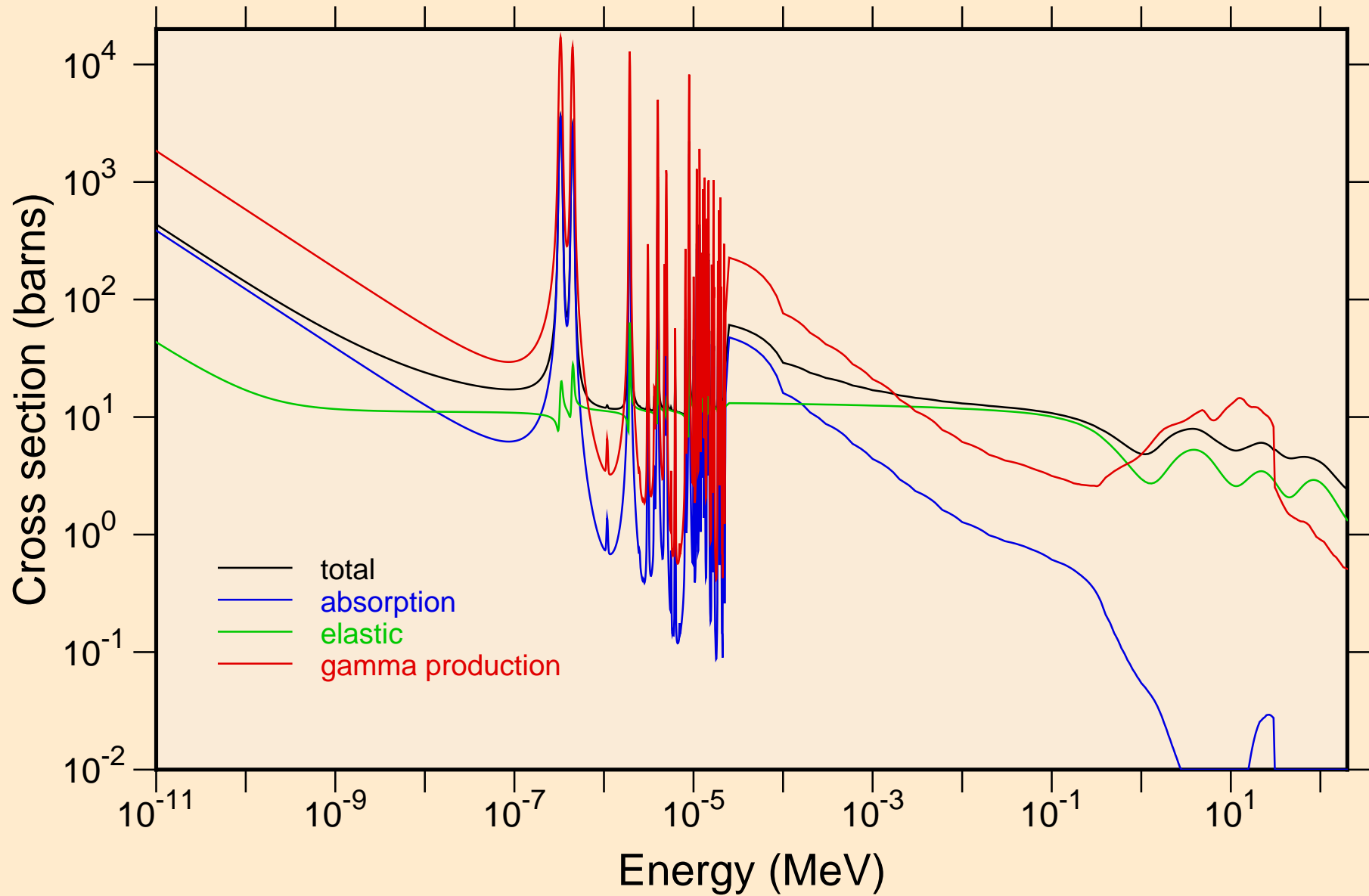
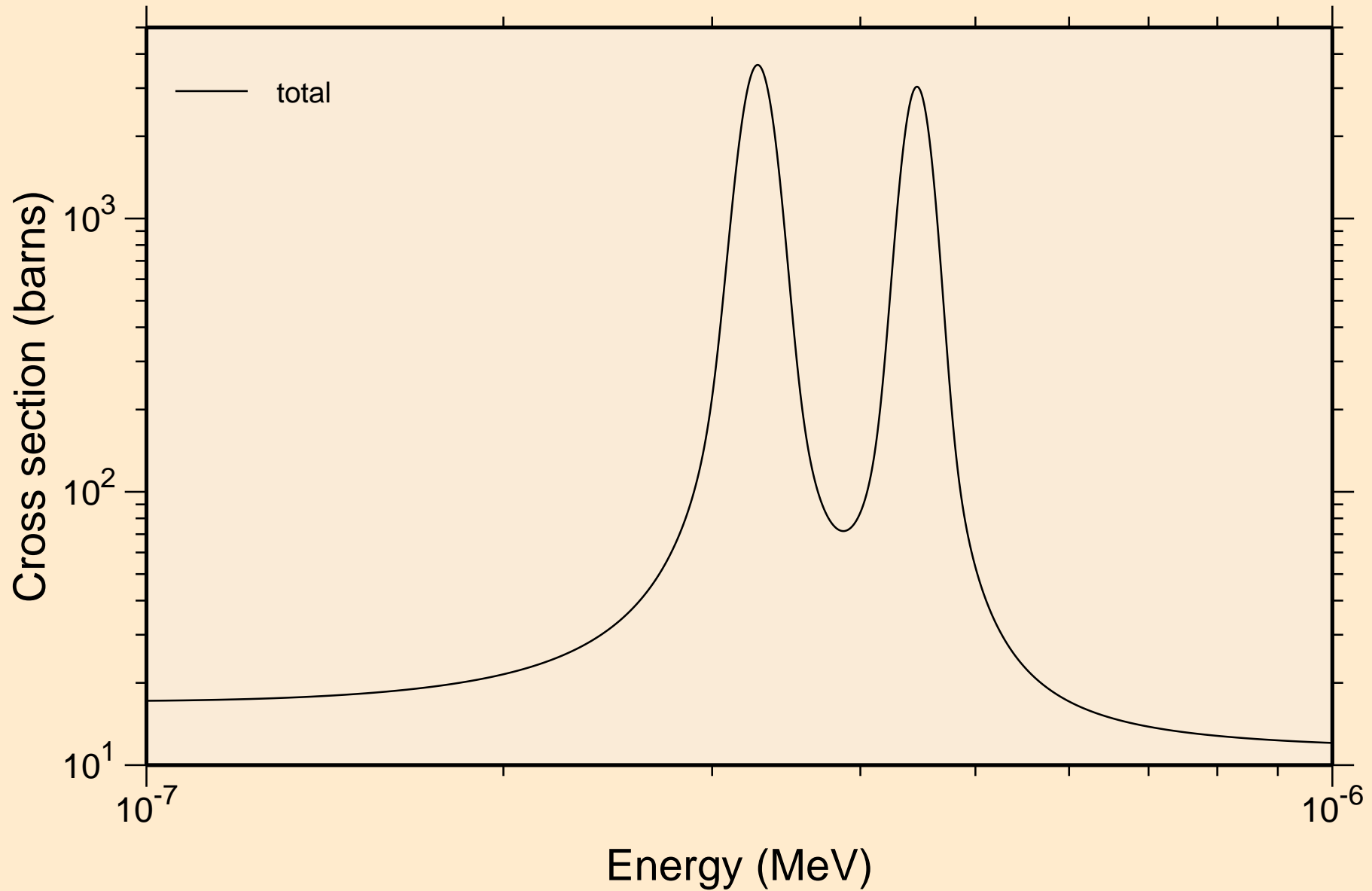


# FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

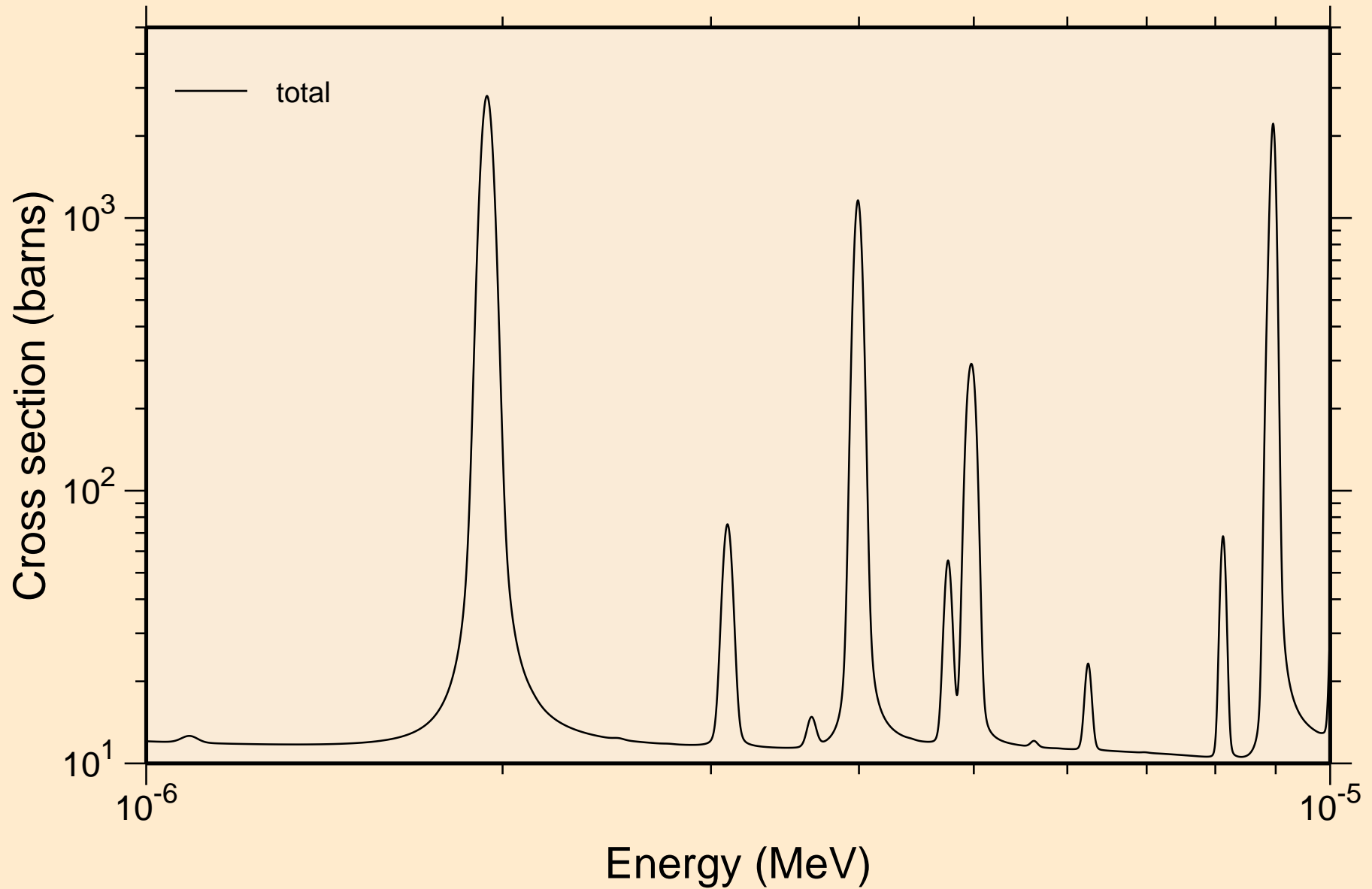
## Principal cross sections



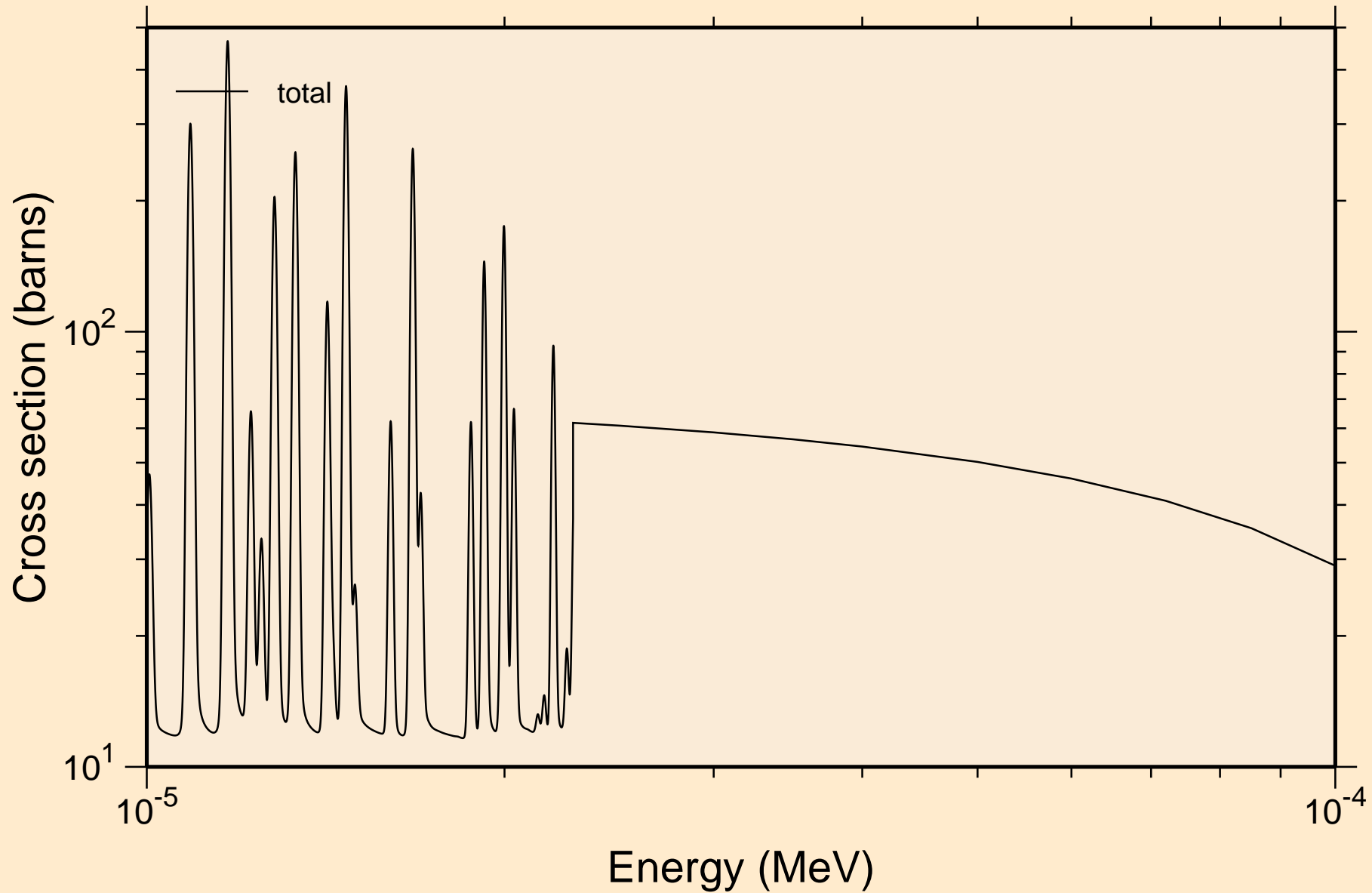
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



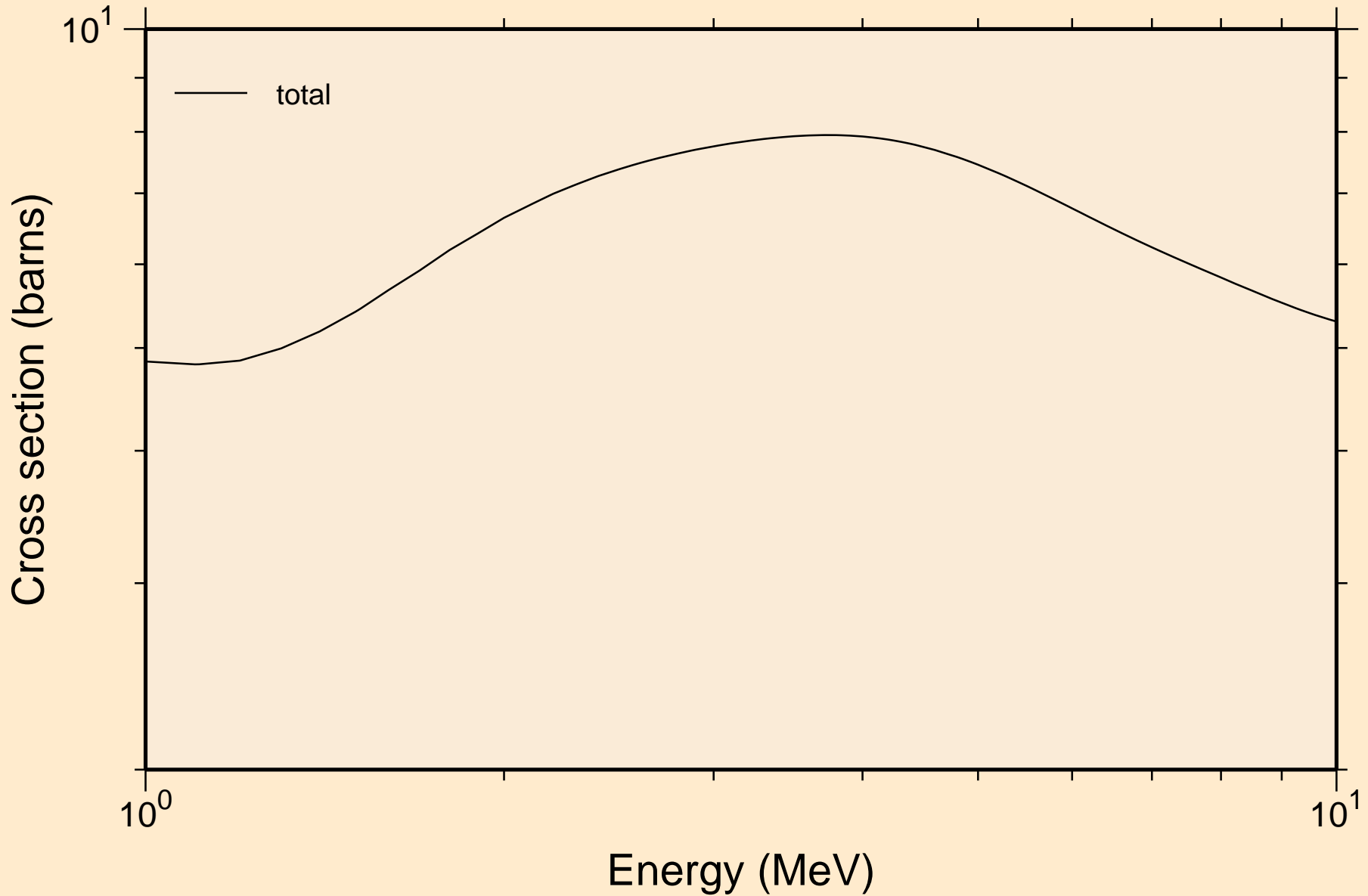
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



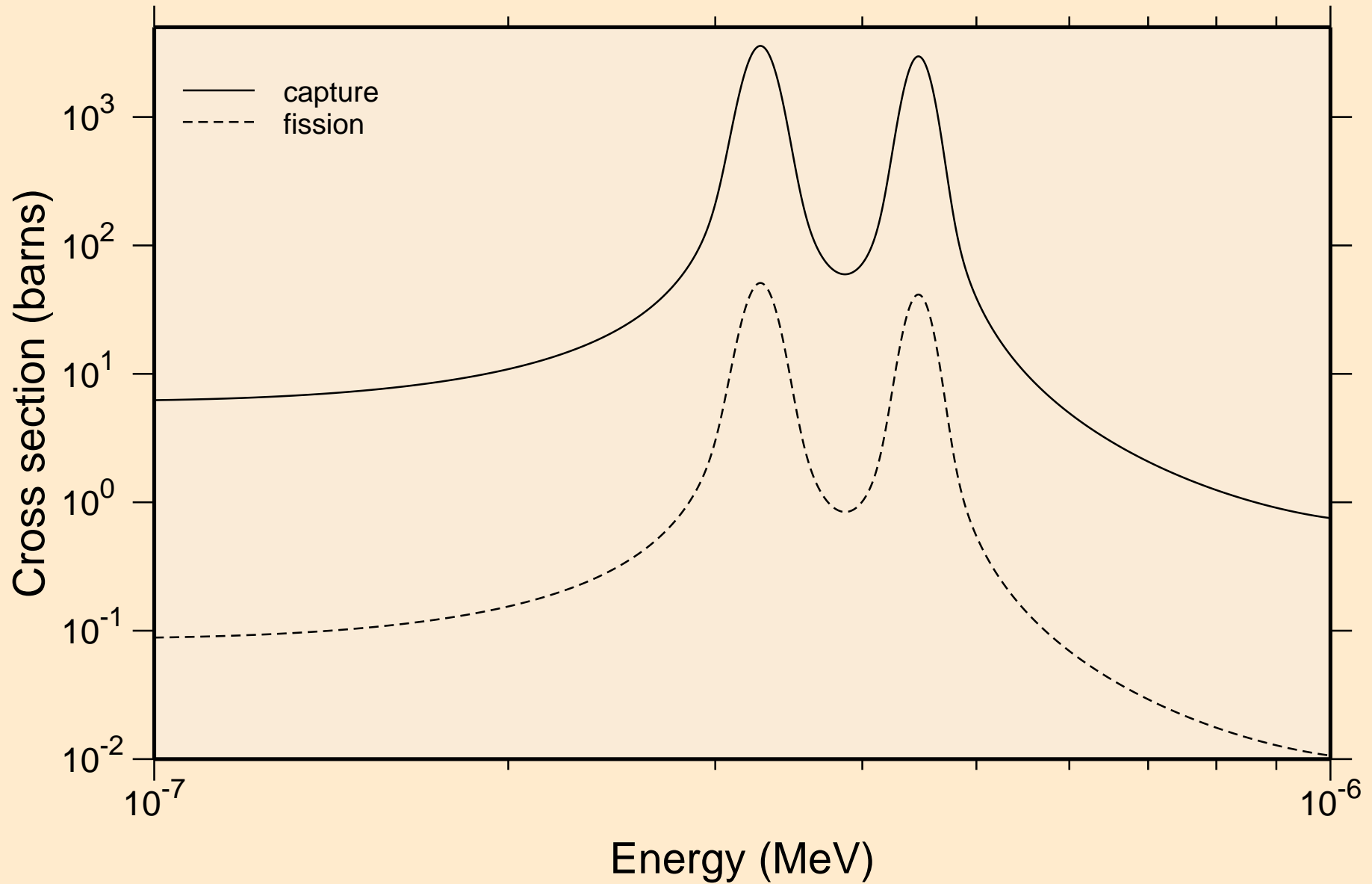
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



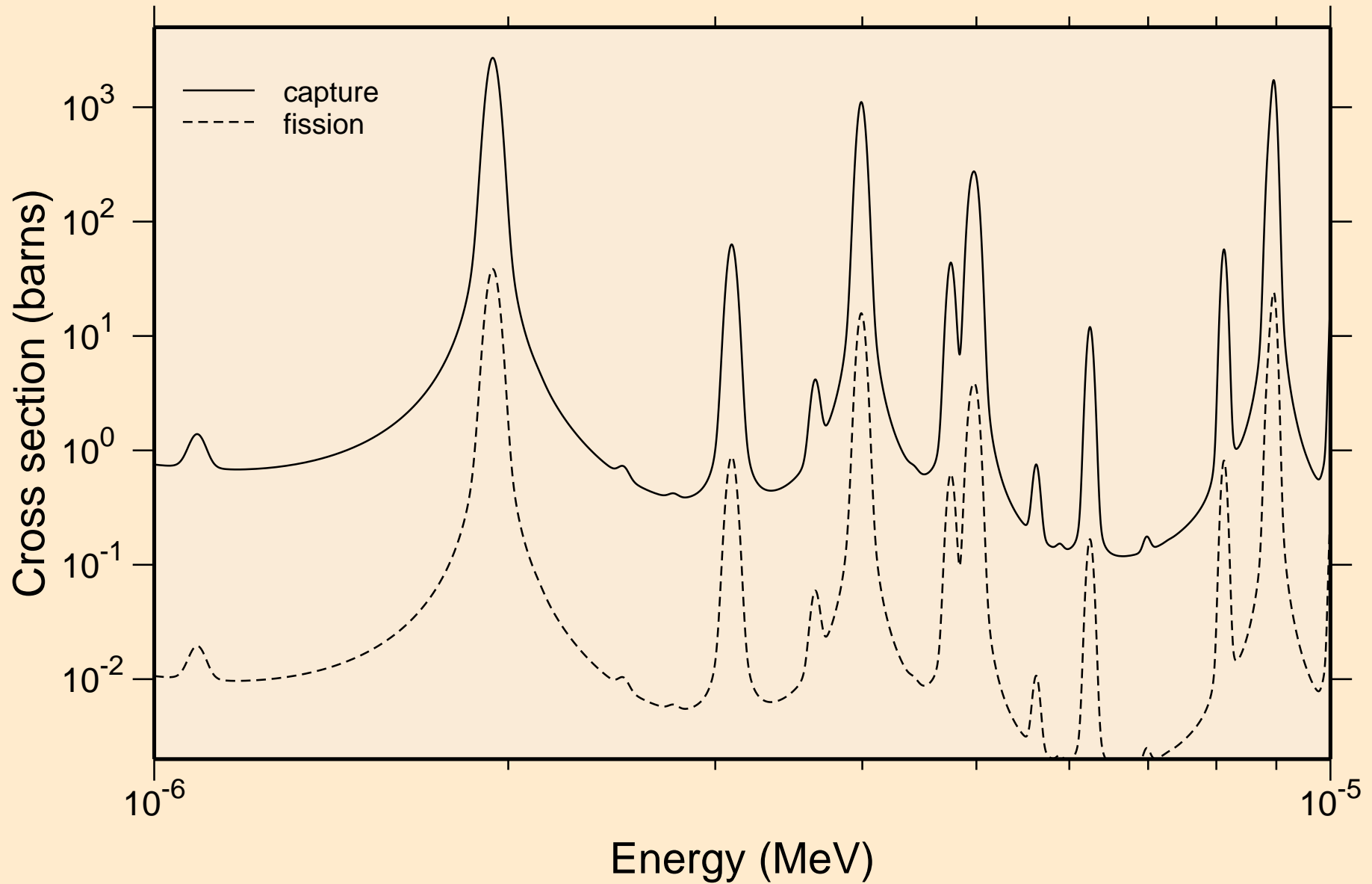
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



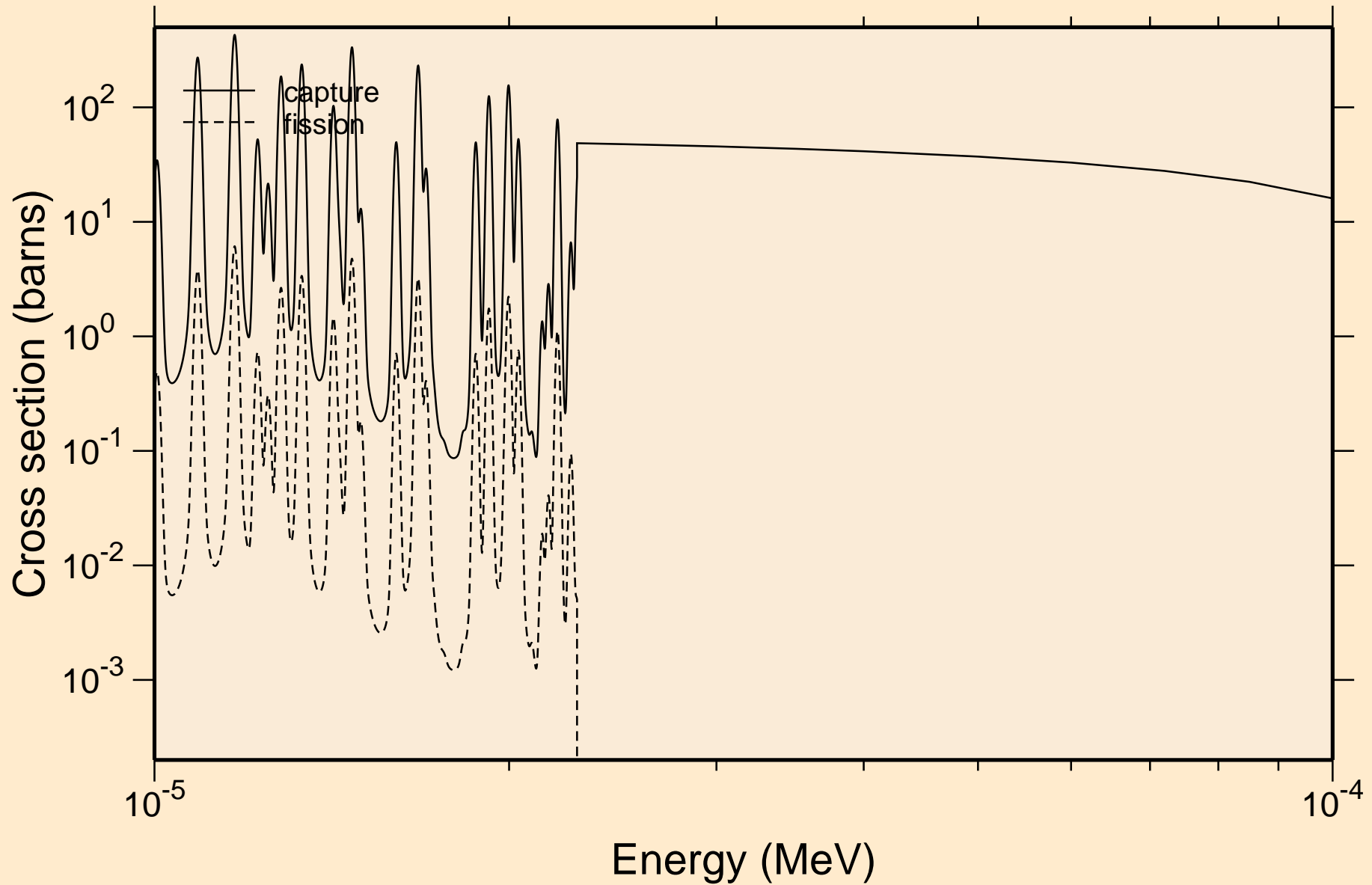
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



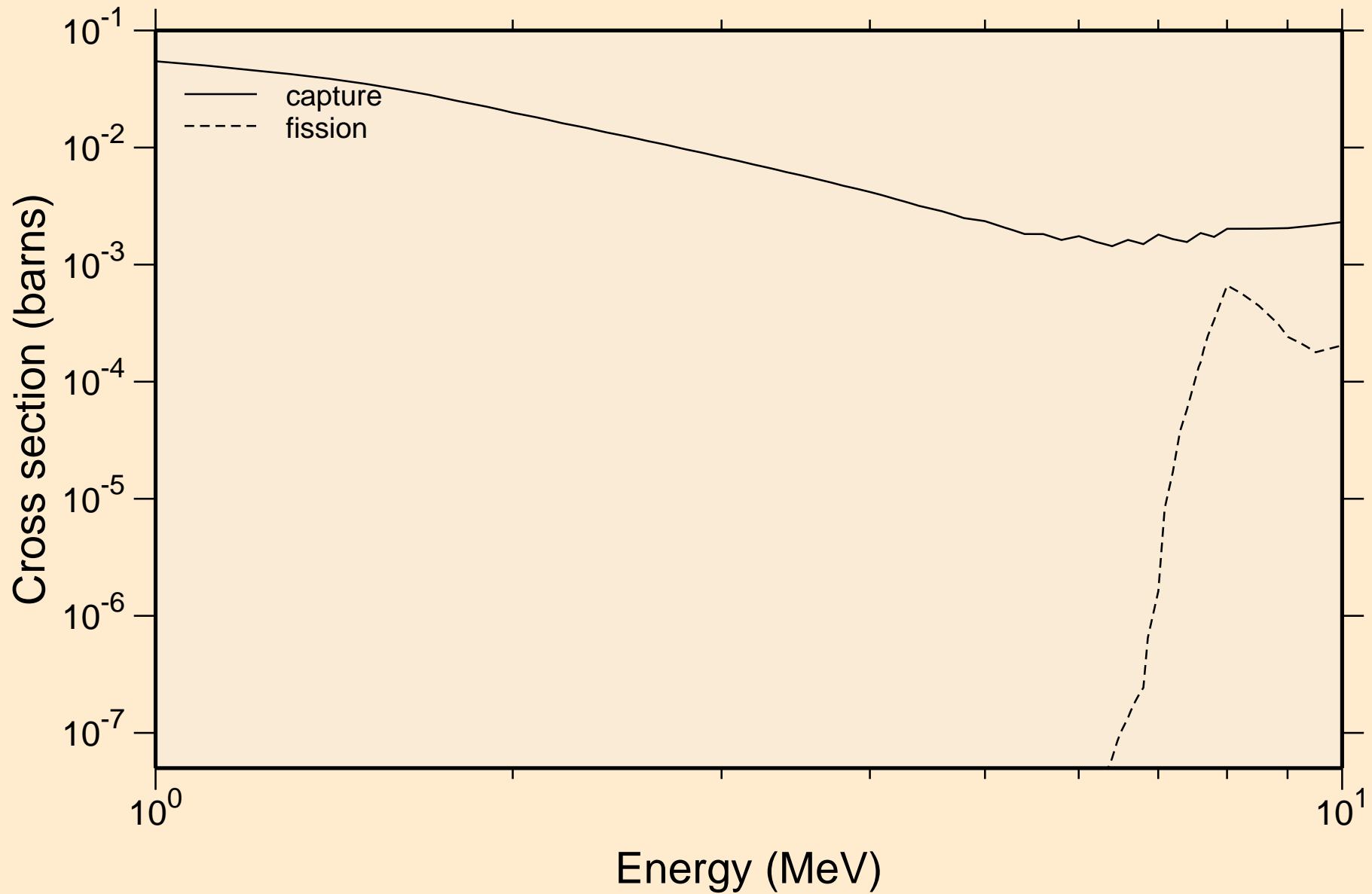
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

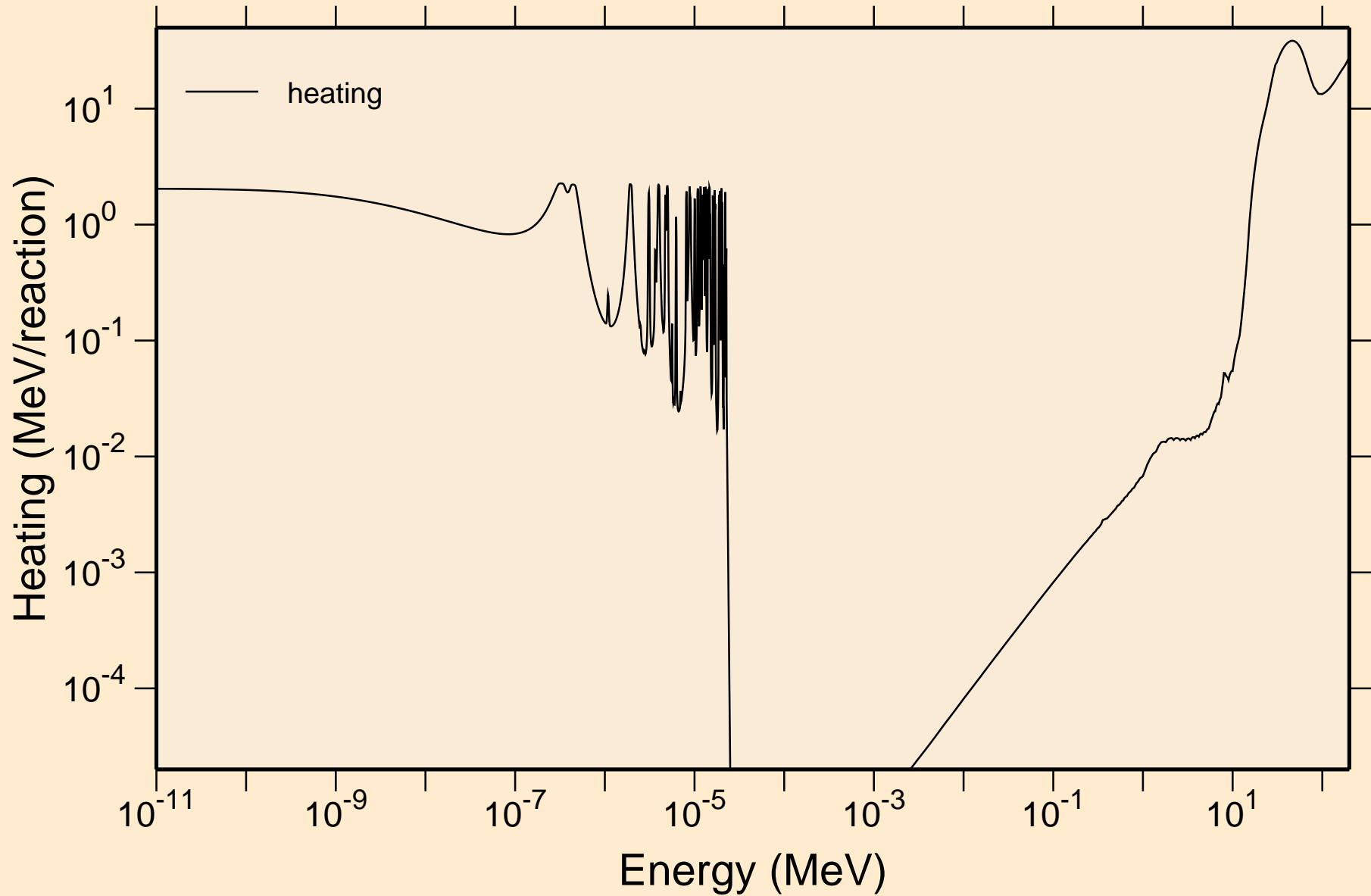


FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

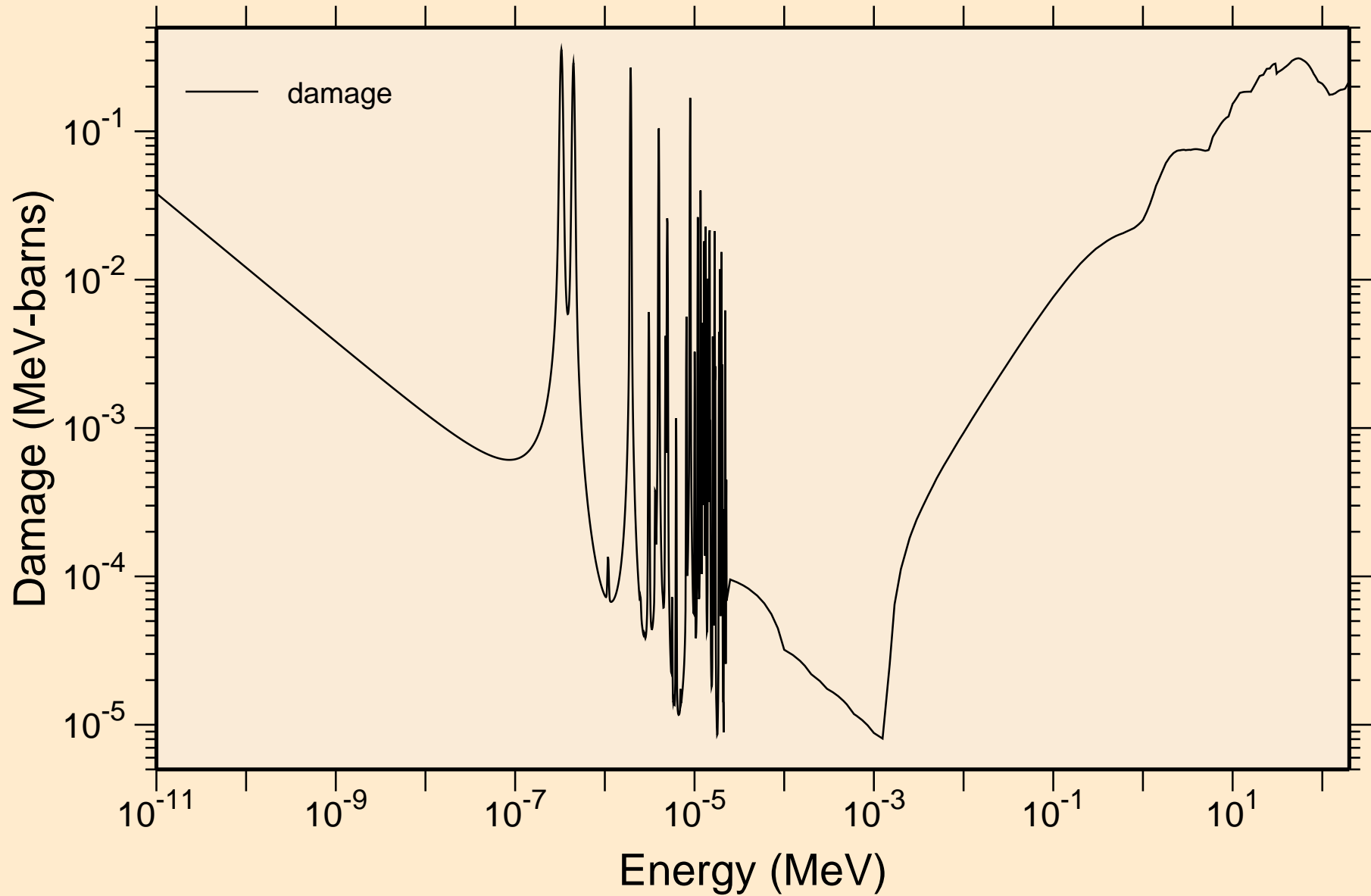


# FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

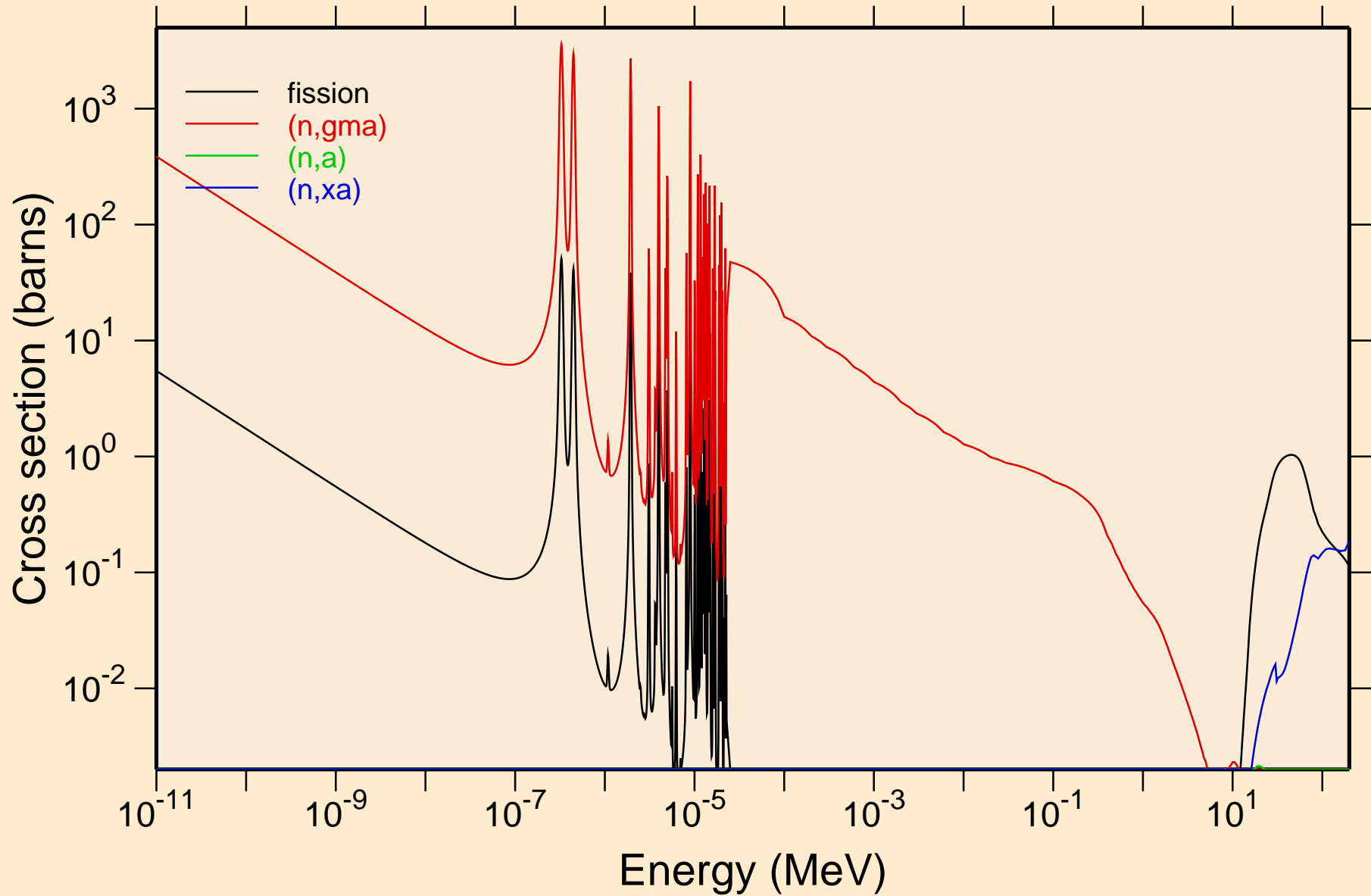
## Heating



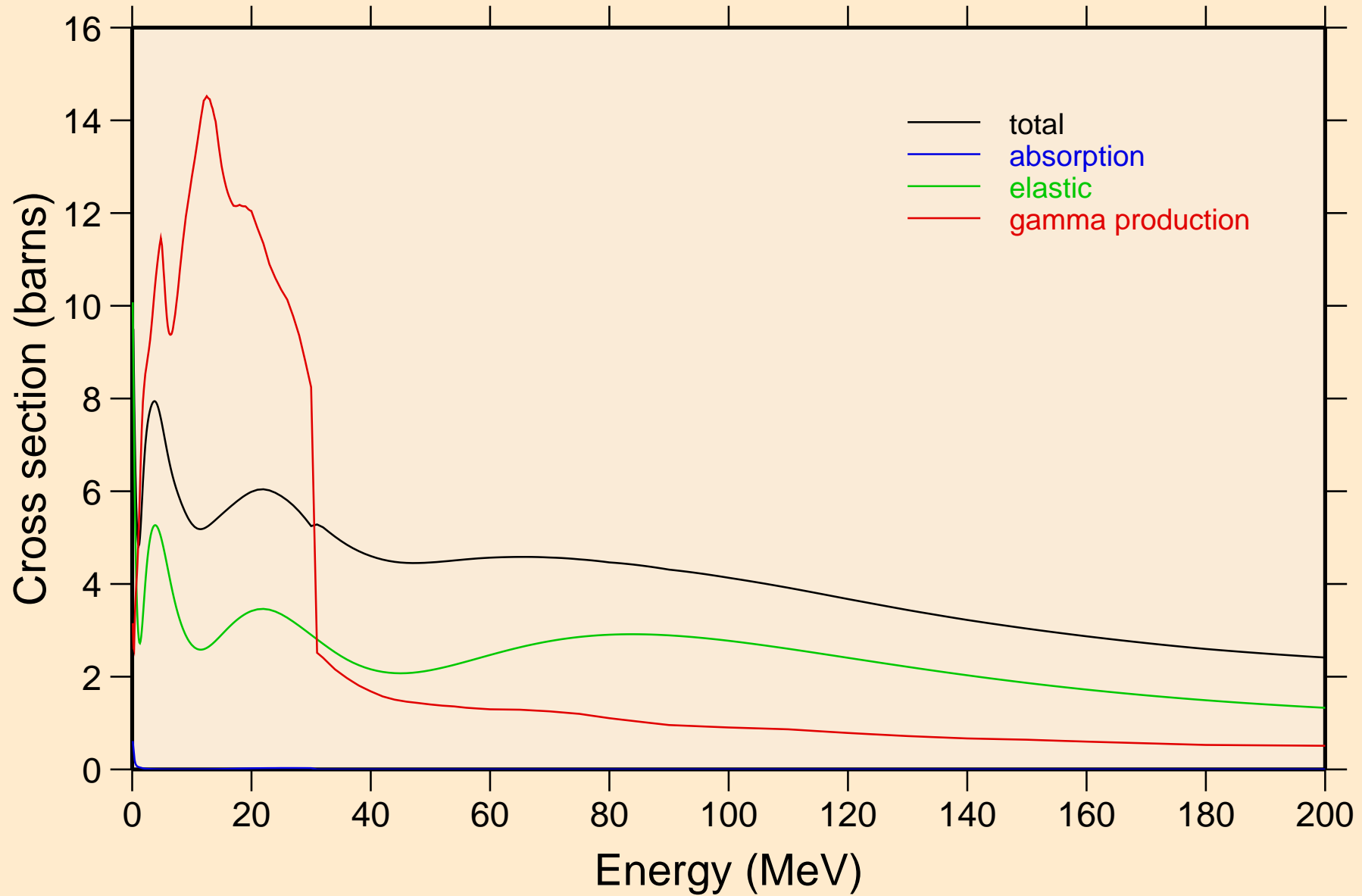
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

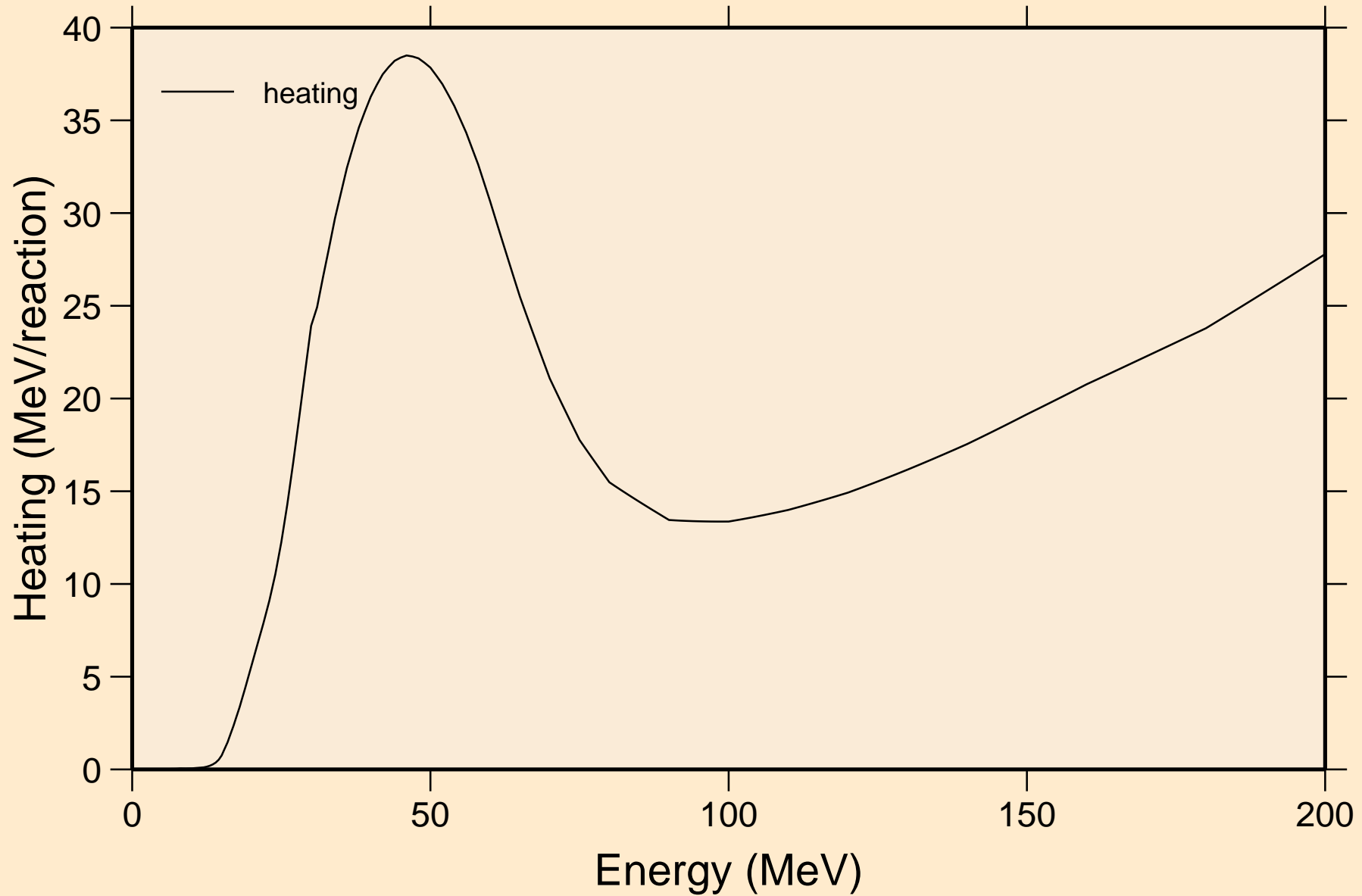


FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections

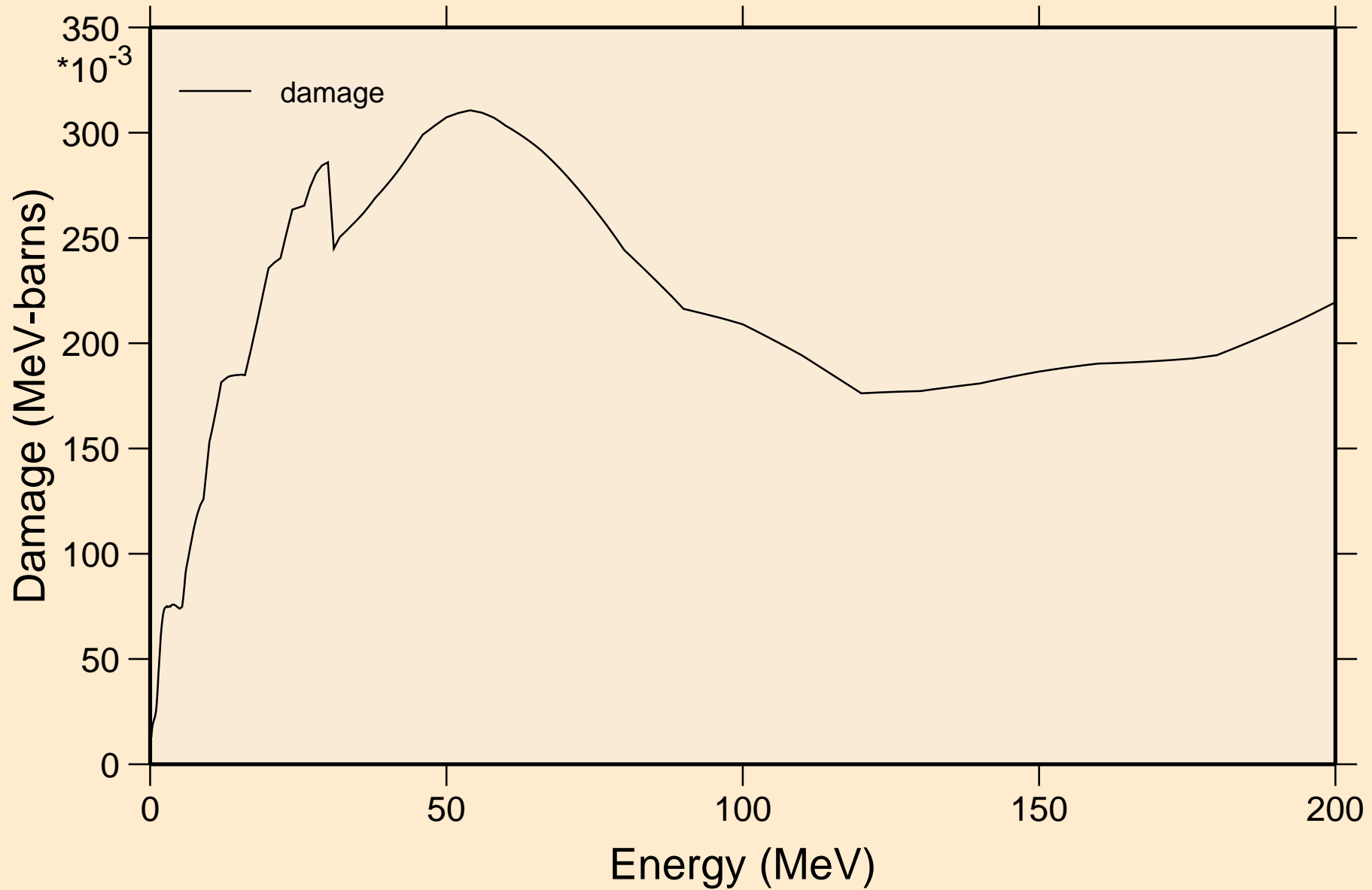


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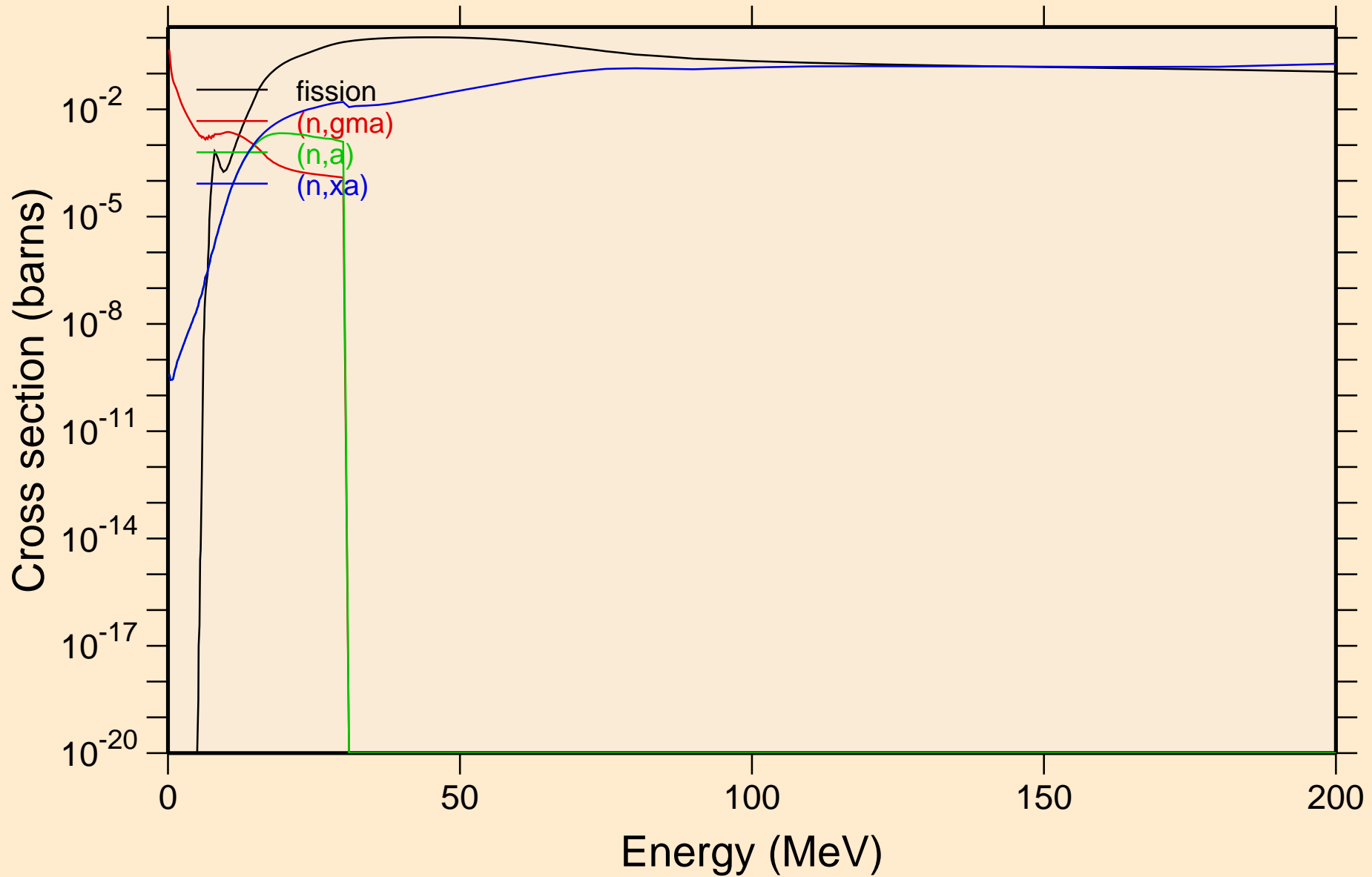
## Heating



