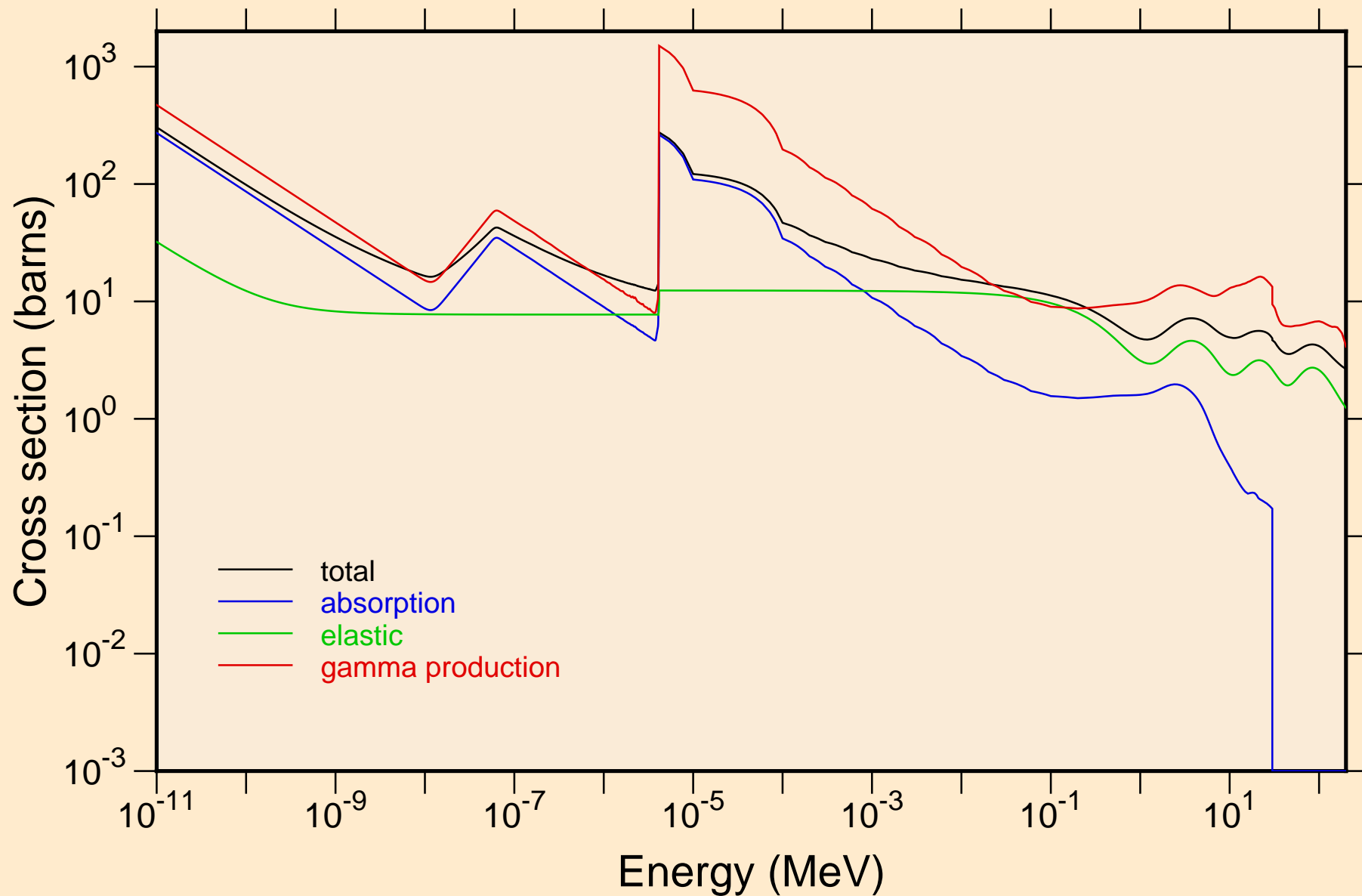
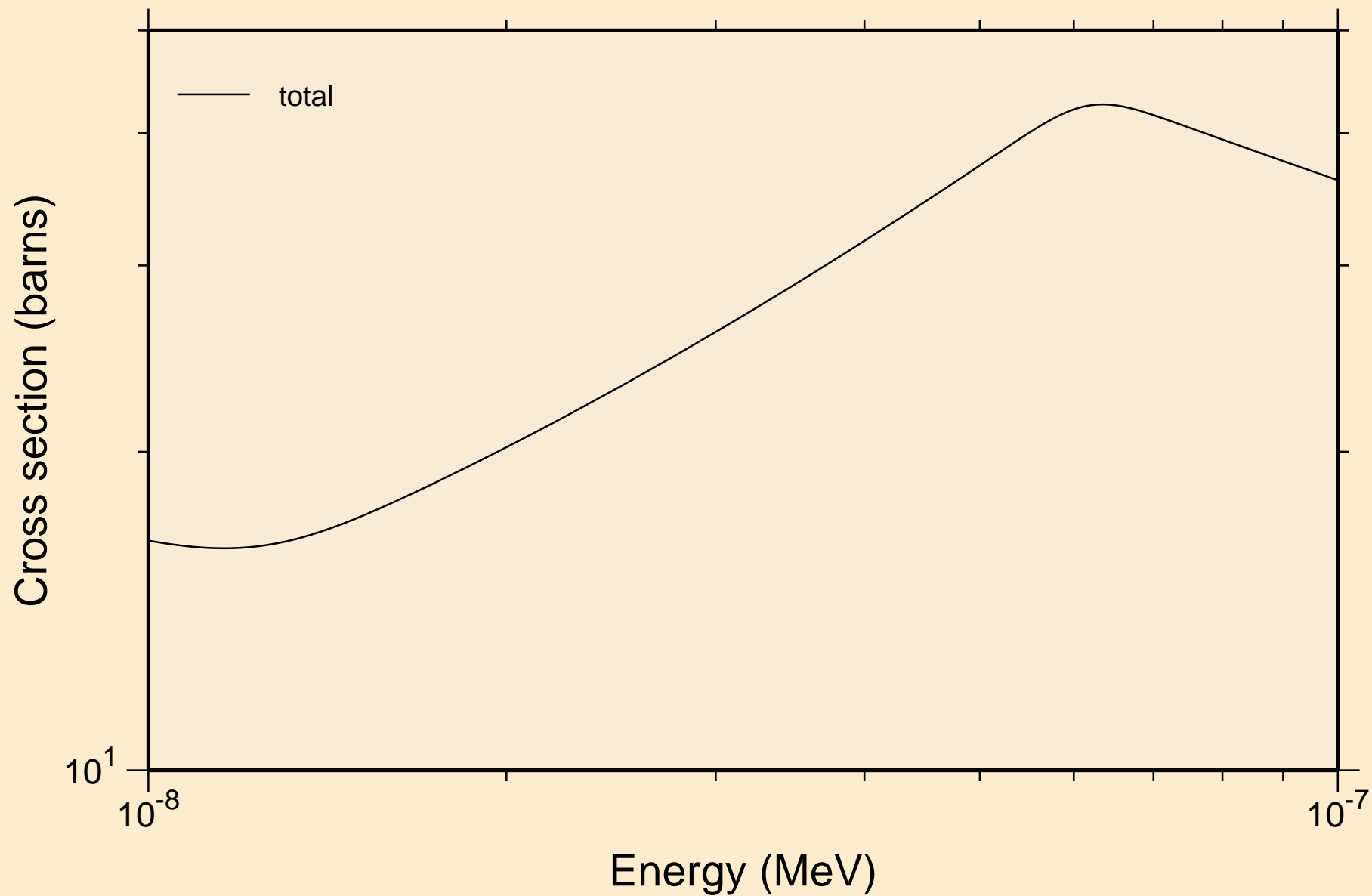


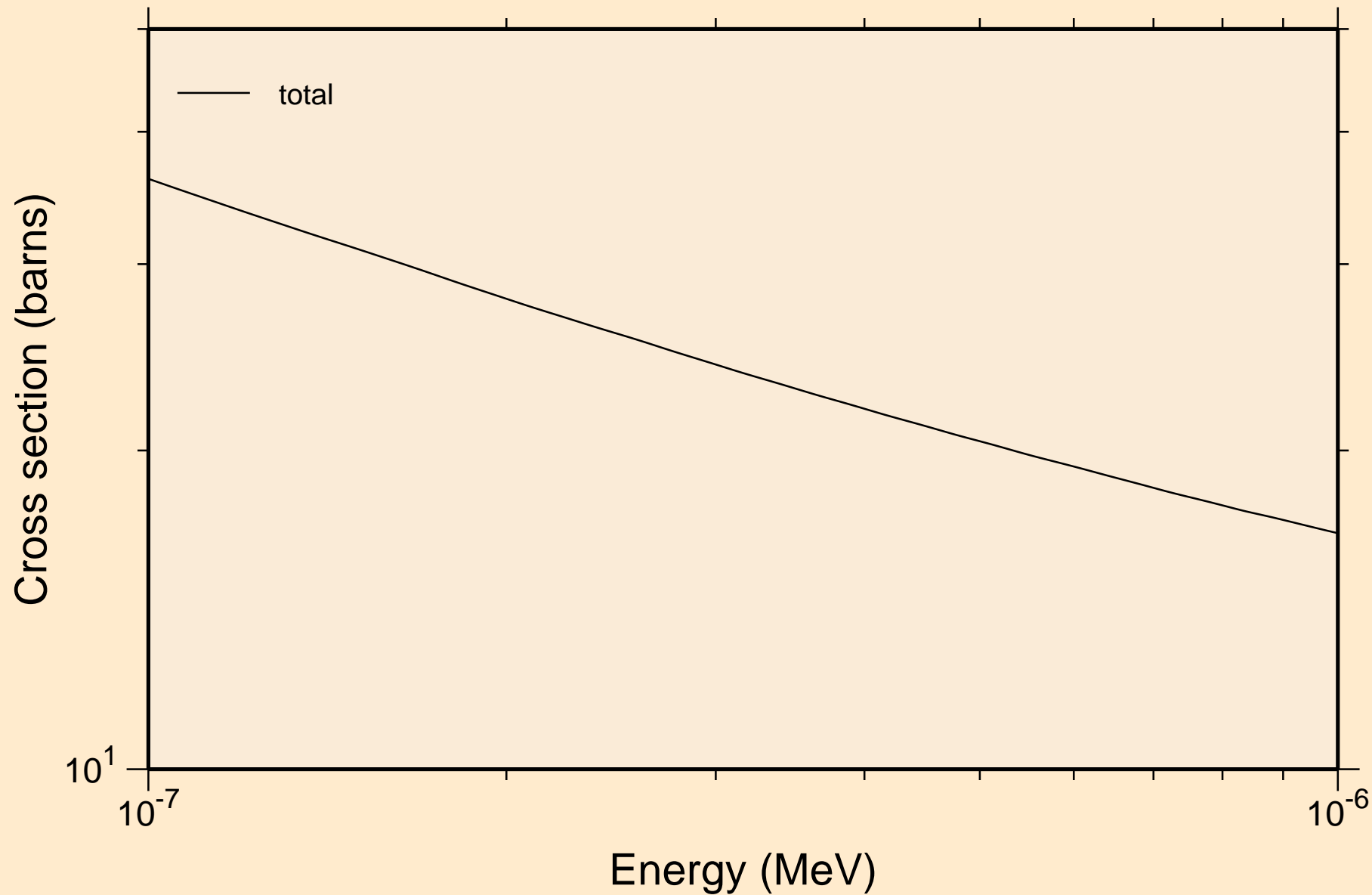
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



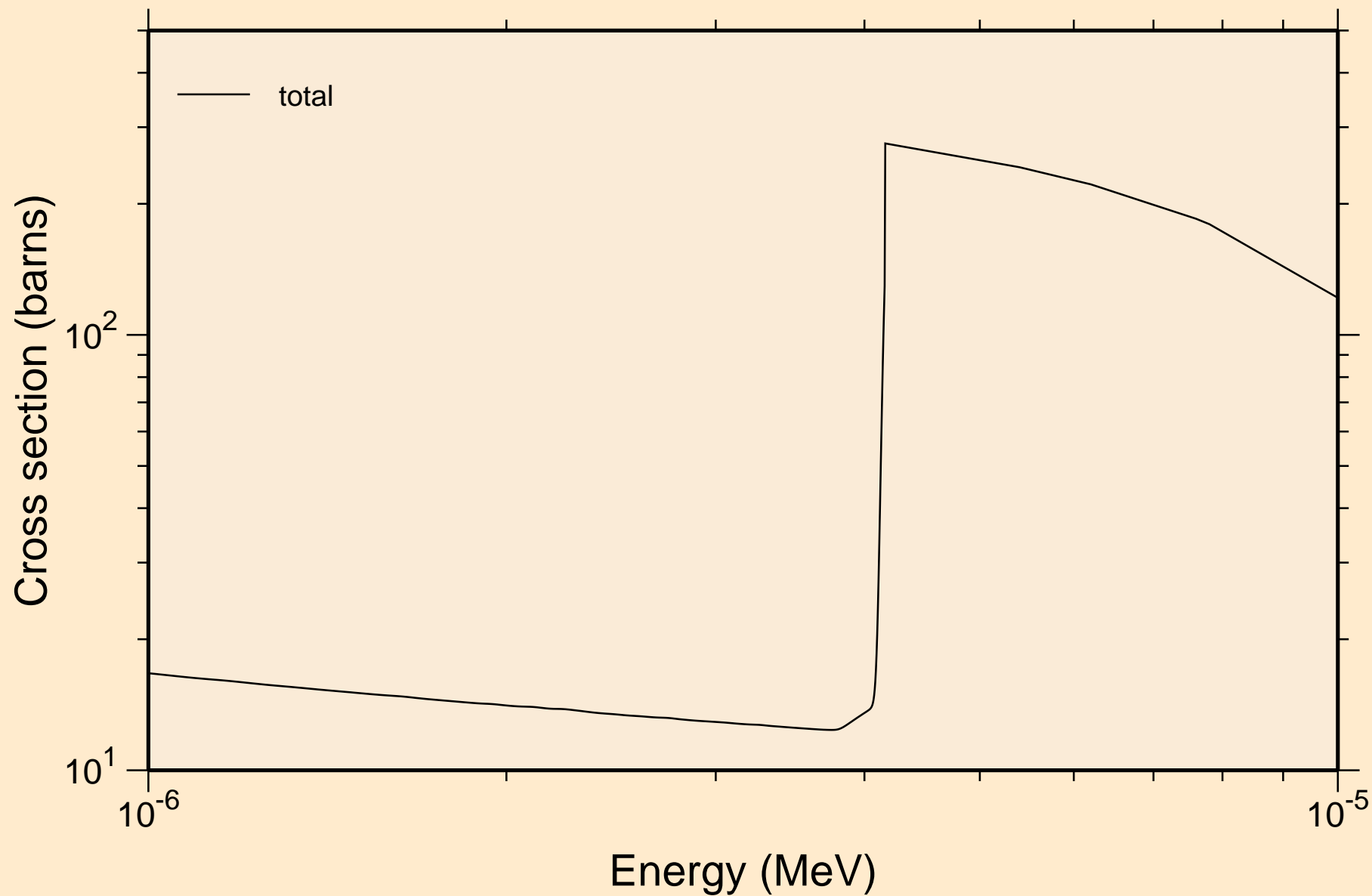
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resonance total cross section



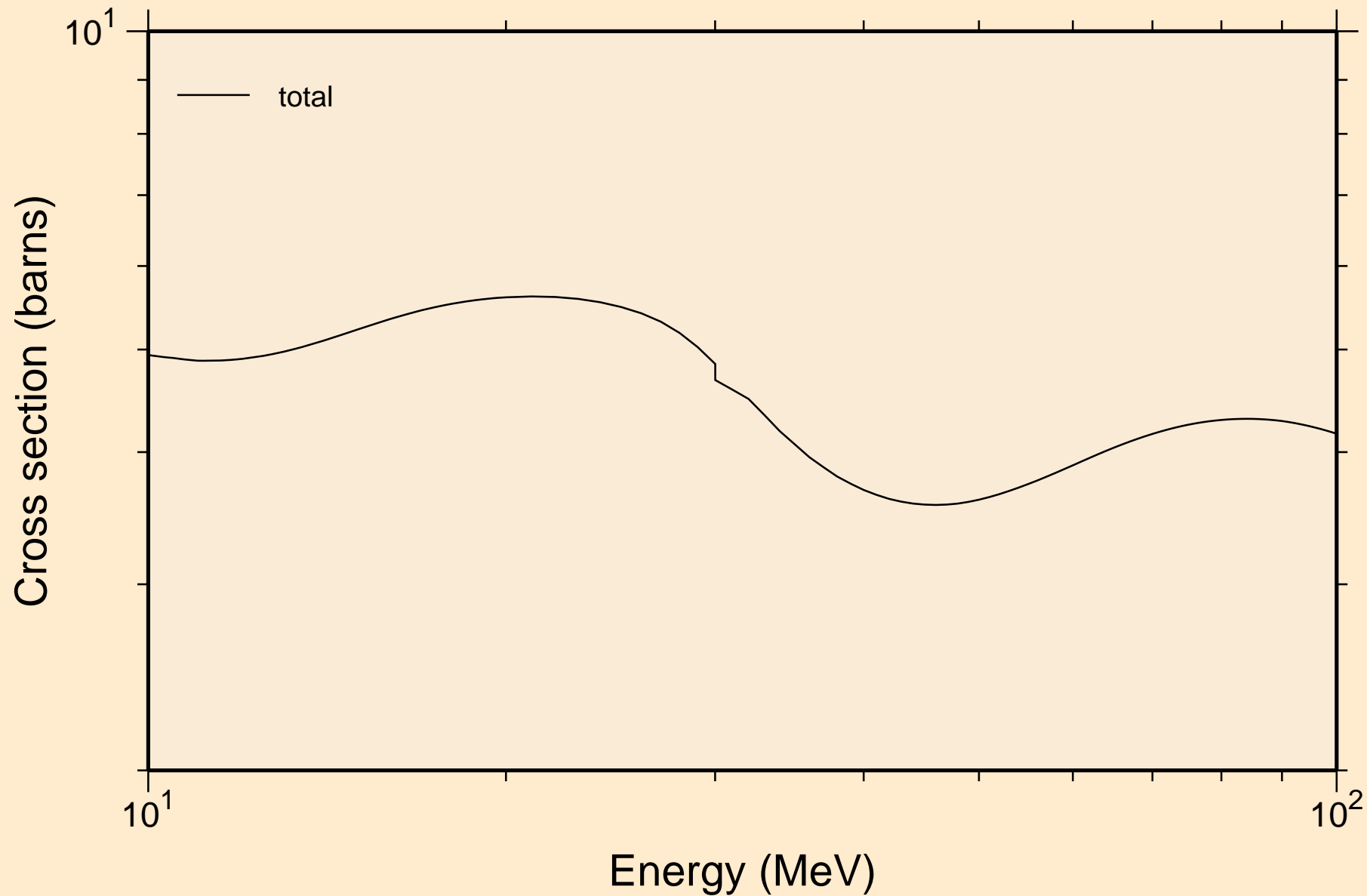
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resonance total cross section



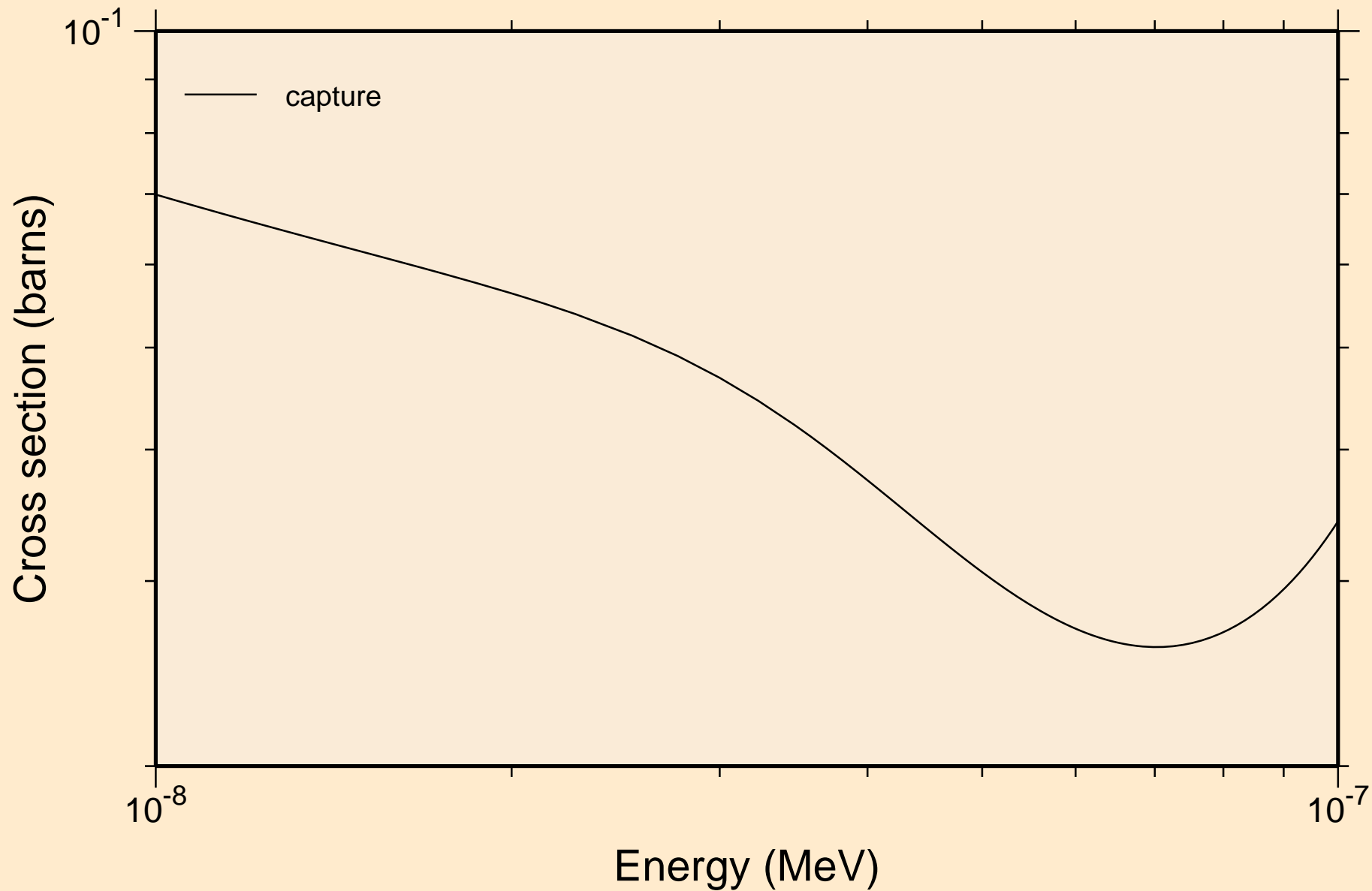
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resonance total cross section



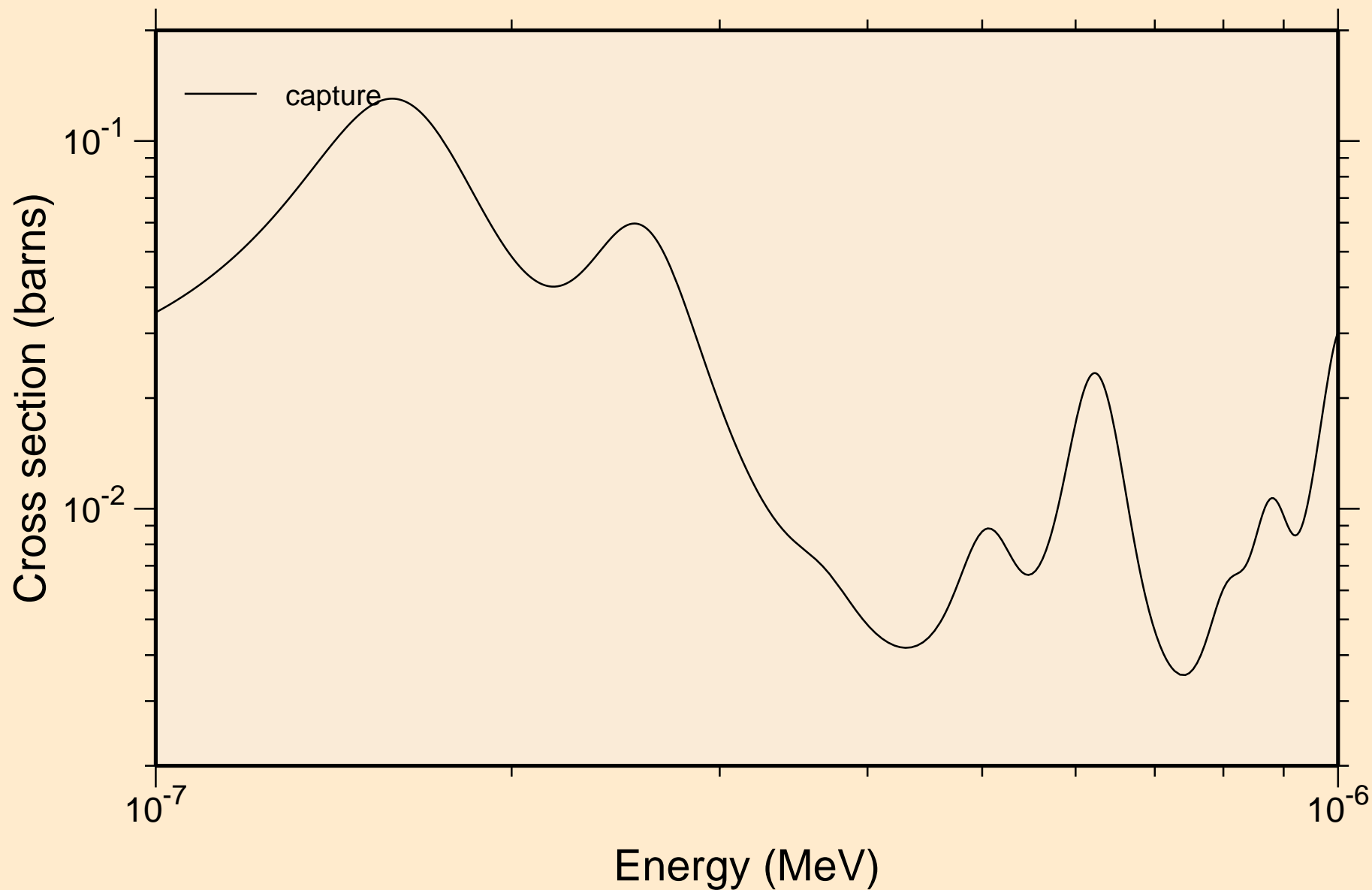
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



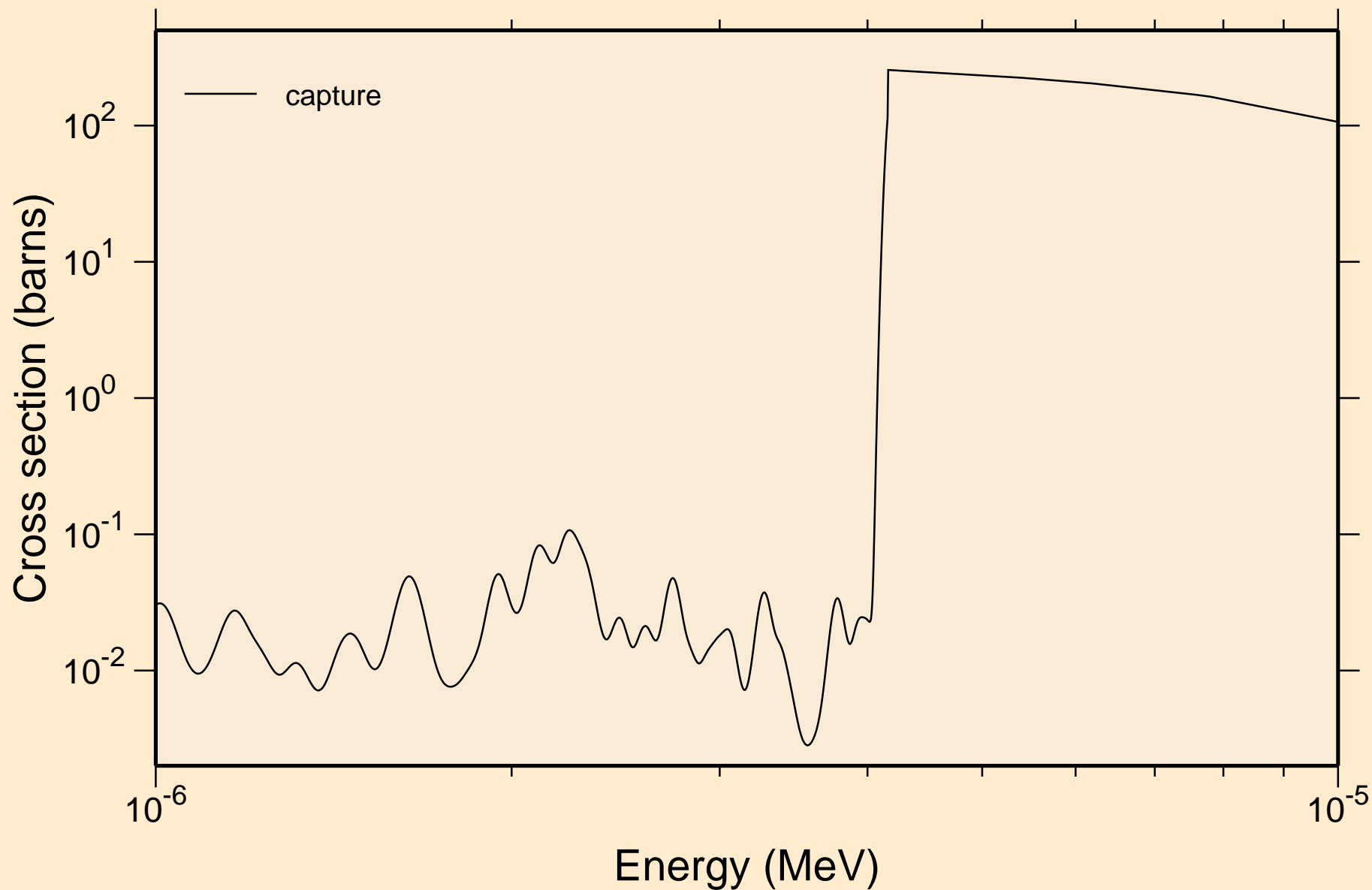
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

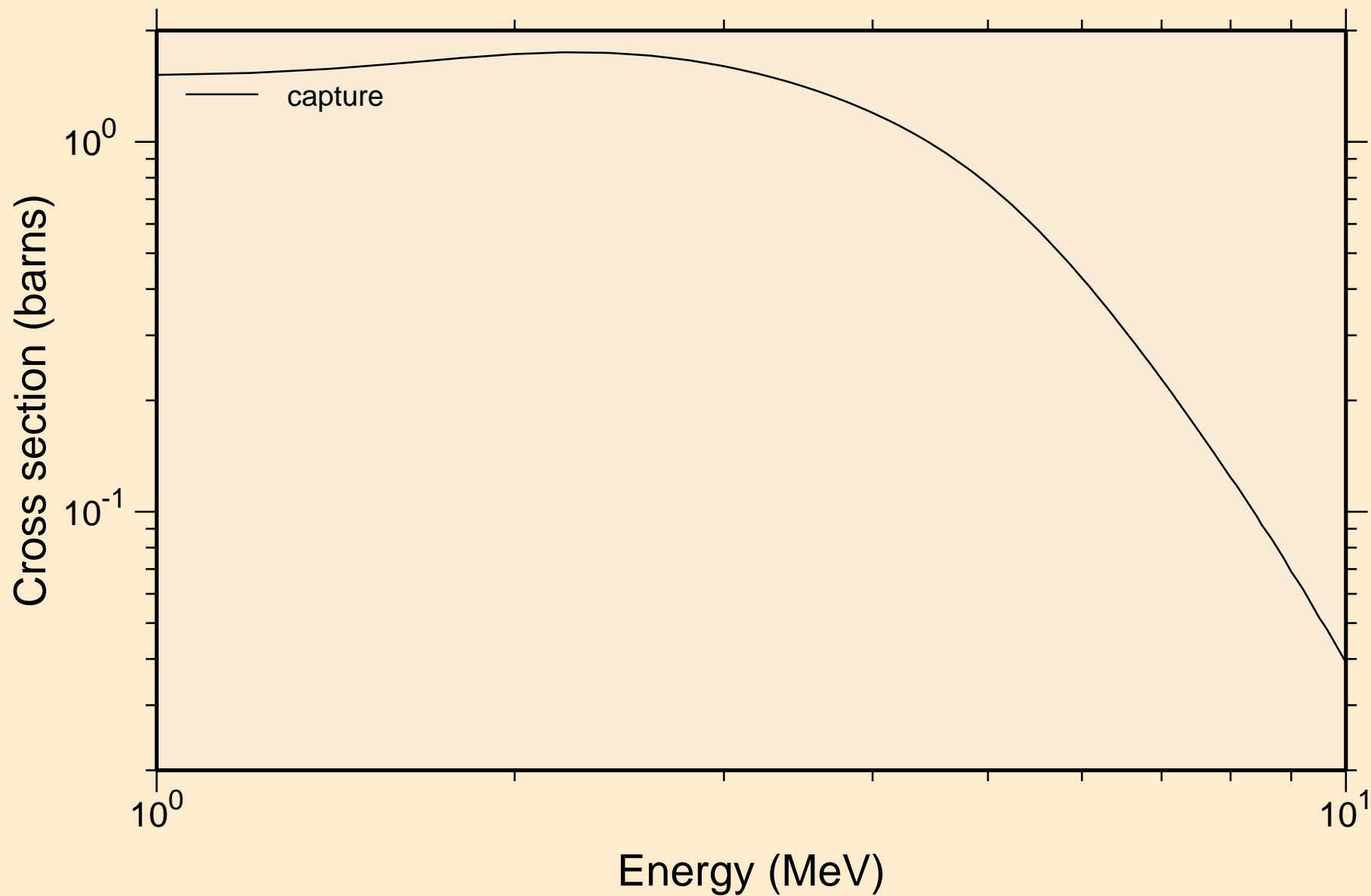


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

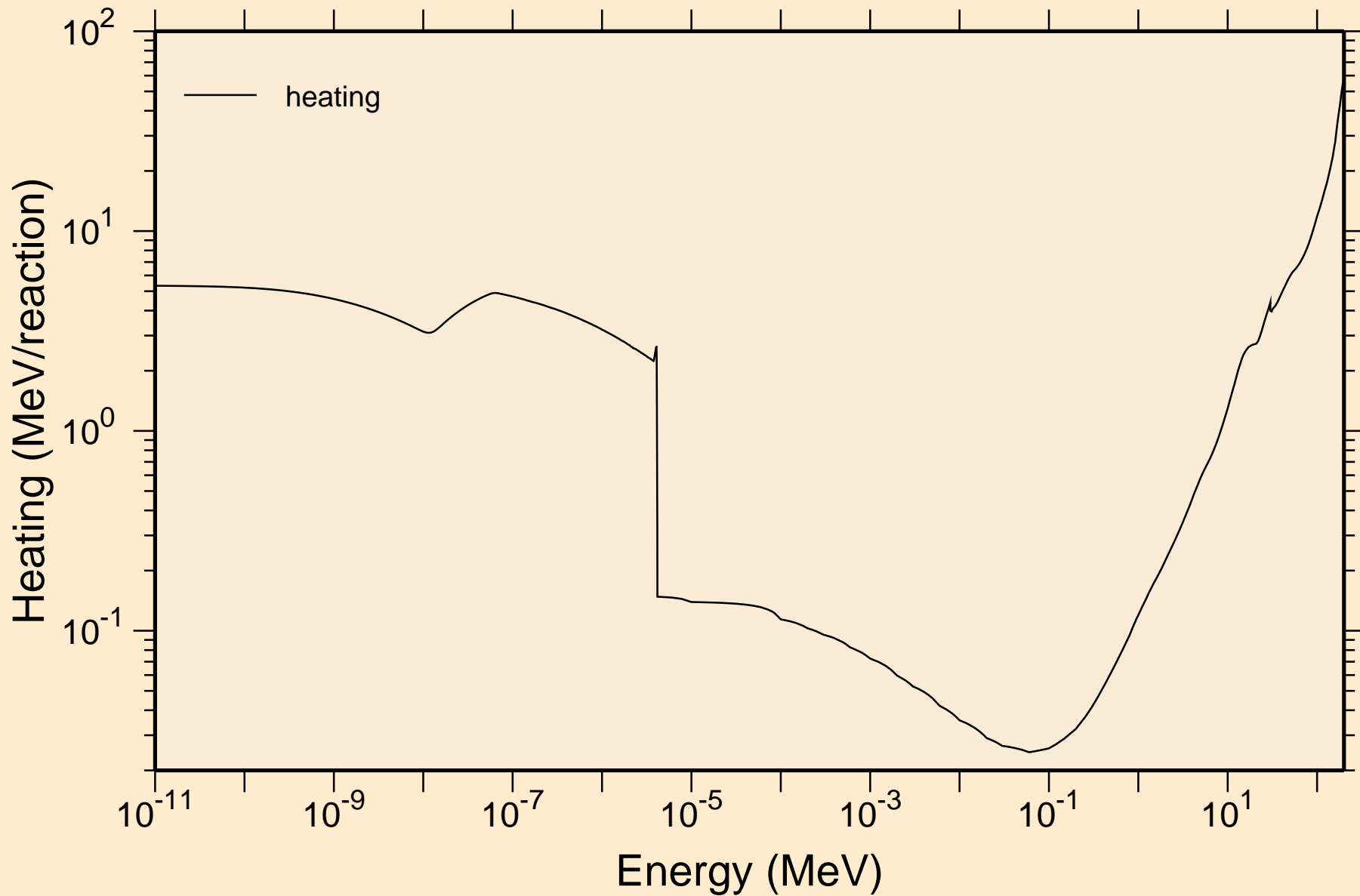




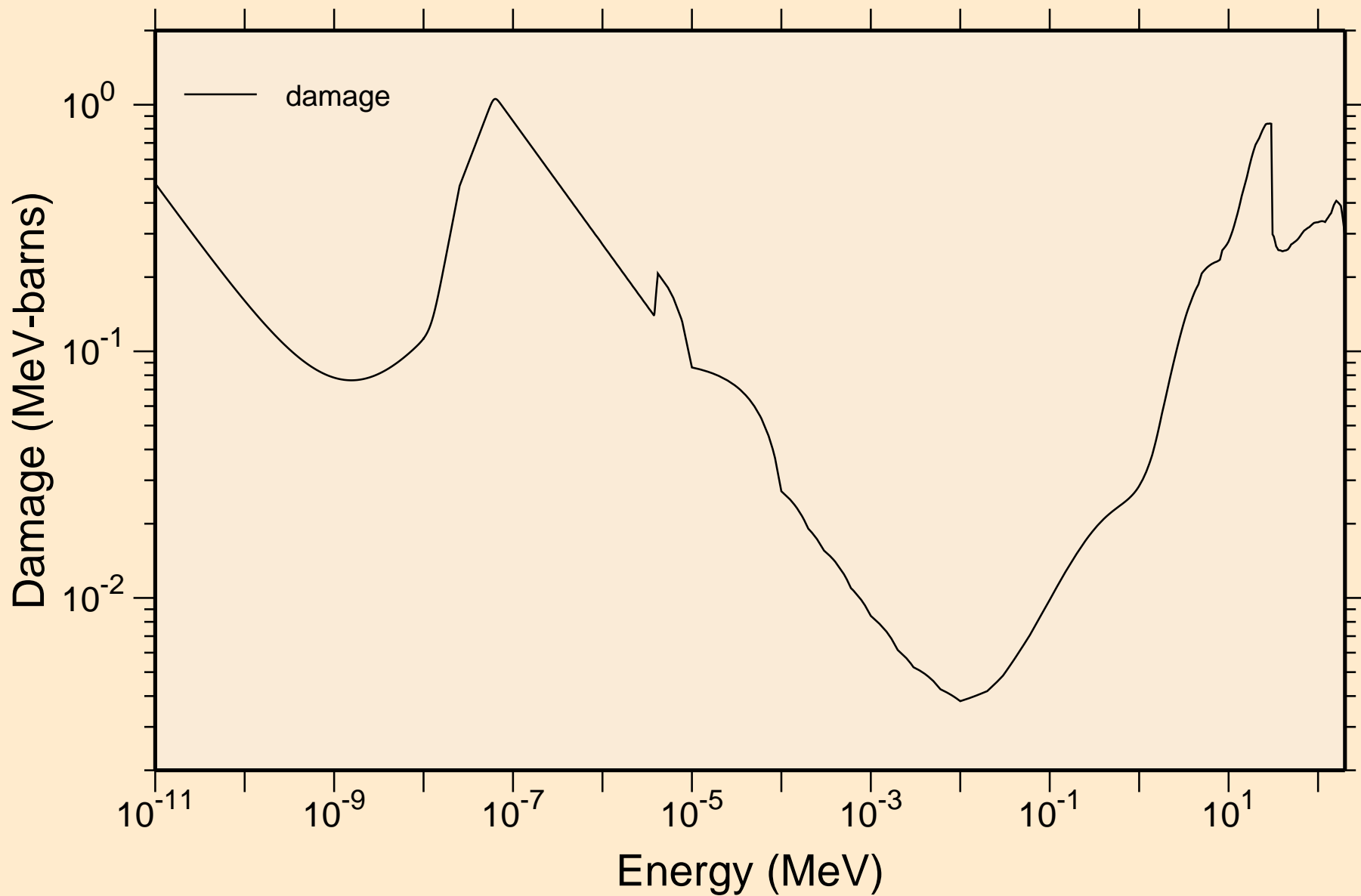
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



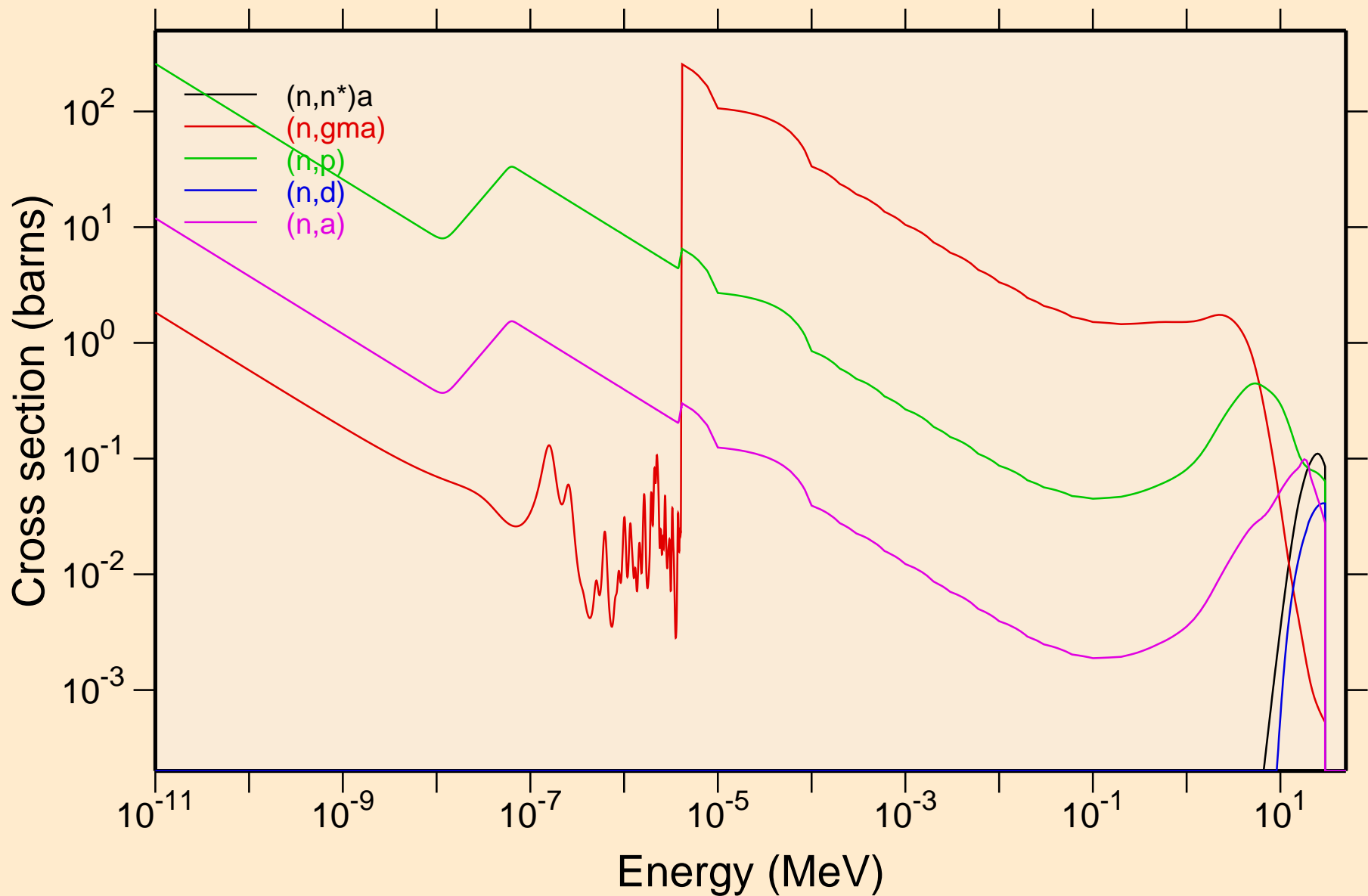
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



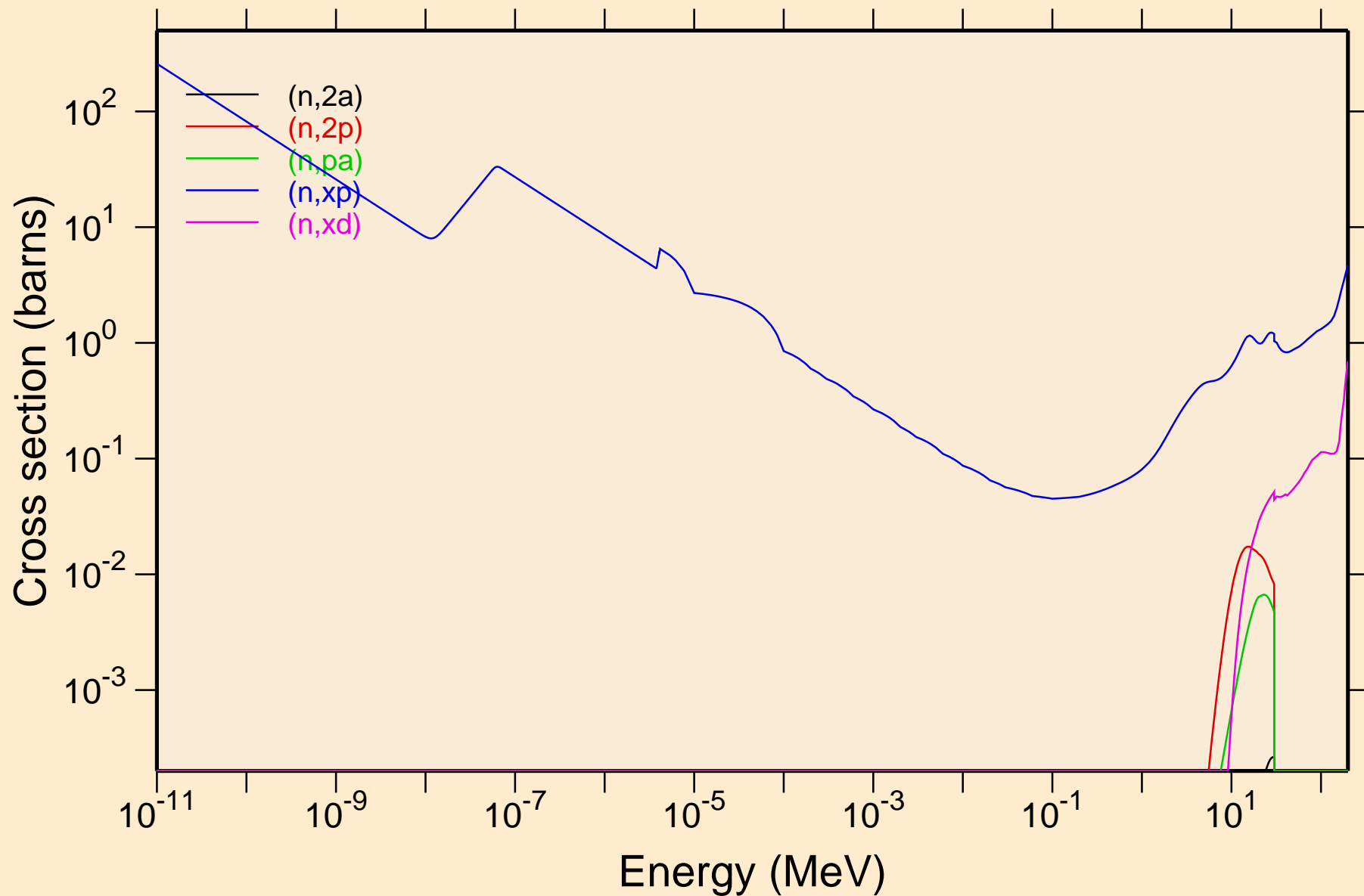
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Damage



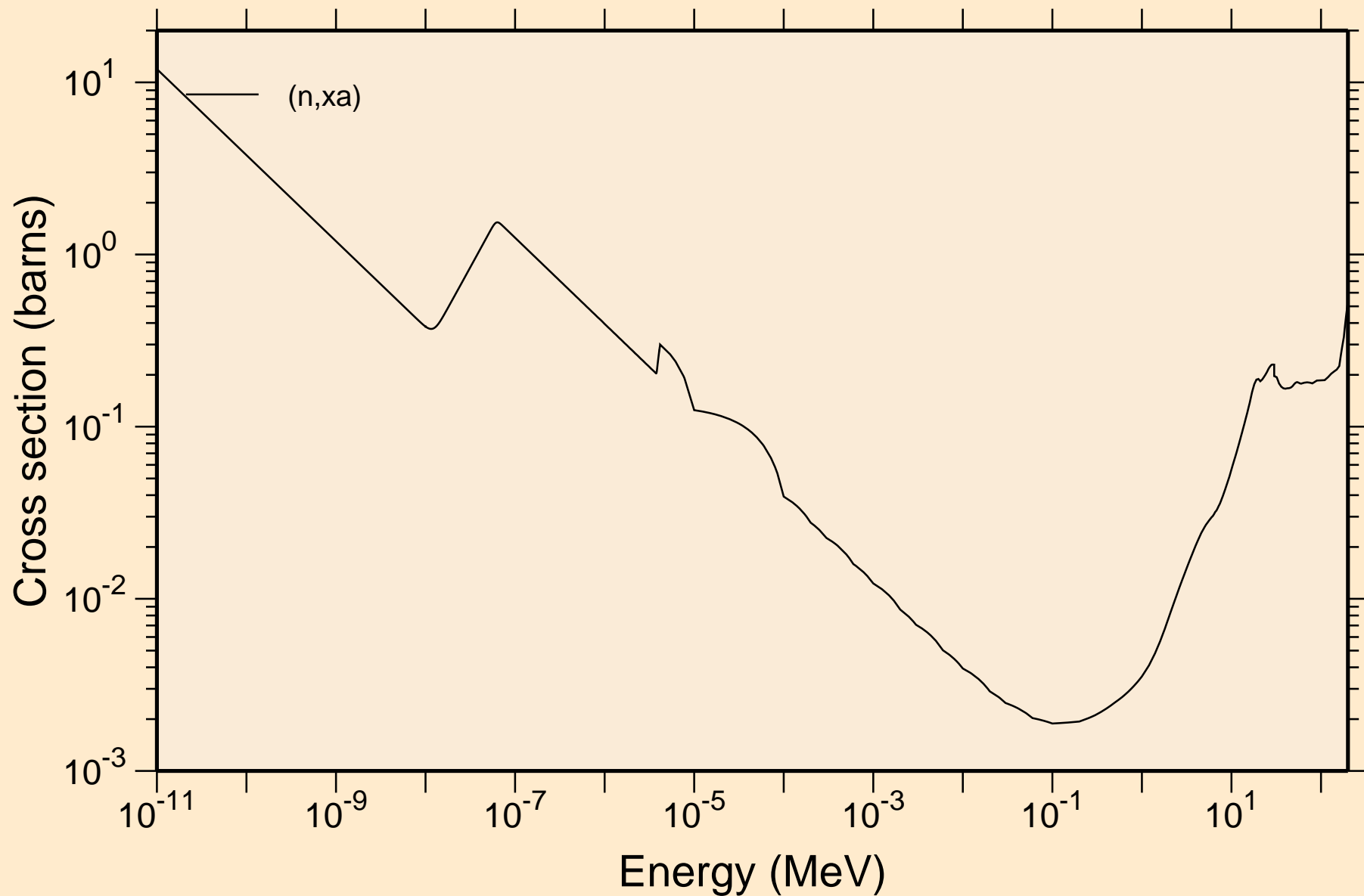
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Non-threshold reactions



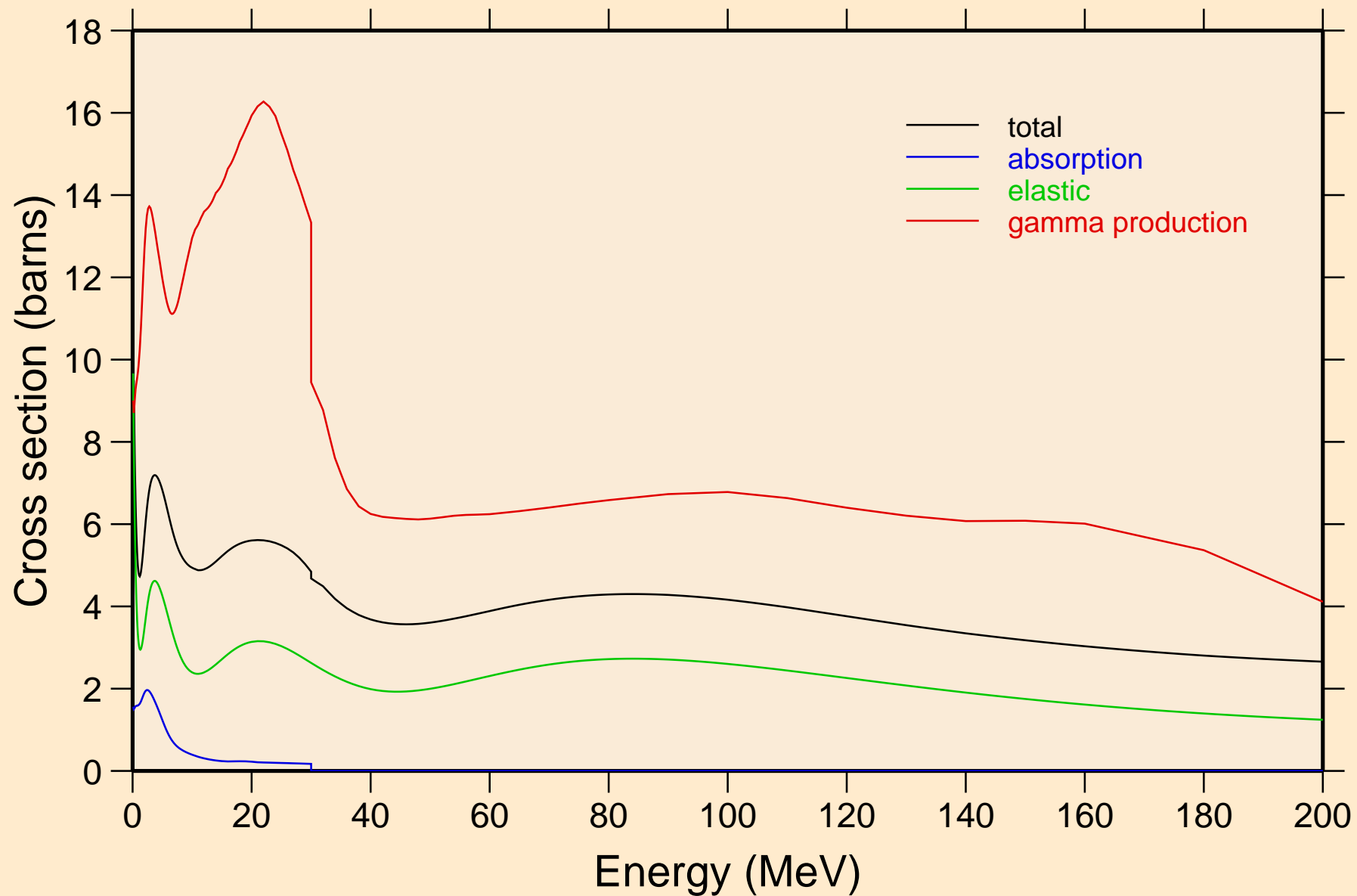
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Non-threshold reactions



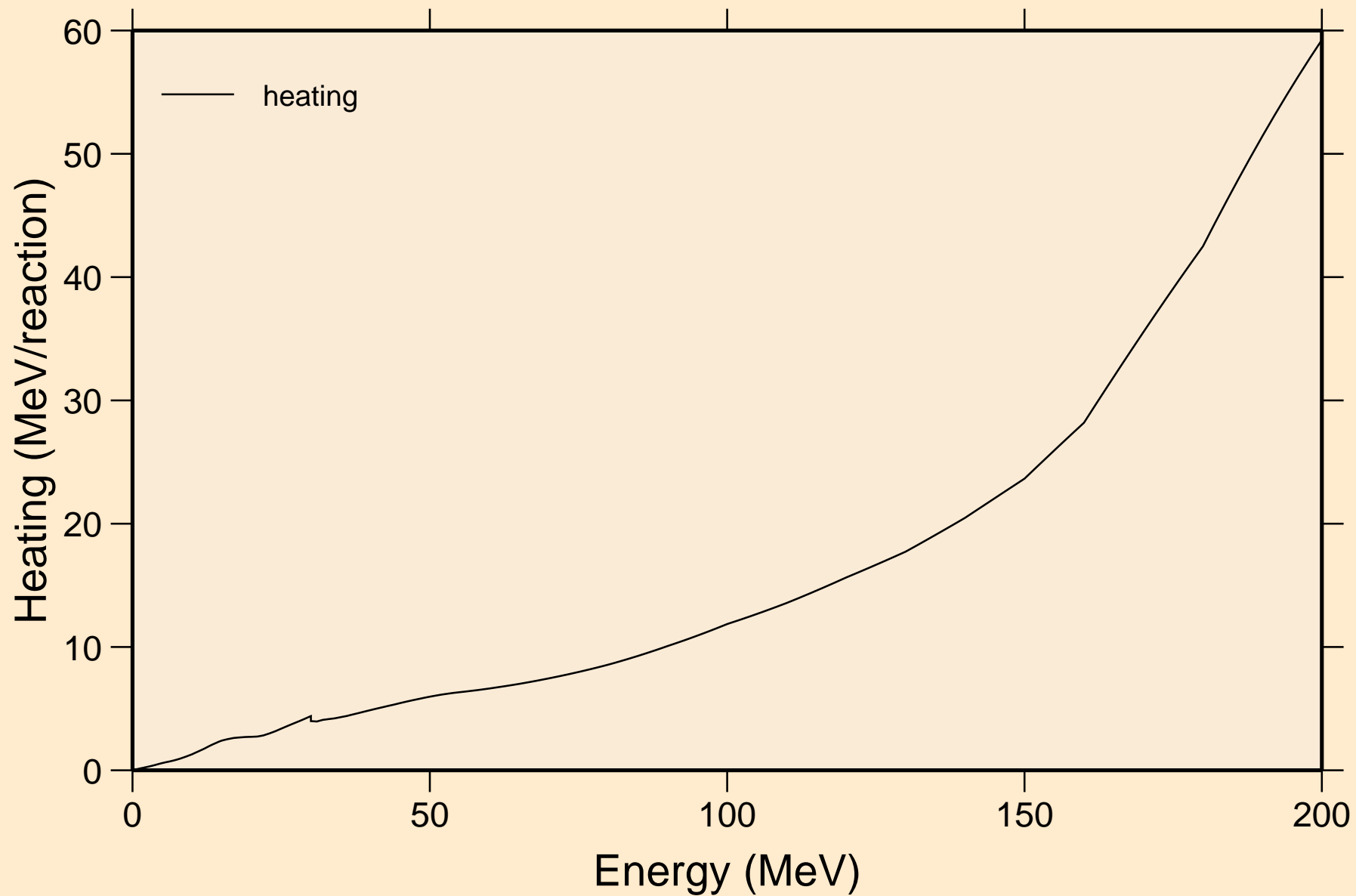
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

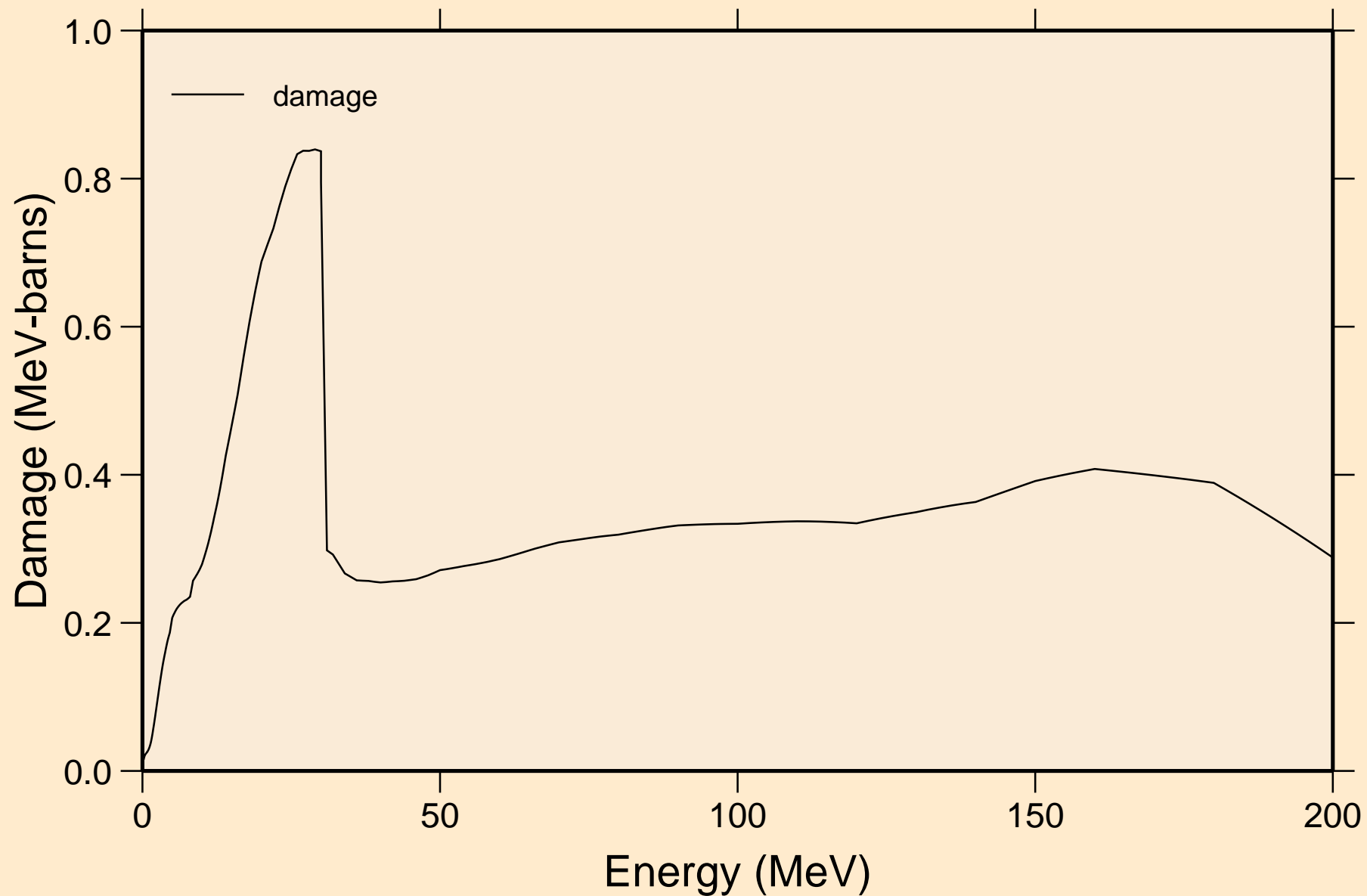


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Heating

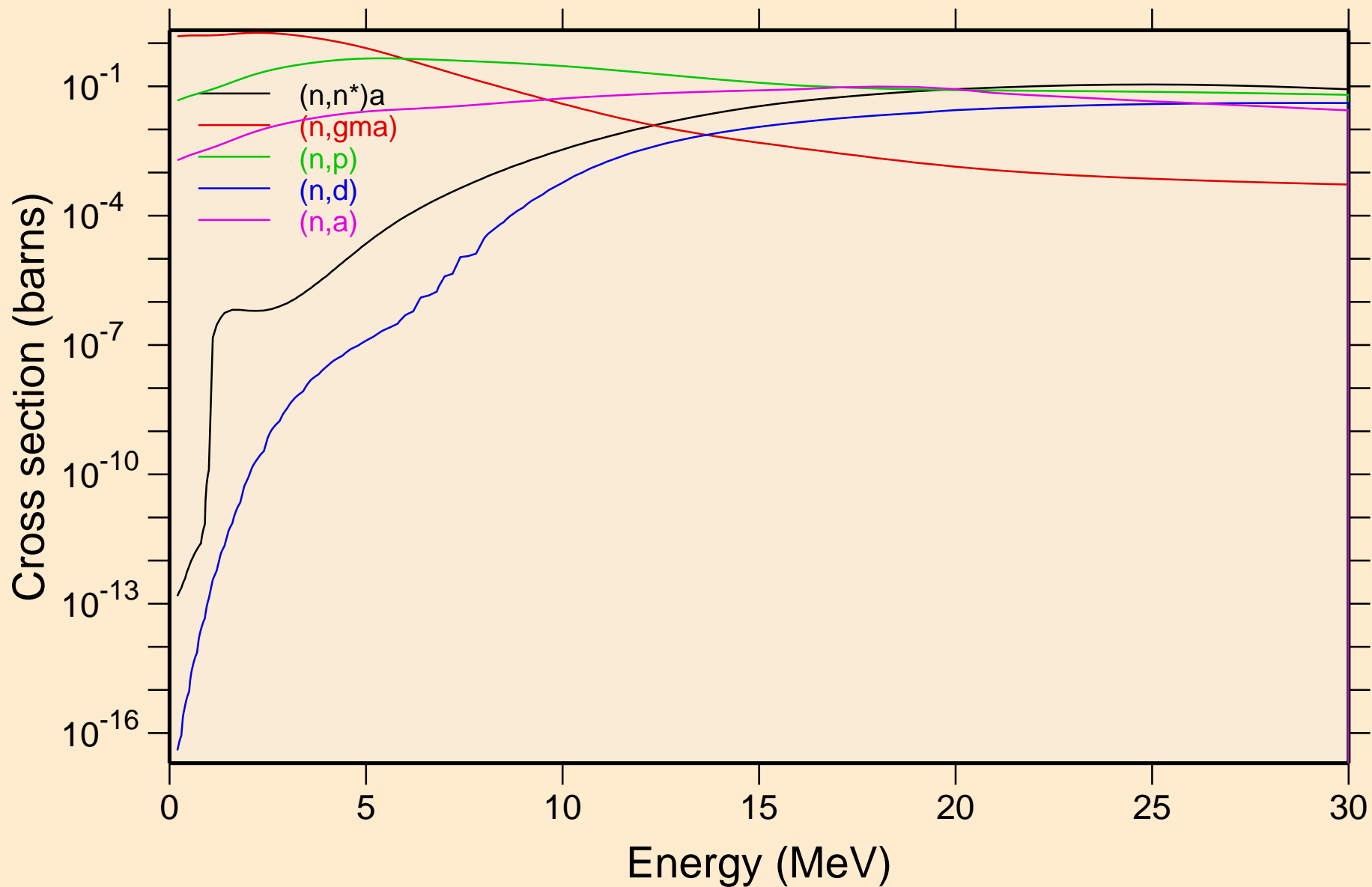




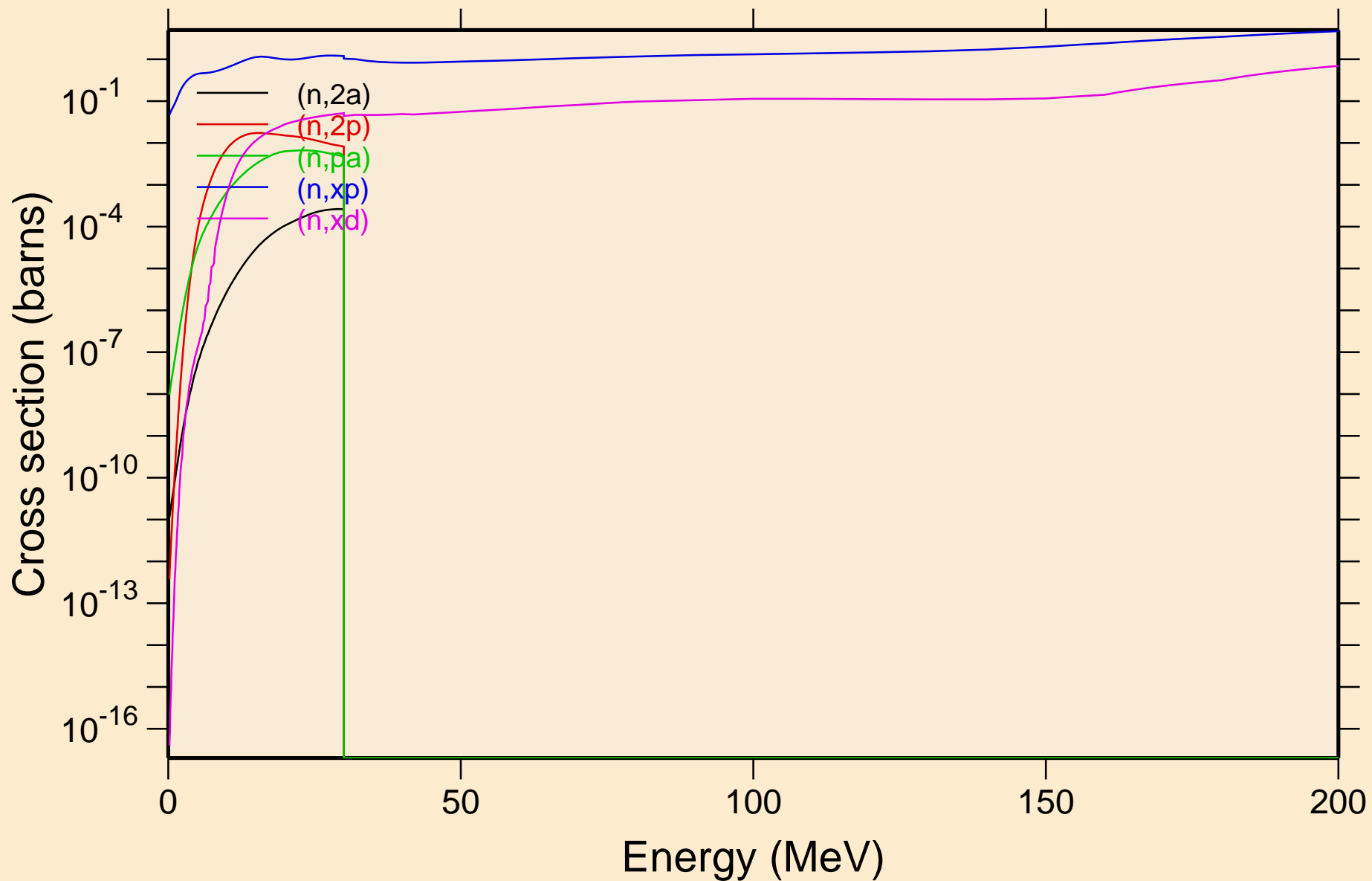
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Damage



