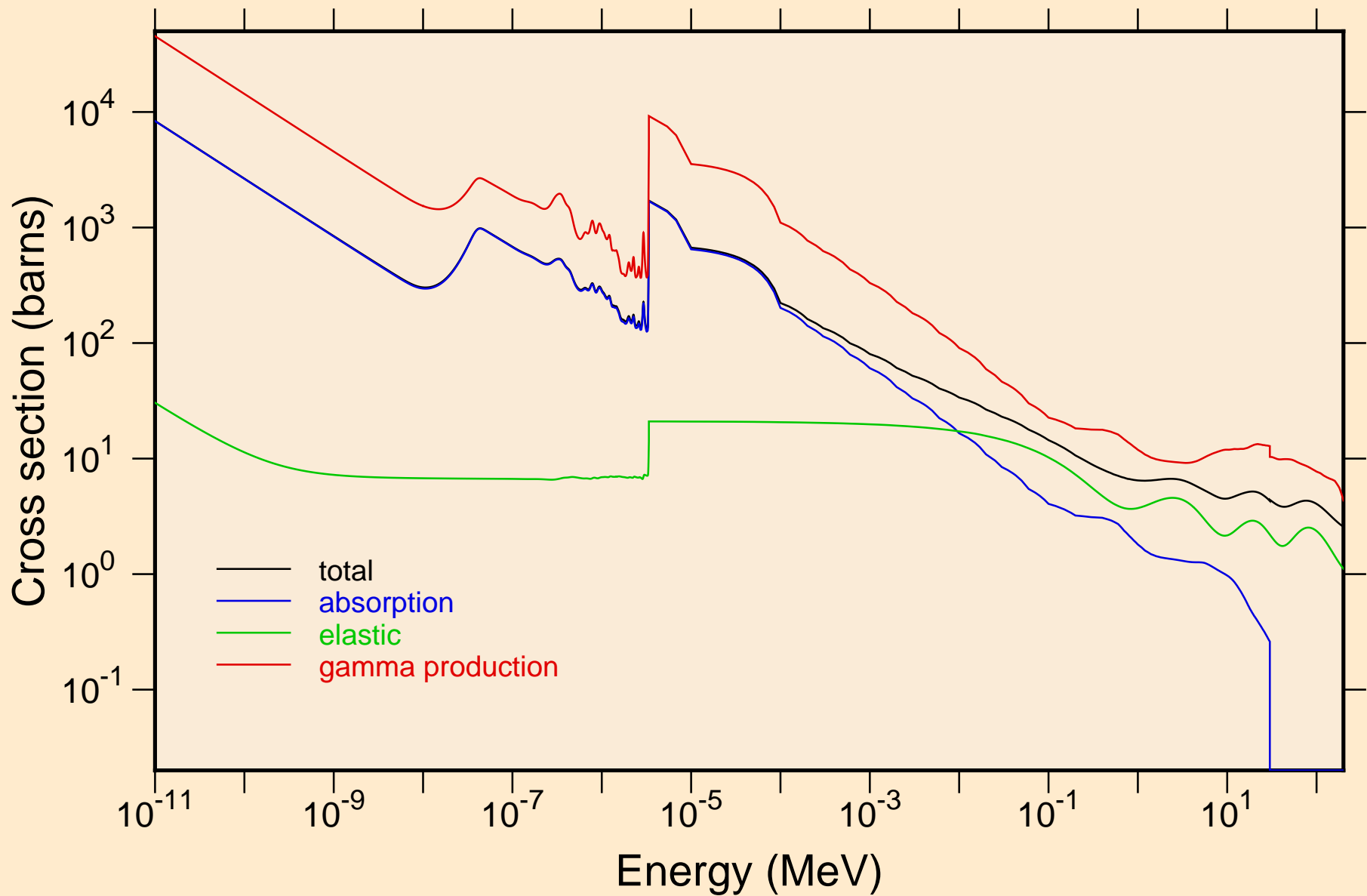
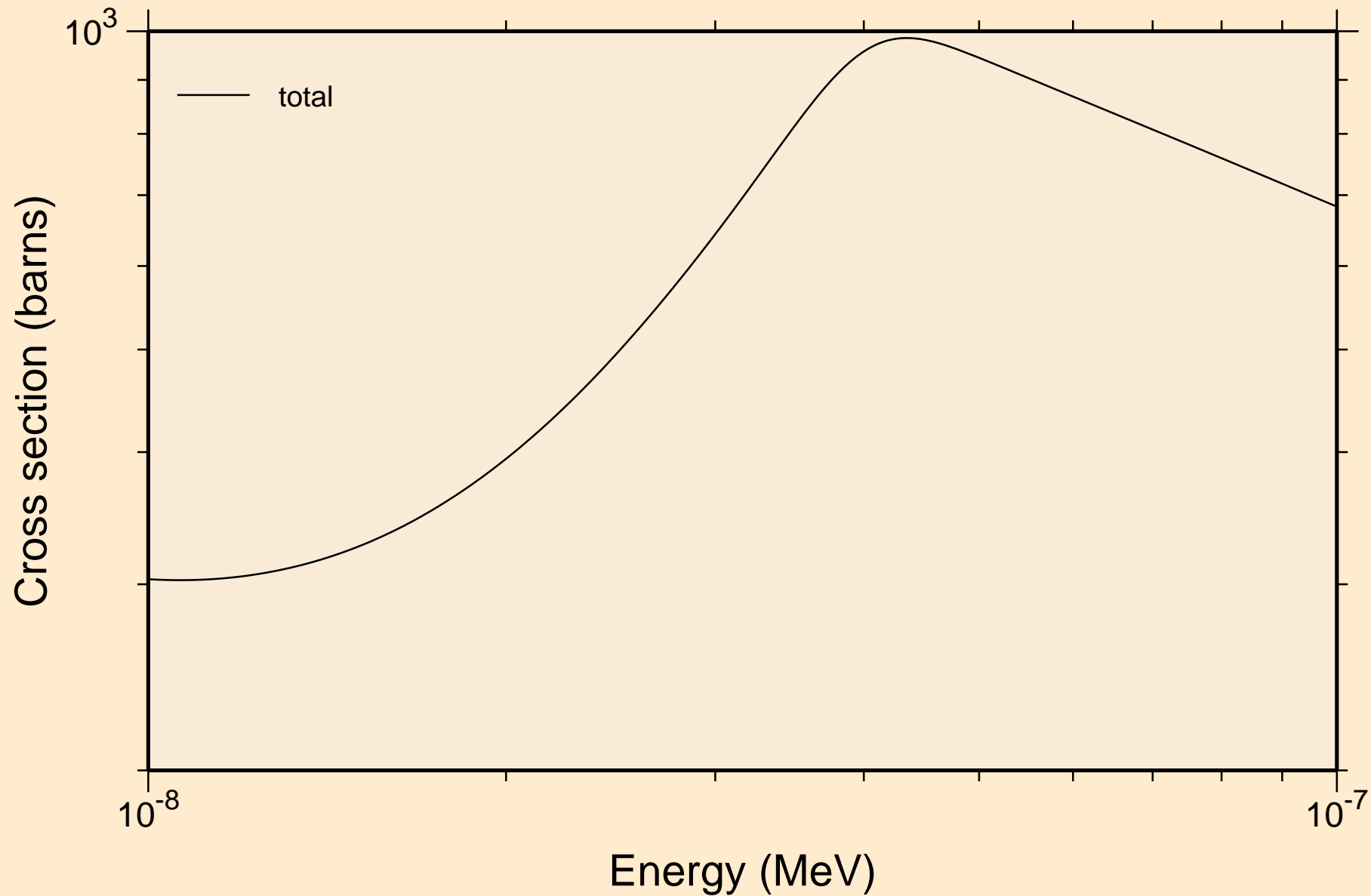


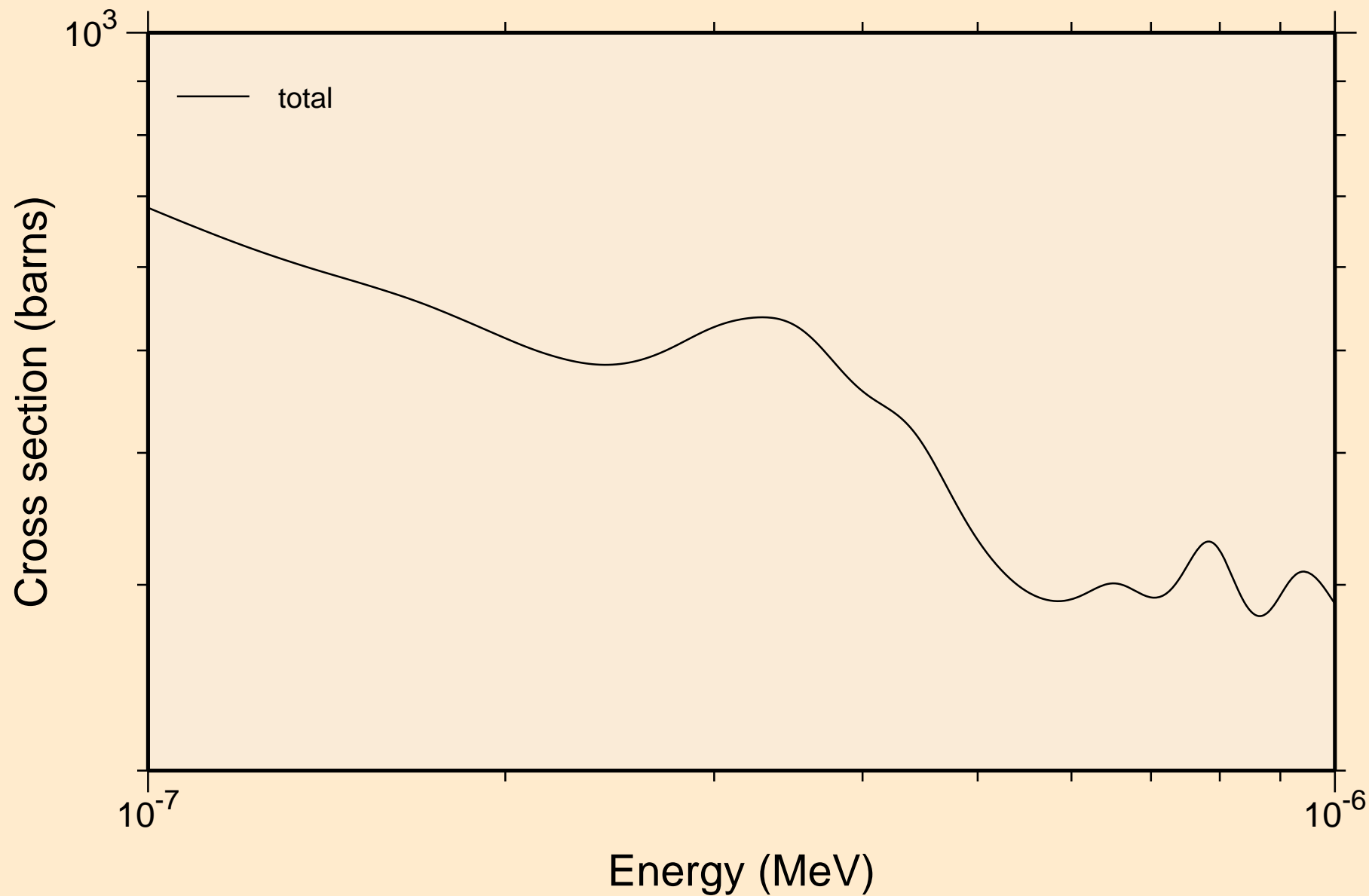
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Principal cross sections



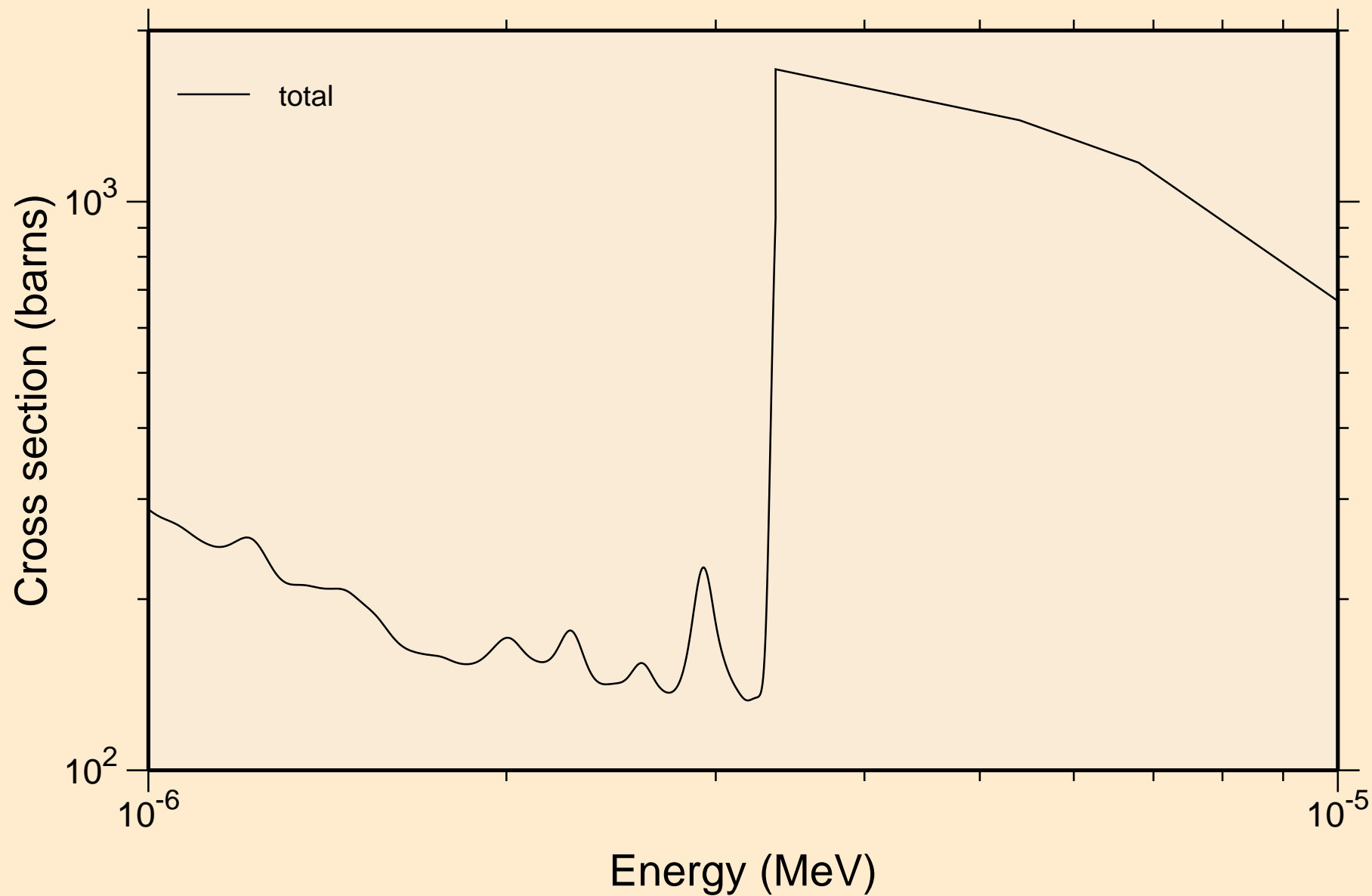
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



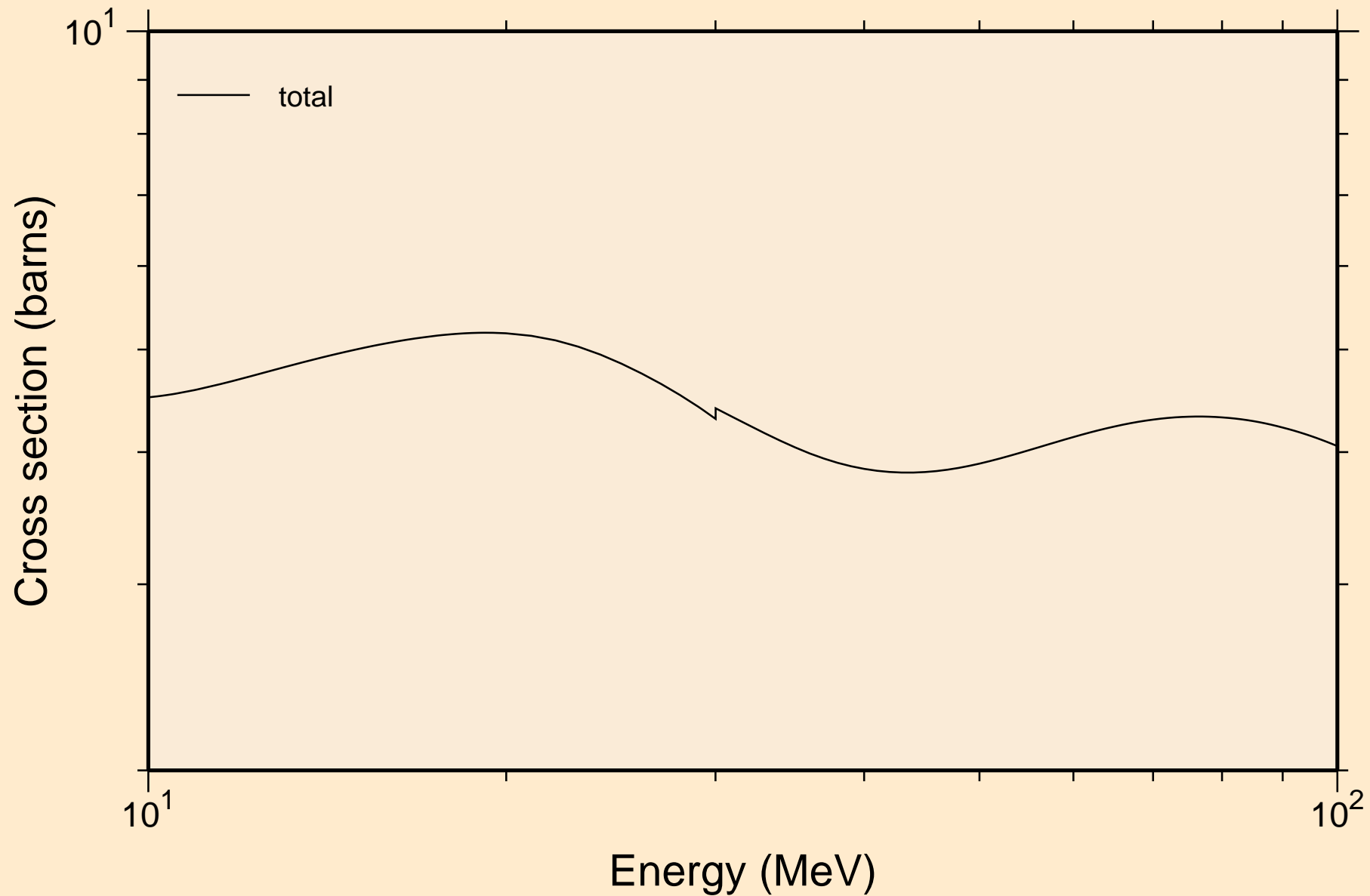
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resonance total cross section



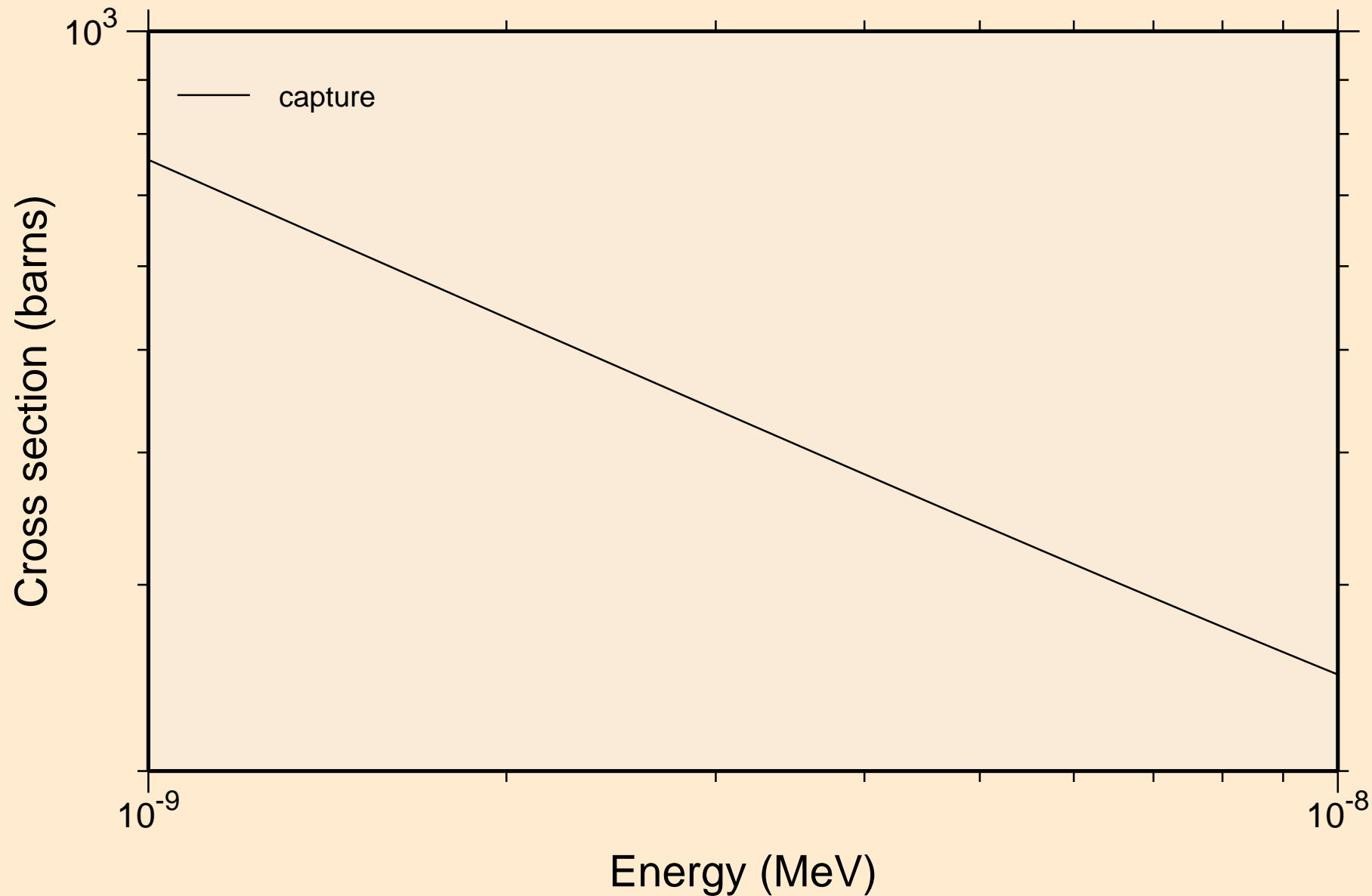
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resonance total cross section



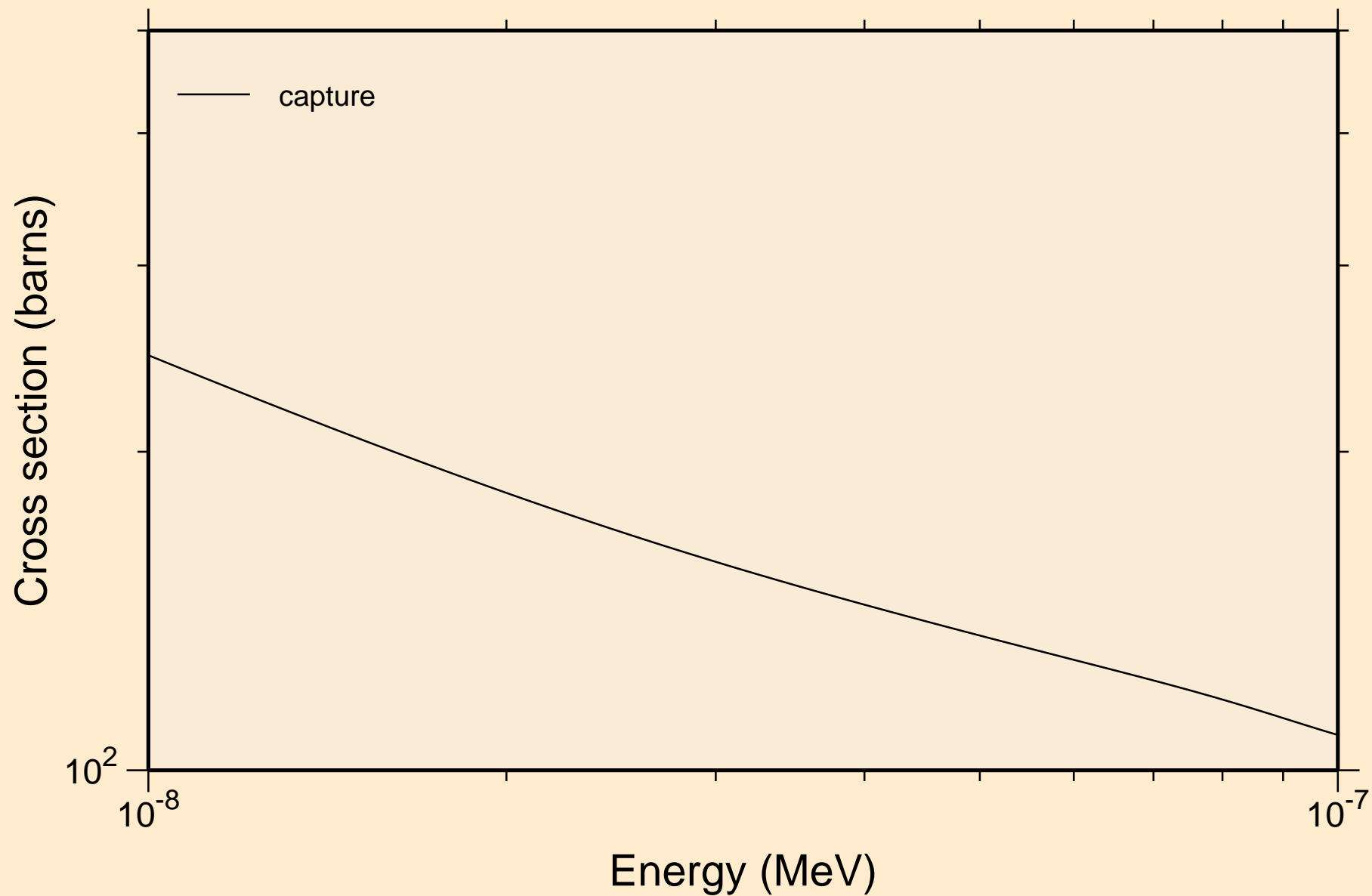
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resonance total cross section



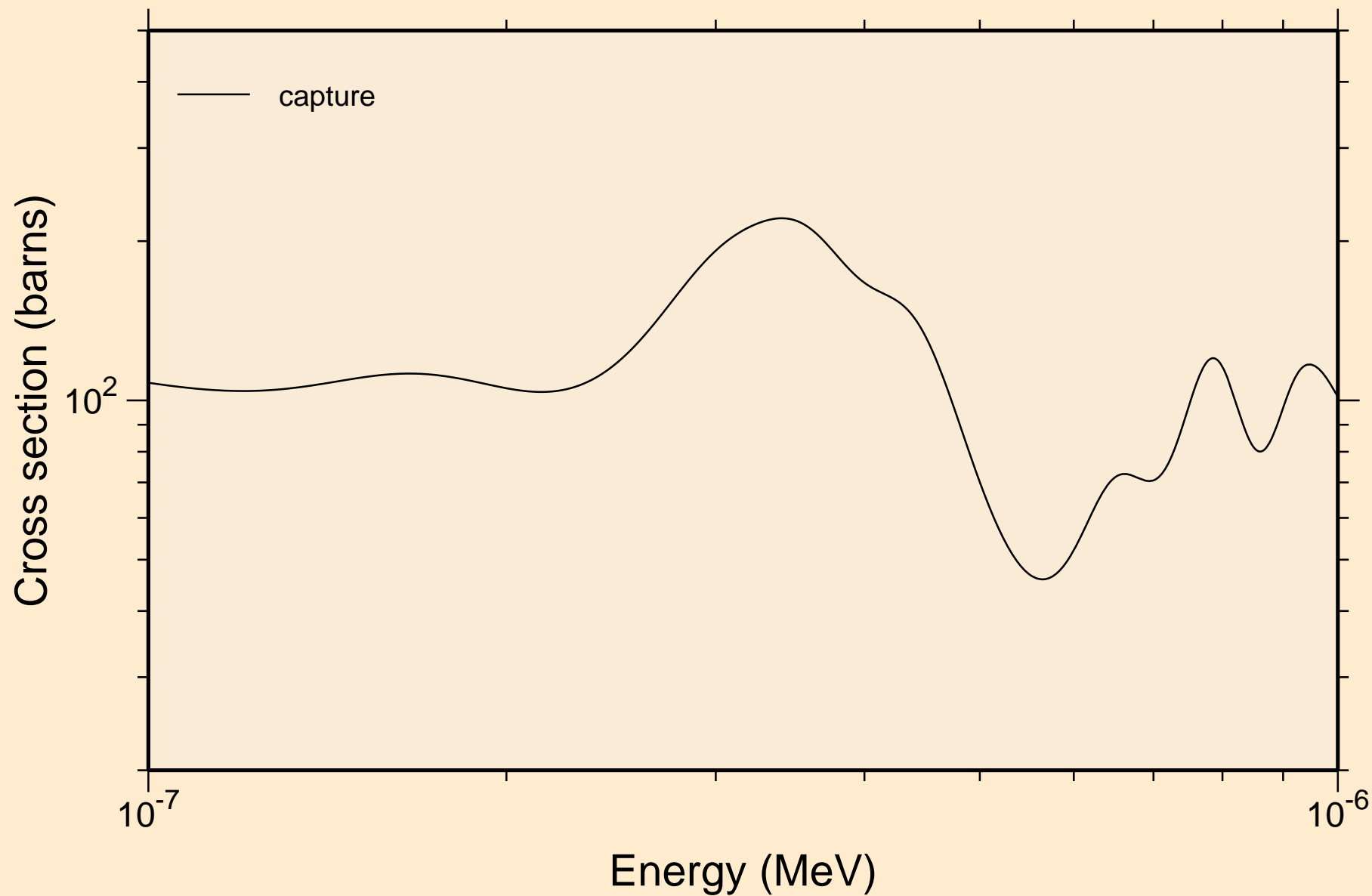
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resonance absorption cross sections



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

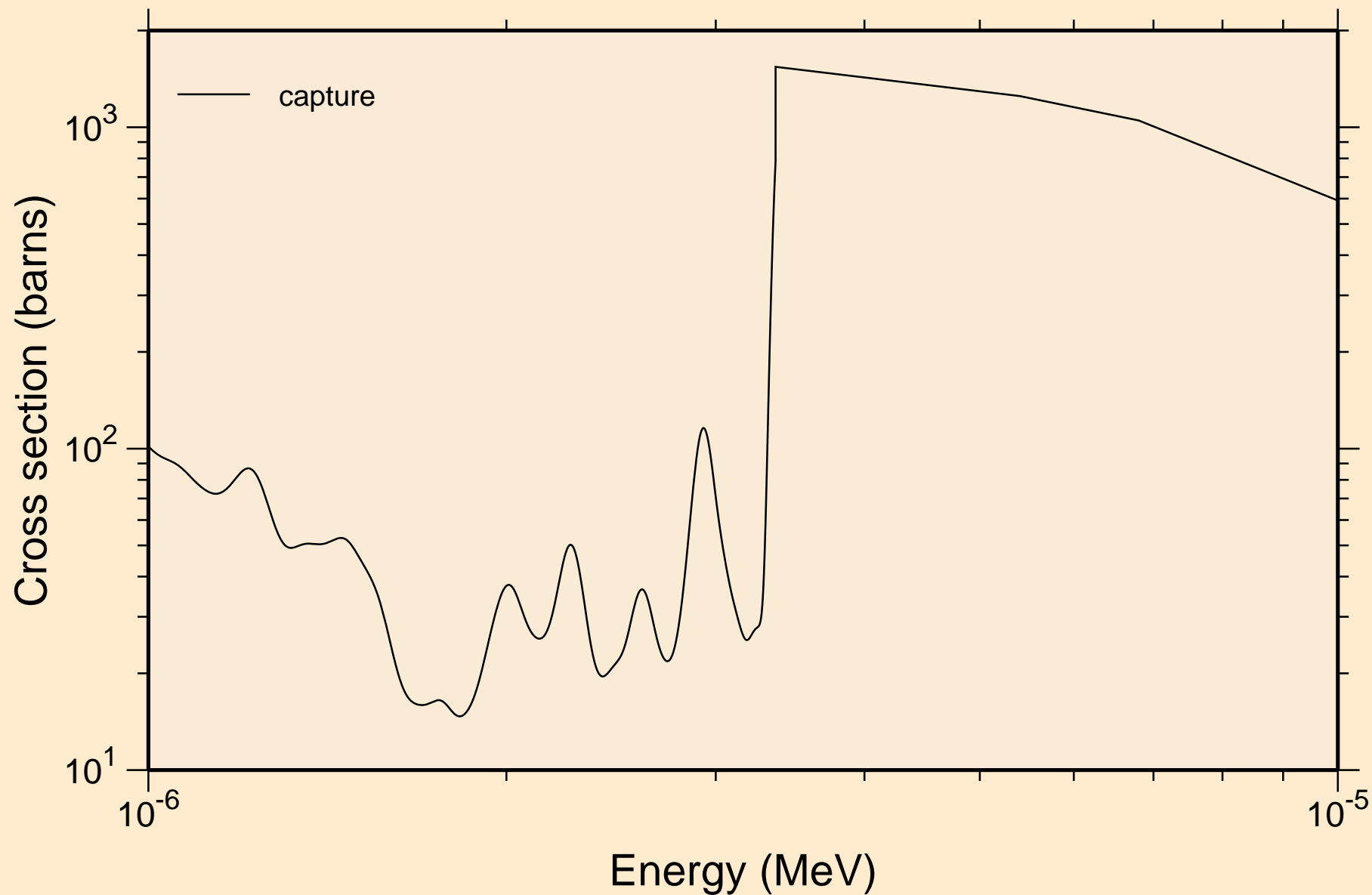


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resonance absorption cross sections

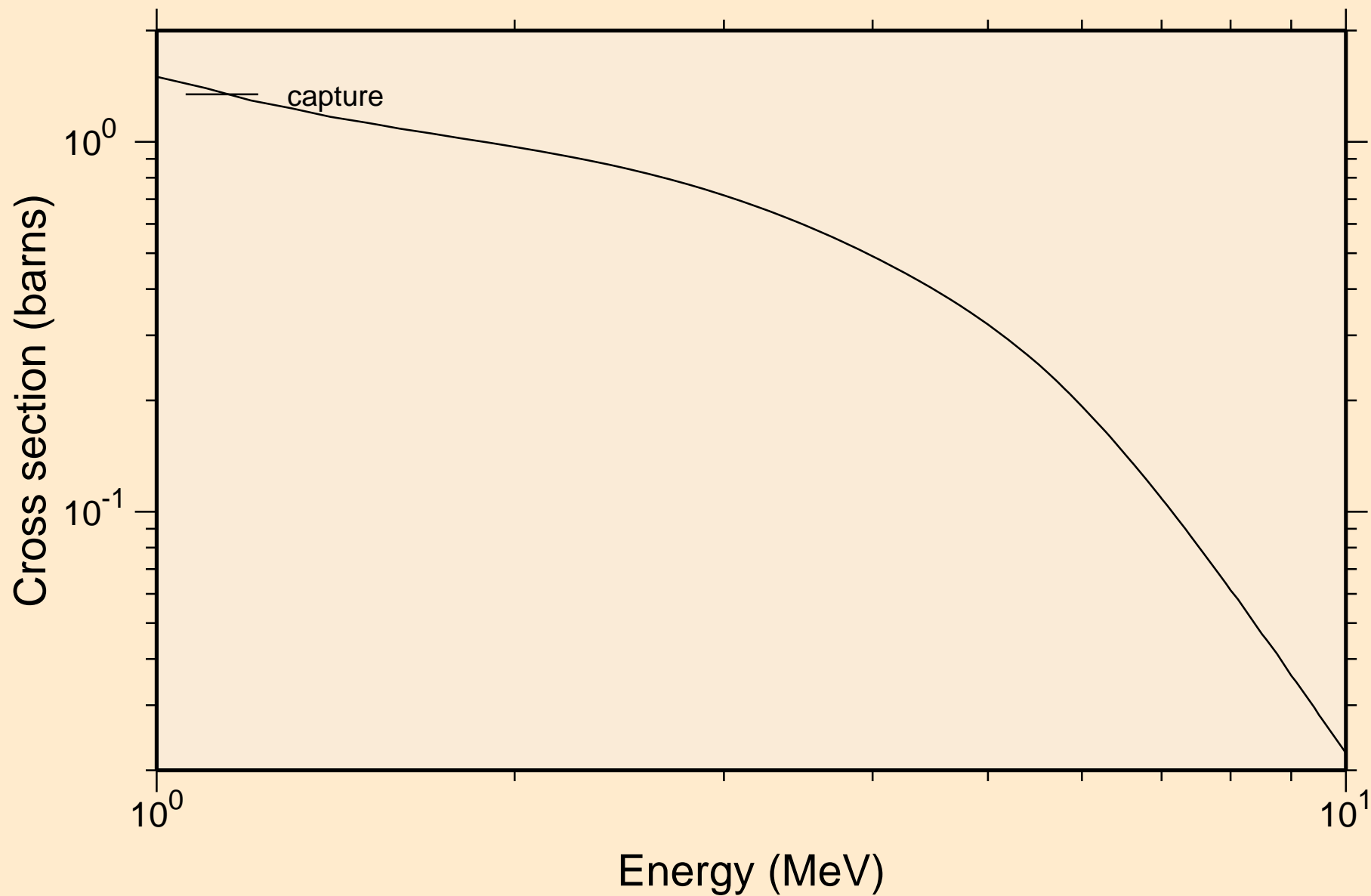




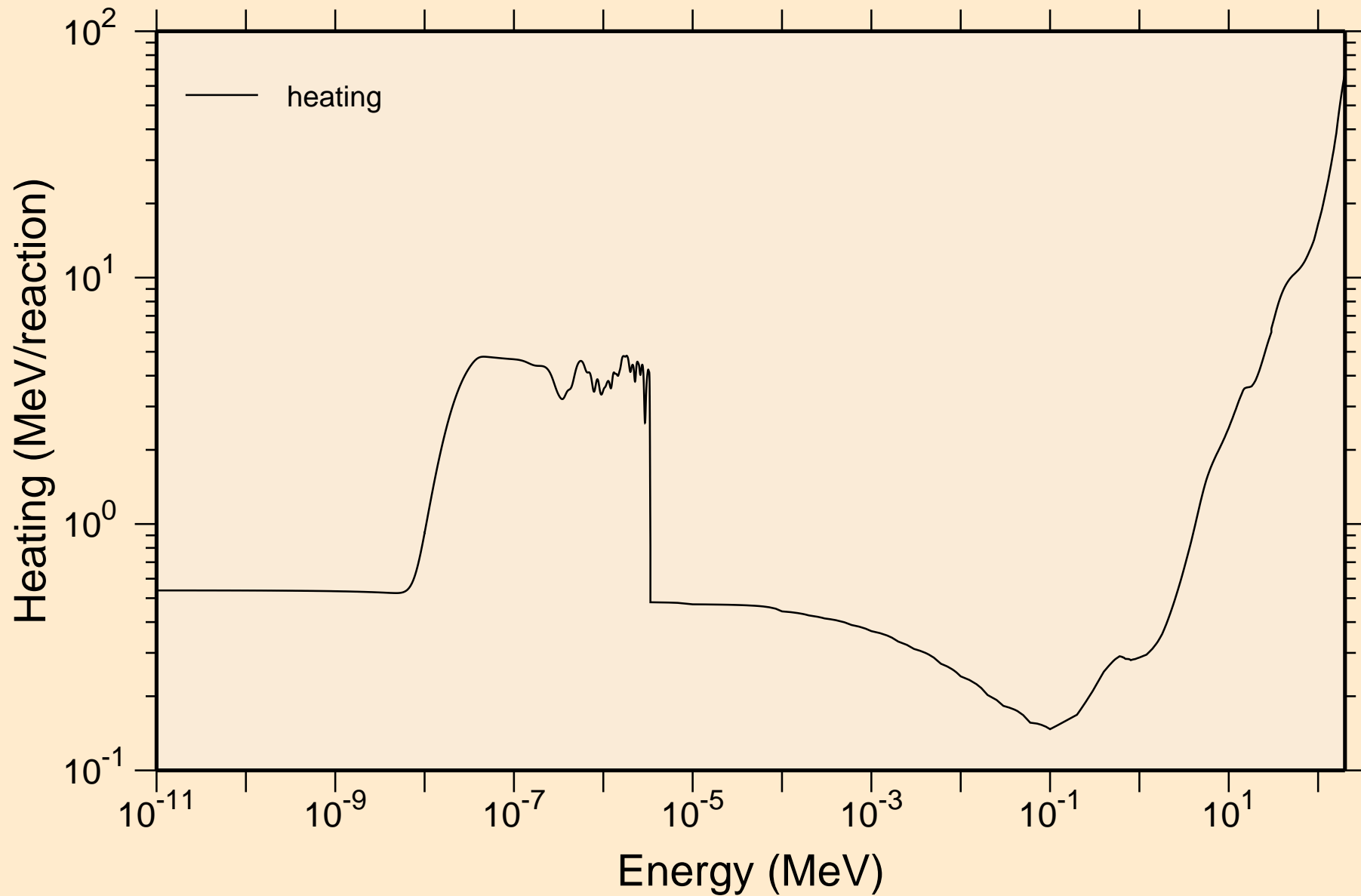
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resonance absorption cross sections



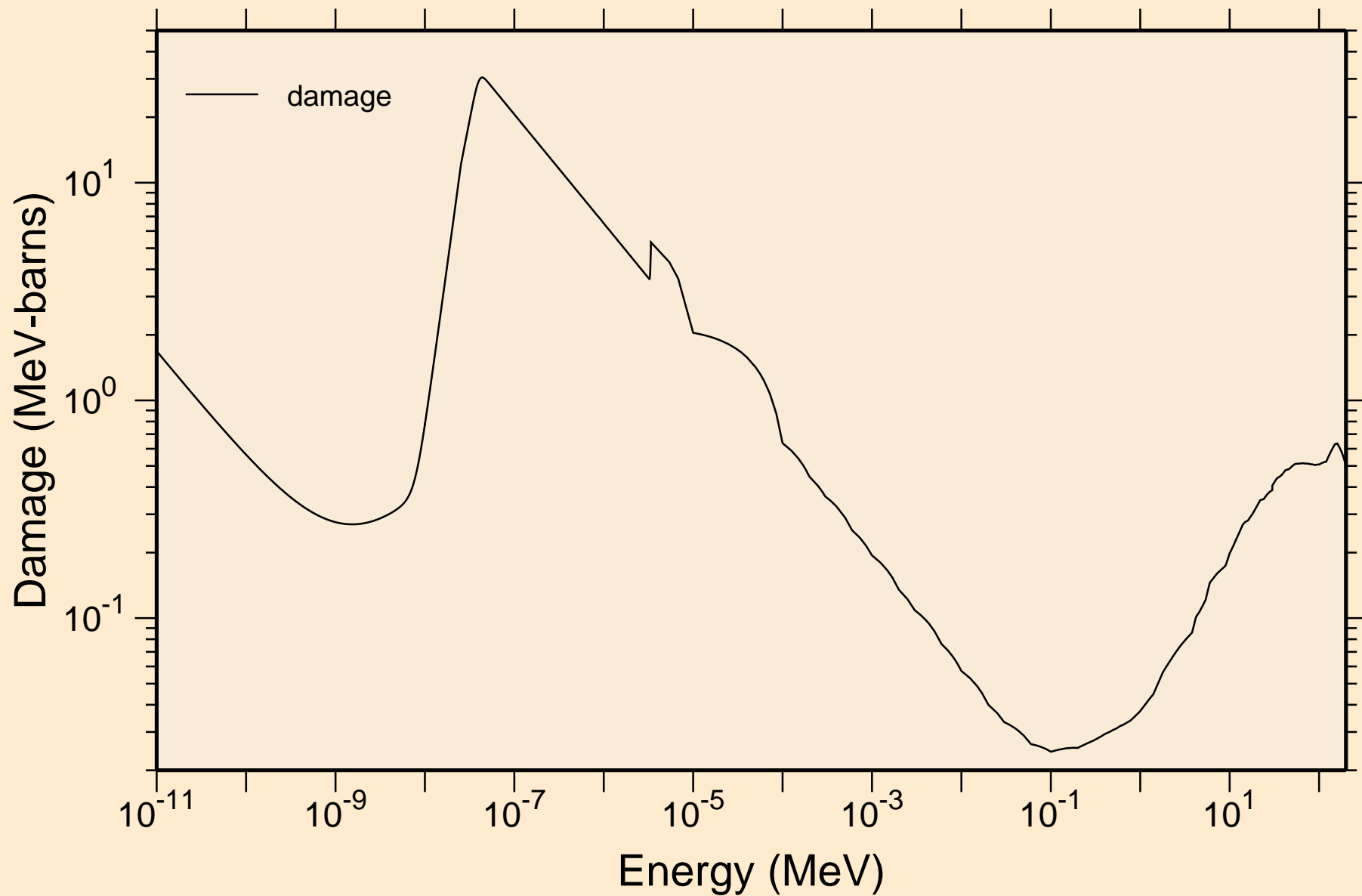
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resonance absorption cross sections



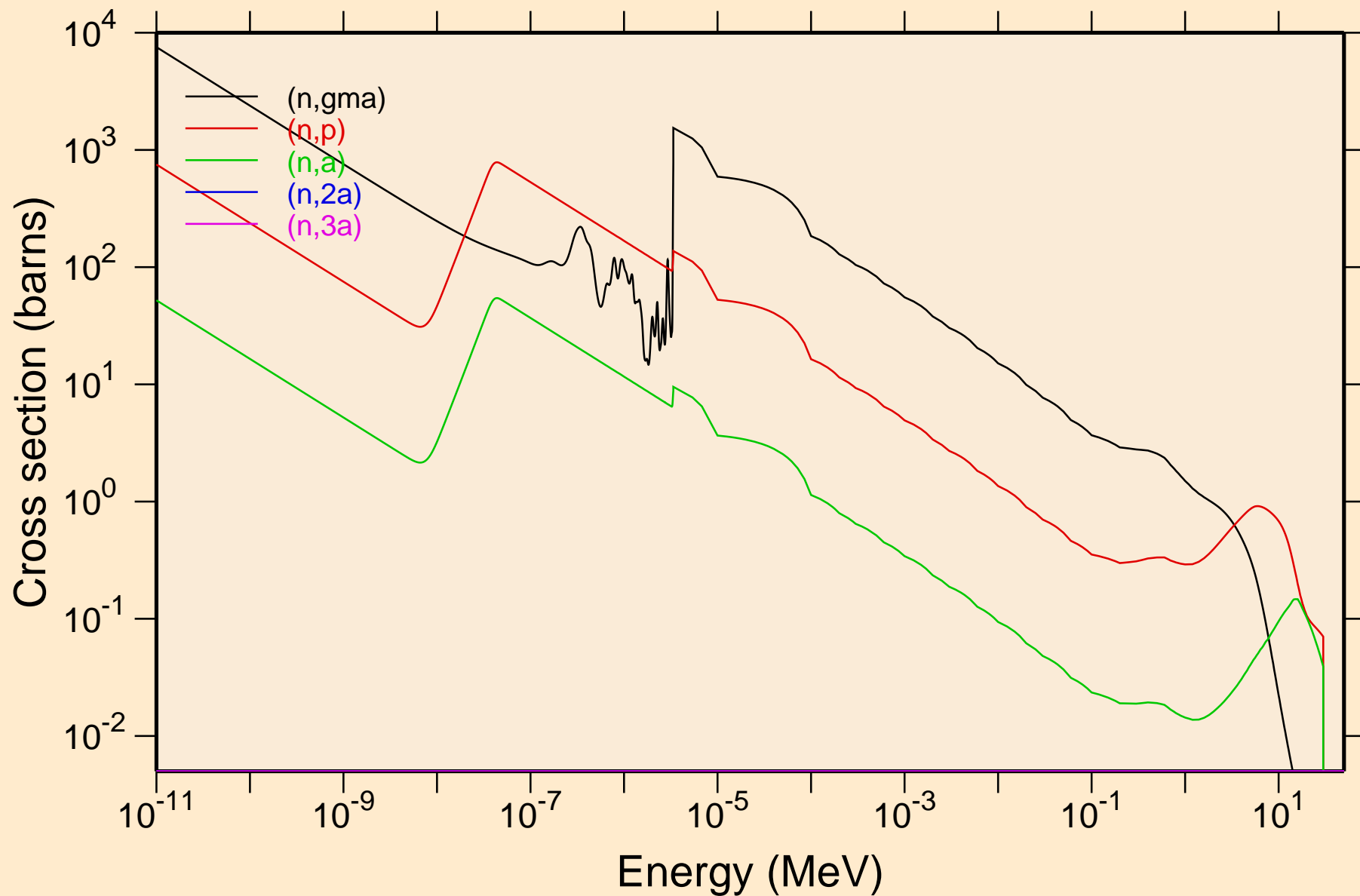
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Heating



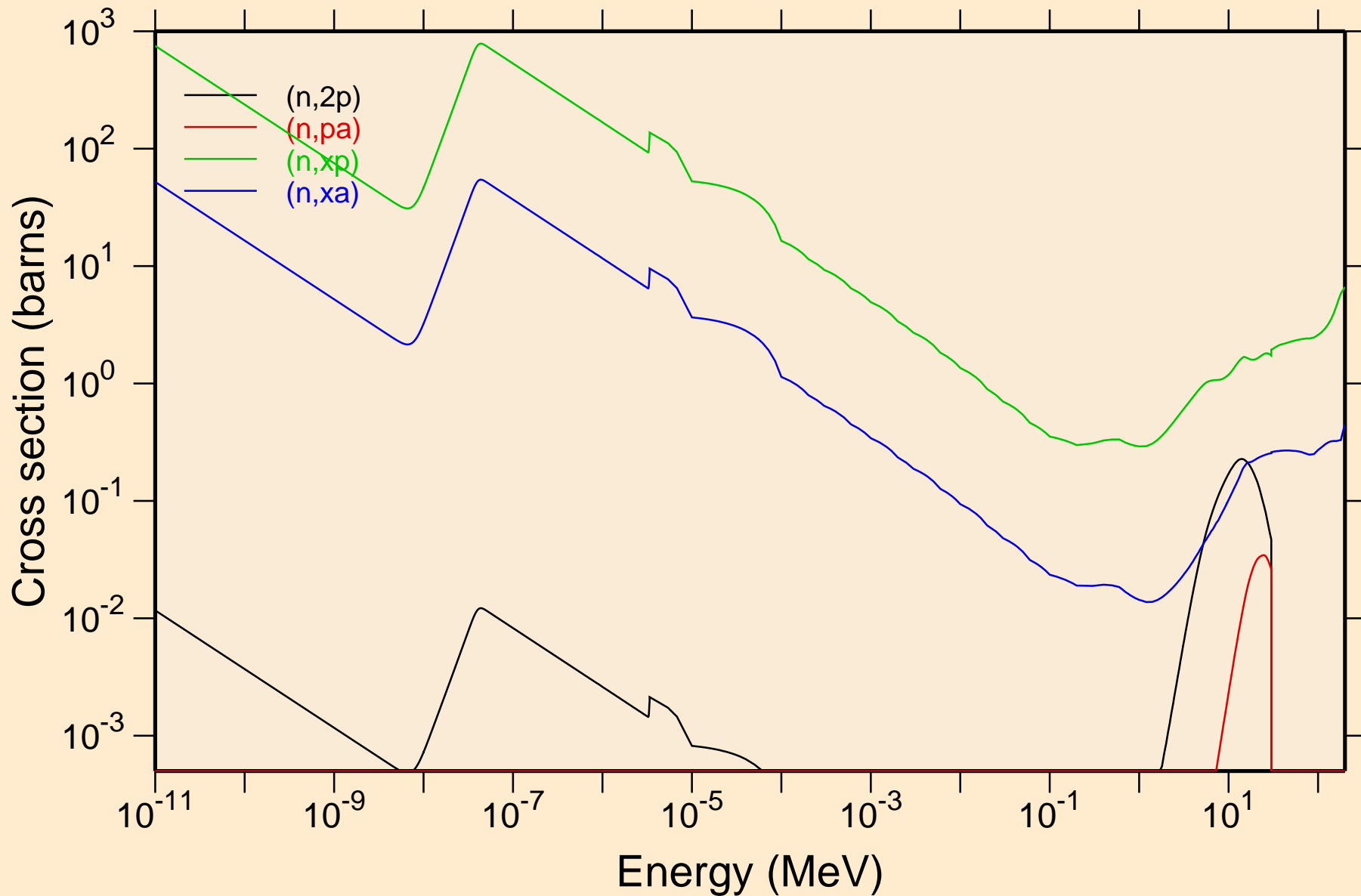
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Damage



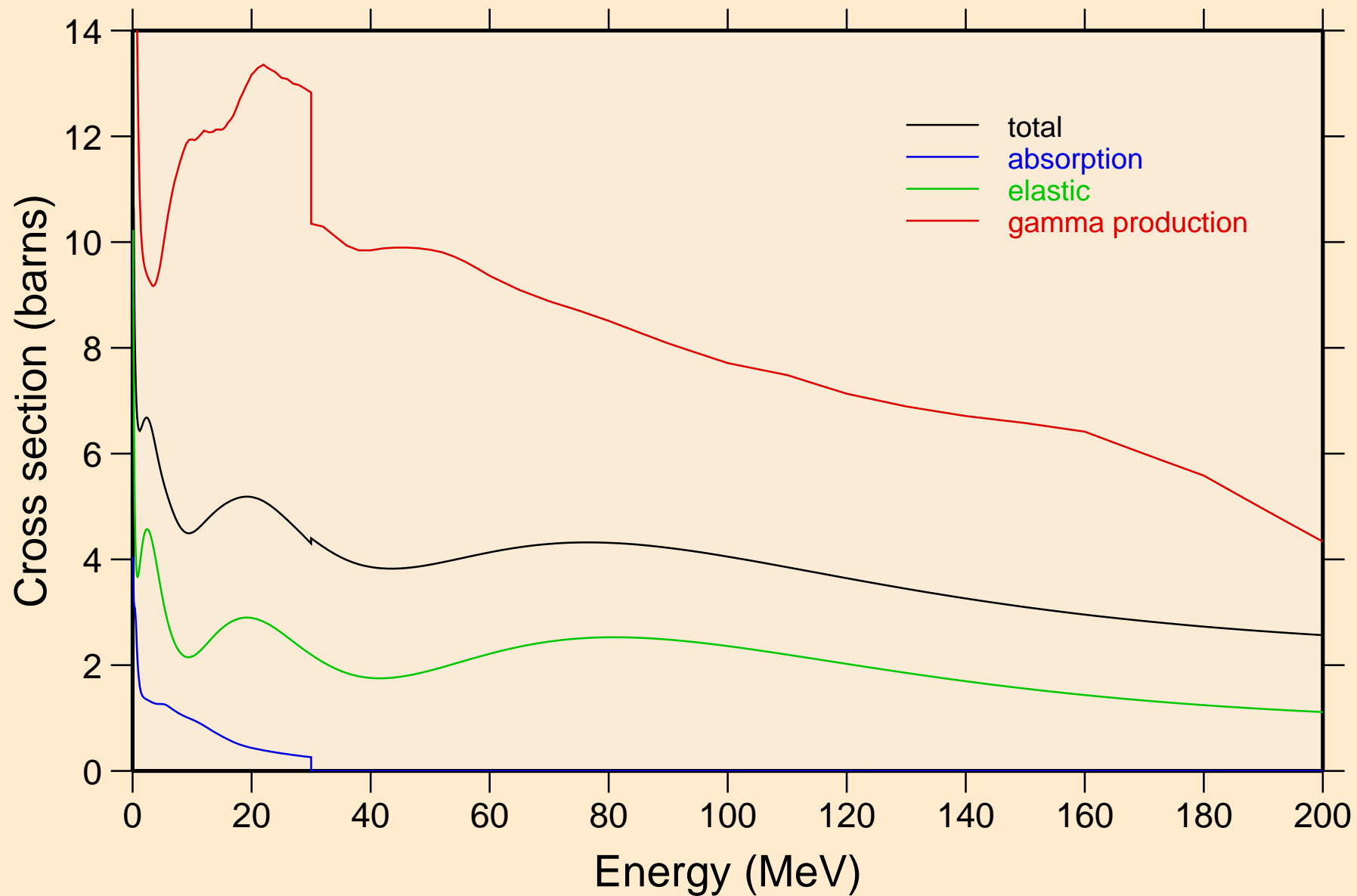
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Non-threshold reactions



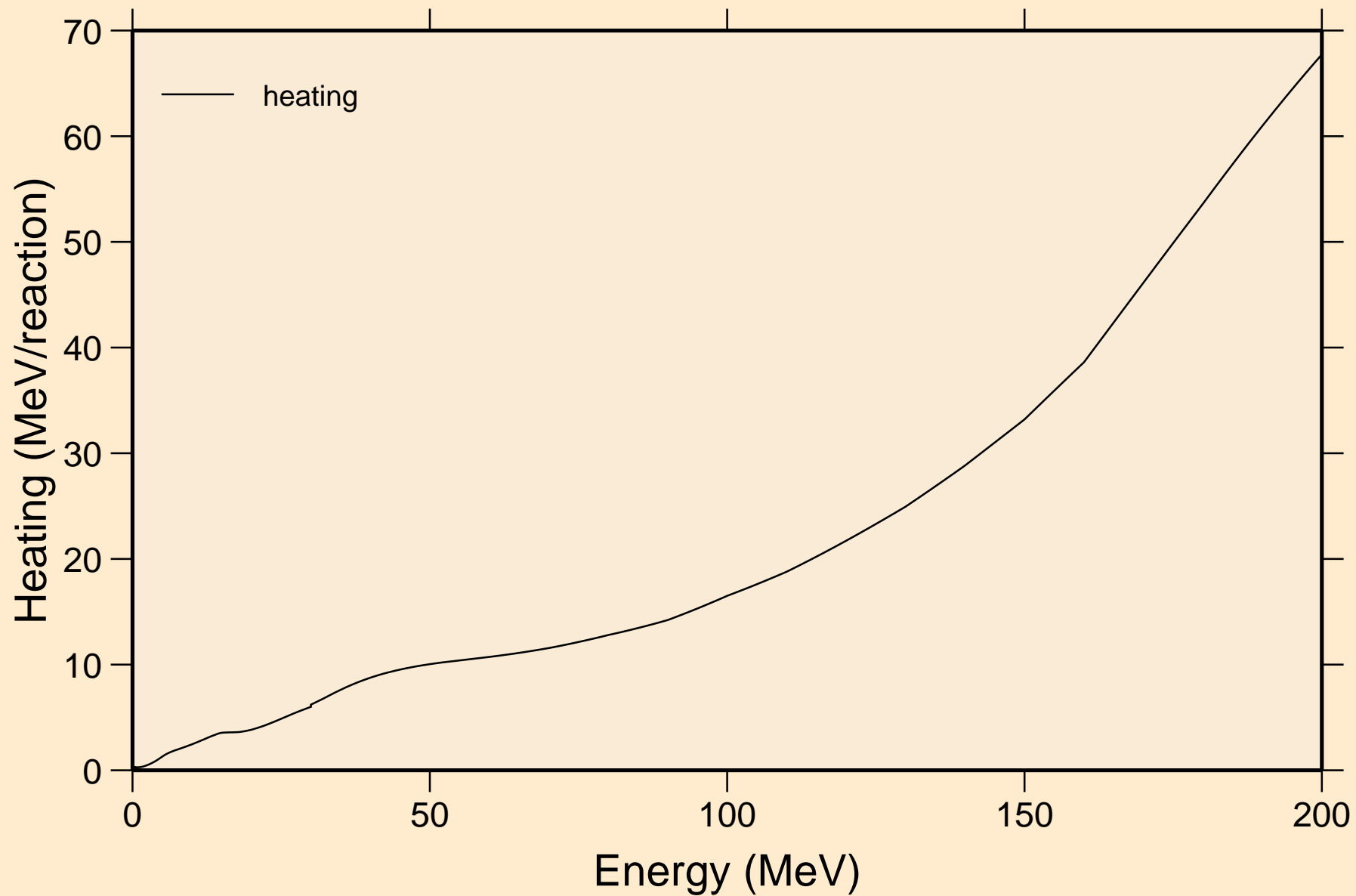
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

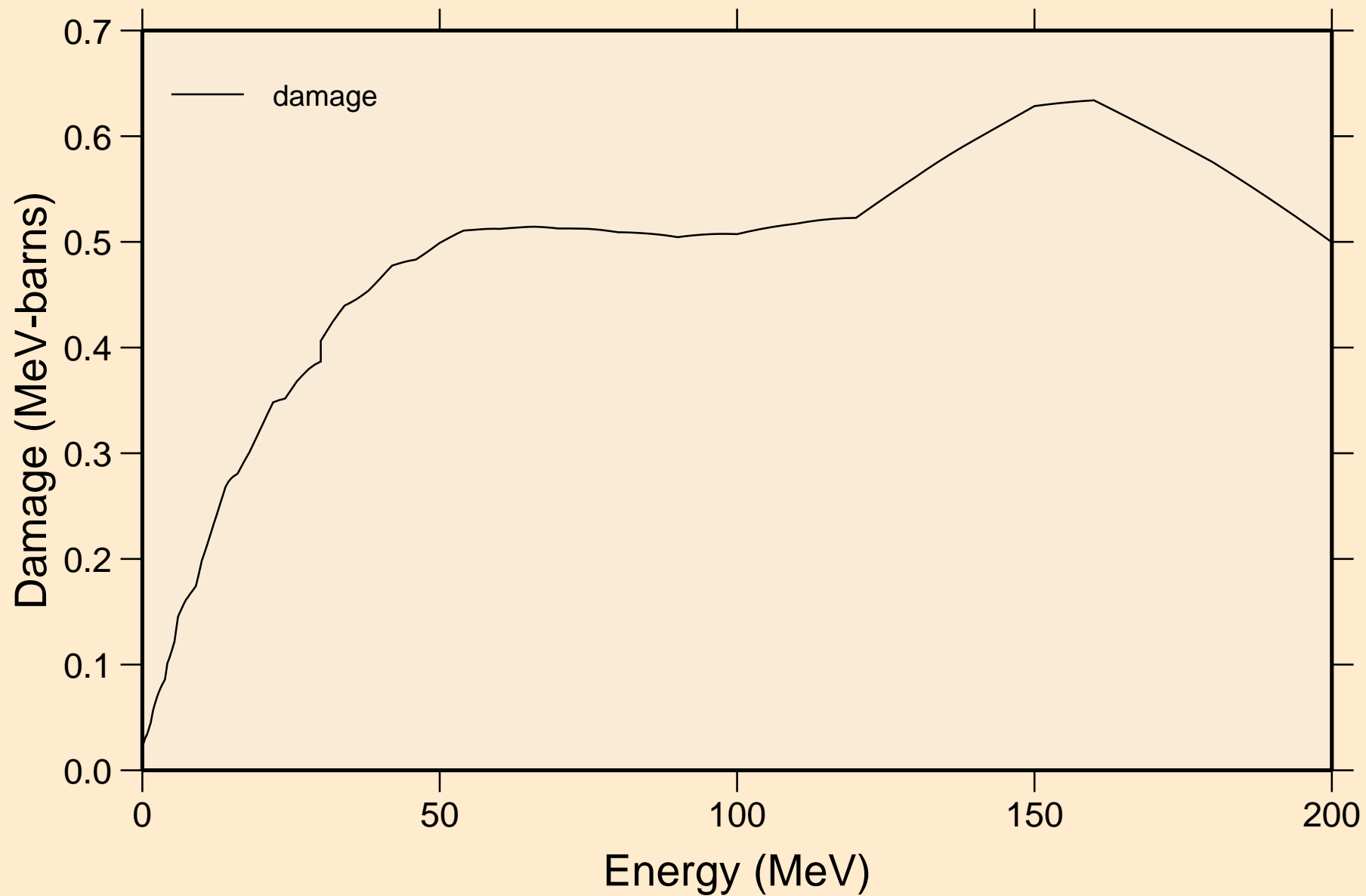


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

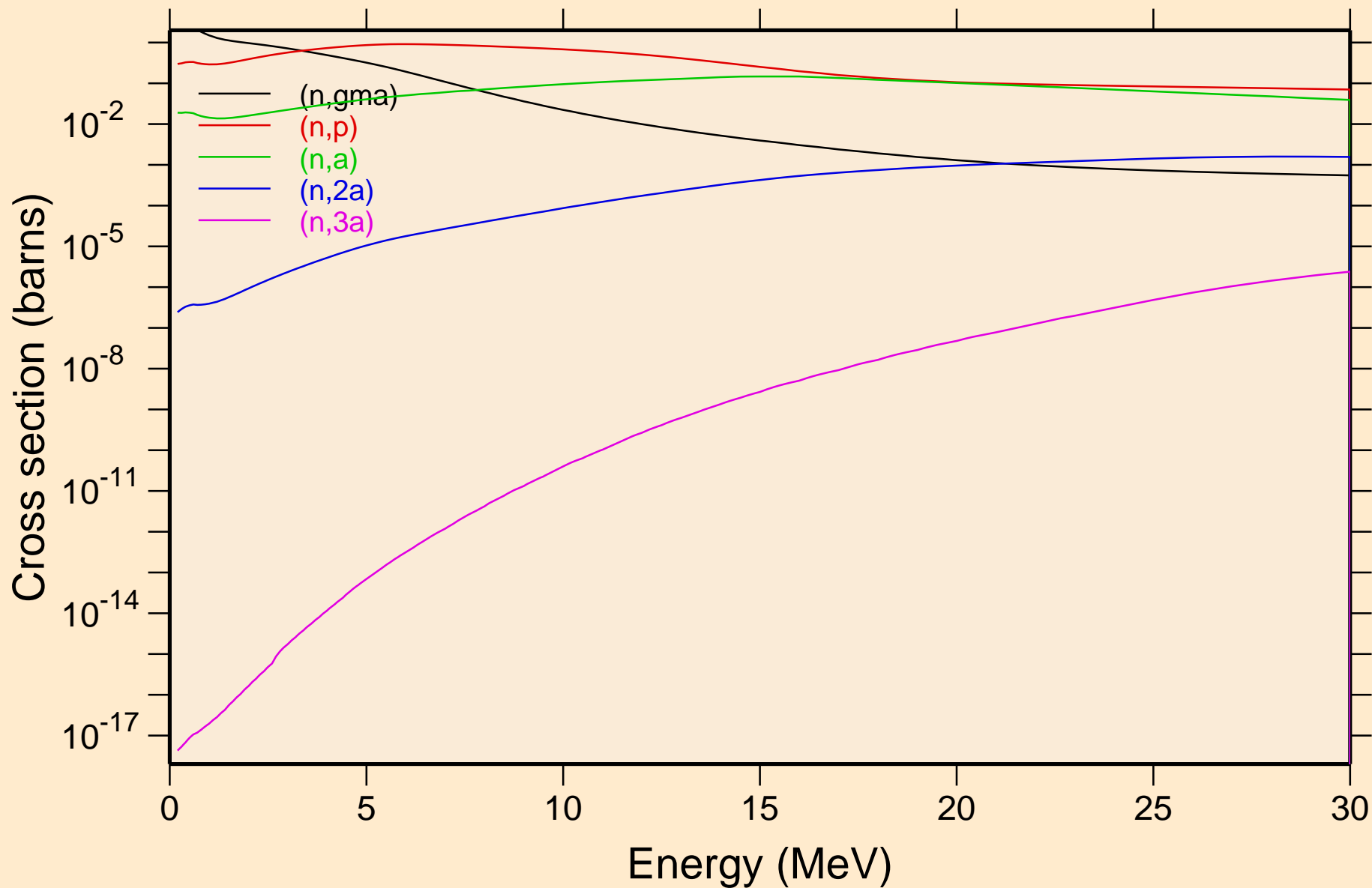




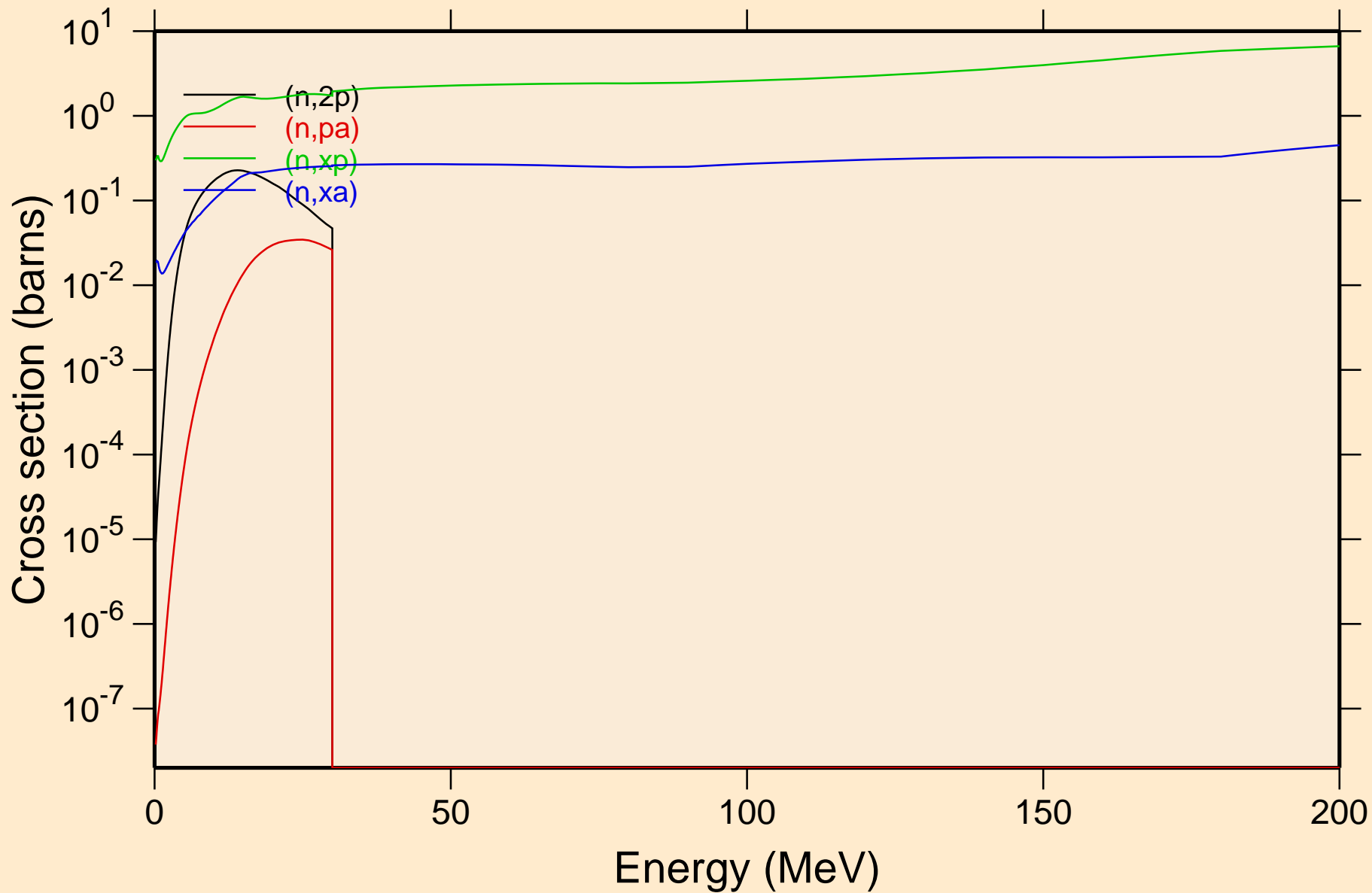
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



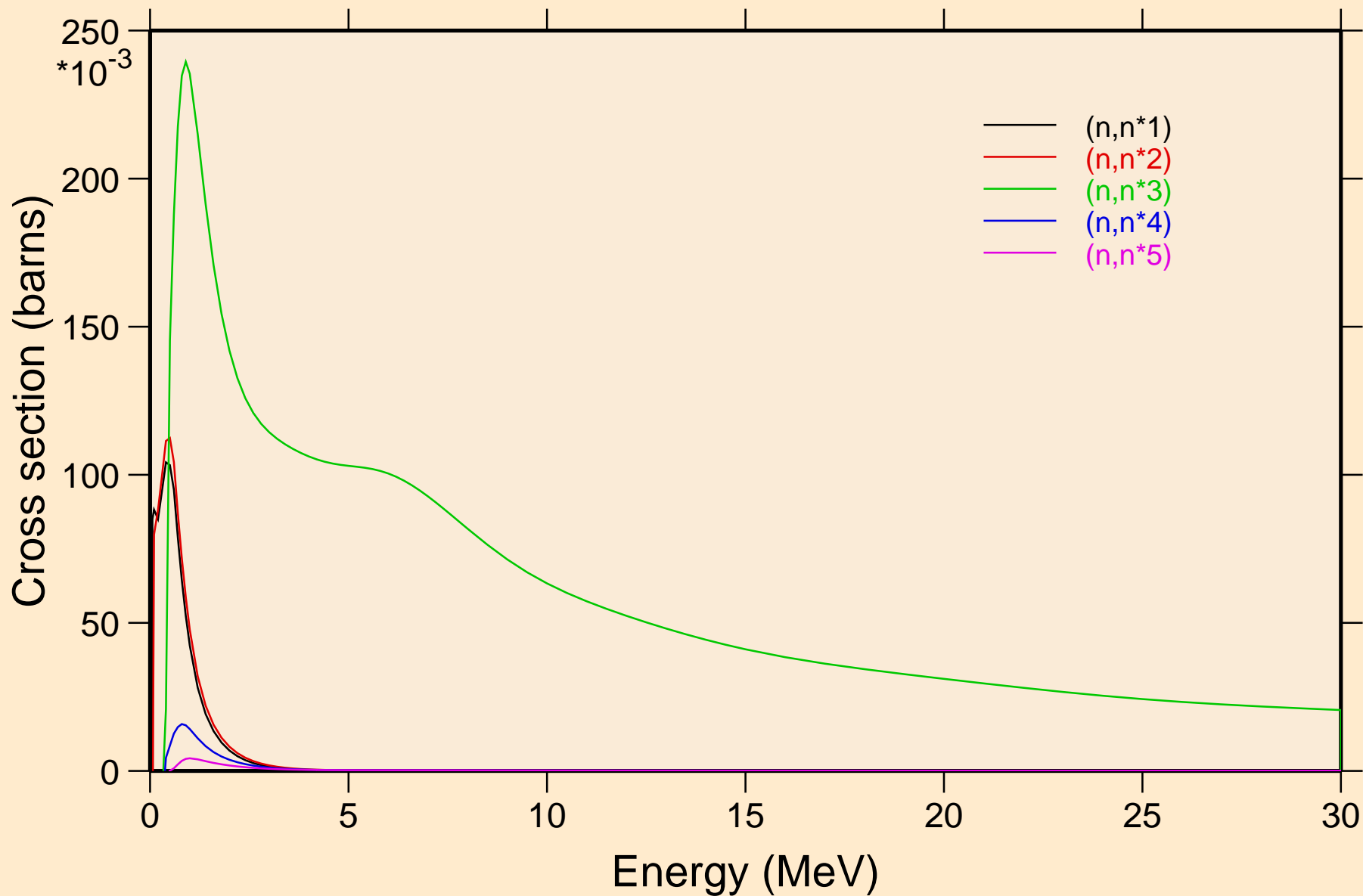
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Non-threshold reactions