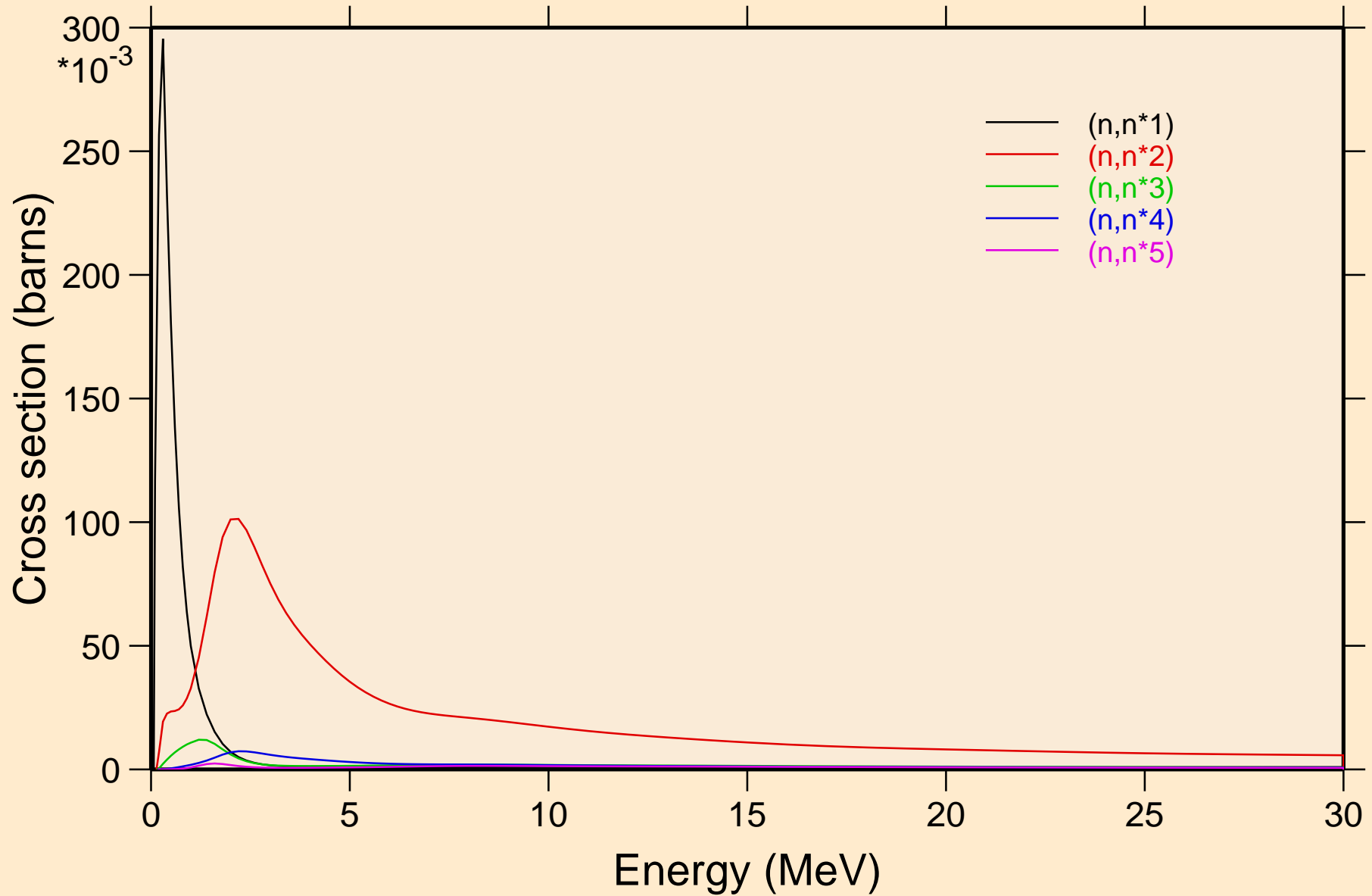
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



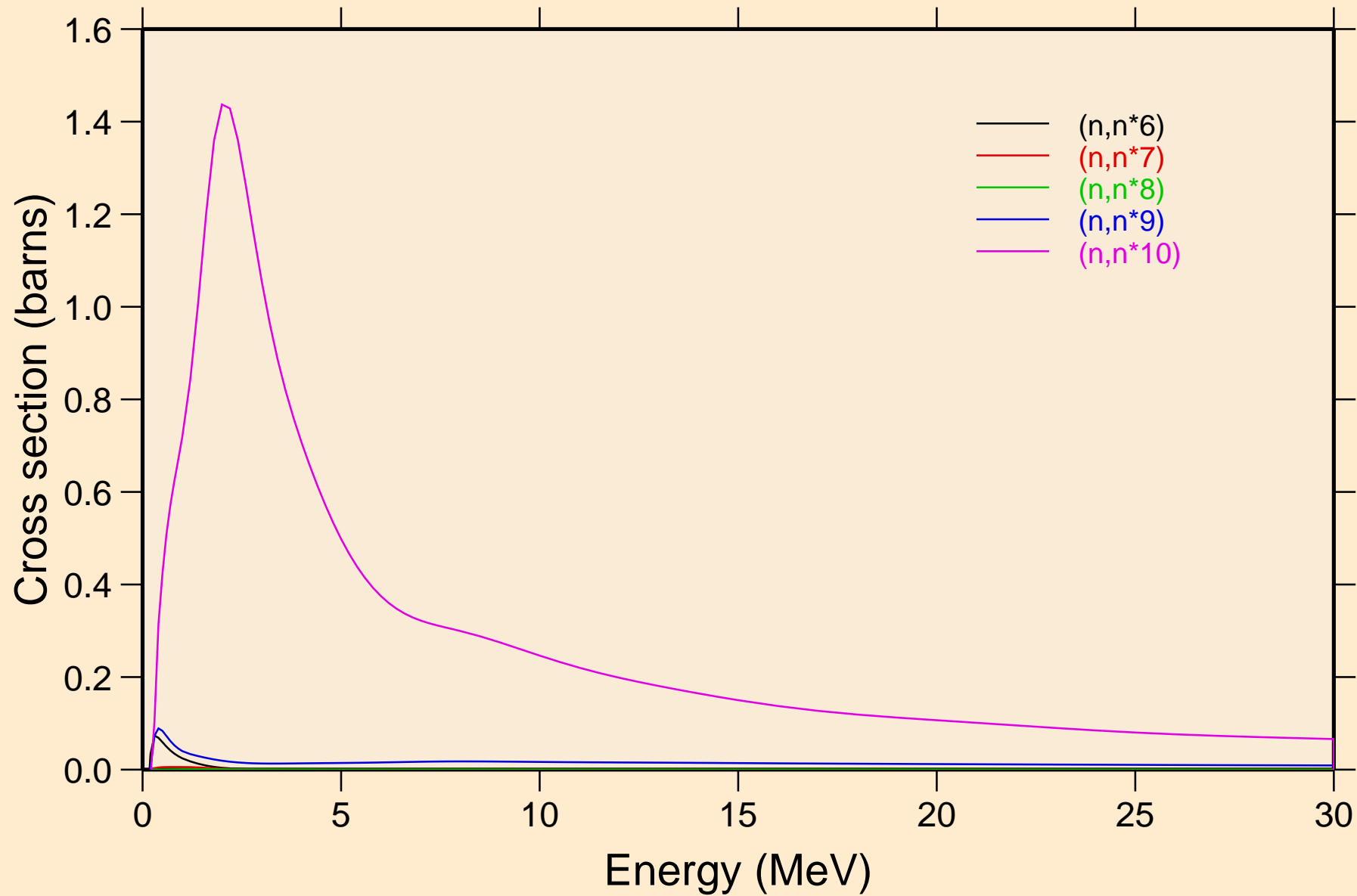
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Non-threshold reactions



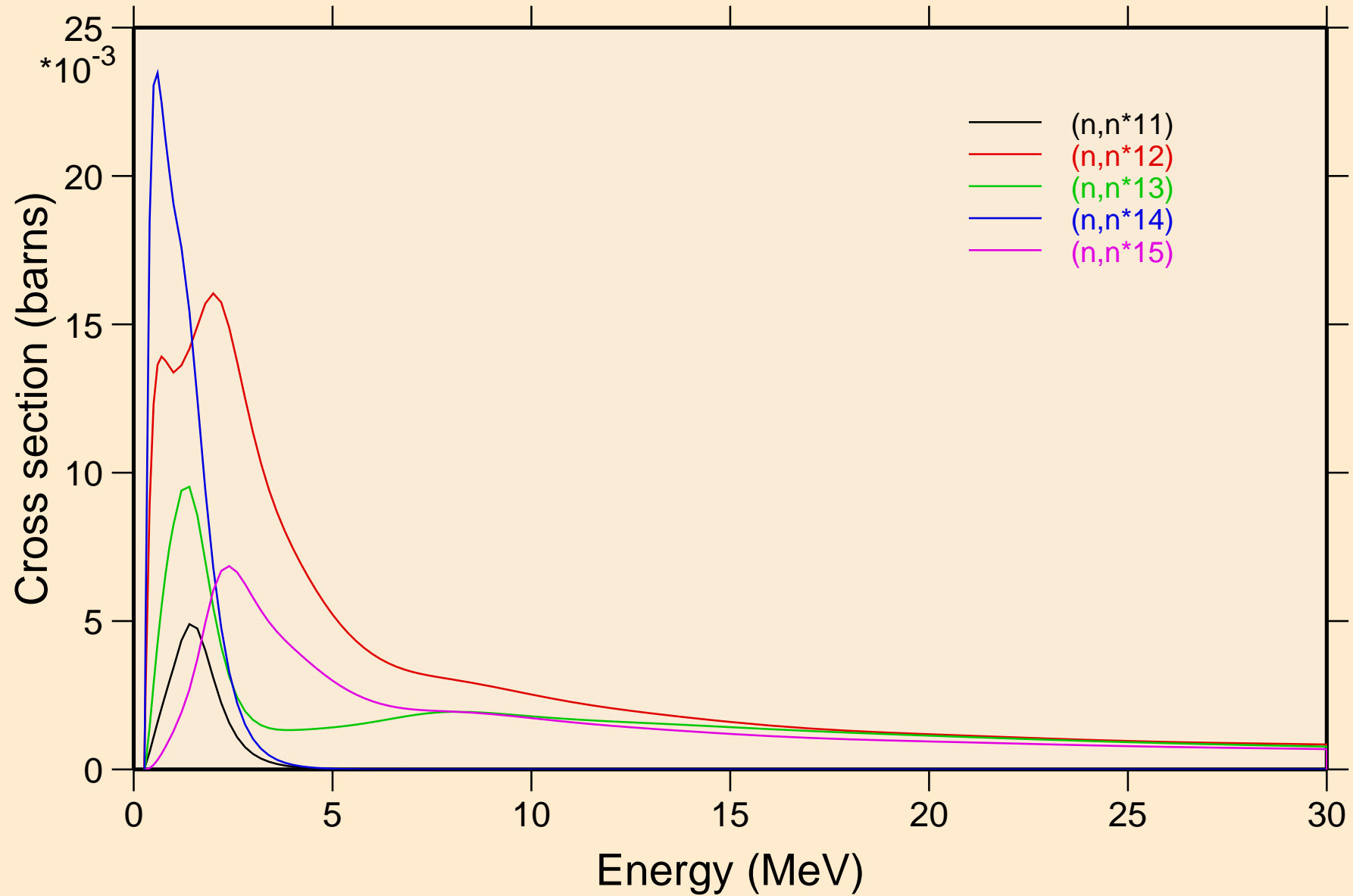
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



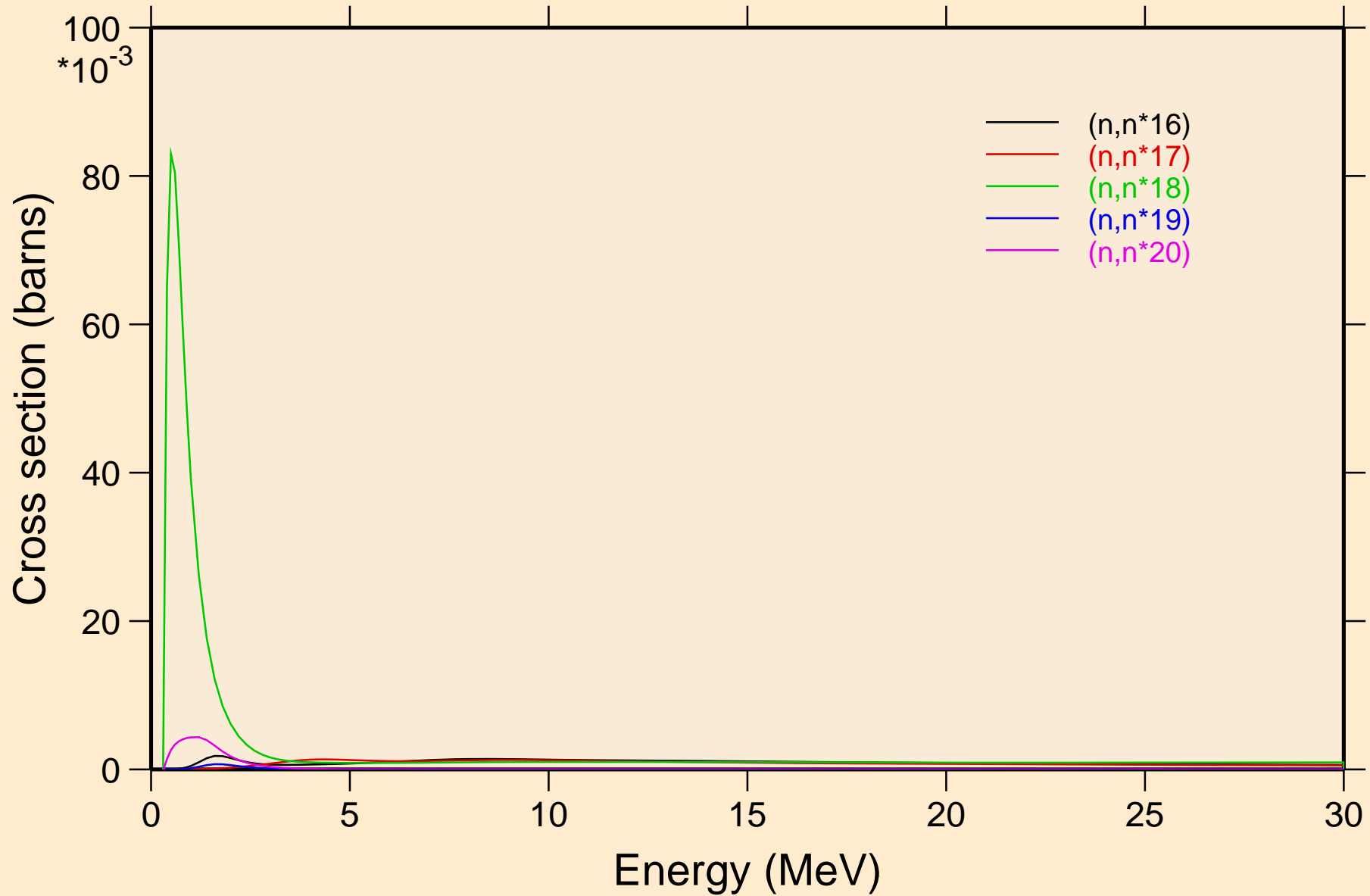
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



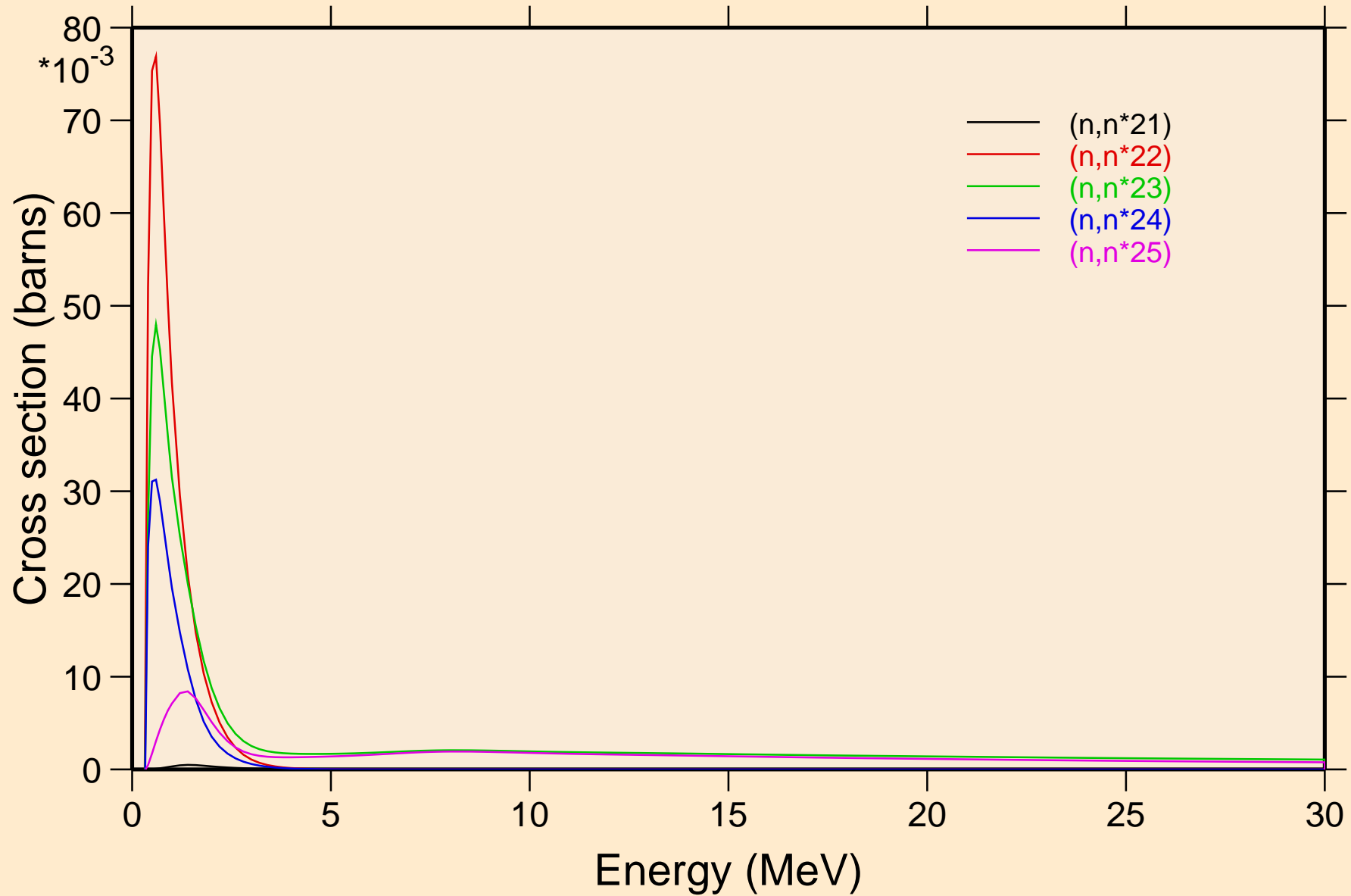
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



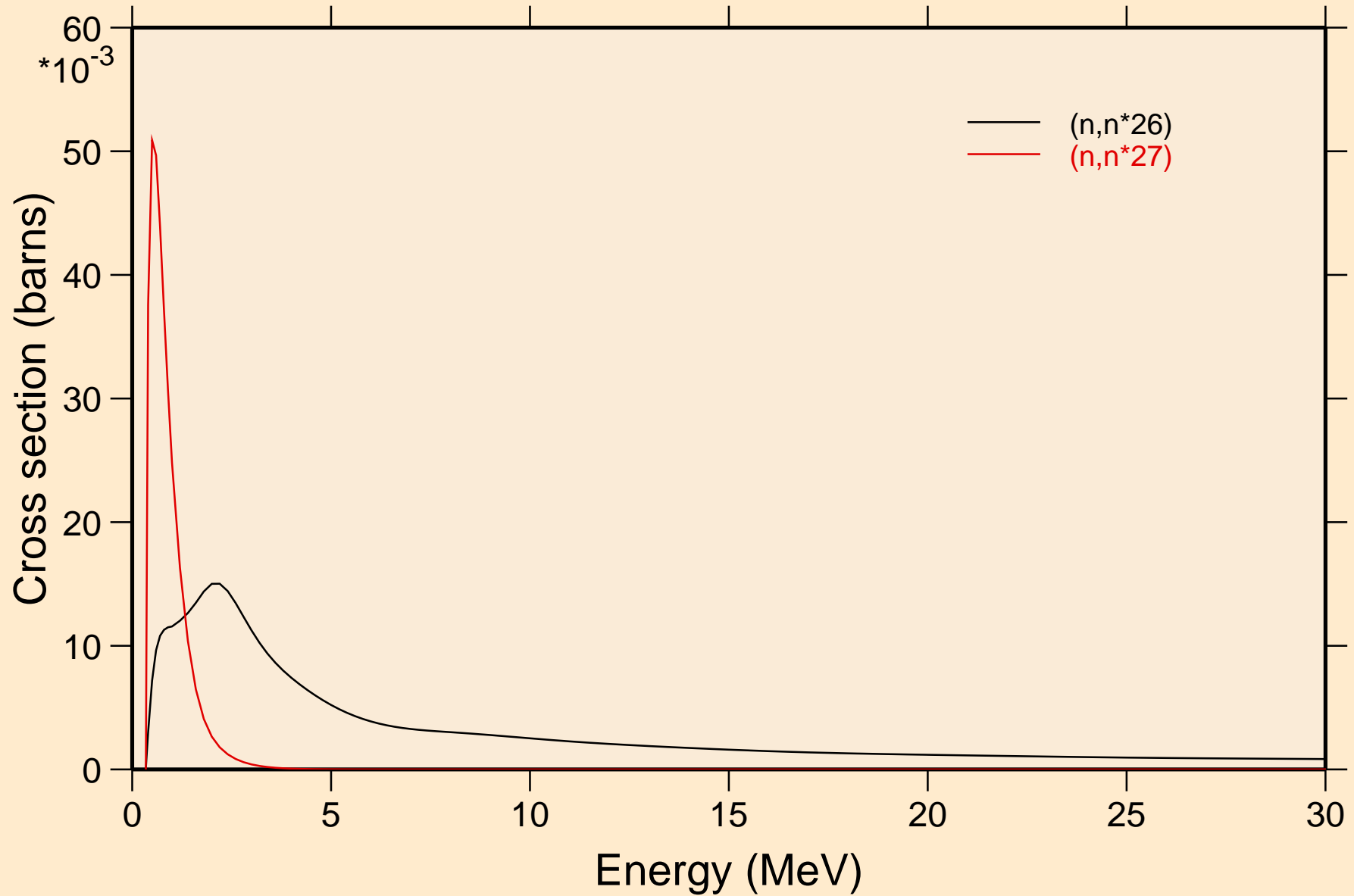
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



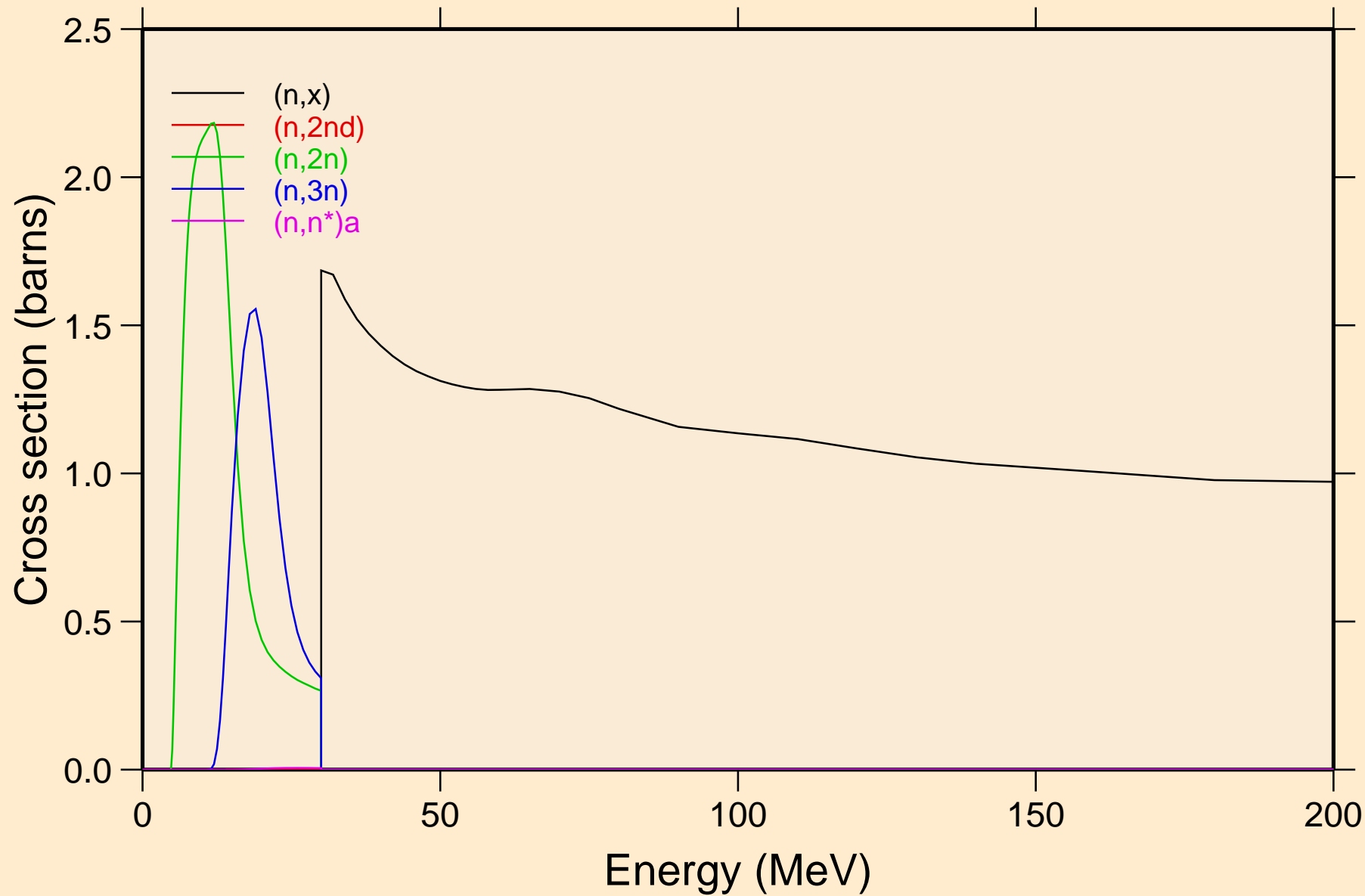
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



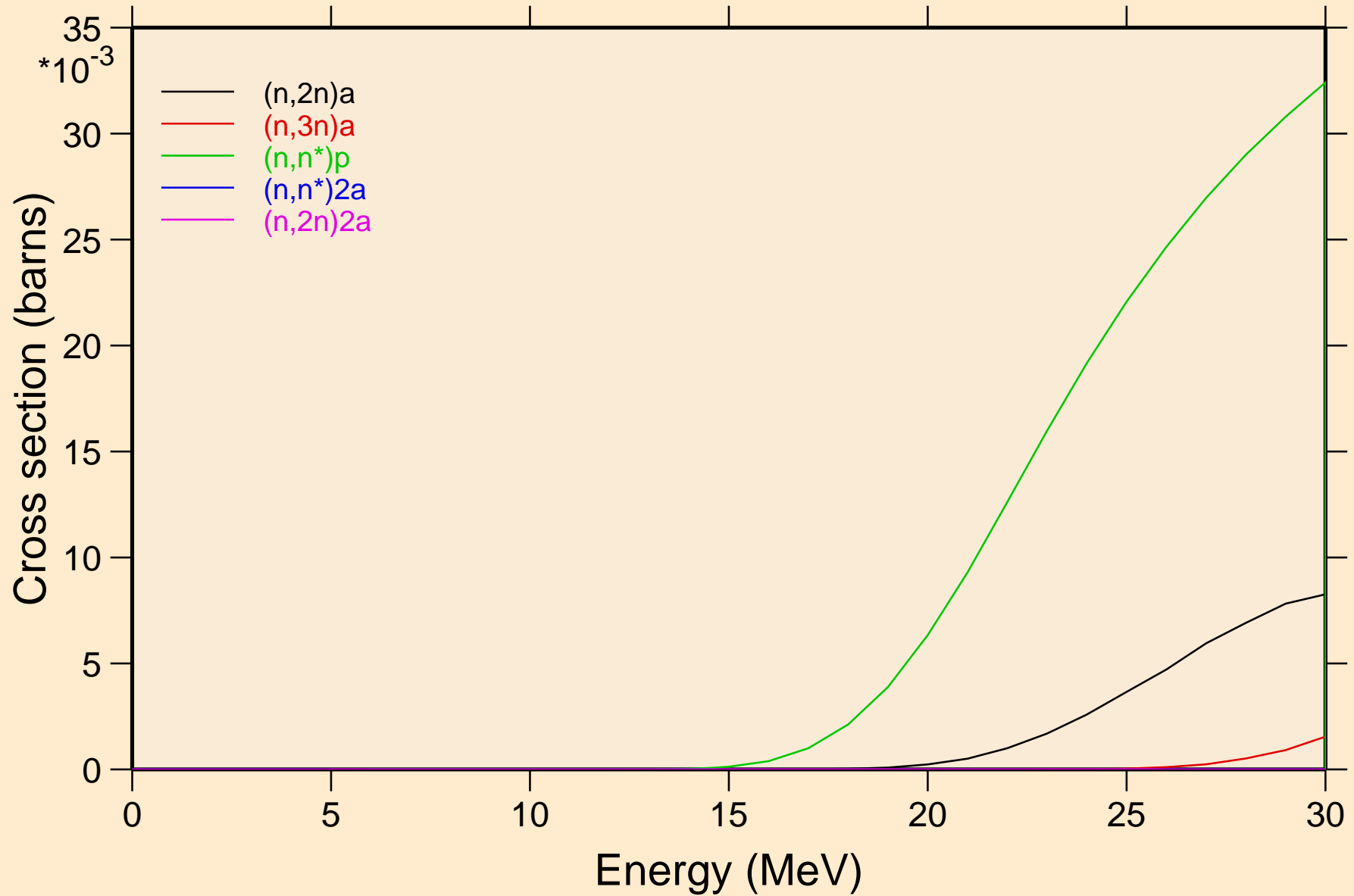
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Inelastic levels



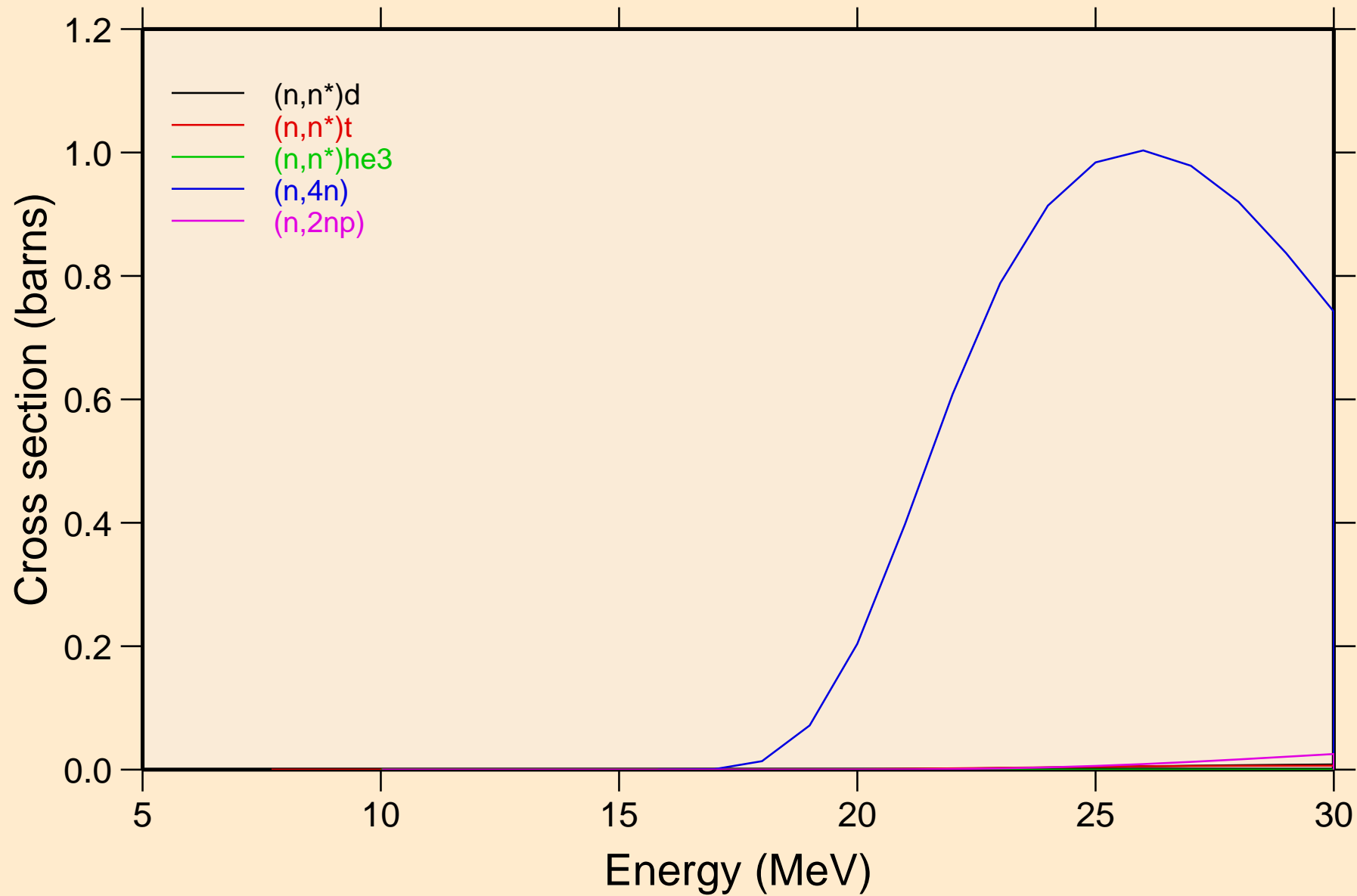
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



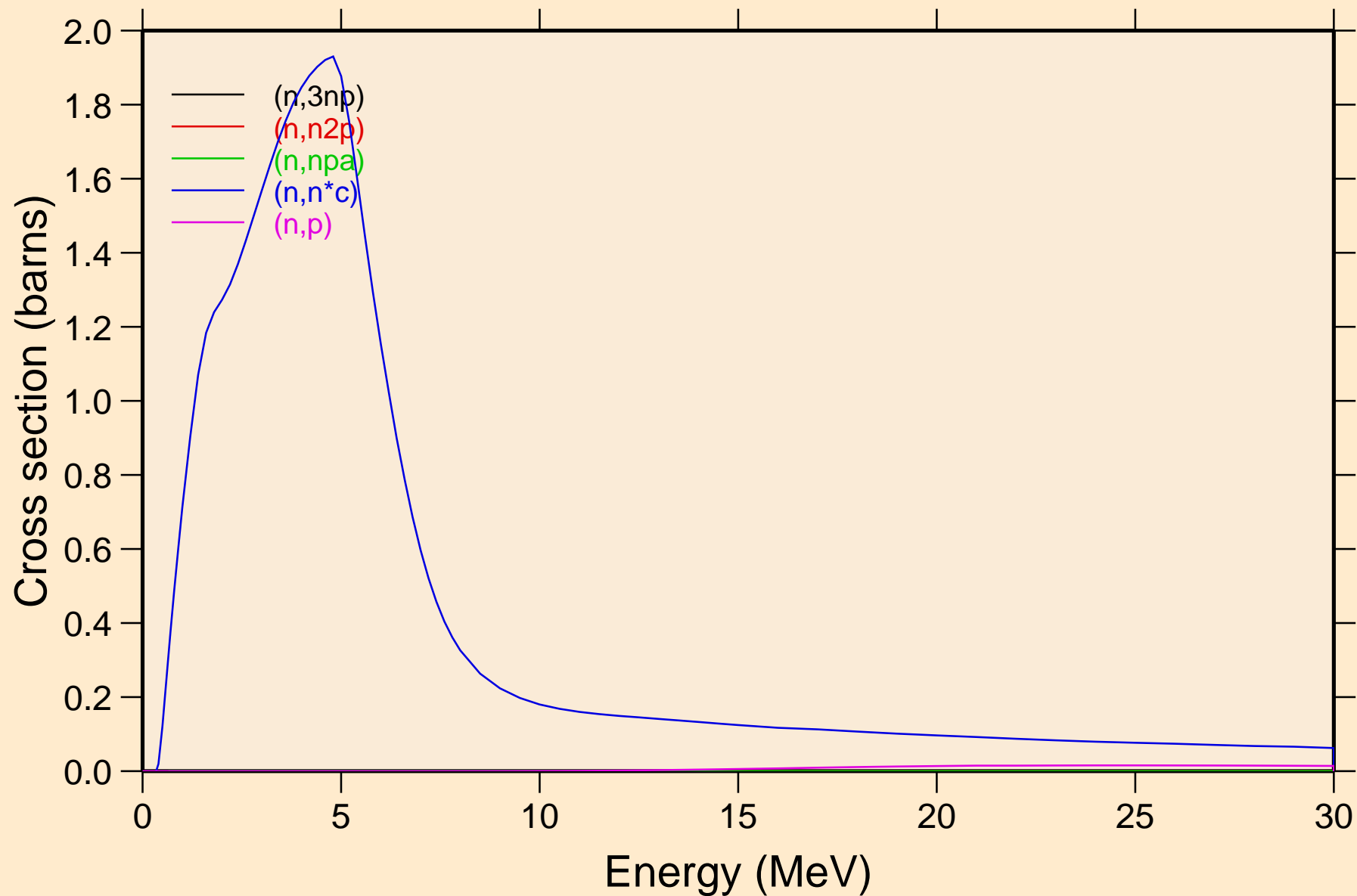
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



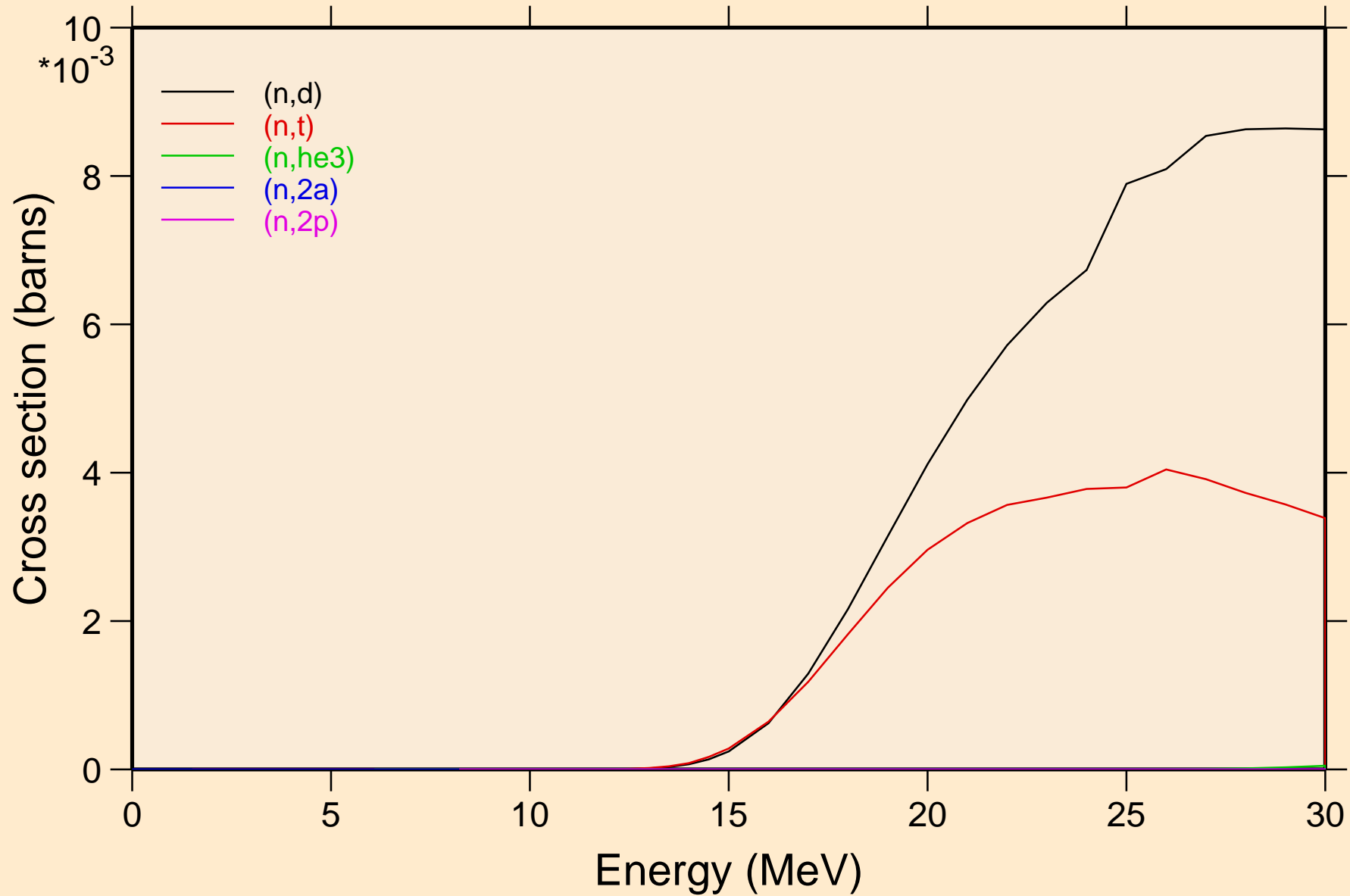
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



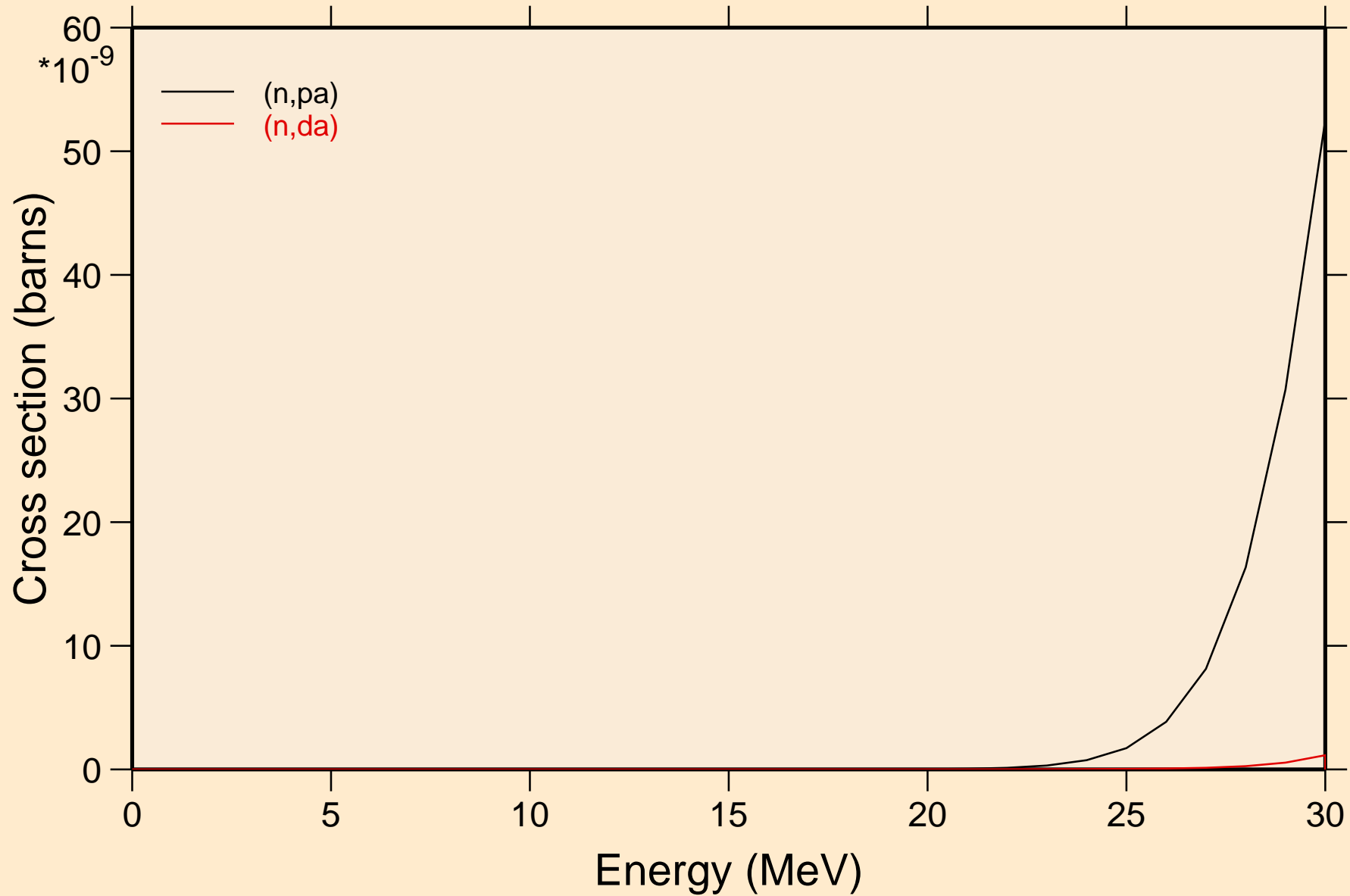
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



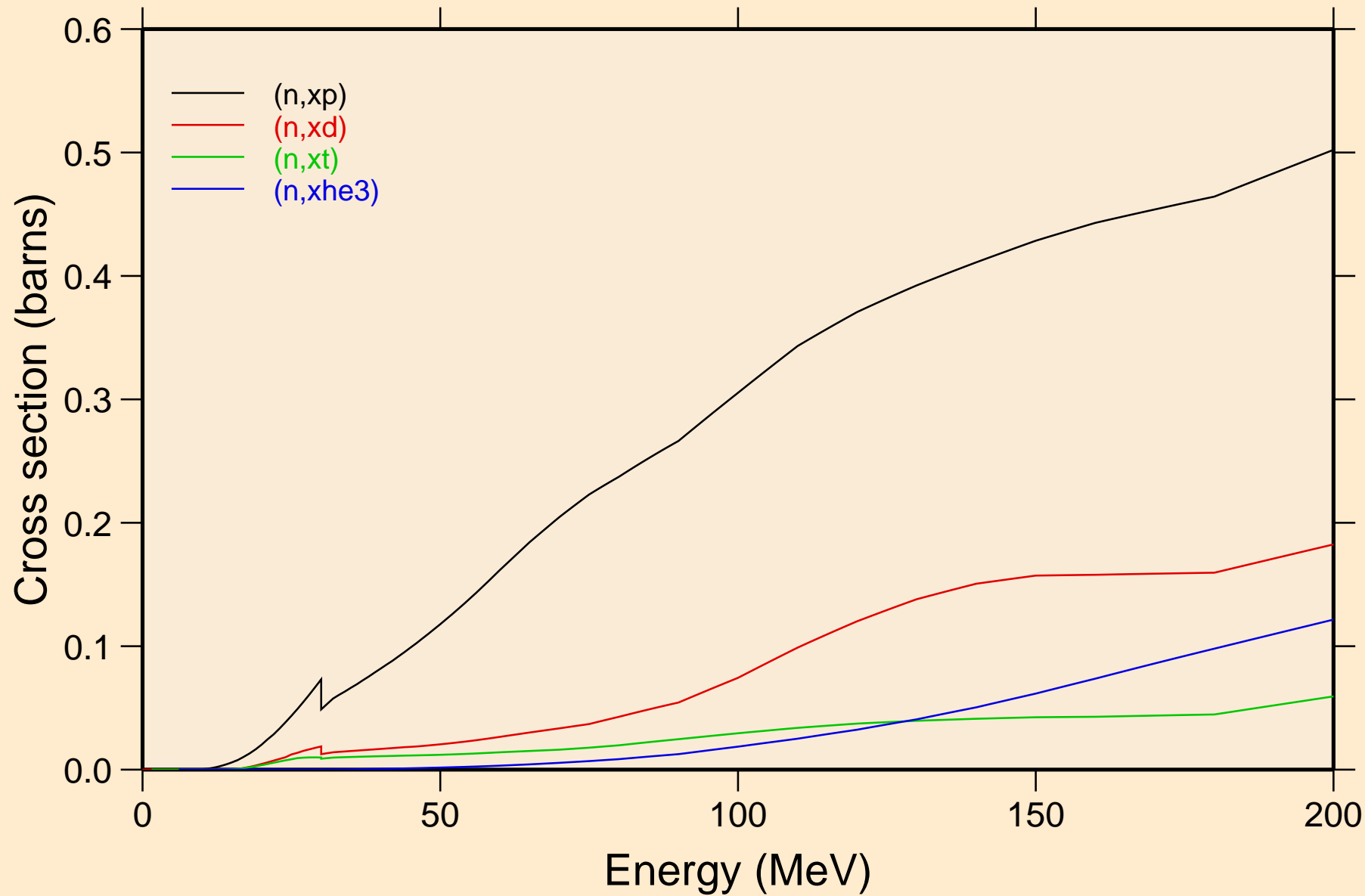
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



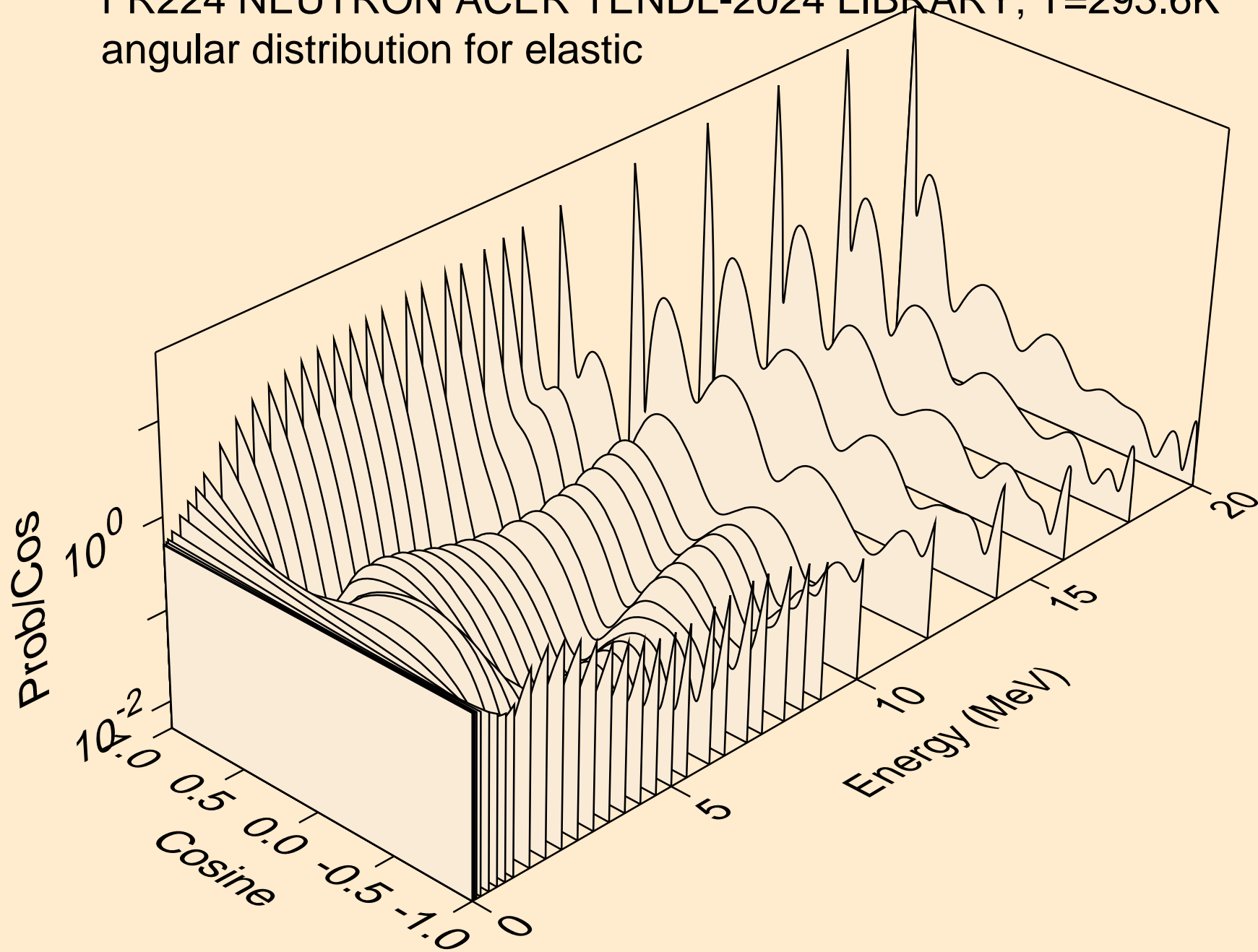
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



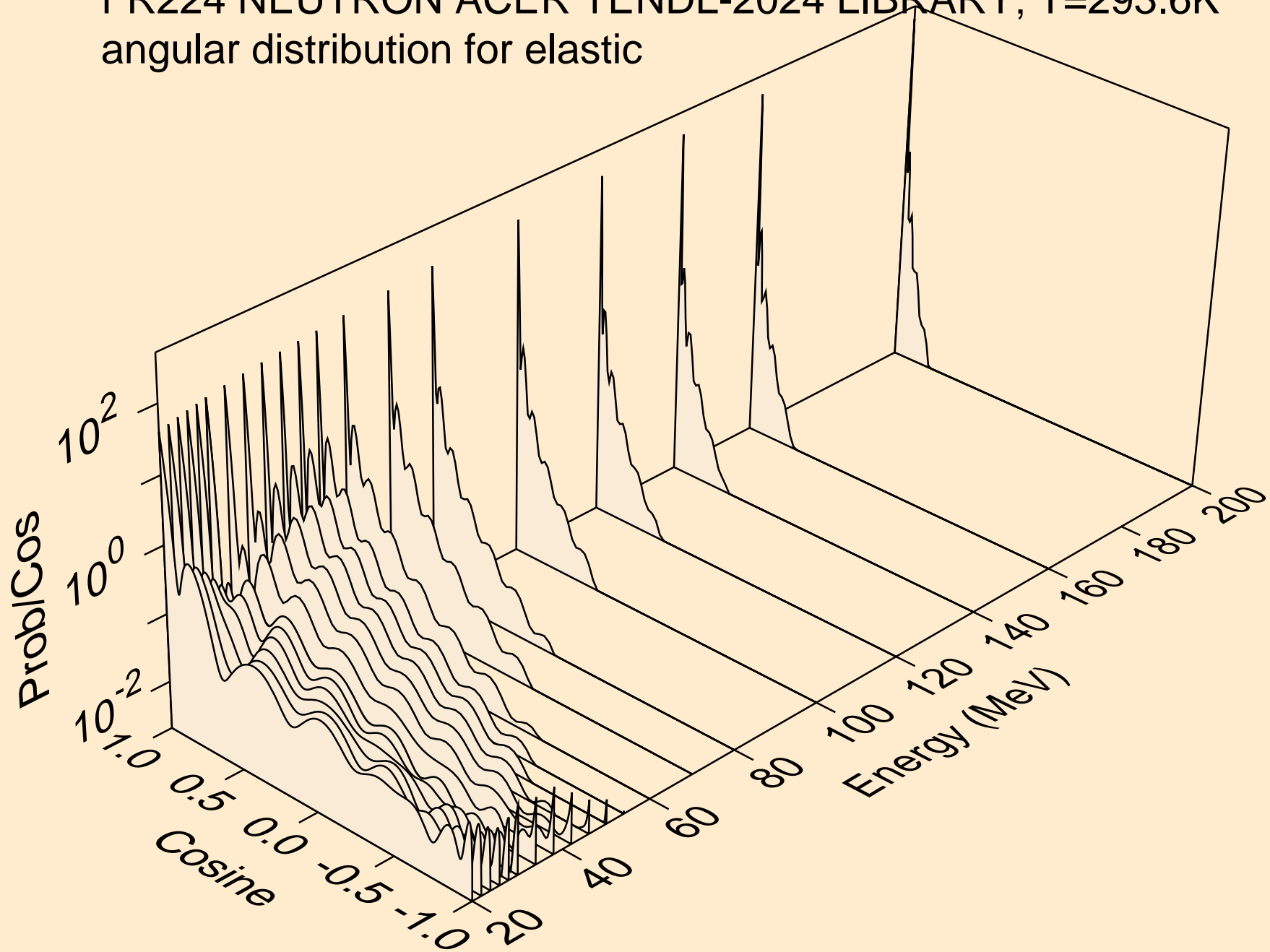
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