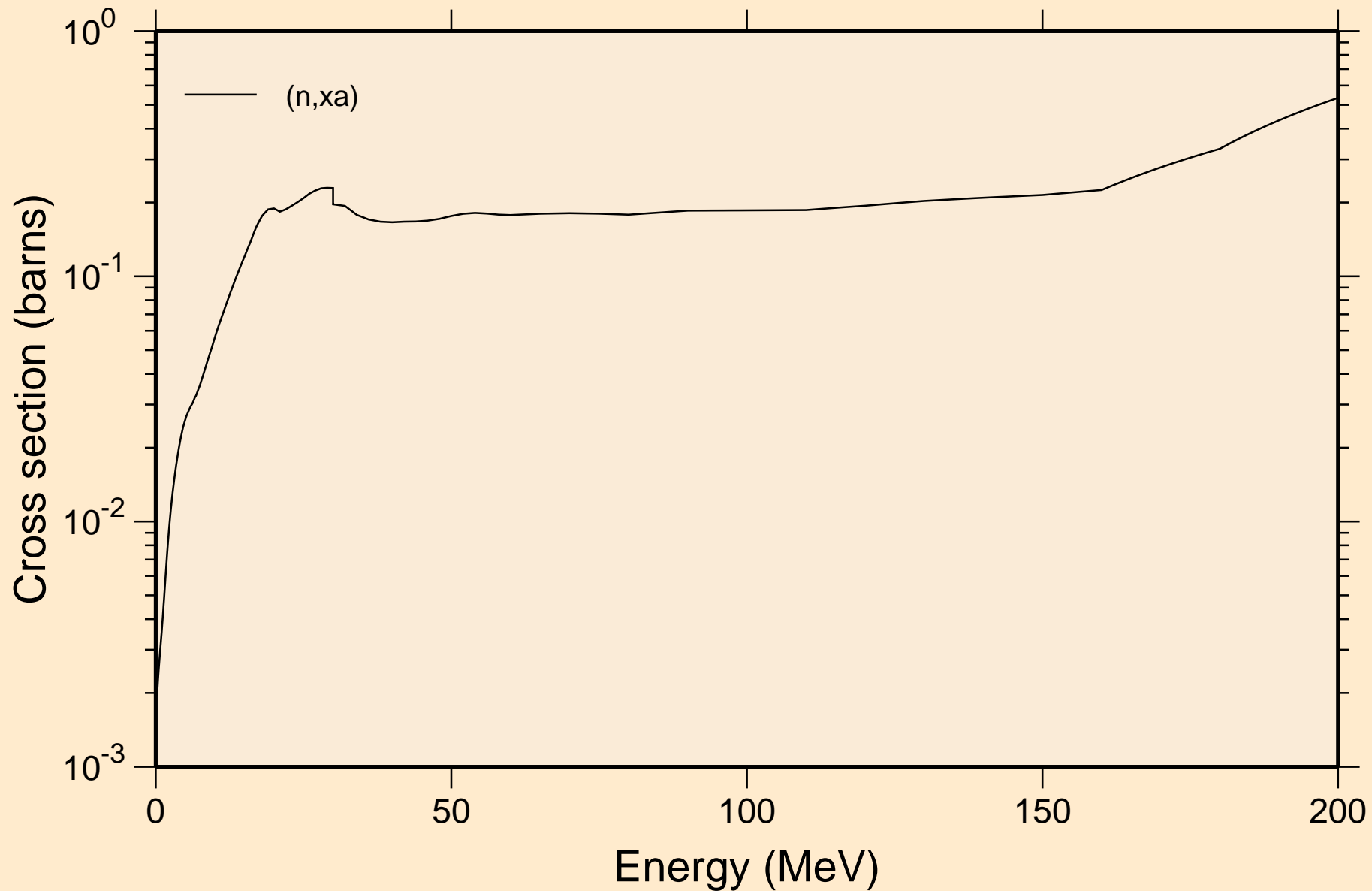
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Non-threshold reactions



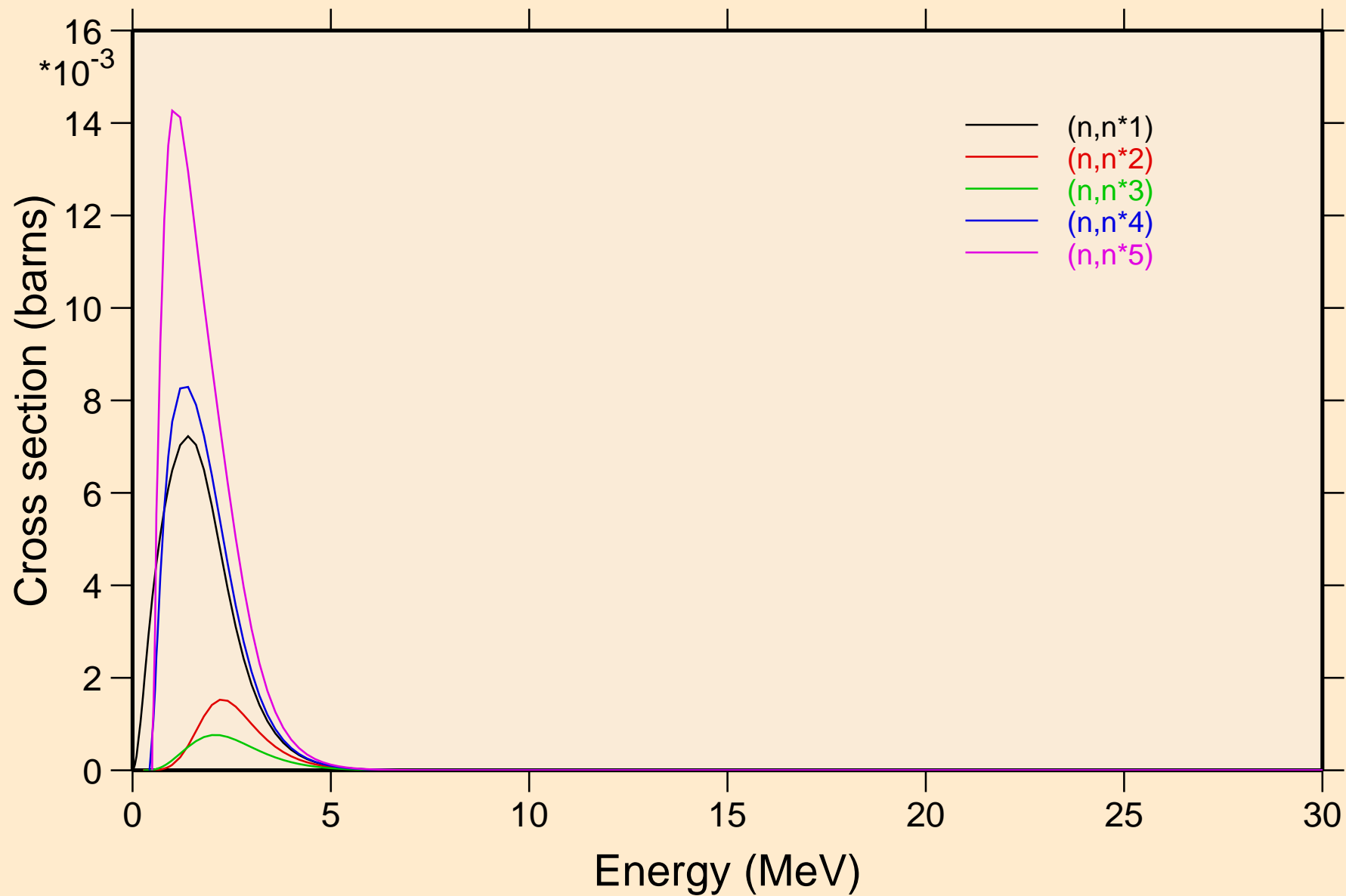
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



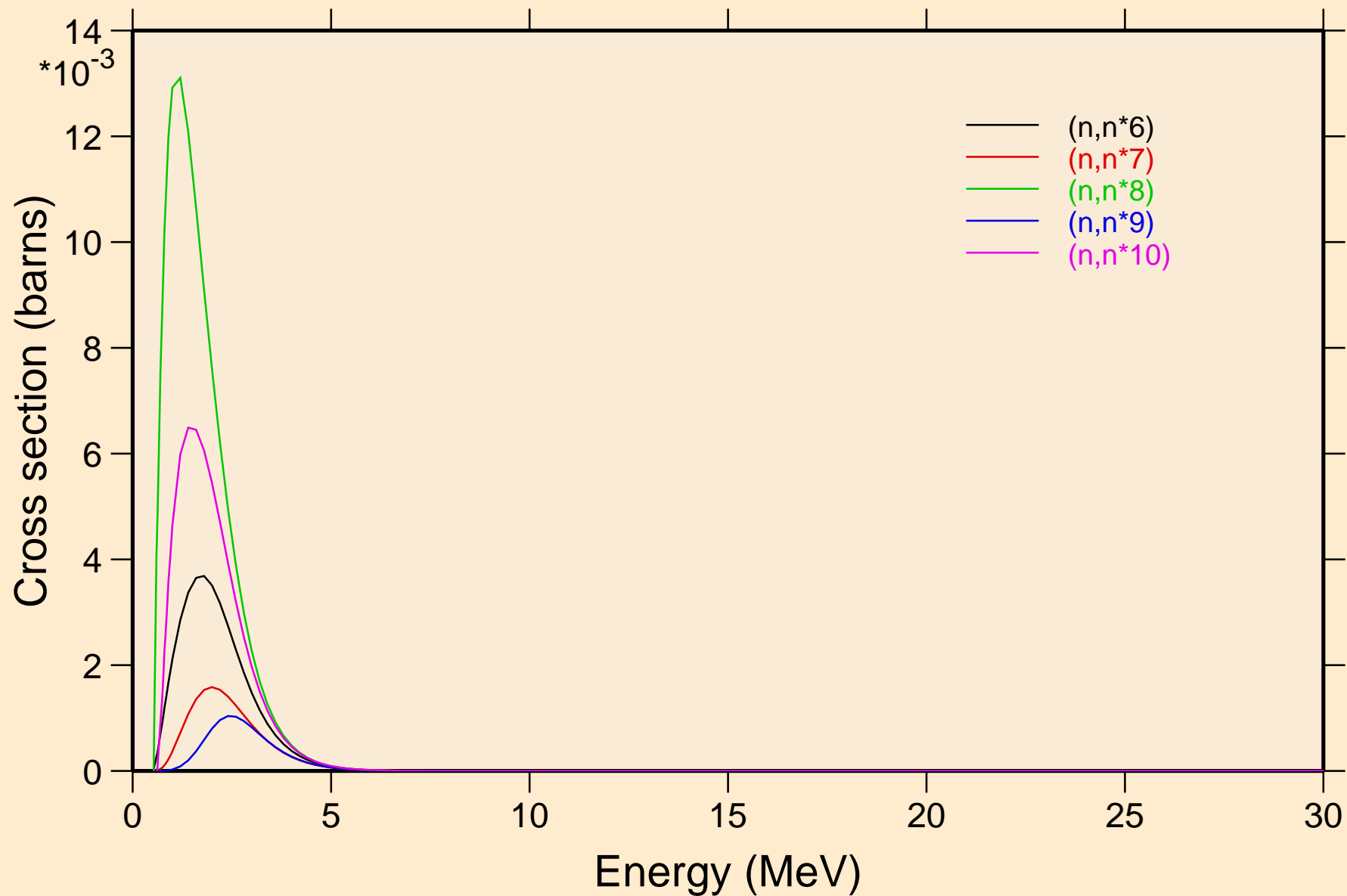
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Non-threshold reactions



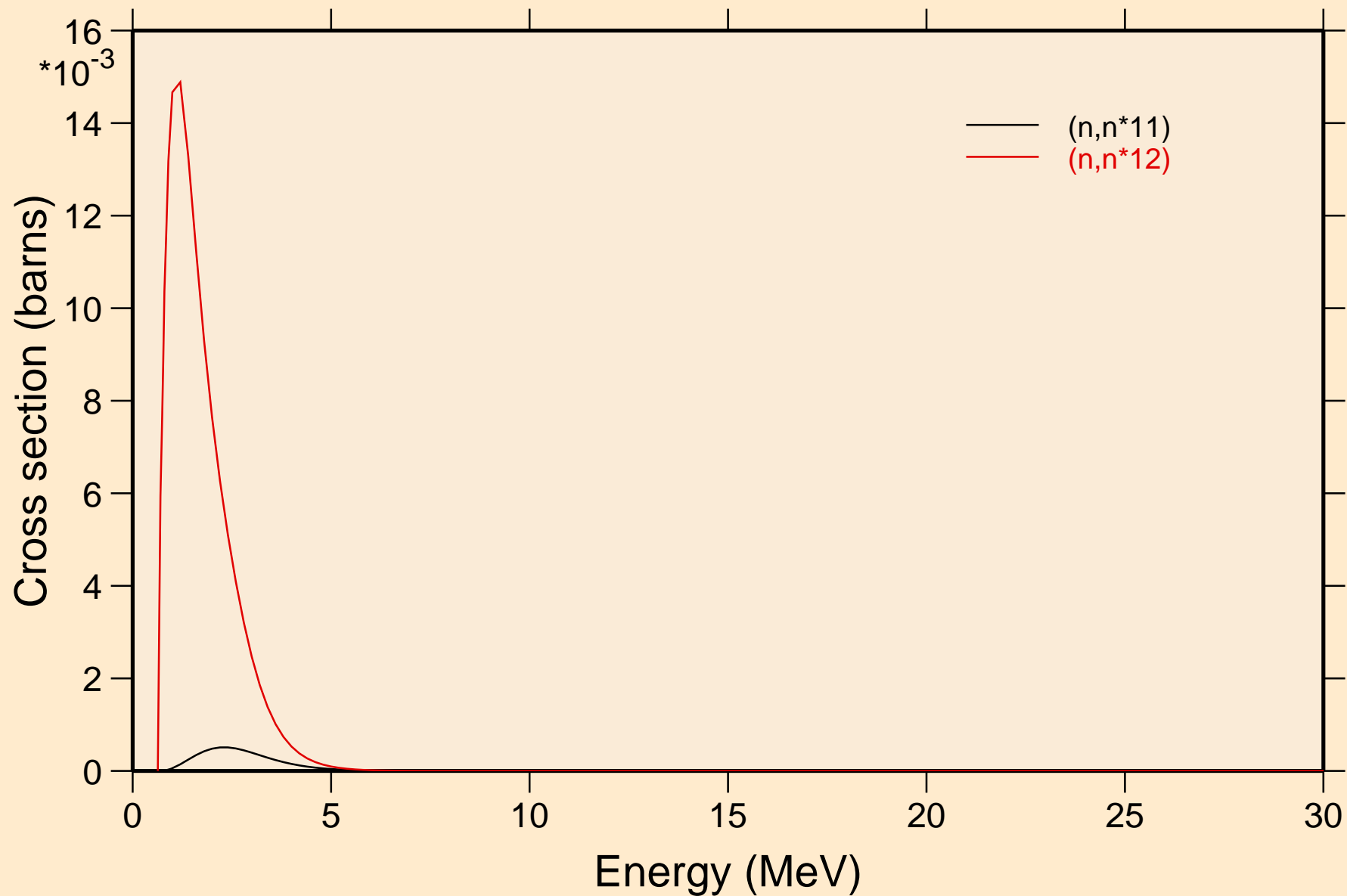
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



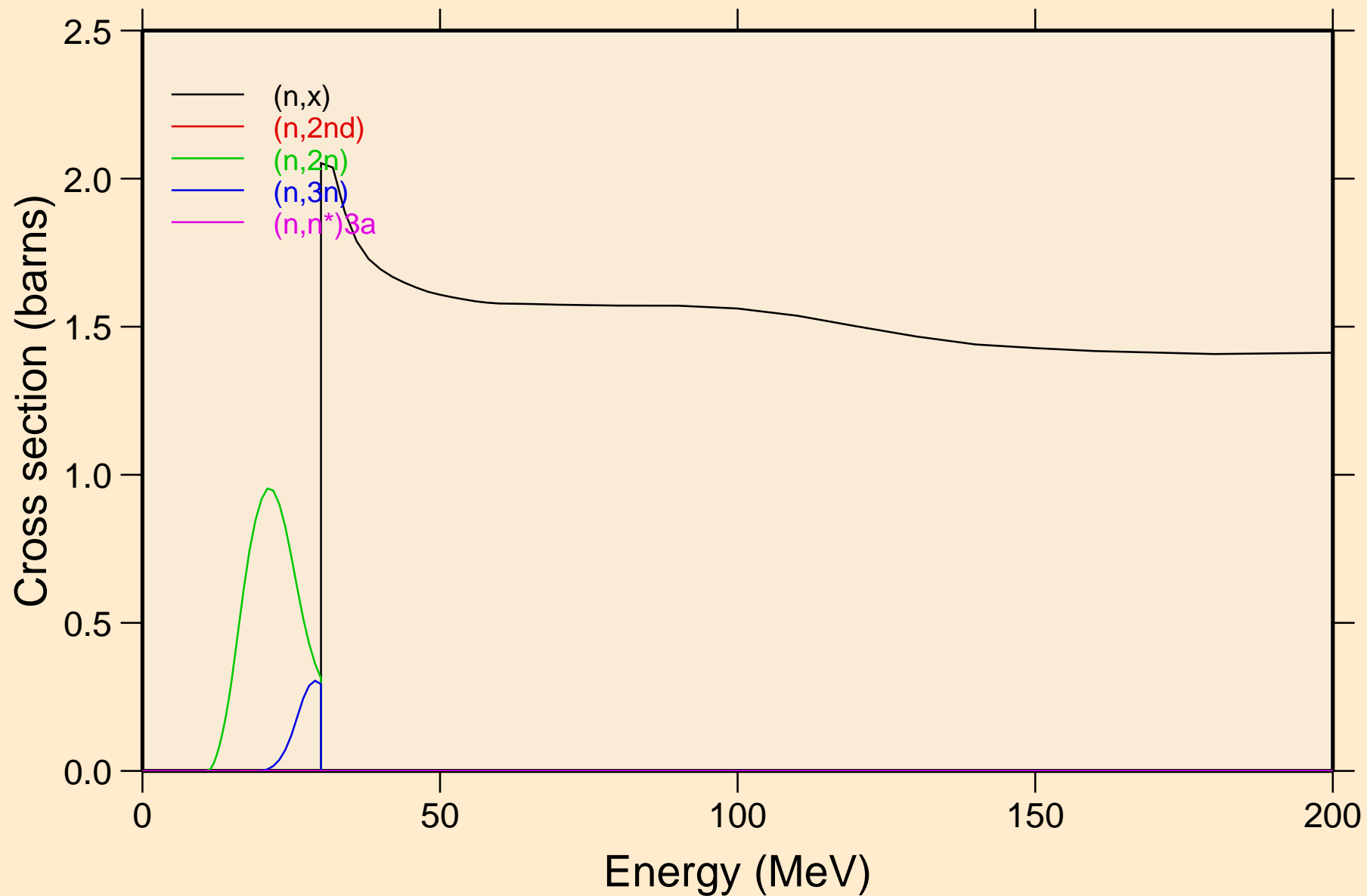
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

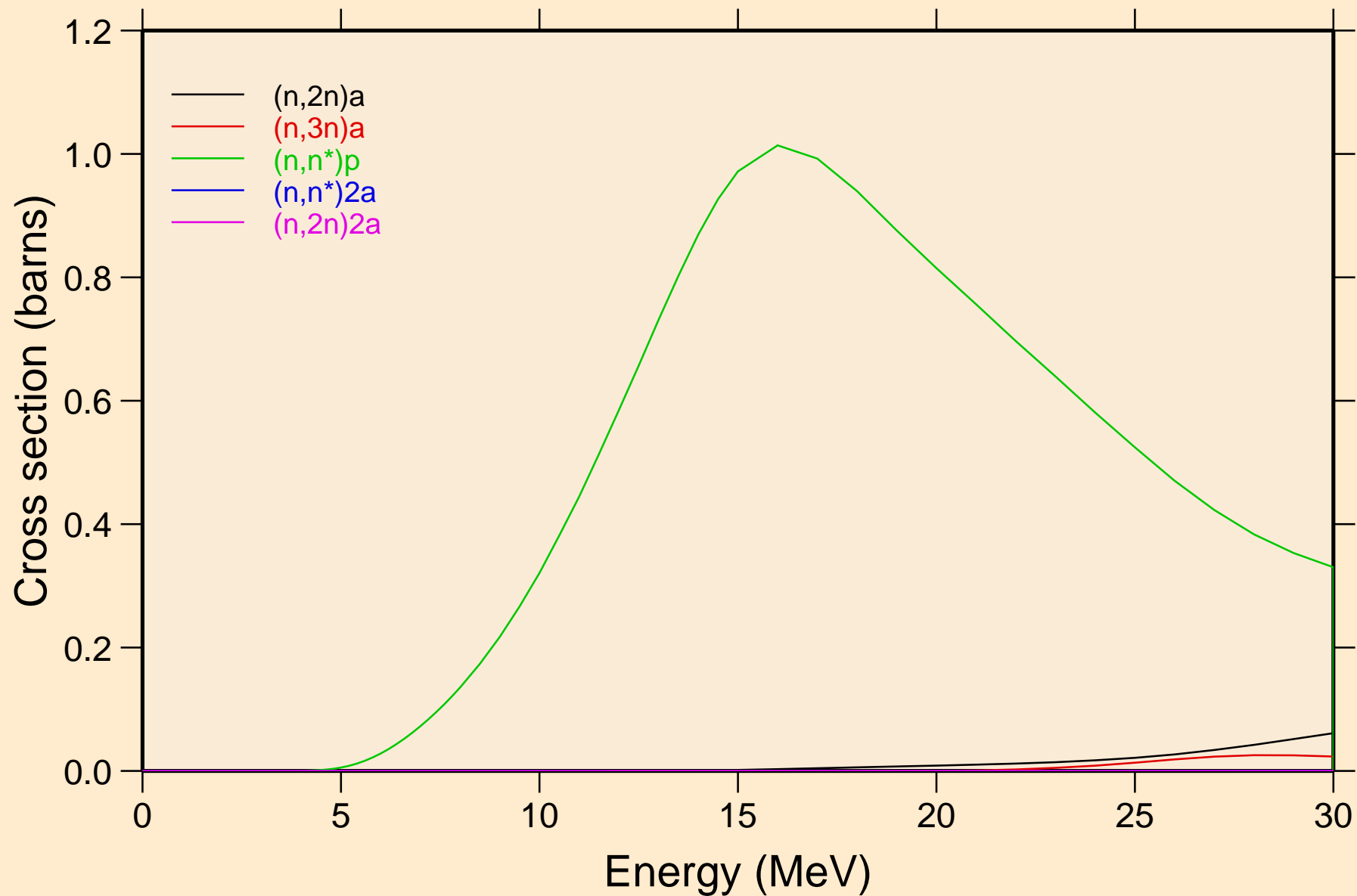


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

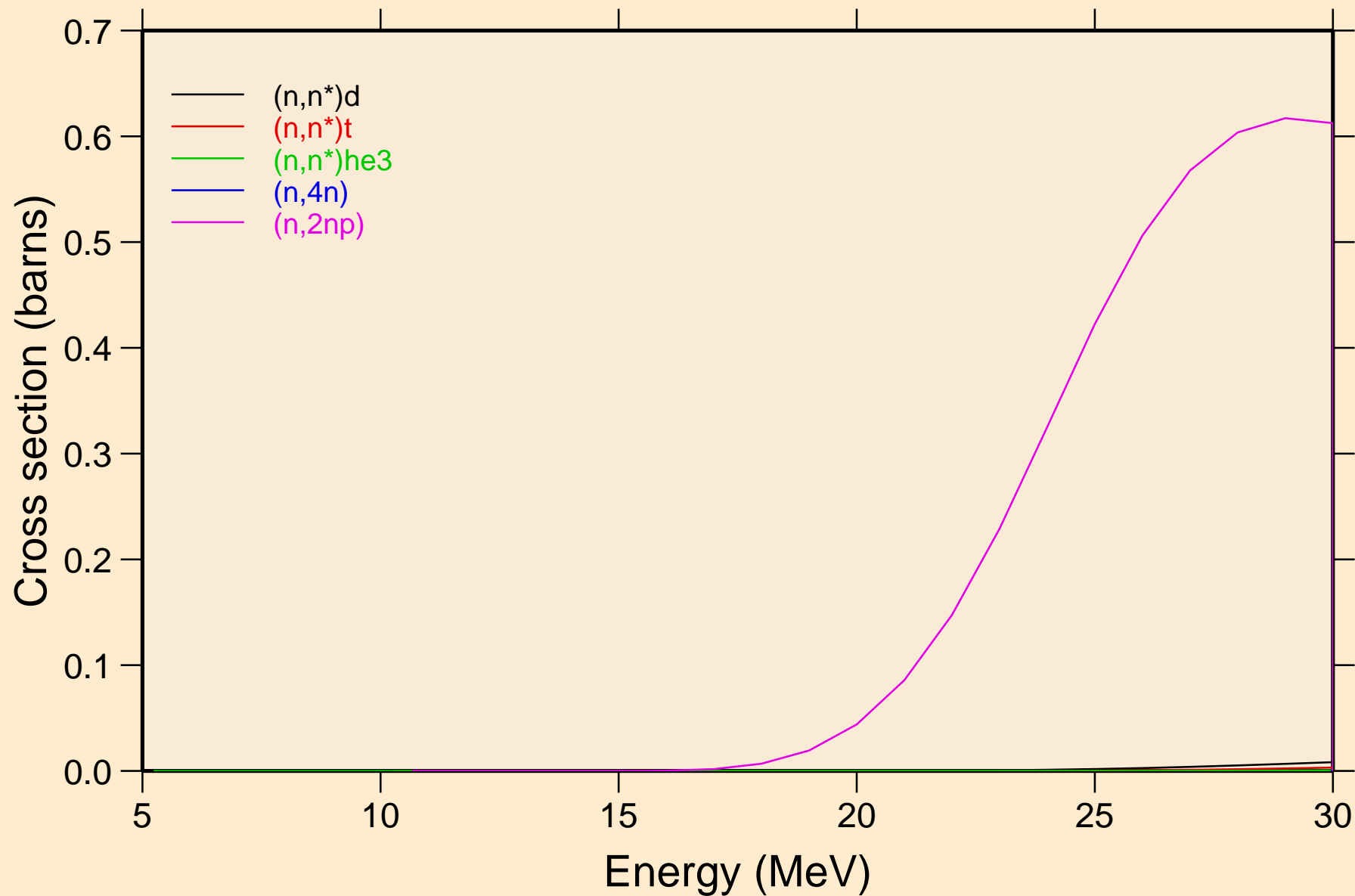




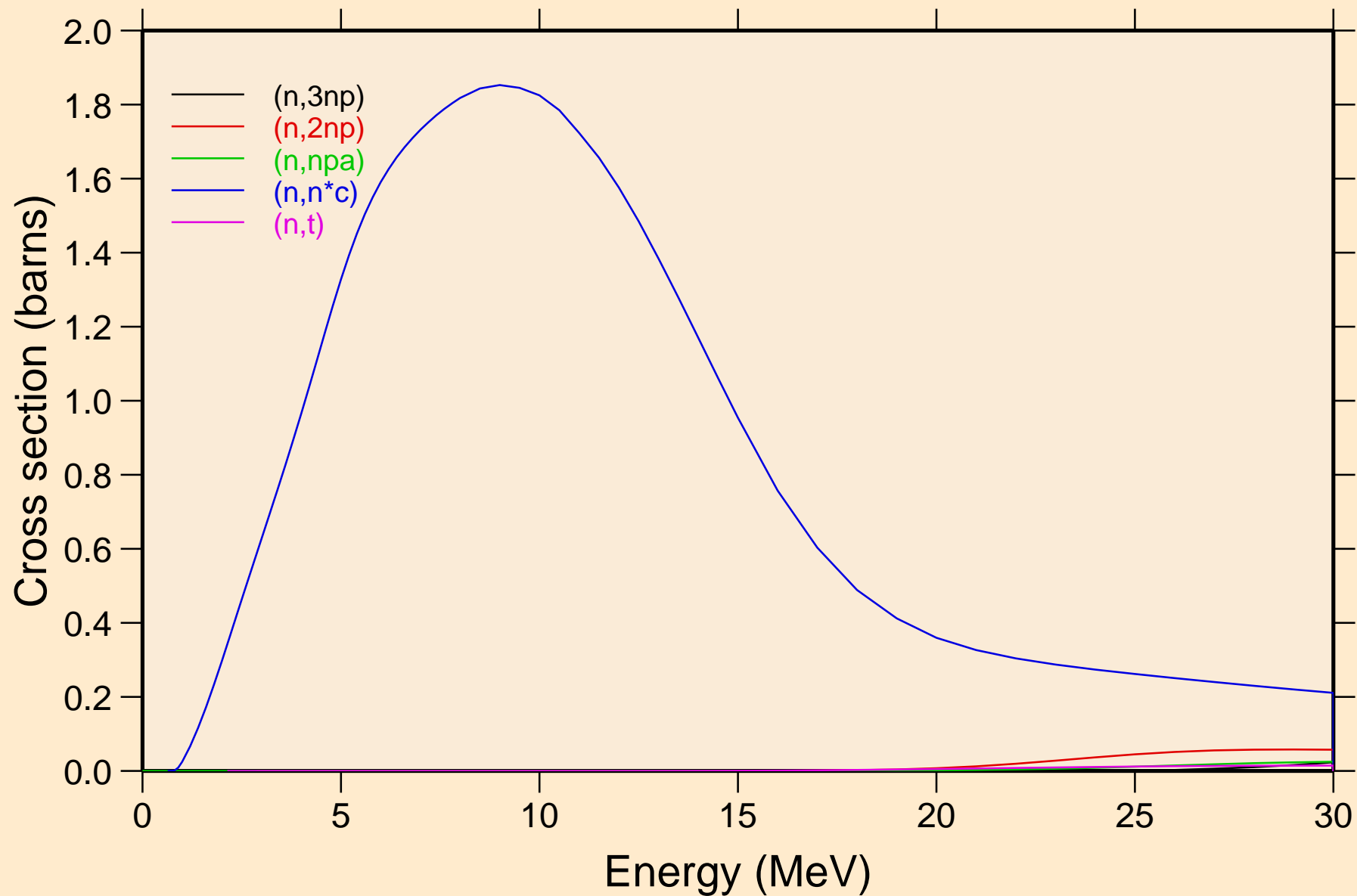
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



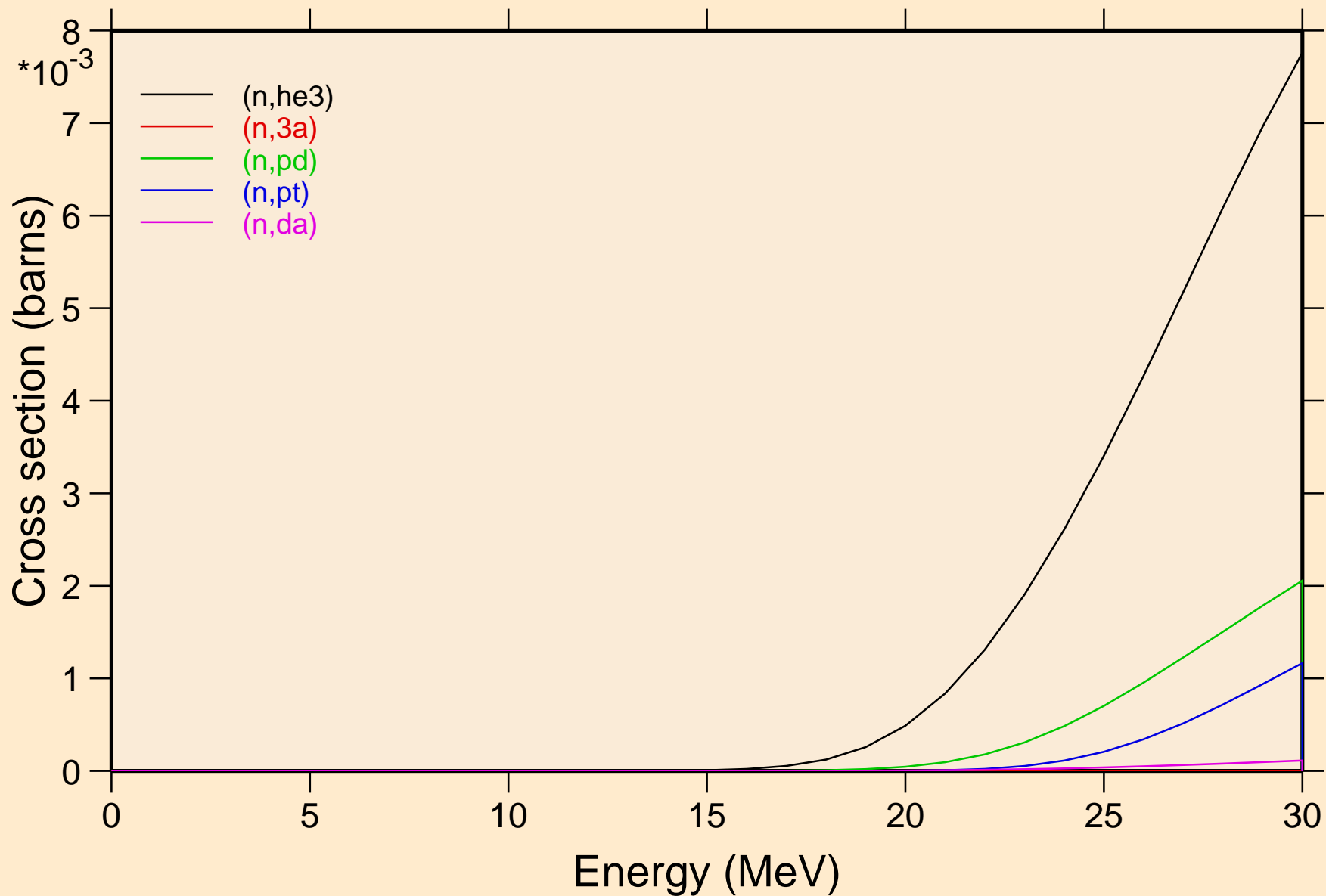
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Threshold reactions



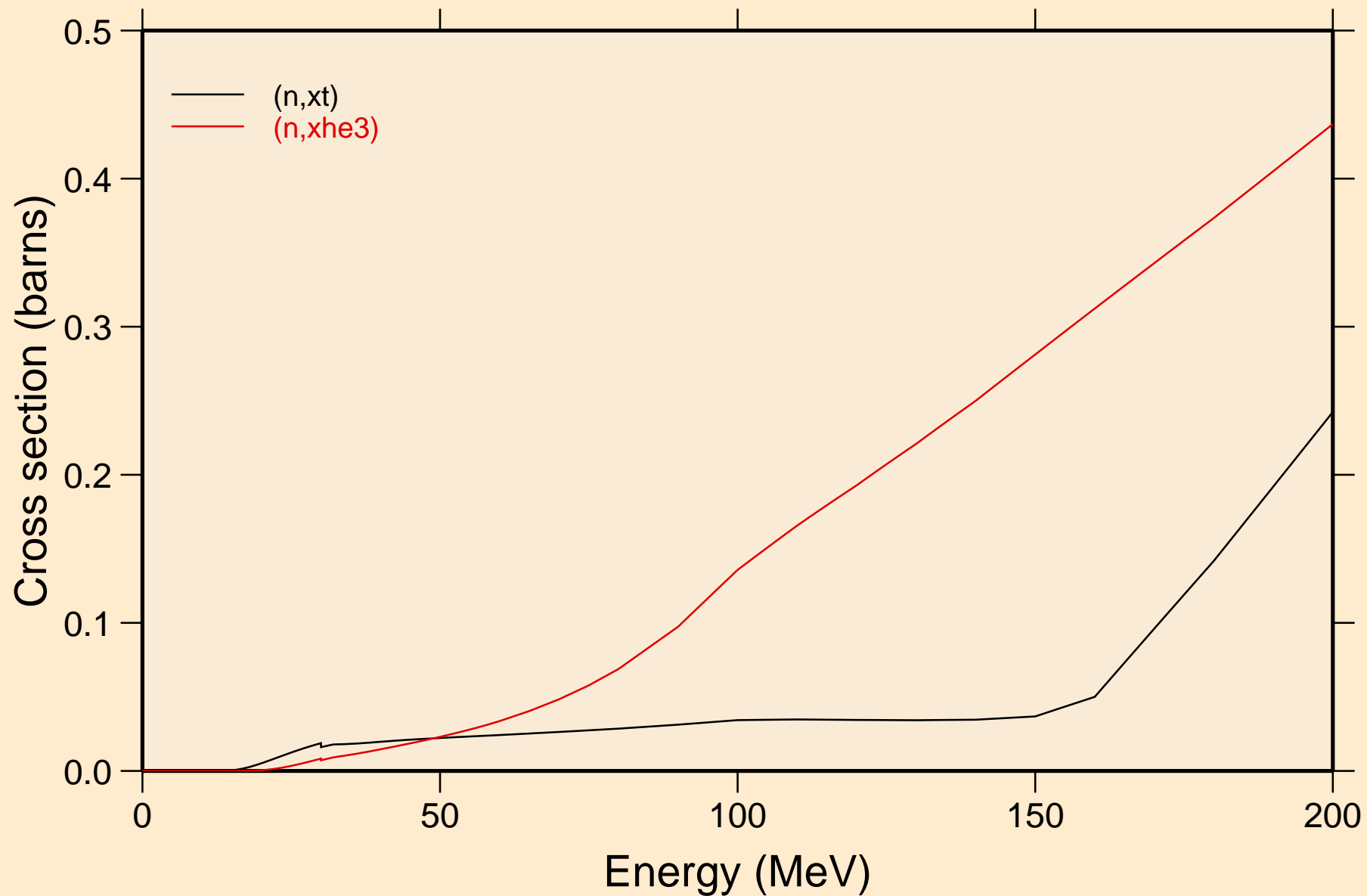
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Threshold reactions



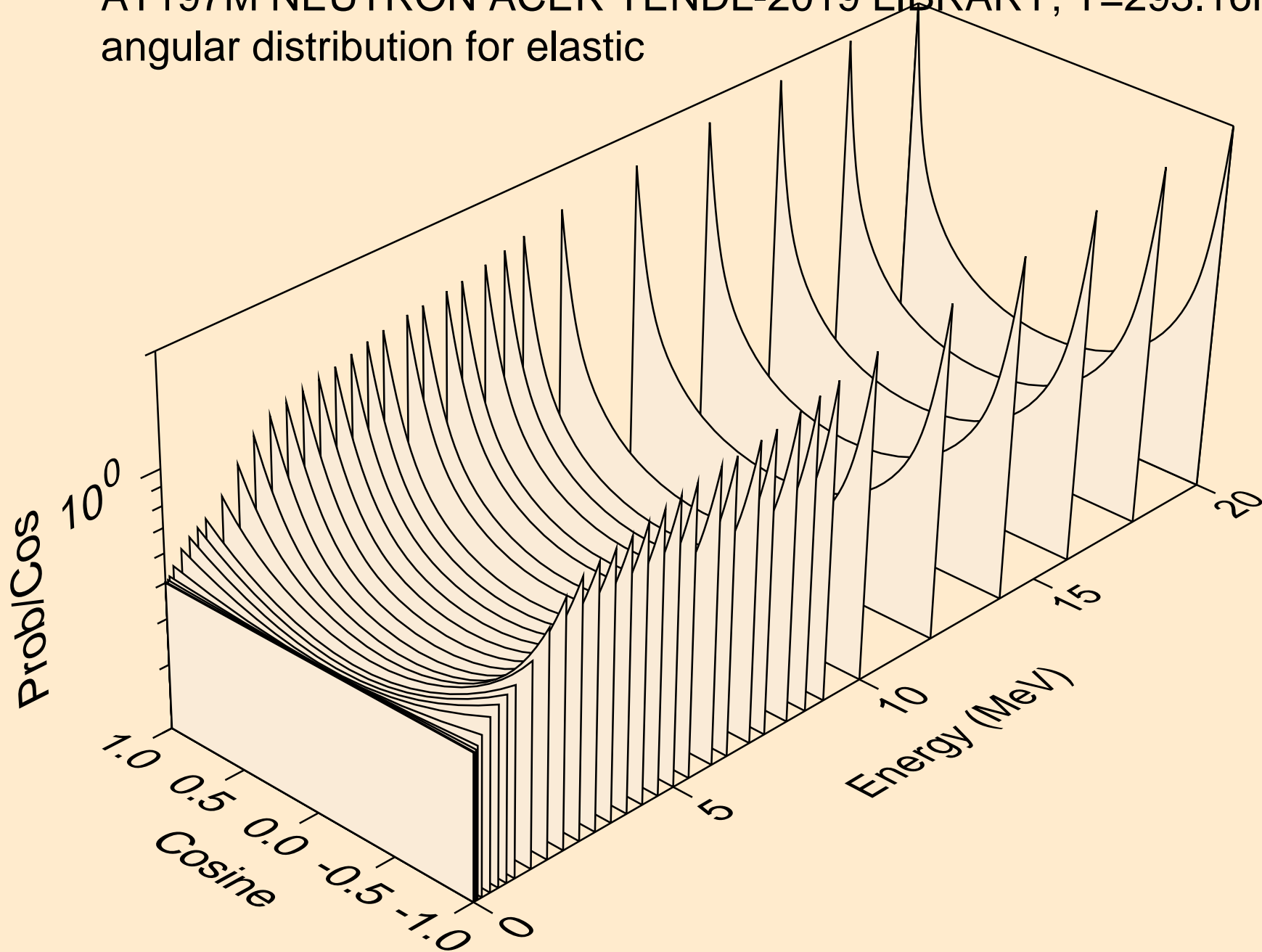
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Threshold reactions



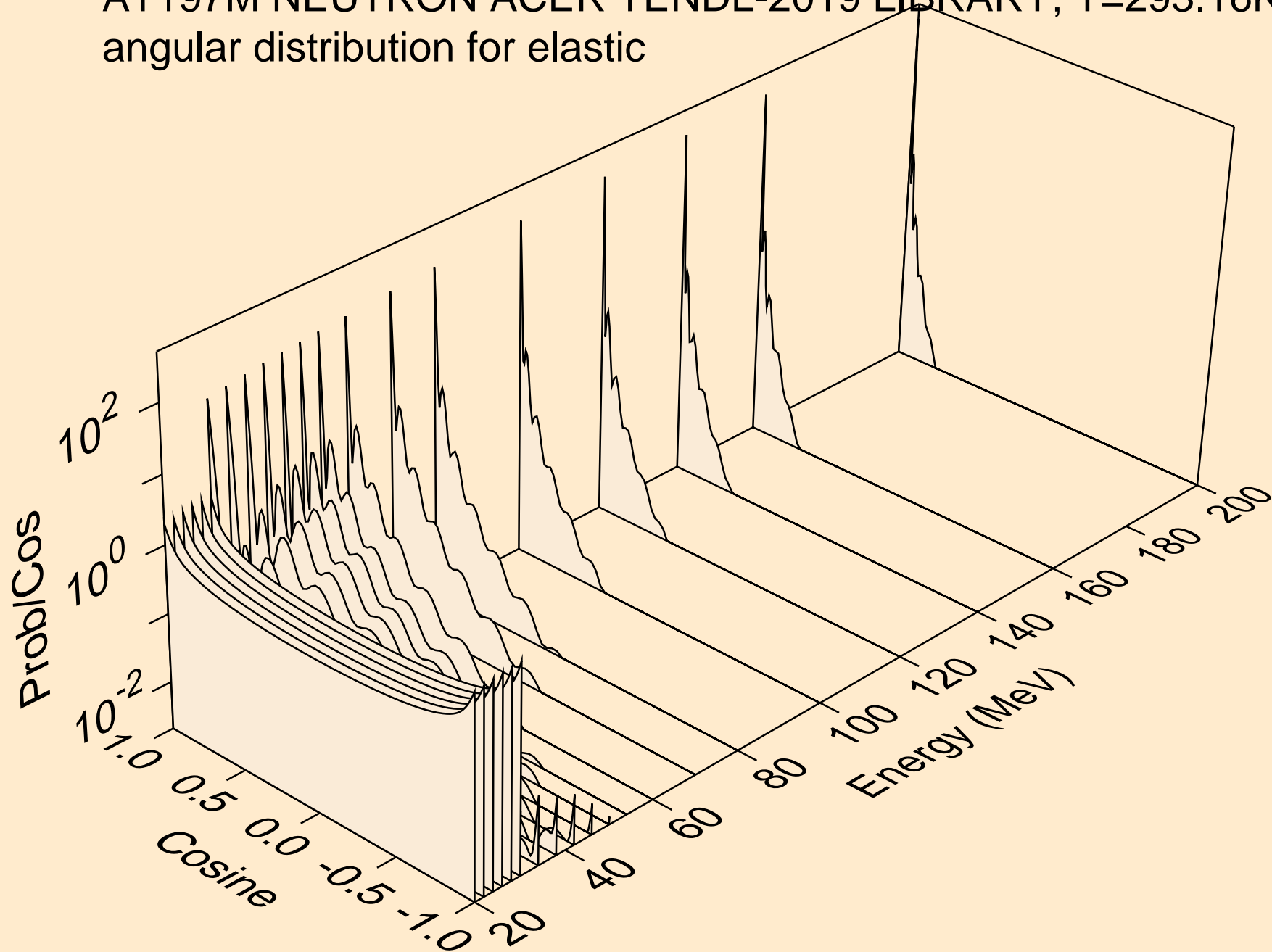
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



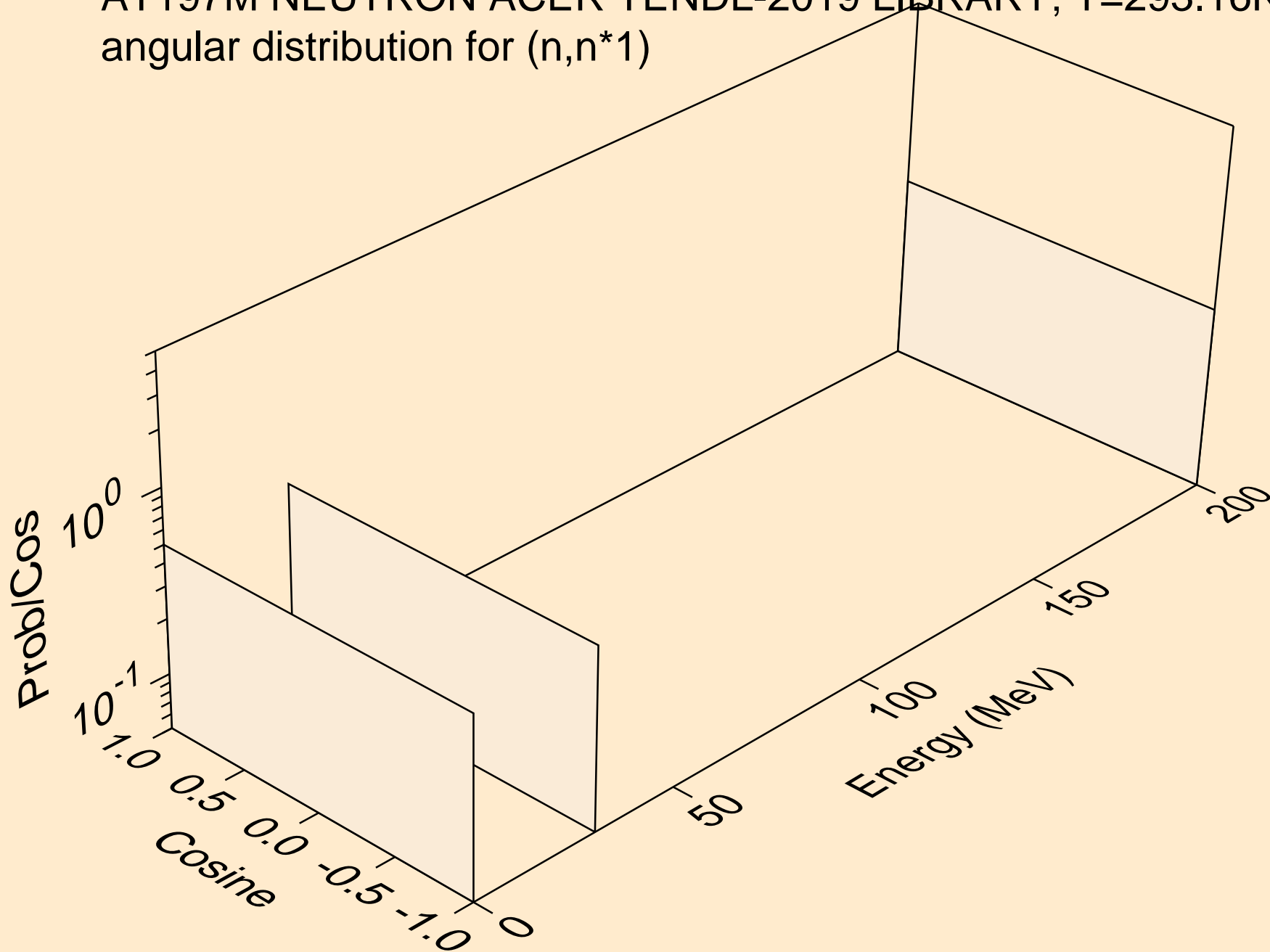
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

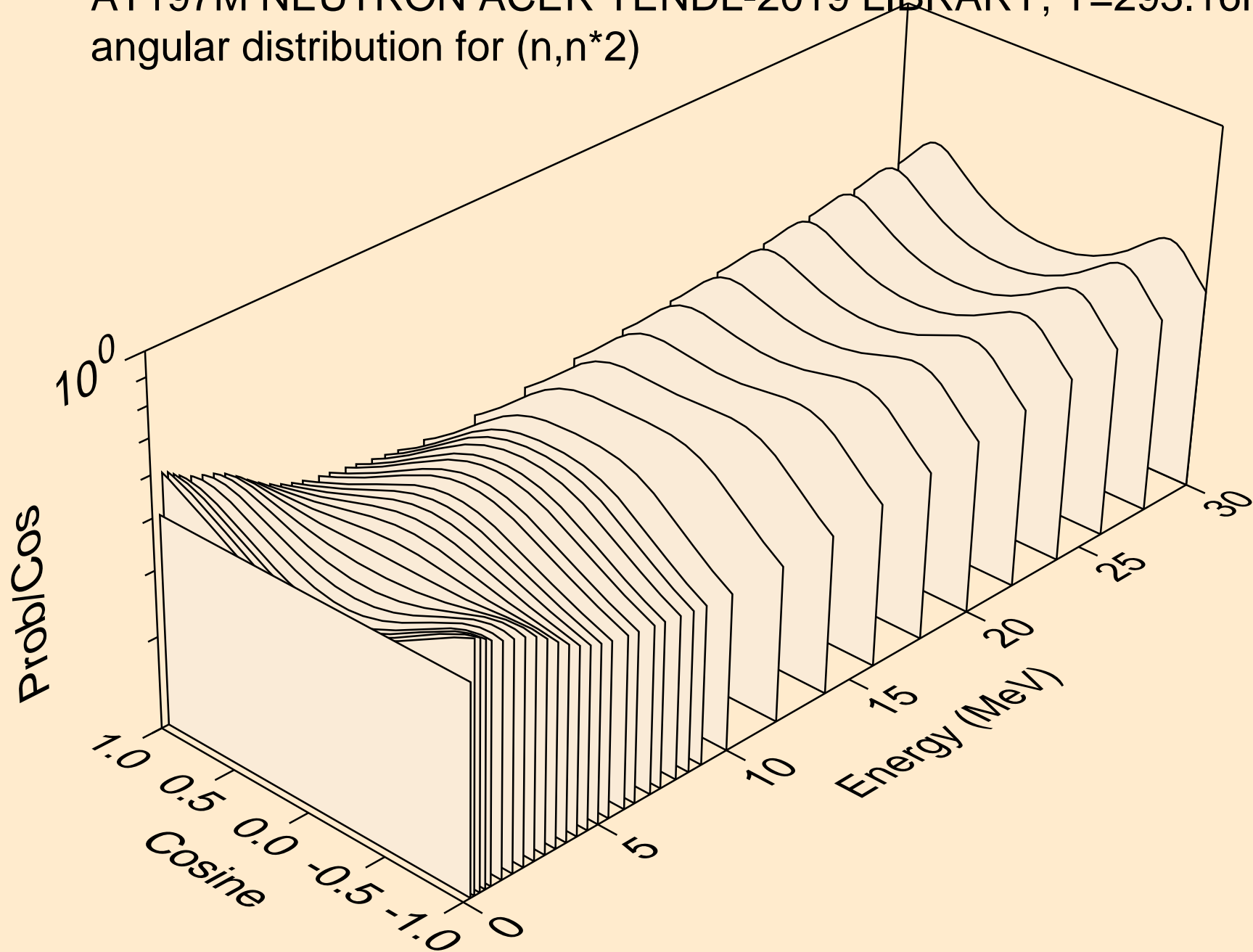


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angular distribution for (n,n\*1)

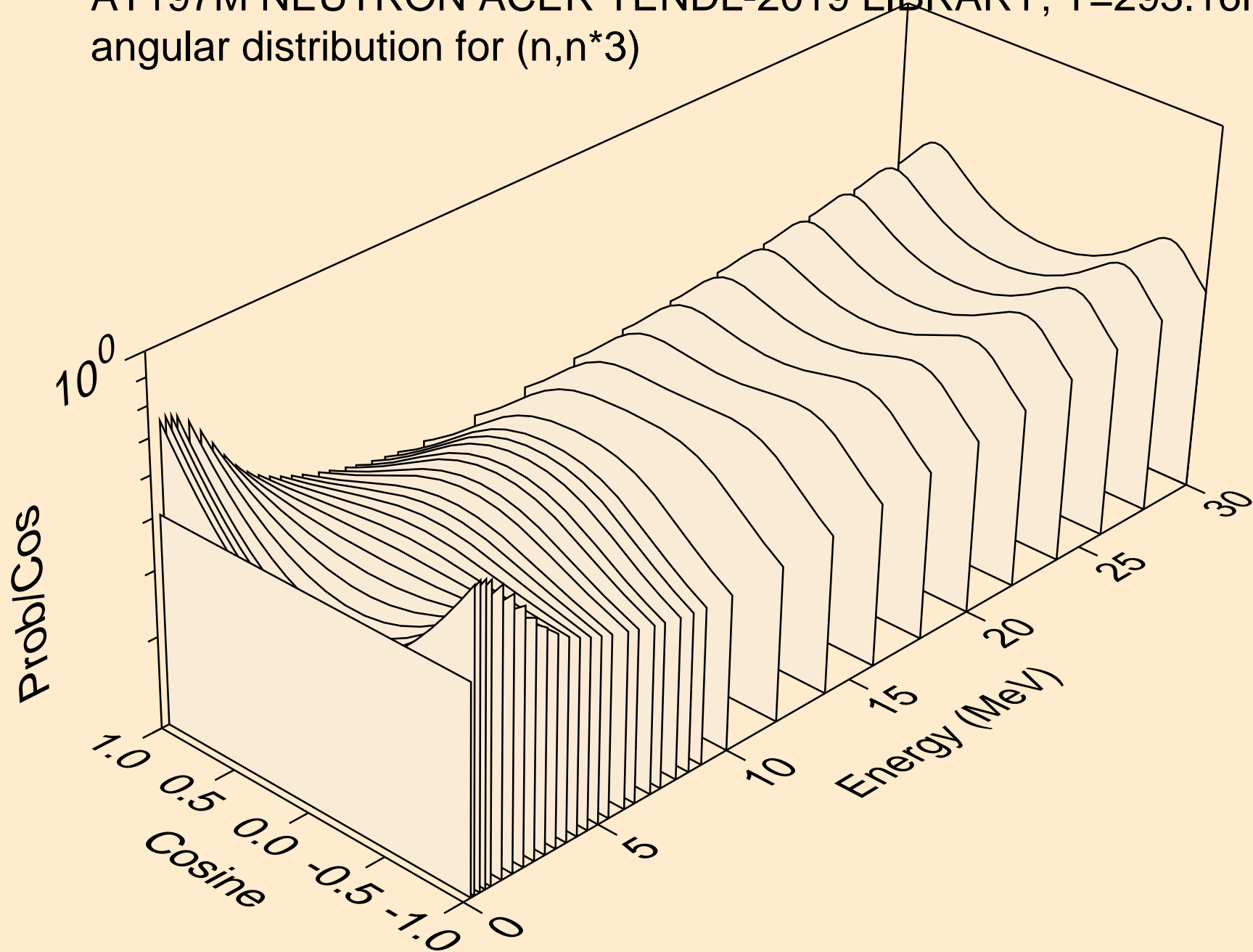




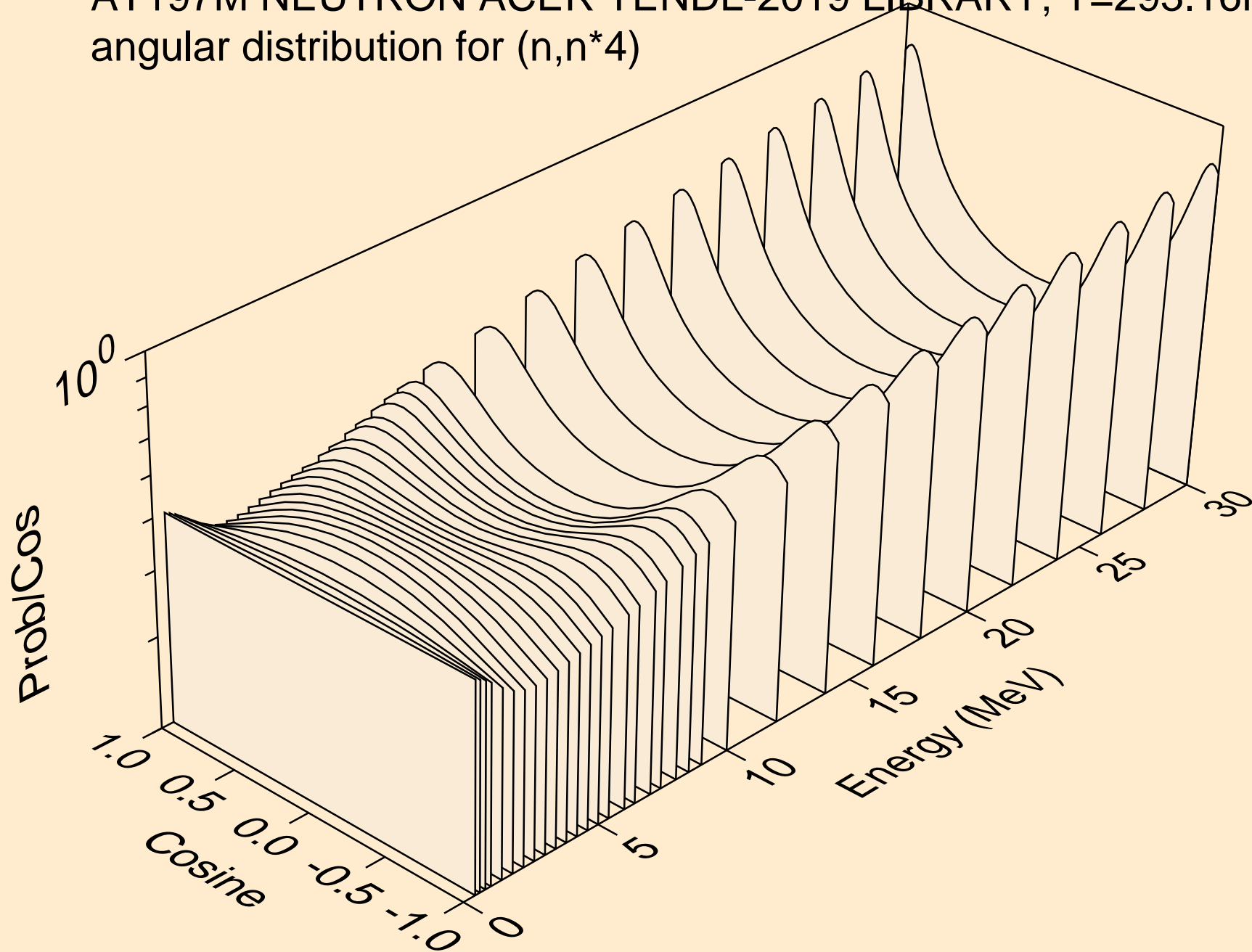
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angular distribution for (n,n\*2)



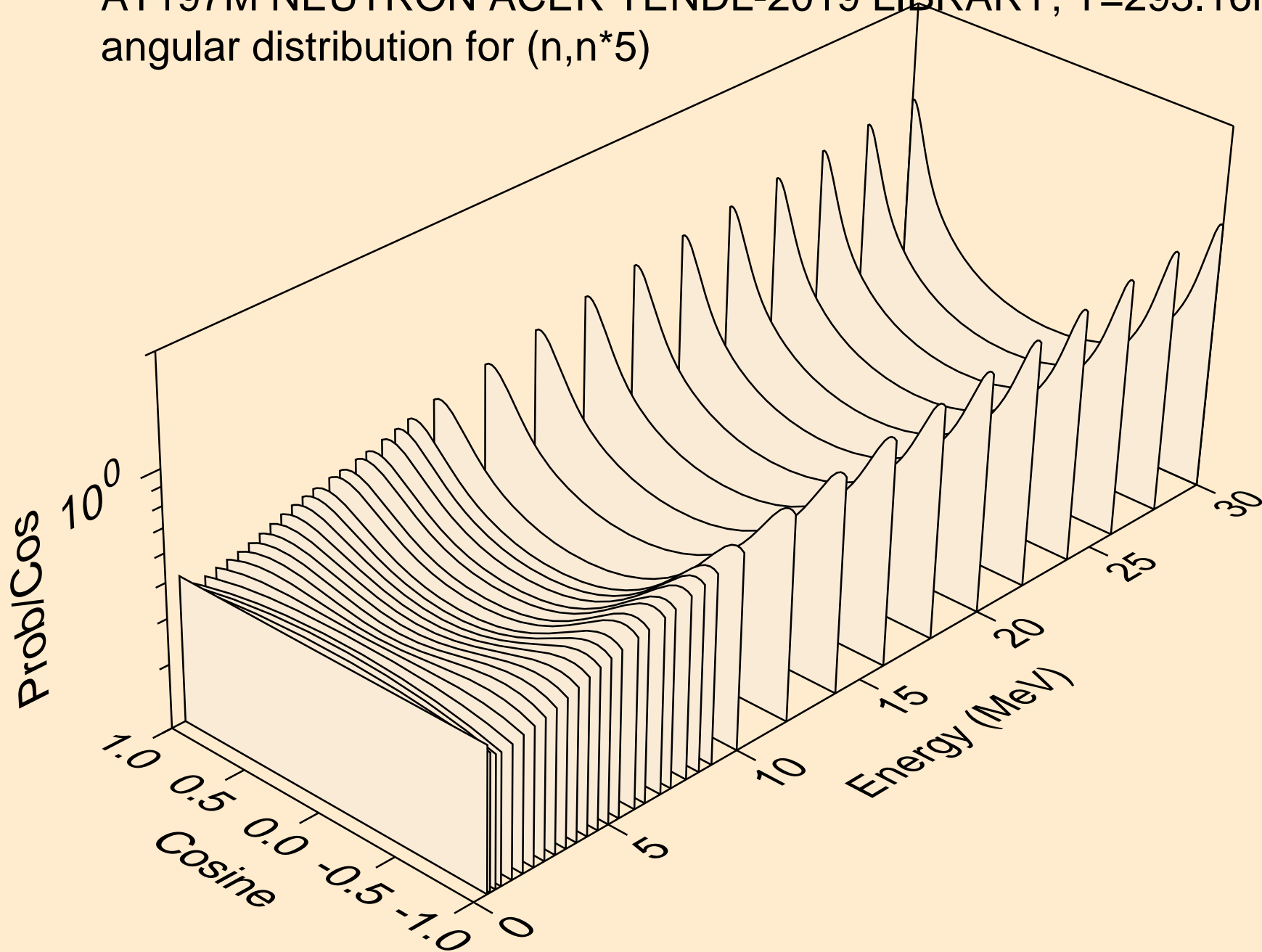
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angular distribution for (n,n\*3)



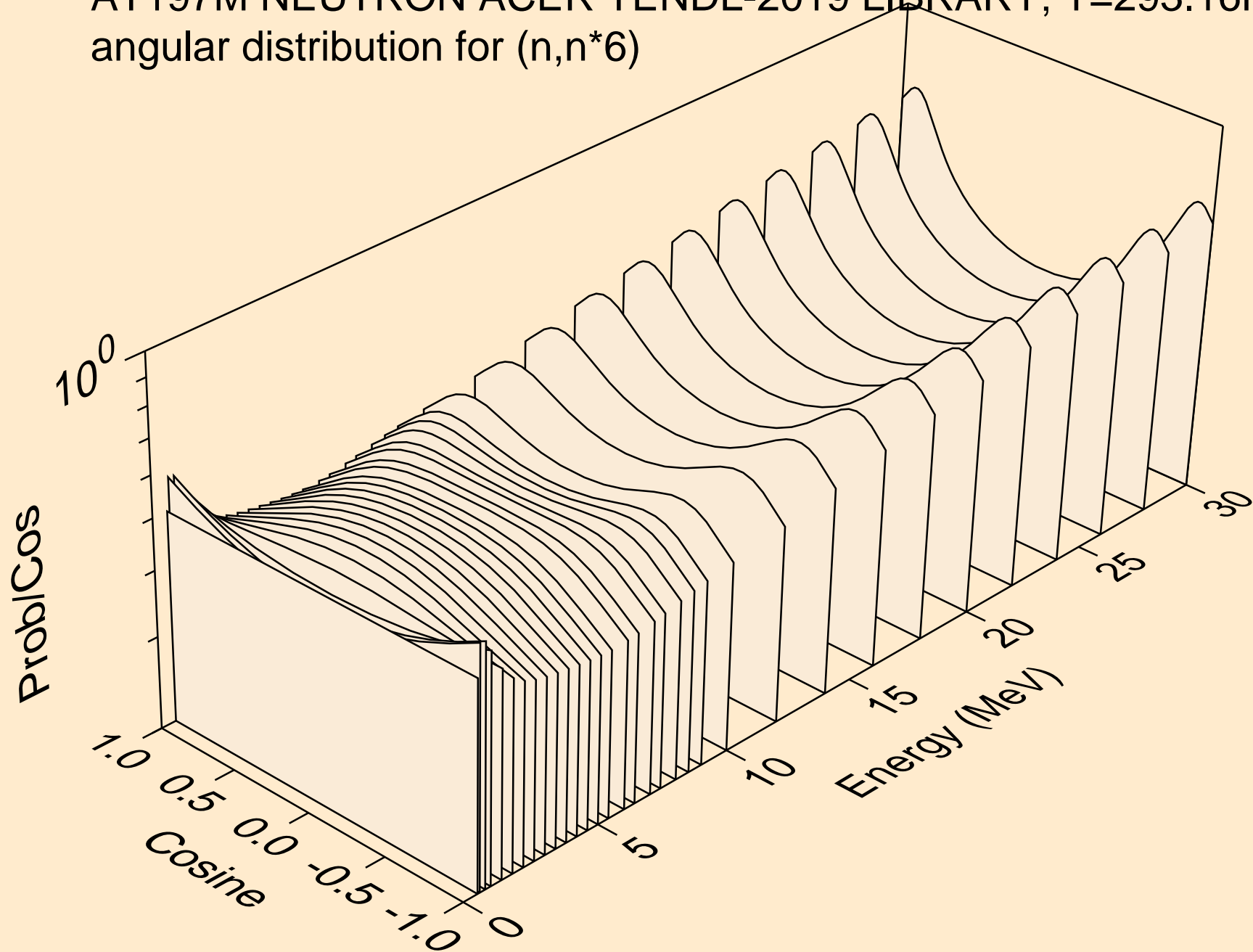
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angular distribution for (n,n\*4)



