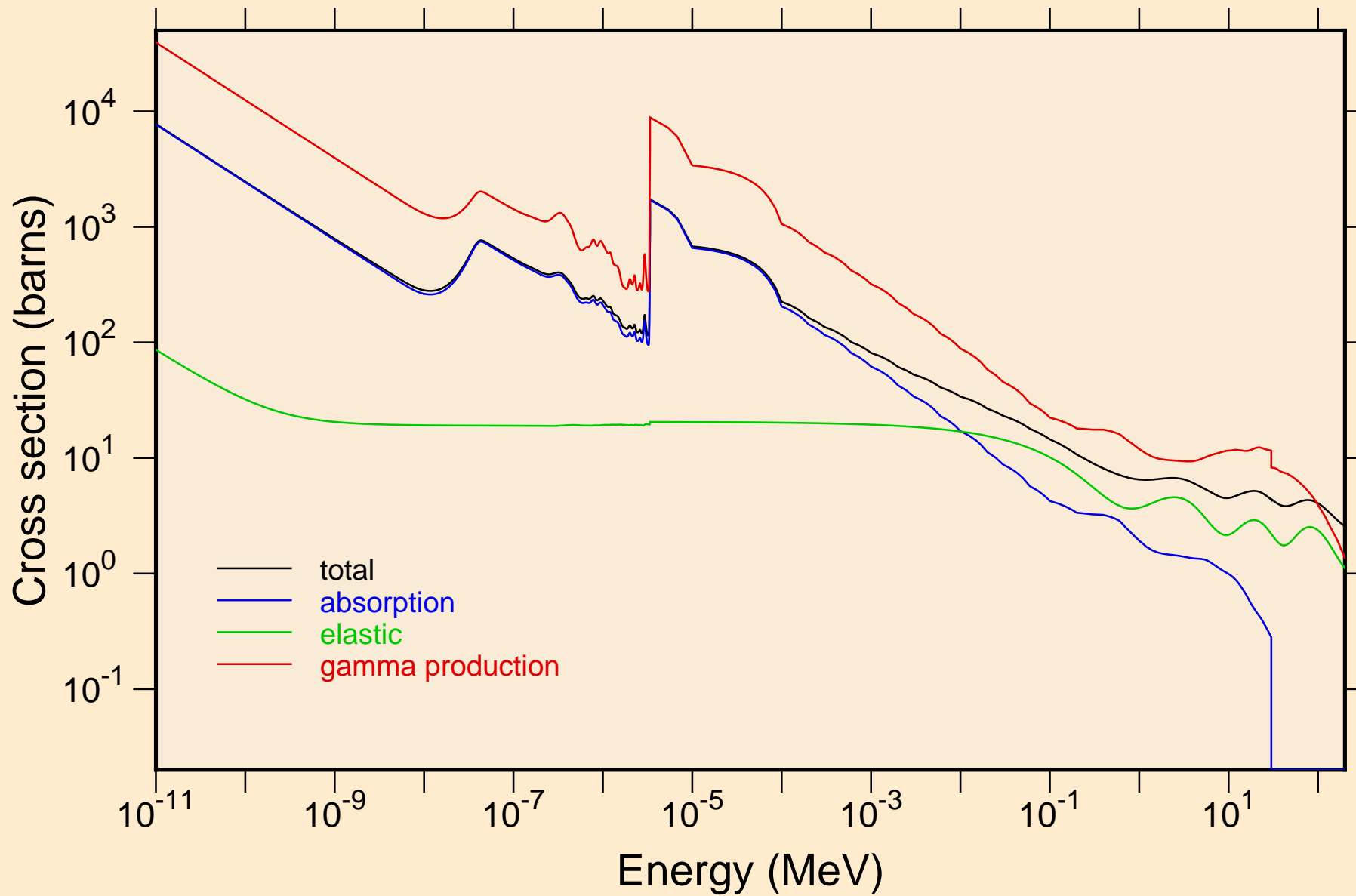
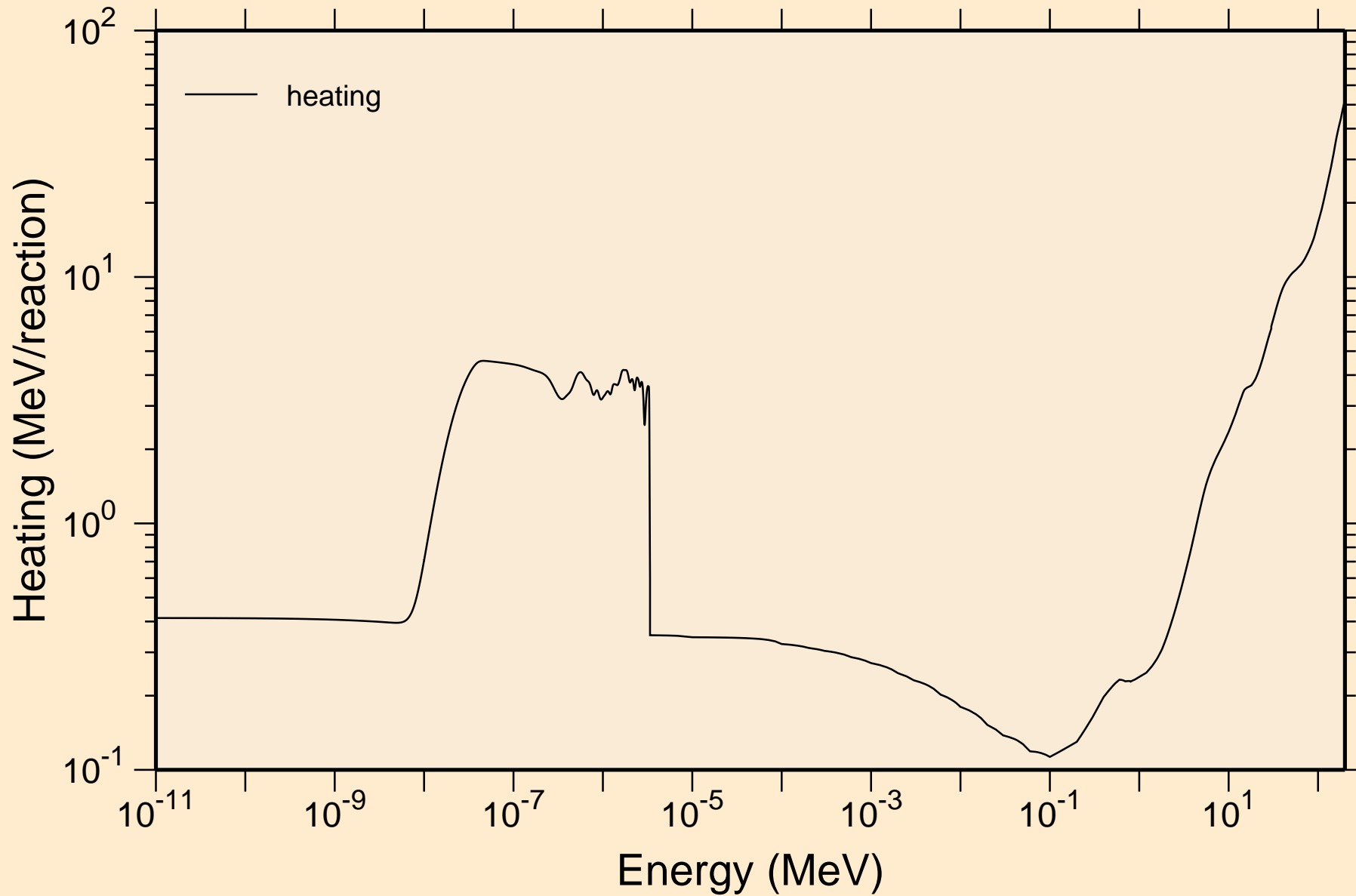


# W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

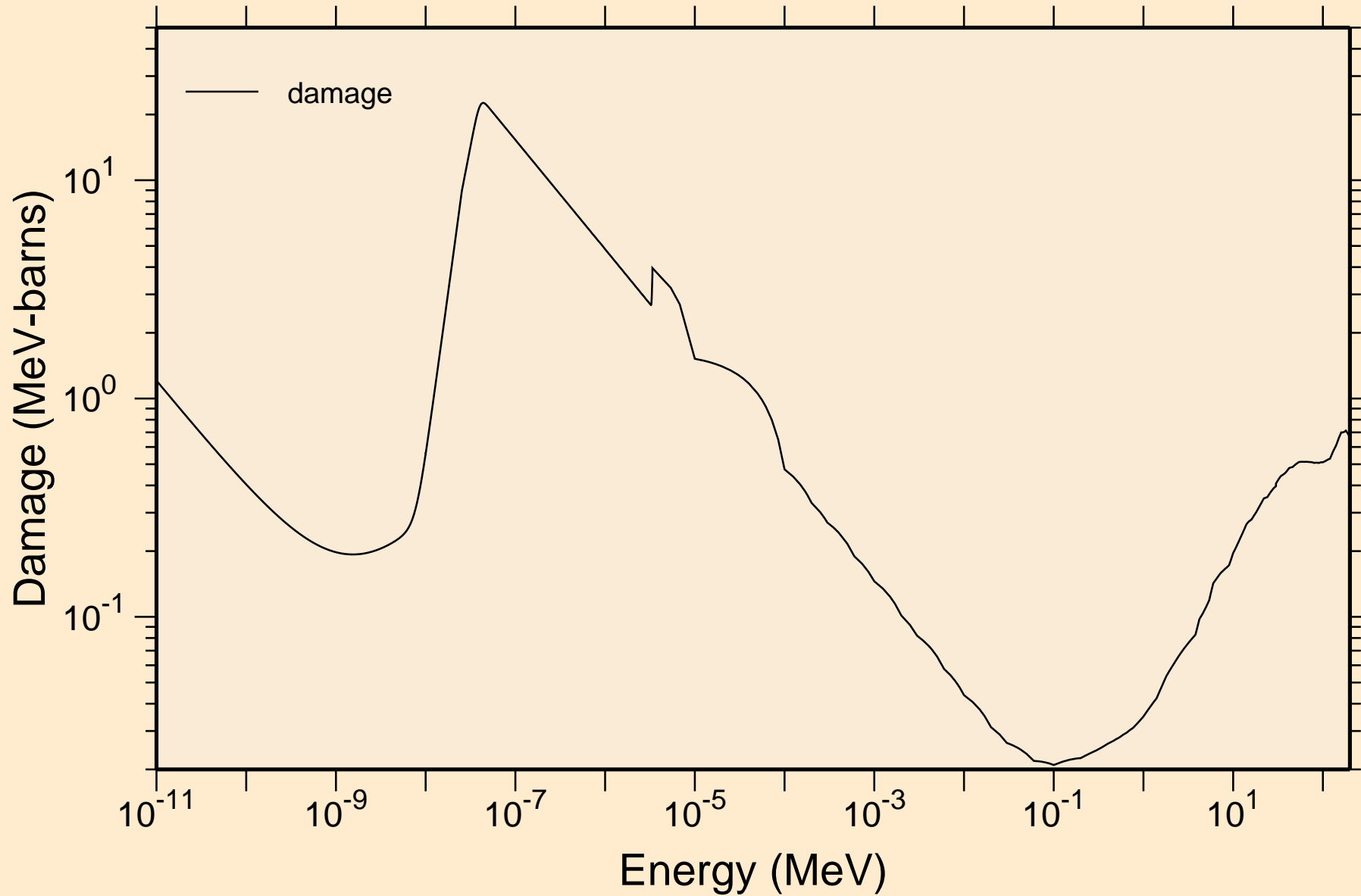
## Principal cross sections



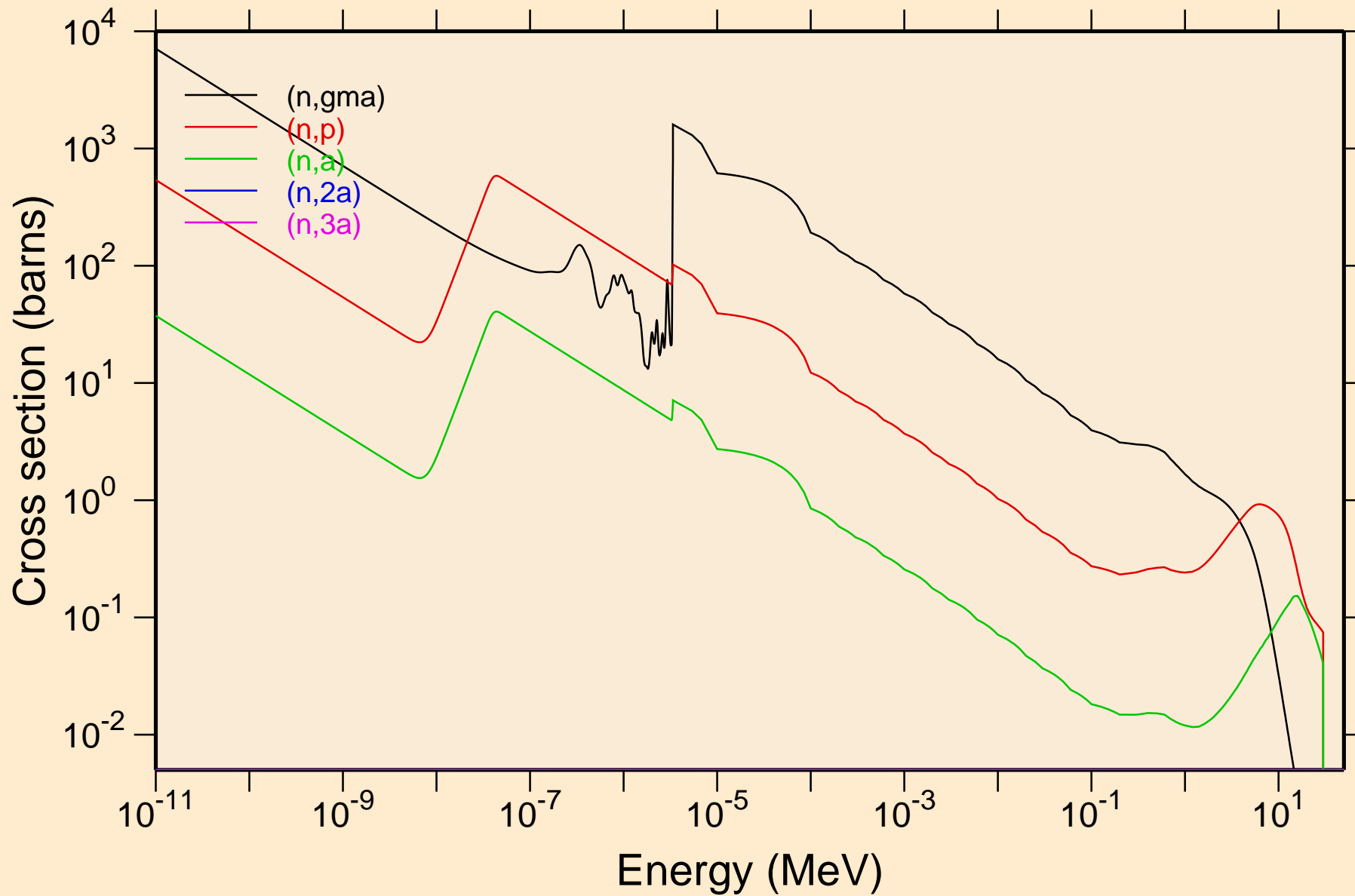
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



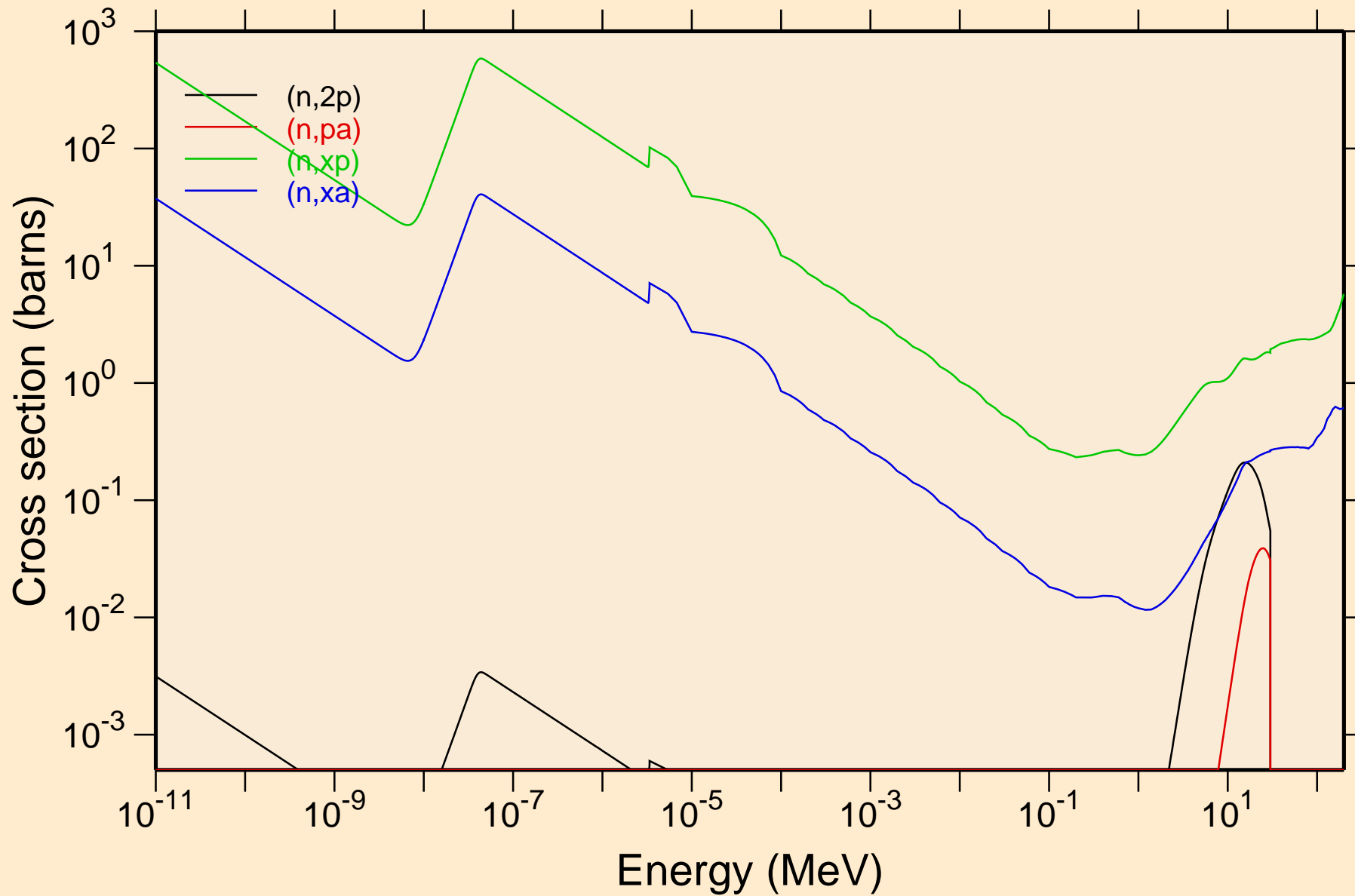
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



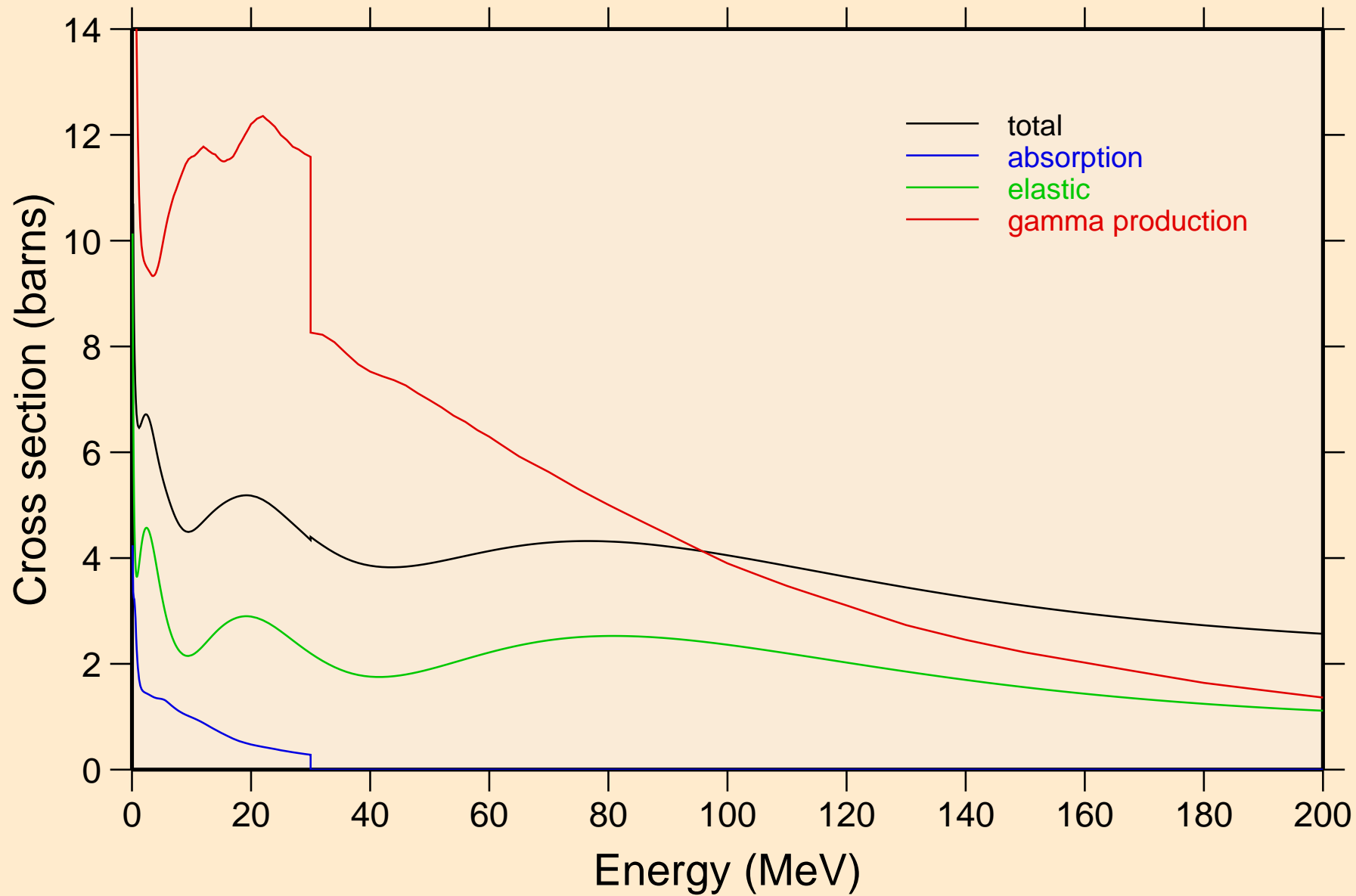
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

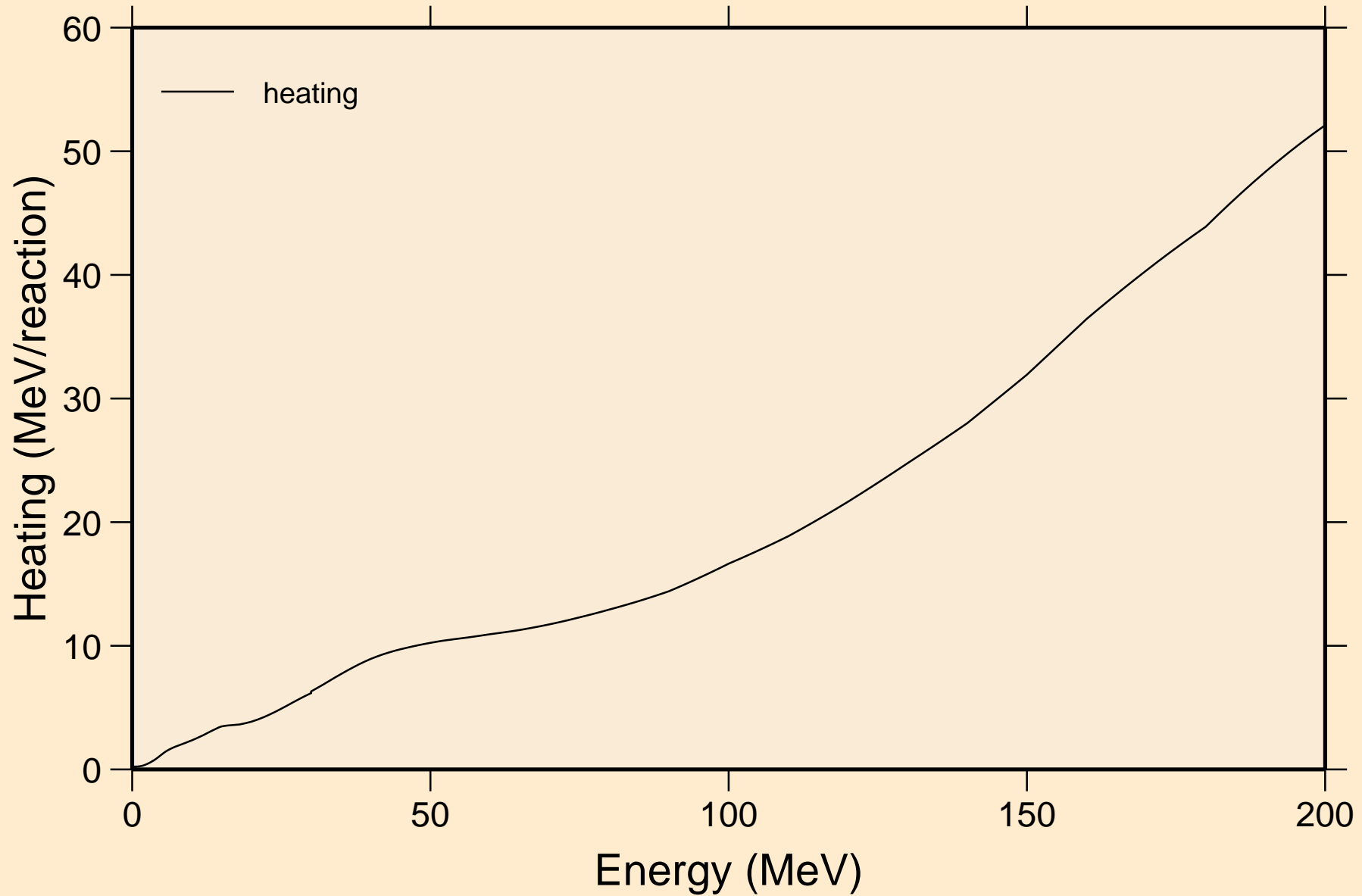


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

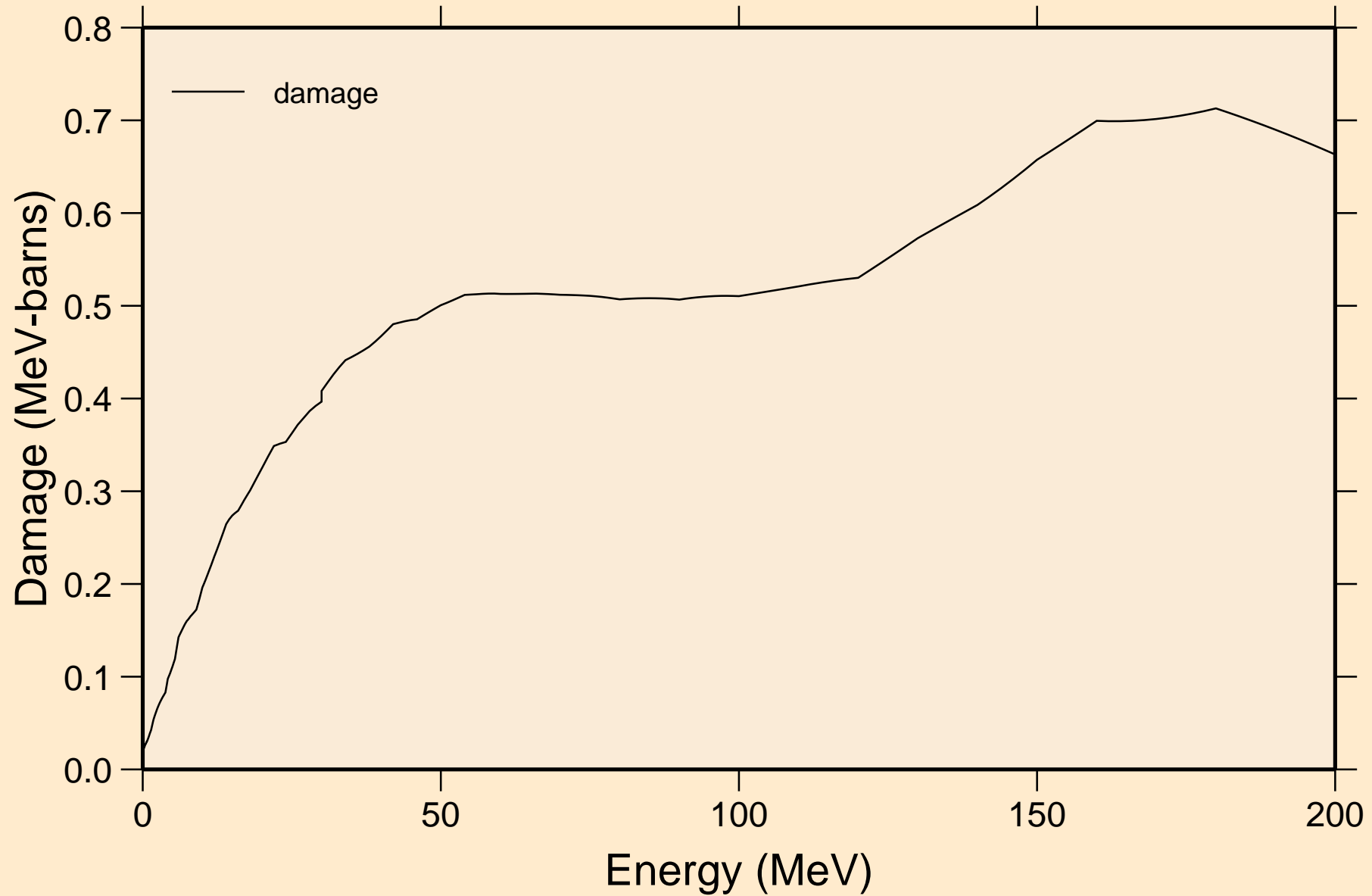


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Heating

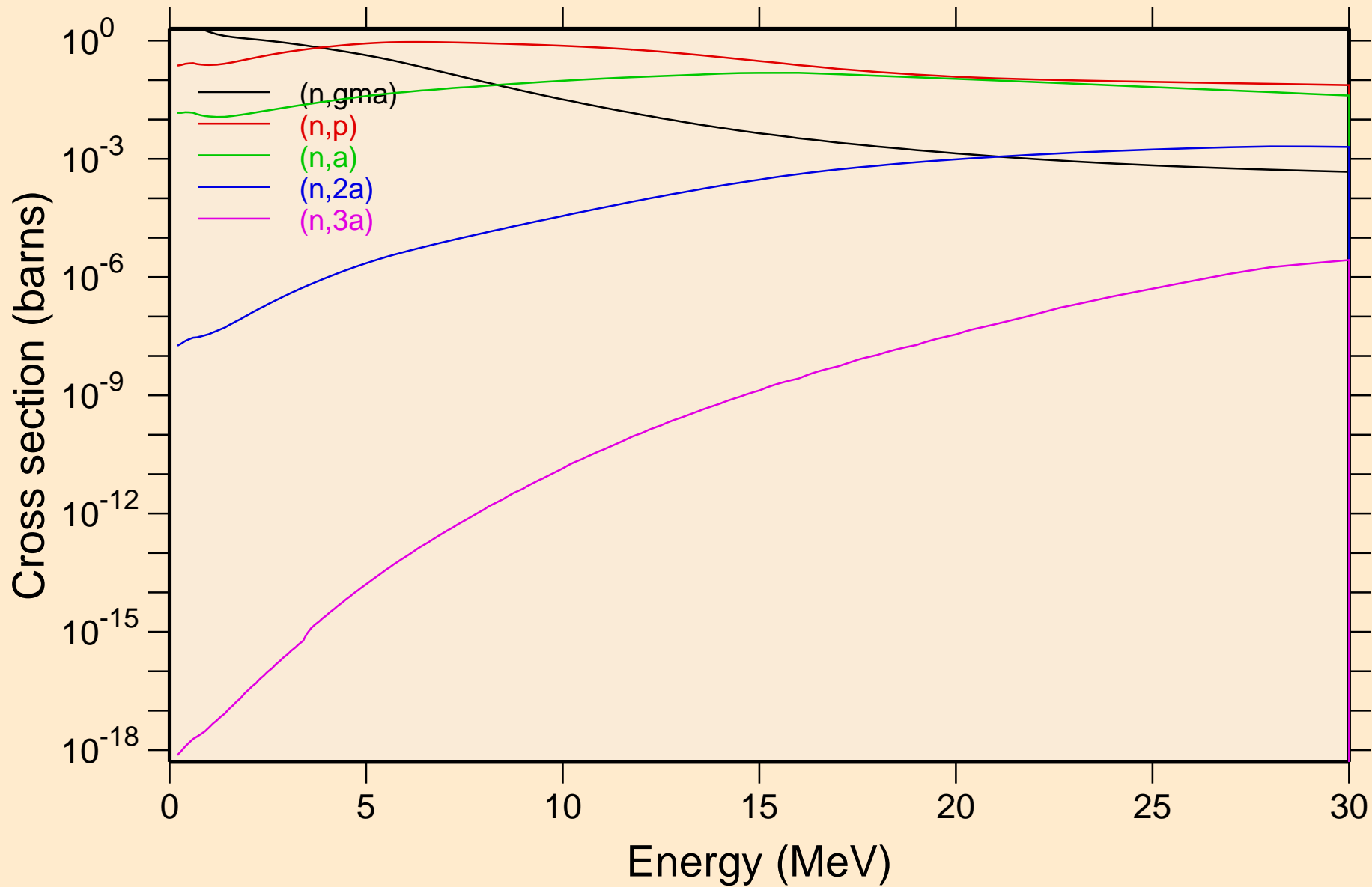


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

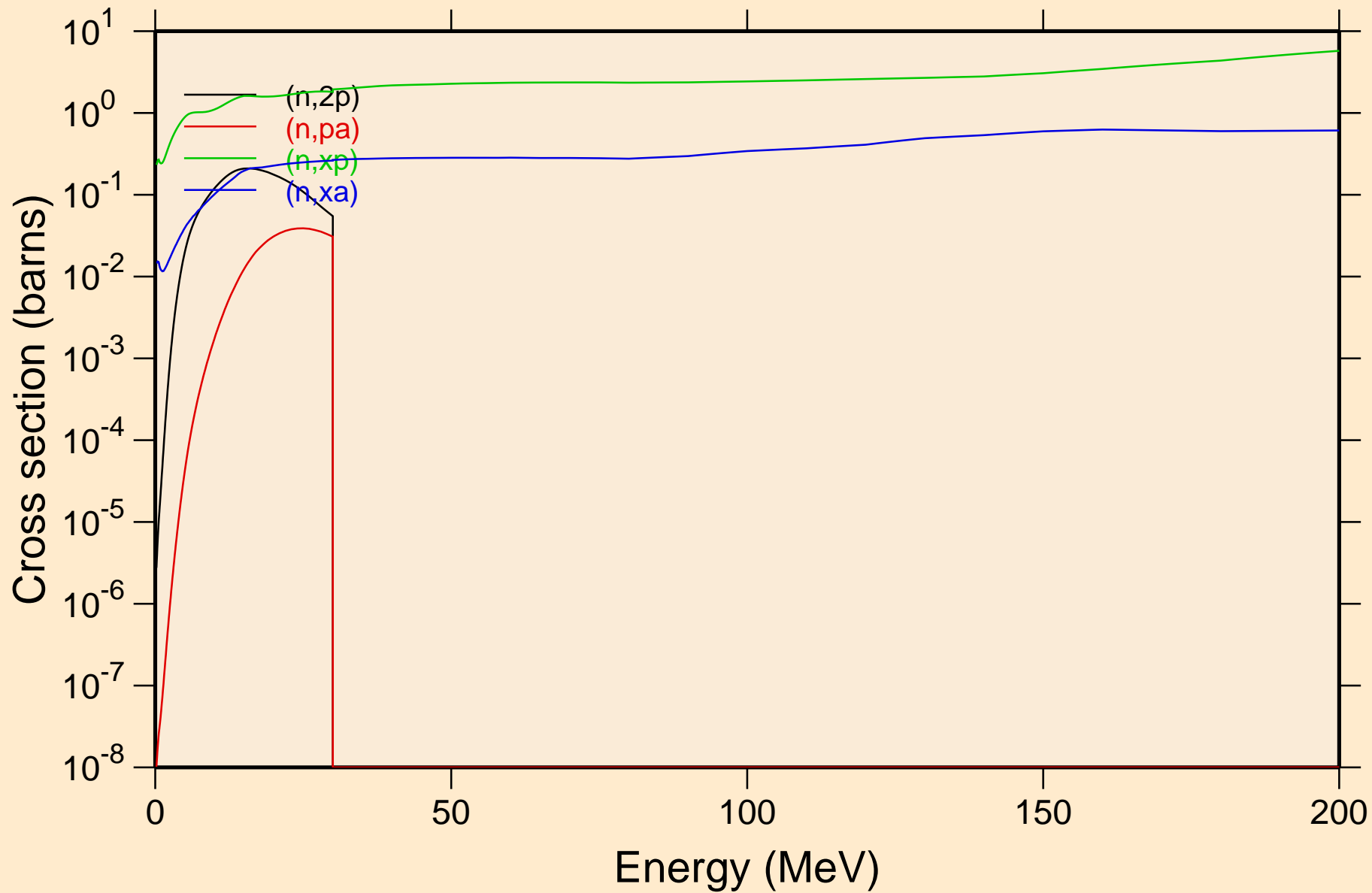




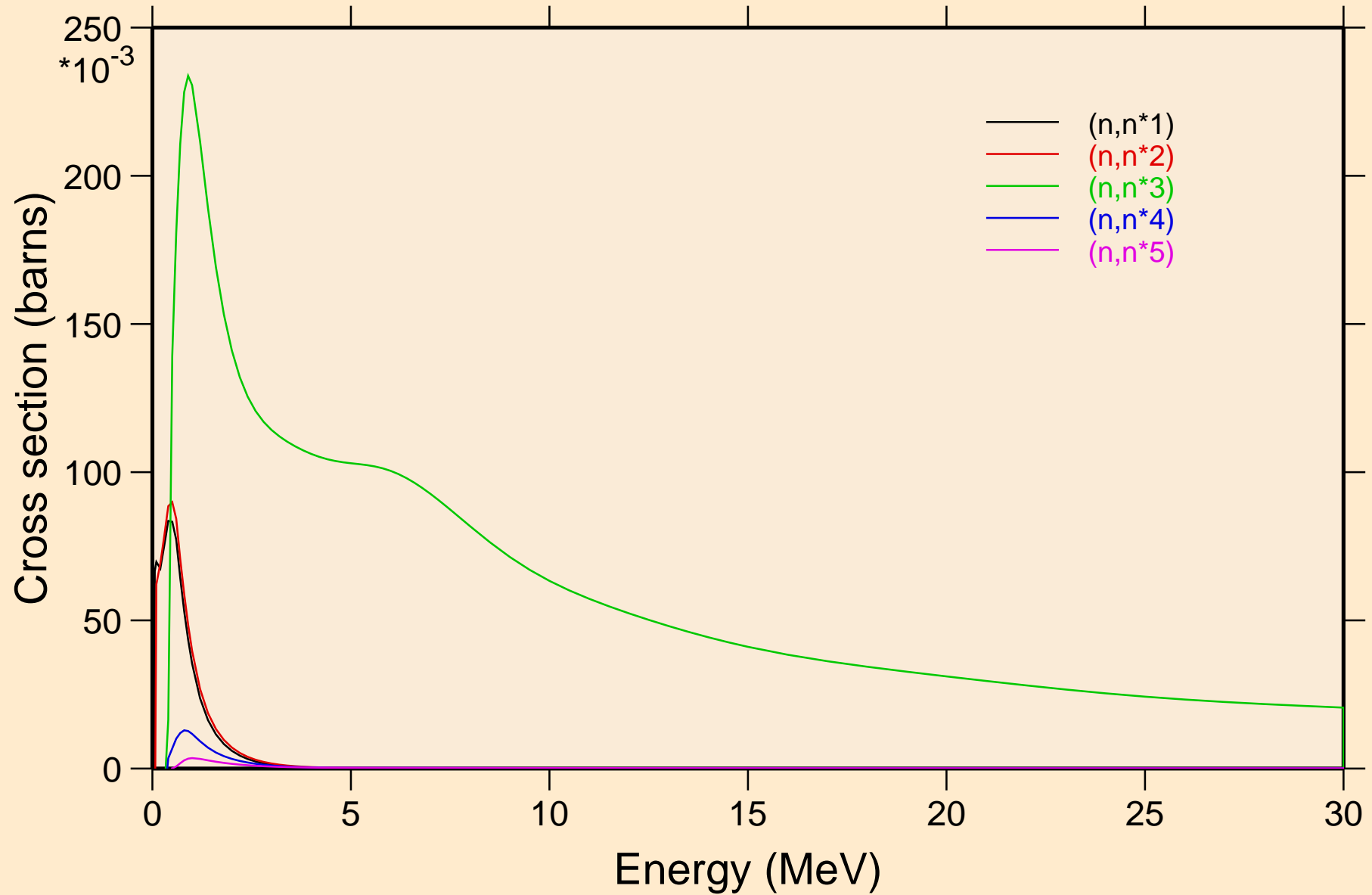
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



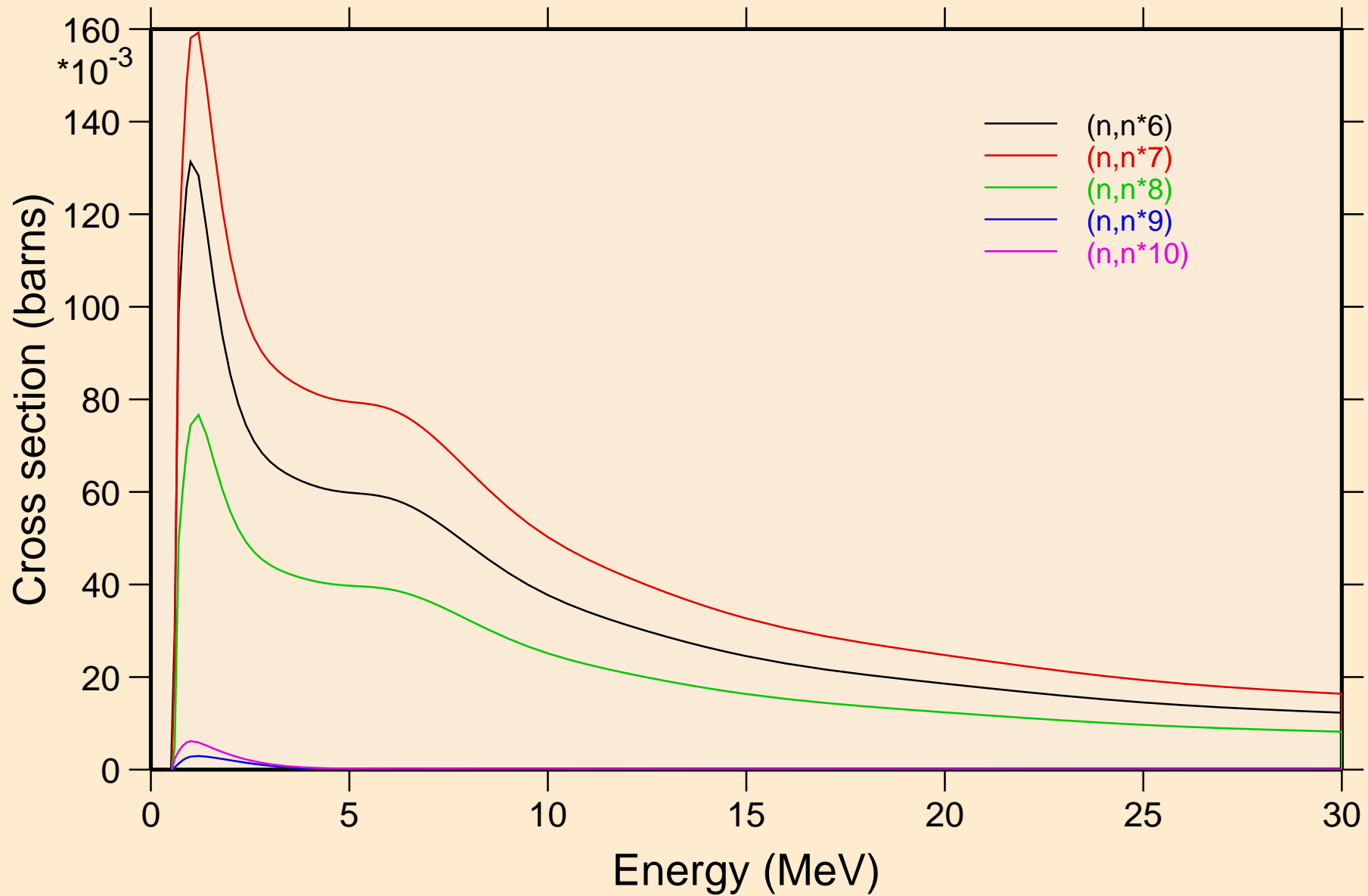
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



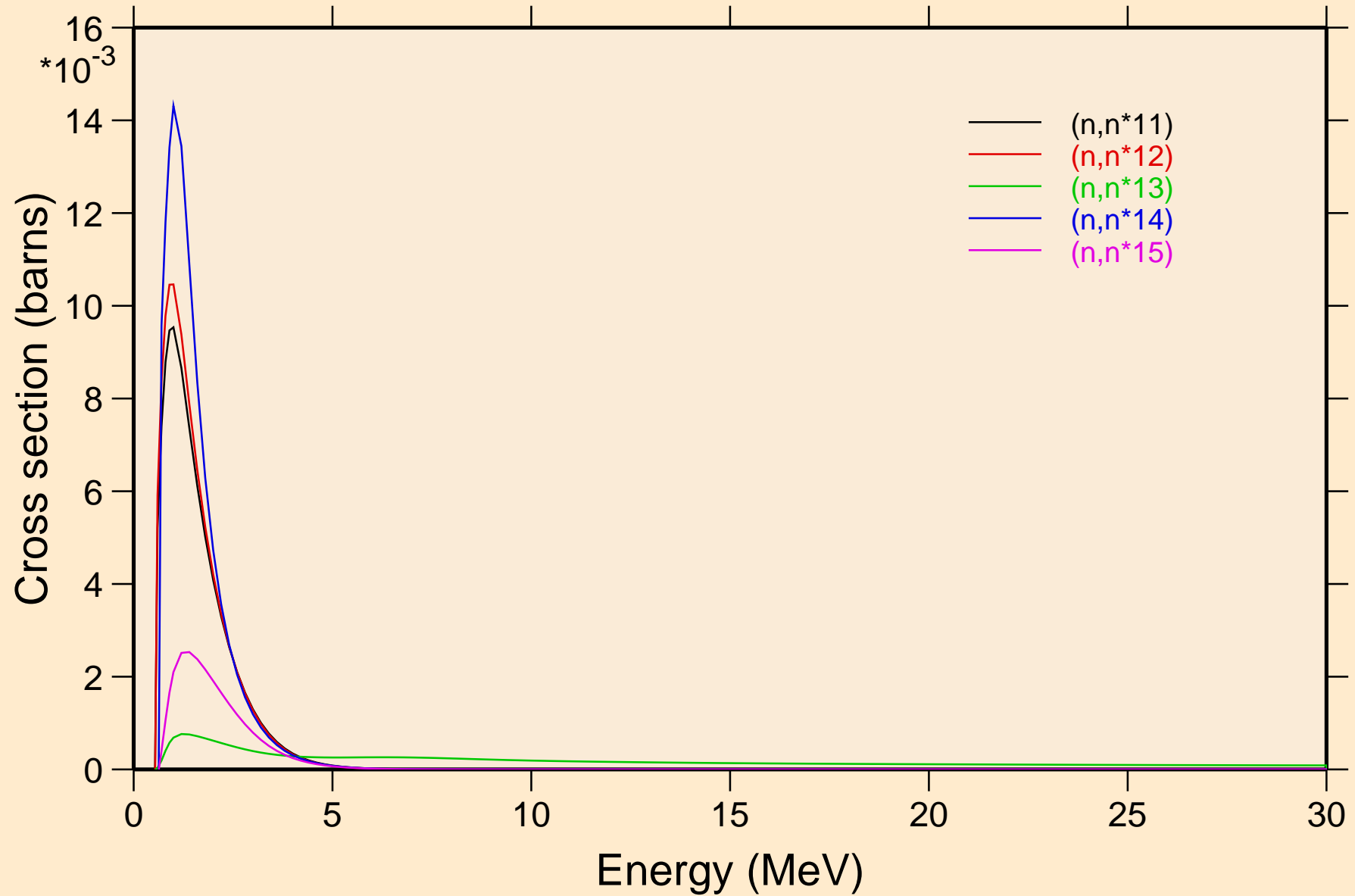
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



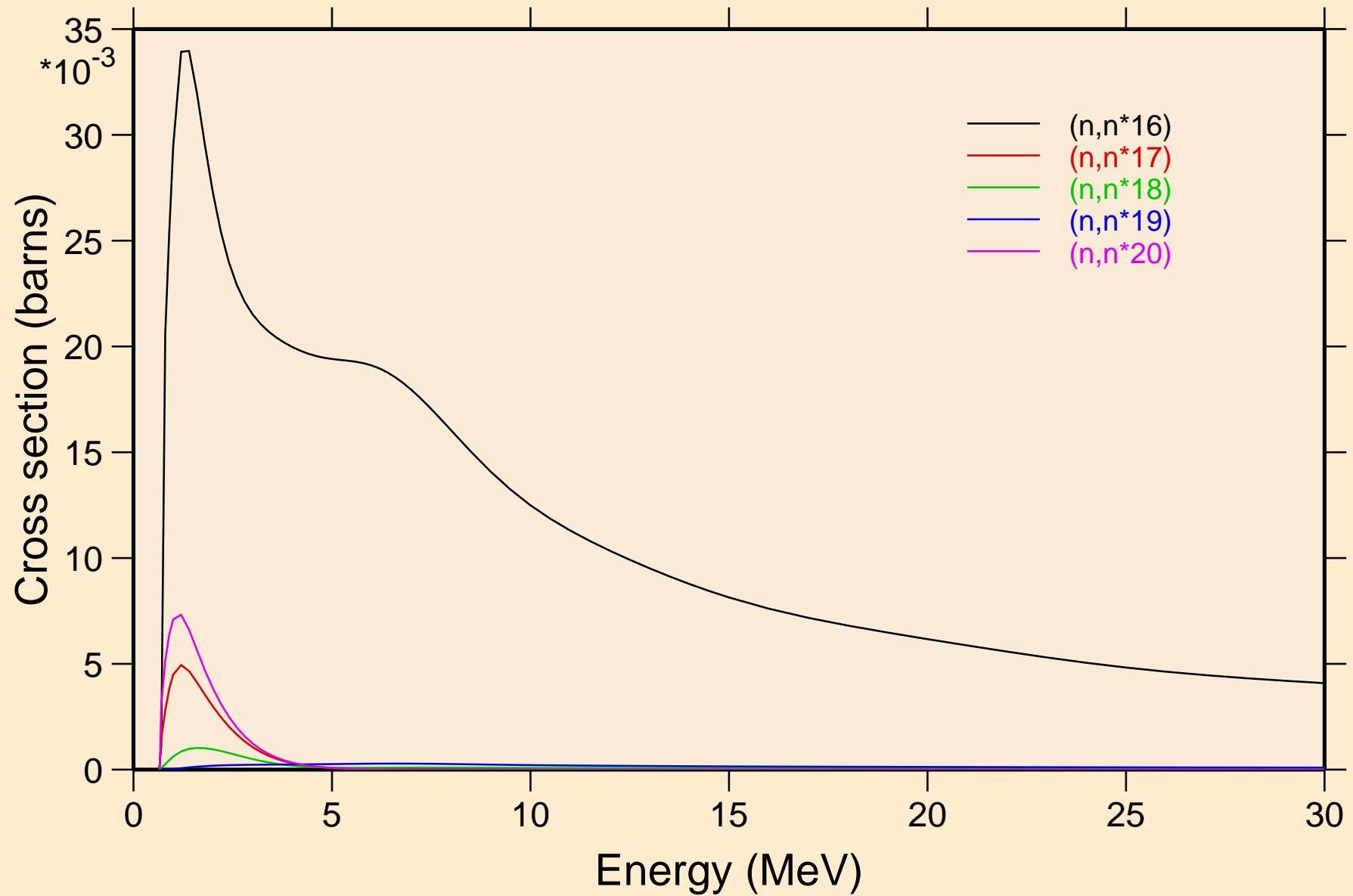
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



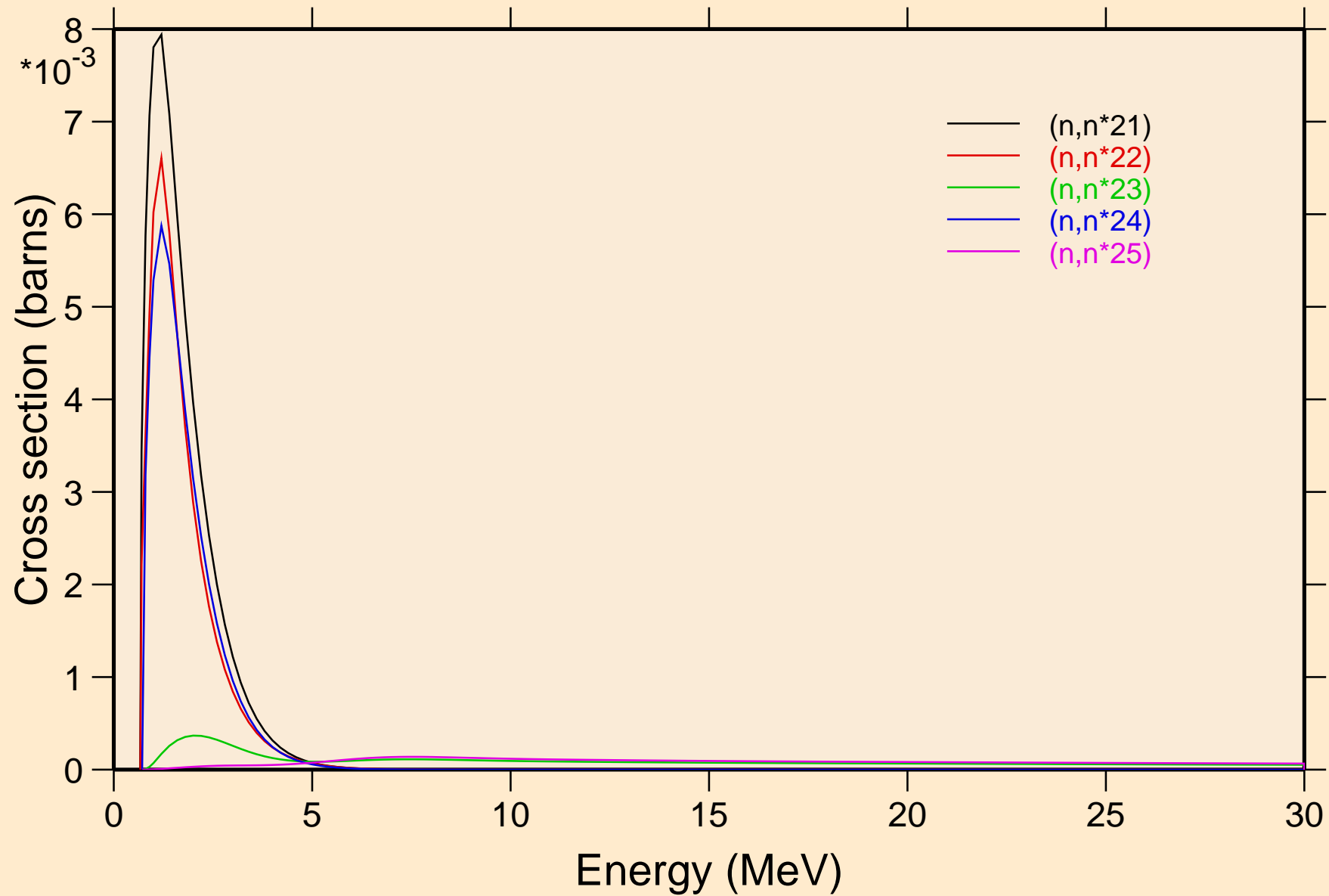
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



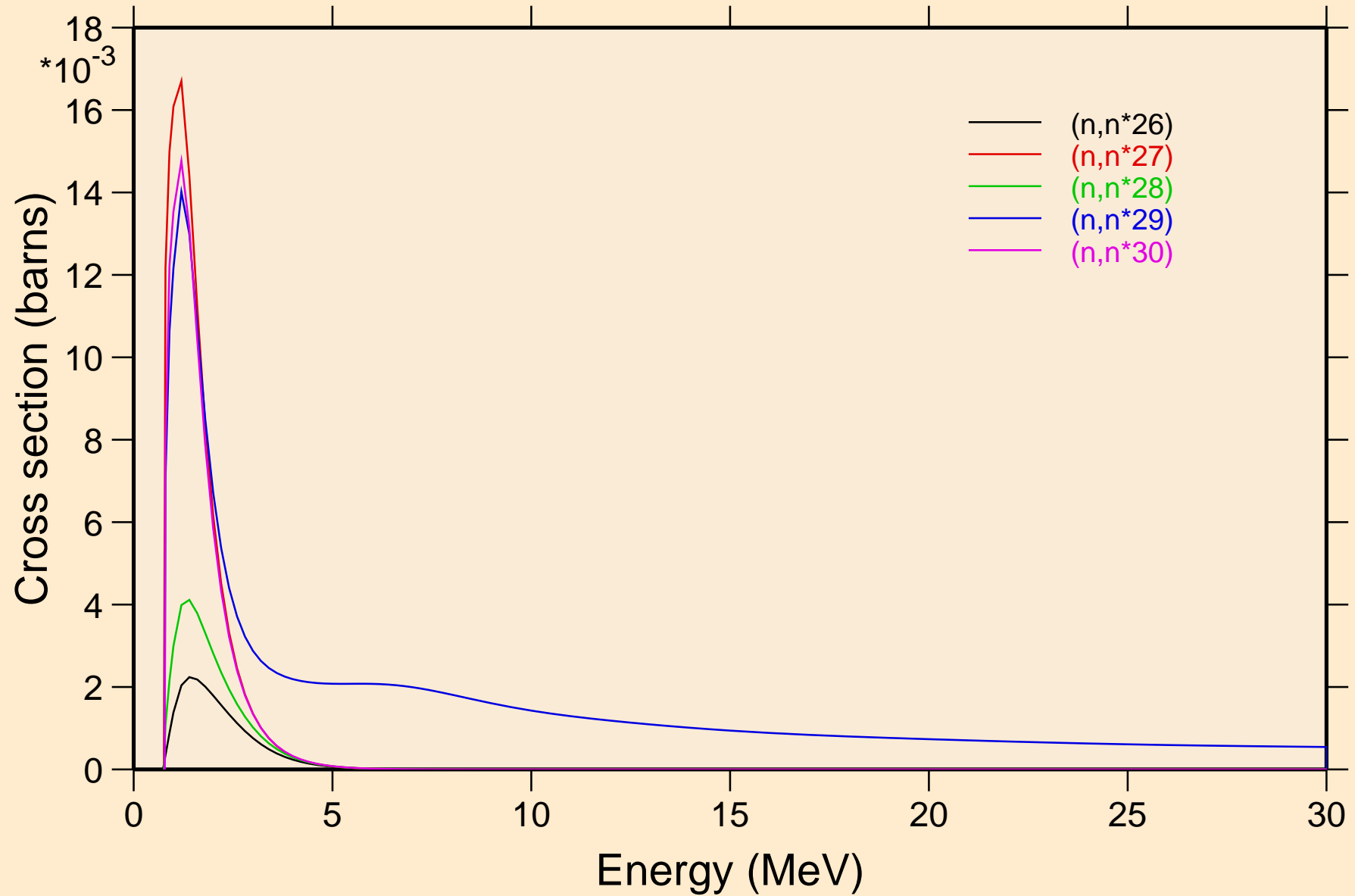
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

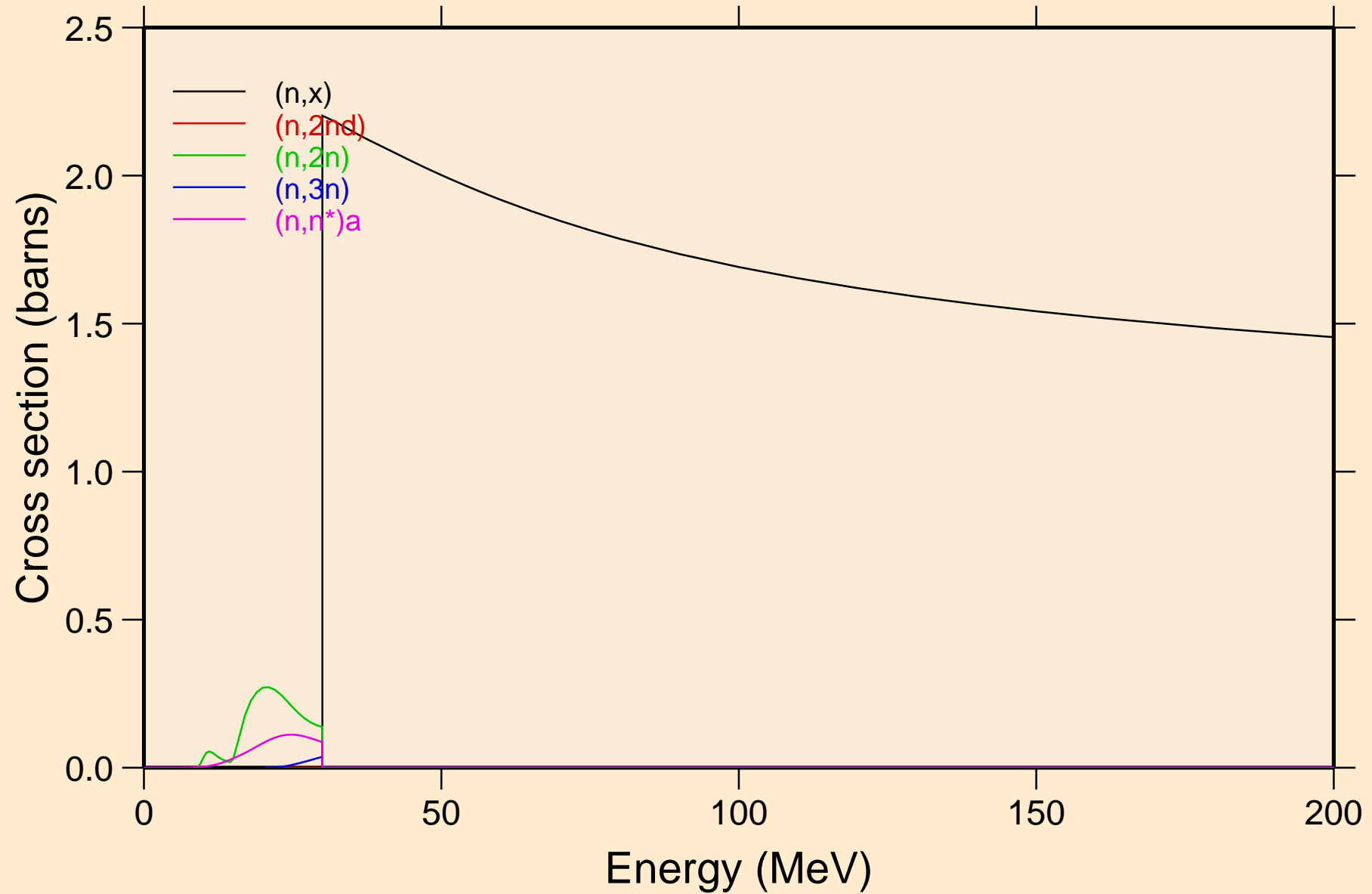


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

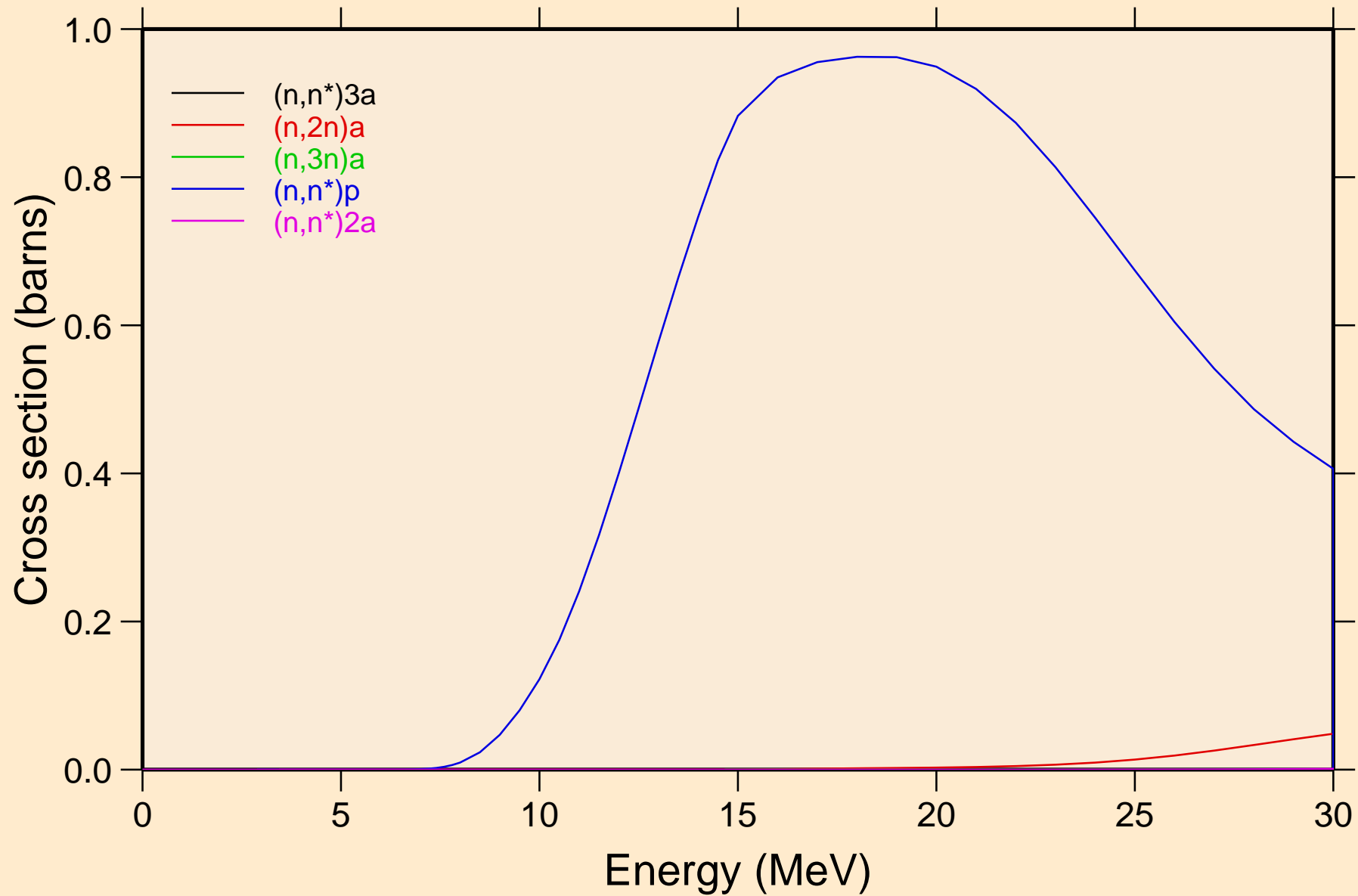




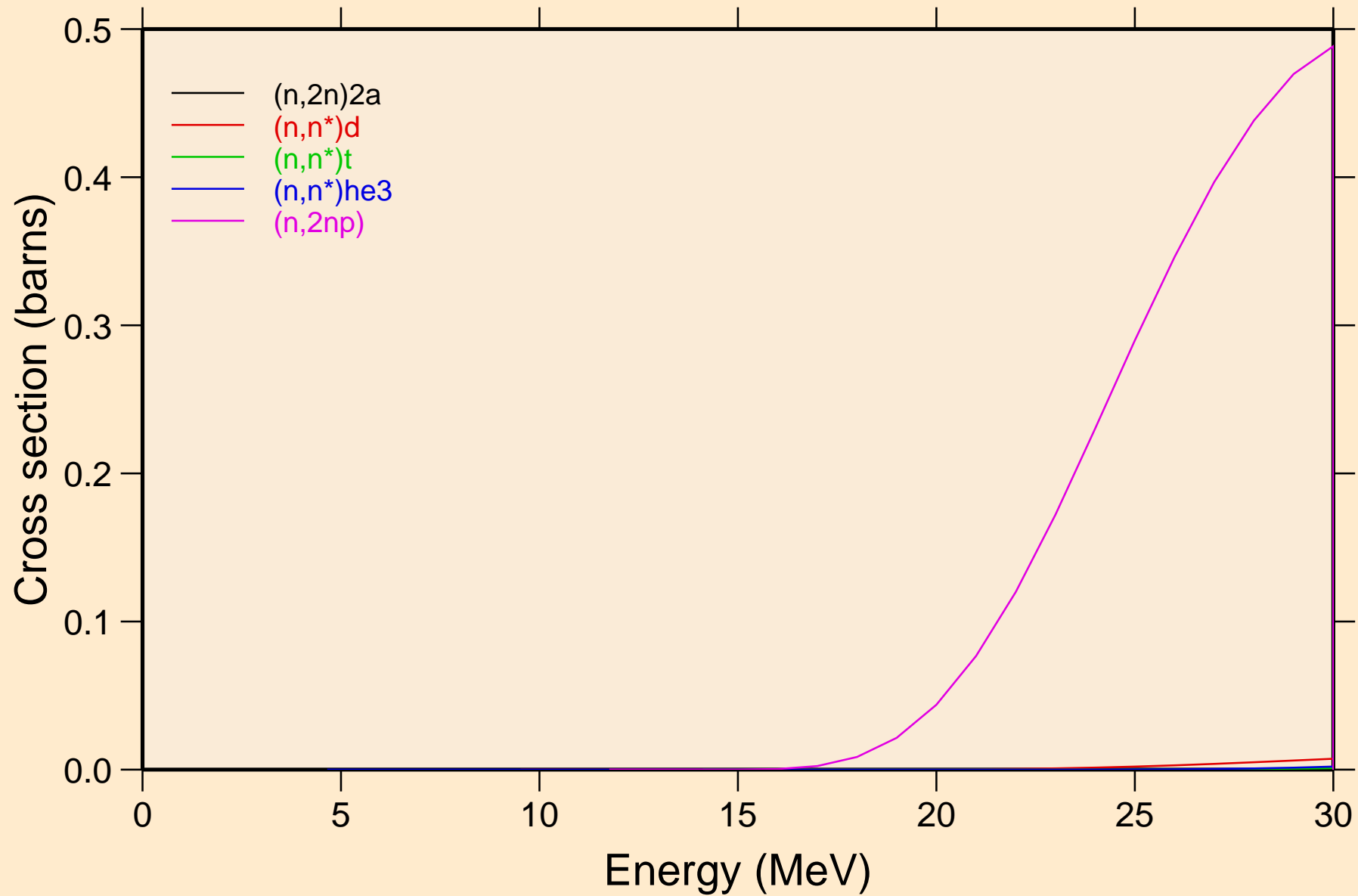
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