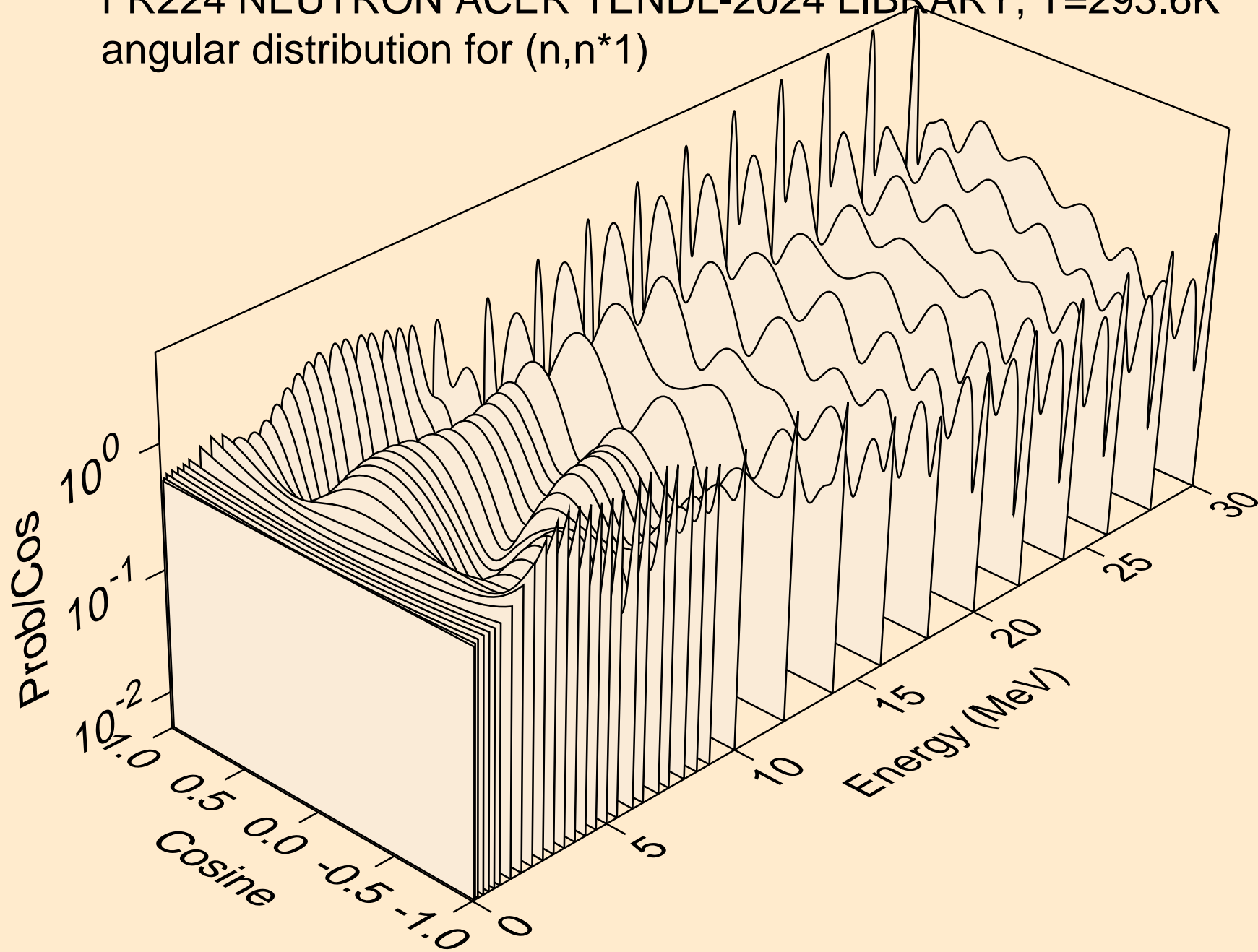
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



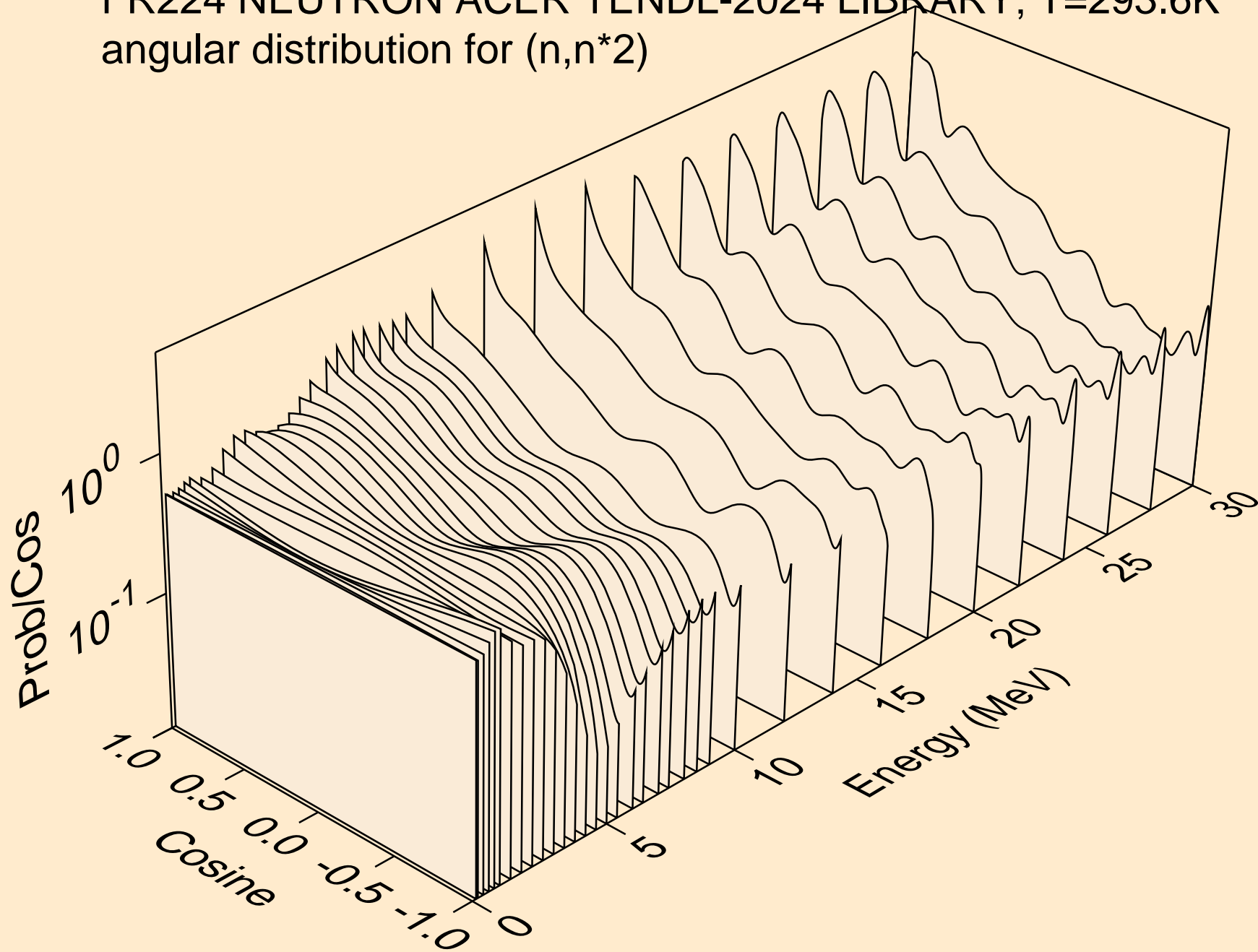
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



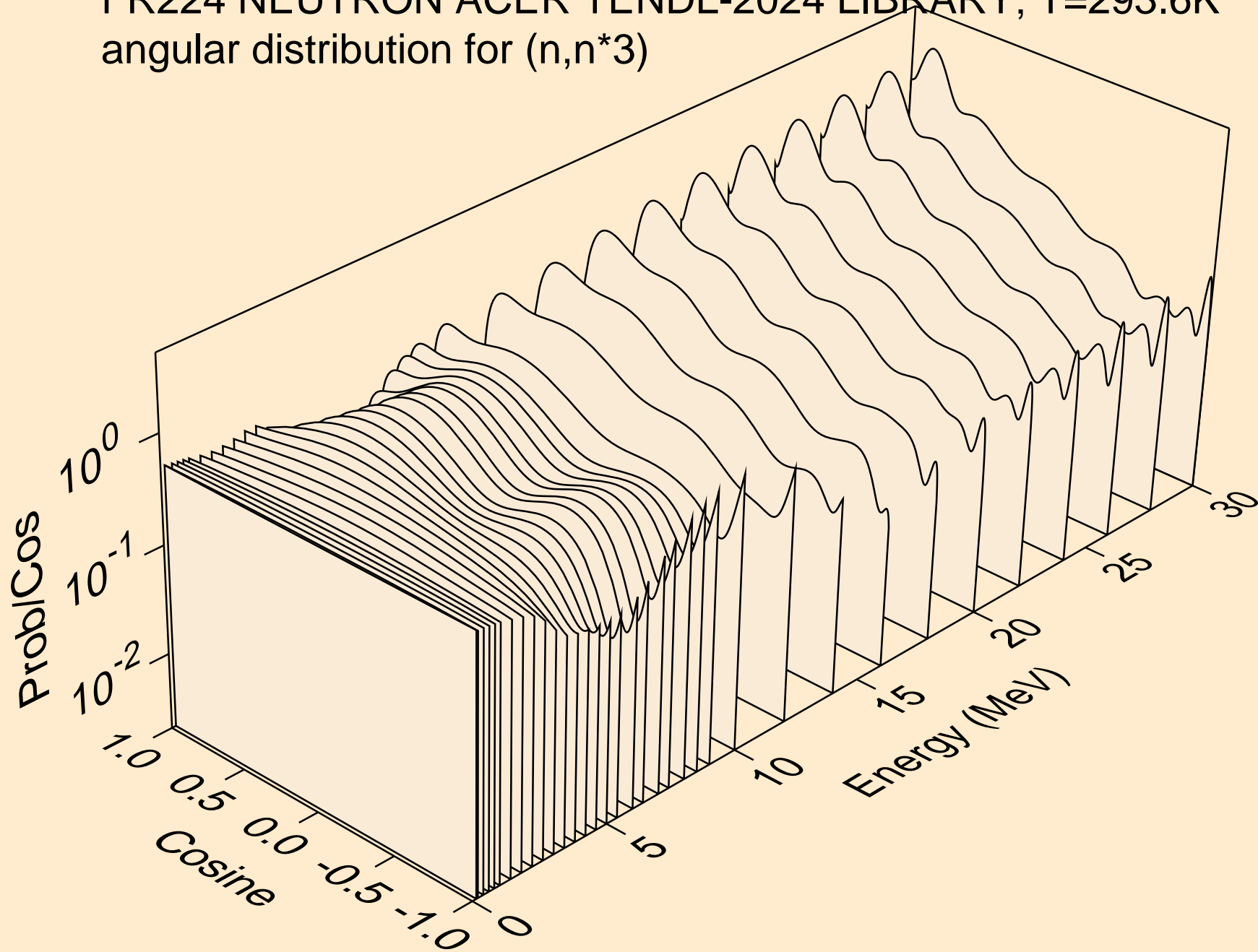
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



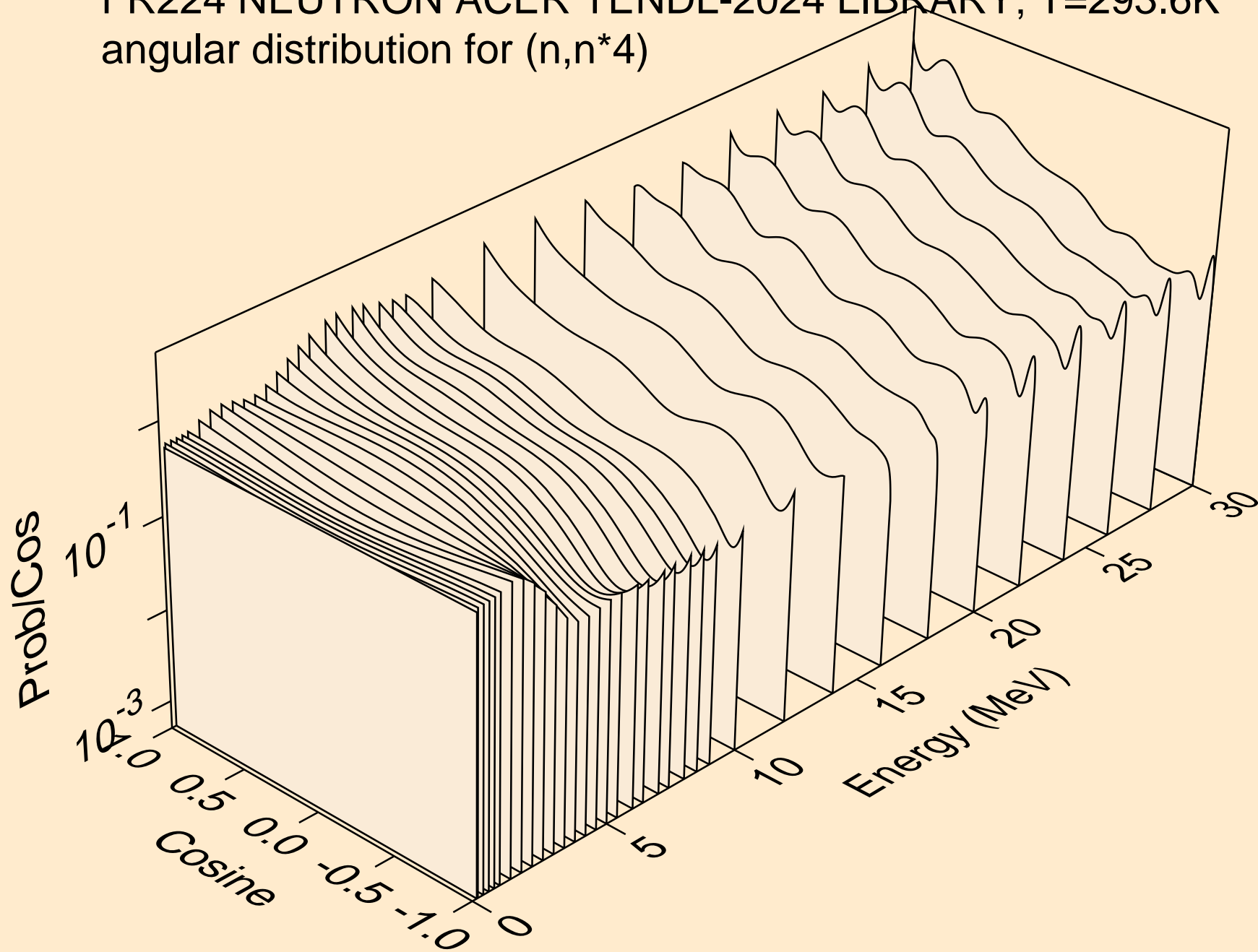
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



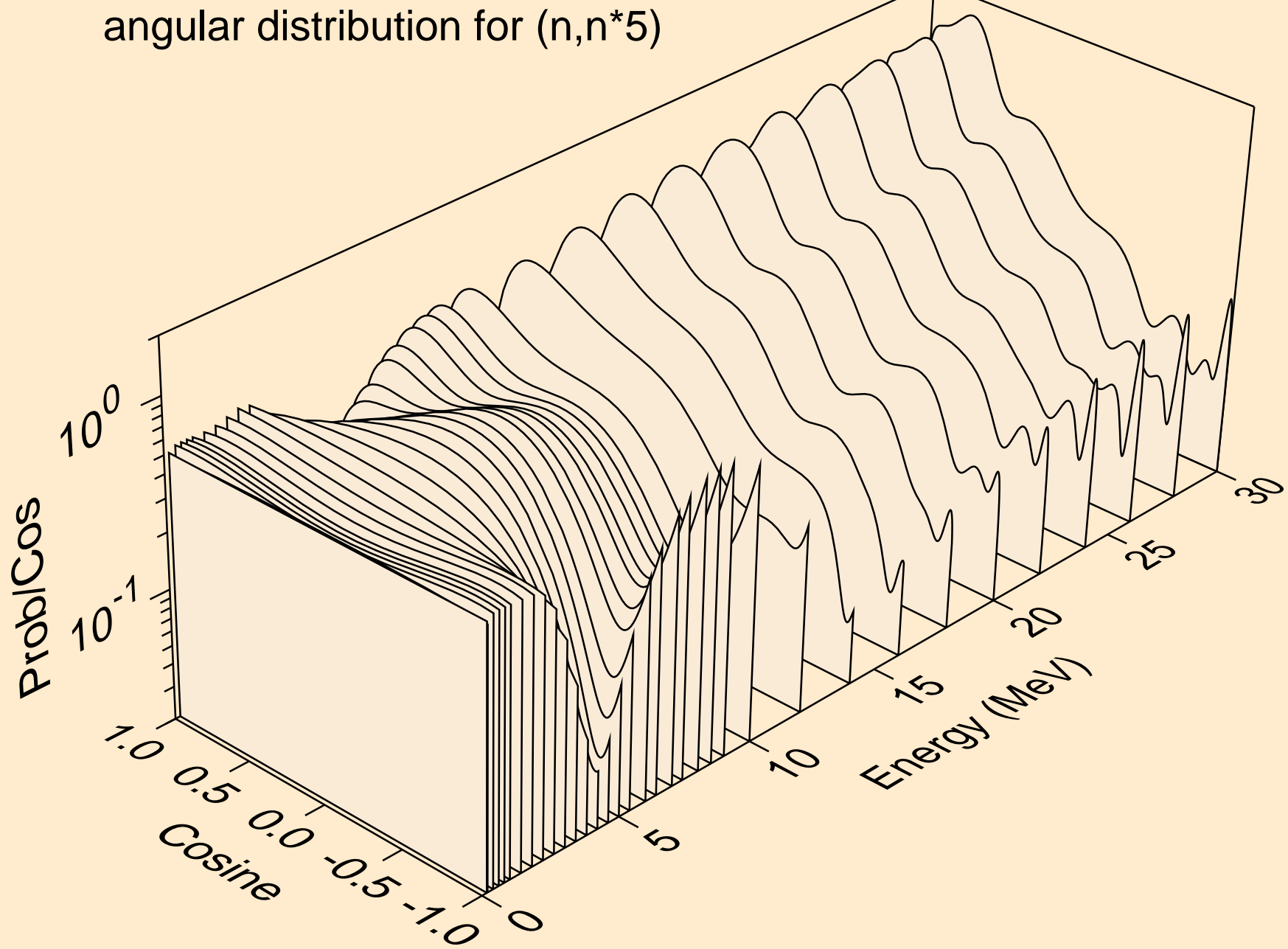
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angular distribution for (n,n\*3)



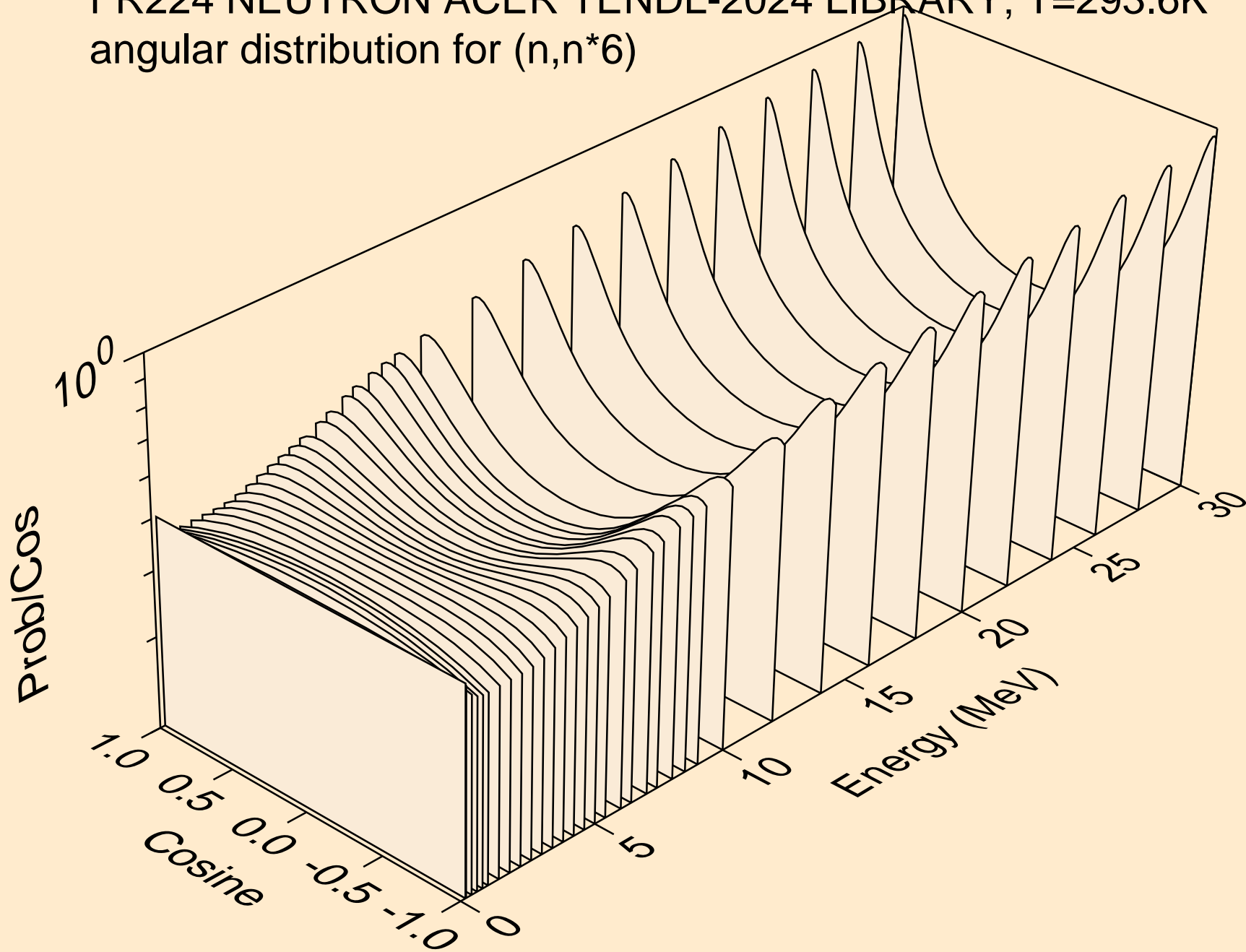
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angular distribution for (n,n\*4)



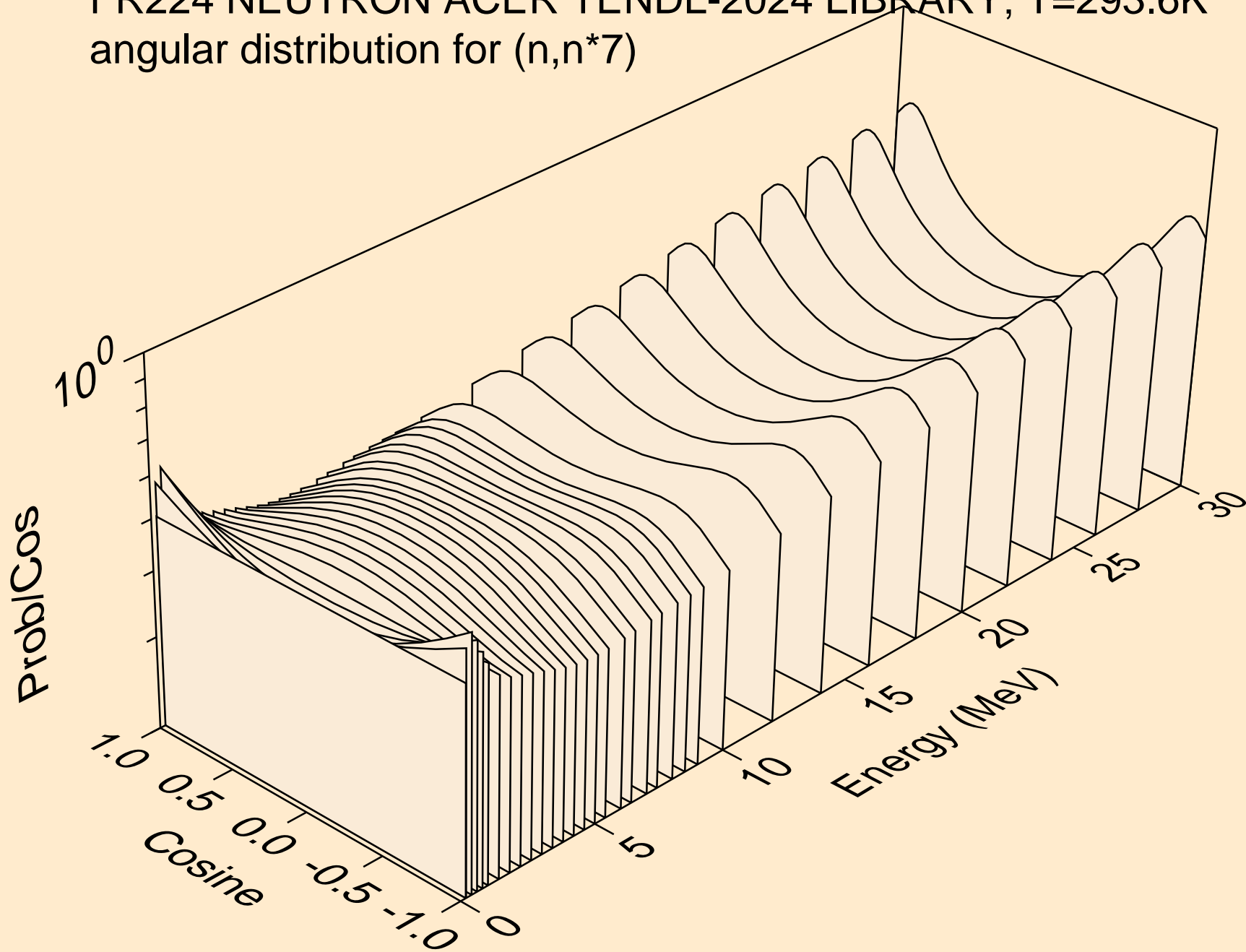
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angular distribution for (n,n\*5)



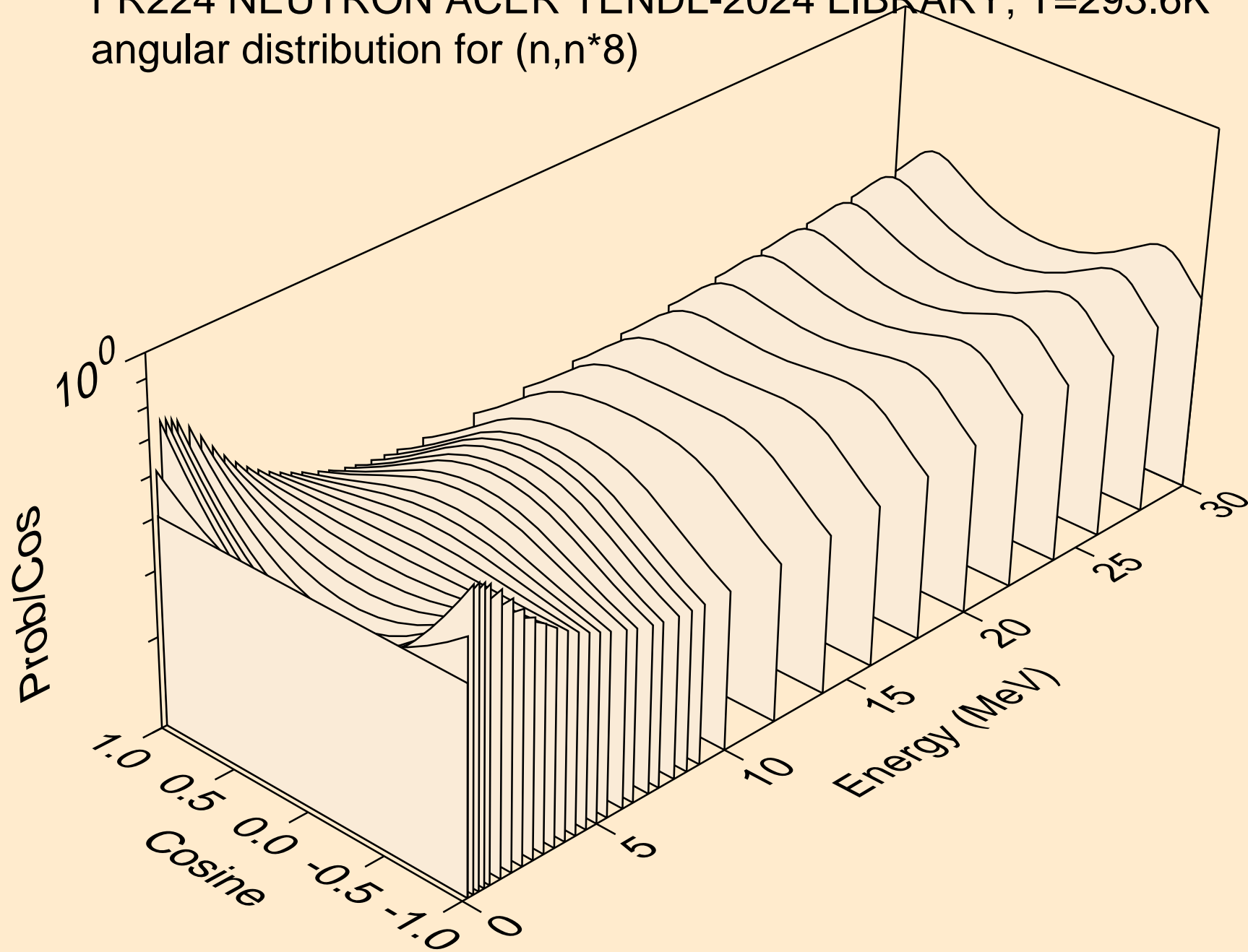
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angular distribution for (n,n\*6)



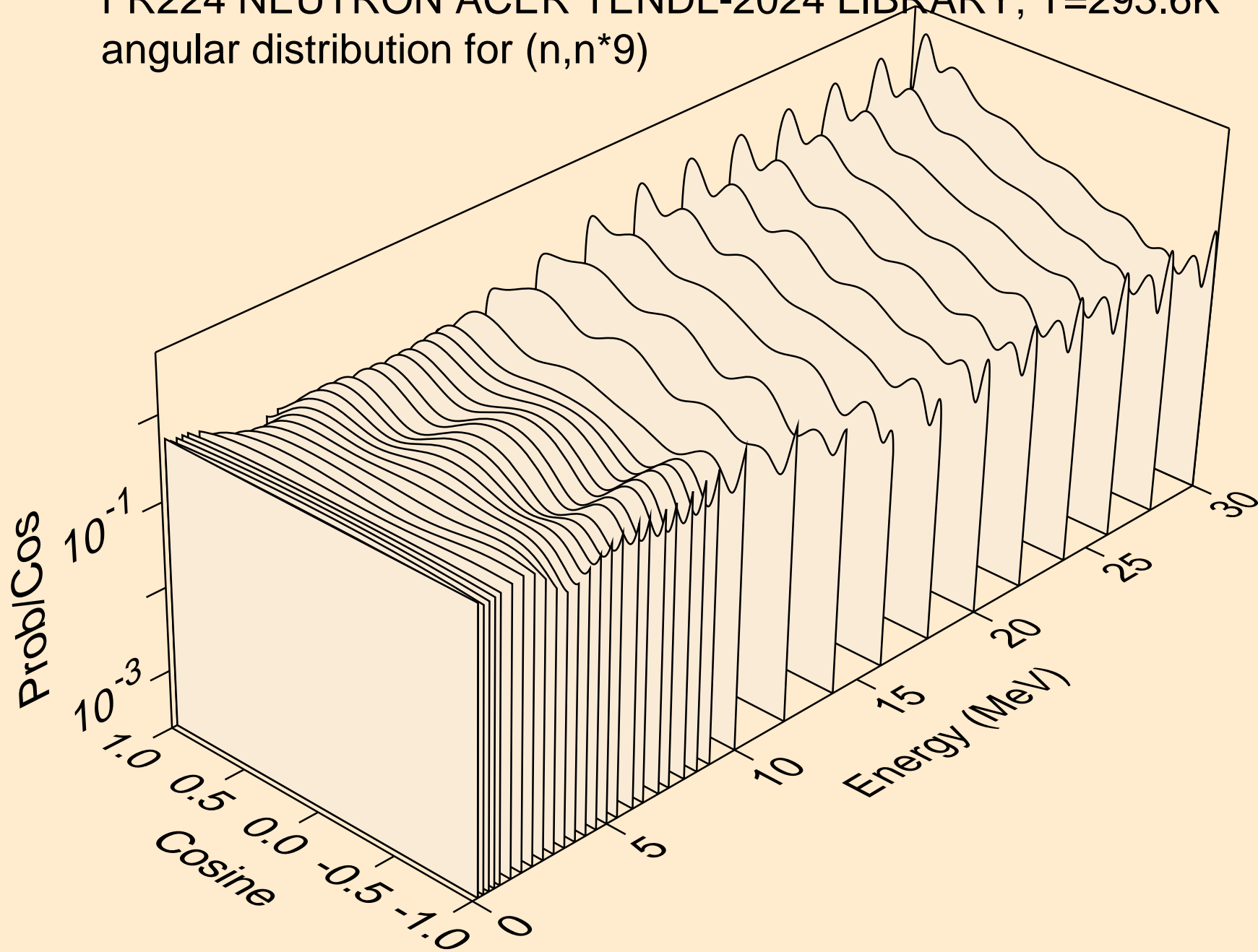
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angular distribution for (n,n\*7)



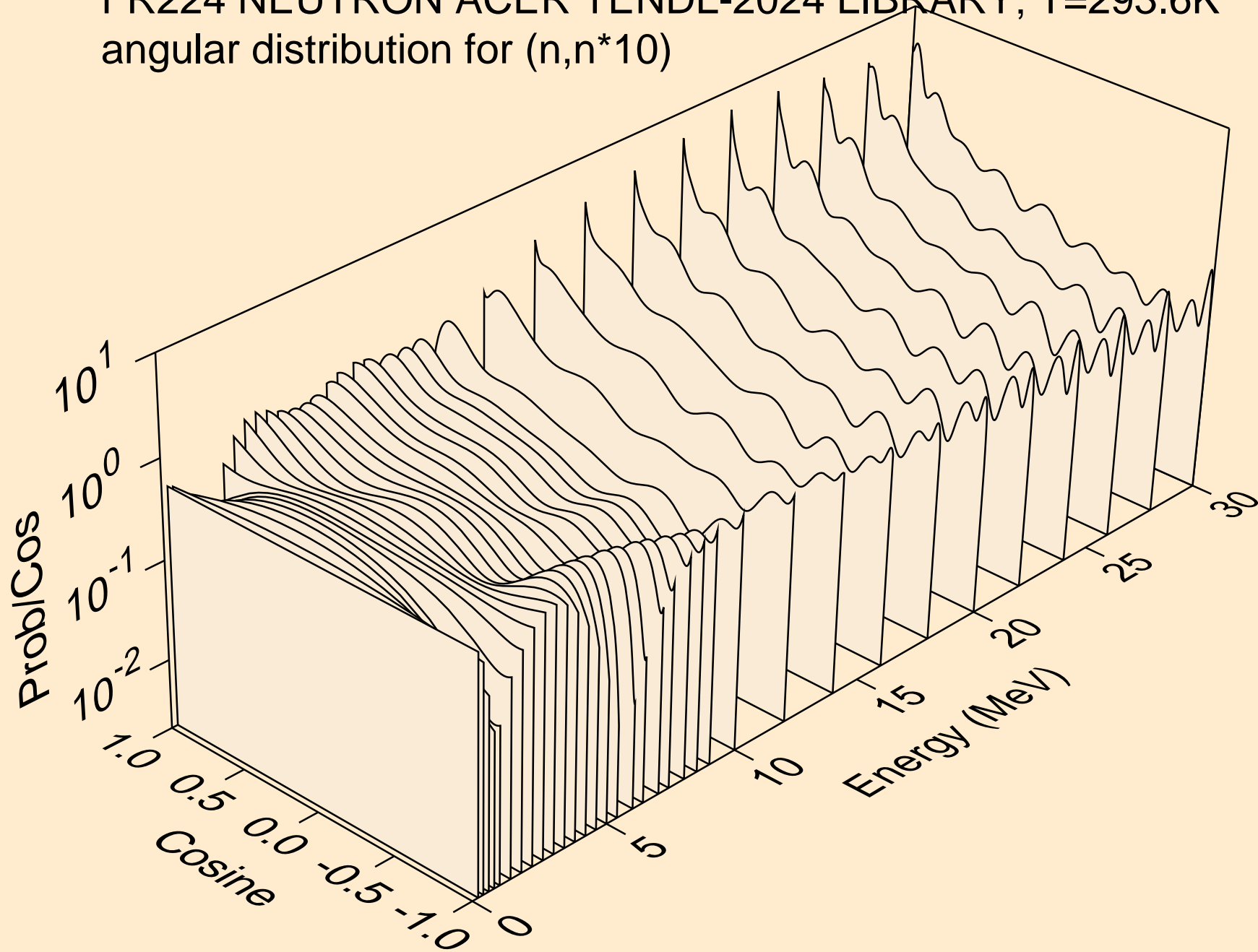
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angular distribution for (n,n\*8)



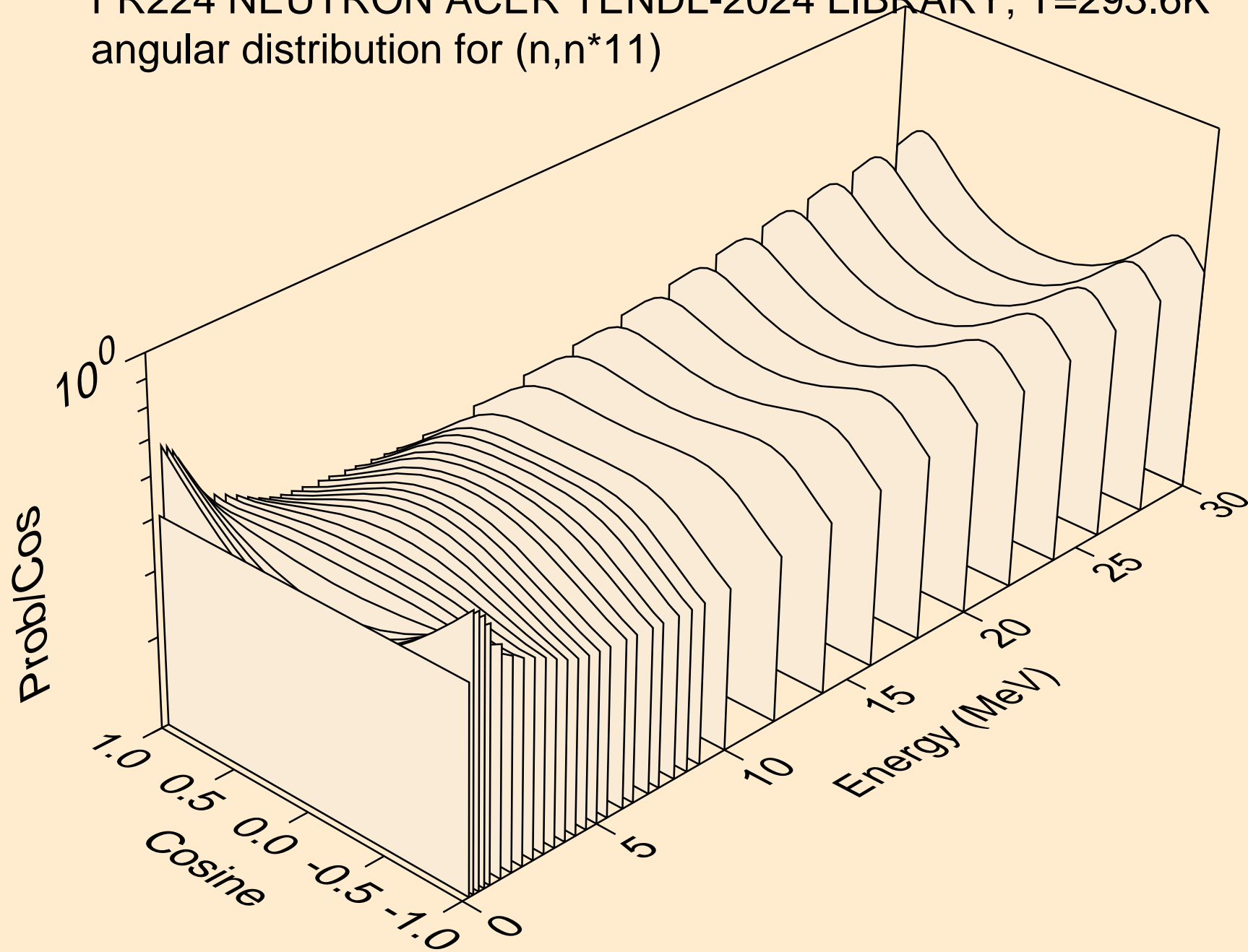
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angular distribution for (n,n\*9)



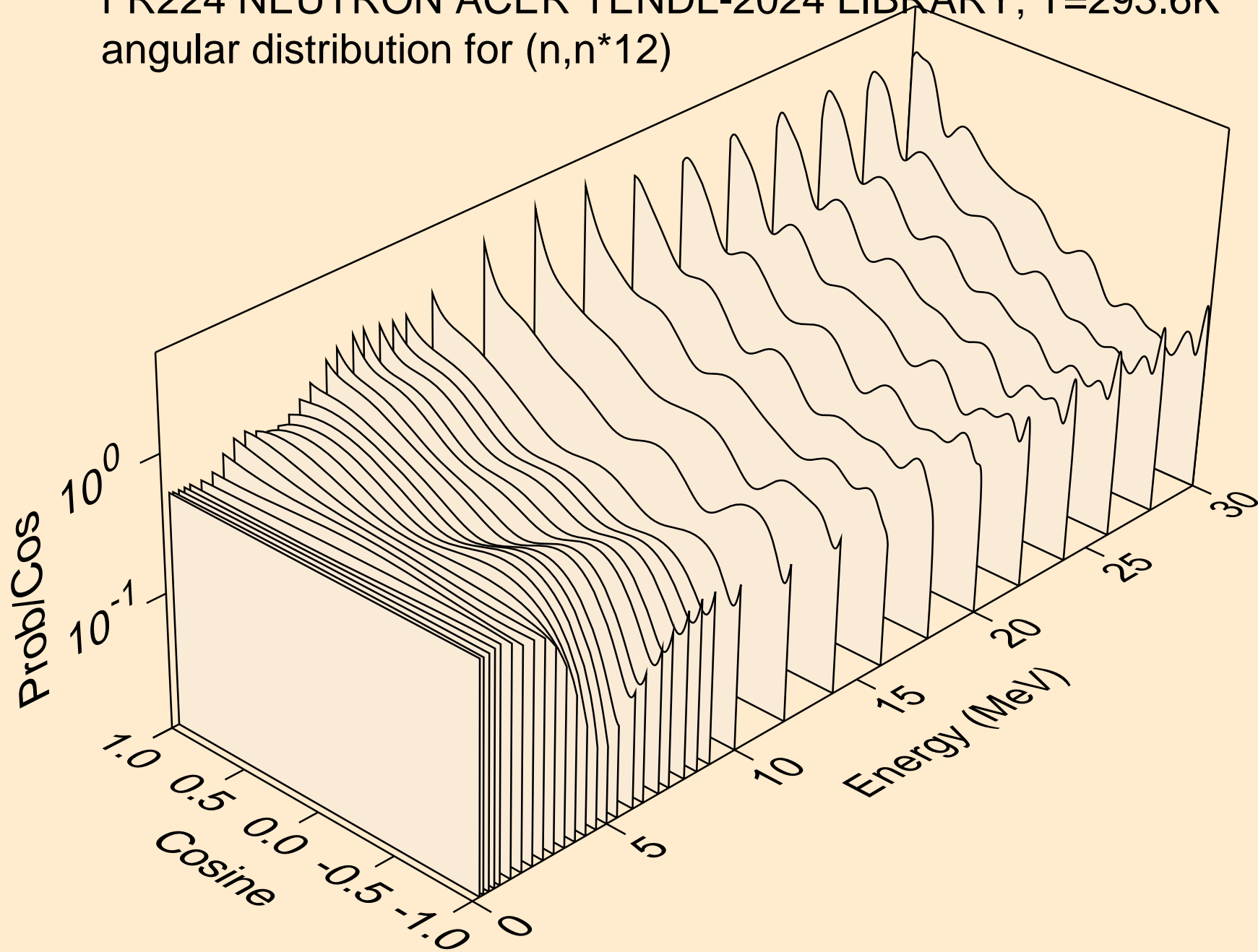
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angular distribution for (n,n\*10)



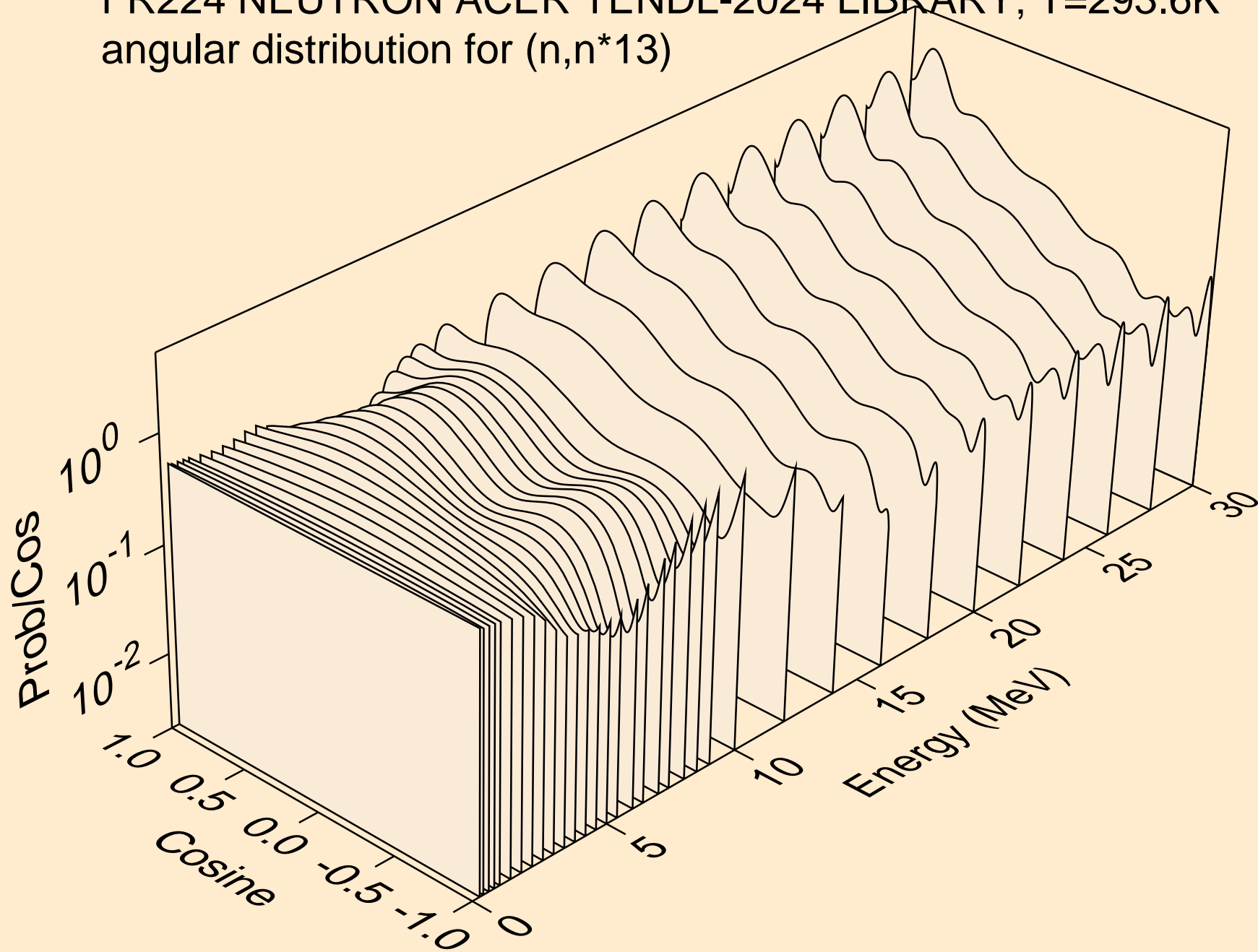
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angular distribution for (n,n\*11)



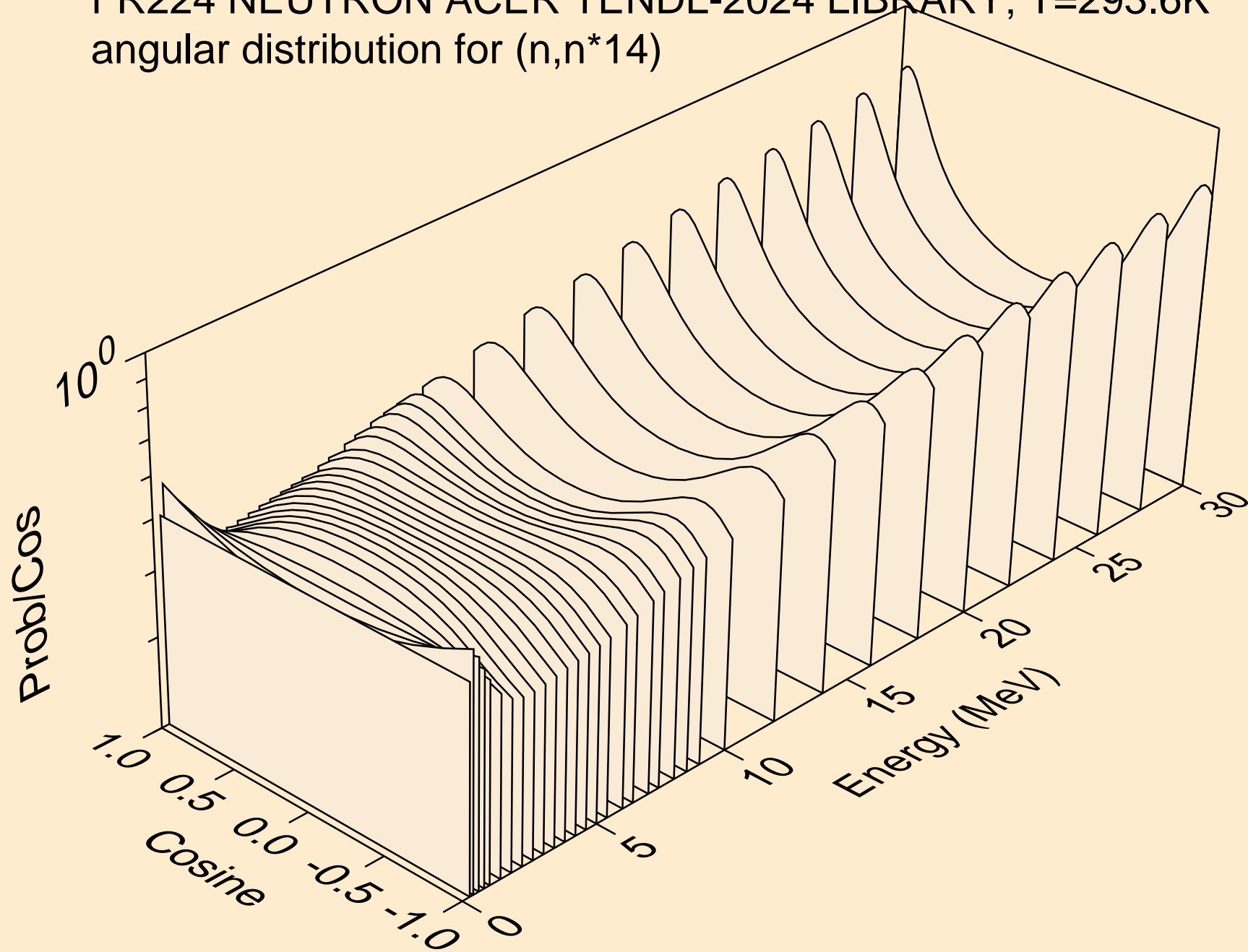
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angular distribution for (n,n\*12)



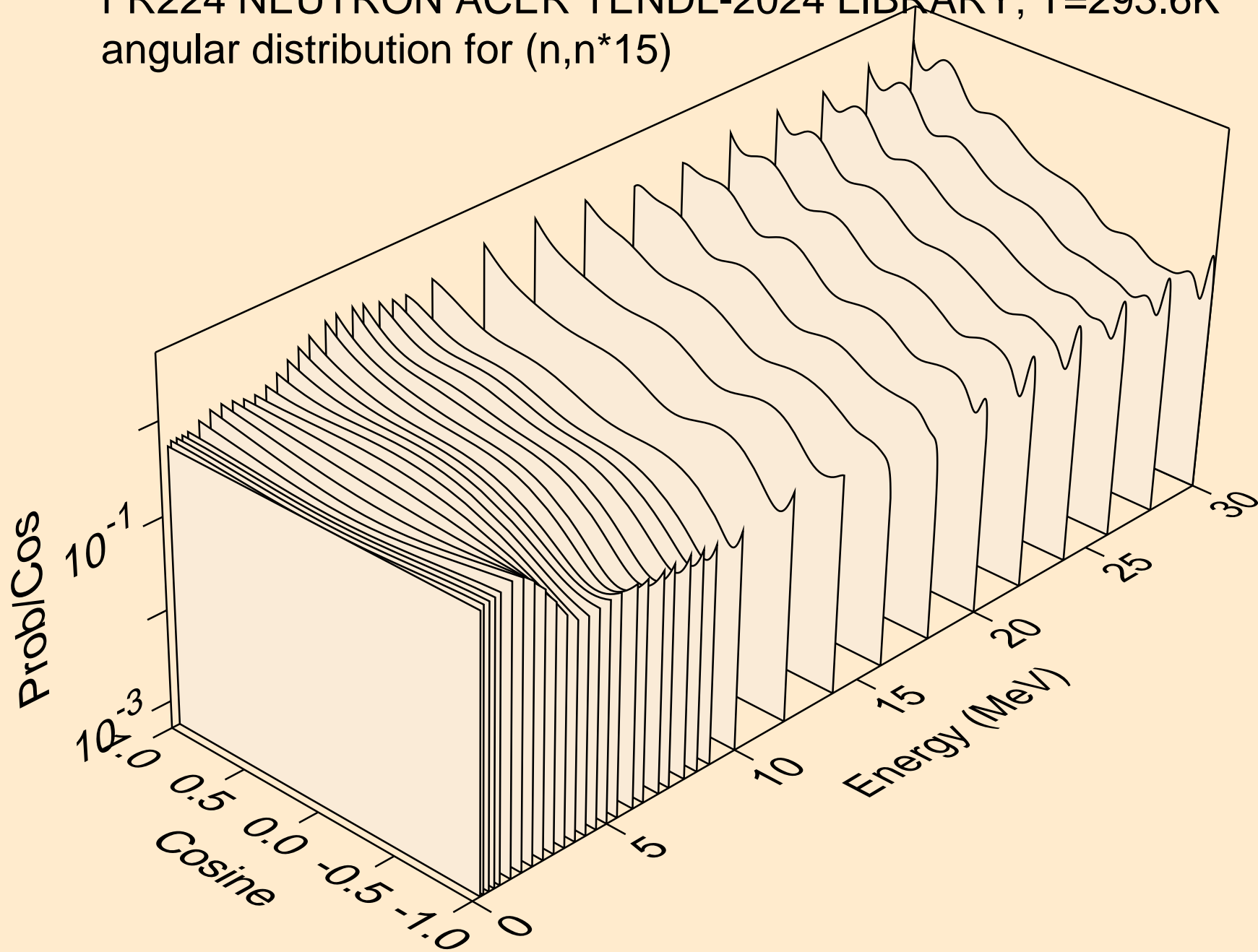
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angular distribution for (n,n\*13)



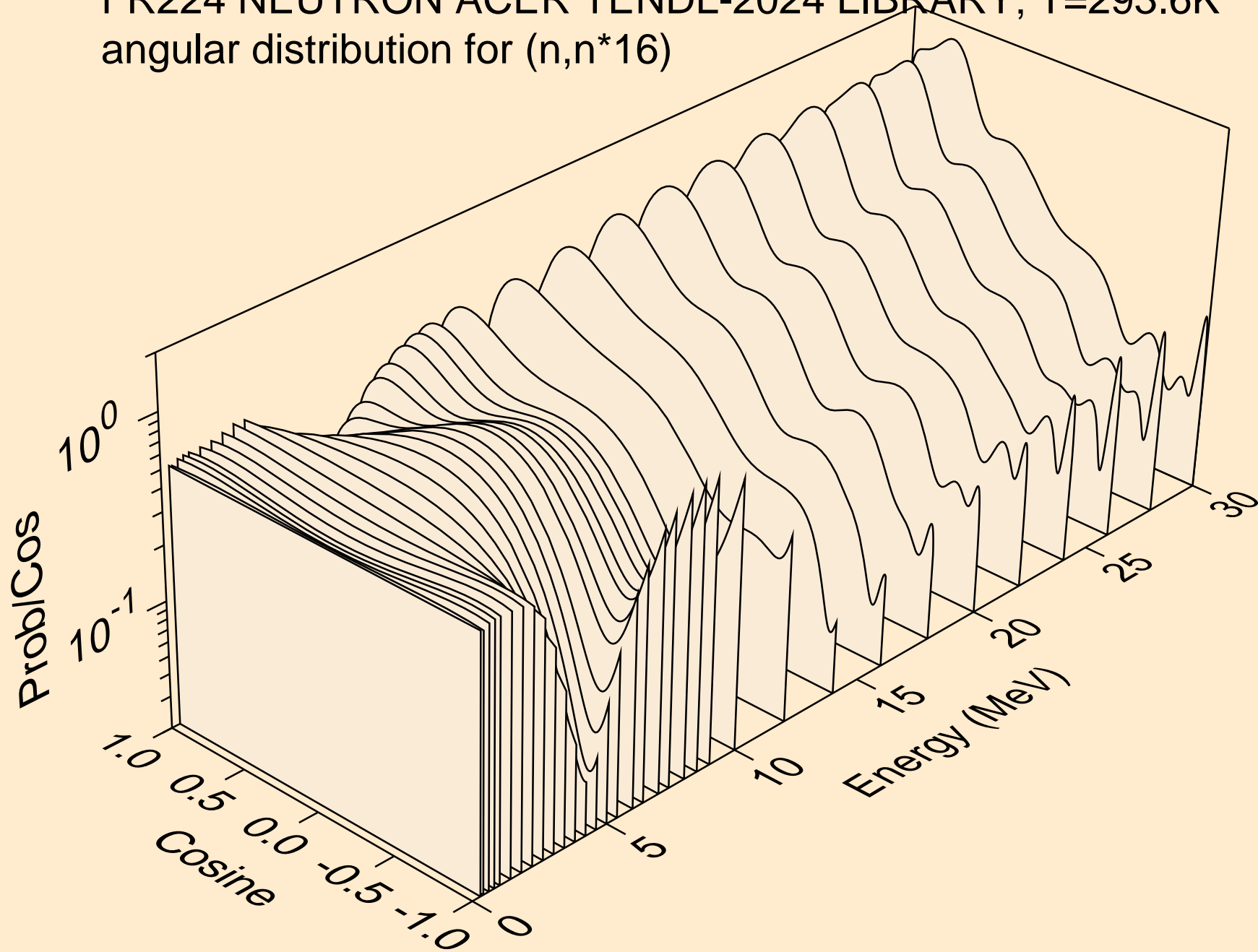
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angular distribution for (n,n\*14)