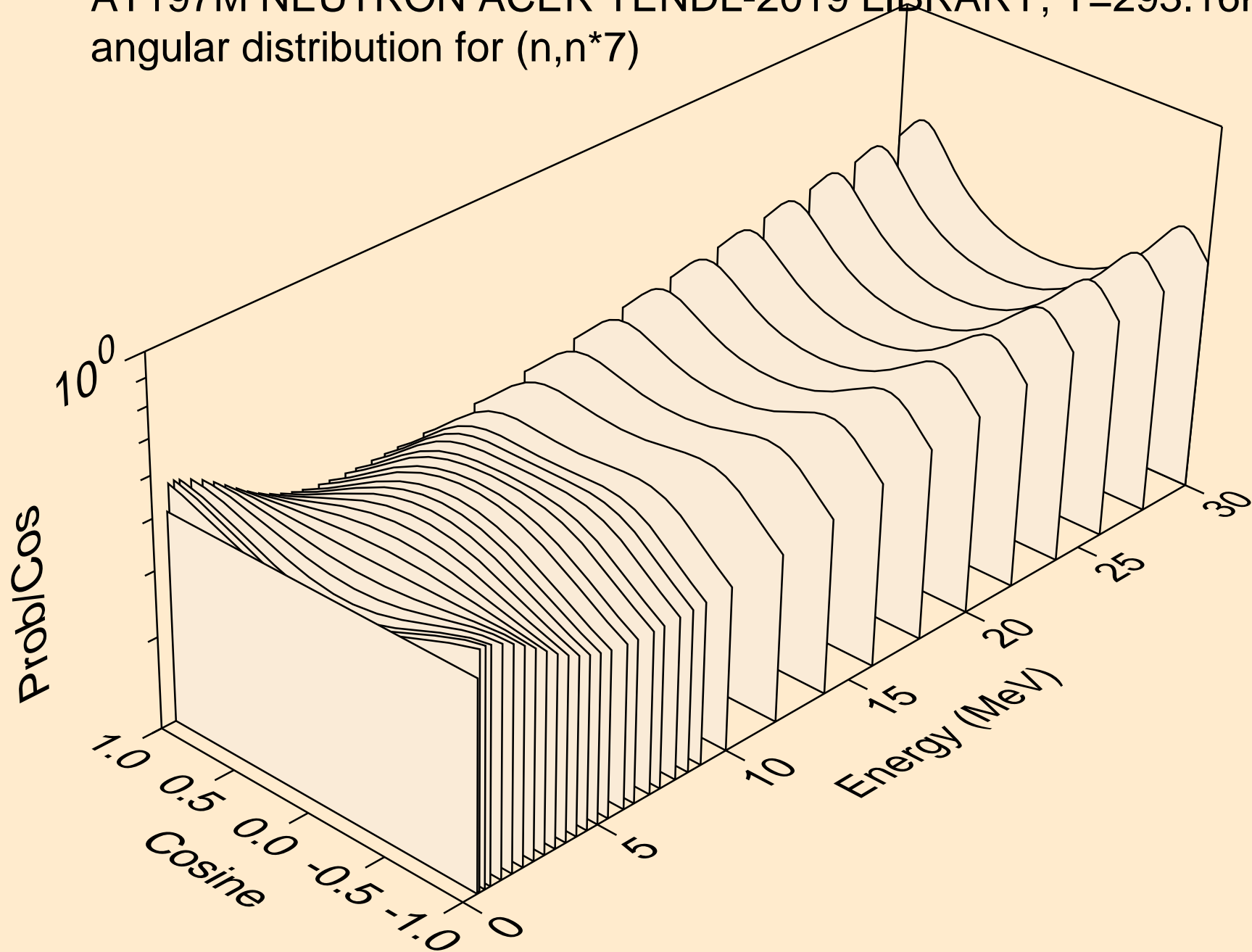
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angular distribution for (n,n\*5)



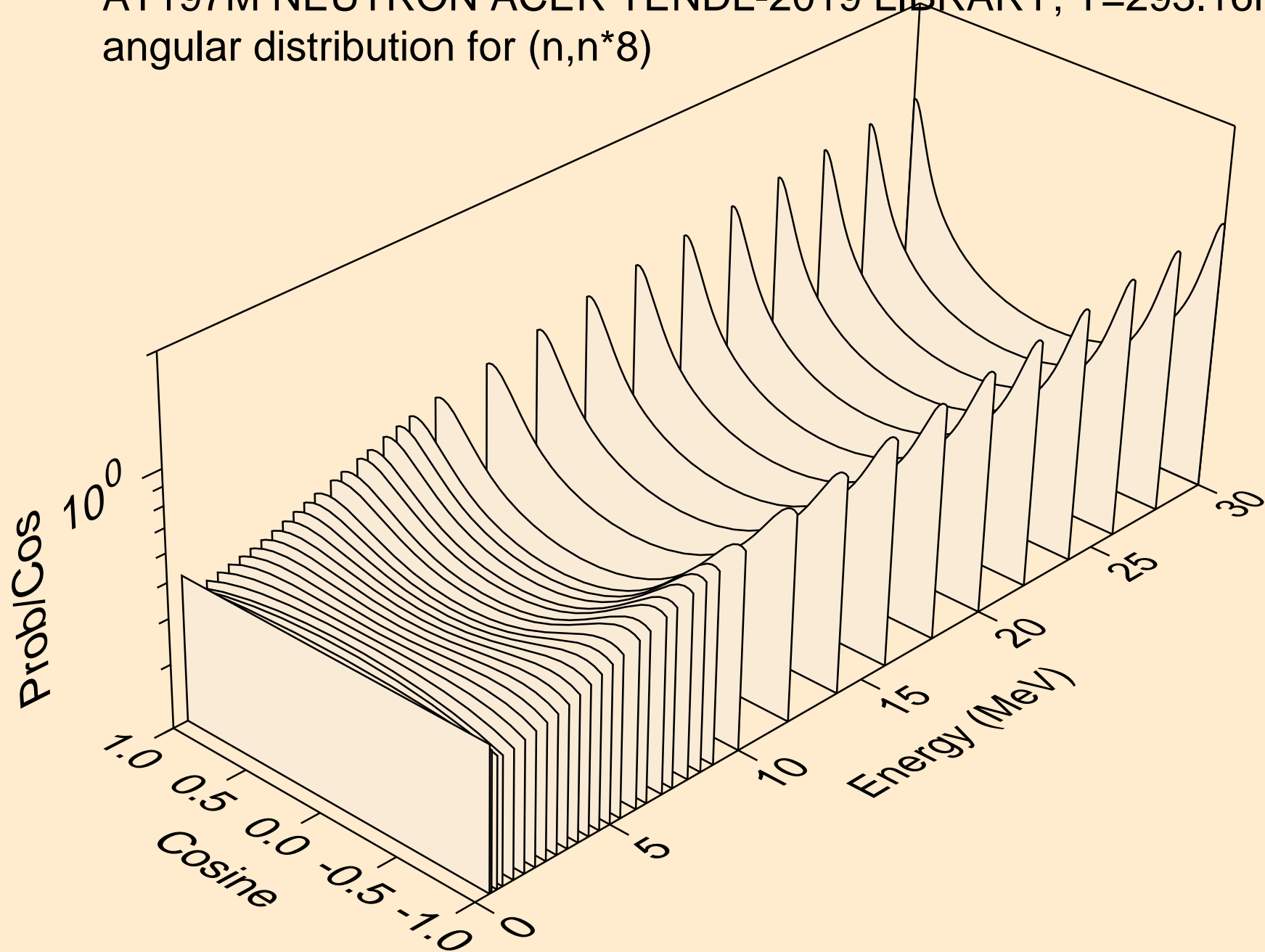
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angular distribution for (n,n\*6)



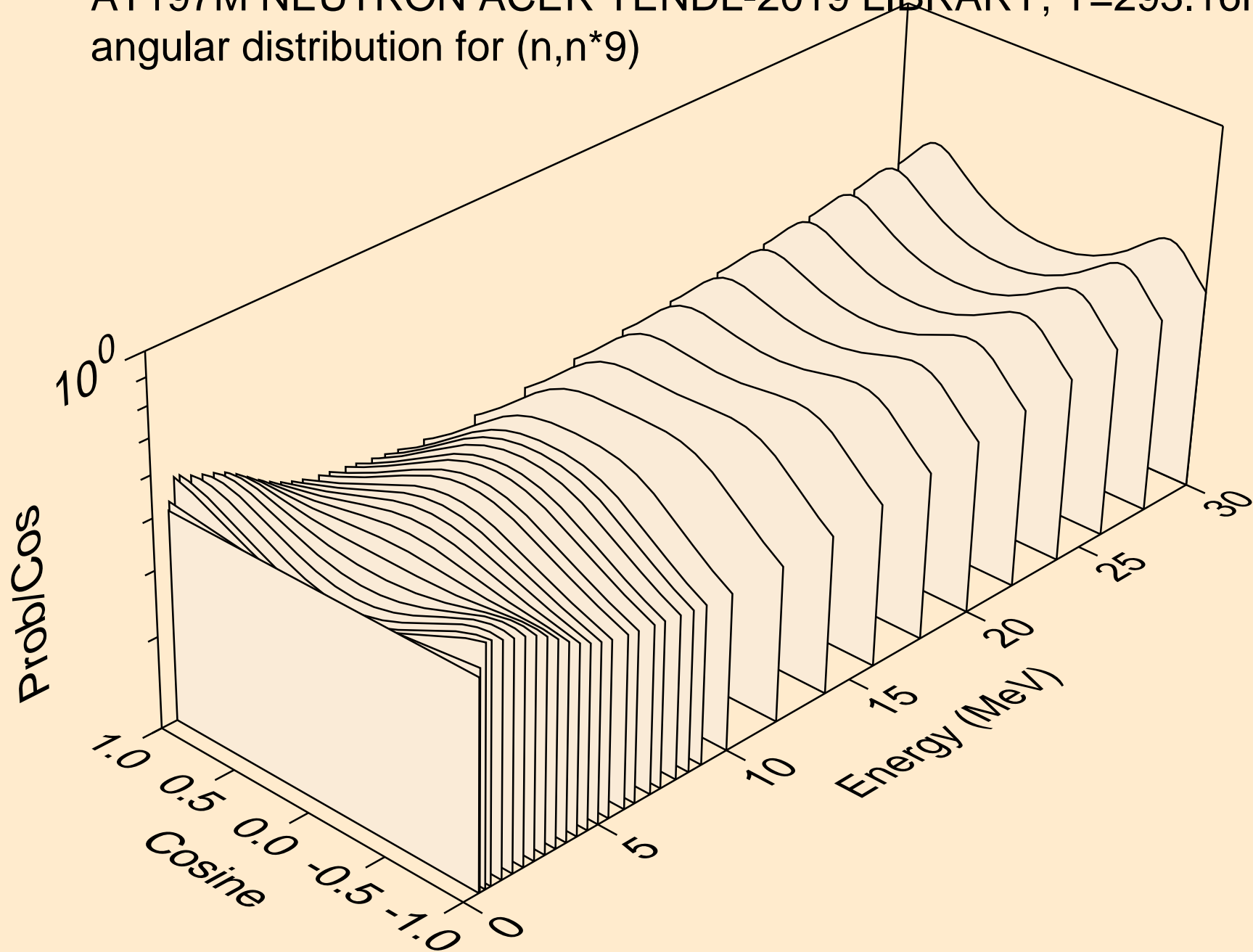
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

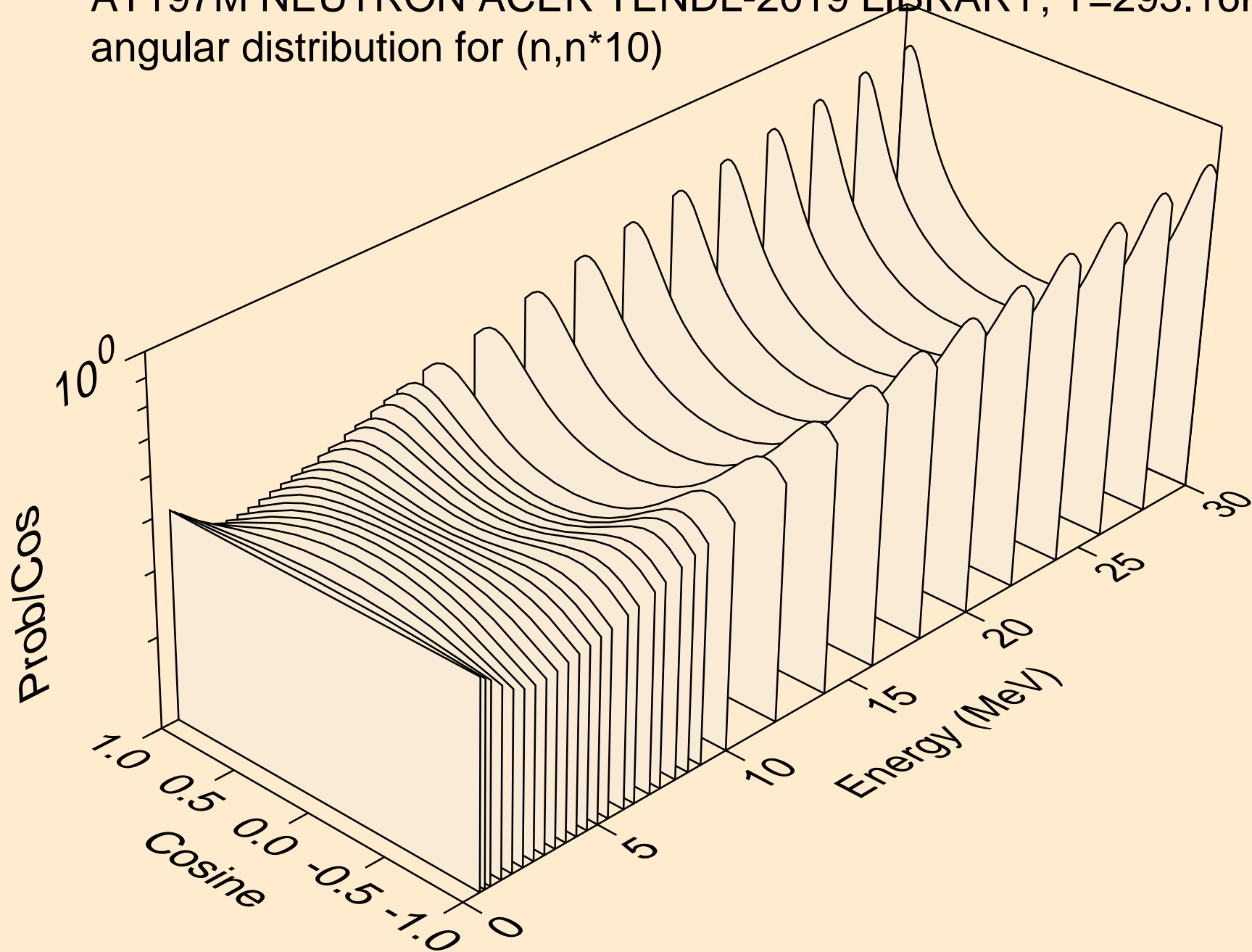


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

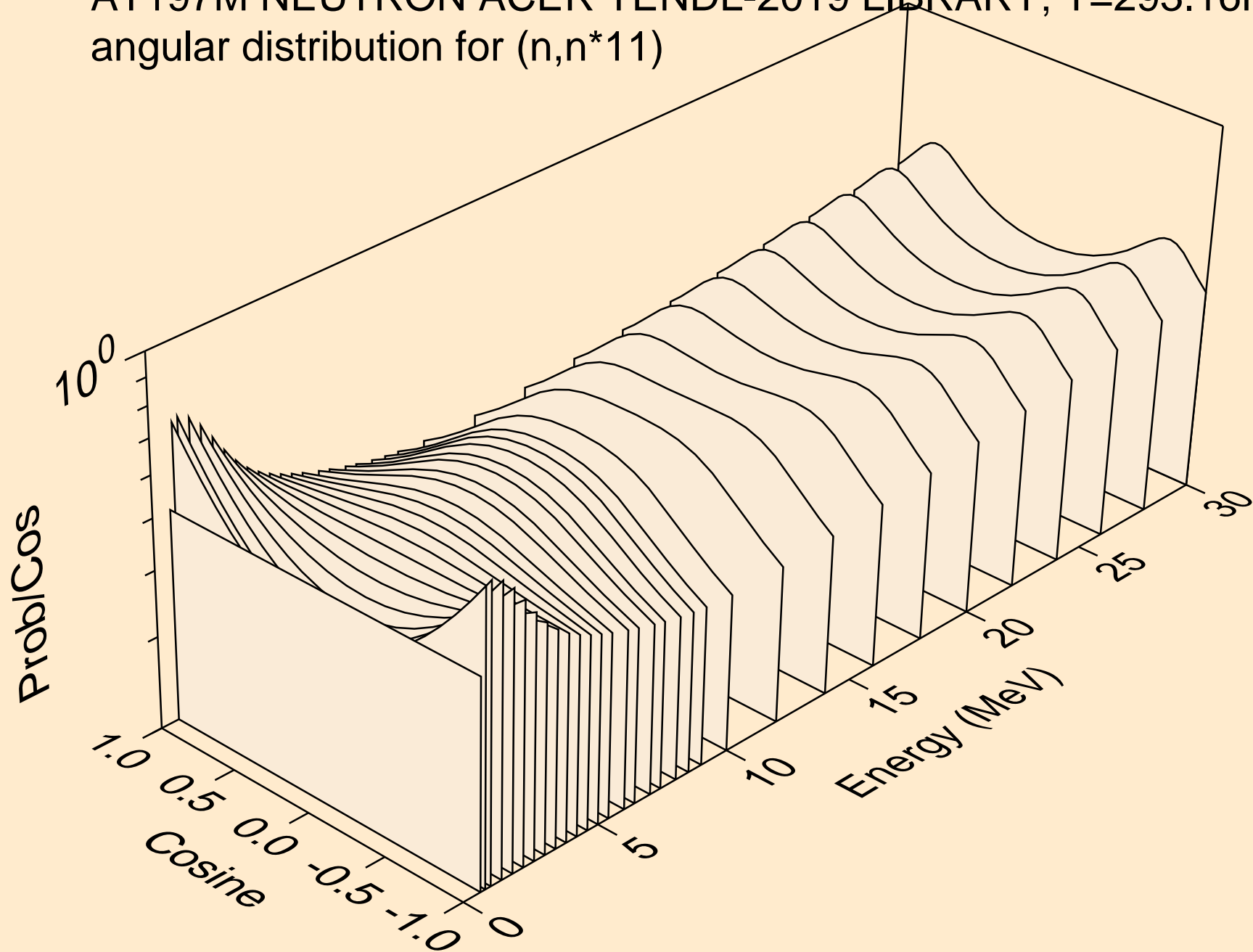




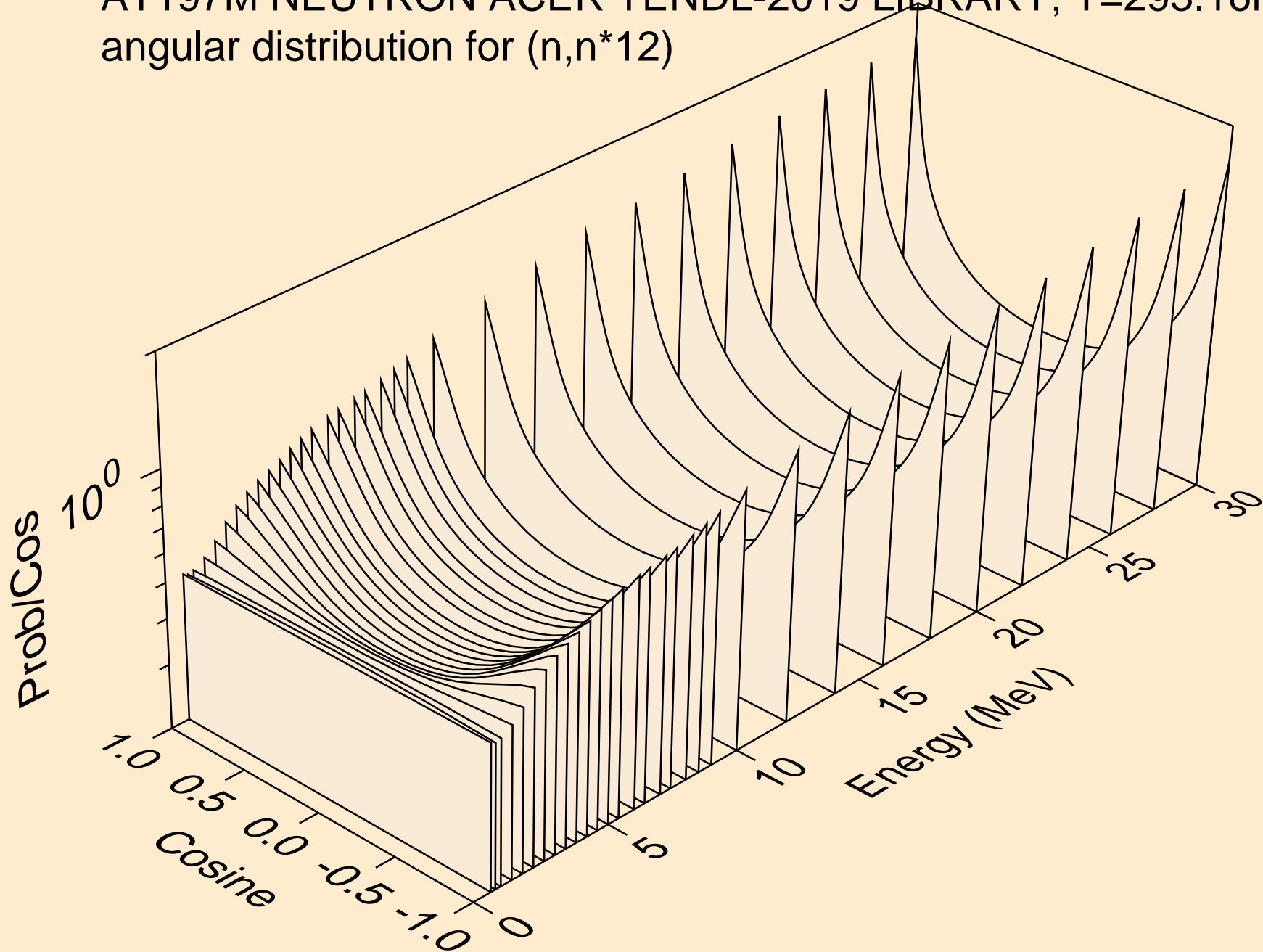
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angular distribution for (n,n\*10)



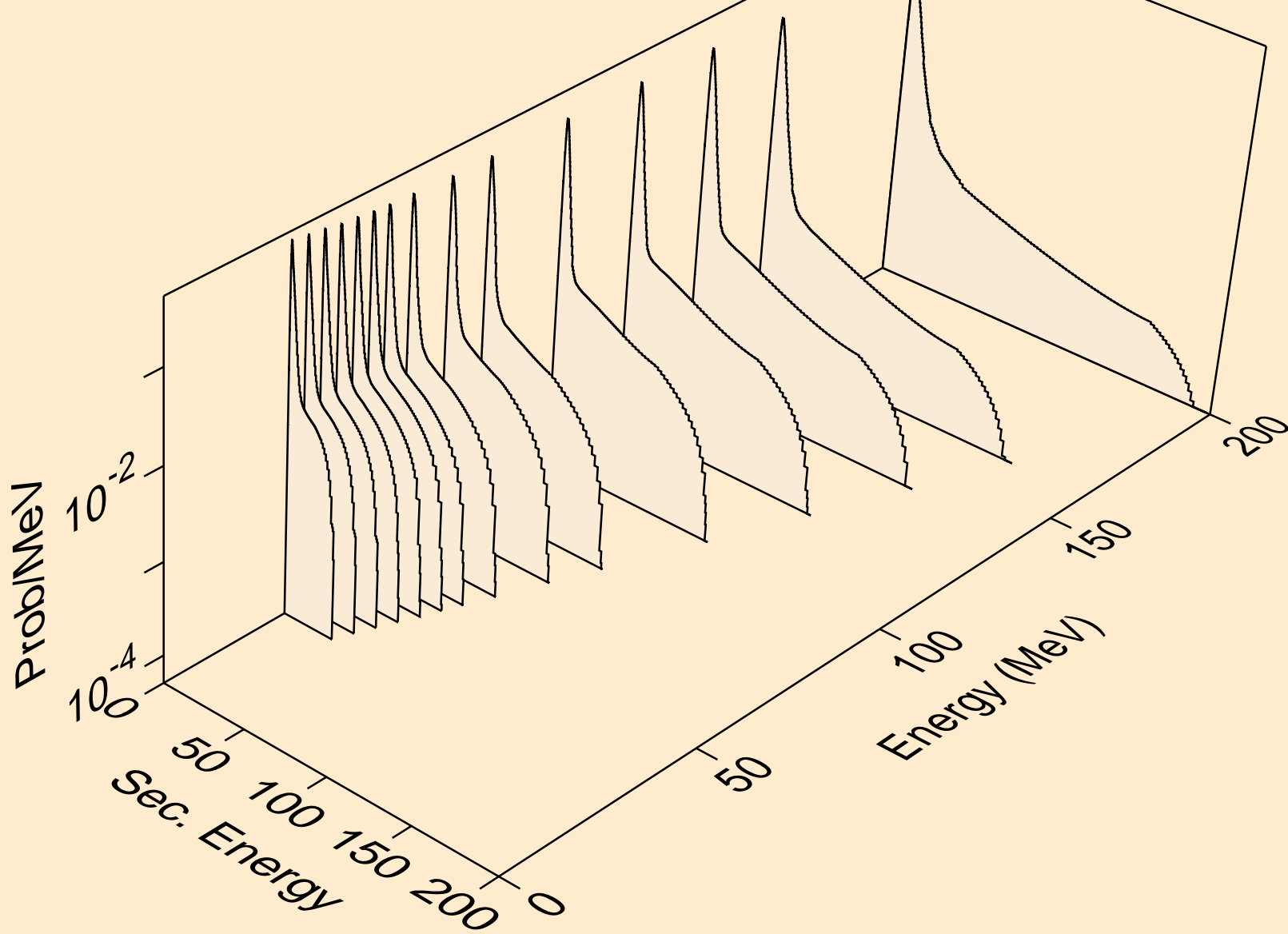
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angular distribution for (n,n\*11)



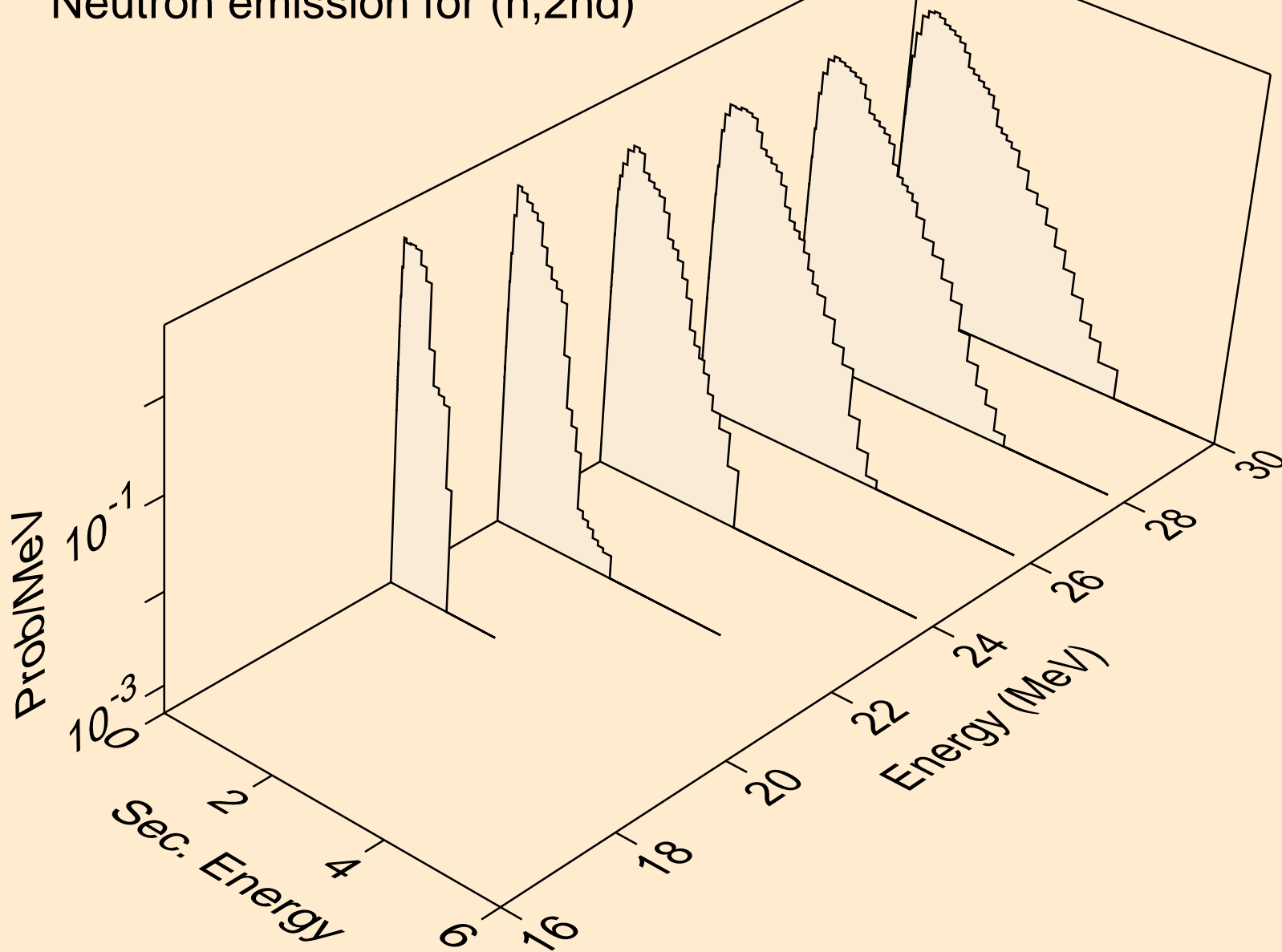
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angular distribution for (n,n\*12)



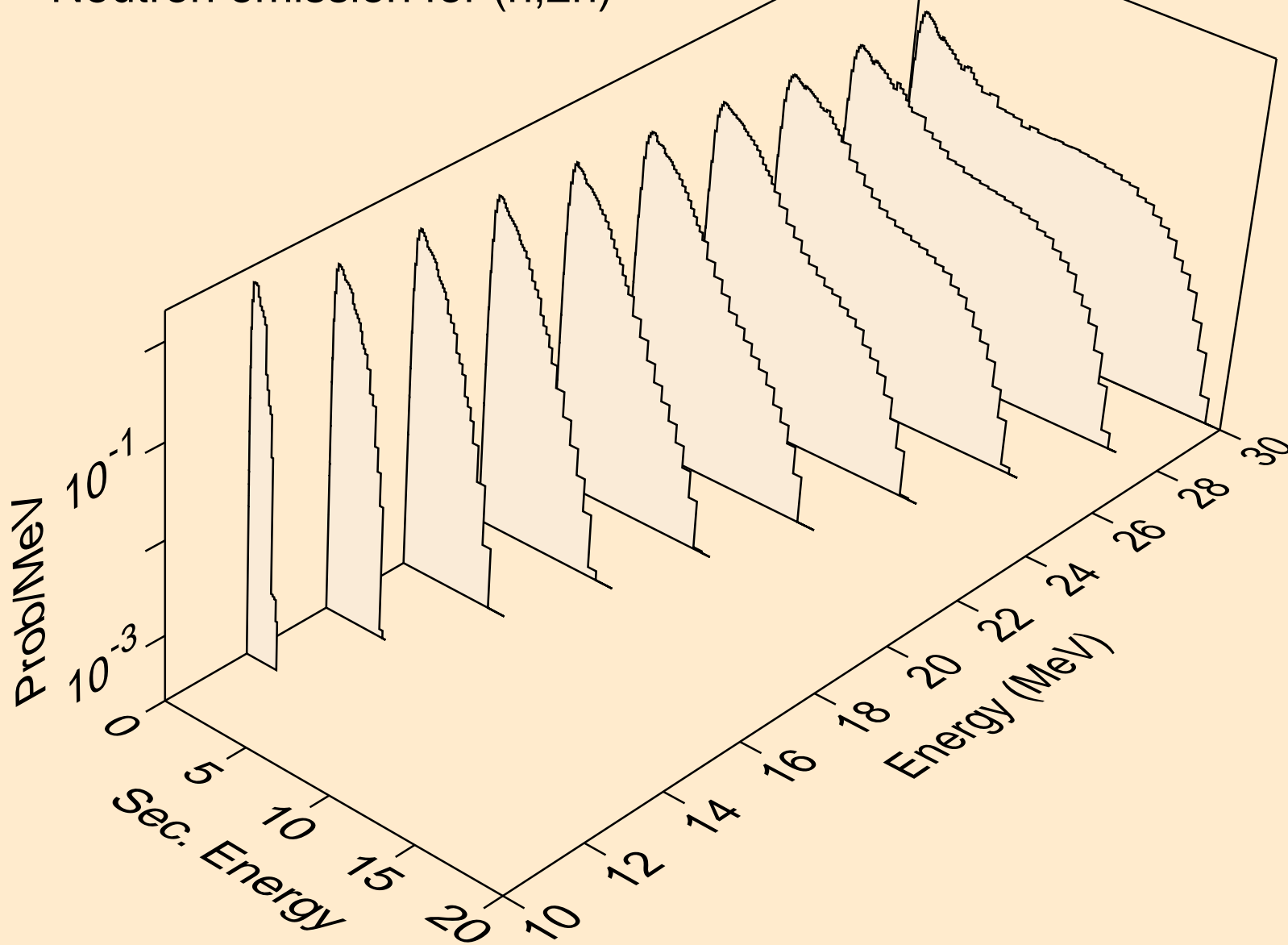
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Neutron emission for (n,x)



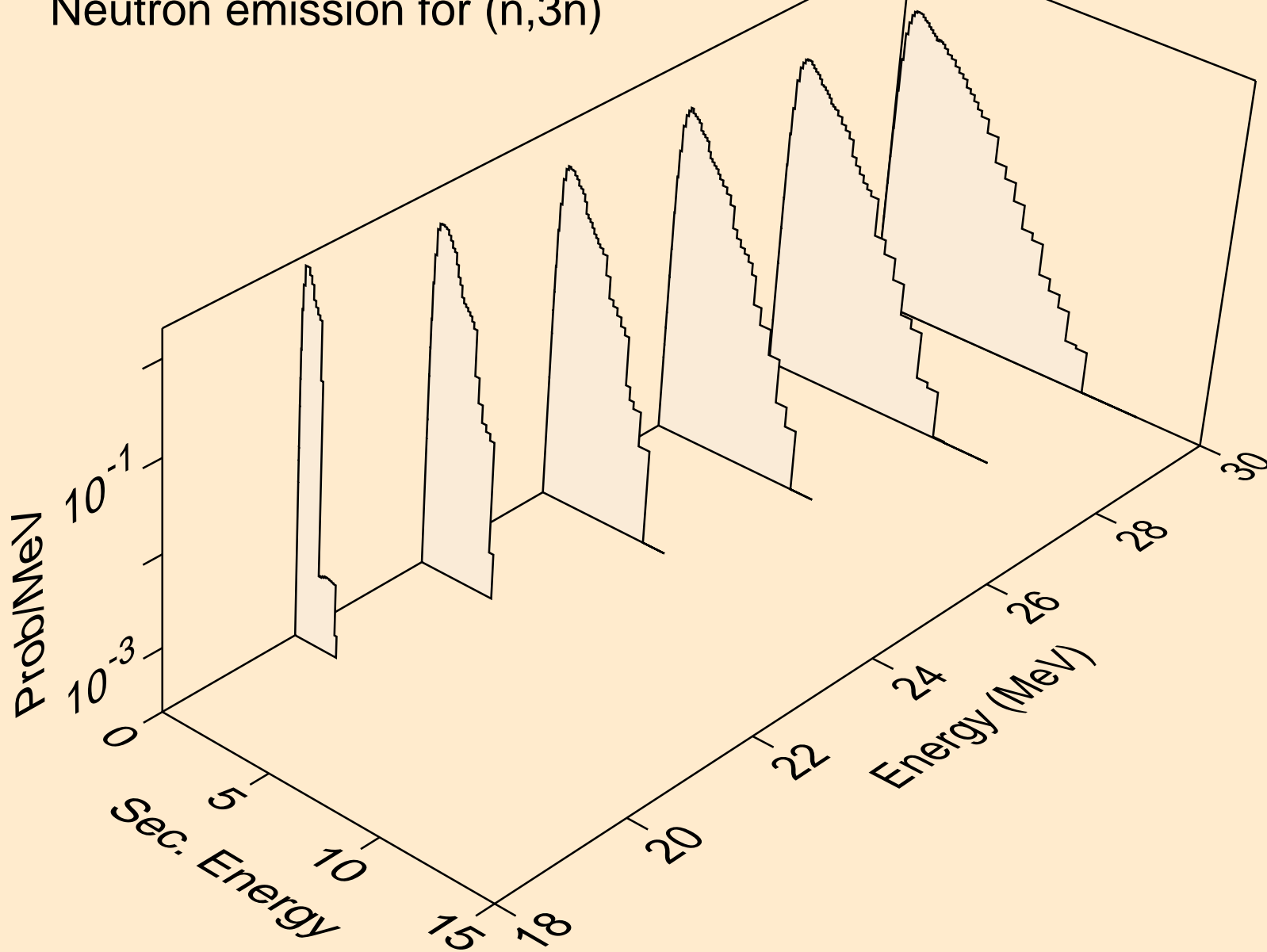
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



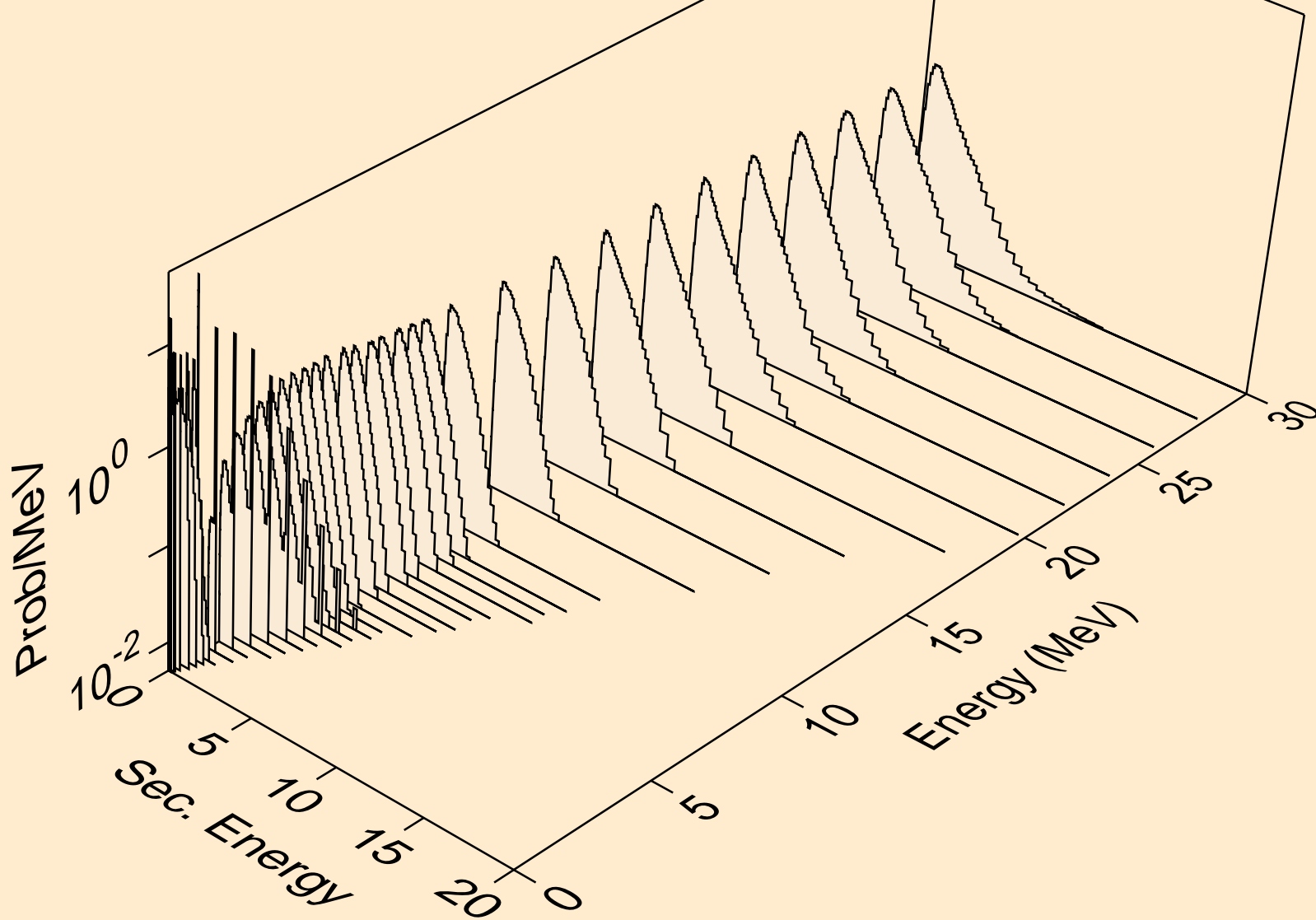
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

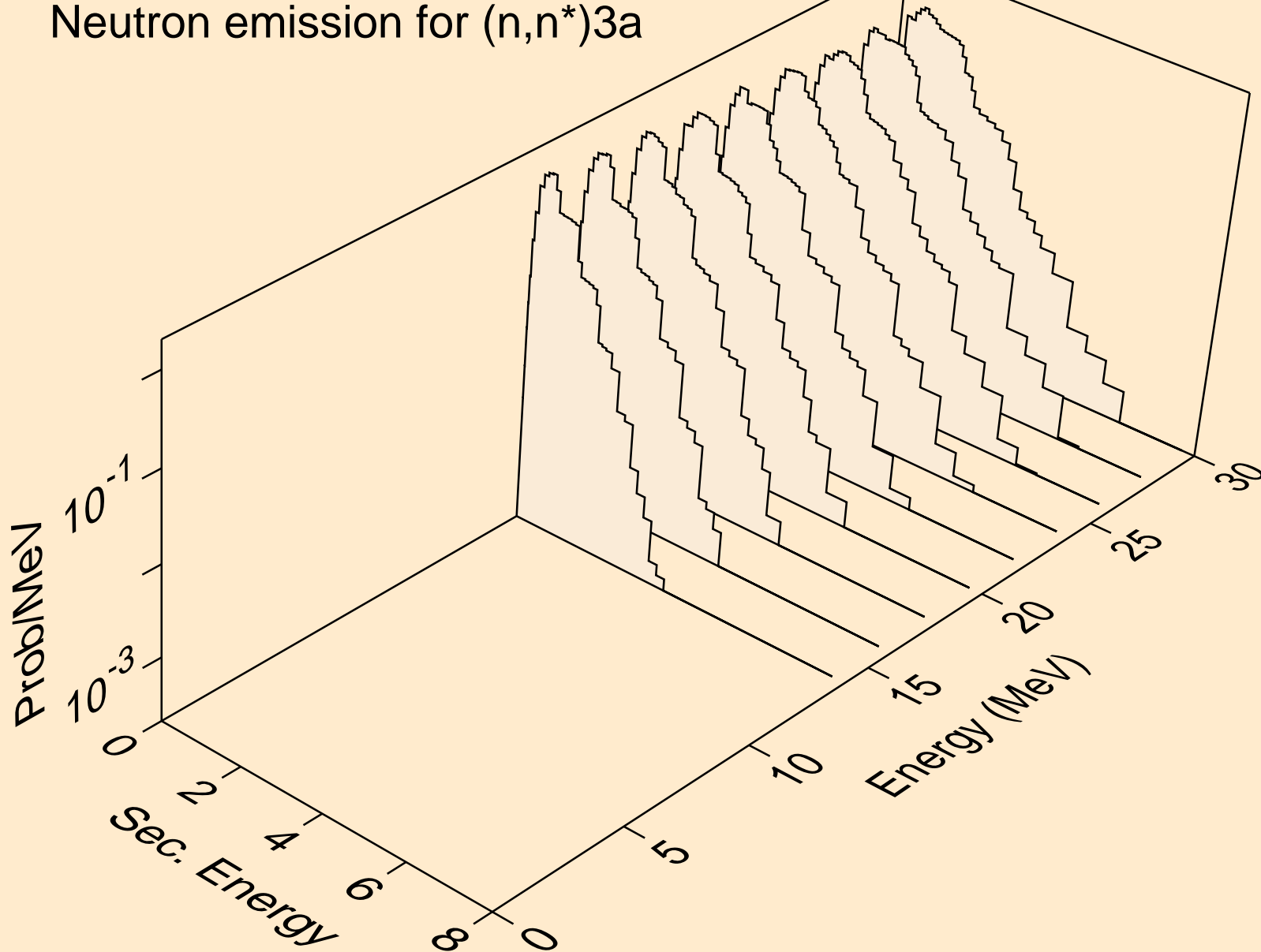


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

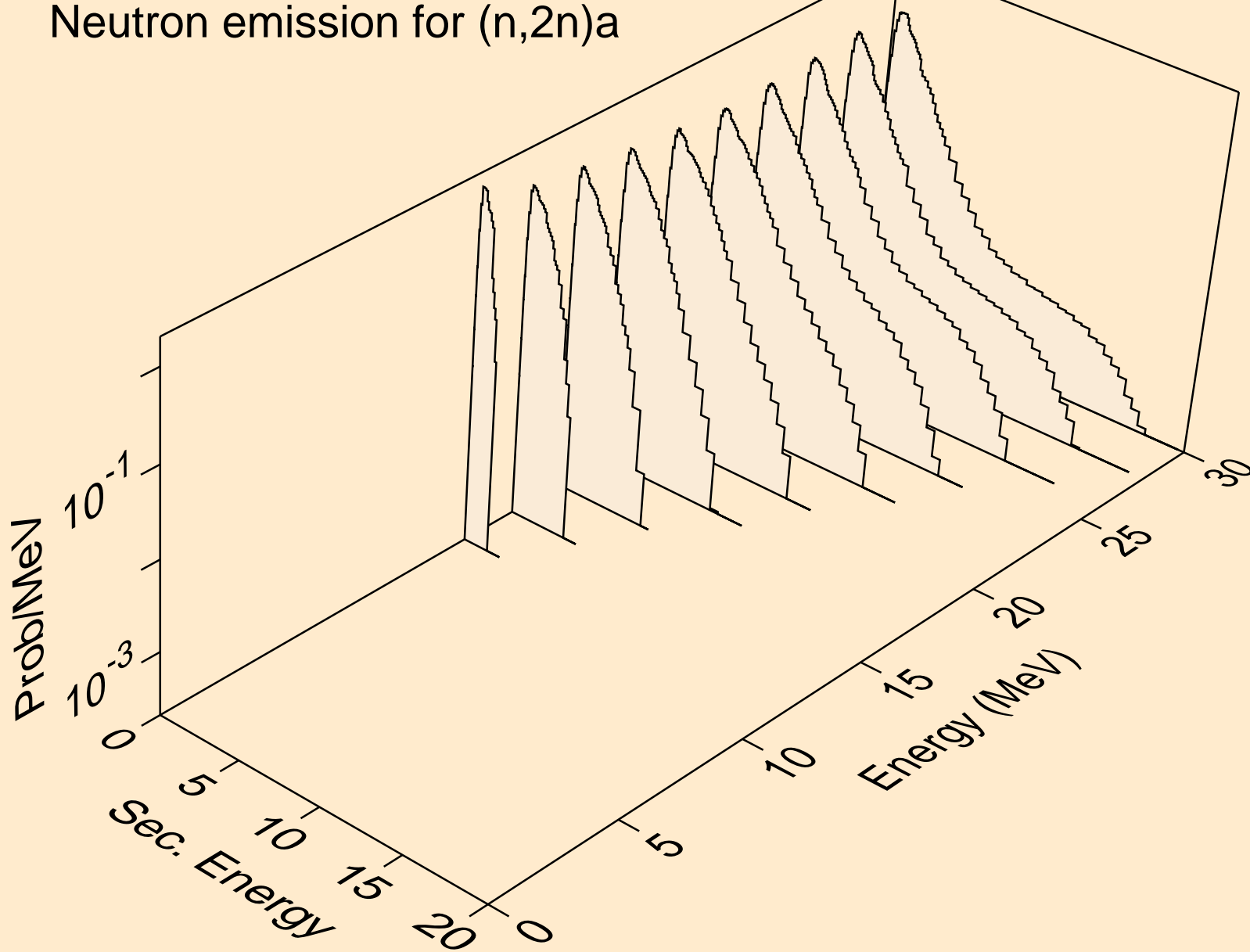




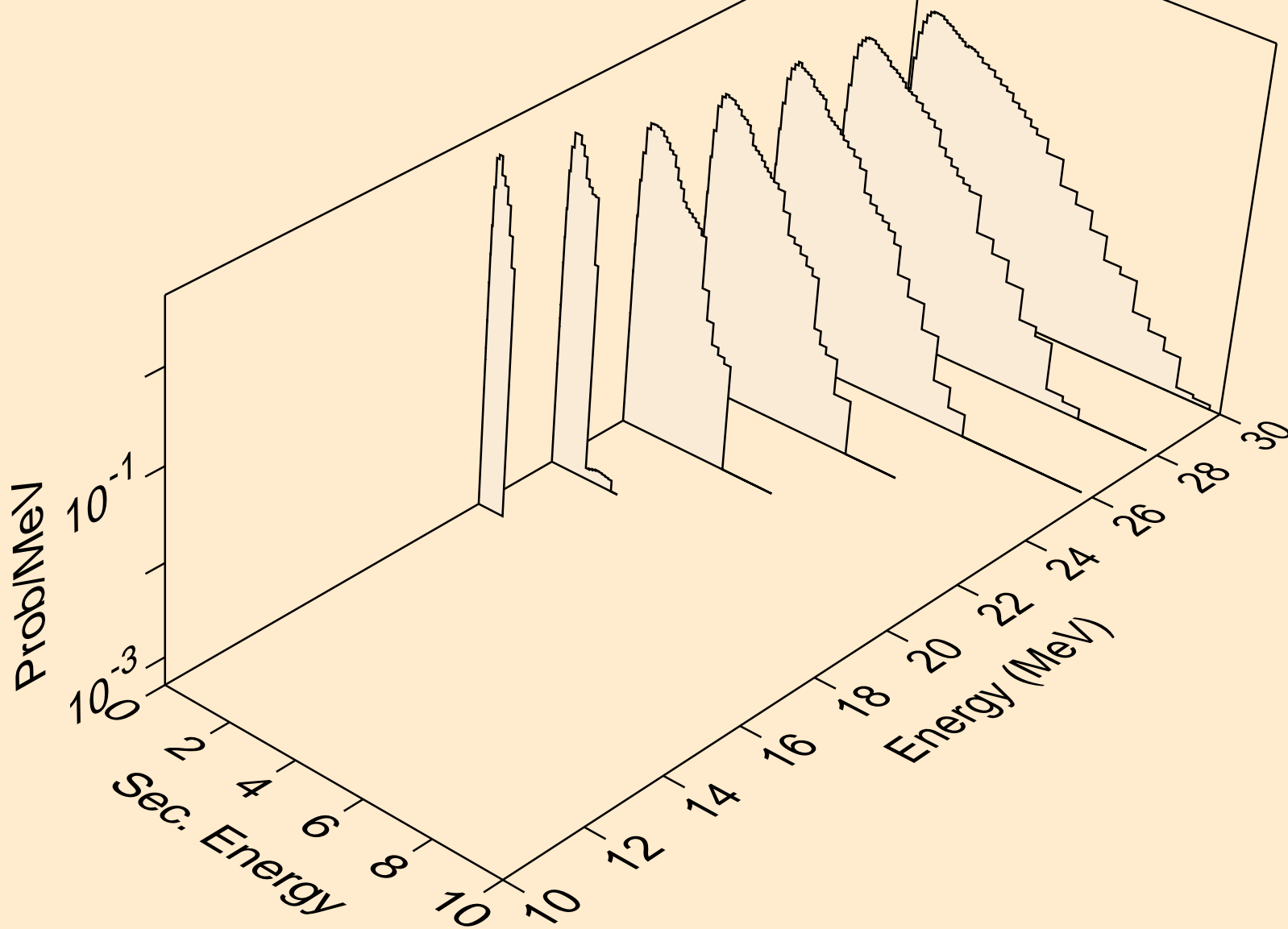
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)3a



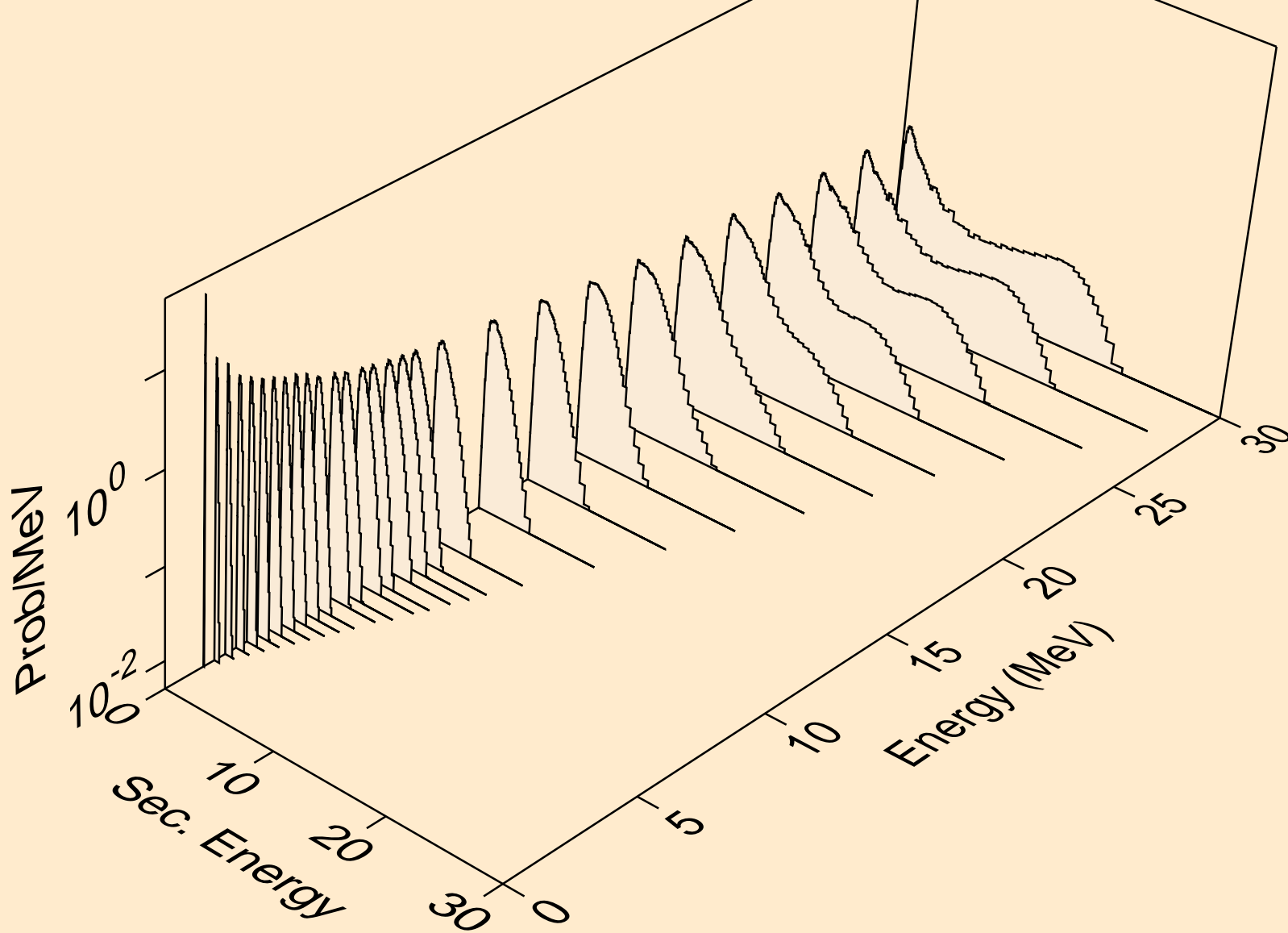
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Neutron emission for (n,2n)a



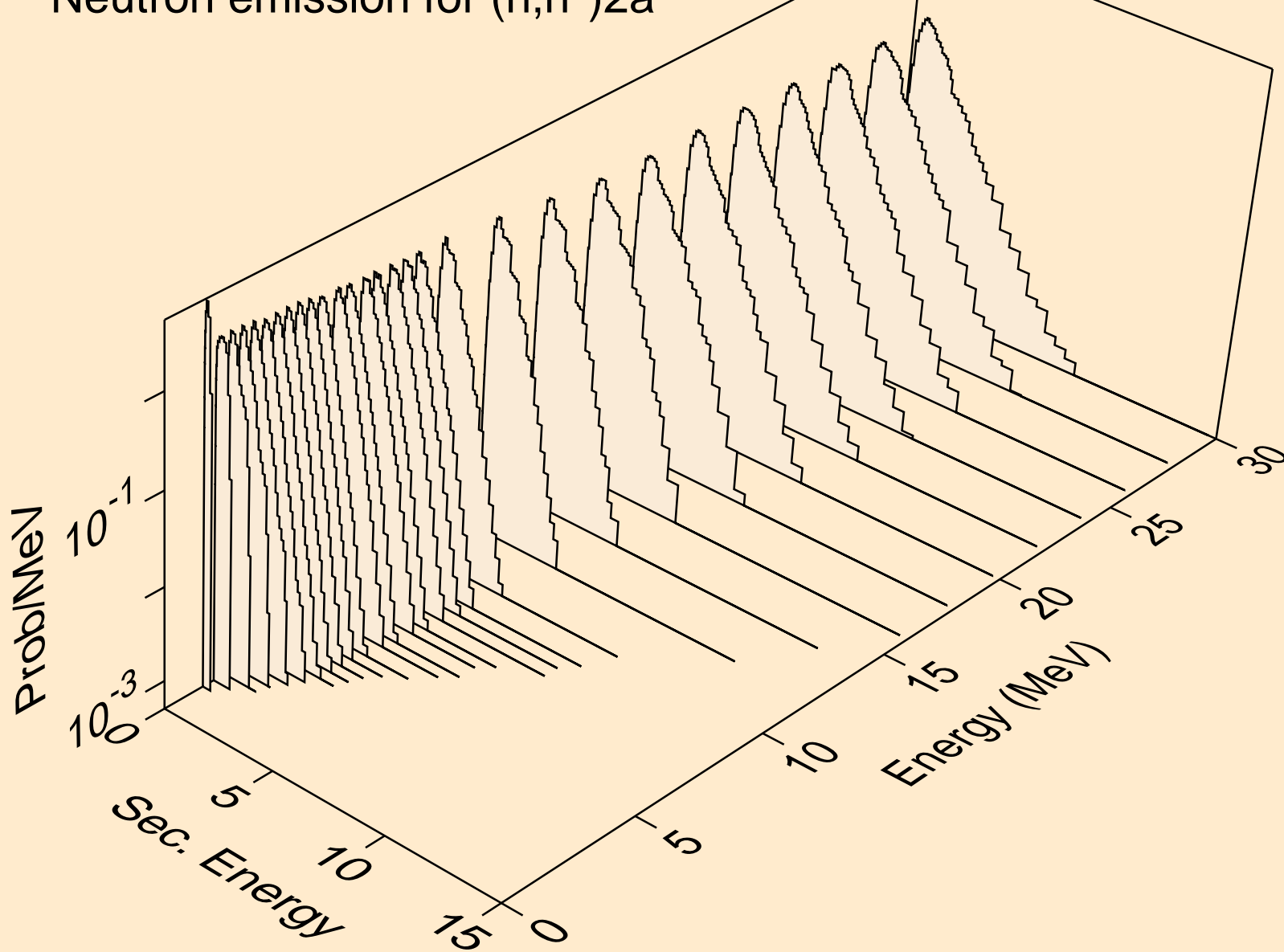
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Neutron emission for (n,3n)a



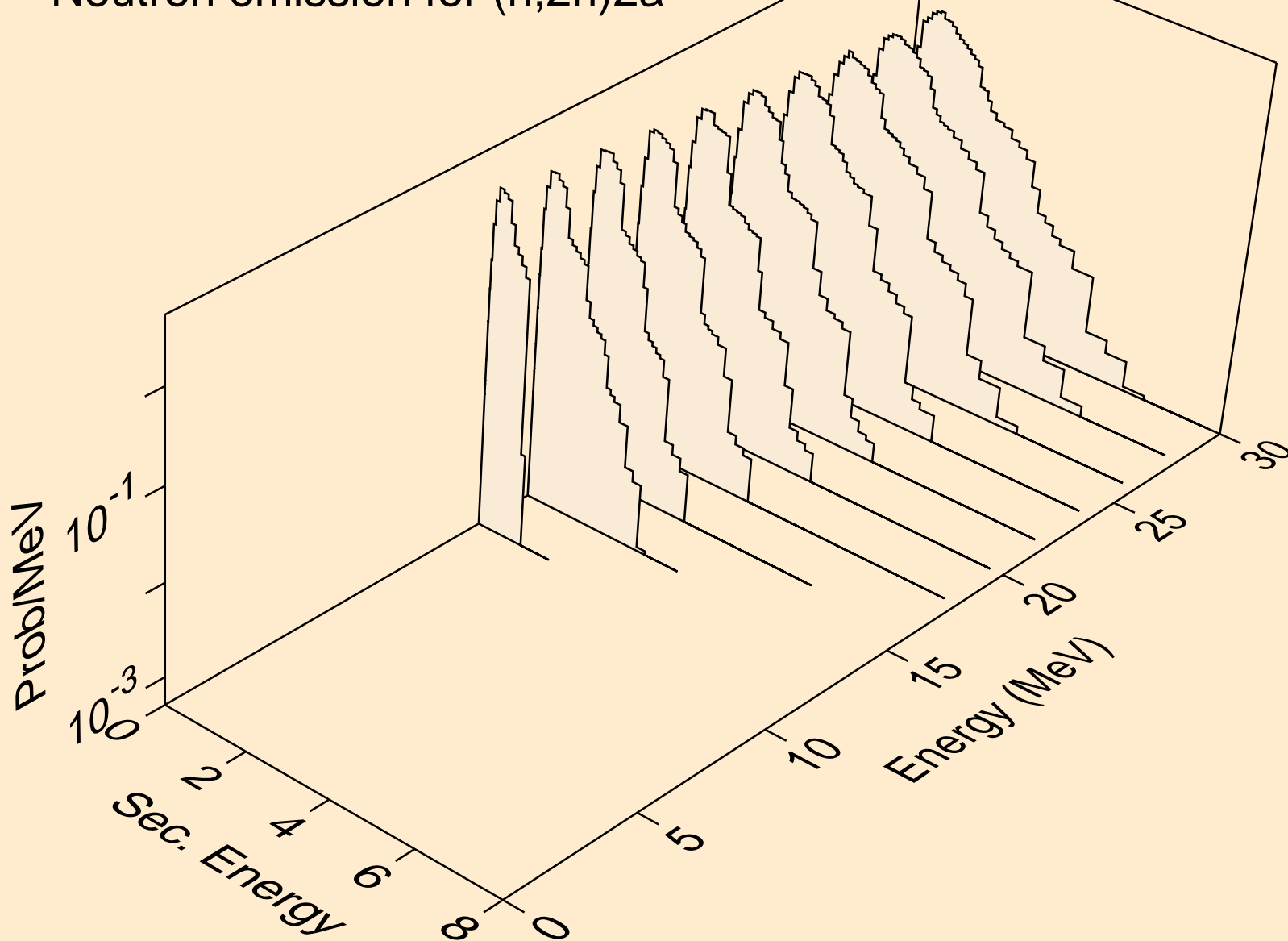
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



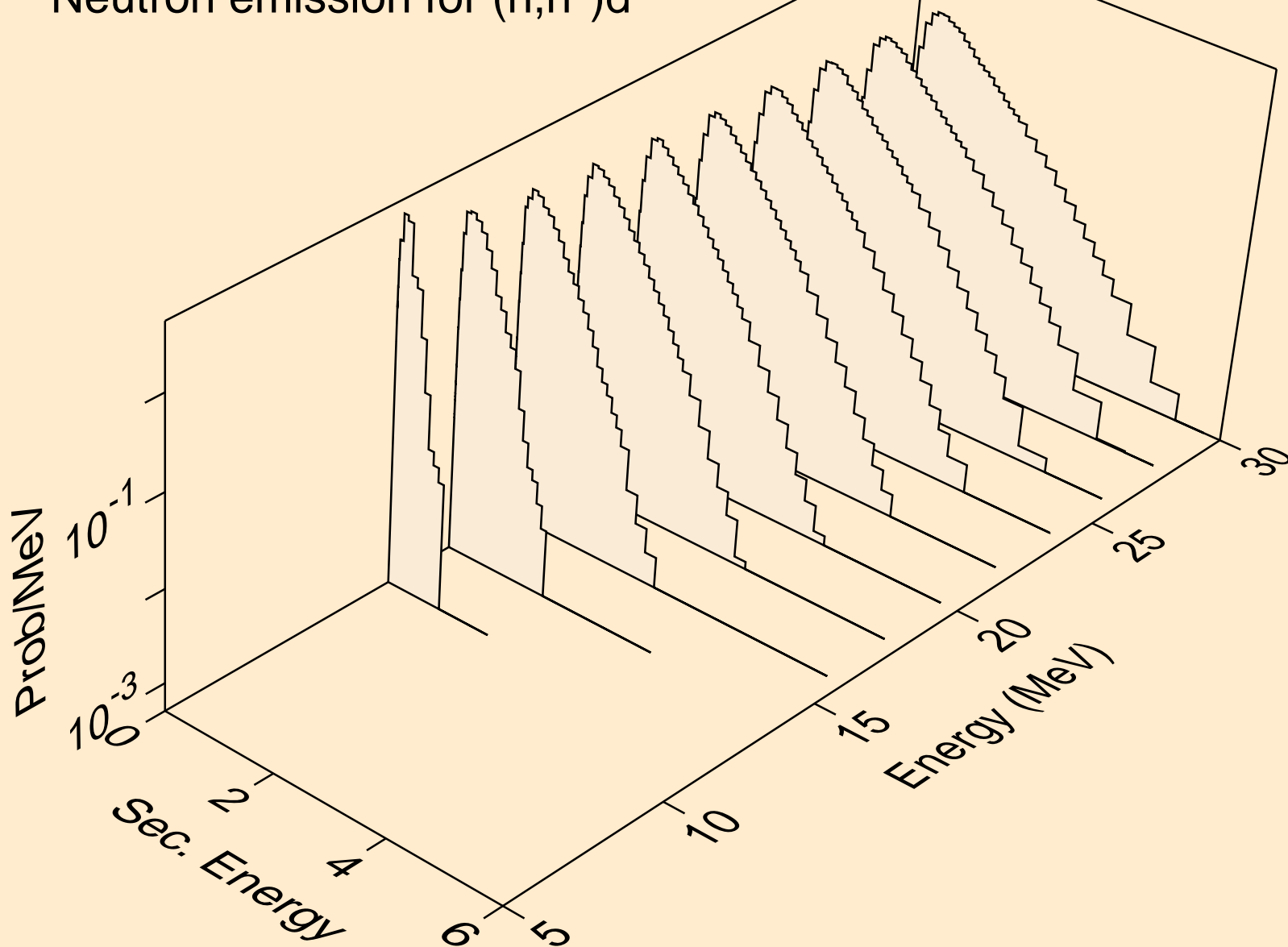
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Neutron emission for (n,n\*)2a



