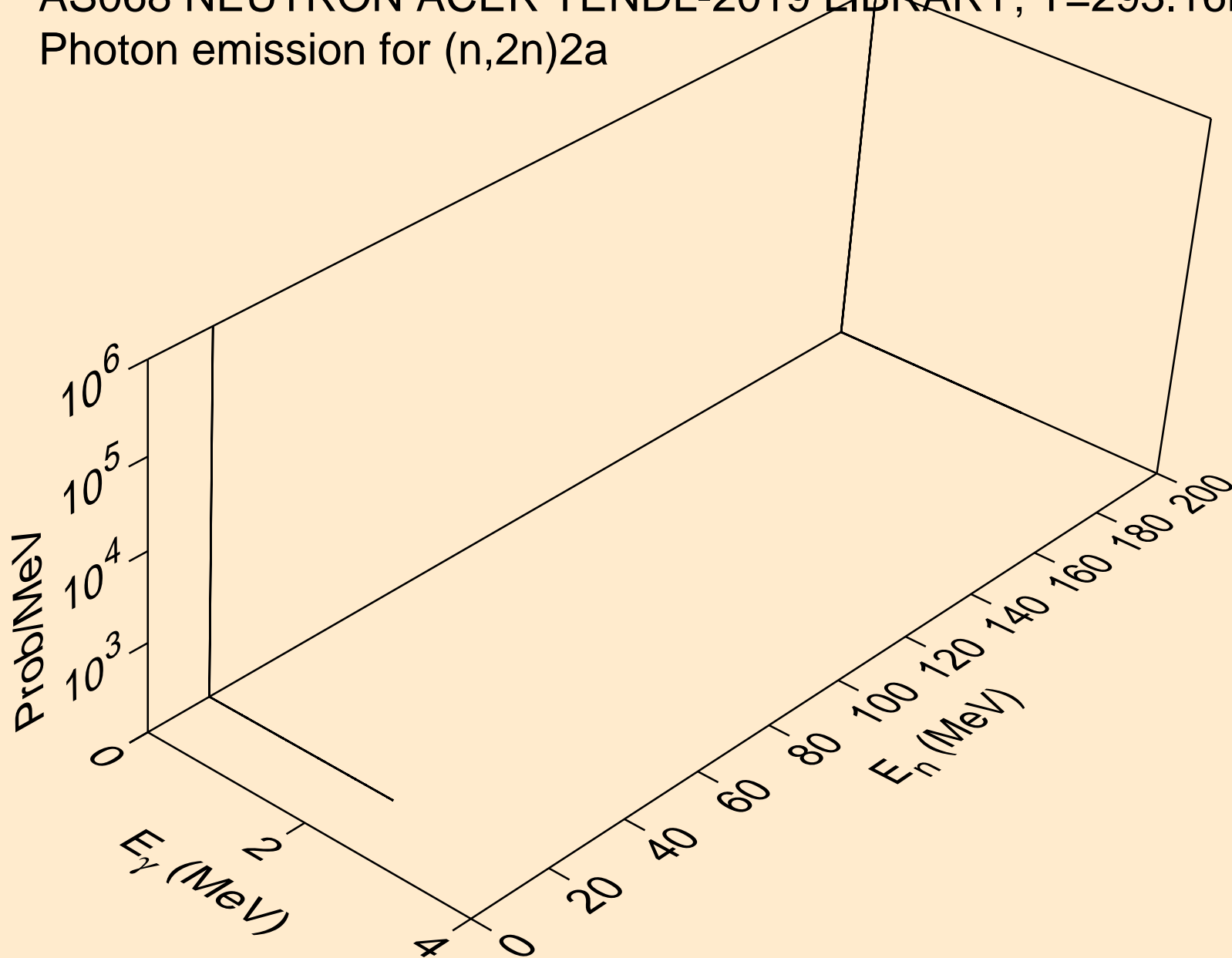
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Photon emission for (n,n\*)p



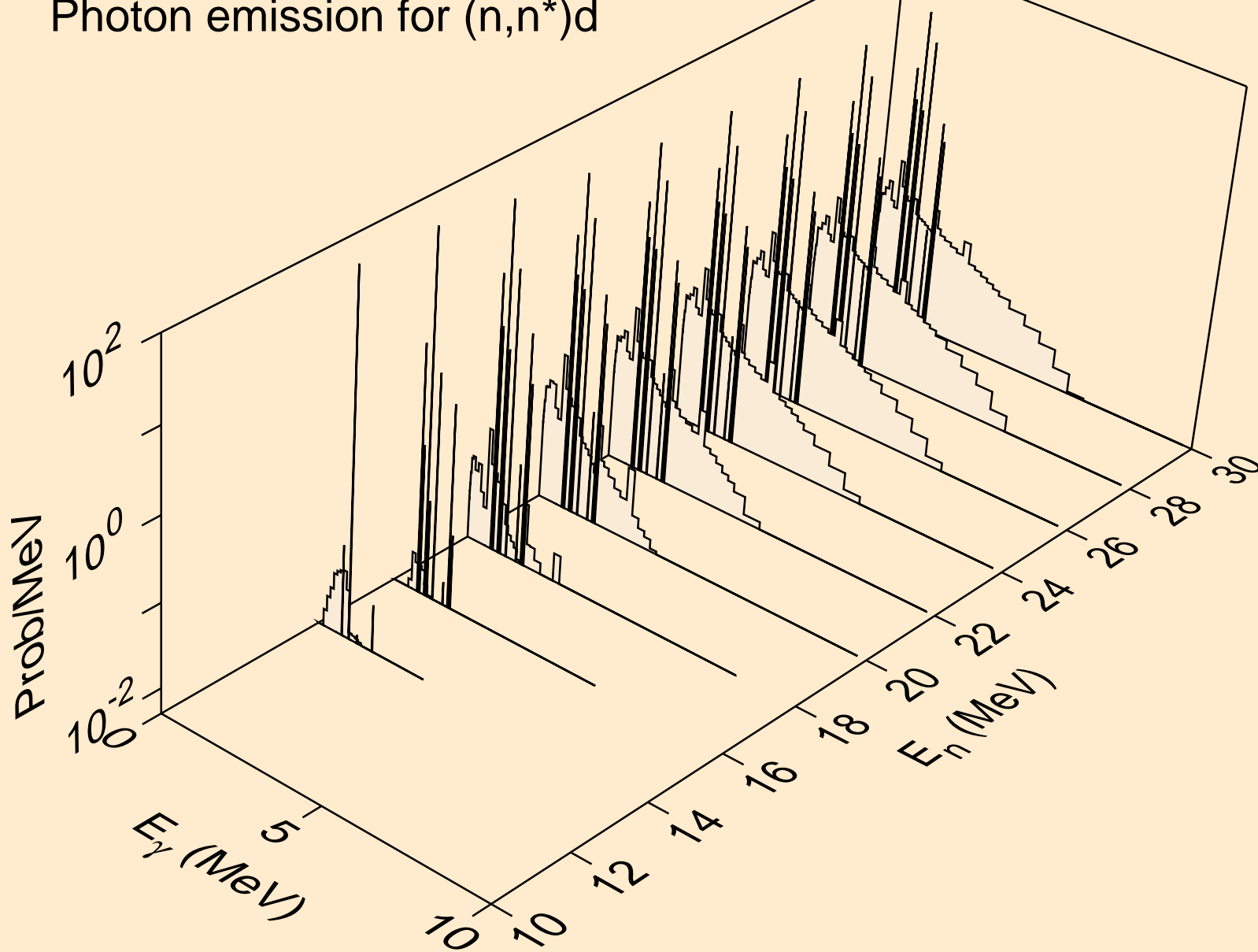
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Photon emission for (n,n\*)2a



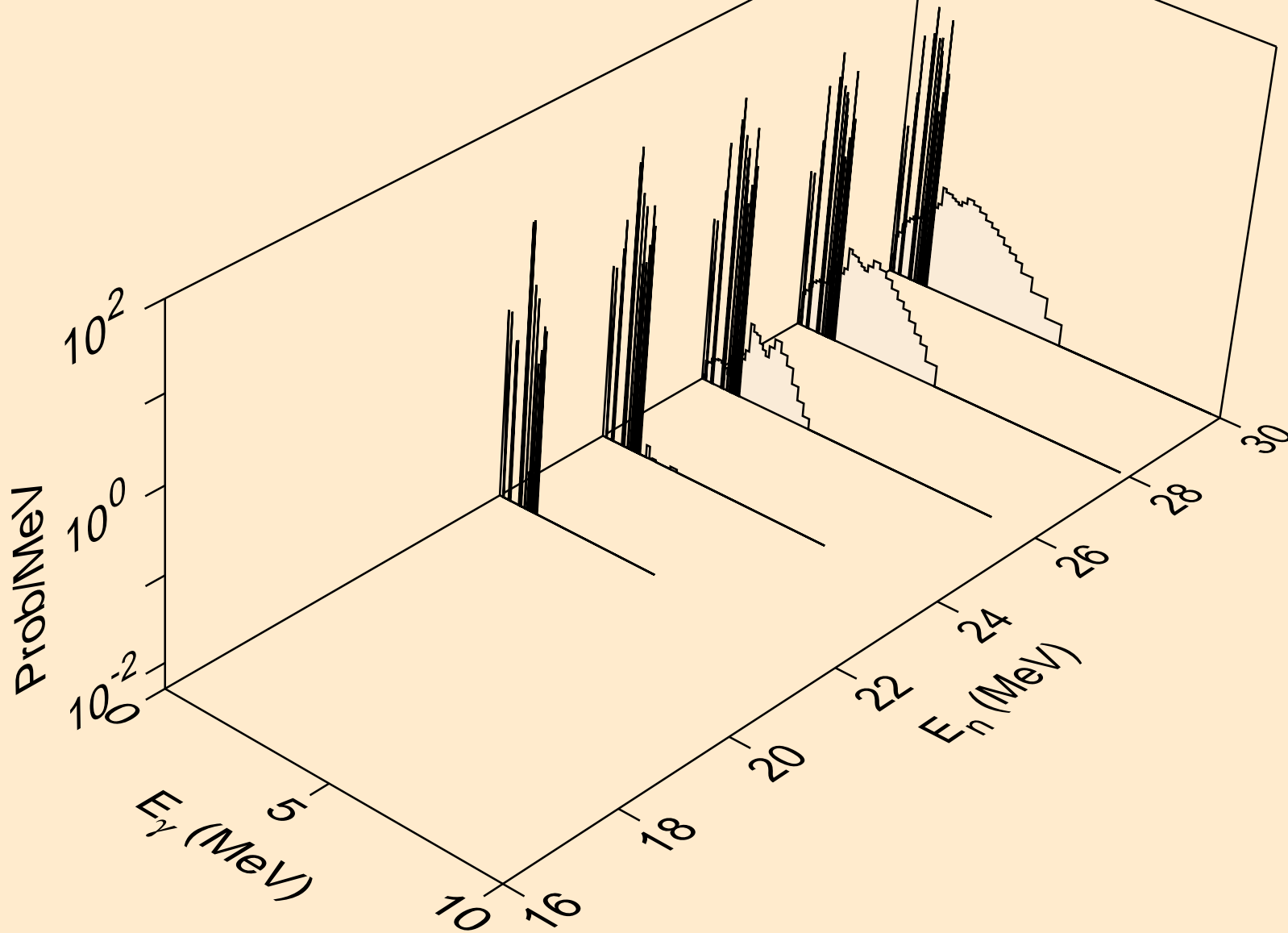
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Photon emission for (n,2n)2a



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

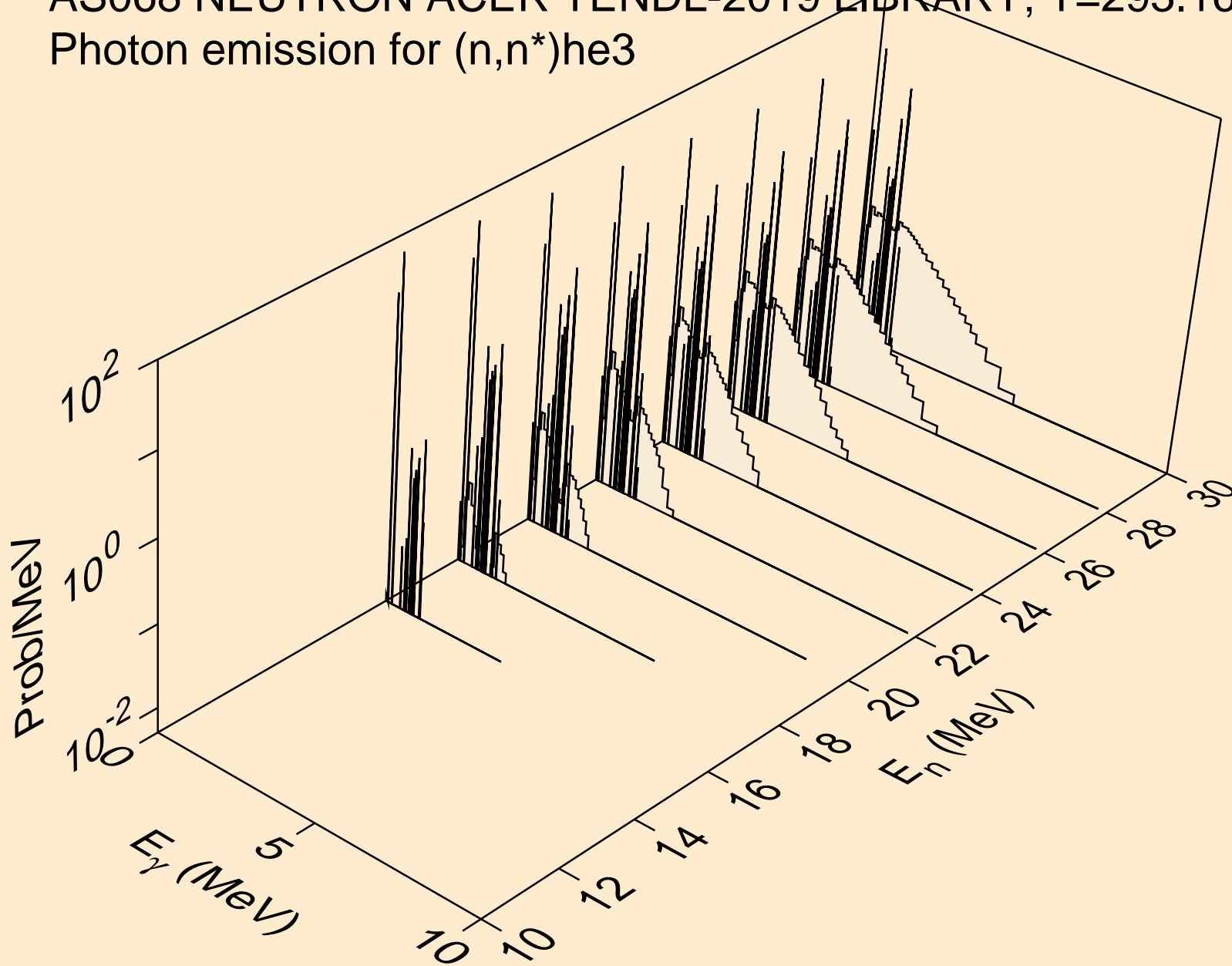


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

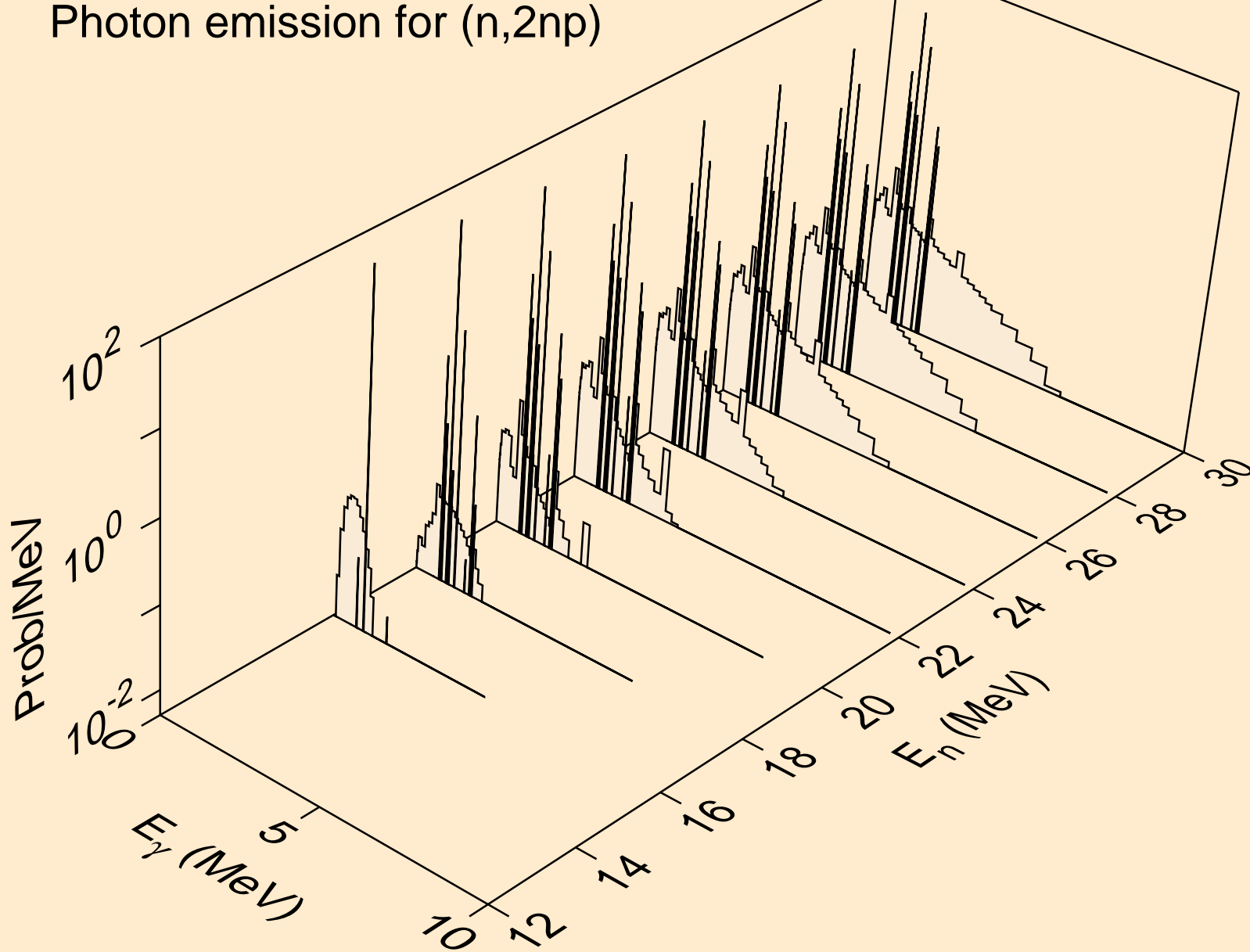




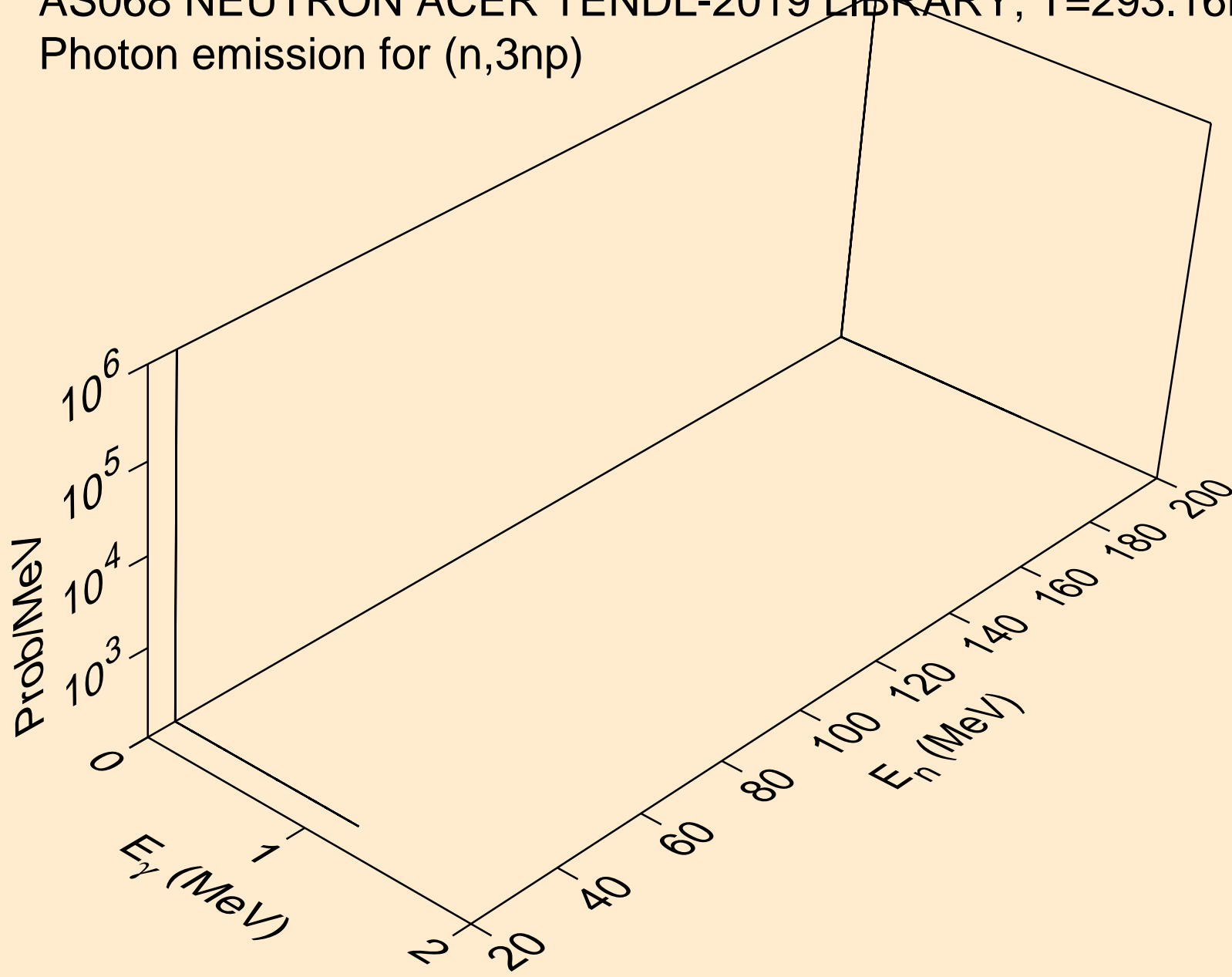
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



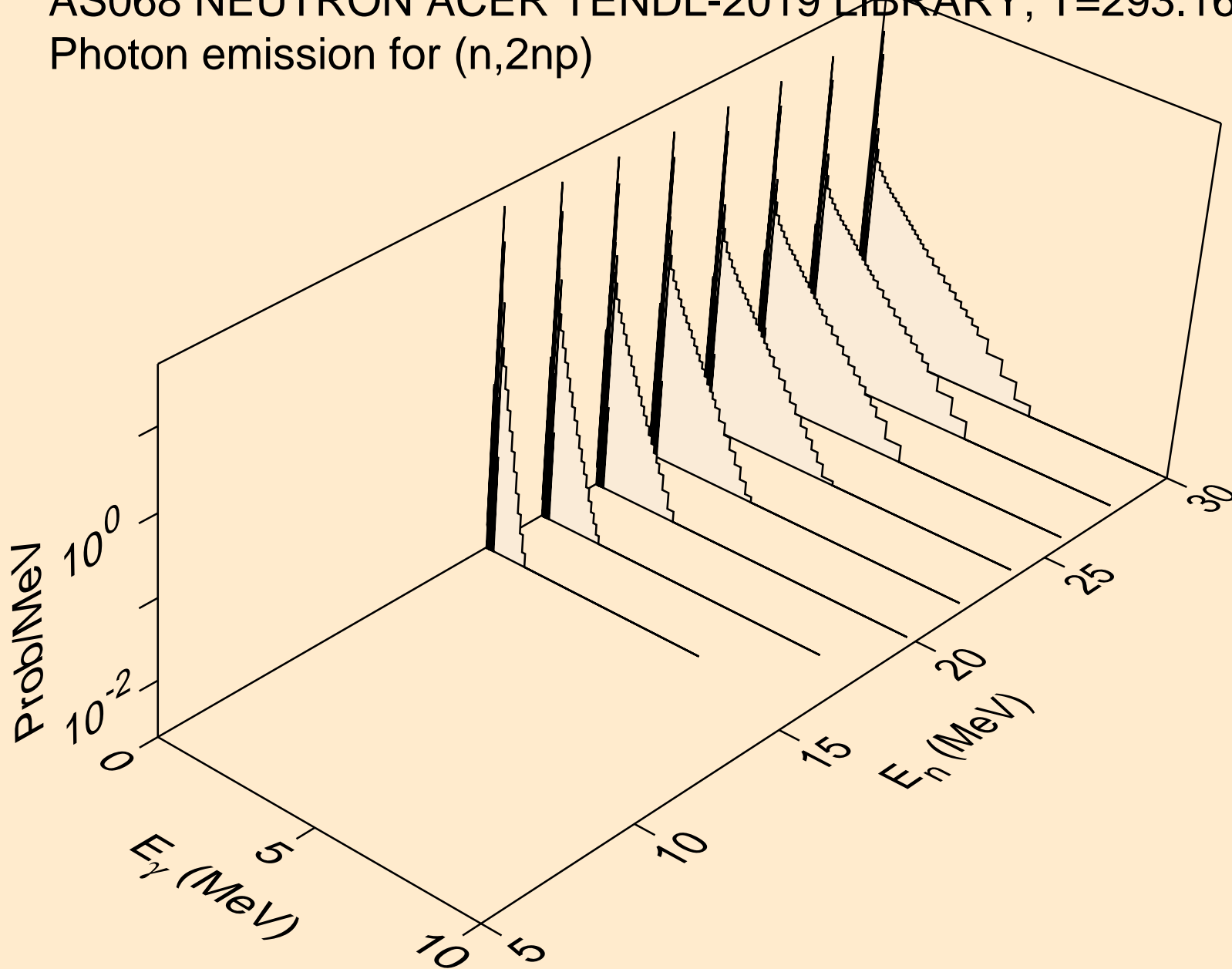
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Photon emission for (n,2np)



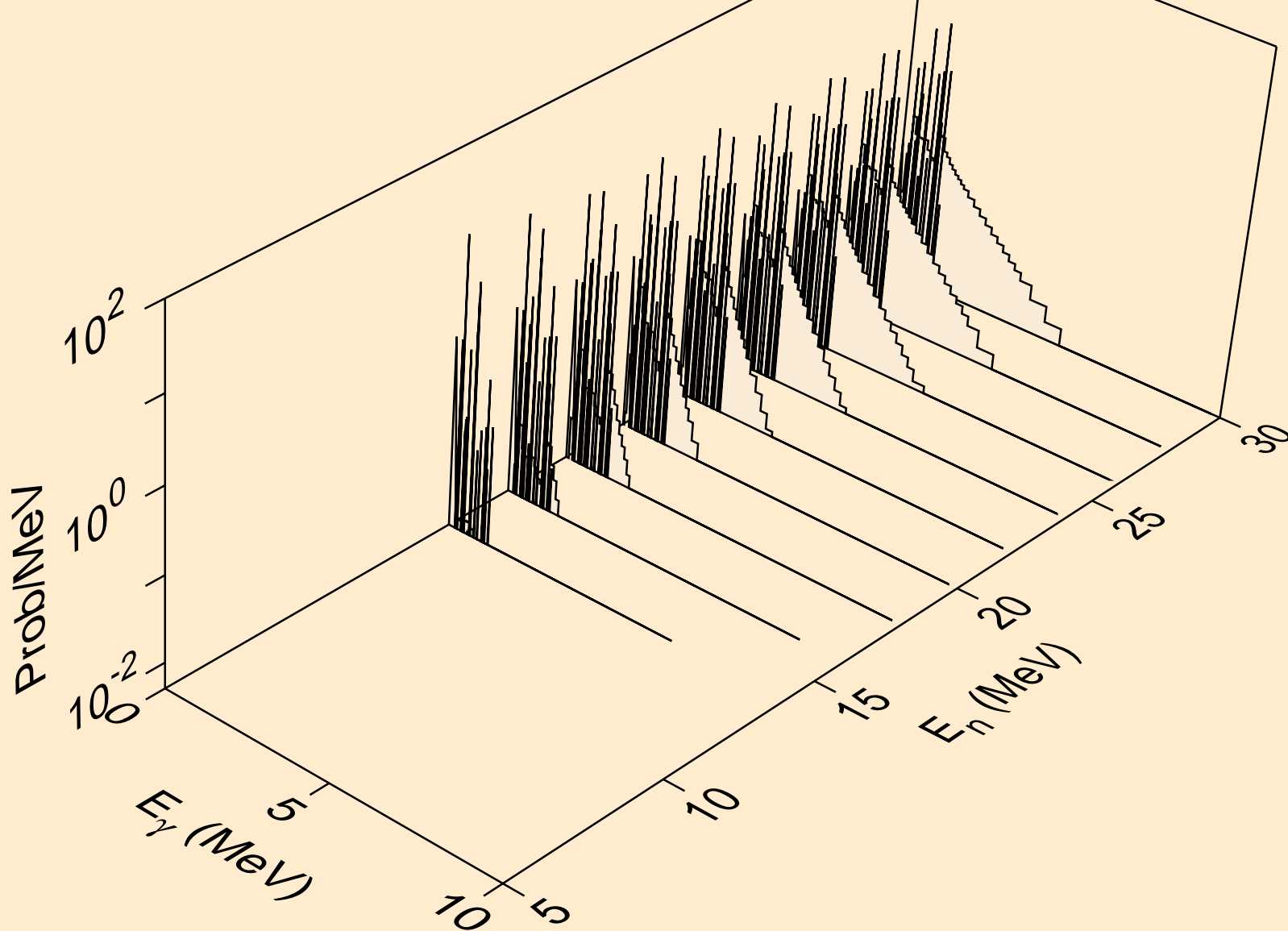
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Photon emission for (n,3np)



