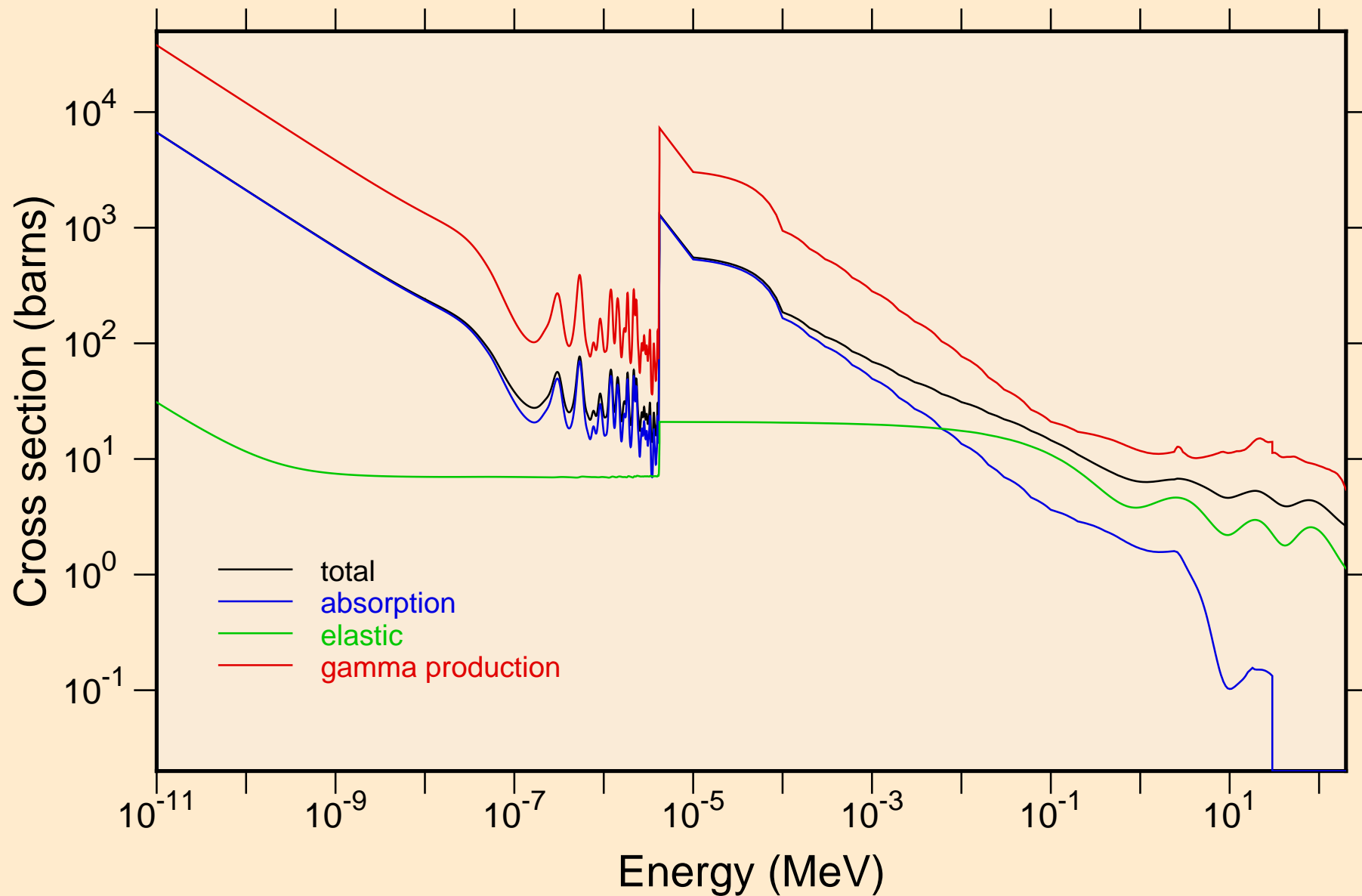
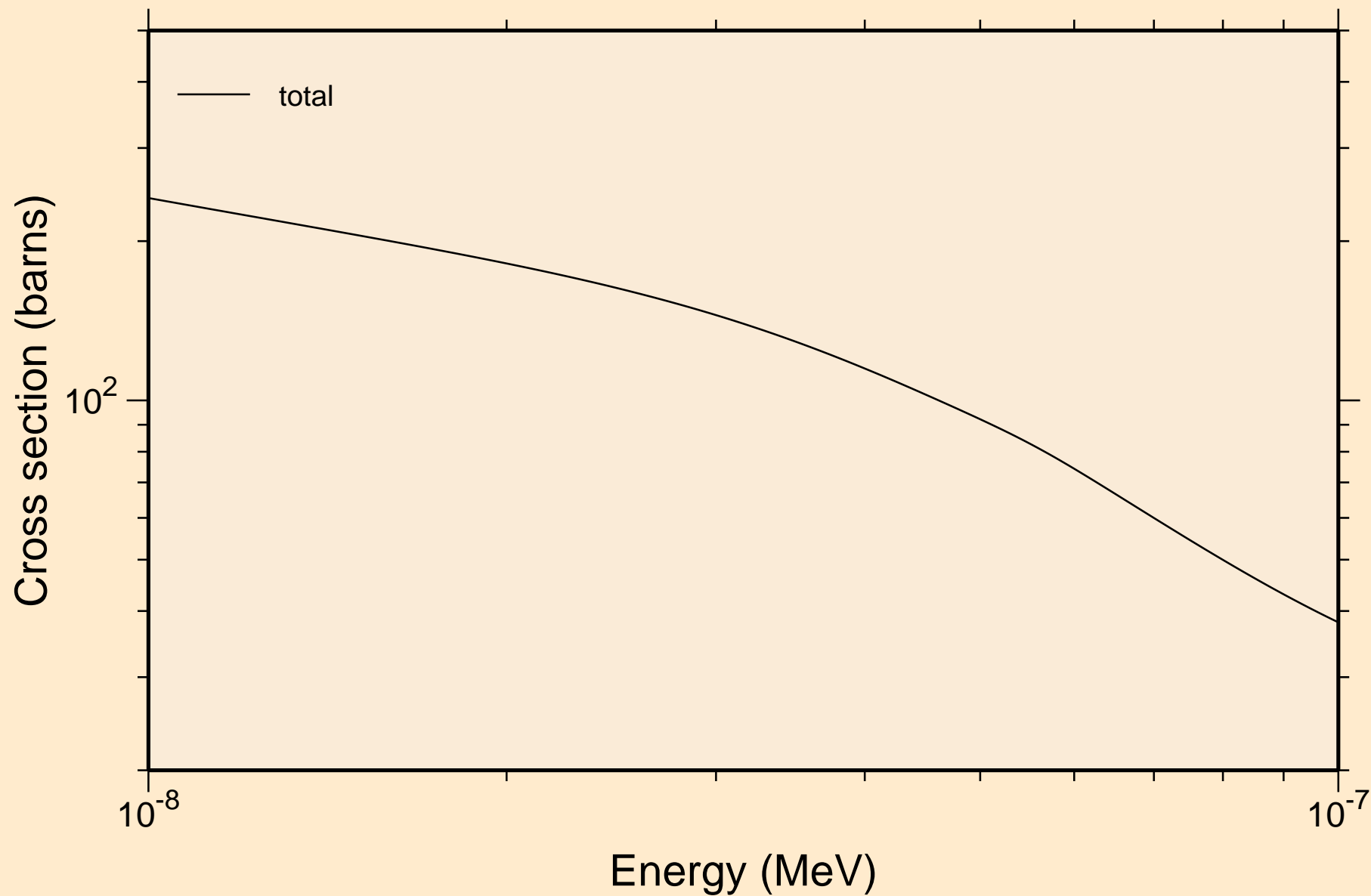


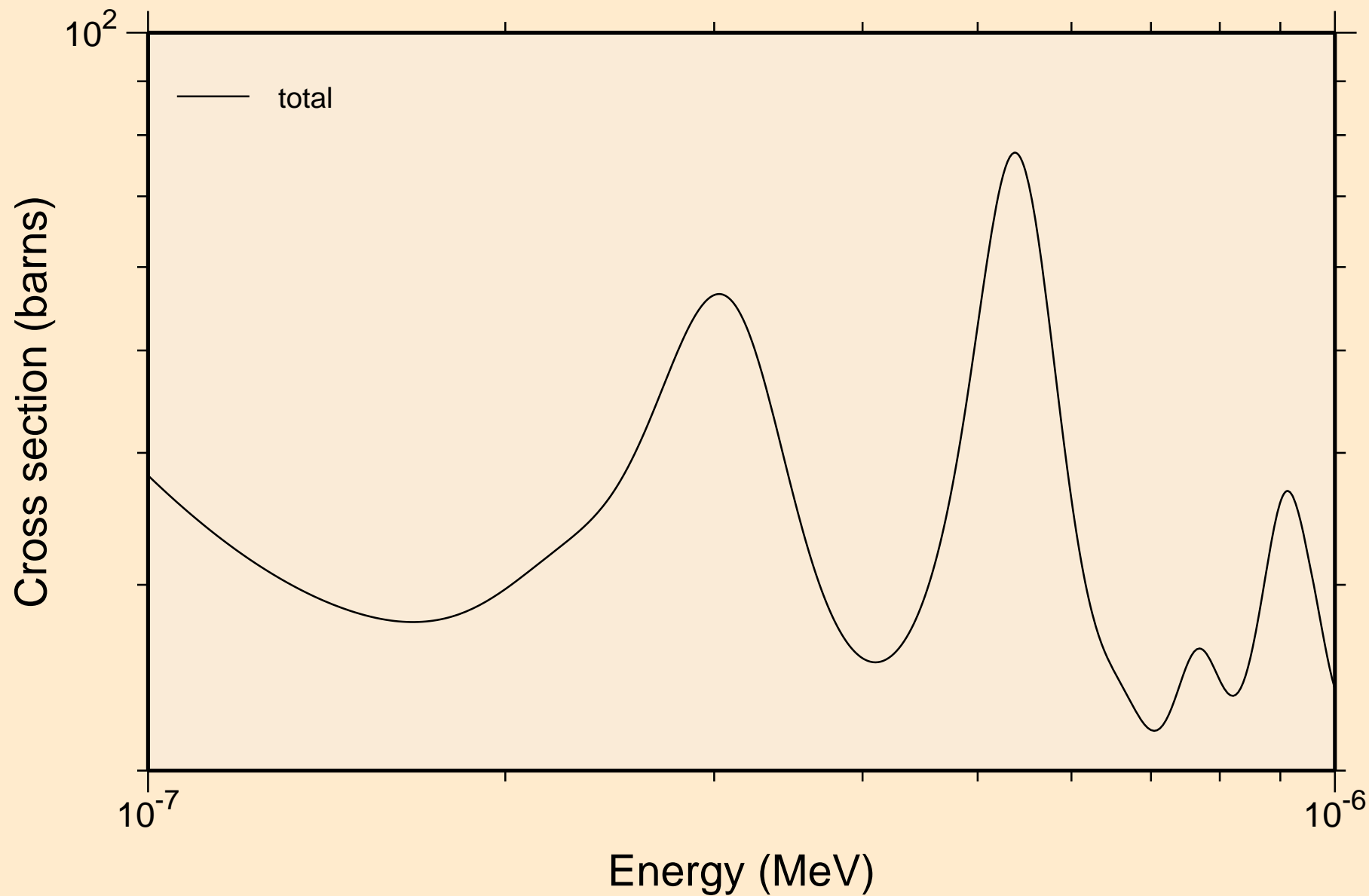
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



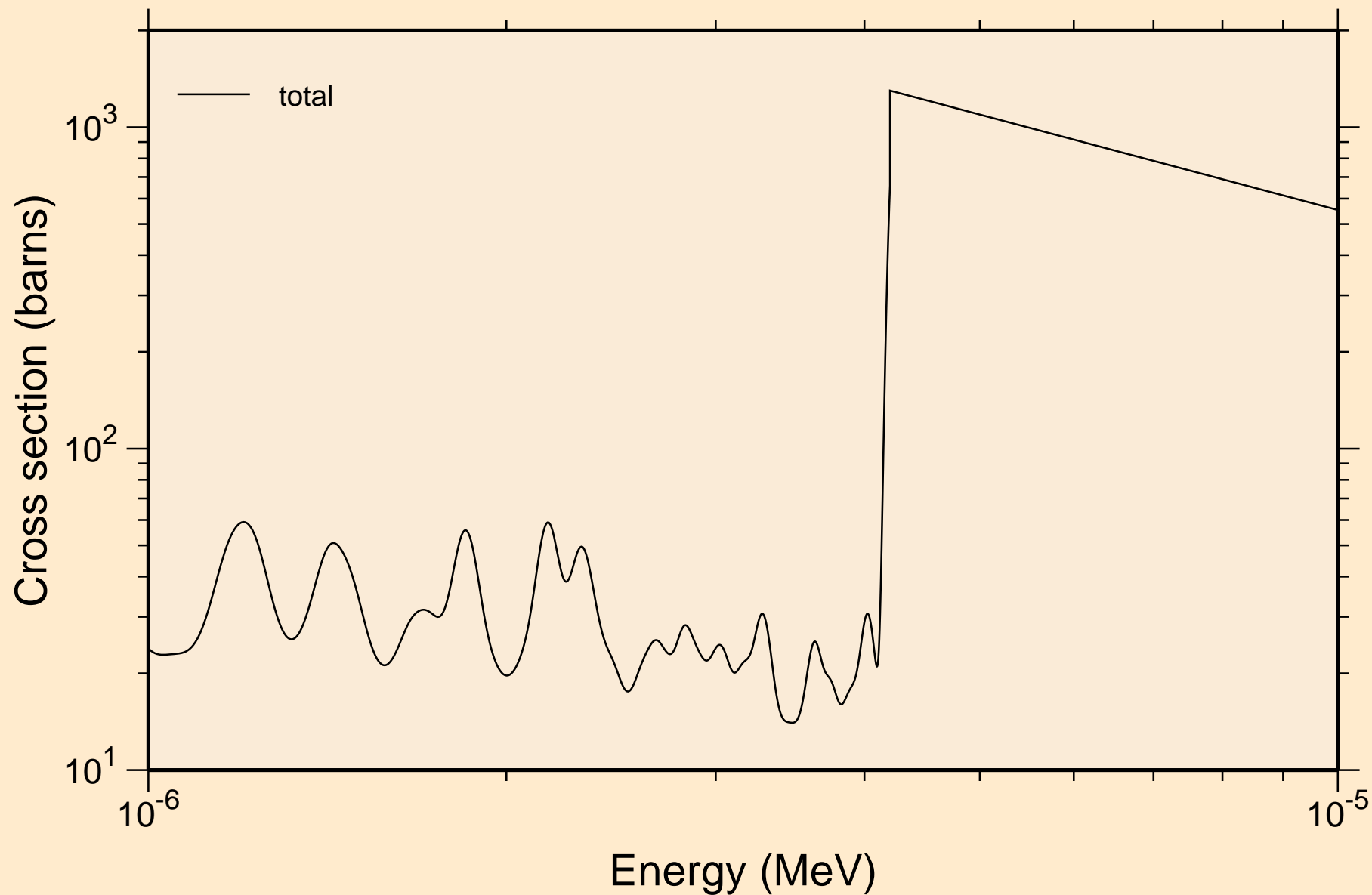
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



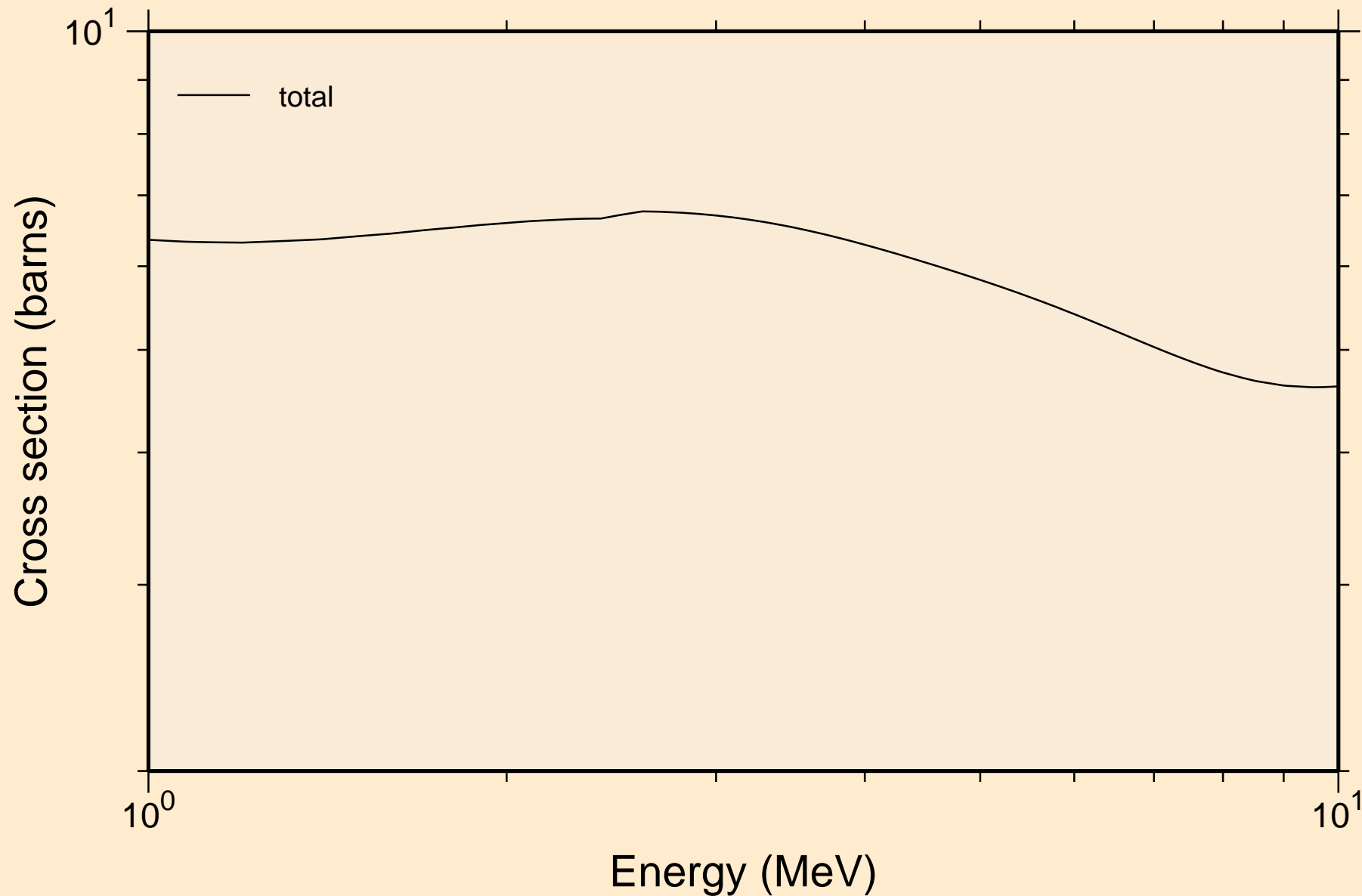
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



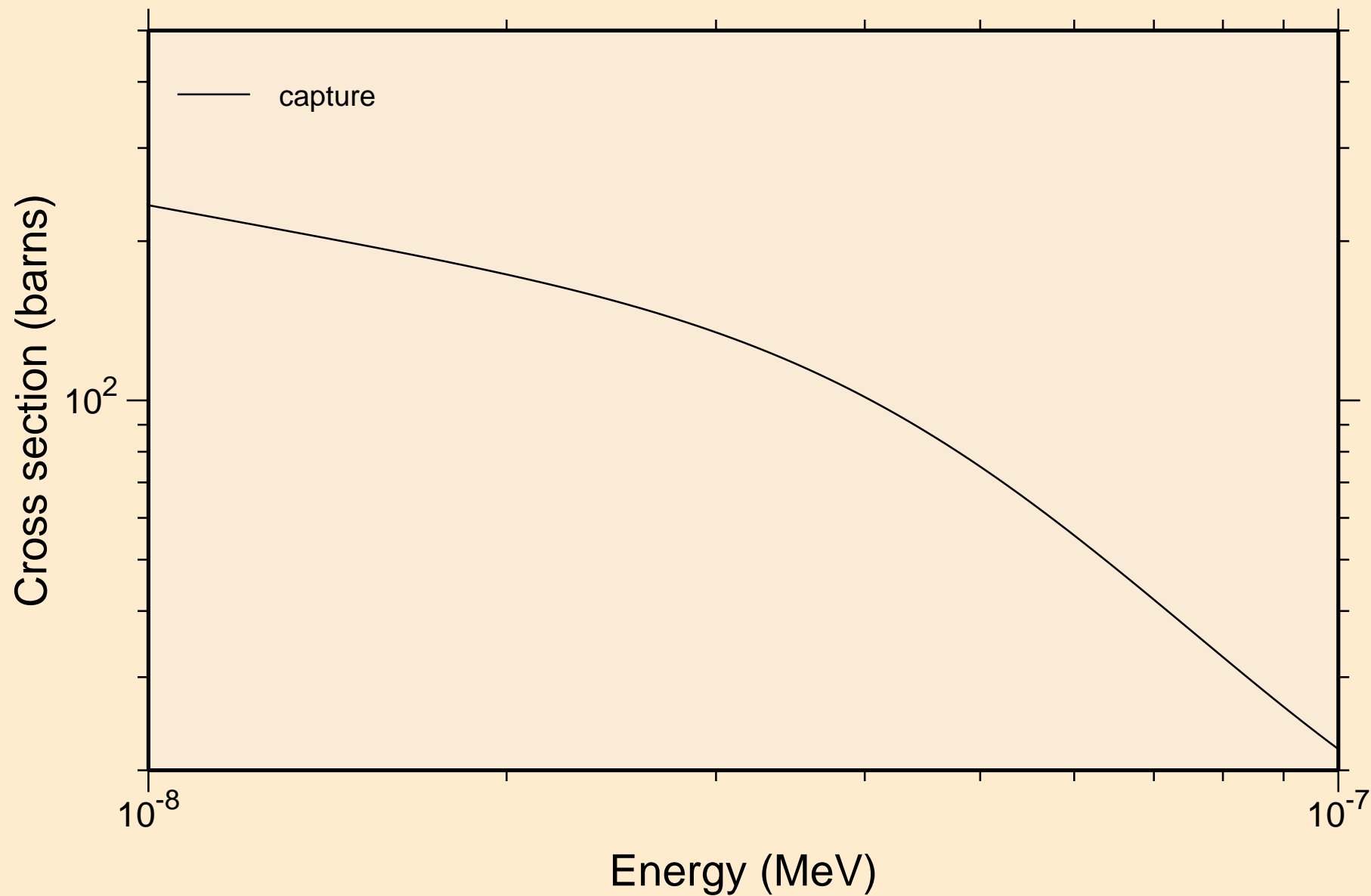
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resonance total cross section



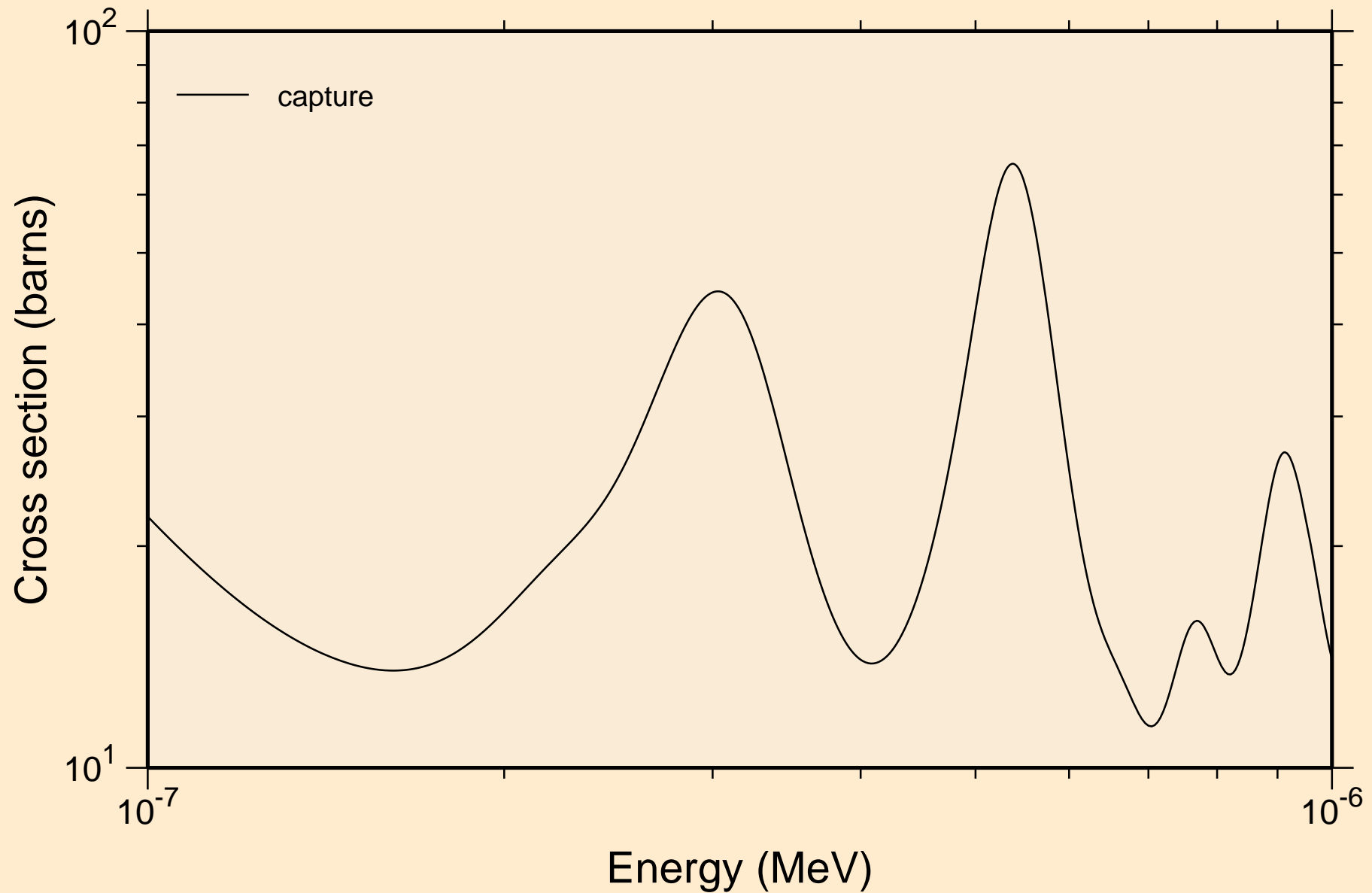
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resonance total cross section



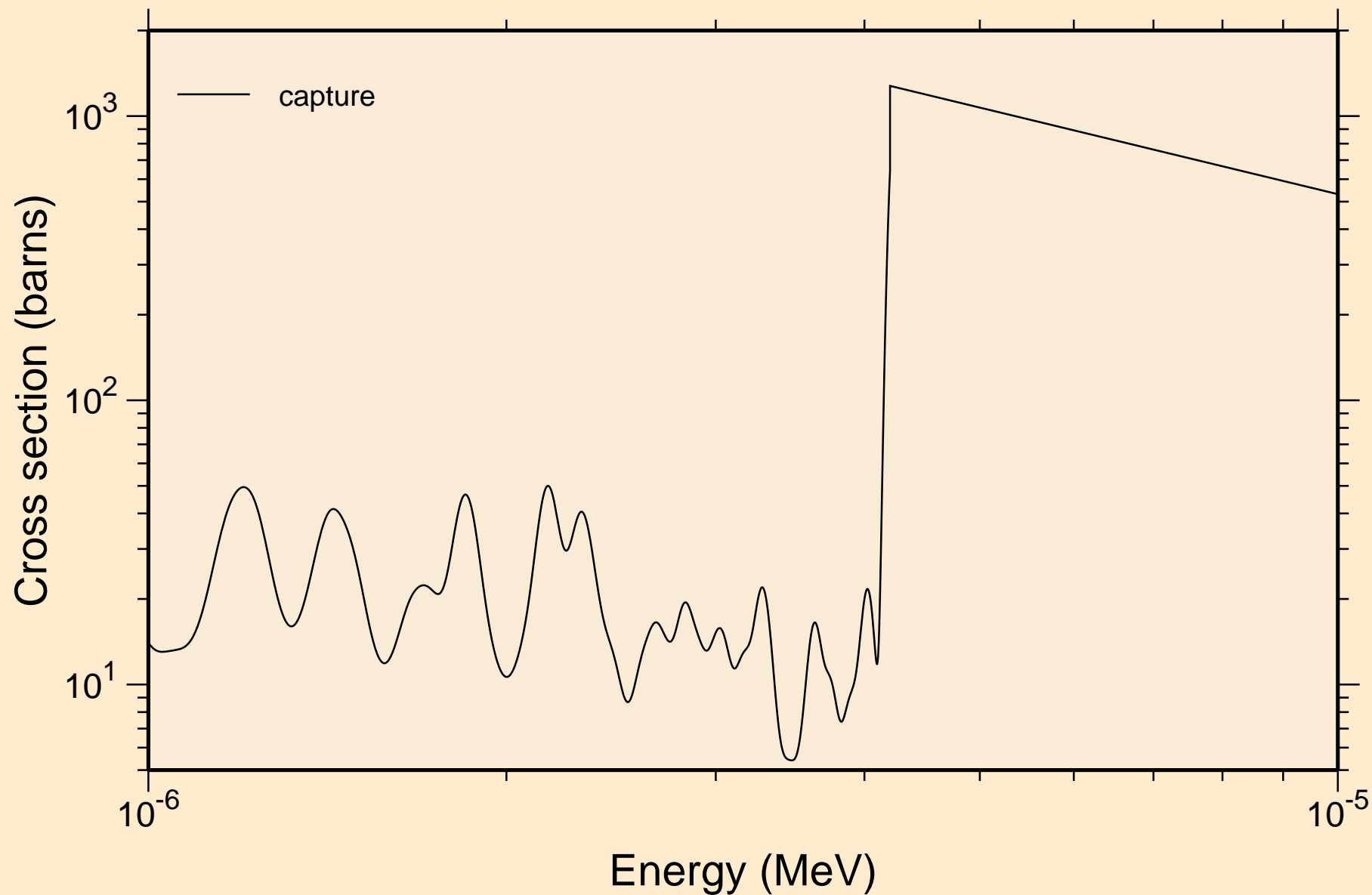
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

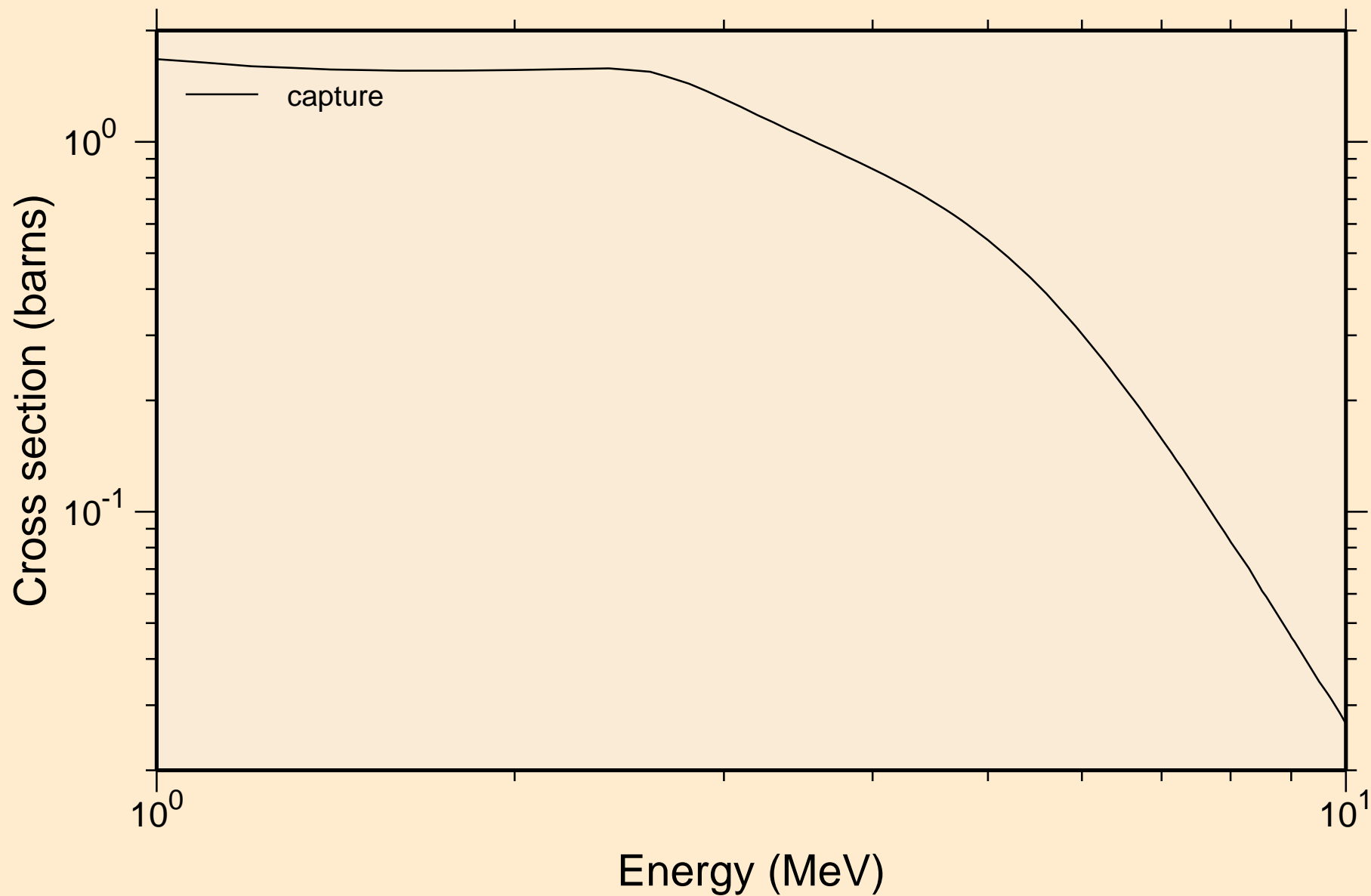


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

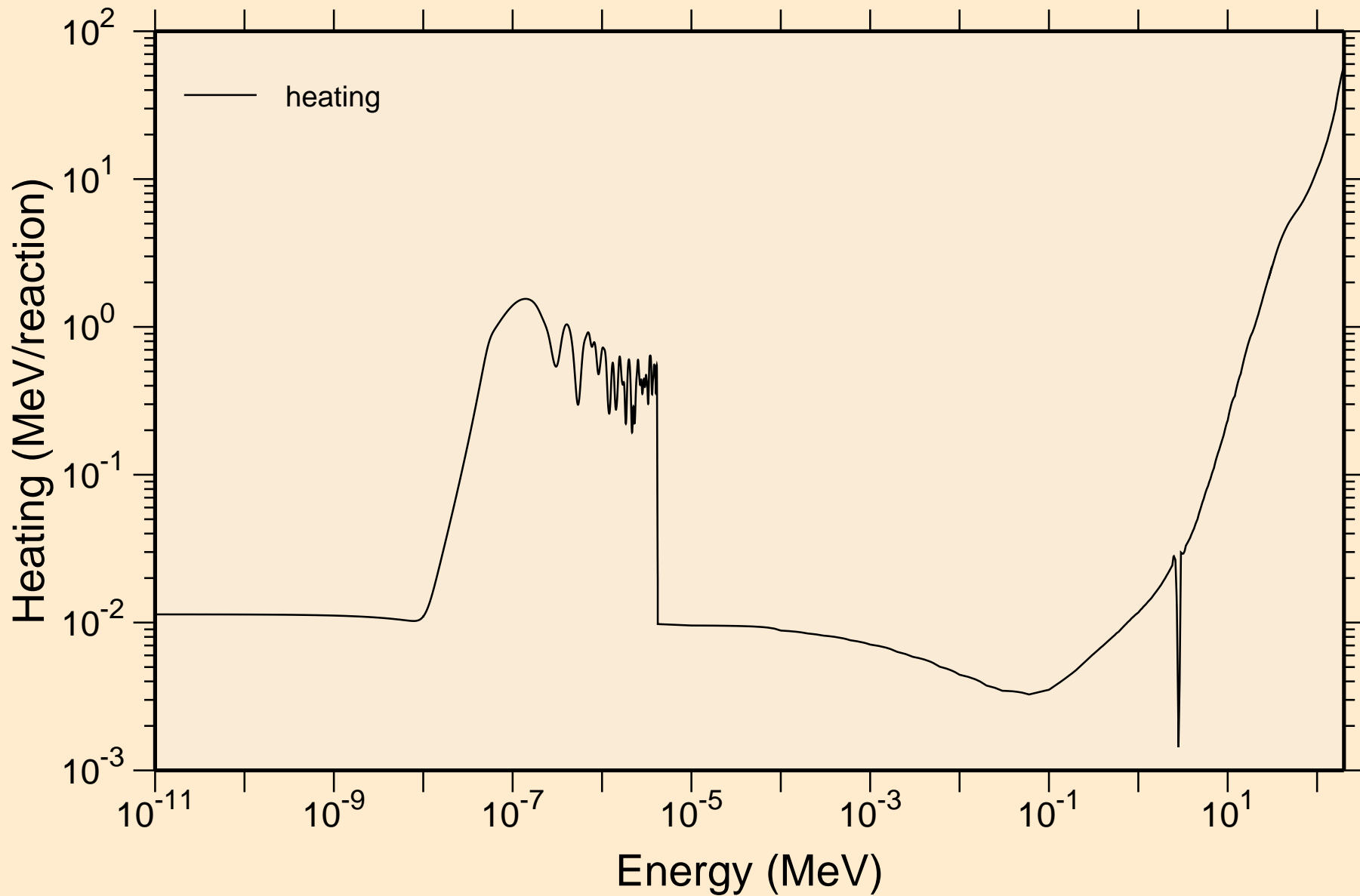




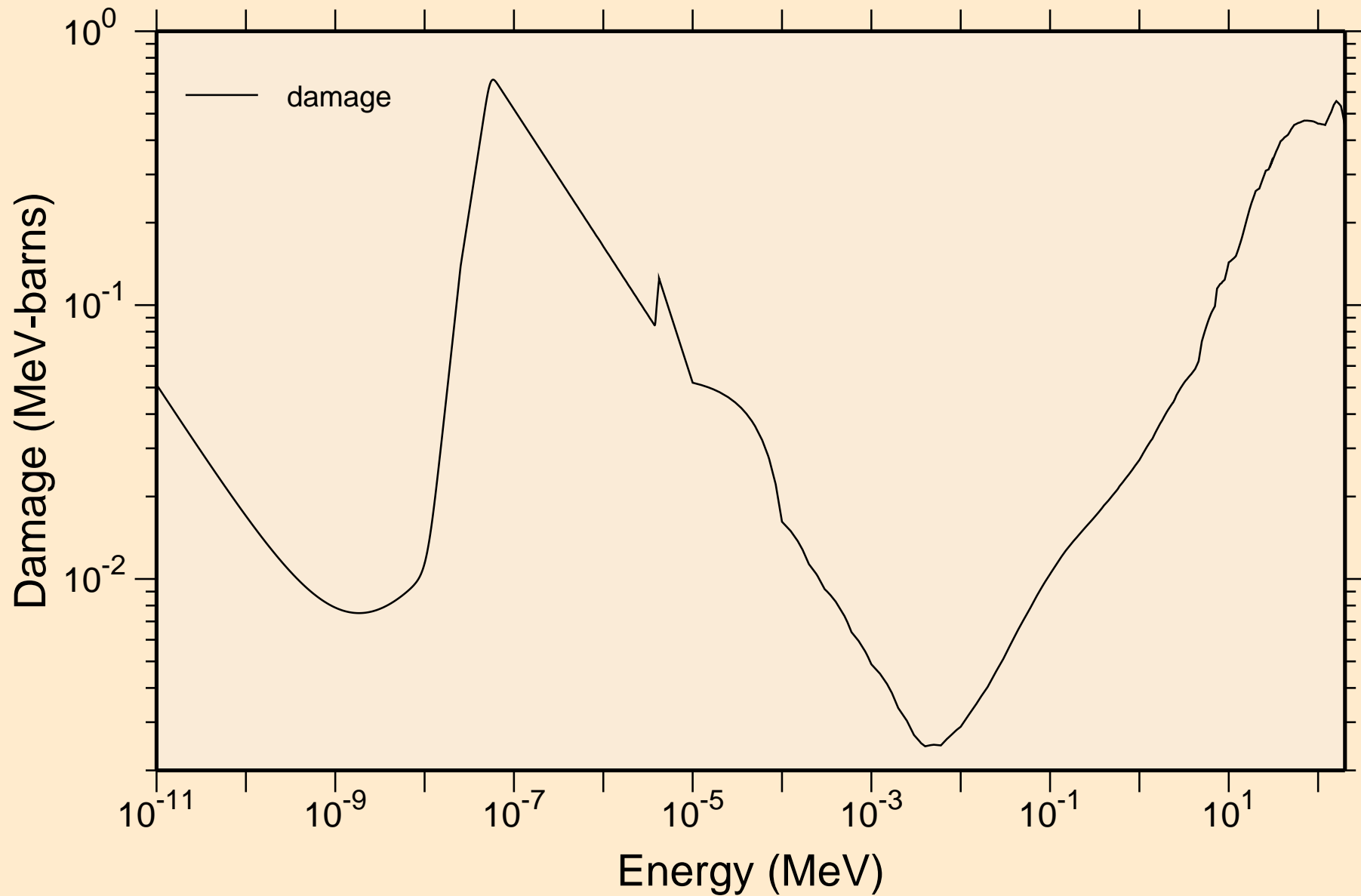
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



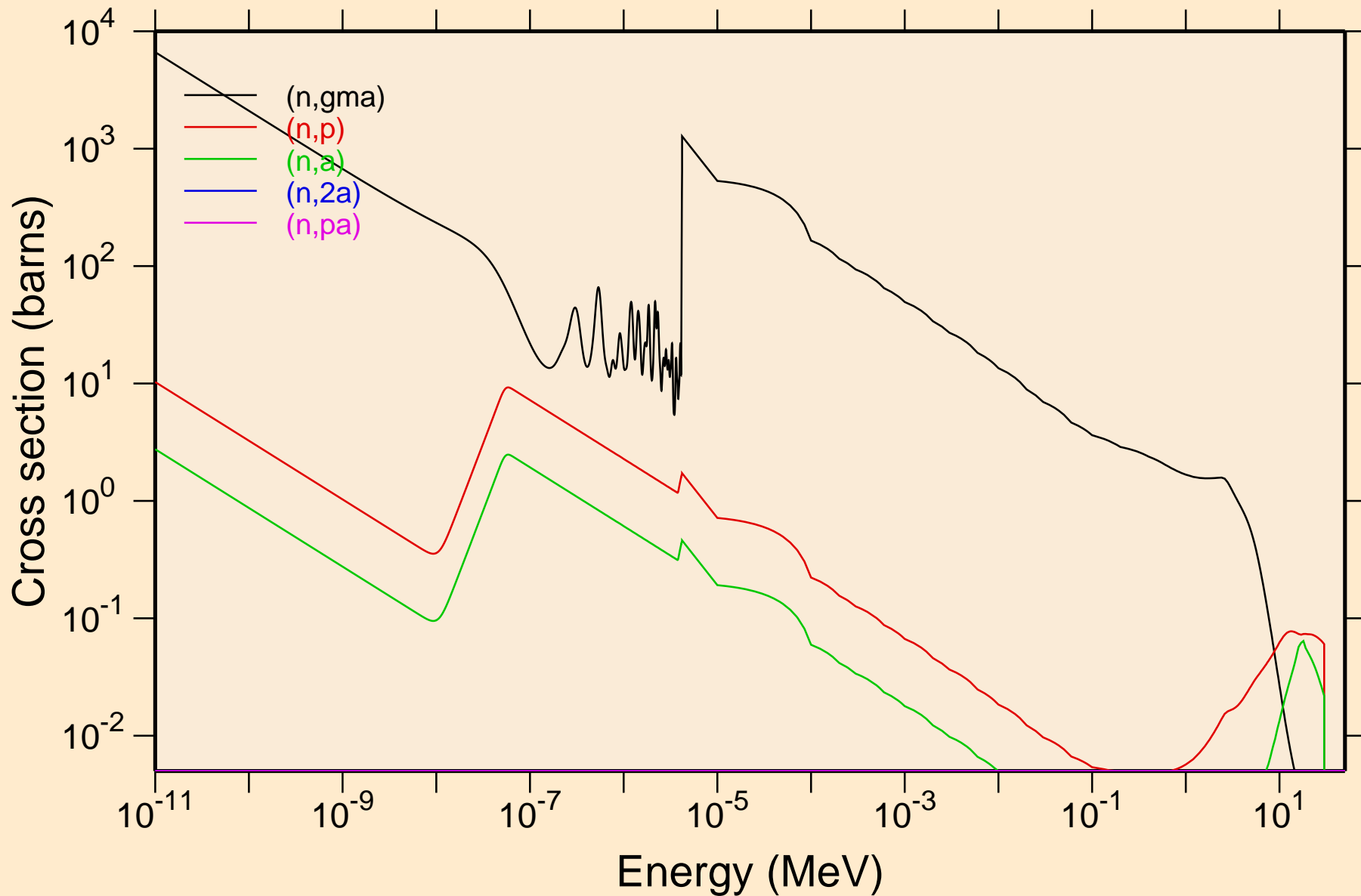
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



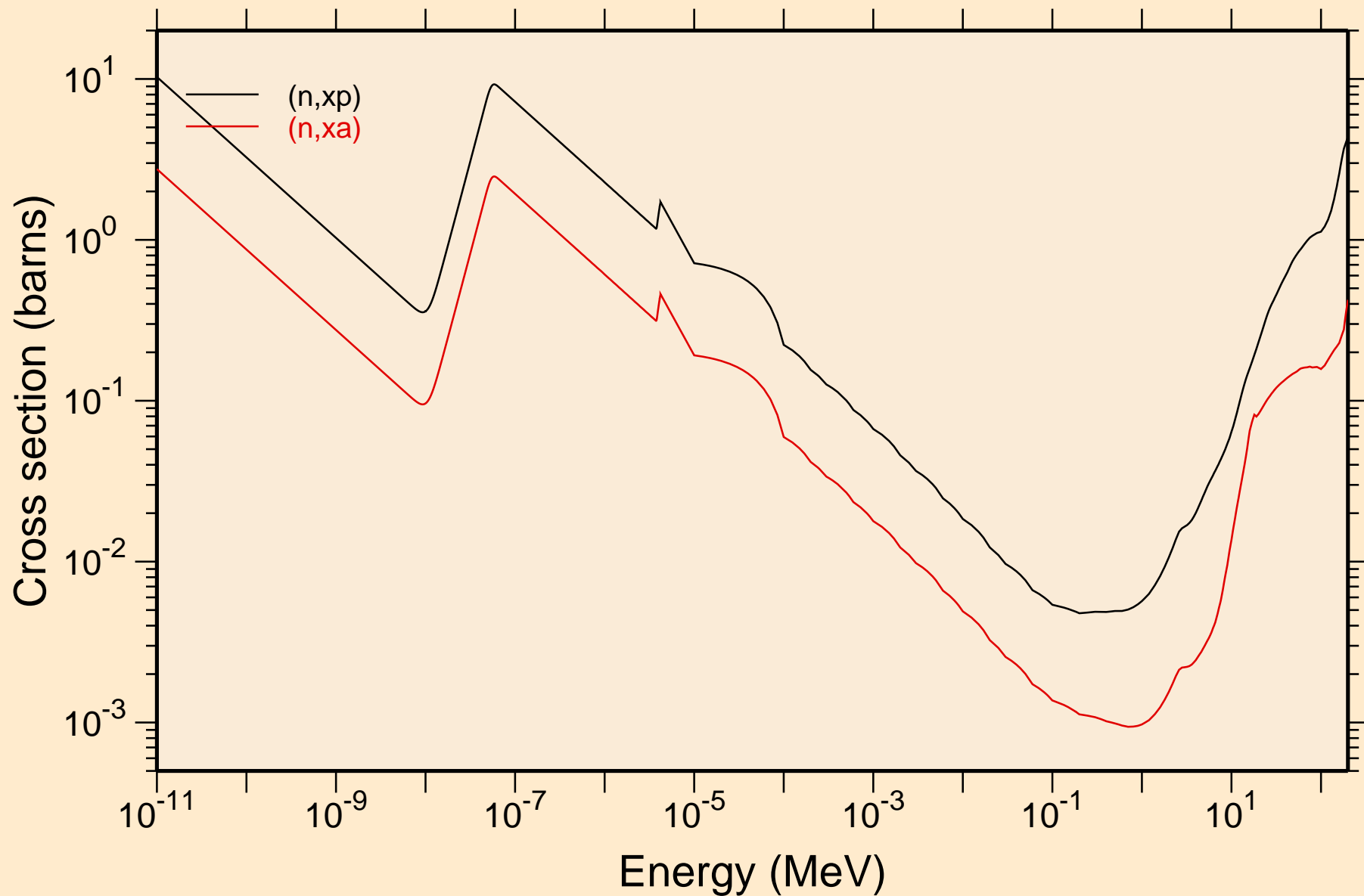
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



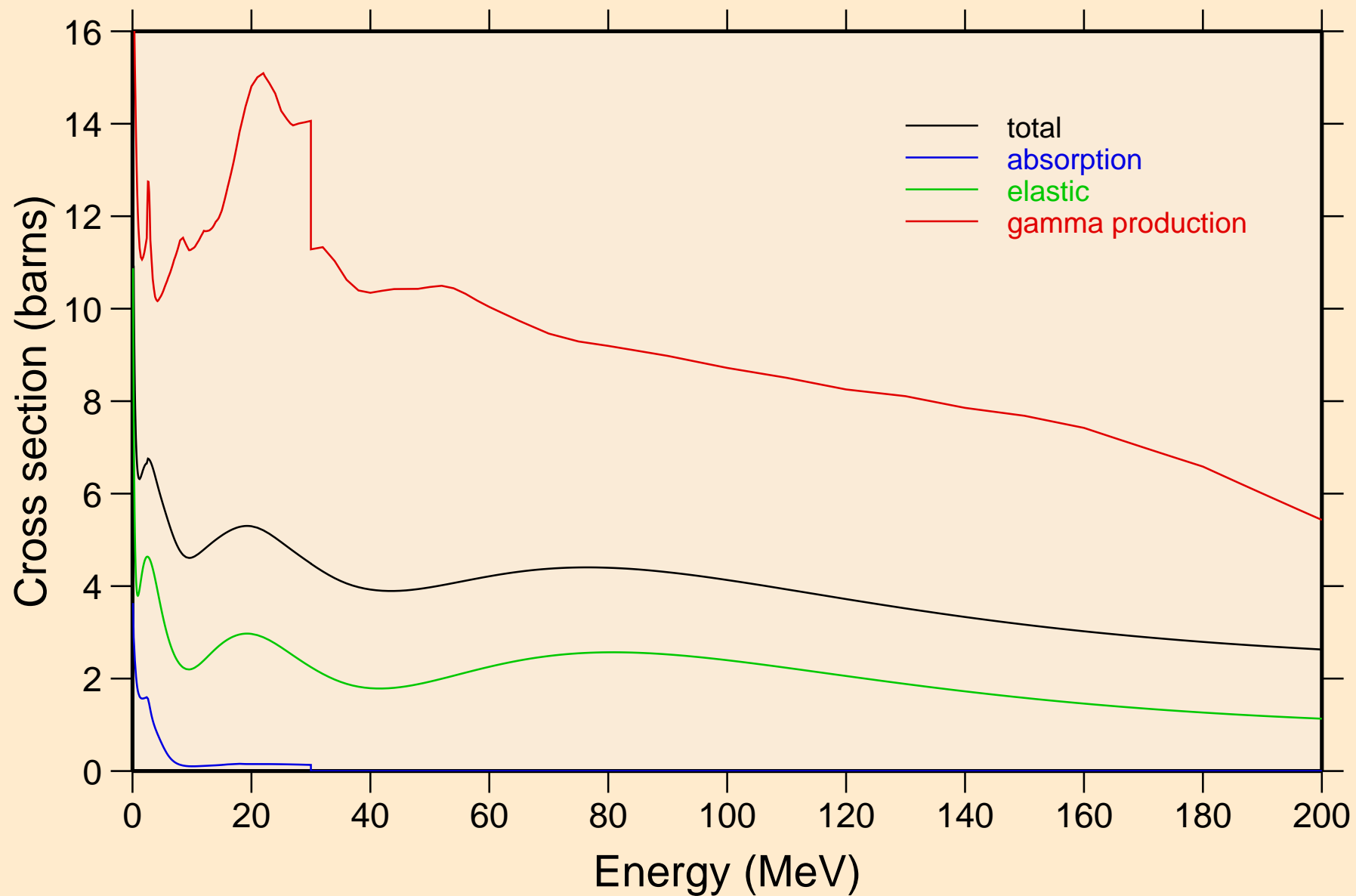
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



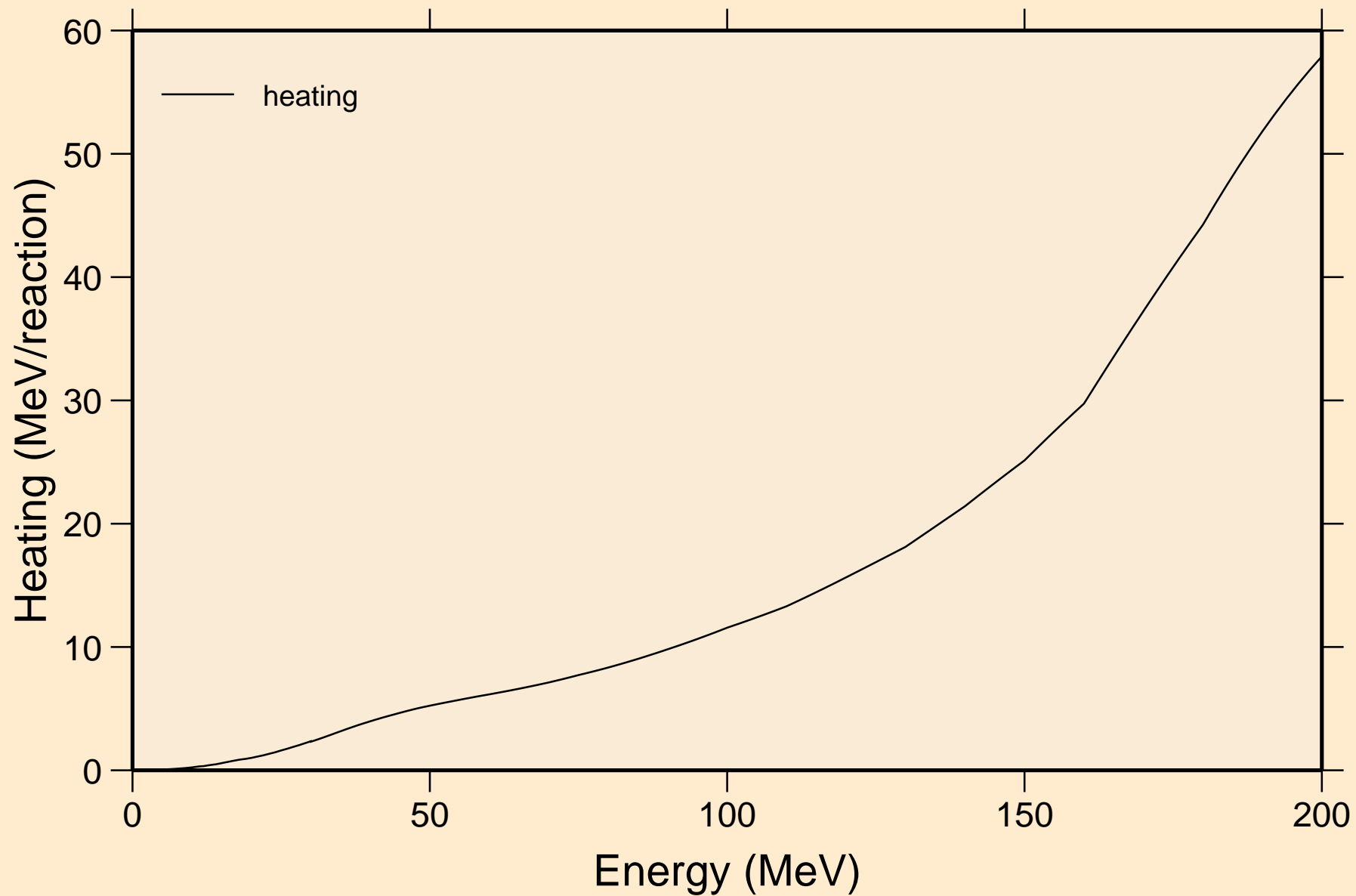
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Non-threshold reactions



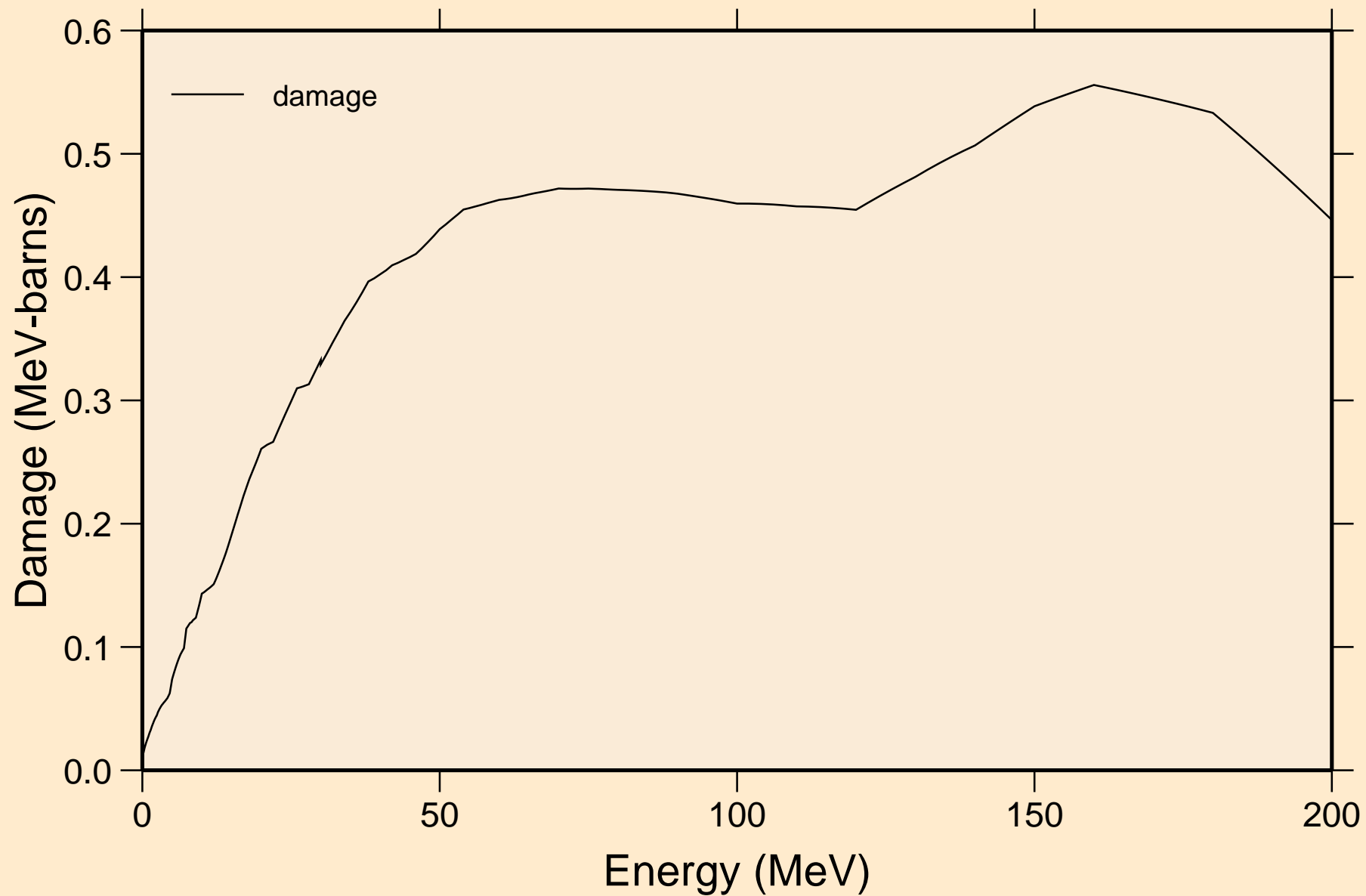
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