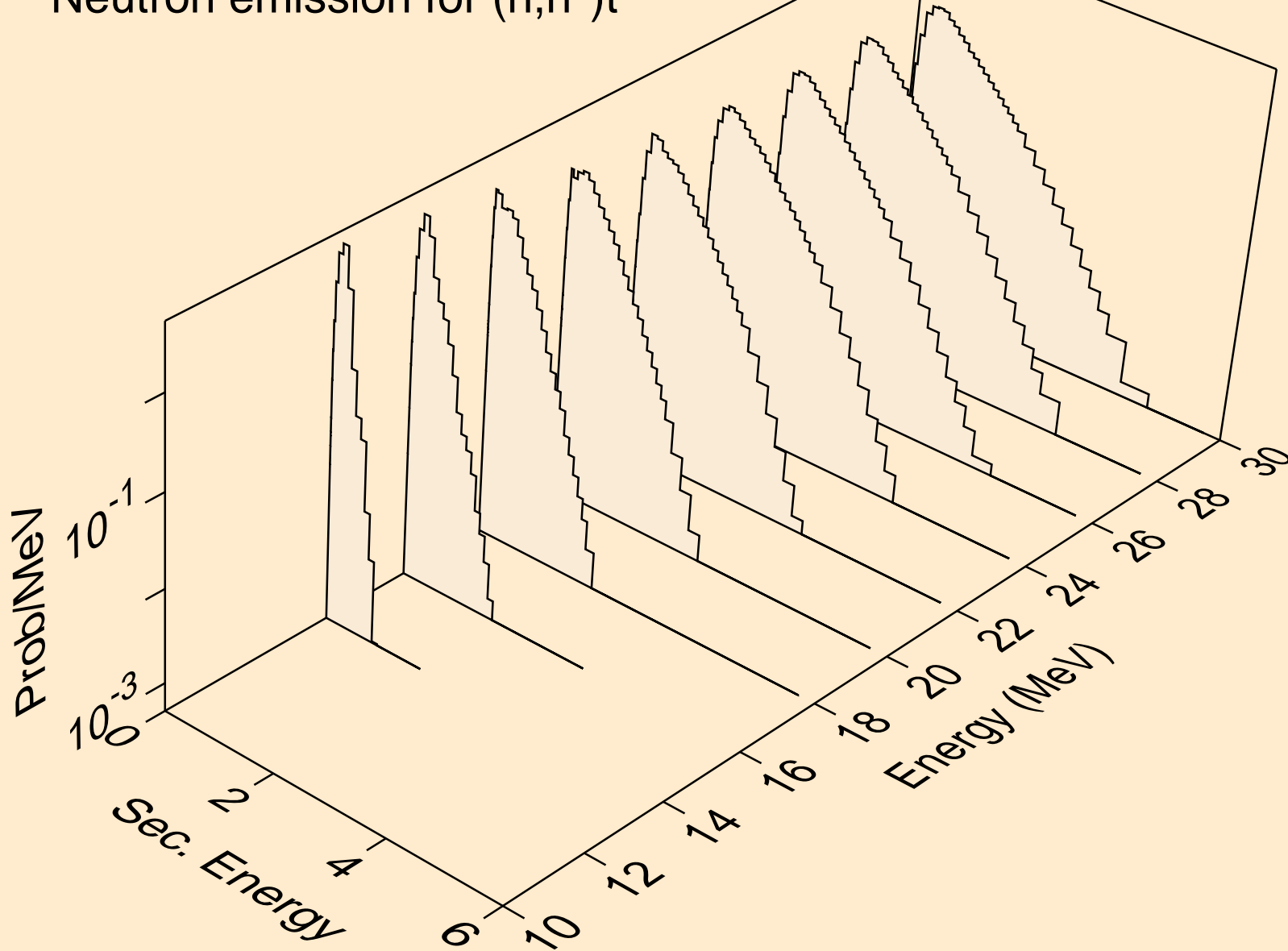
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

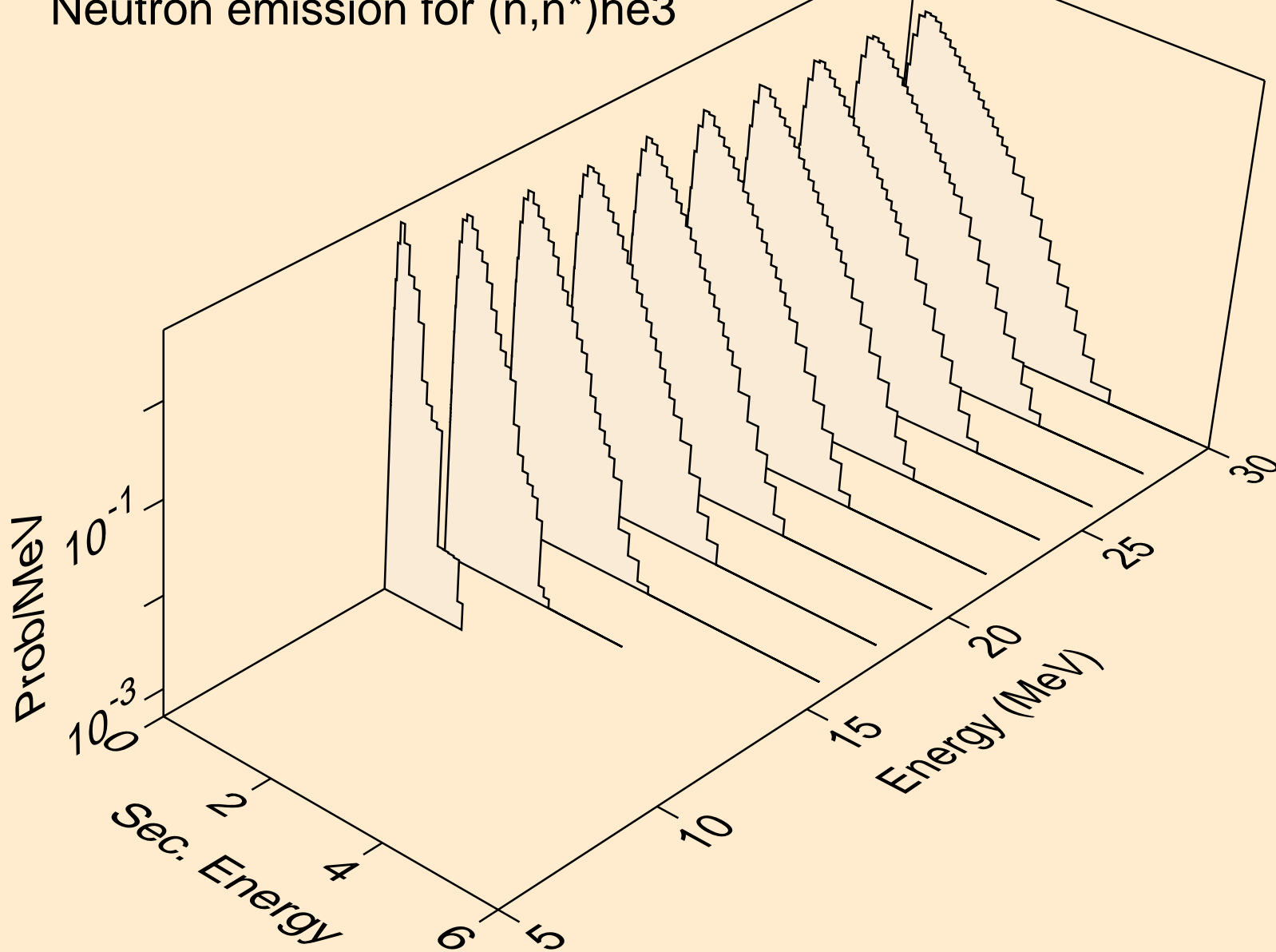


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

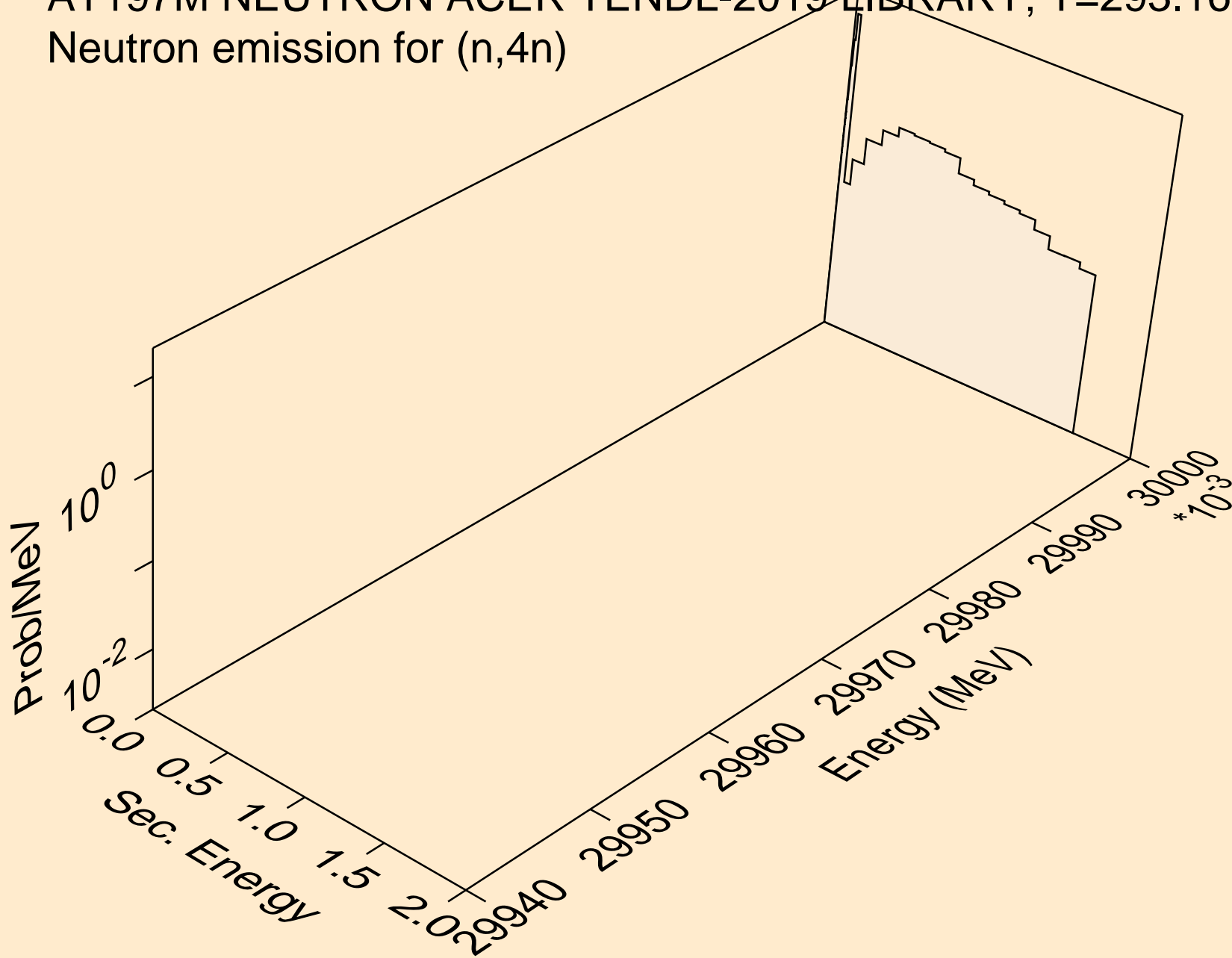




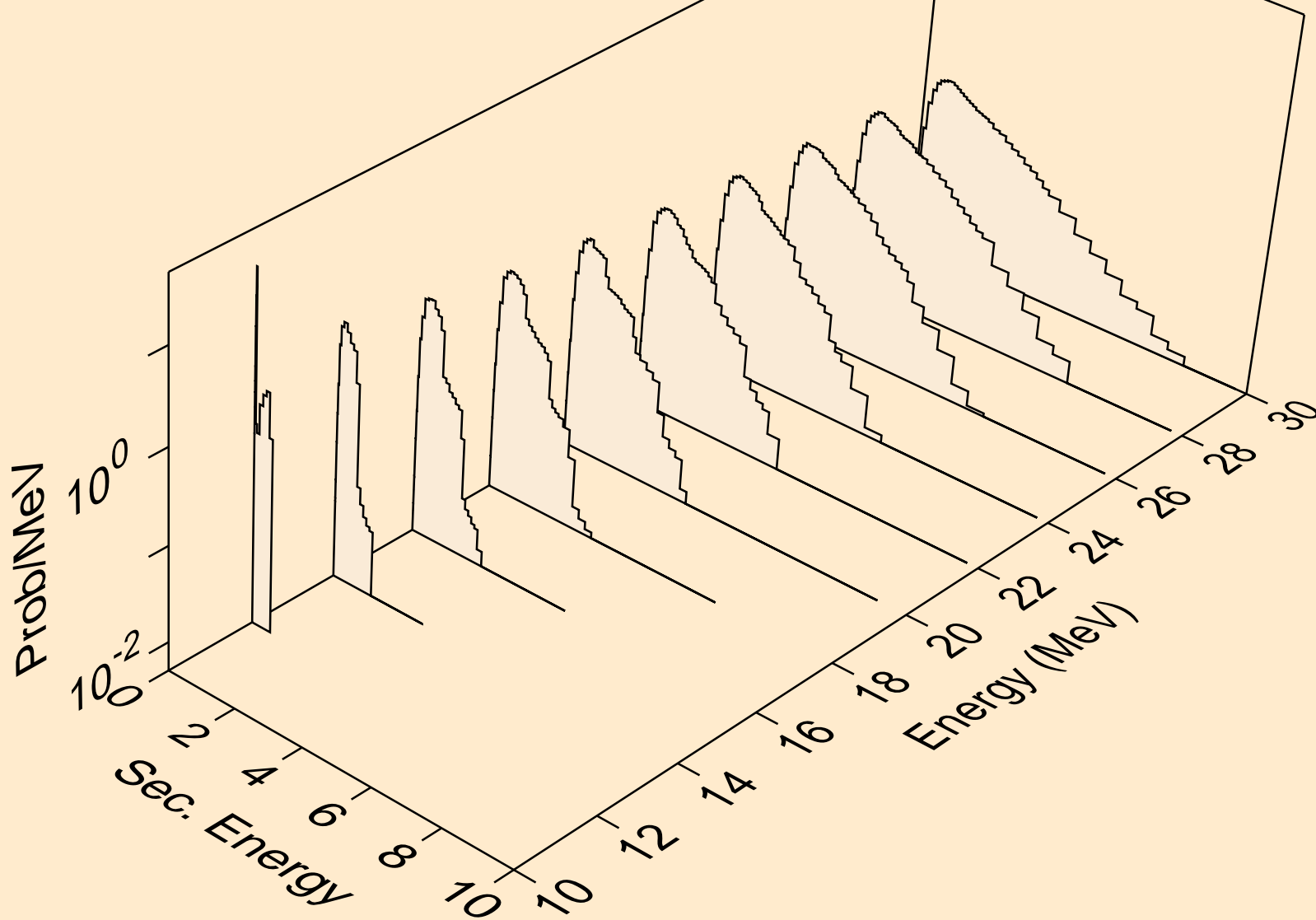
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



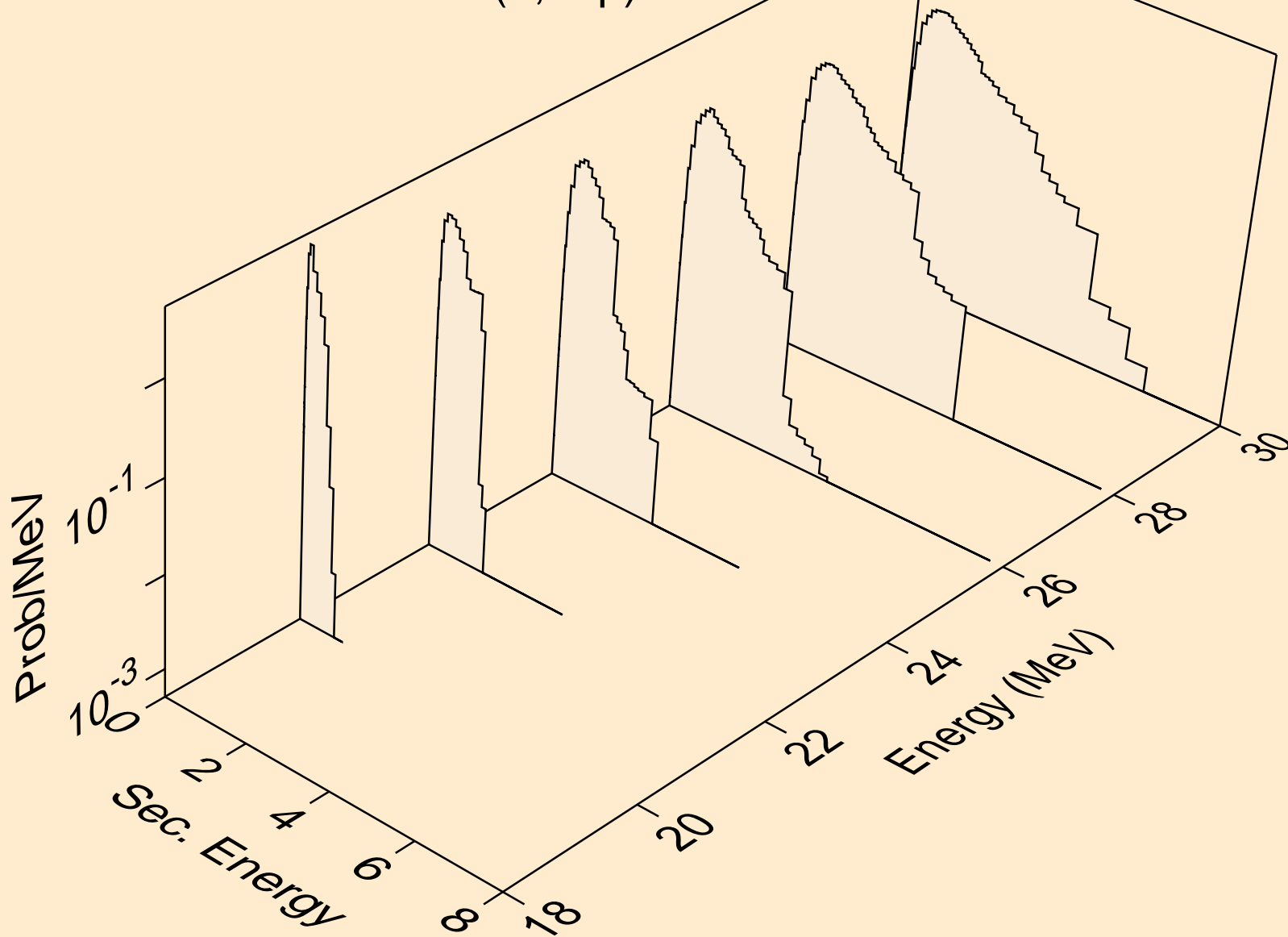
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



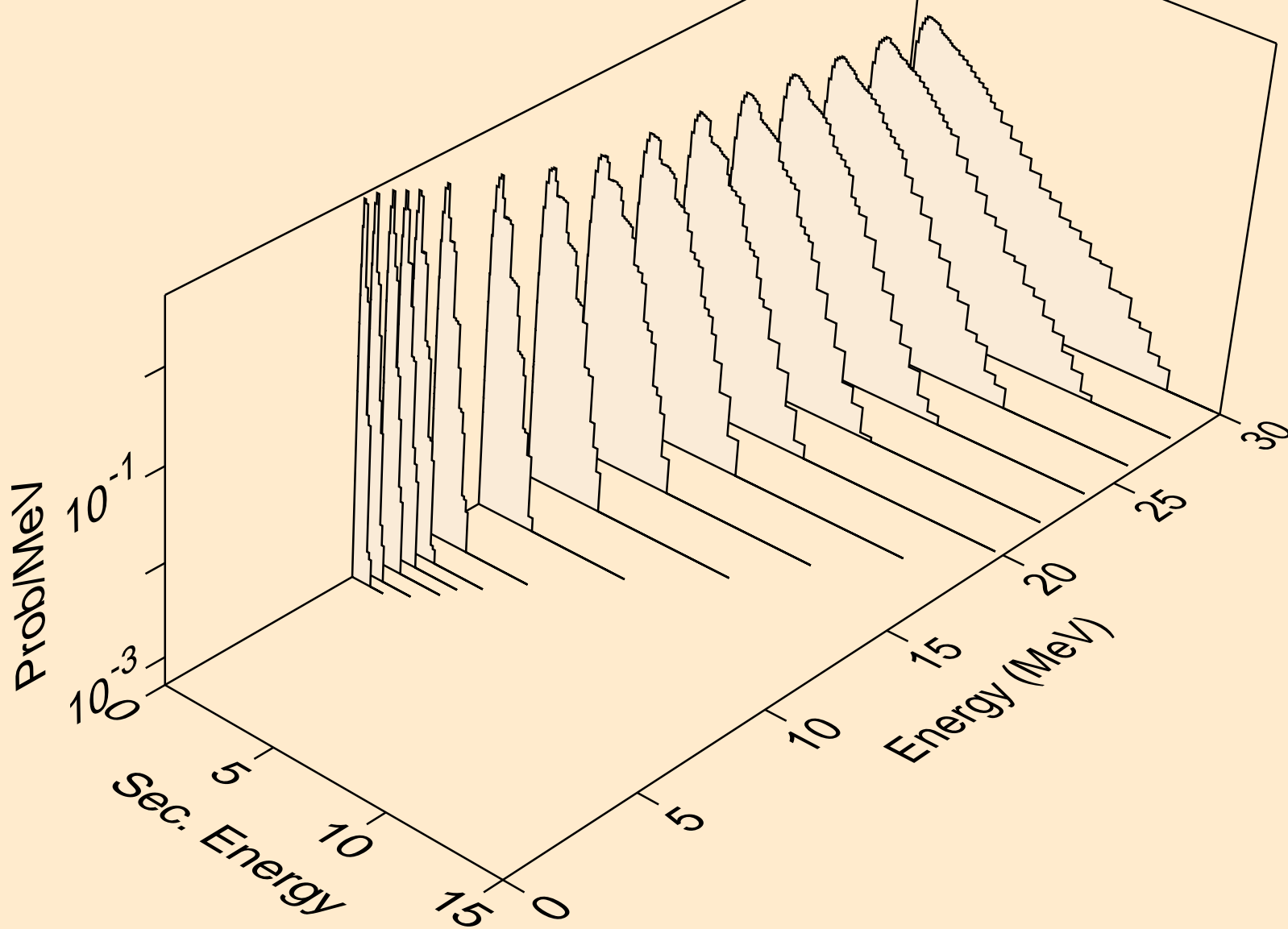
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



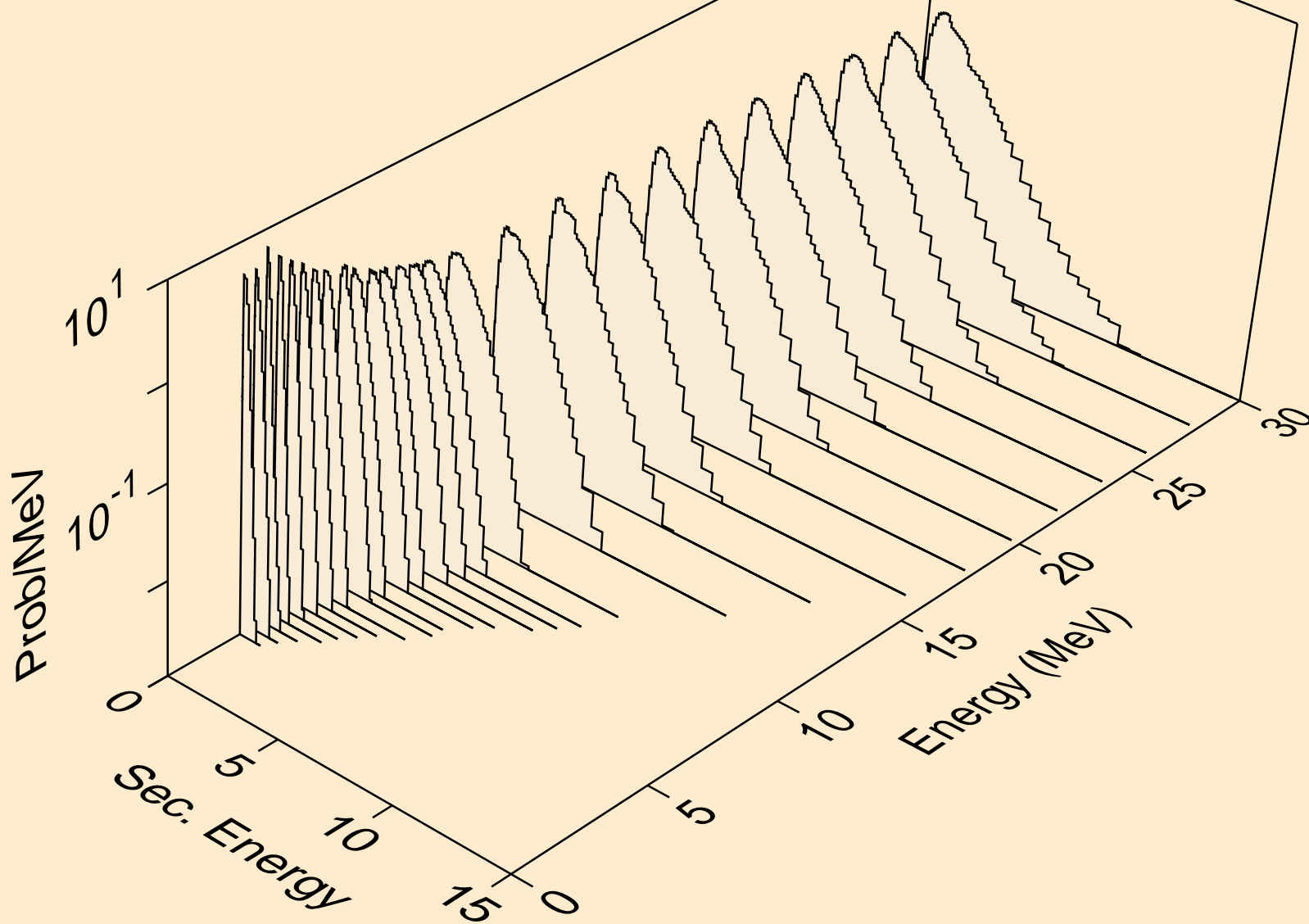
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Neutron emission for (n,3np)



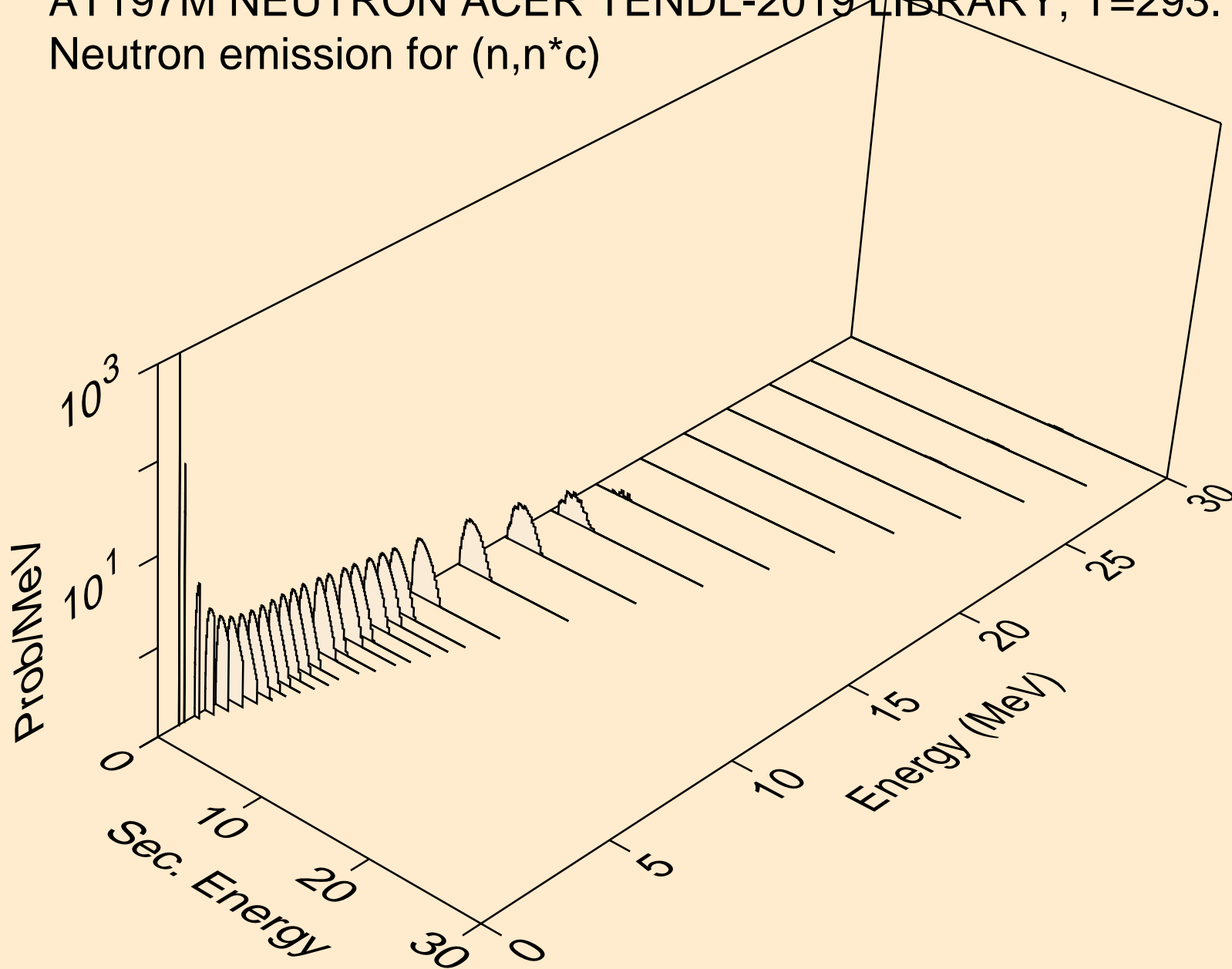
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Neutron emission for (n,2np)



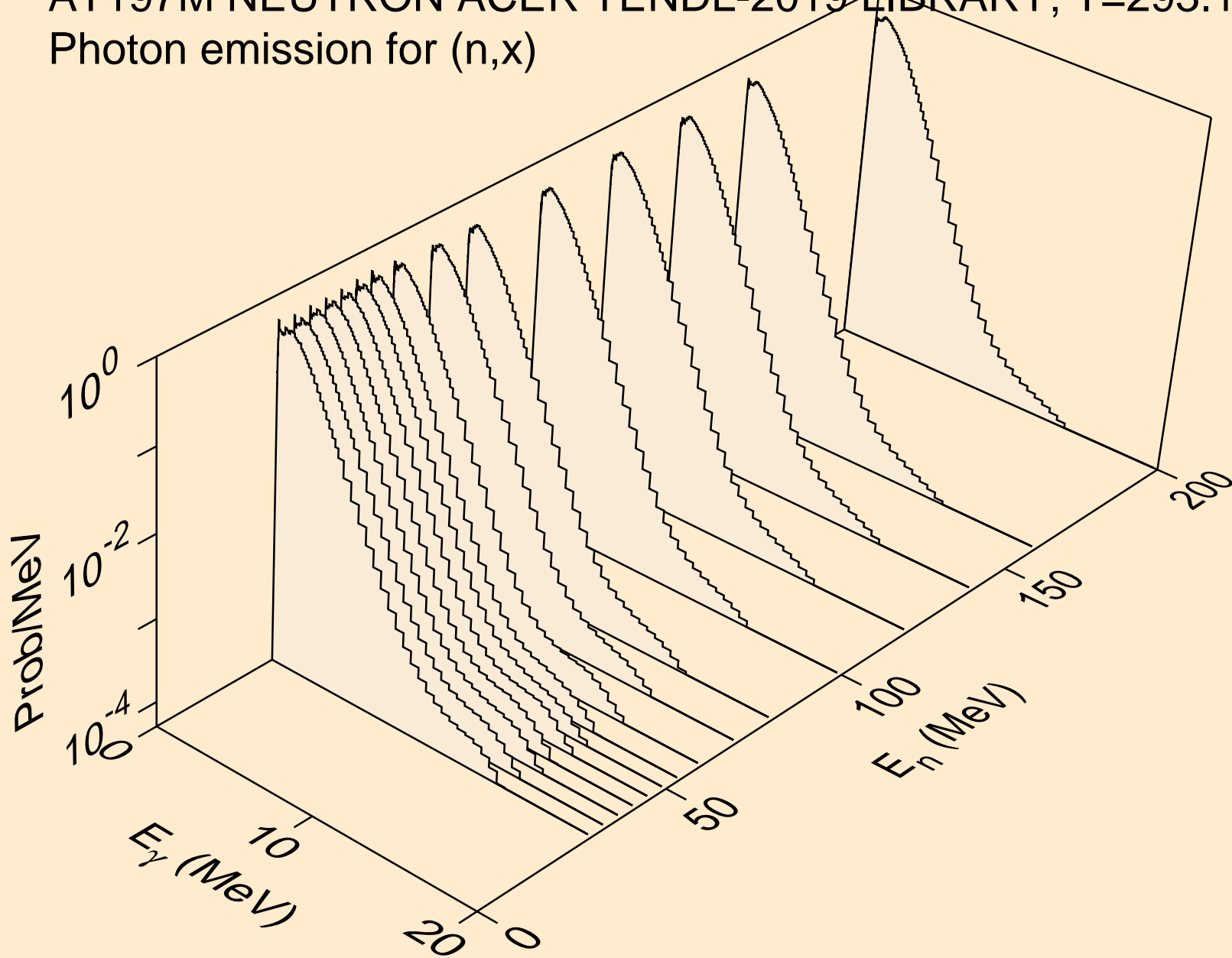
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

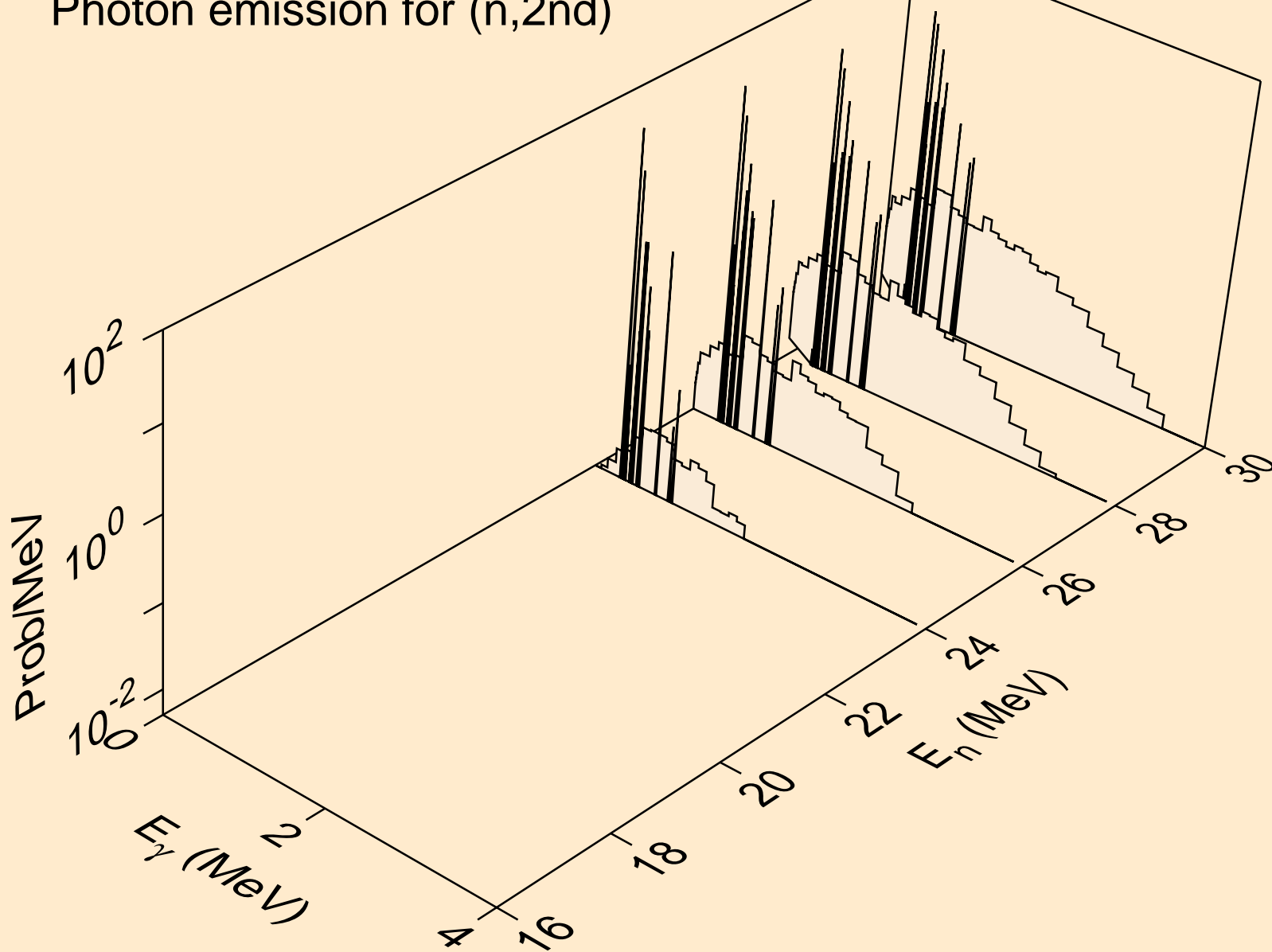


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

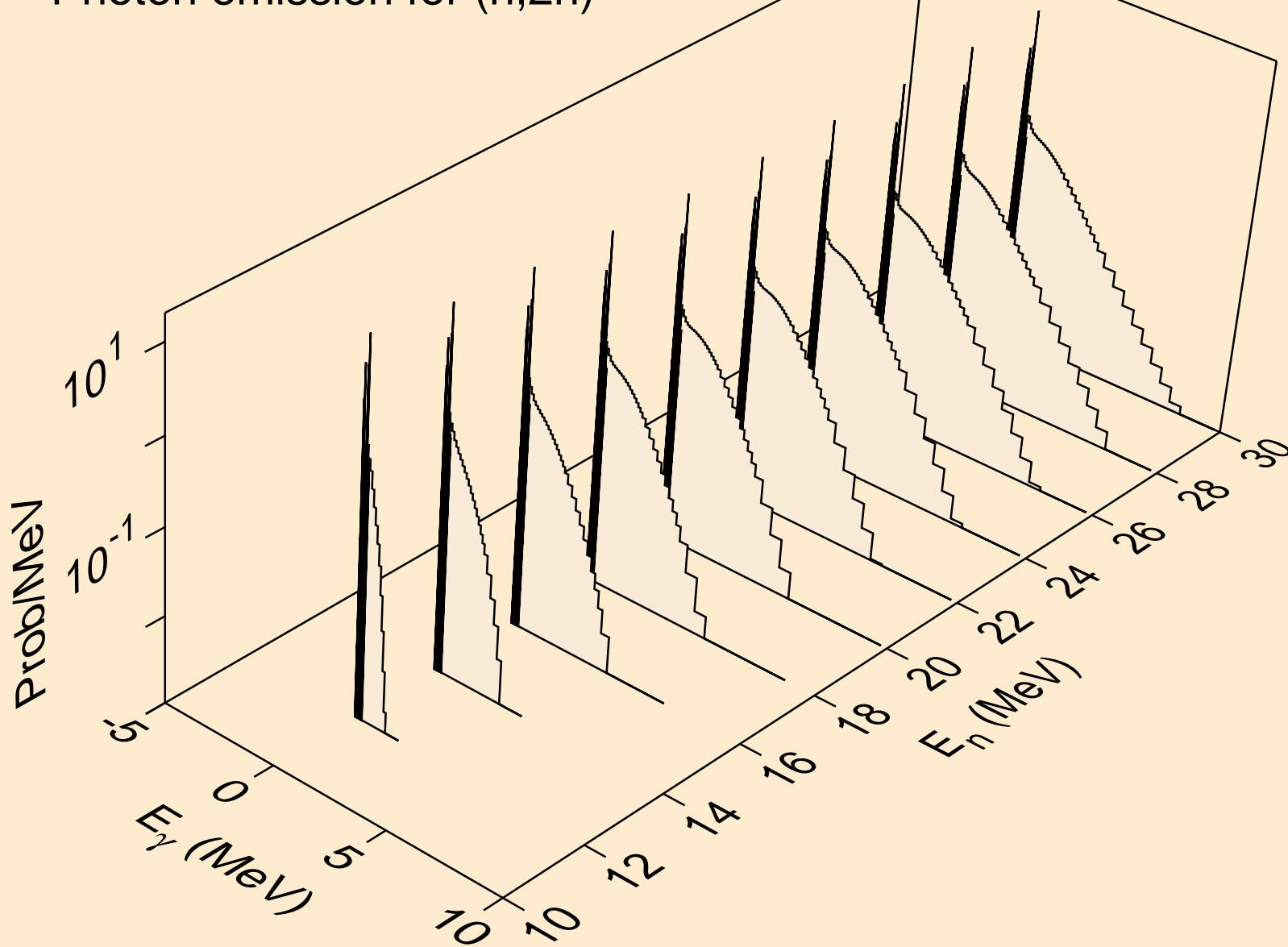




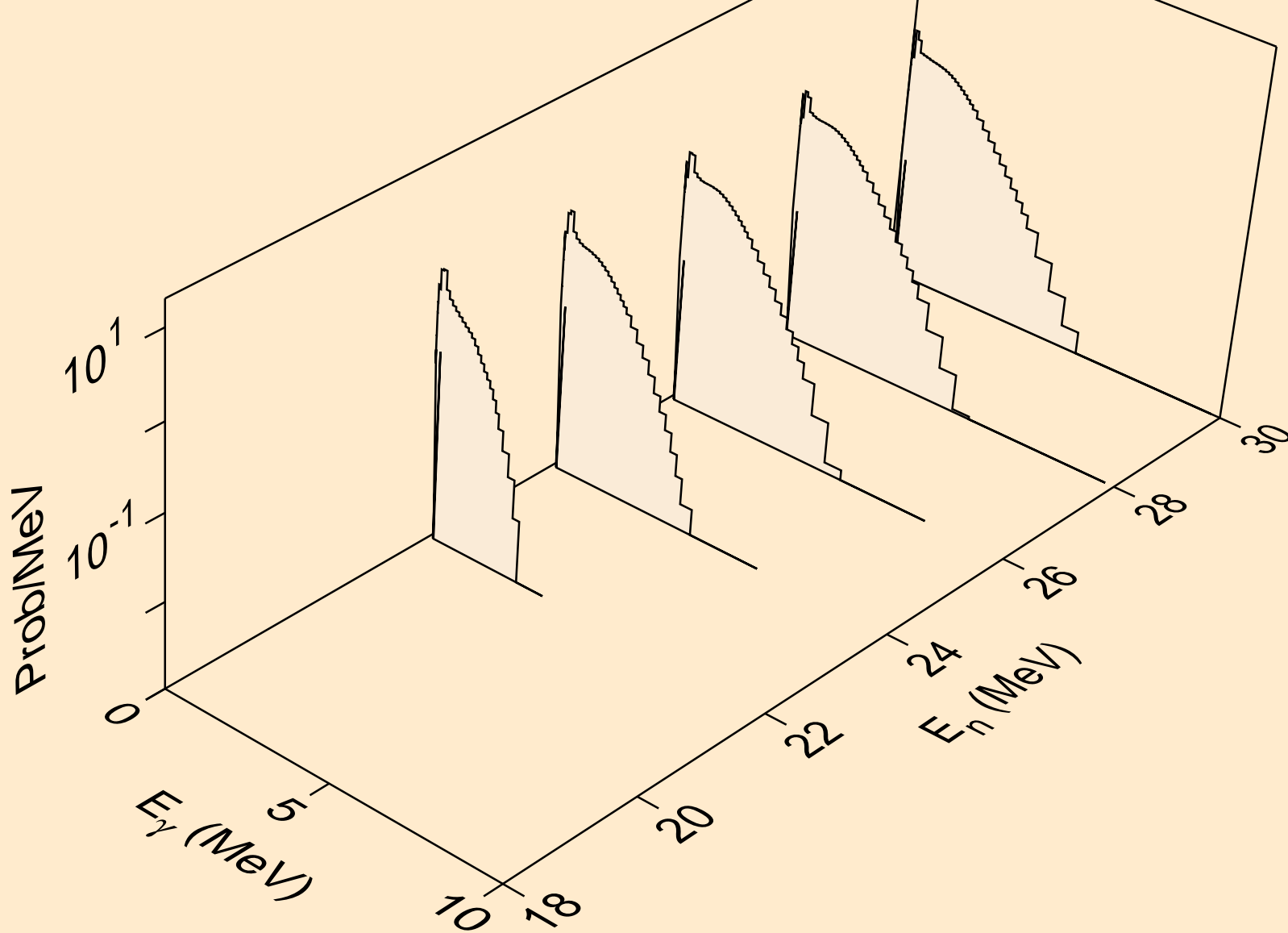
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Photon emission for (n,2nd)



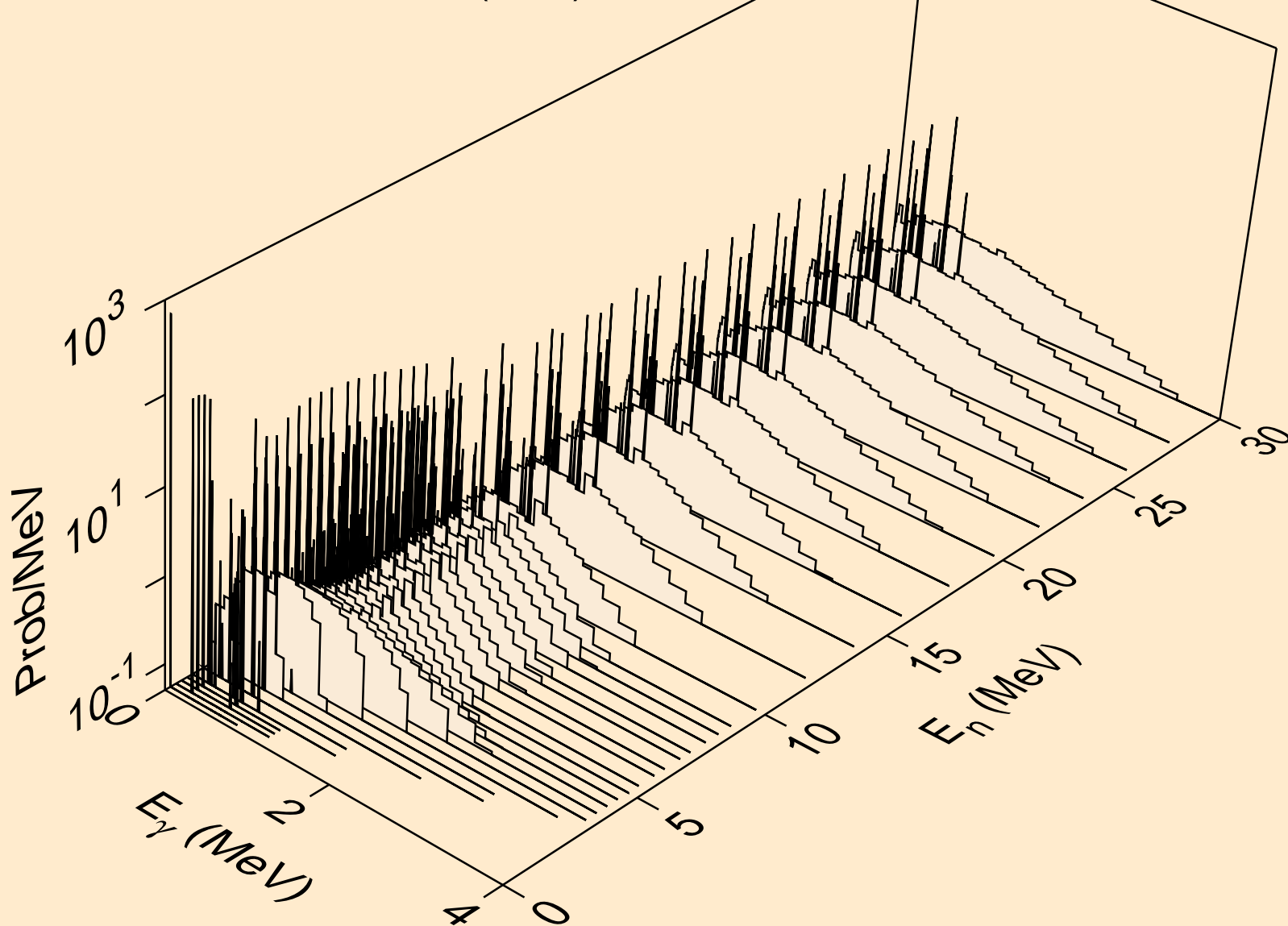
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



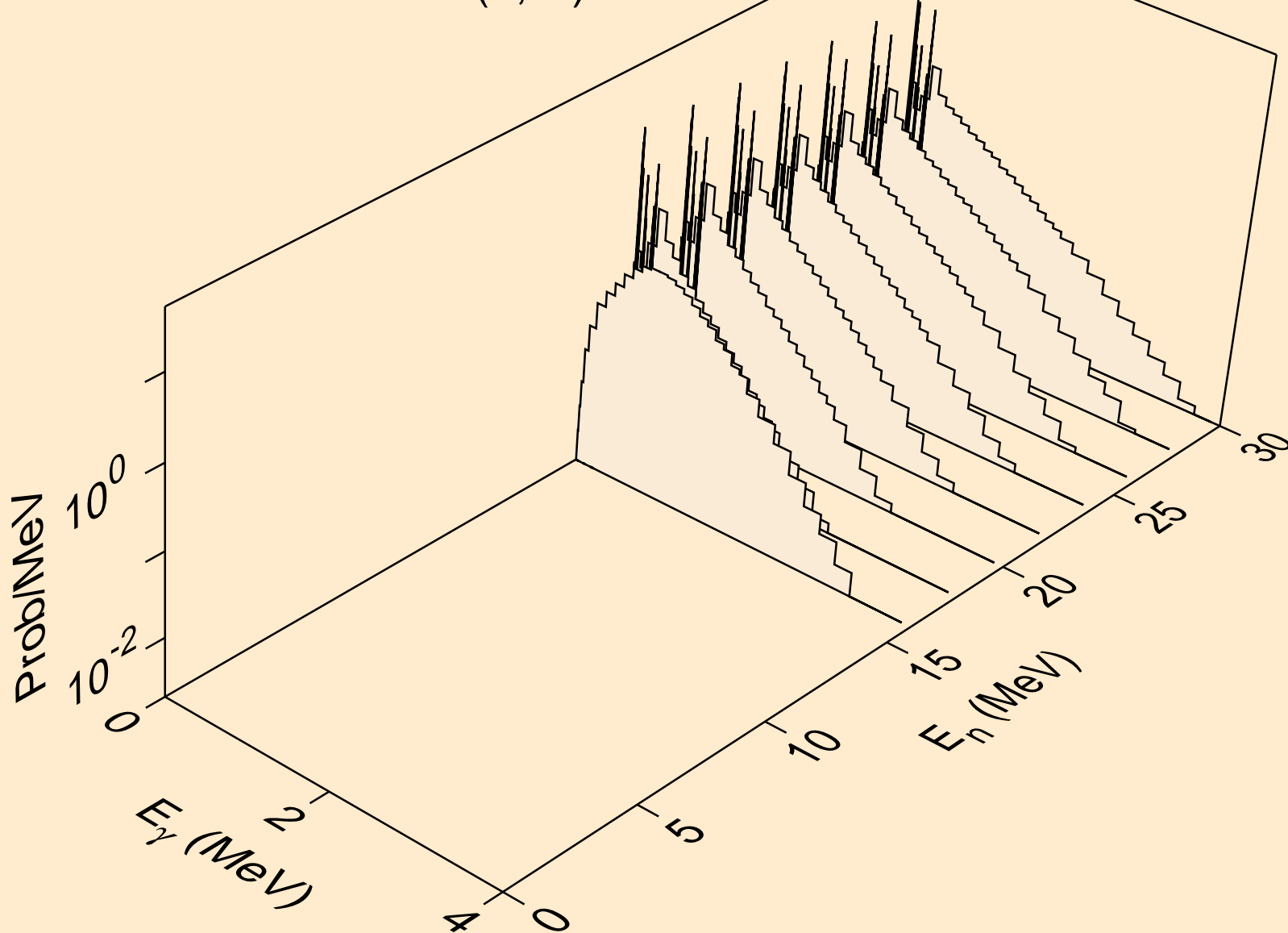
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



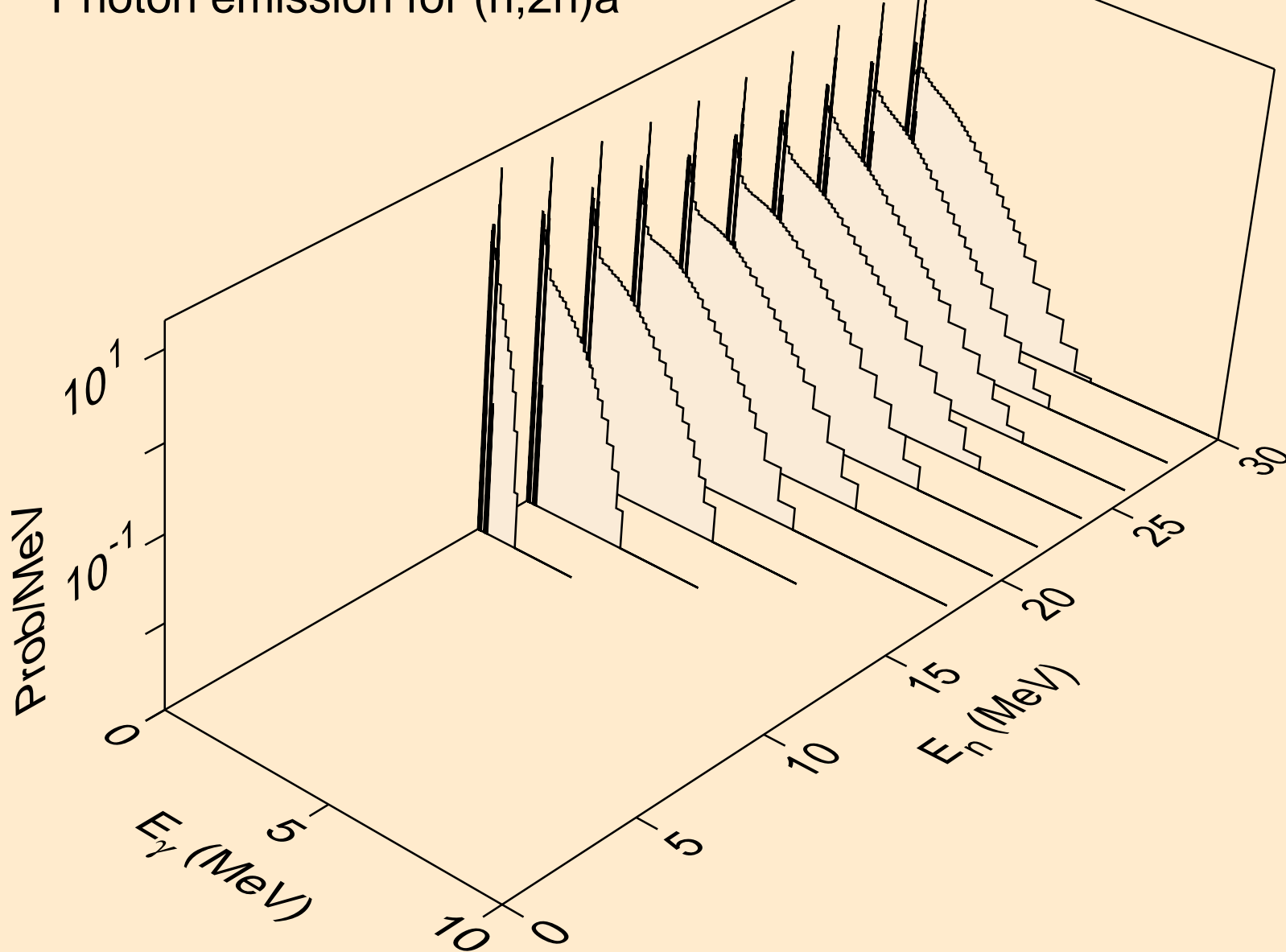
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



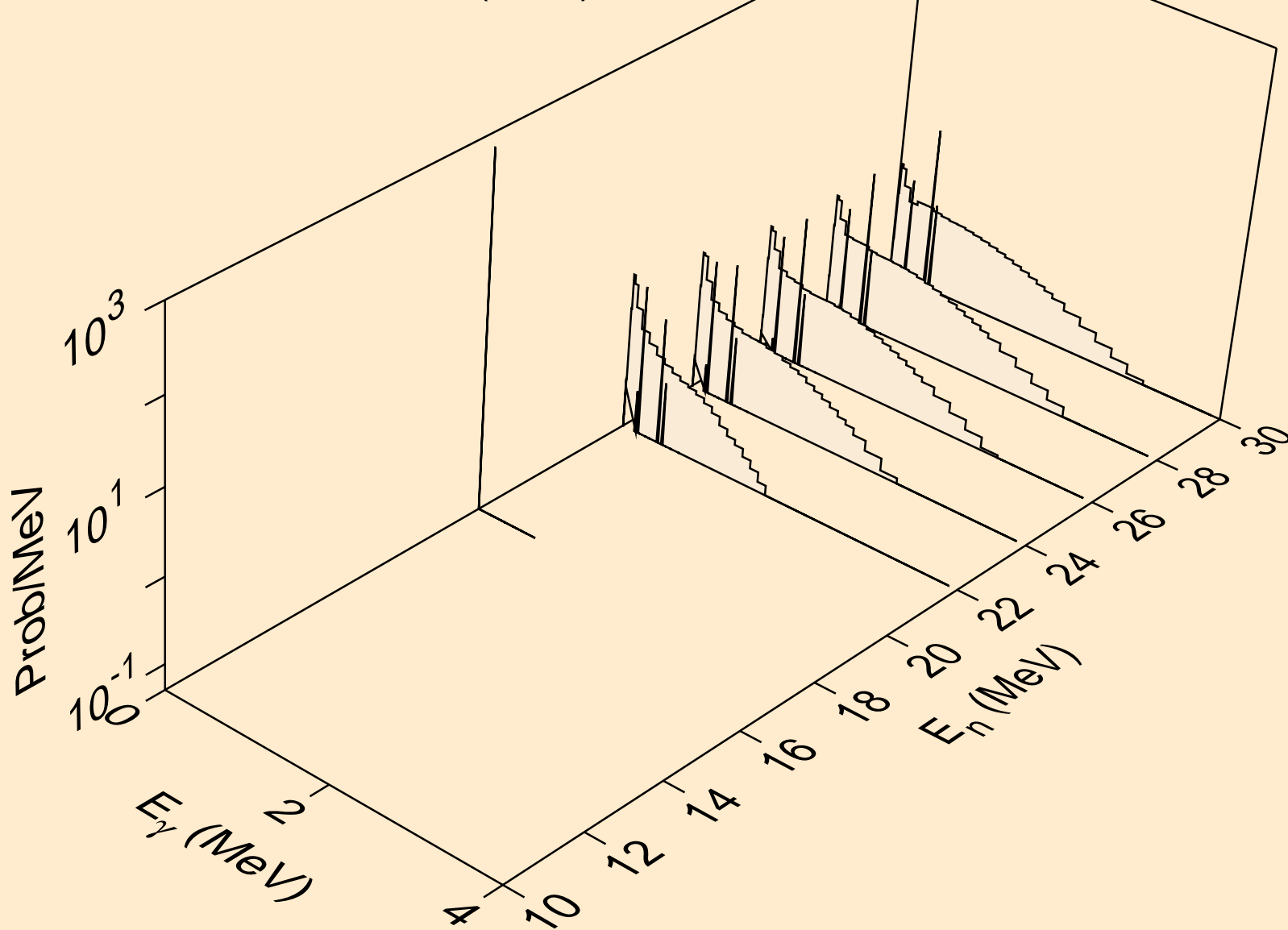
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a



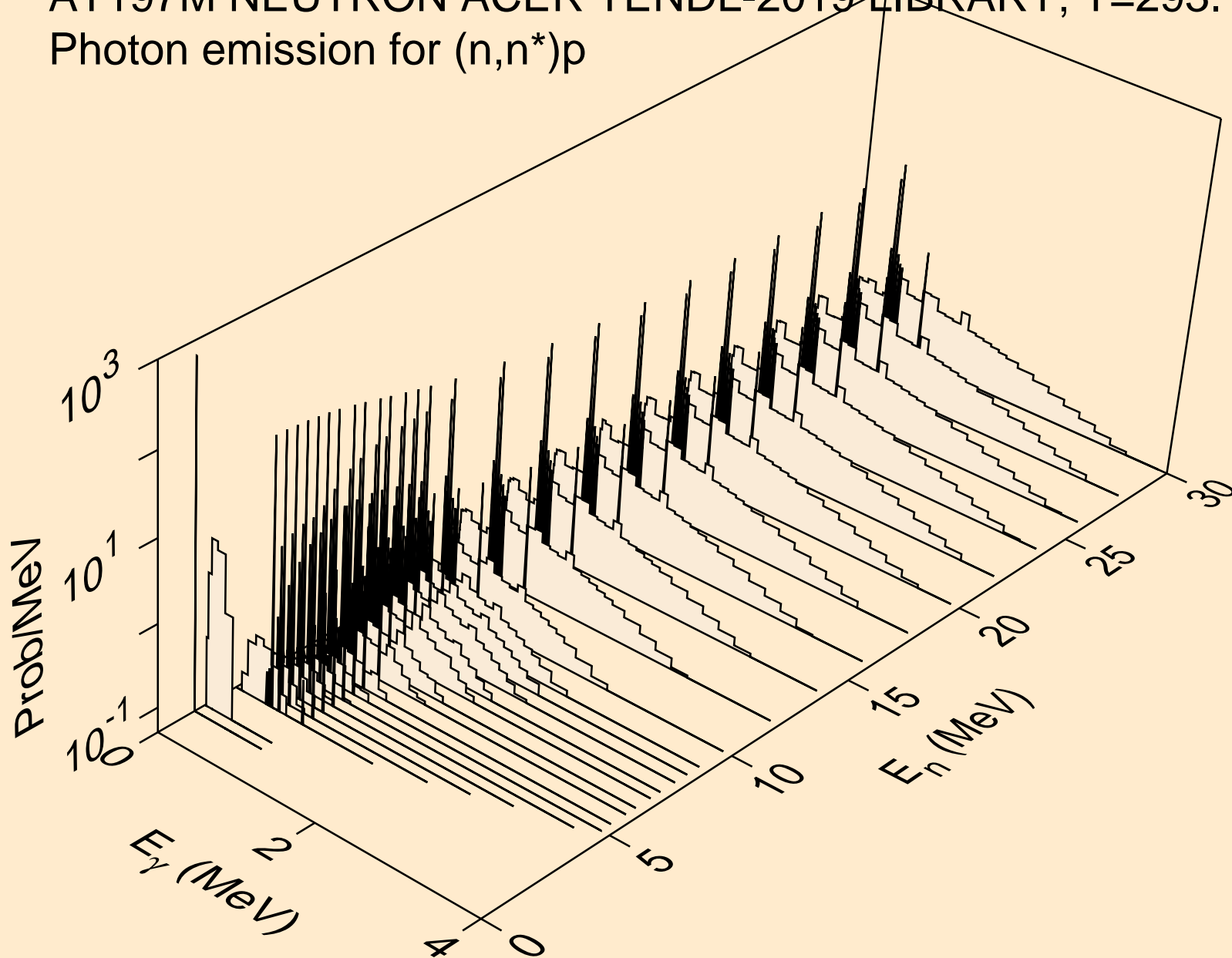
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

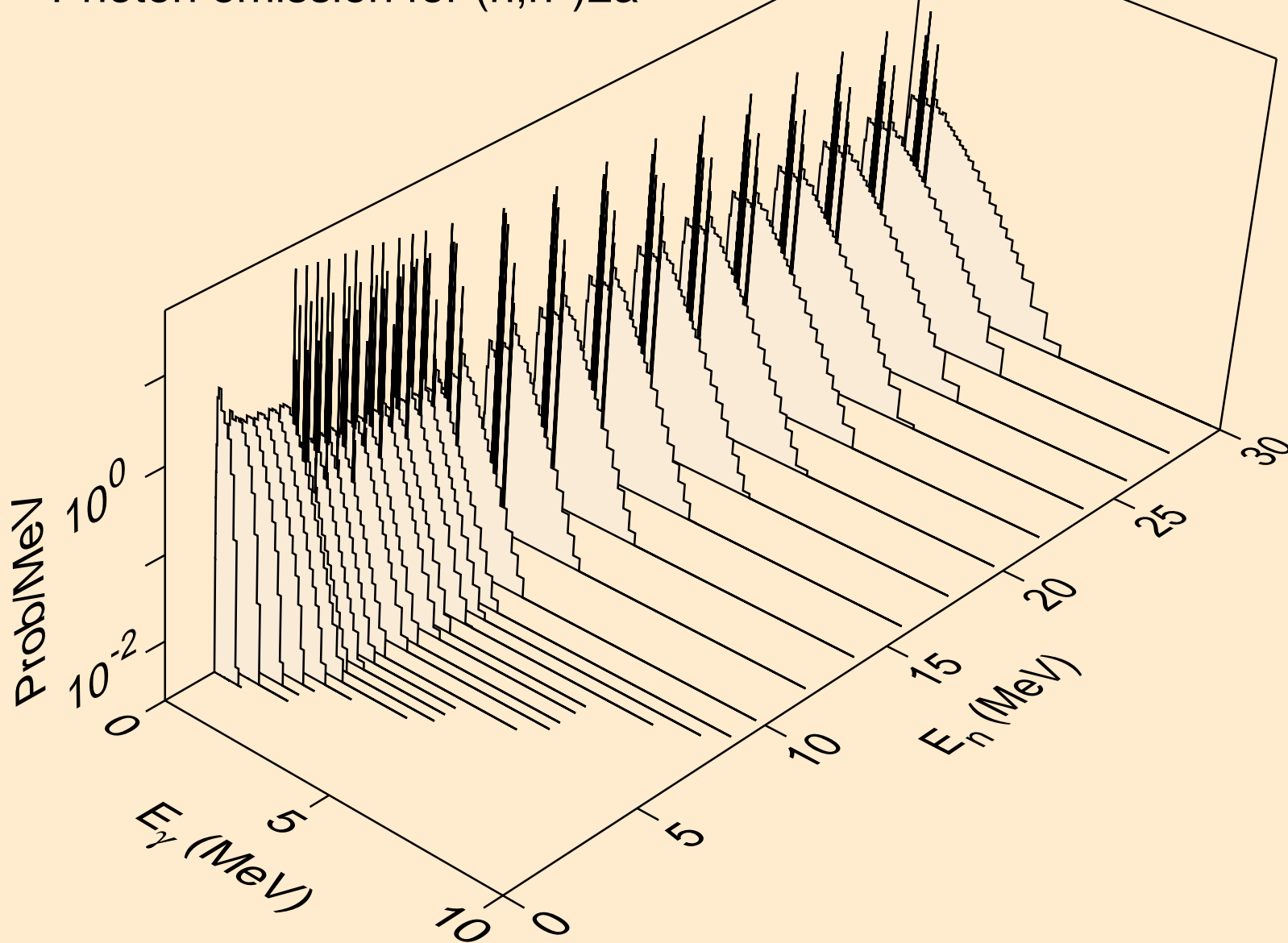


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

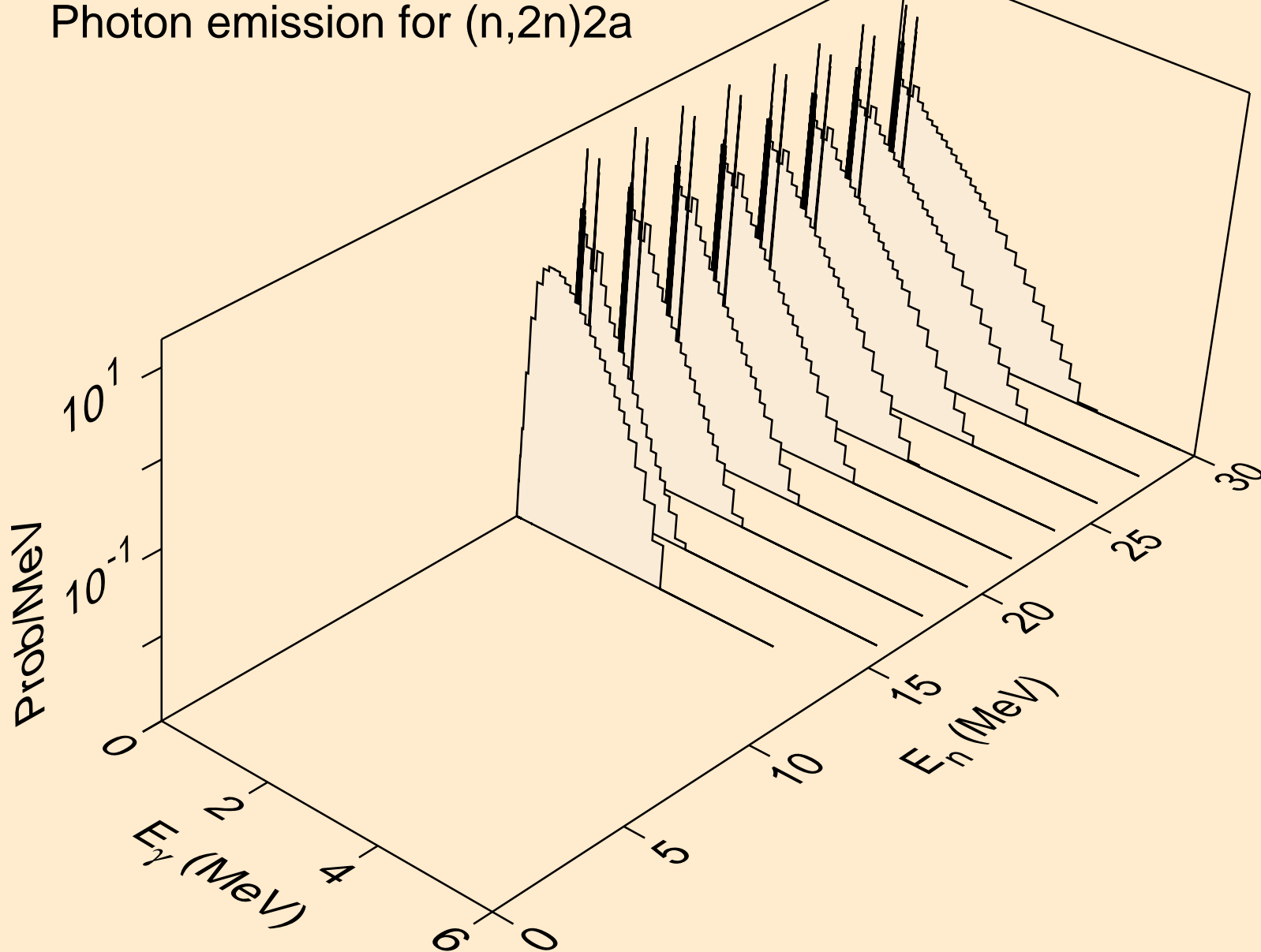




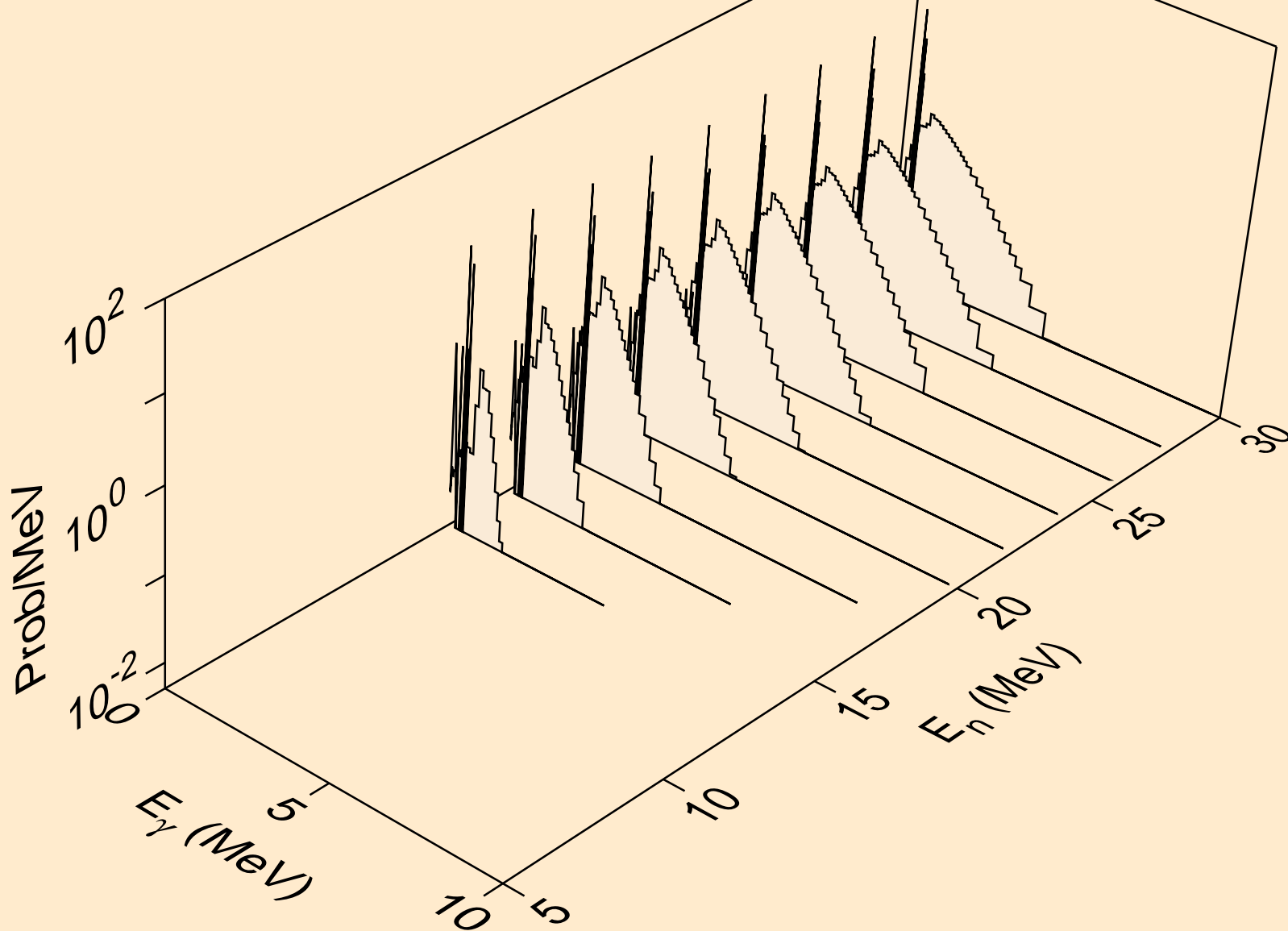
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