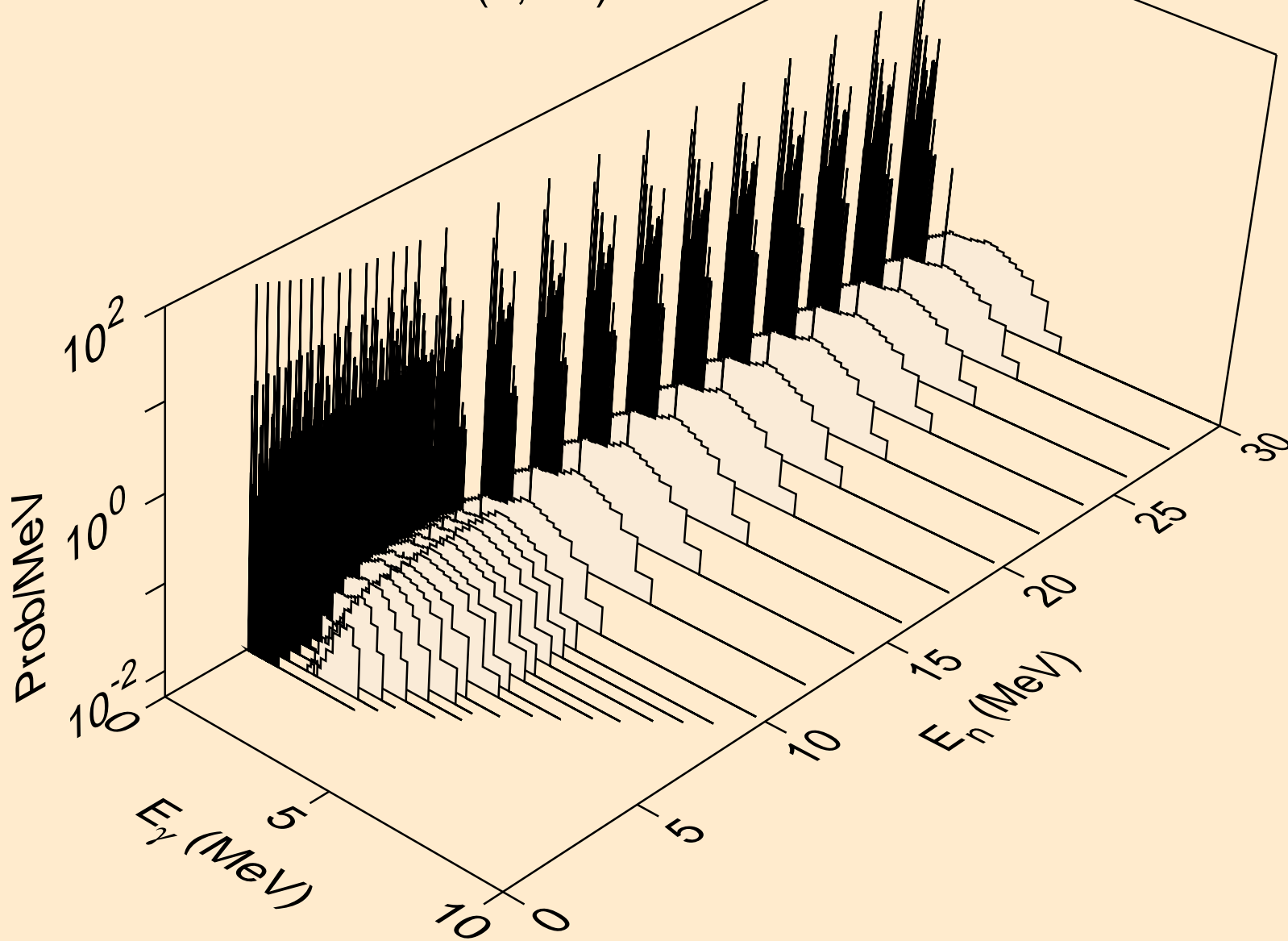
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Photon emission for (n,2np)



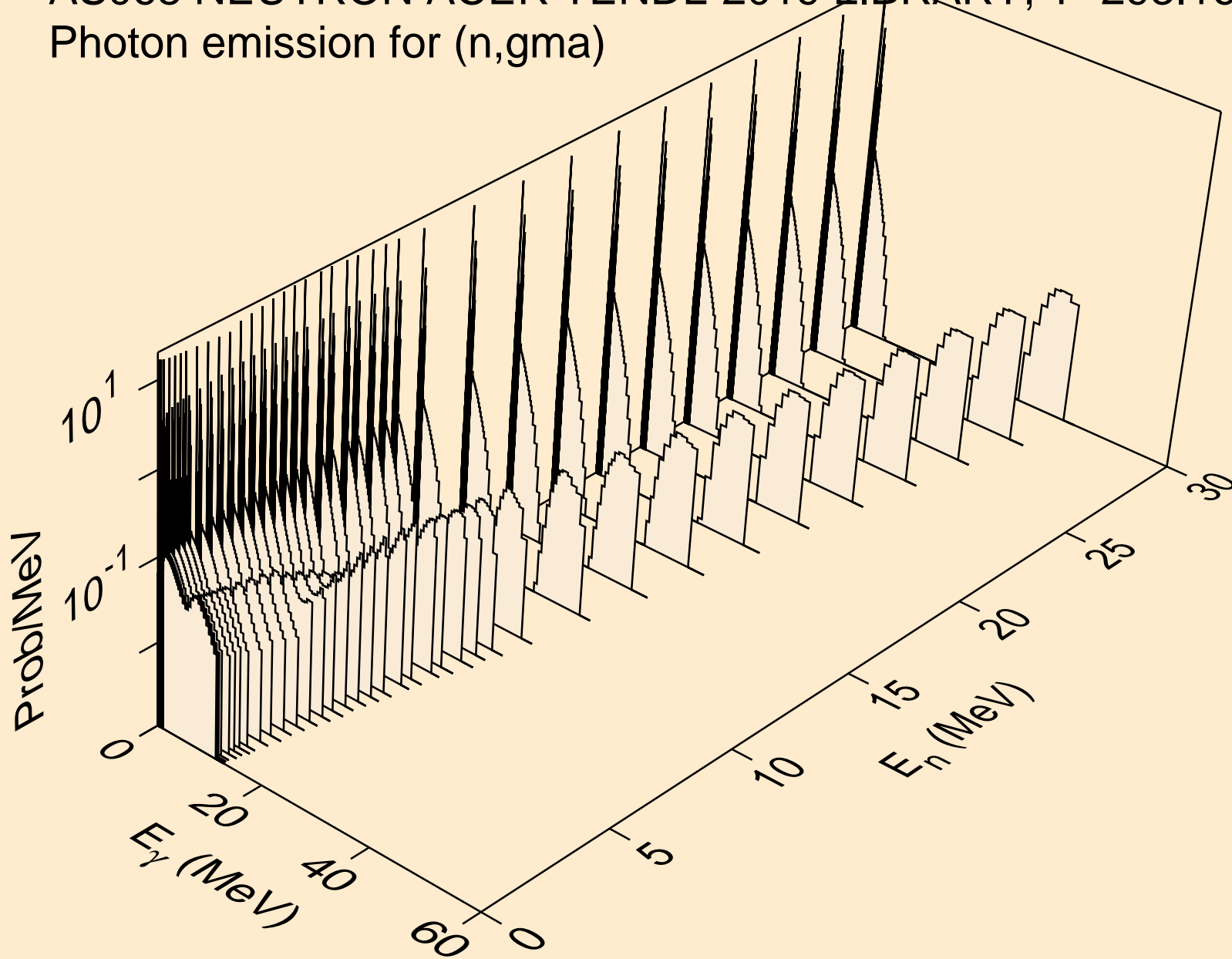
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Photon emission for (n,npa)



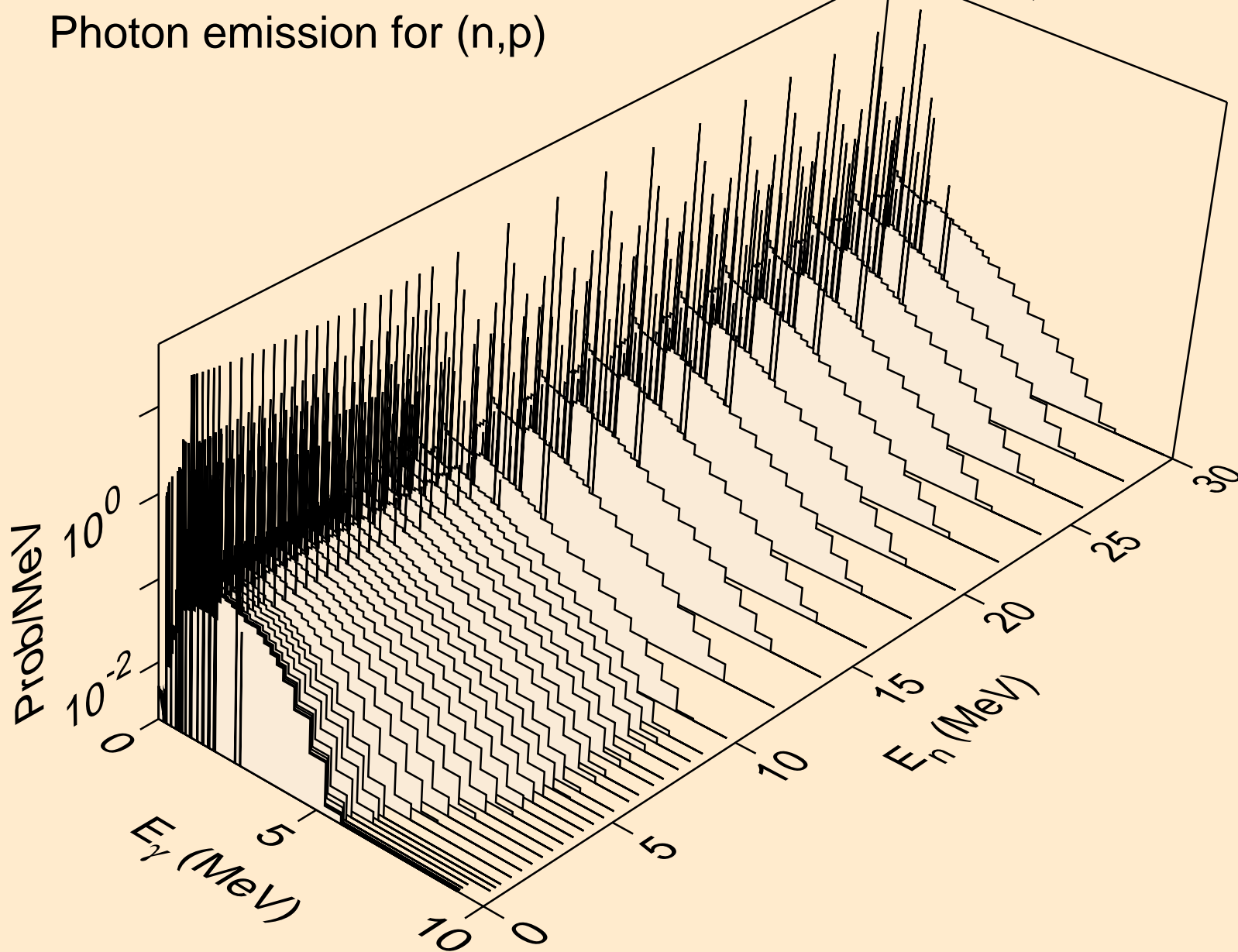
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

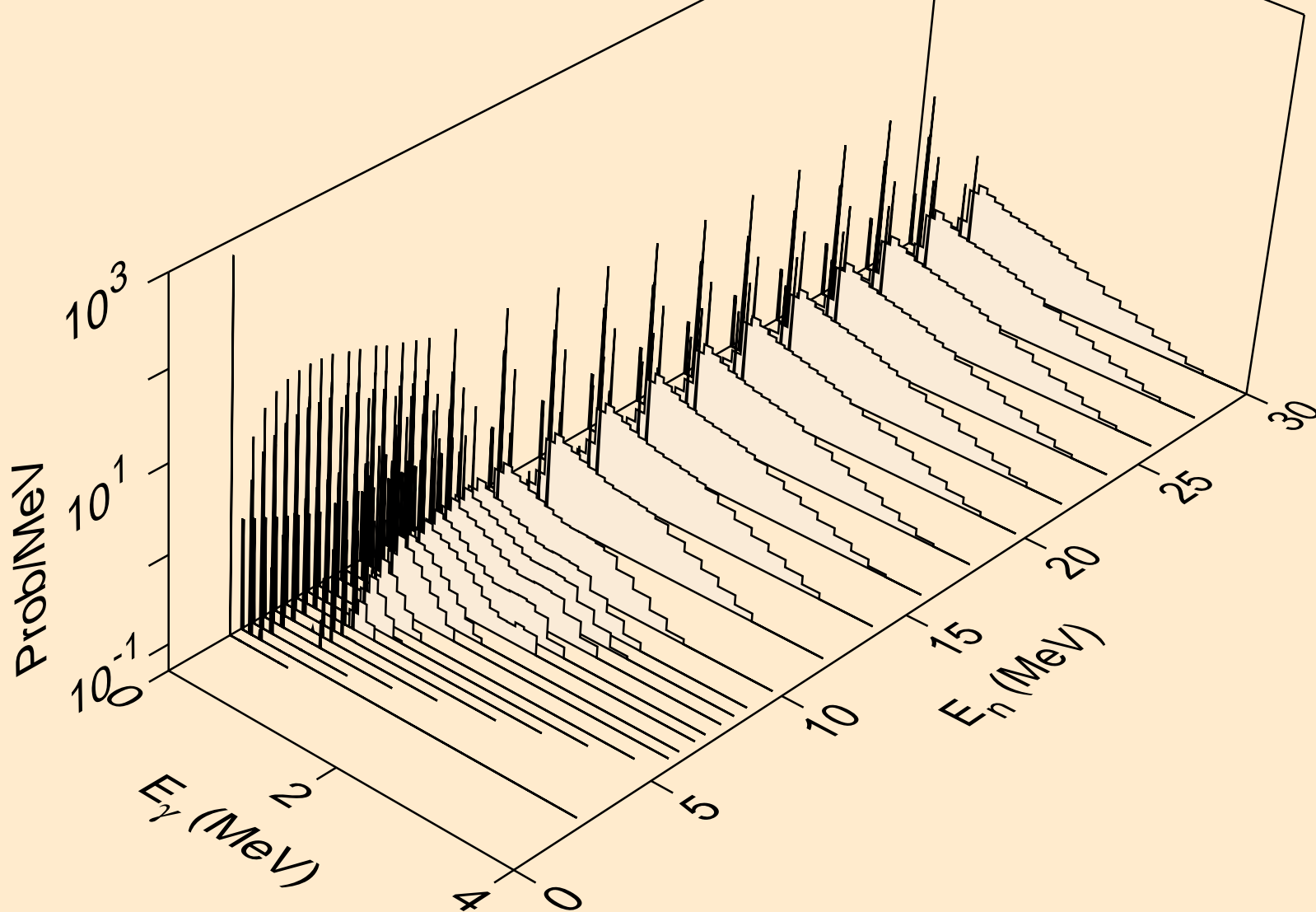


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Photon emission for (n,p)

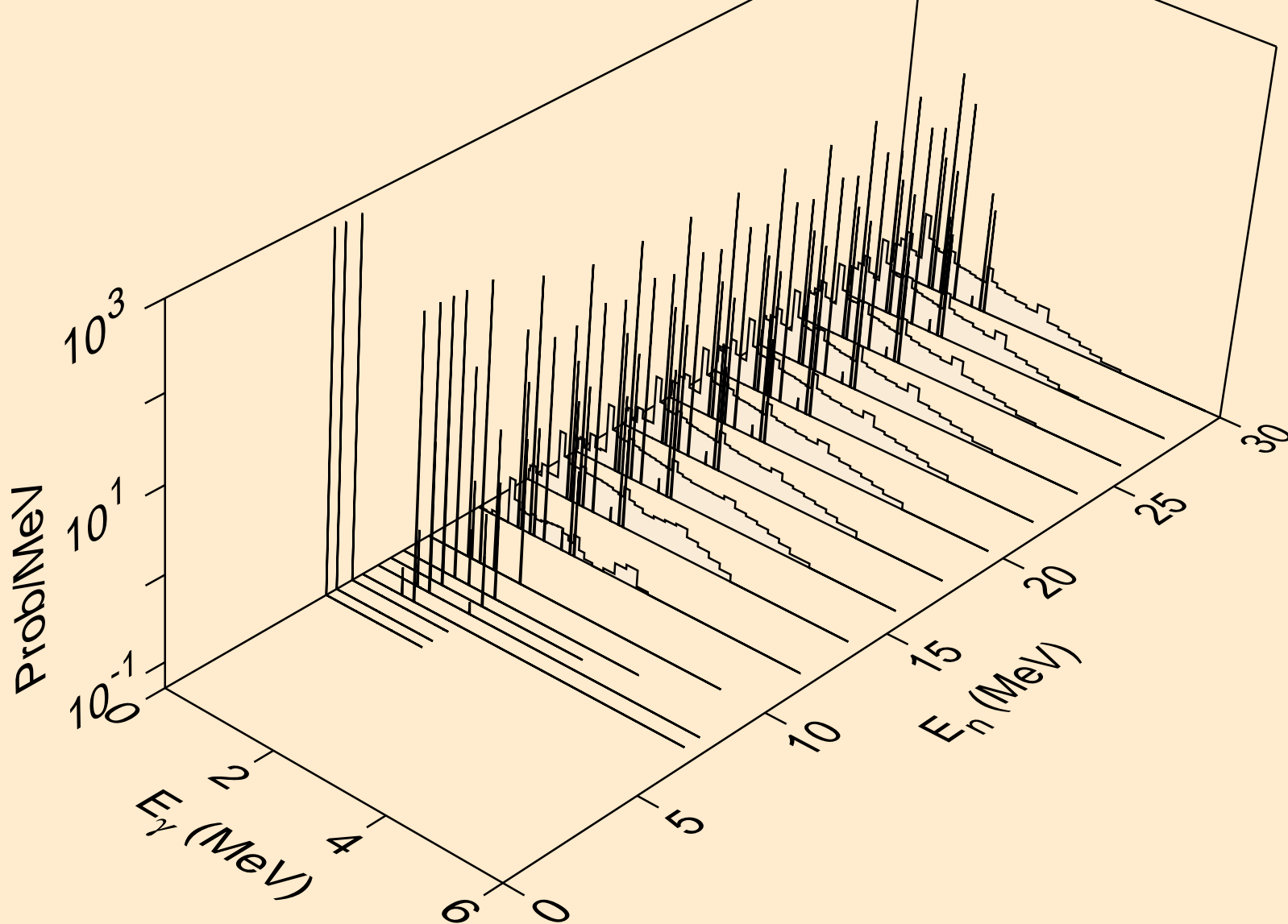




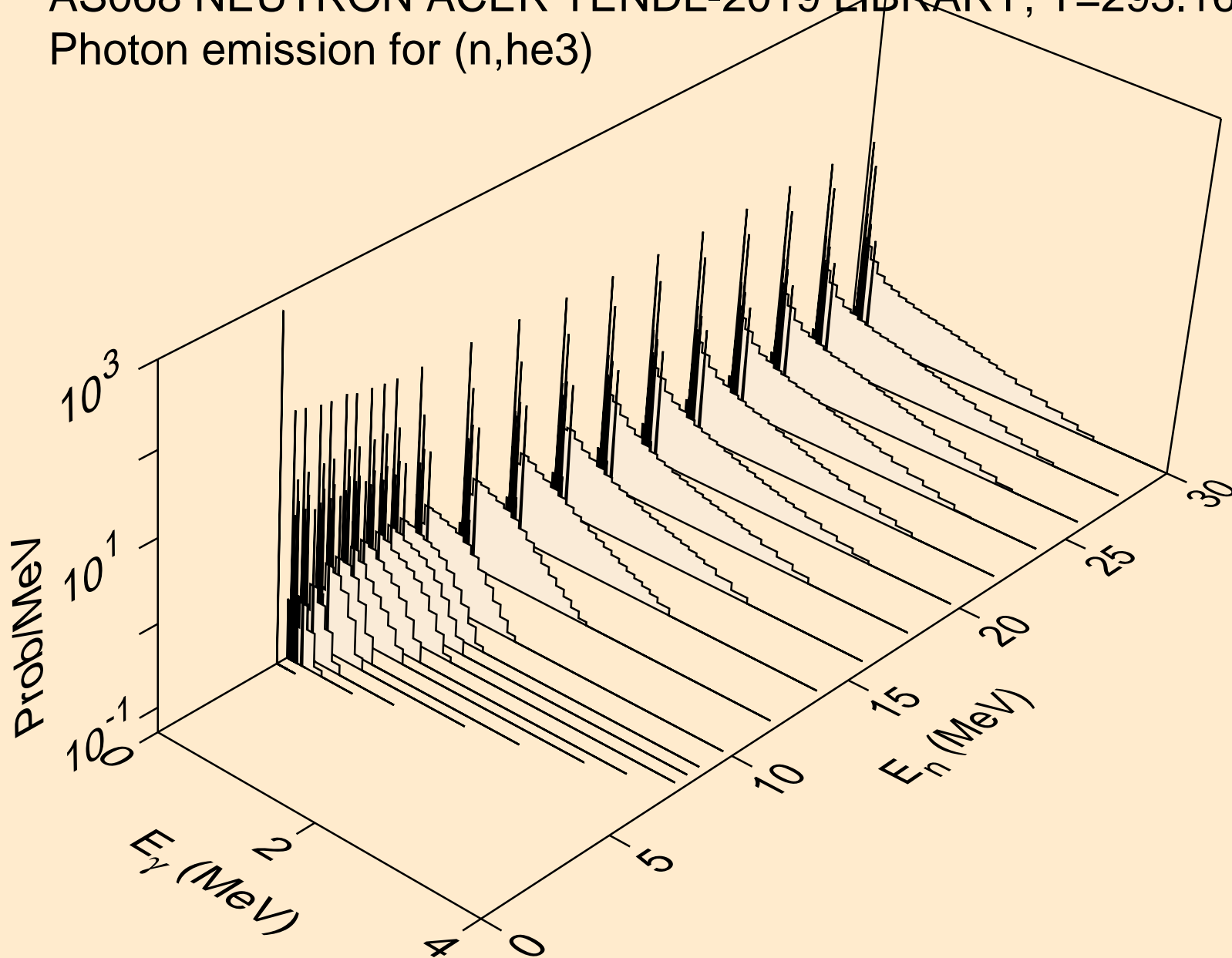
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Photon emission for (n,d)



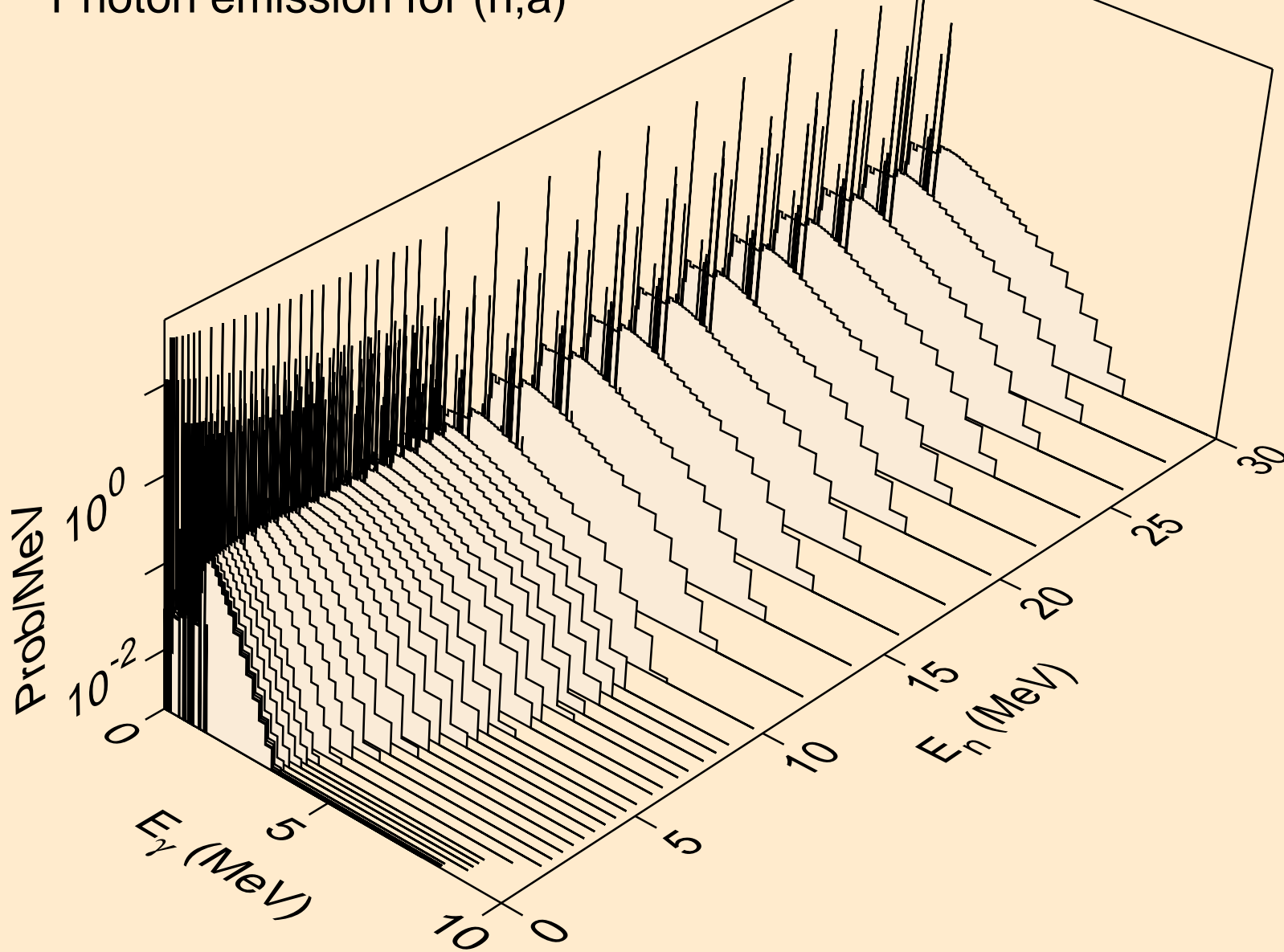
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Photon emission for (n,t)



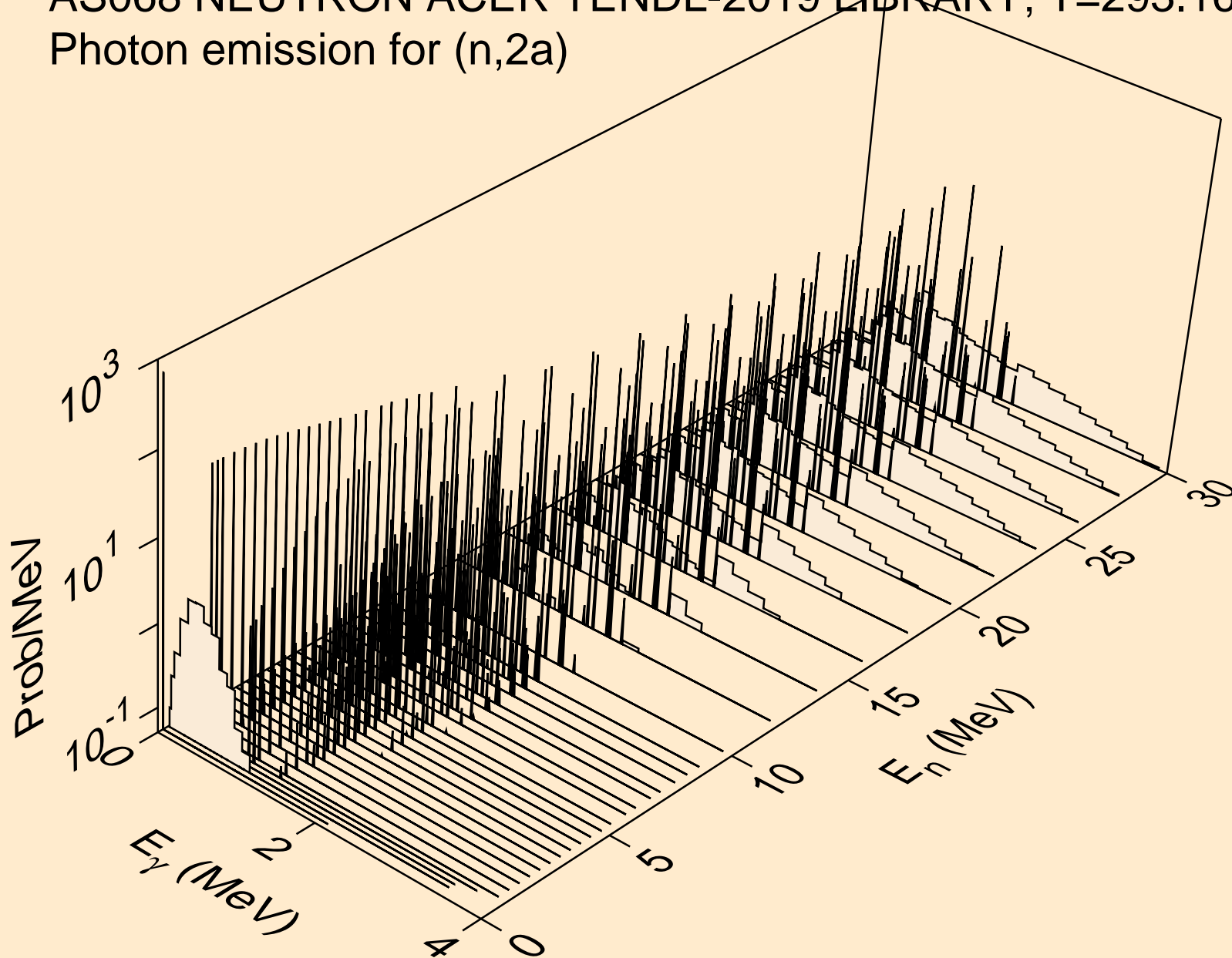
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Photon emission for (n,he3)



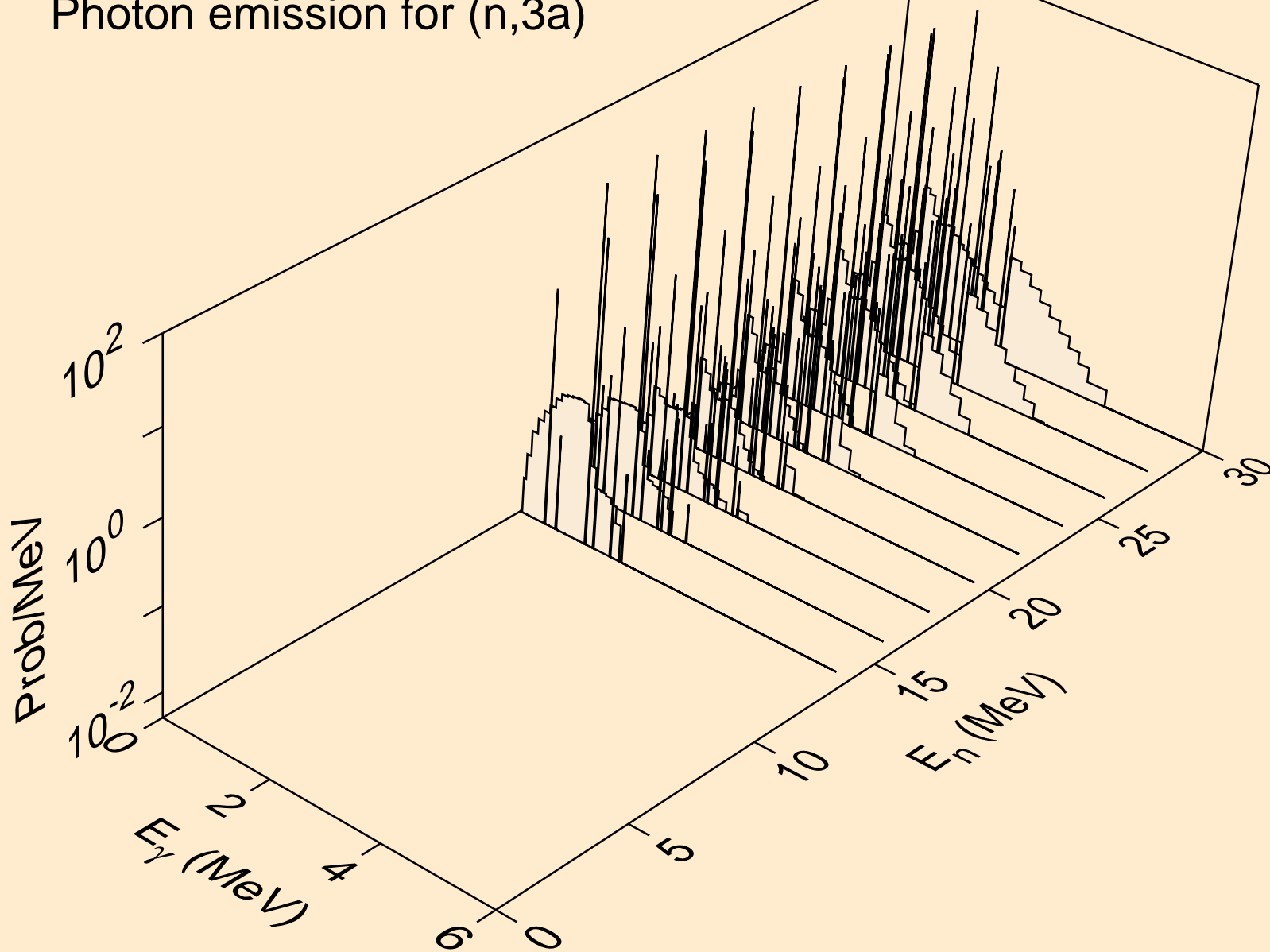
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Photon emission for (n,a)