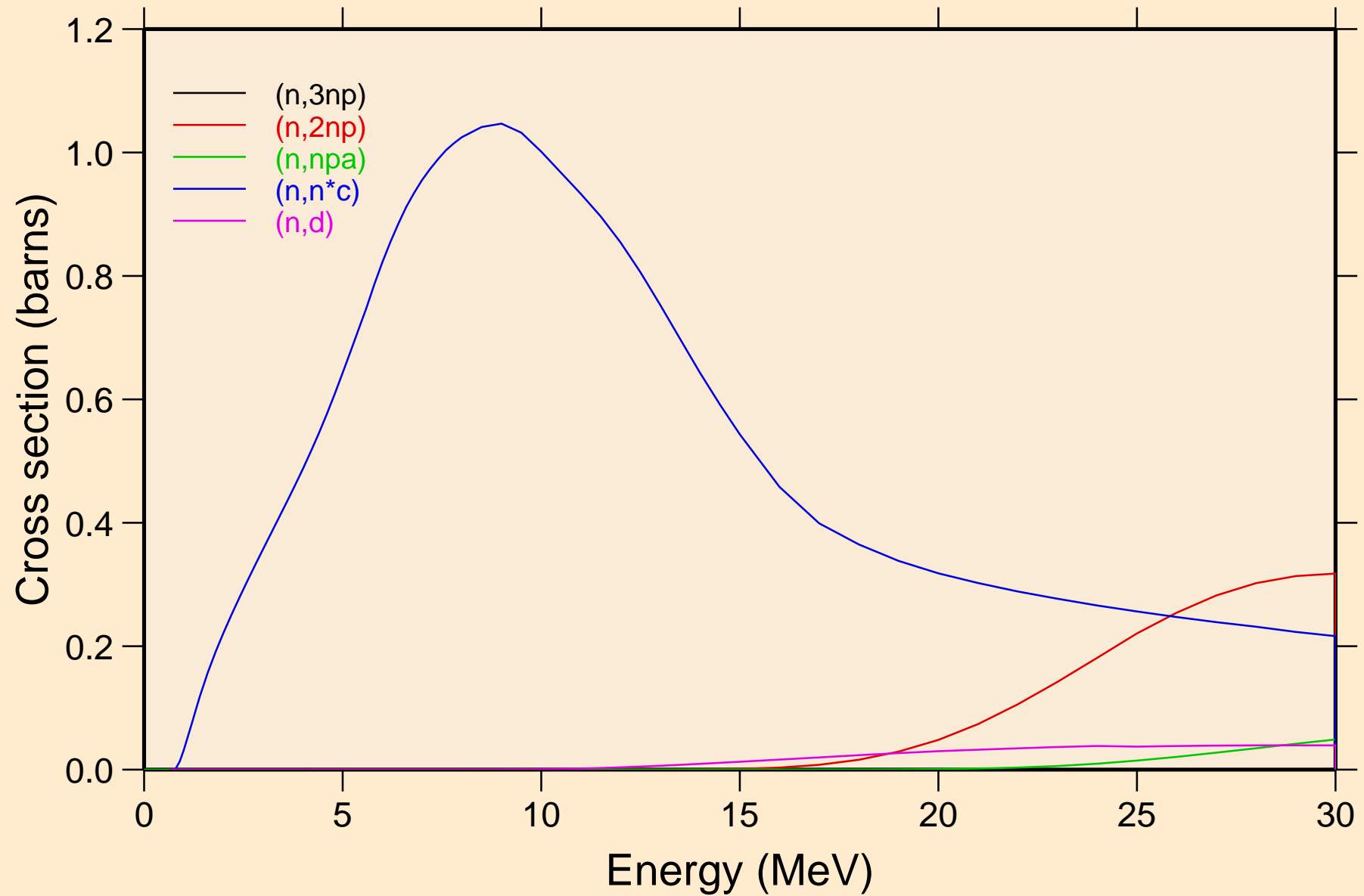
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



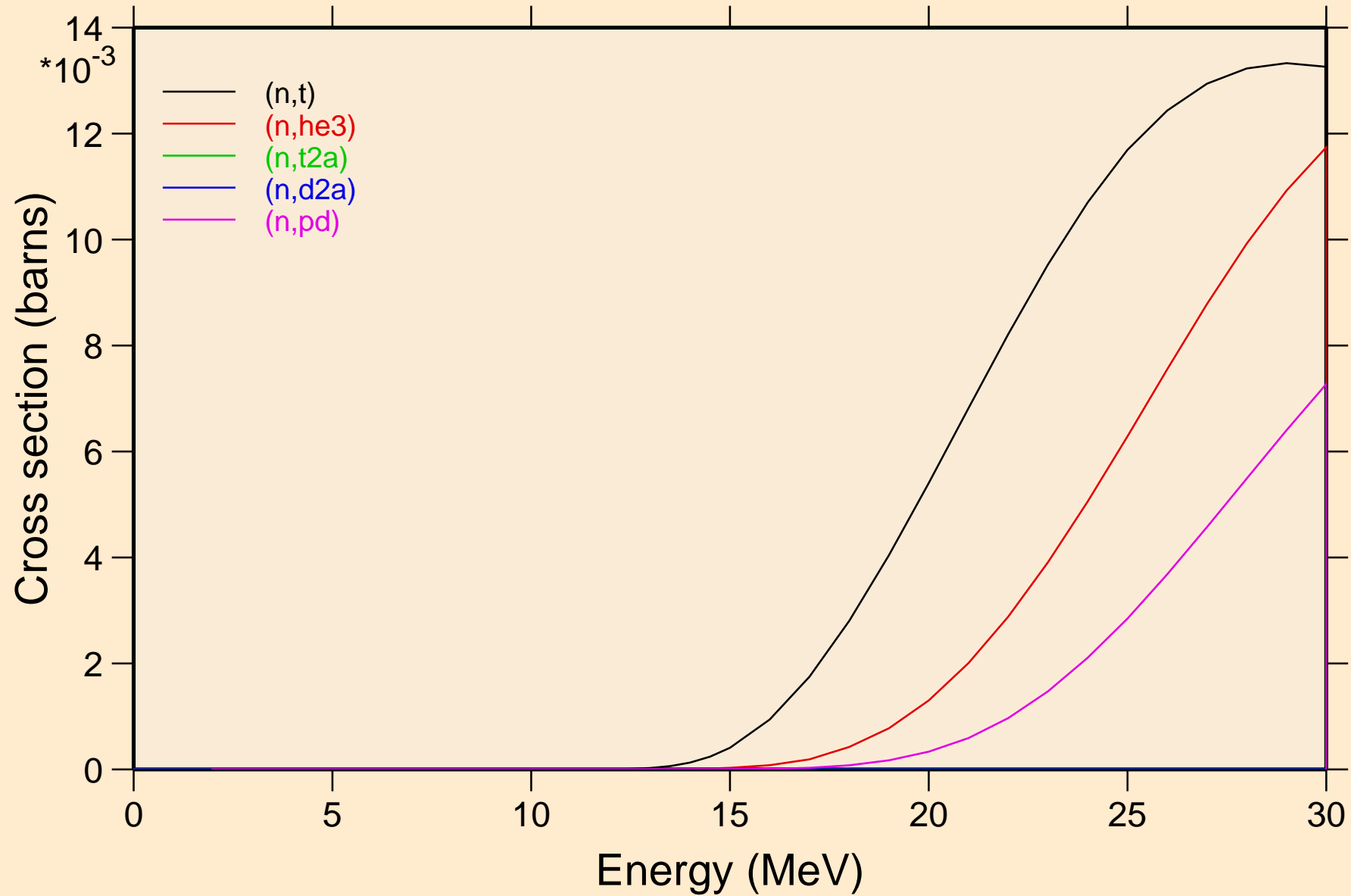
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



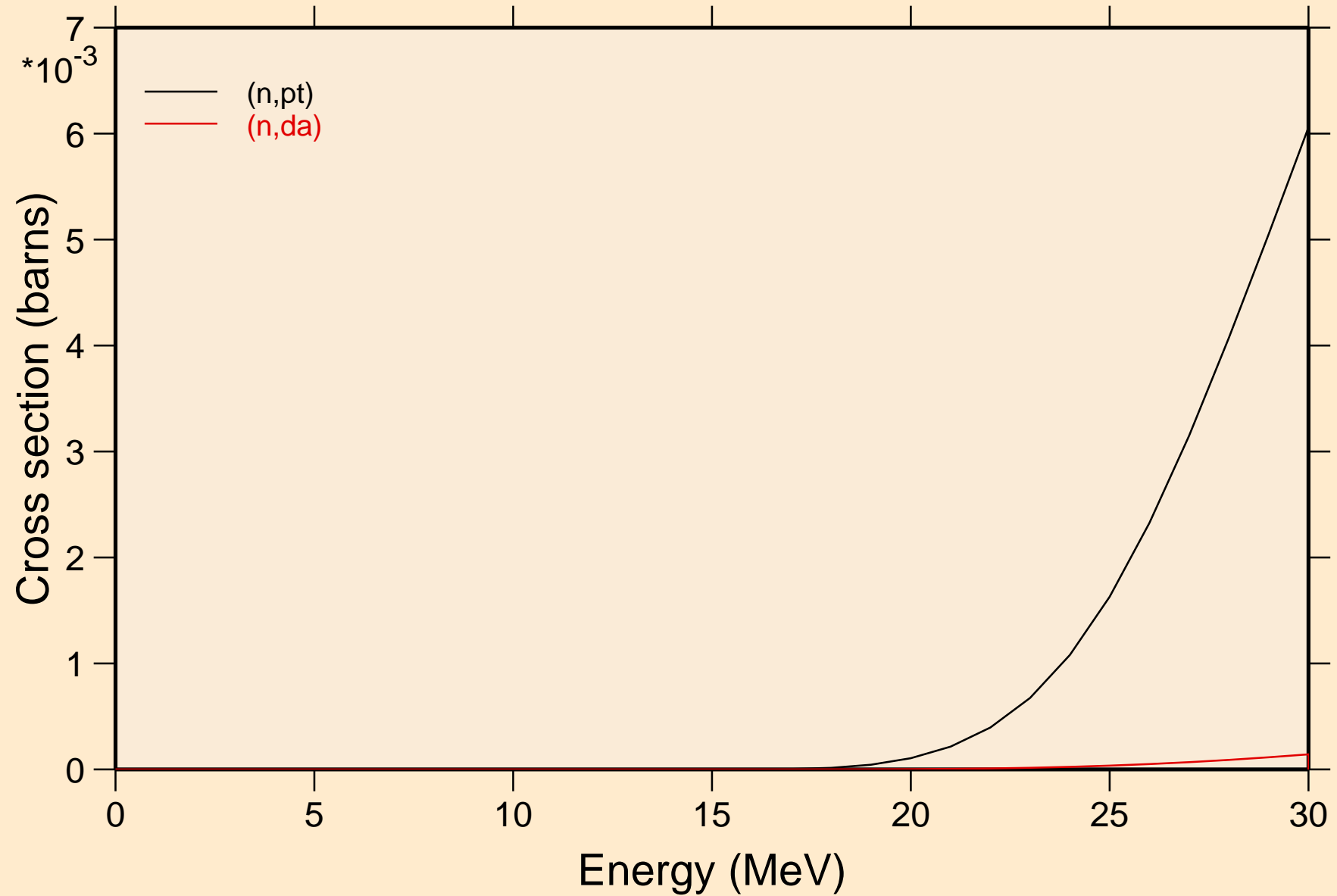
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



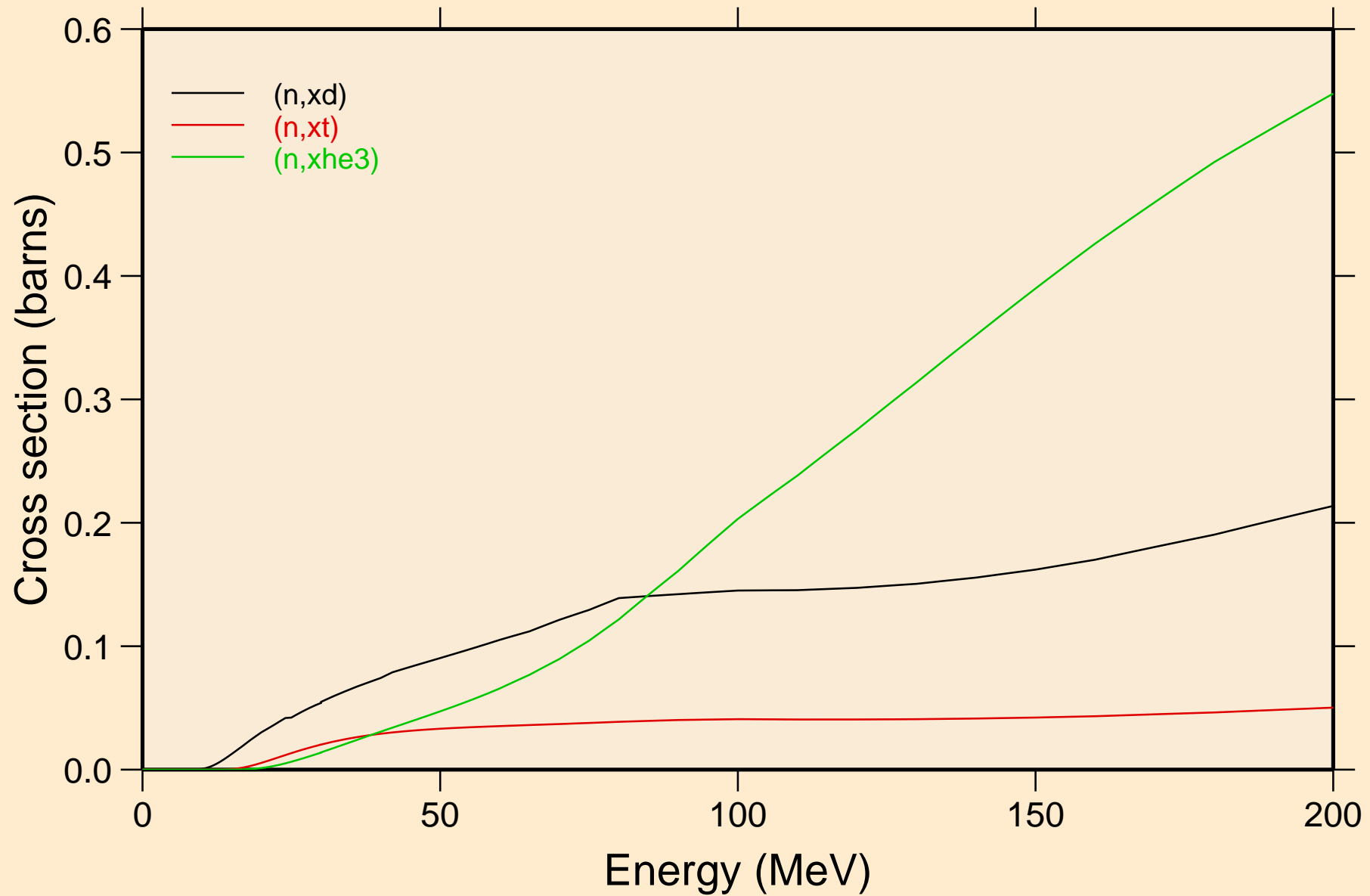
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



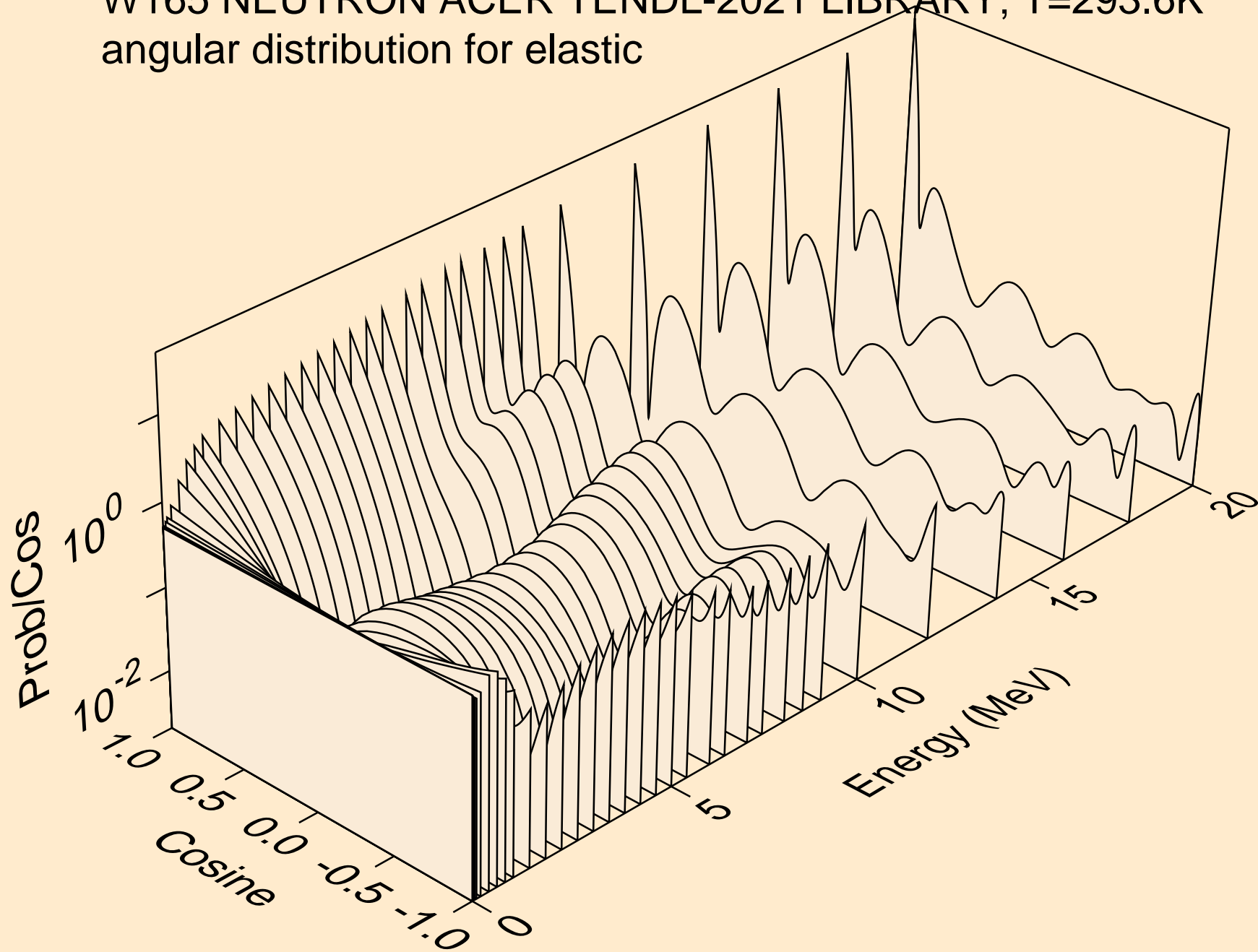
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

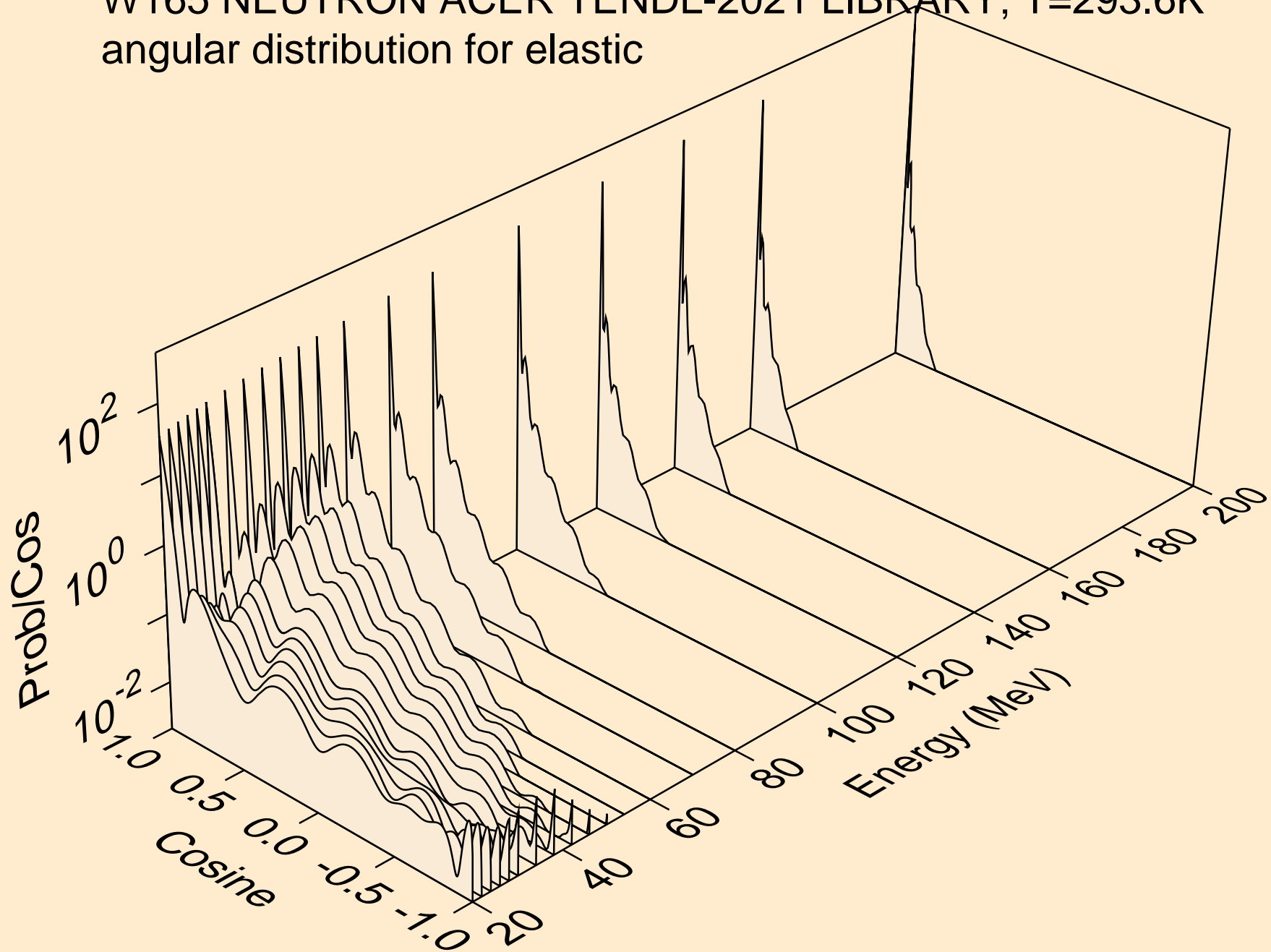


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

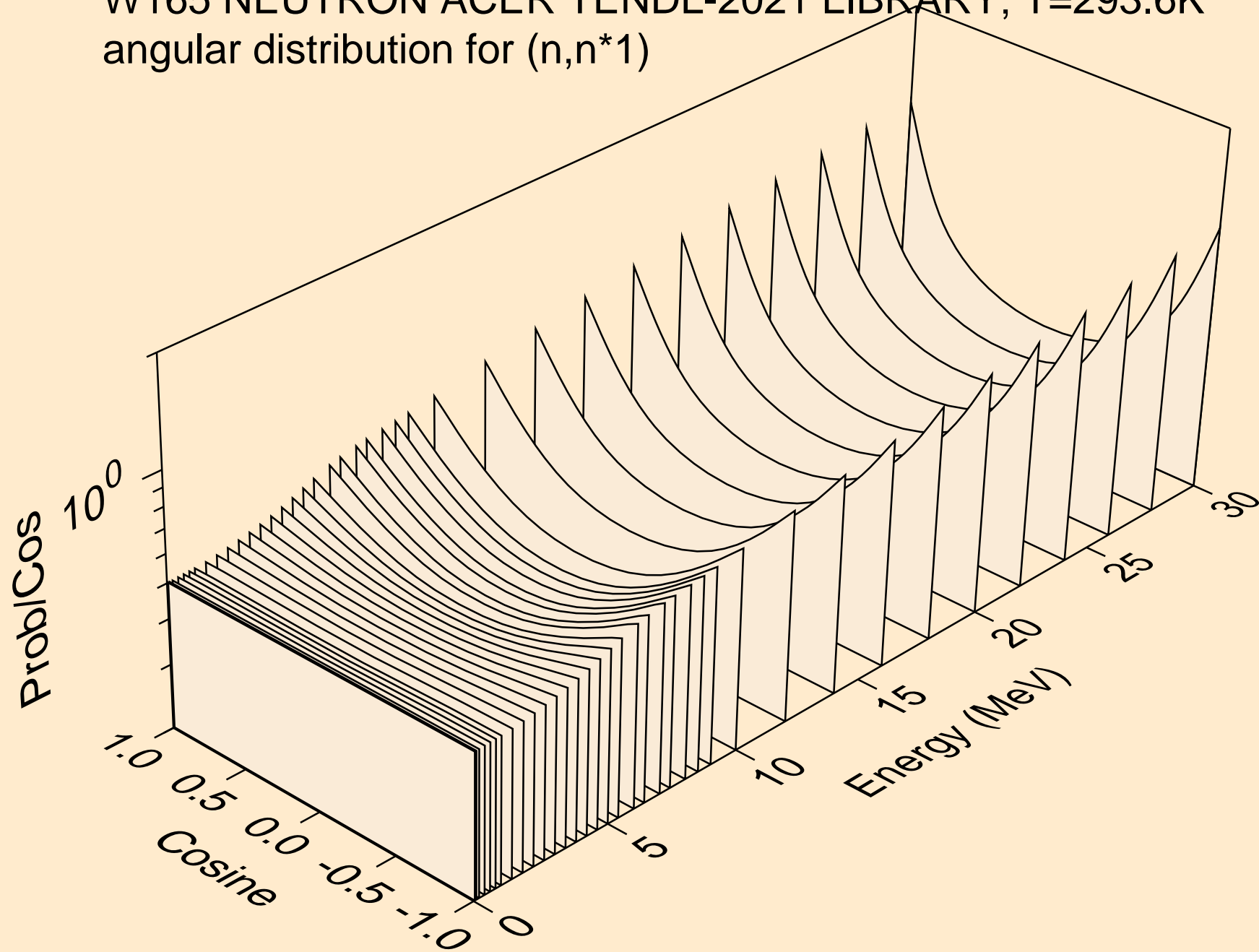




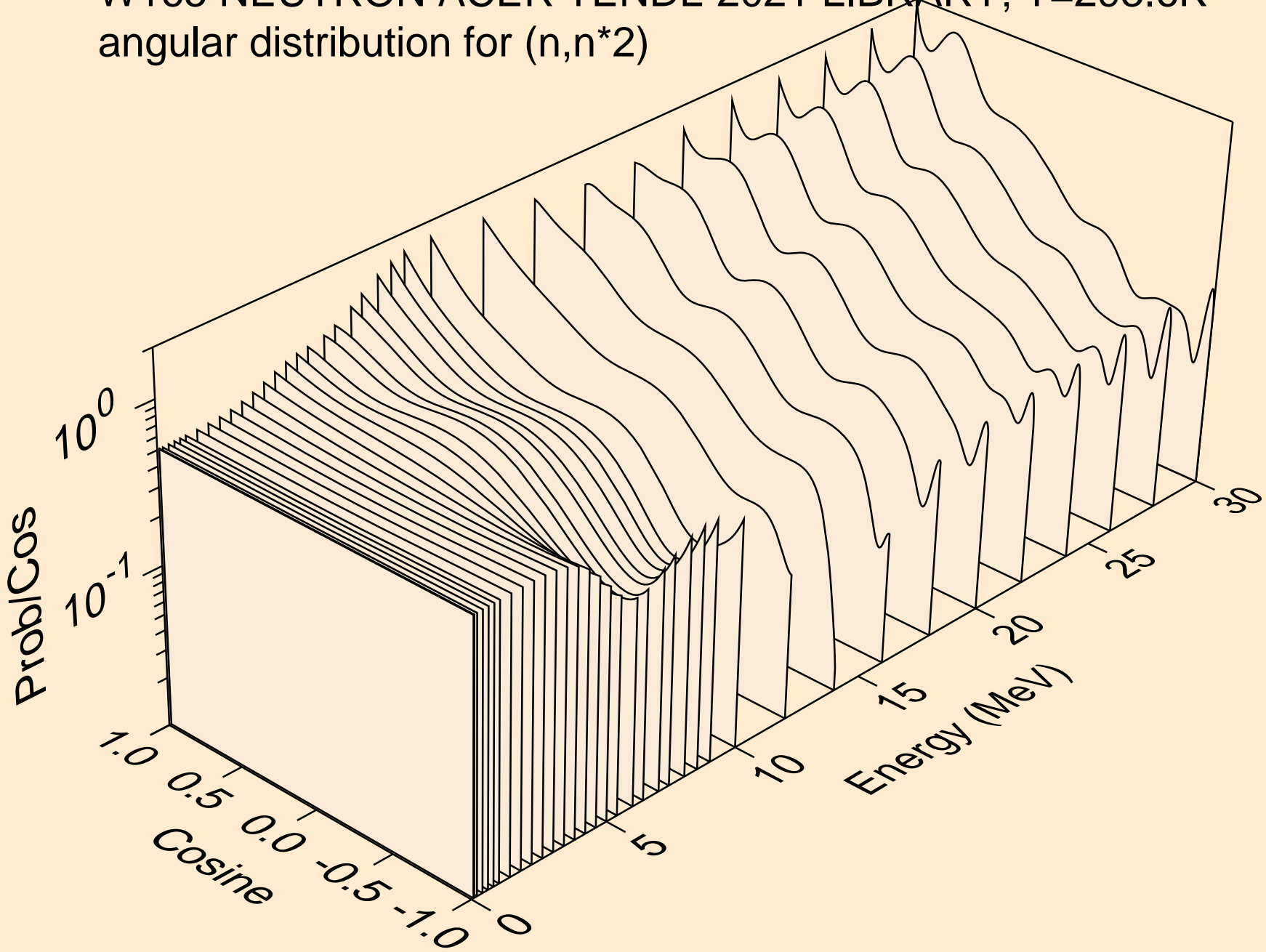
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



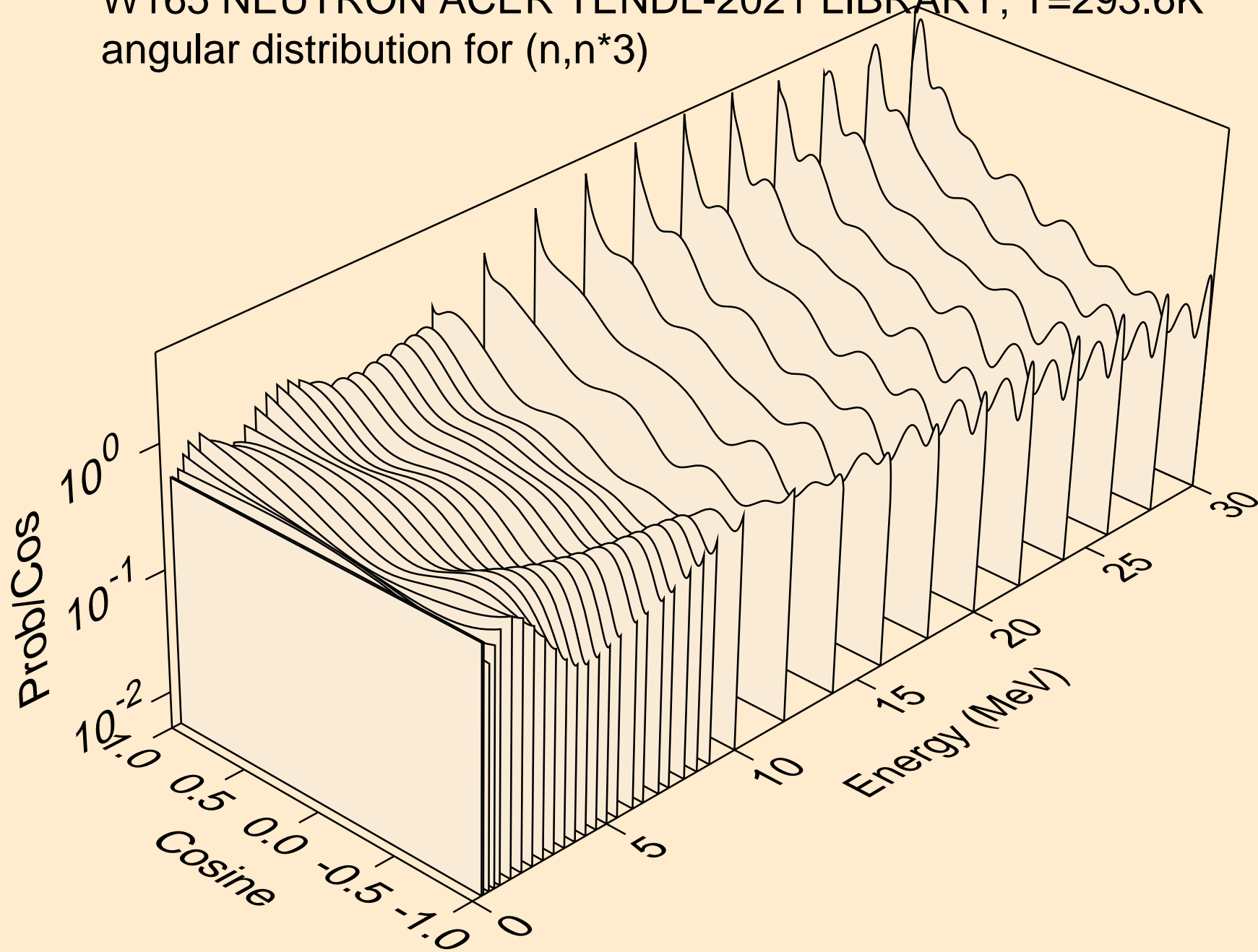
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



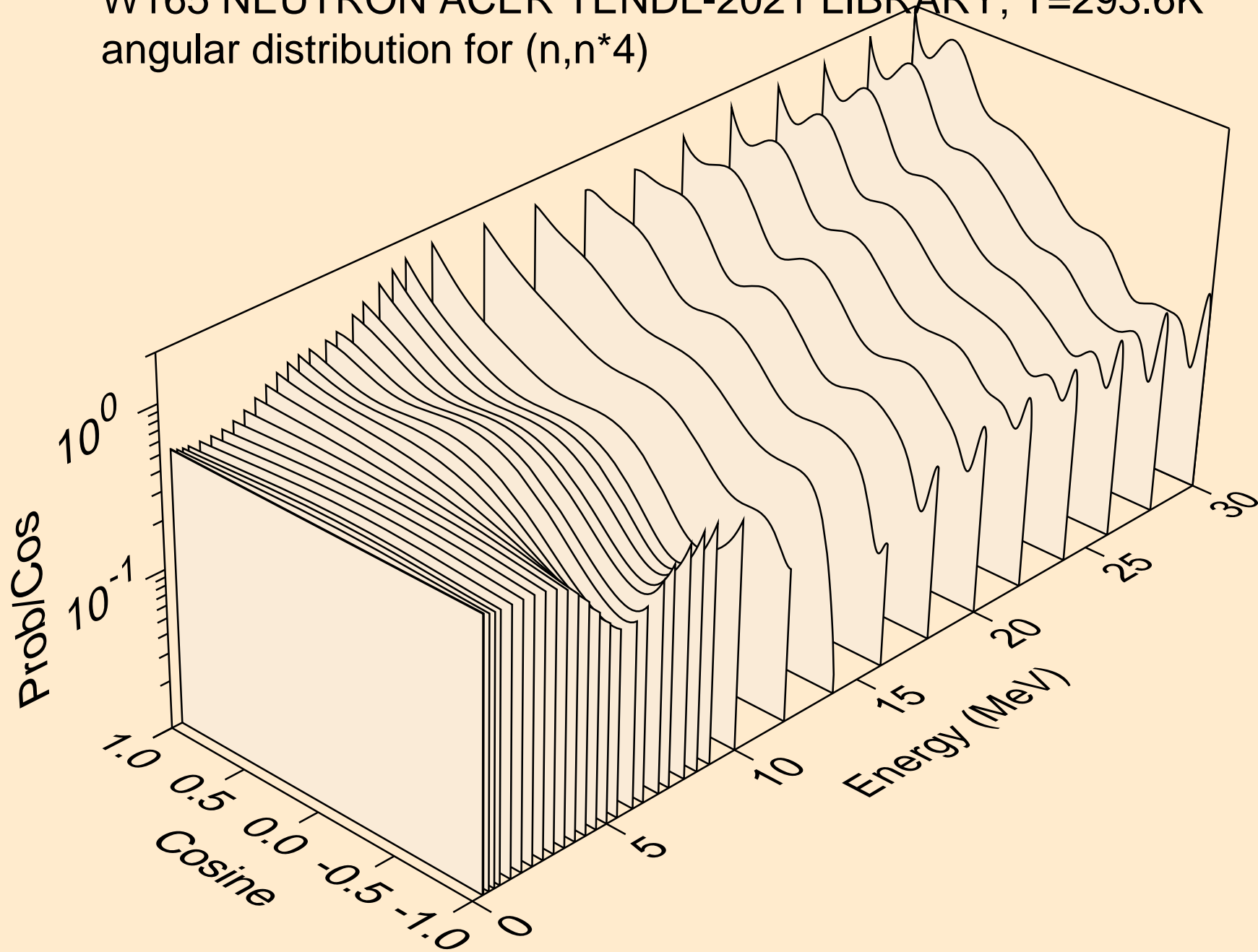
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



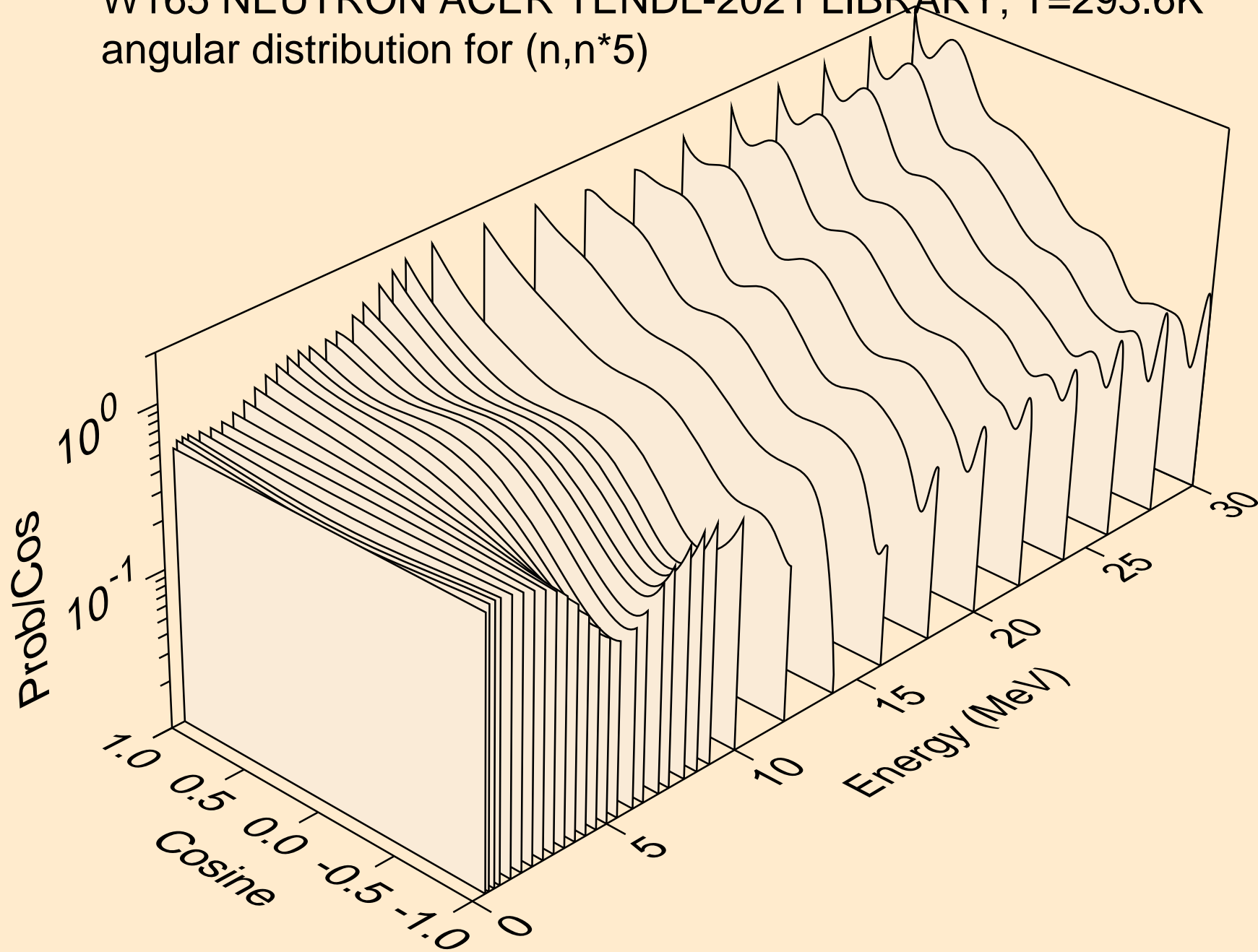
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



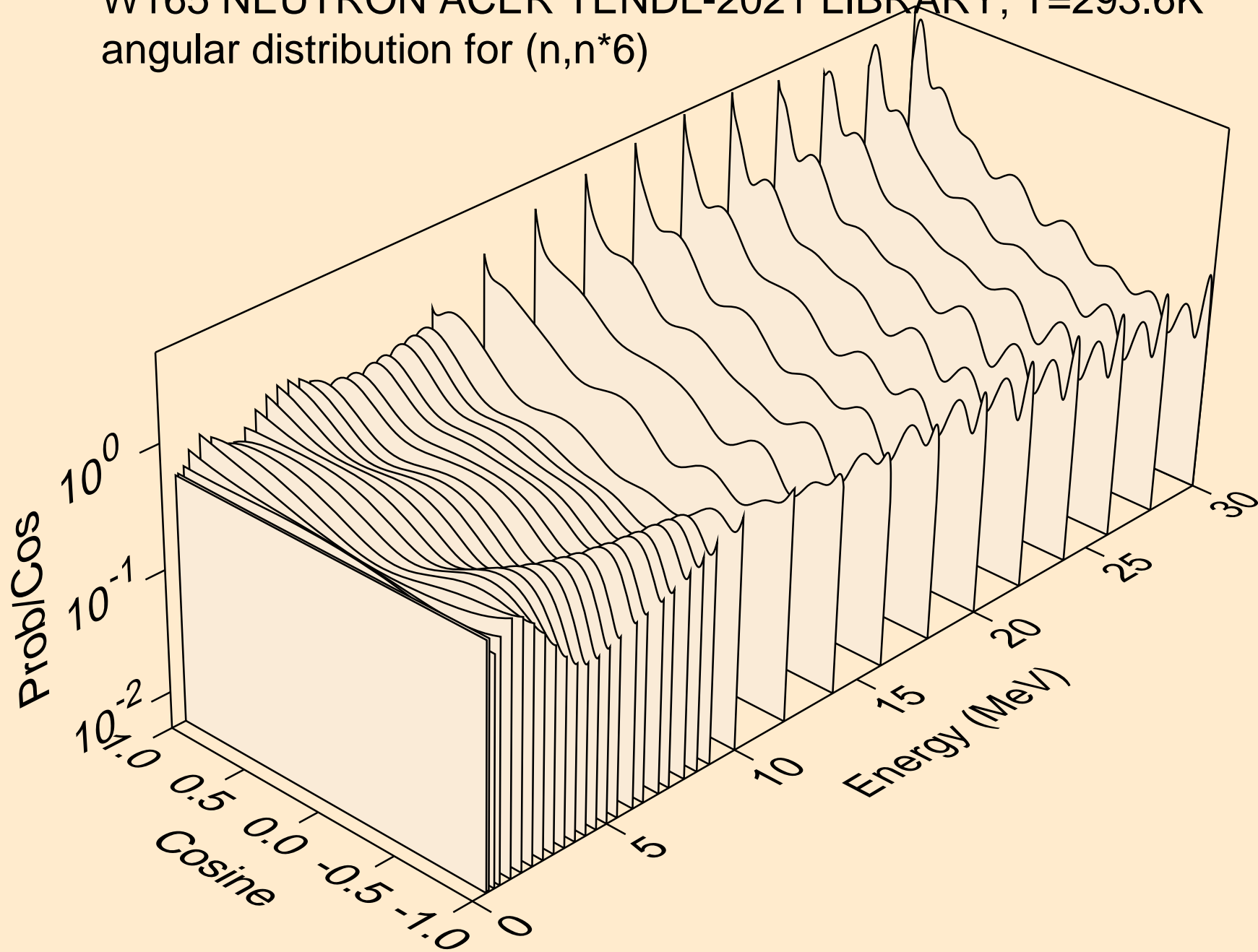
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



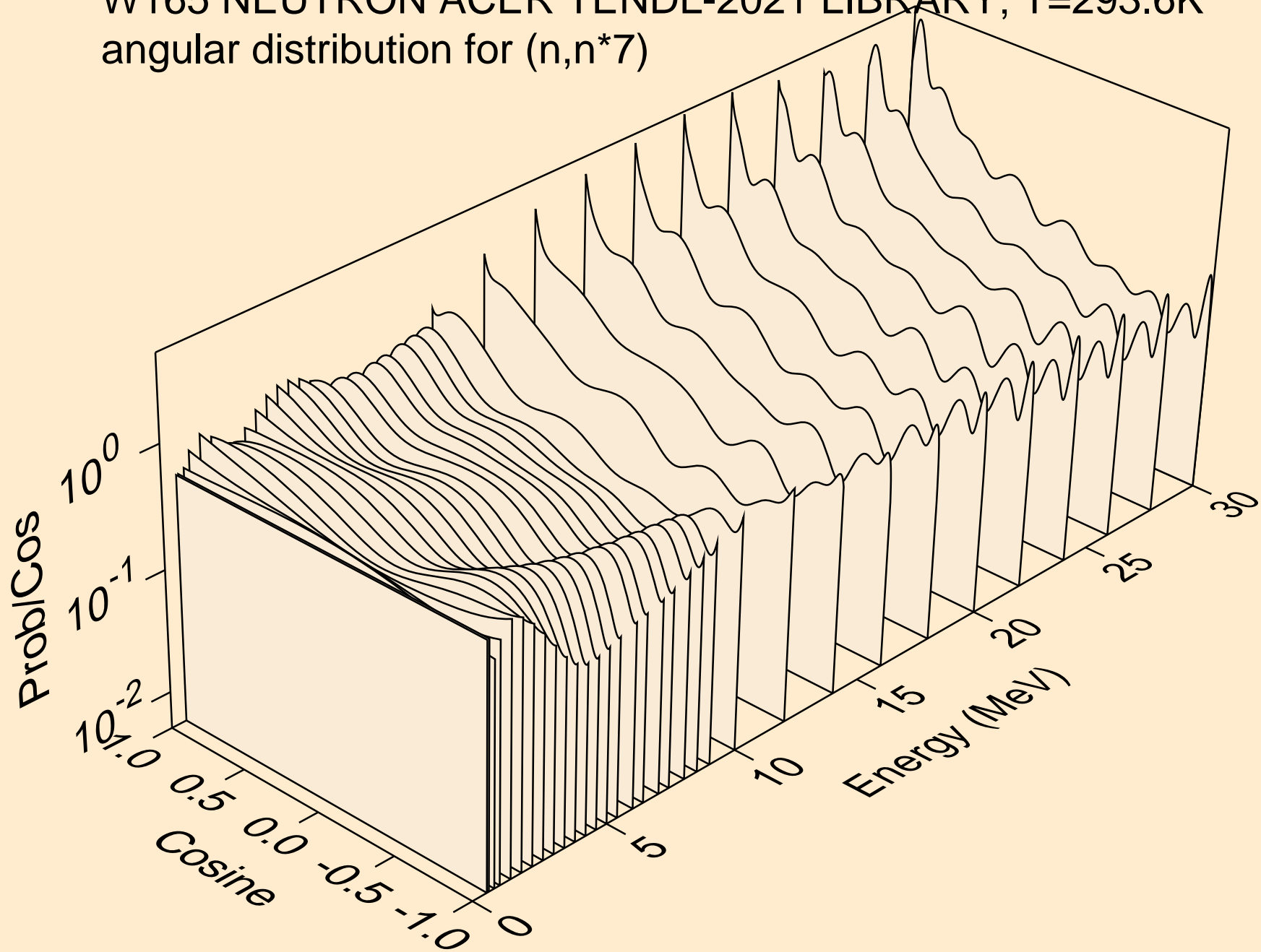
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

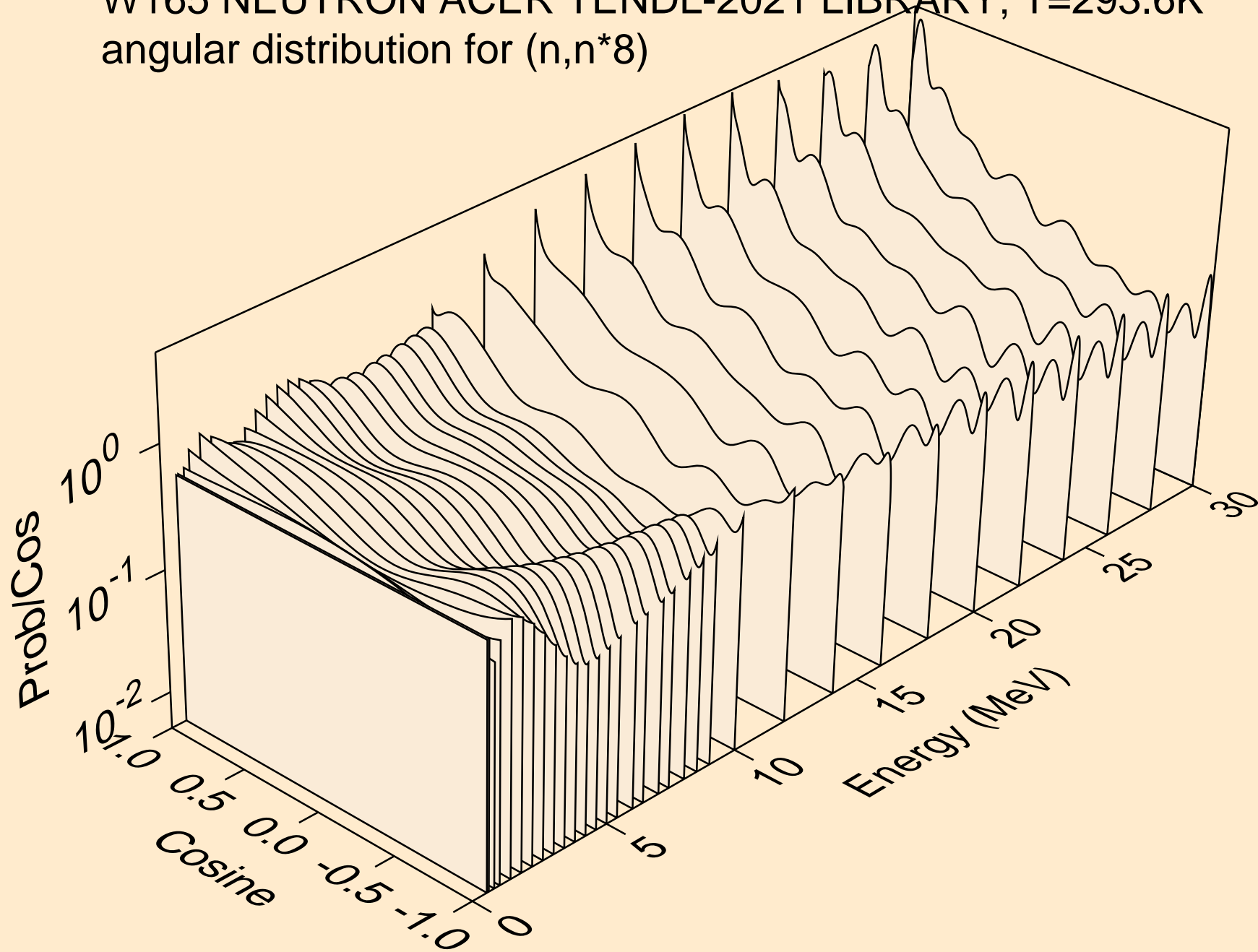


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

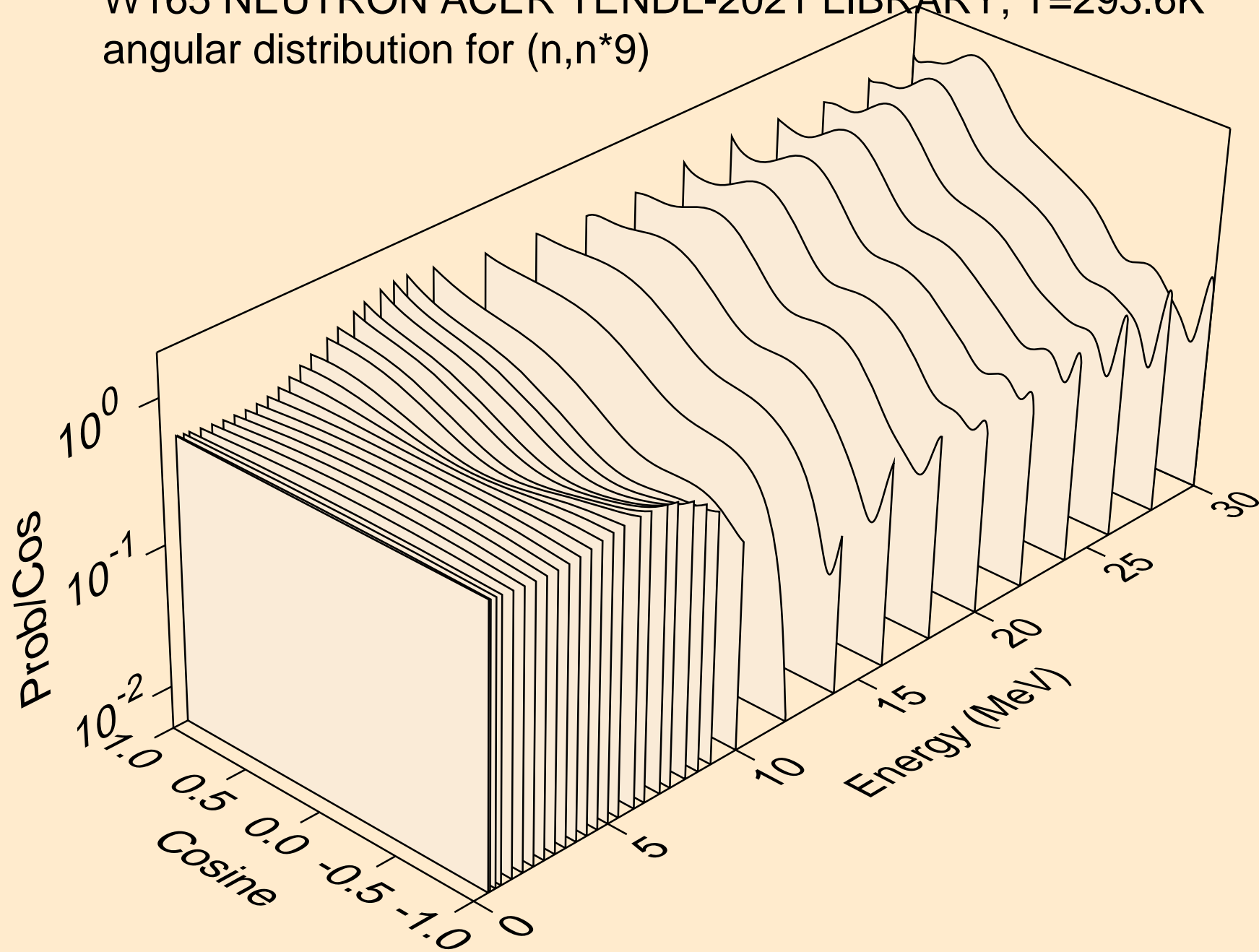




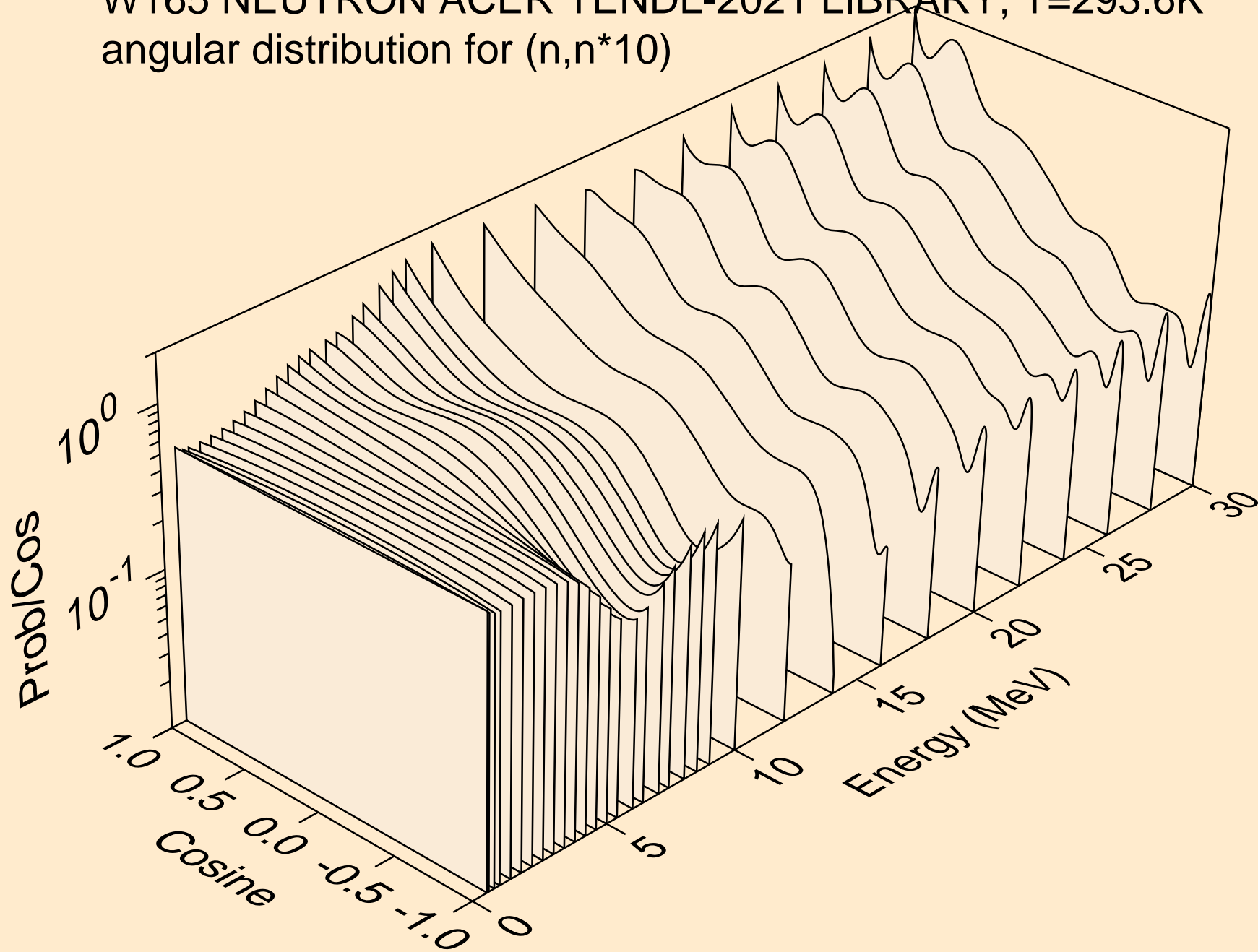
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angular distribution for (n,n\*8)



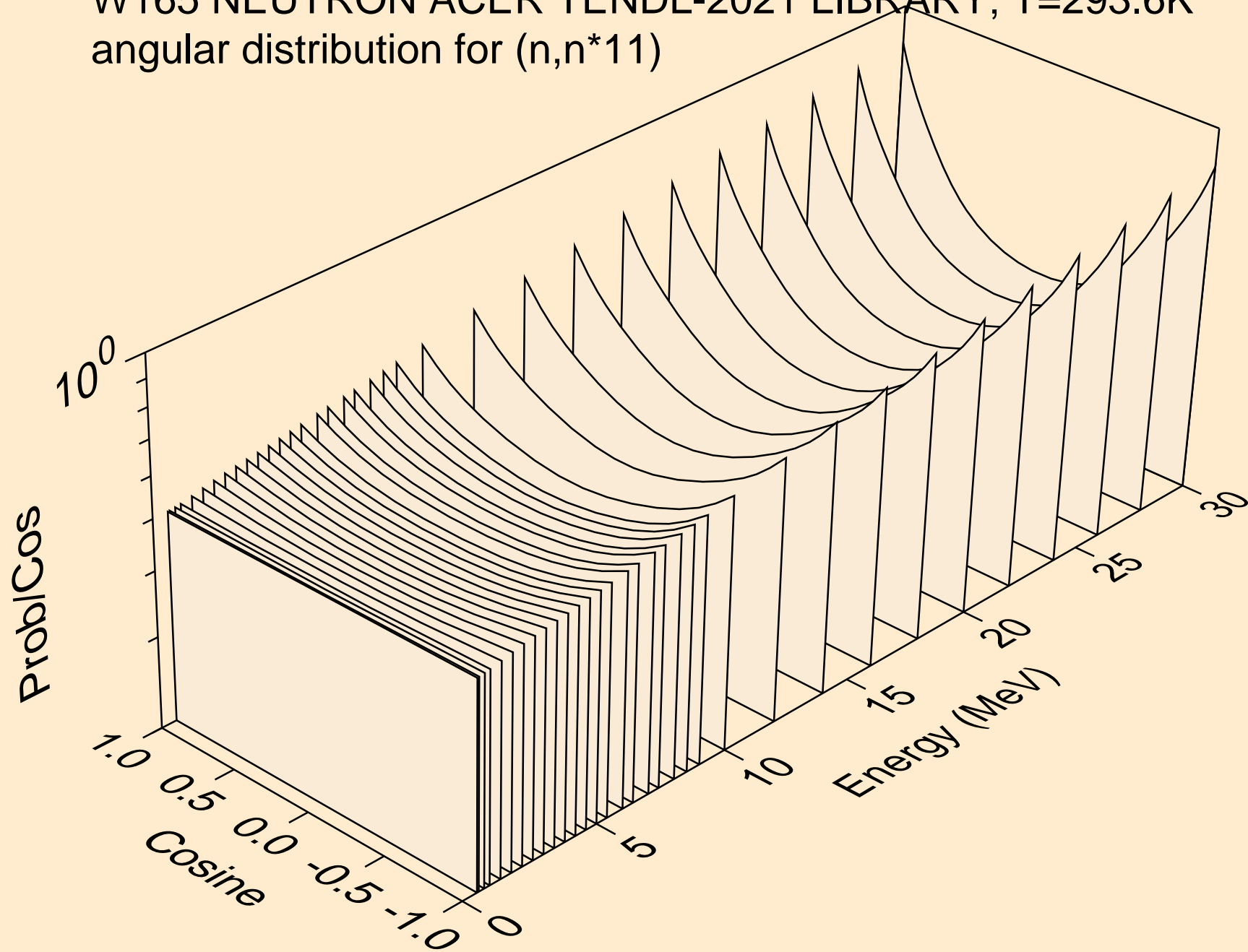
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angular distribution for (n,n\*9)



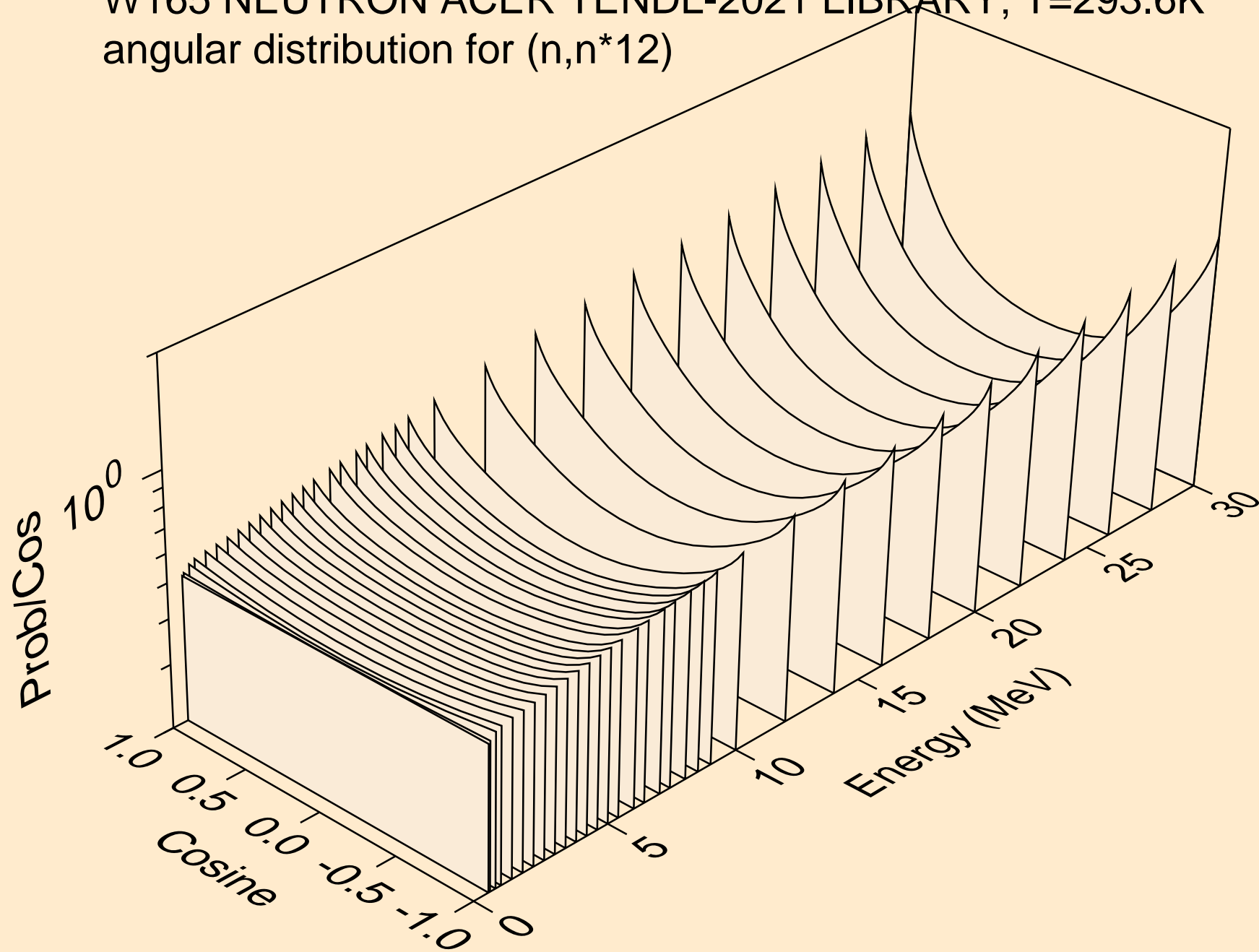
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angular distribution for (n,n\*10)



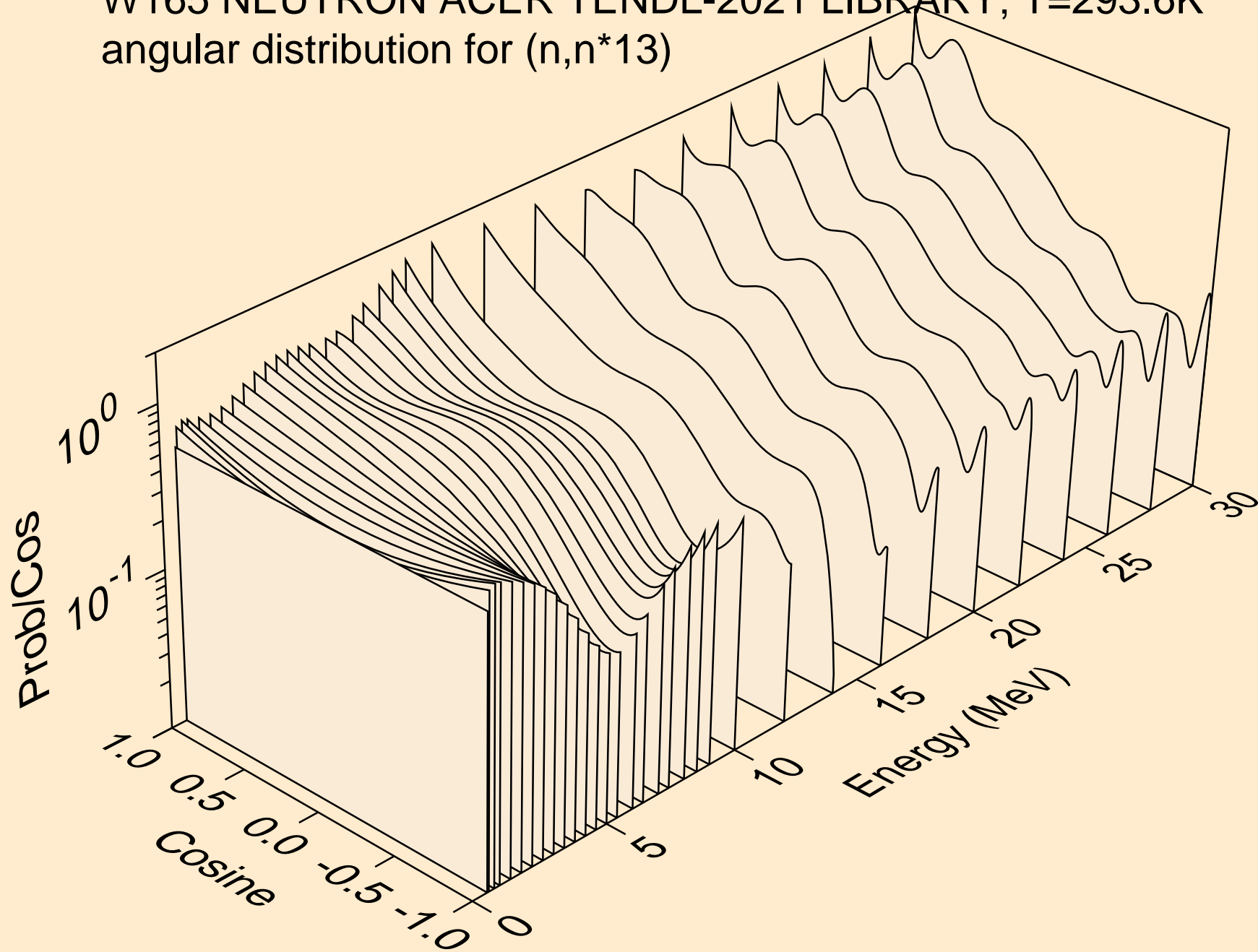
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