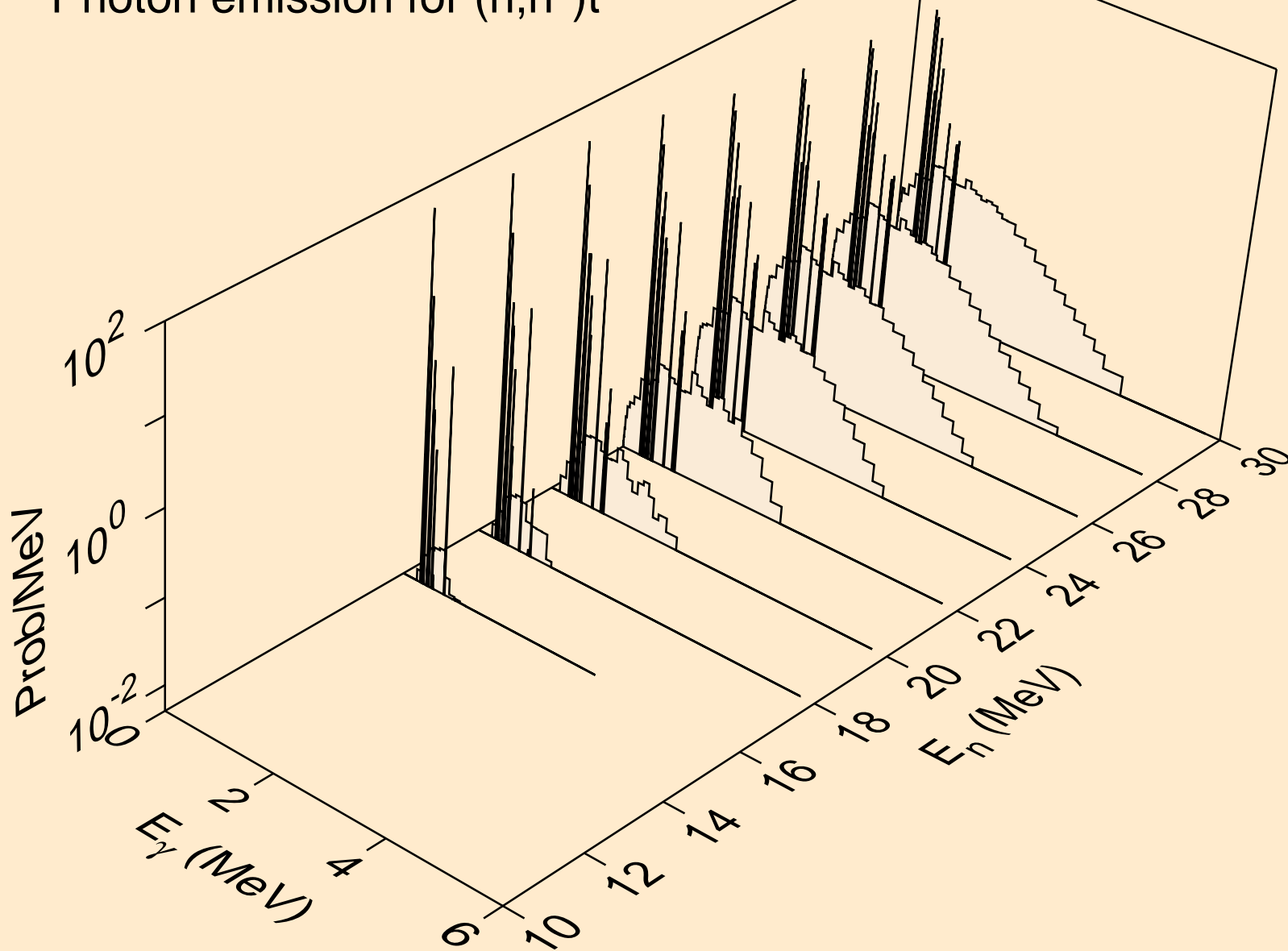
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Photon emission for (n,2n)2a



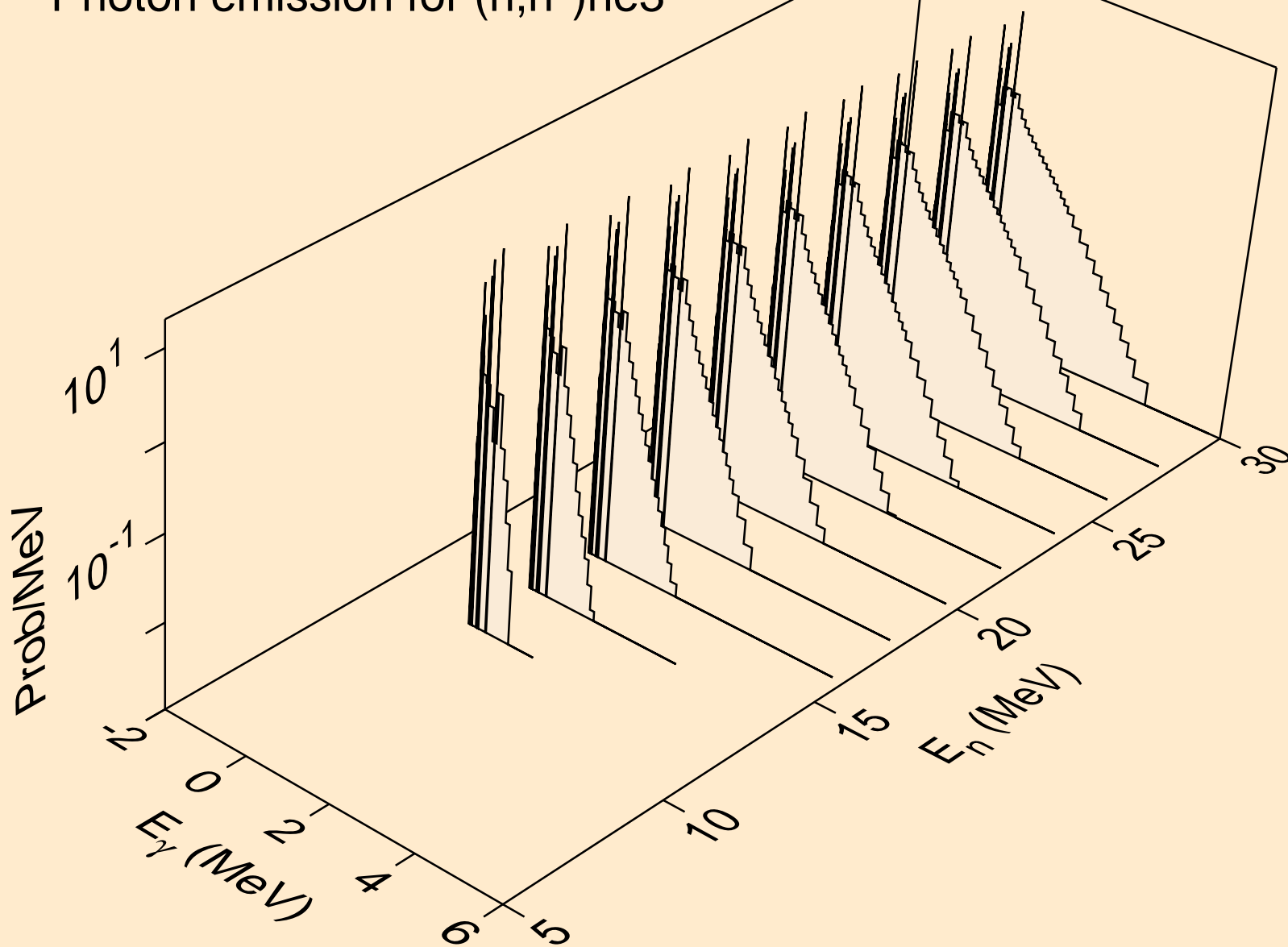
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



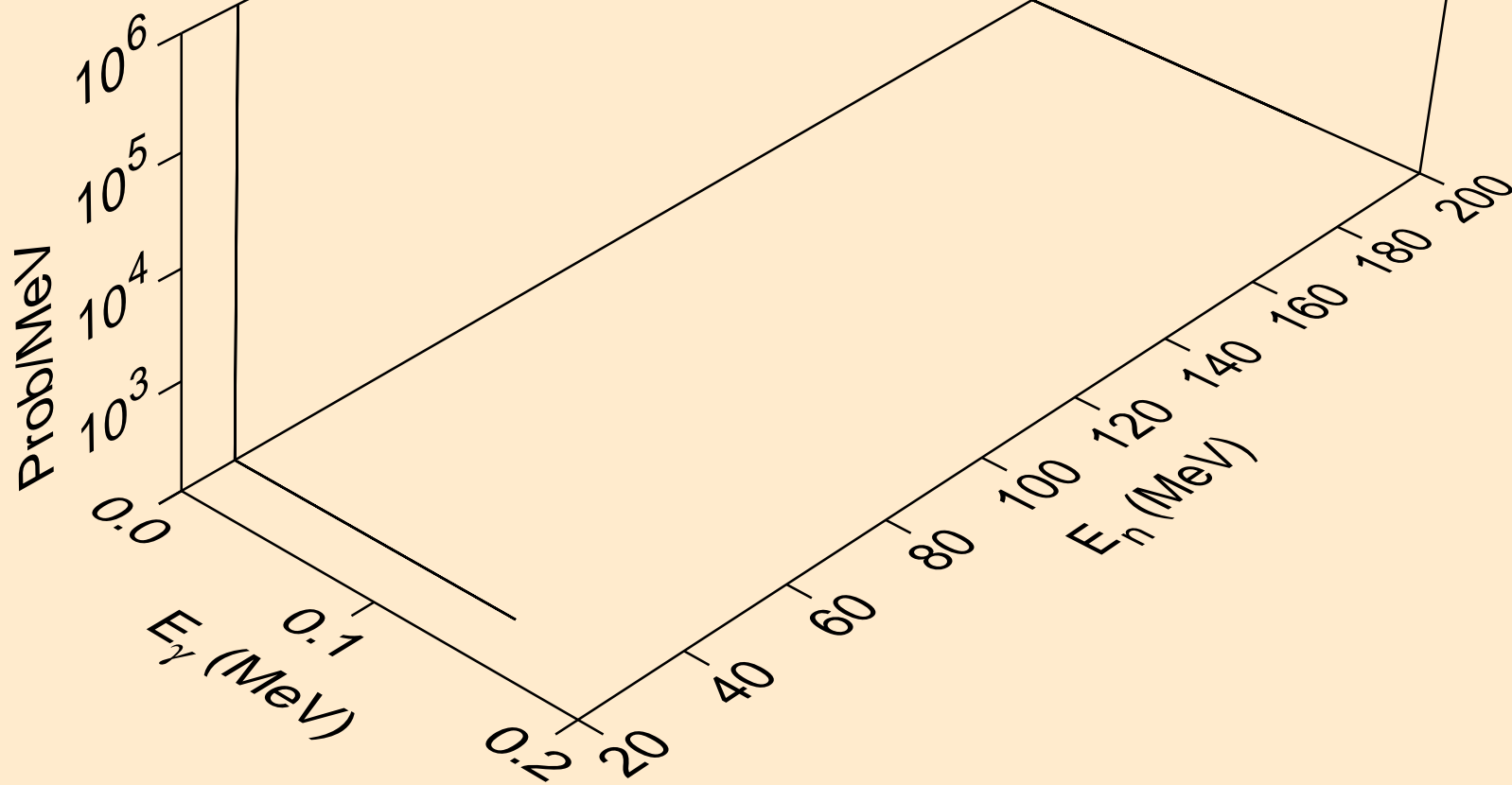
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



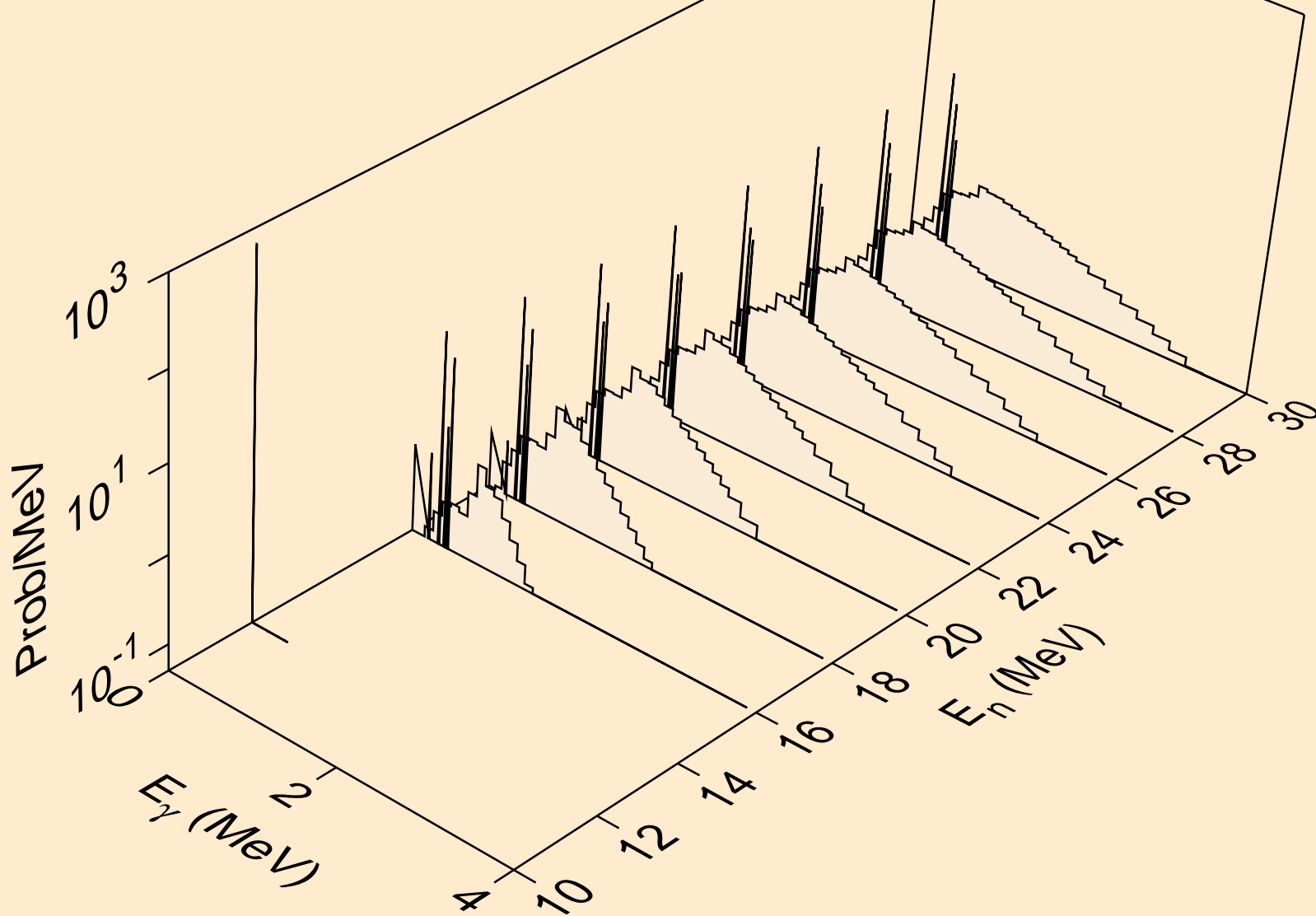
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



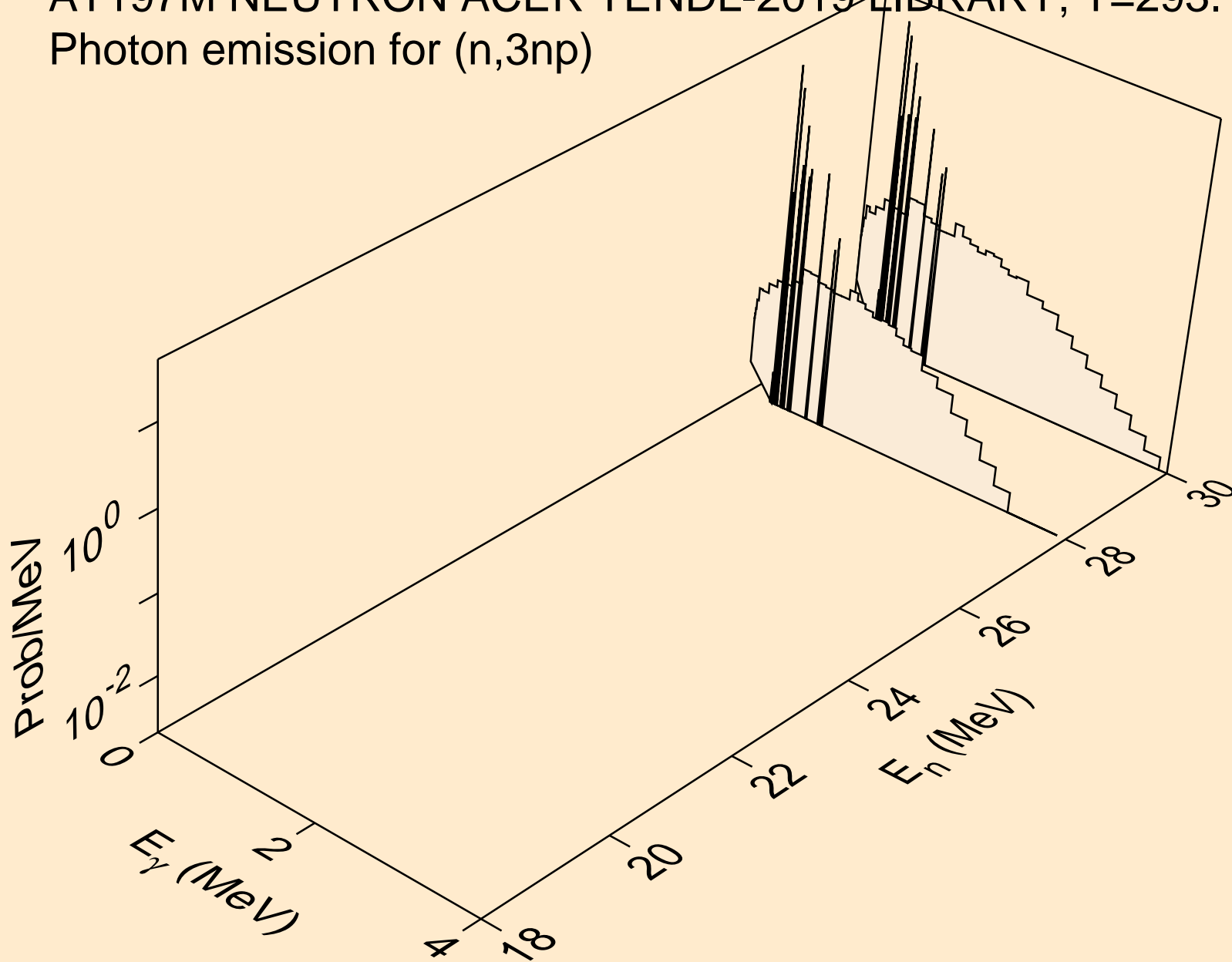
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

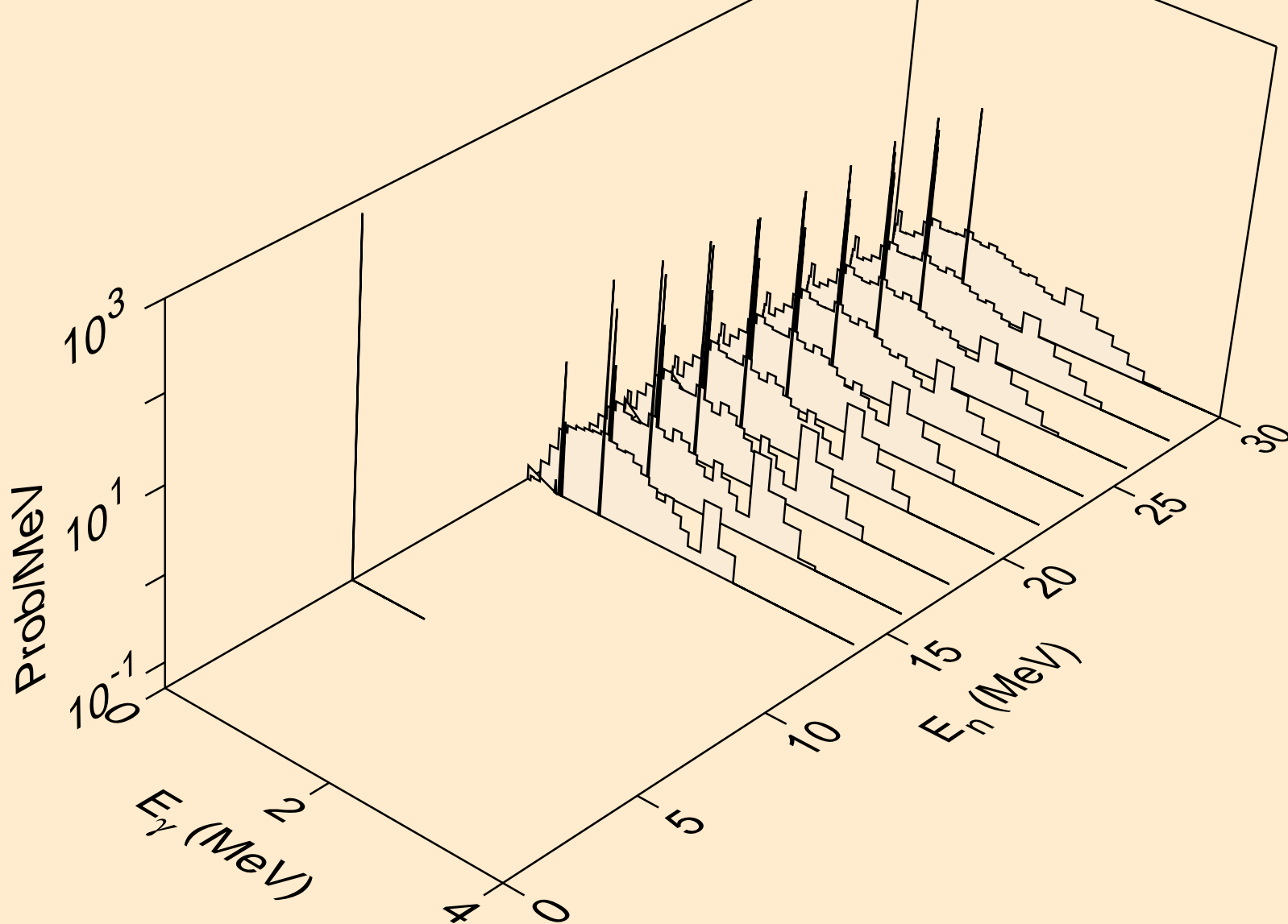


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

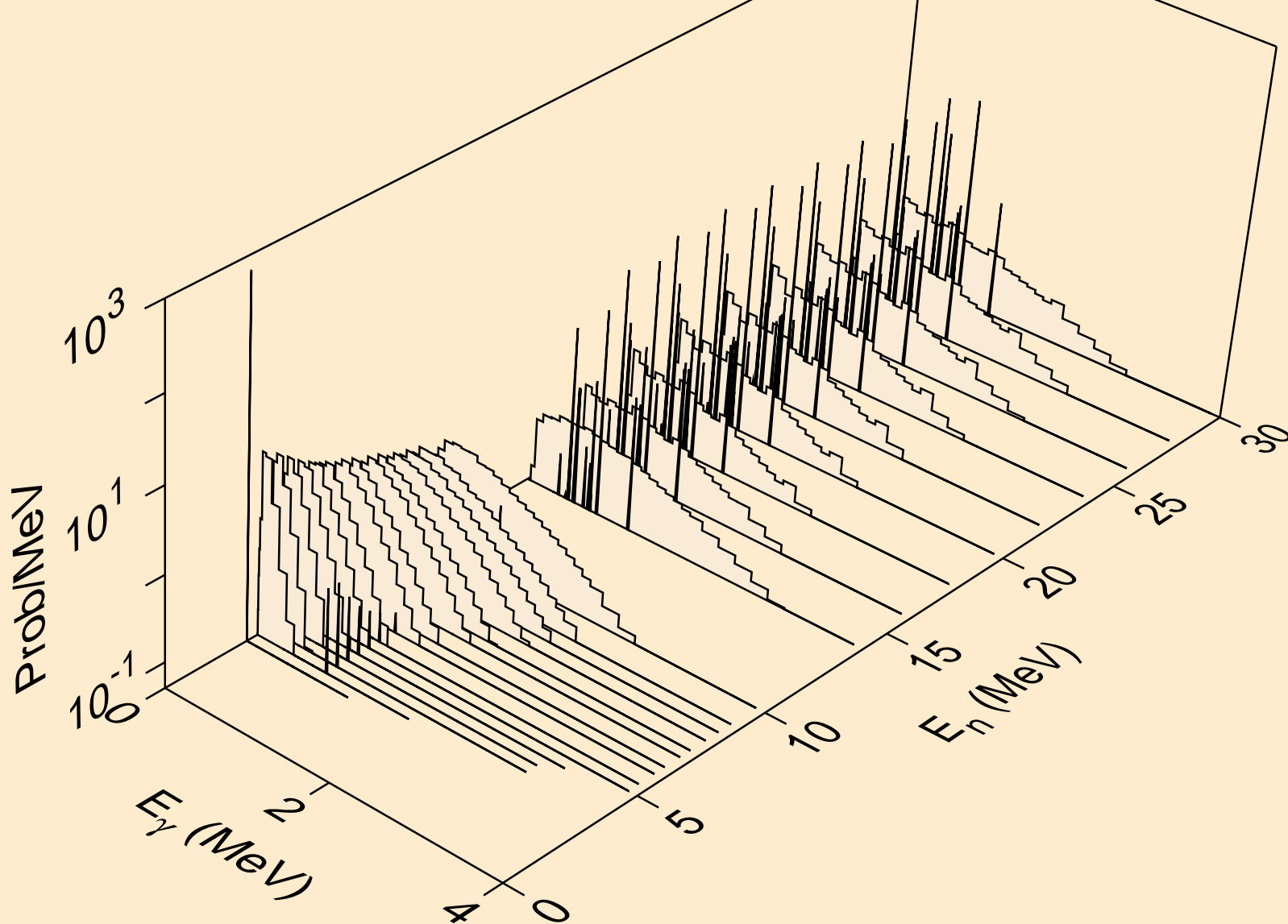




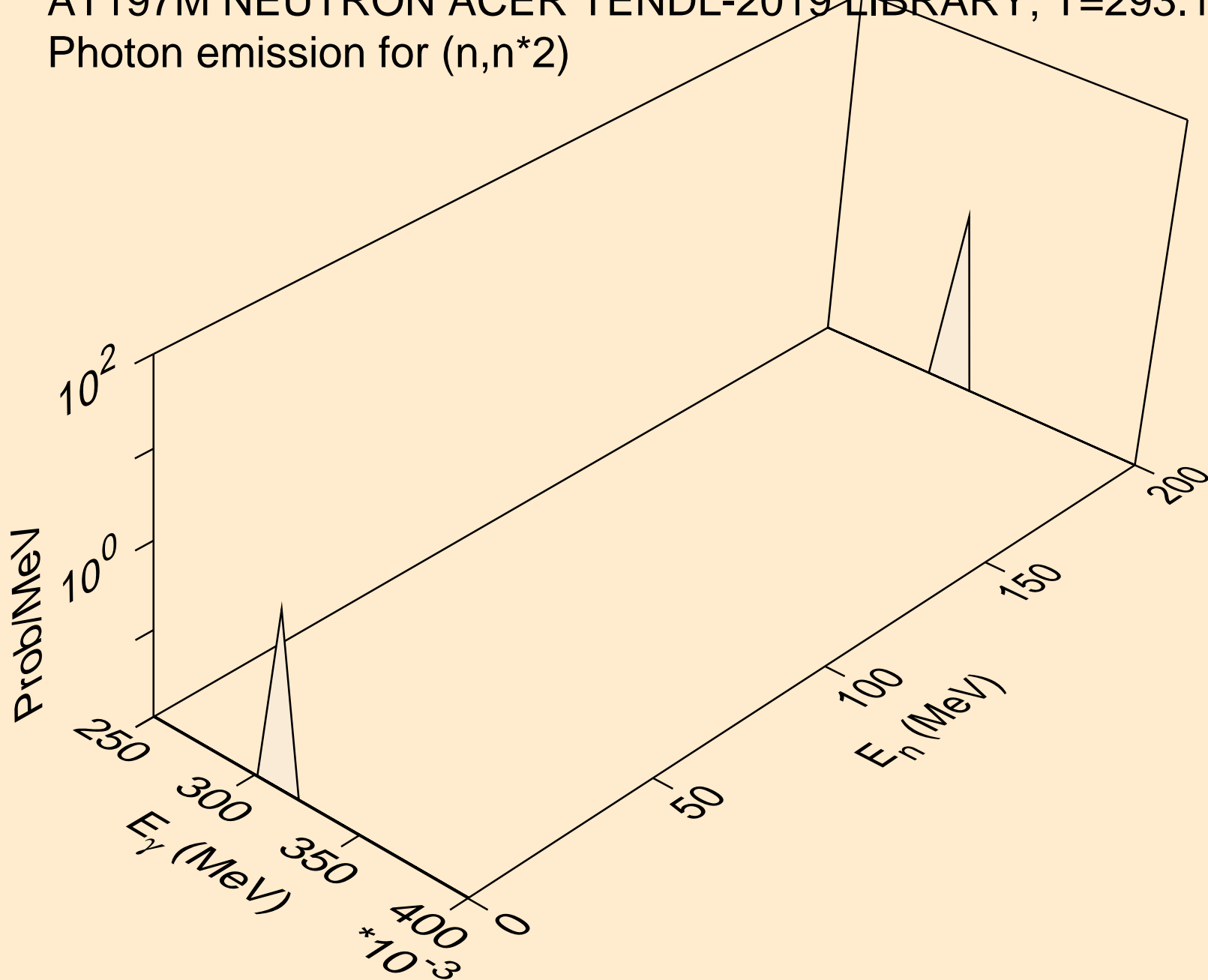
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Photon emission for (n,2np)



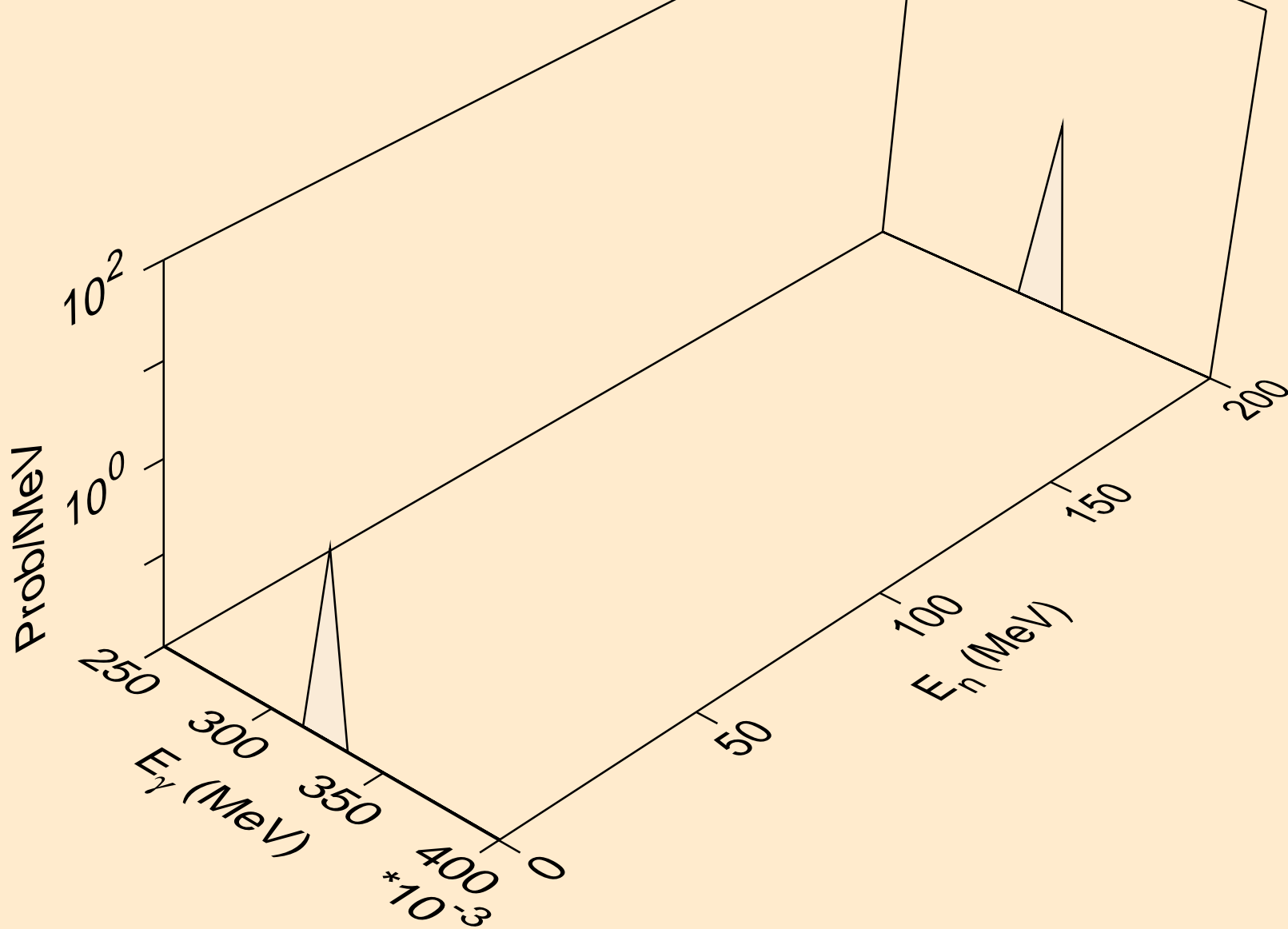
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Photon emission for (n,npa)



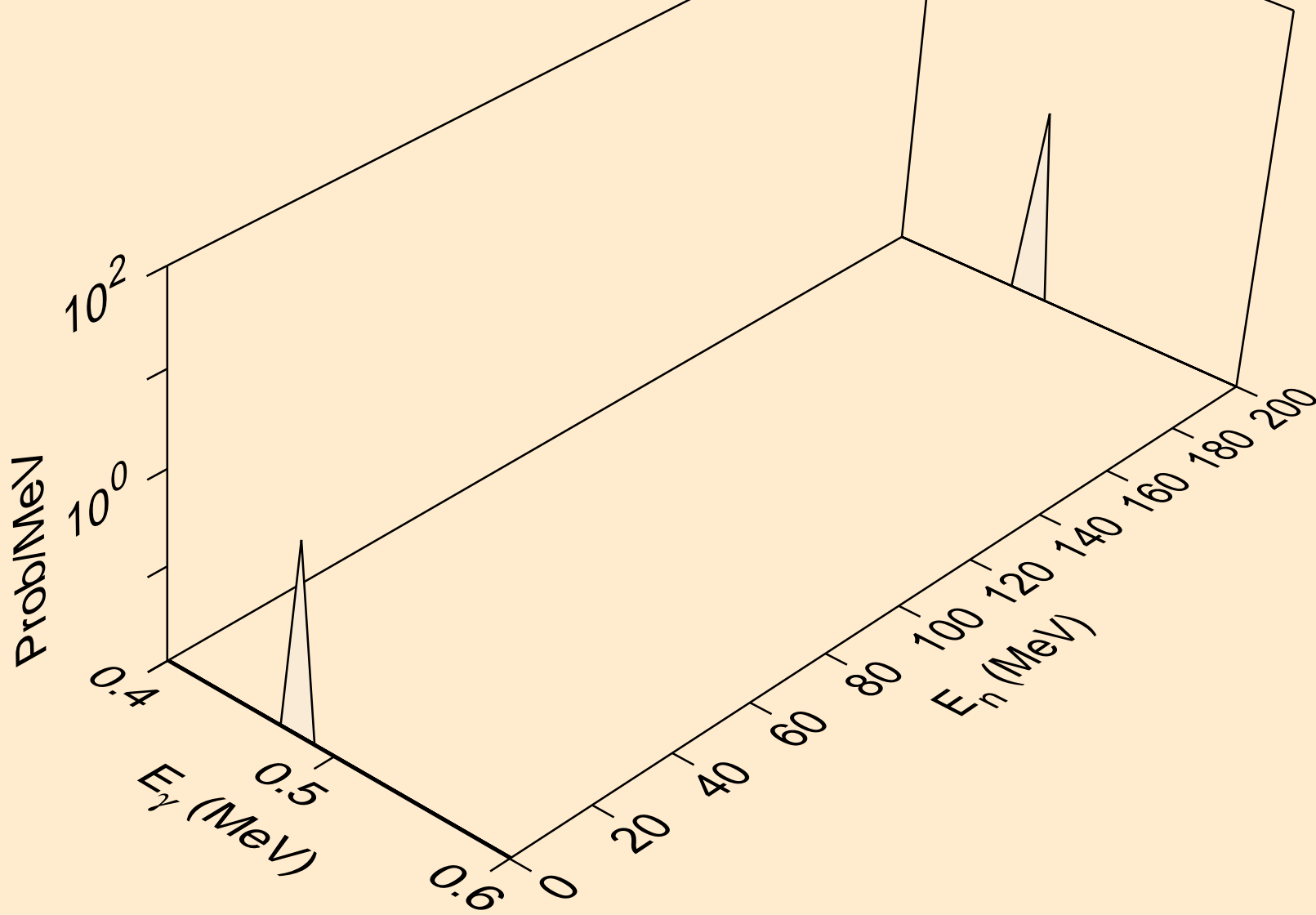
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*2)



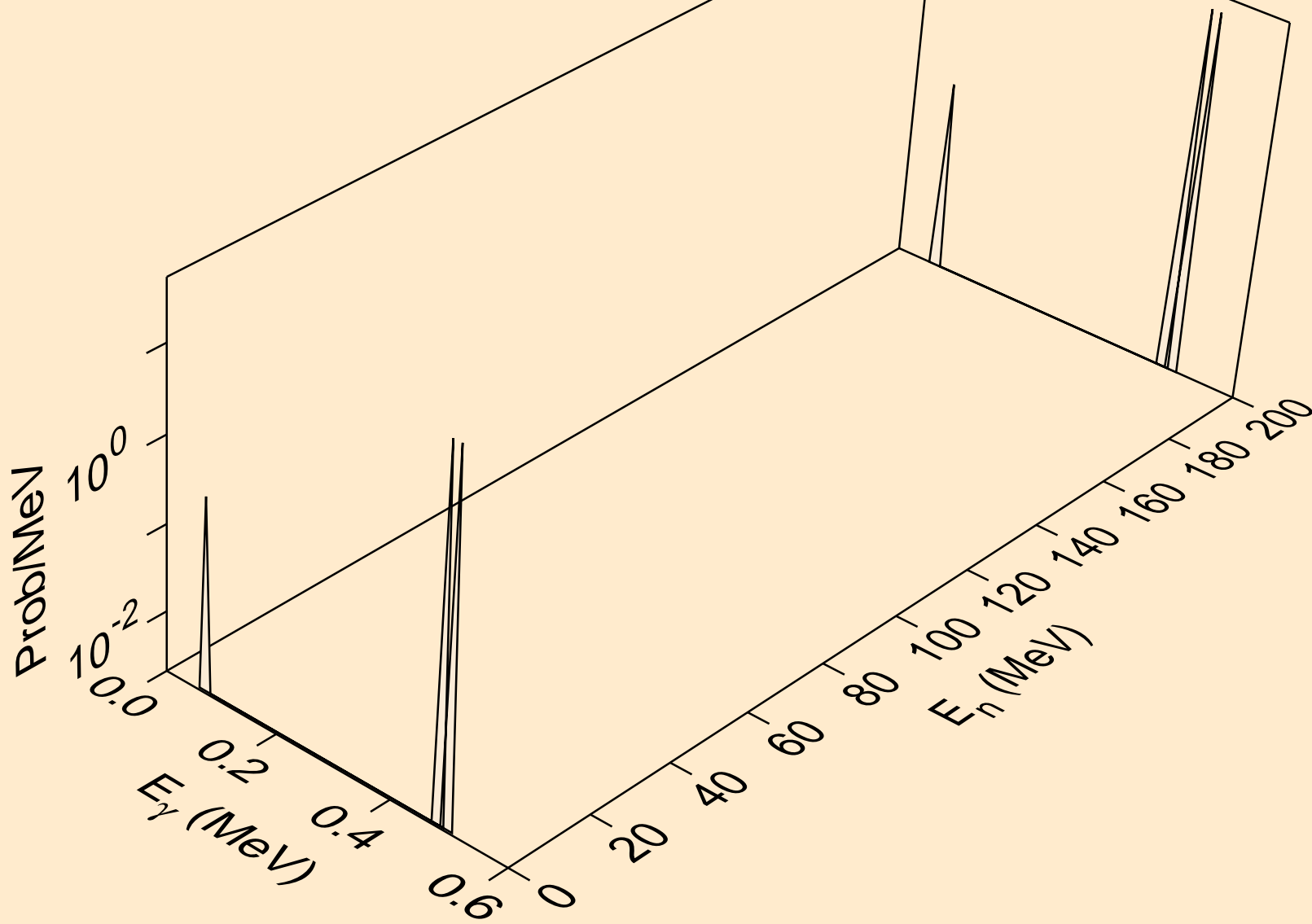
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Photon emission for (n,n\*3)



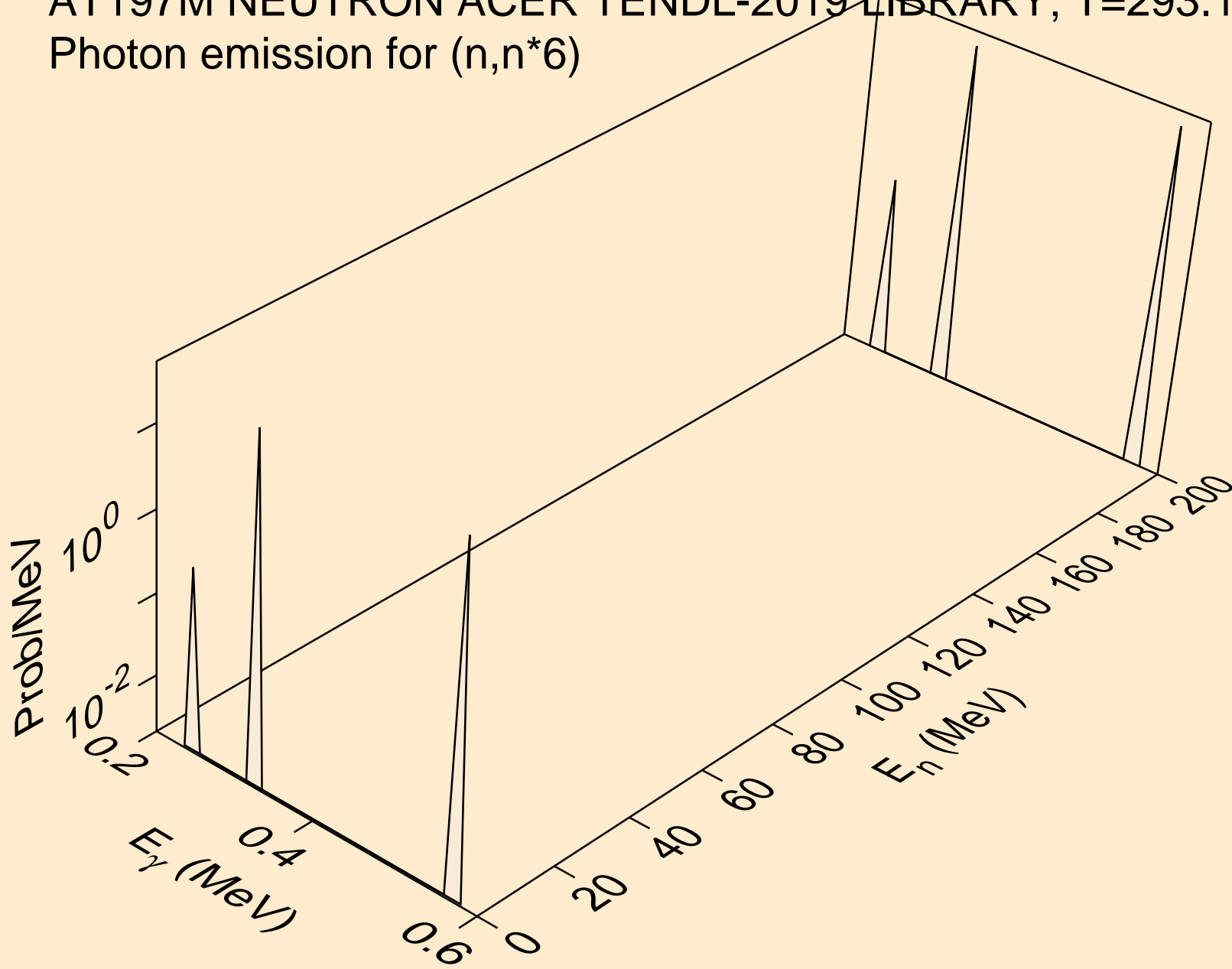
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*4)



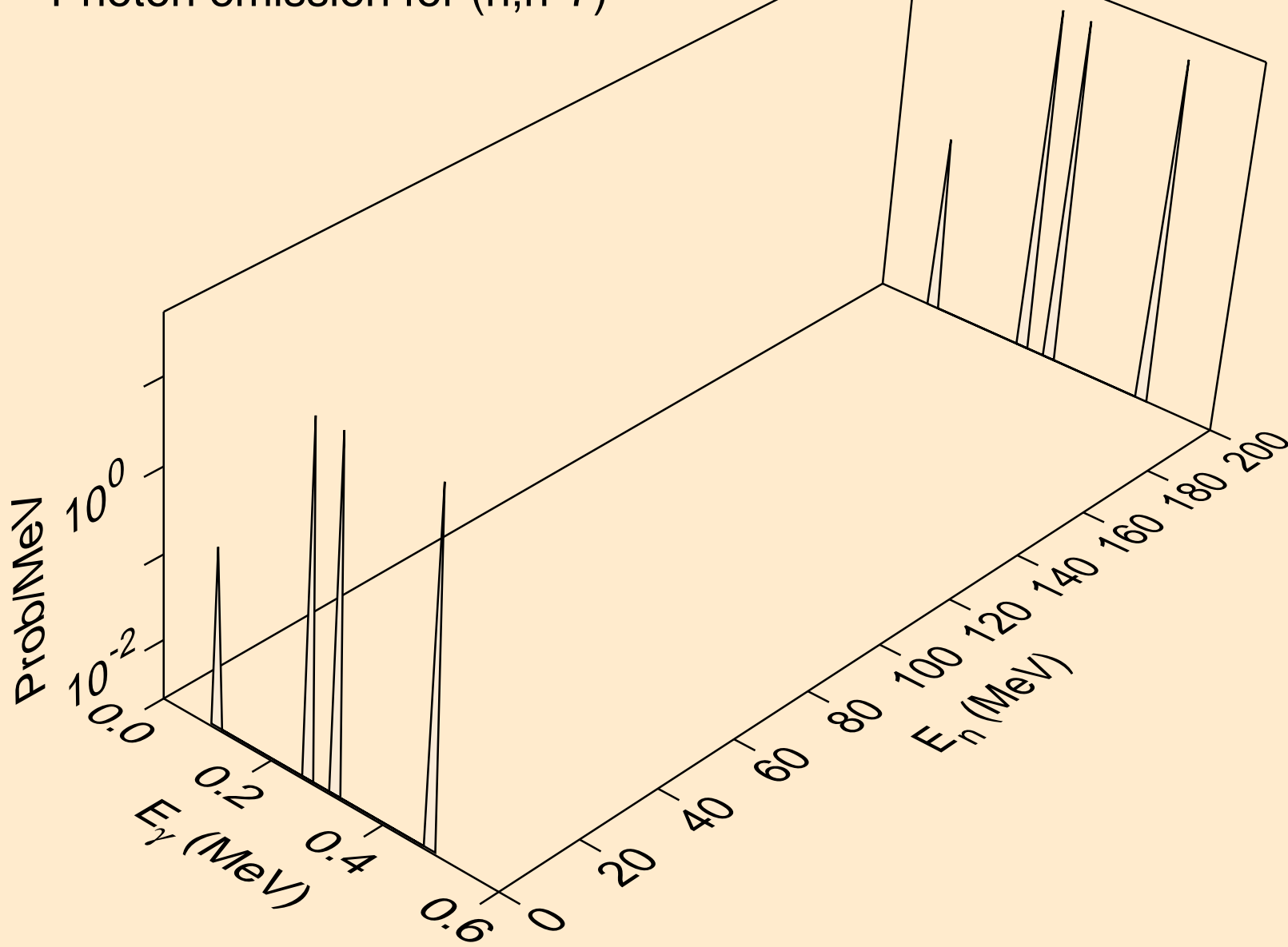
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*5)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*6)

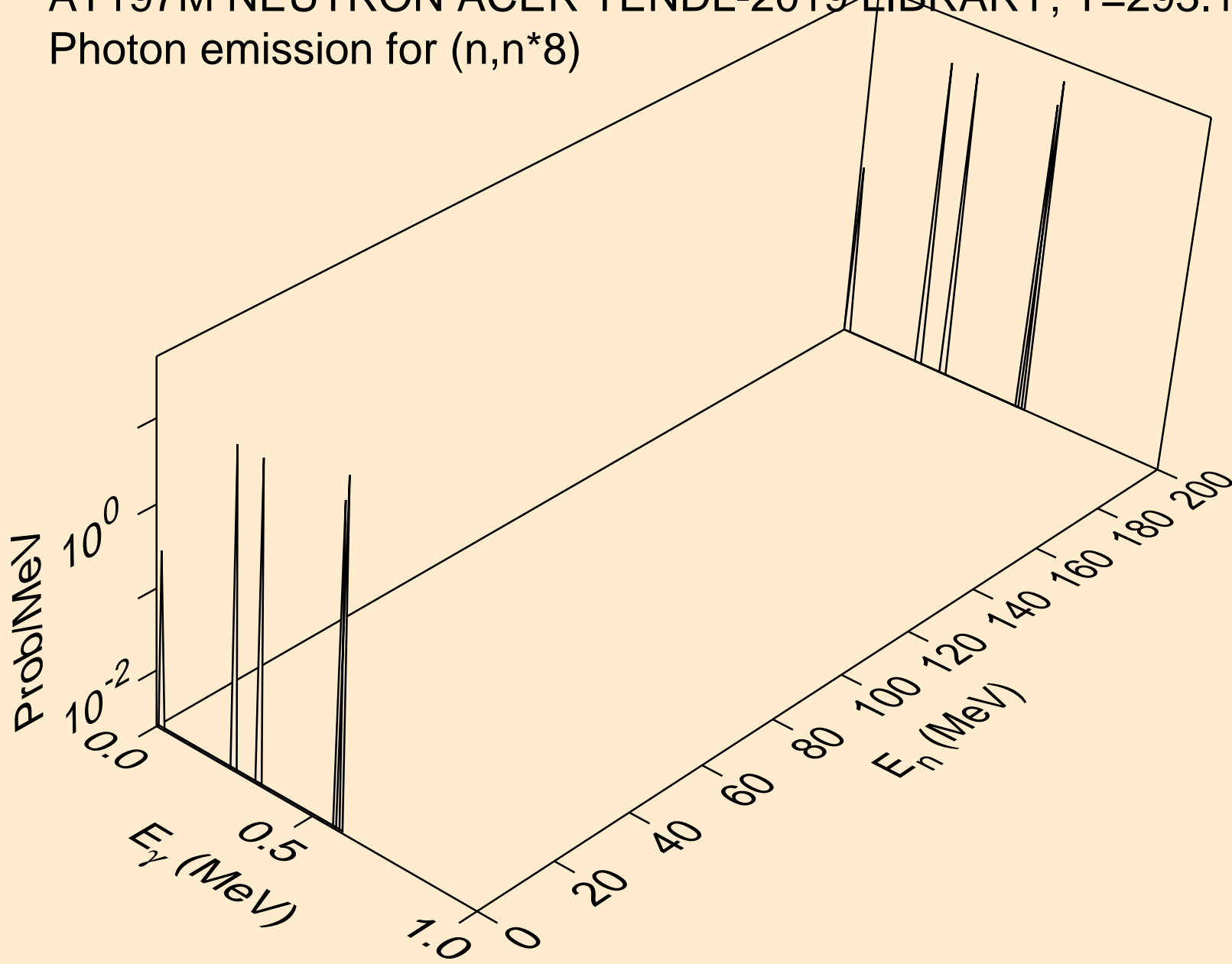


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*7)

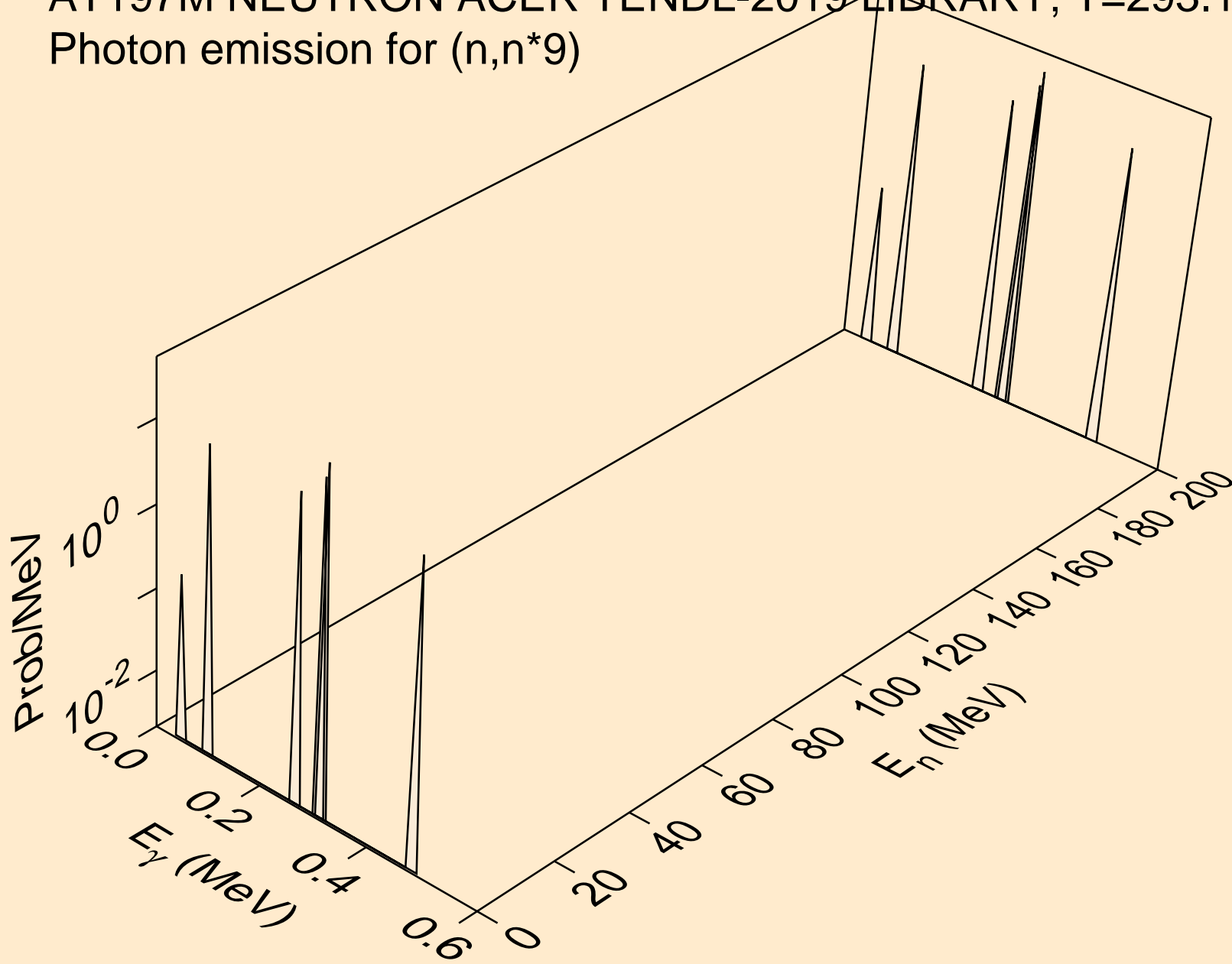




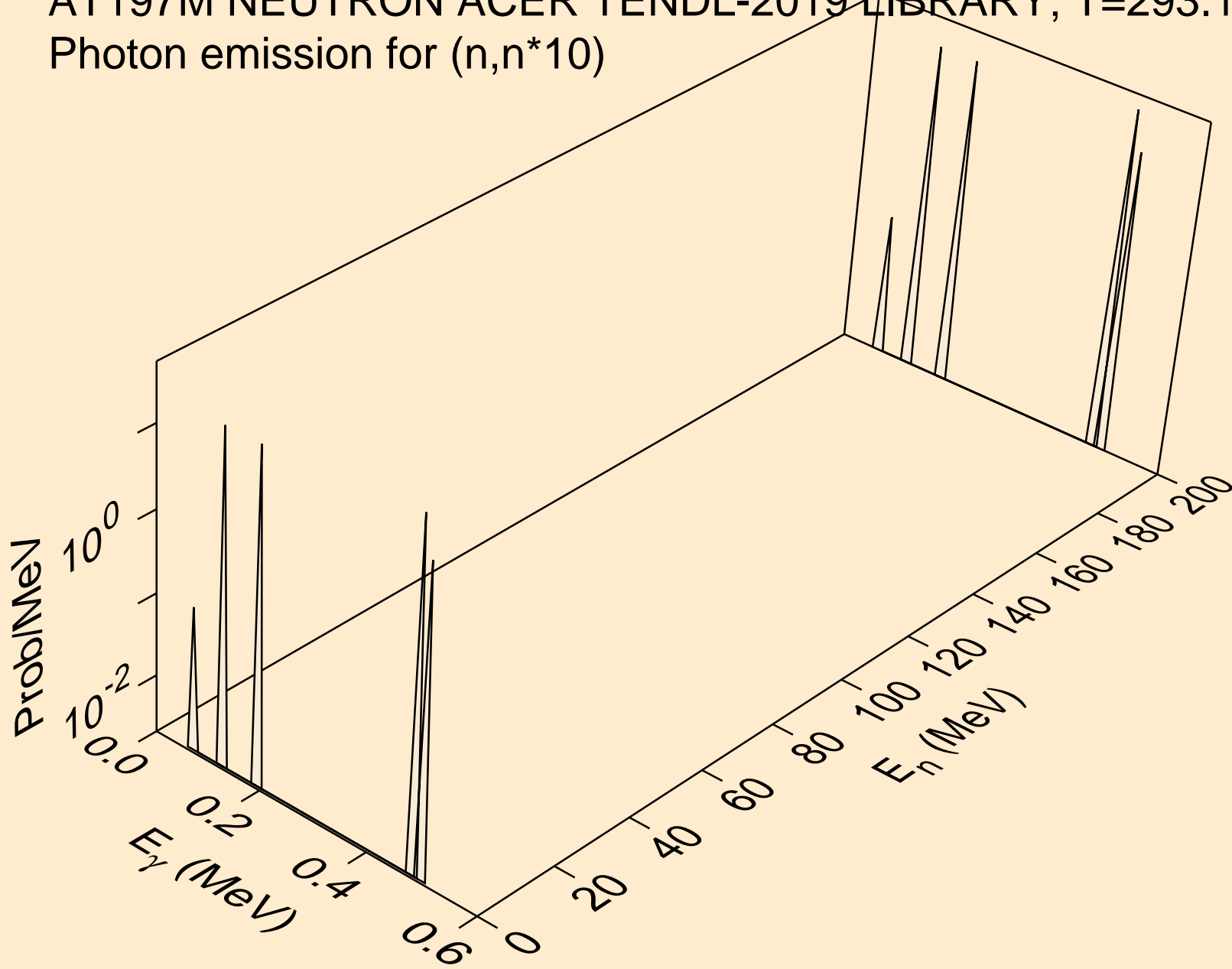
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Photon emission for (n,n\*8)



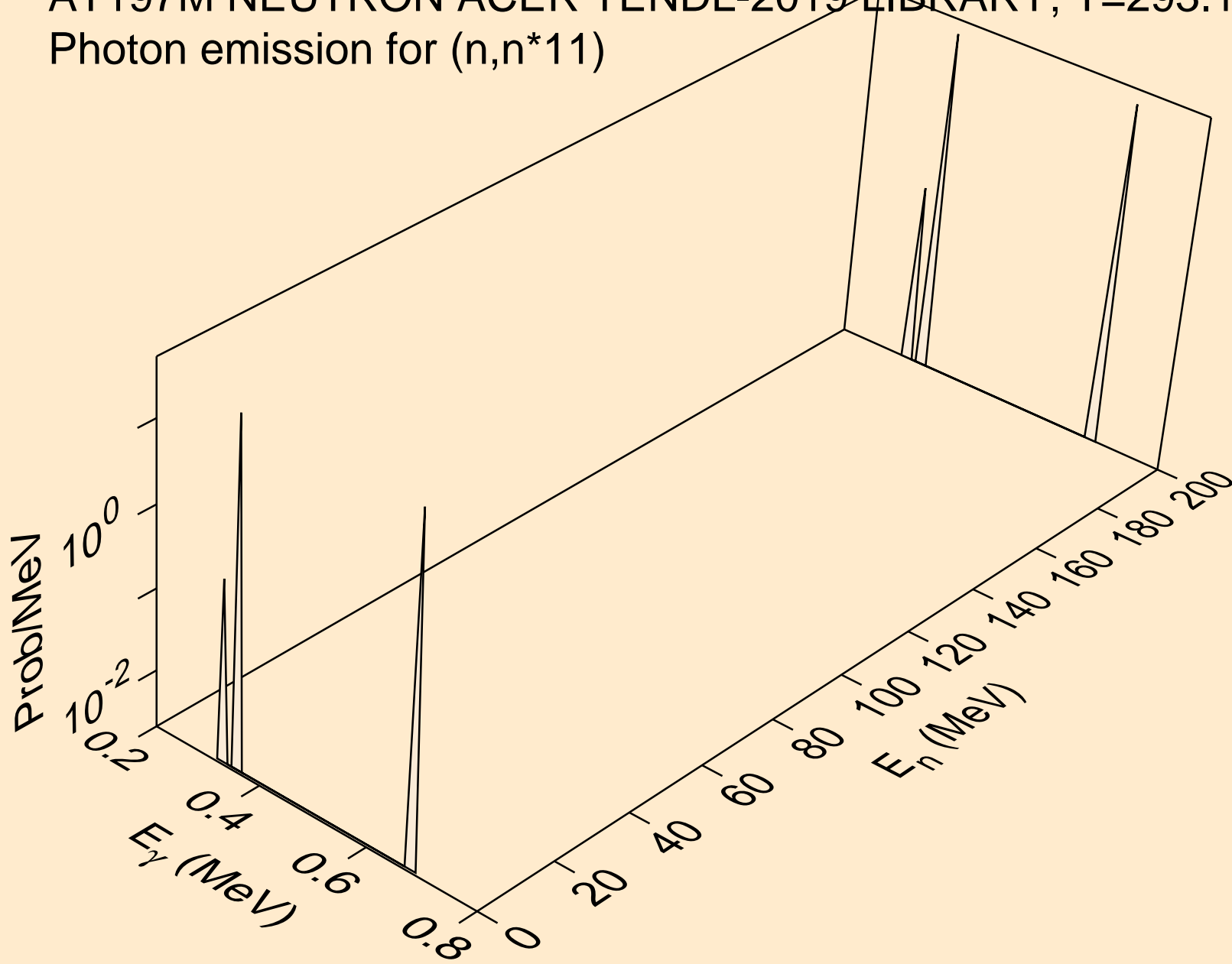
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Photon emission for (n,n\*9)



