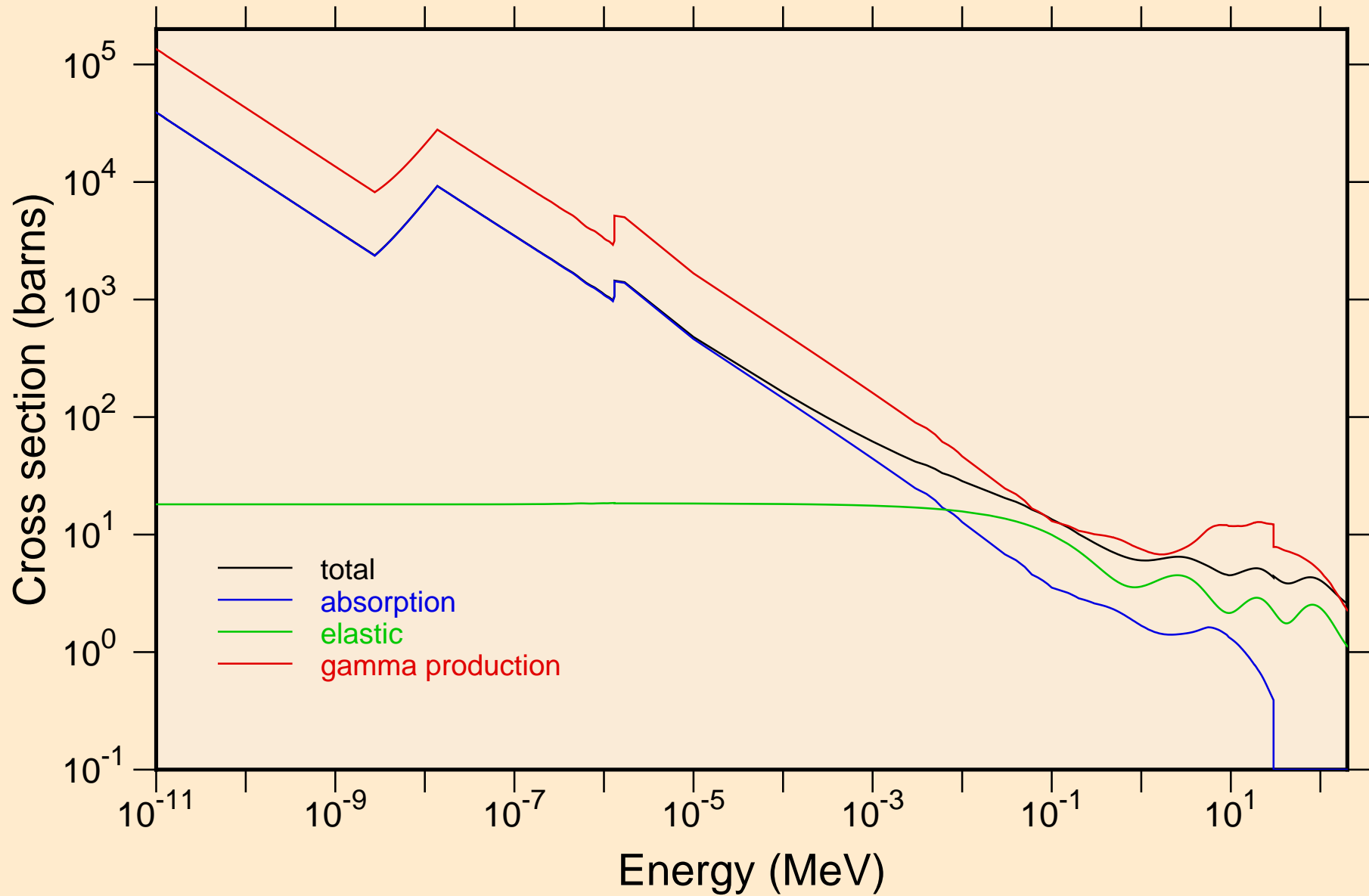


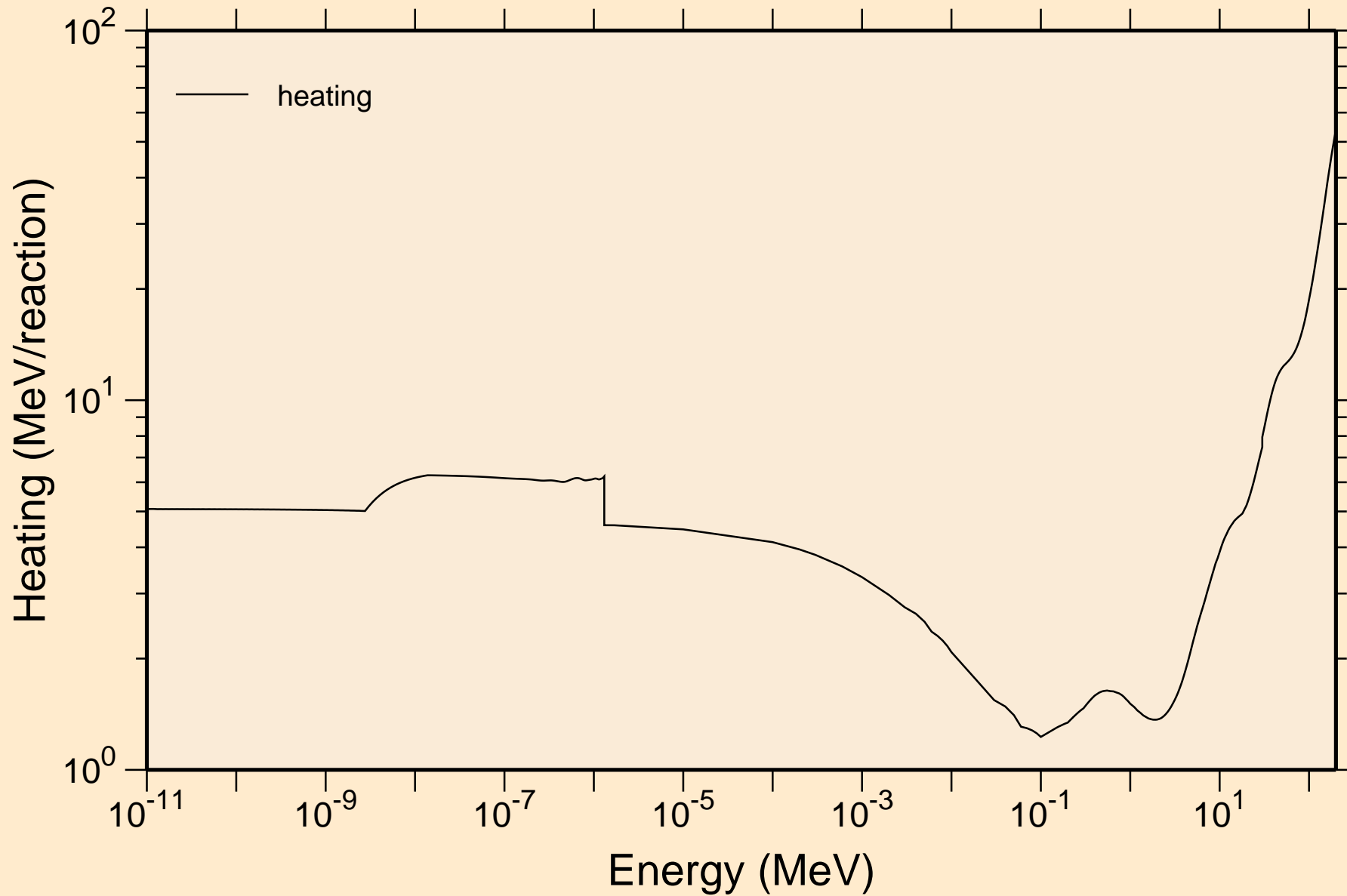
# RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

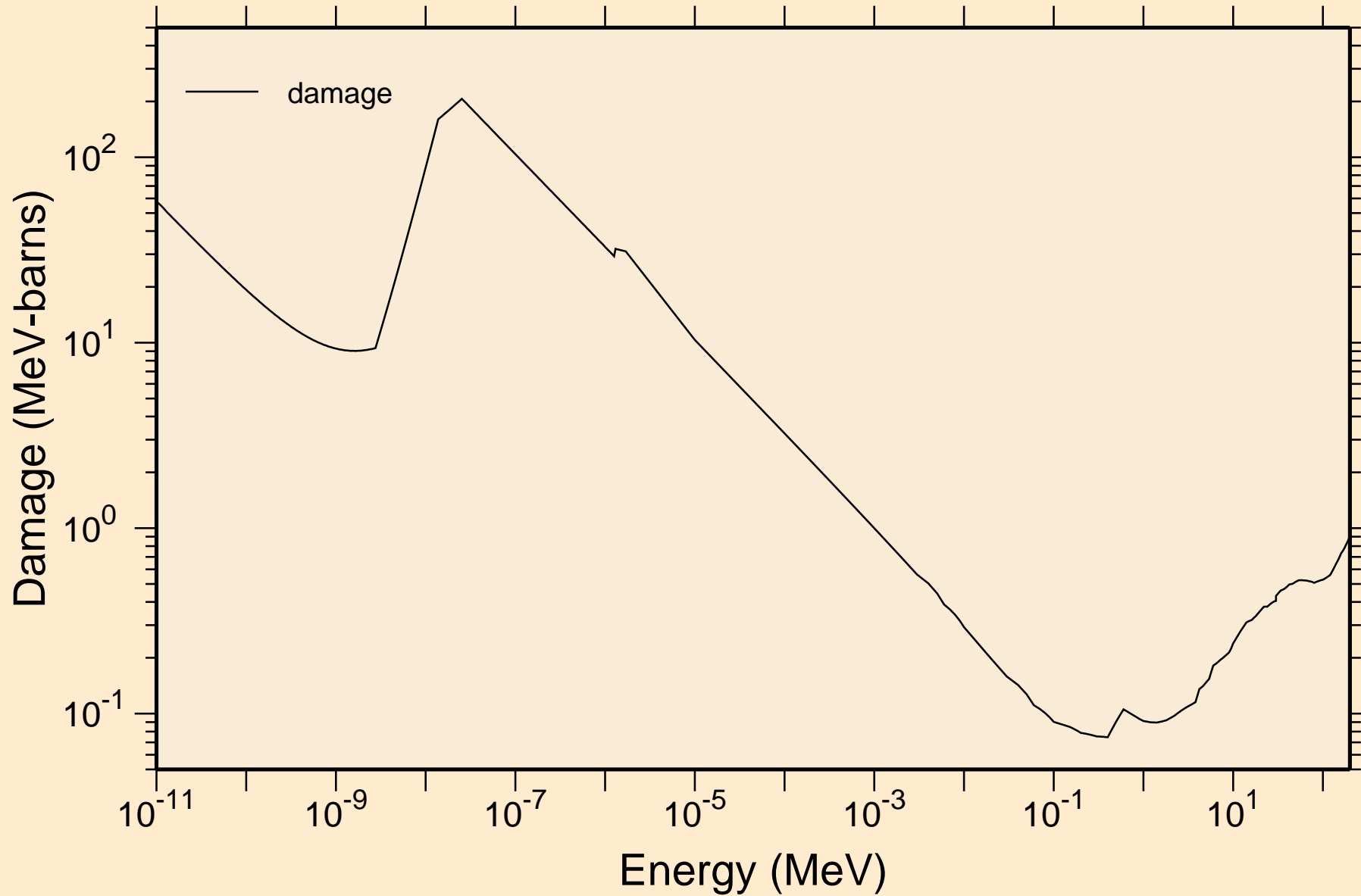


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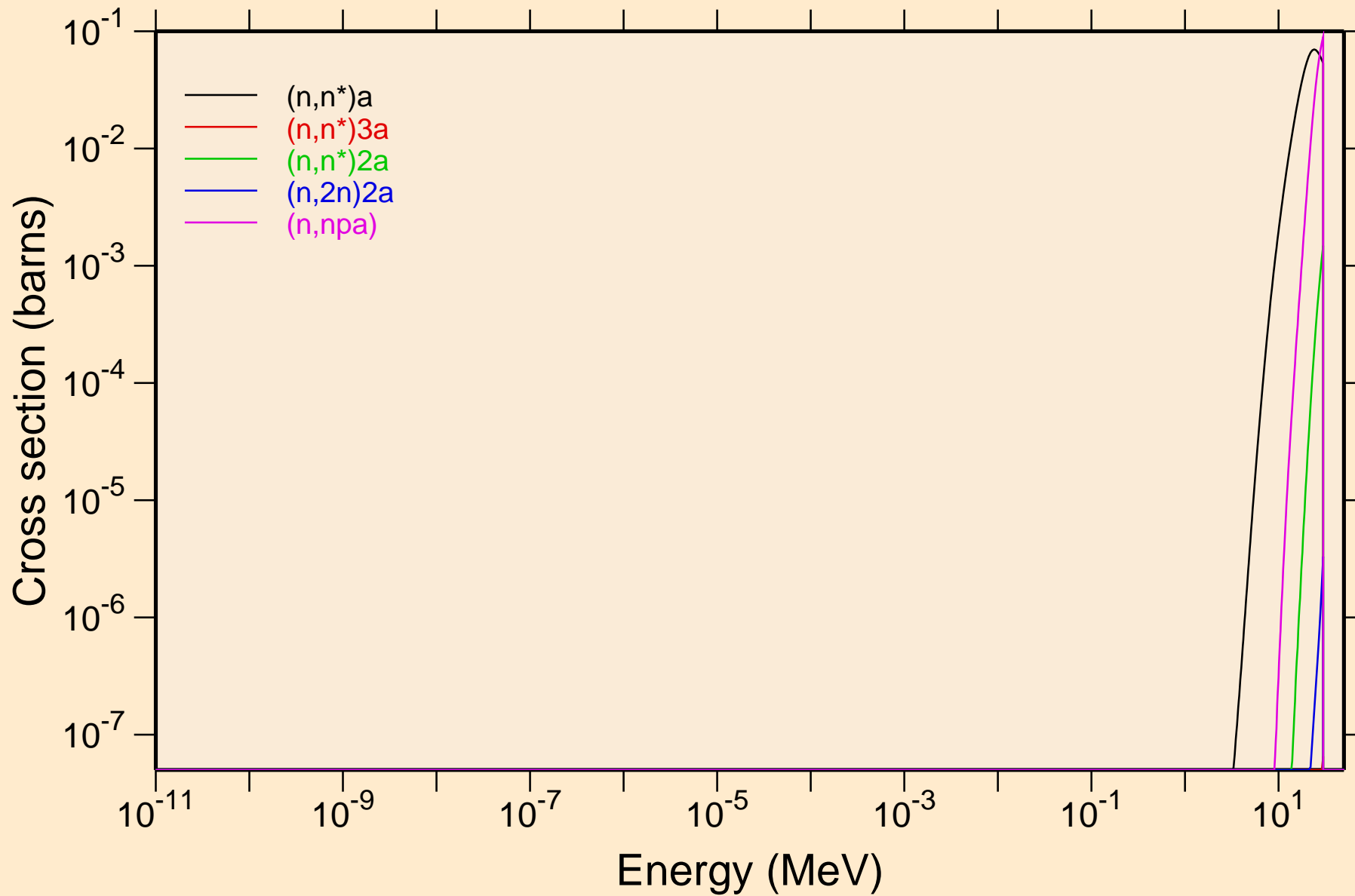
## Heating



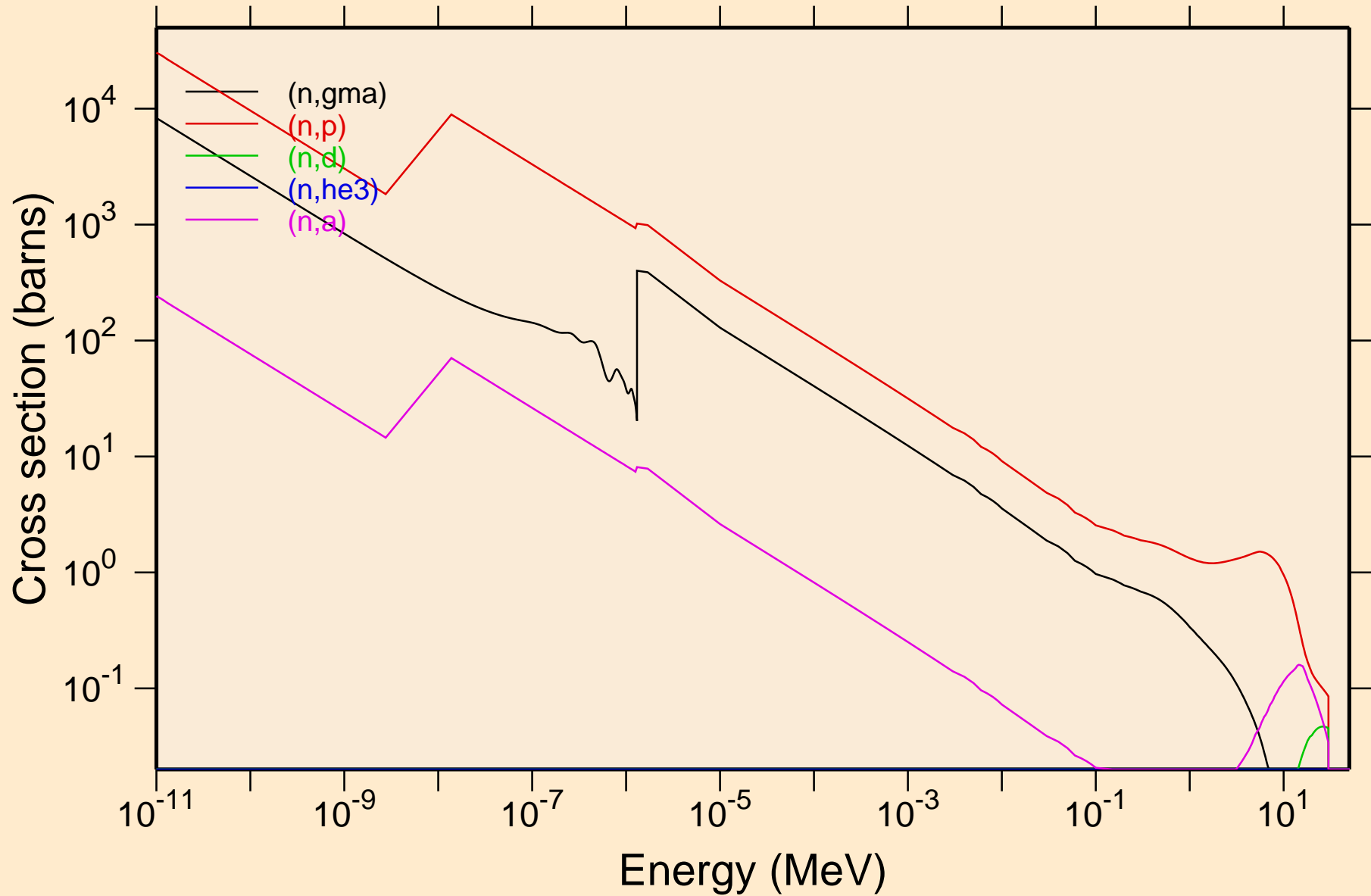
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



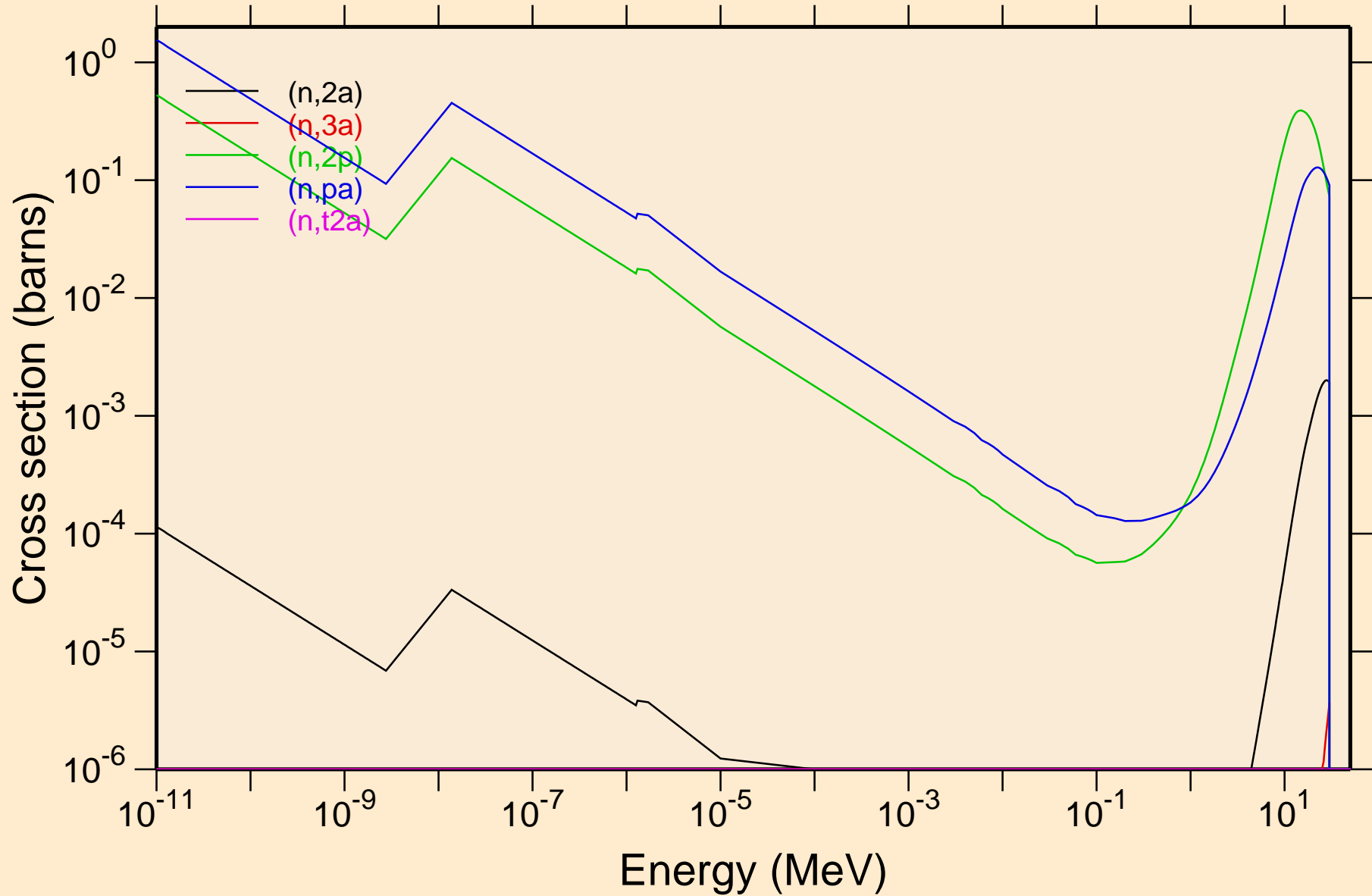
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



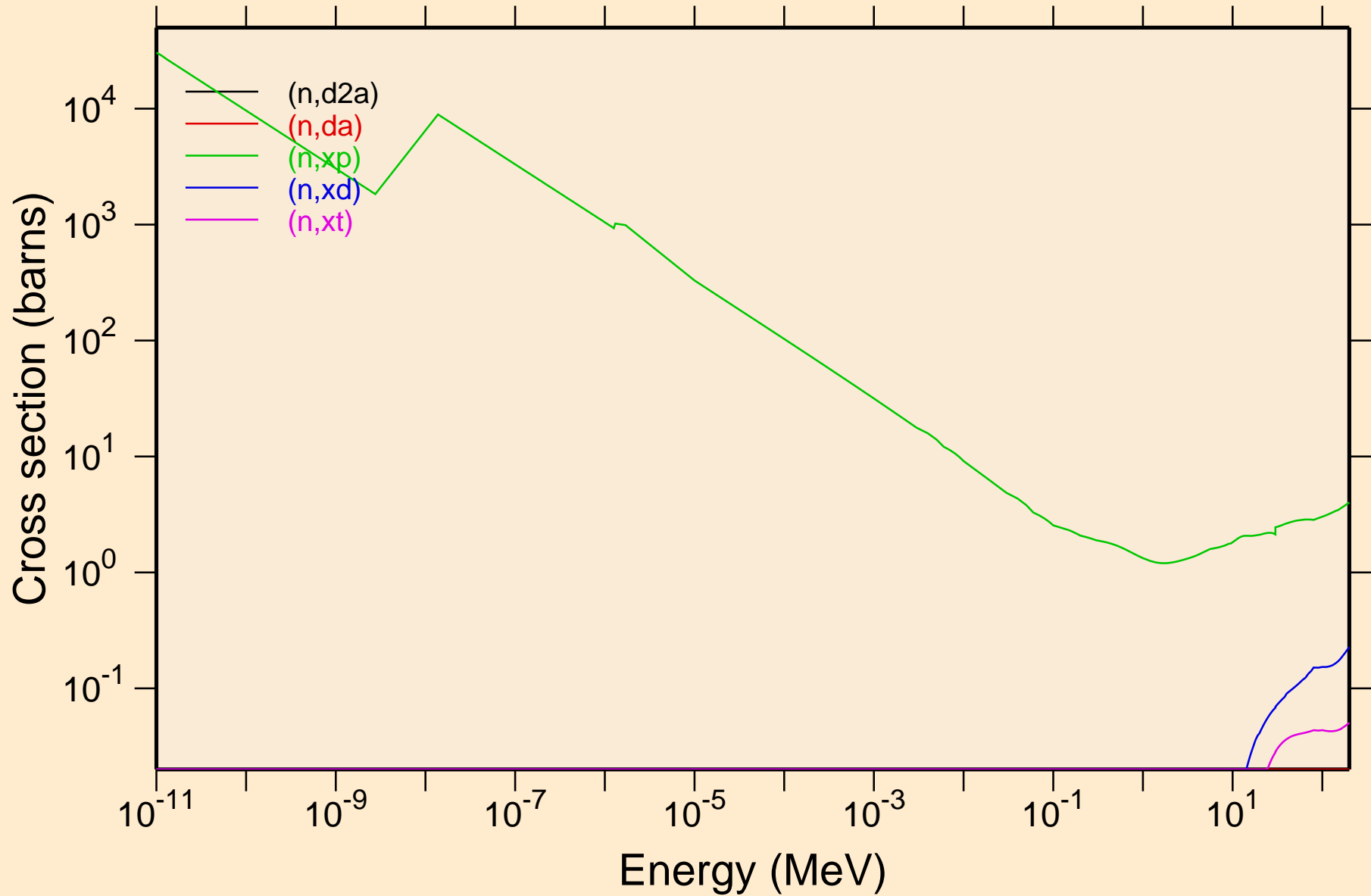
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Non-threshold reactions



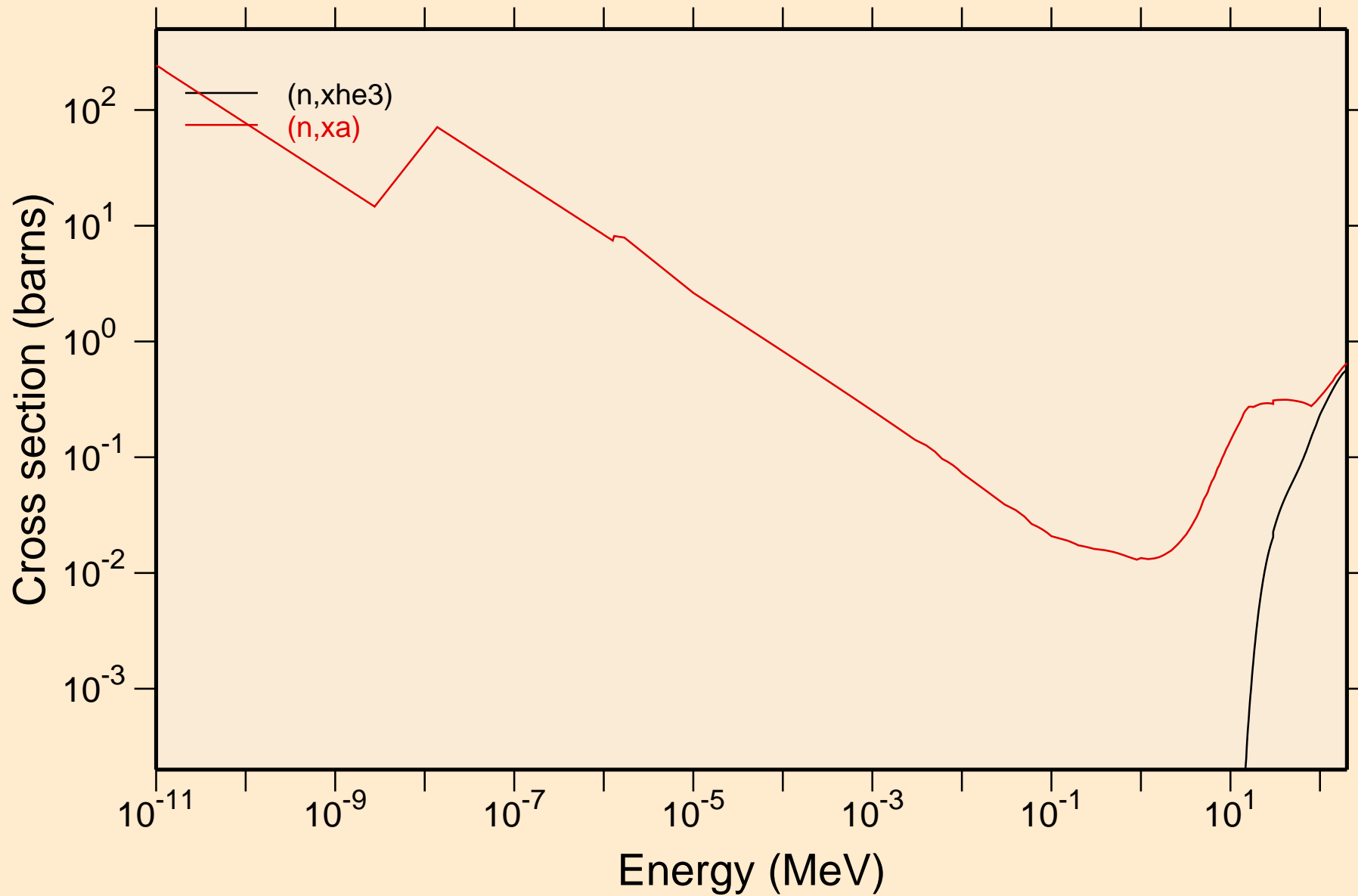
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



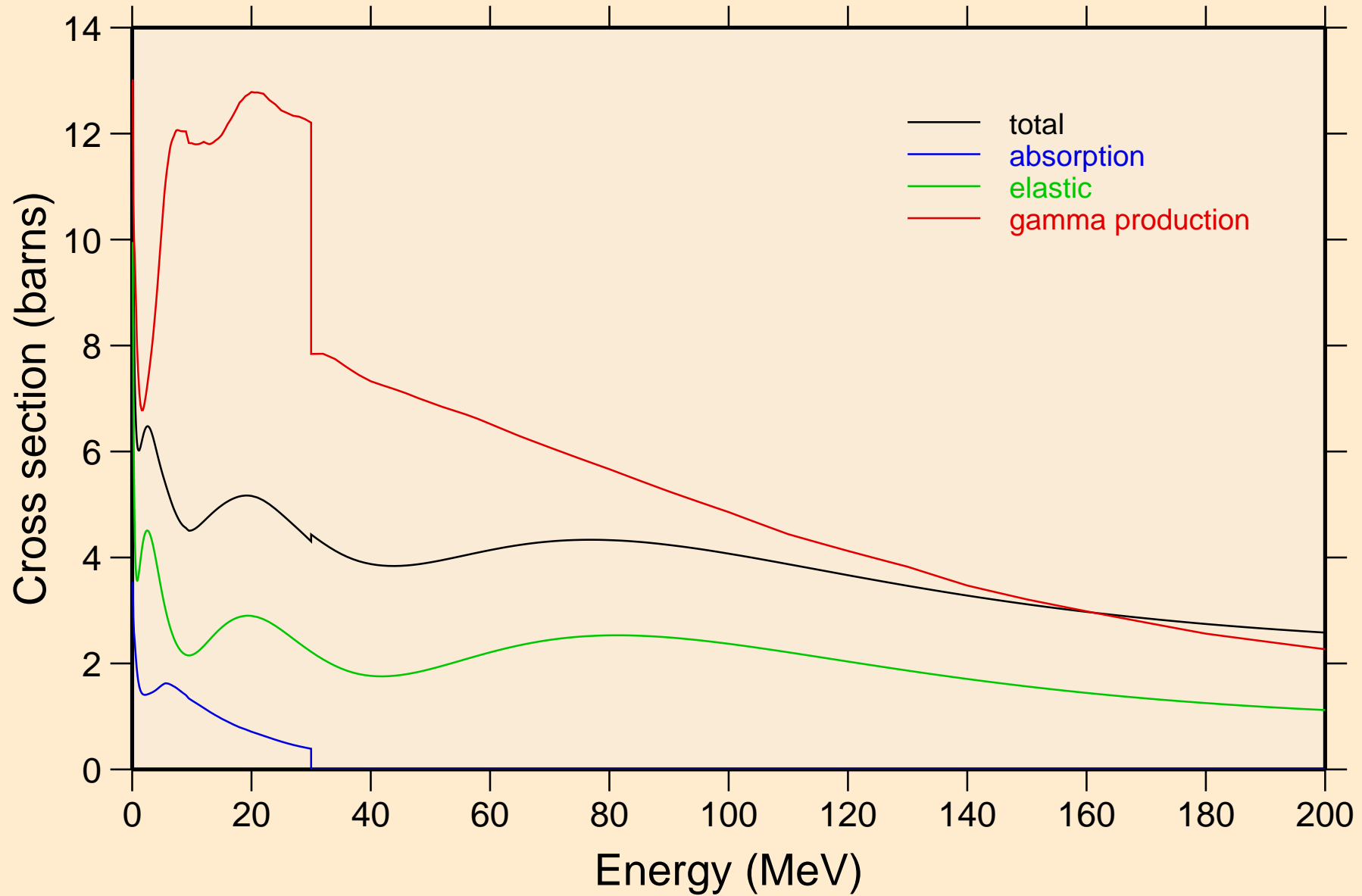
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Non-threshold reactions





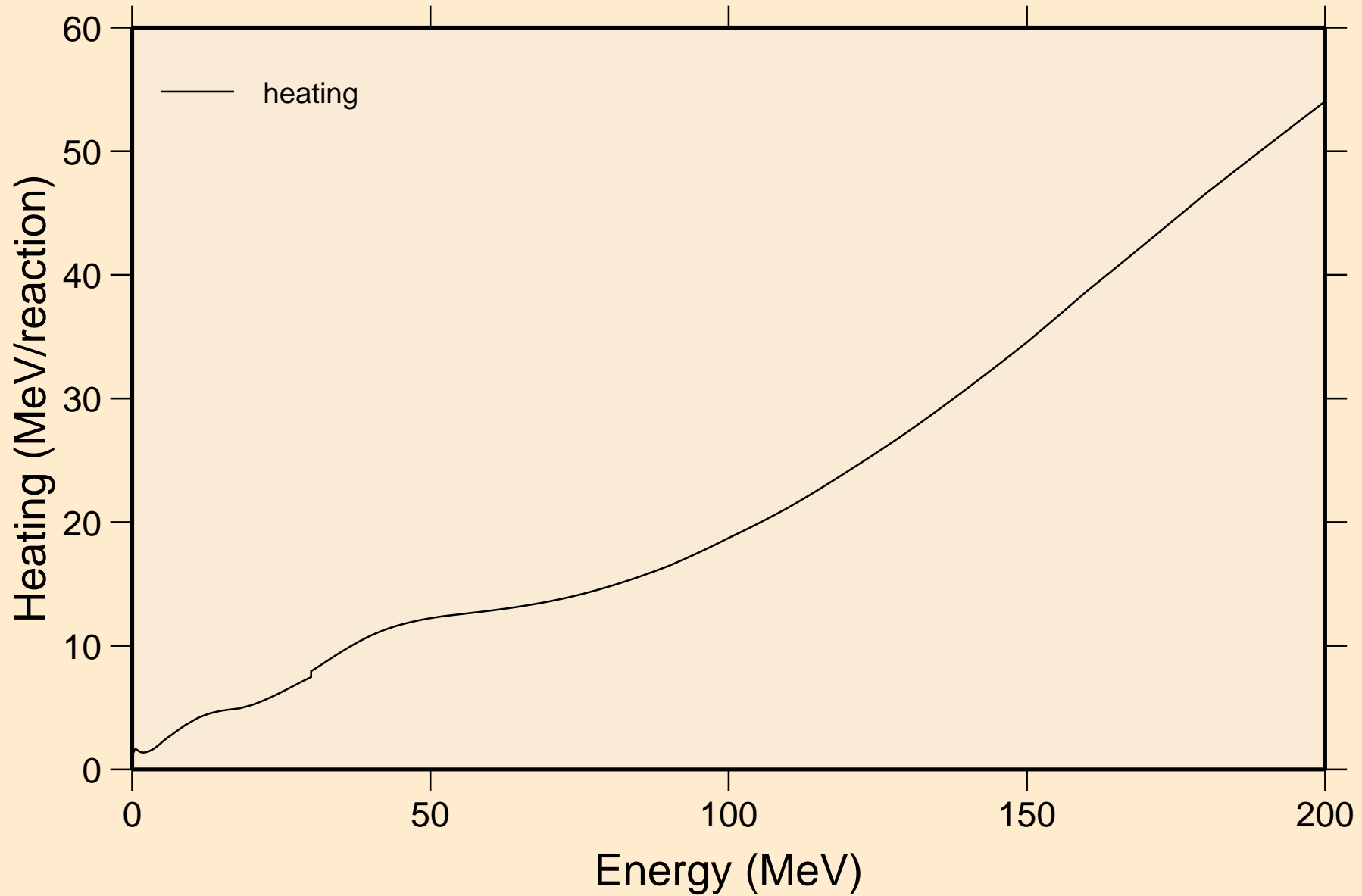
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## Principal cross sections

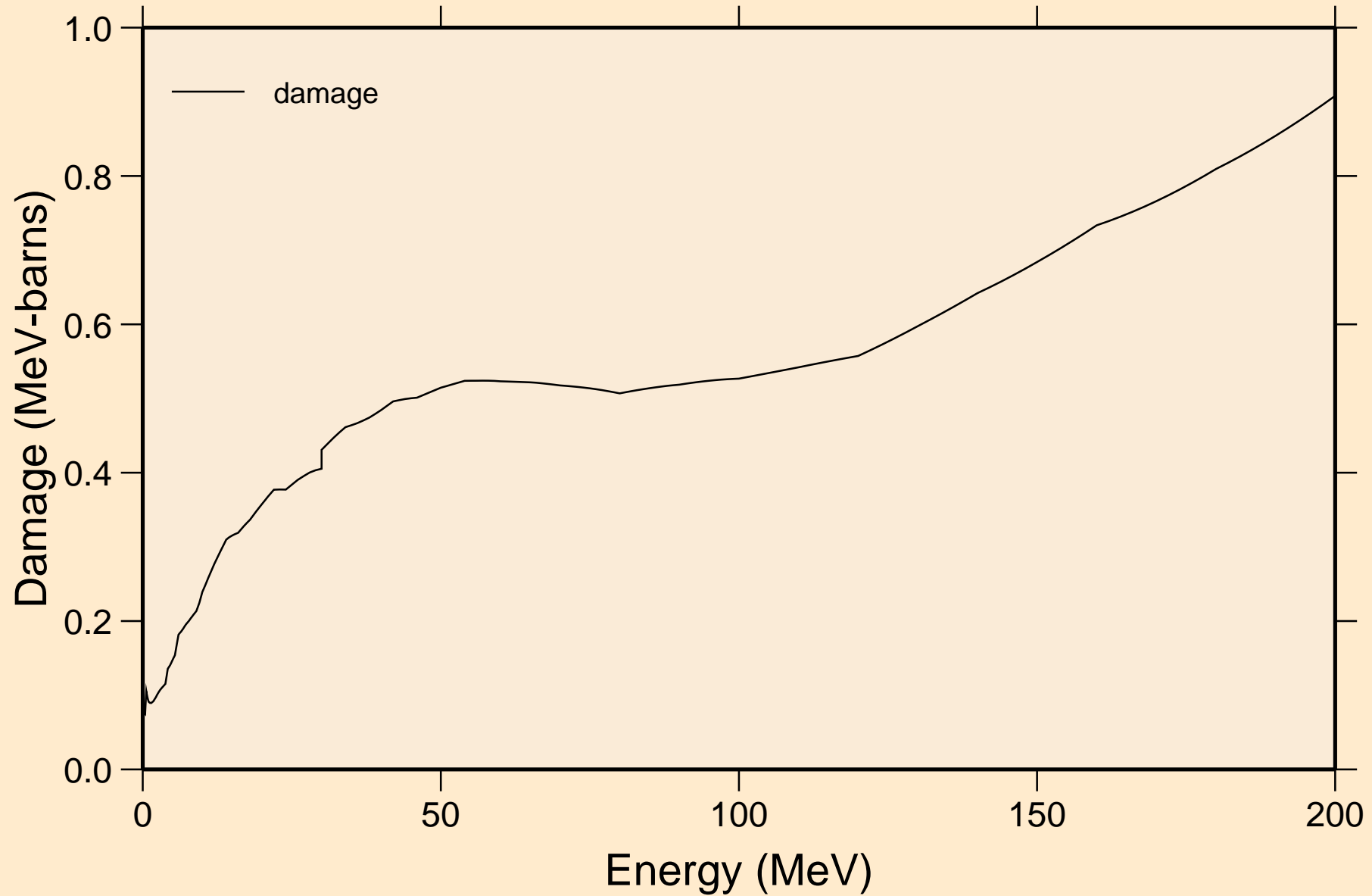


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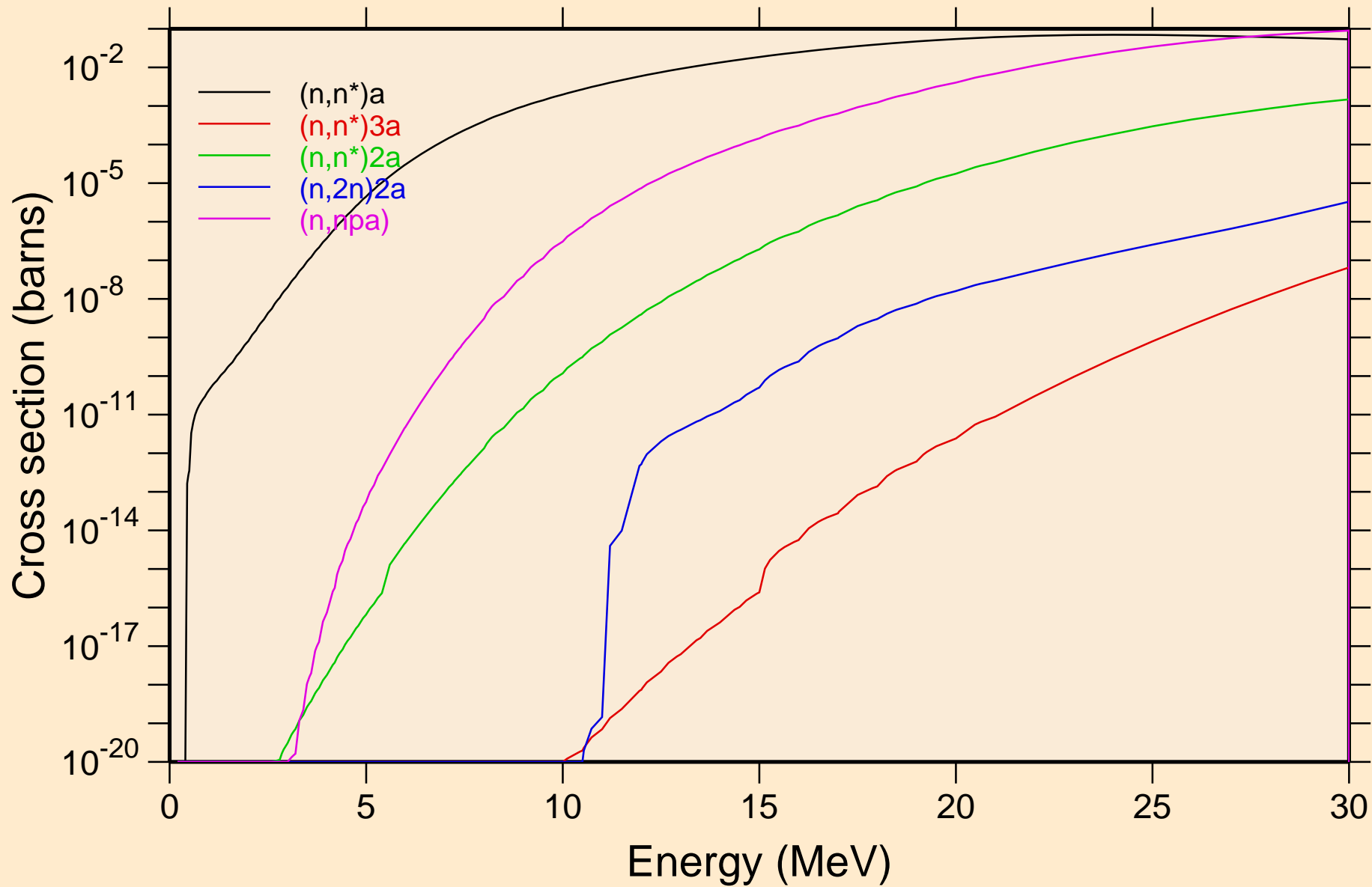
## Heating



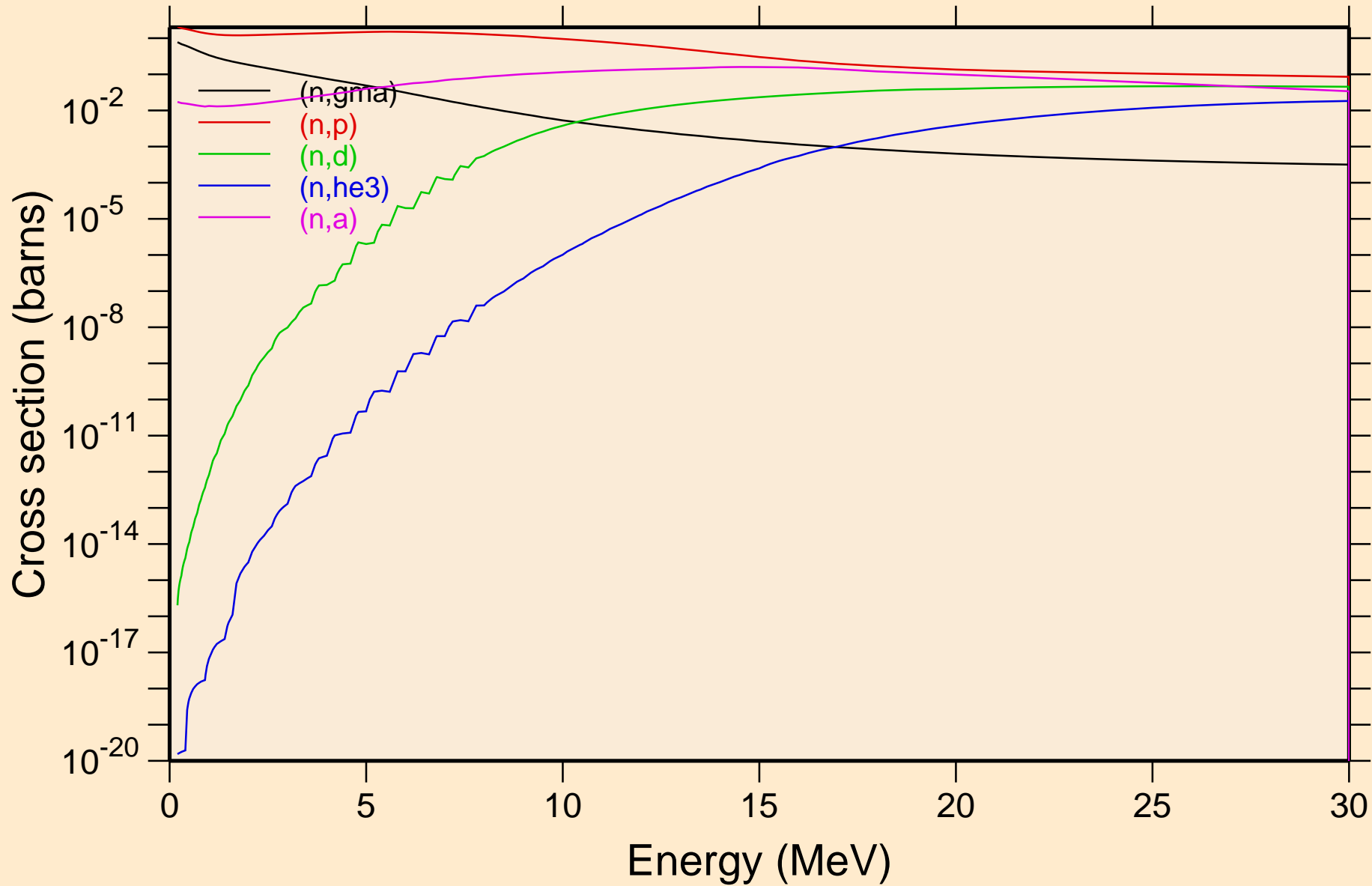
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Damage



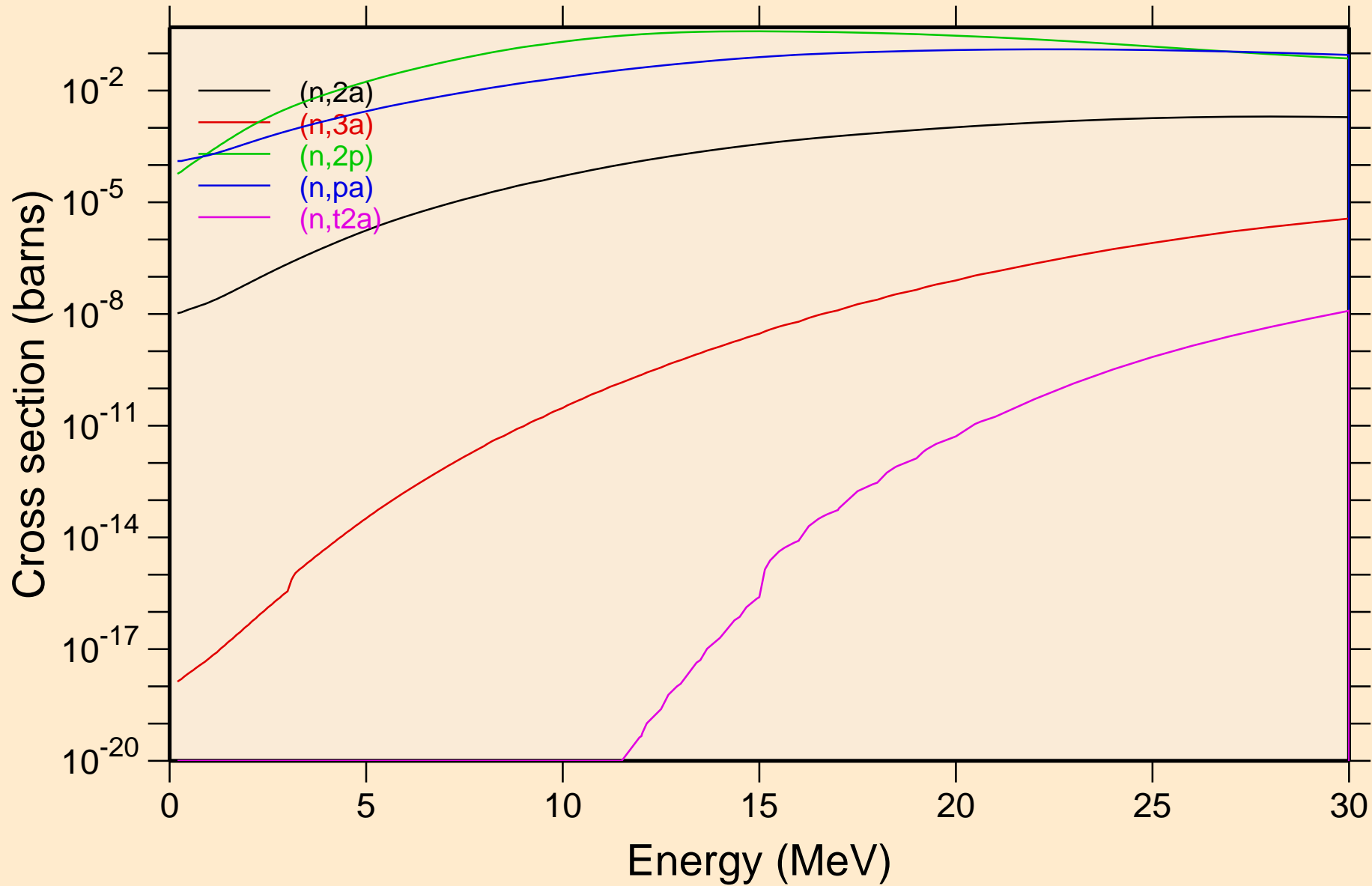
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Non-threshold reactions



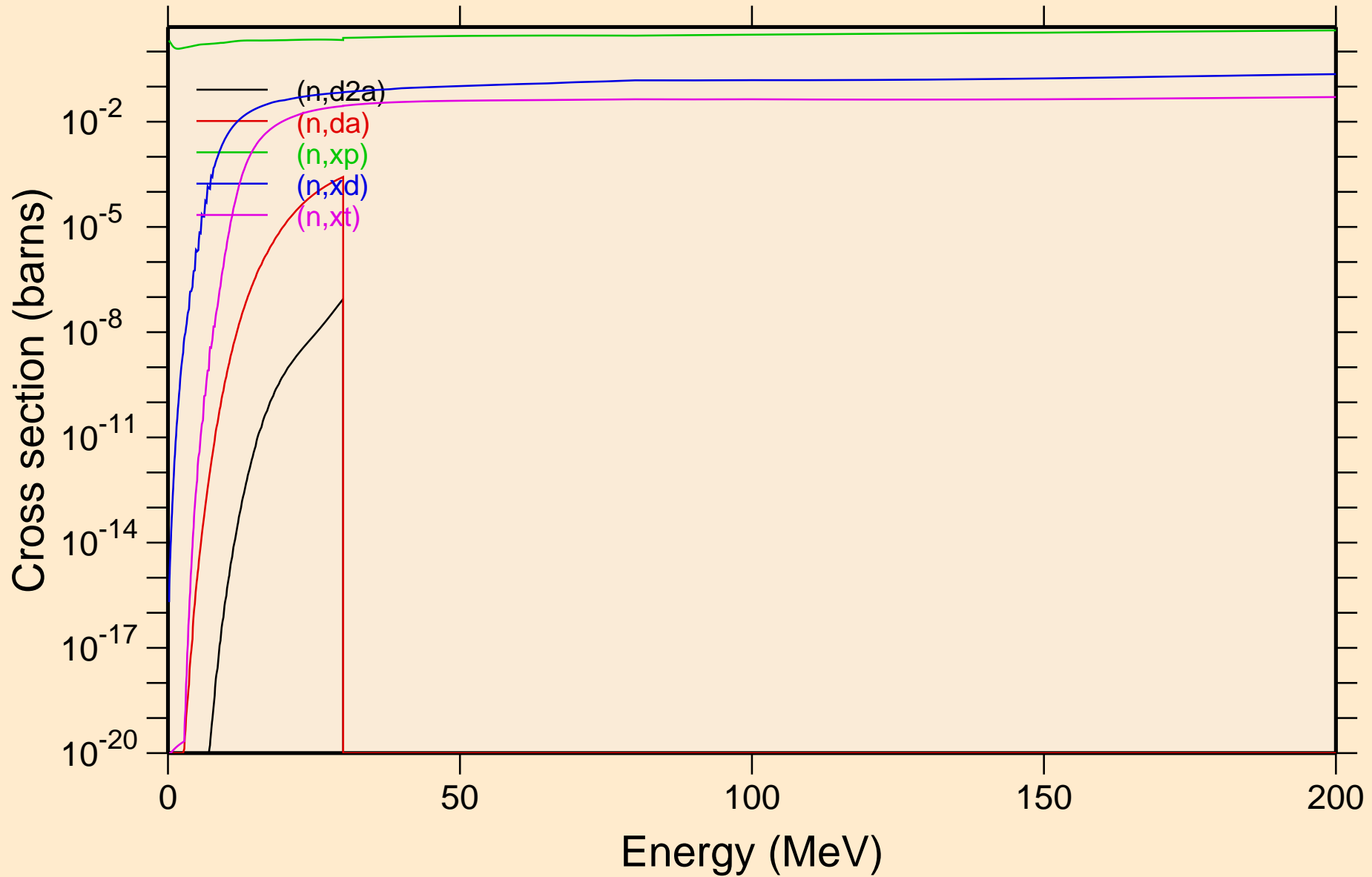
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Non-threshold reactions



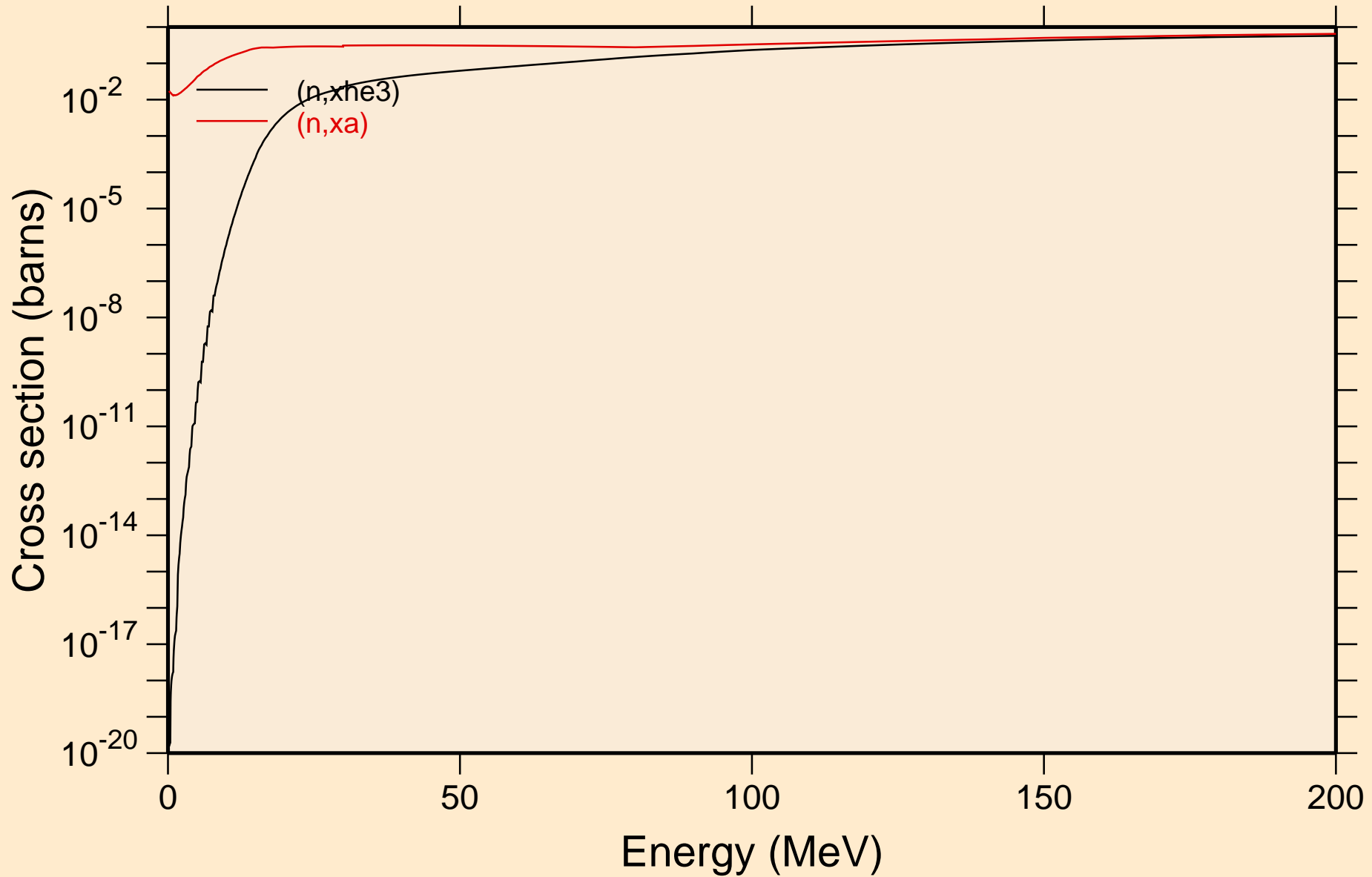
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Non-threshold reactions