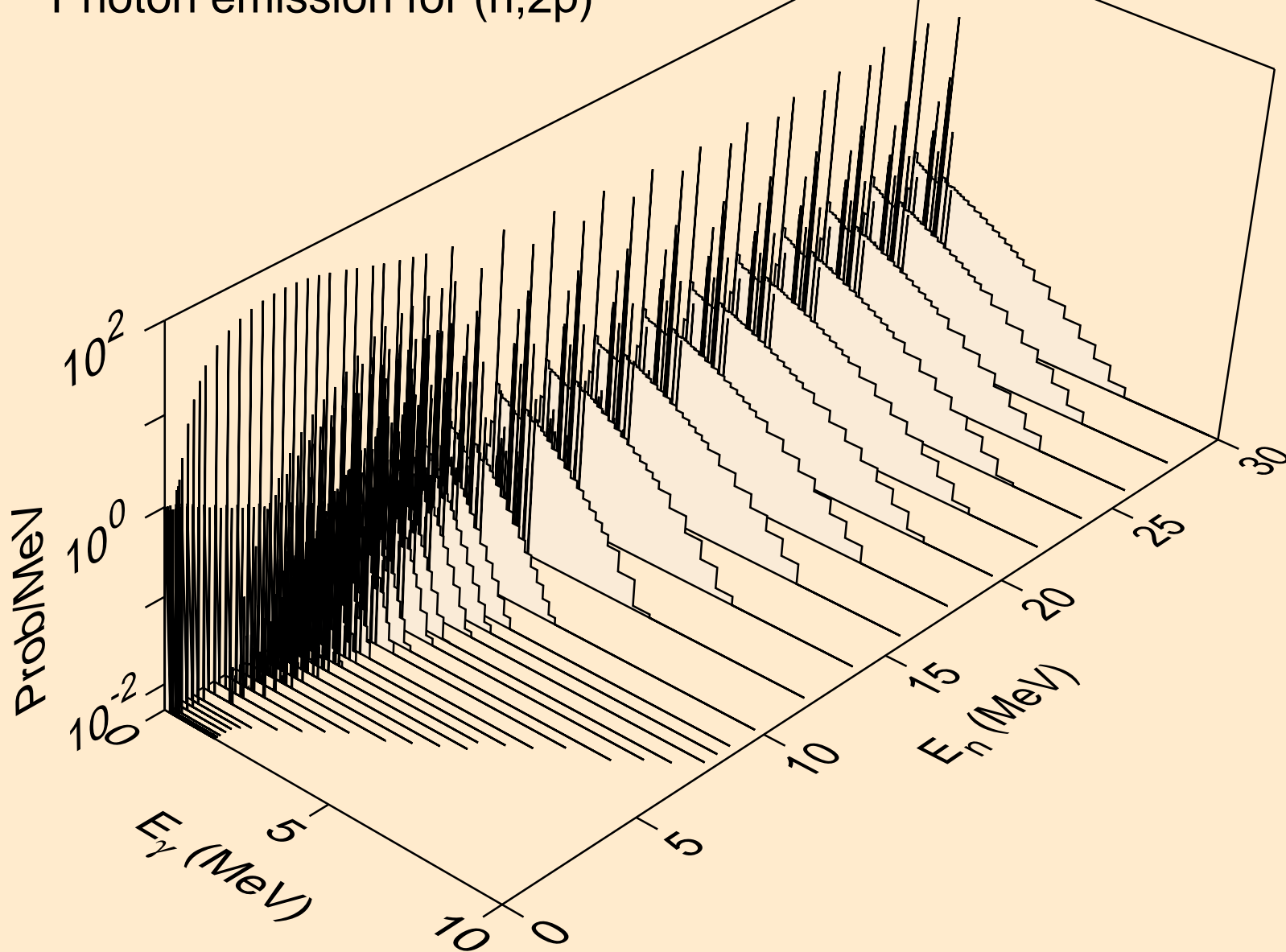
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Photon emission for (n,2a)



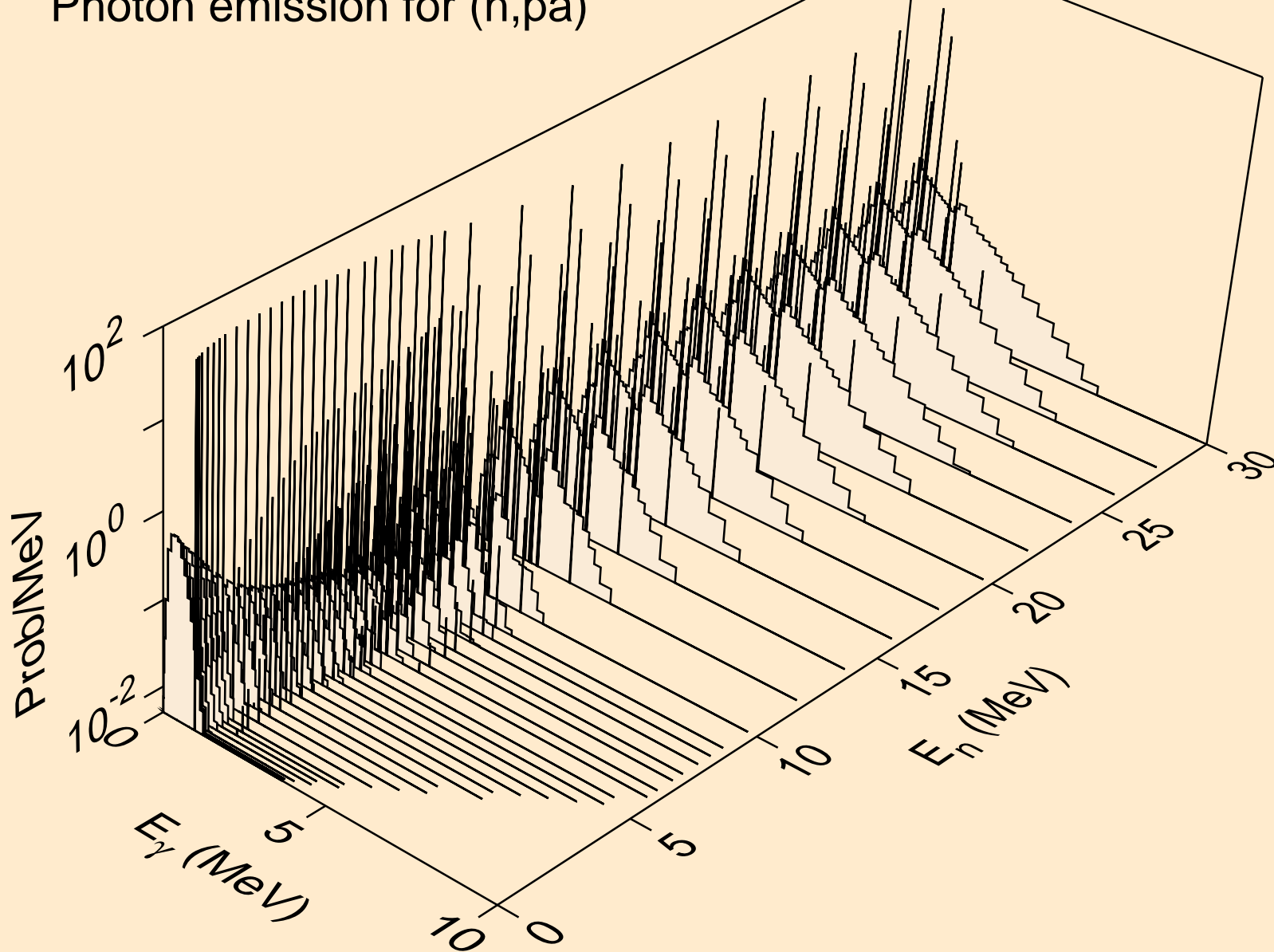
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

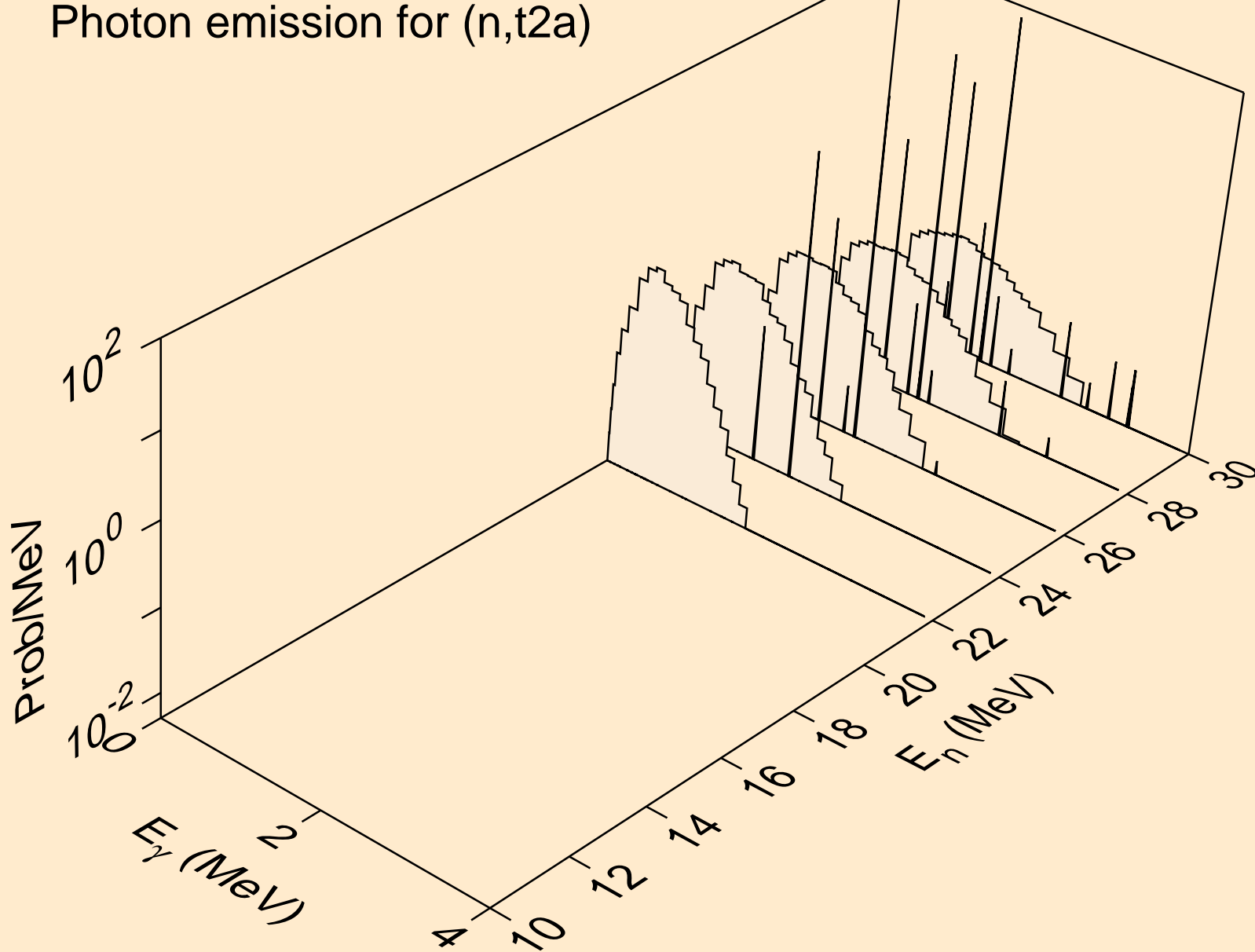


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Photon emission for (n,p $\alpha$ )

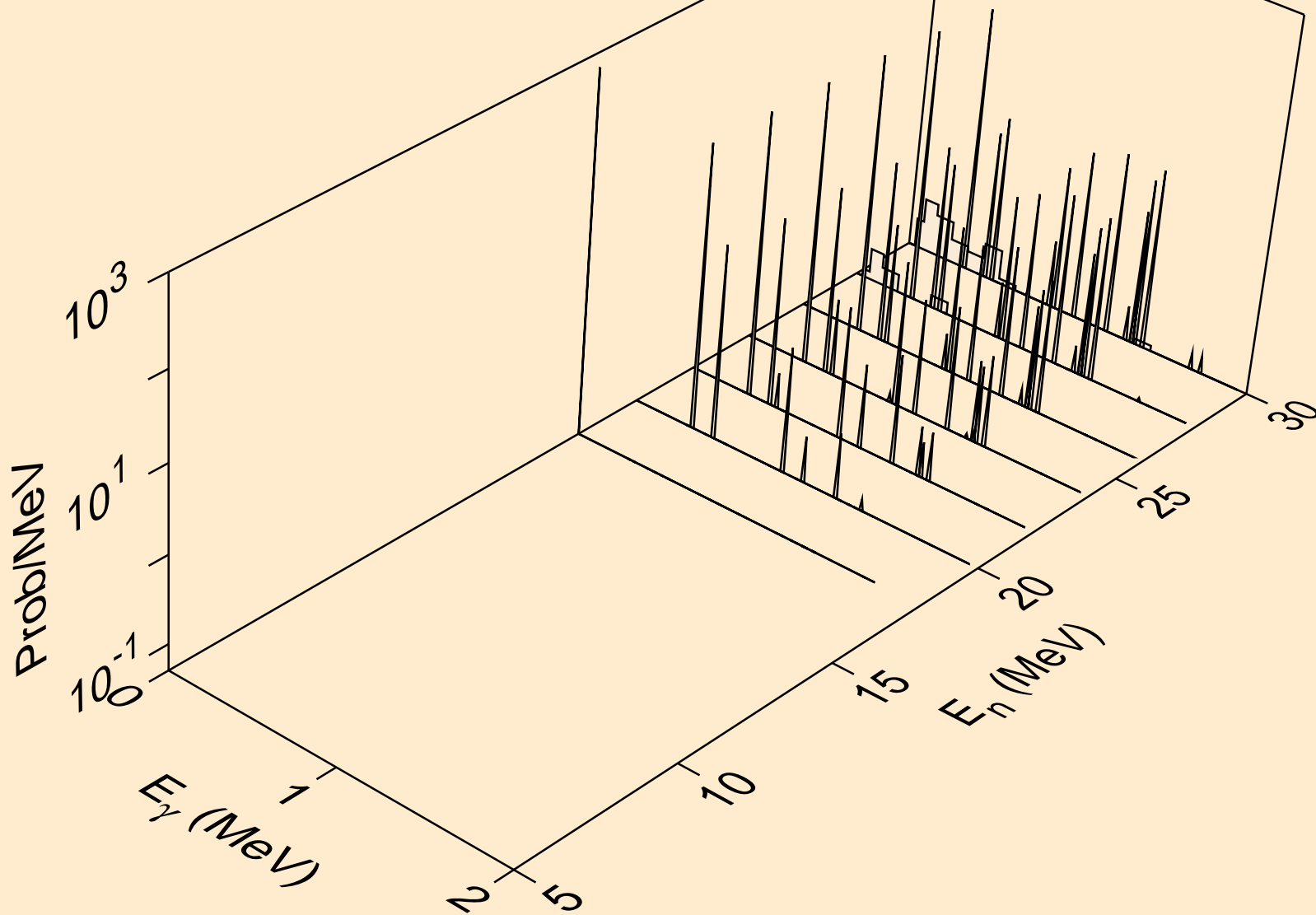




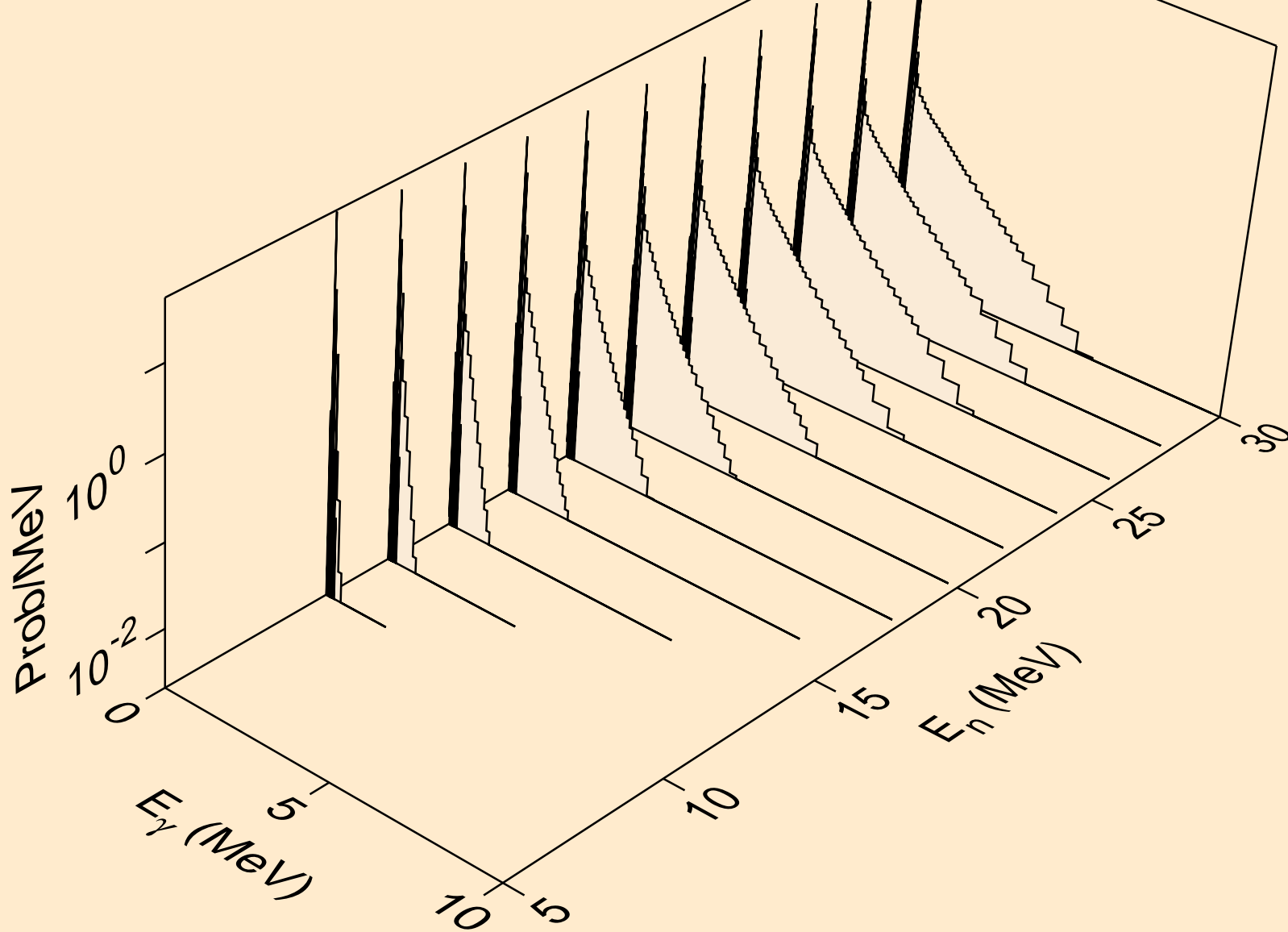
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Photon emission for (n,t2a)



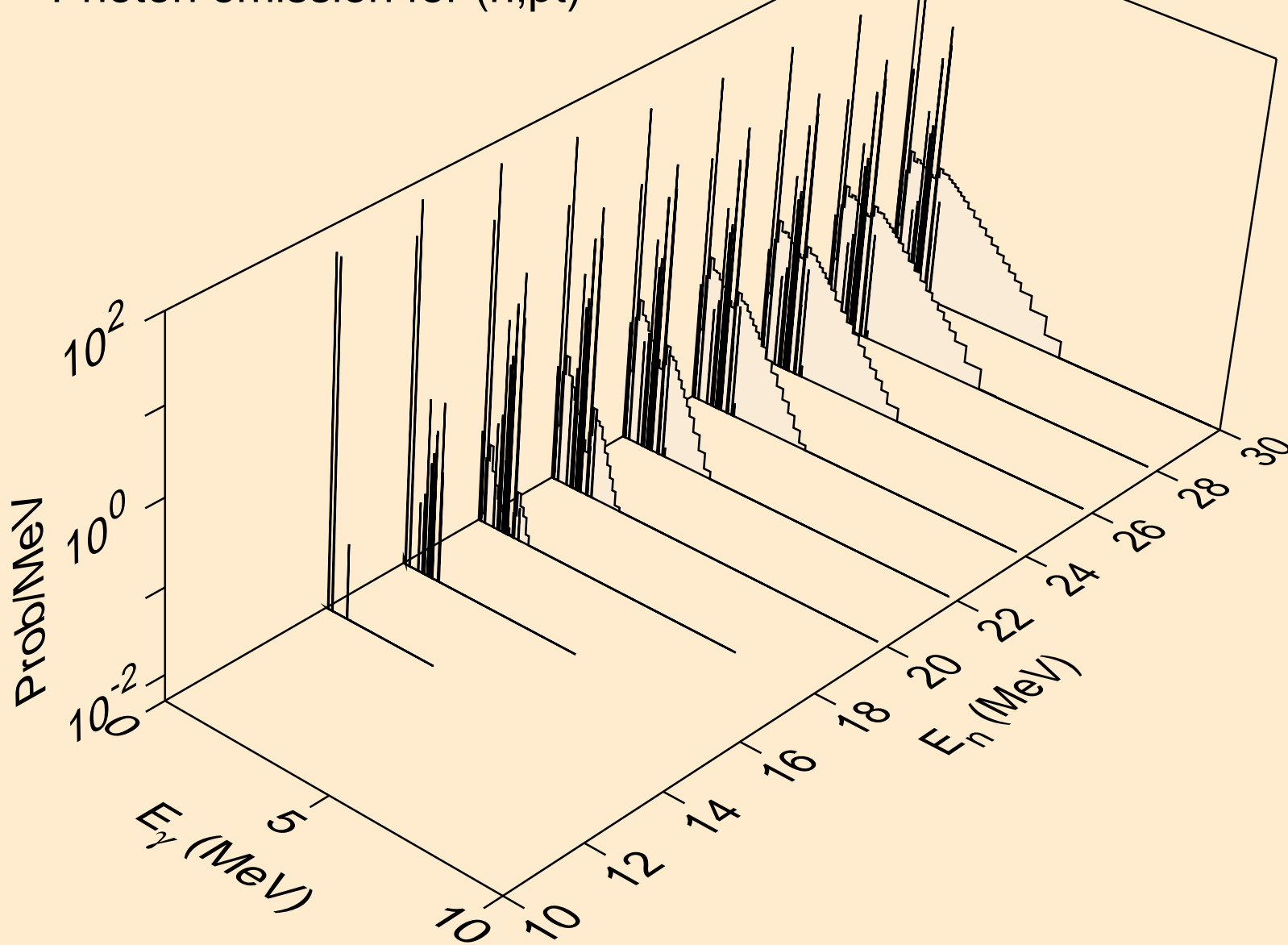
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Photon emission for (n,d2a)



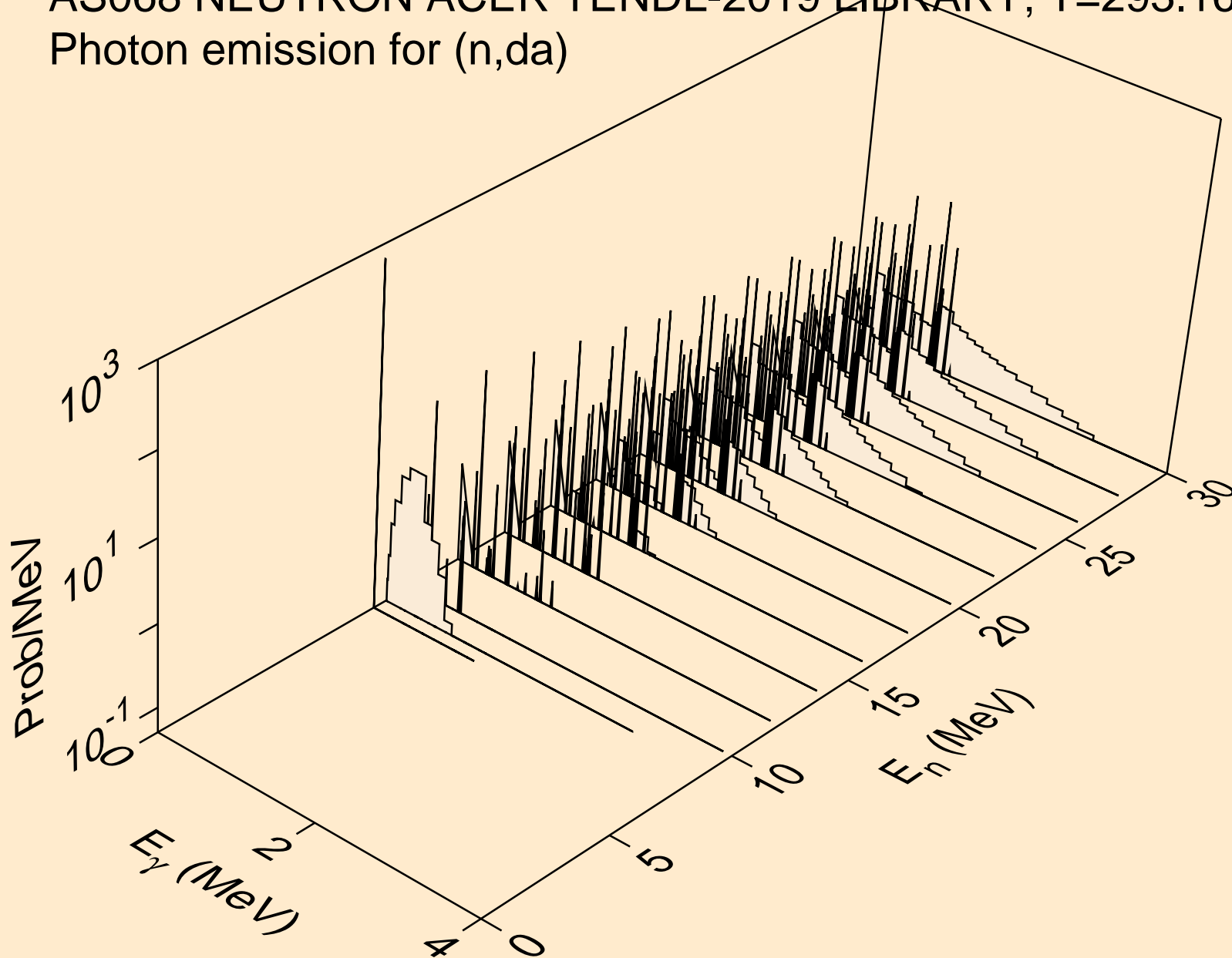
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Photon emission for (n,pd)



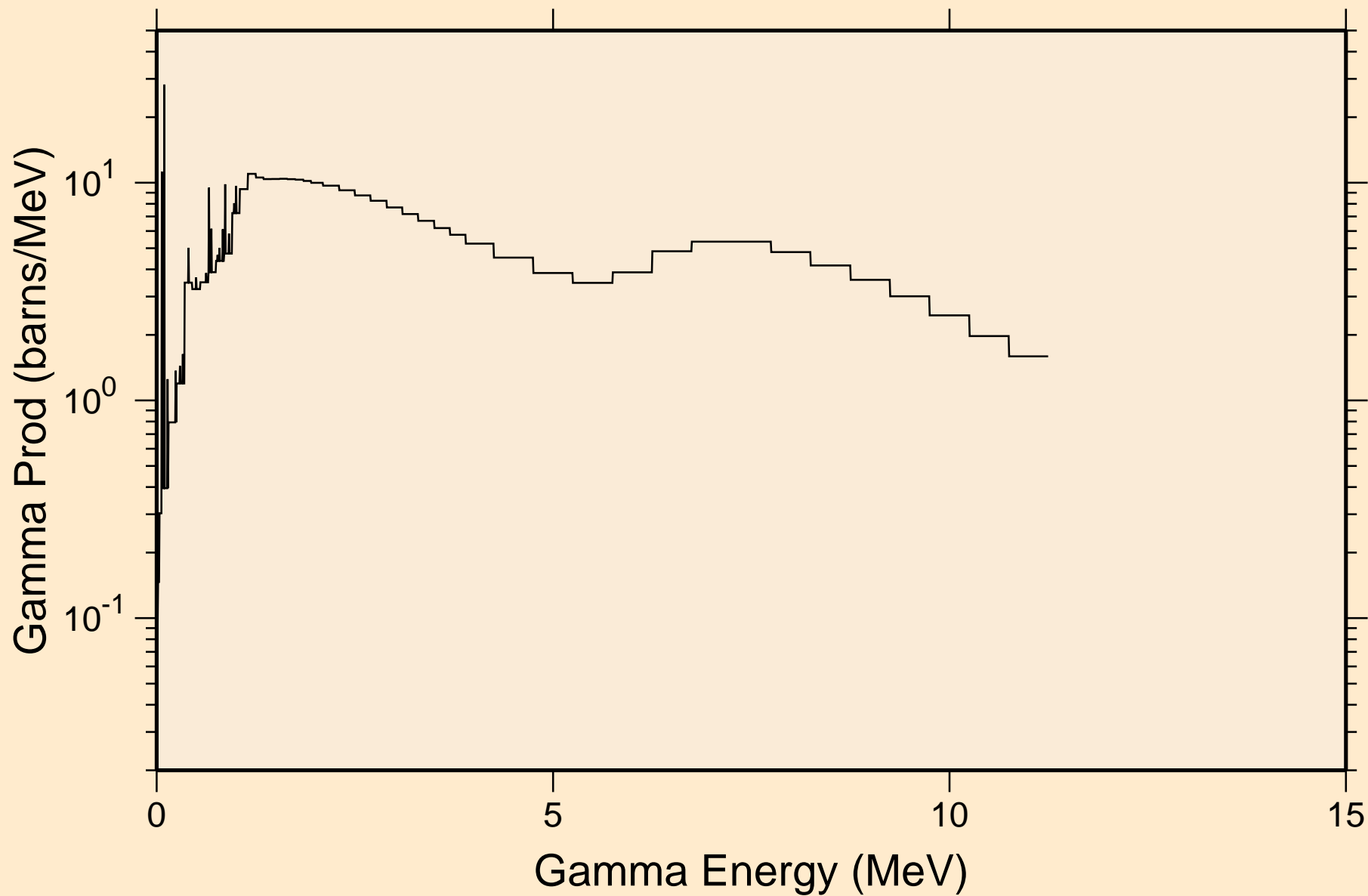
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Photon emission for (n,pt)