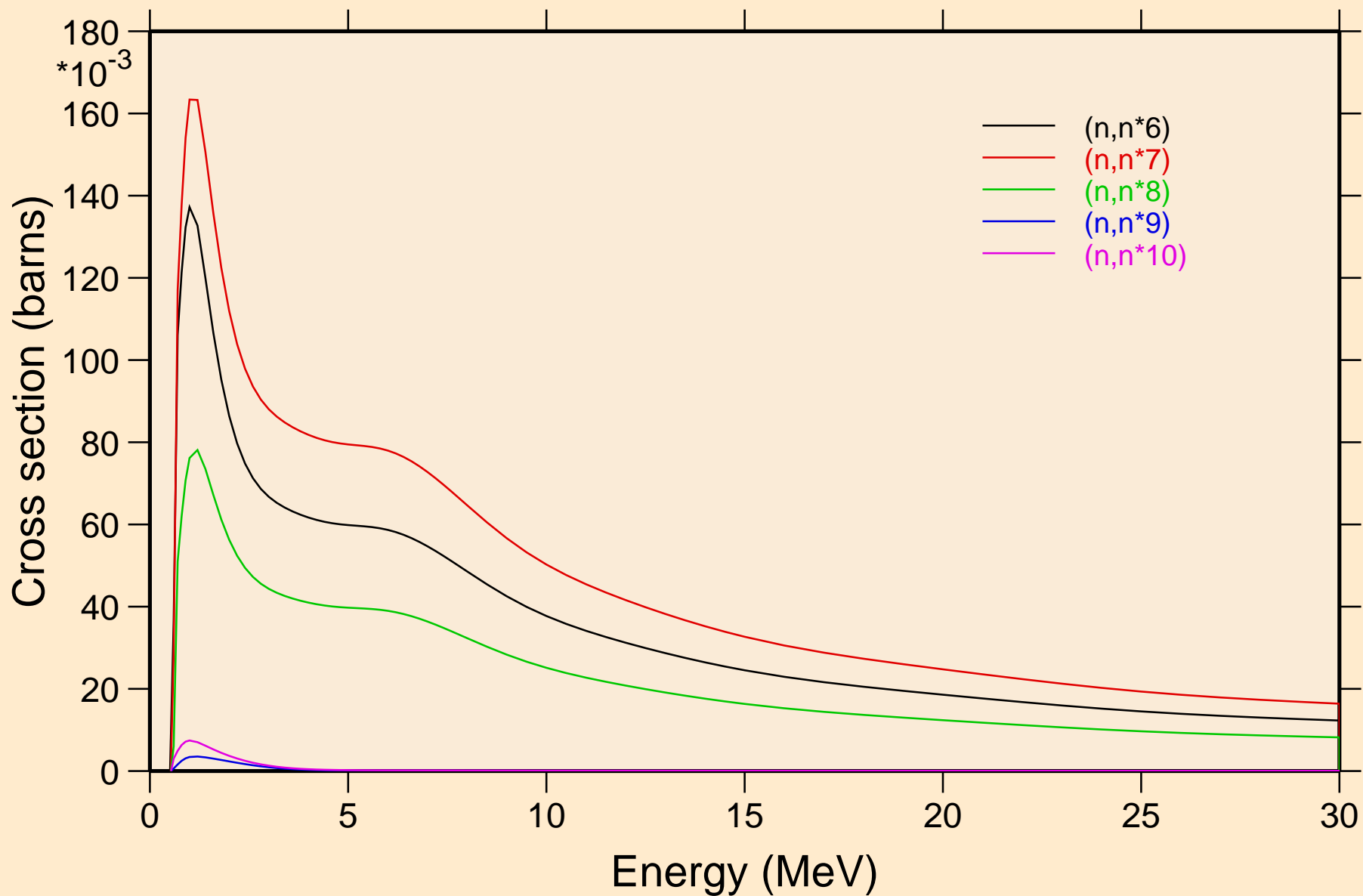
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



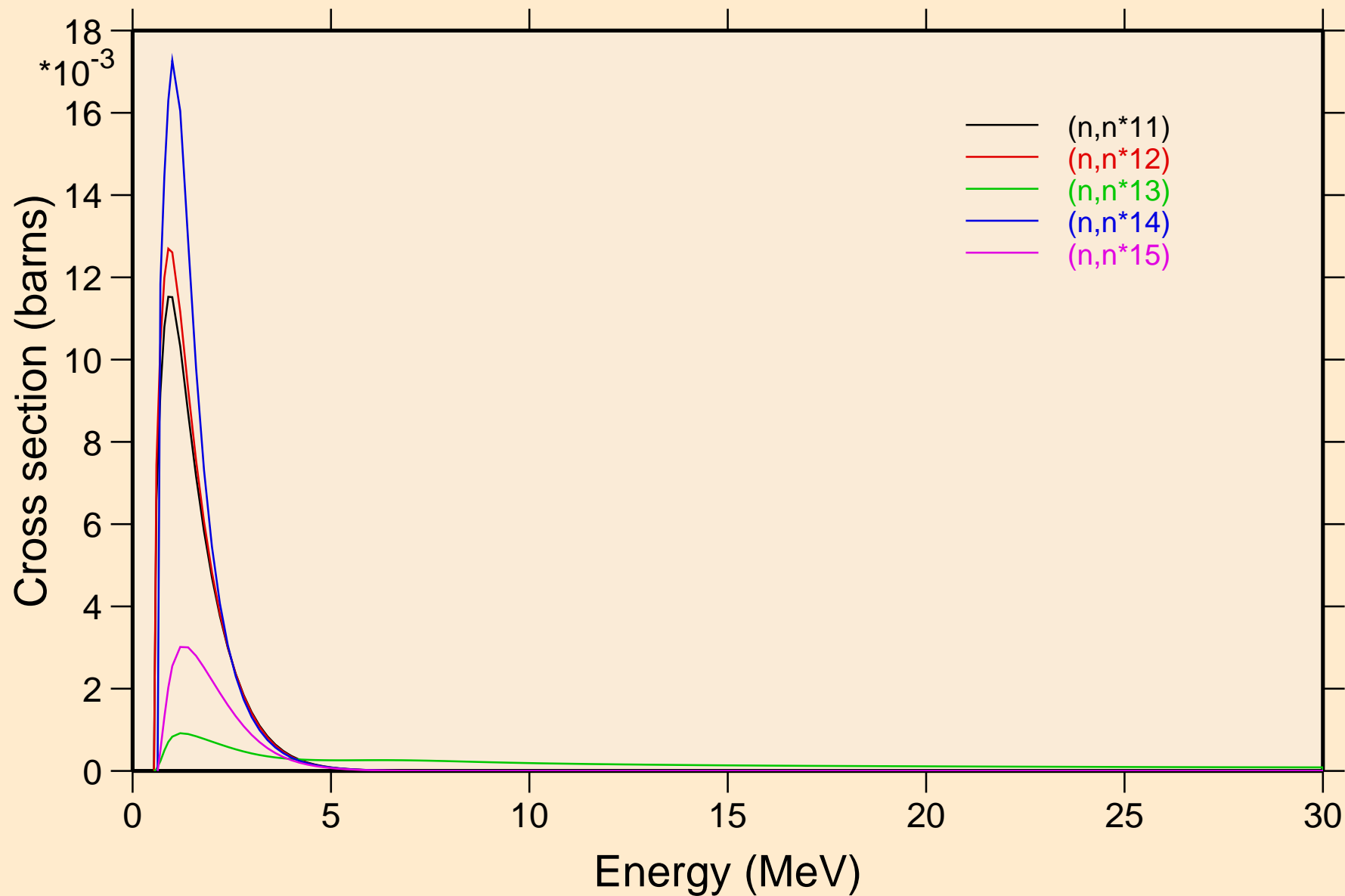
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



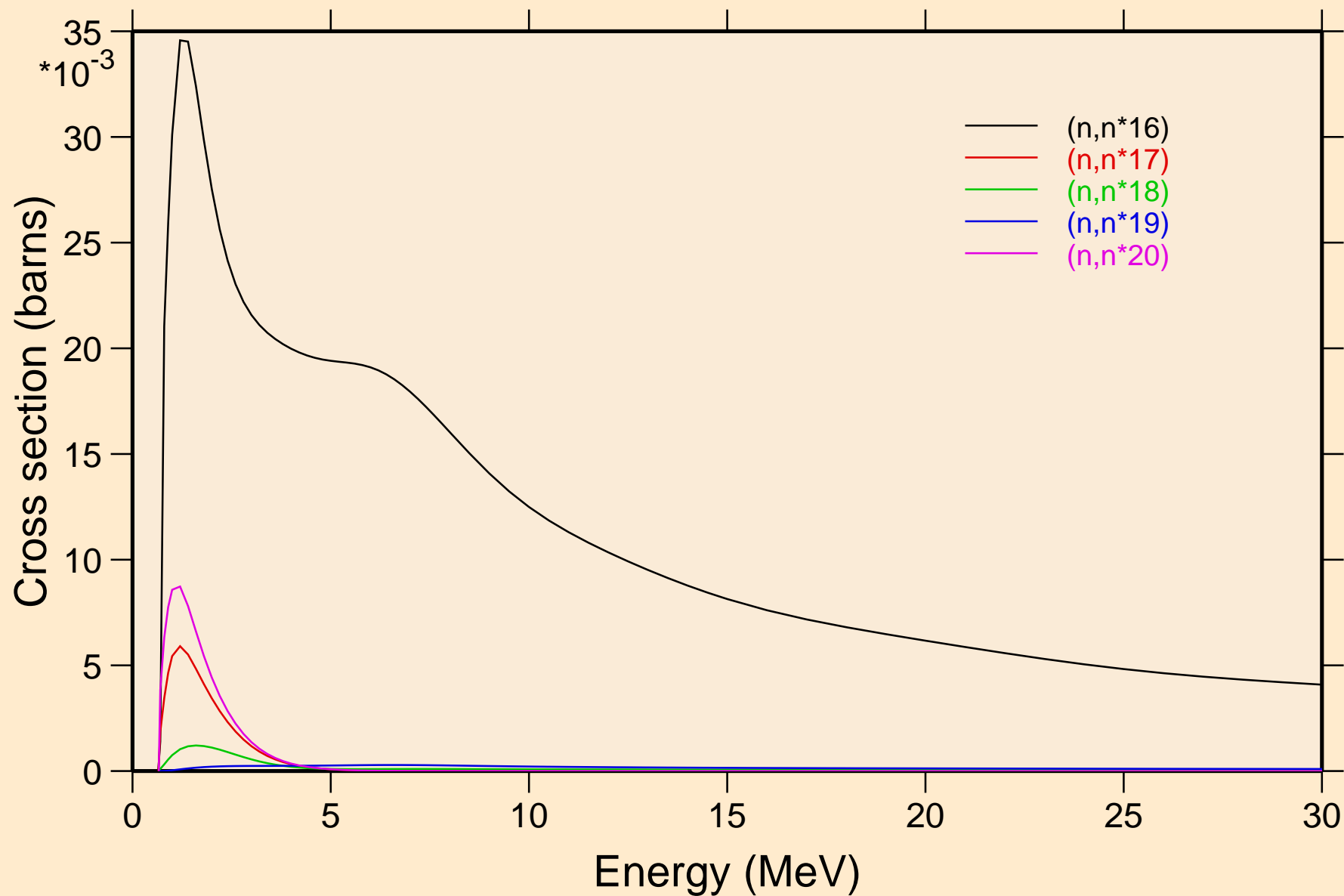
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



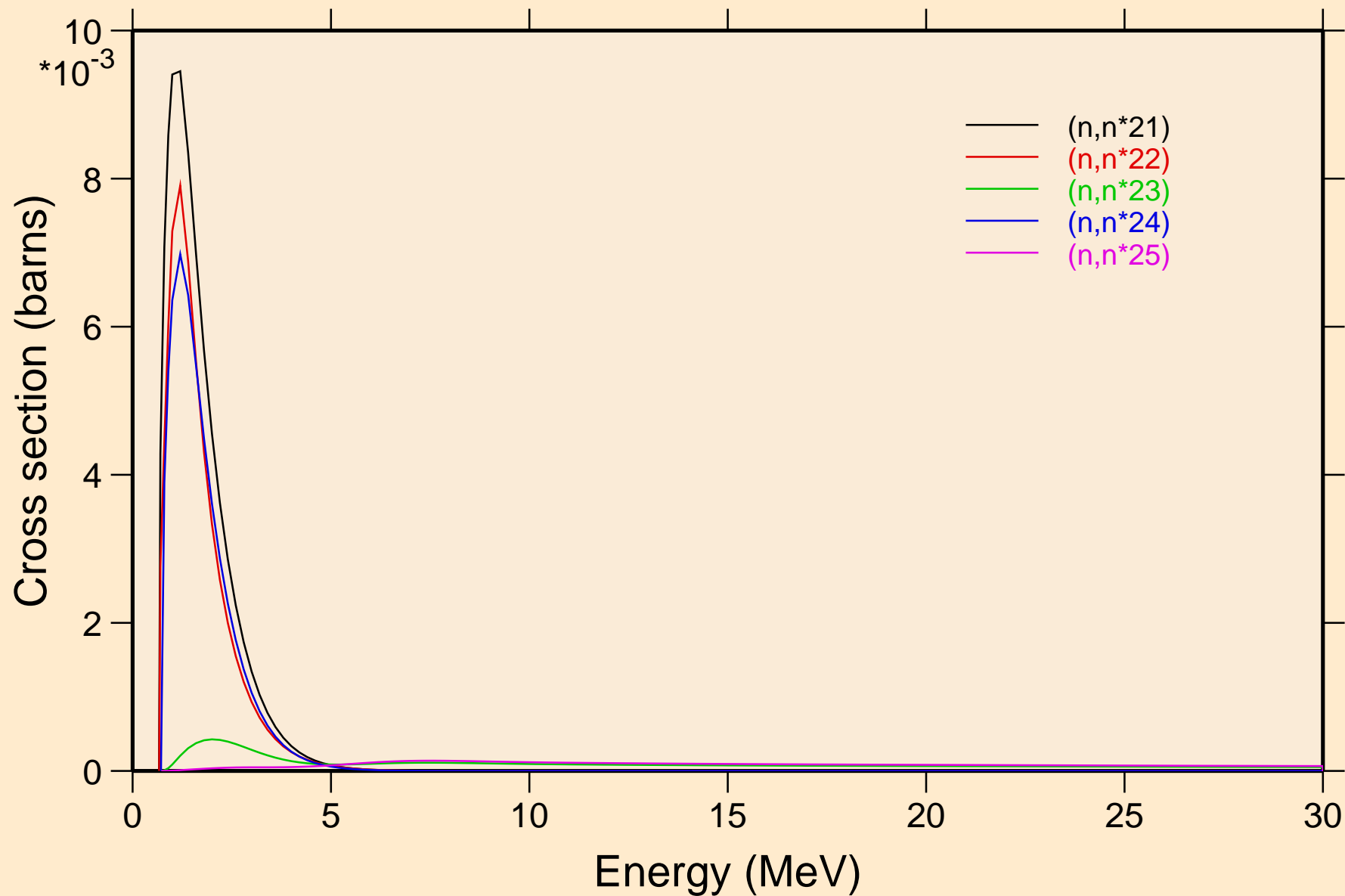
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

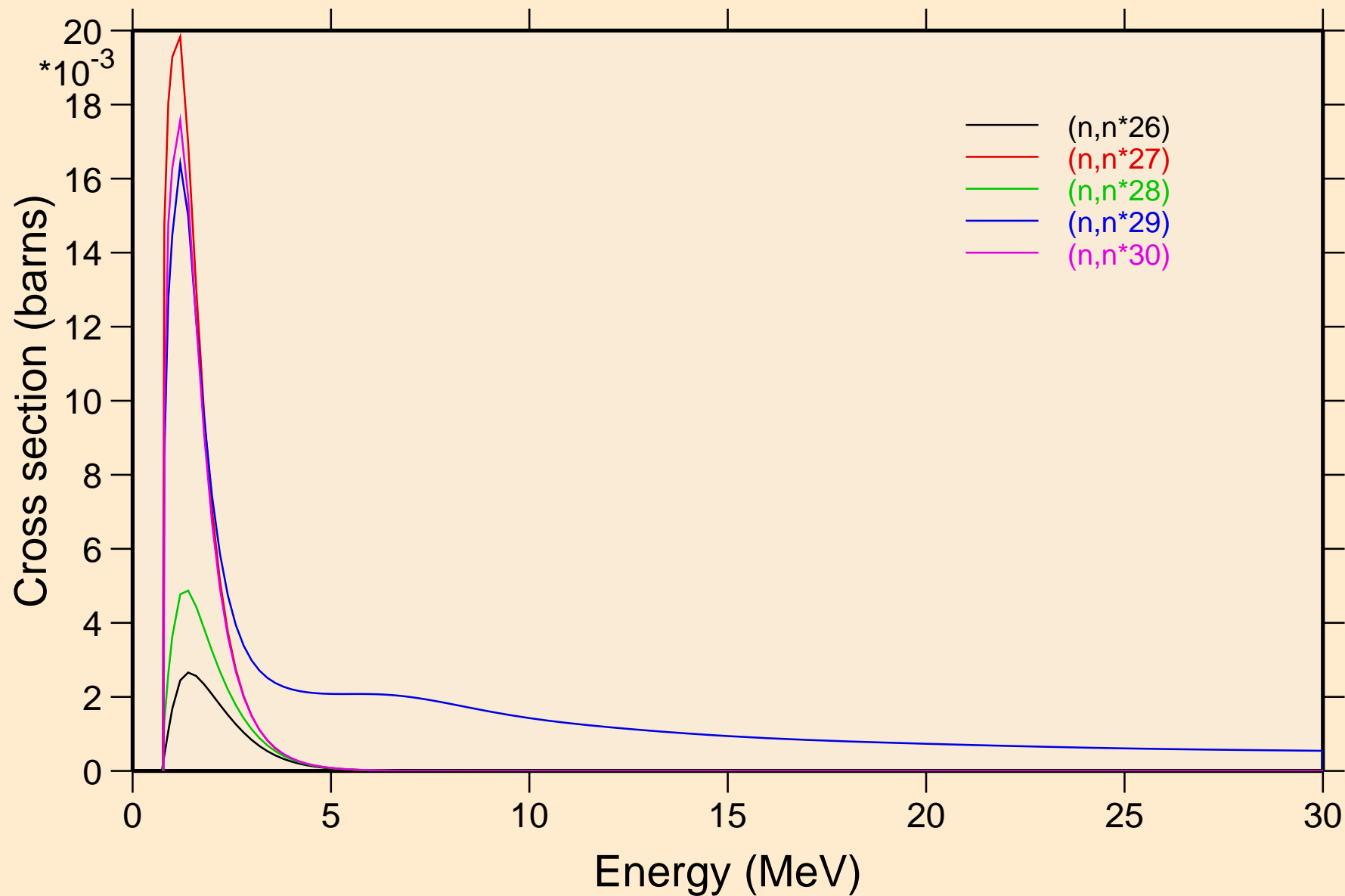


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

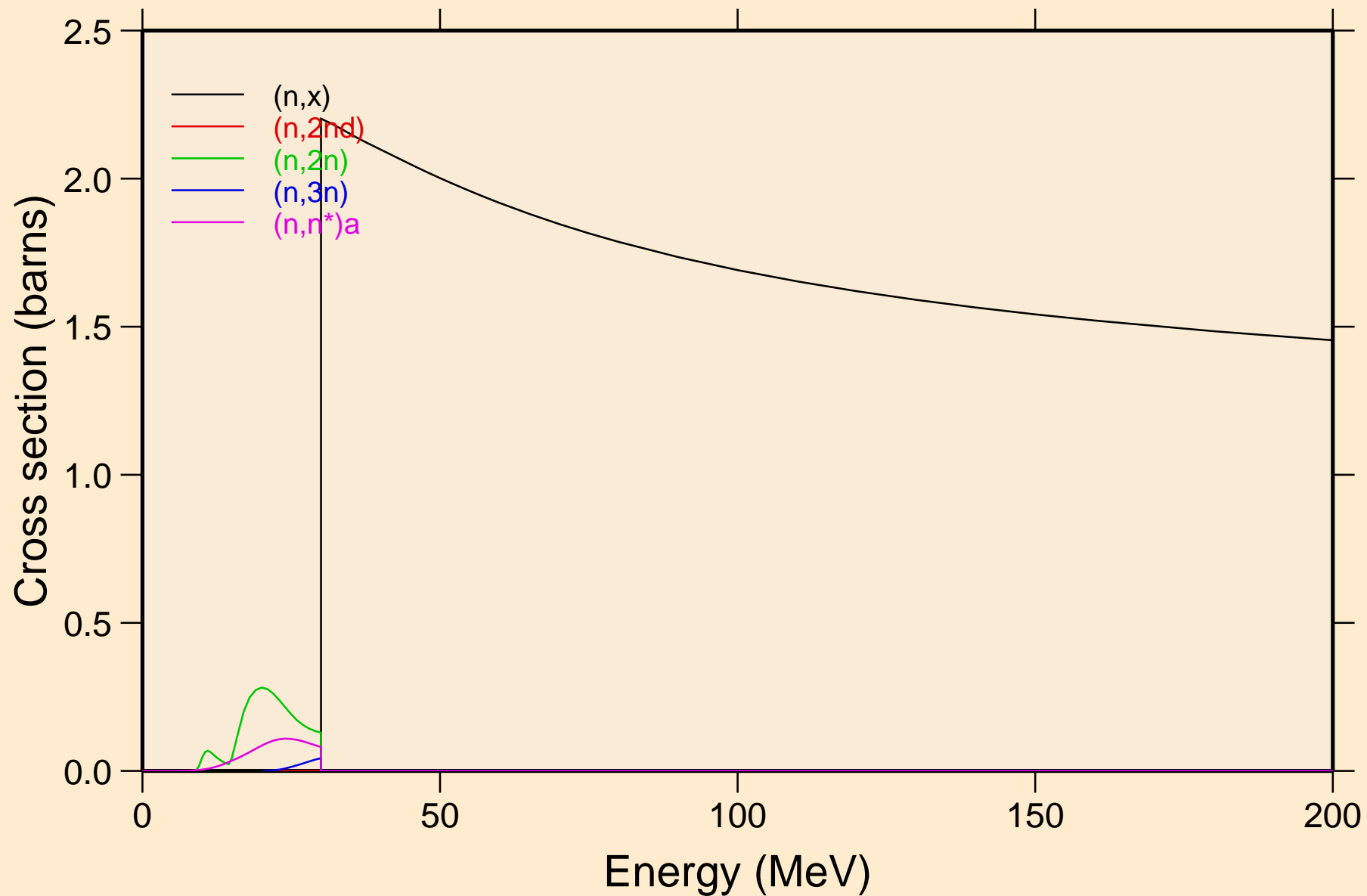




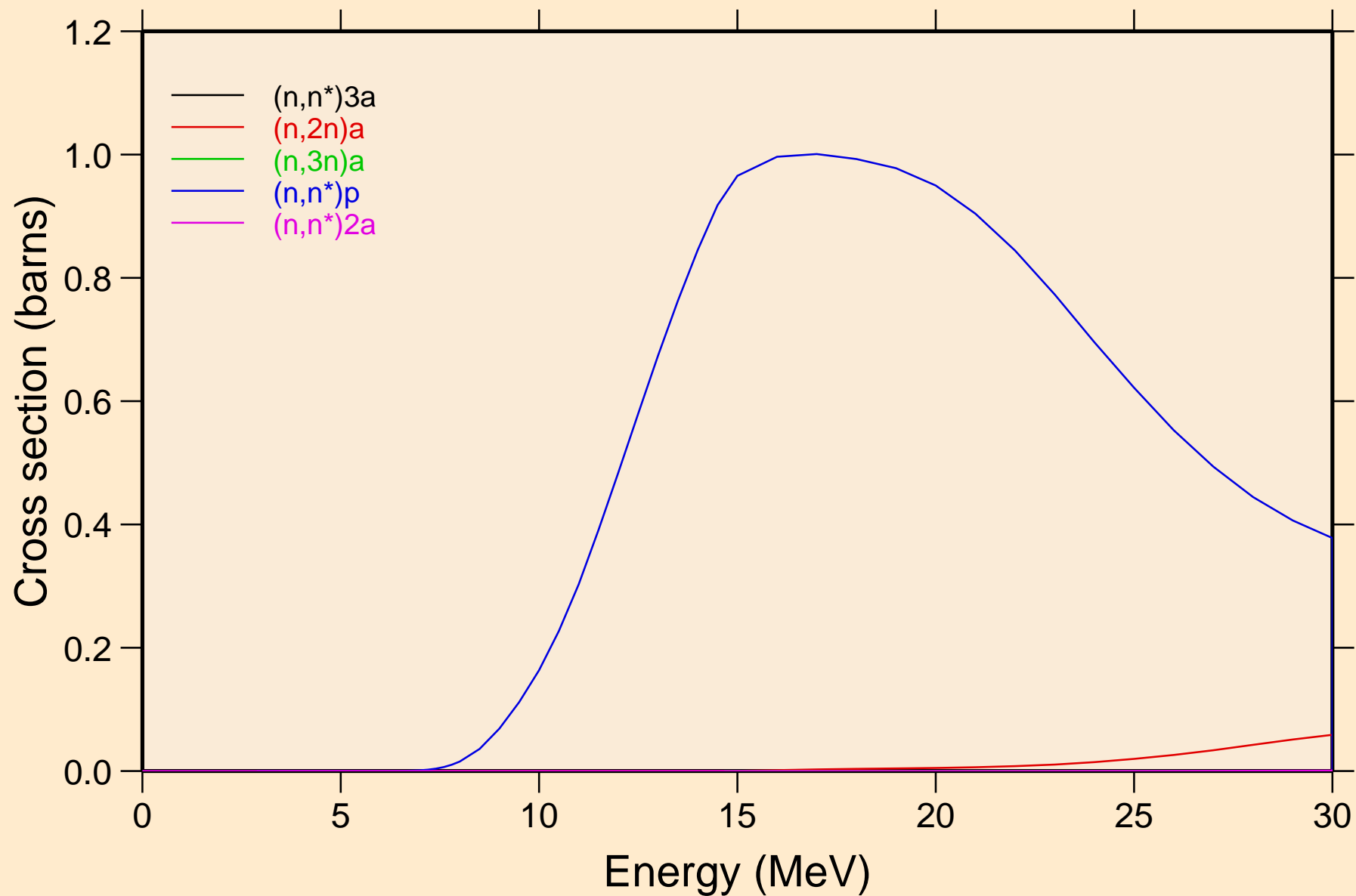
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



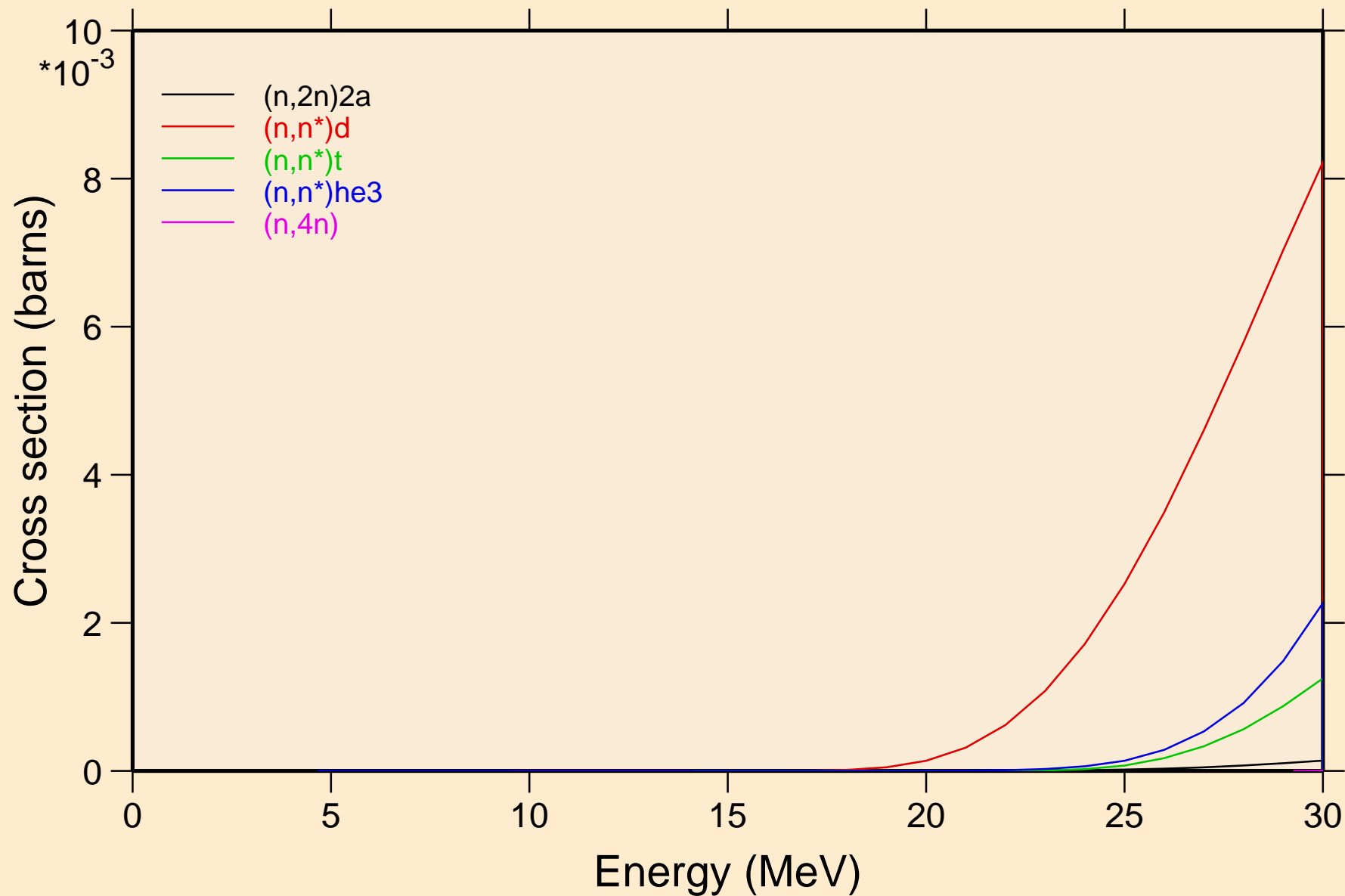
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



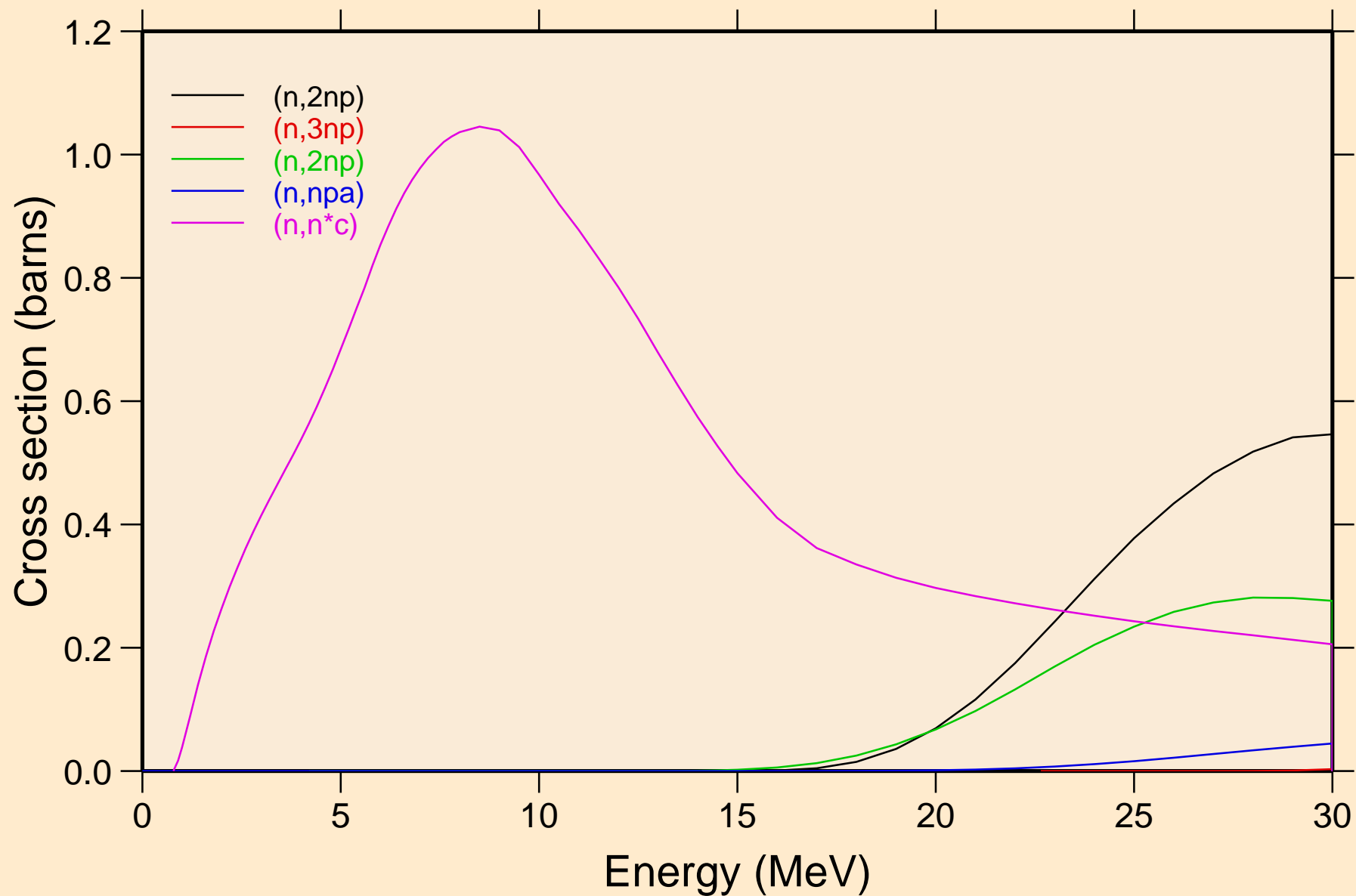
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



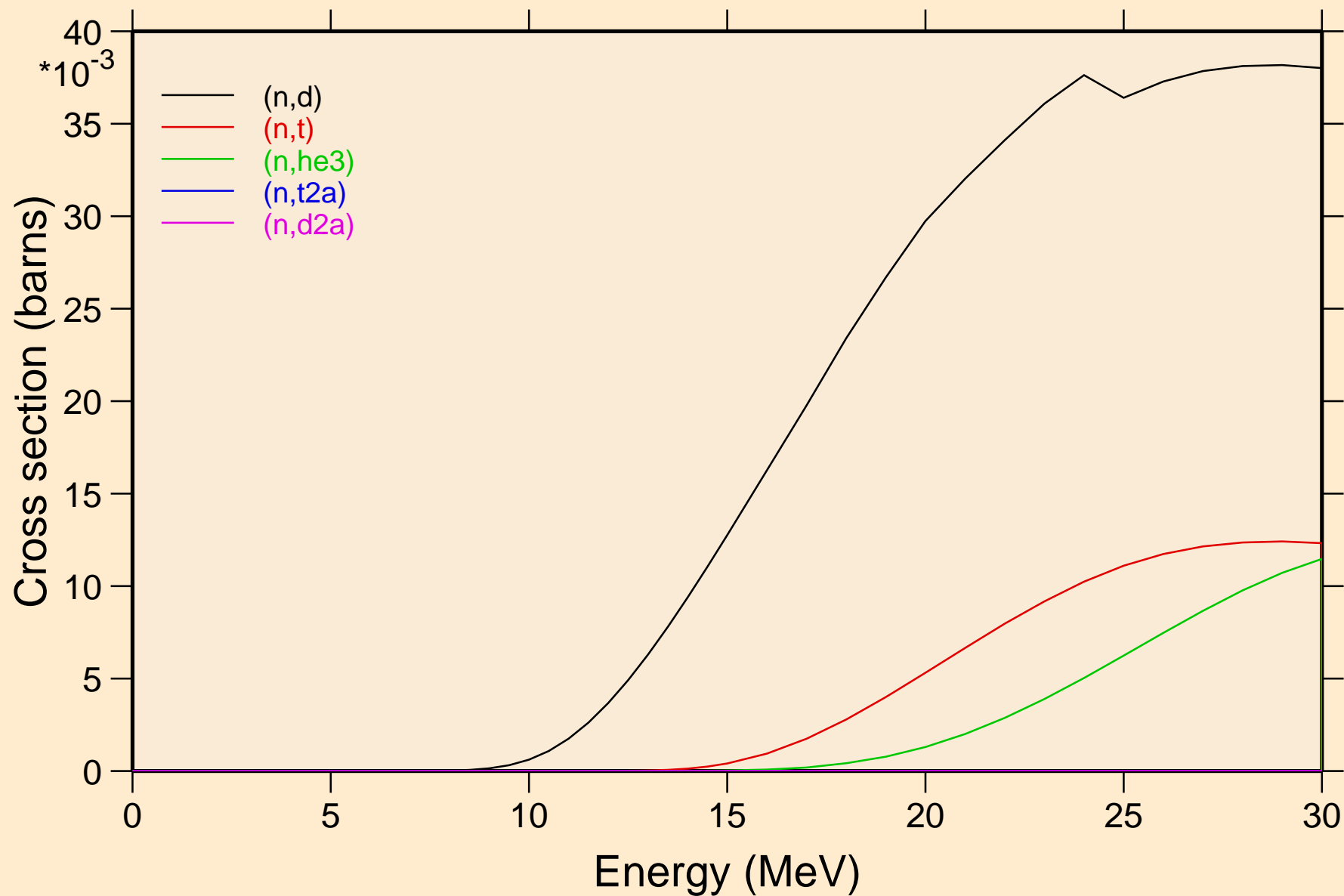
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



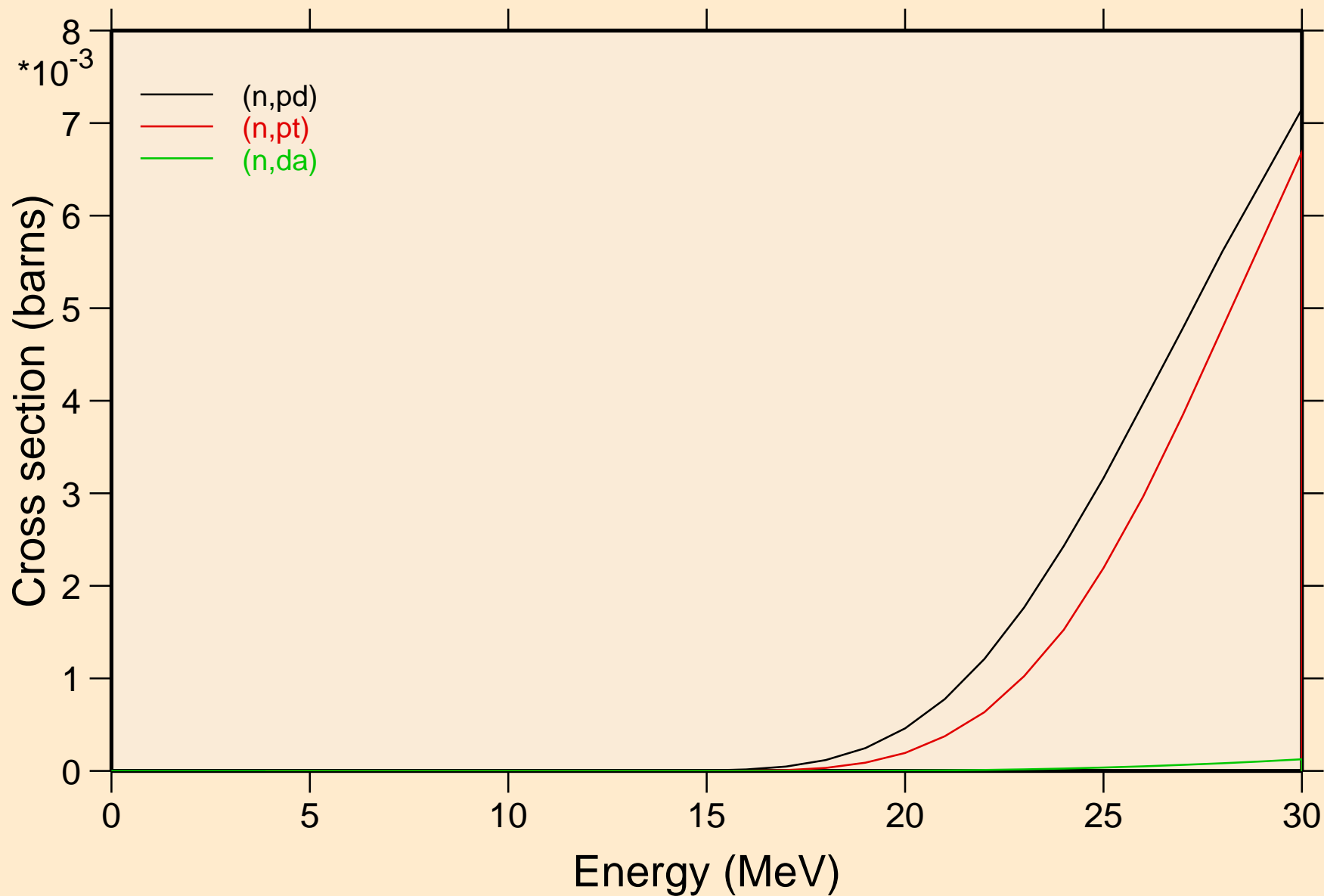
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Threshold reactions



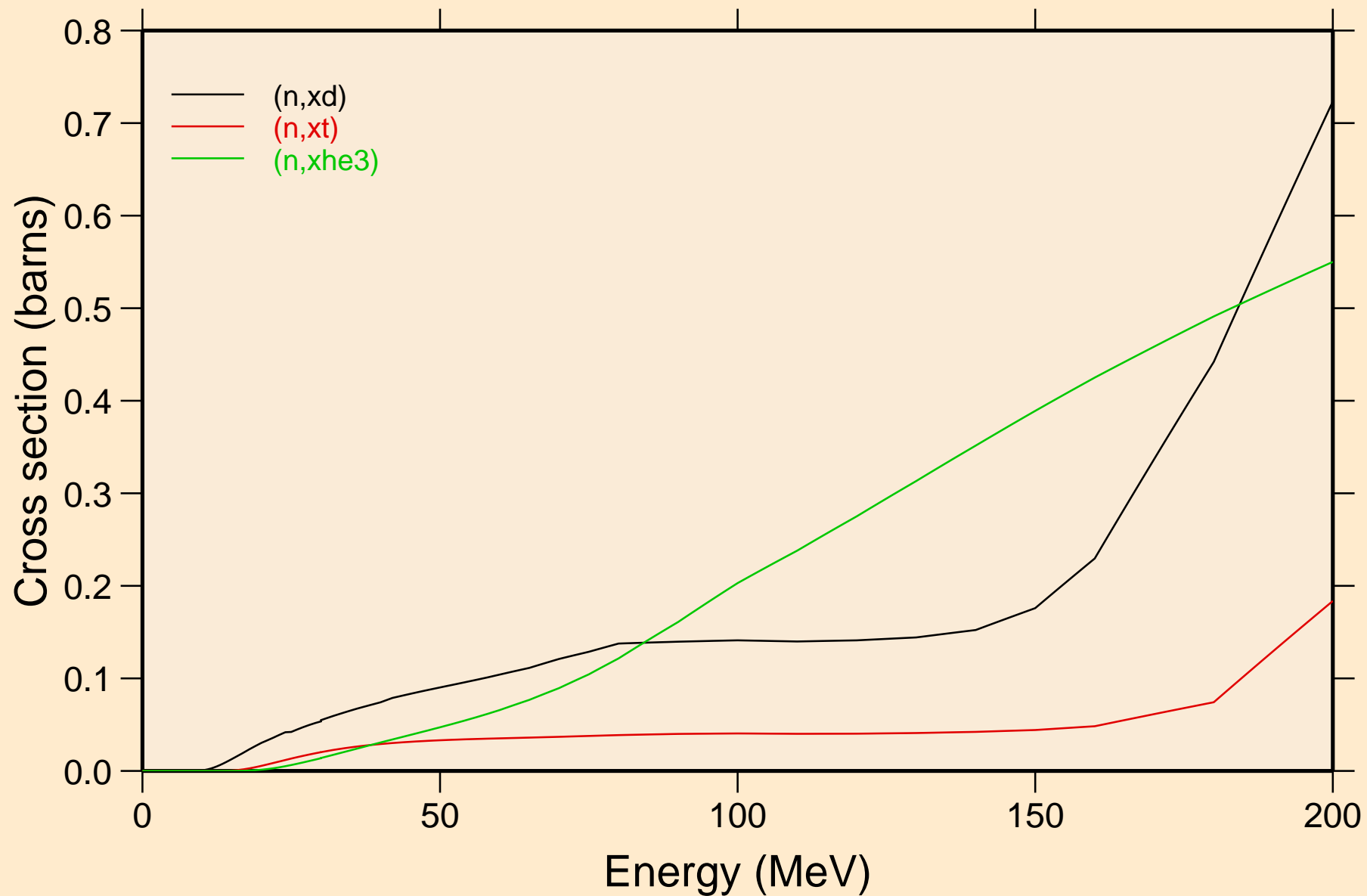
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Threshold reactions



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

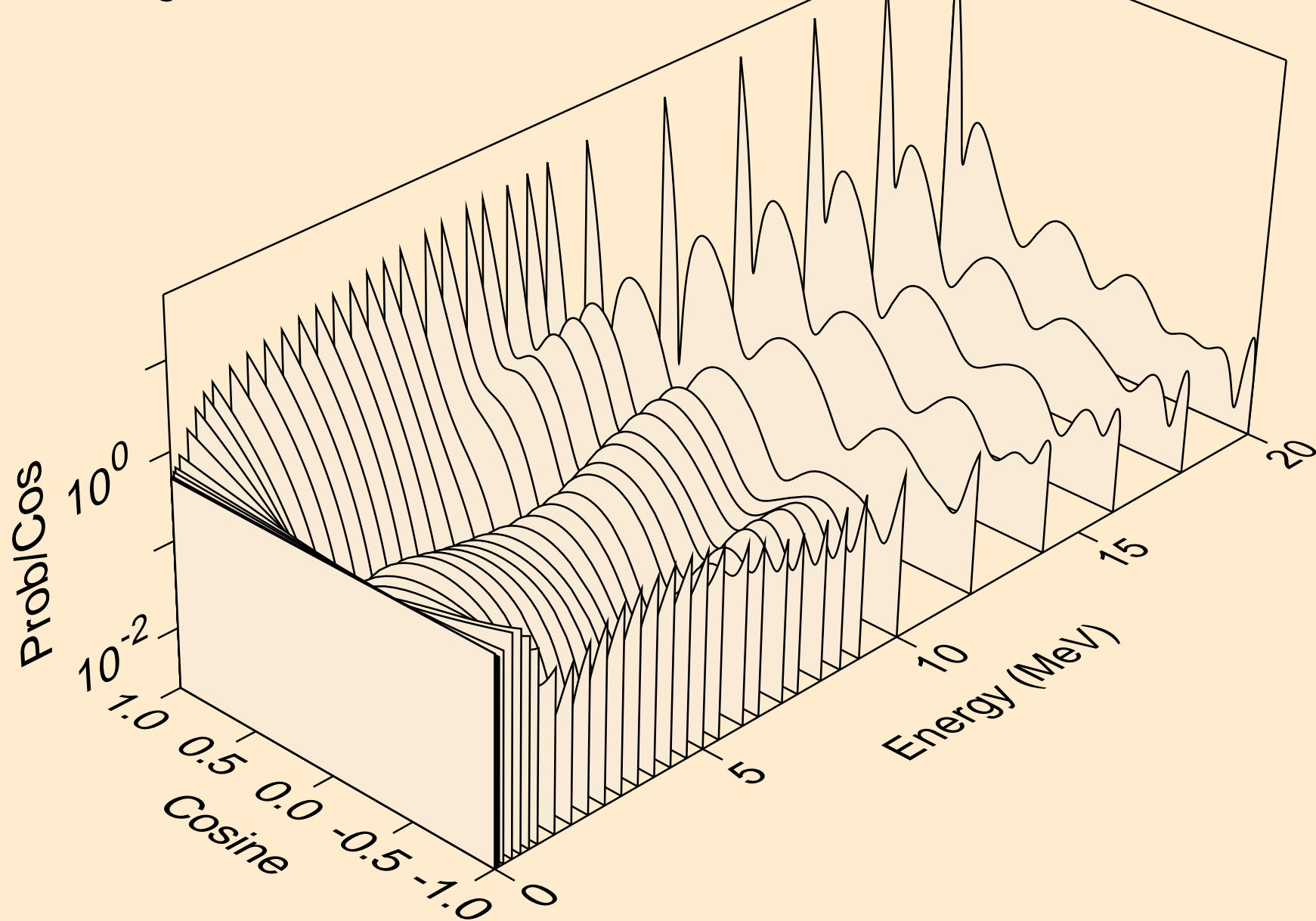


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

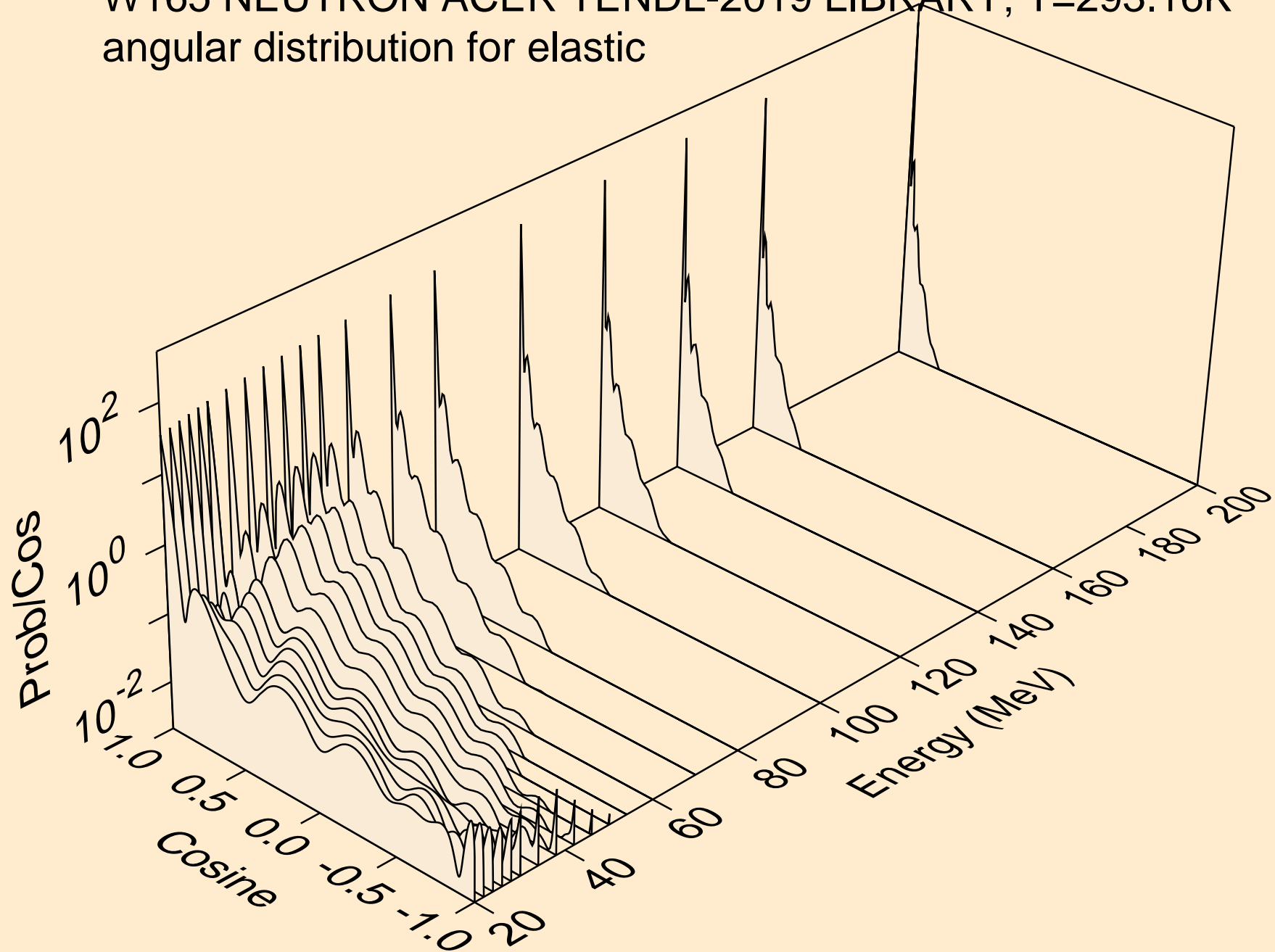




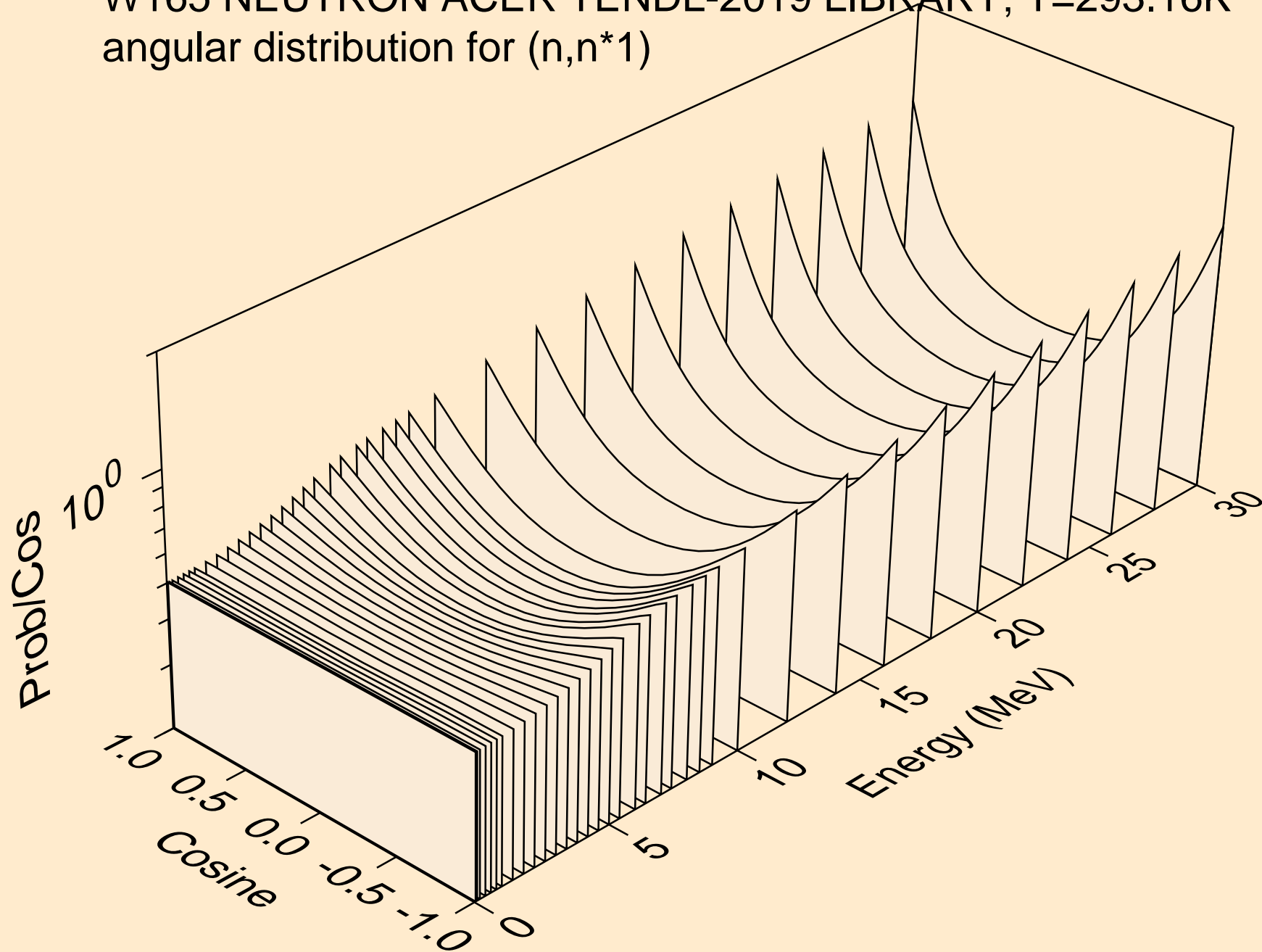
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



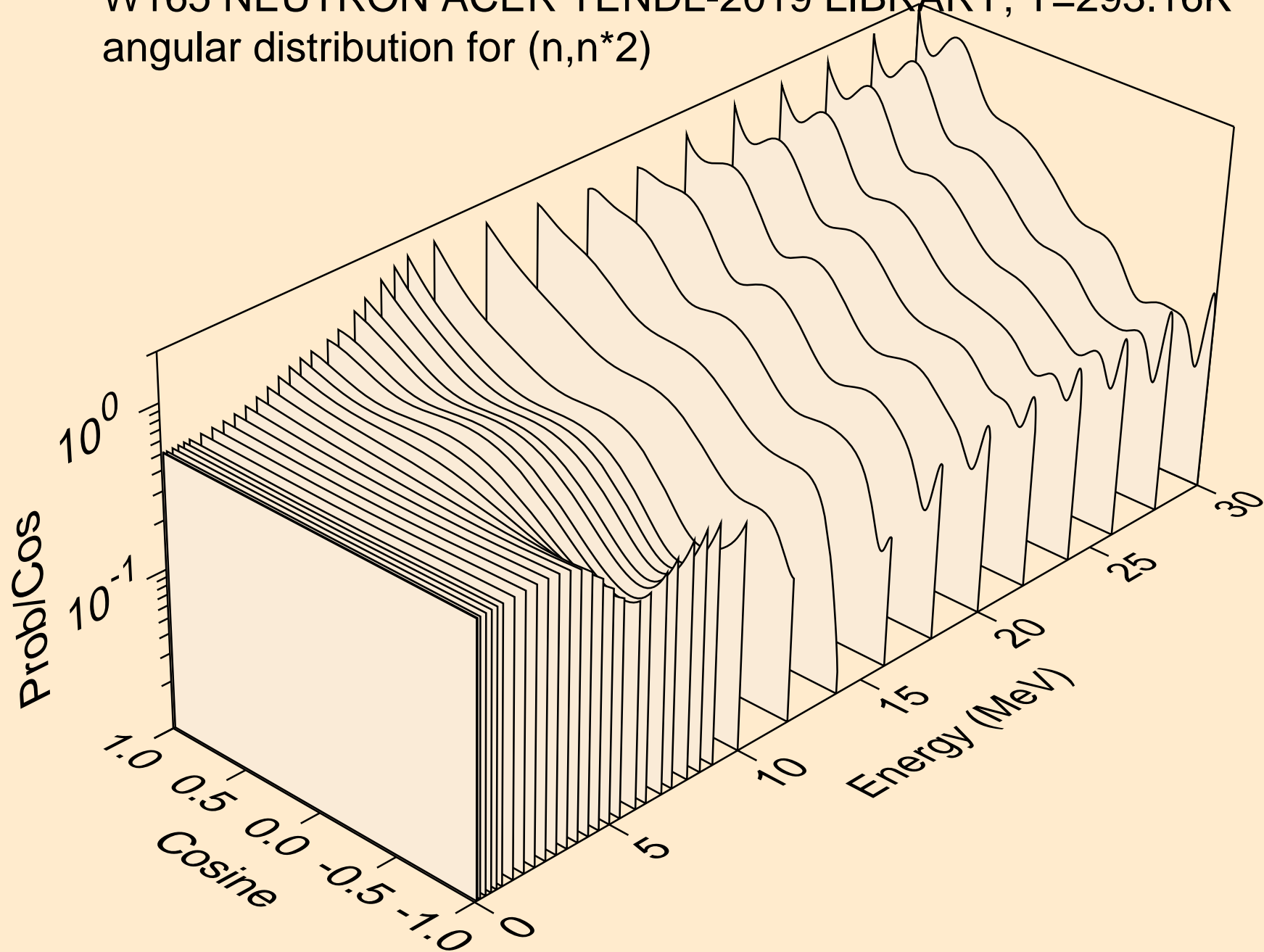
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angular distribution for elastic



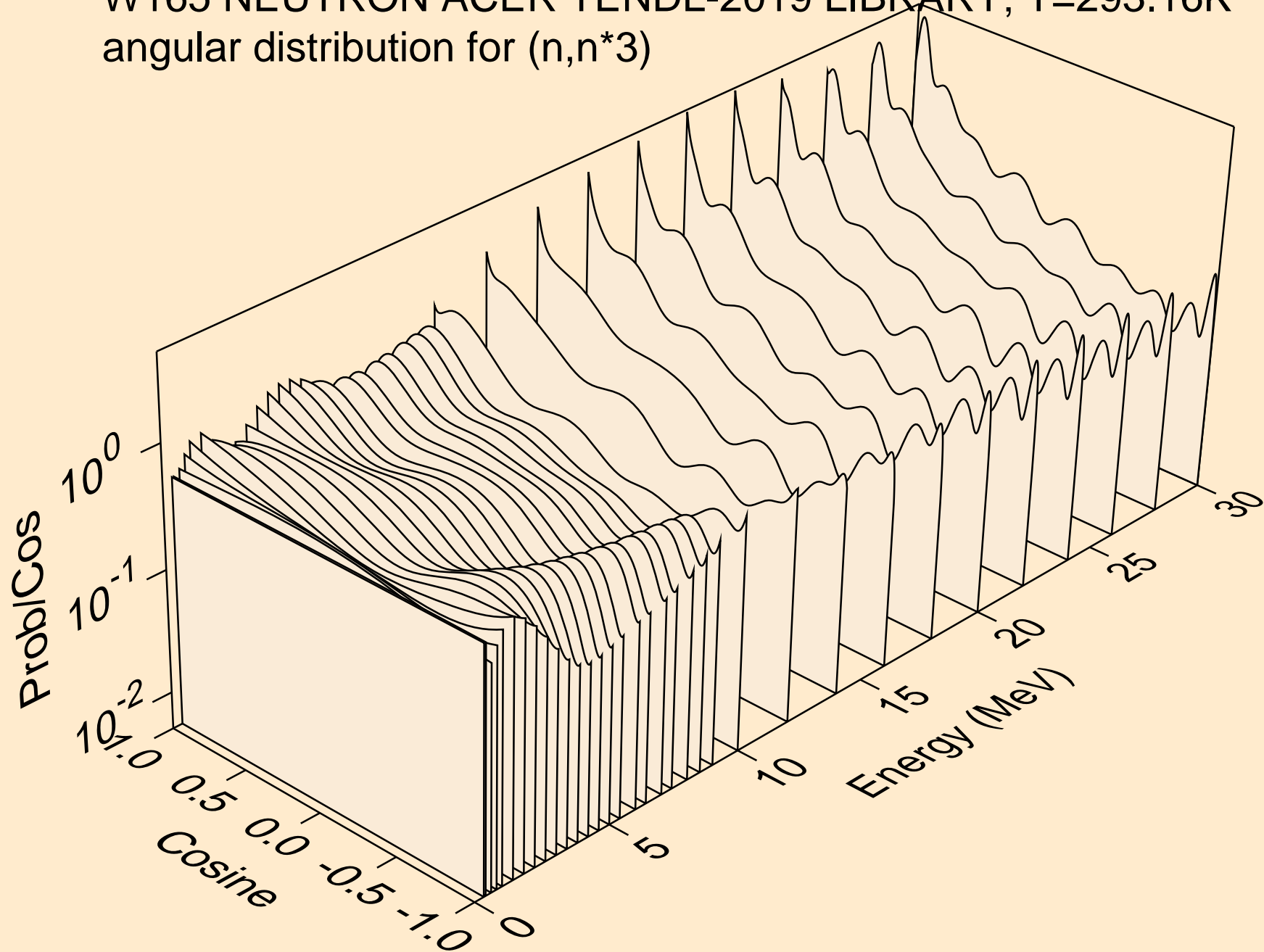
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



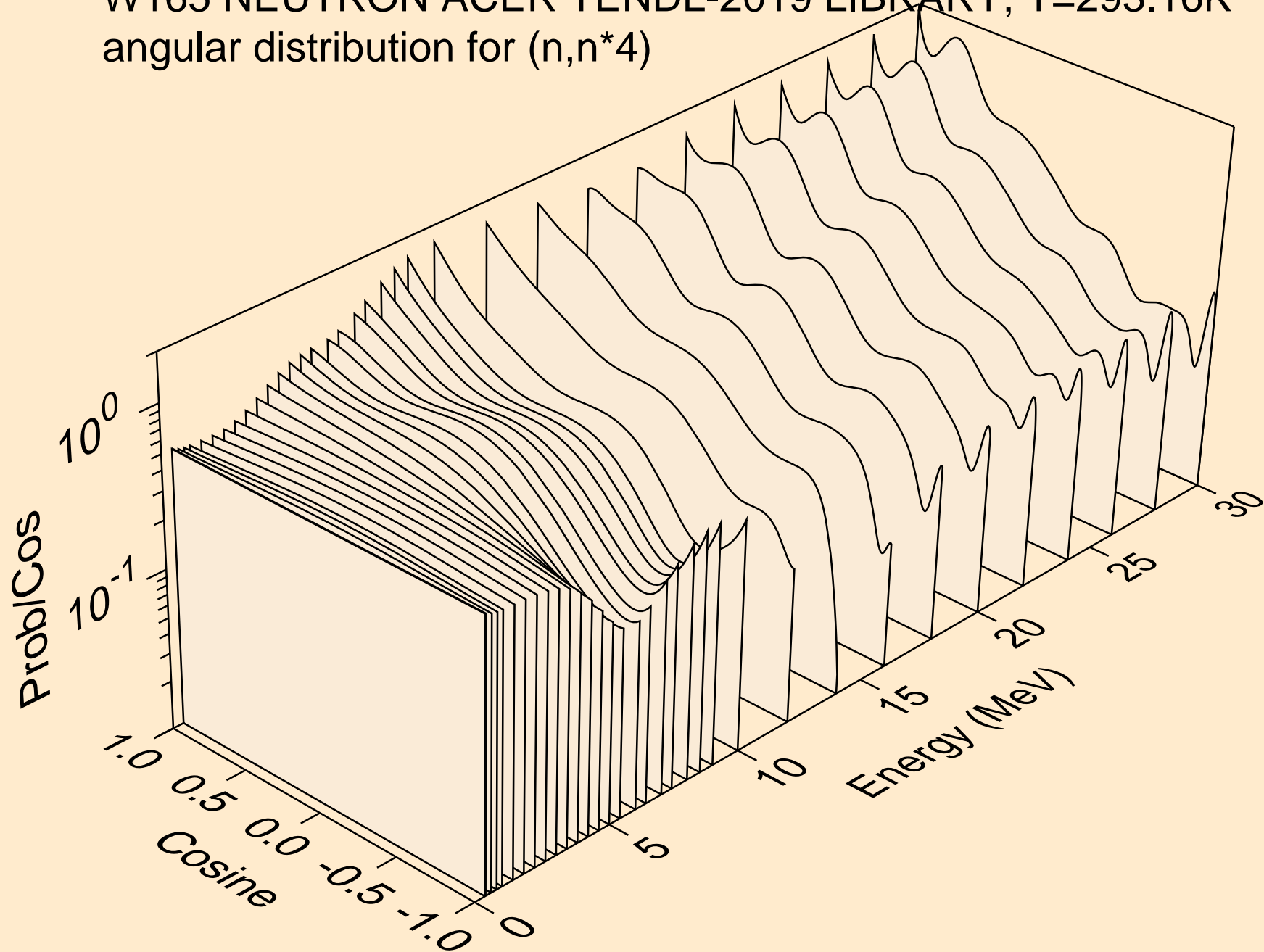
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angular distribution for (n,n\*2)



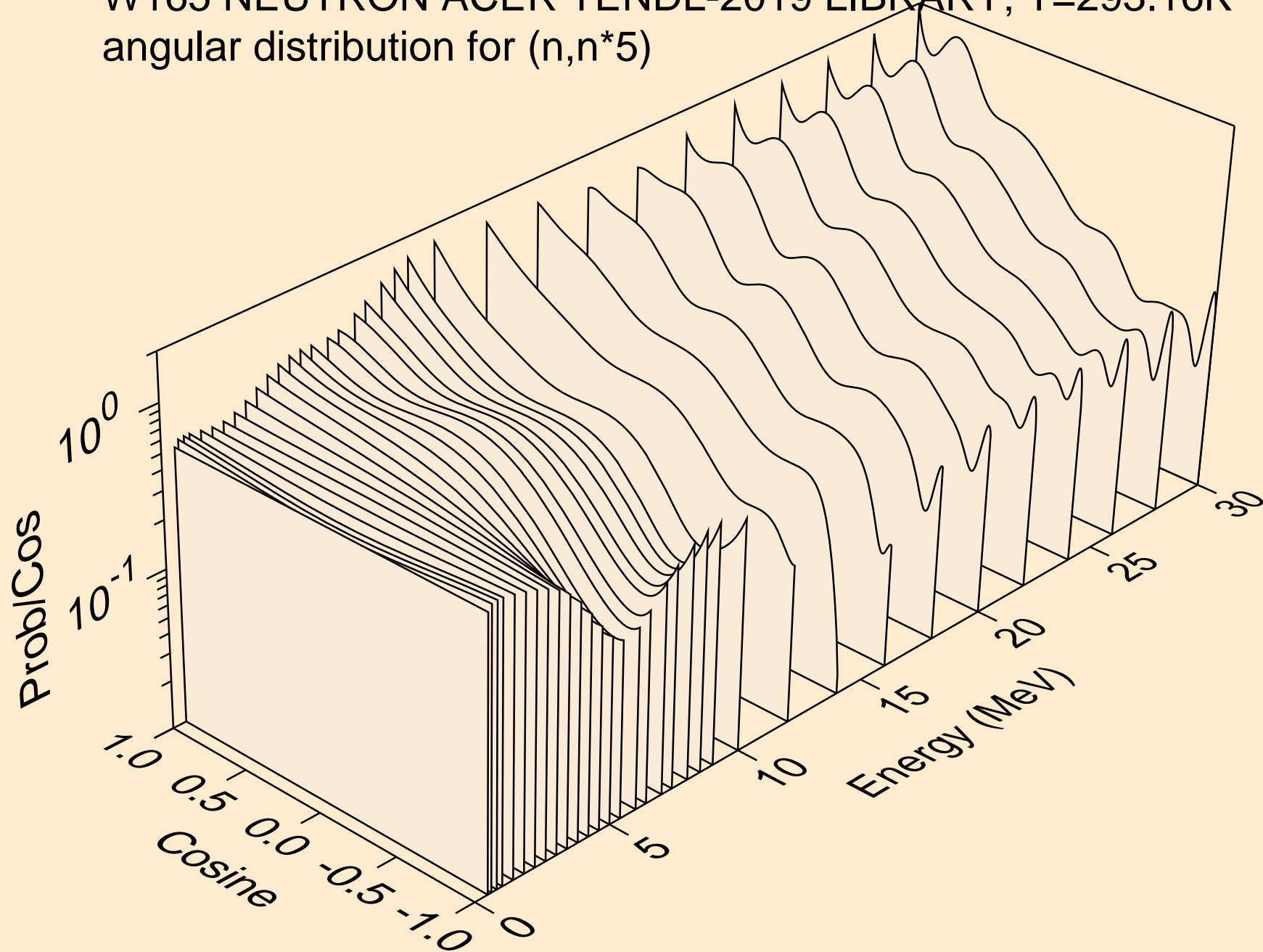
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angular distribution for (n,n\*3)



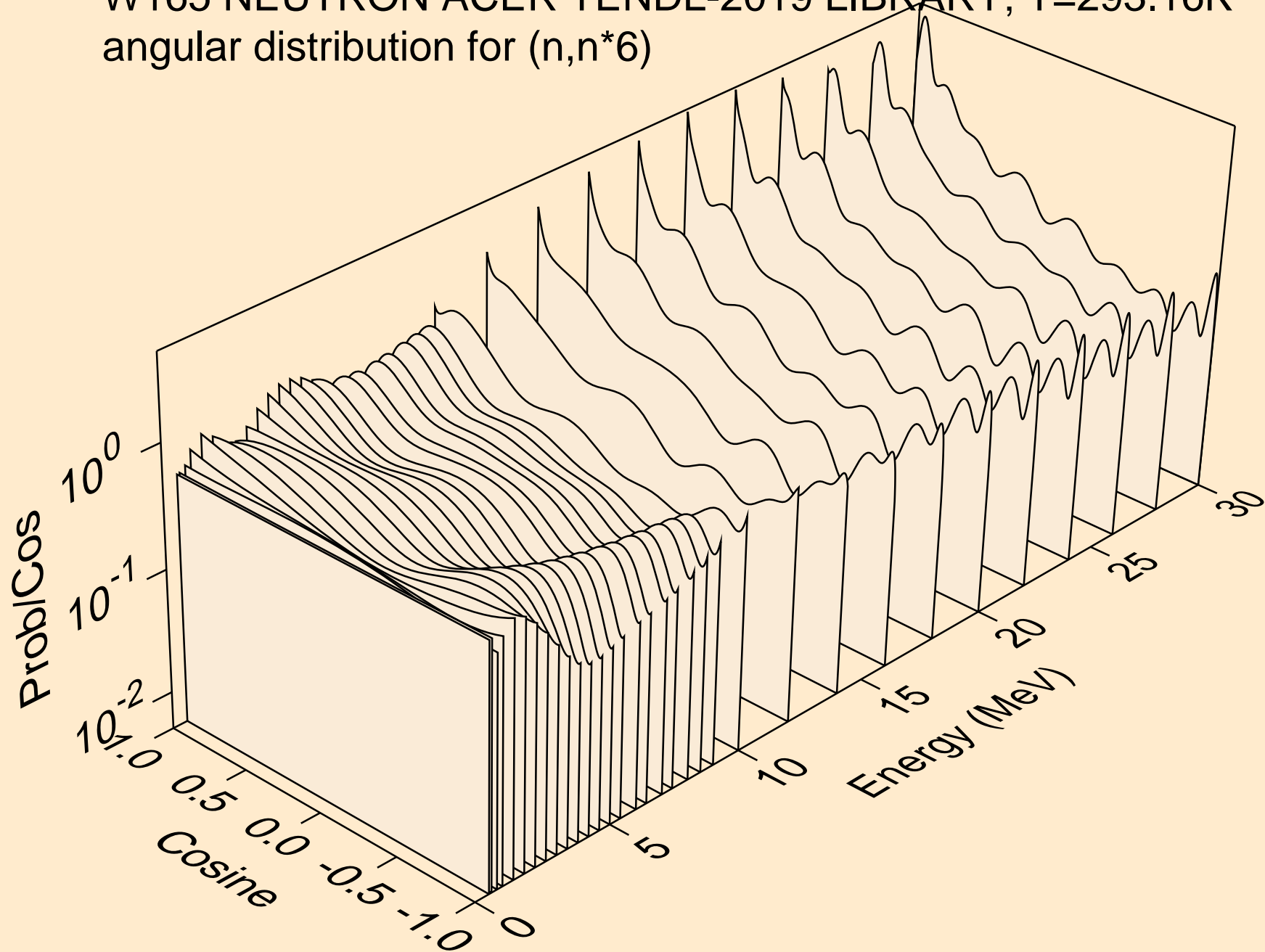
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