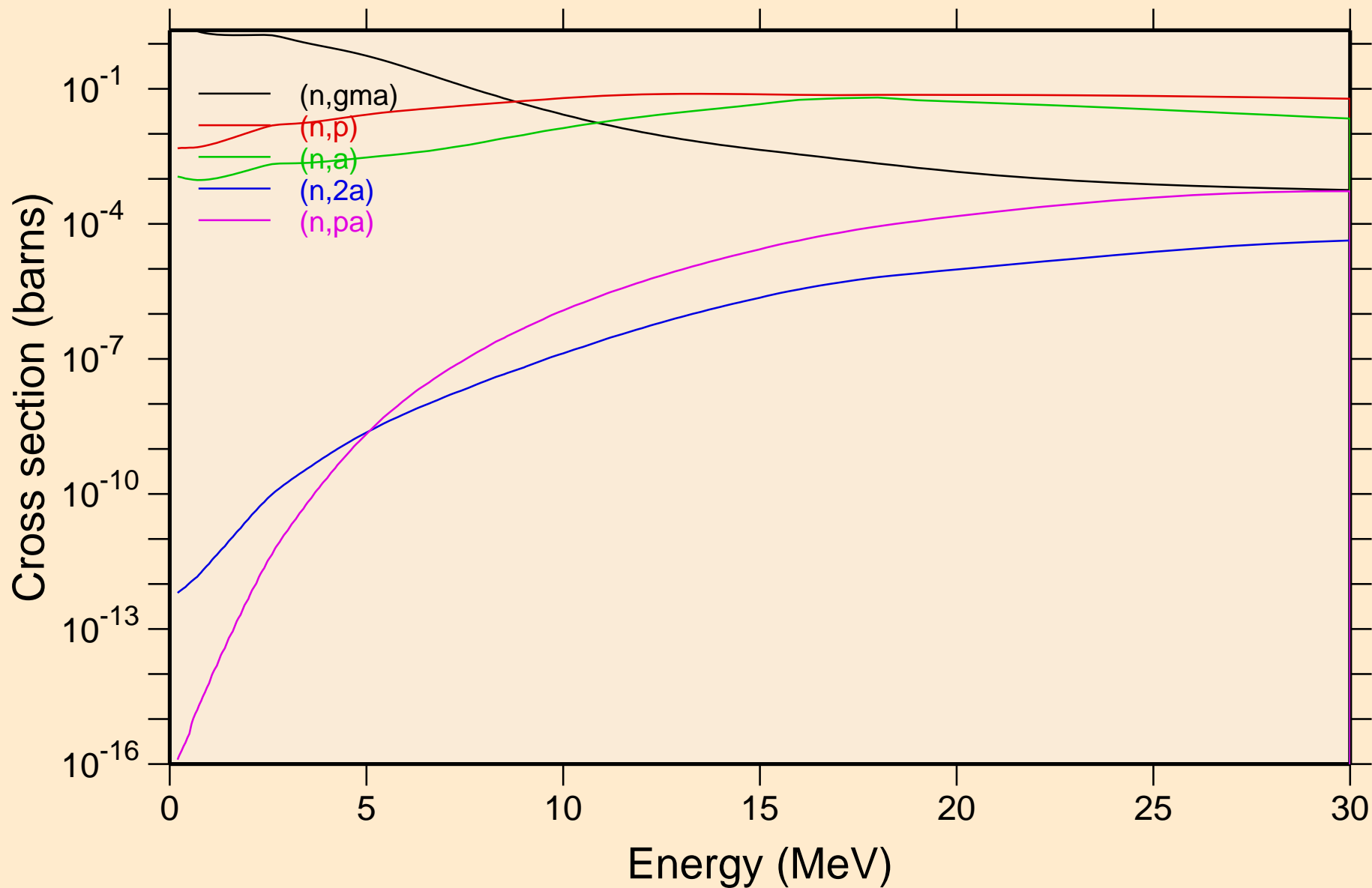


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

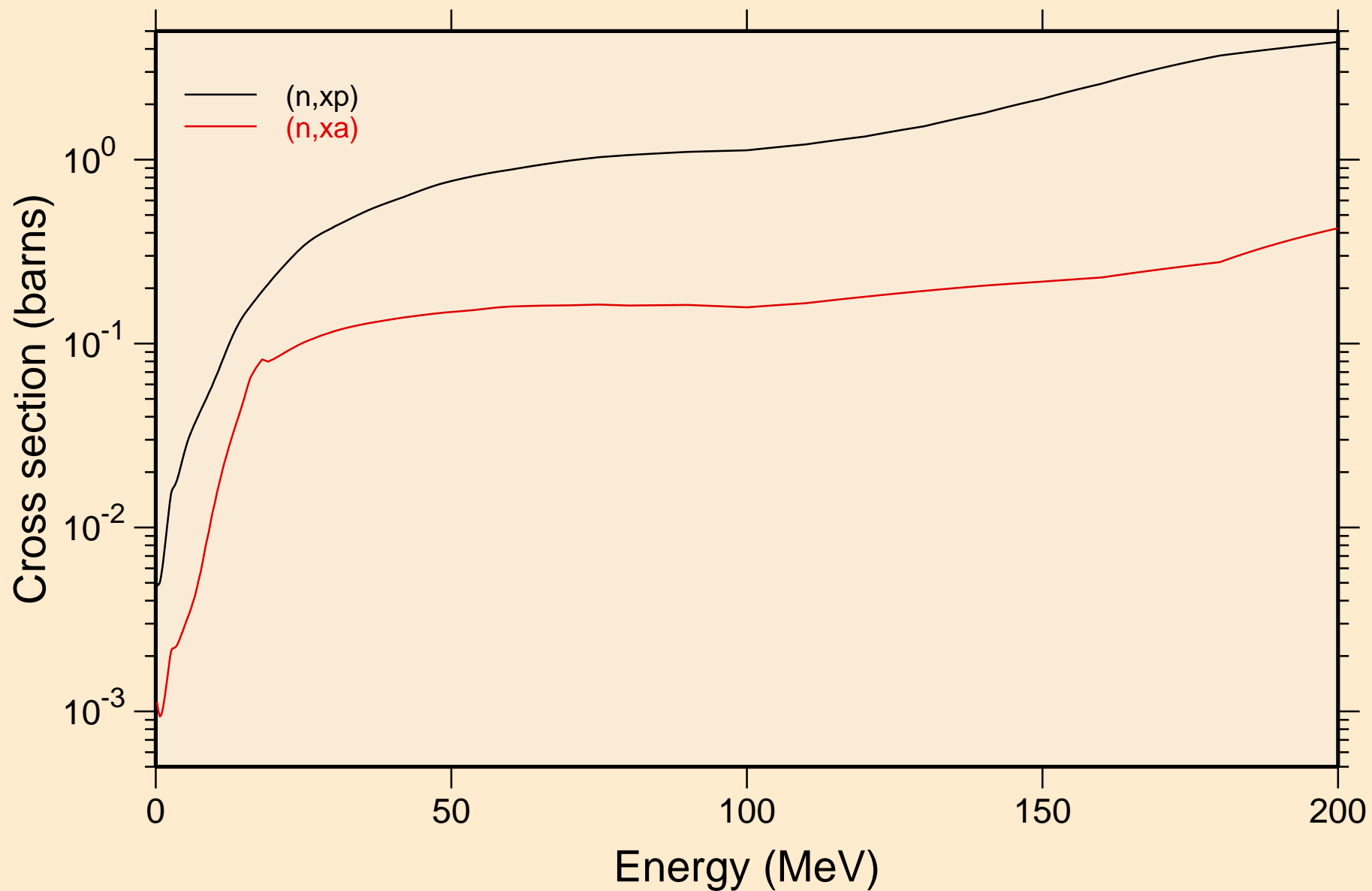




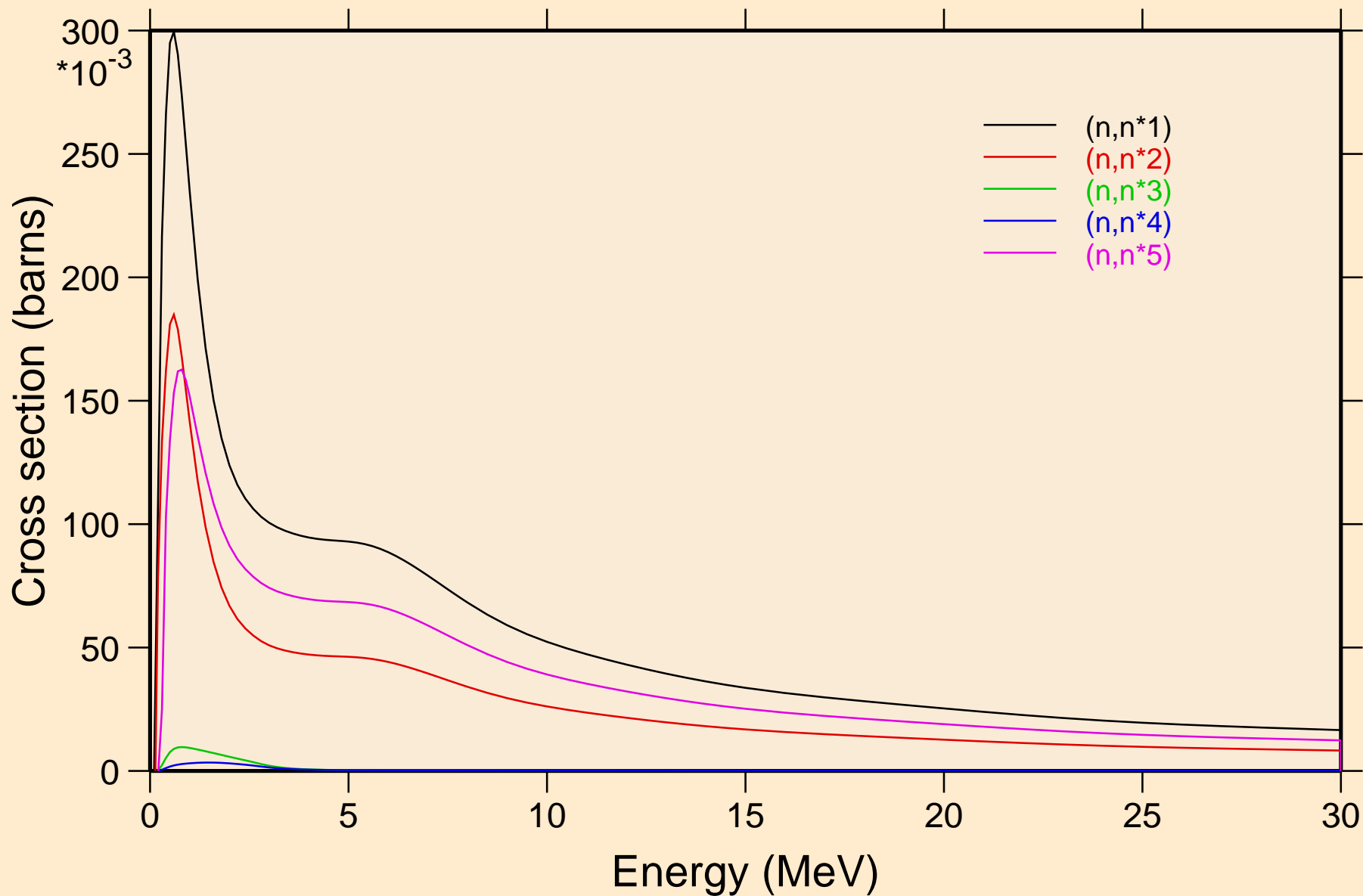
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Non-threshold reactions



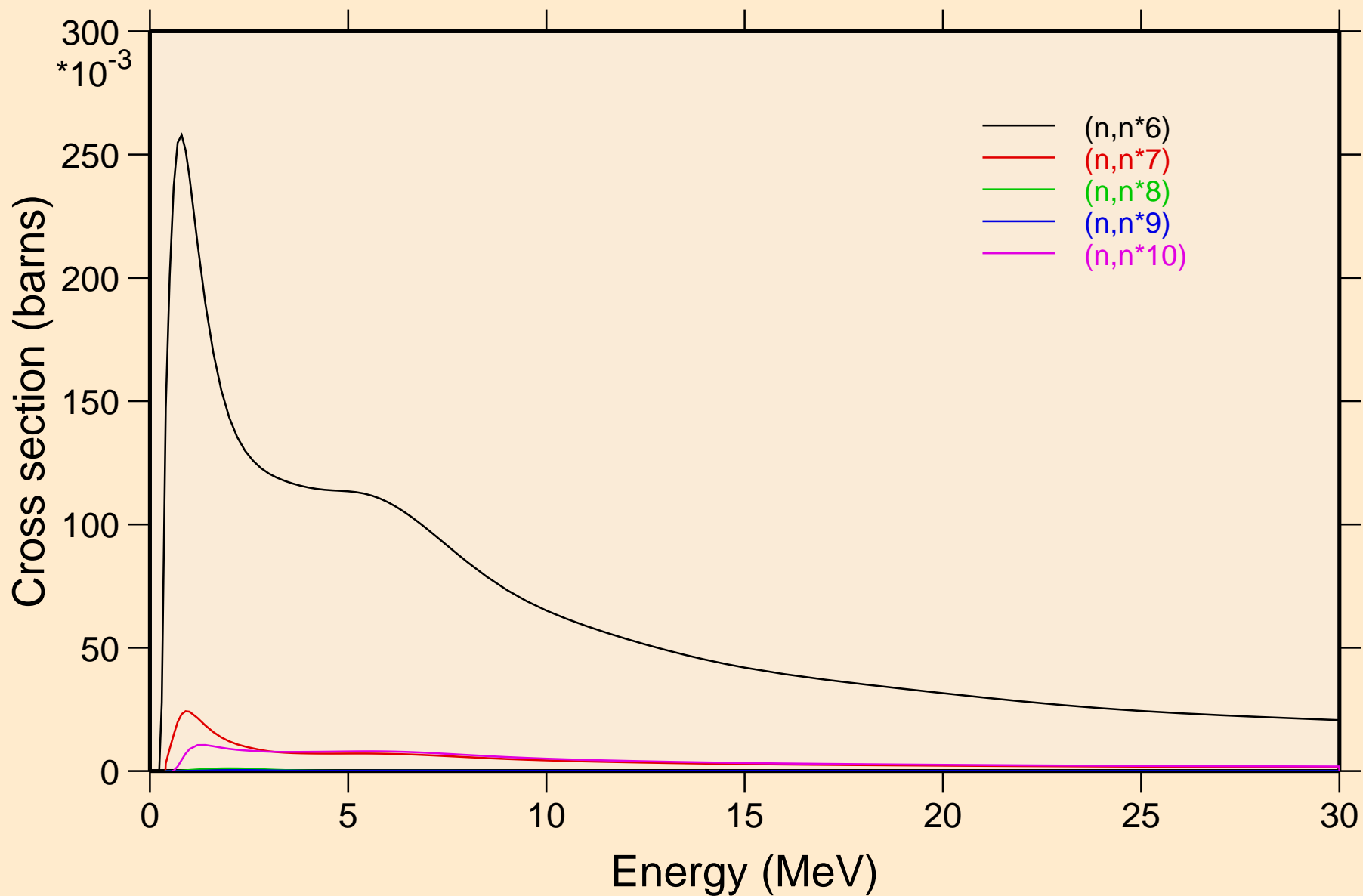
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



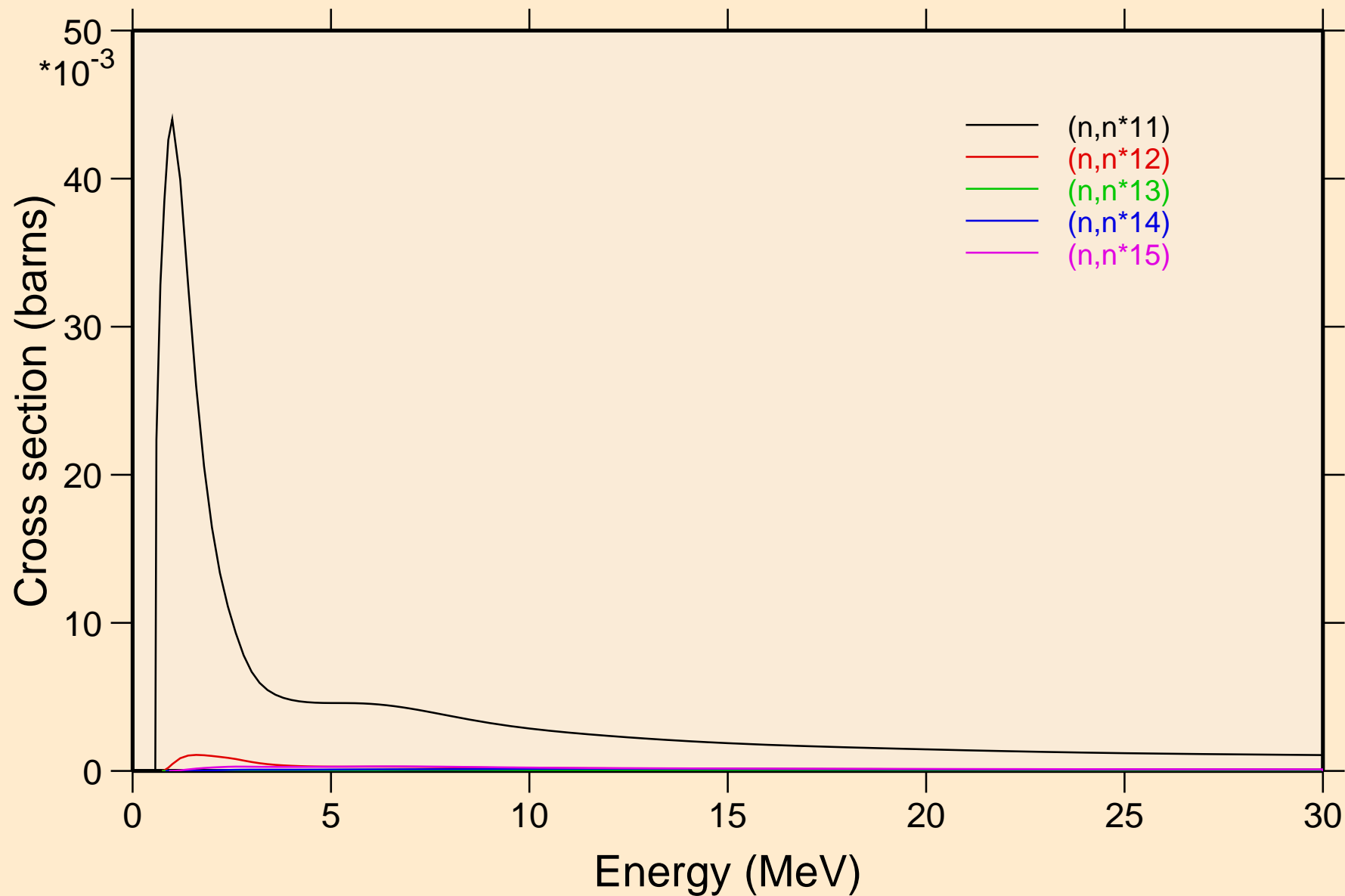
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



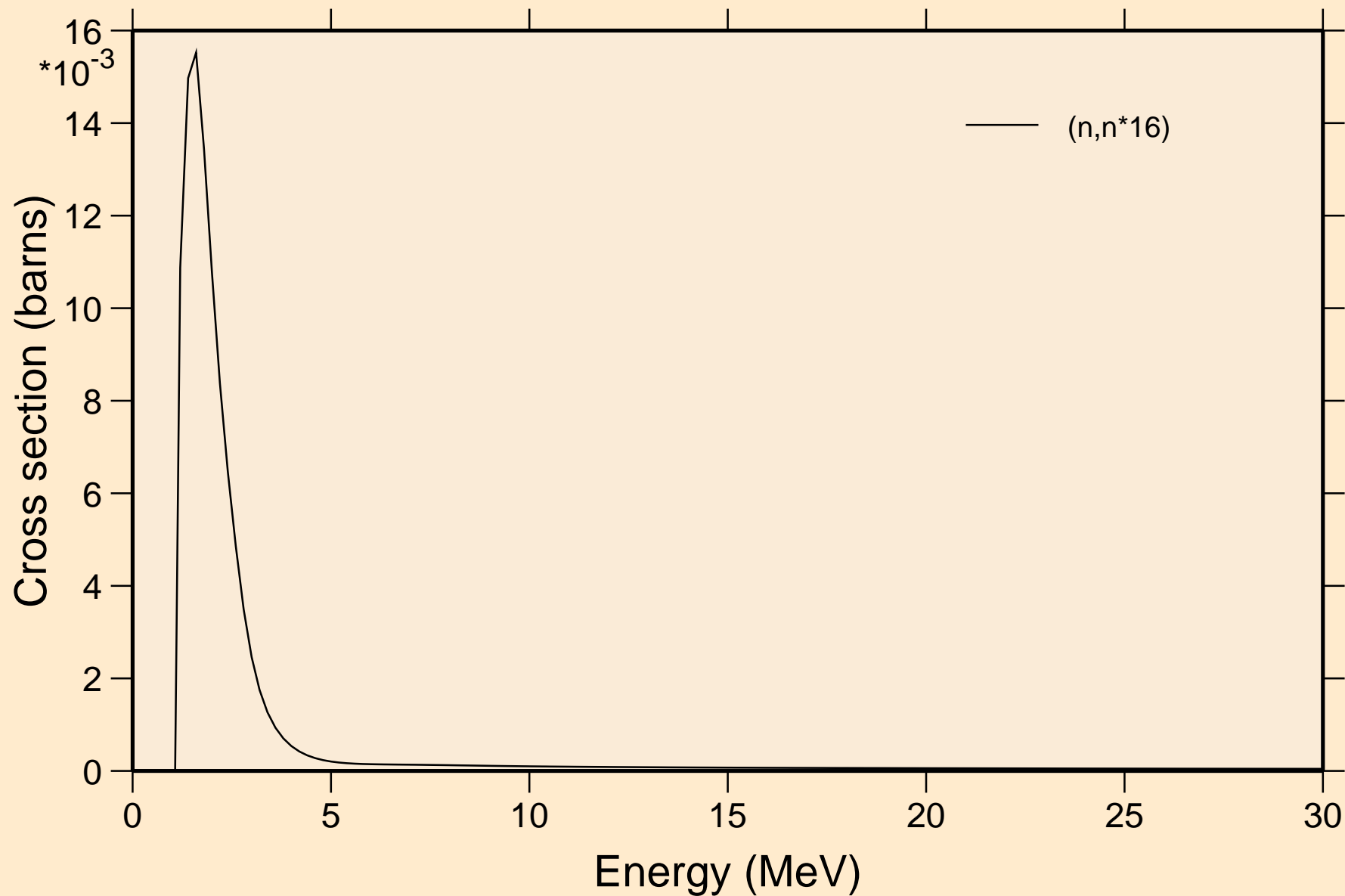
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



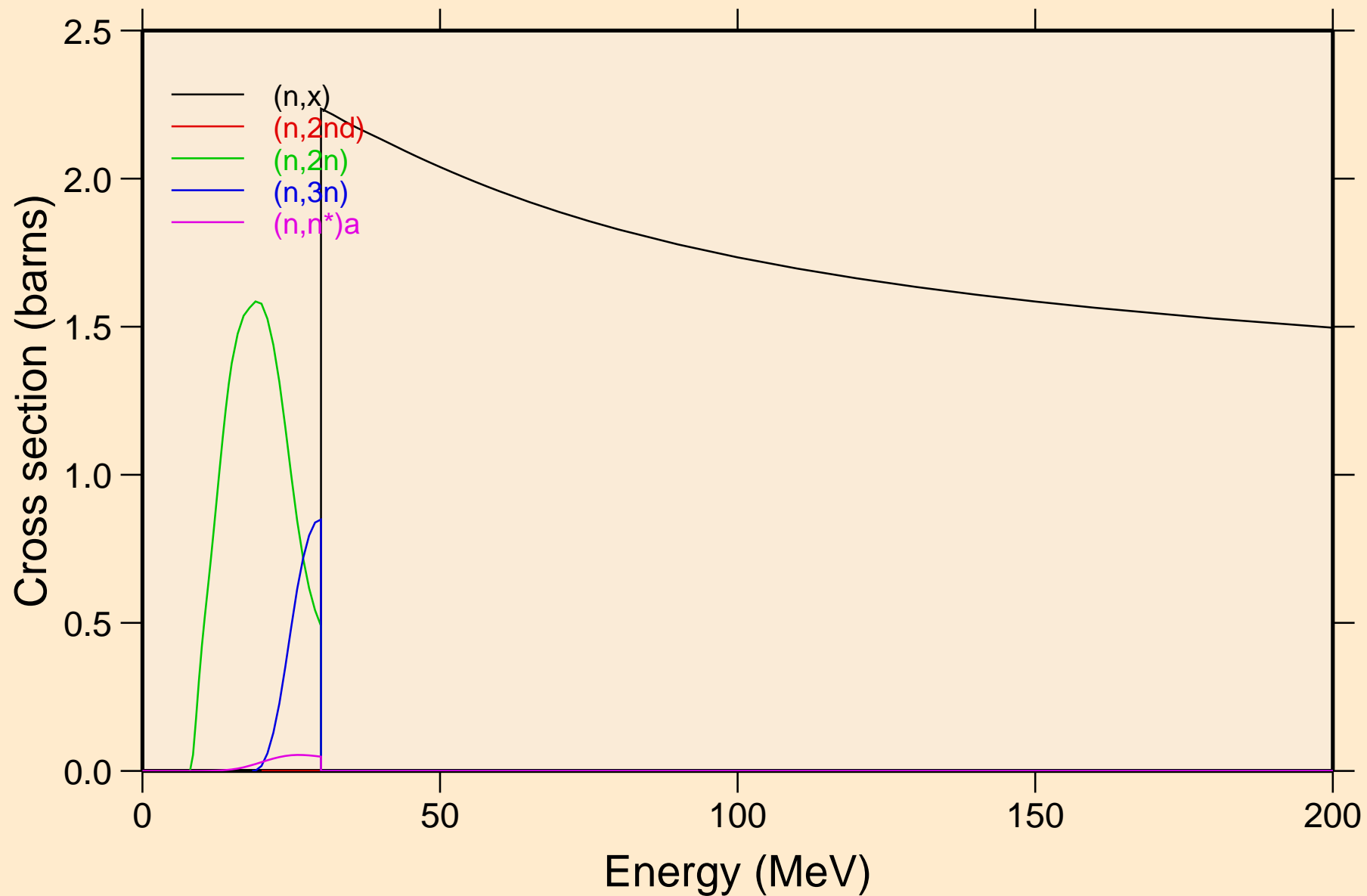
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



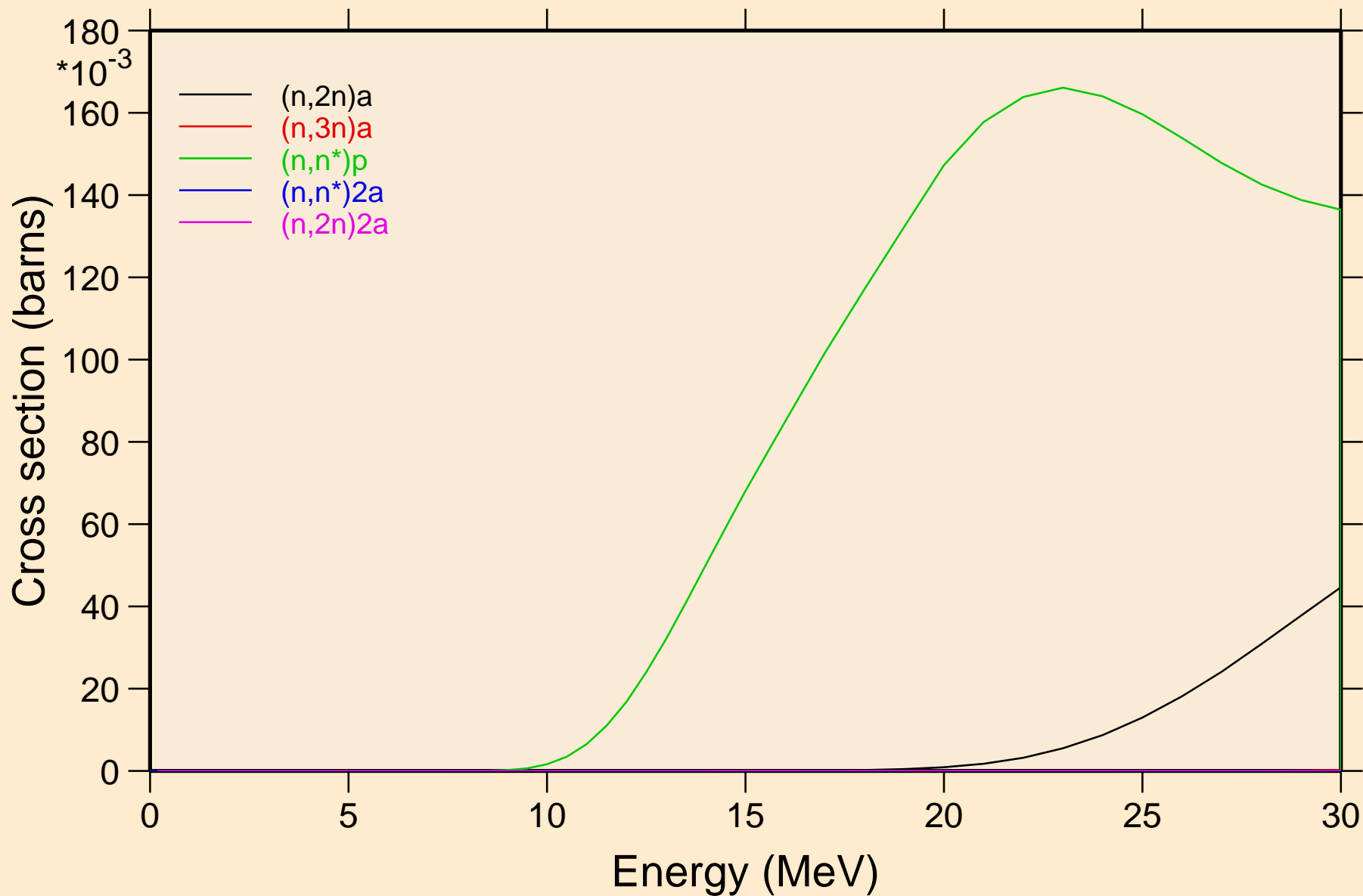
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

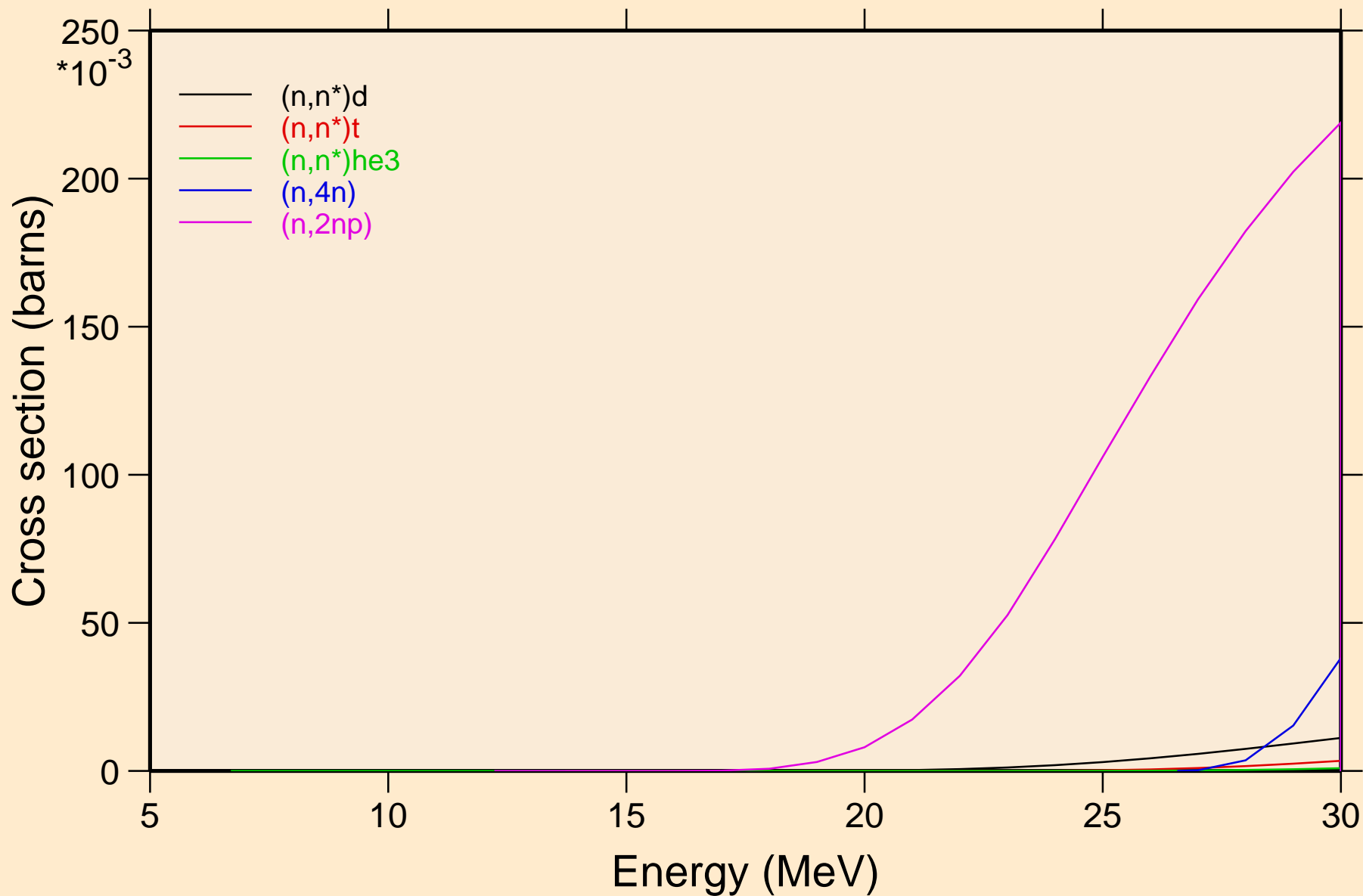


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

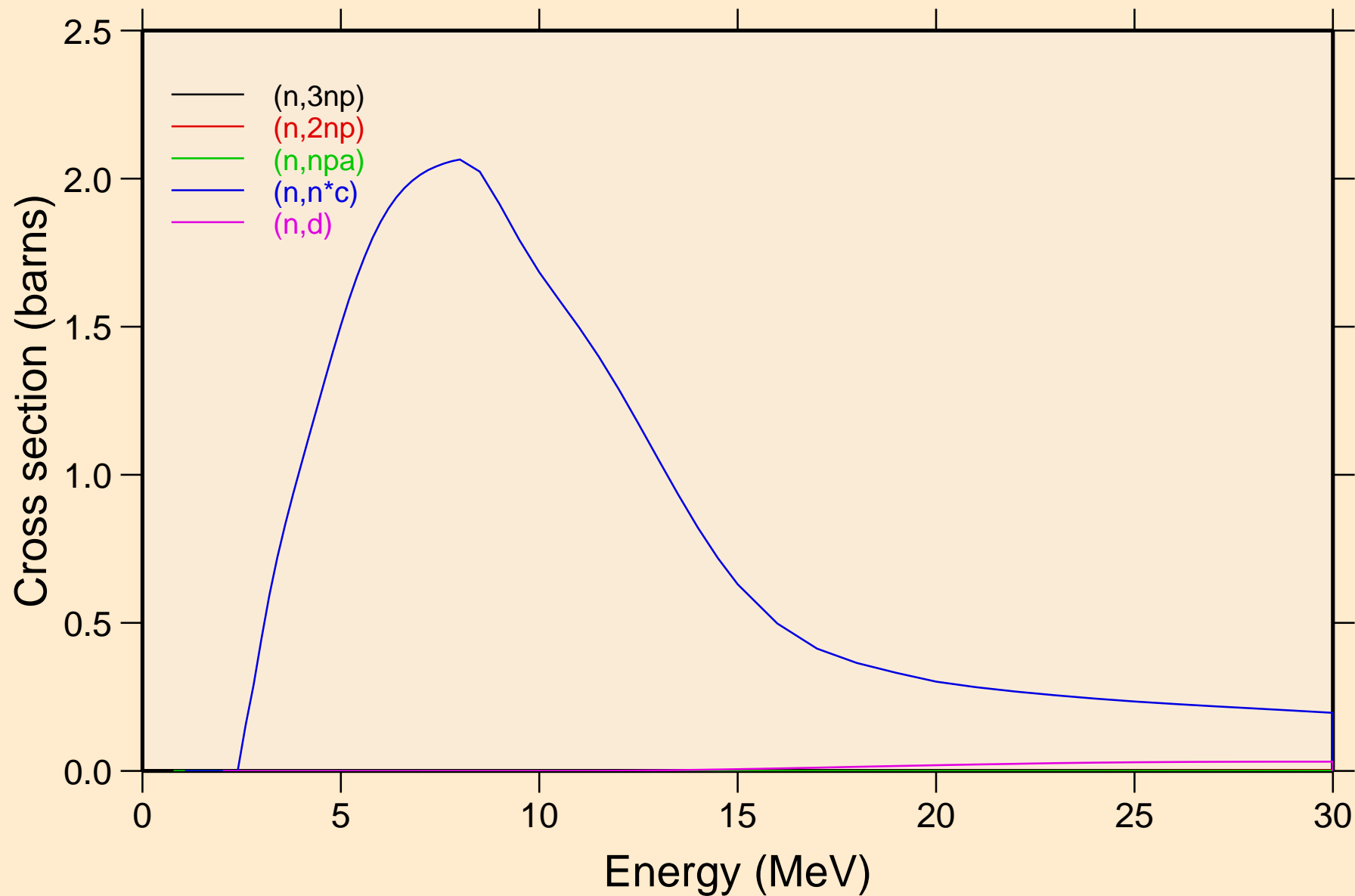




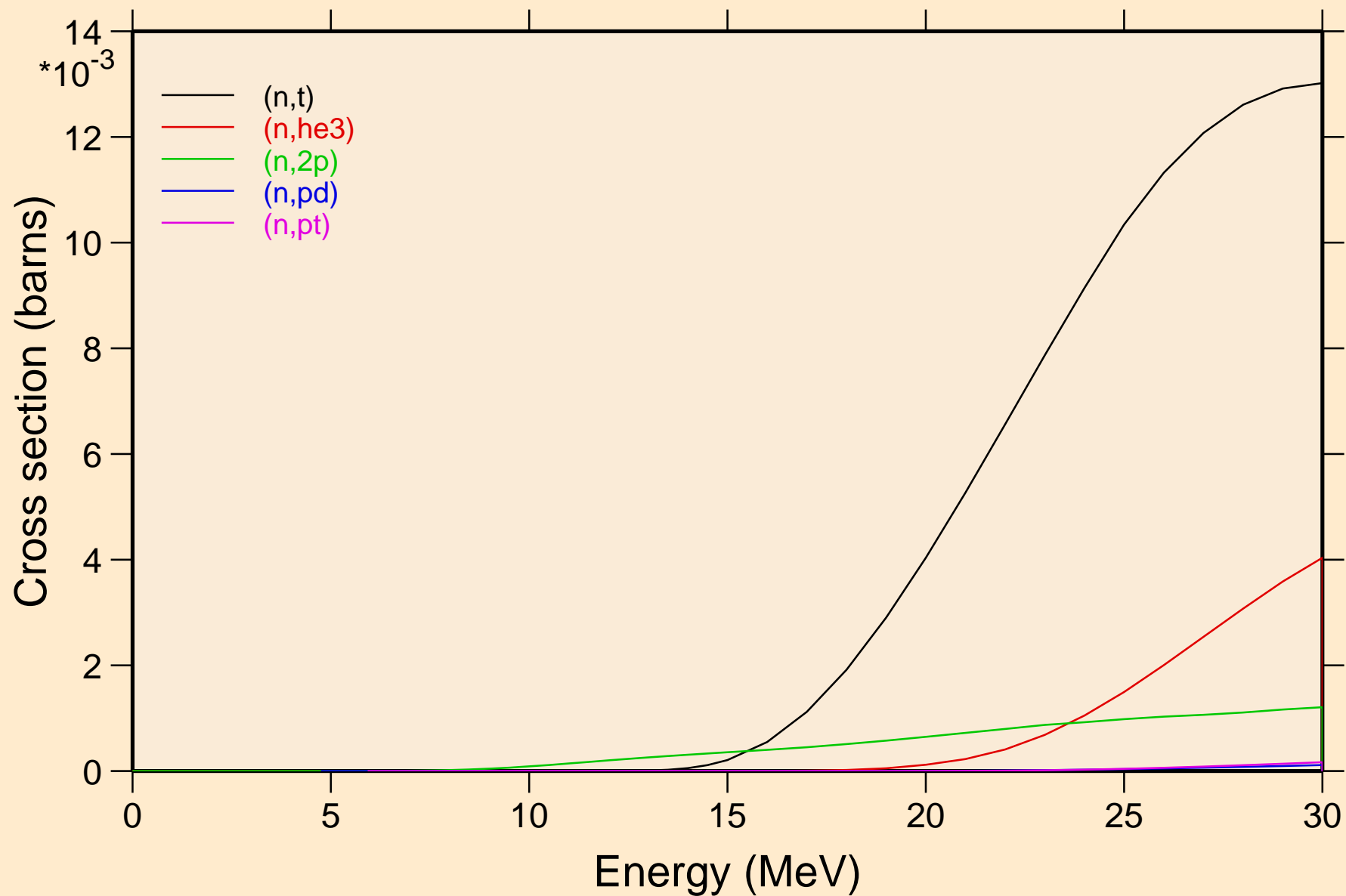
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



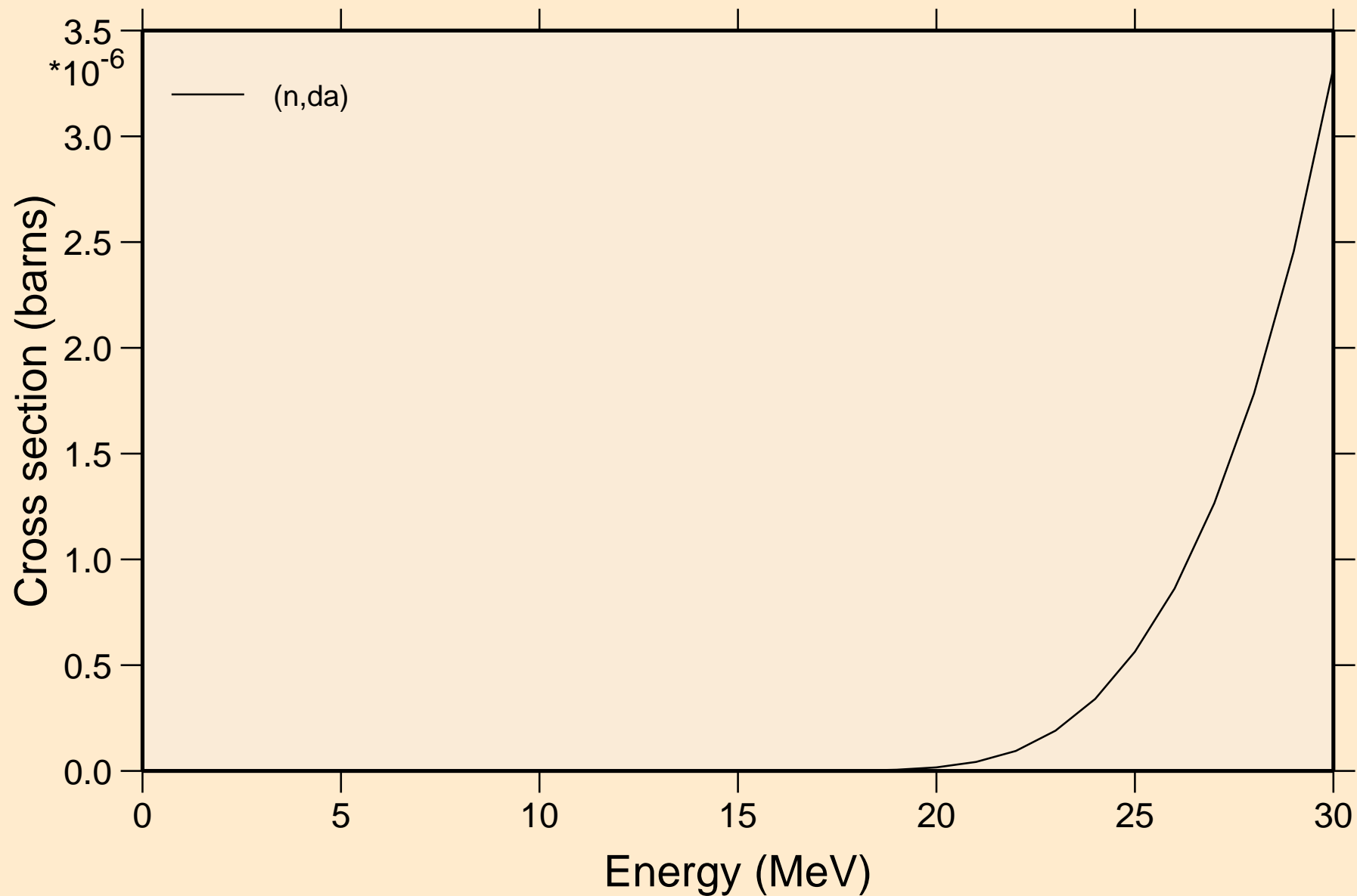
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



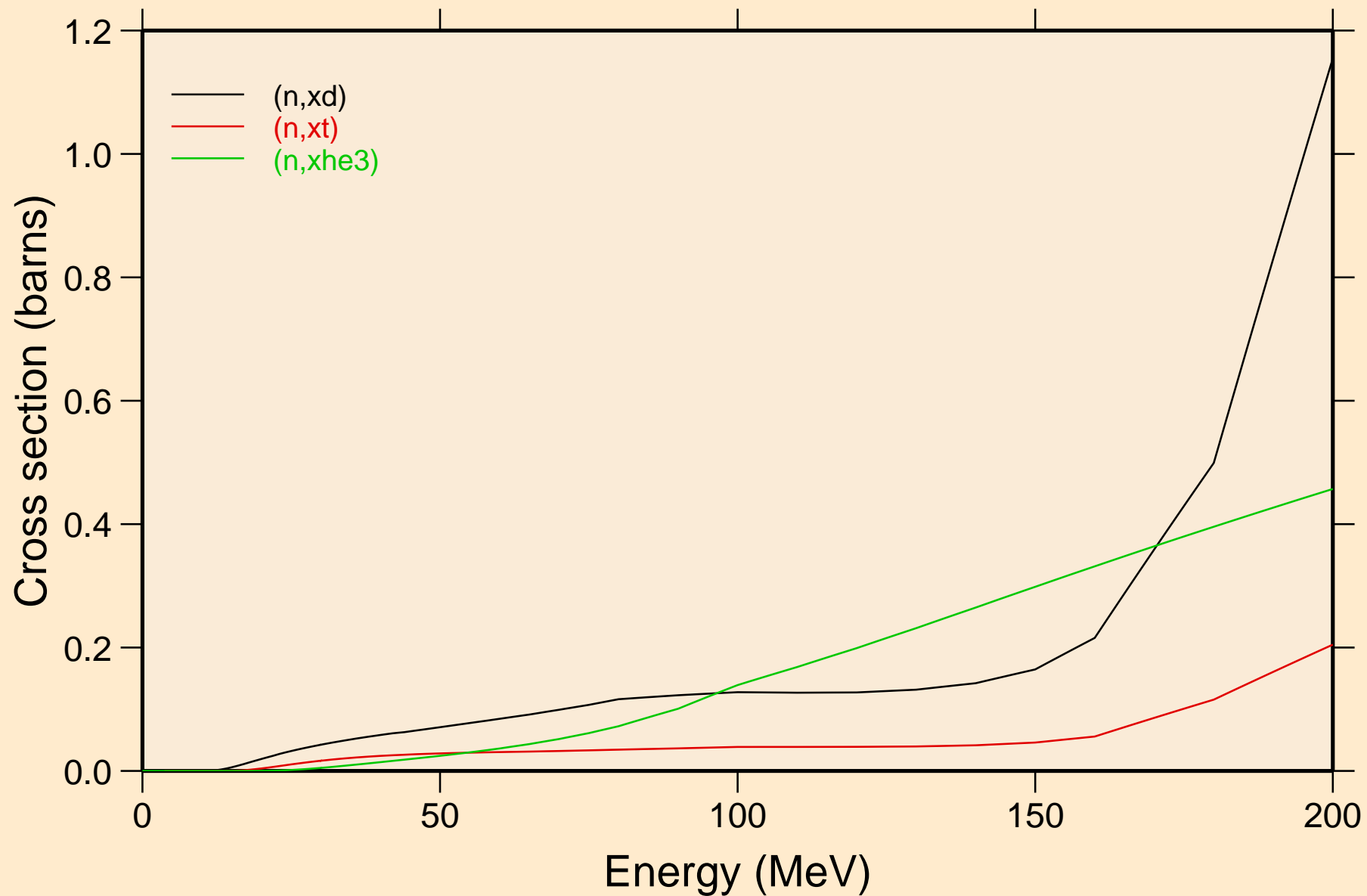
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



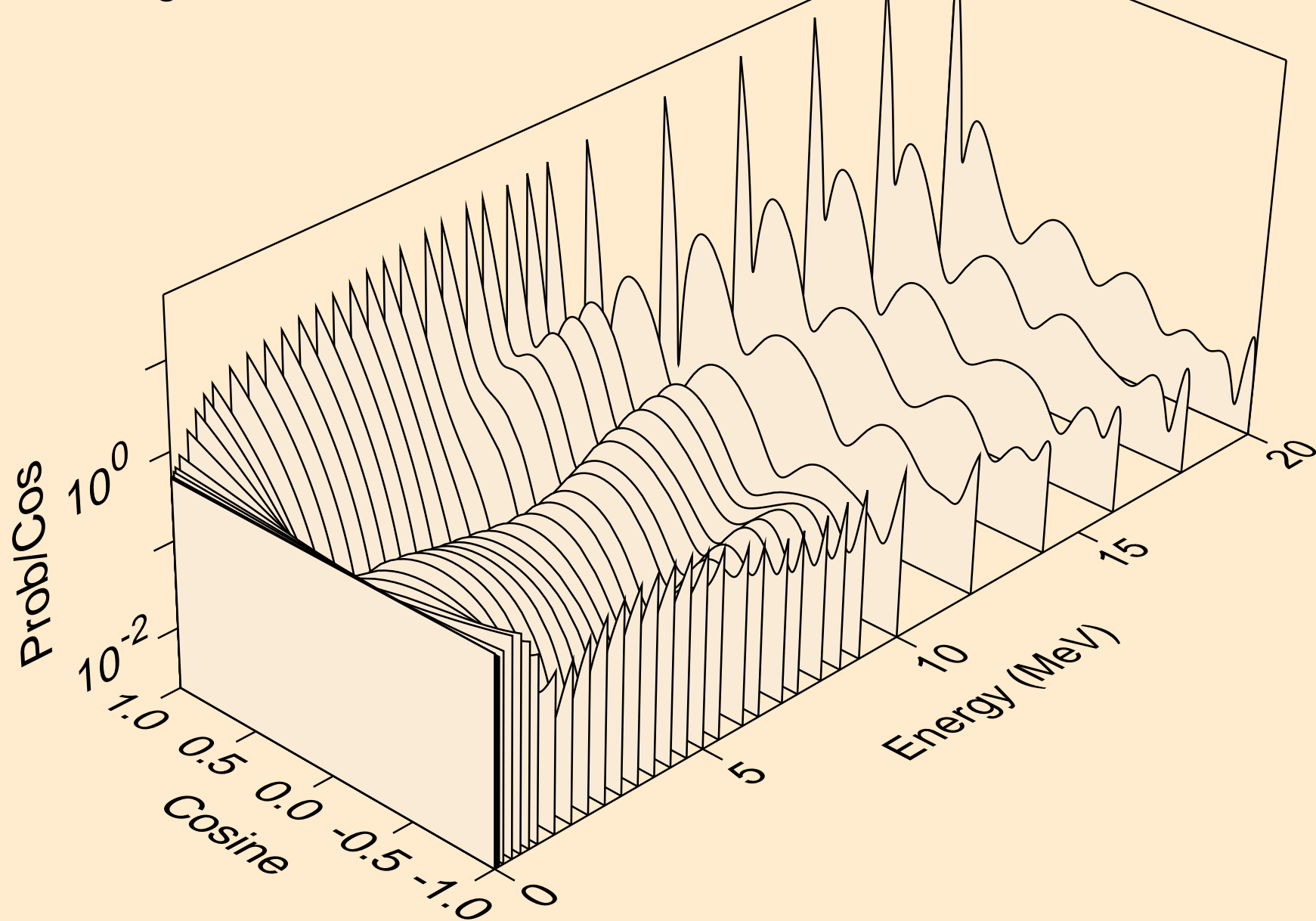
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



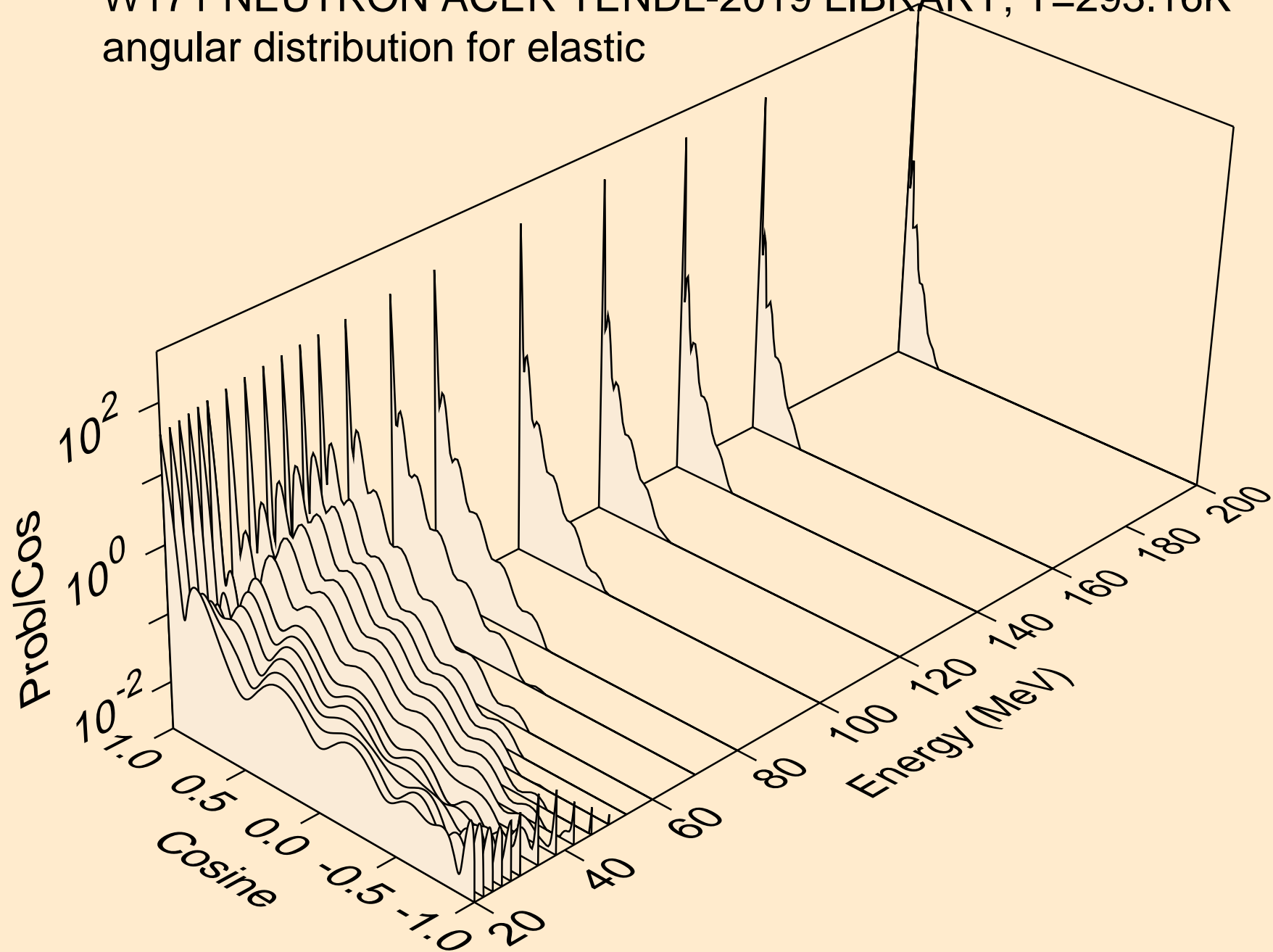
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



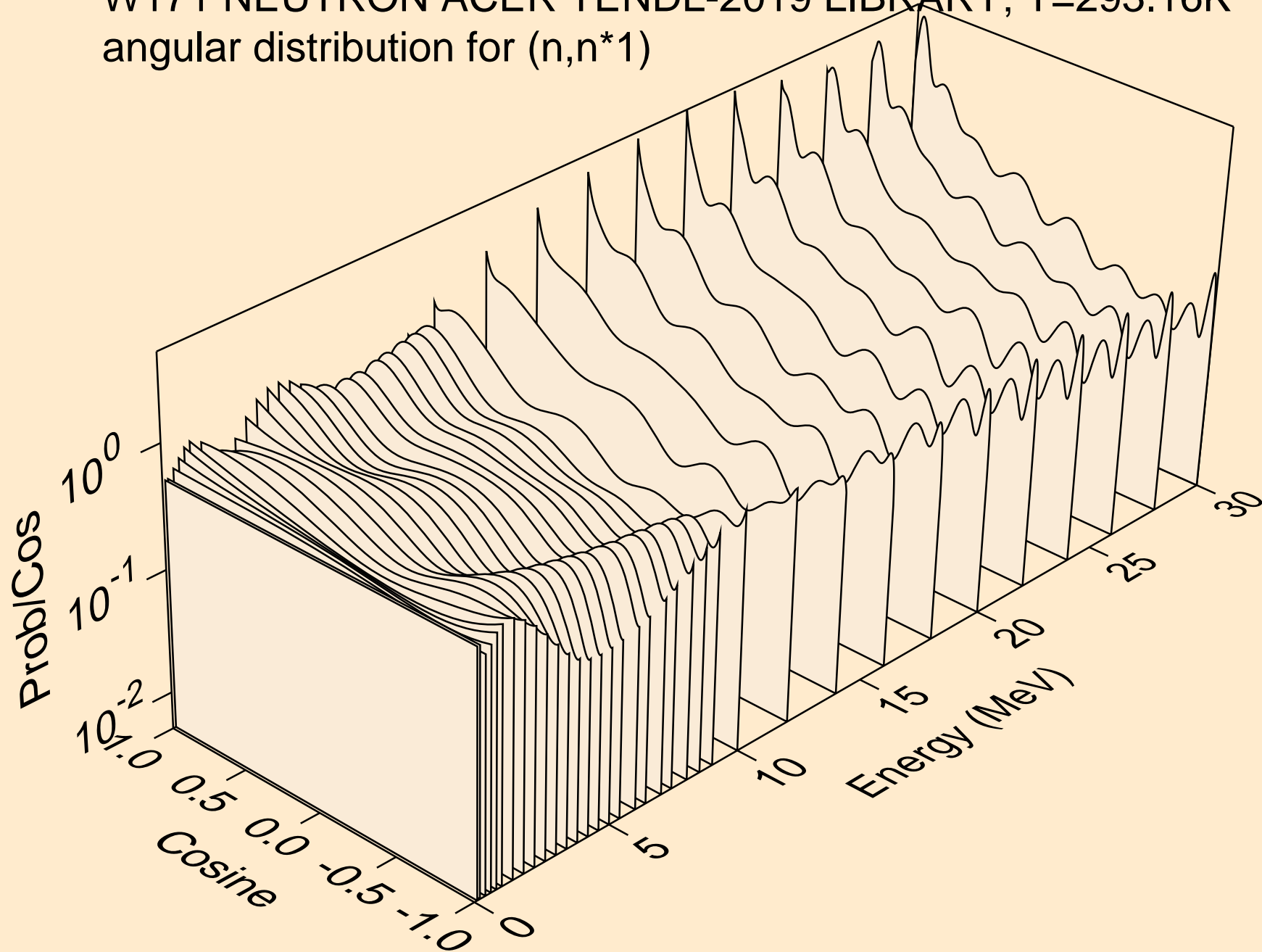
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

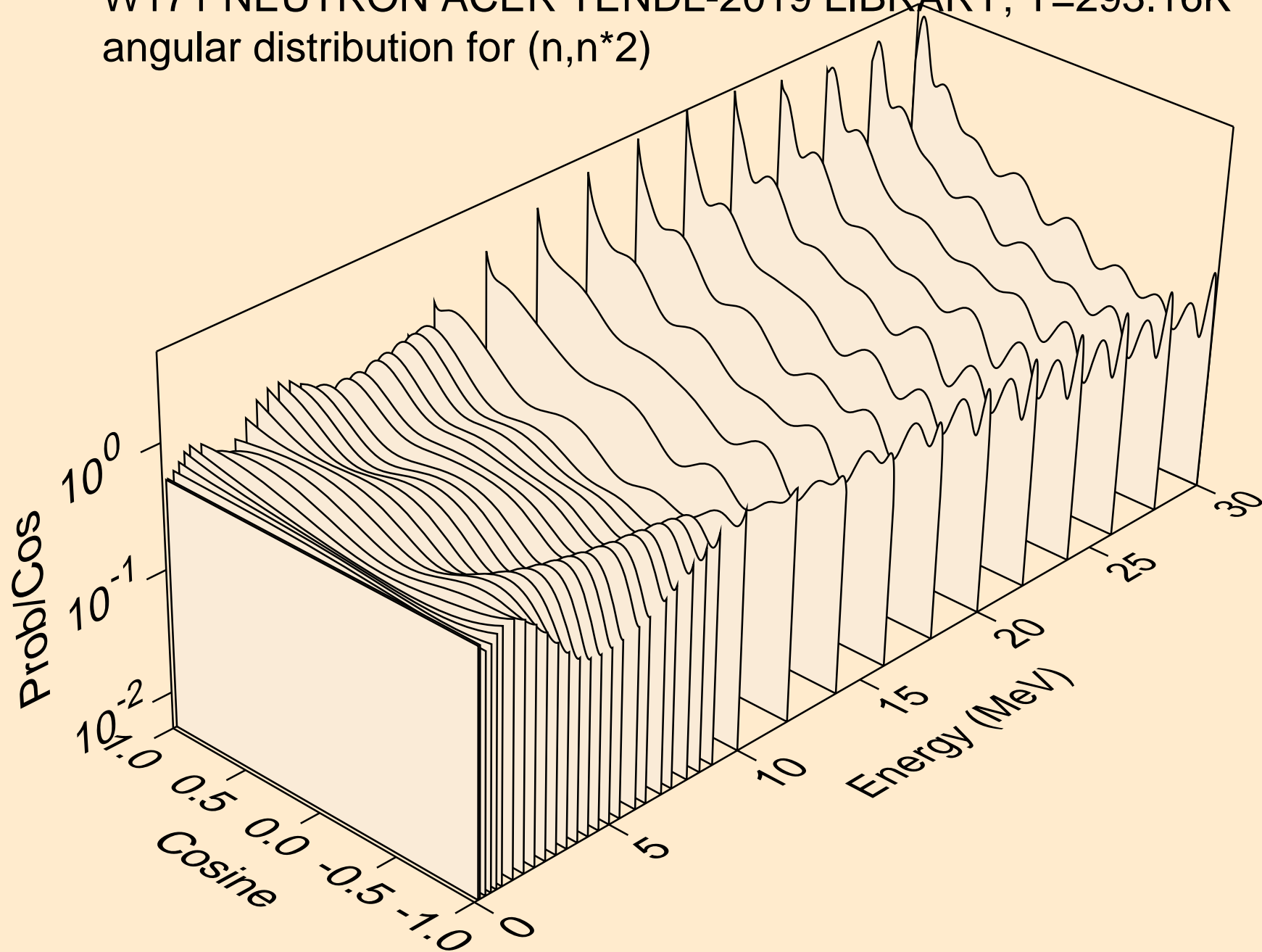


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

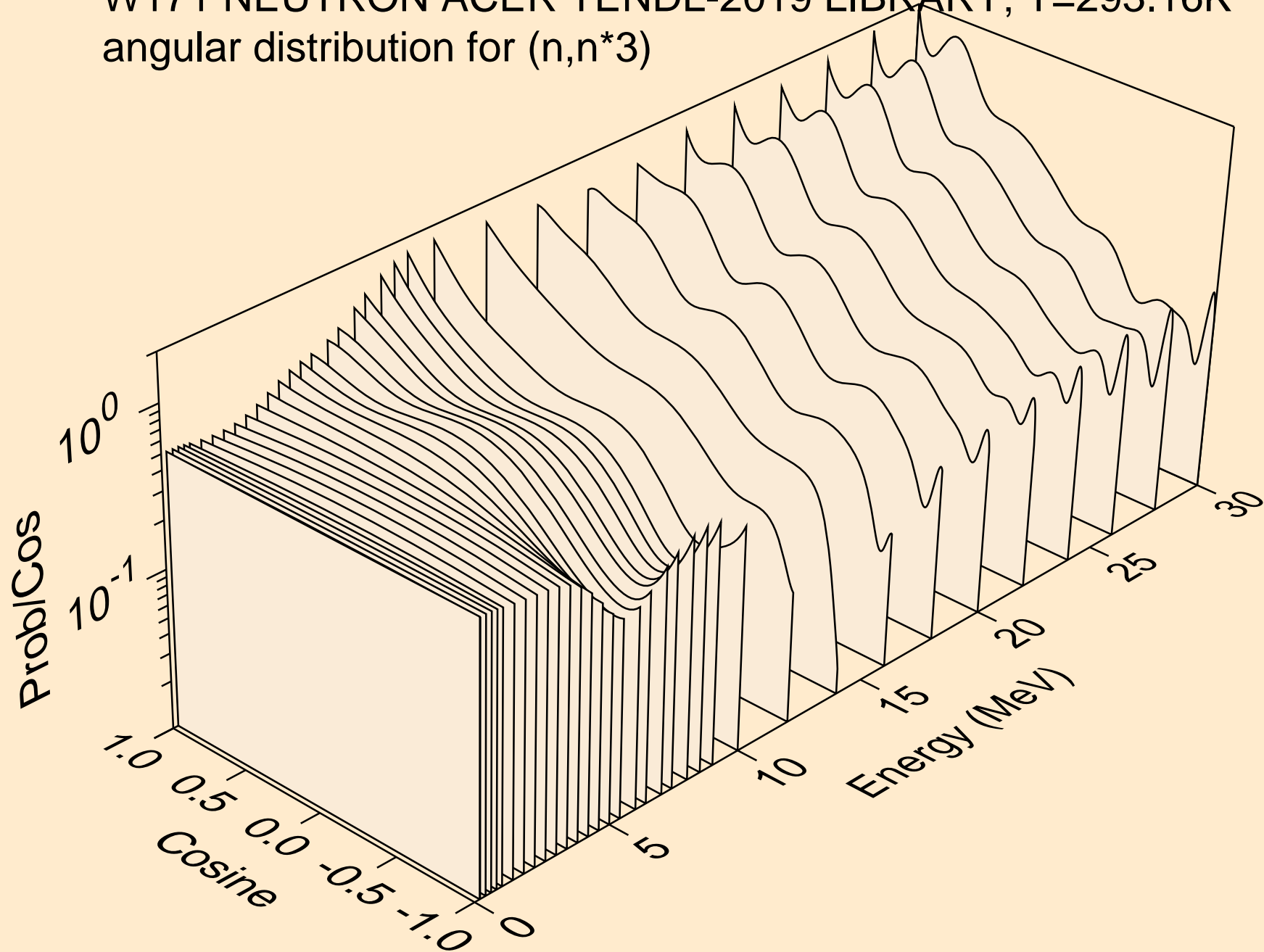




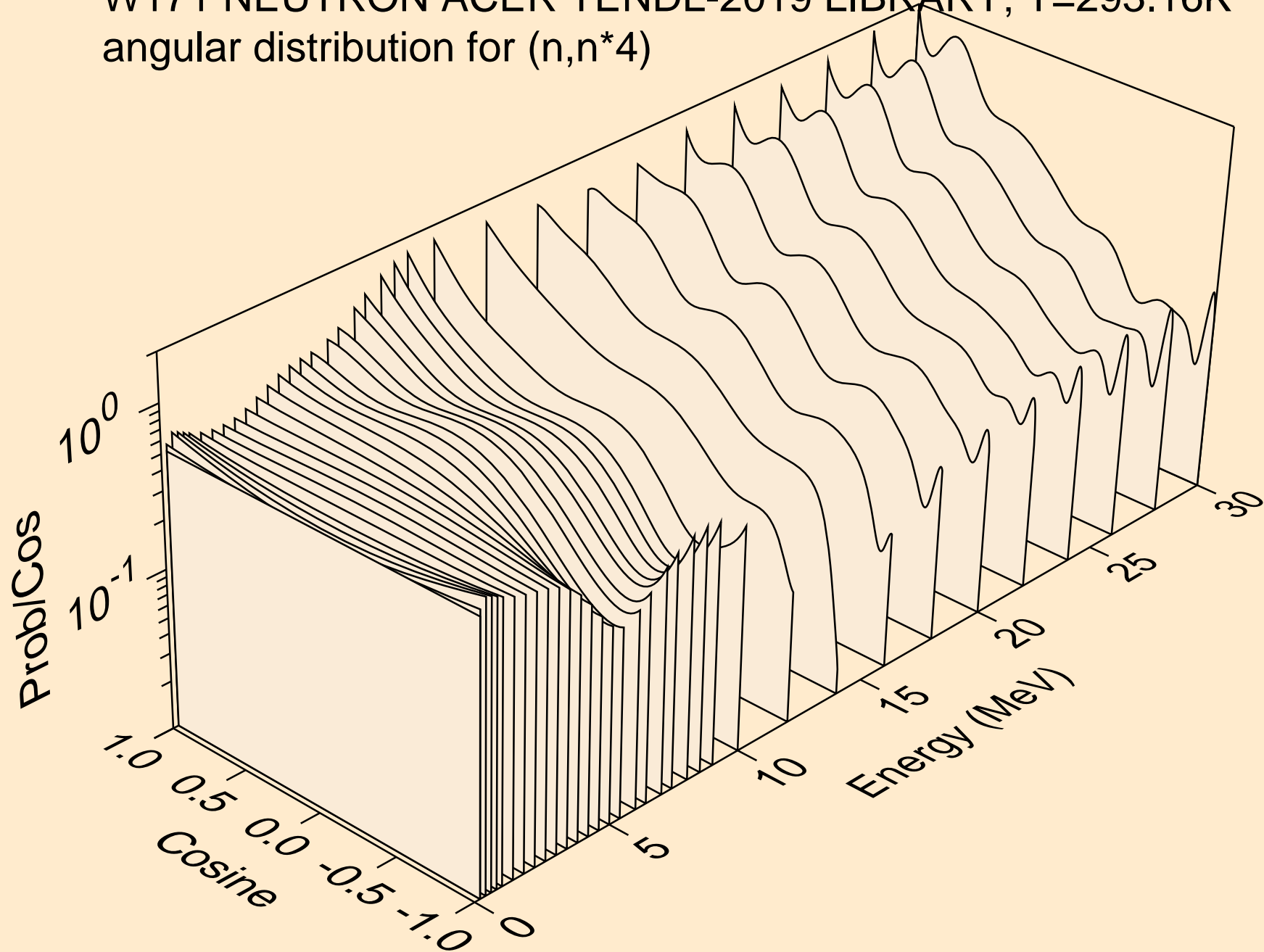
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angular distribution for (n,n\*2)