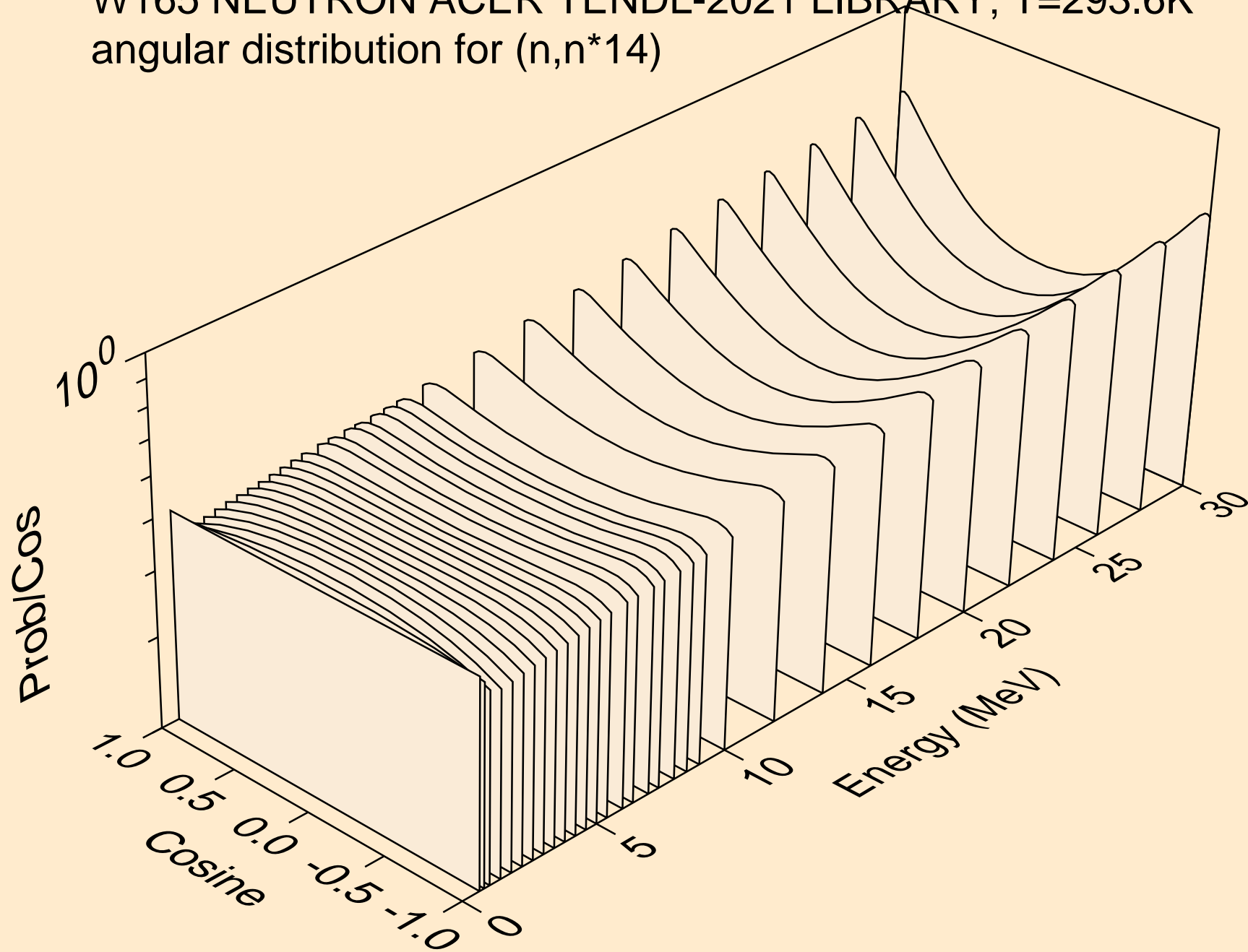
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angular distribution for (n,n\*12)



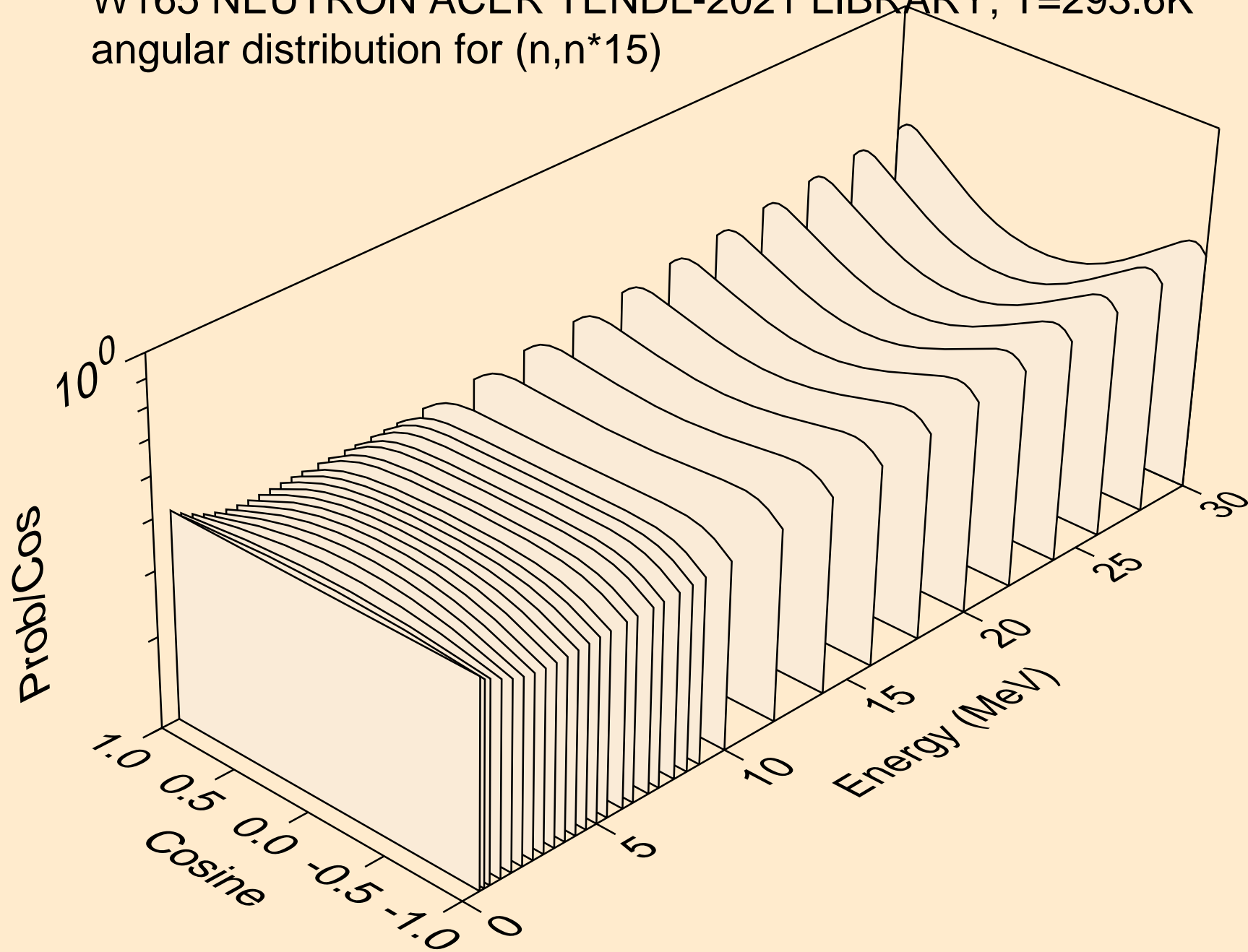
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

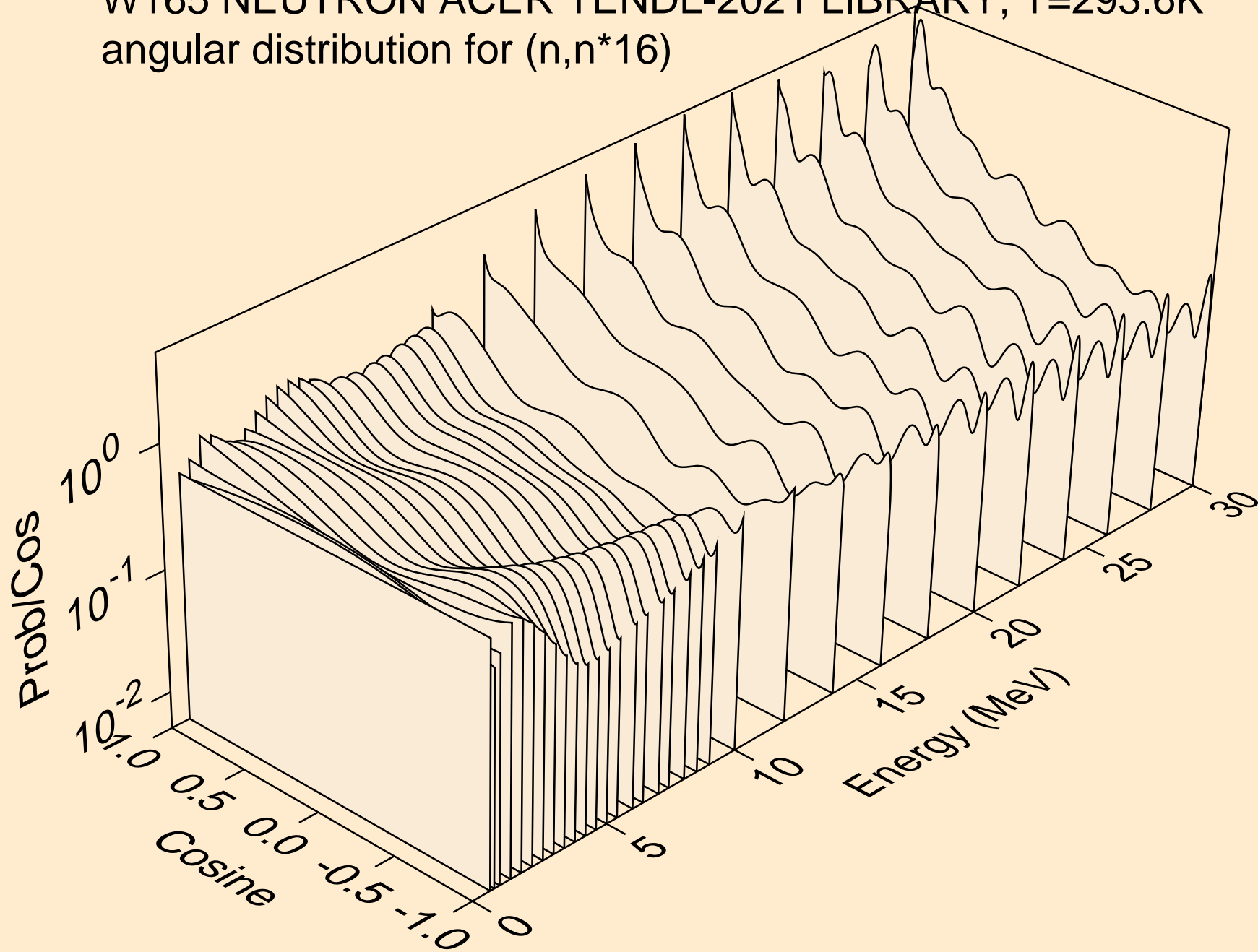


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

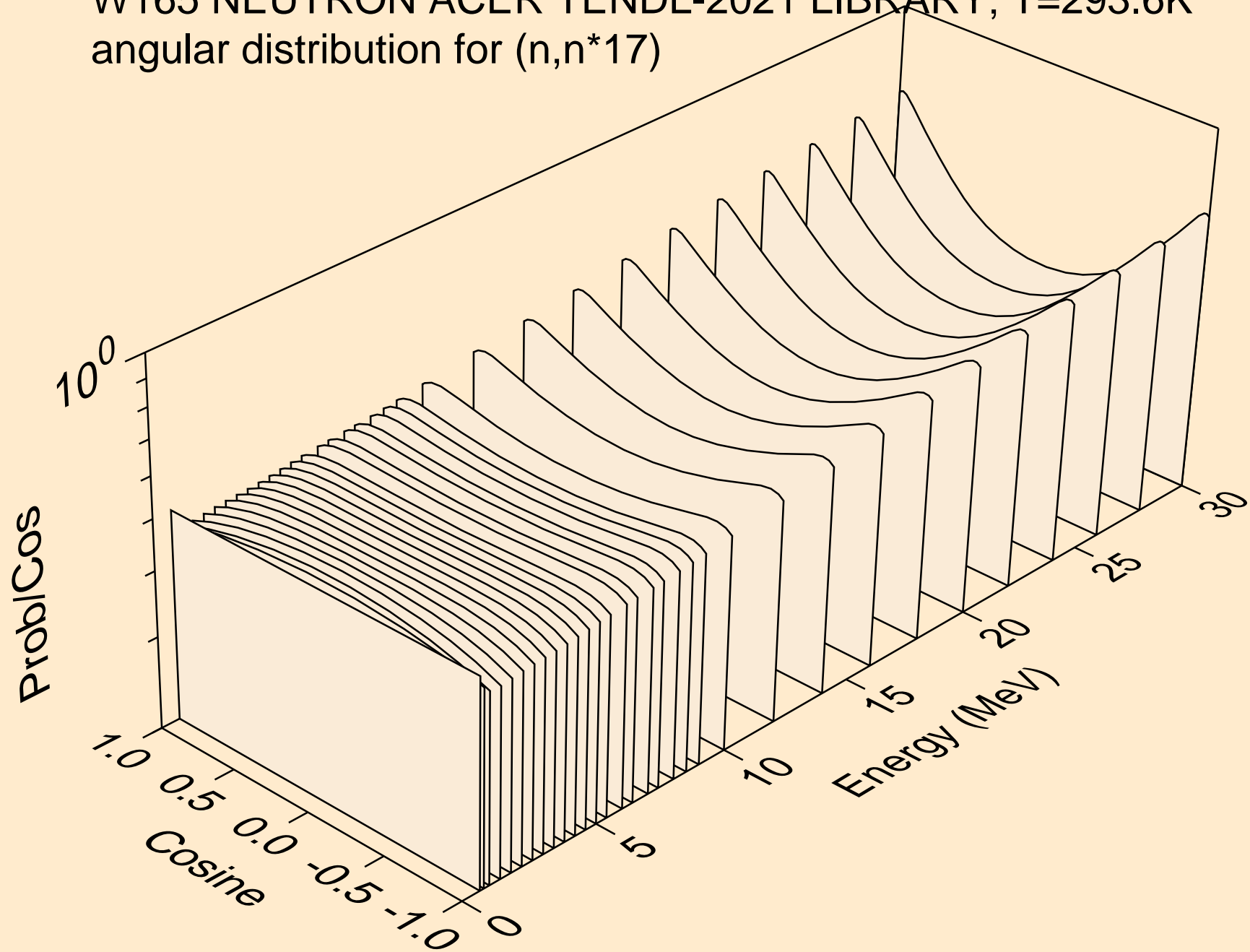




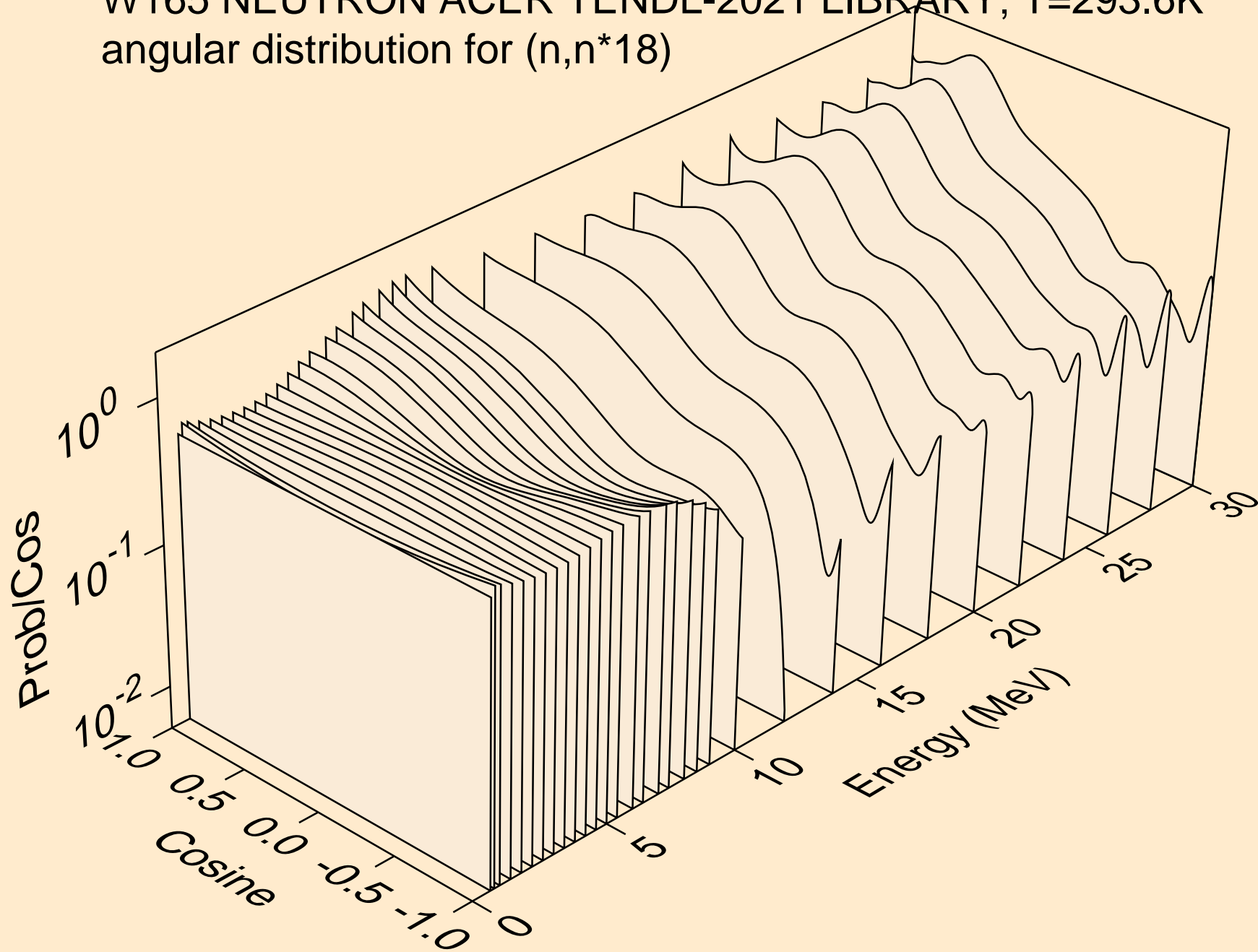
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



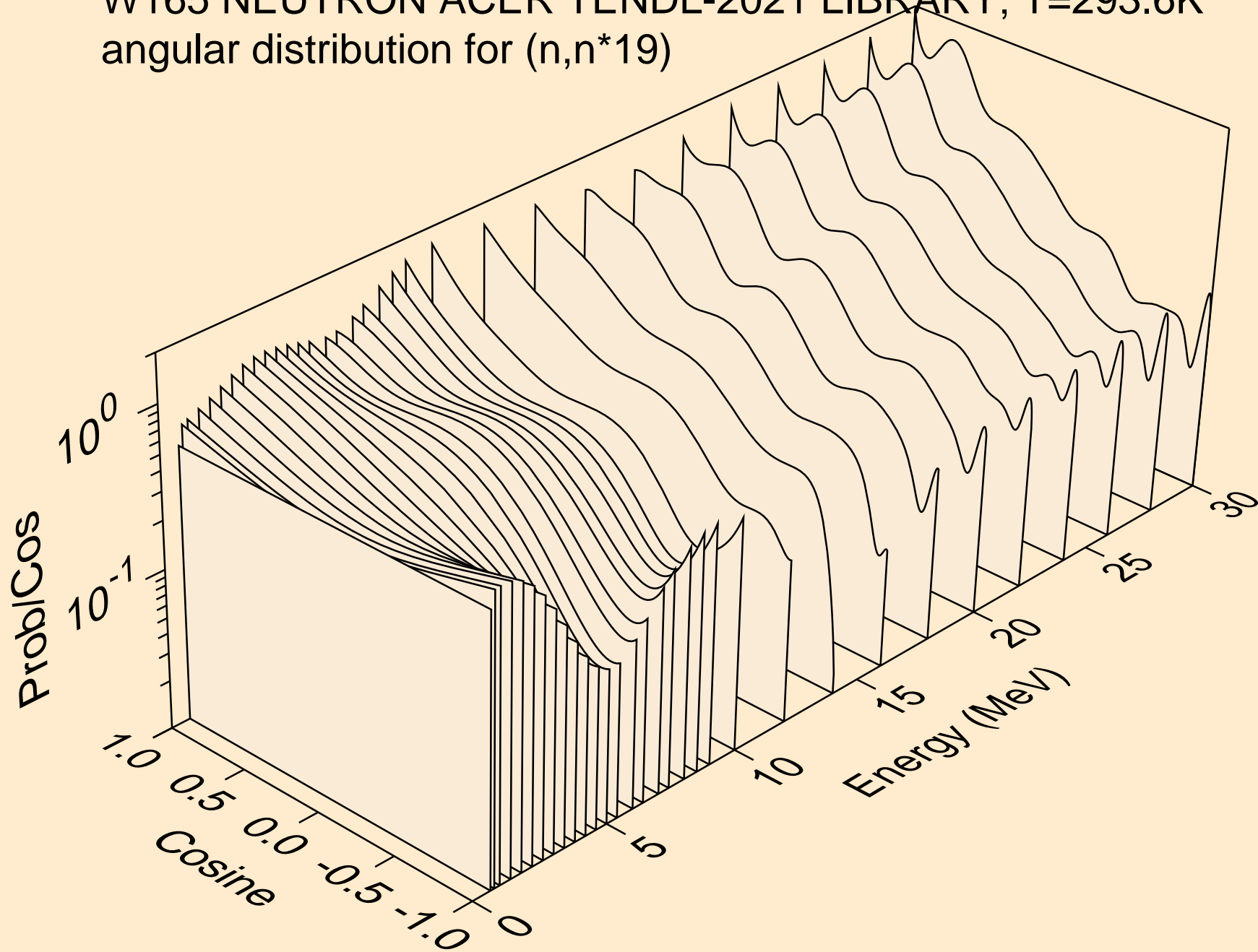
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angular distribution for (n,n\*17)



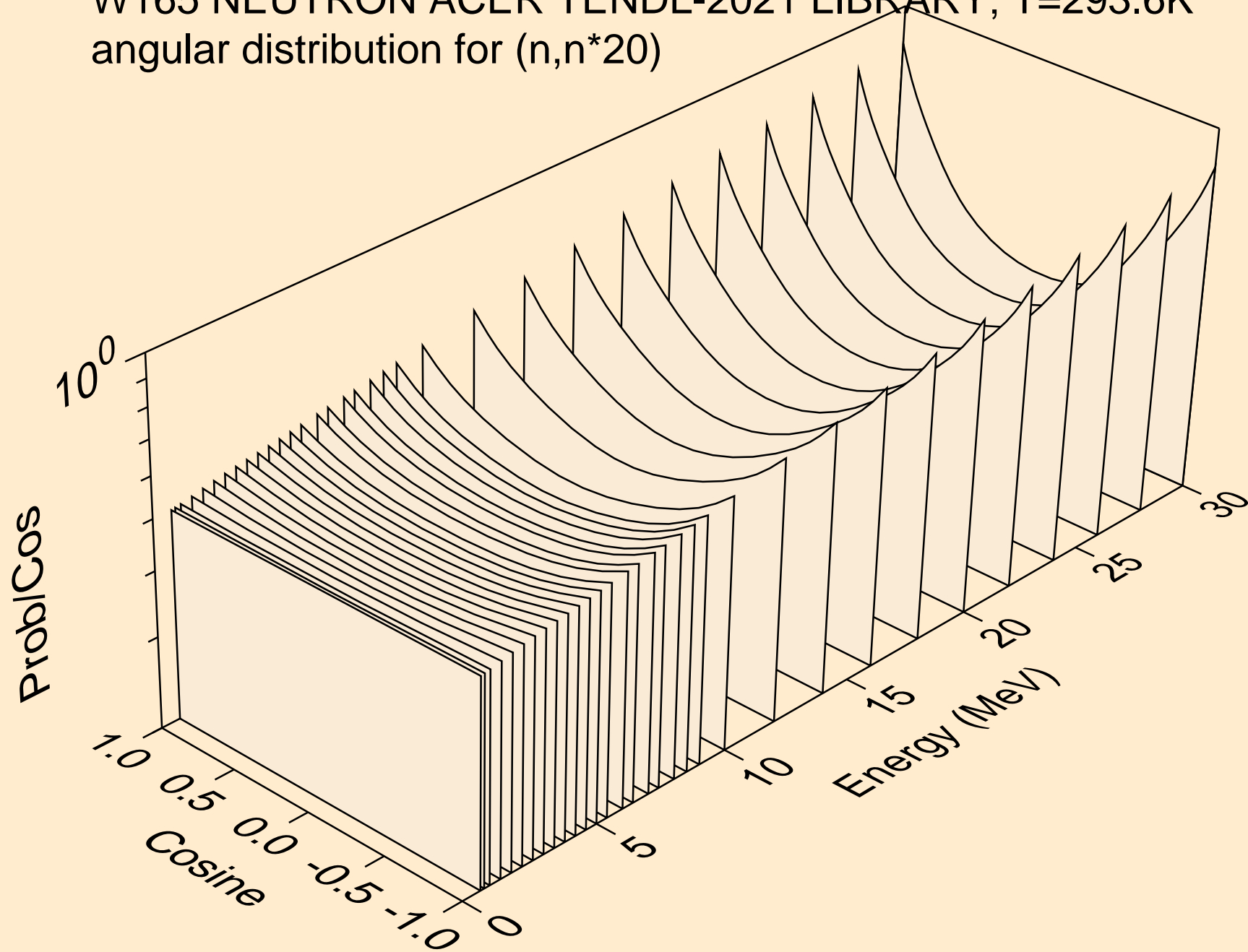
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angular distribution for (n,n\*18)



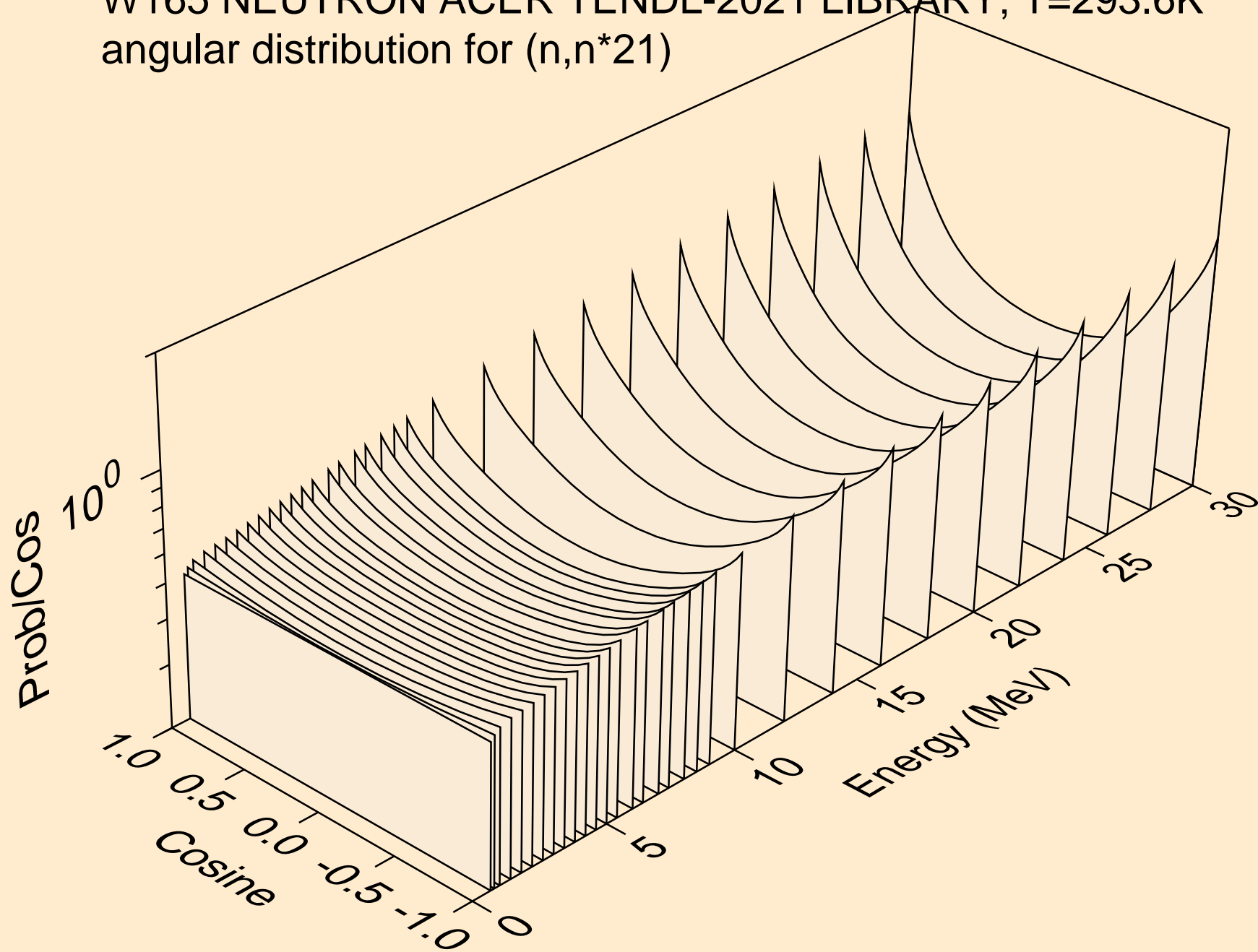
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angular distribution for (n,n\*19)



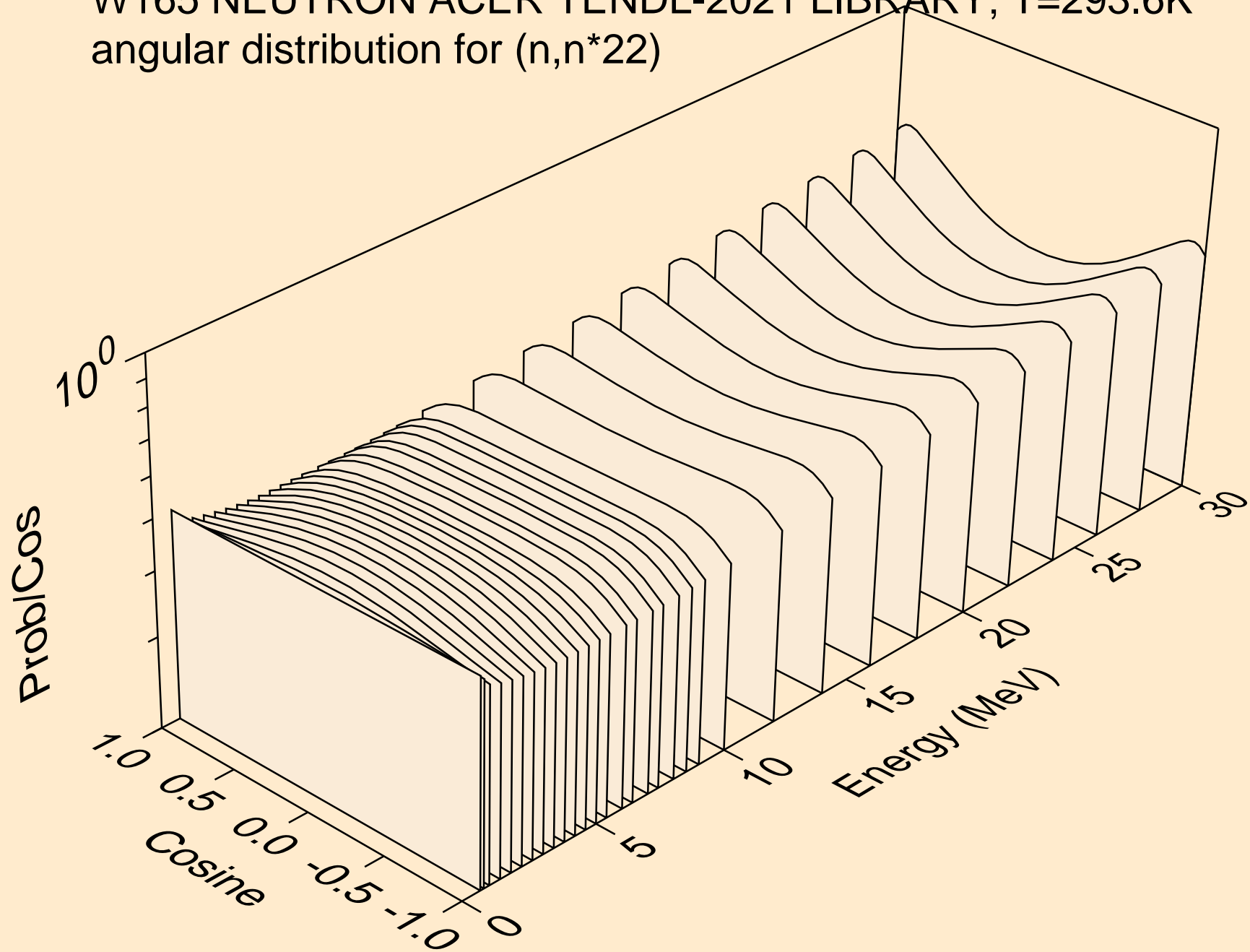
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angular distribution for (n,n\*20)



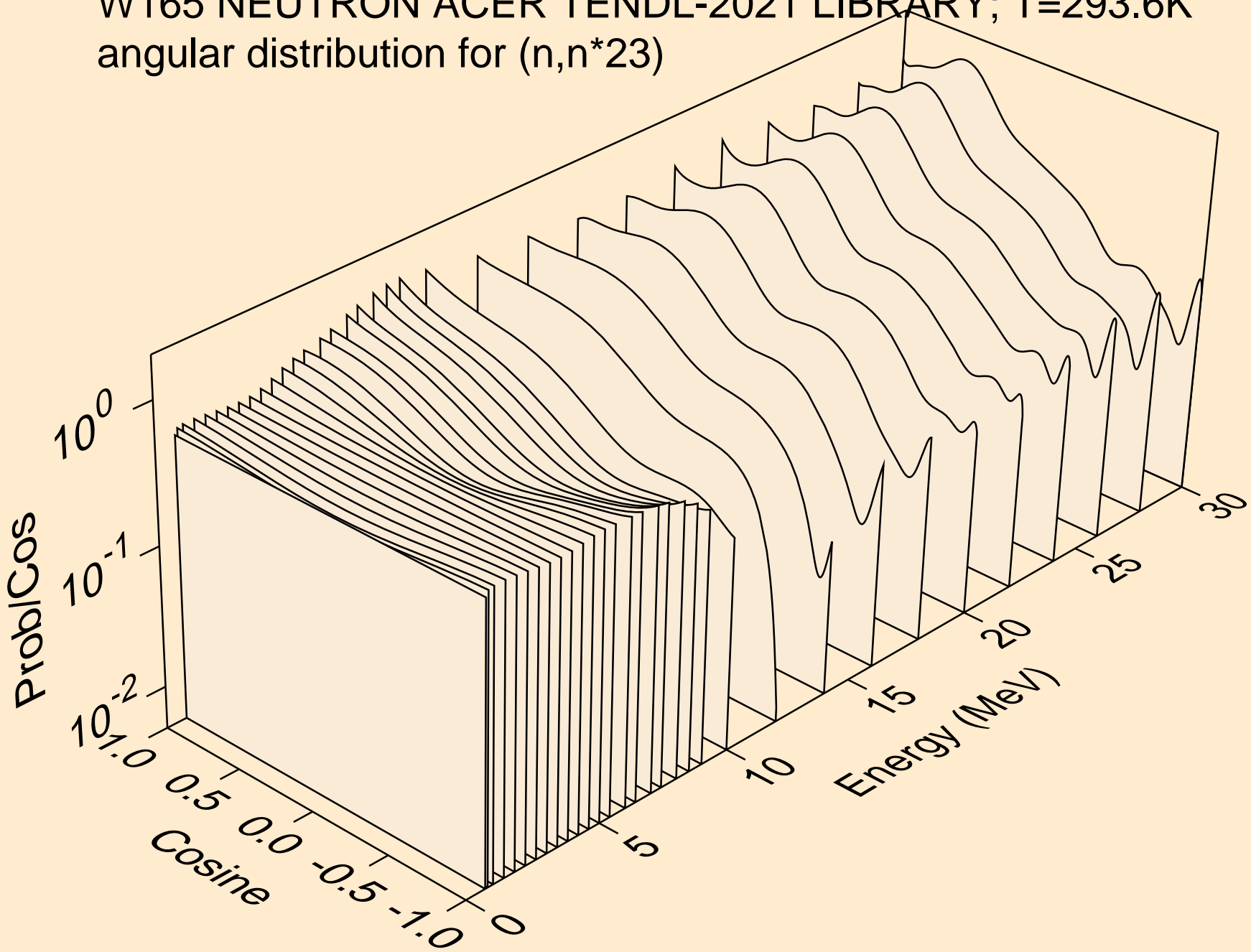
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

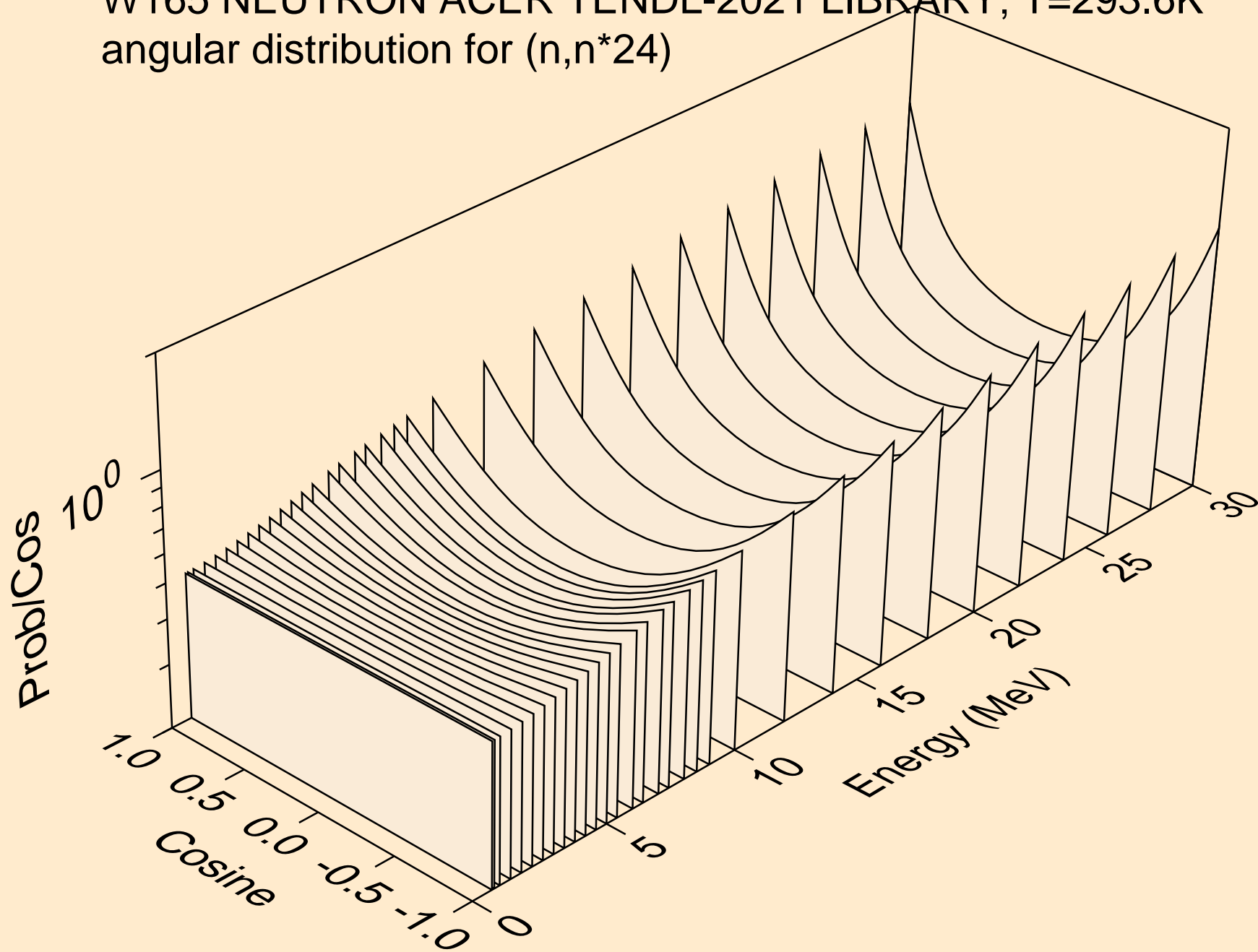


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

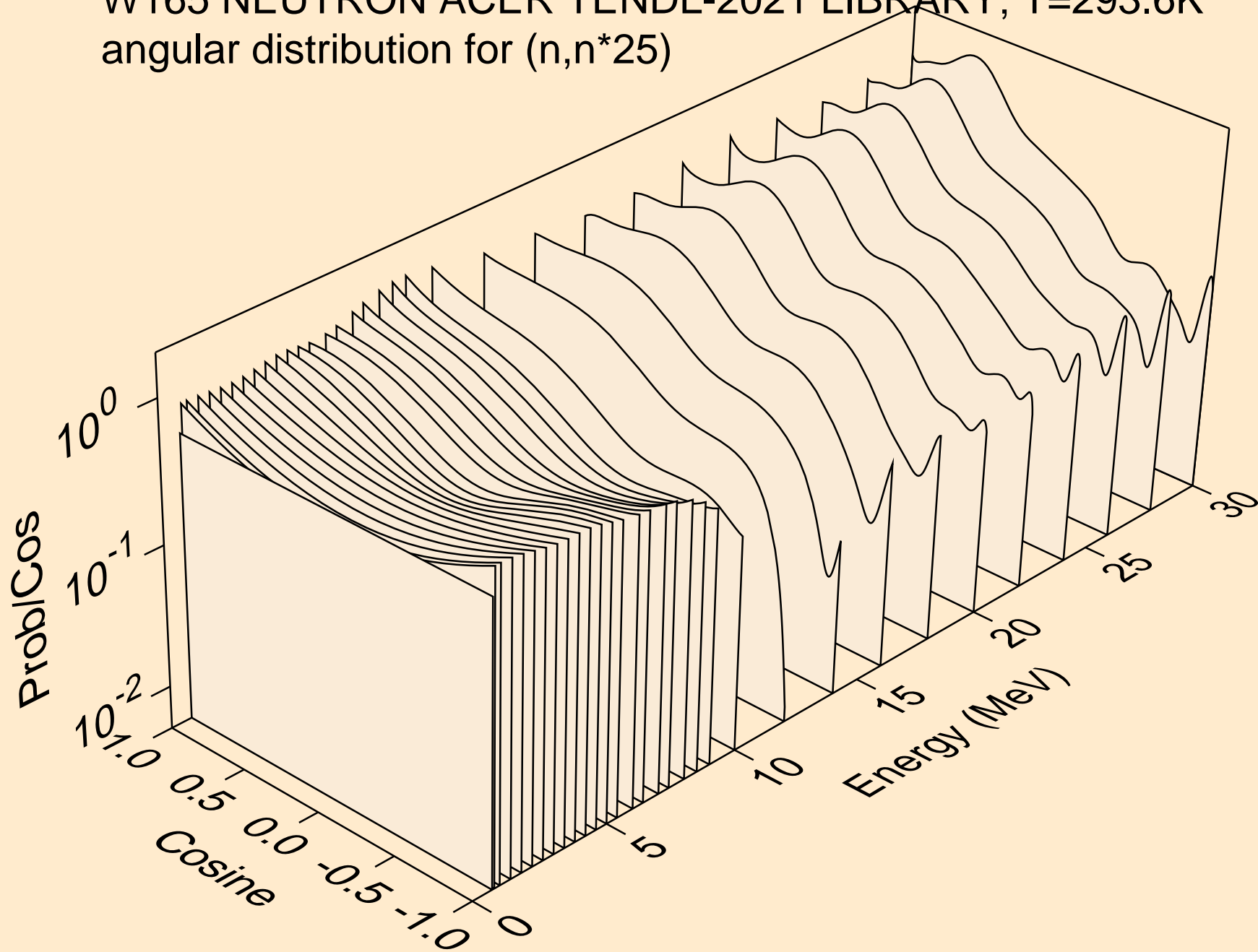




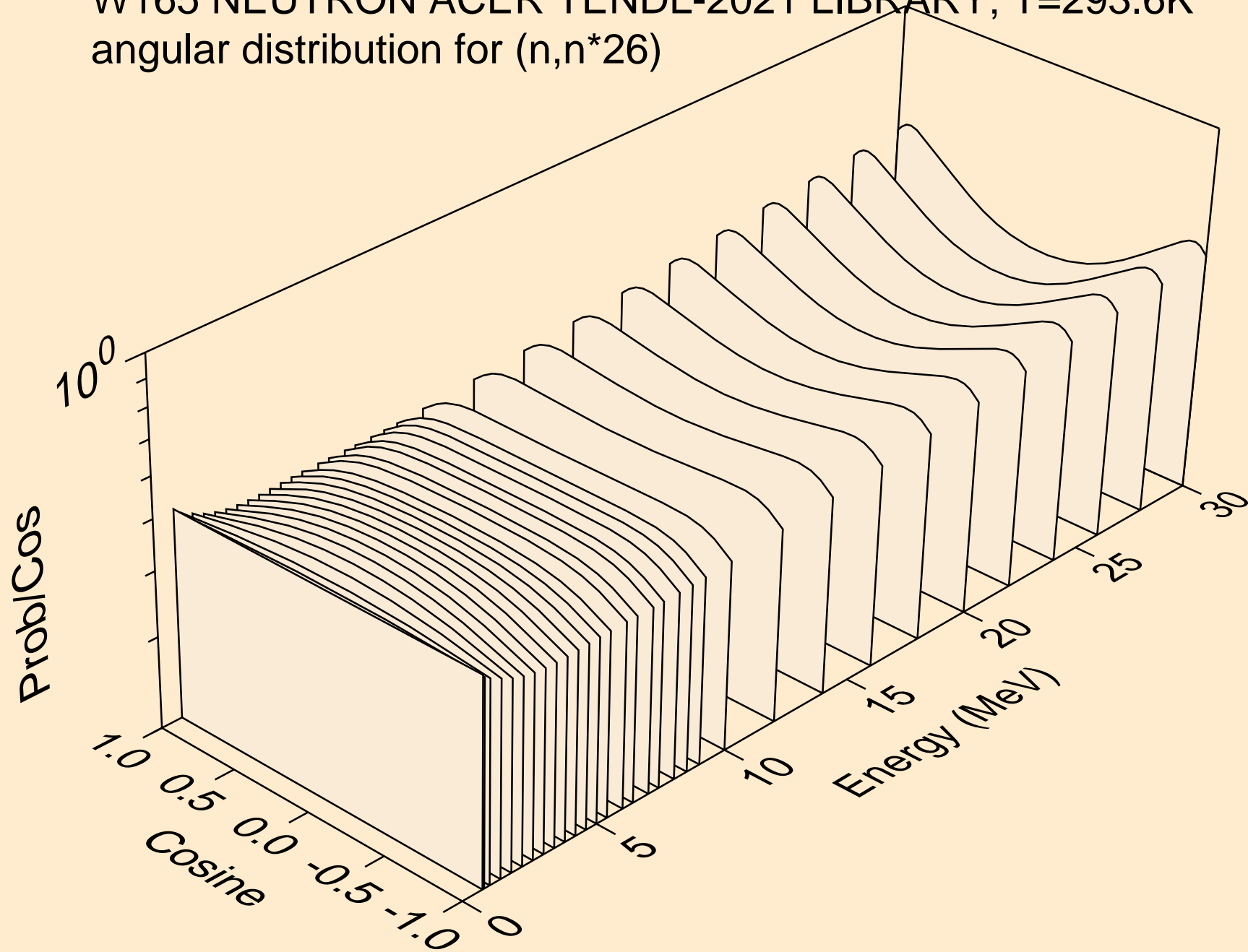
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angular distribution for (n,n\*24)



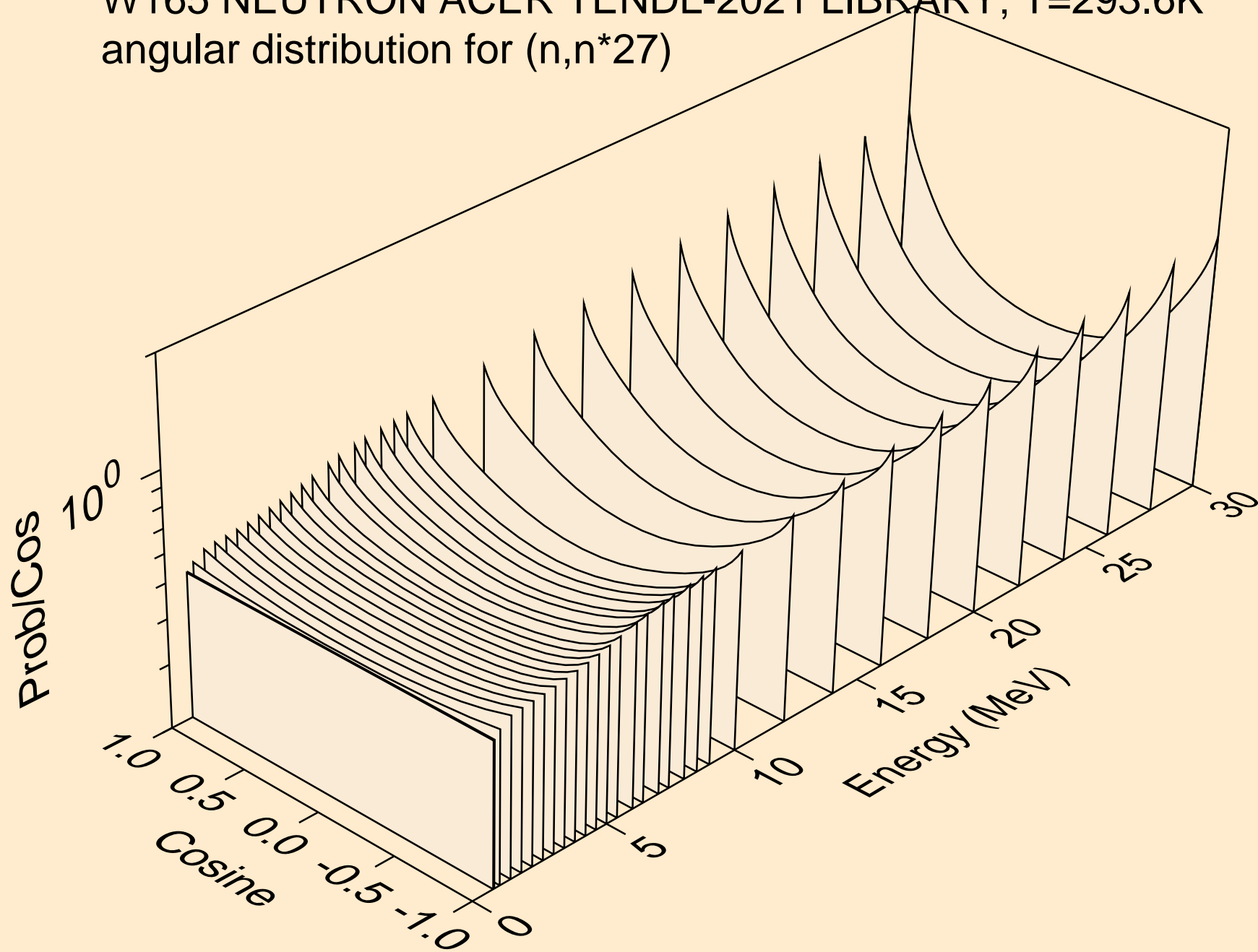
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angular distribution for (n,n\*25)



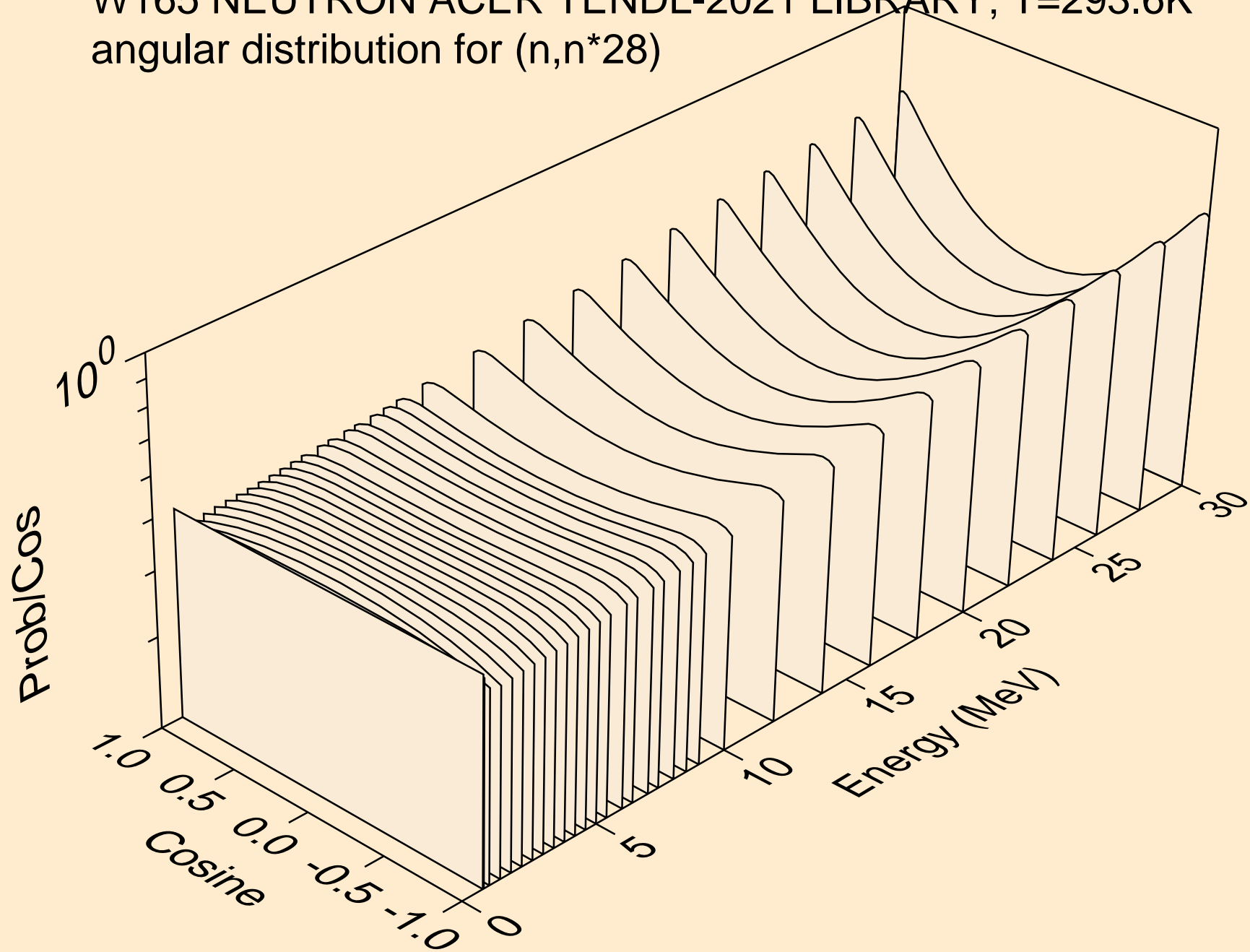
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angular distribution for (n,n\*26)



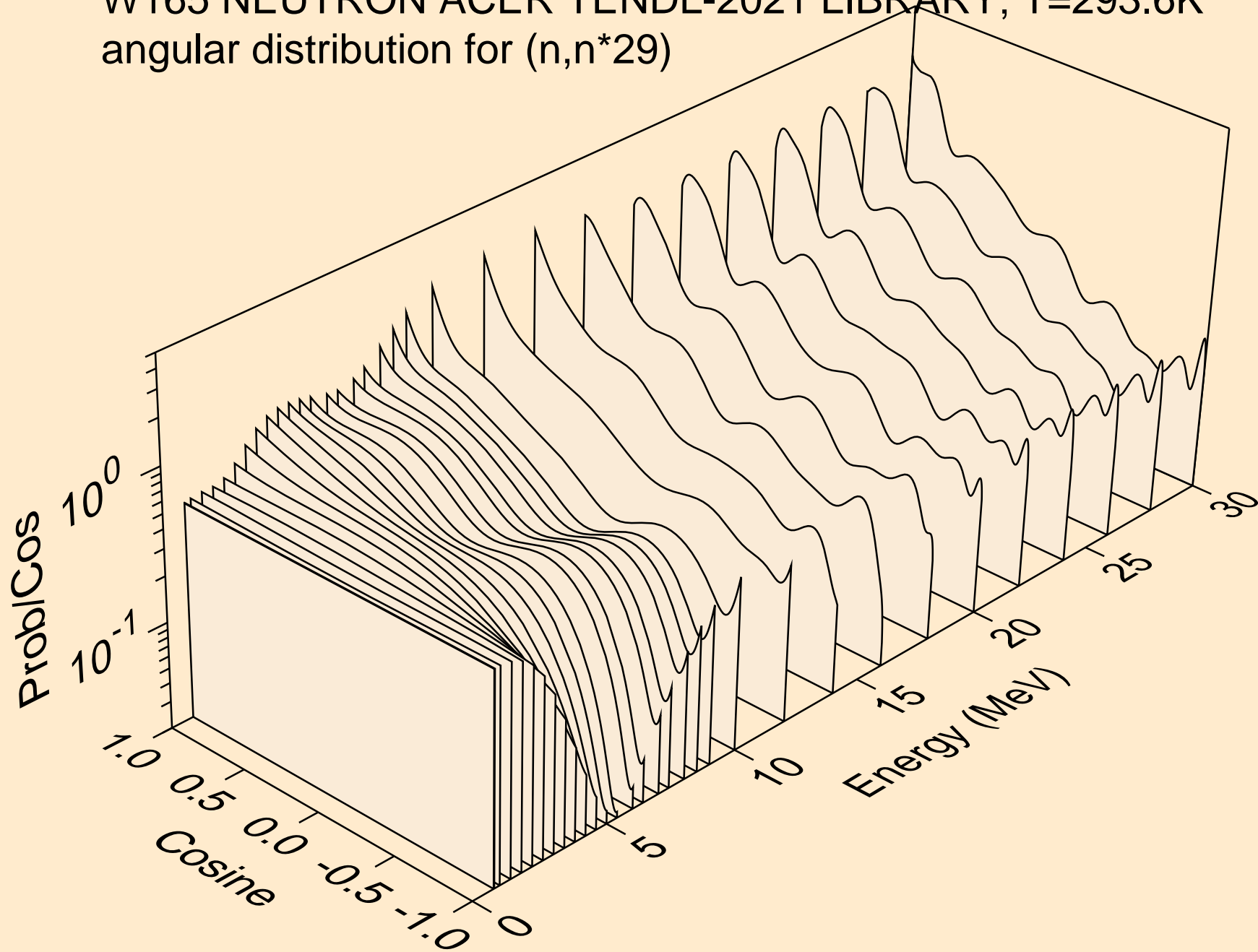
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angular distribution for (n,n\*27)



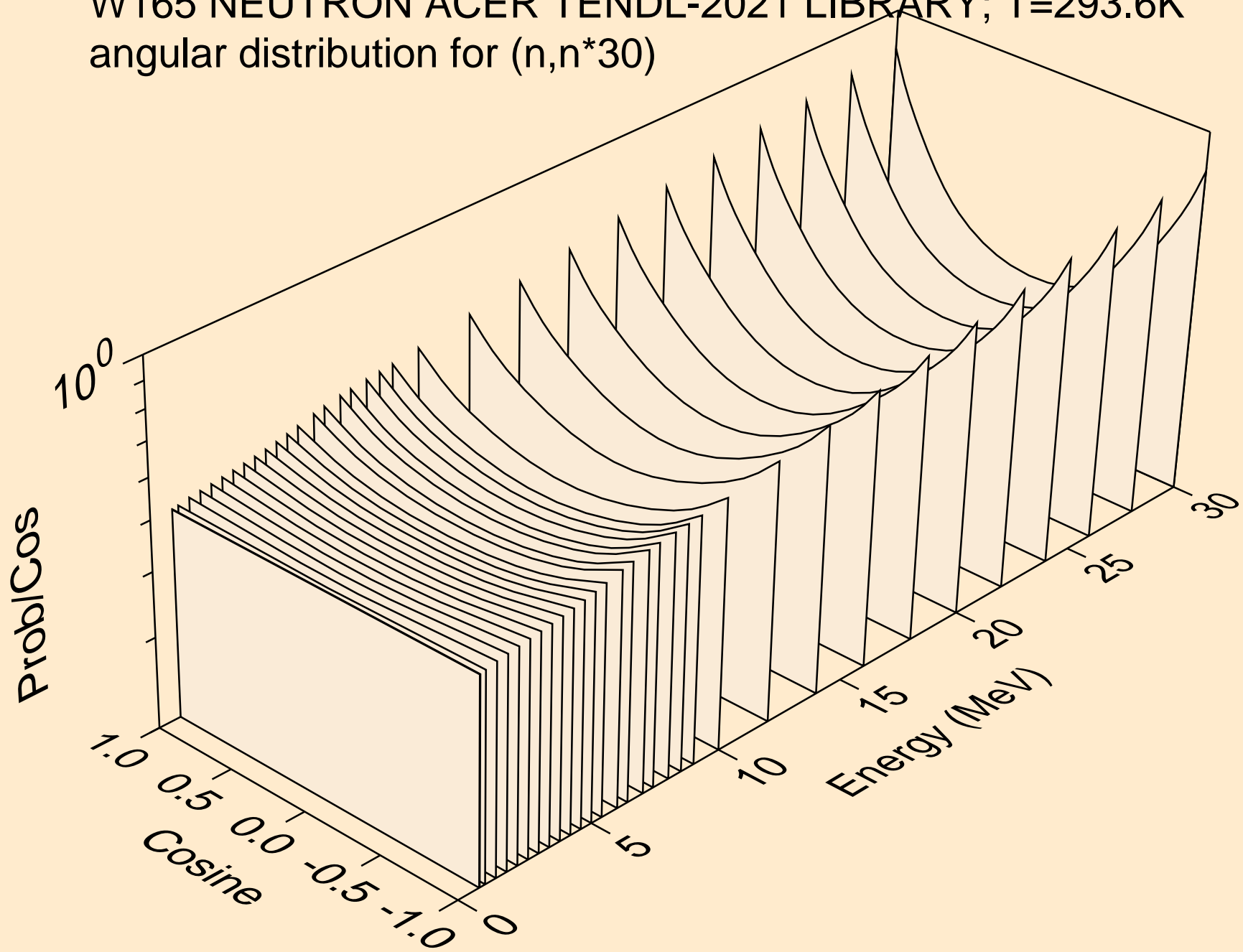
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angular distribution for (n,n\*28)



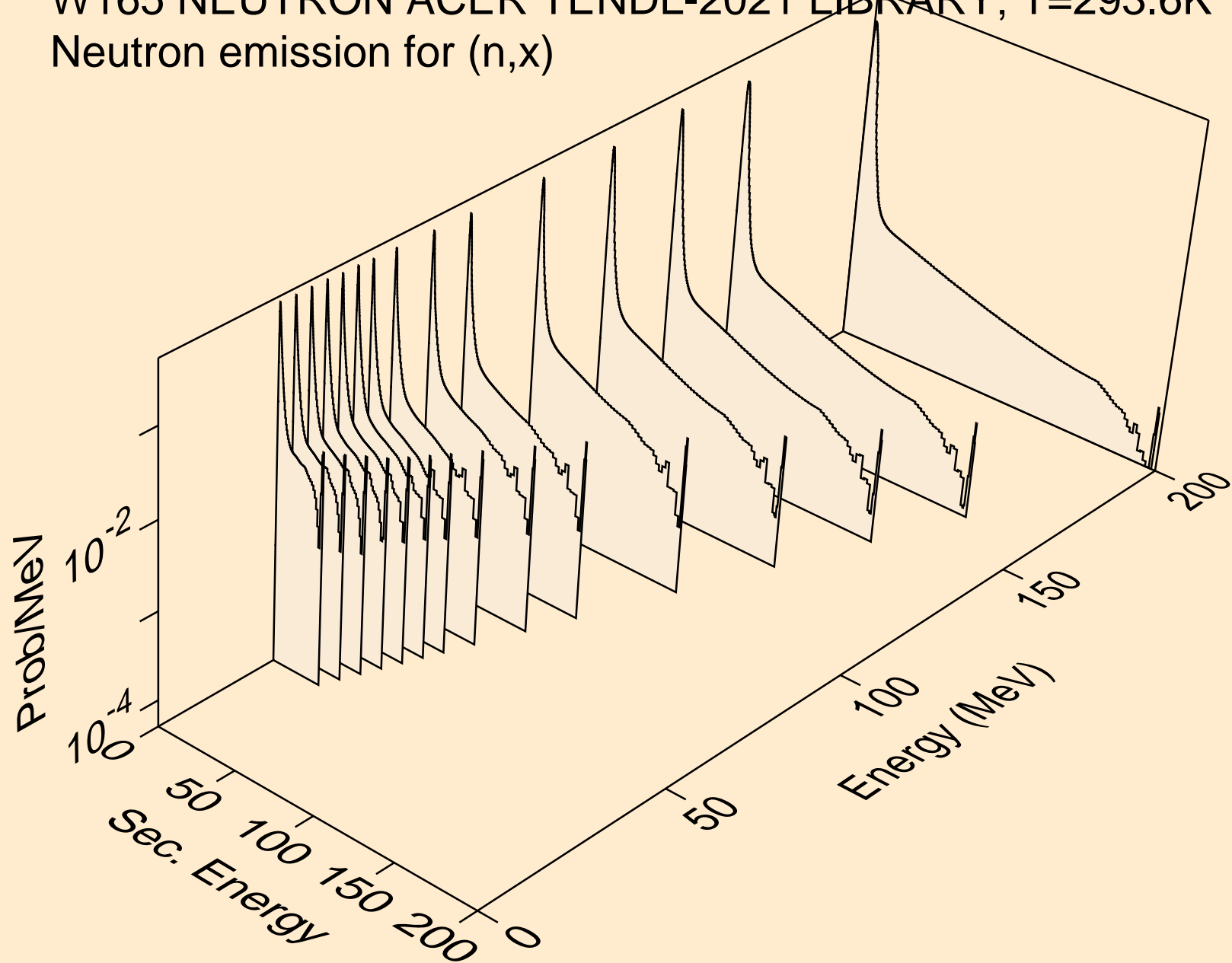
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)