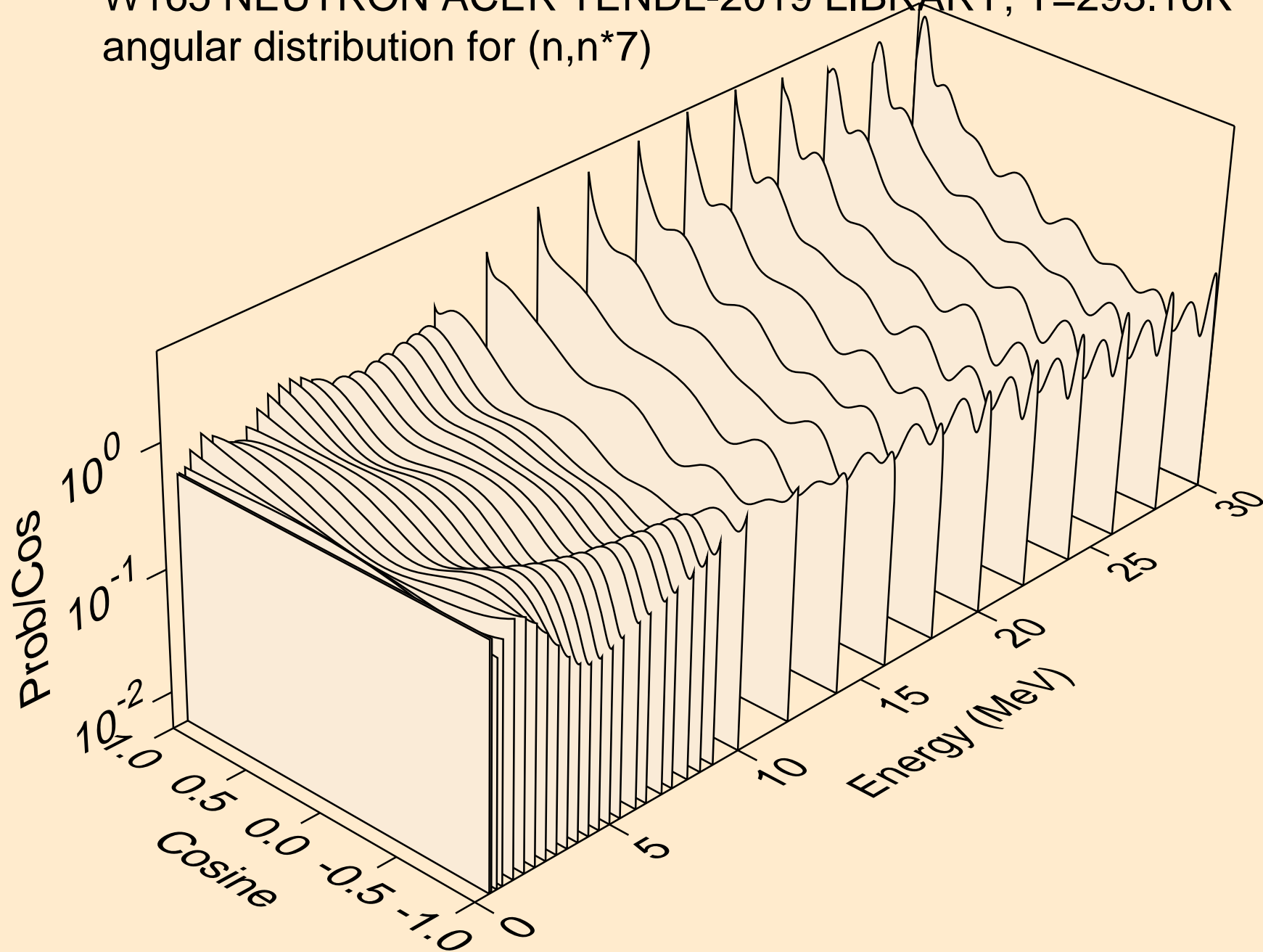


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

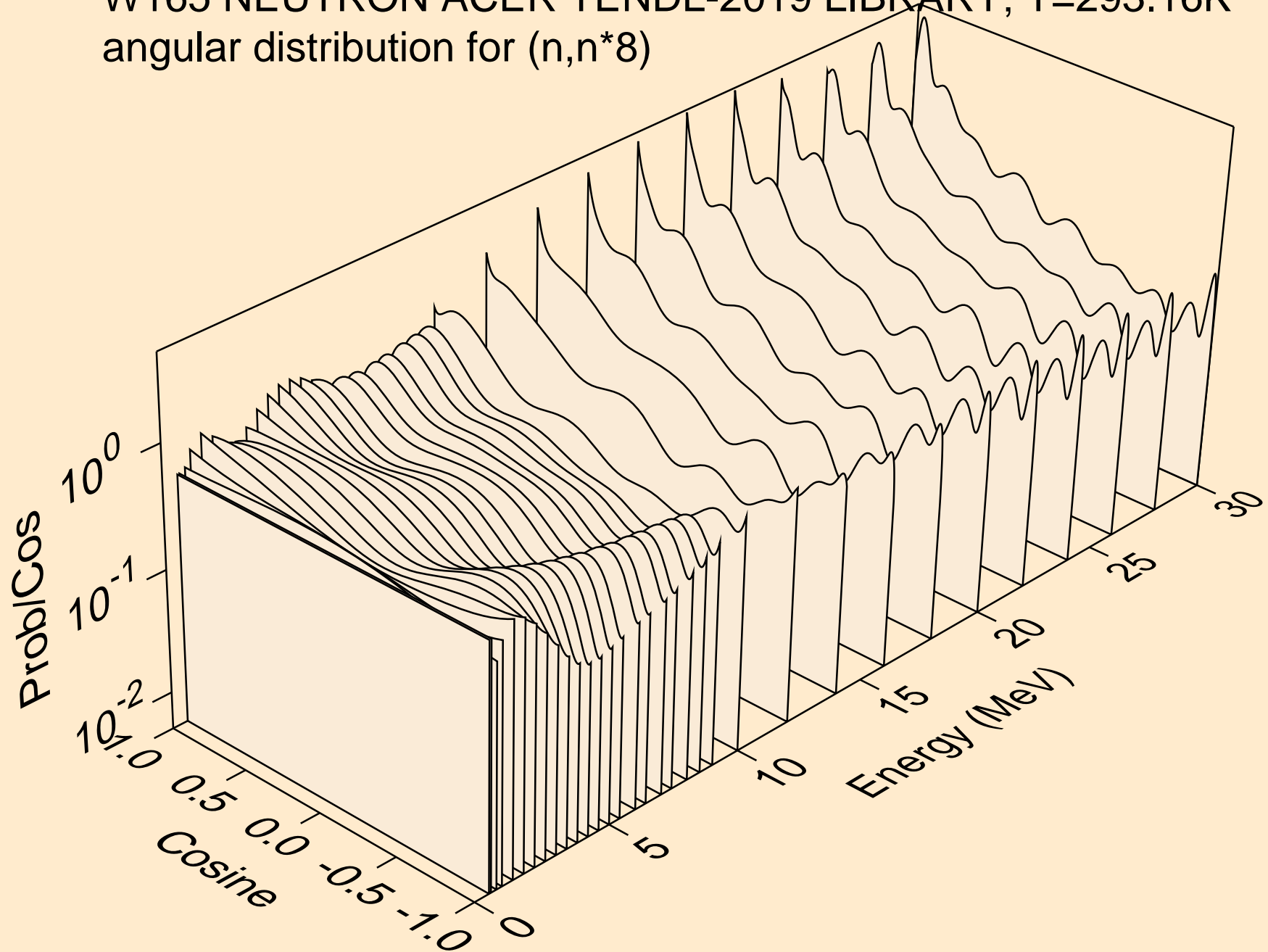




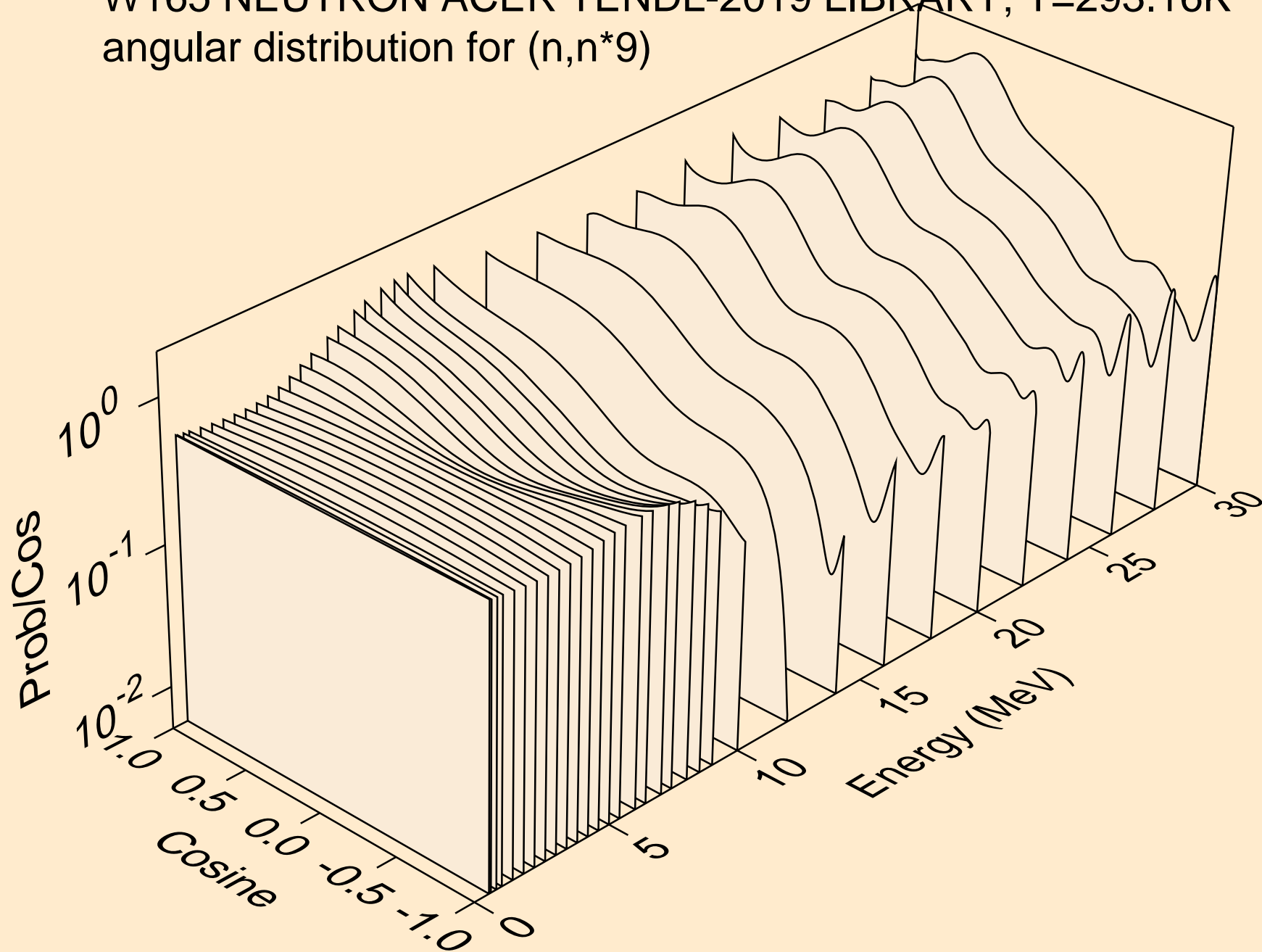
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angular distribution for (n,n\*7)



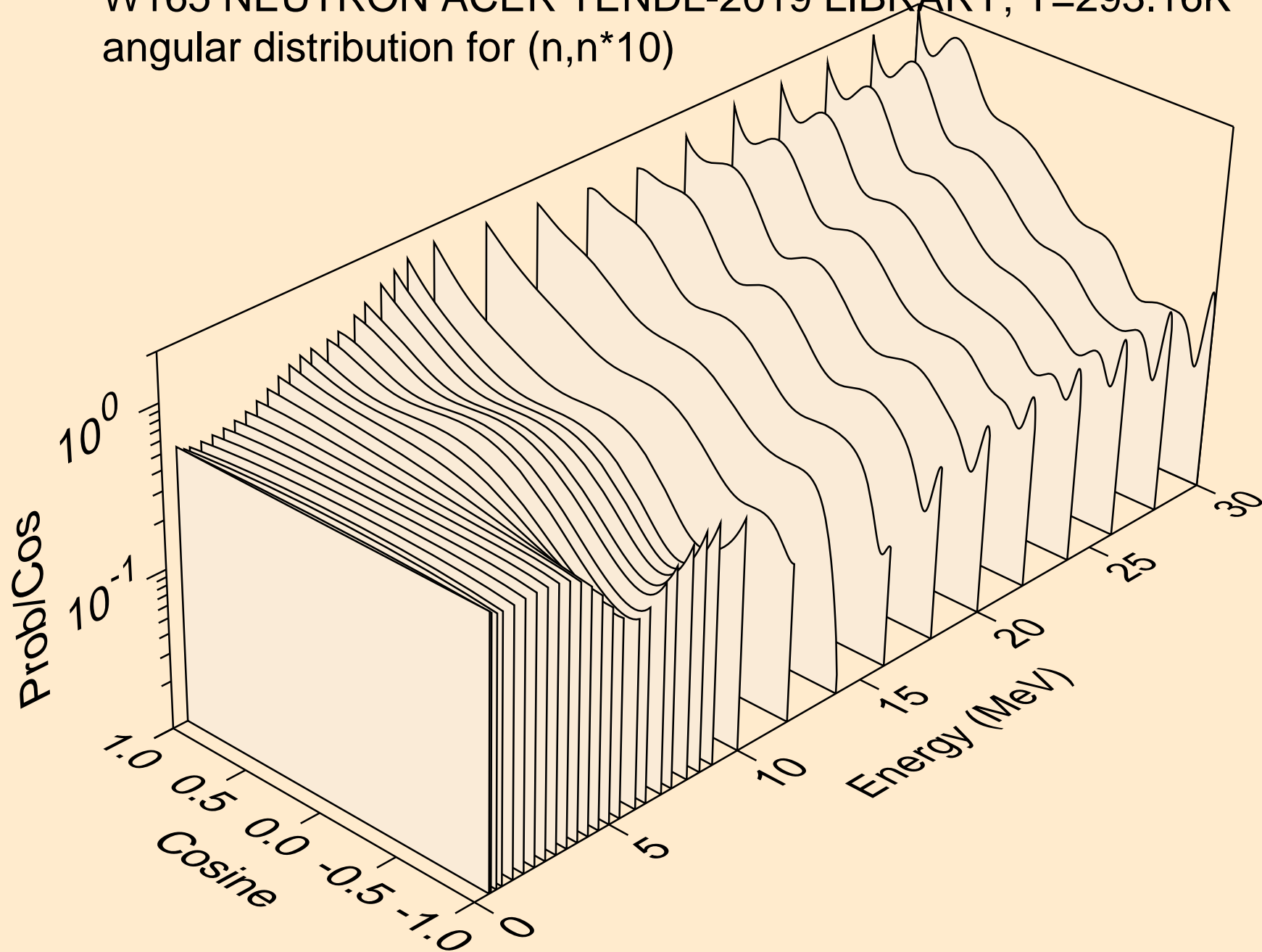
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angular distribution for (n,n\*8)



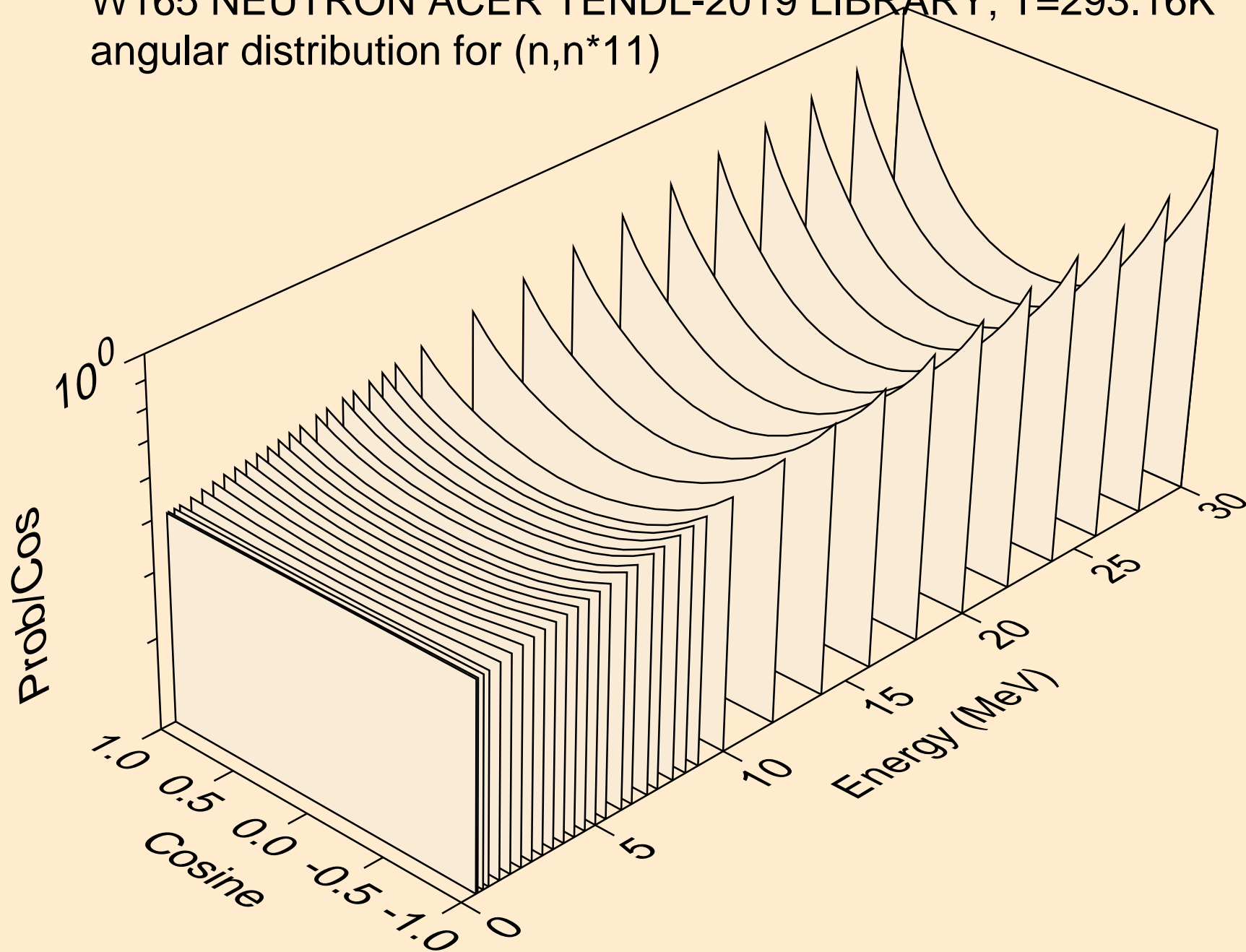
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



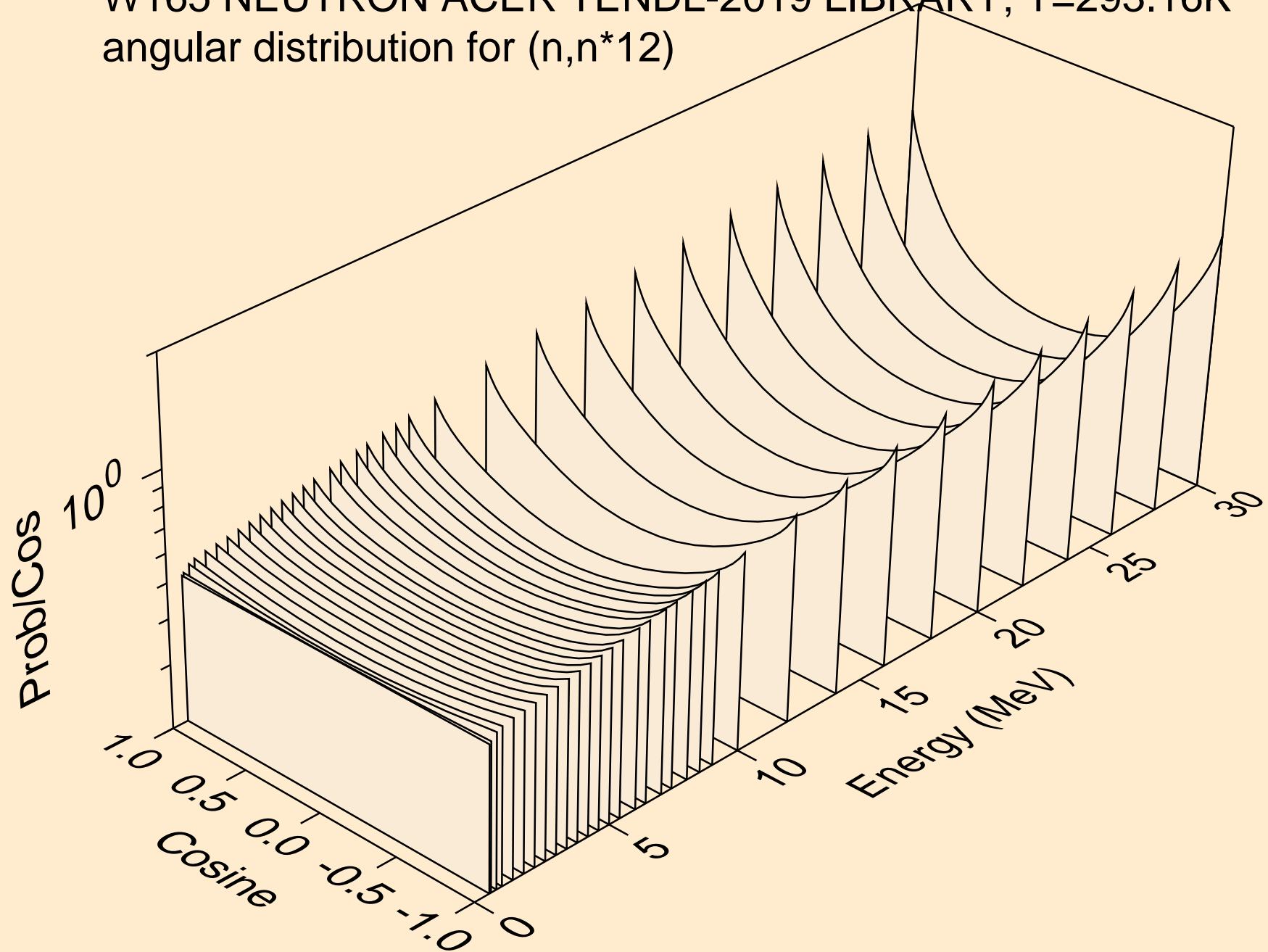
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



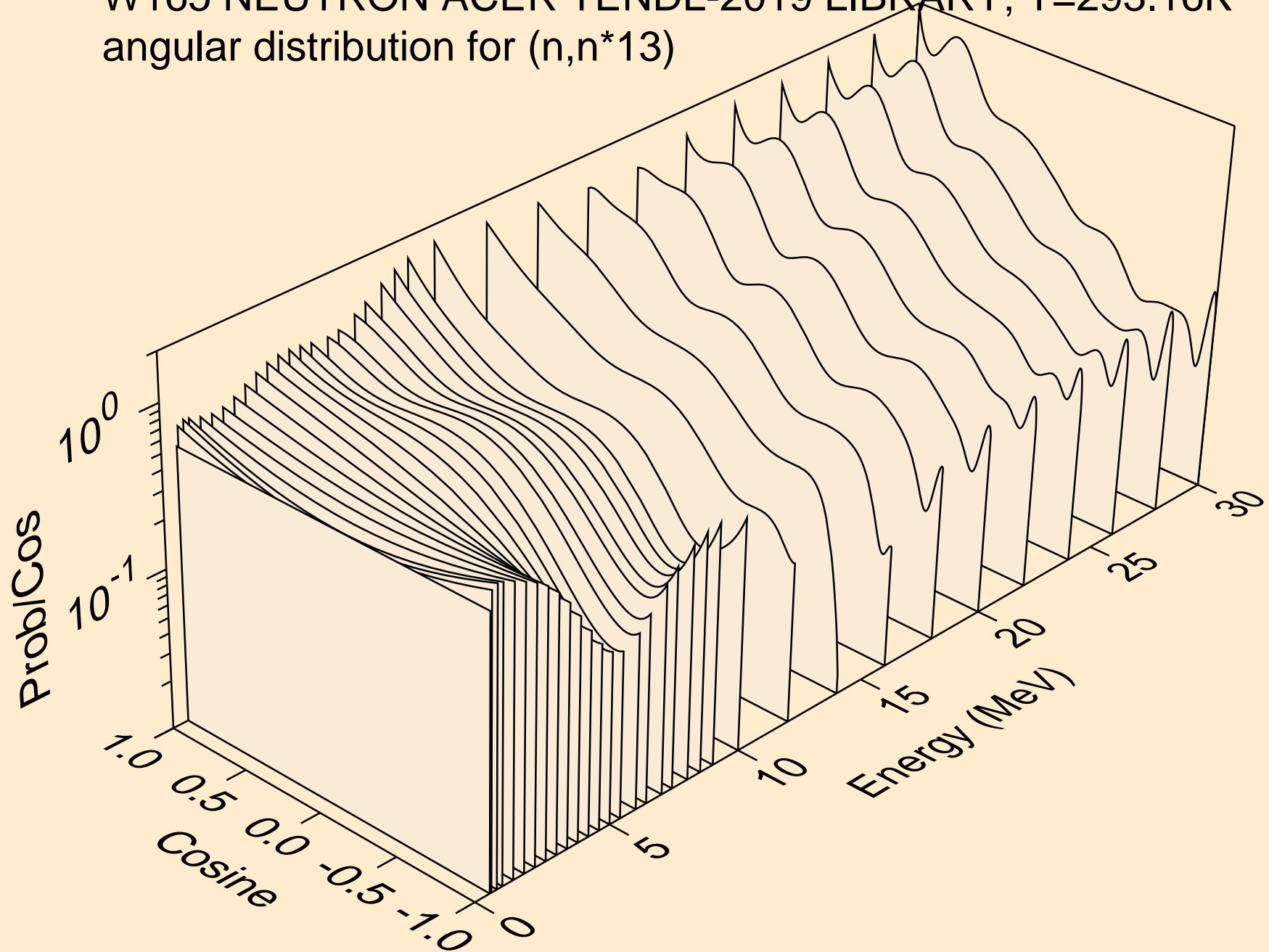
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angular distribution for (n,n\*11)



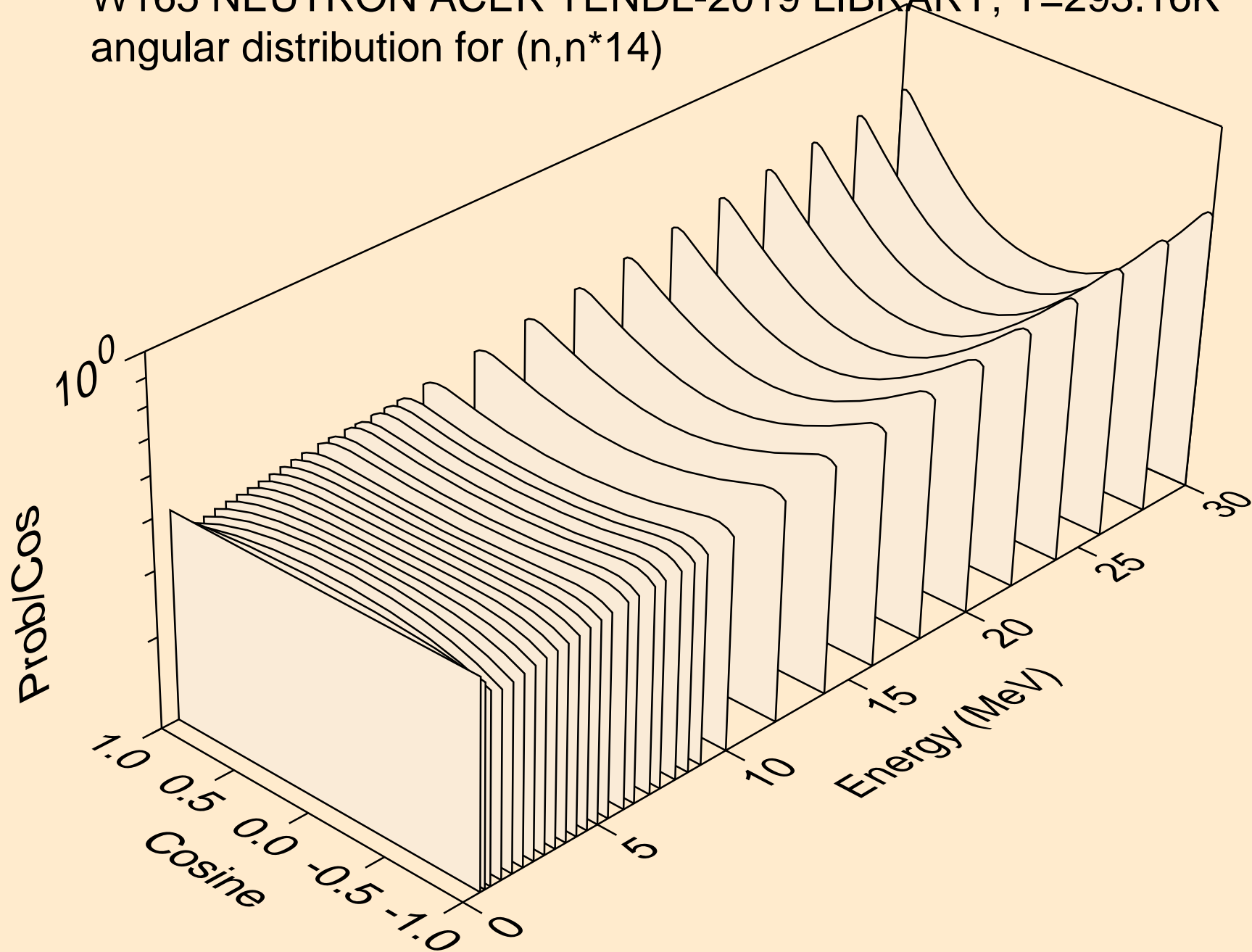
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

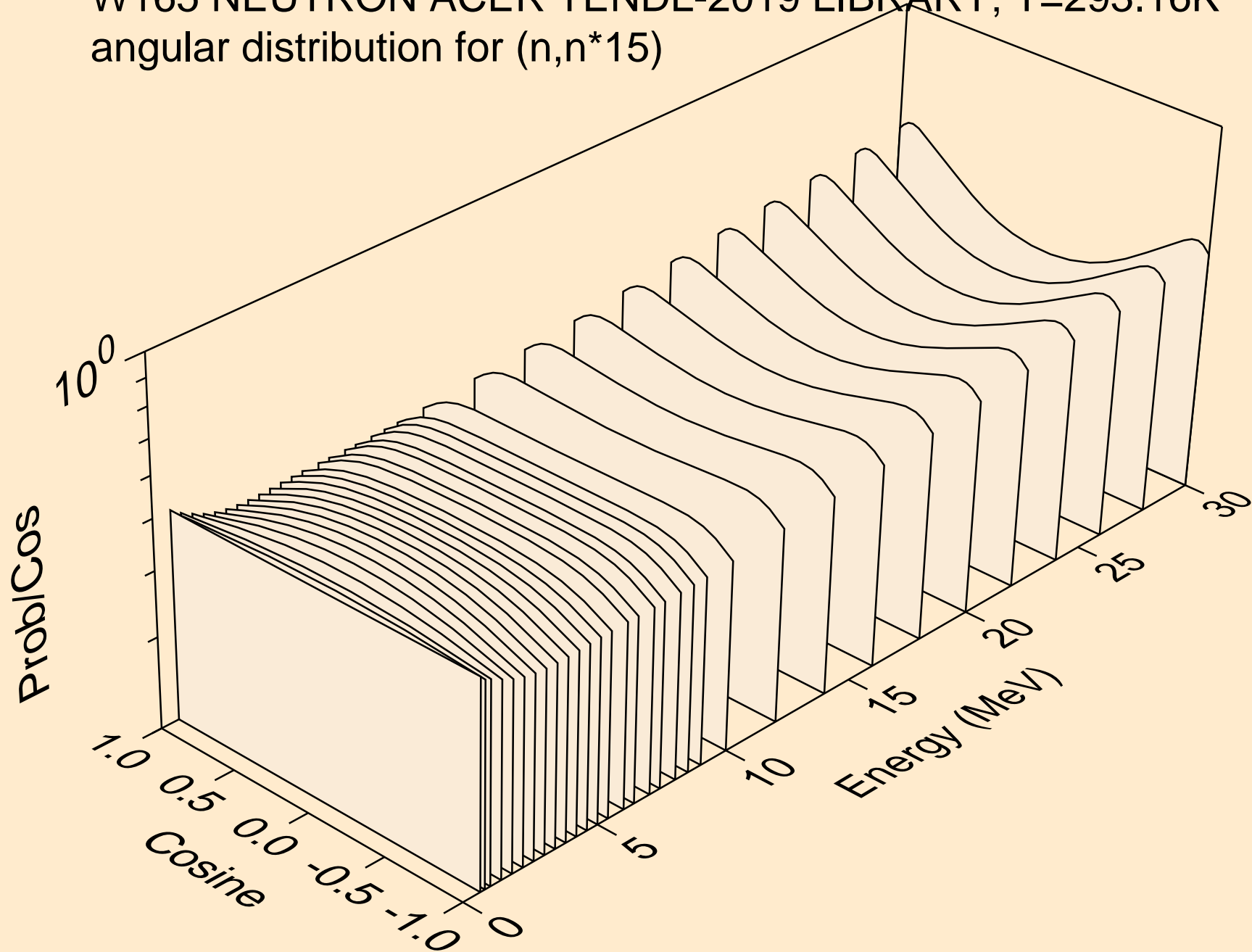


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)

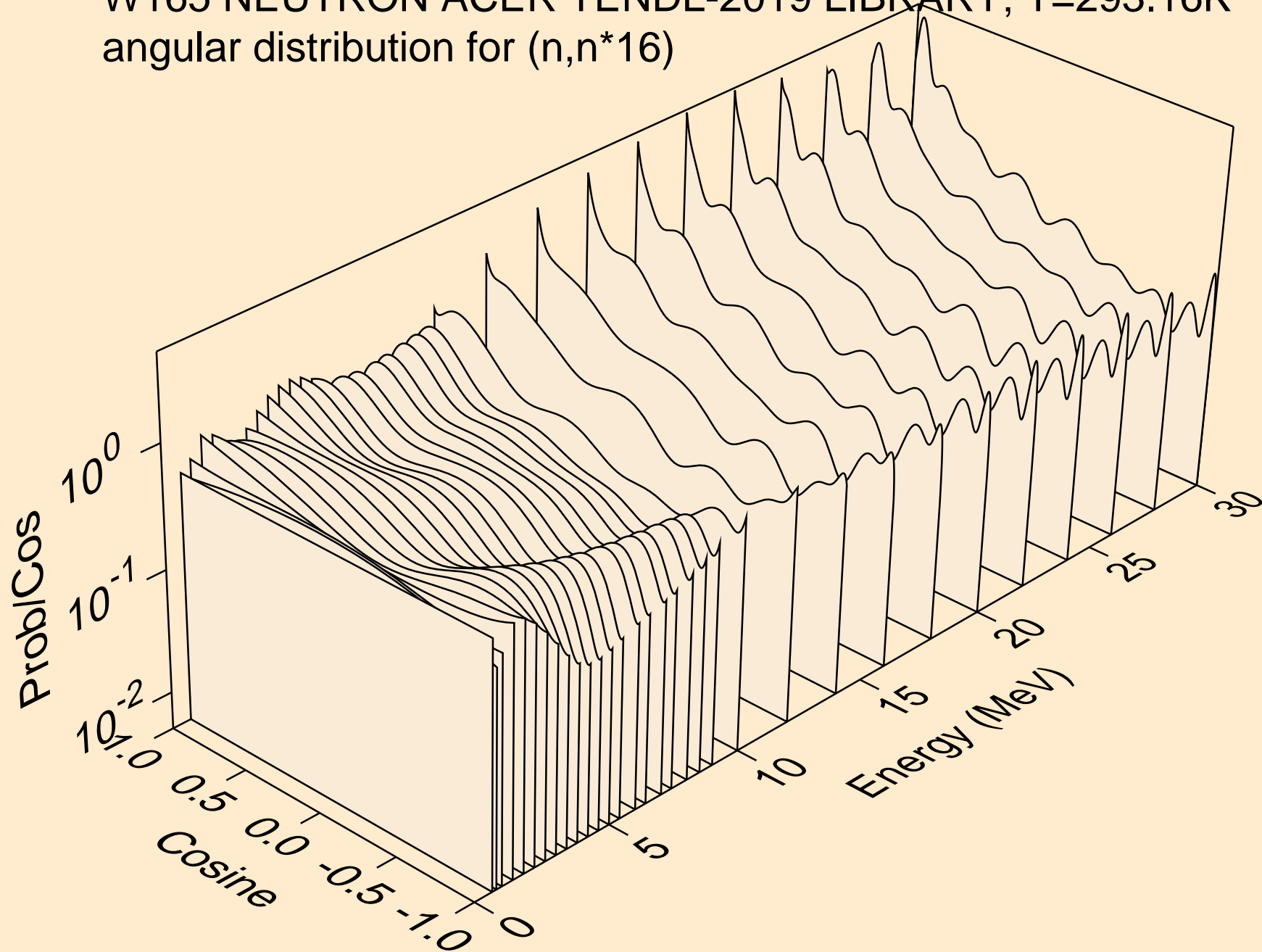




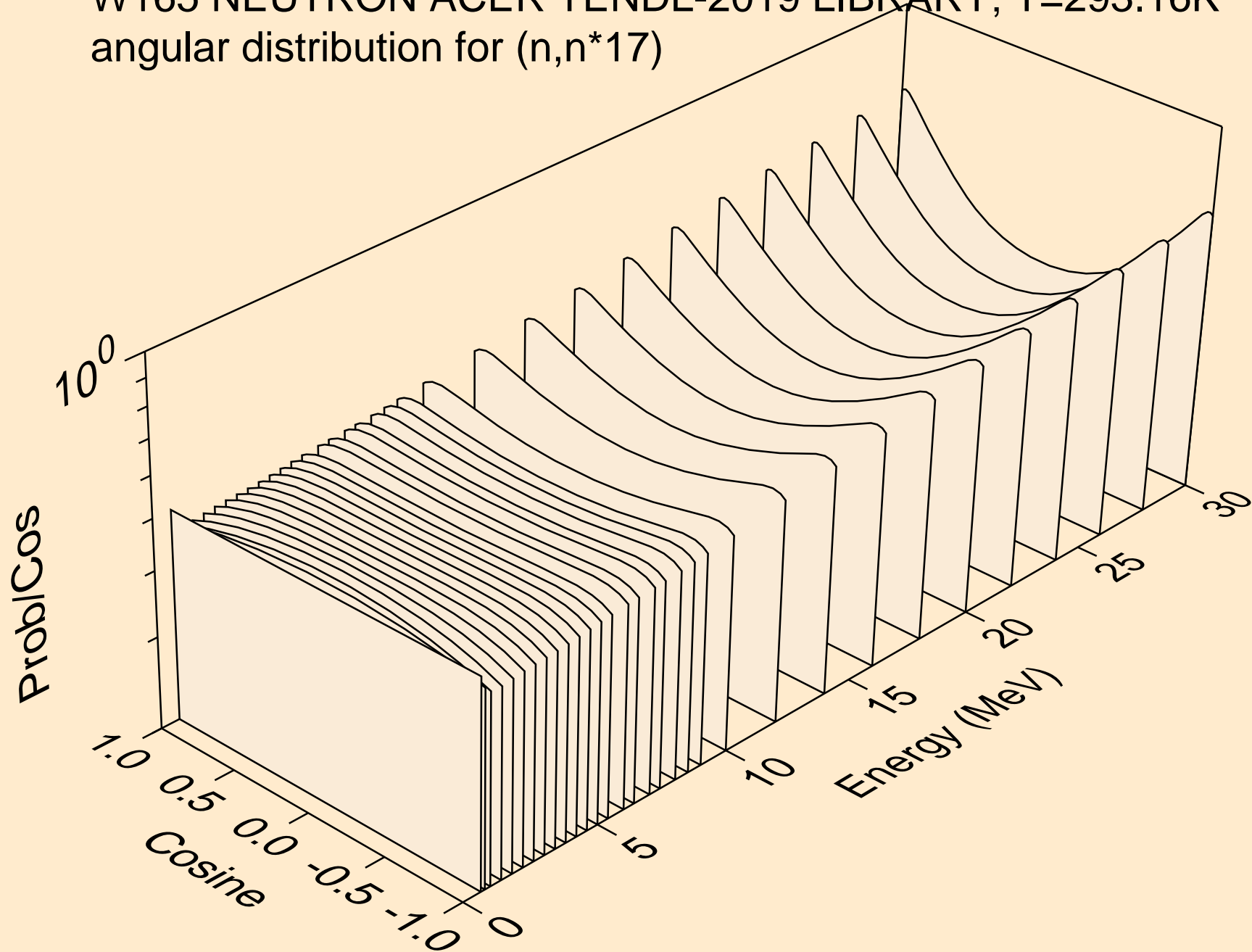
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angular distribution for (n,n\*15)



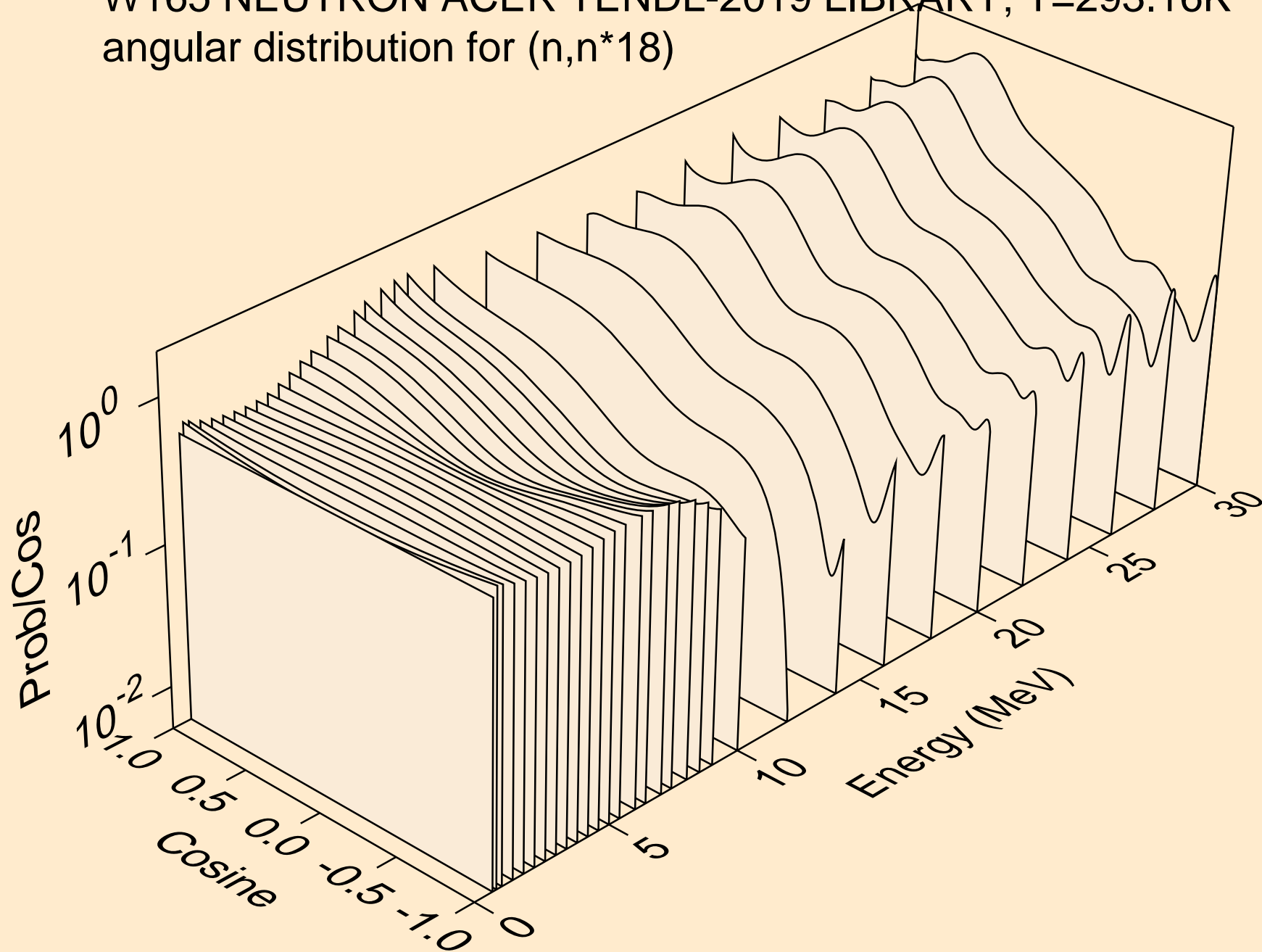
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angular distribution for (n,n\*16)



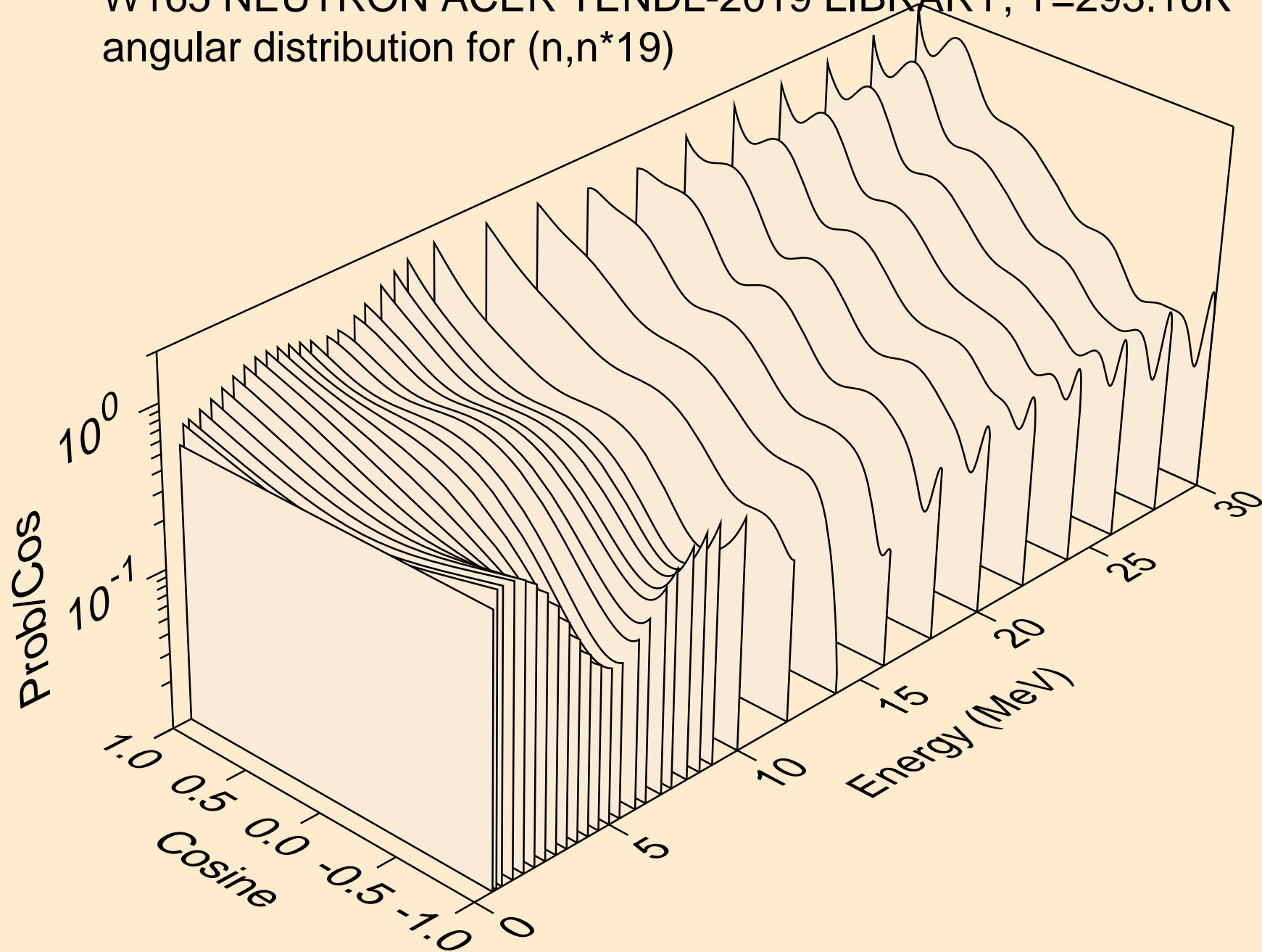
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angular distribution for (n,n\*17)



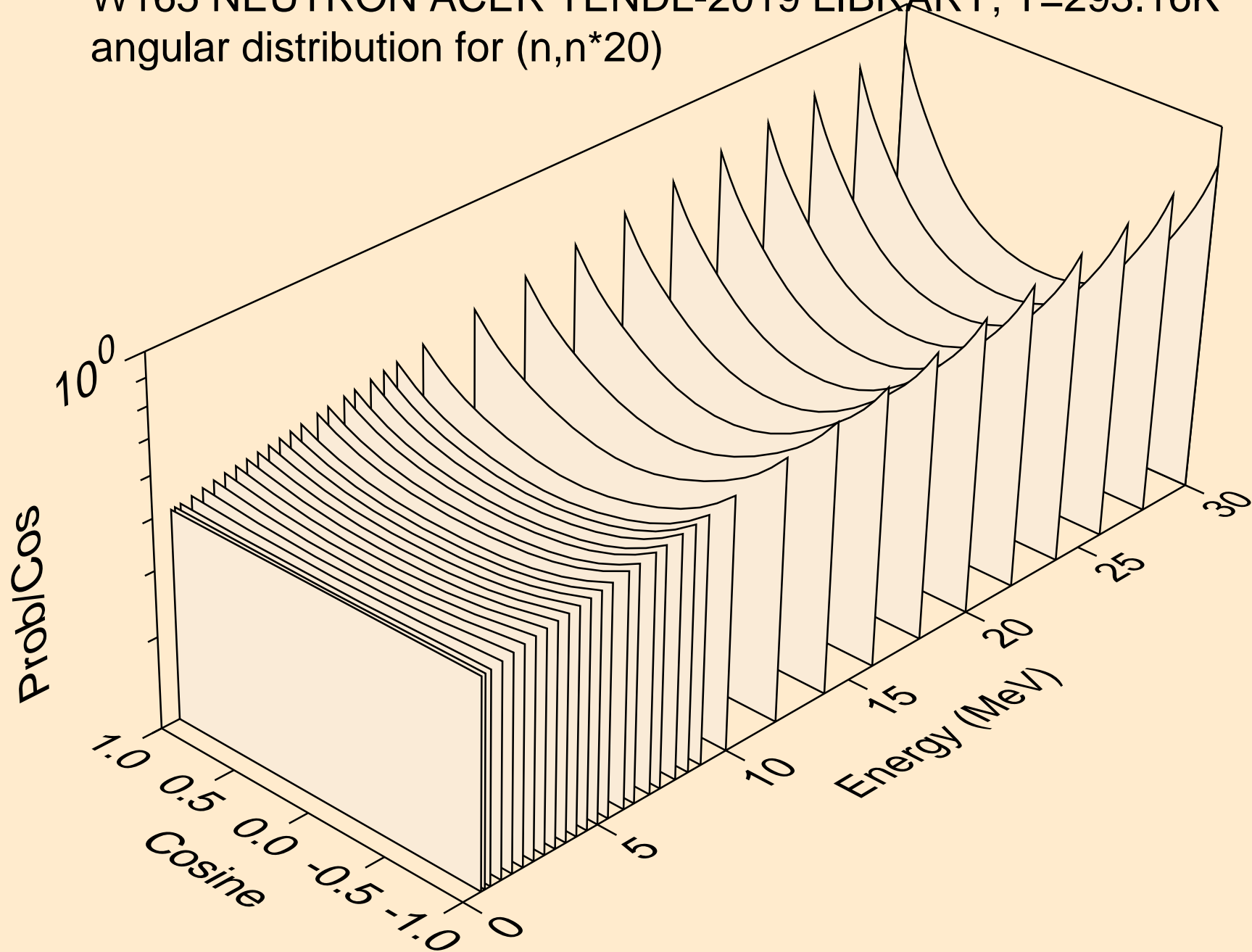
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angular distribution for (n,n\*18)



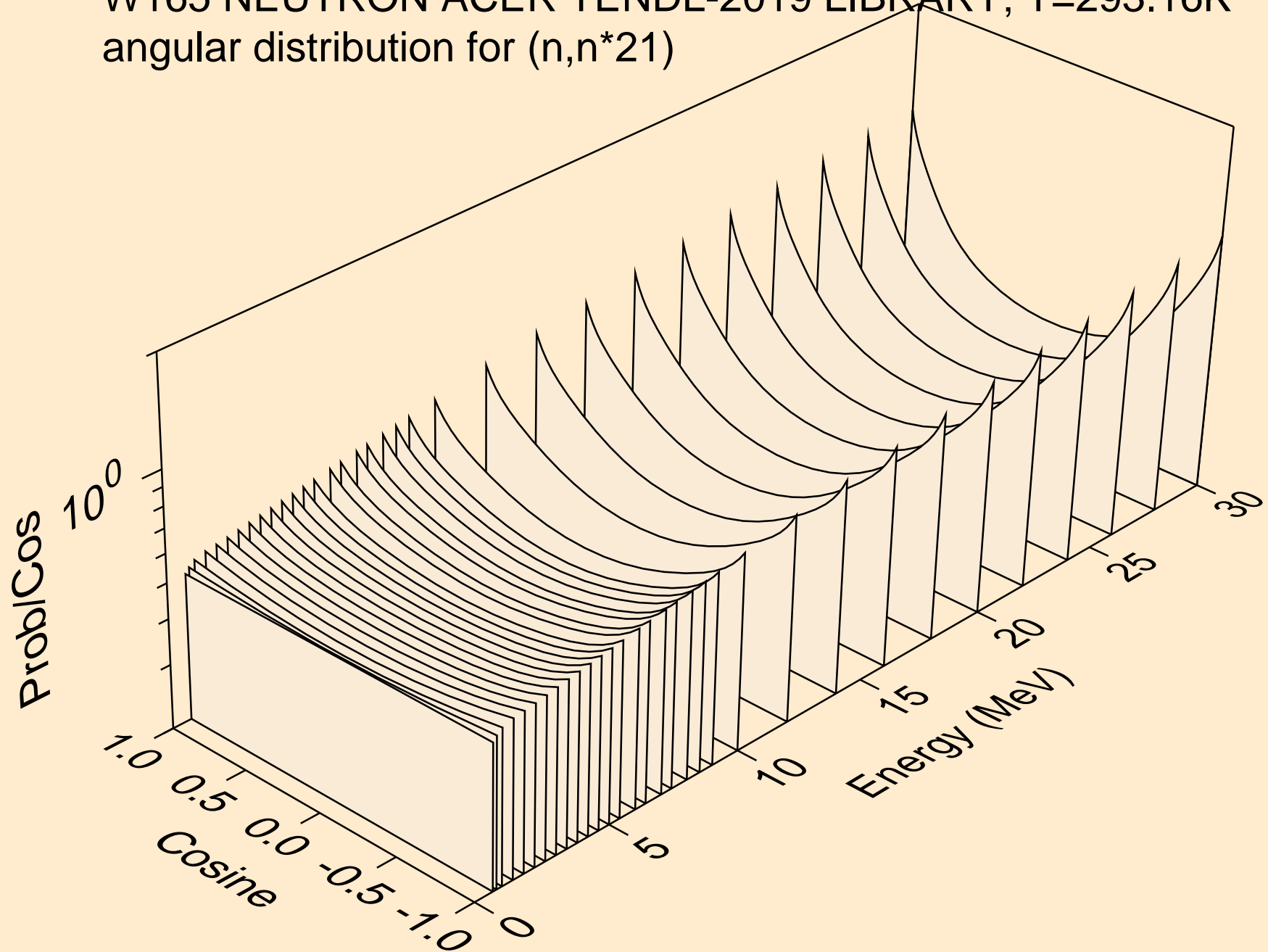
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angular distribution for (n,n\*19)



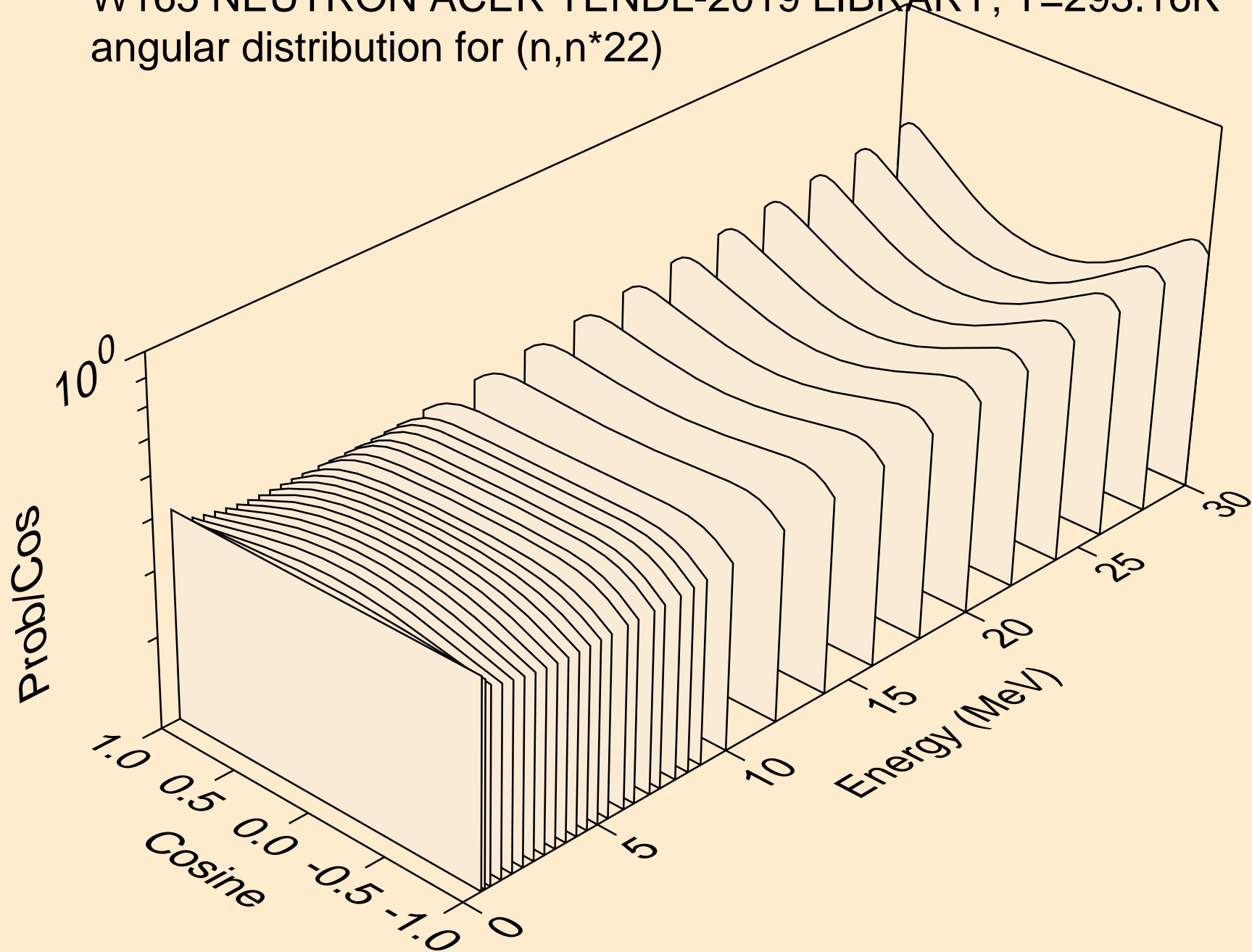
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

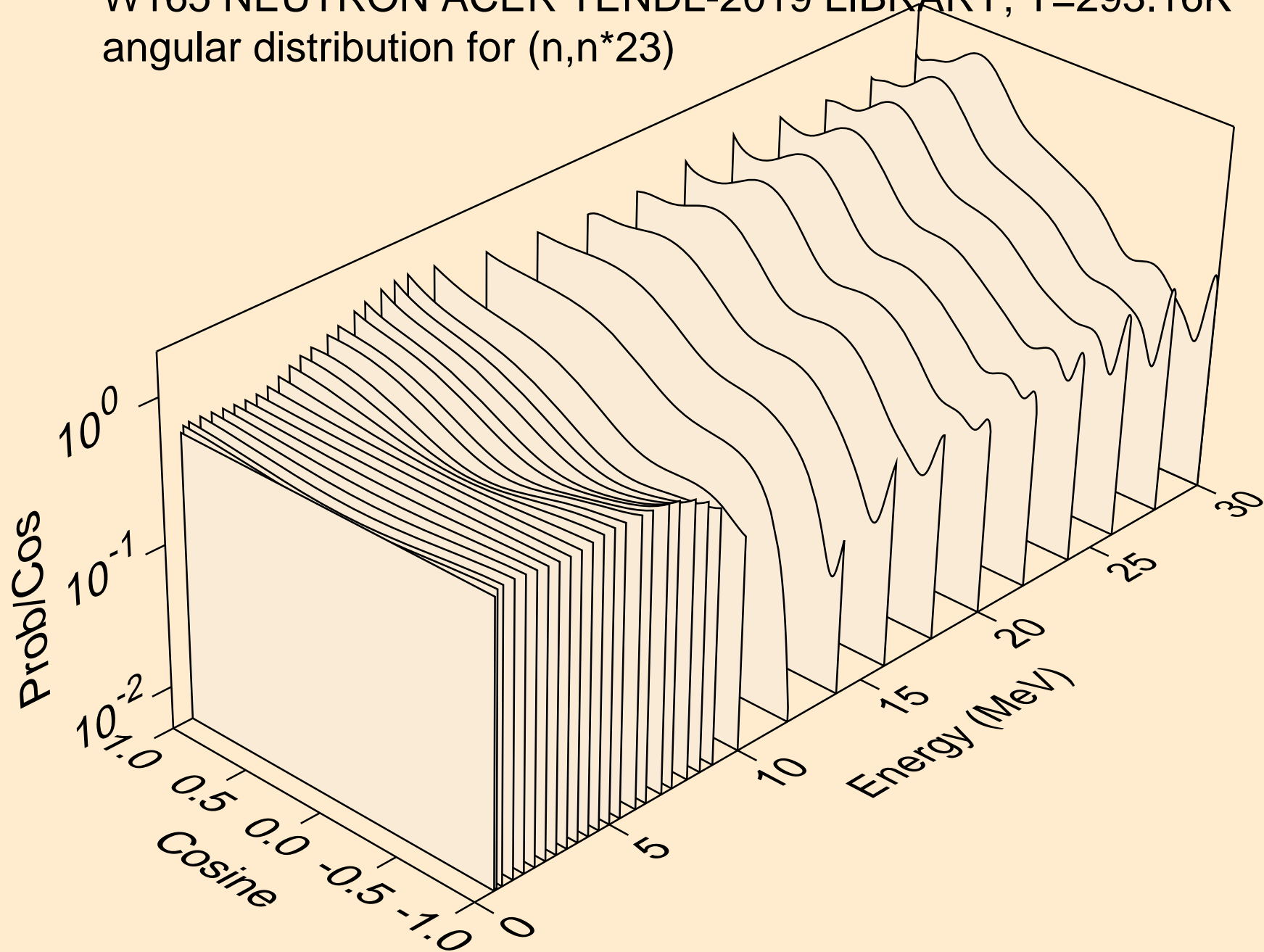


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)

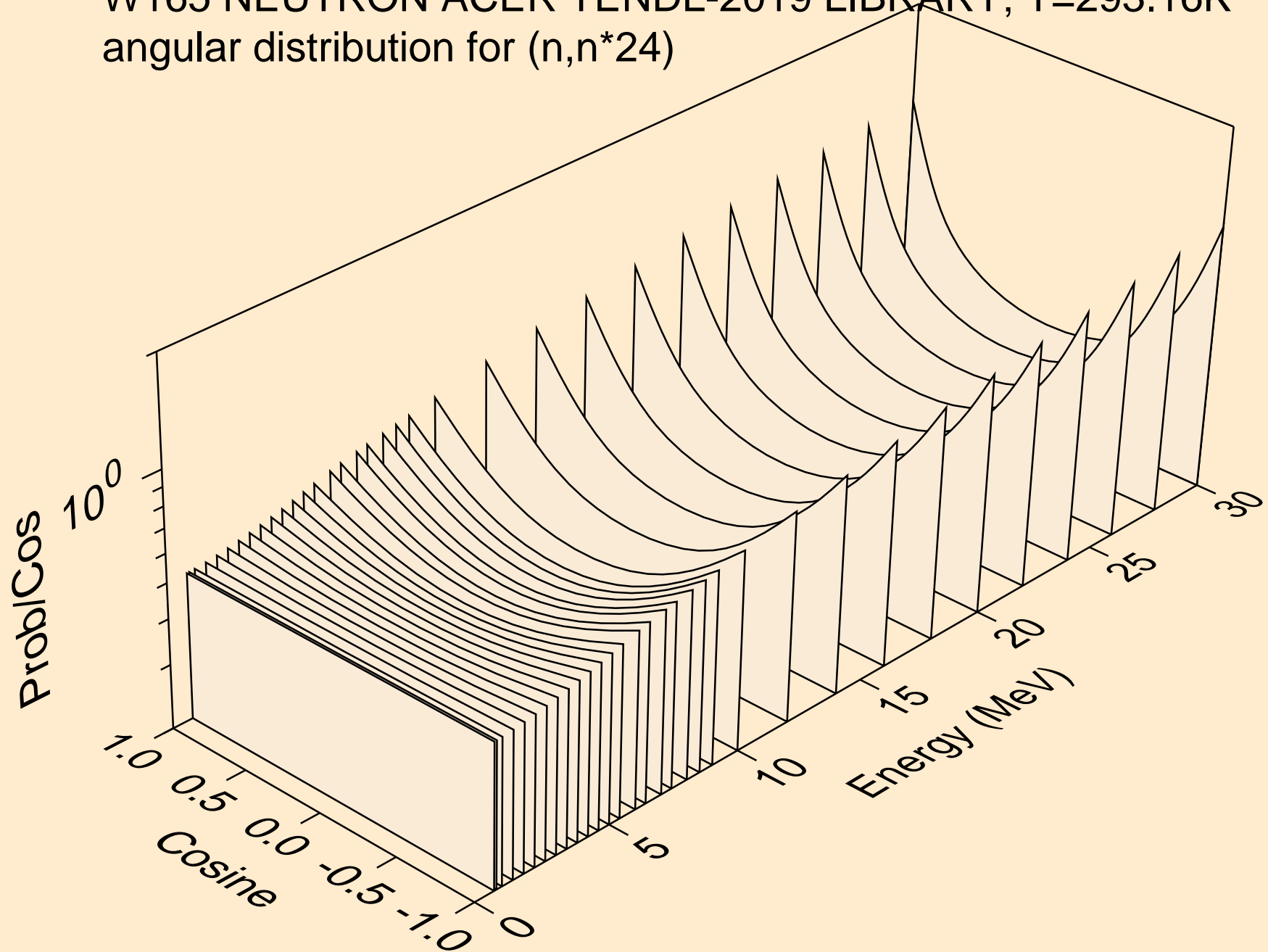




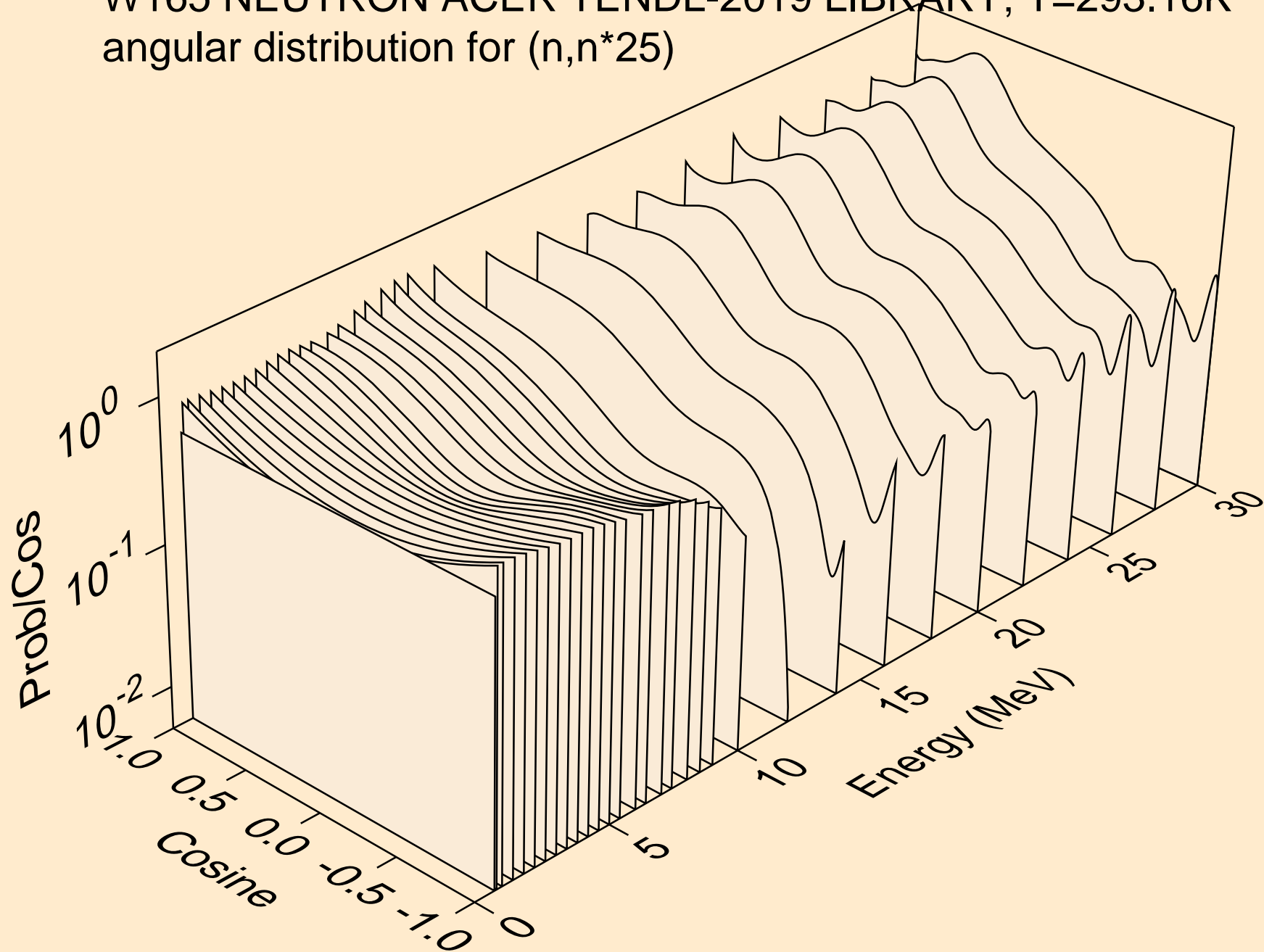
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



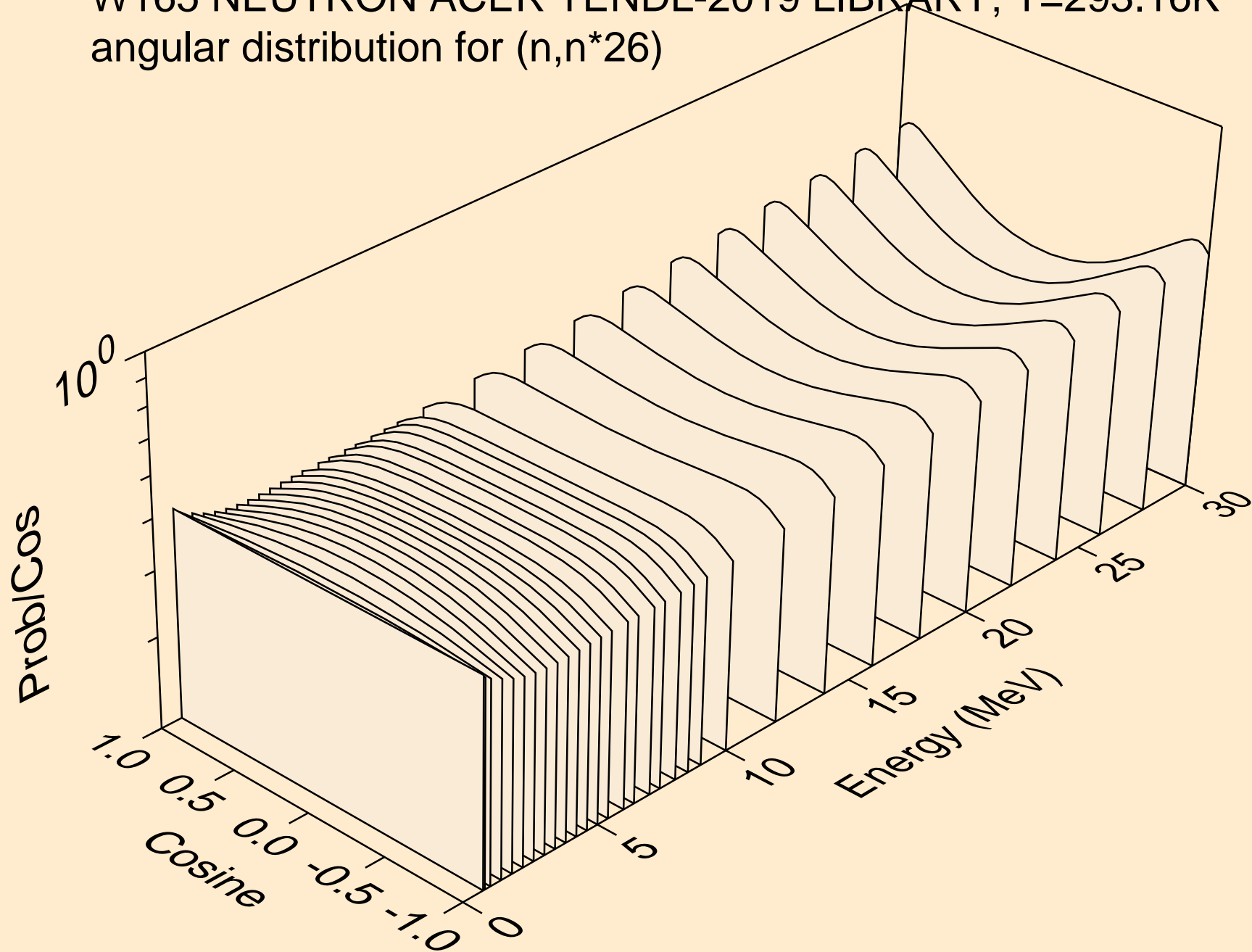
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



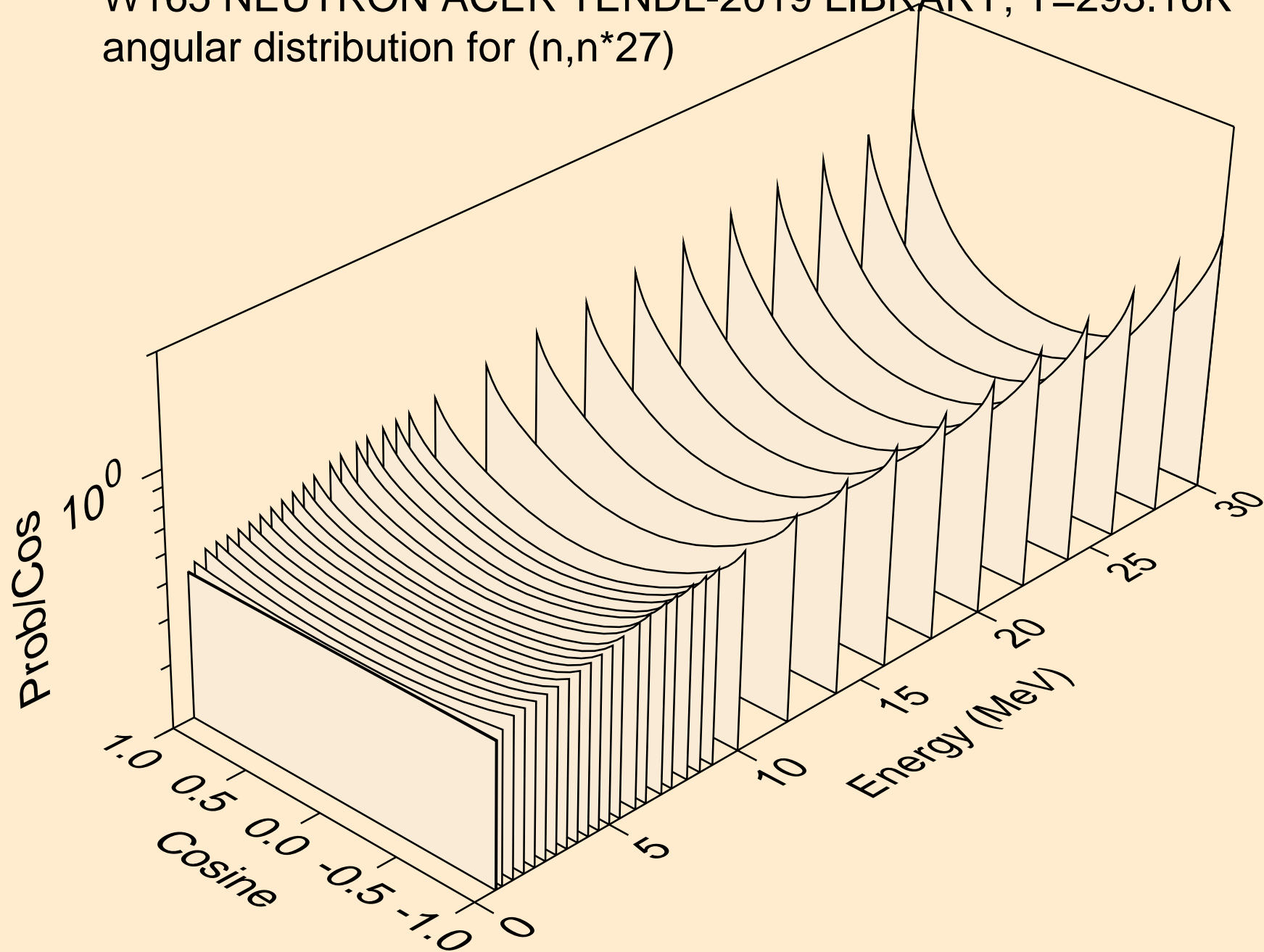
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