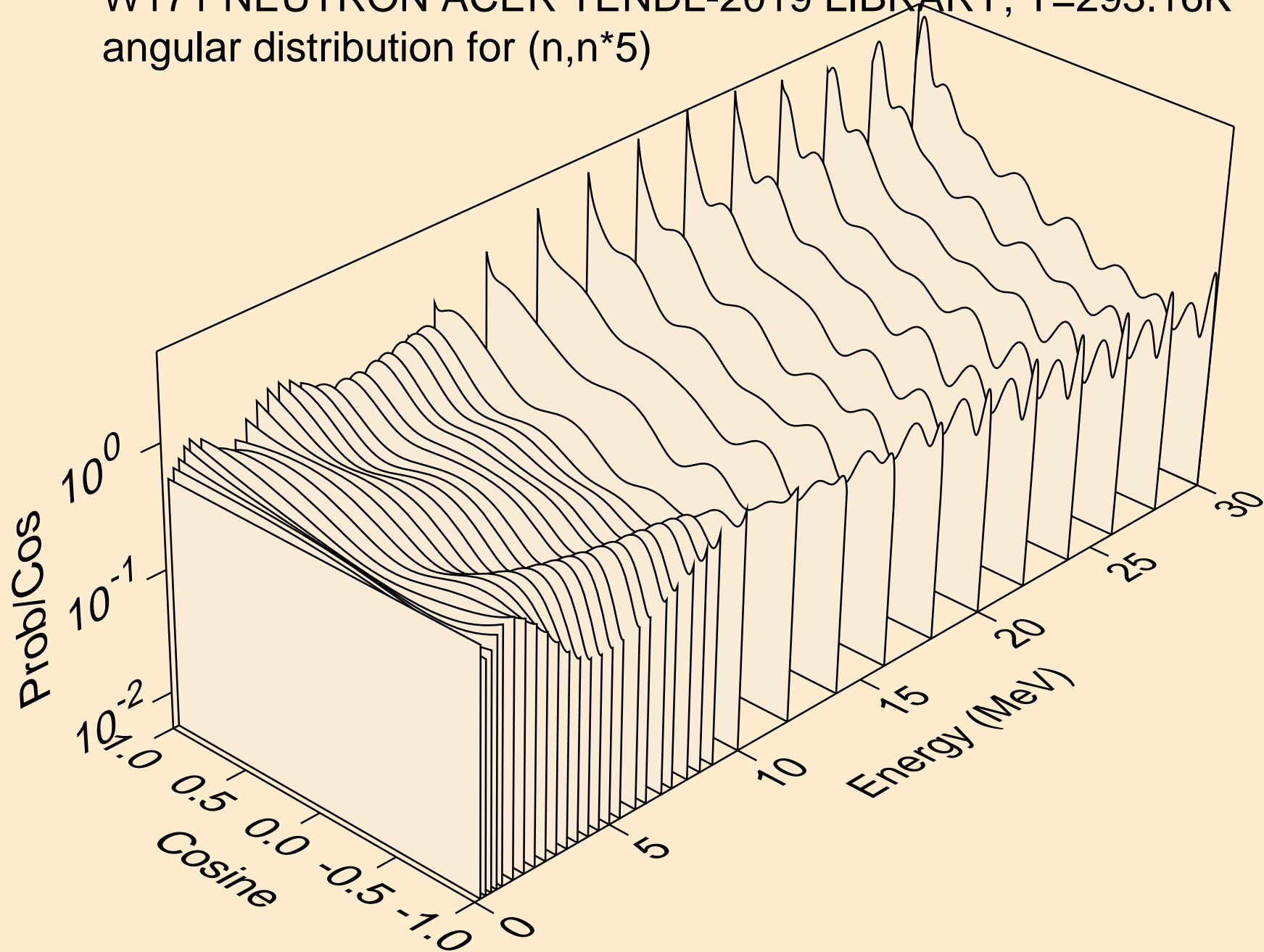
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angular distribution for (n,n\*3)



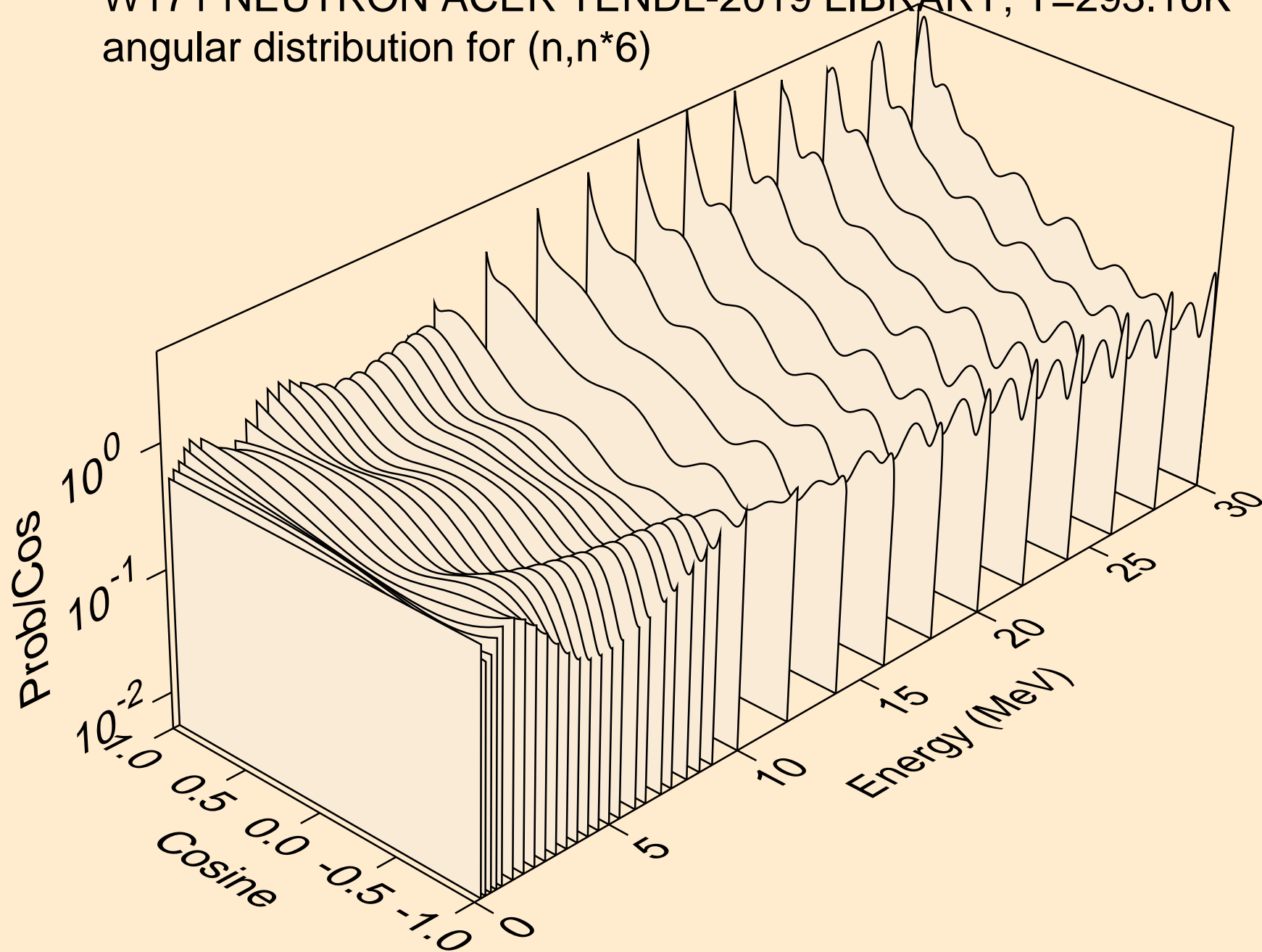
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angular distribution for (n,n\*4)



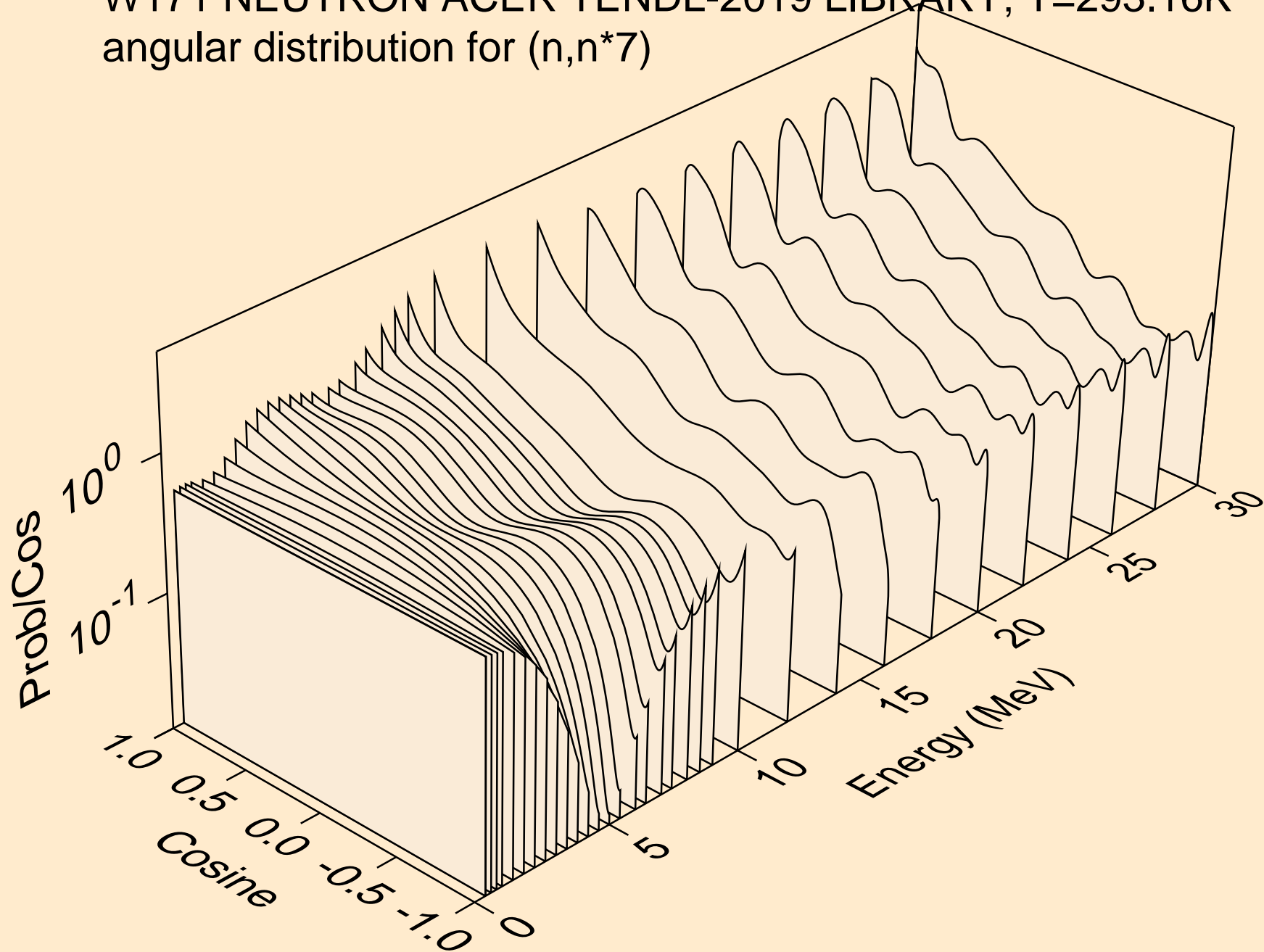
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angular distribution for (n,n\*5)



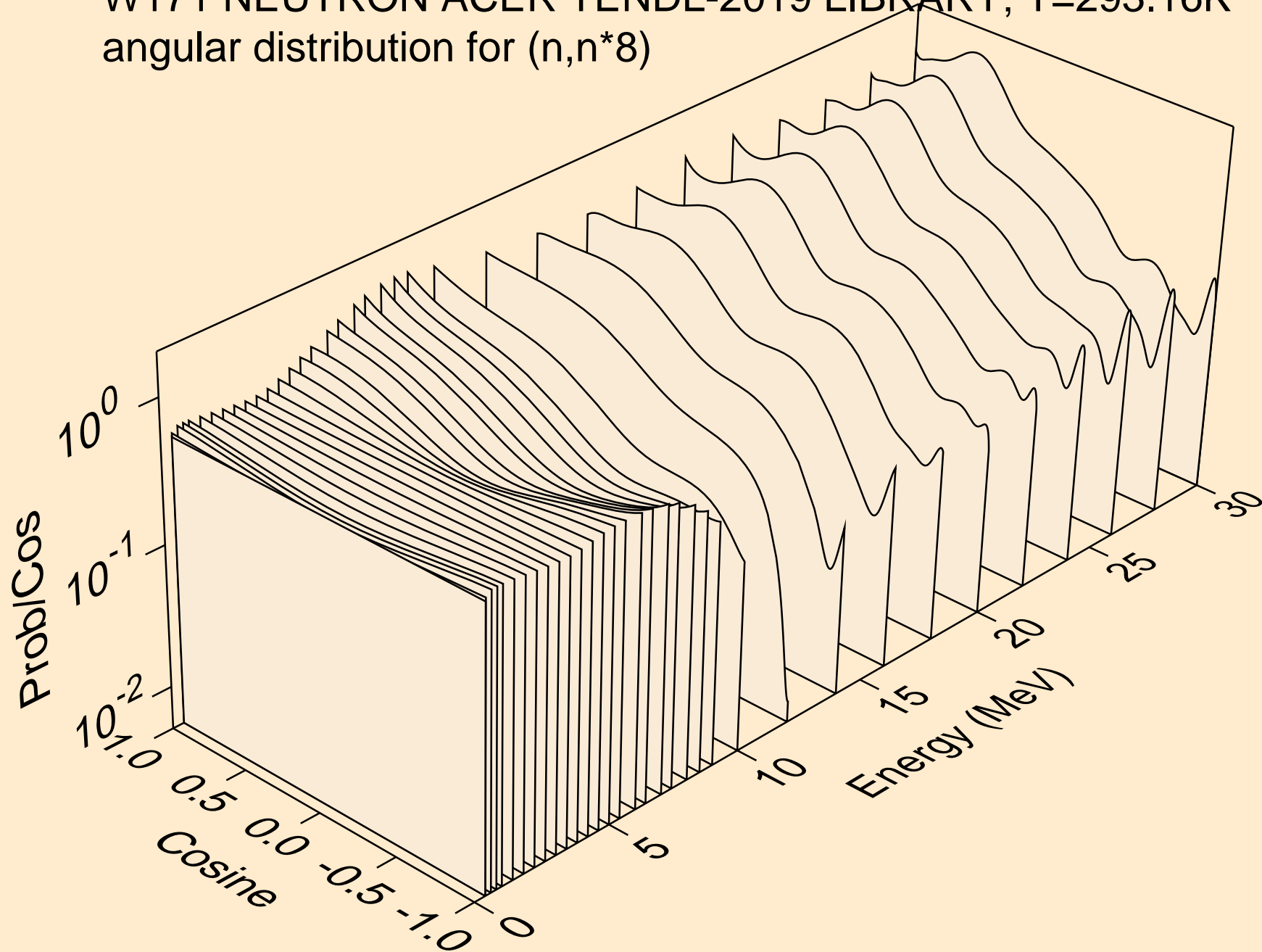
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

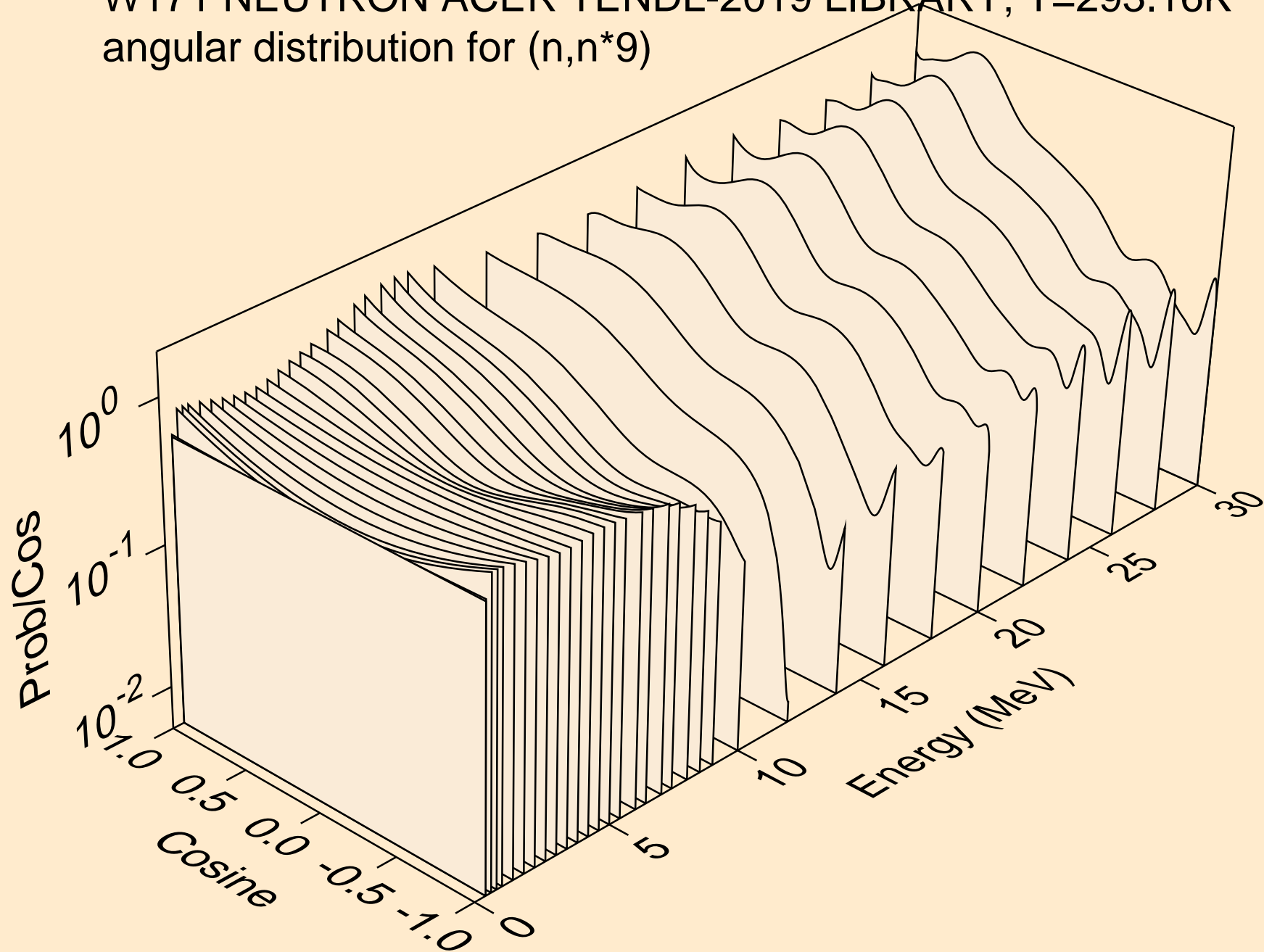


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



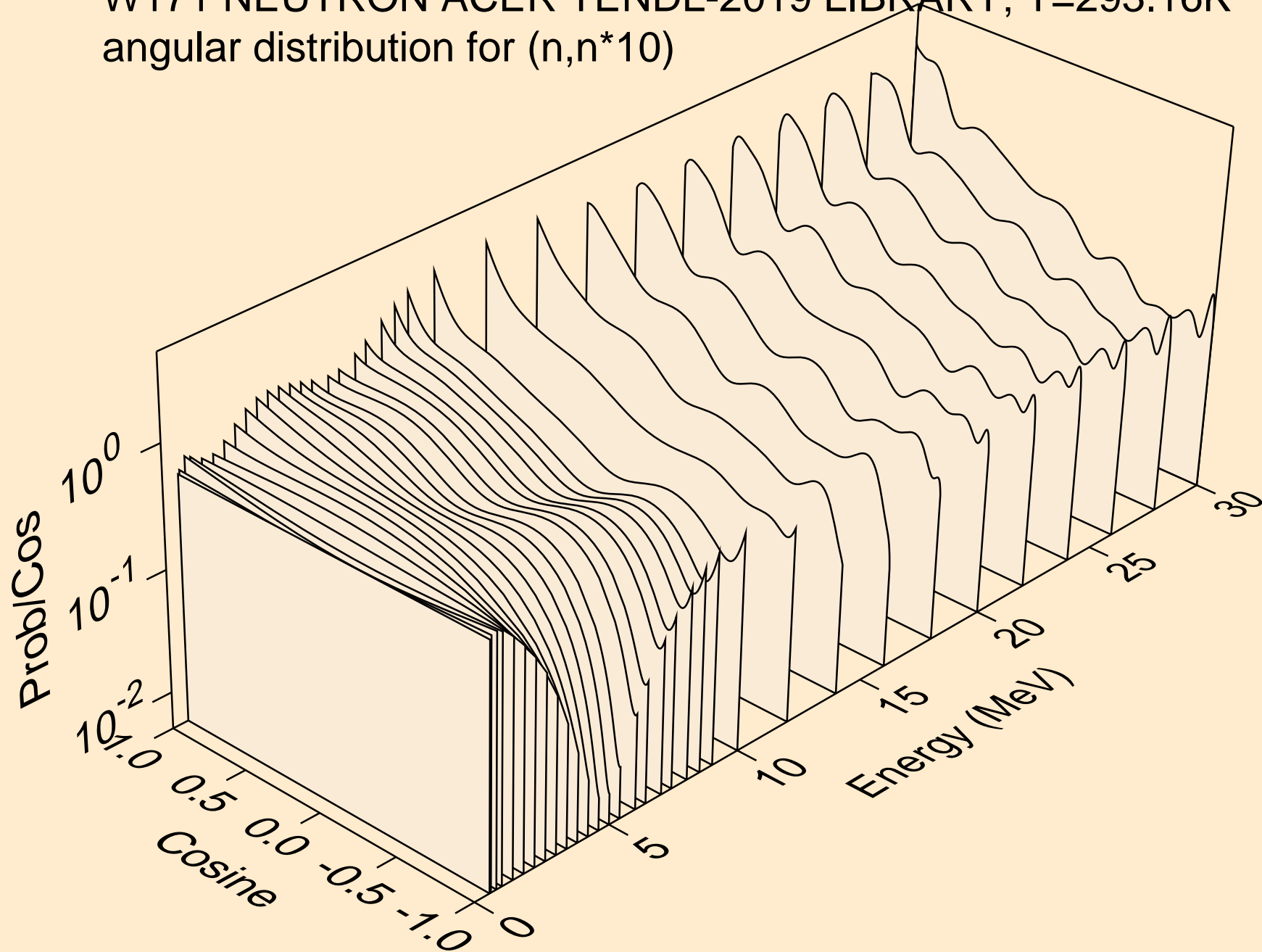


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

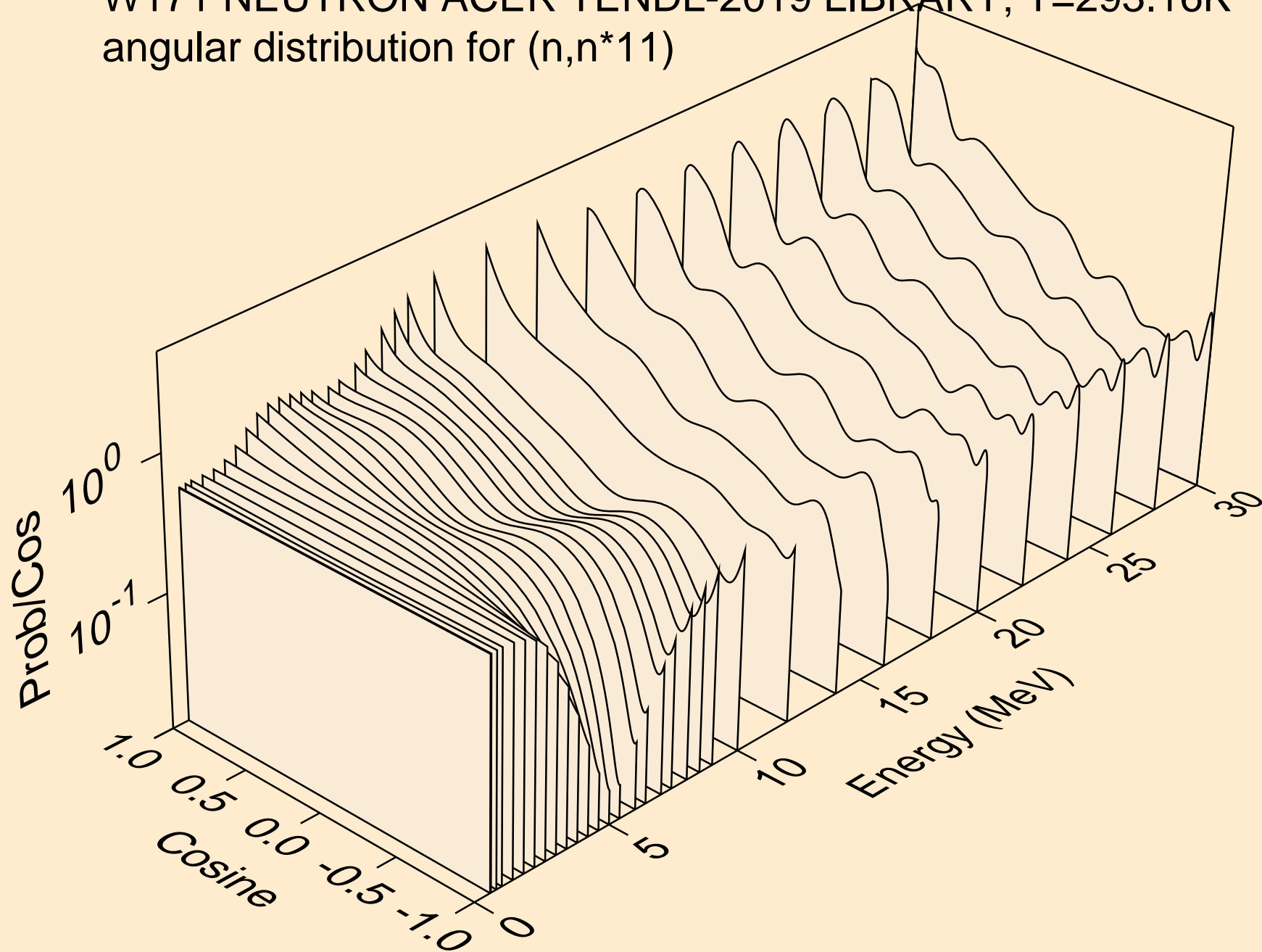




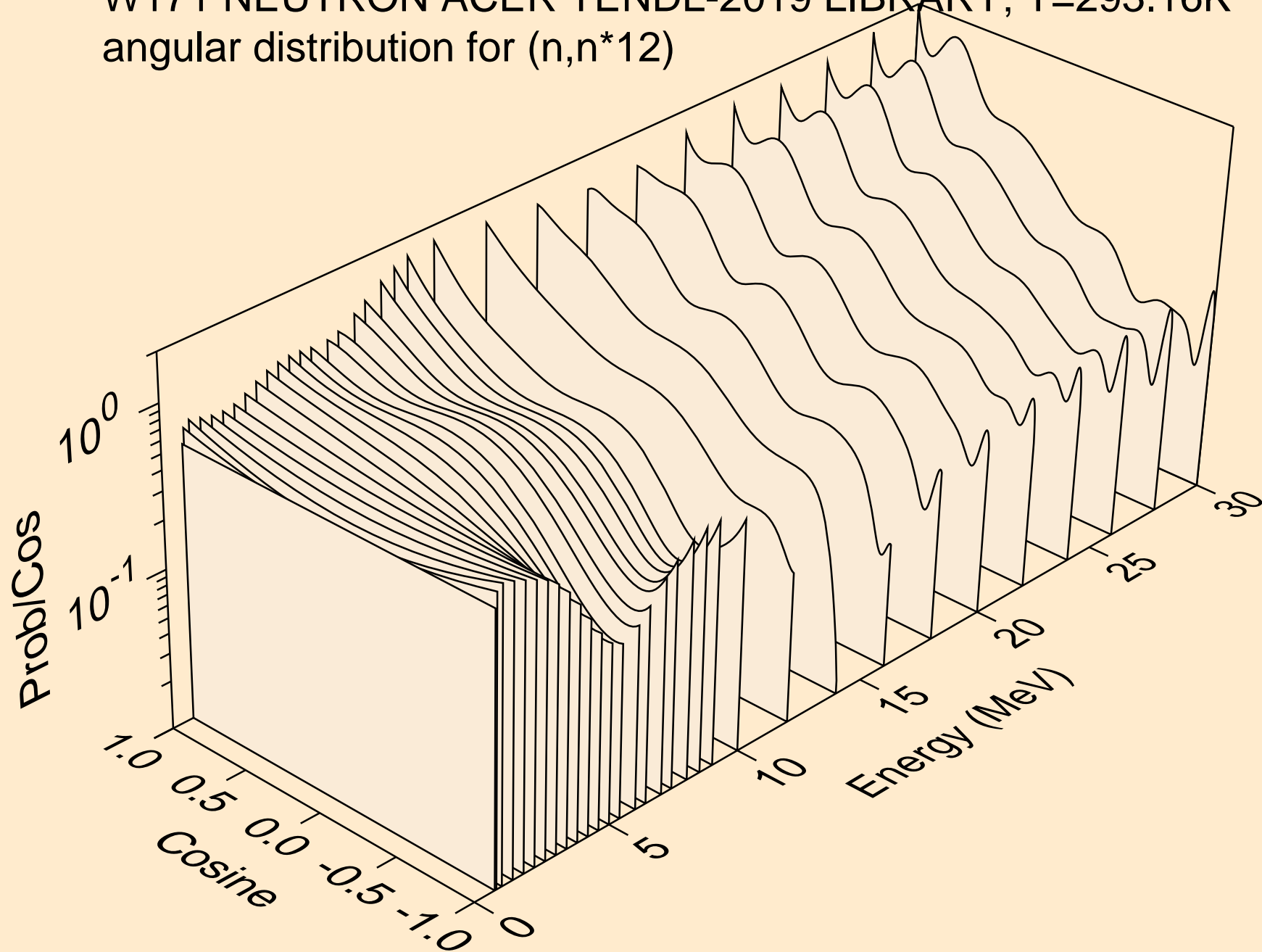
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angular distribution for (n,n\*10)



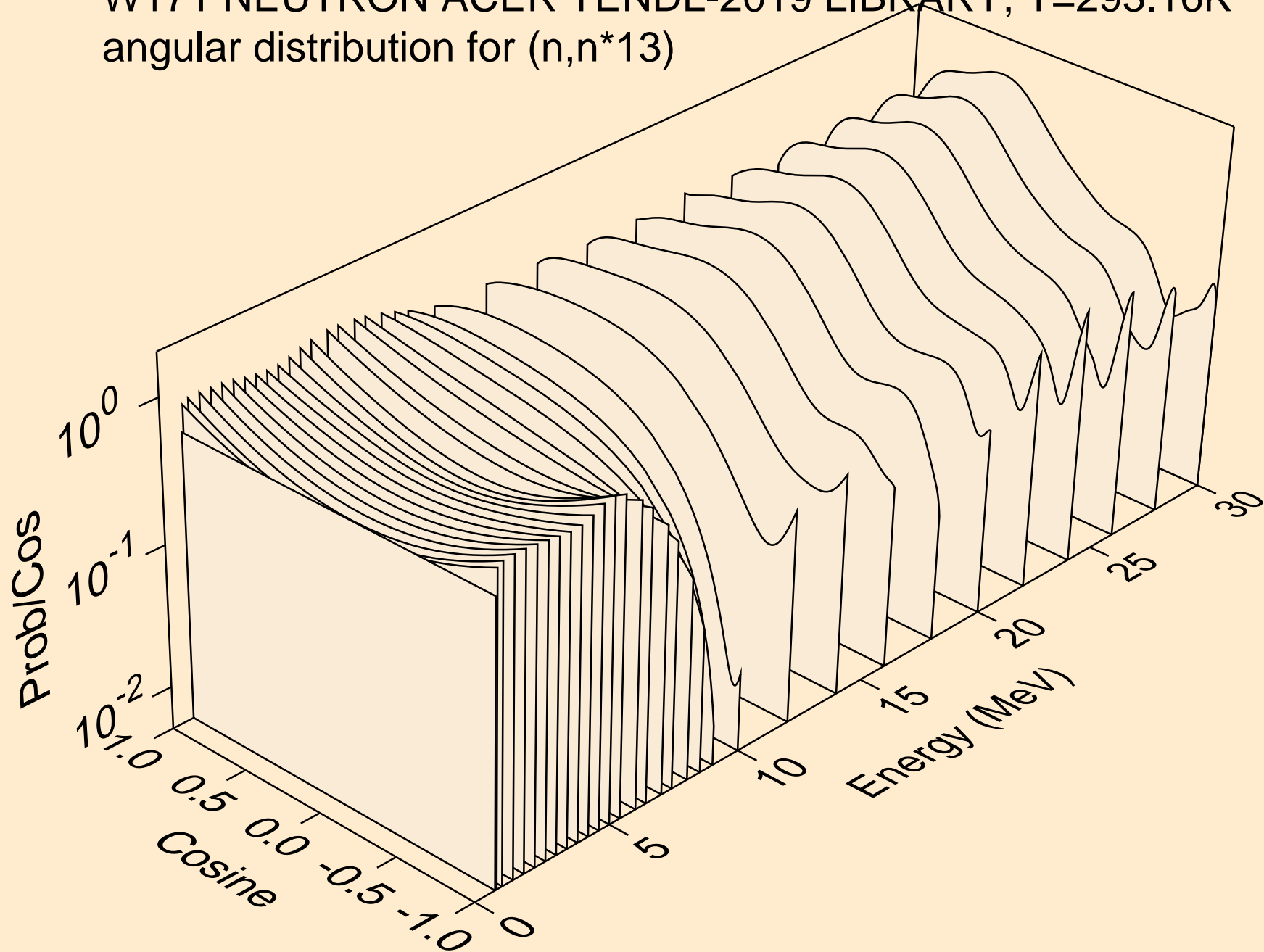
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angular distribution for (n,n\*11)



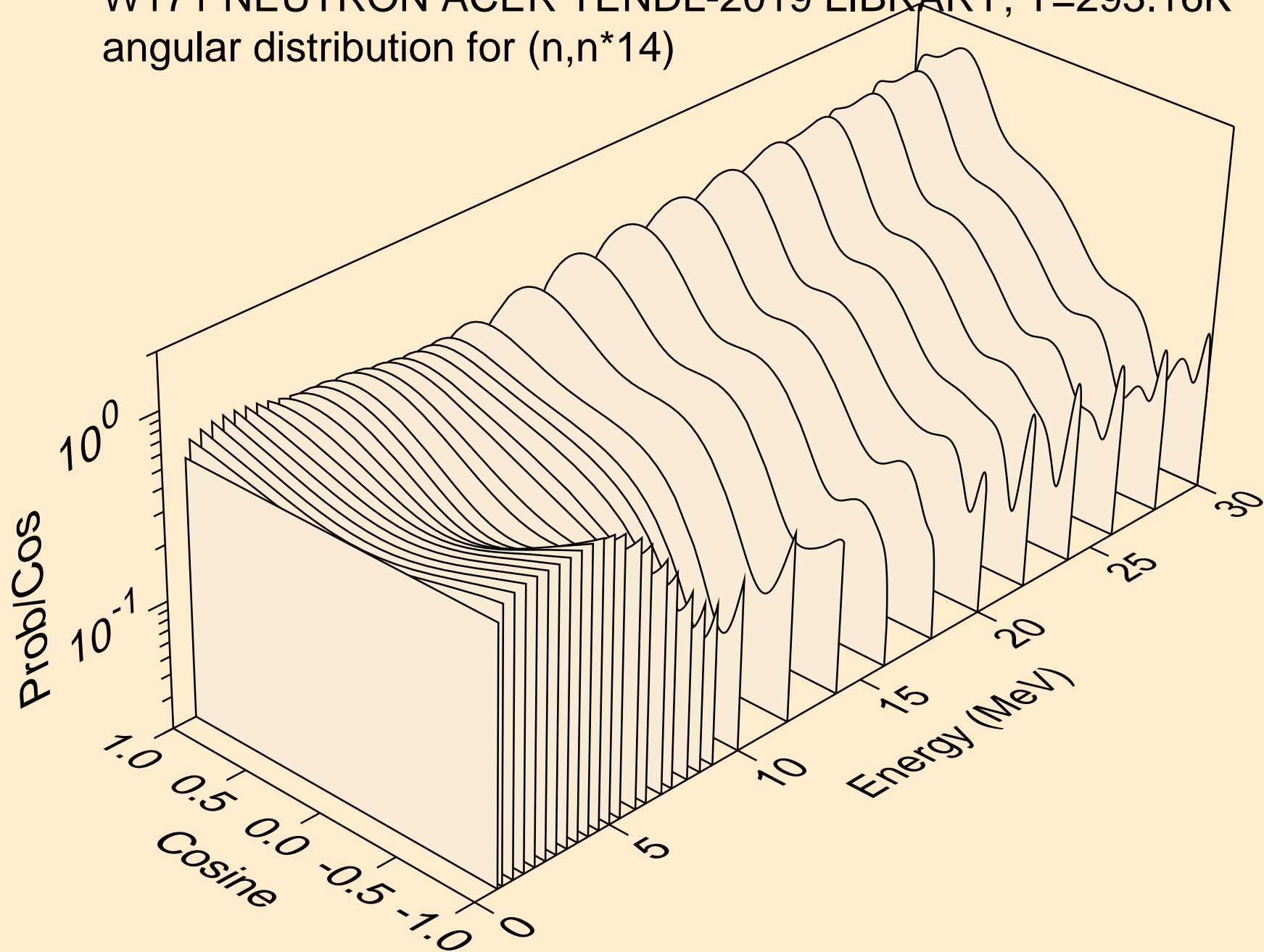
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angular distribution for (n,n\*12)



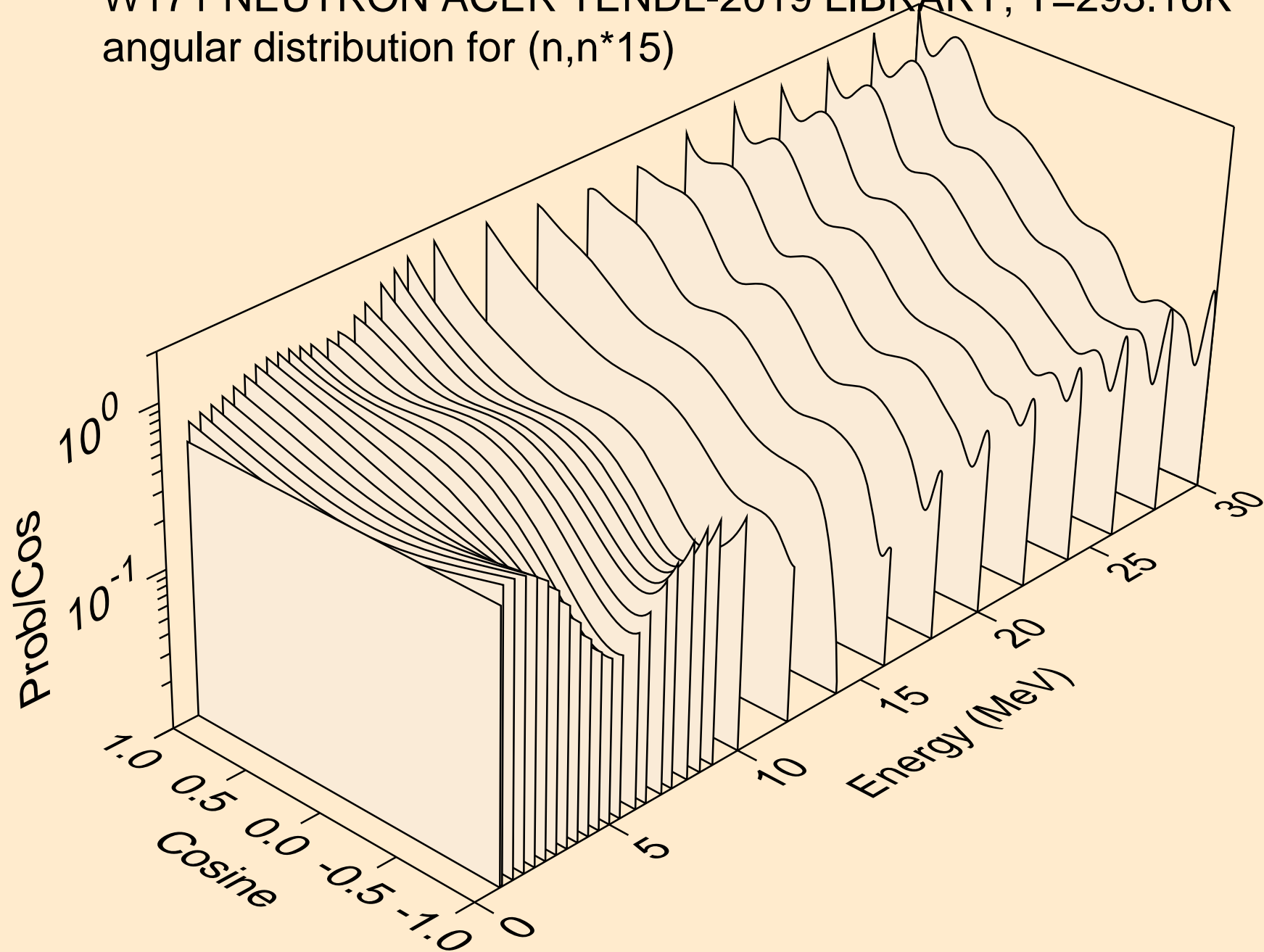
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angular distribution for (n,n\*13)



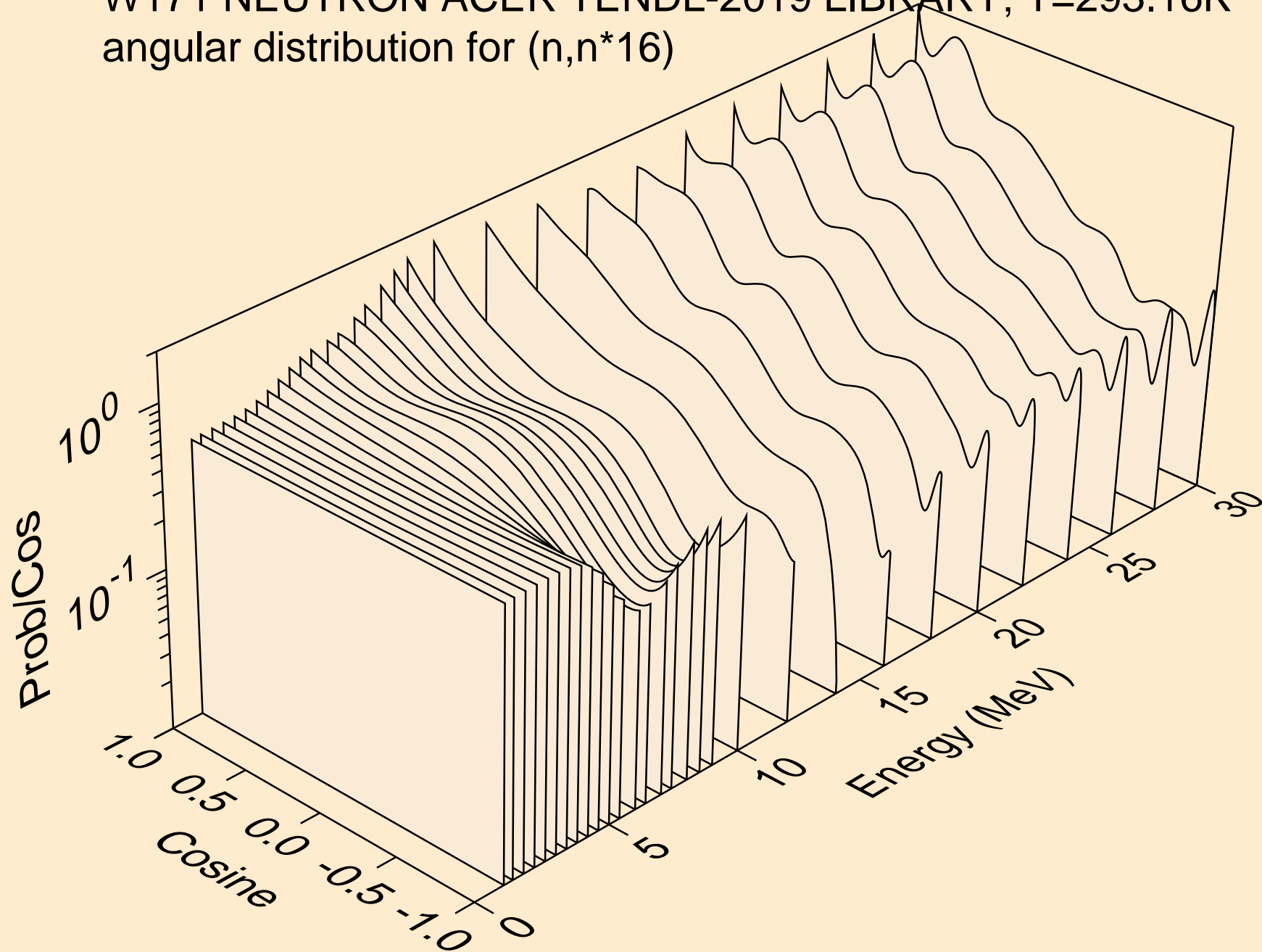
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angular distribution for (n,n\*14)



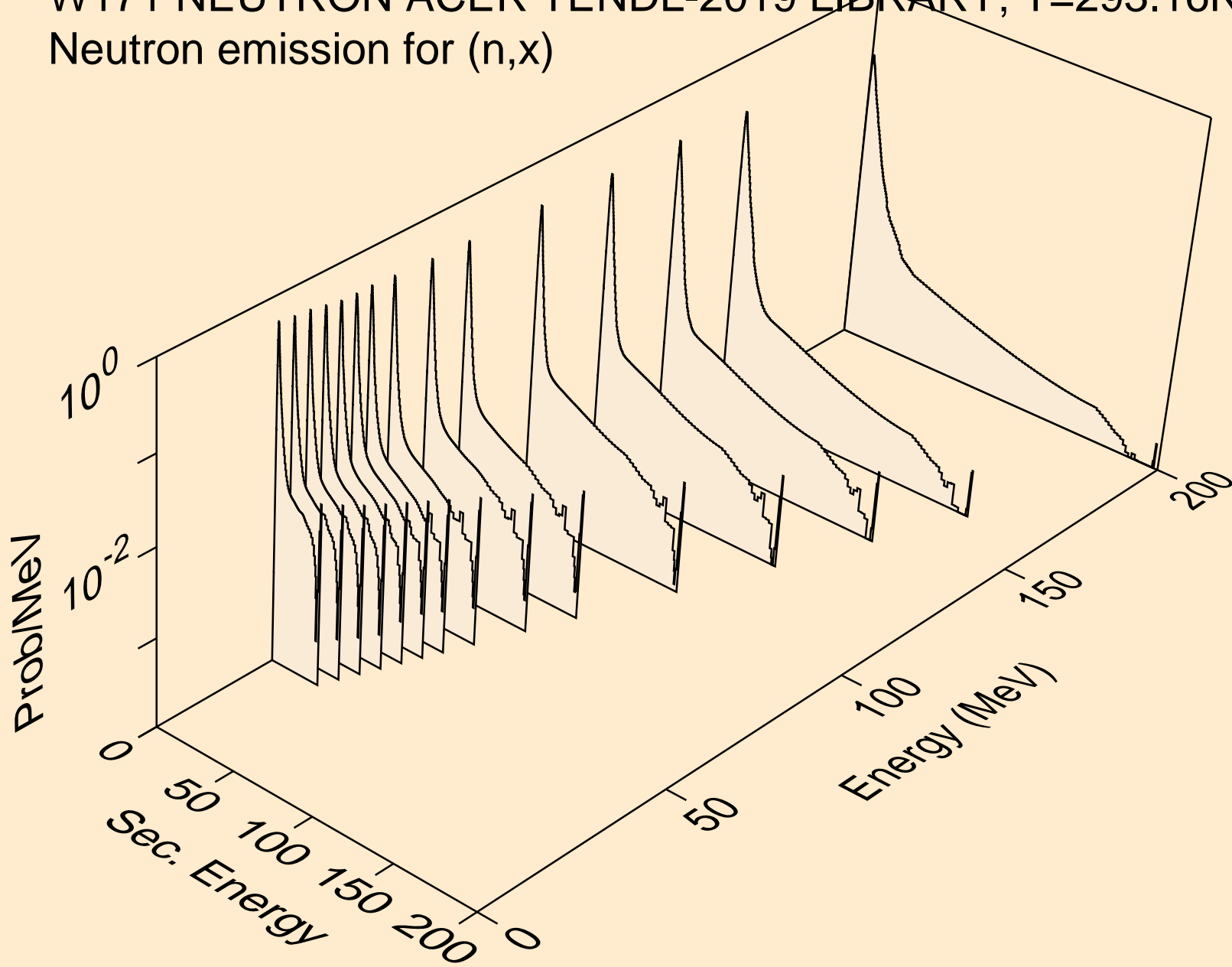
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

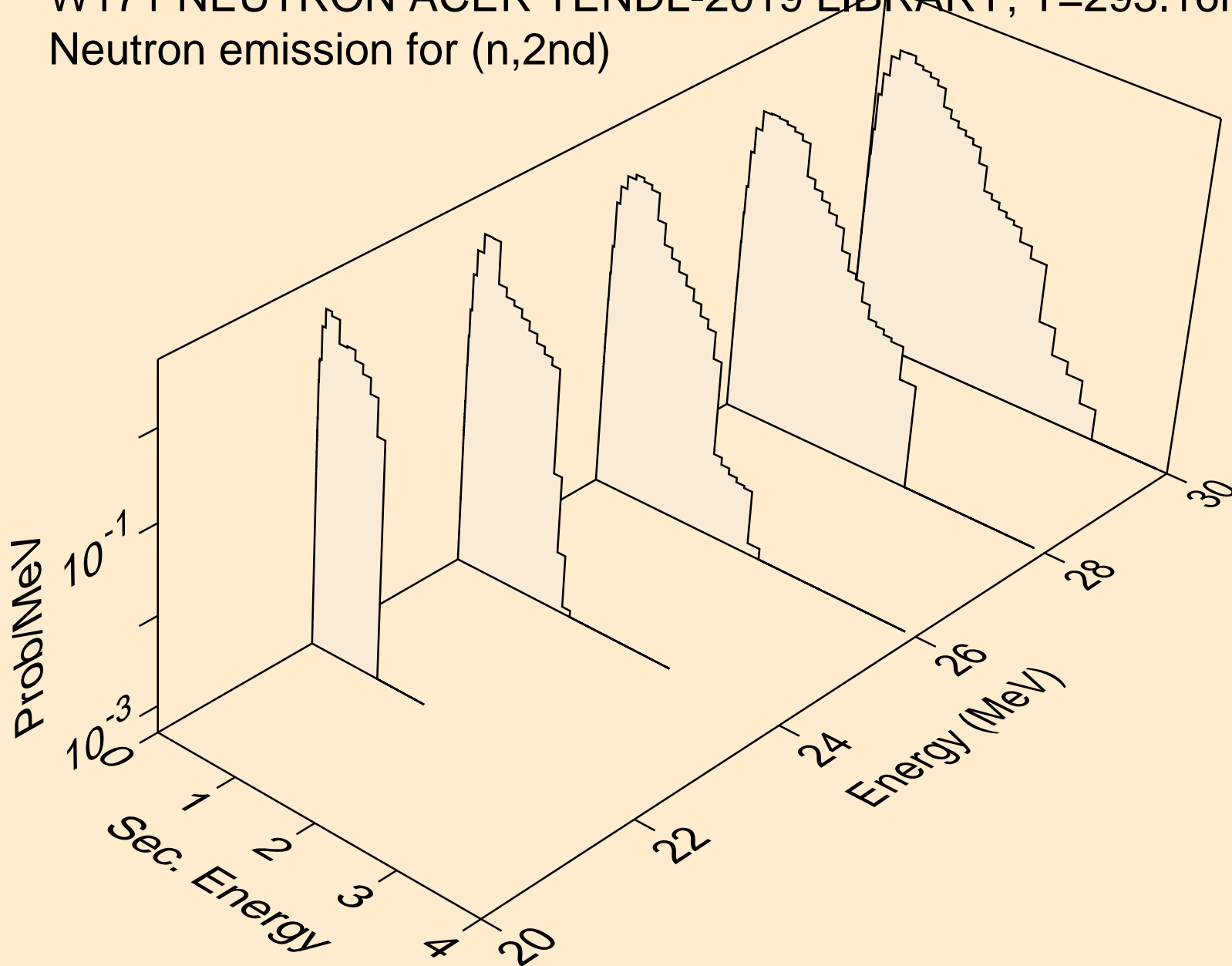


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

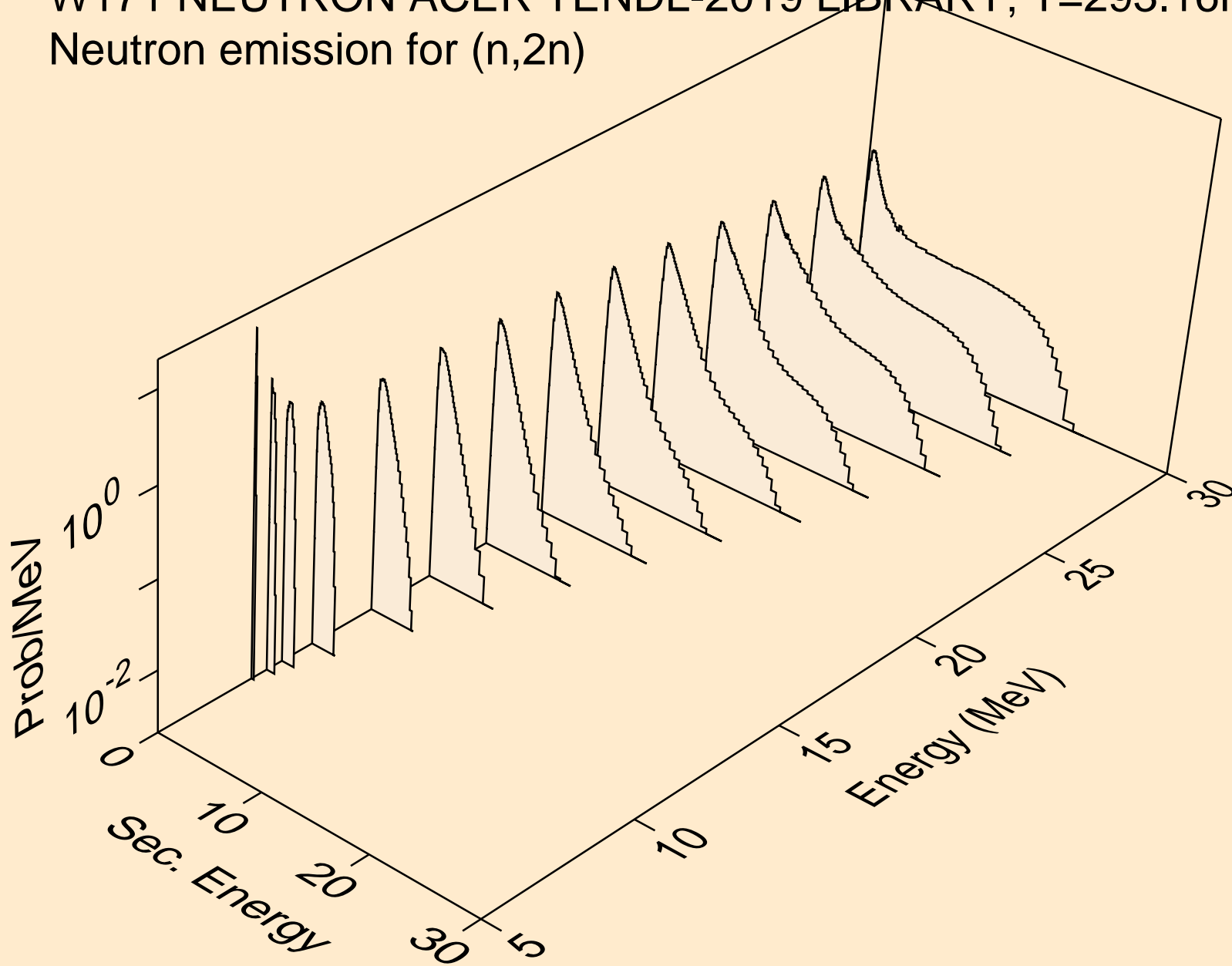




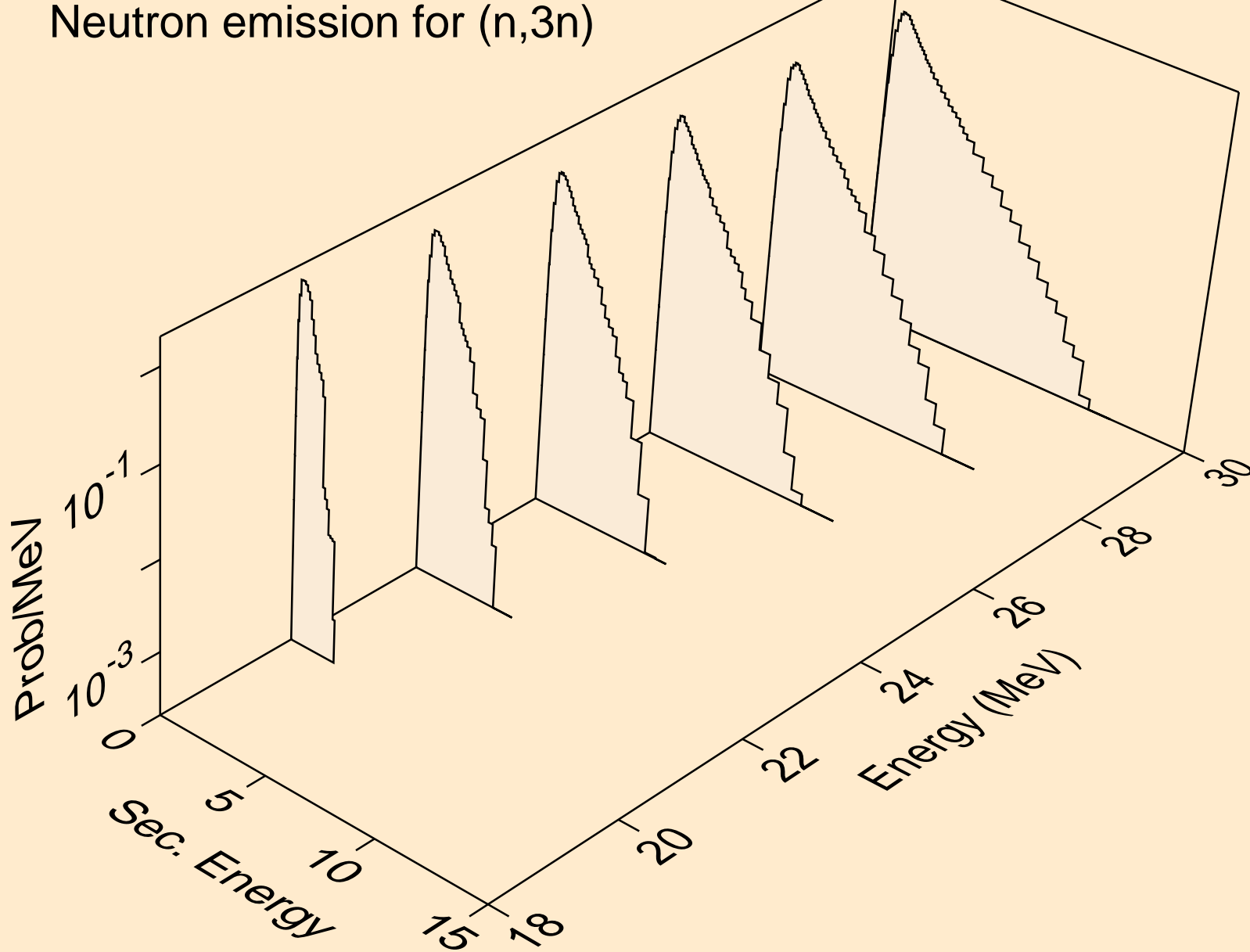
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