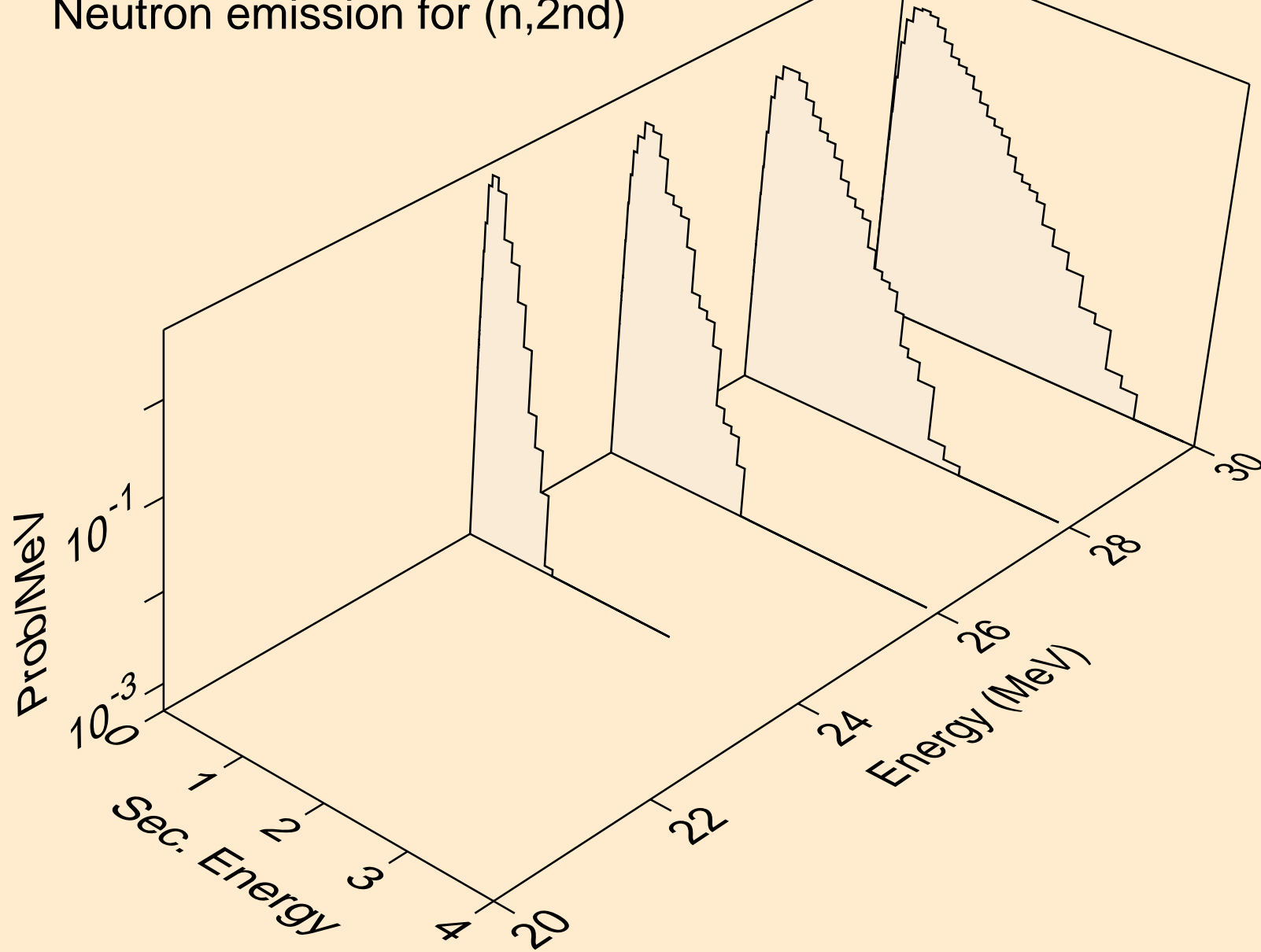


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

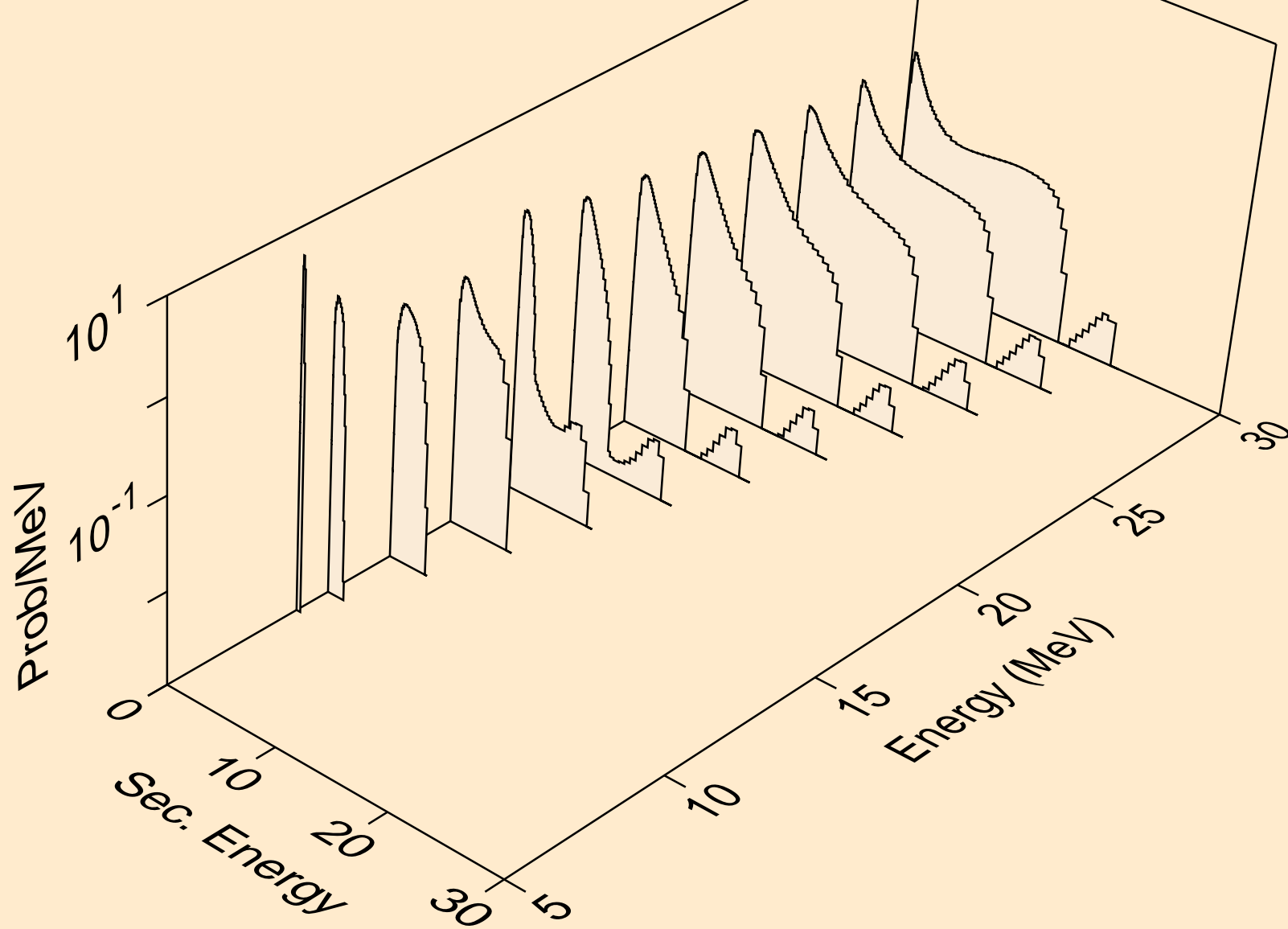




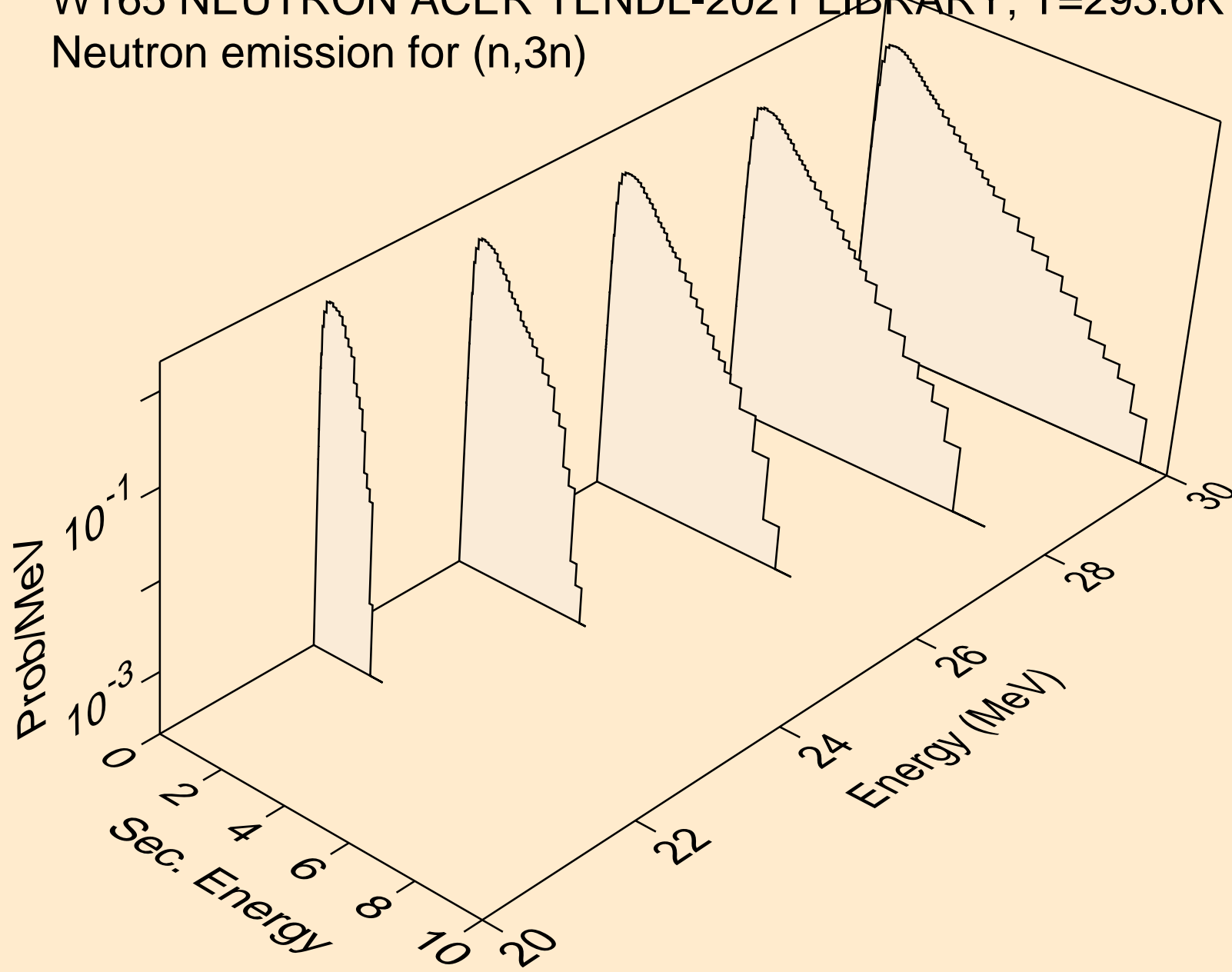
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



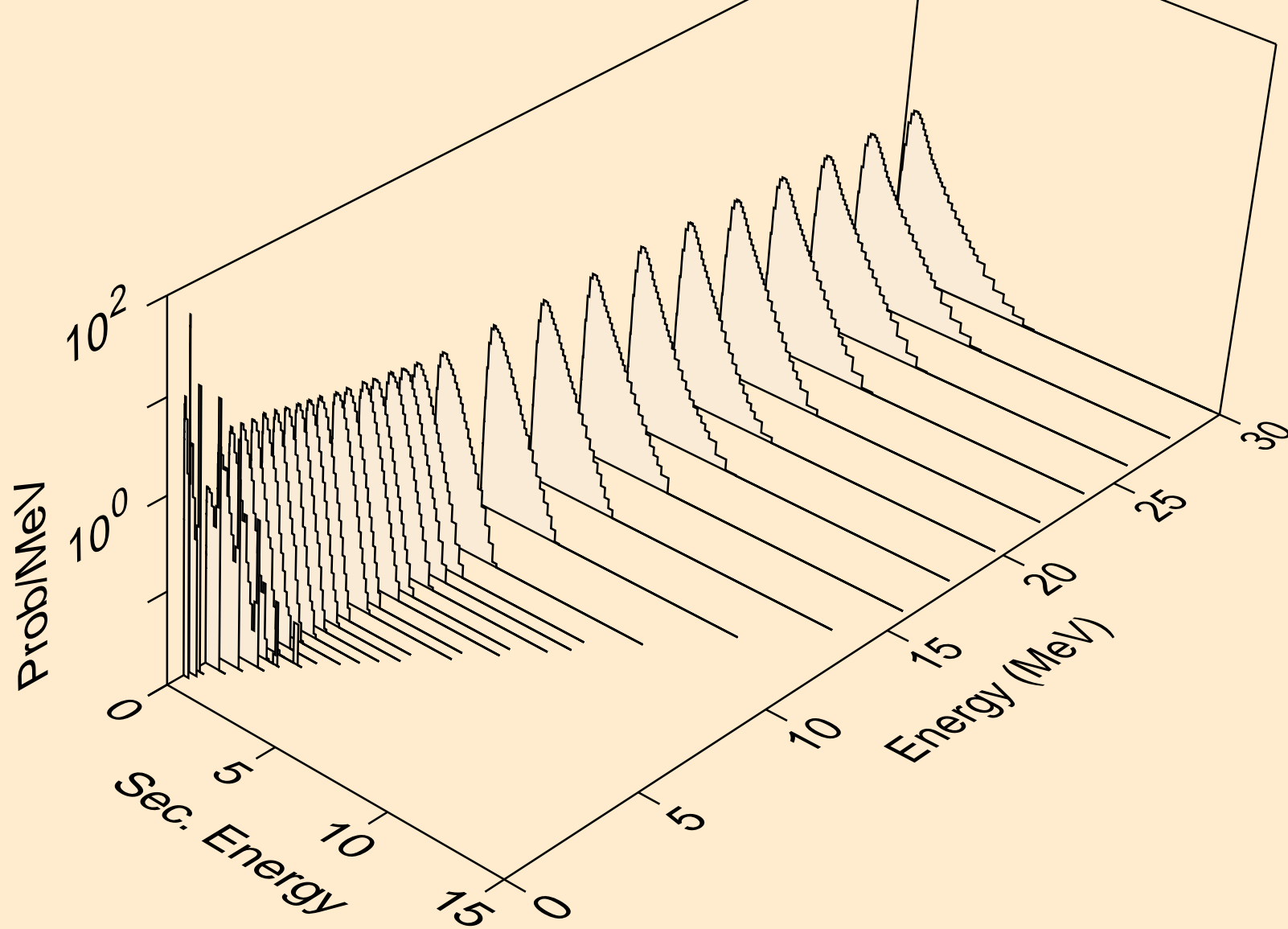
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



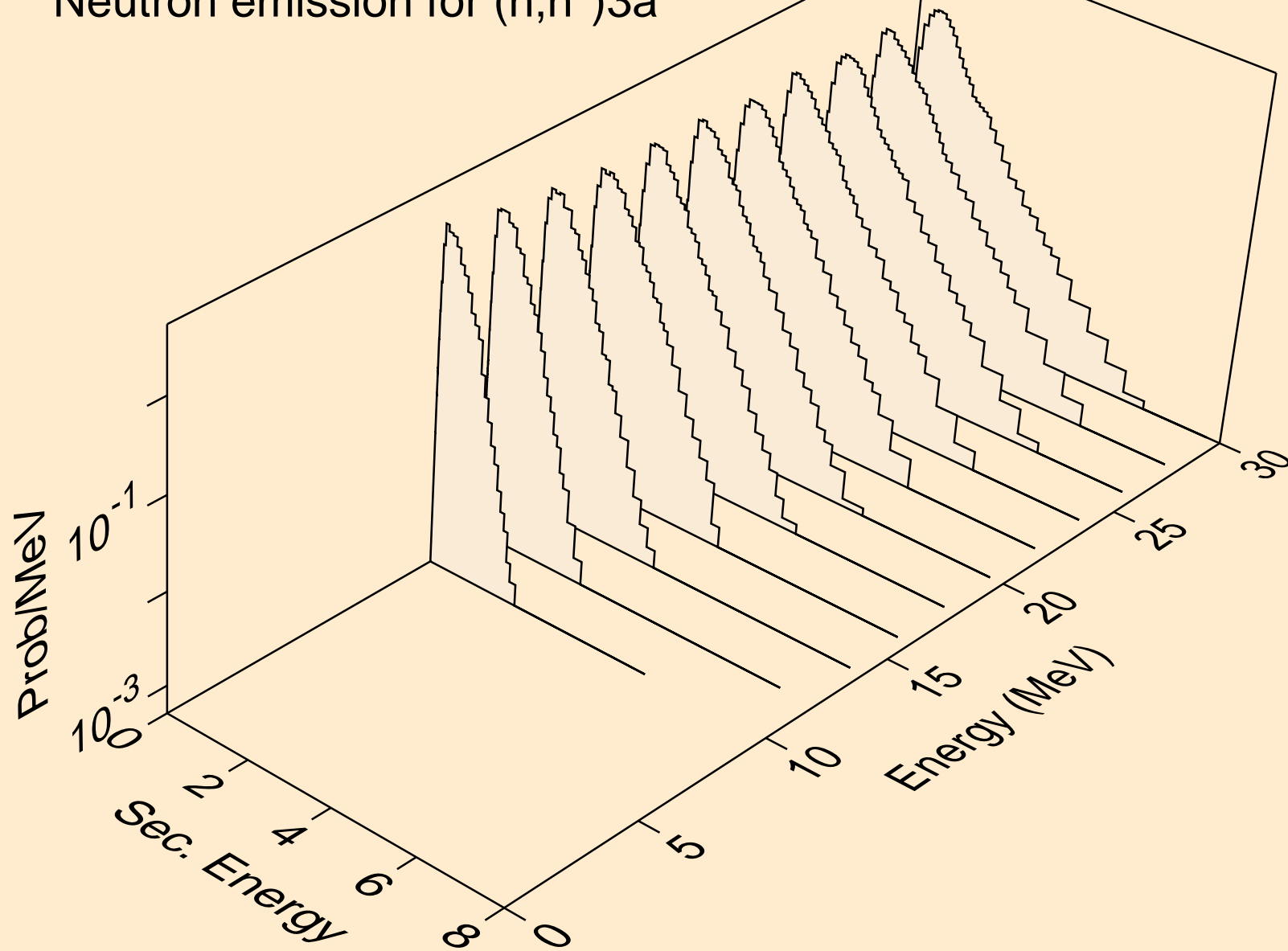
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



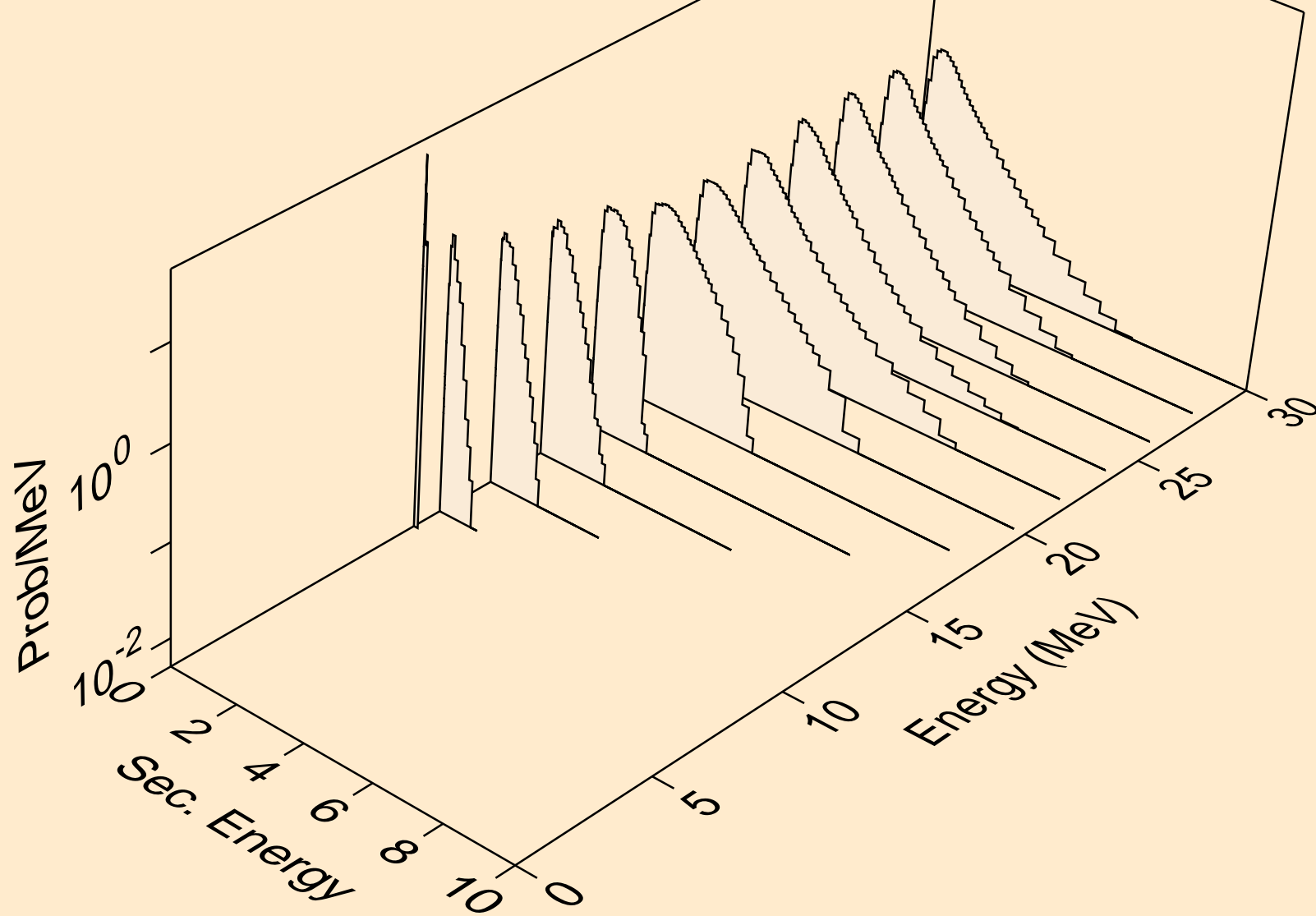
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



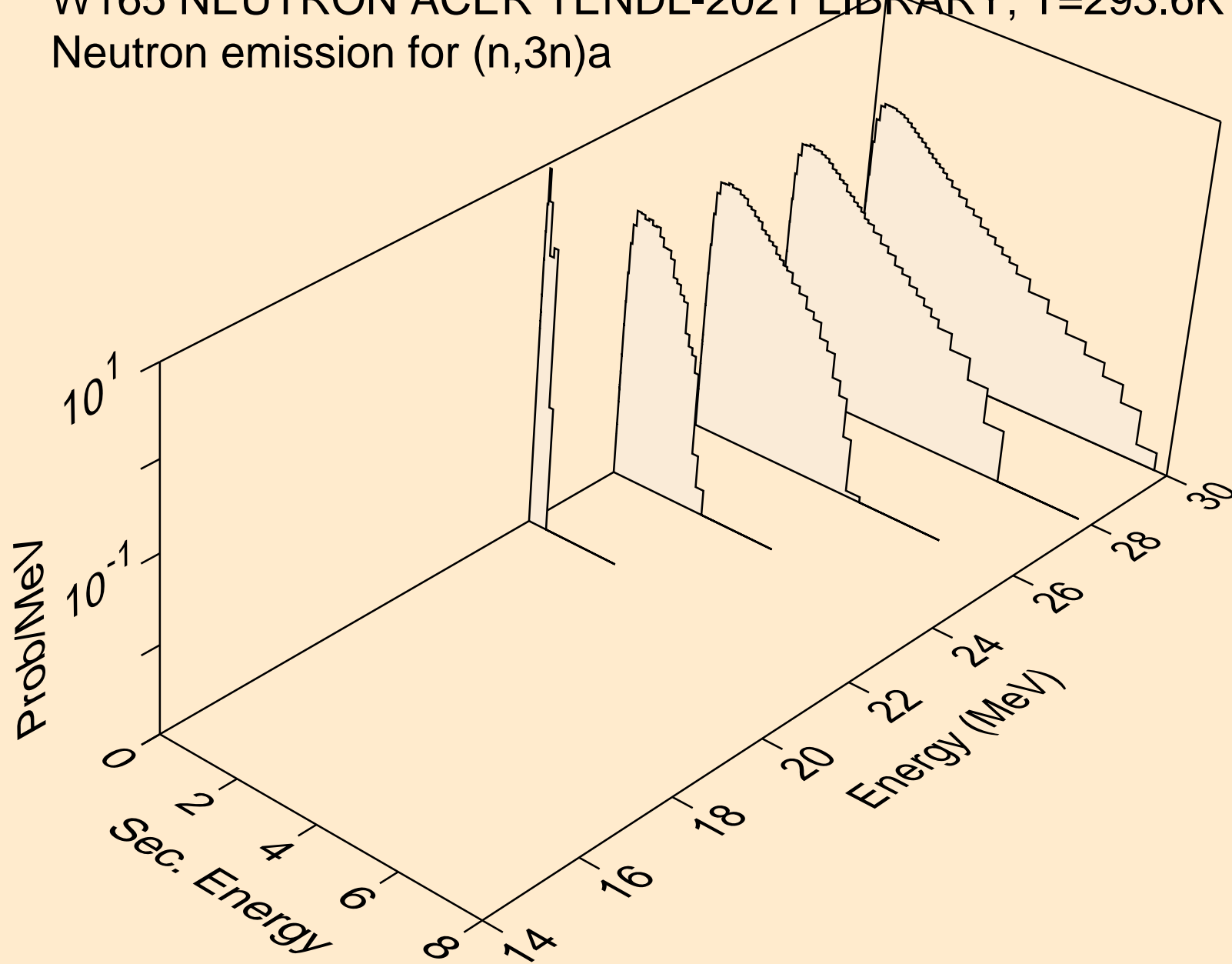
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



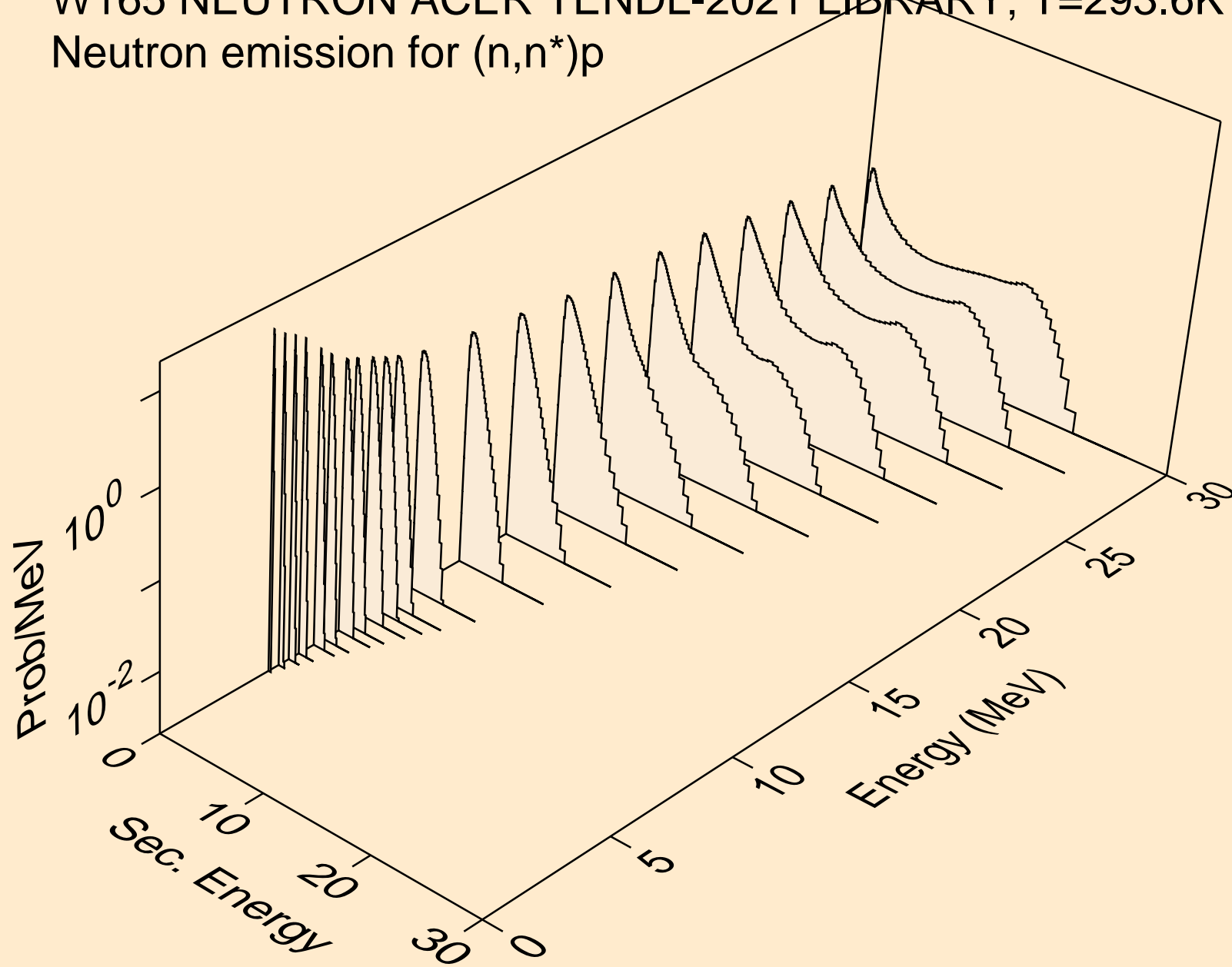
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

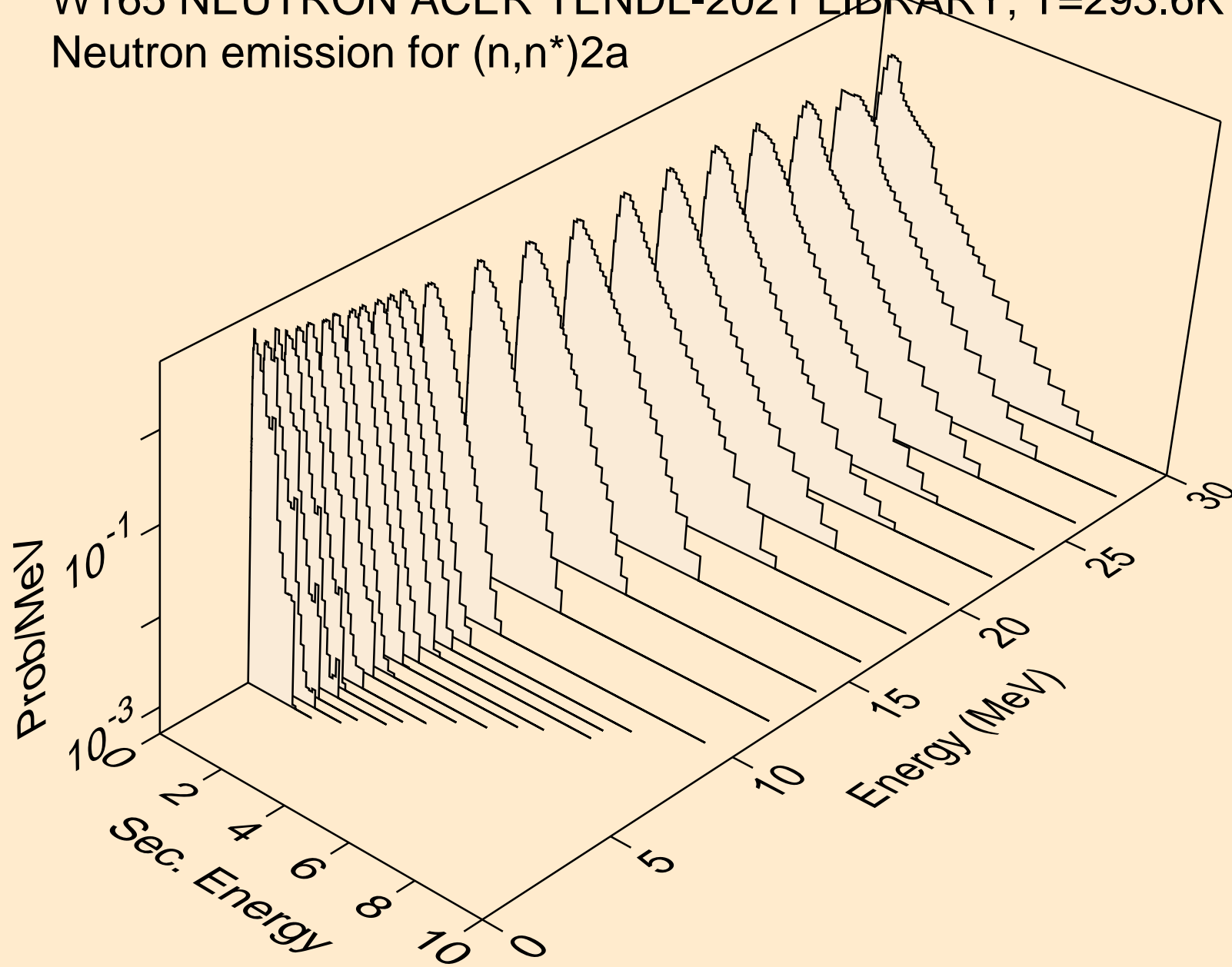


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

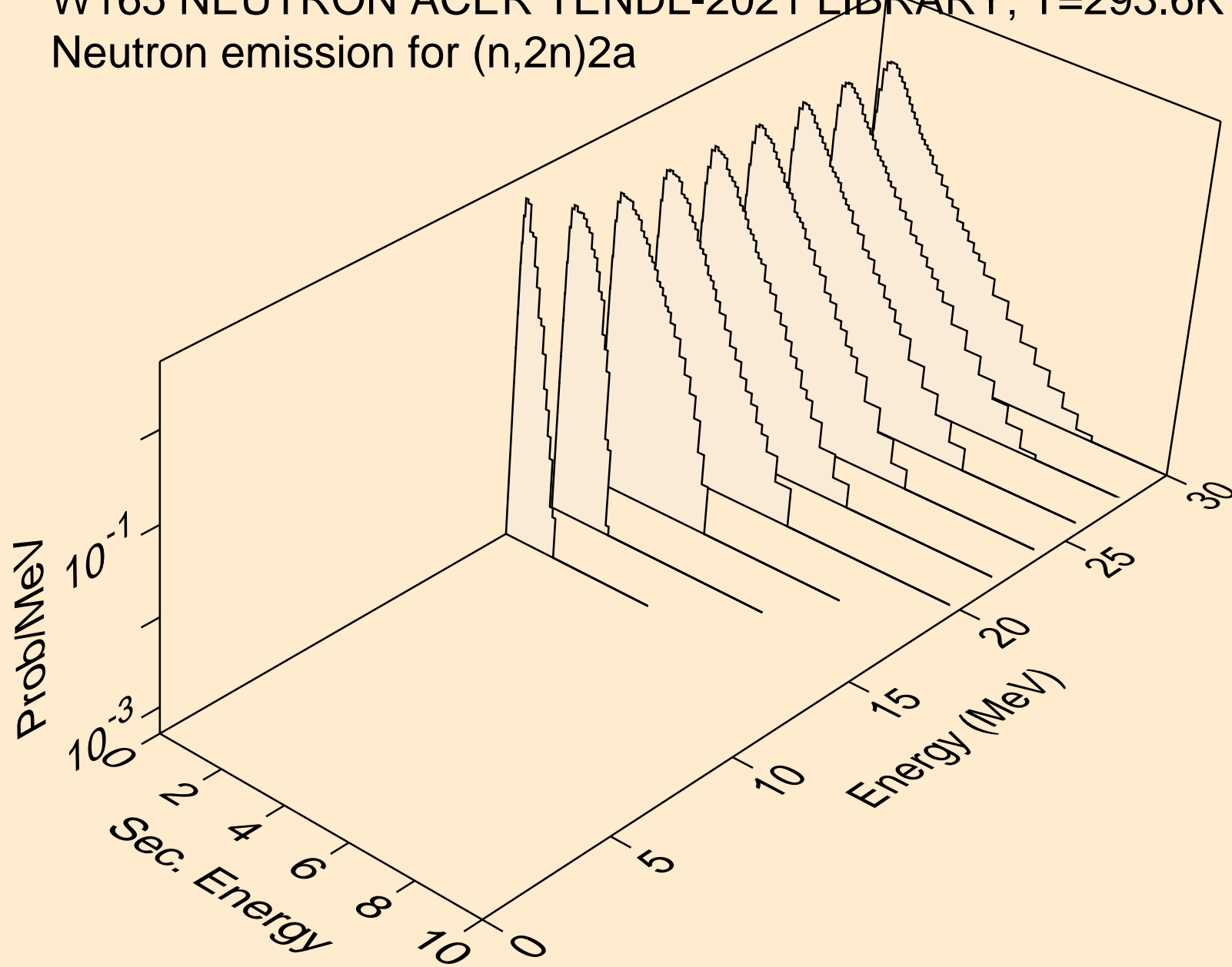




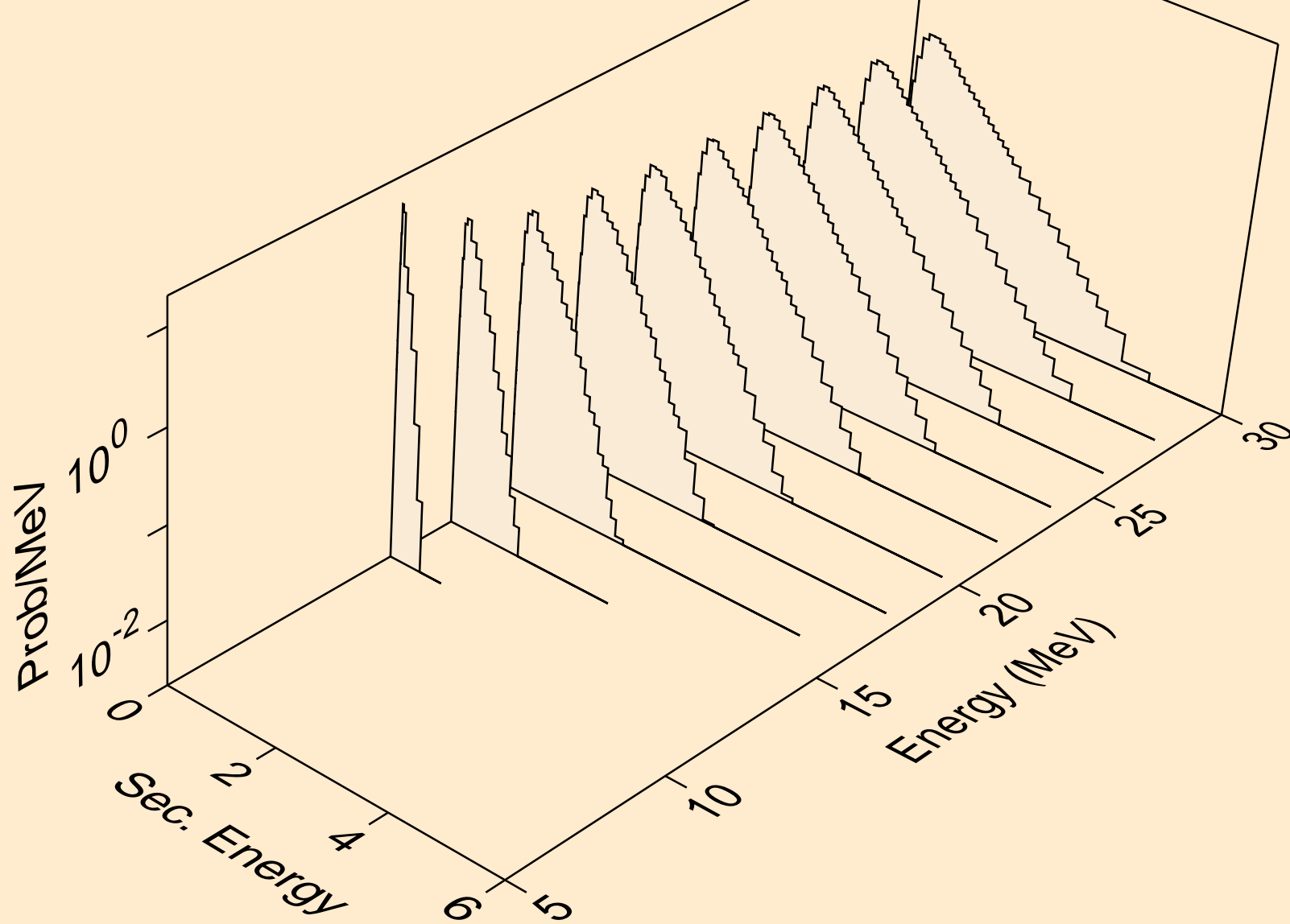
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



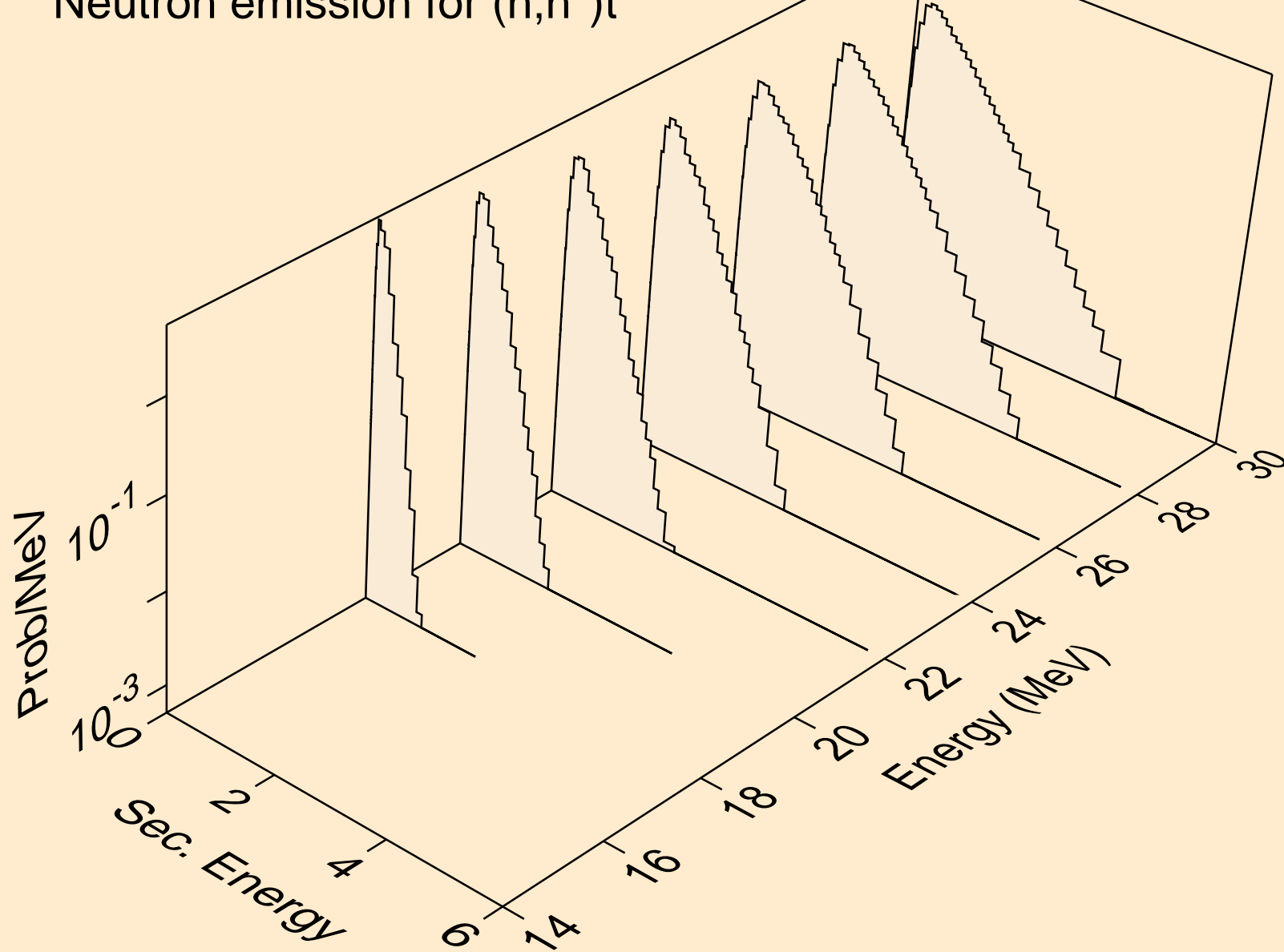
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



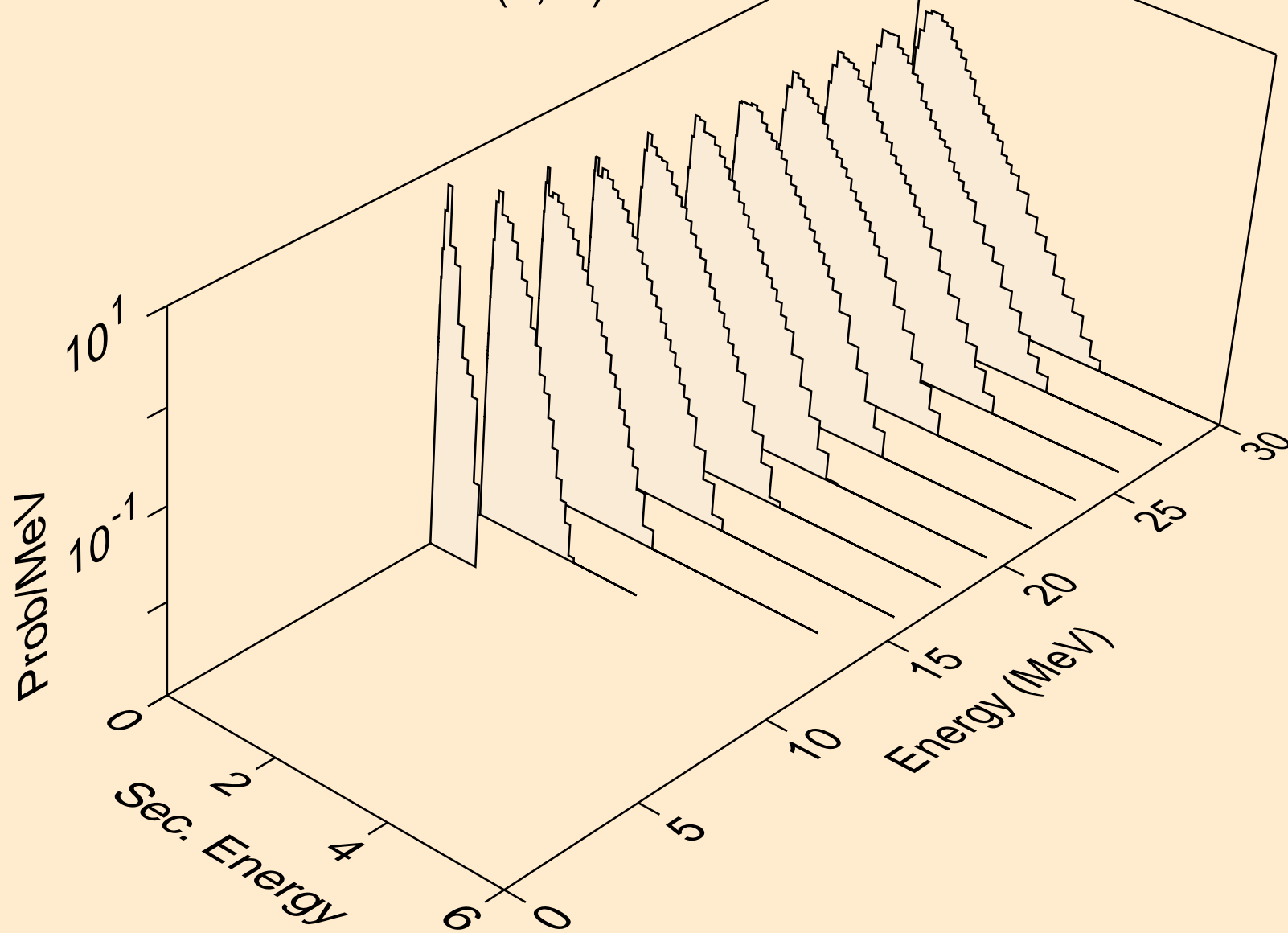
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



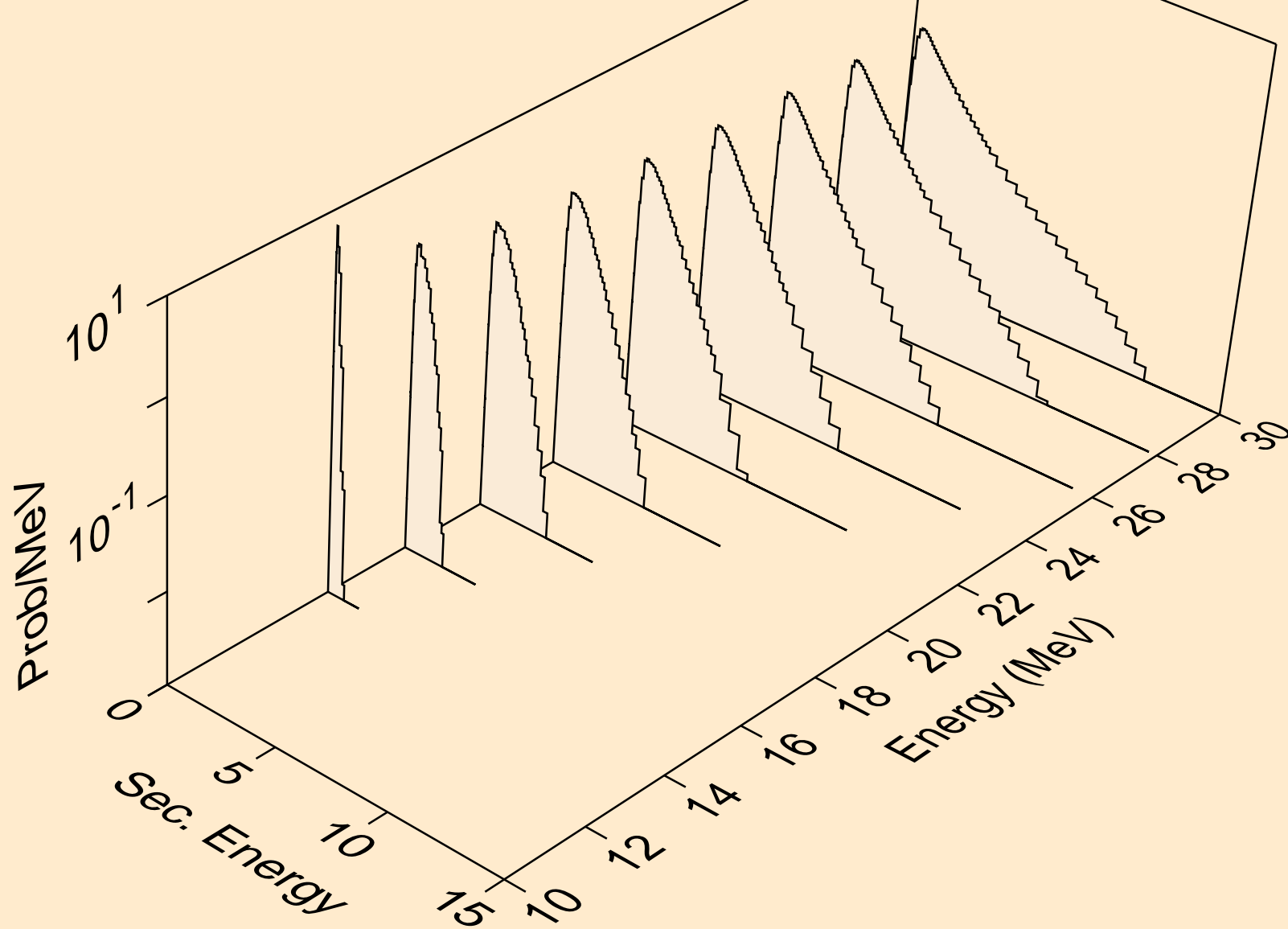
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



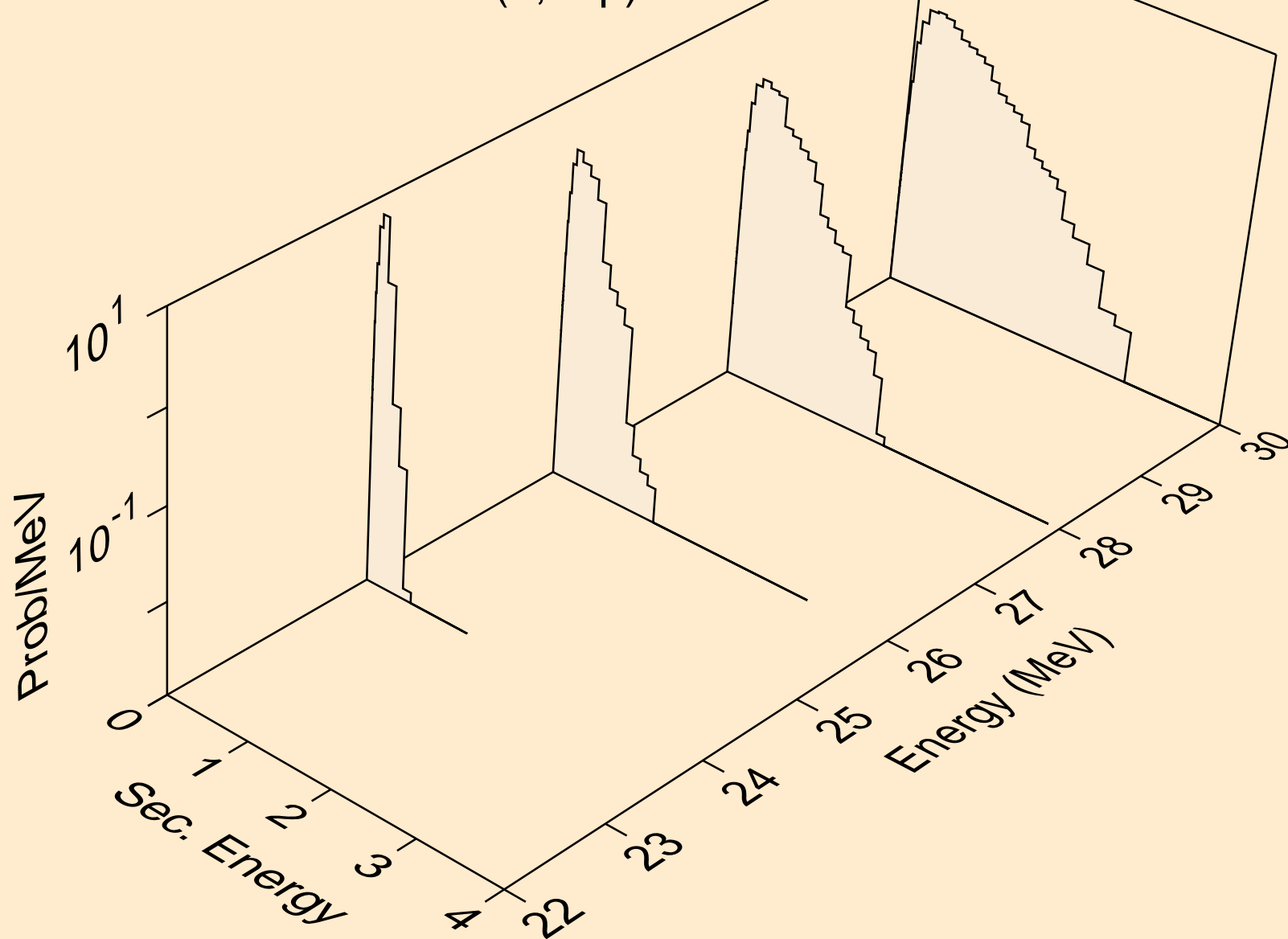
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



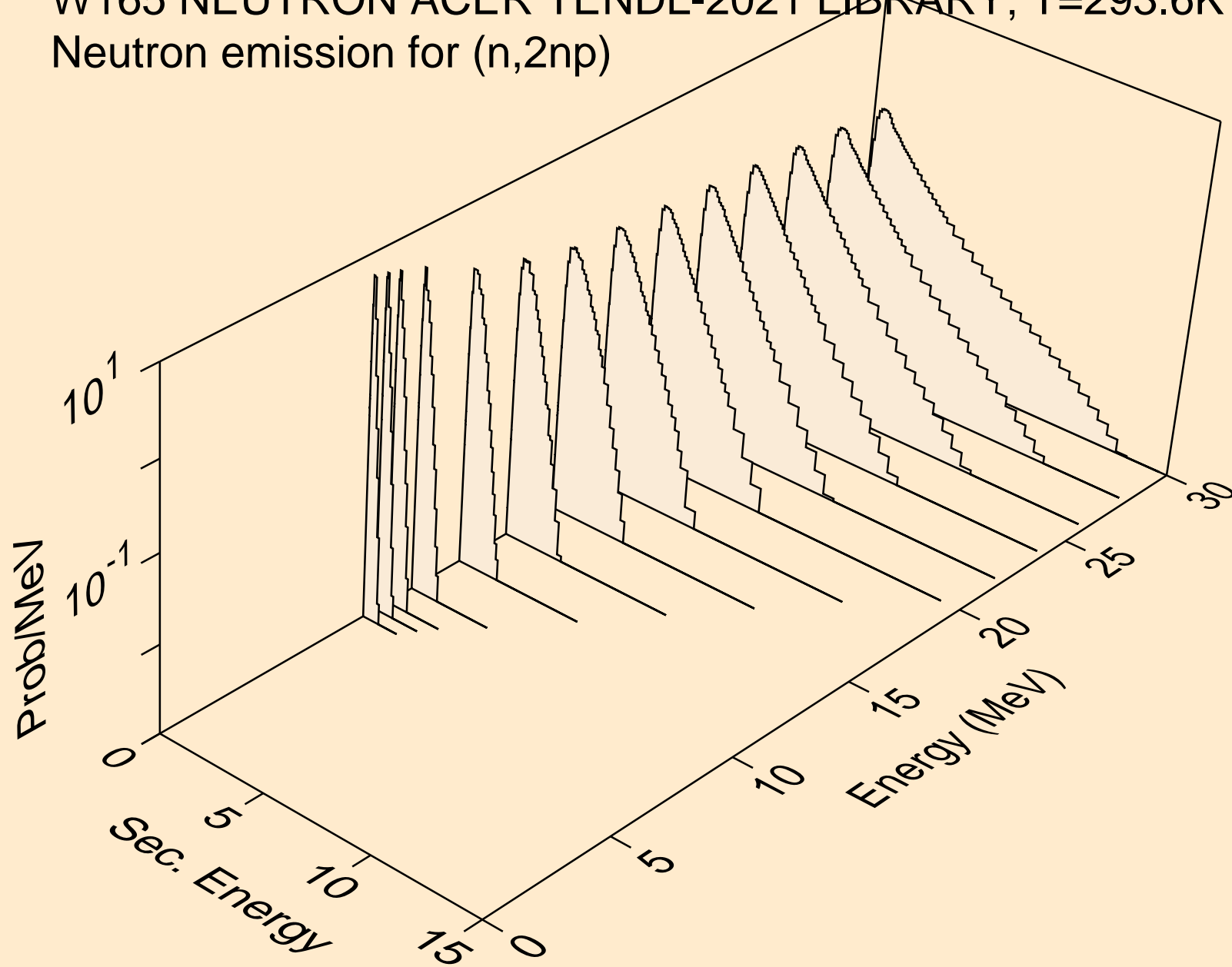
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

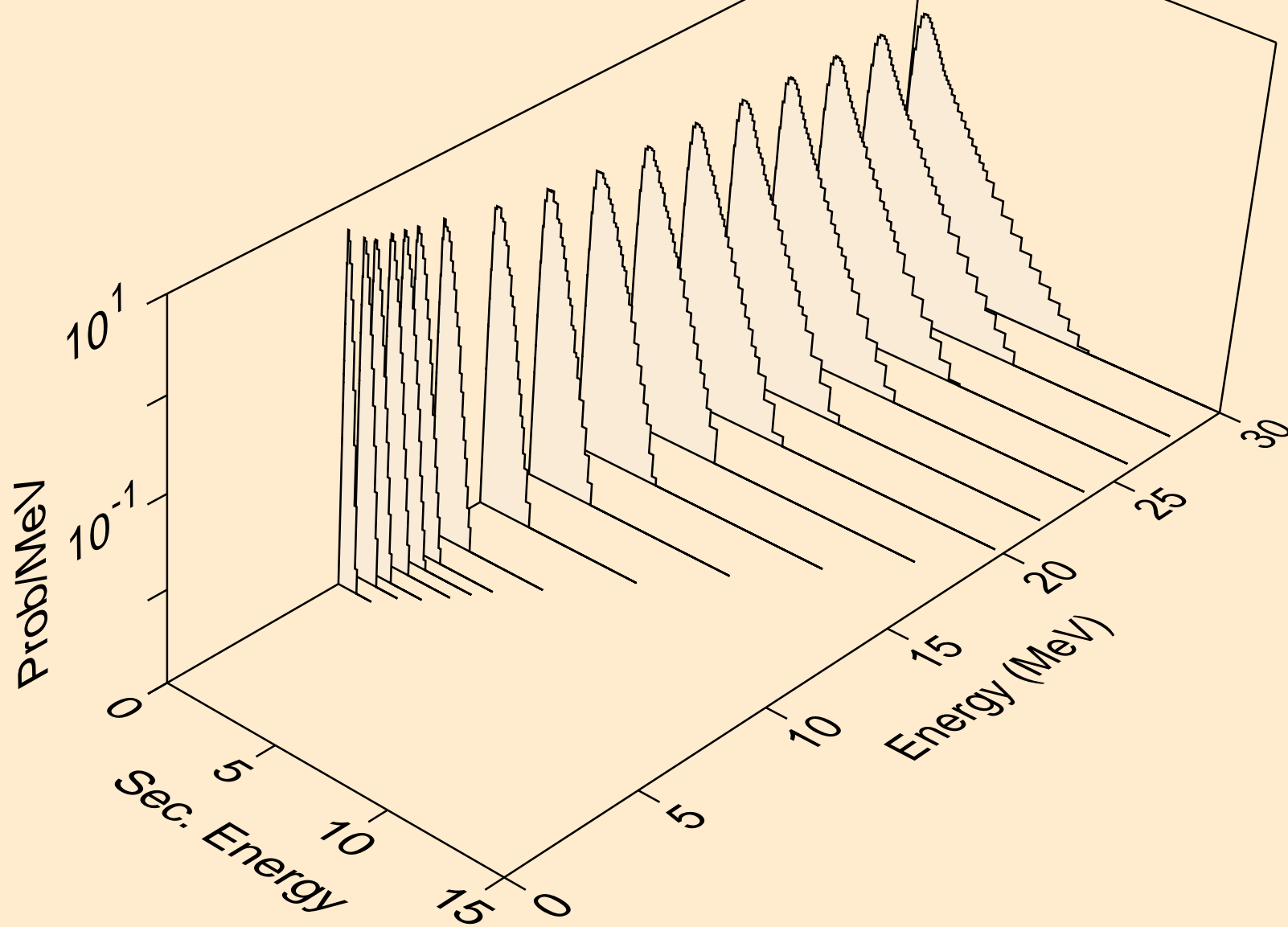


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

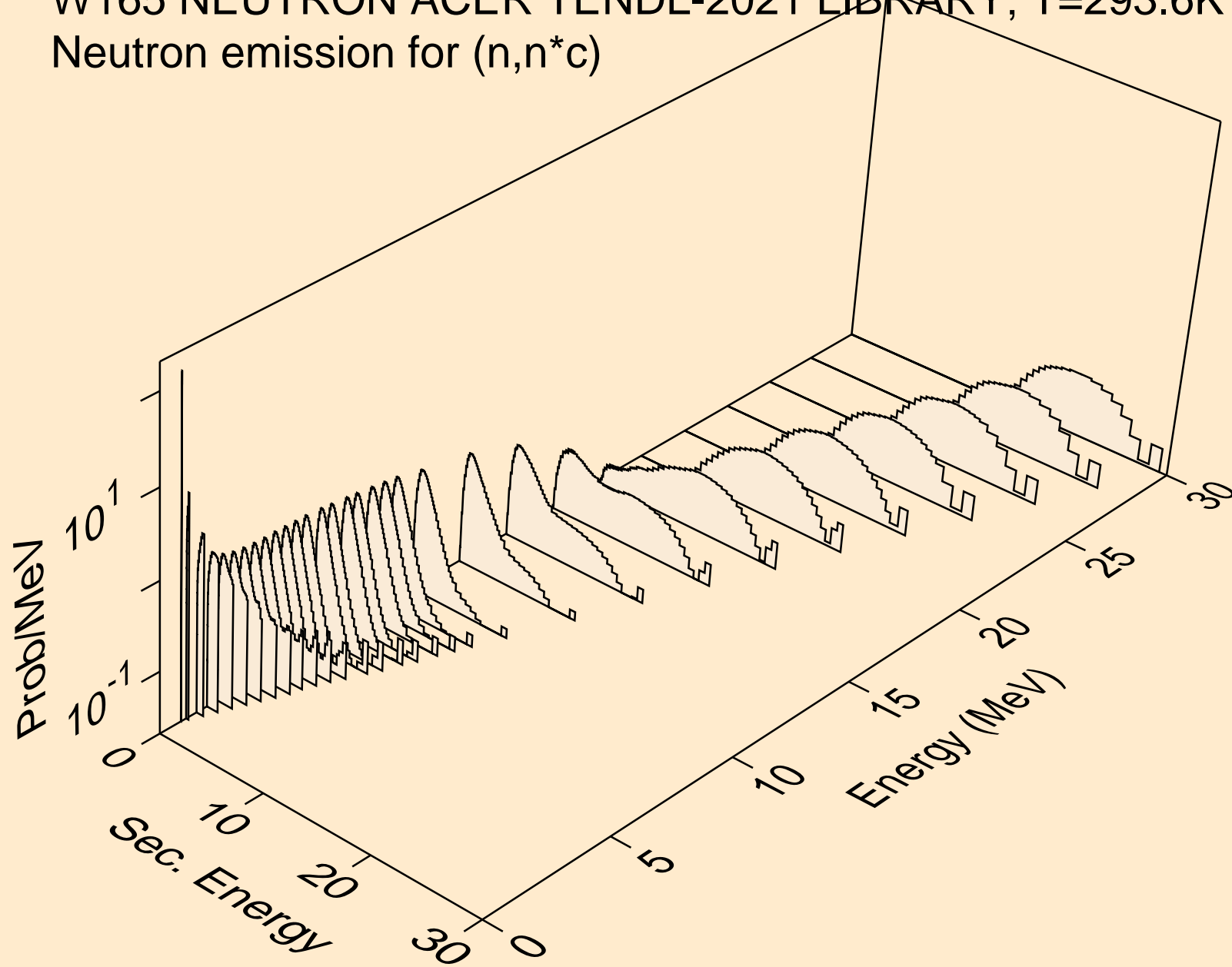




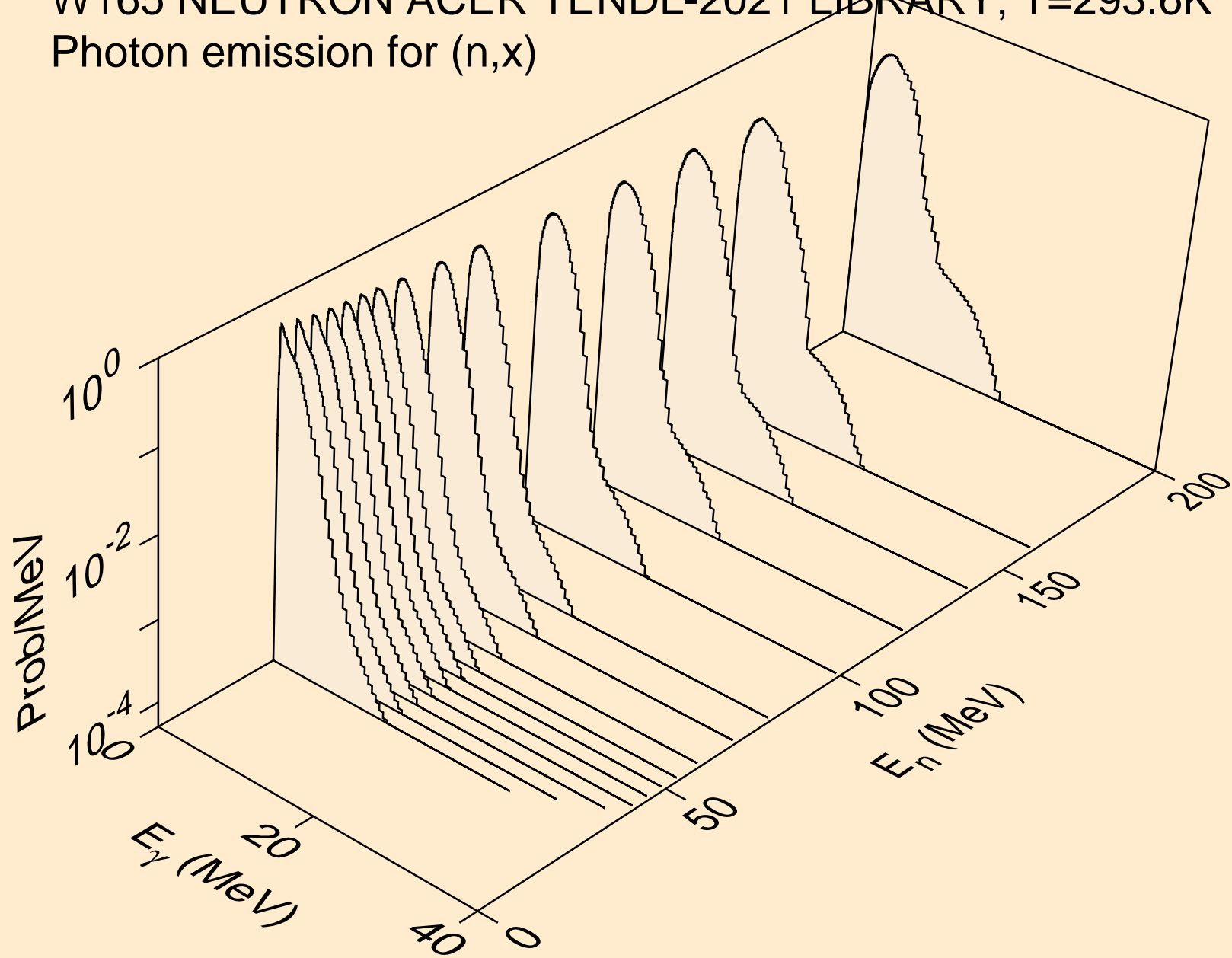
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



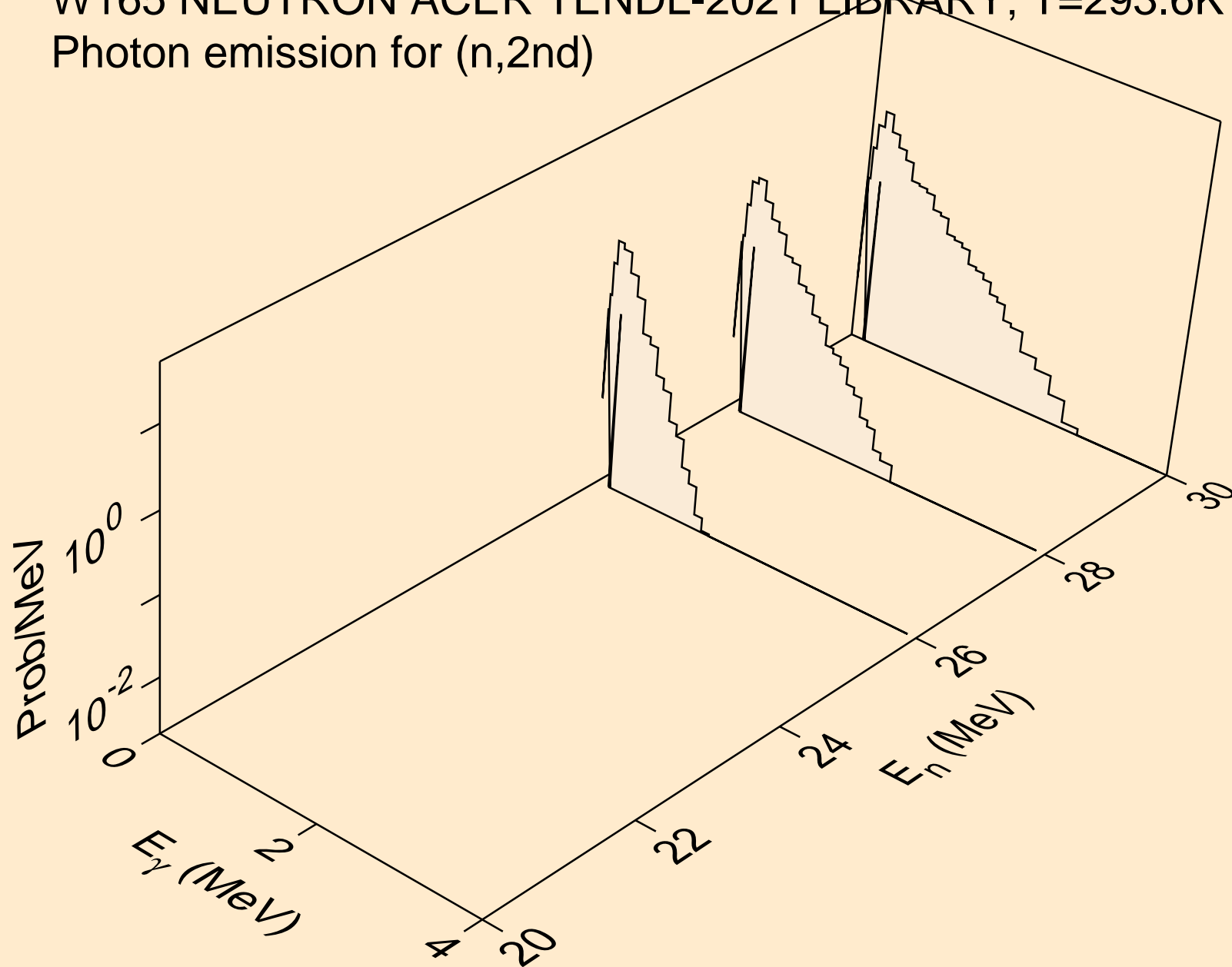
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



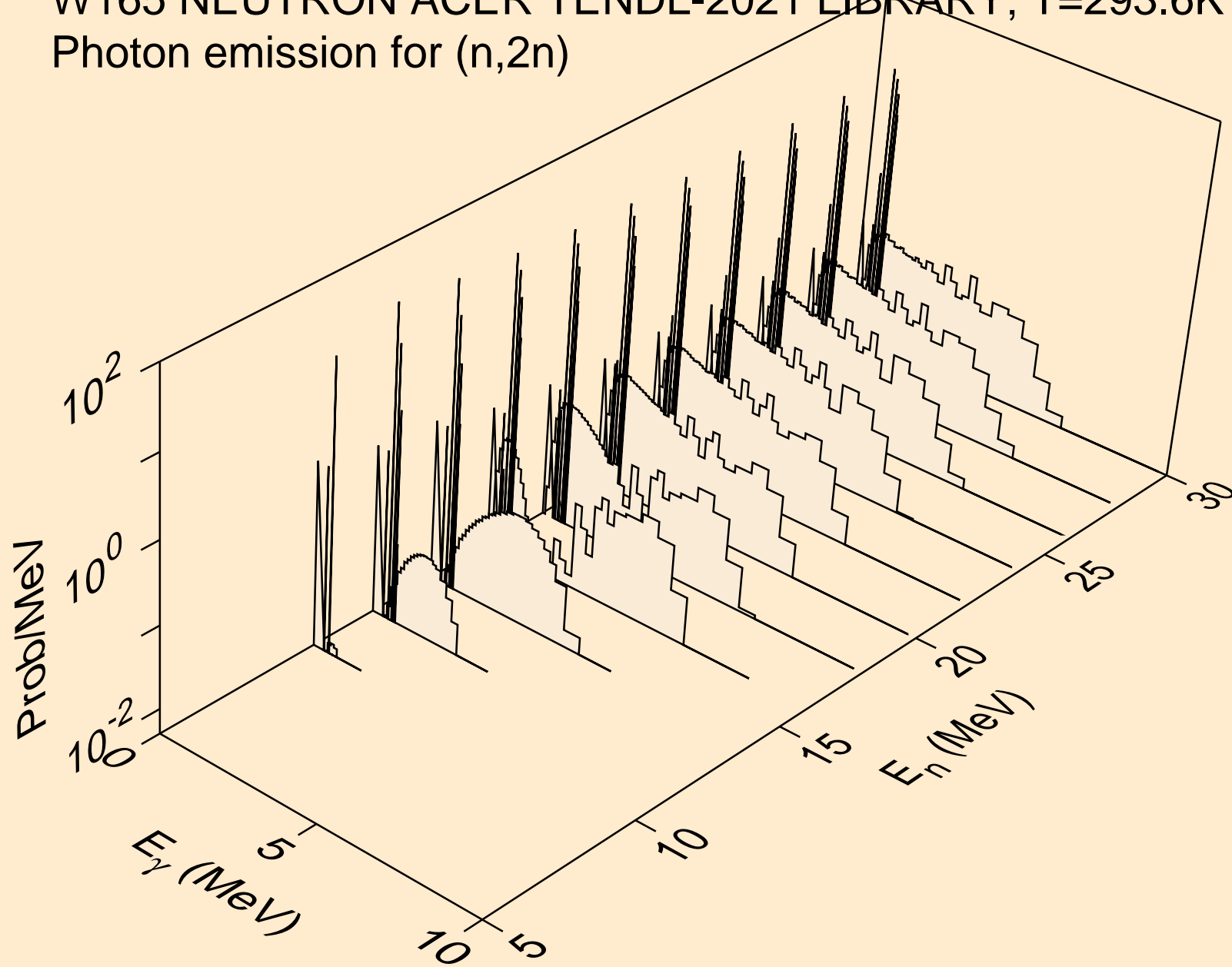
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