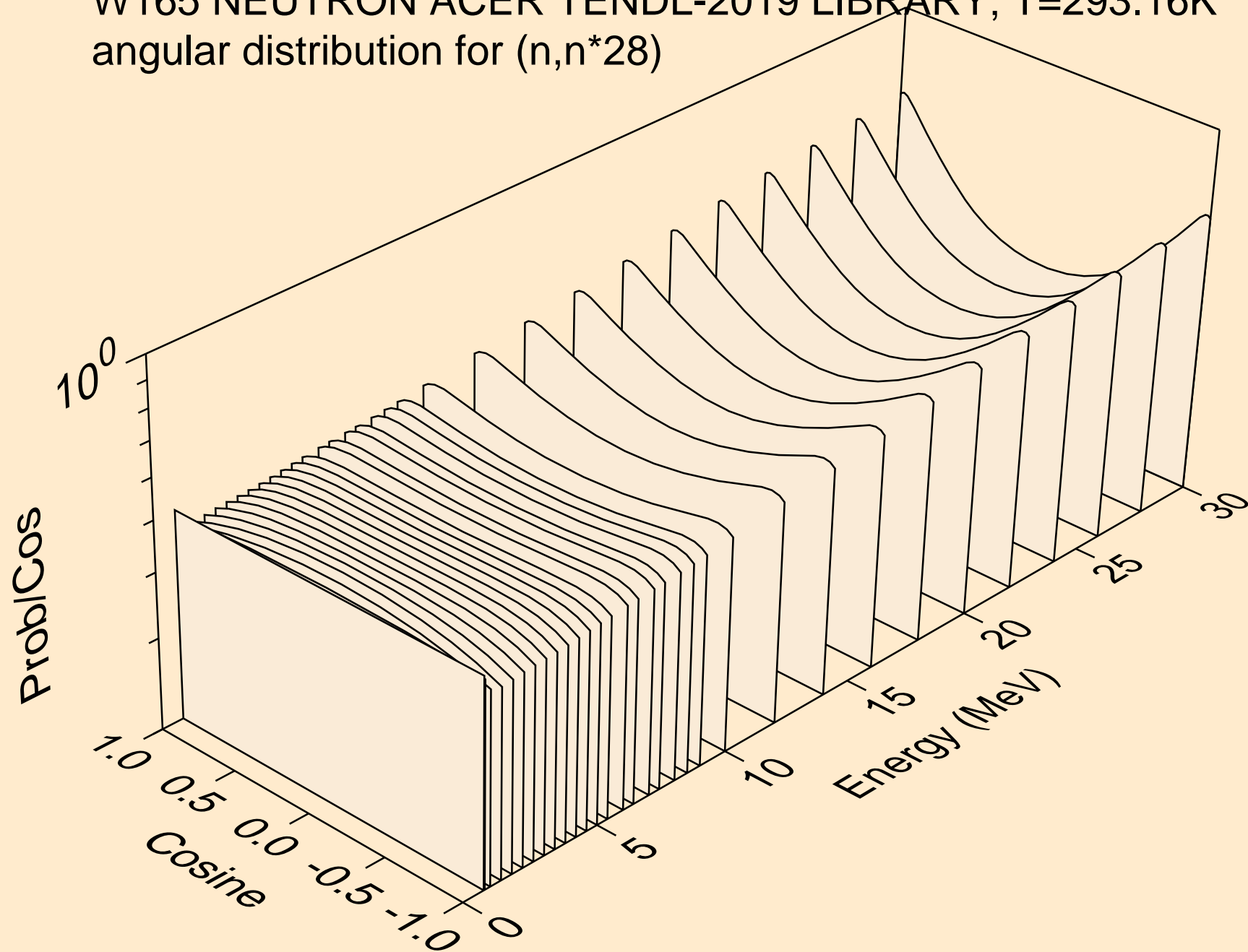
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



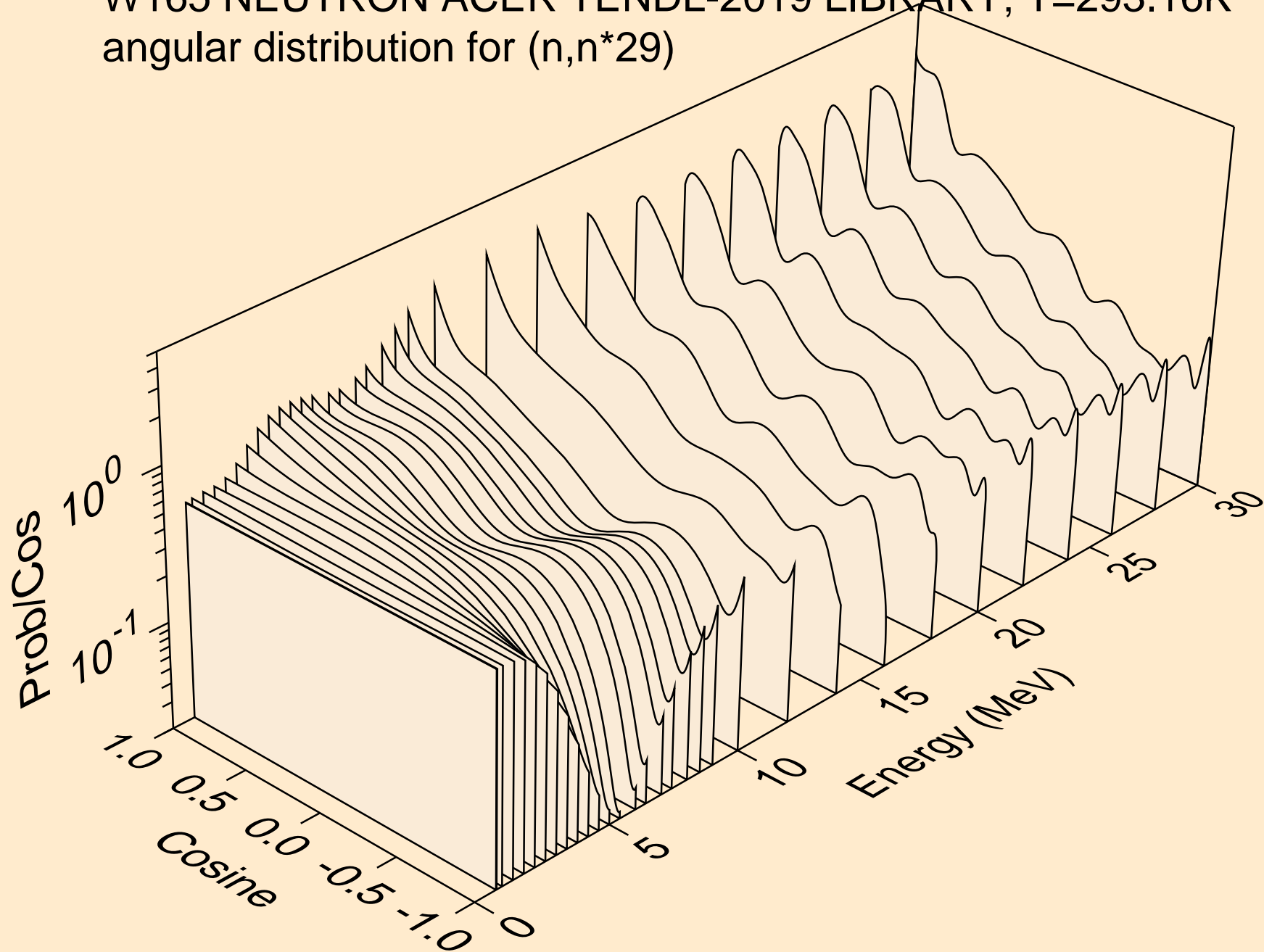
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



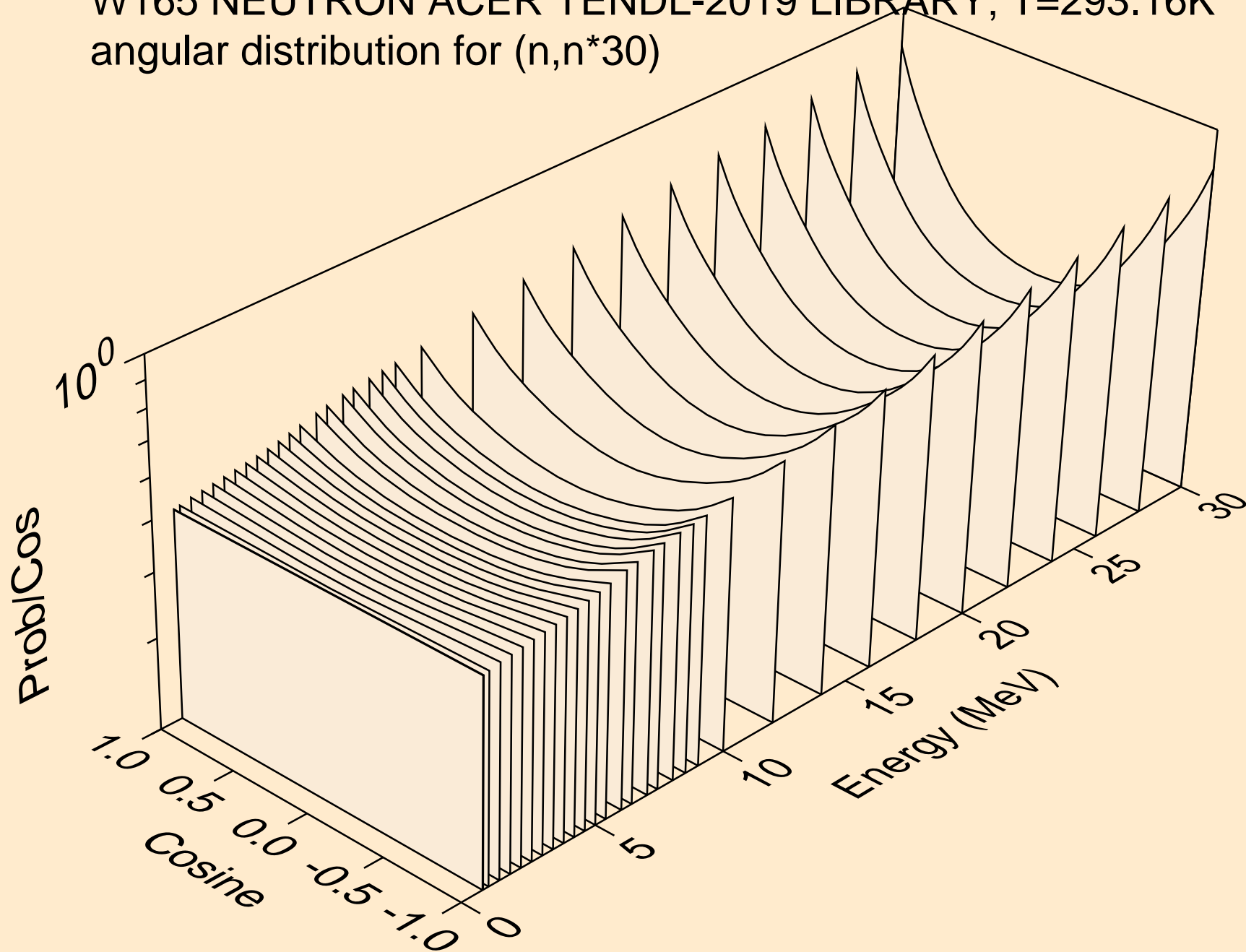
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)

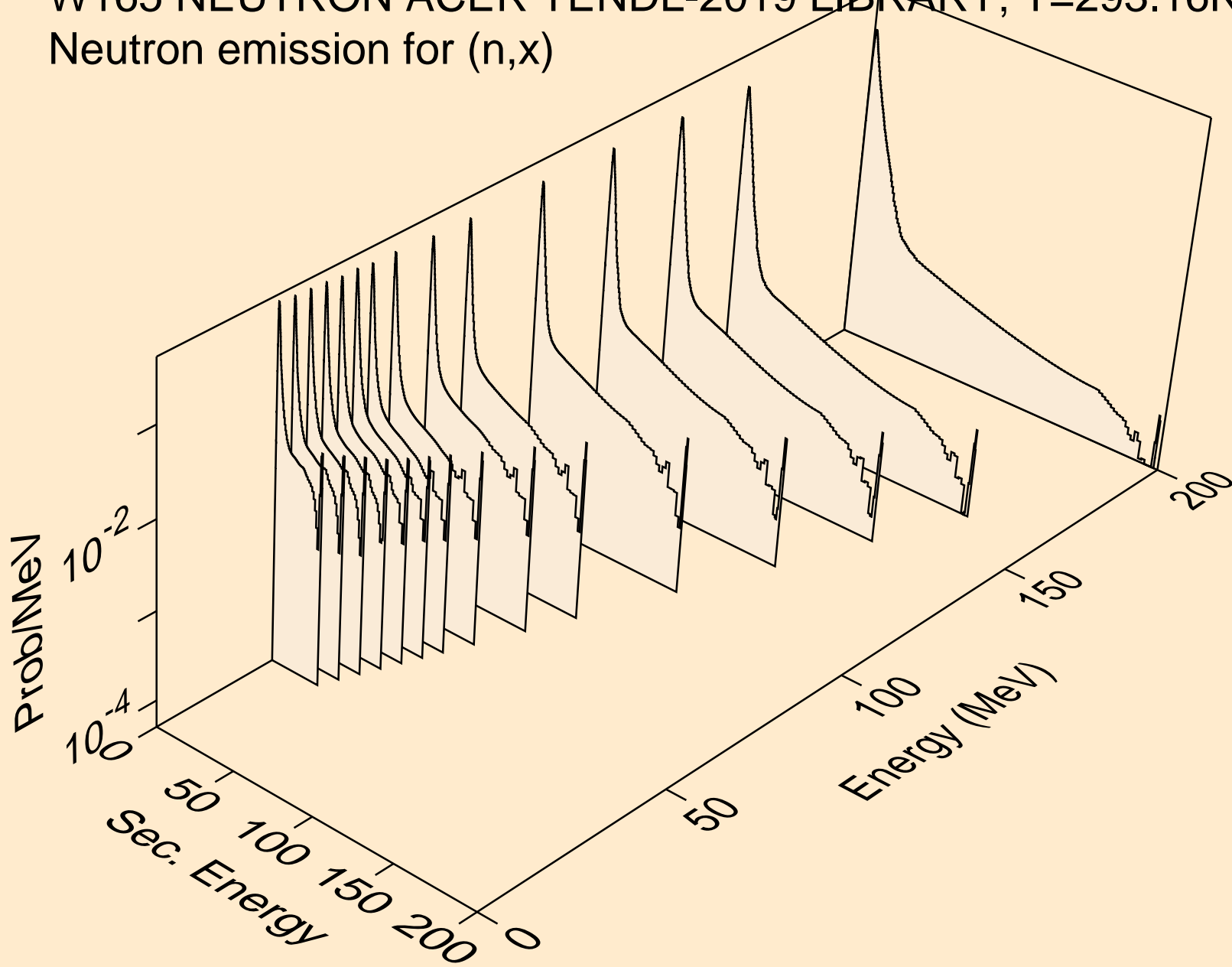


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)

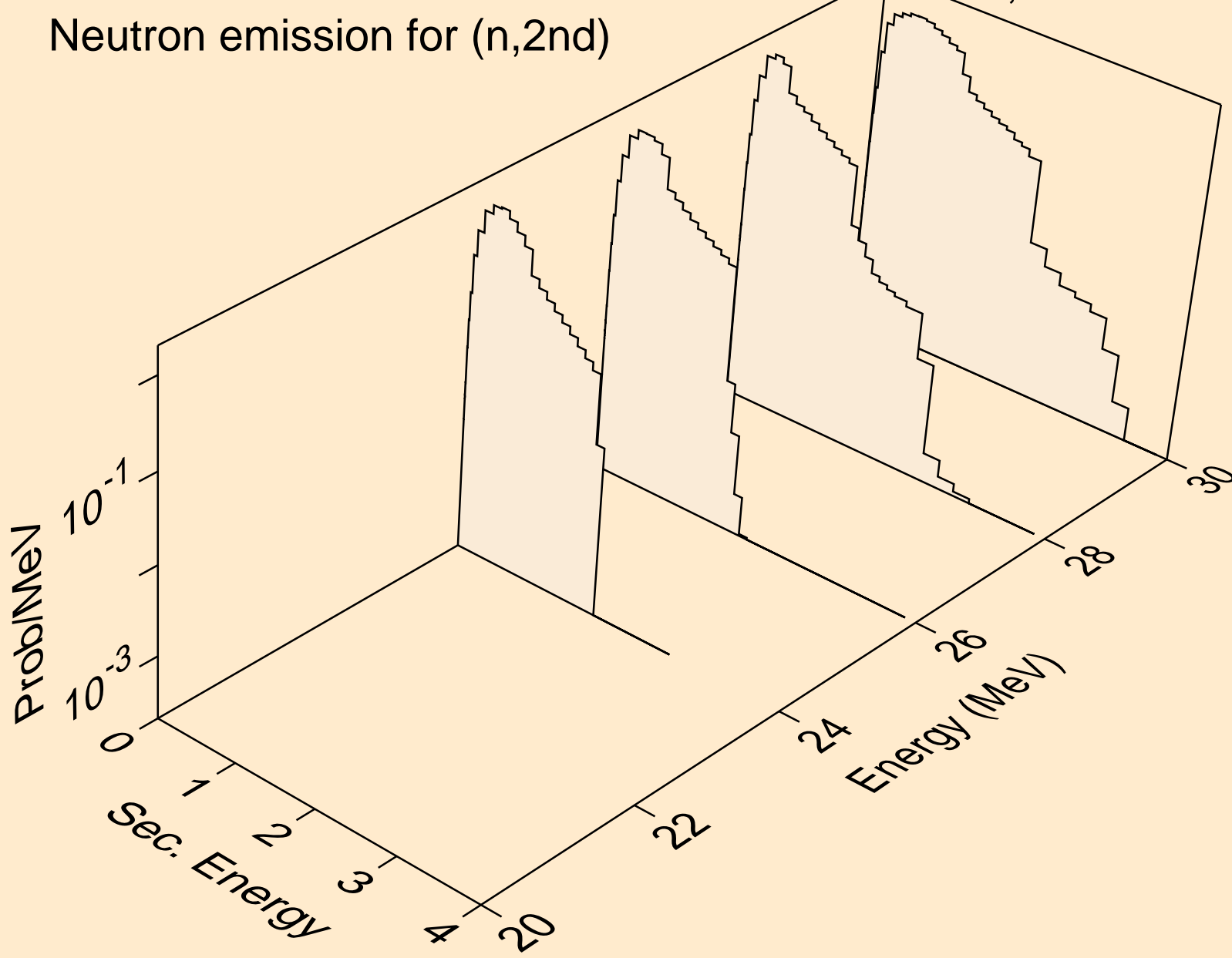




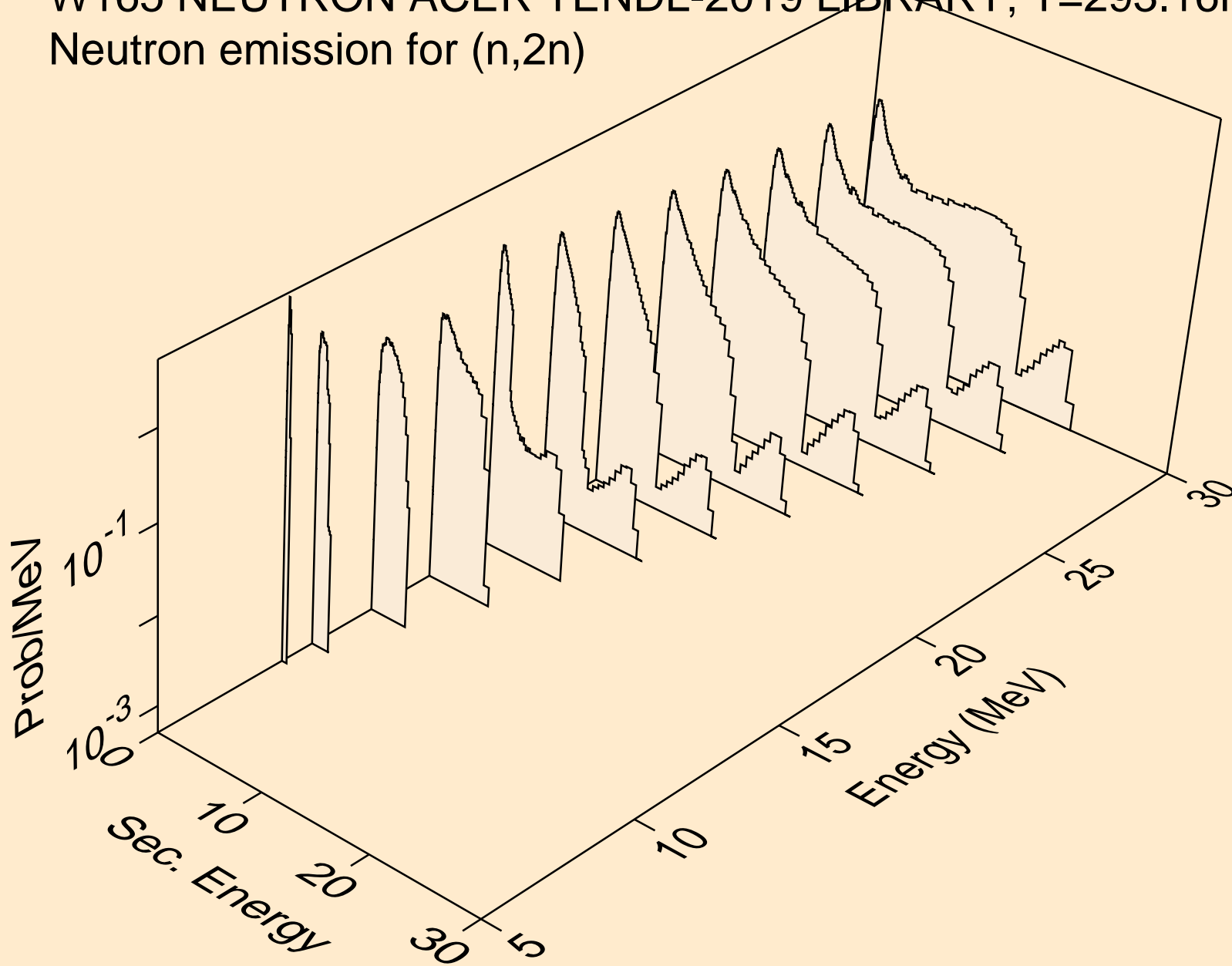
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



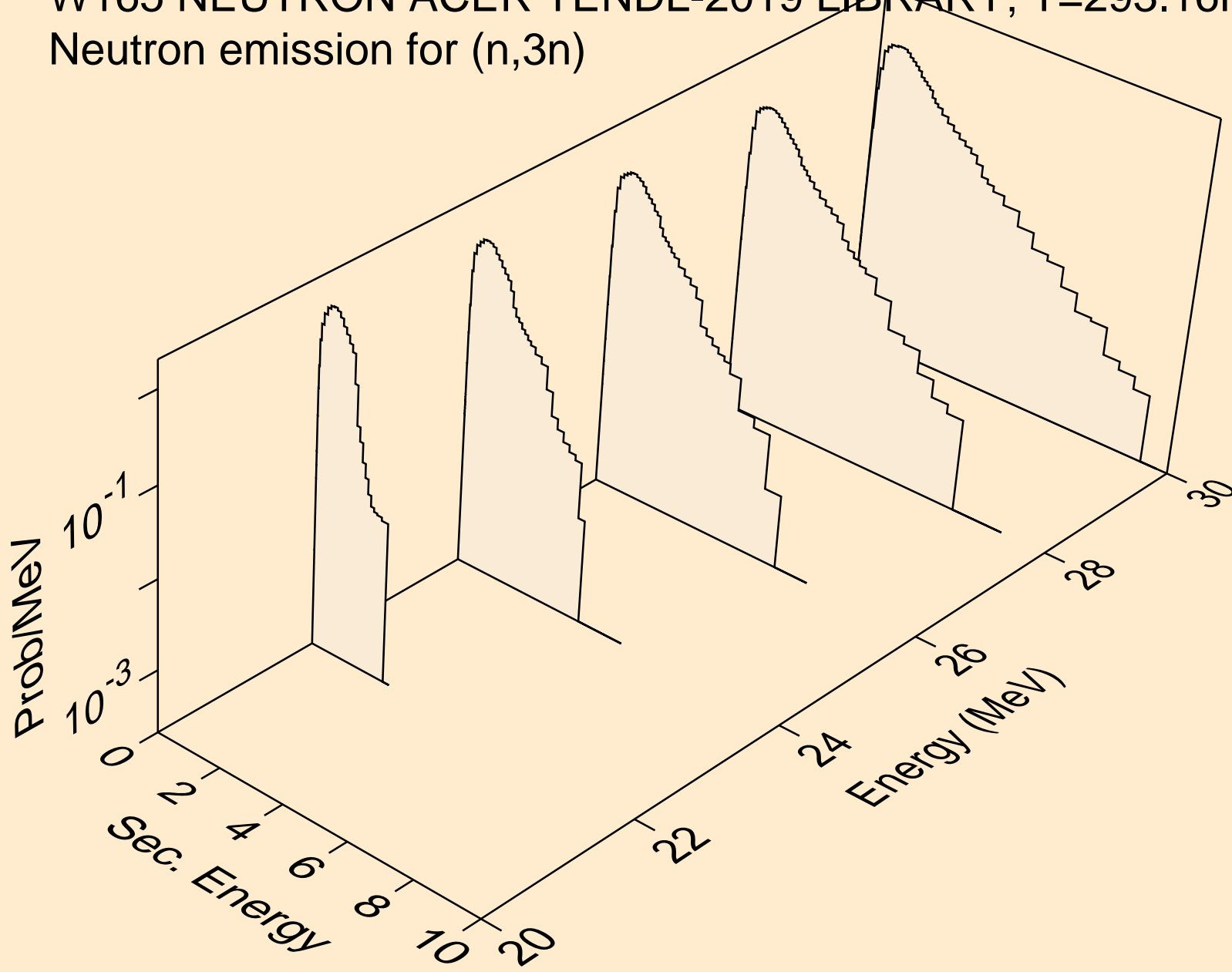
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



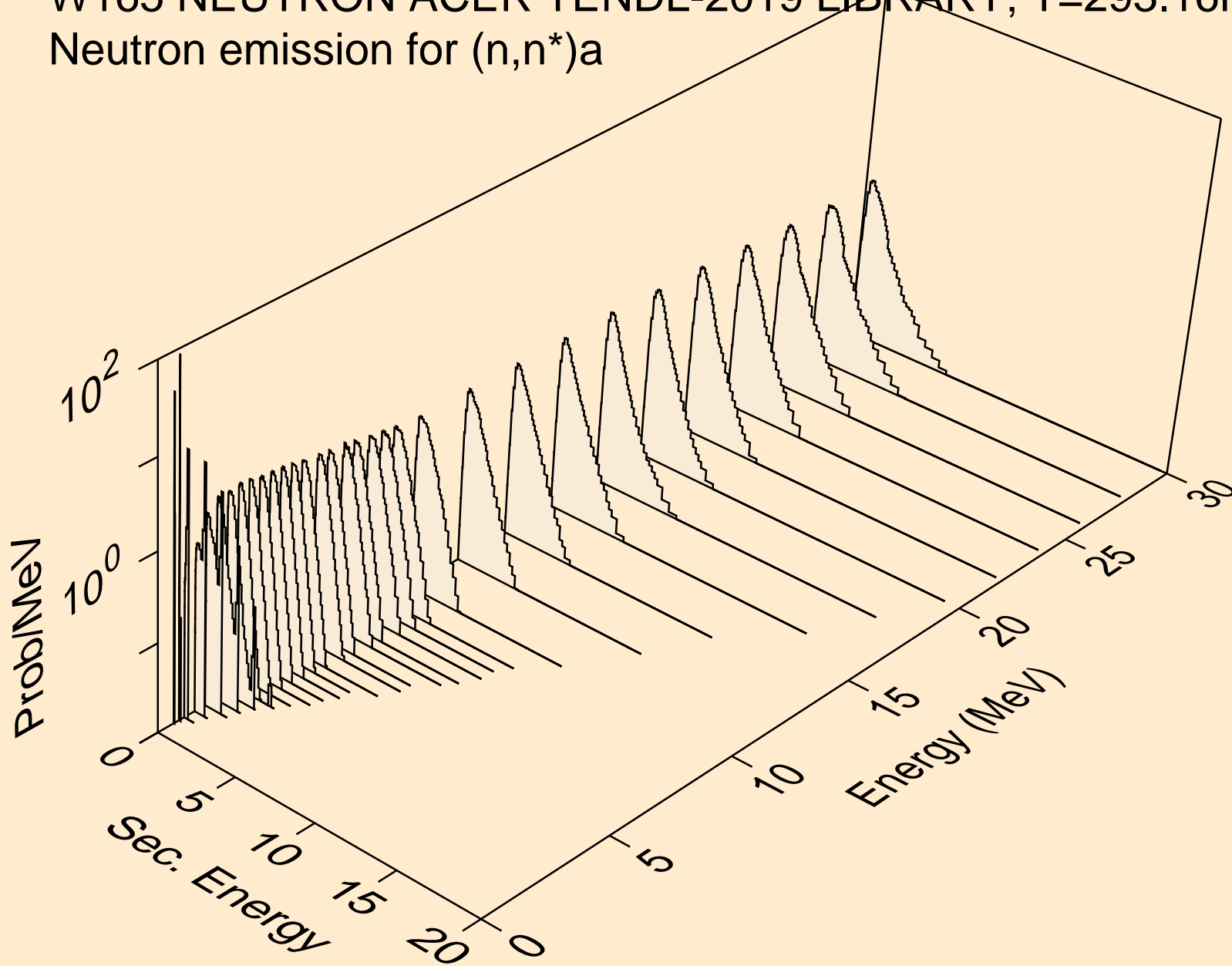
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



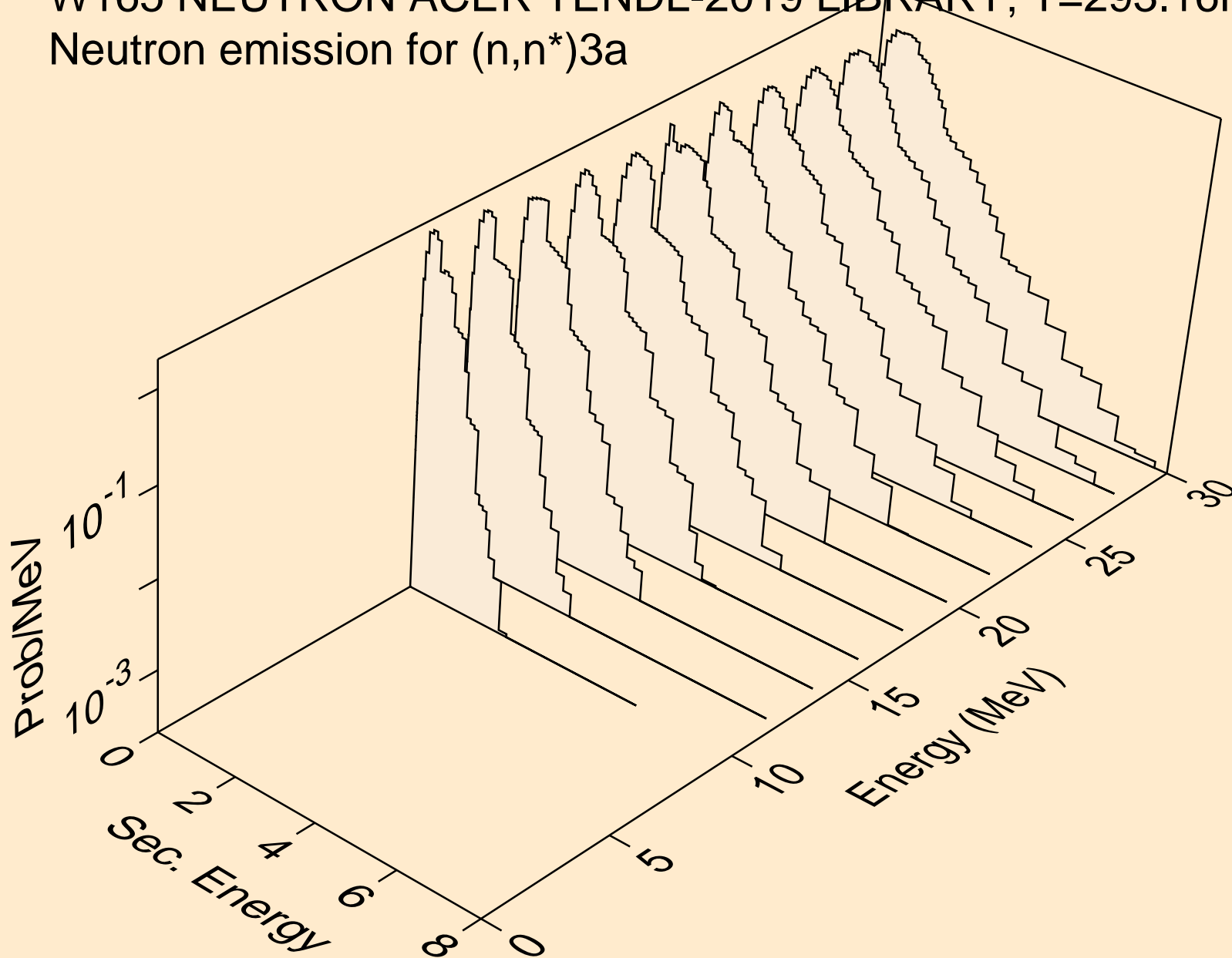
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



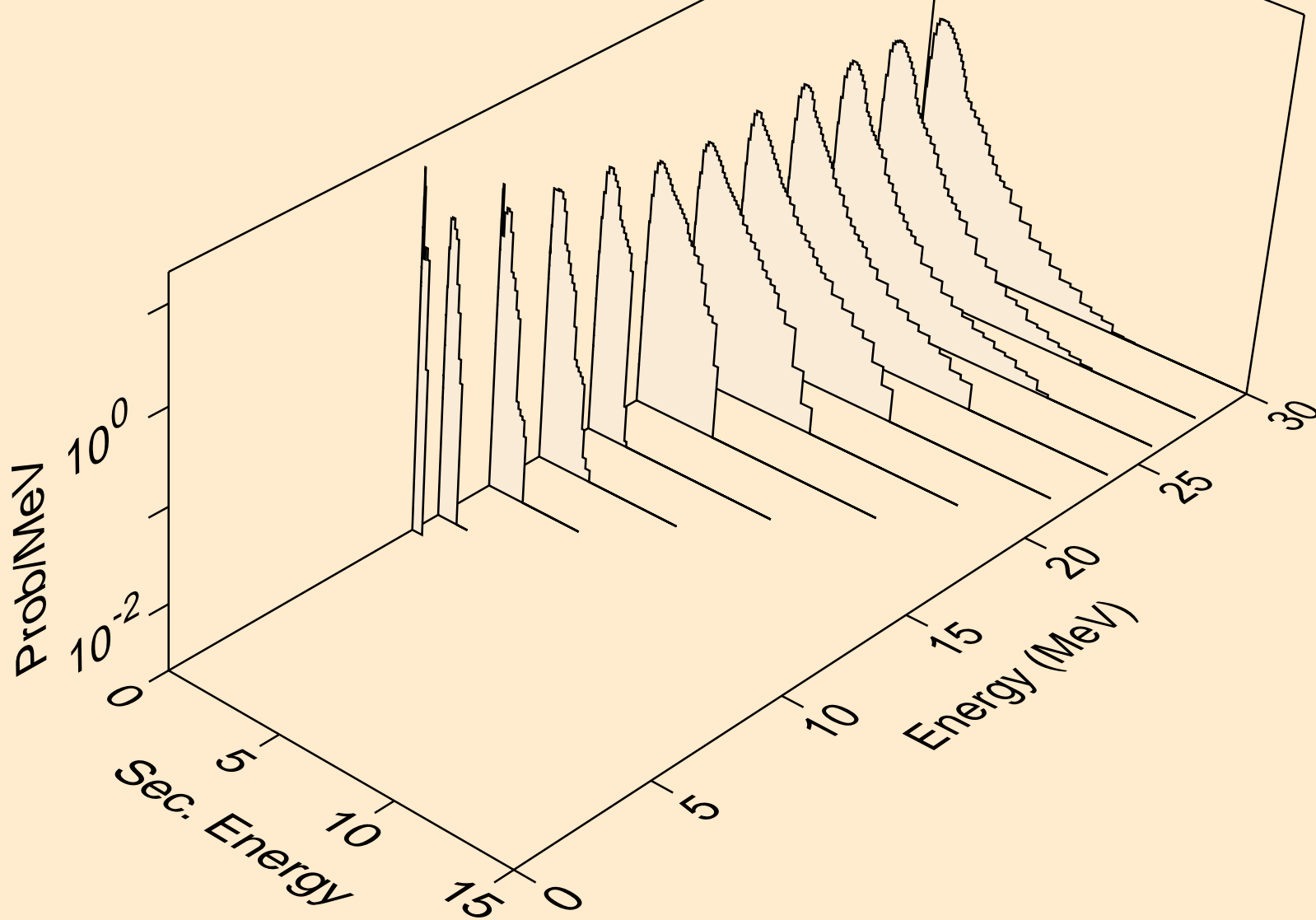
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



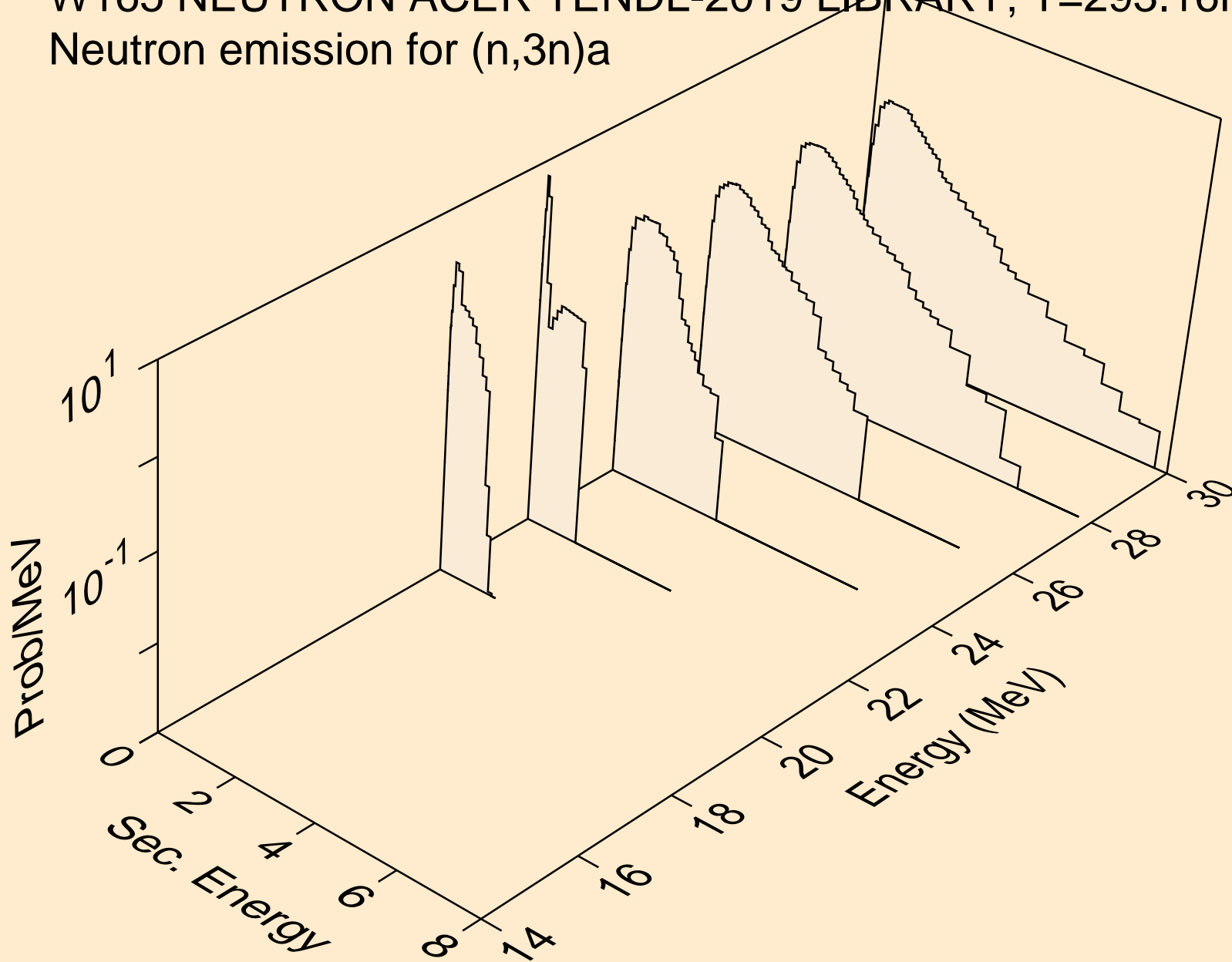
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)3a



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

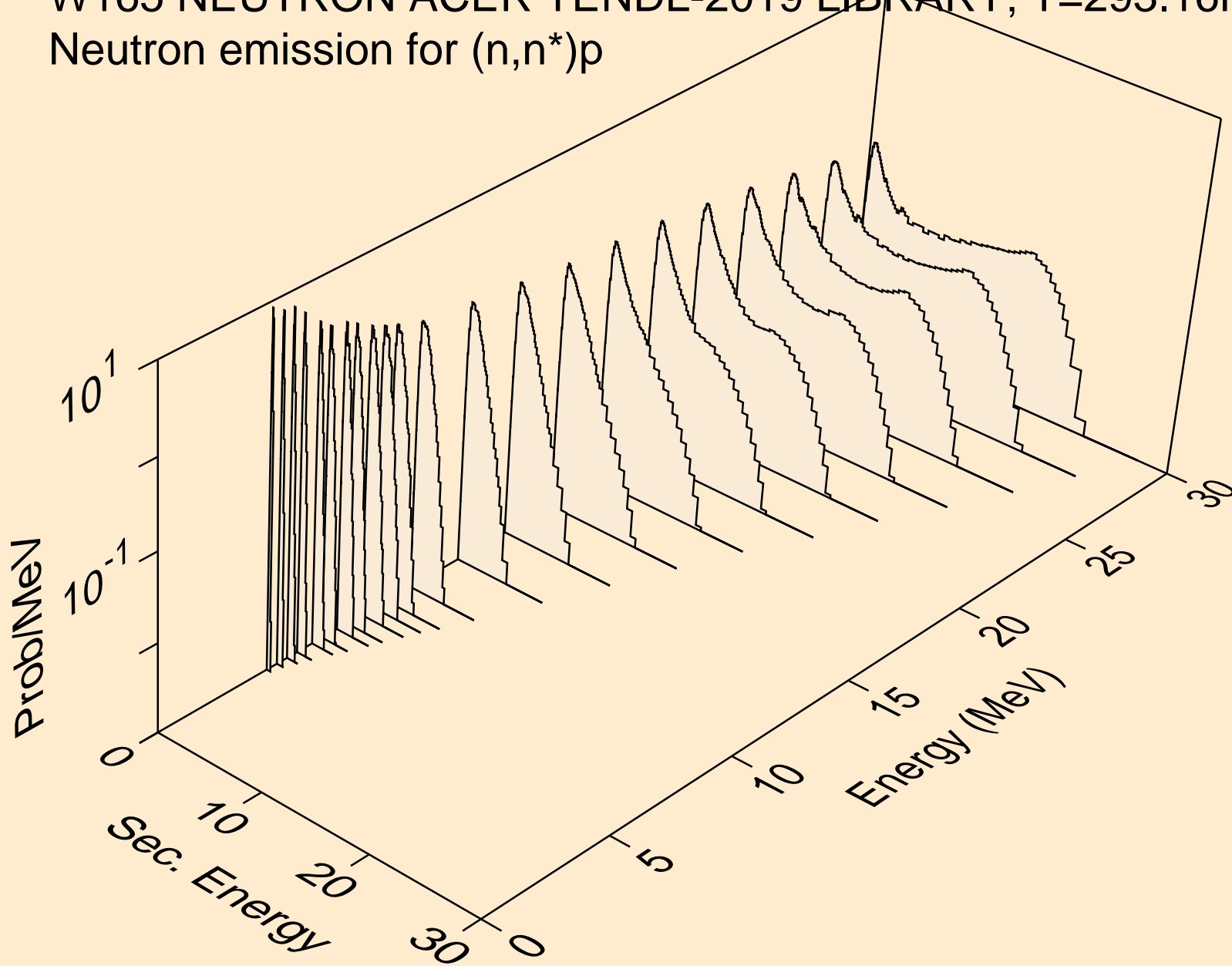


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a

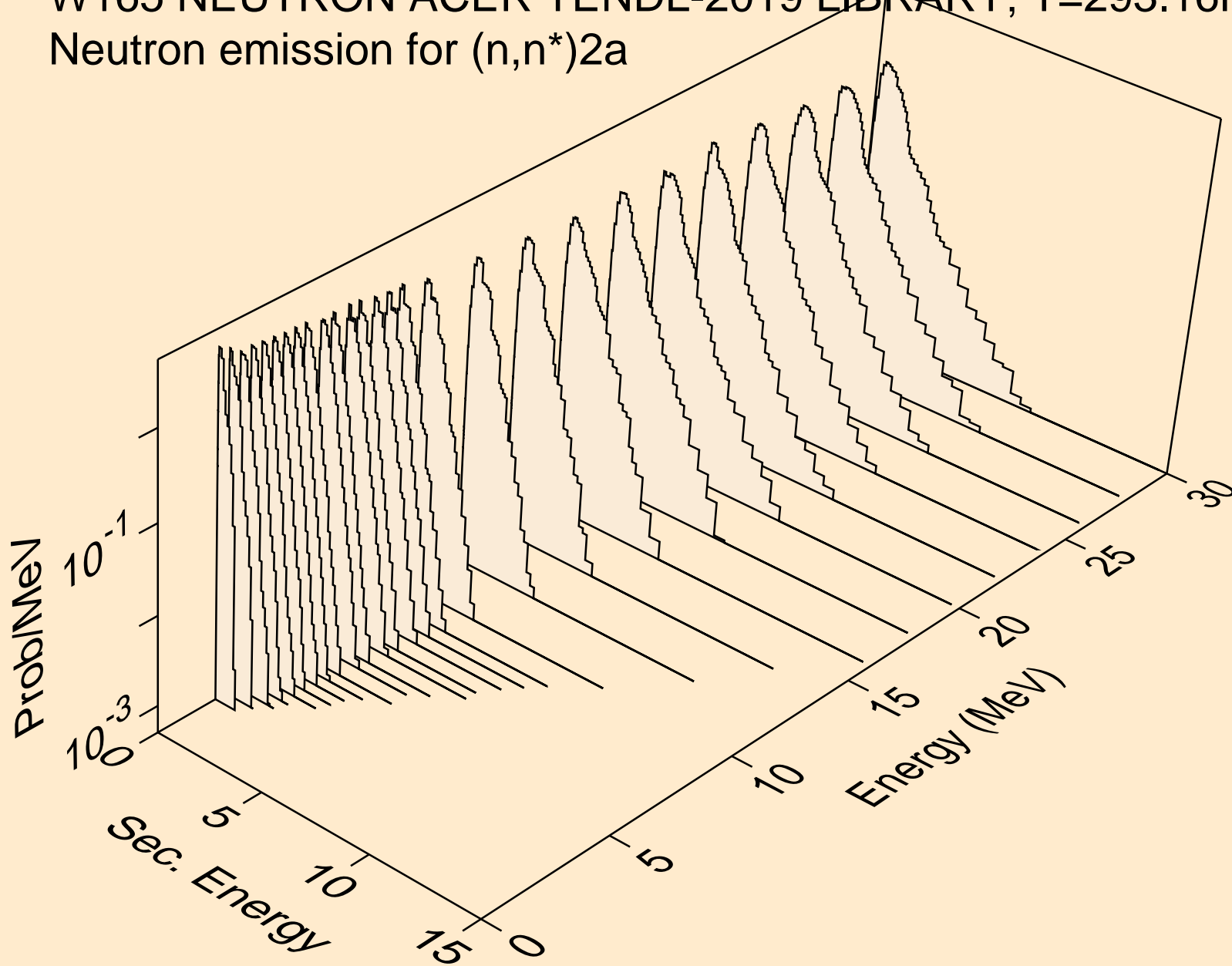




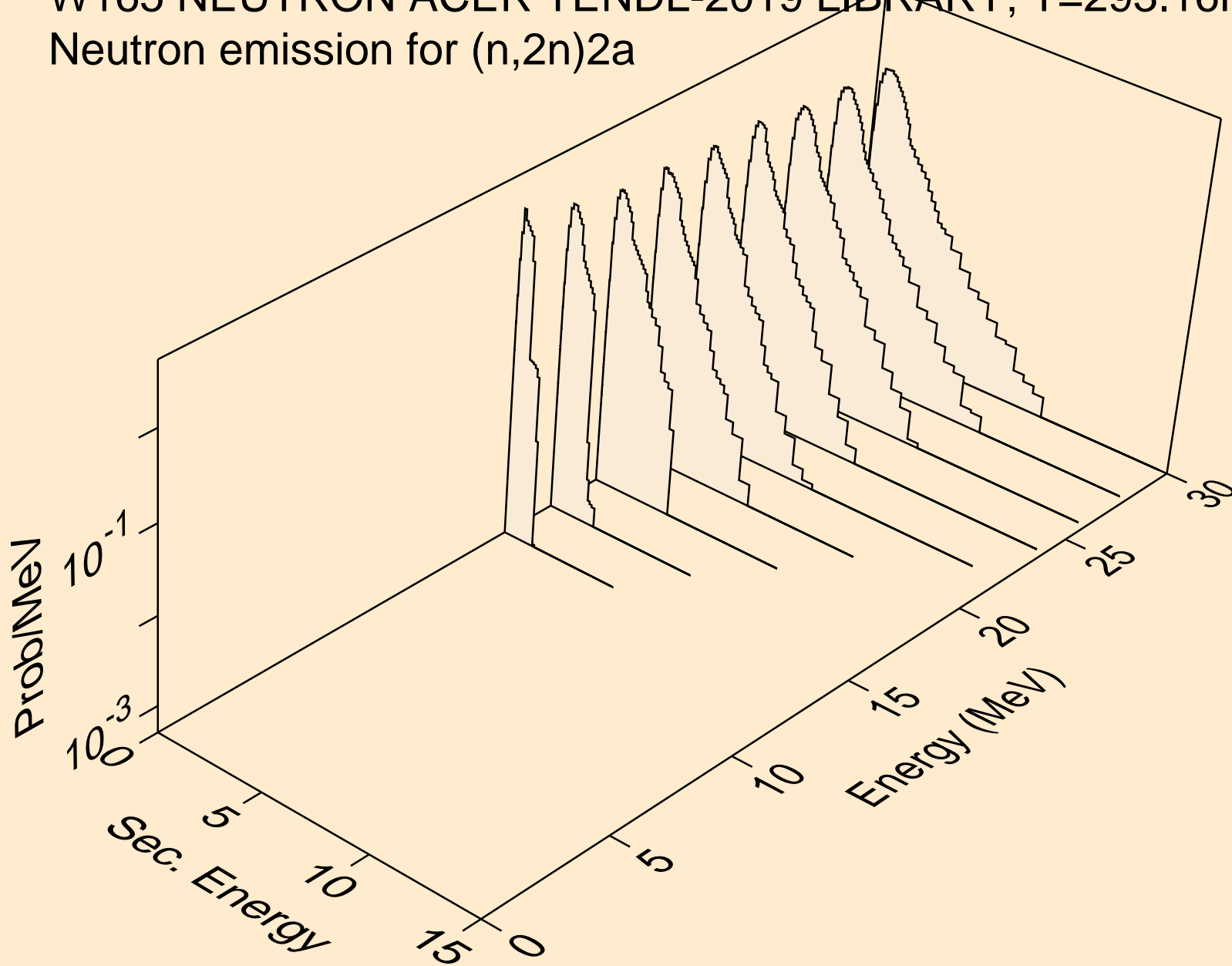
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



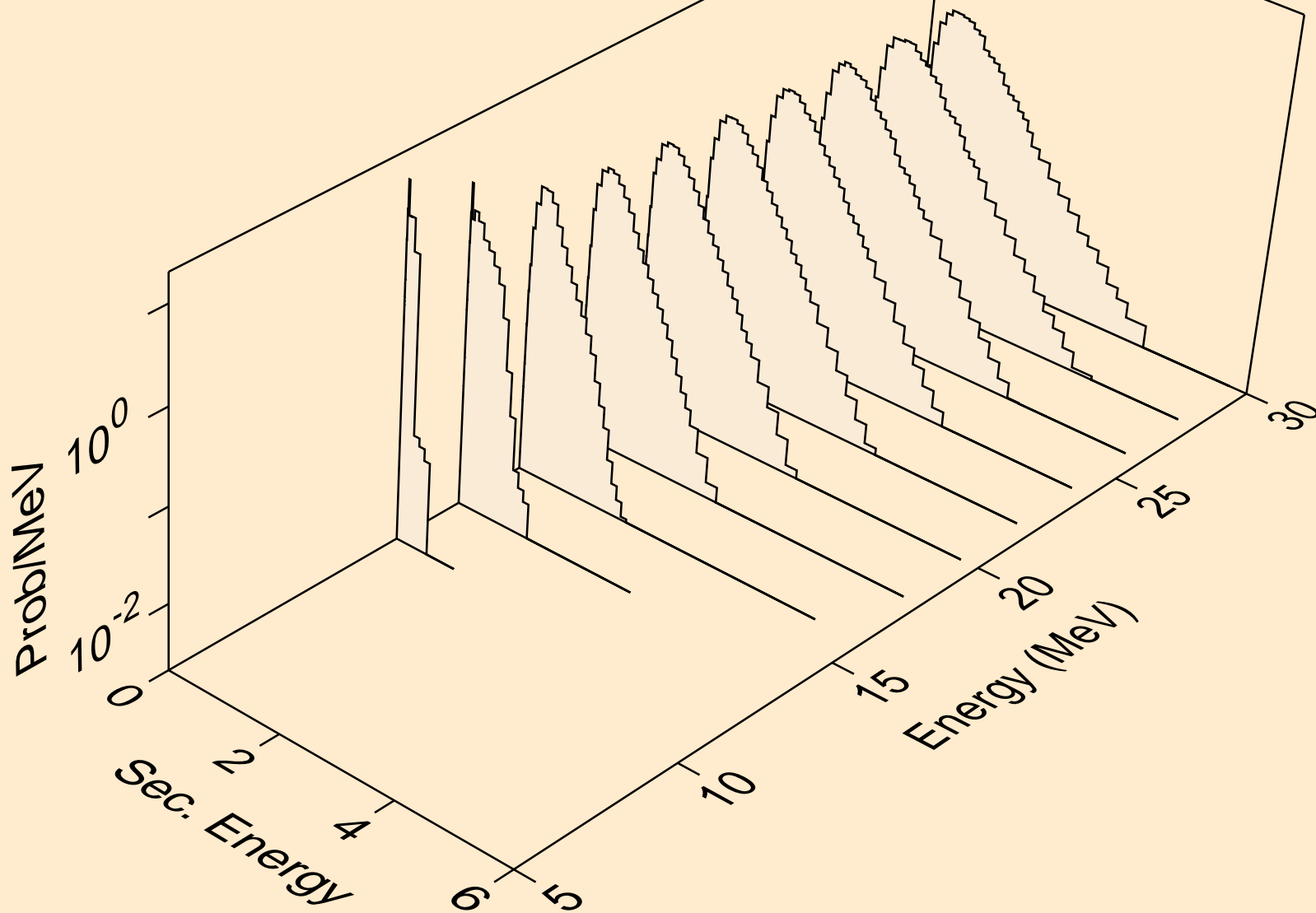
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



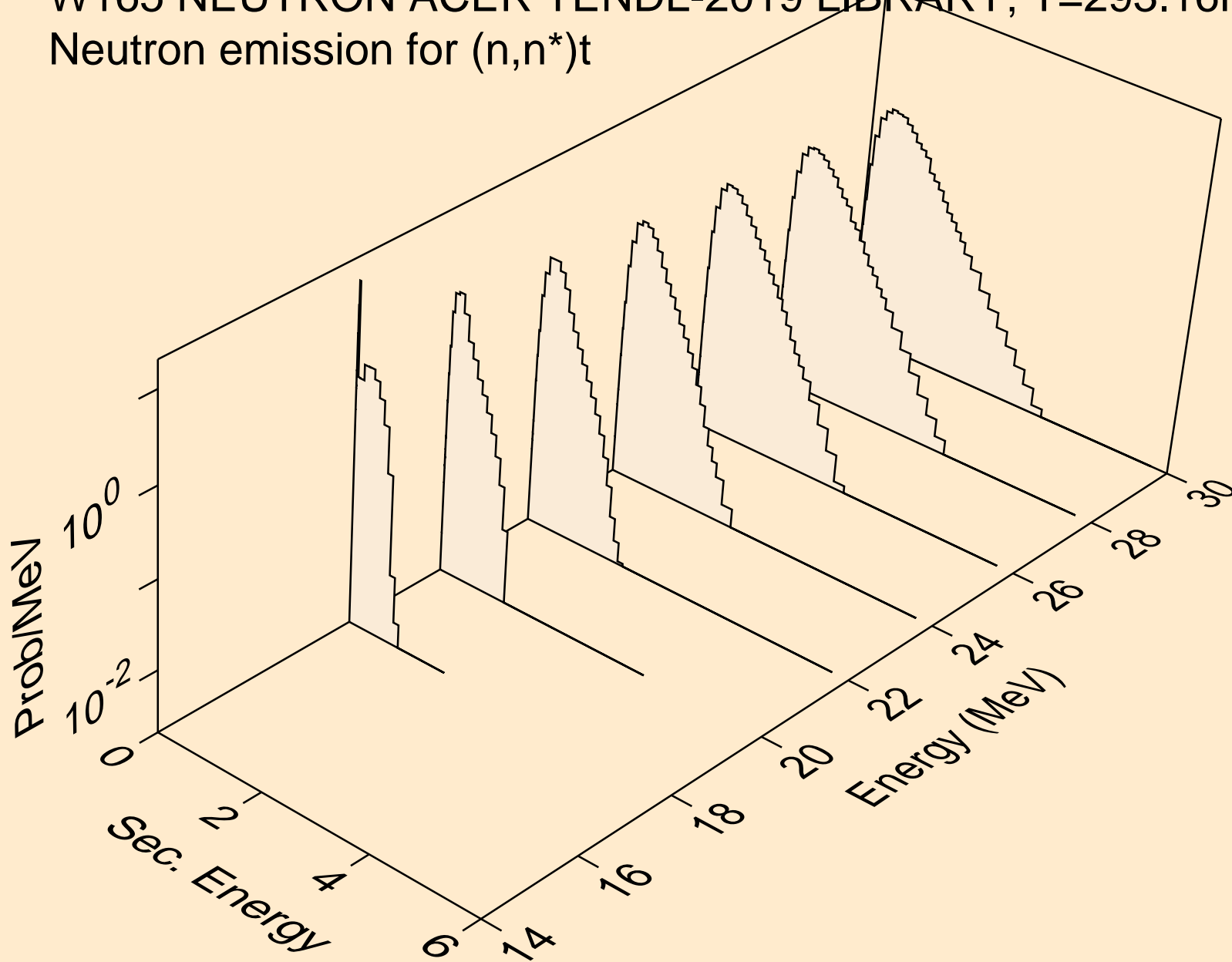
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



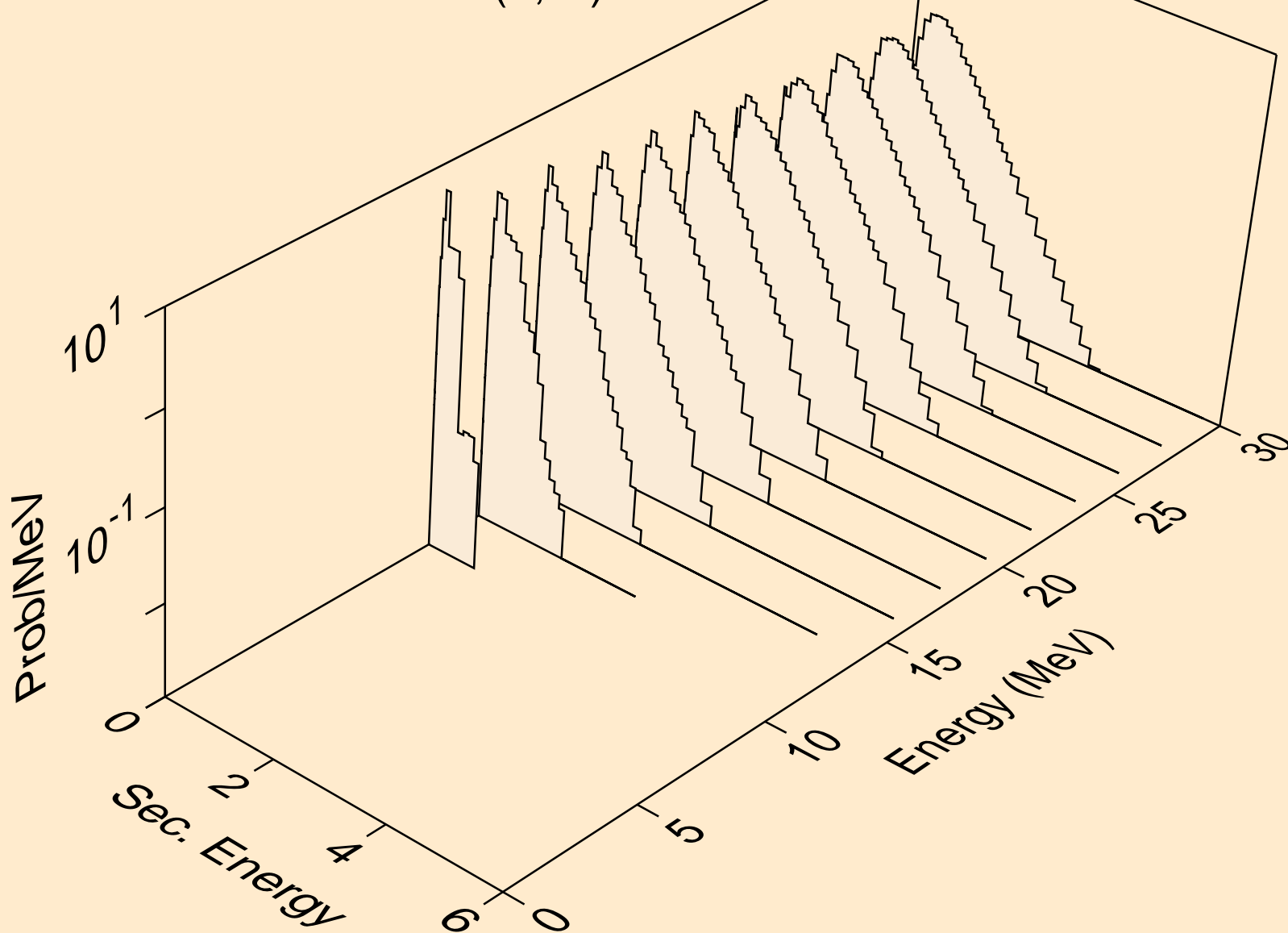
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



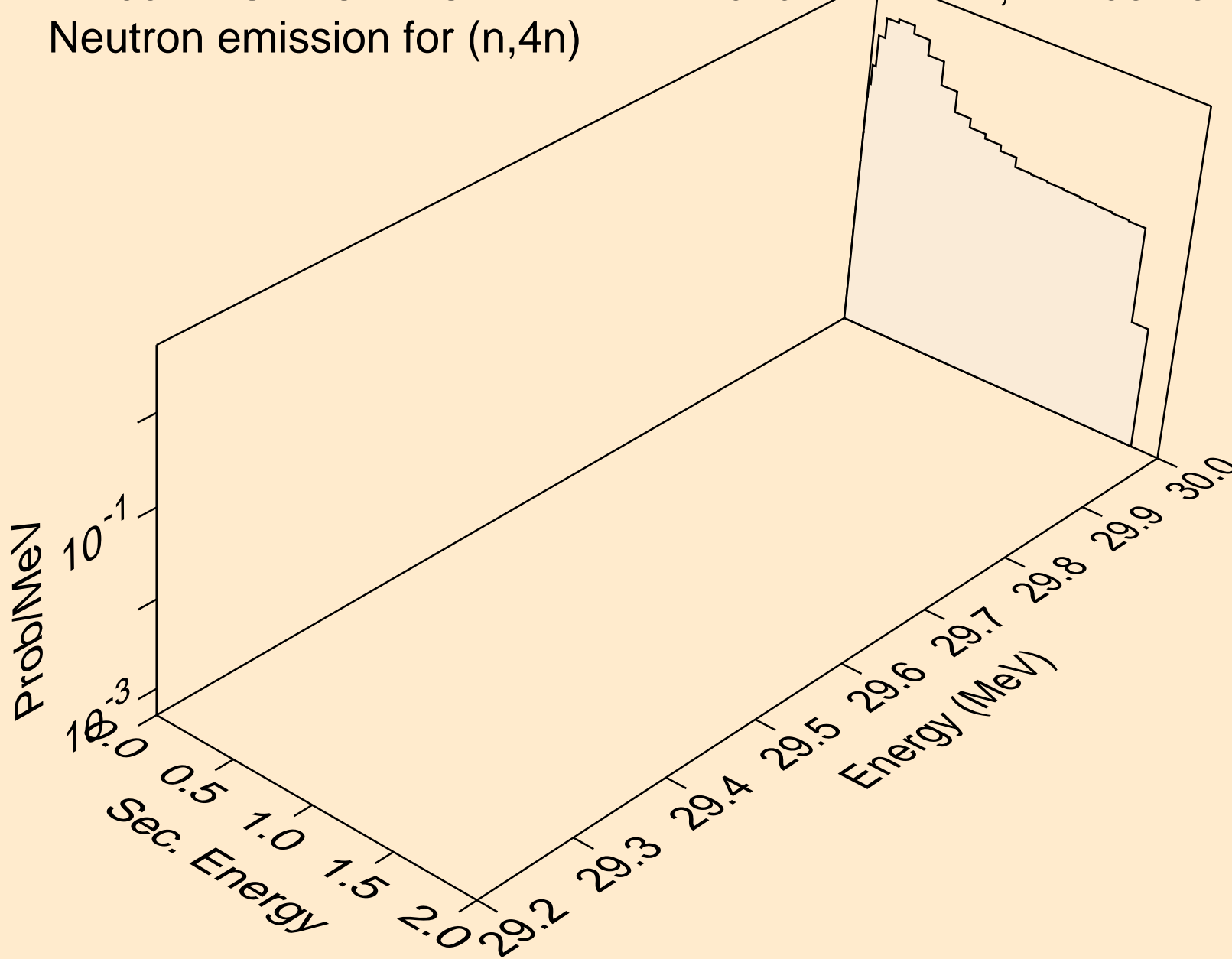
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



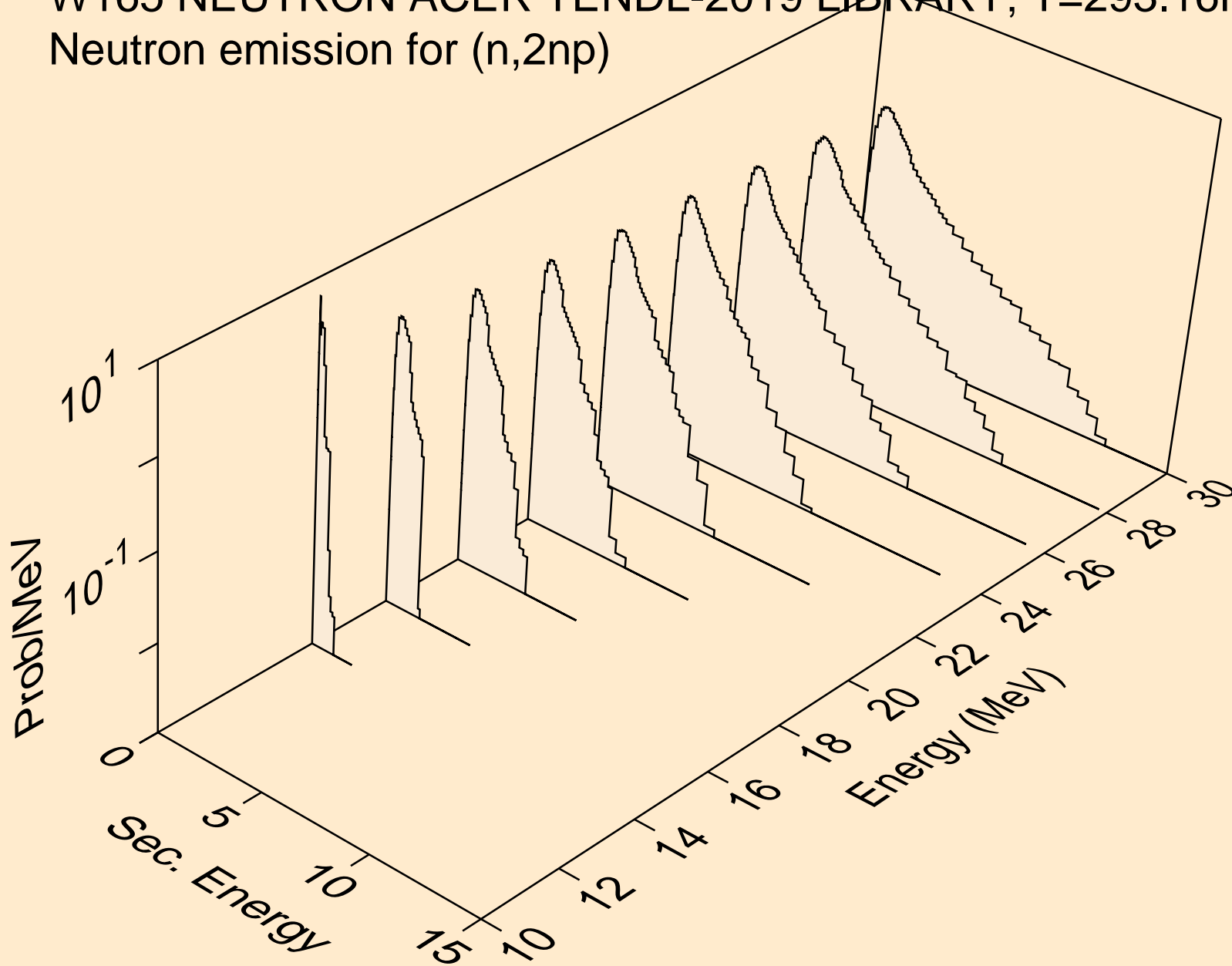
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

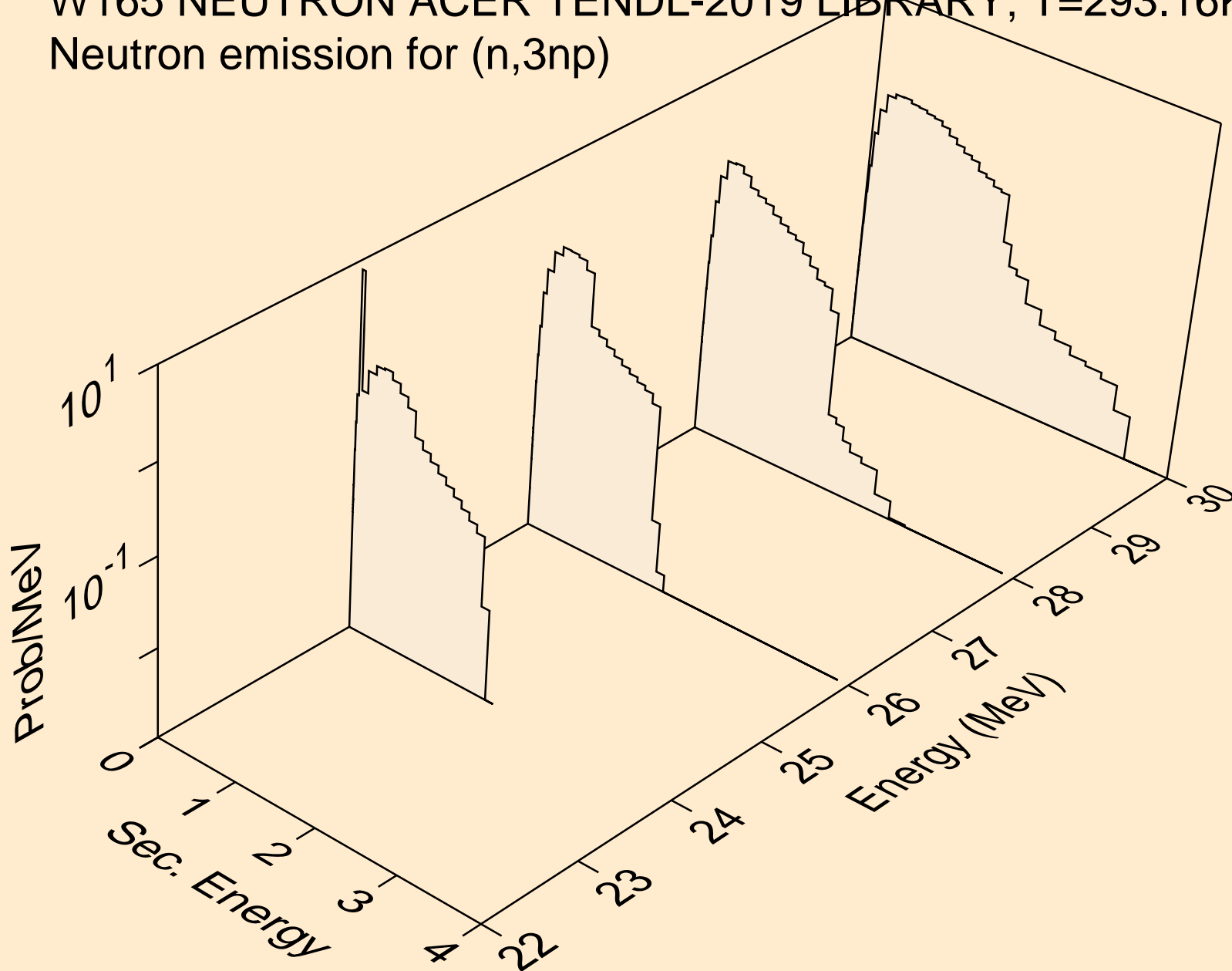


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

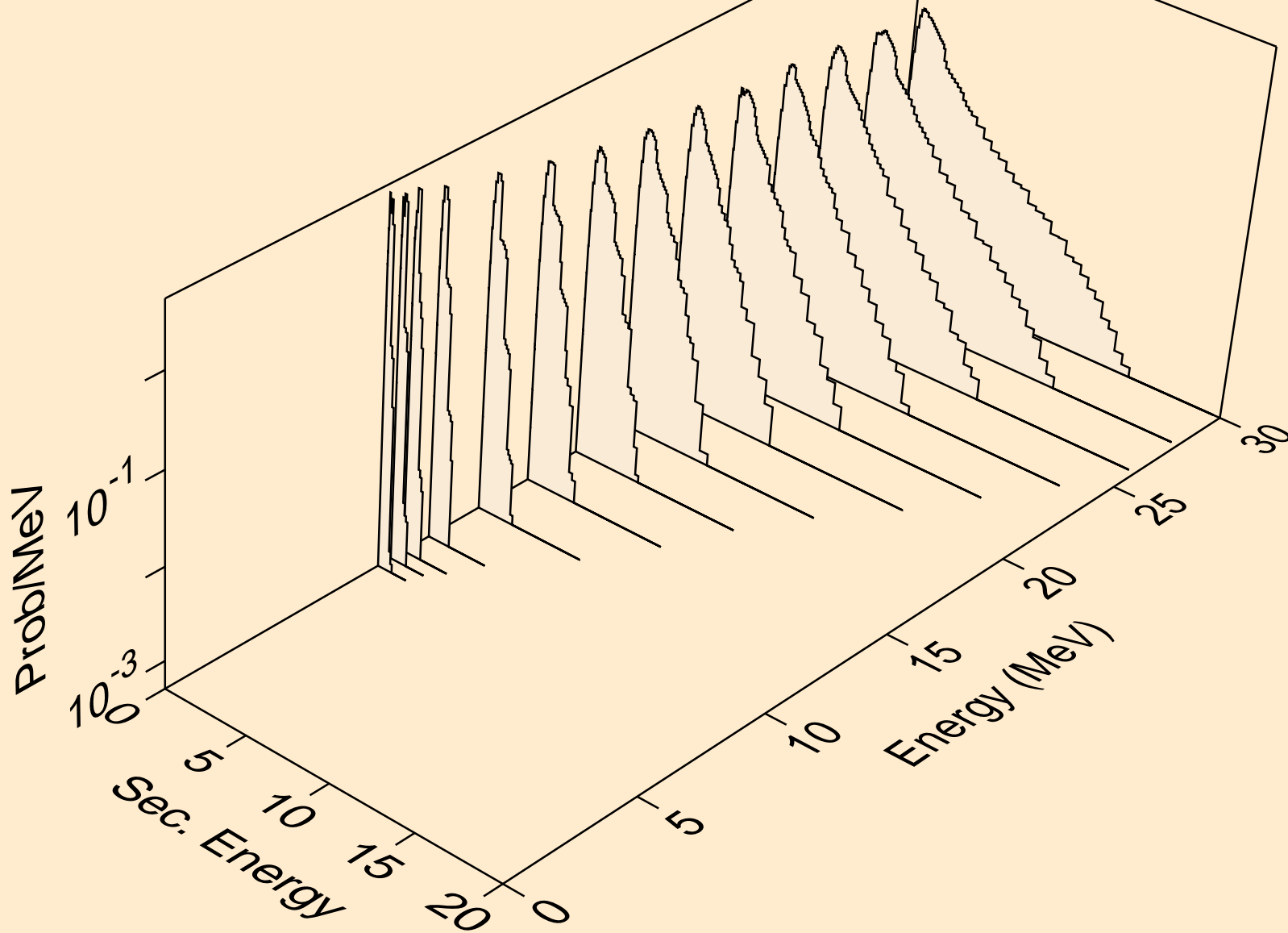




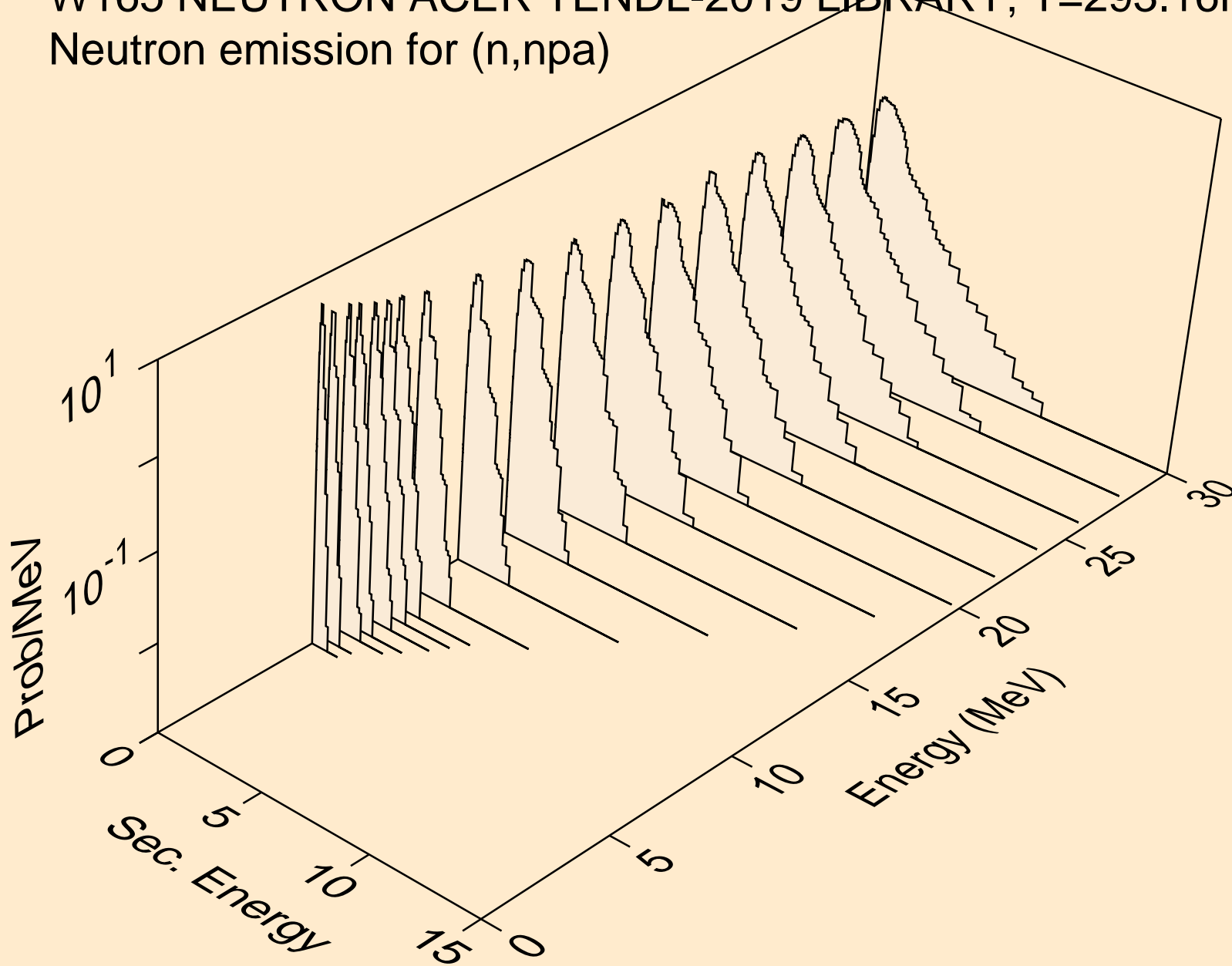
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