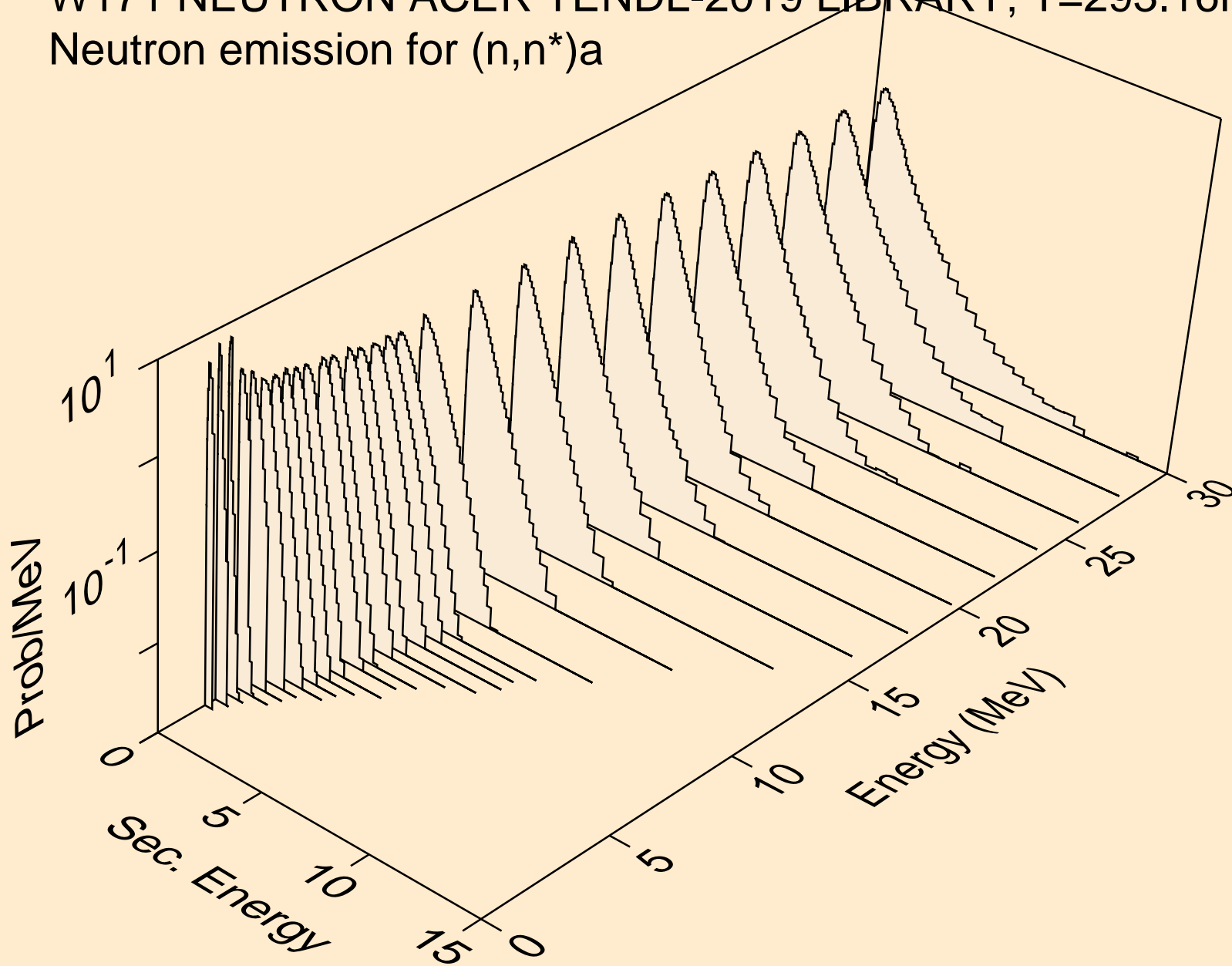
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



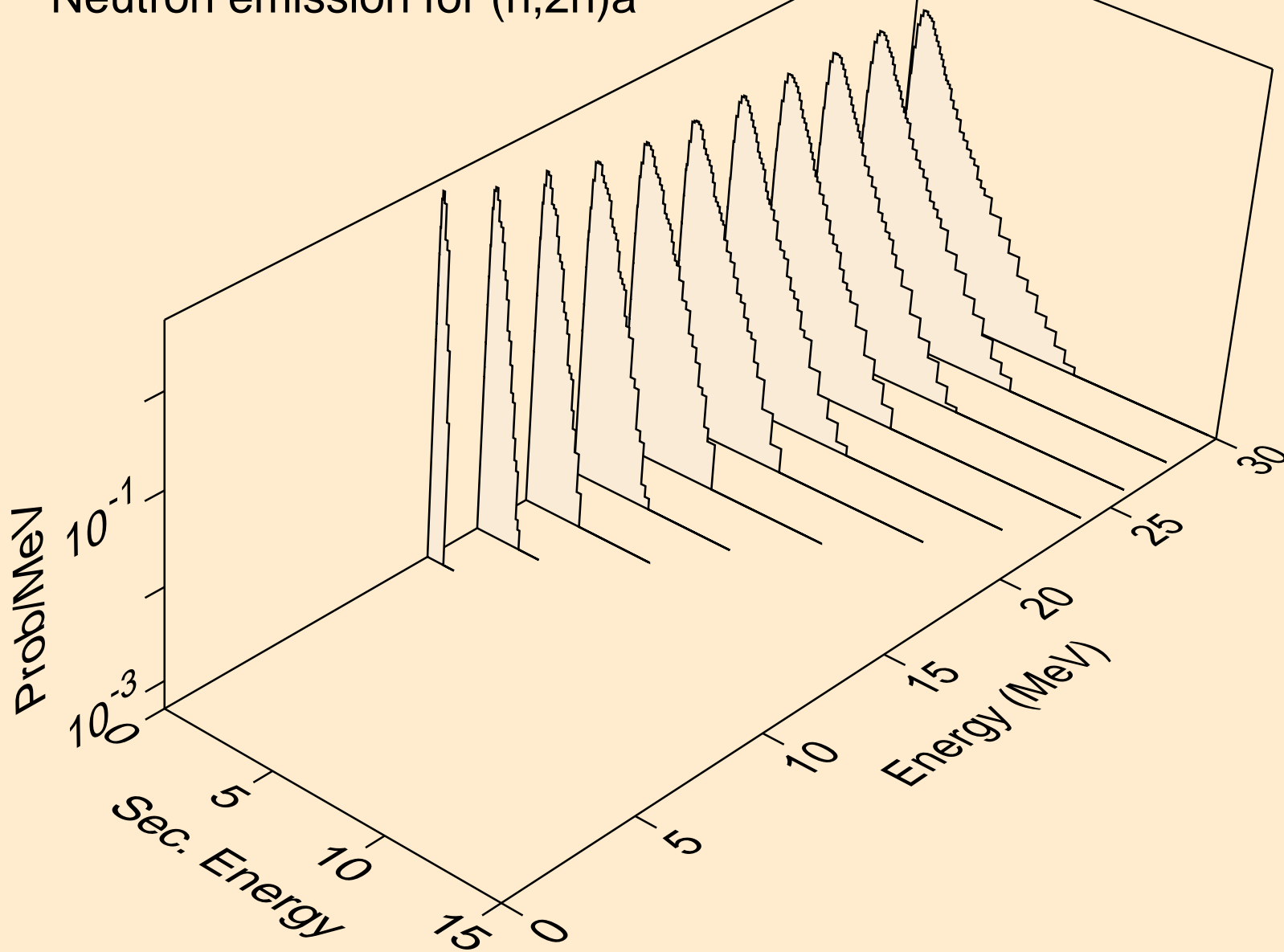
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



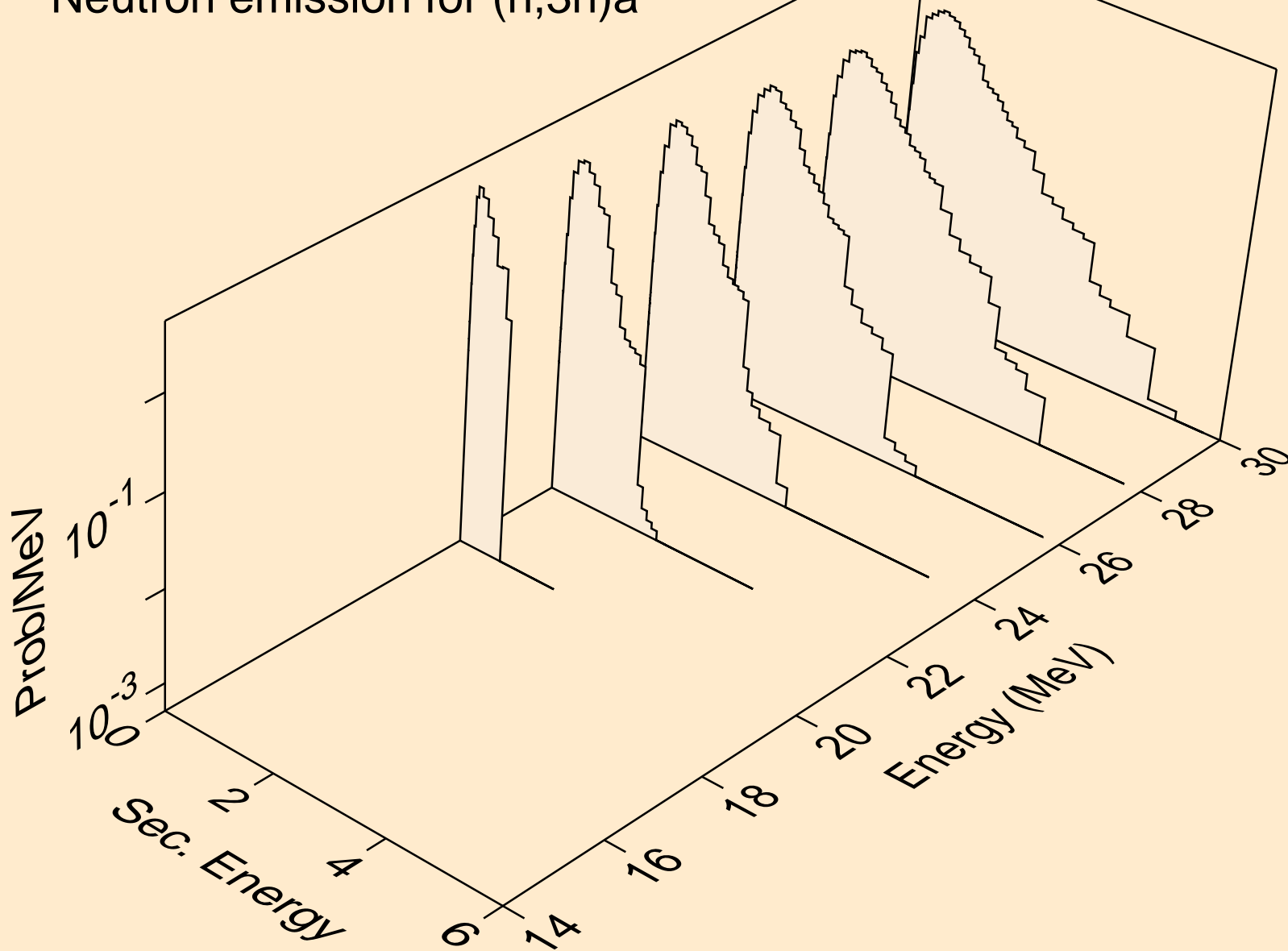
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



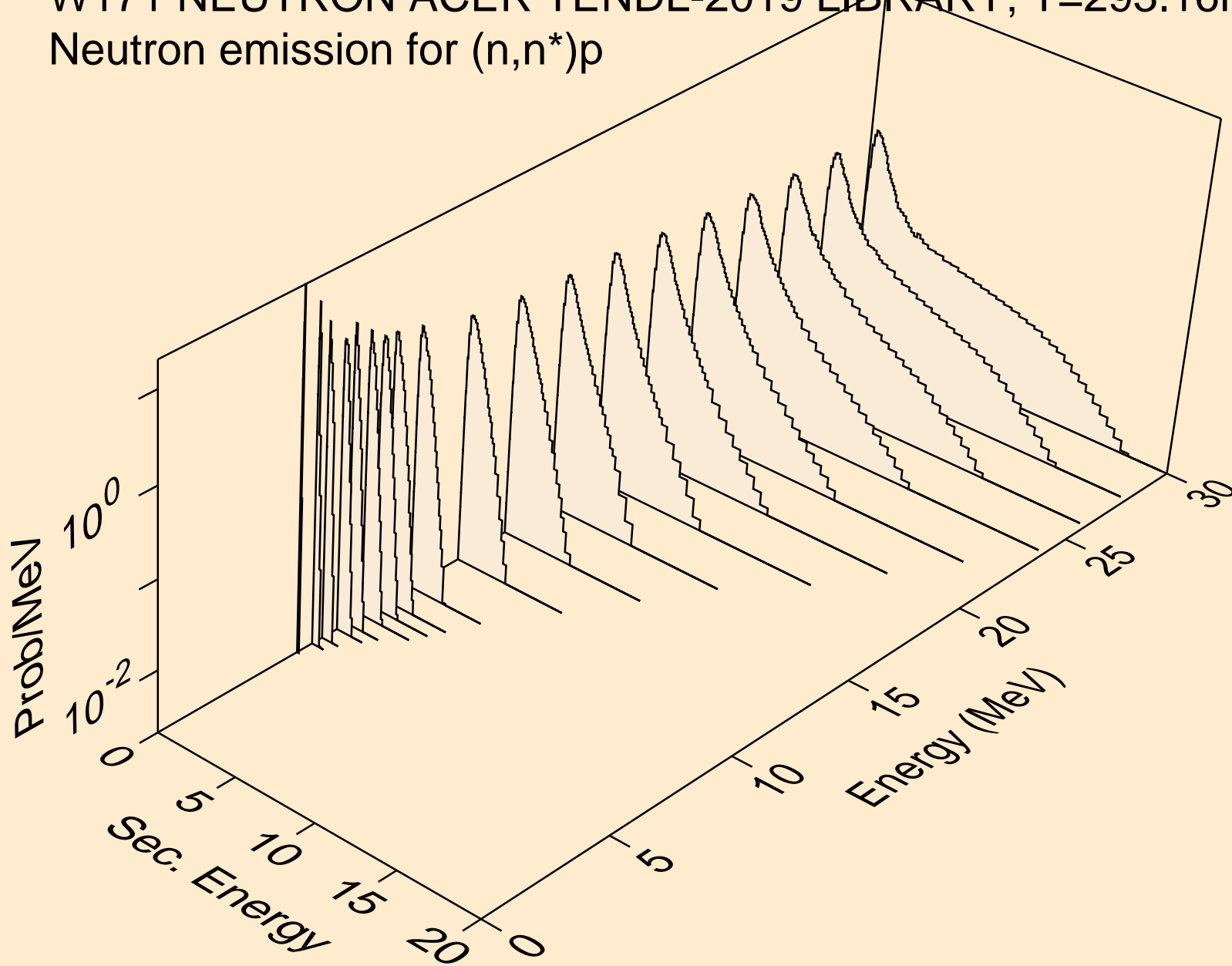
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Neutron emission for (n,2n)a



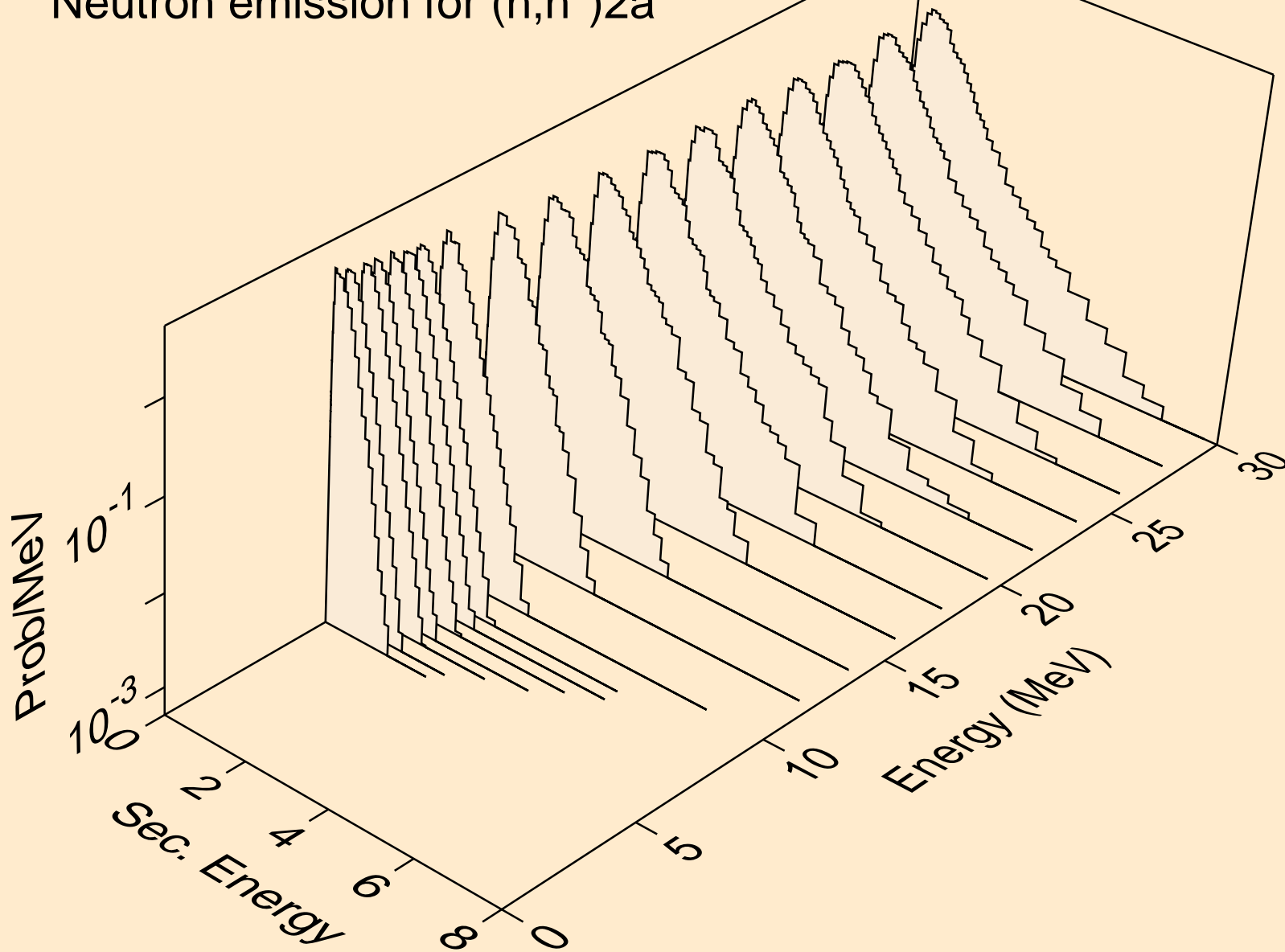
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

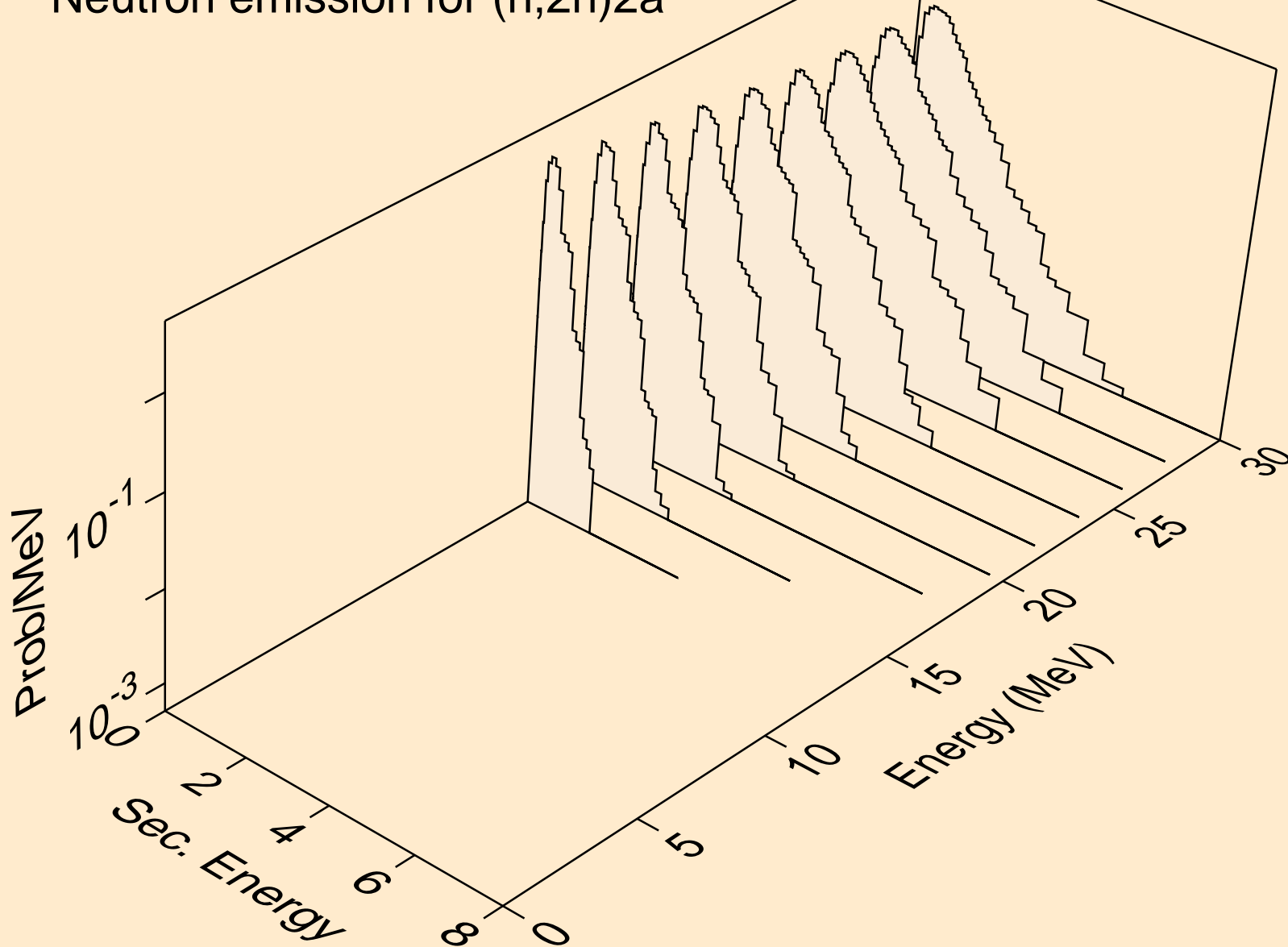


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

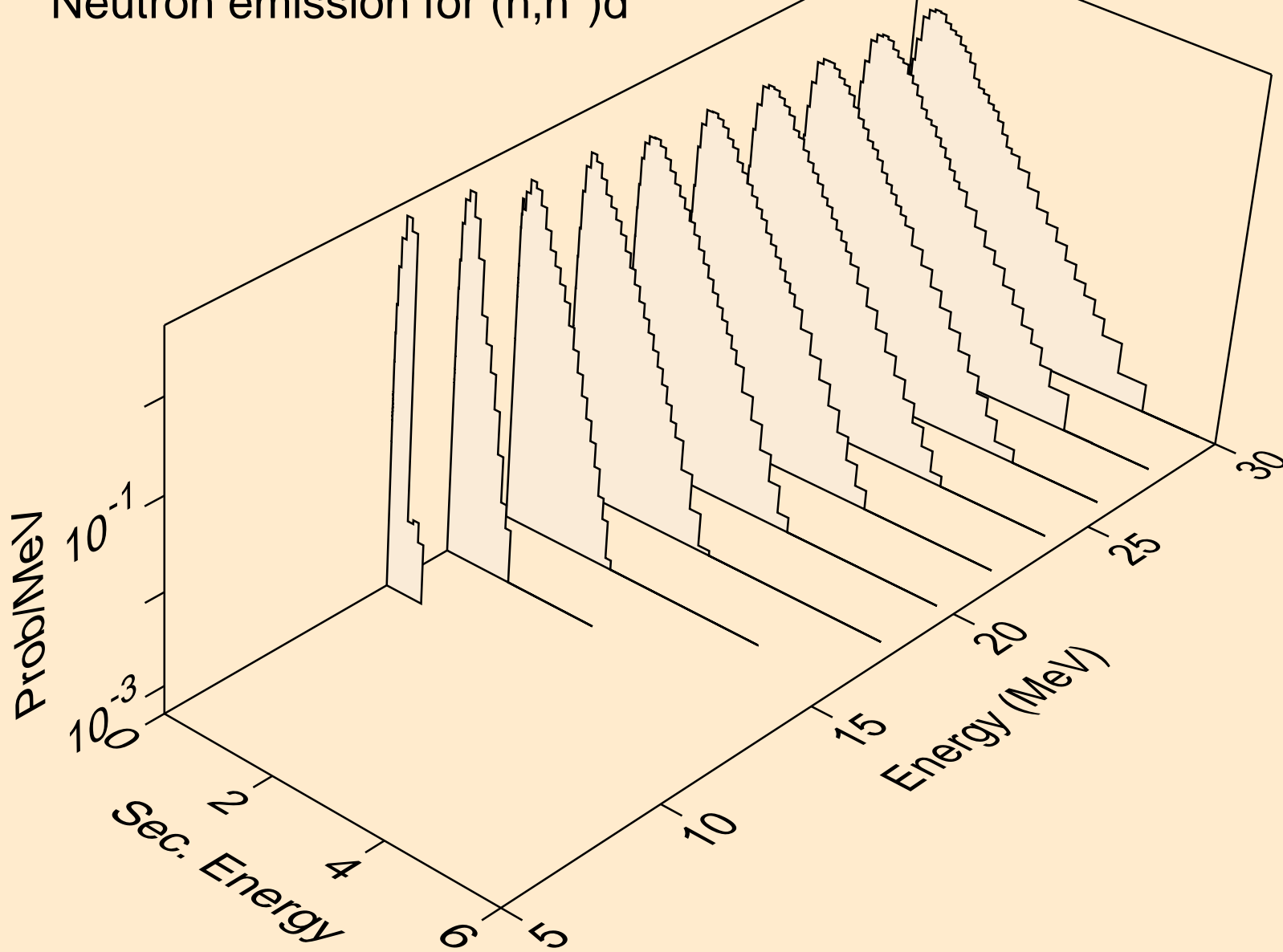




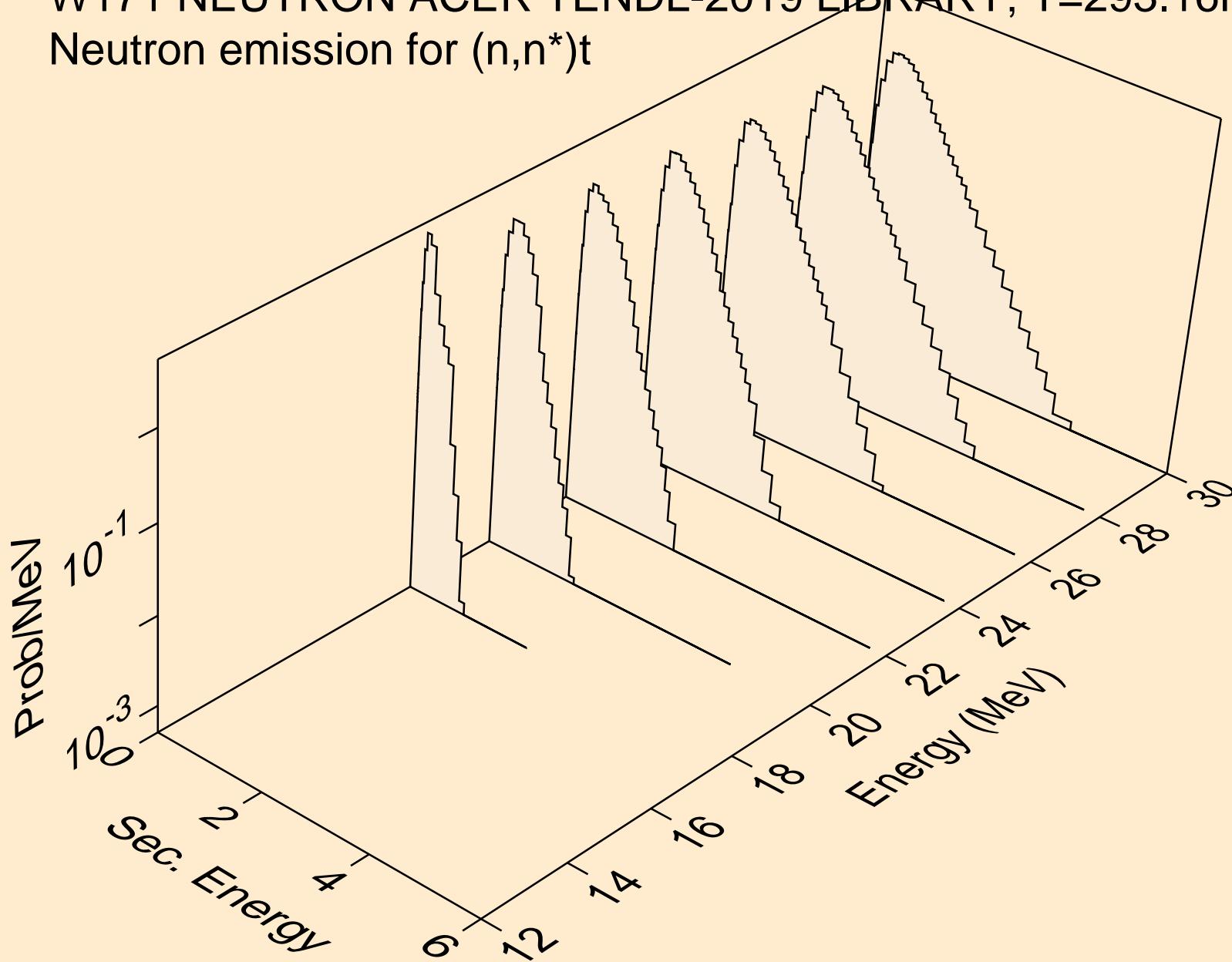
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



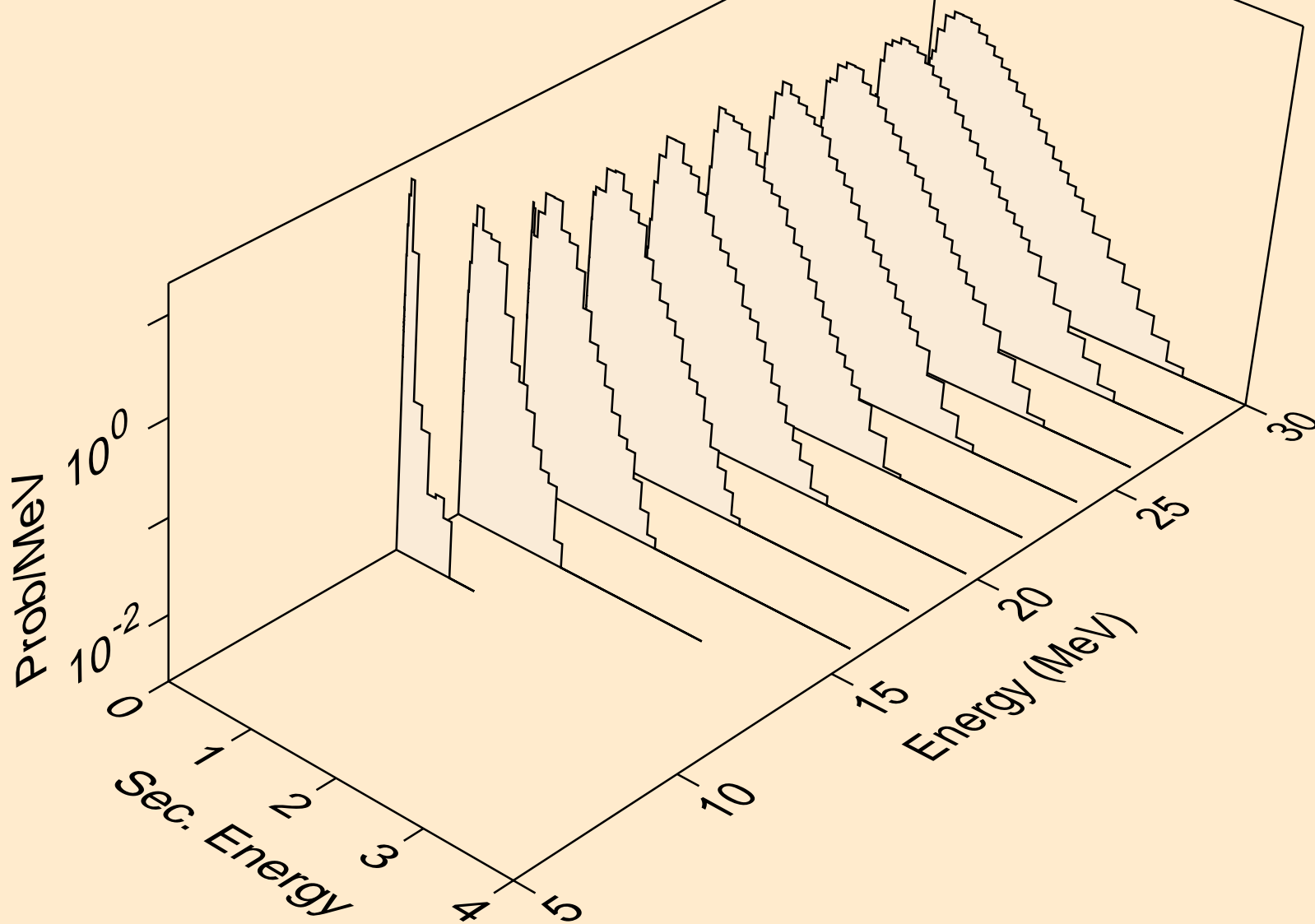
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



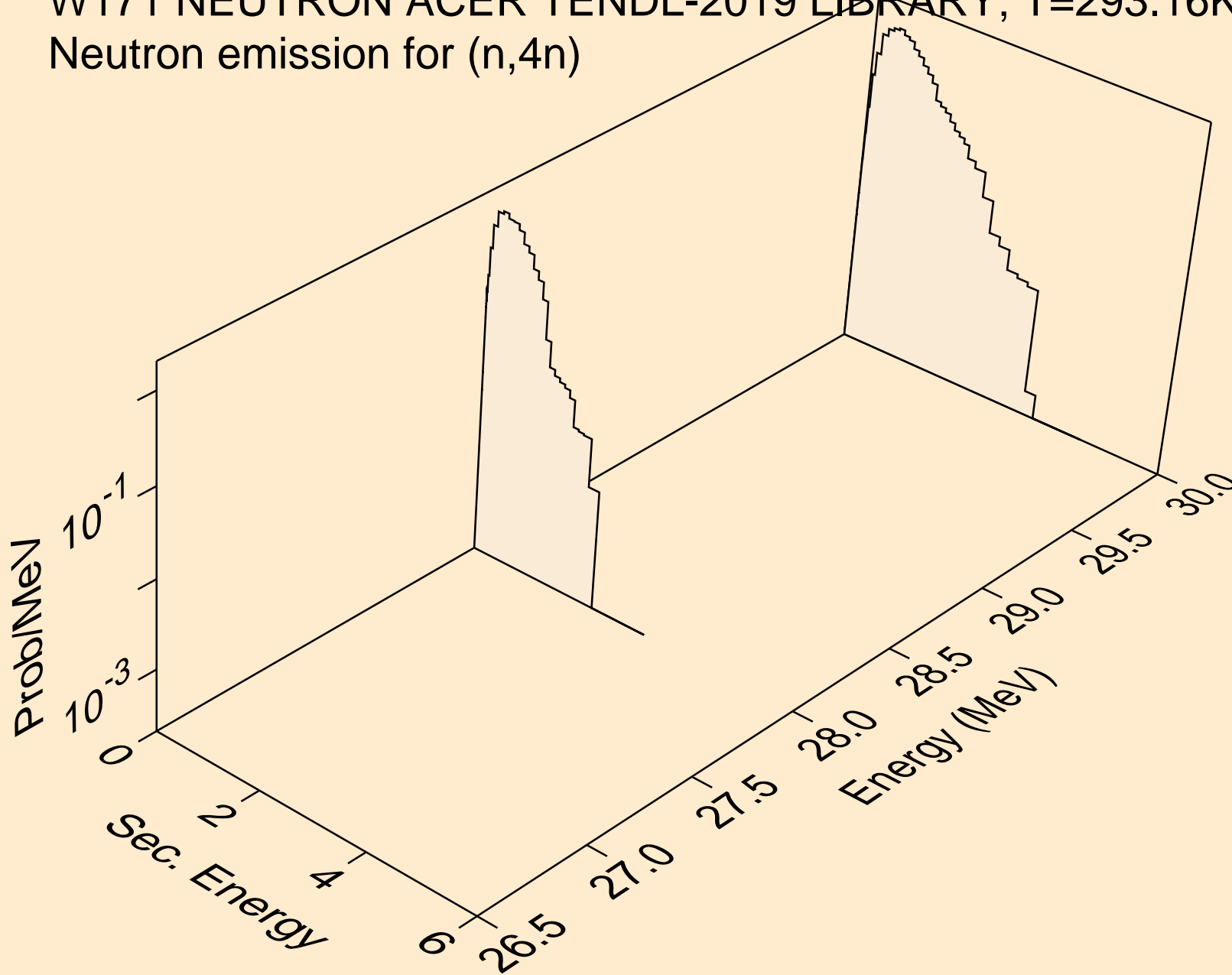
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



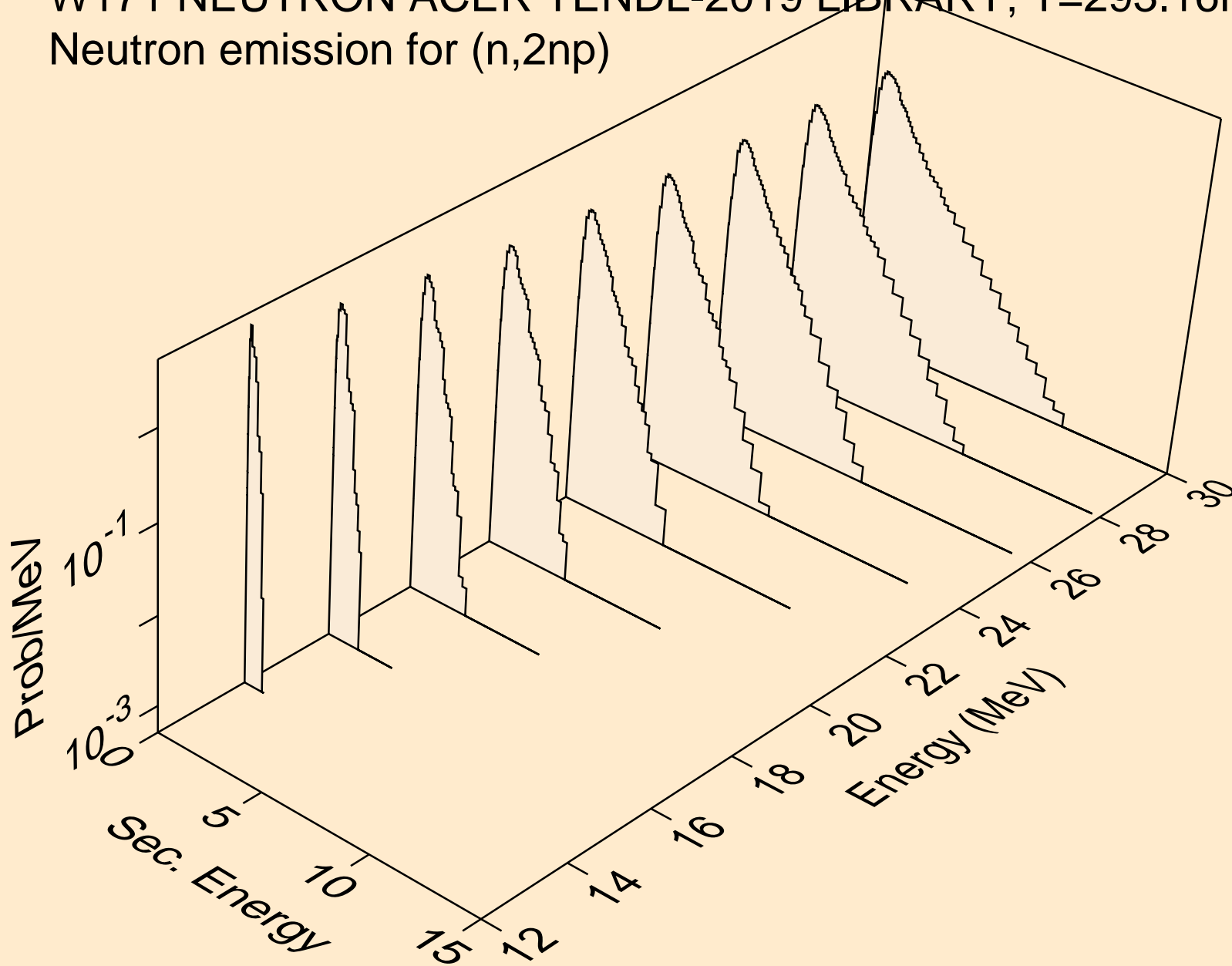
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



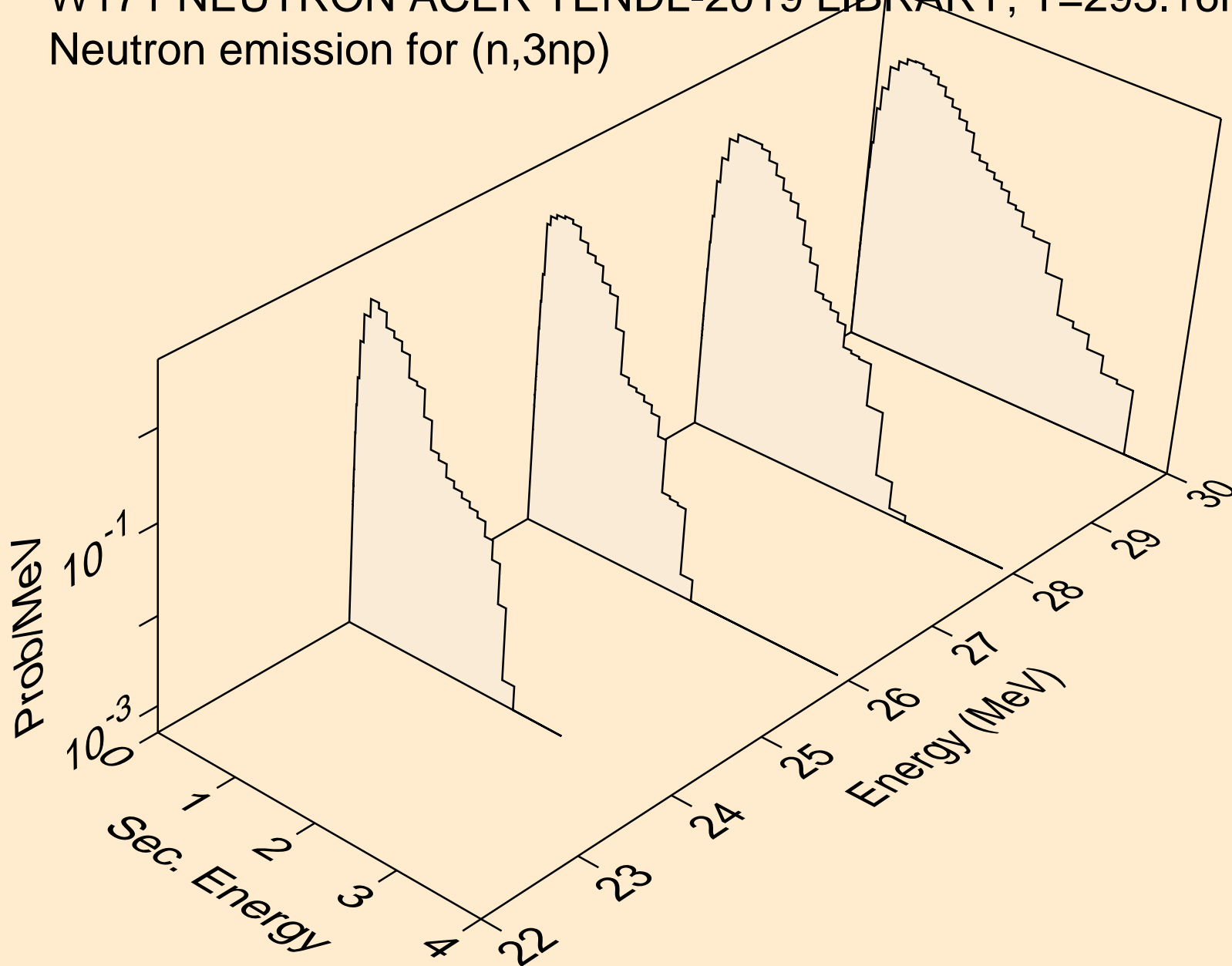
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



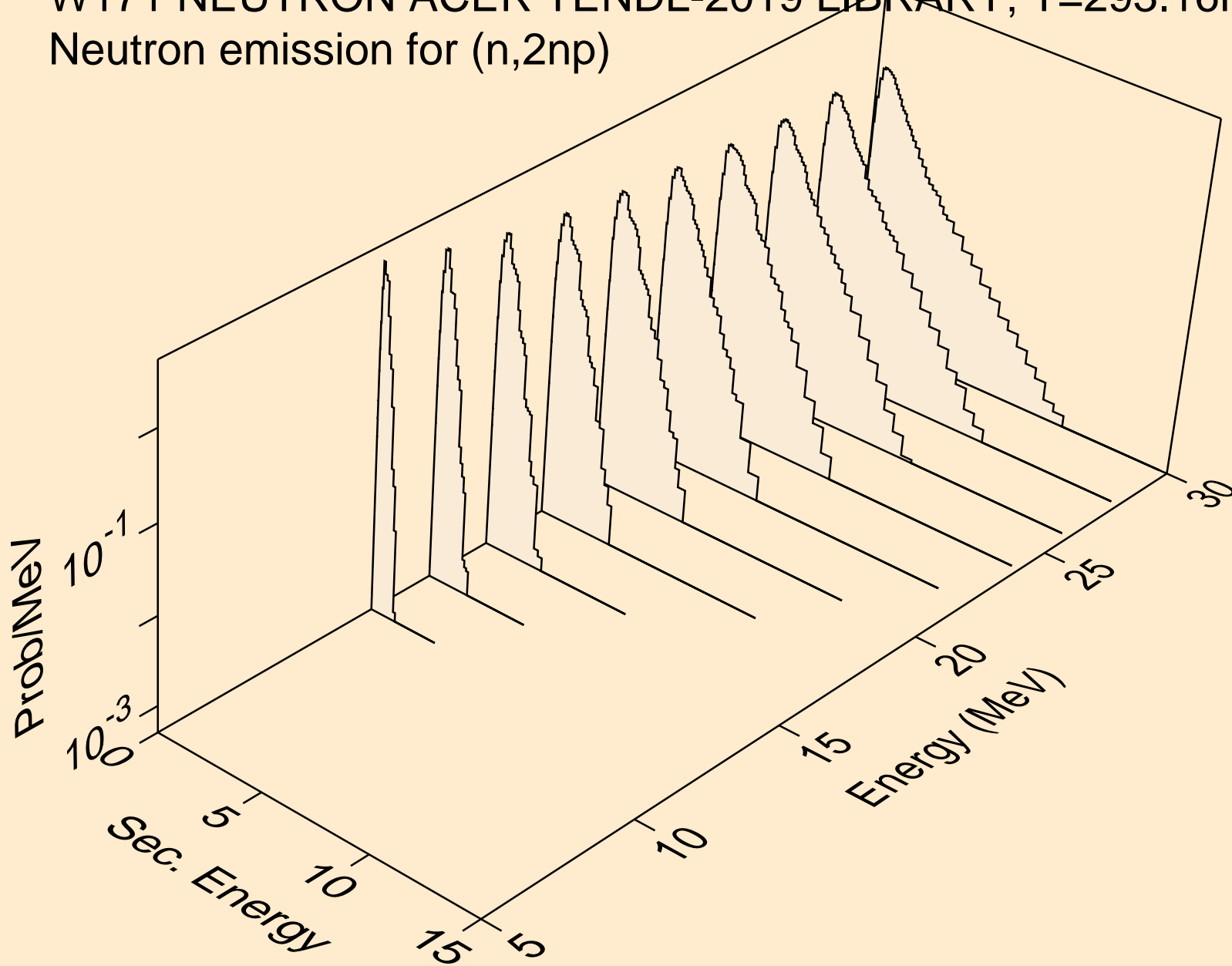
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

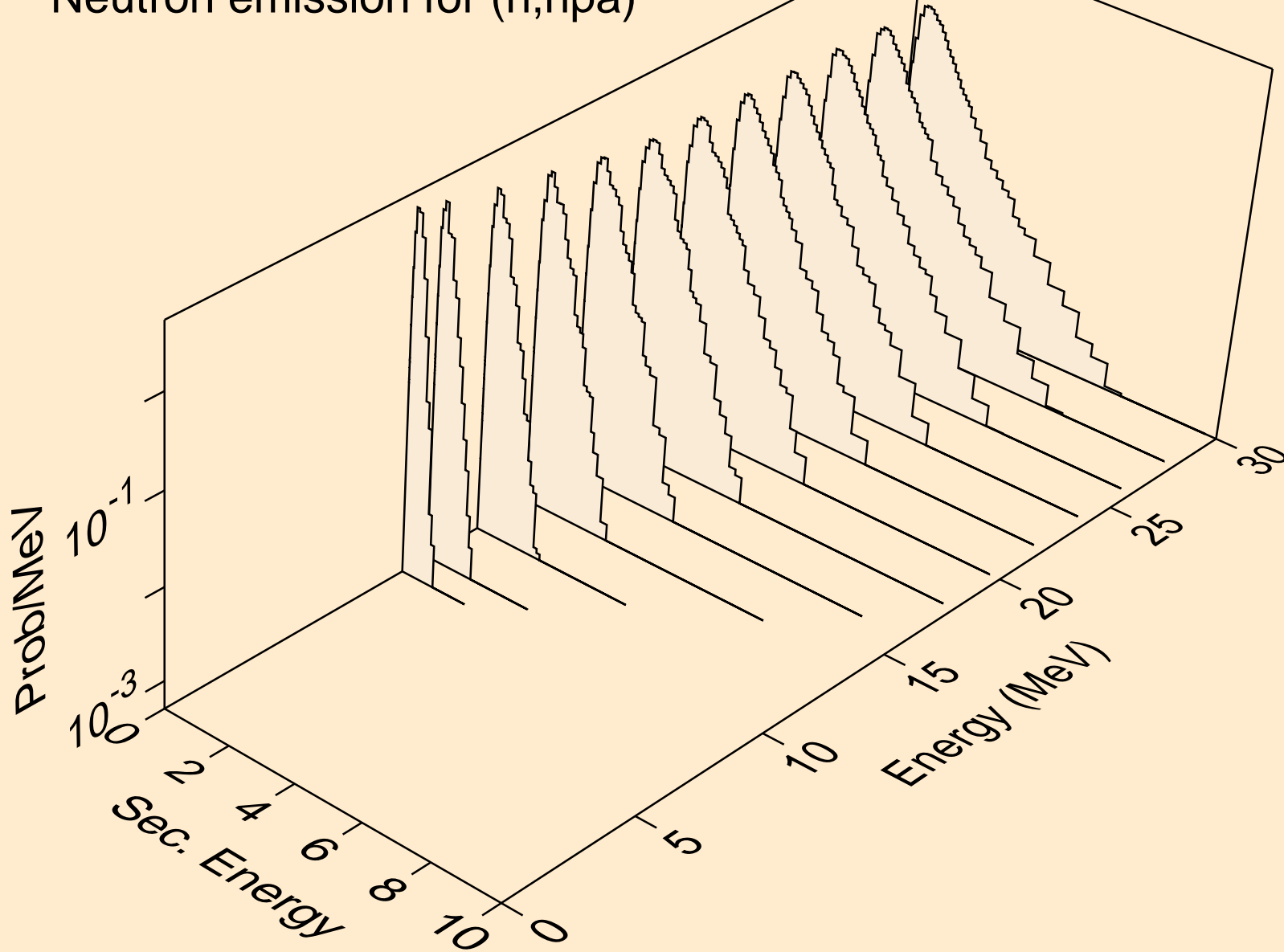


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

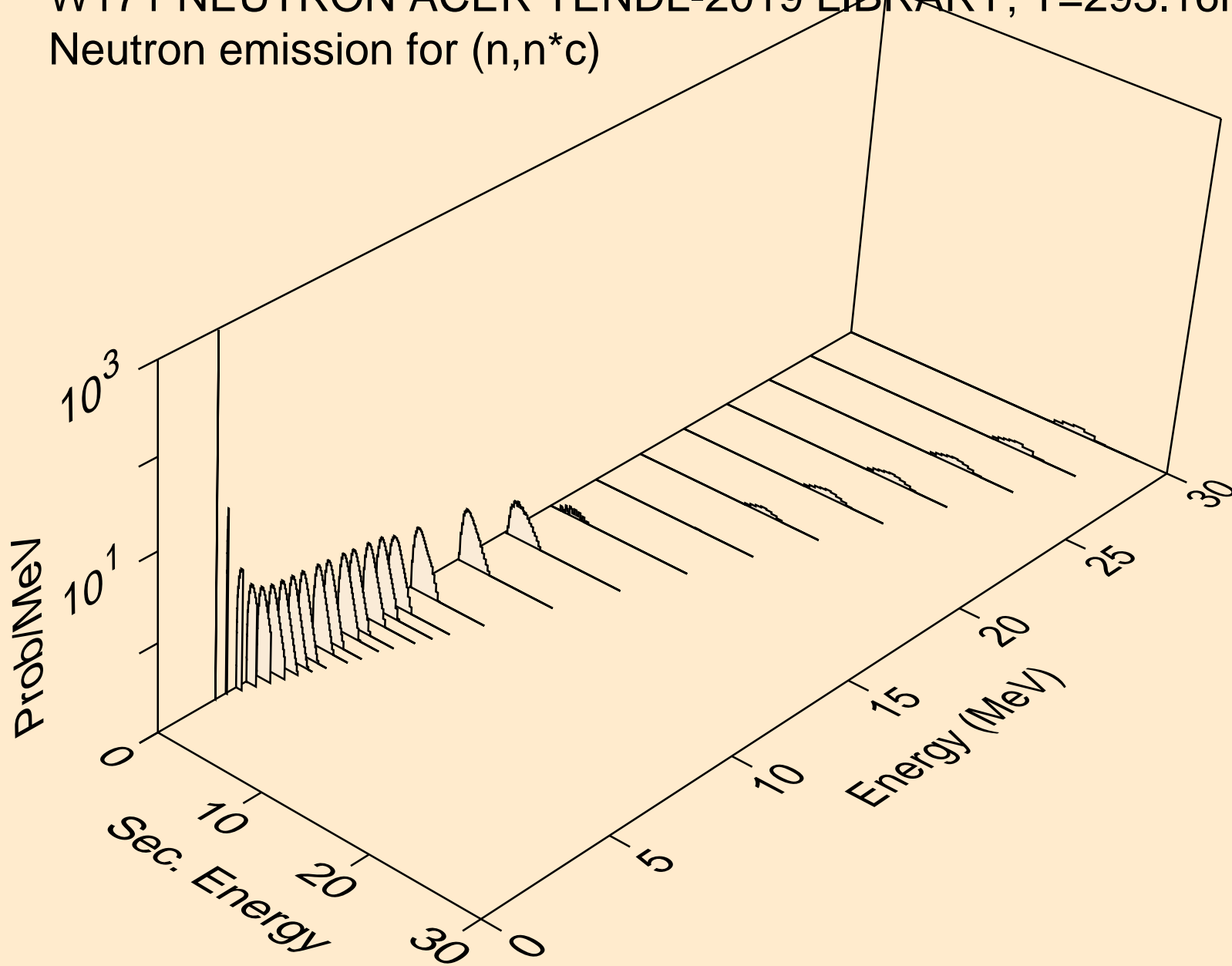




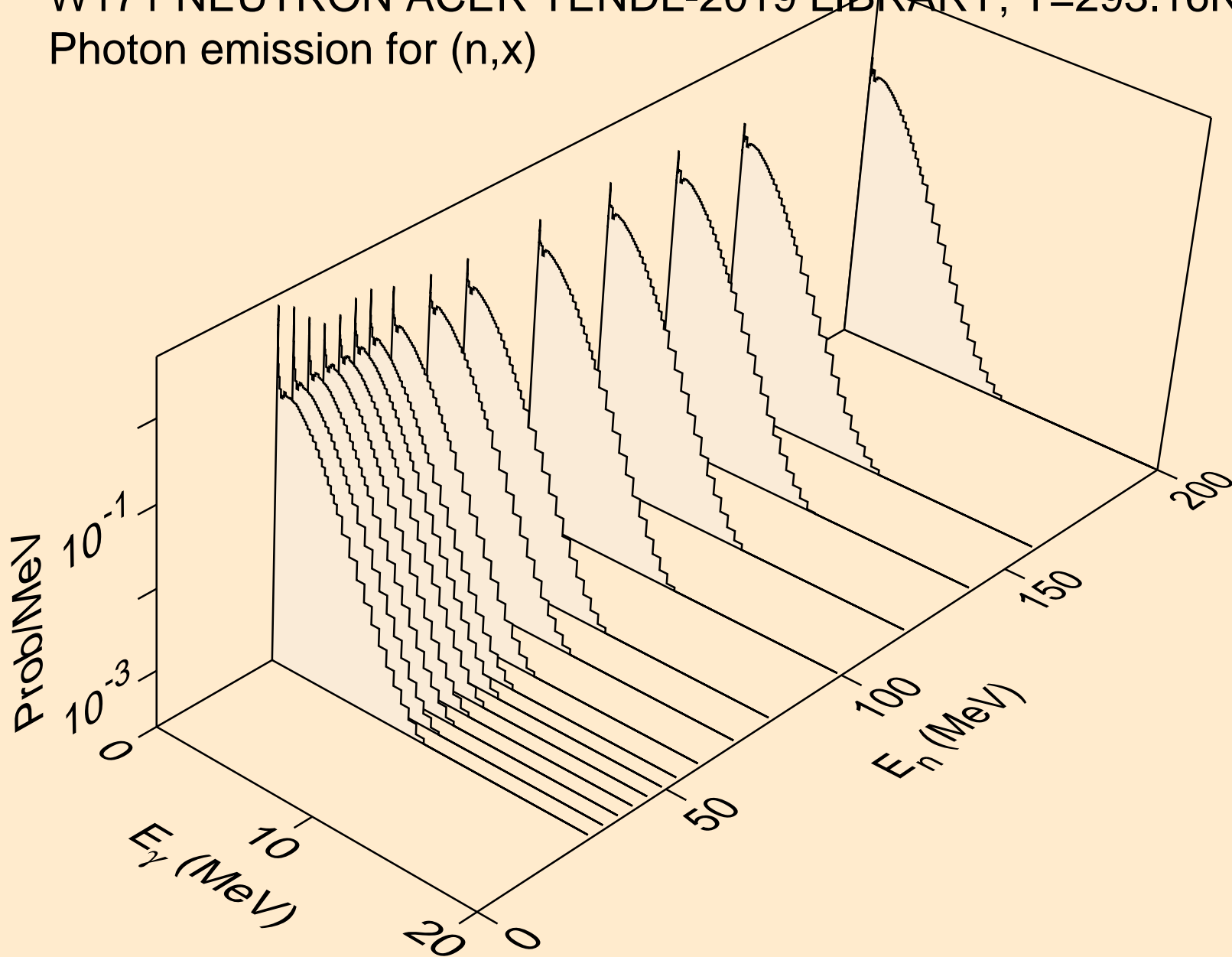
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



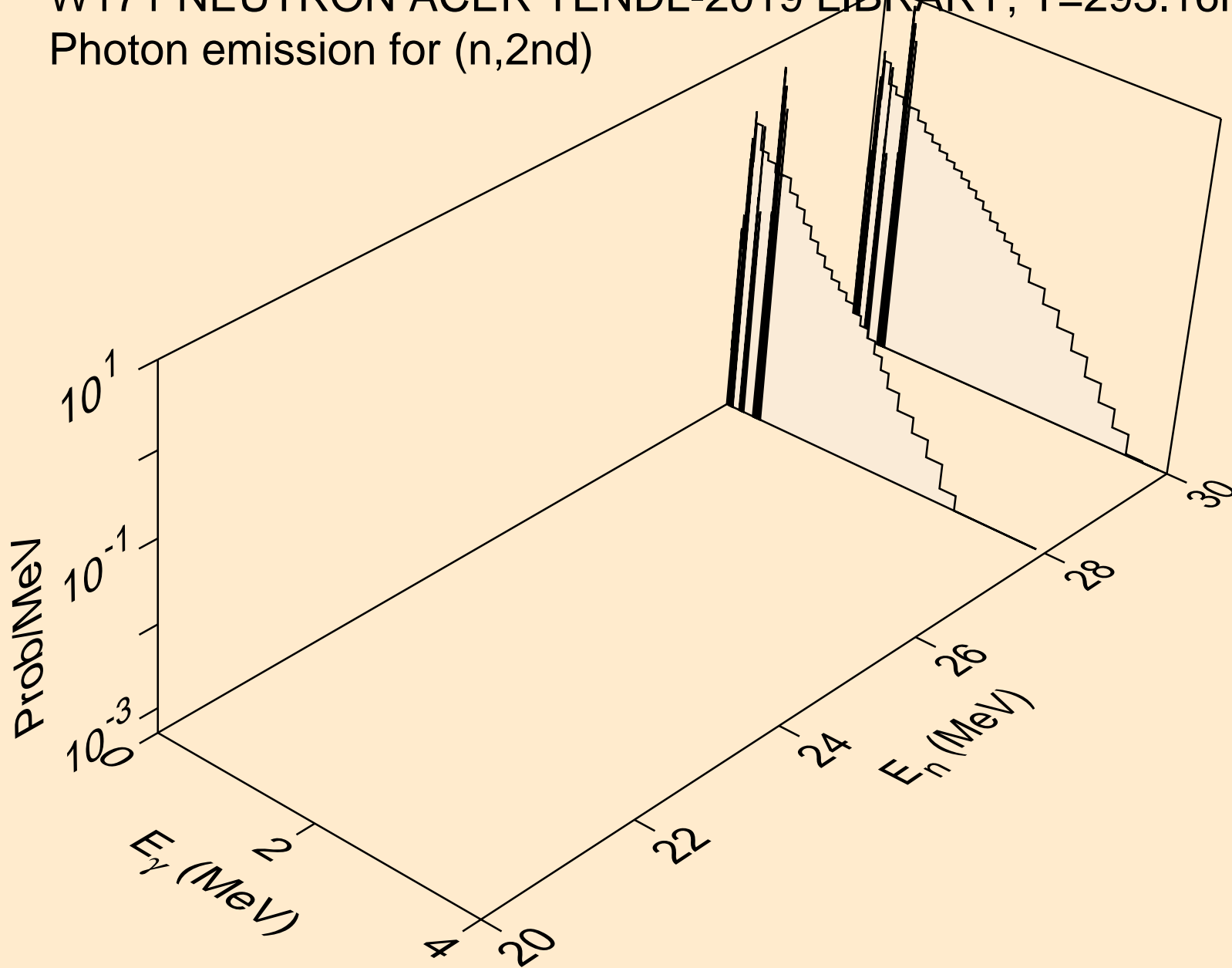
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