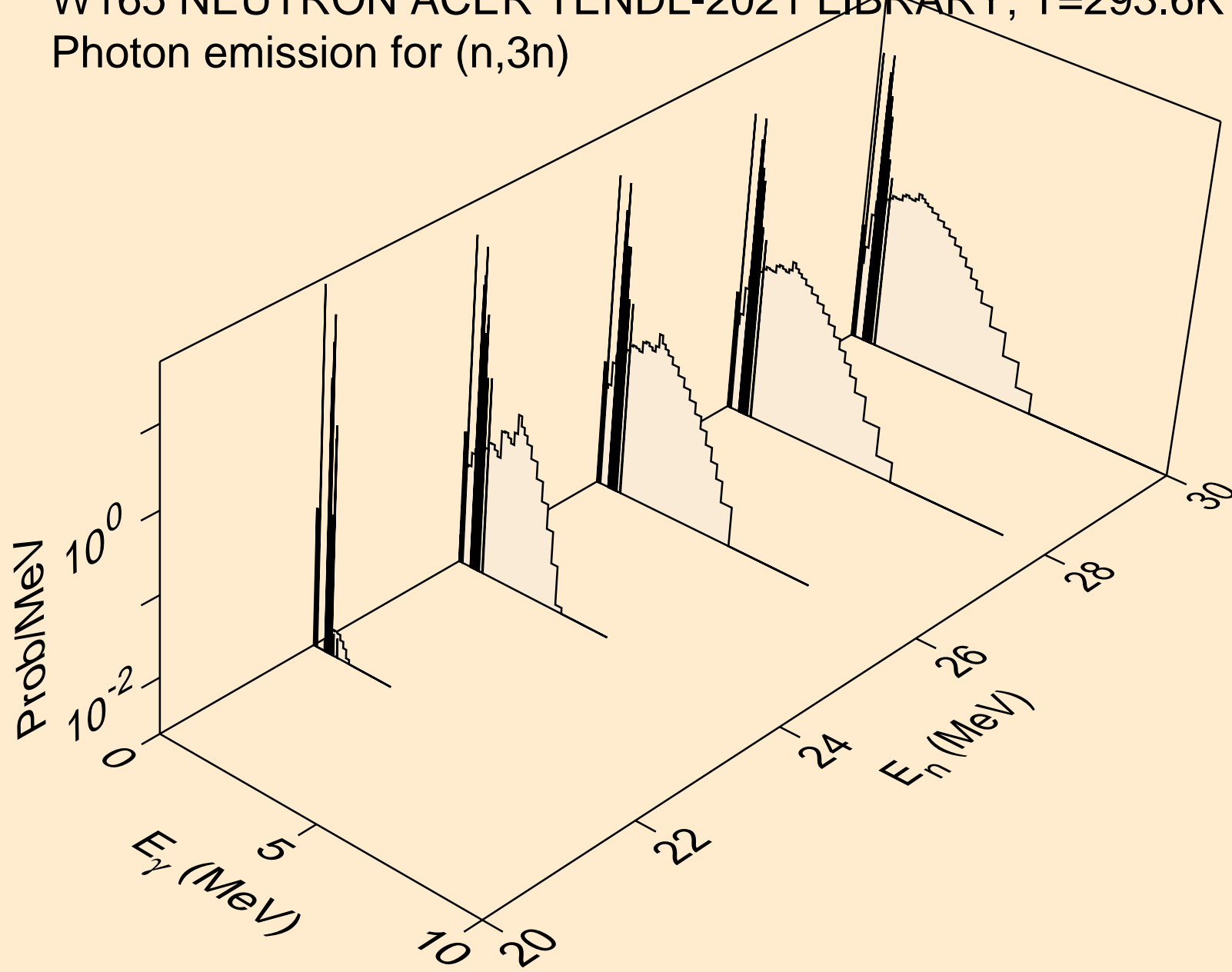
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Photon emission for (n,2nd)



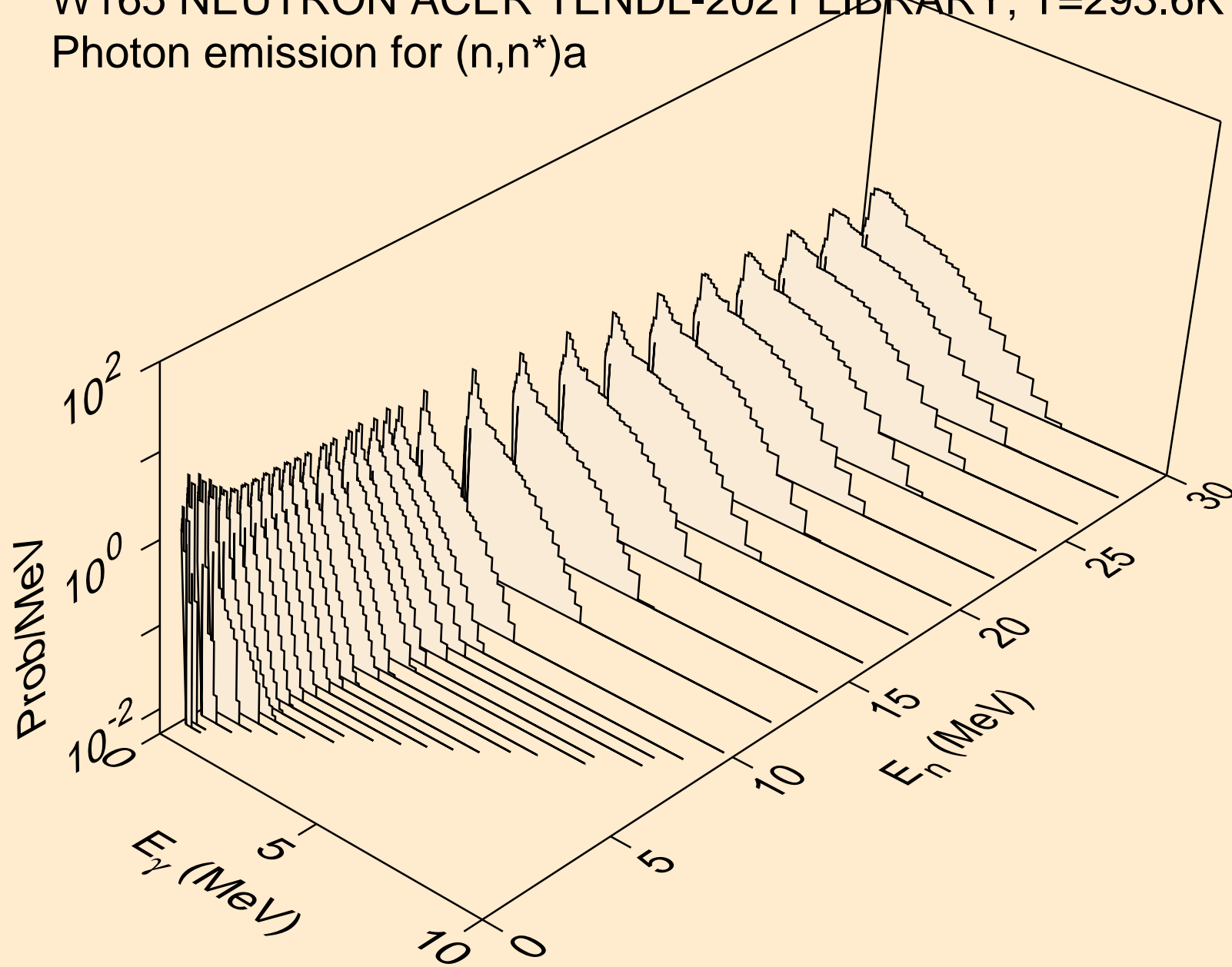
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



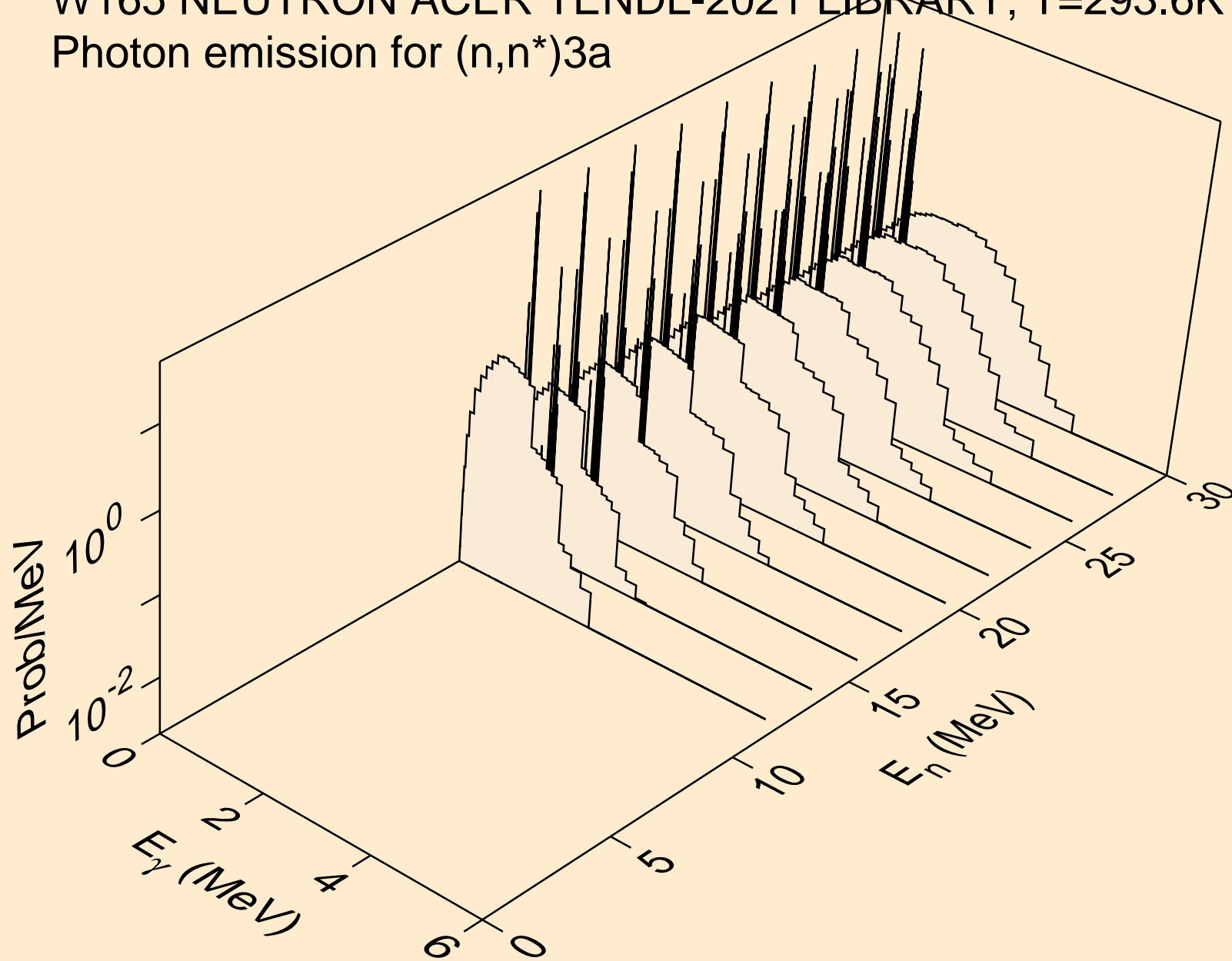
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

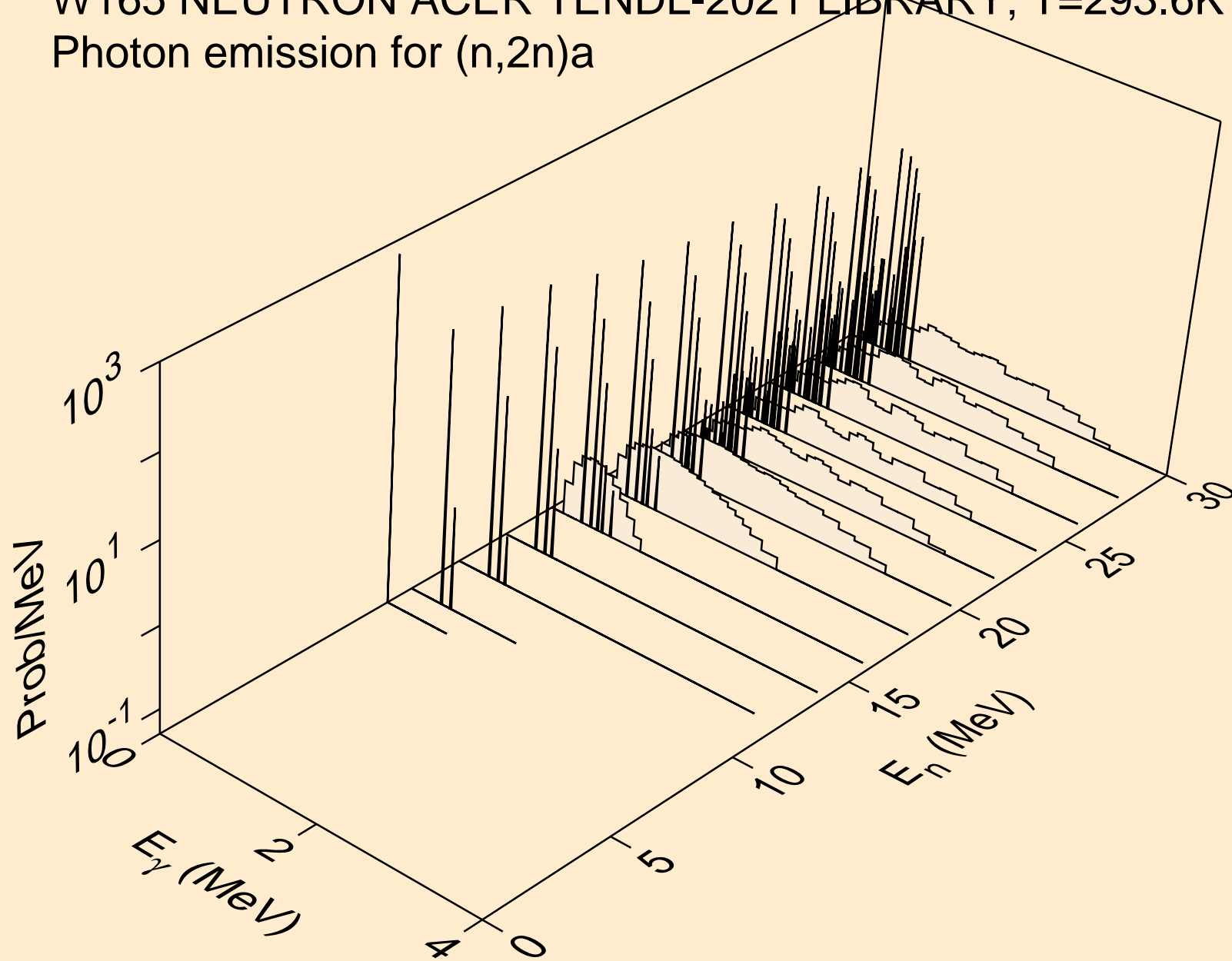


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a

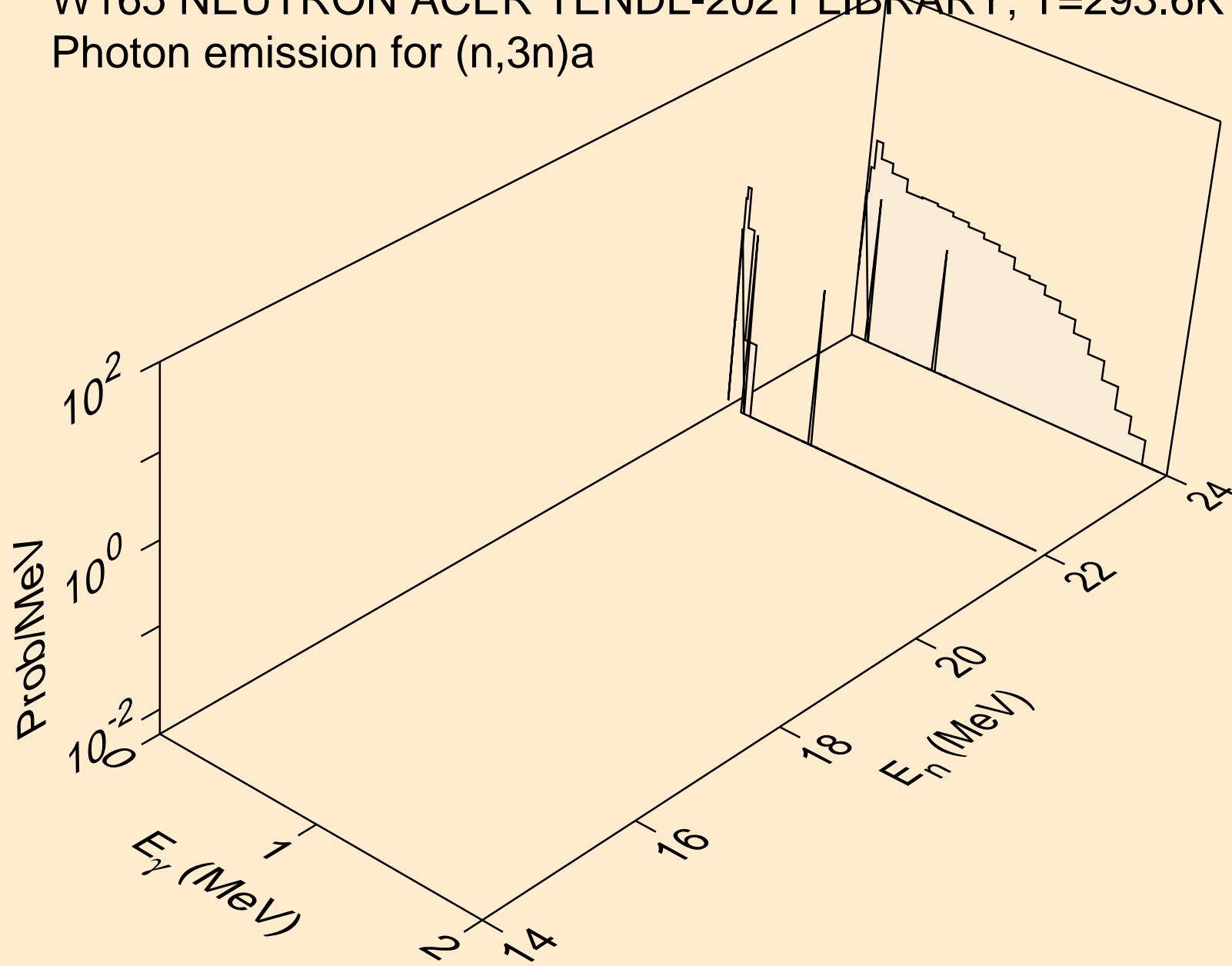




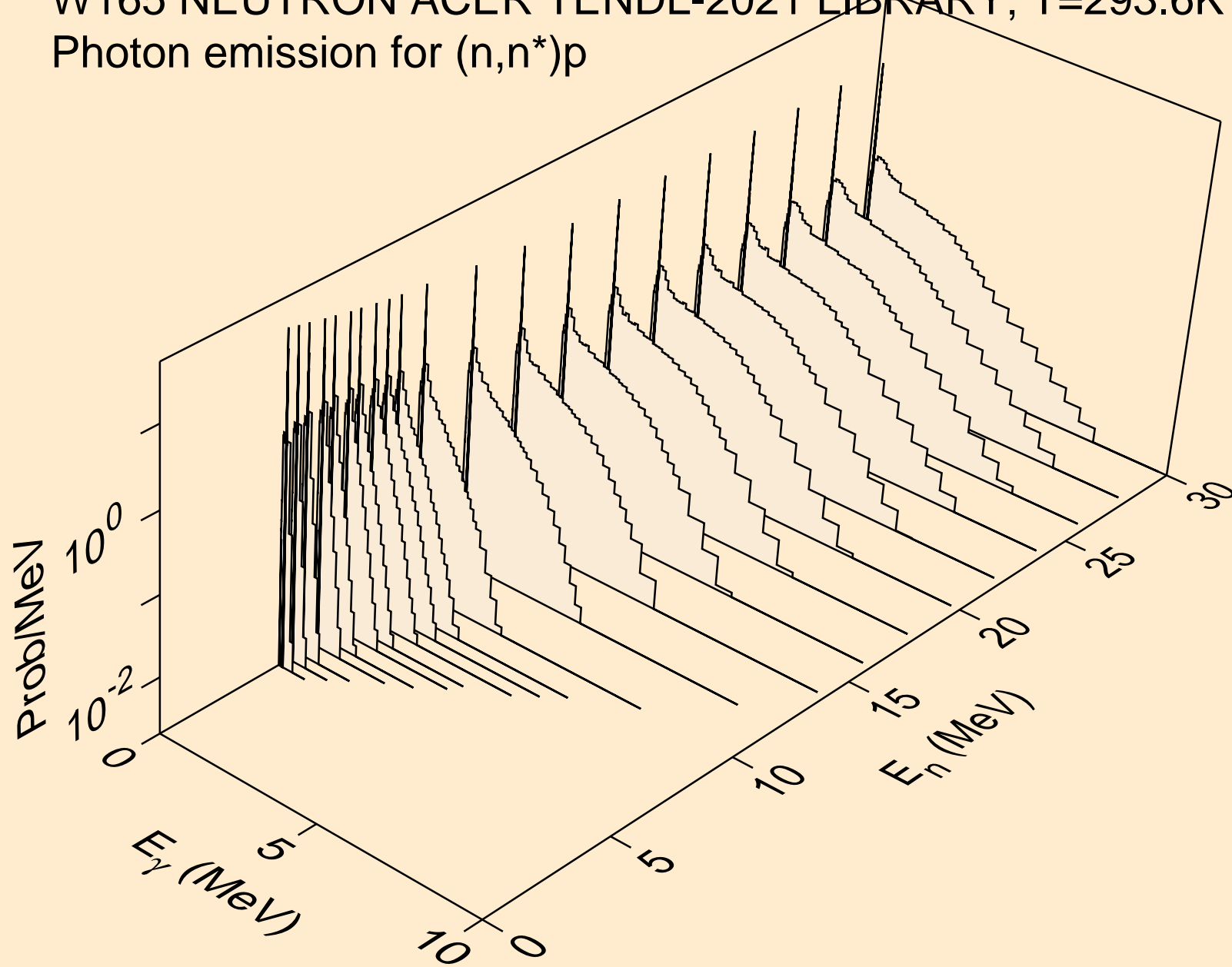
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



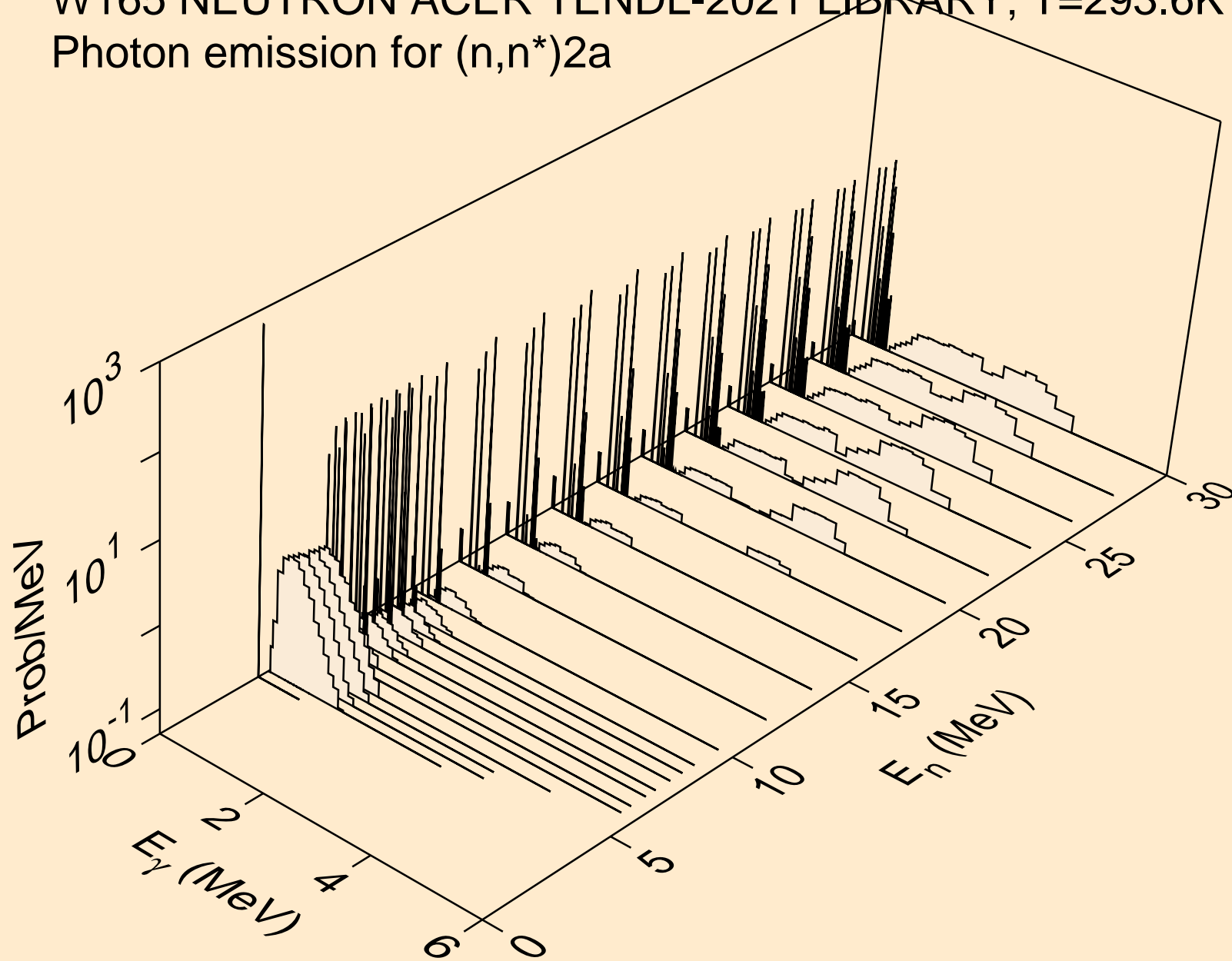
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



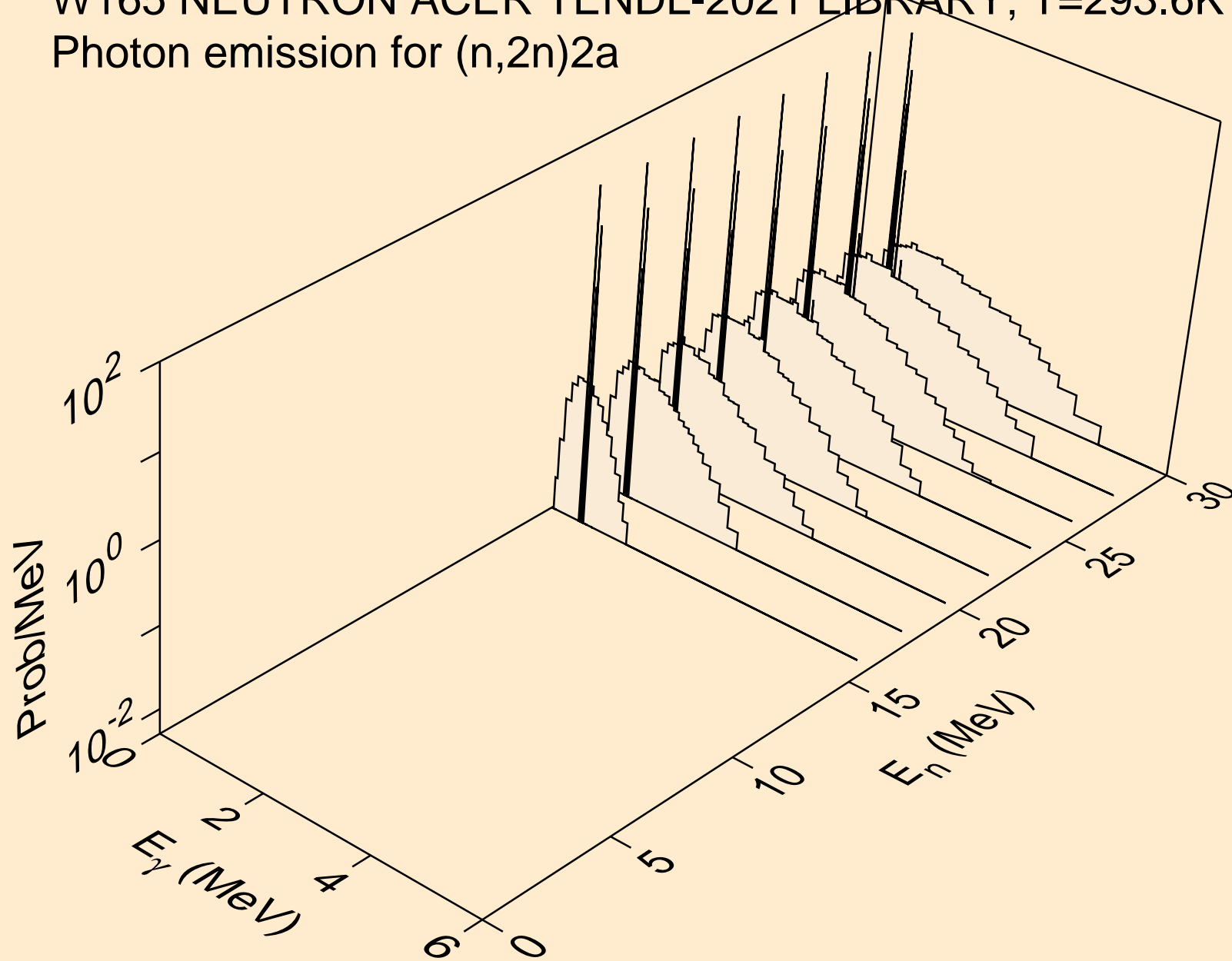
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



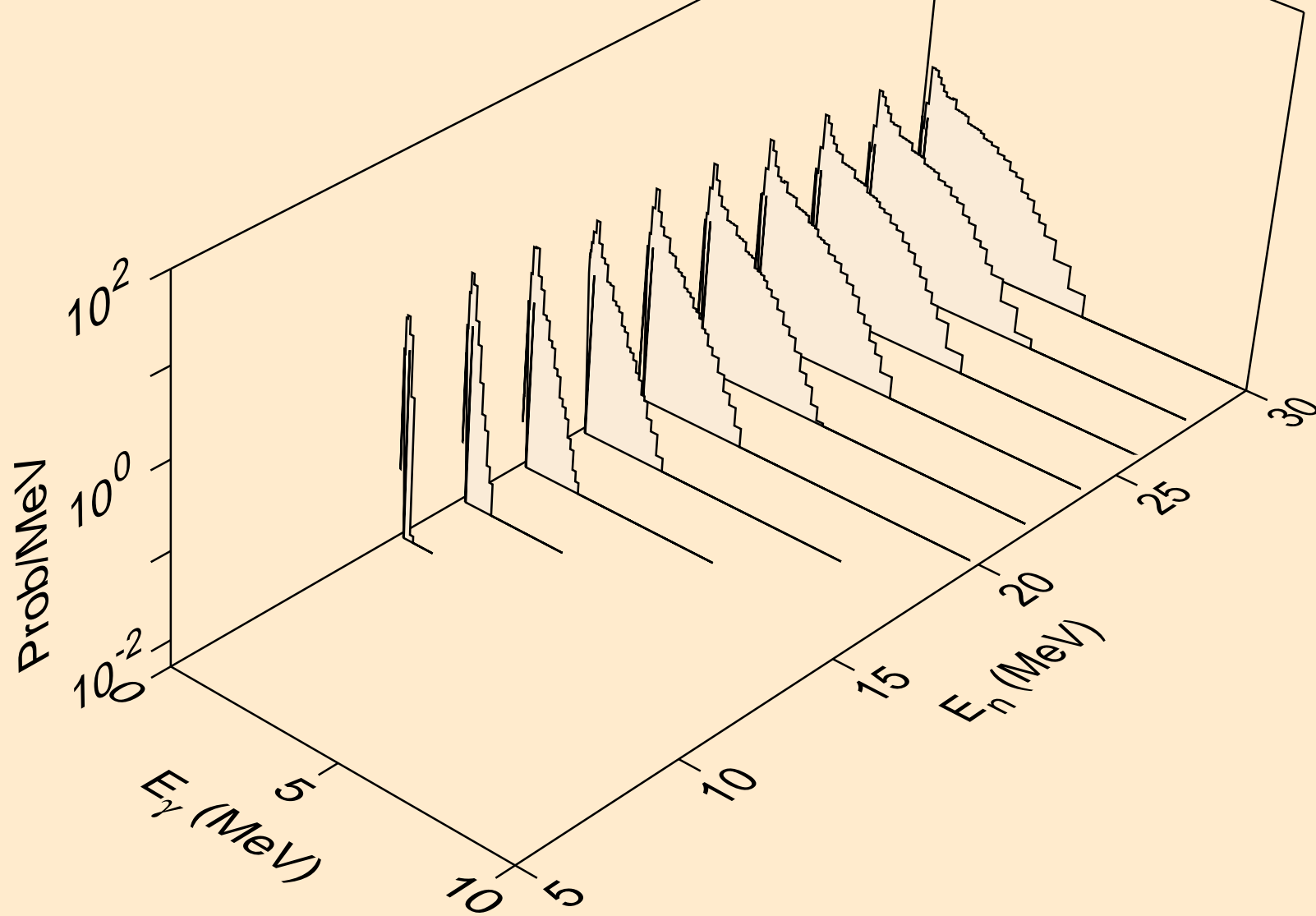
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Photon emission for (n,n\*)2a



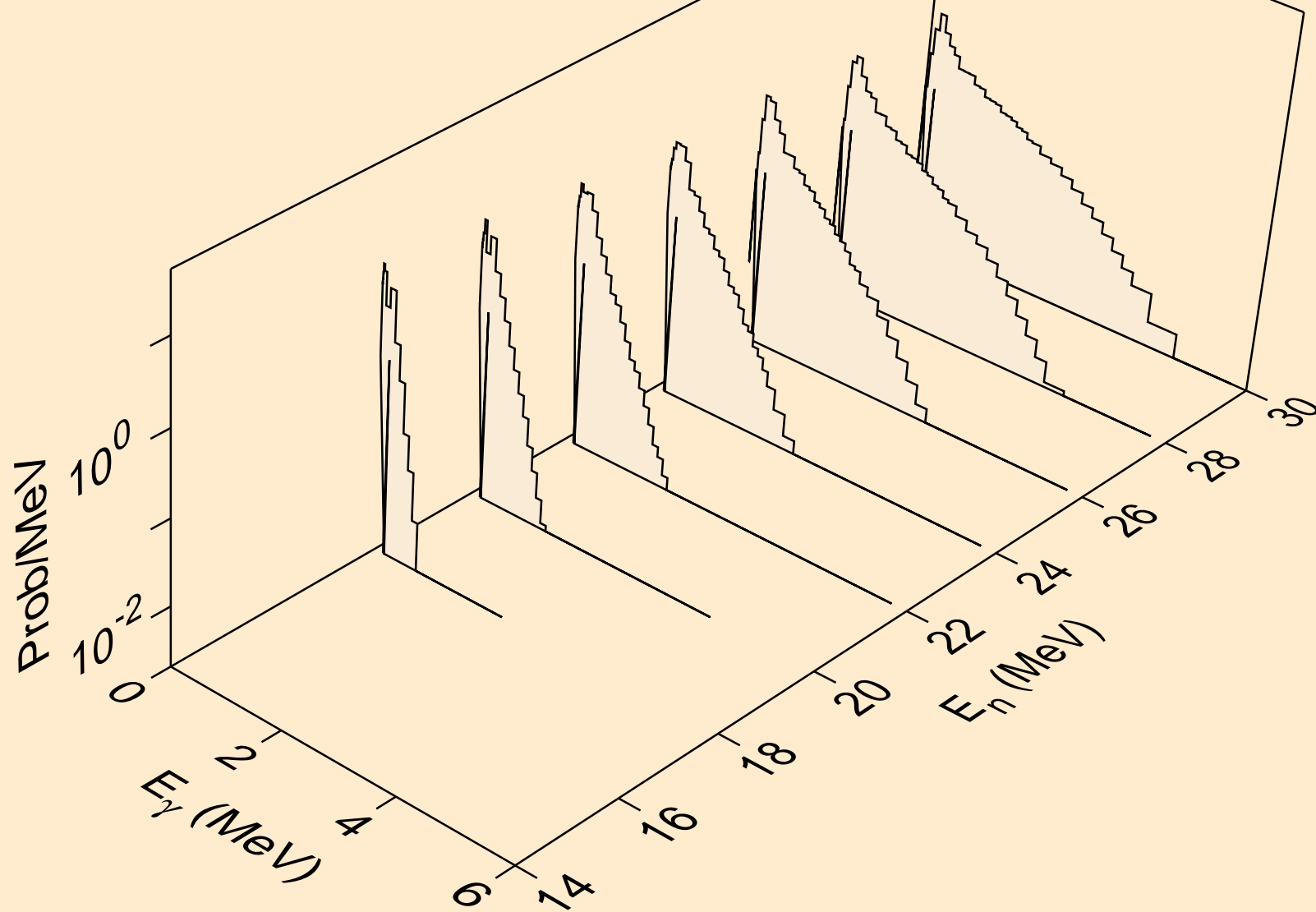
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



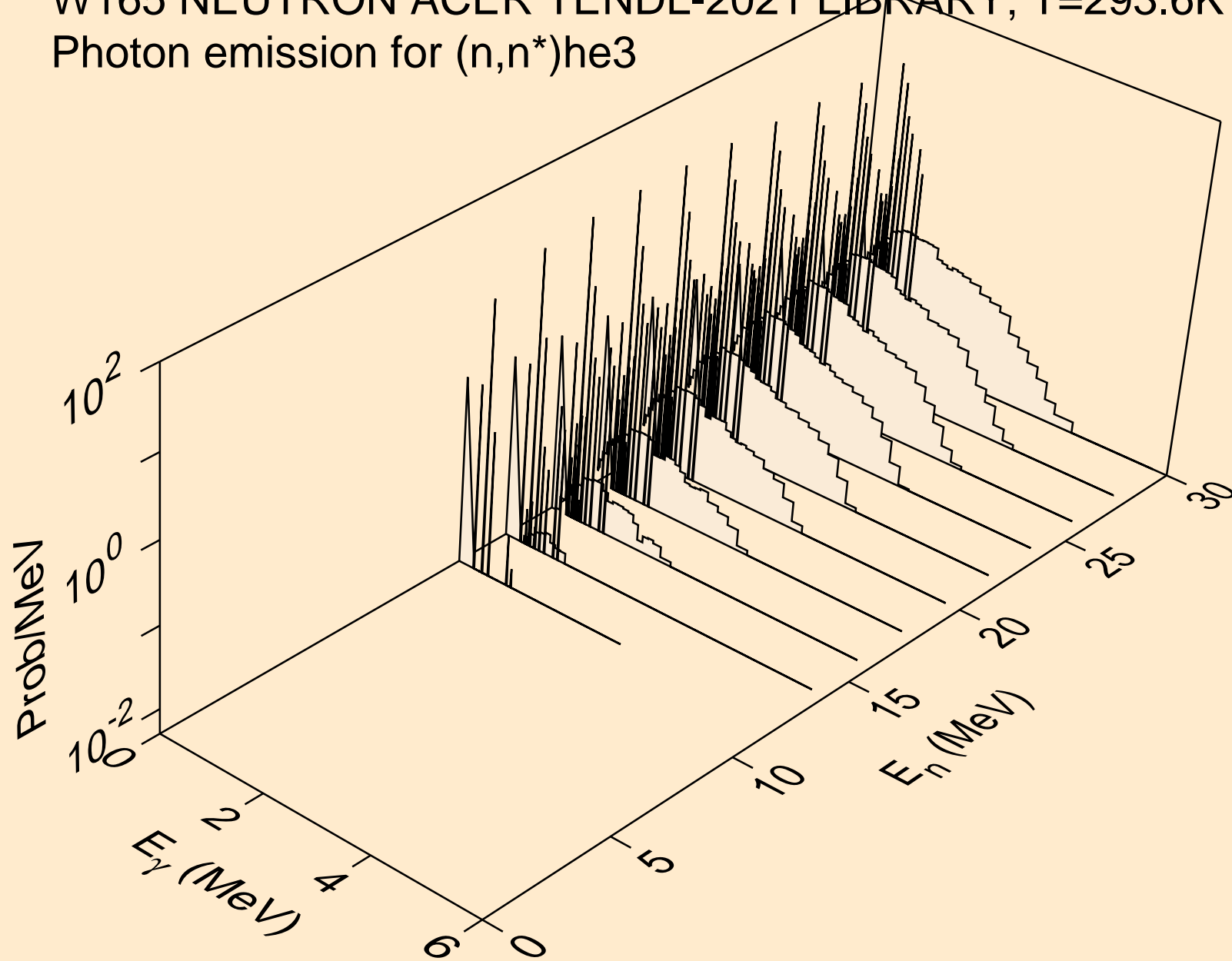
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

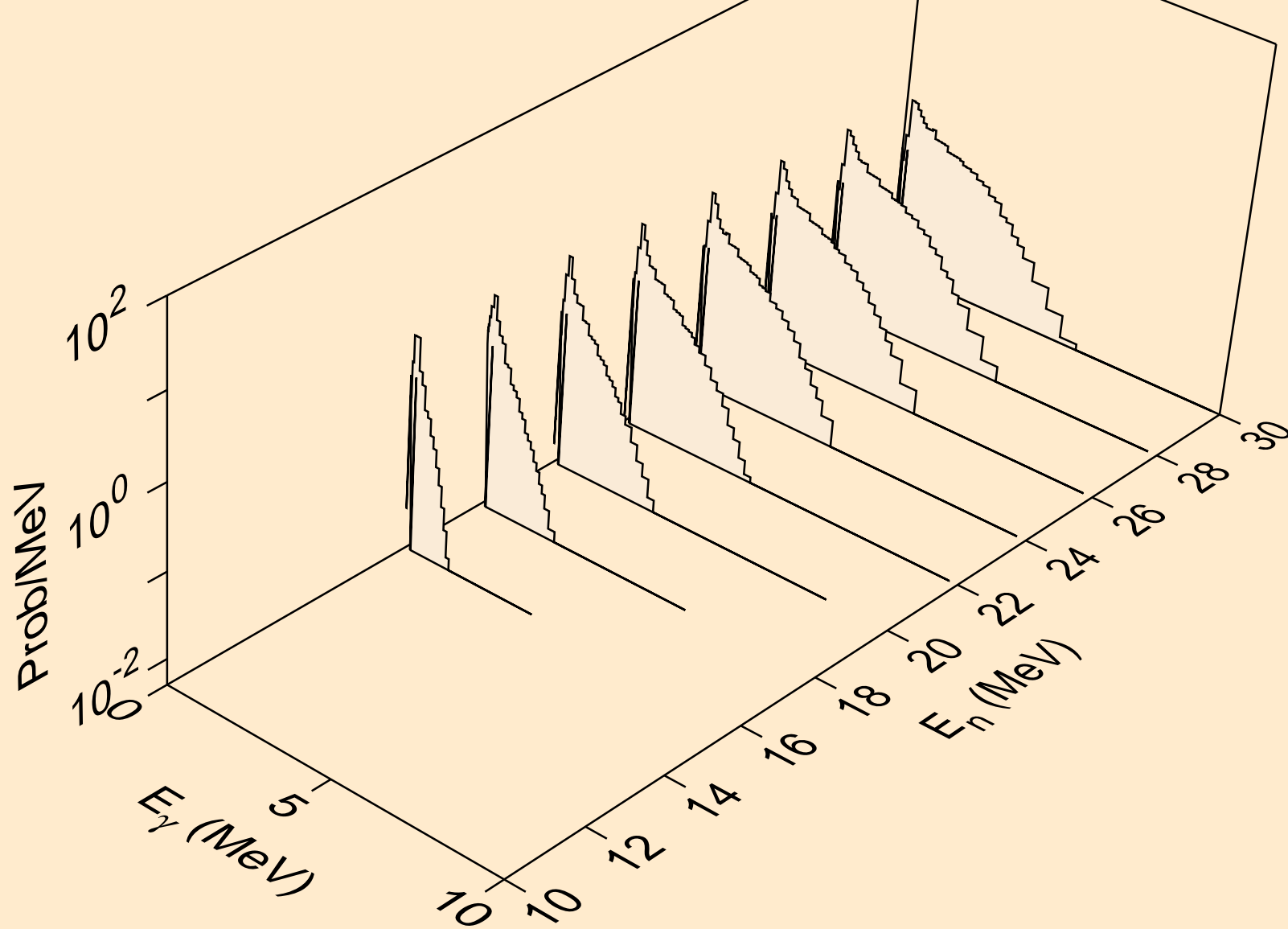


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

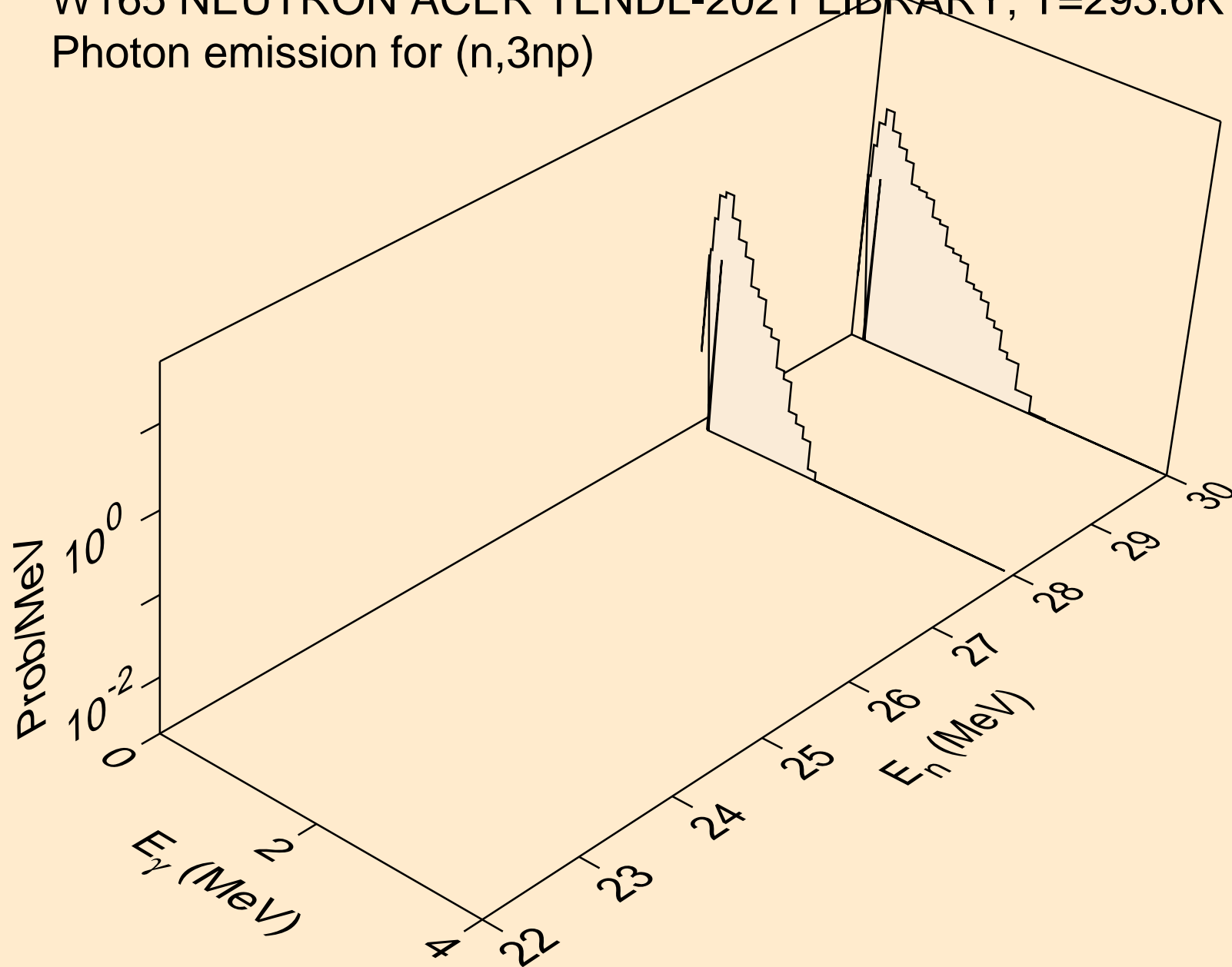




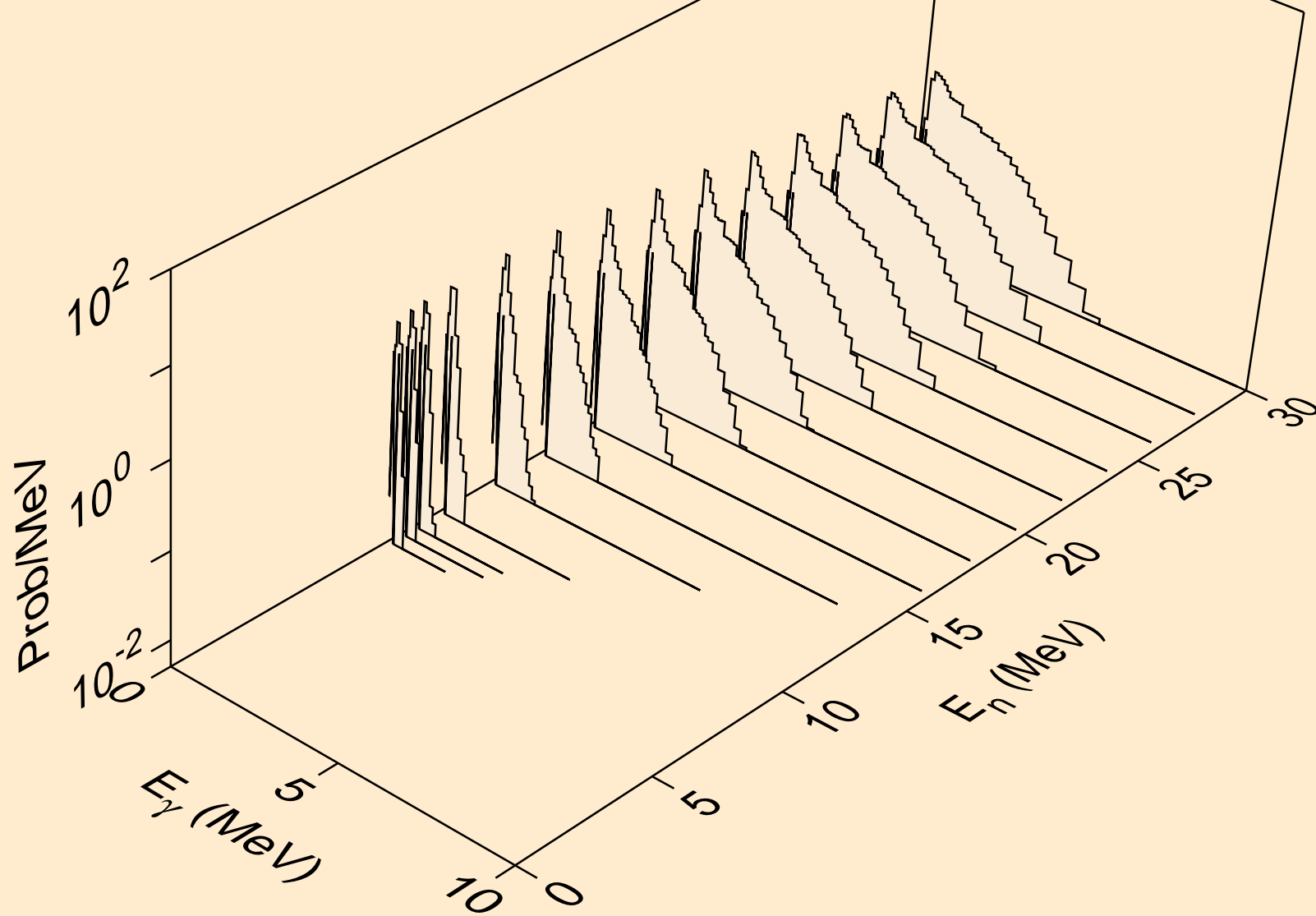
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



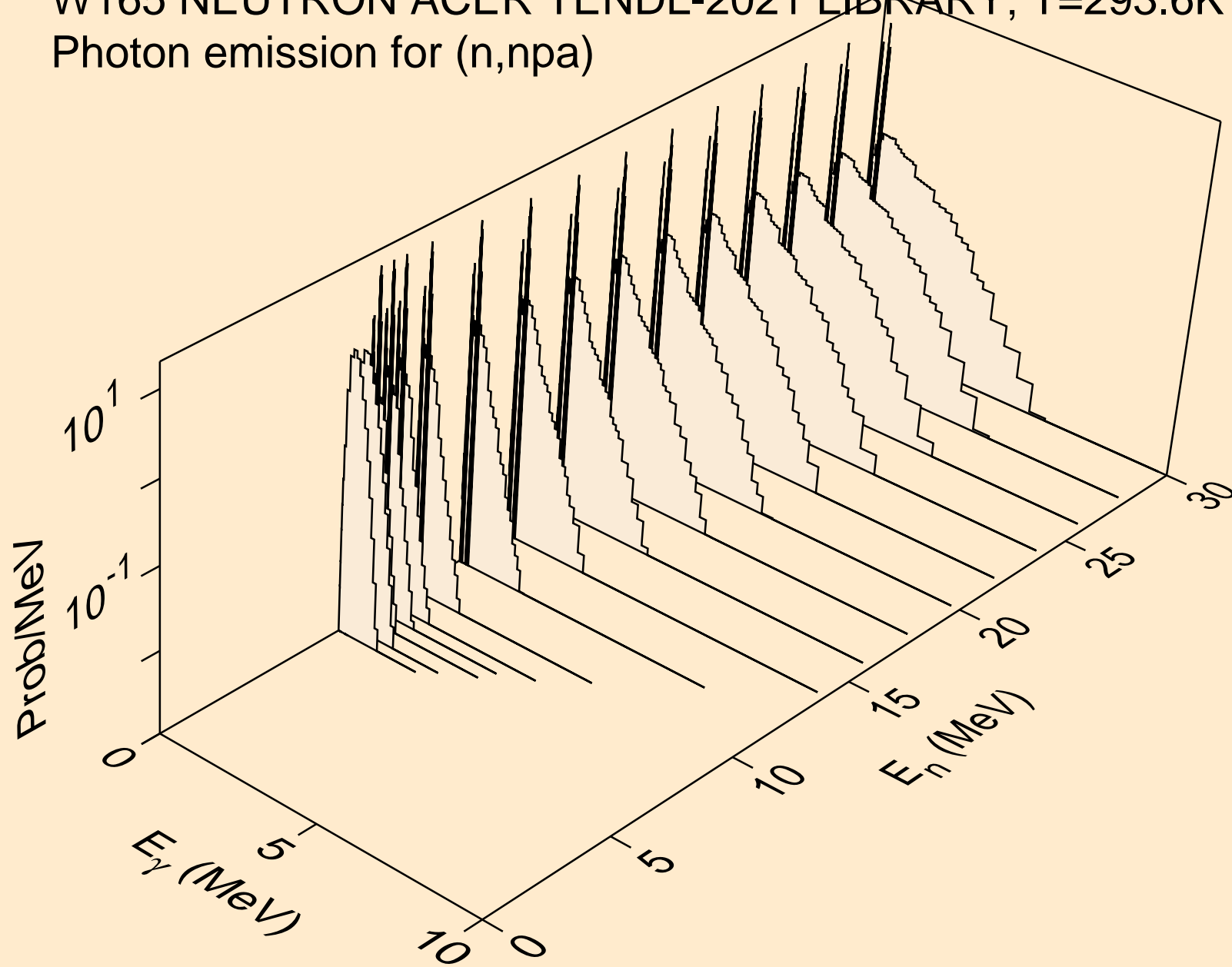
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Photon emission for (n,3np)



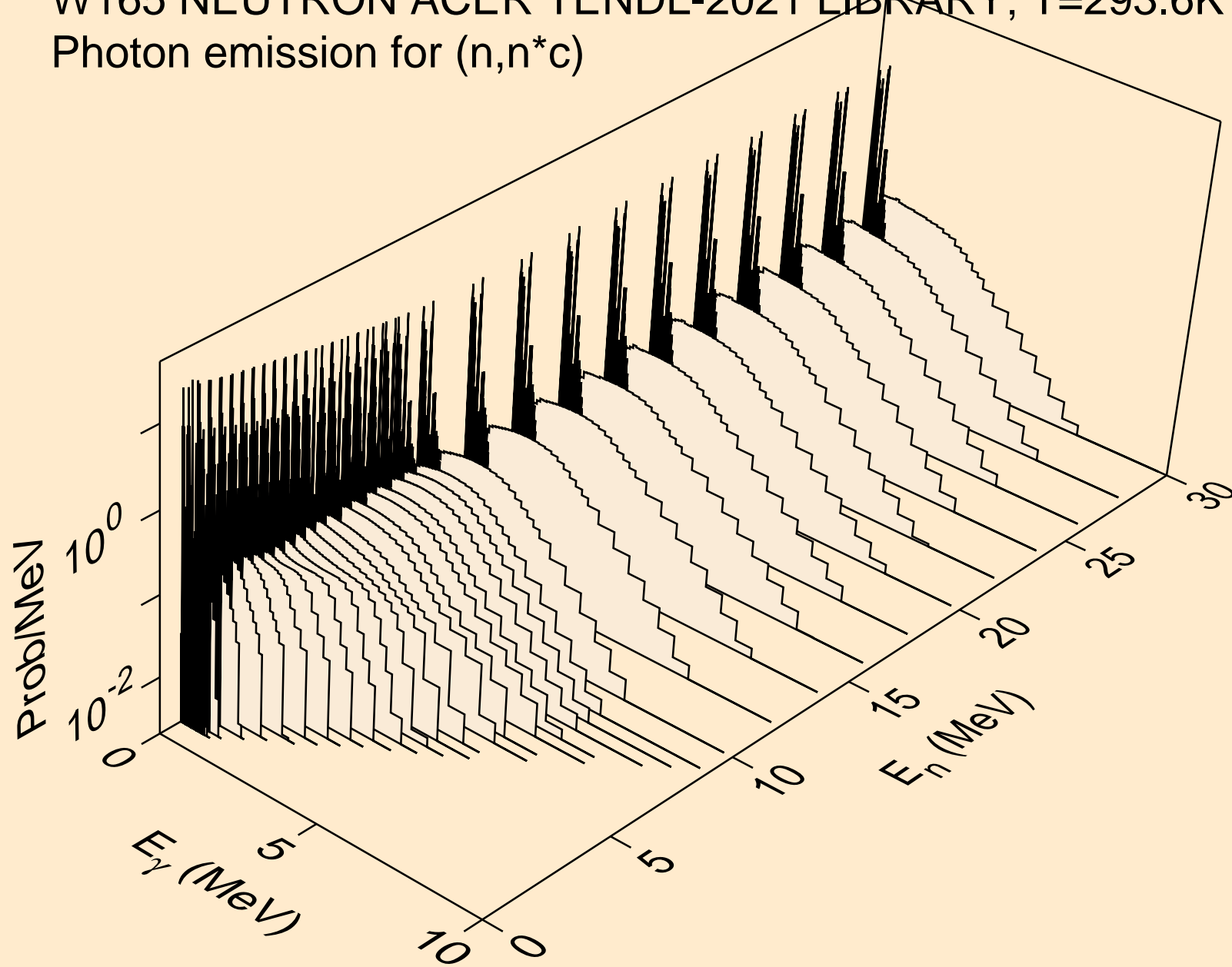
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Photon emission for (n,2np)



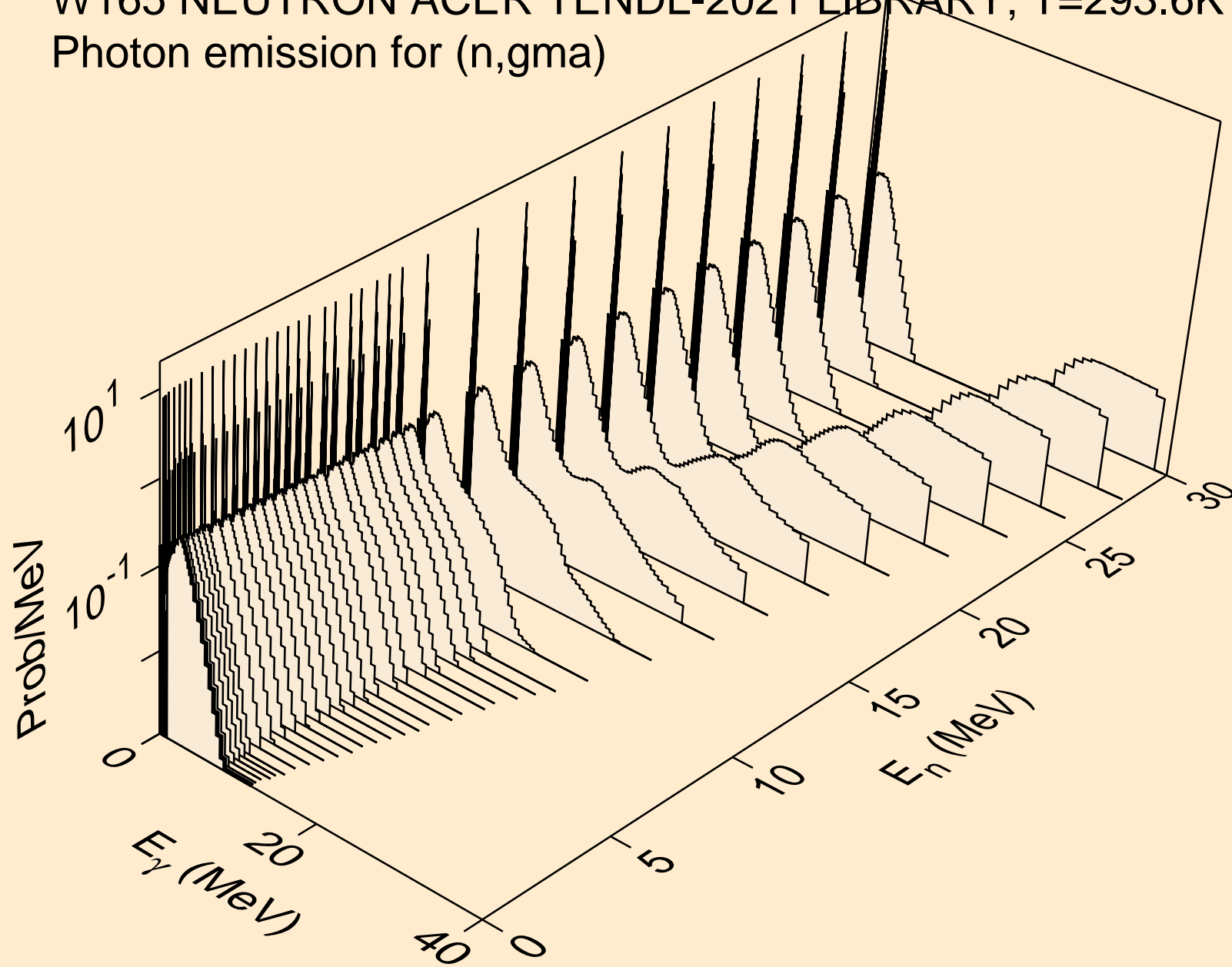
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



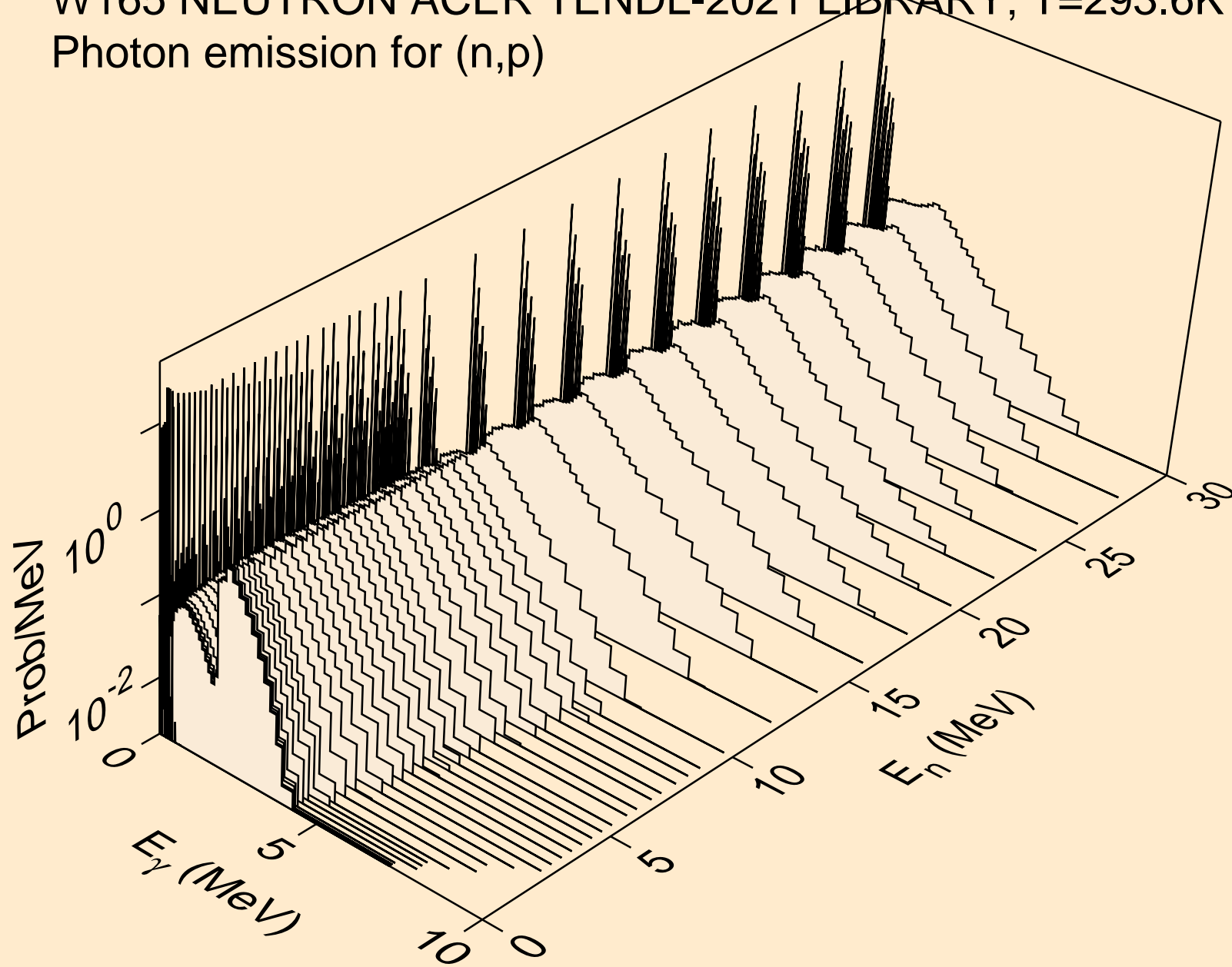
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



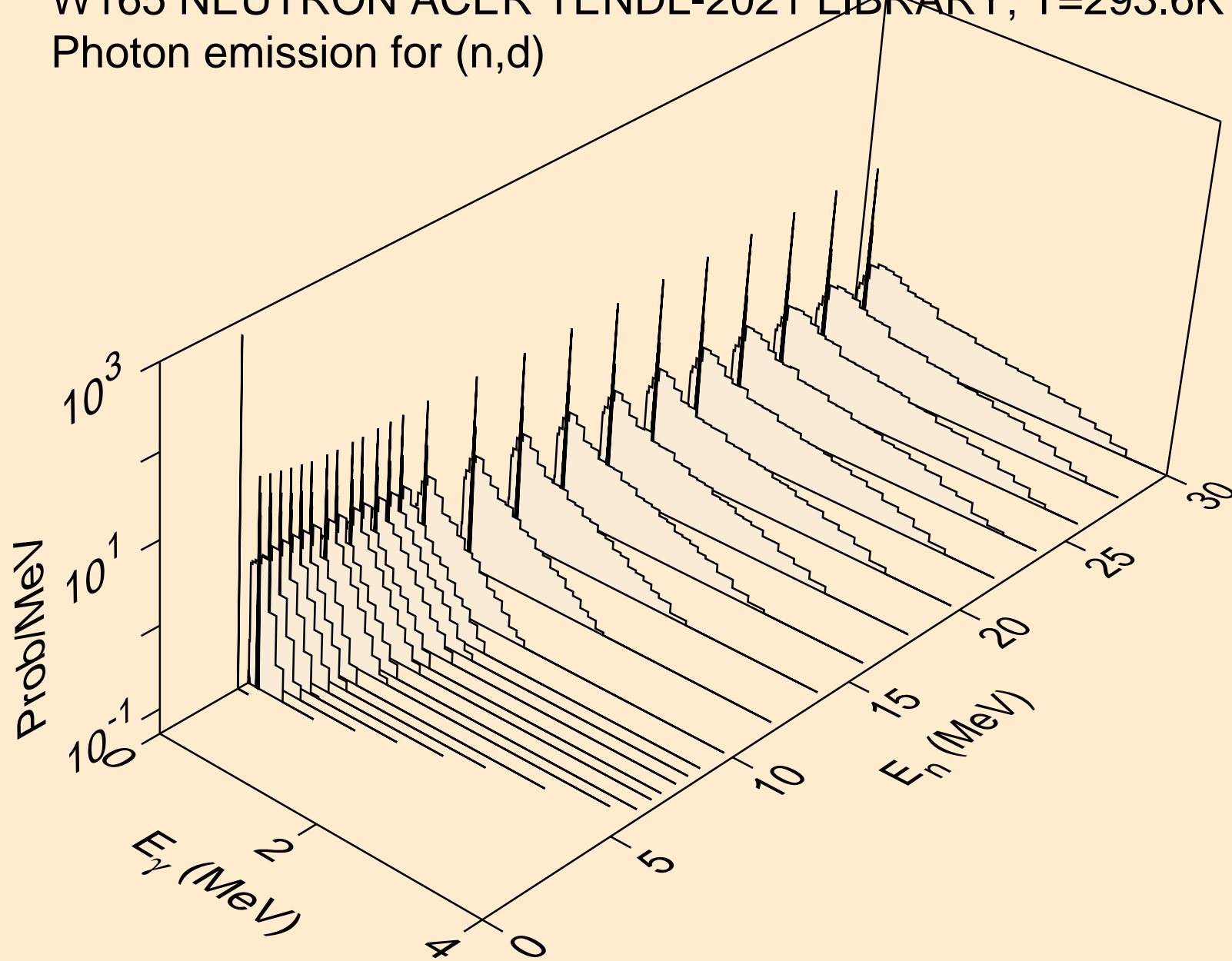
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