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

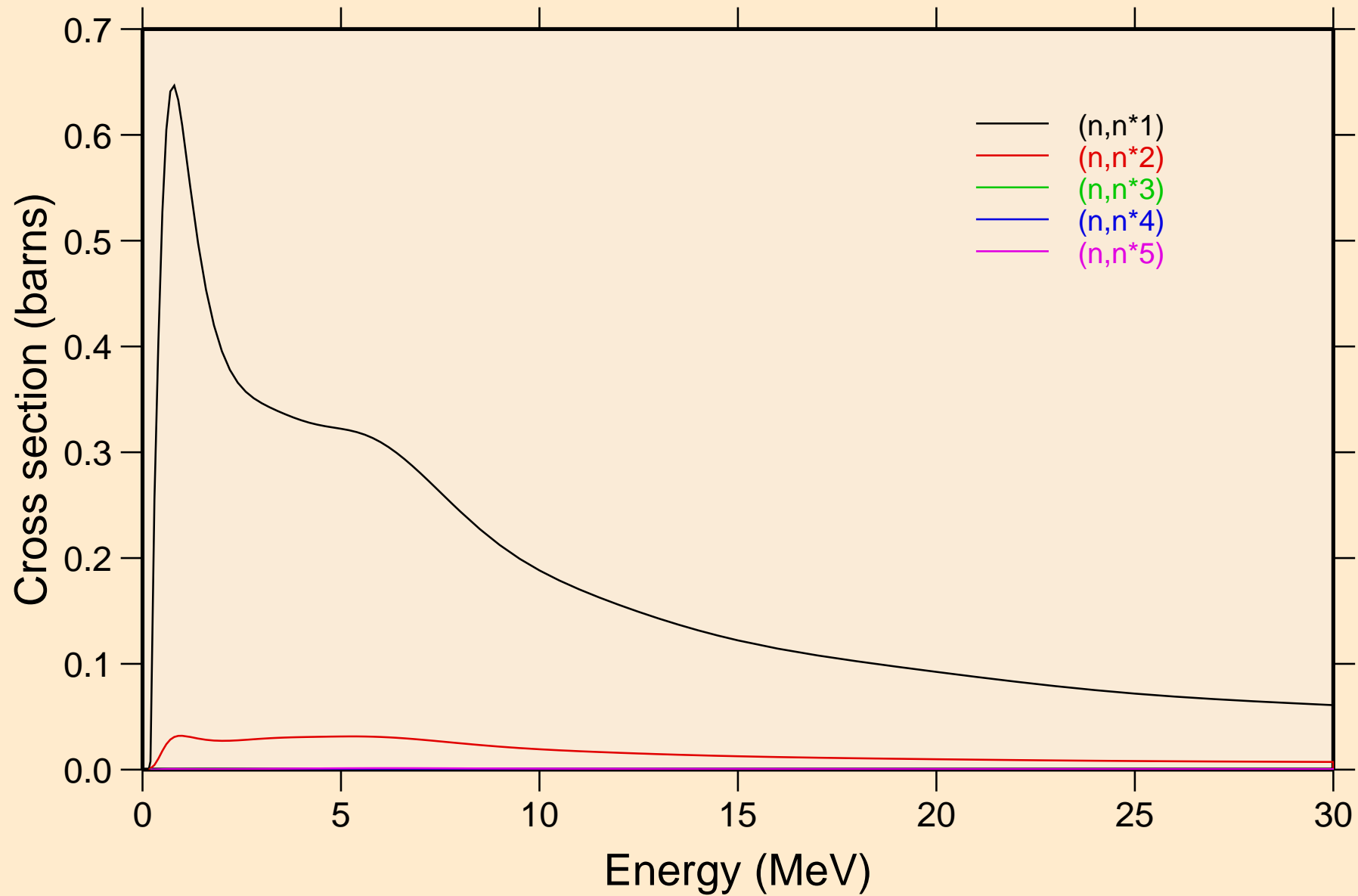


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Non-threshold reactions

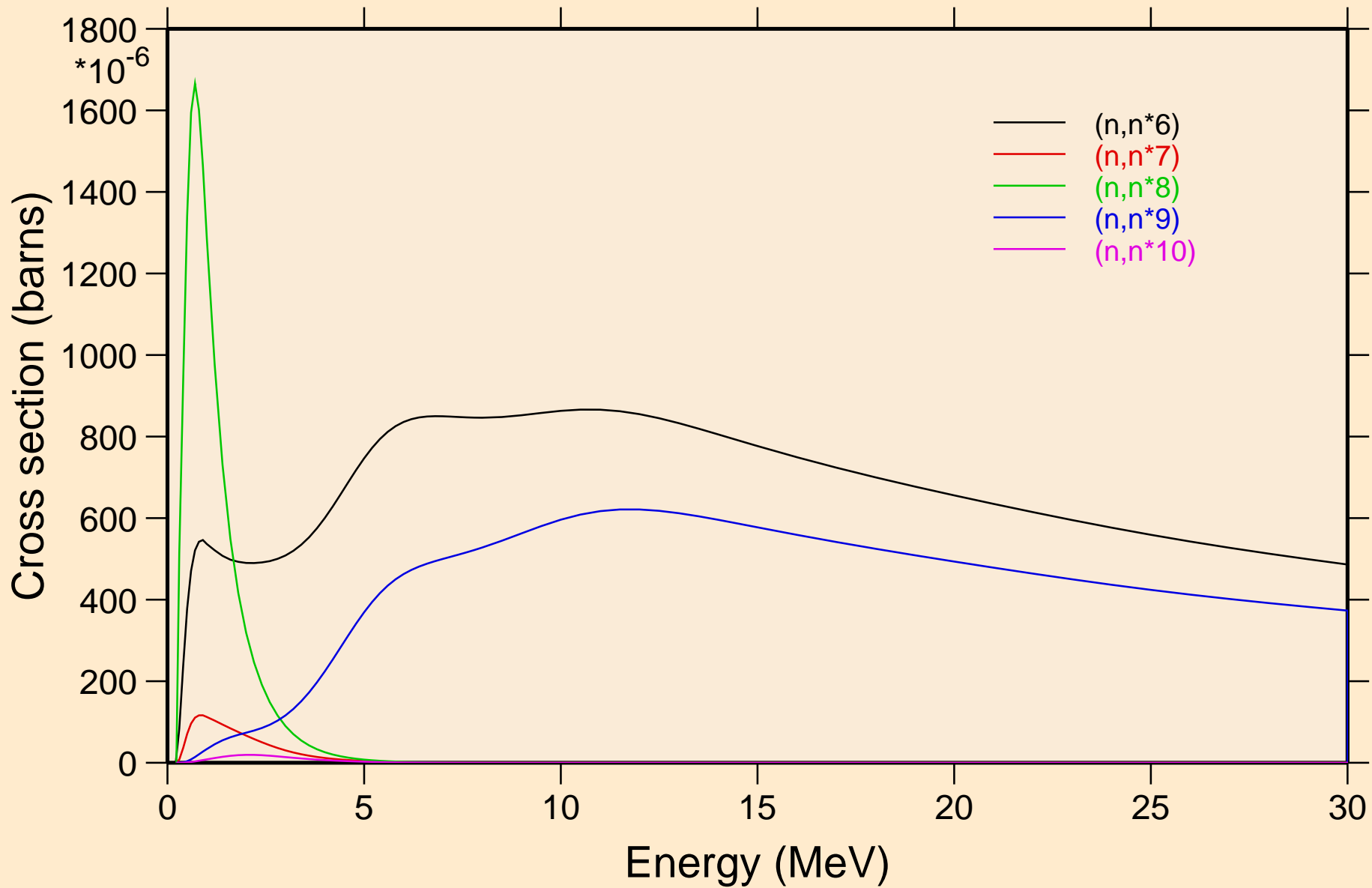




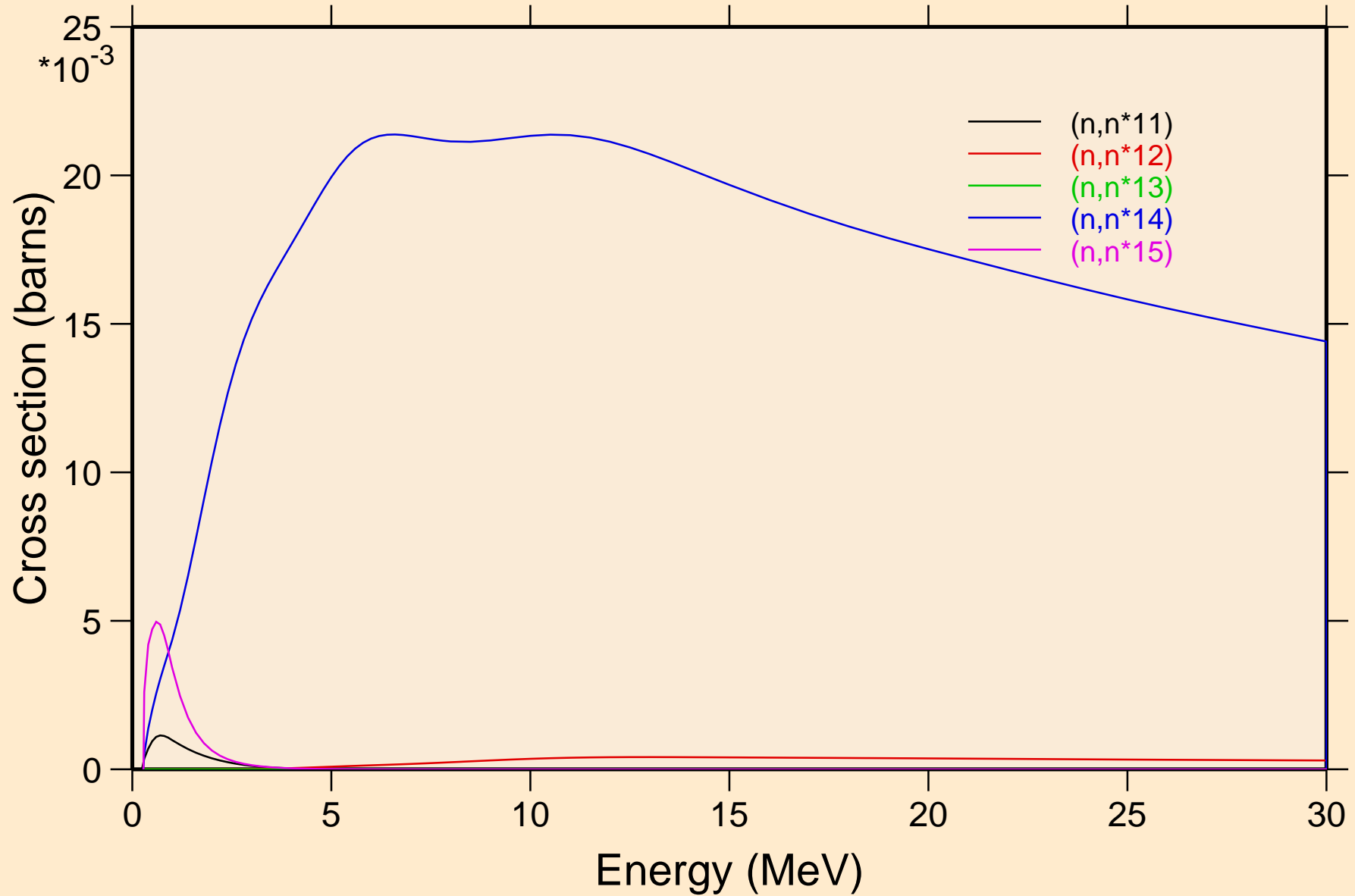
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



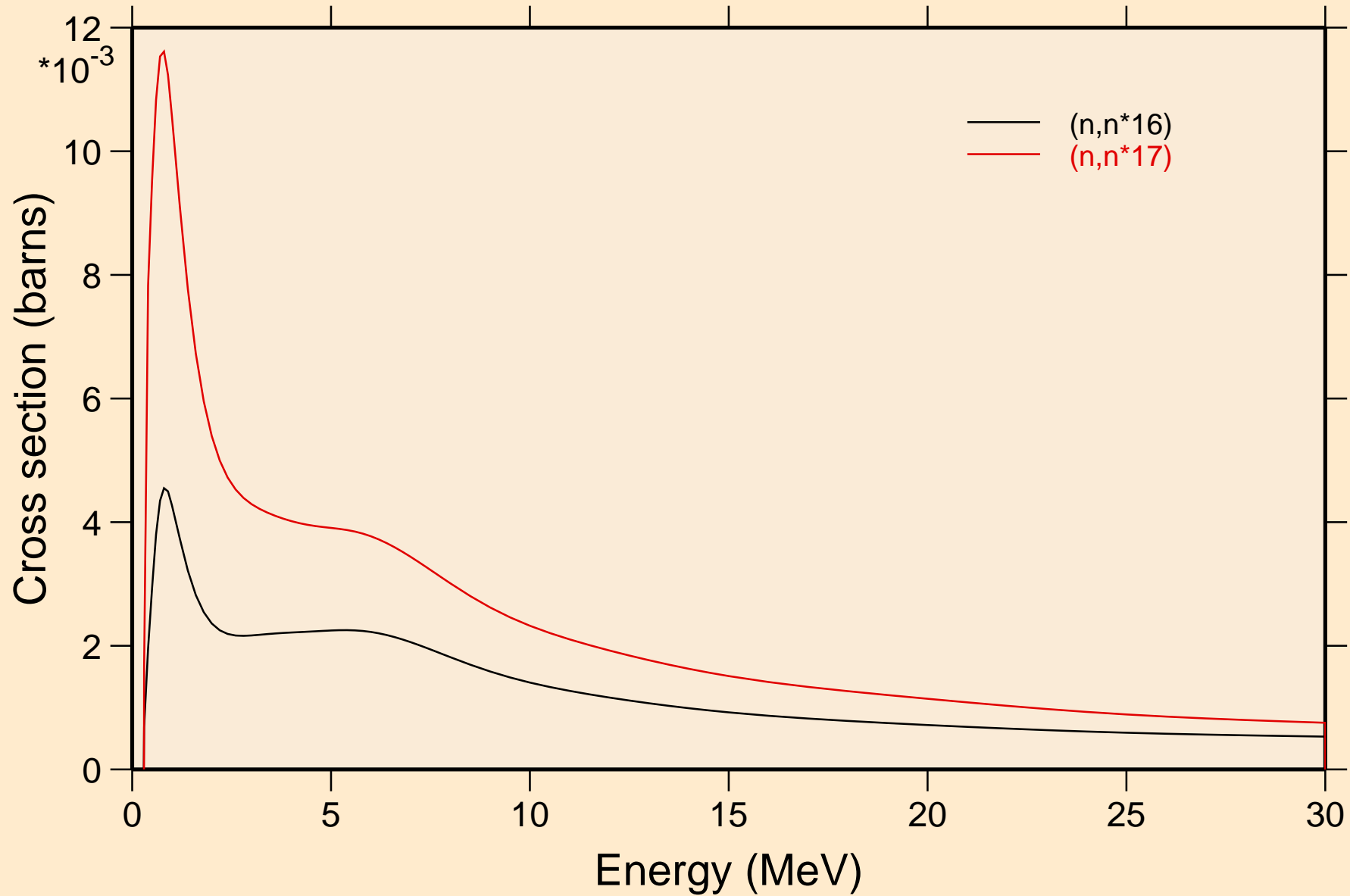
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



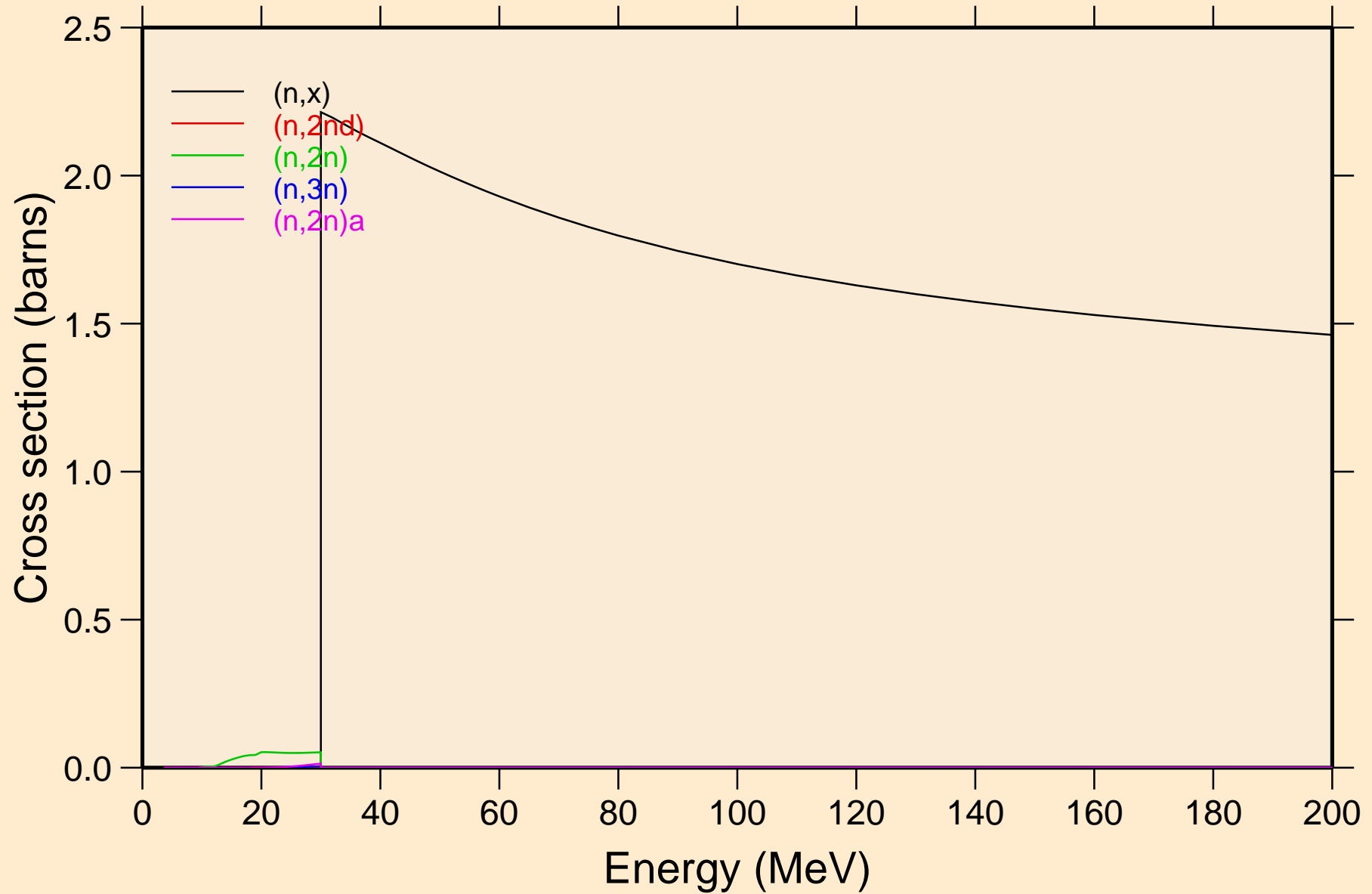
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



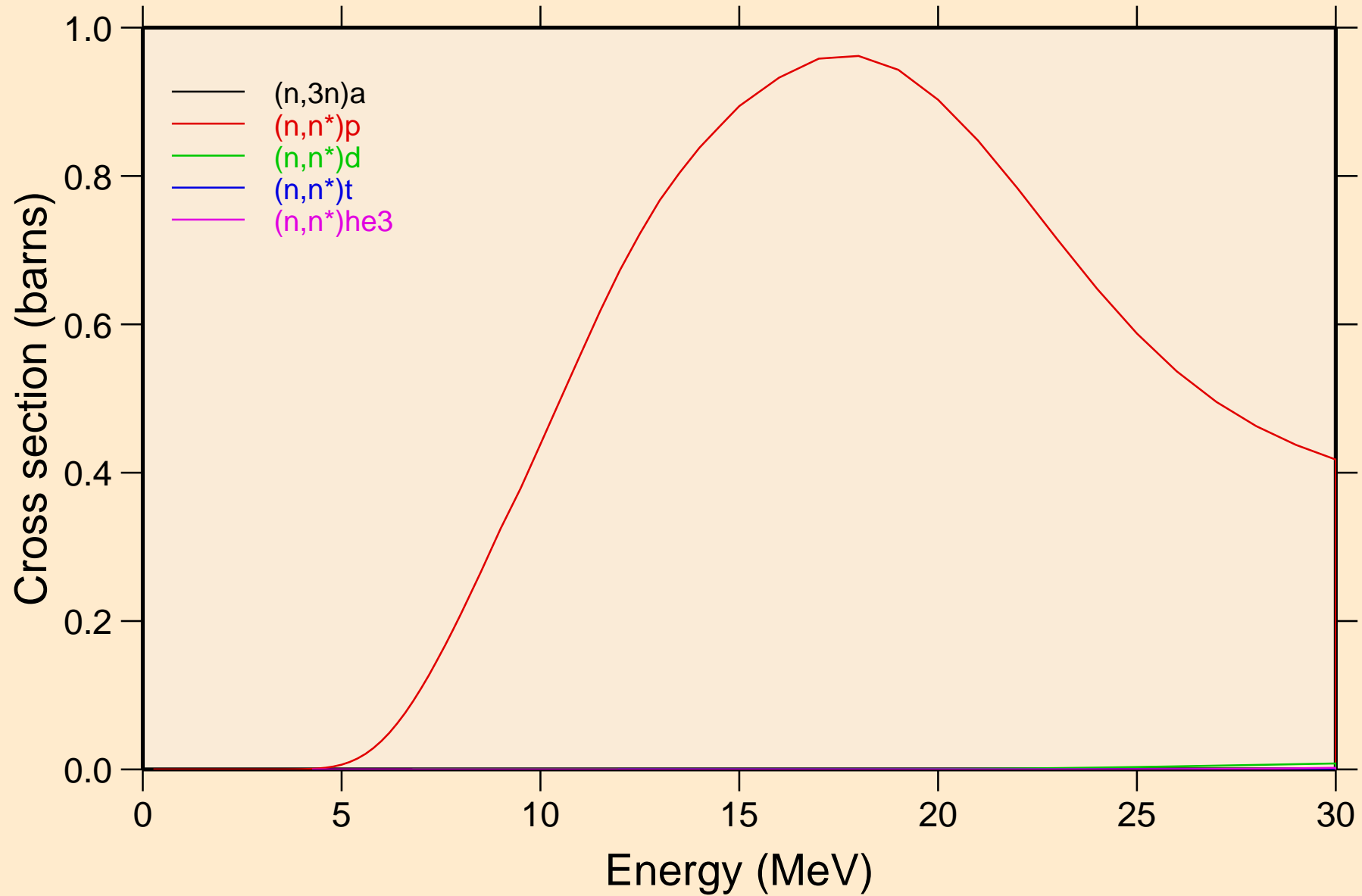
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Inelastic levels



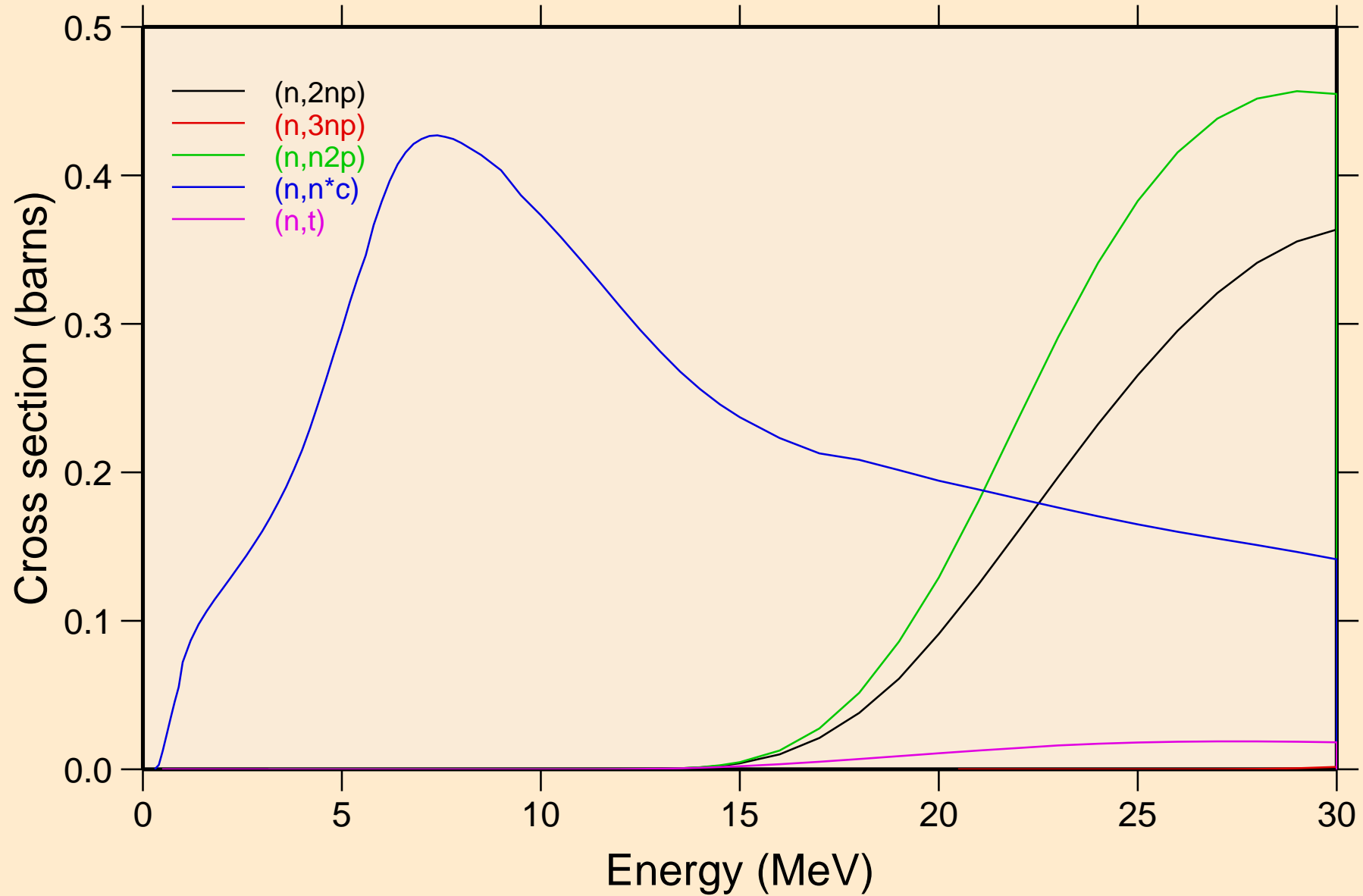
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



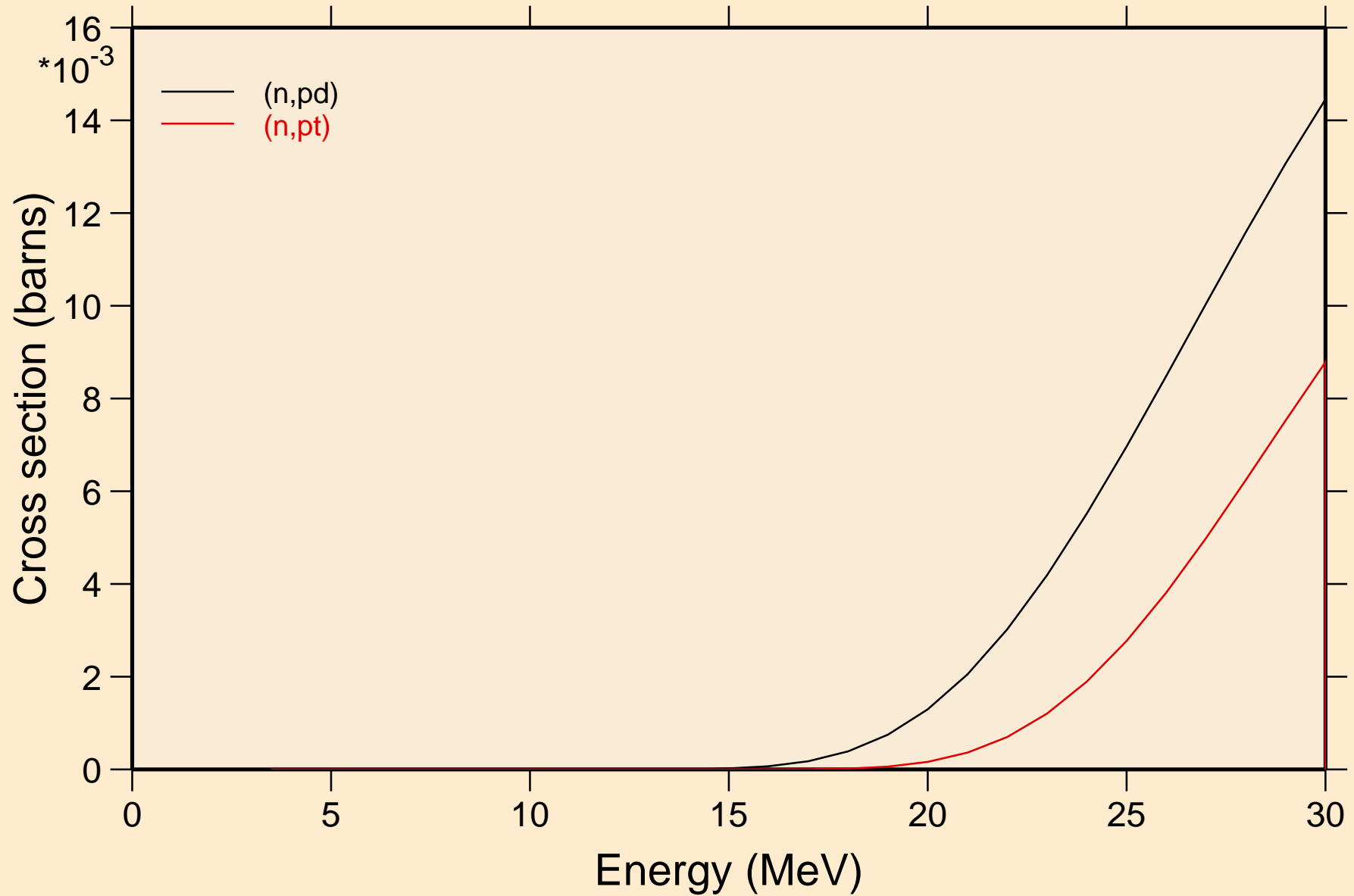
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Threshold reactions



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

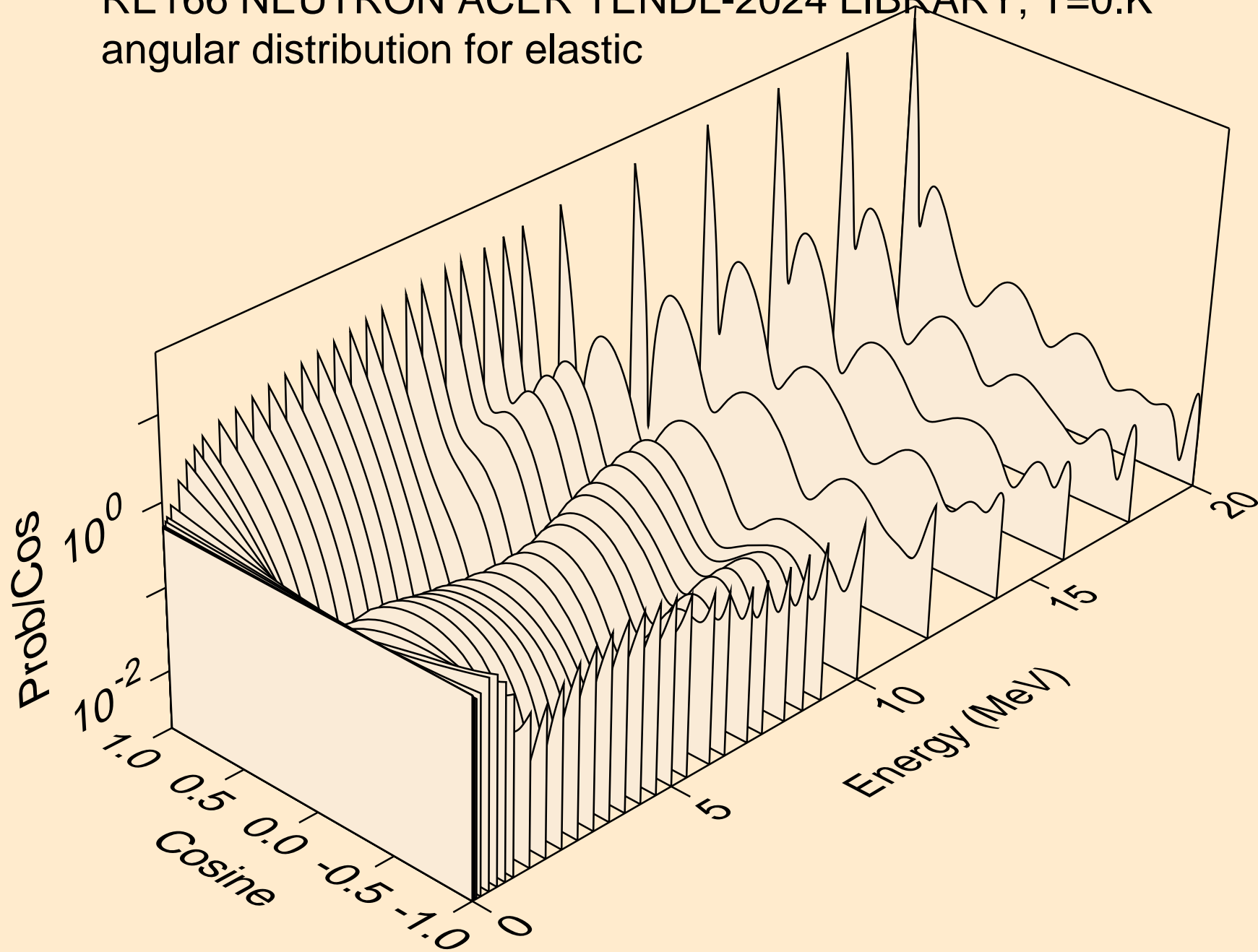


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

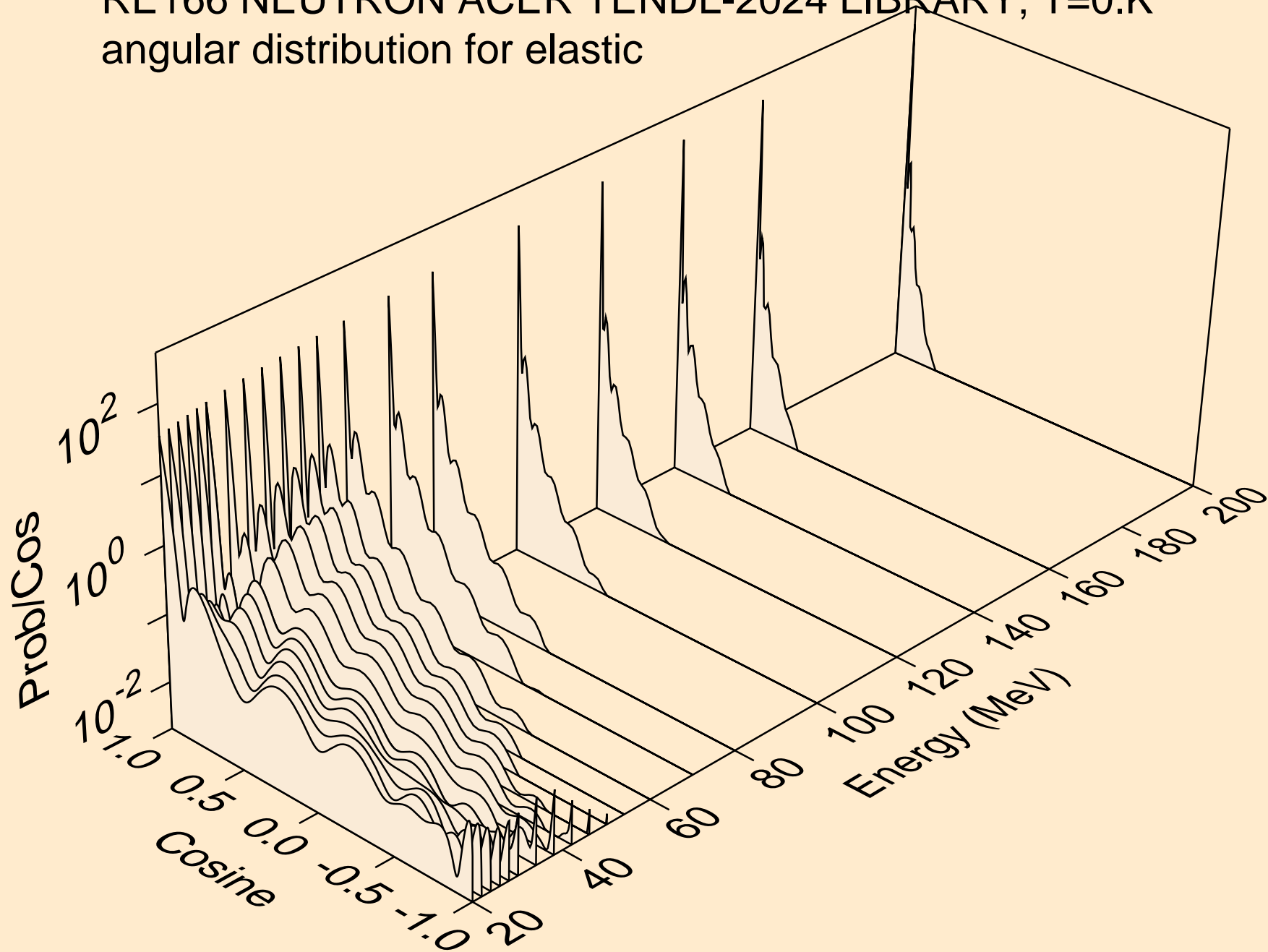




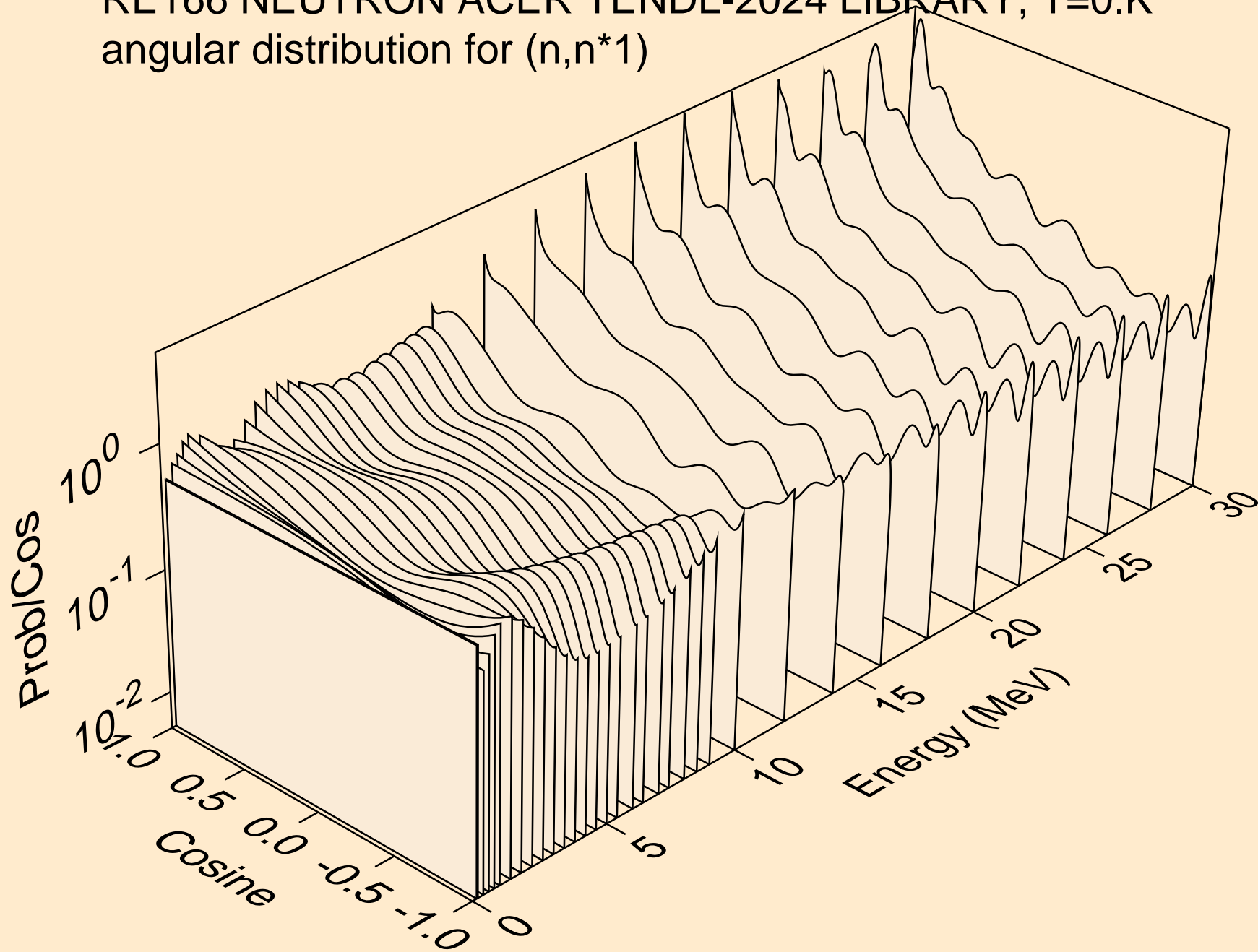
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



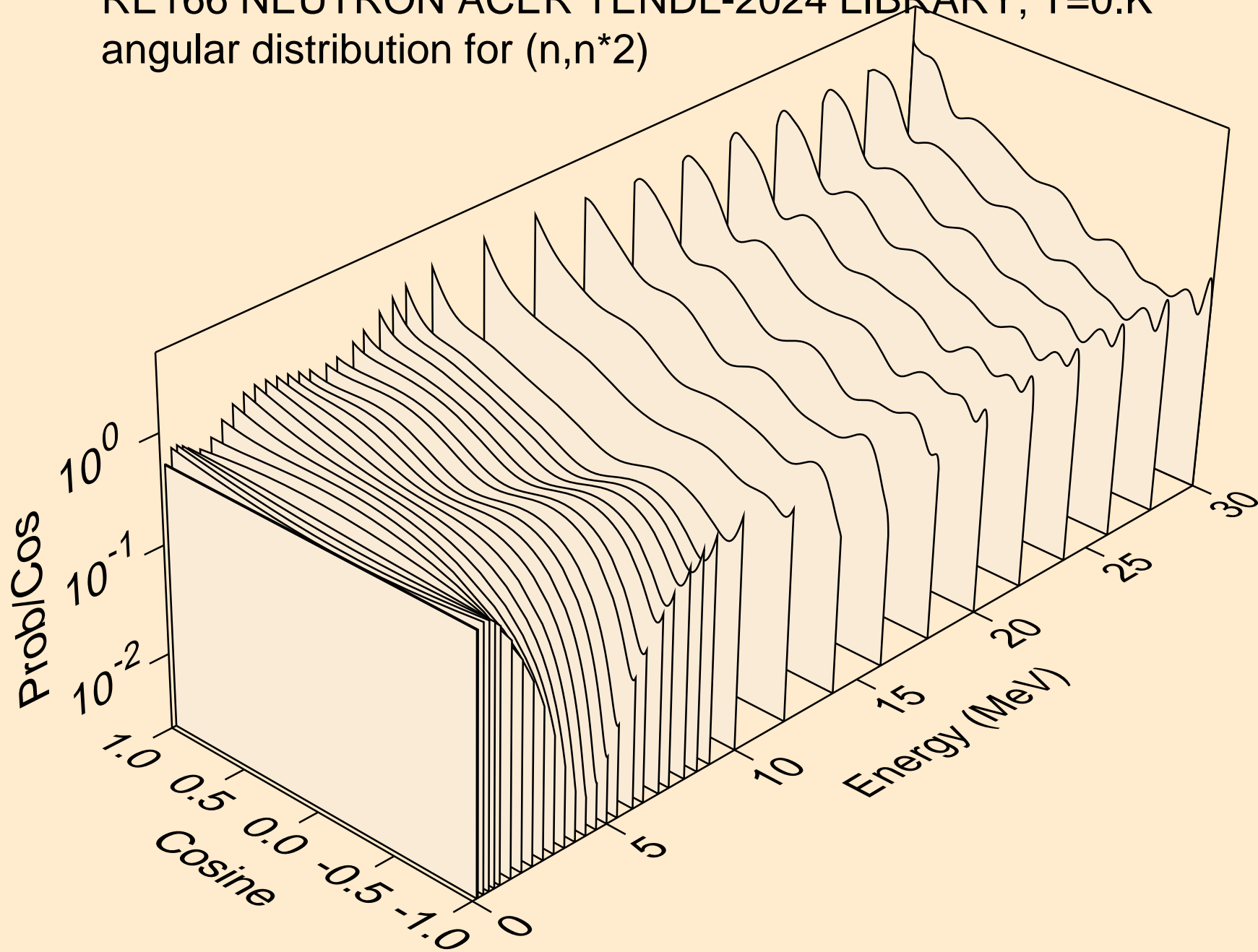
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angular distribution for elastic



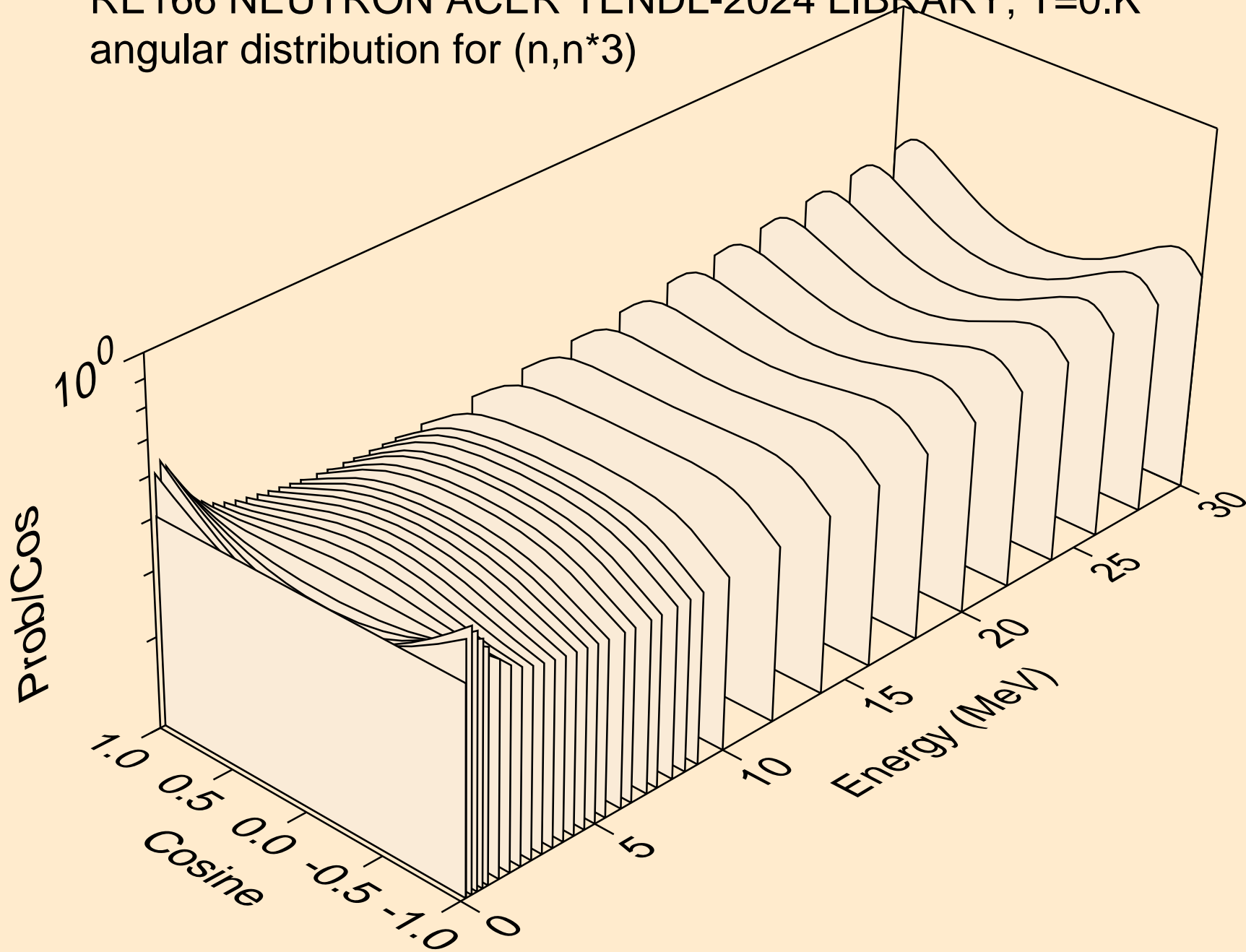
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



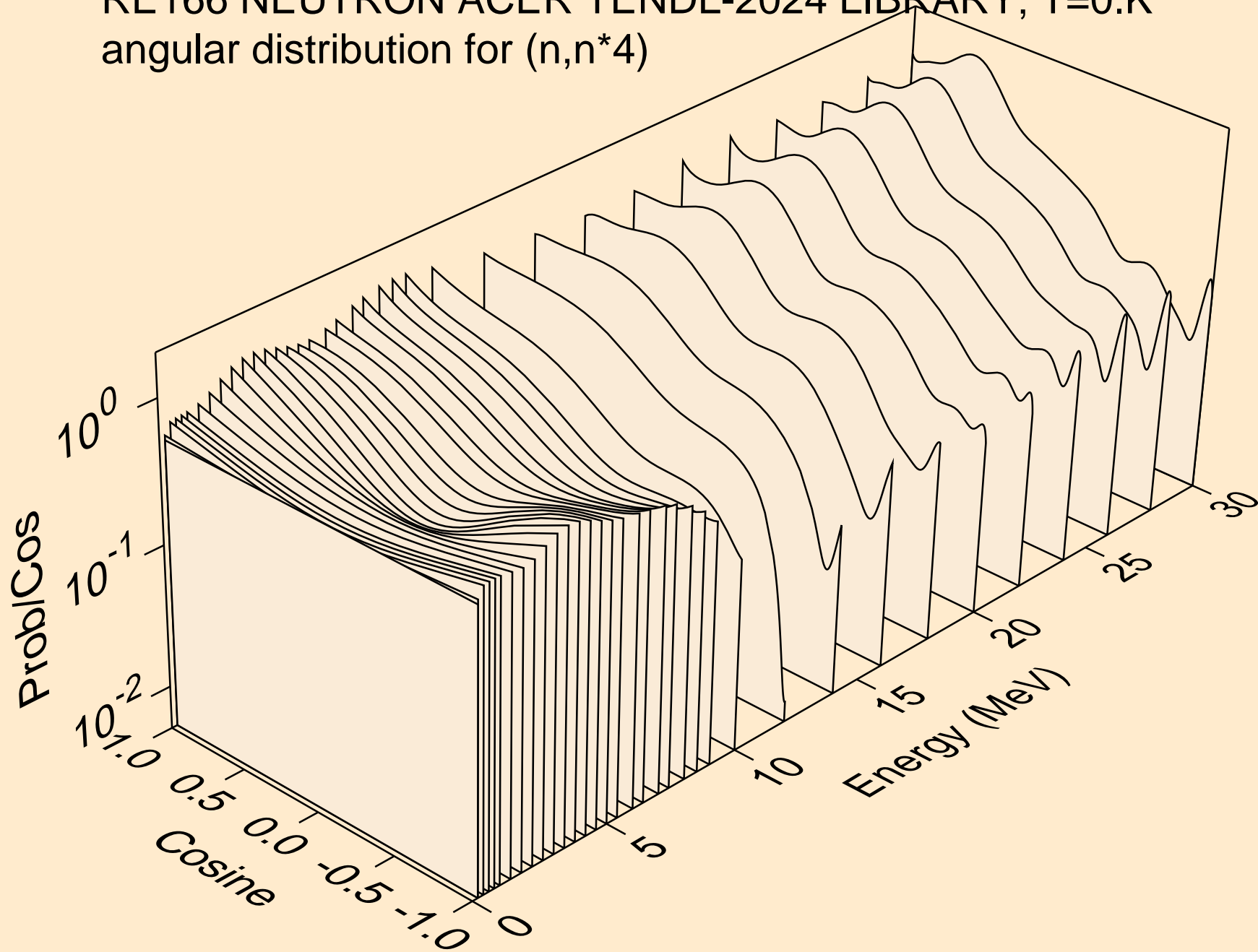
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angular distribution for (n,n\*2)



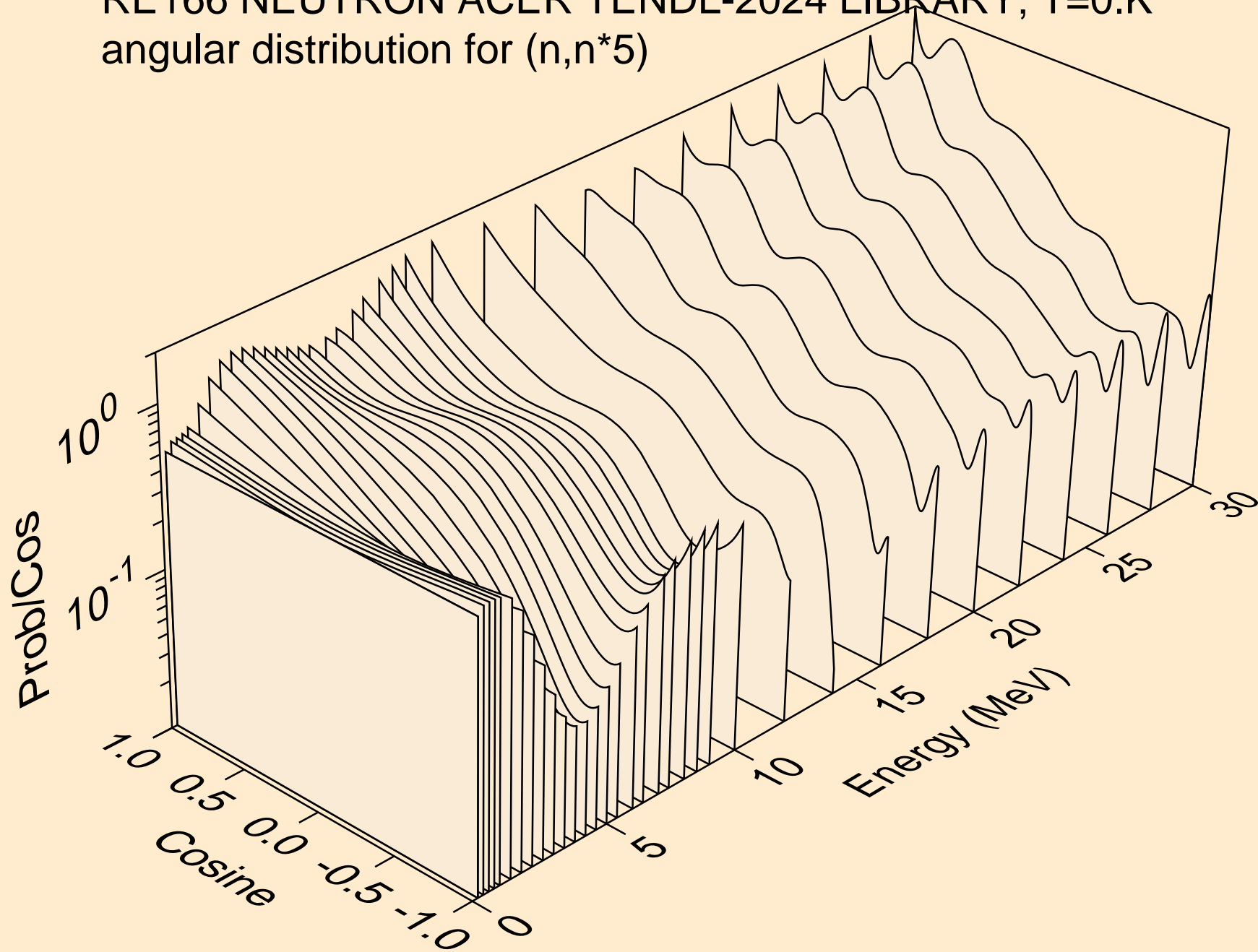
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angular distribution for (n,n\*3)



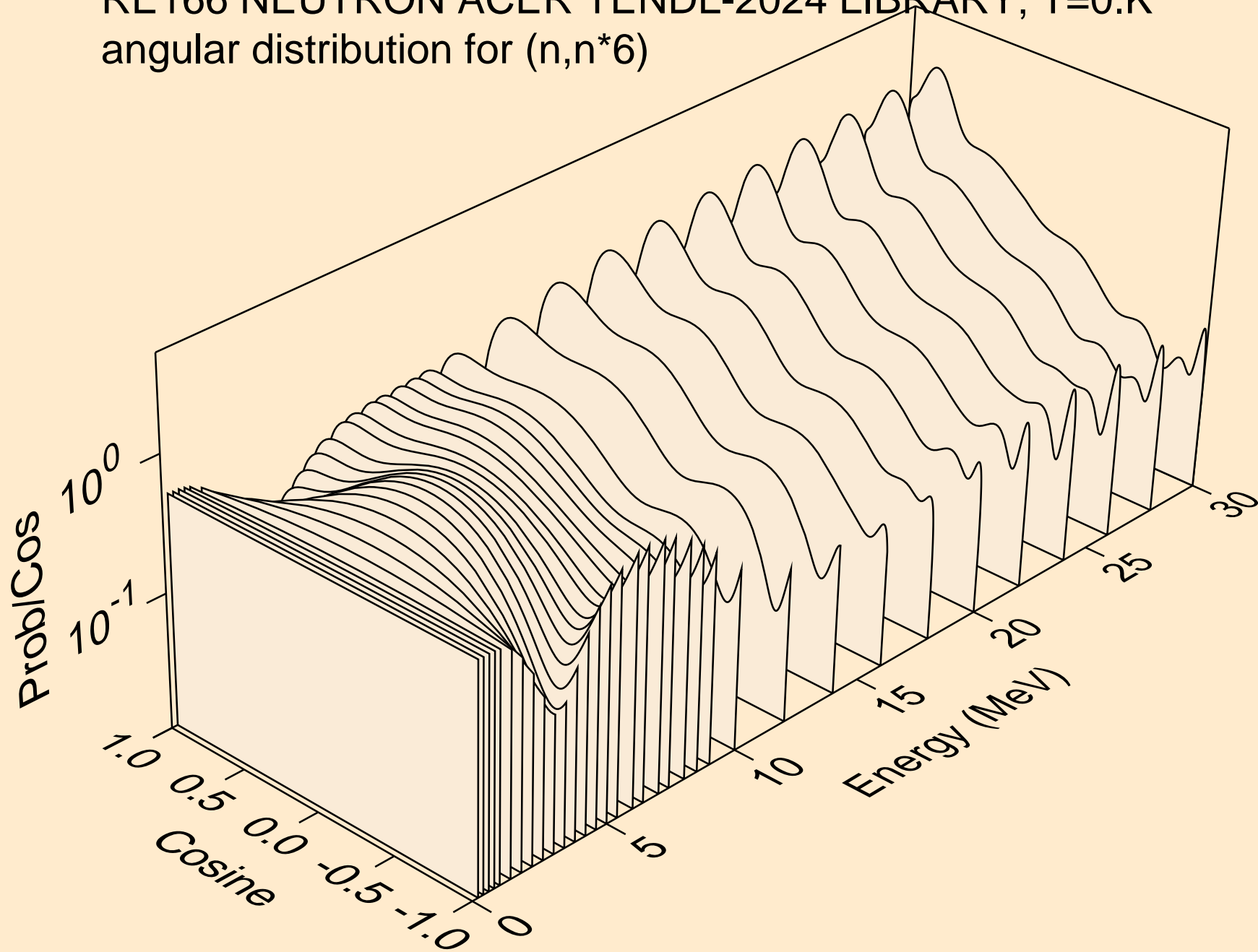
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

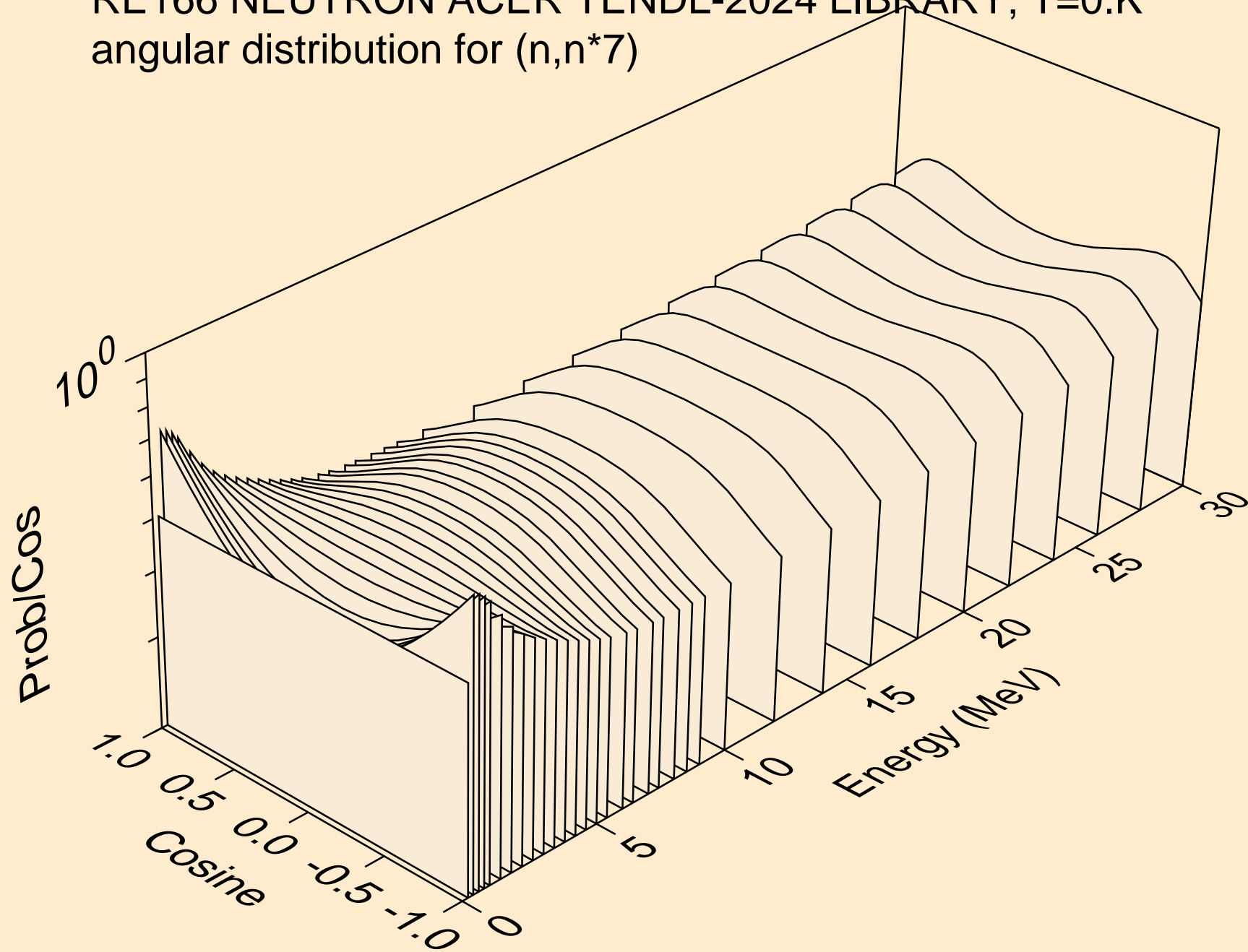


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angular distribution for (n,n\*6)

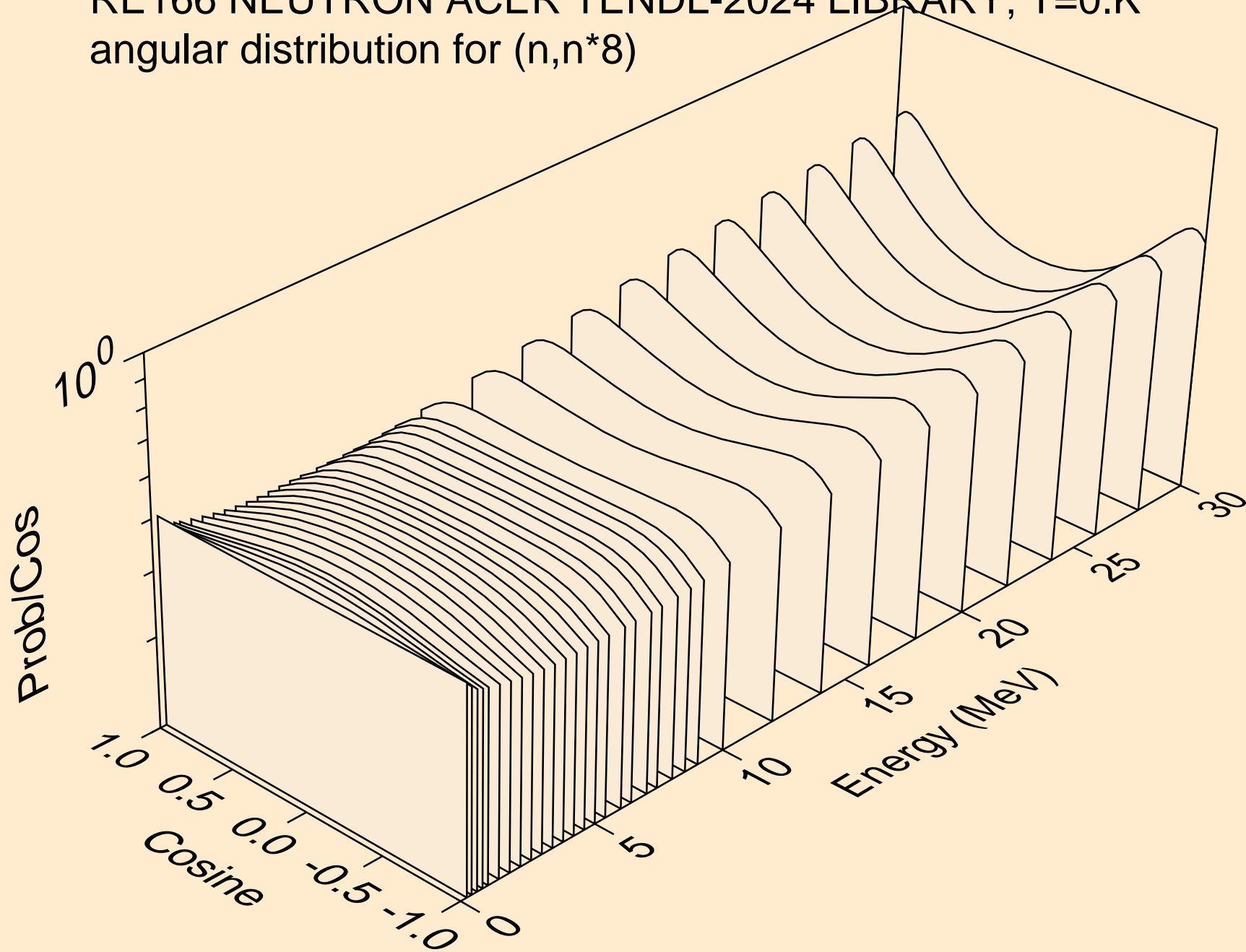




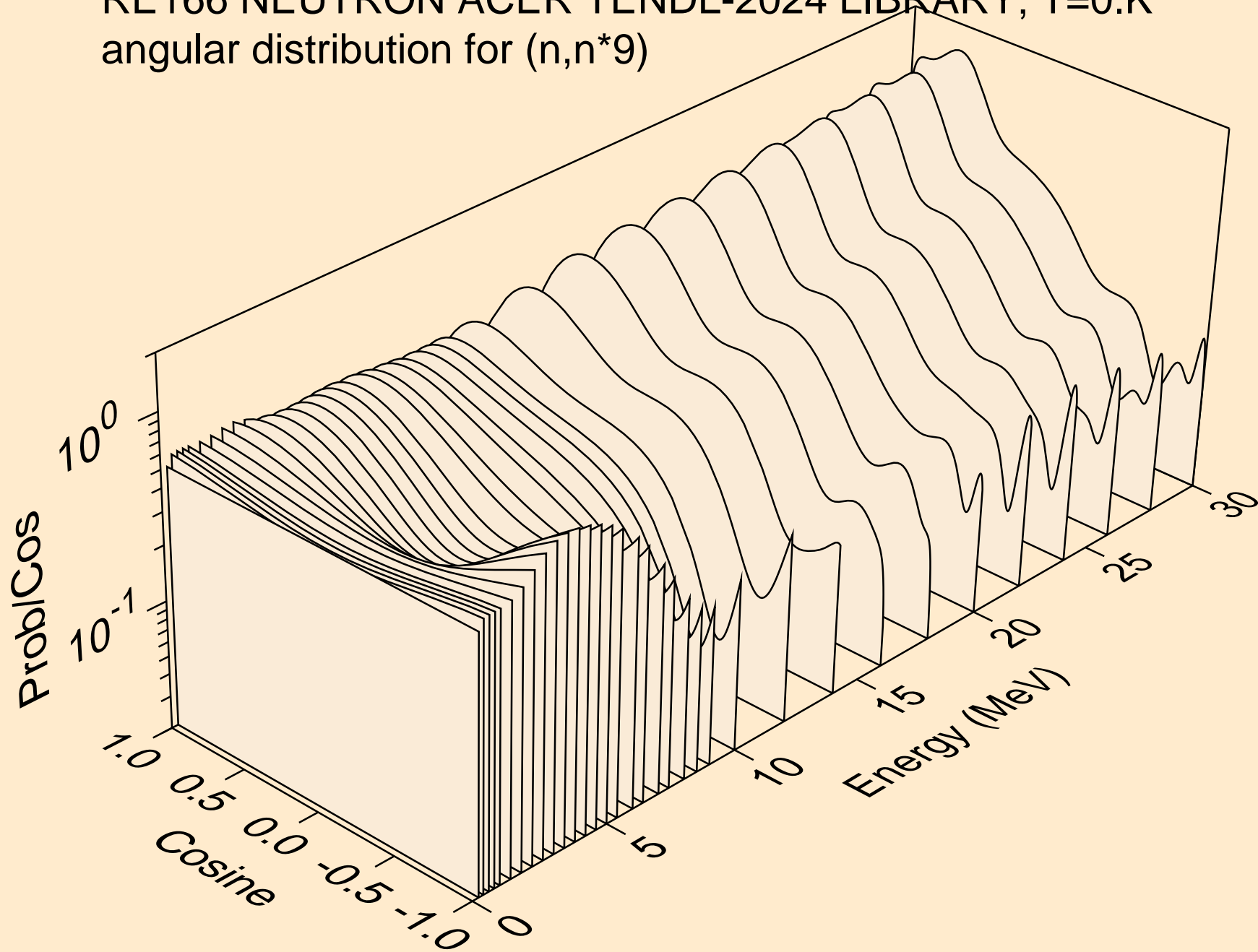
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angular distribution for (n,n\*7)