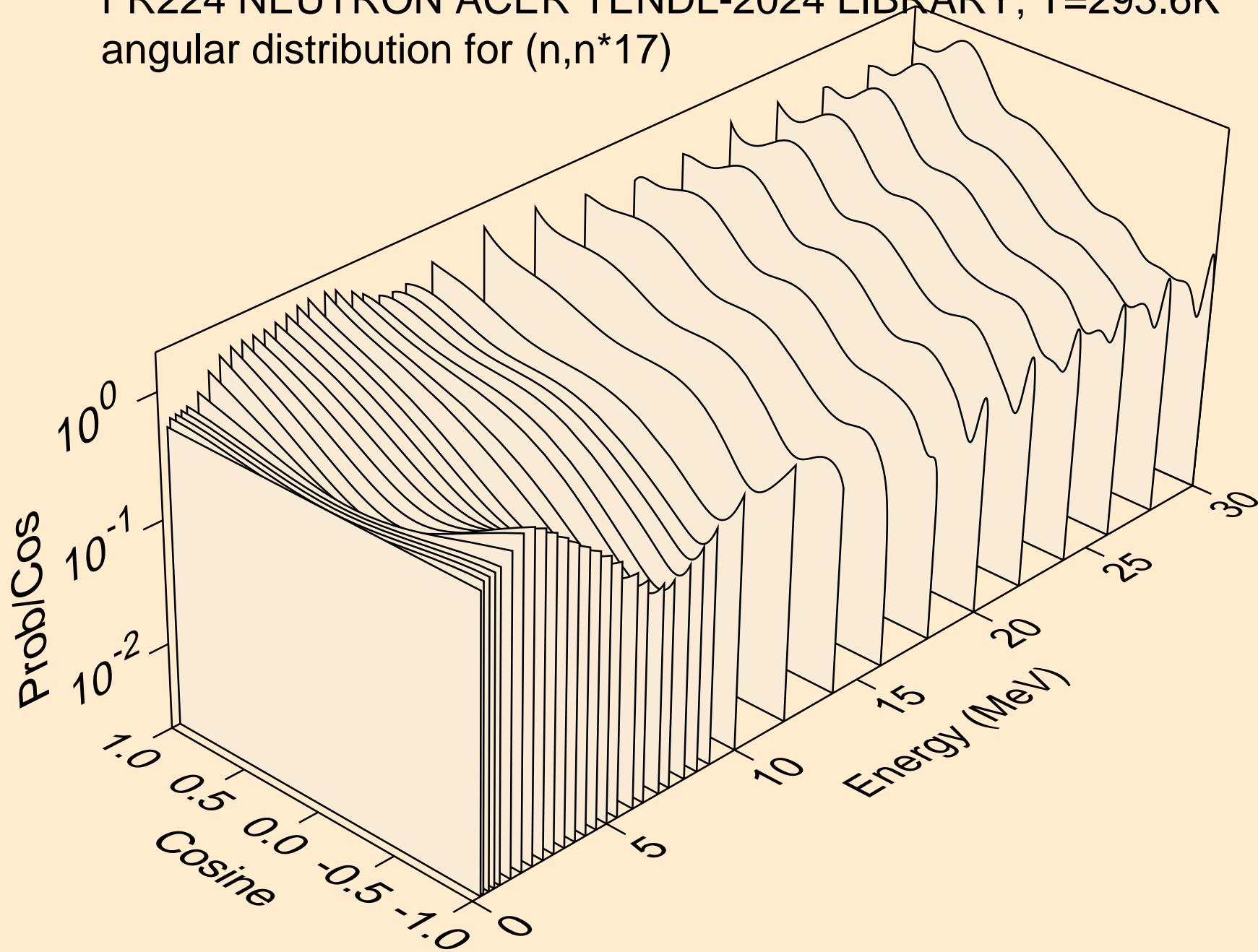
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angular distribution for (n,n\*15)



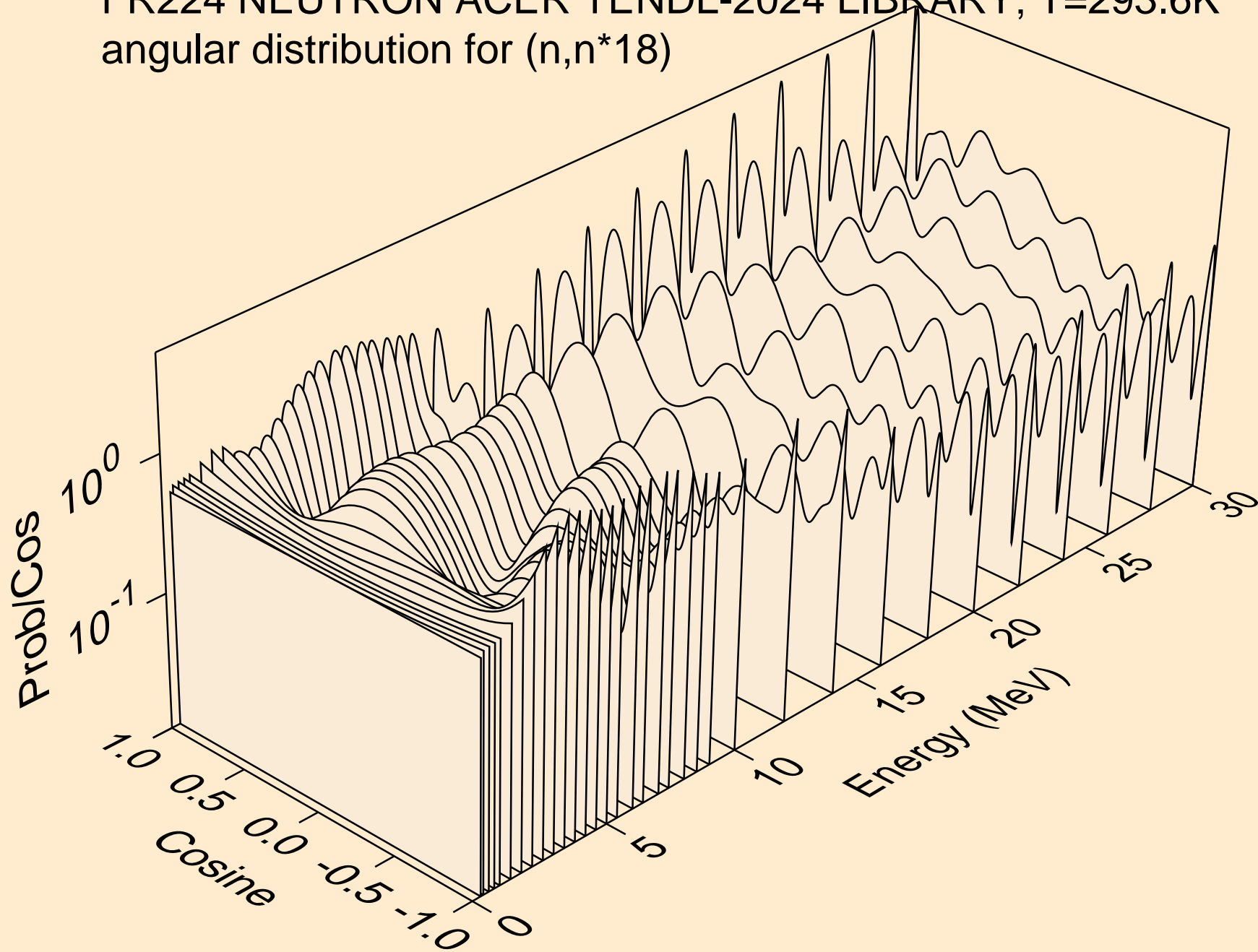
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angular distribution for (n,n\*16)



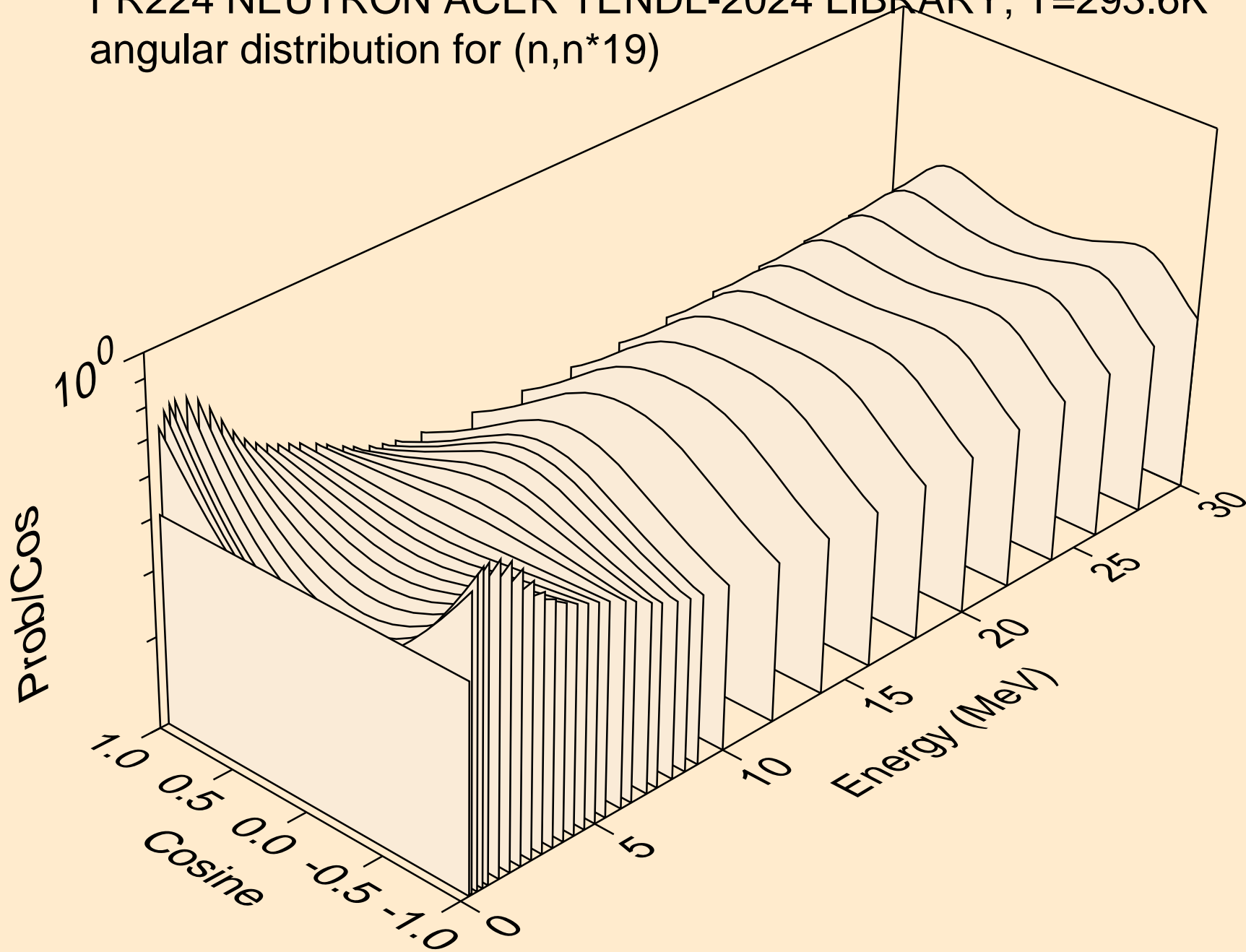
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angular distribution for (n,n\*17)



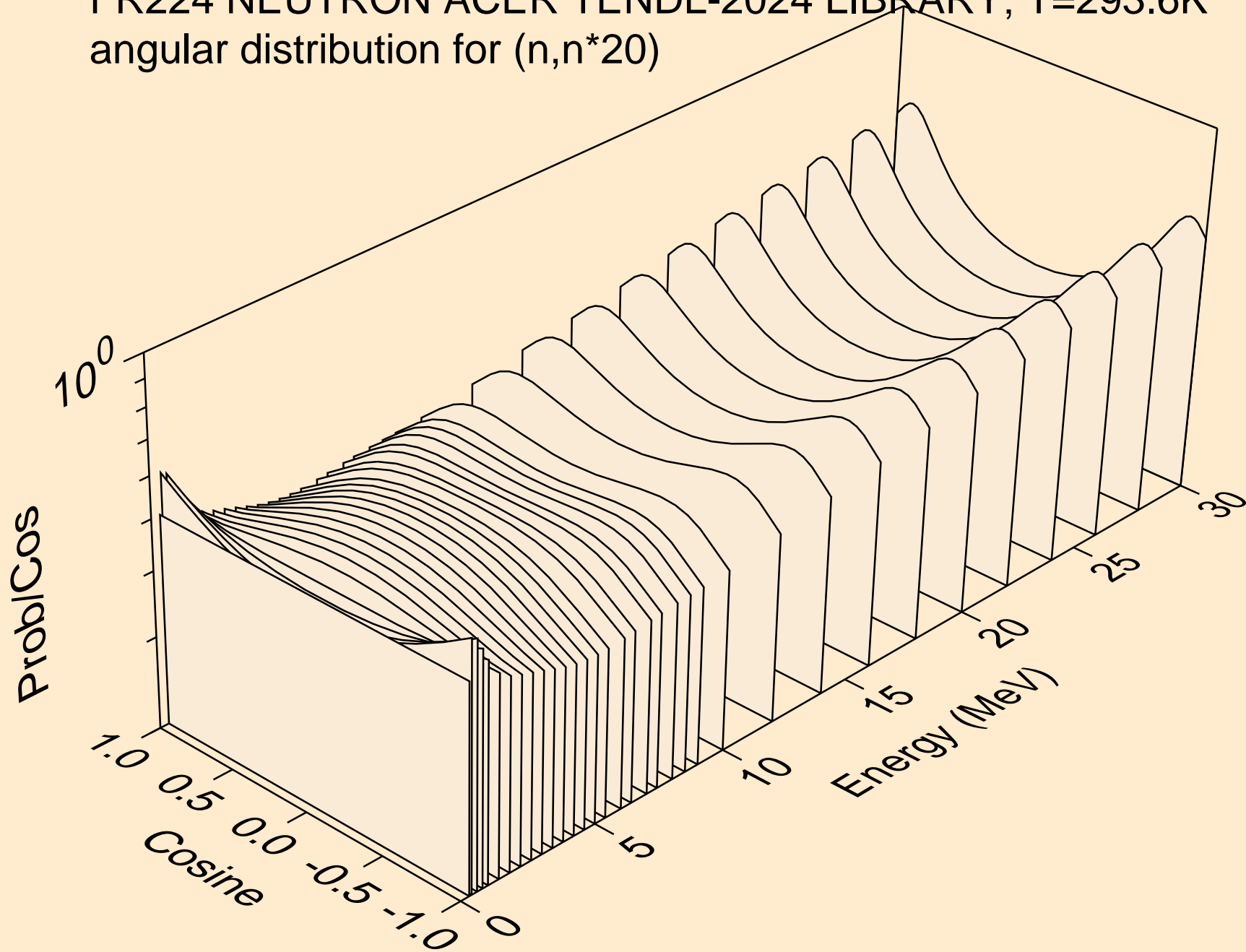
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angular distribution for (n,n\*18)



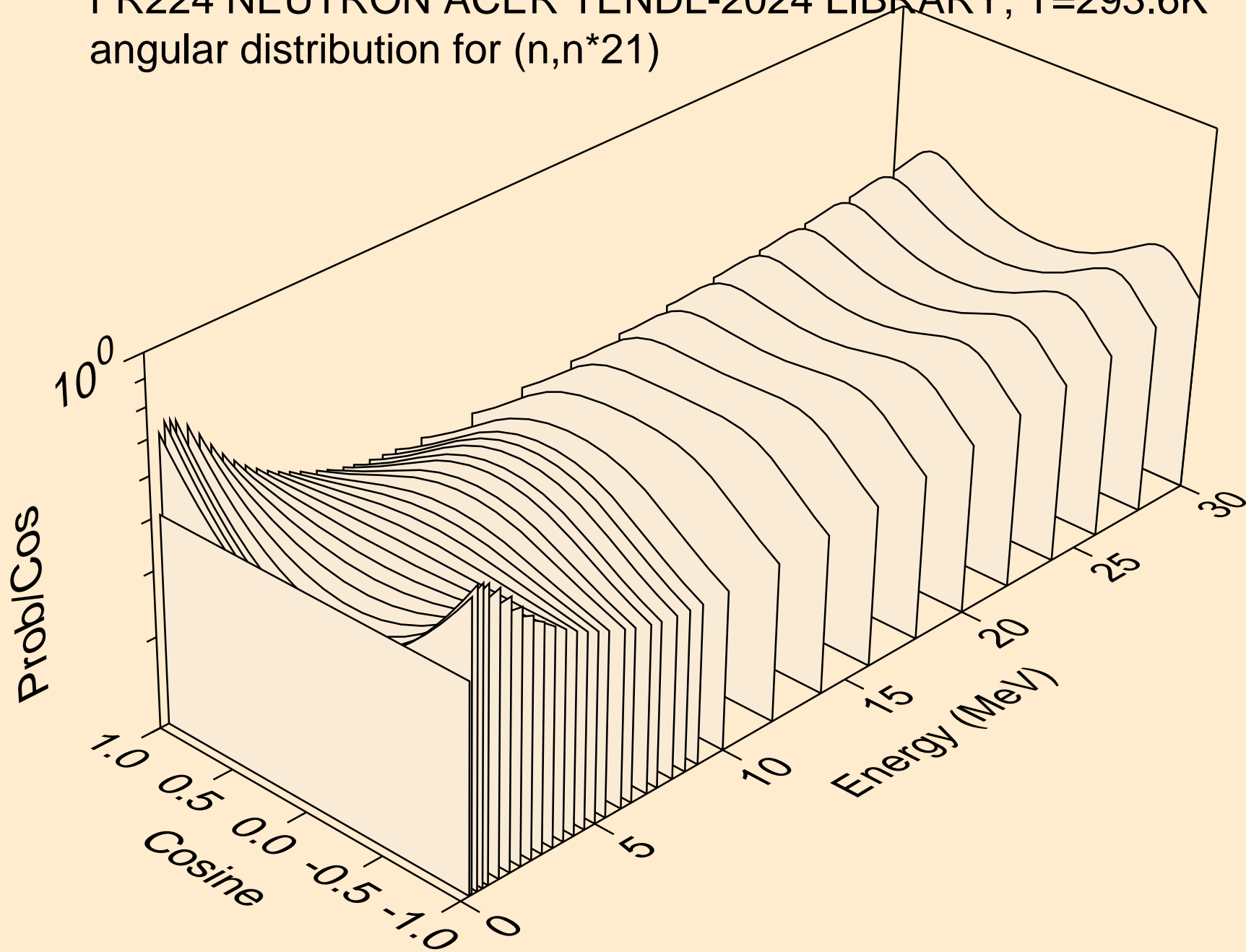
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angular distribution for (n,n\*19)



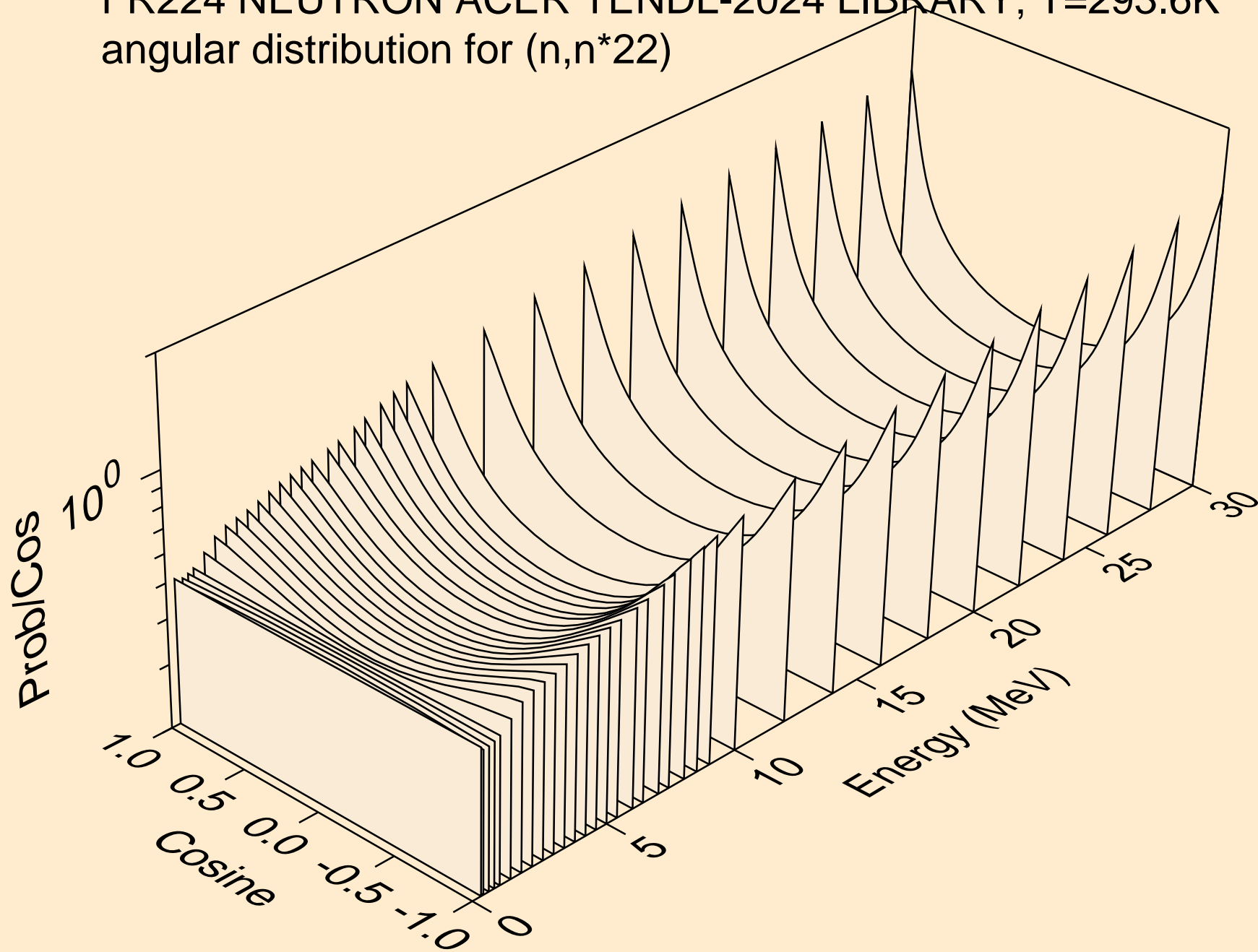
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angular distribution for (n,n\*20)



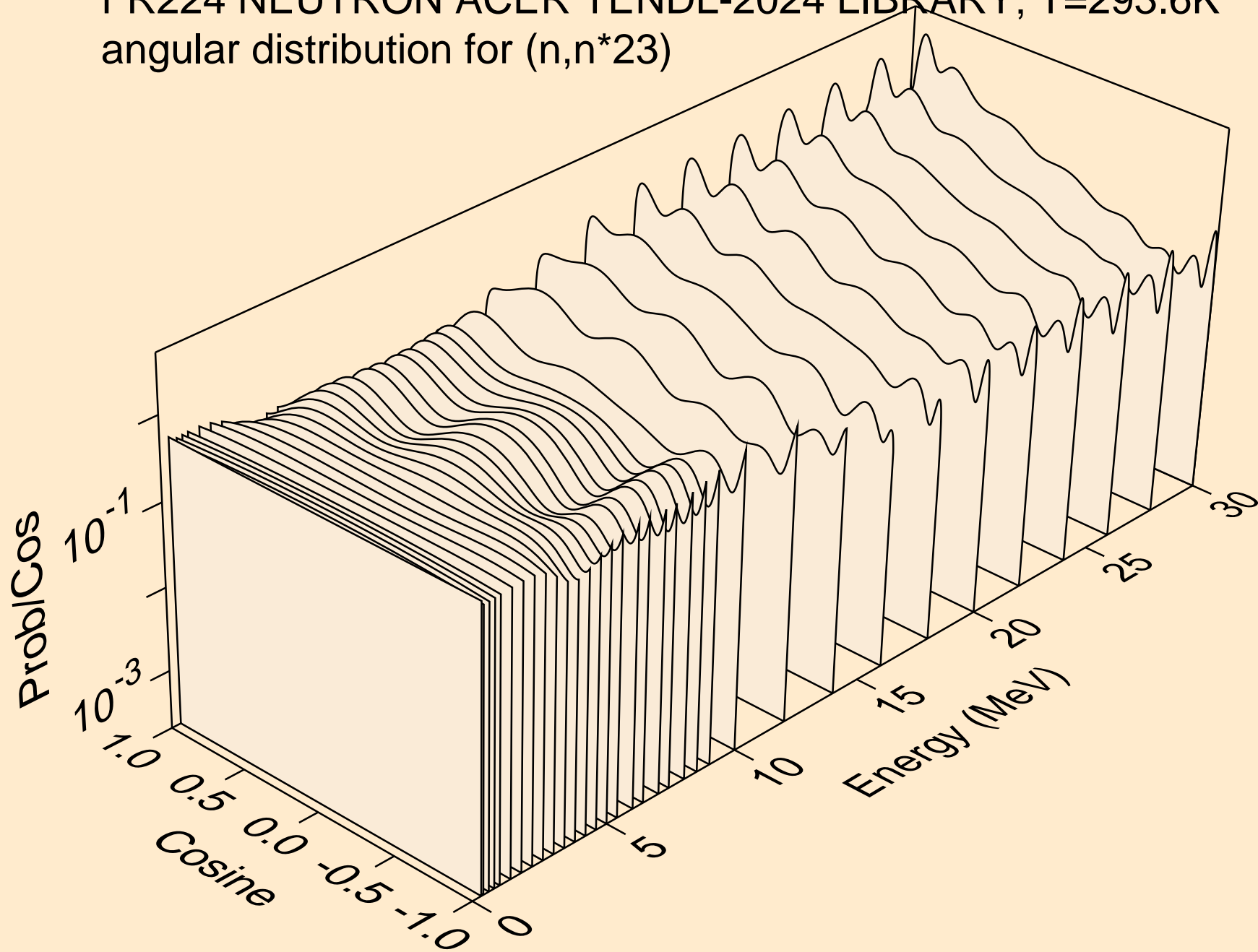
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angular distribution for (n,n\*21)



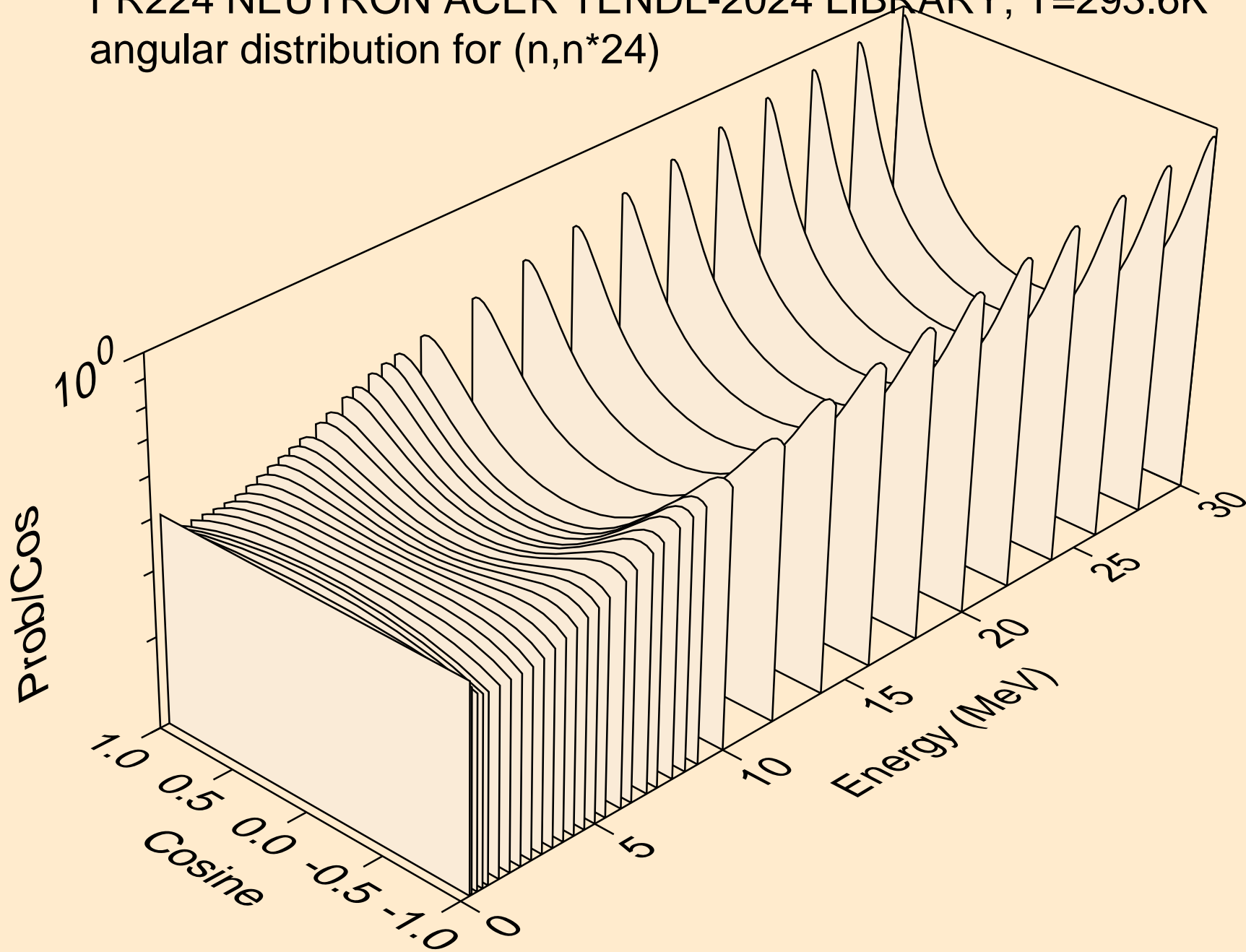
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angular distribution for (n,n\*22)



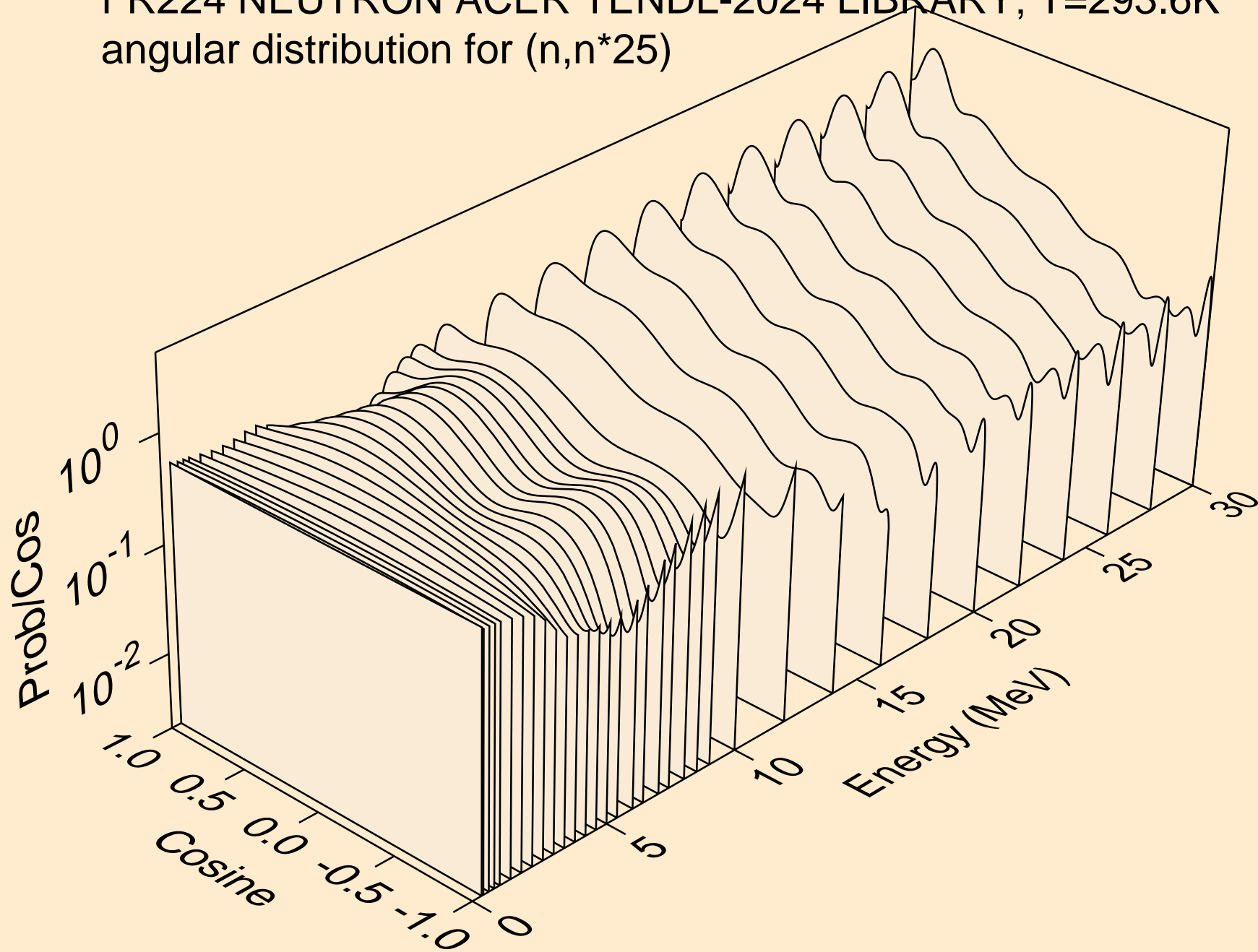
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angular distribution for (n,n\*23)



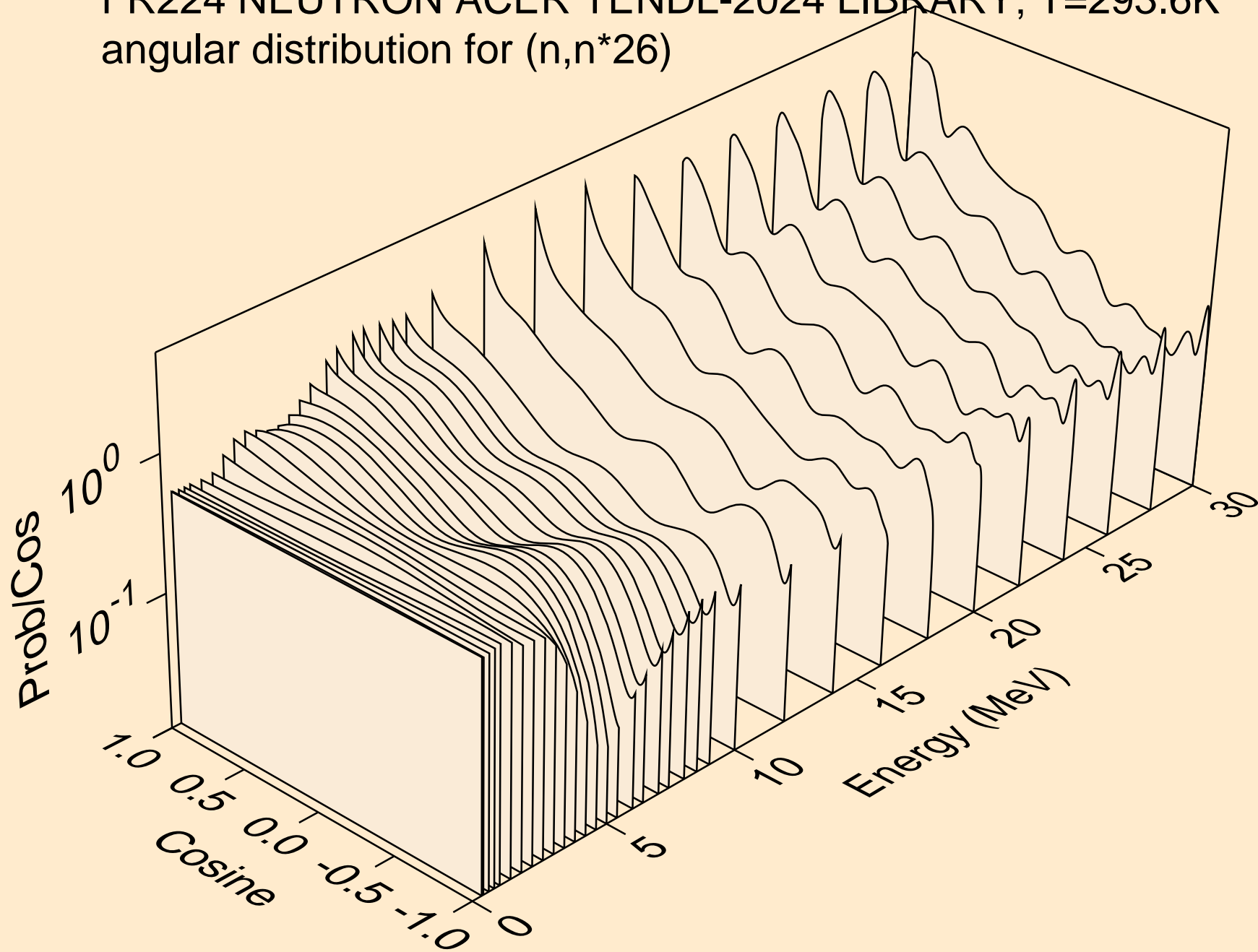
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angular distribution for (n,n\*24)



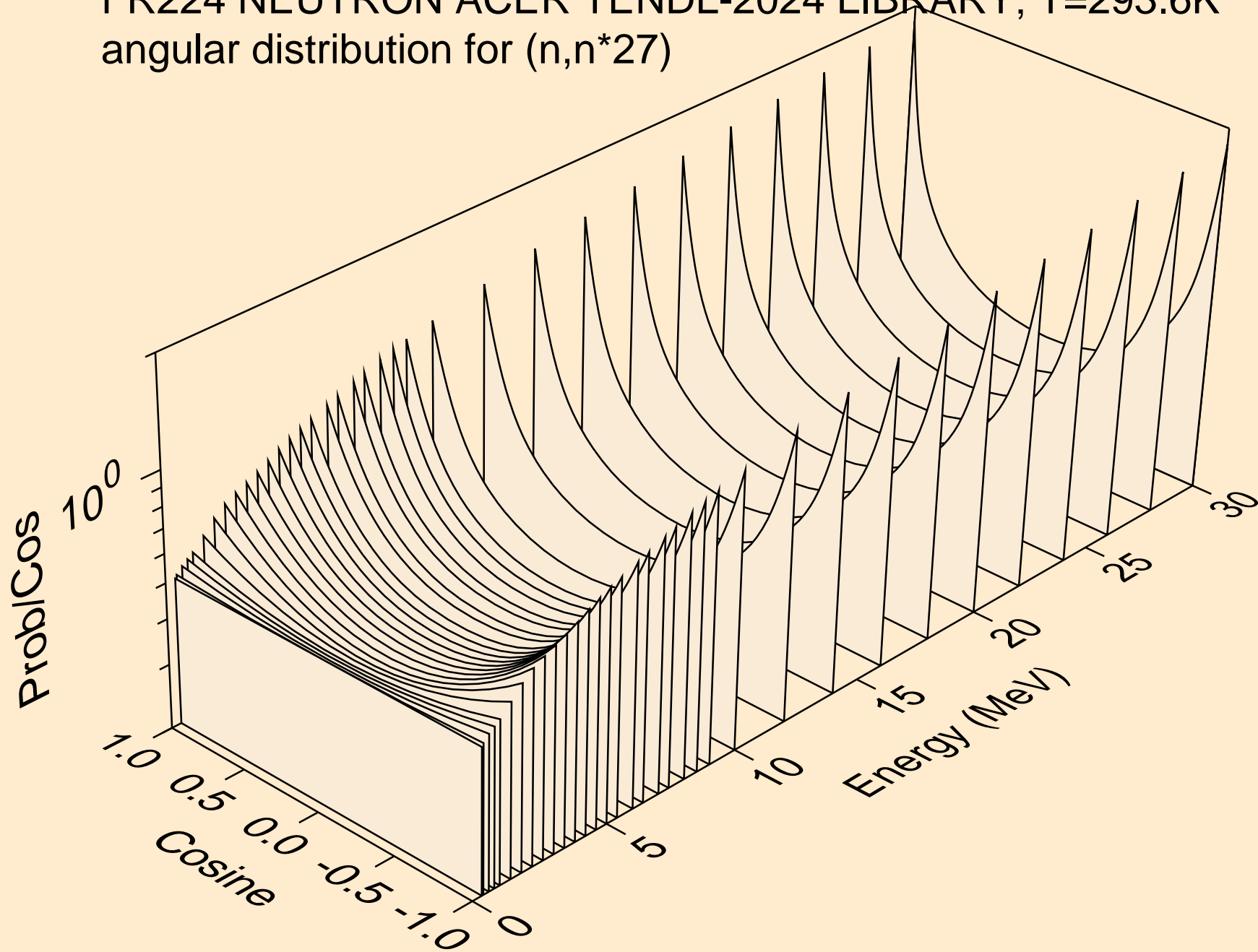
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angular distribution for (n,n\*25)



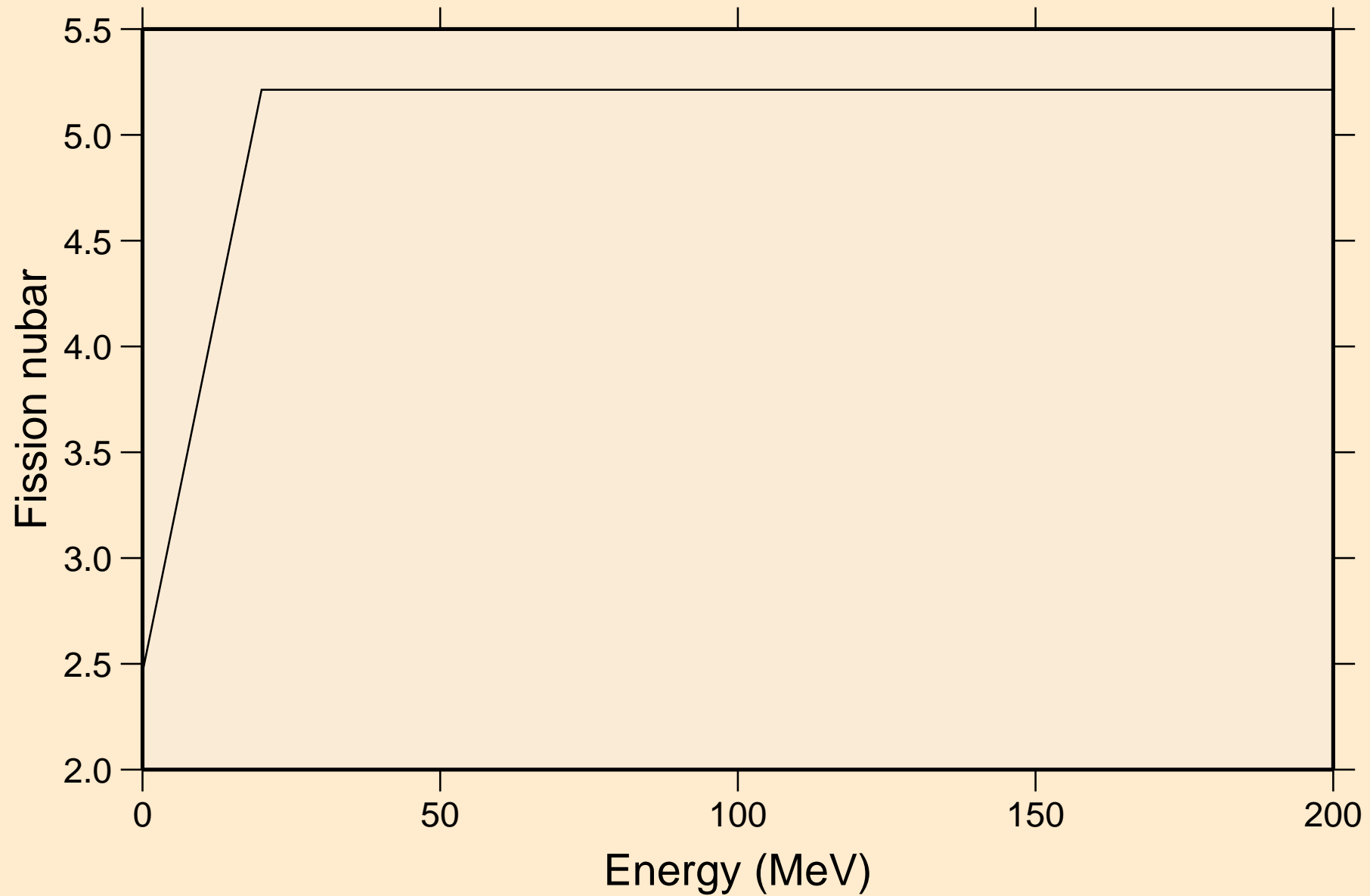
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angular distribution for (n,n\*26)



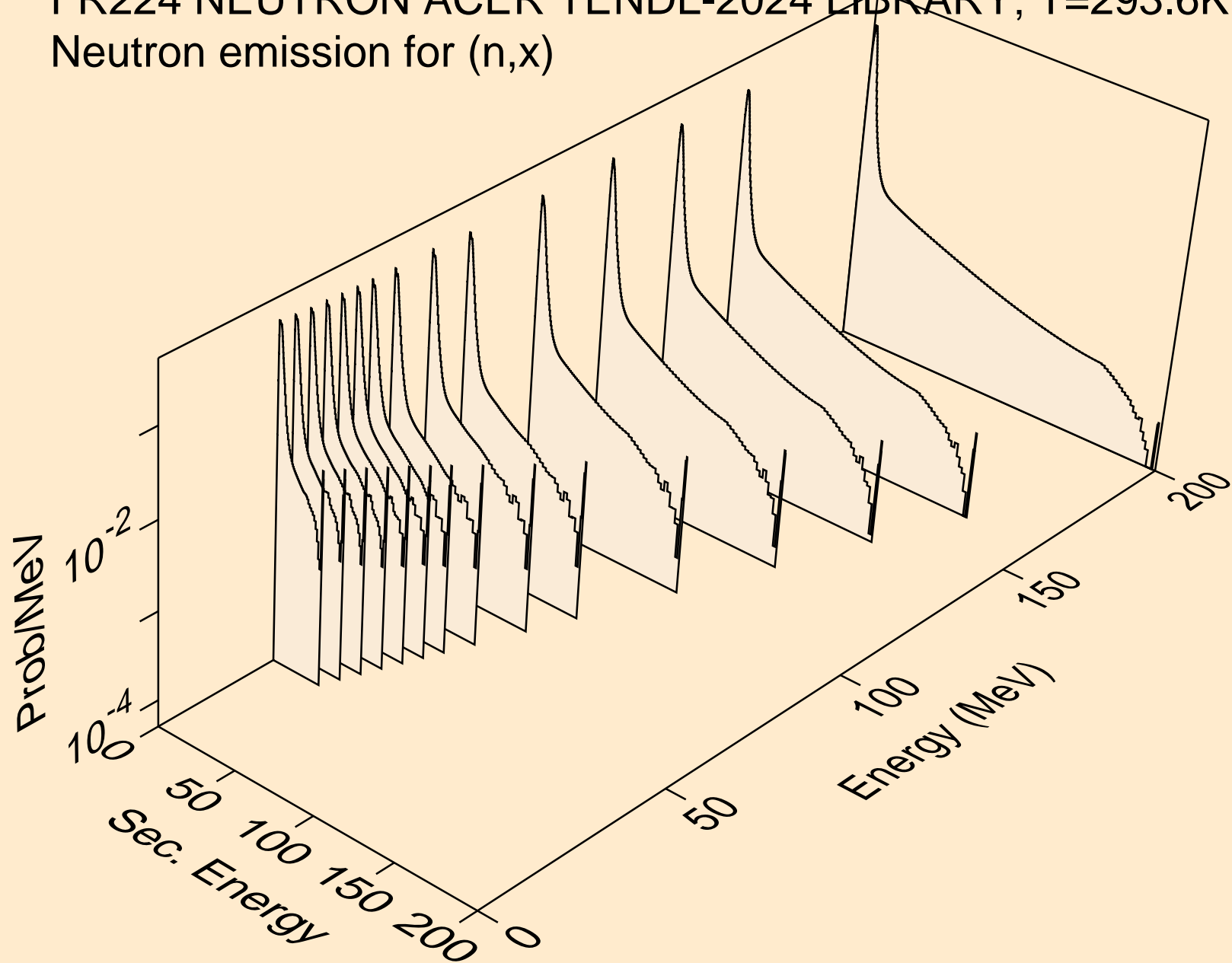
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angular distribution for (n,n\*27)



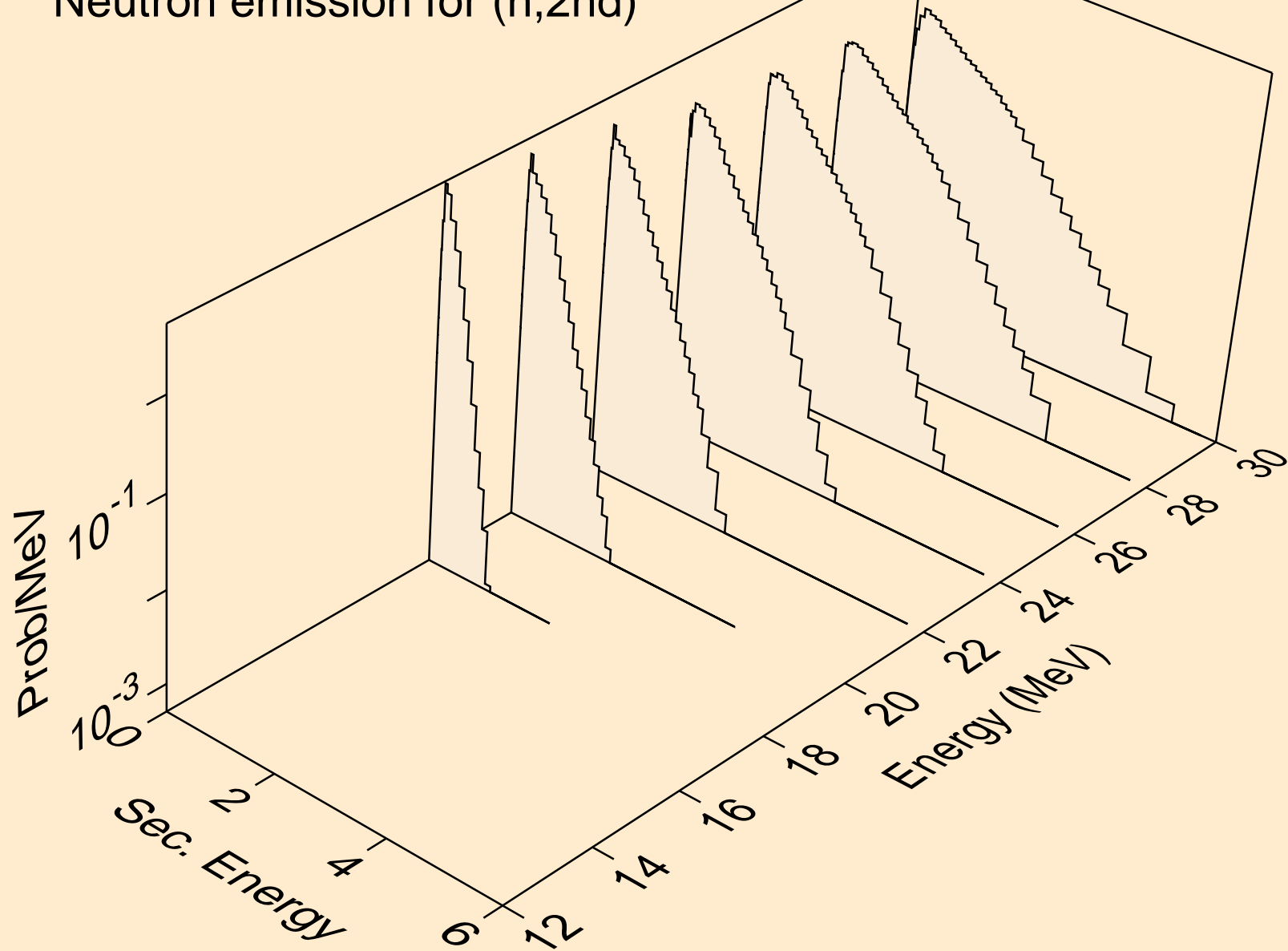
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Total fission nubar



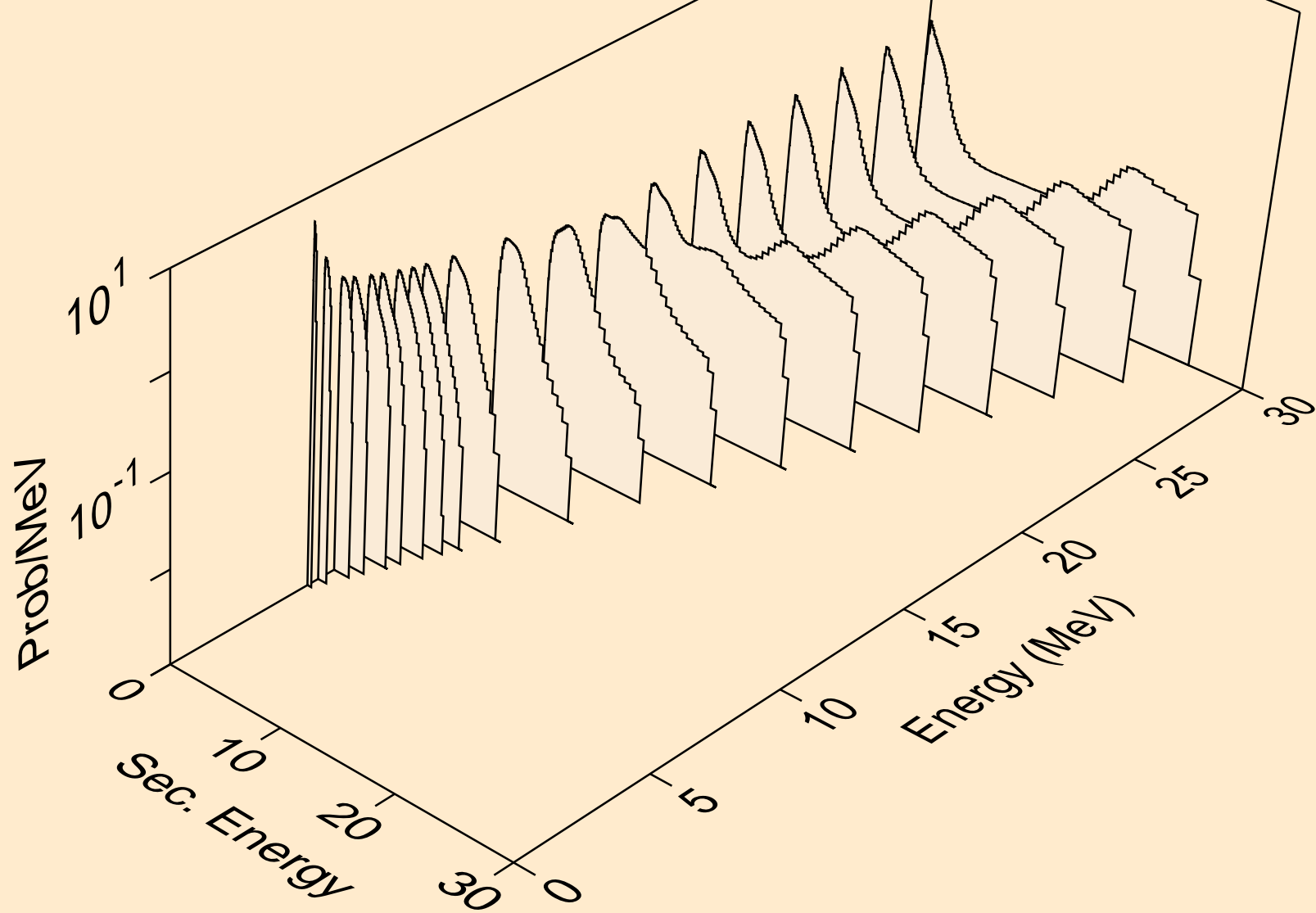
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