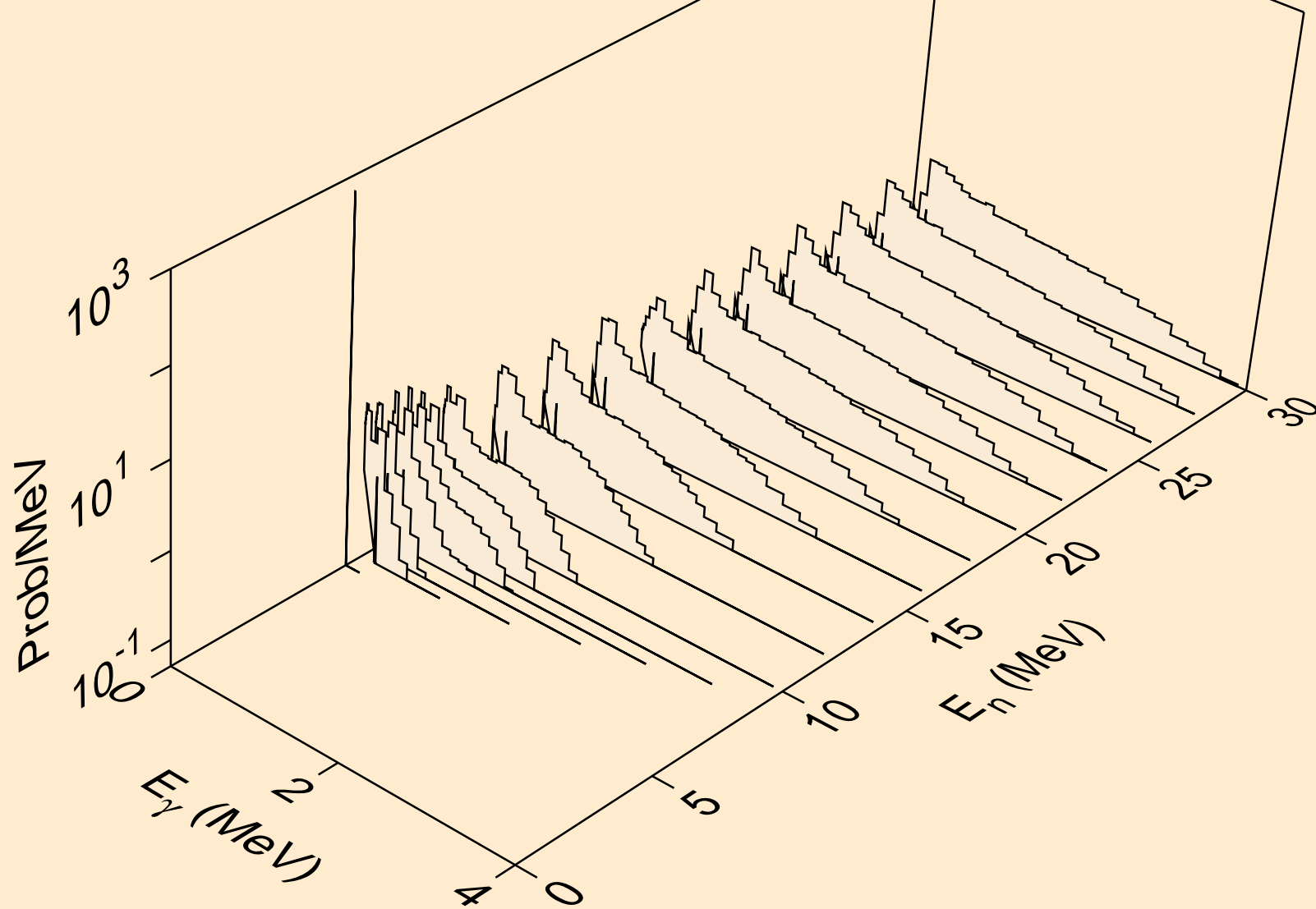


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Photon emission for (n,d)

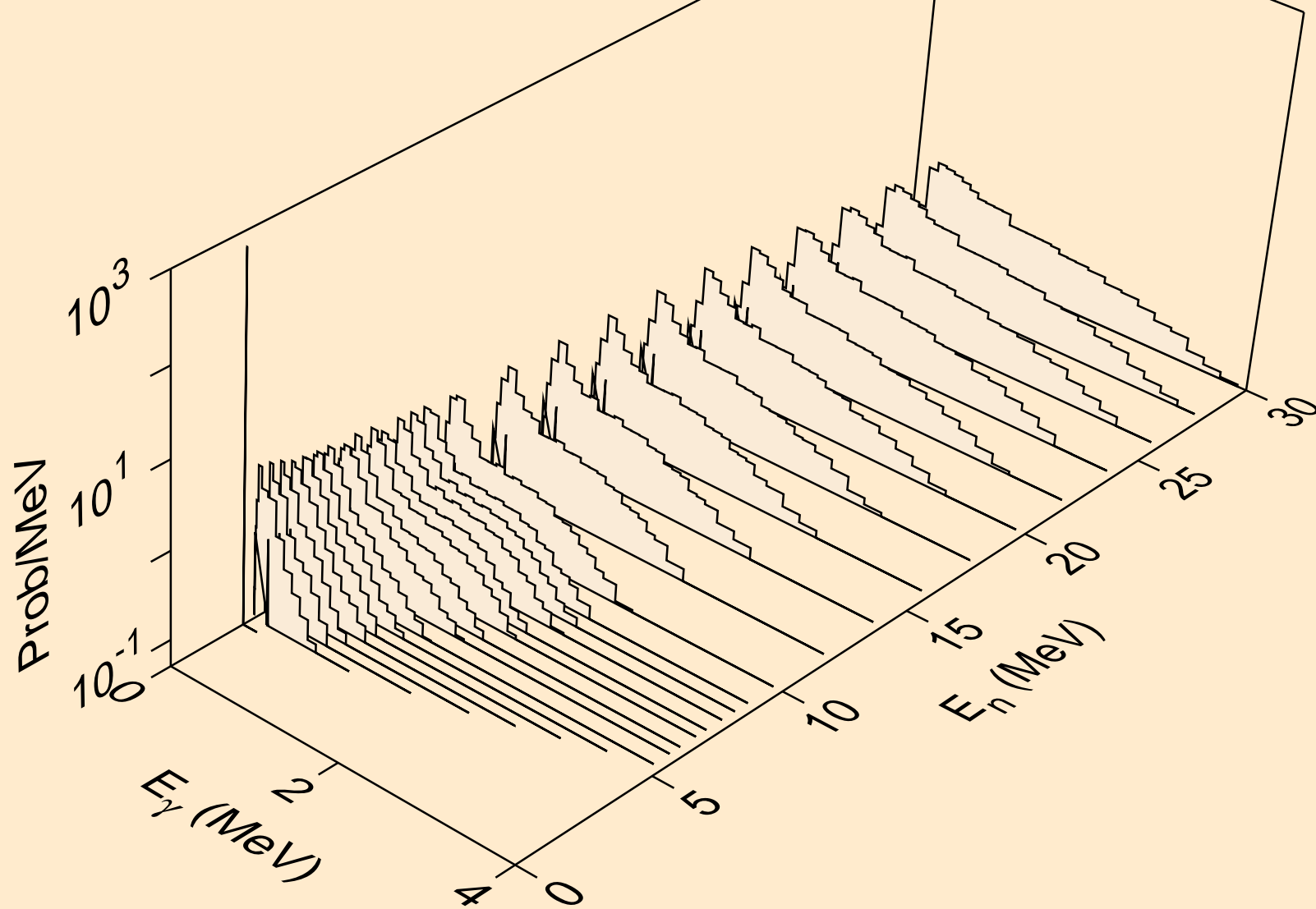




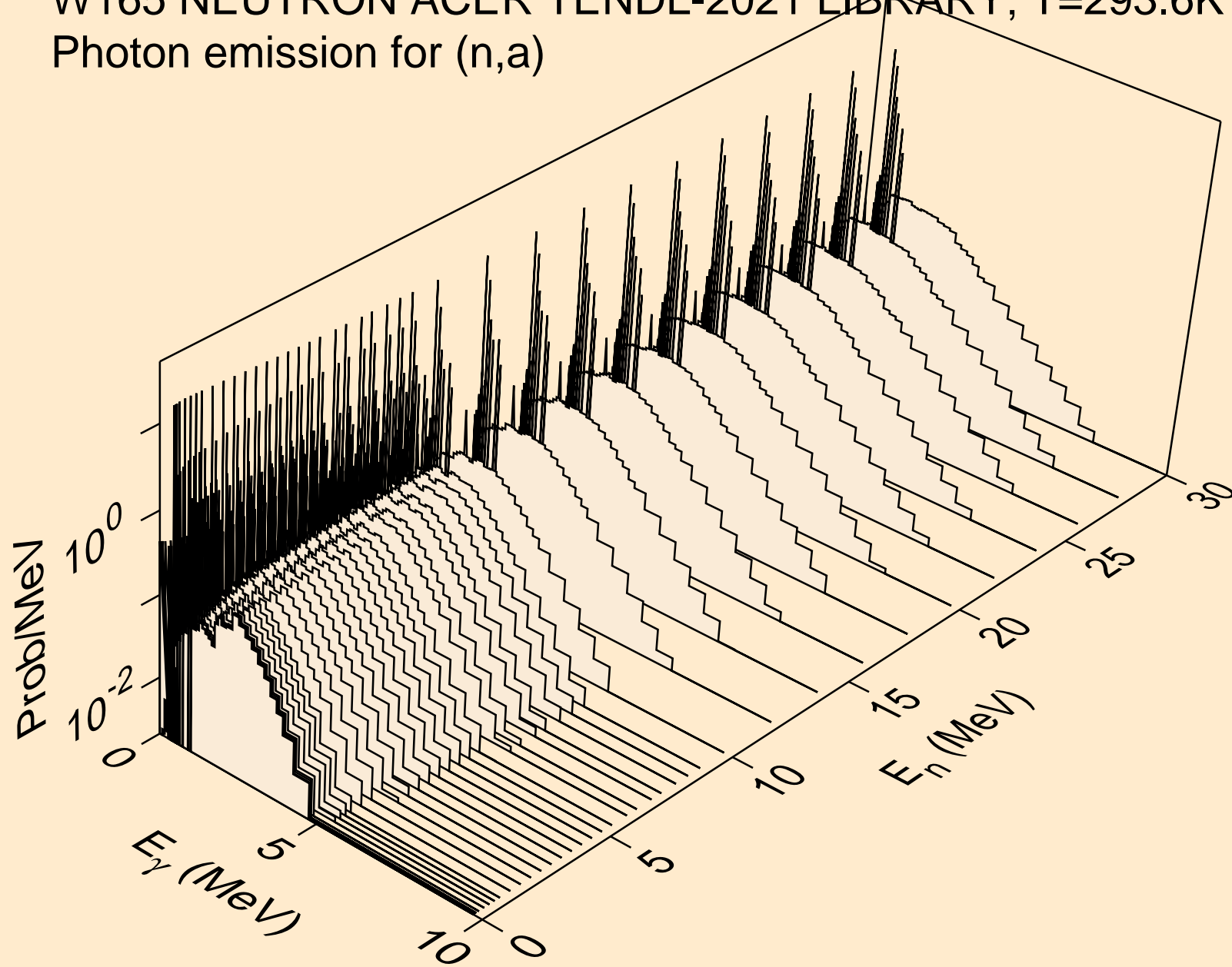
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Photon emission for (n,t)



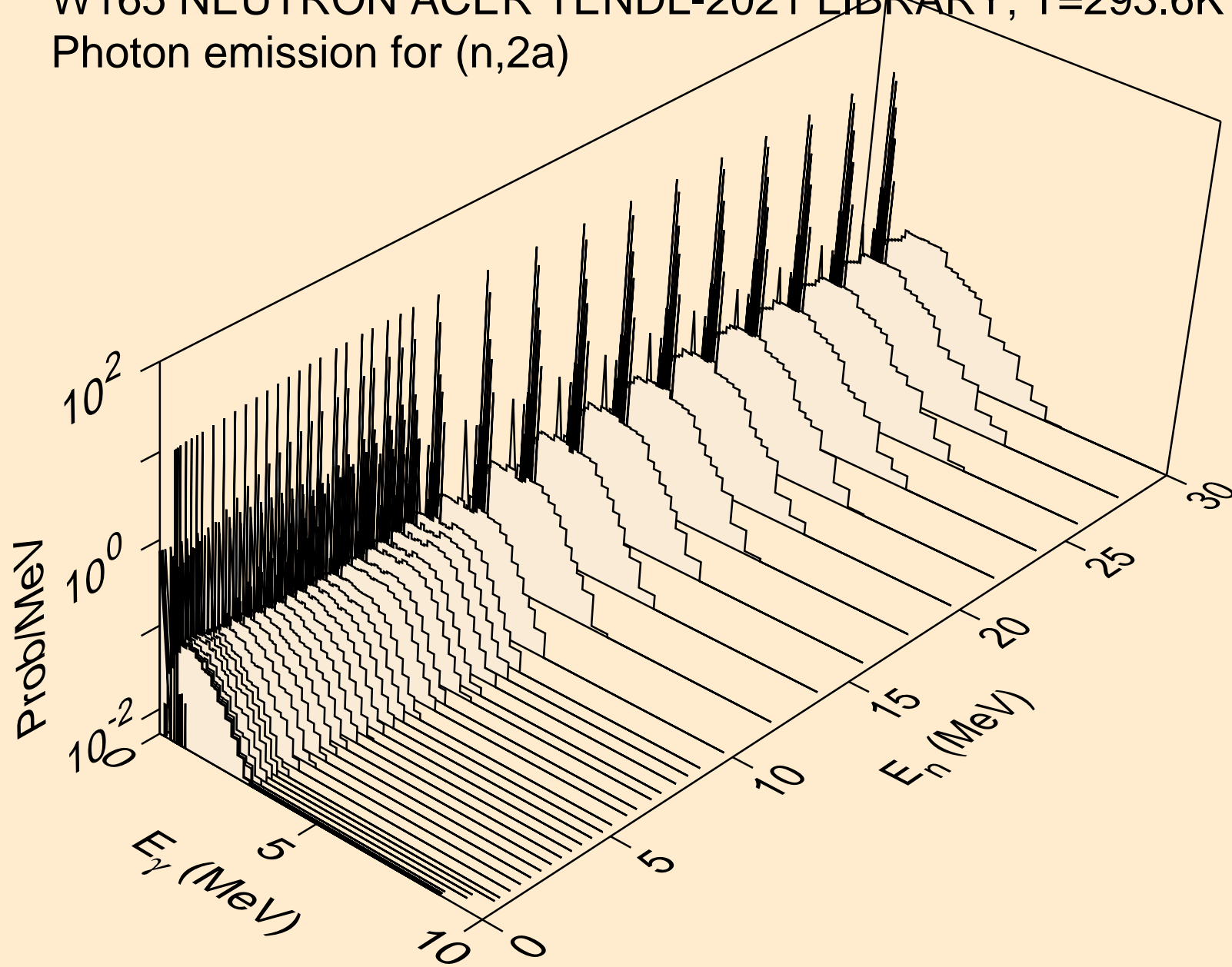
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Photon emission for (n,he3)



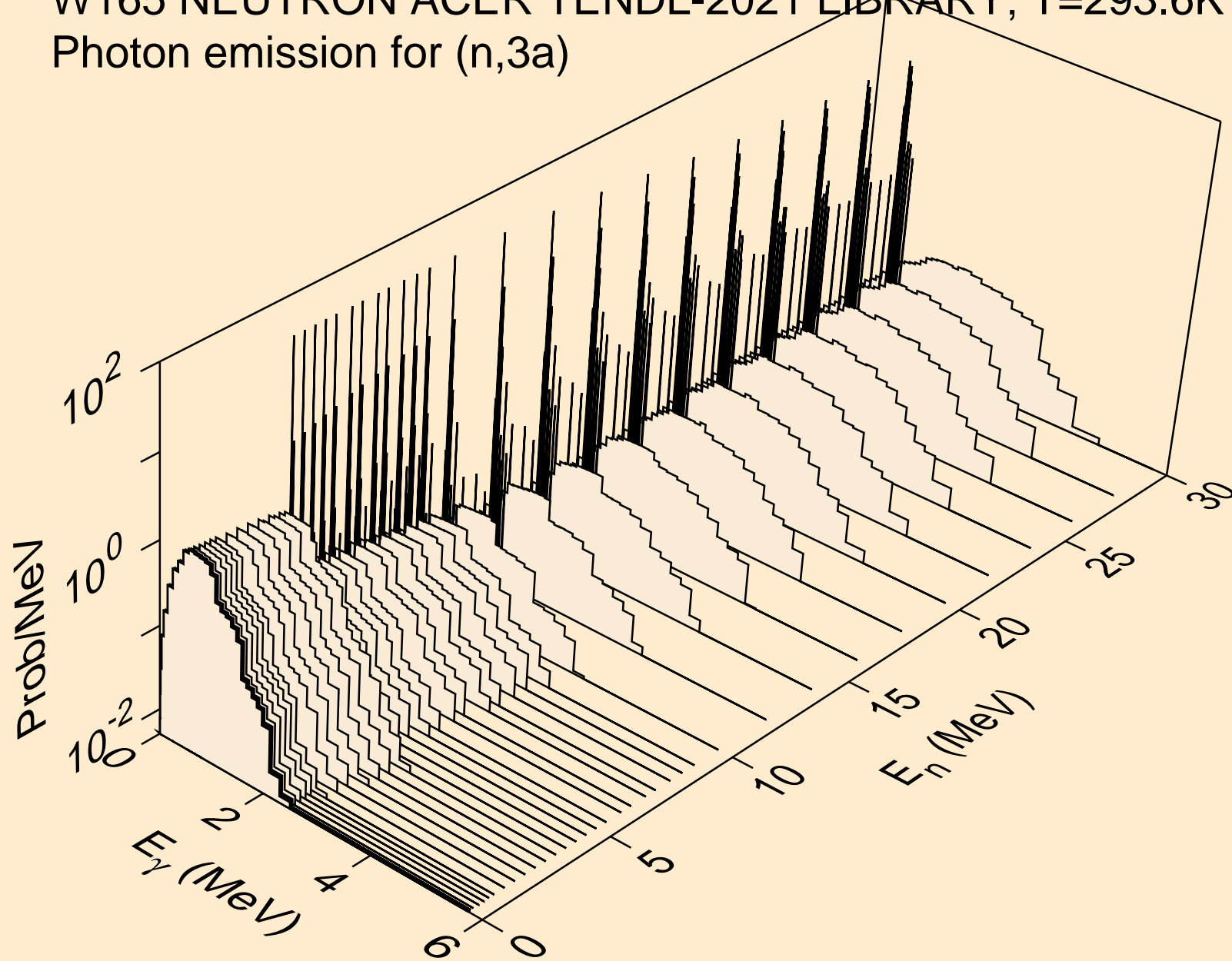
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Photon emission for (n,a)



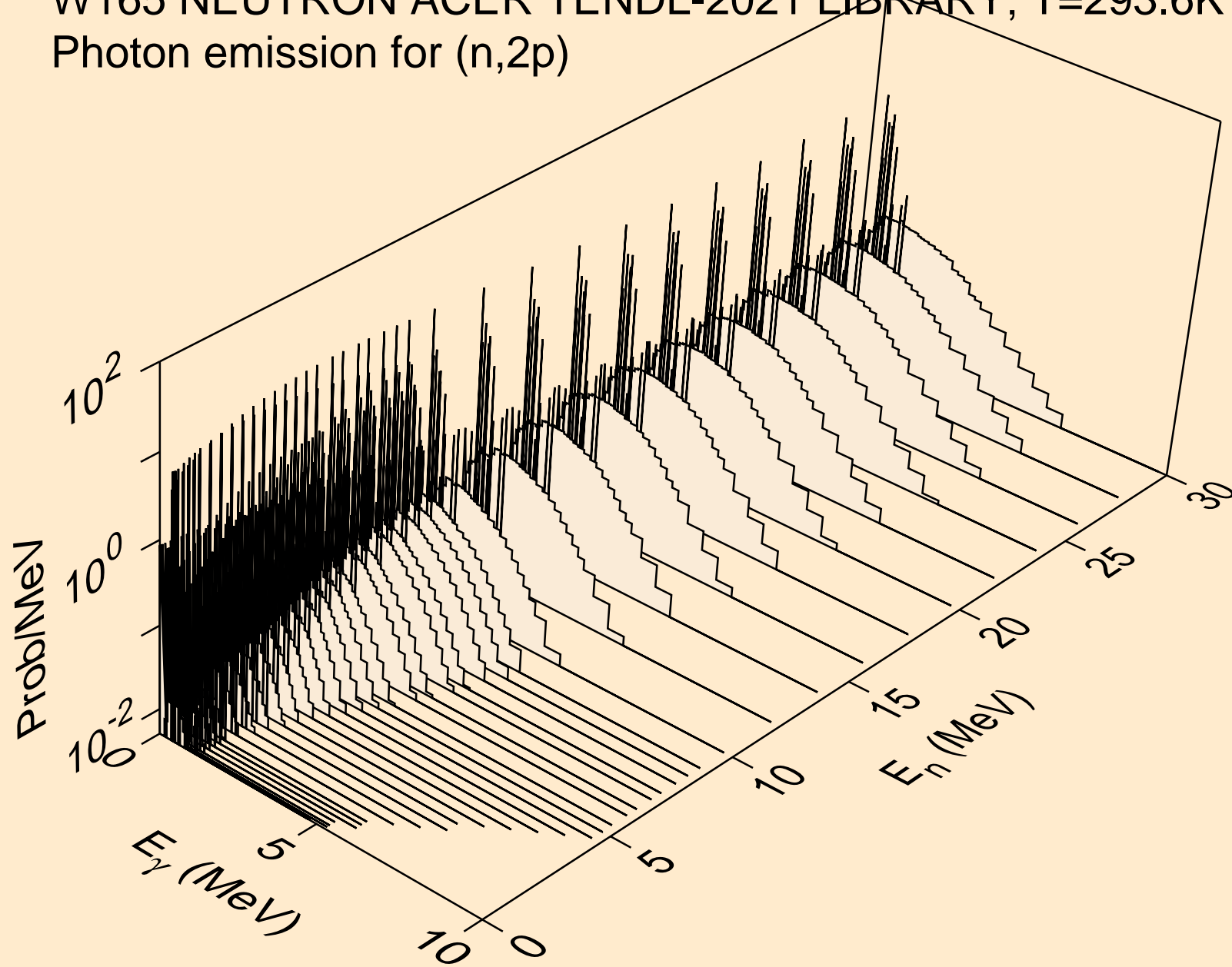
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Photon emission for (n,2a)



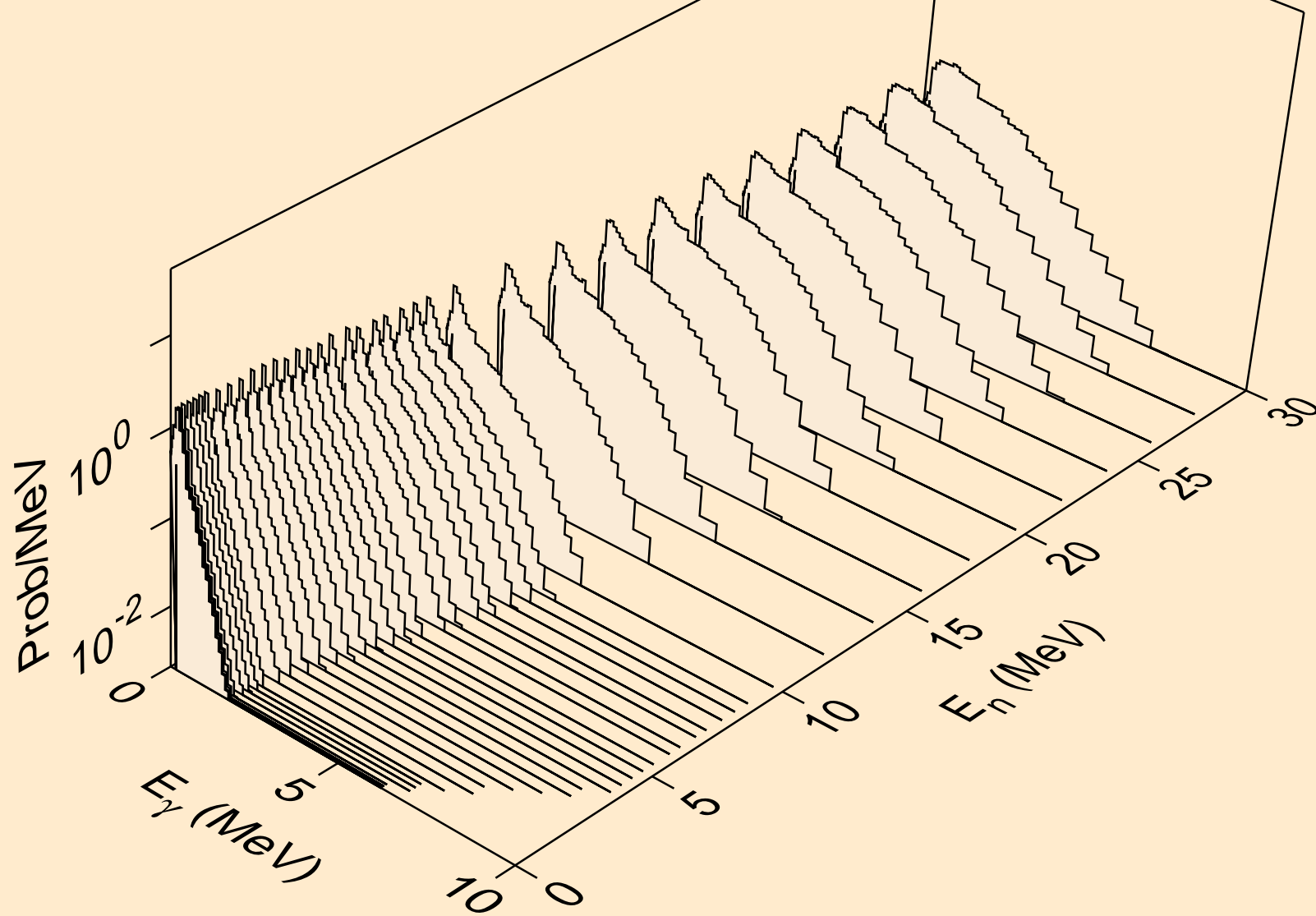
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Photon emission for (n,3a)



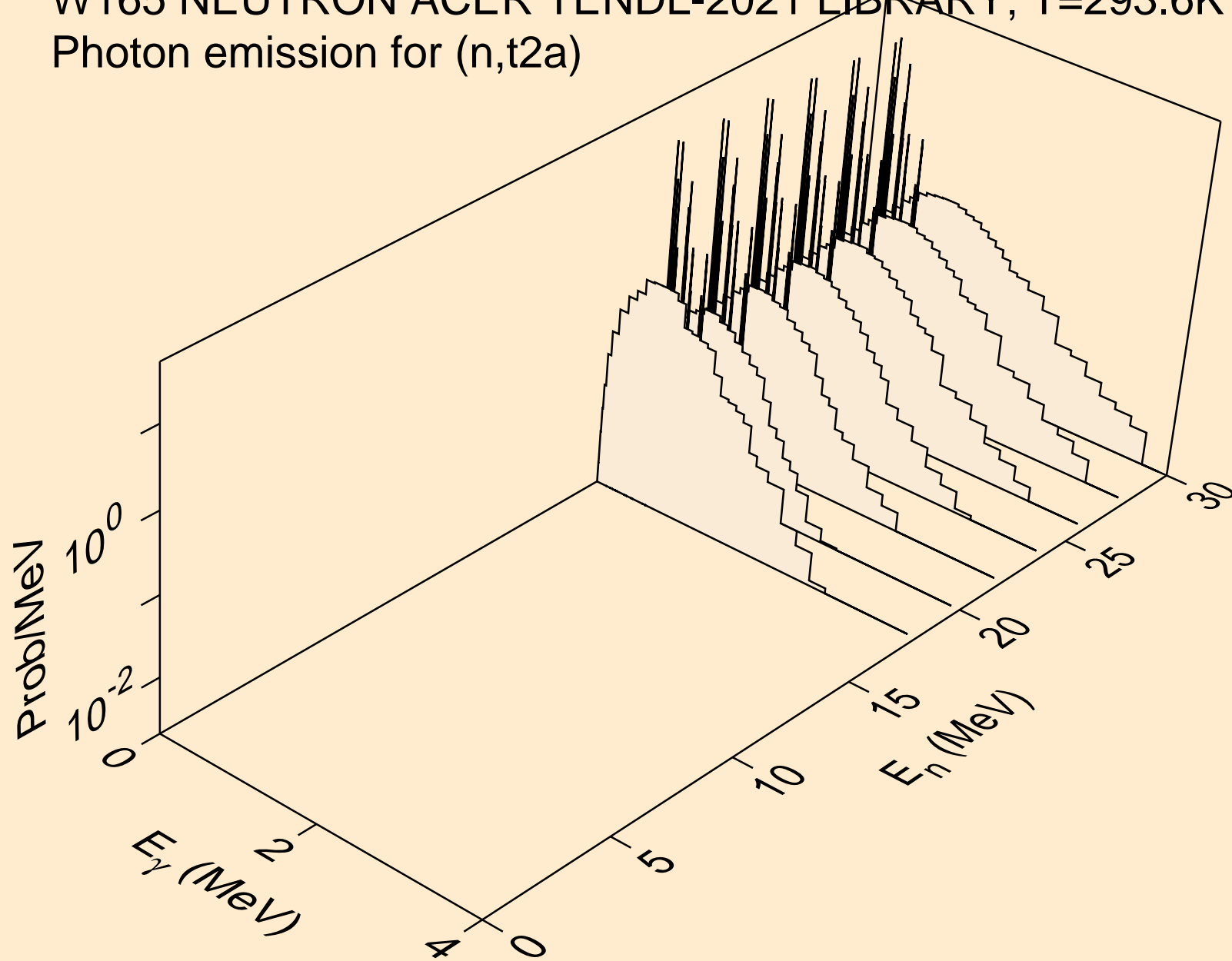
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

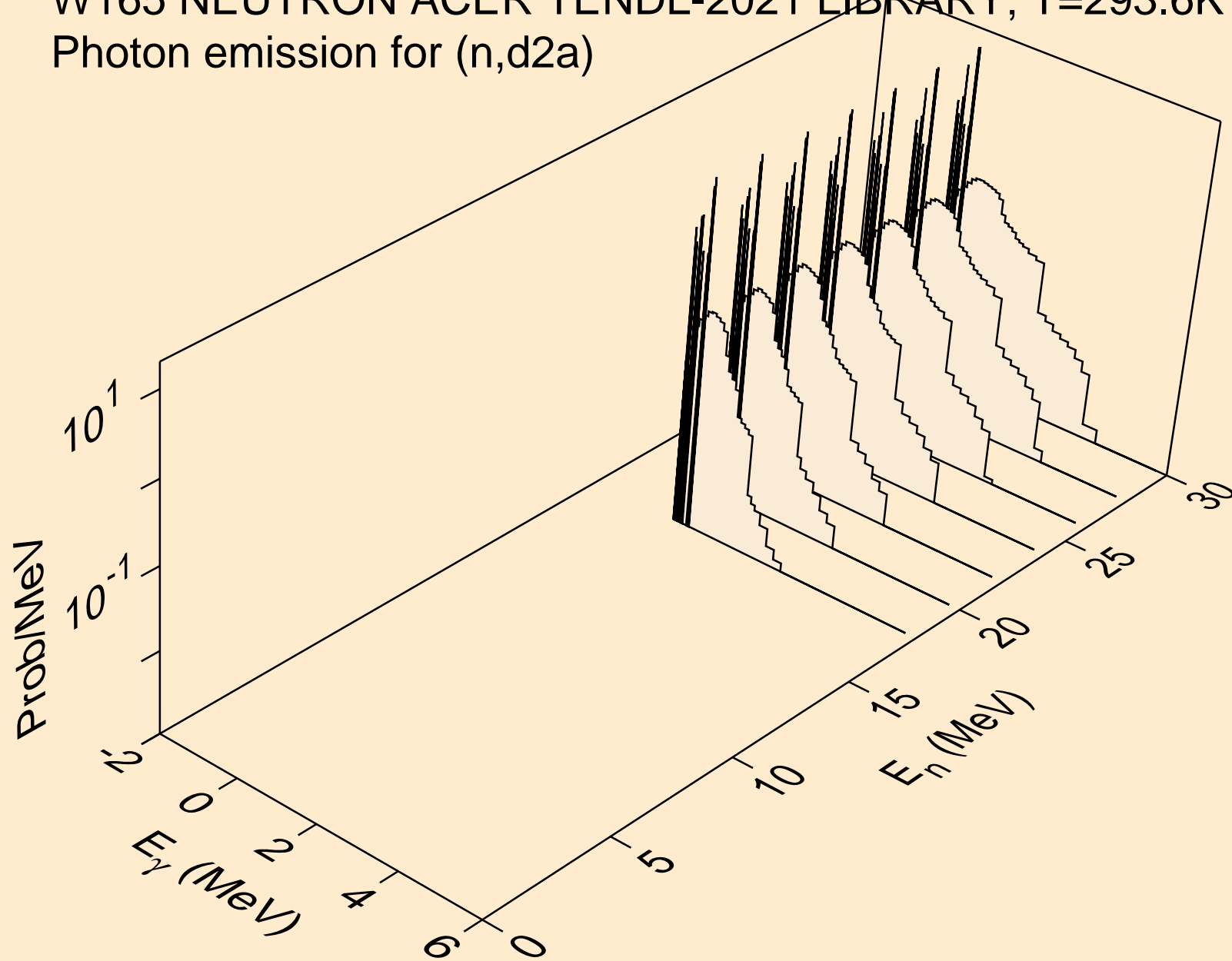


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Photon emission for (n,t2a)

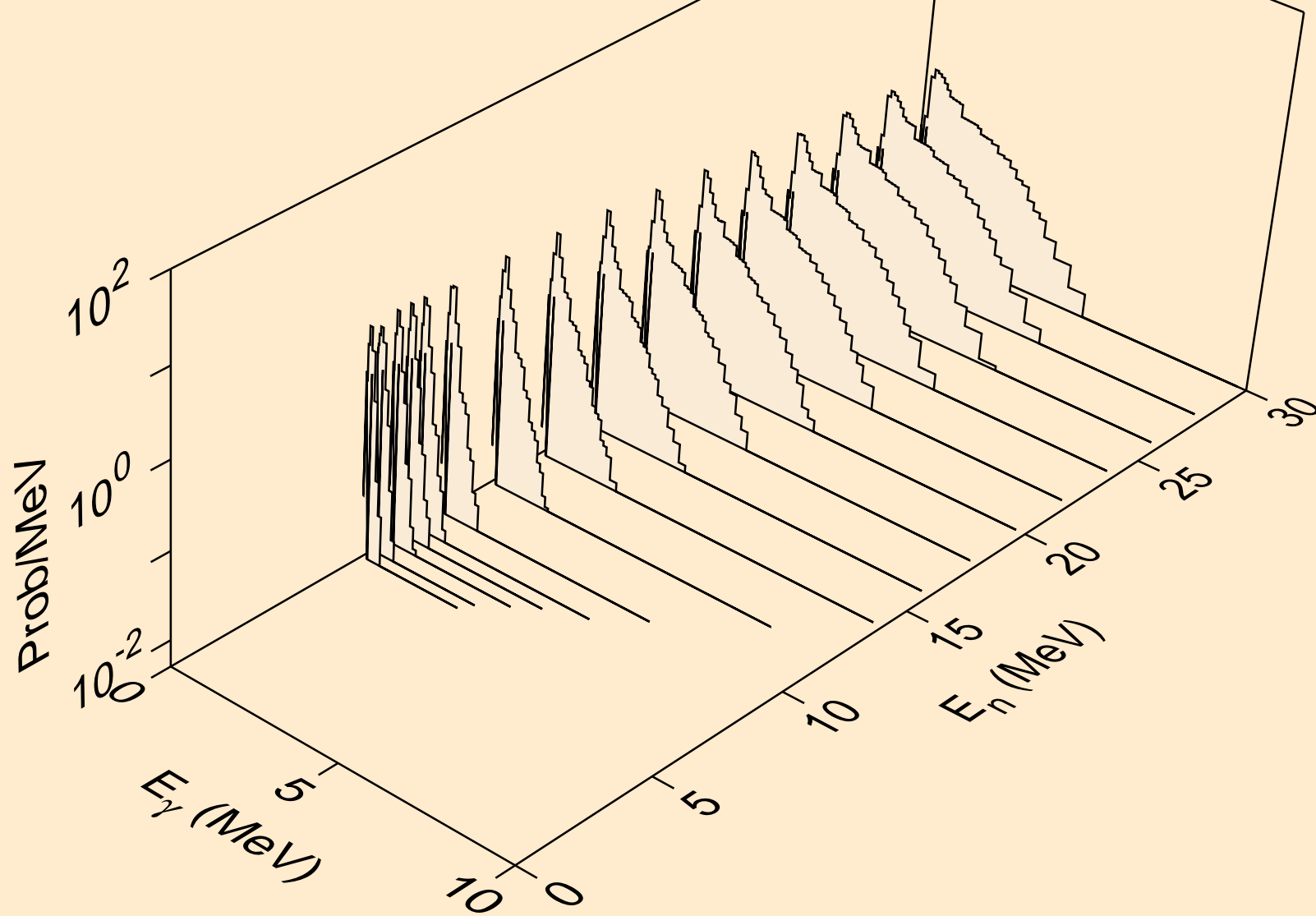




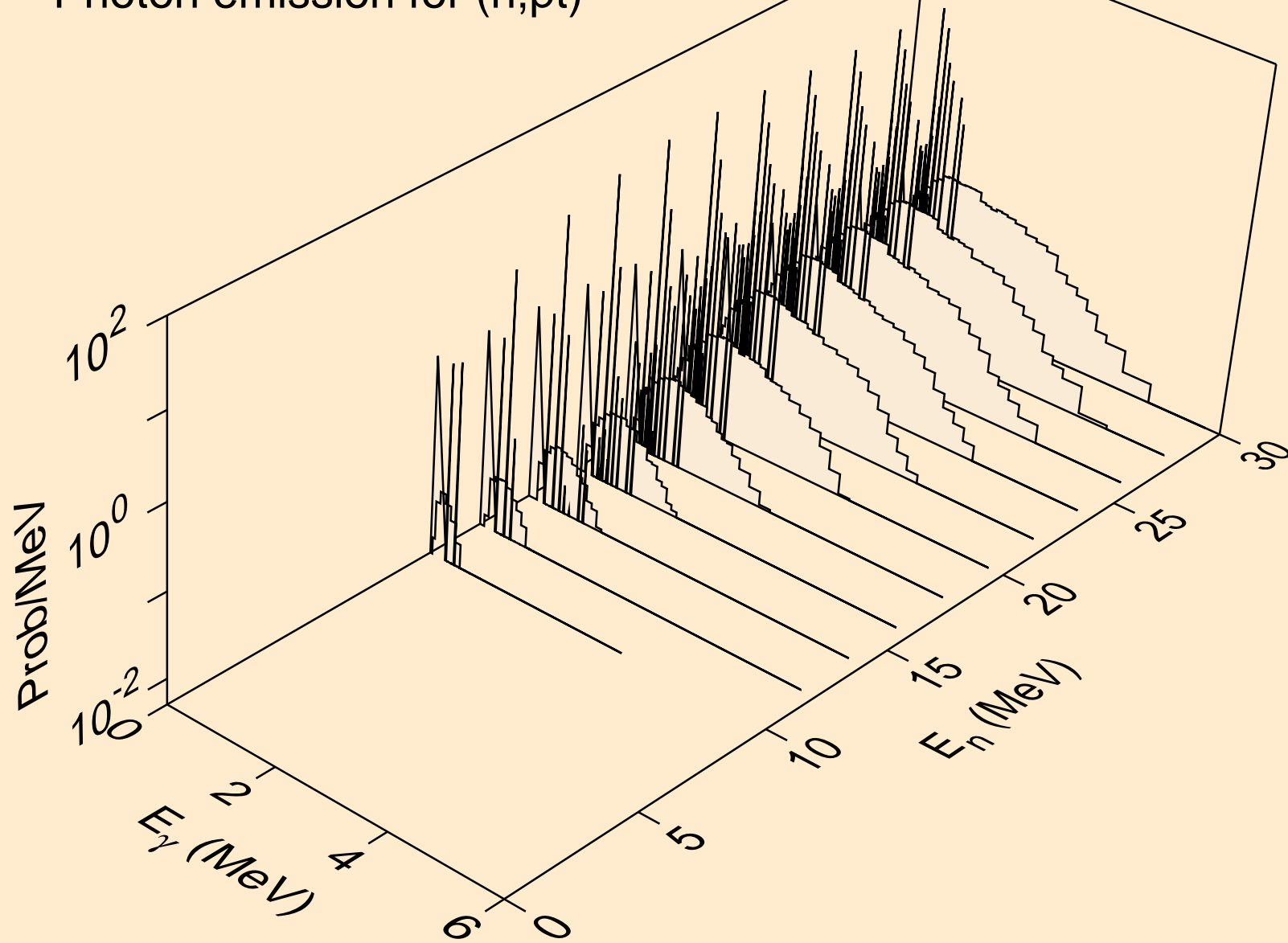
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Photon emission for (n,d2a)



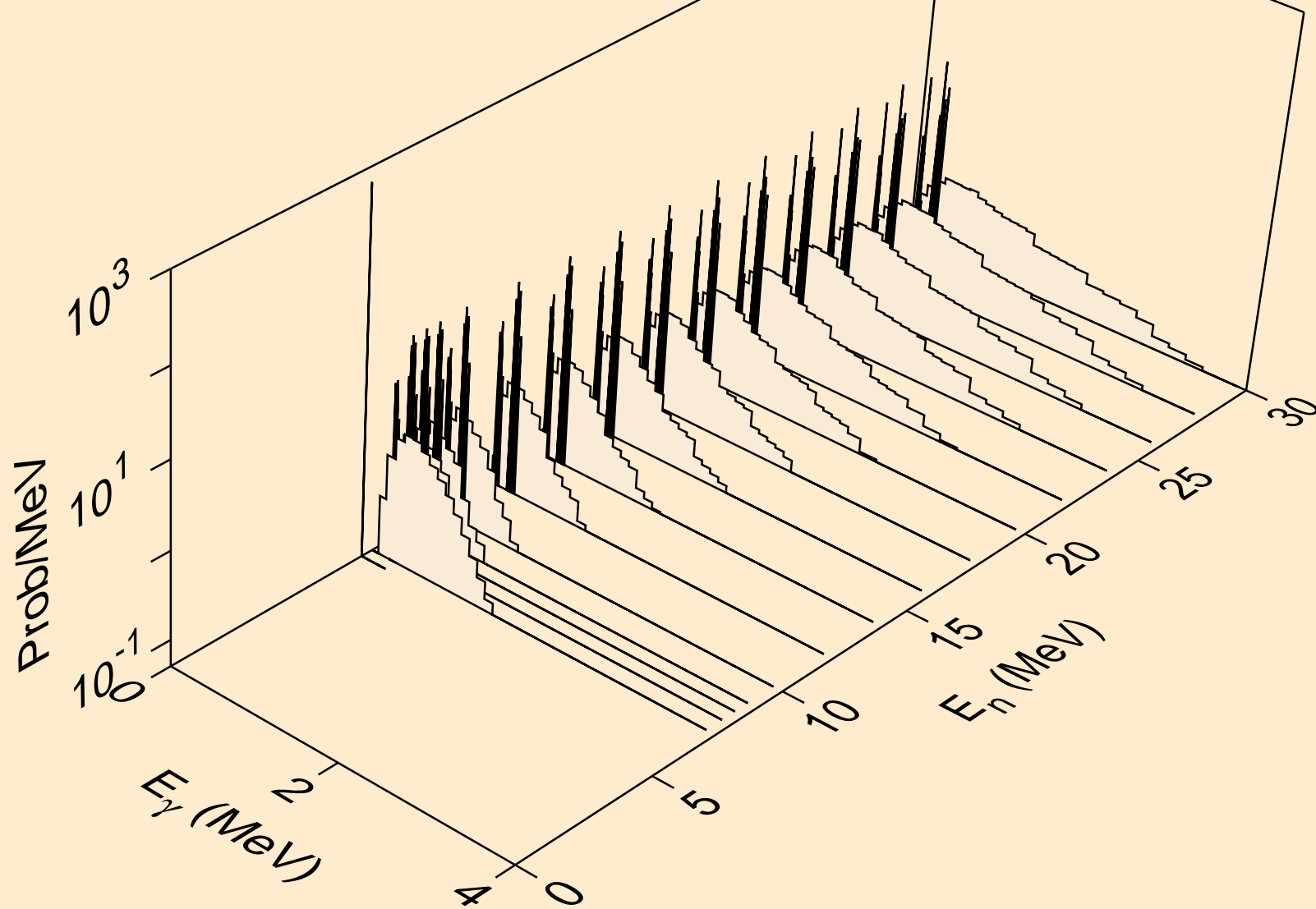
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Photon emission for (n,pd)



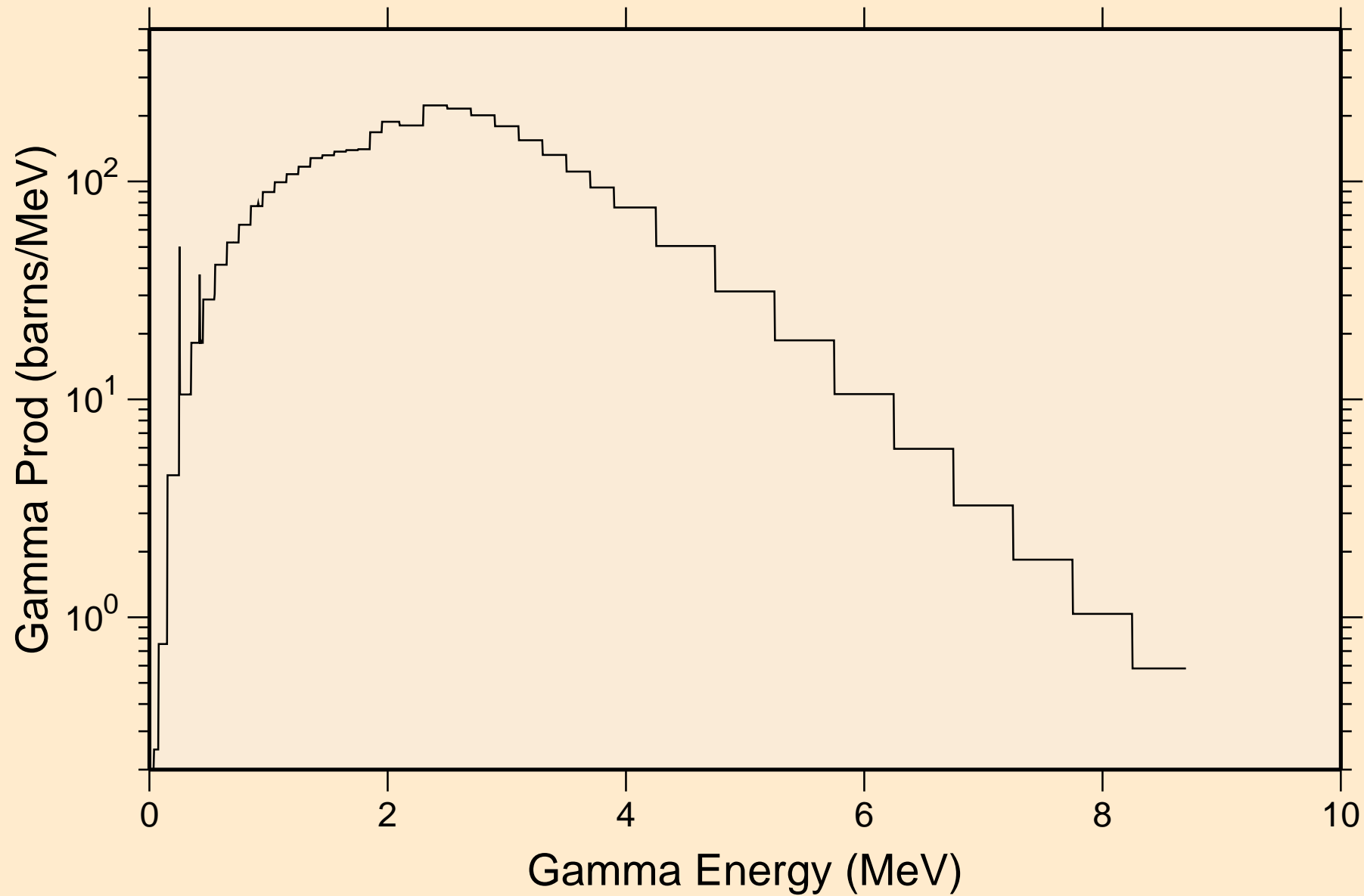
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Photon emission for (n,pt)



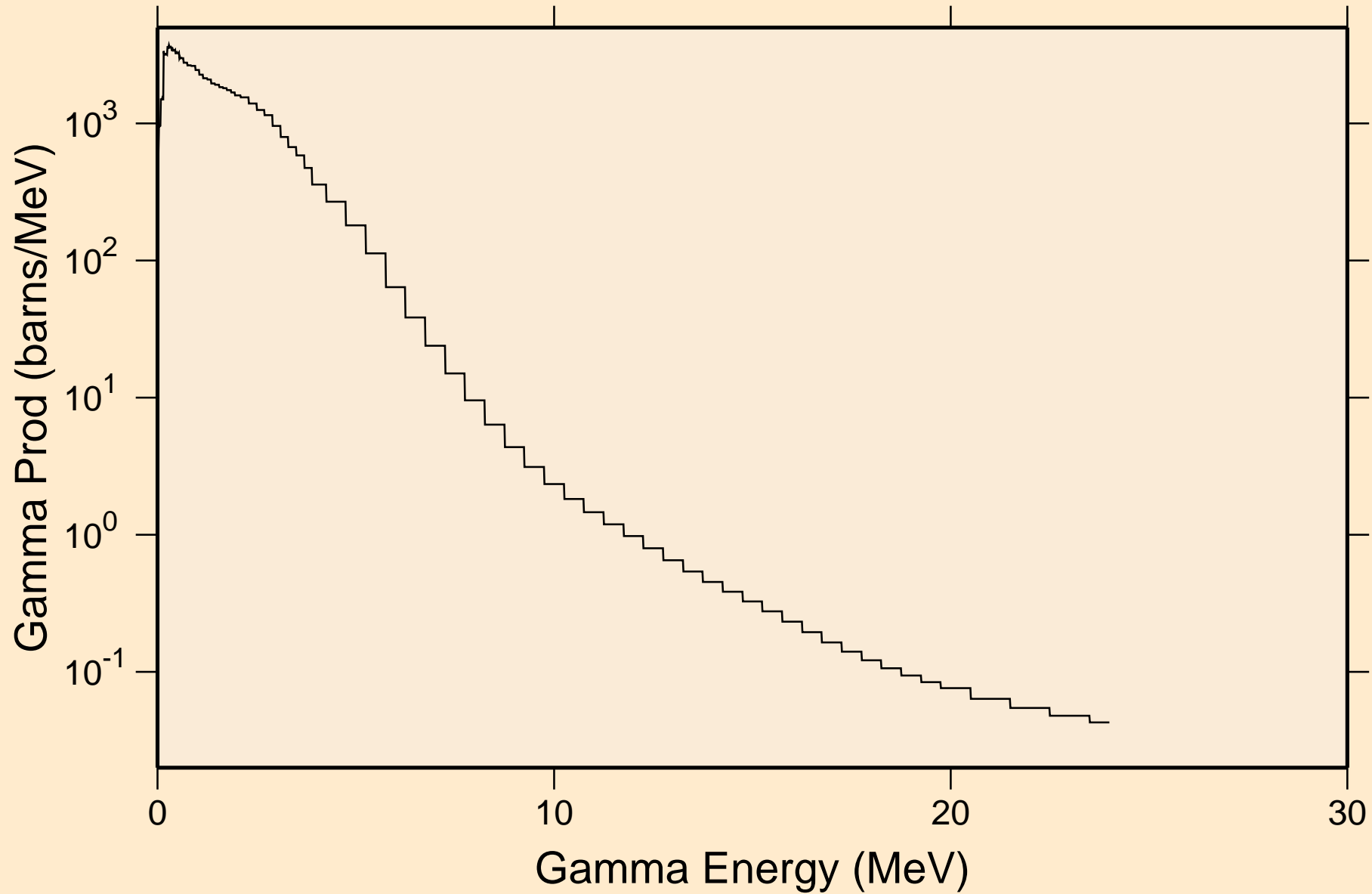
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

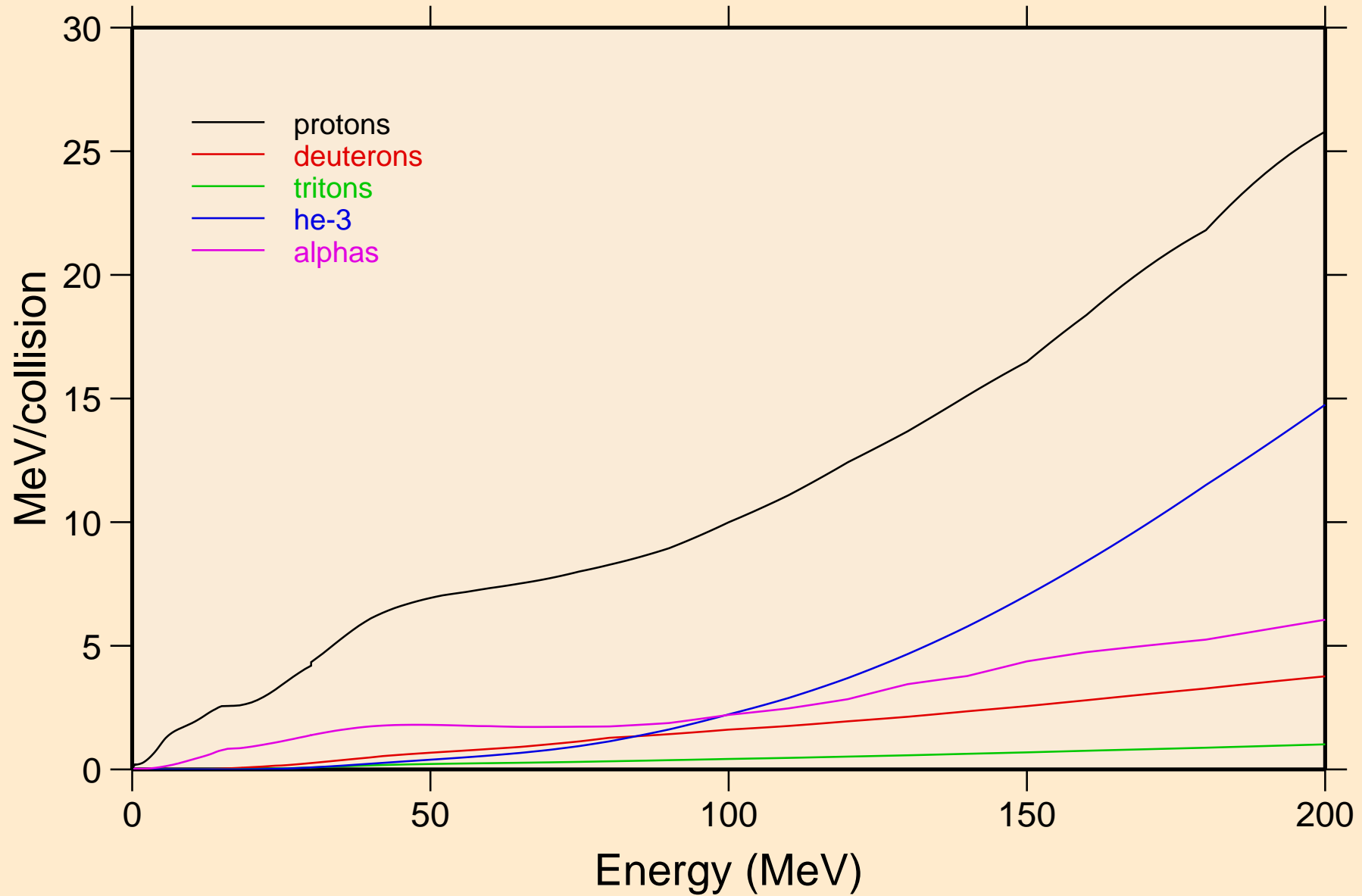


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14 MeV photon spectrum

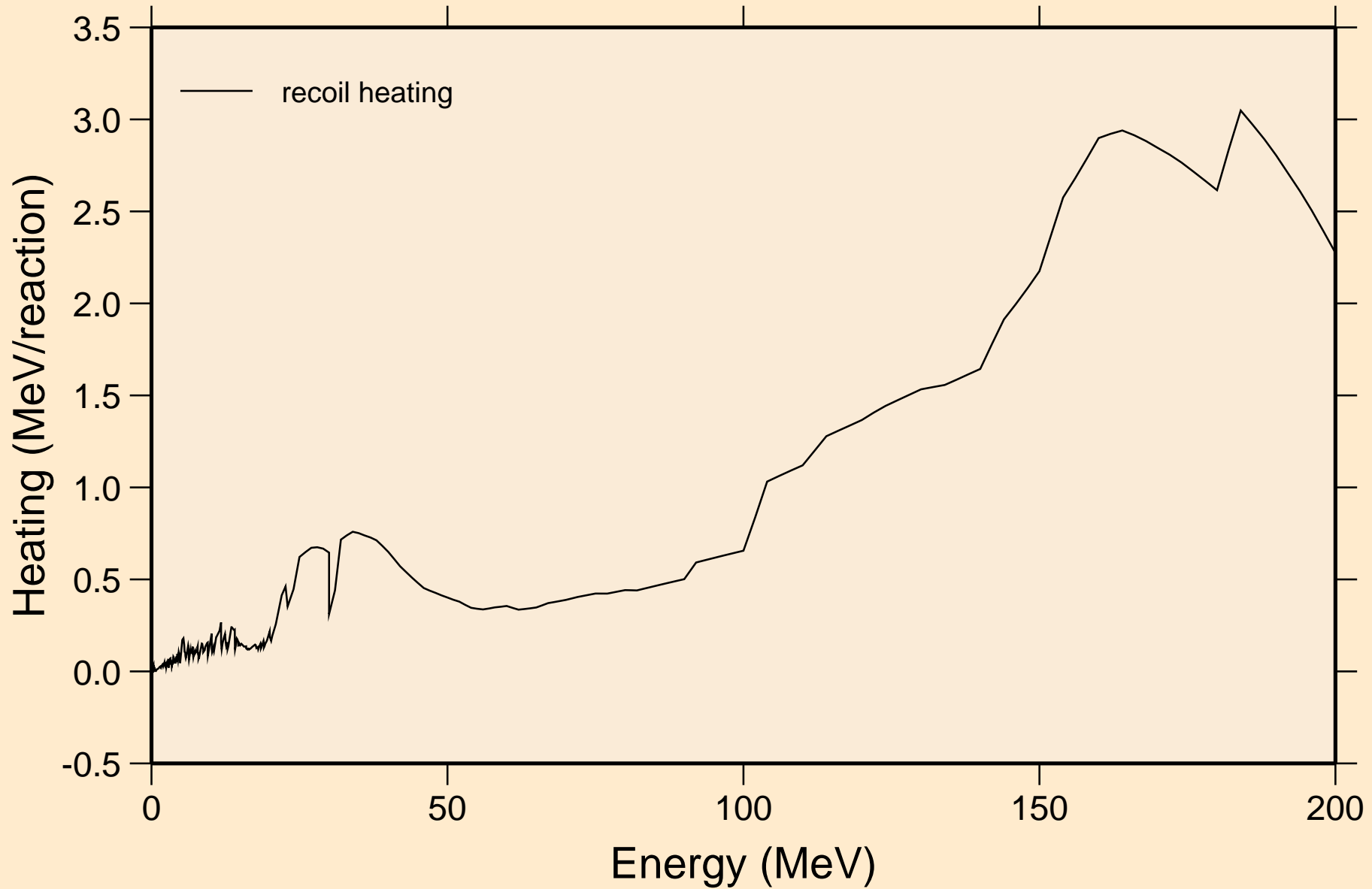


# W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

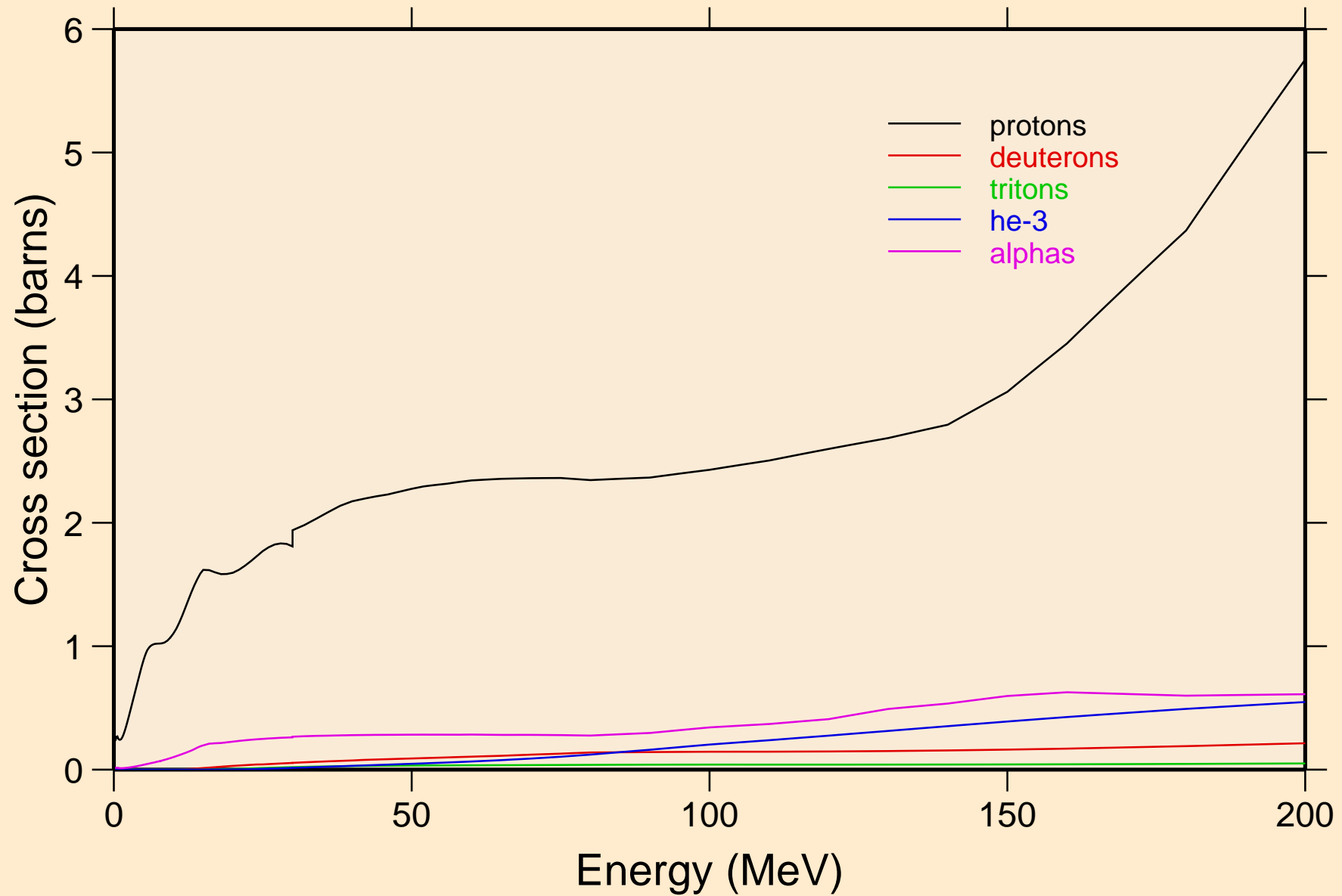


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Recoil Heating

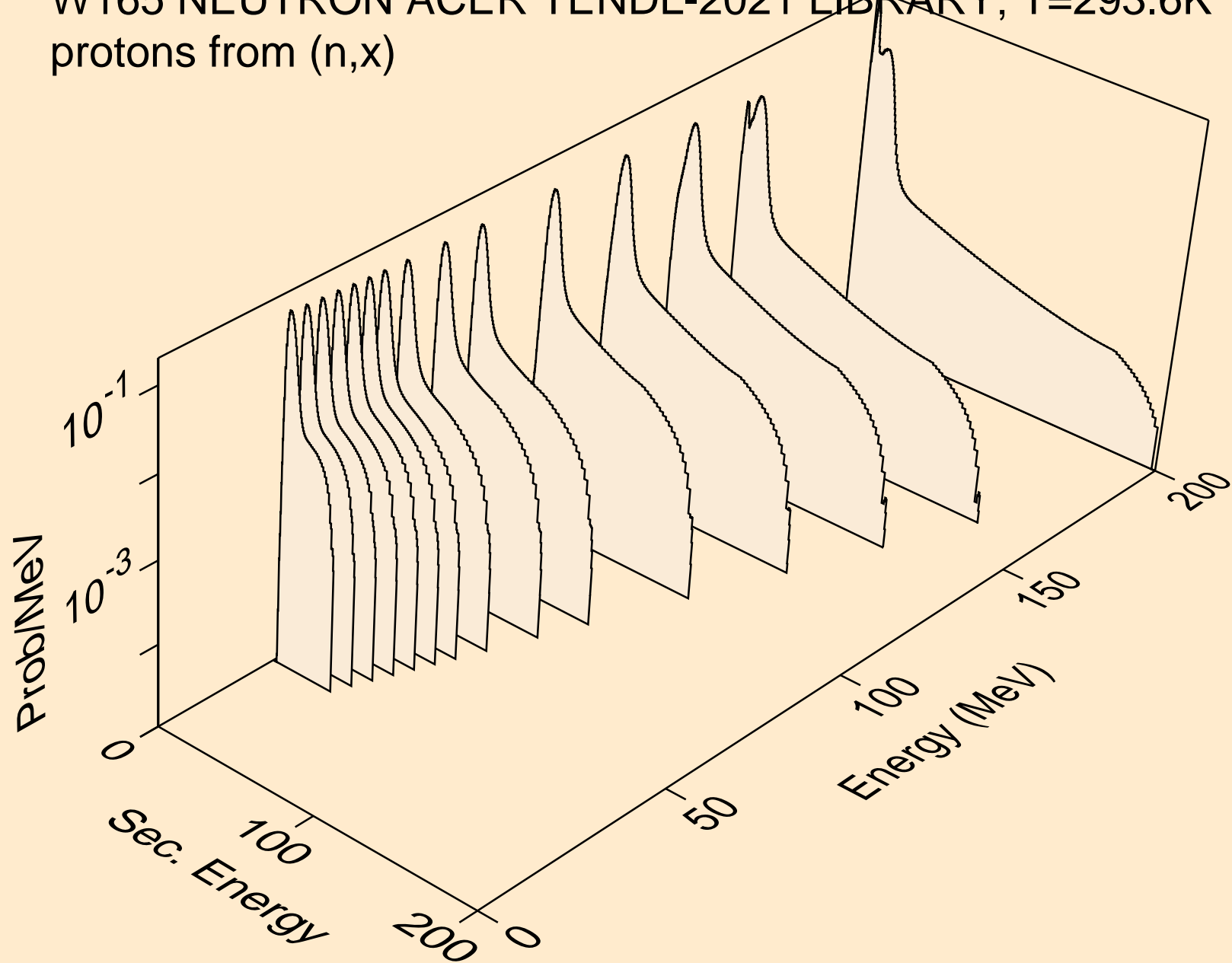




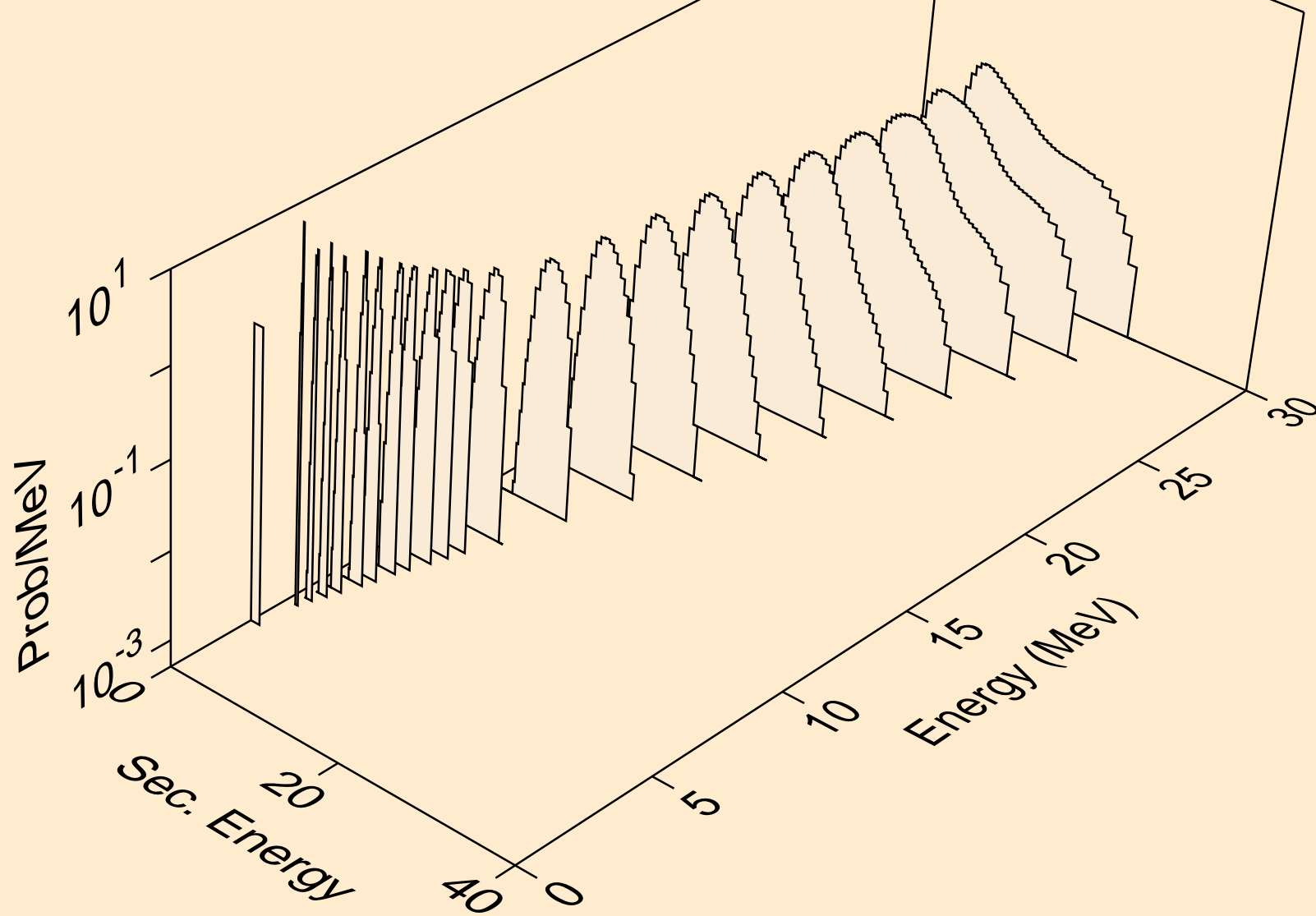
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Particle production cross sections