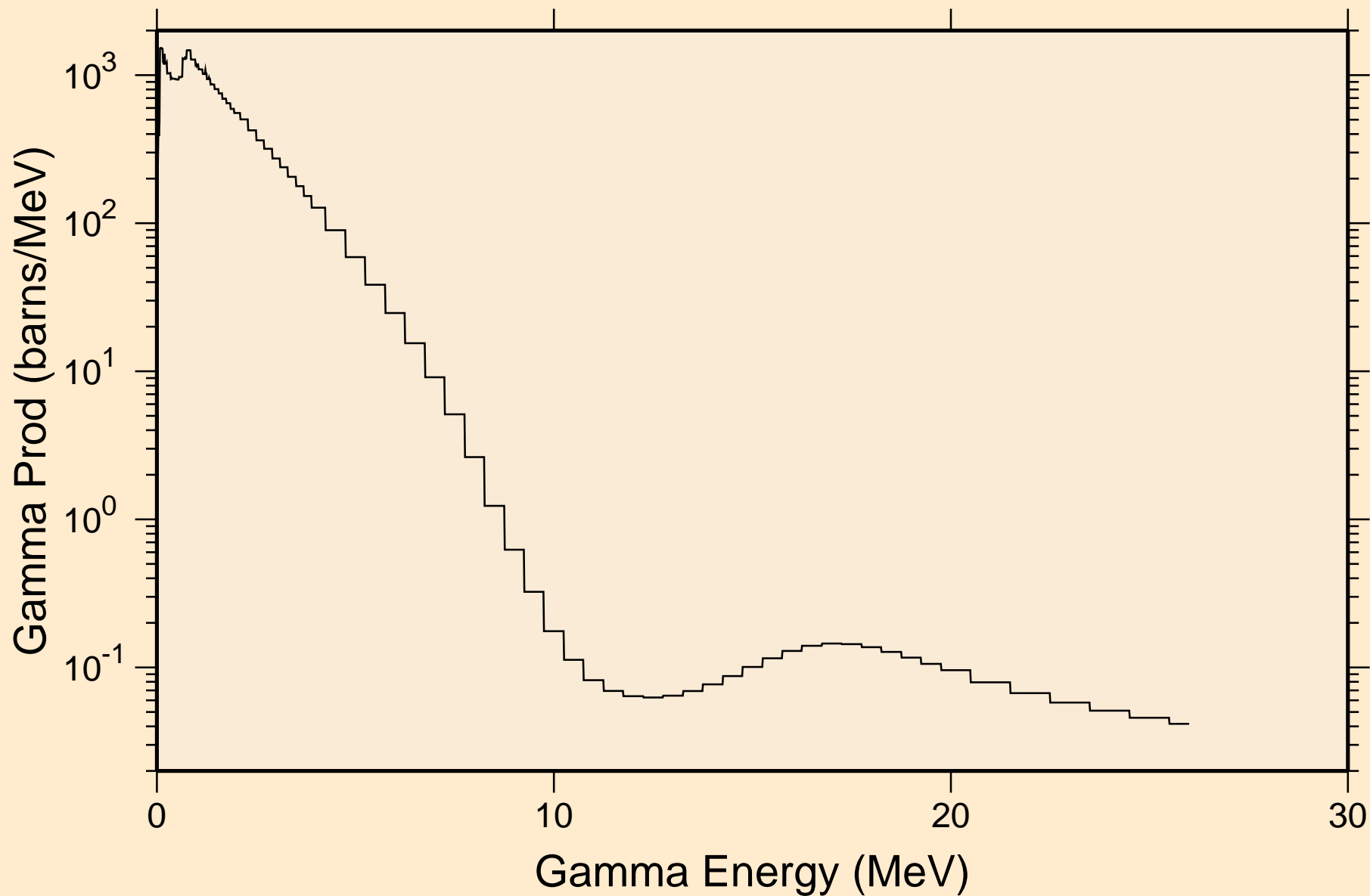
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

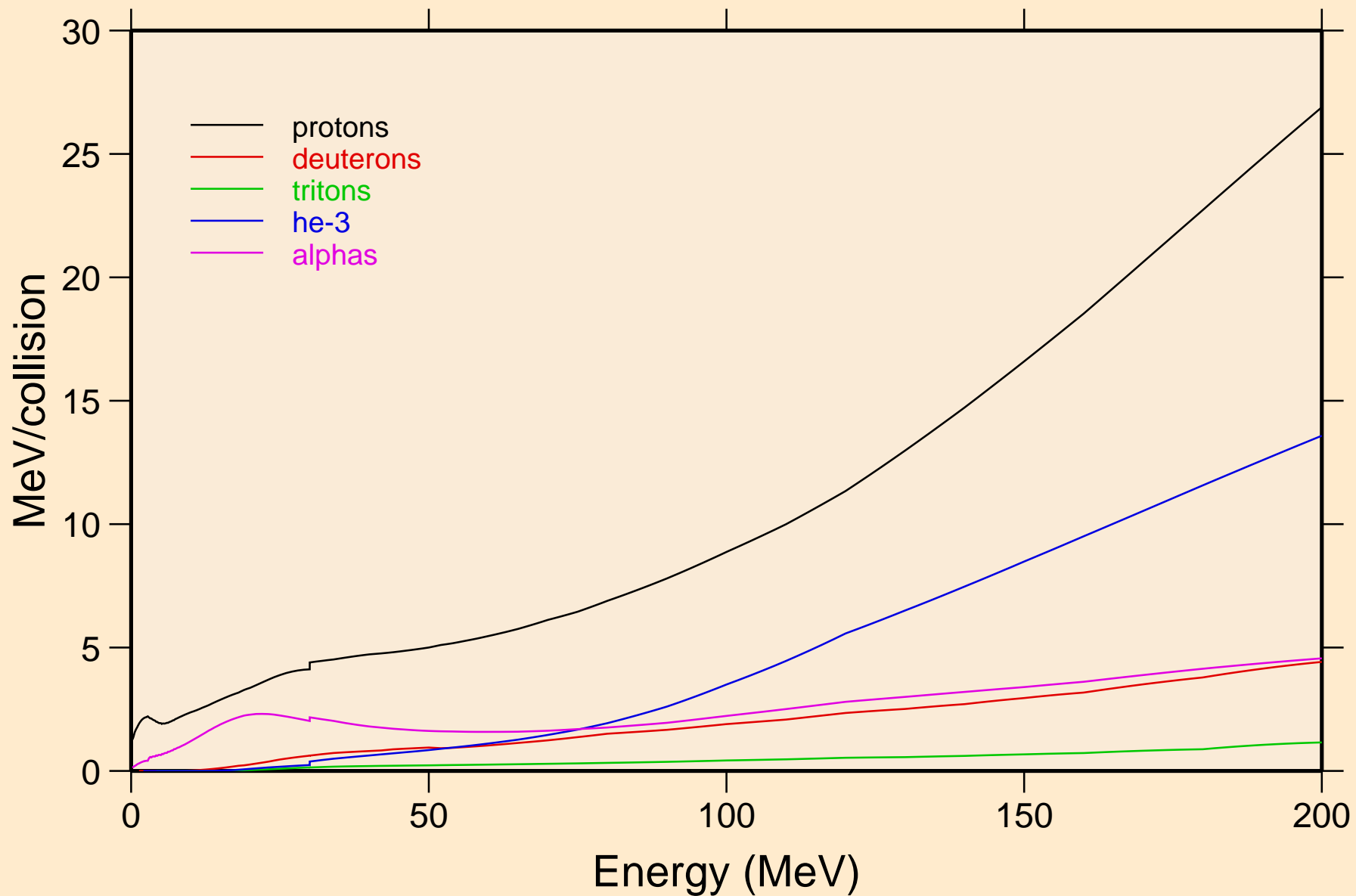


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



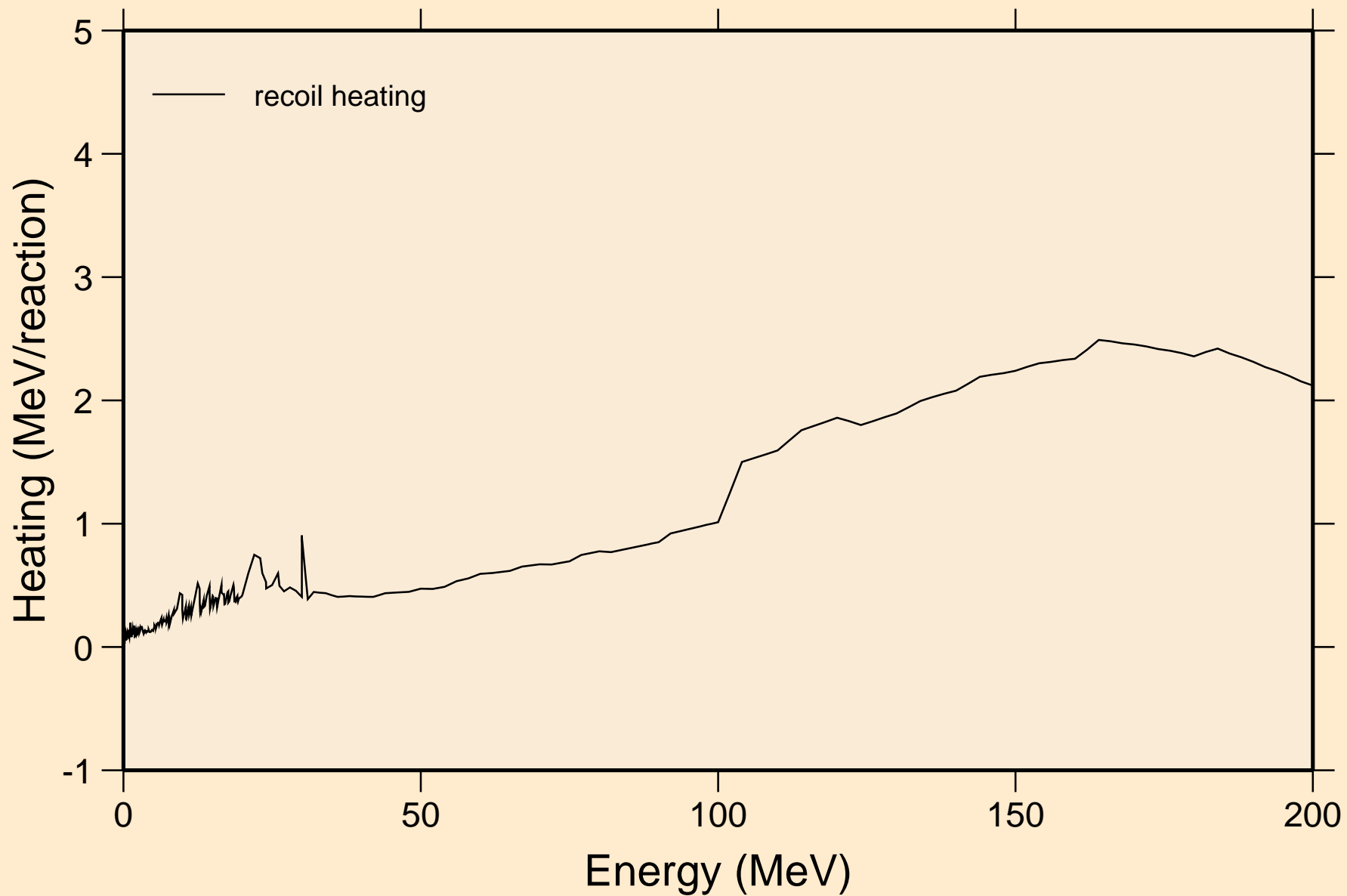
# AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



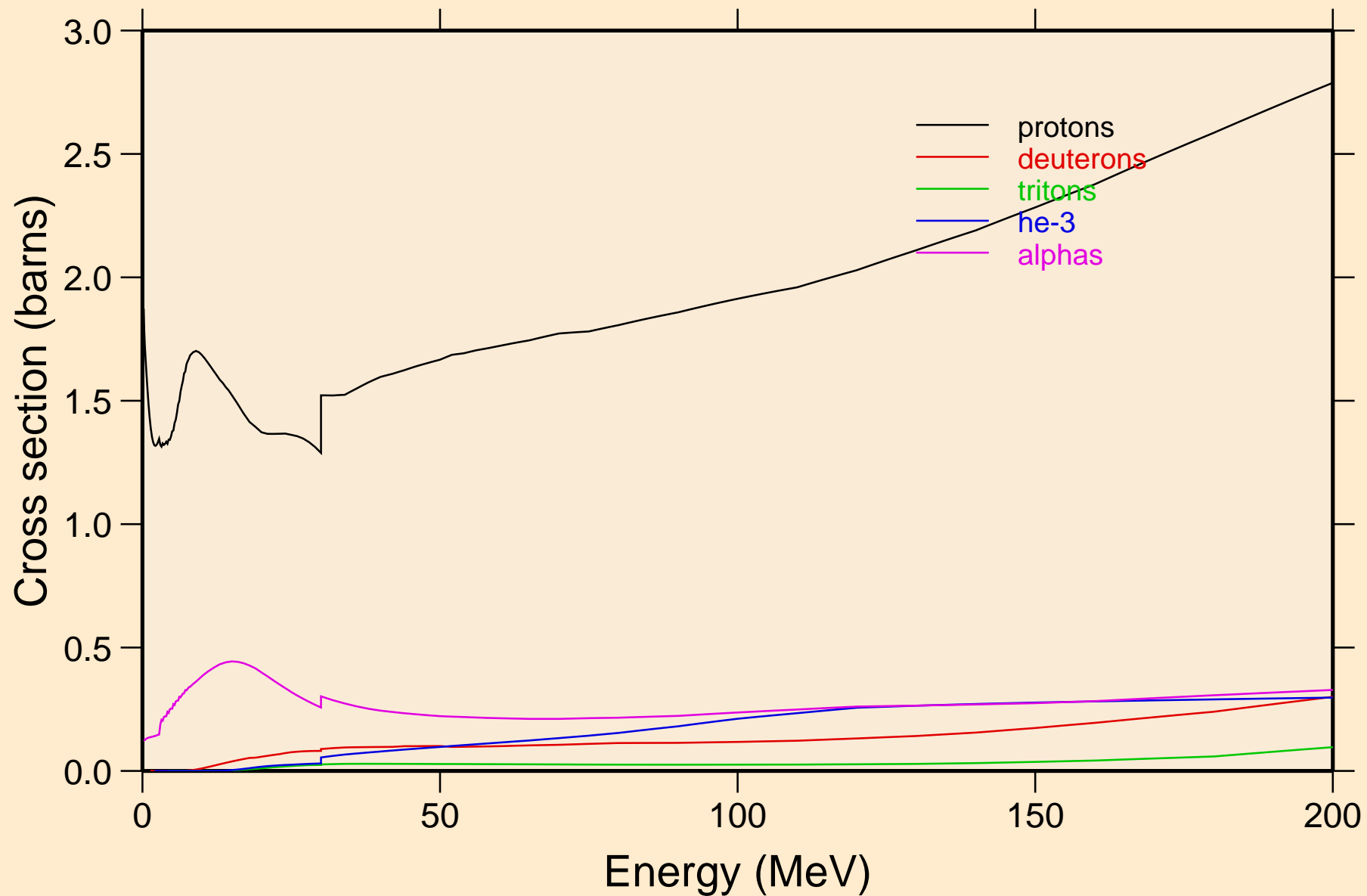


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

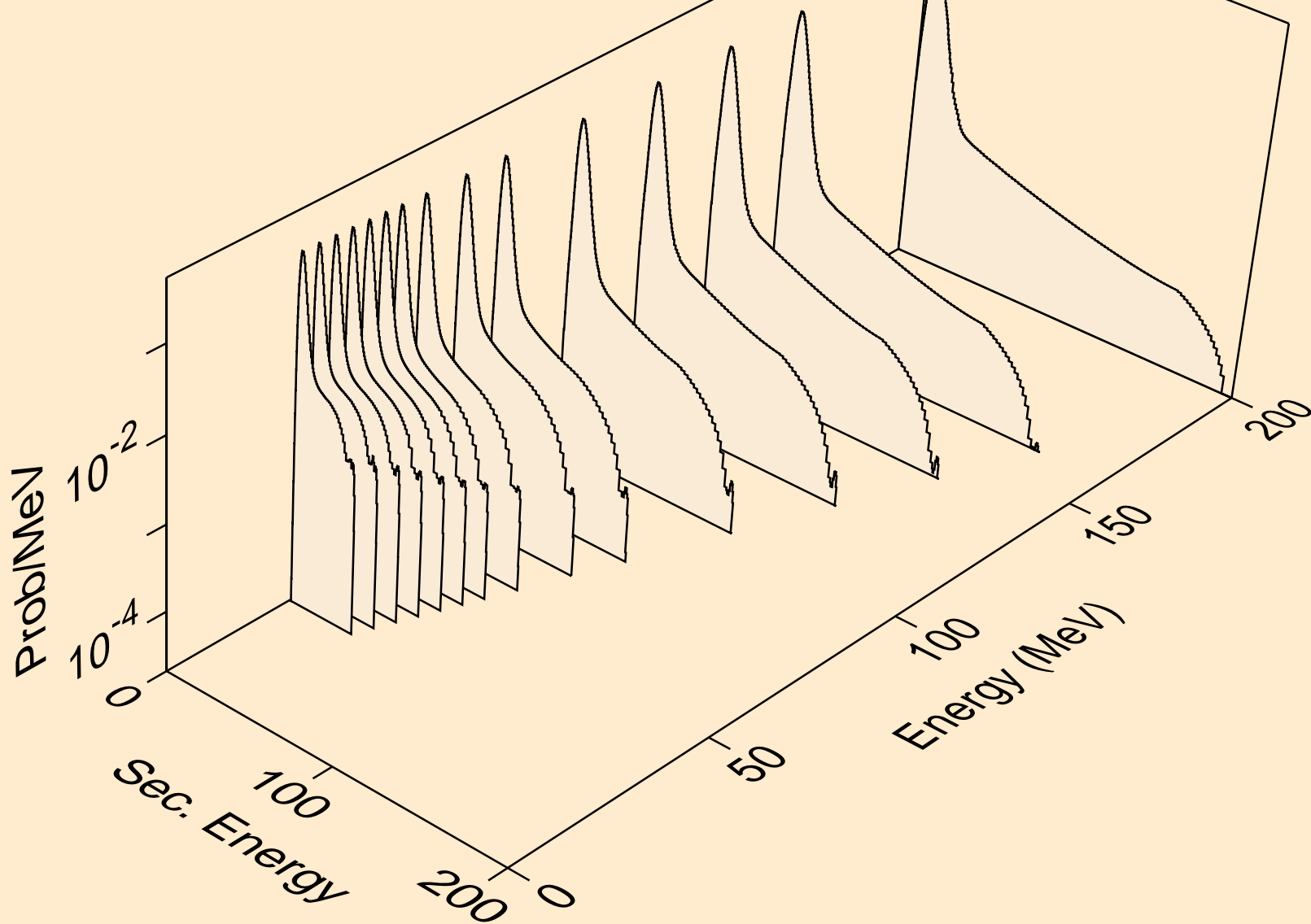


# AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

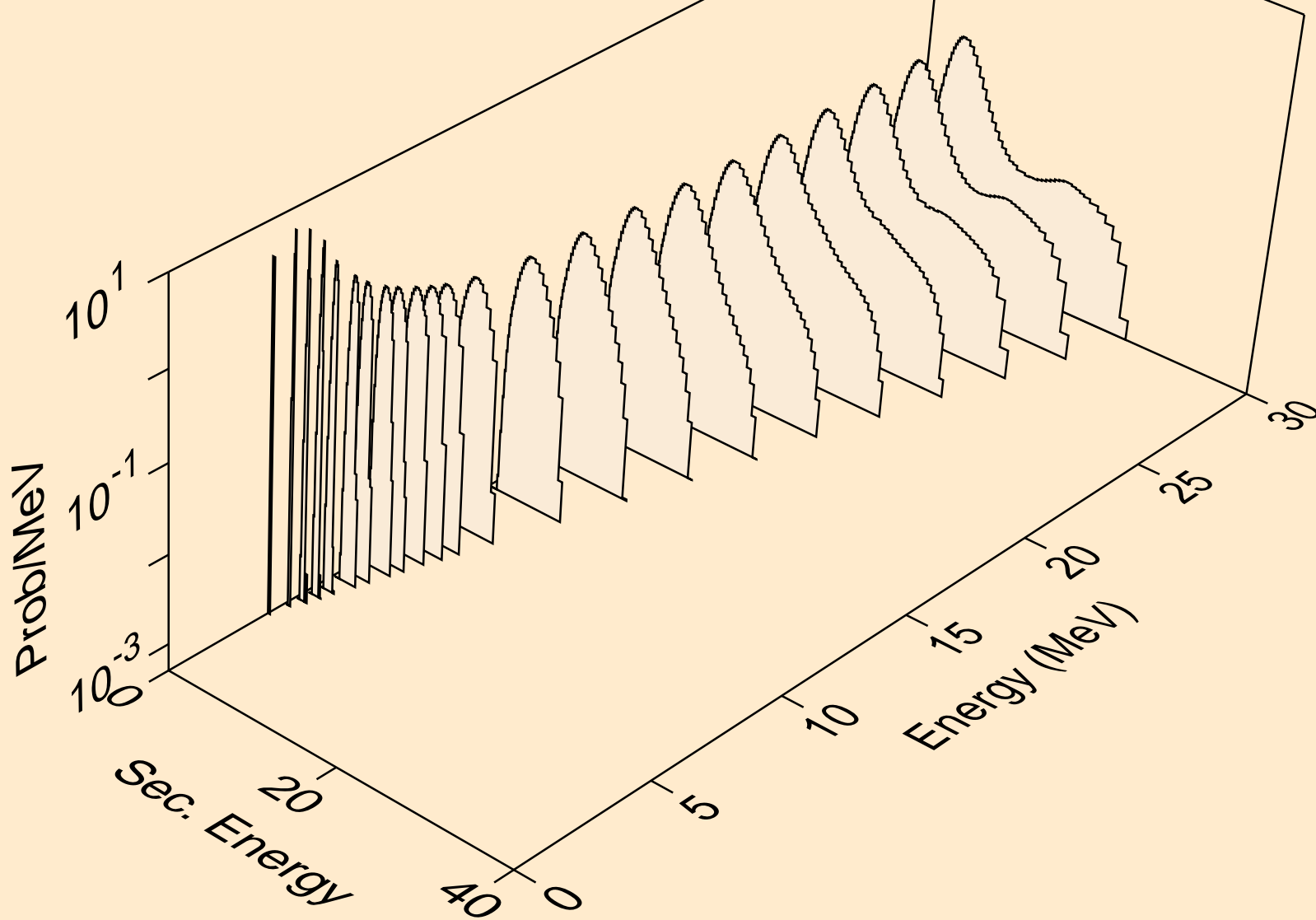
## Particle production cross sections



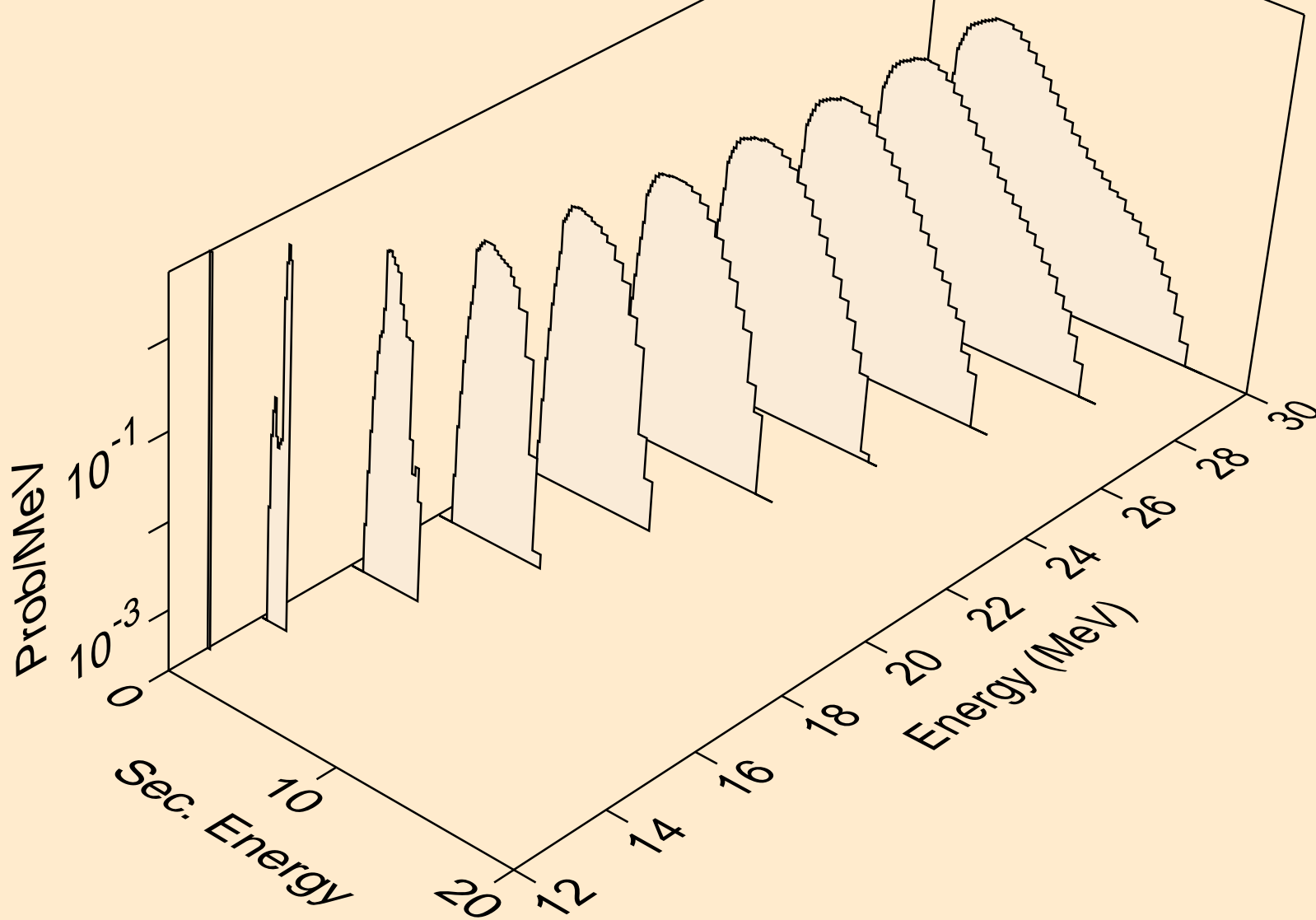
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



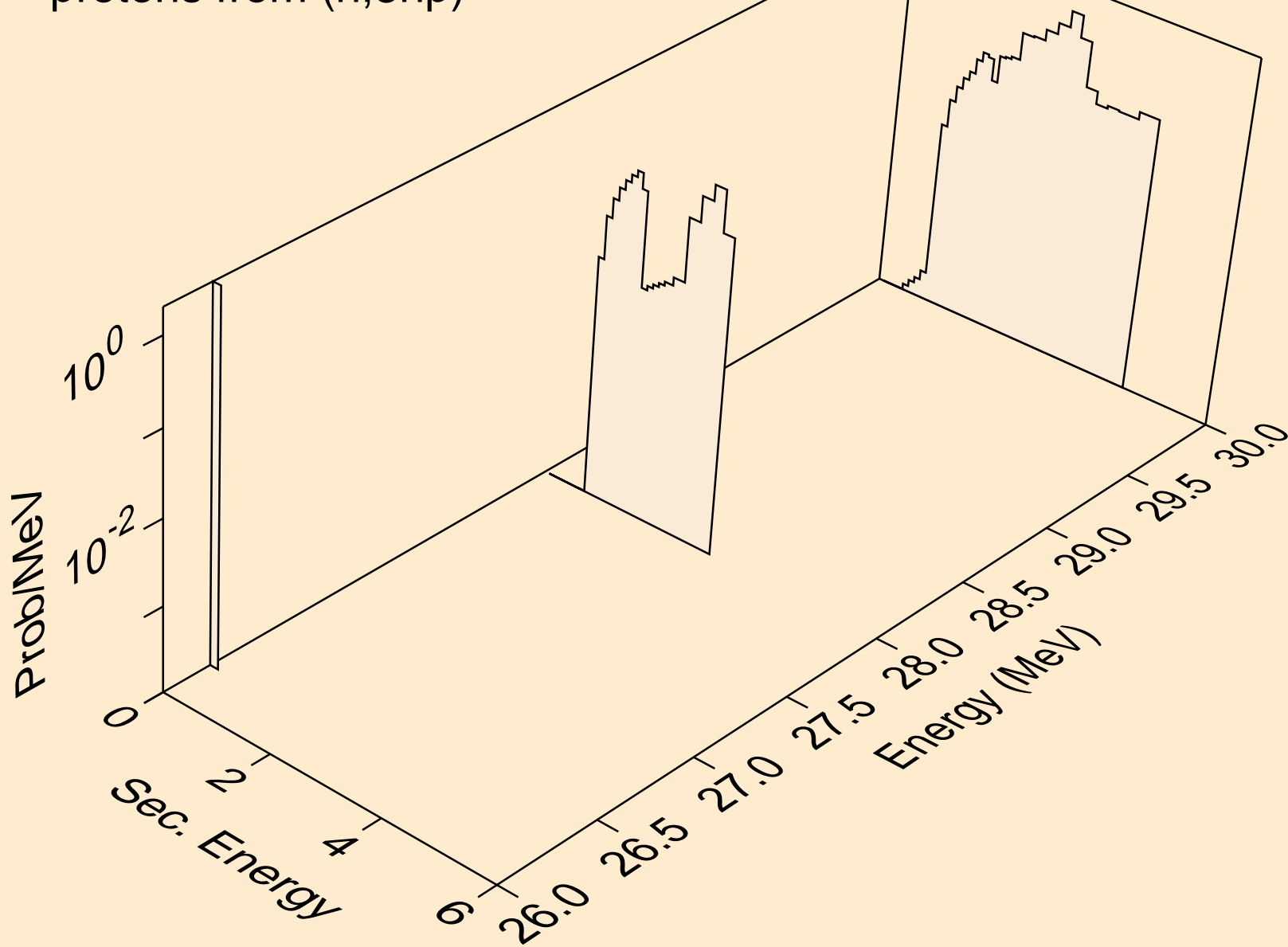
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protons from (n,n\*)p