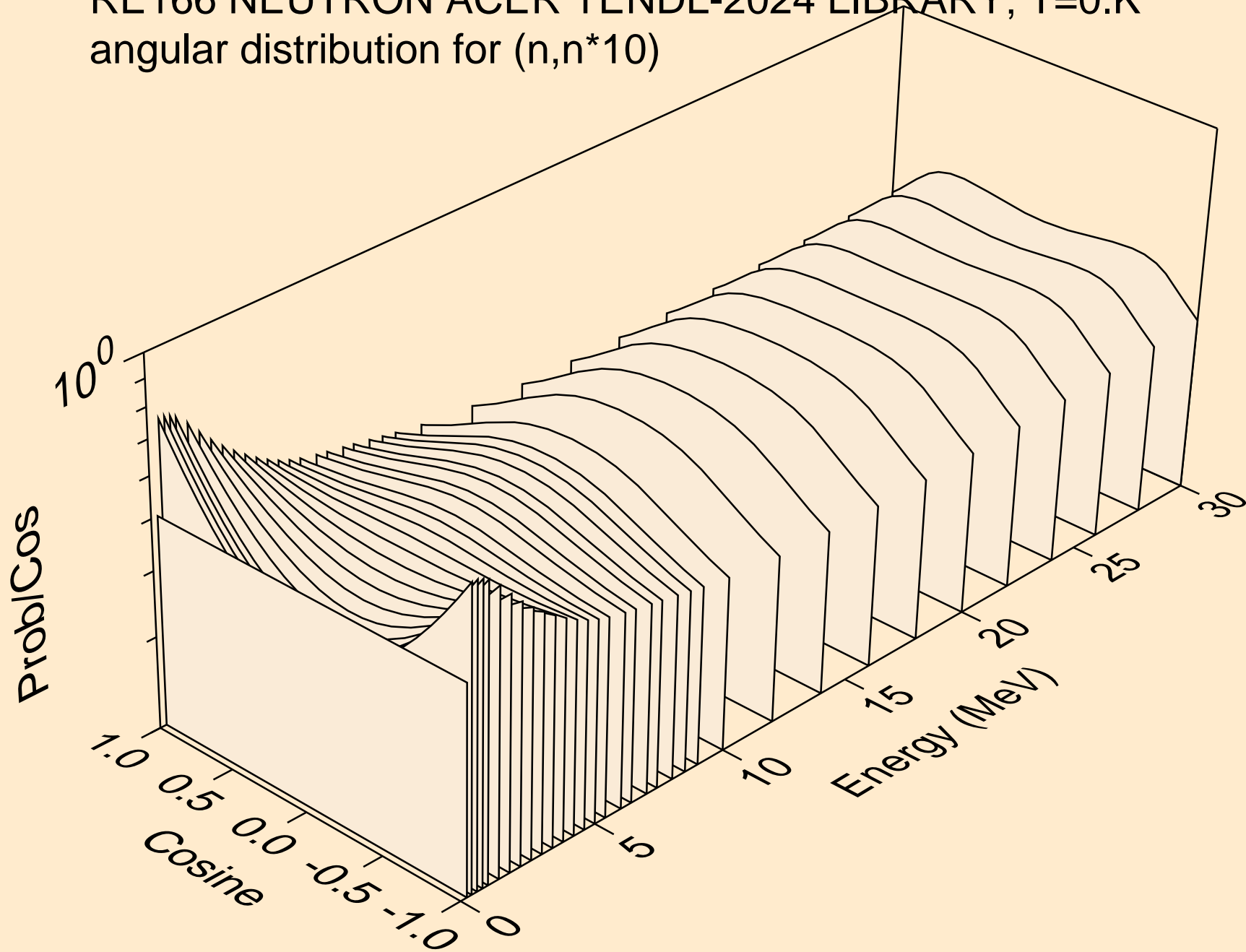
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angular distribution for (n,n\*8)



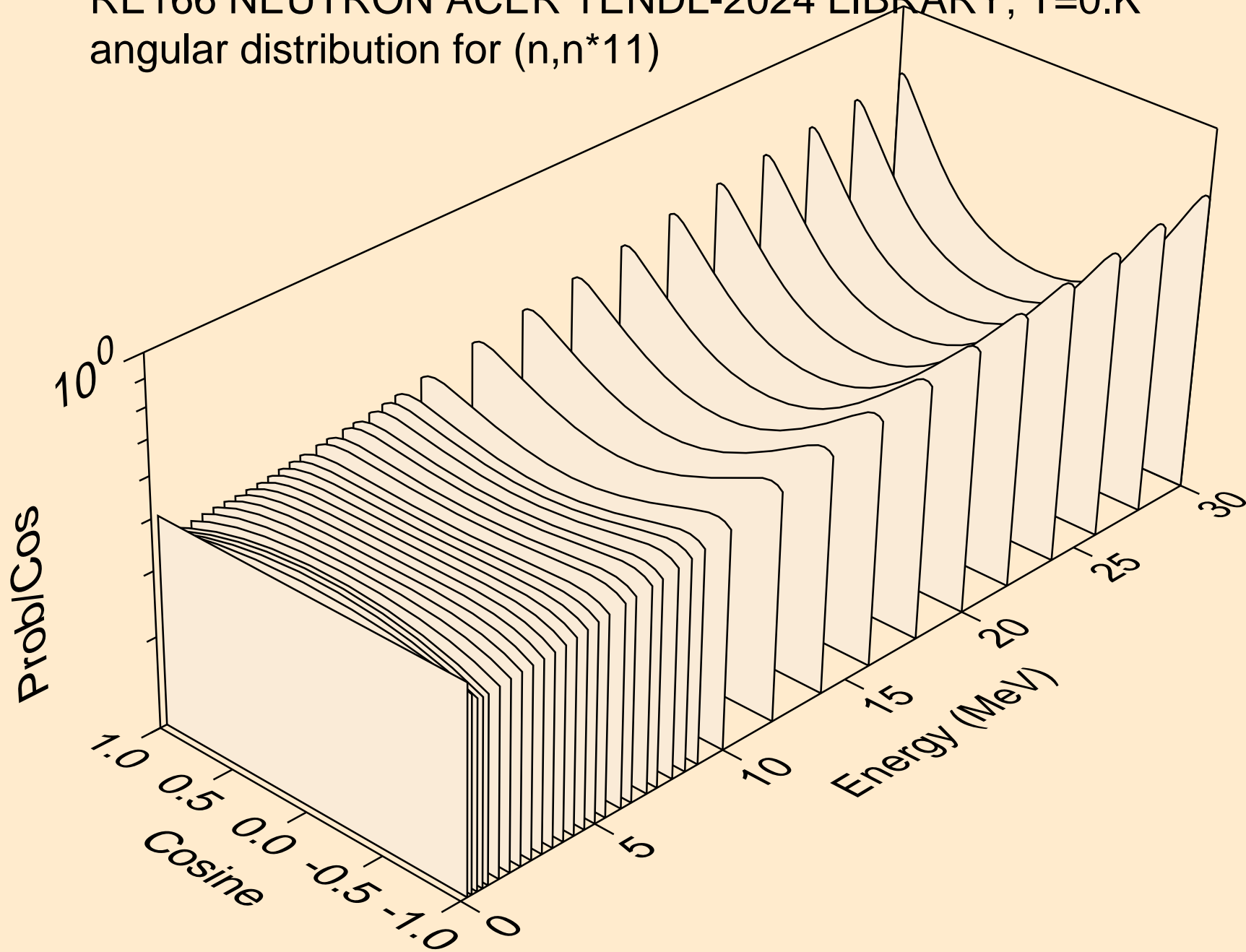
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angular distribution for (n,n\*9)



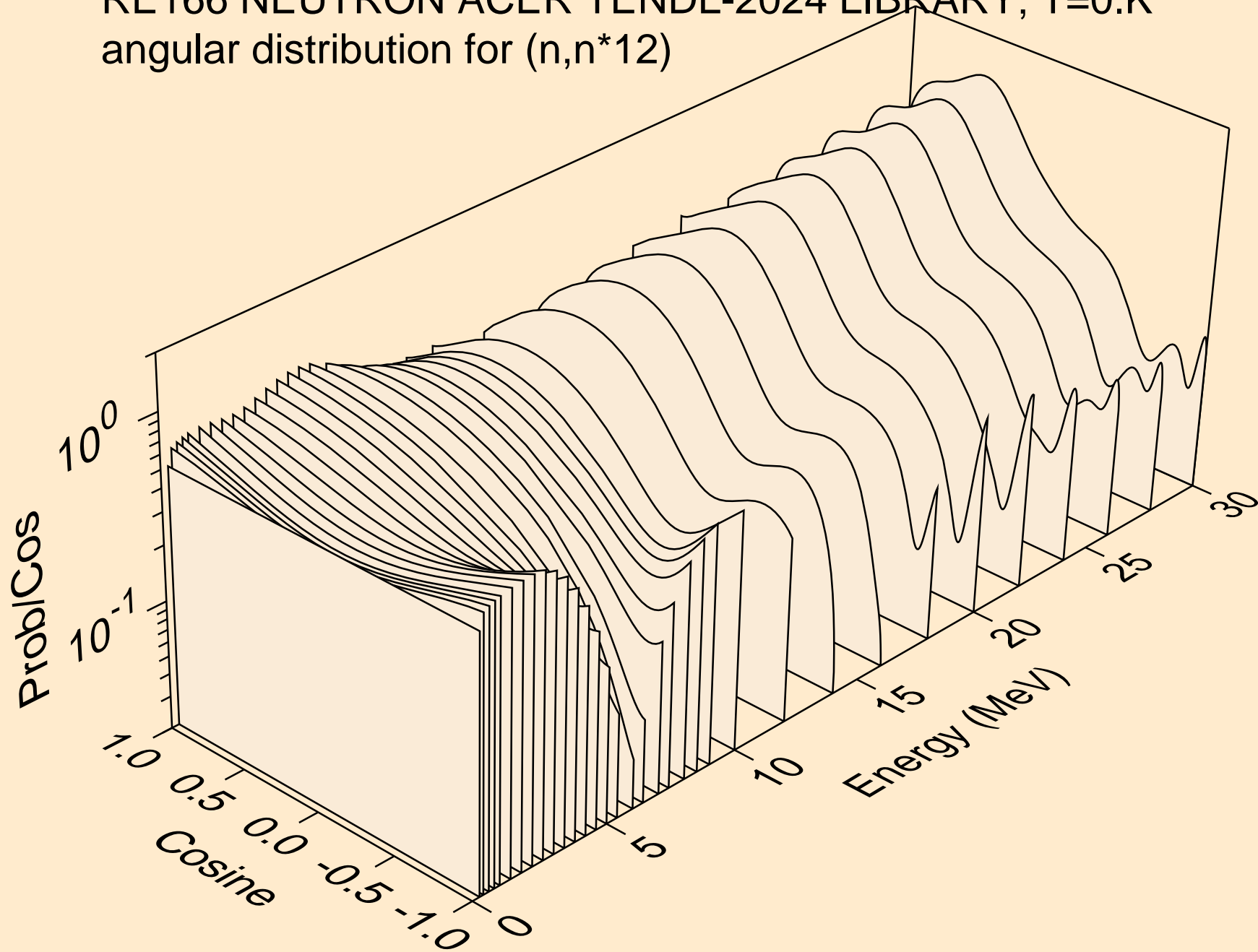
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angular distribution for (n,n\*10)



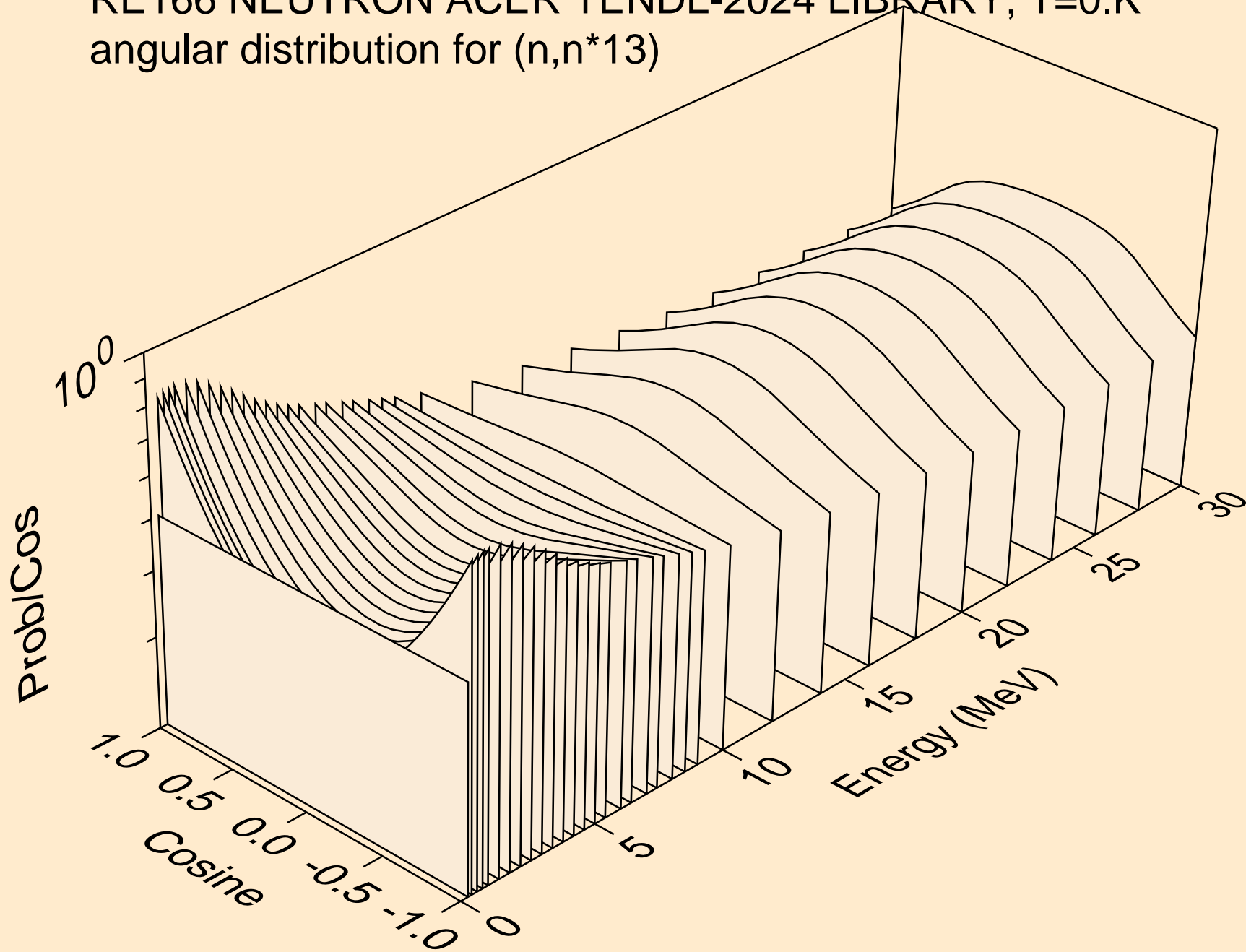
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angular distribution for (n,n\*11)



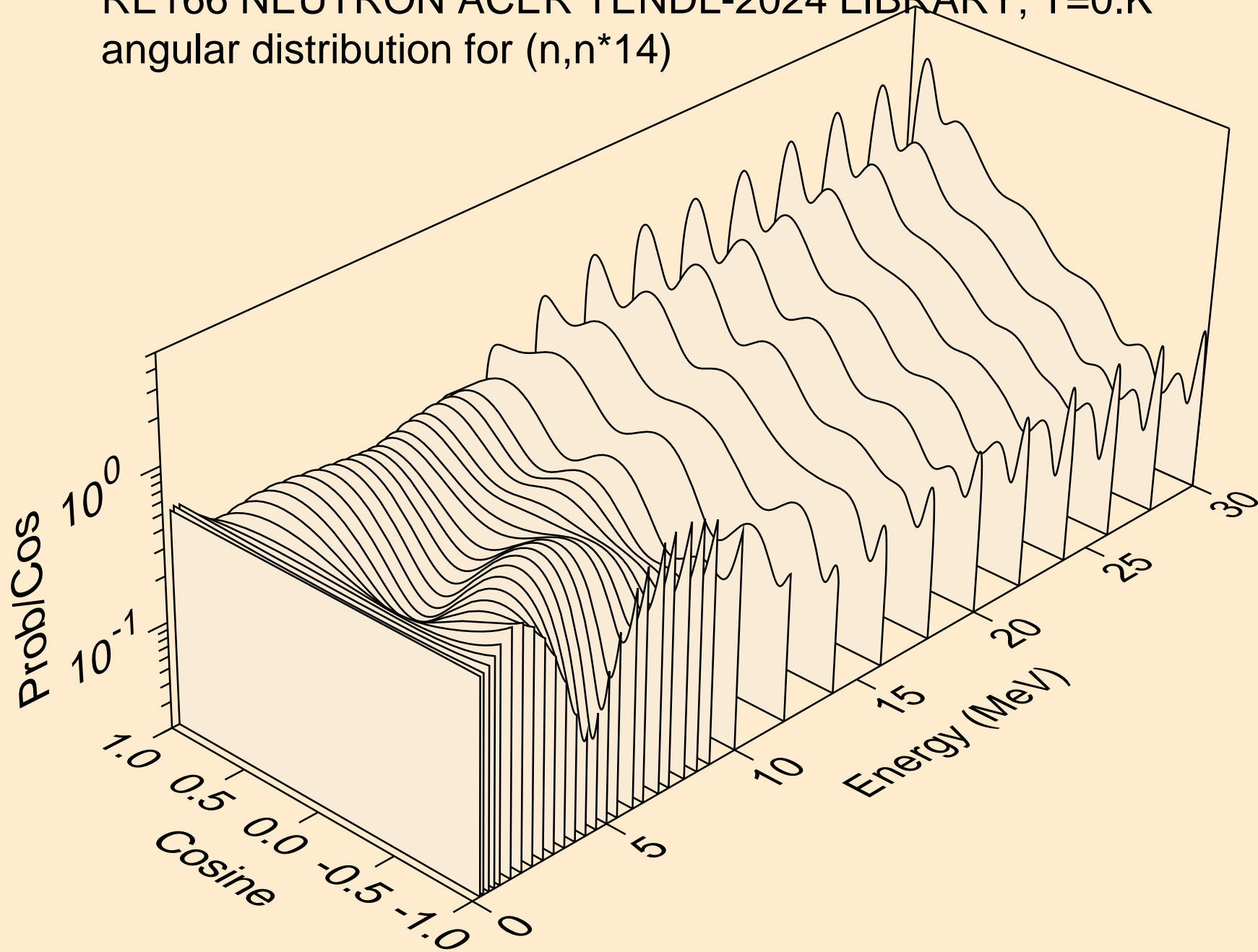
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

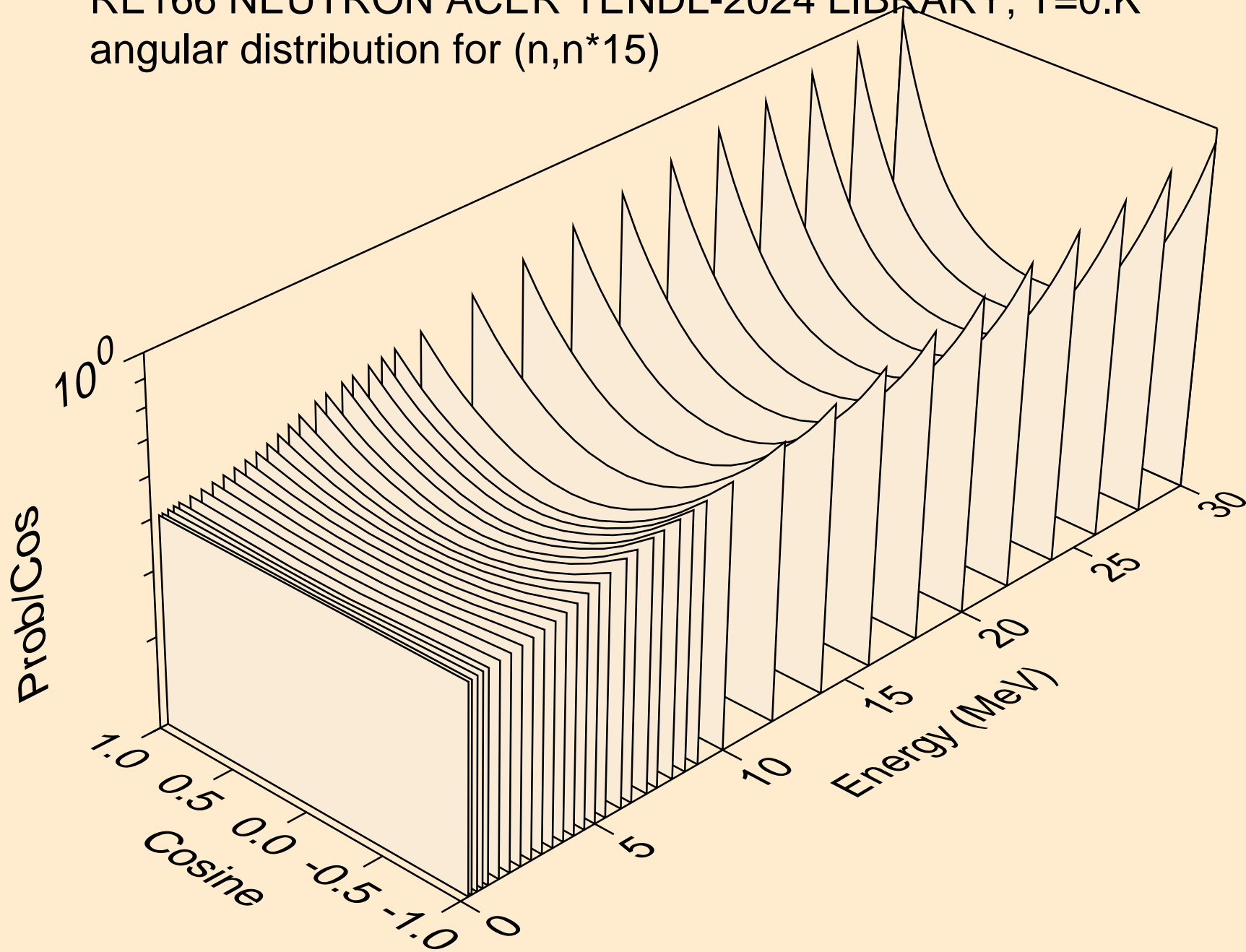


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angular distribution for (n,n\*14)

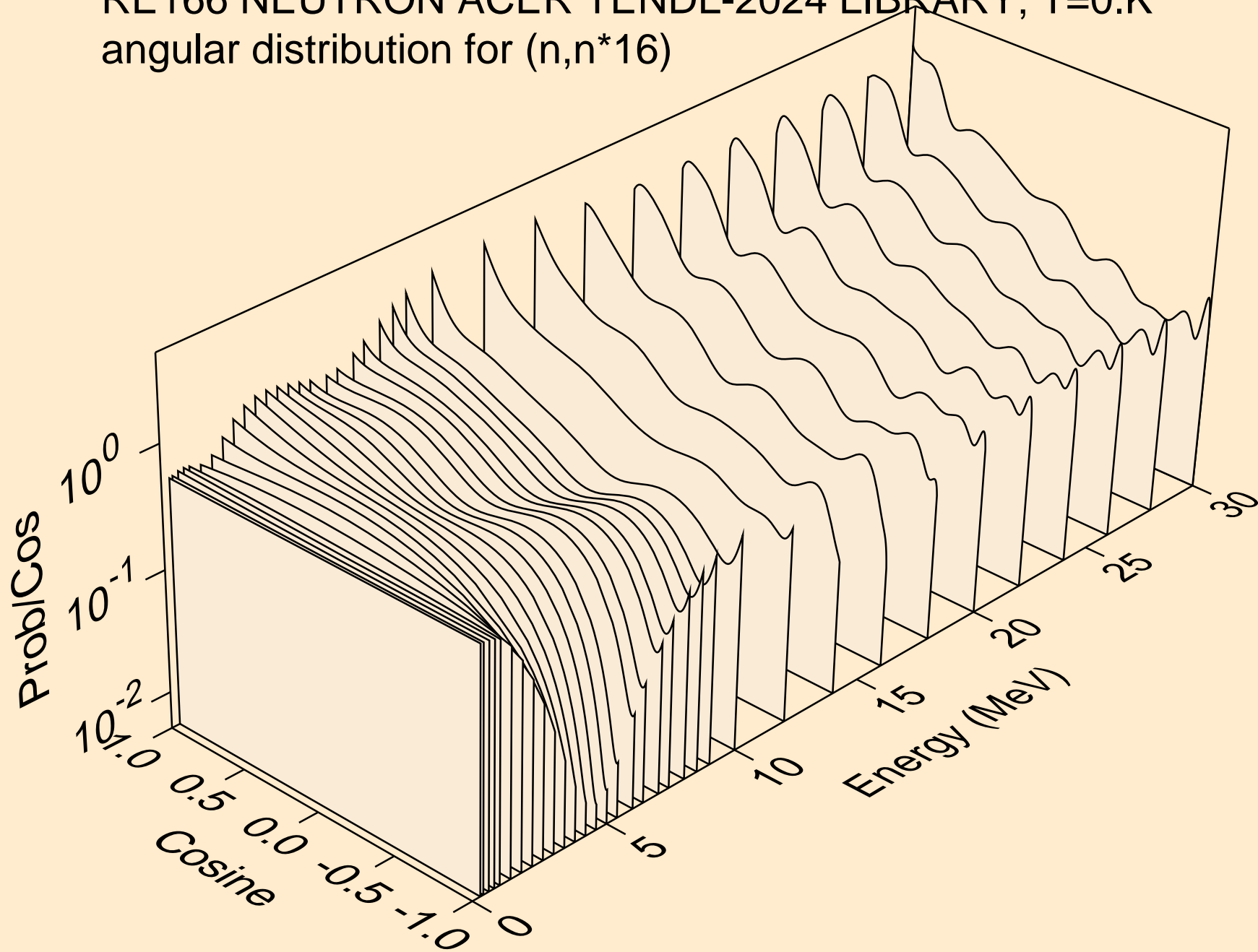




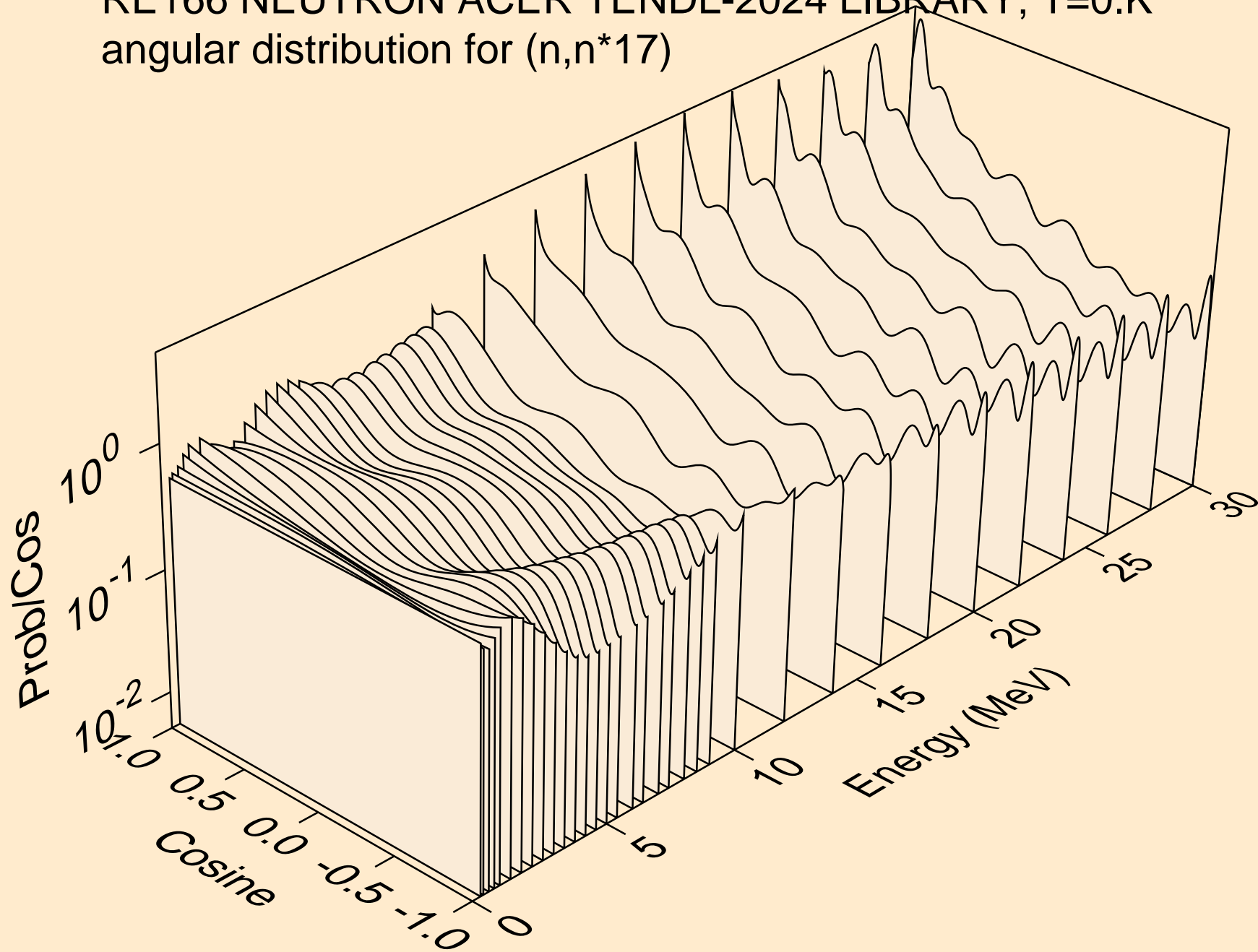
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angular distribution for (n,n\*15)



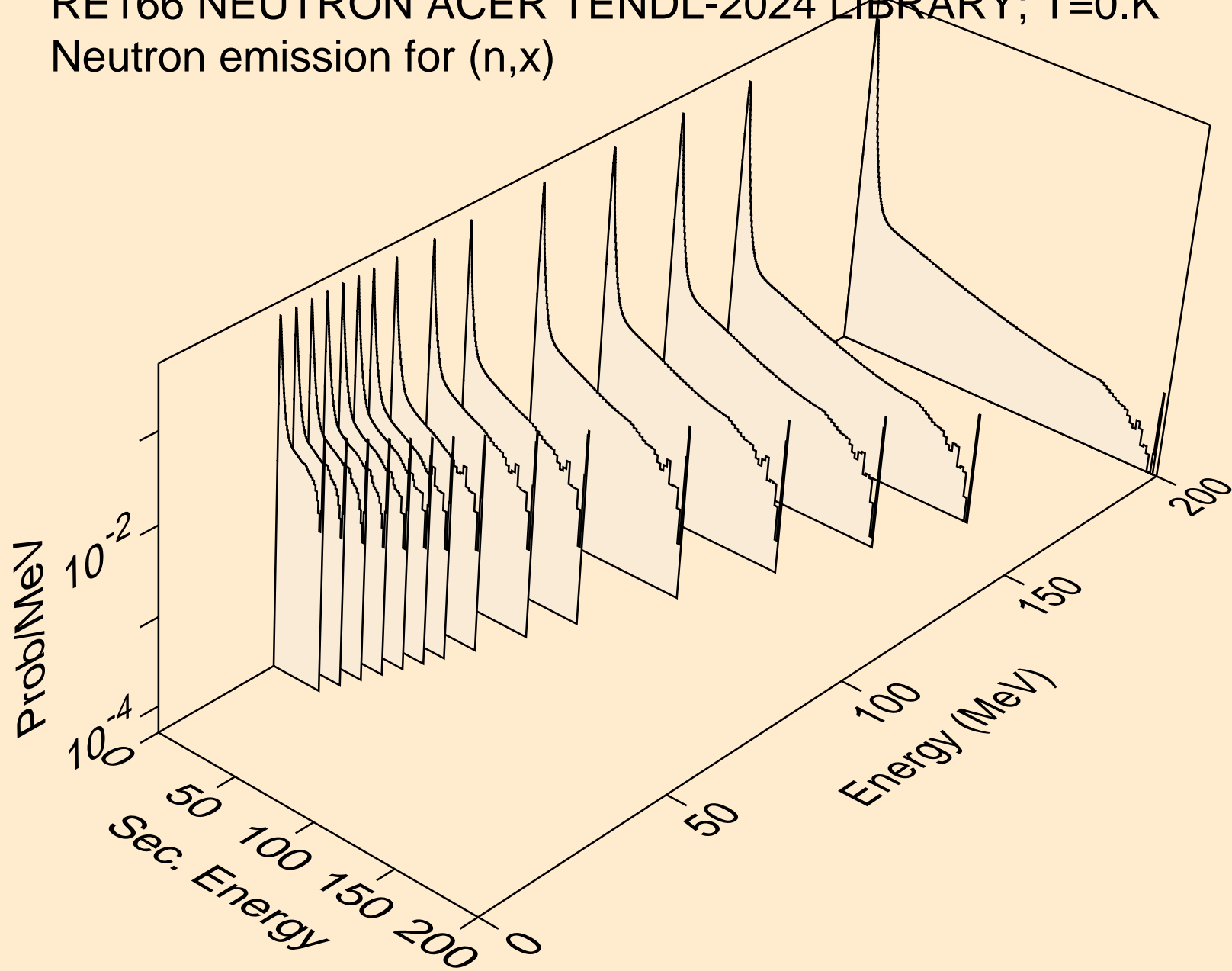
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angular distribution for (n,n\*16)



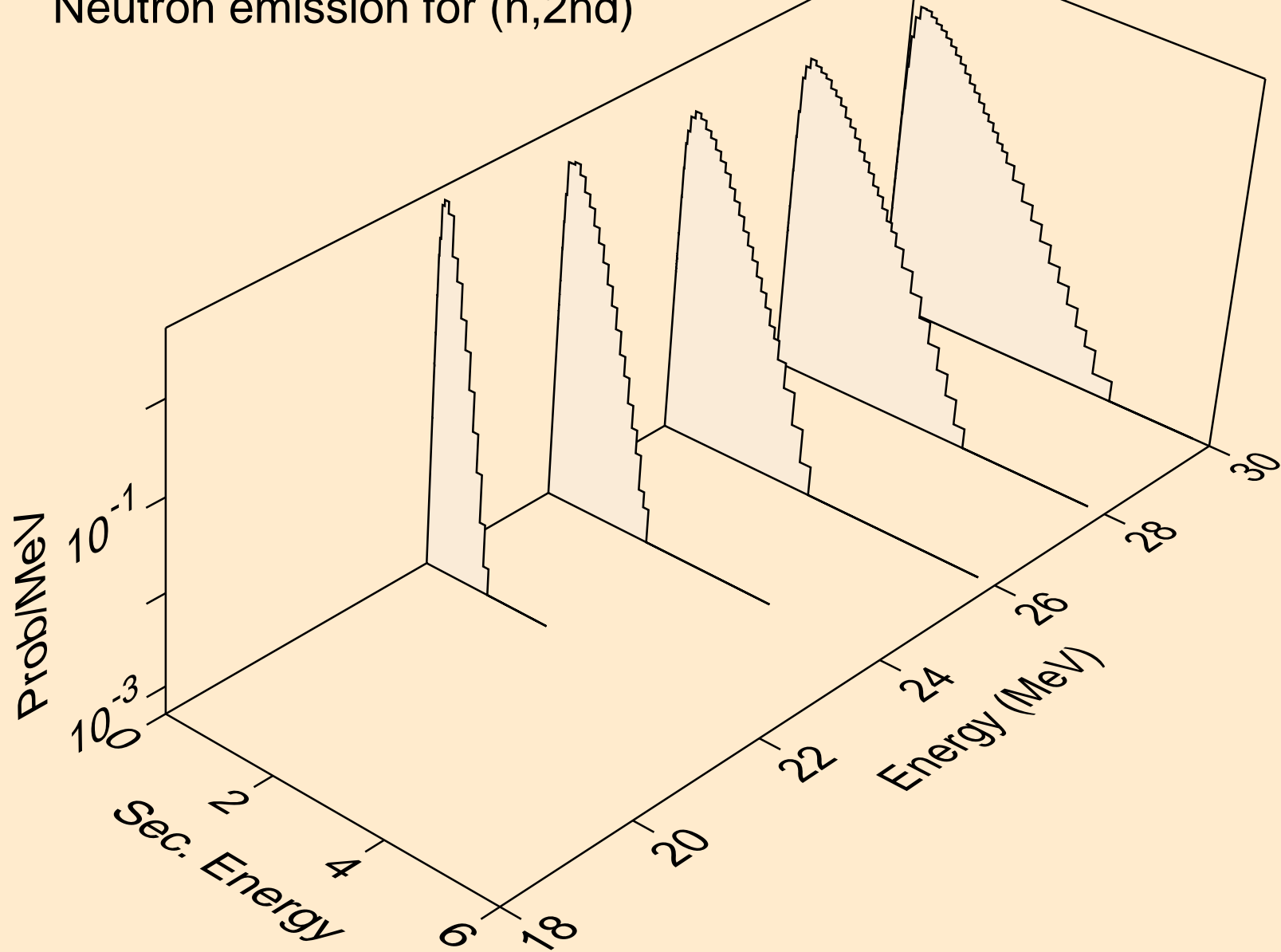
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angular distribution for (n,n\*17)



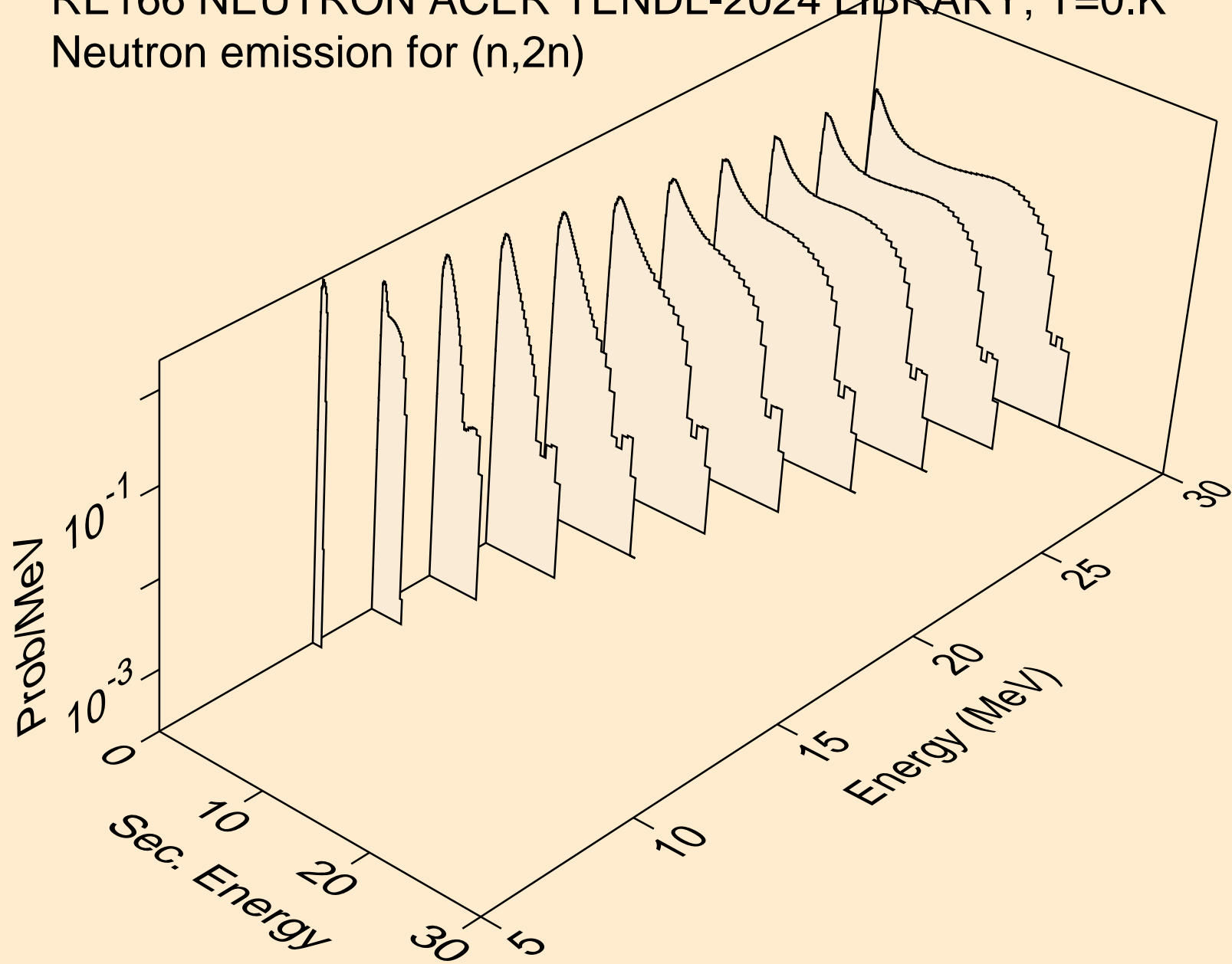
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Neutron emission for (n,x)



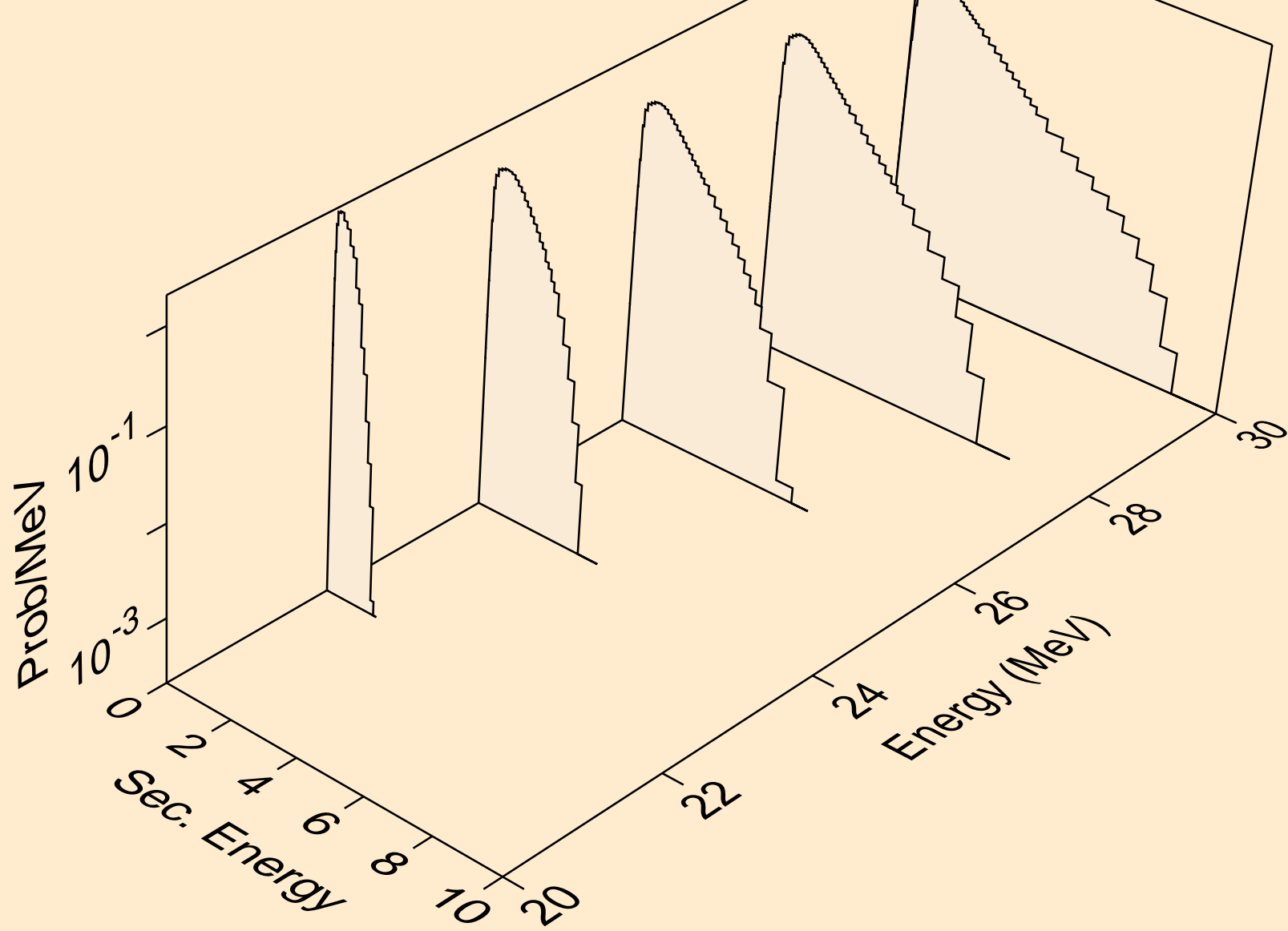
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



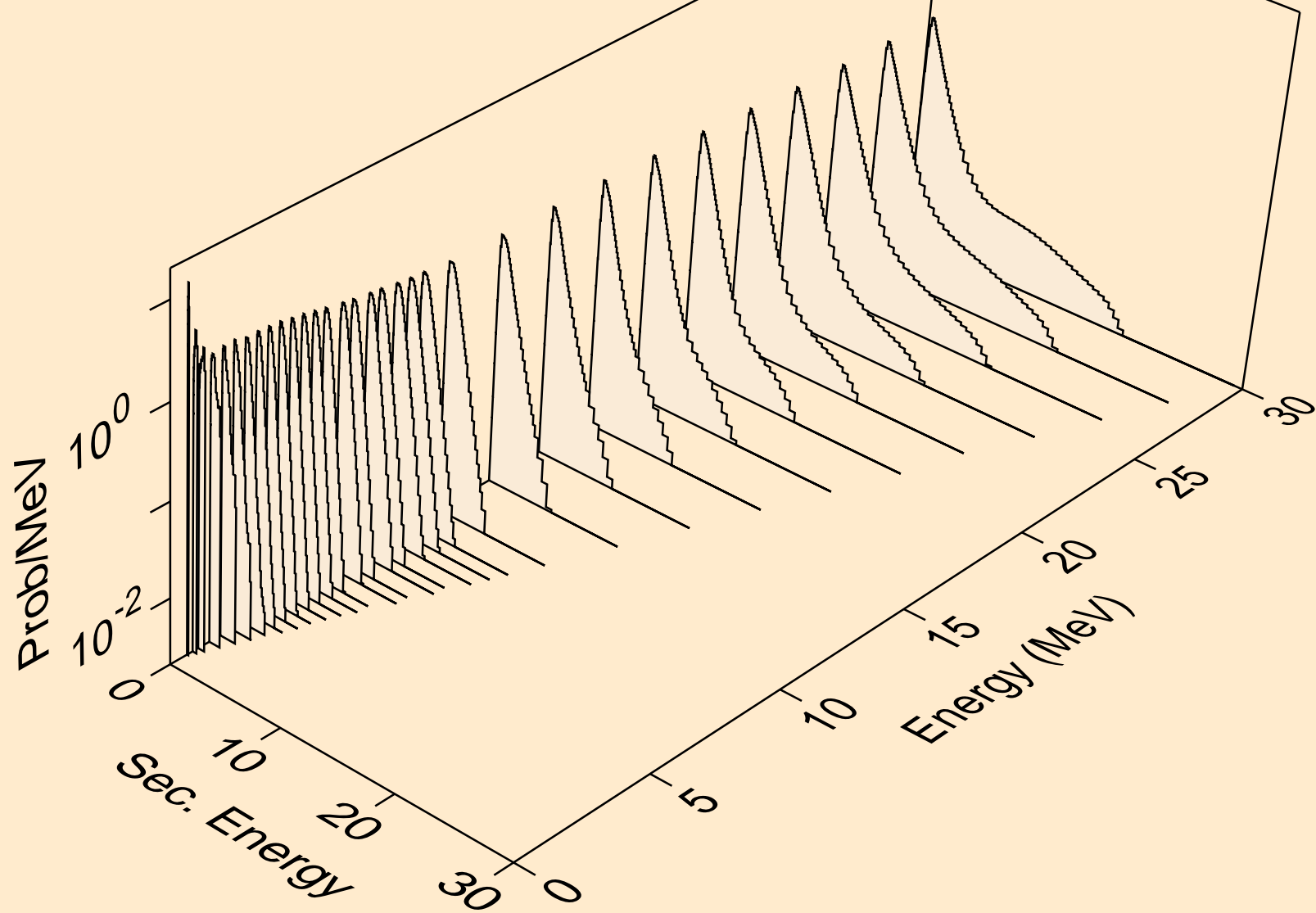
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

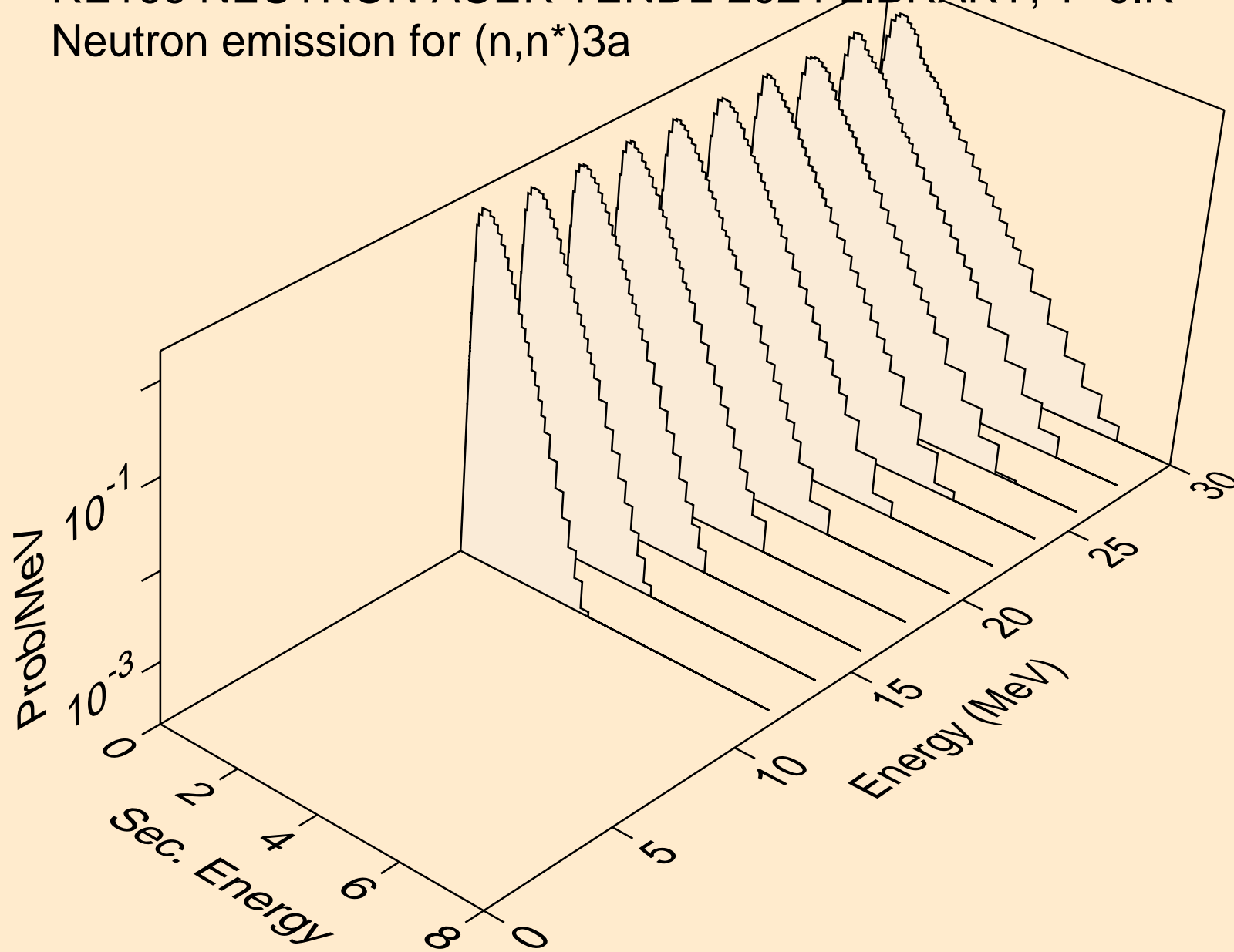


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

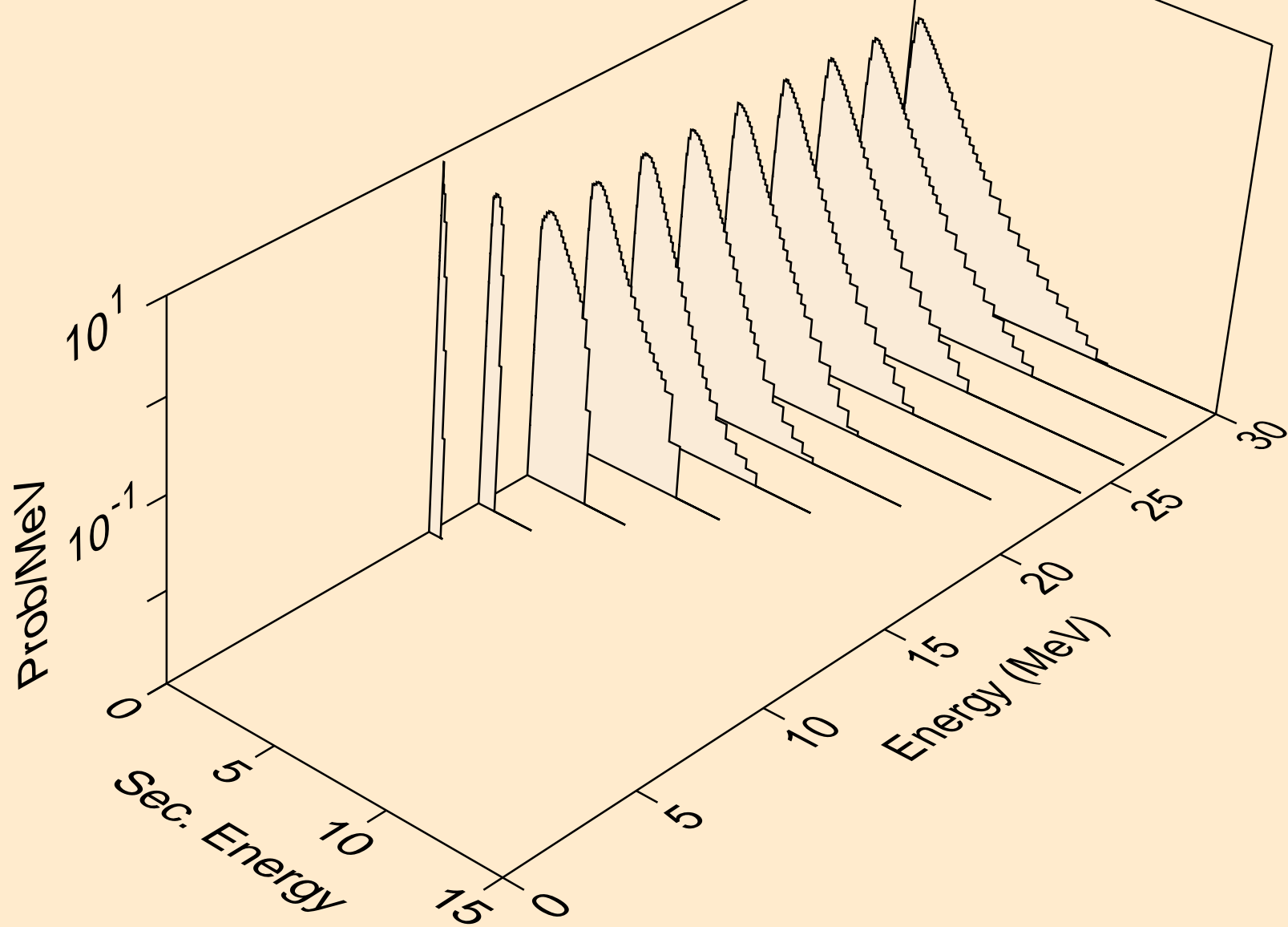




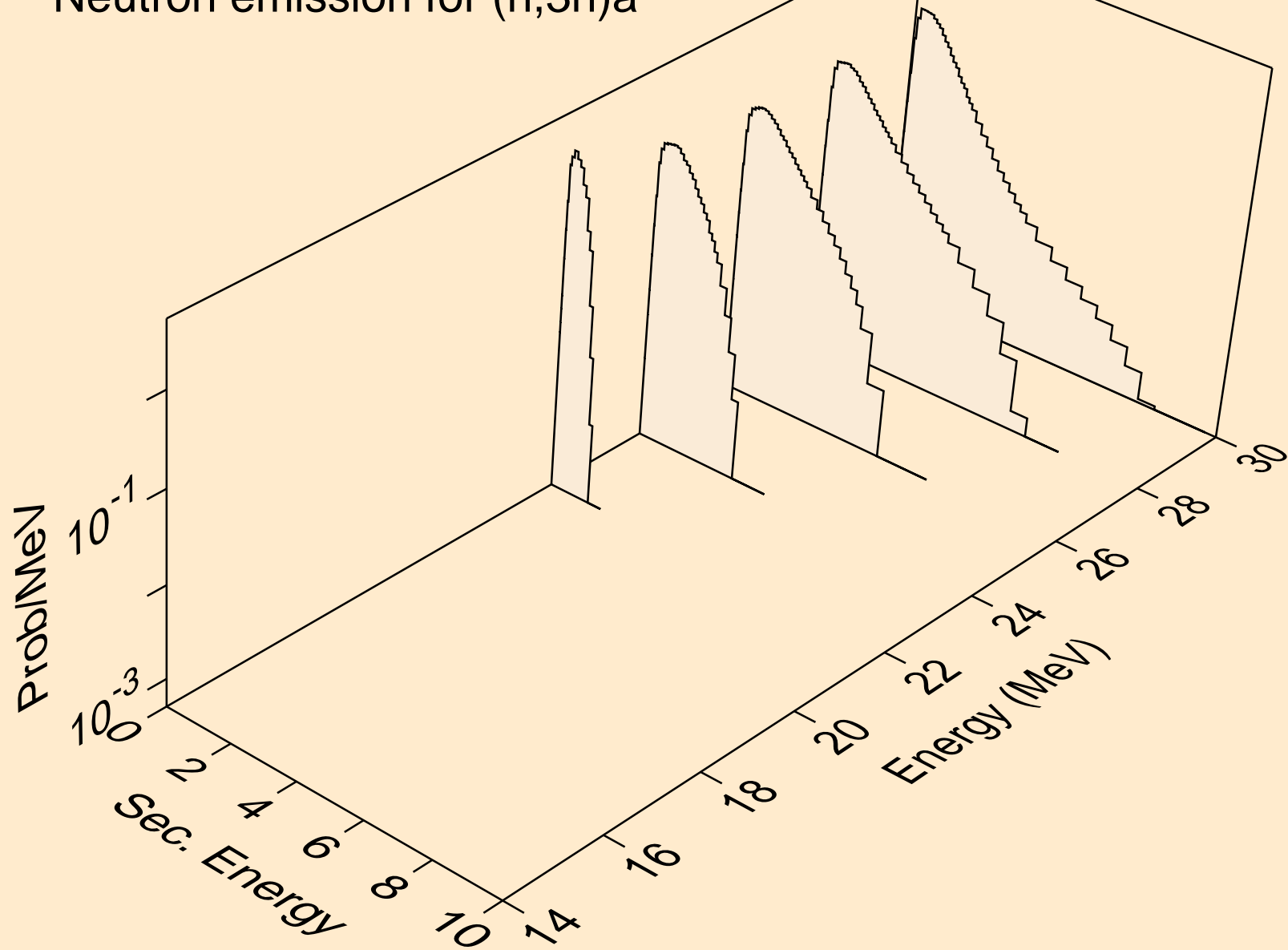
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Neutron emission for (n,n\*)3a



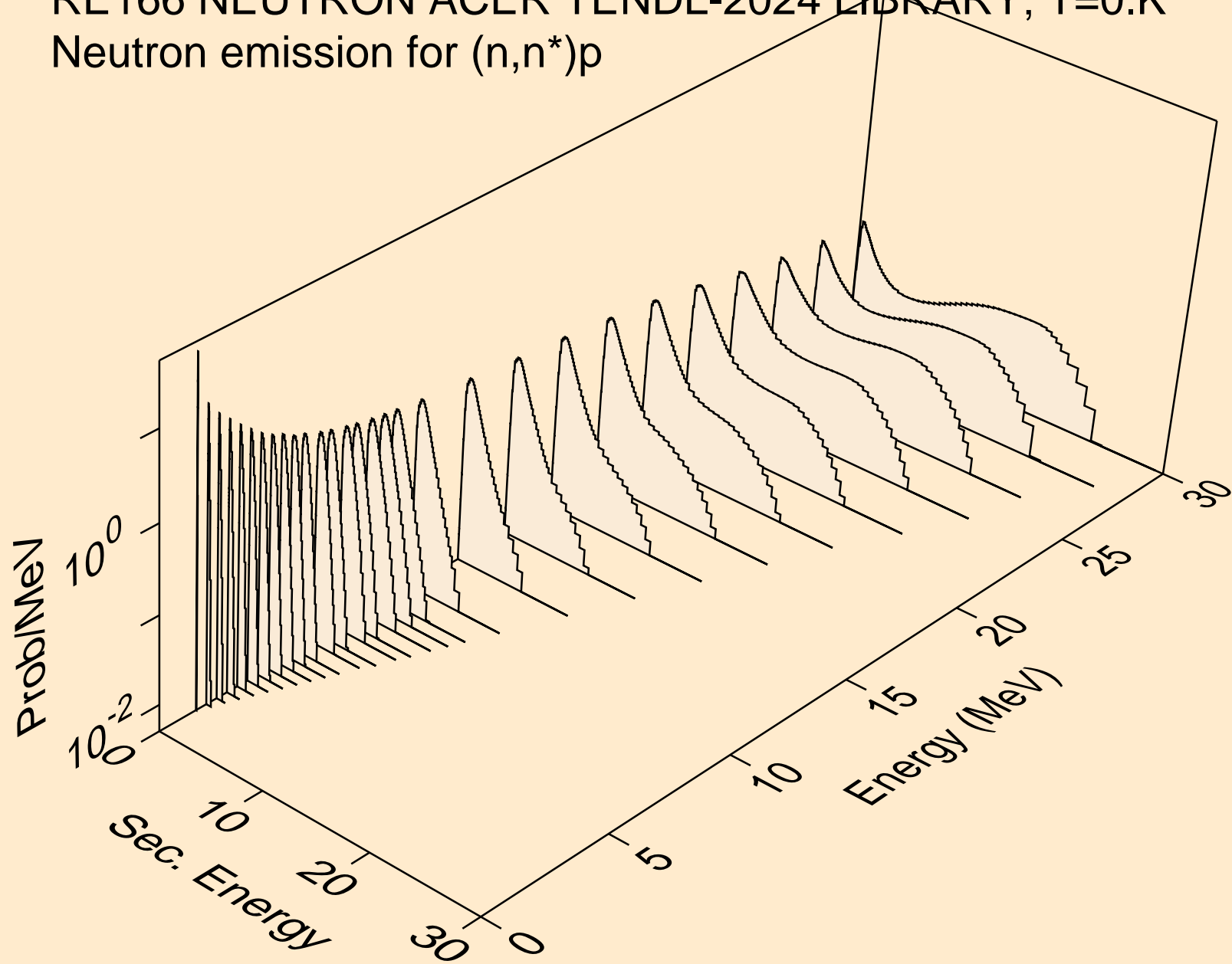
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Neutron emission for (n,2n)a



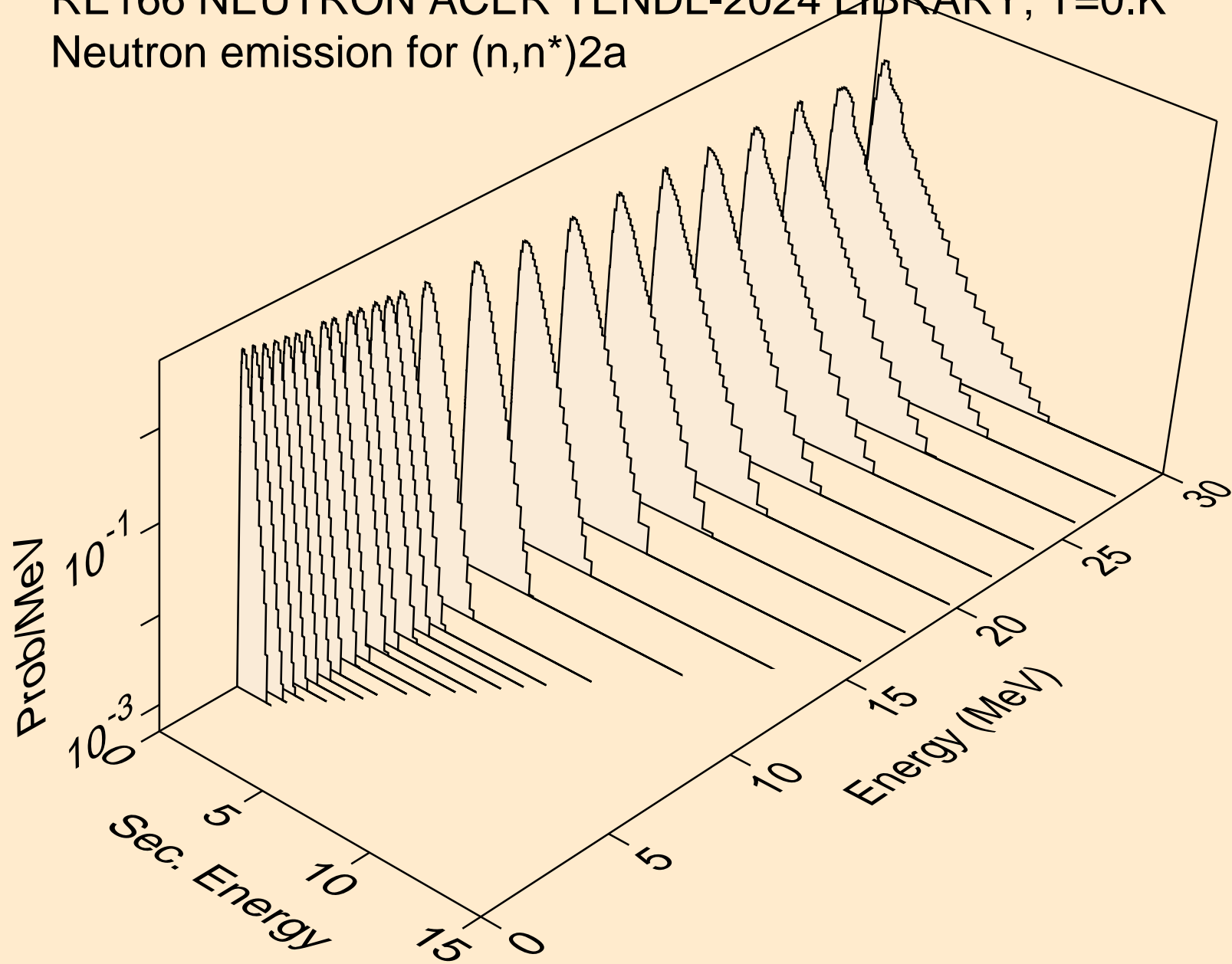
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Neutron emission for (n,3n)a