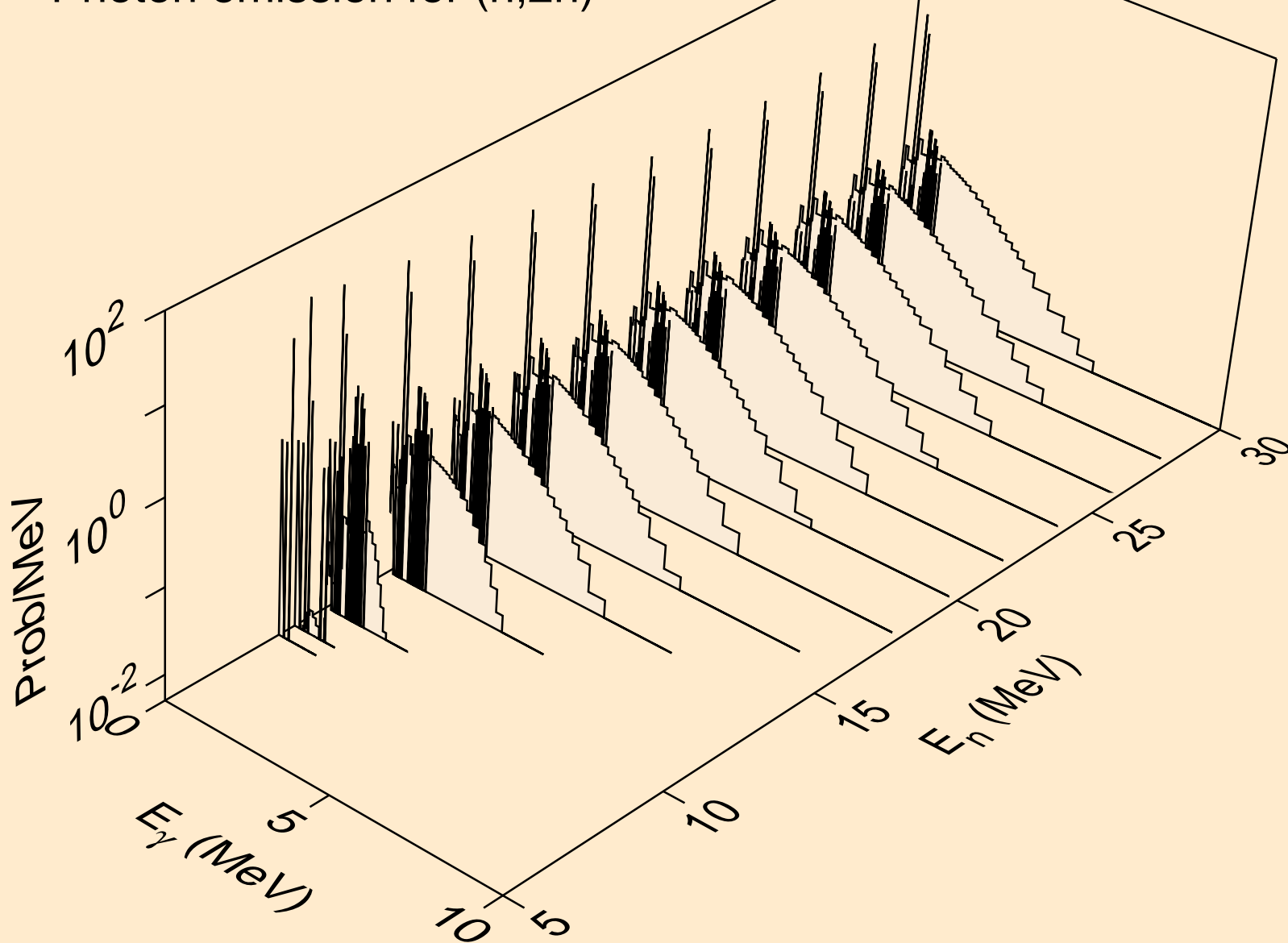
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



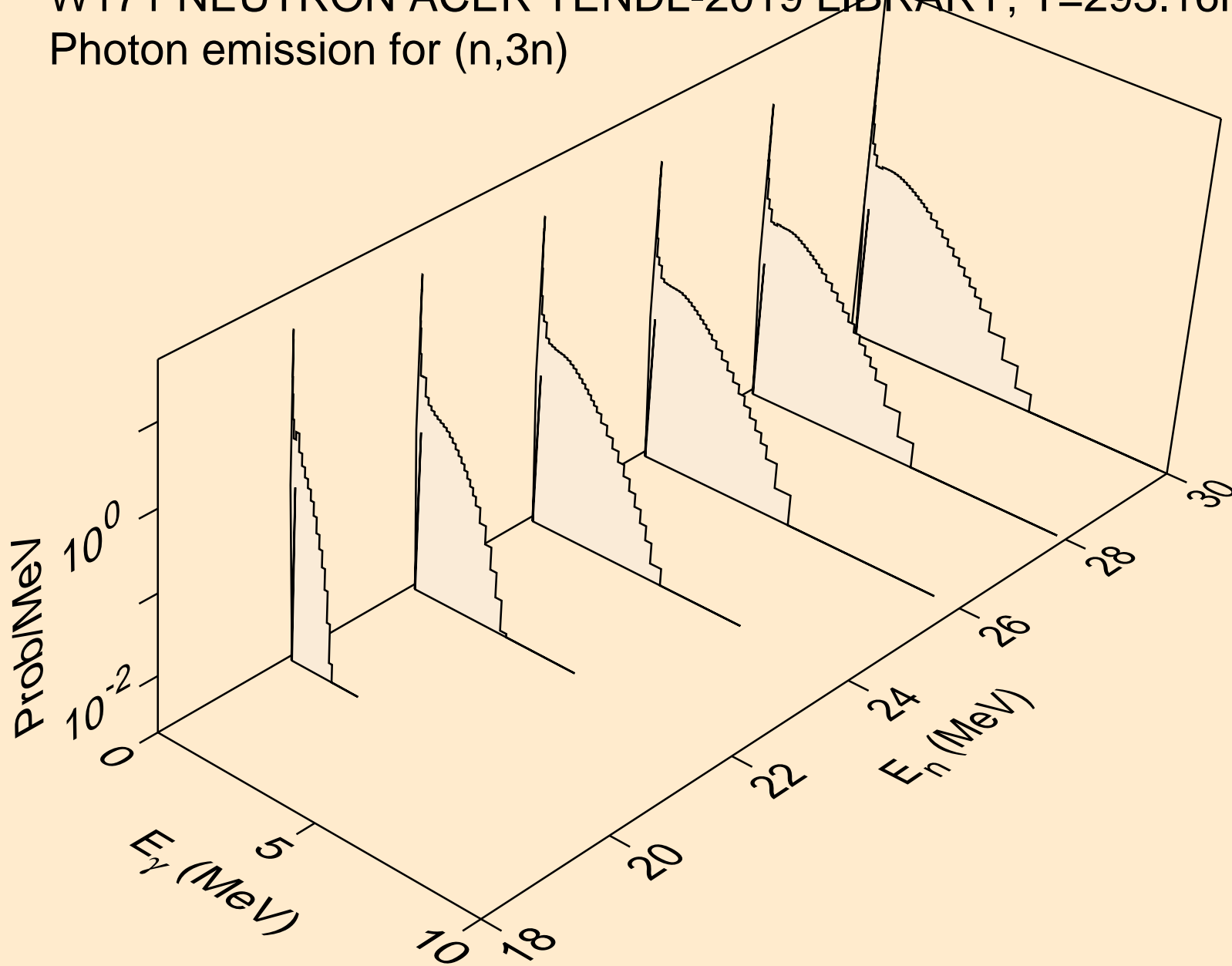
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



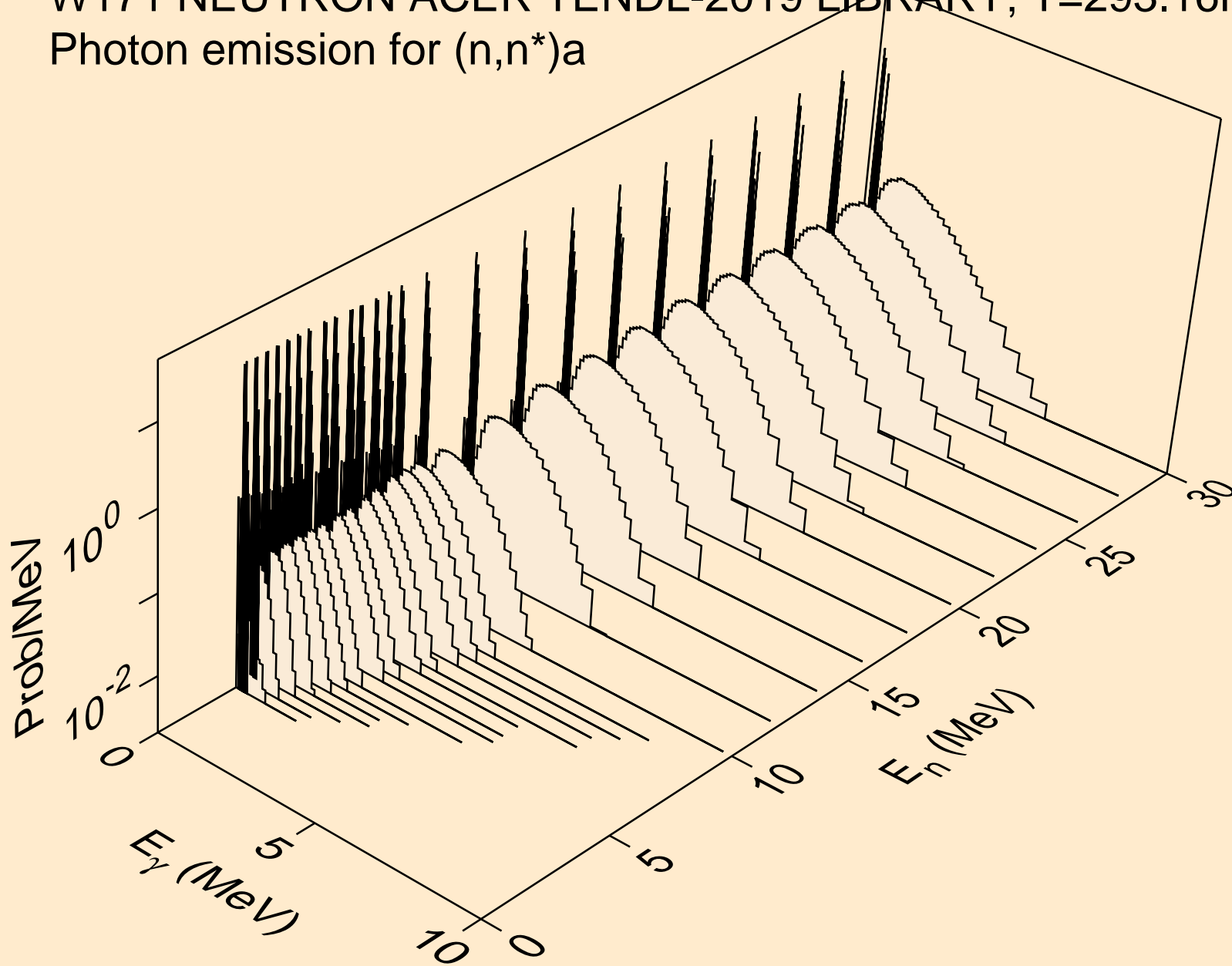
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



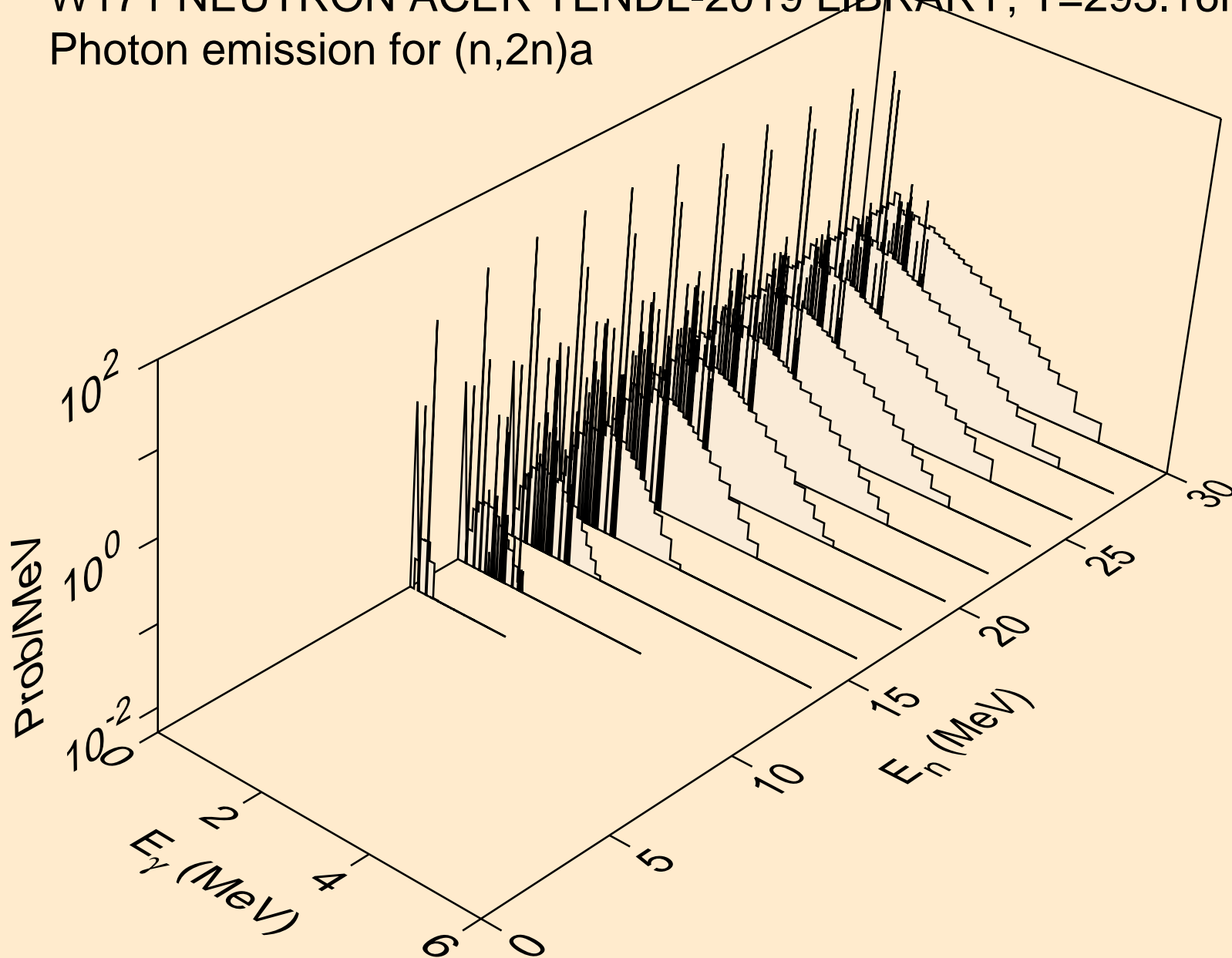
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

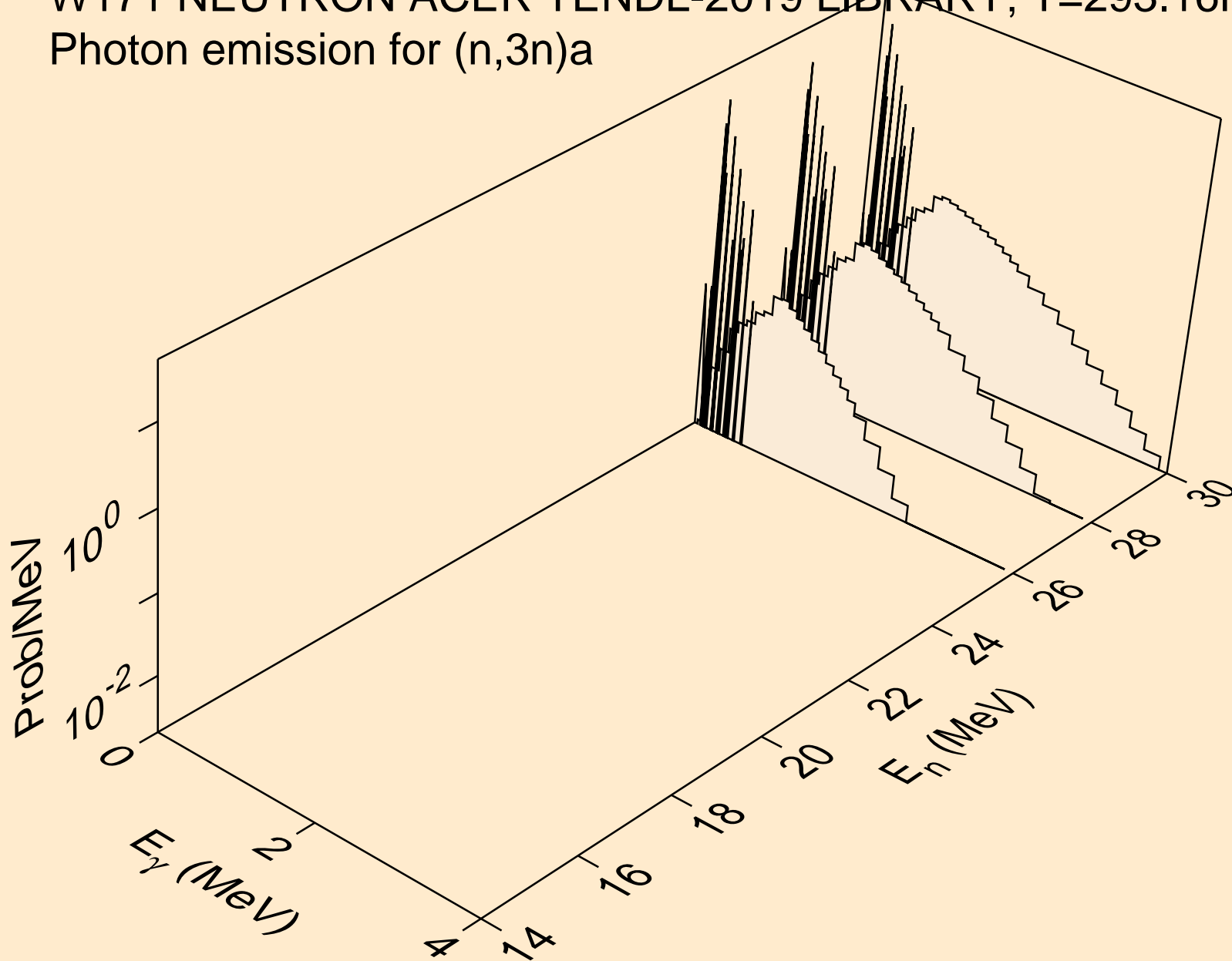


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

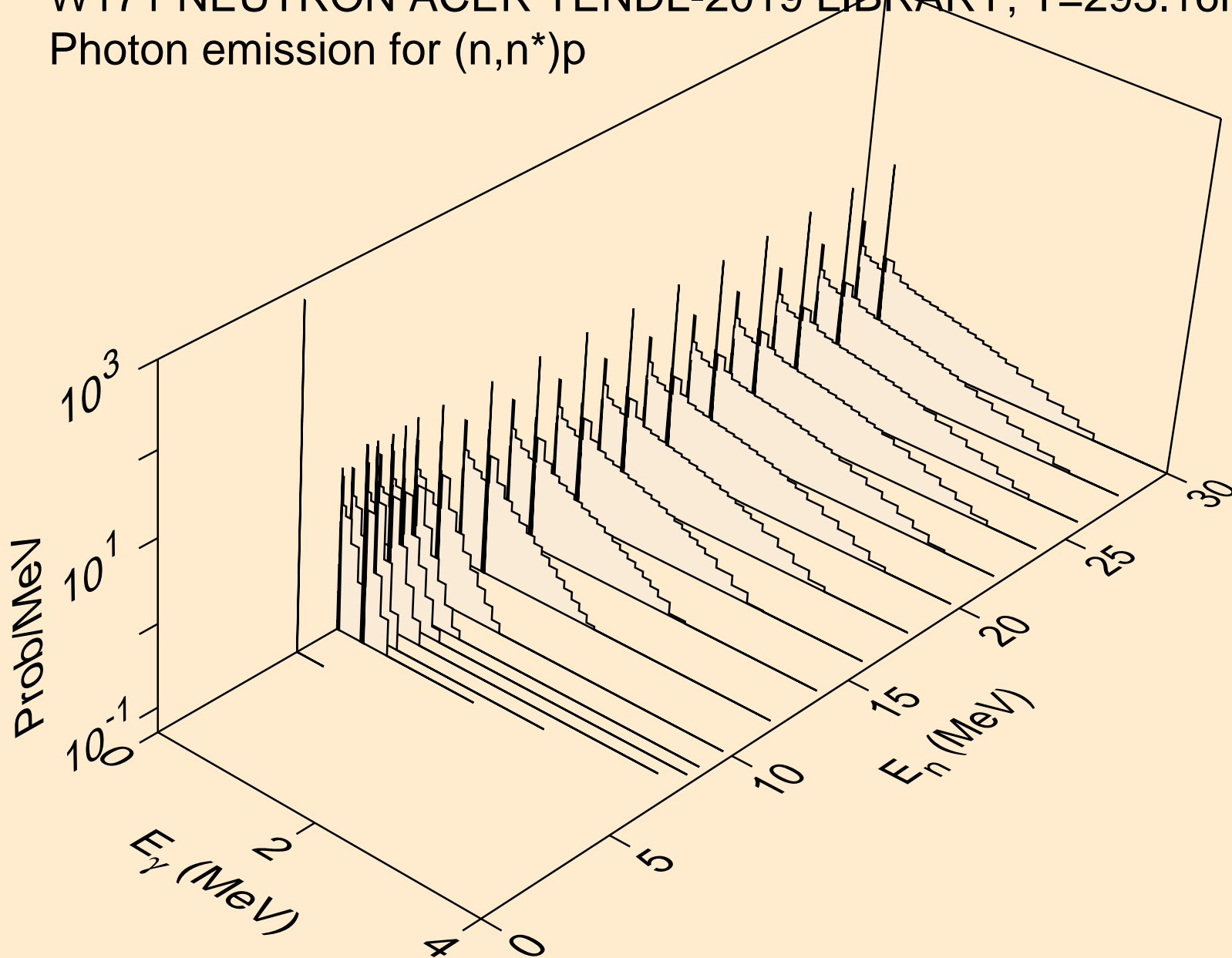




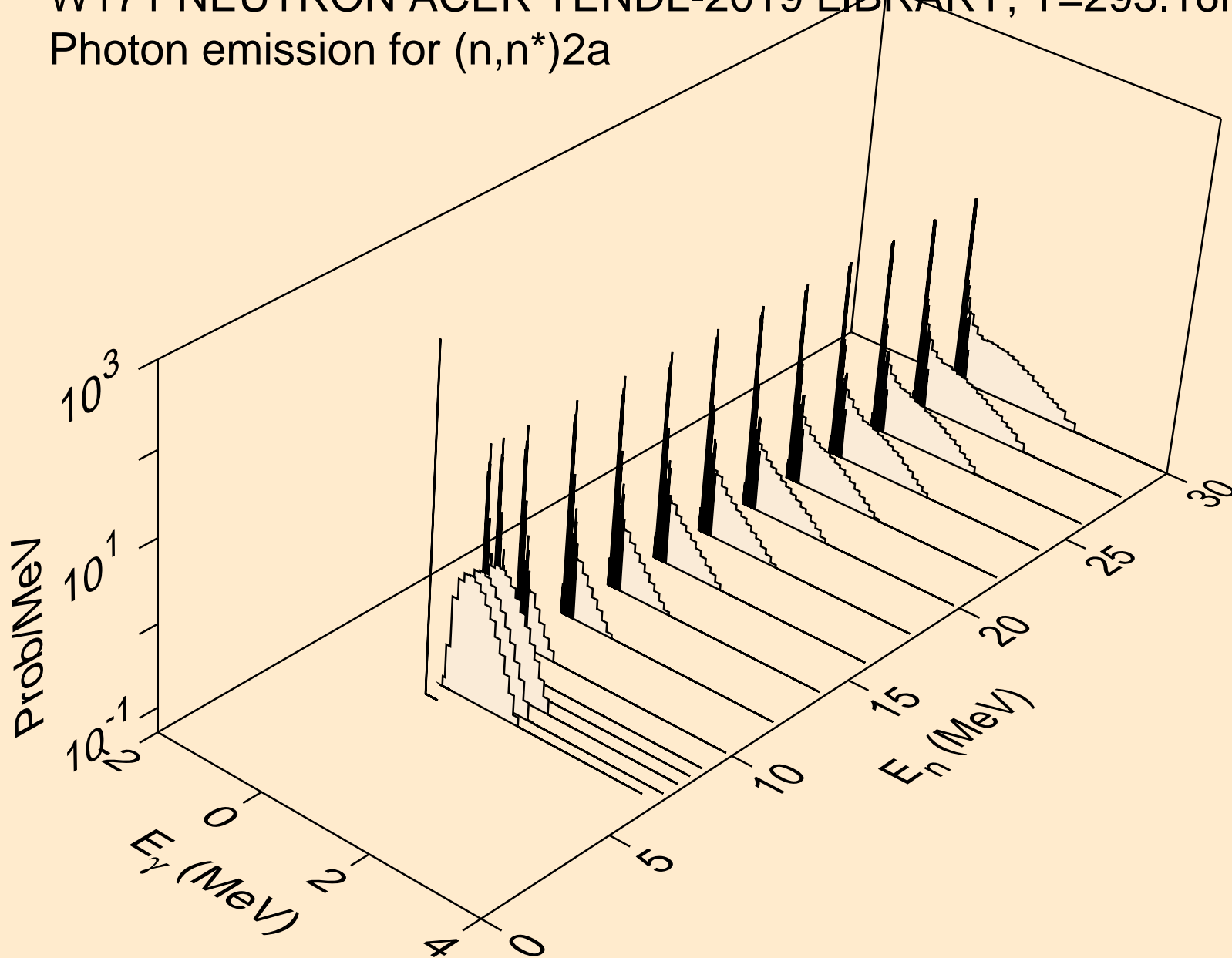
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



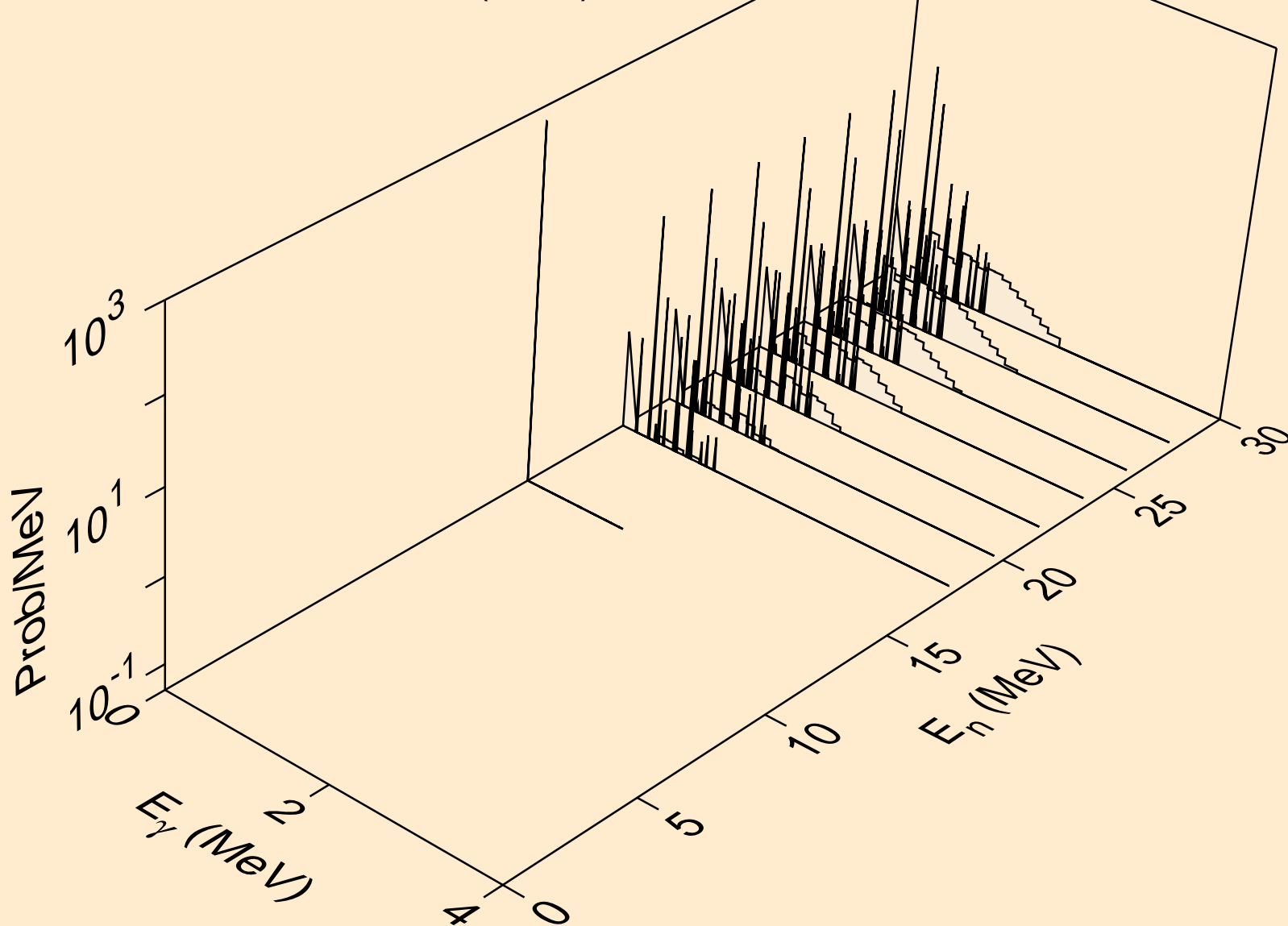
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



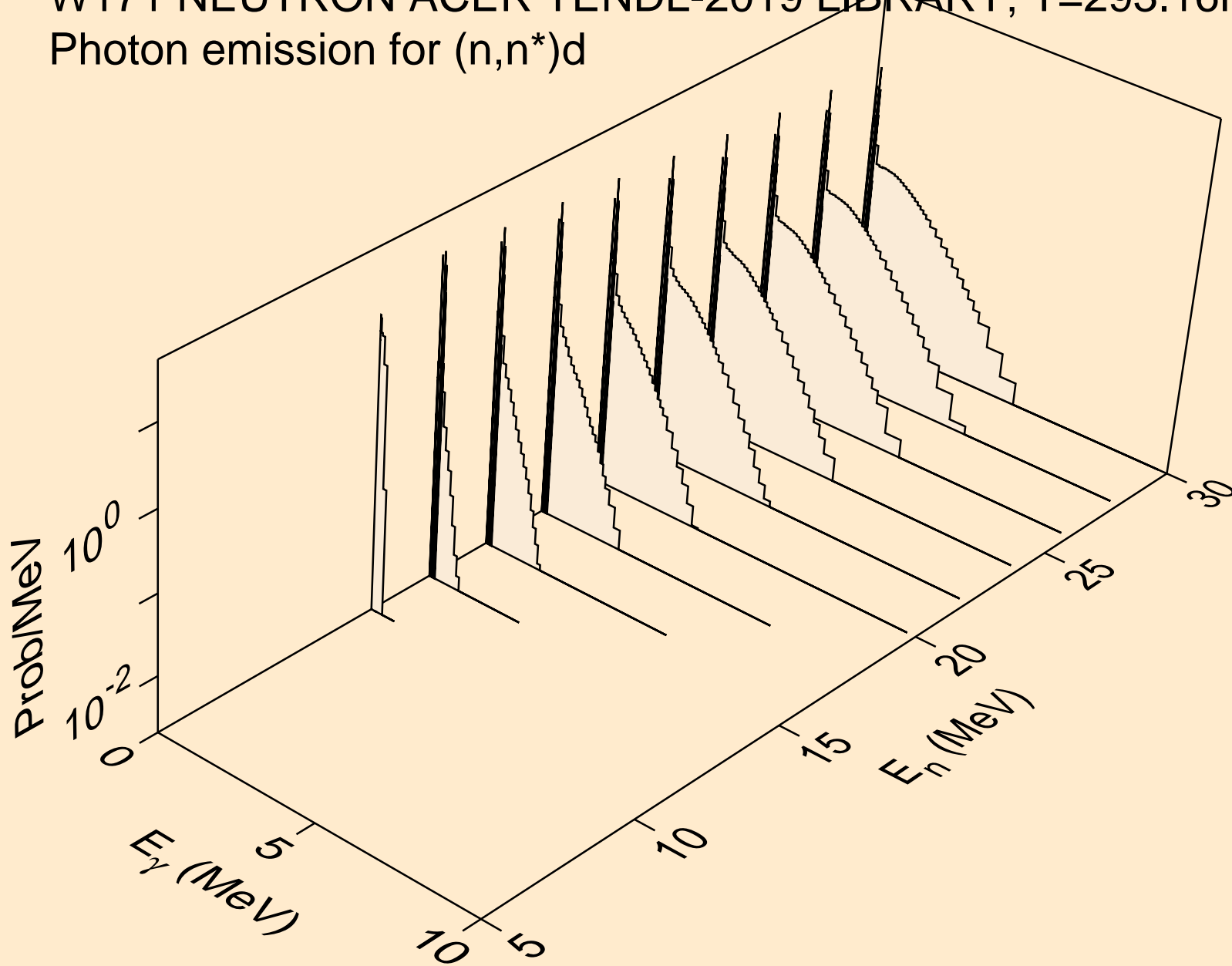
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



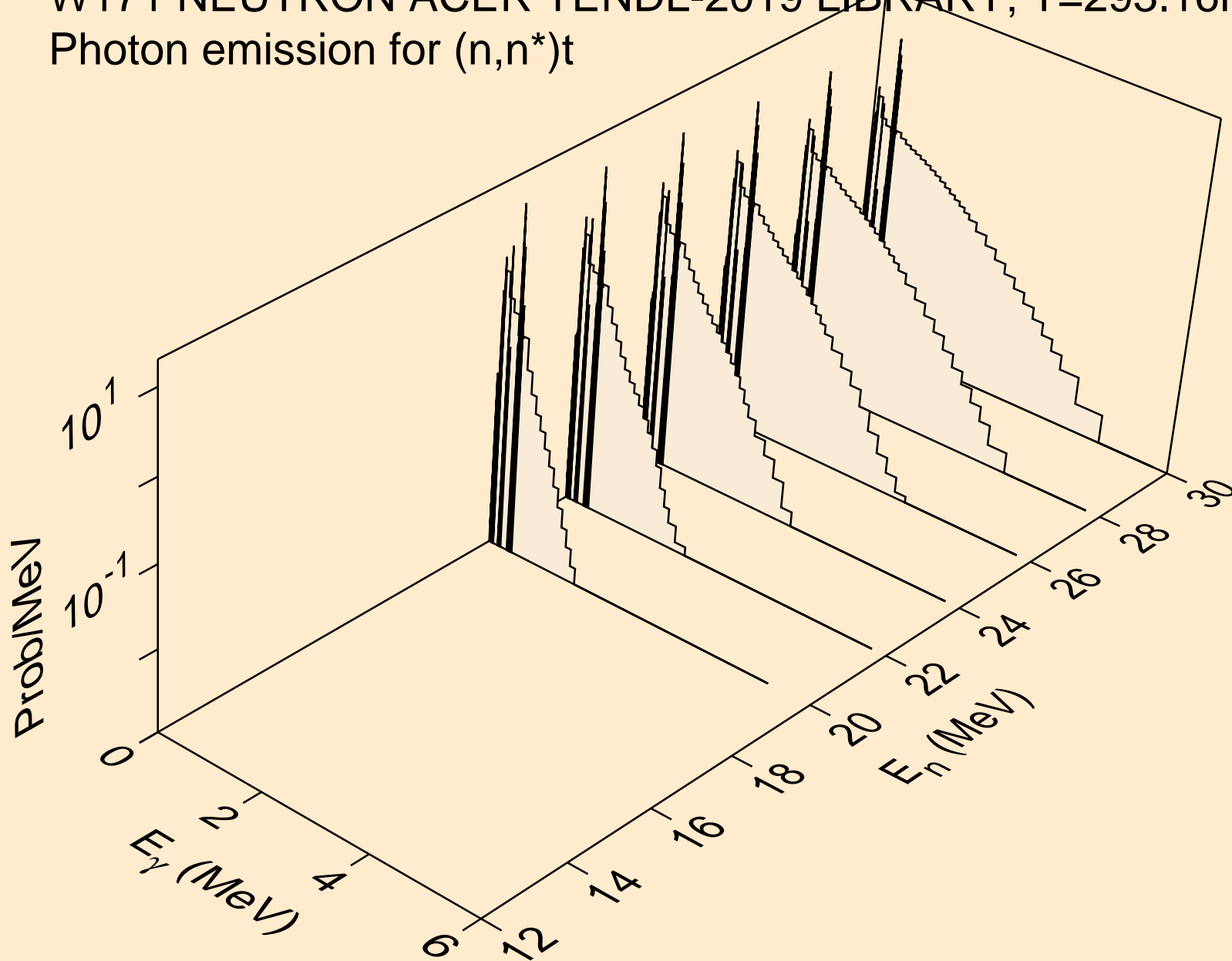
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



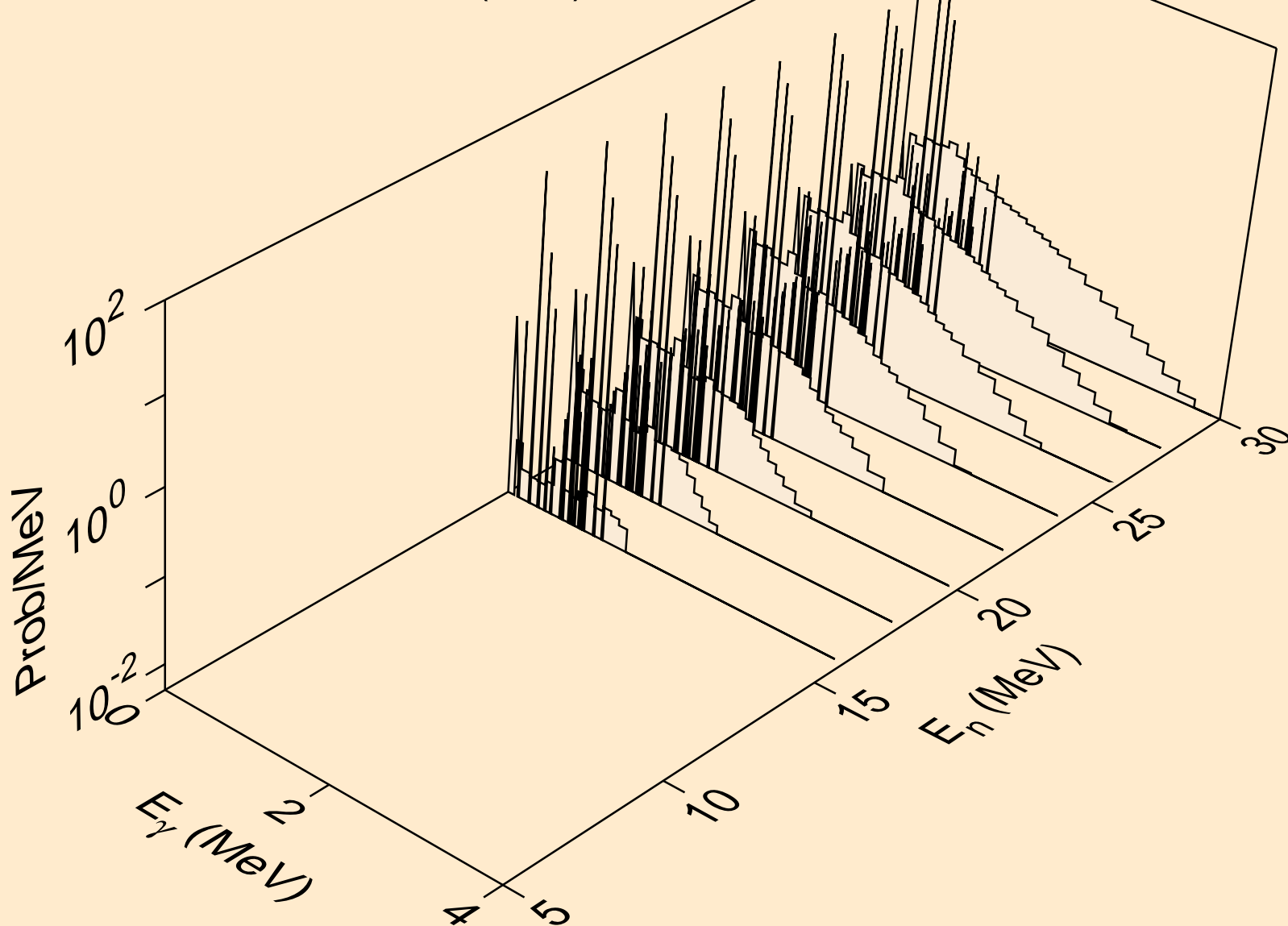
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



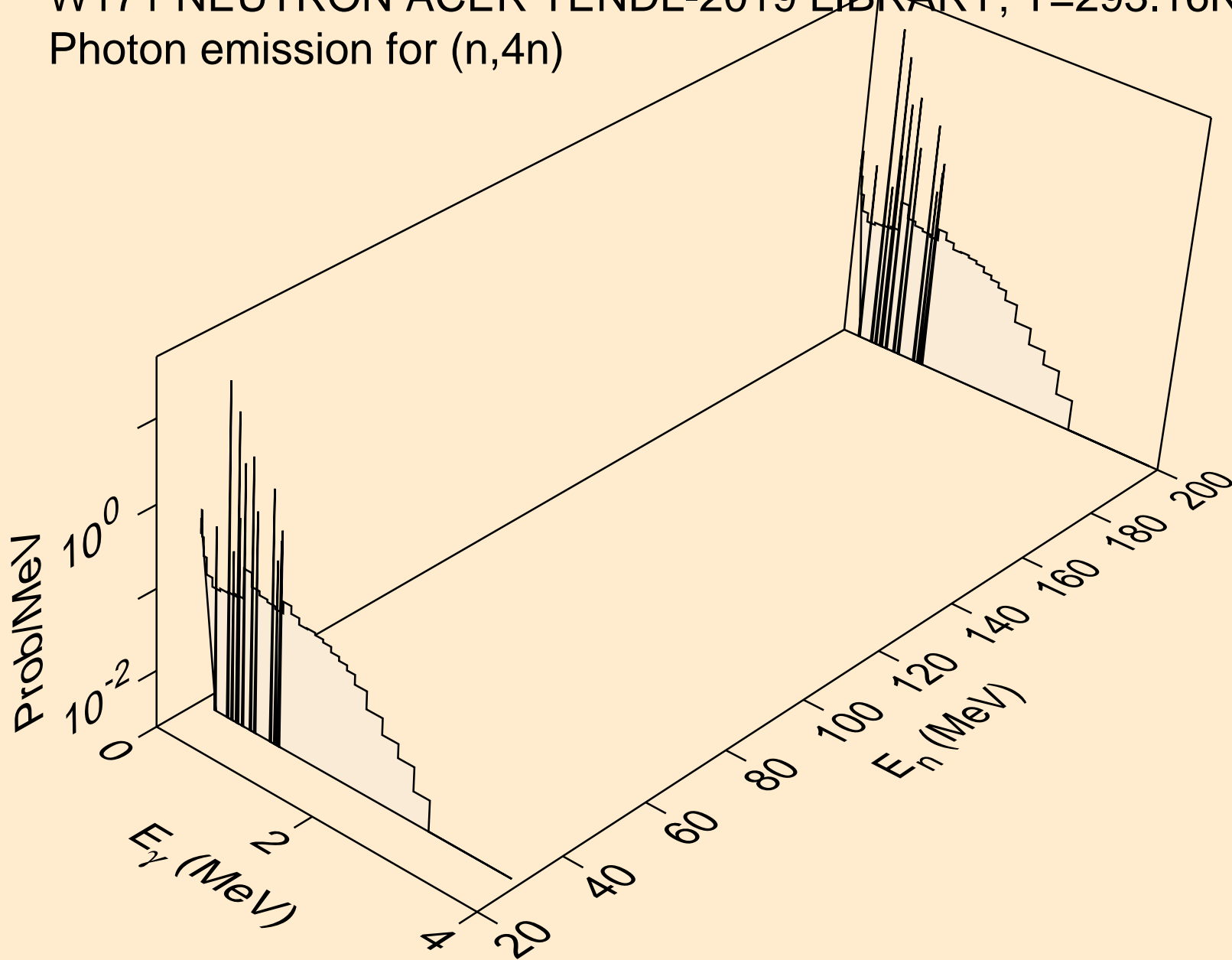
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

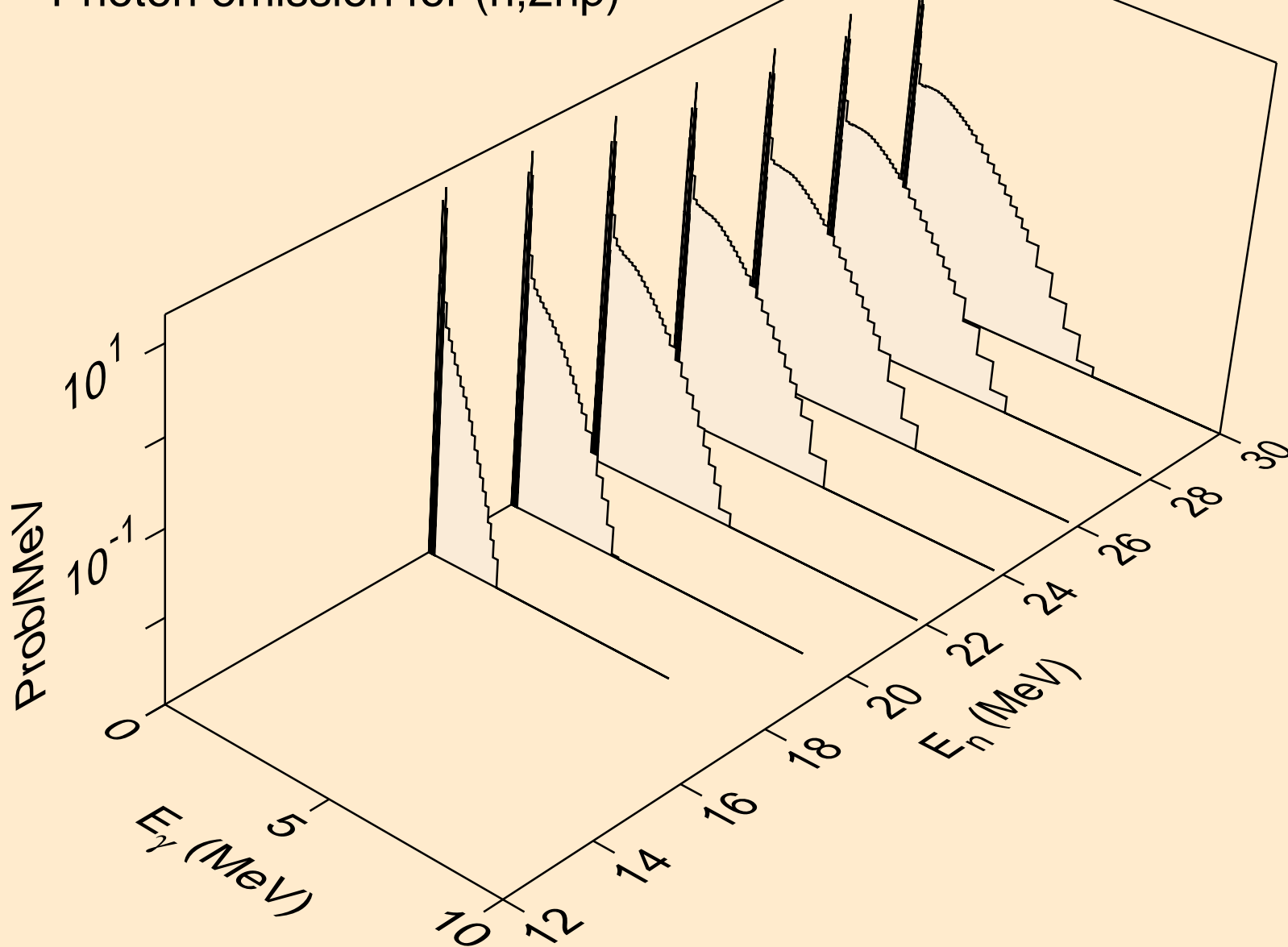


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

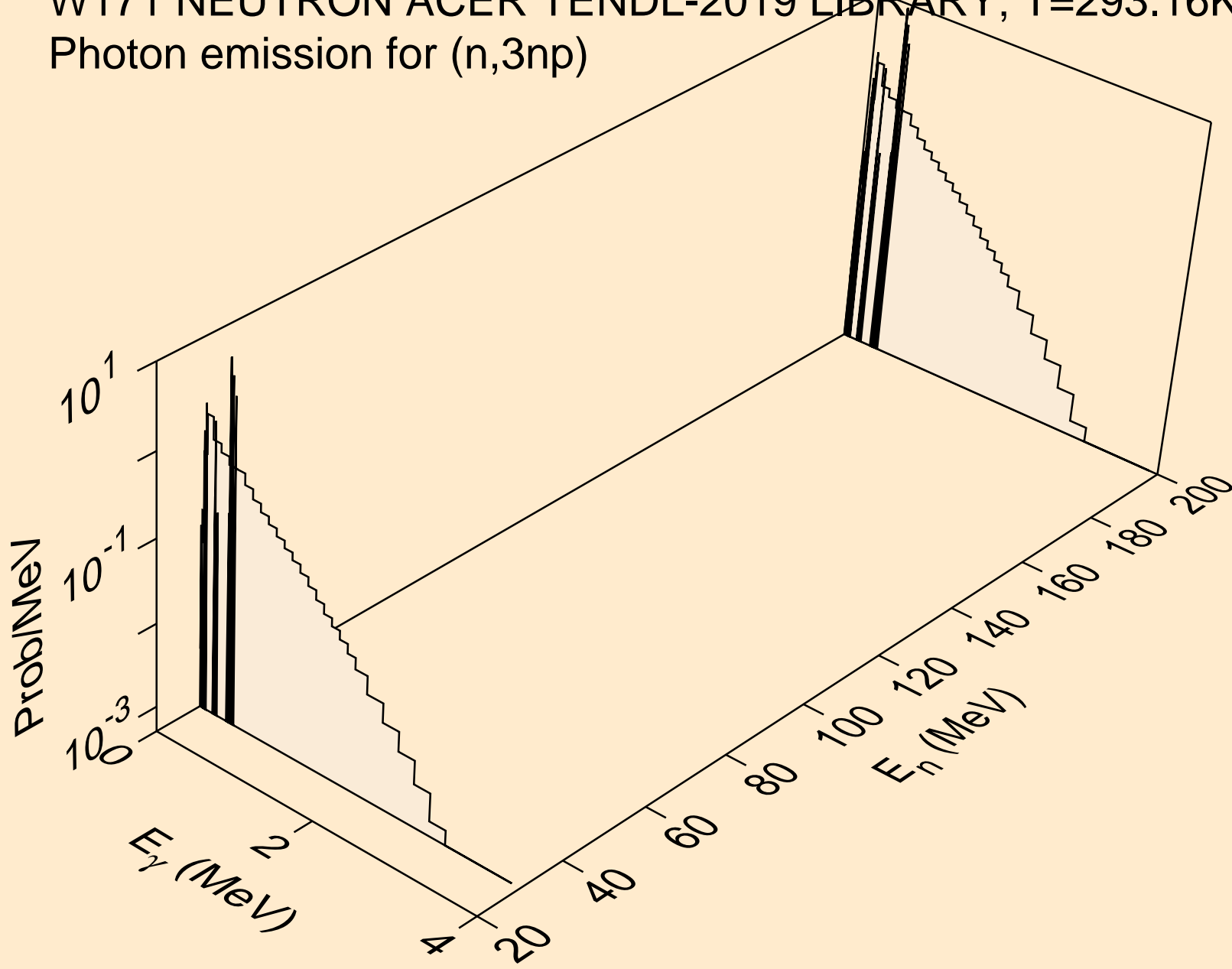




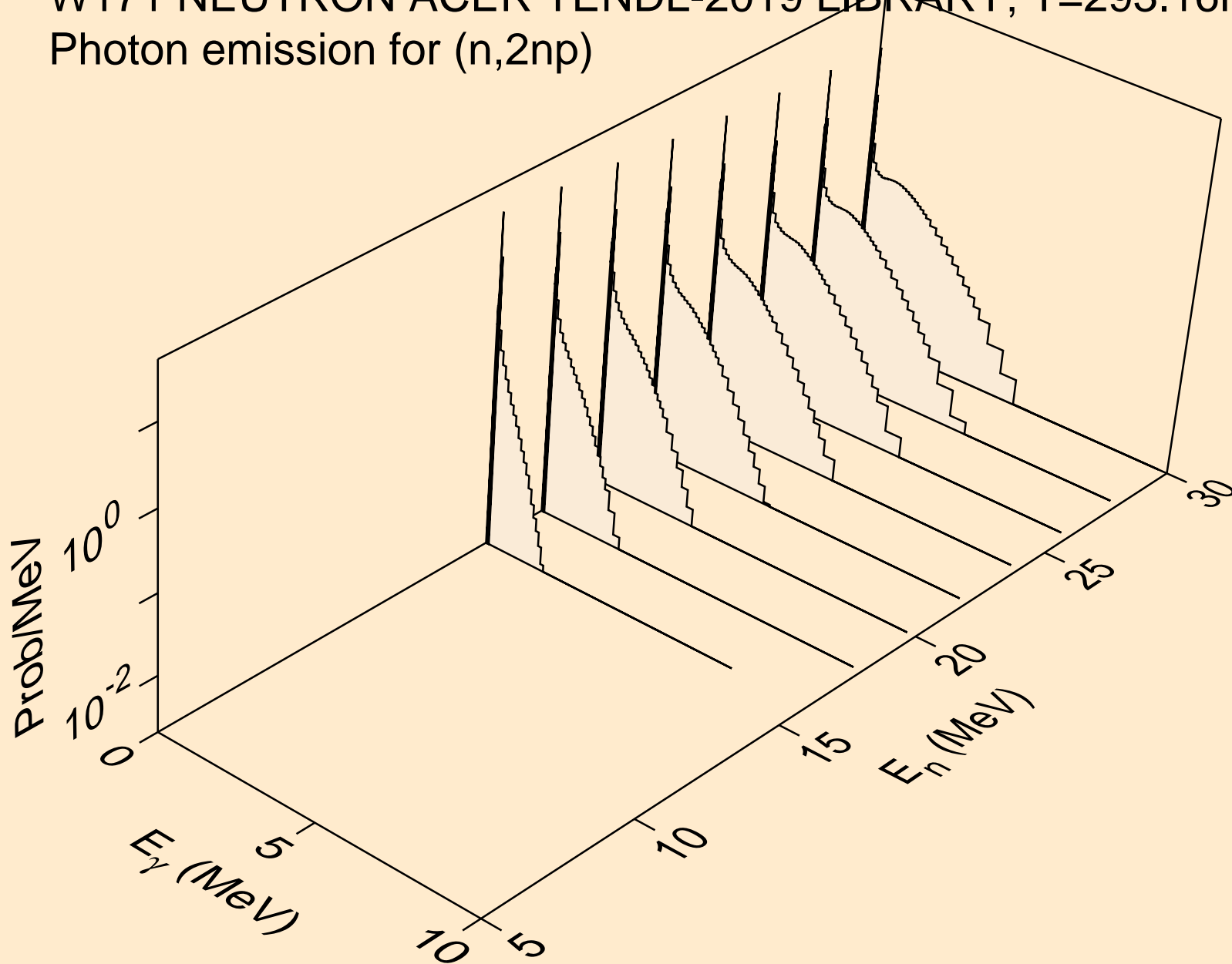
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



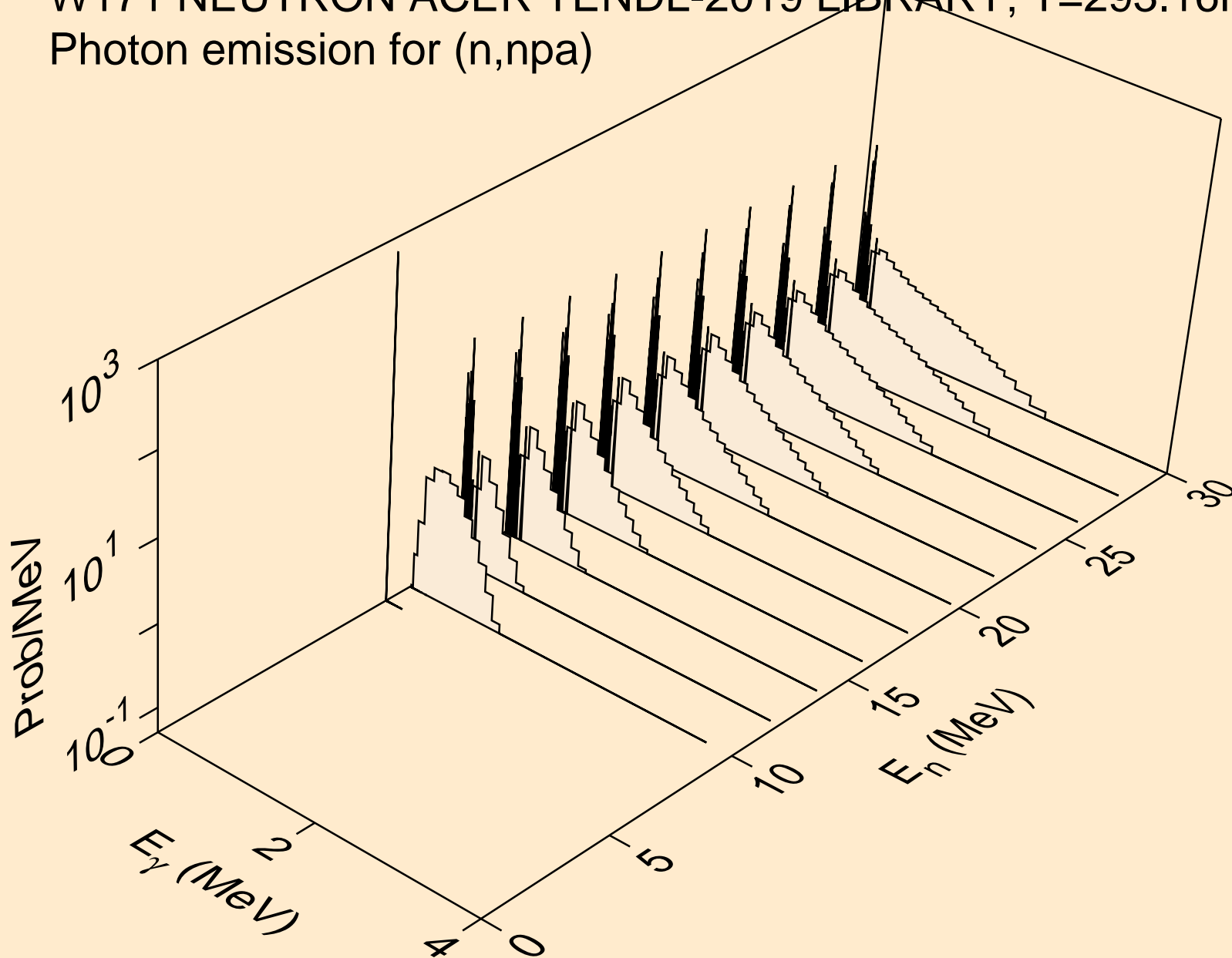
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



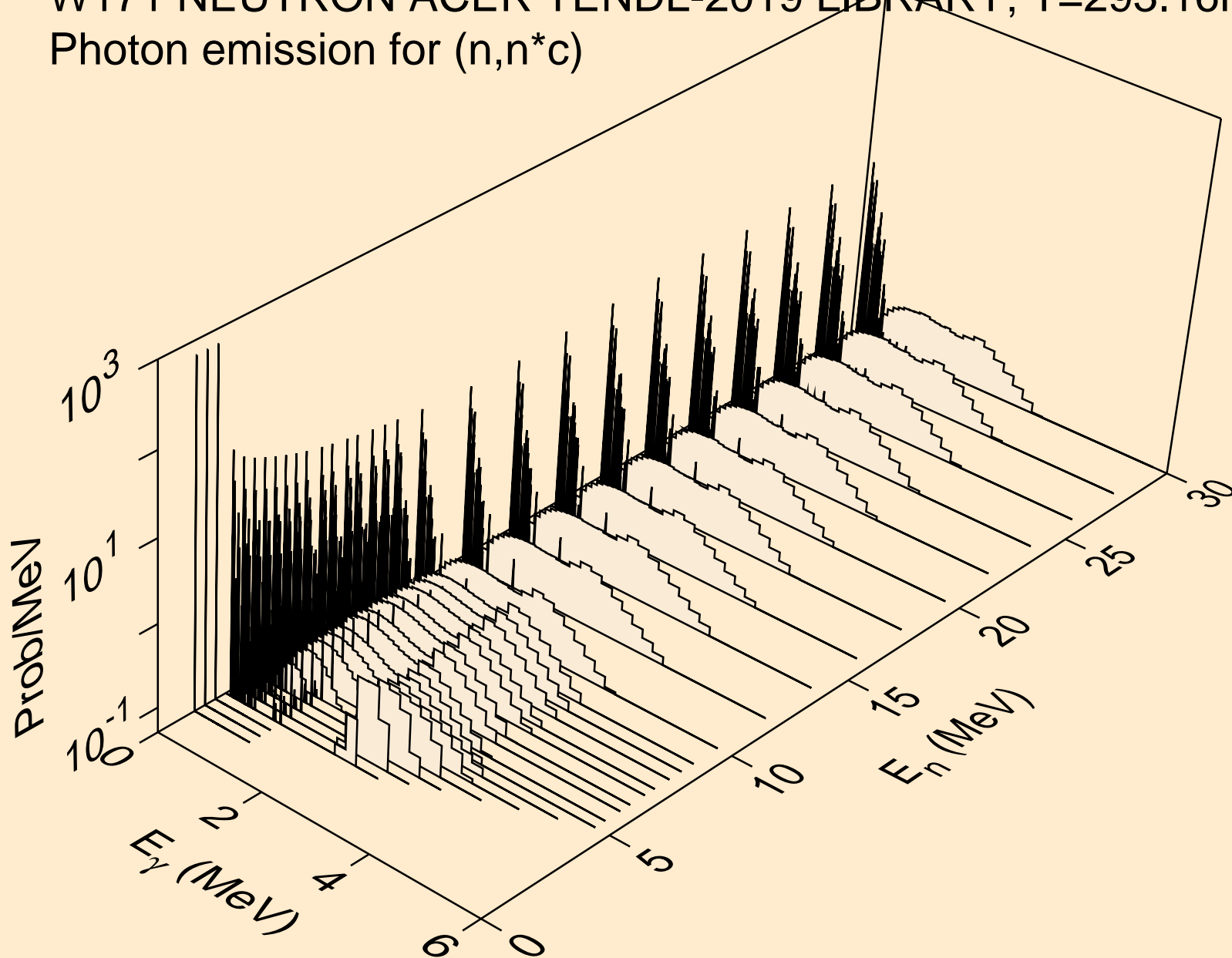
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