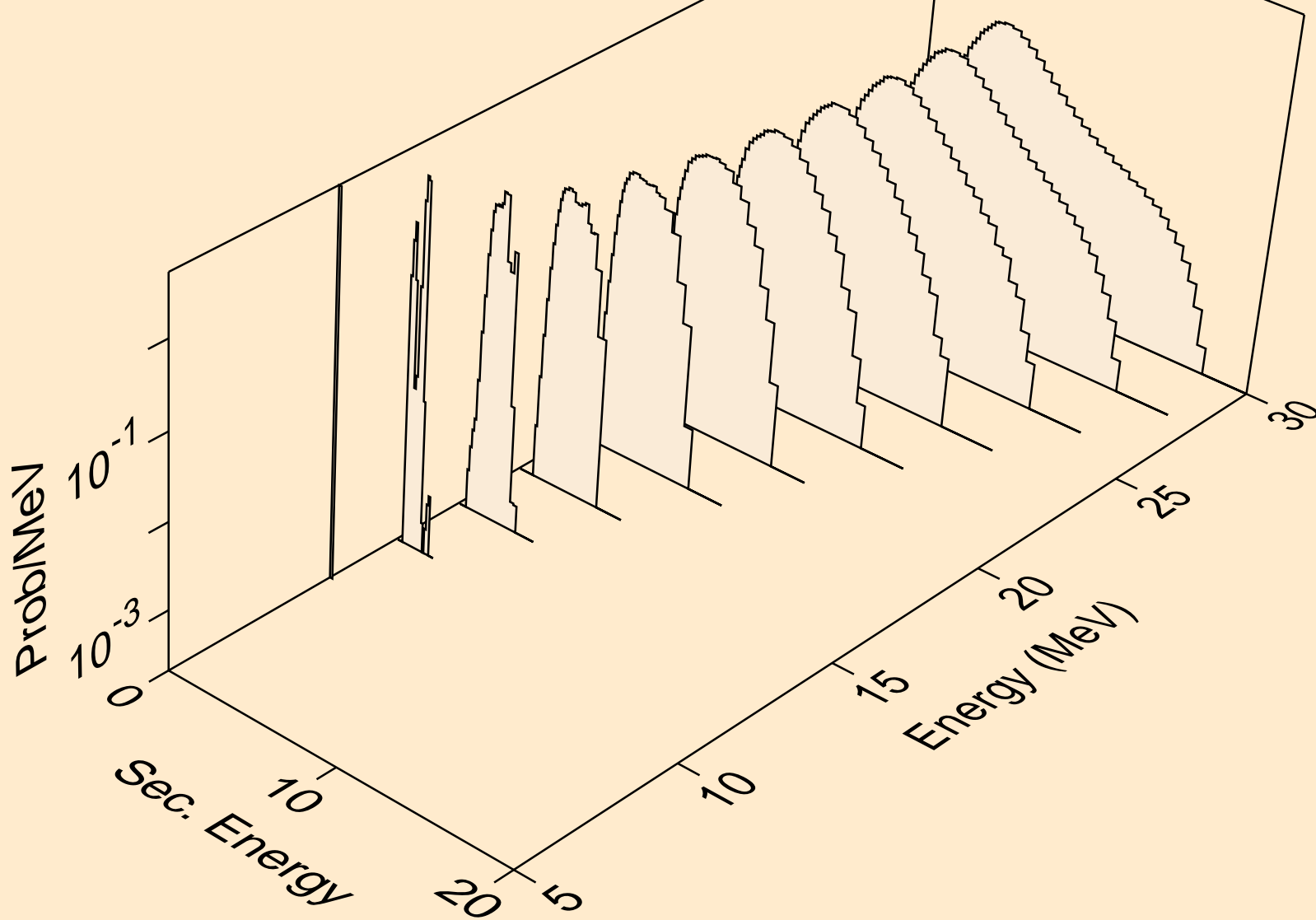
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protons from (n,2np)



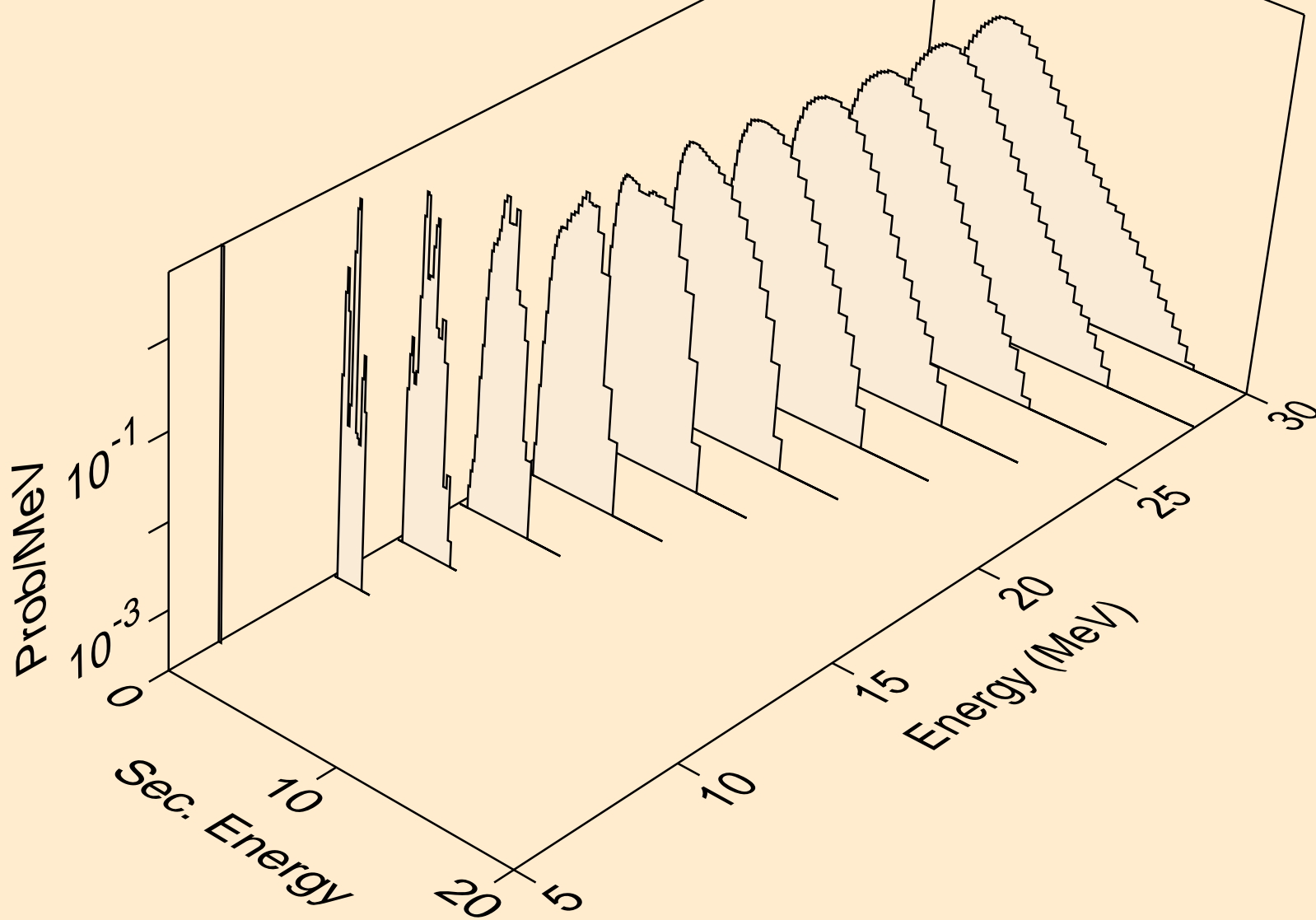
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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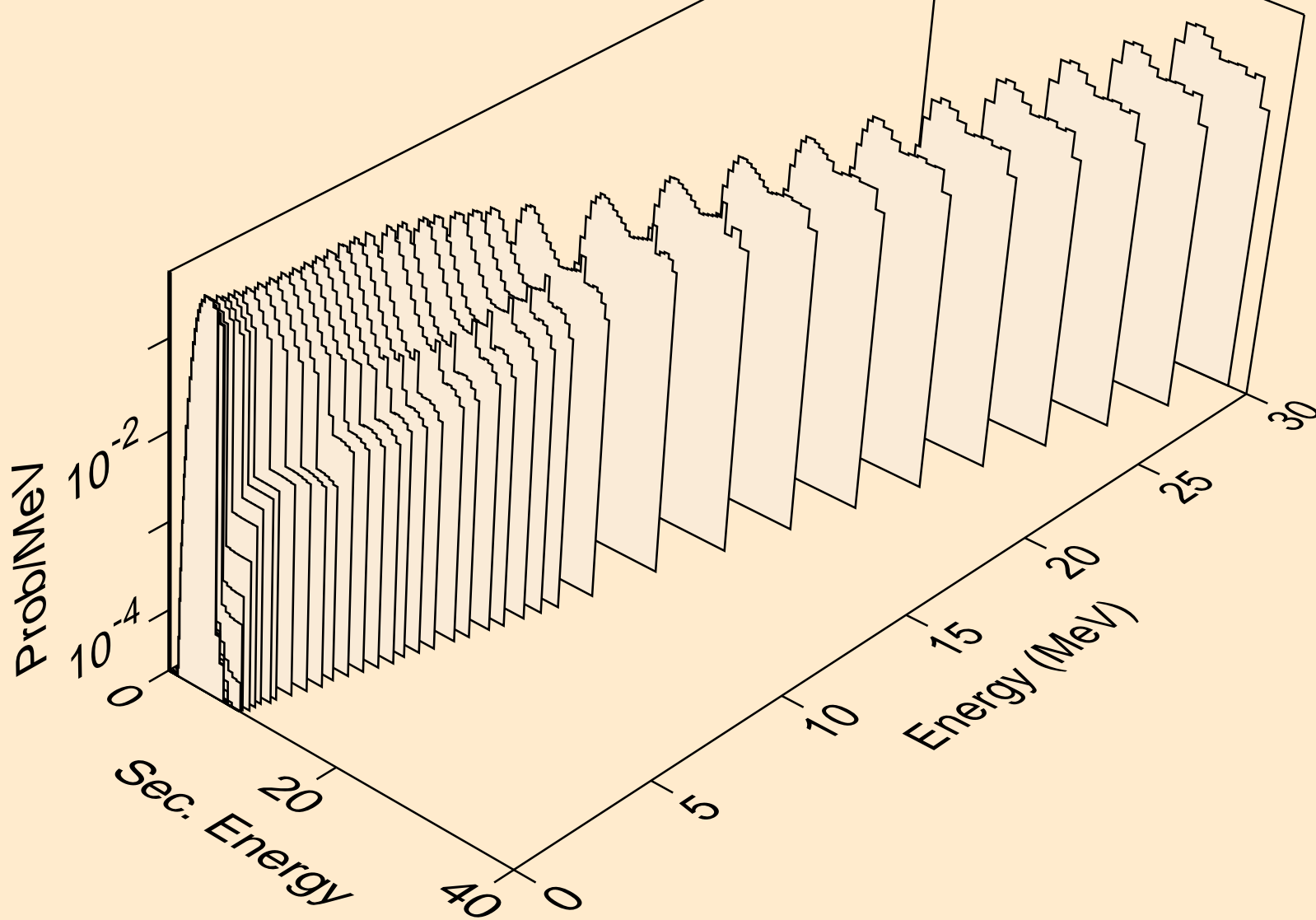


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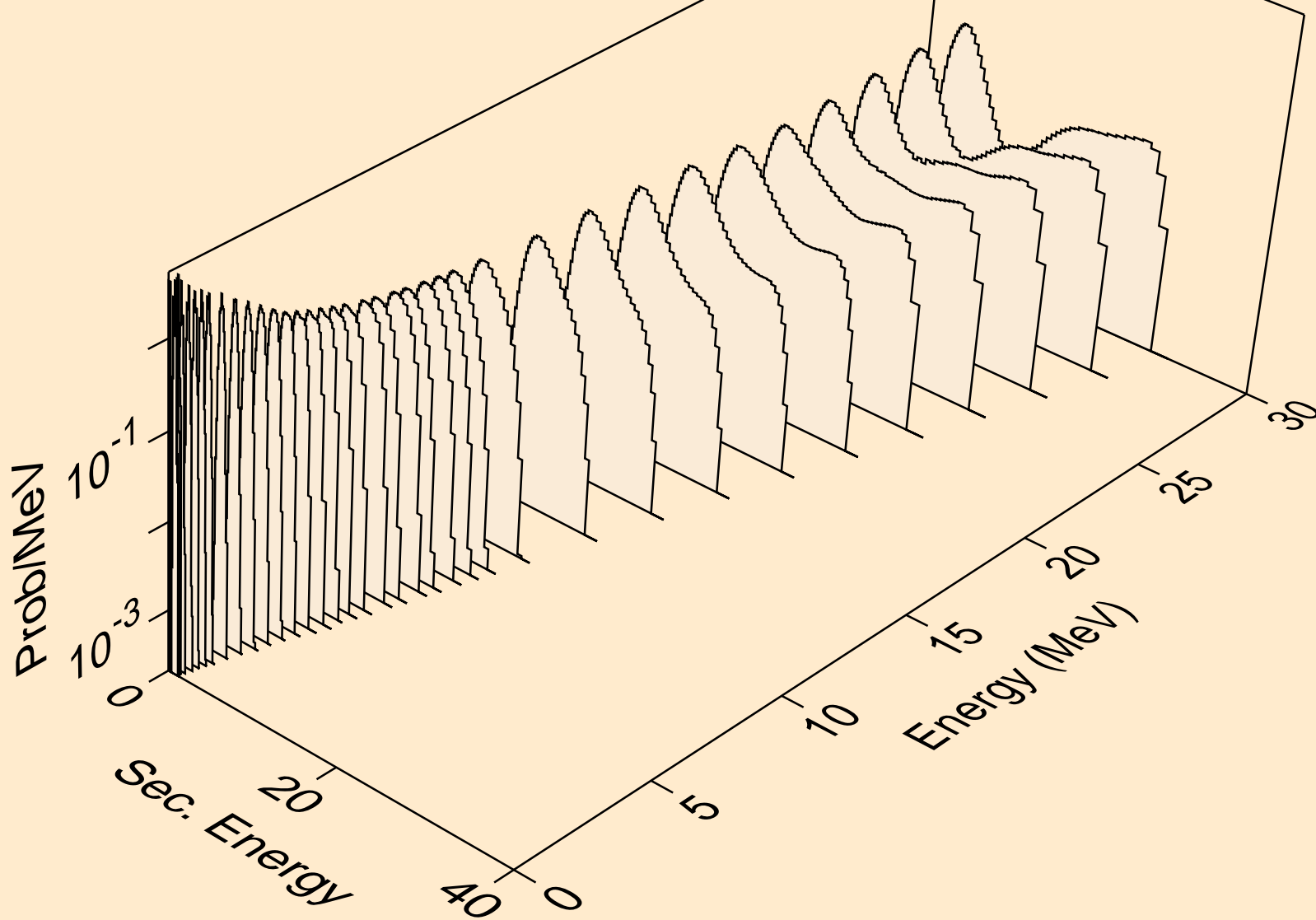




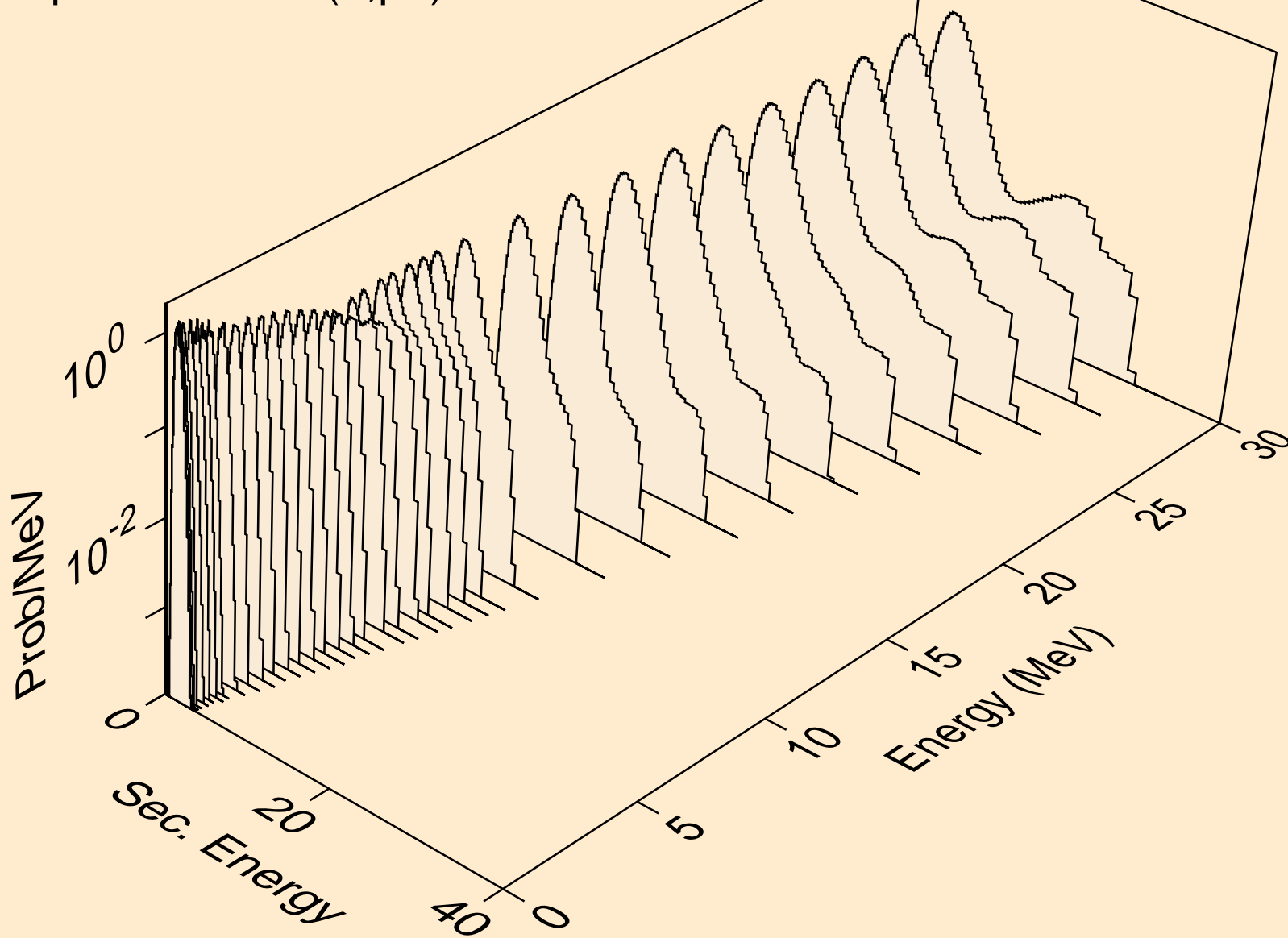
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protons from (n,p)



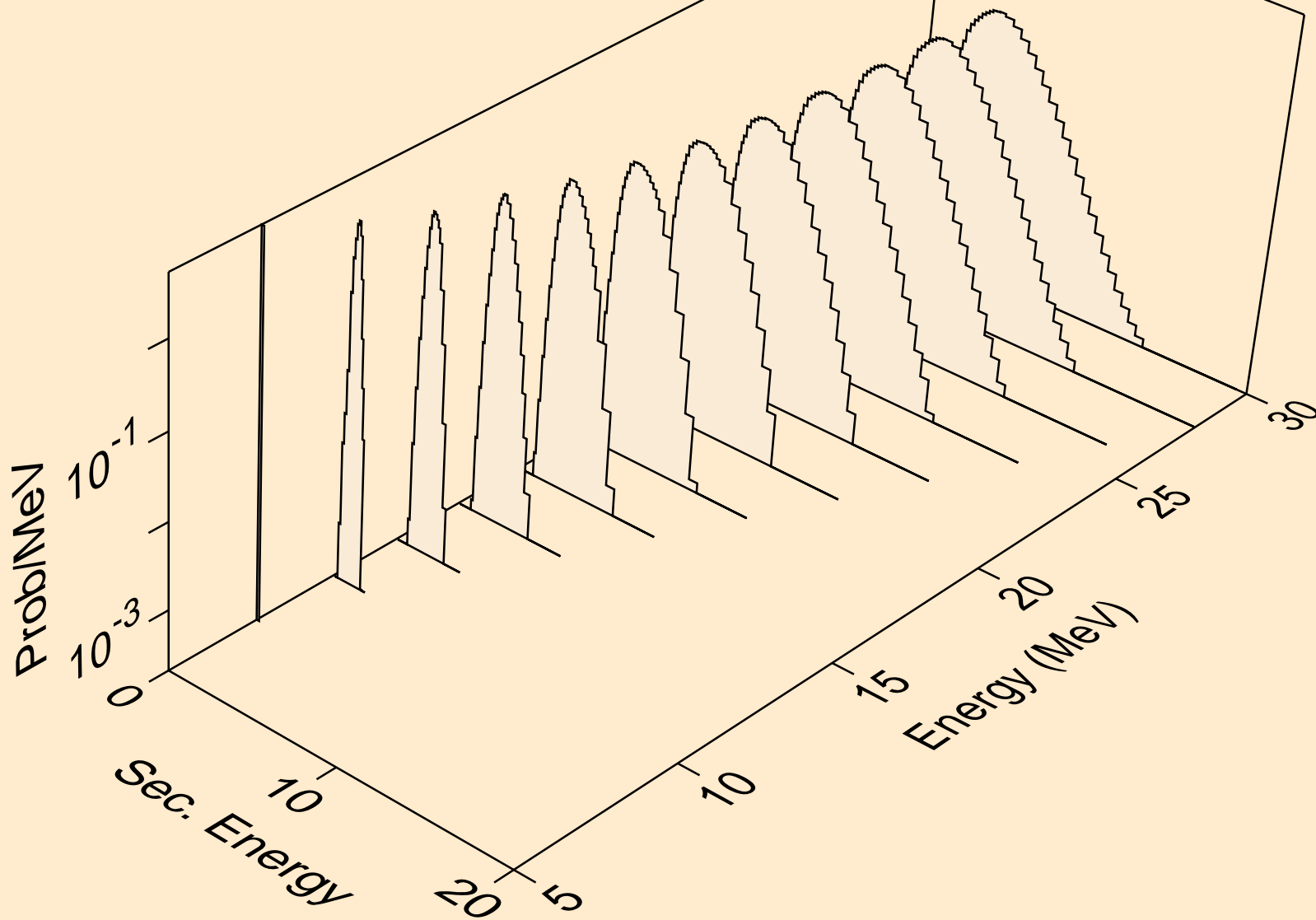
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protons from (n,2p)



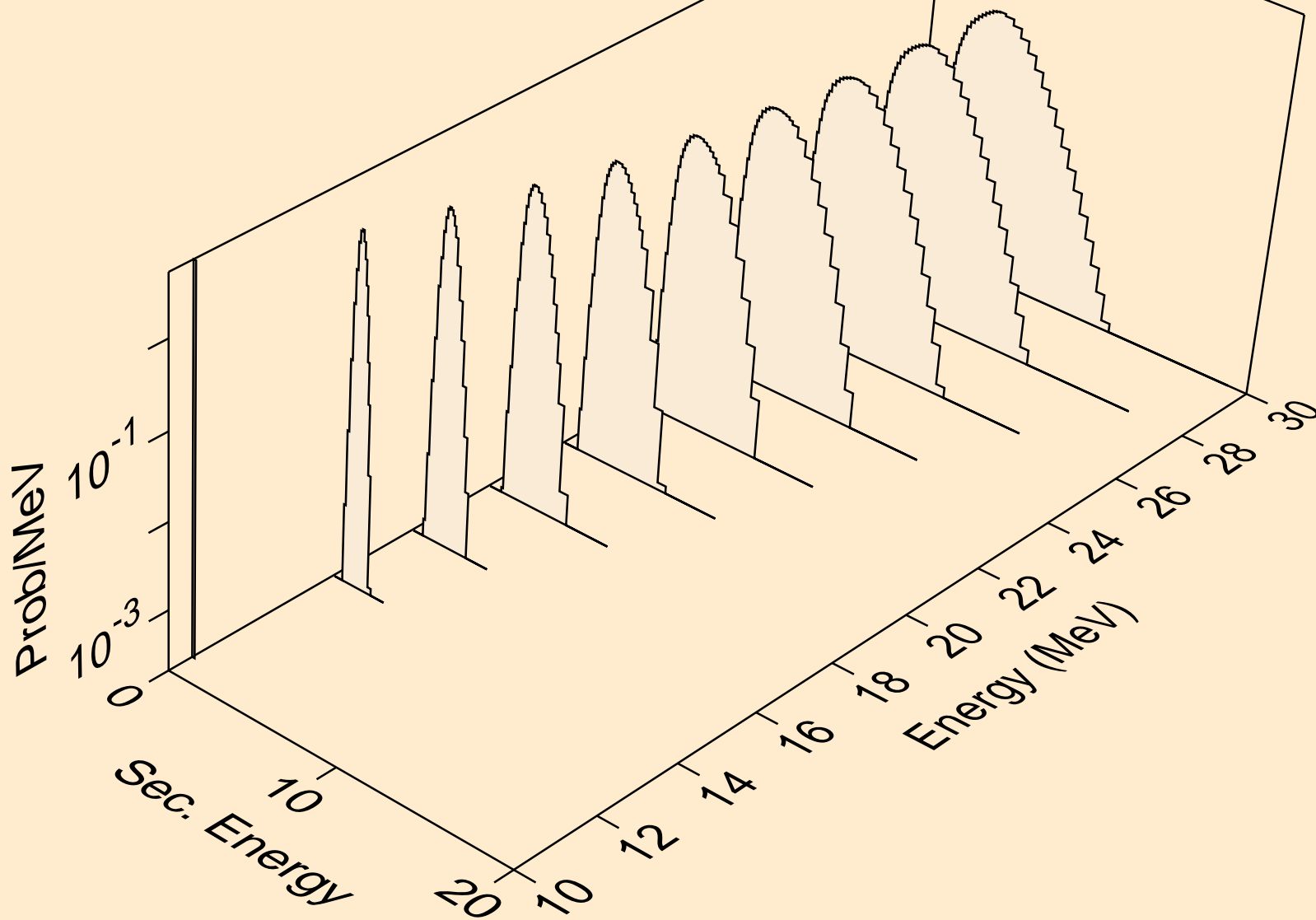
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protons from (n,p)



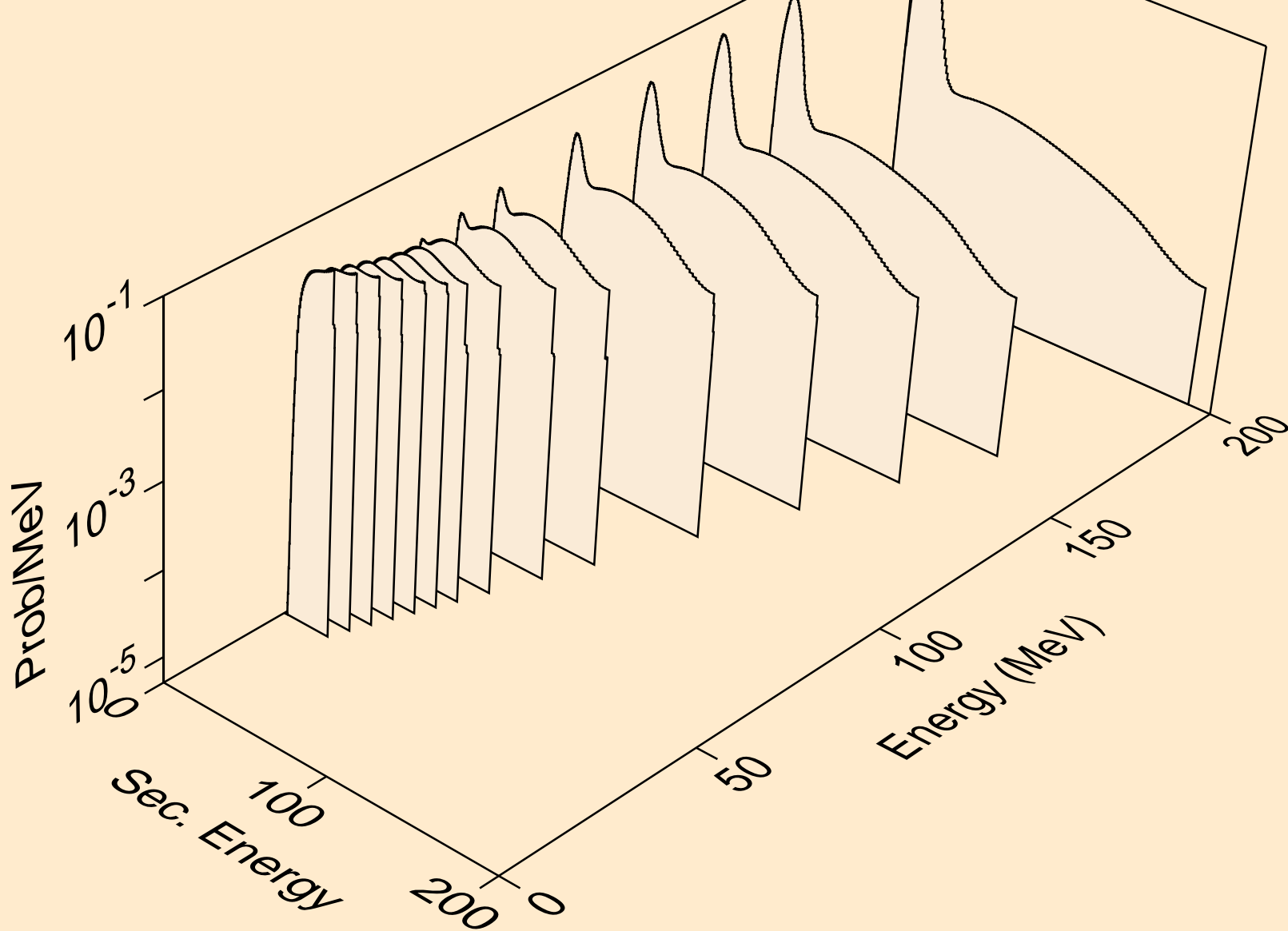
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protons from (n,pd)



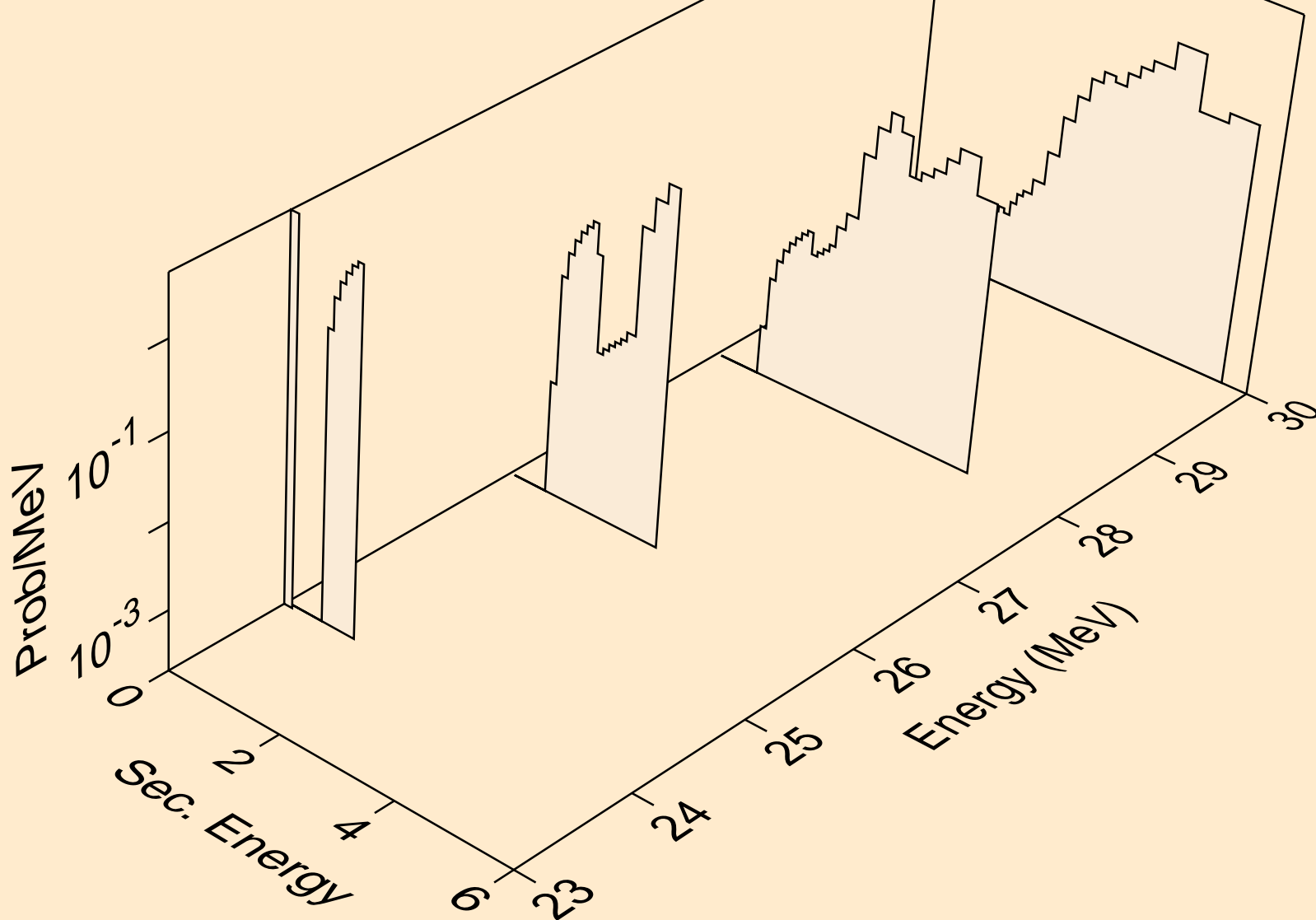
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protons from (n,pt)