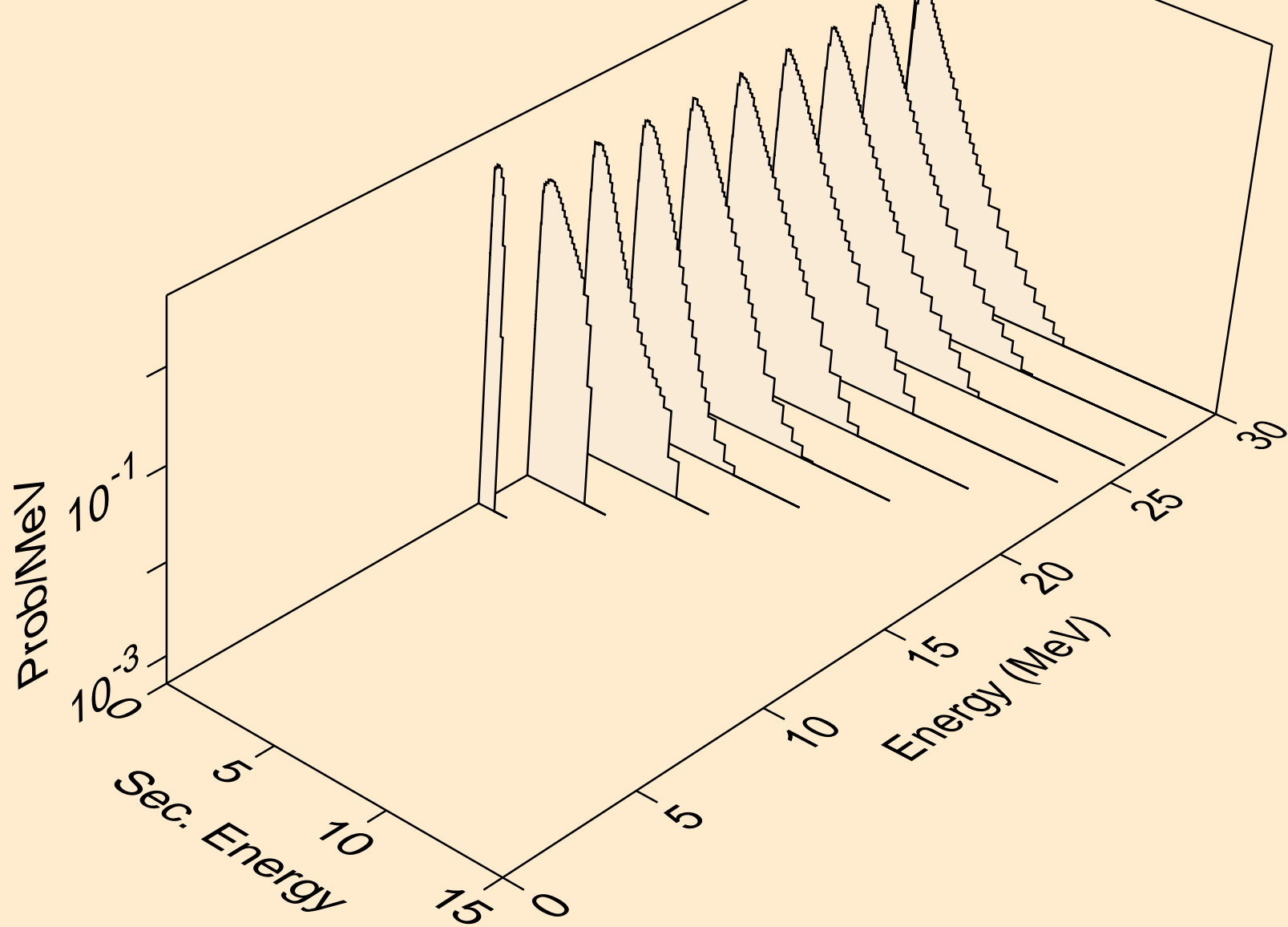
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



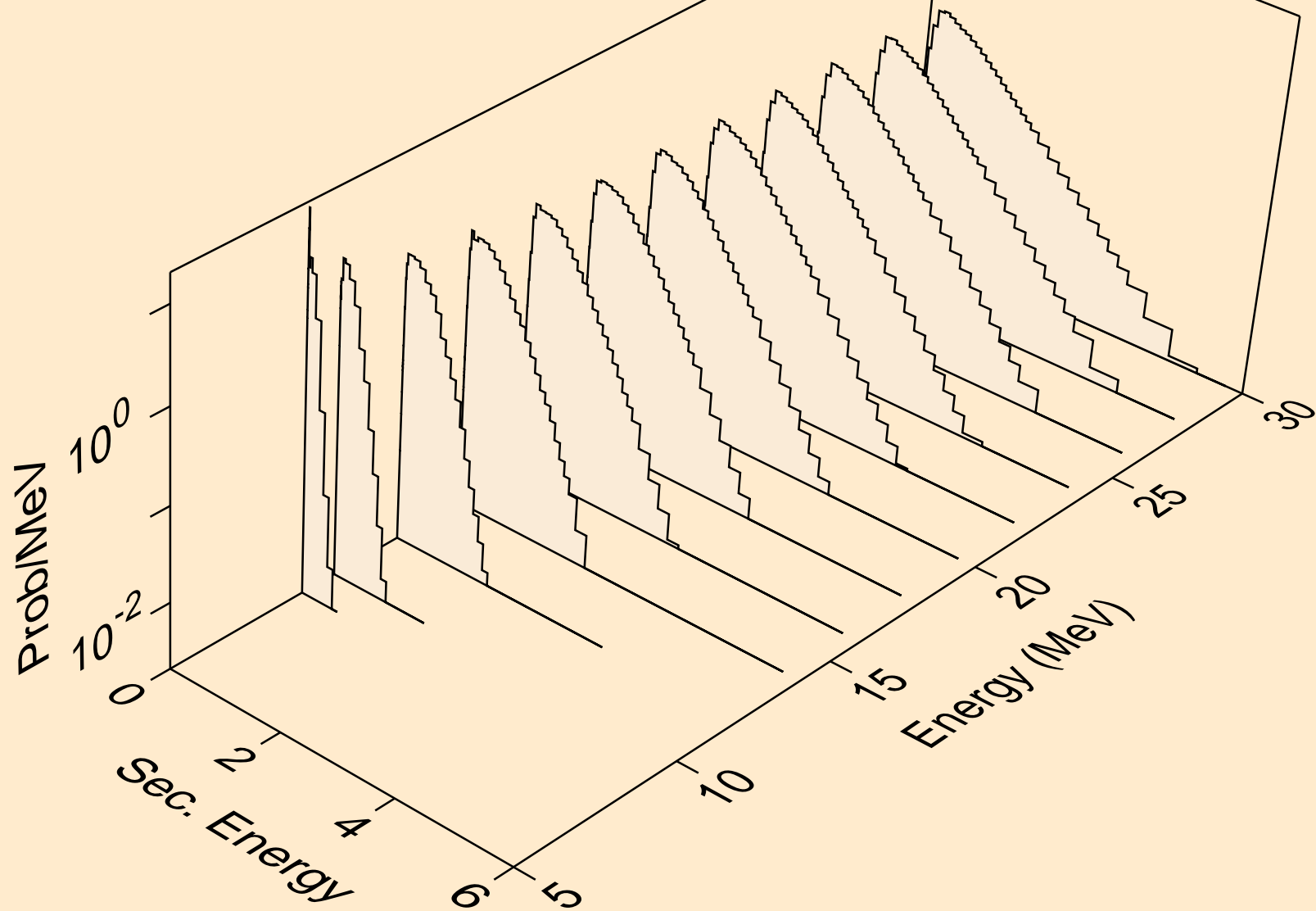
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



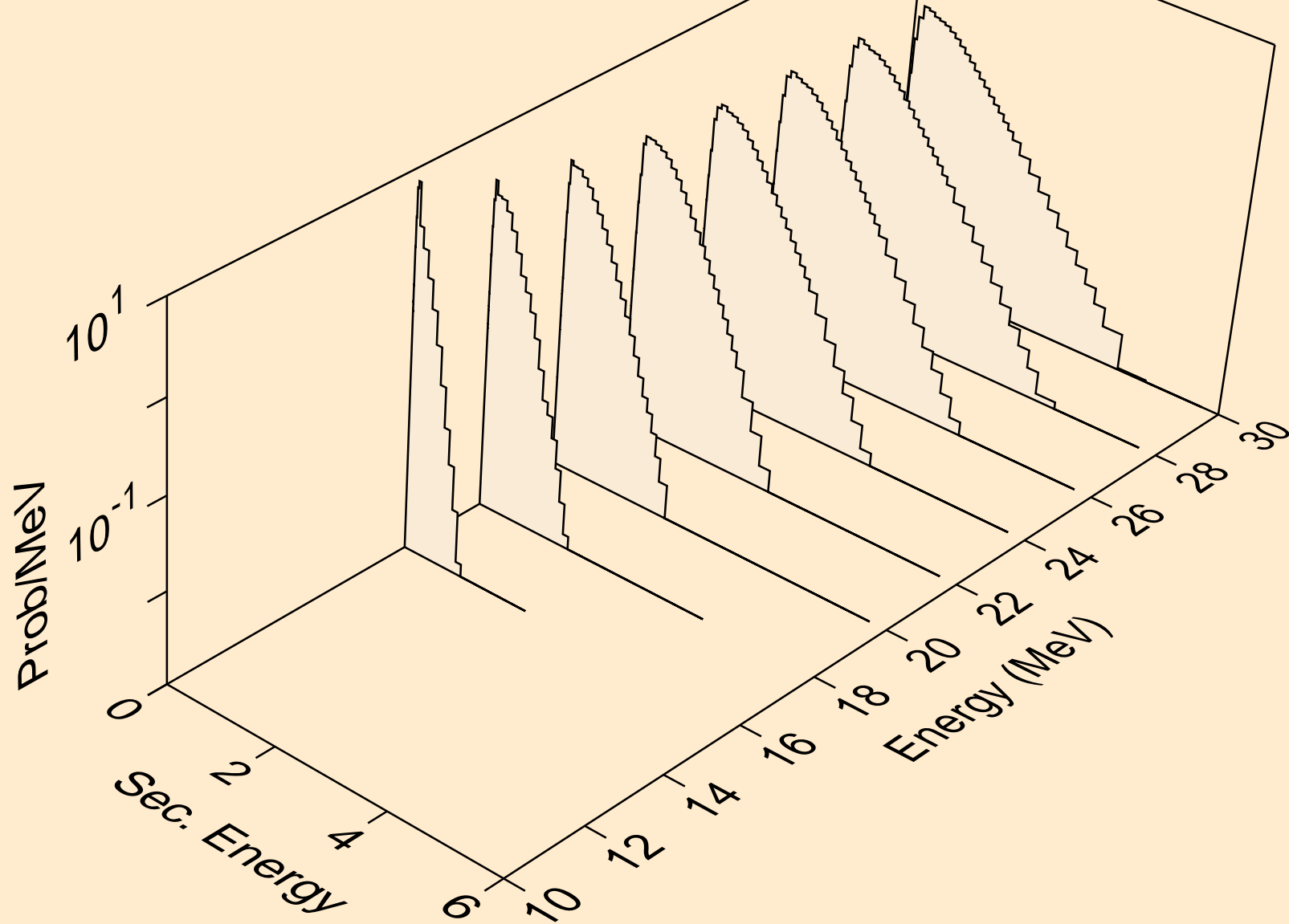
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

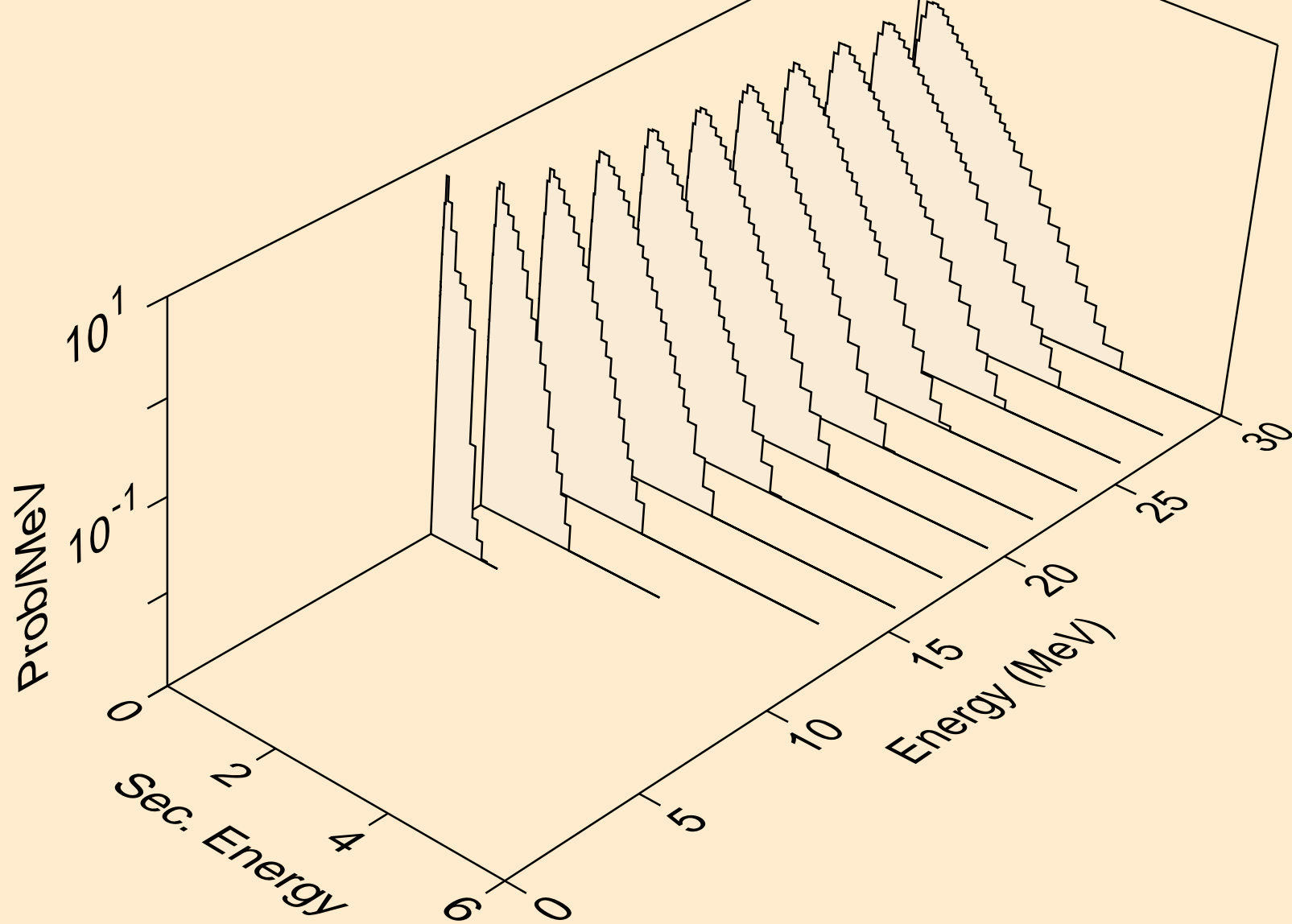


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

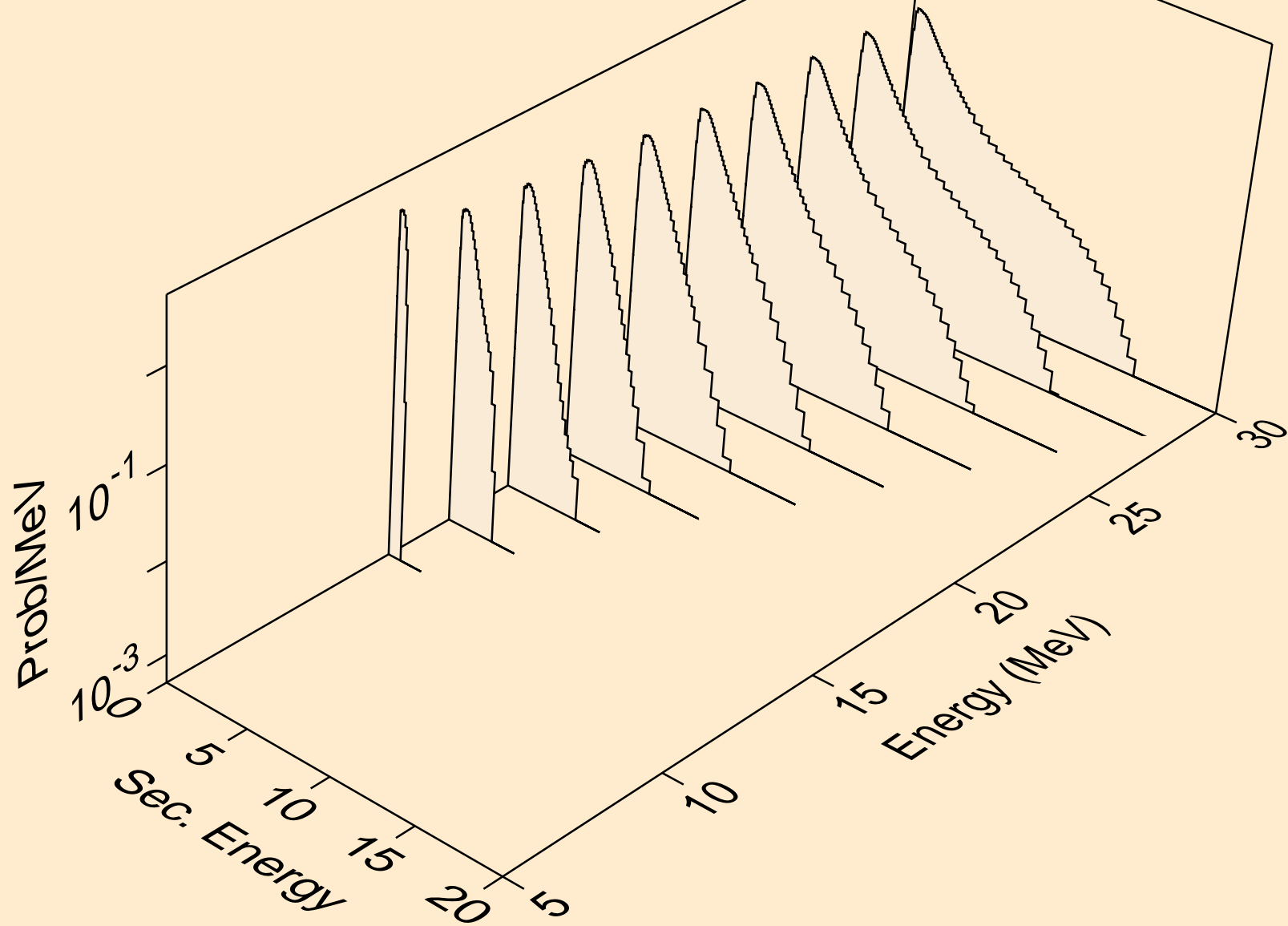




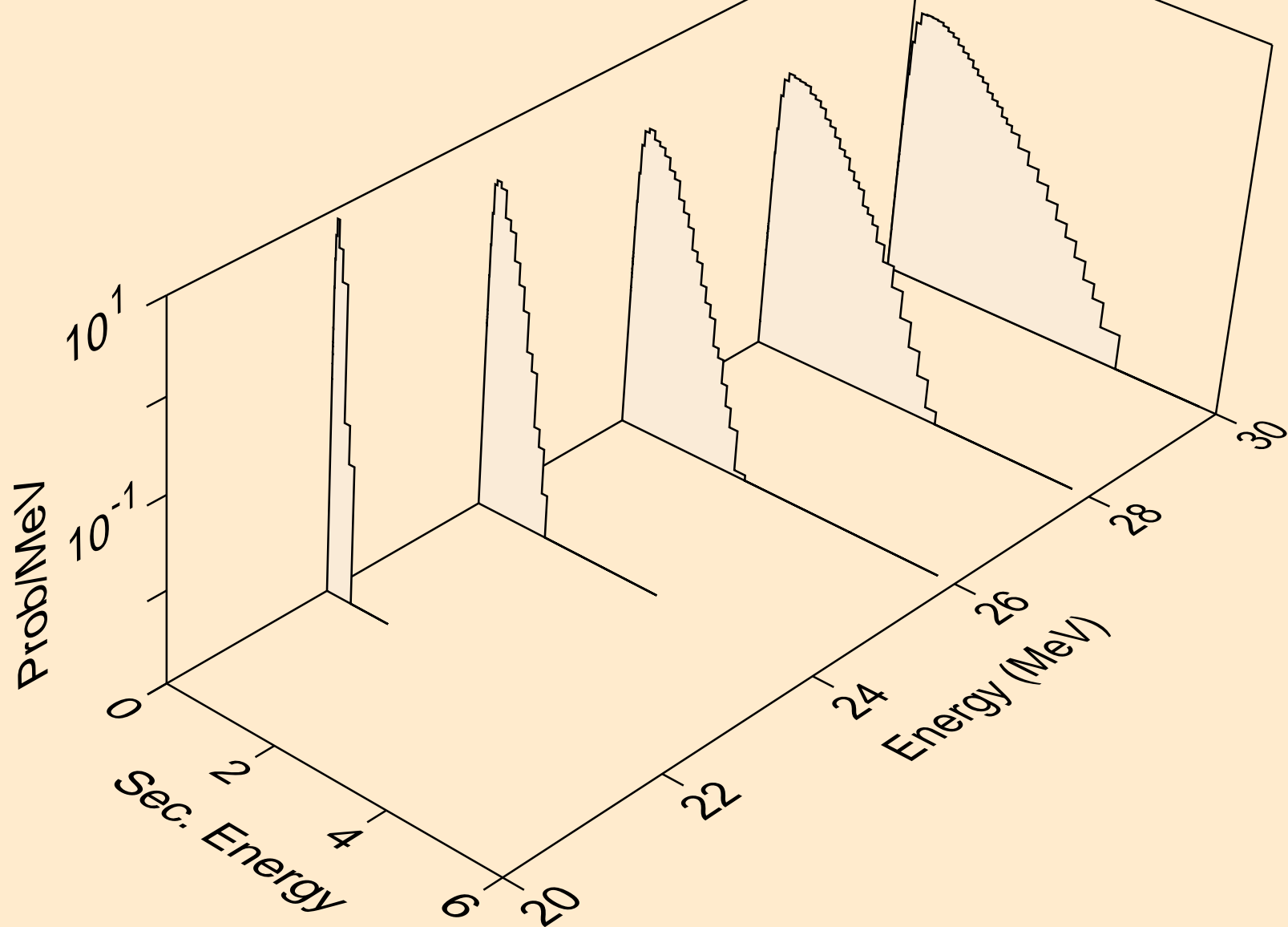
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



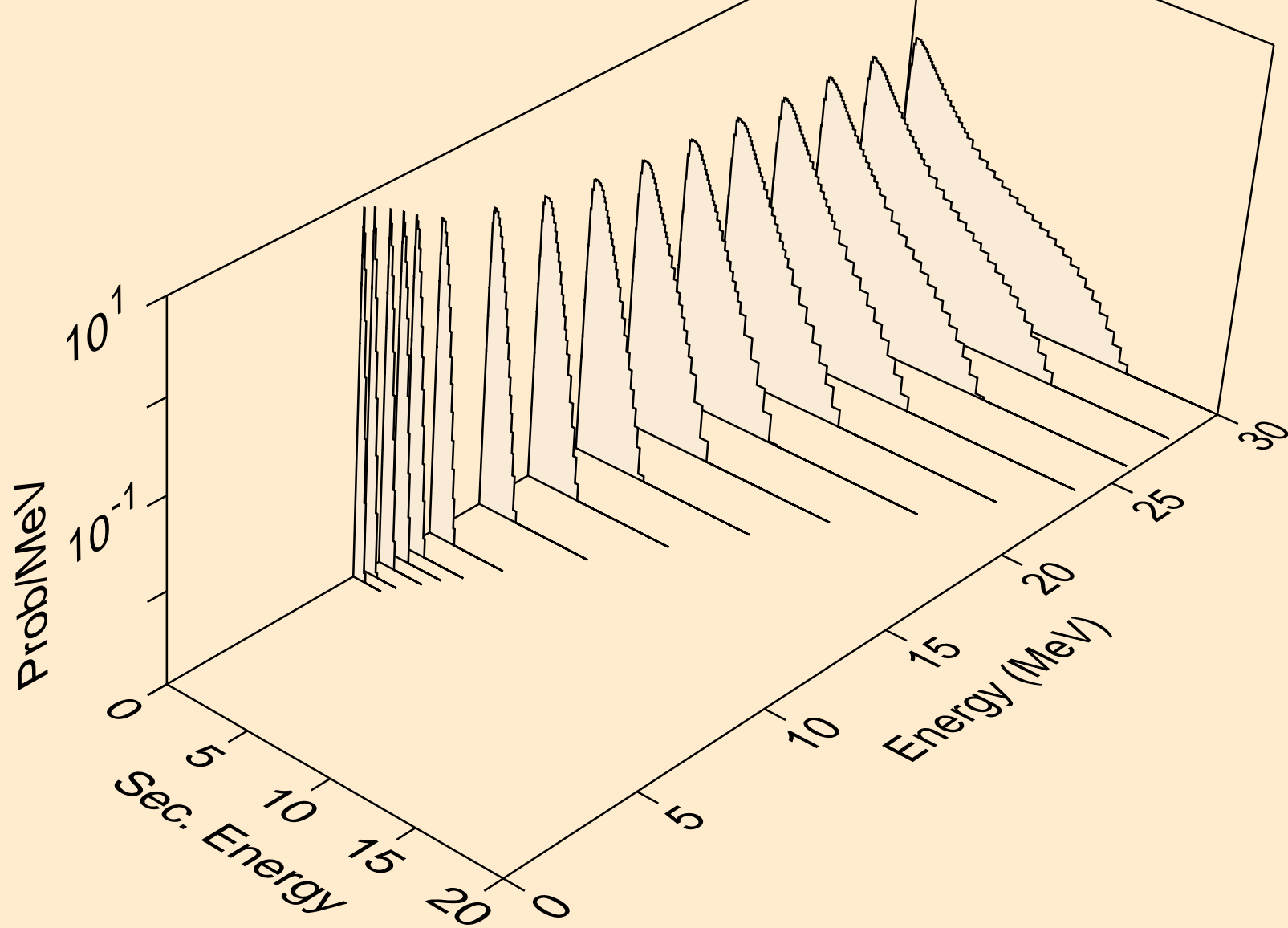
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



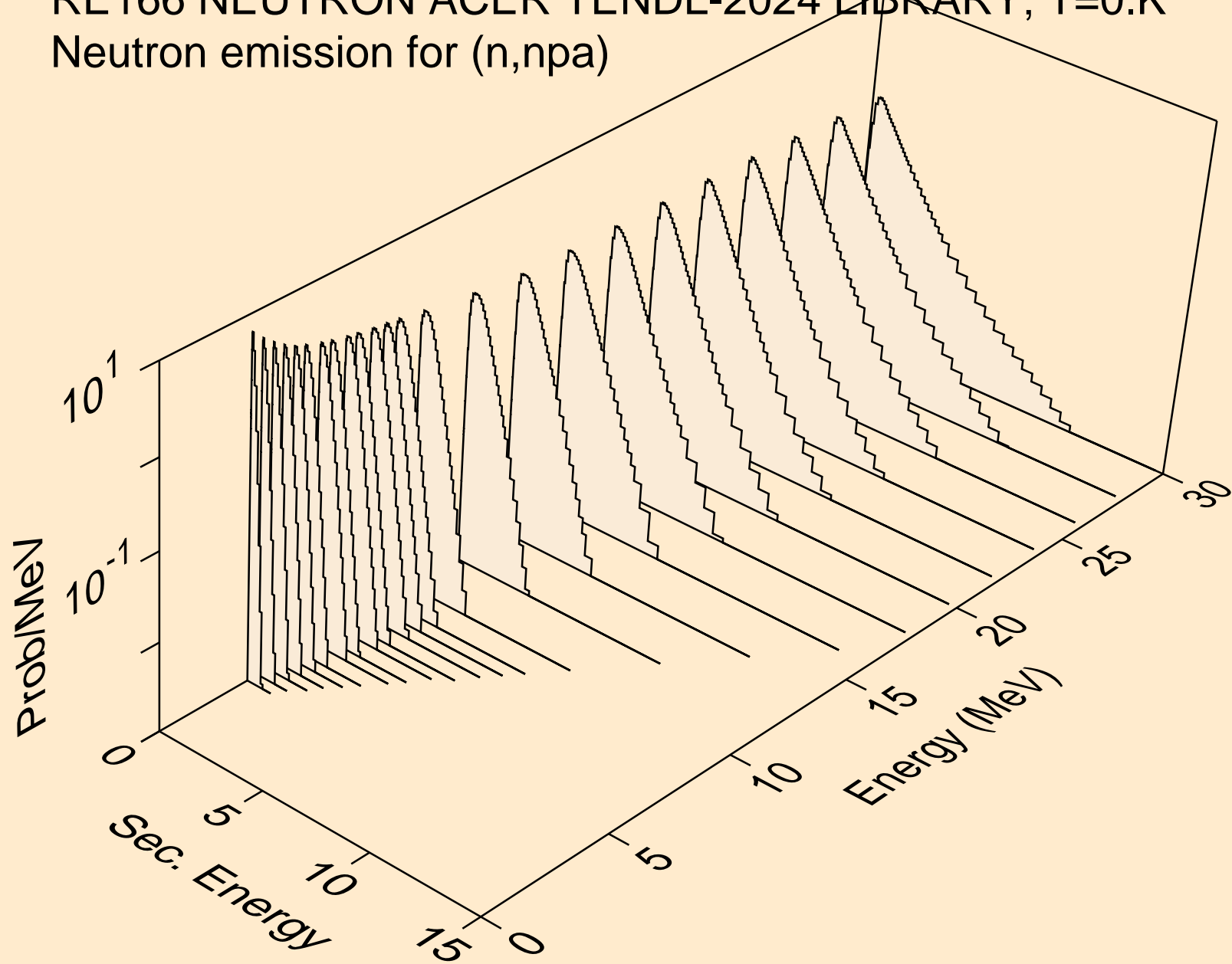
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Neutron emission for (n,3np)



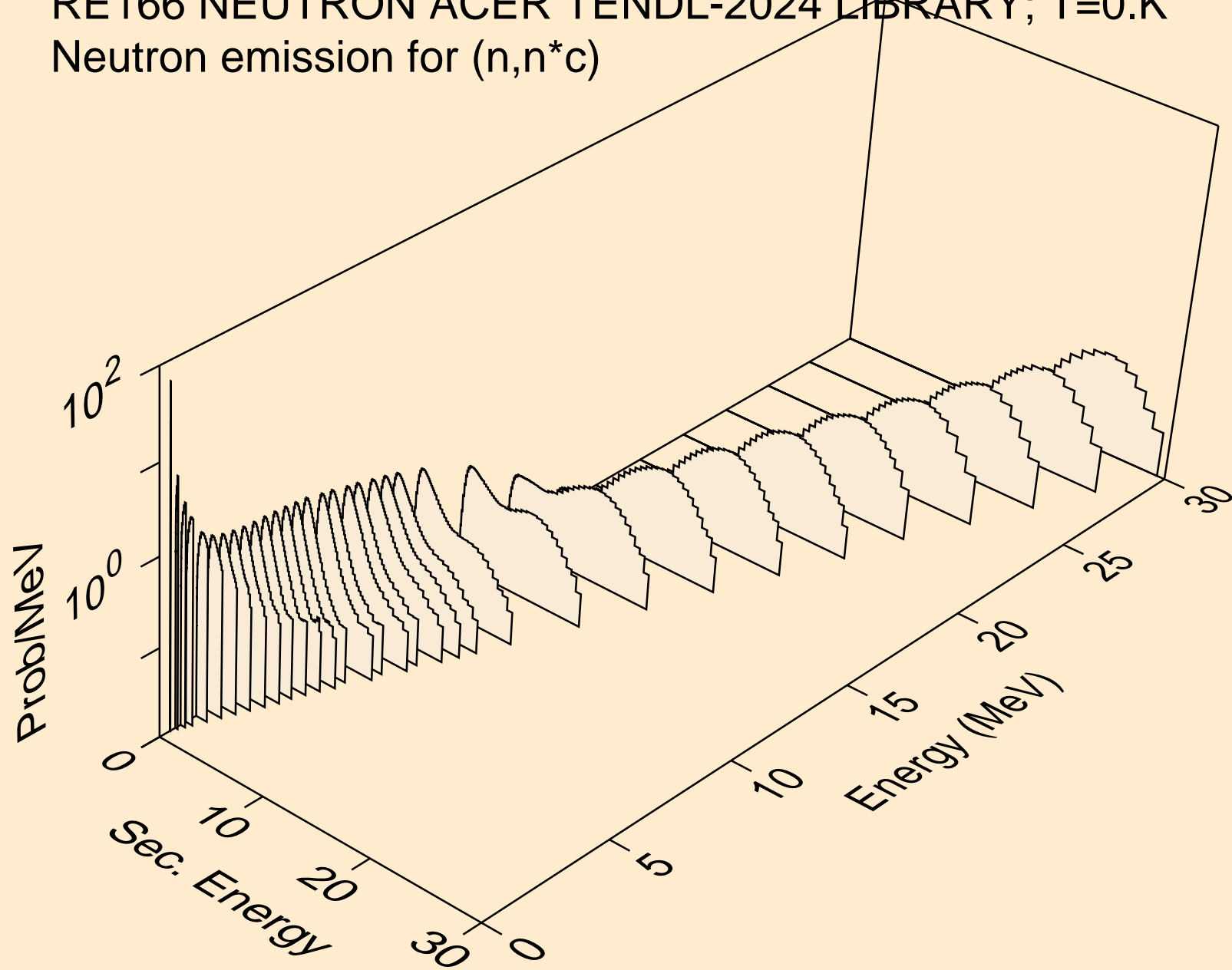
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Neutron emission for (n,n2p)



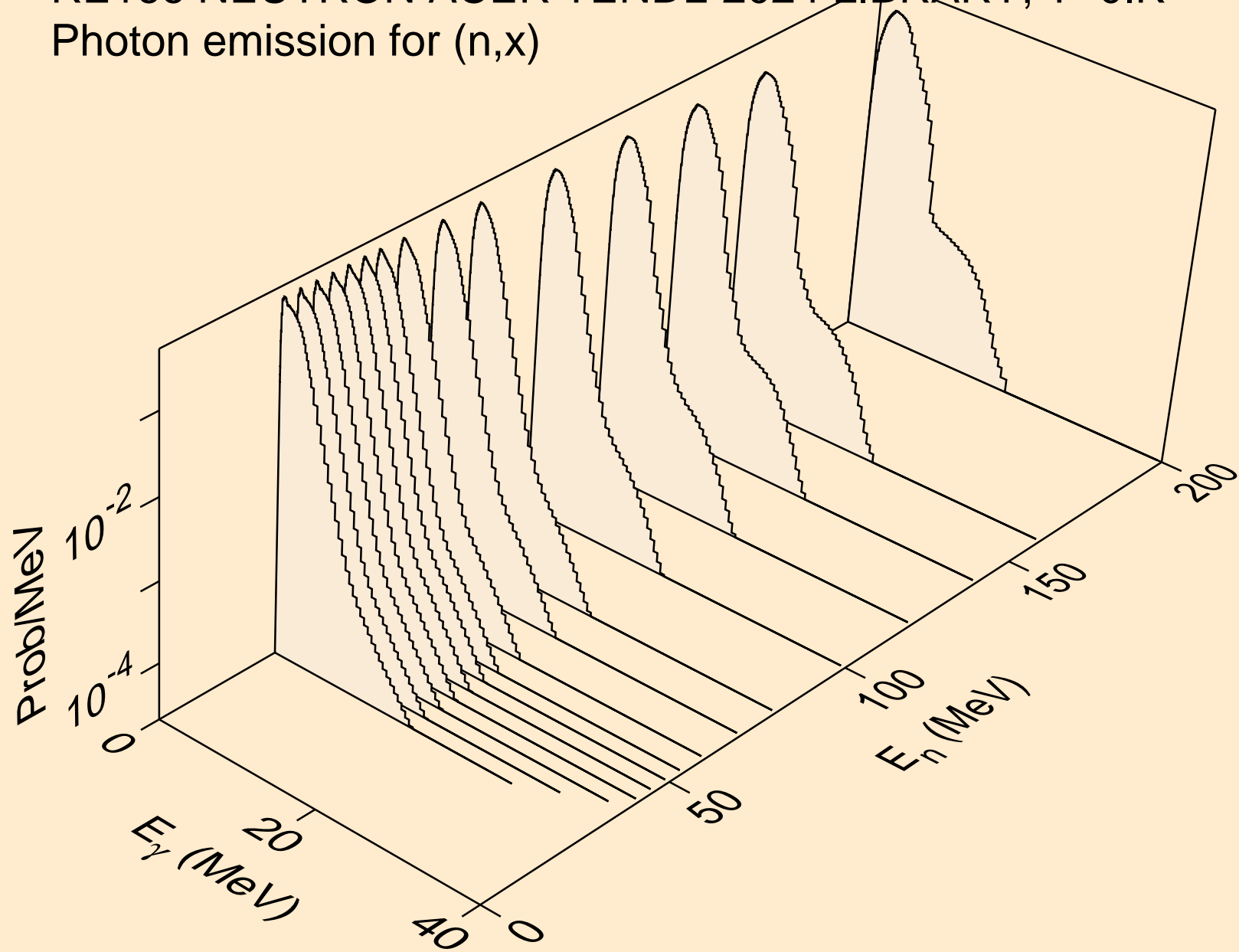
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Neutron emission for (n,npa)



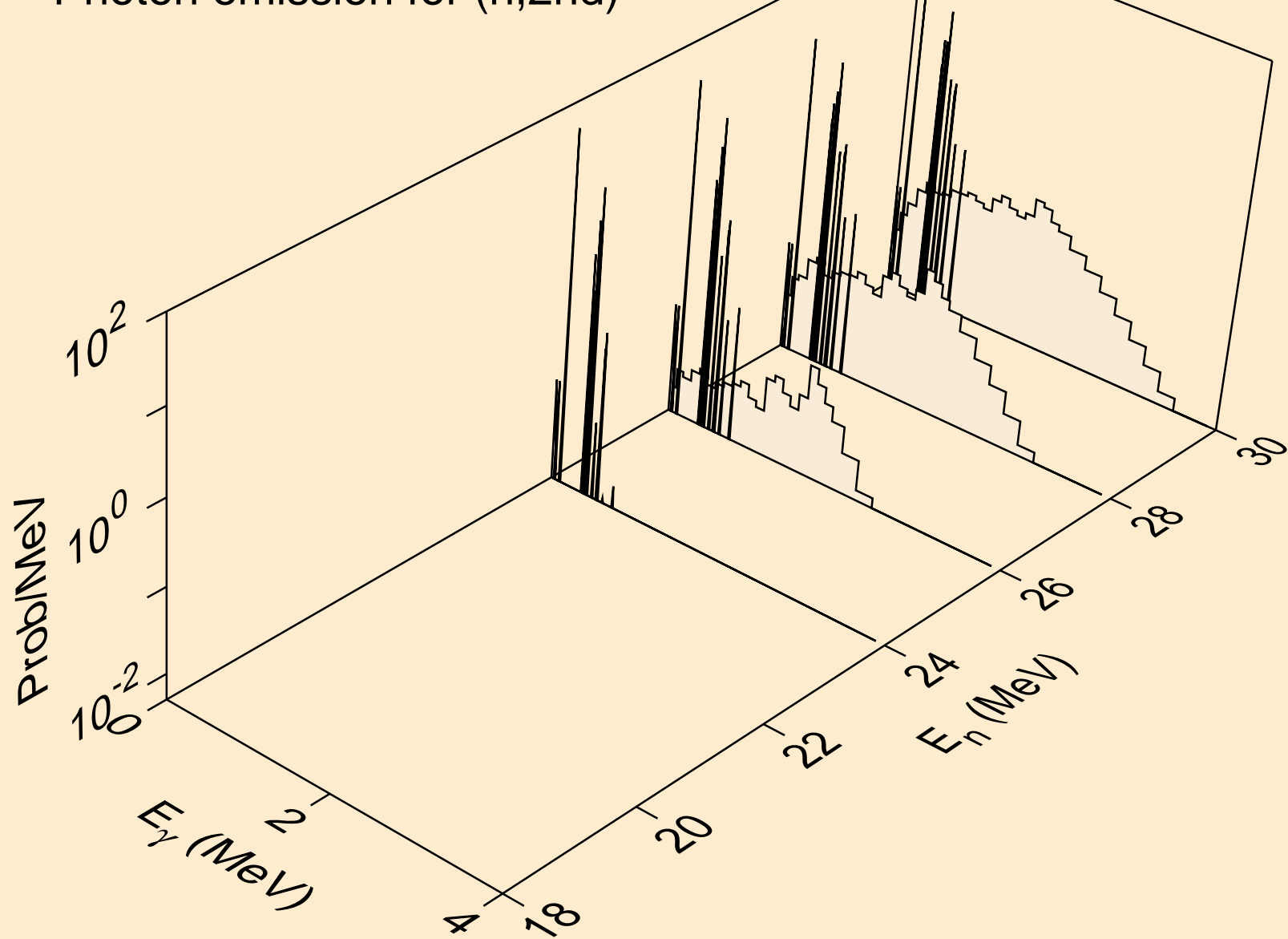
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

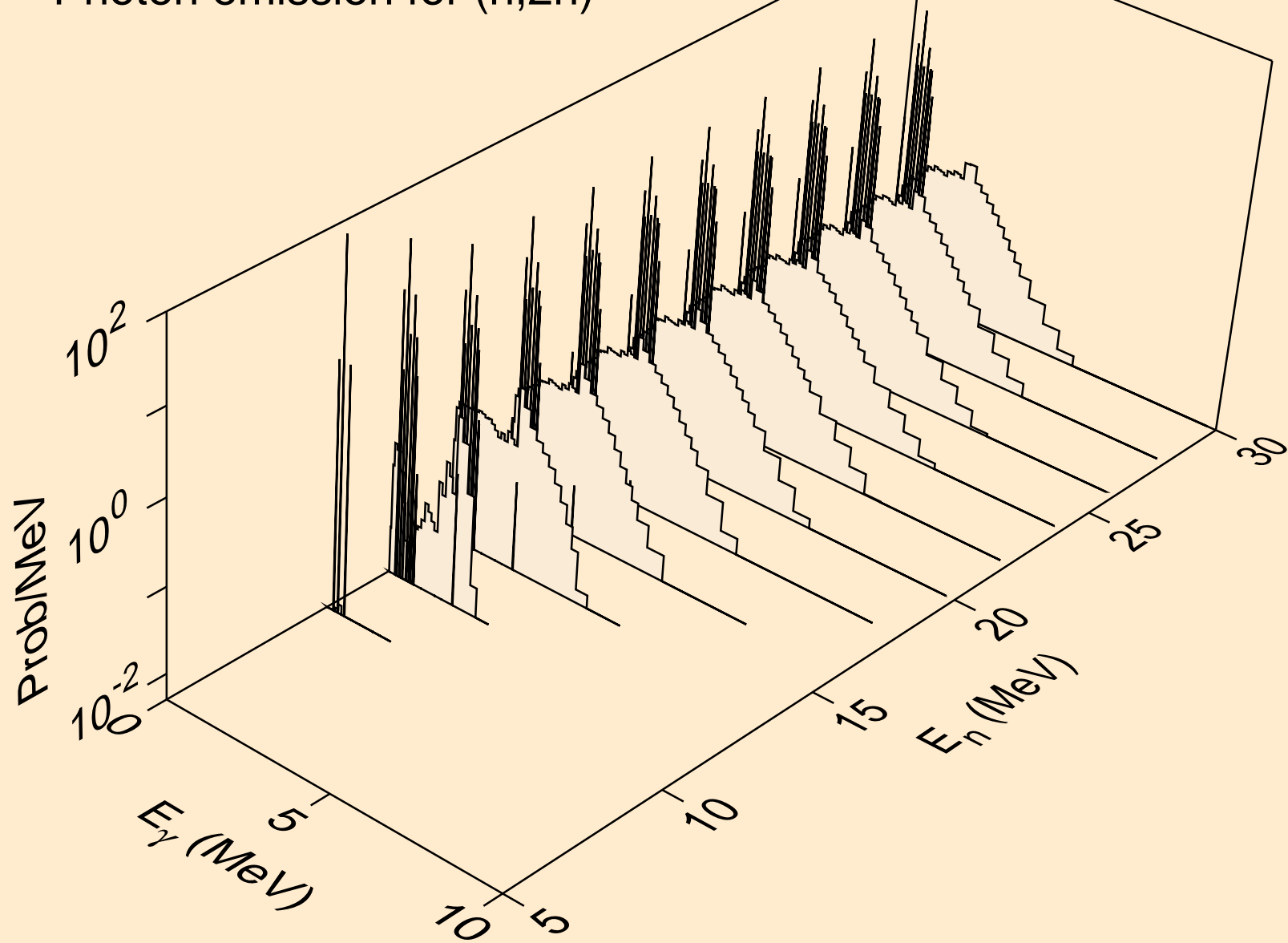


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

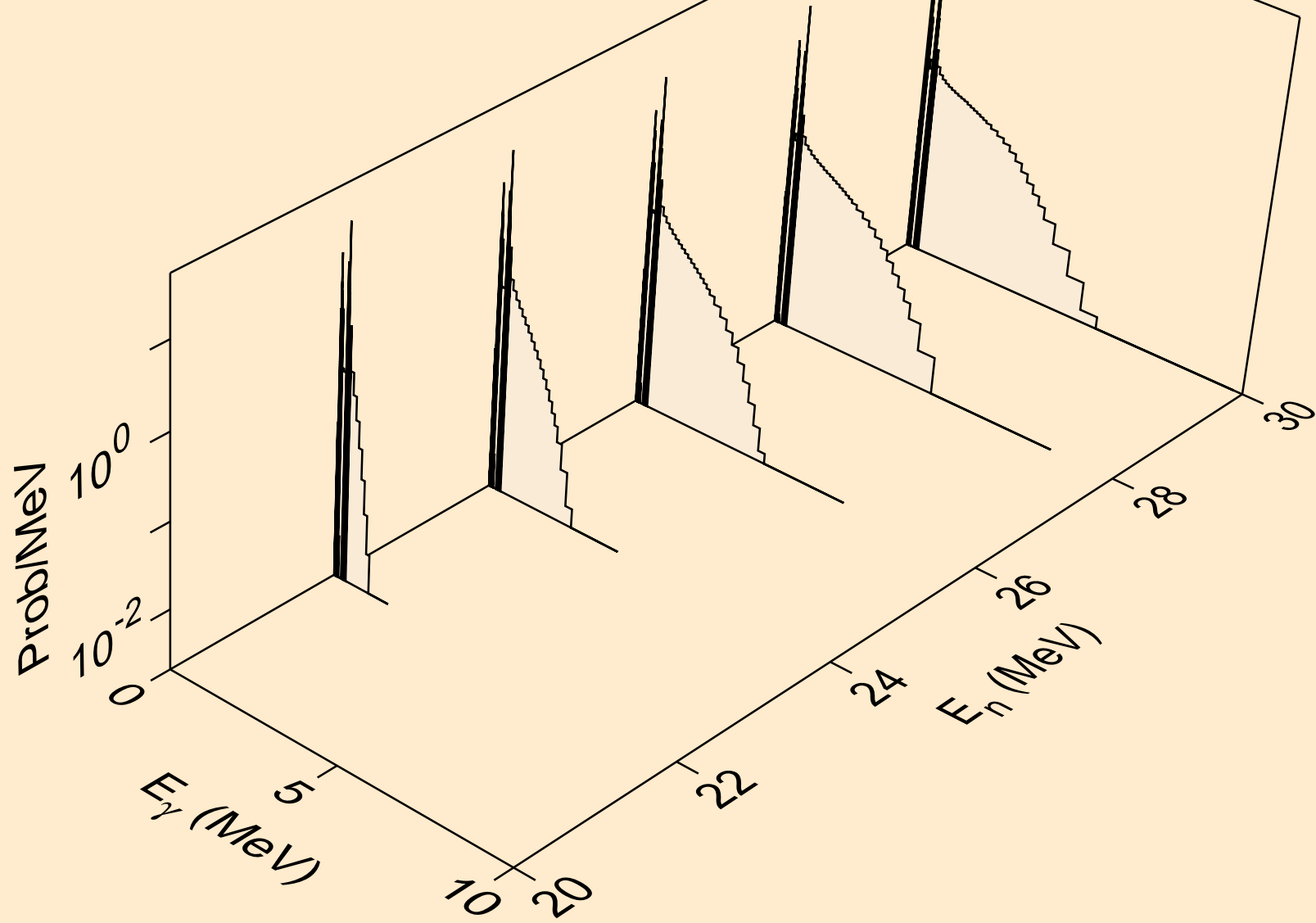




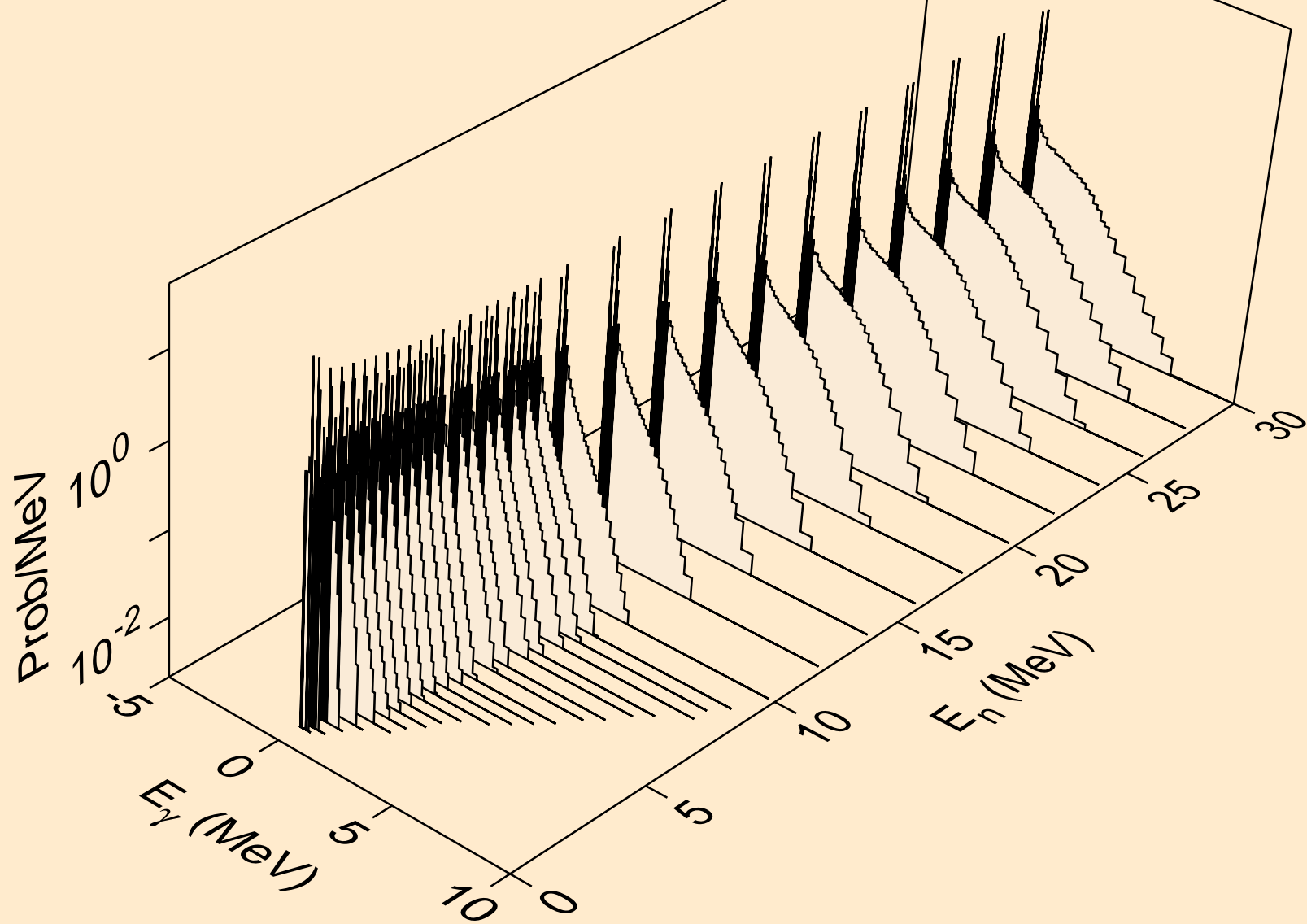
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



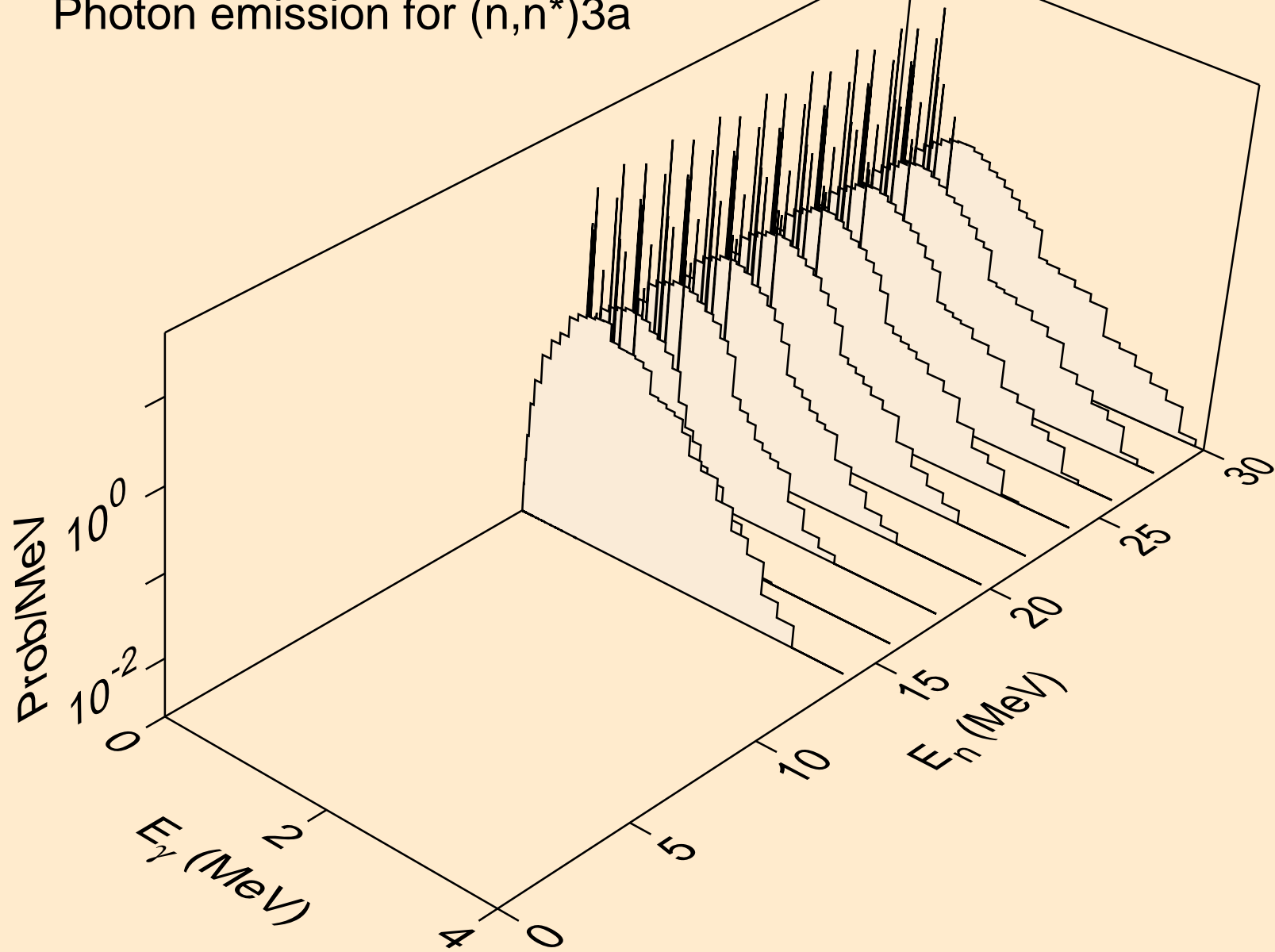
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



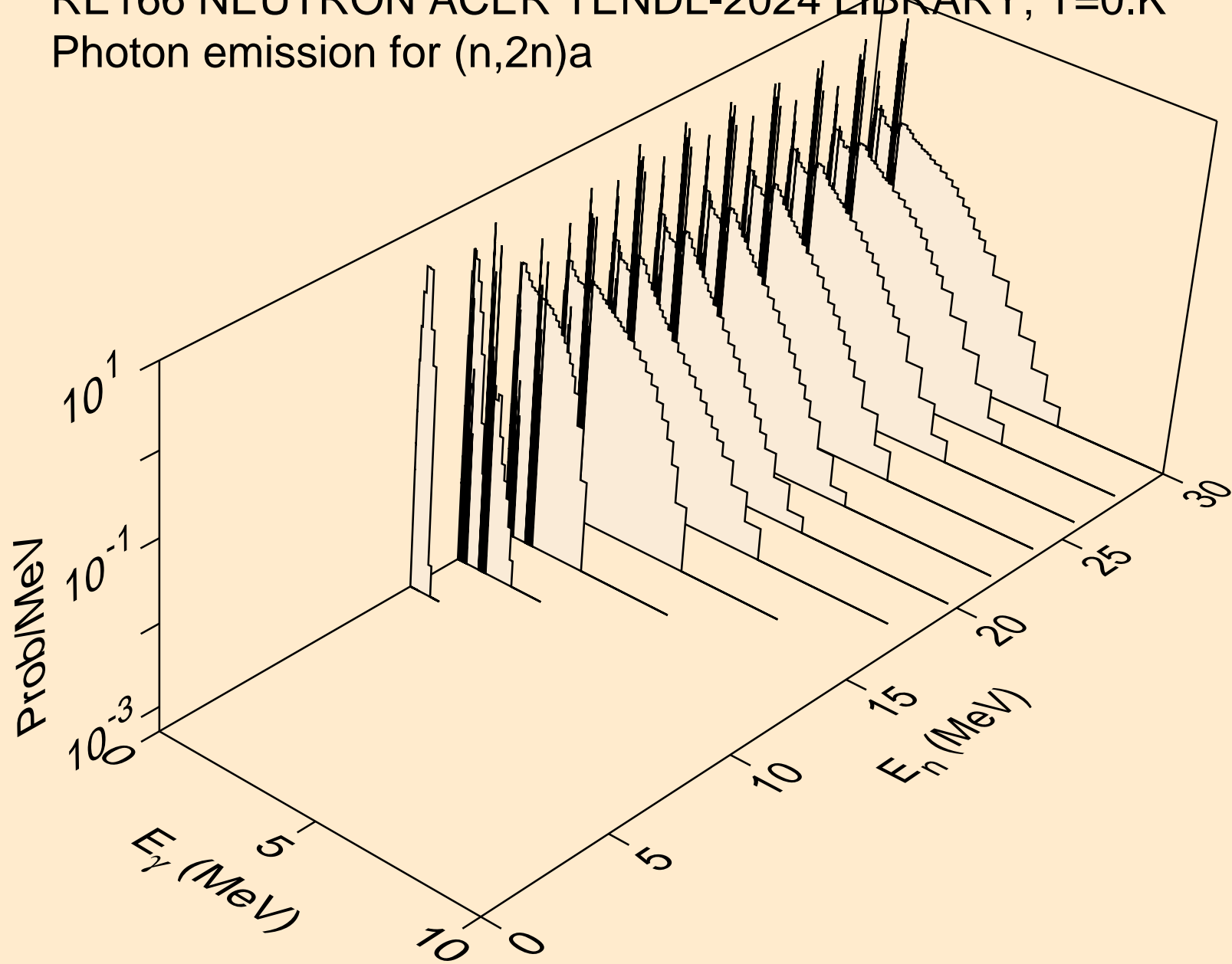
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



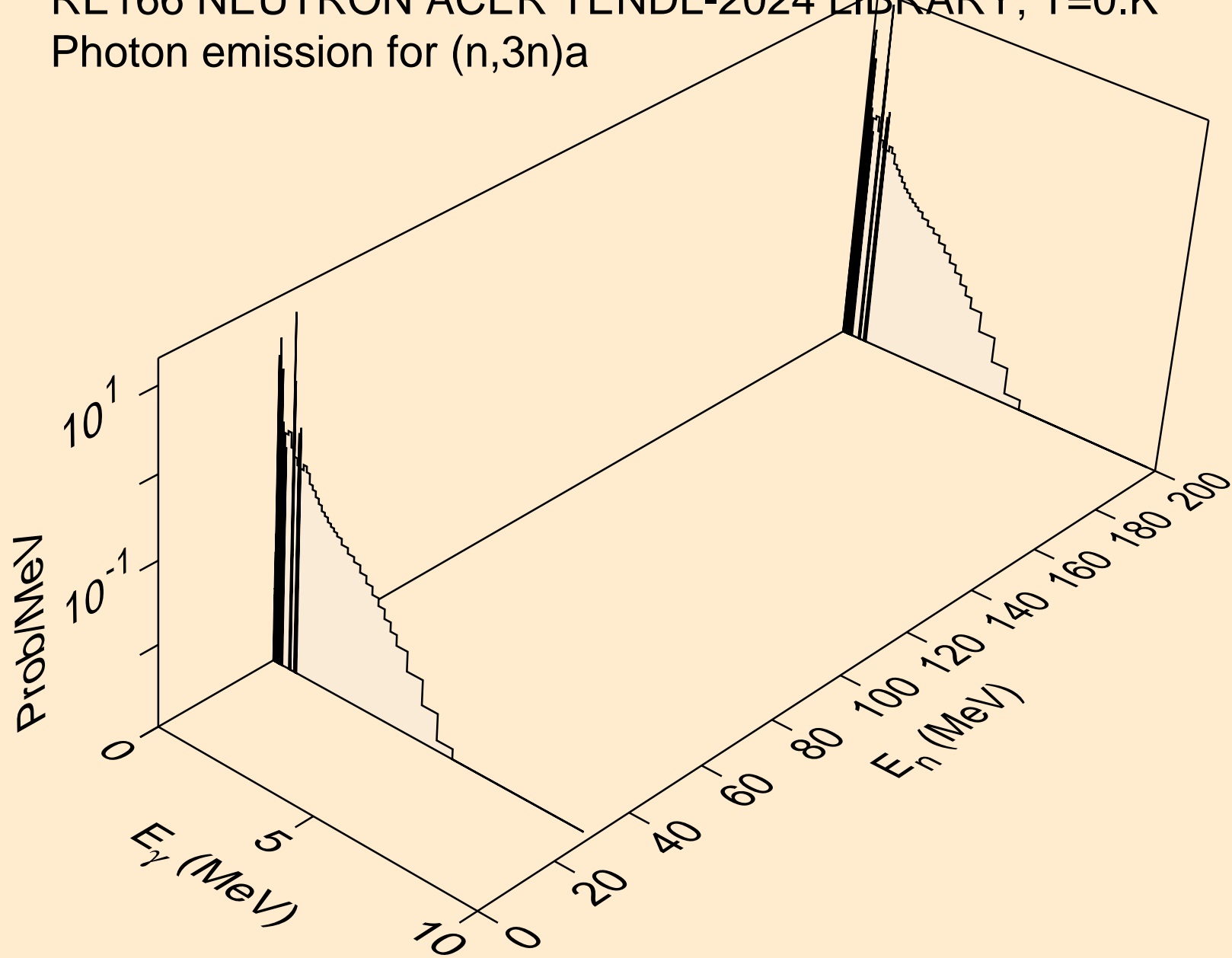
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