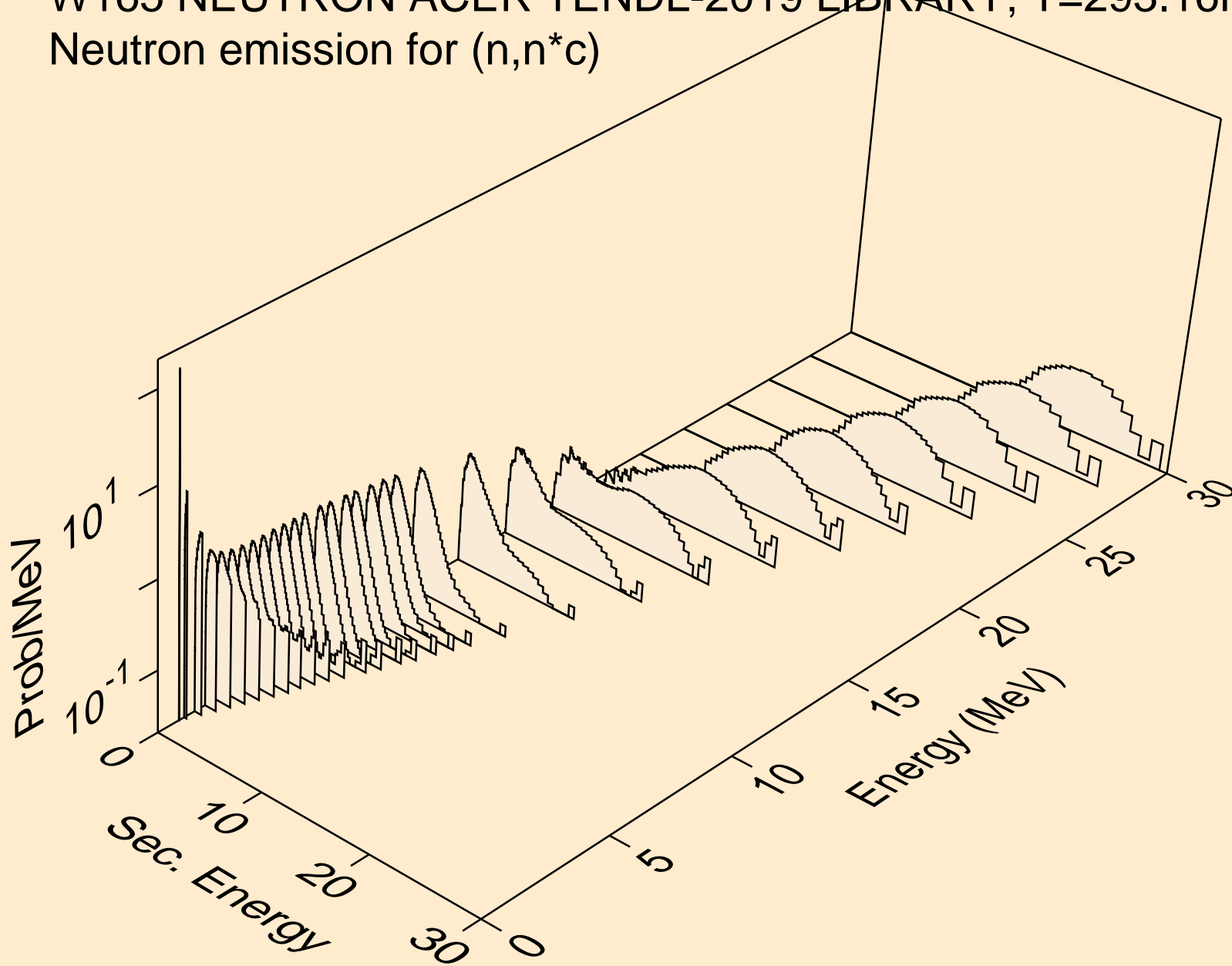
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



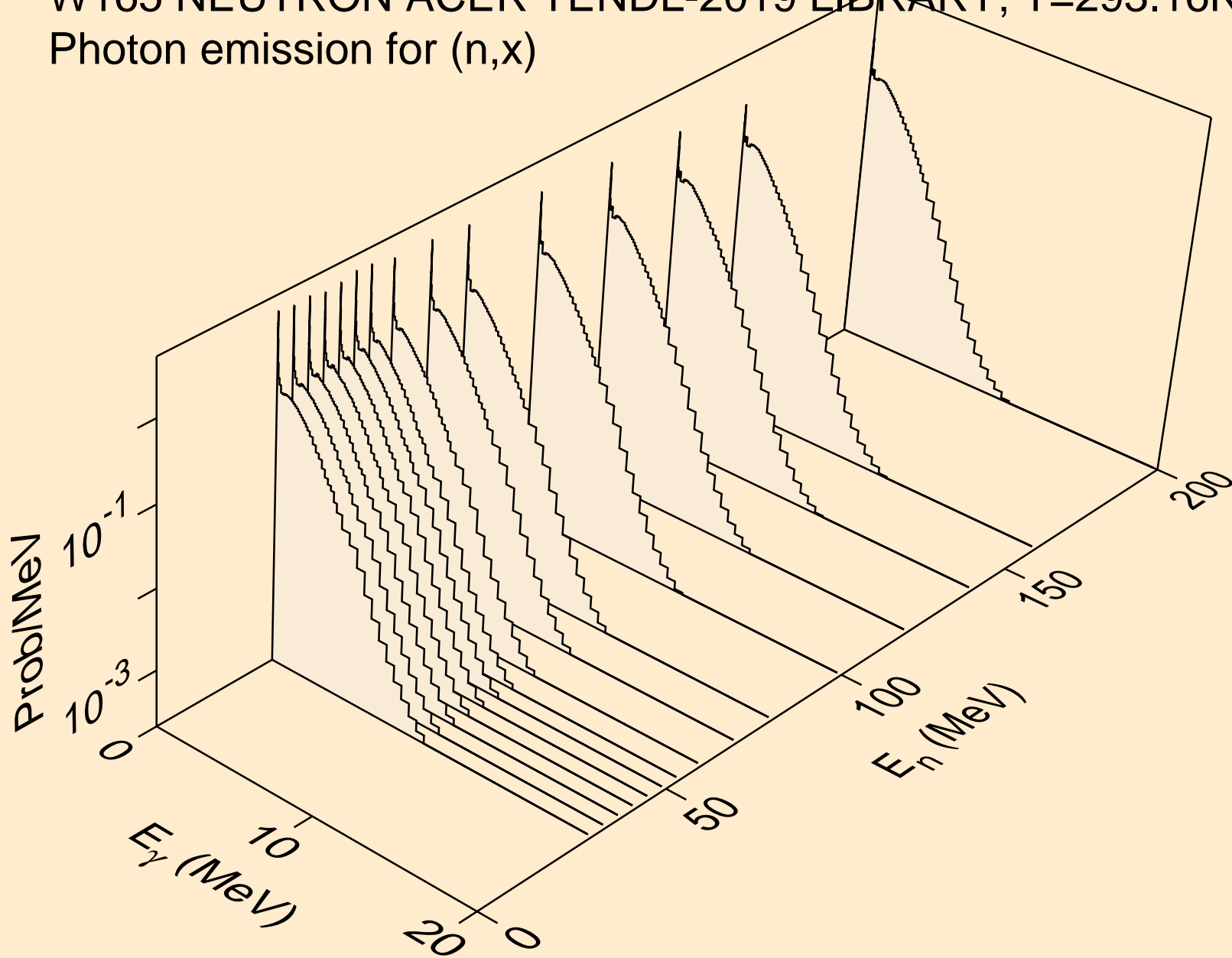
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



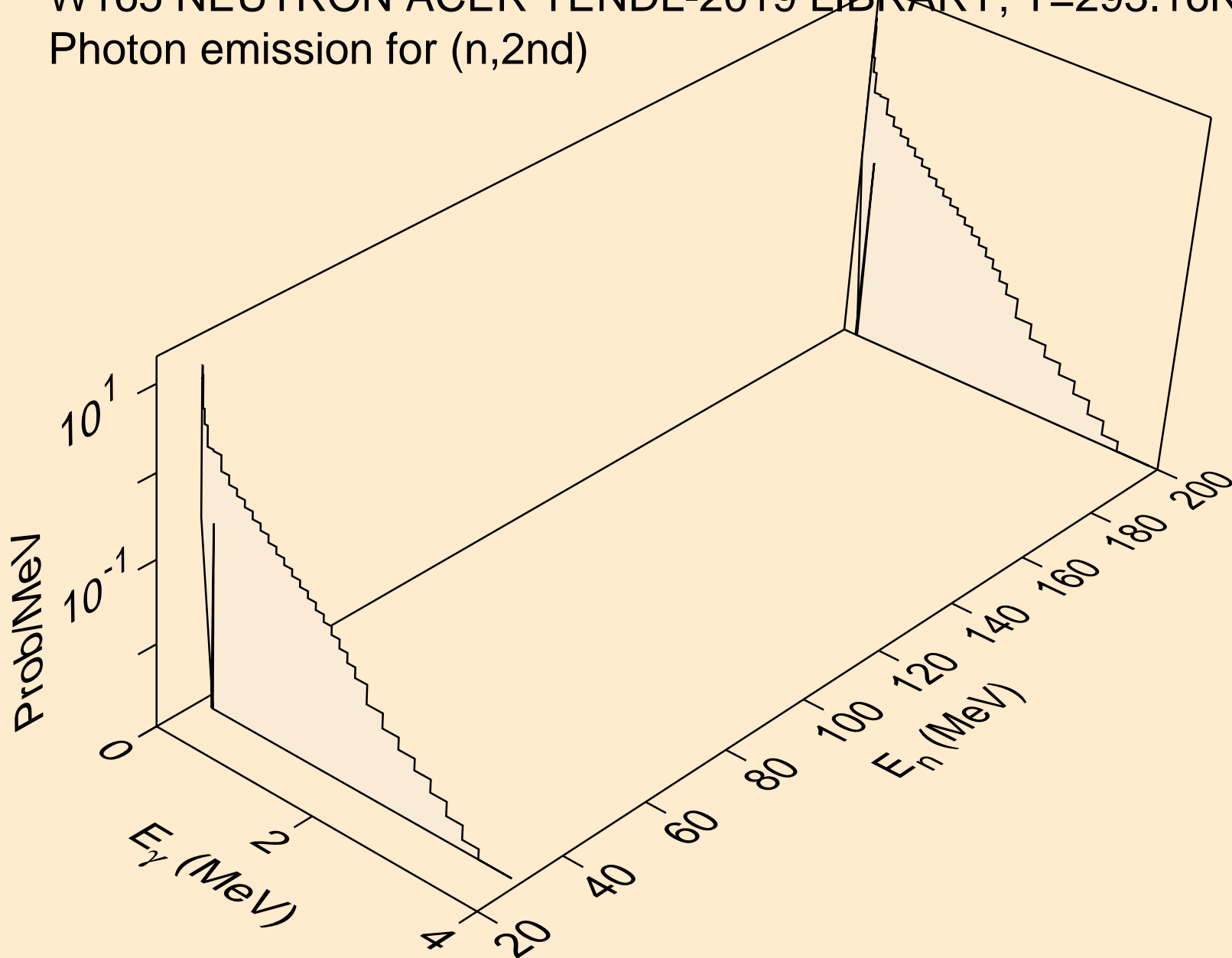
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



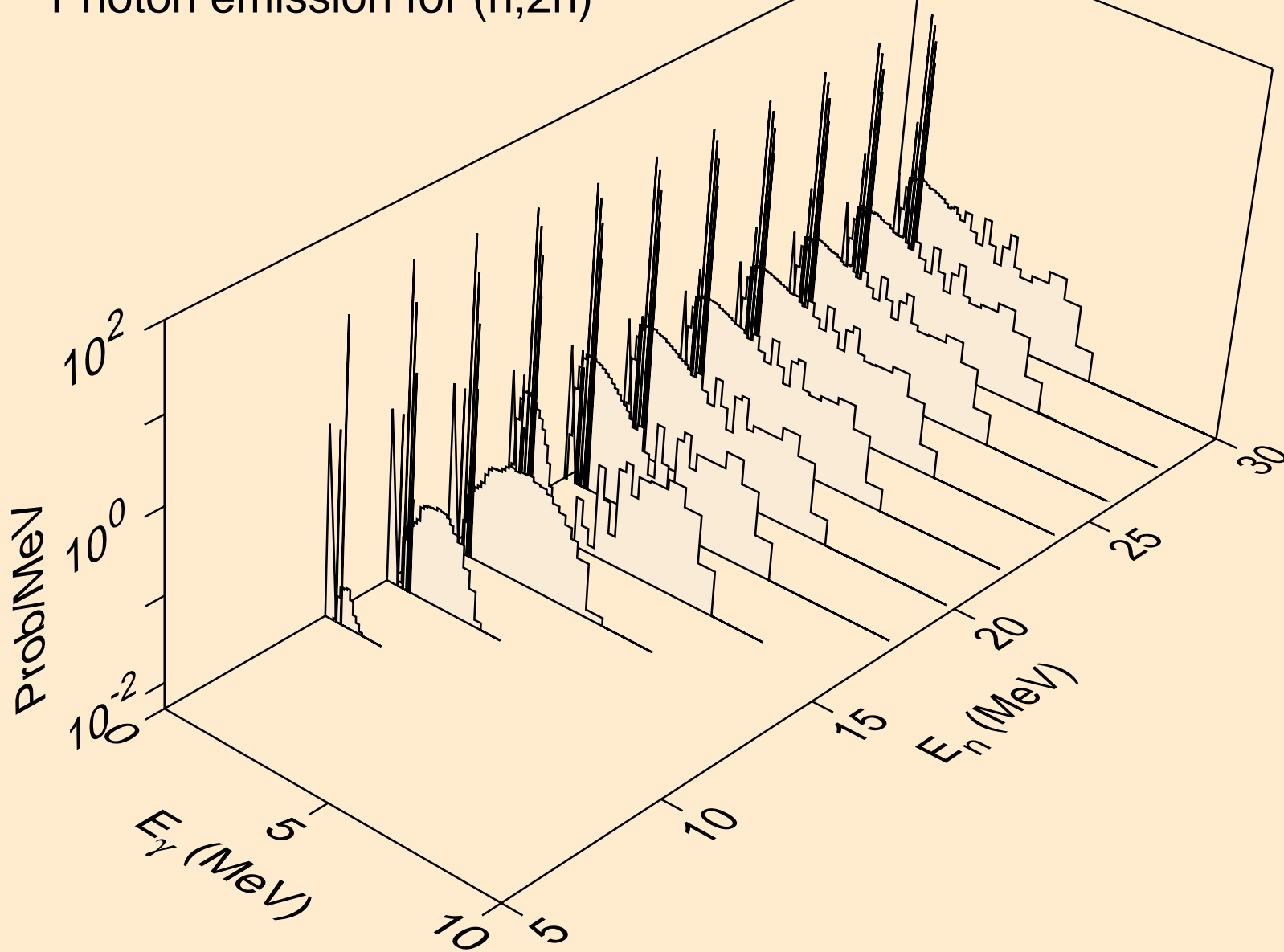
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



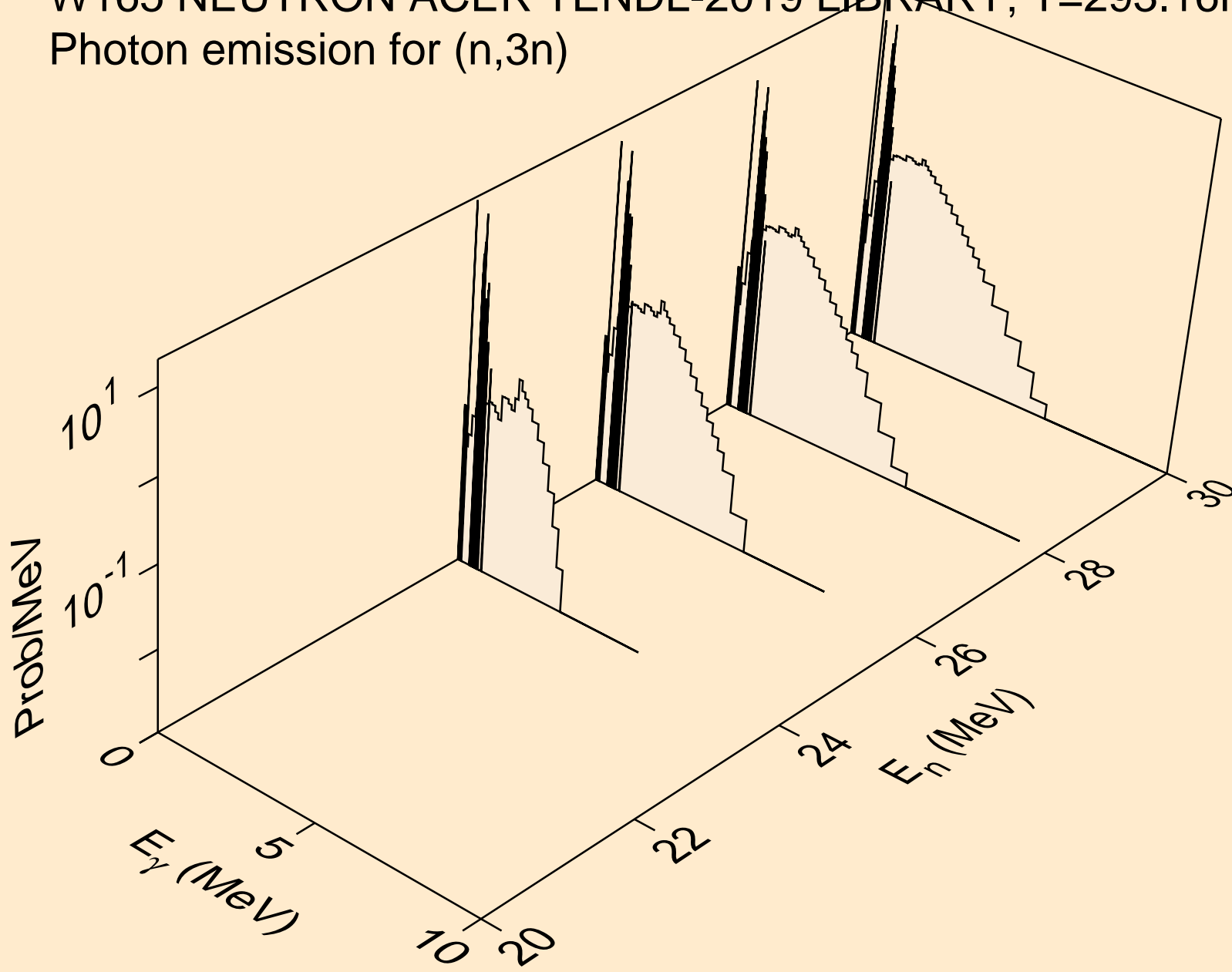
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

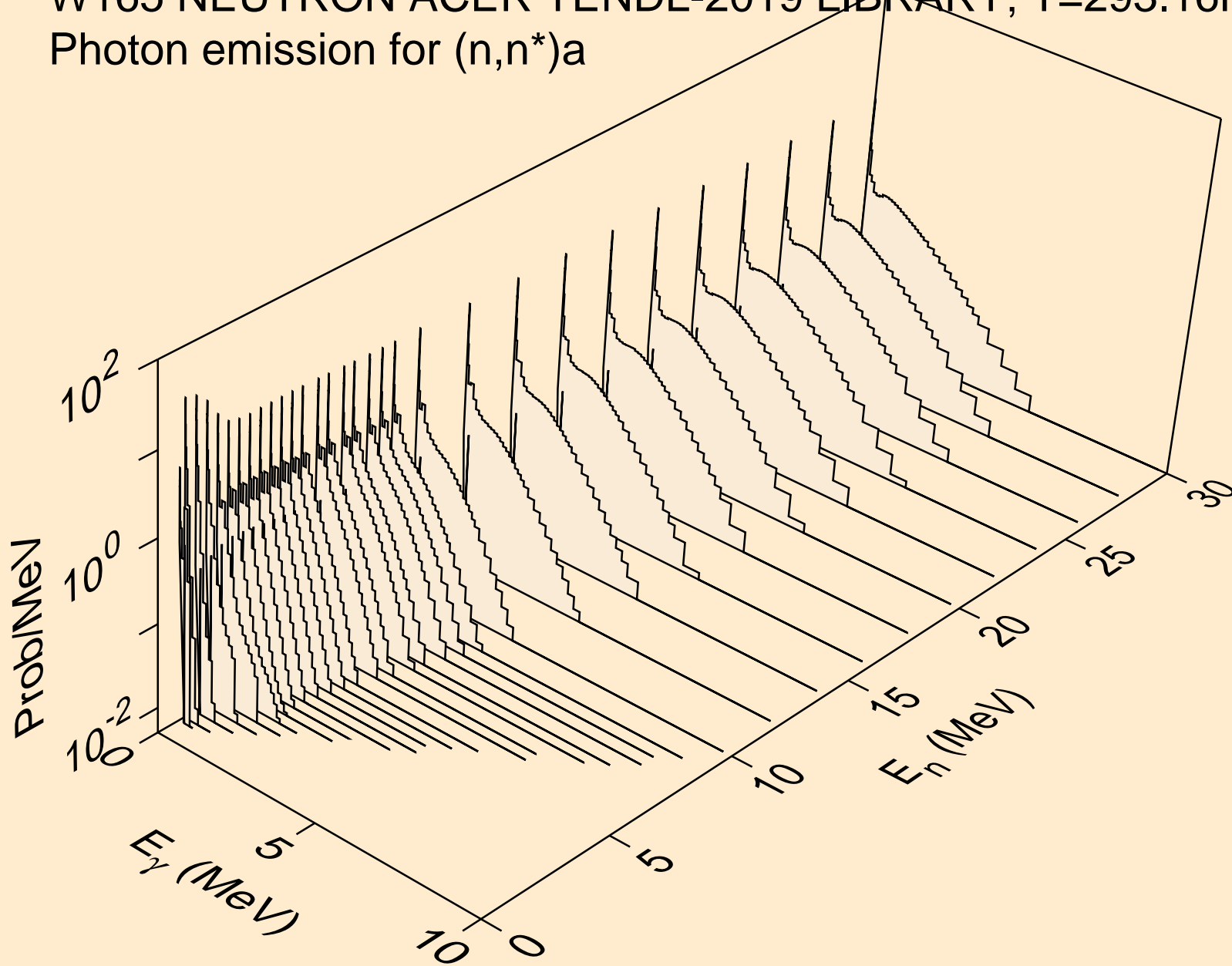


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

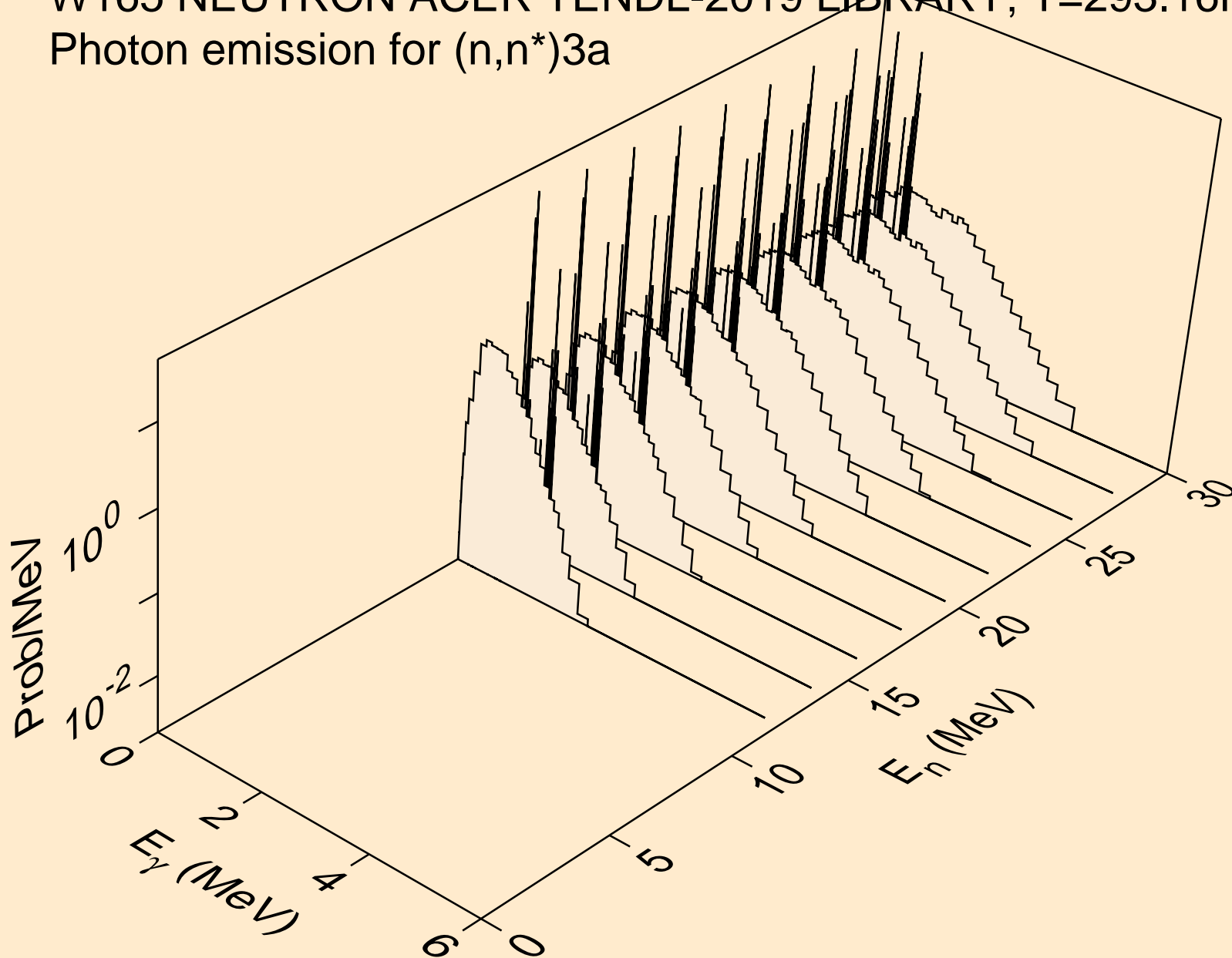




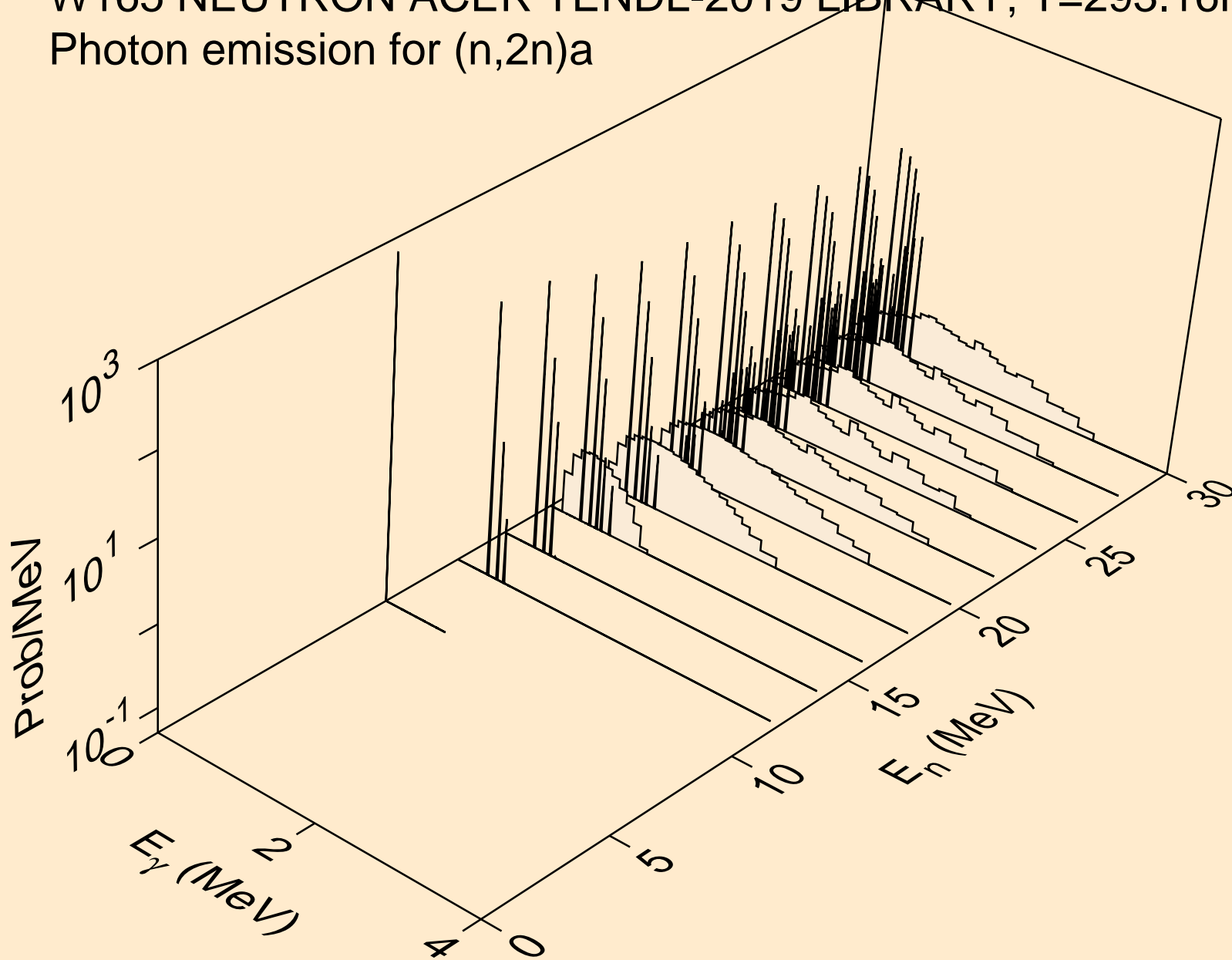
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



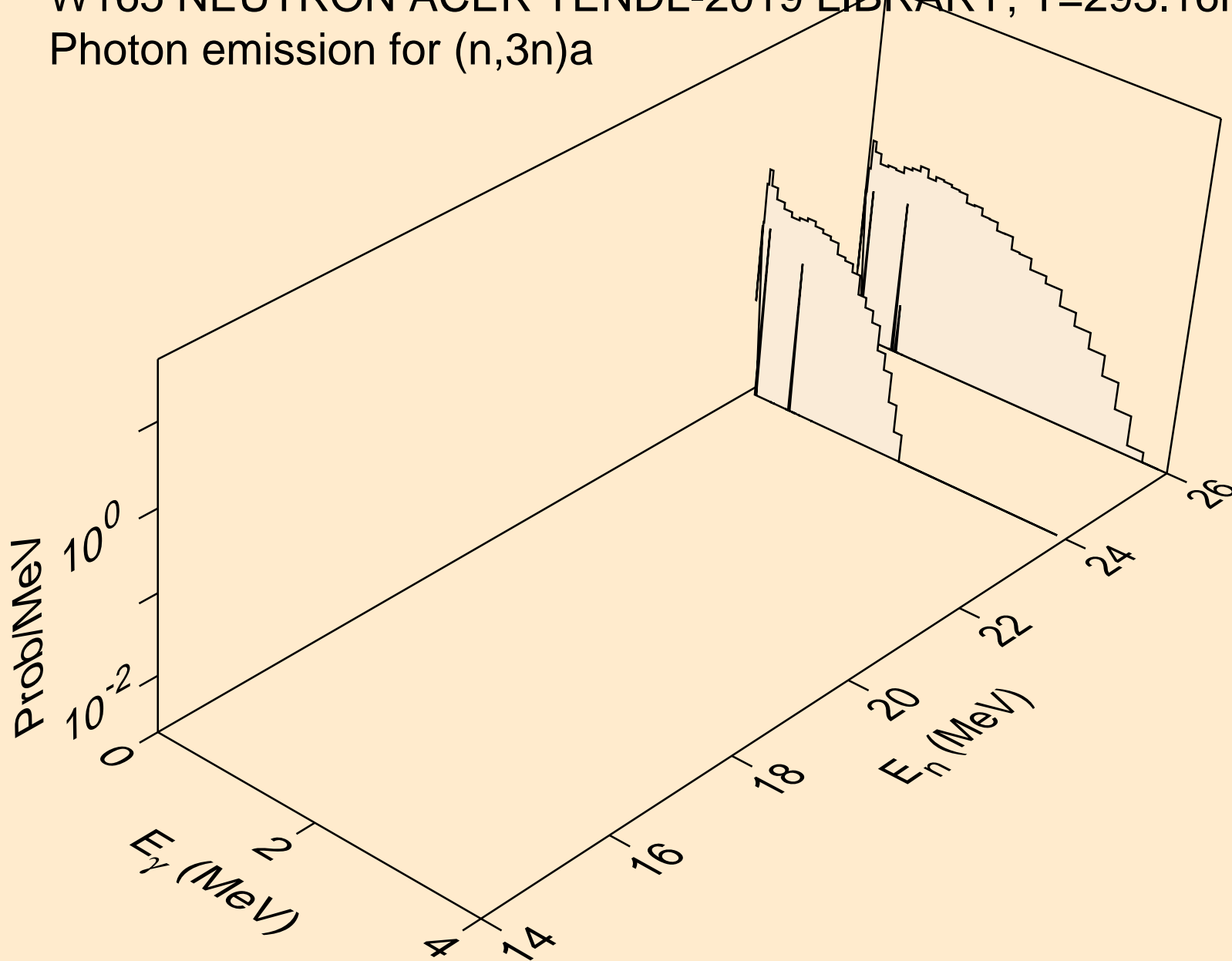
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a



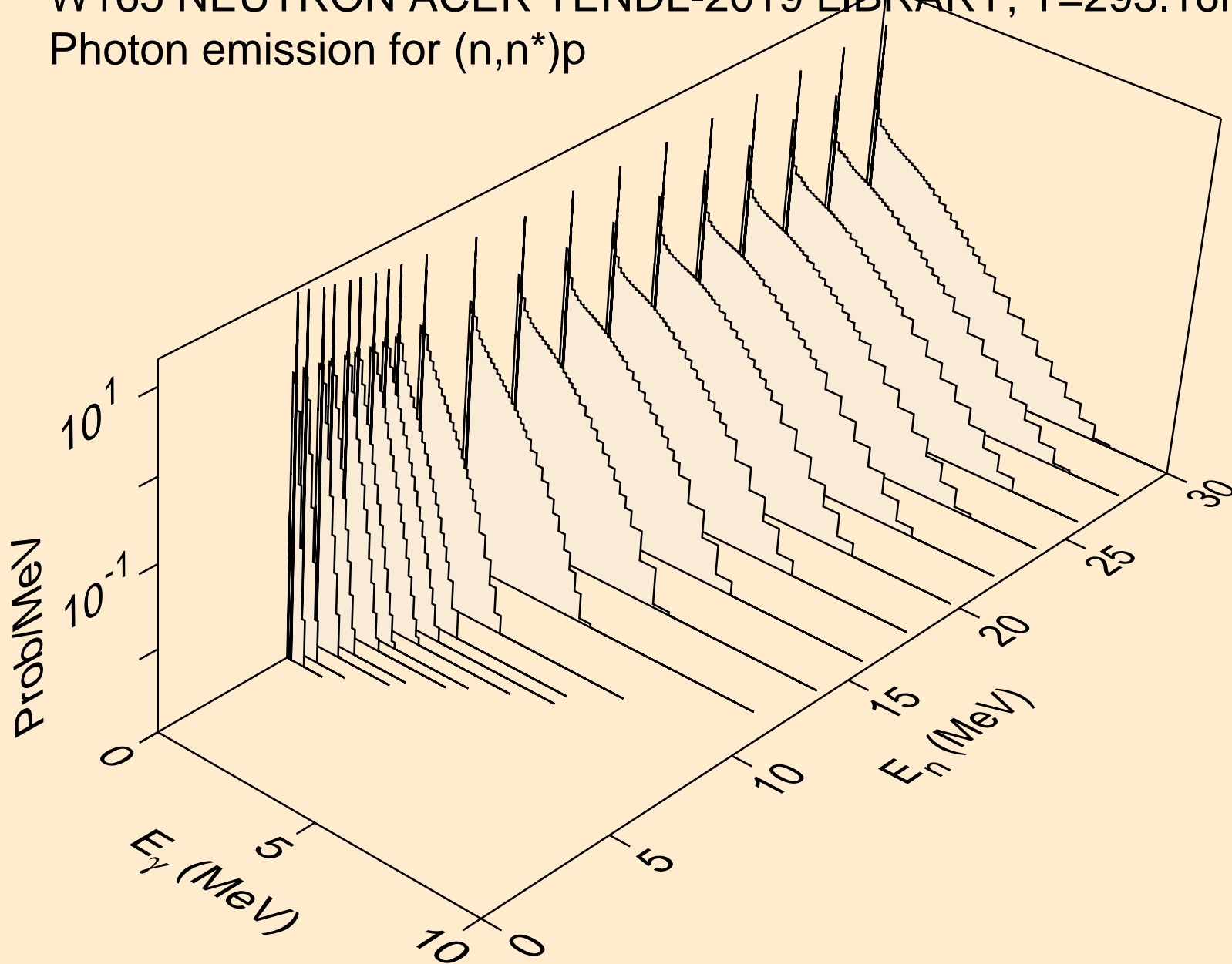
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



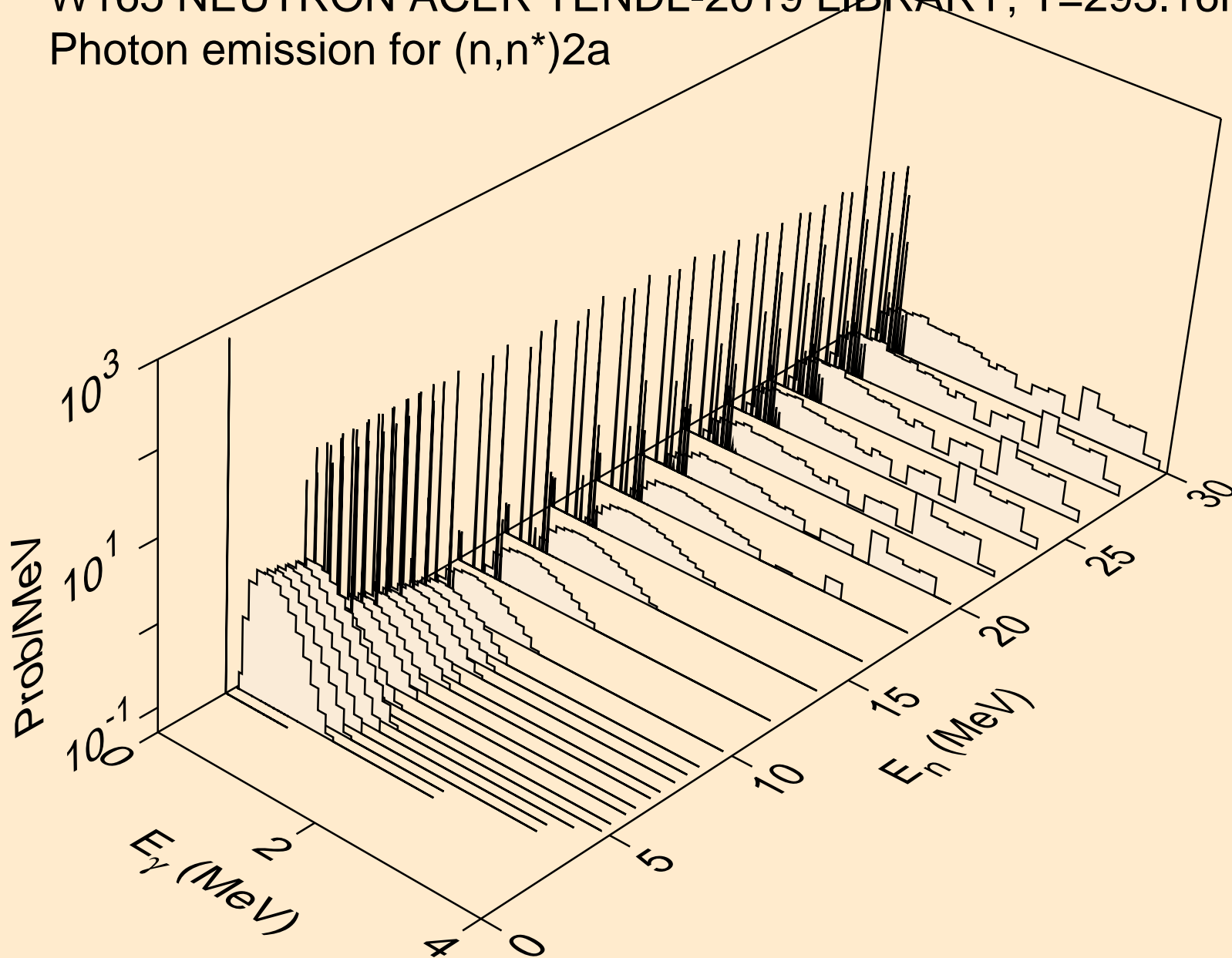
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



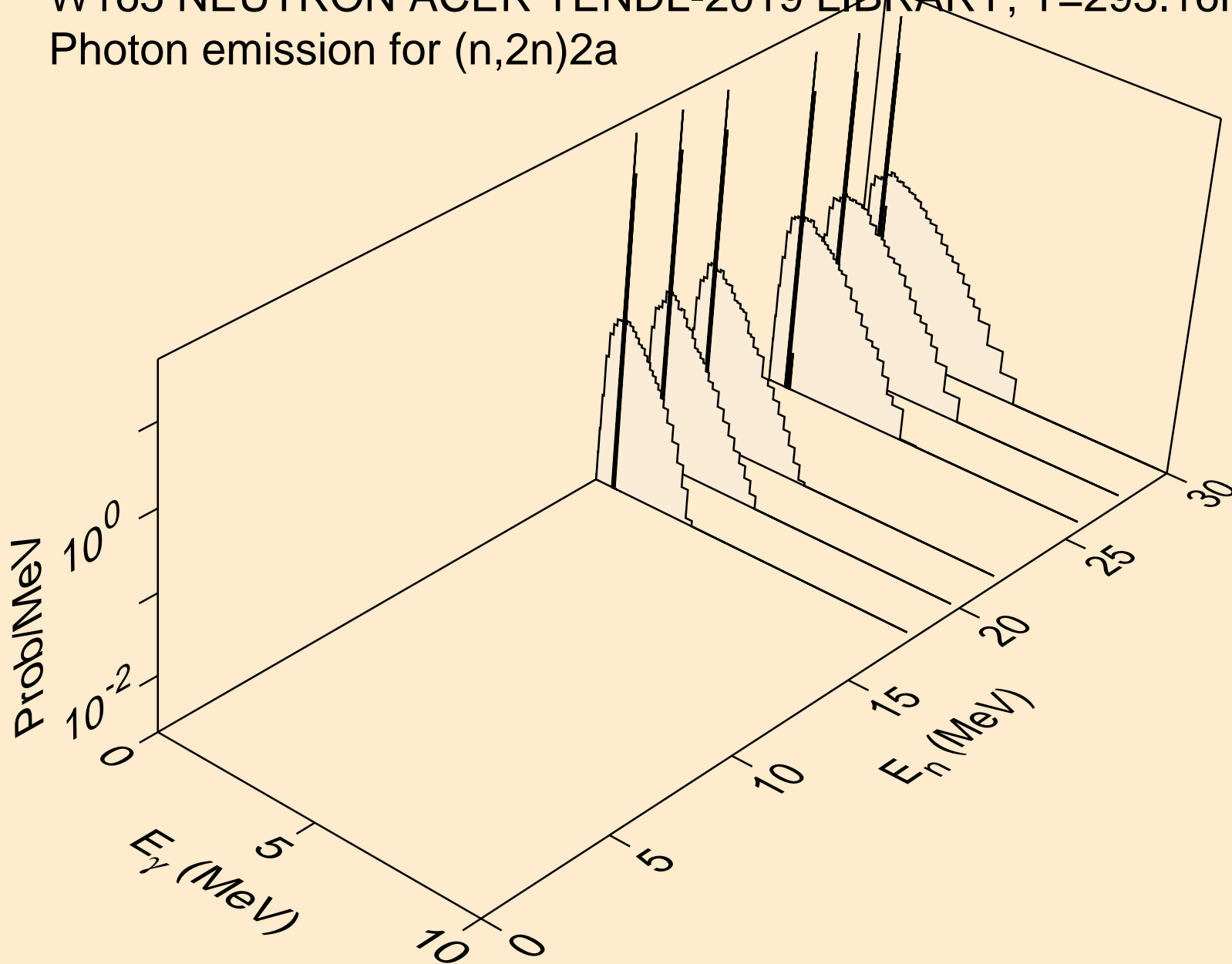
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



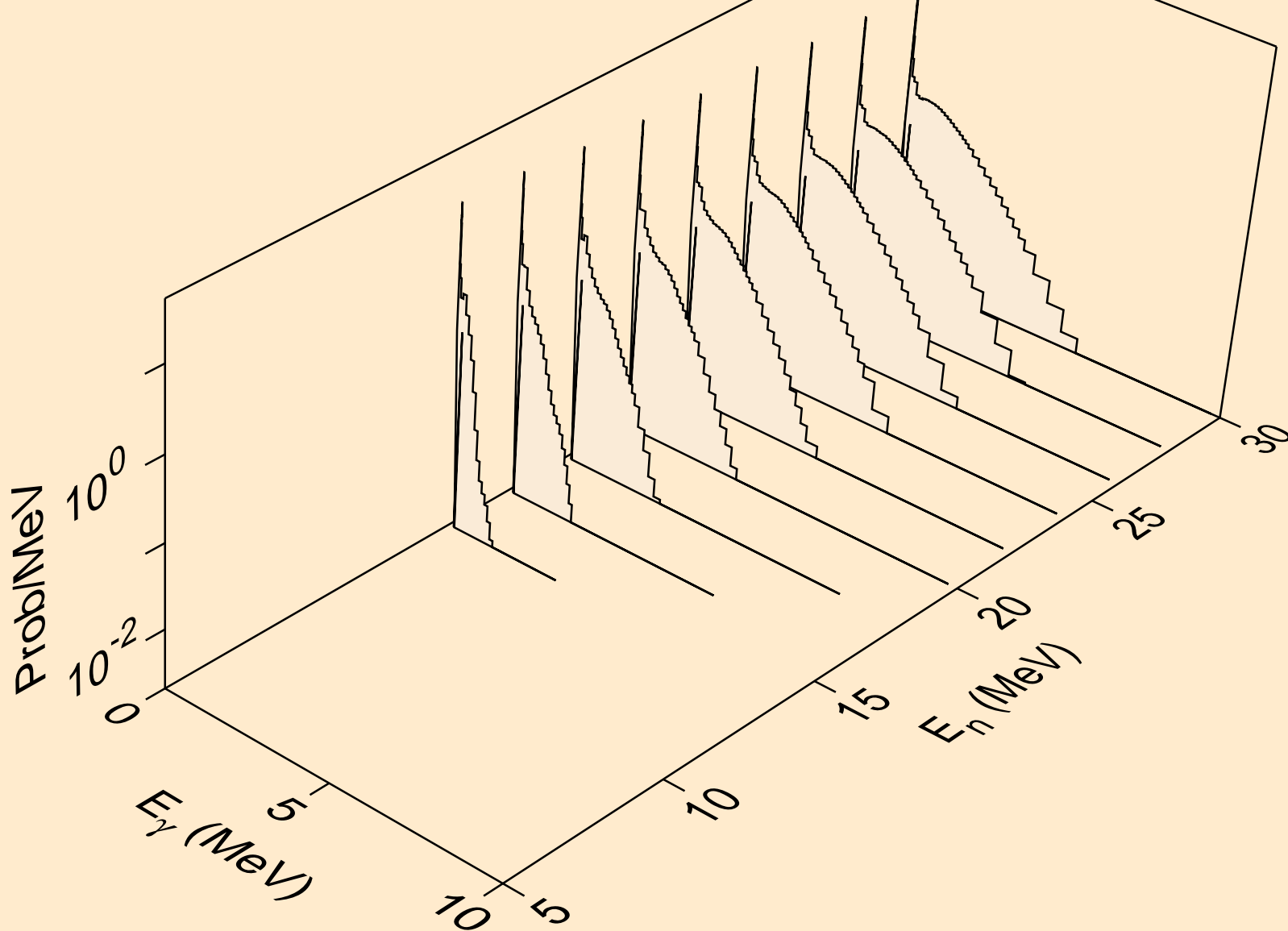
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a

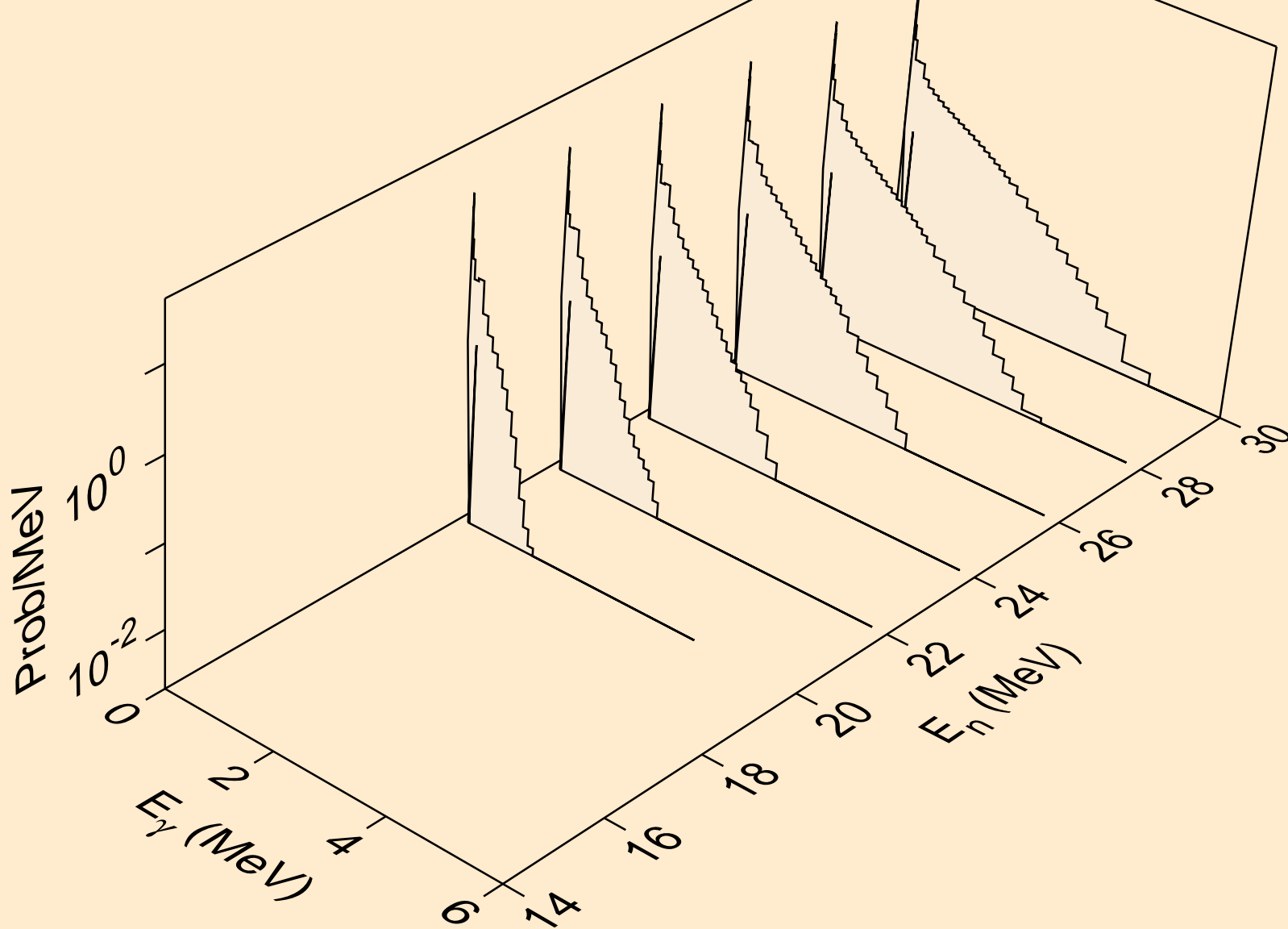


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

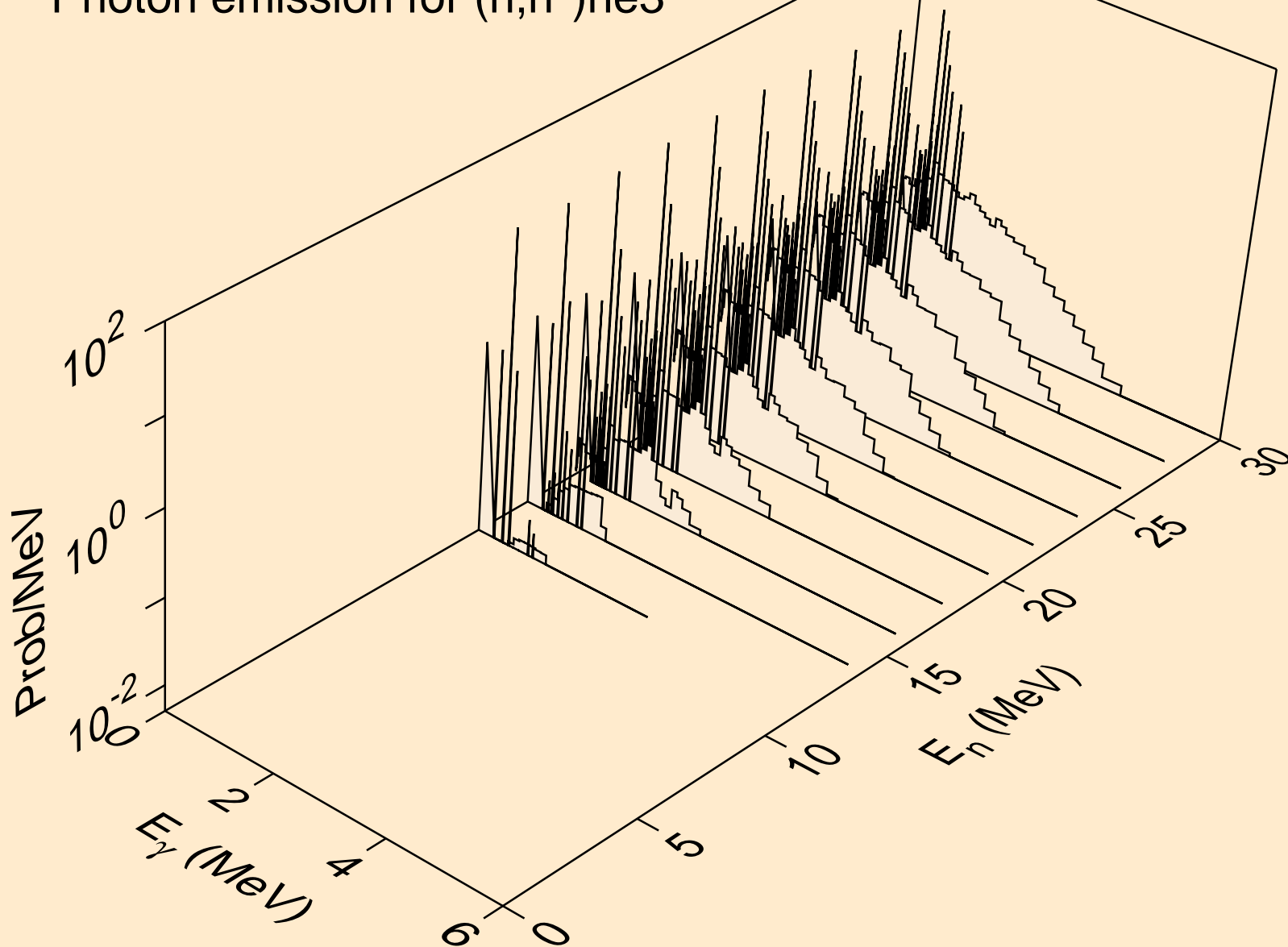




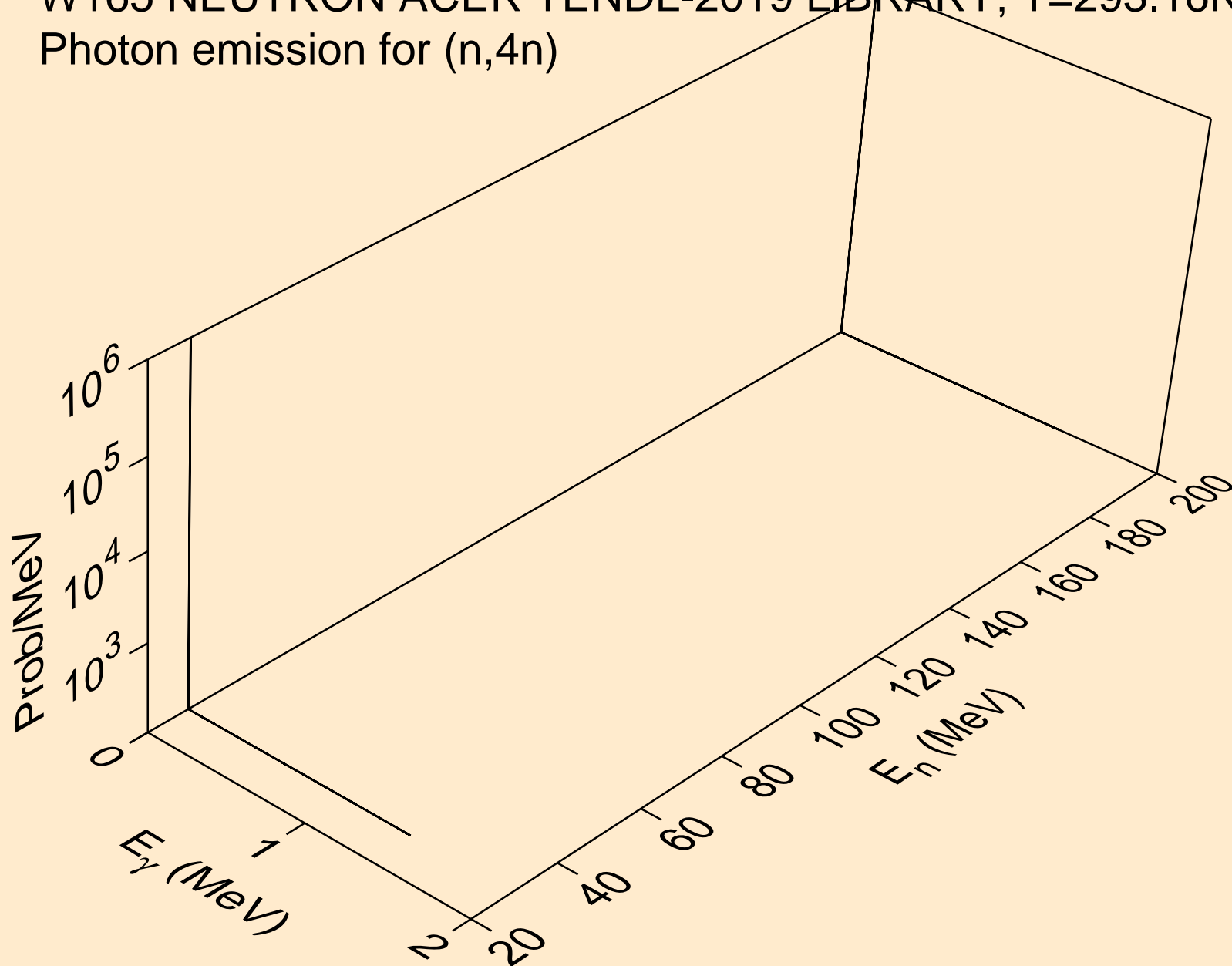
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



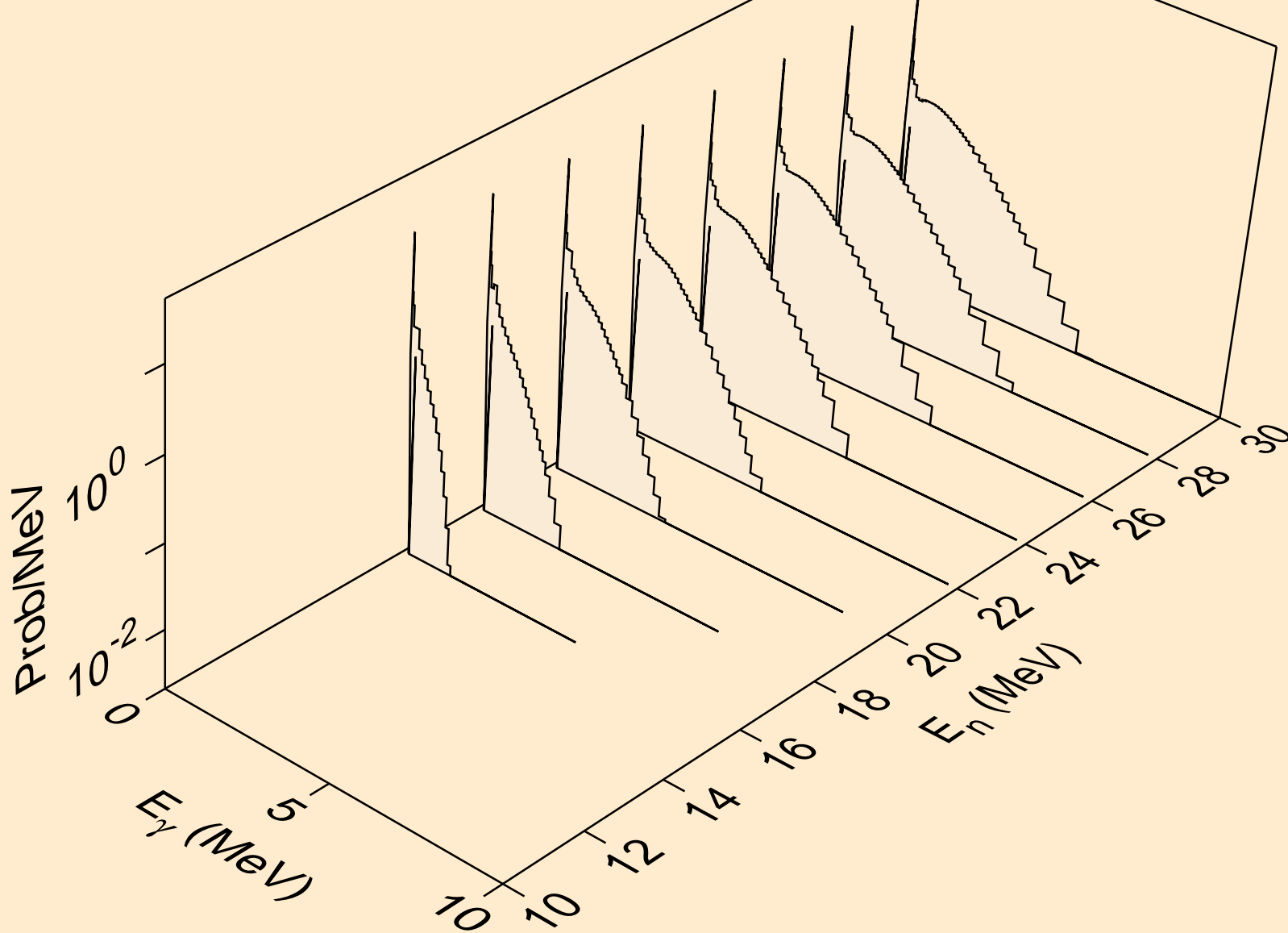
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



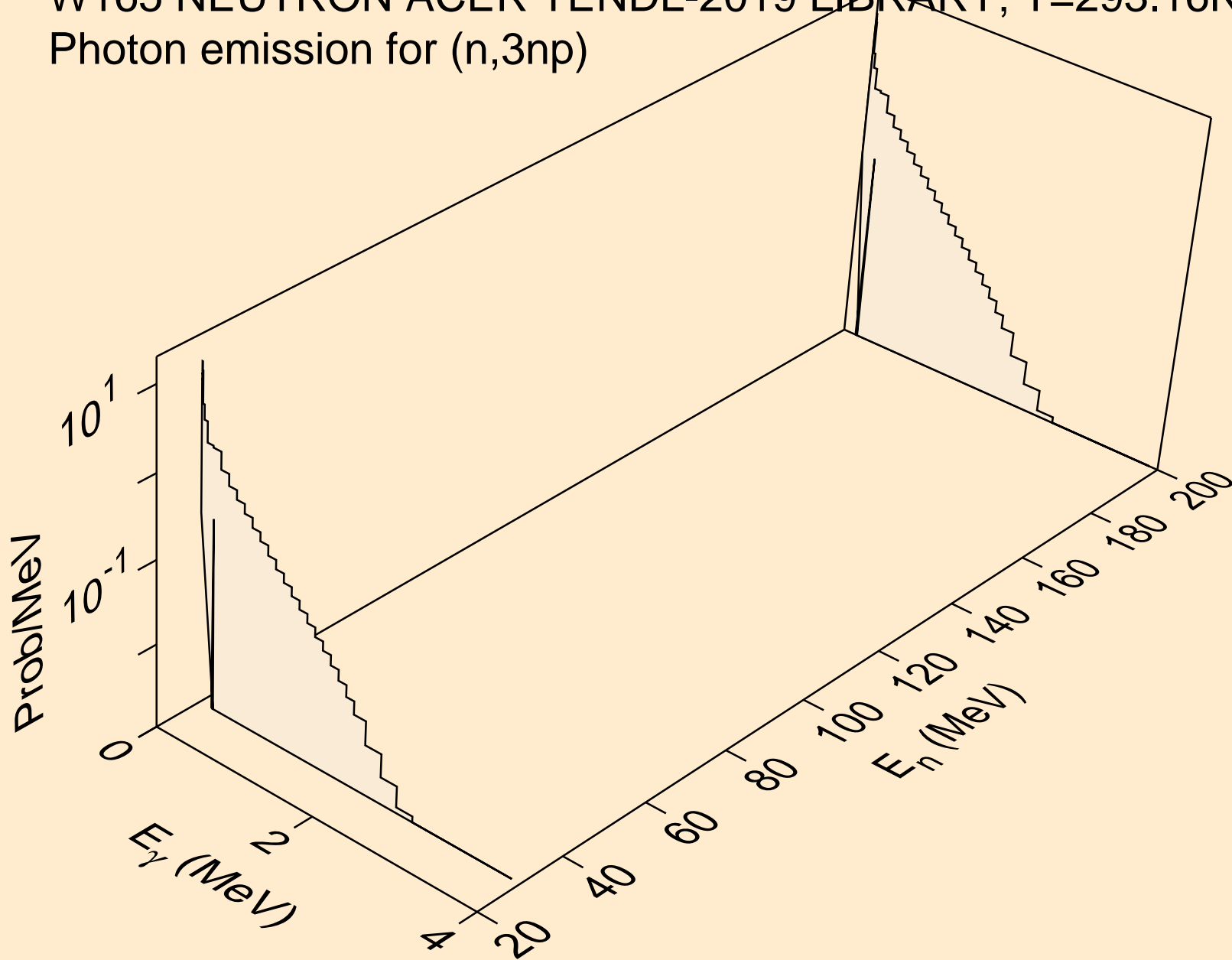
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



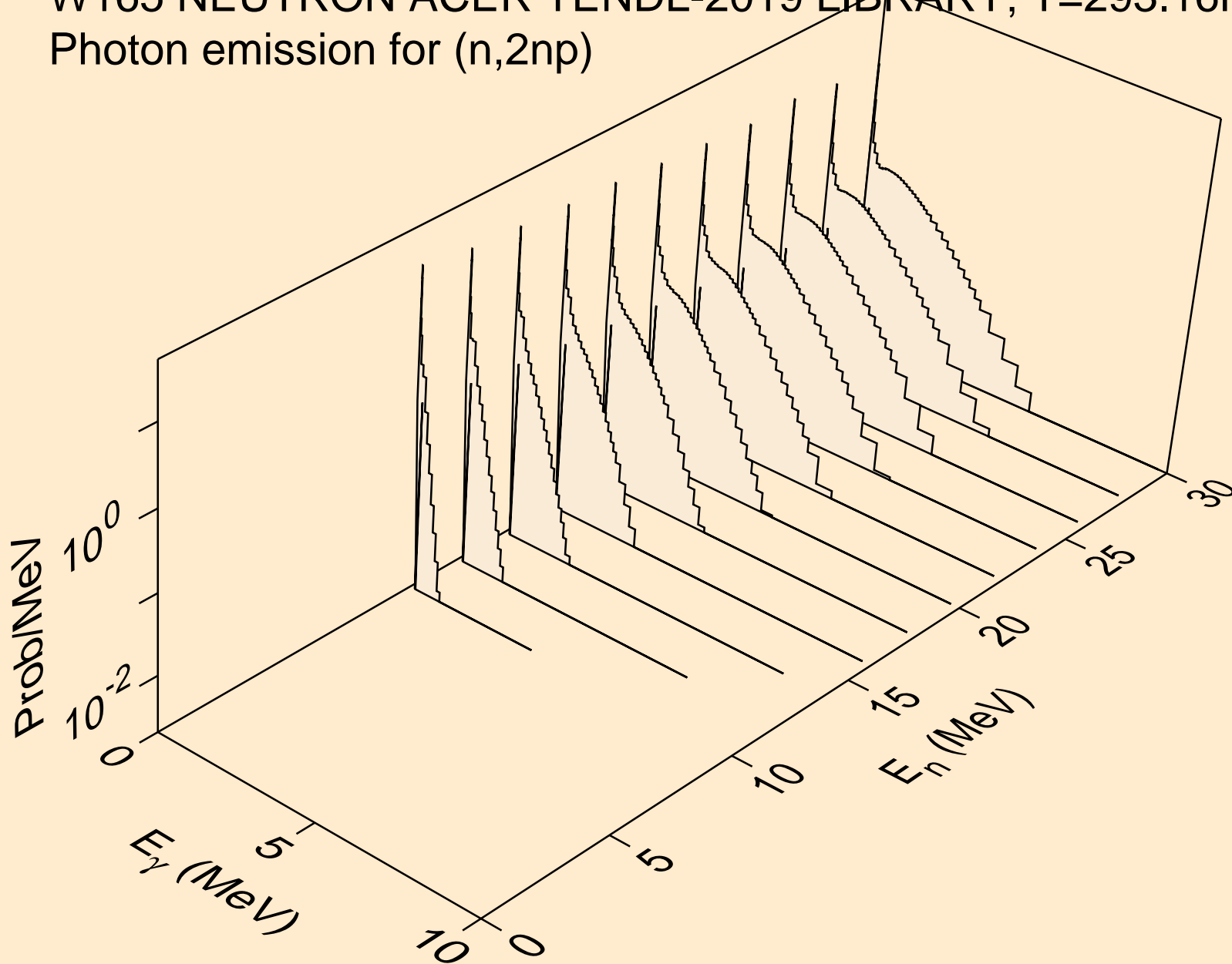
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