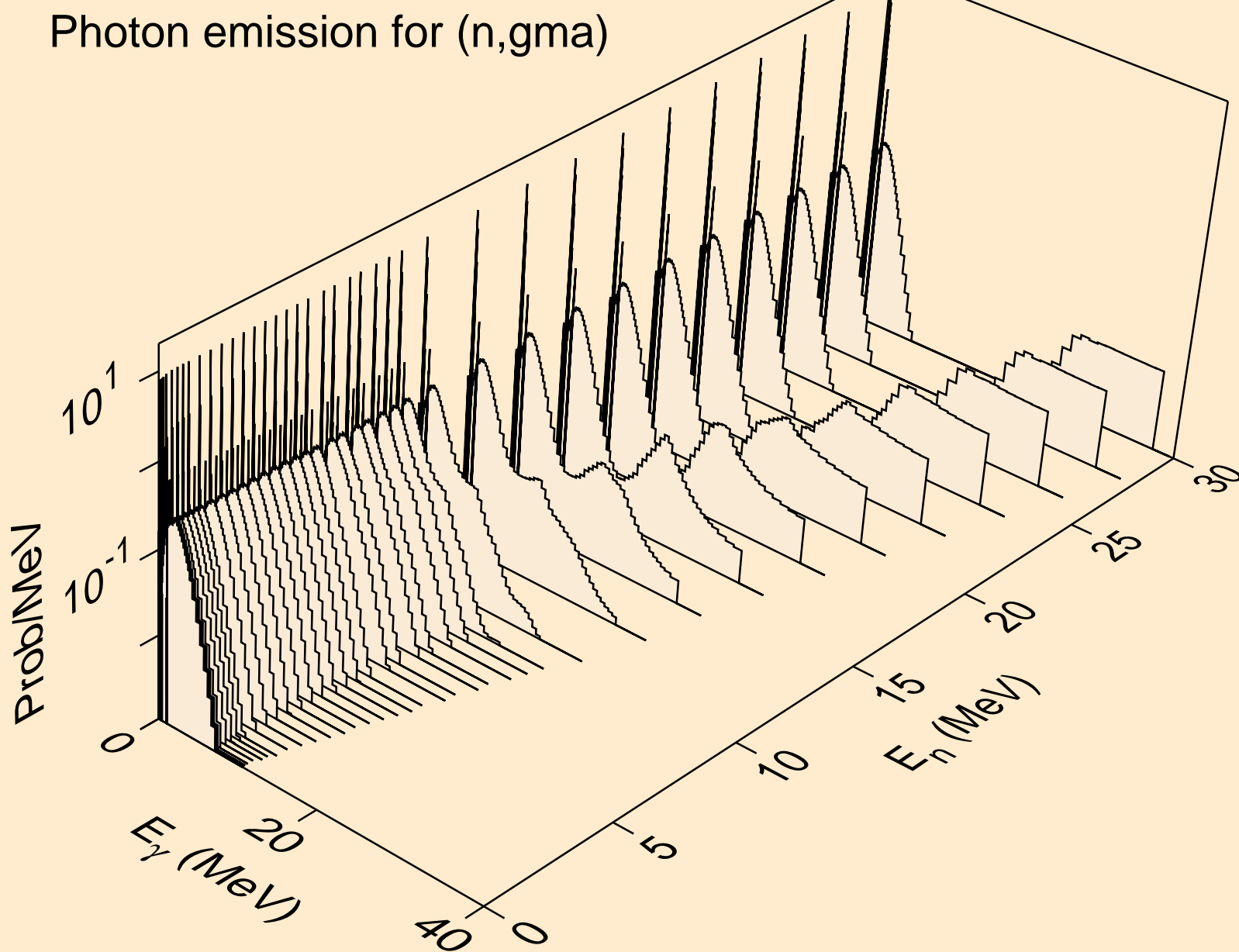
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



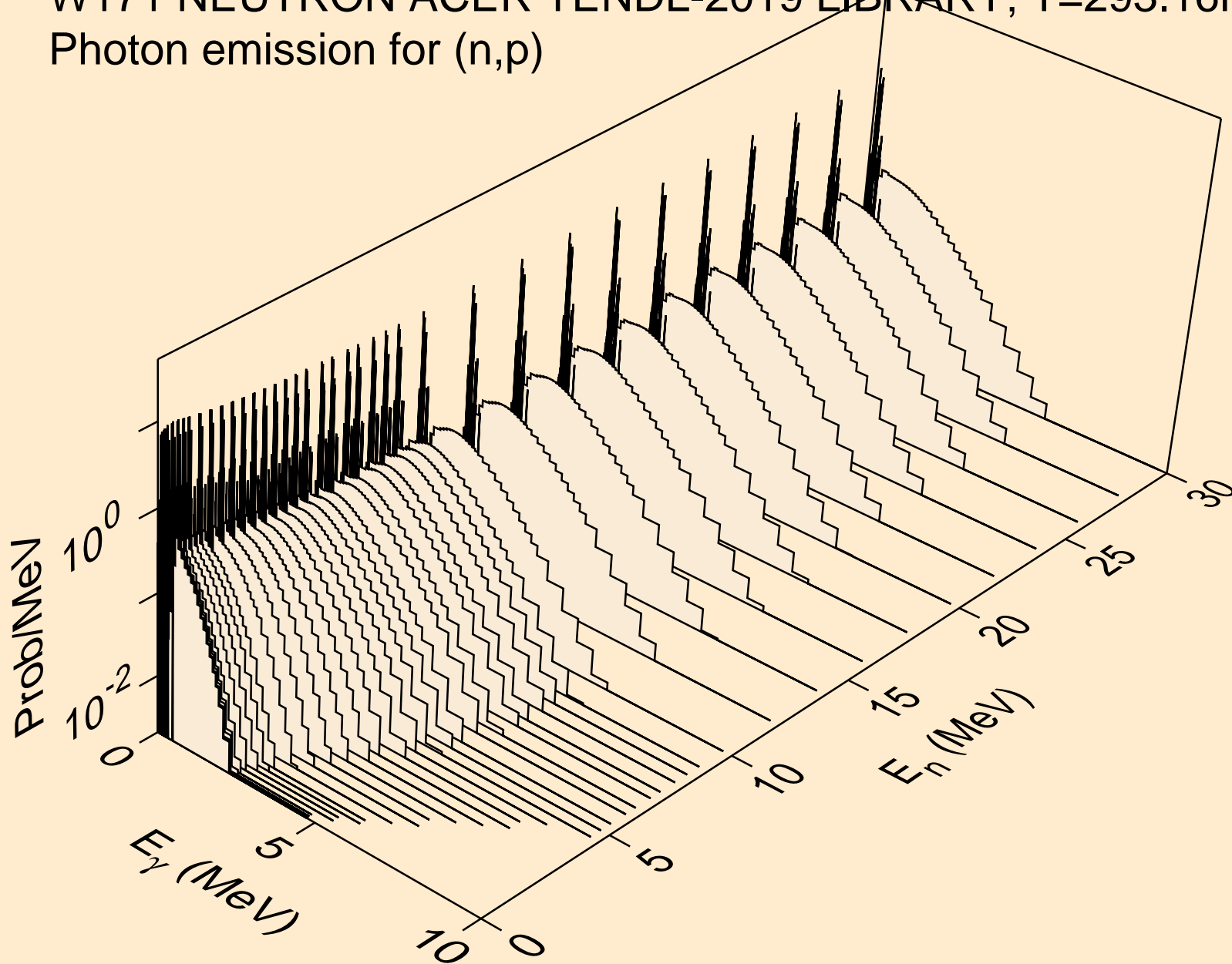
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



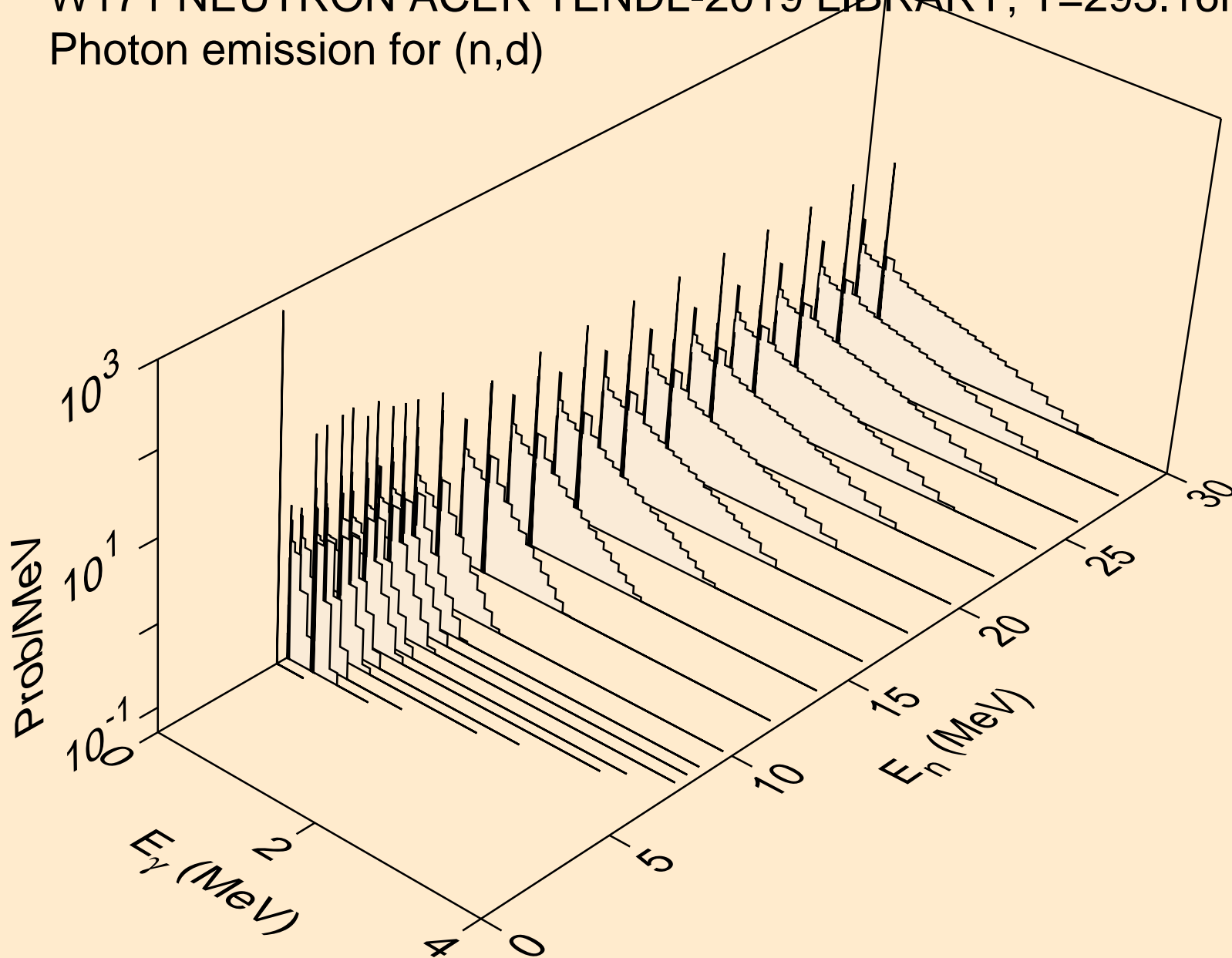
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

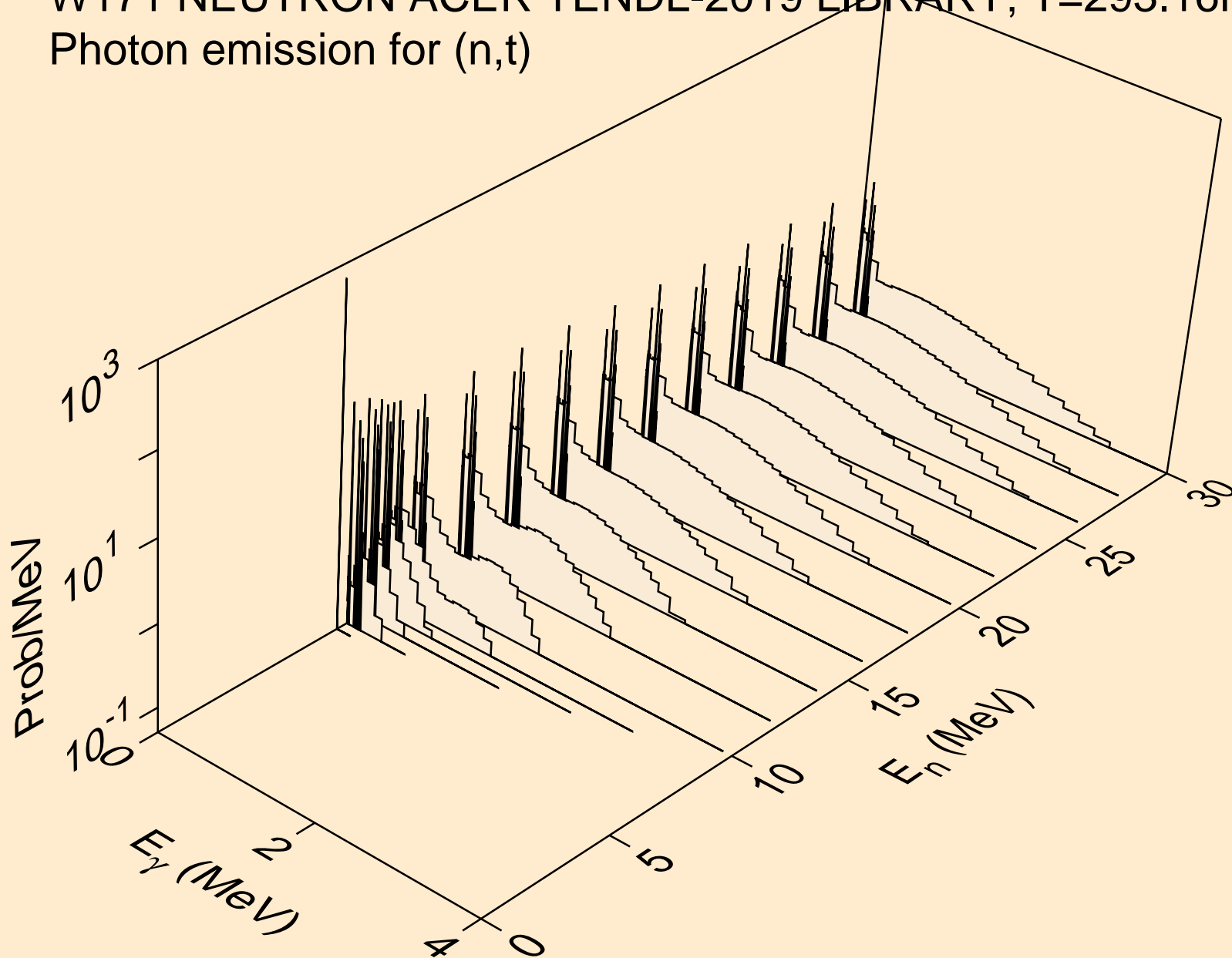


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

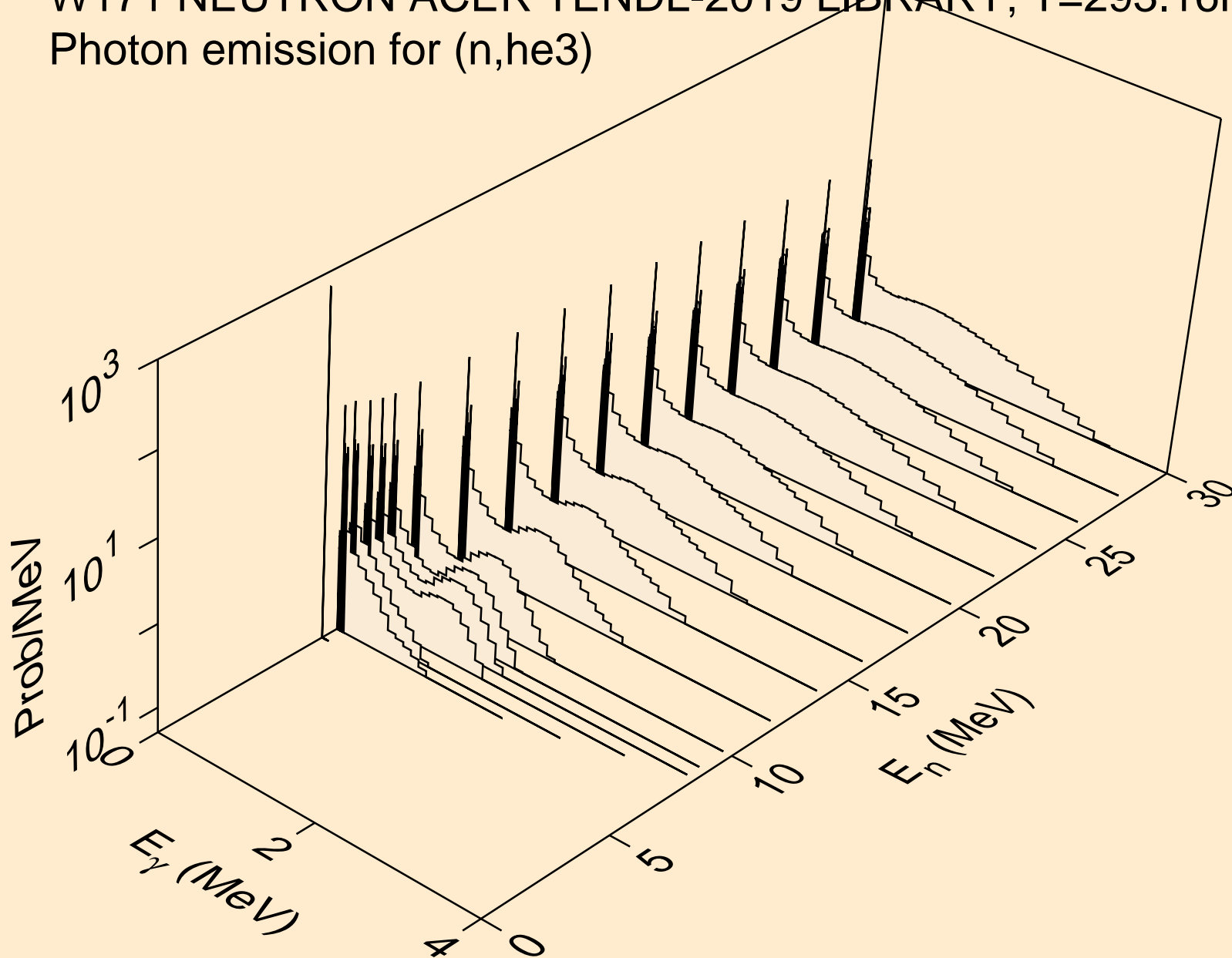




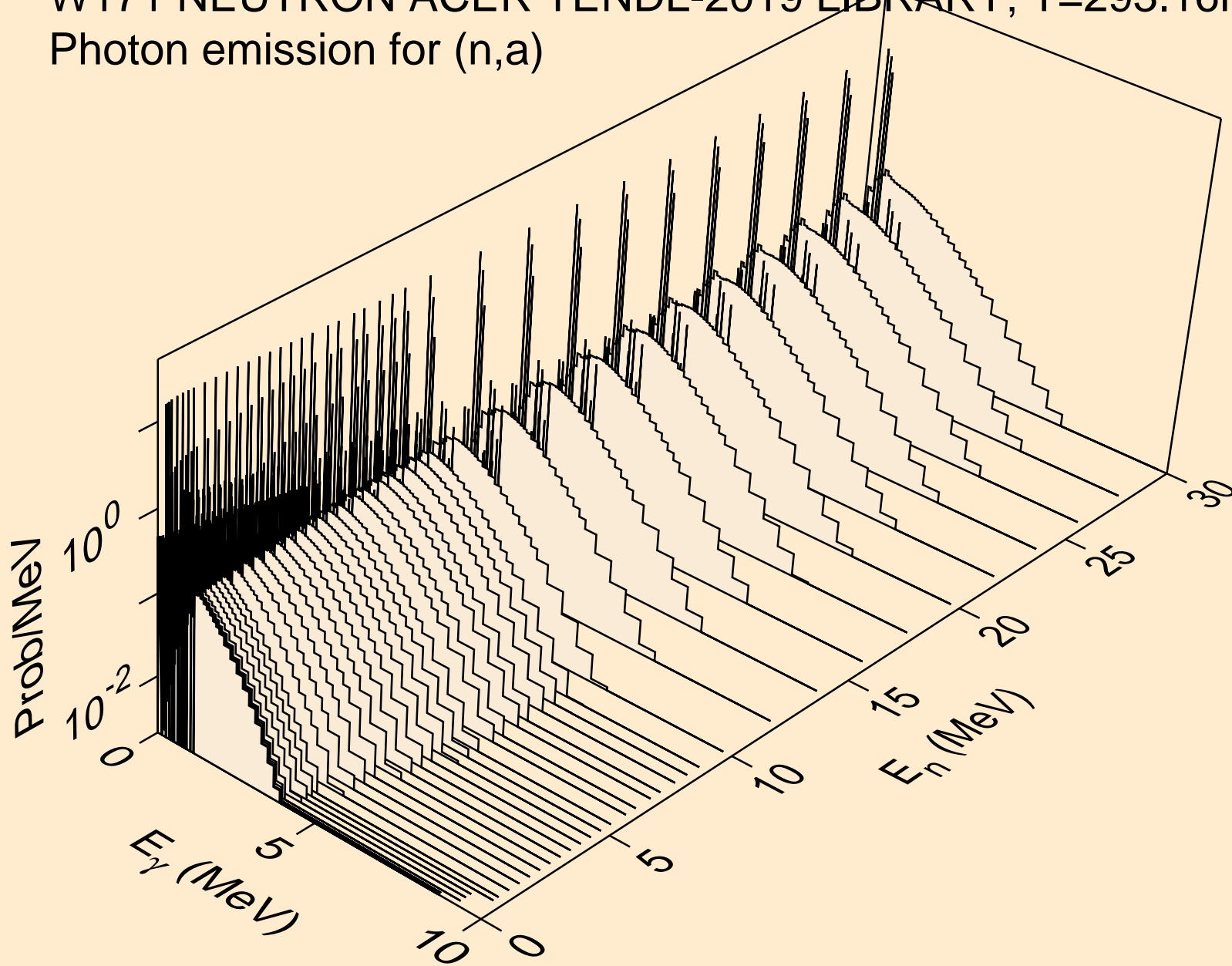
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



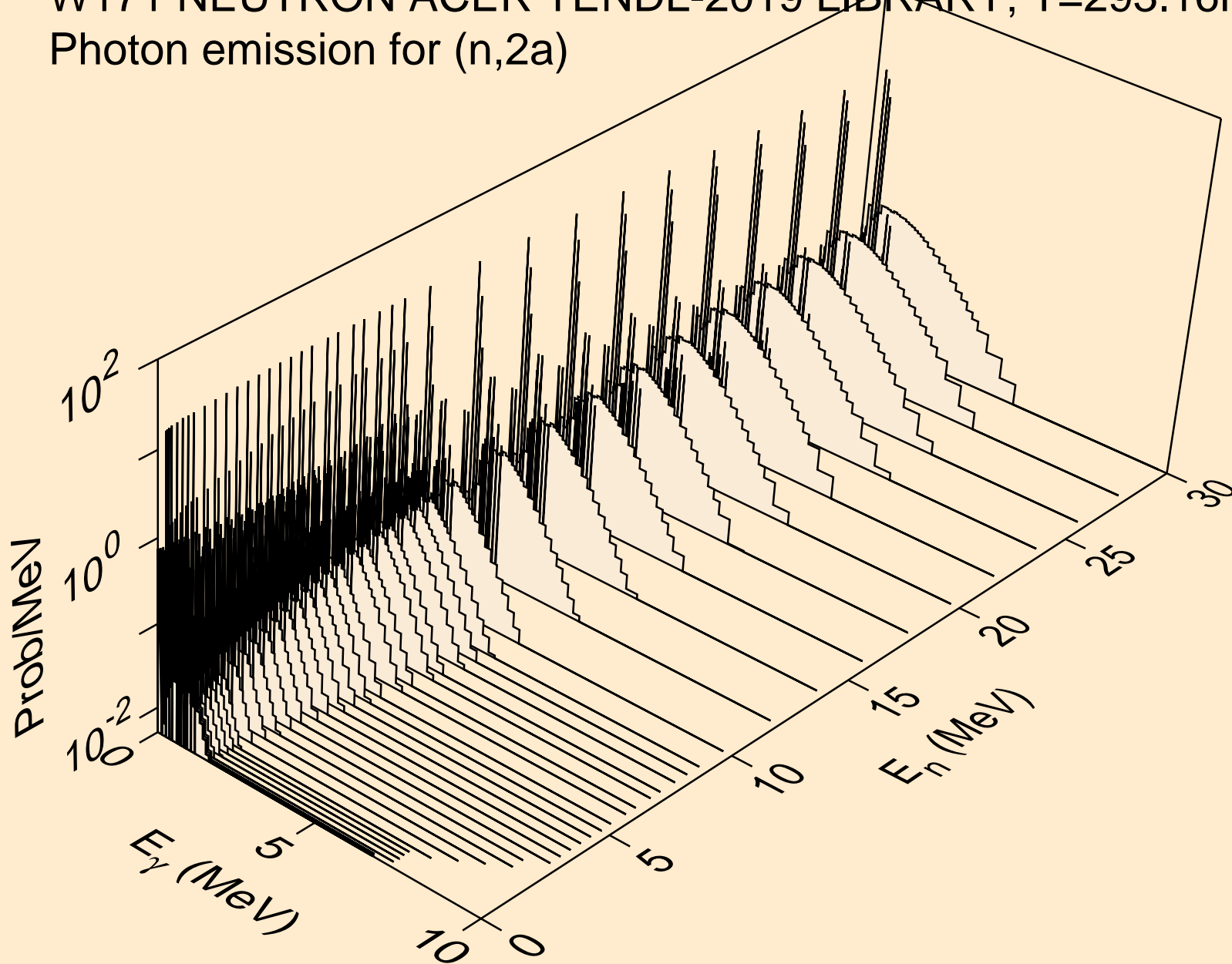
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



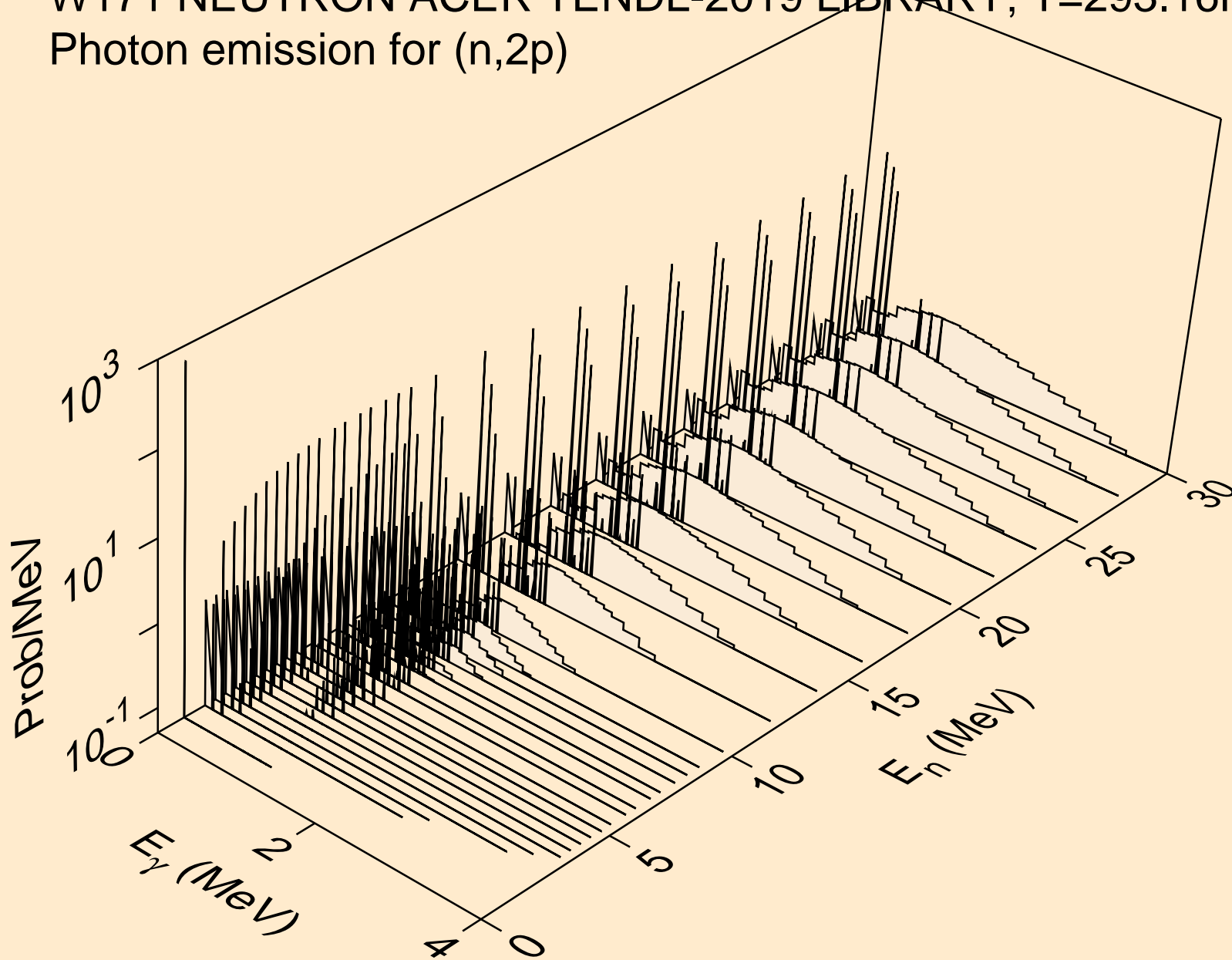
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



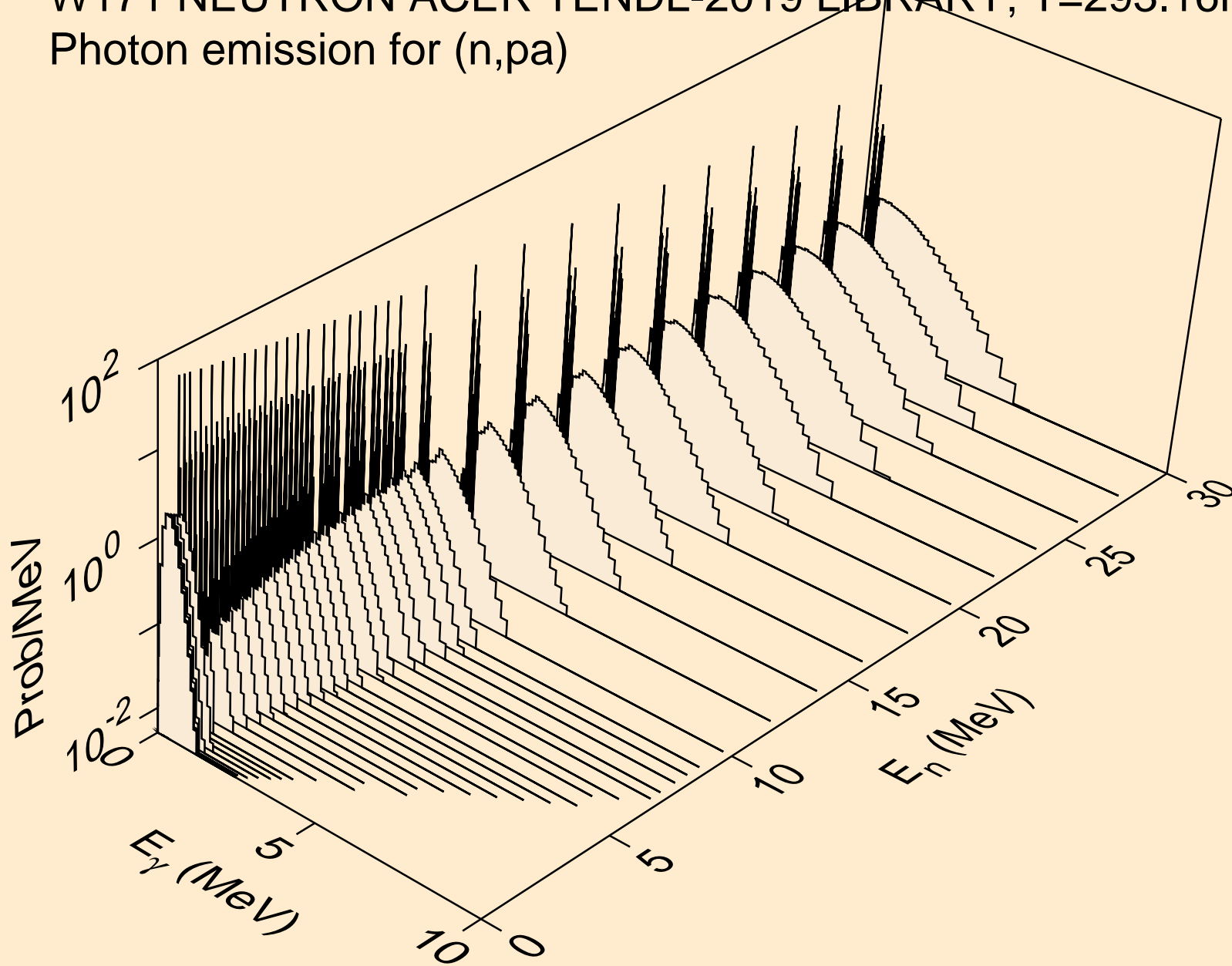
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



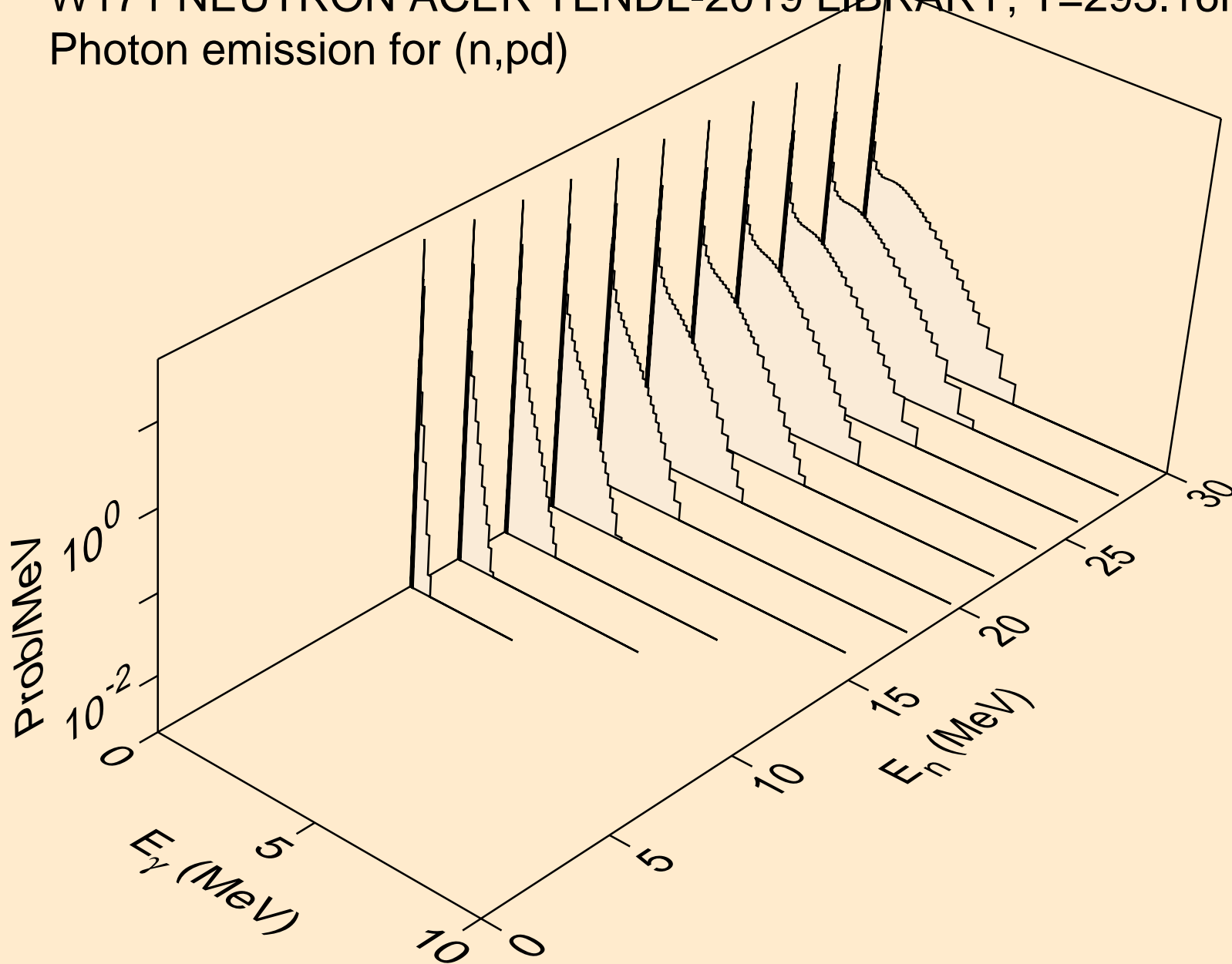
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



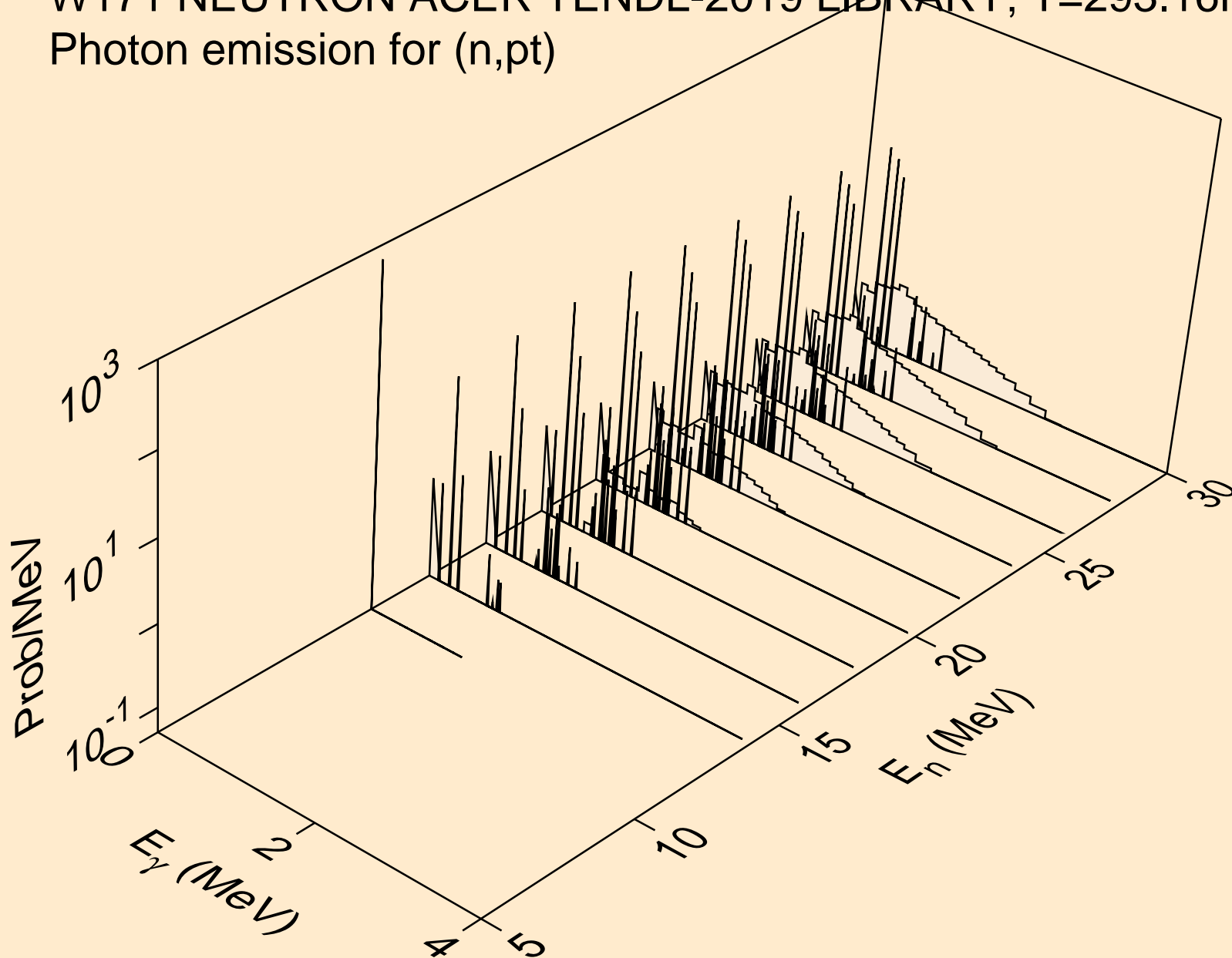
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

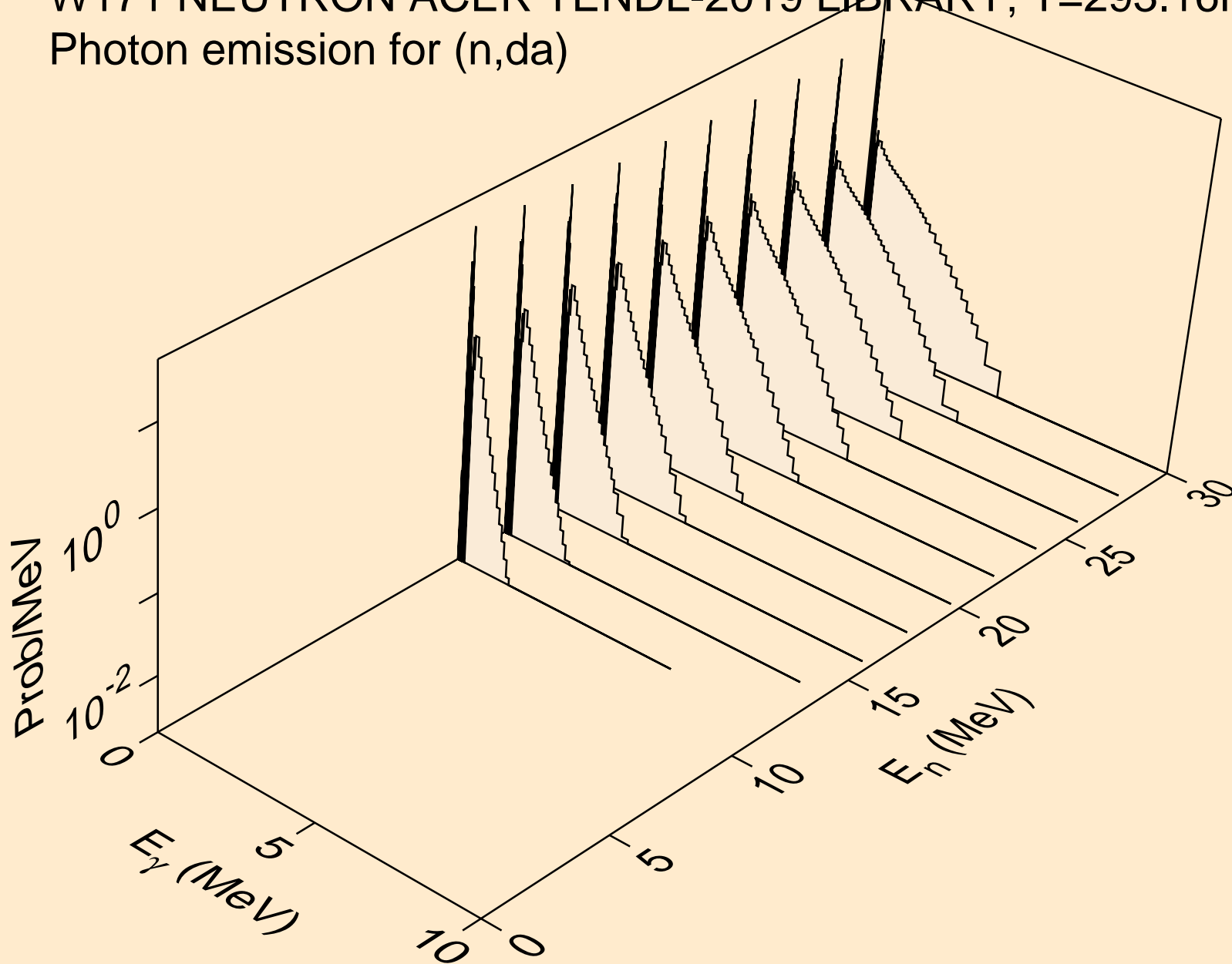


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

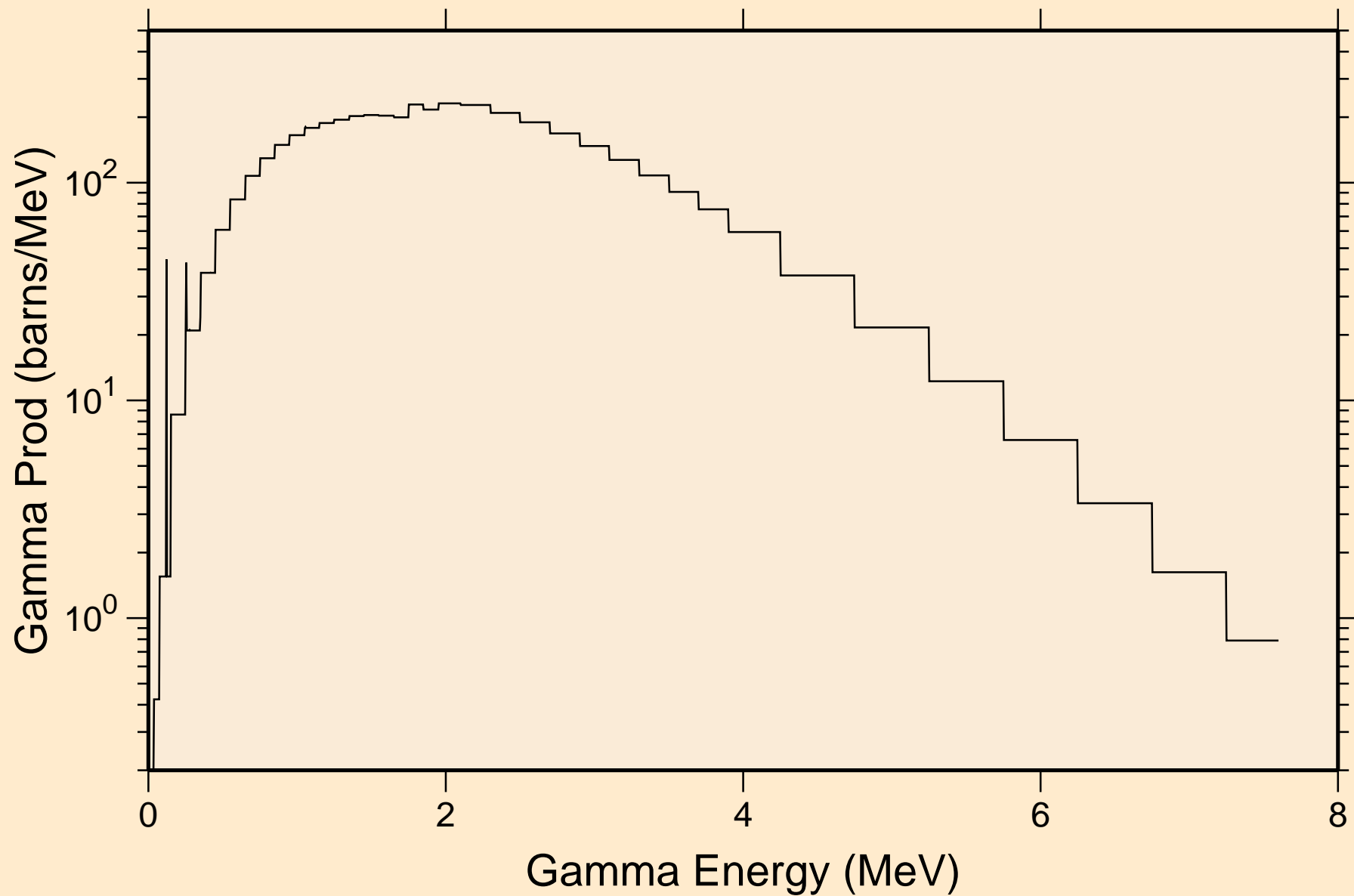




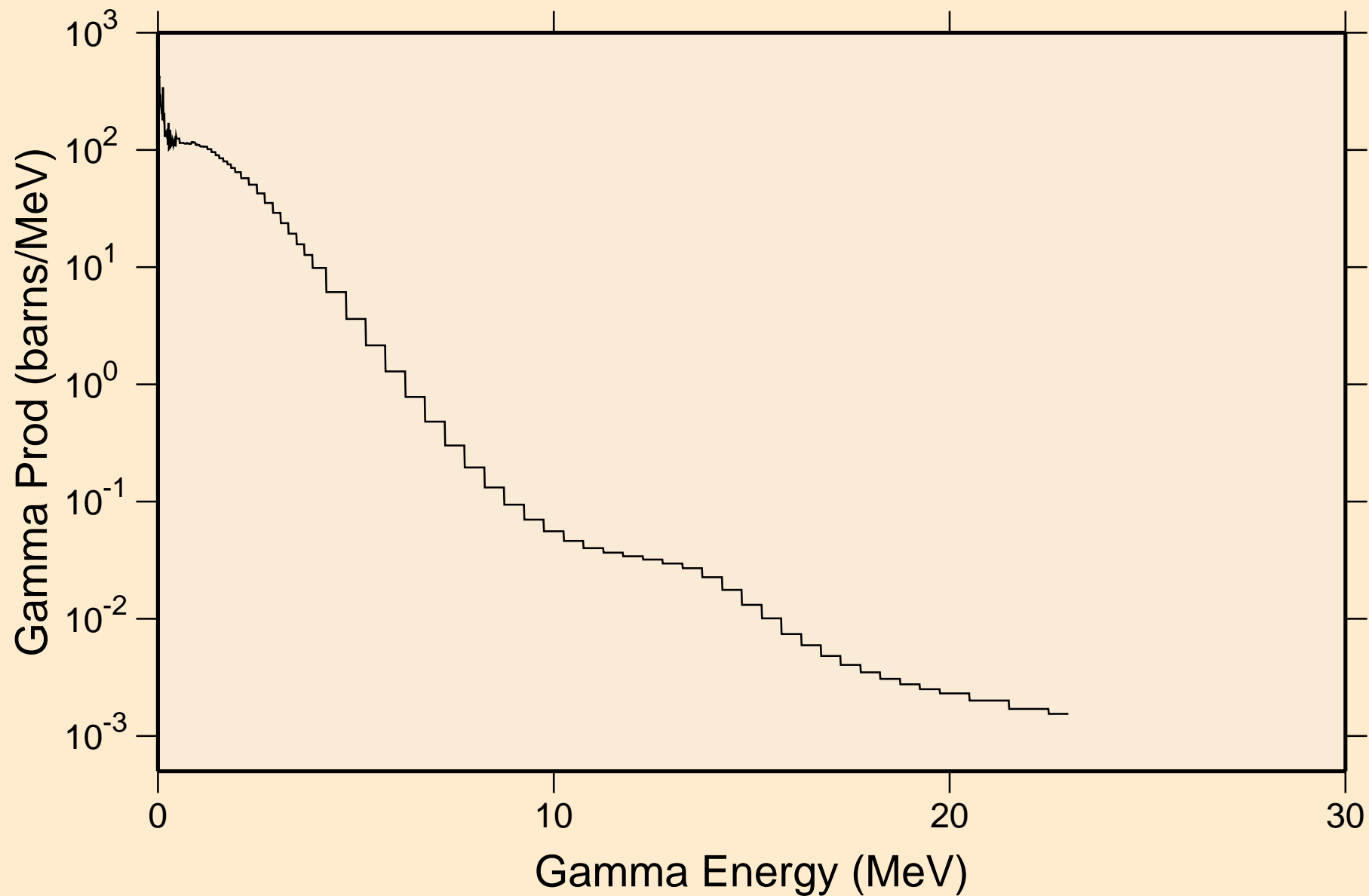
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

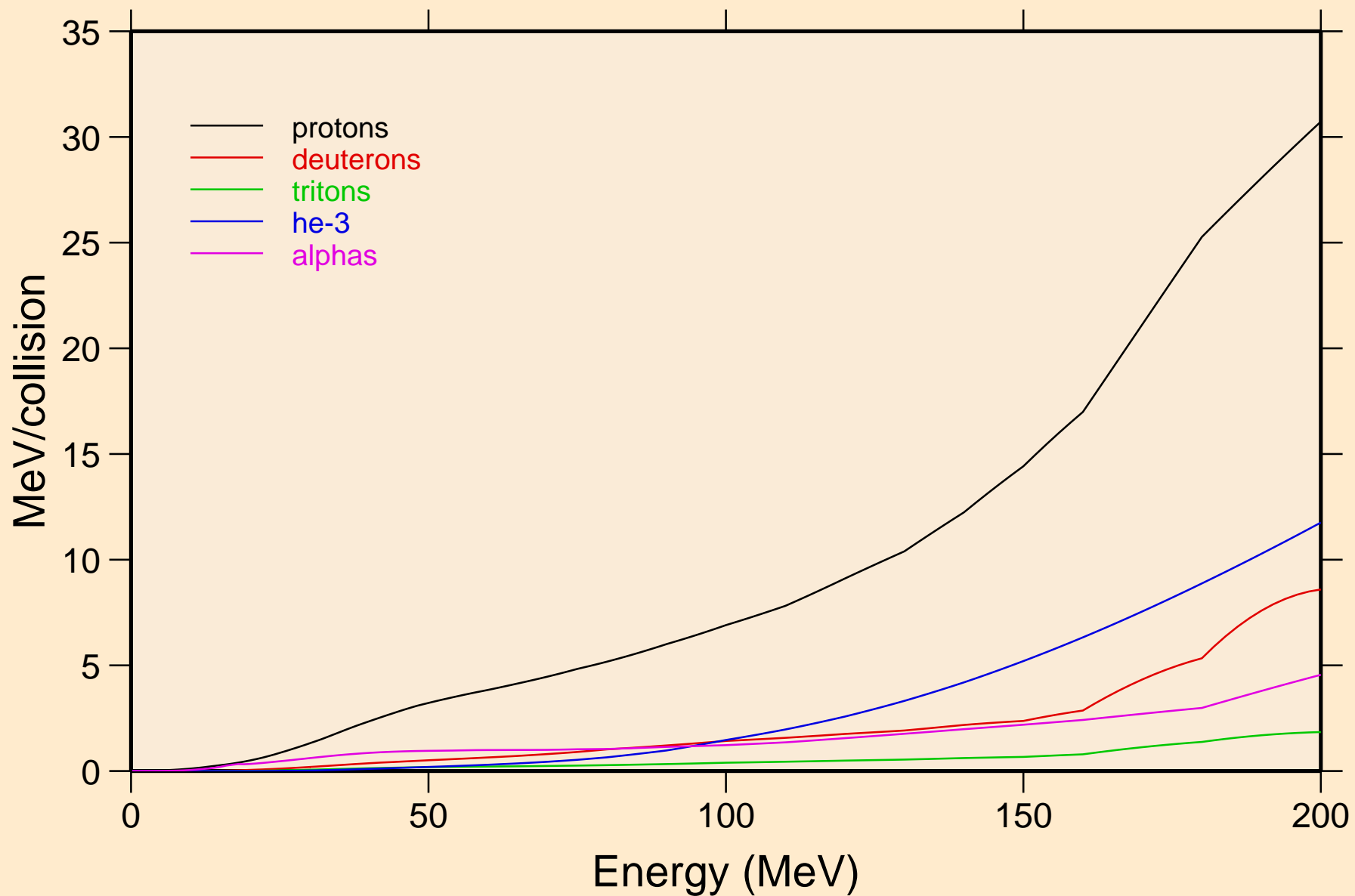


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

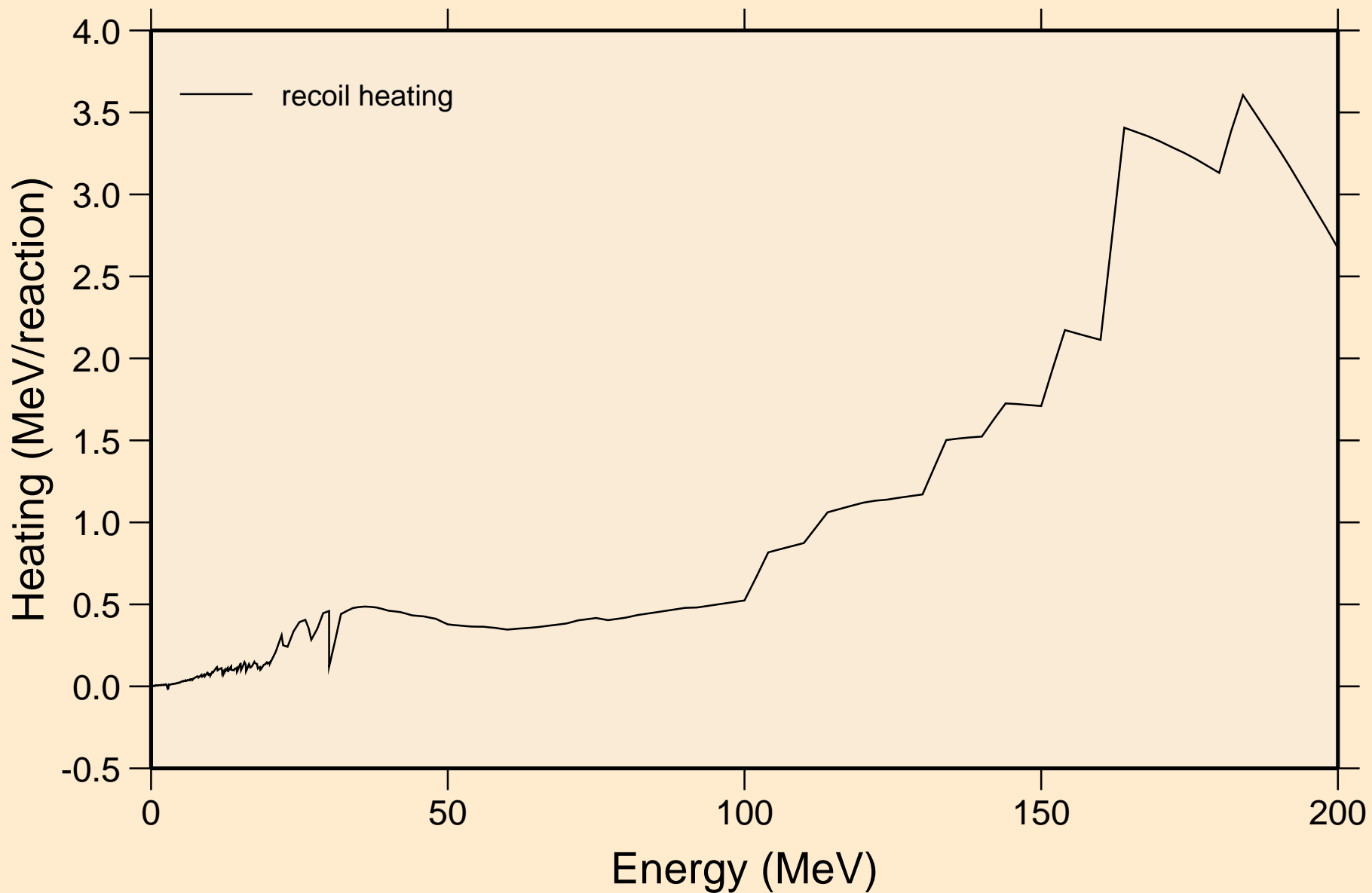


# W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

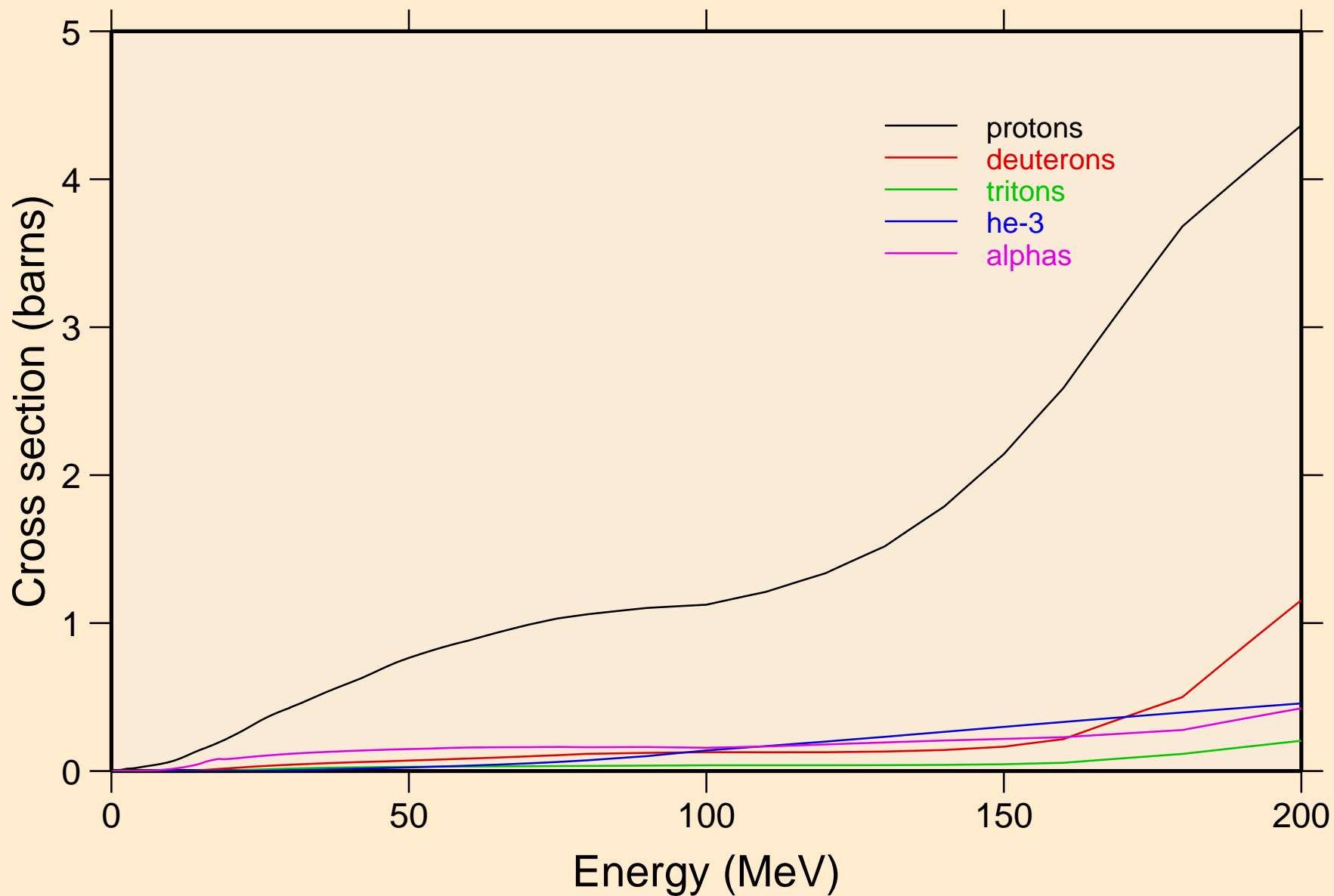
## Particle heating contributions



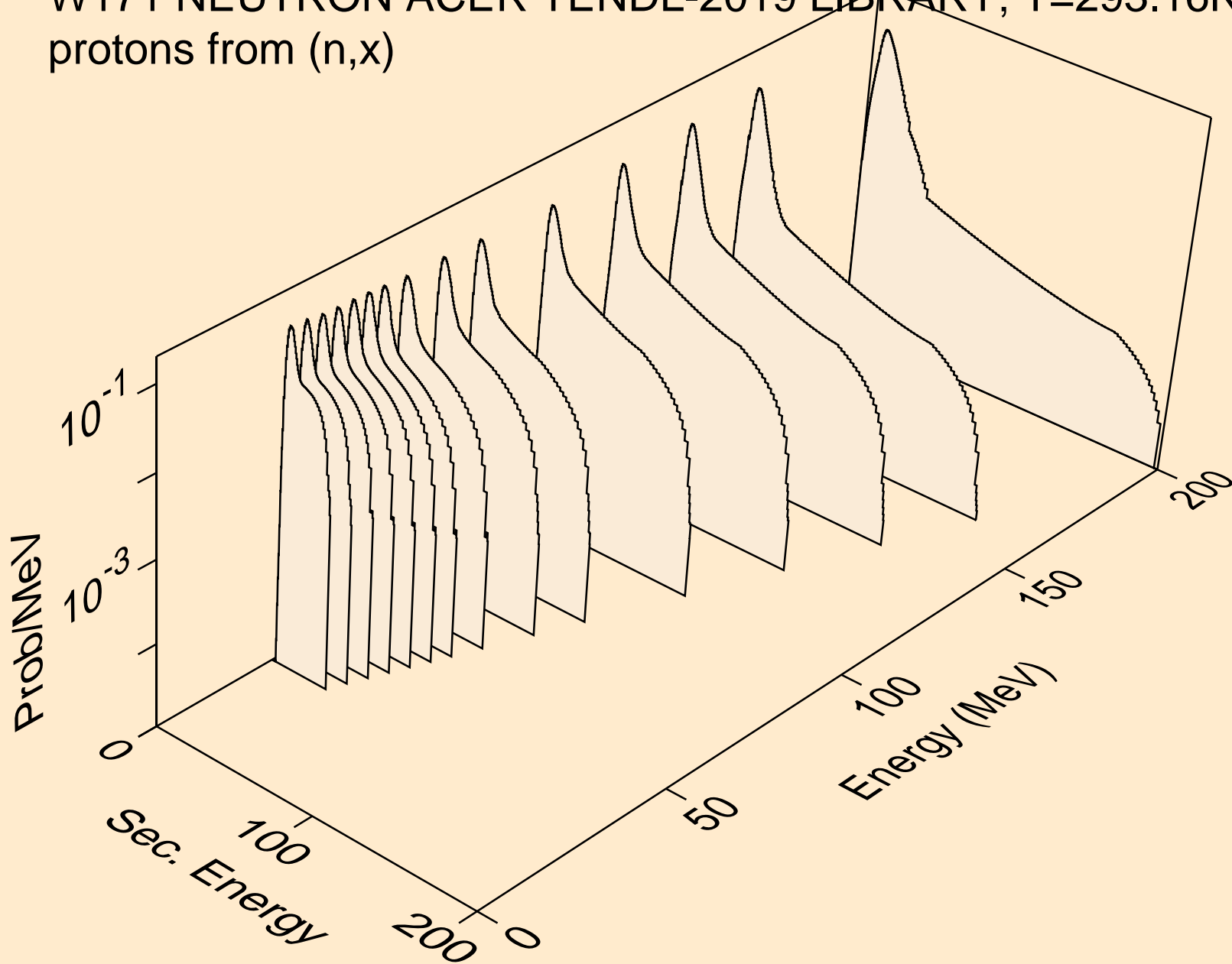
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