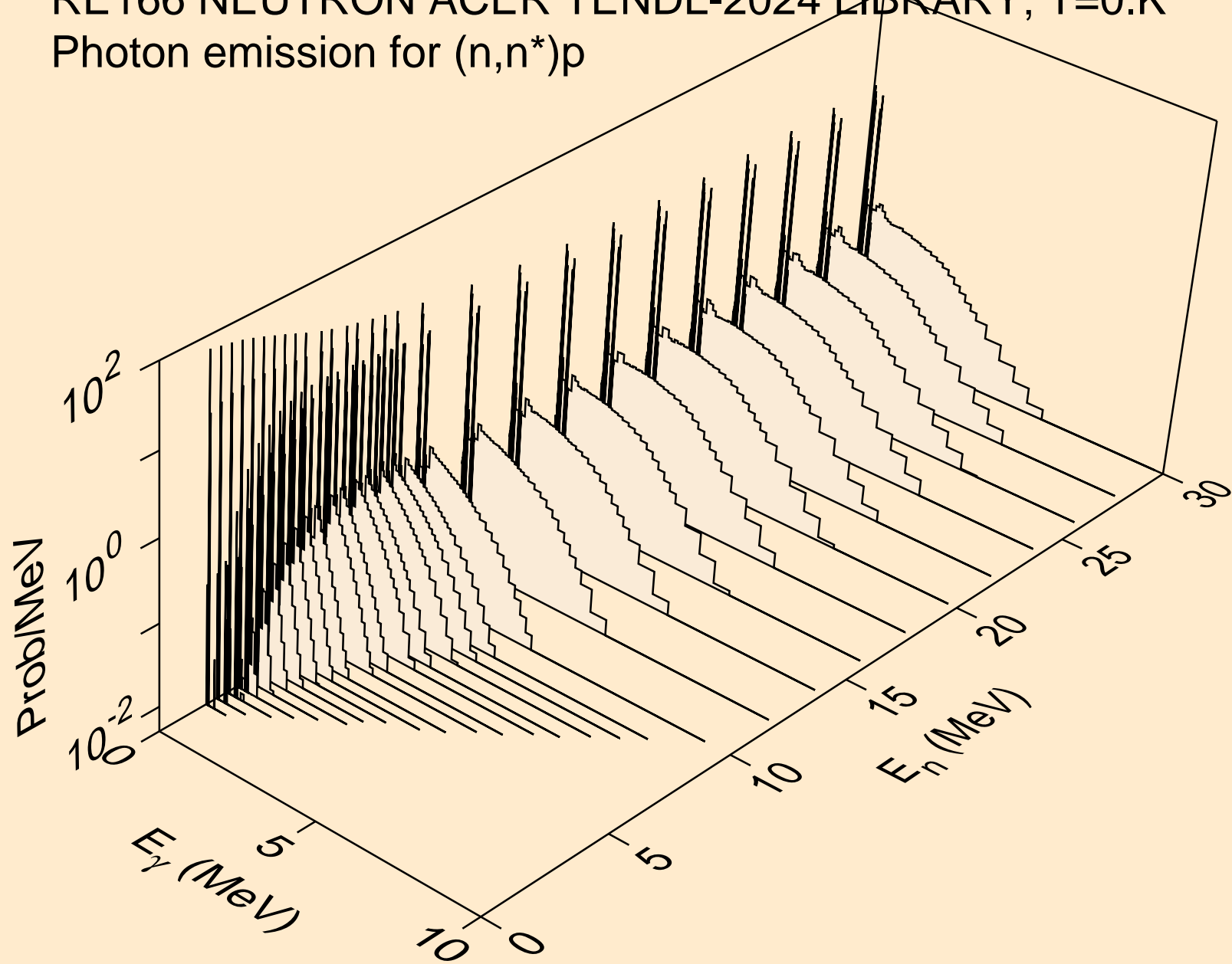
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



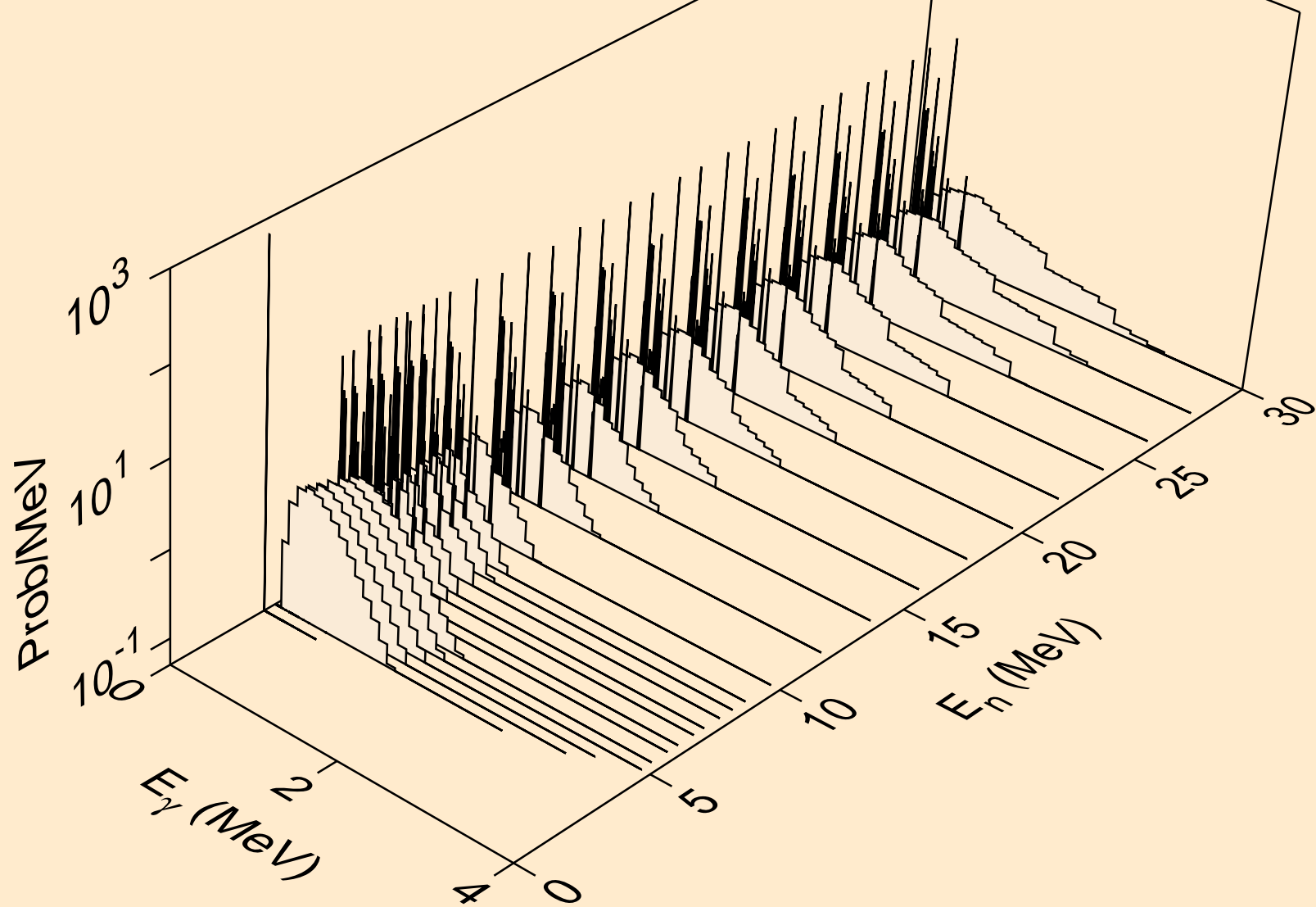
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

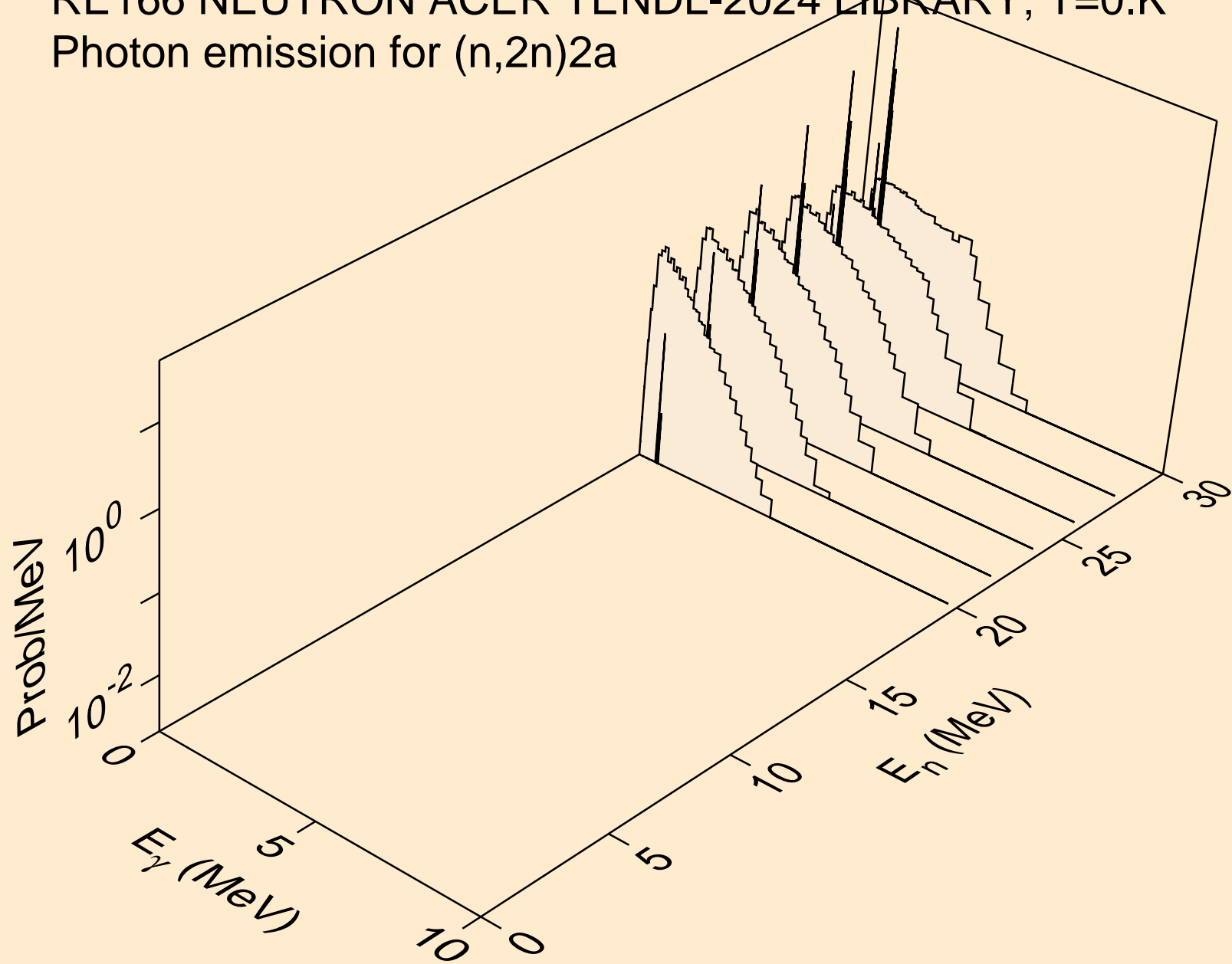


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

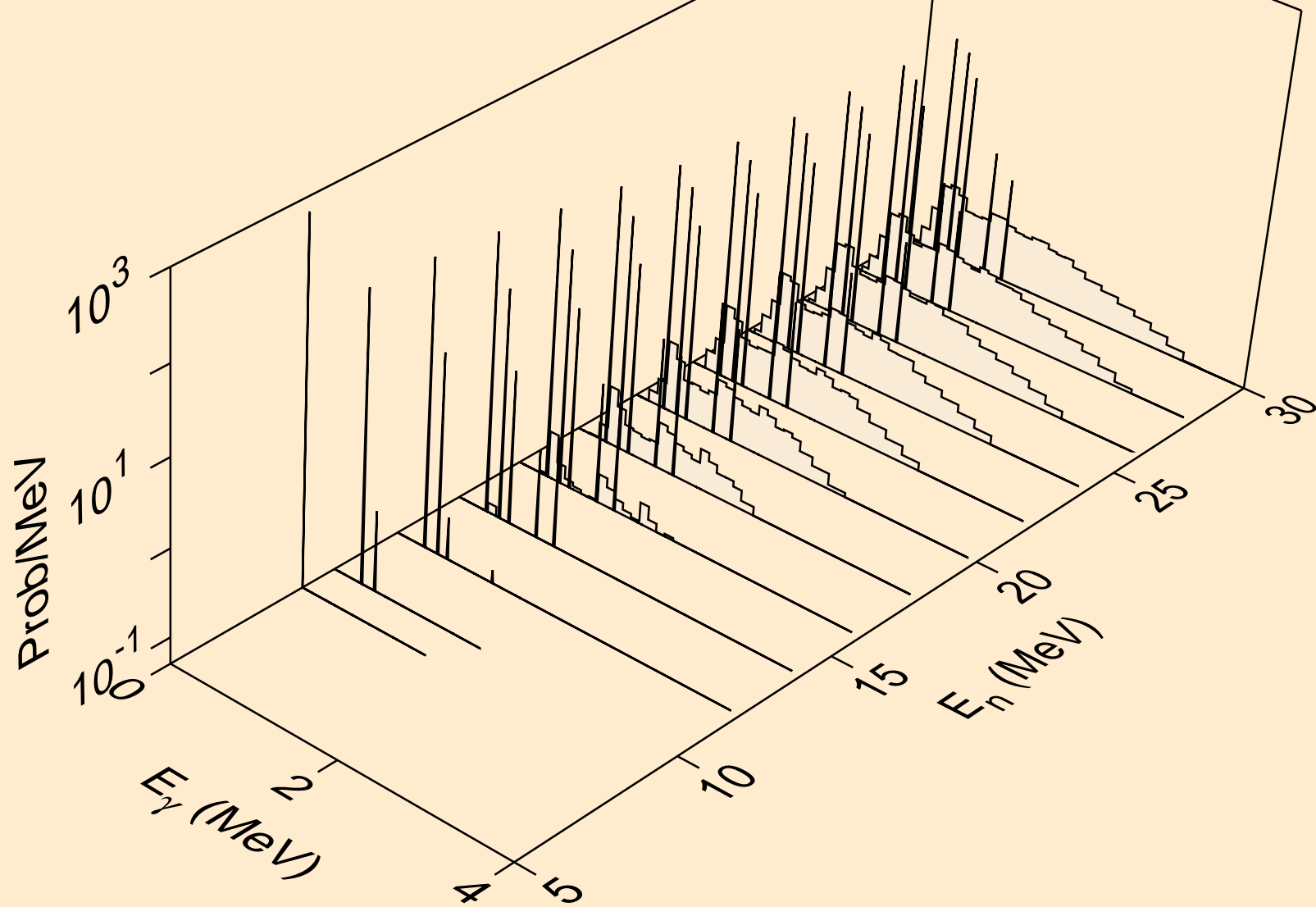




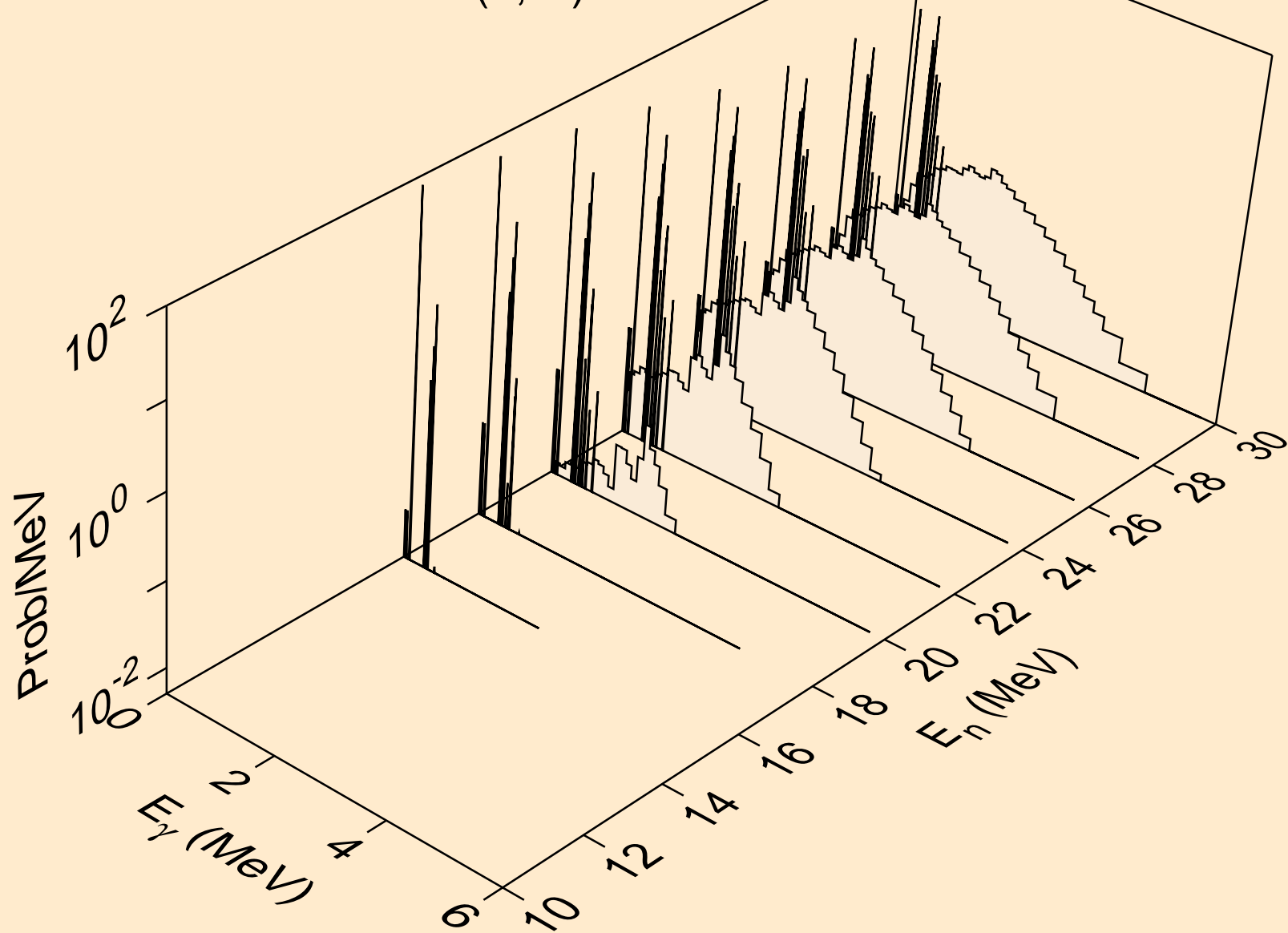
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



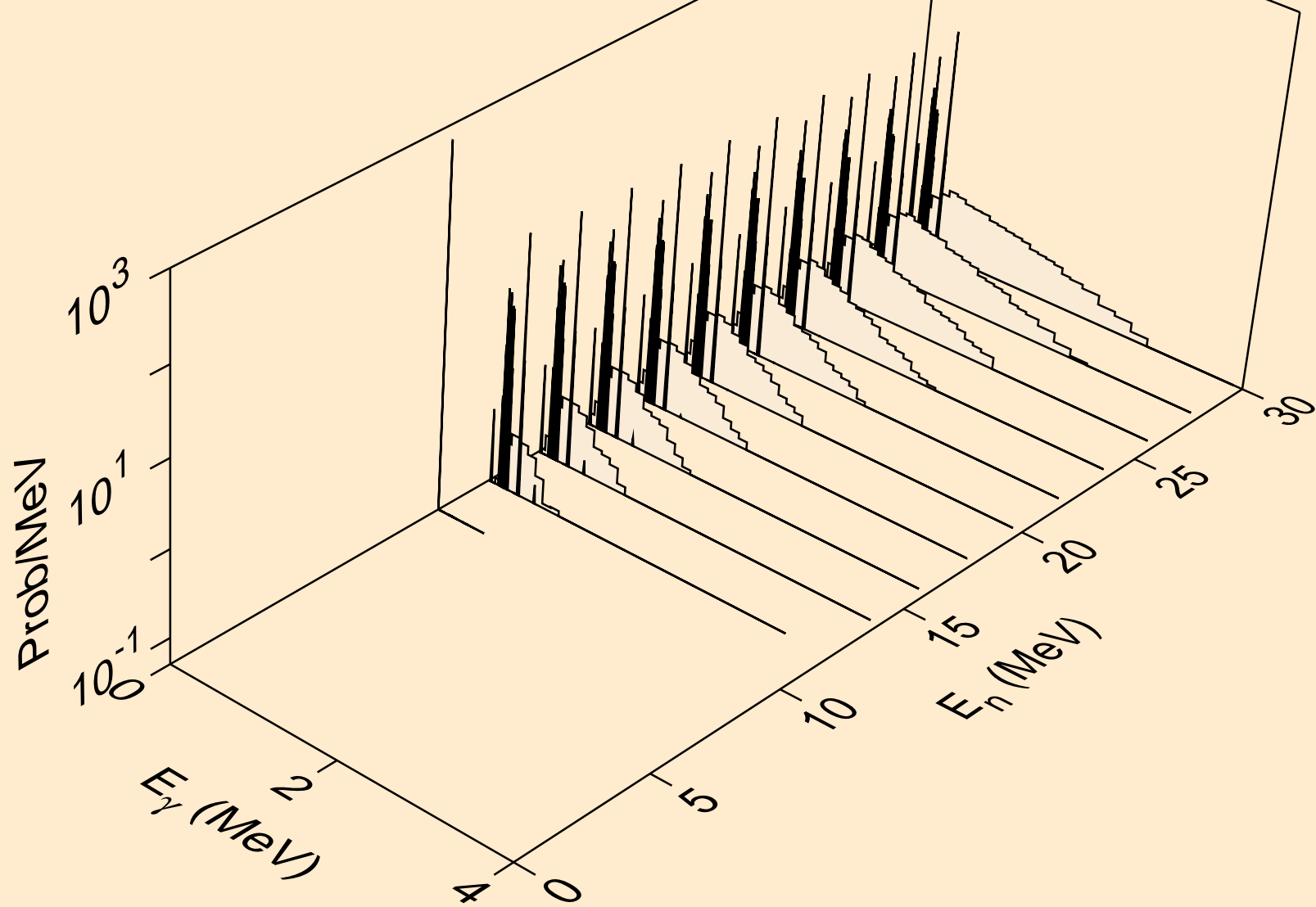
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



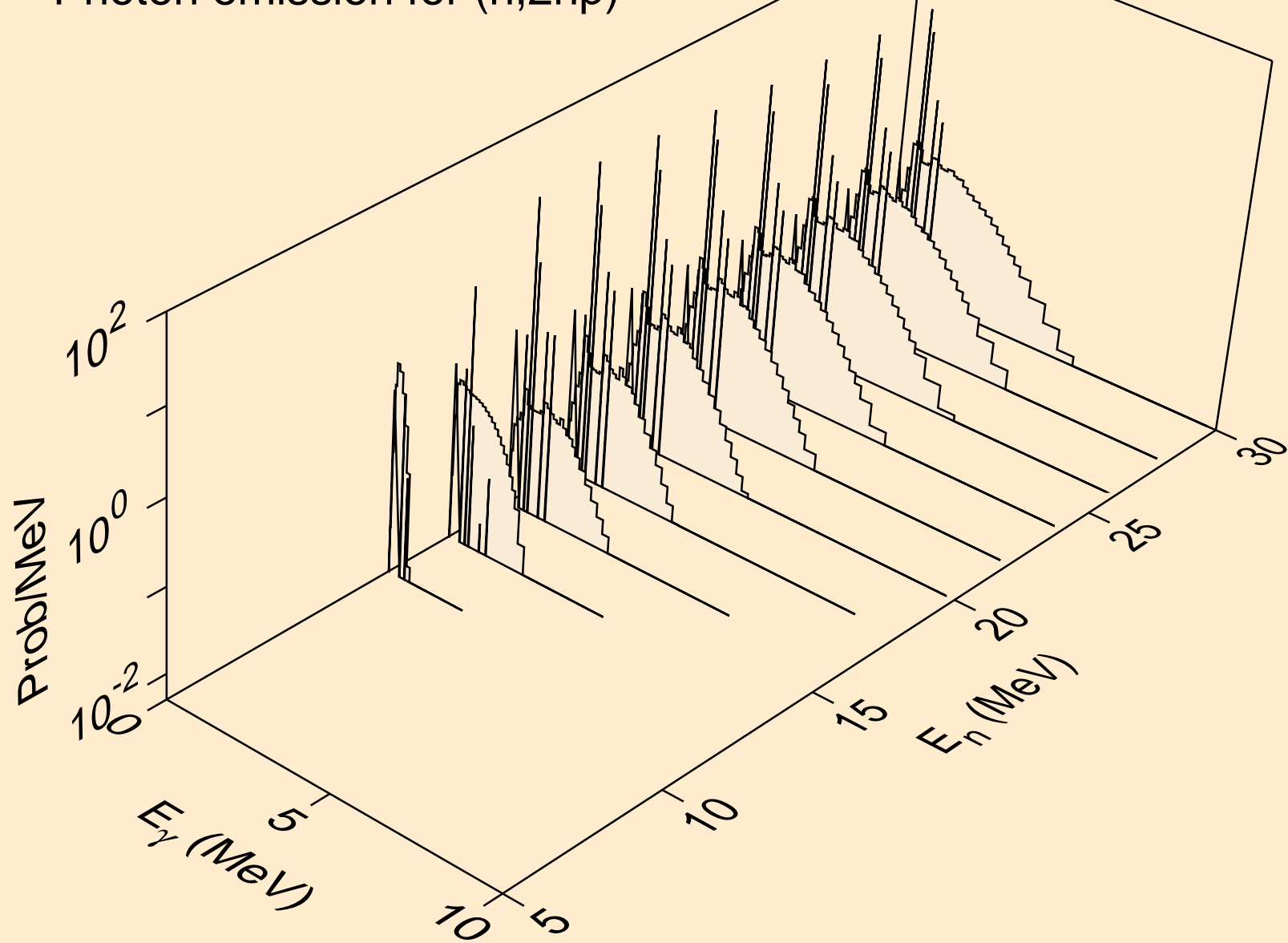
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



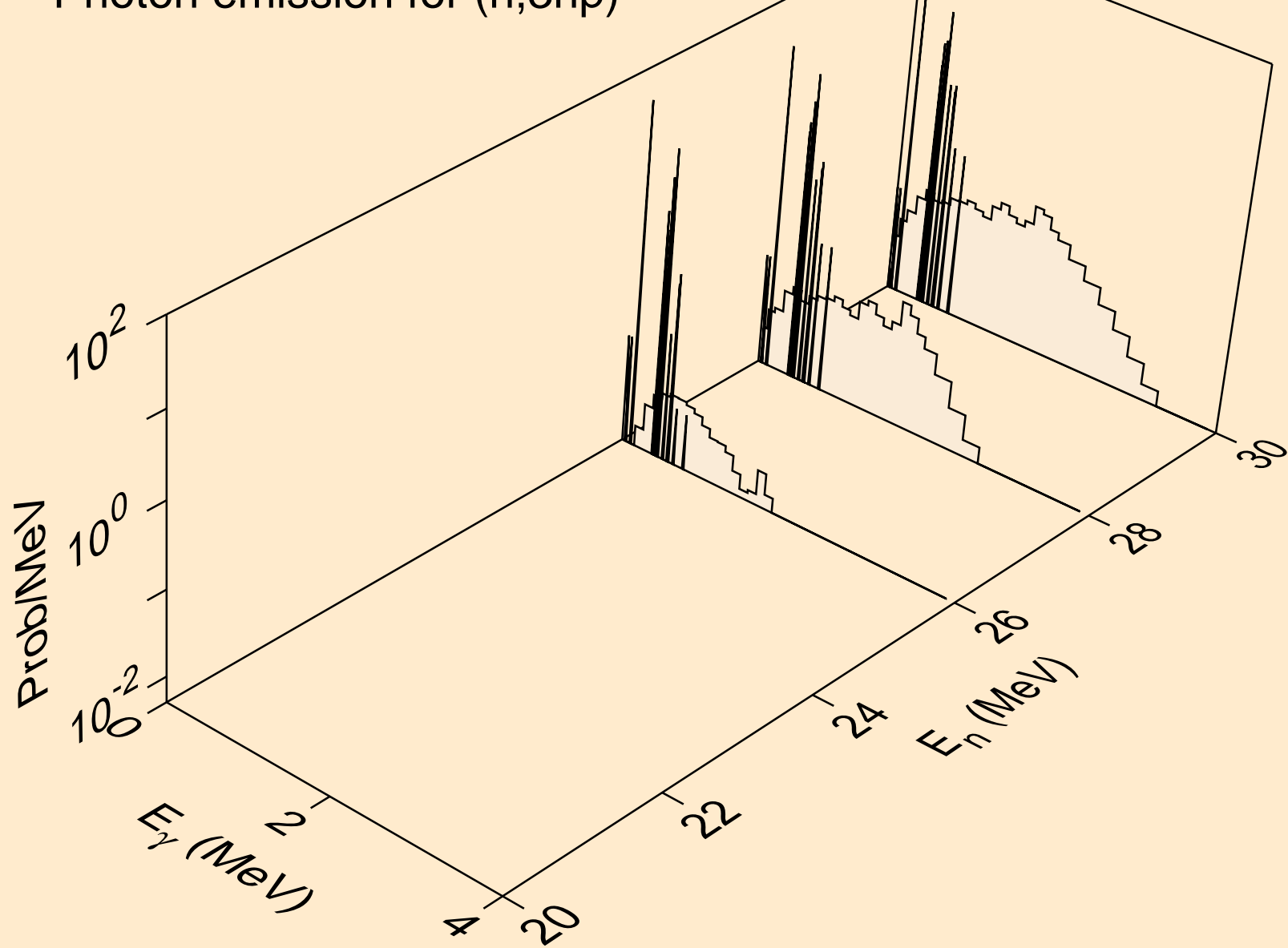
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



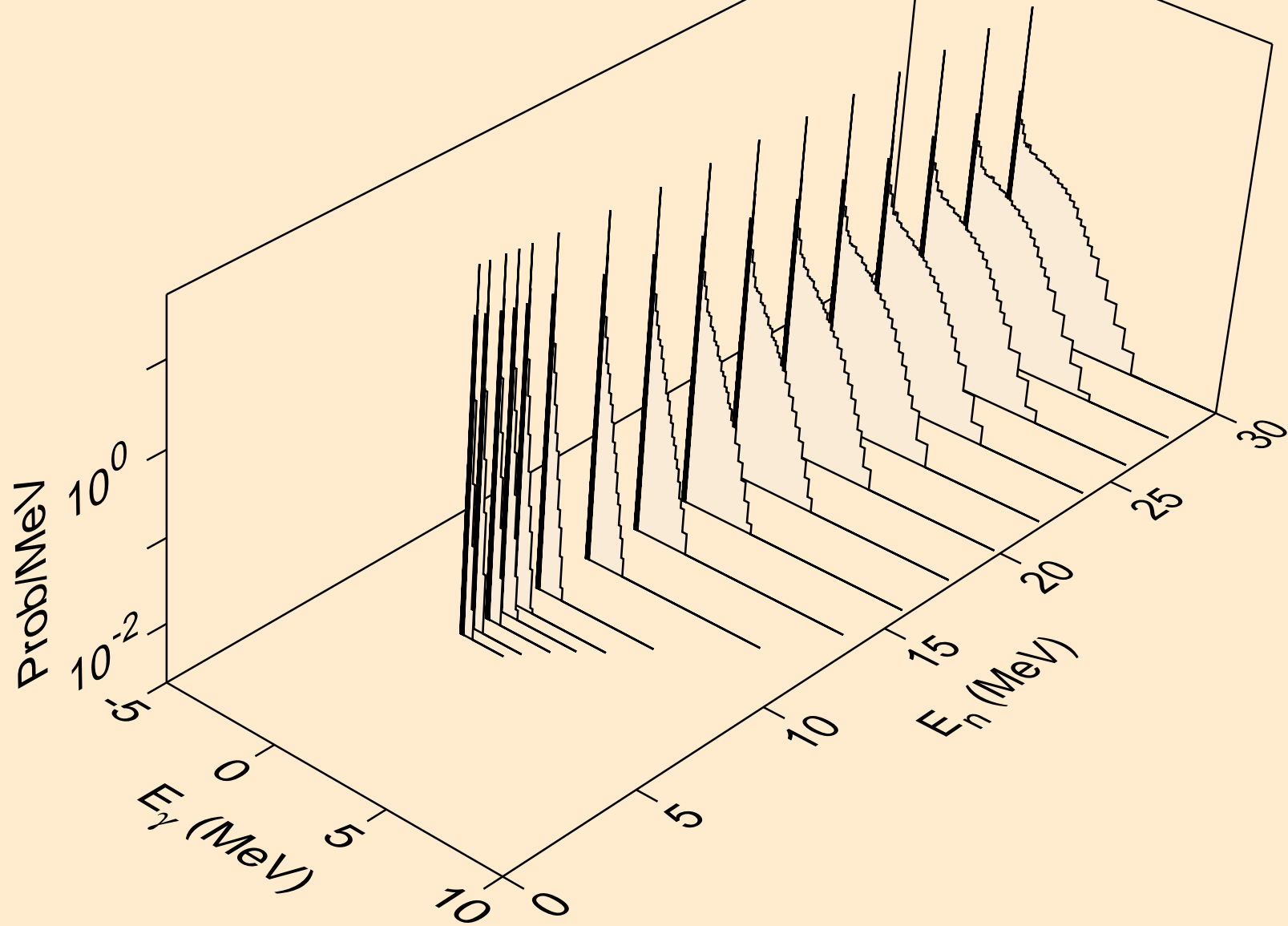
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



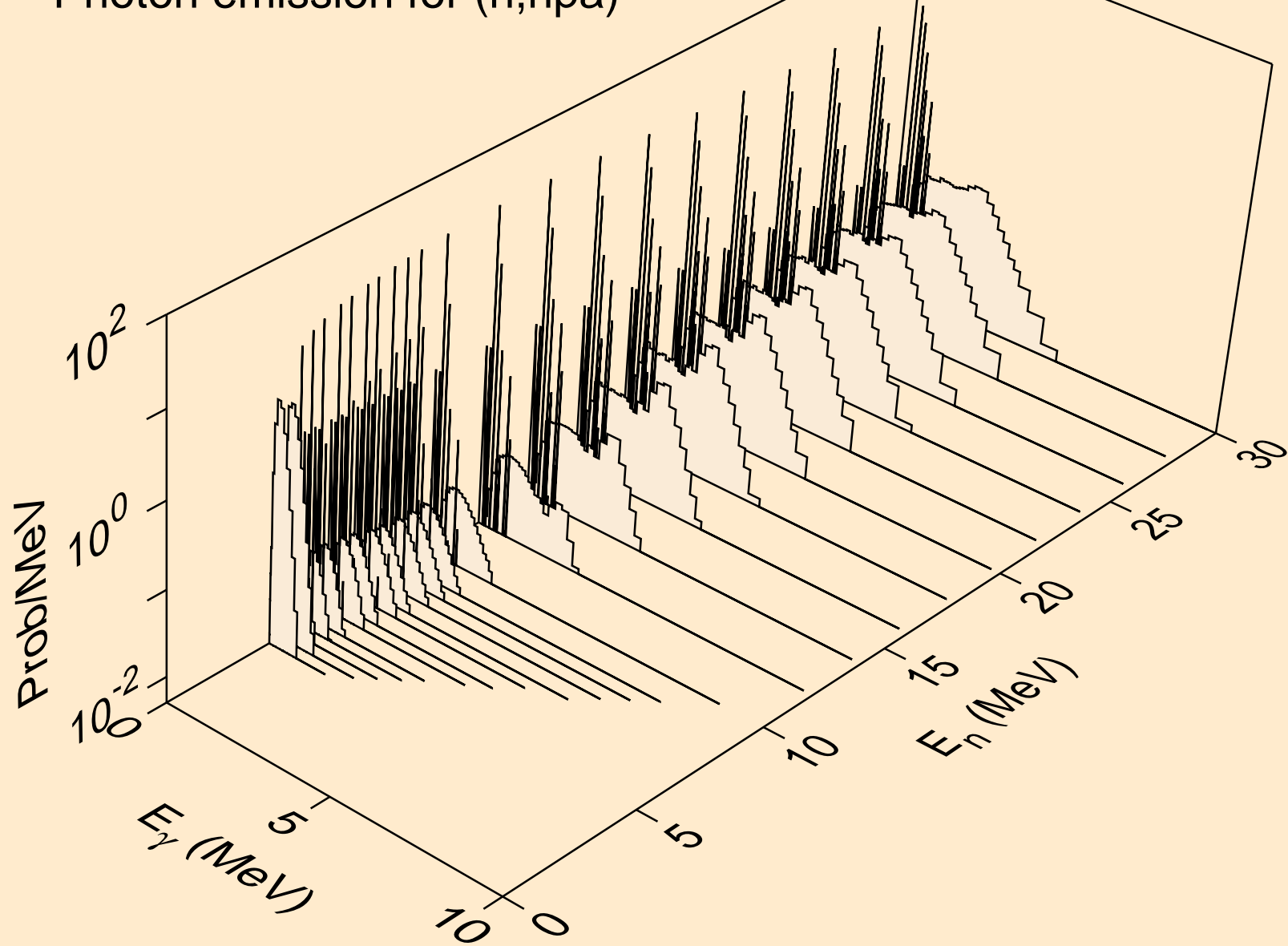
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

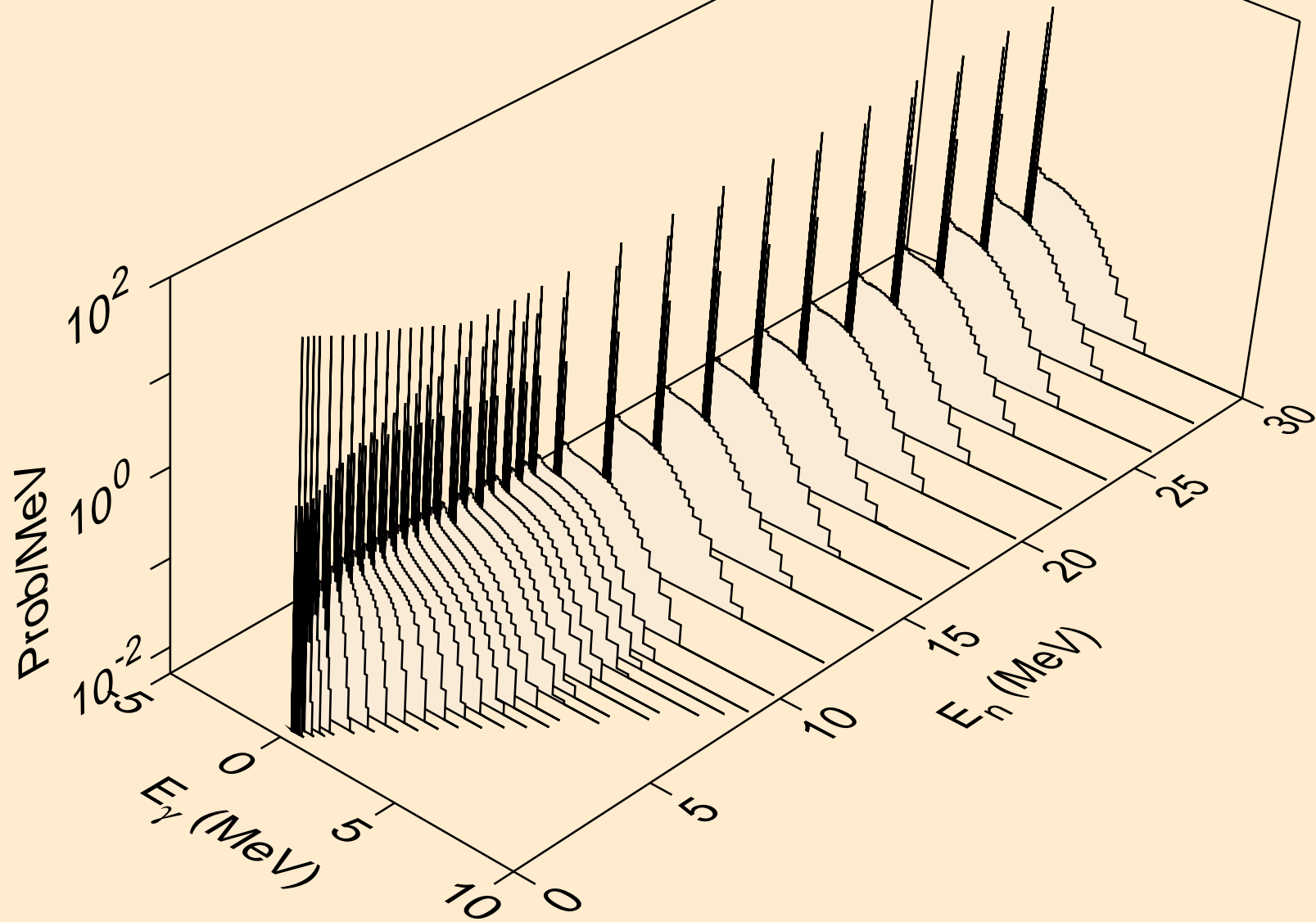


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

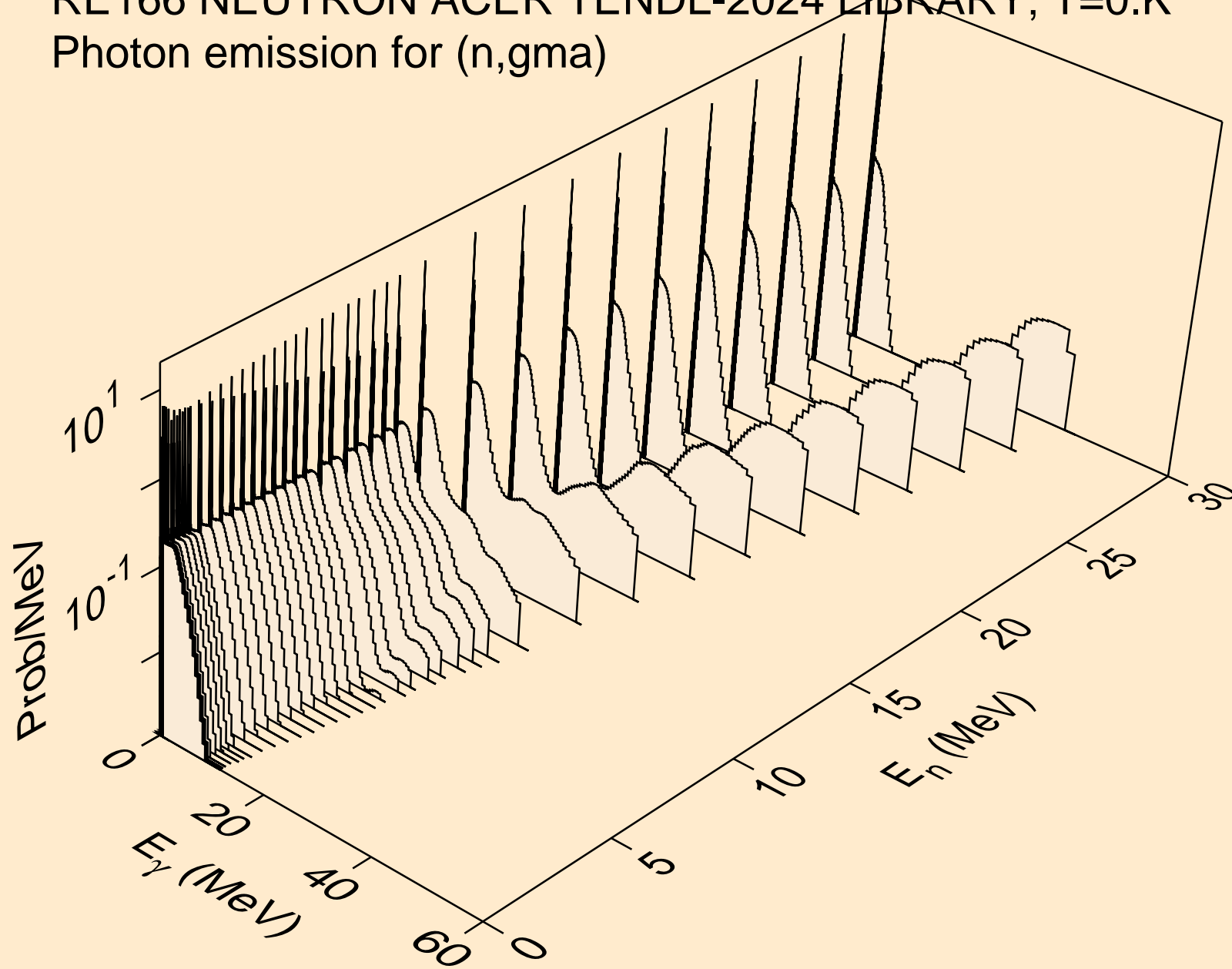




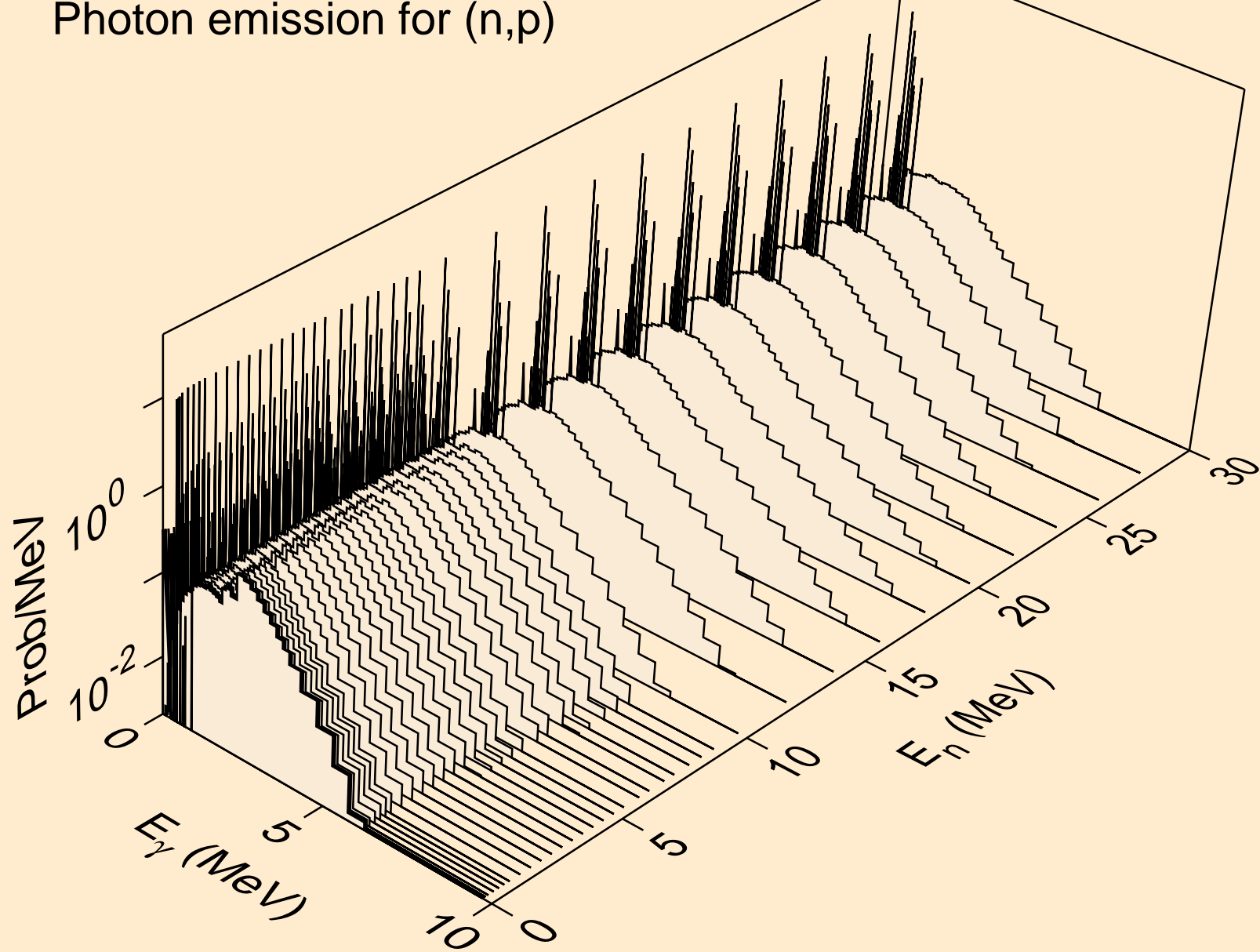
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



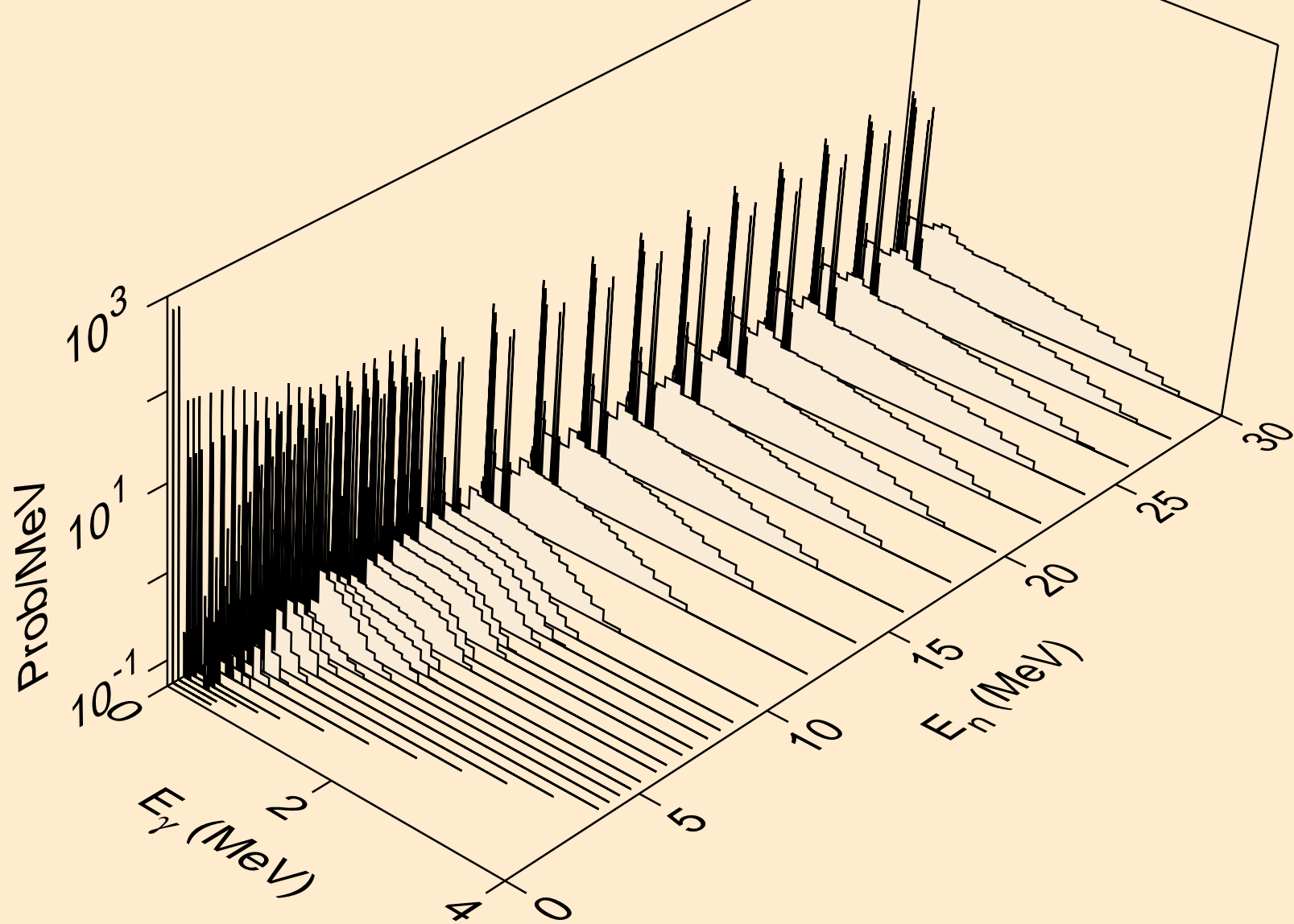
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



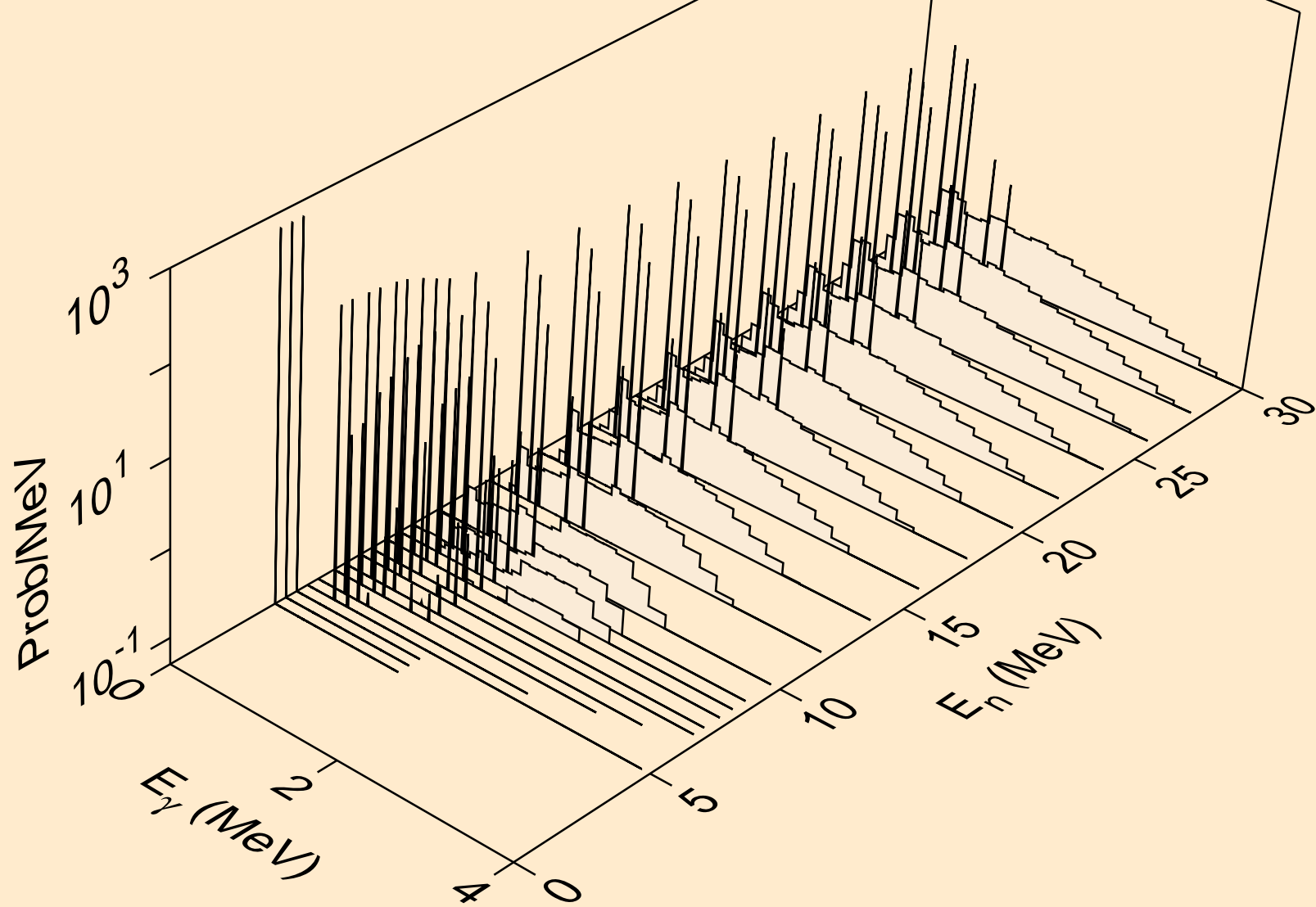
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



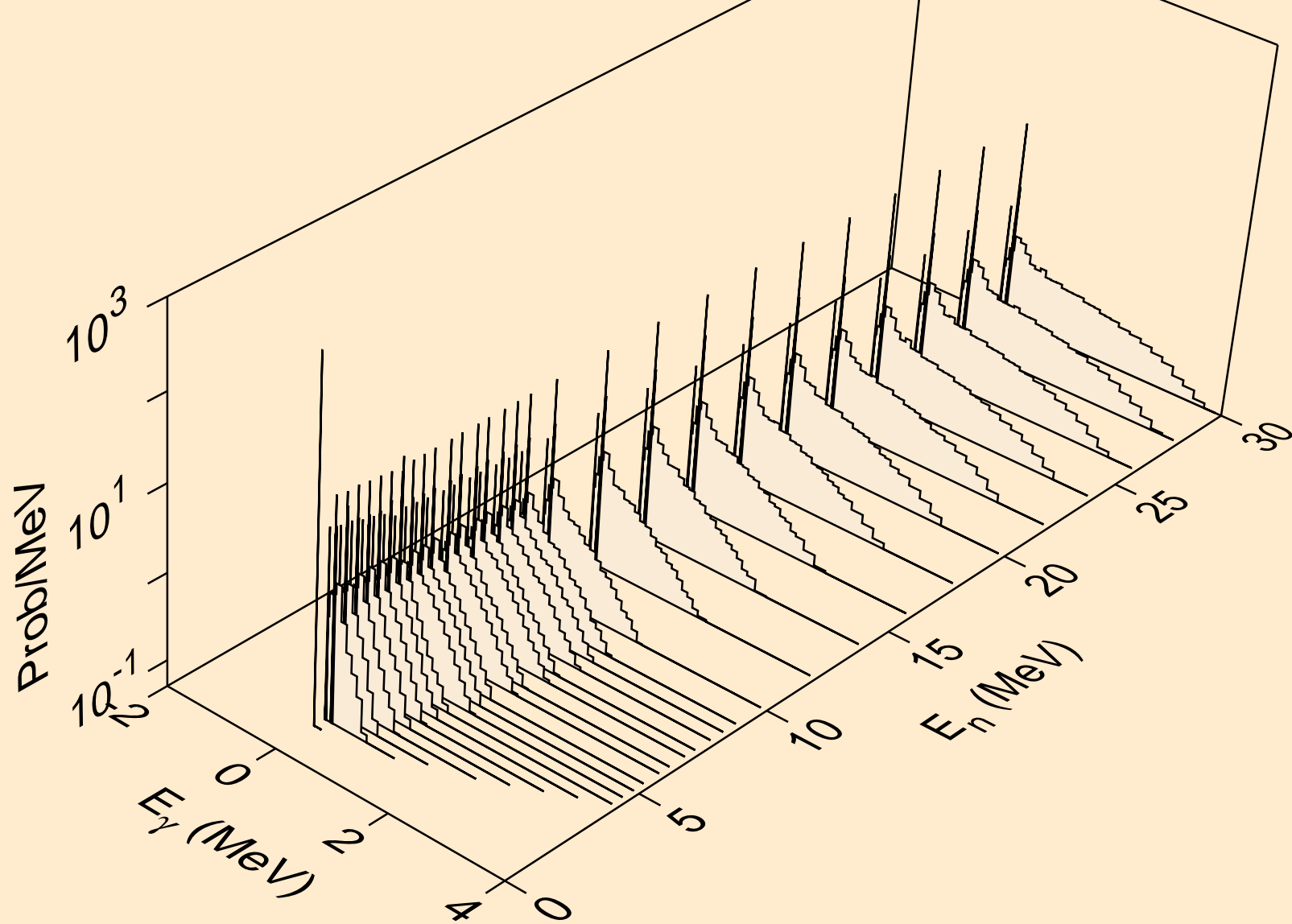
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



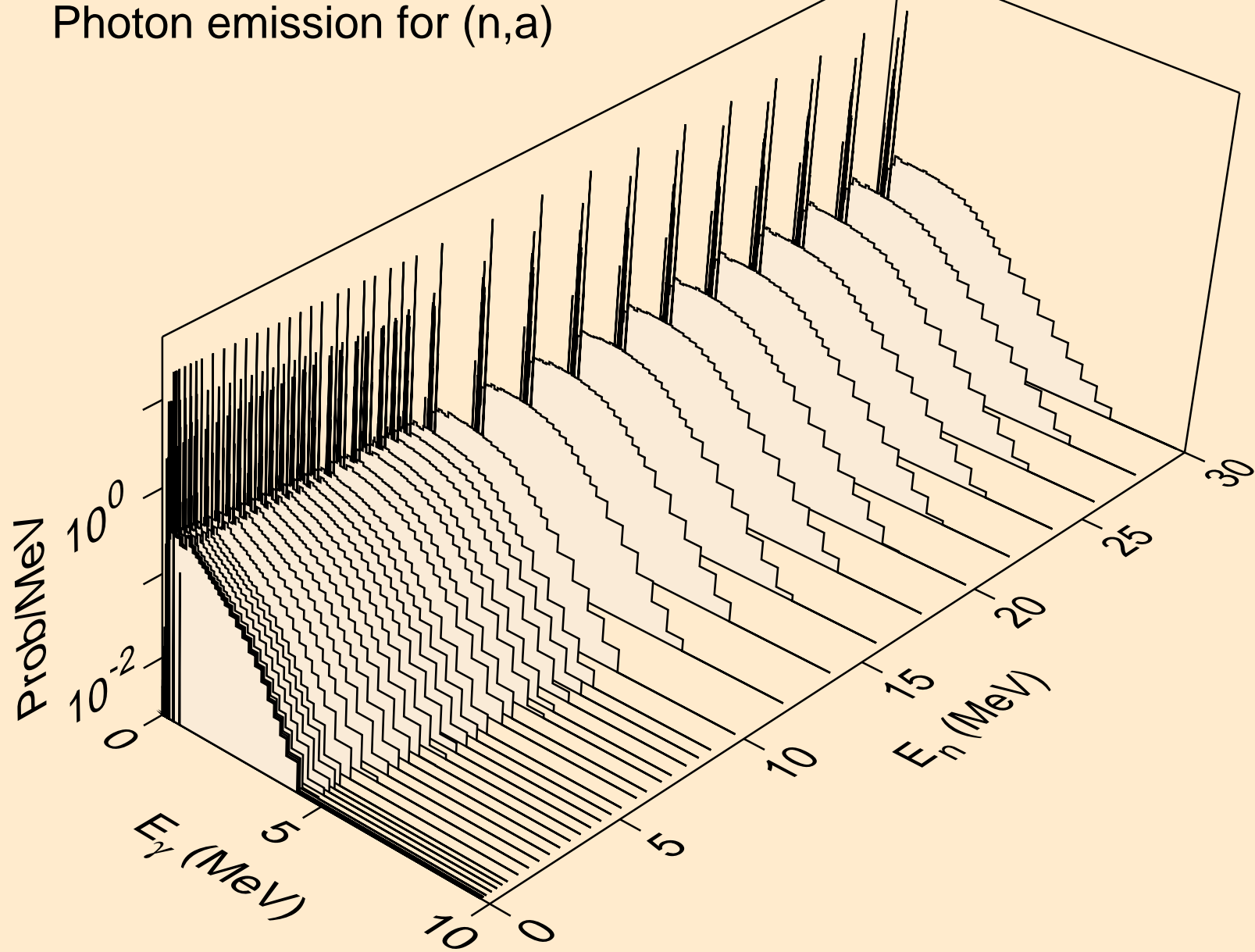
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



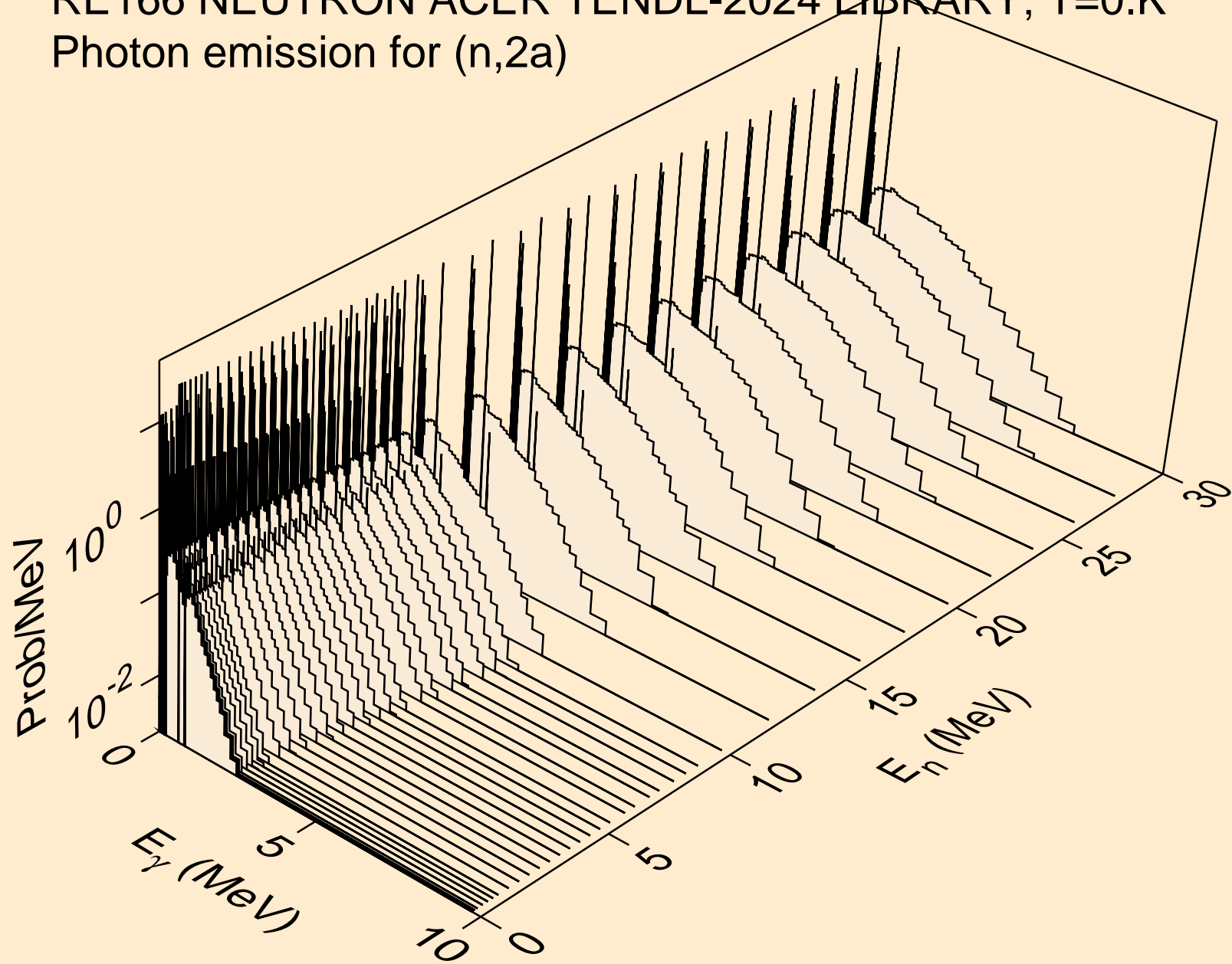
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