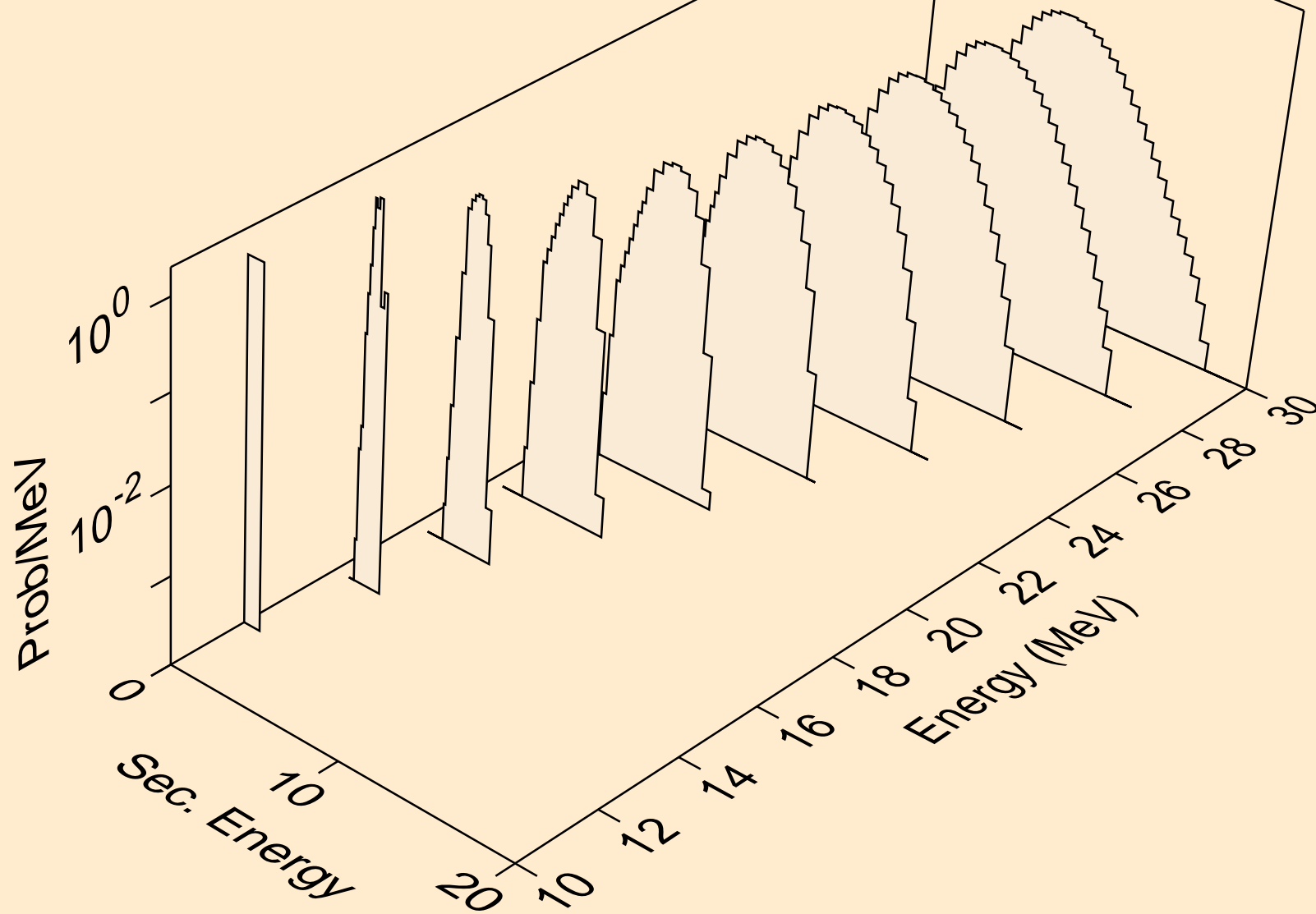
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



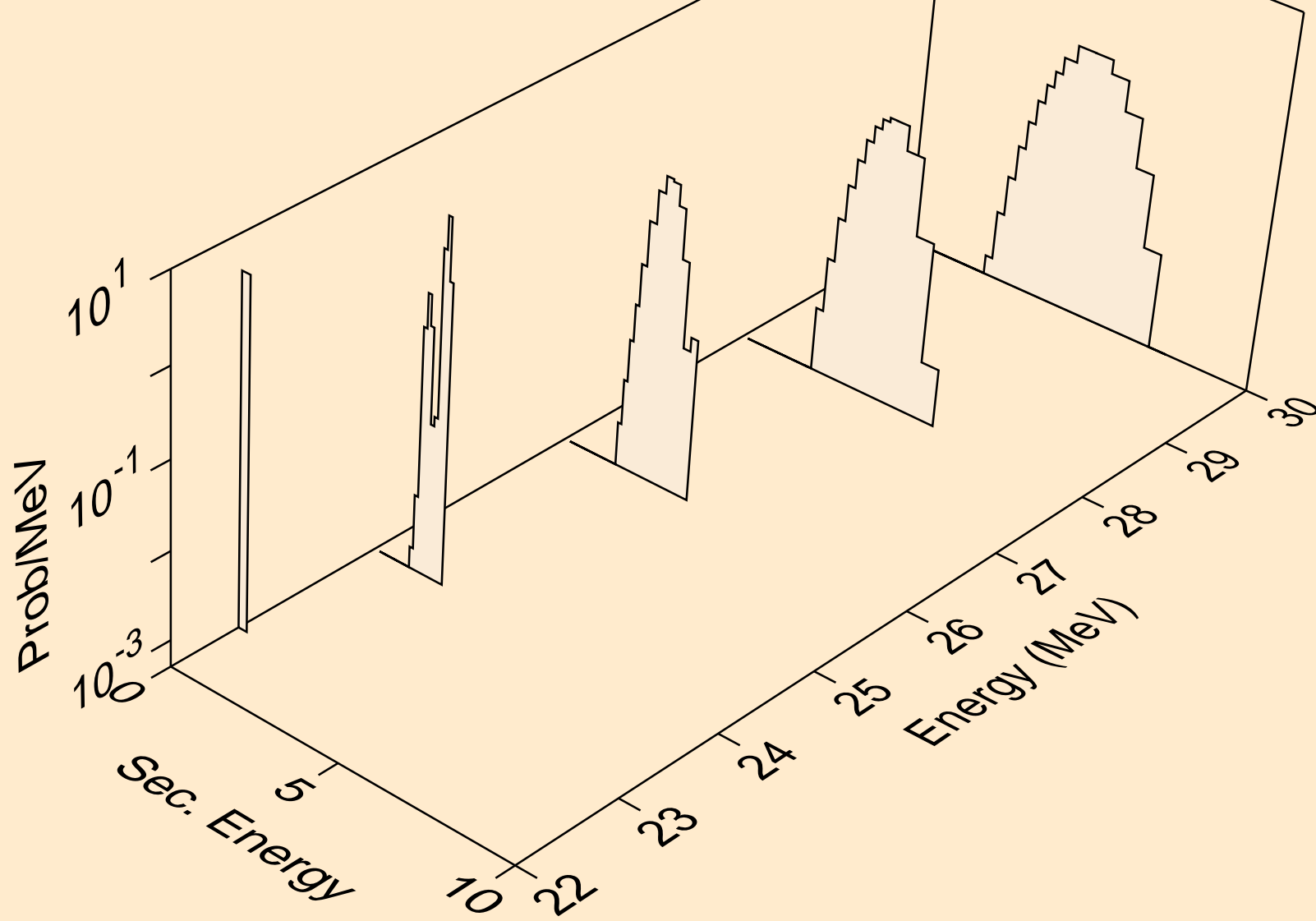
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protons from (n,n\*)p



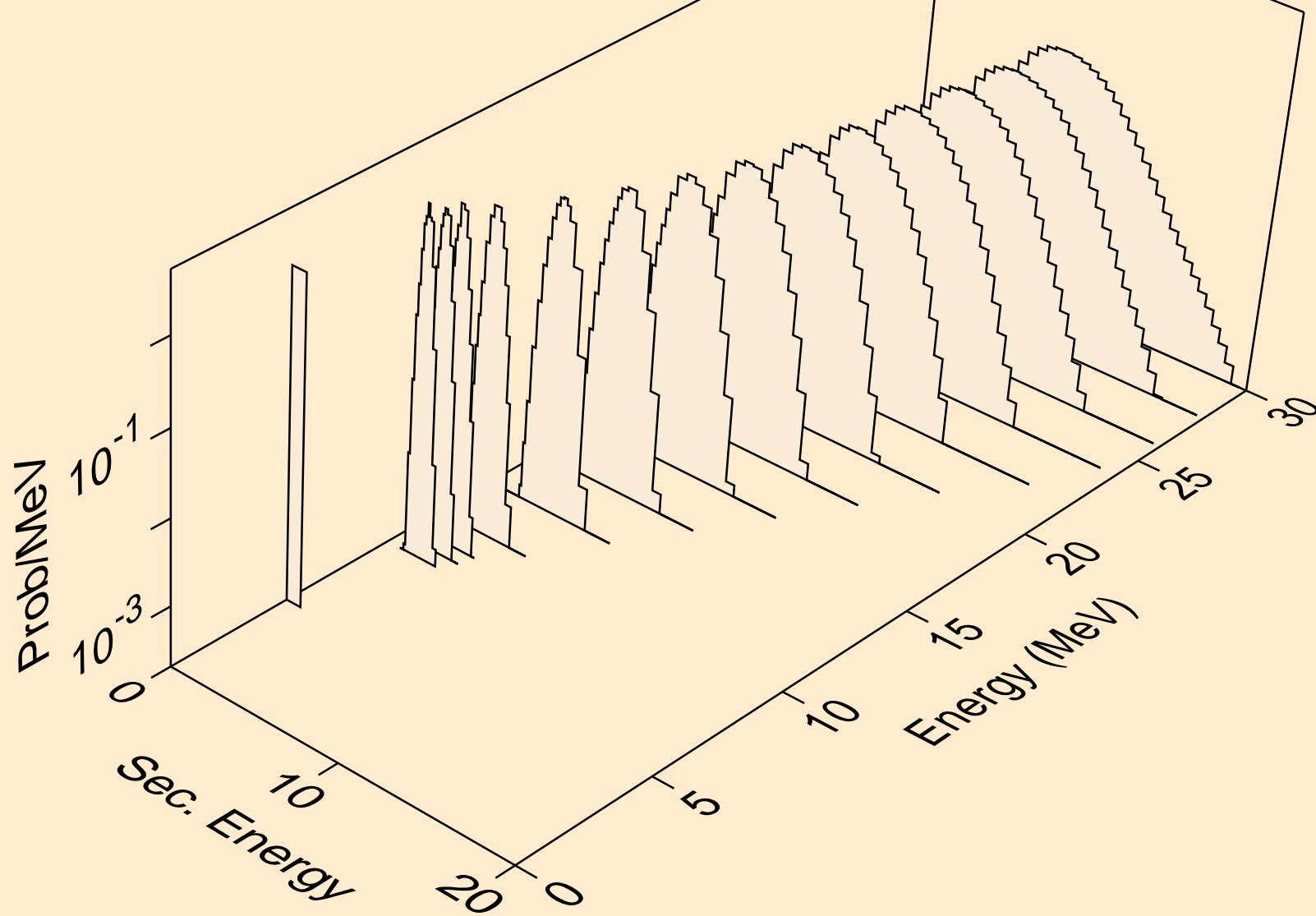
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protons from (n,2np)



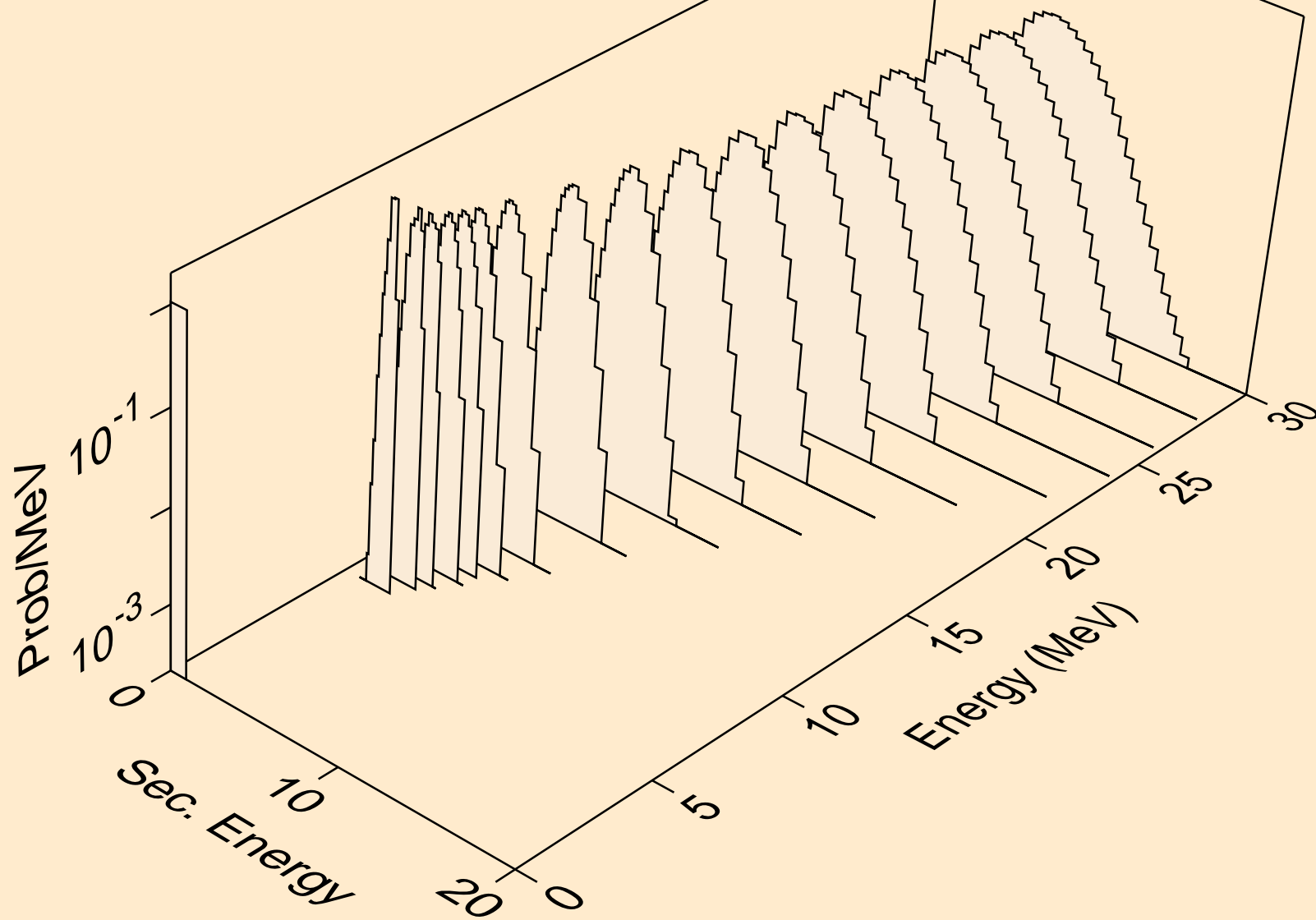
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protons from (n,3np)



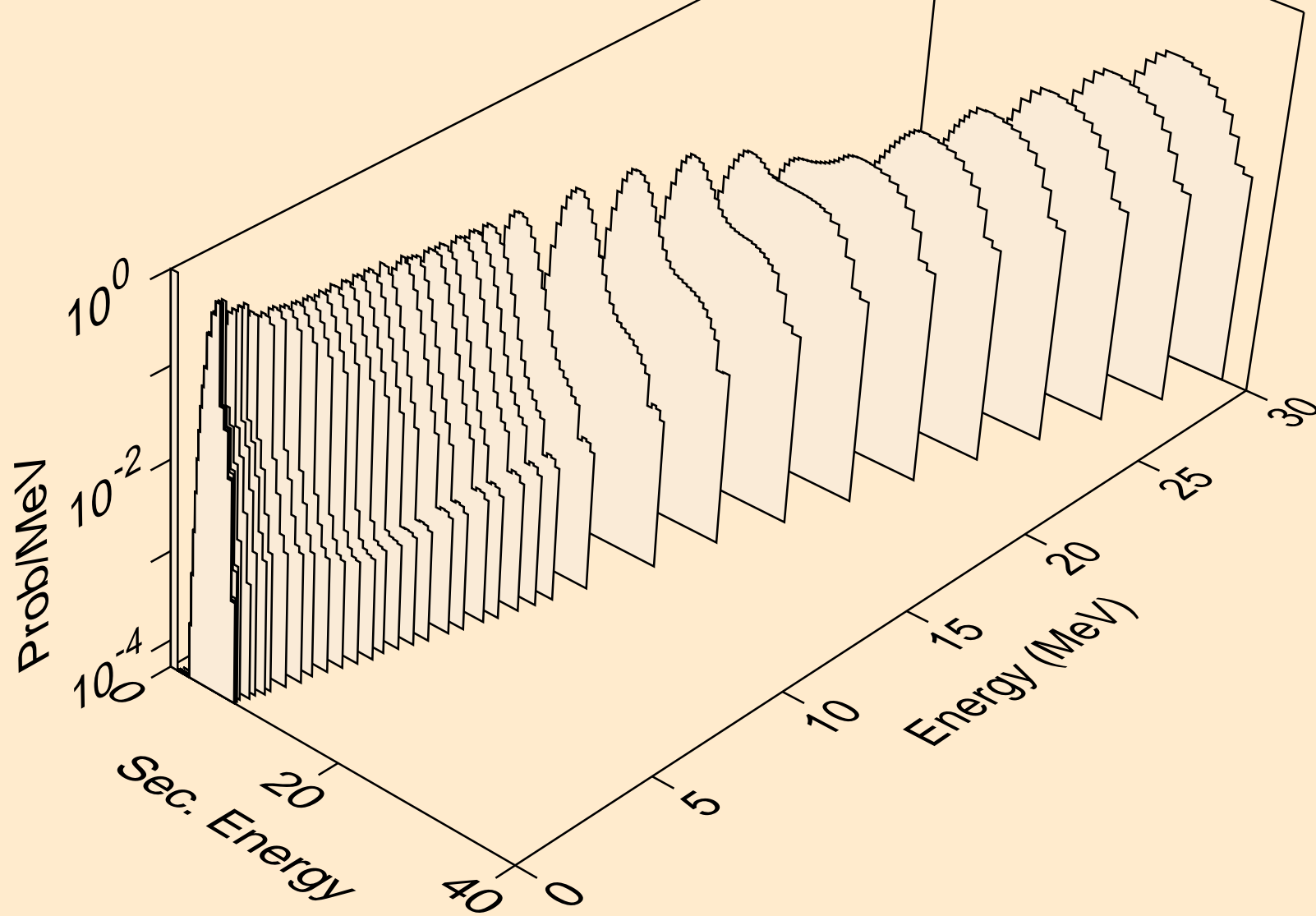
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W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

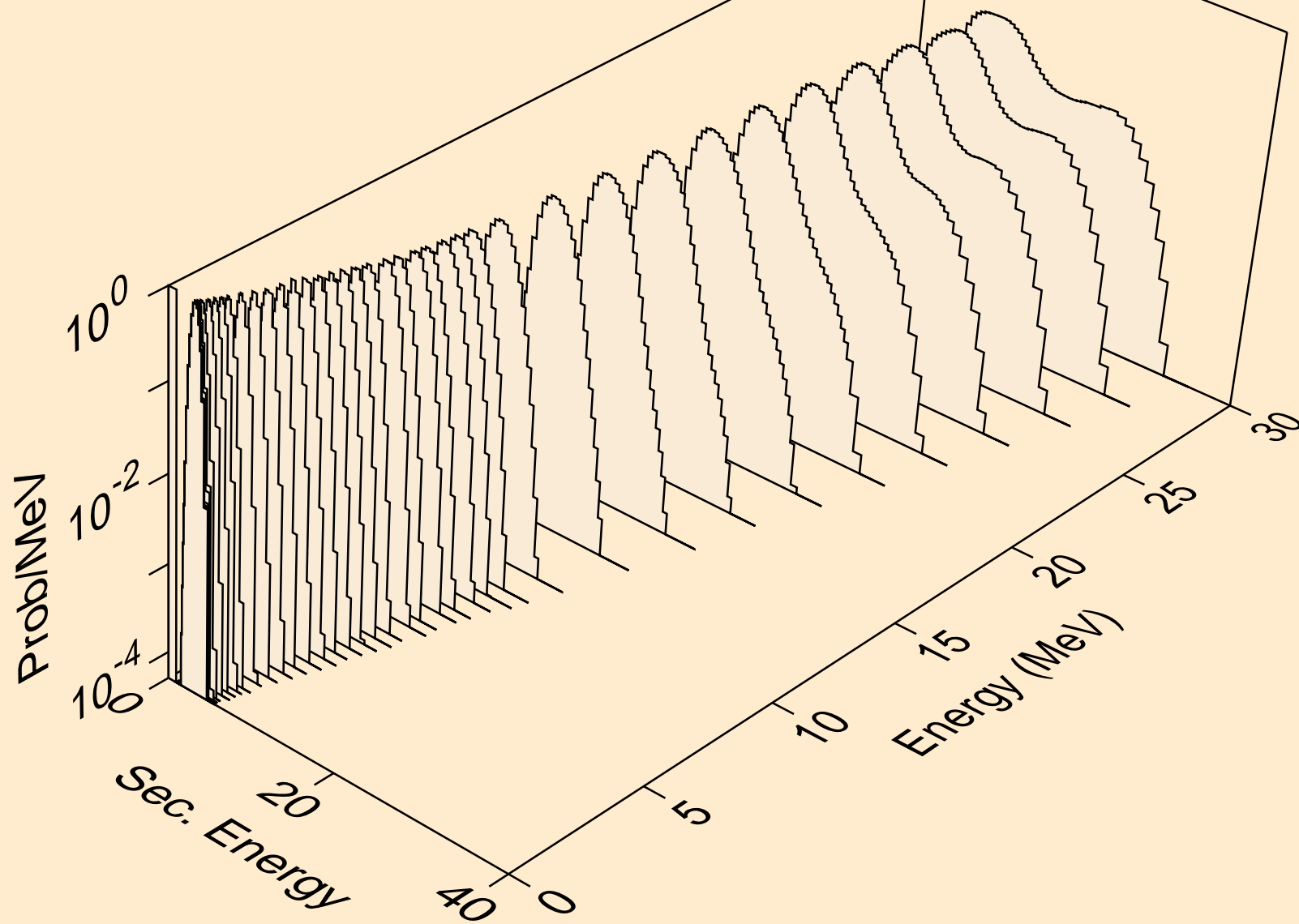


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protons from (n,p)

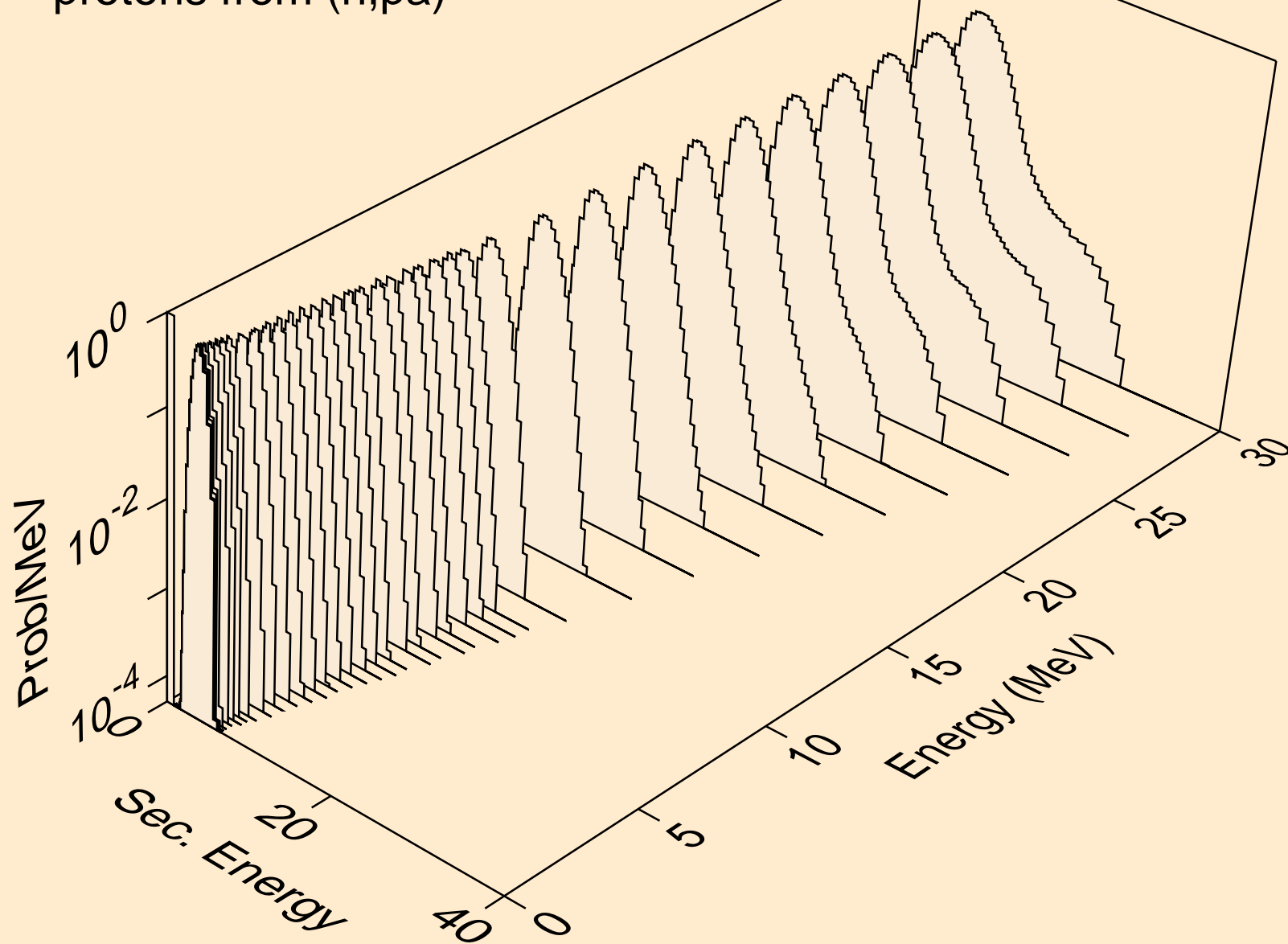




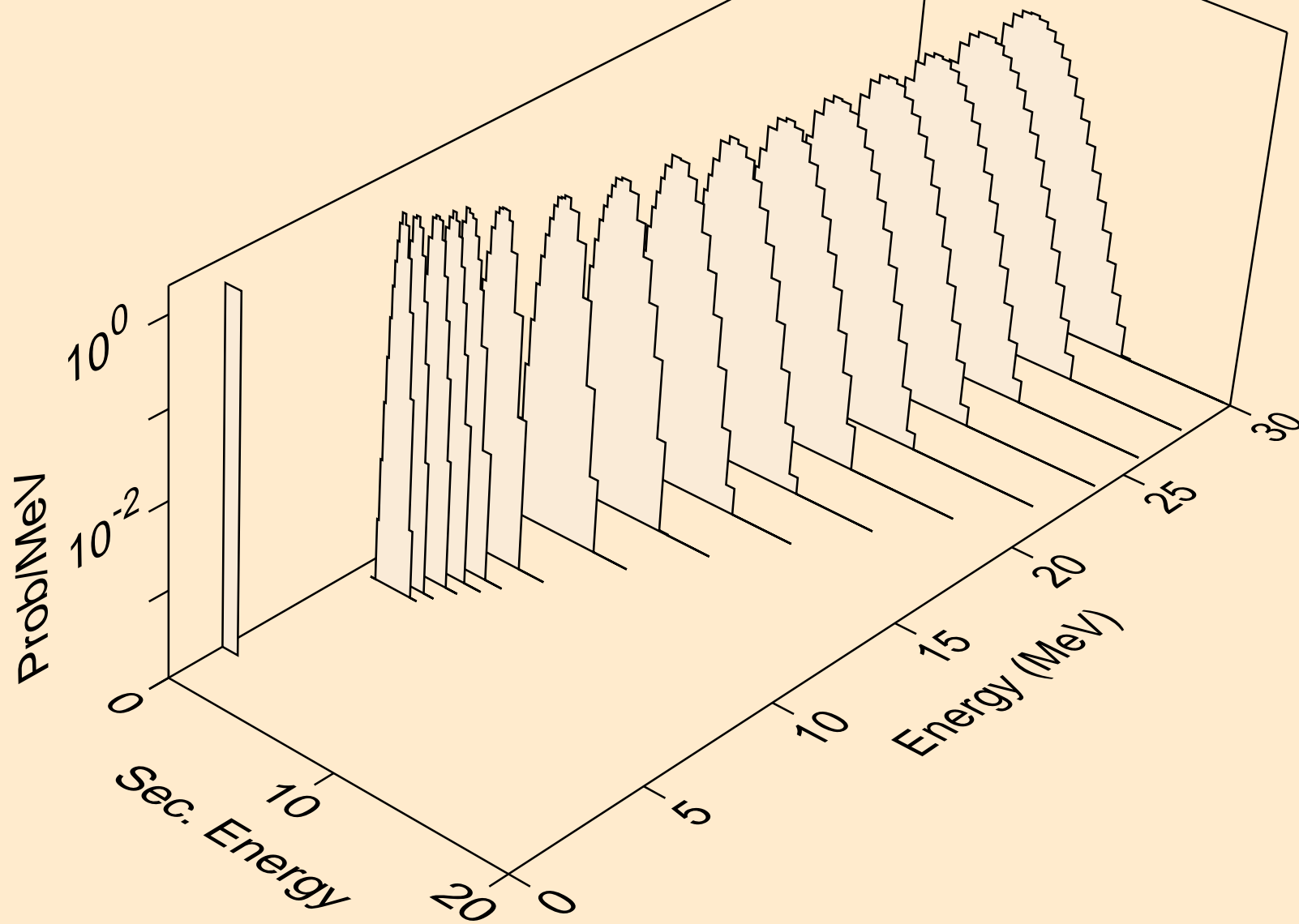
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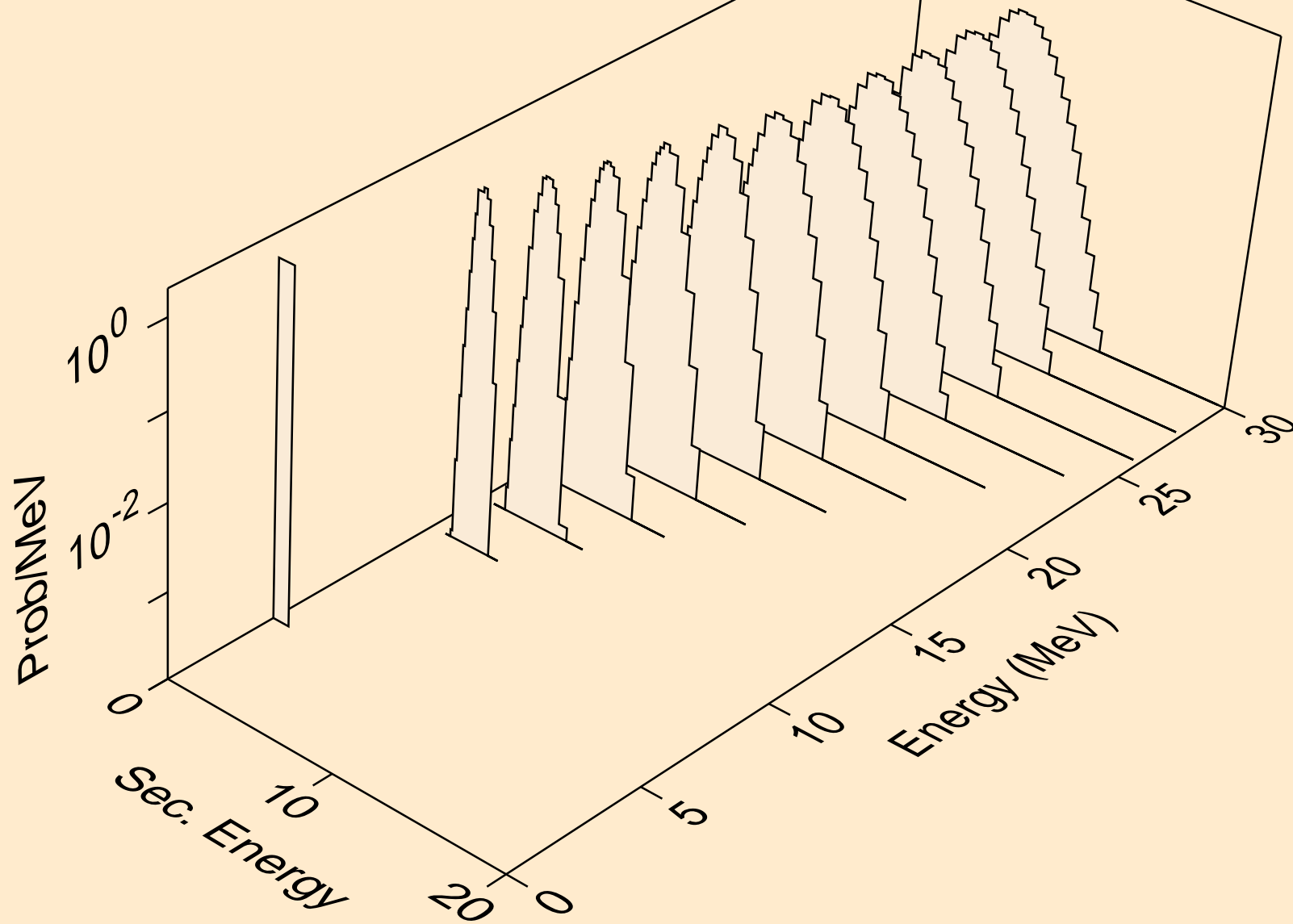
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protons from (n,p)



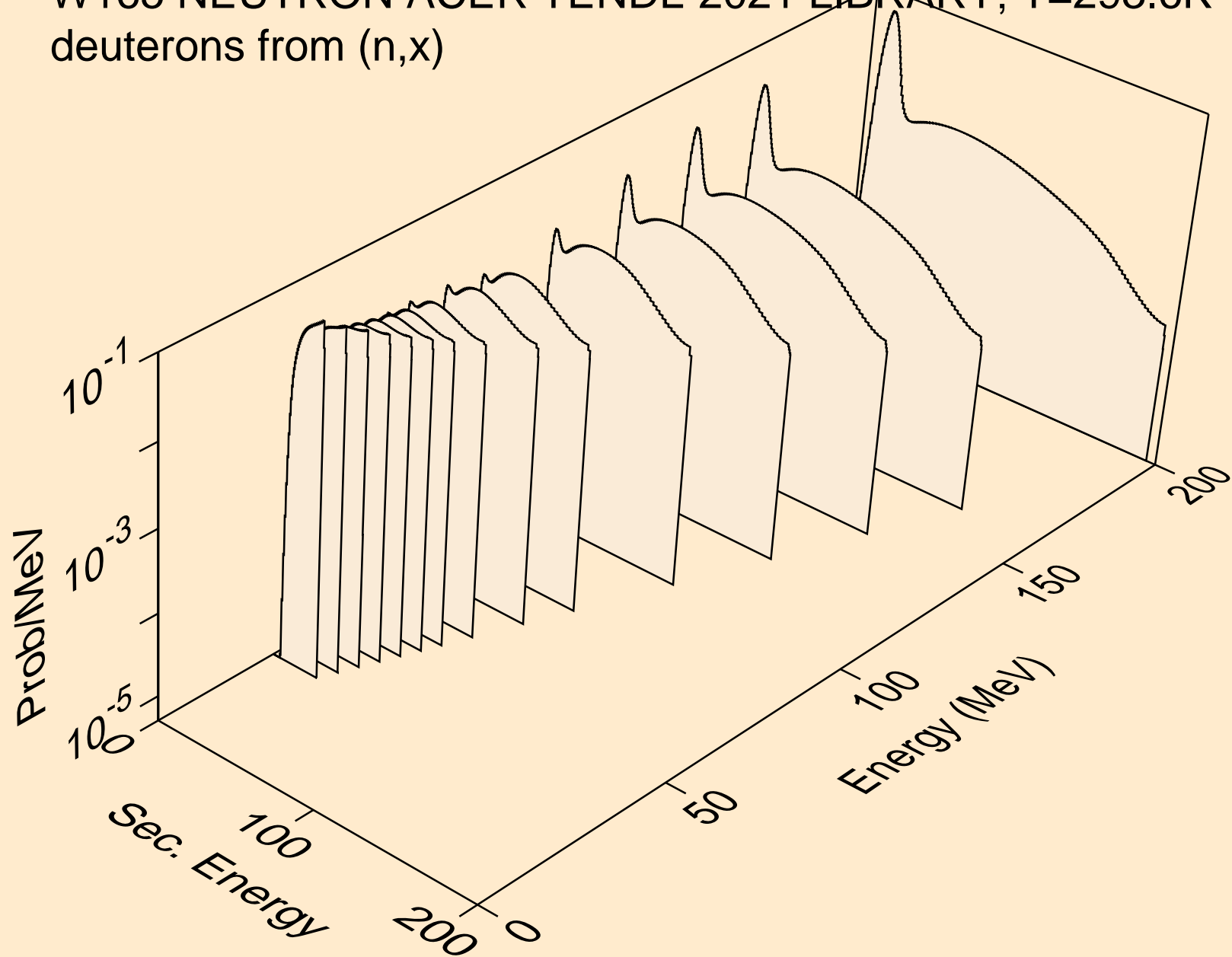
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protons from (n,pd)



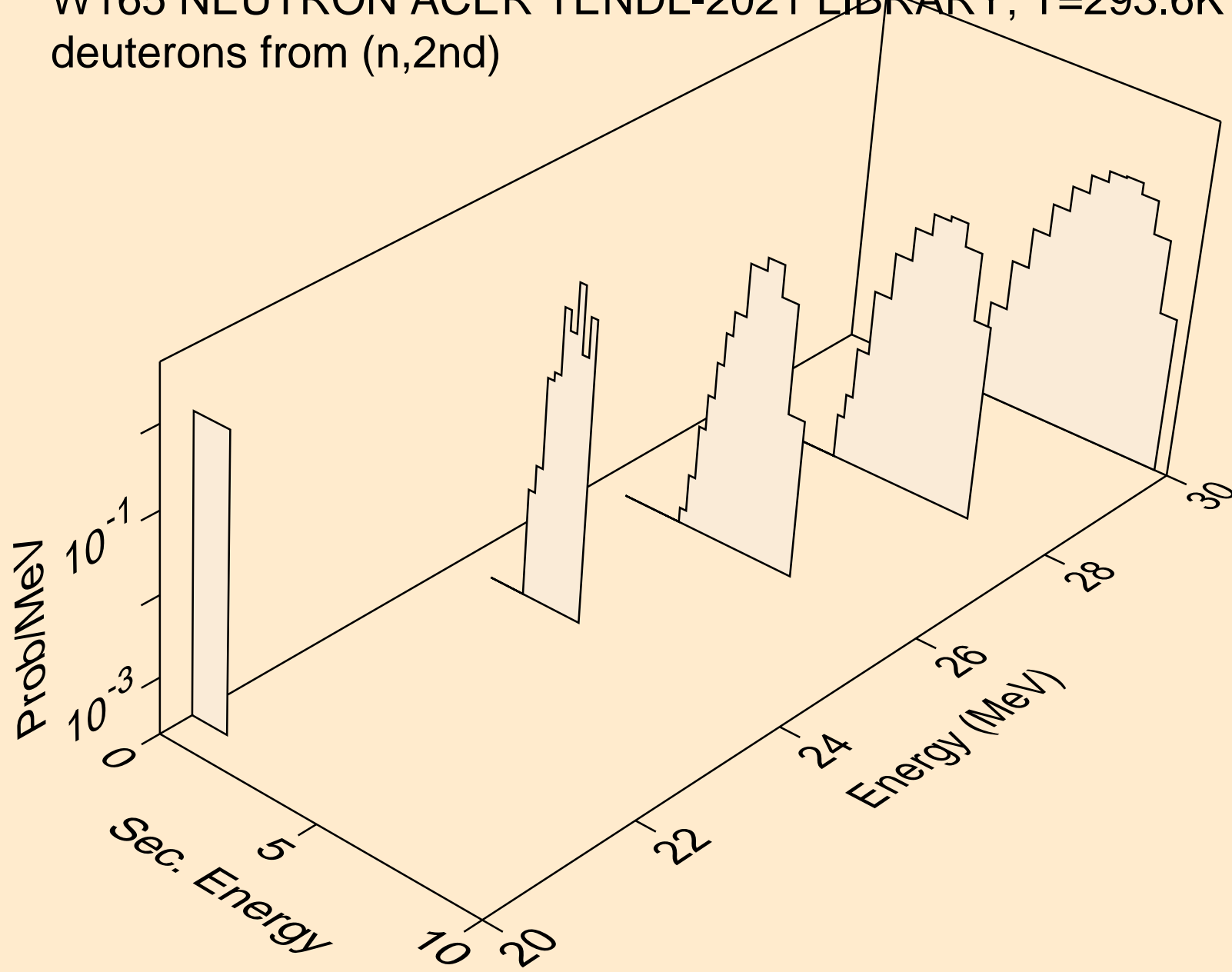
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protons from (n,pt)



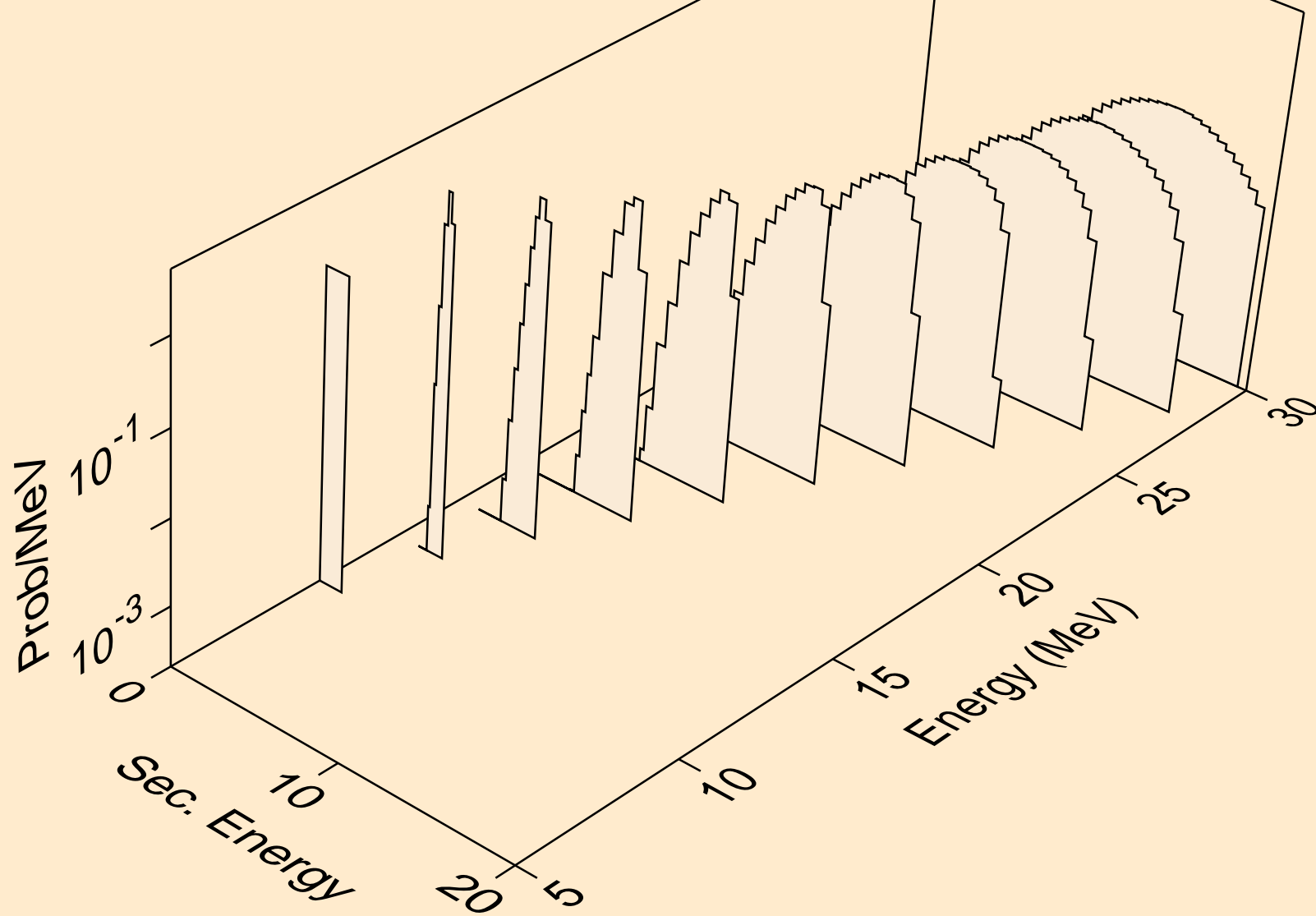
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deuterons from (n,x)



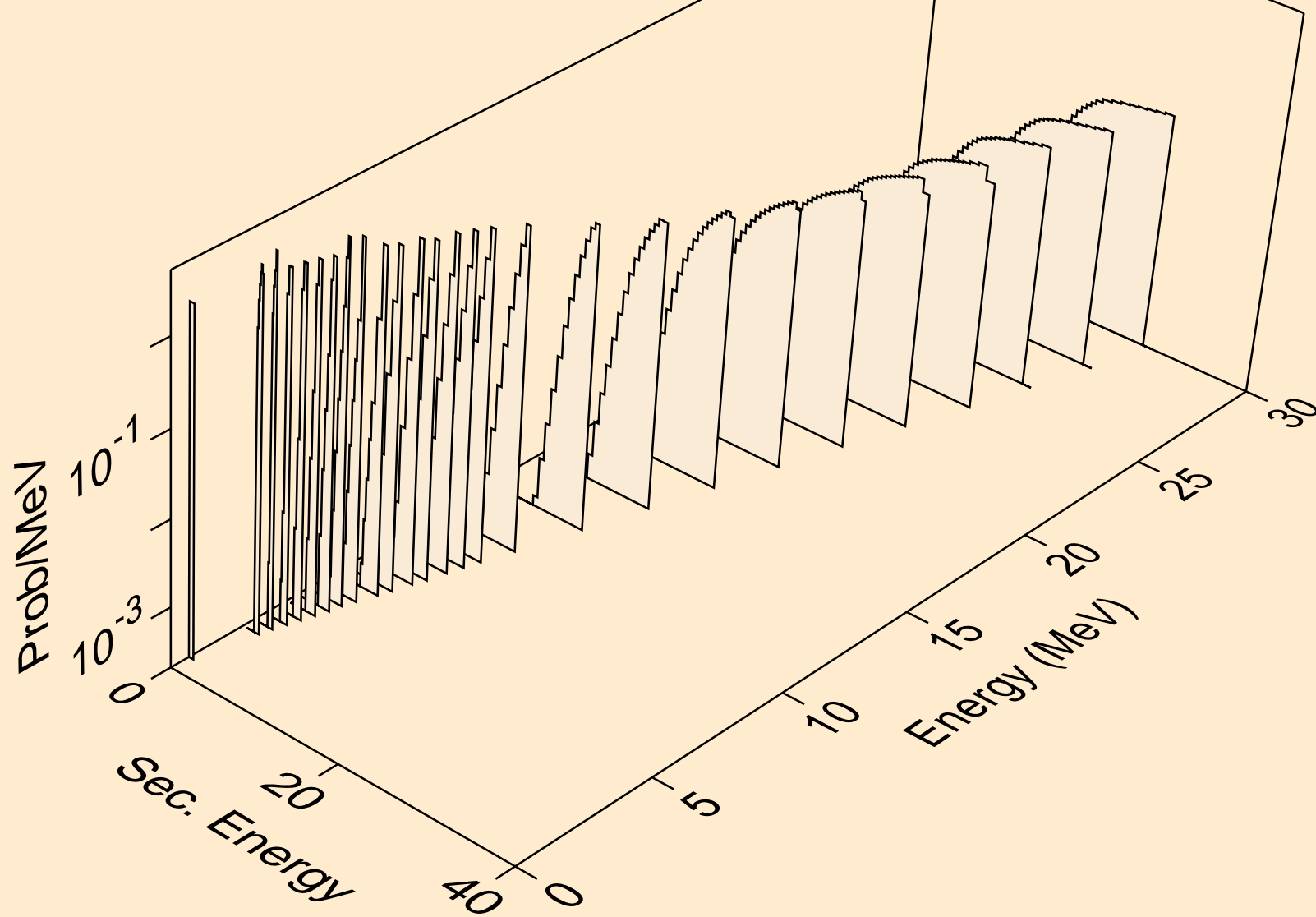
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deuterons from (n,2nd)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

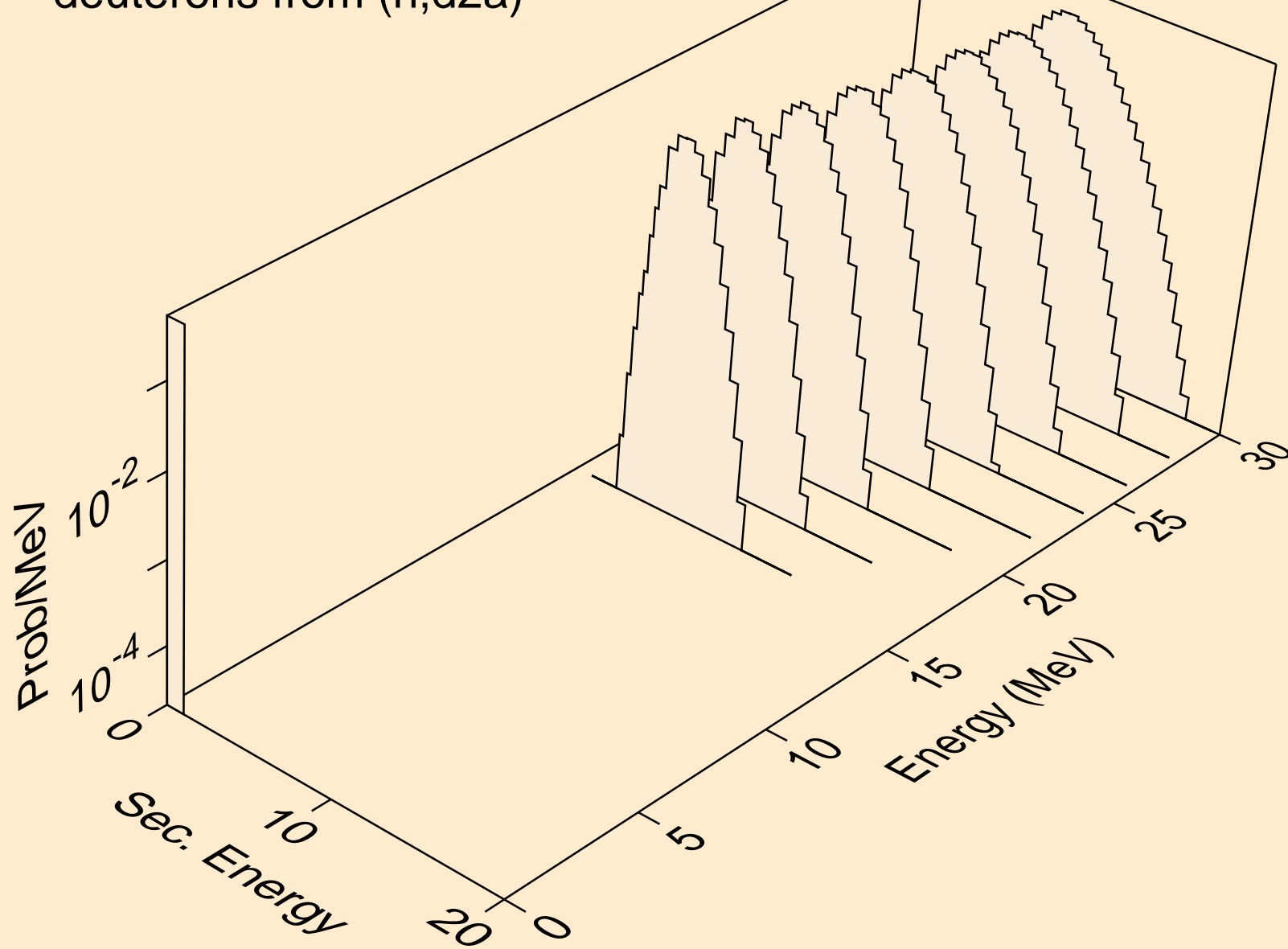


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deuterons from (n,d)

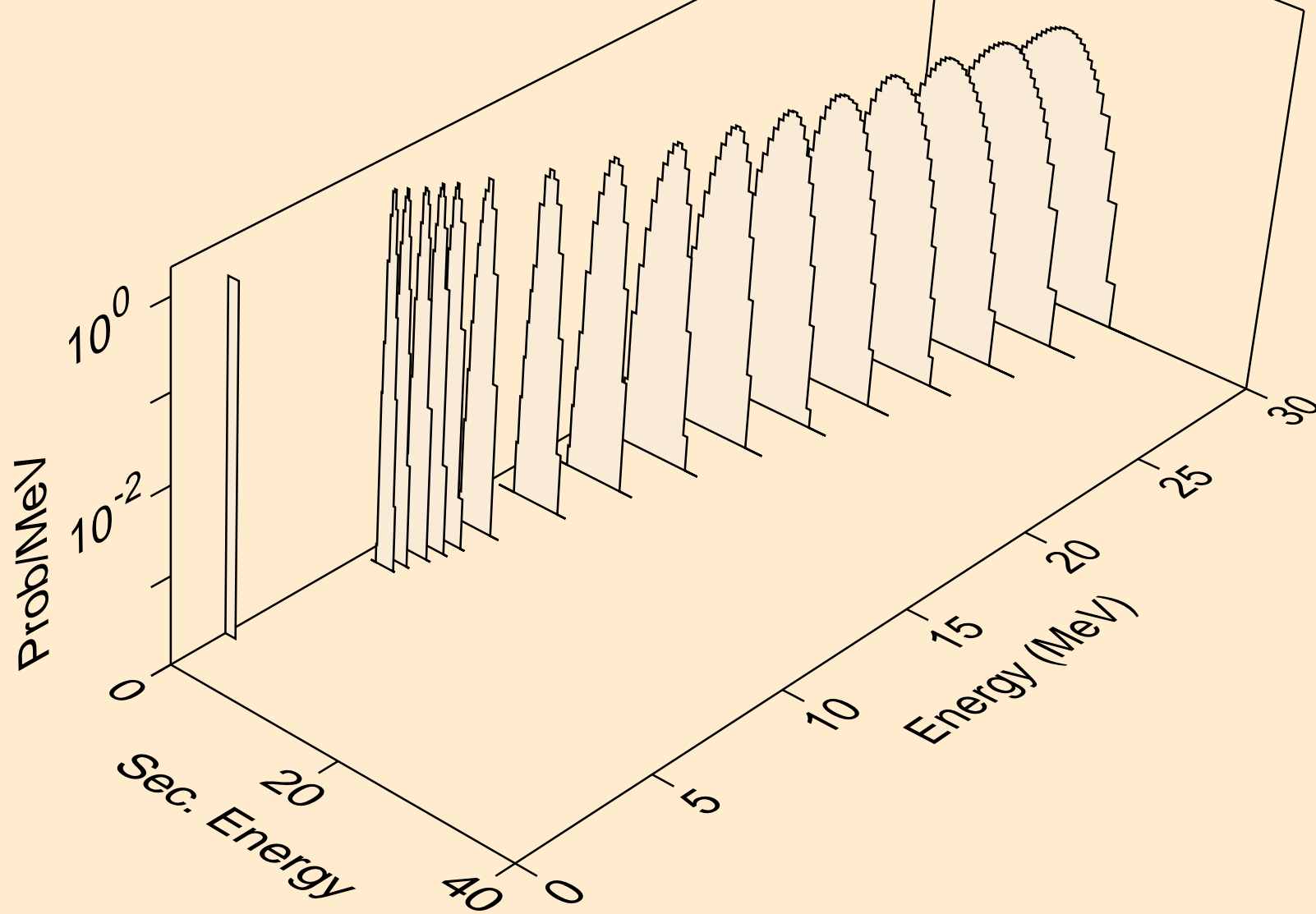




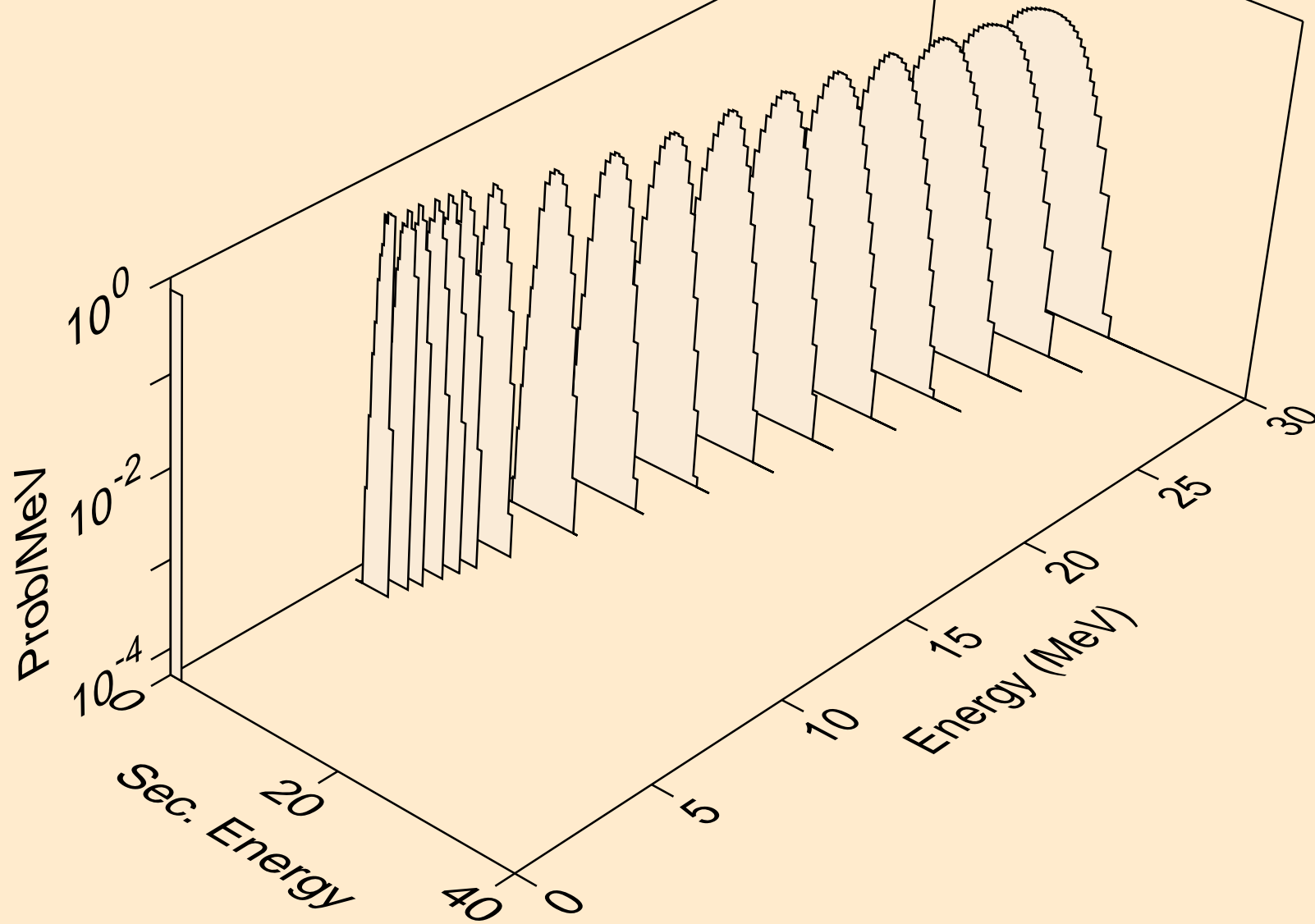
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deuterons from (n,d2a)



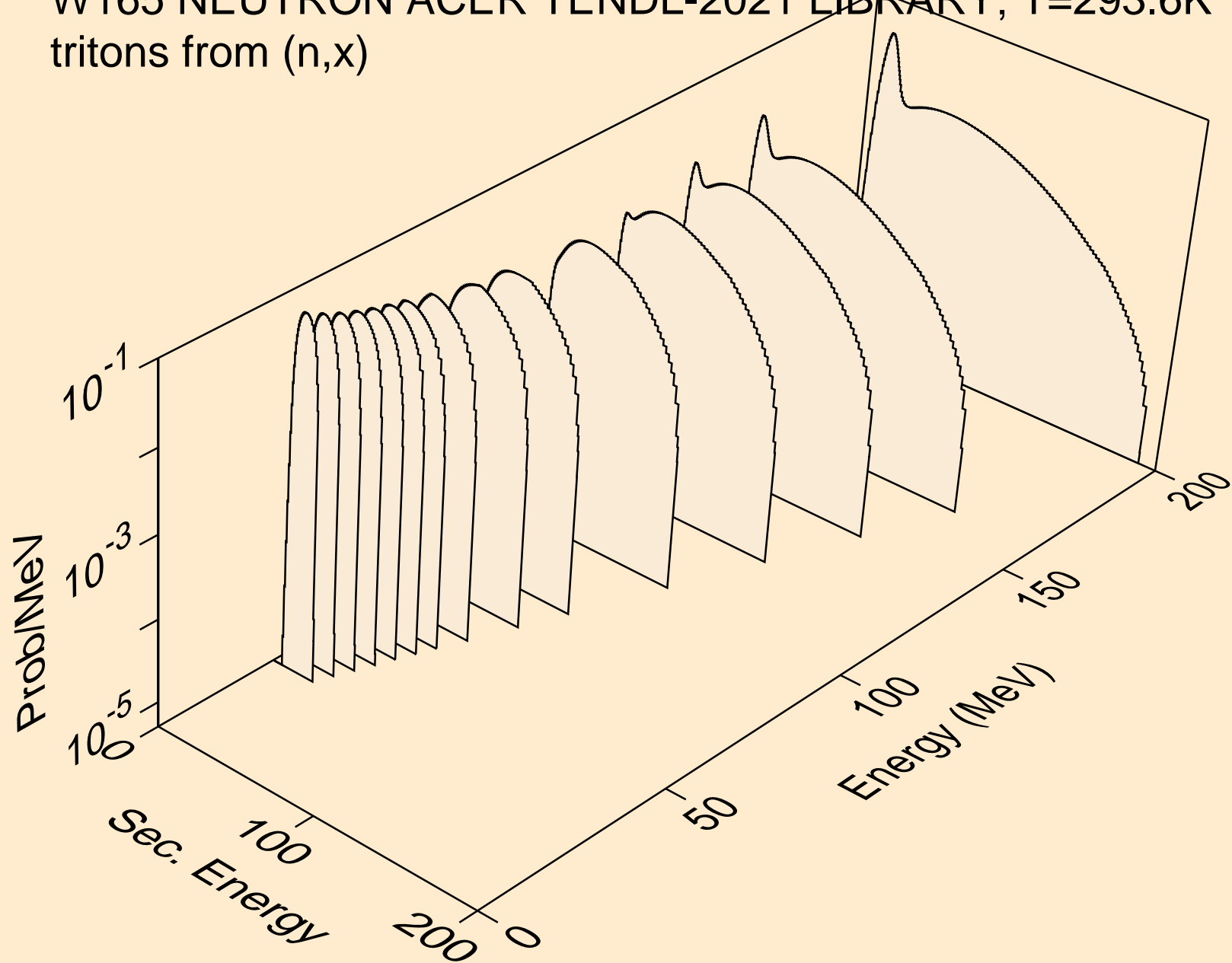
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deuterons from (n,pd)



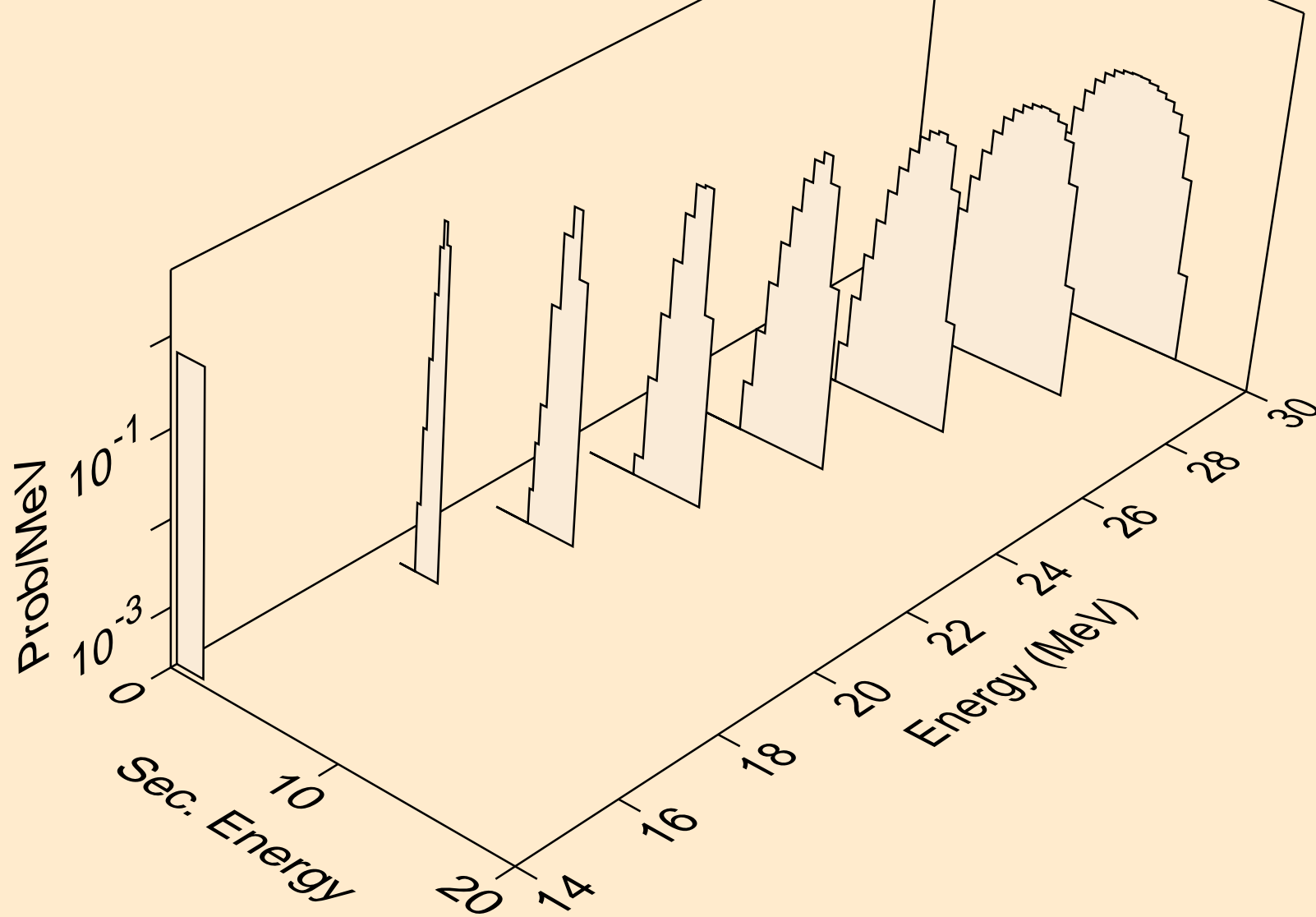
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deuterons from (n,da)



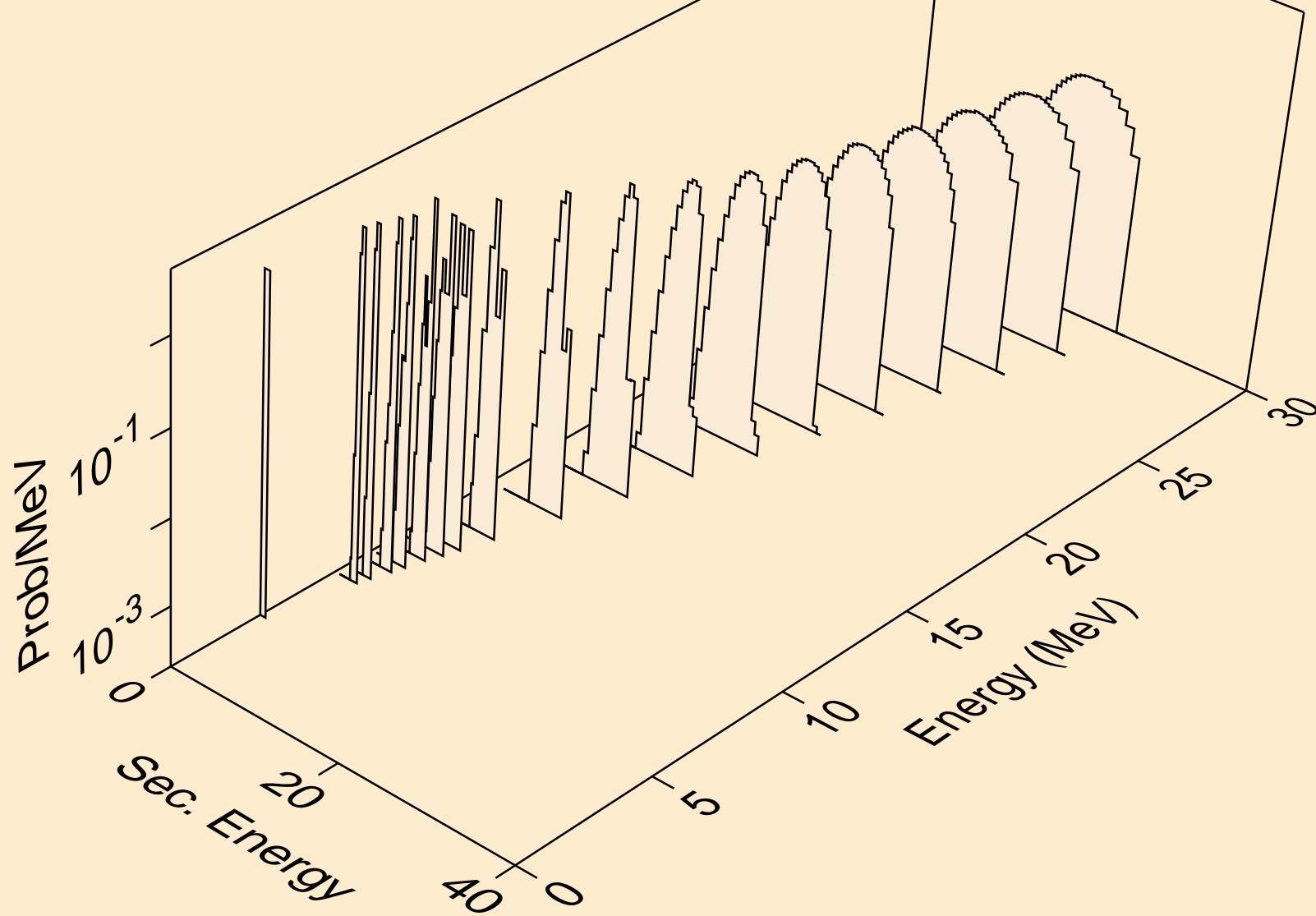
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