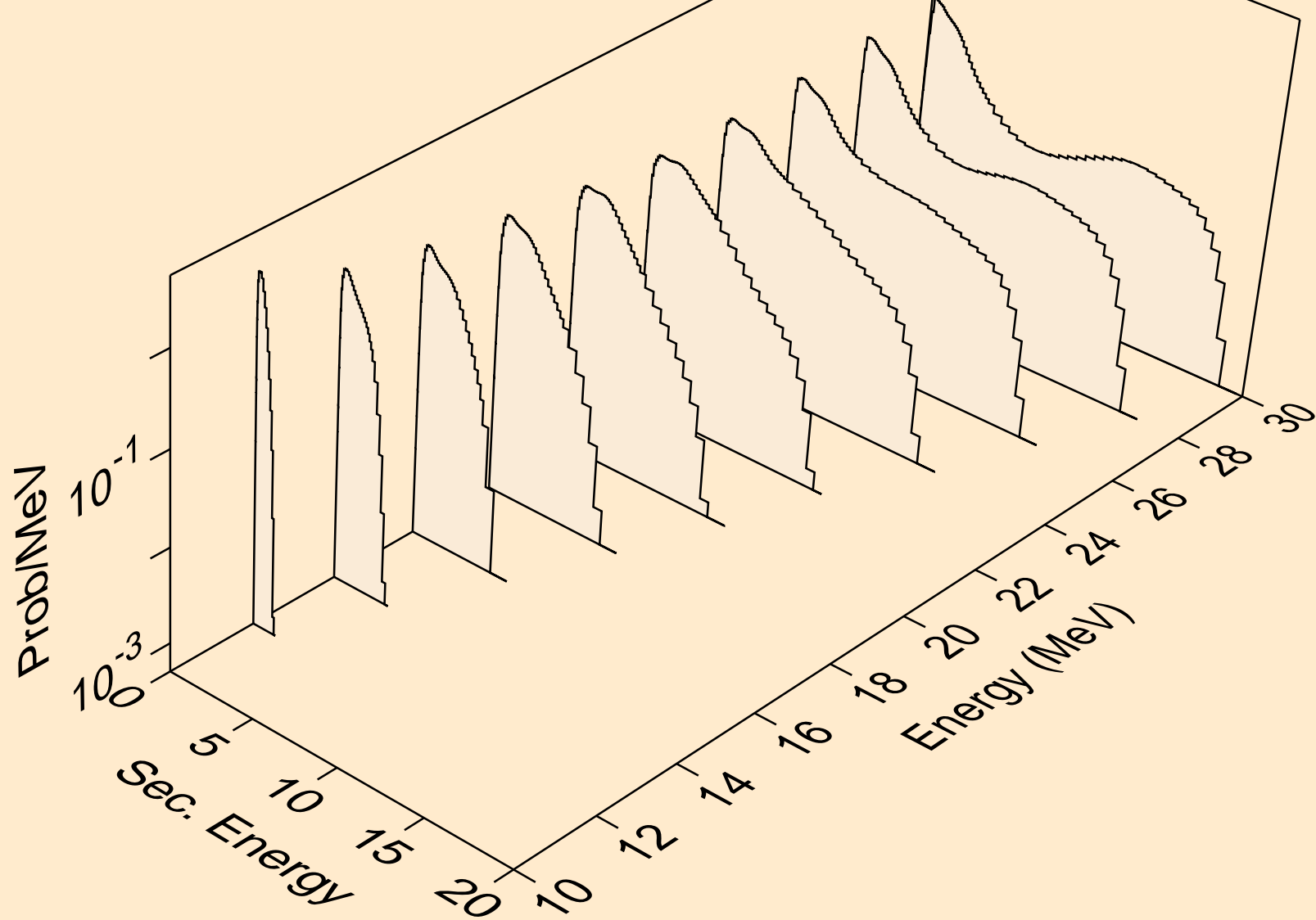
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



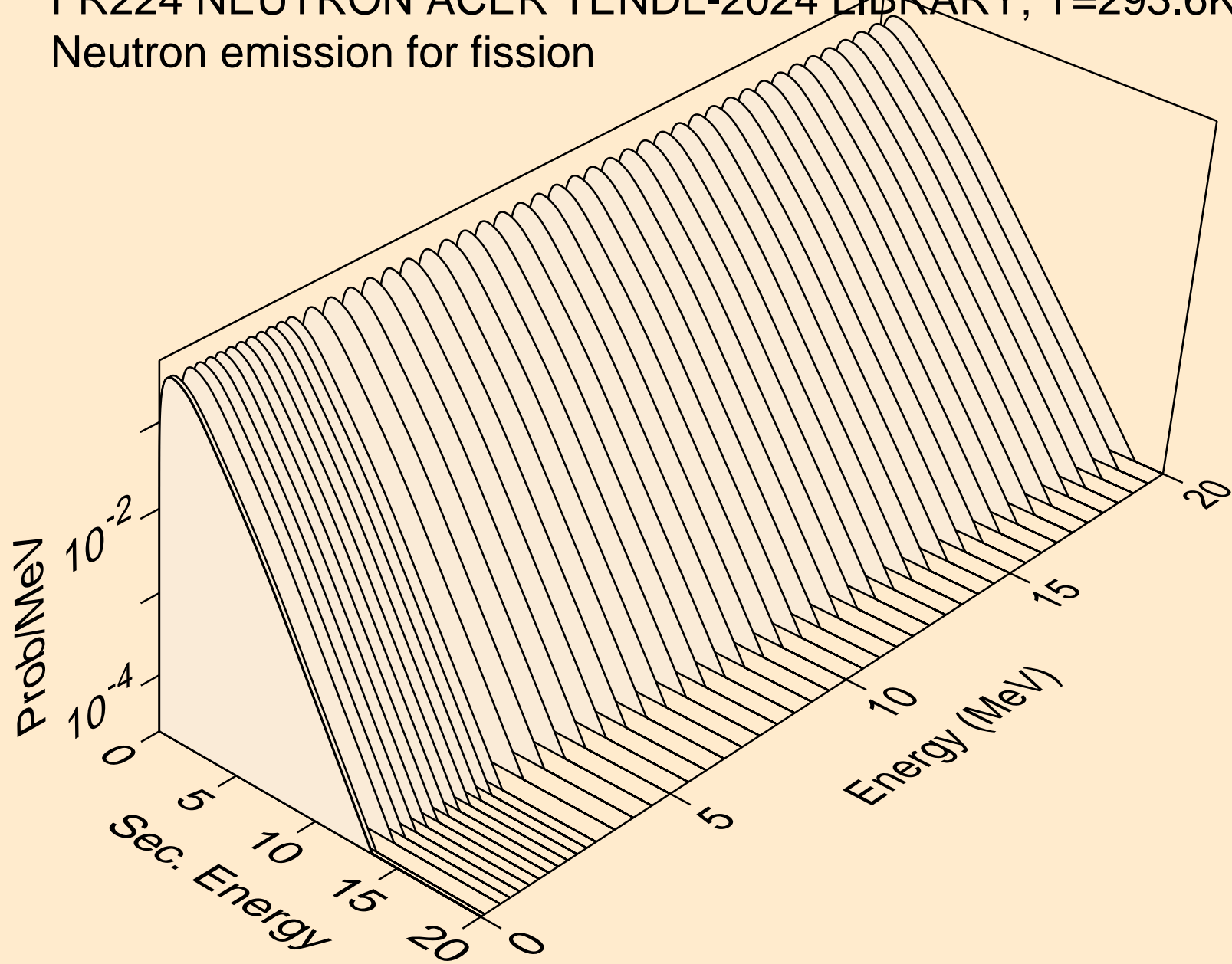
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



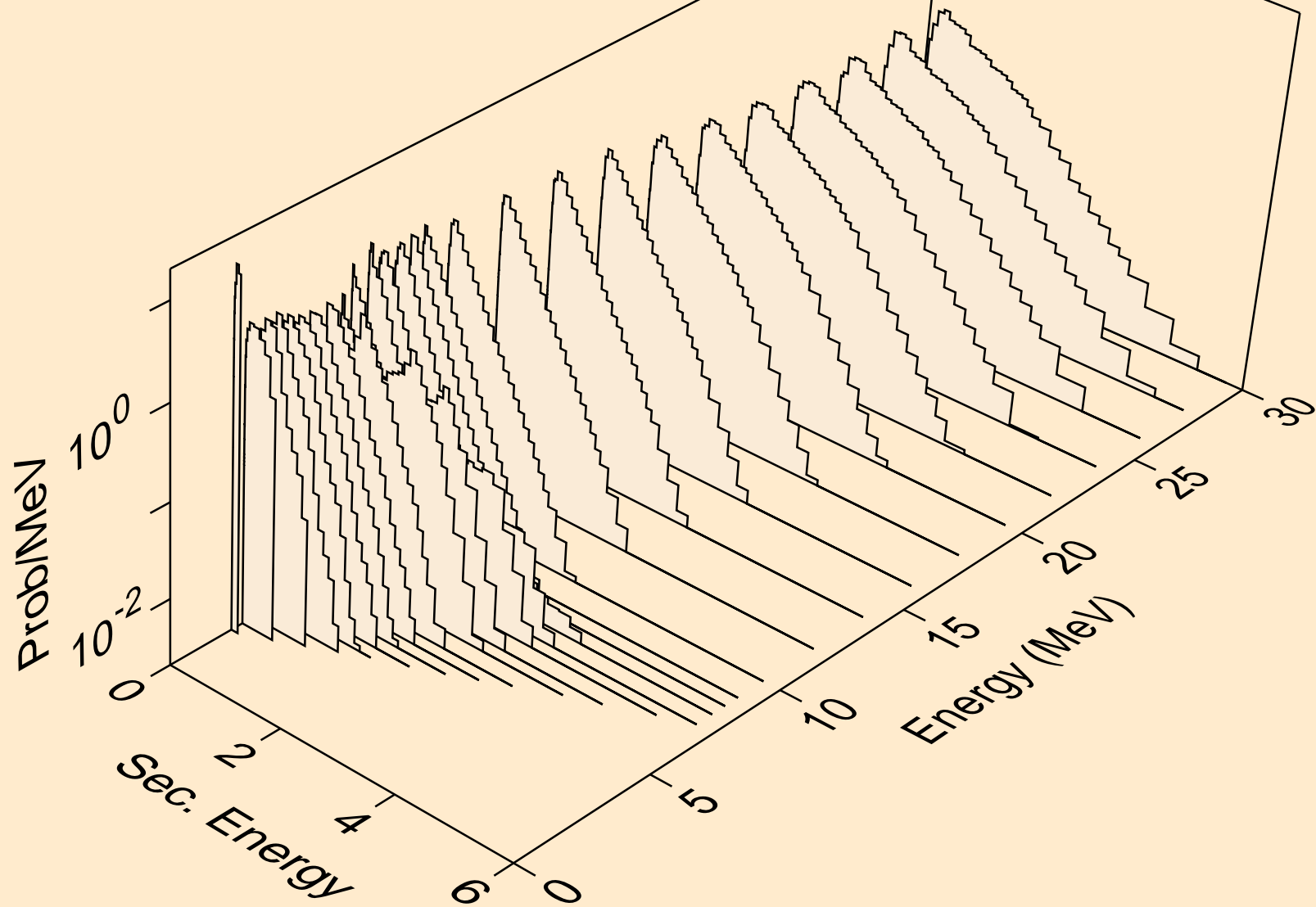
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



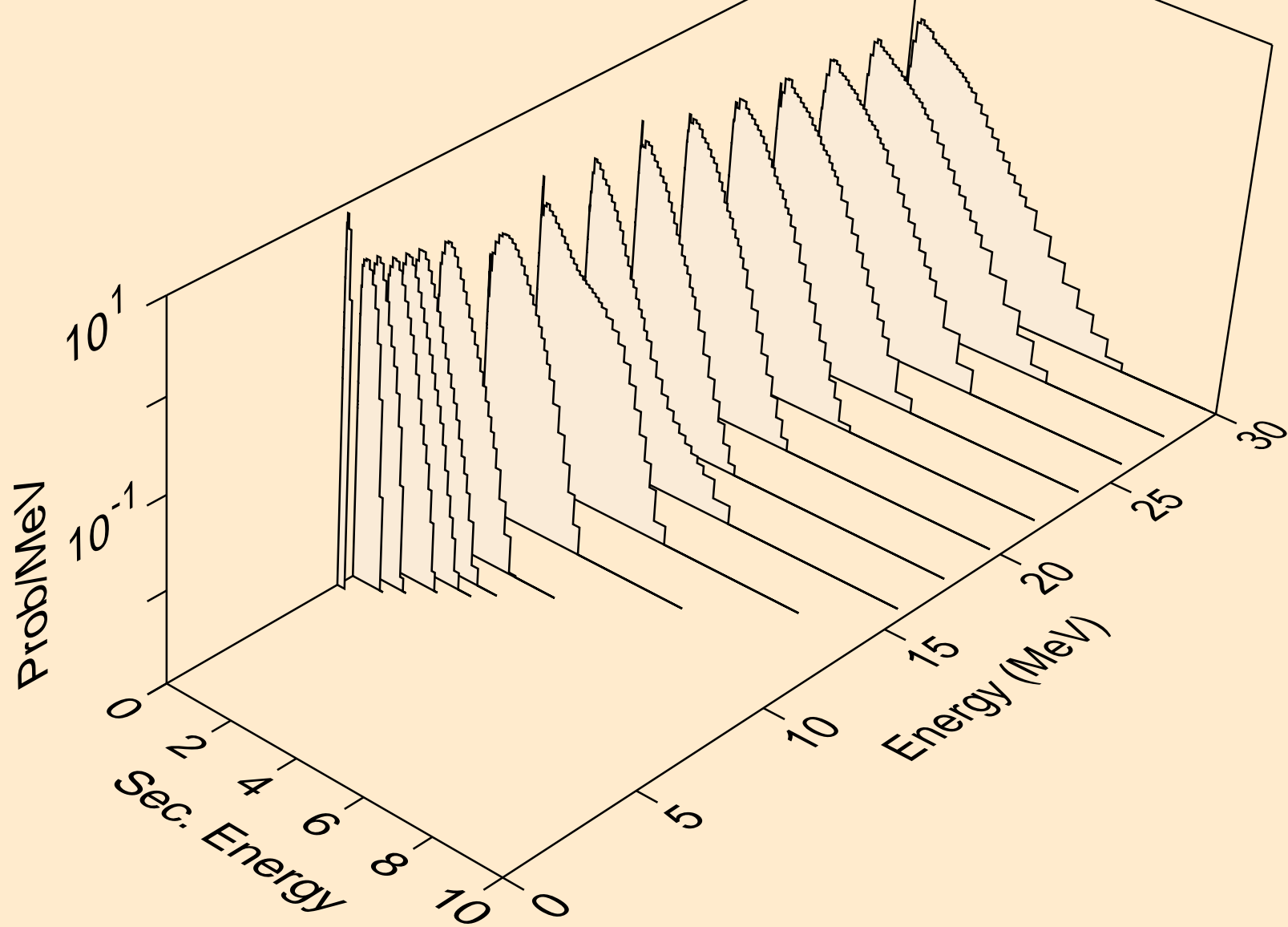
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for fission



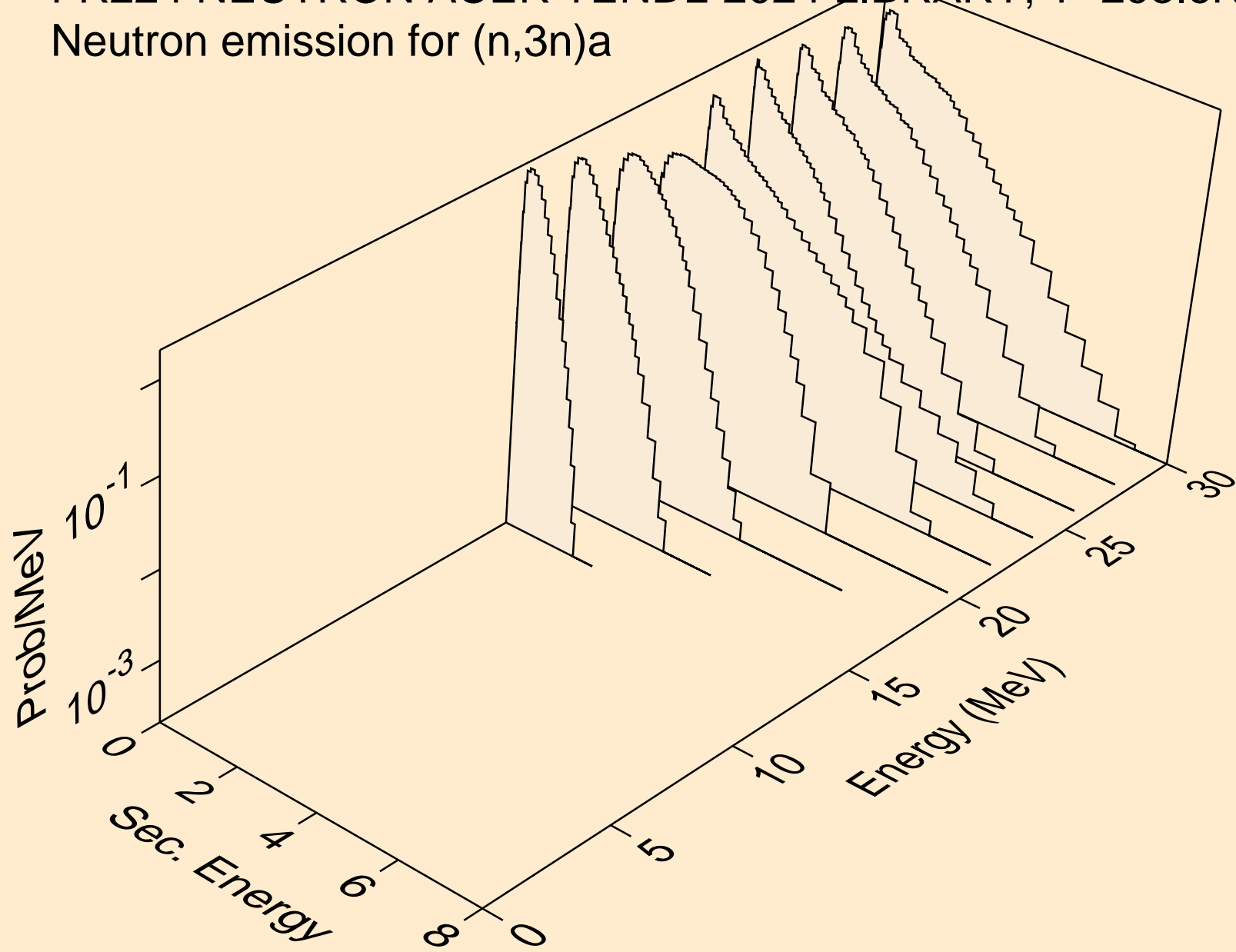
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



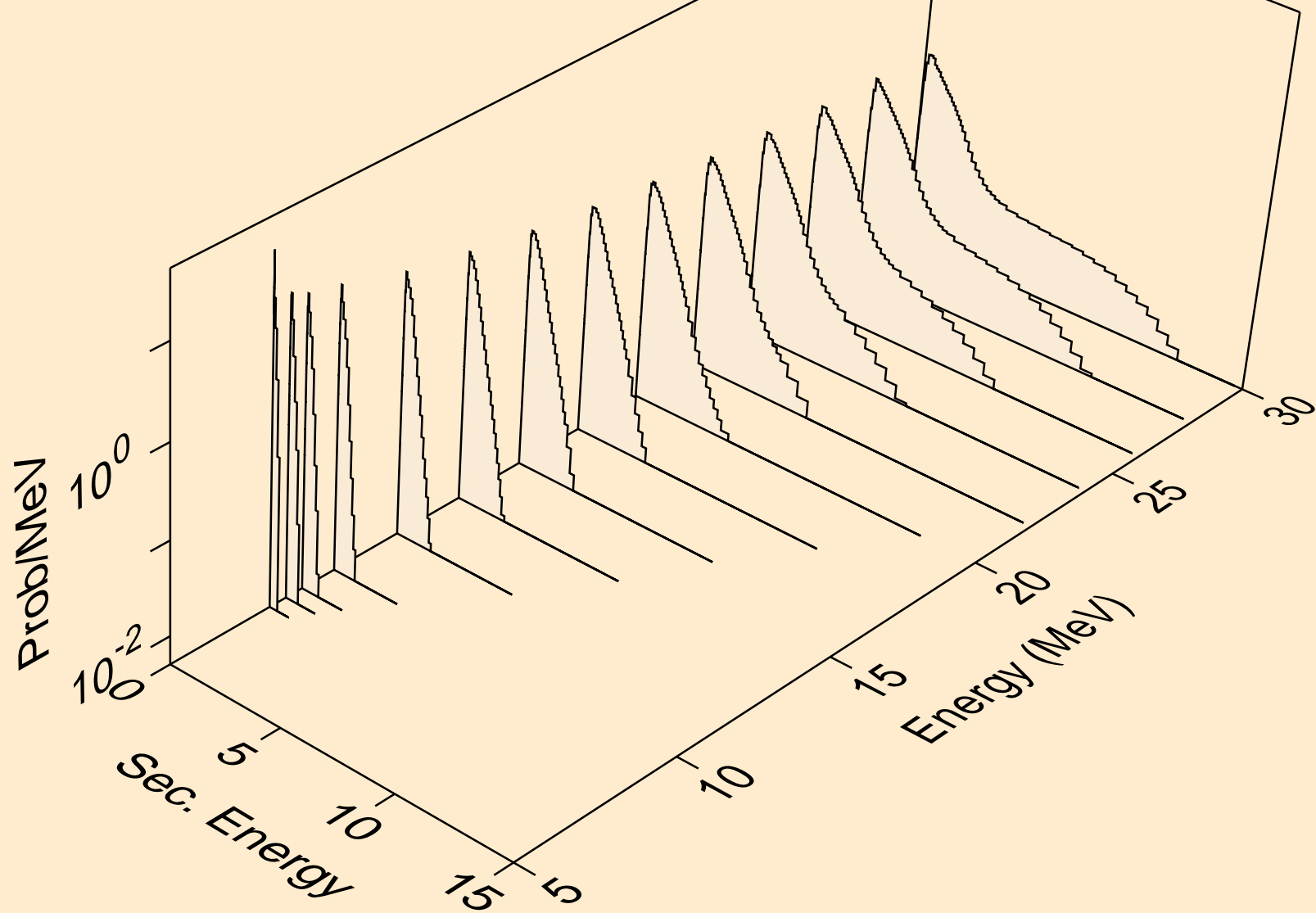
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



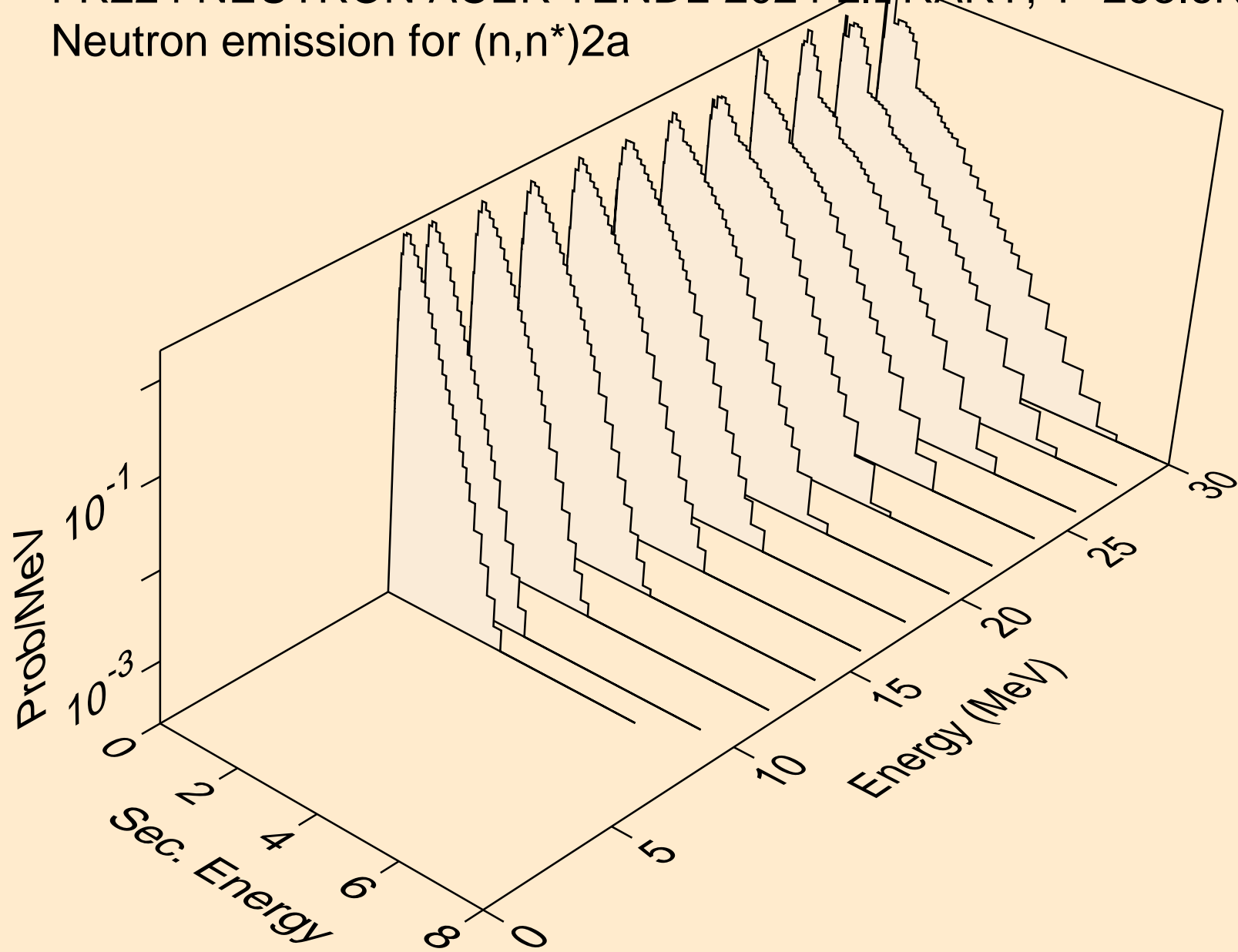
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



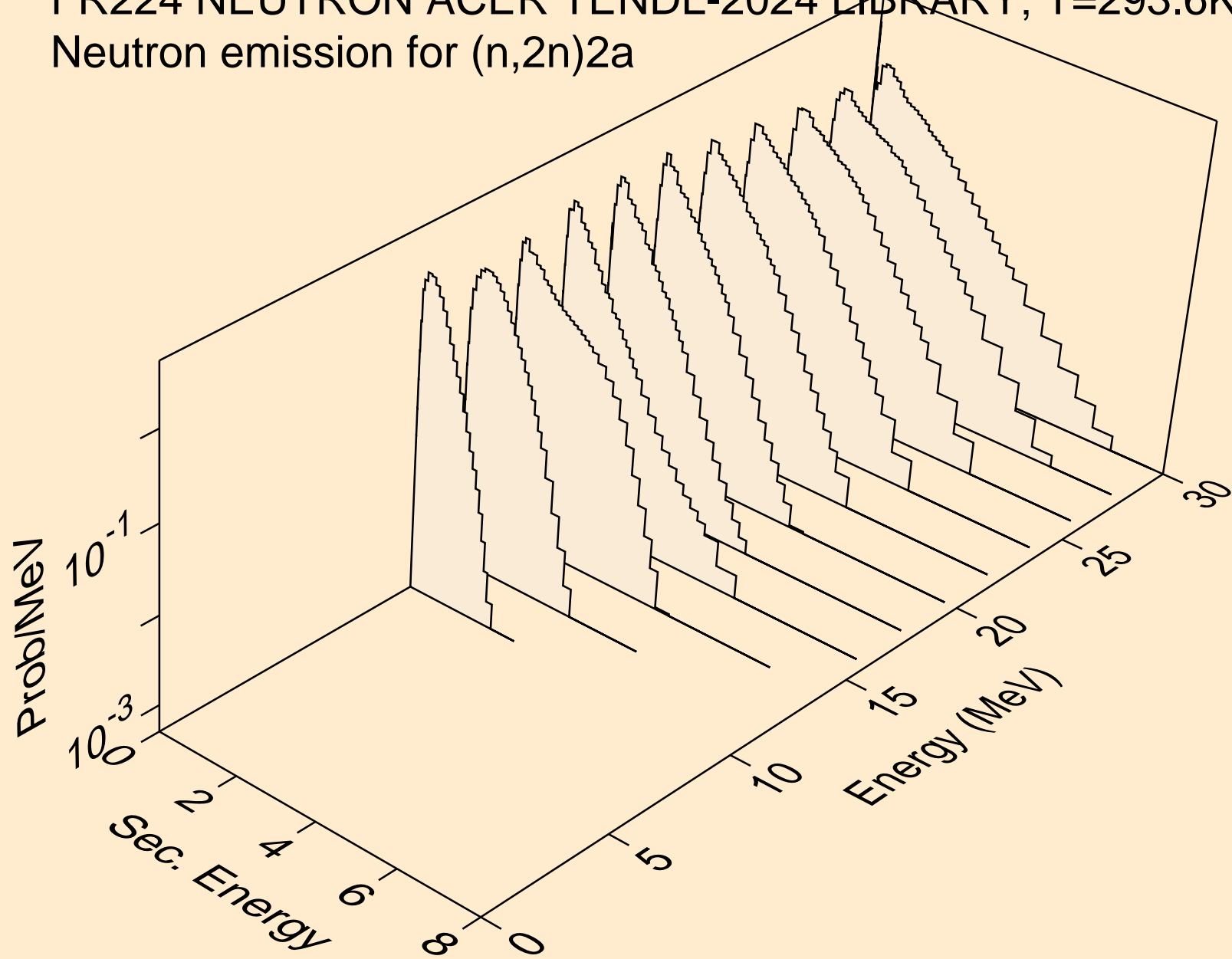
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



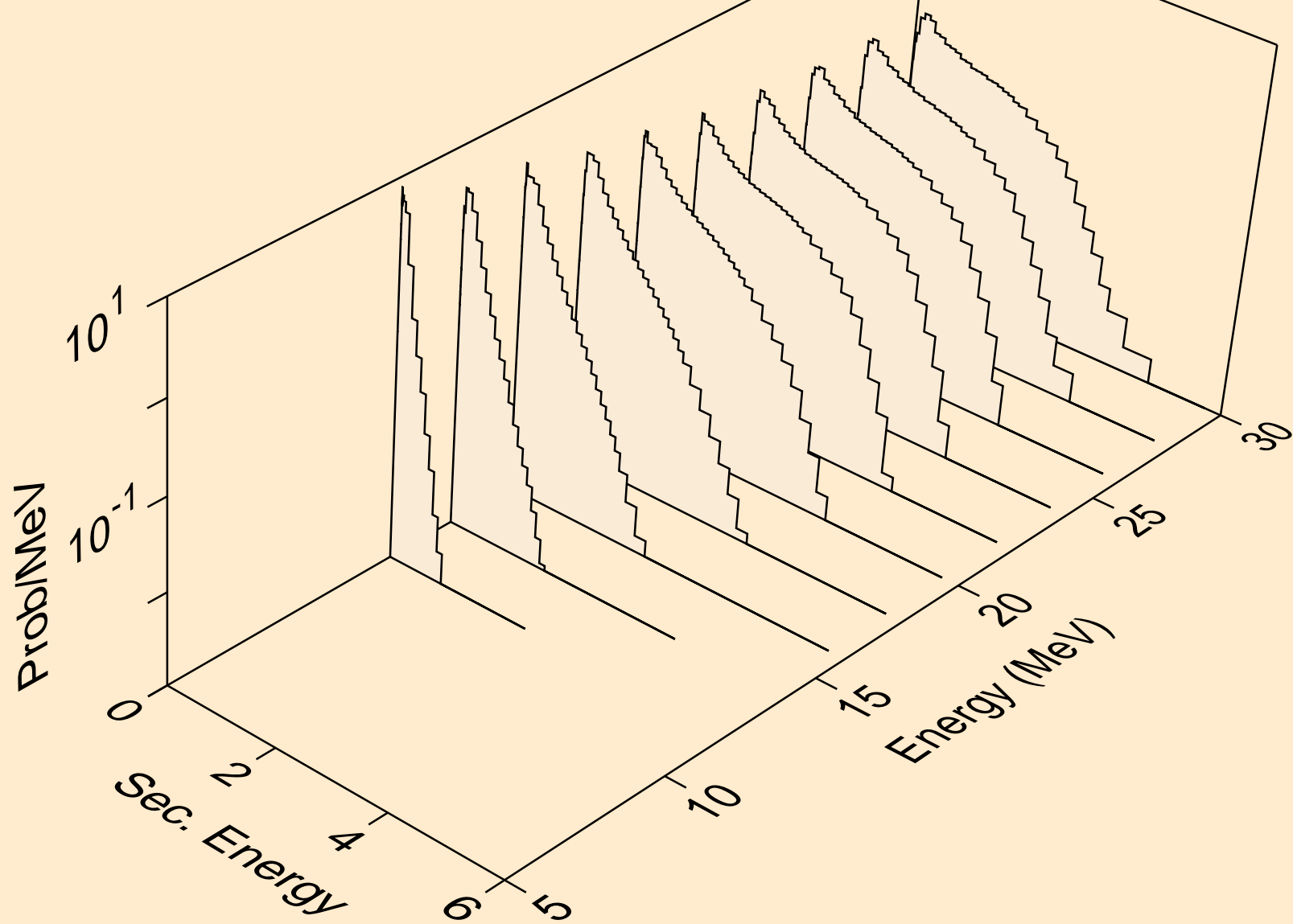
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



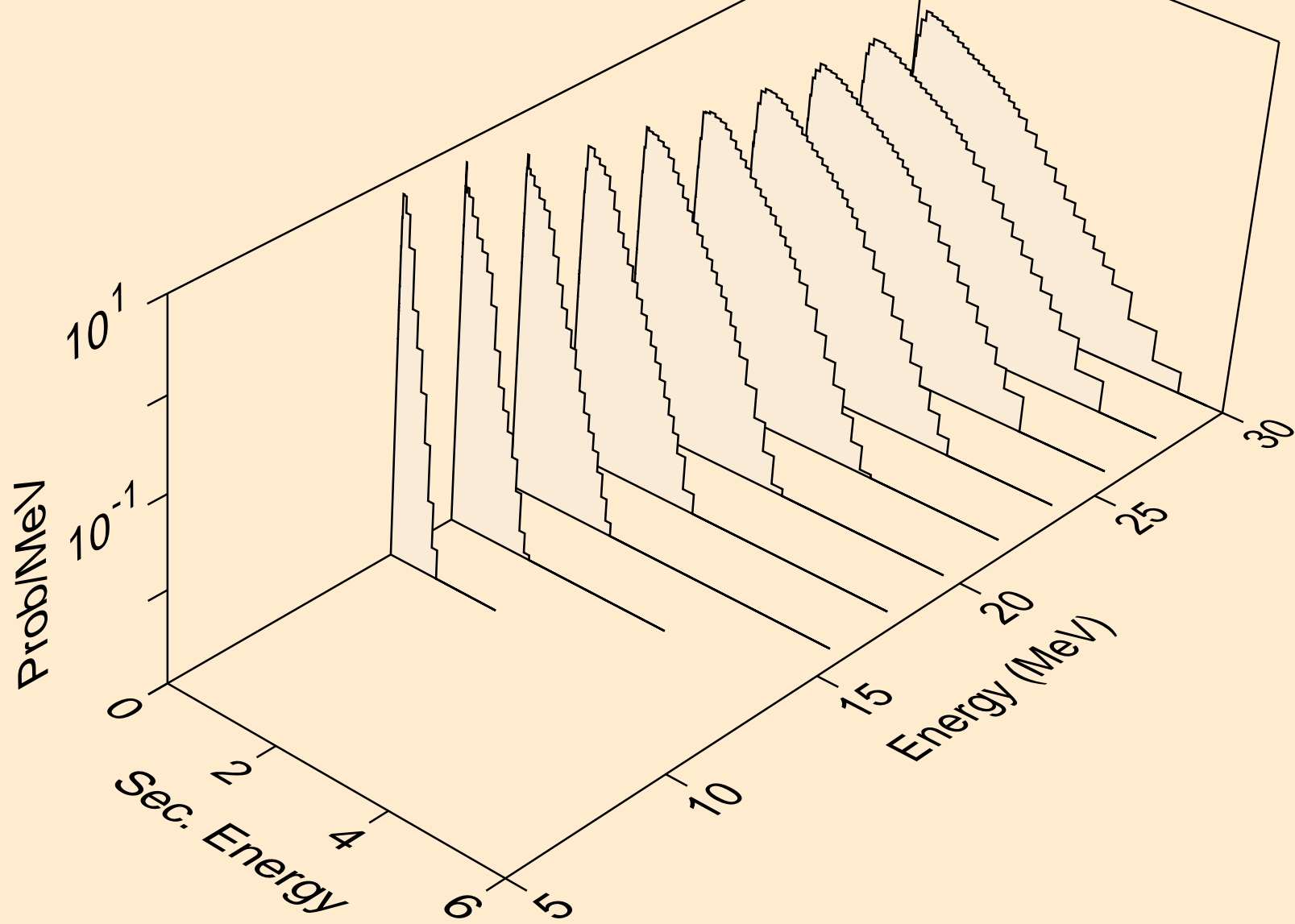
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



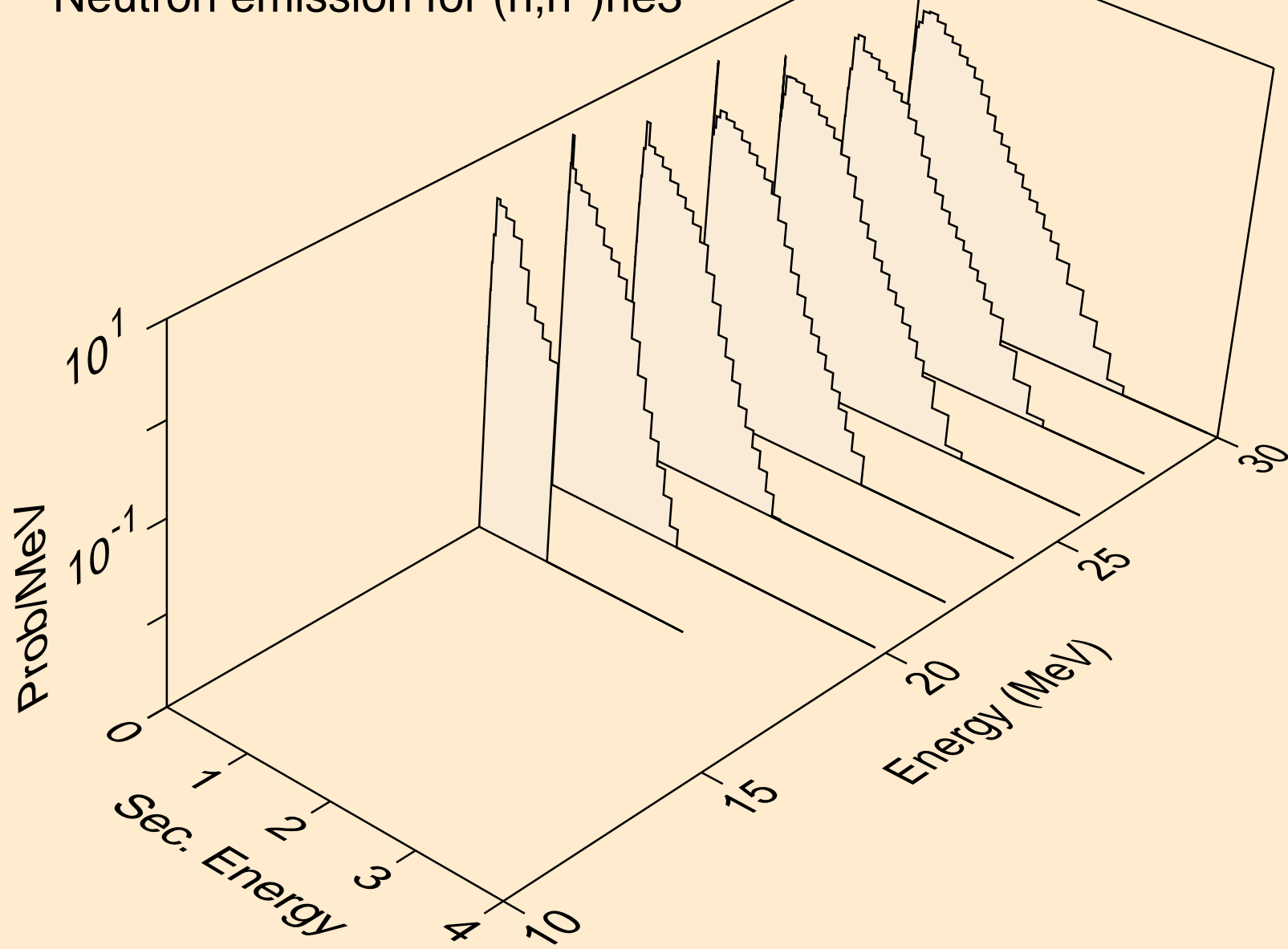
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



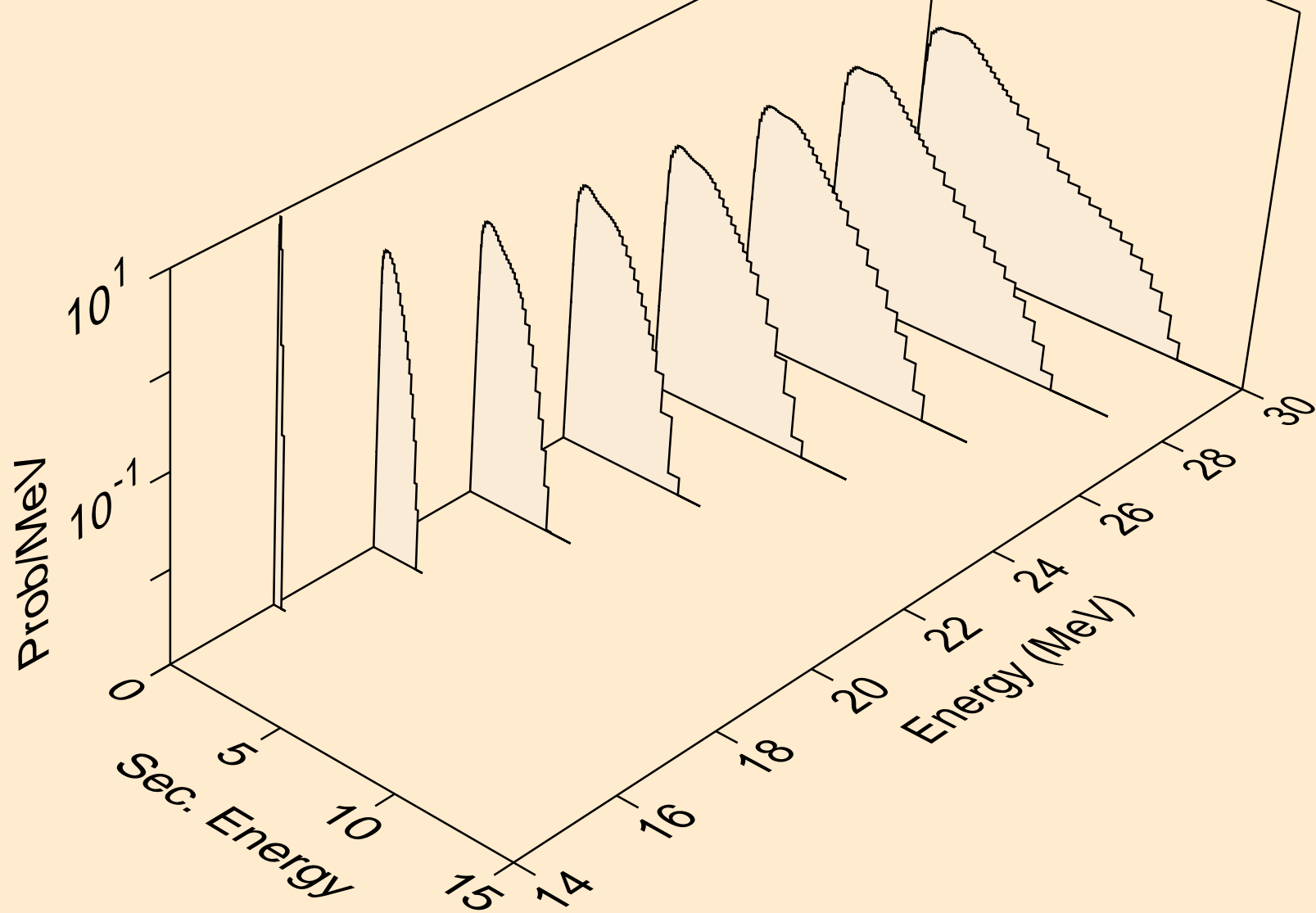
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



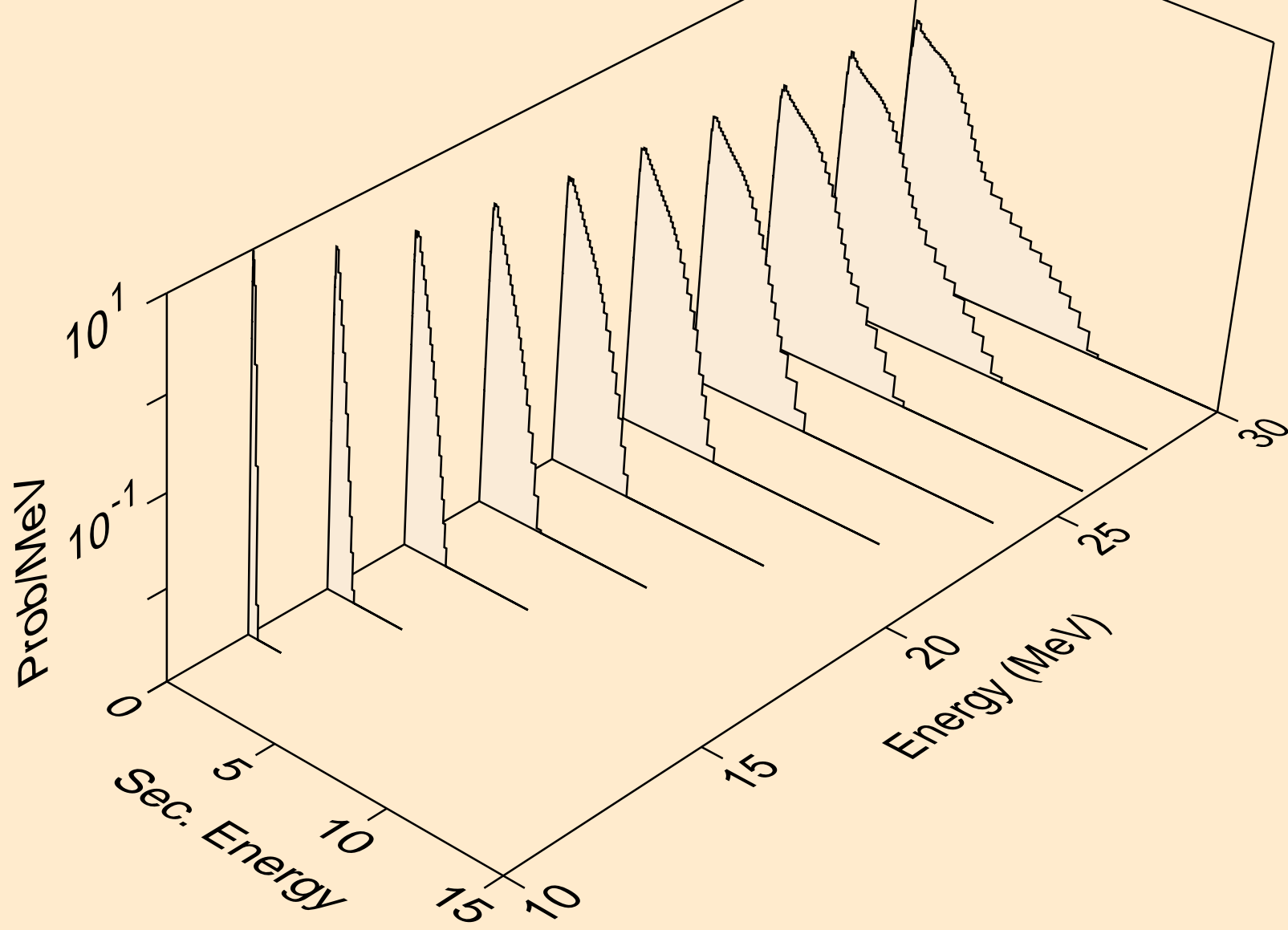
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



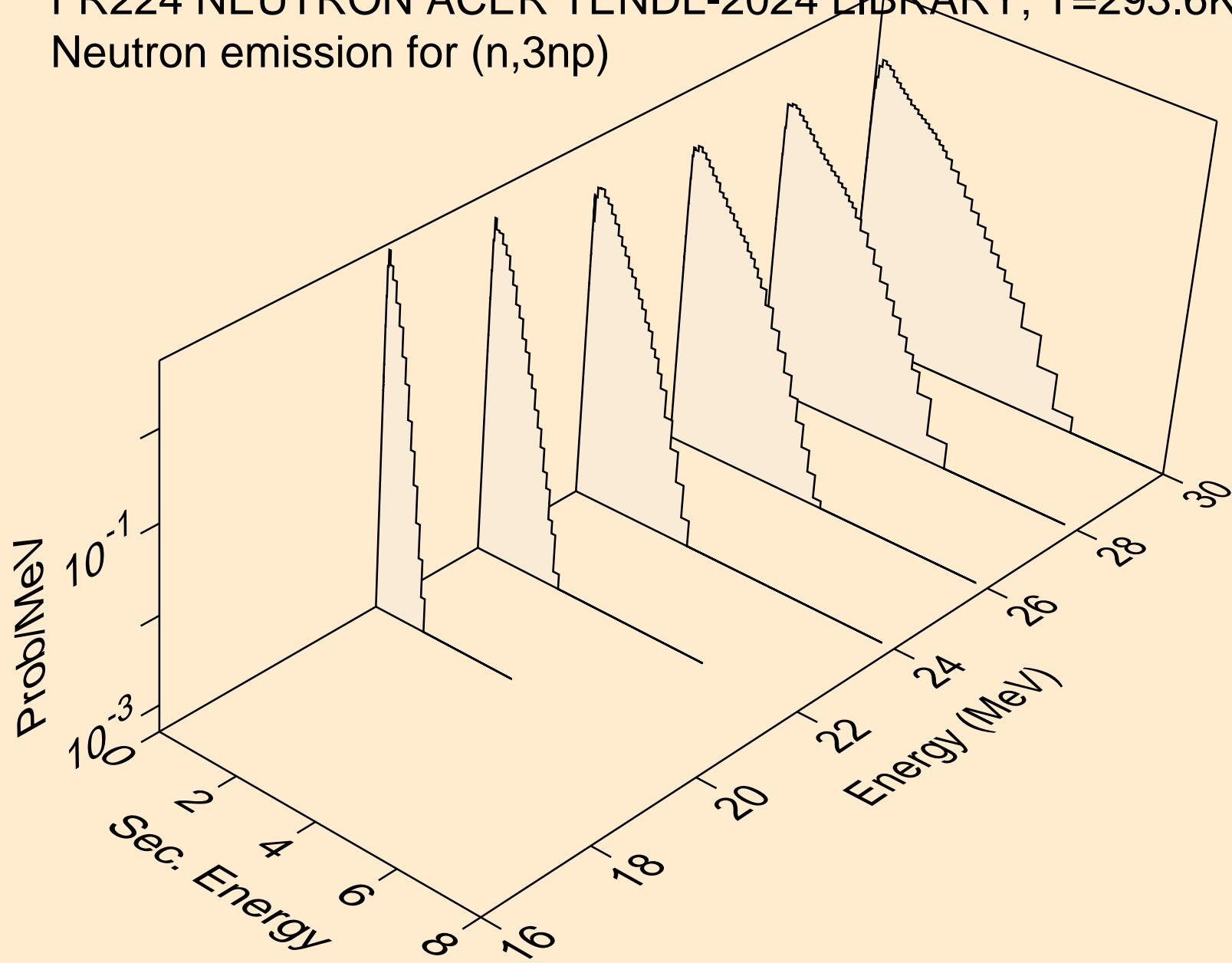
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



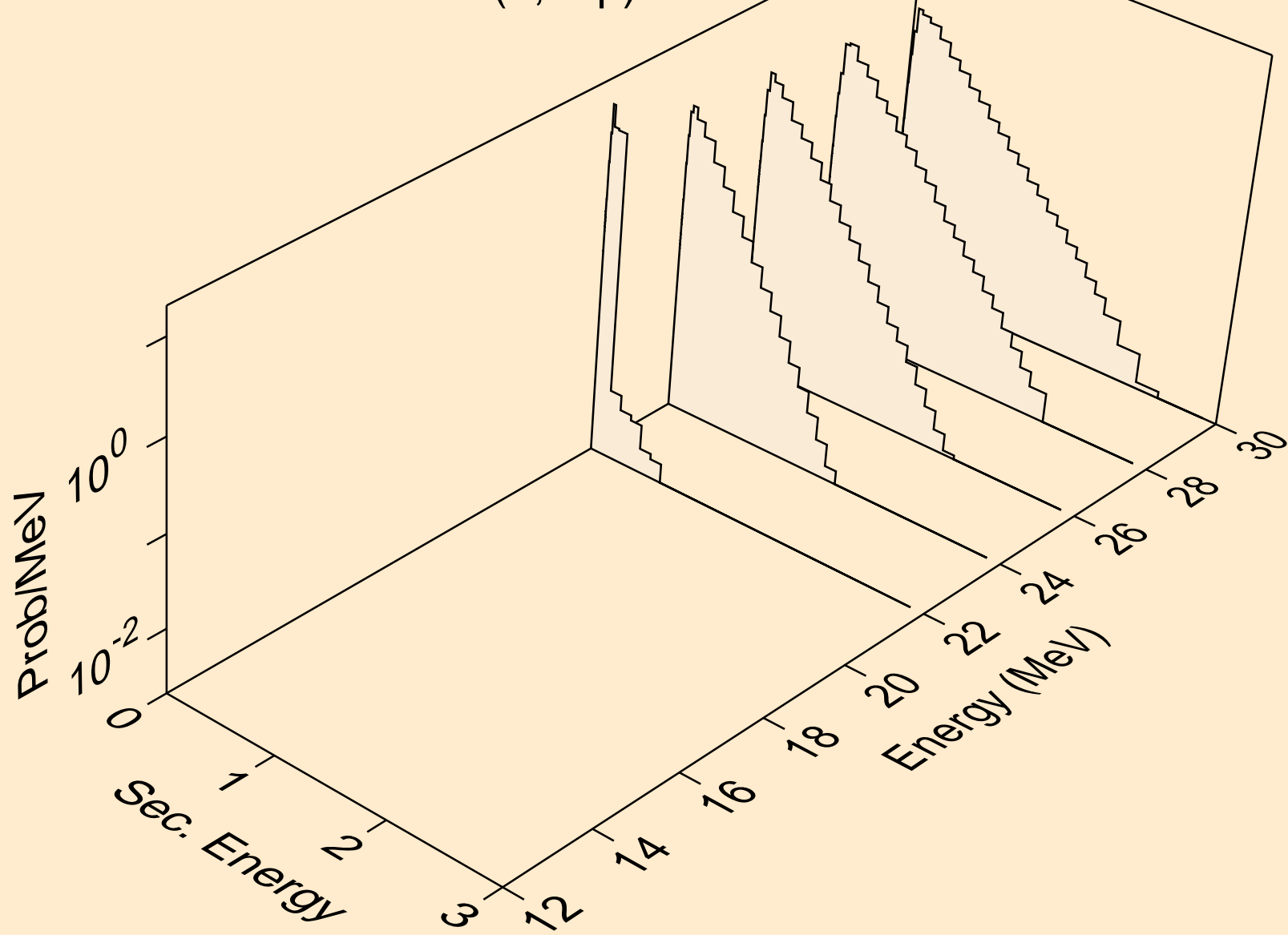
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



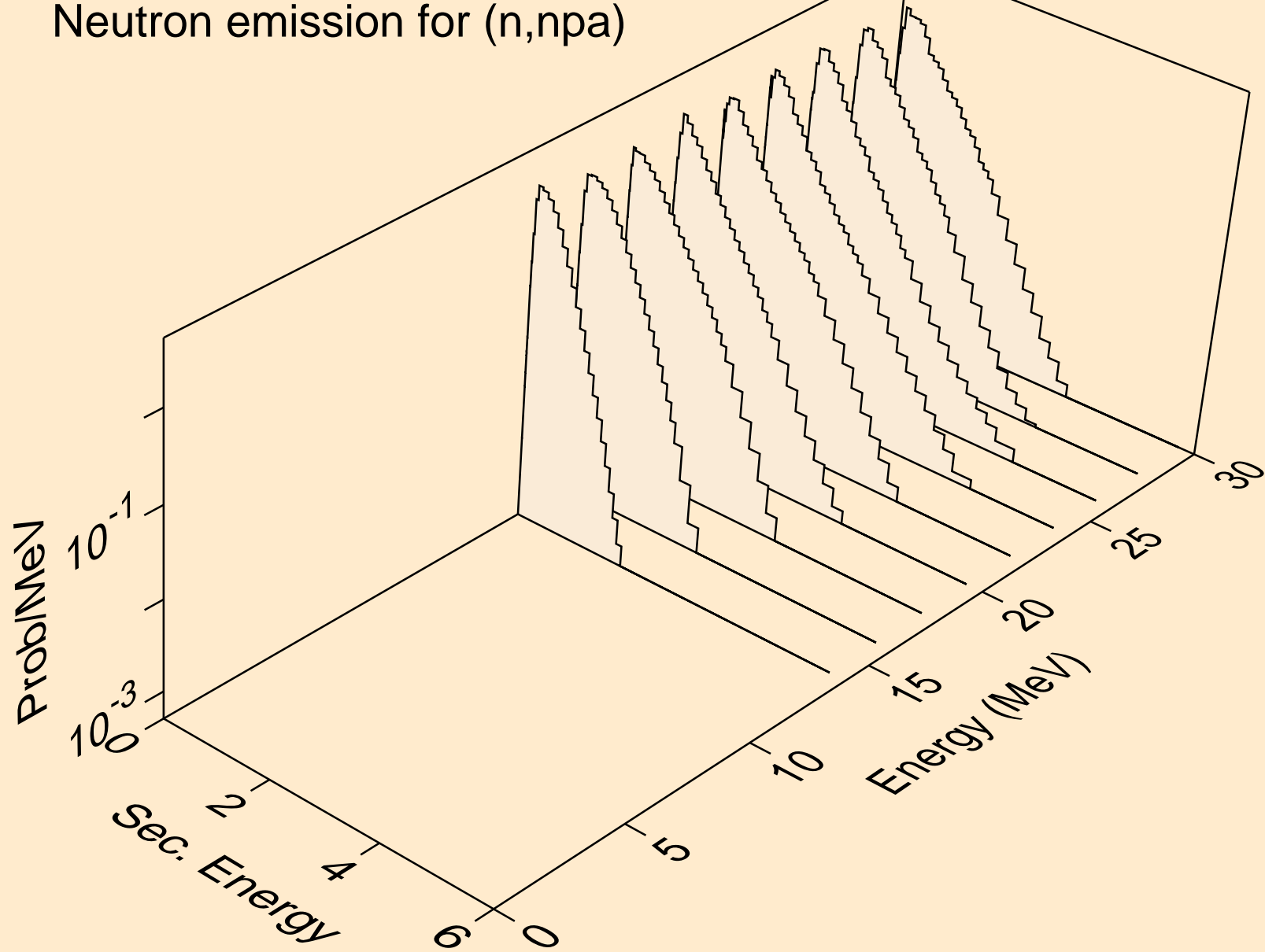
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Neutron emission for (n,3np)