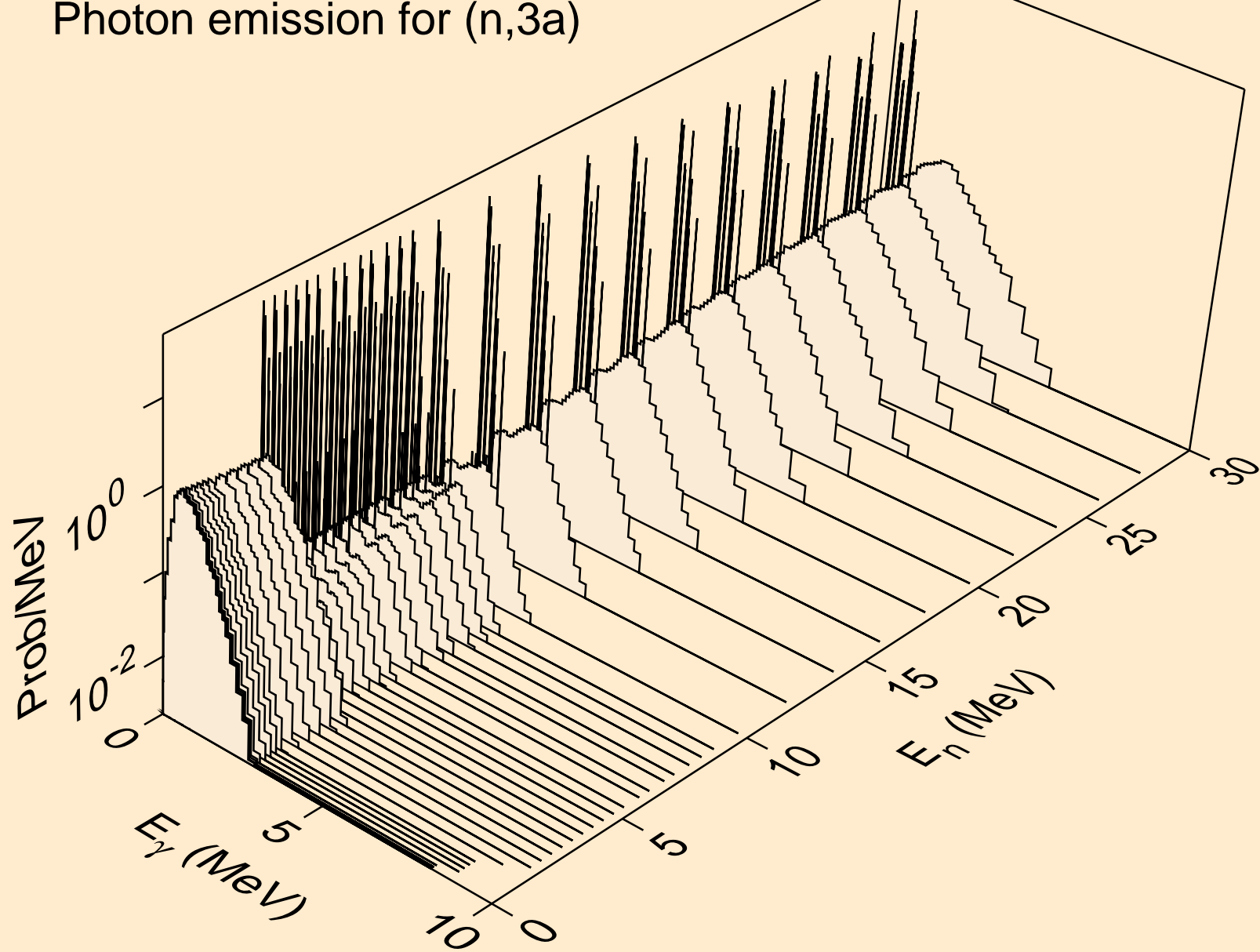


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

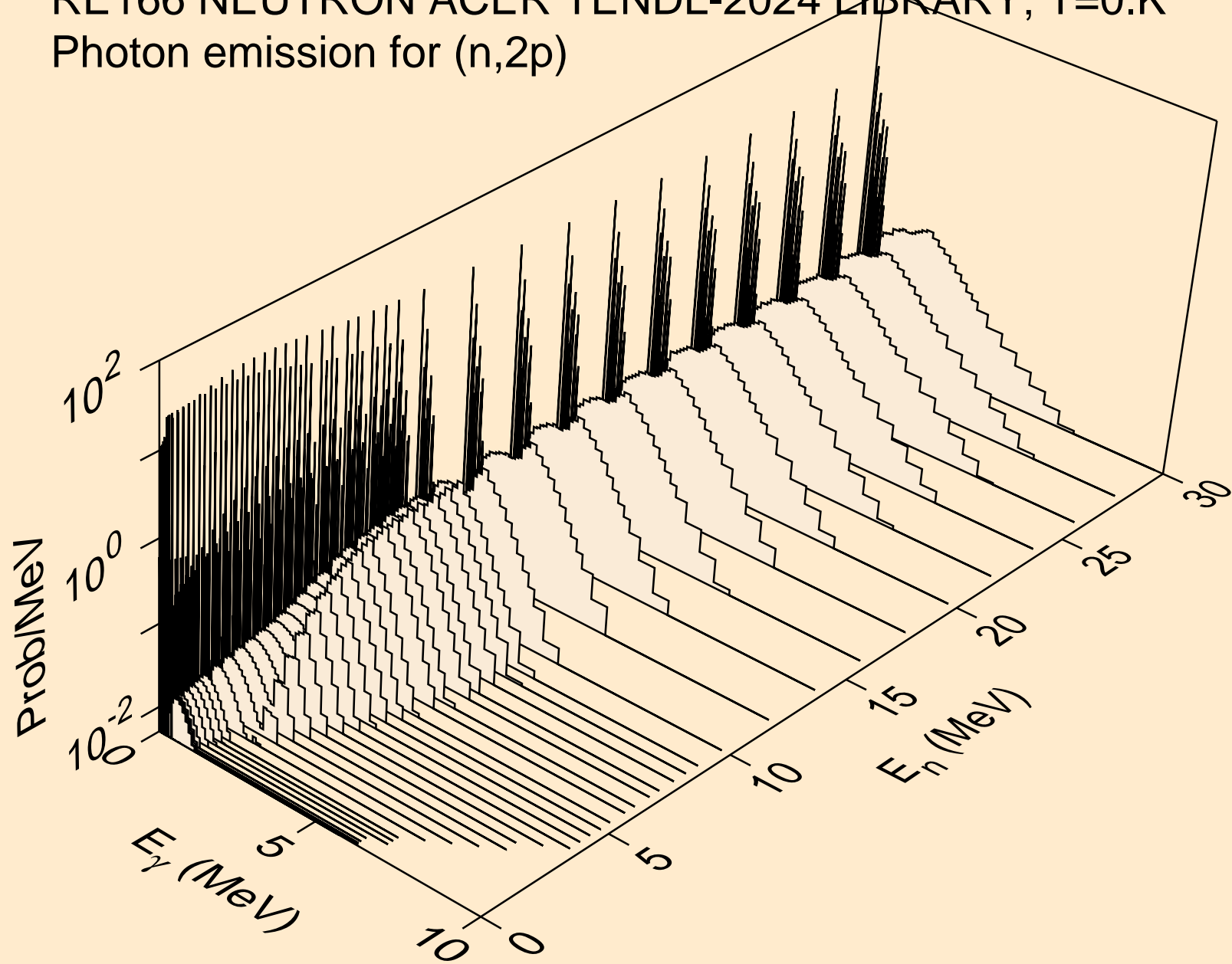




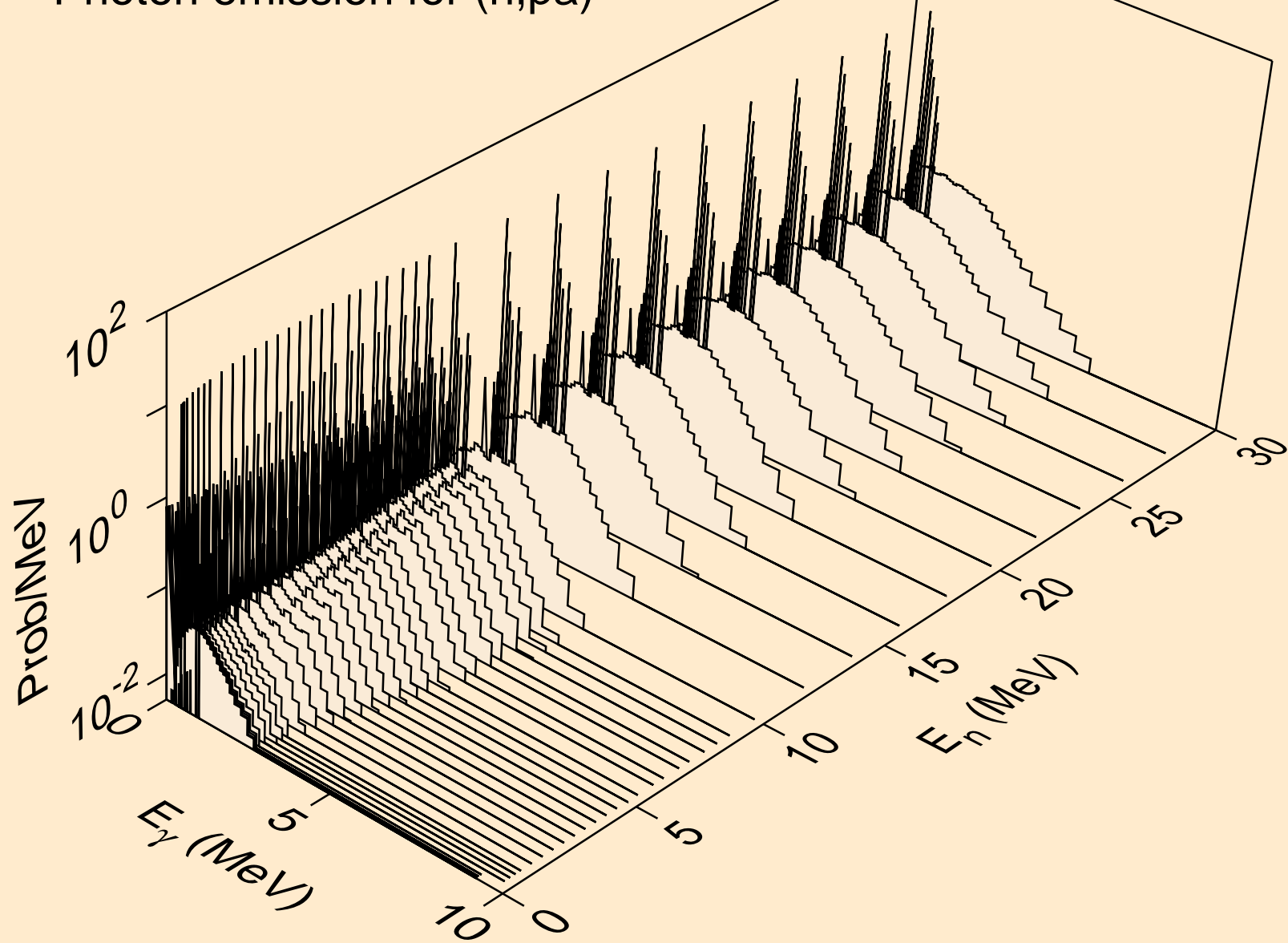
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



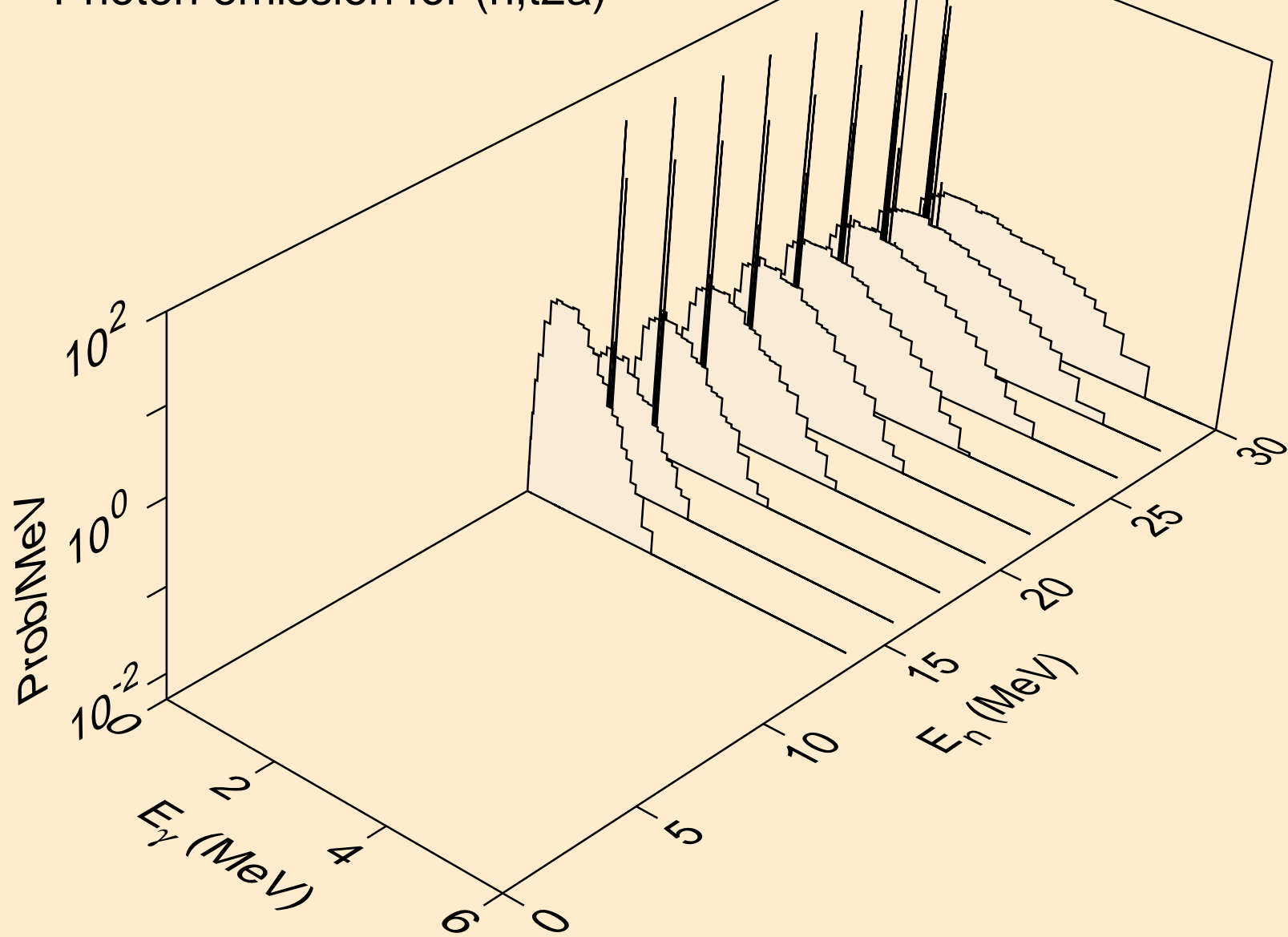
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



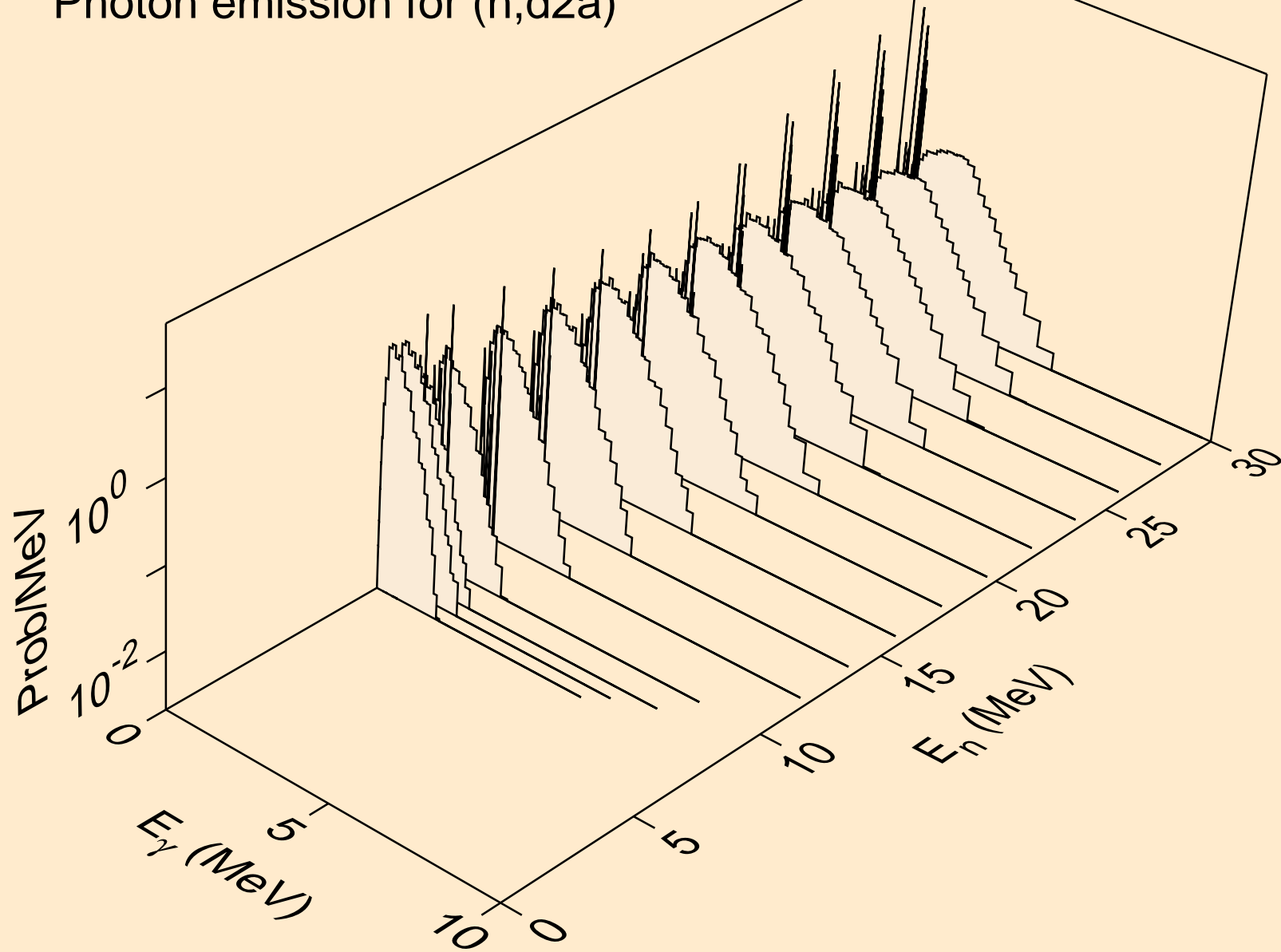
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



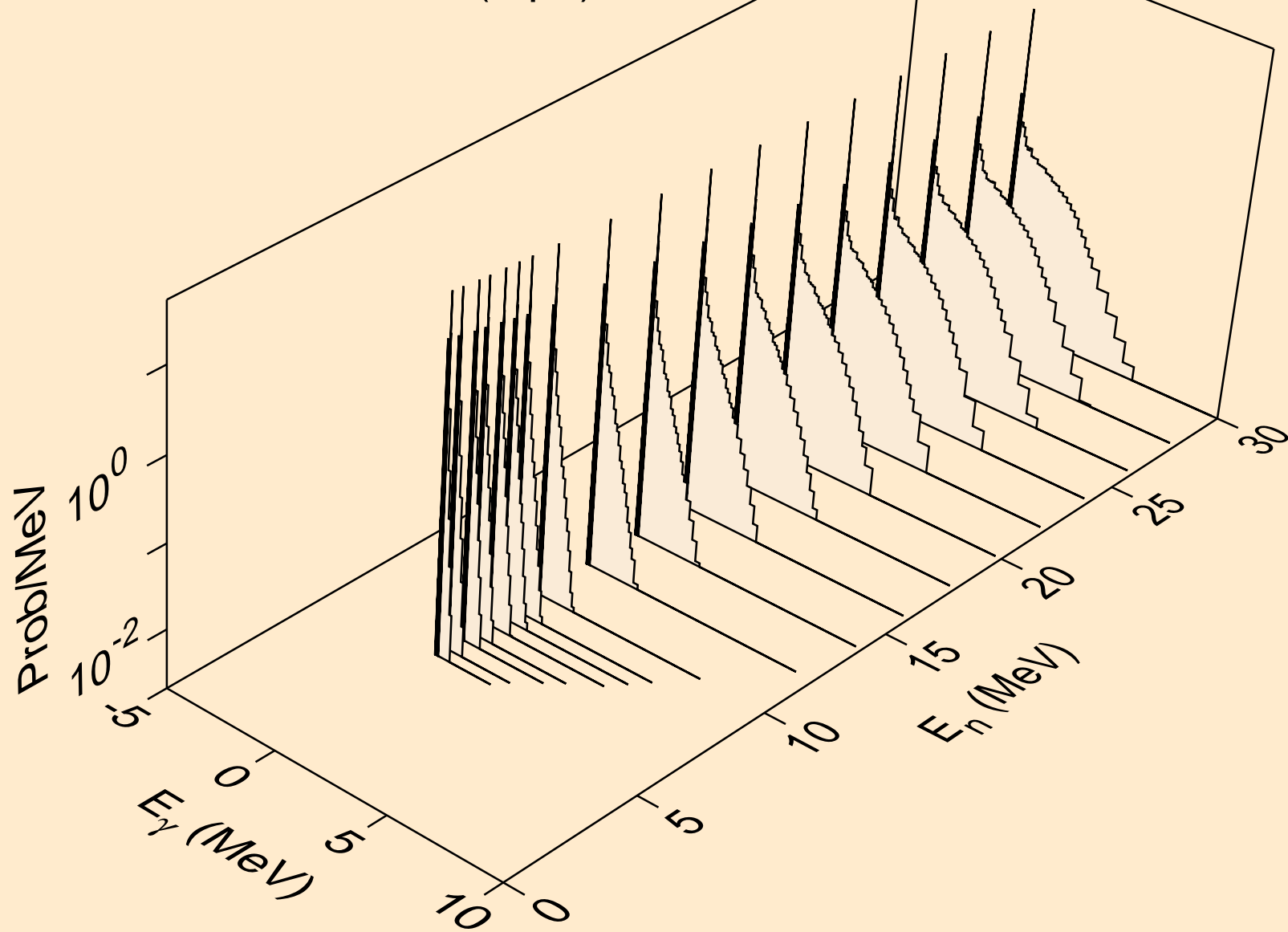
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)



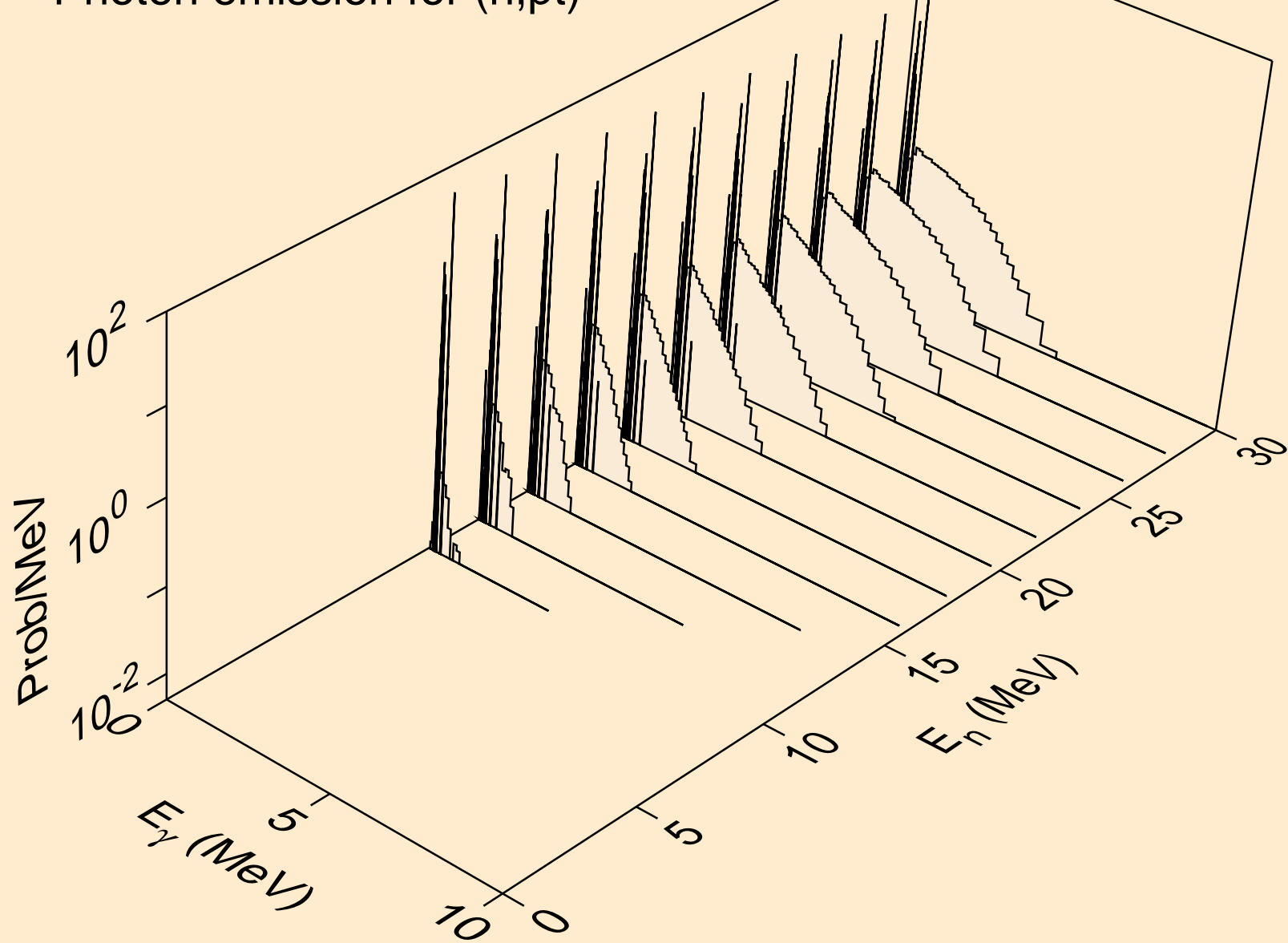
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



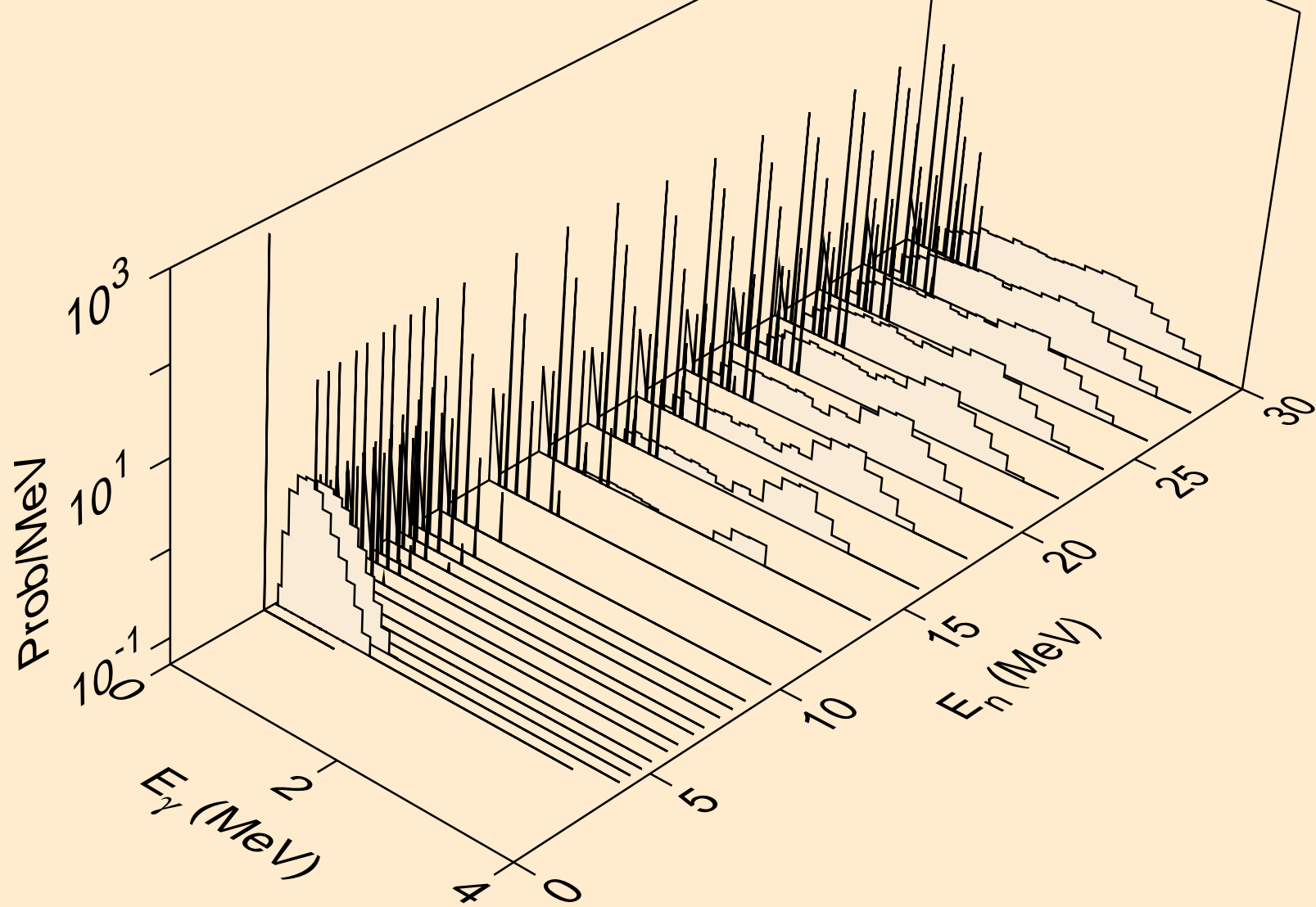
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

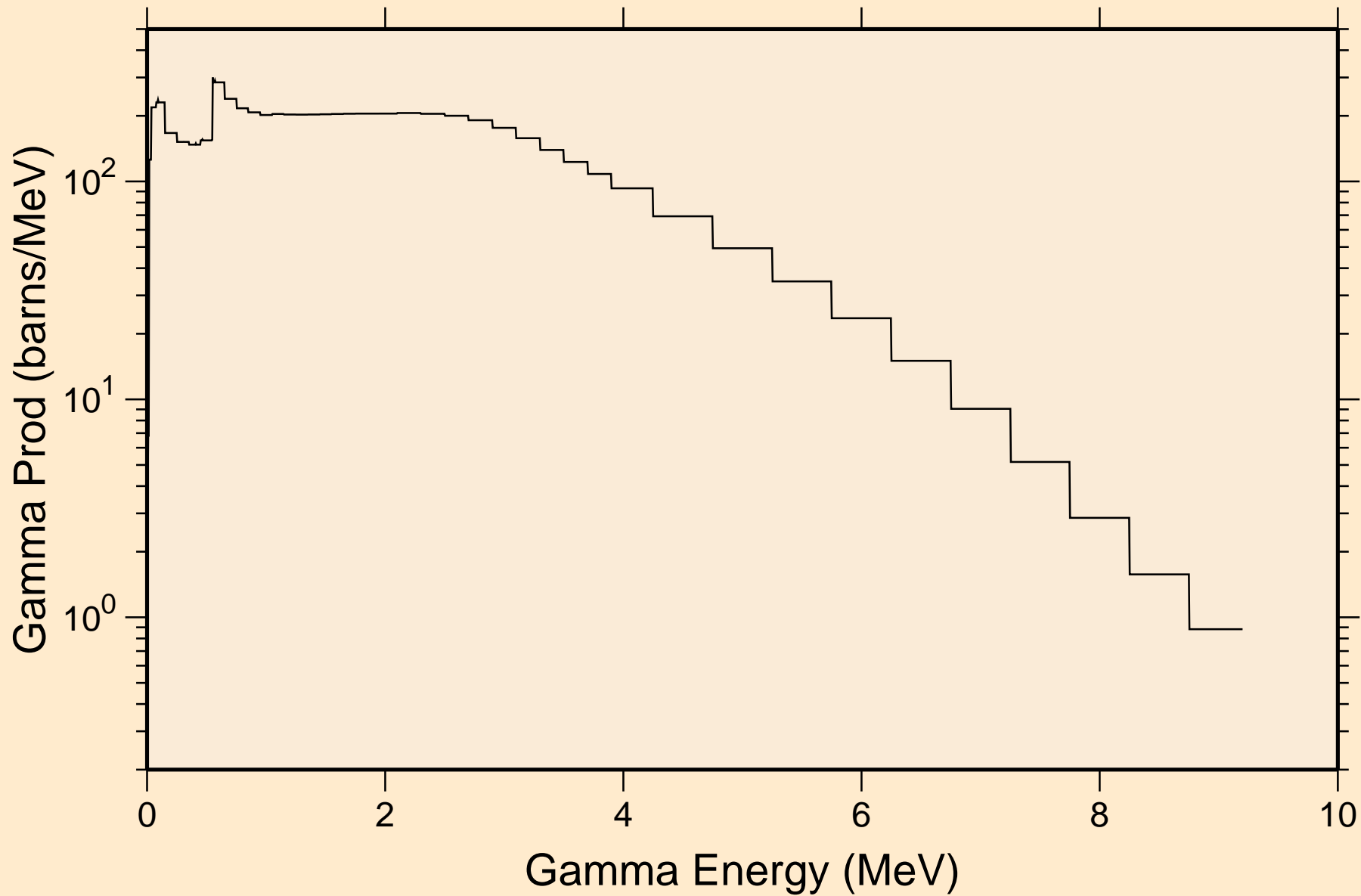


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

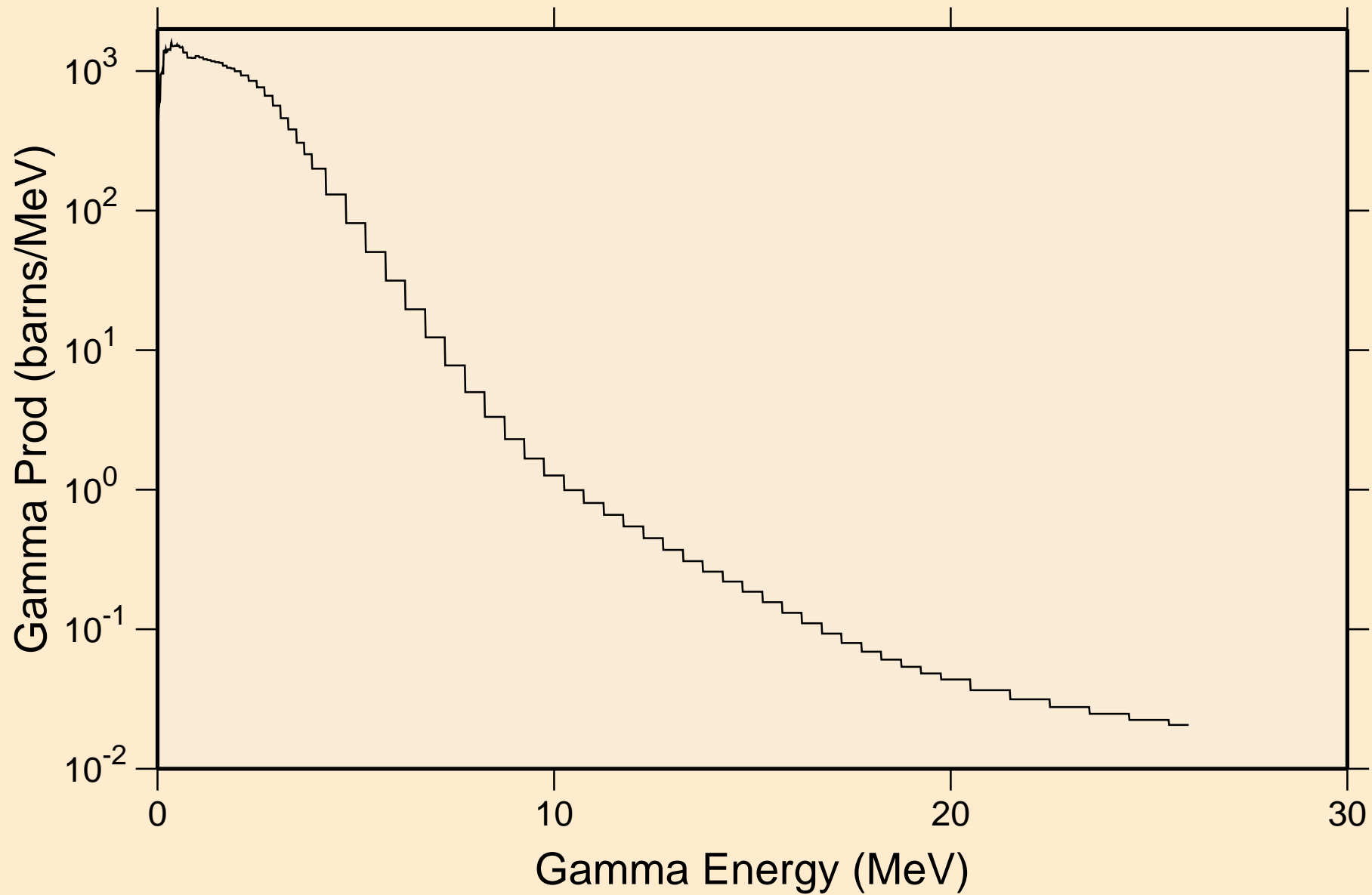




RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

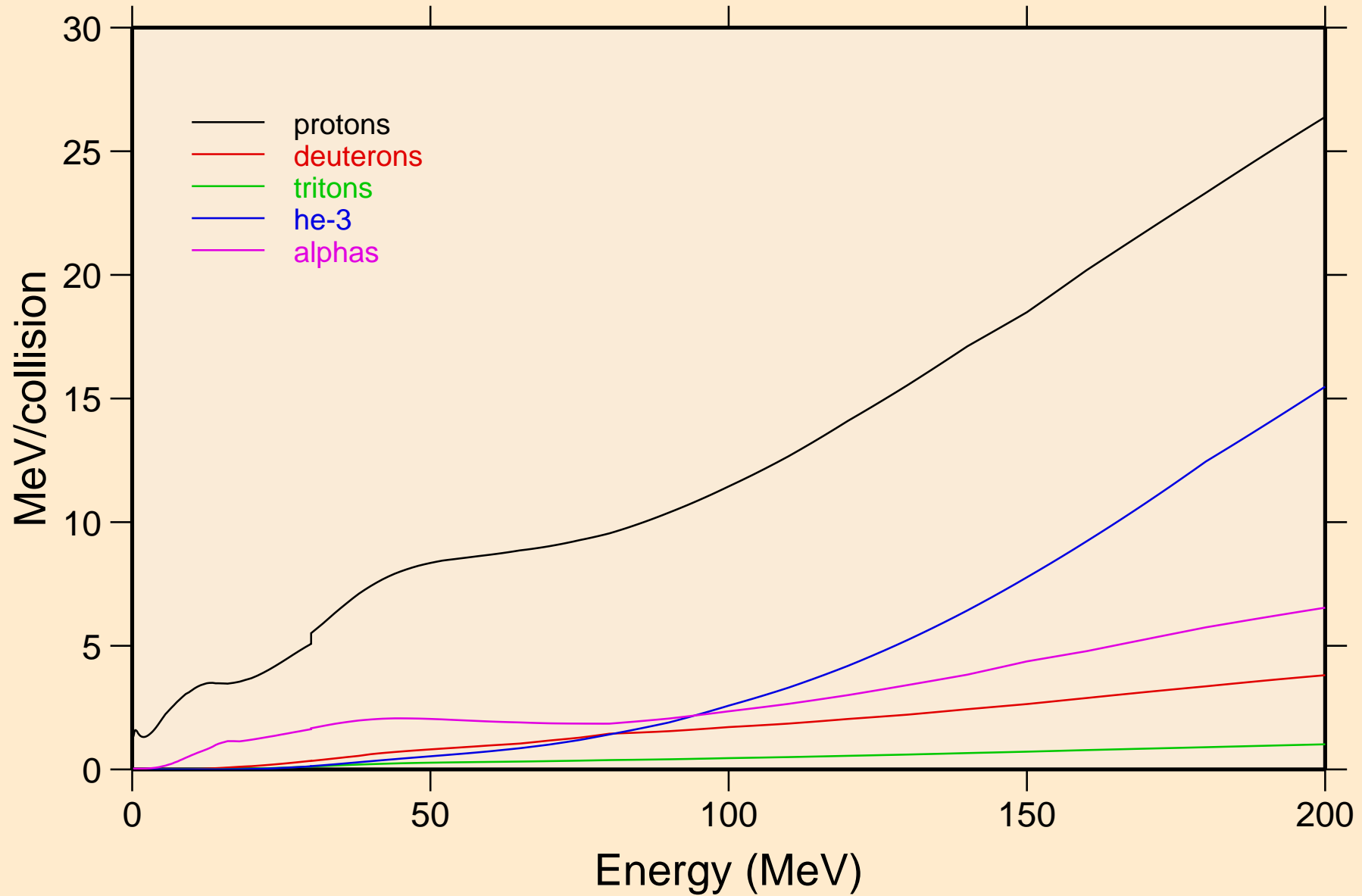


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

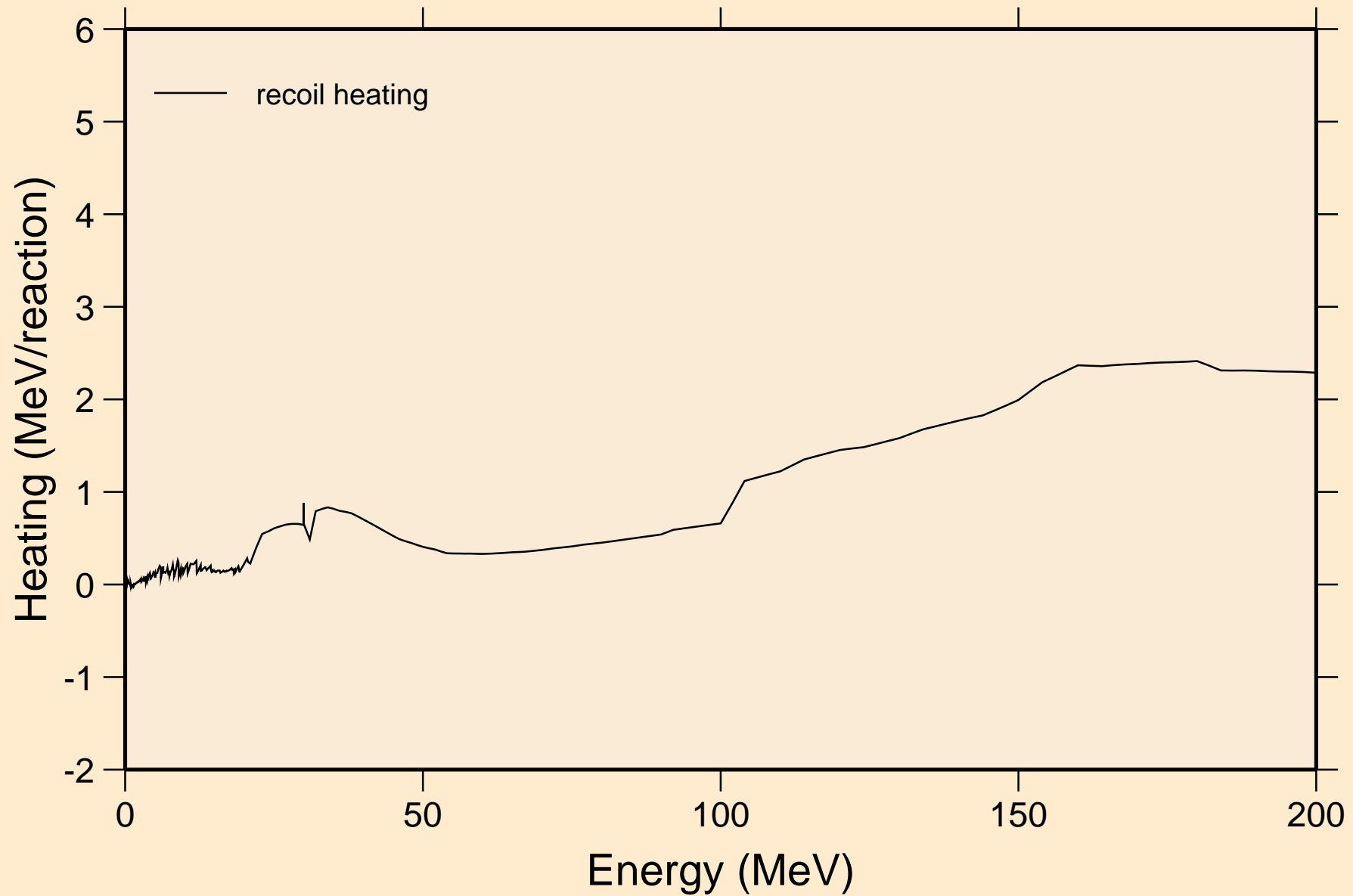


# RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

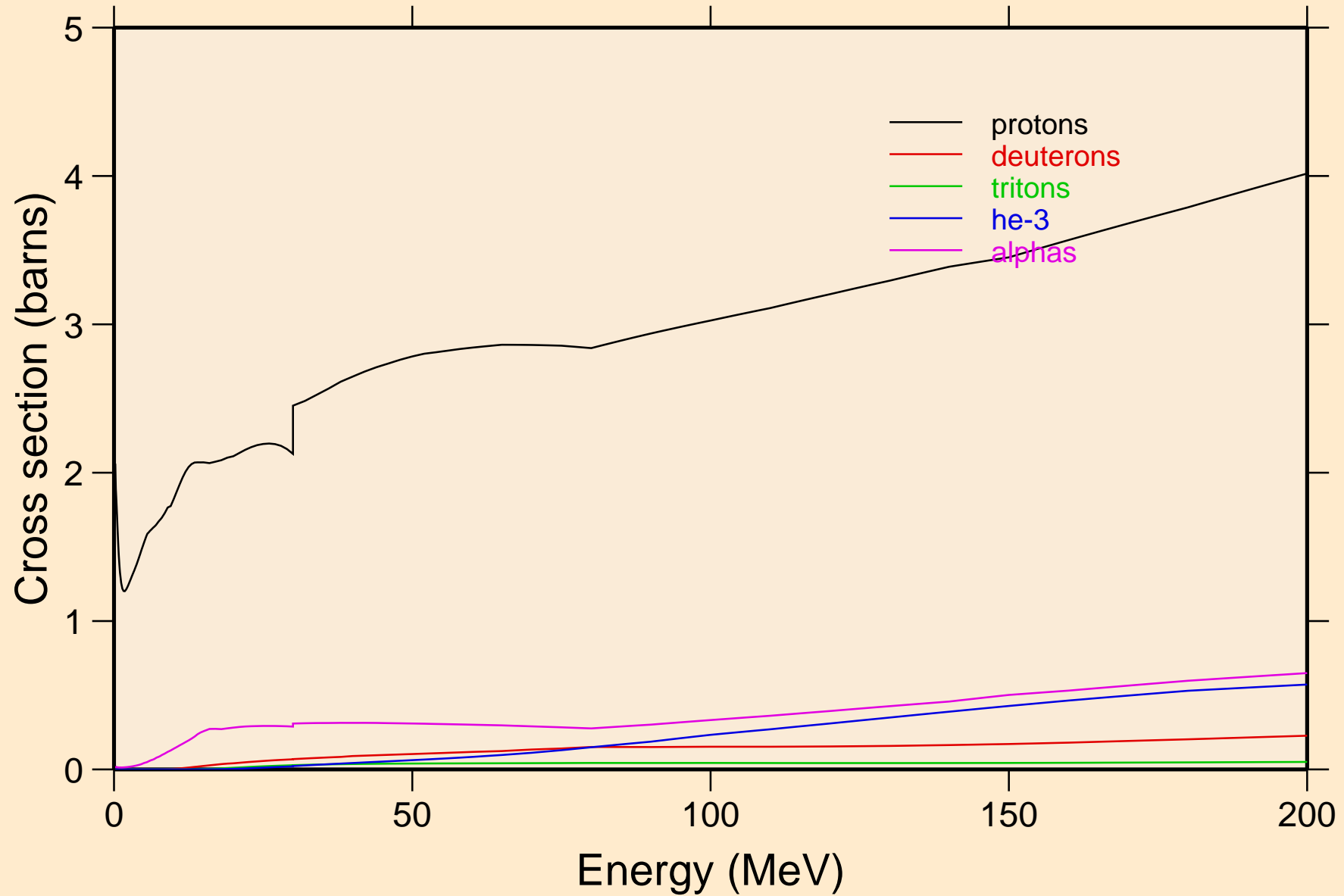
## Particle heating contributions



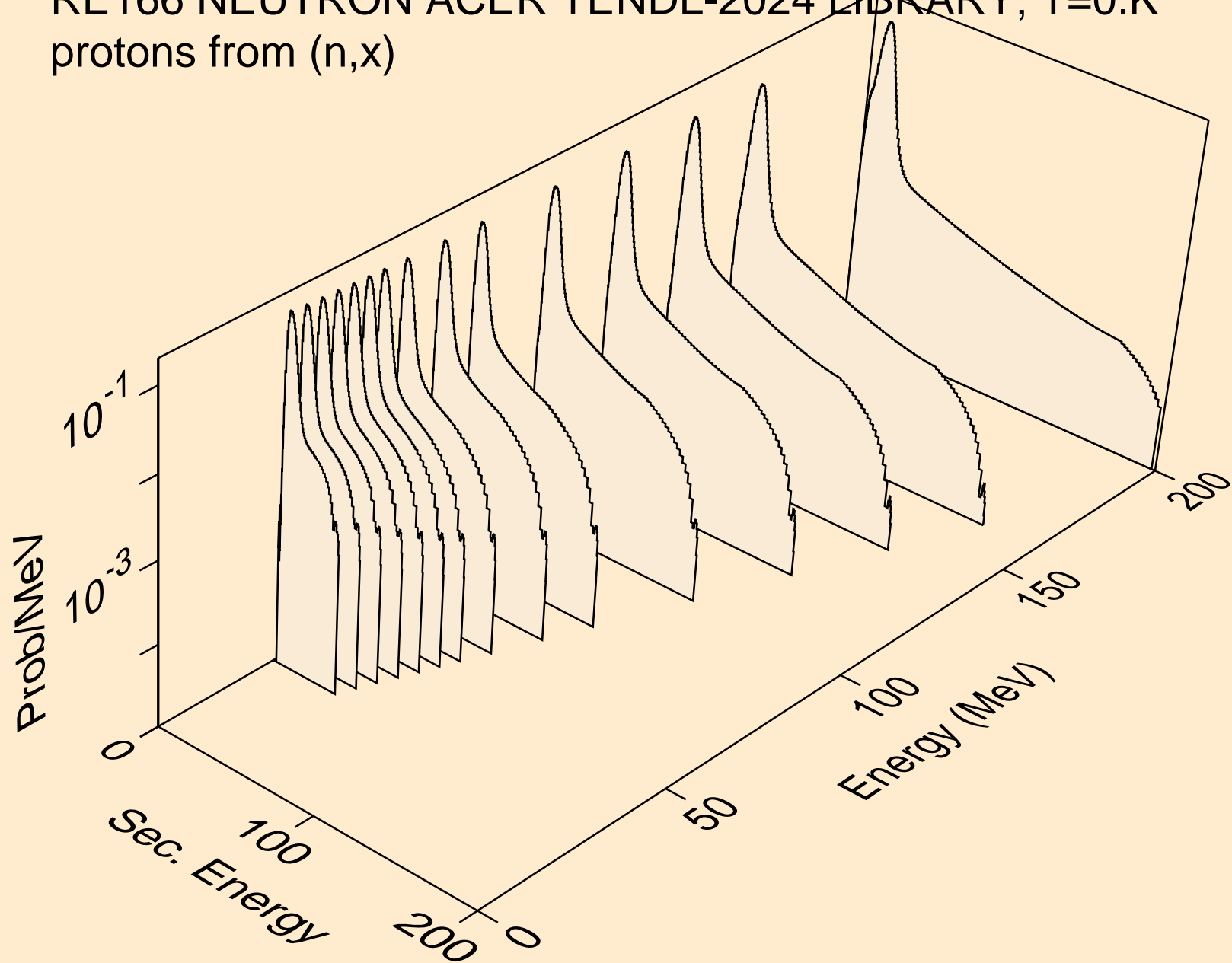
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



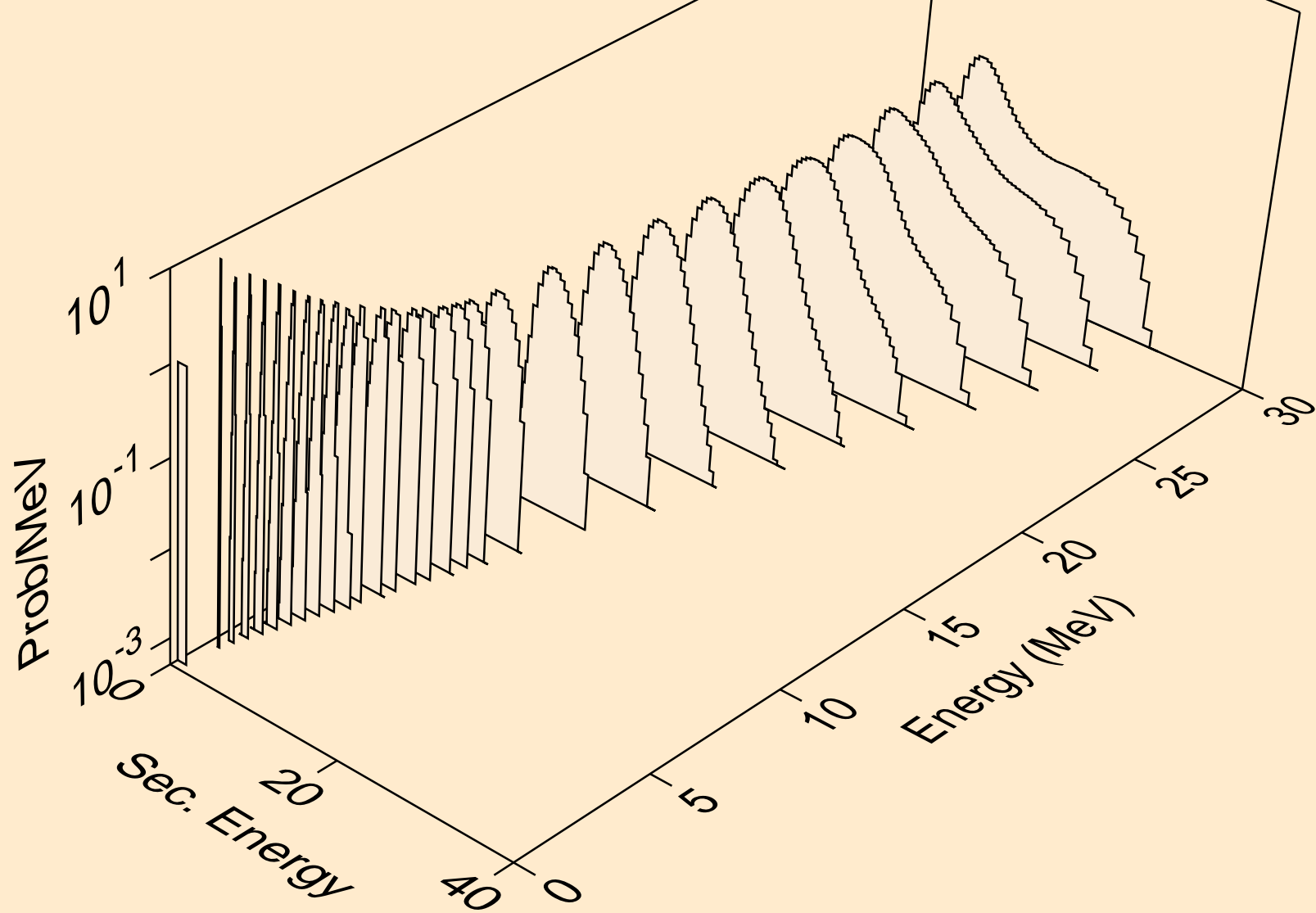
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



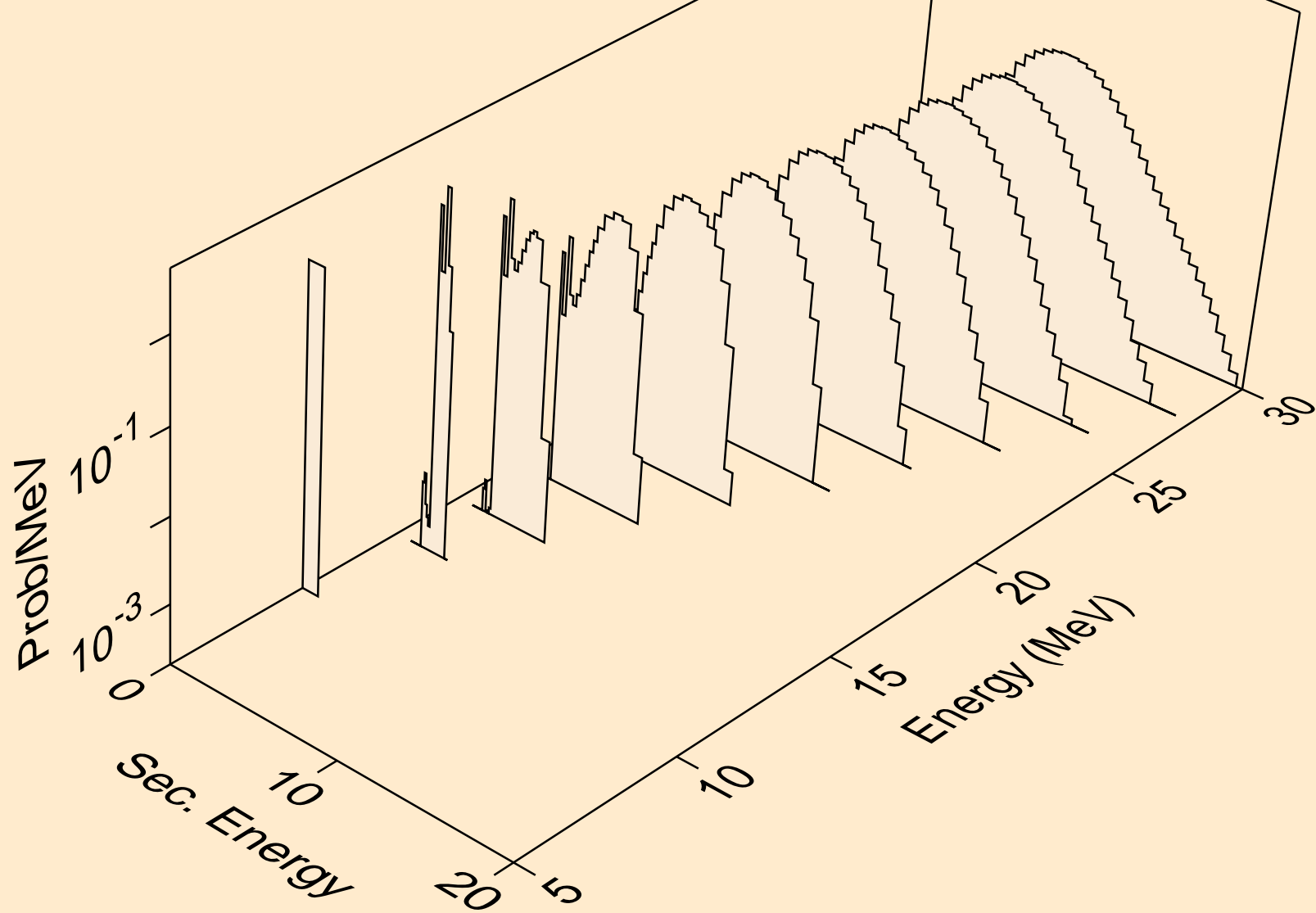
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

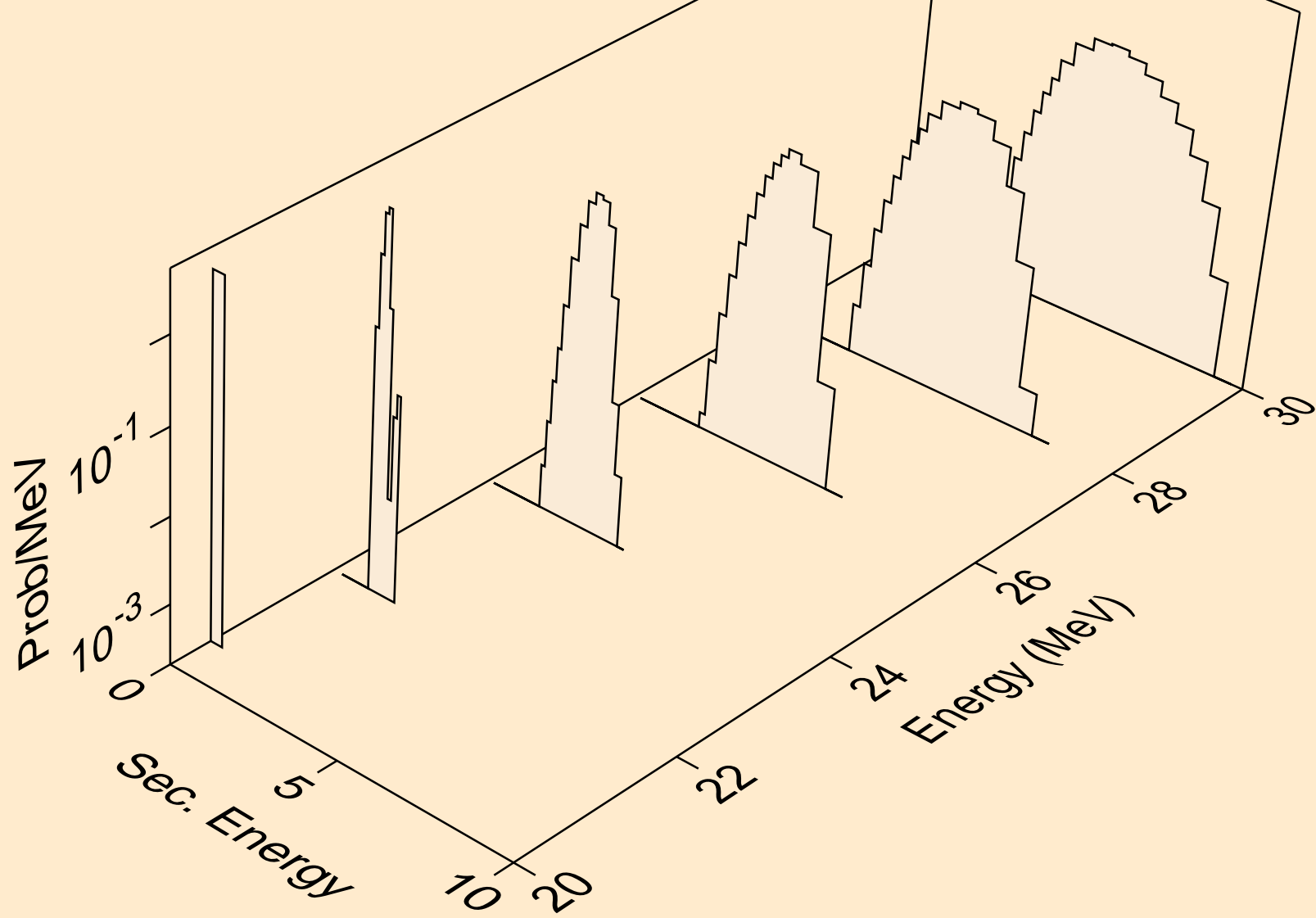


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)