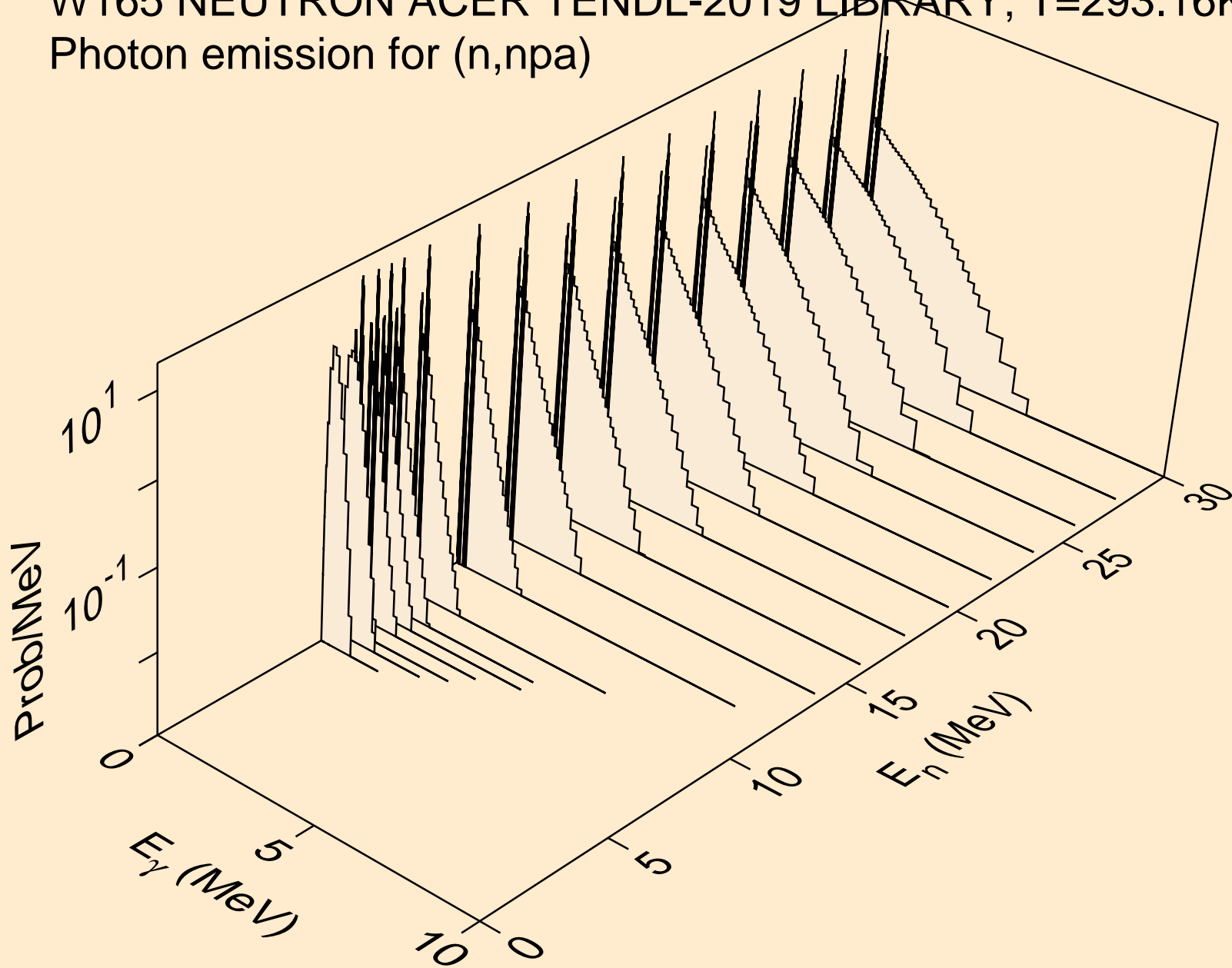
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Photon emission for (n,3np)



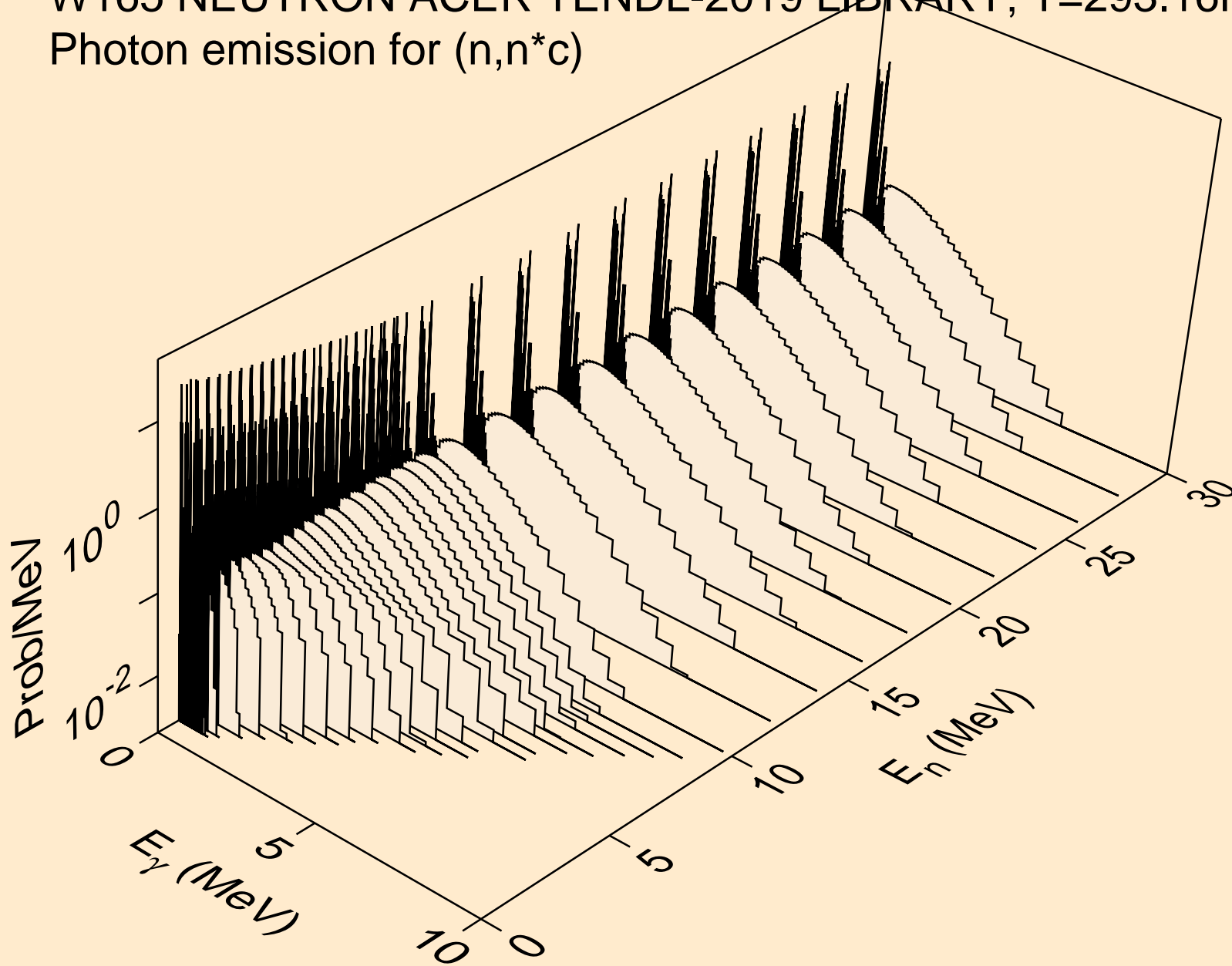
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

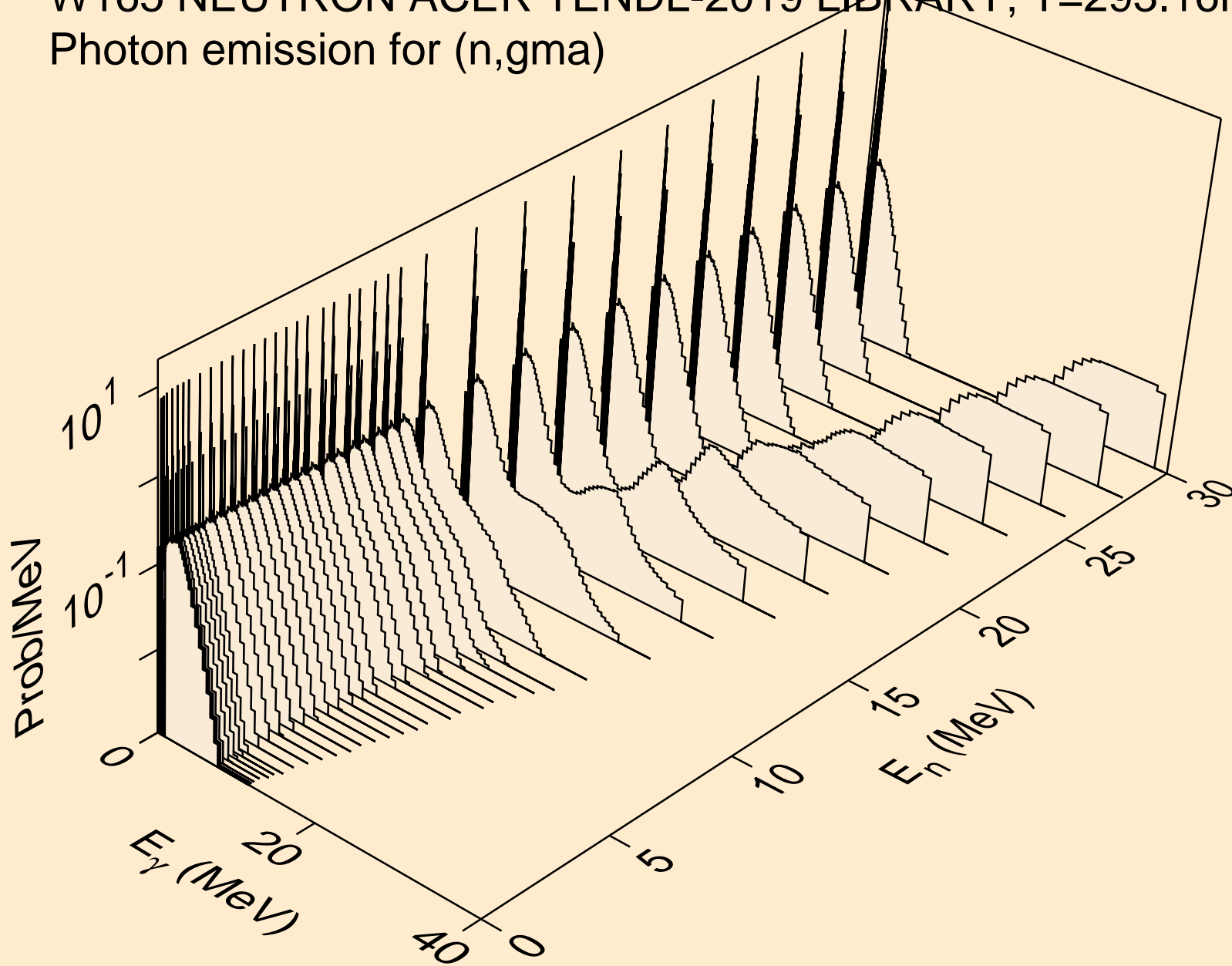


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

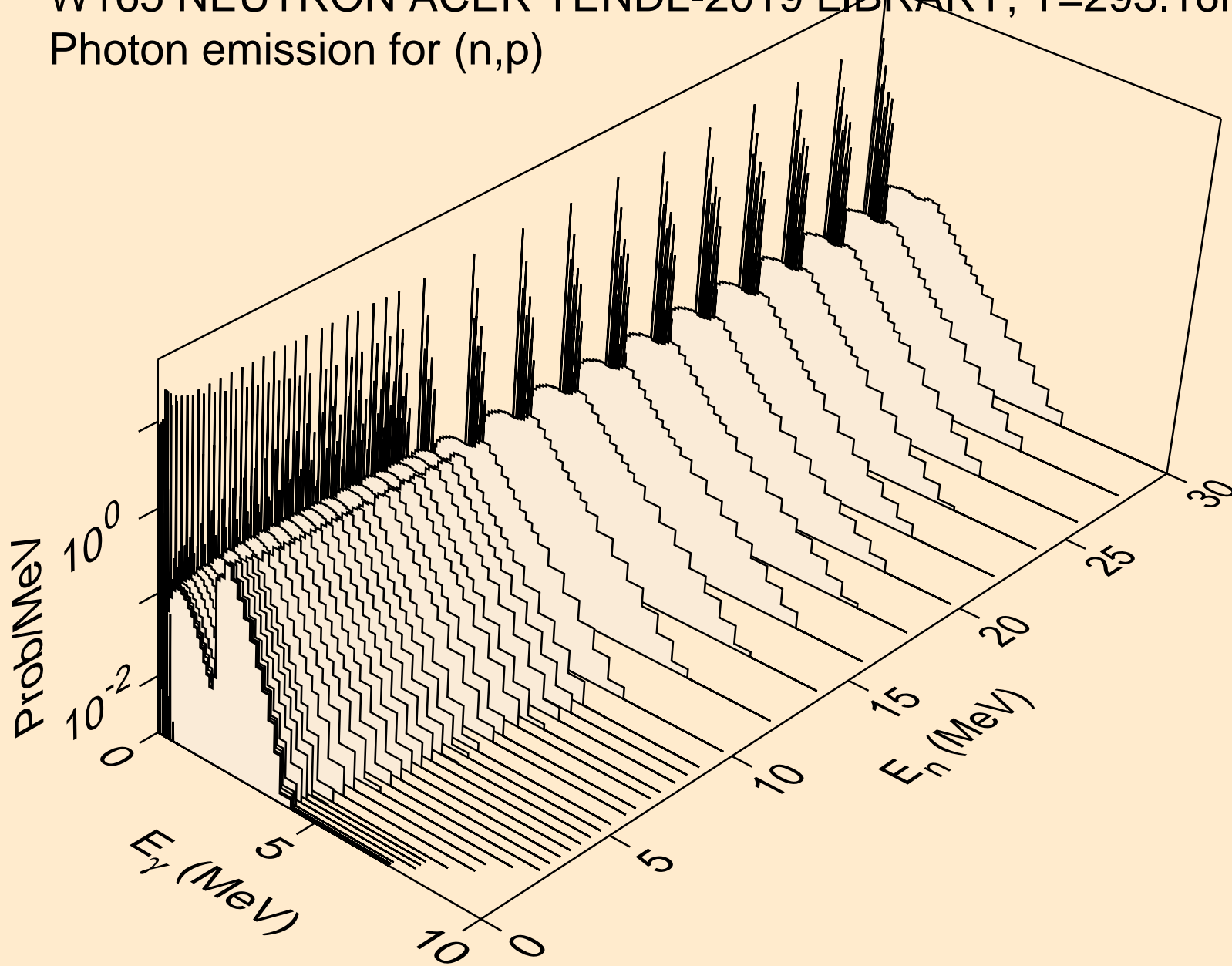




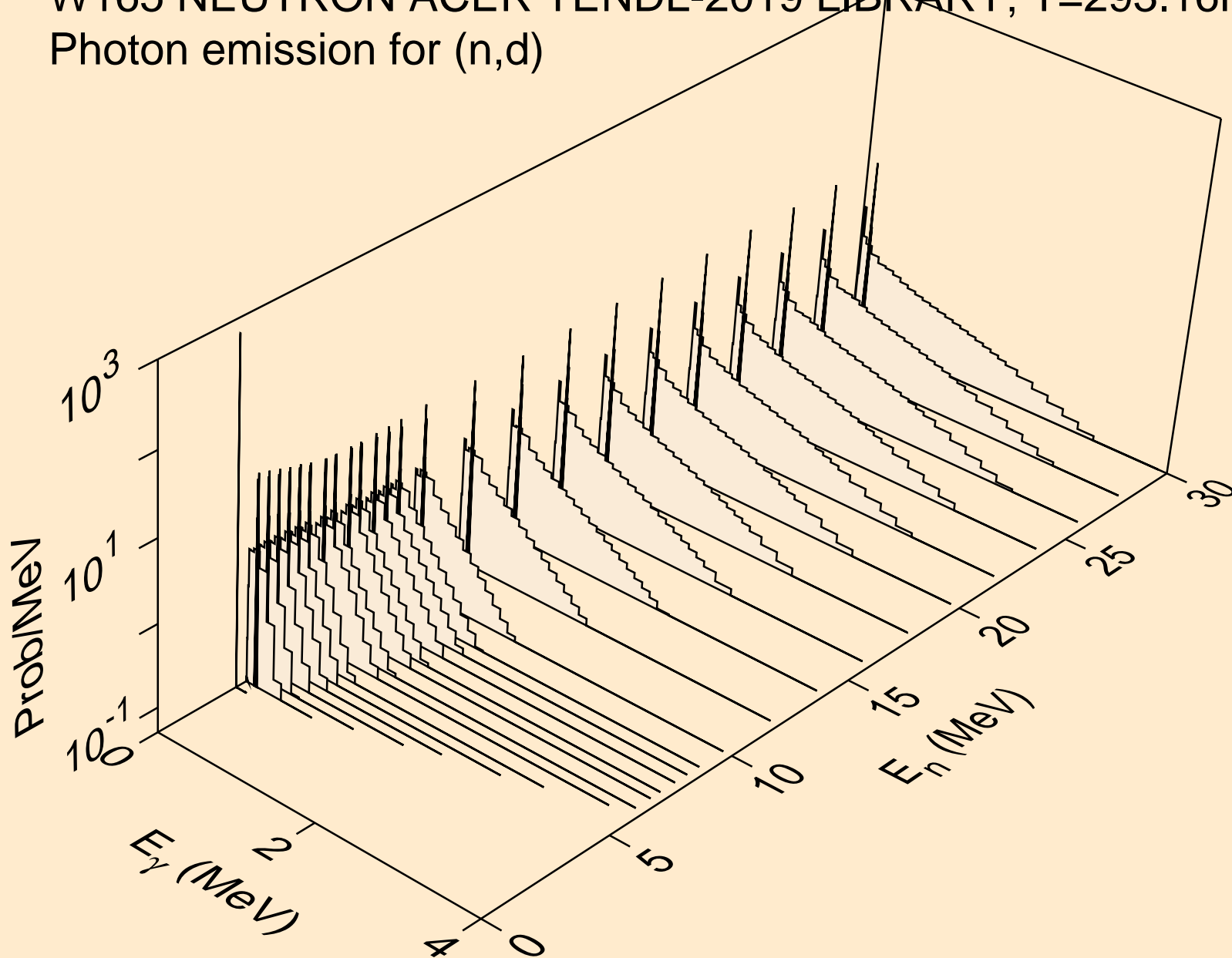
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



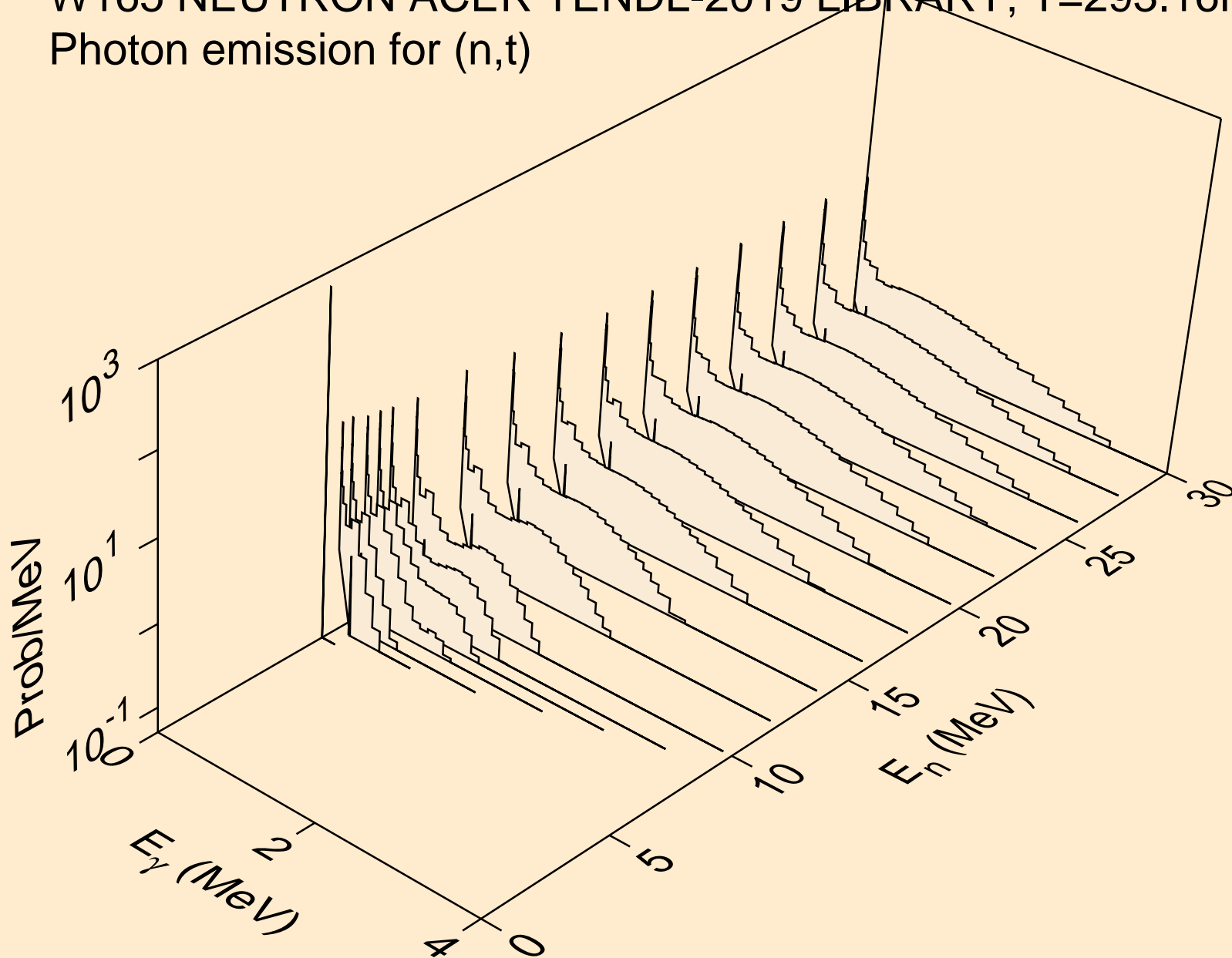
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



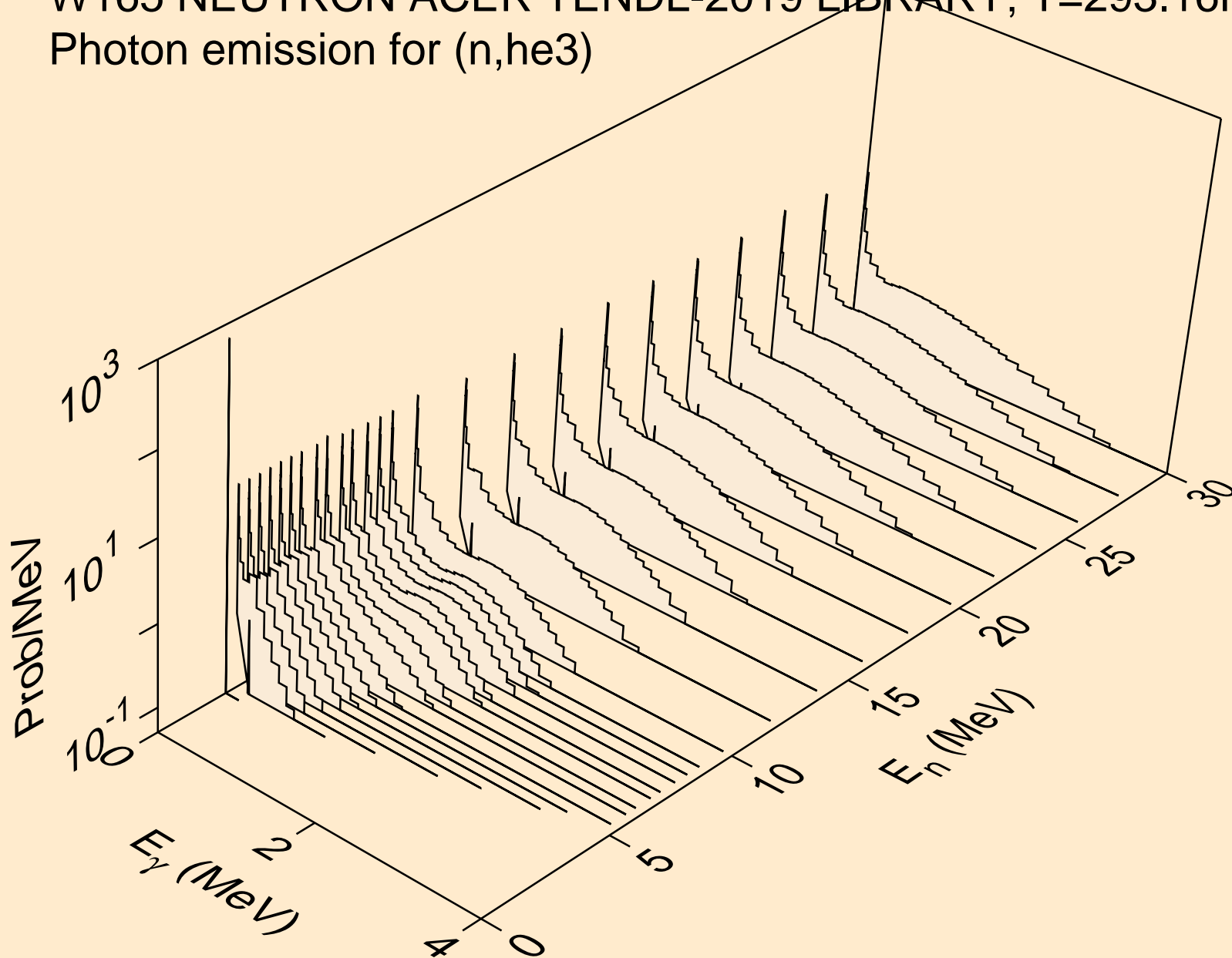
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



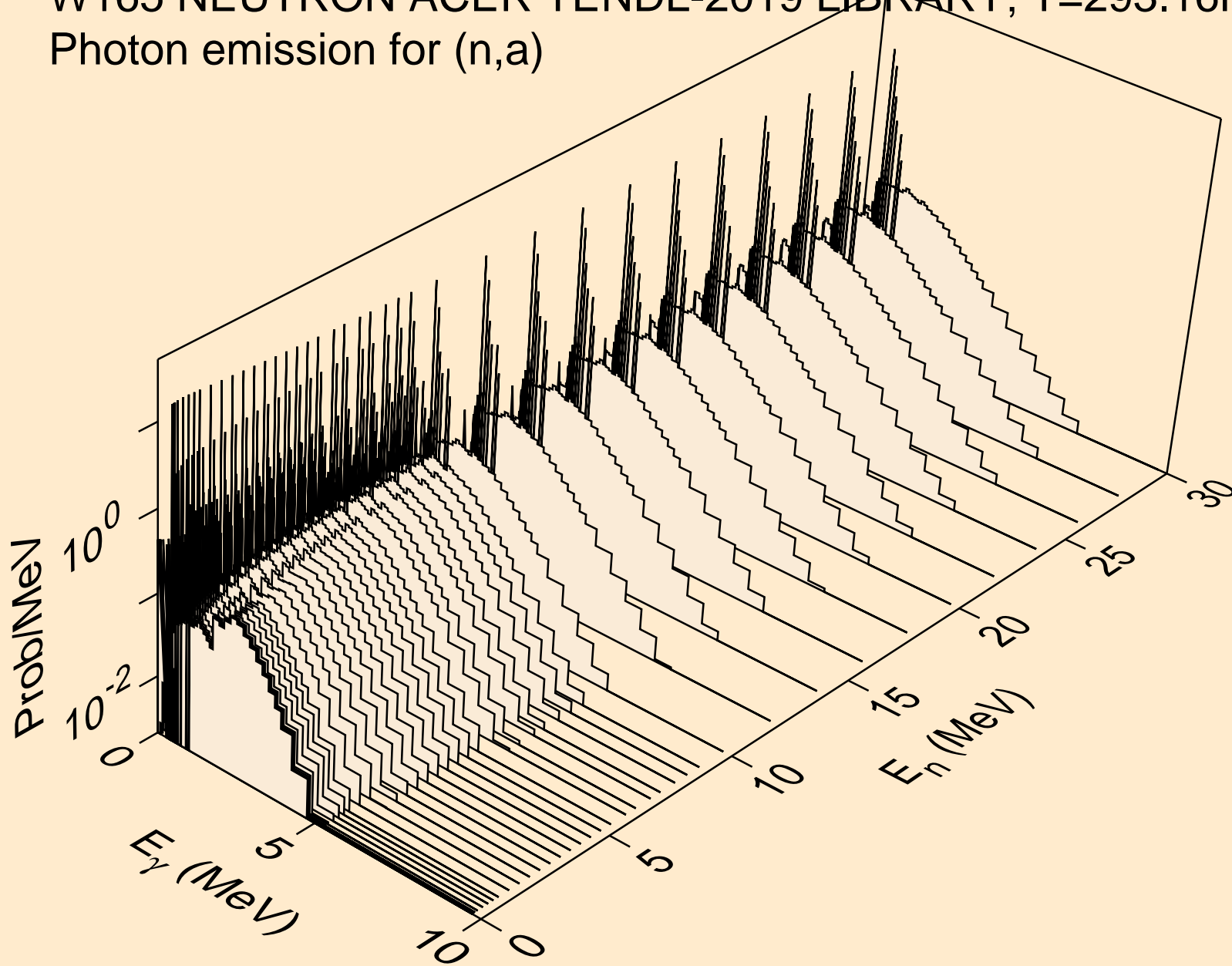
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



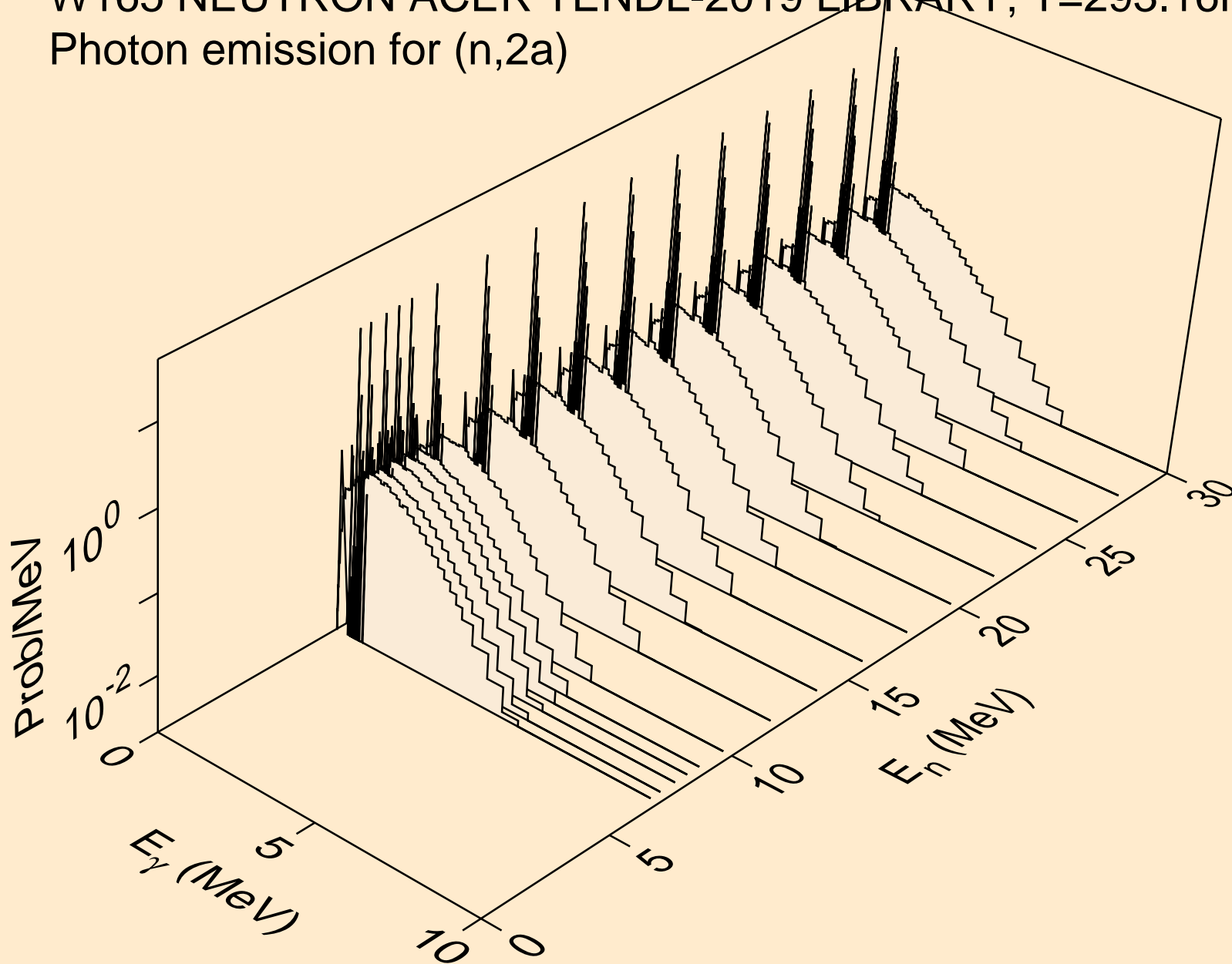
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



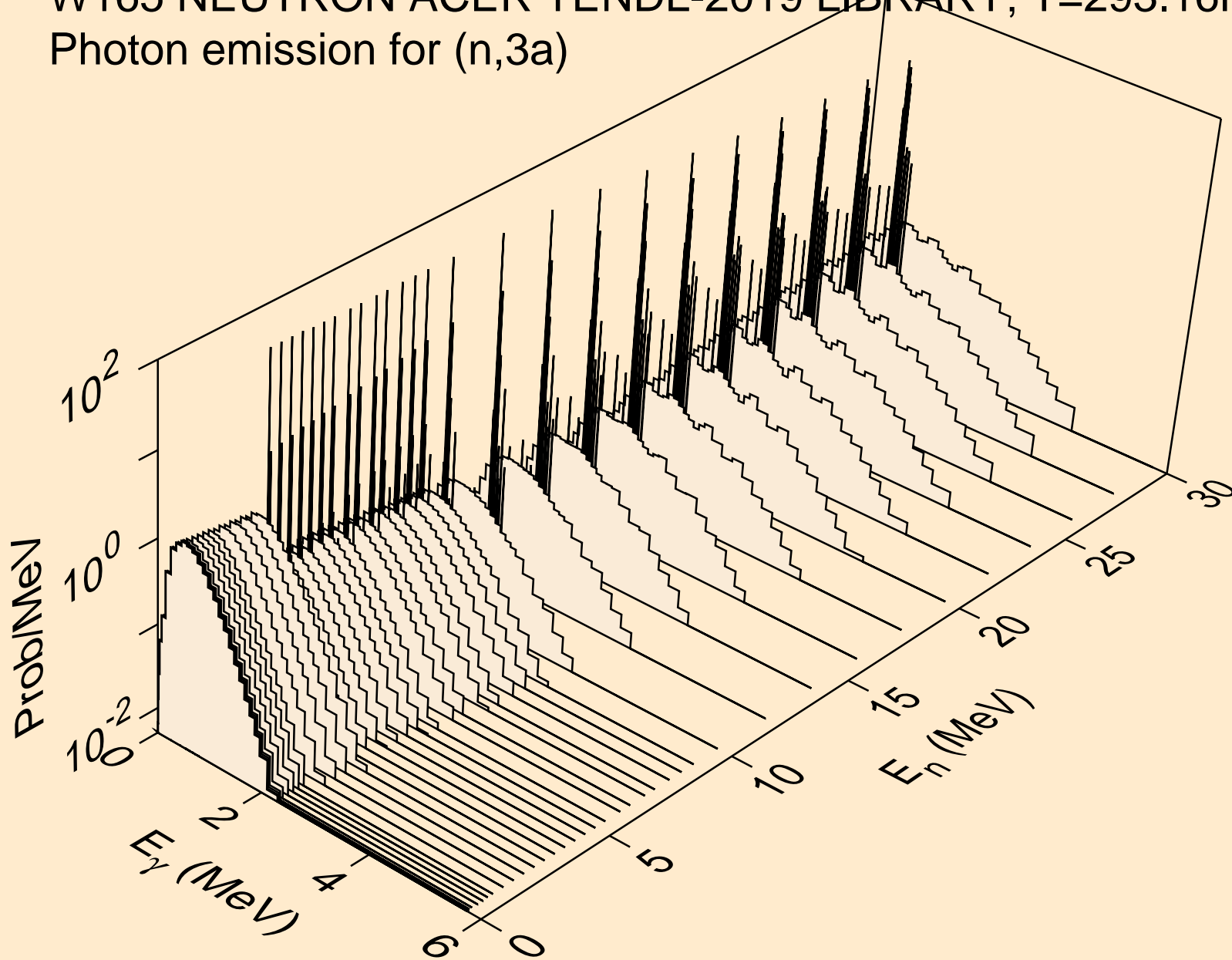
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

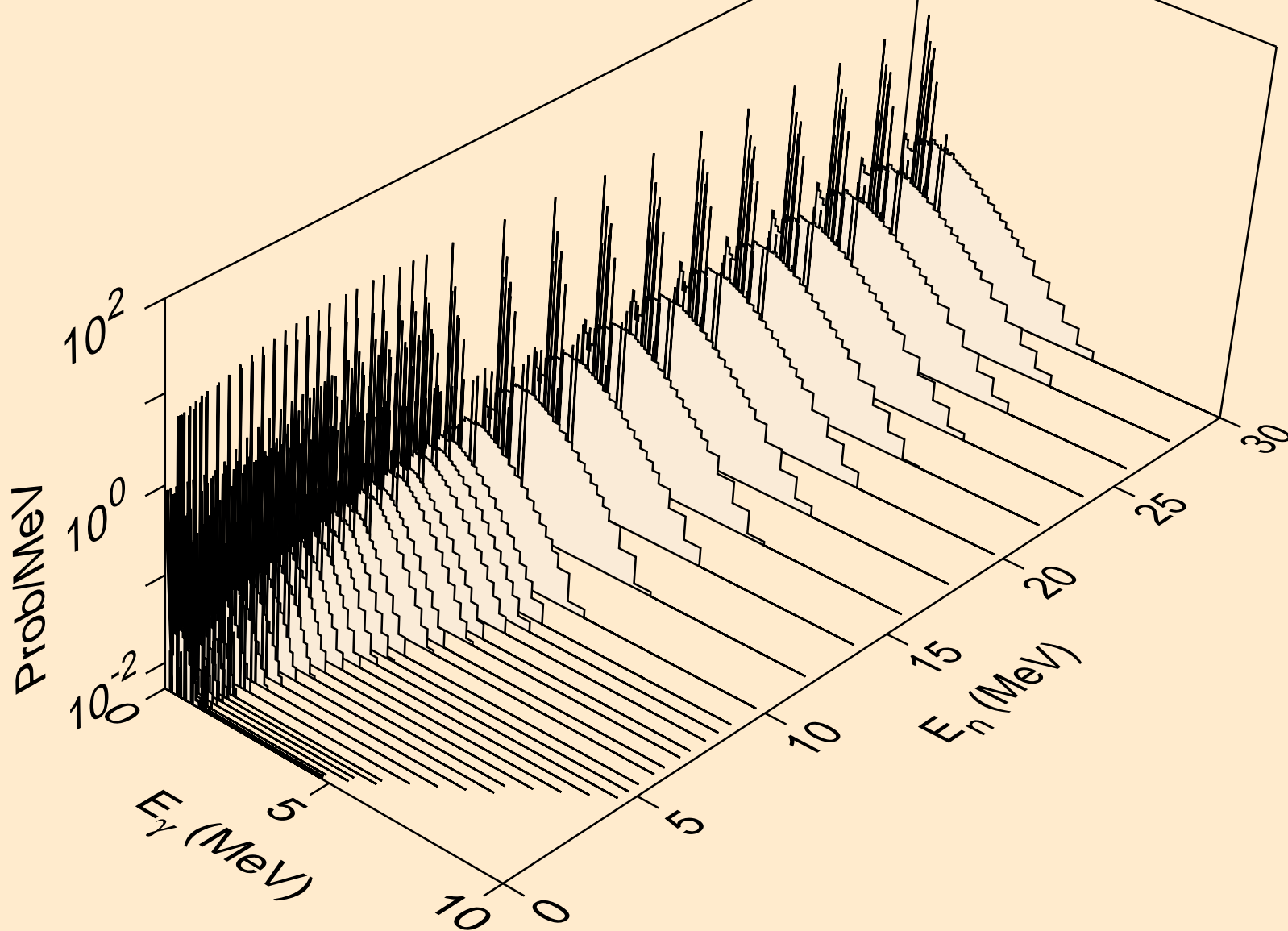


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)

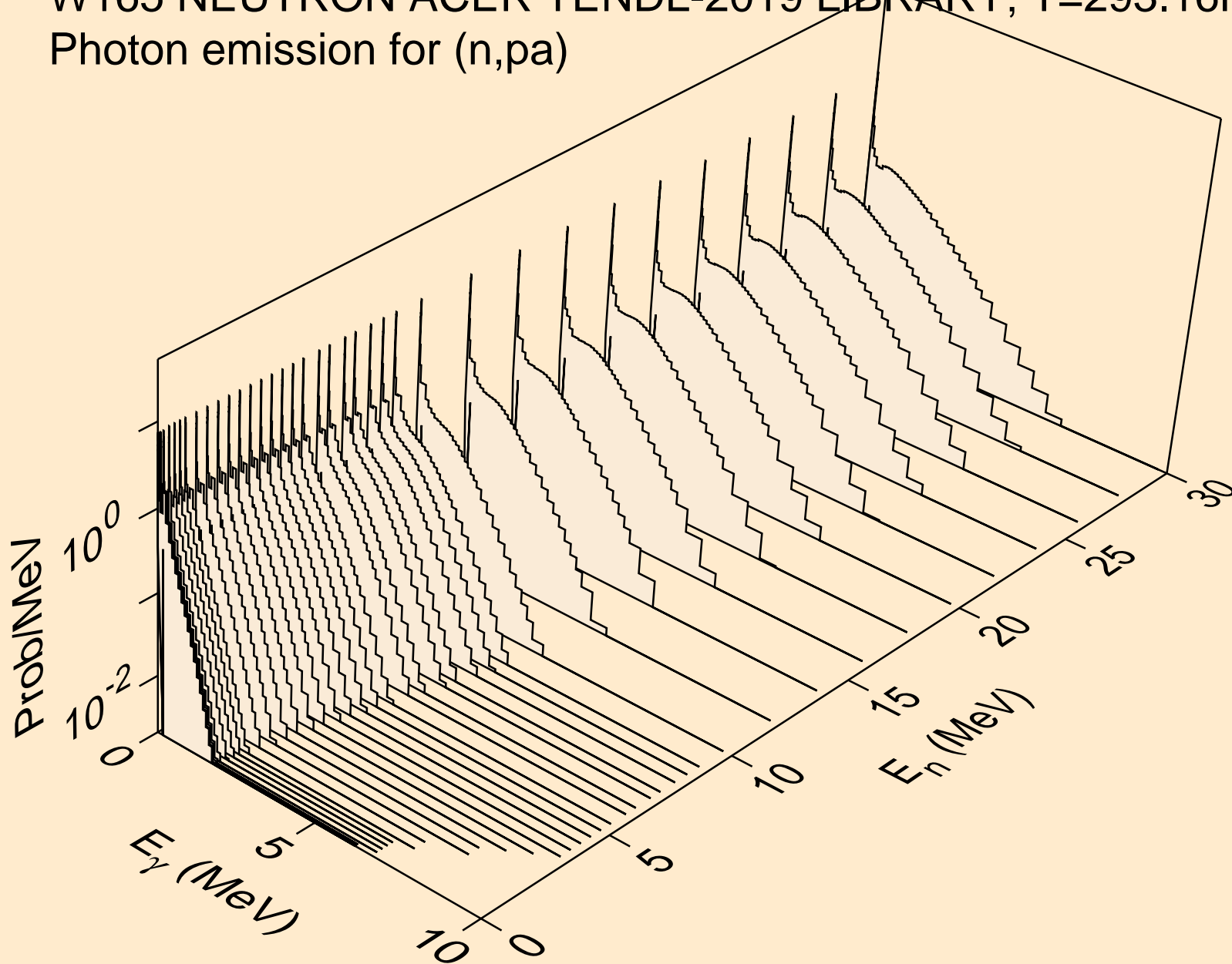




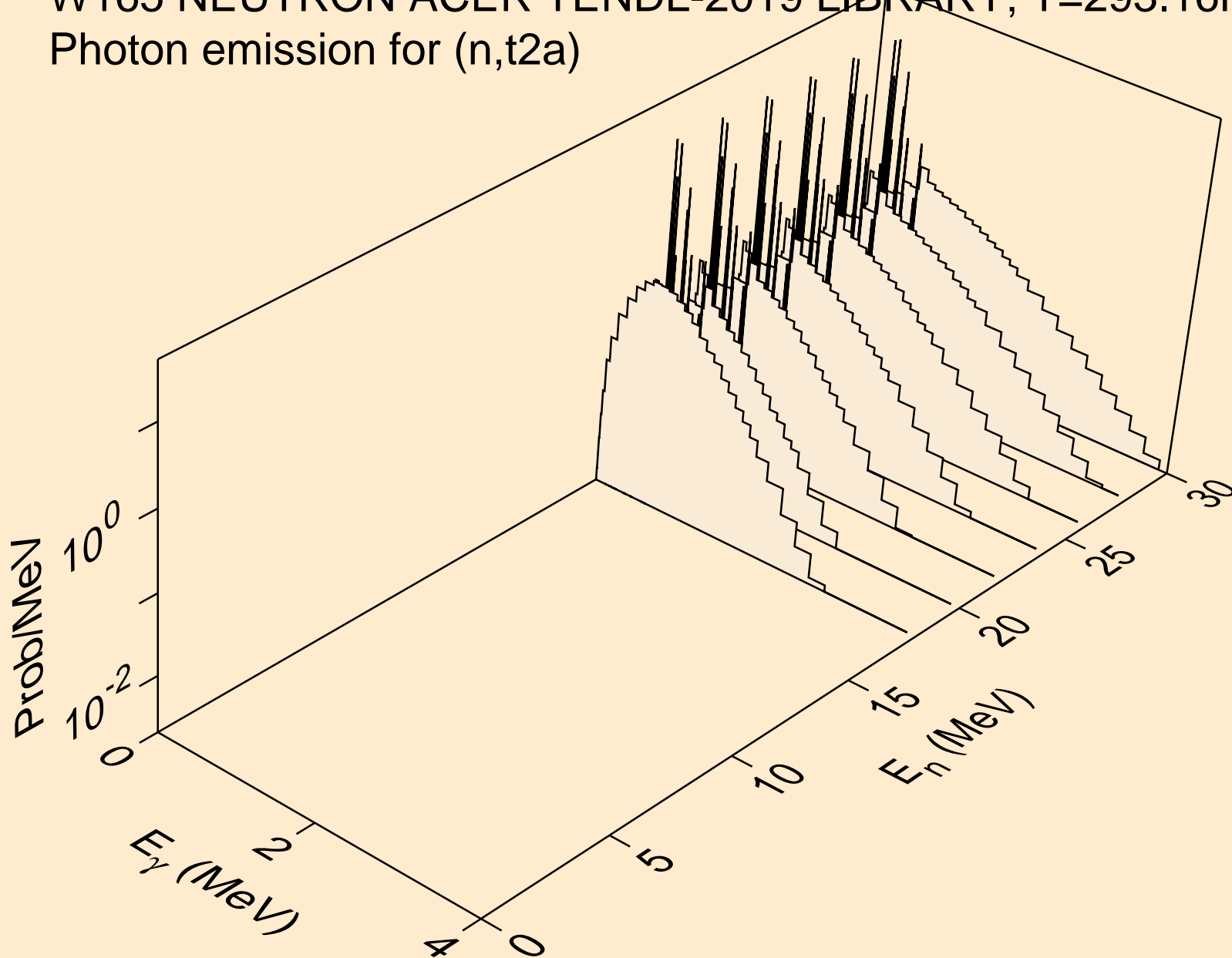
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Photon emission for (n,2p)



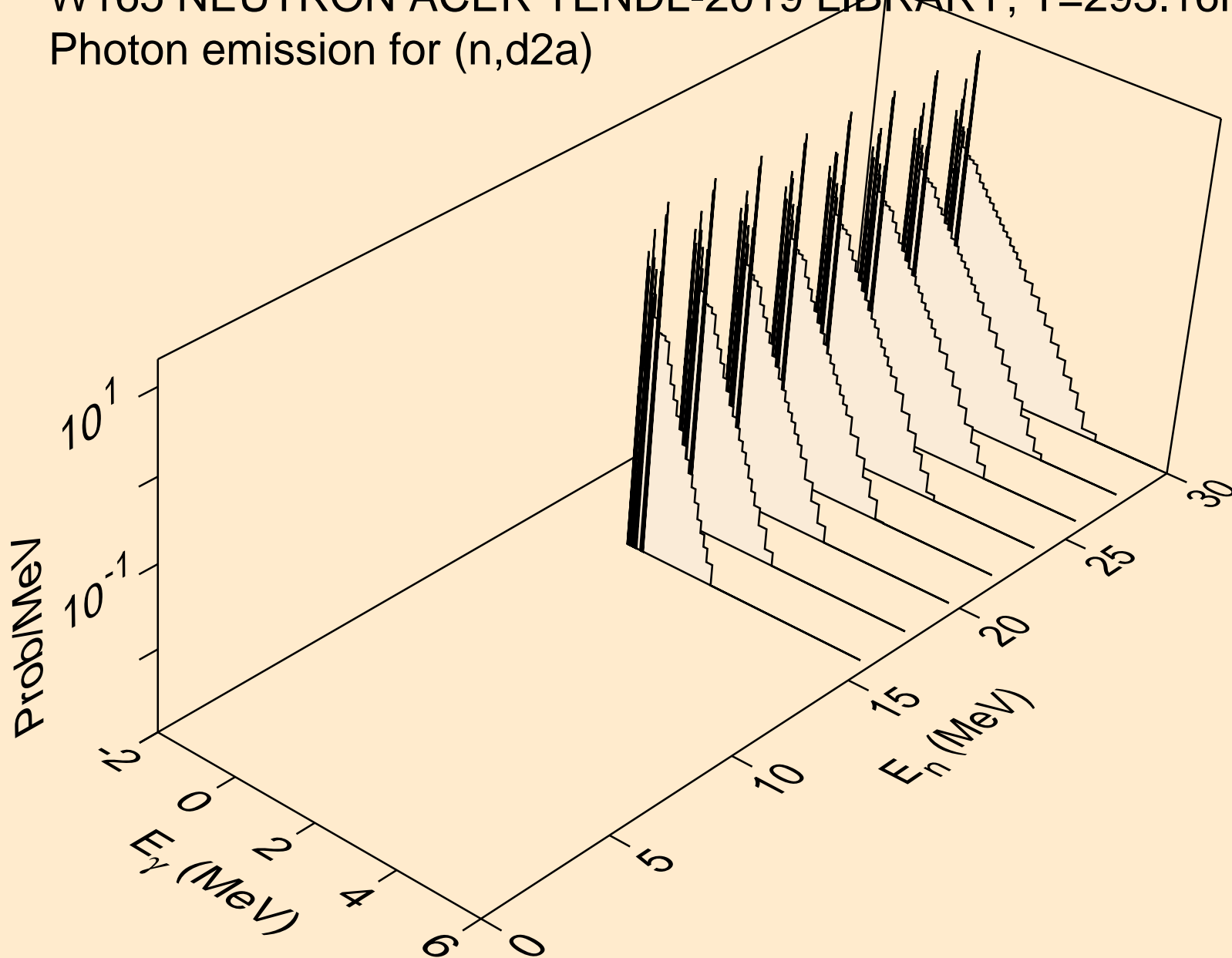
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



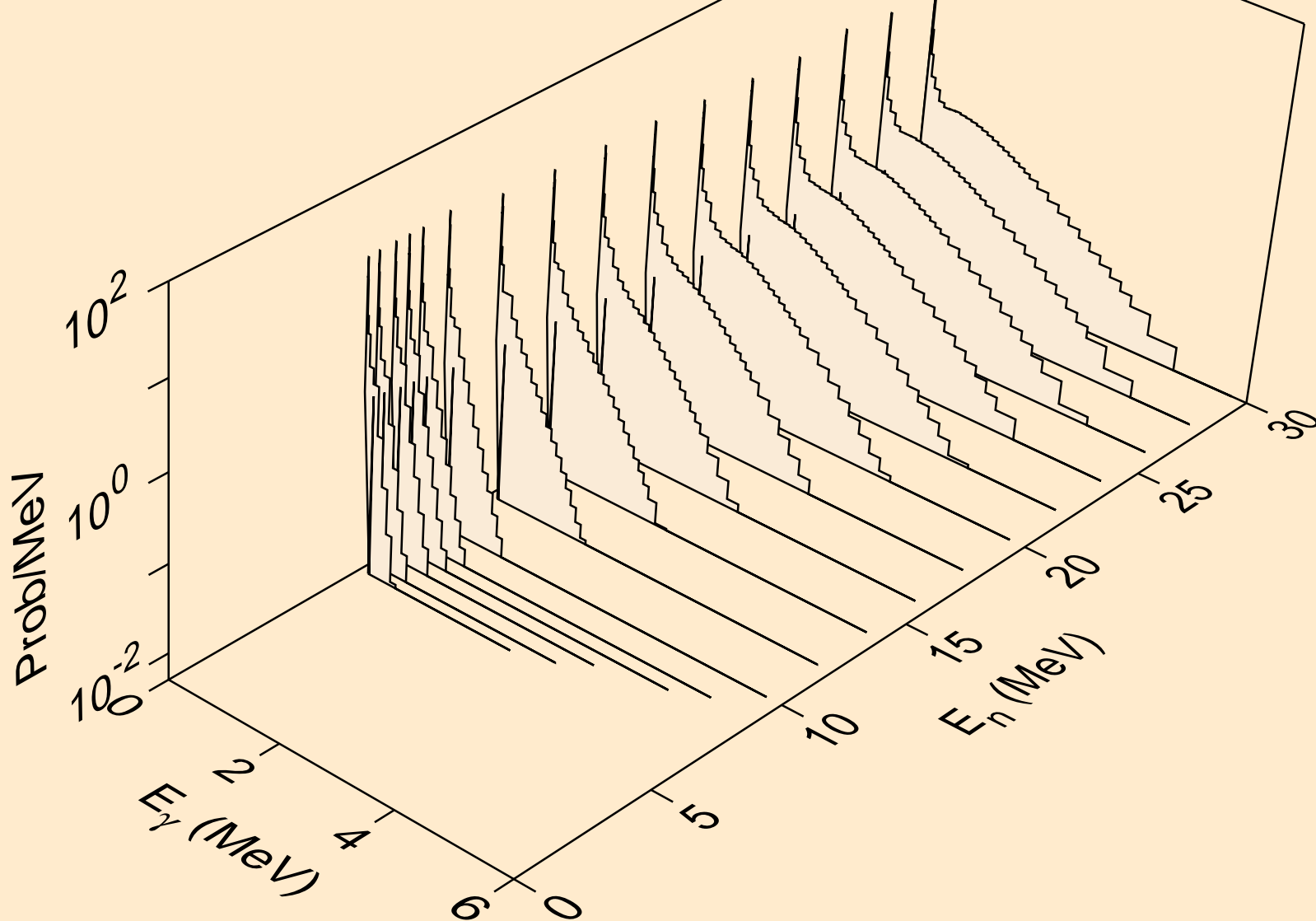
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t2a)



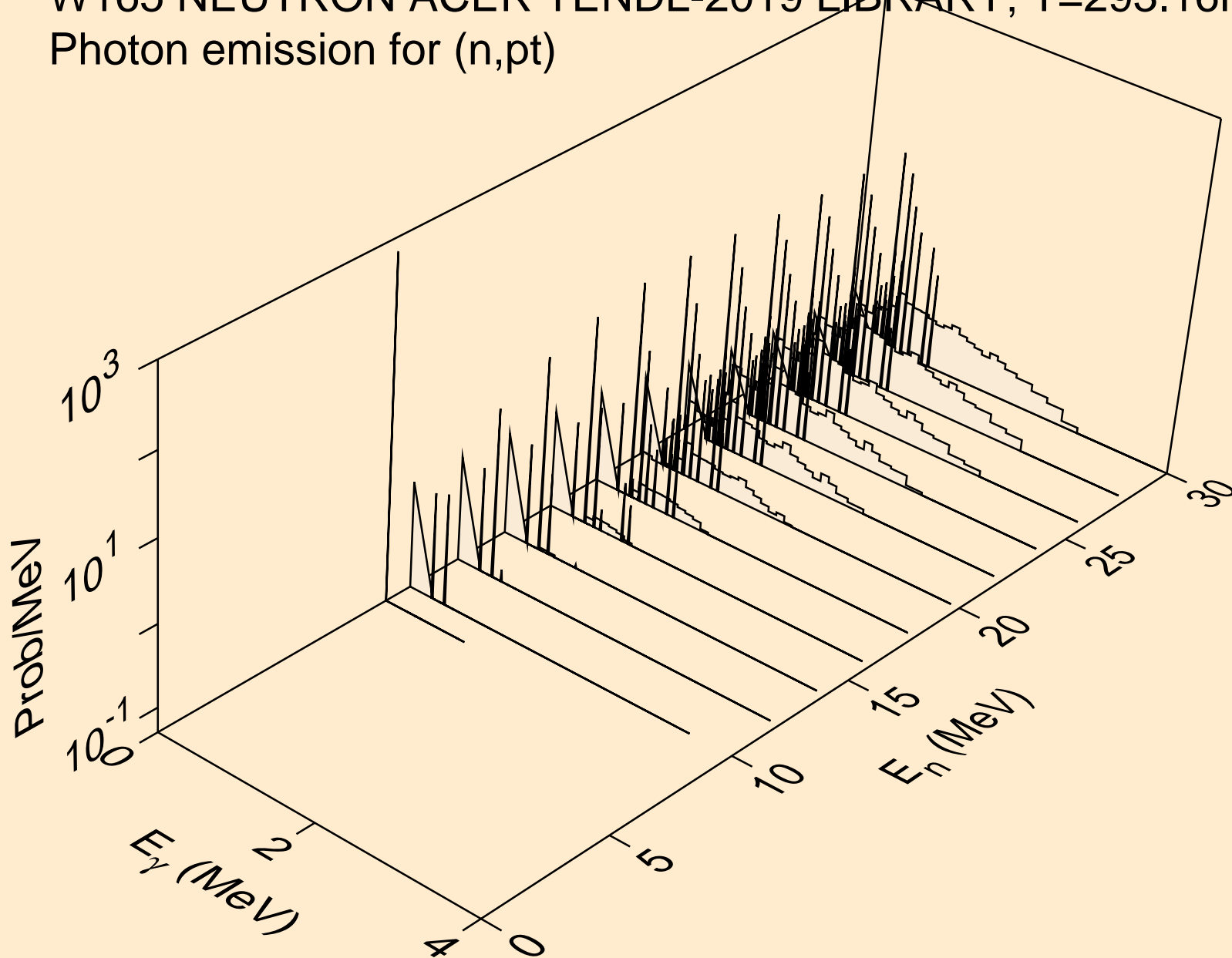
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Photon emission for (n,d2a)



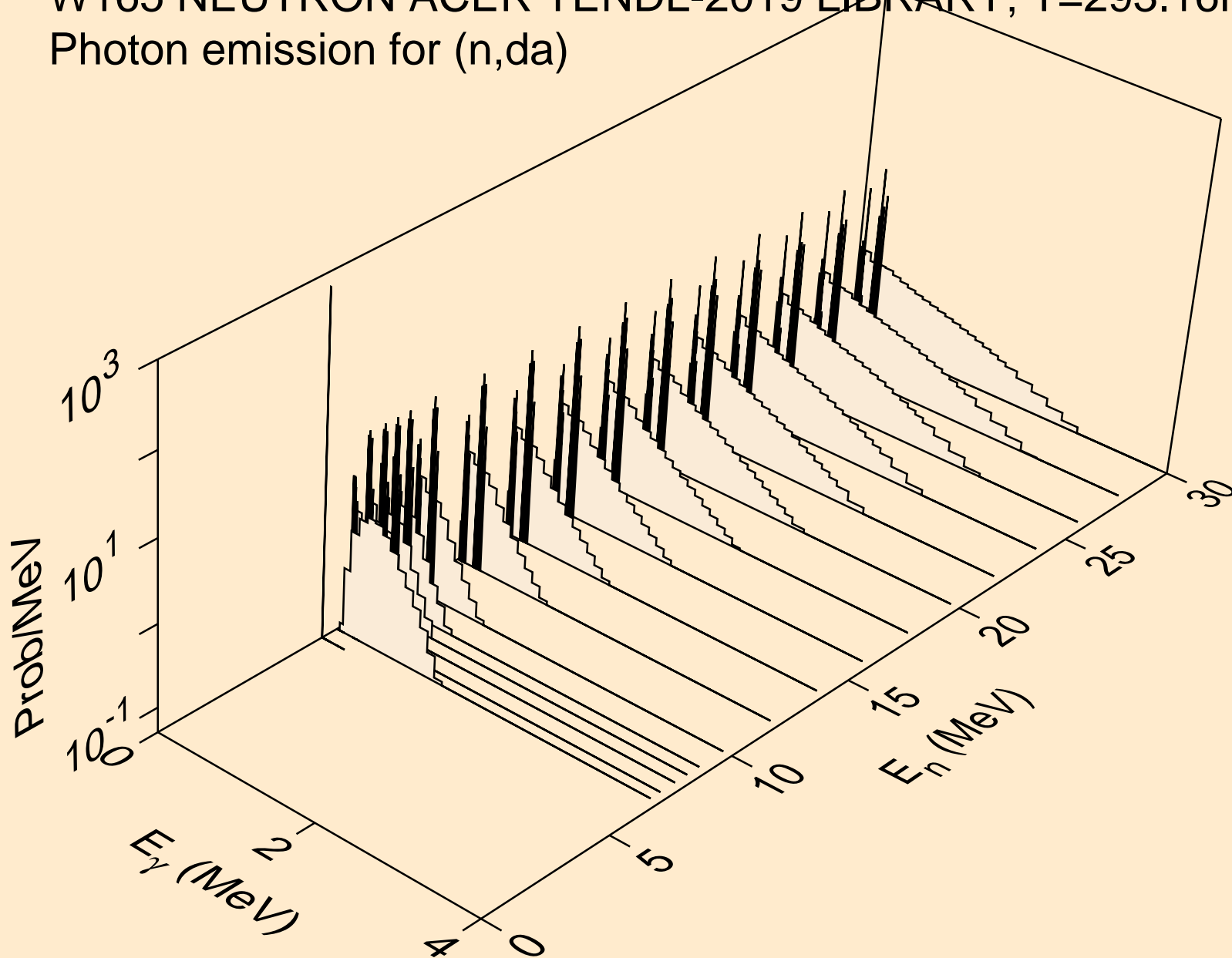
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



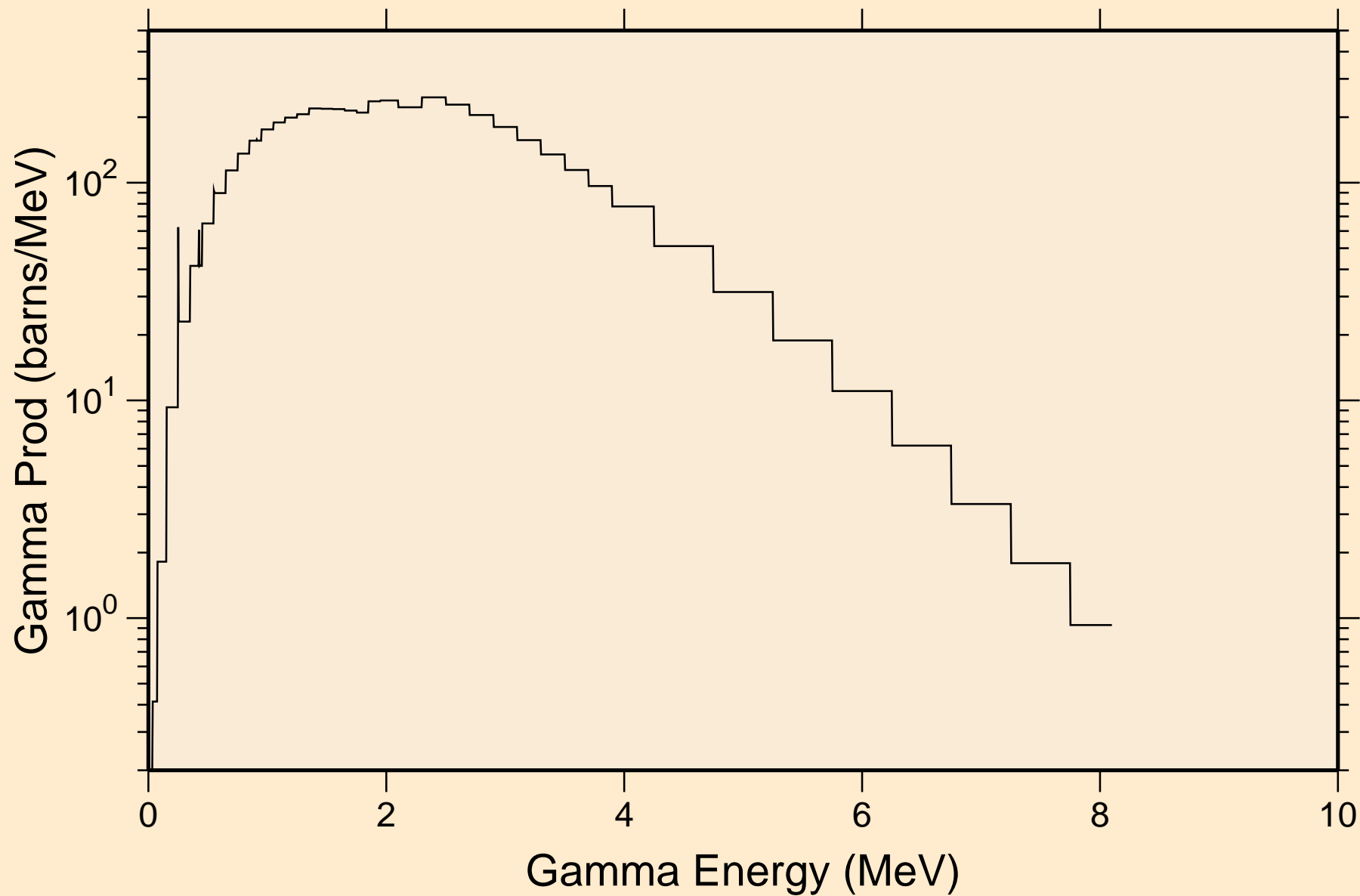
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

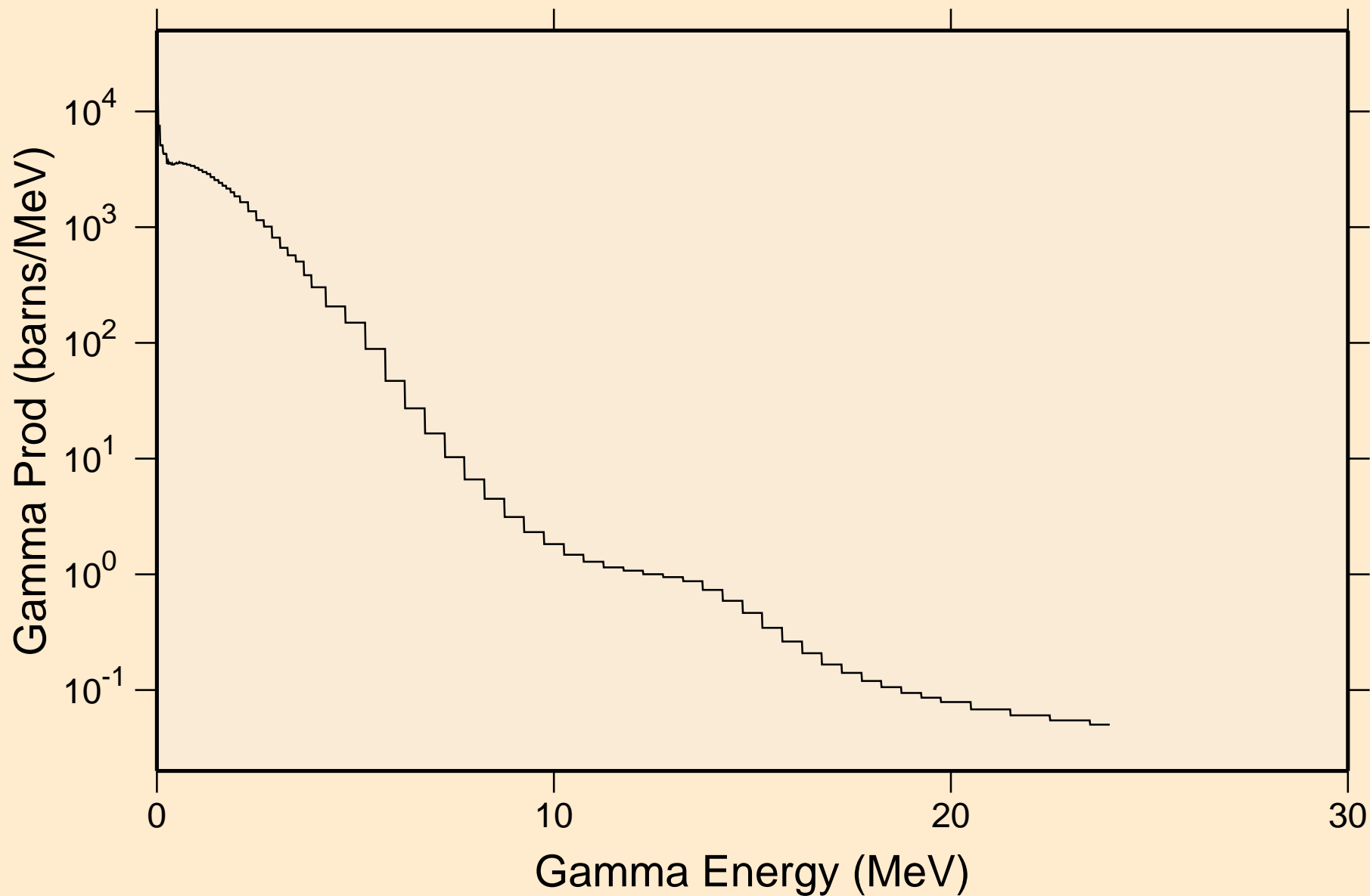


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



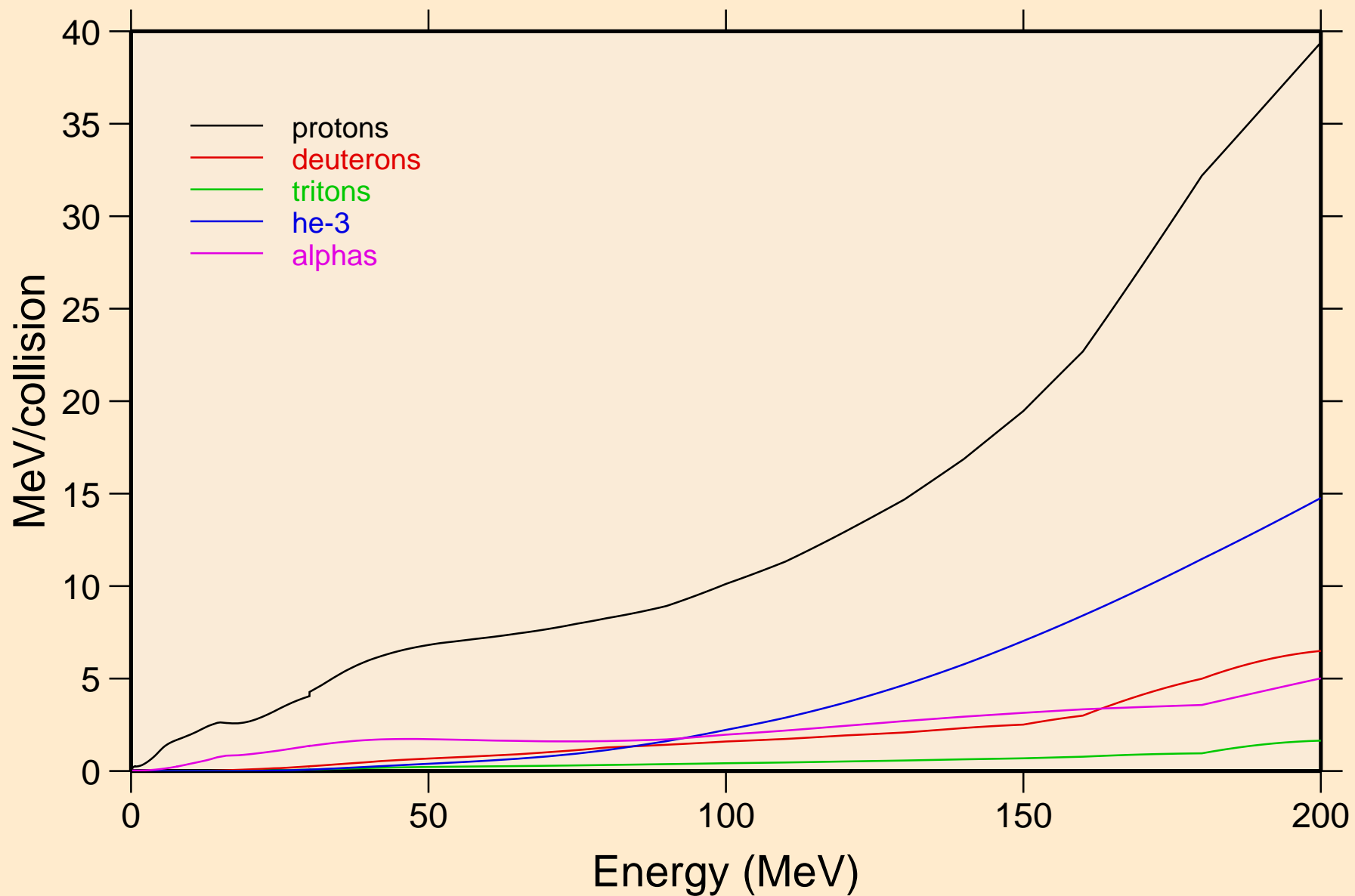


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

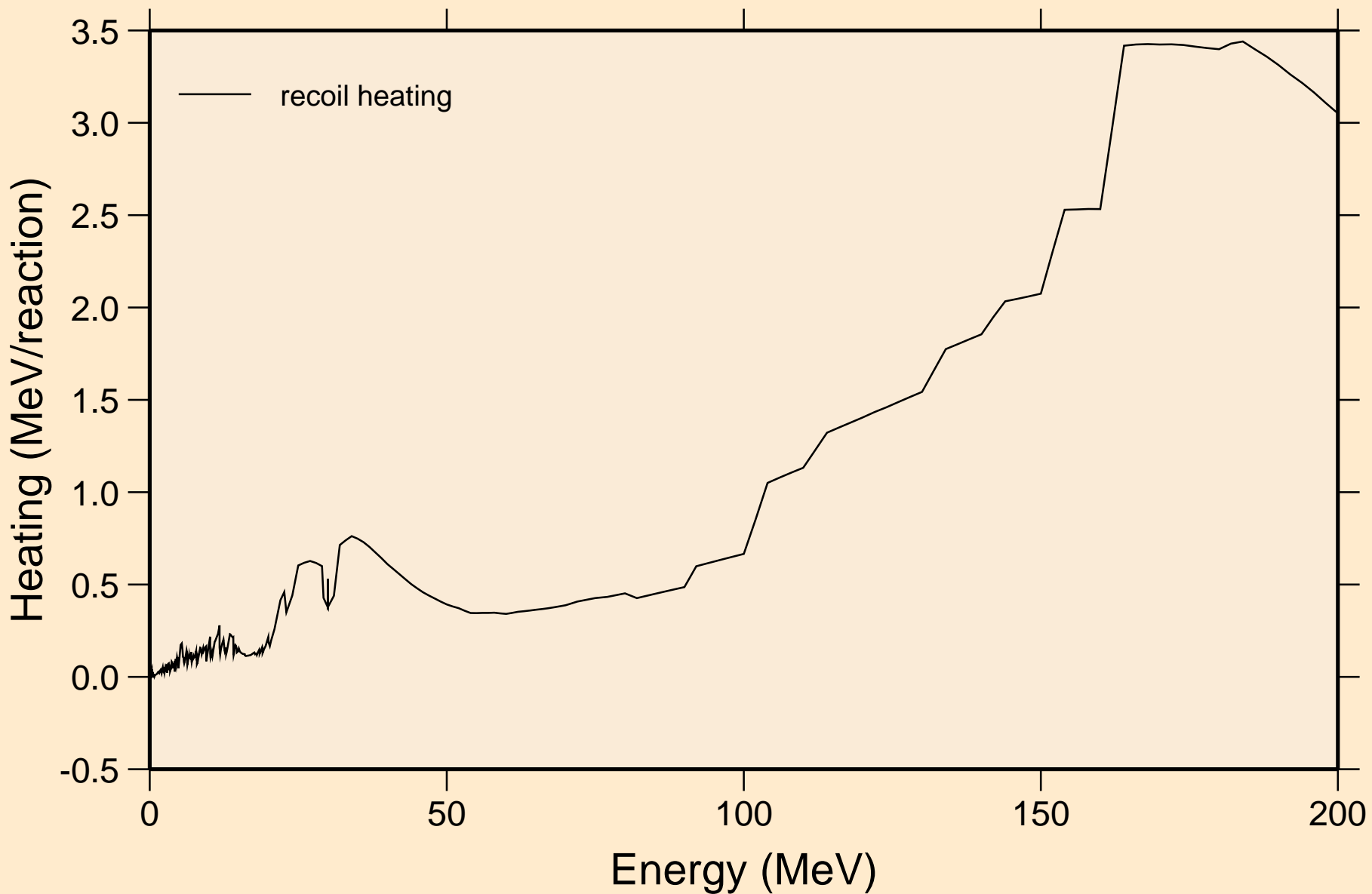


# W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

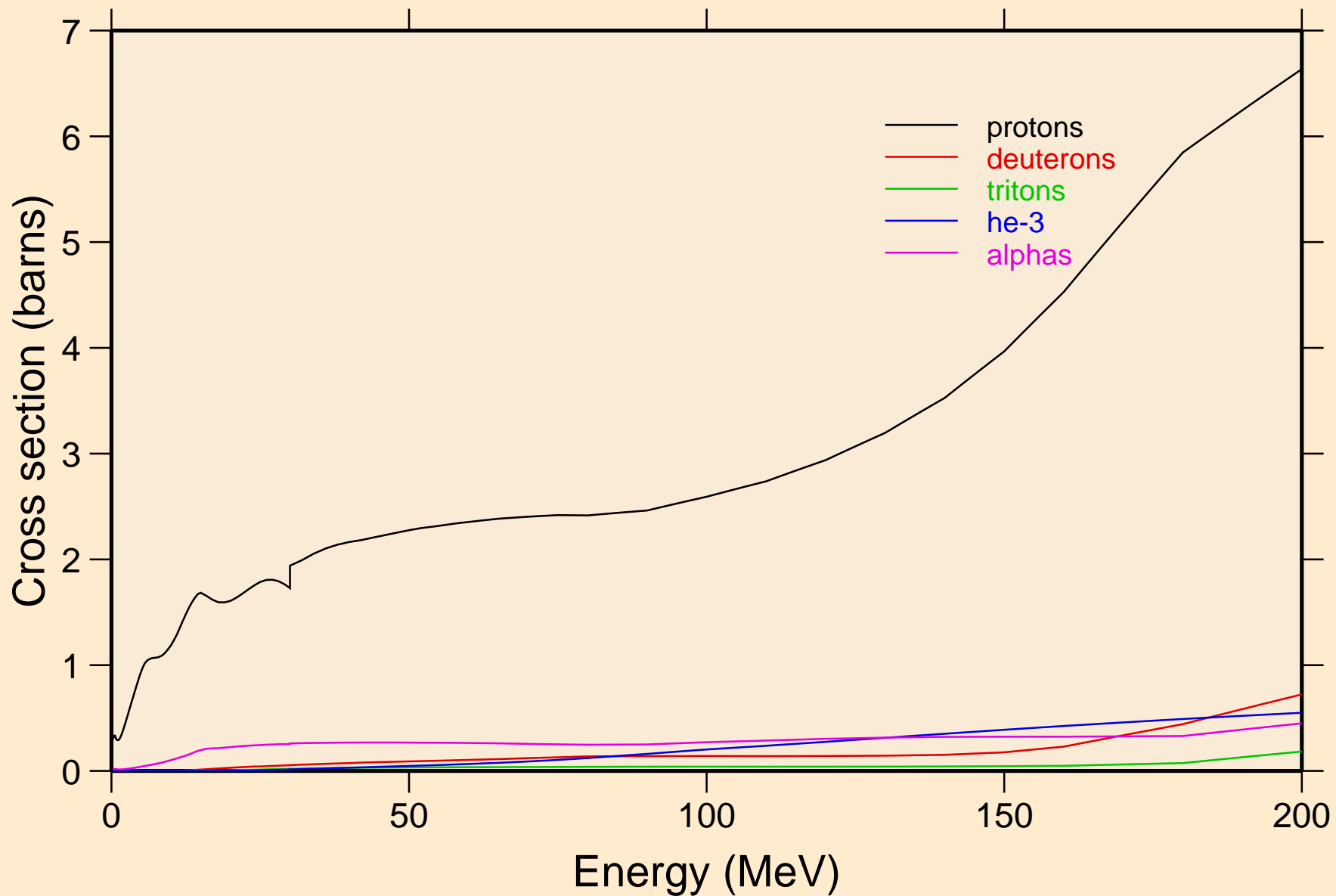
## Particle heating contributions



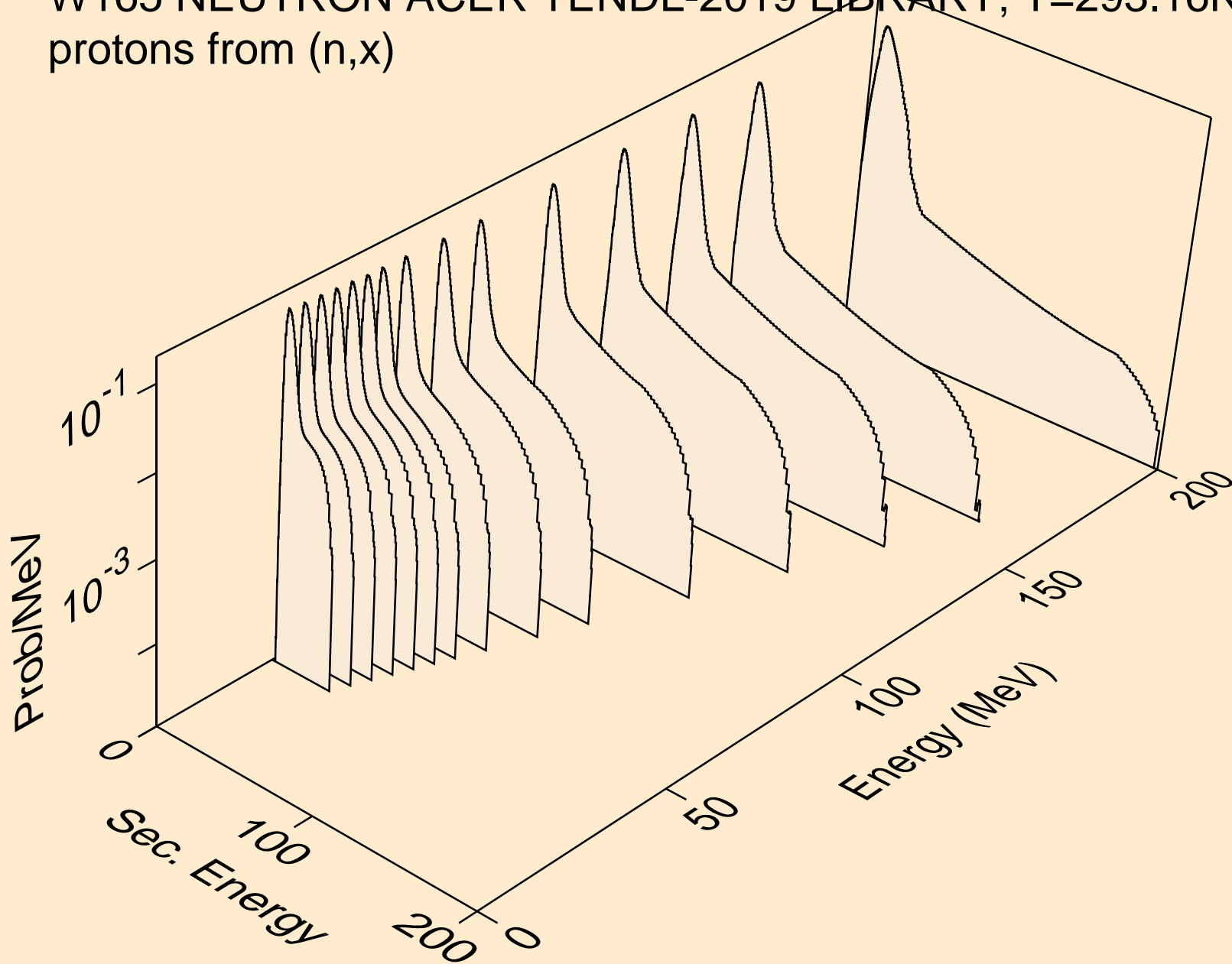
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