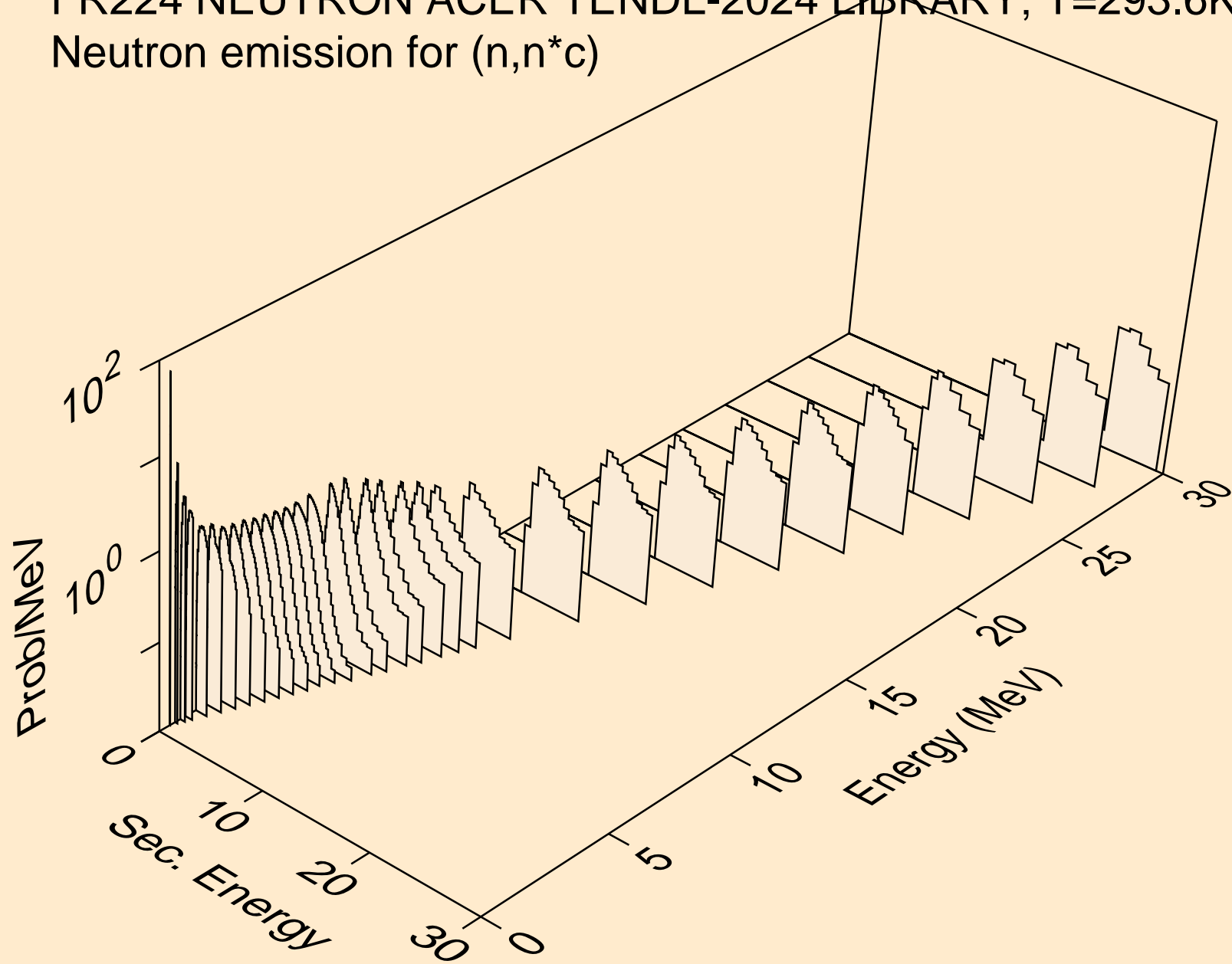
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

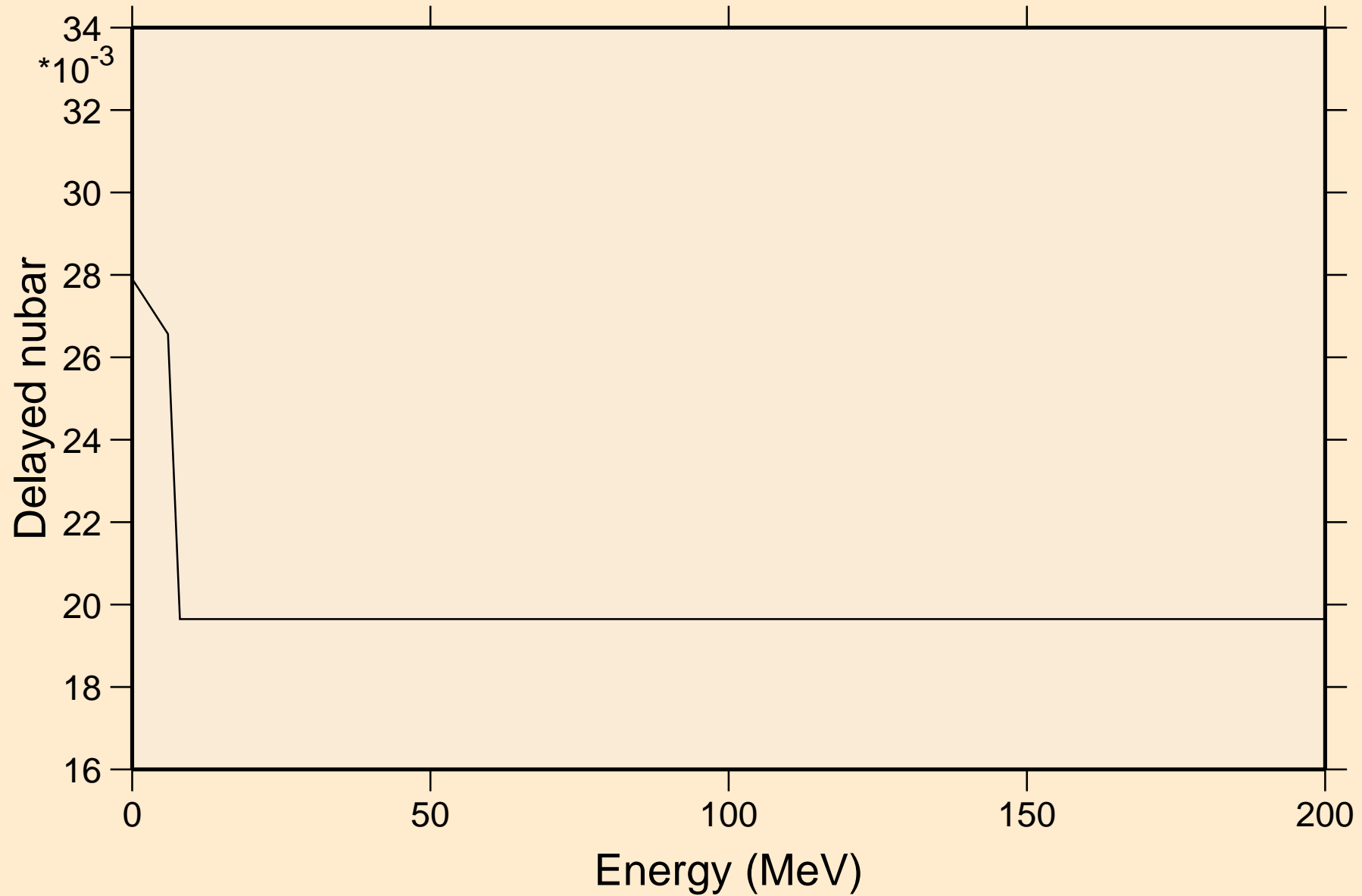


FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



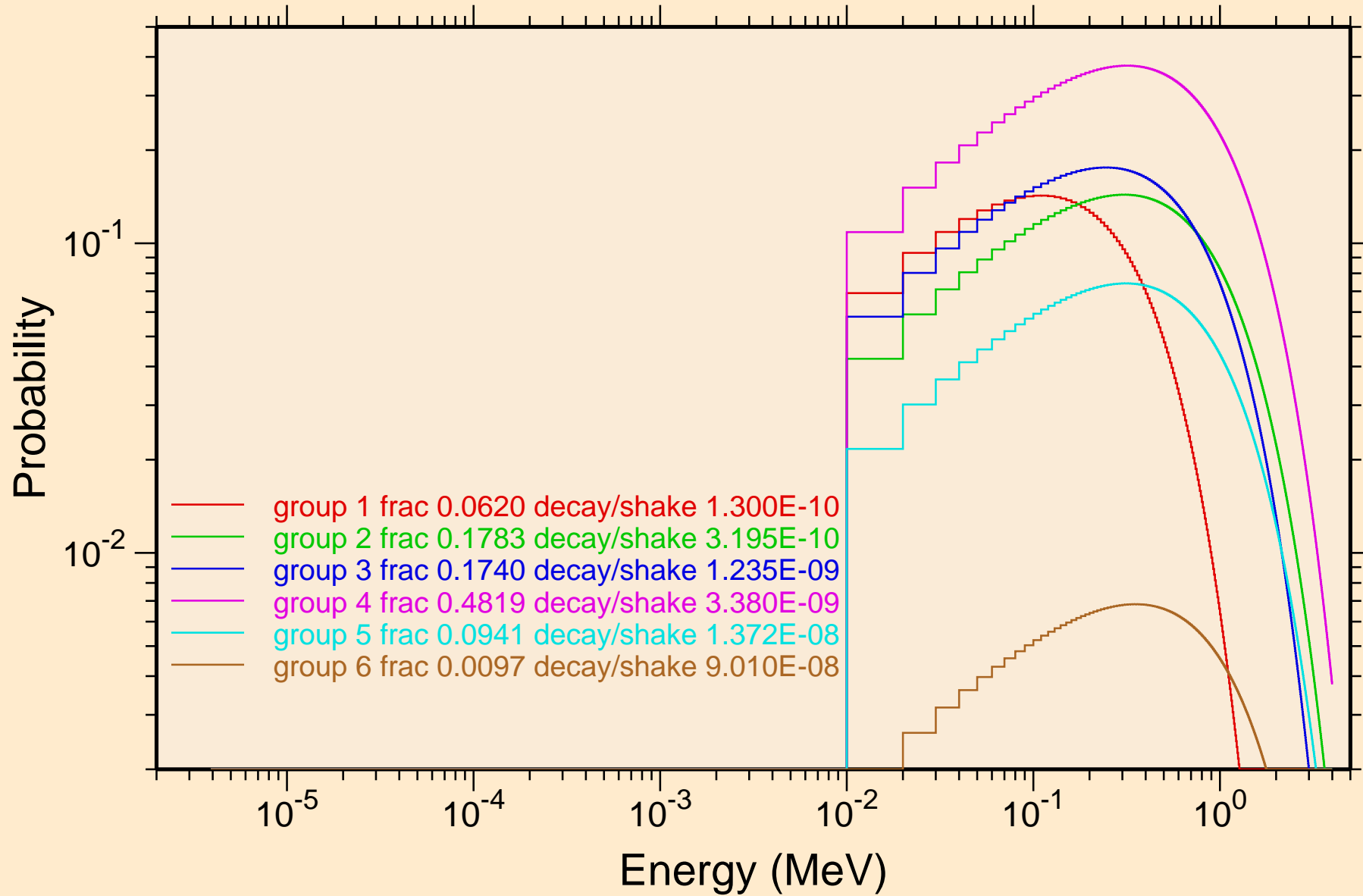
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## Delayed nubar

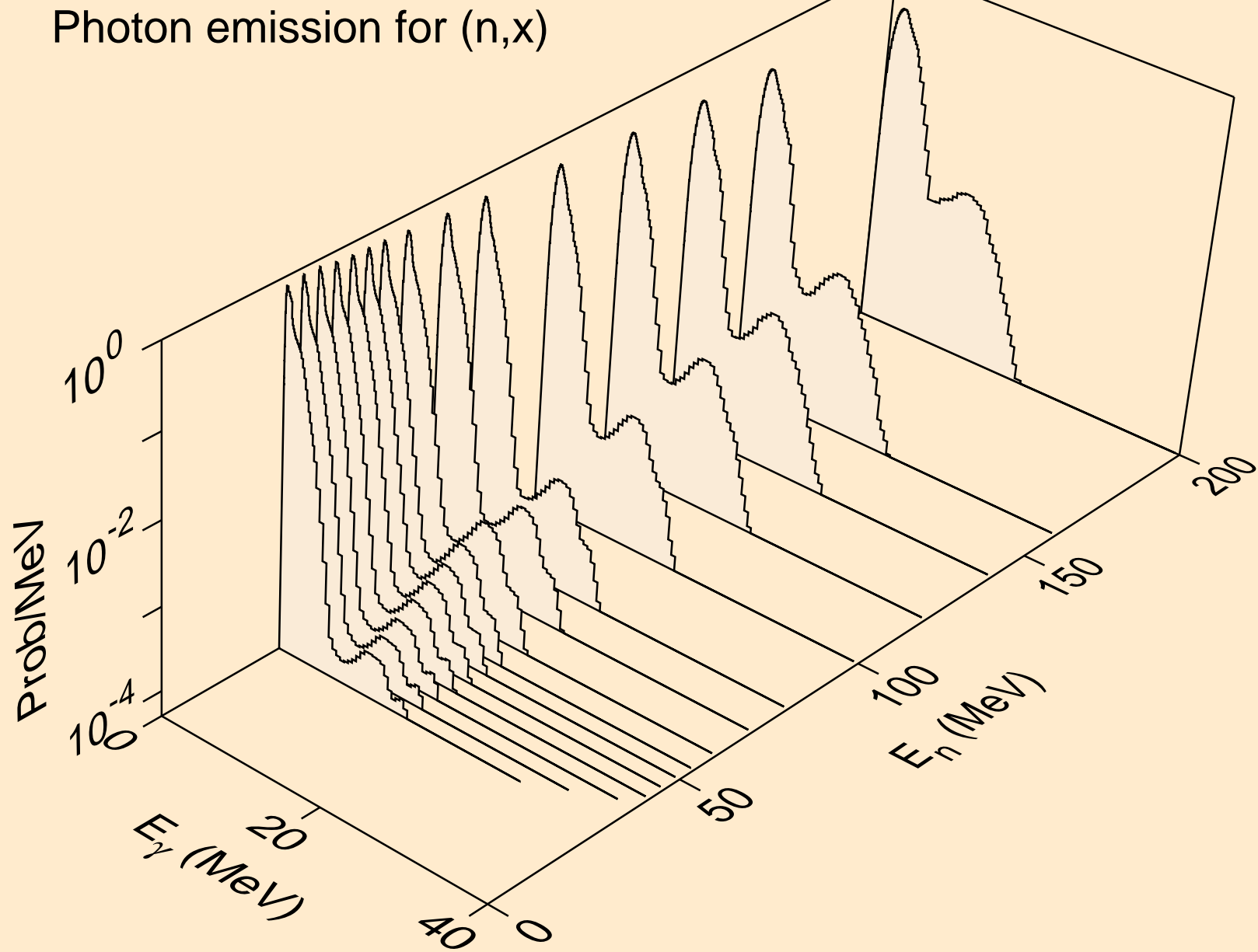


# FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

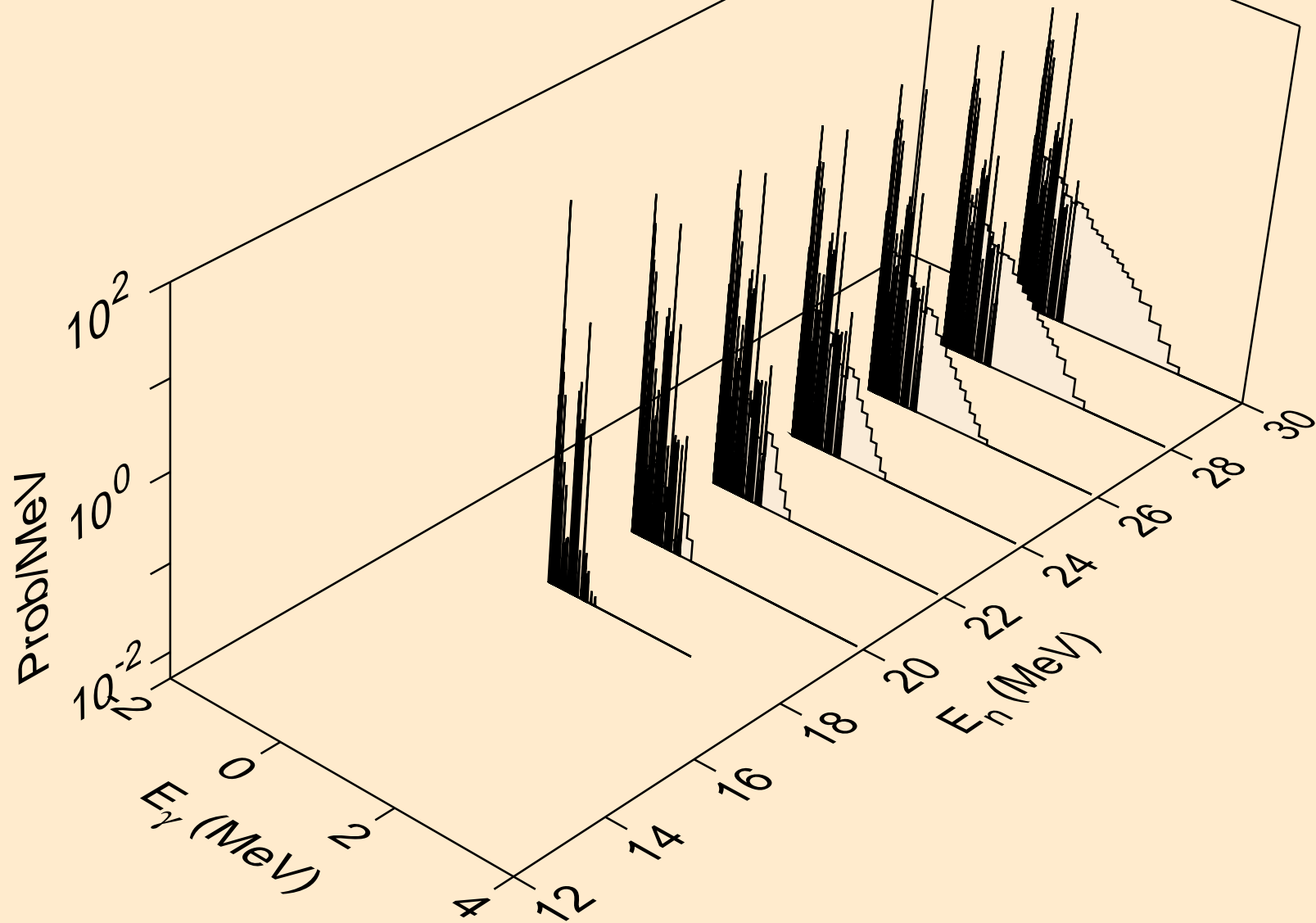
## Delayed neutron spectra



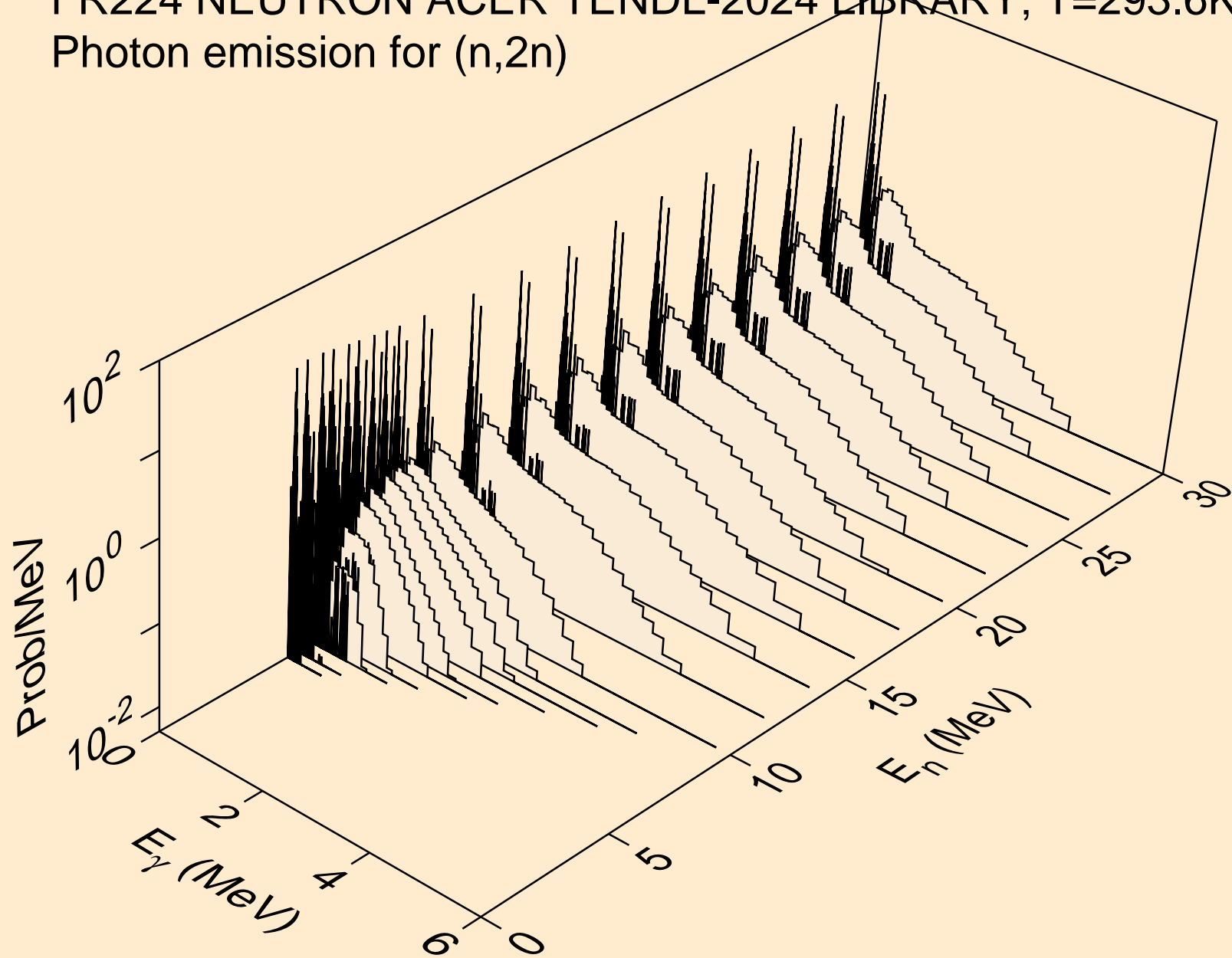
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



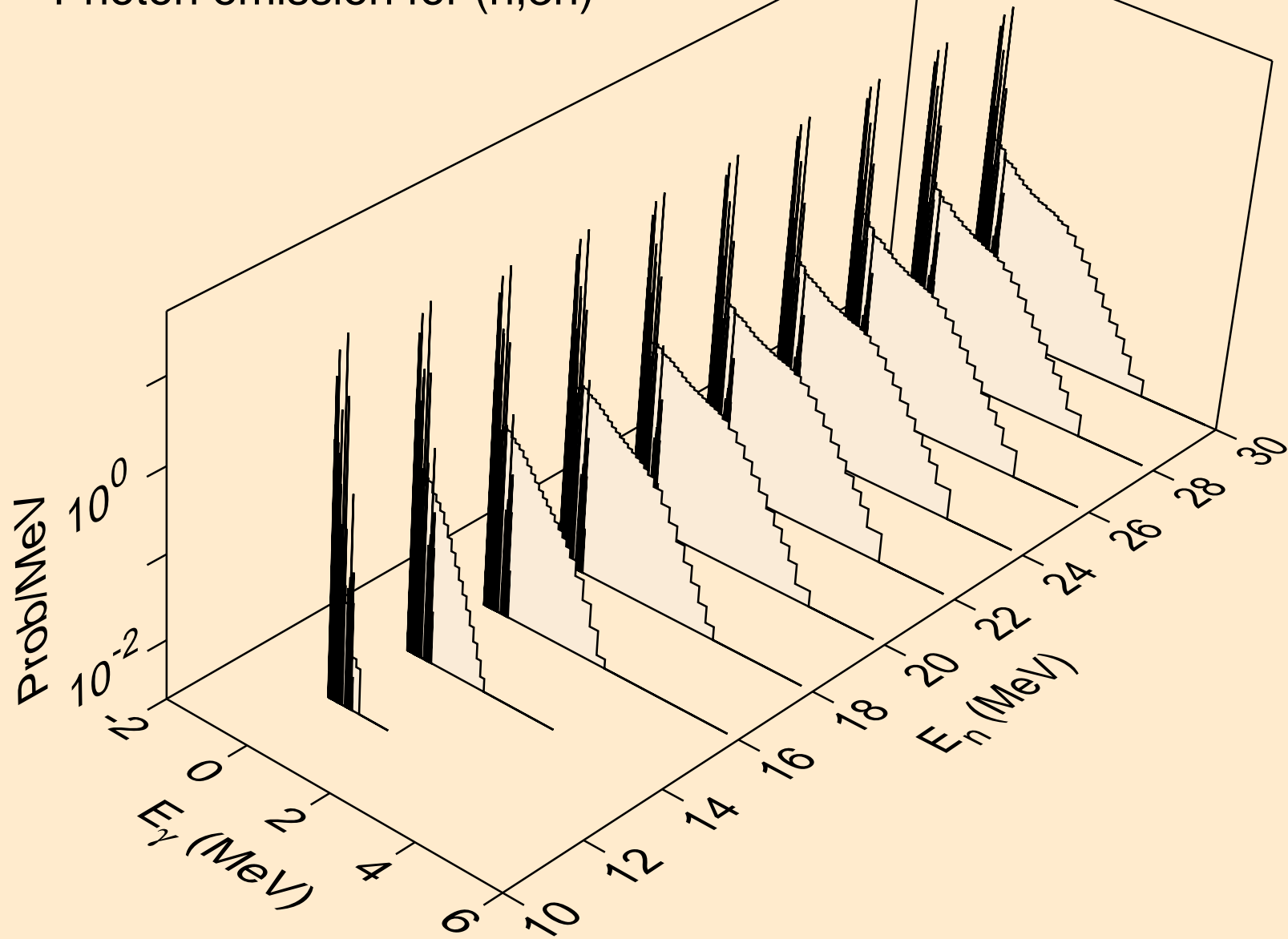
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



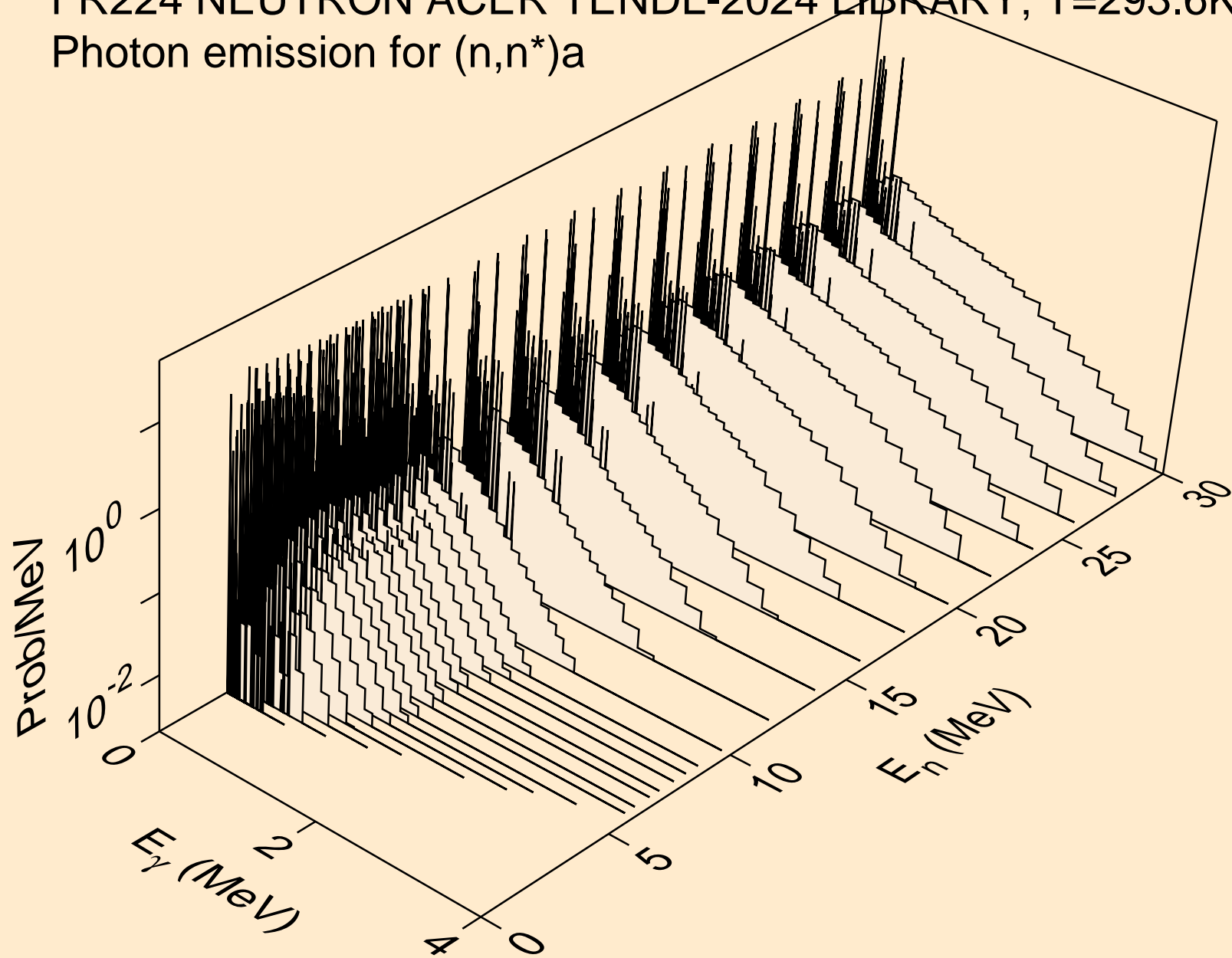
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



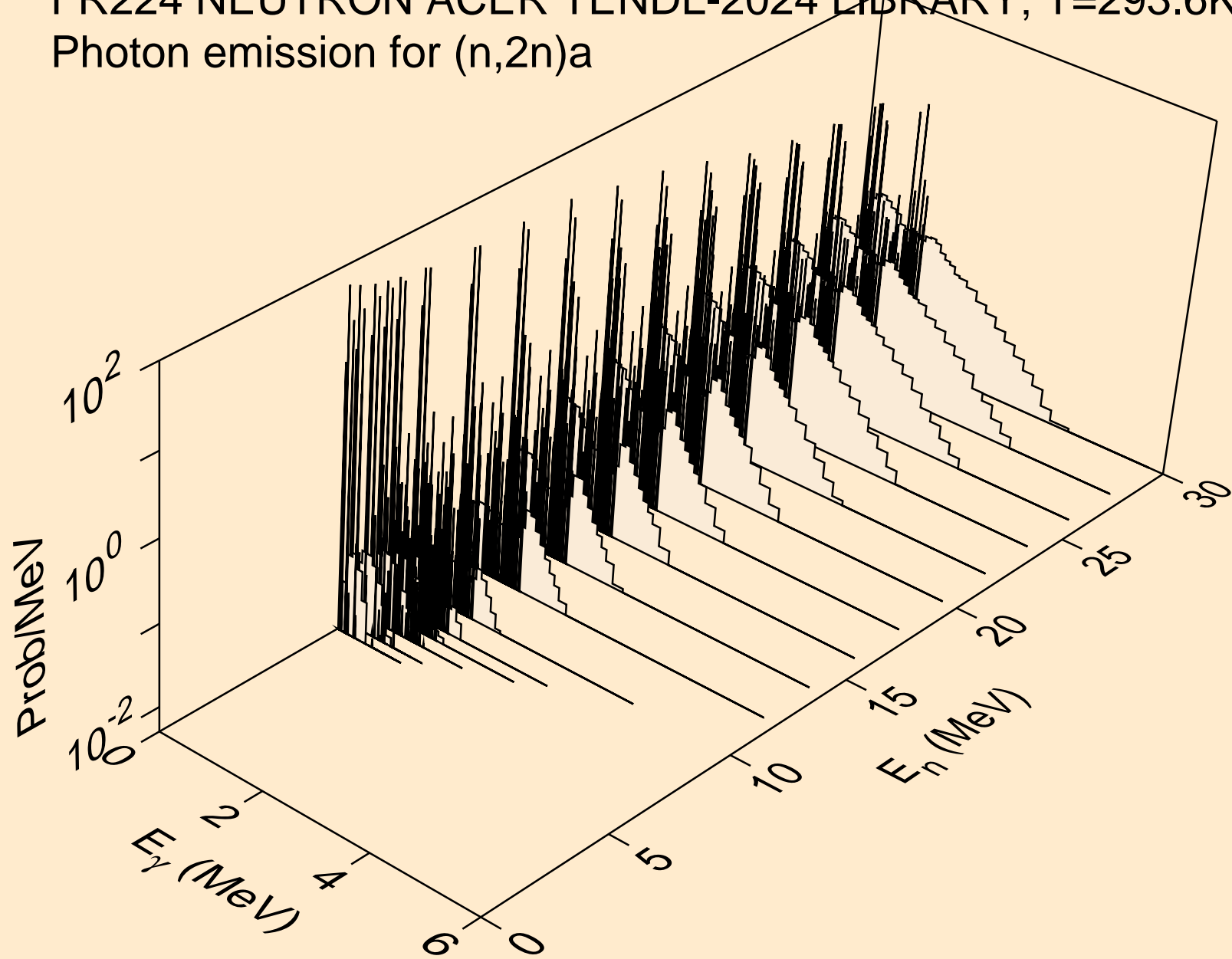
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



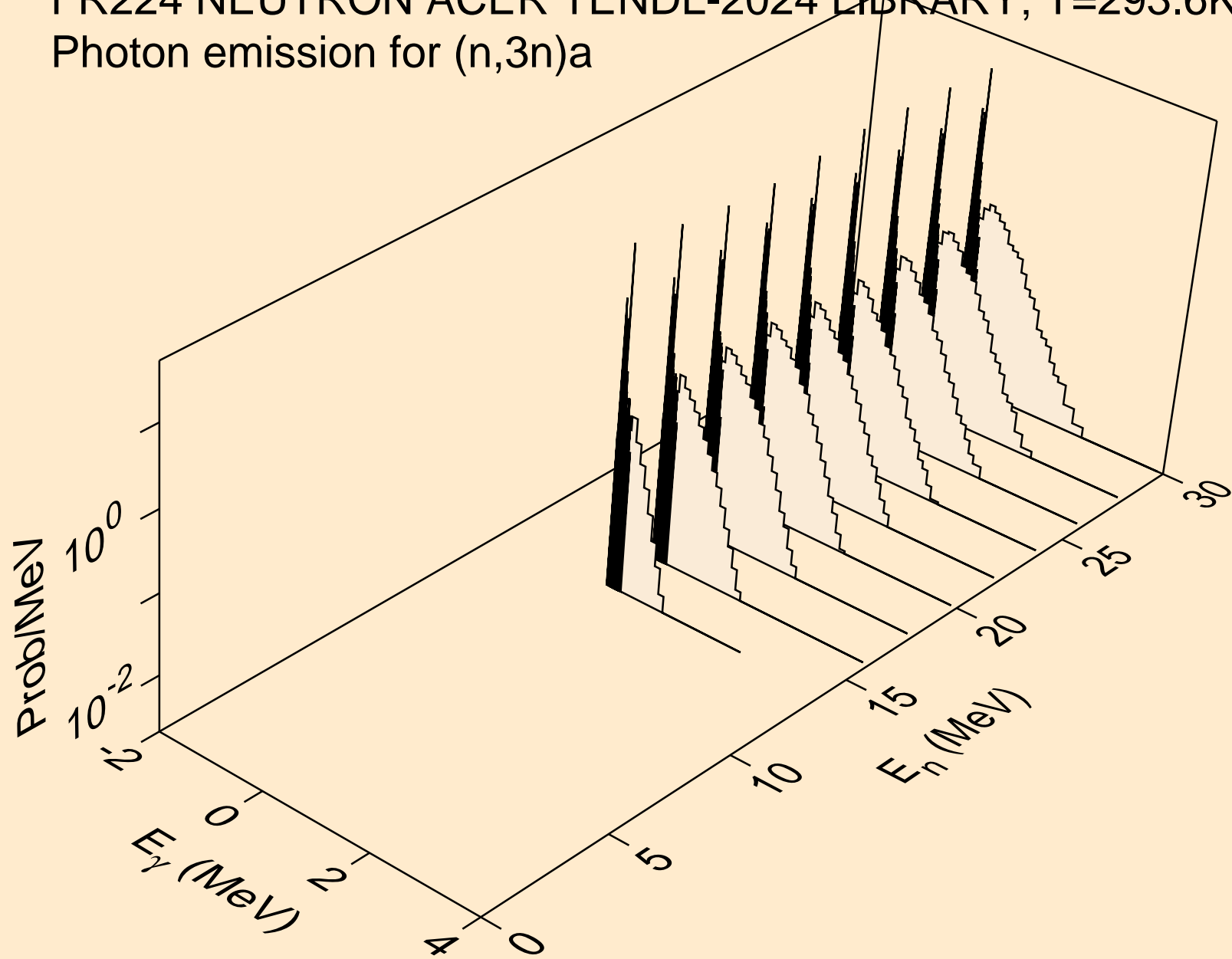
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



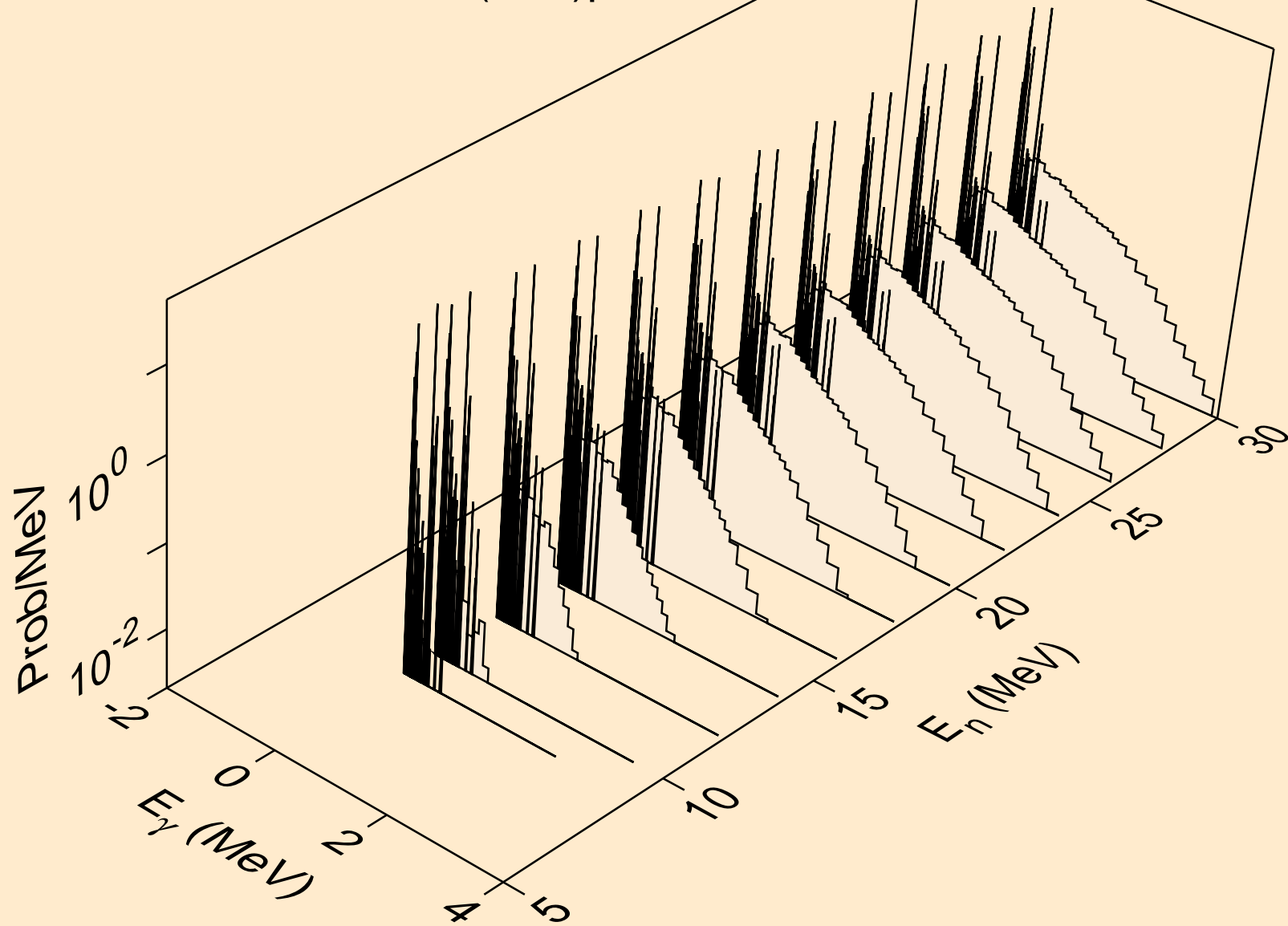
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



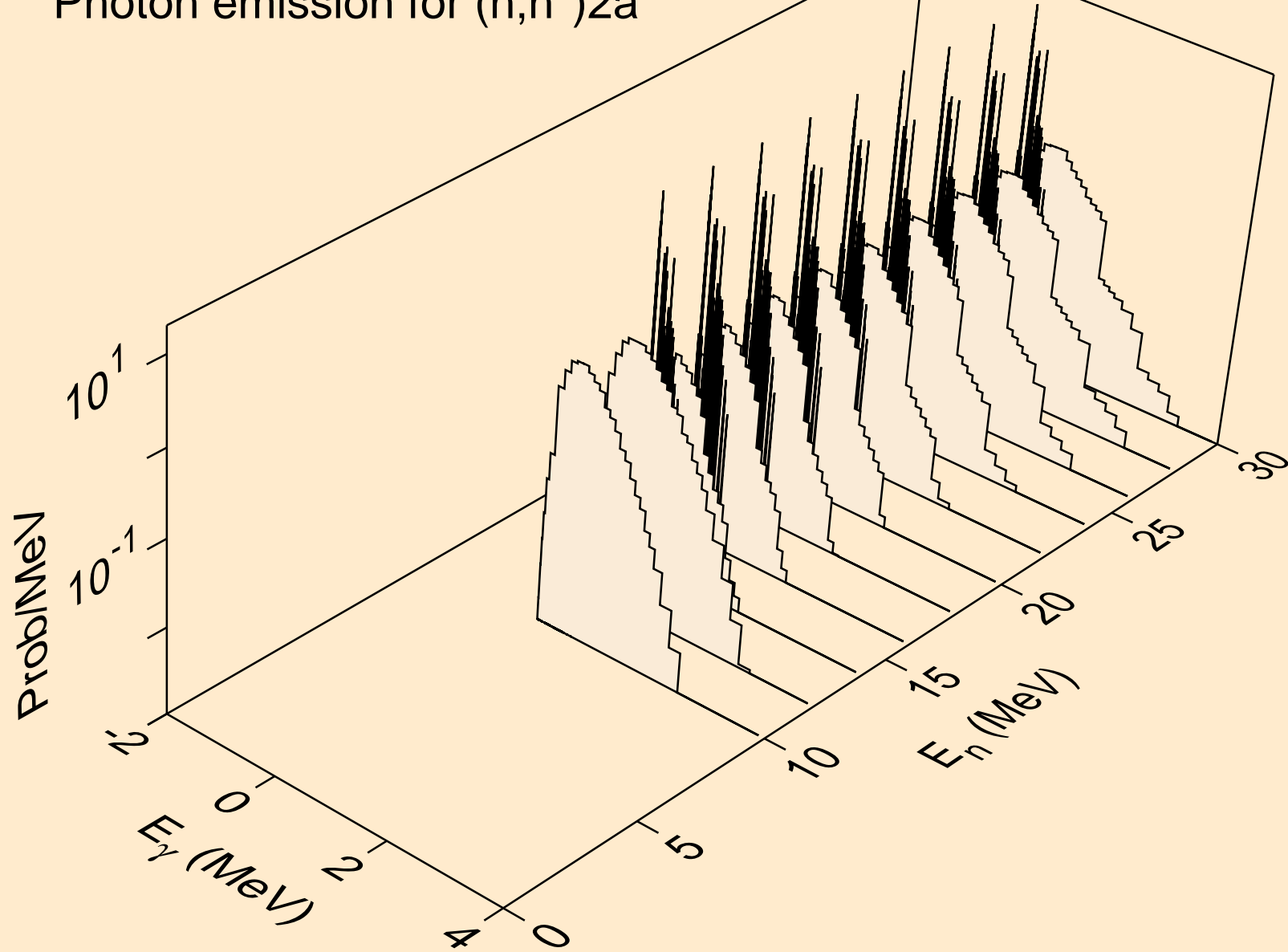
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Photon emission for (n,3n)a



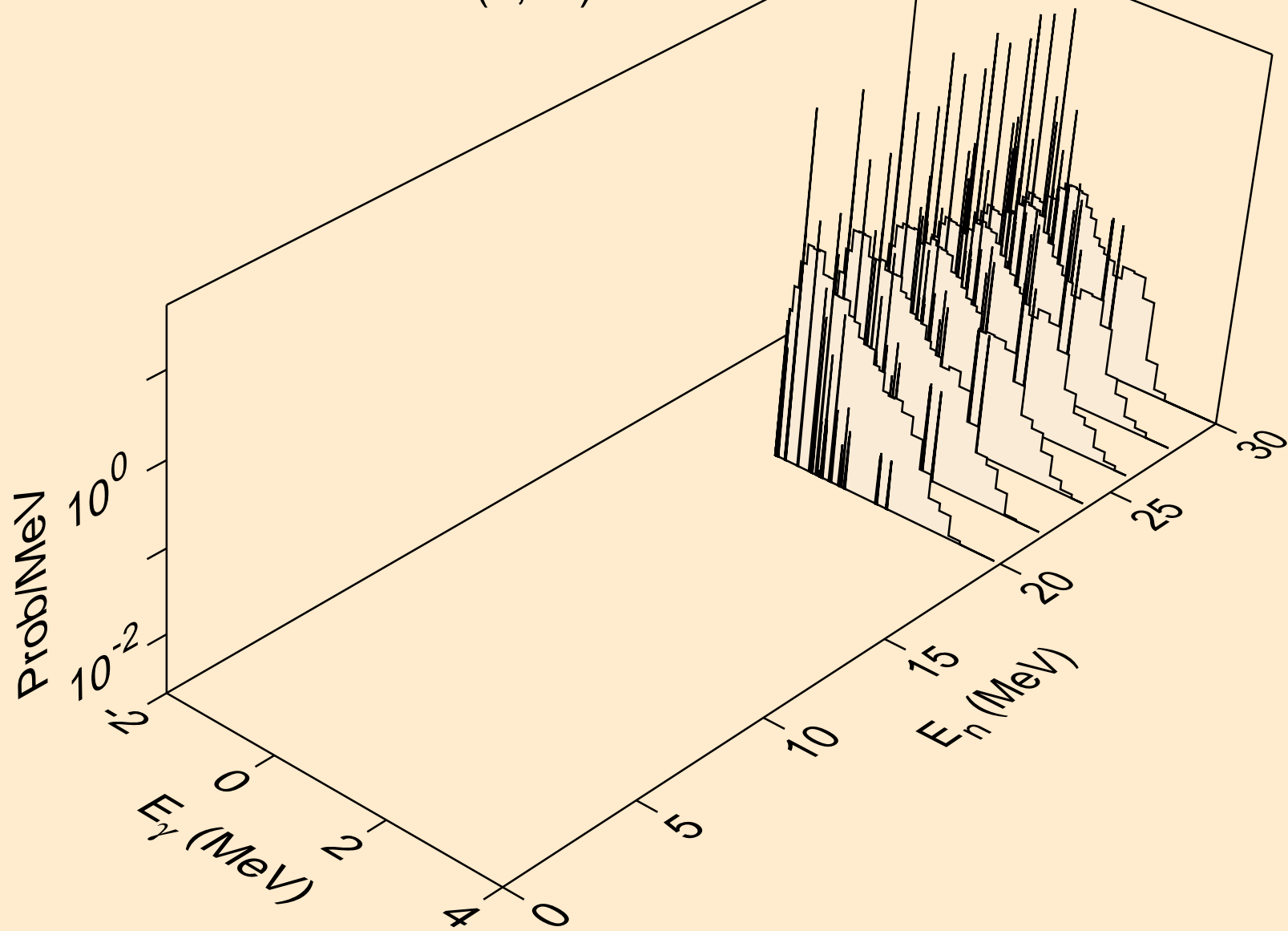
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



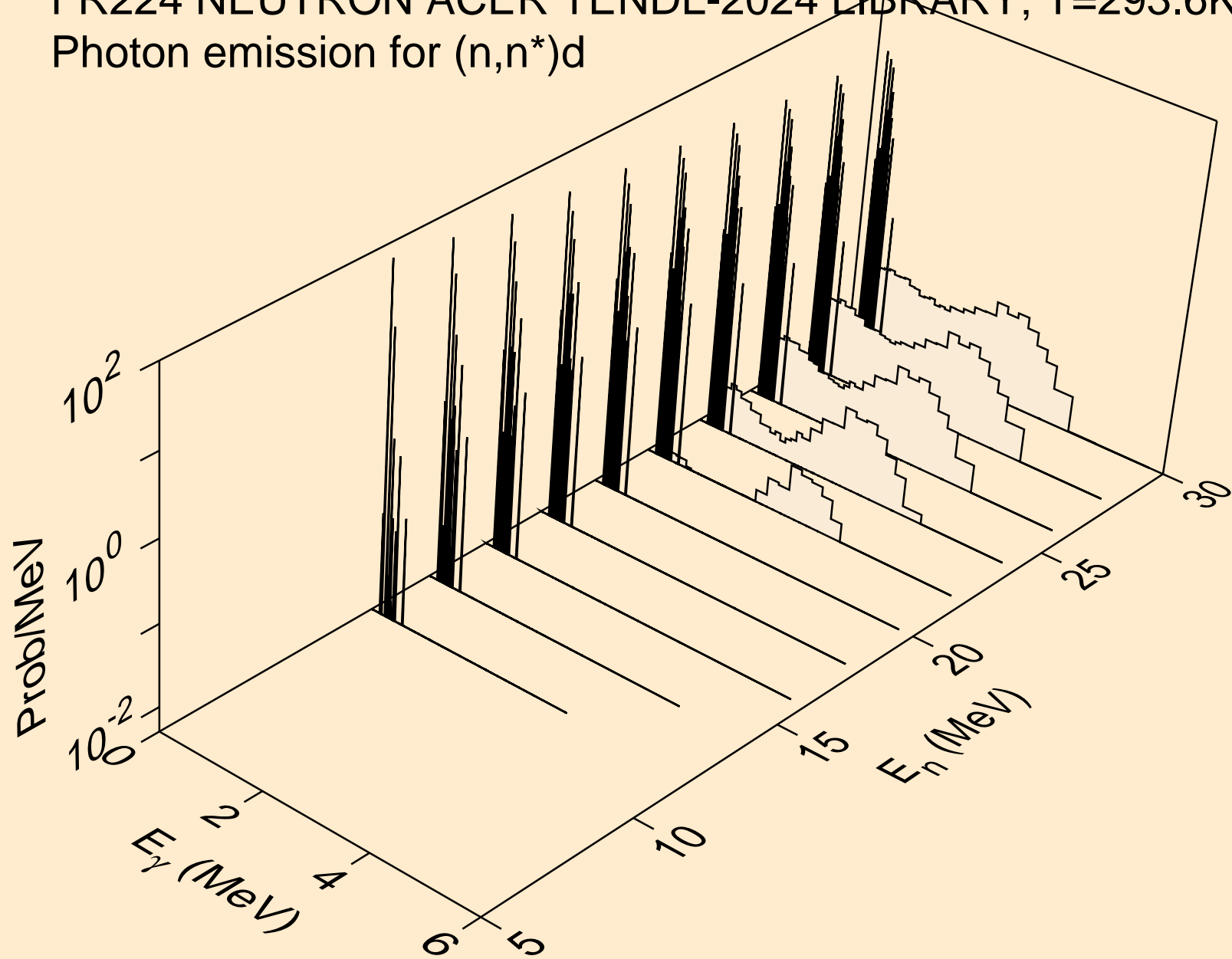
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



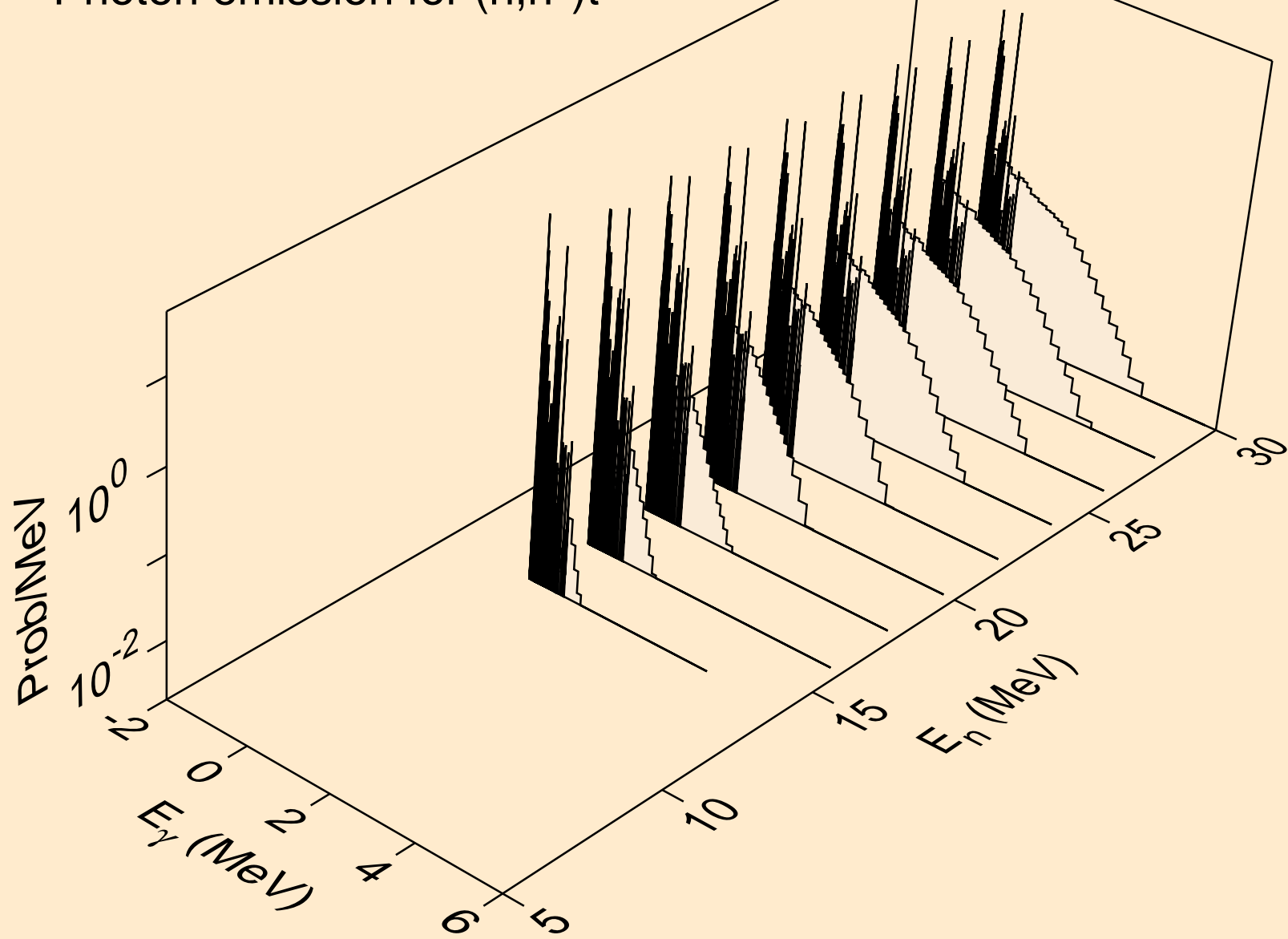
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



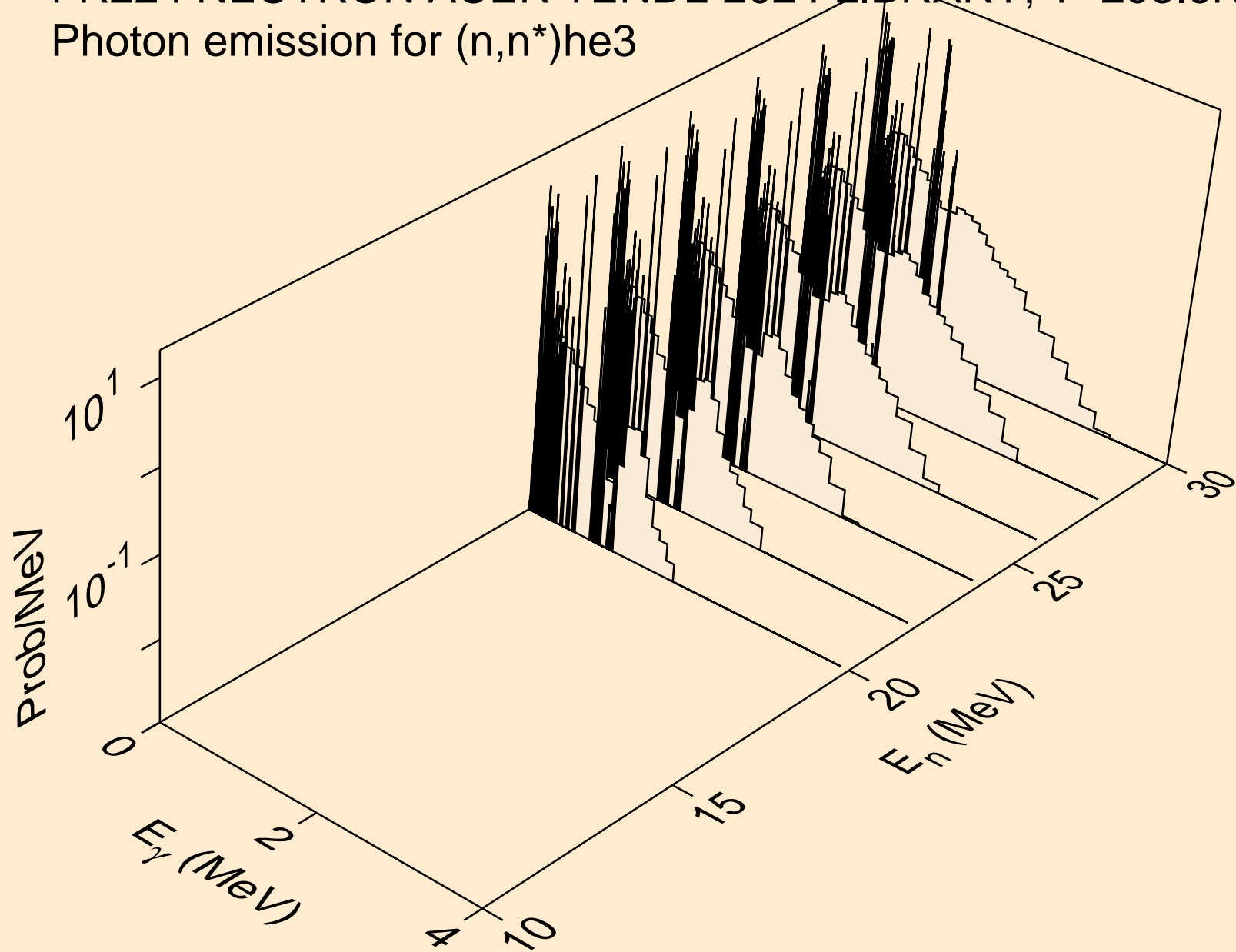
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