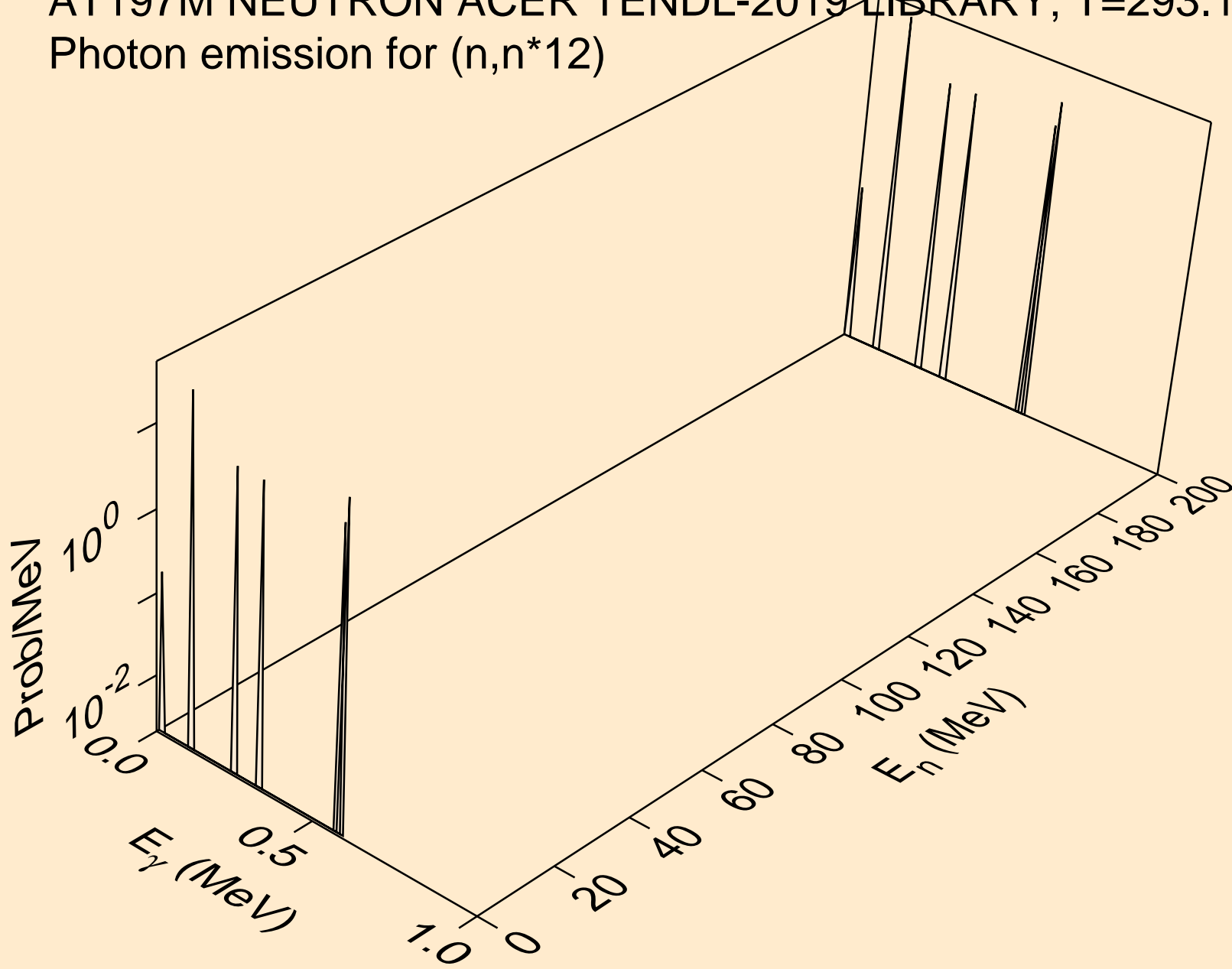
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Photon emission for (n,n\*10)



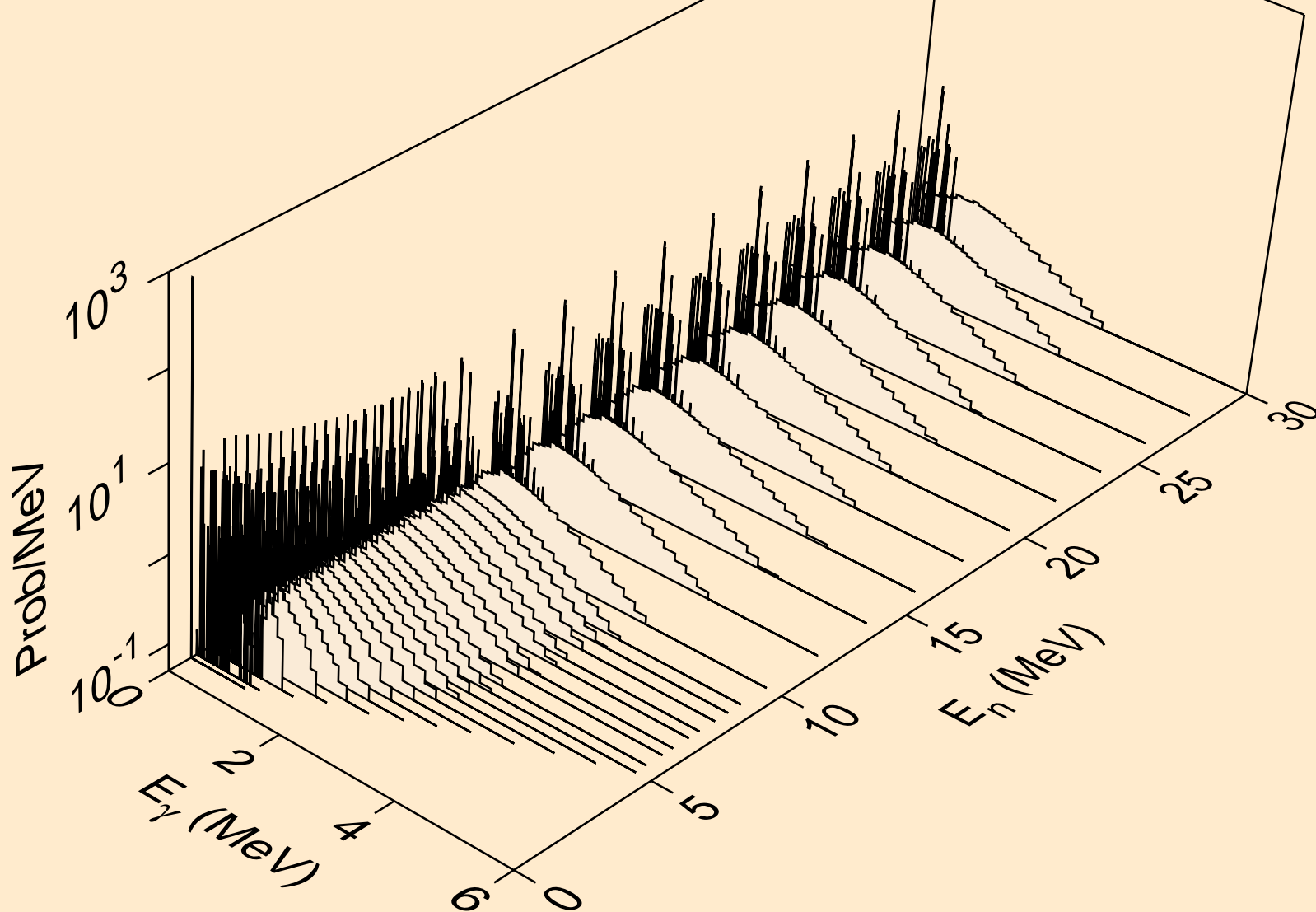
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Photon emission for (n,n\*11)



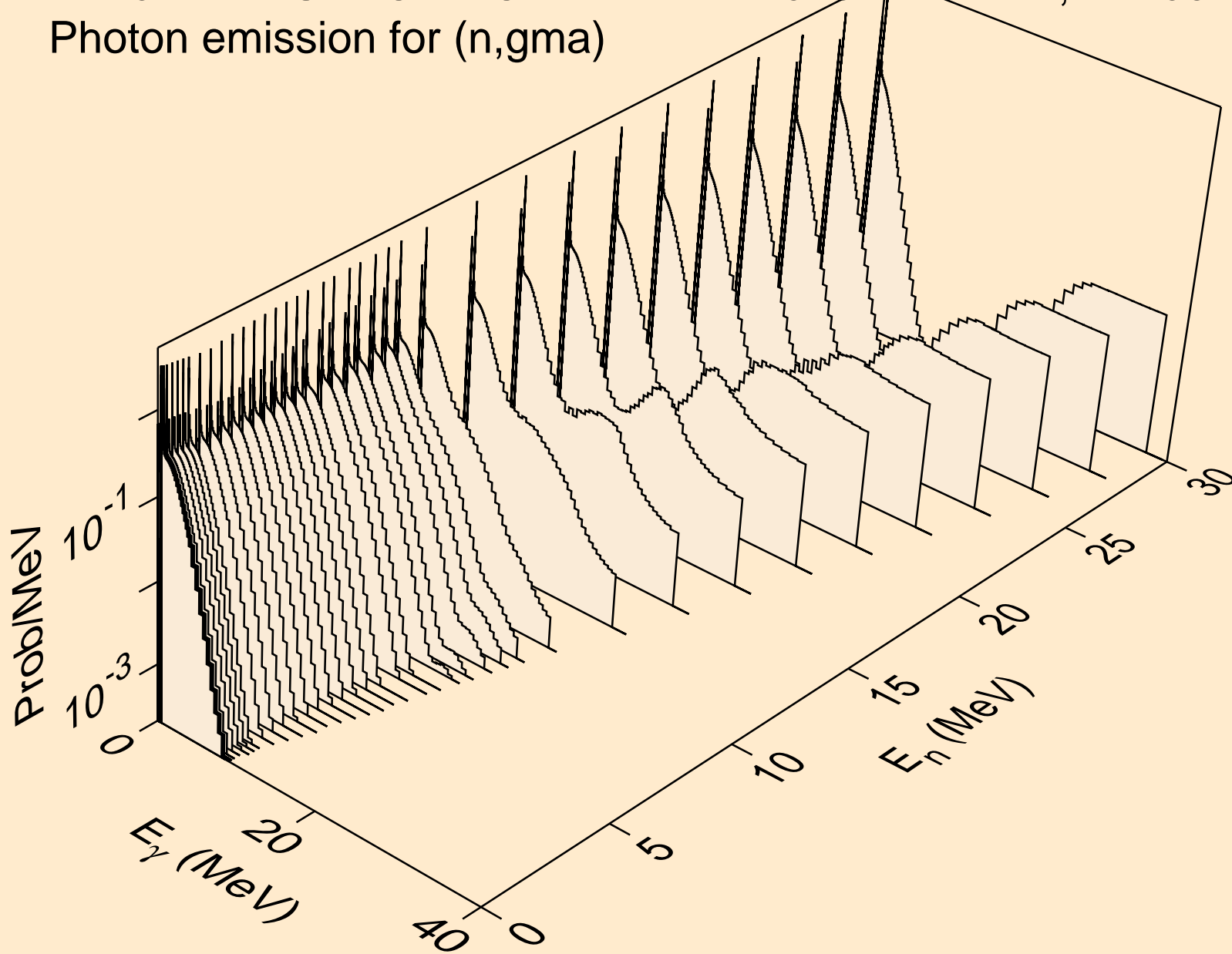
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Photon emission for (n,n\*12)



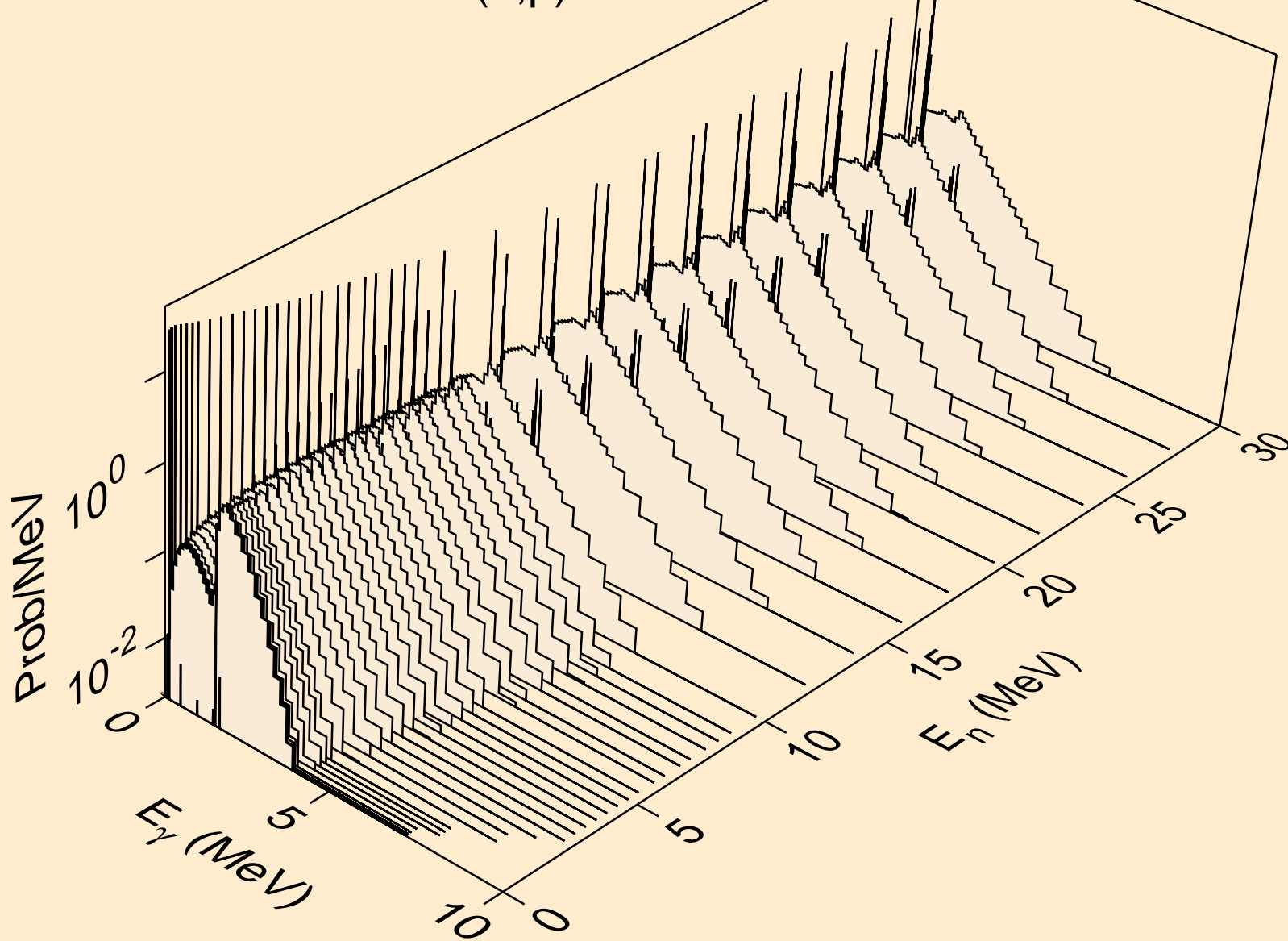
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

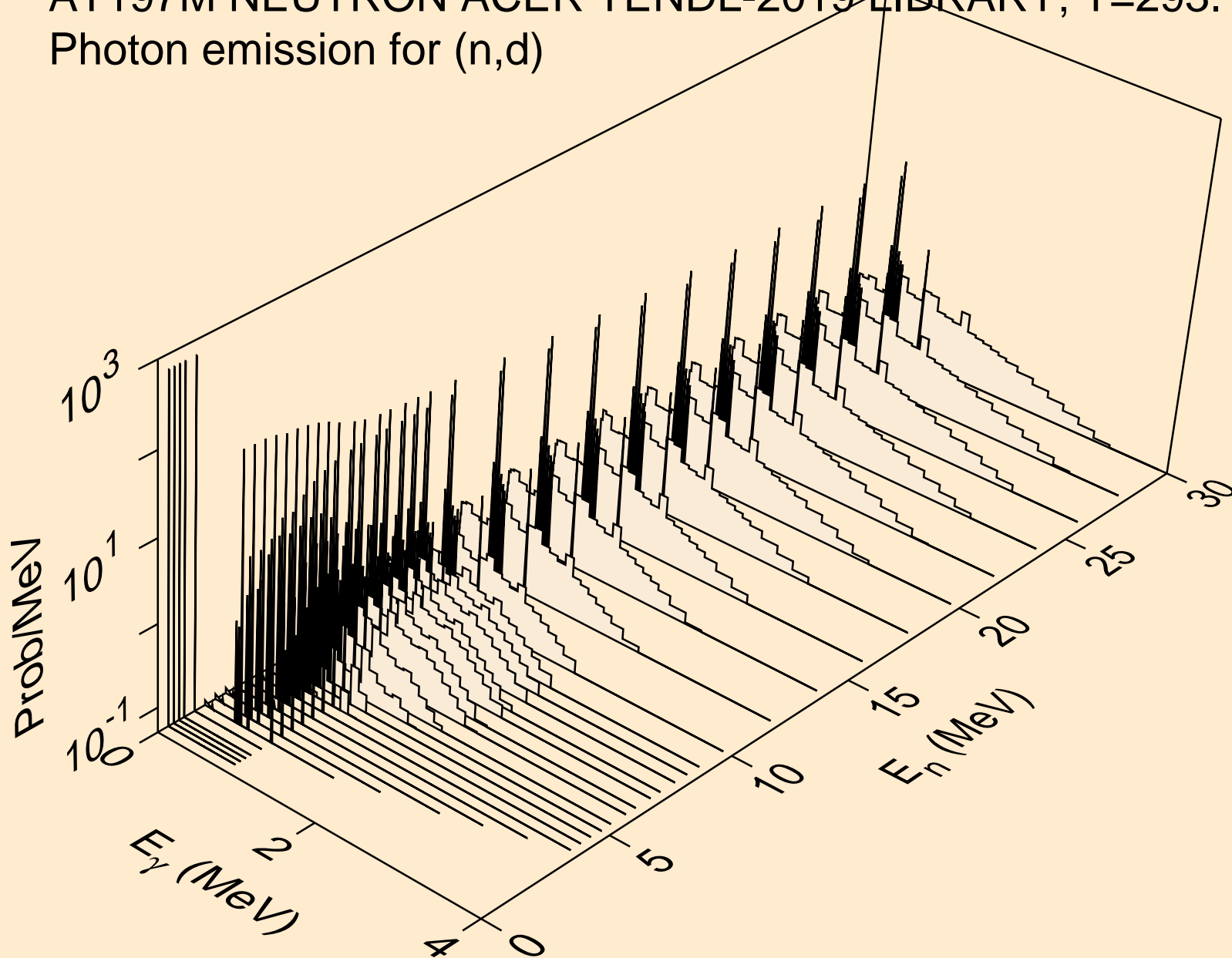


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

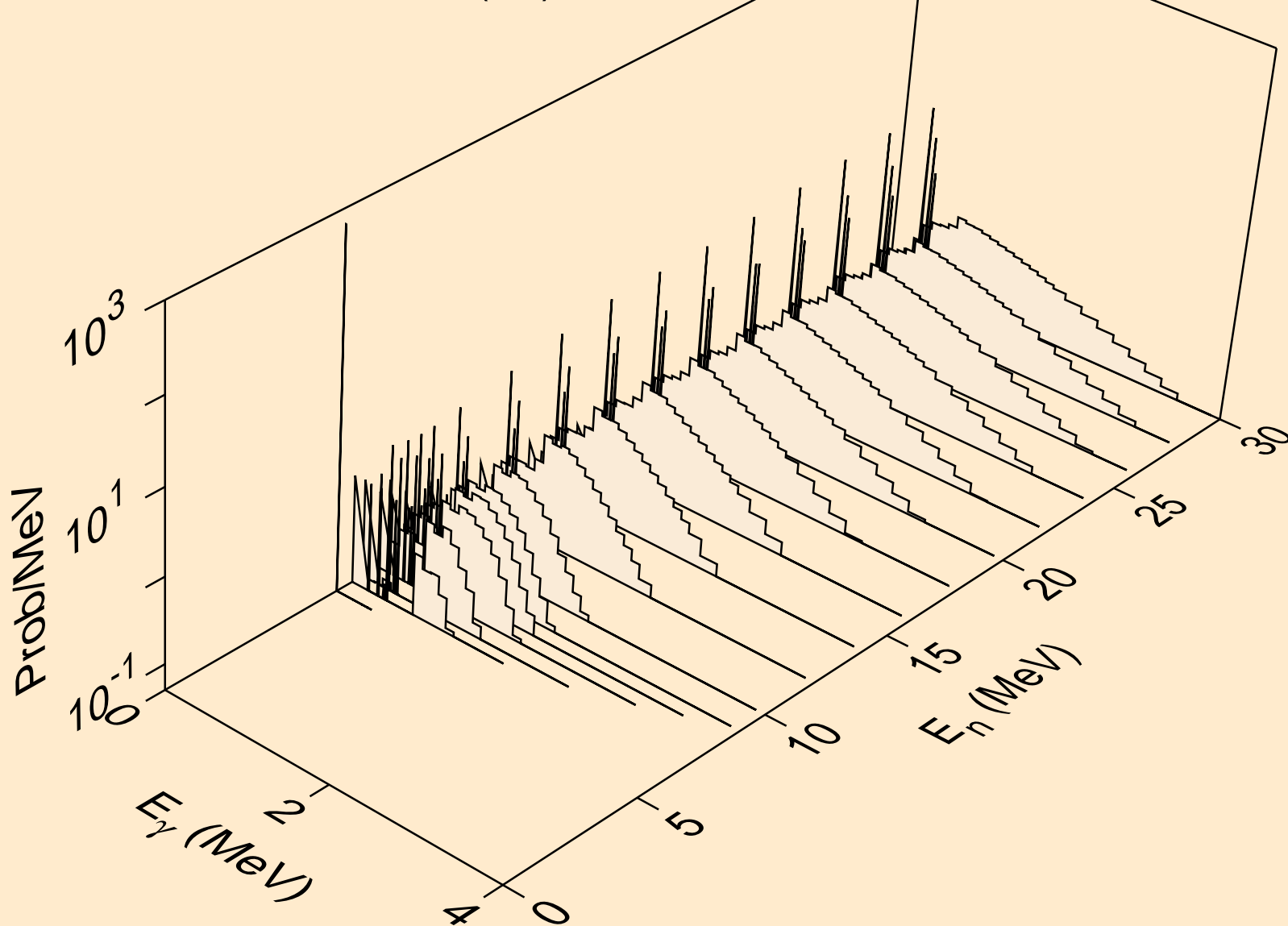




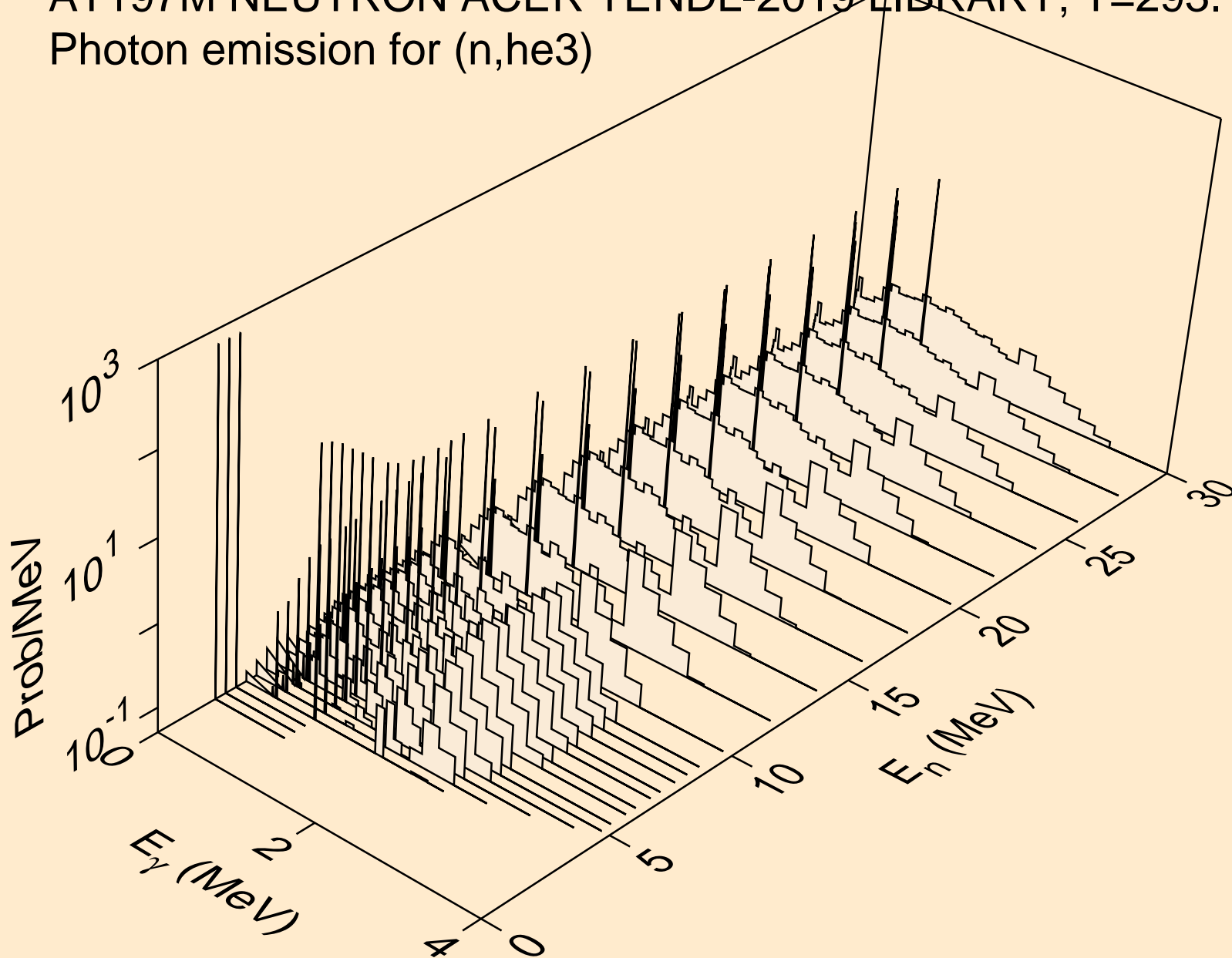
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Photon emission for (n,d)



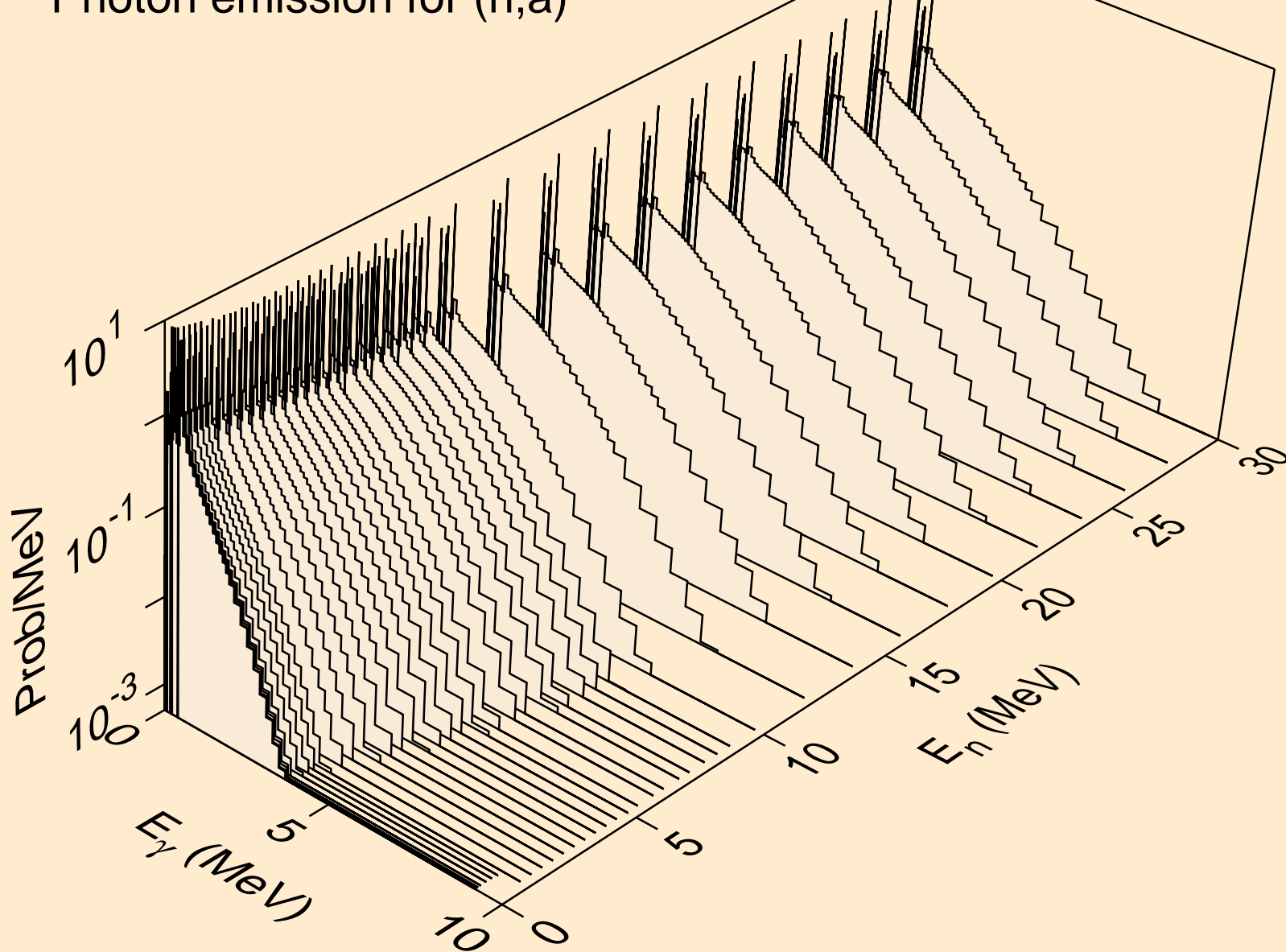
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Photon emission for (n,t)



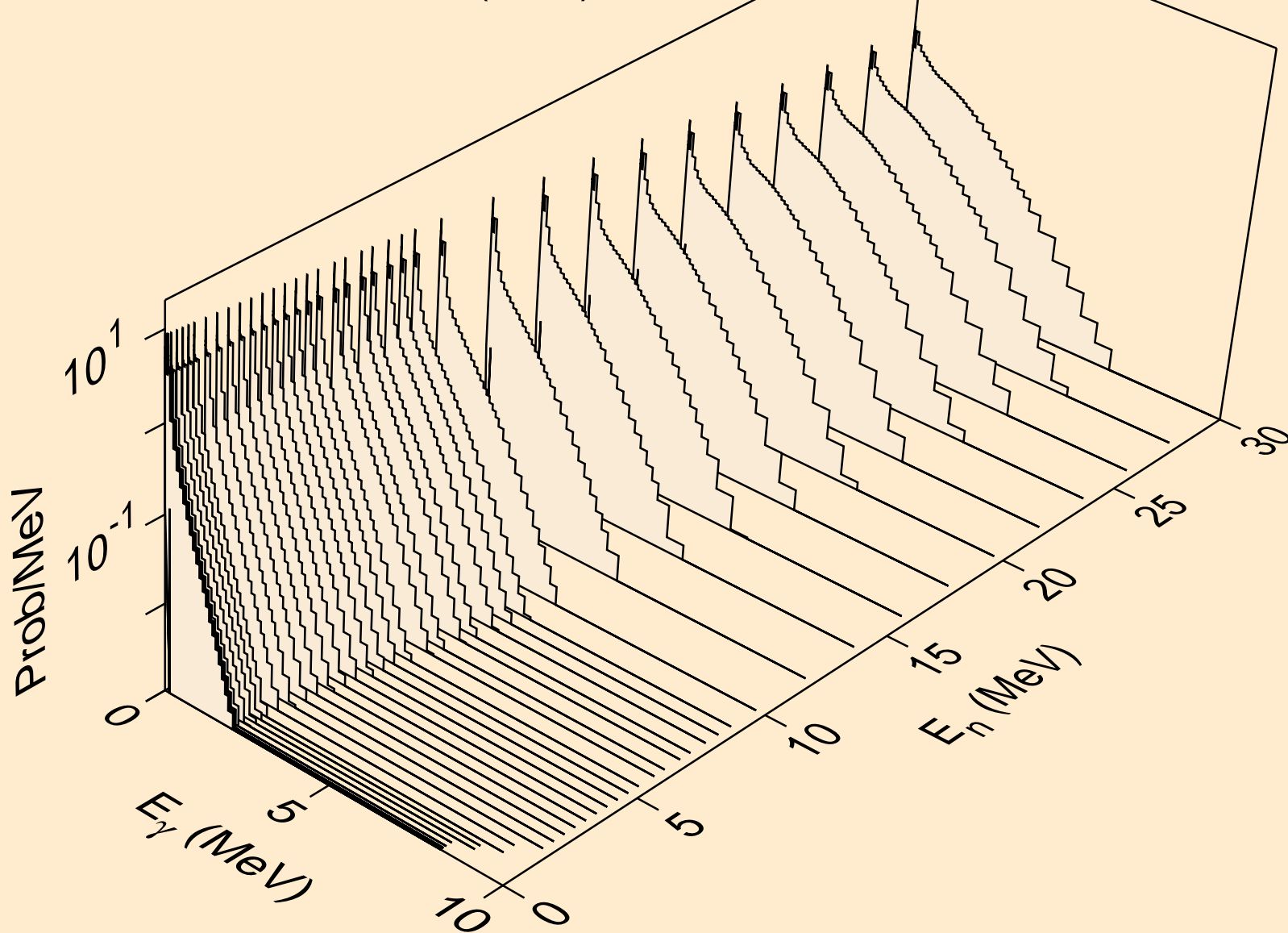
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Photon emission for (n,he3)



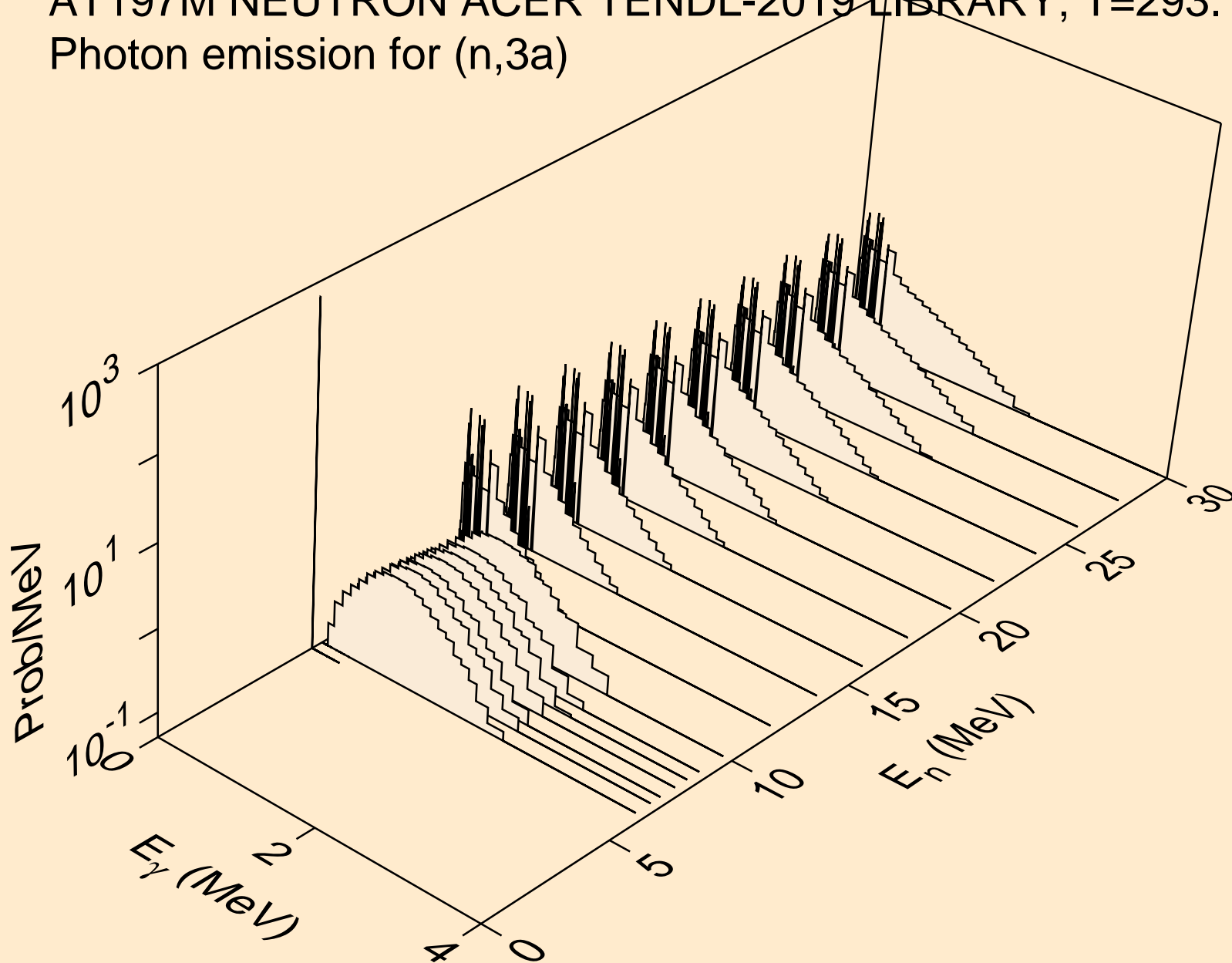
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Photon emission for (n,a)



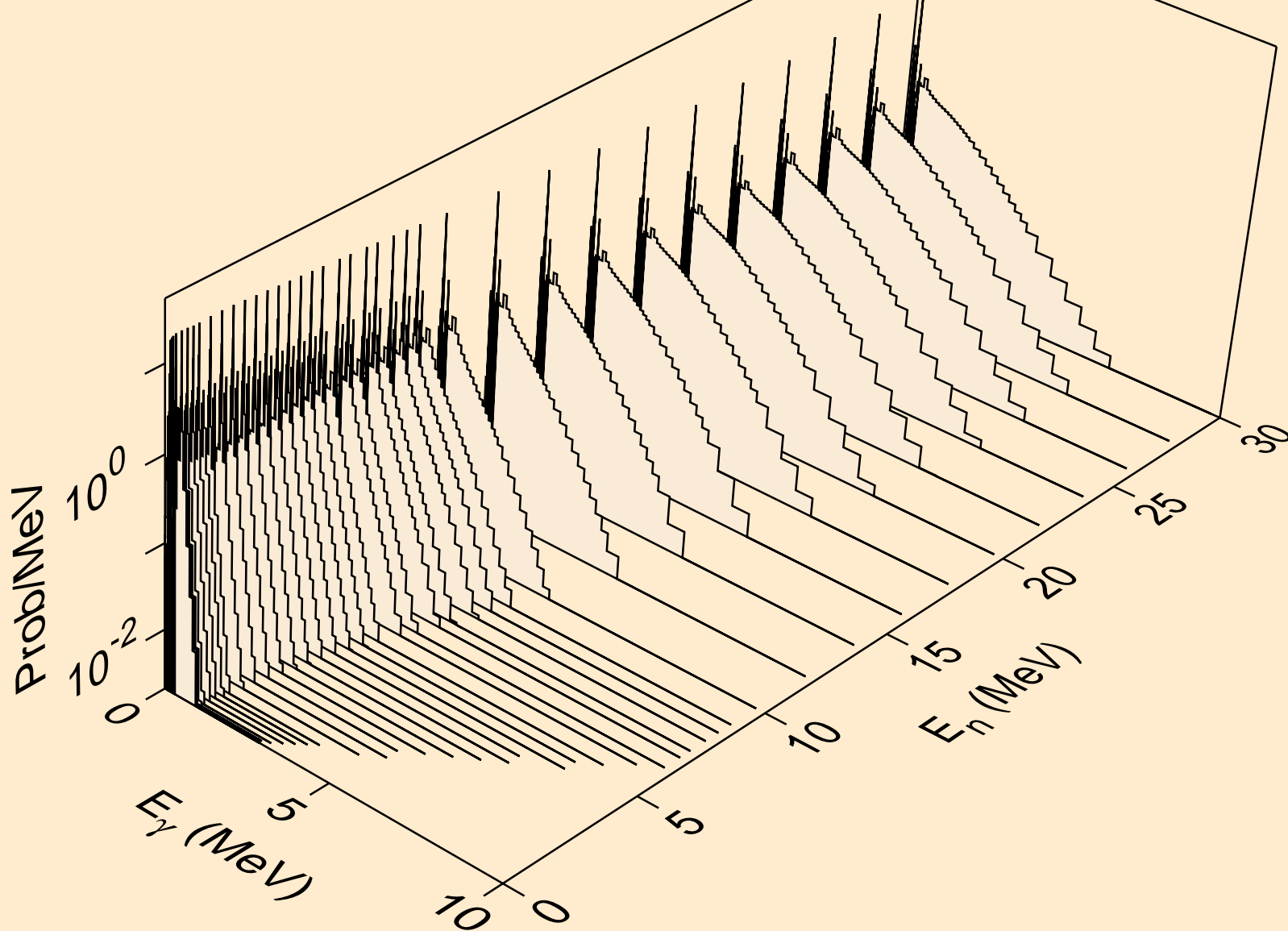
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Photon emission for (n,2a)



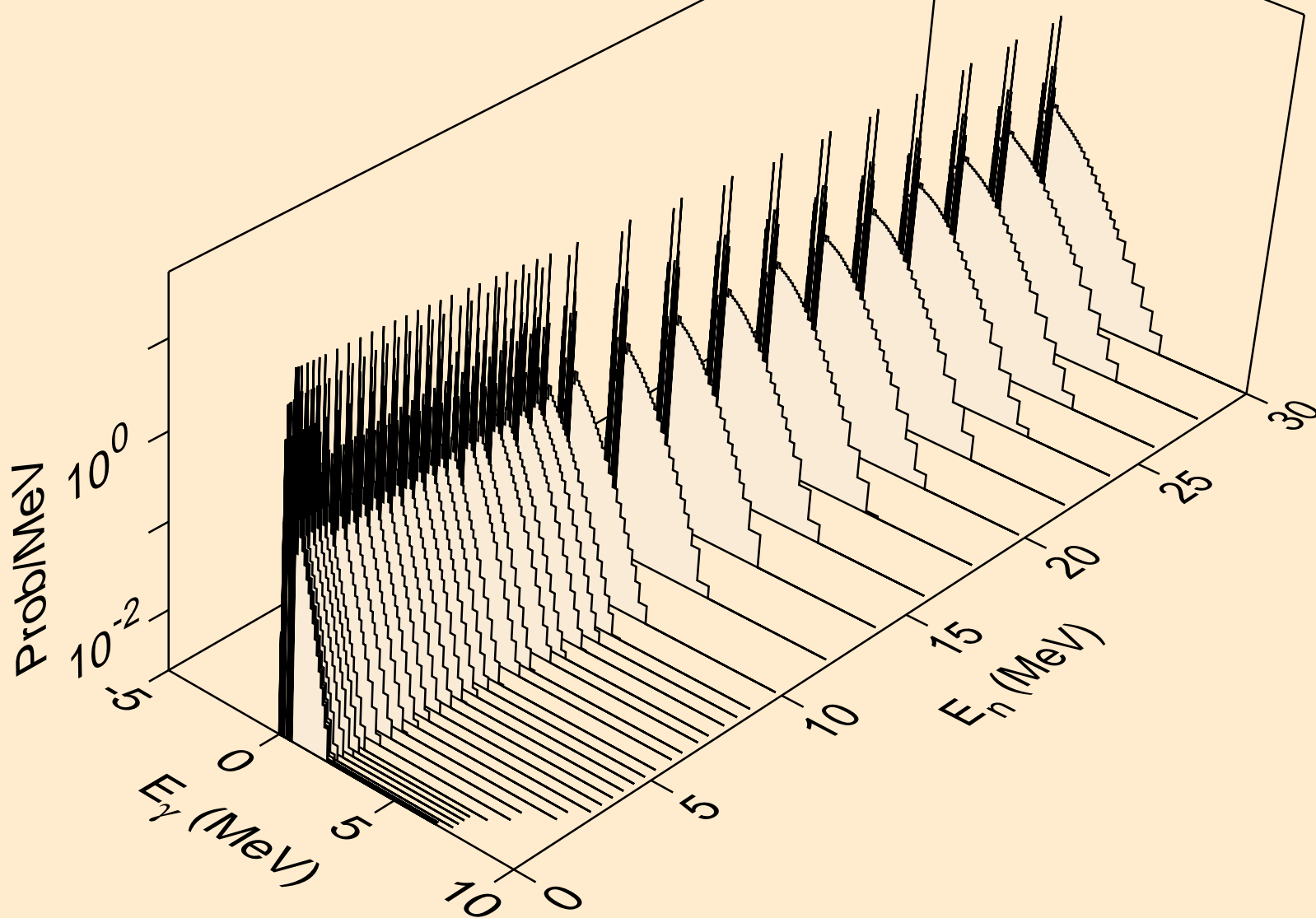
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

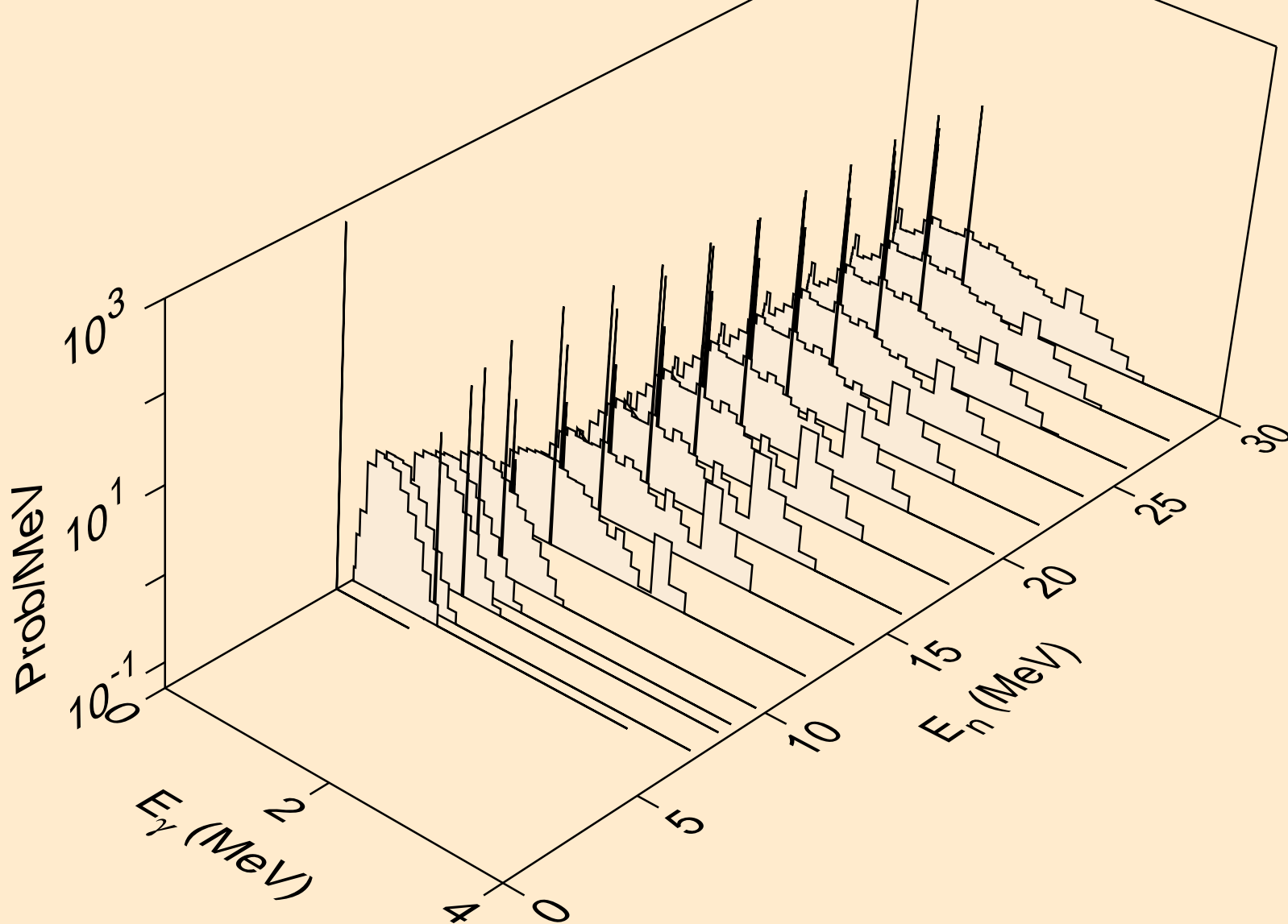


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

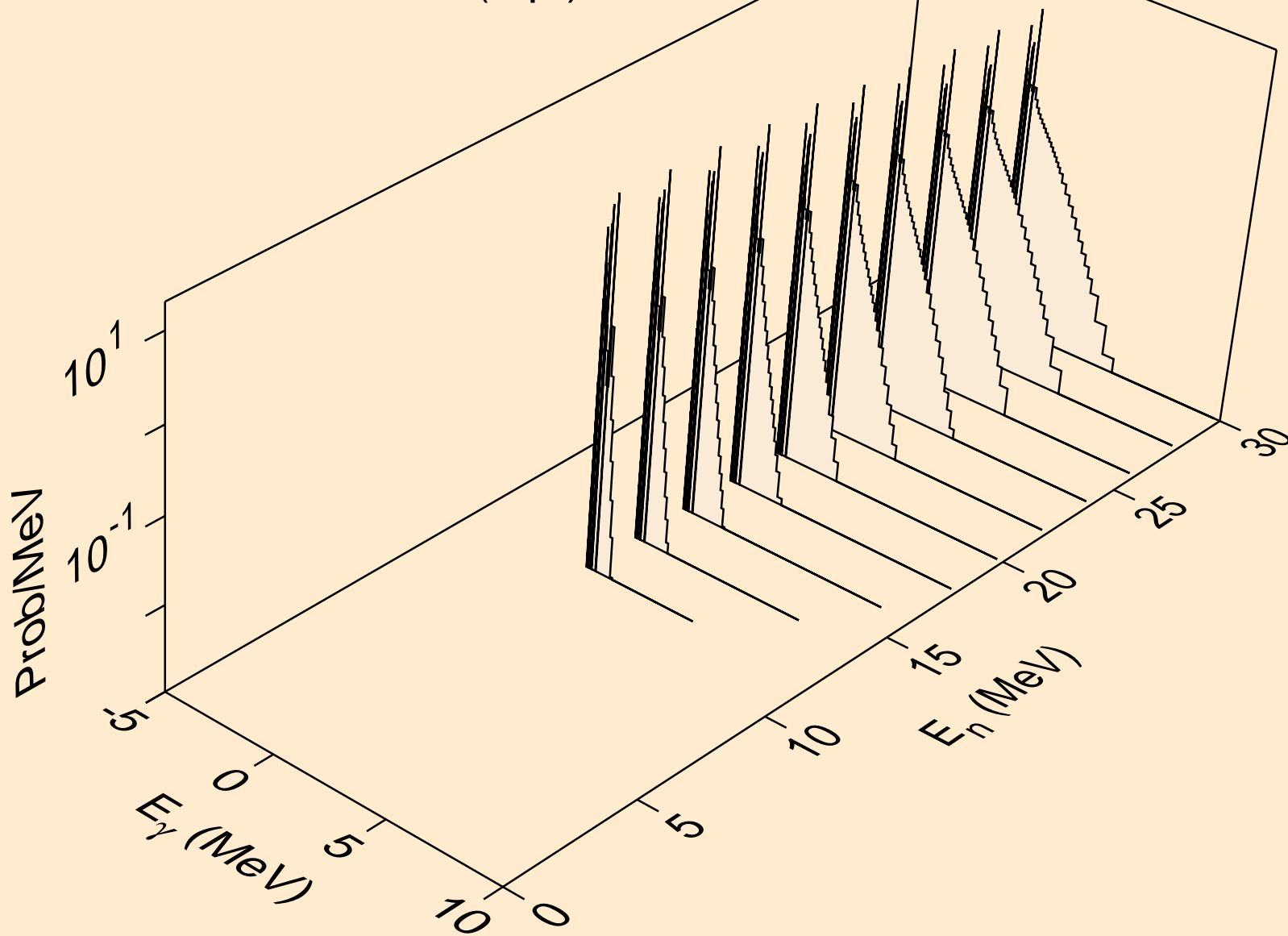




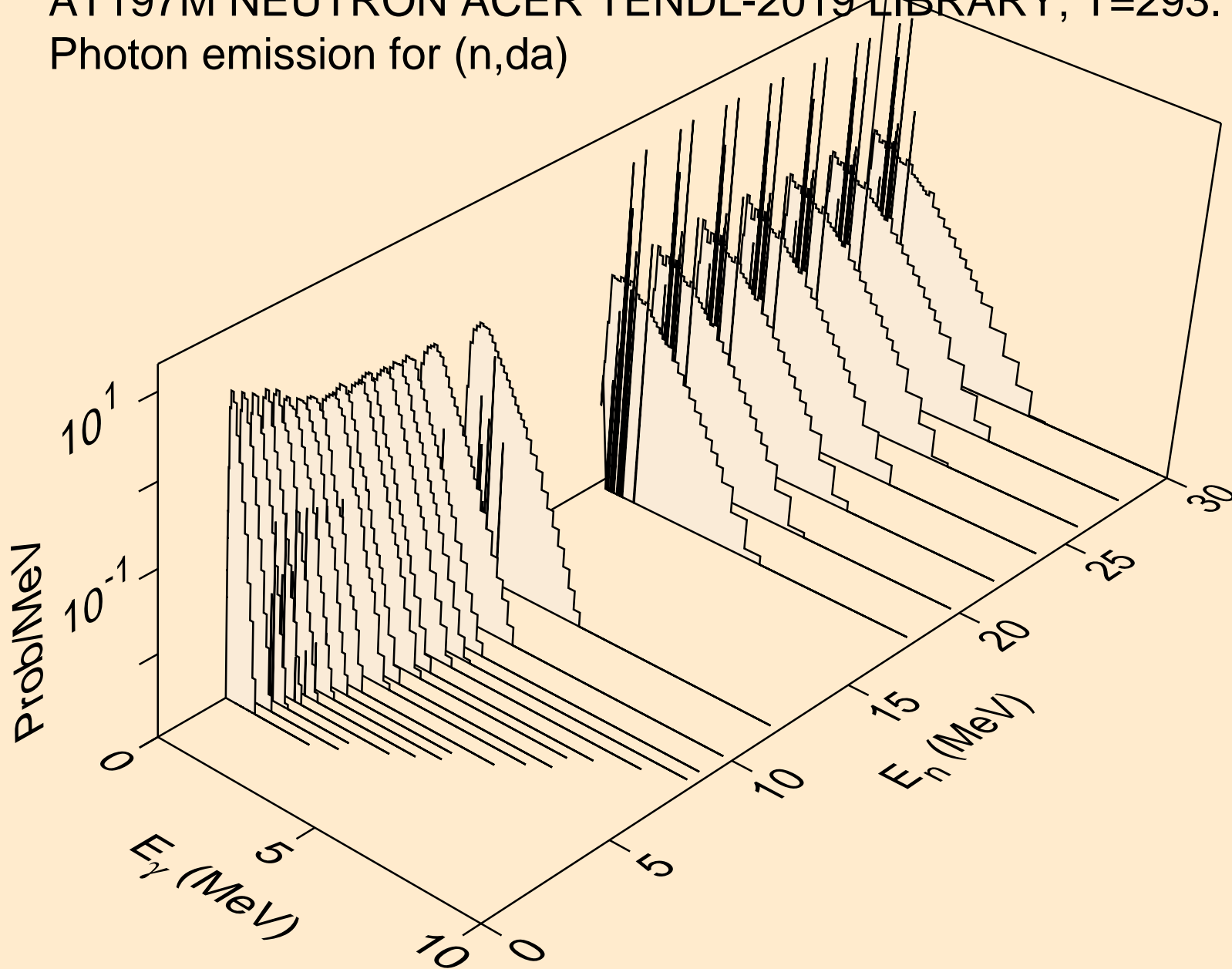
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Photon emission for (n,pd)



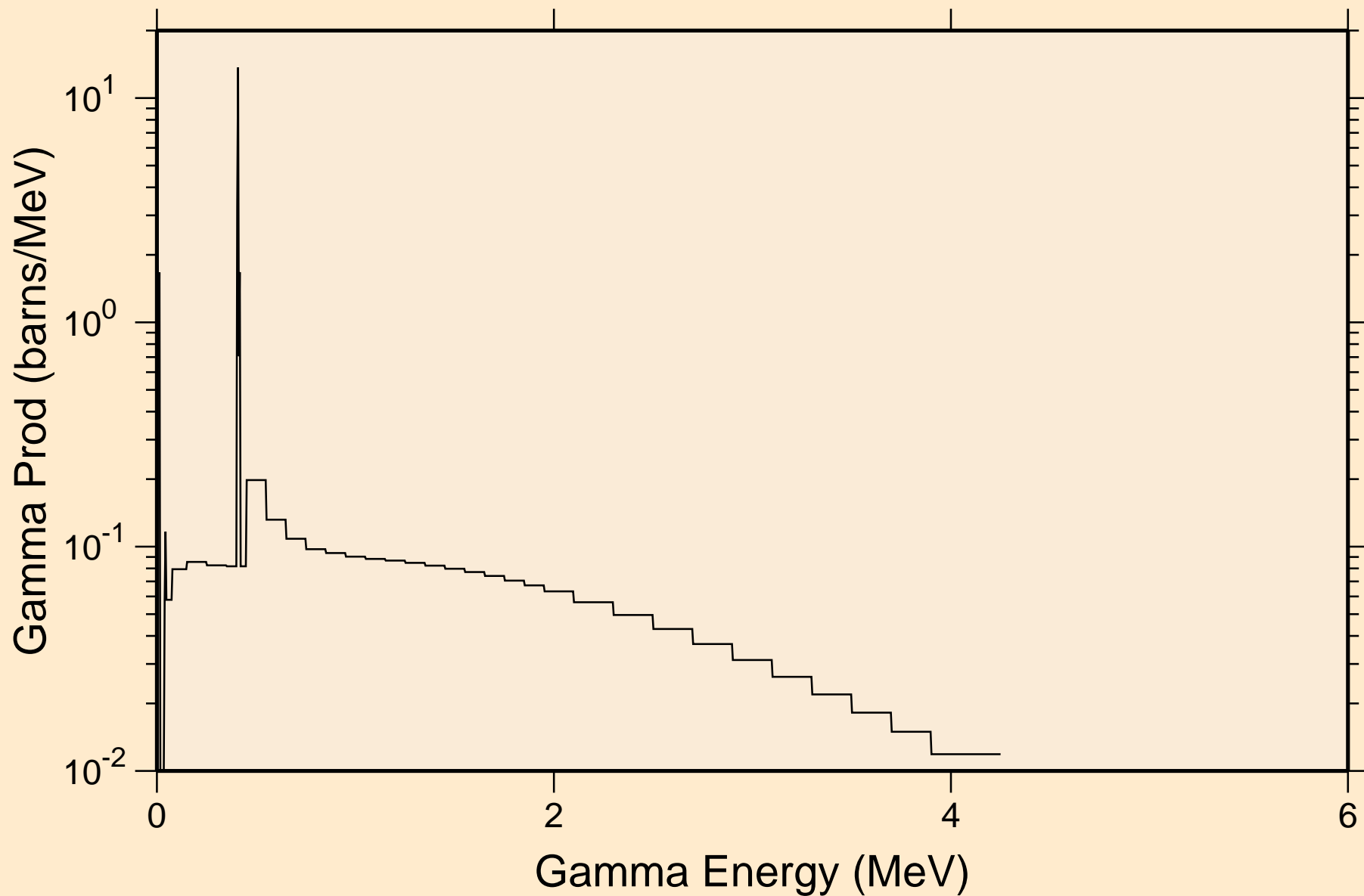
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Photon emission for (n,pt)



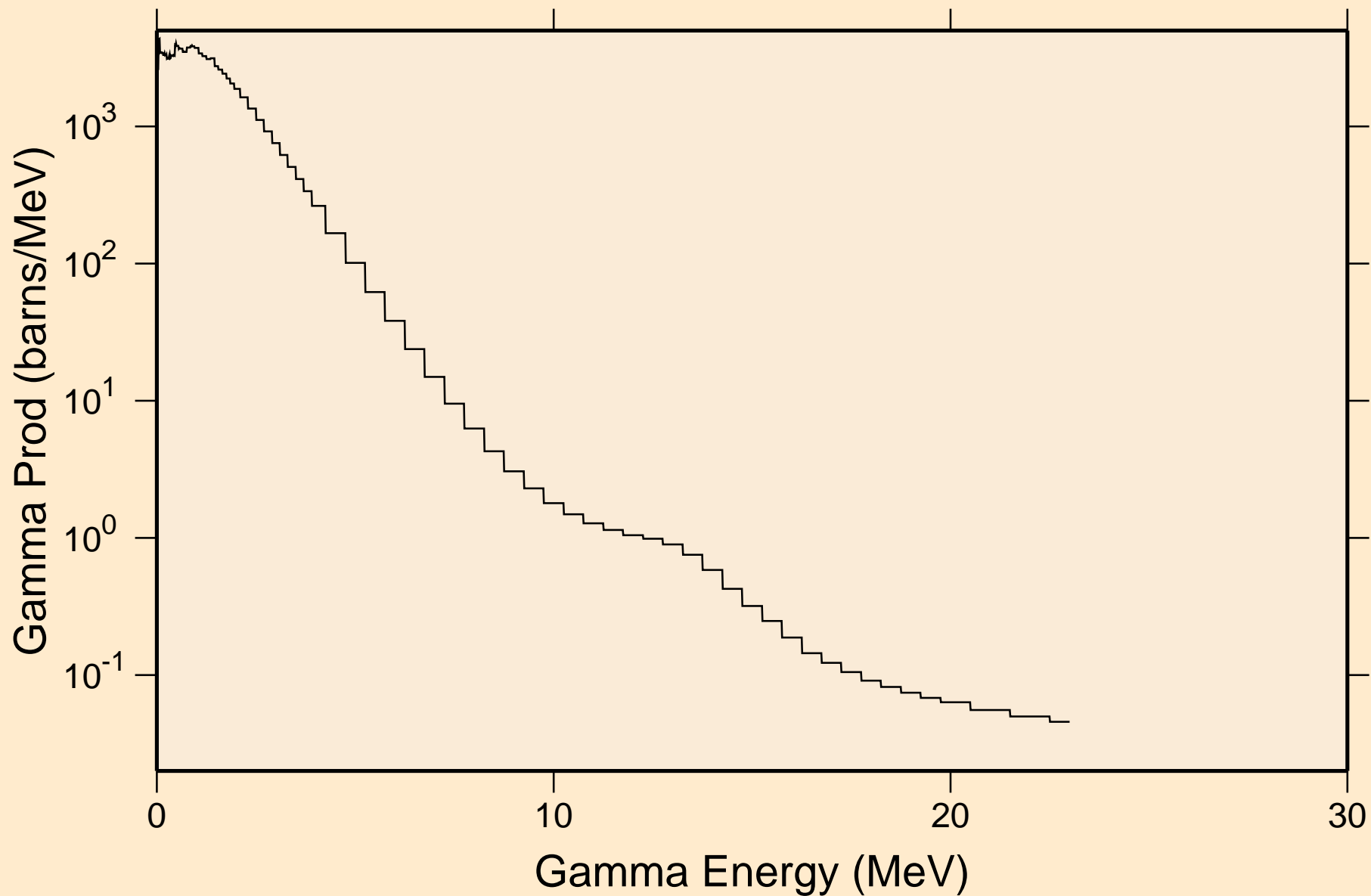
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