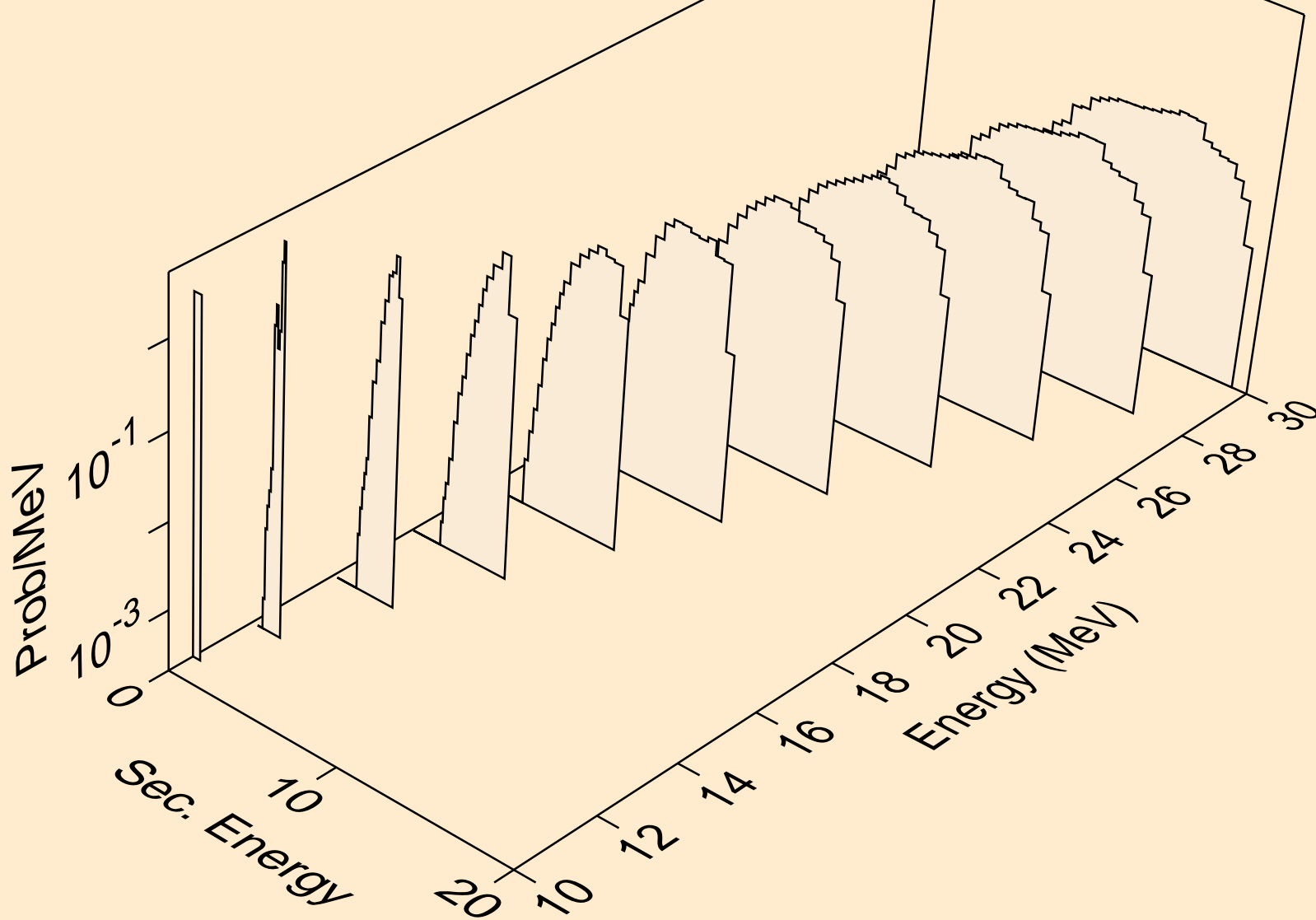
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deuterons from (n,x)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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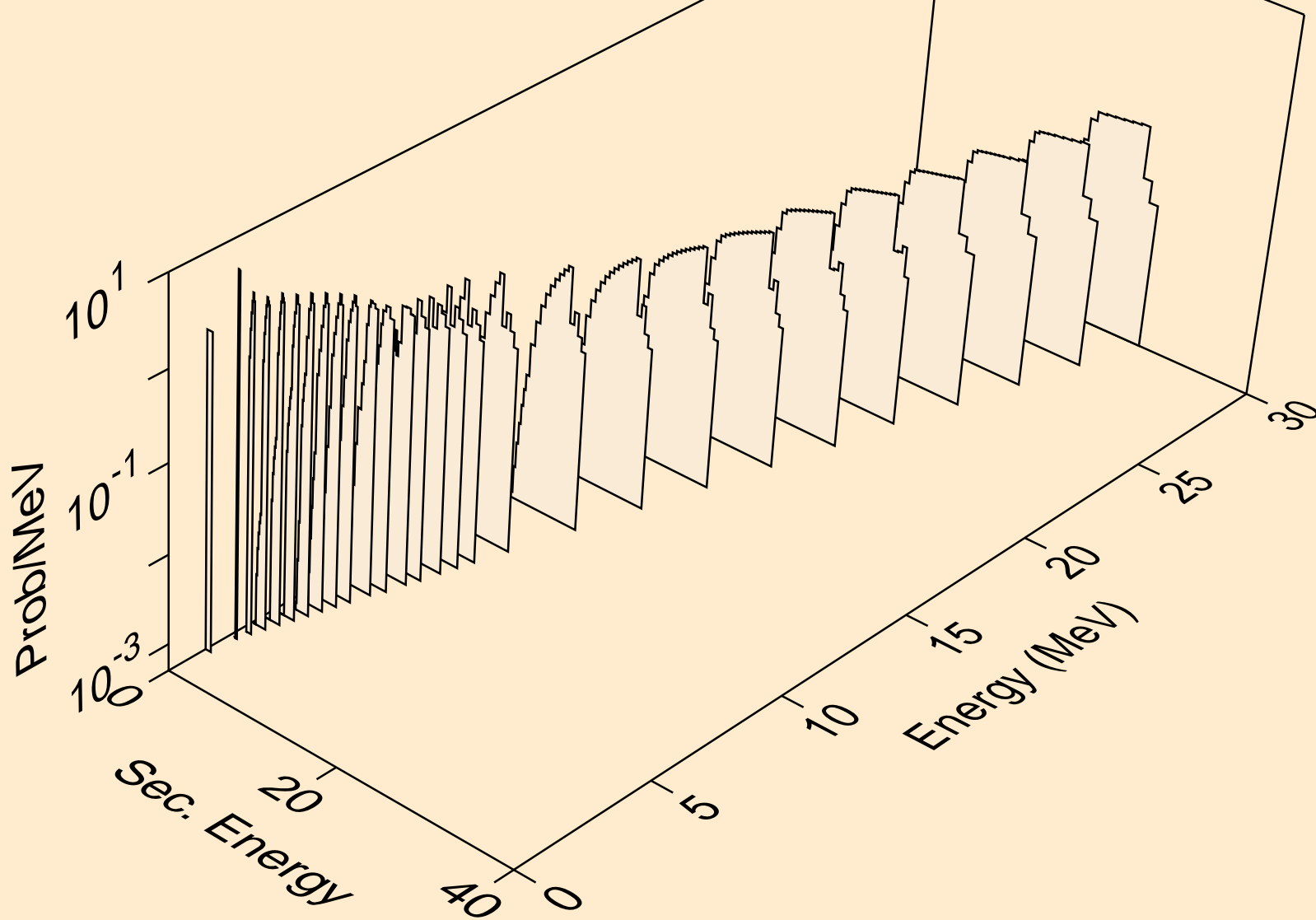


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deuterons from (n,n\*)d

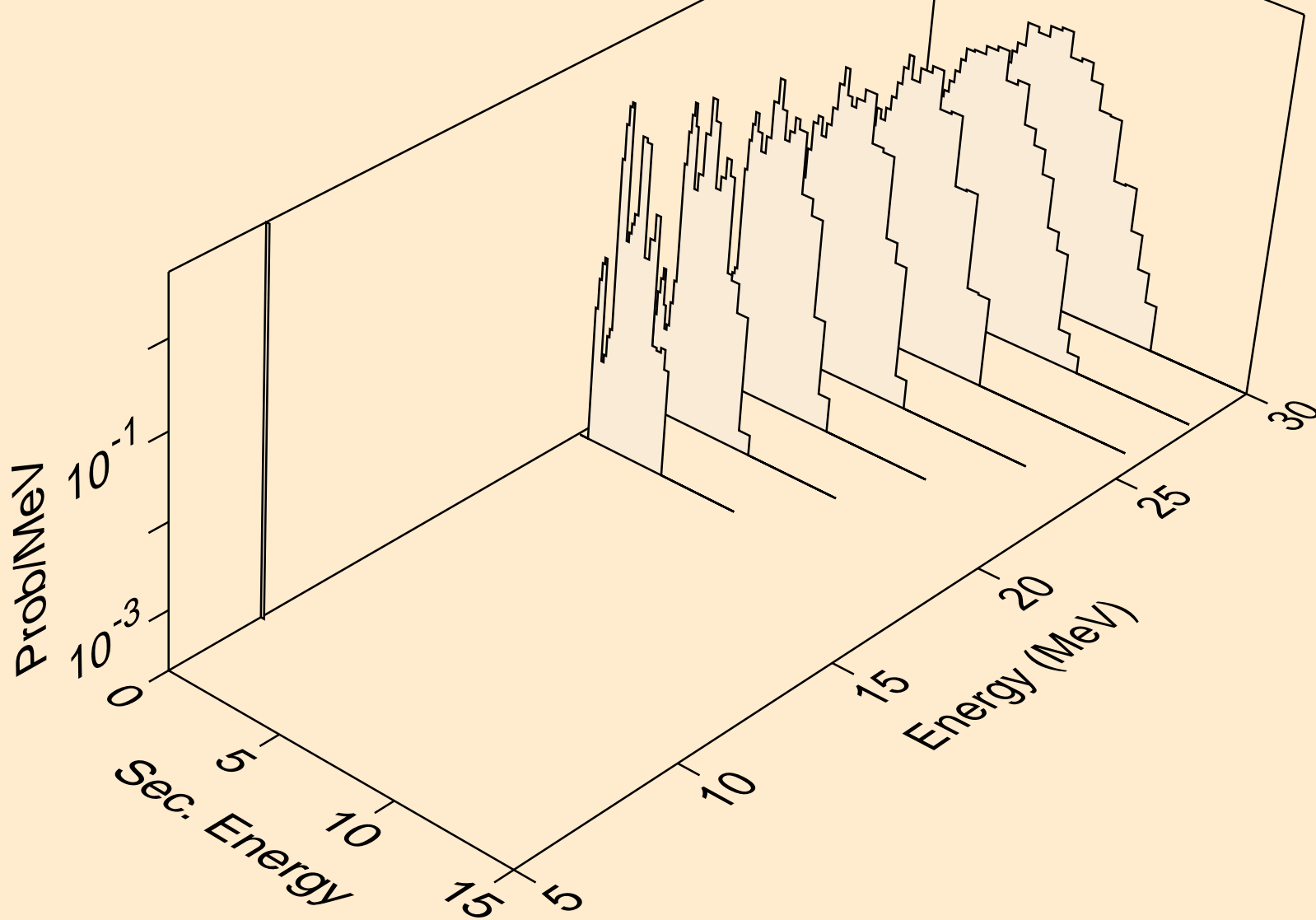




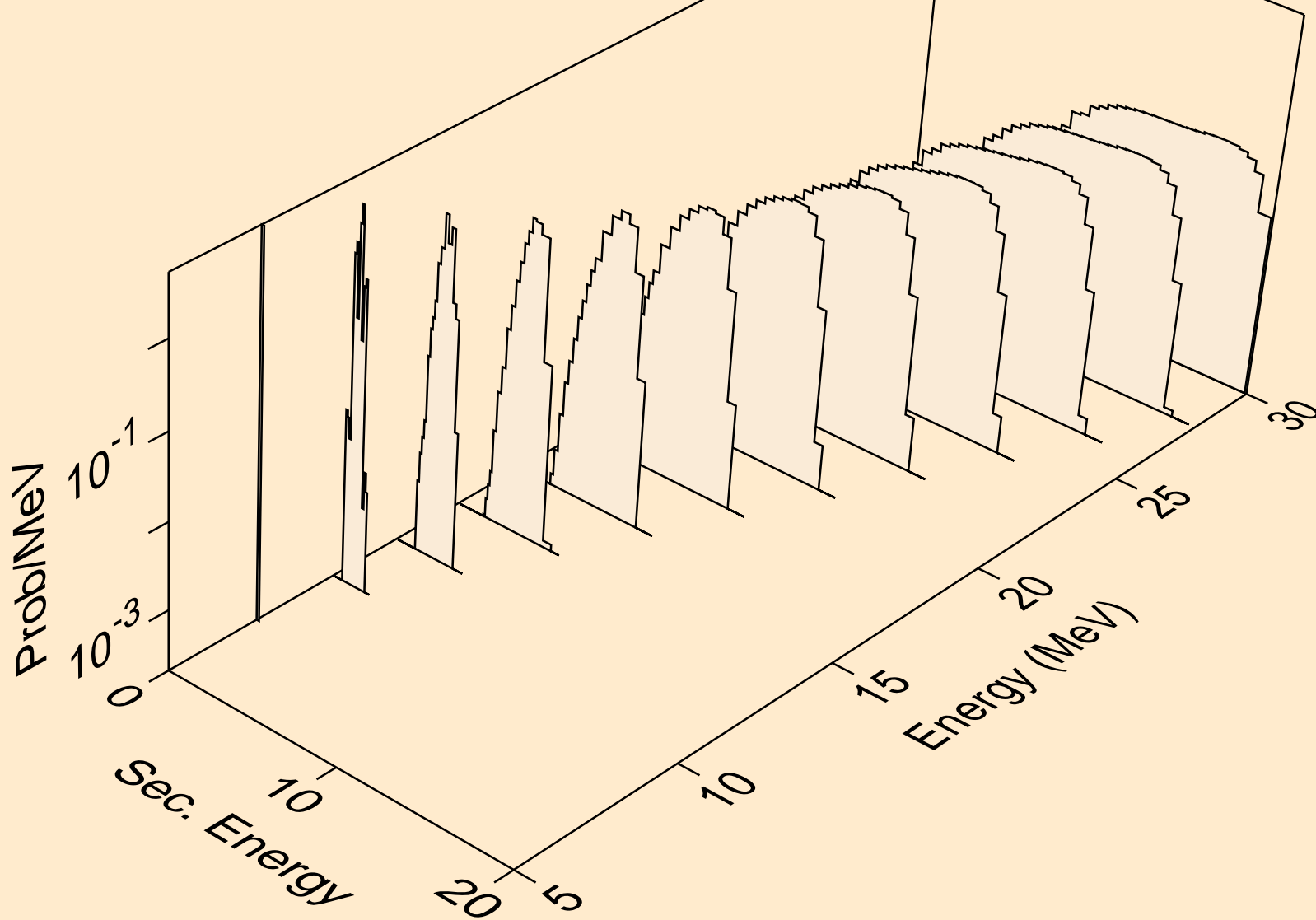
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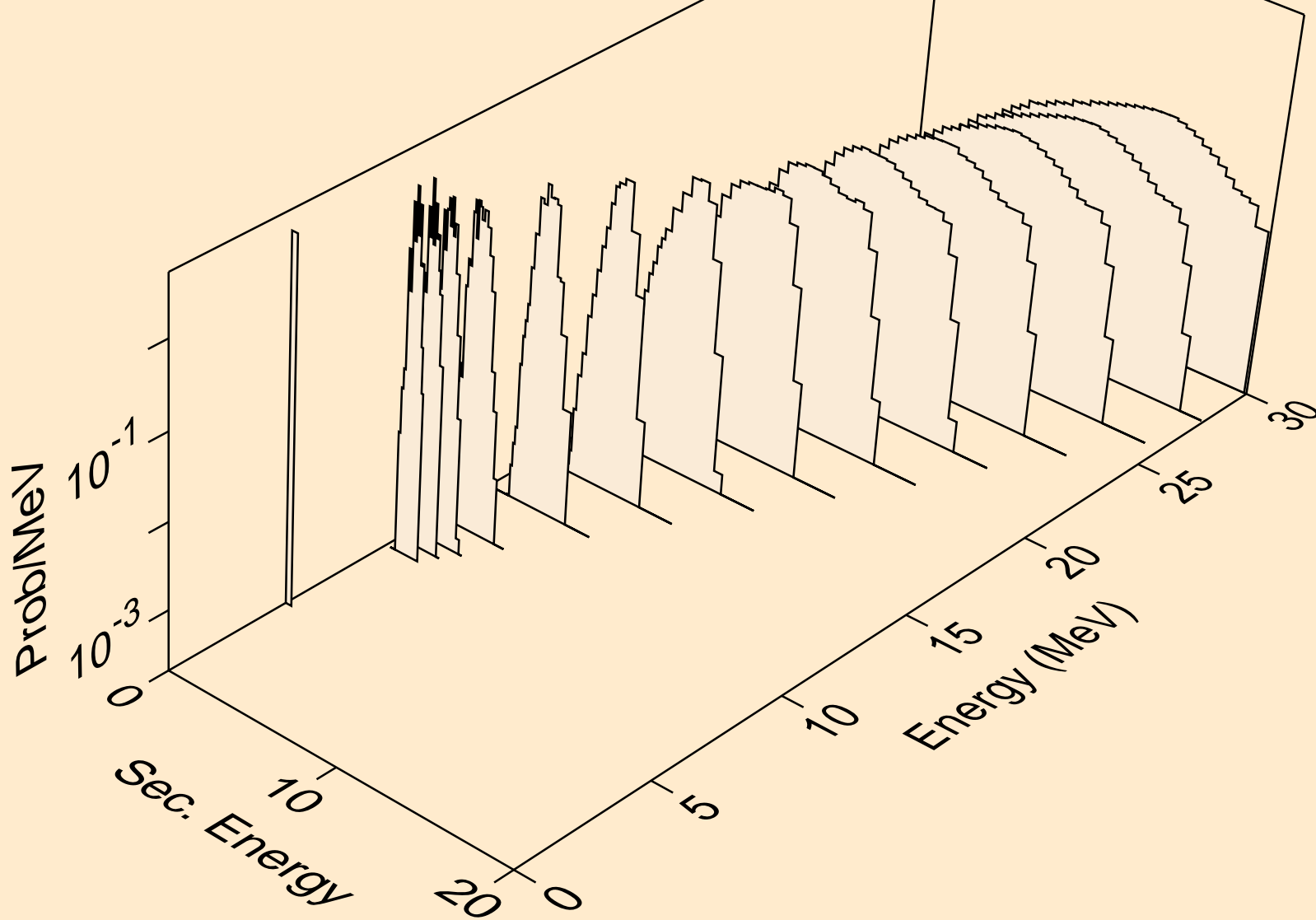
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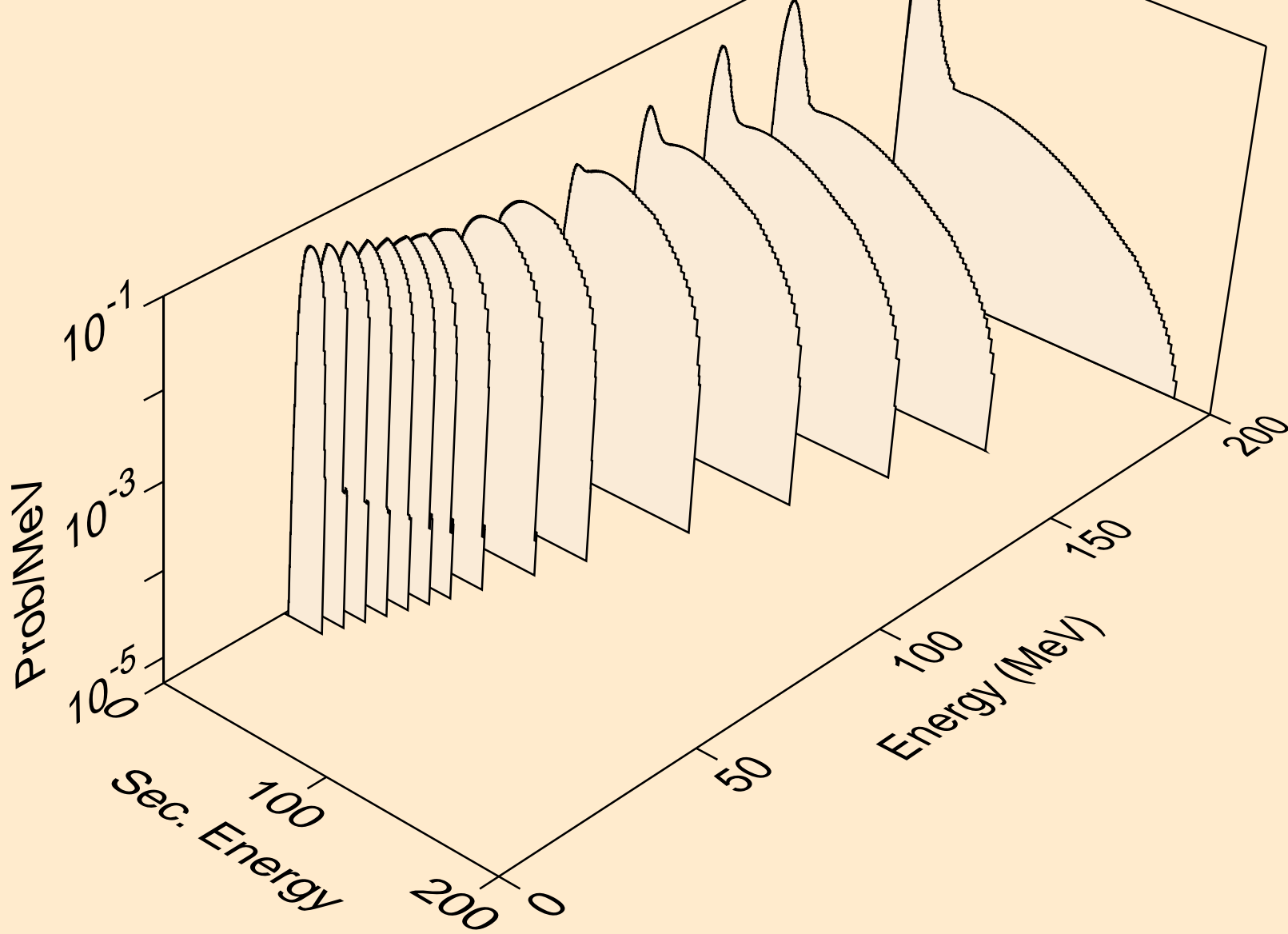
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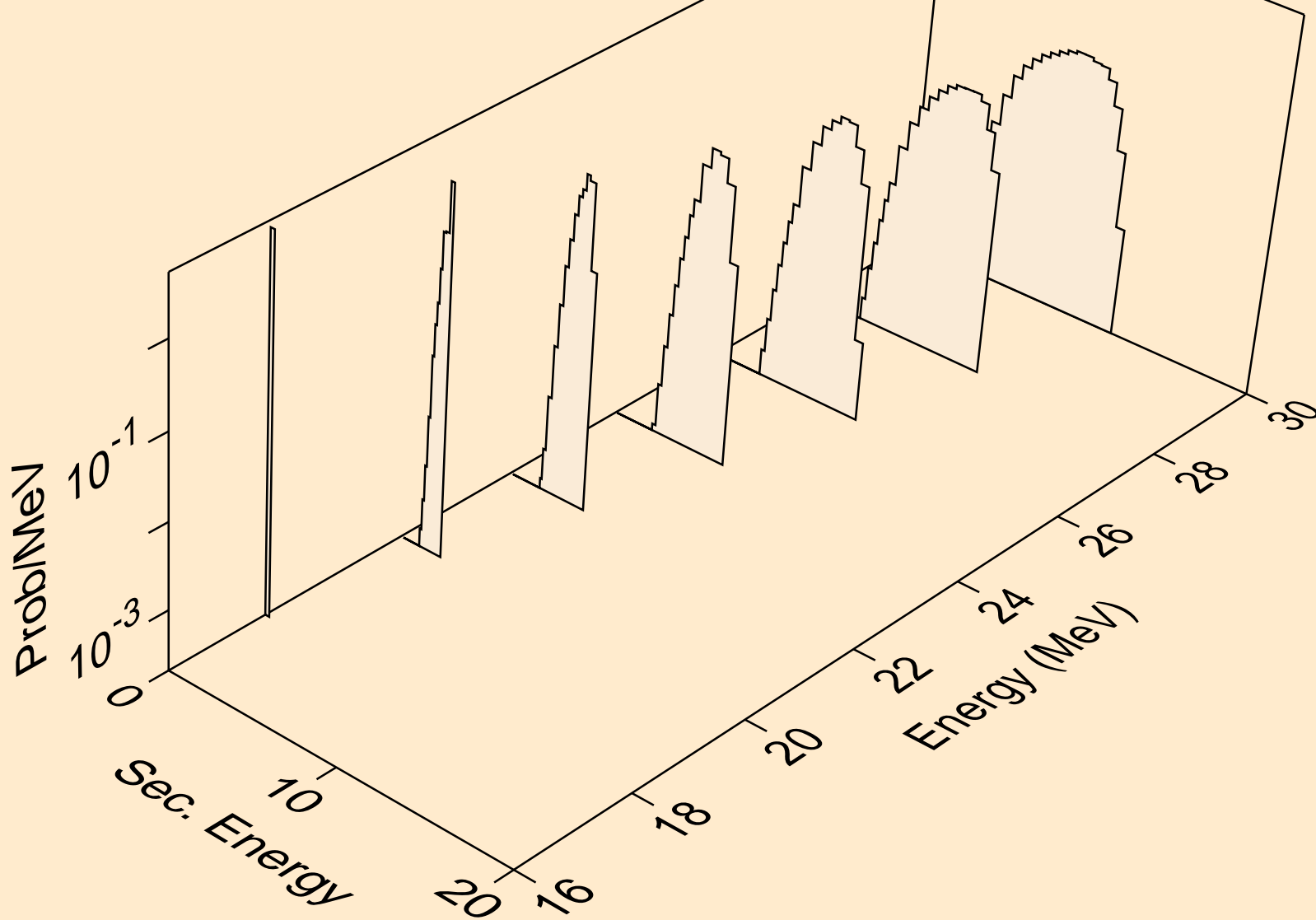
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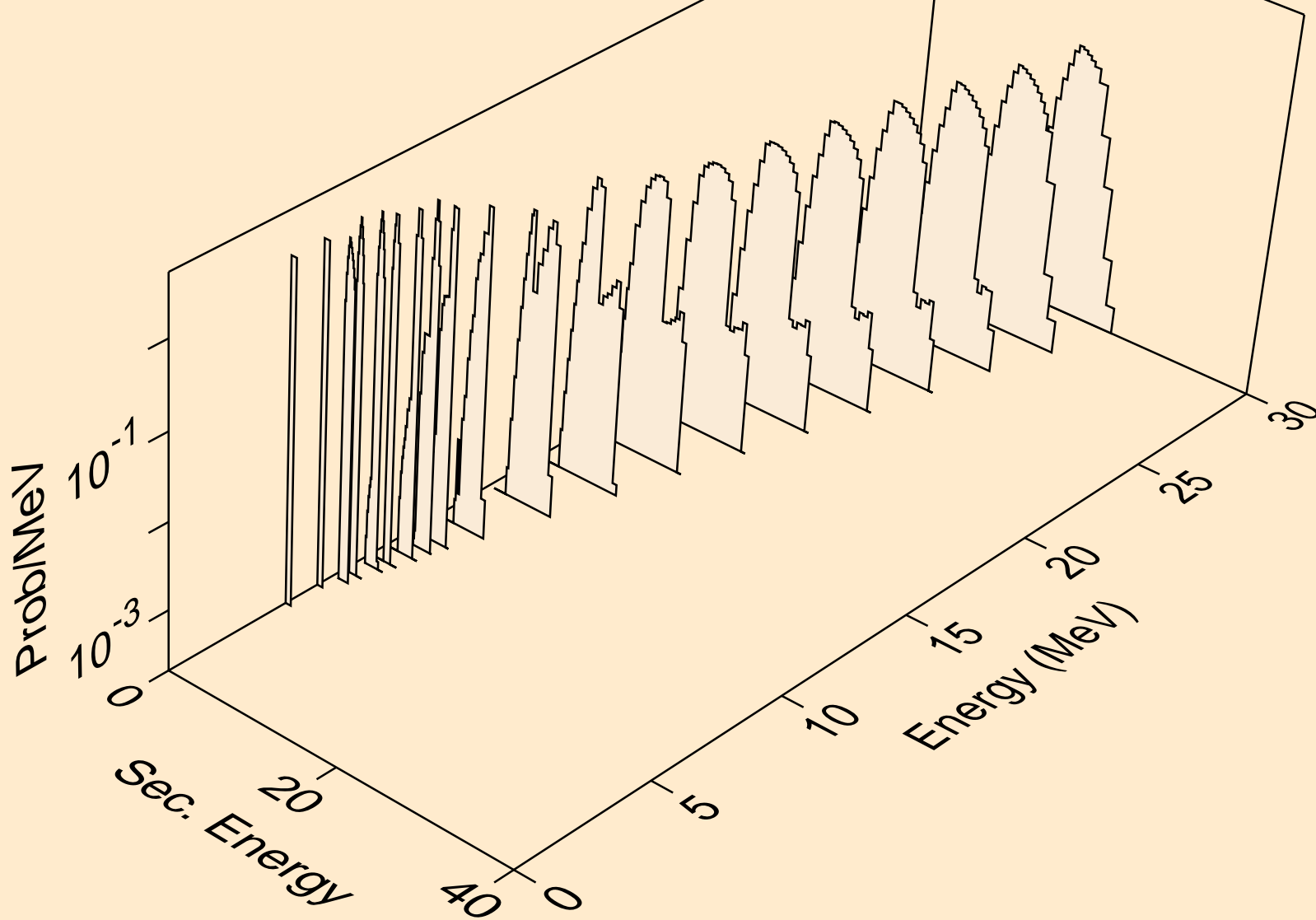
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tritons from (n,x)