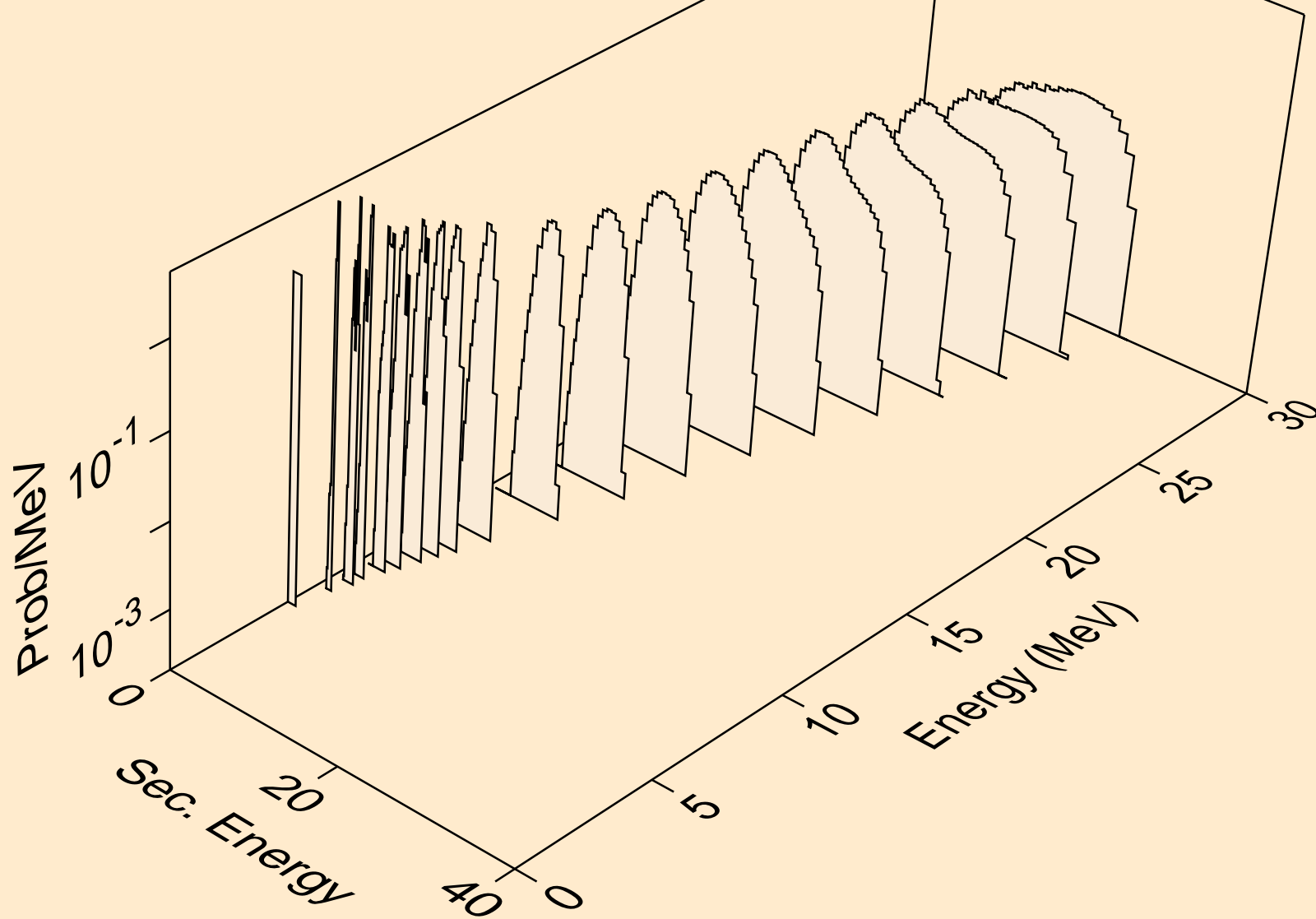
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

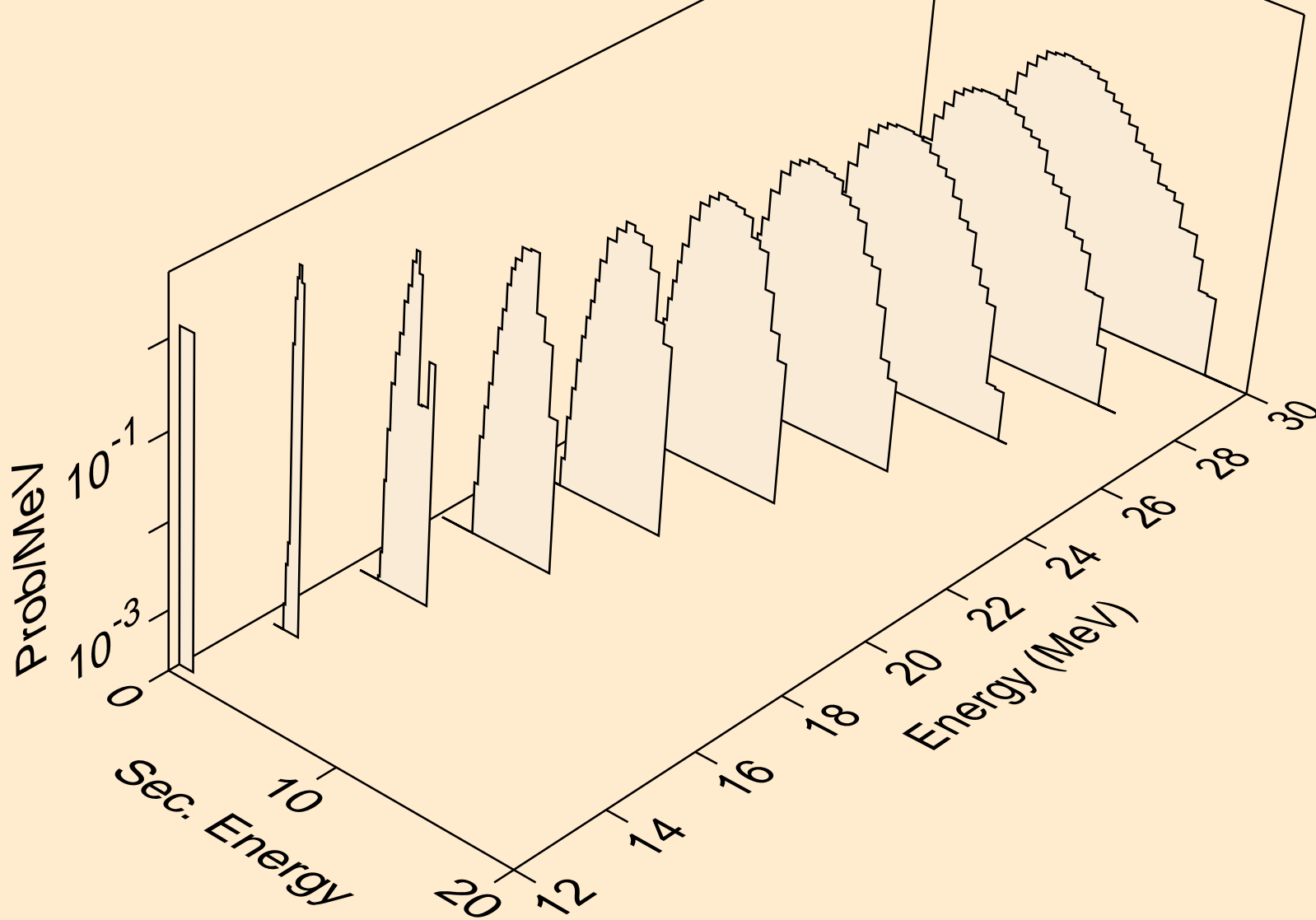


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

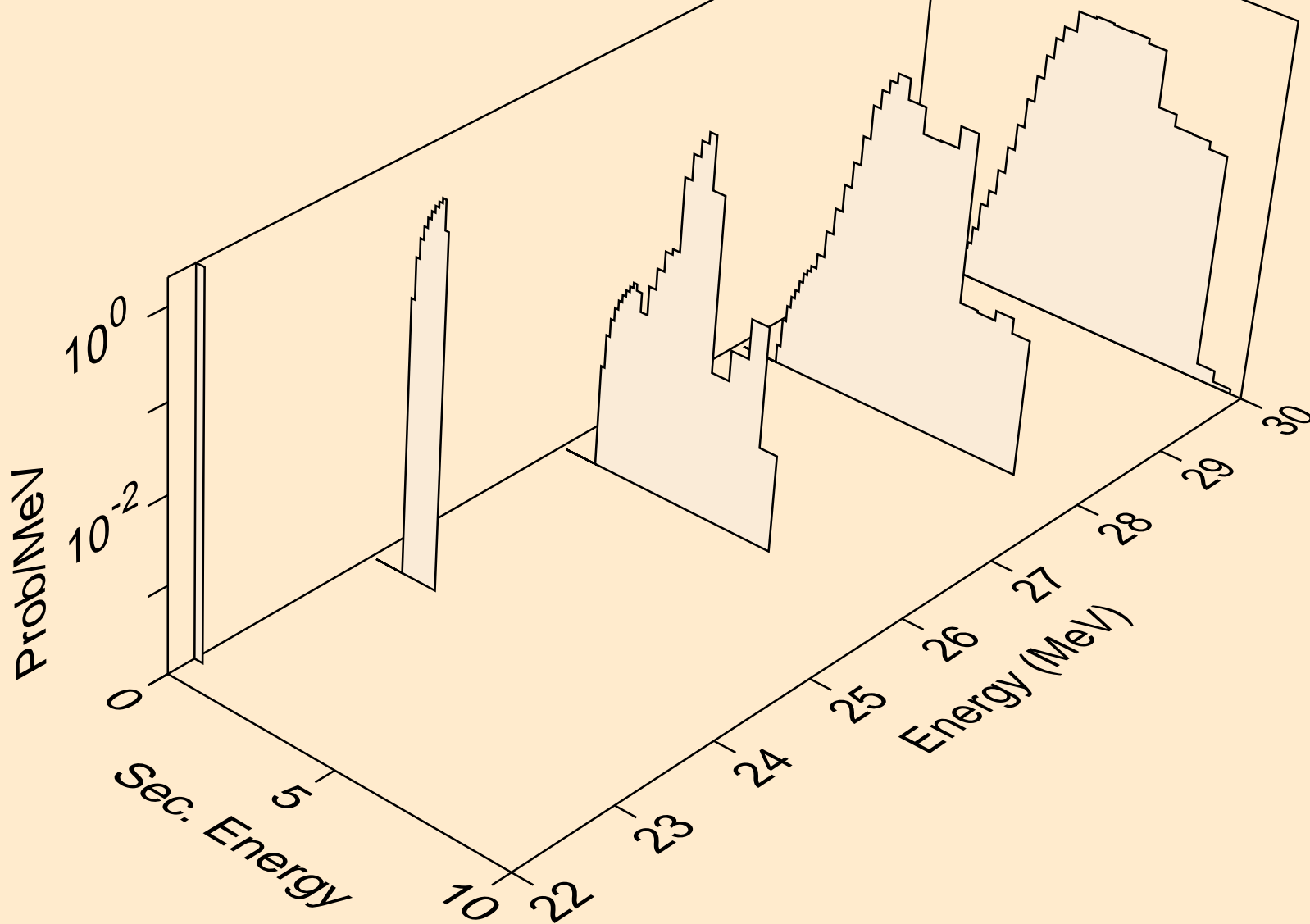




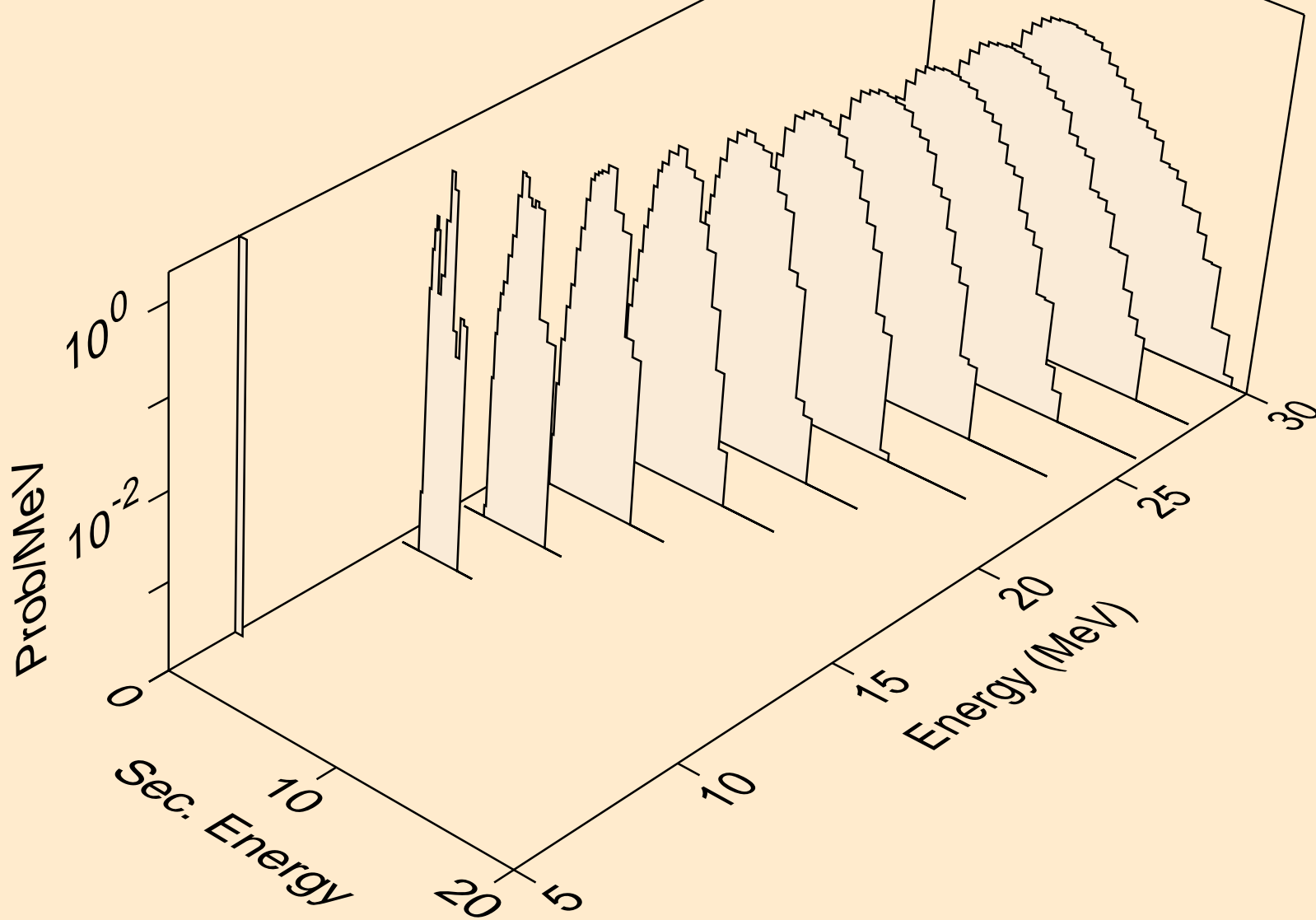
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



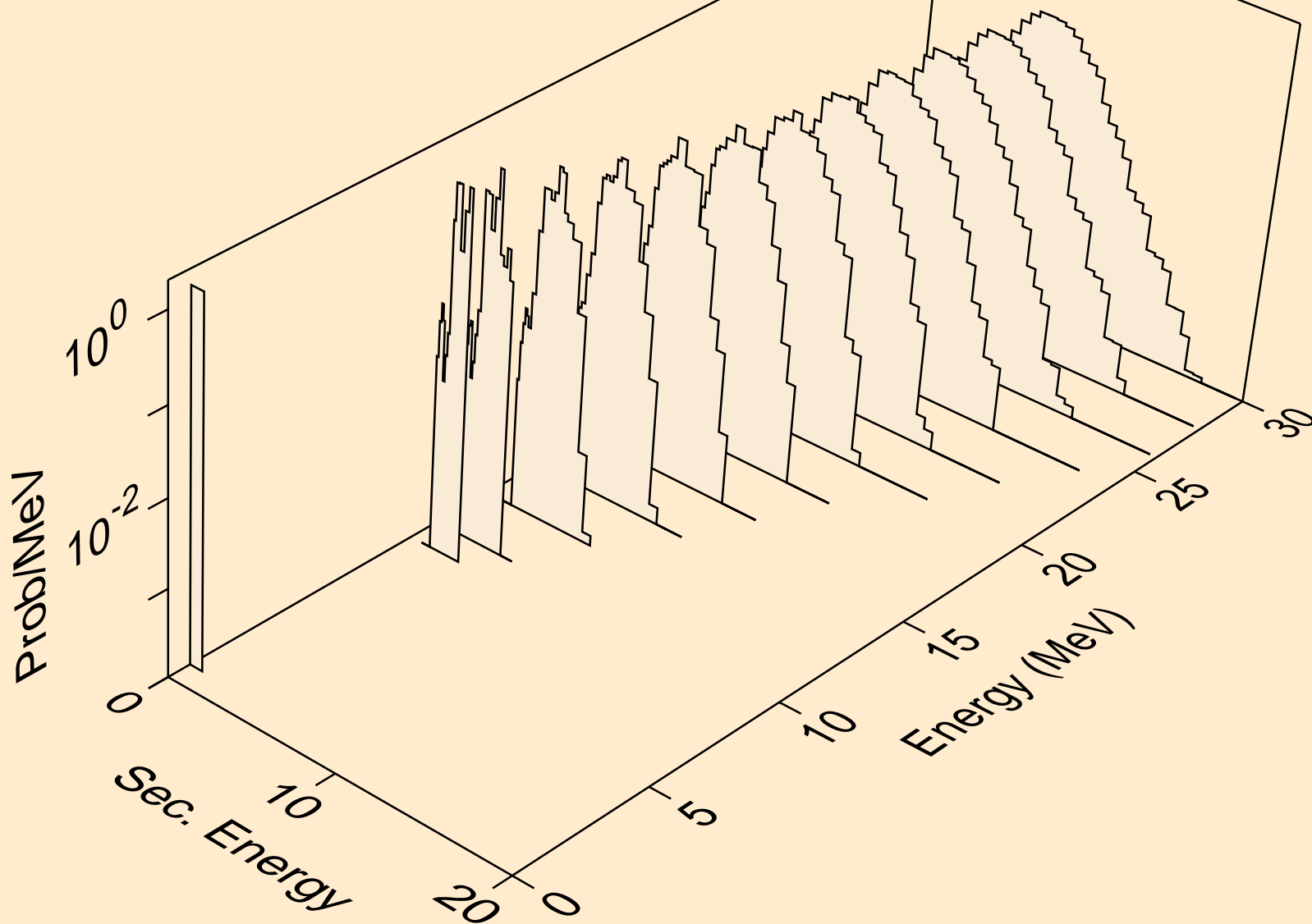
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



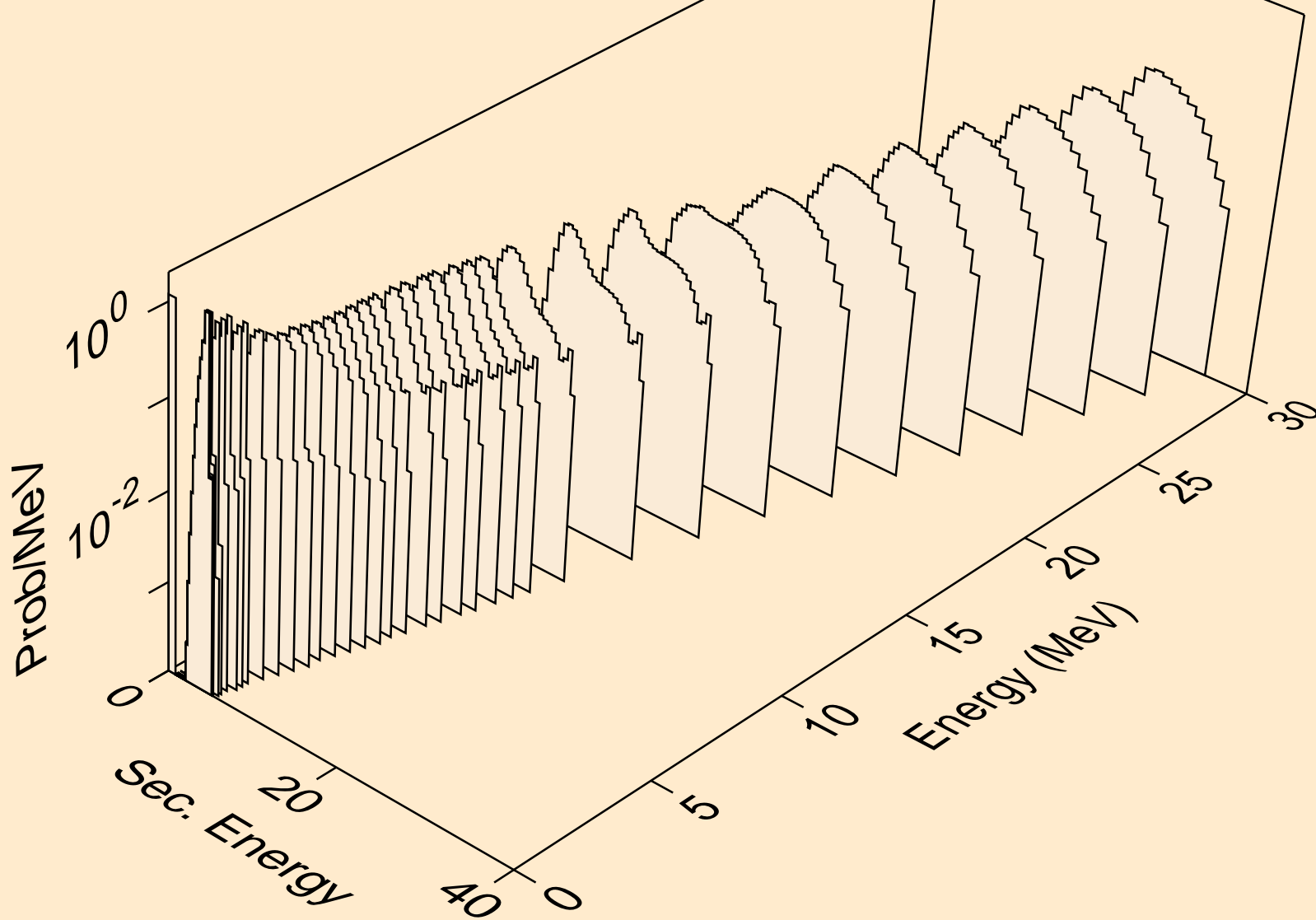
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



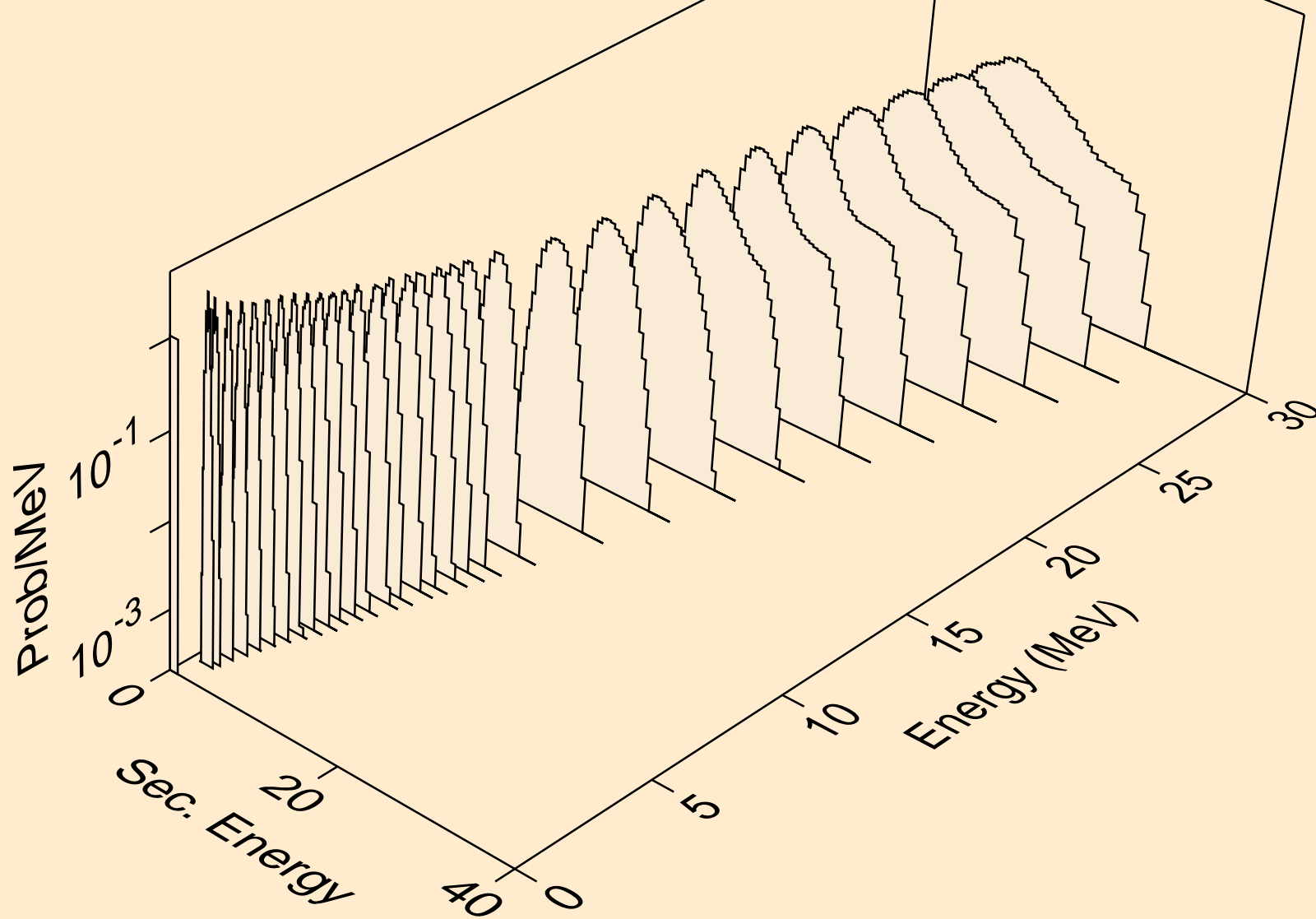
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



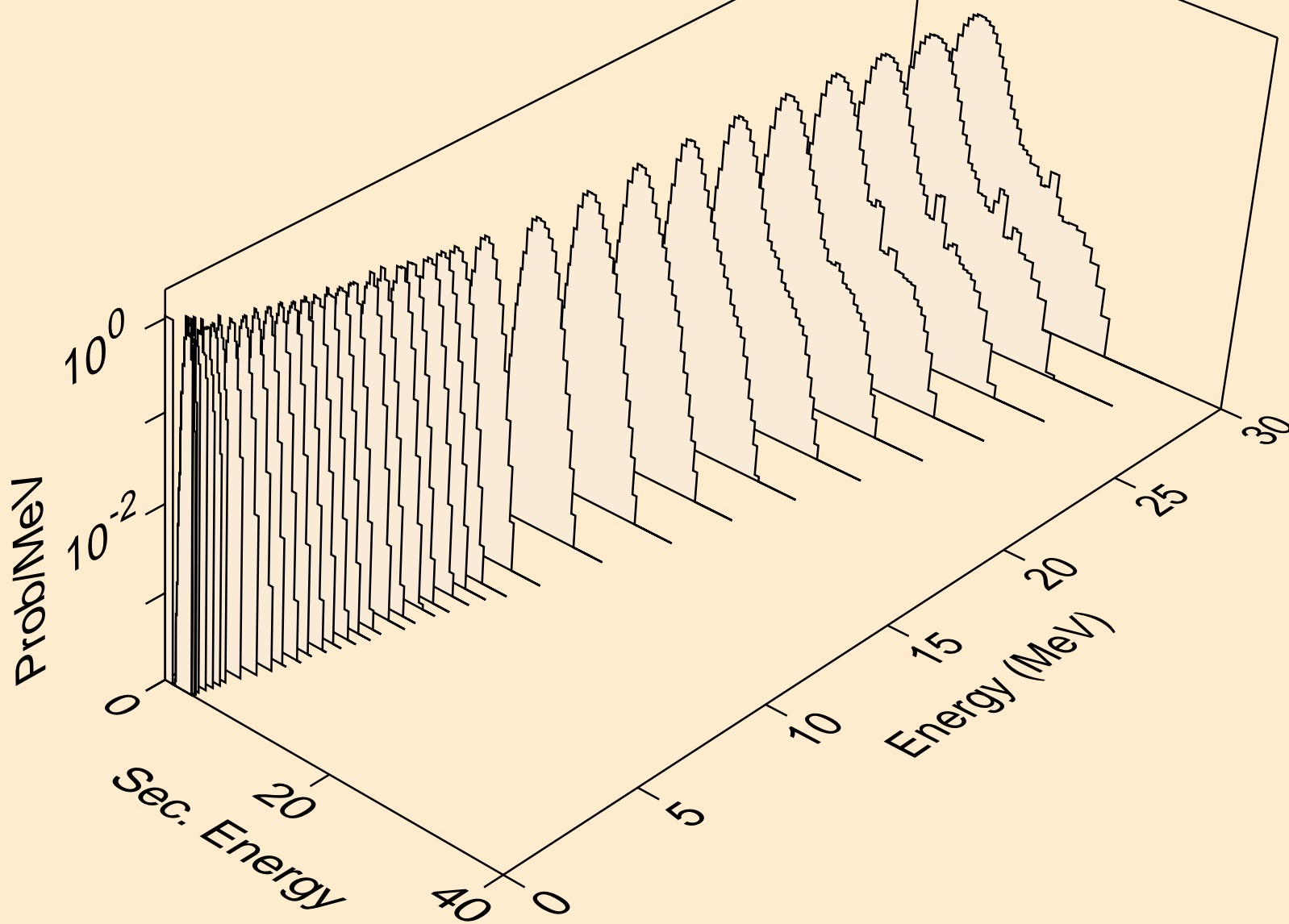
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



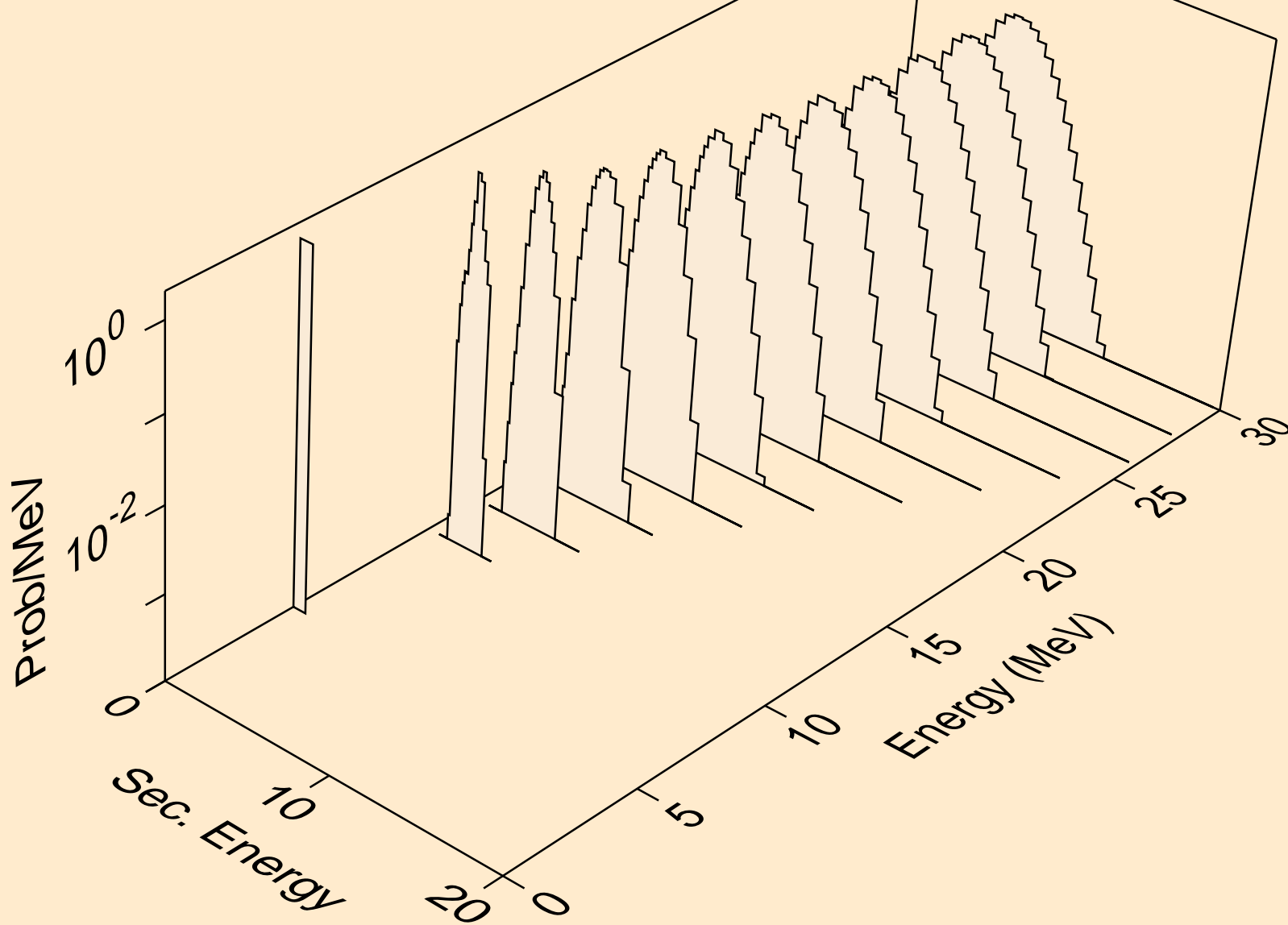
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

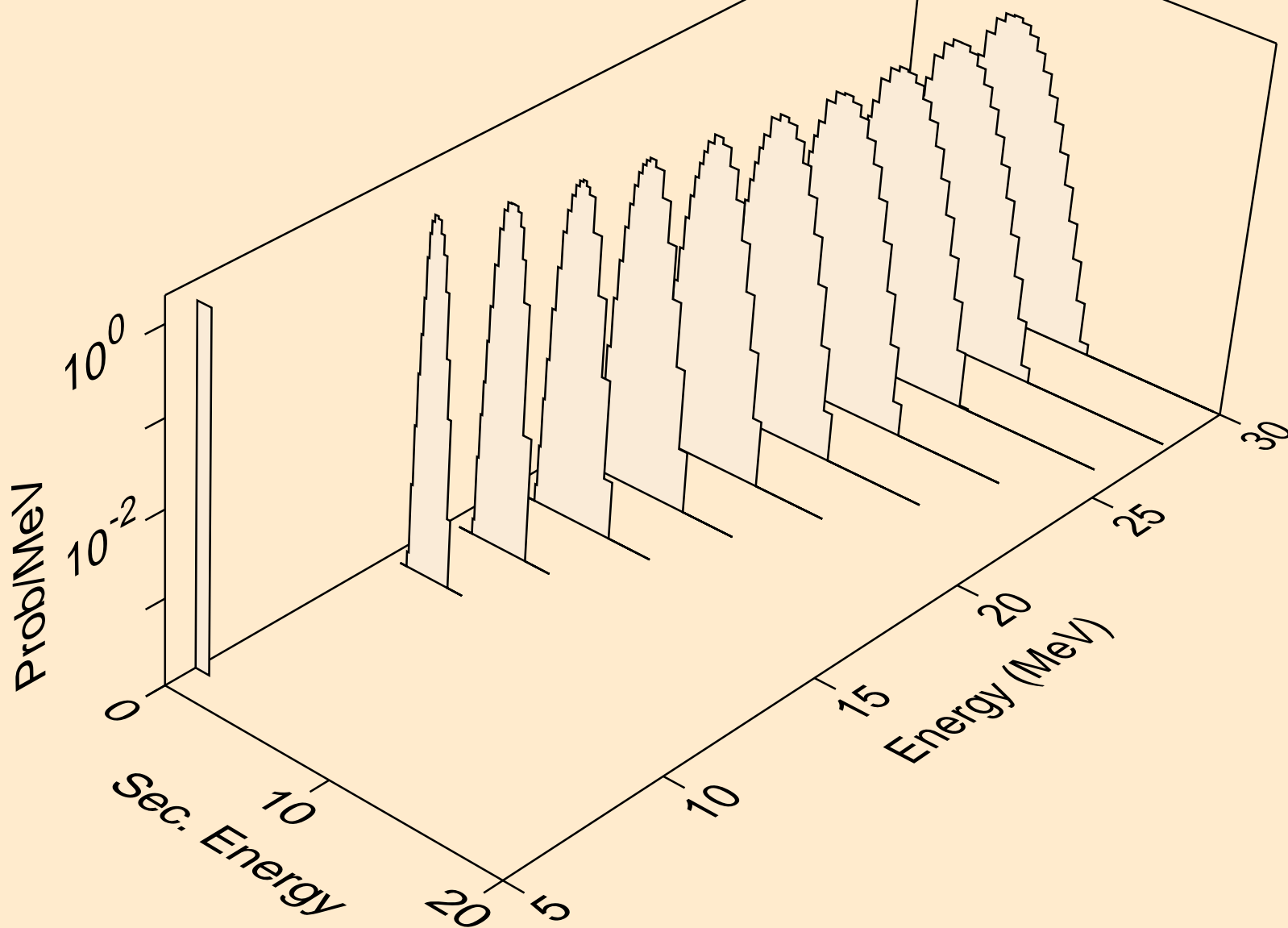


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

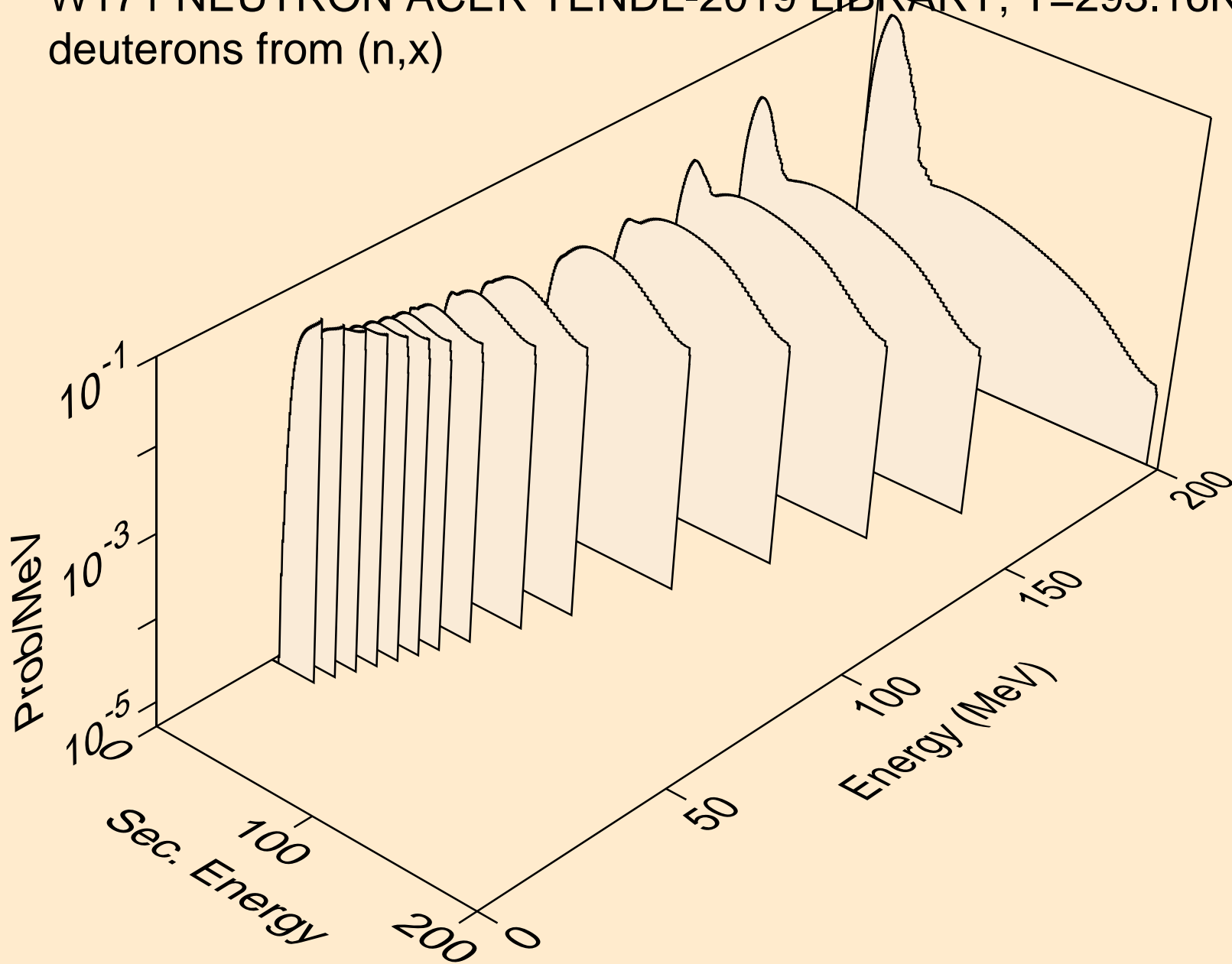




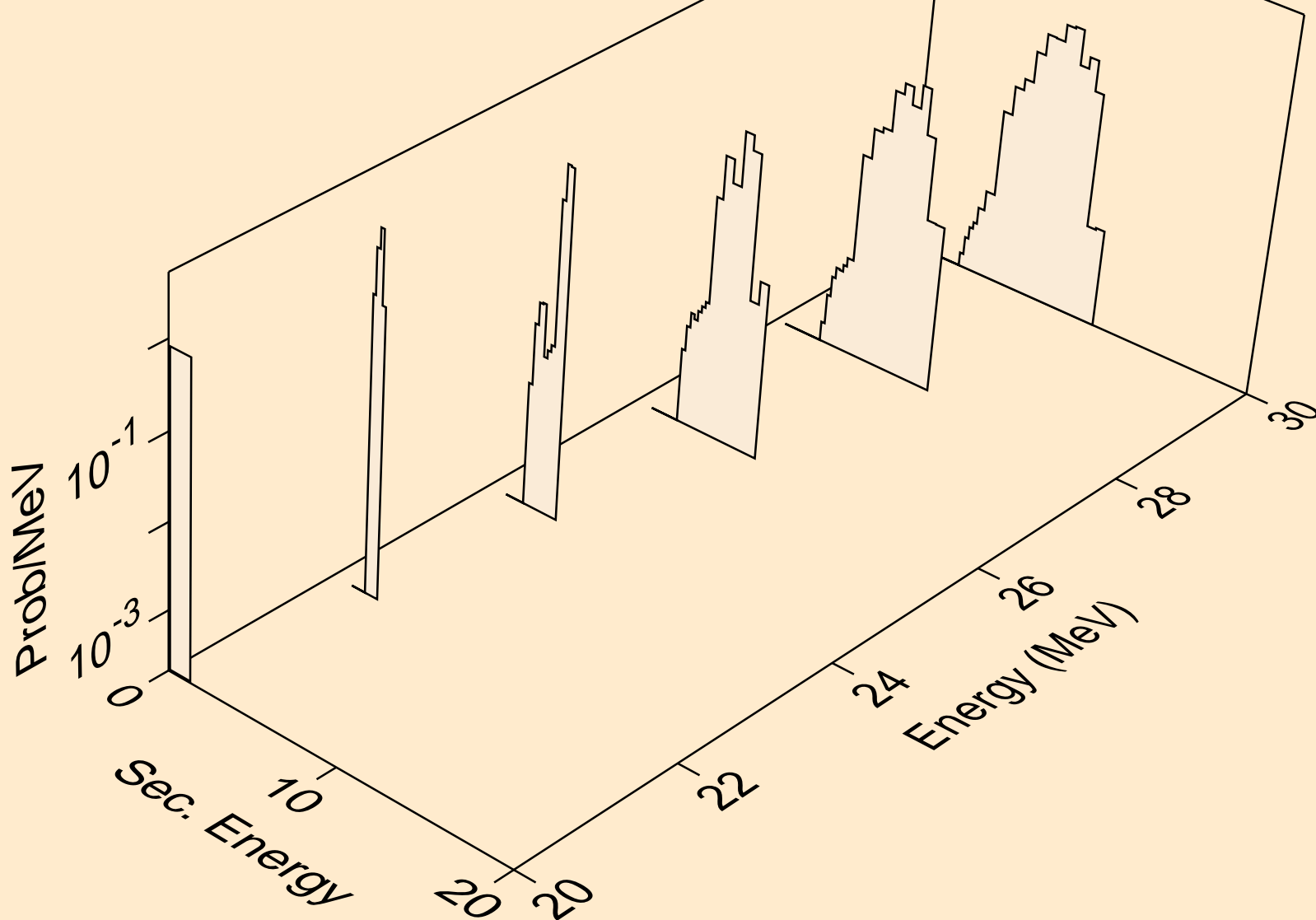
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



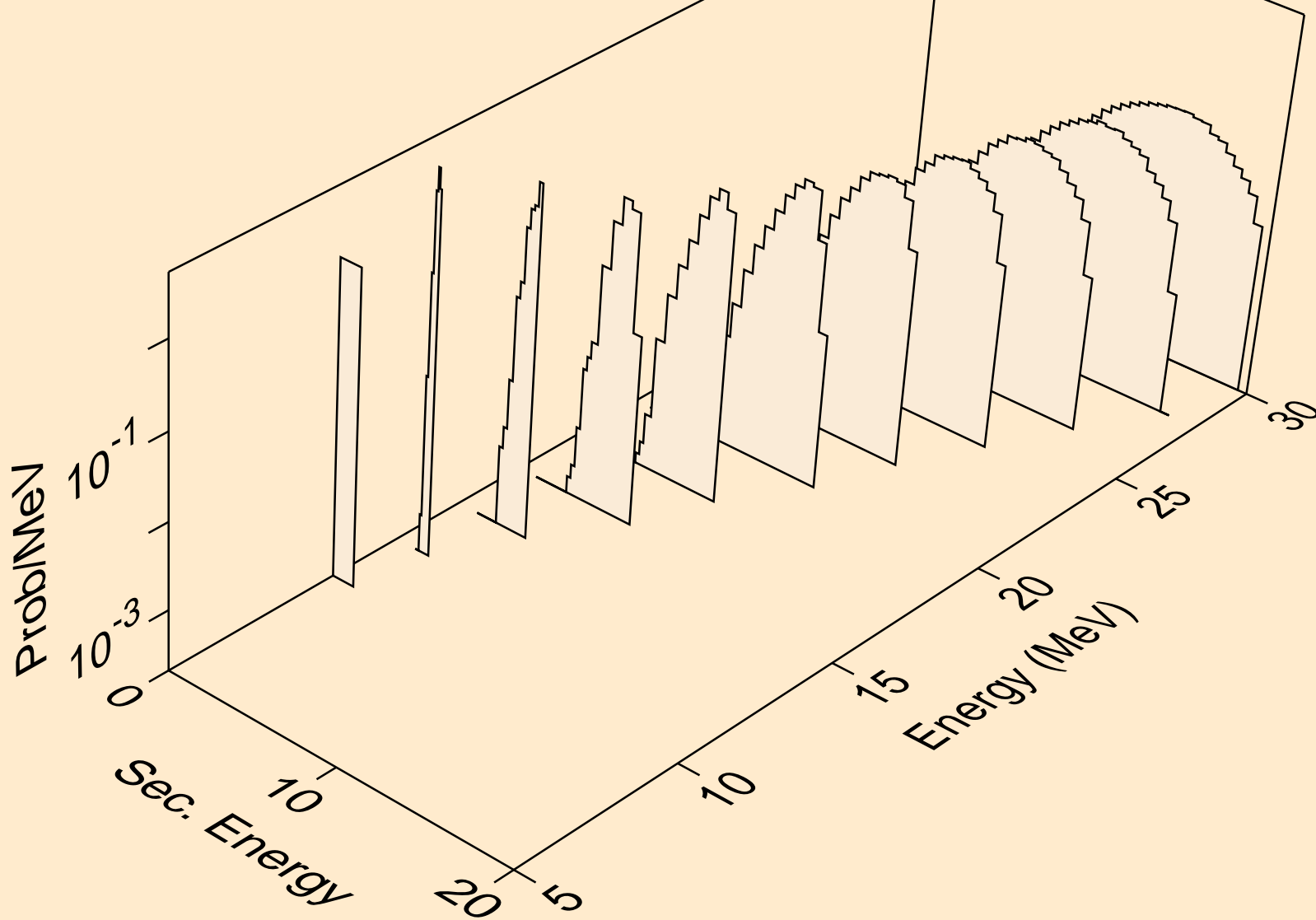
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



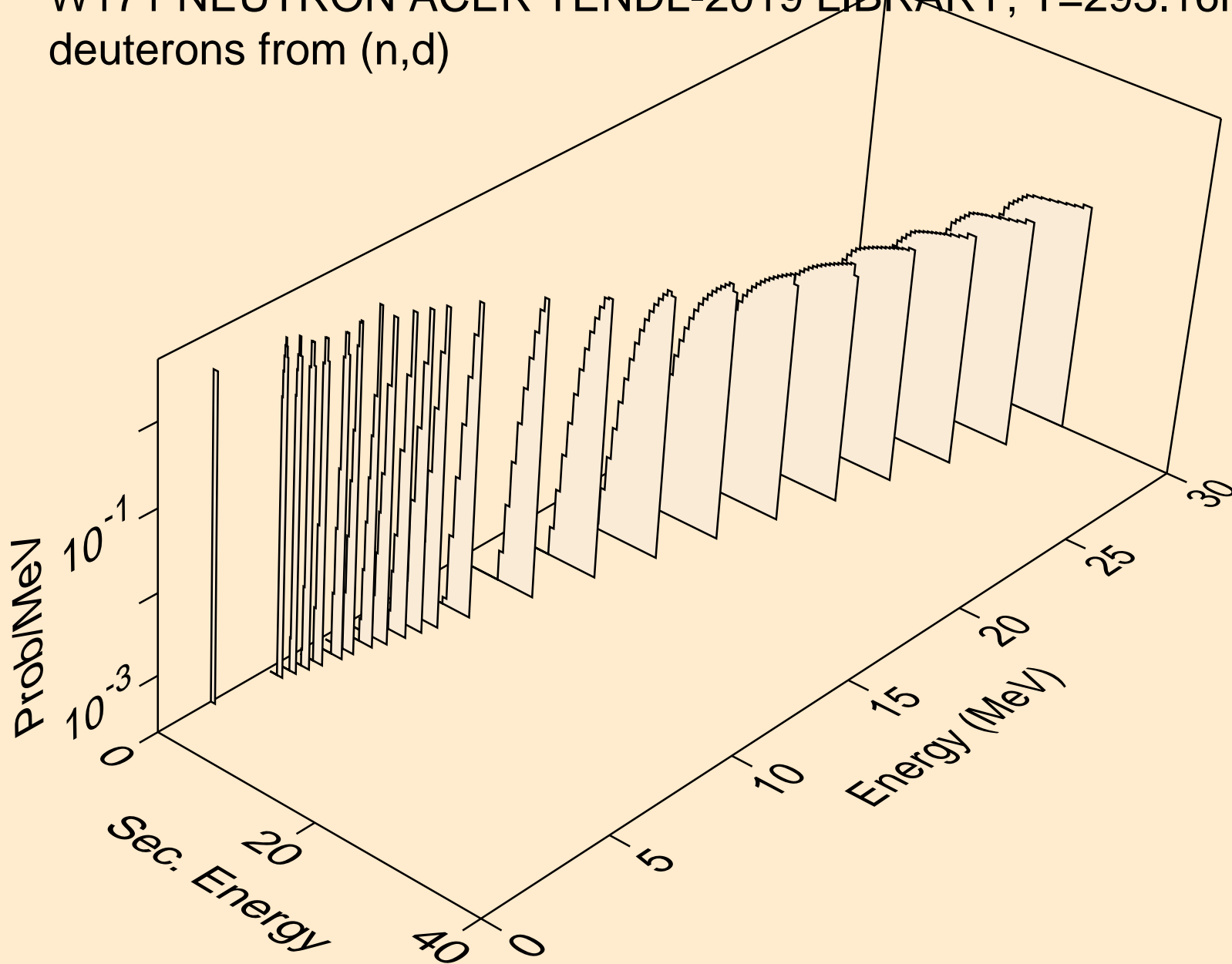
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



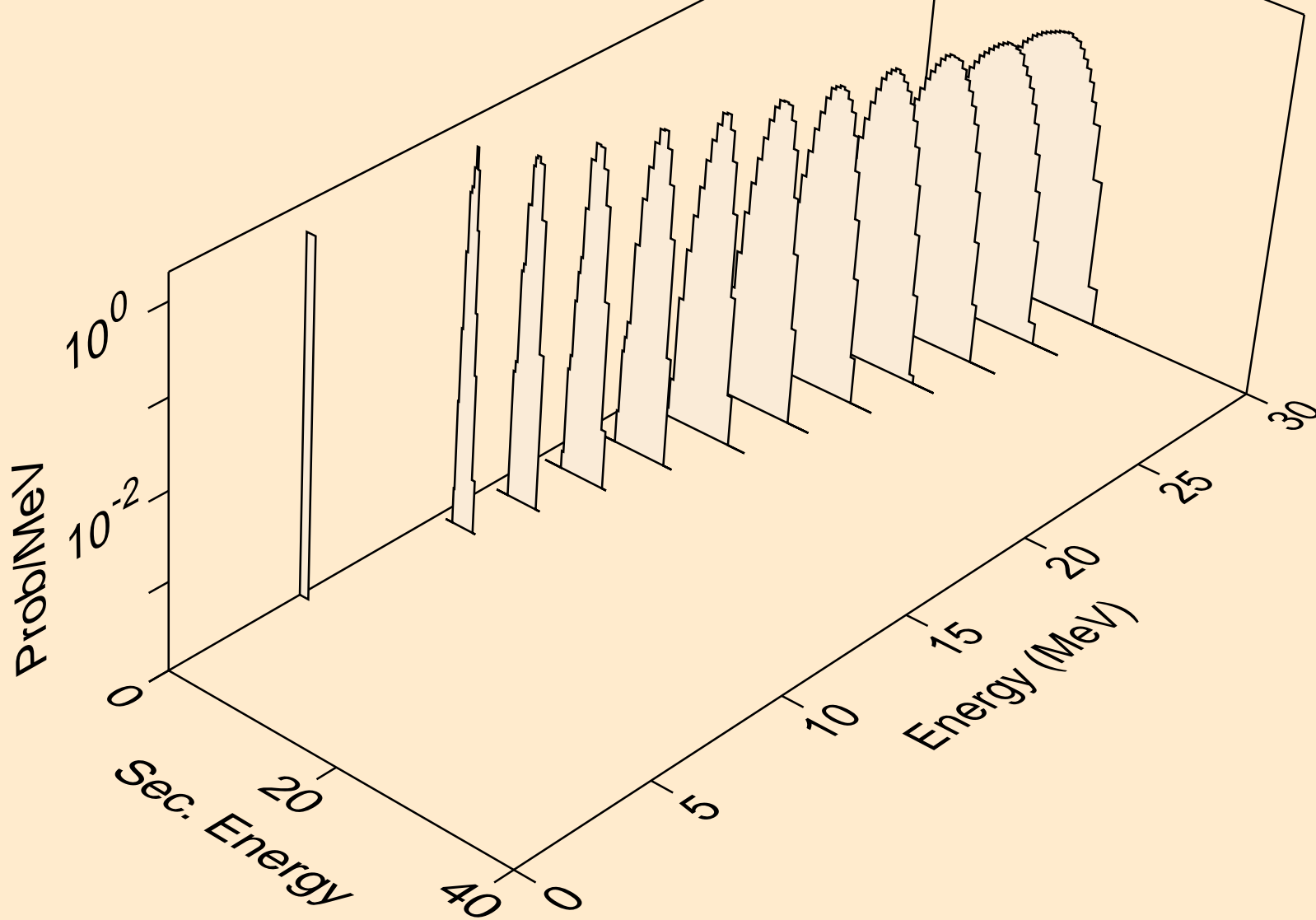
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



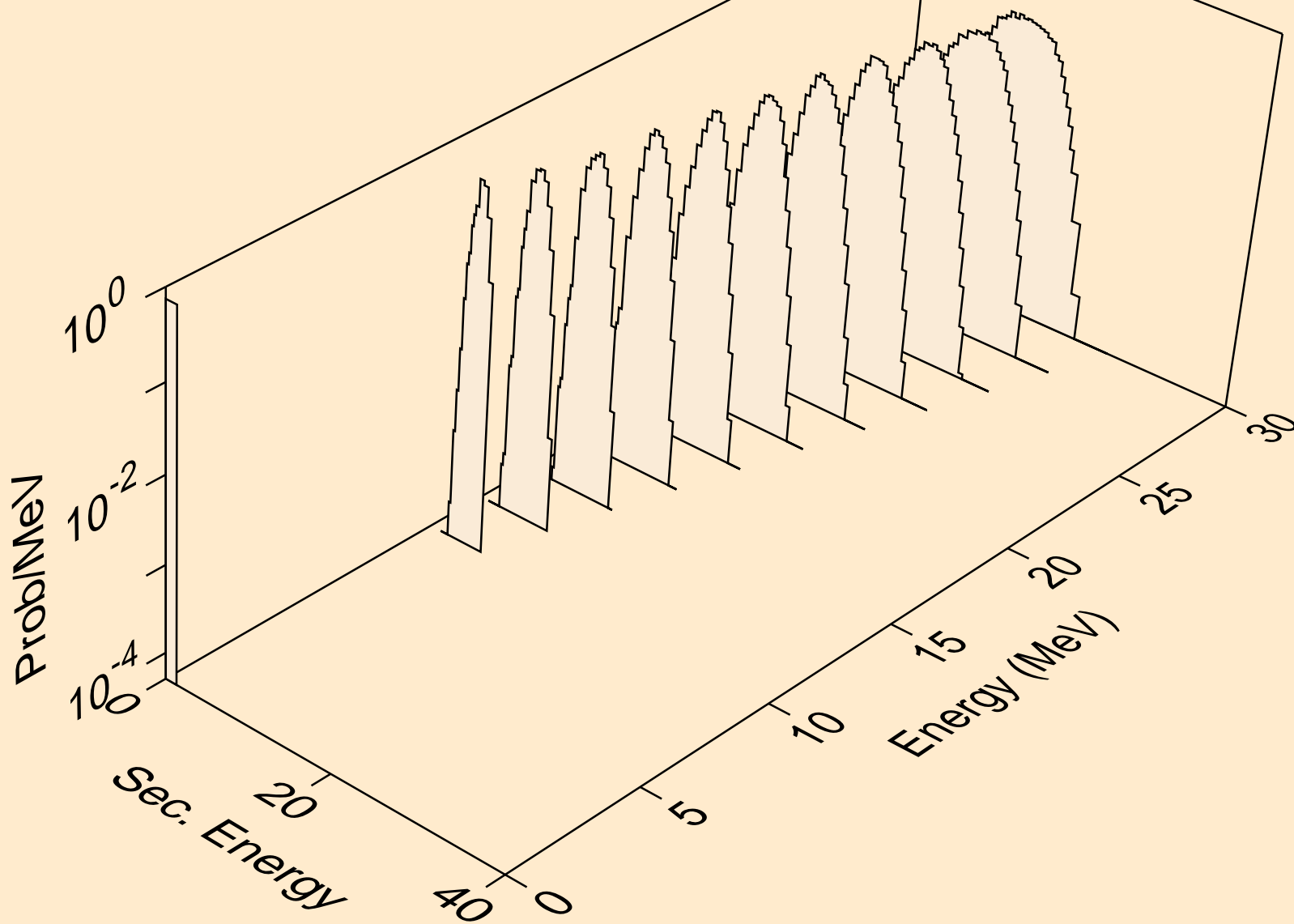
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