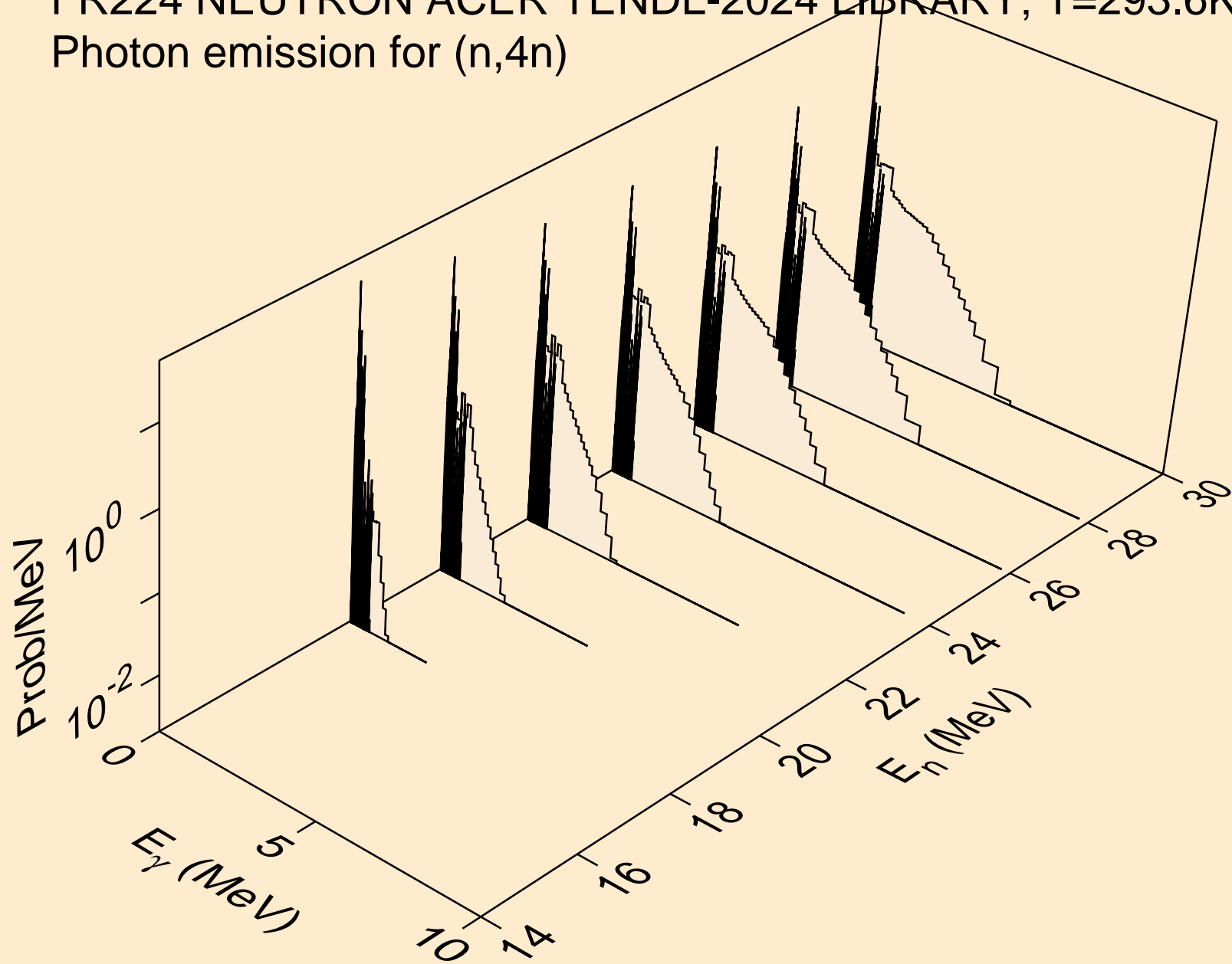
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



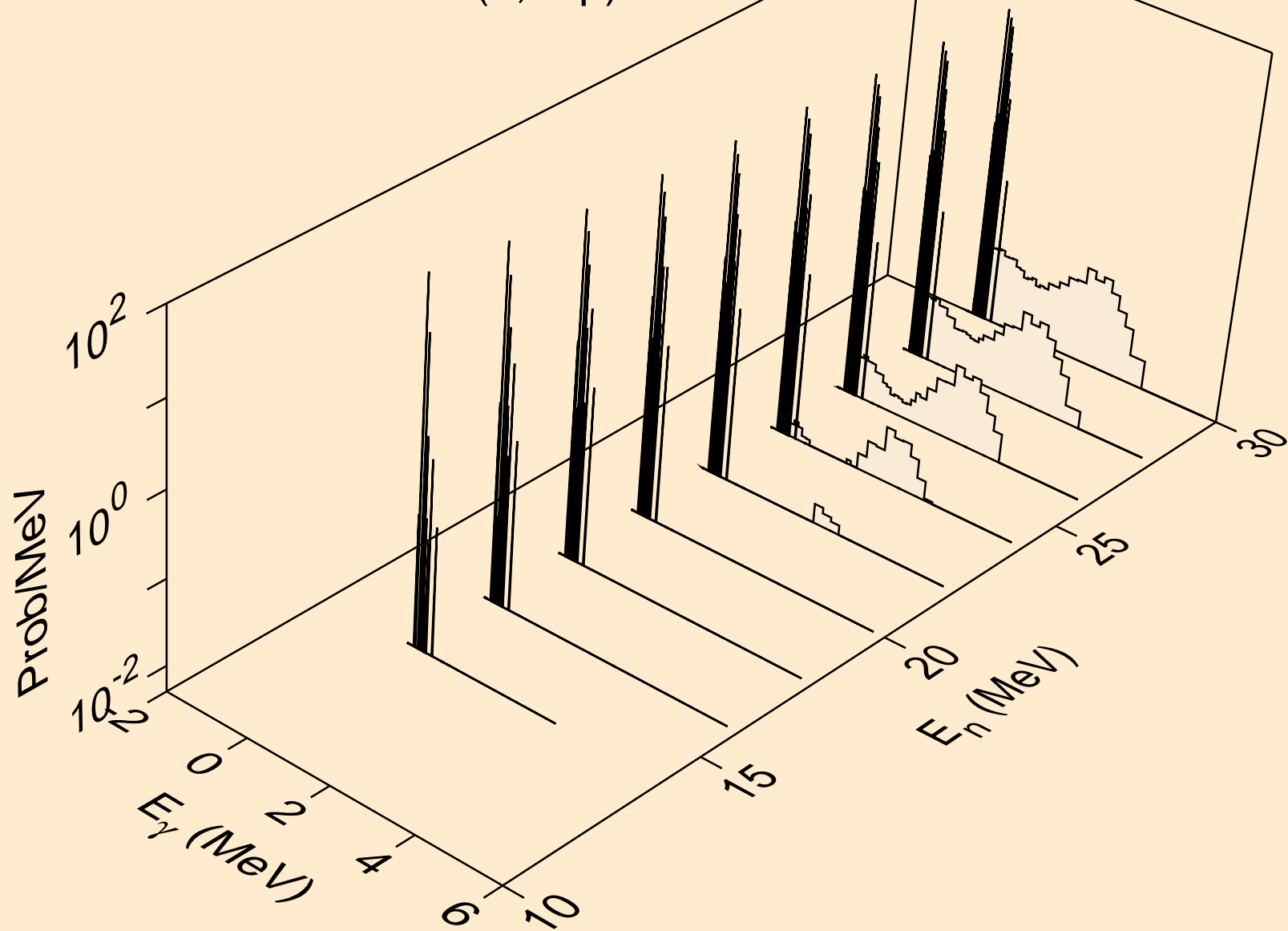
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



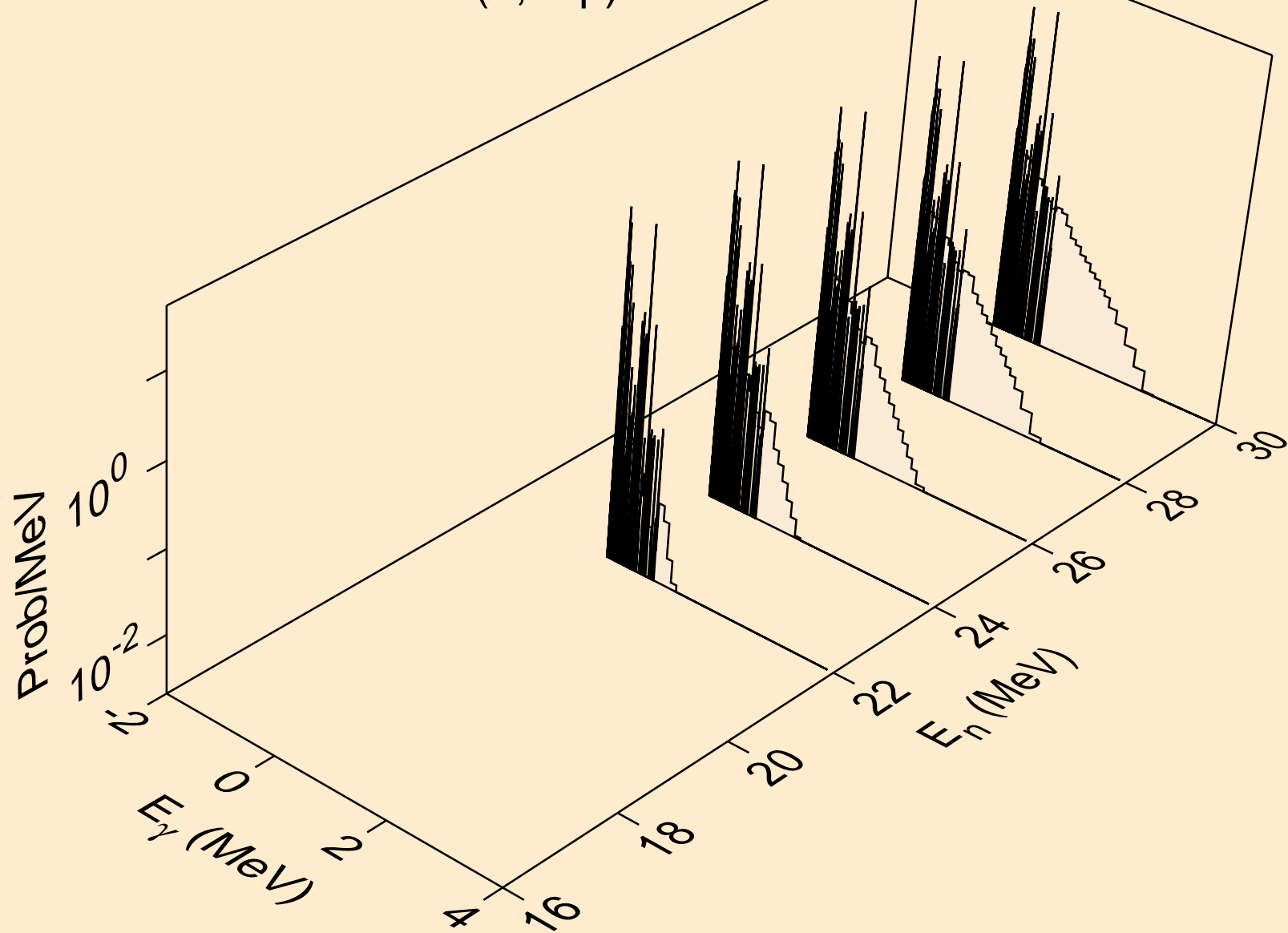
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



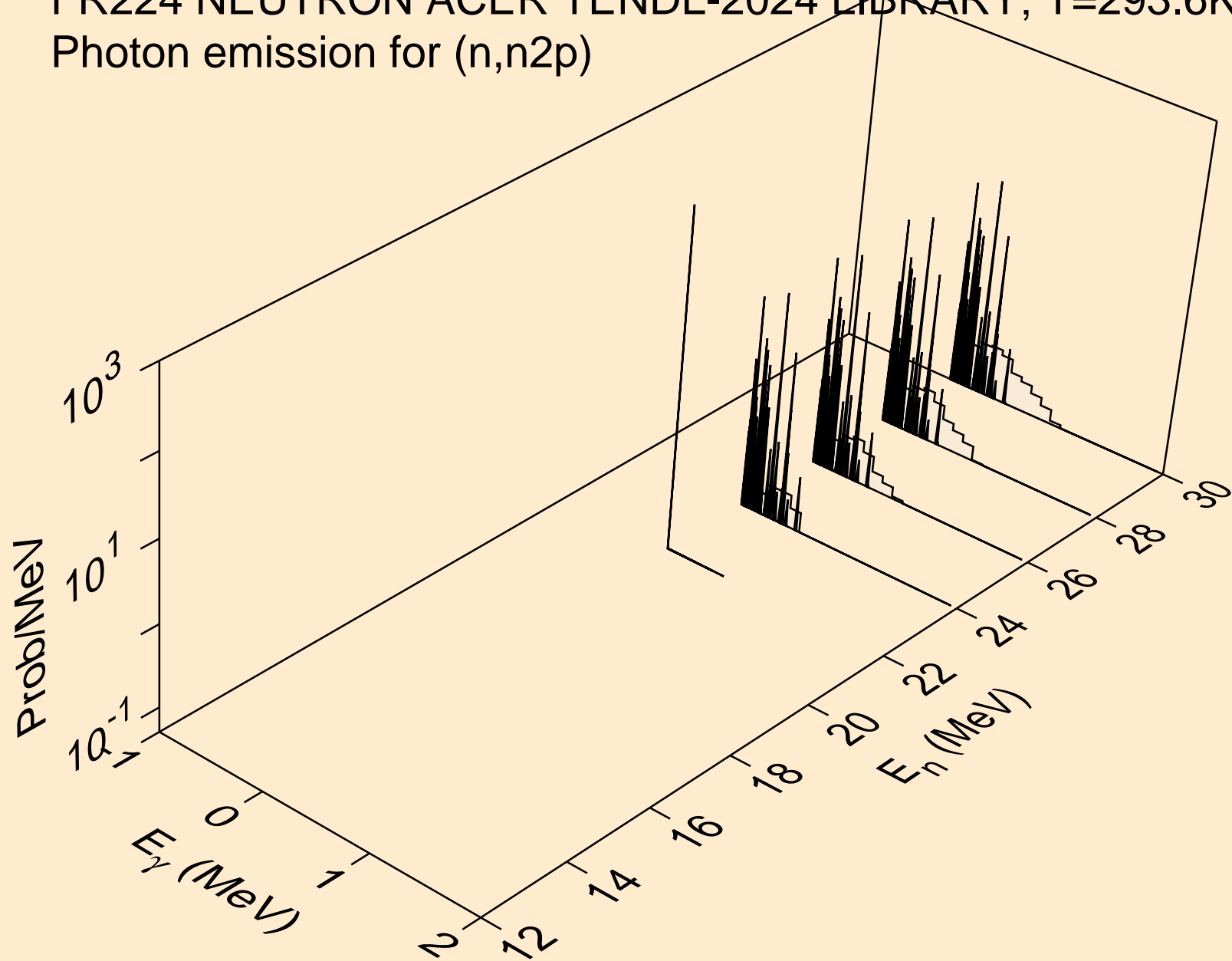
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



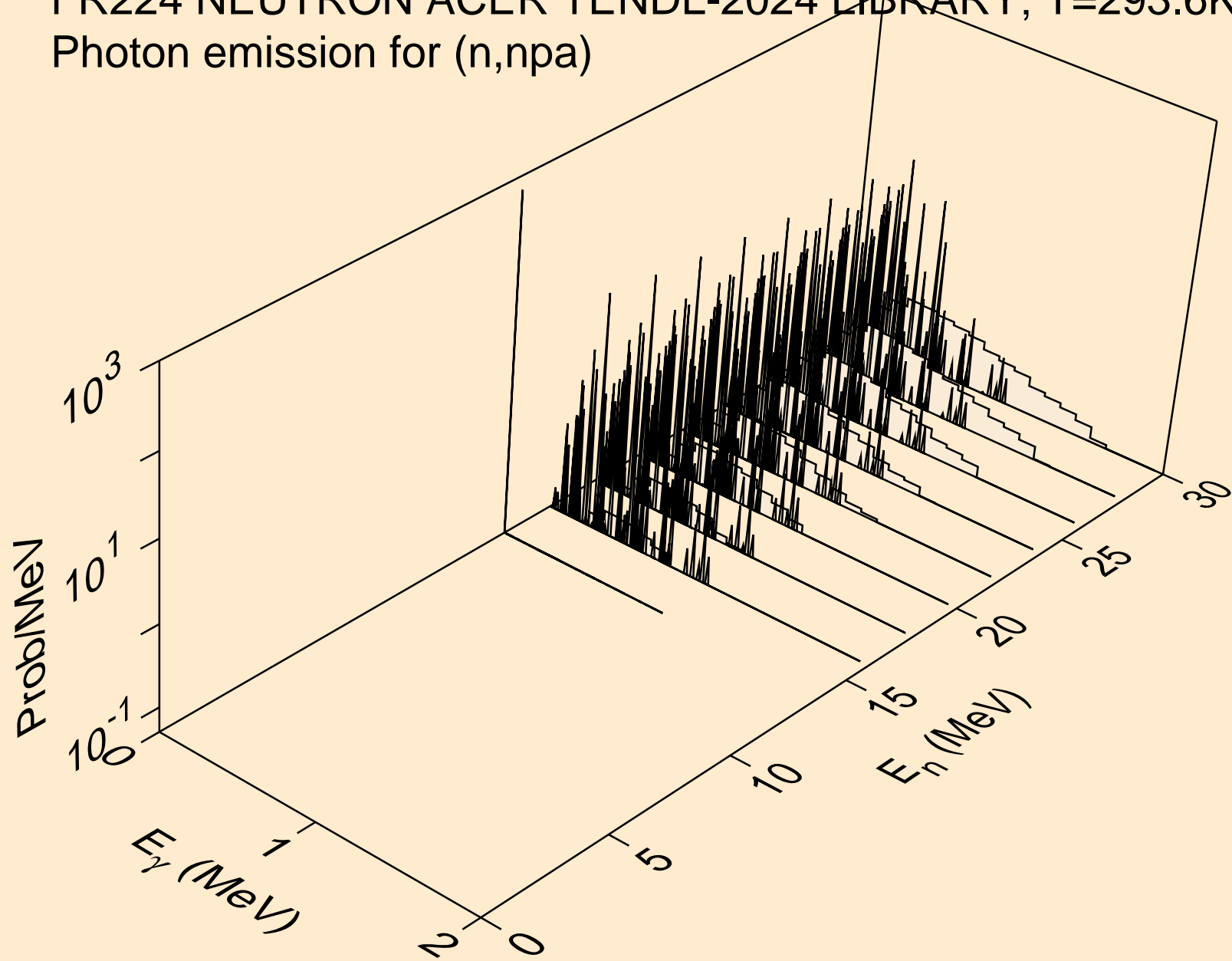
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Photon emission for (n,3np)



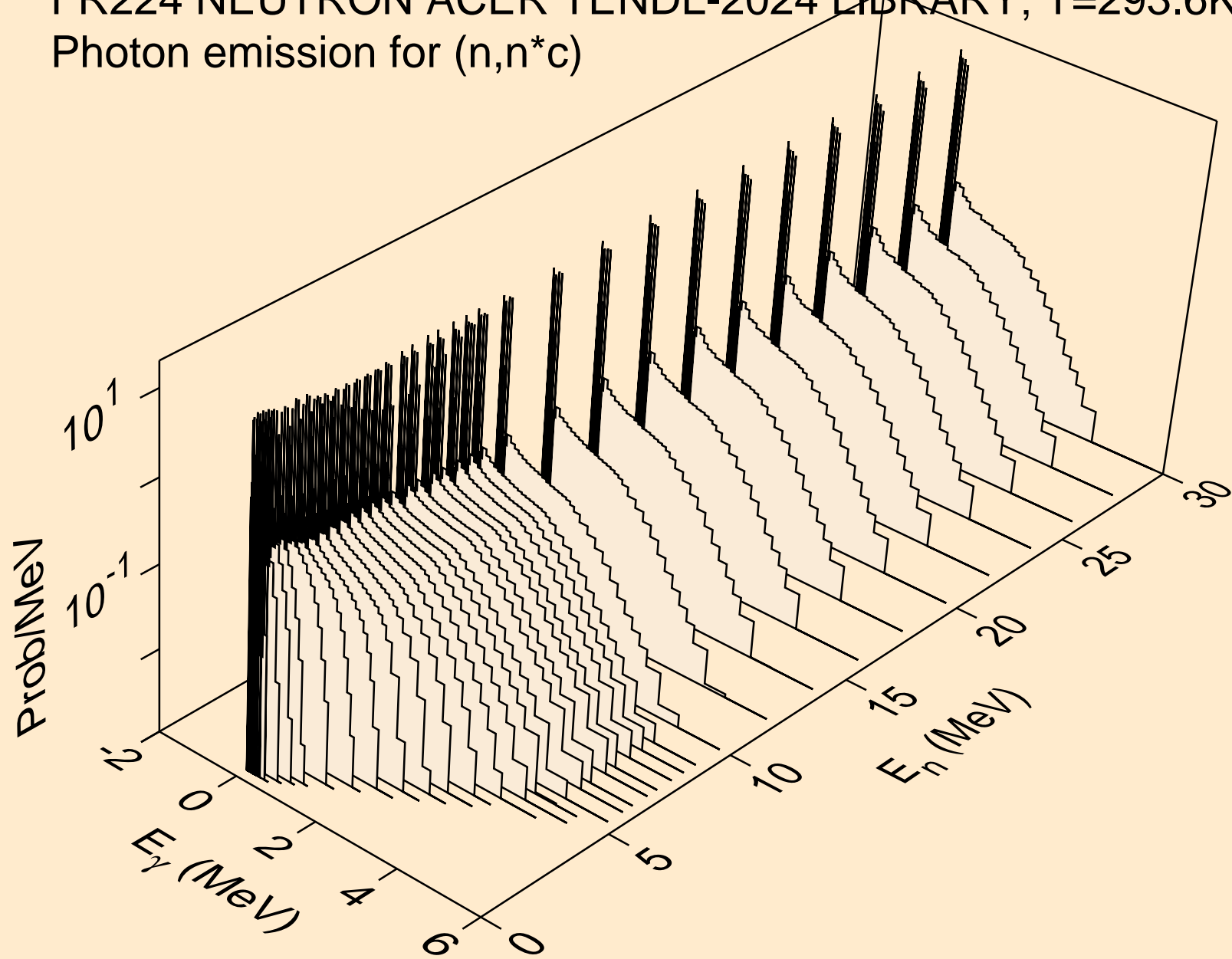
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



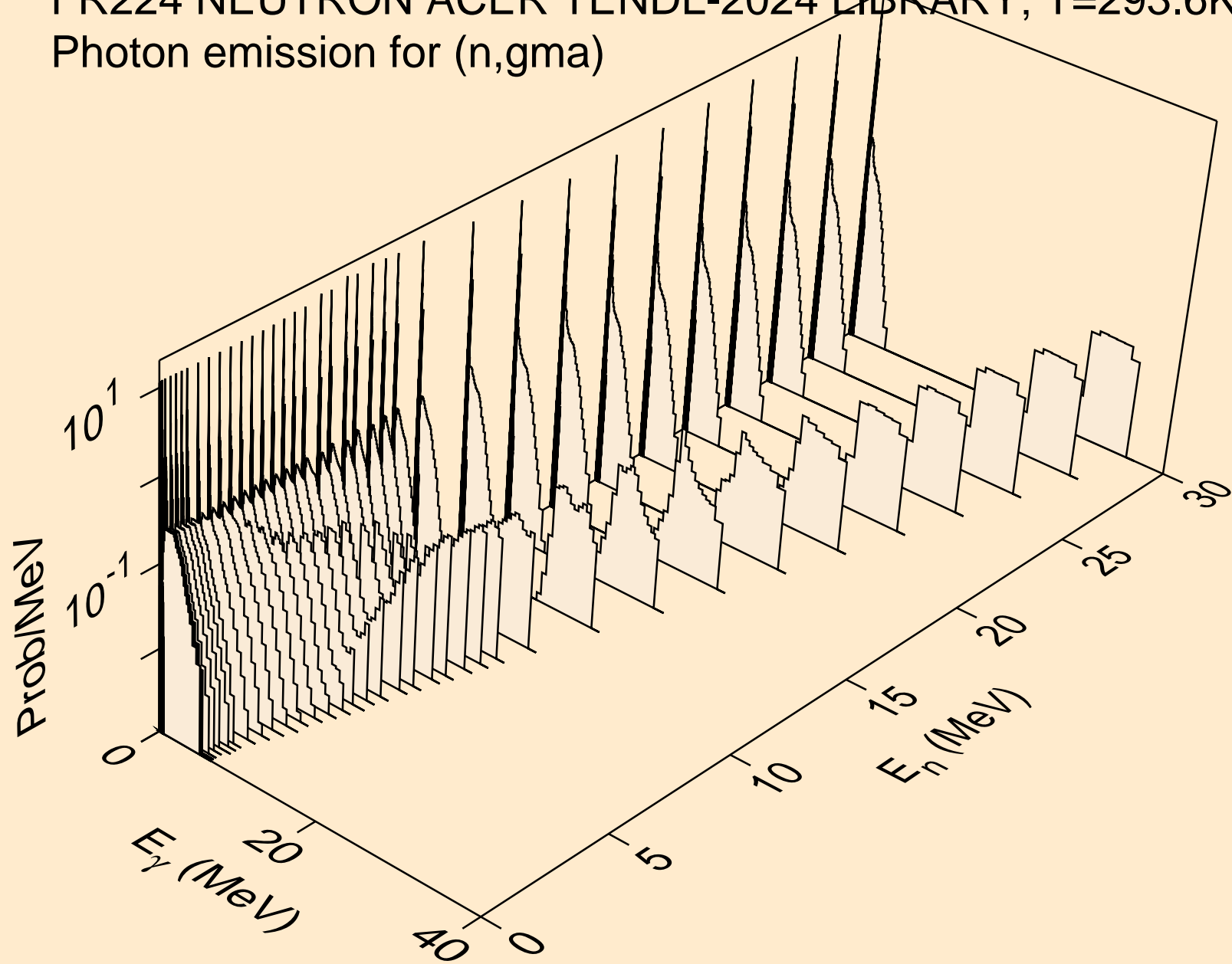
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



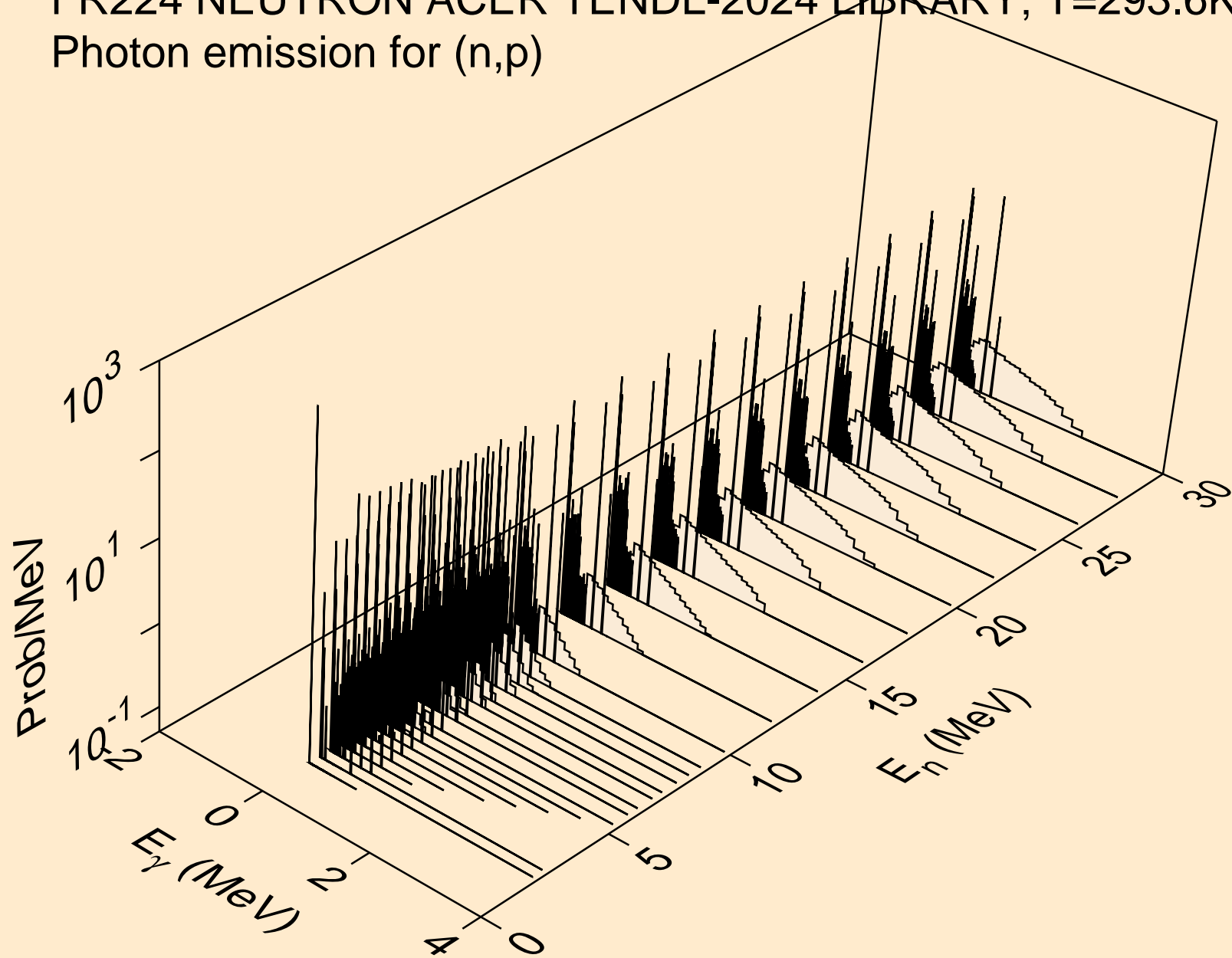
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



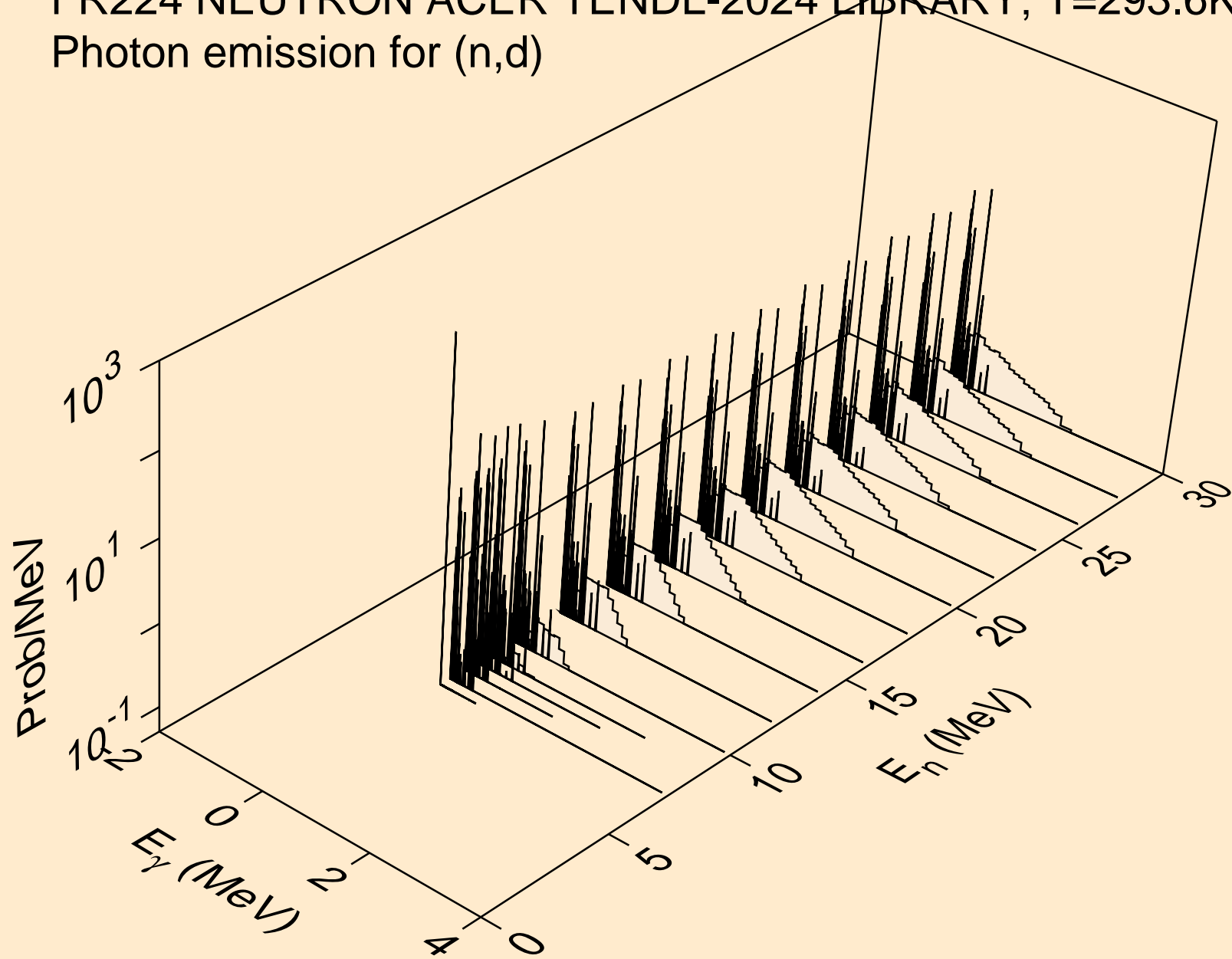
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



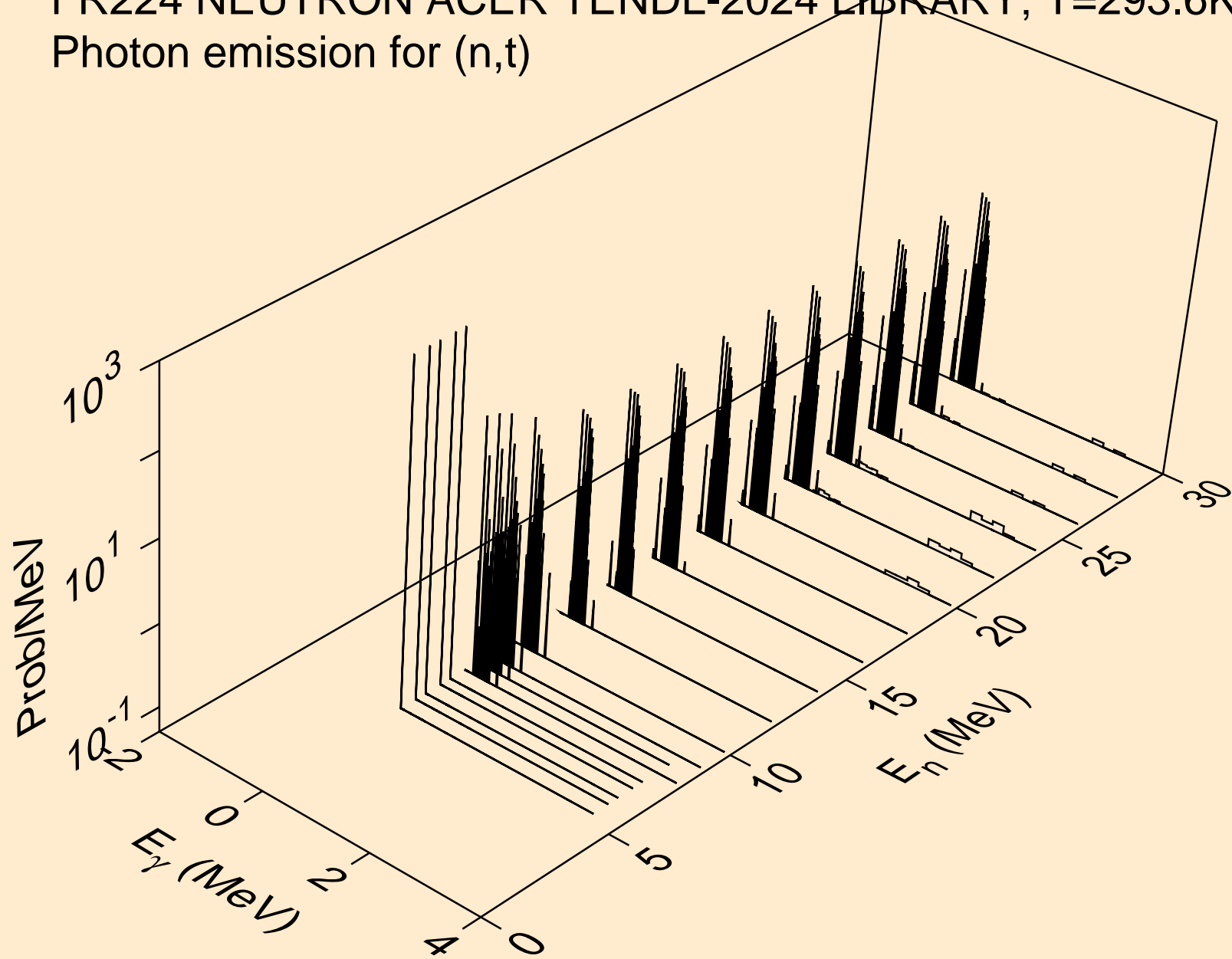
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



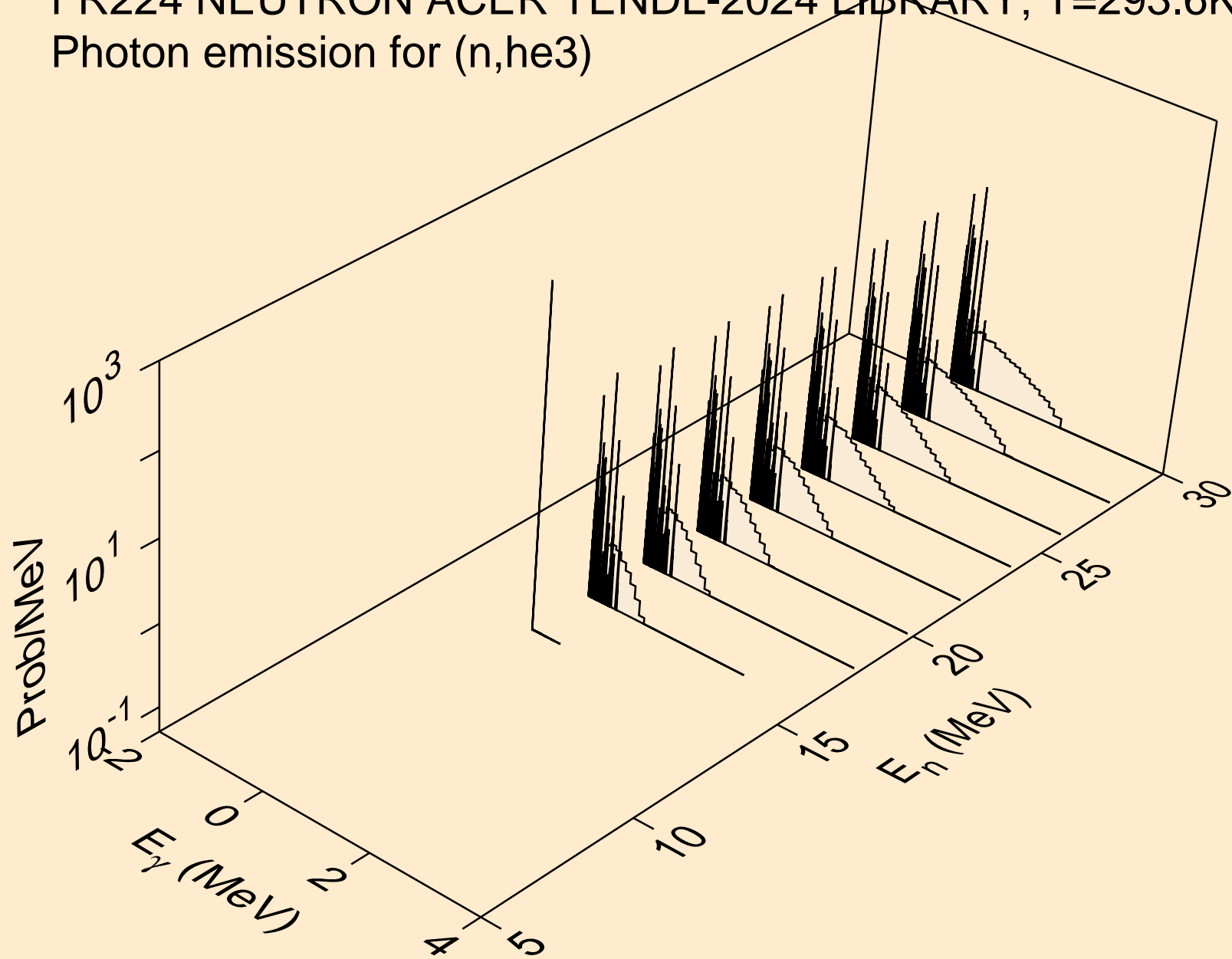
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



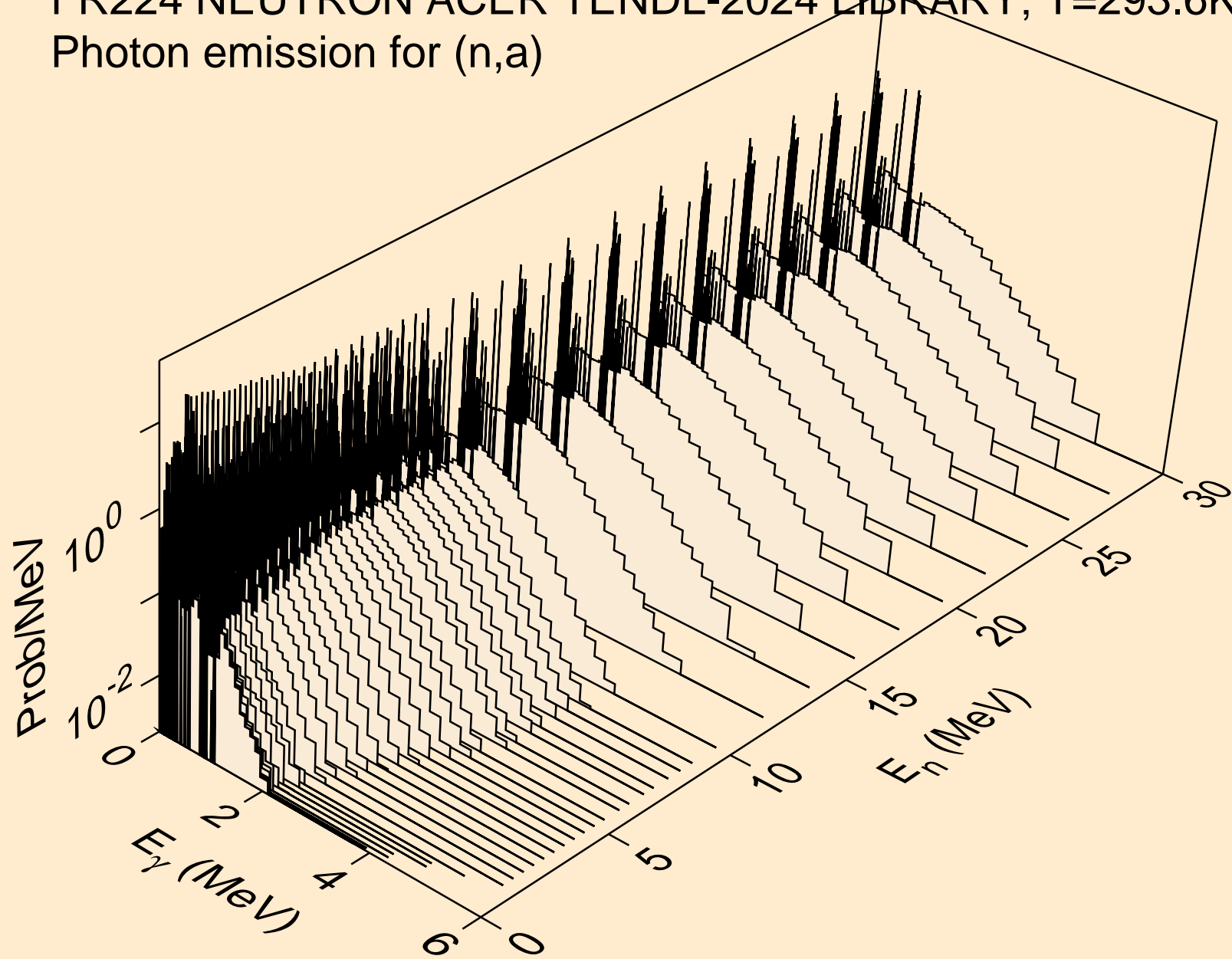
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Photon emission for (n,t)



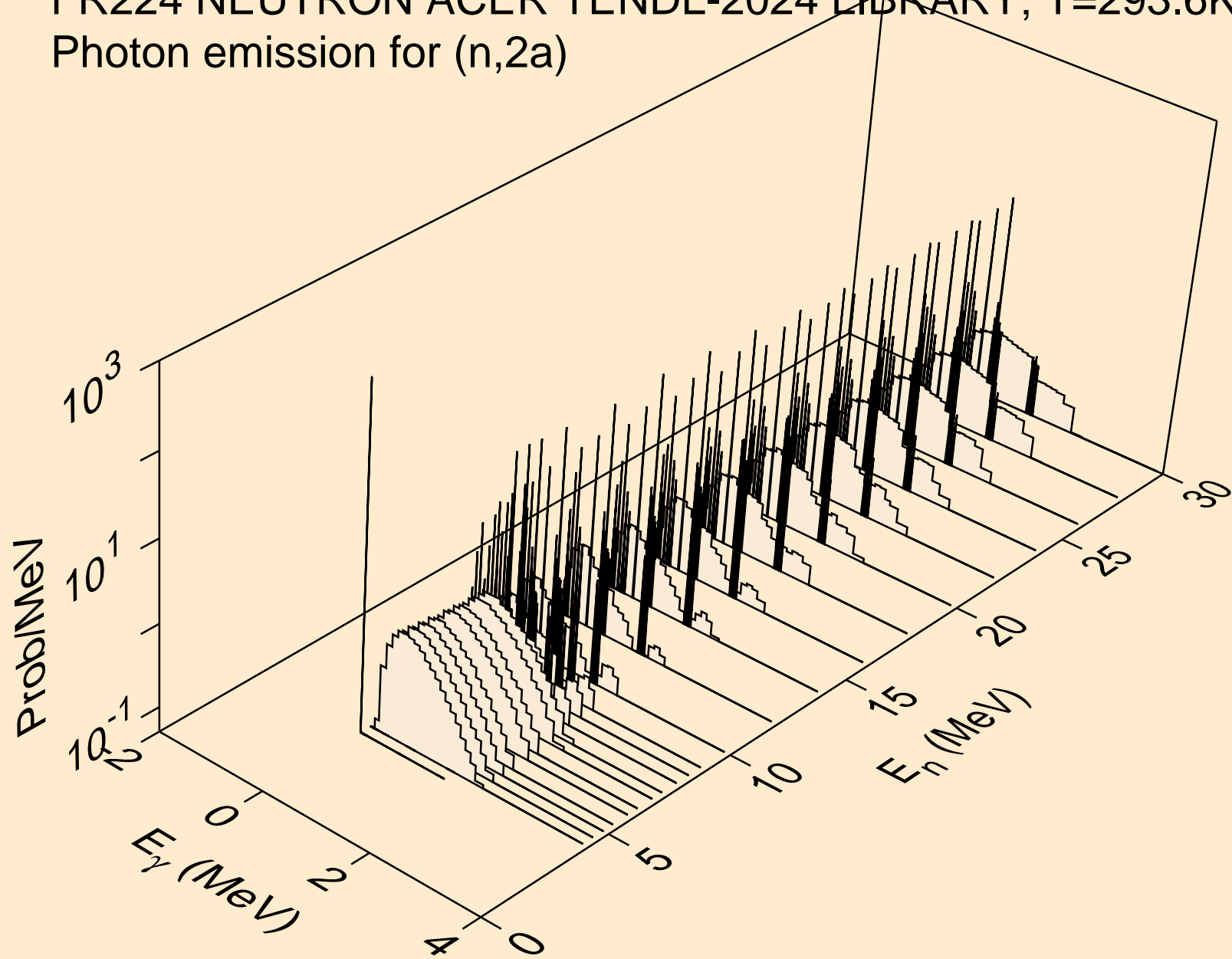
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



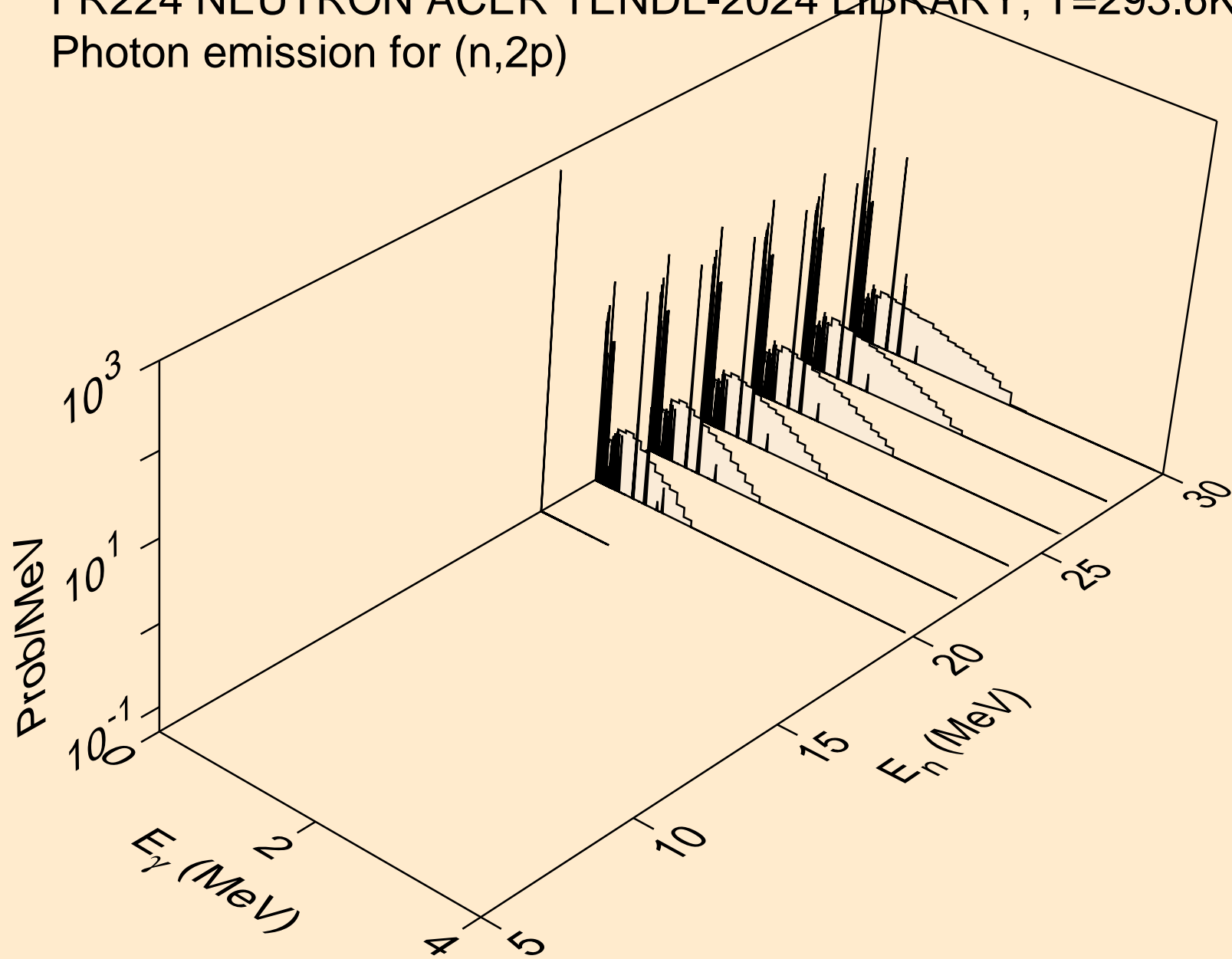
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



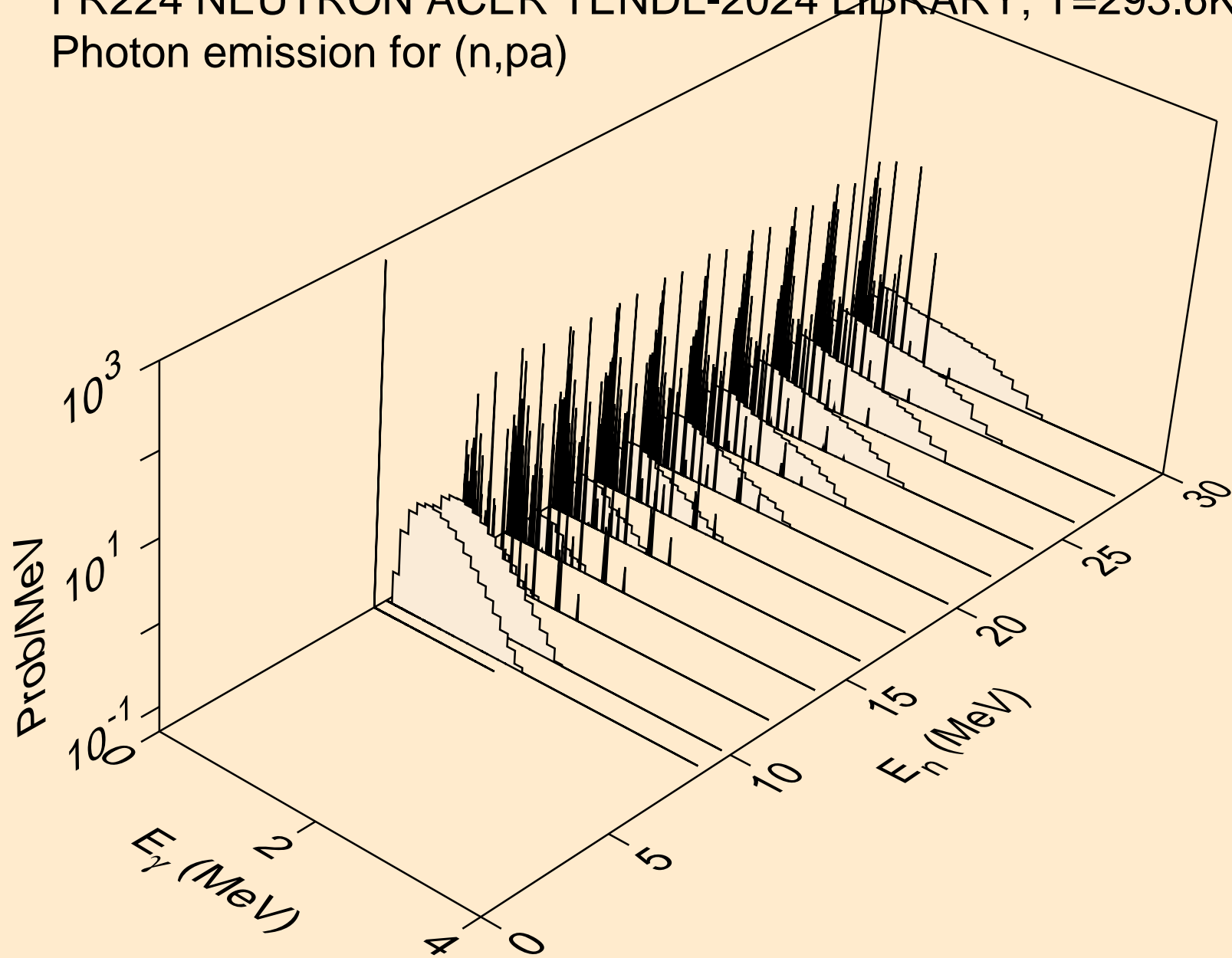
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Photon emission for (n,2a)