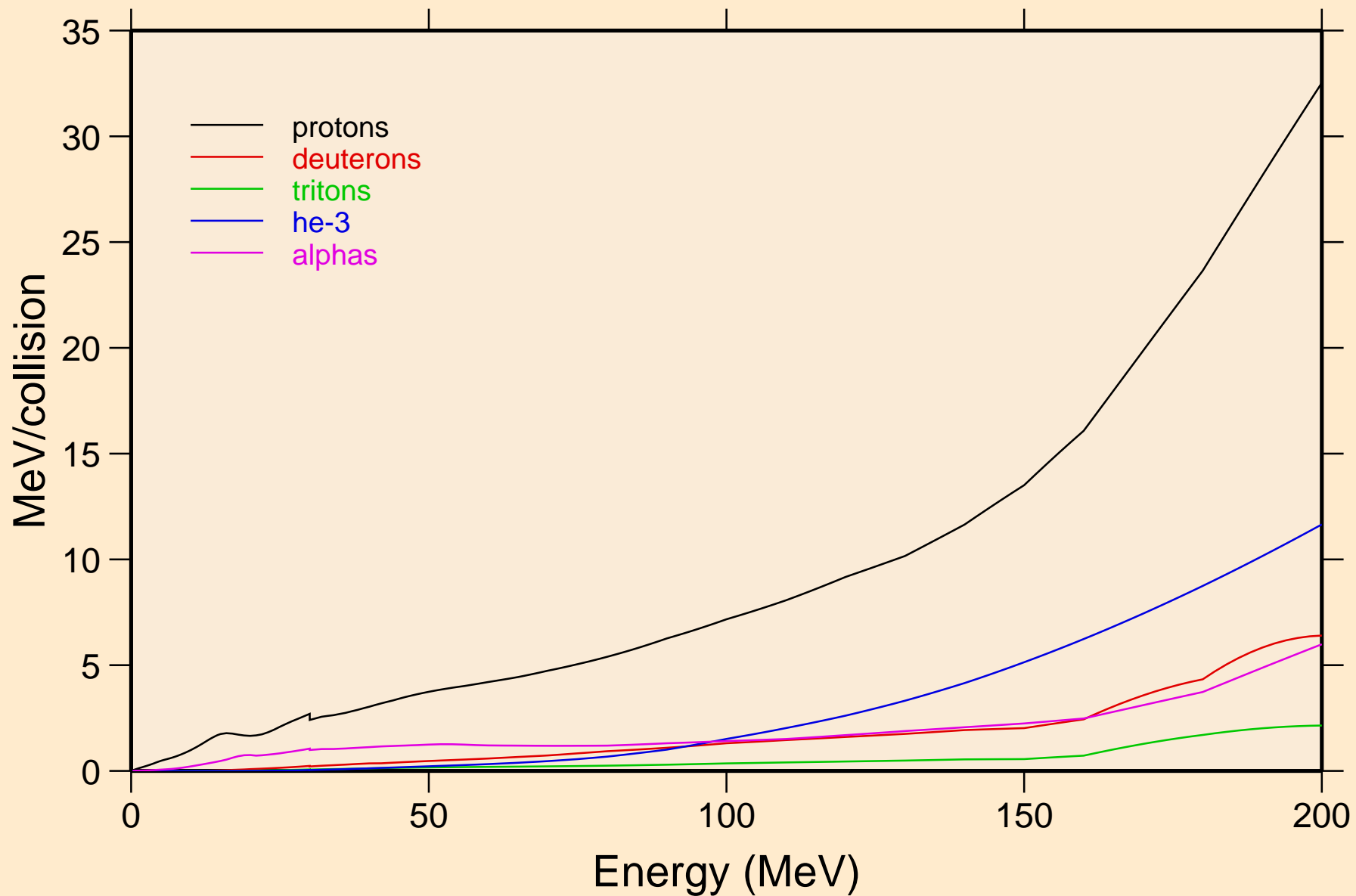


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

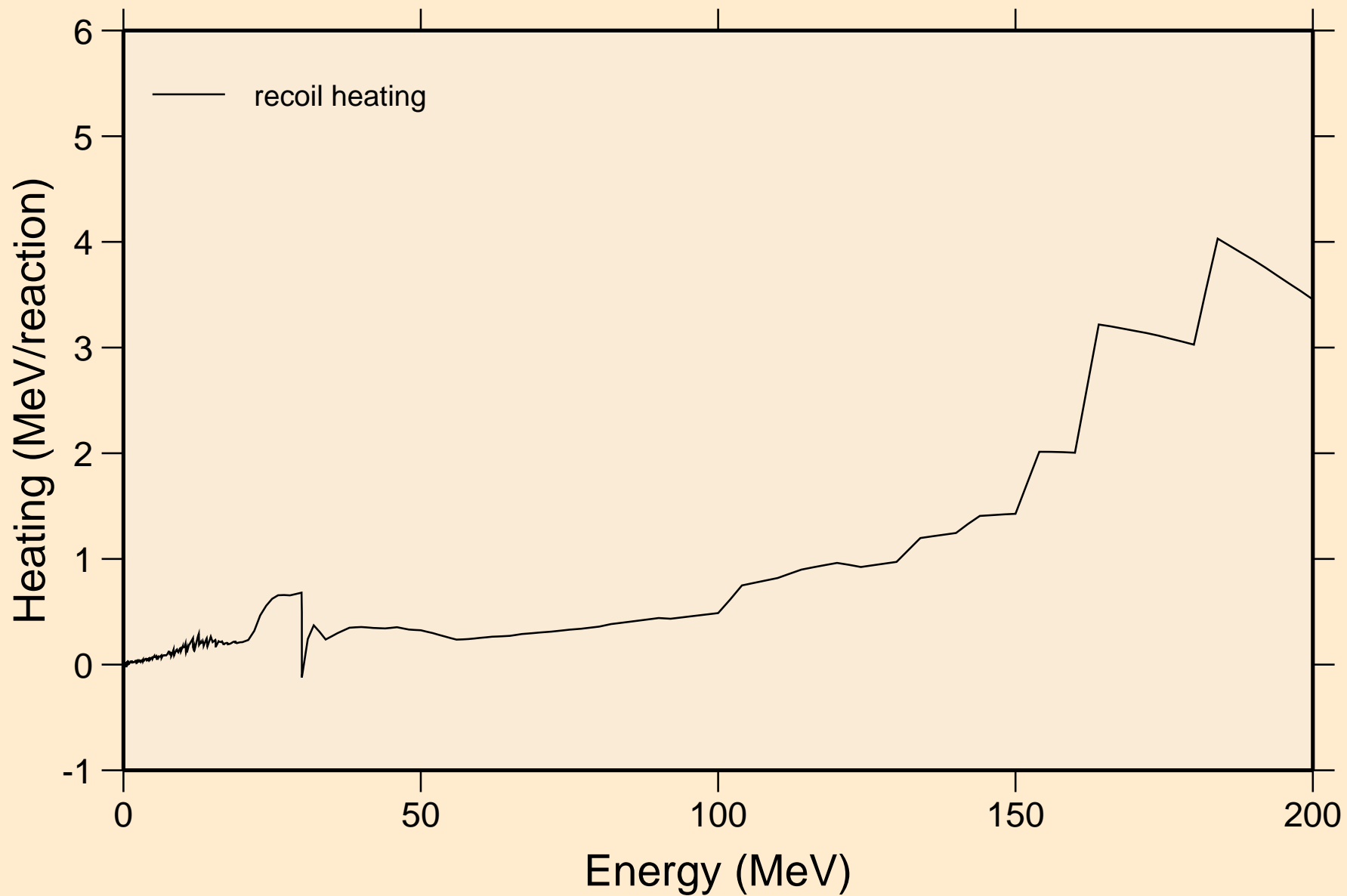


# AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

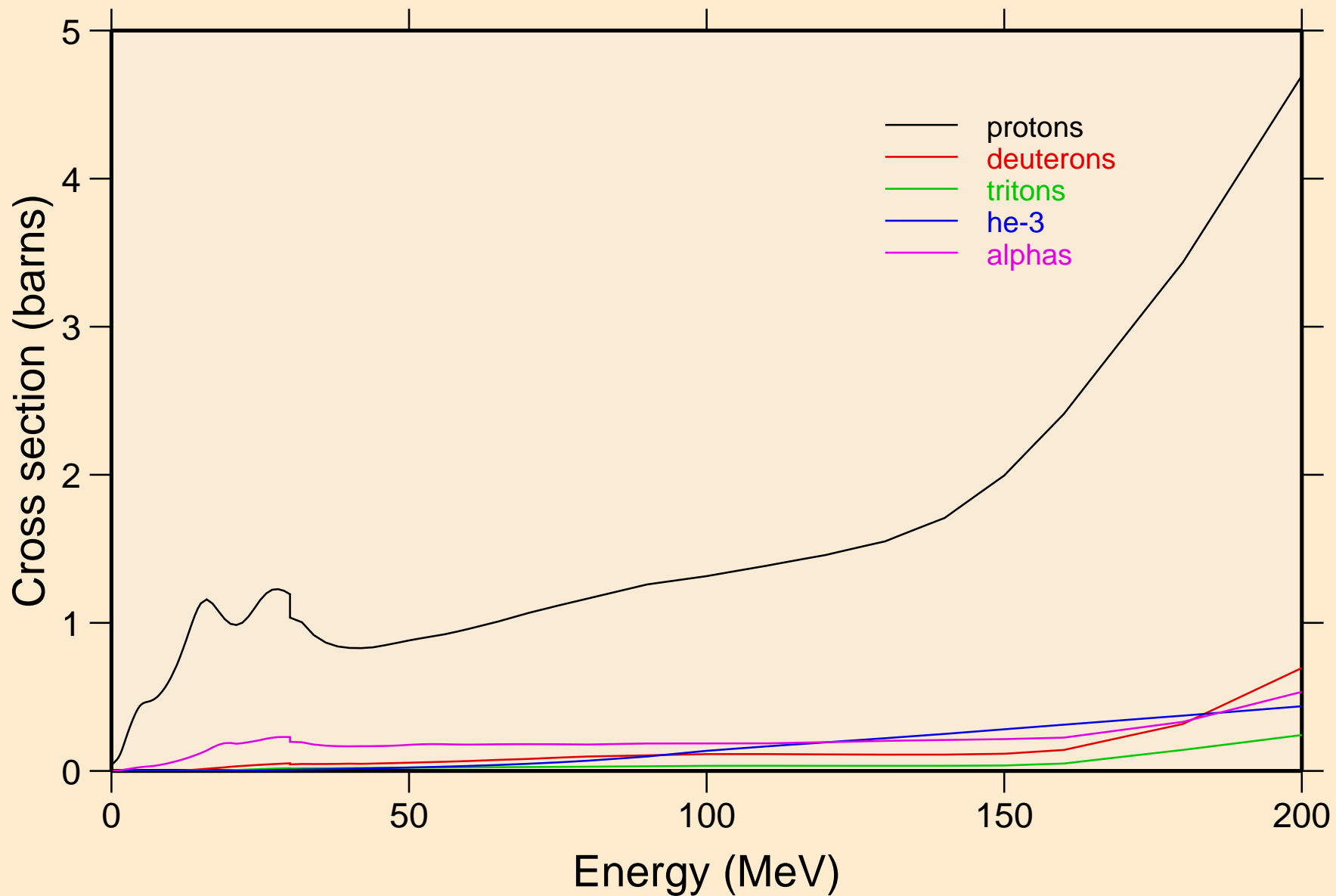
## Particle heating contributions



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

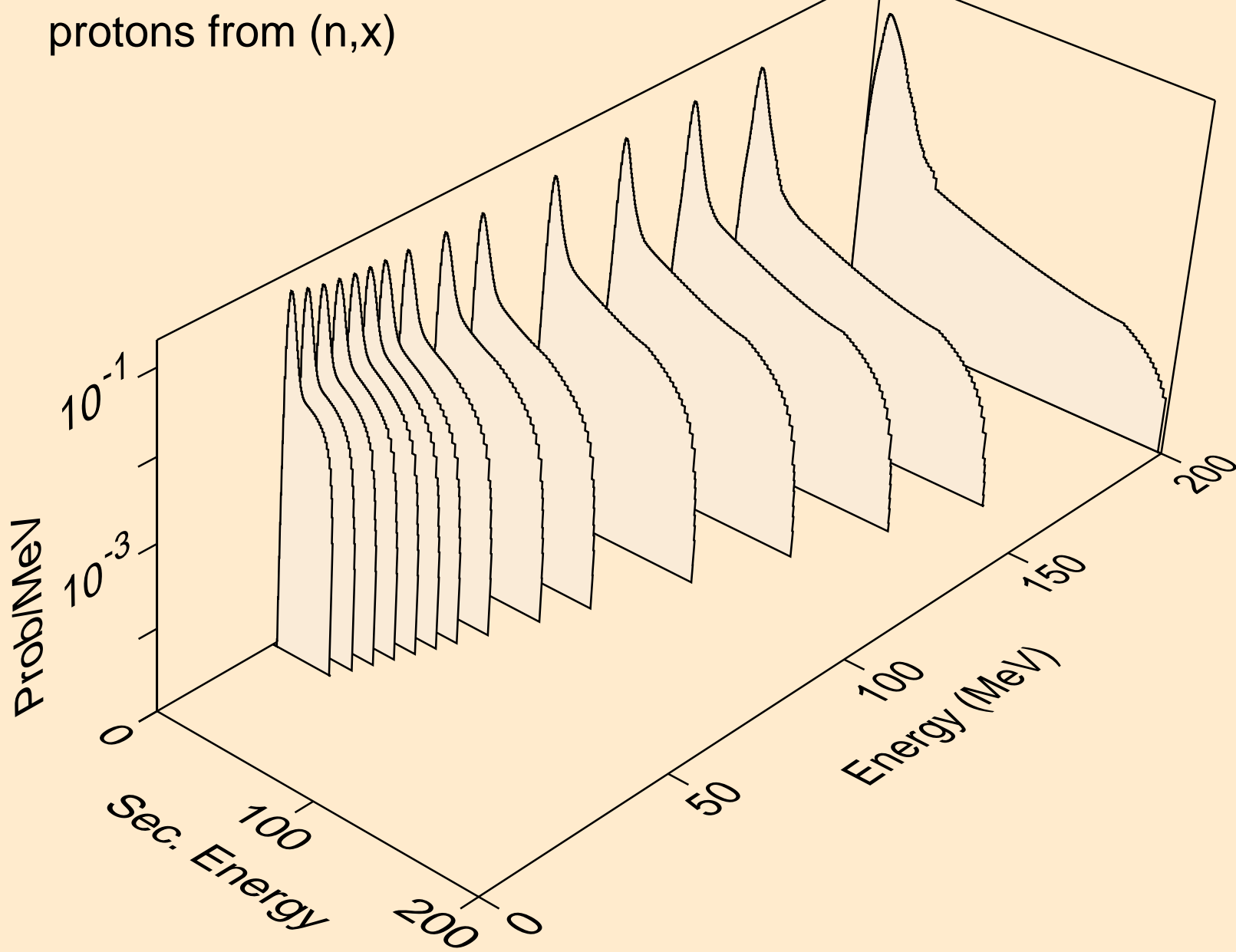


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

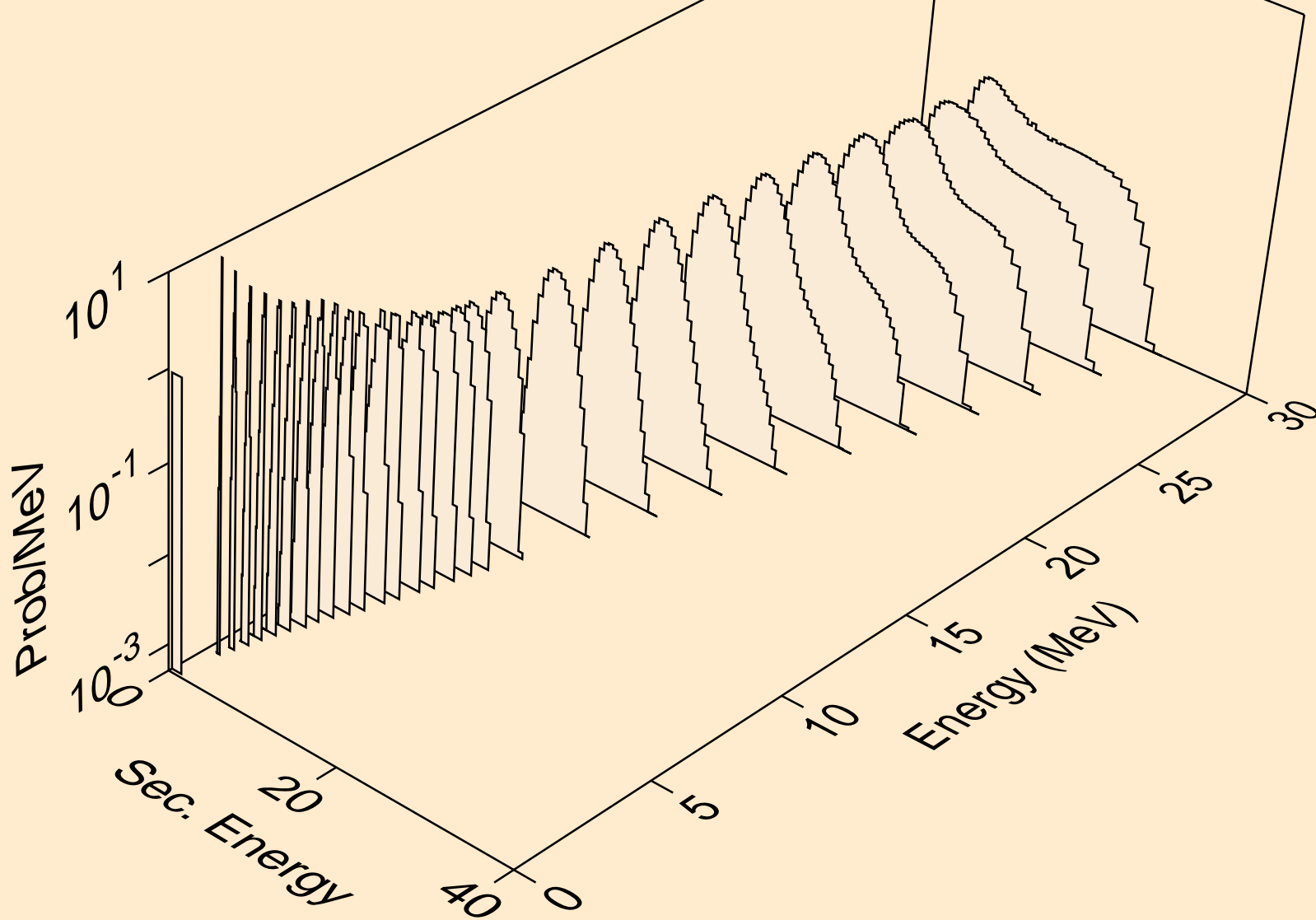




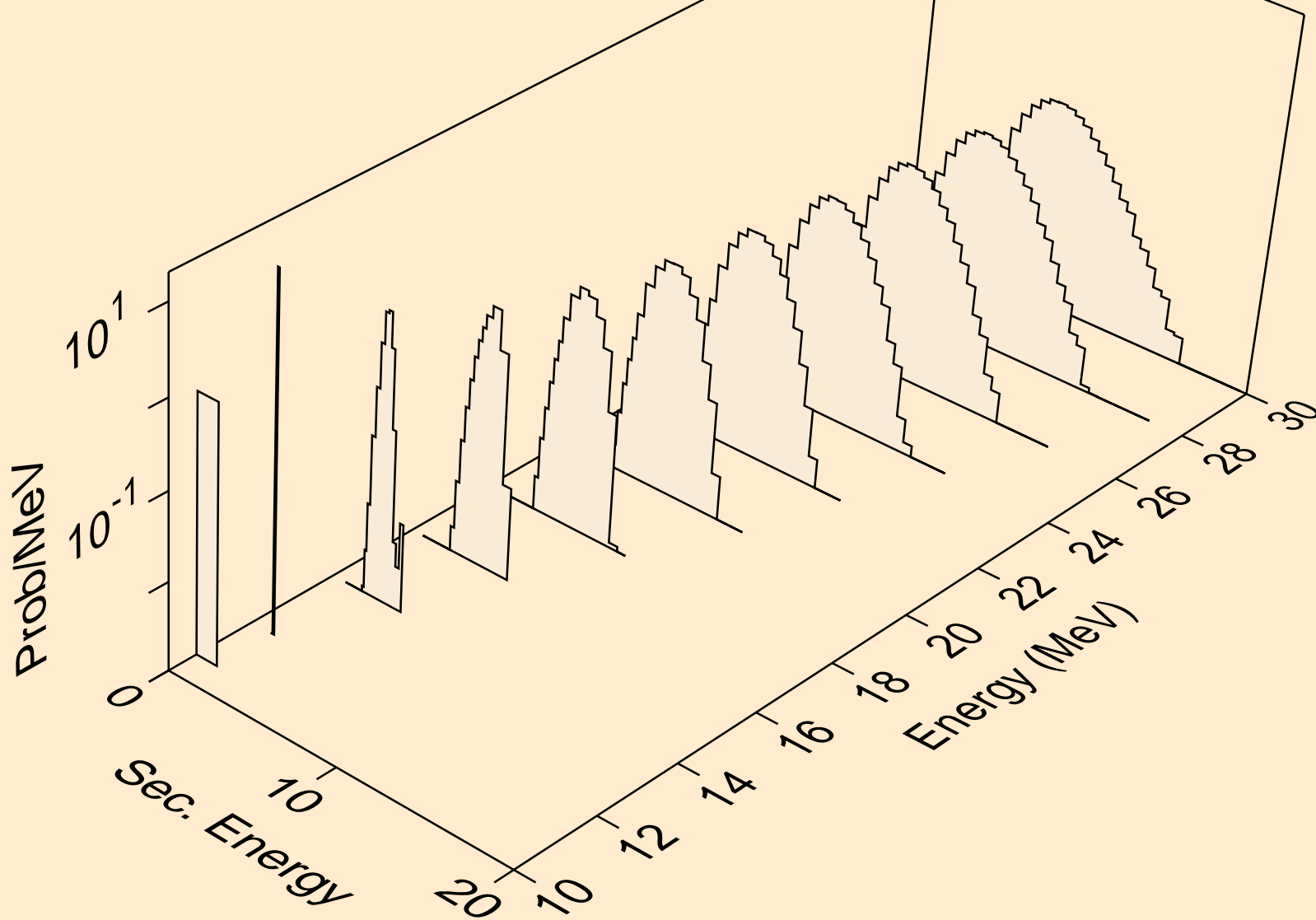
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



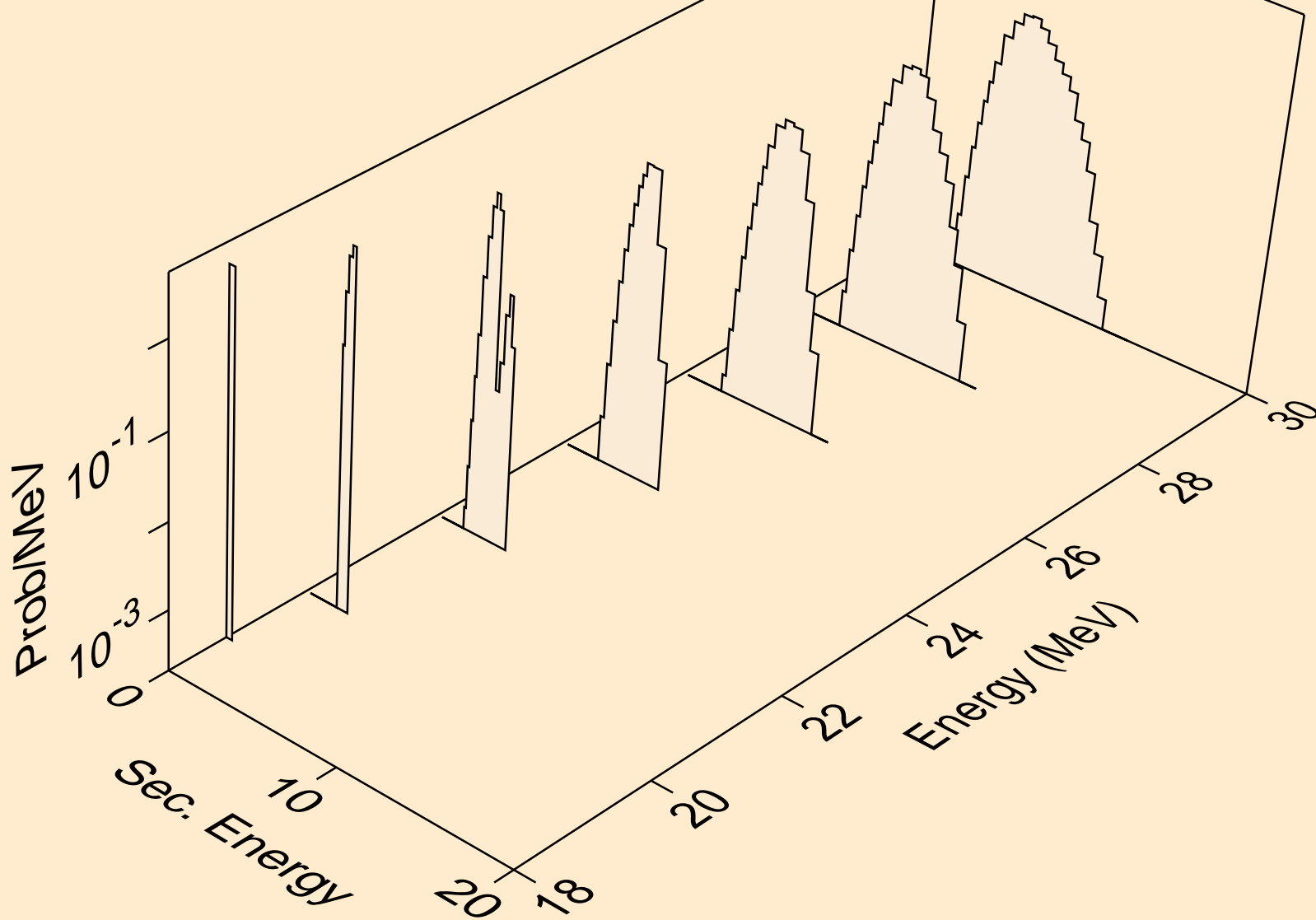
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



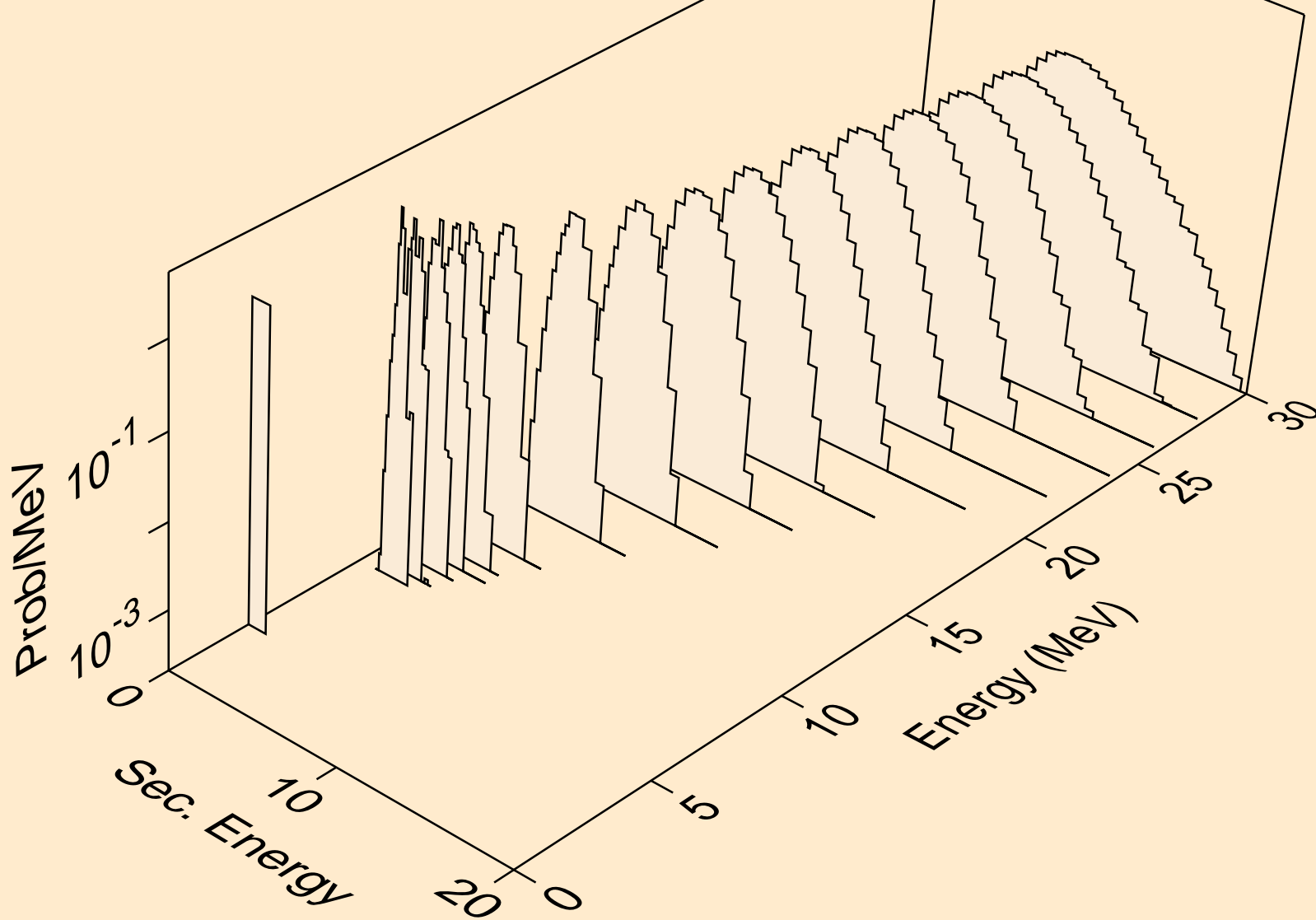
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protons from (n,2np)



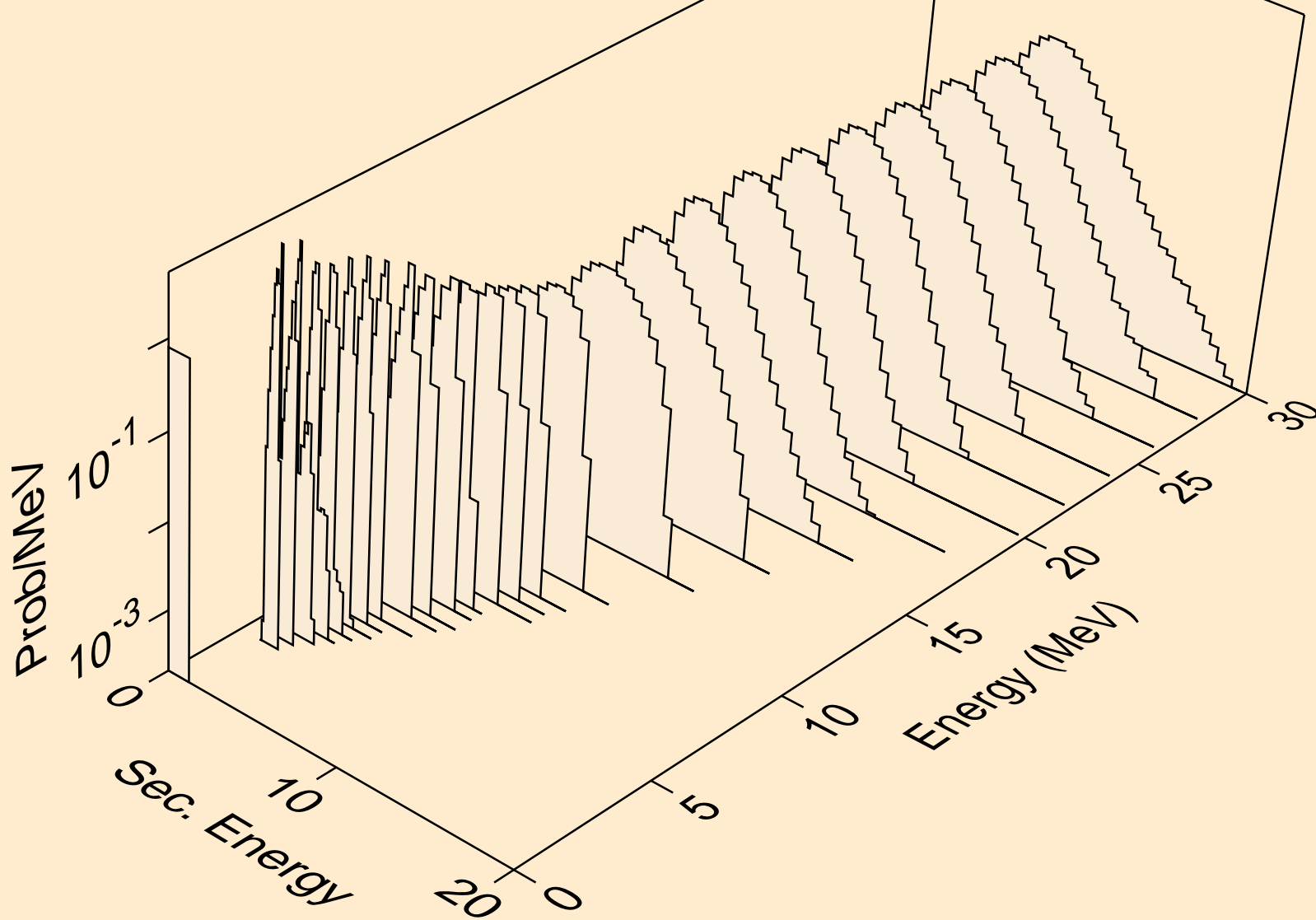
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protons from (n,3np)



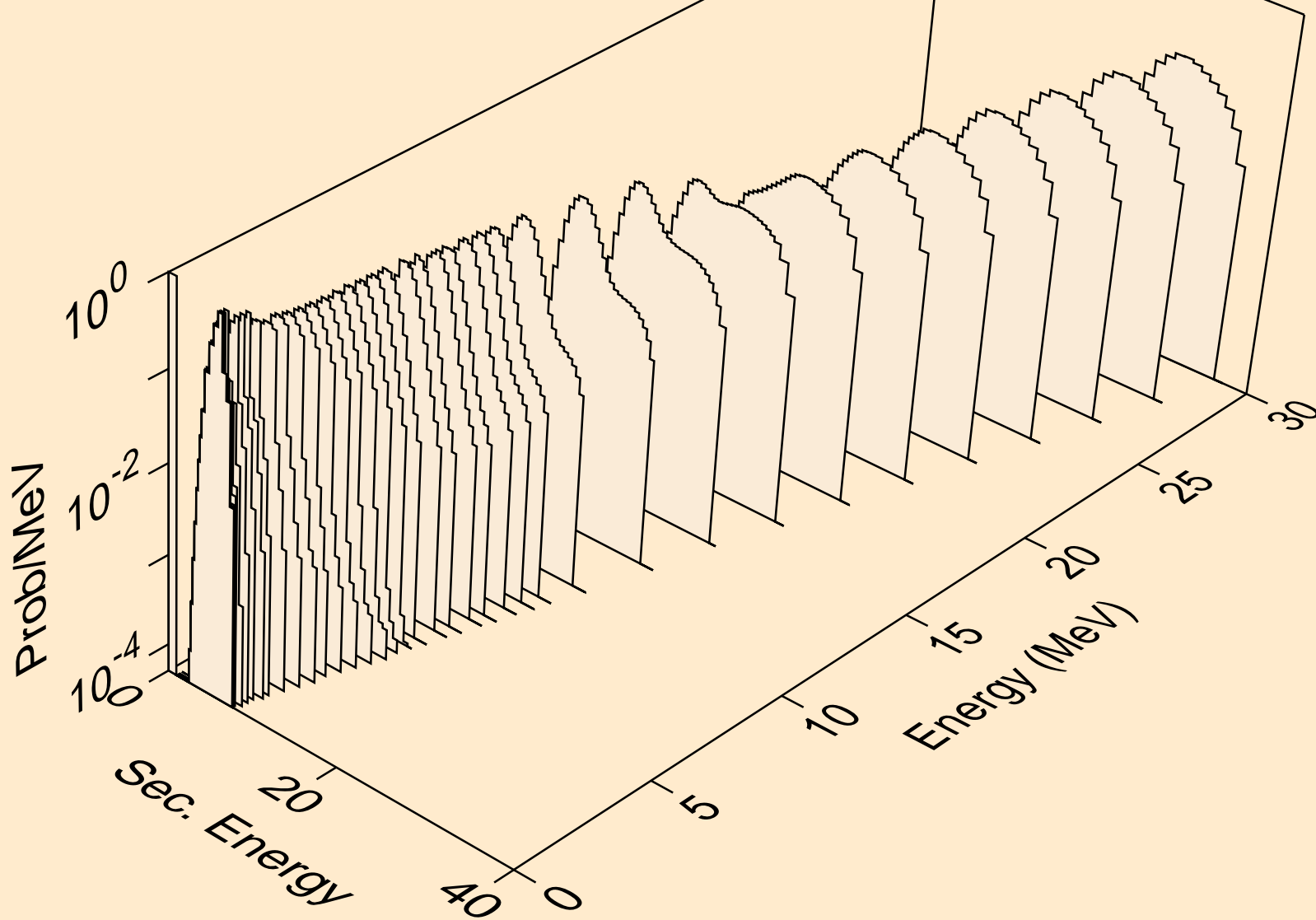
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protons from (n,2np)



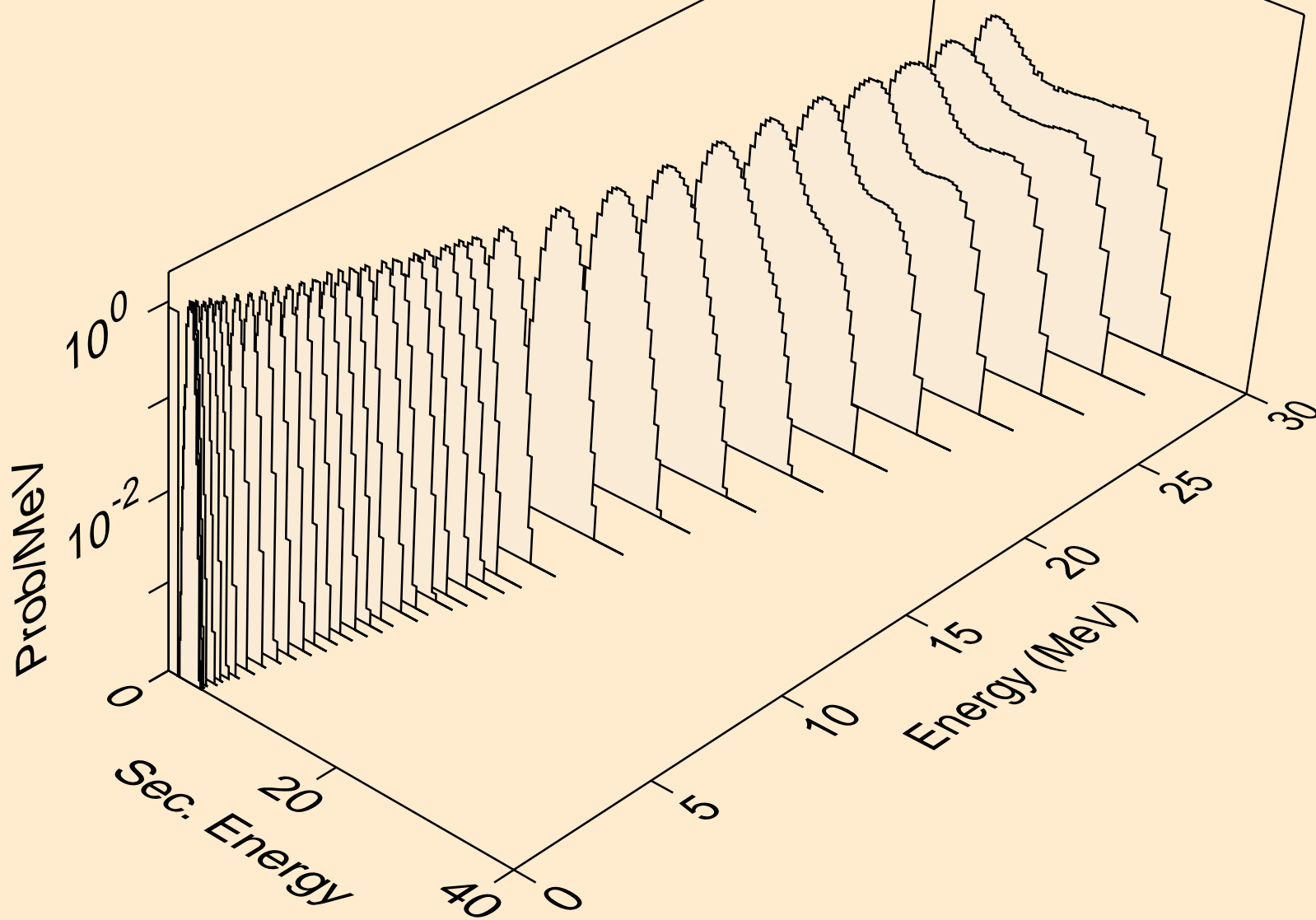
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protons from (n,npa)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

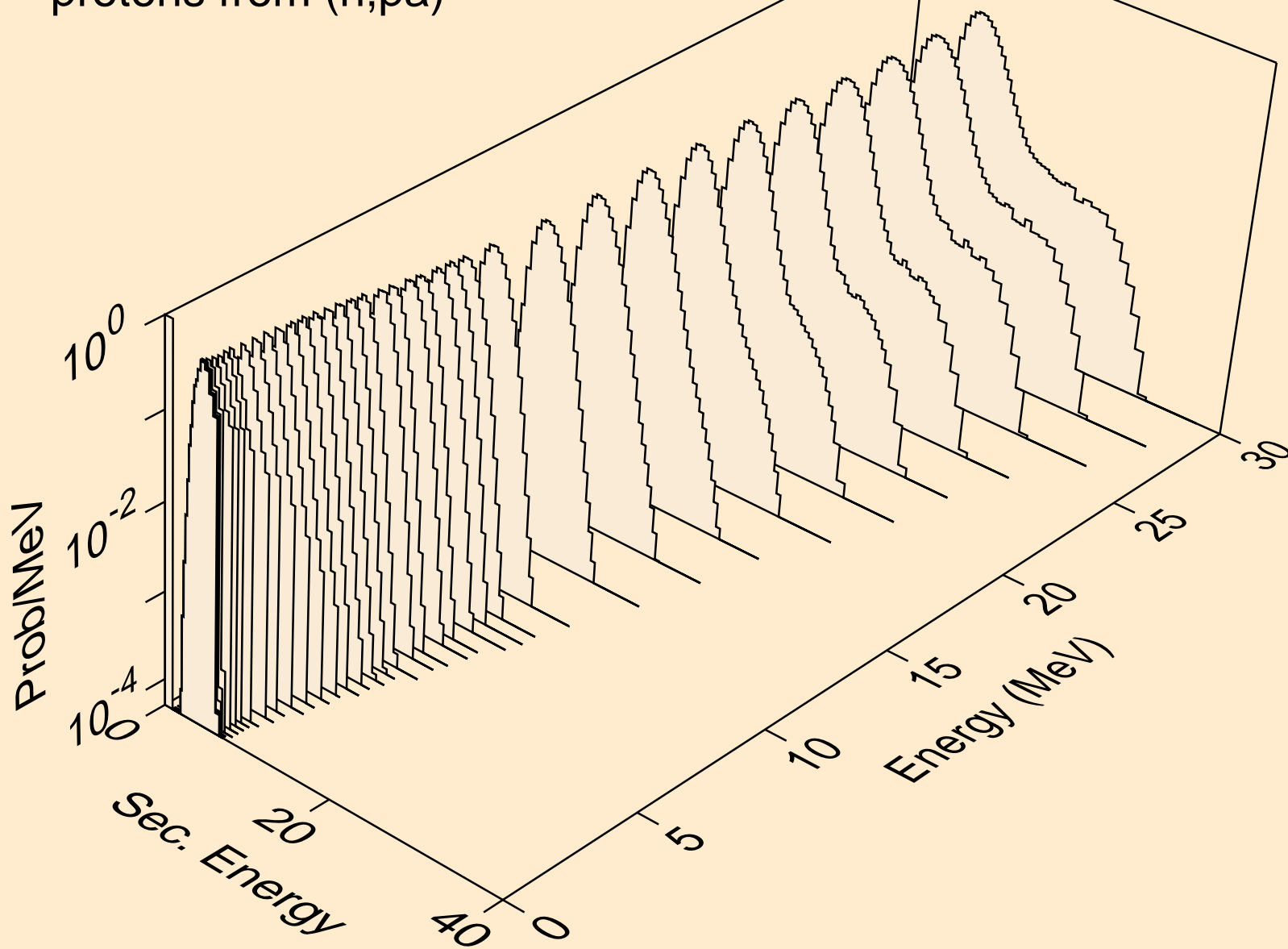


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protons from (n,2p)

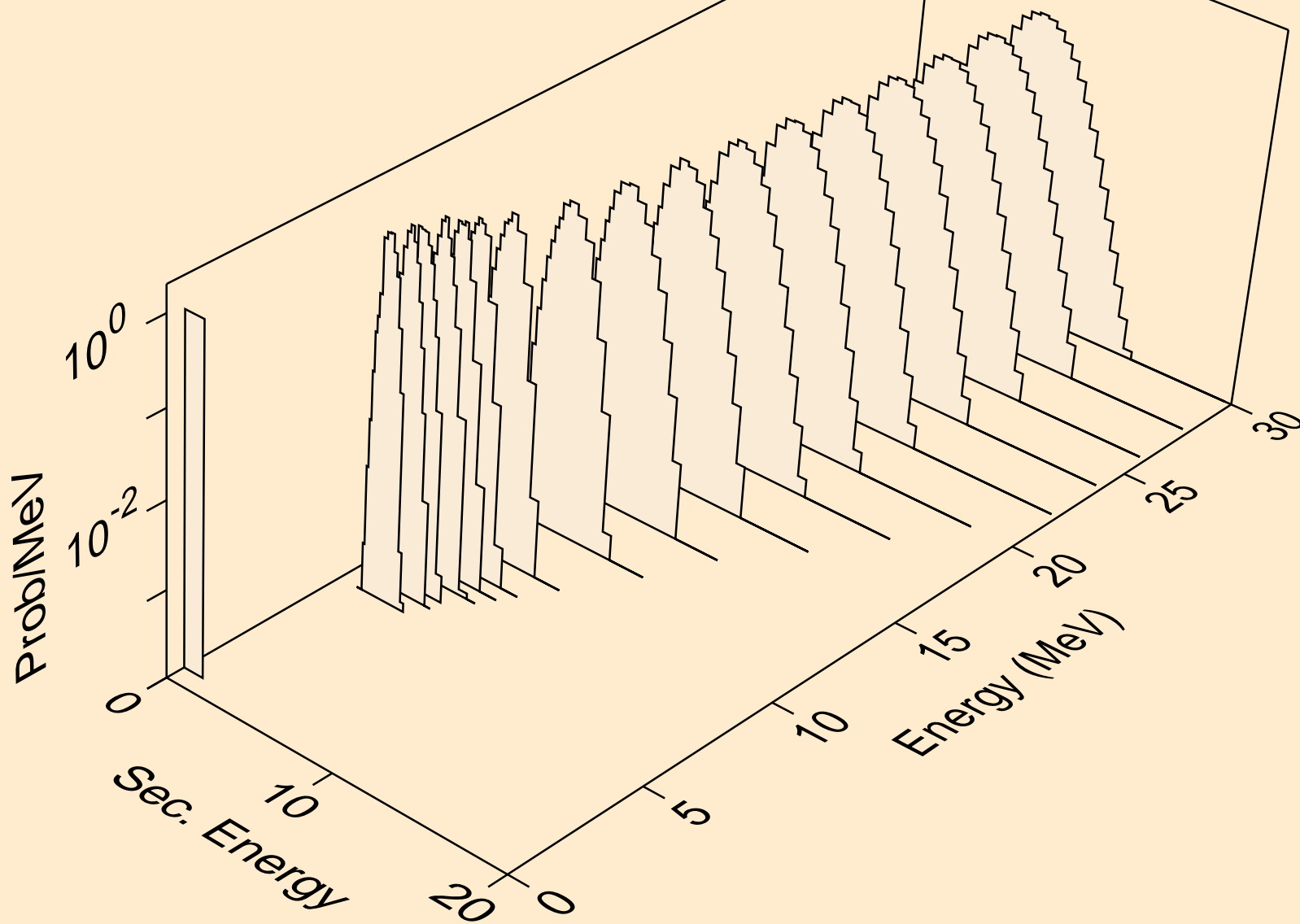




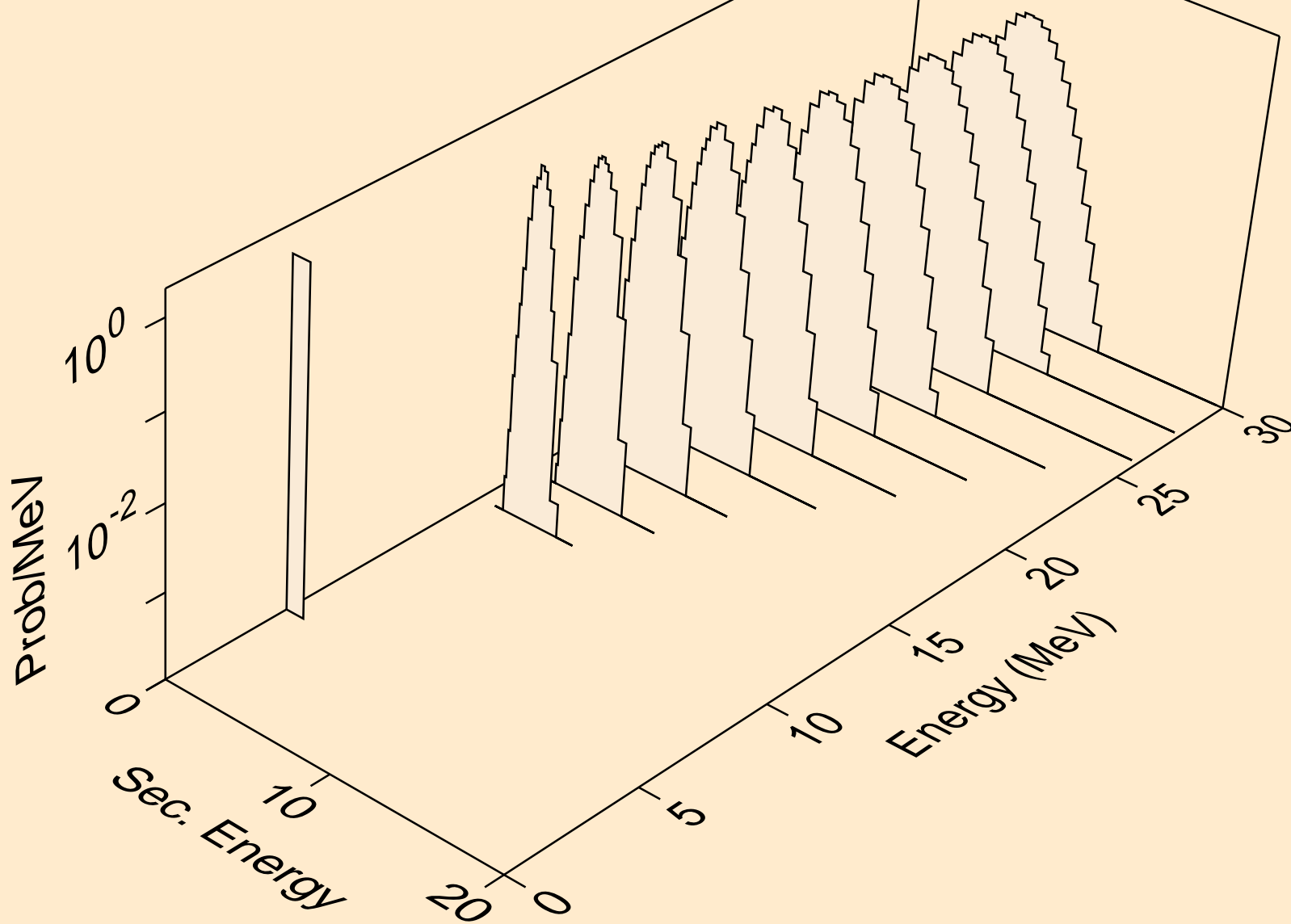
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protons from (n,p)



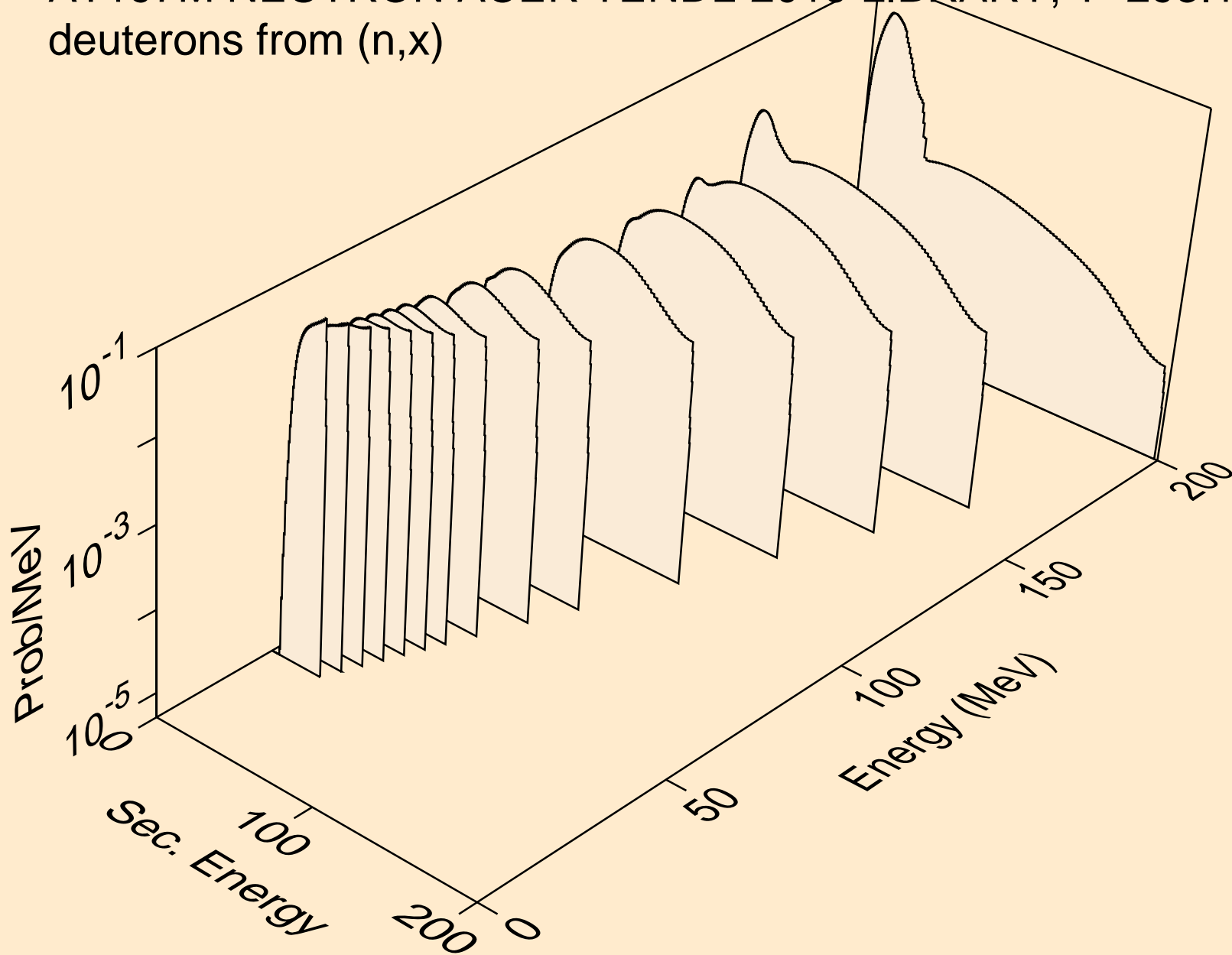
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protons from (n,pd)



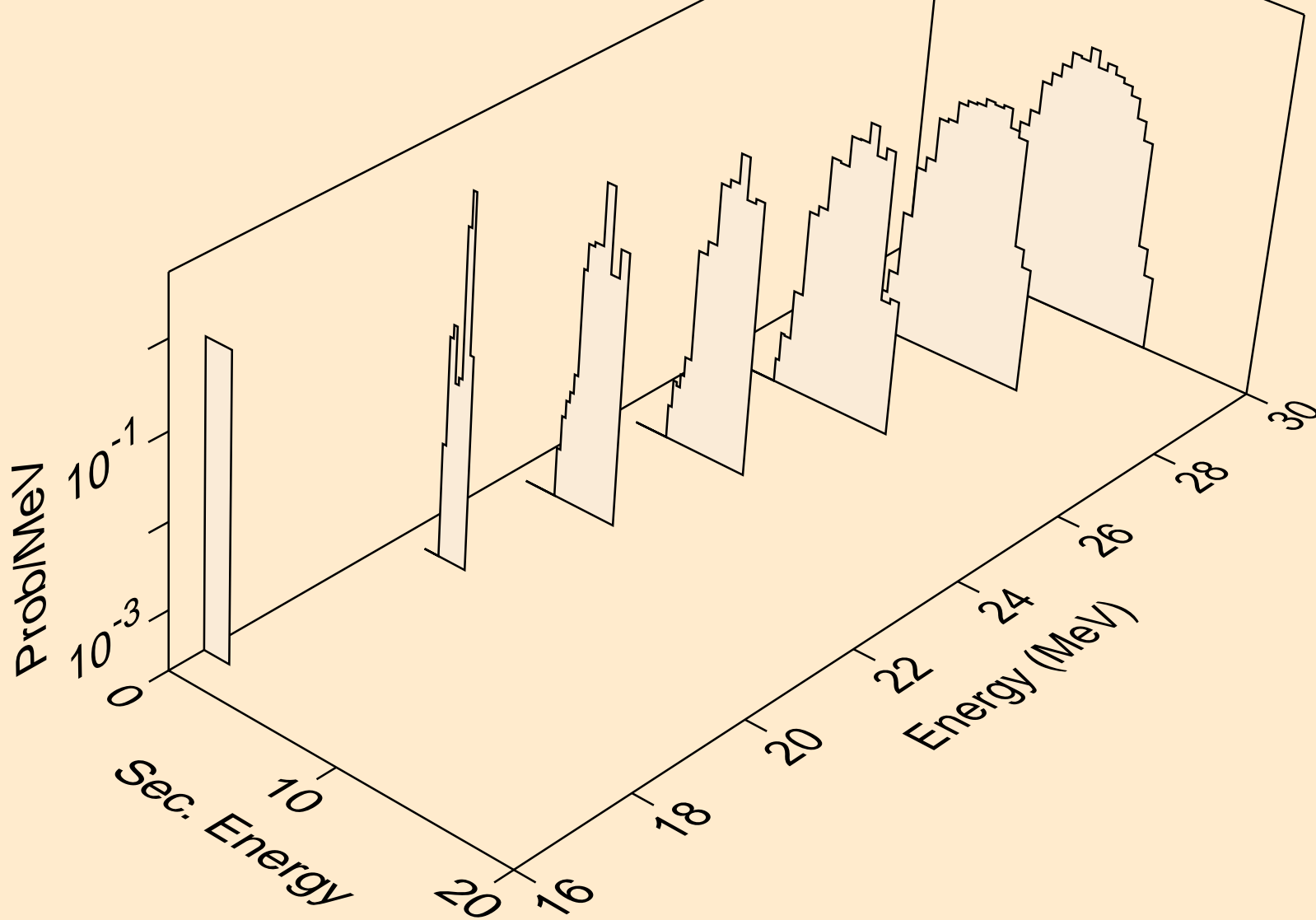
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protons from (n,pt)



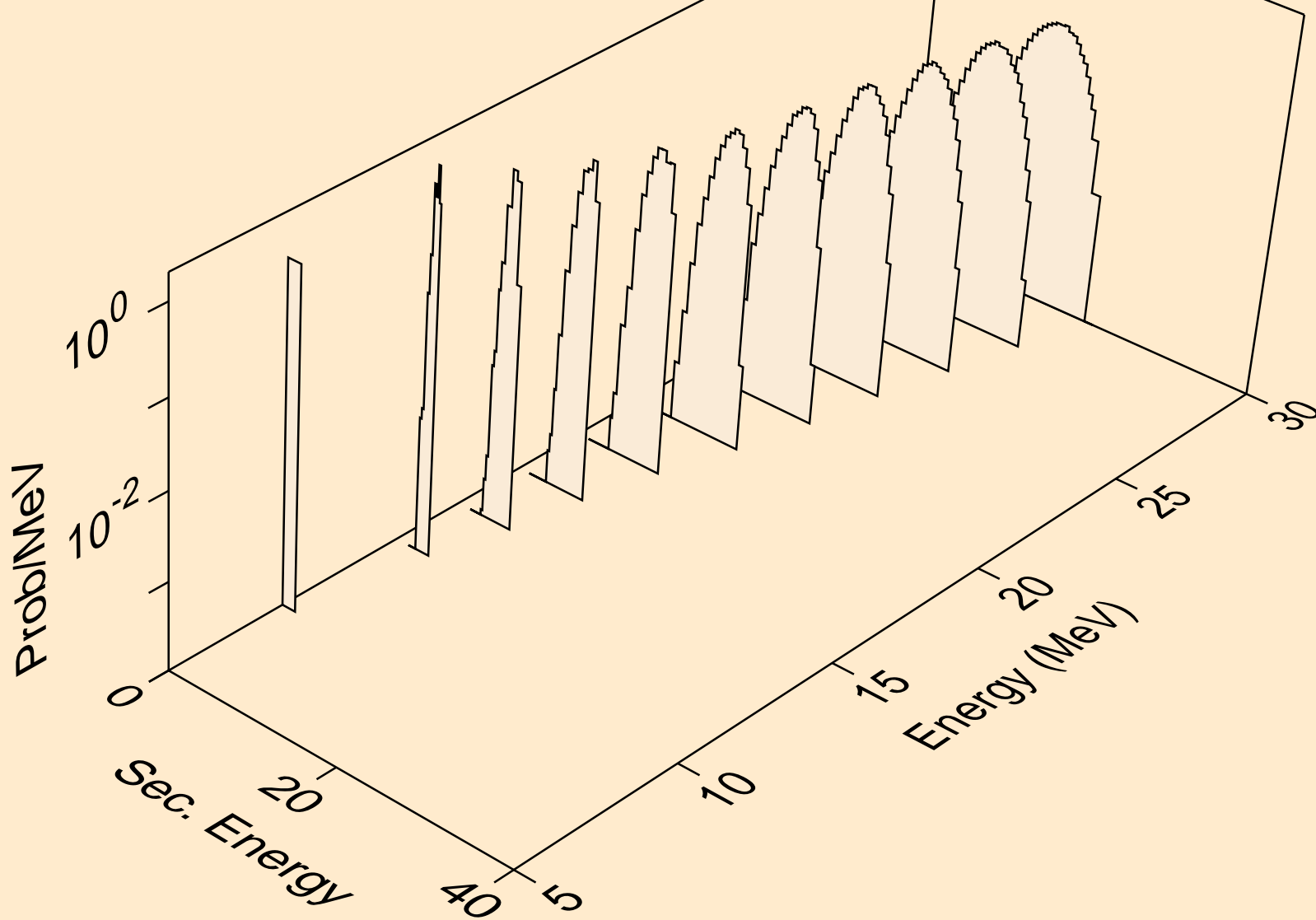
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deuterons from (n,x)



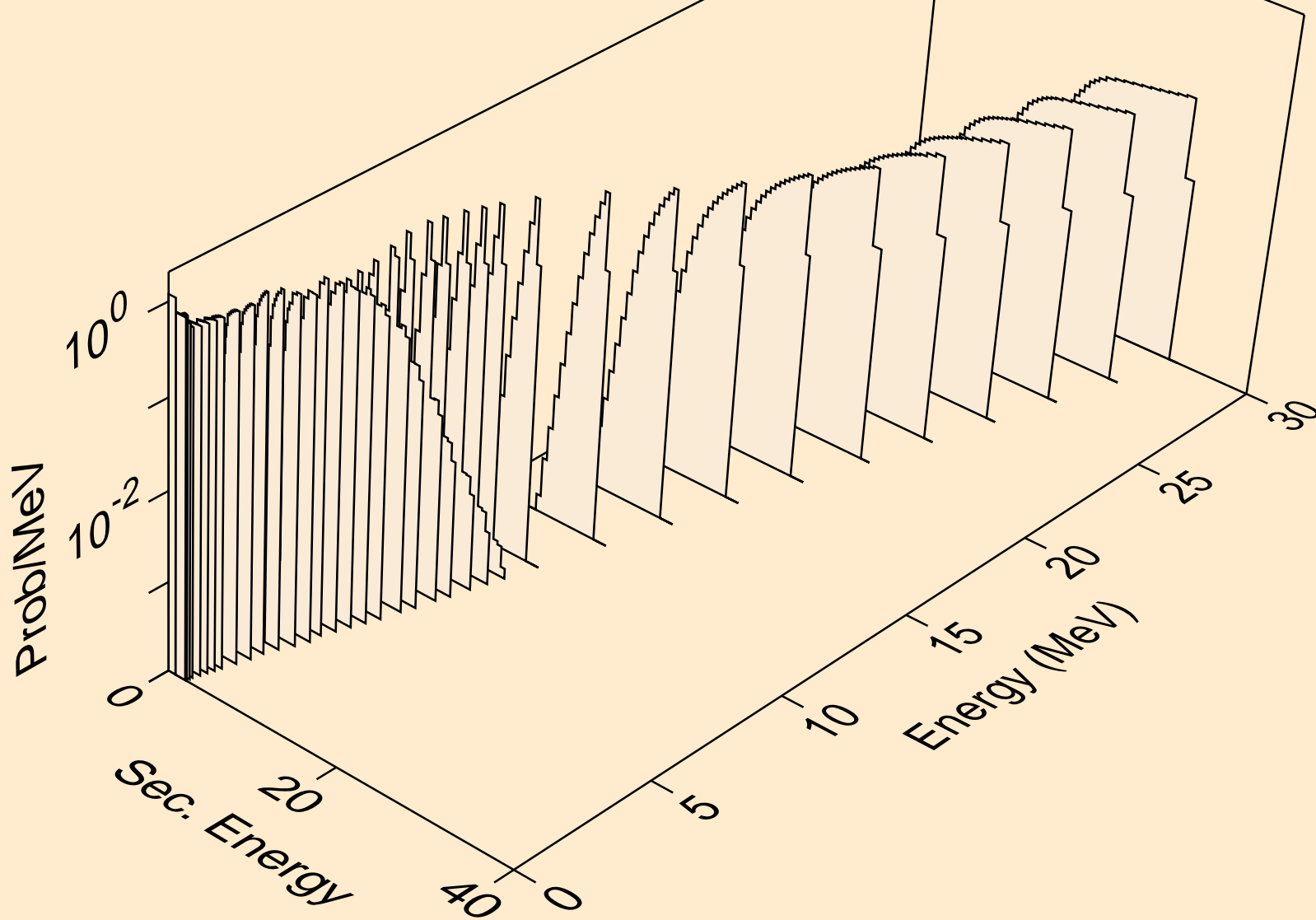
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deuterons from (n,2nd)



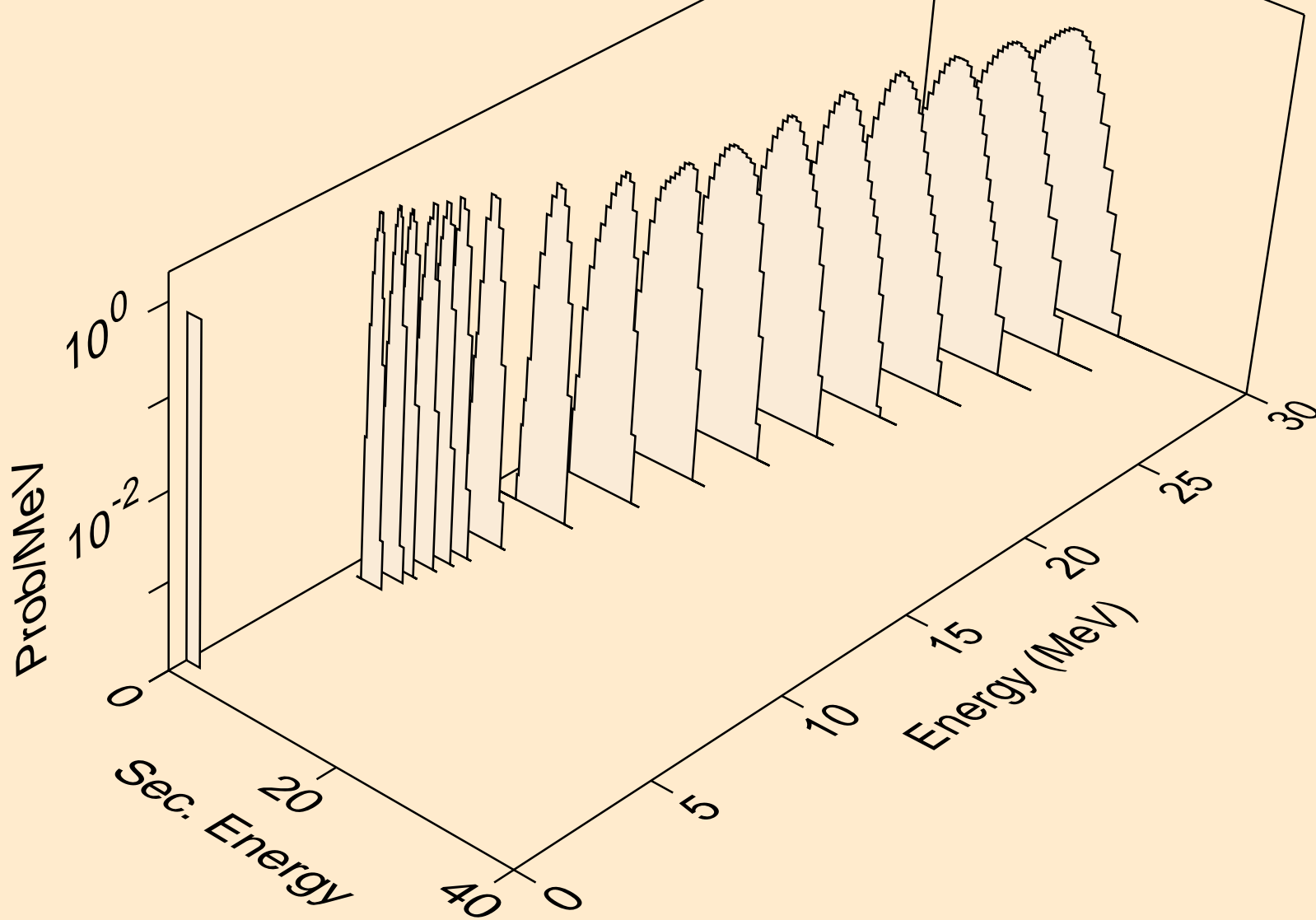
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deuterons from (n,n\*)d



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

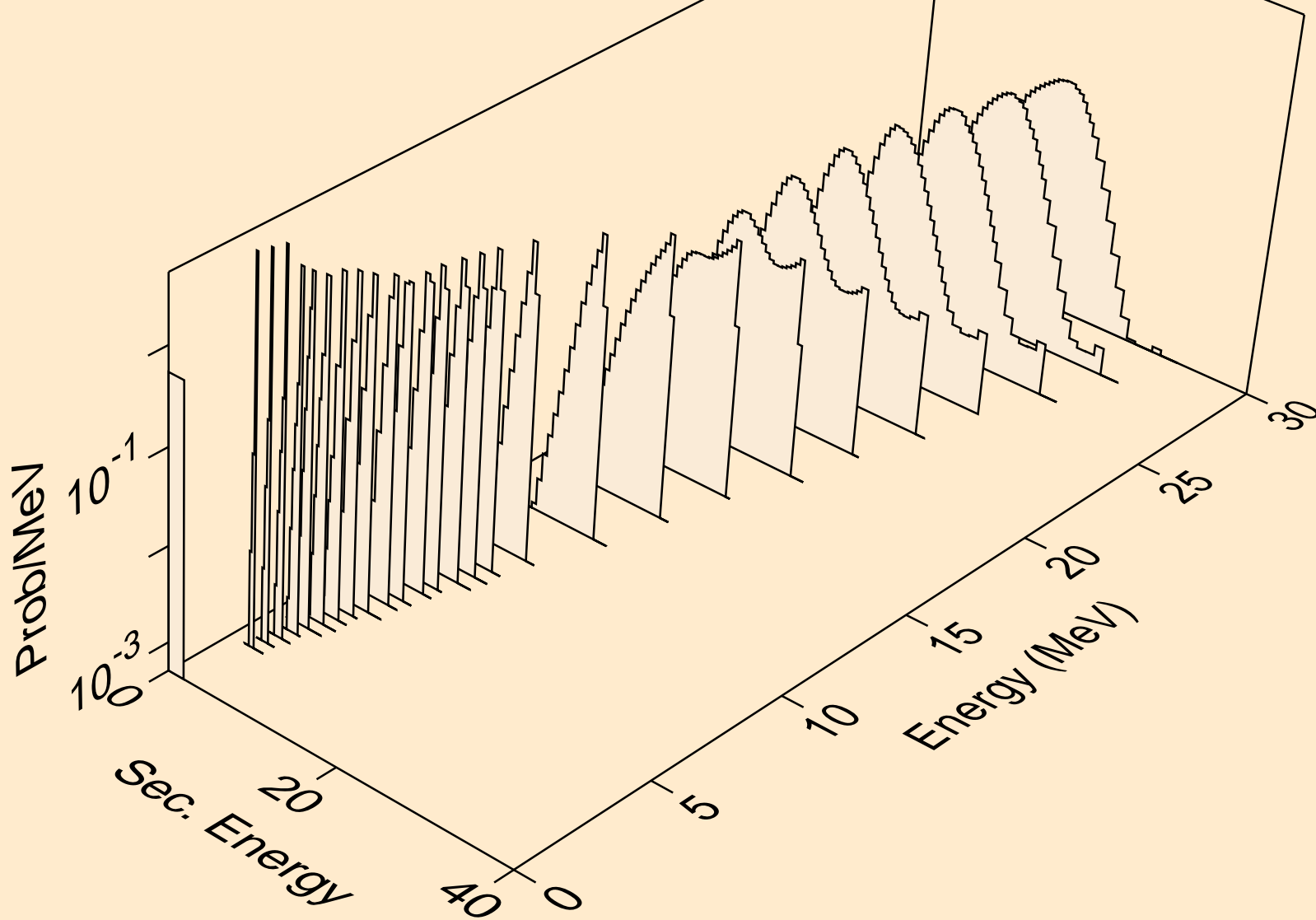


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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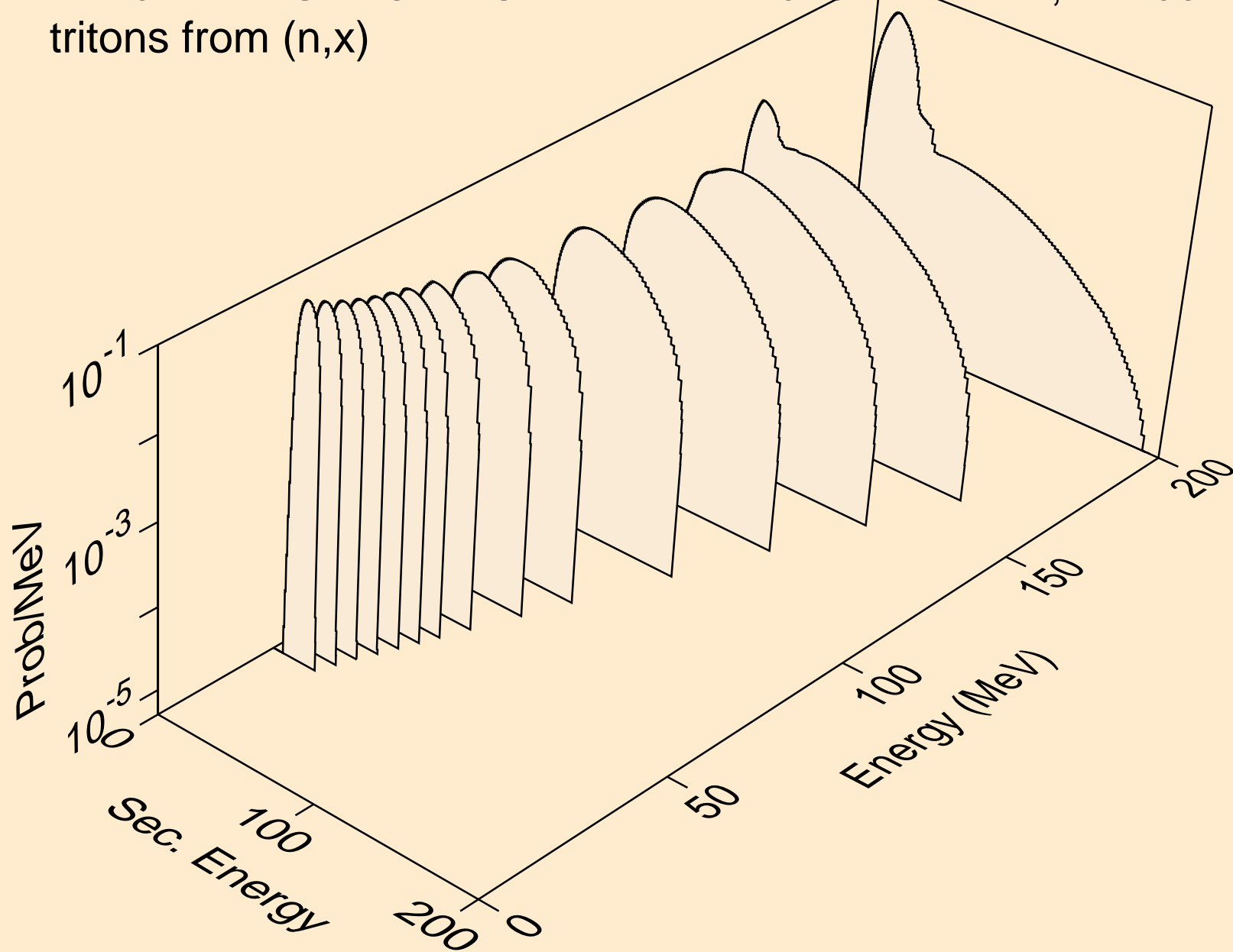