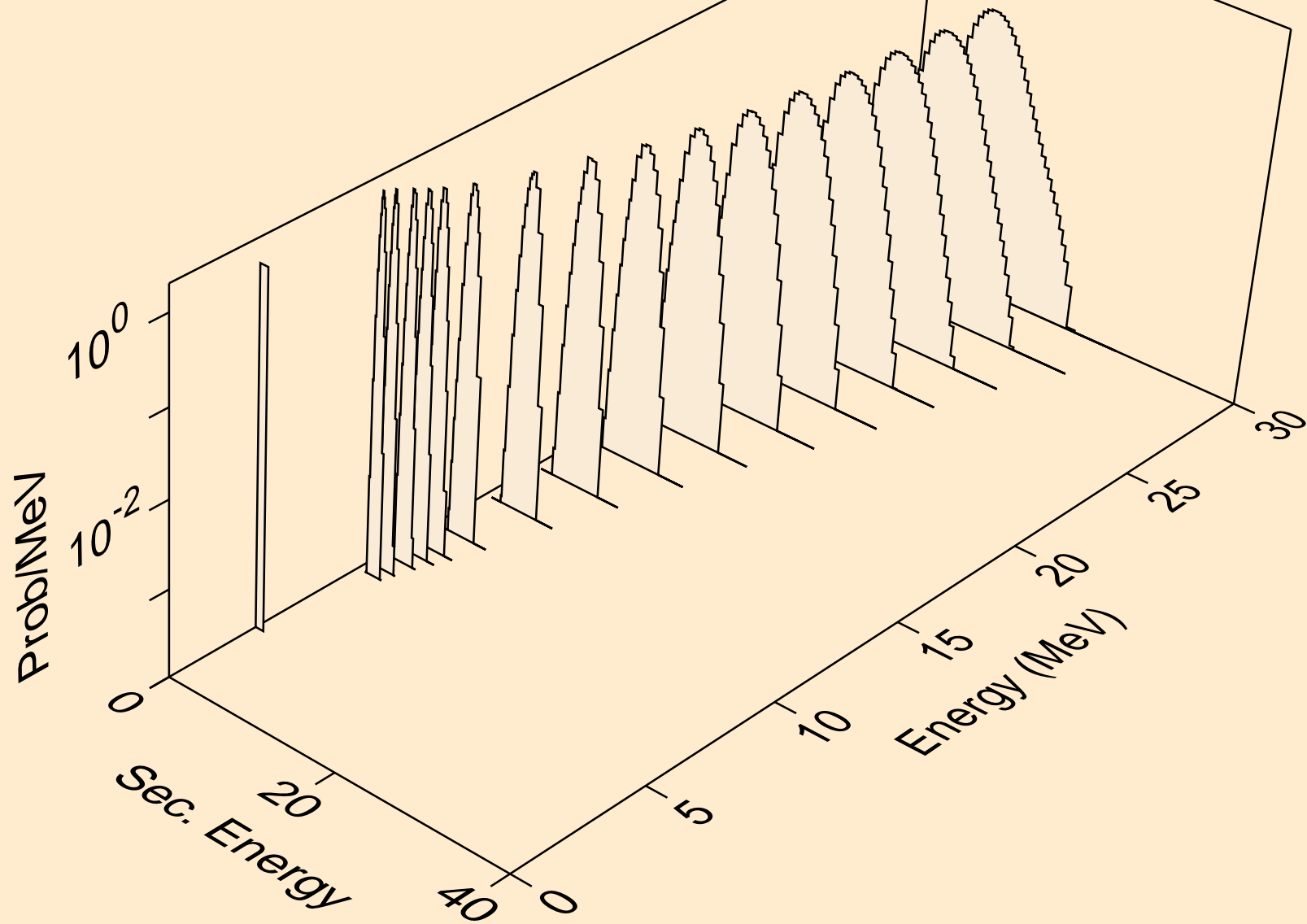




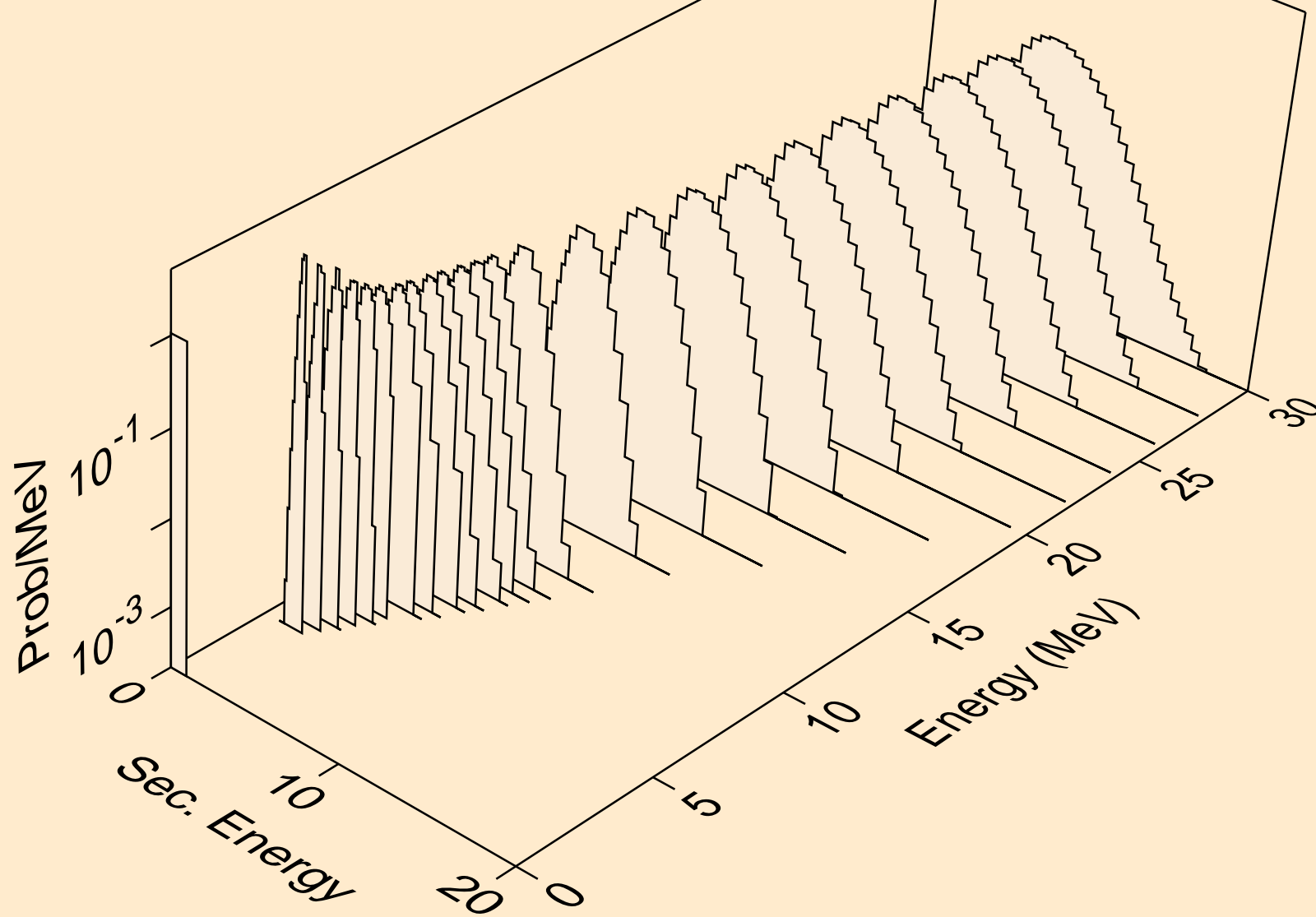
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



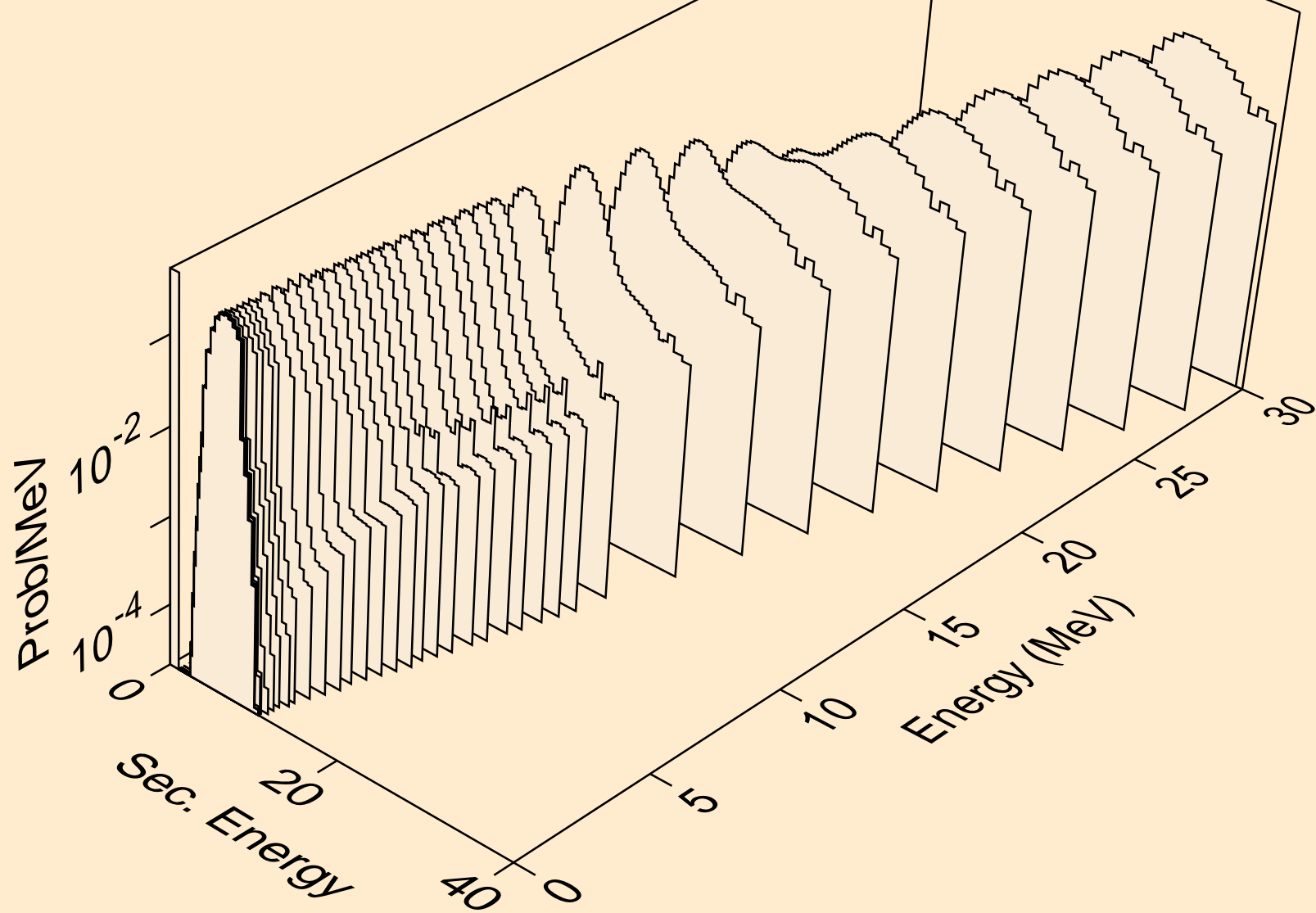
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



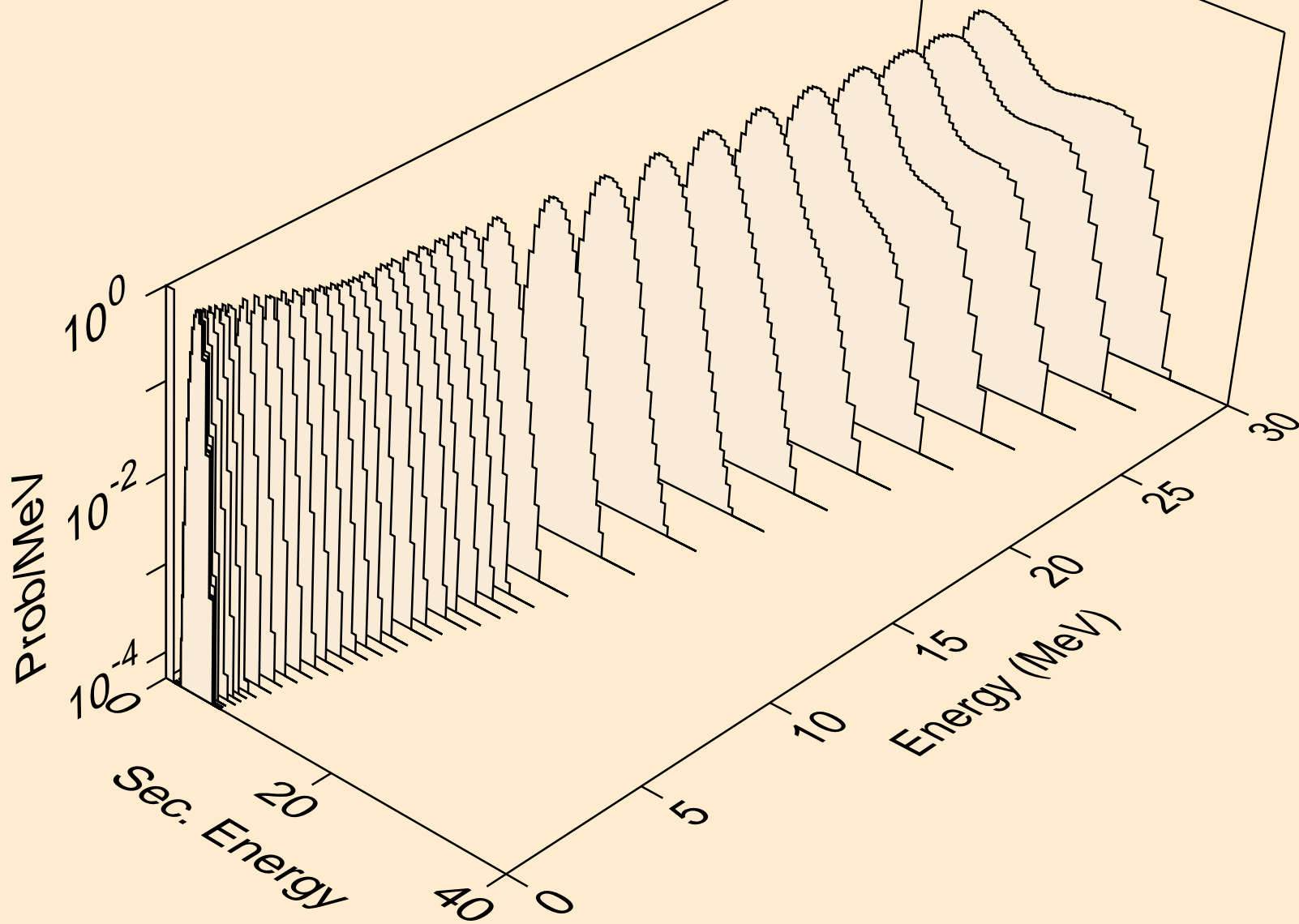
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protons from (n,npa)



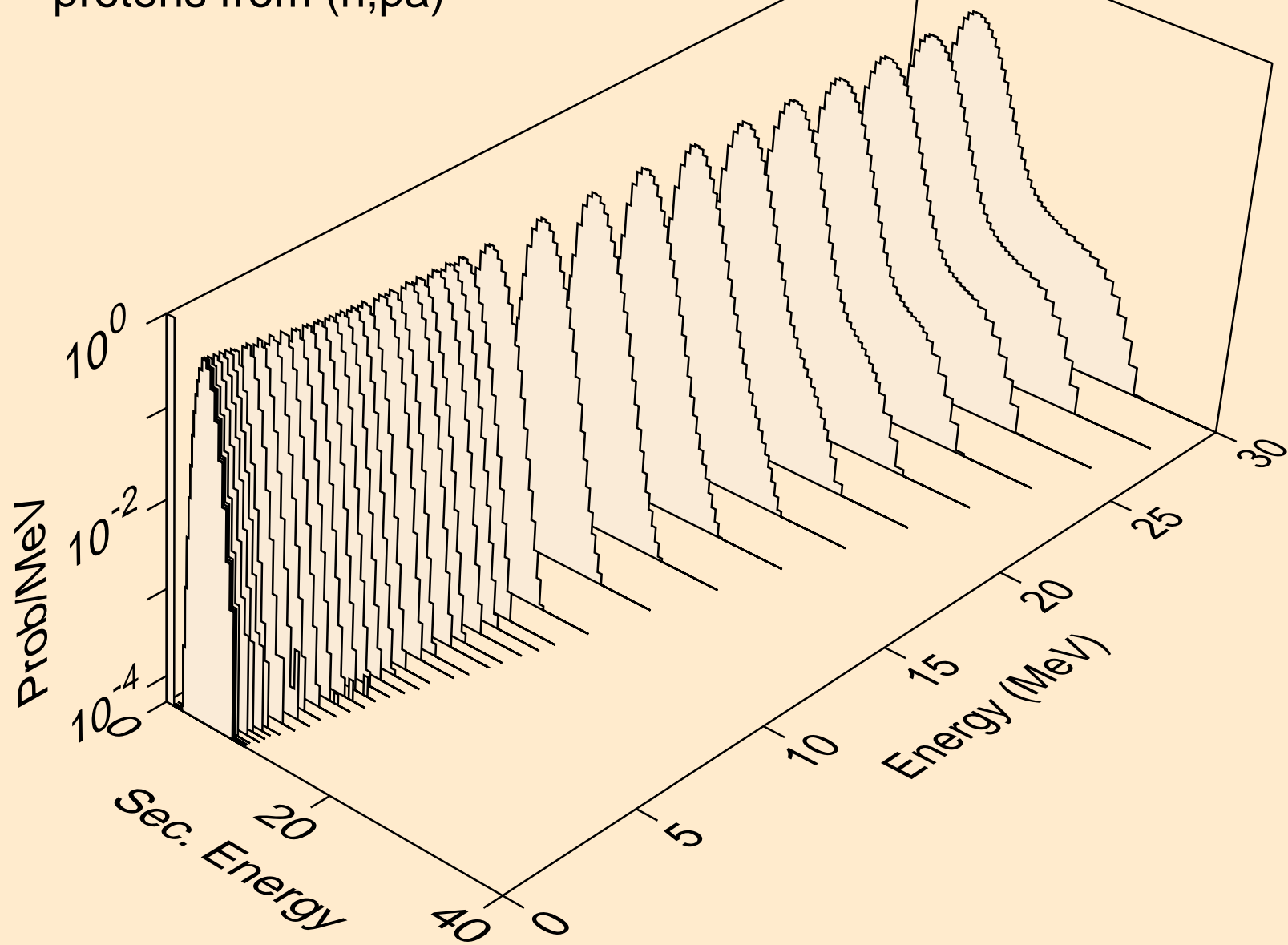
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



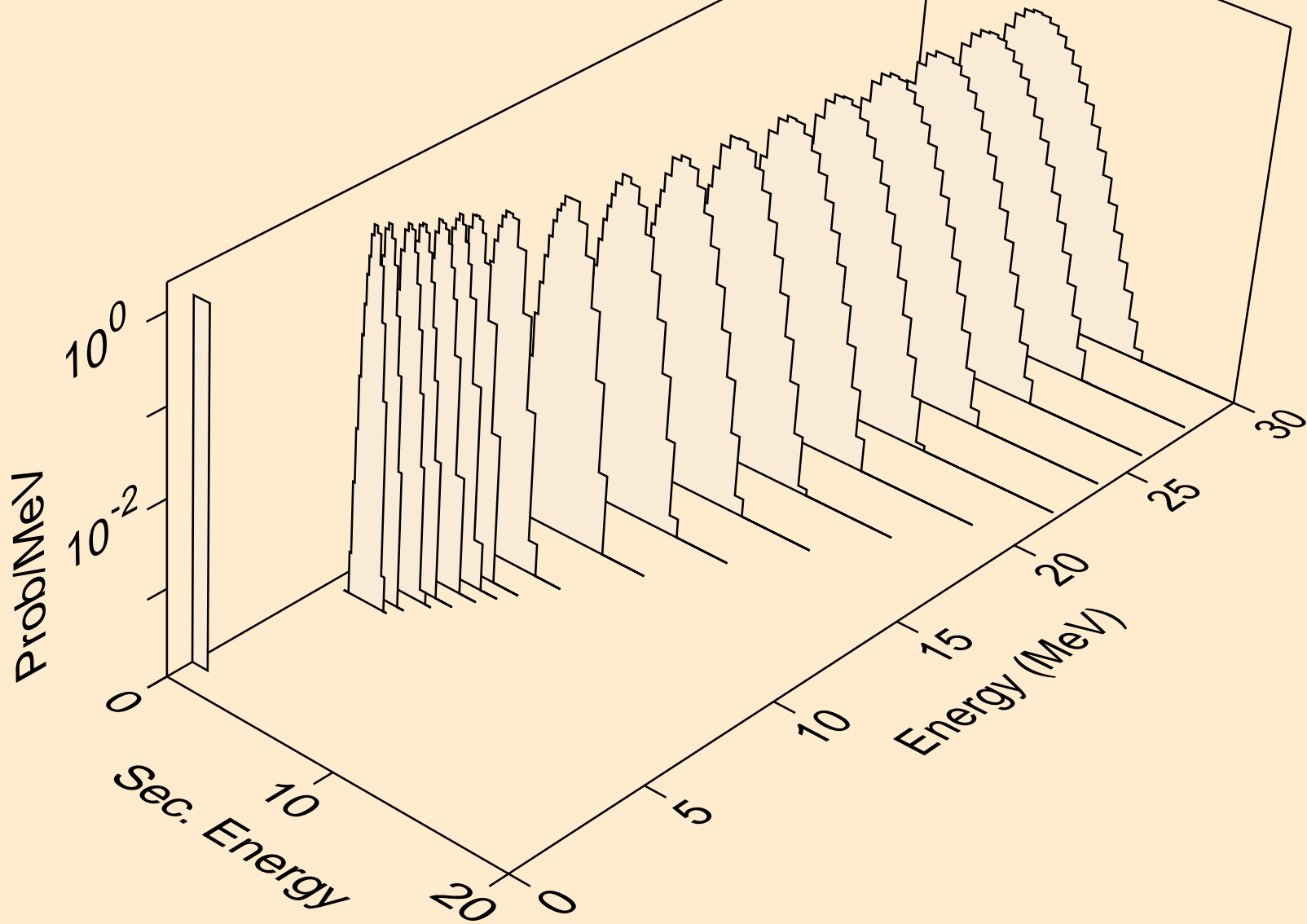
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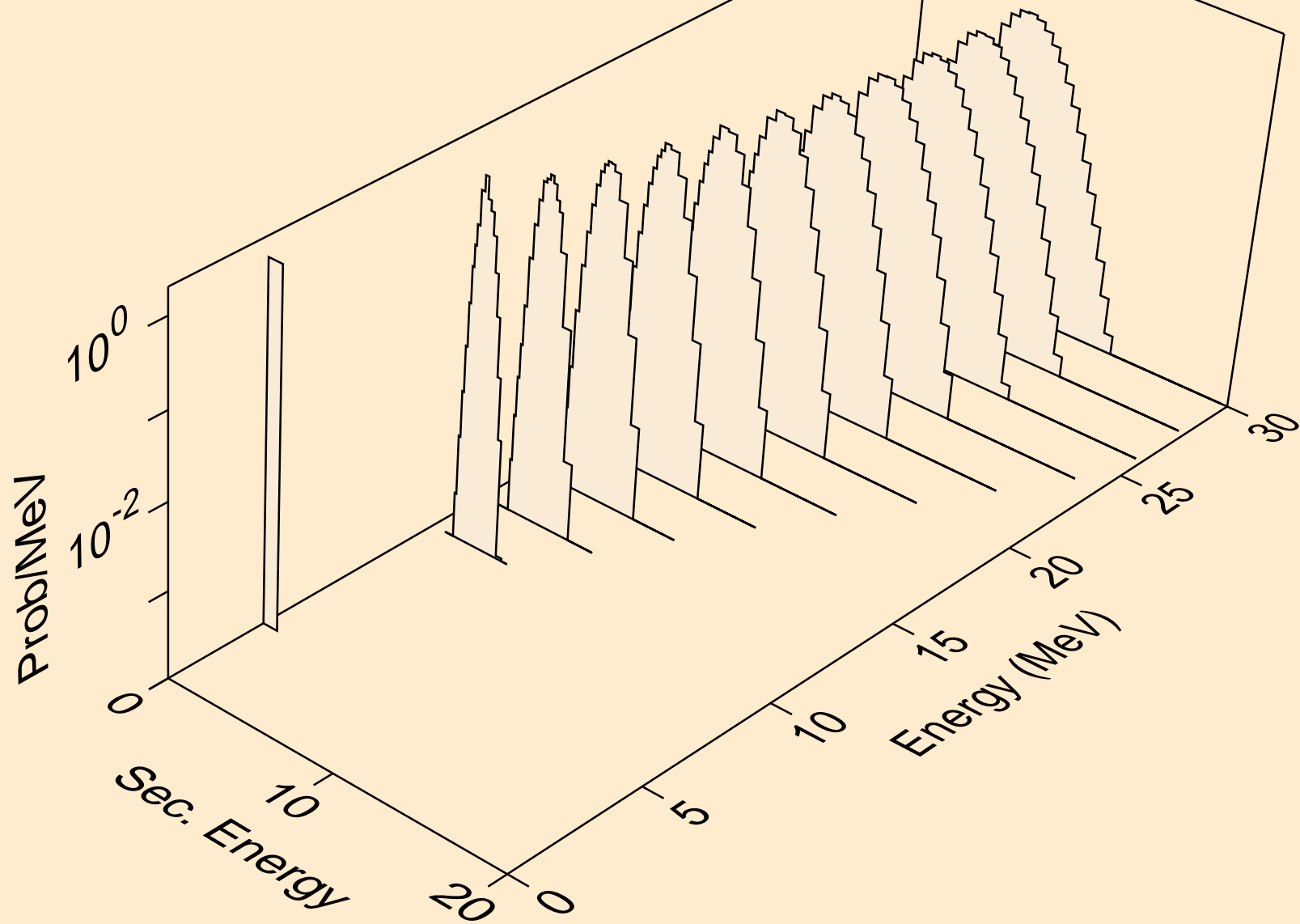
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)

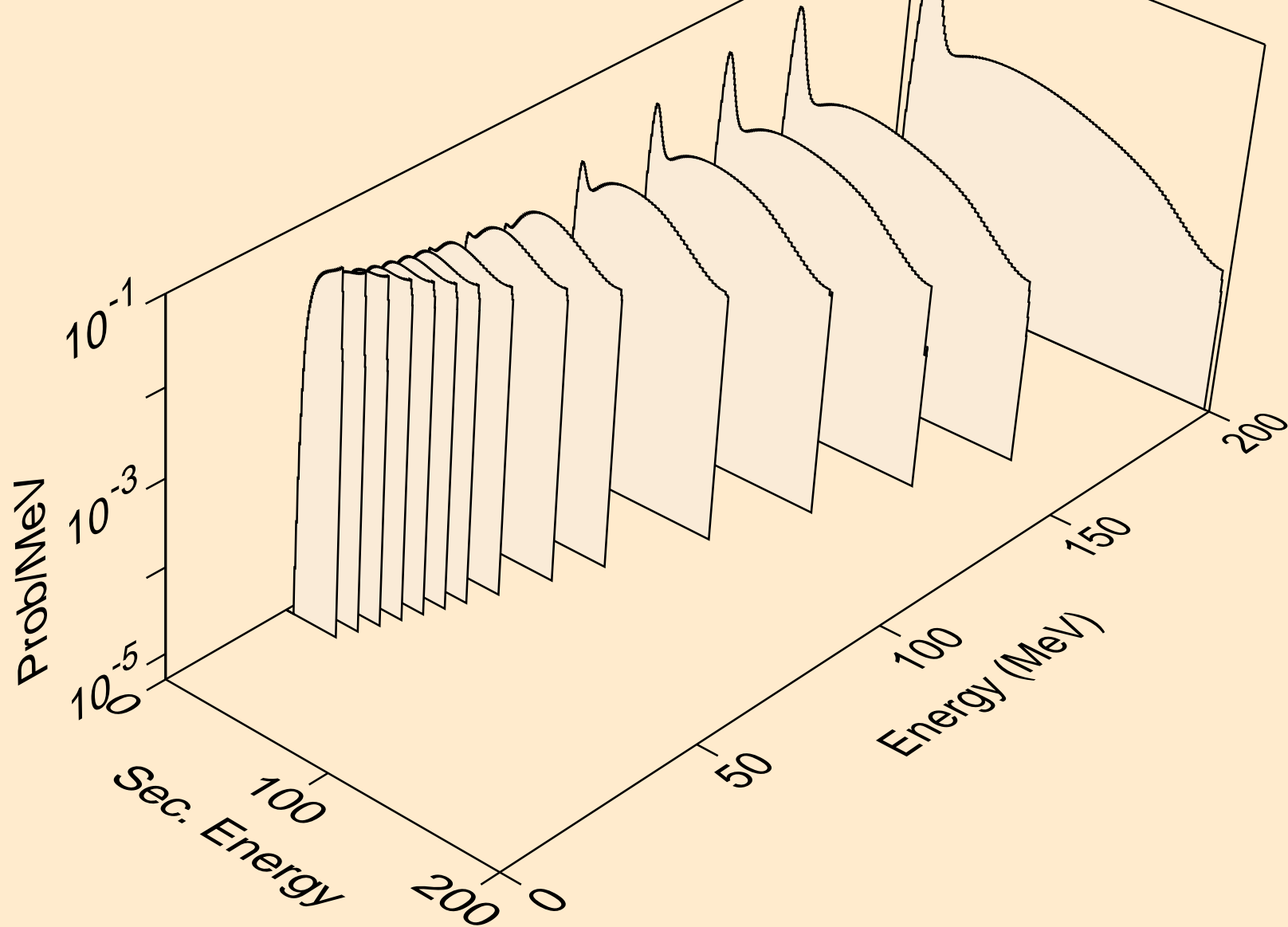


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)

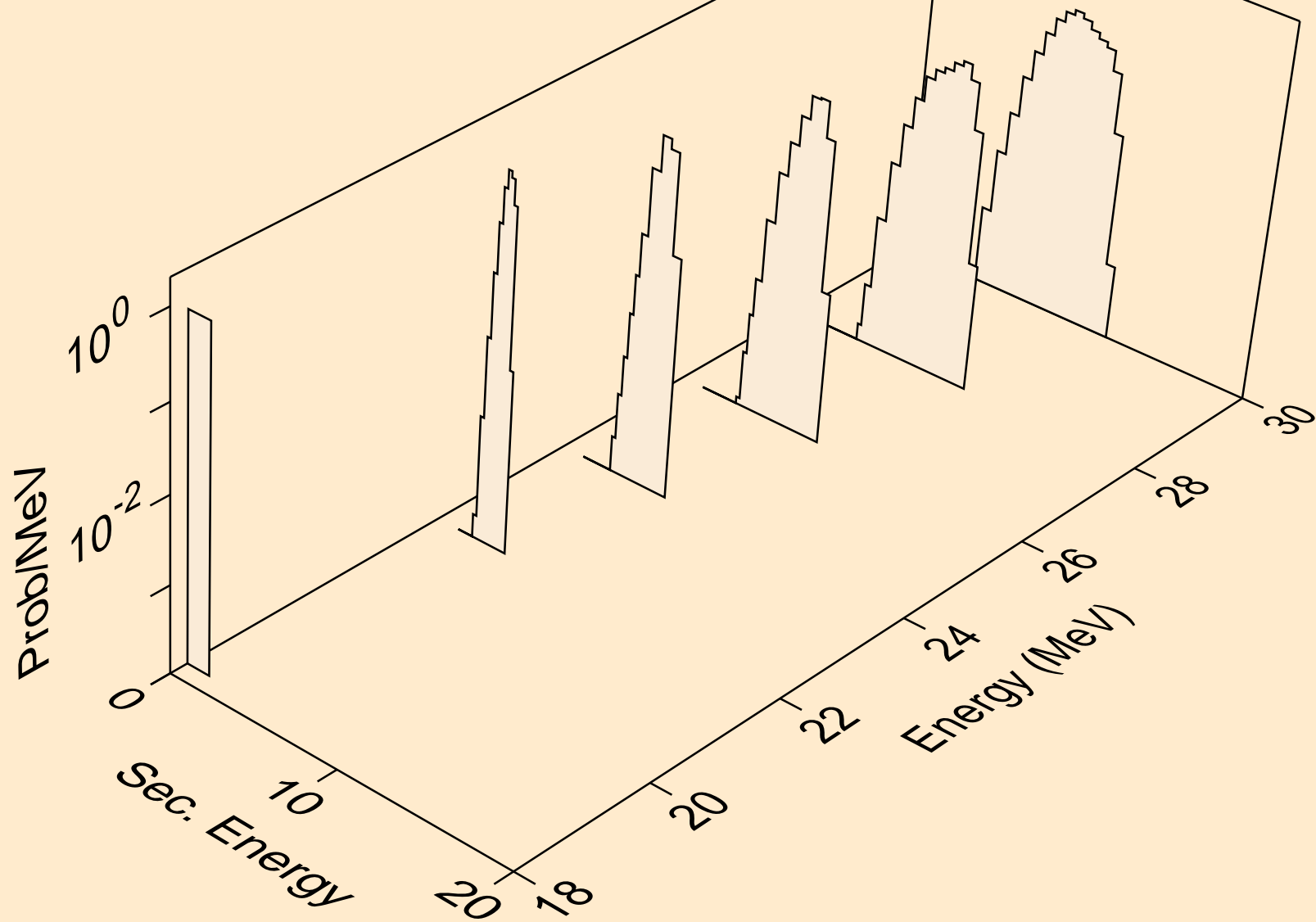




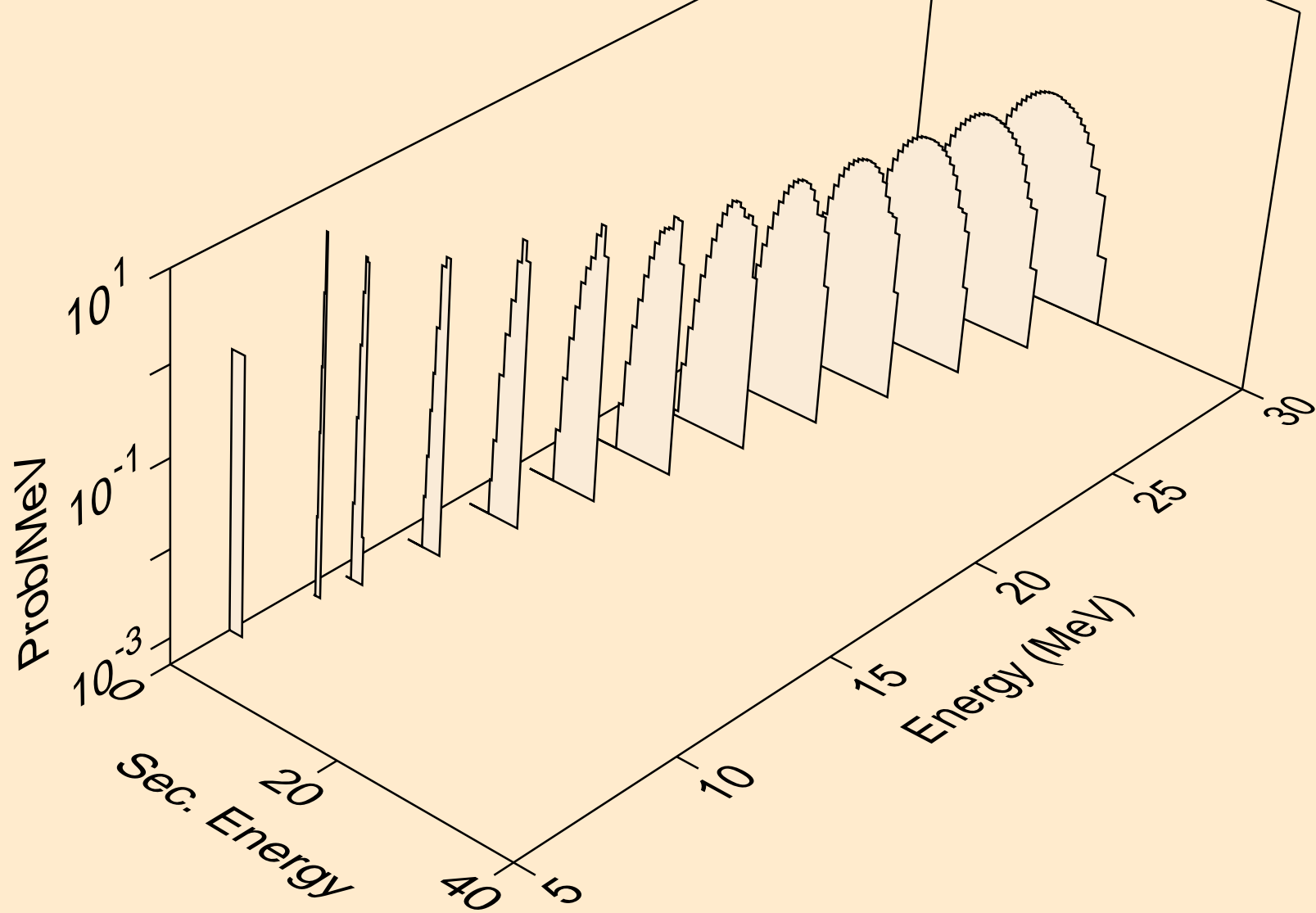
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



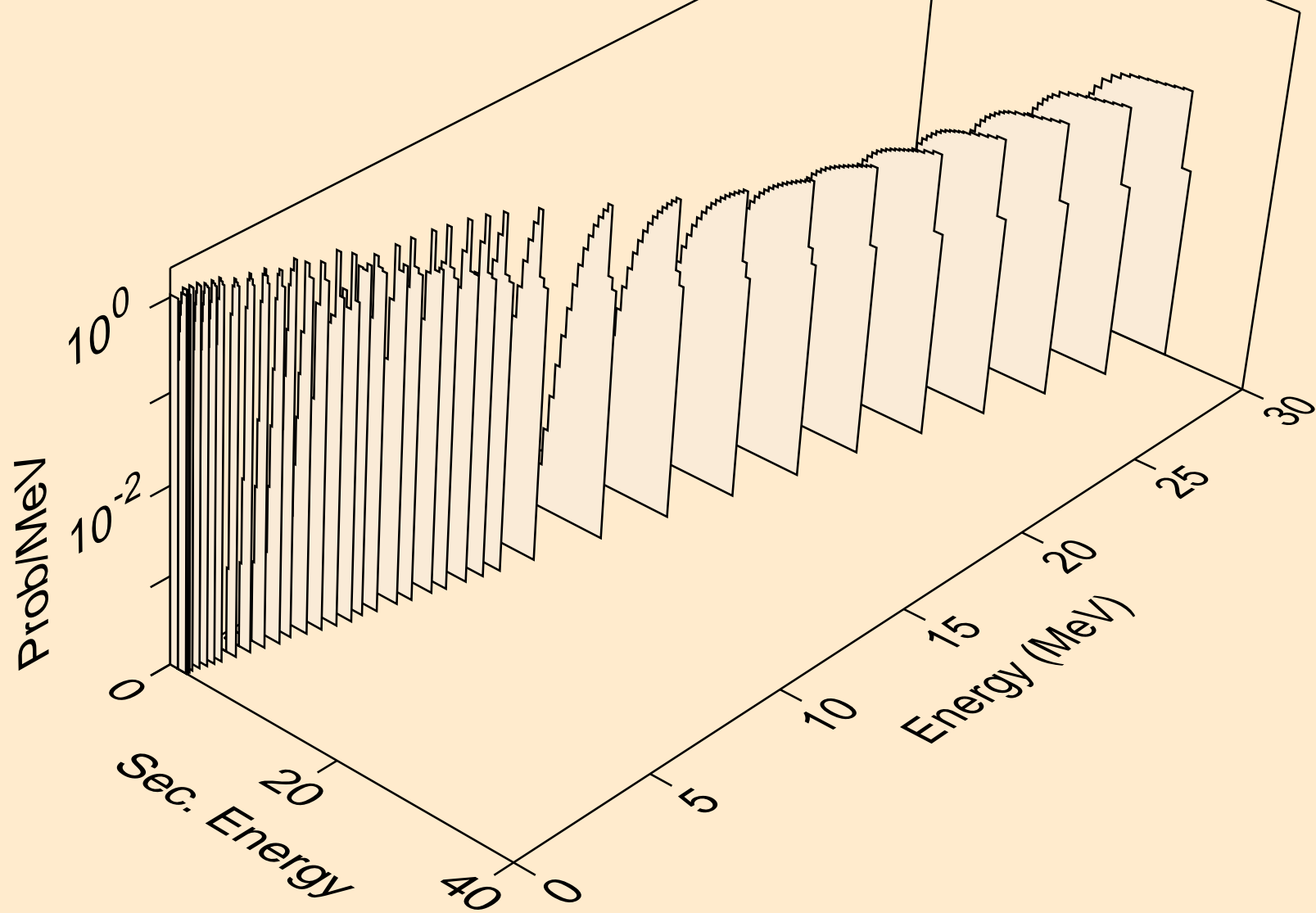
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



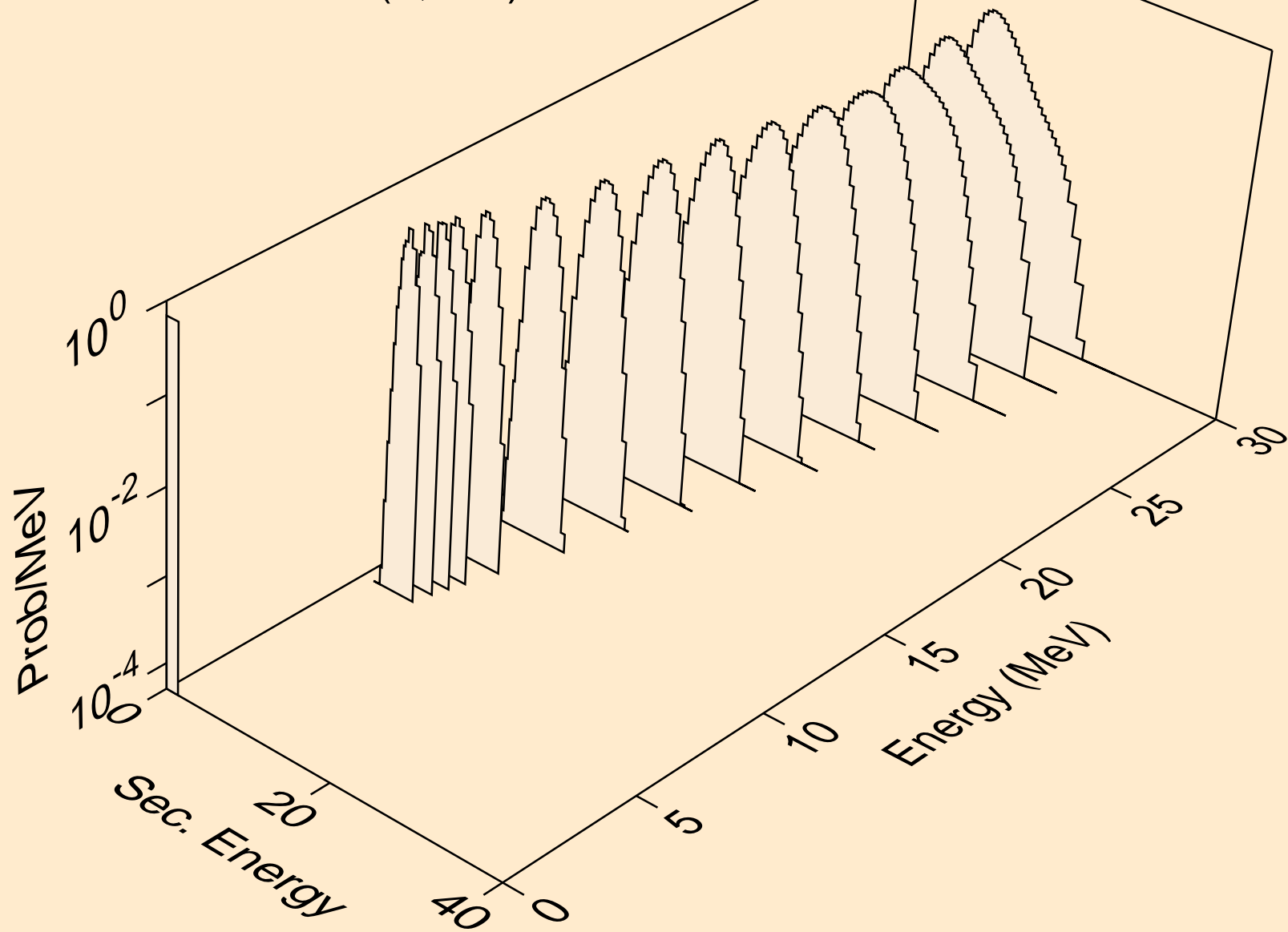
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



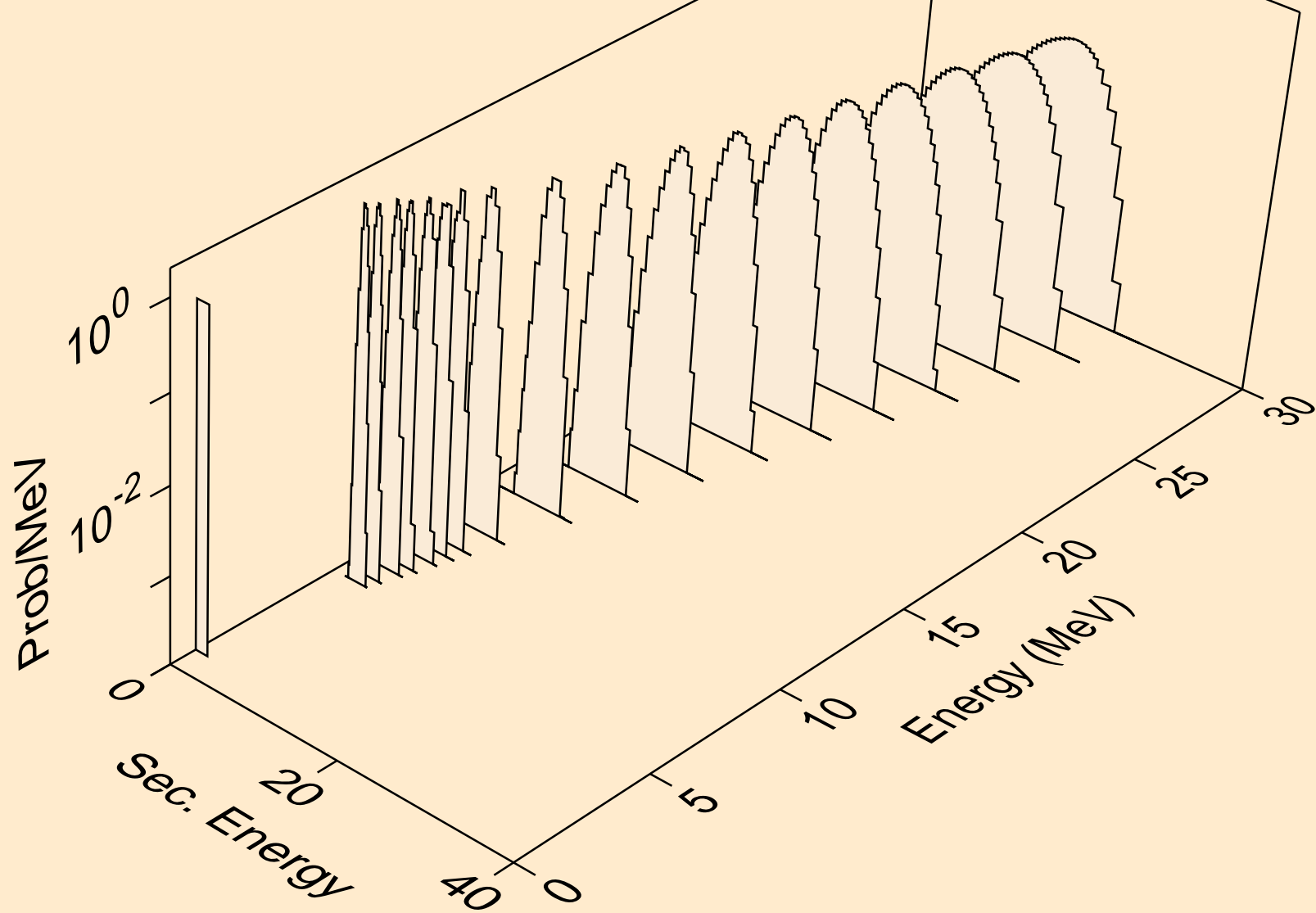
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deuterons from (n,d)



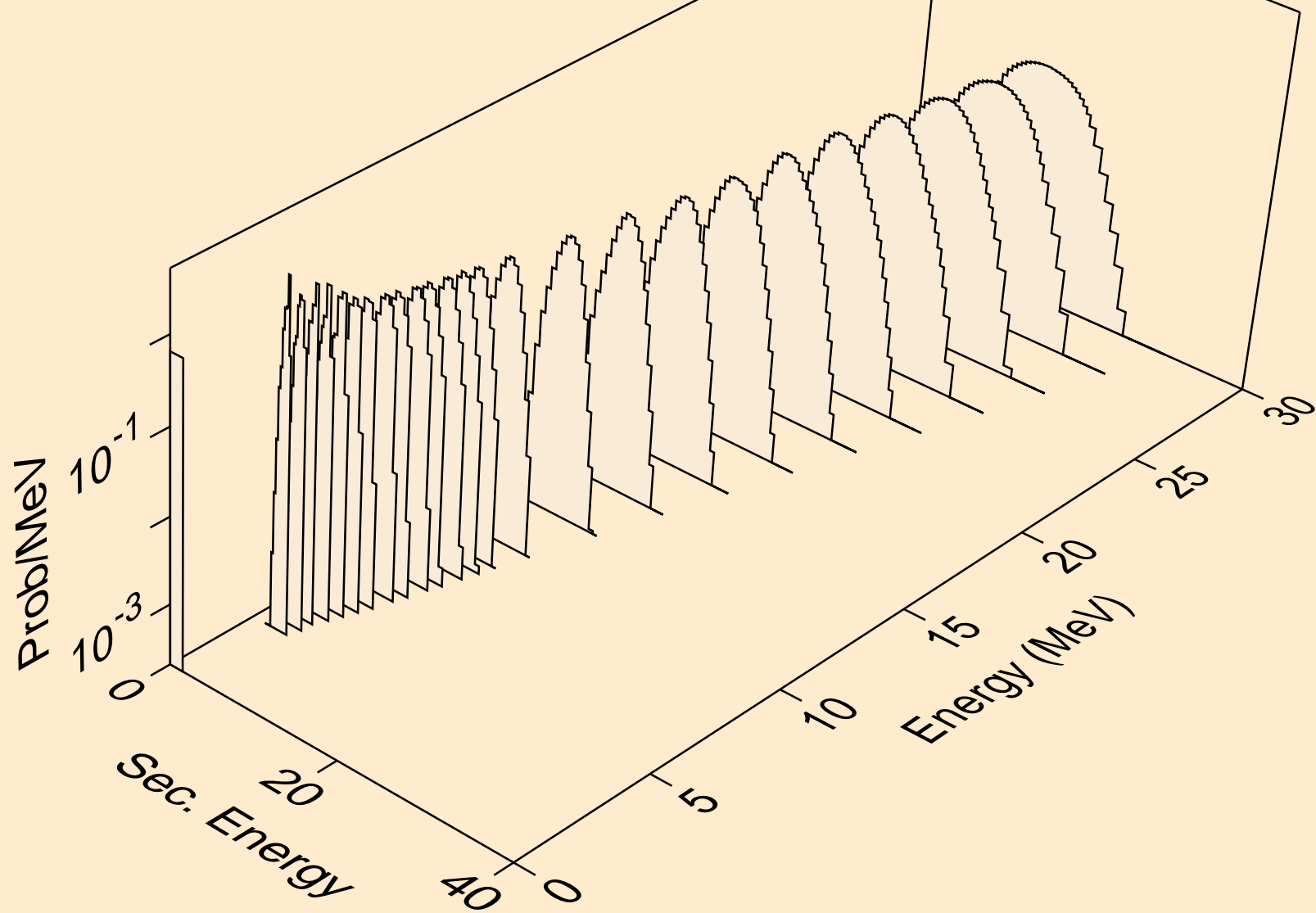
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d2a)



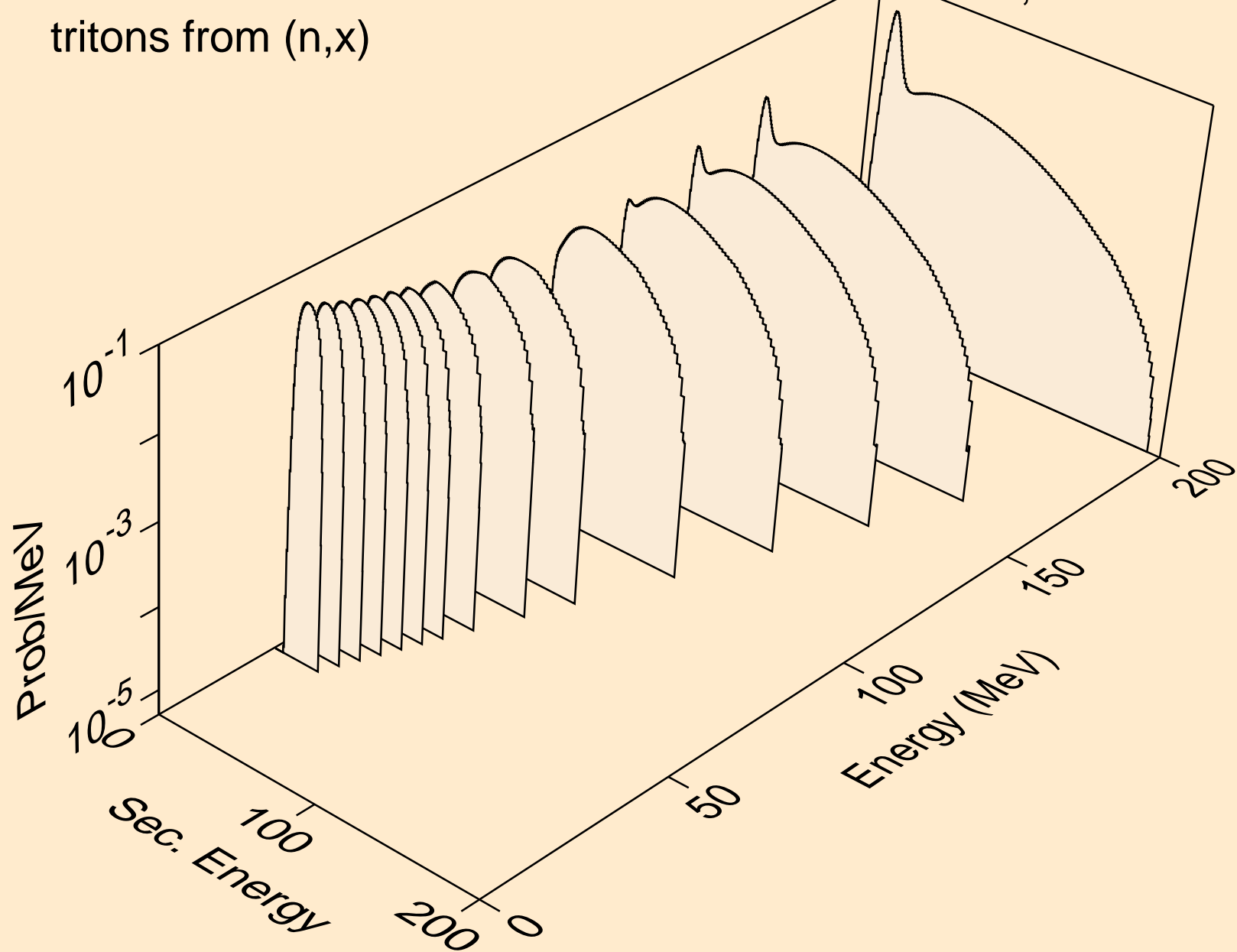
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

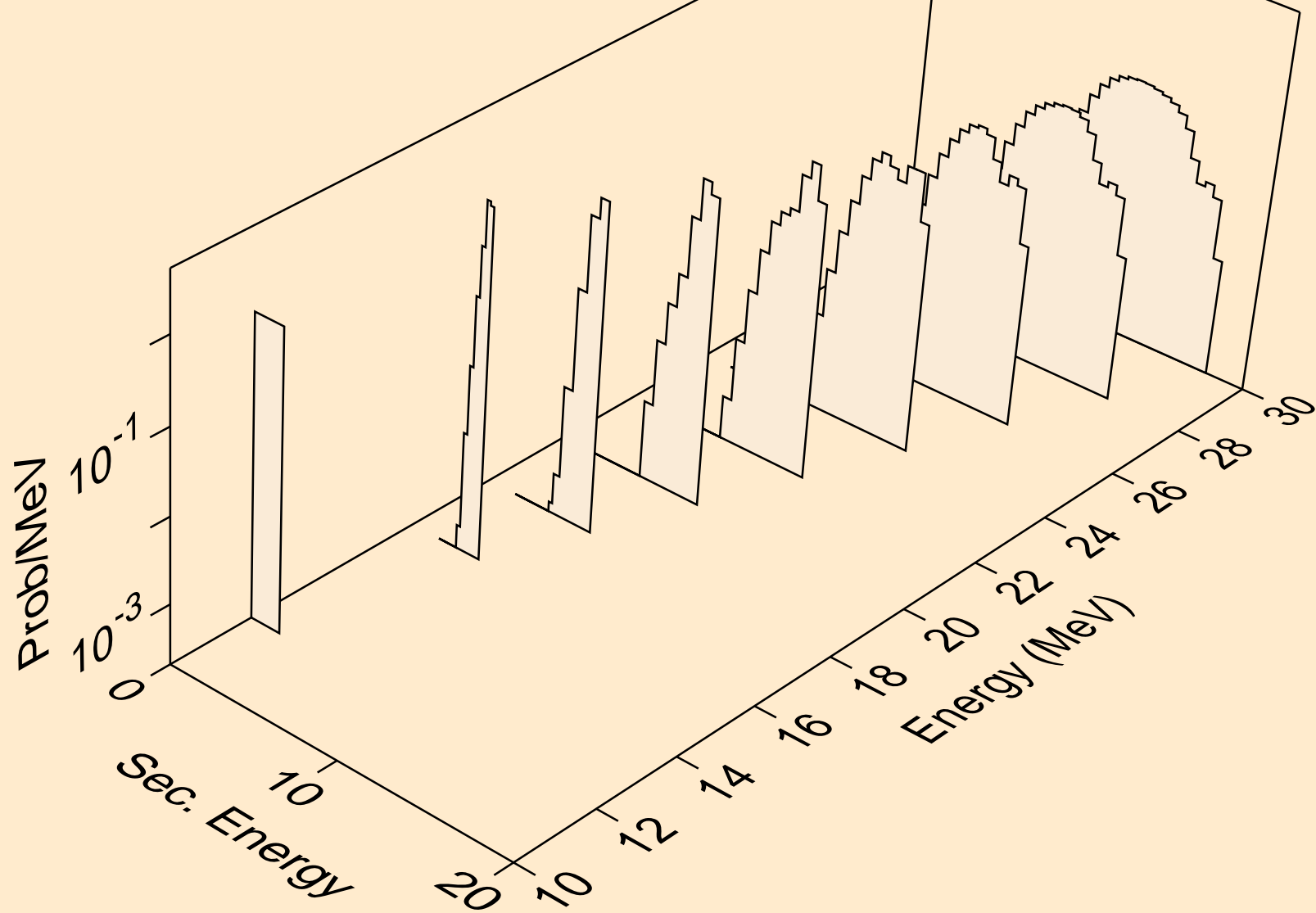


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

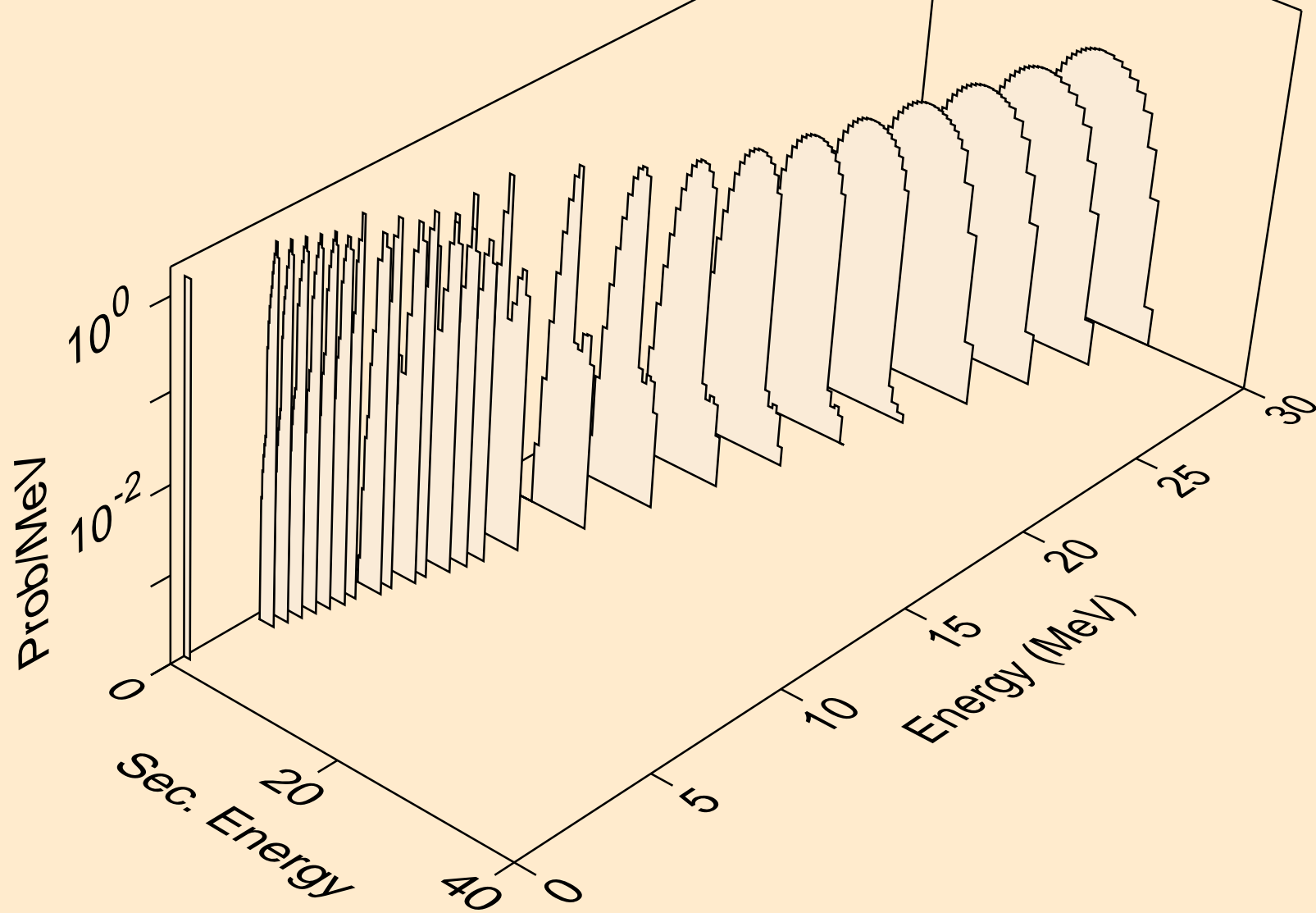




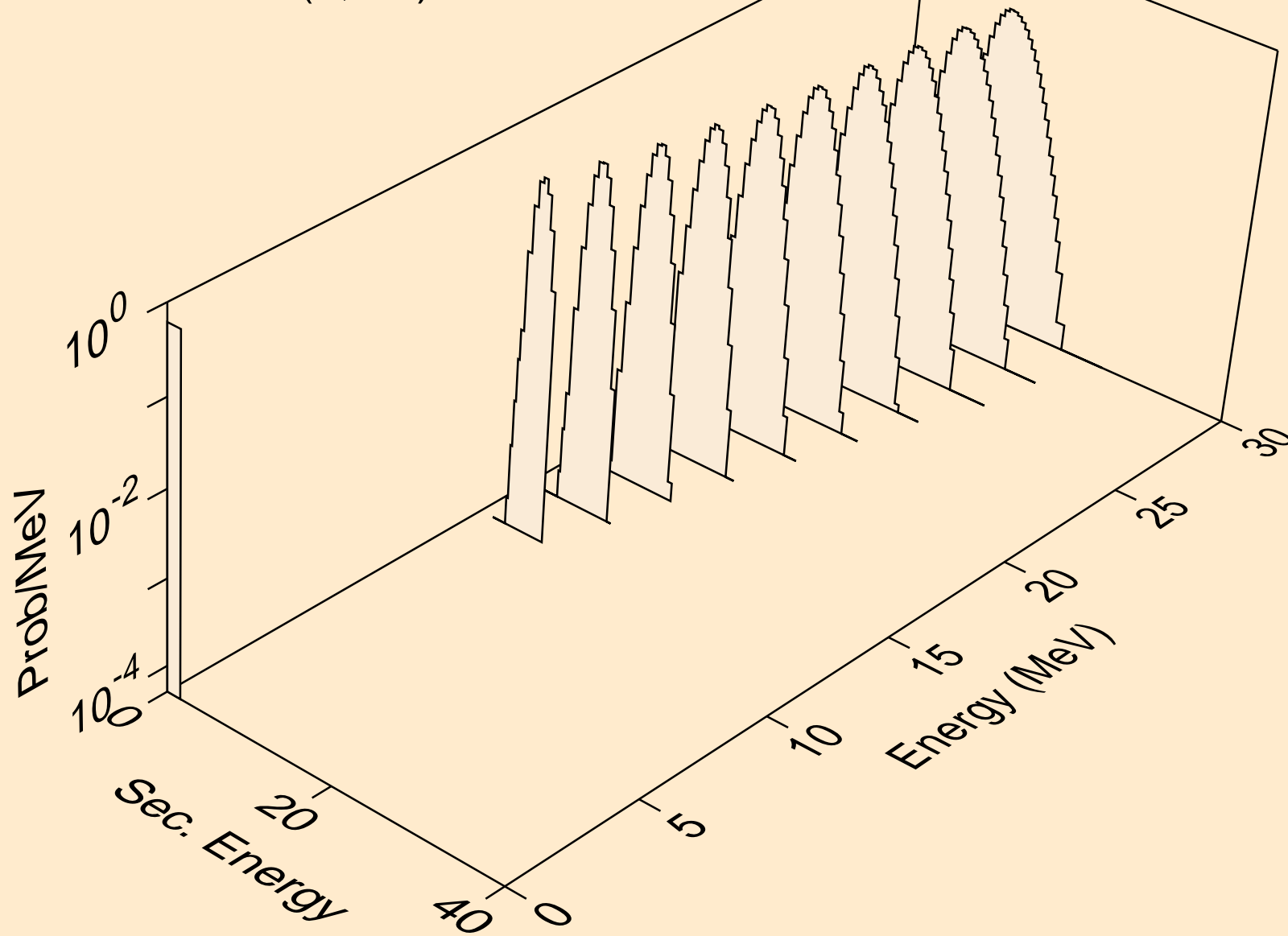
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