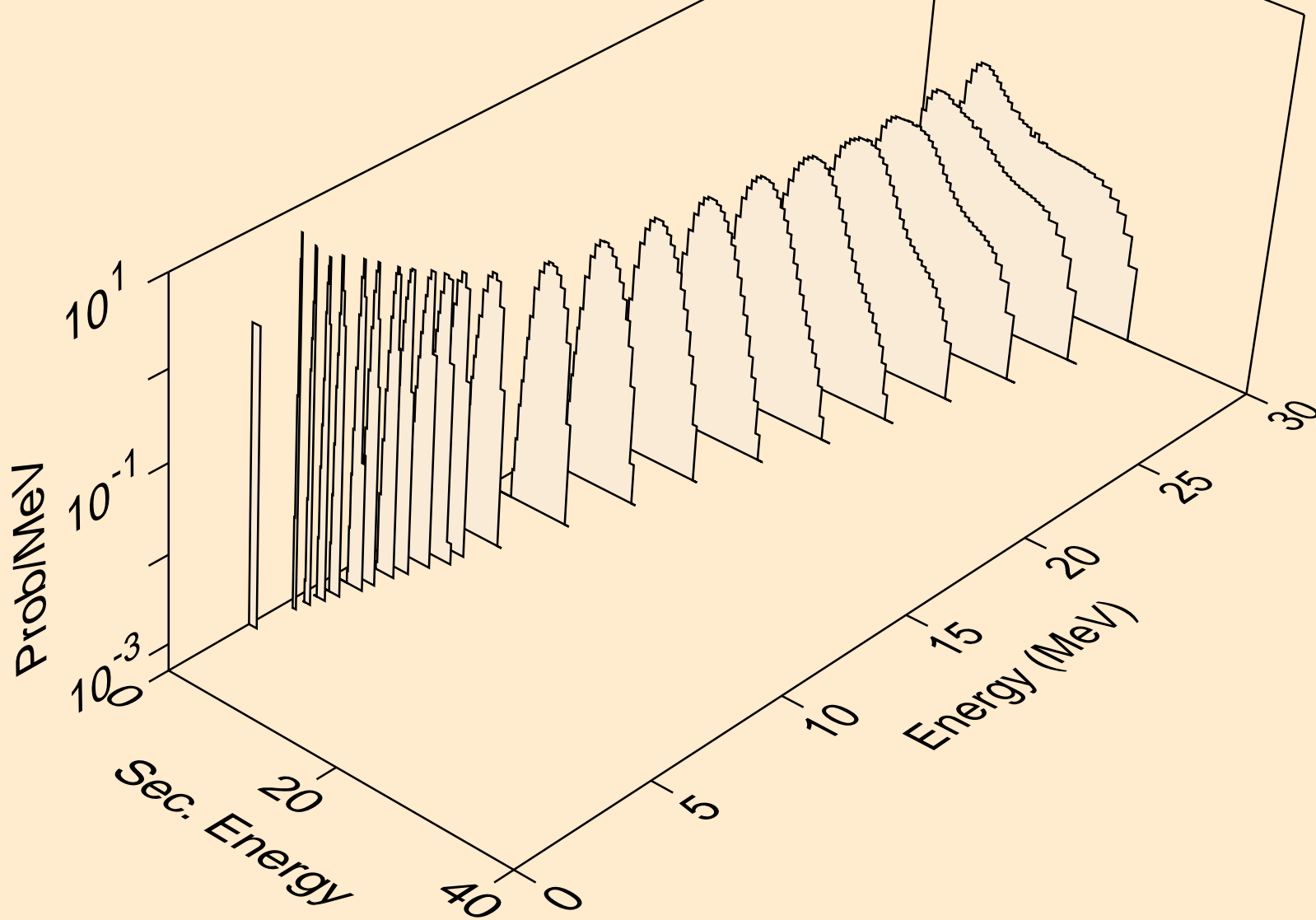
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



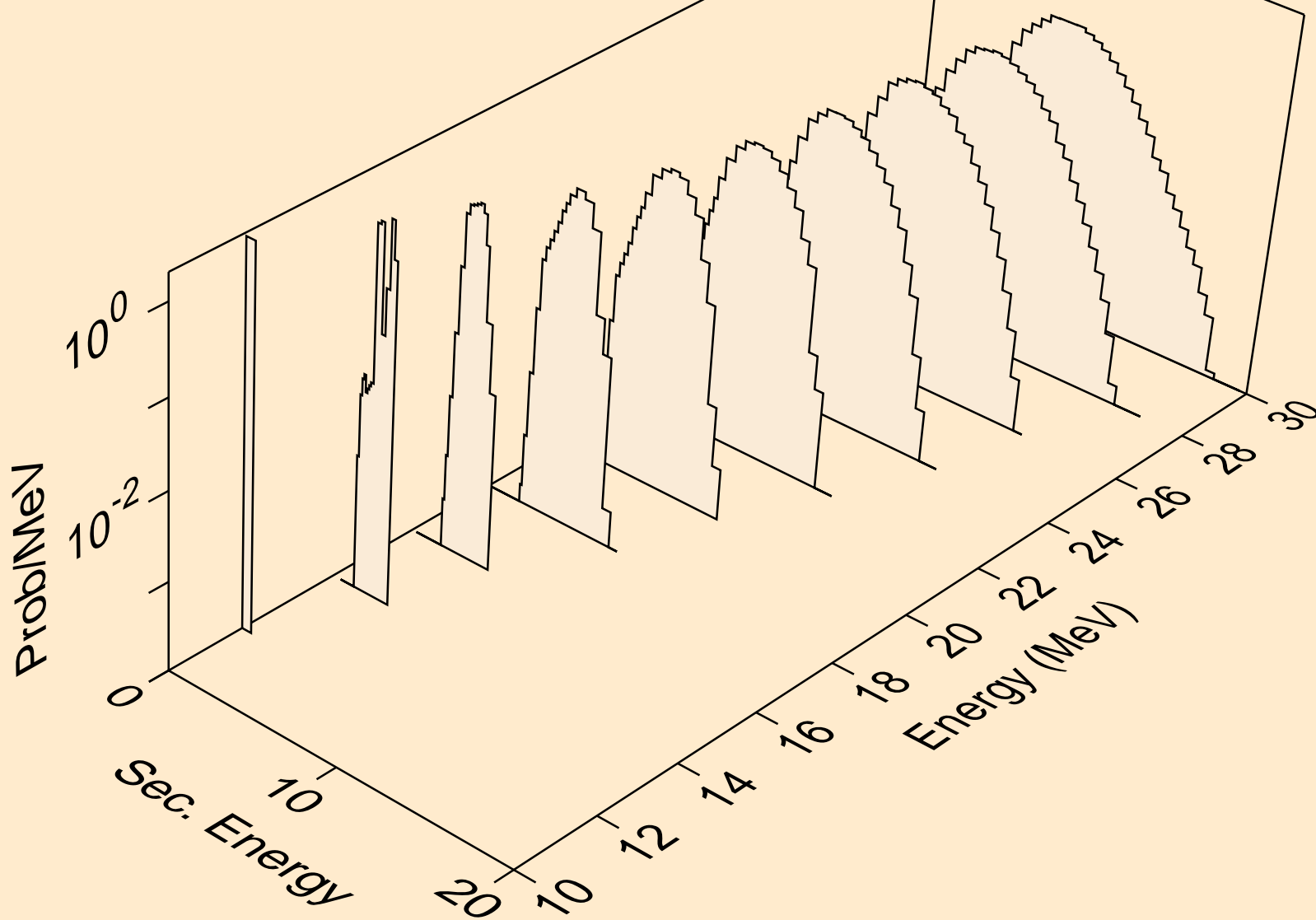
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



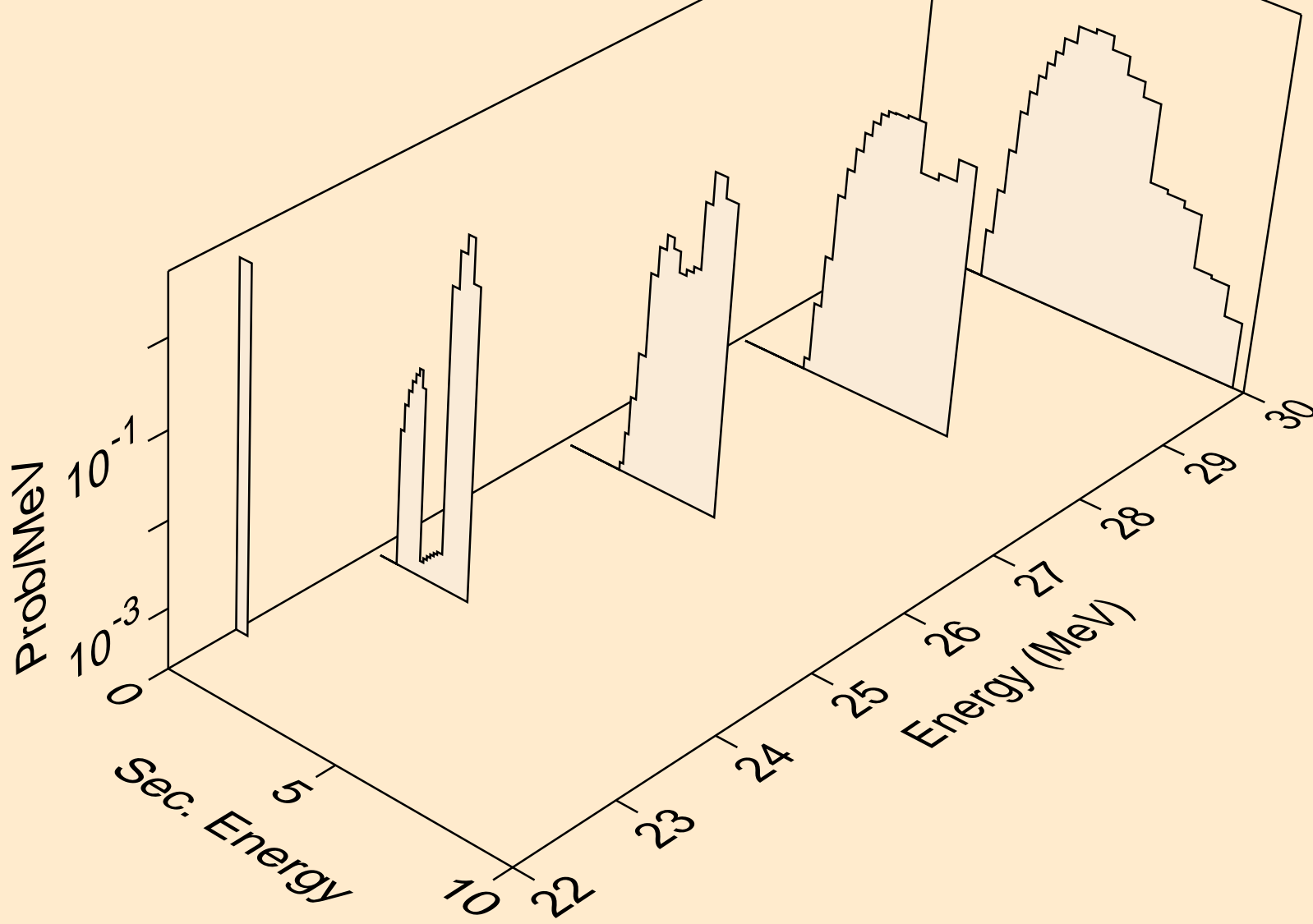
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

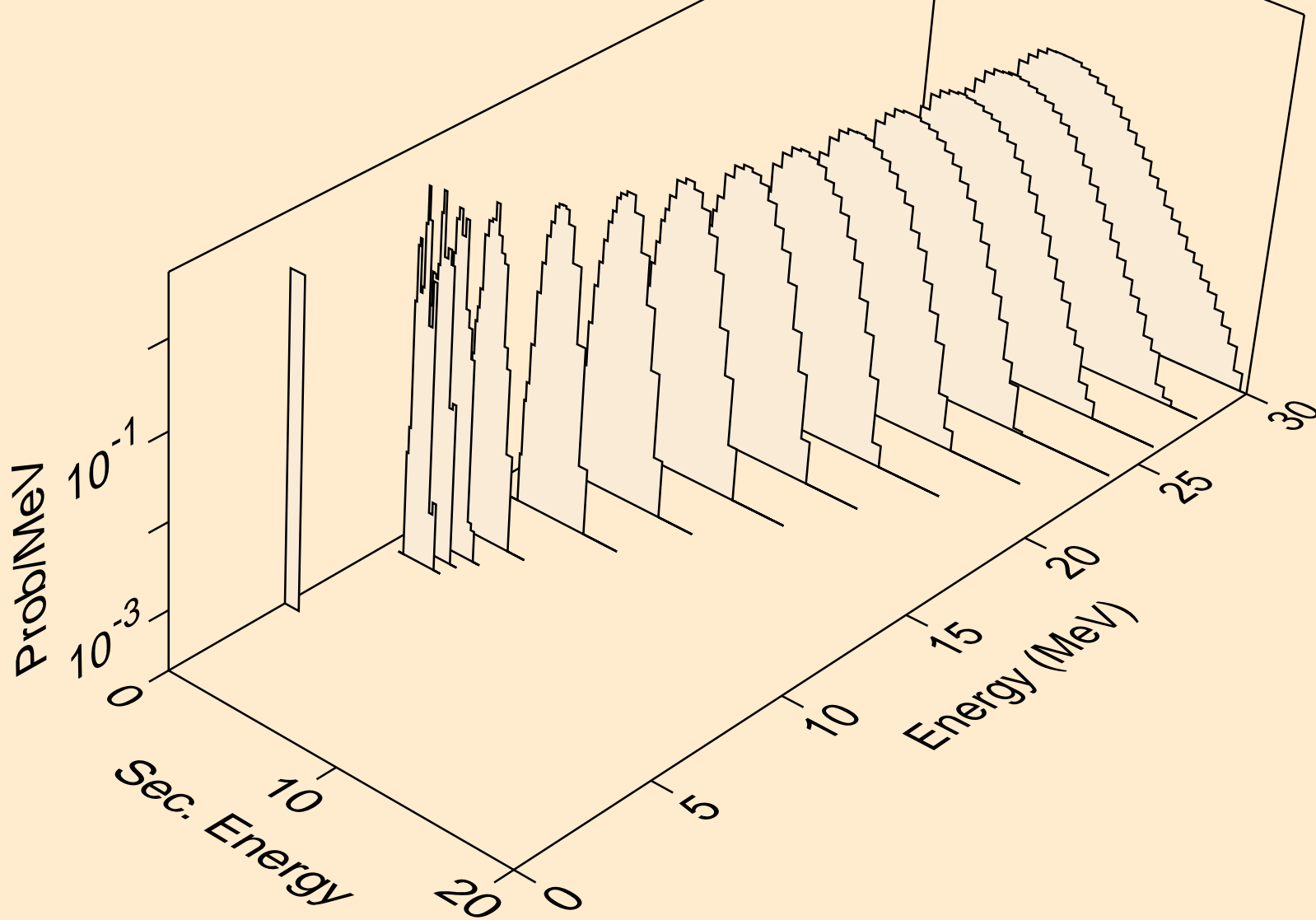


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)

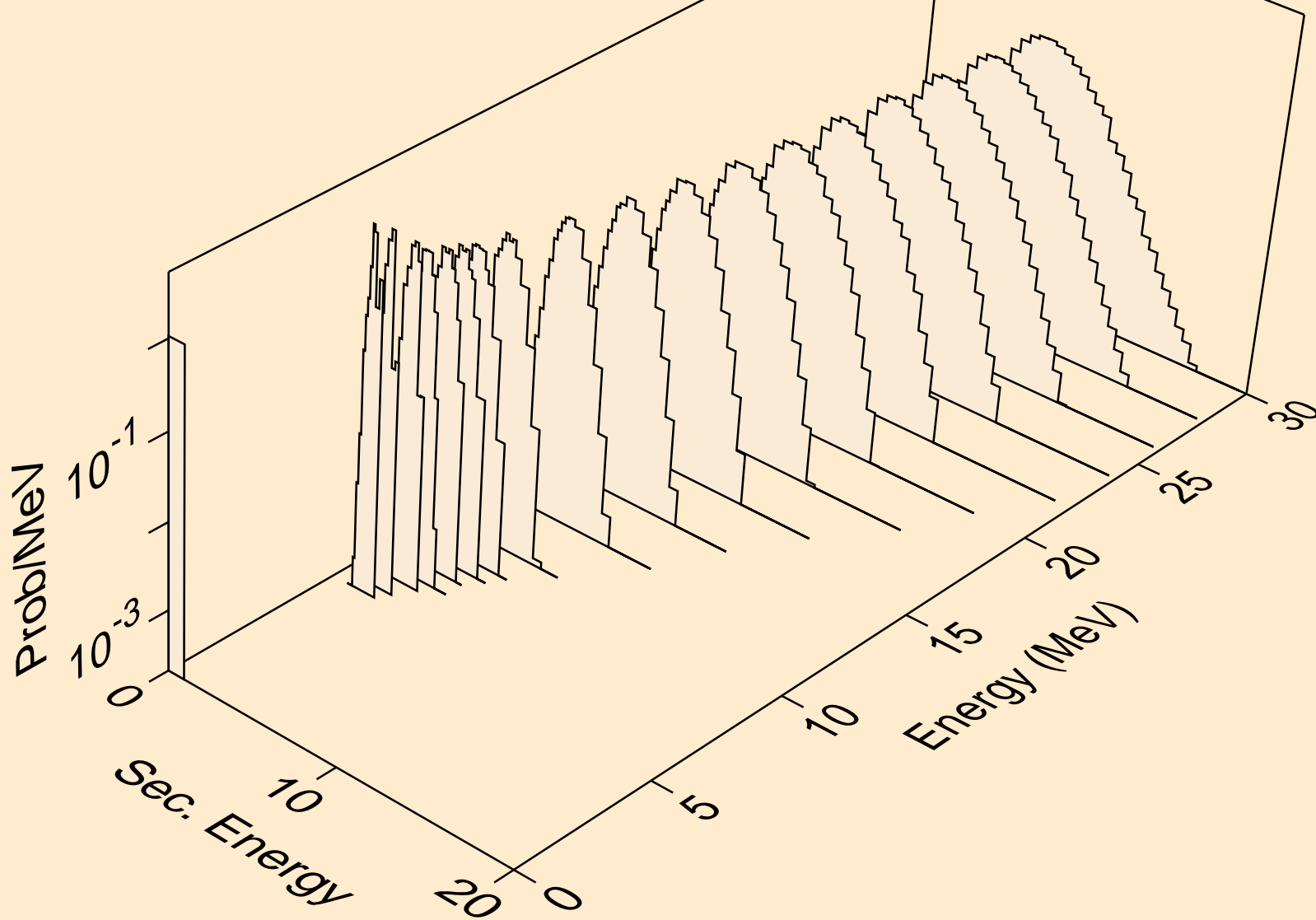




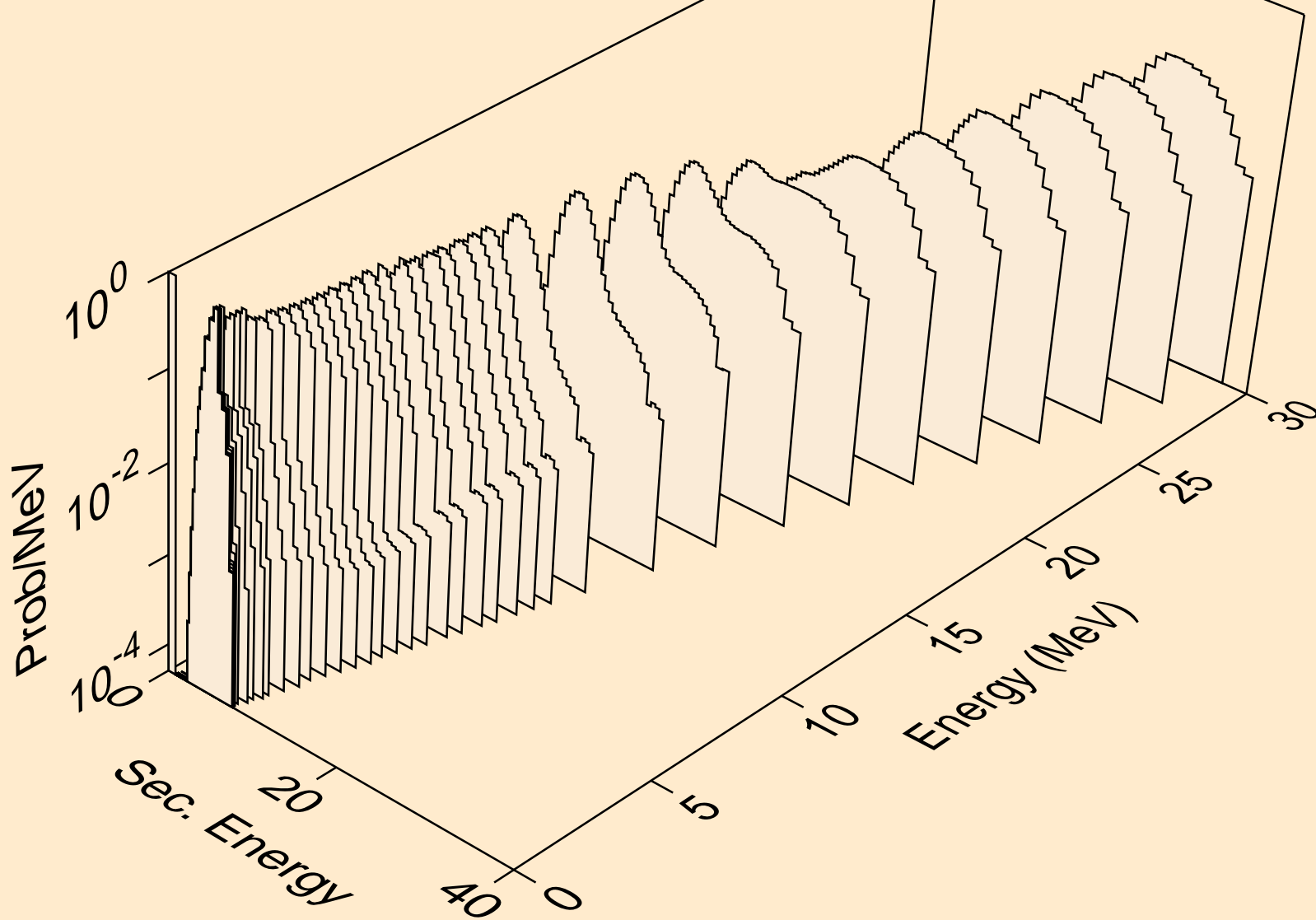
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



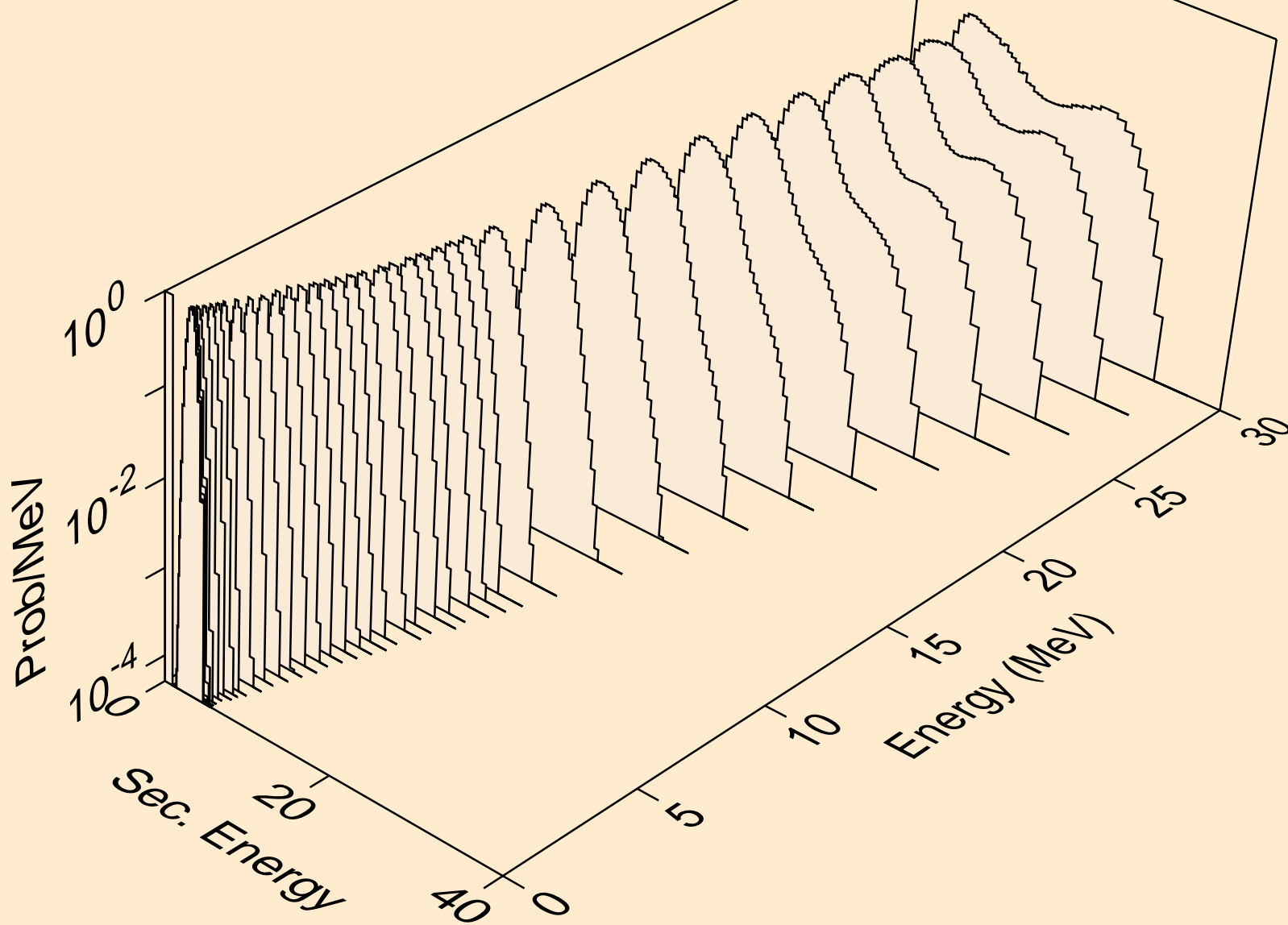
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



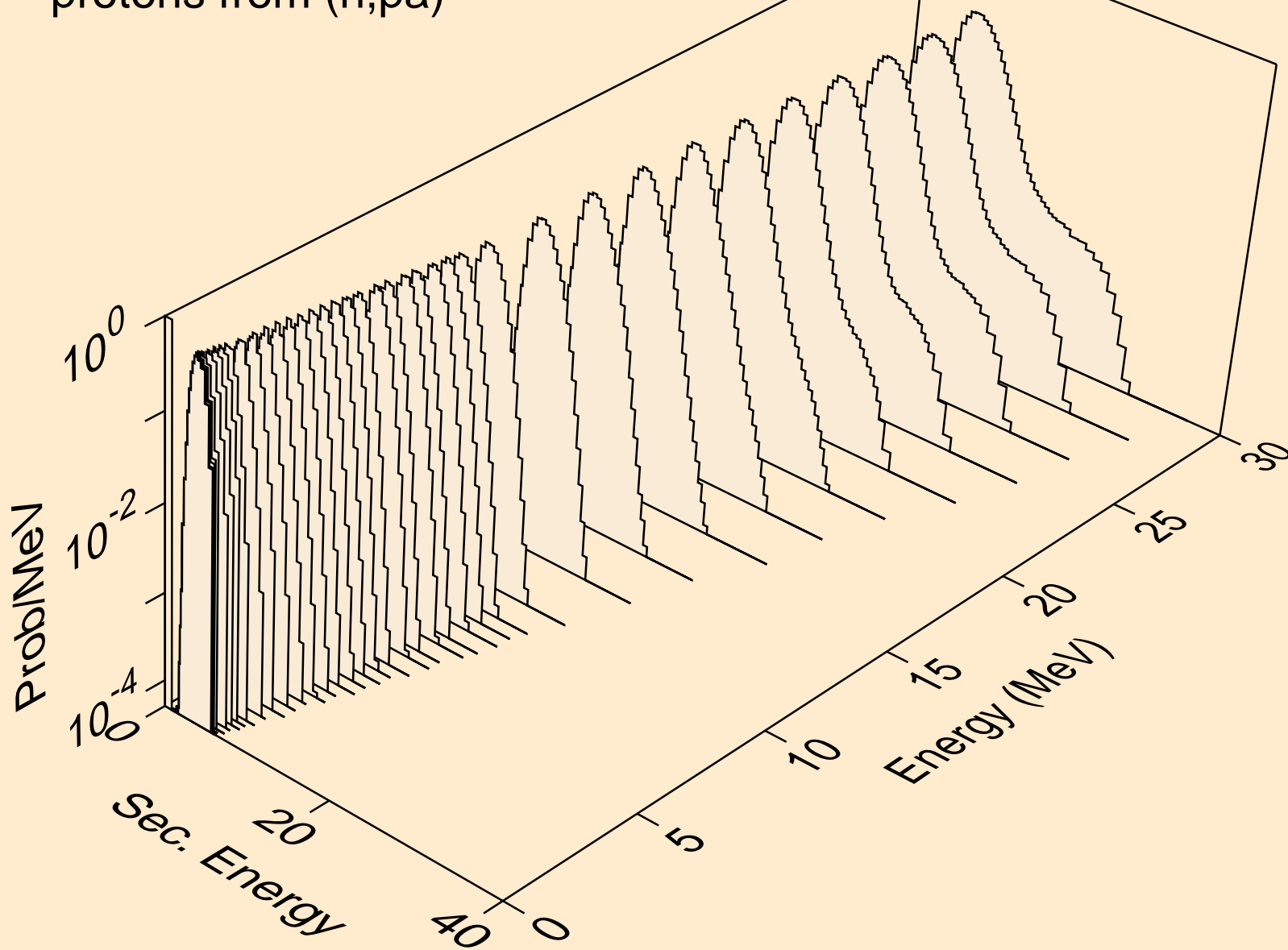
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



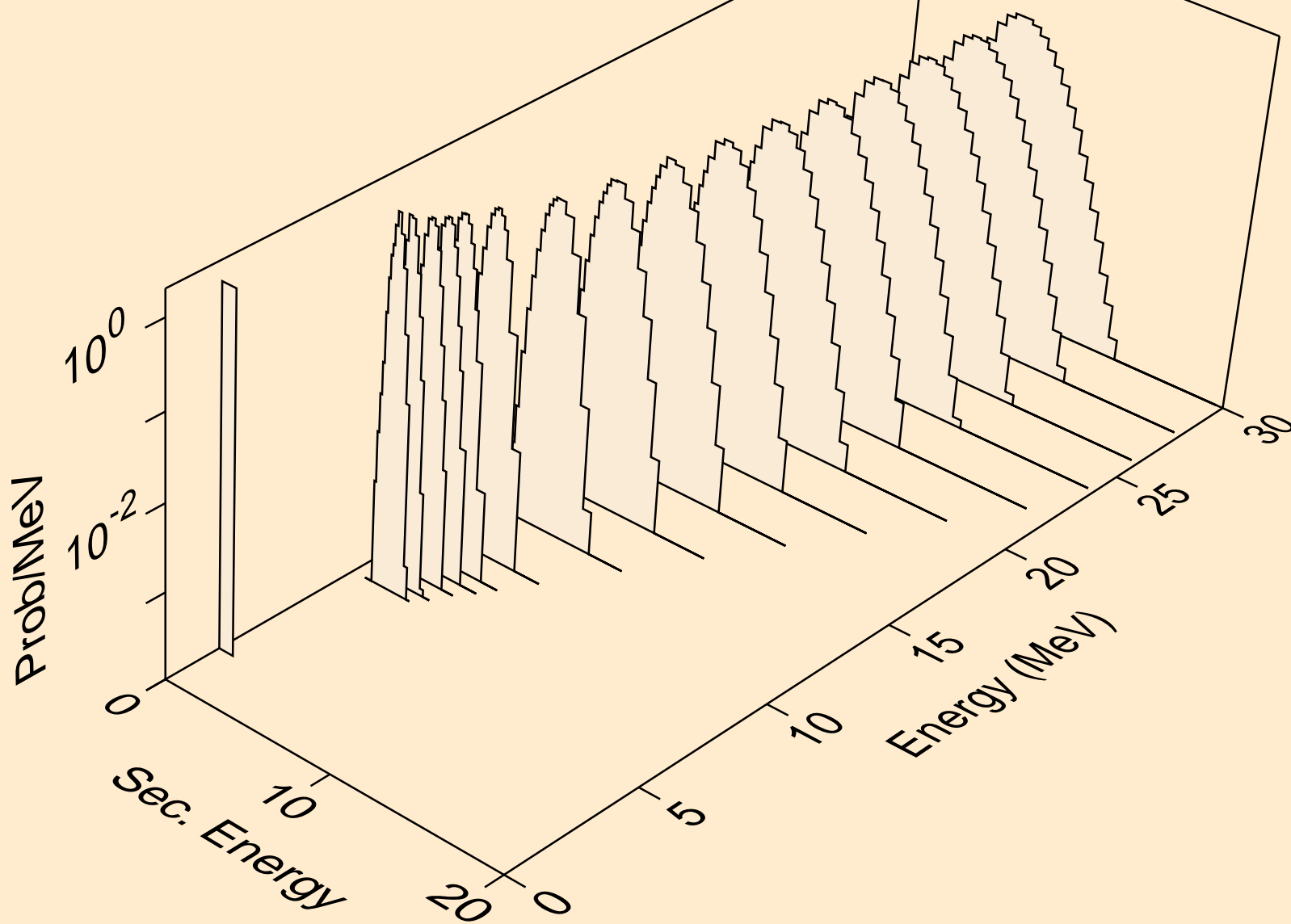
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



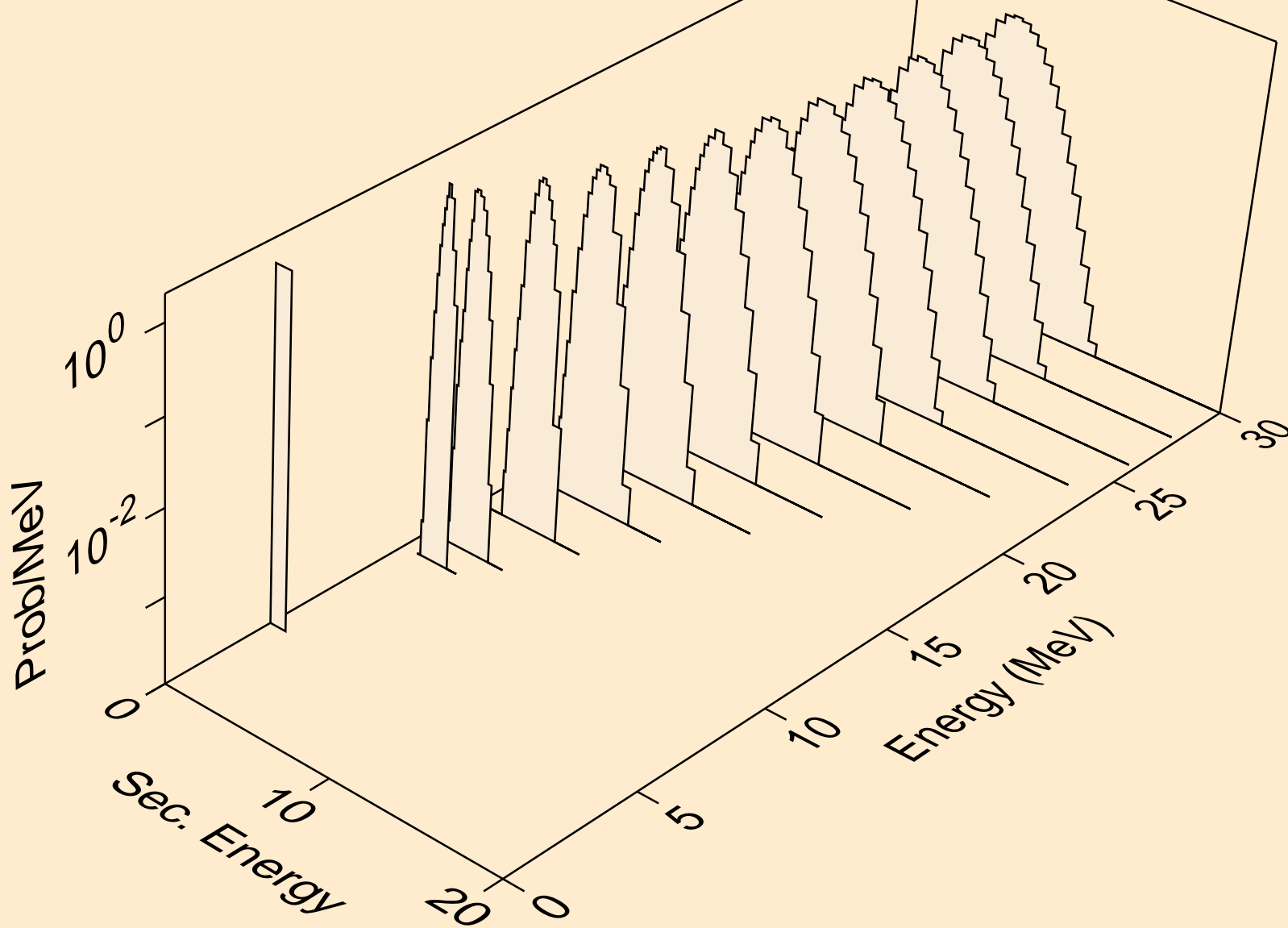
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



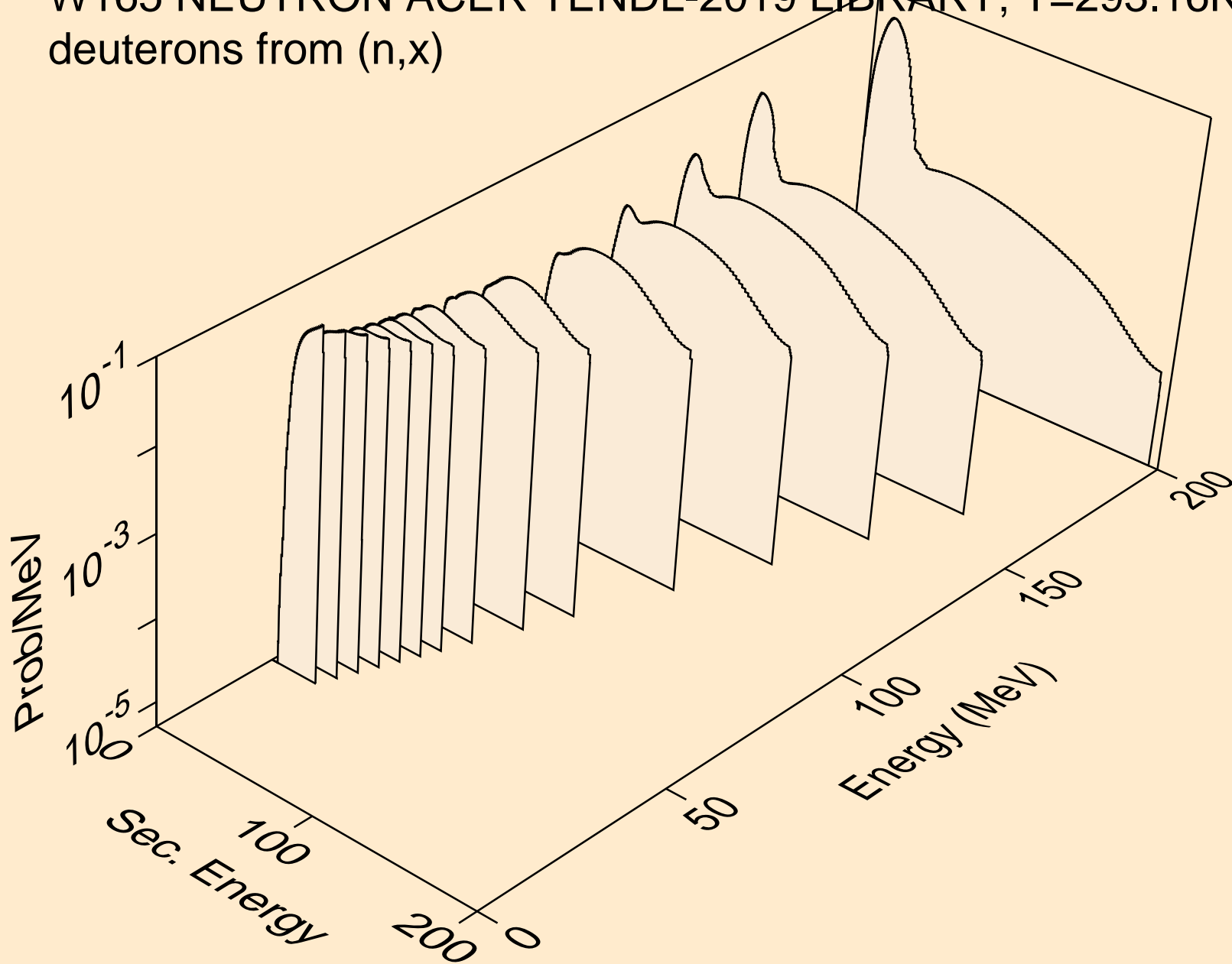
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

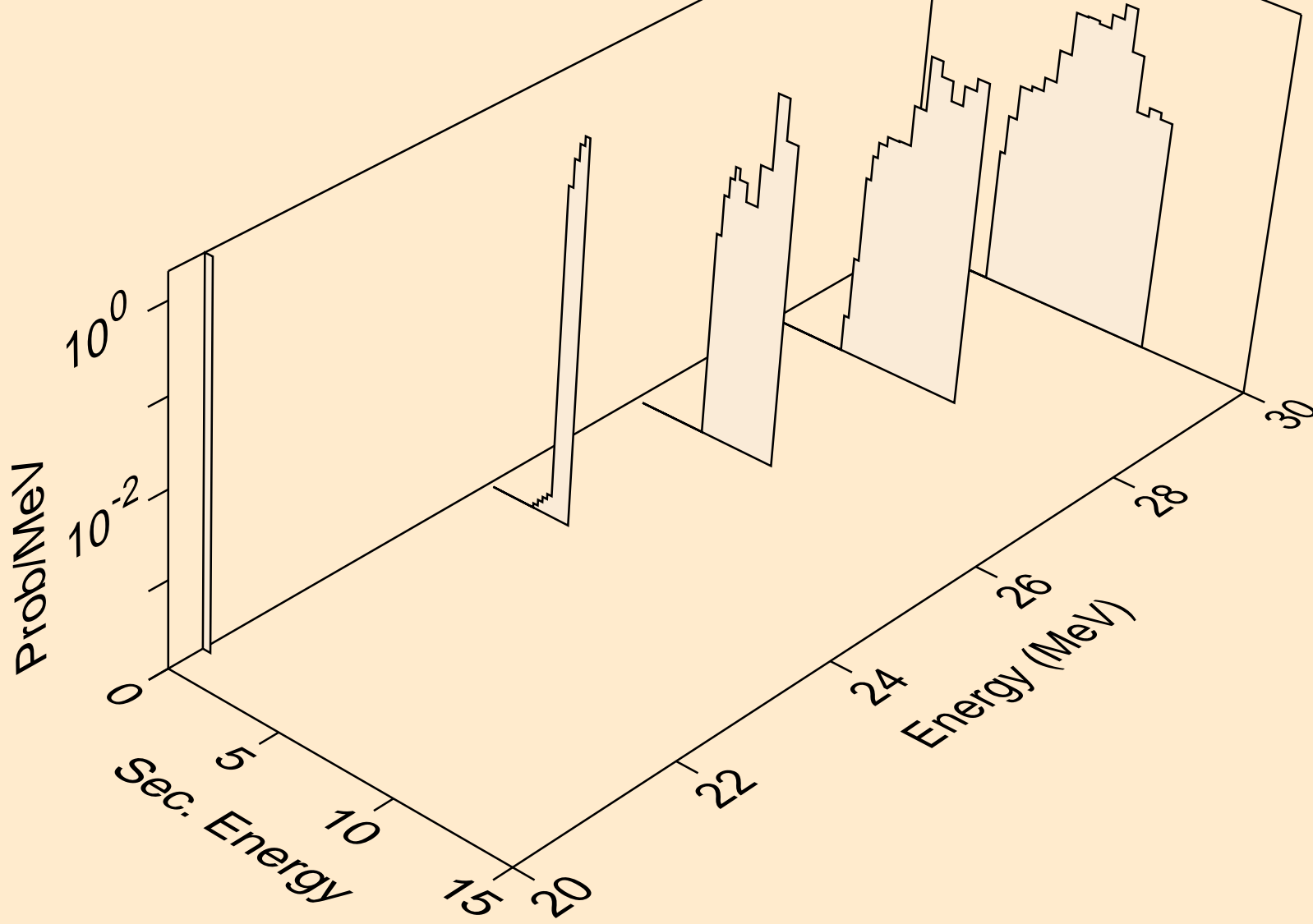


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

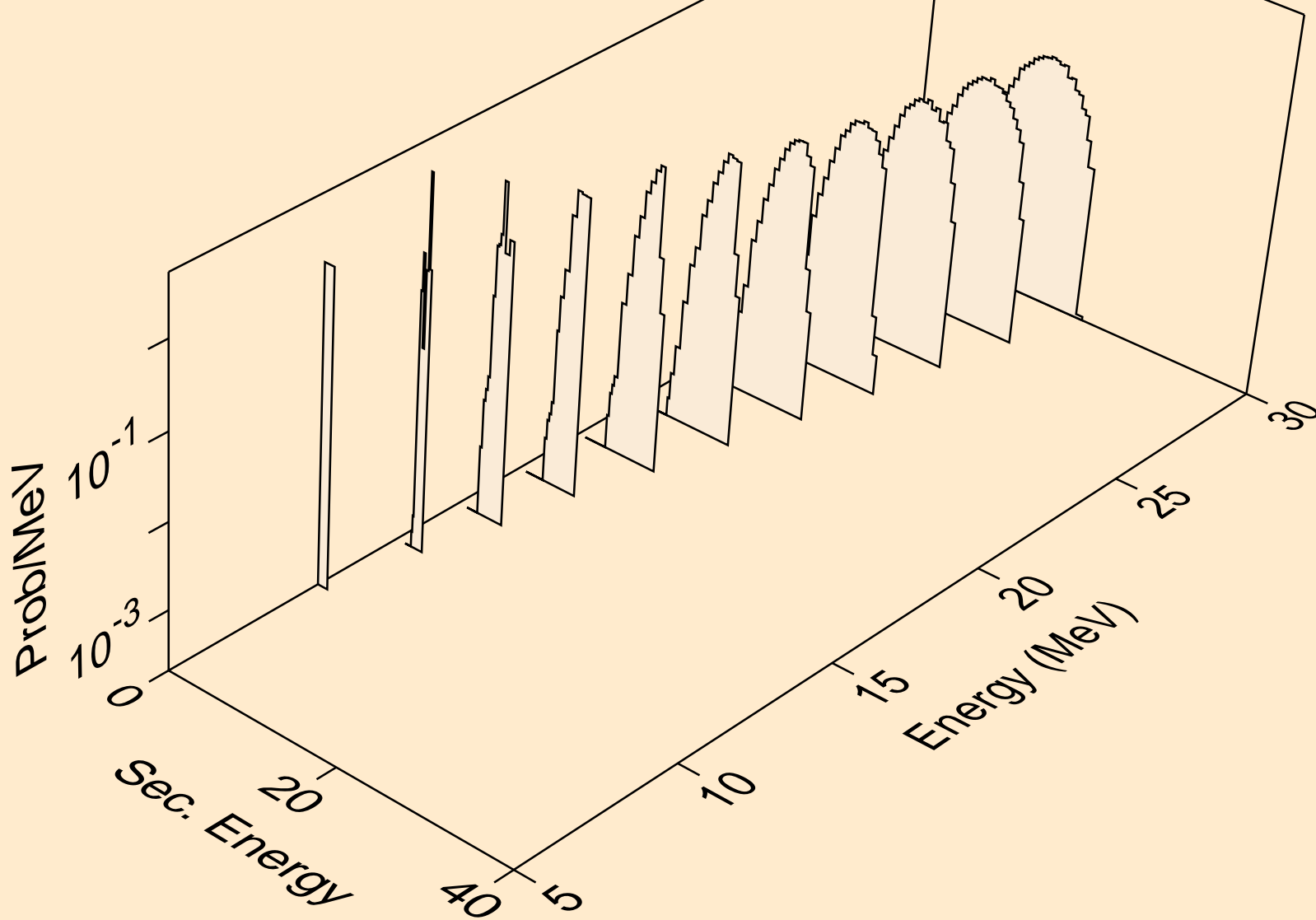




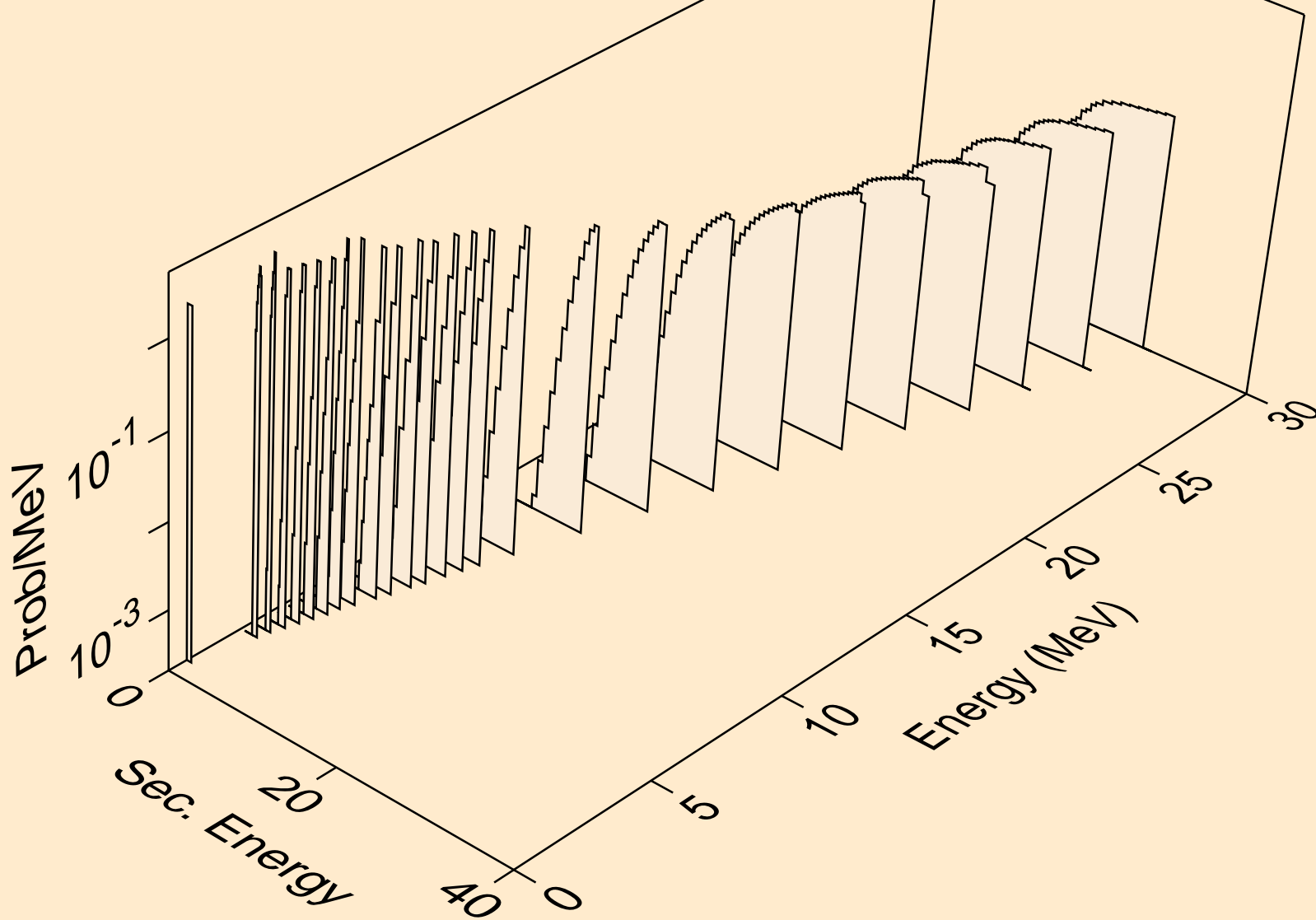
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



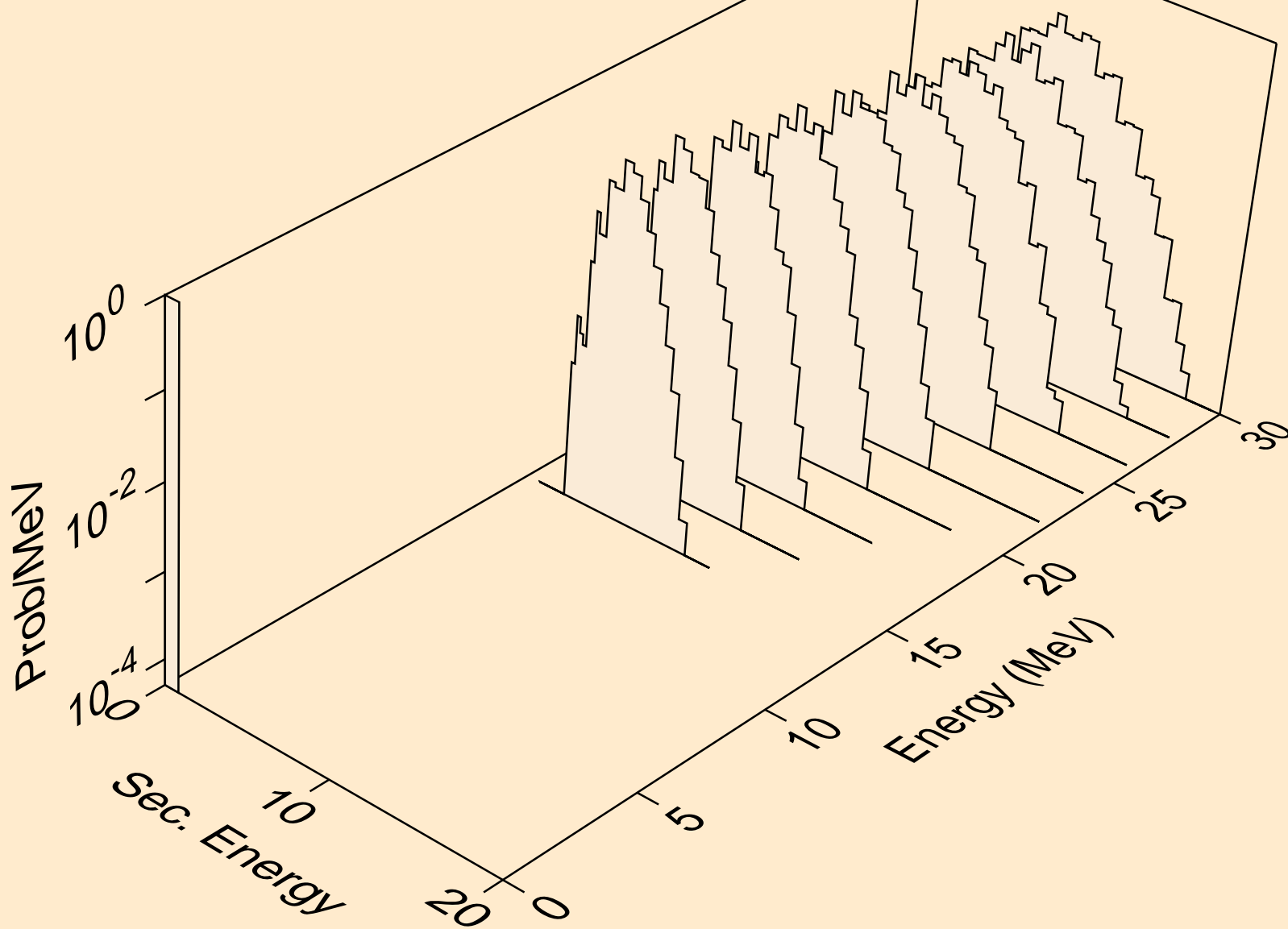
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



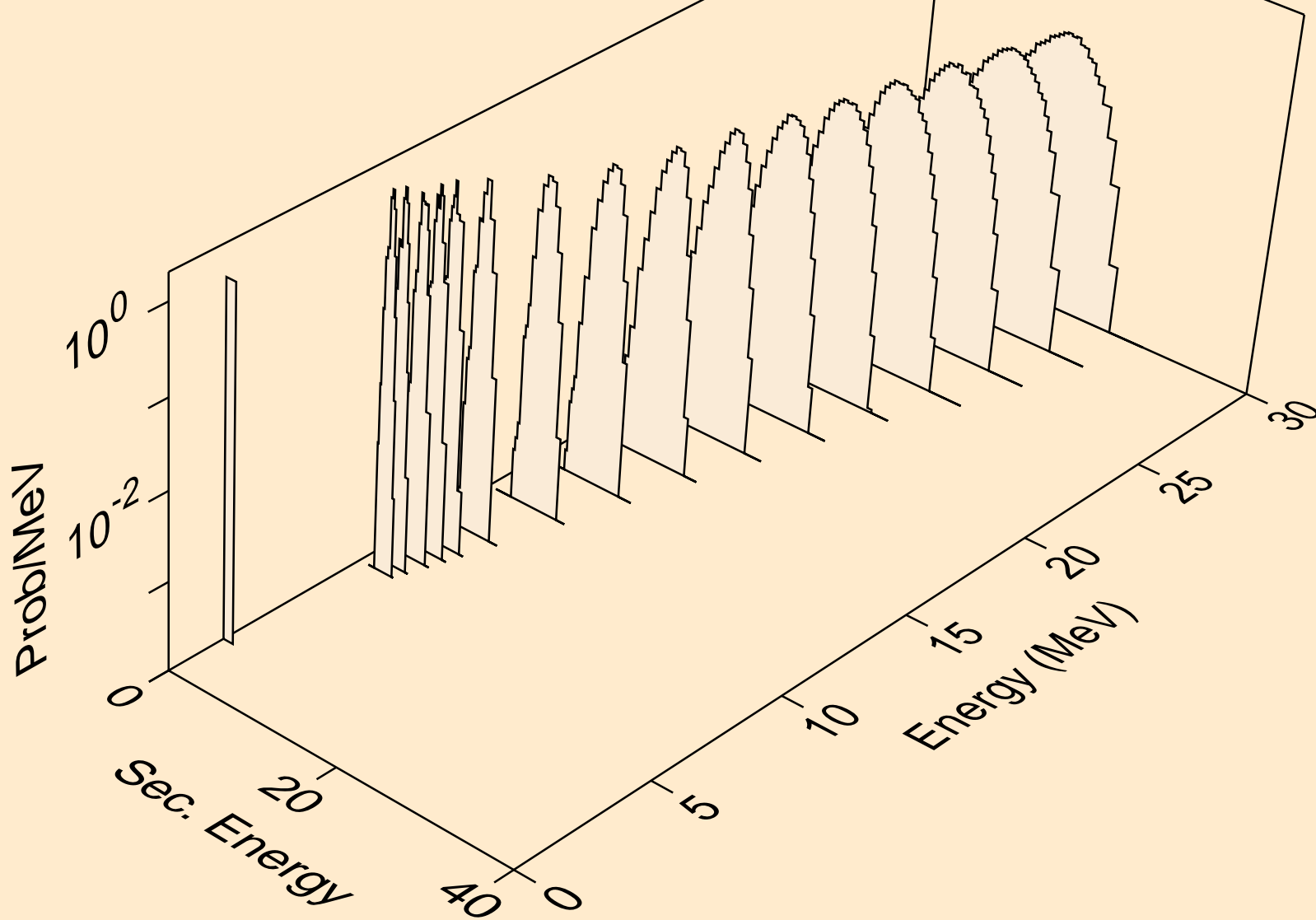
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



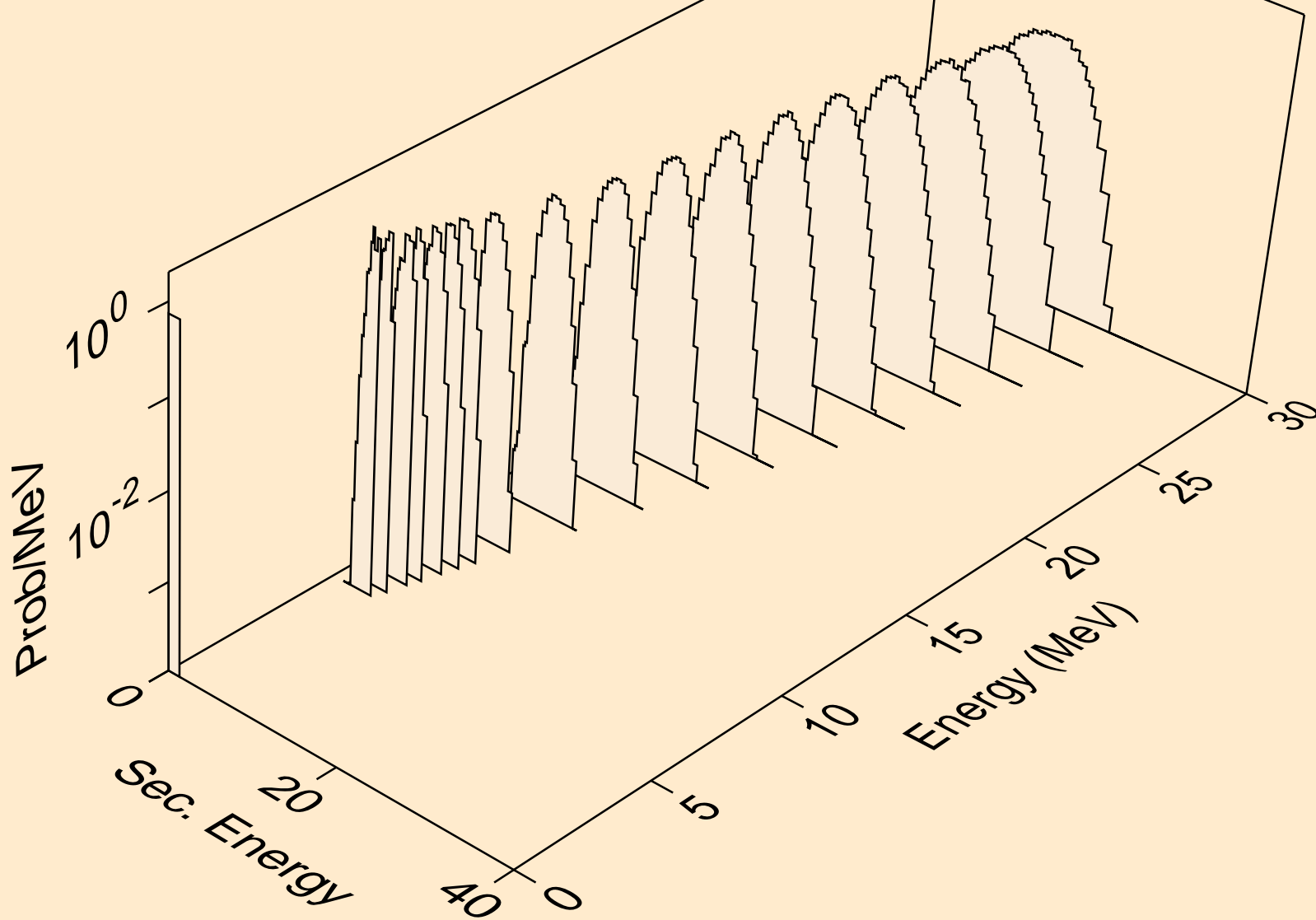
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d2a)



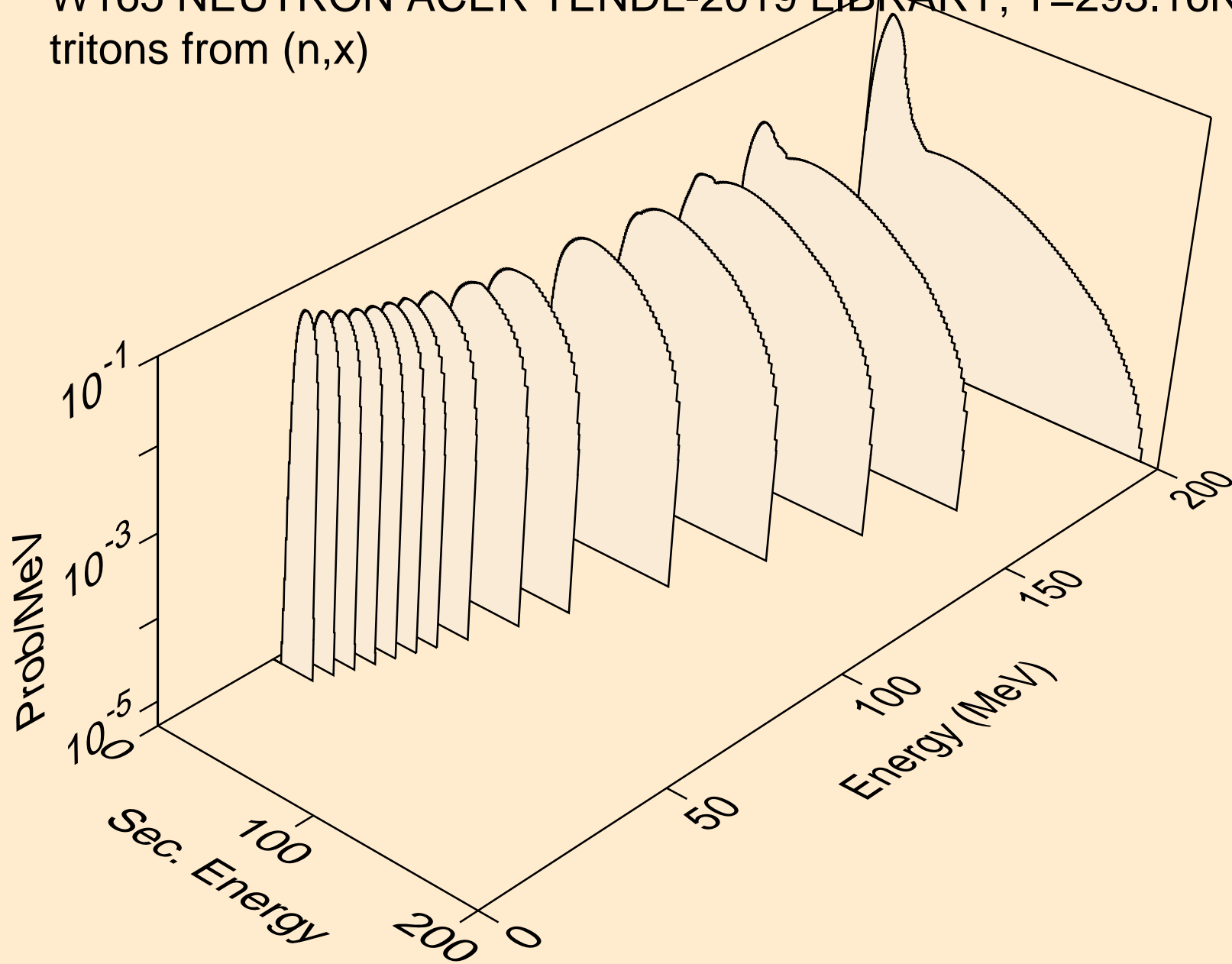
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