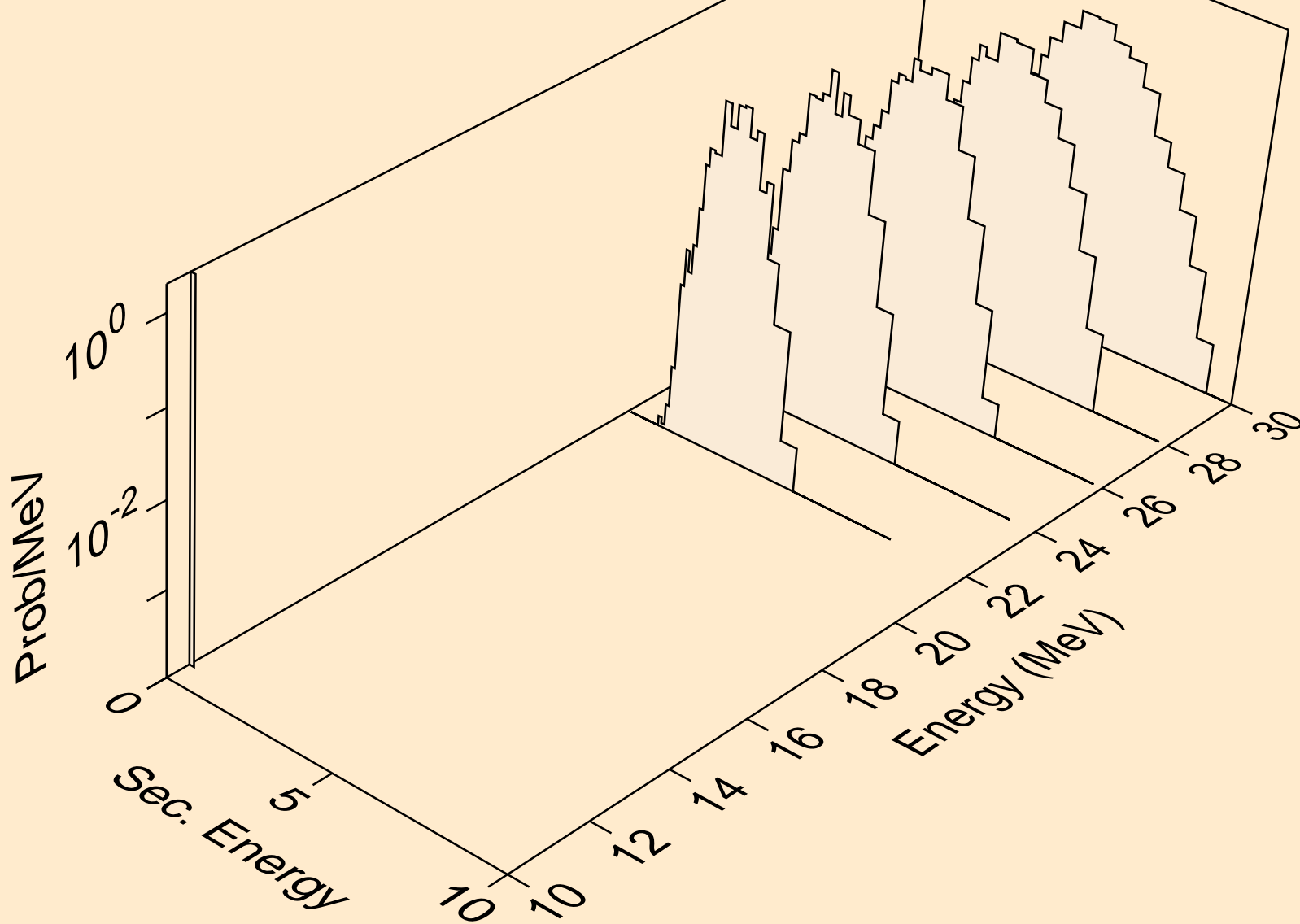
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

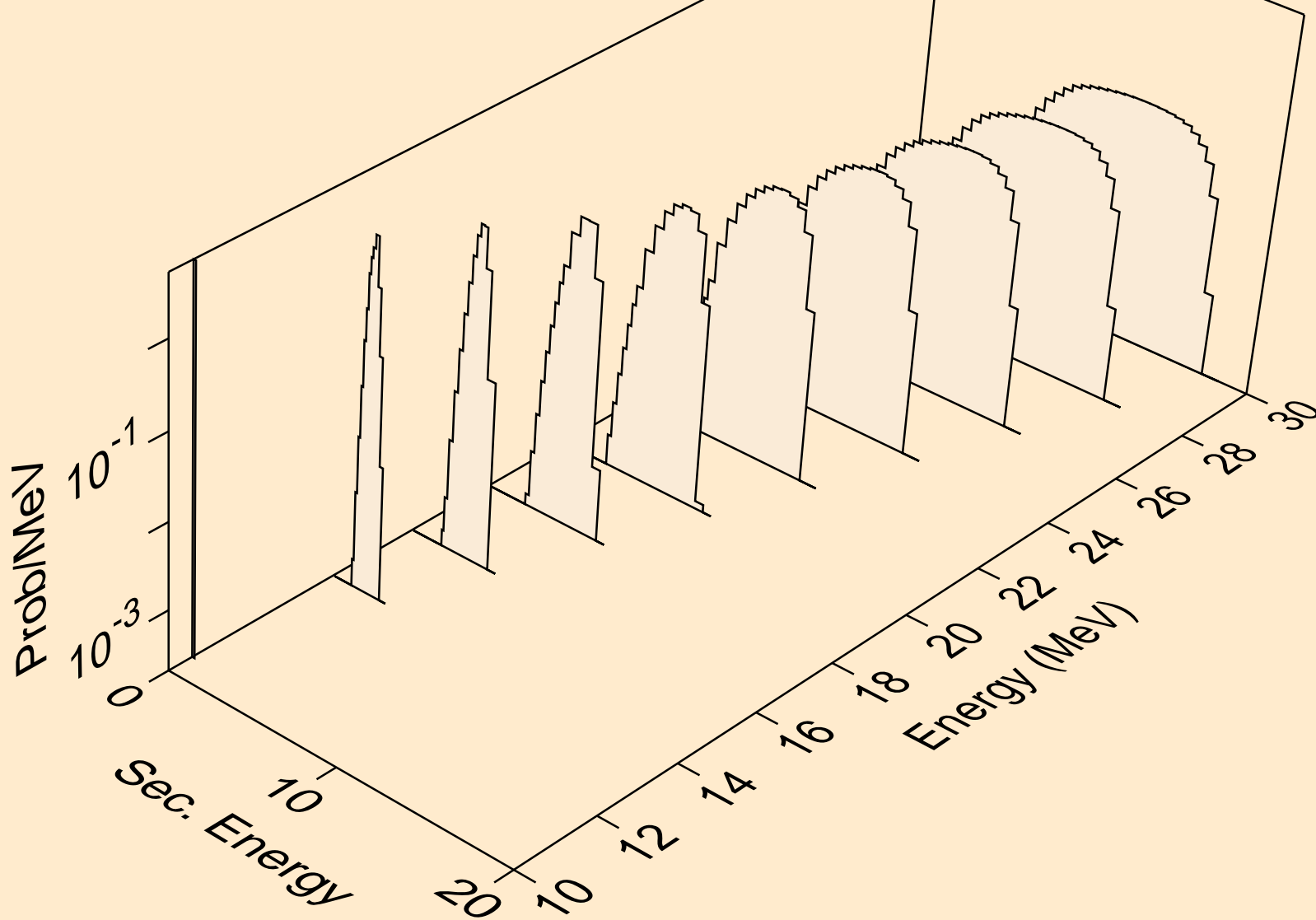


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t2a)

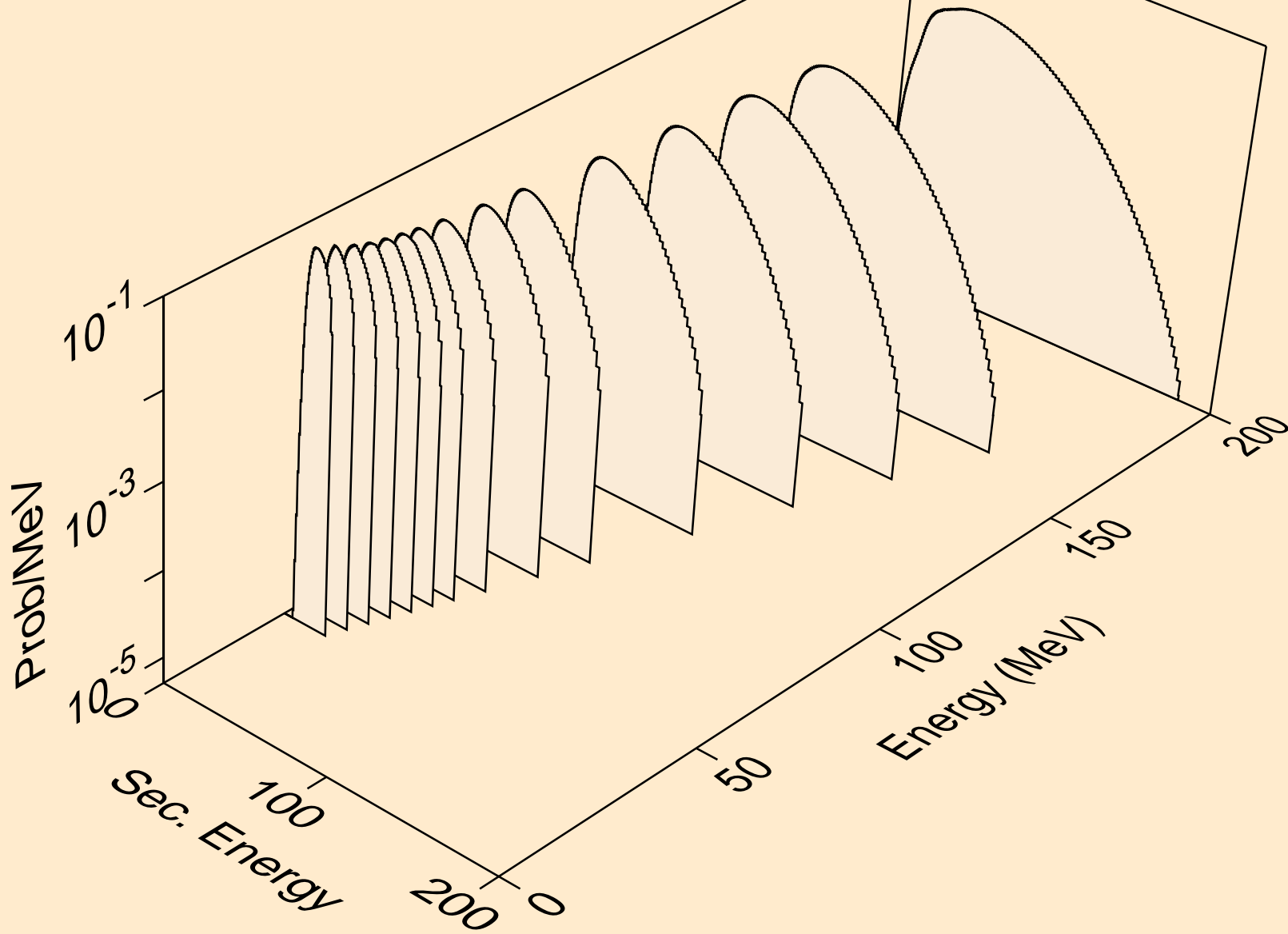




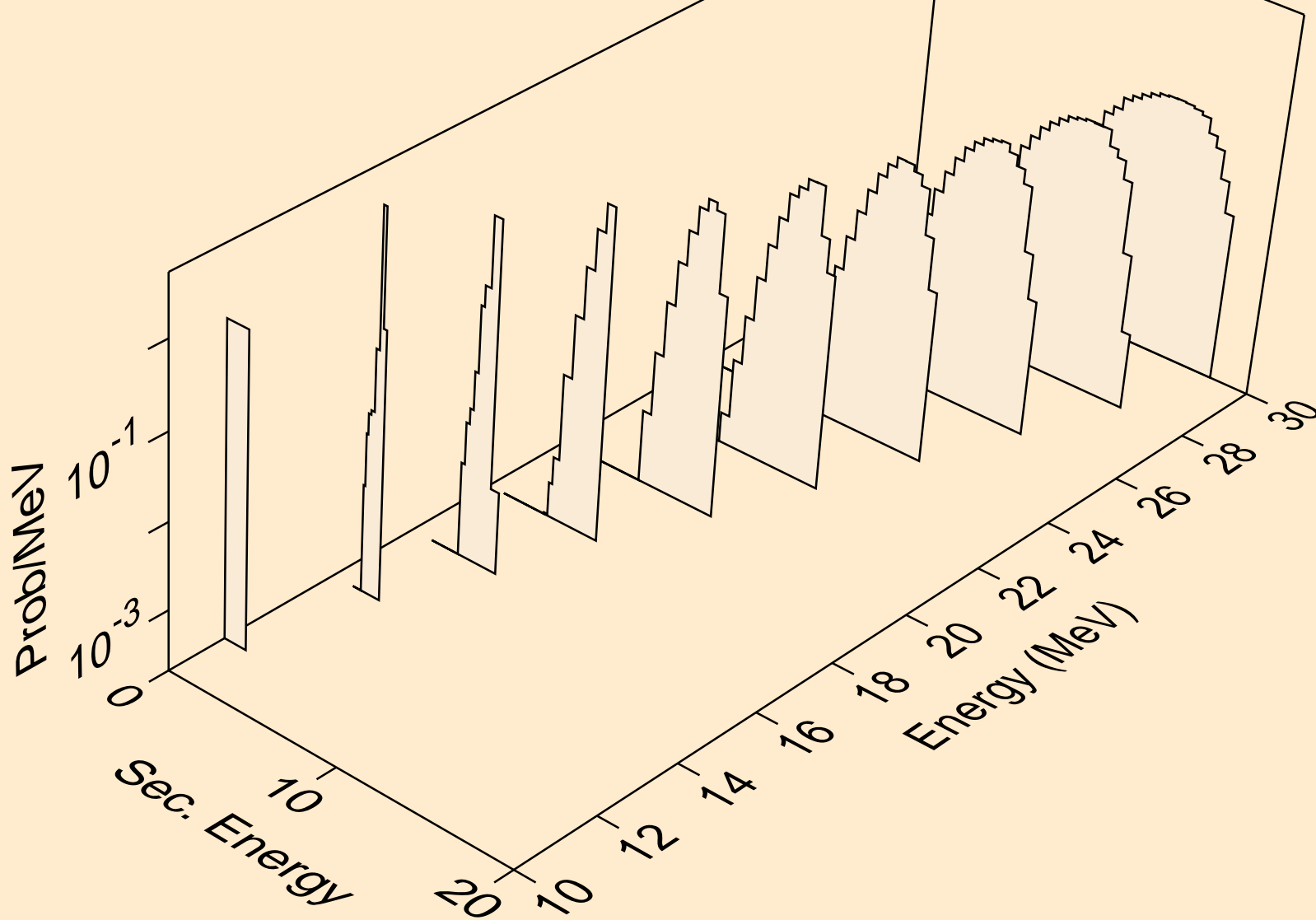
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tritons from (n,pt)



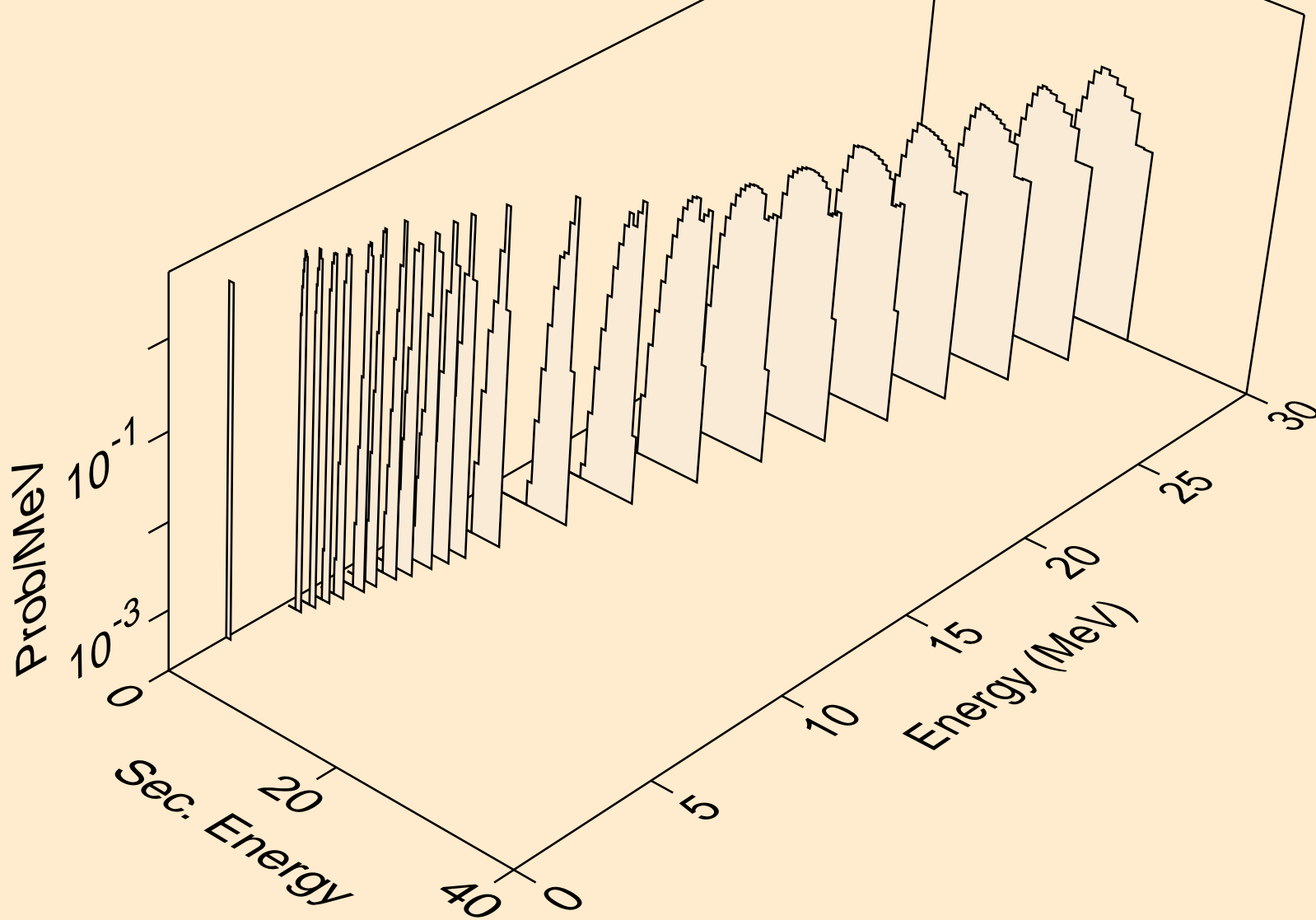
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he3s from (n,x)



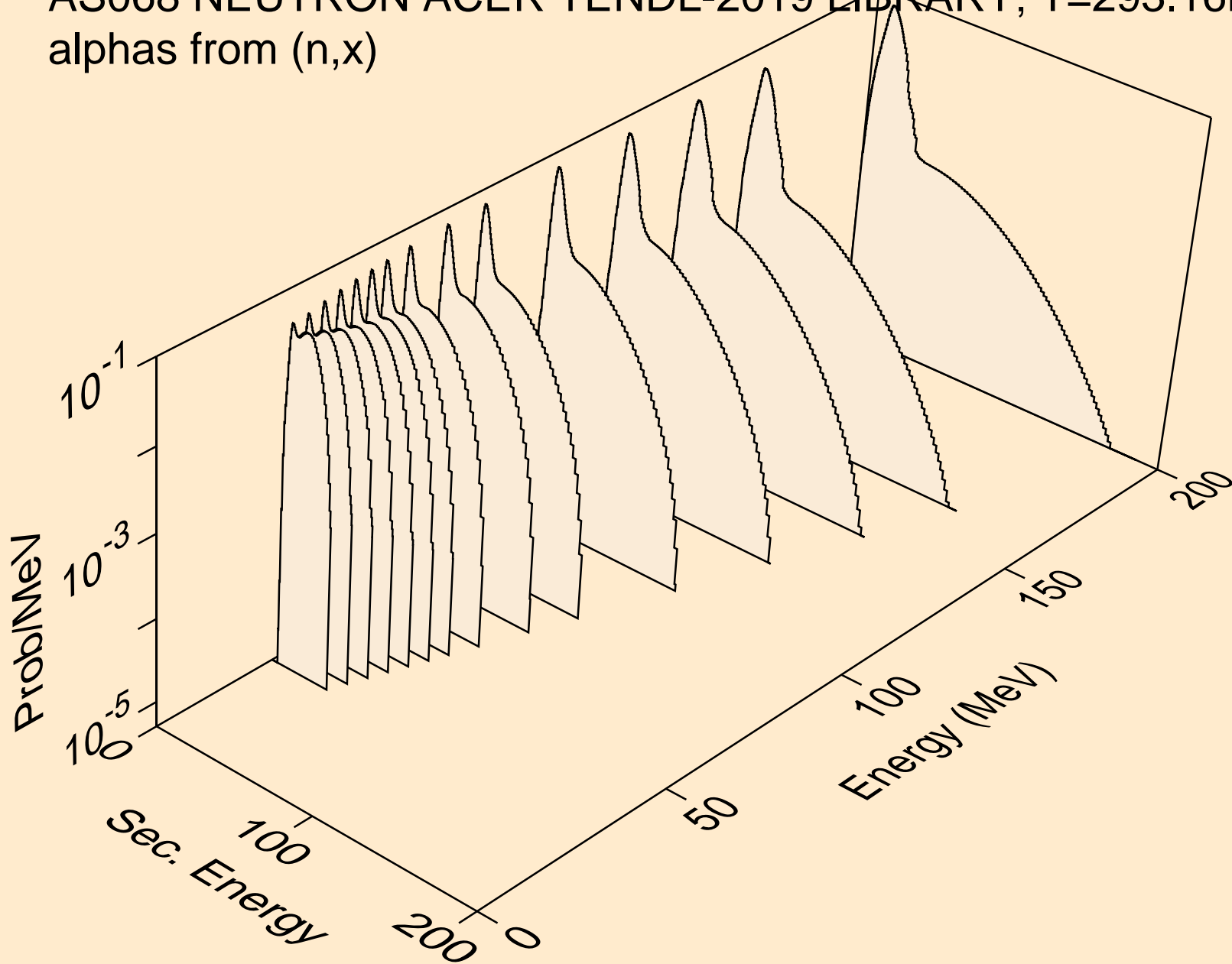
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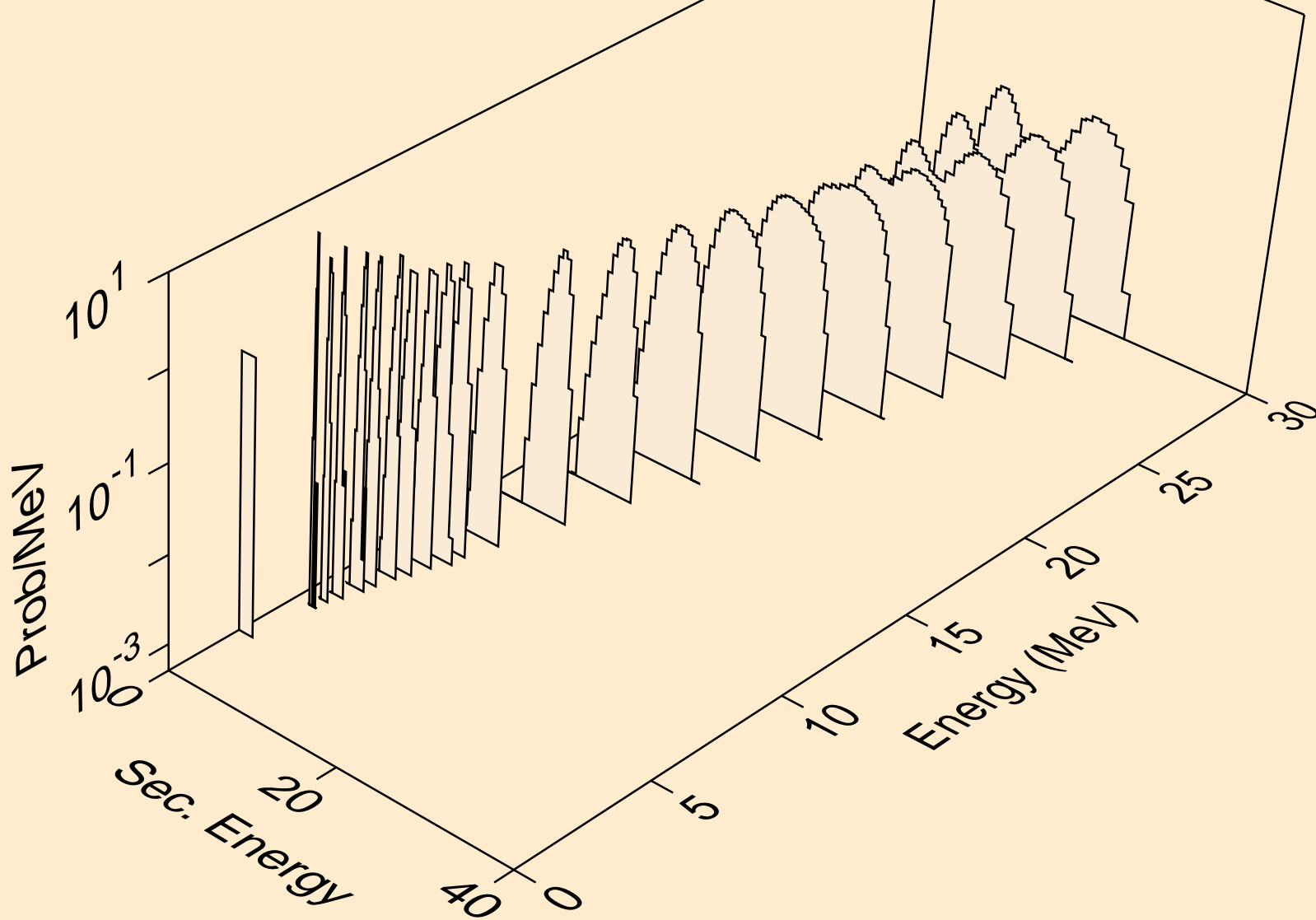
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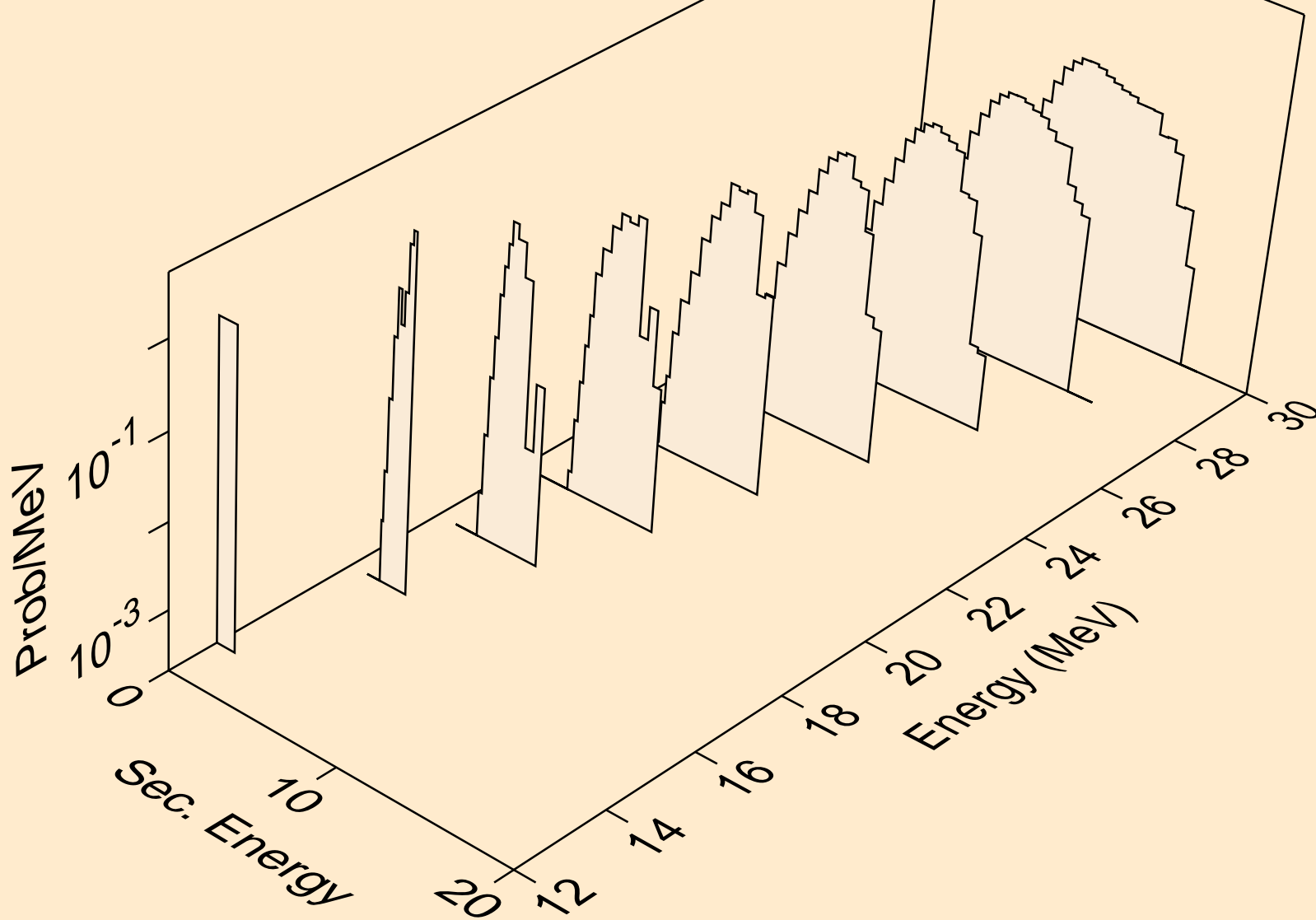
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alphas from (n,x)



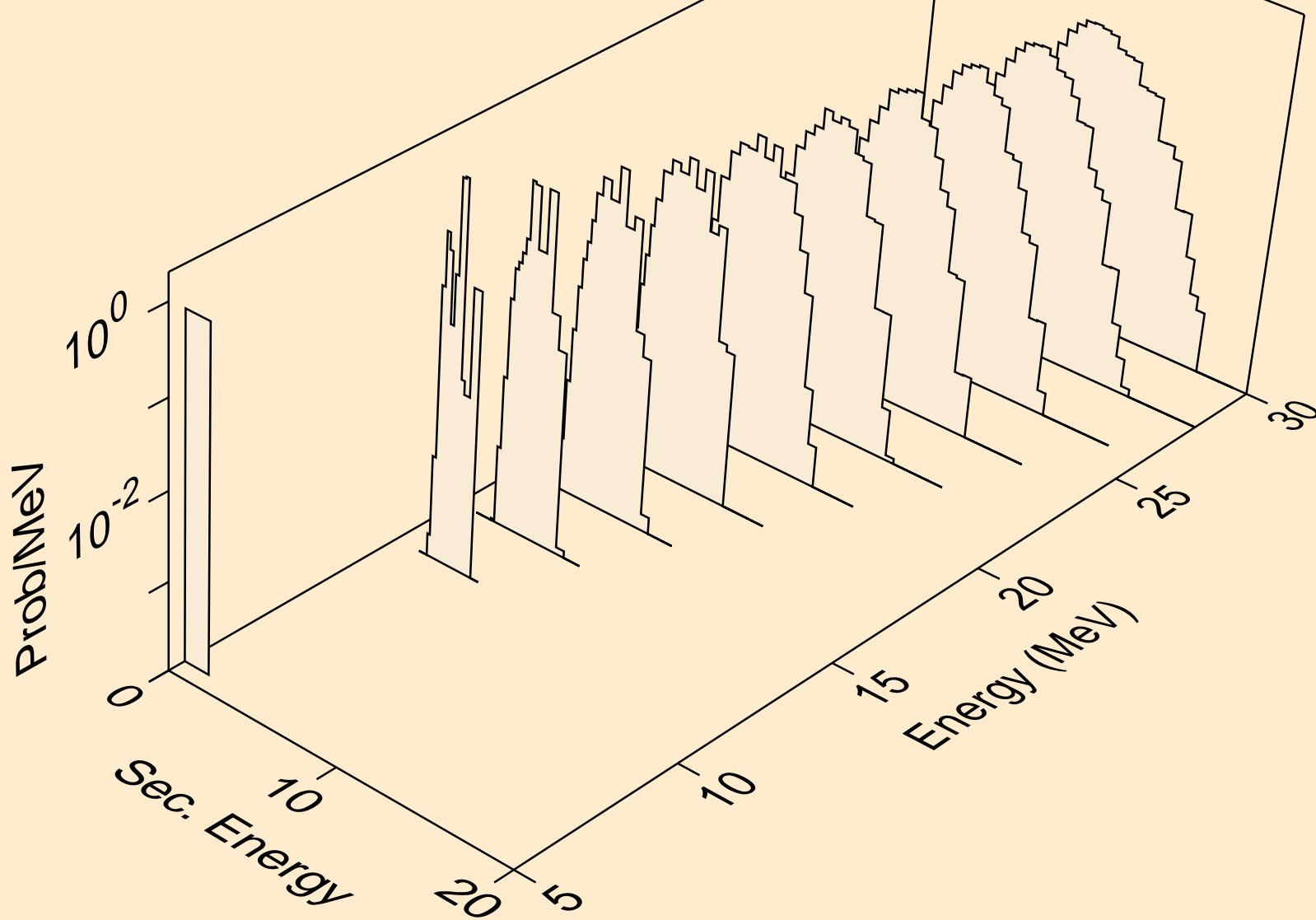
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alphas from (n,n\*)a