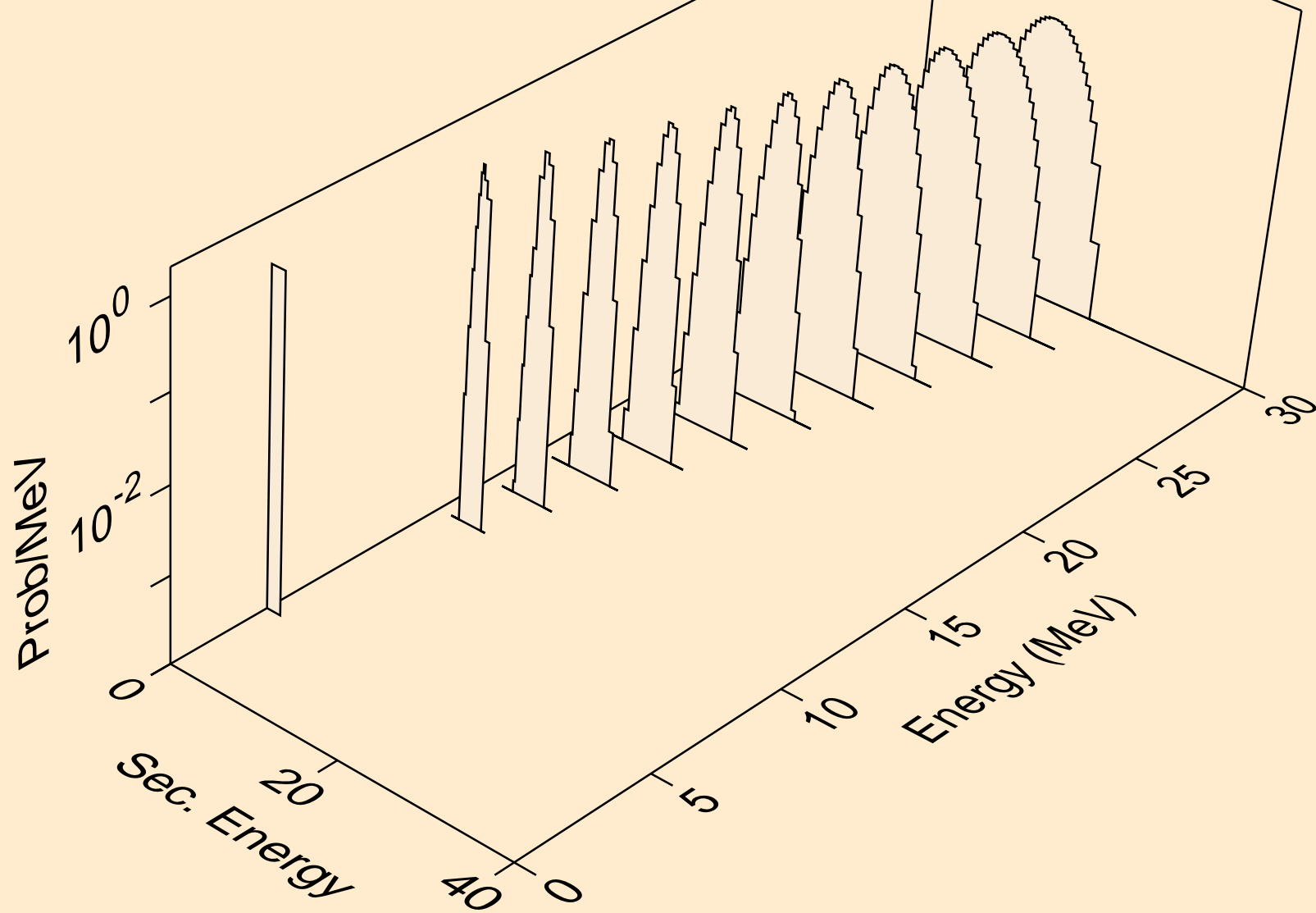
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tritons from (n,t)



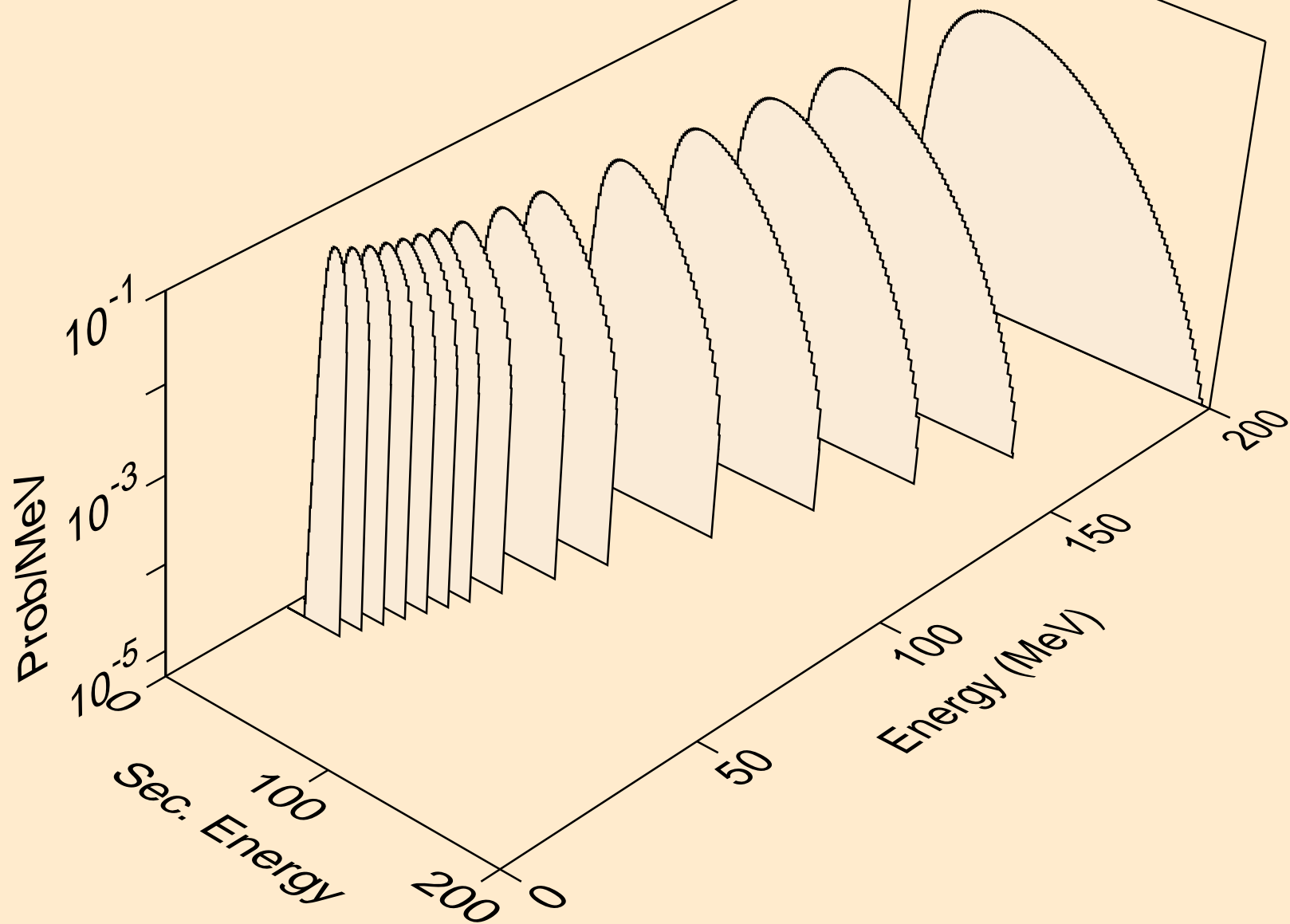
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tritons from (n,t2a)



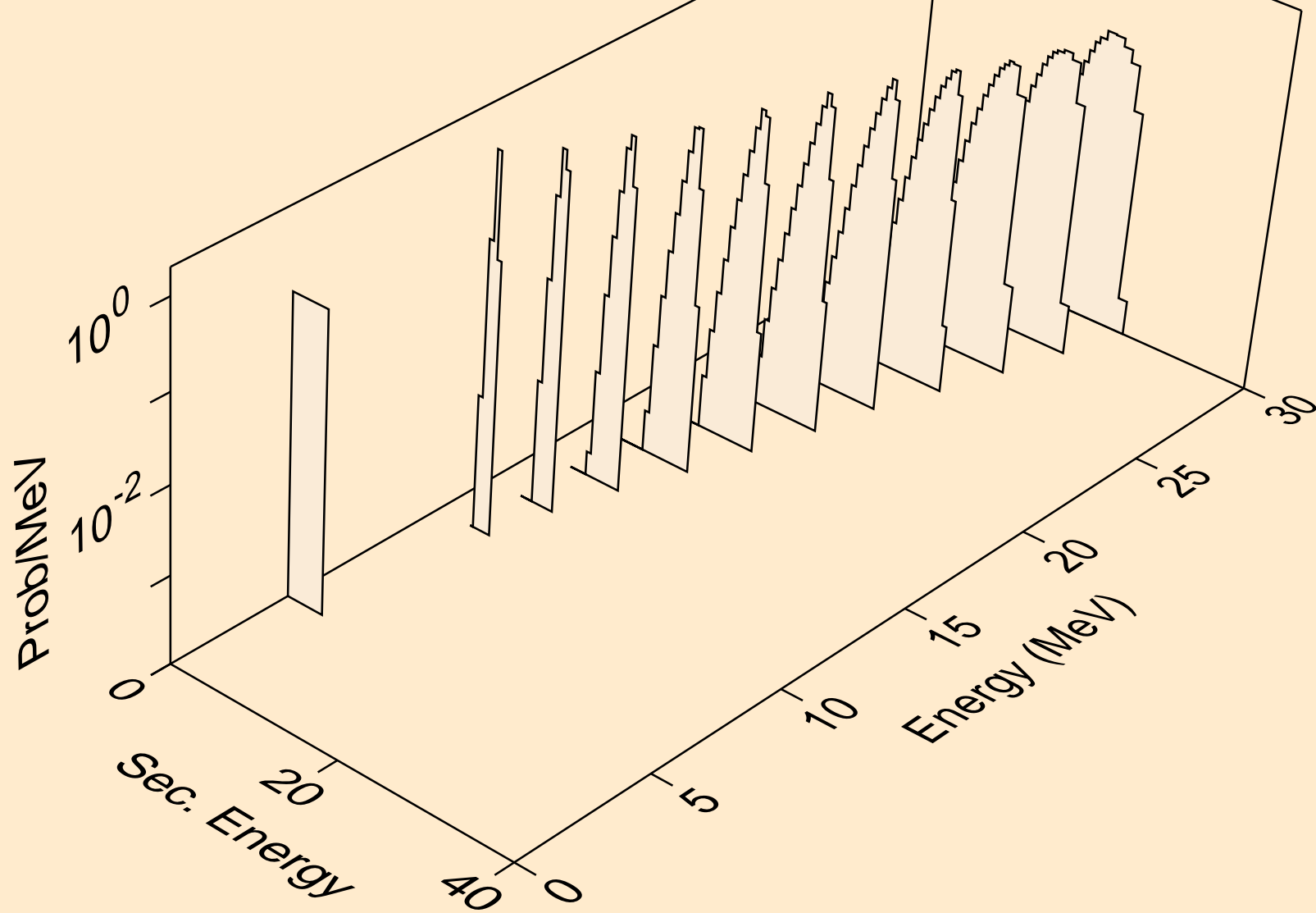
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



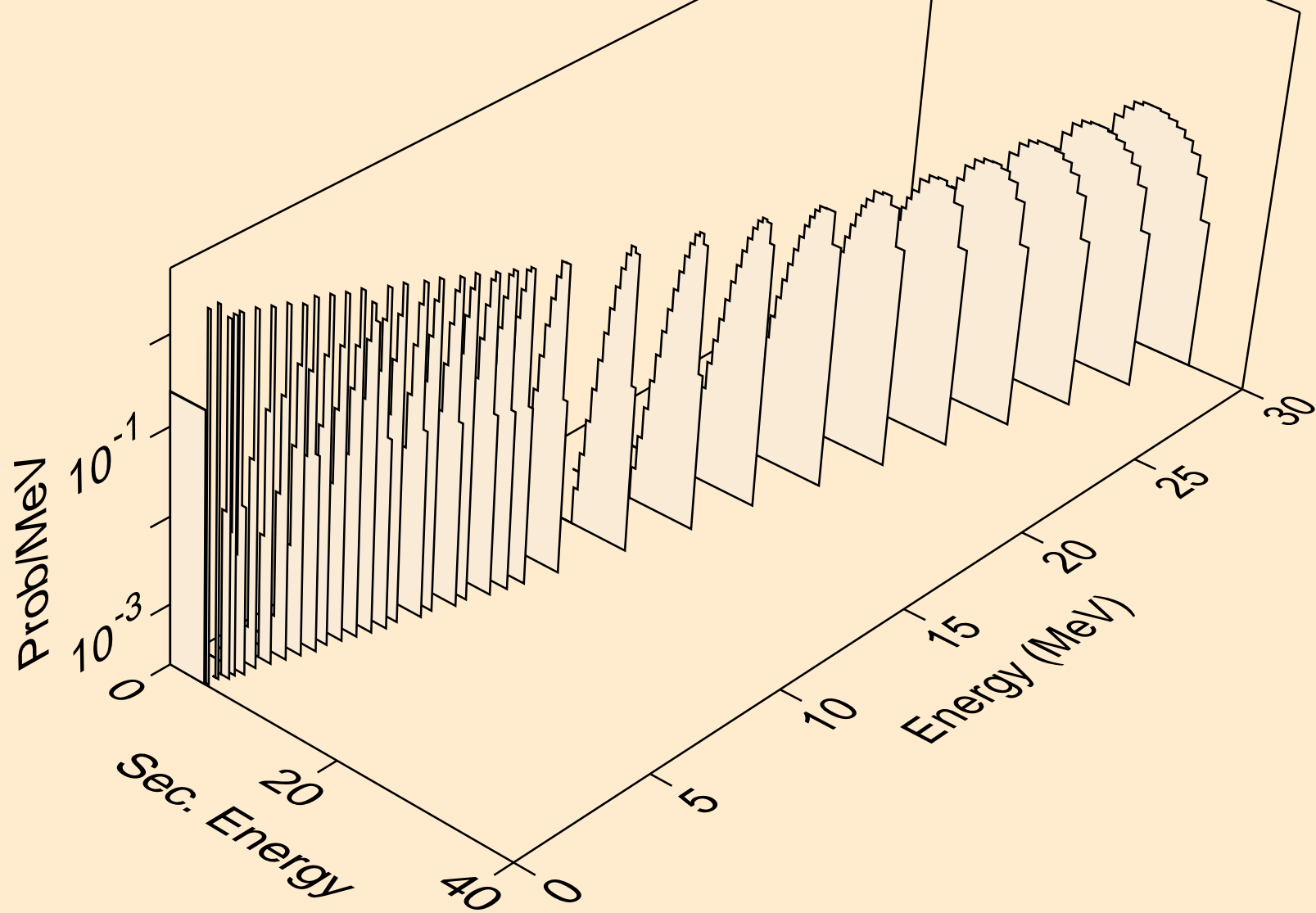
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



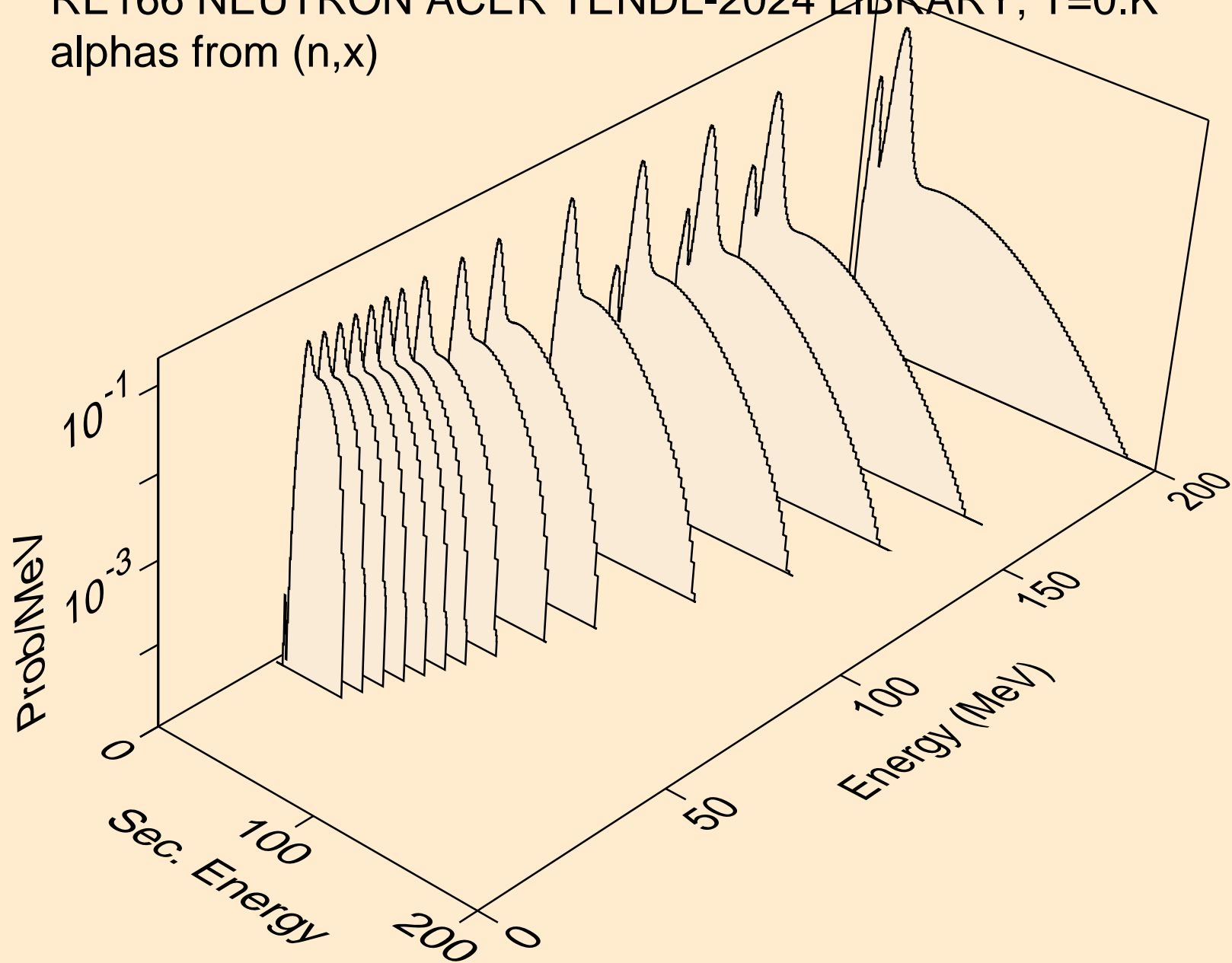
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

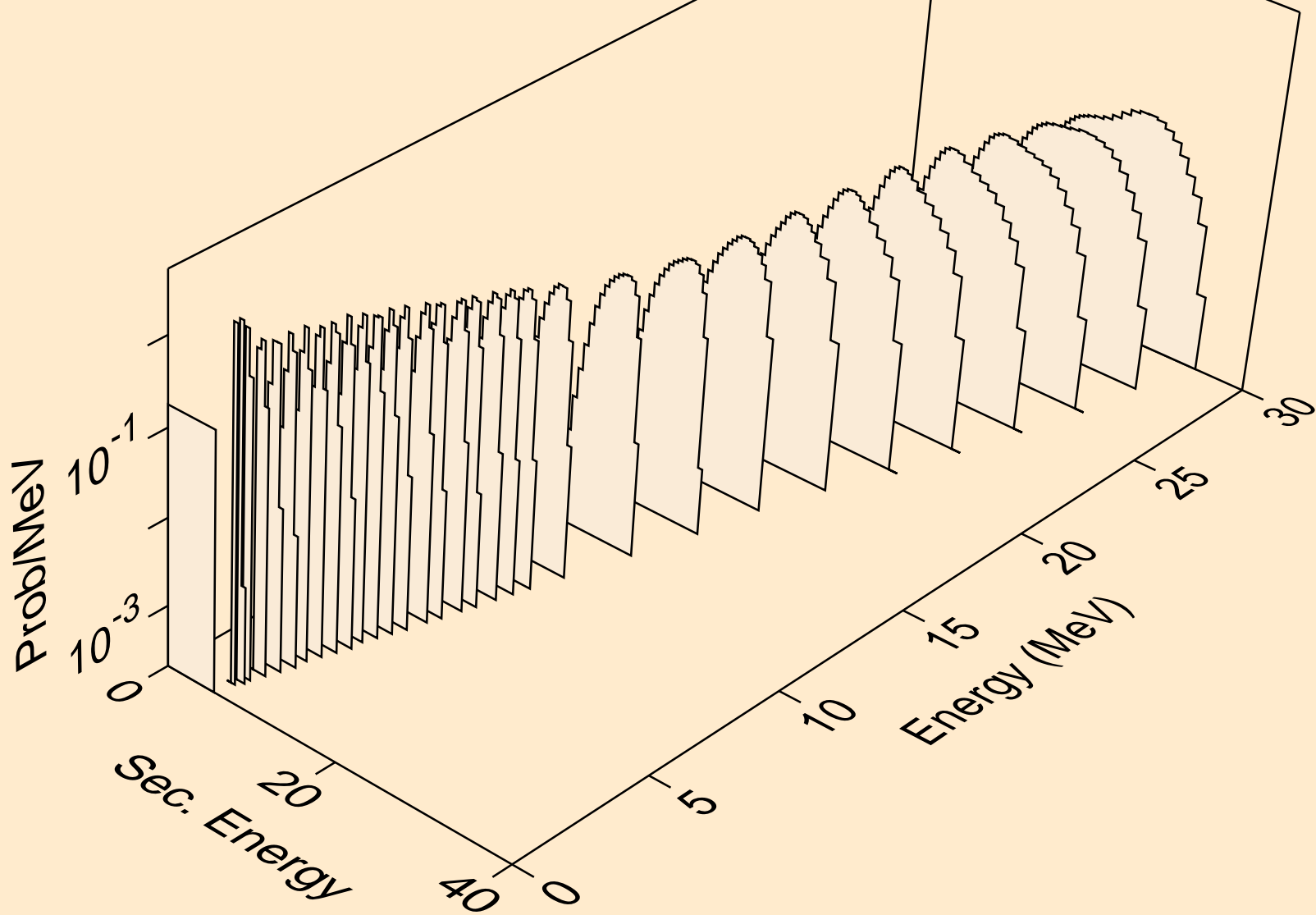


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

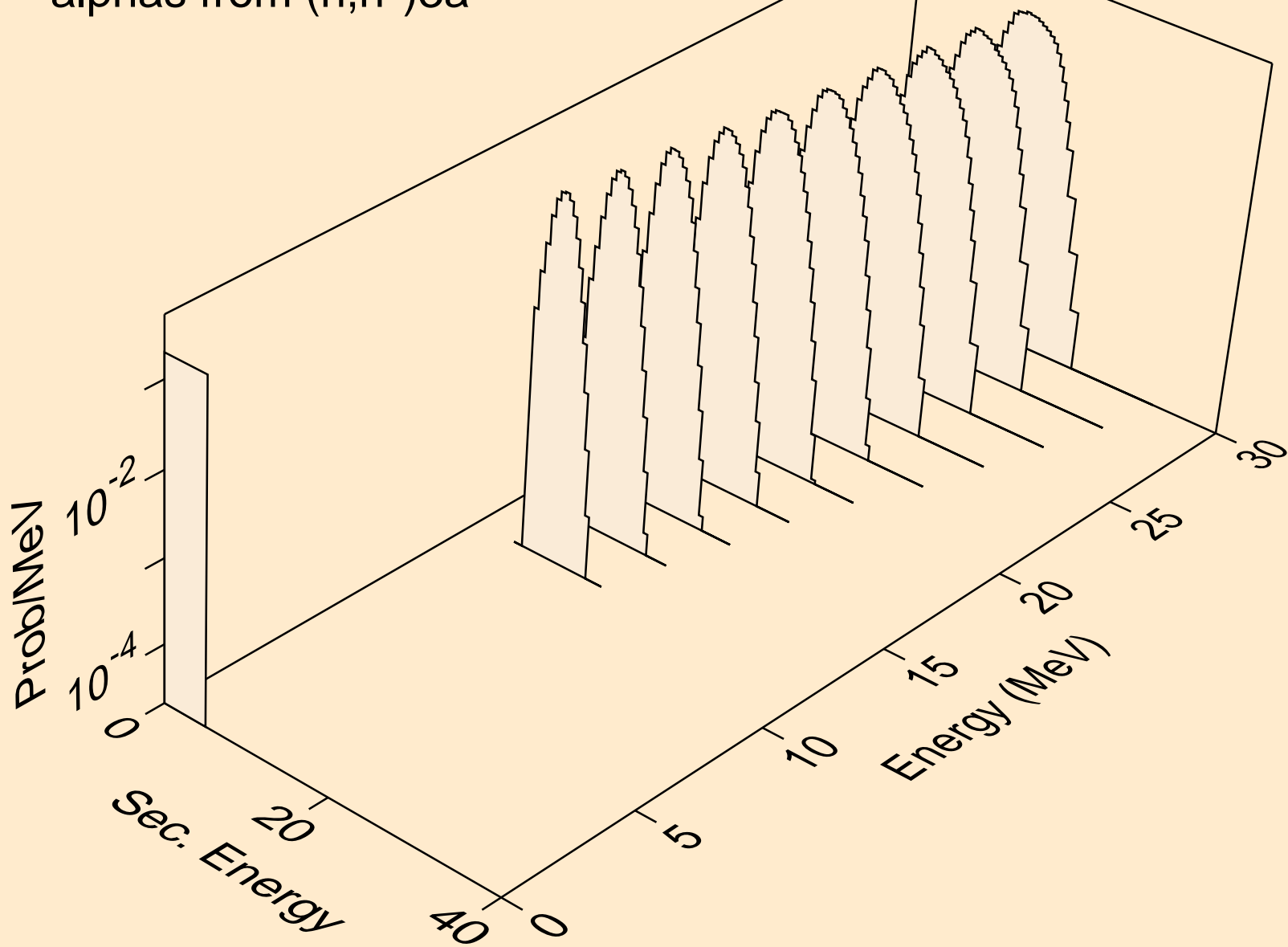




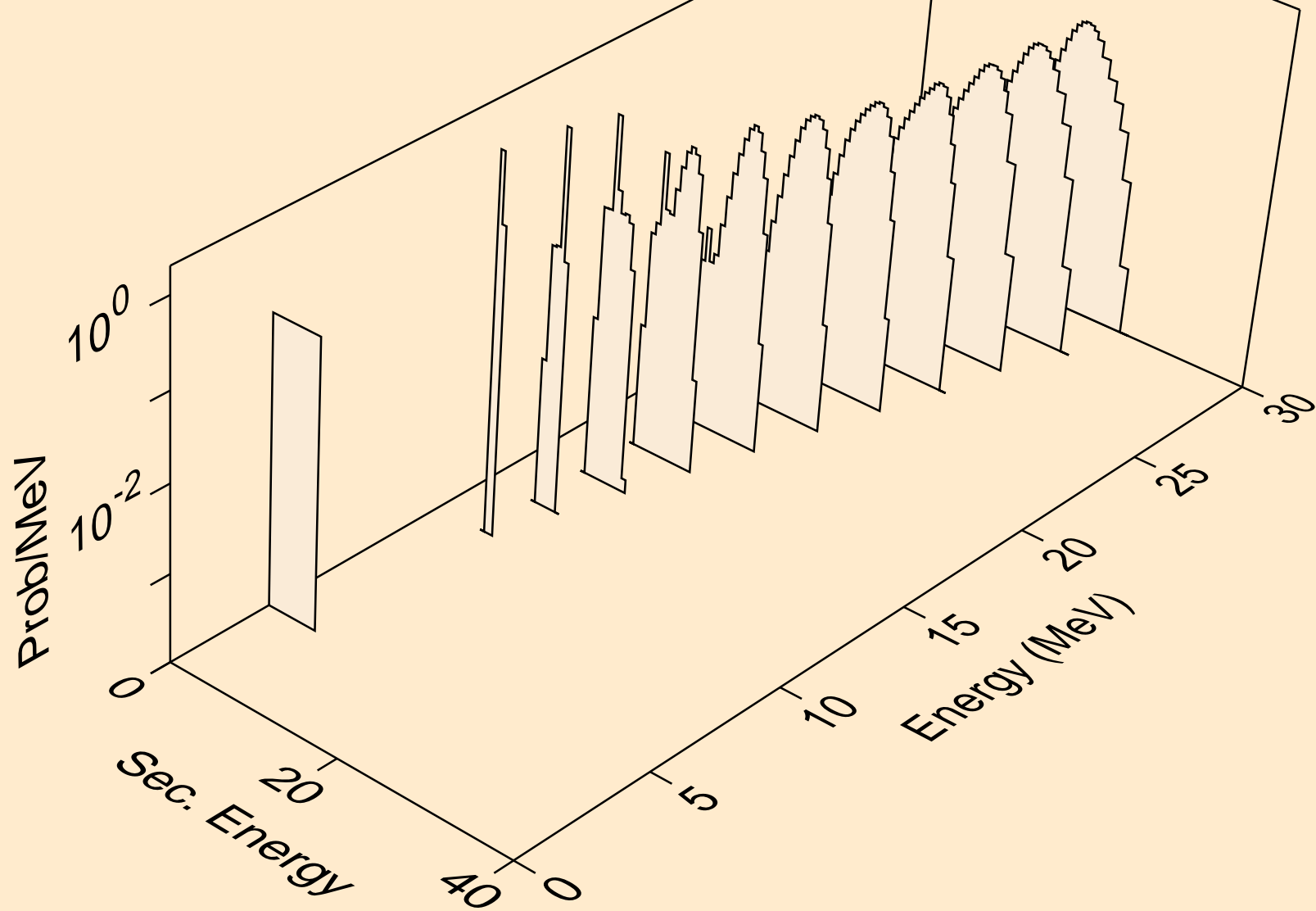
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alphas from (n,n\*)a



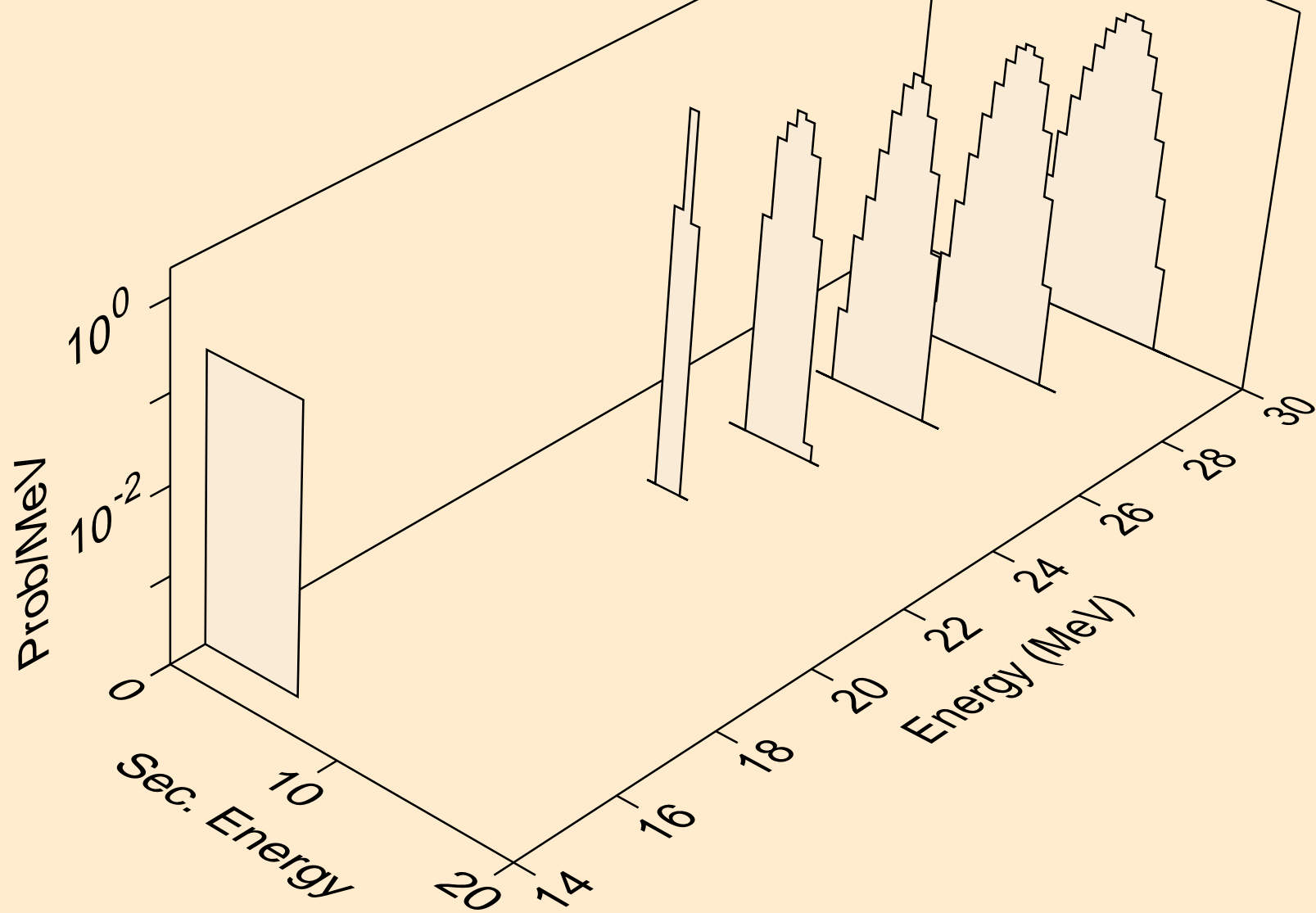
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alphas from (n,n\*)3a



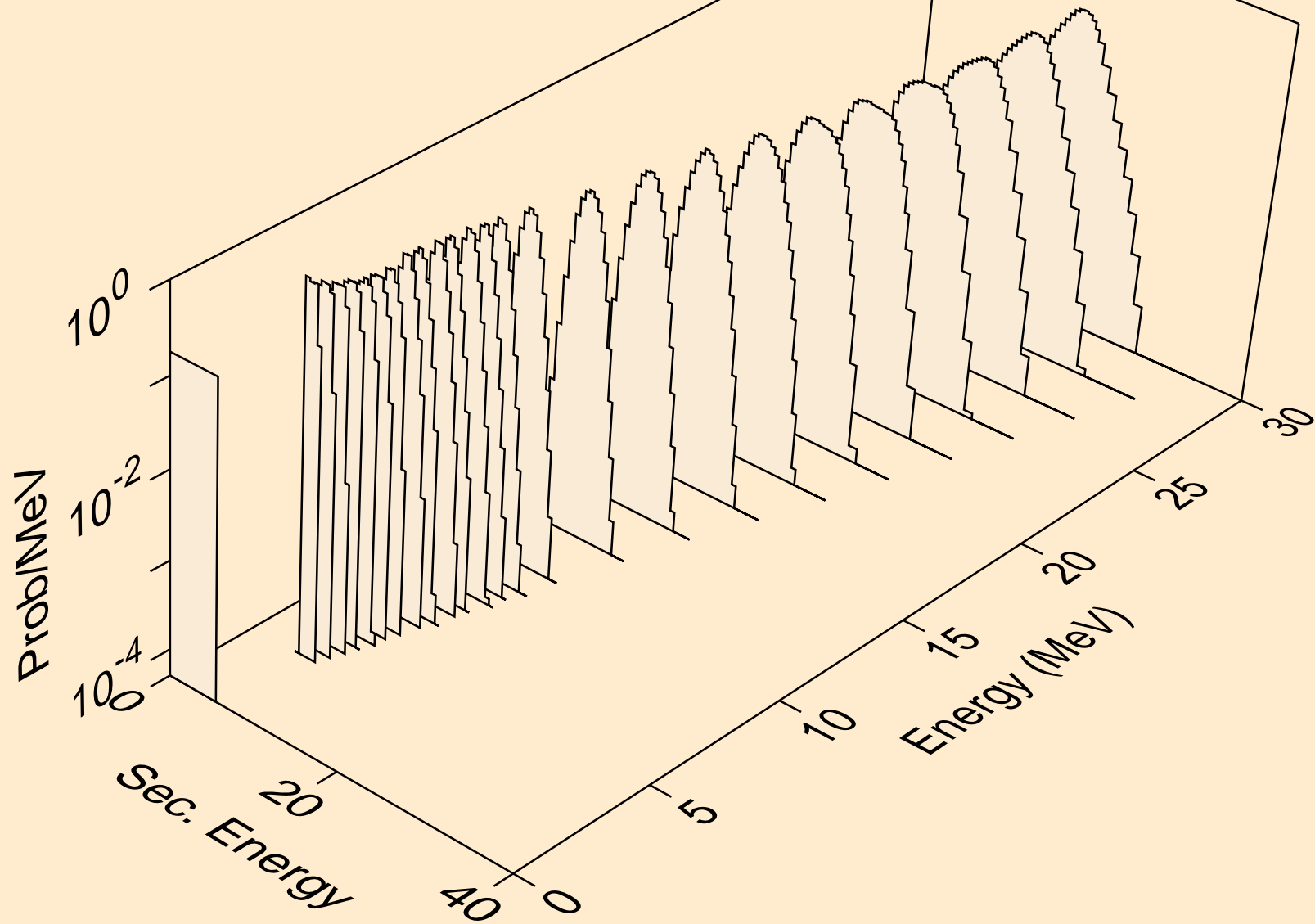
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alphas from (n,2n)a



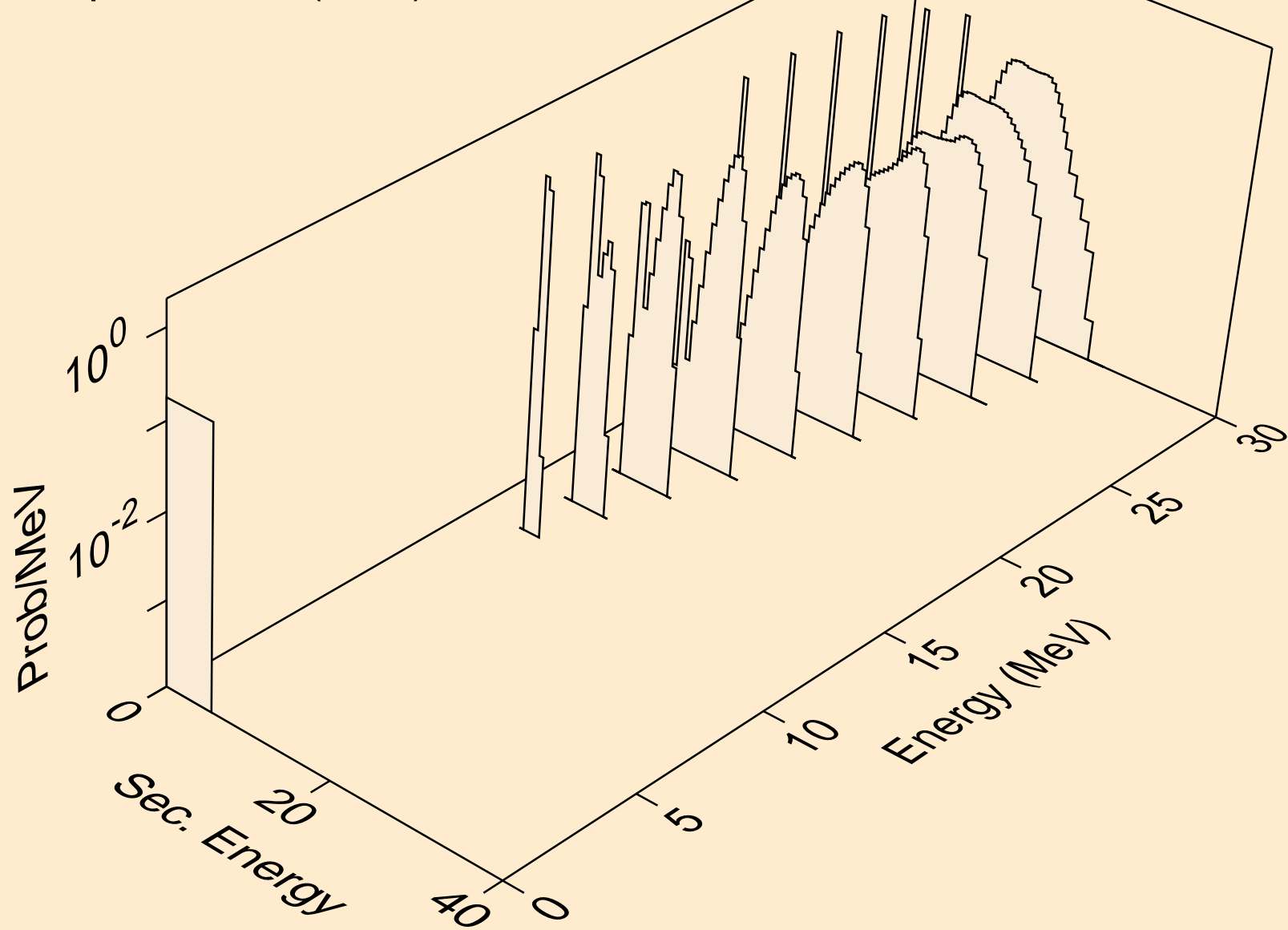
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alphas from (n,3n)a



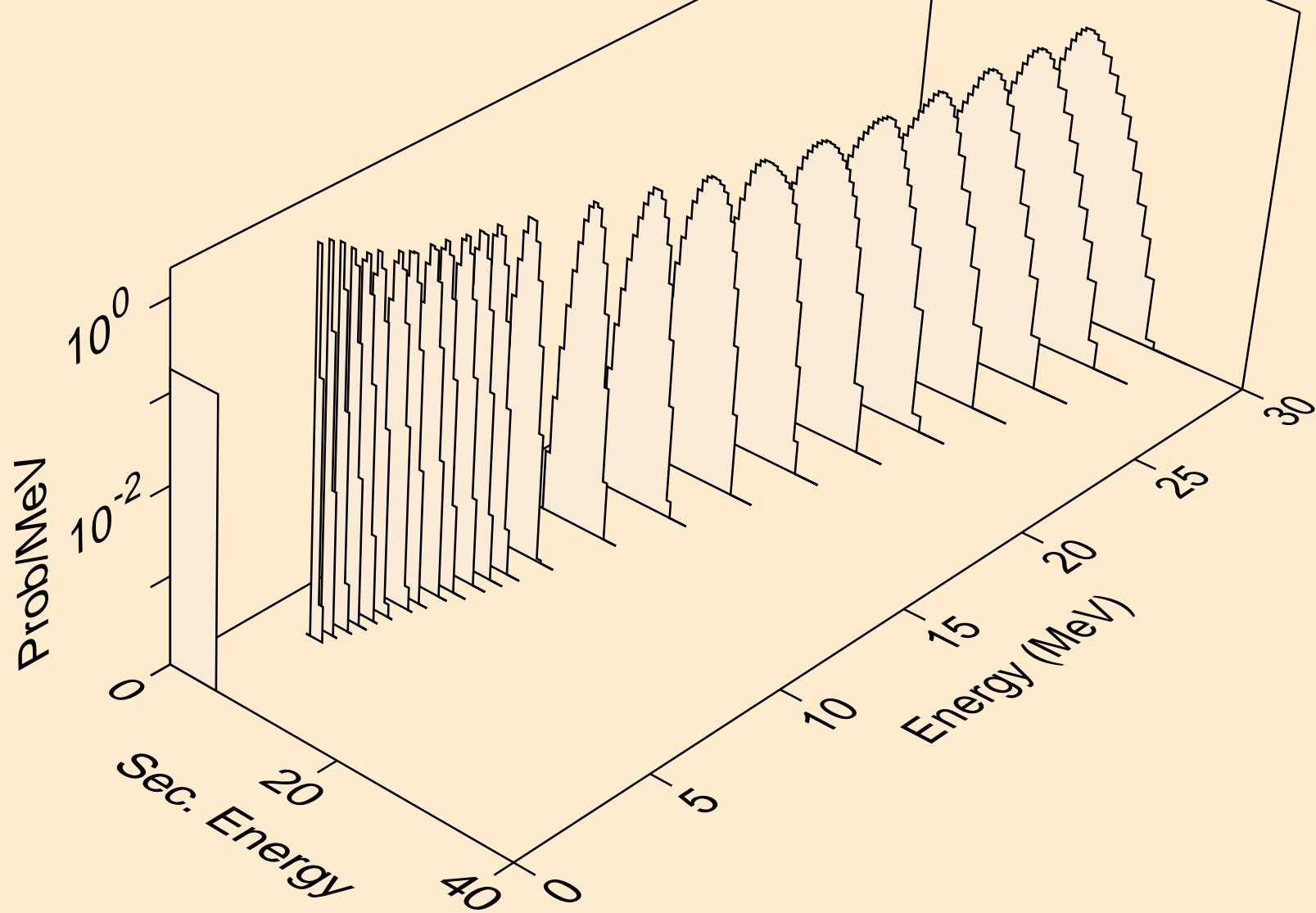
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



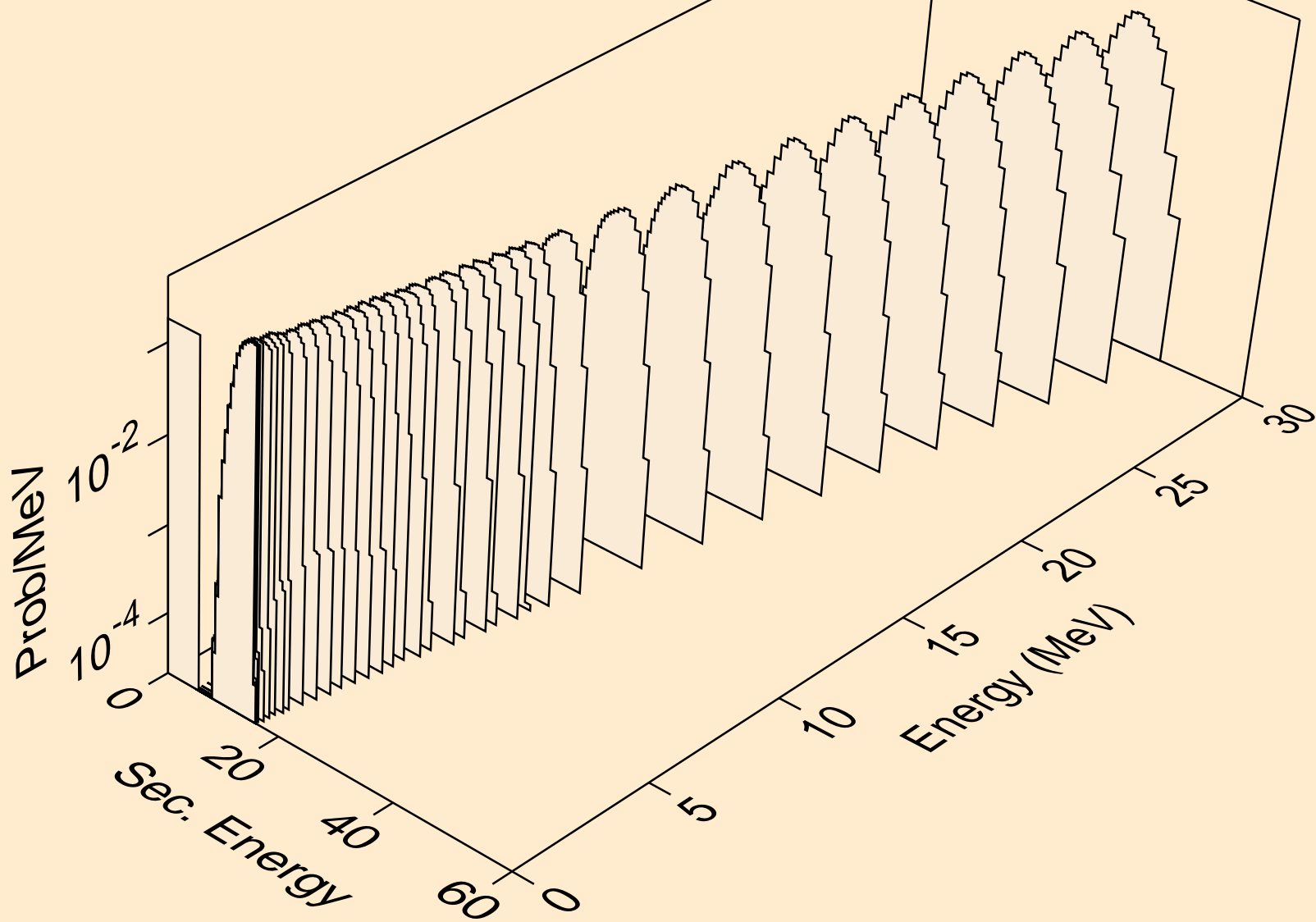
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

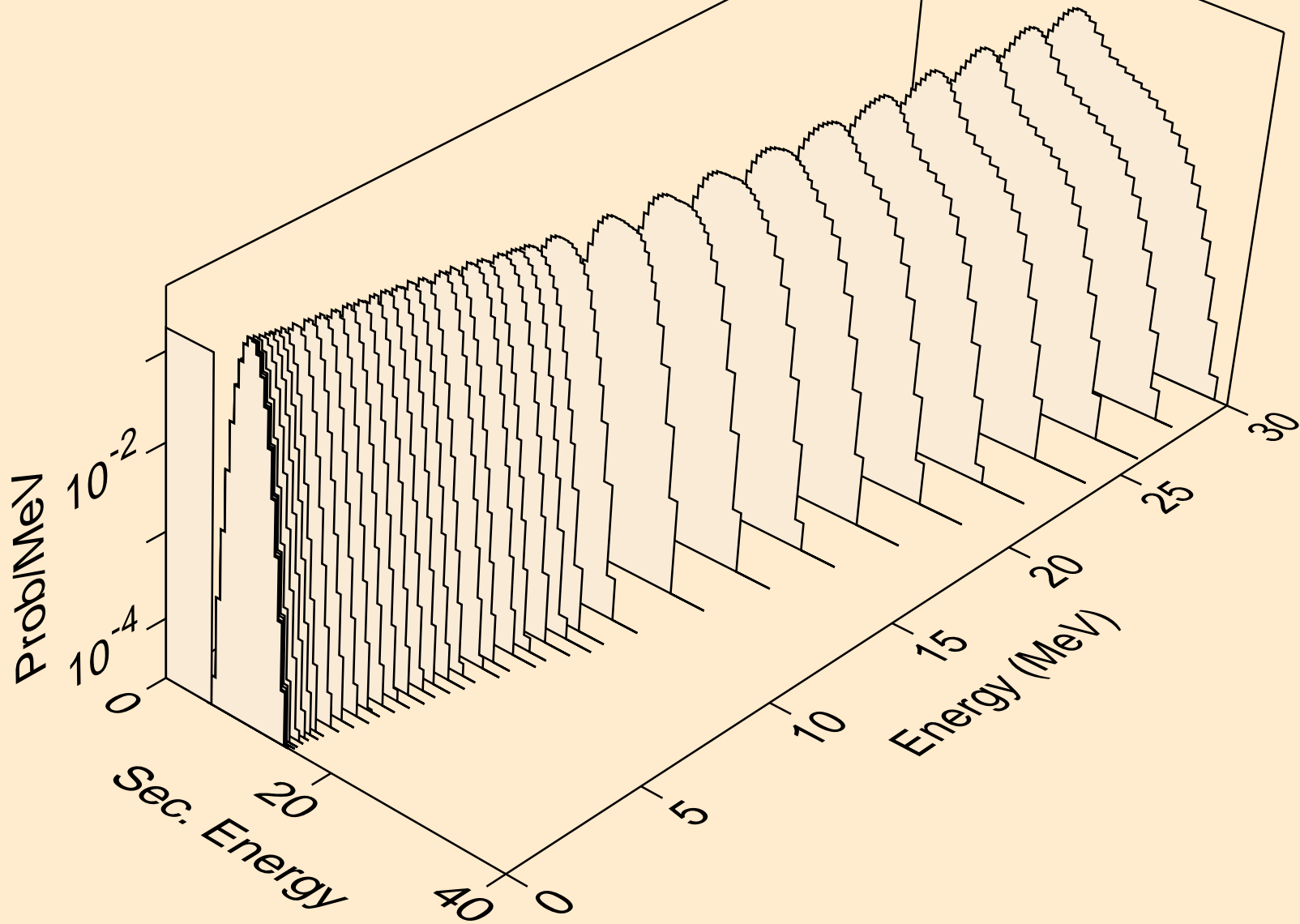


RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

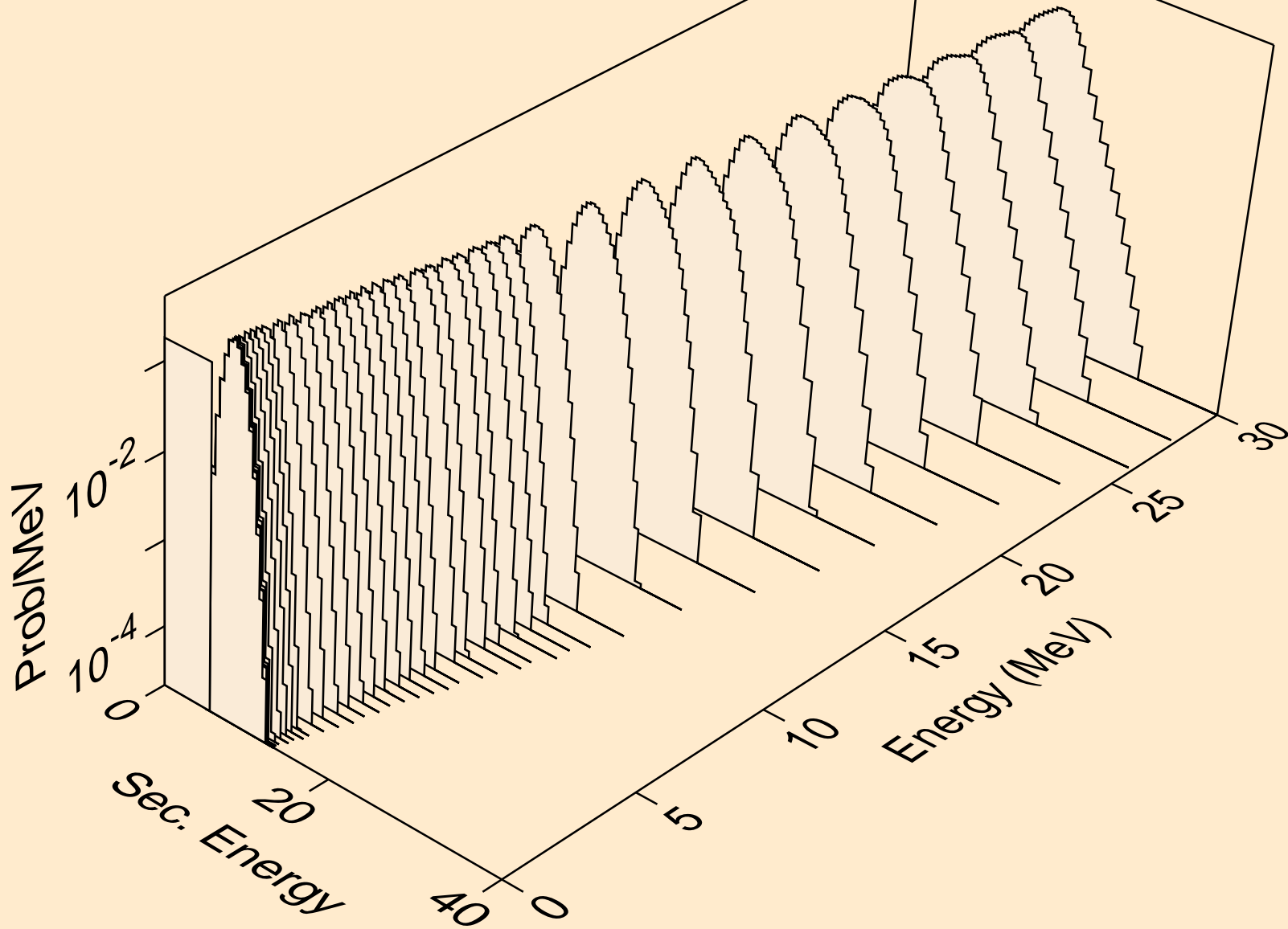




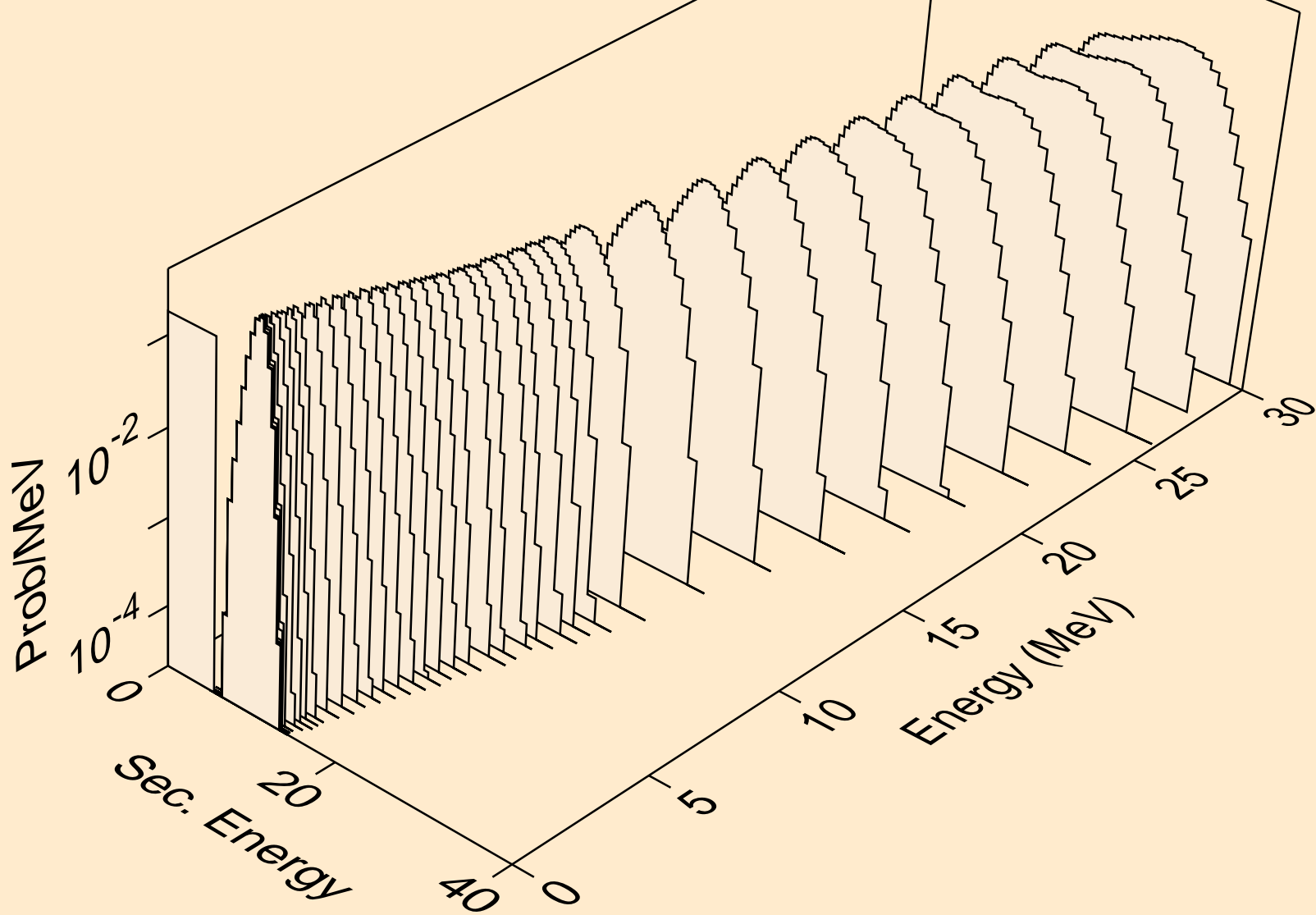
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



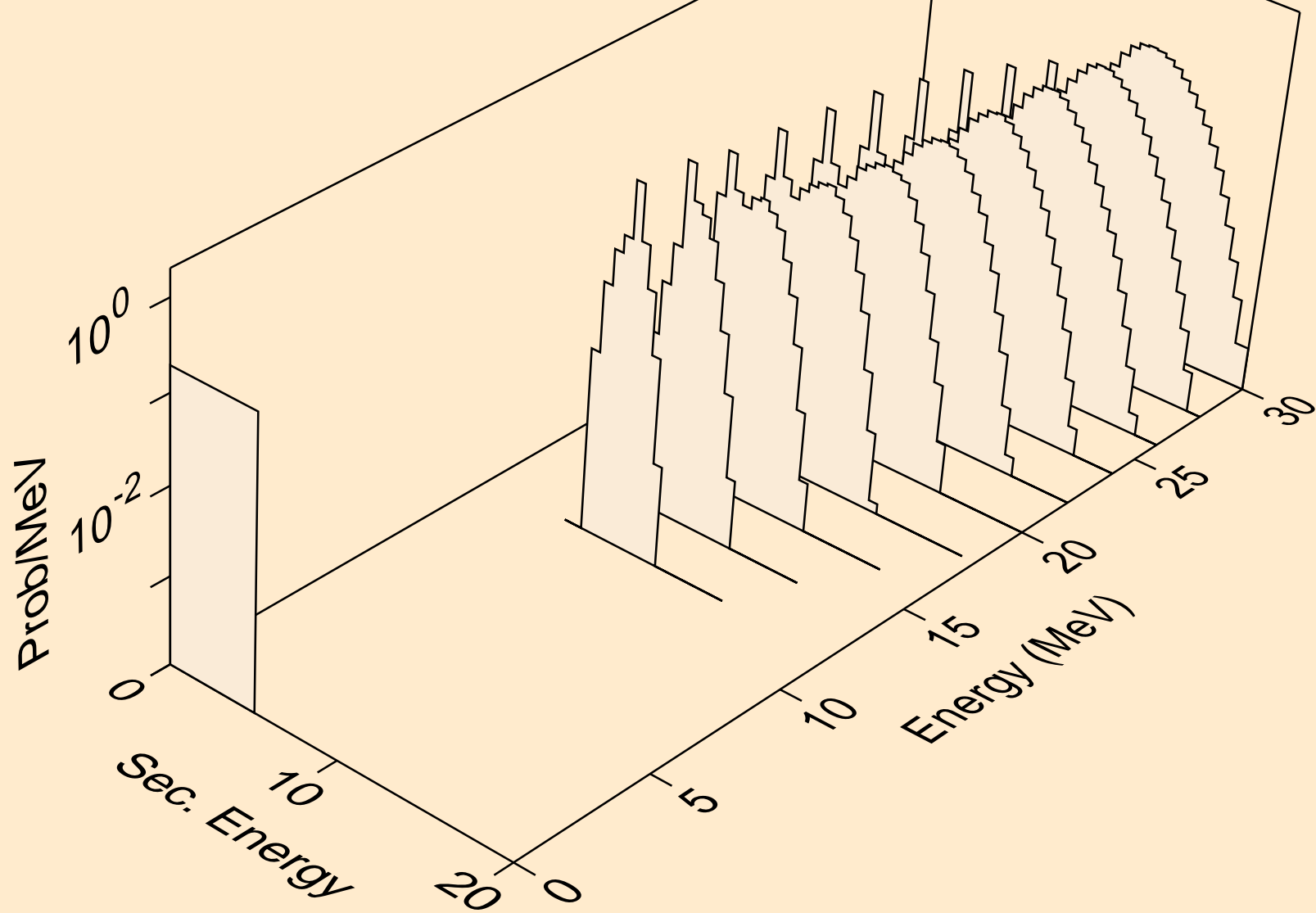
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



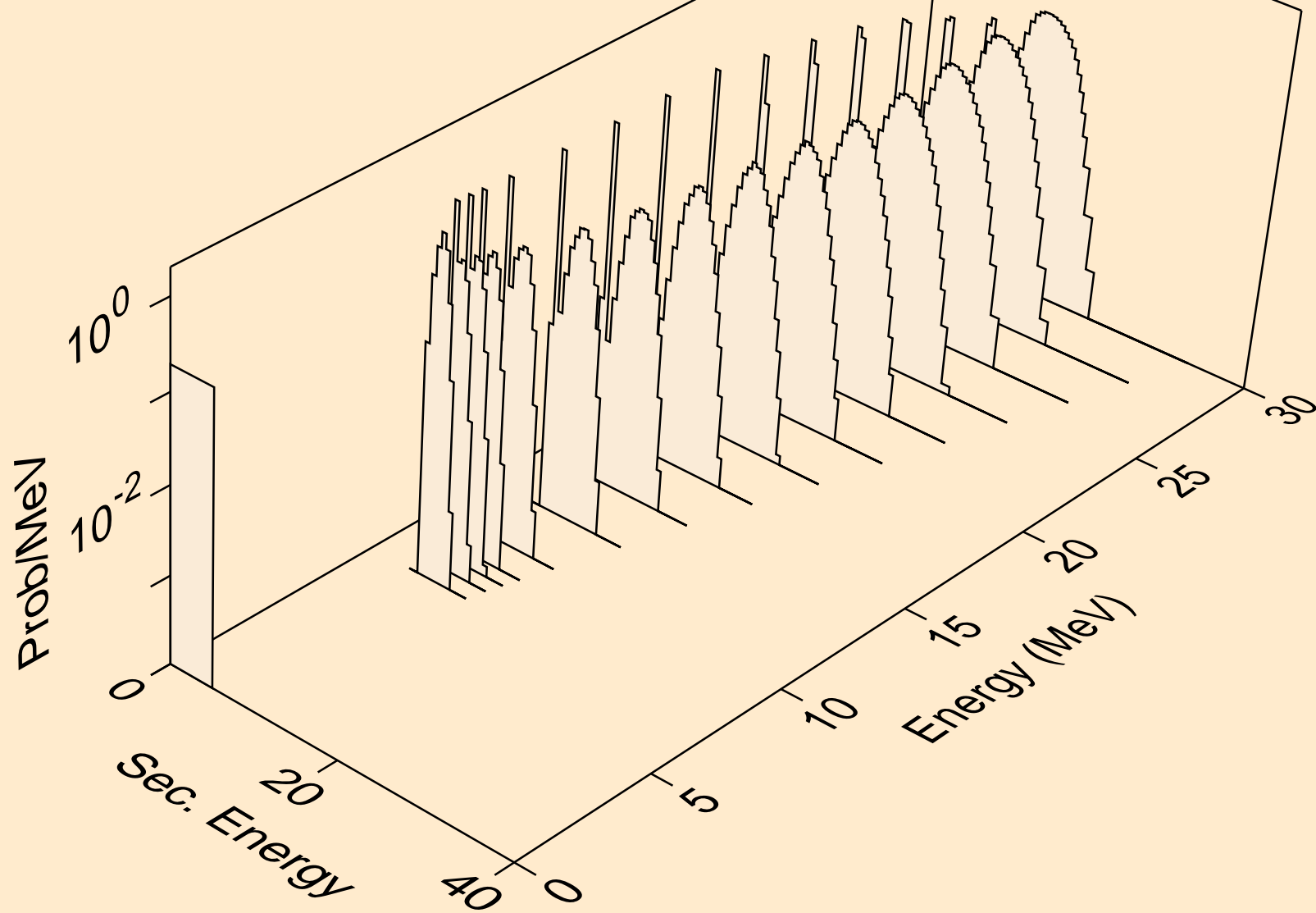
RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,t2a)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



RE166 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