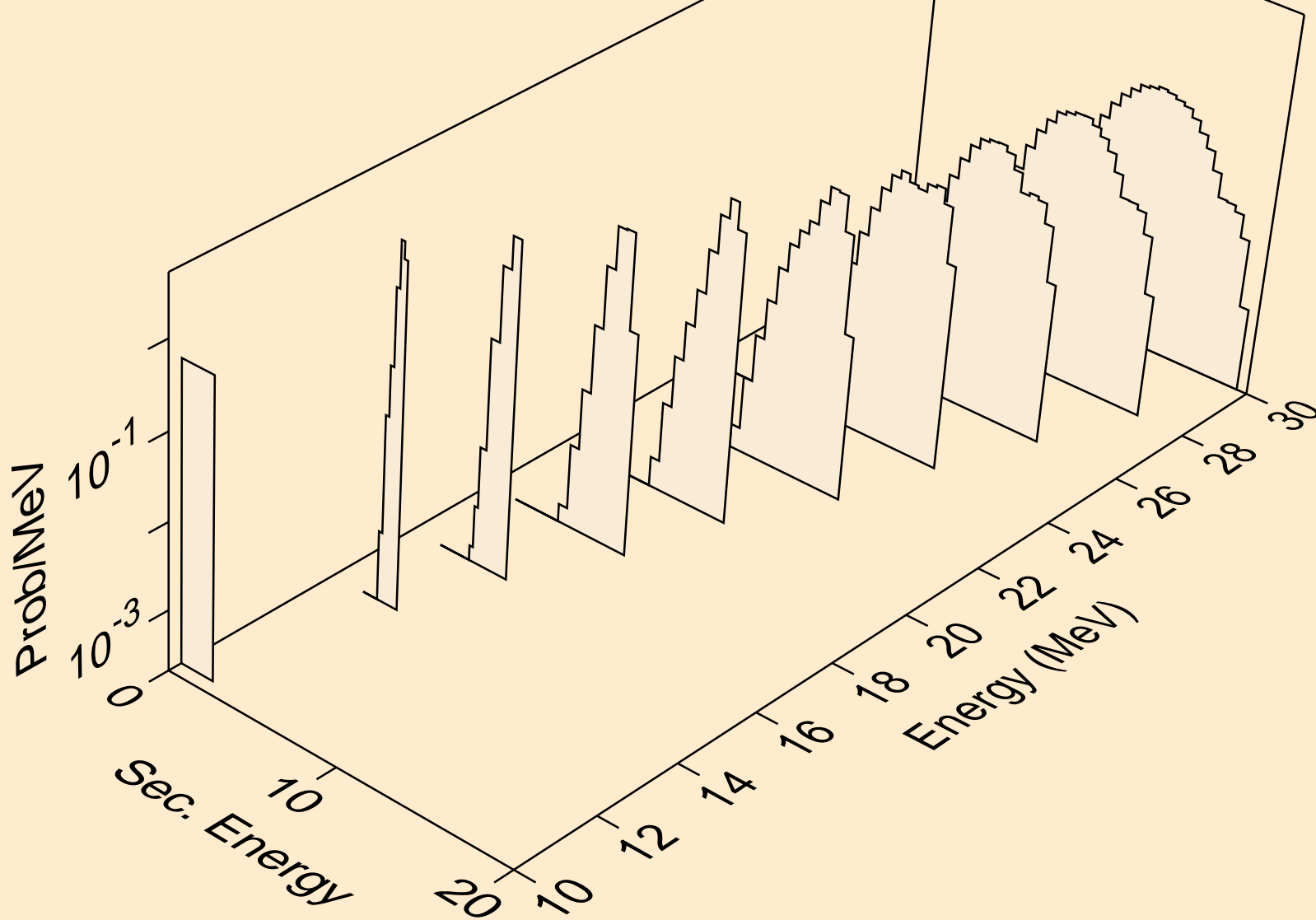
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deuterons from (n,da)



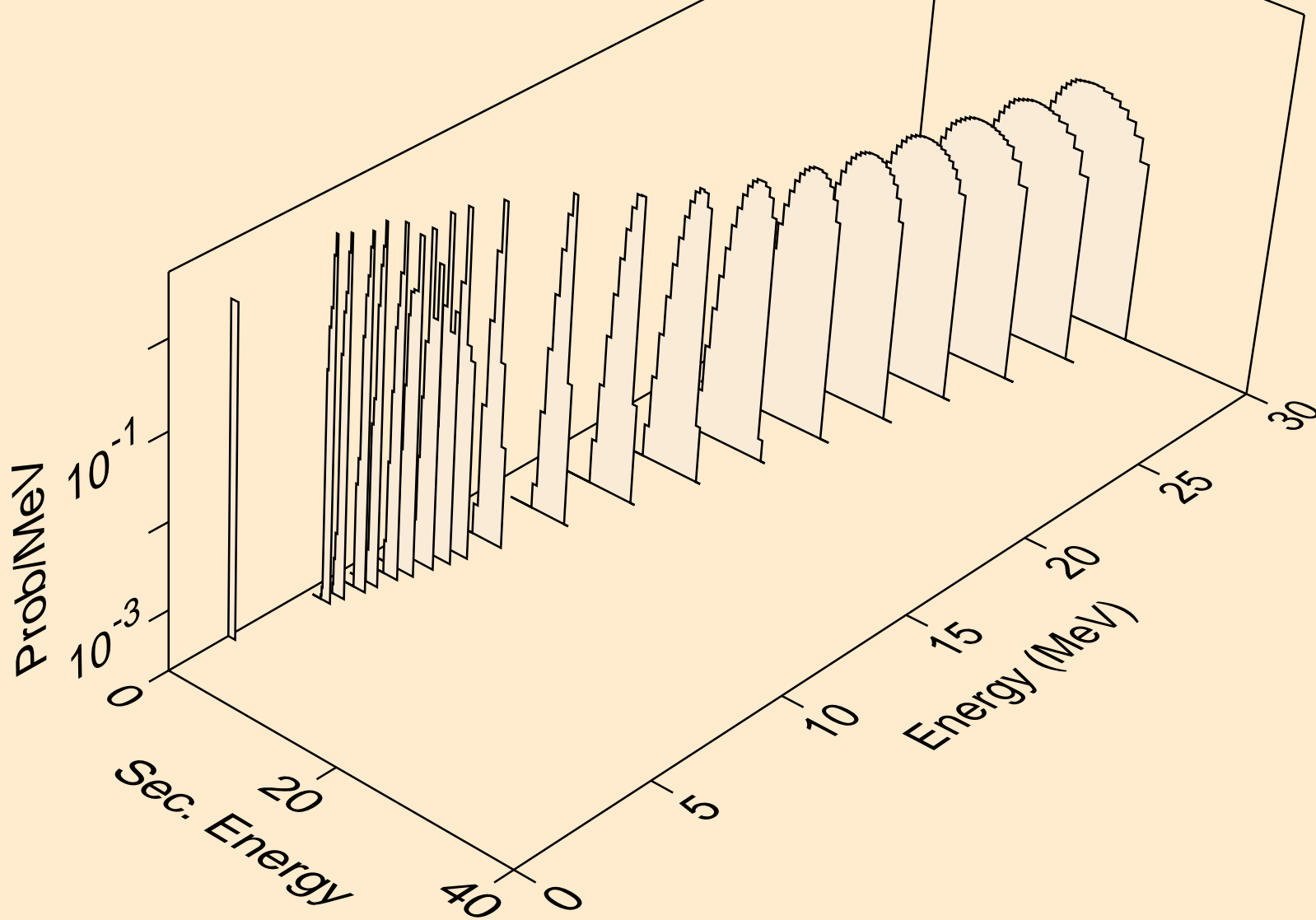
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tritons from (n,x)



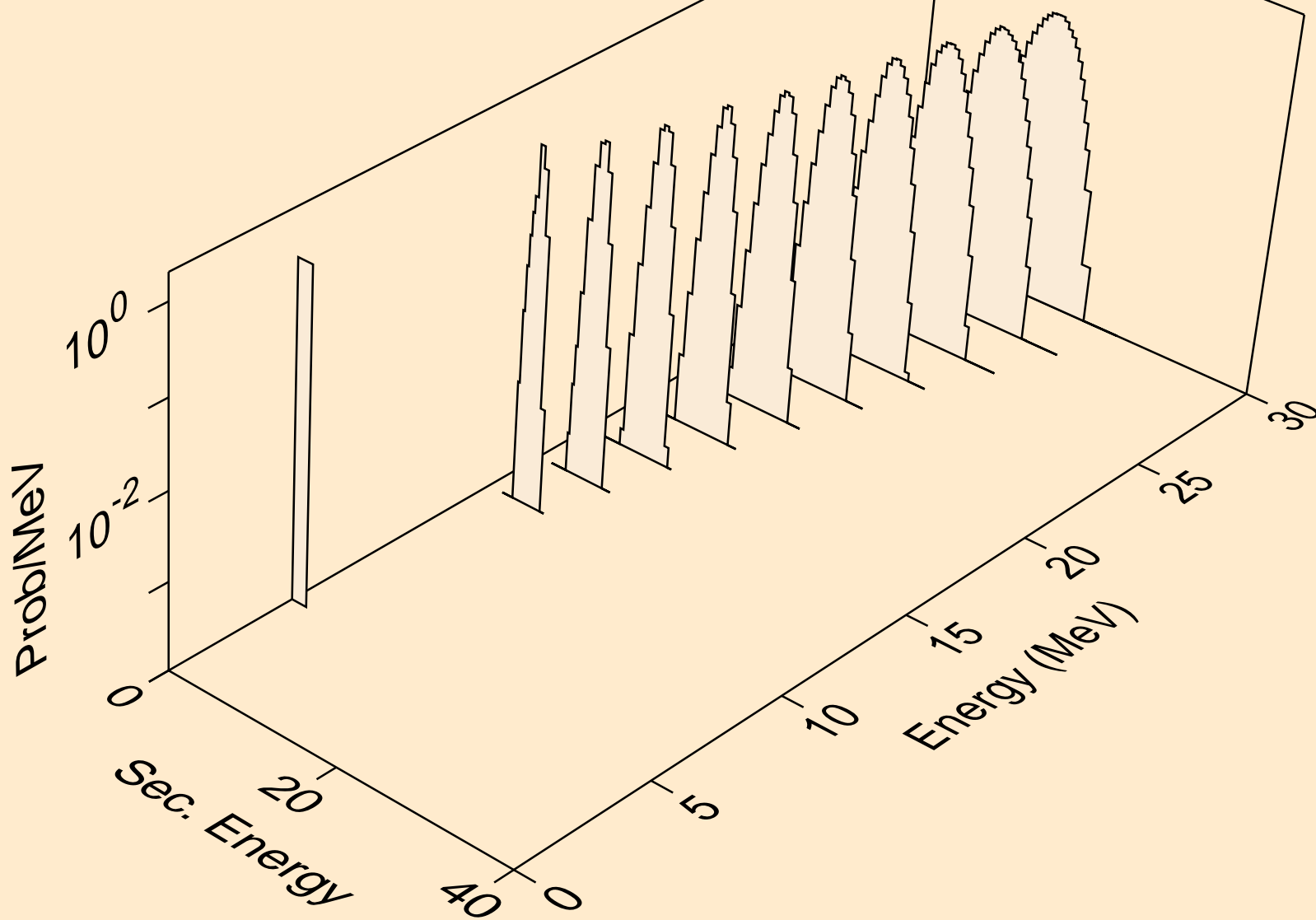
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tritons from (n,n\*)t



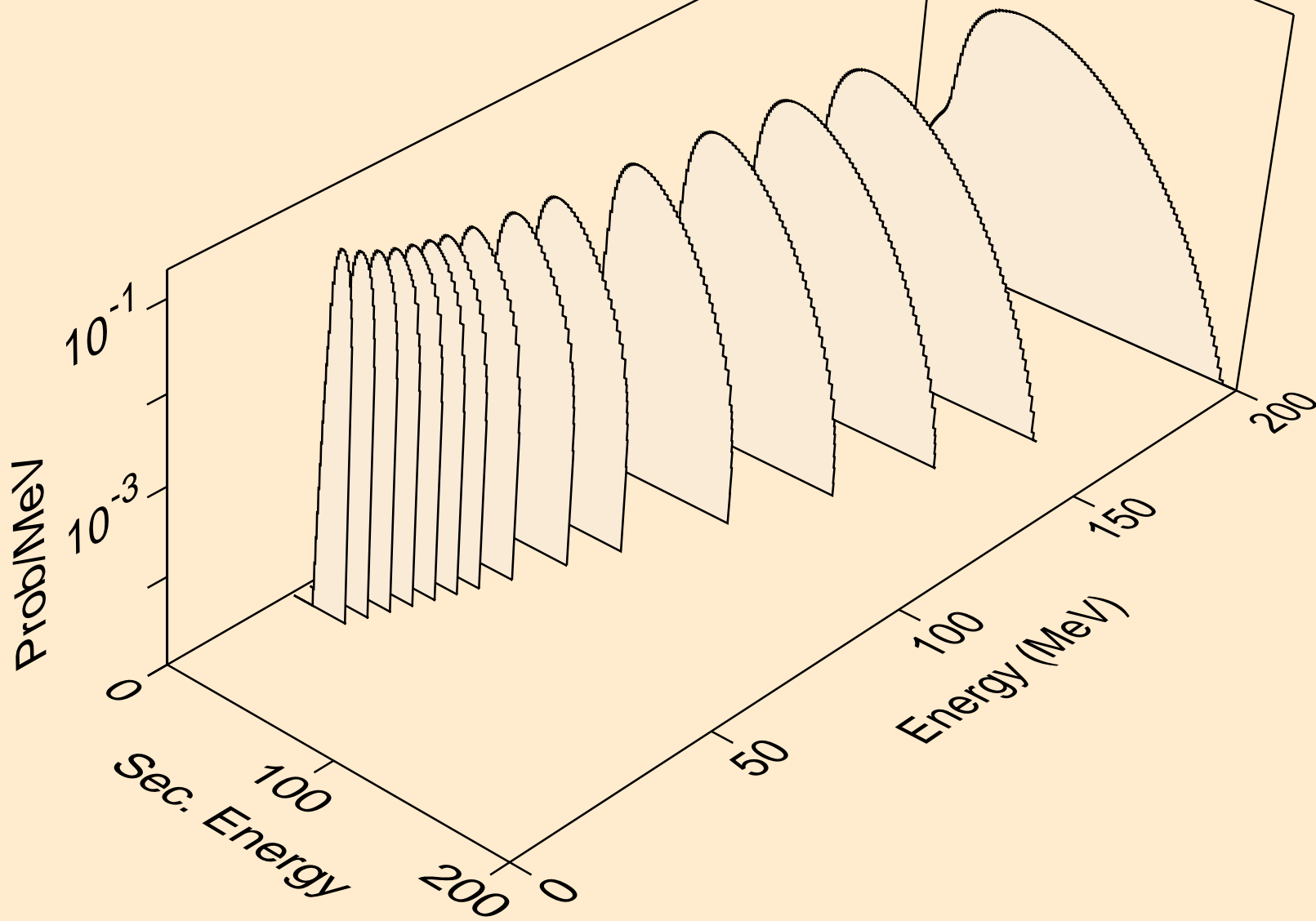
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



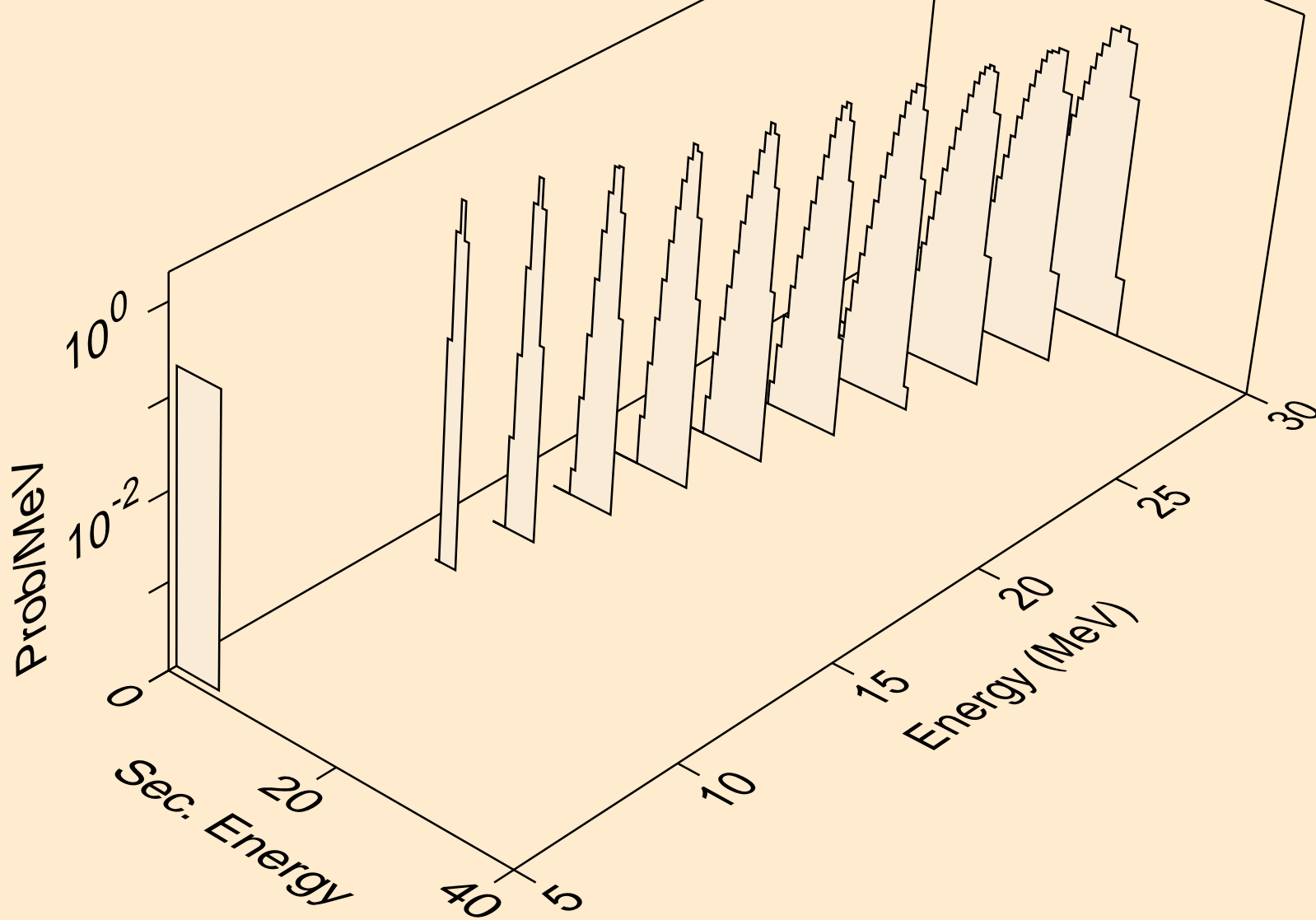
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tritons from (n,pt)



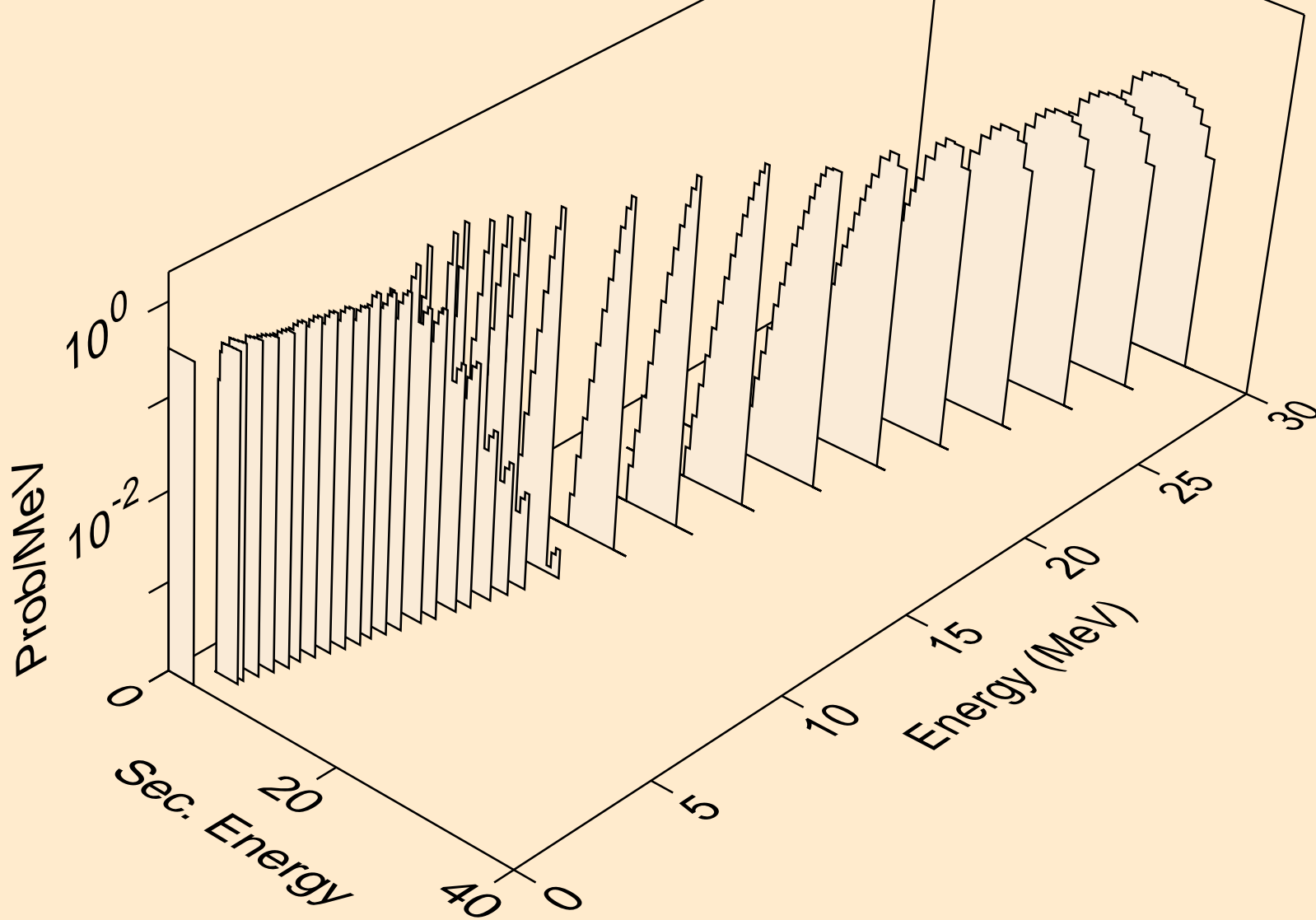
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

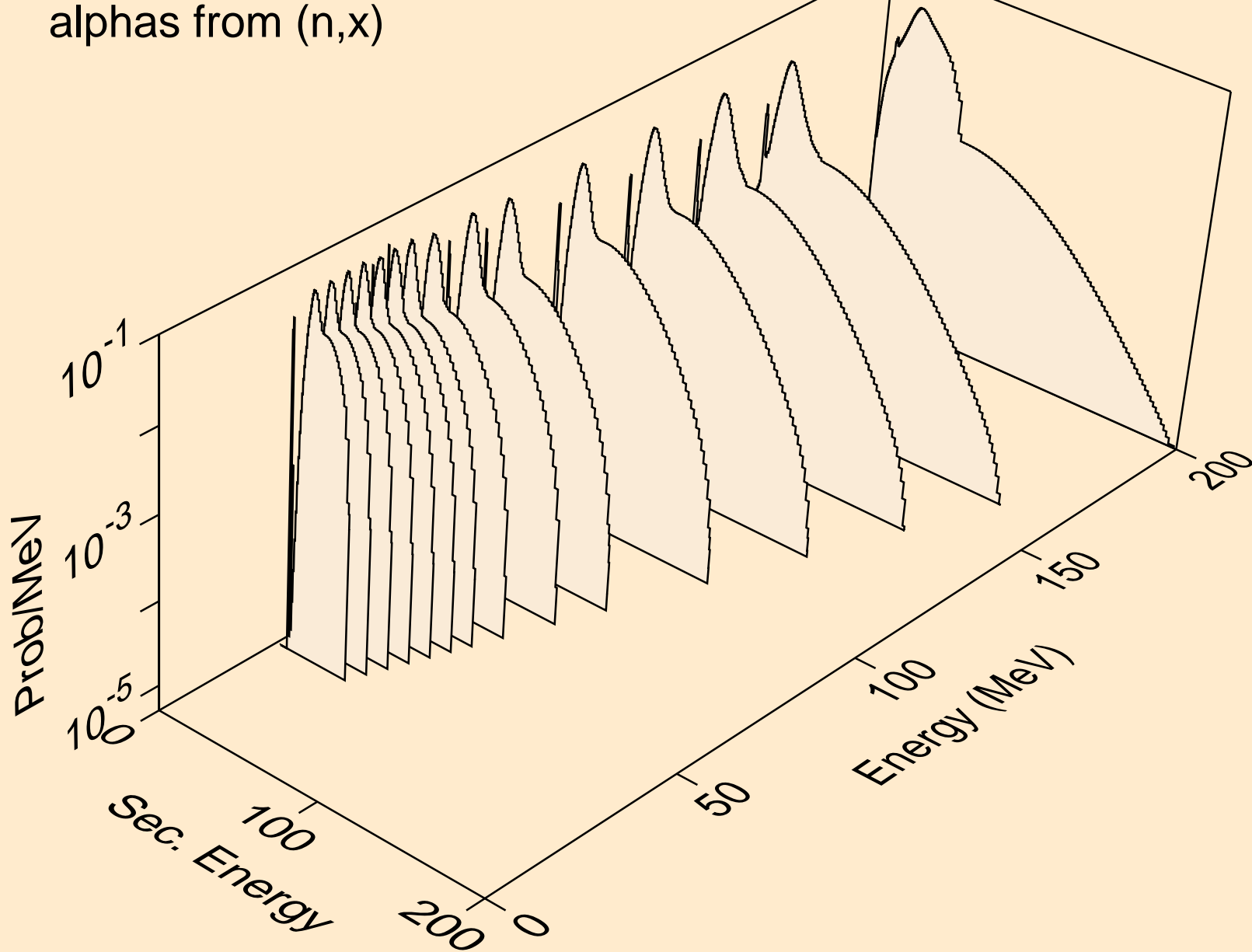


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

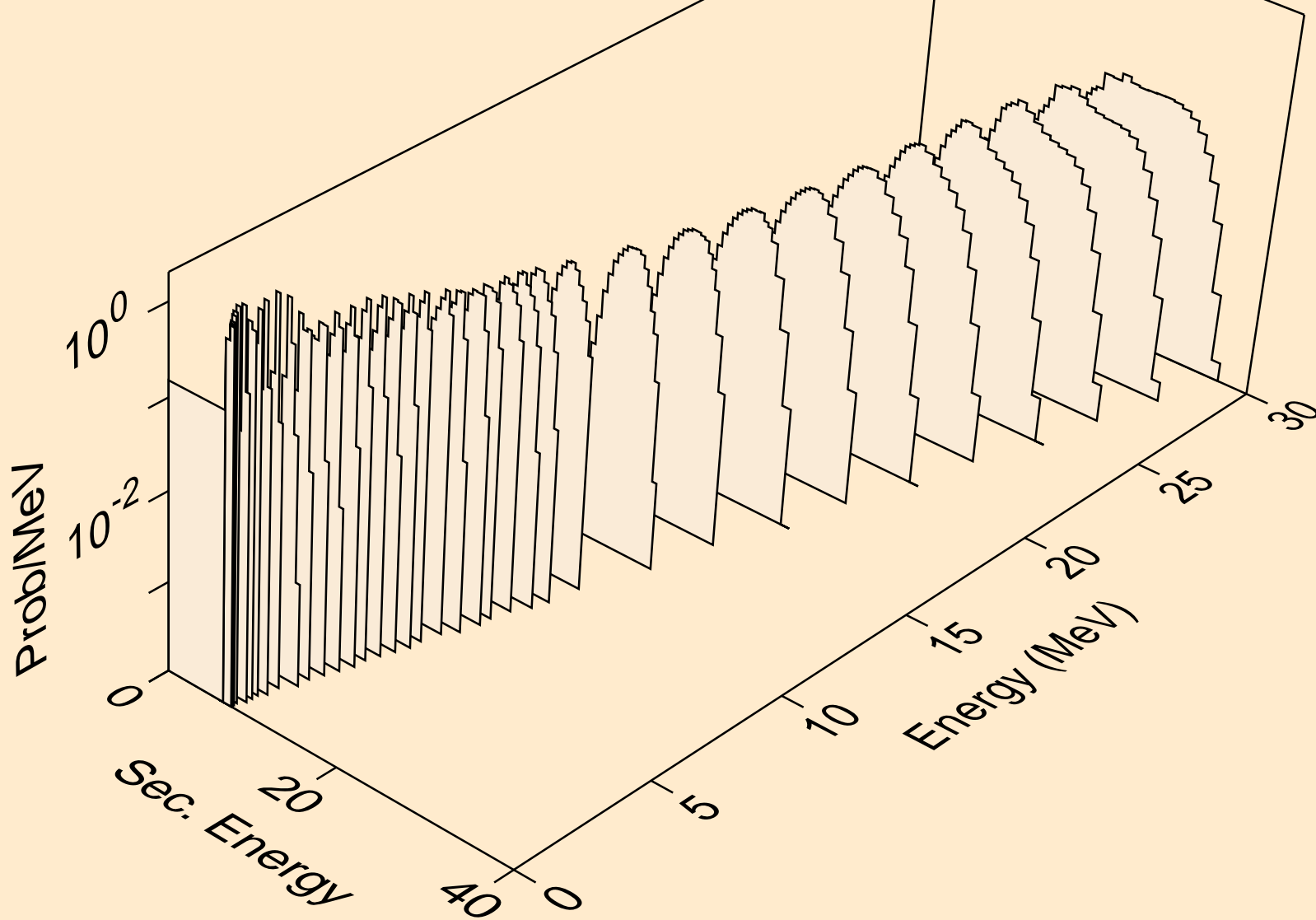




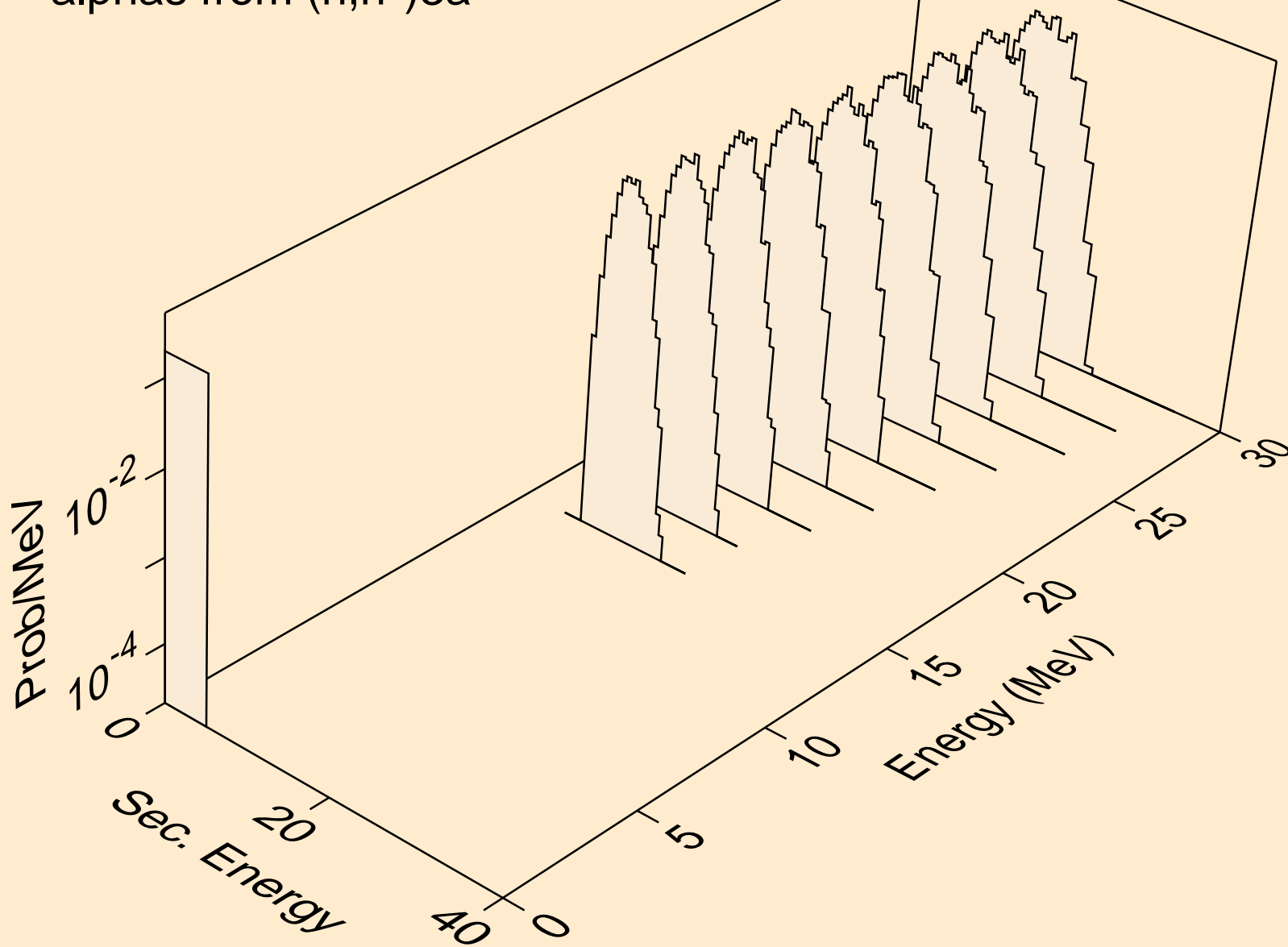
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



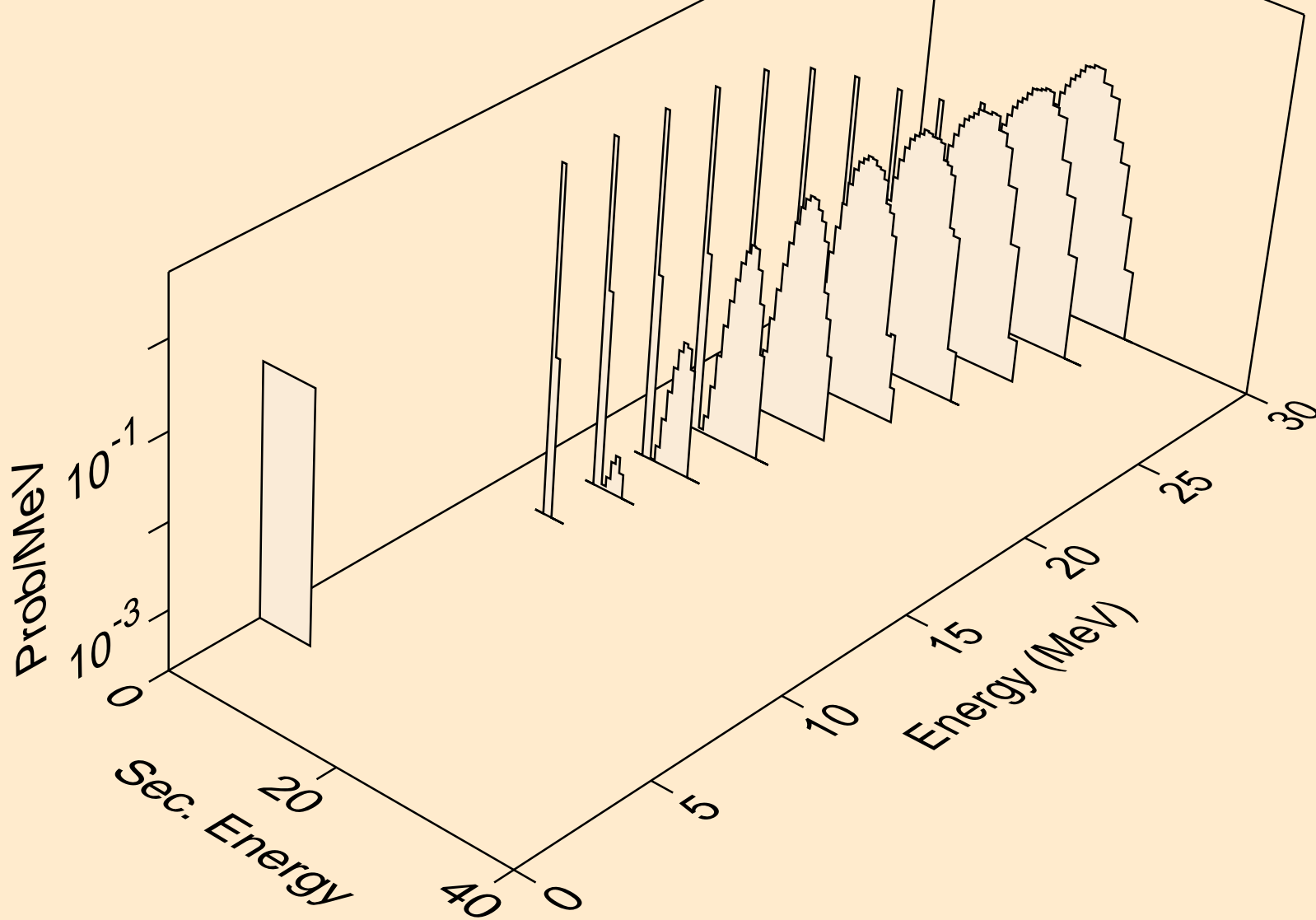
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



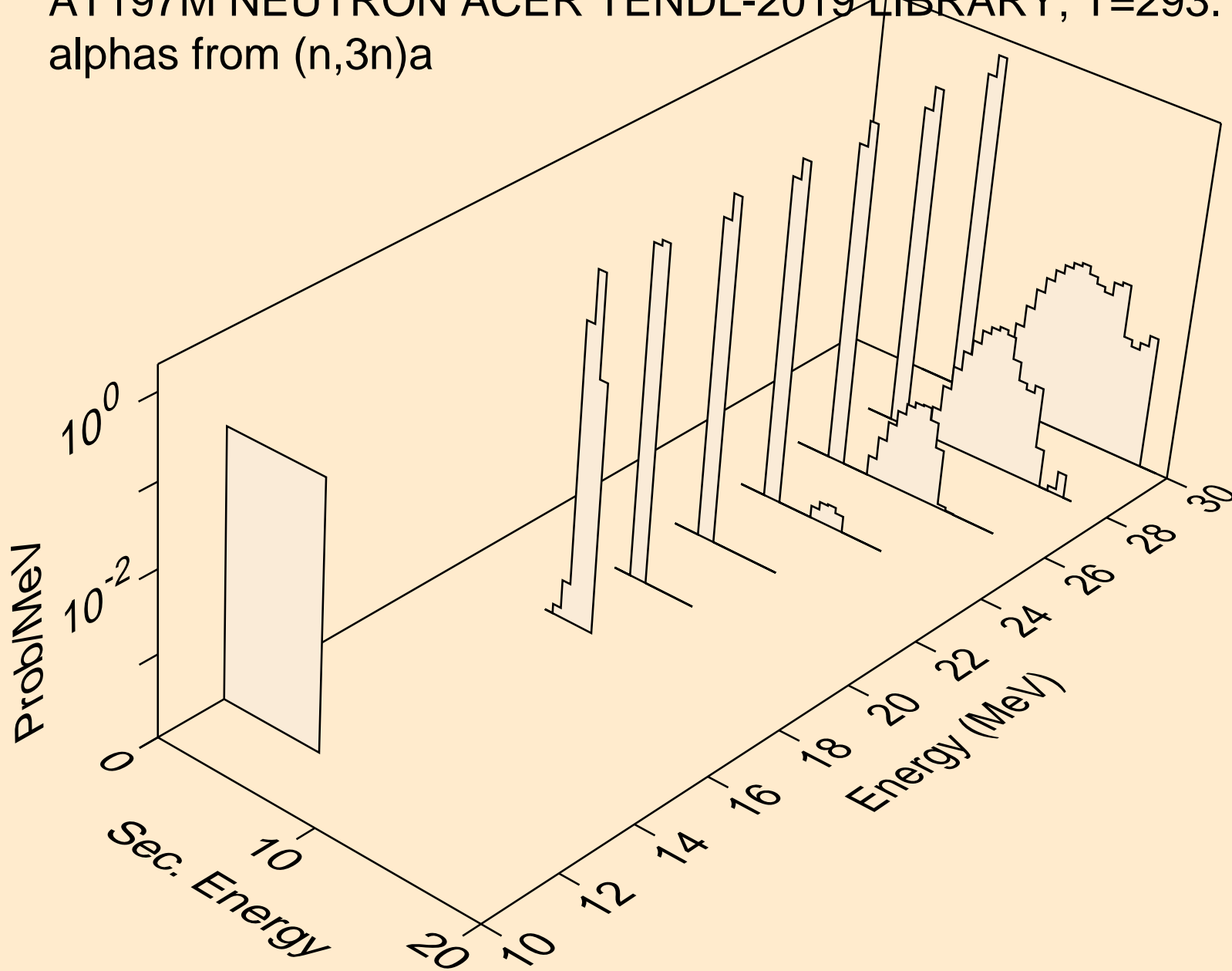
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)3a



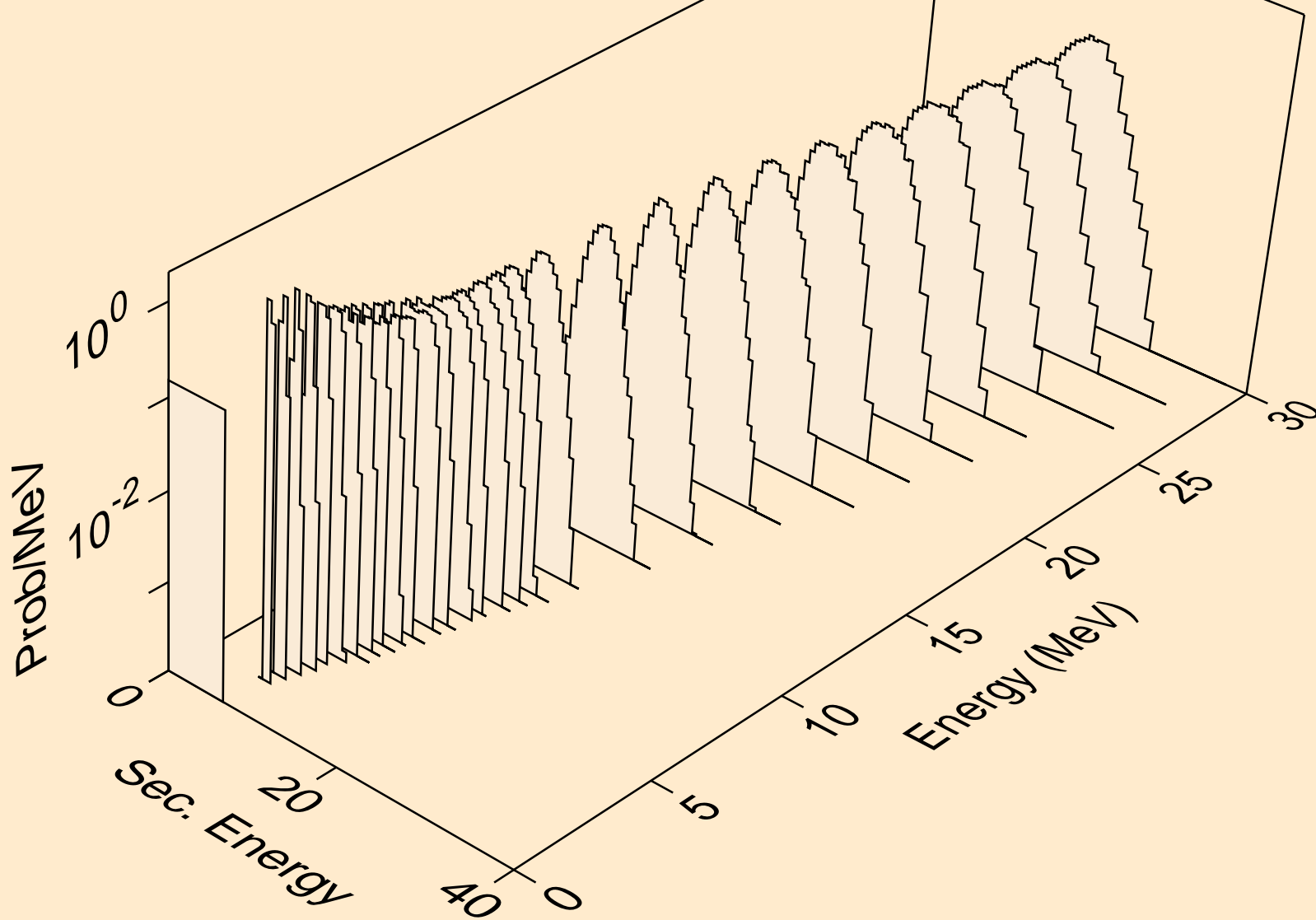
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



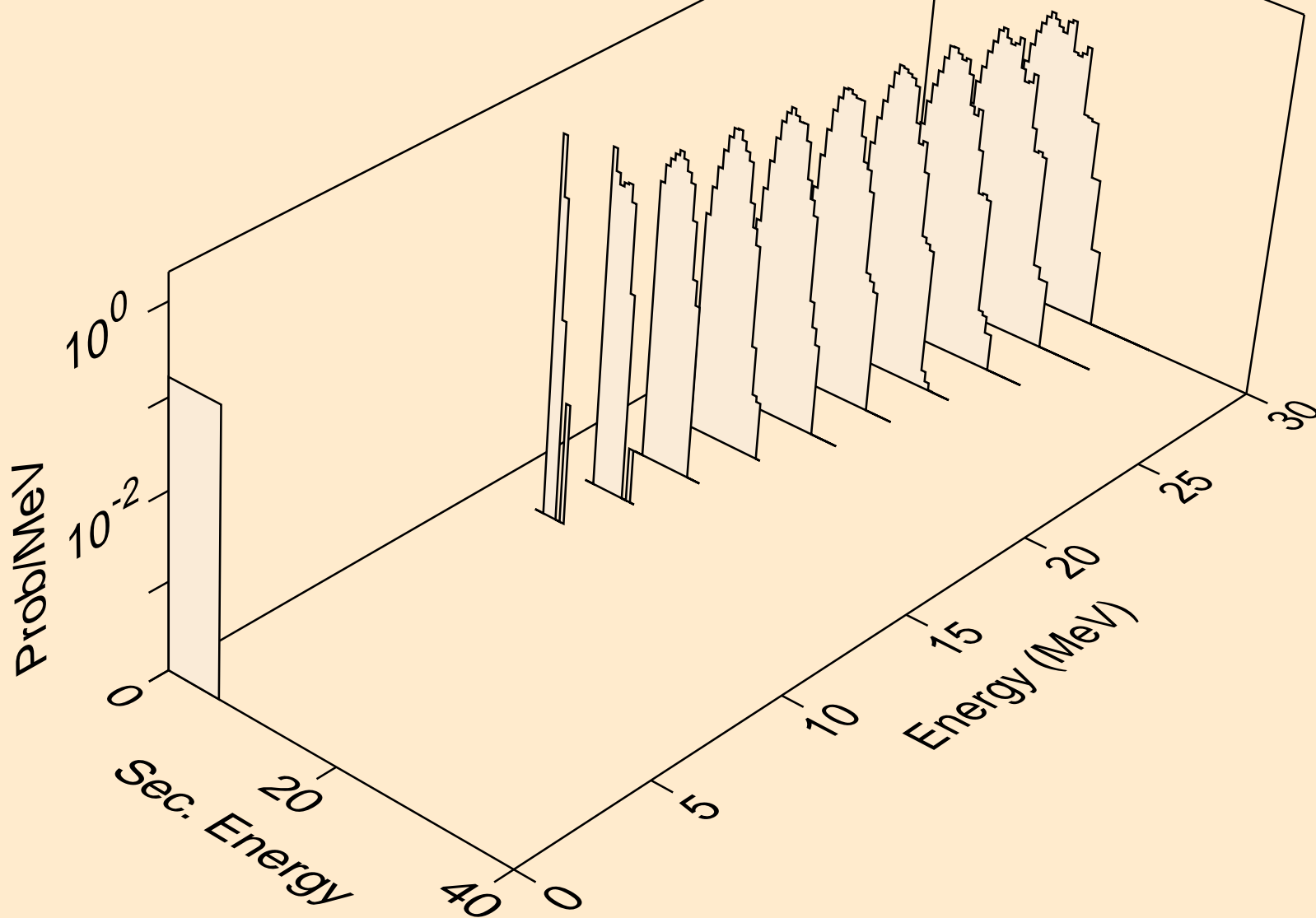
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



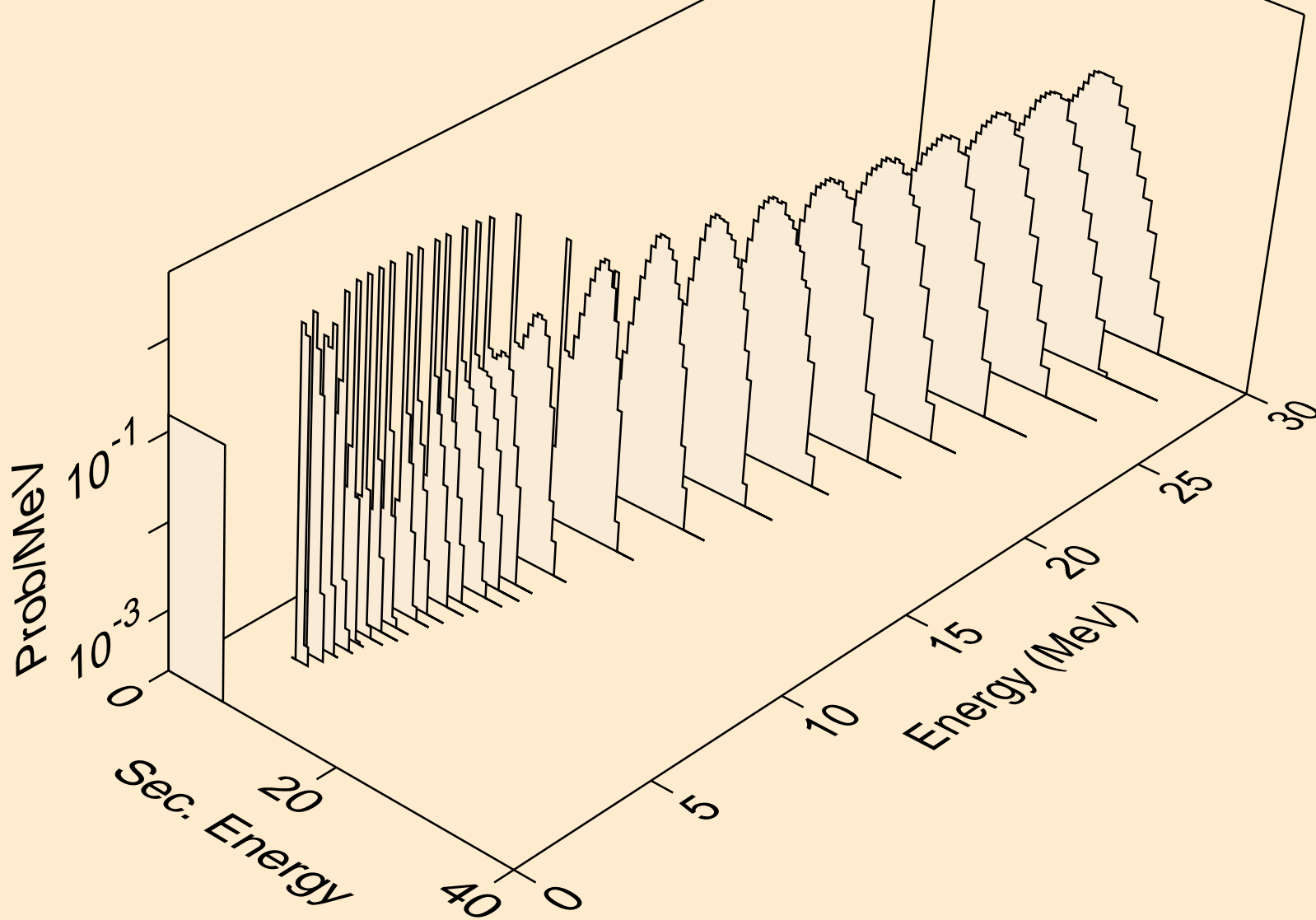
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a

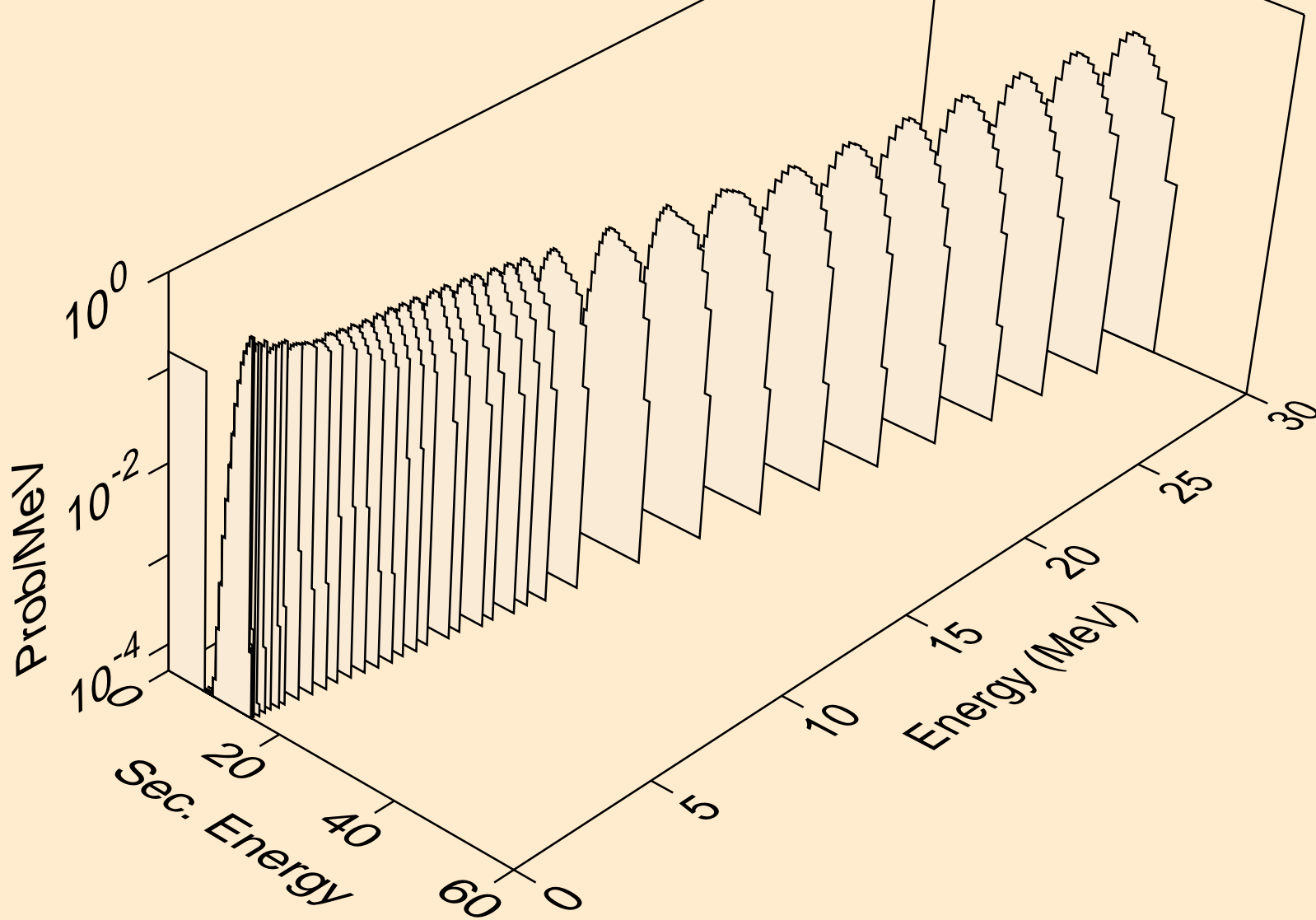


AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

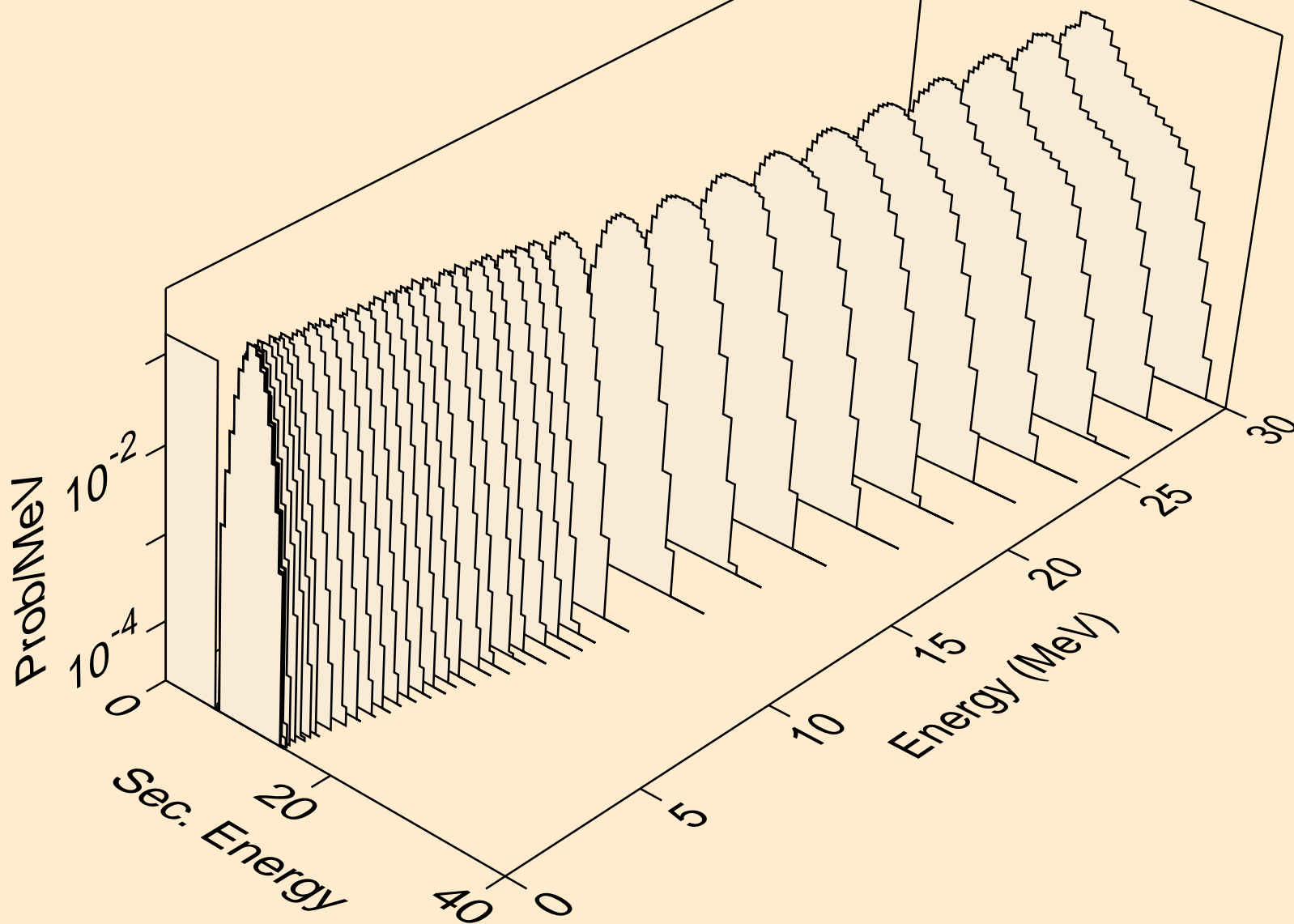




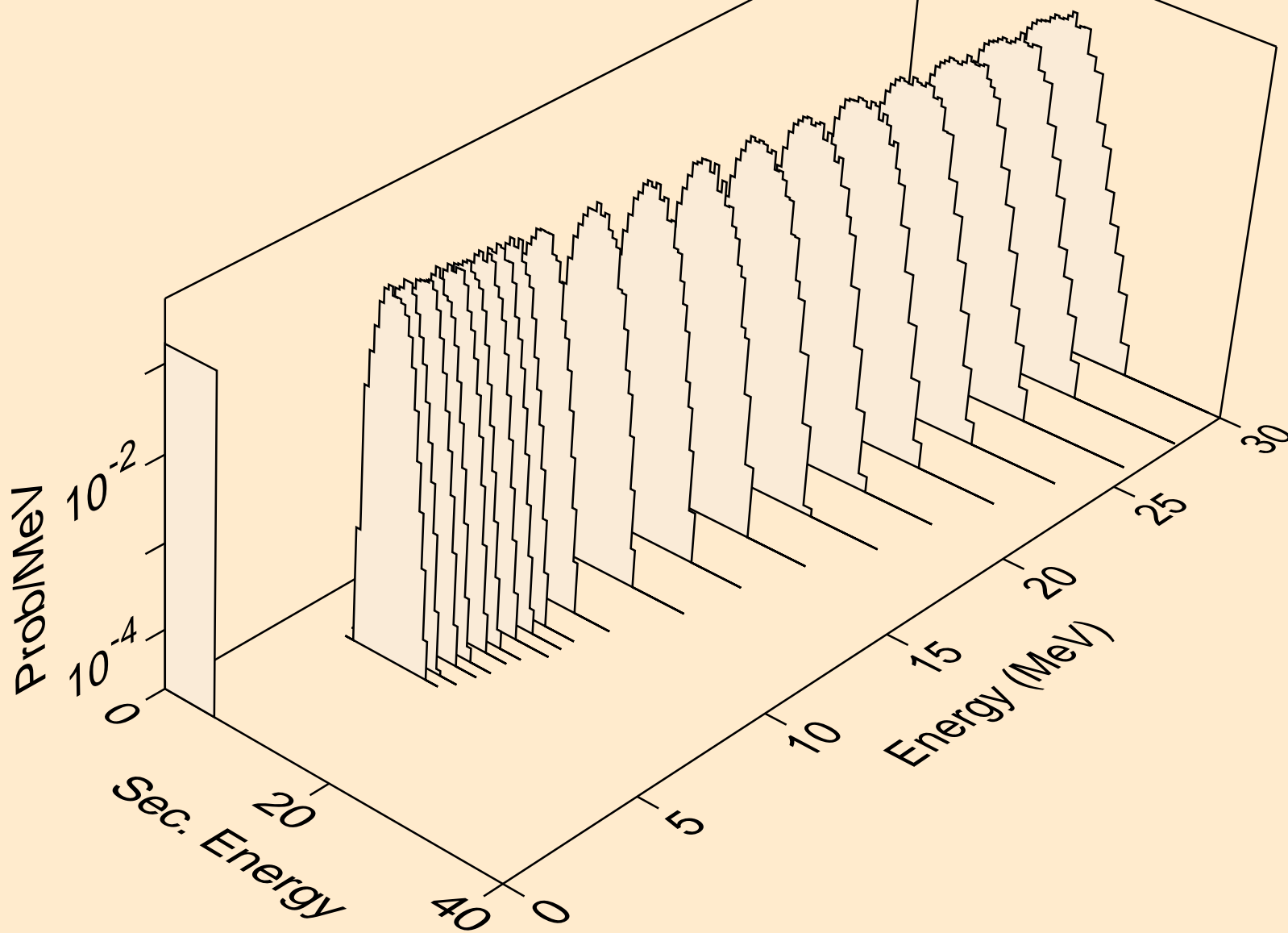
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



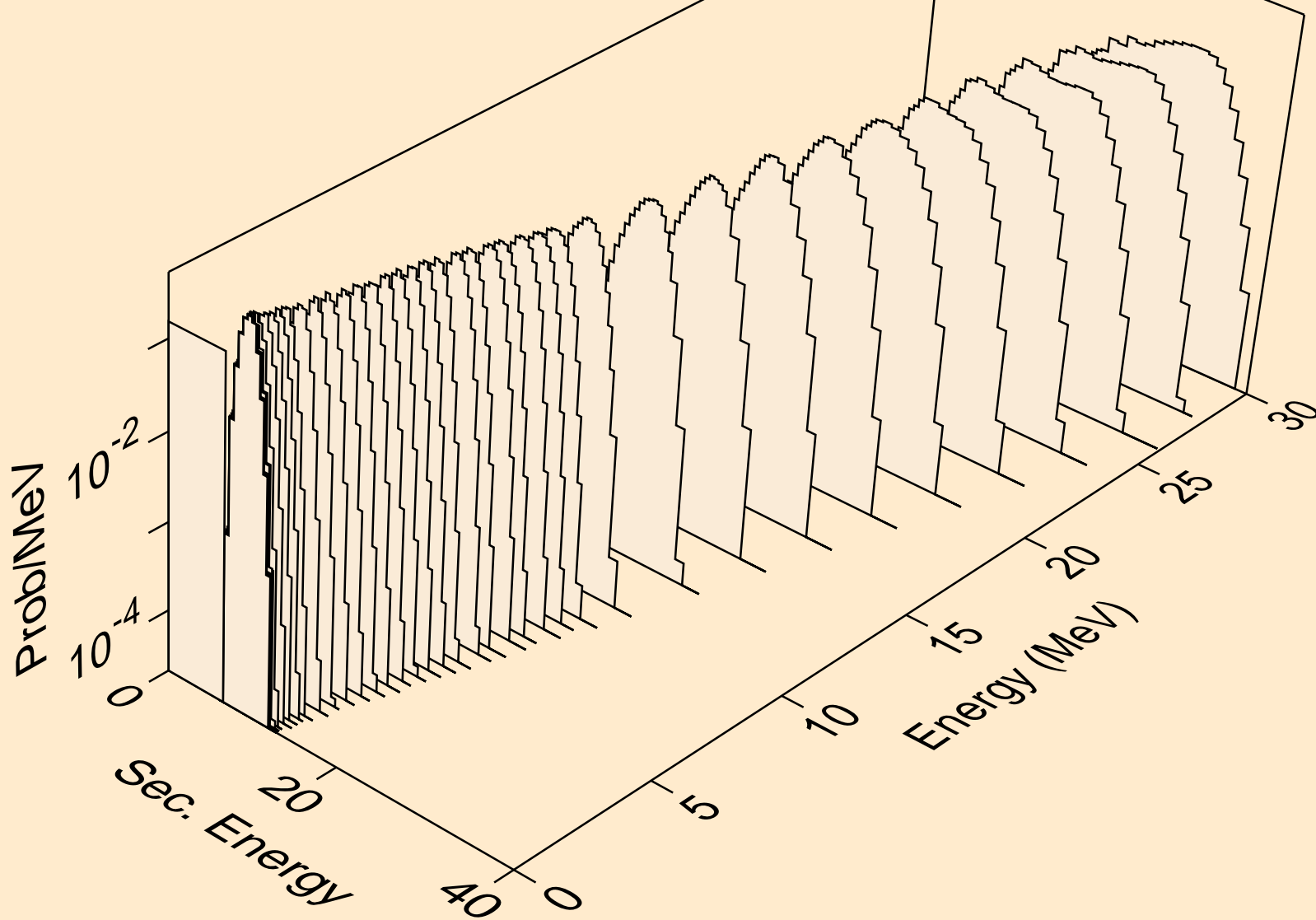
AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



AT197M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