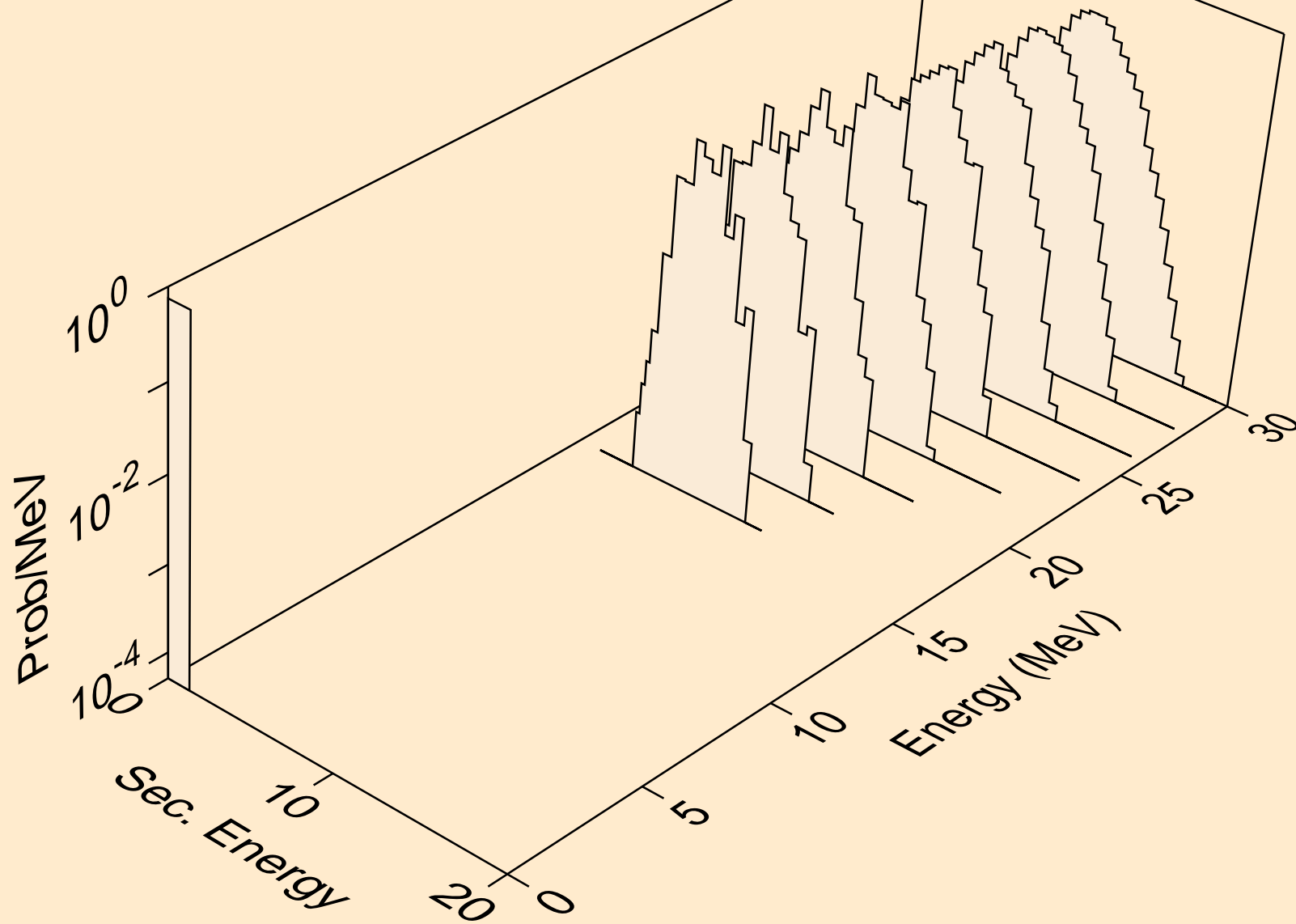
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



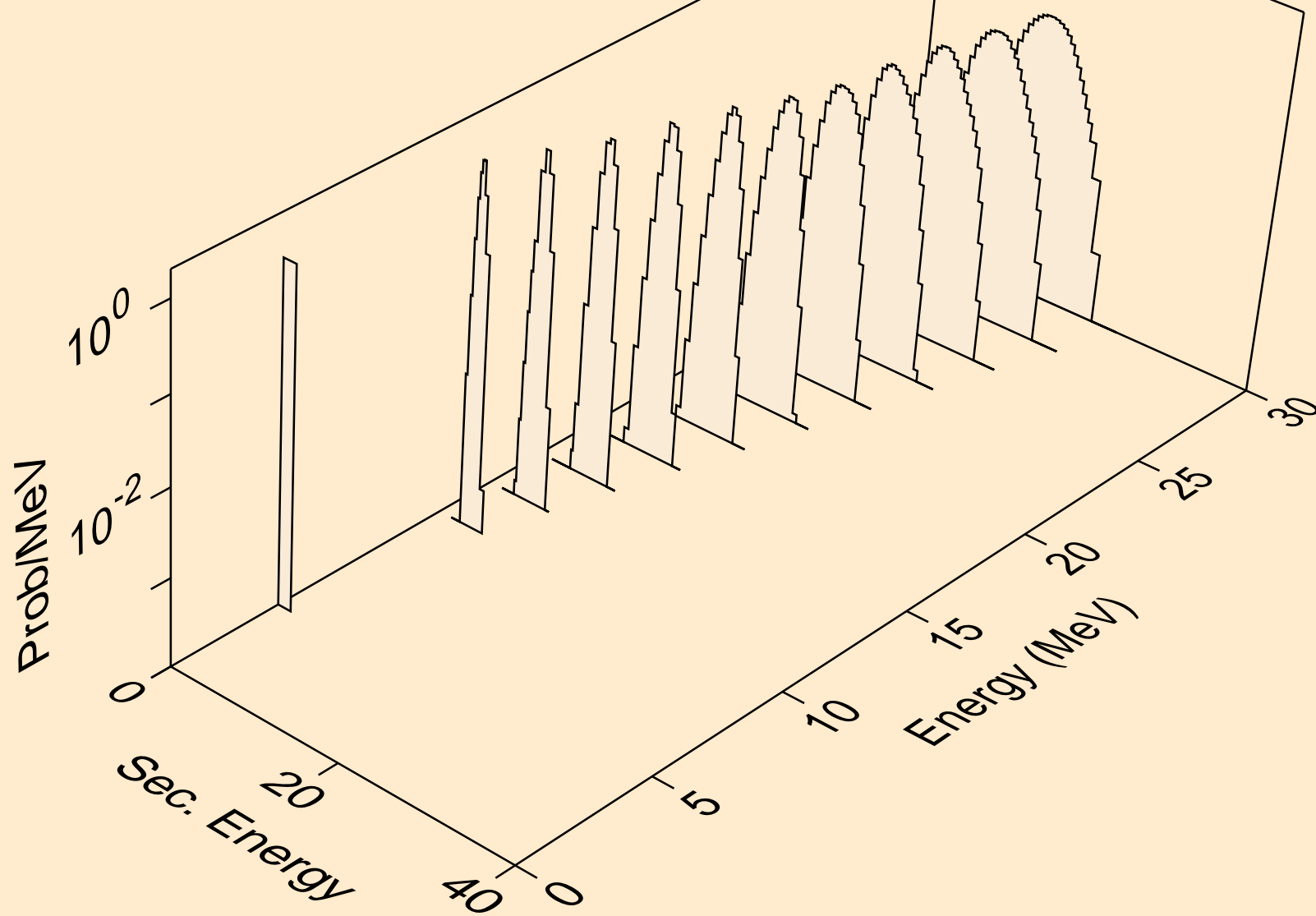
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t2a)

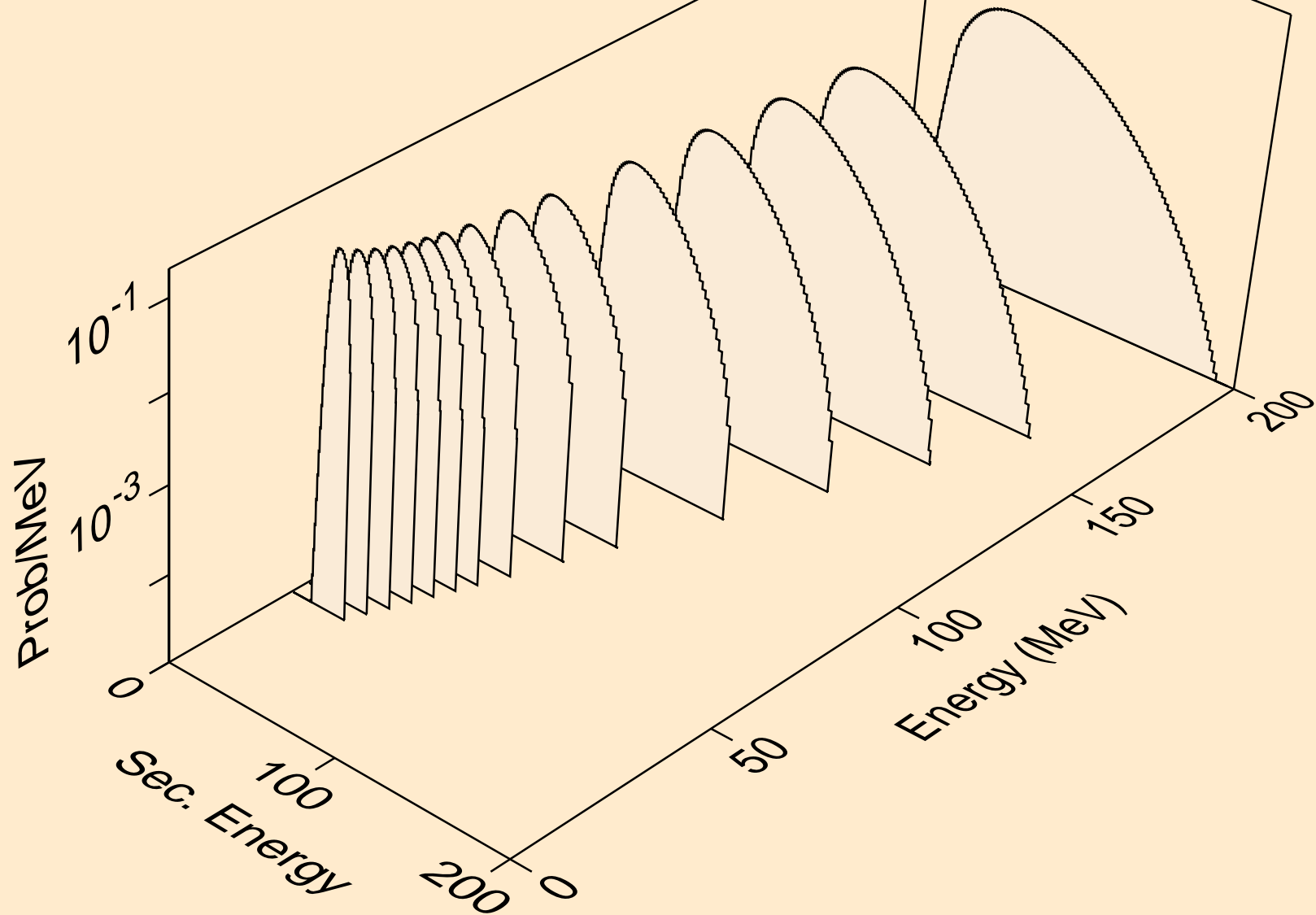


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)

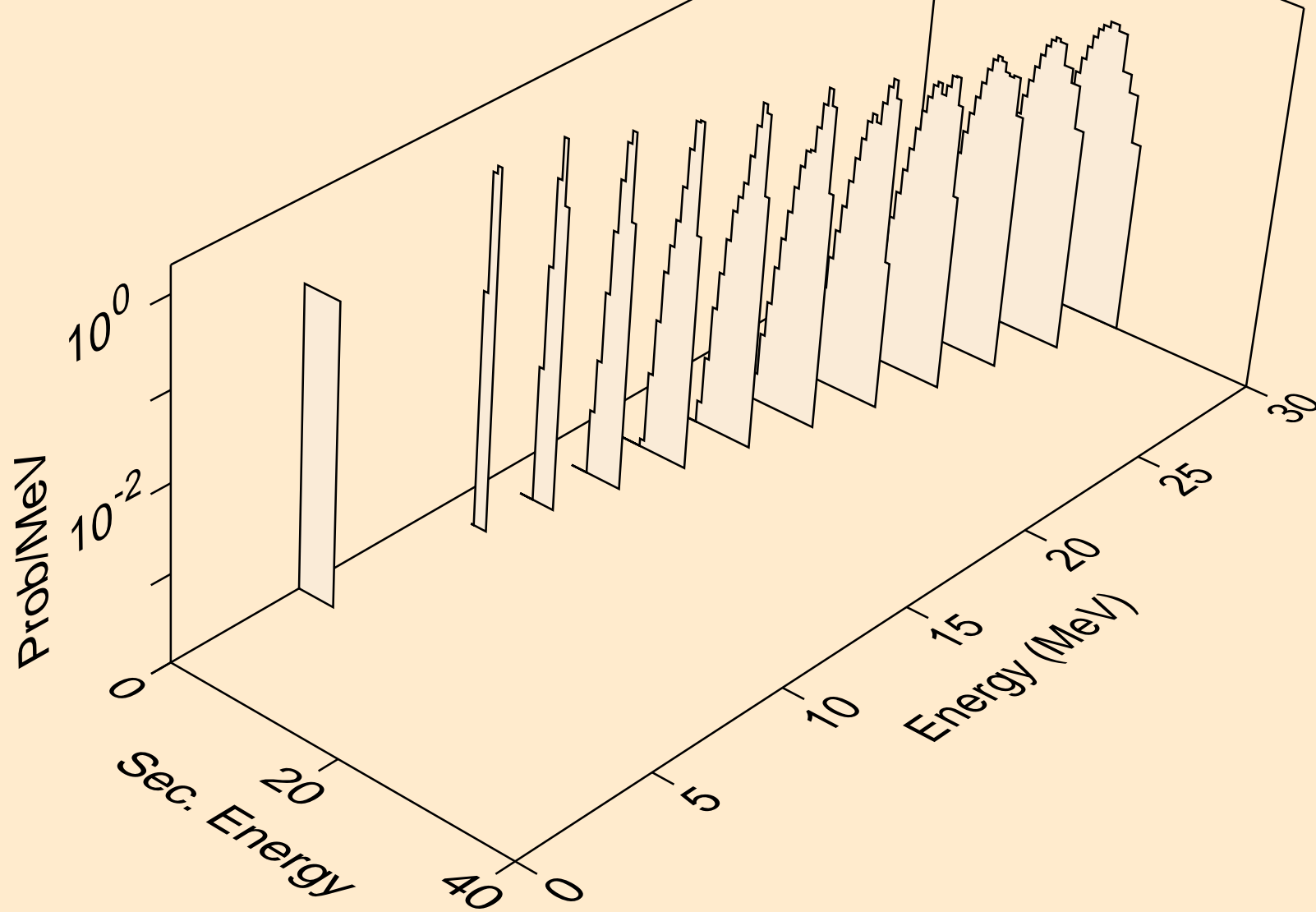




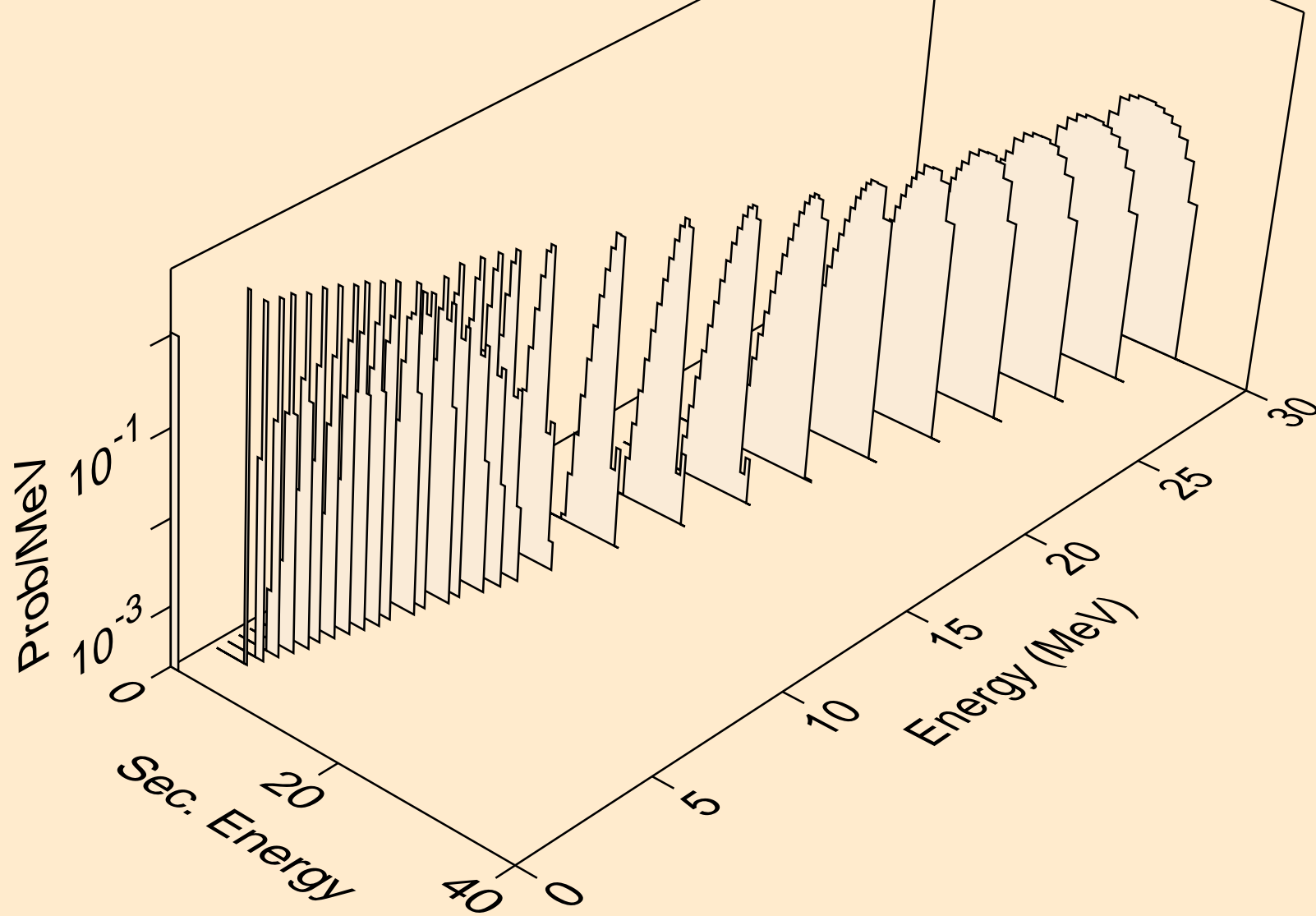
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



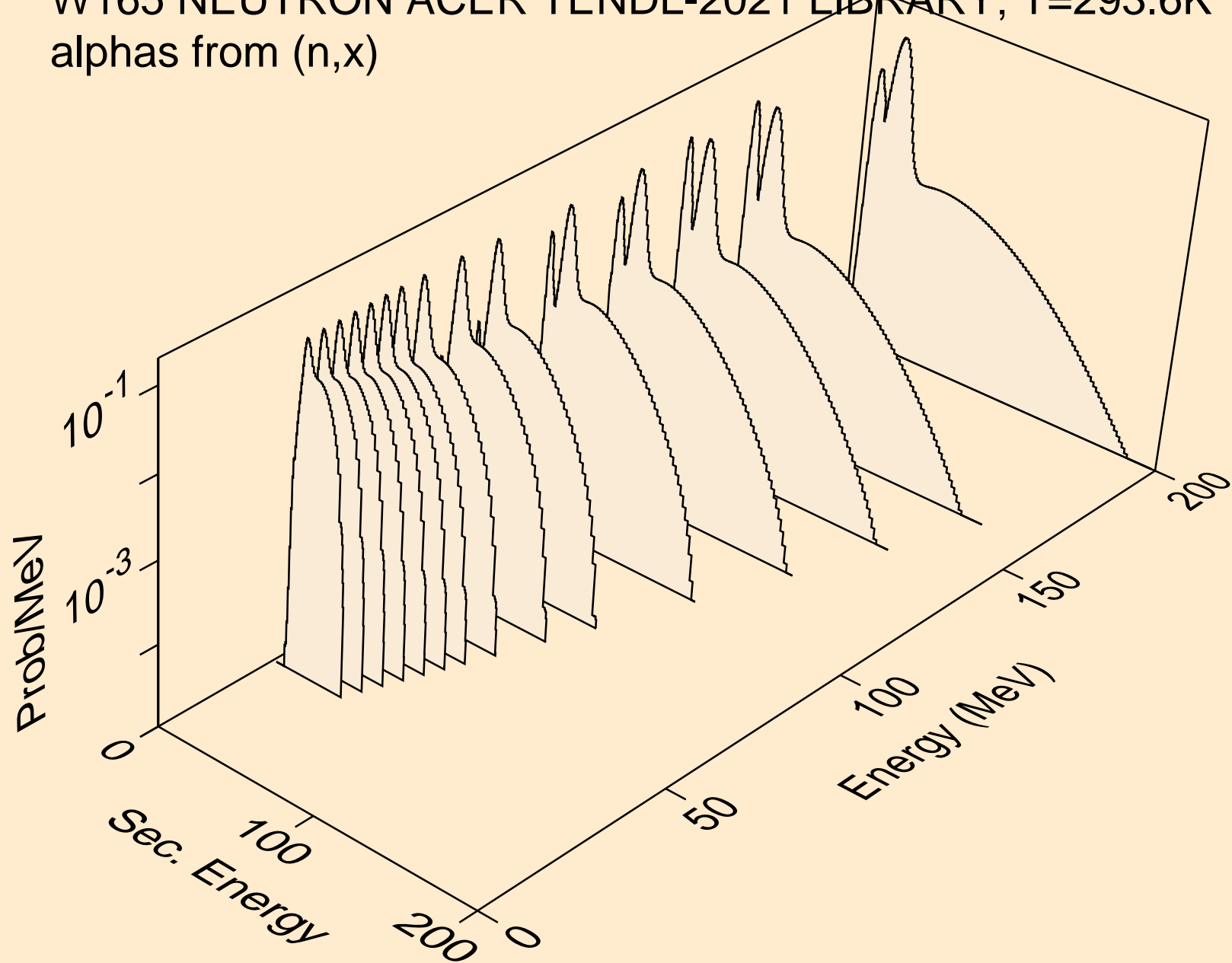
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



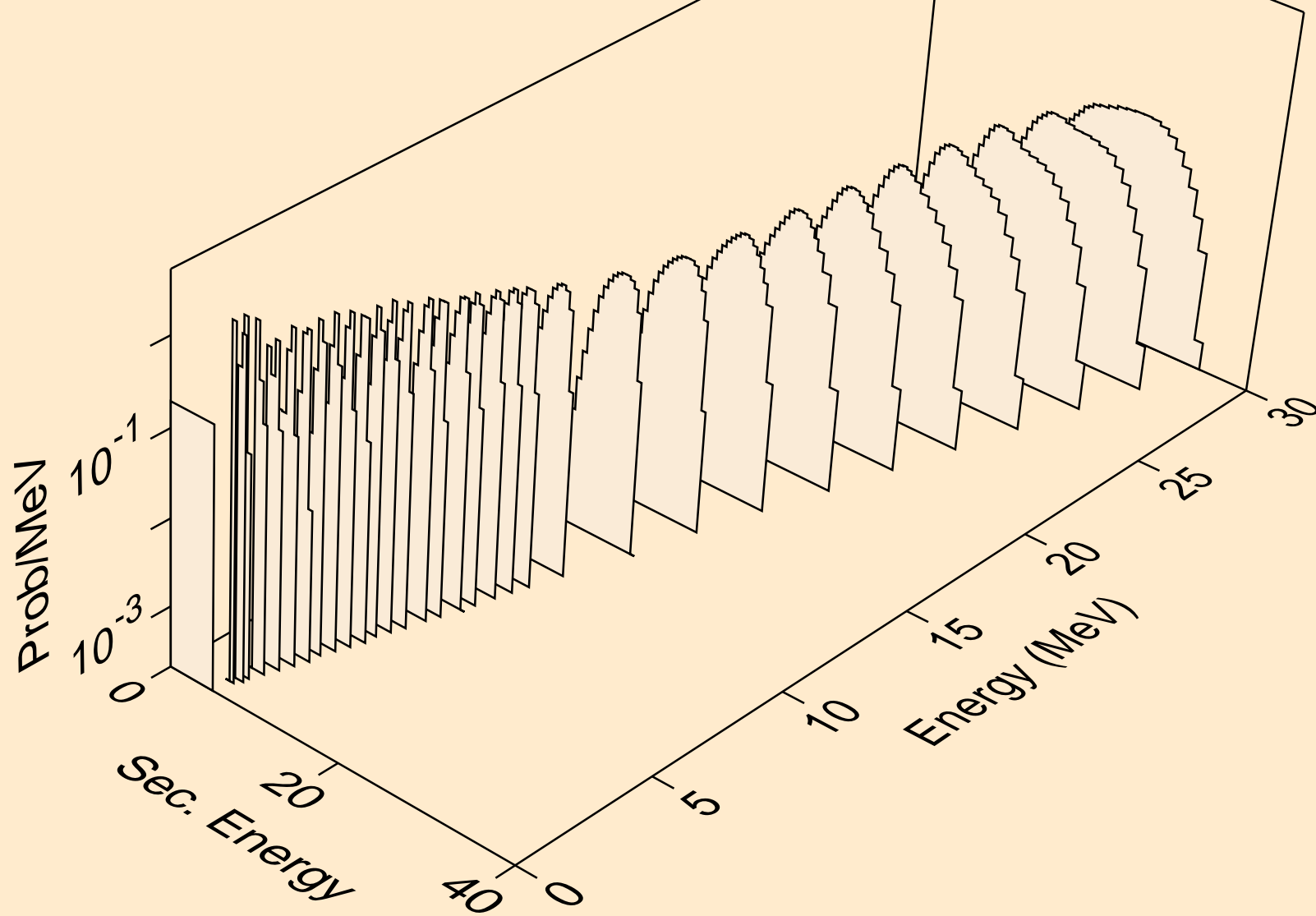
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



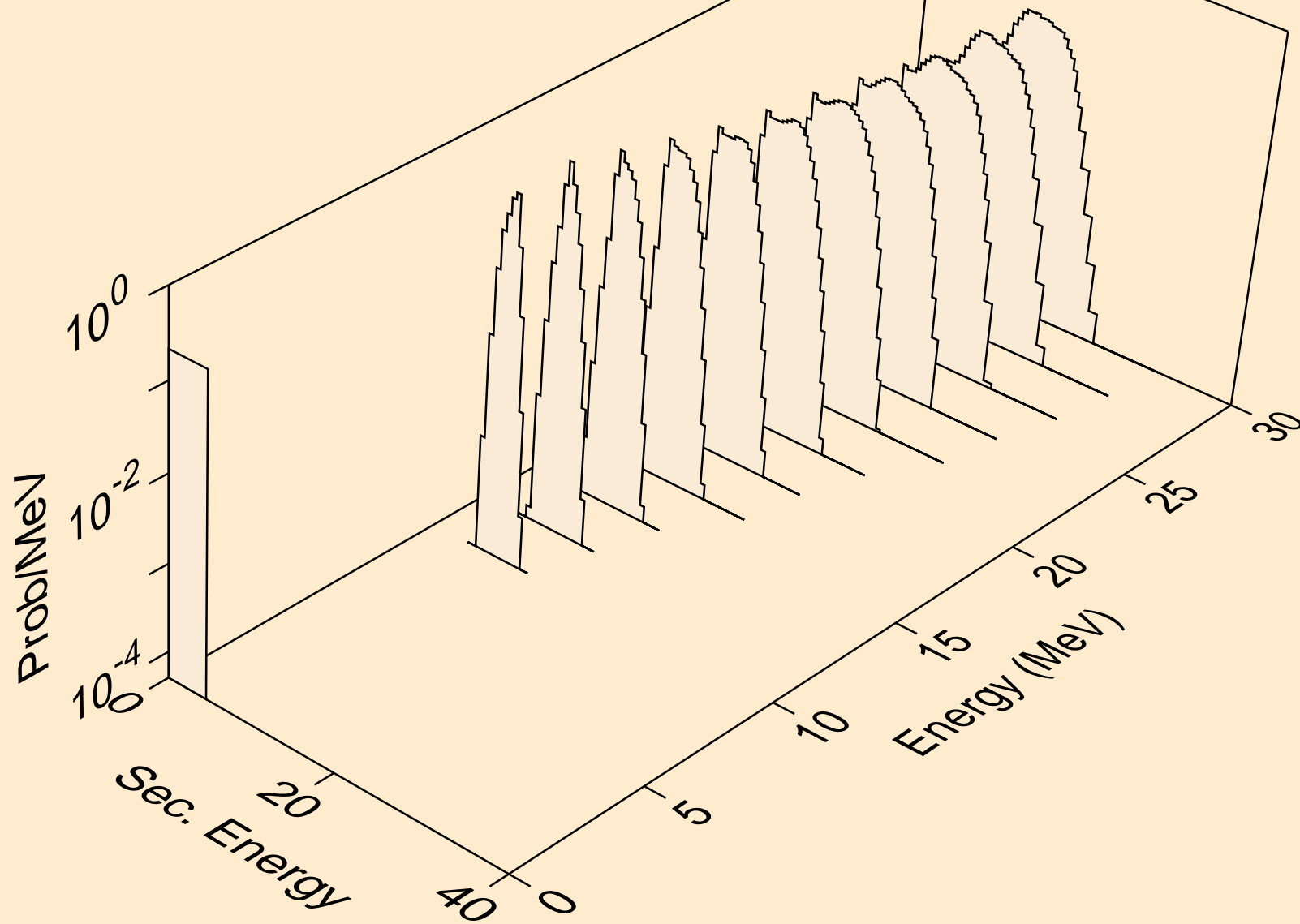
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



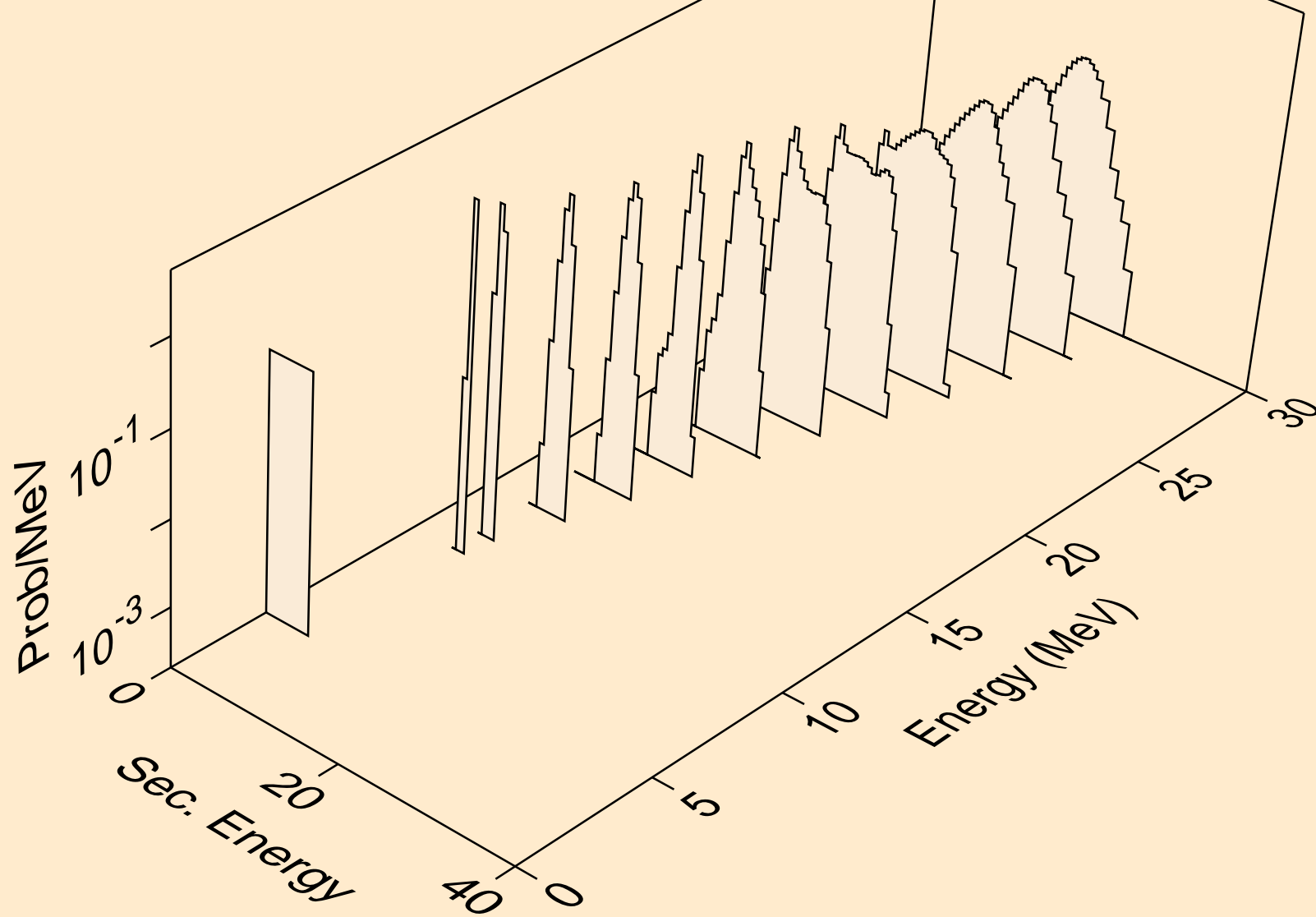
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



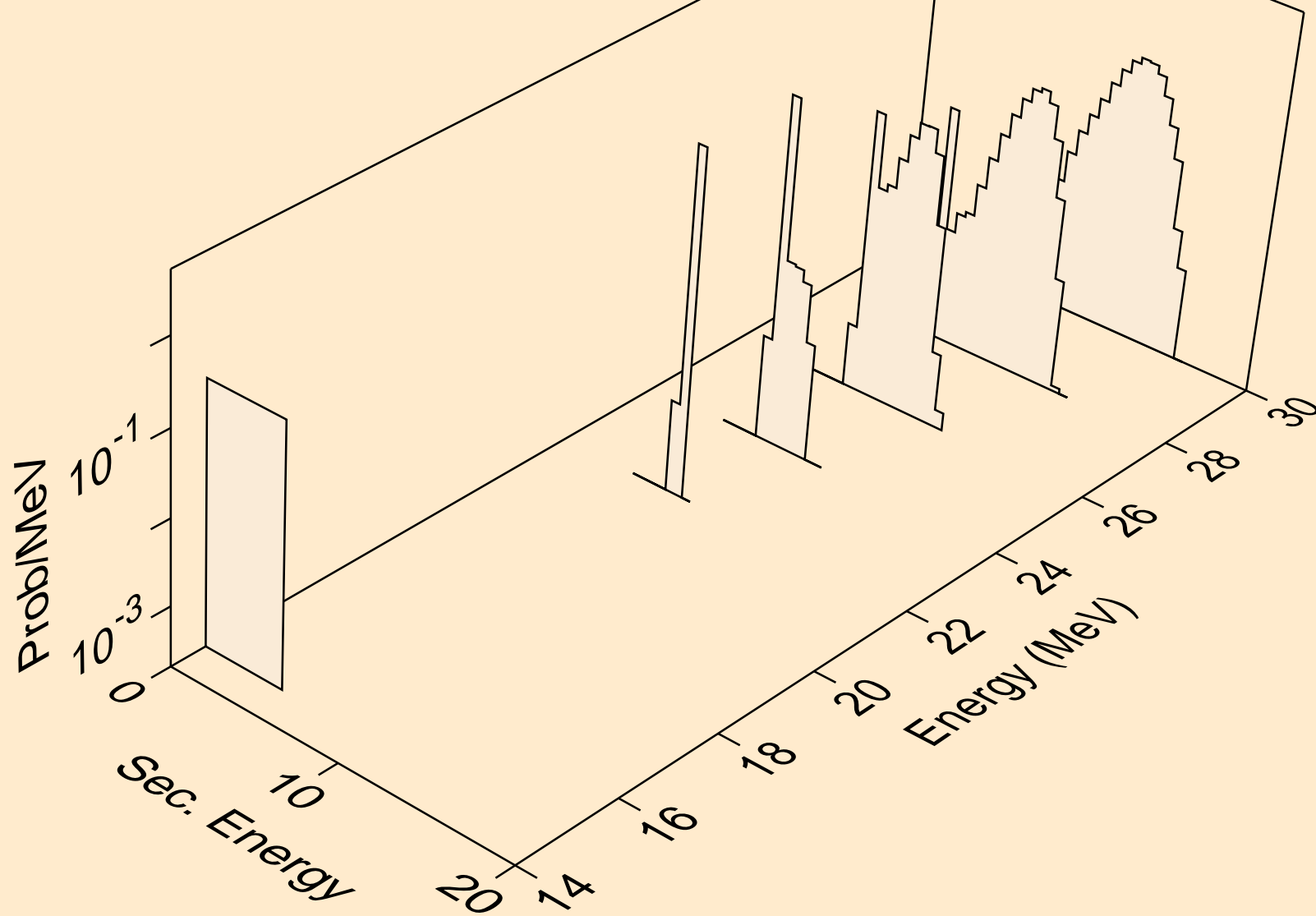
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

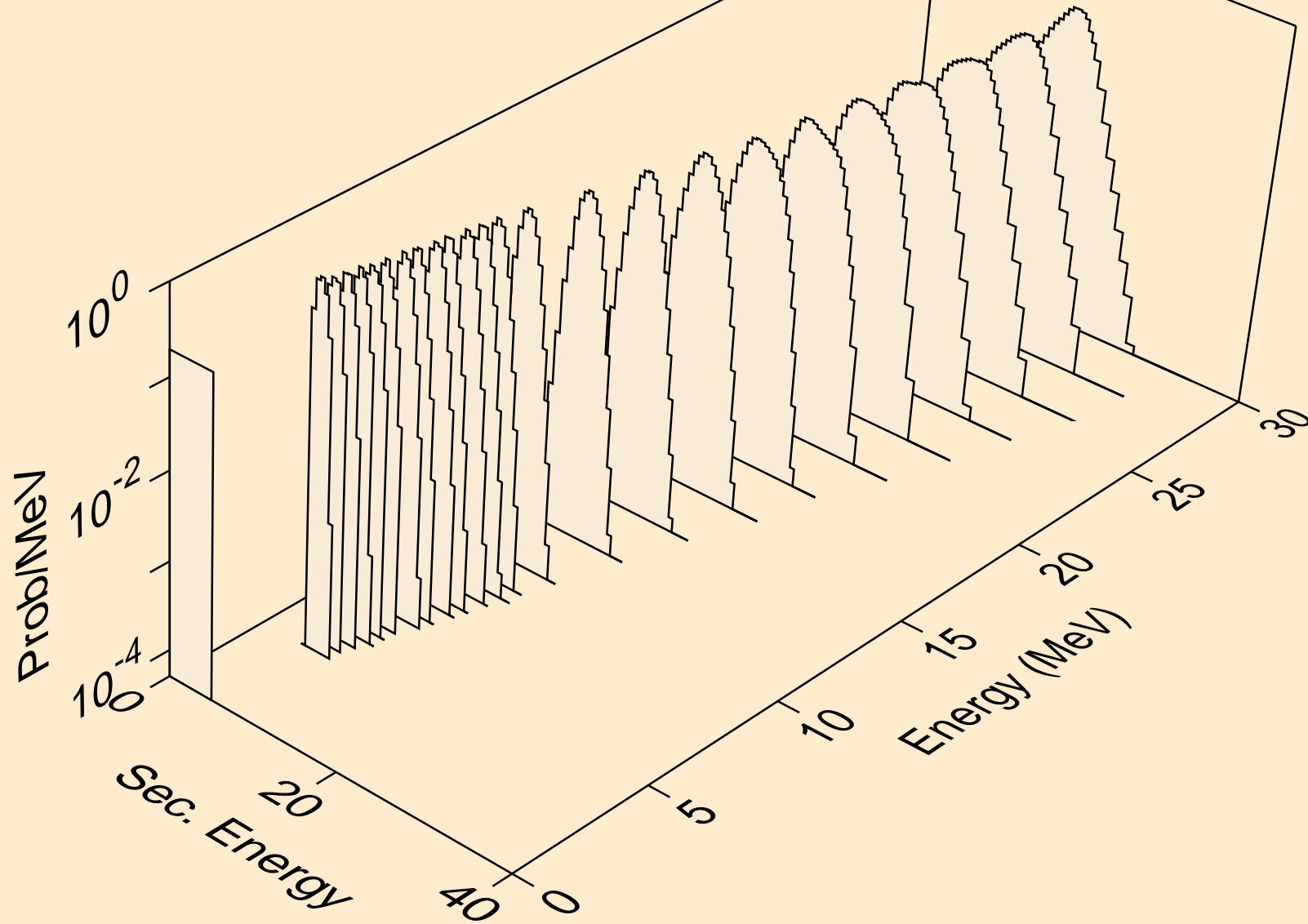


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

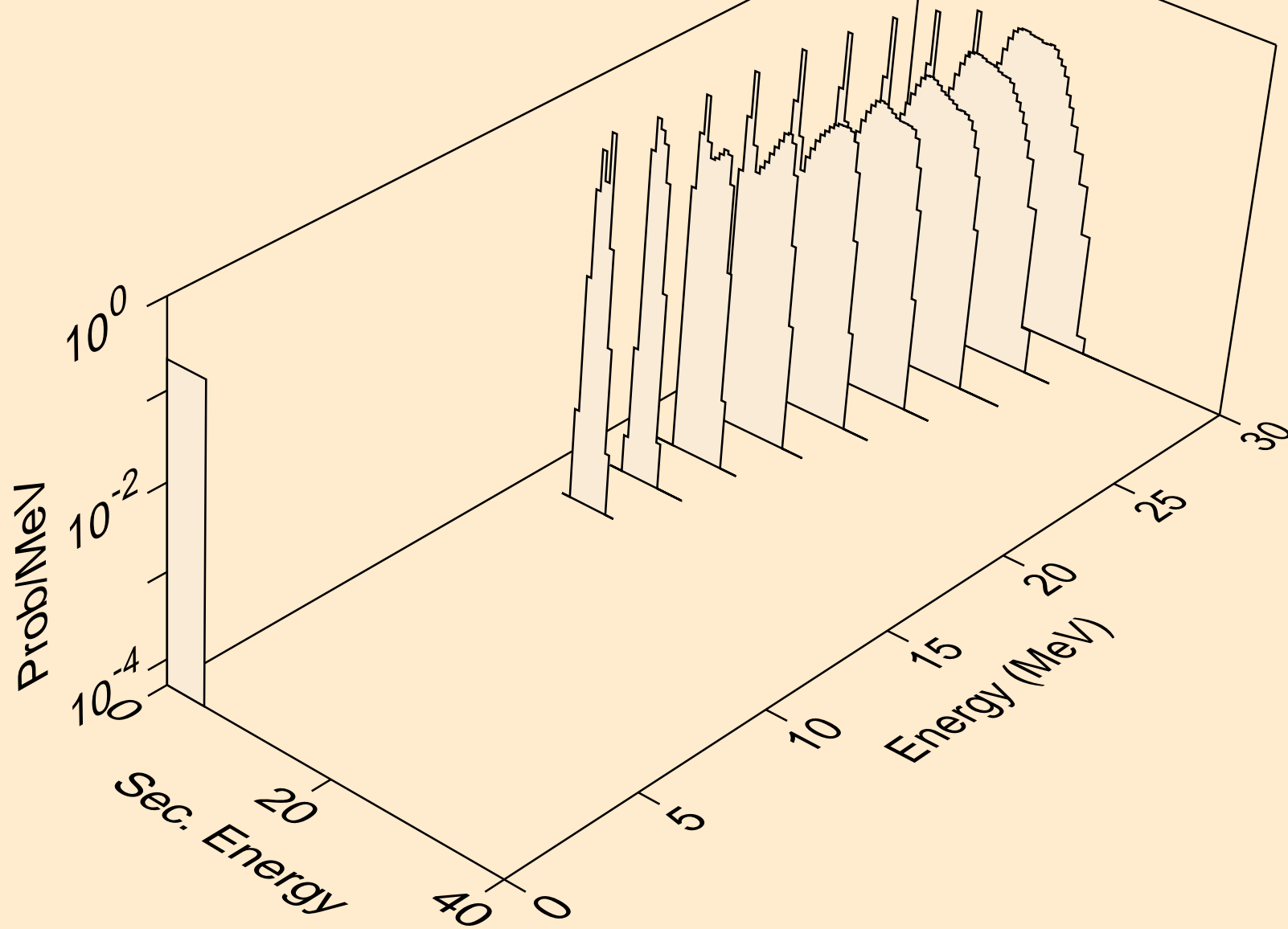




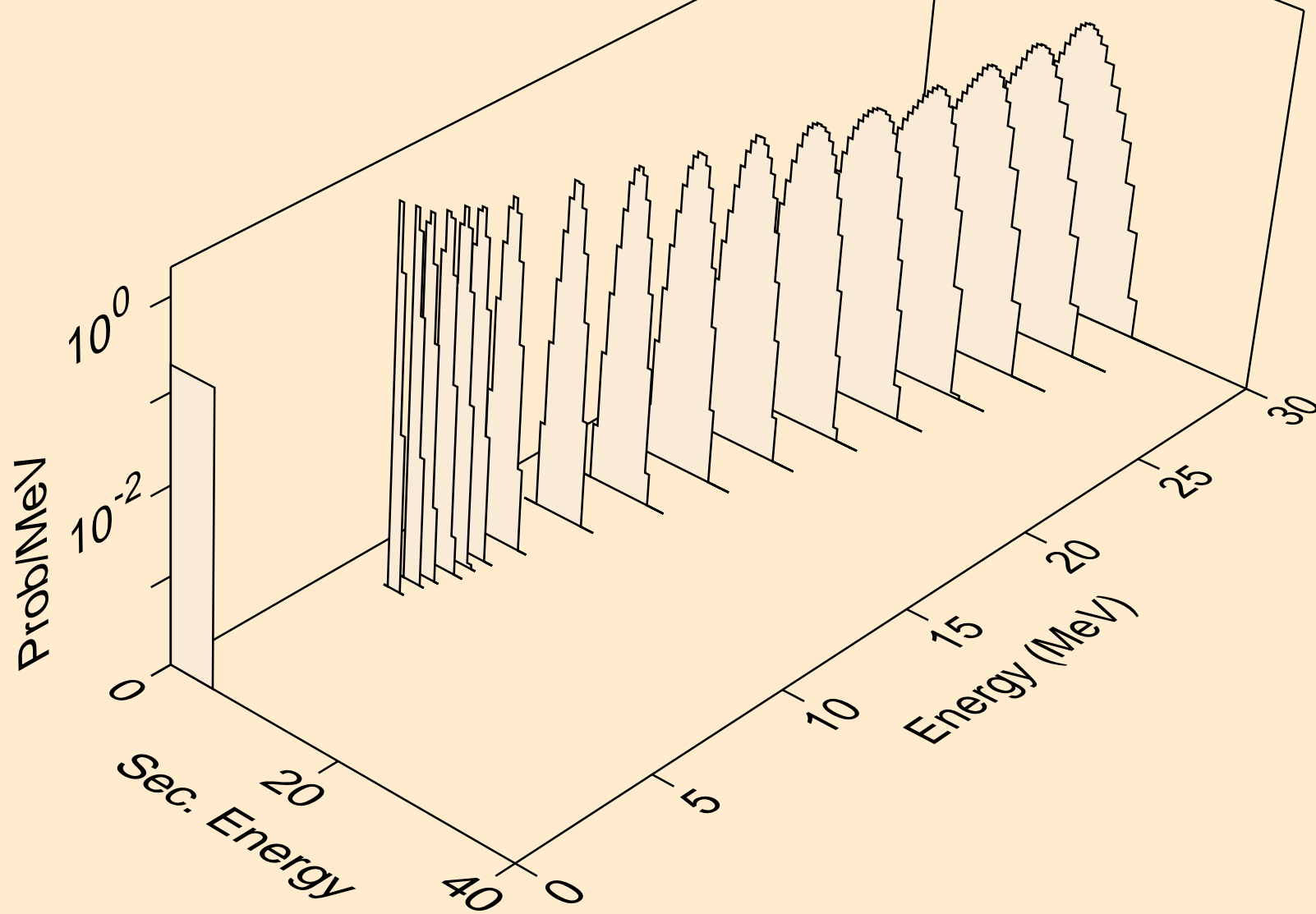
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



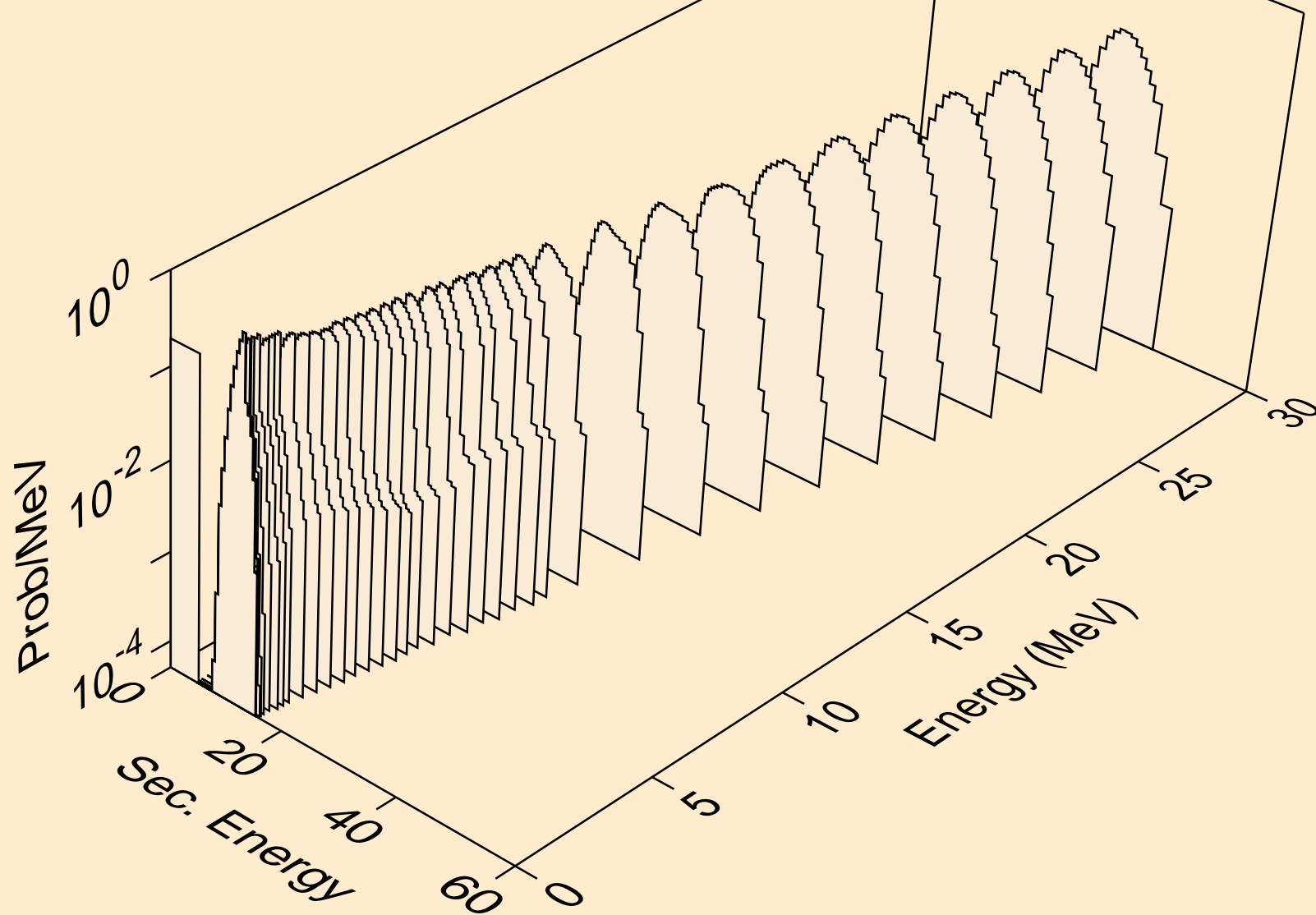
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



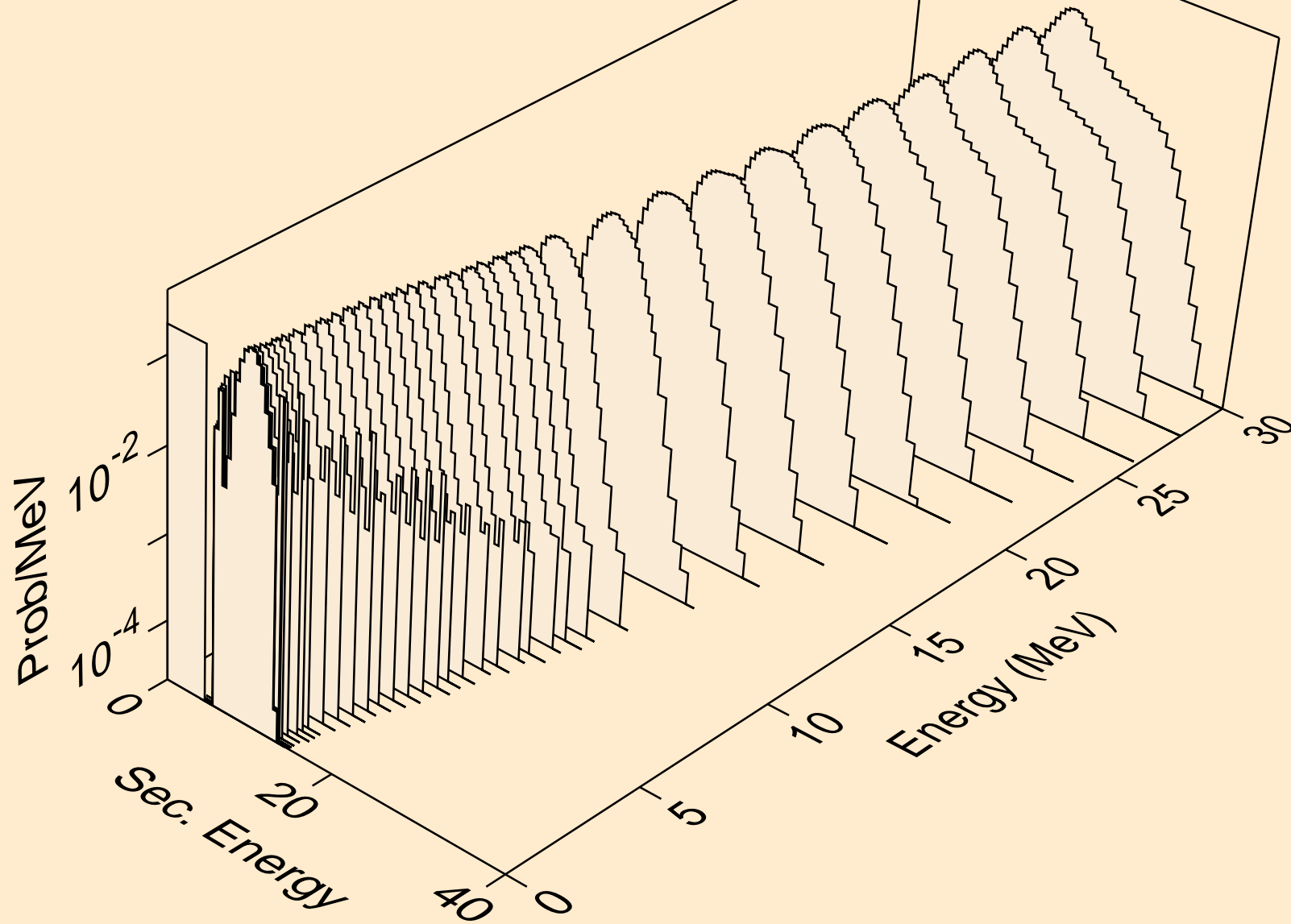
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



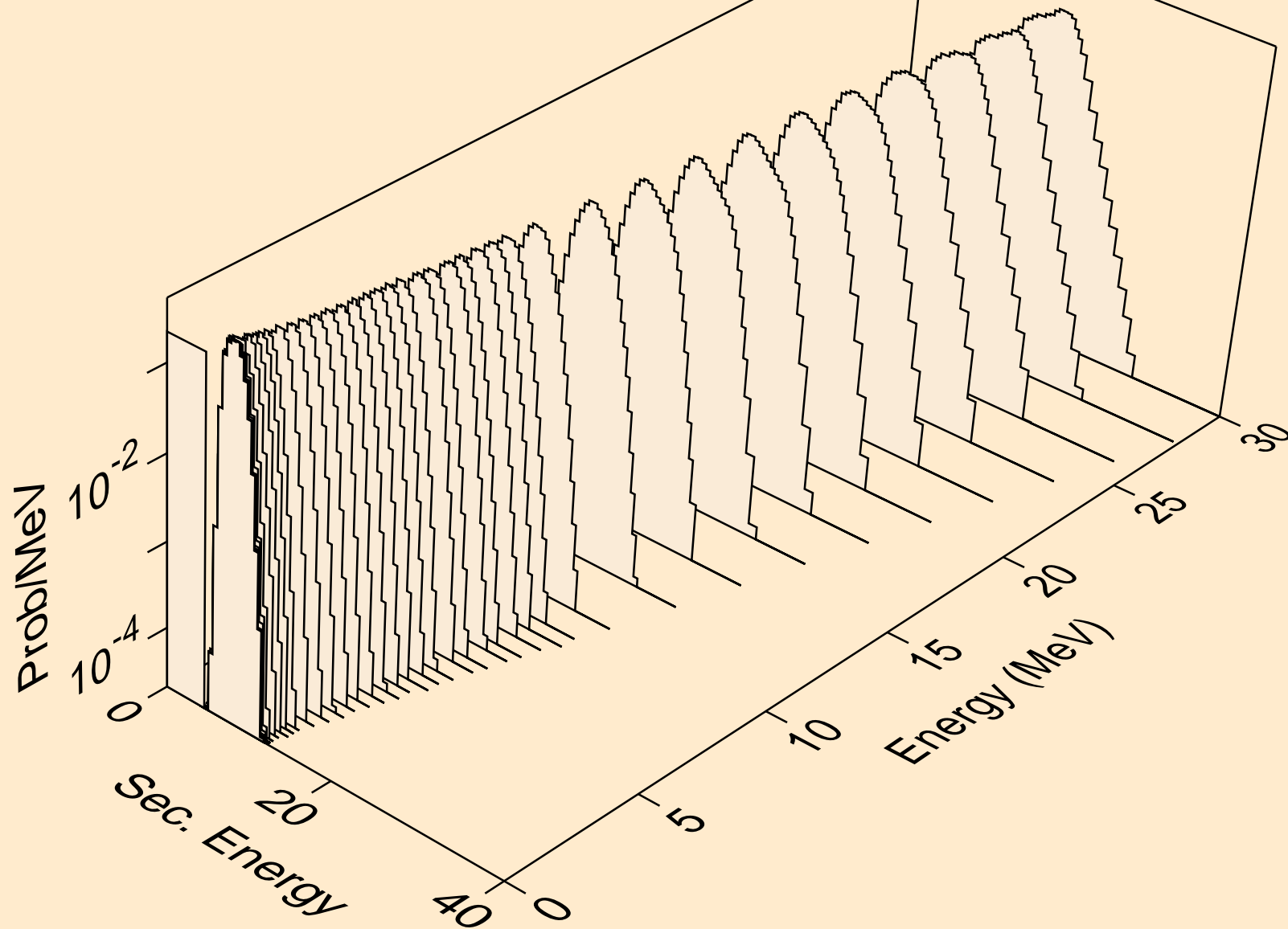
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



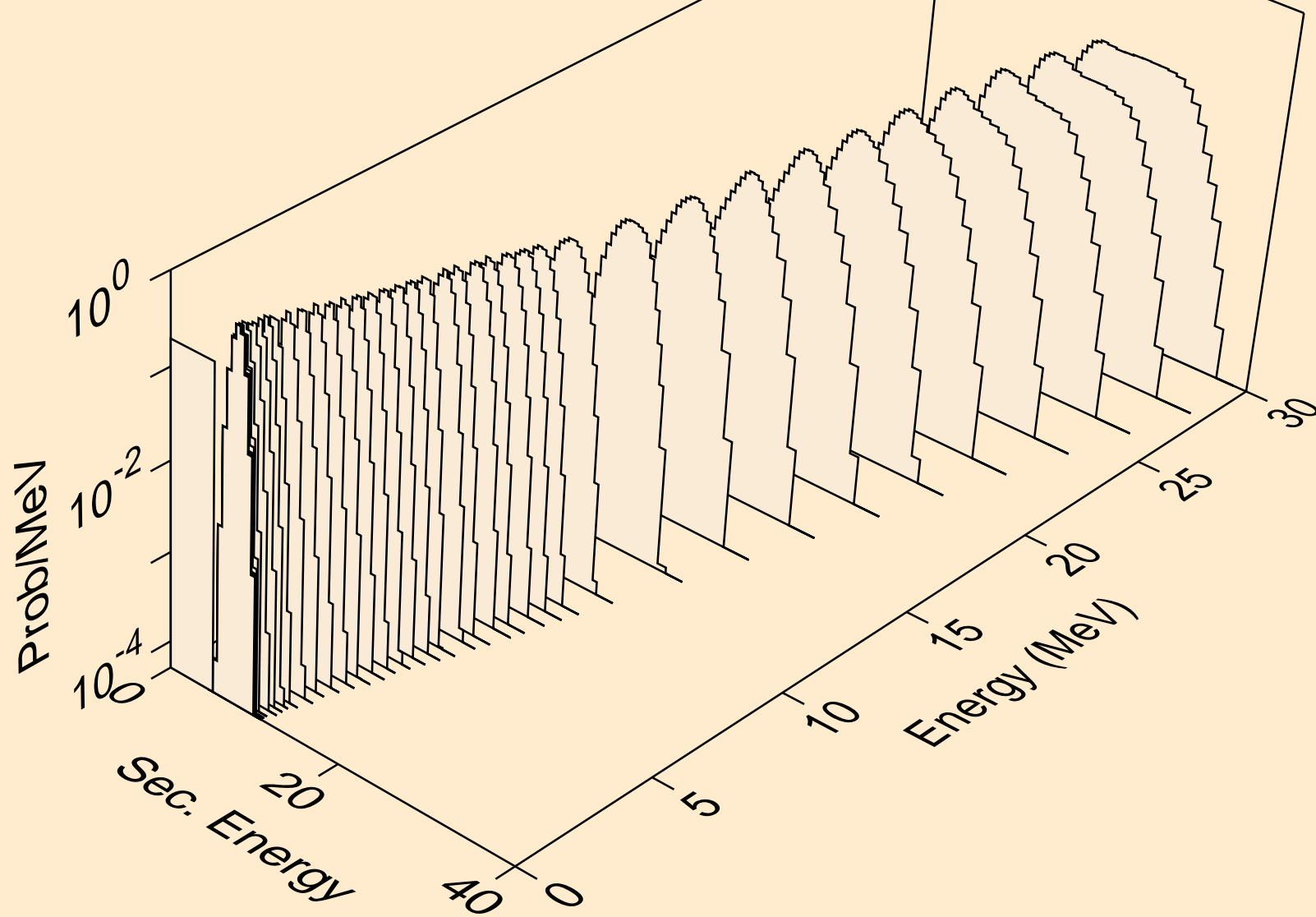
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



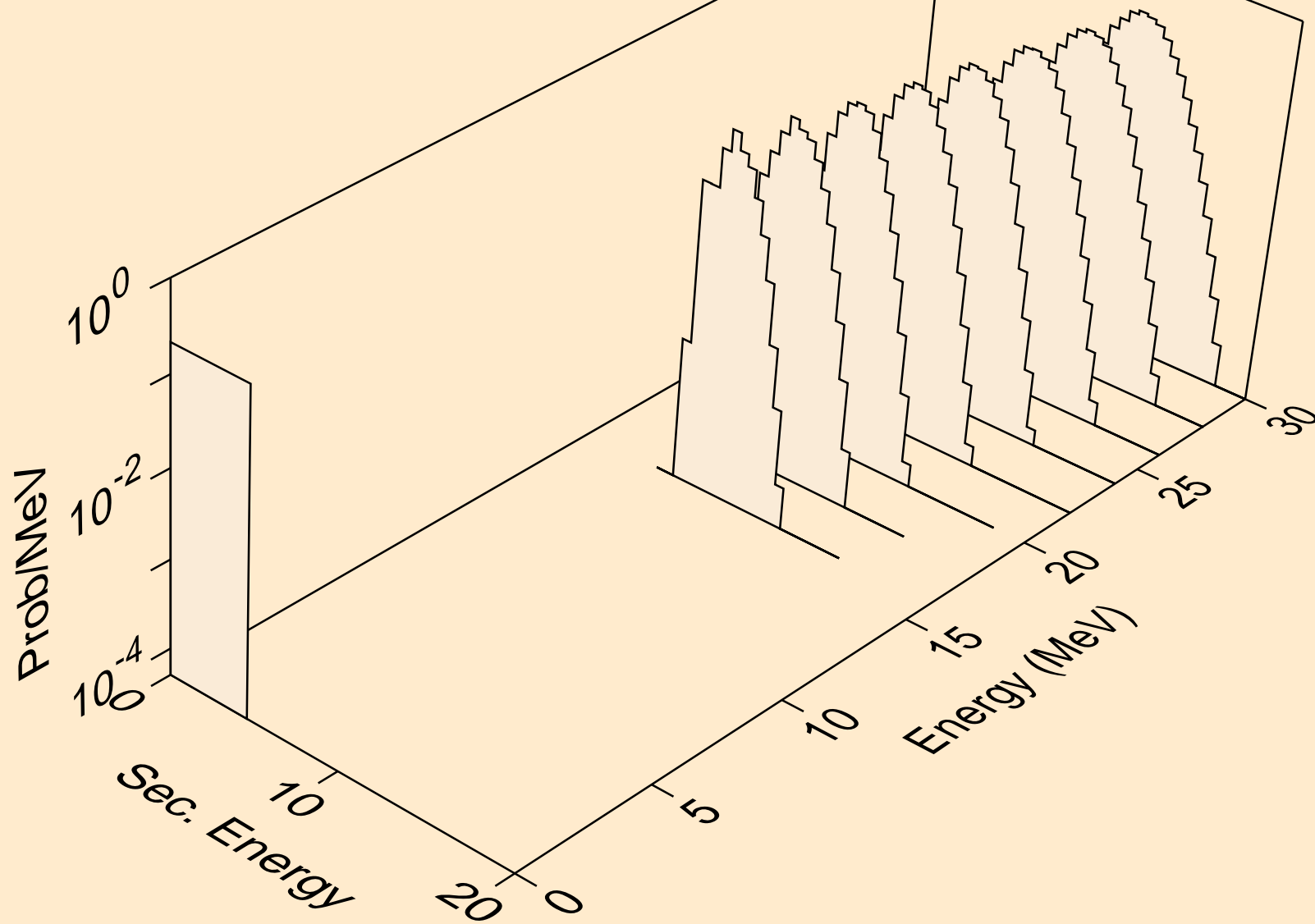
W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

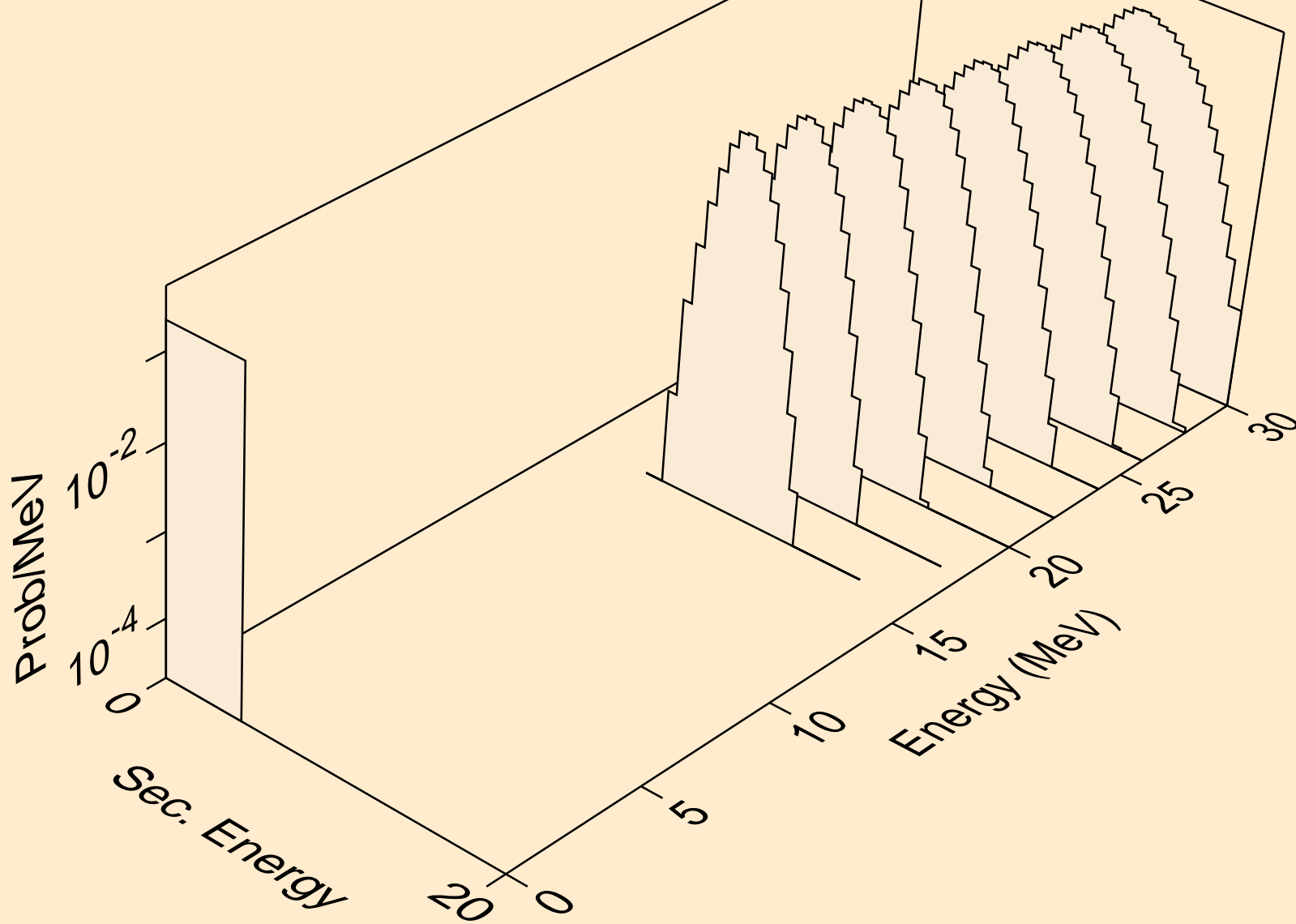


W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,t2a)





W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



W165 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