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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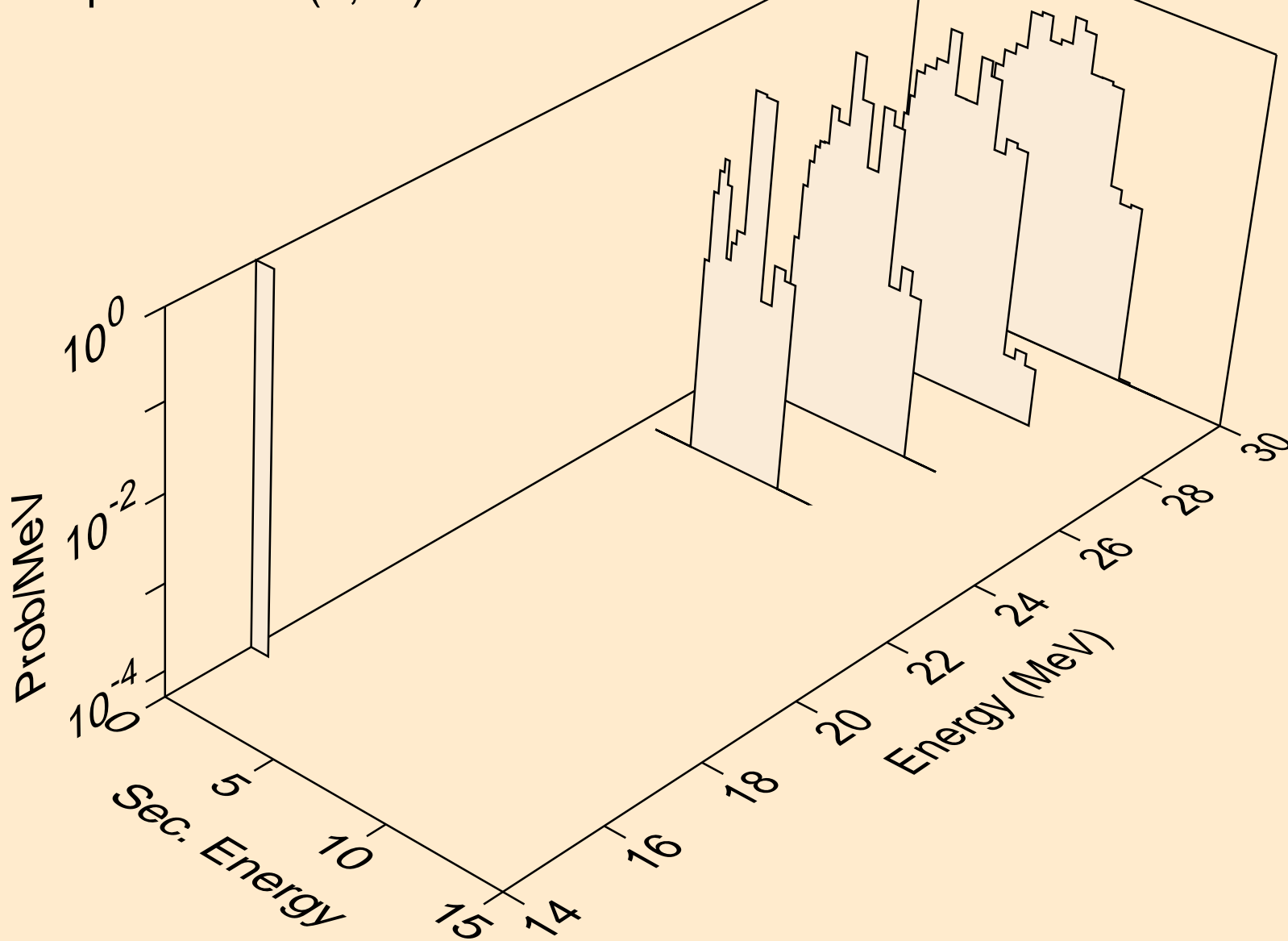


AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

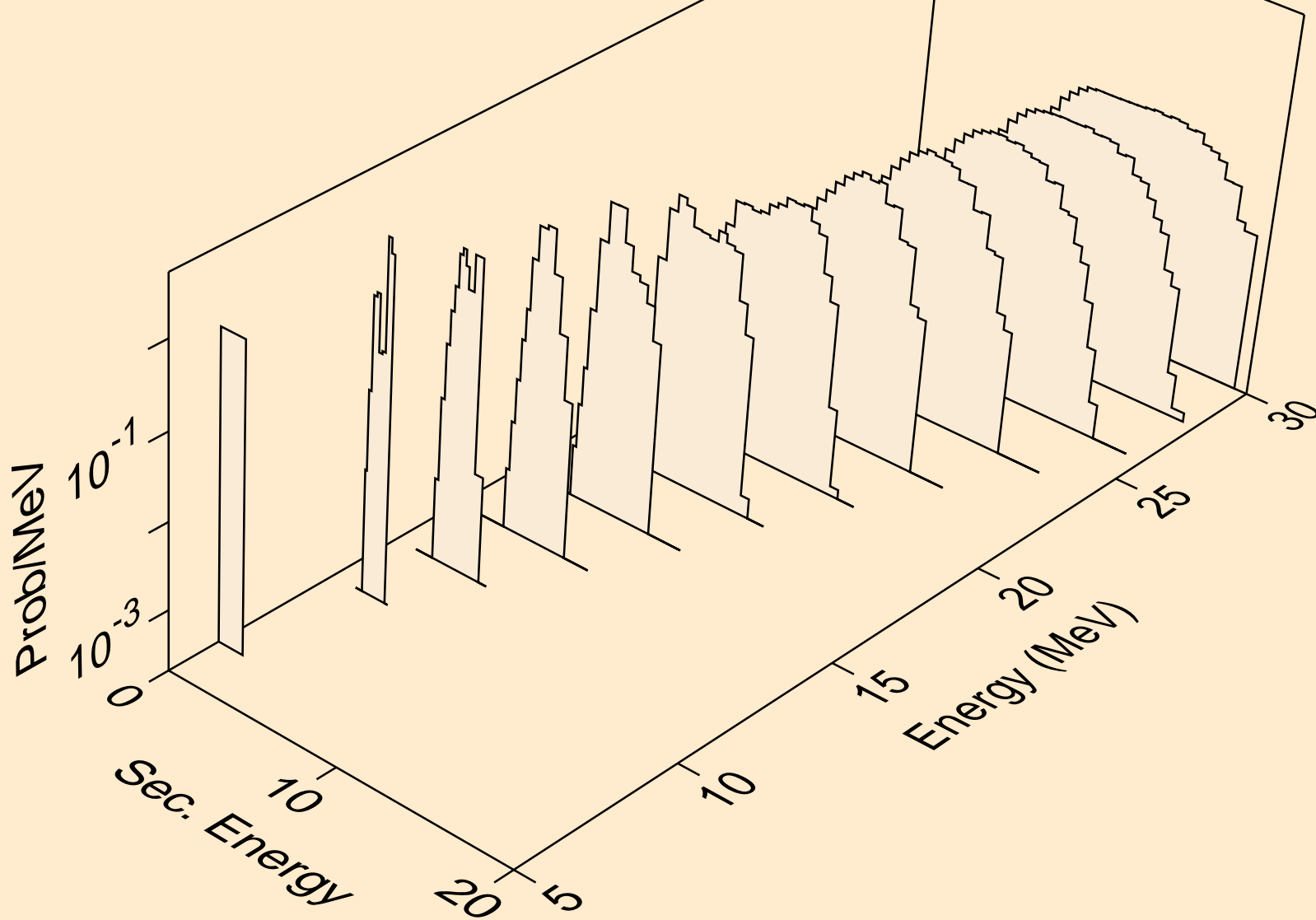




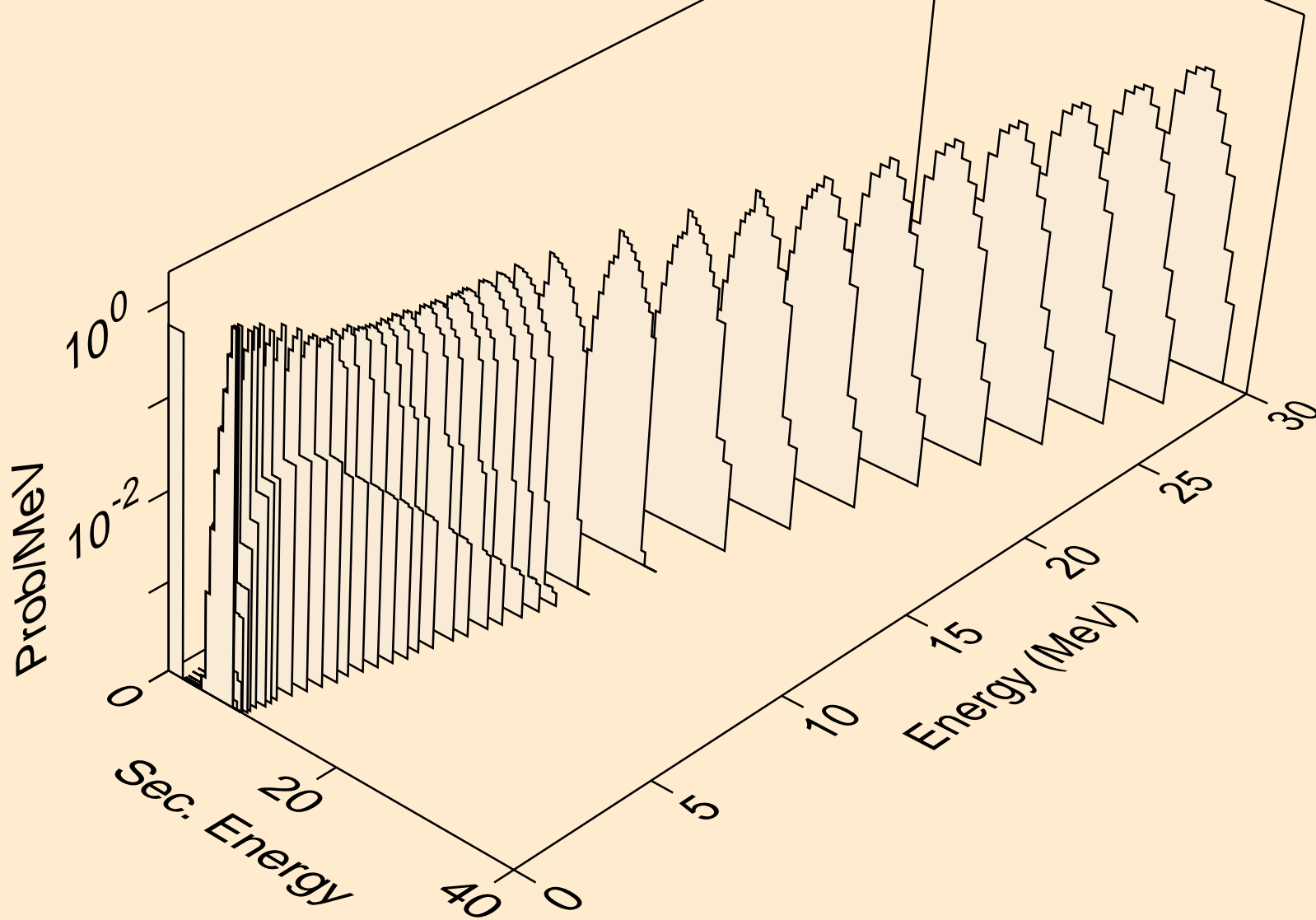
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alphas from (n,2n)2a



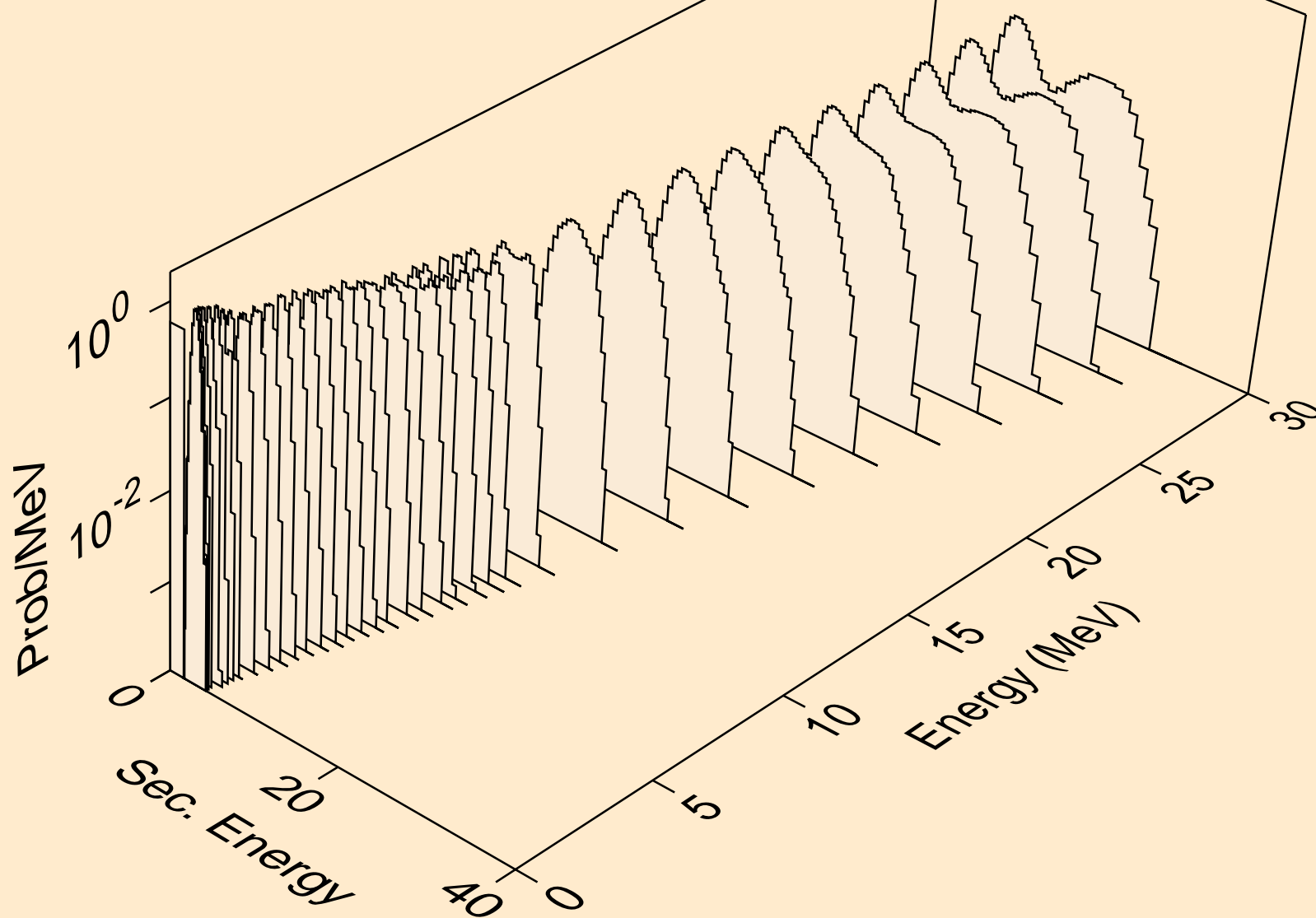
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alphas from (n,npa)



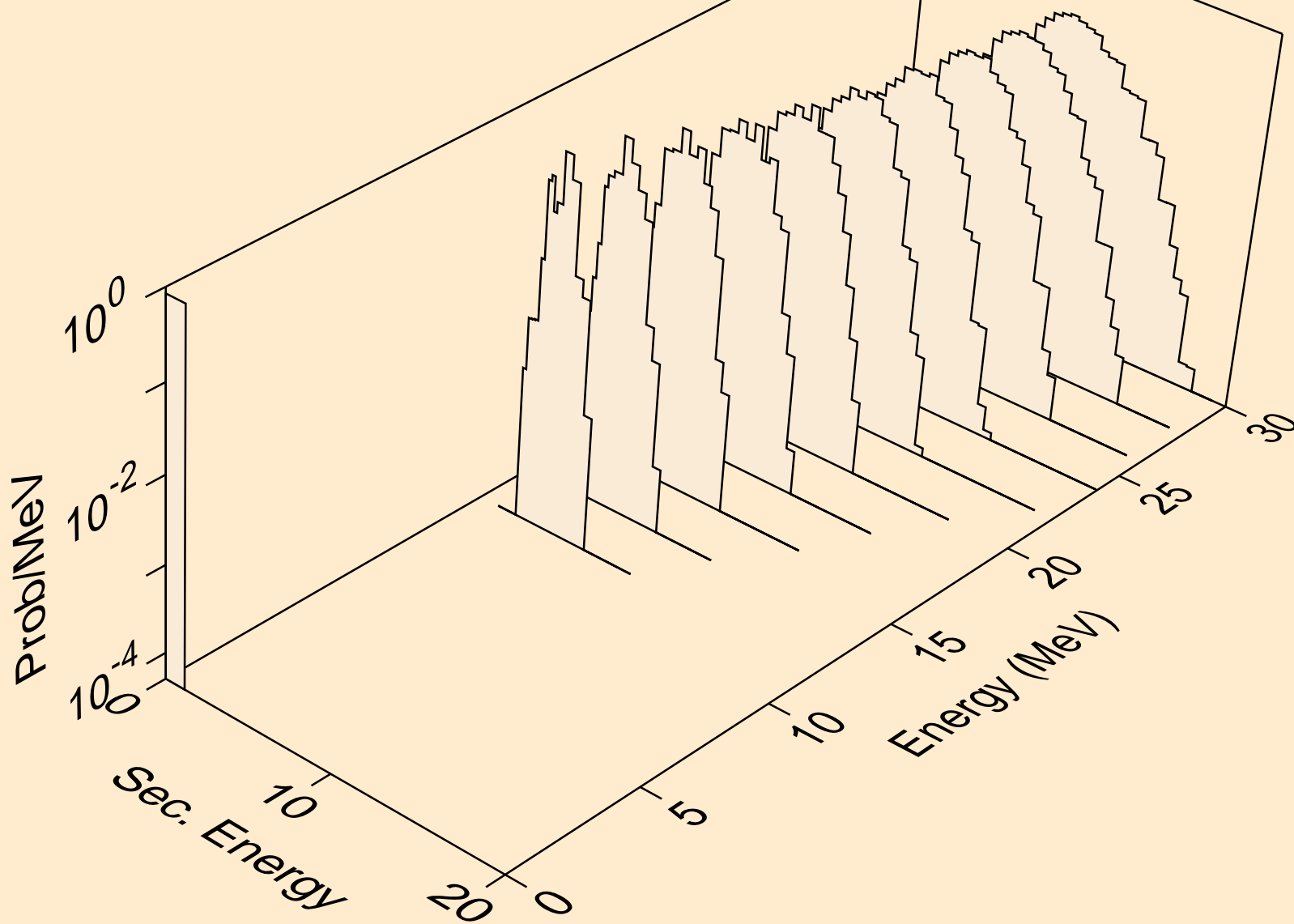
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alphas from (n,a)



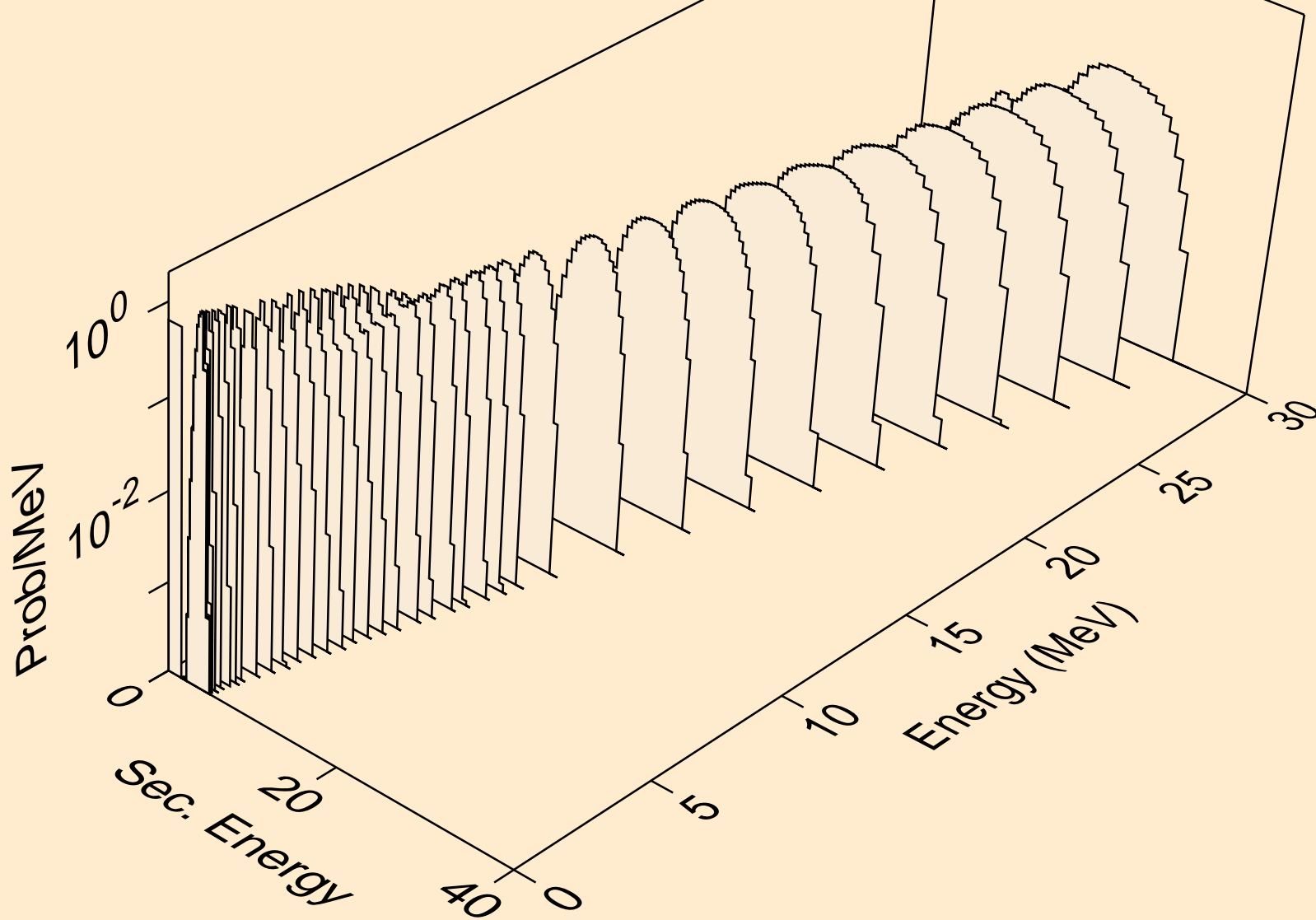
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alphas from (n,2a)



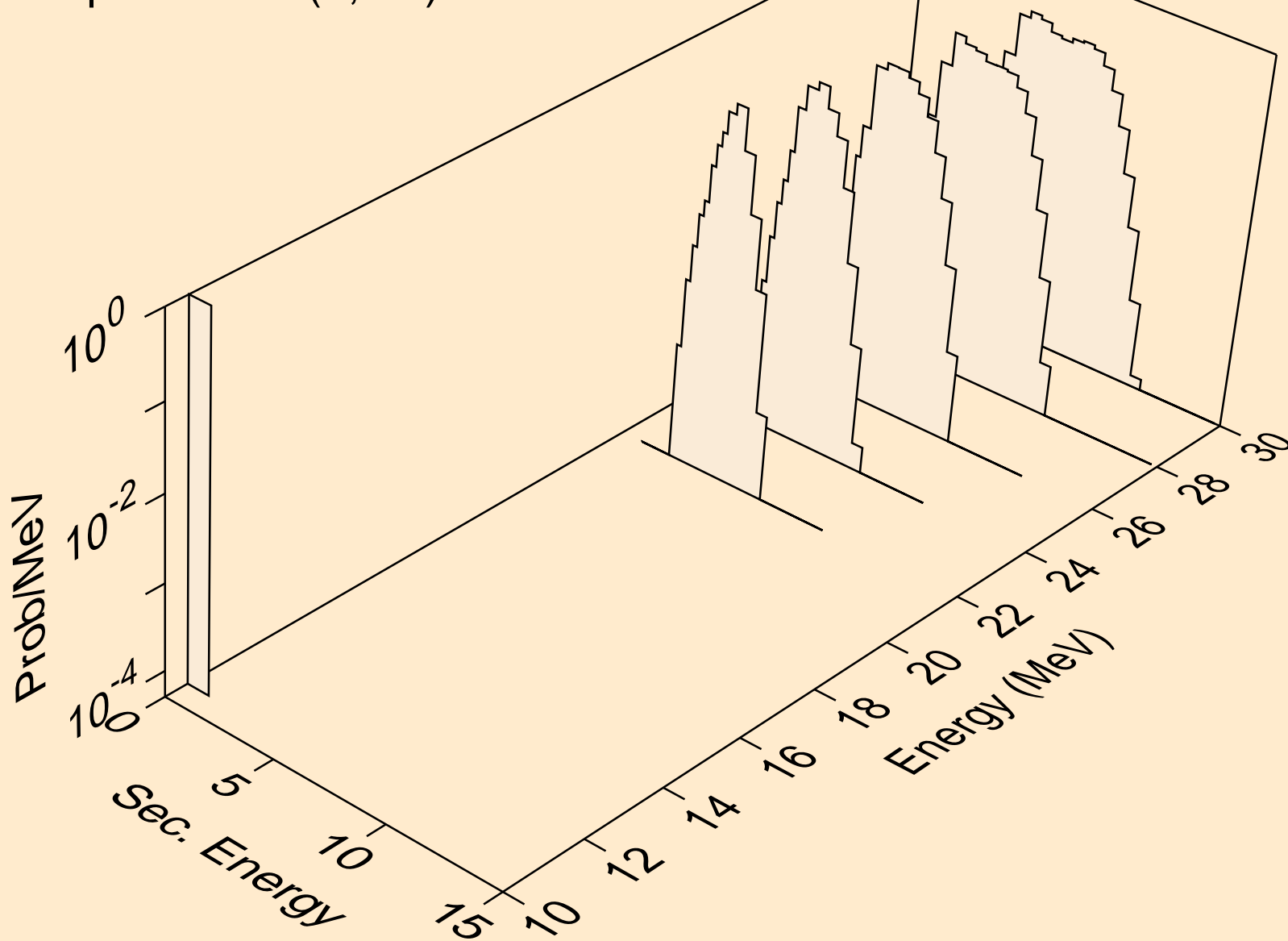
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alphas from (n,3a)



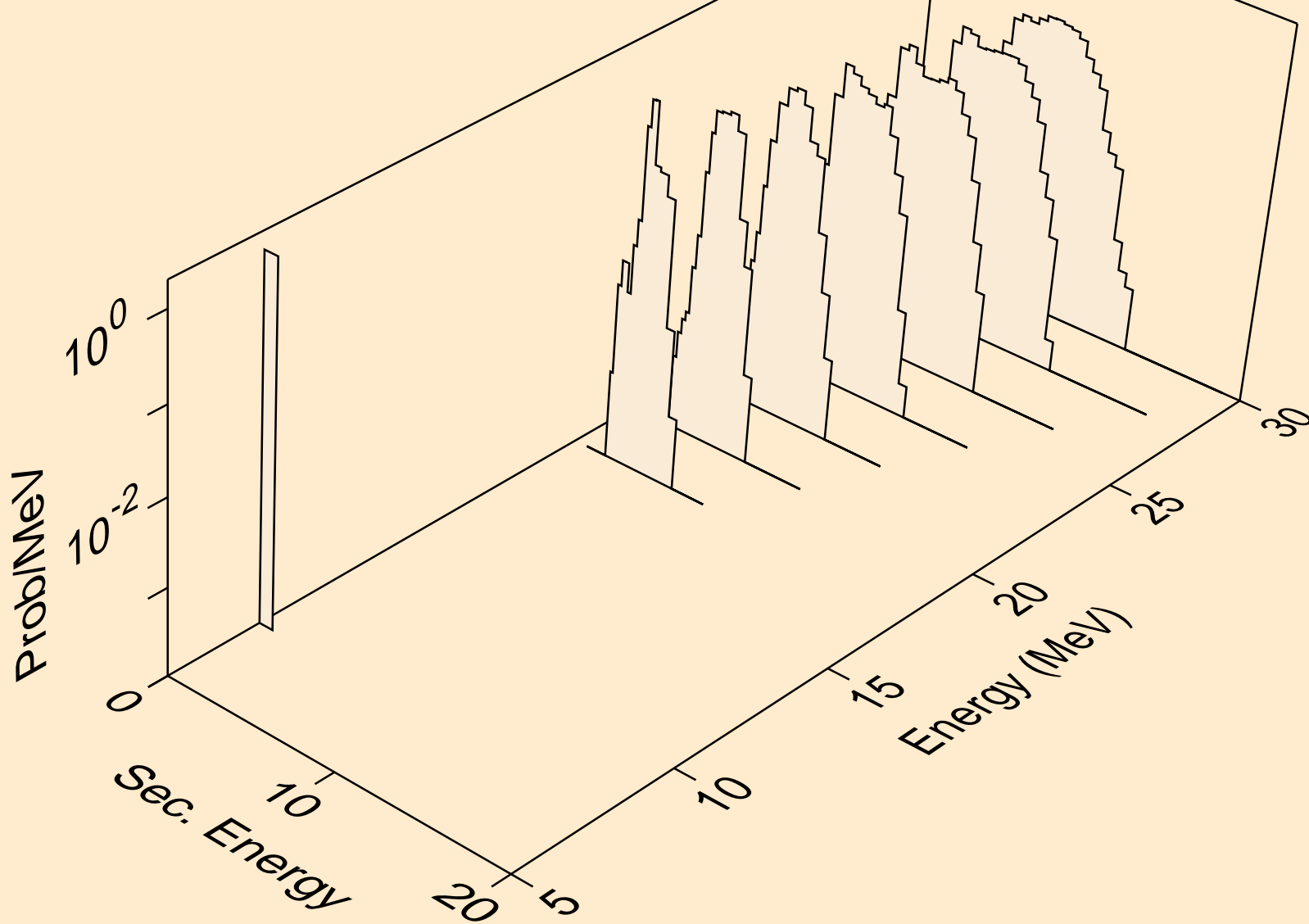
AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,t2a)



AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)





AS068 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