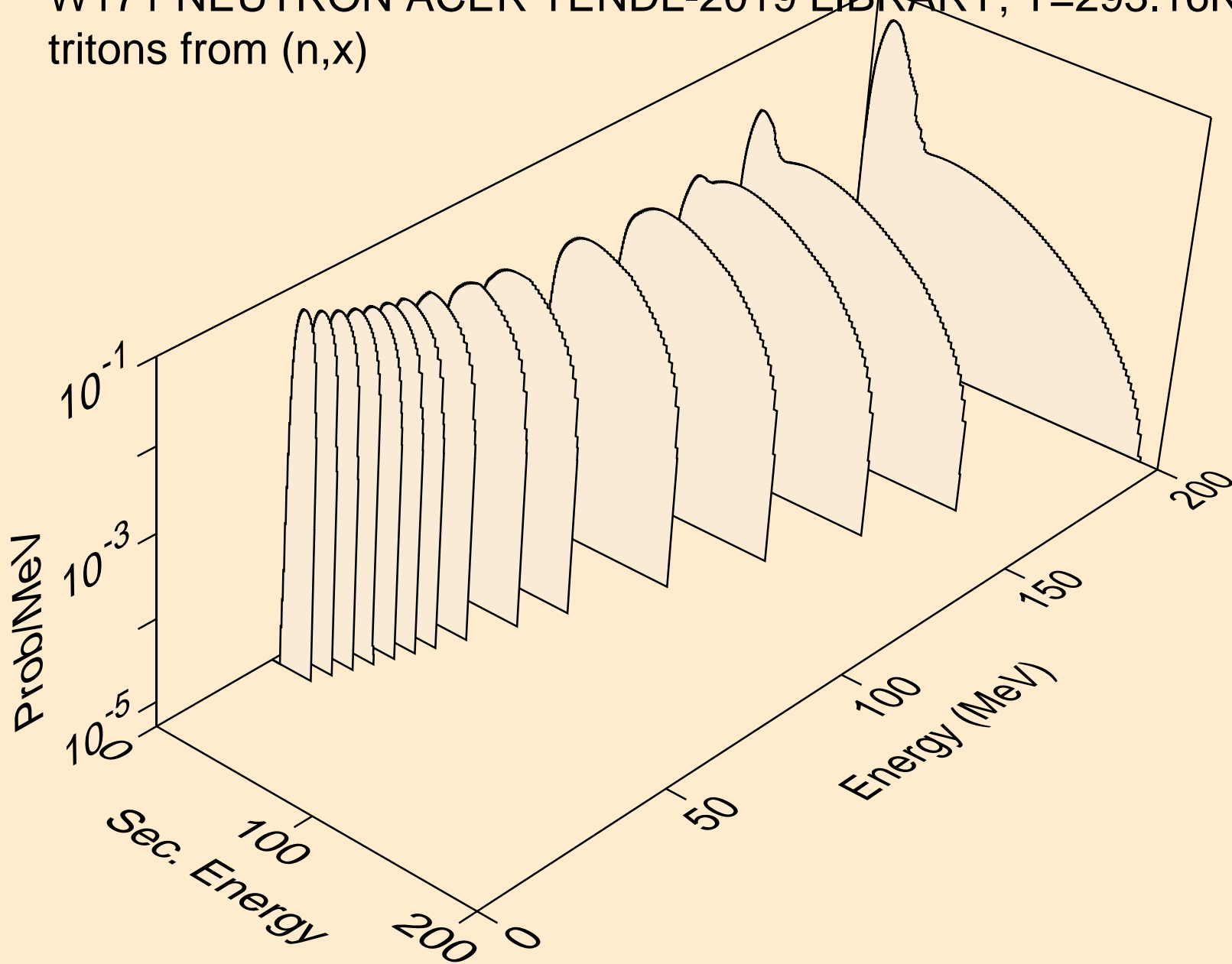
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

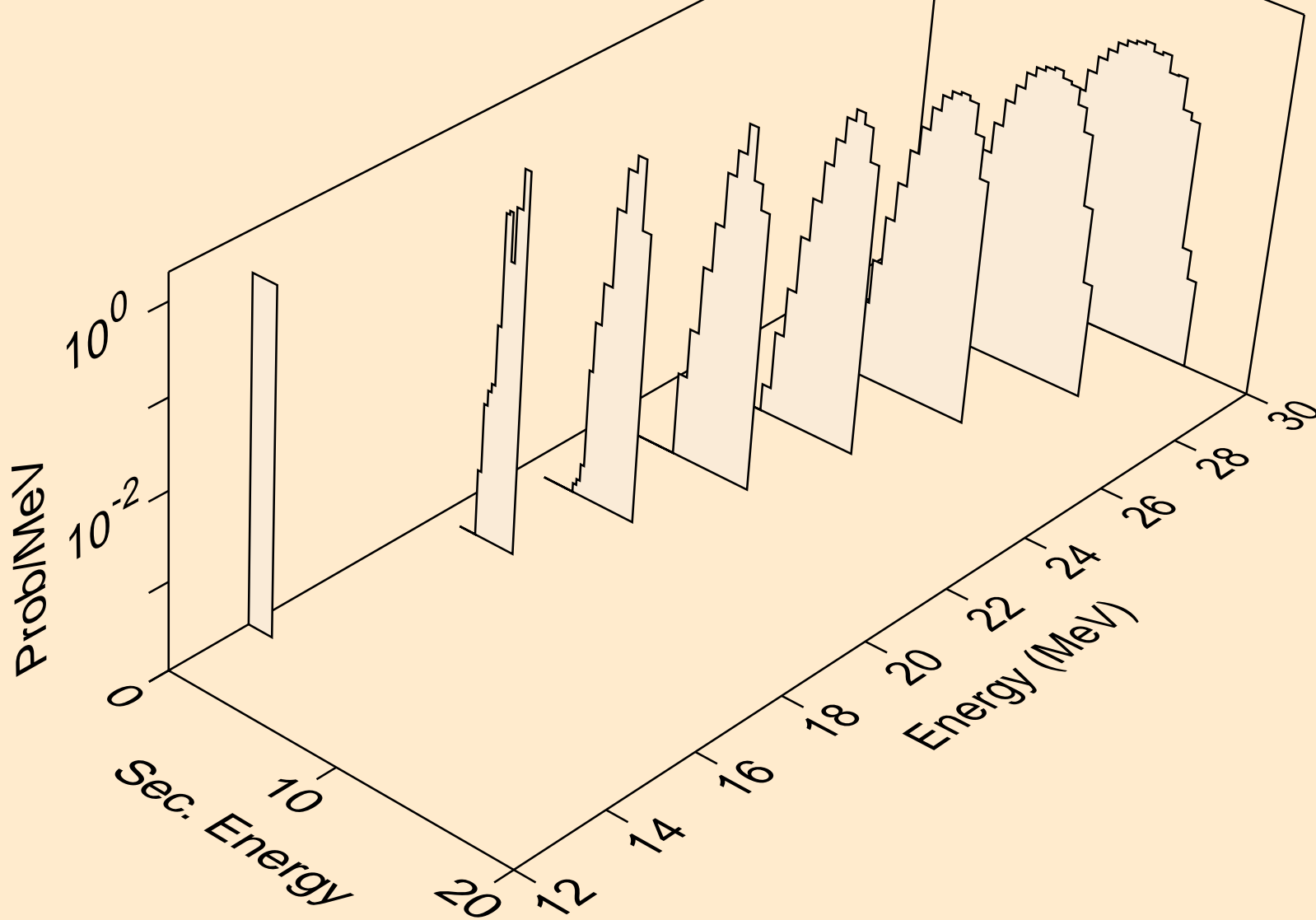


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

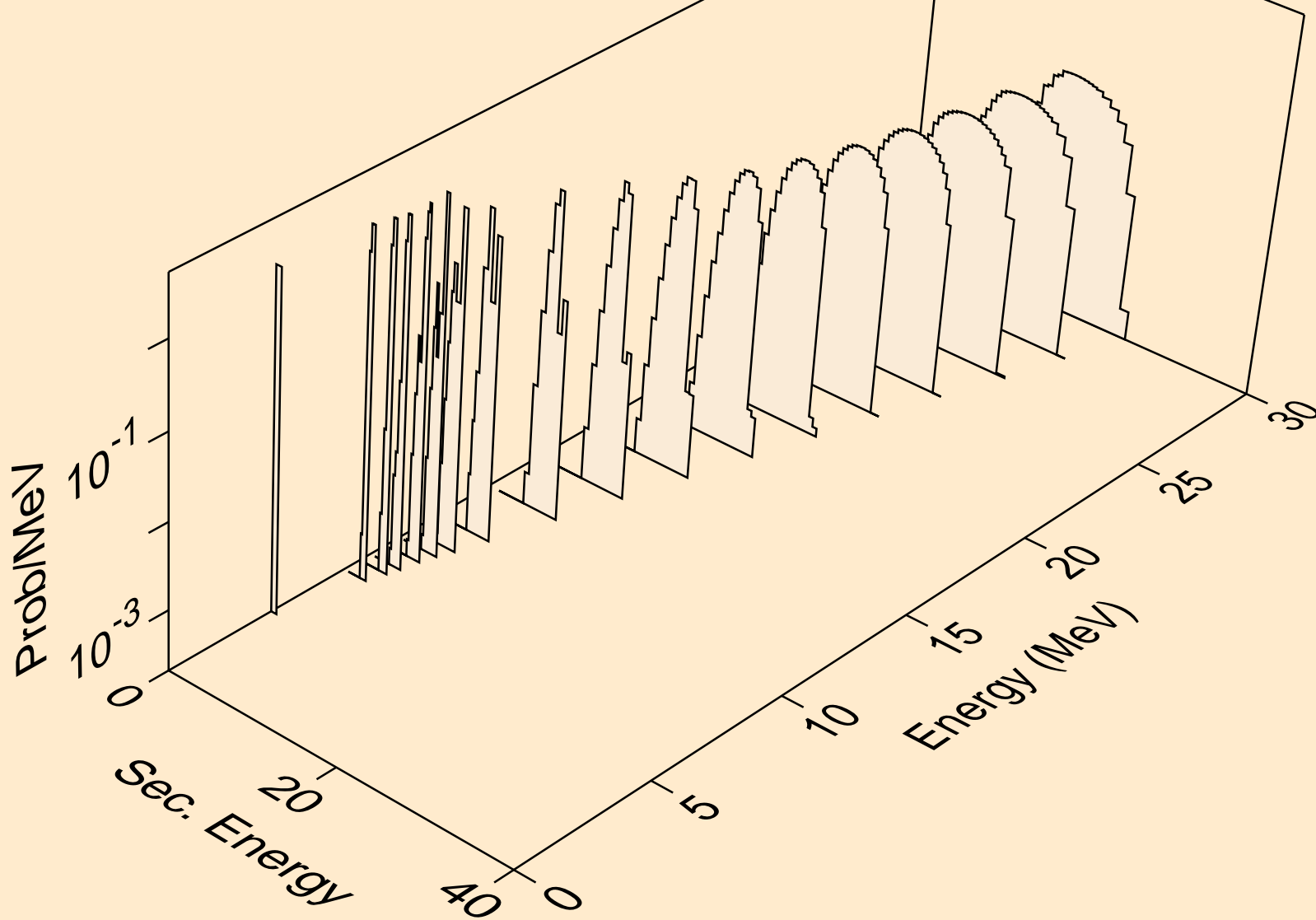




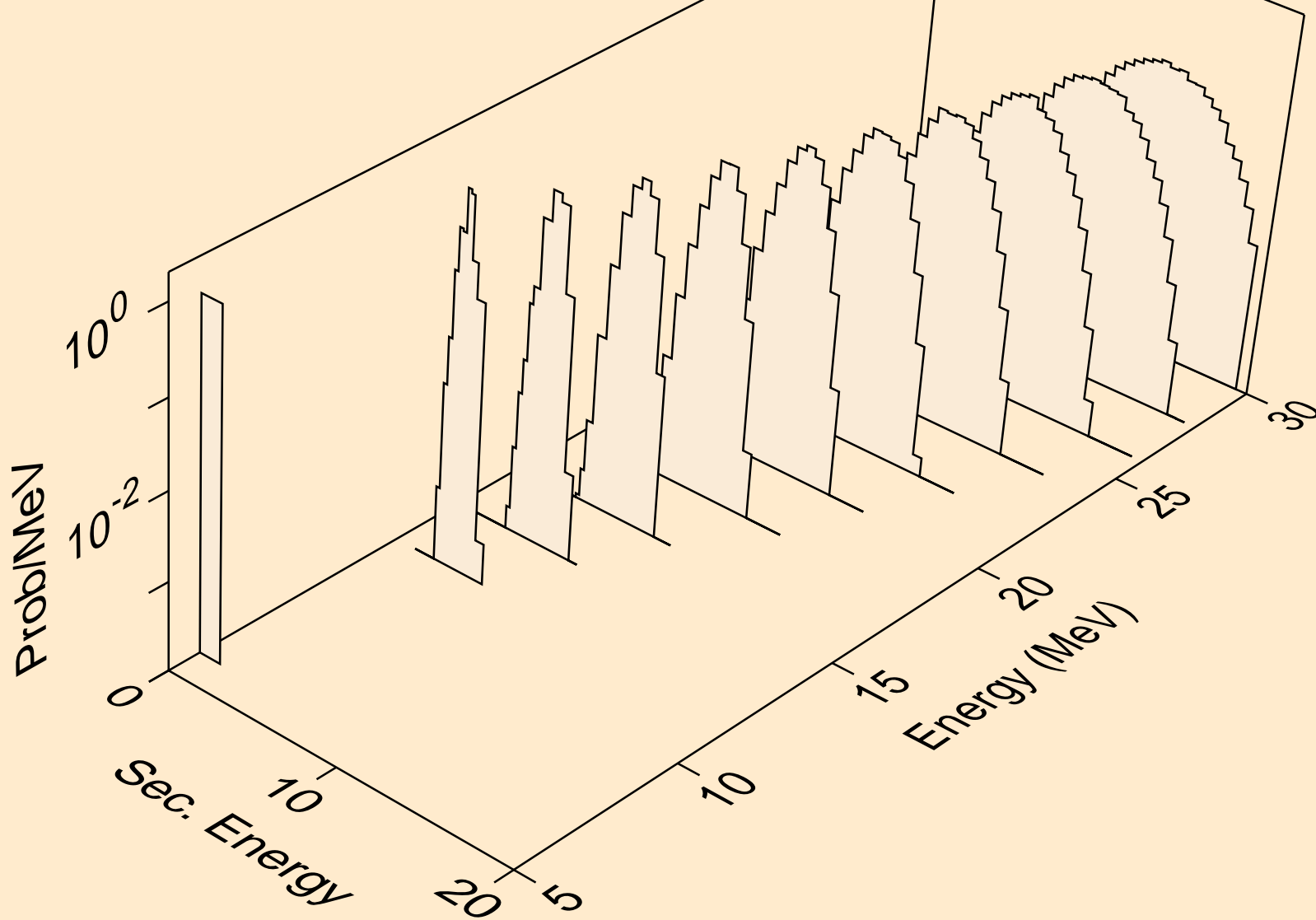
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



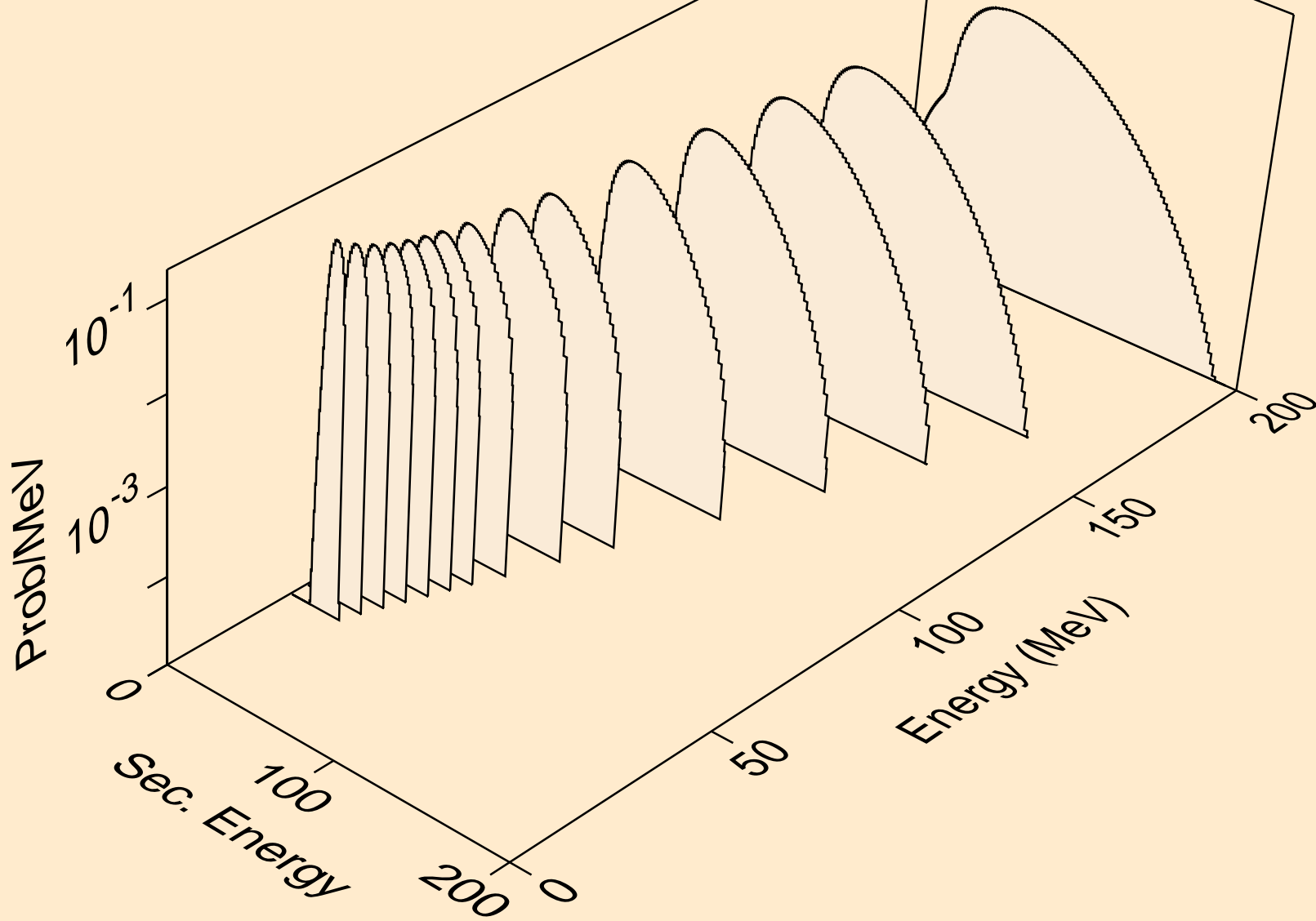
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



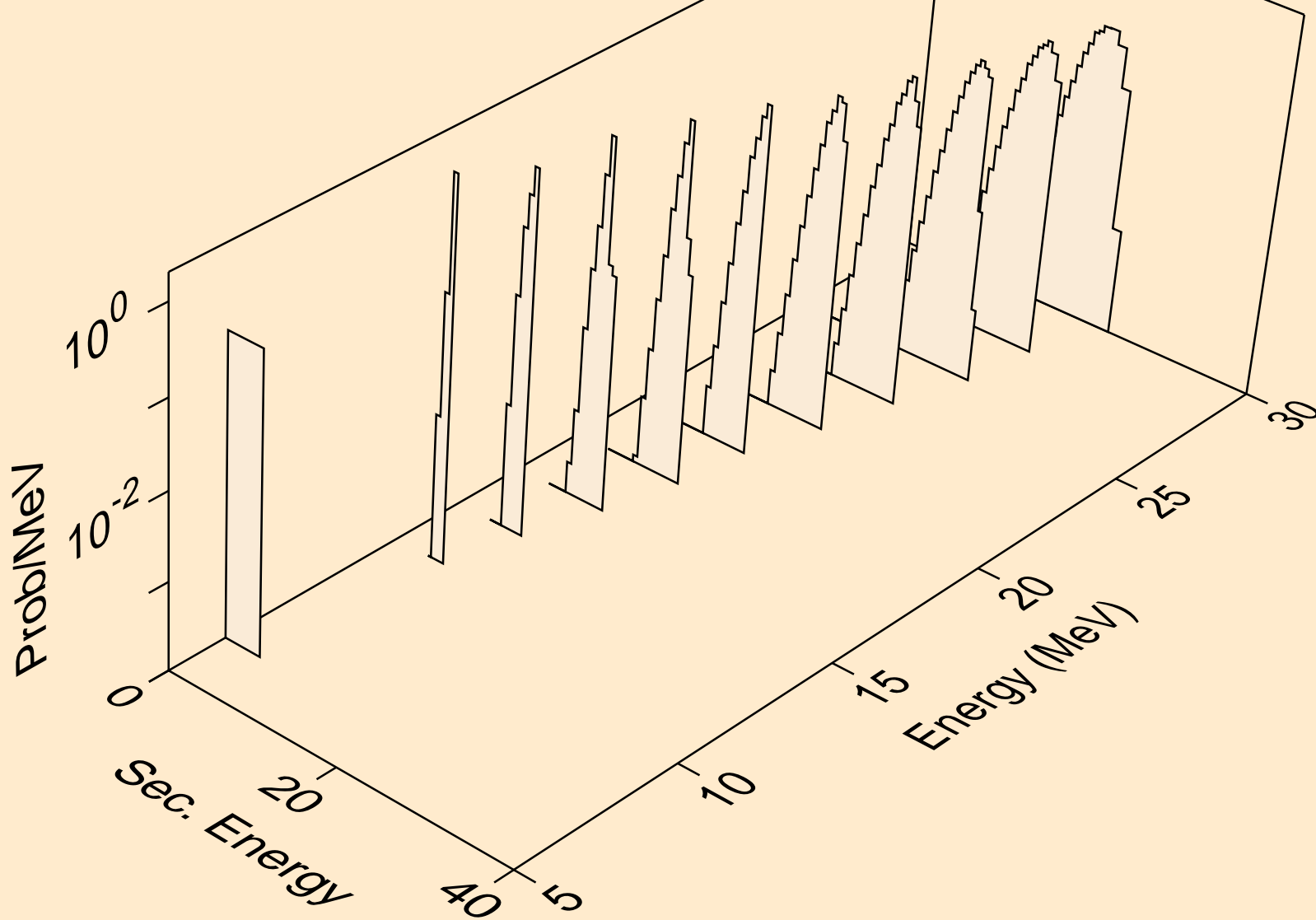
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



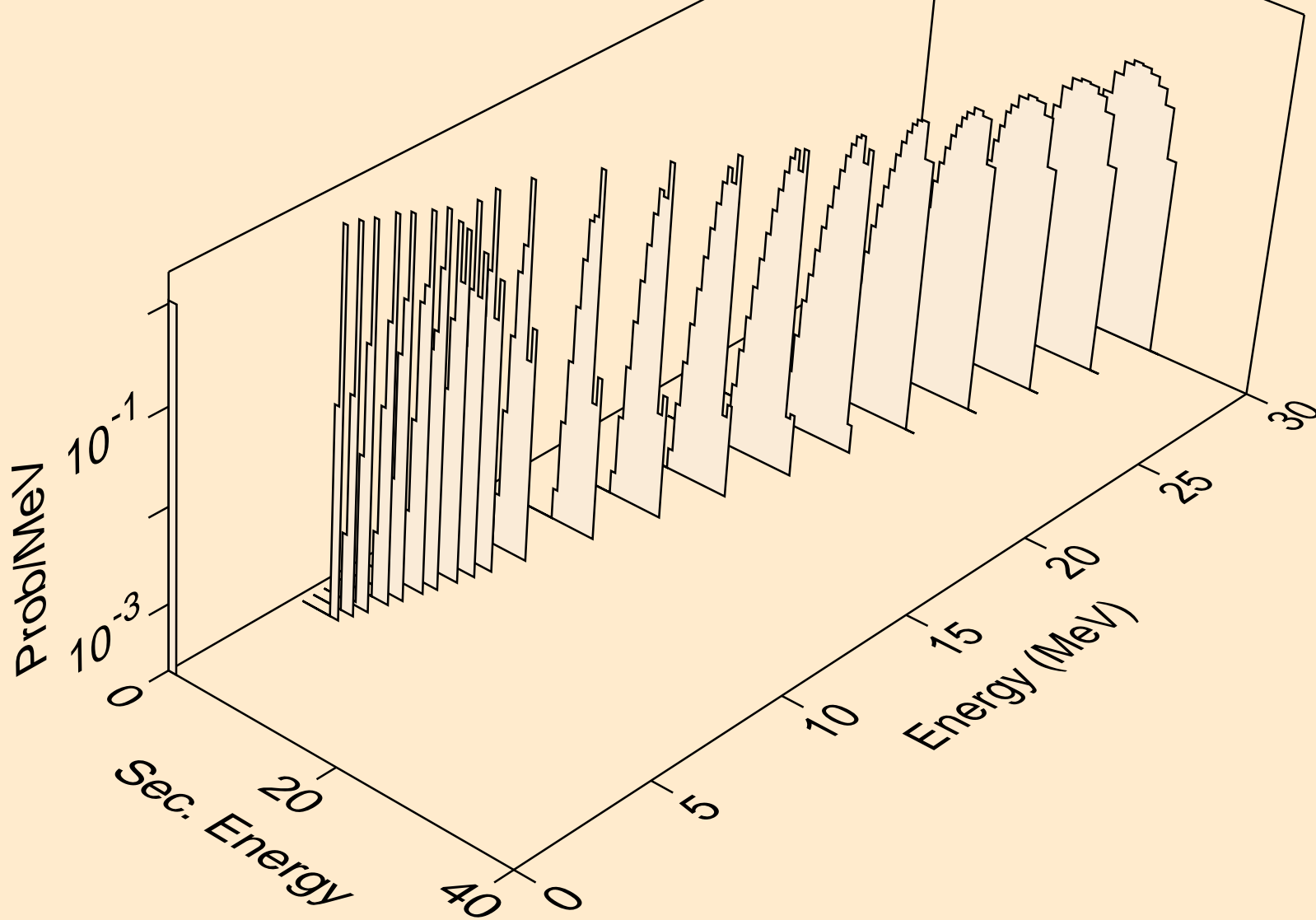
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



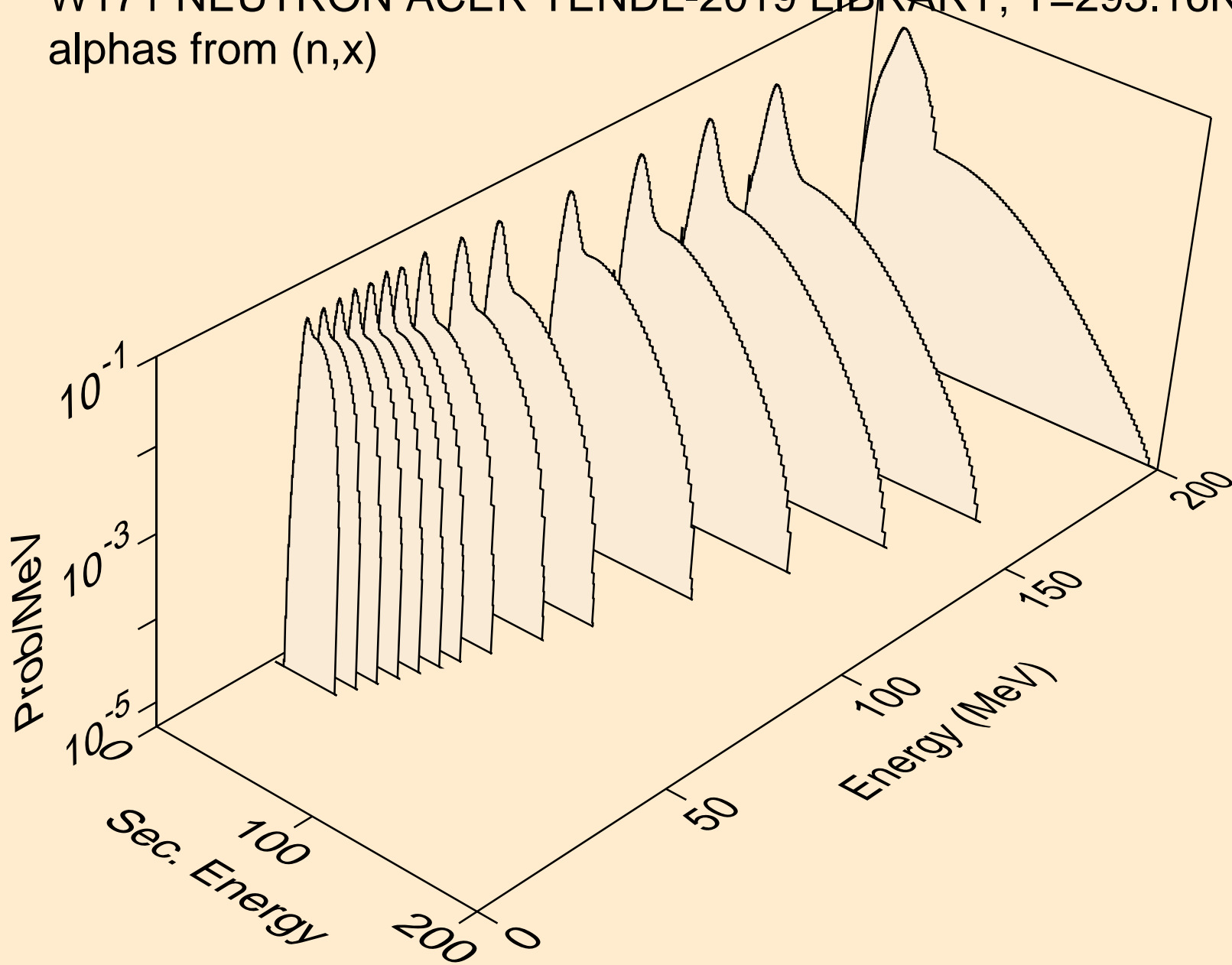
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



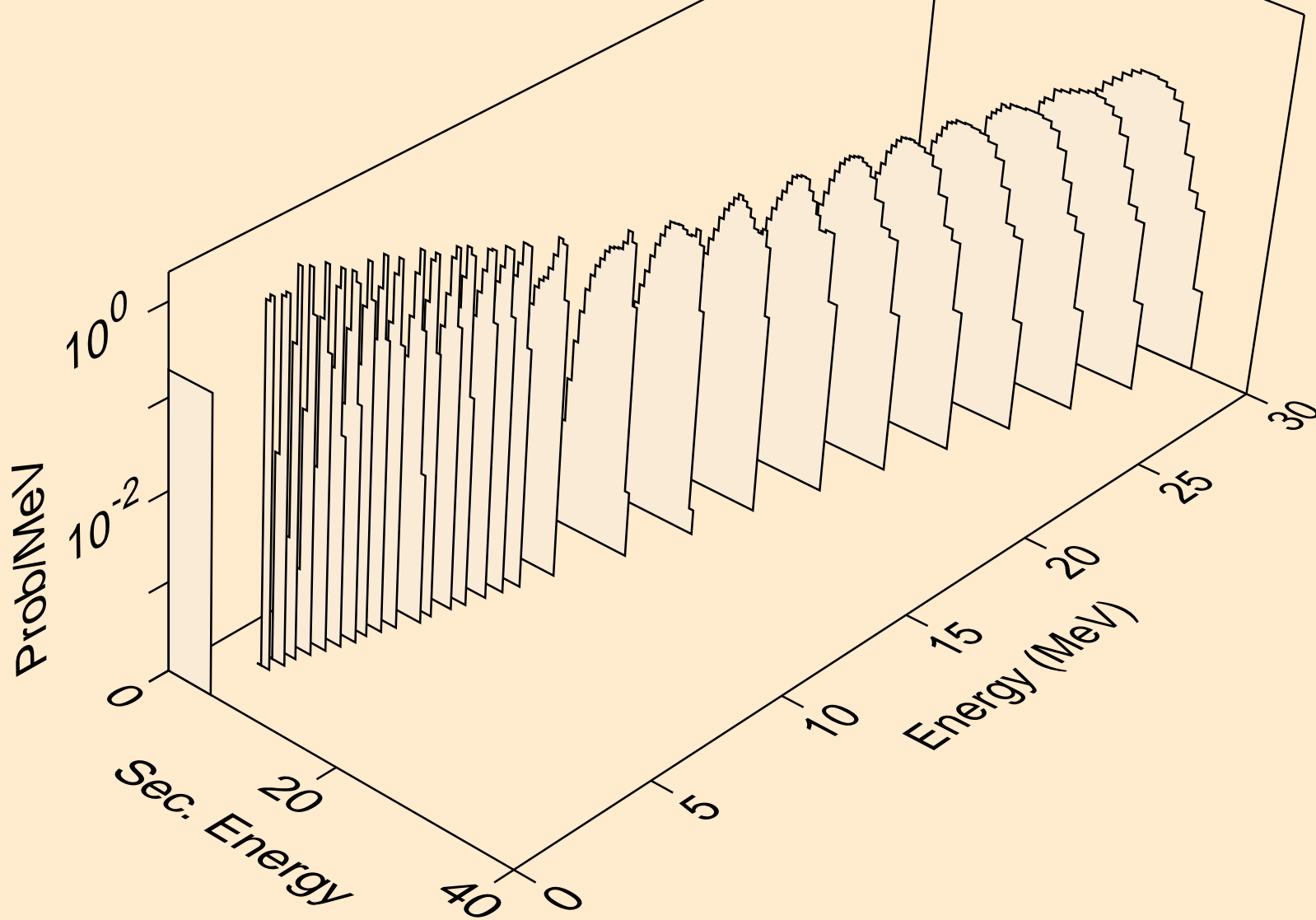
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

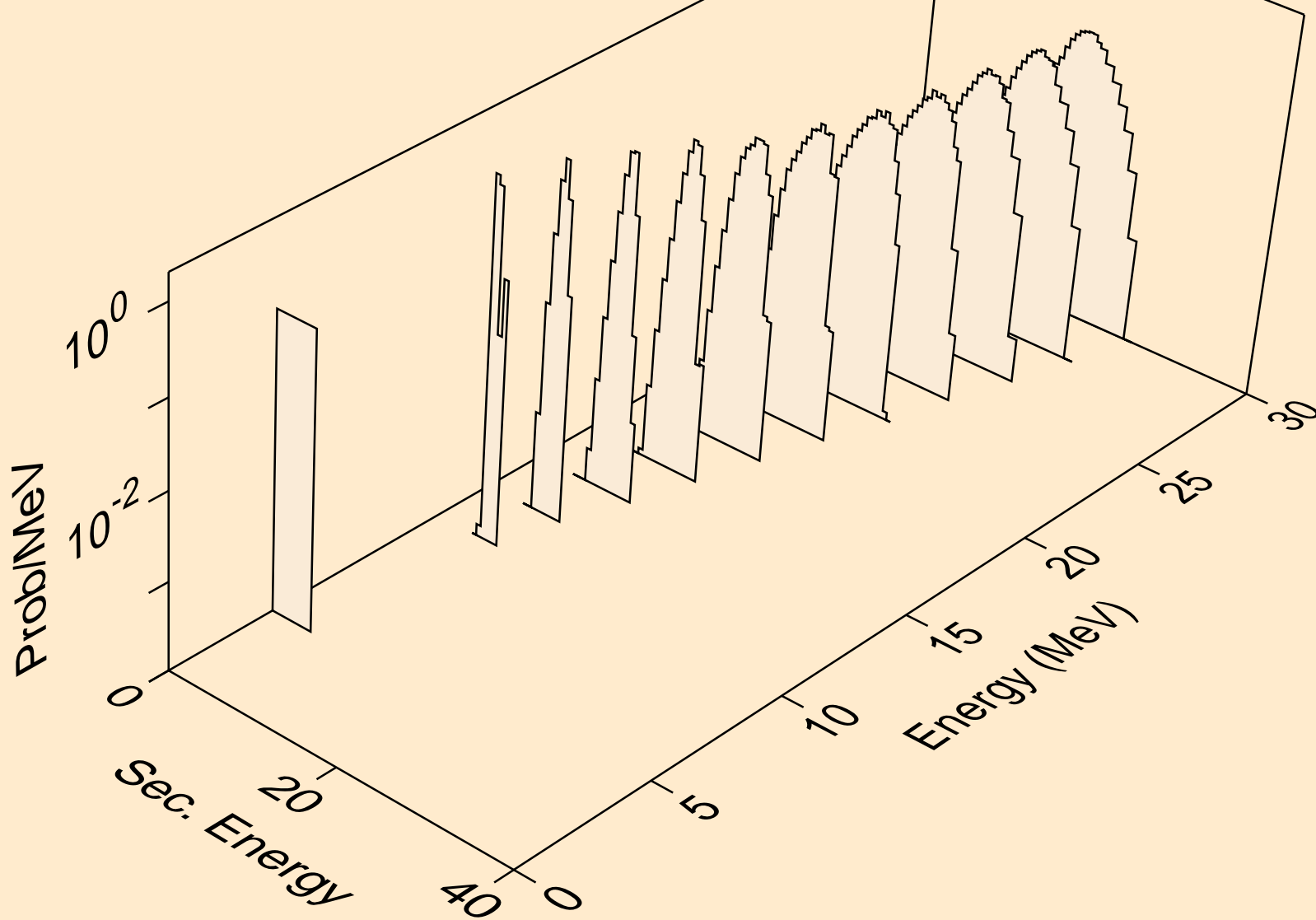


W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

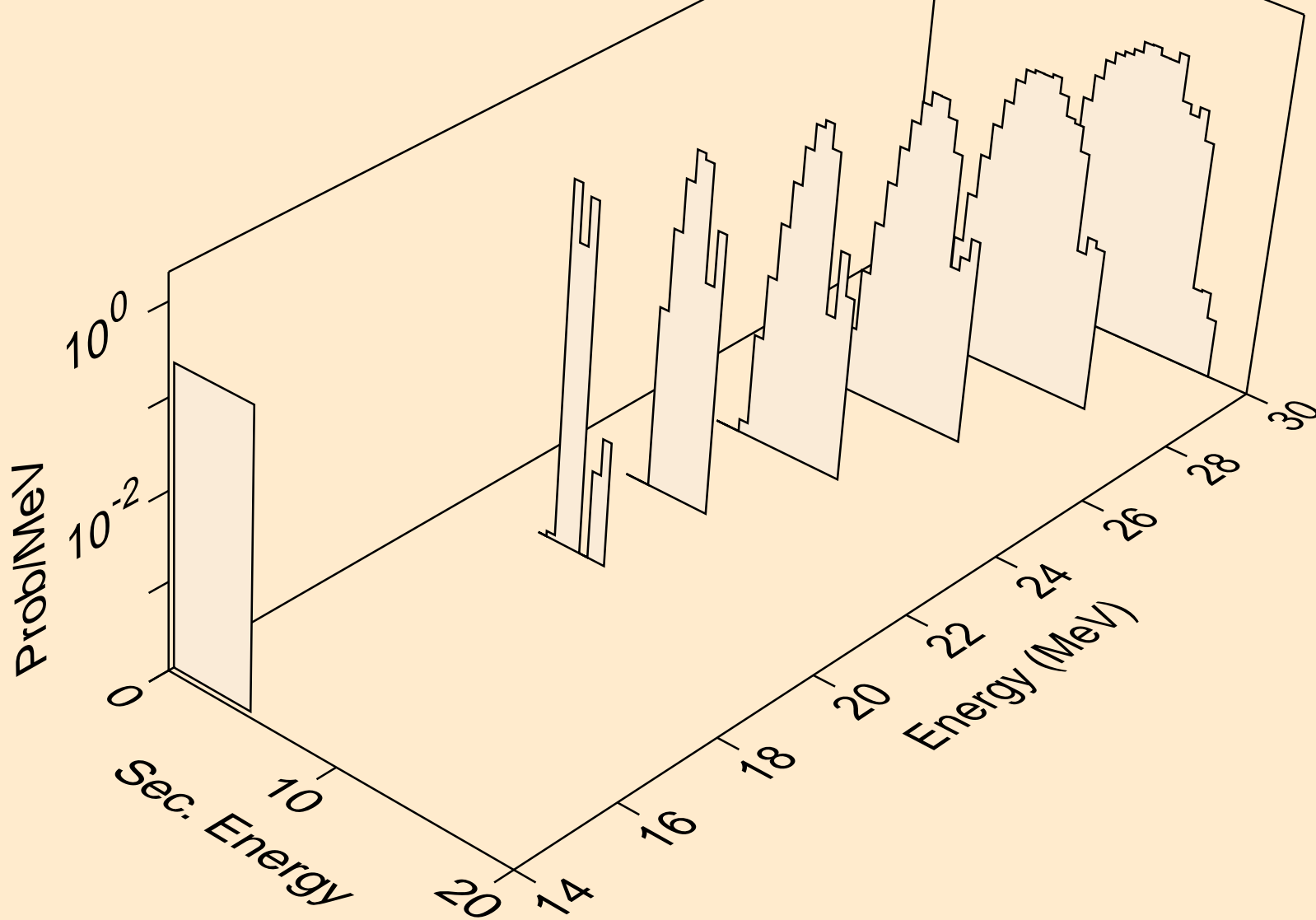




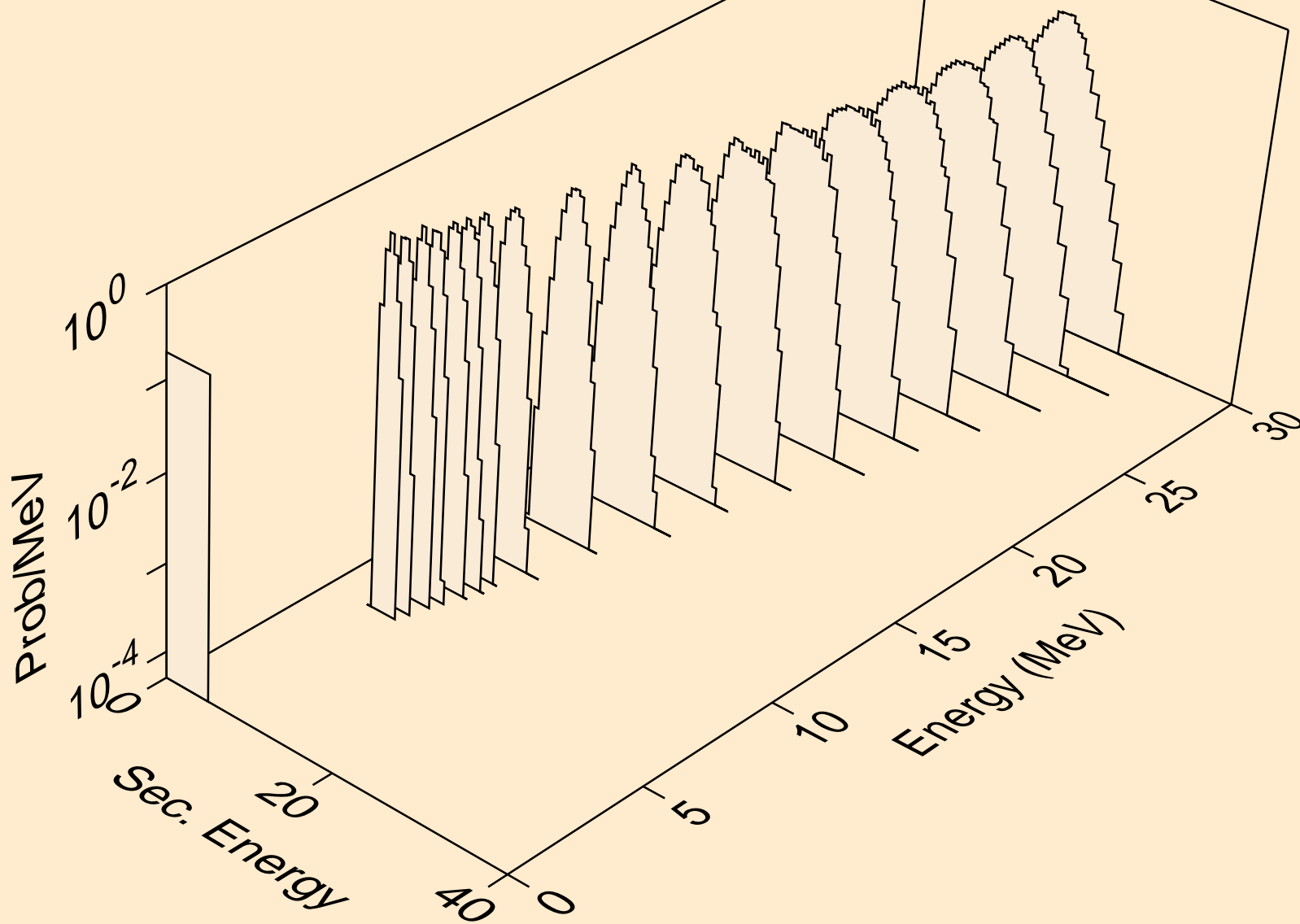
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



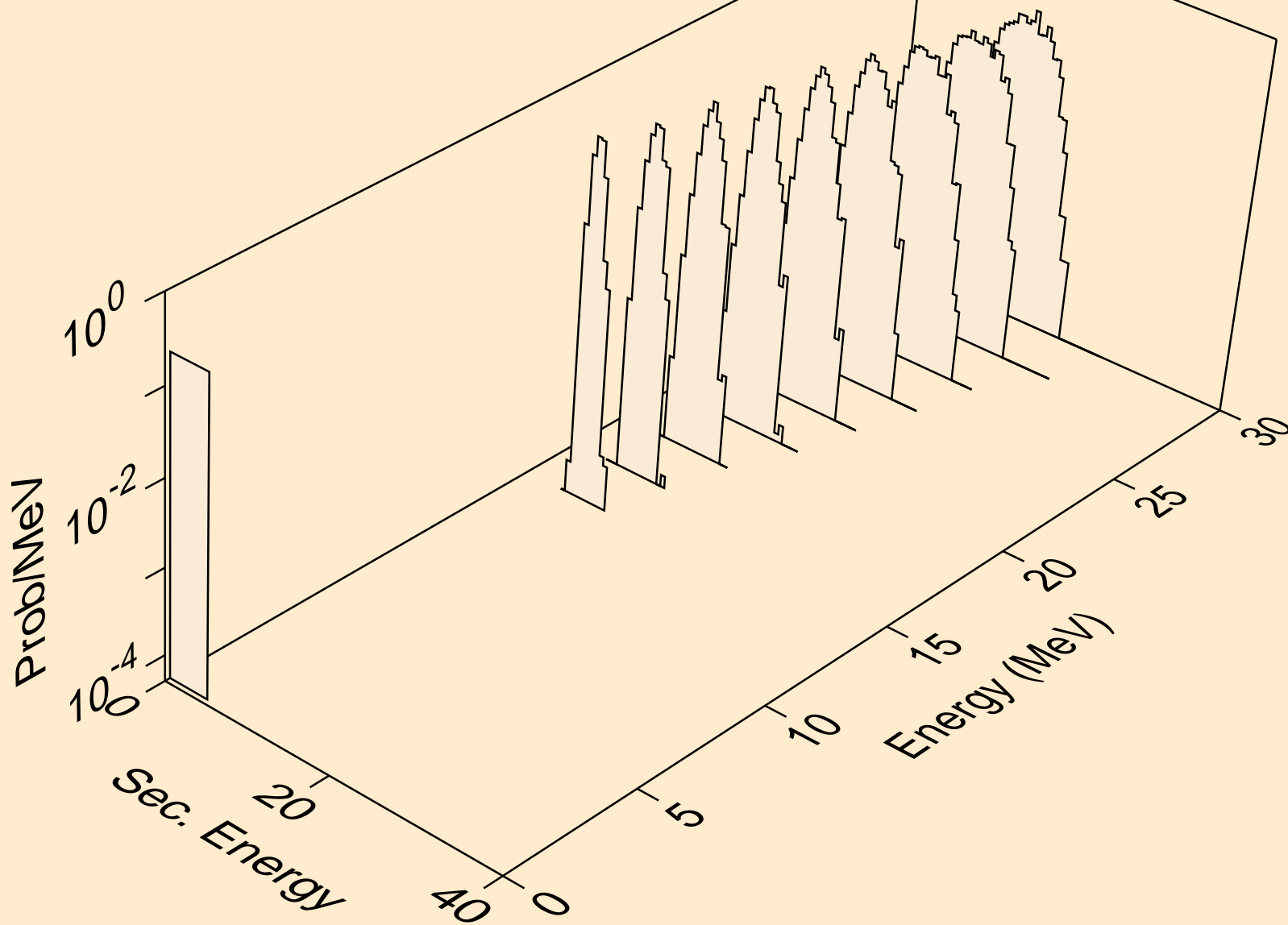
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



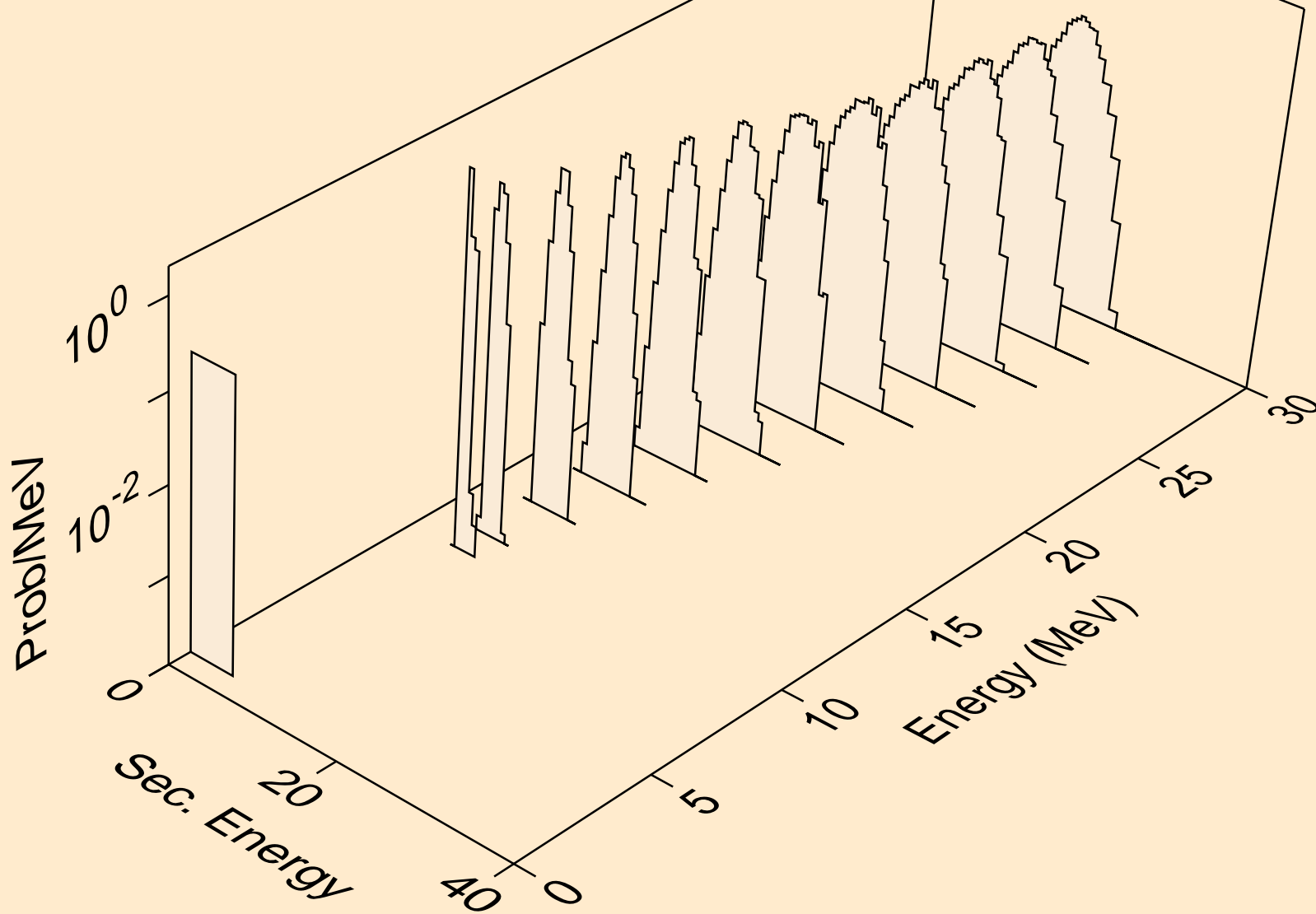
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



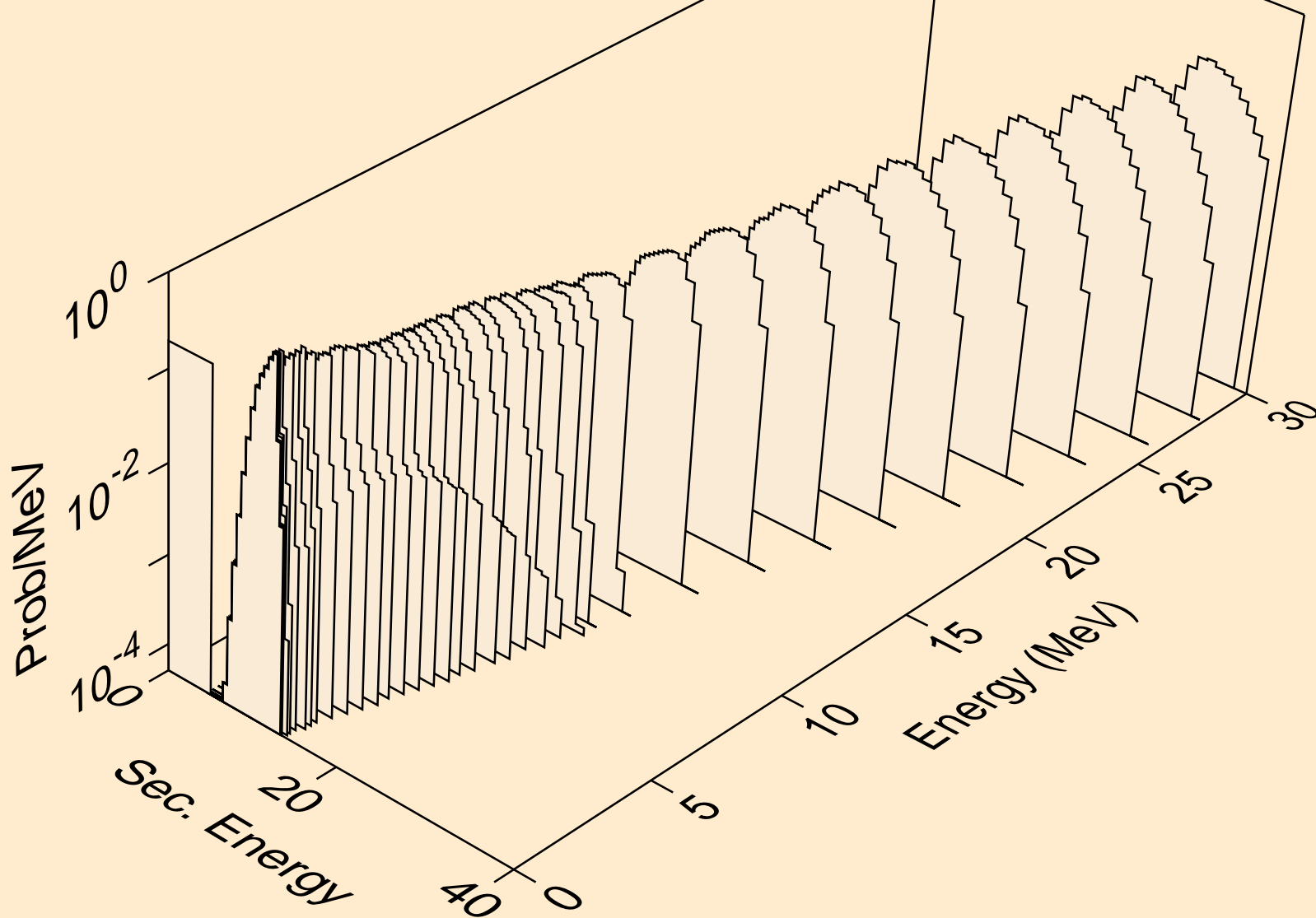
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



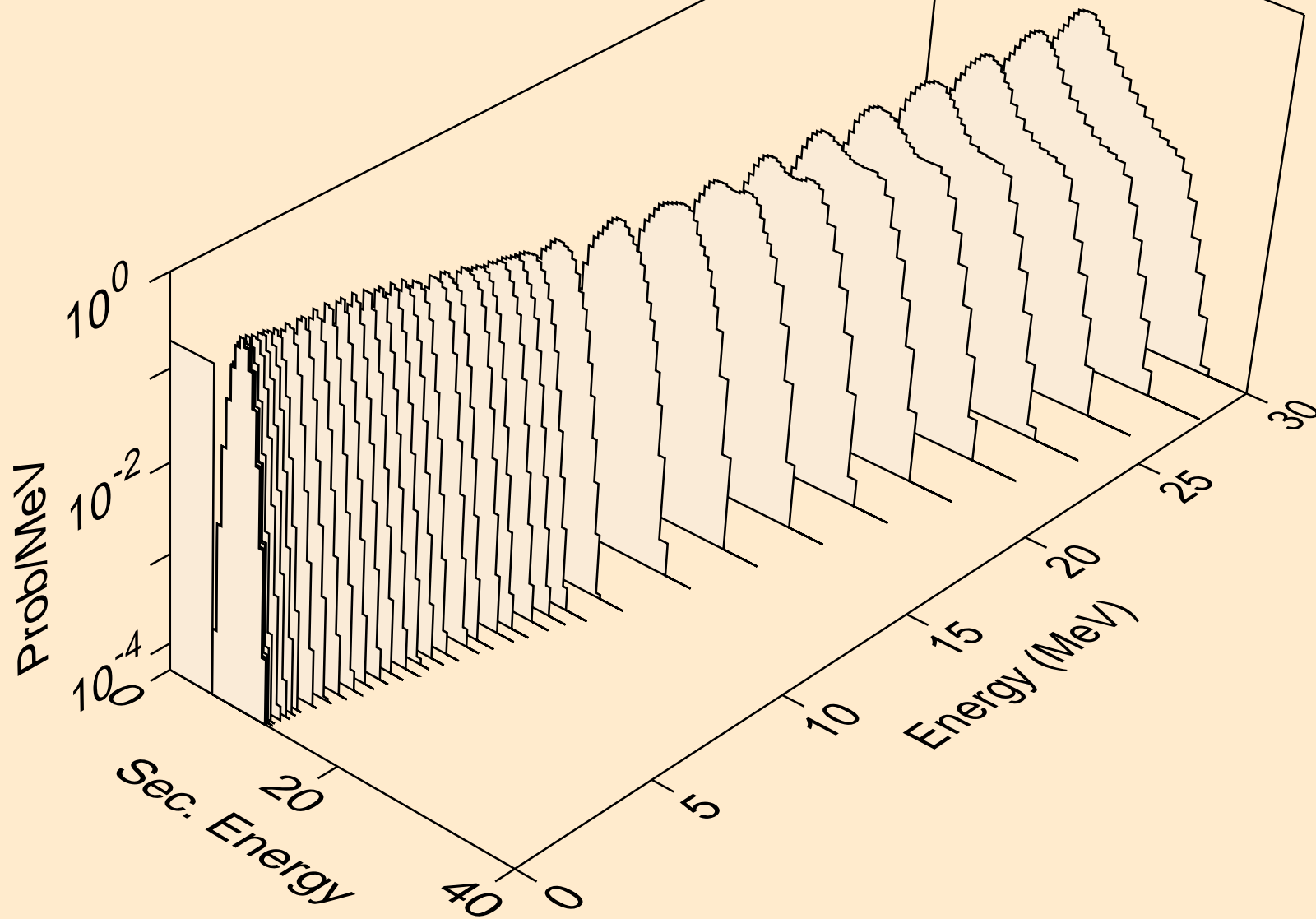
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



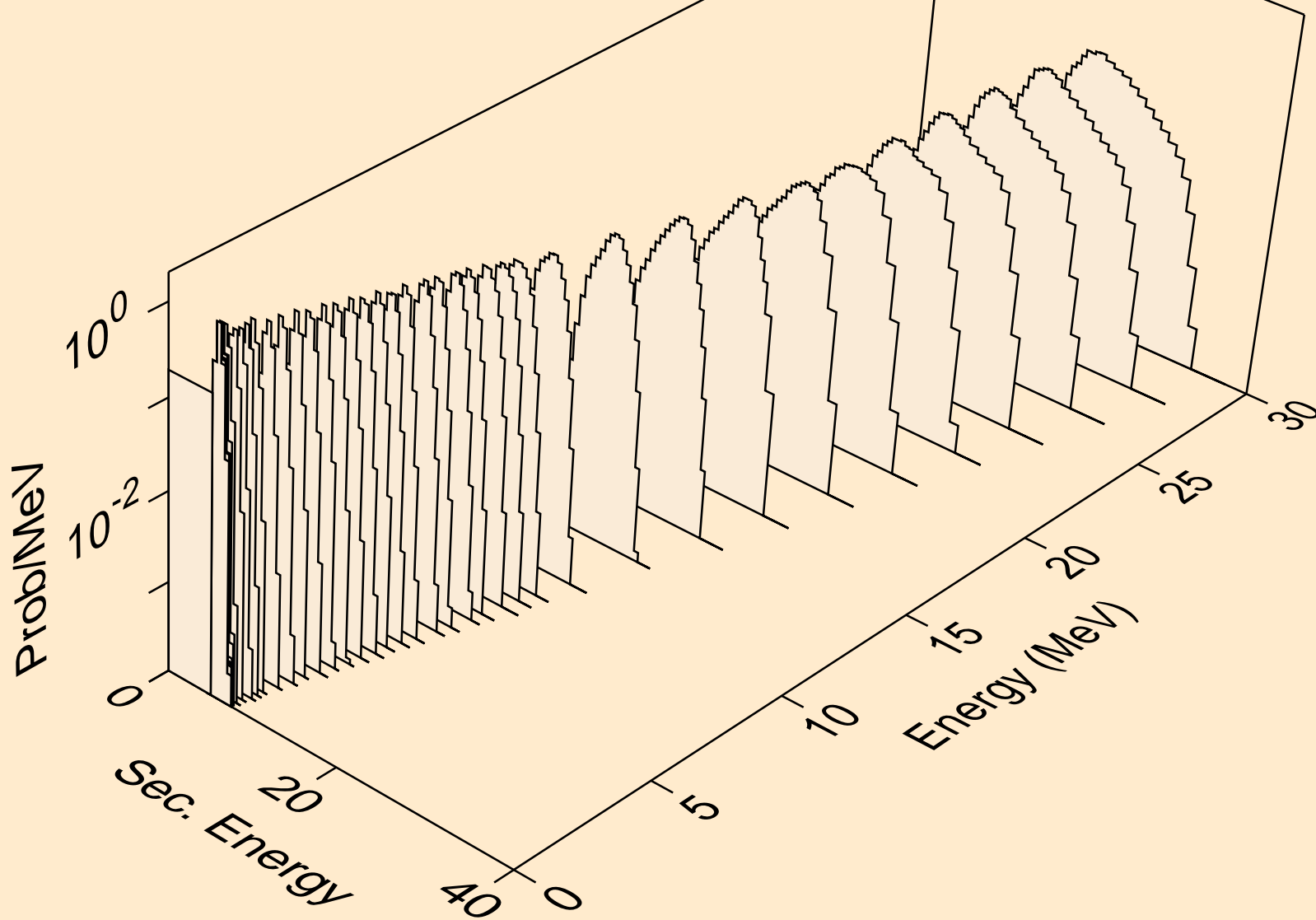
W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)





W171 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