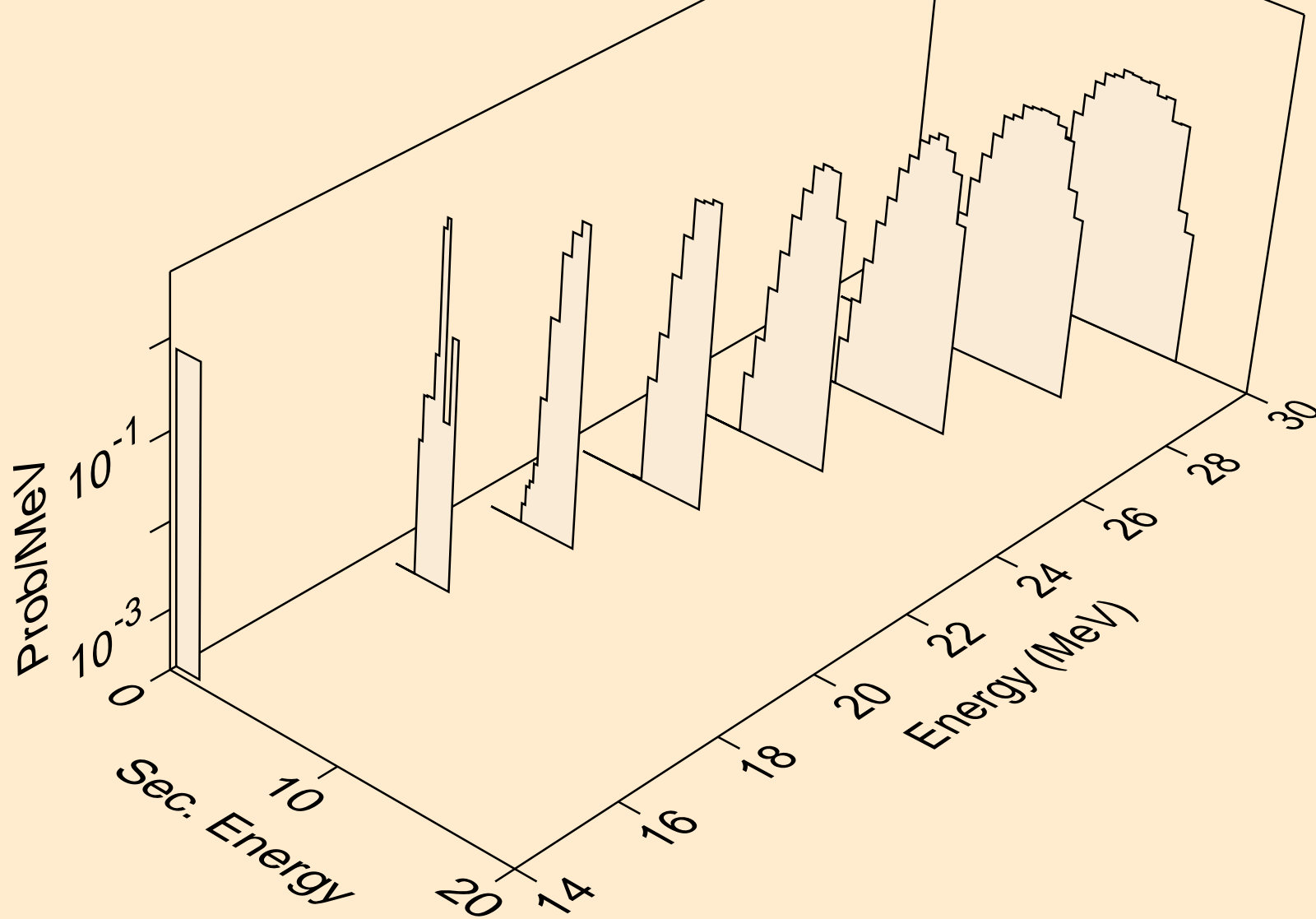
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

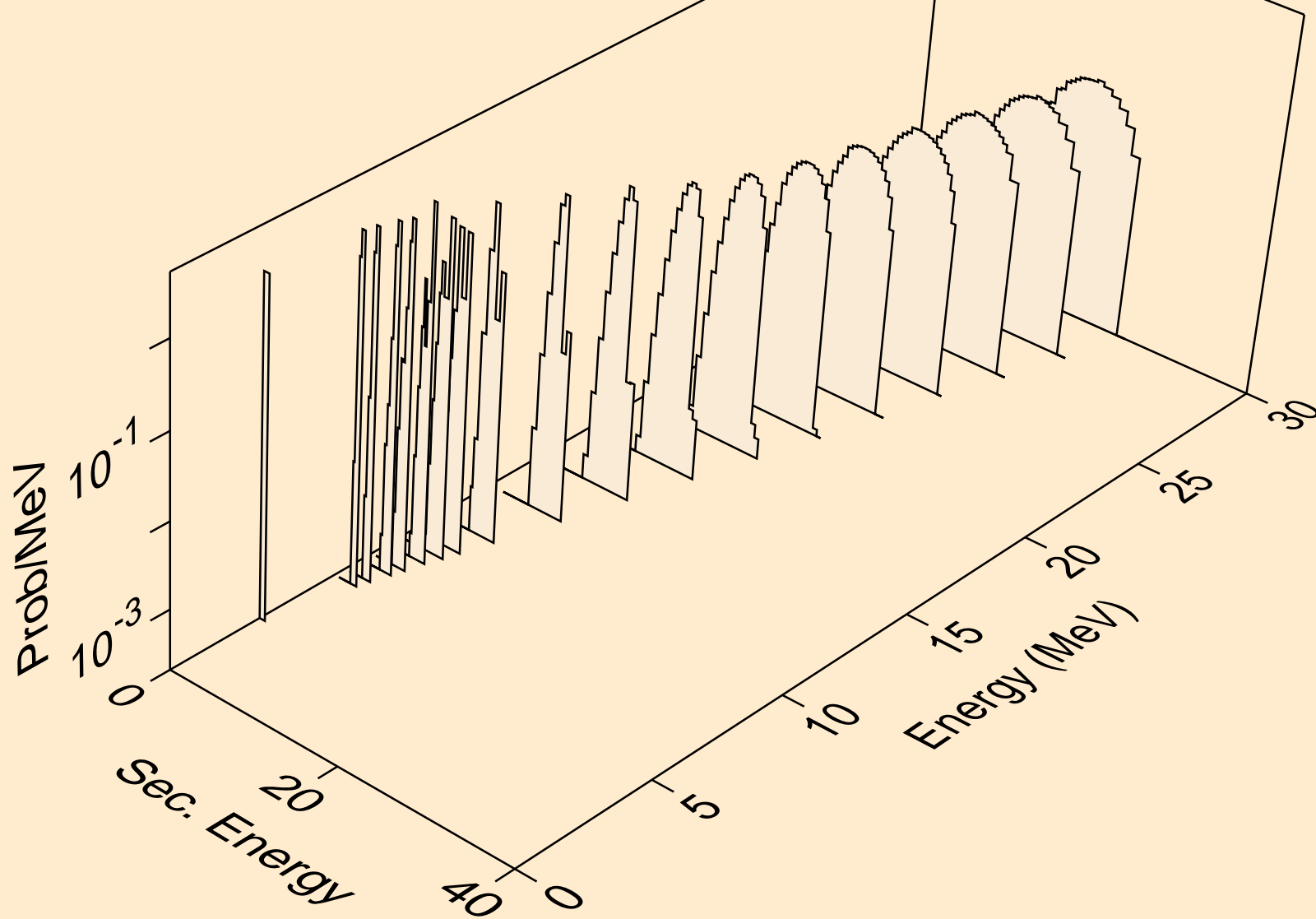


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

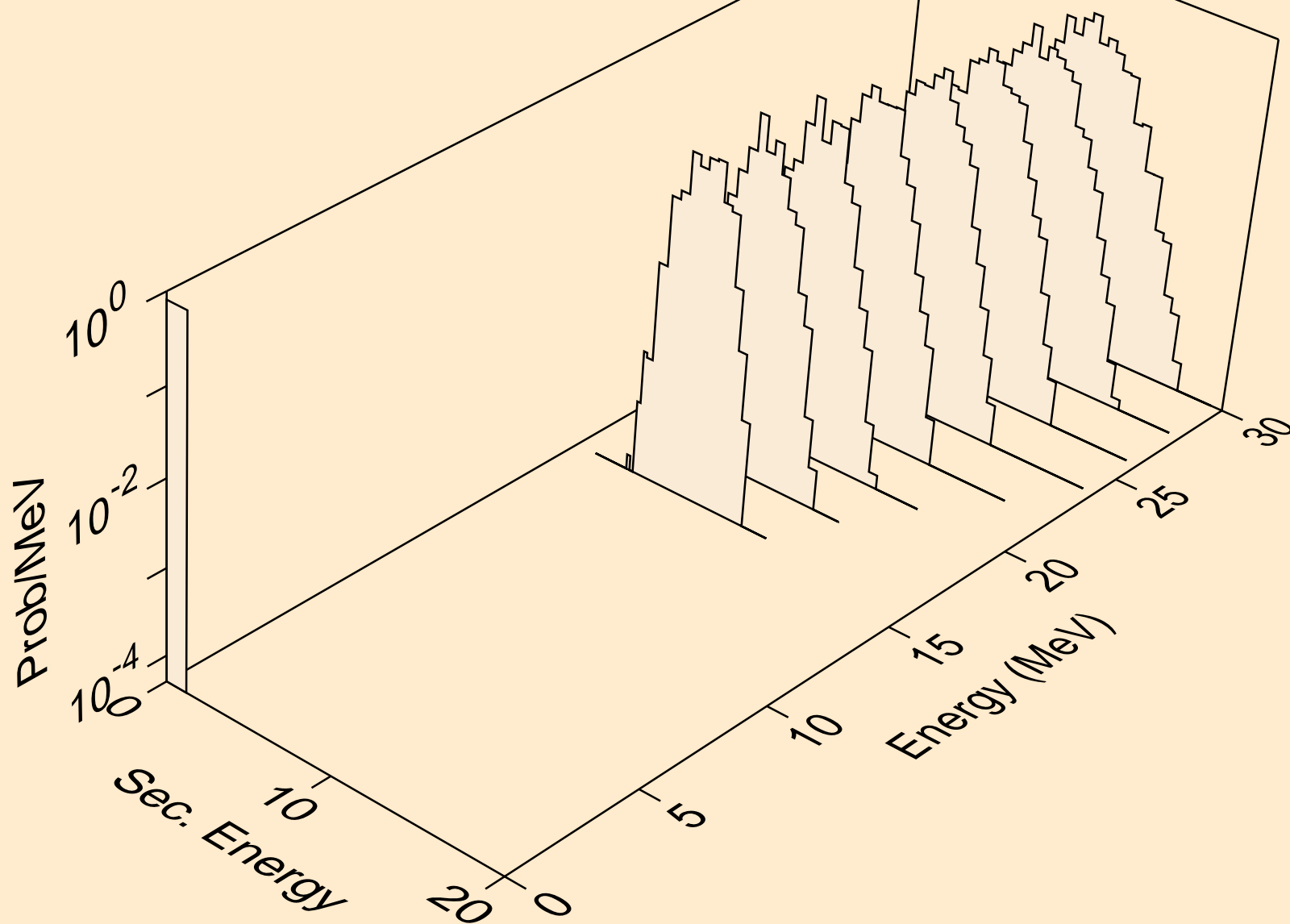




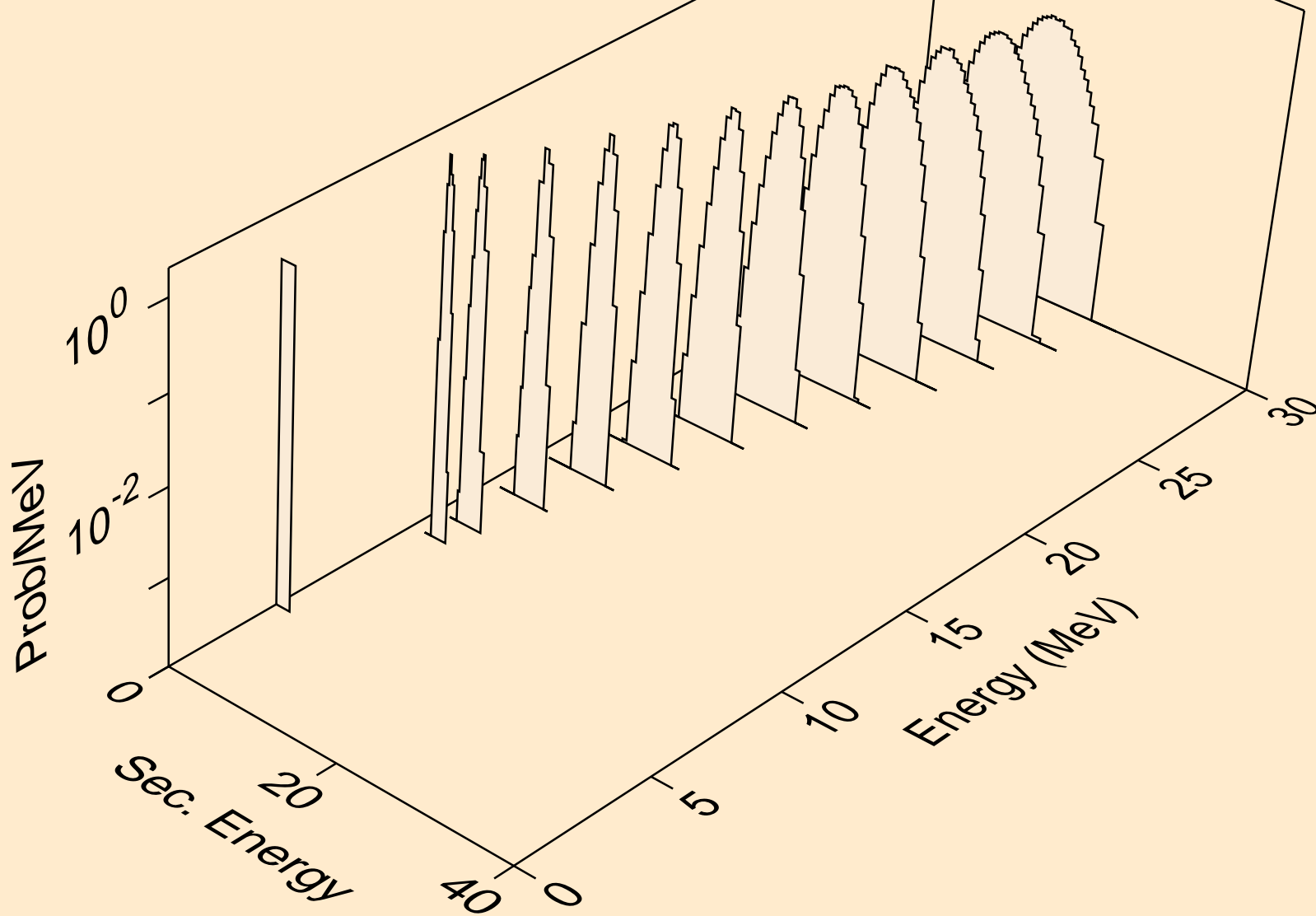
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



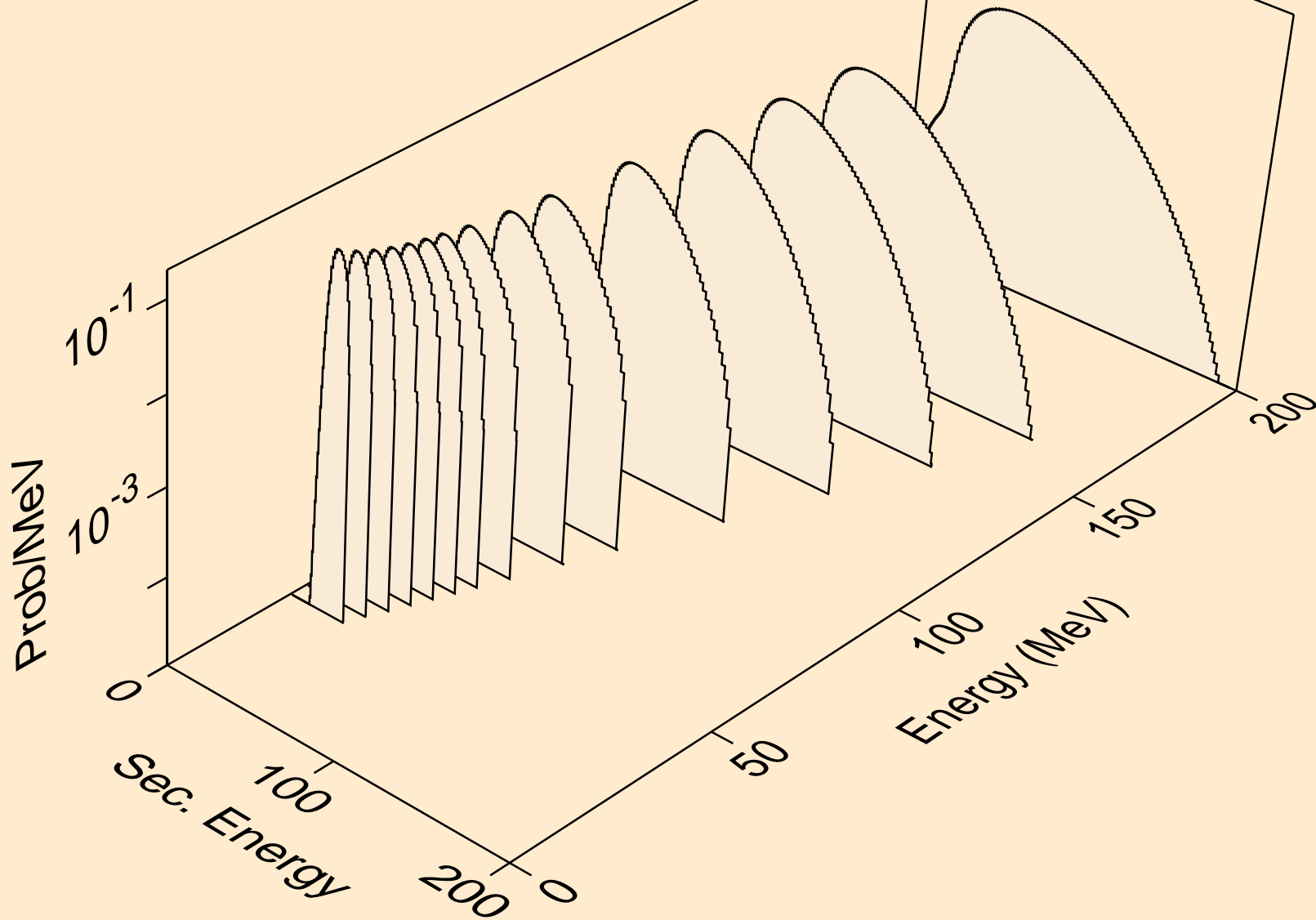
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t2a)



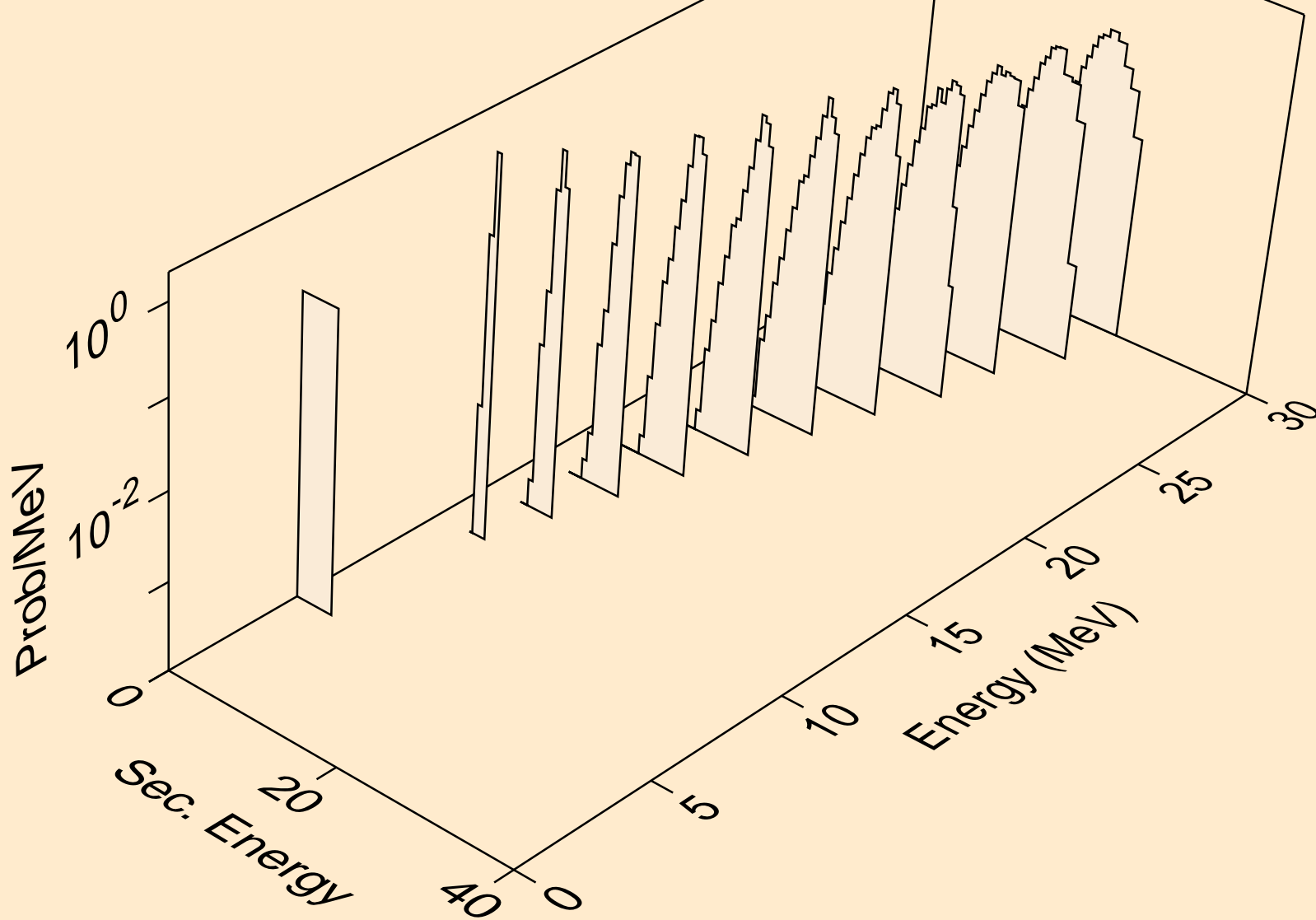
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



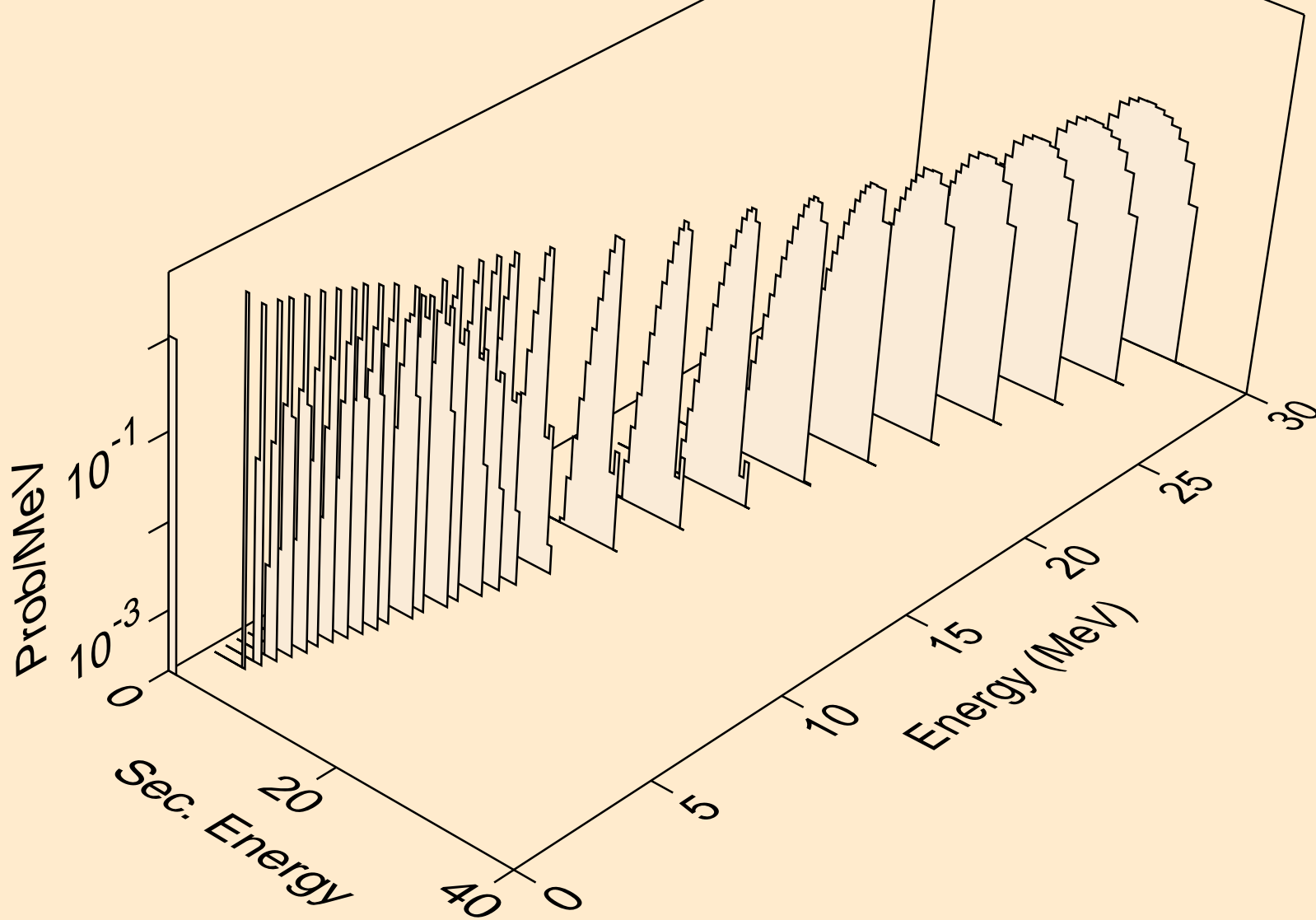
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



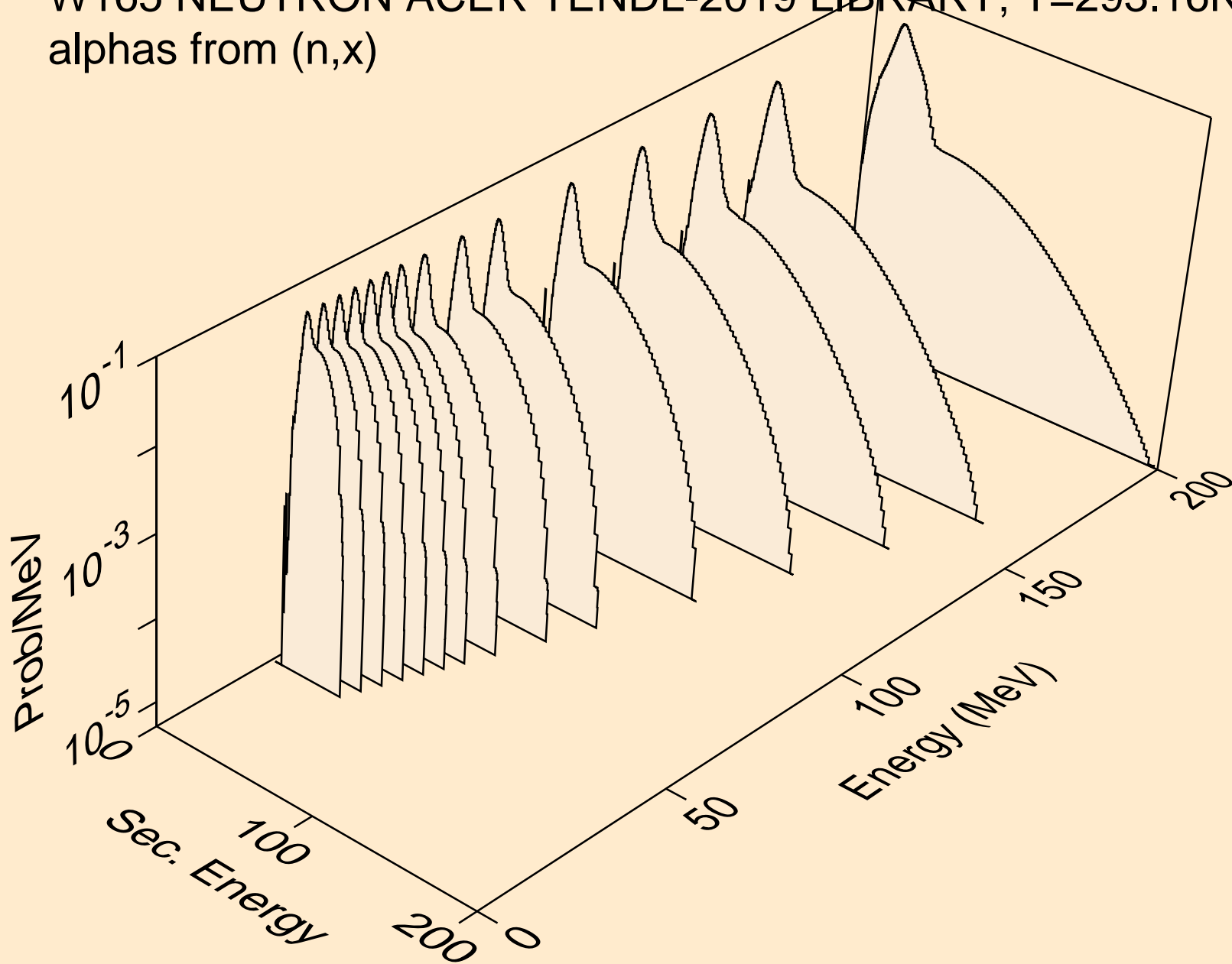
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



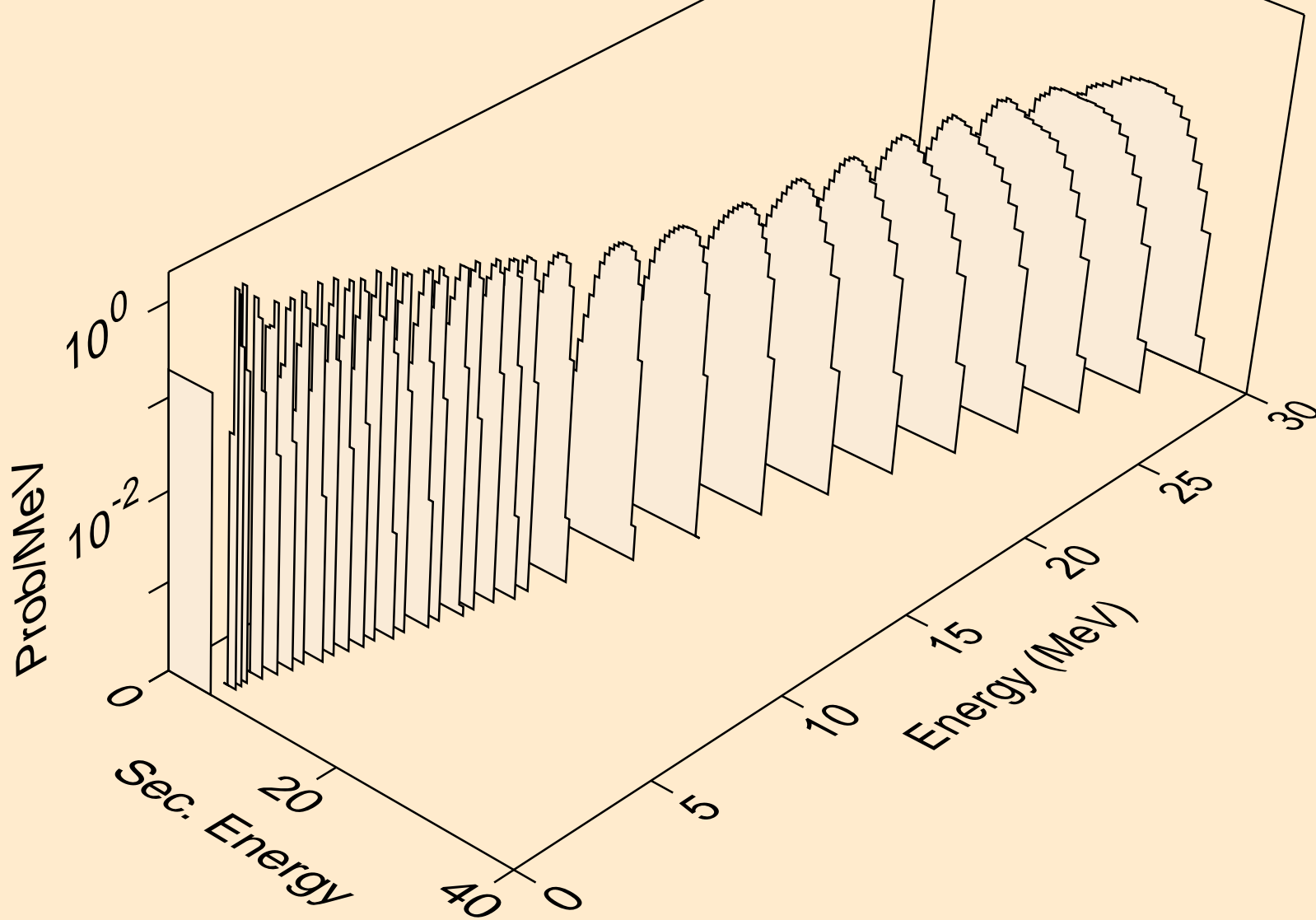
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

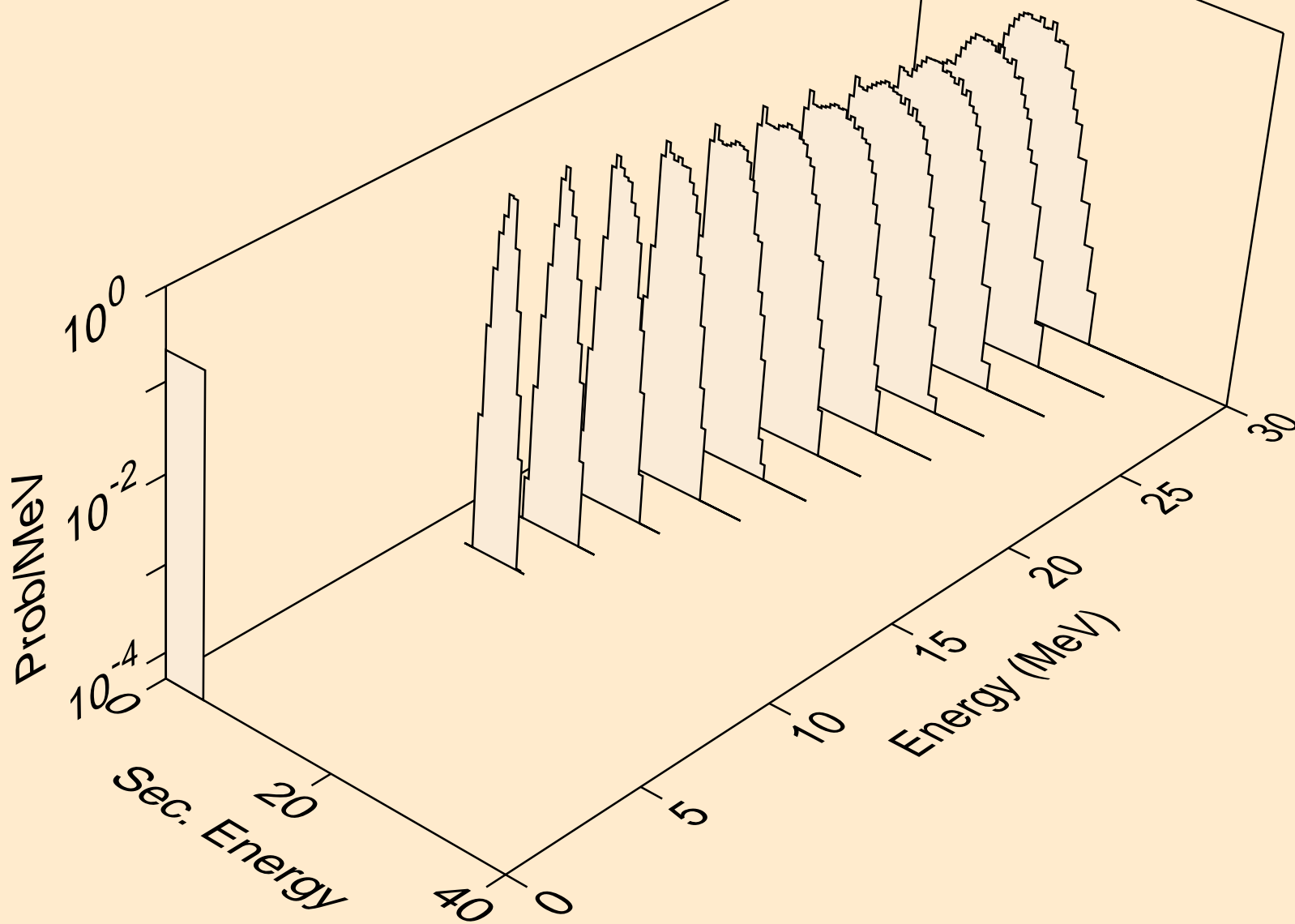


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

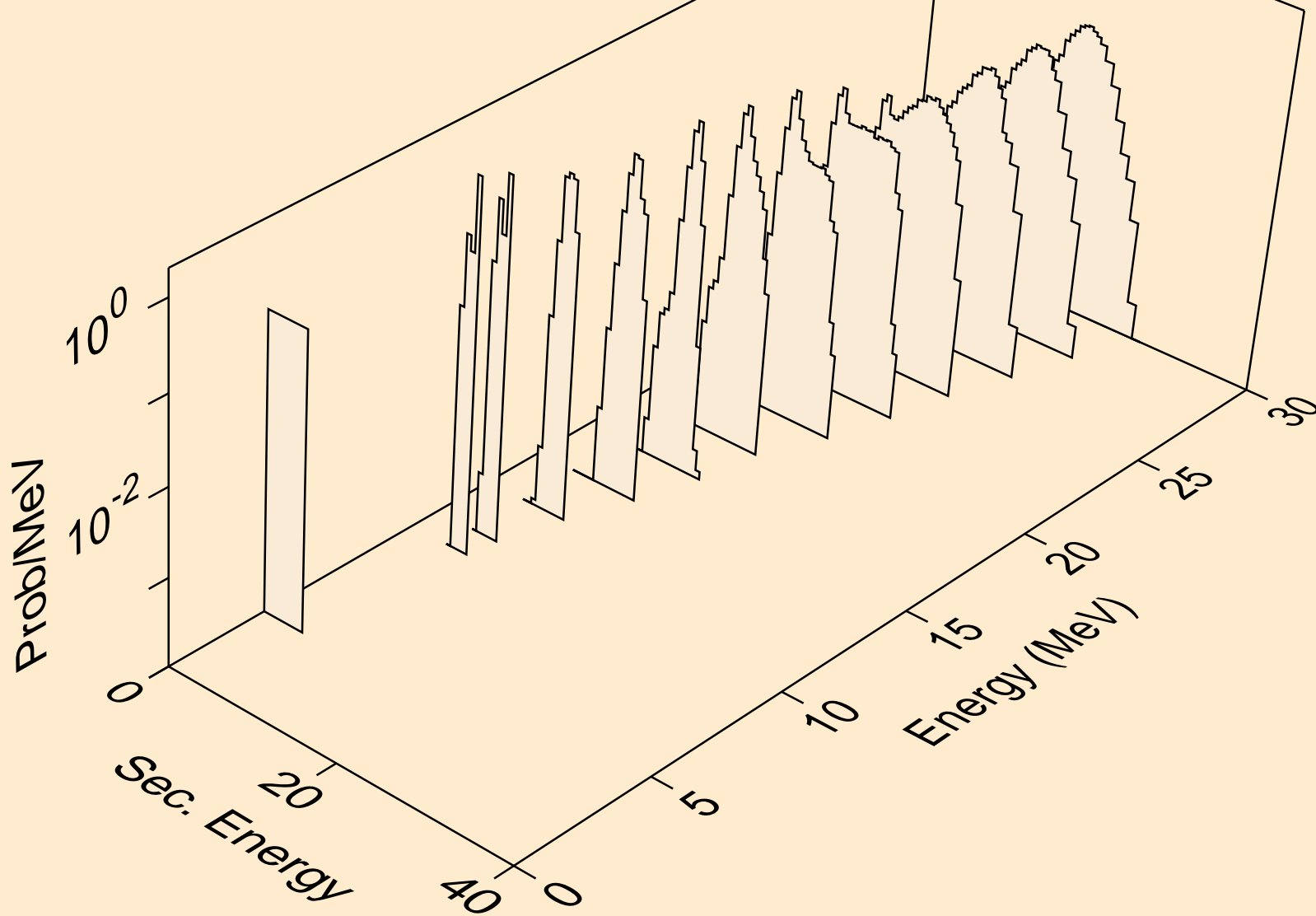




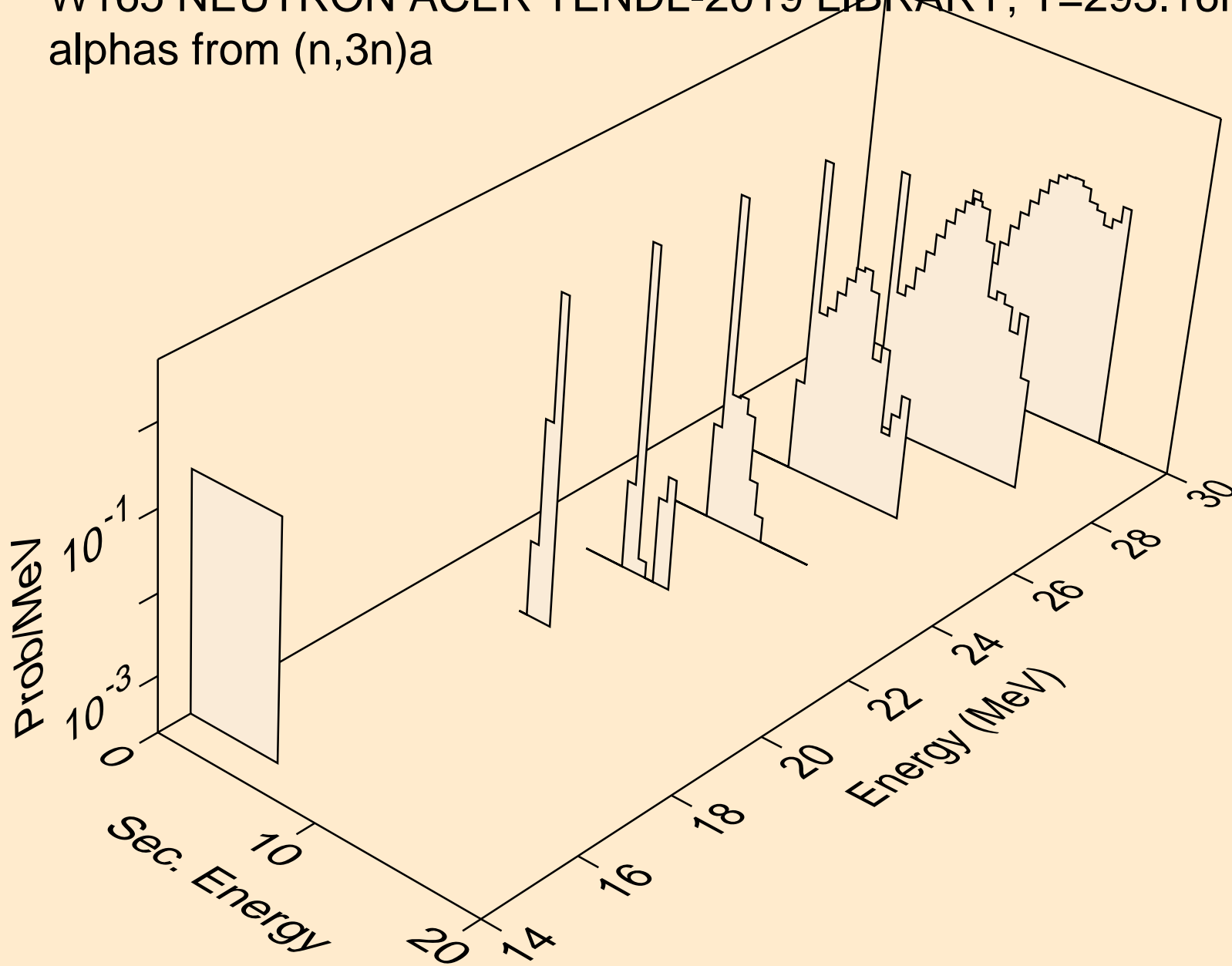
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)3a



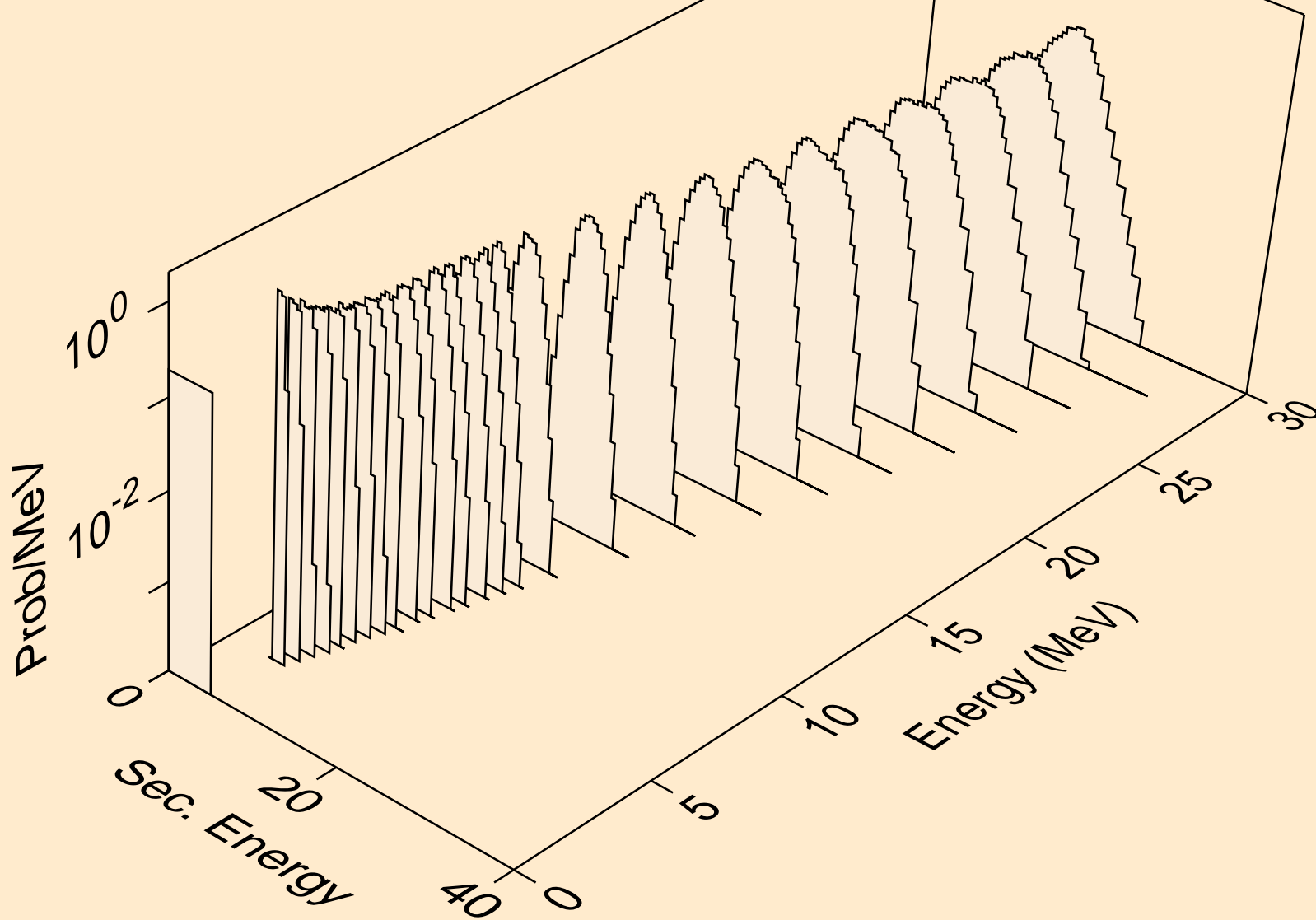
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



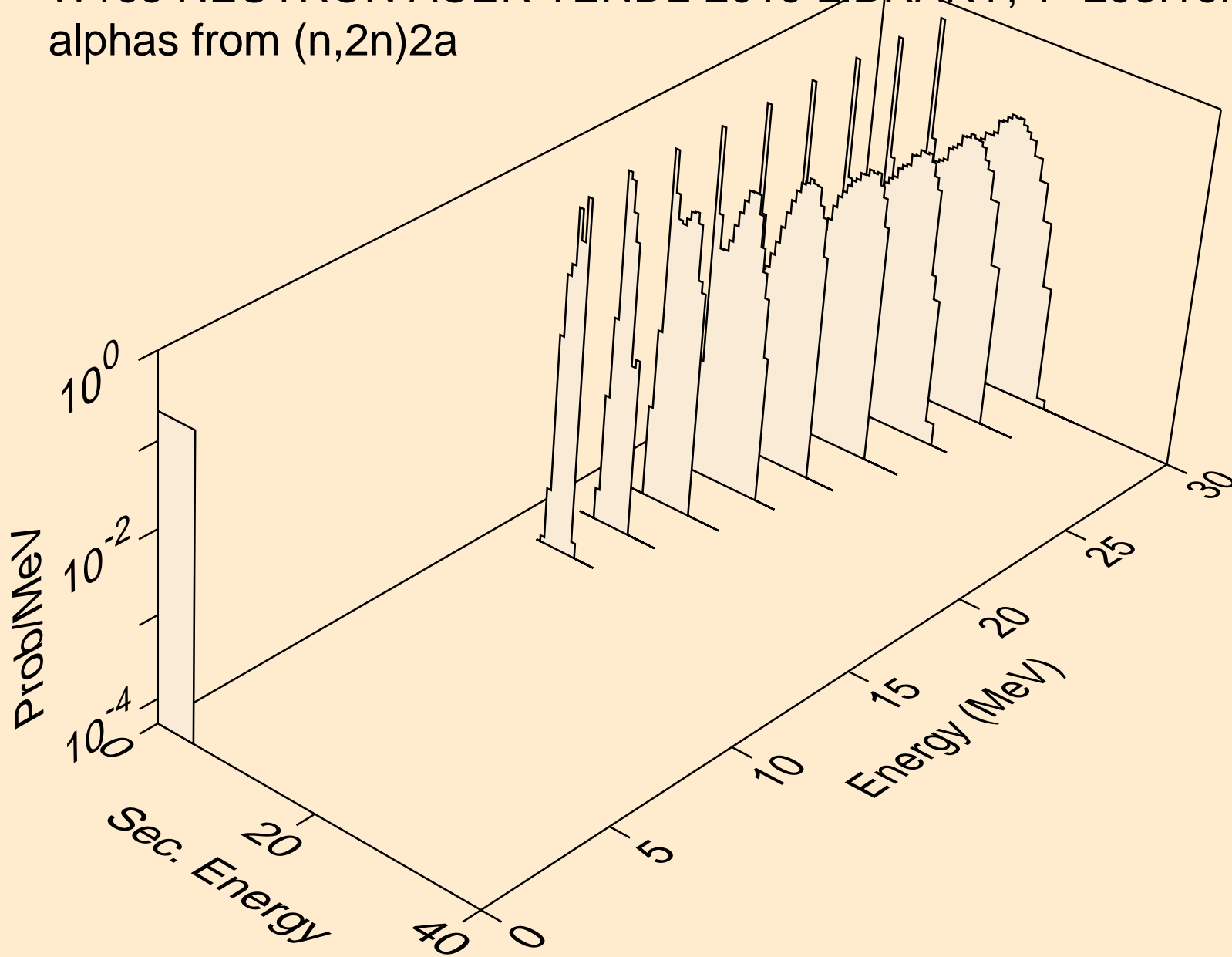
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



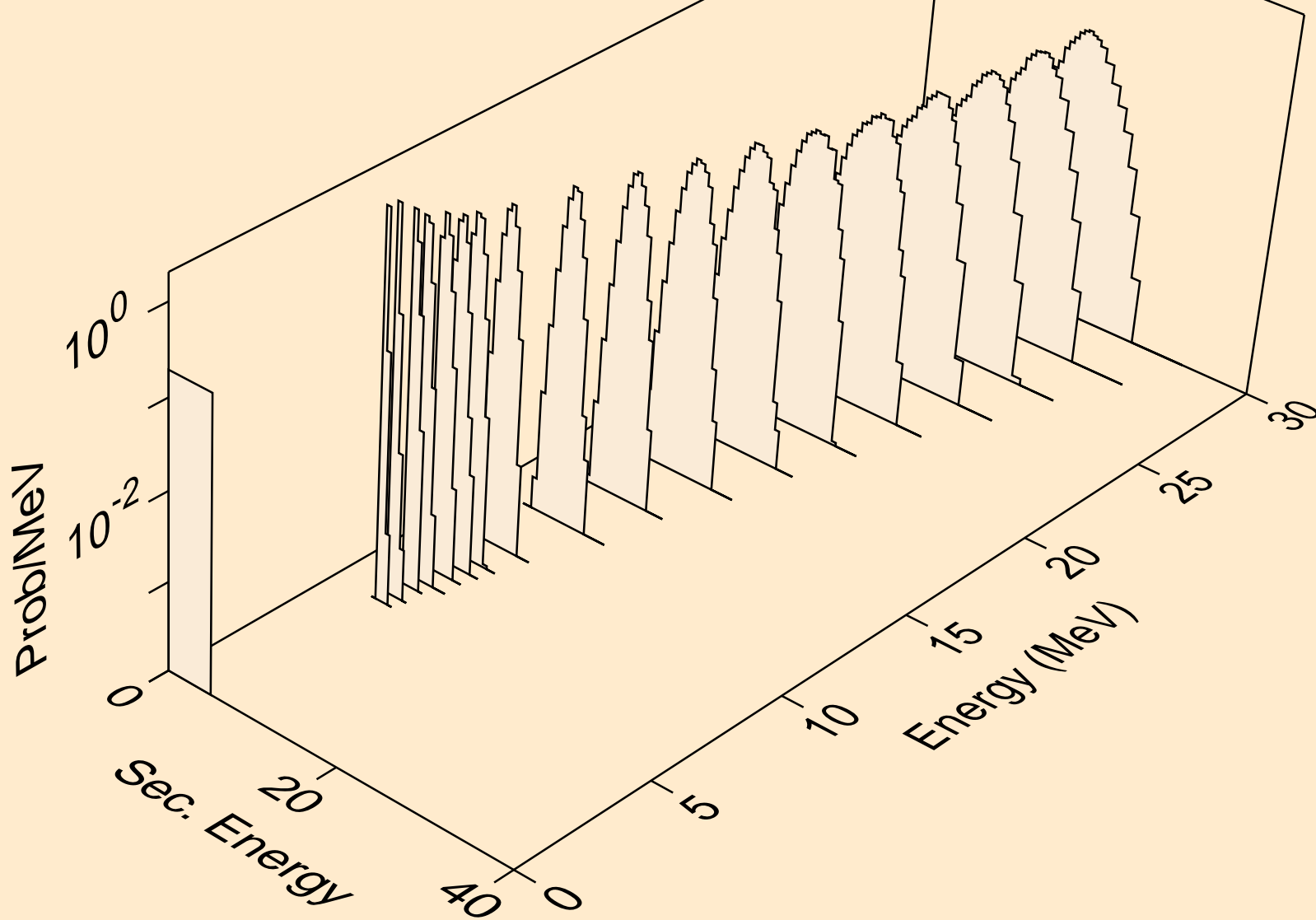
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



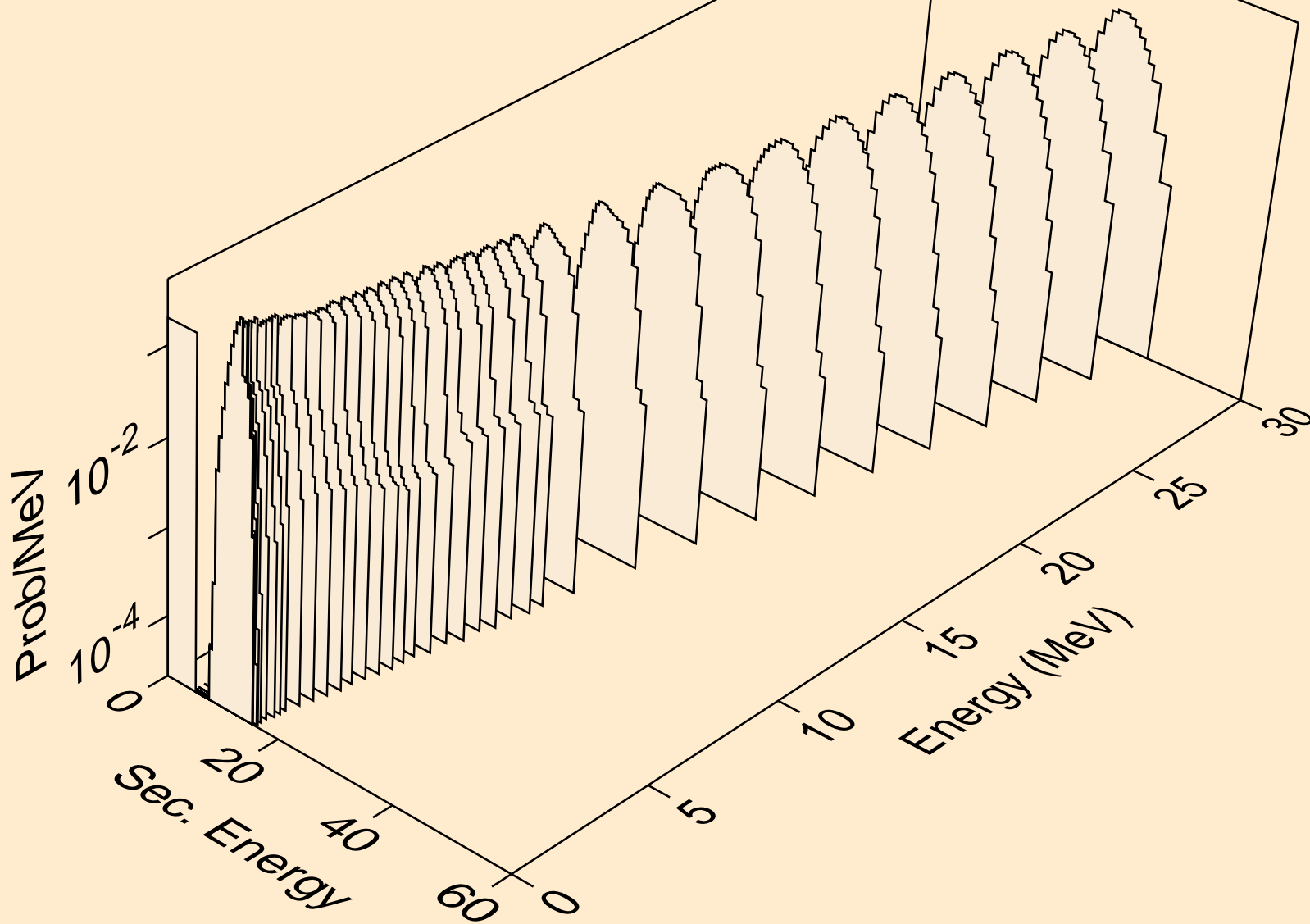
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



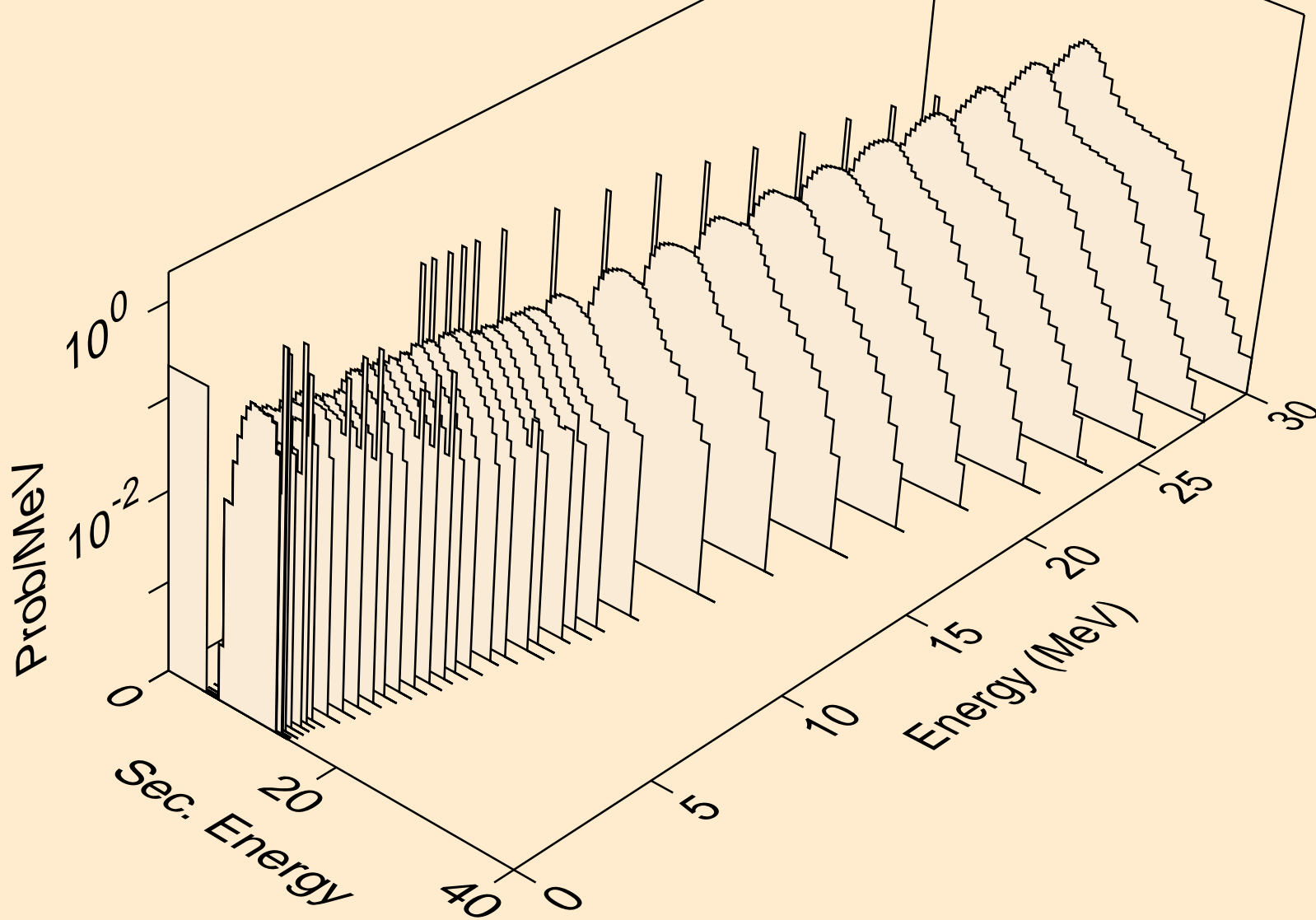
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

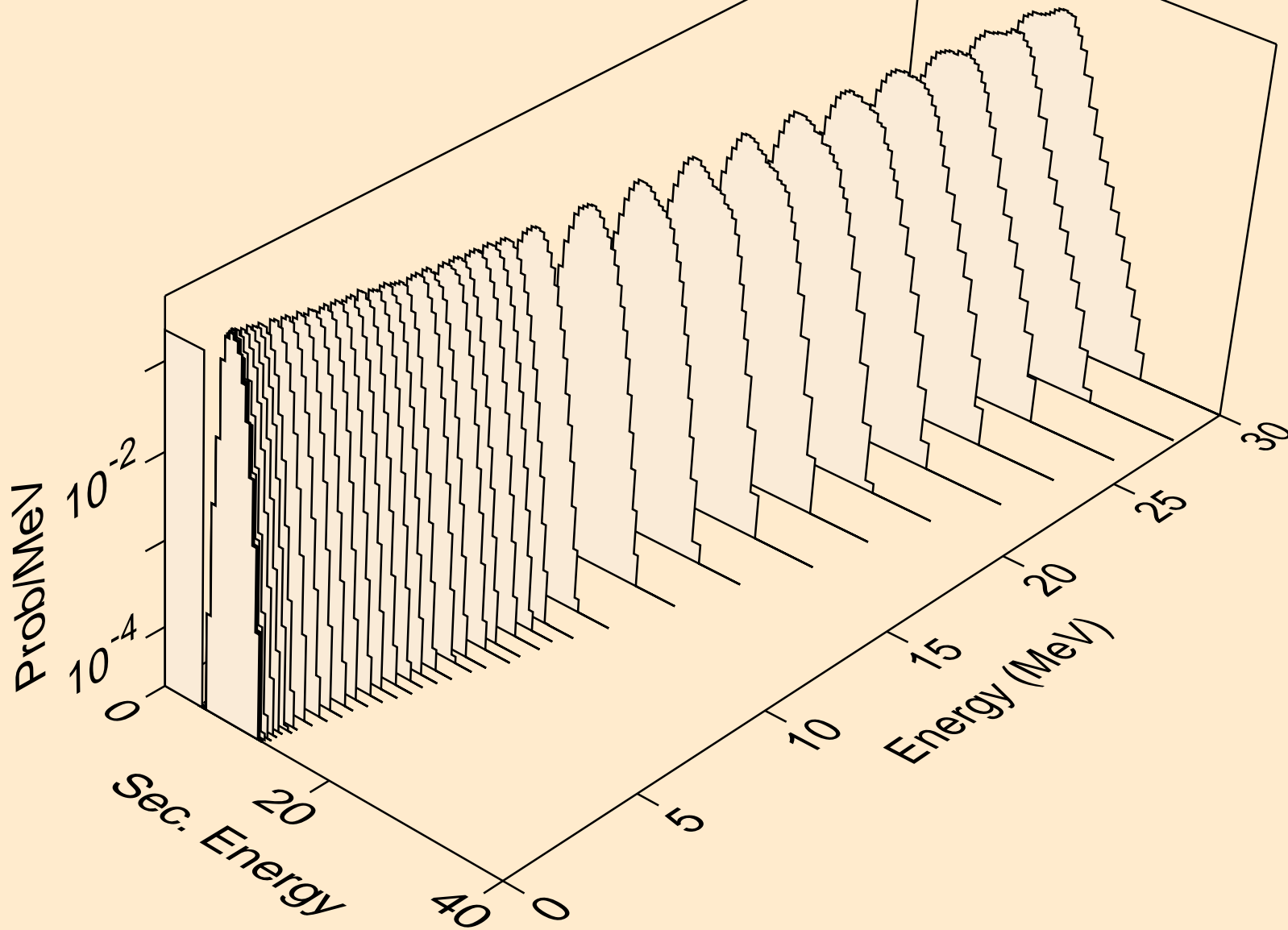


W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)

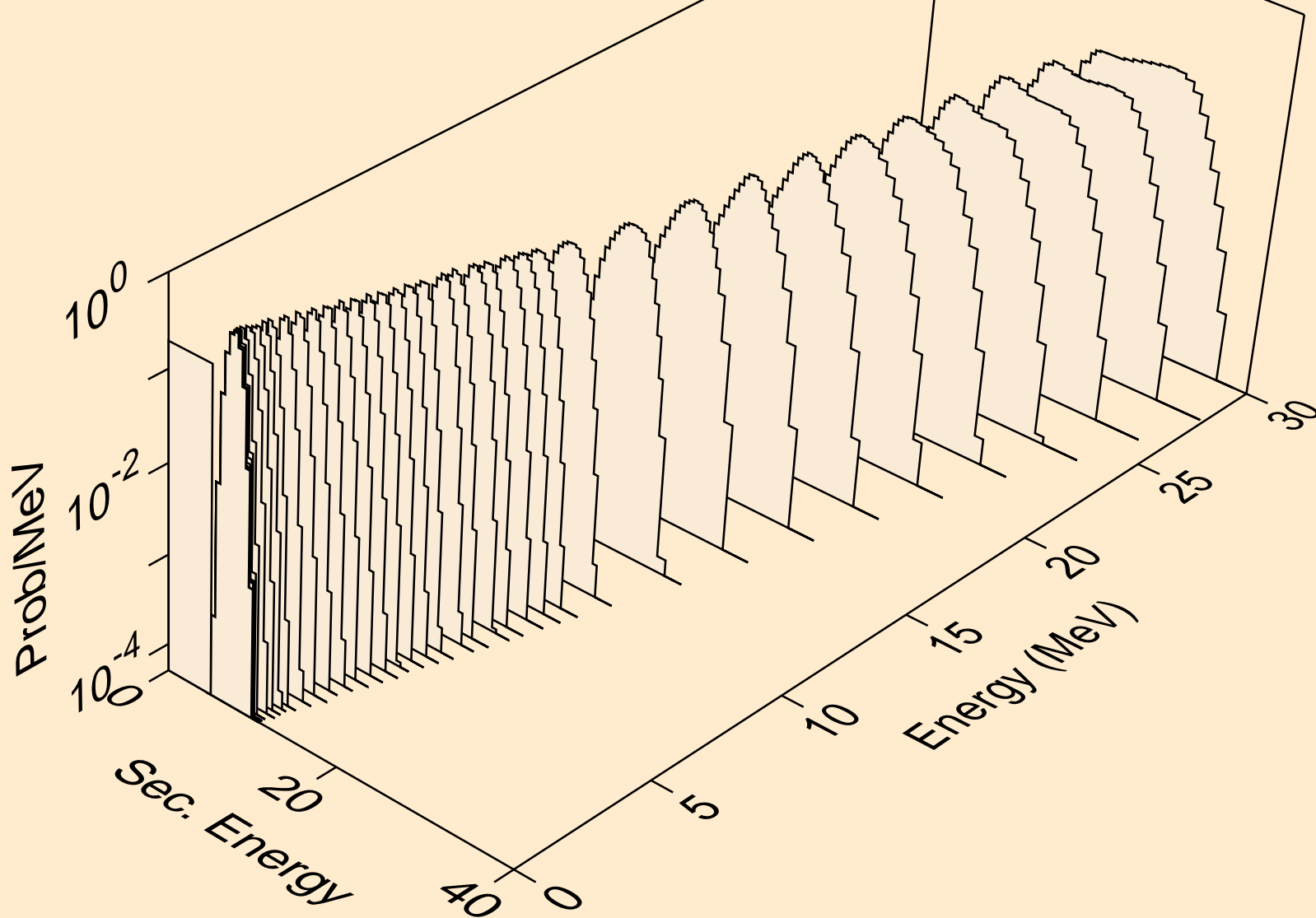




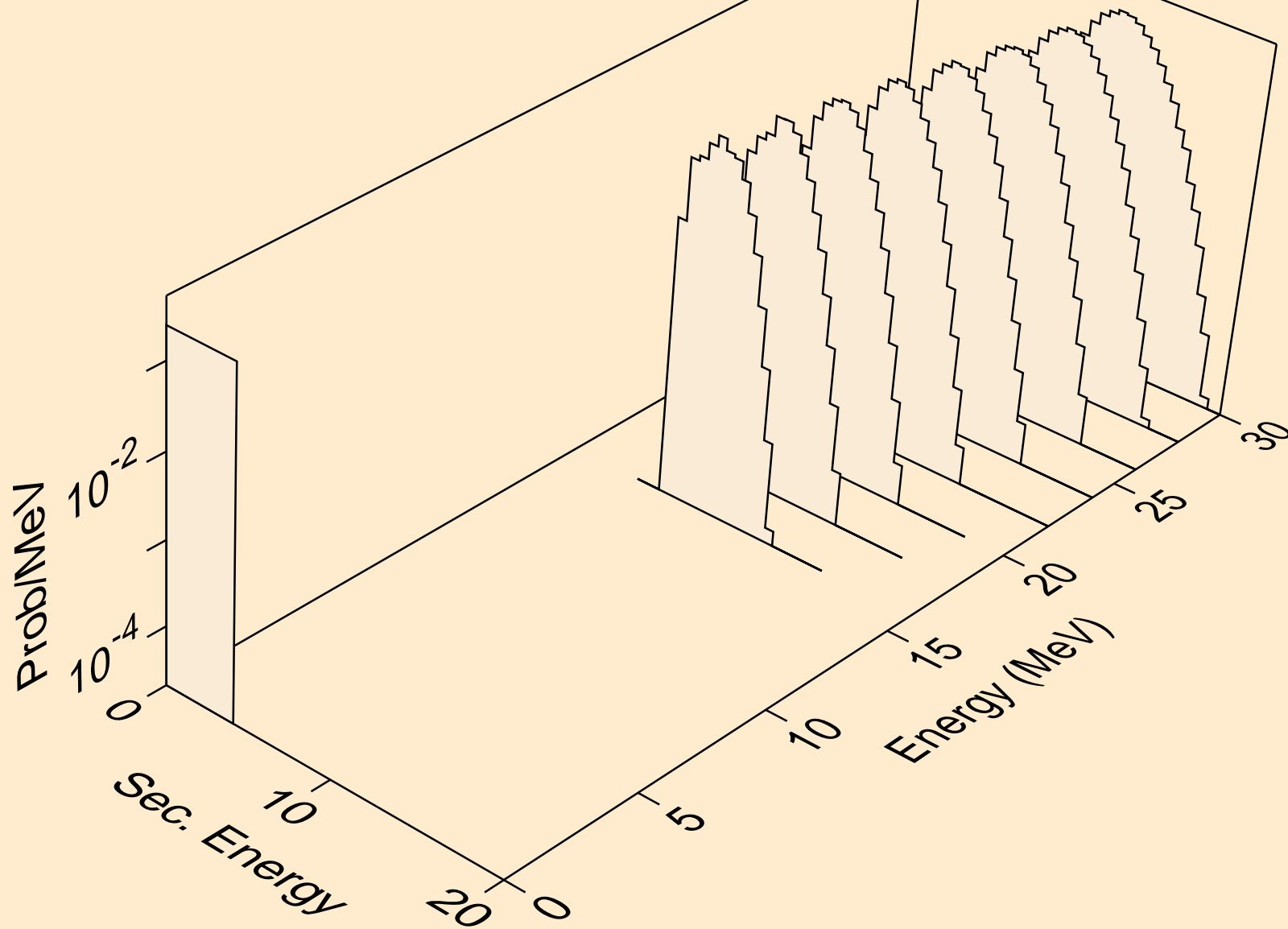
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



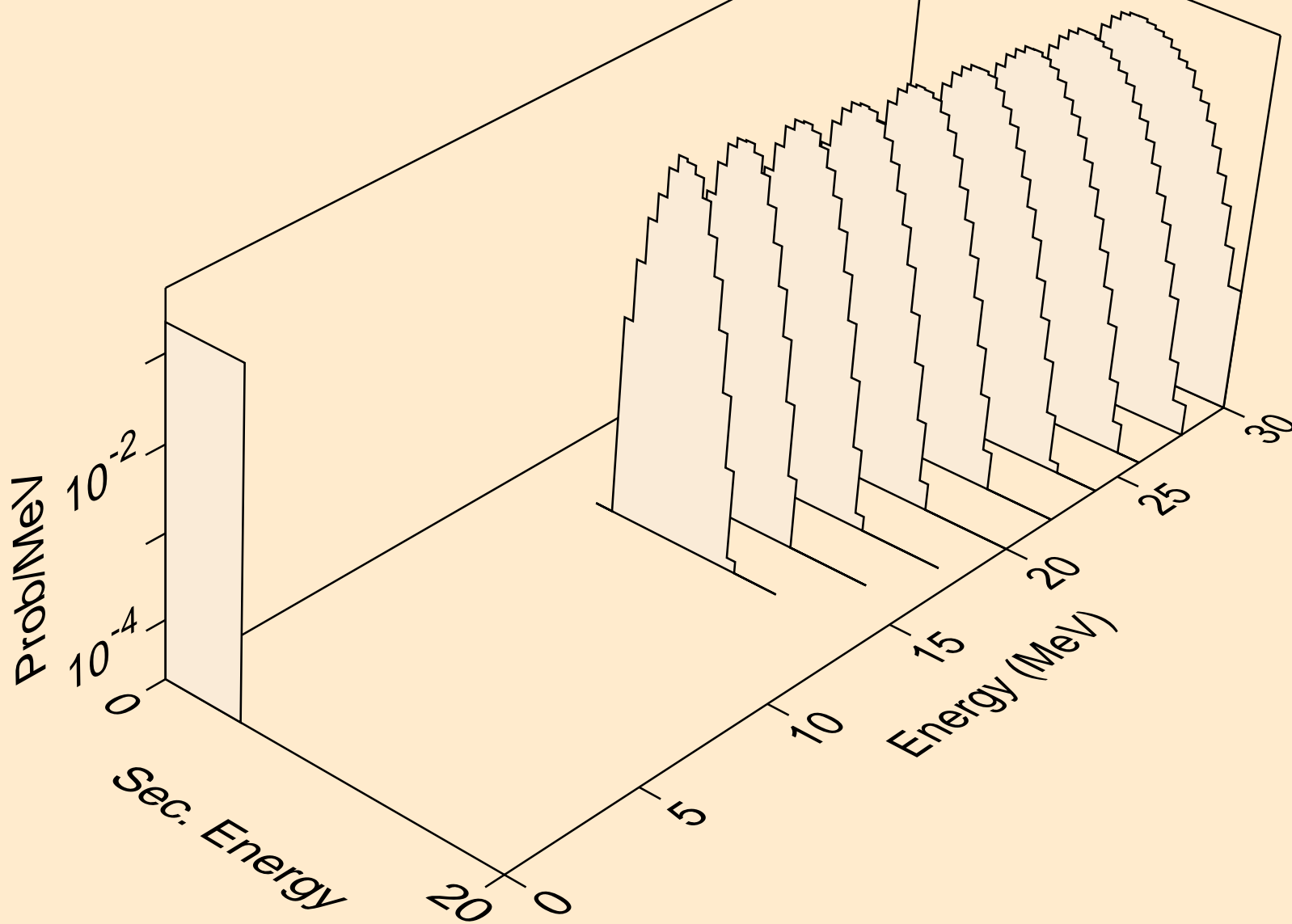
W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,p)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,t2a)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)



W165 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