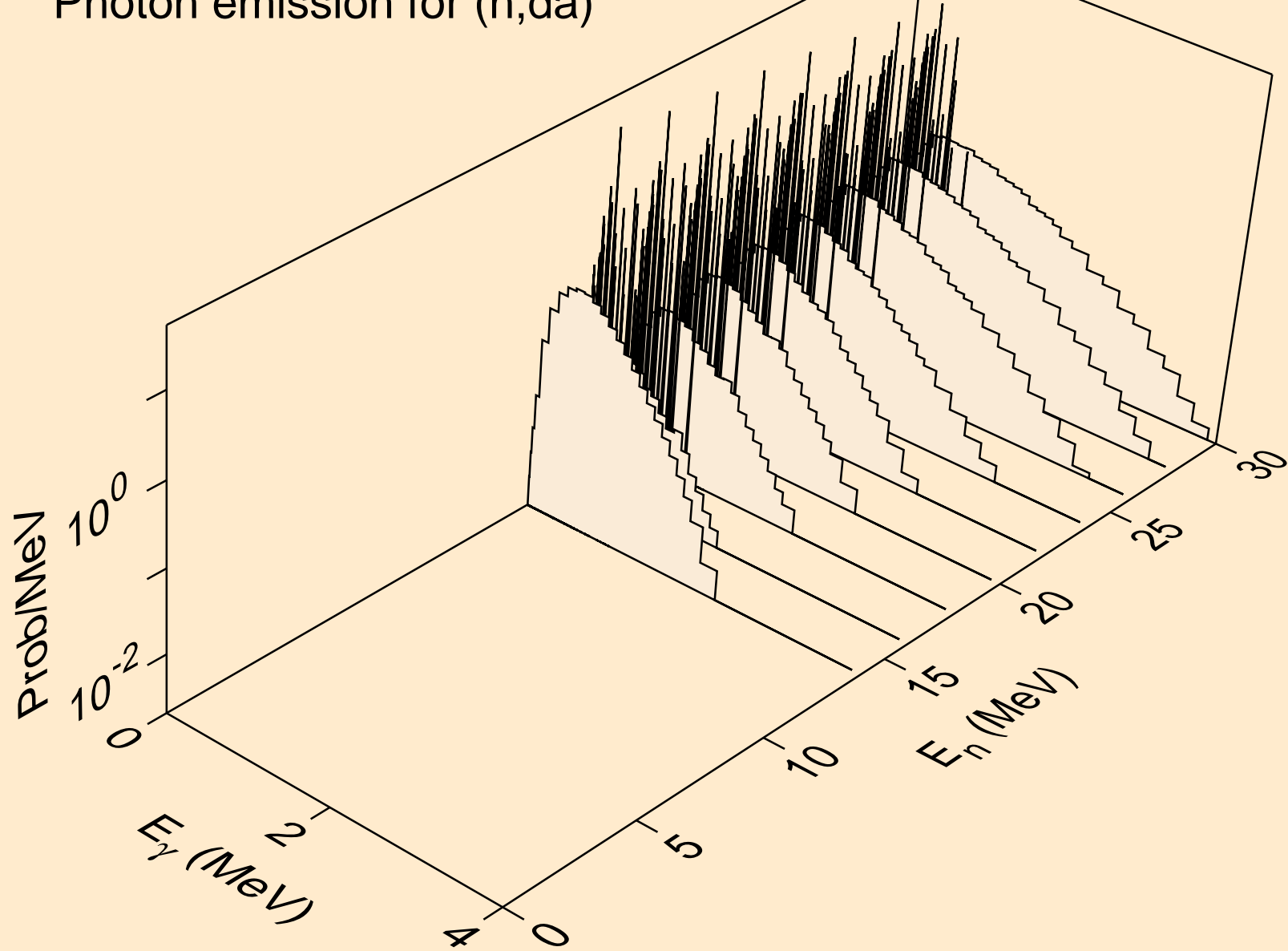
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Photon emission for (n,2p)



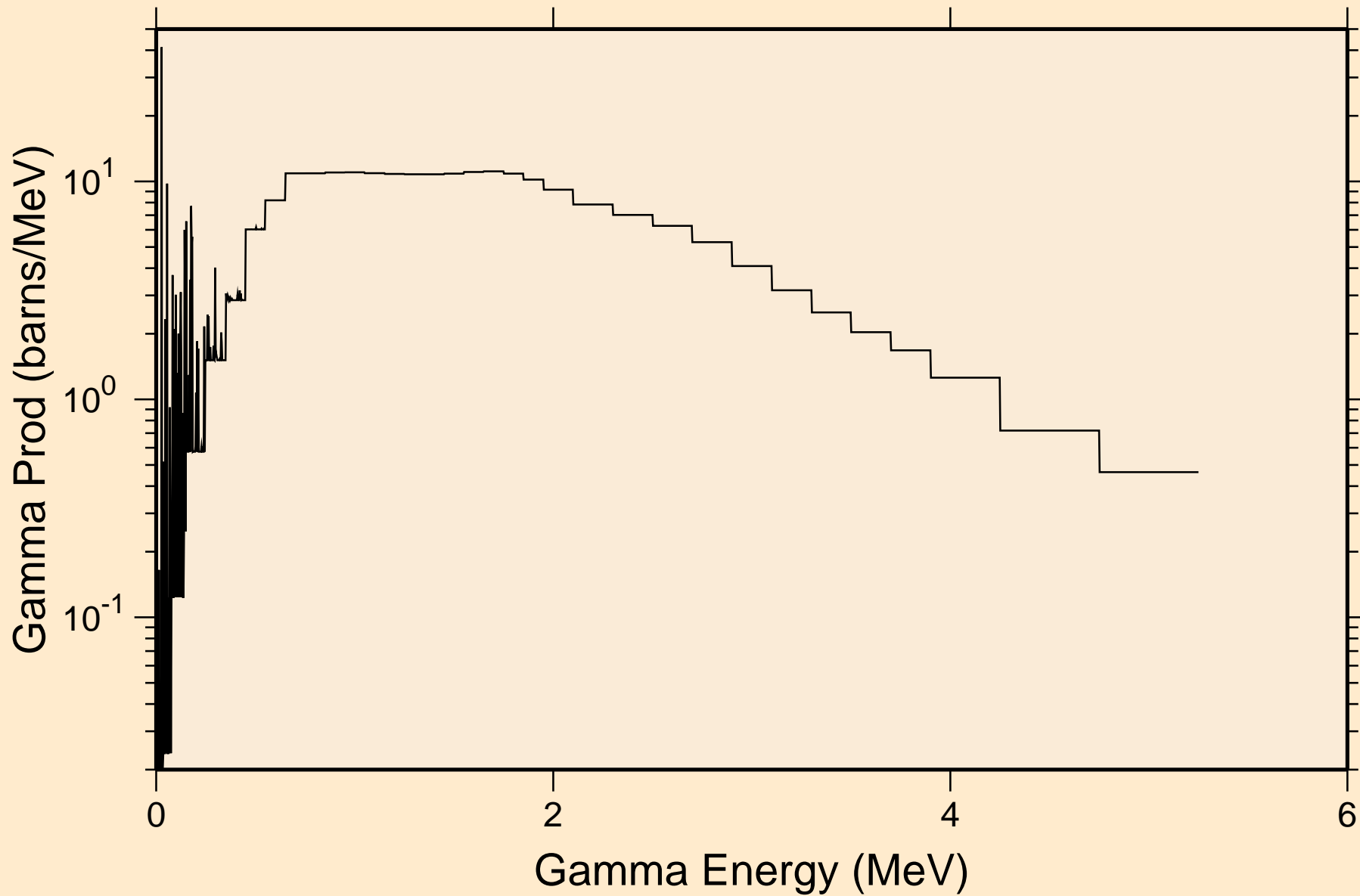
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Photon emission for (n,p $\alpha$ )



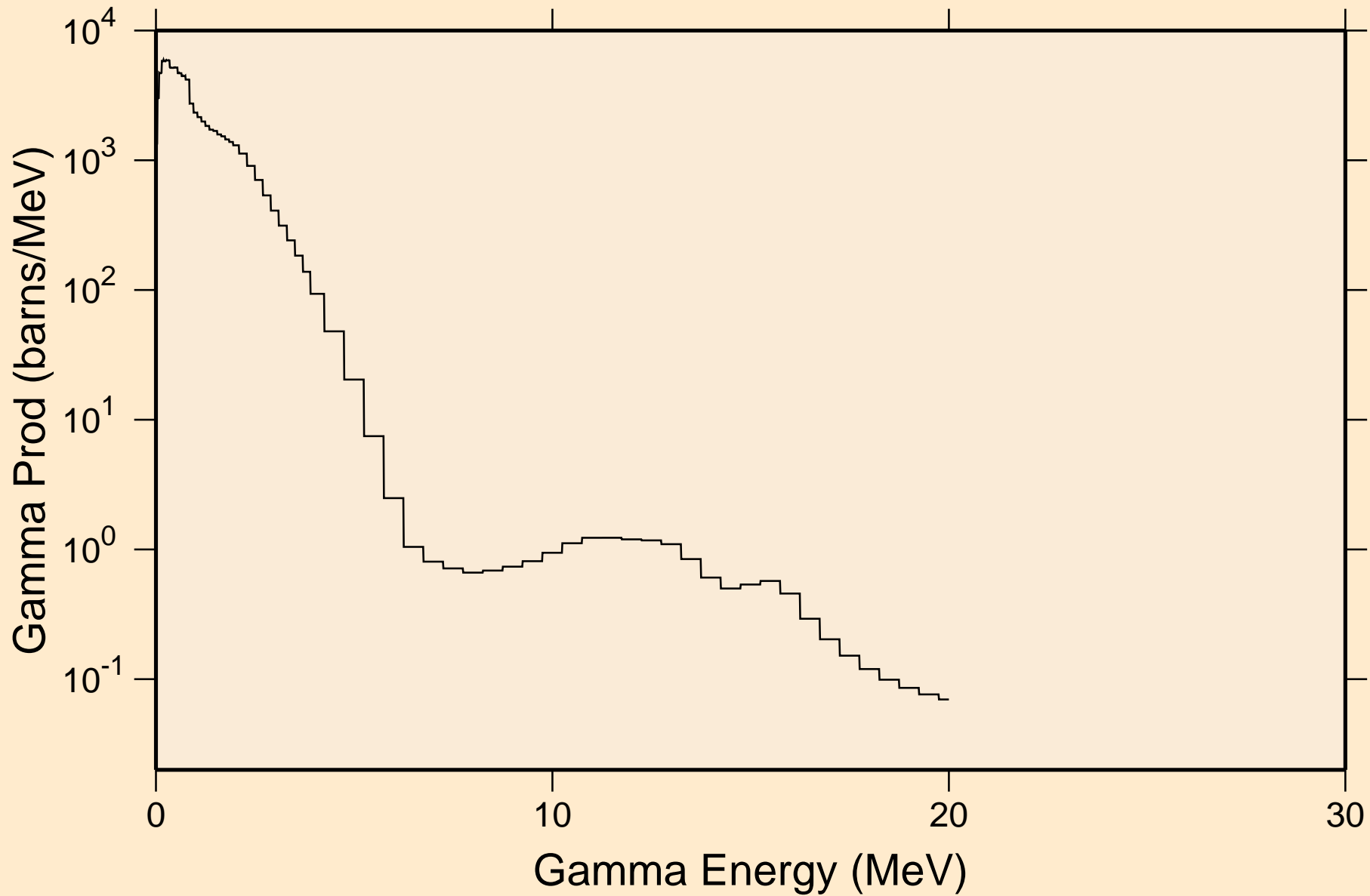
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



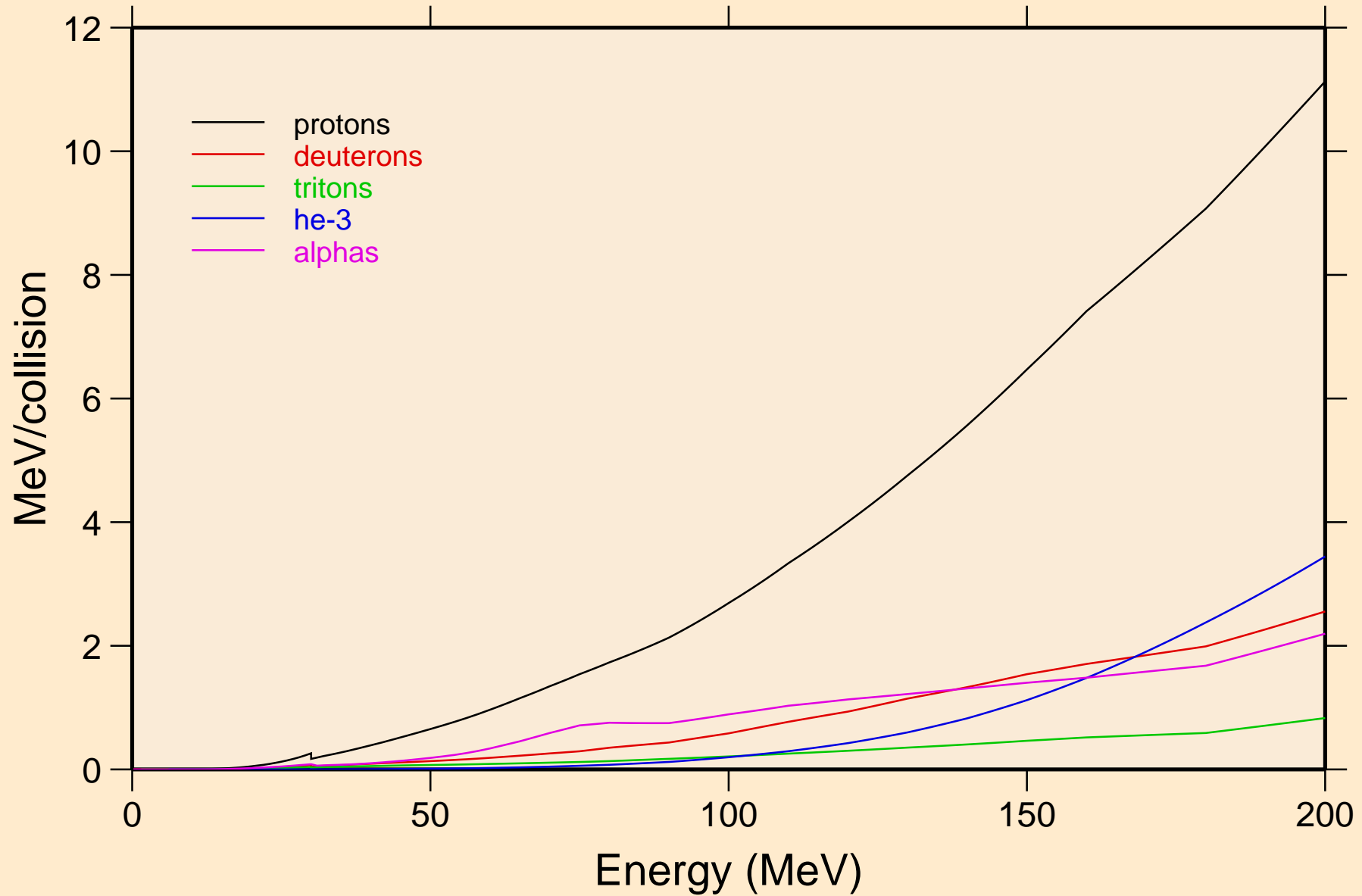
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



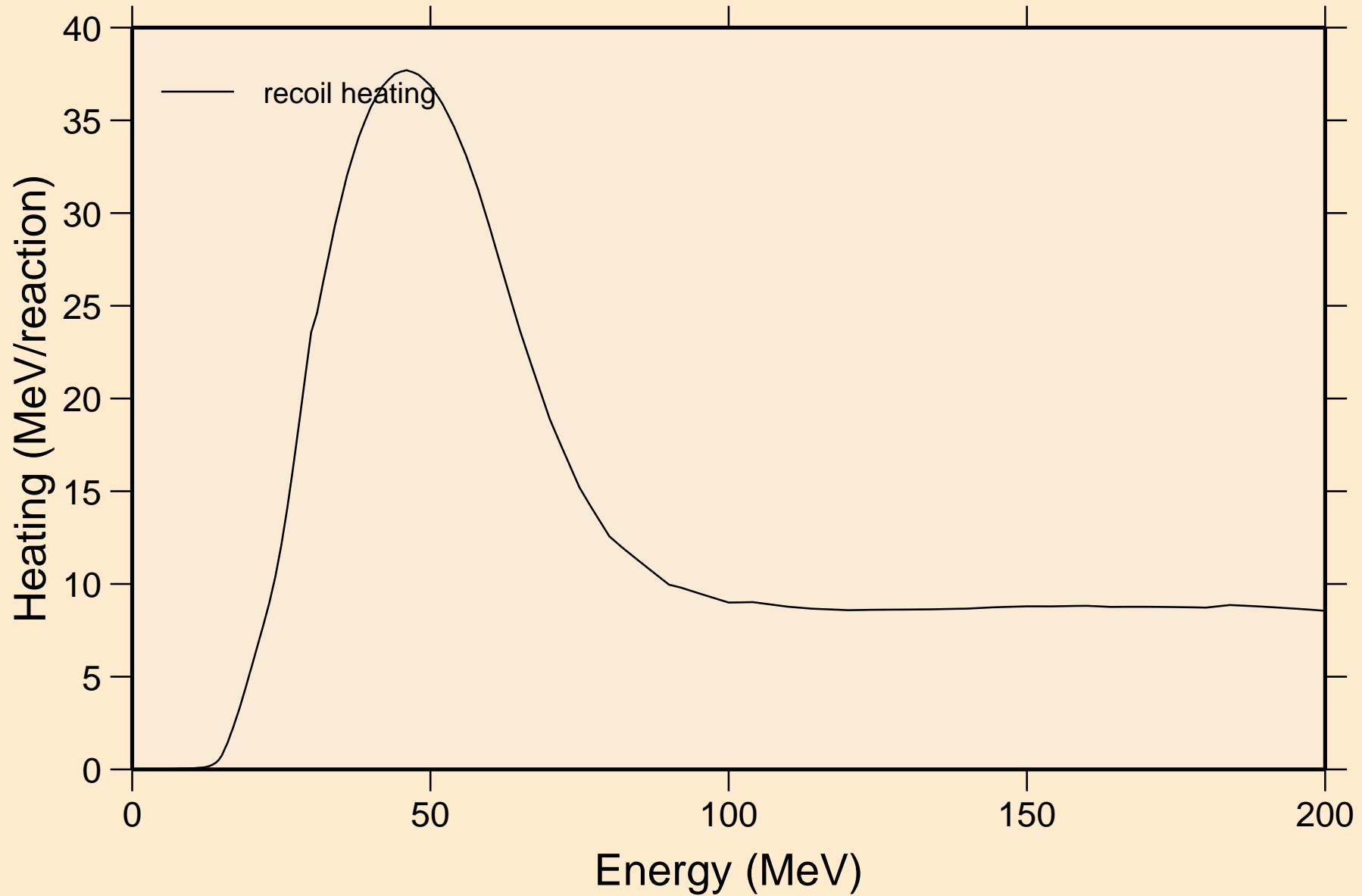
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14 MeV photon spectrum



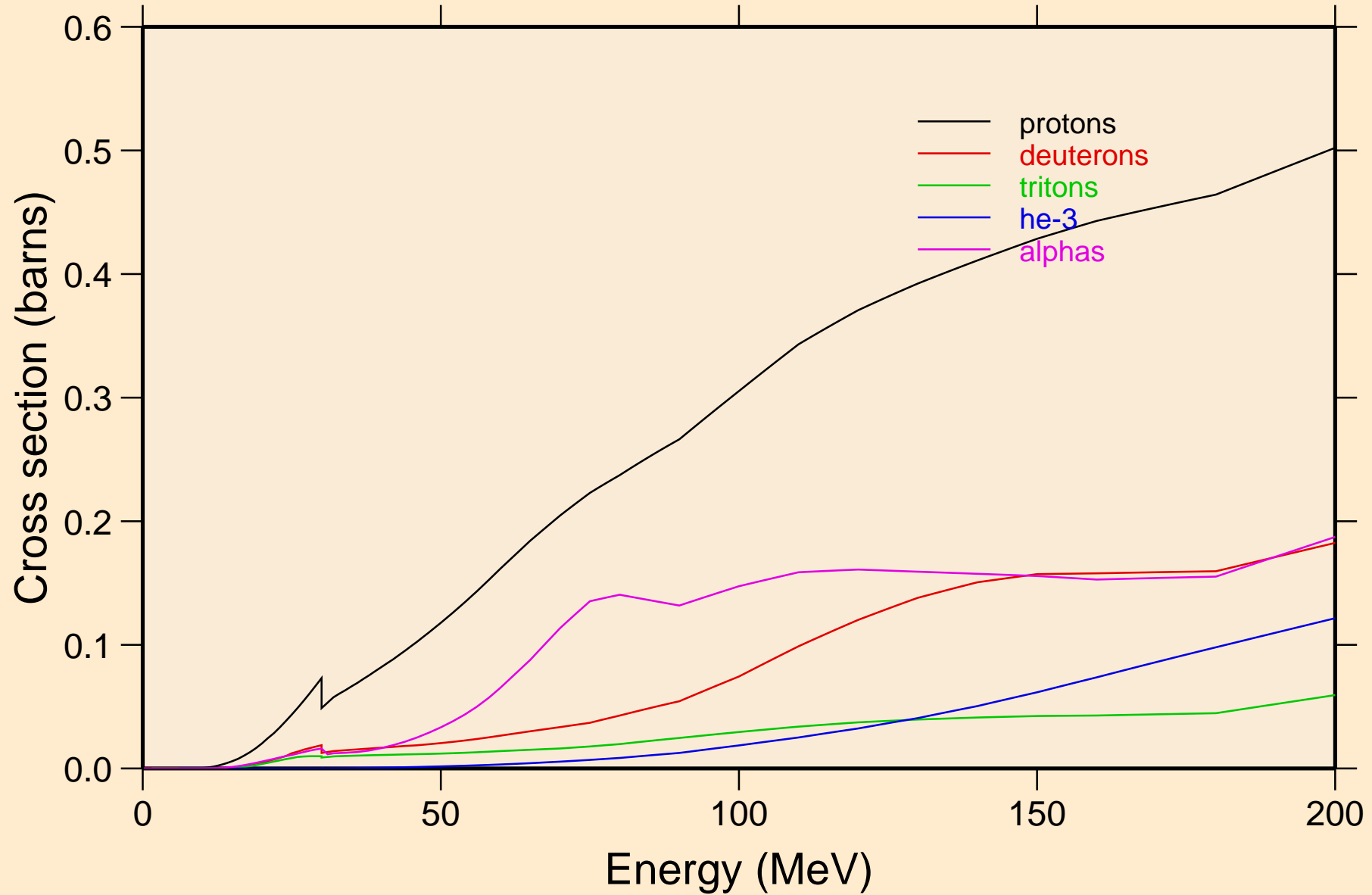
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Particle heating contributions



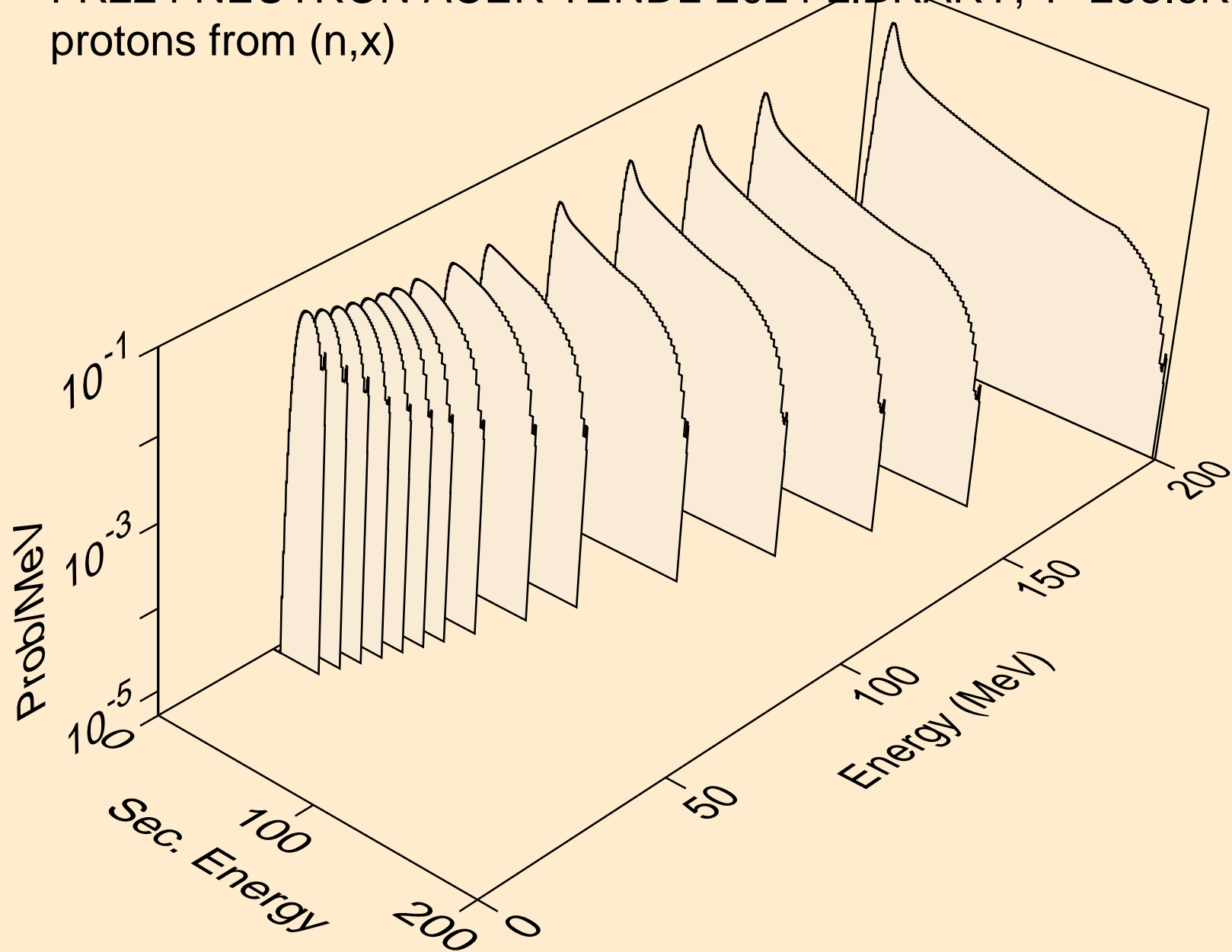
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Recoil Heating



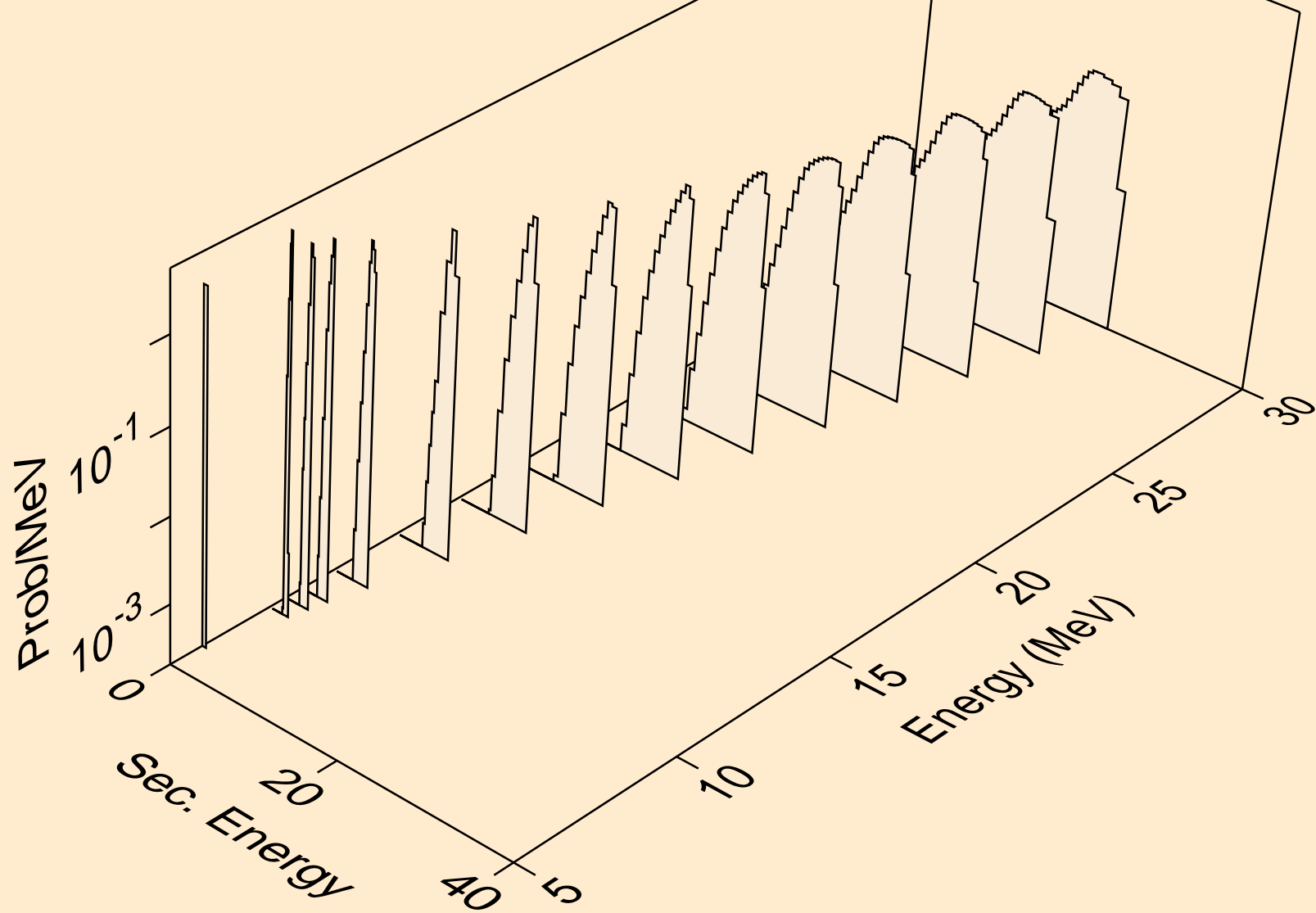
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Particle production cross sections



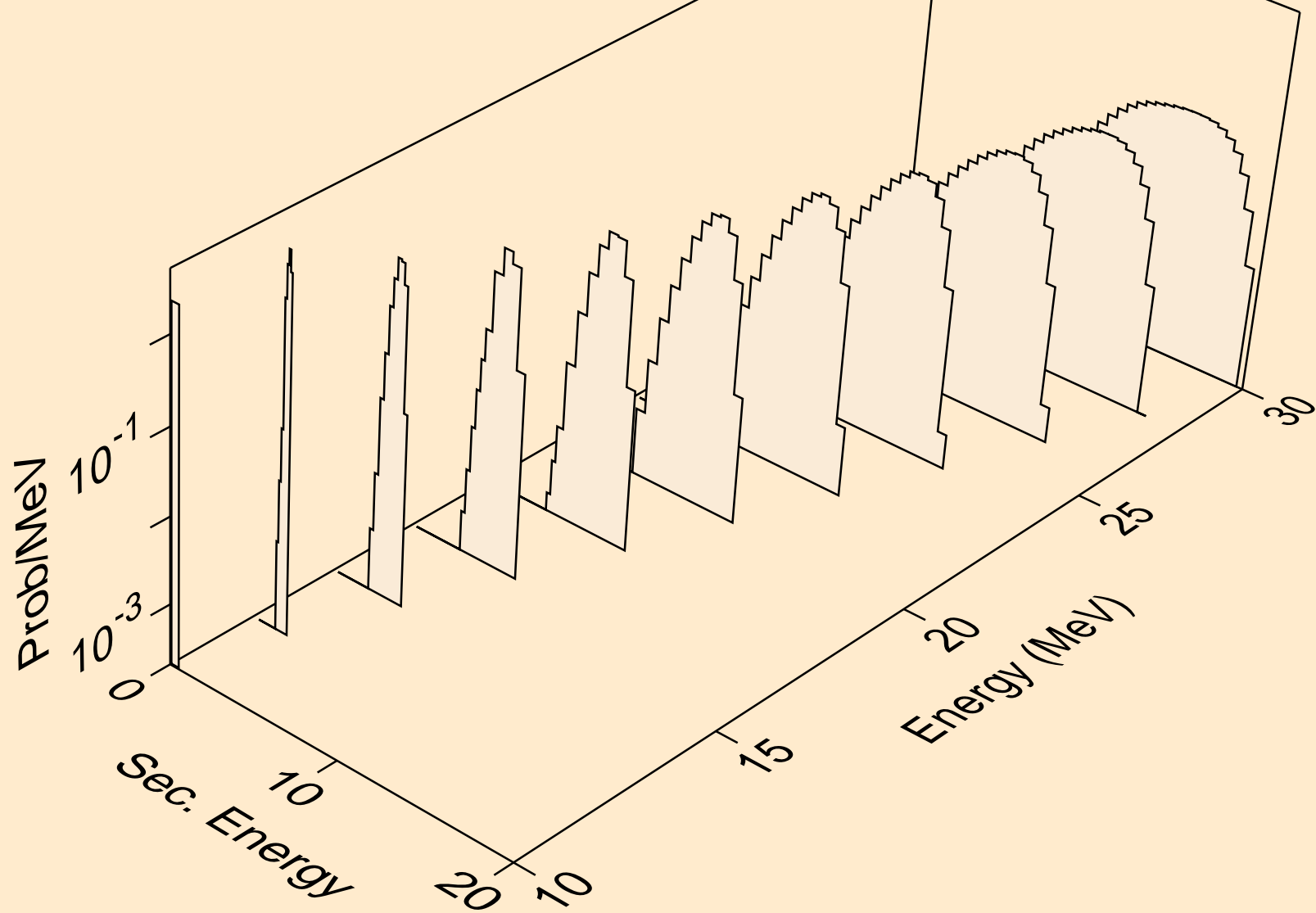
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



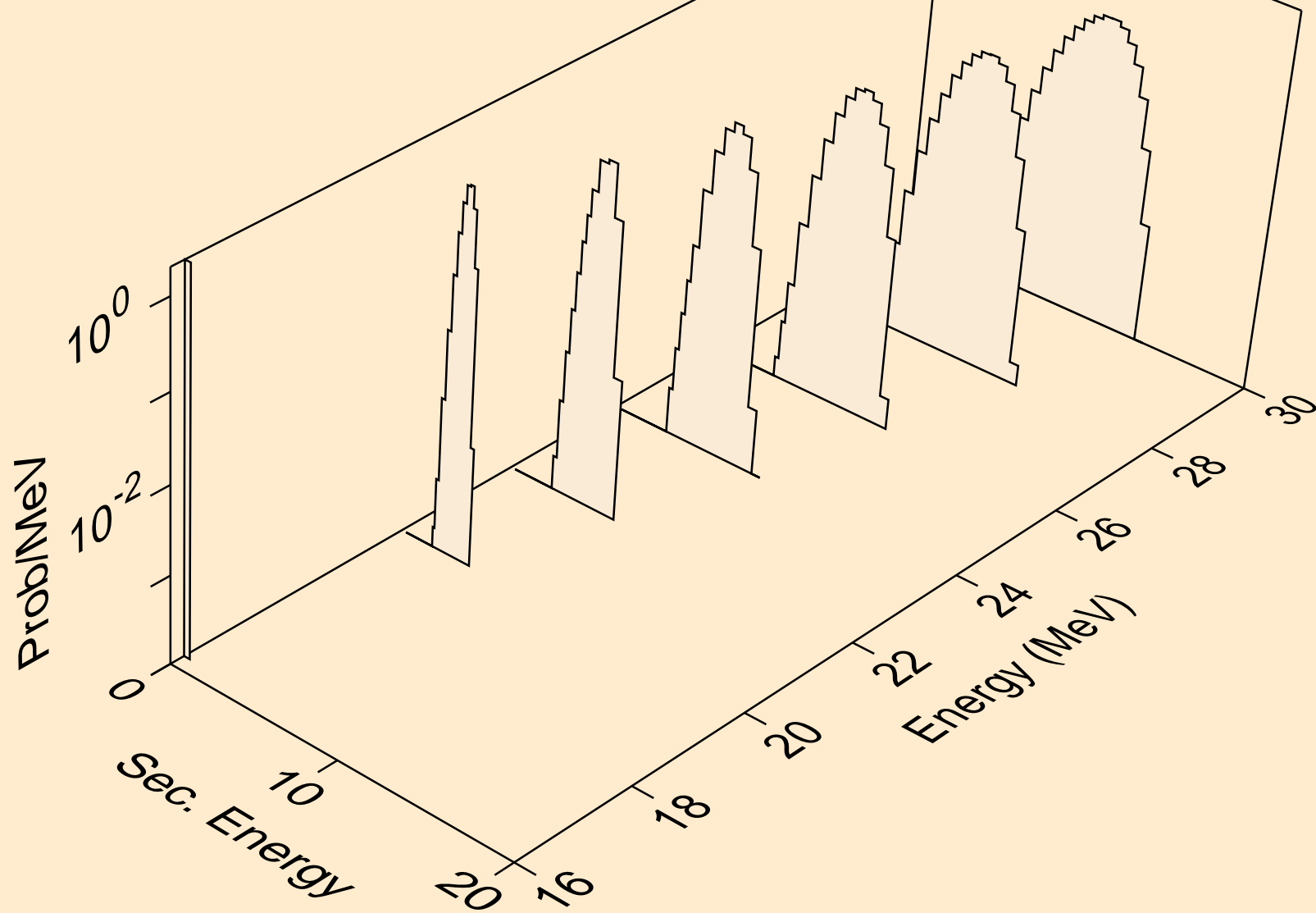
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protons from (n,n\*)p



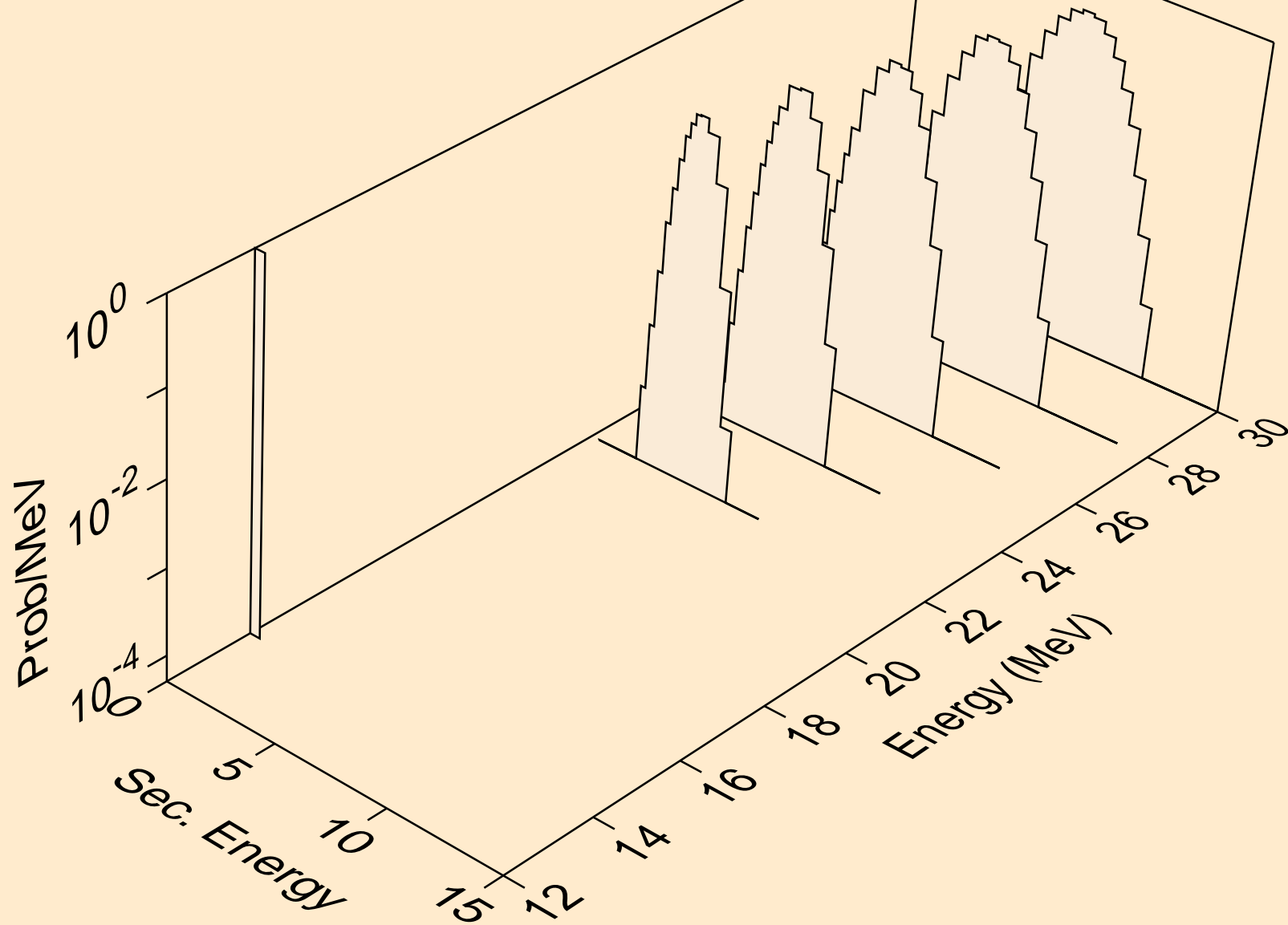
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protons from (n,2np)



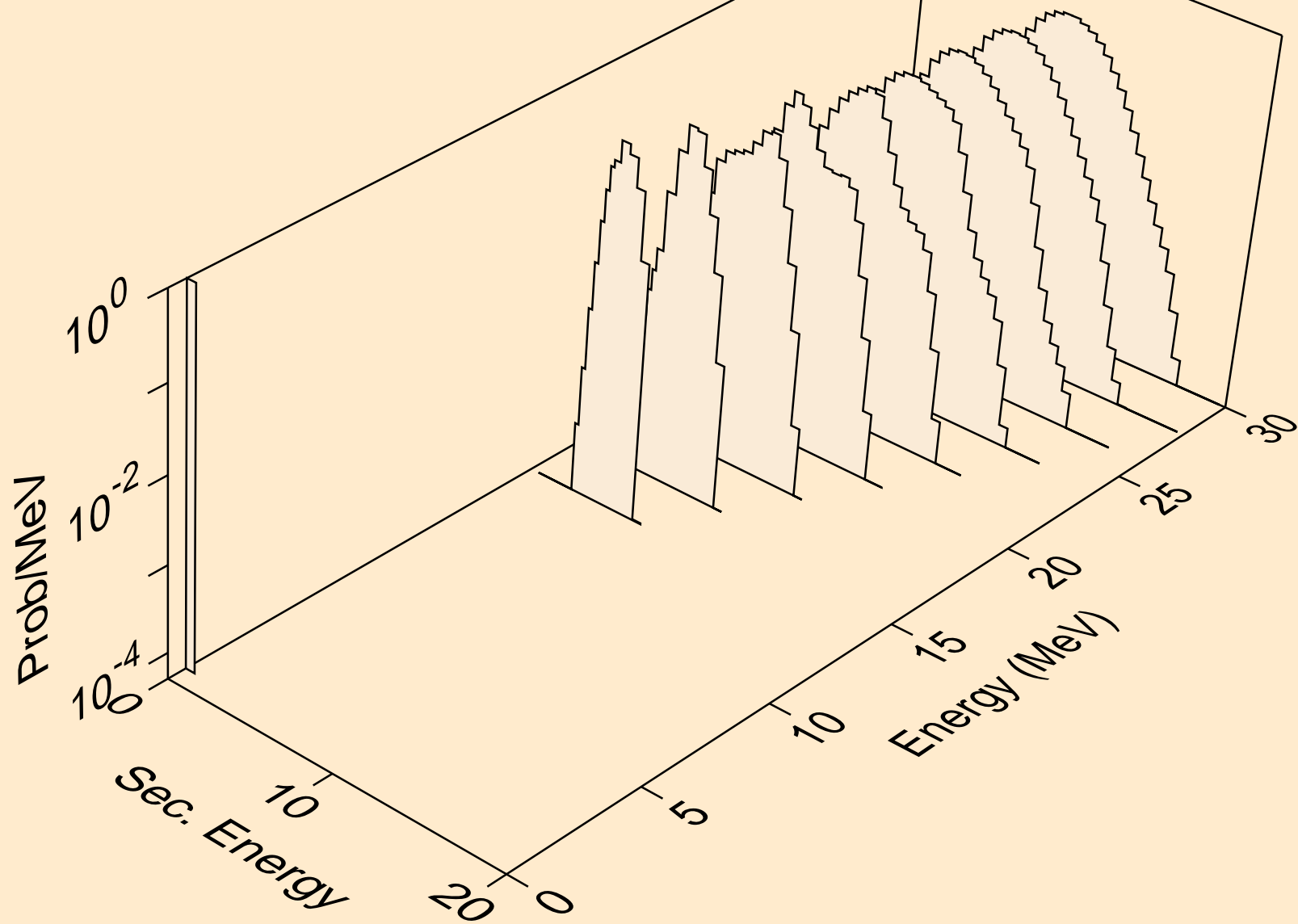
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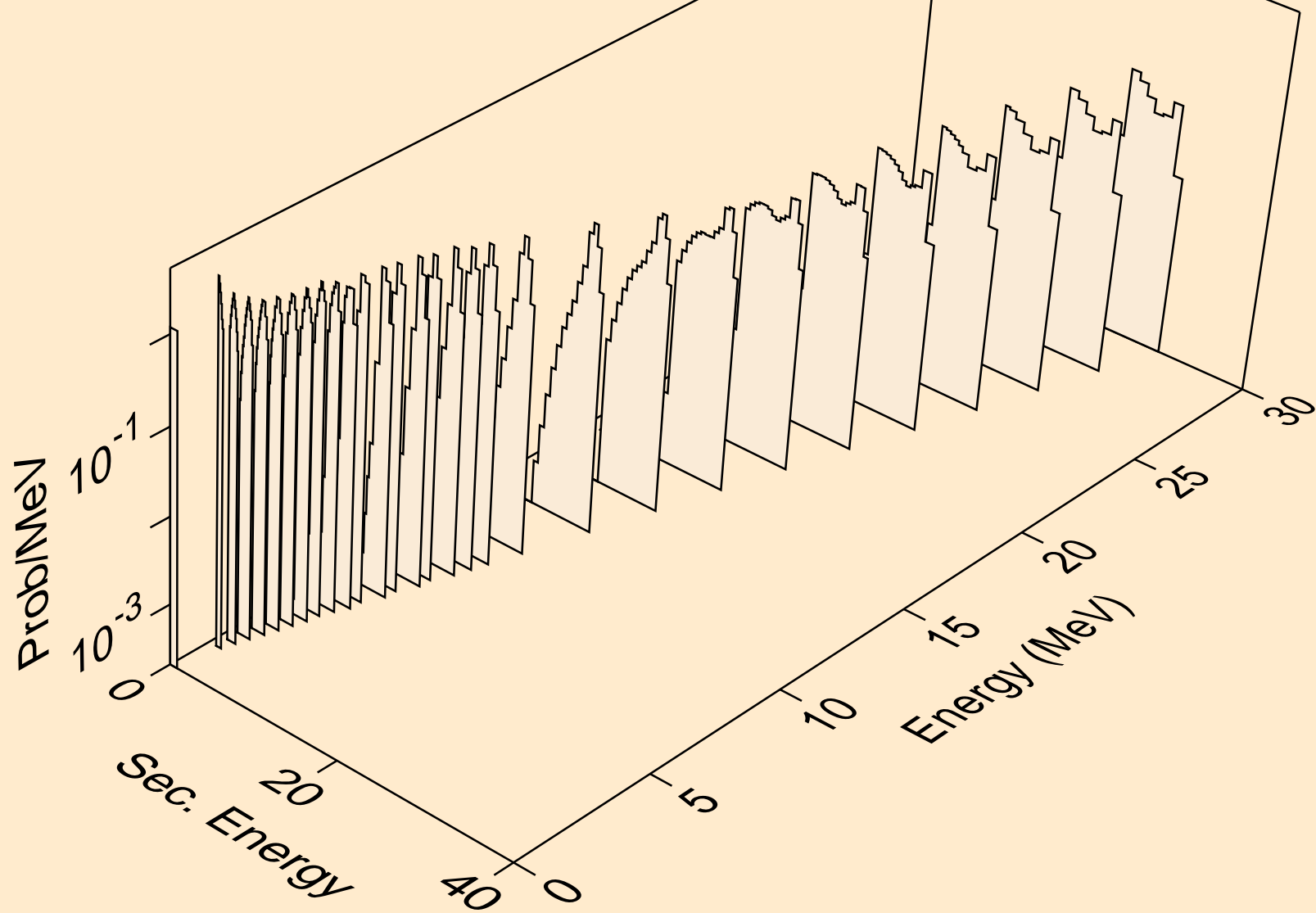
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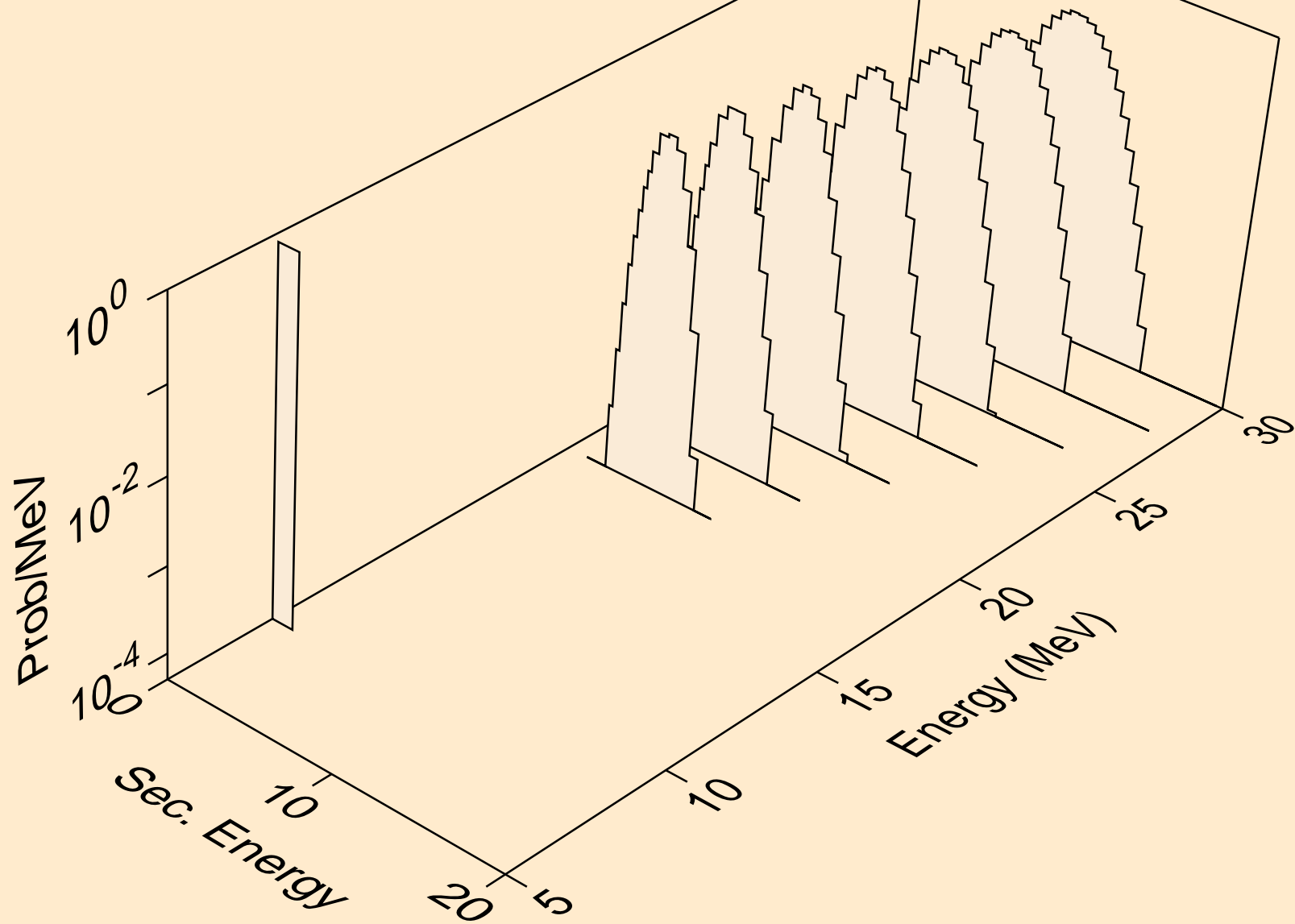
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protons from (n,npa)



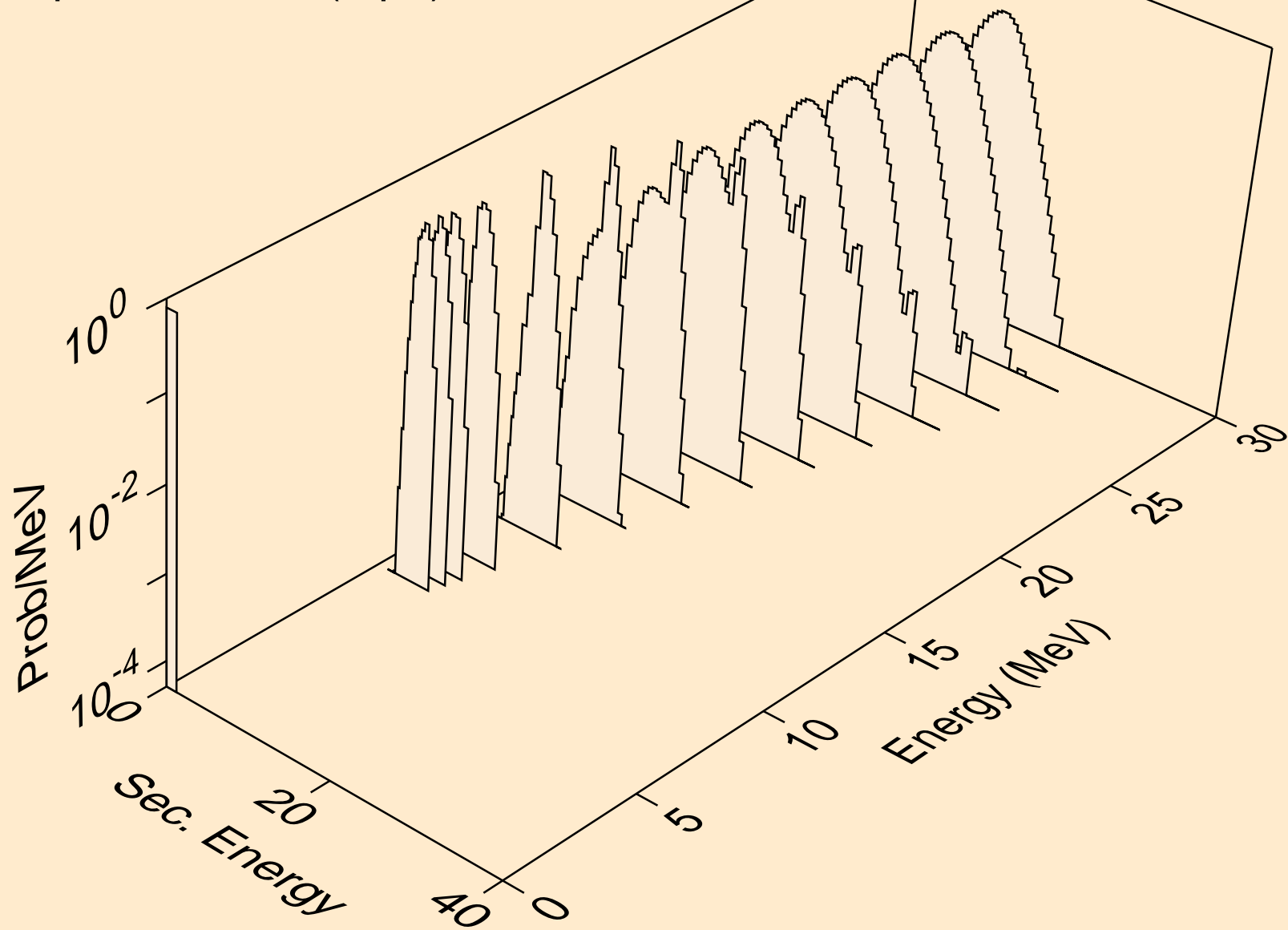
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protons from (n,p)



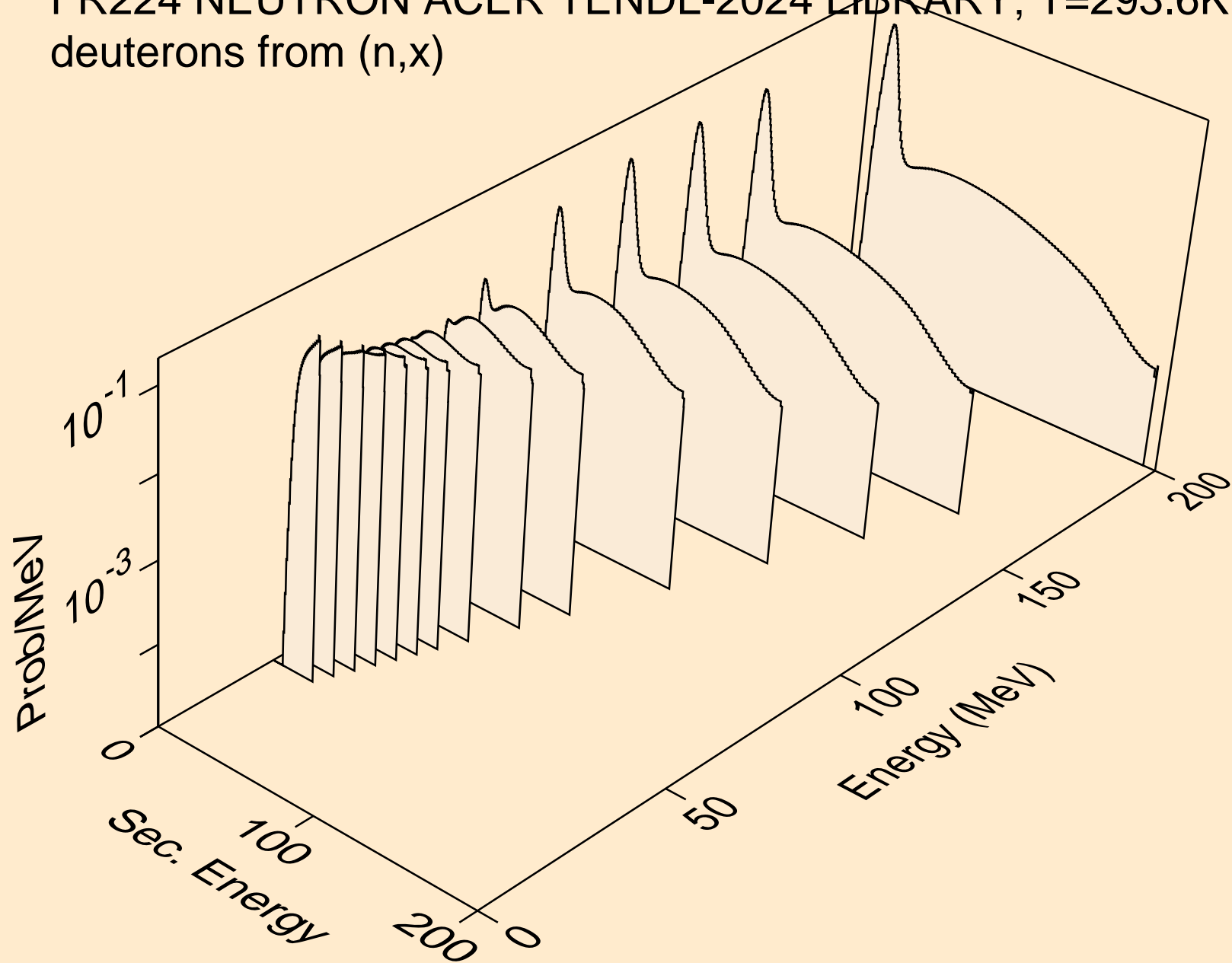
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protons from (n,2p)



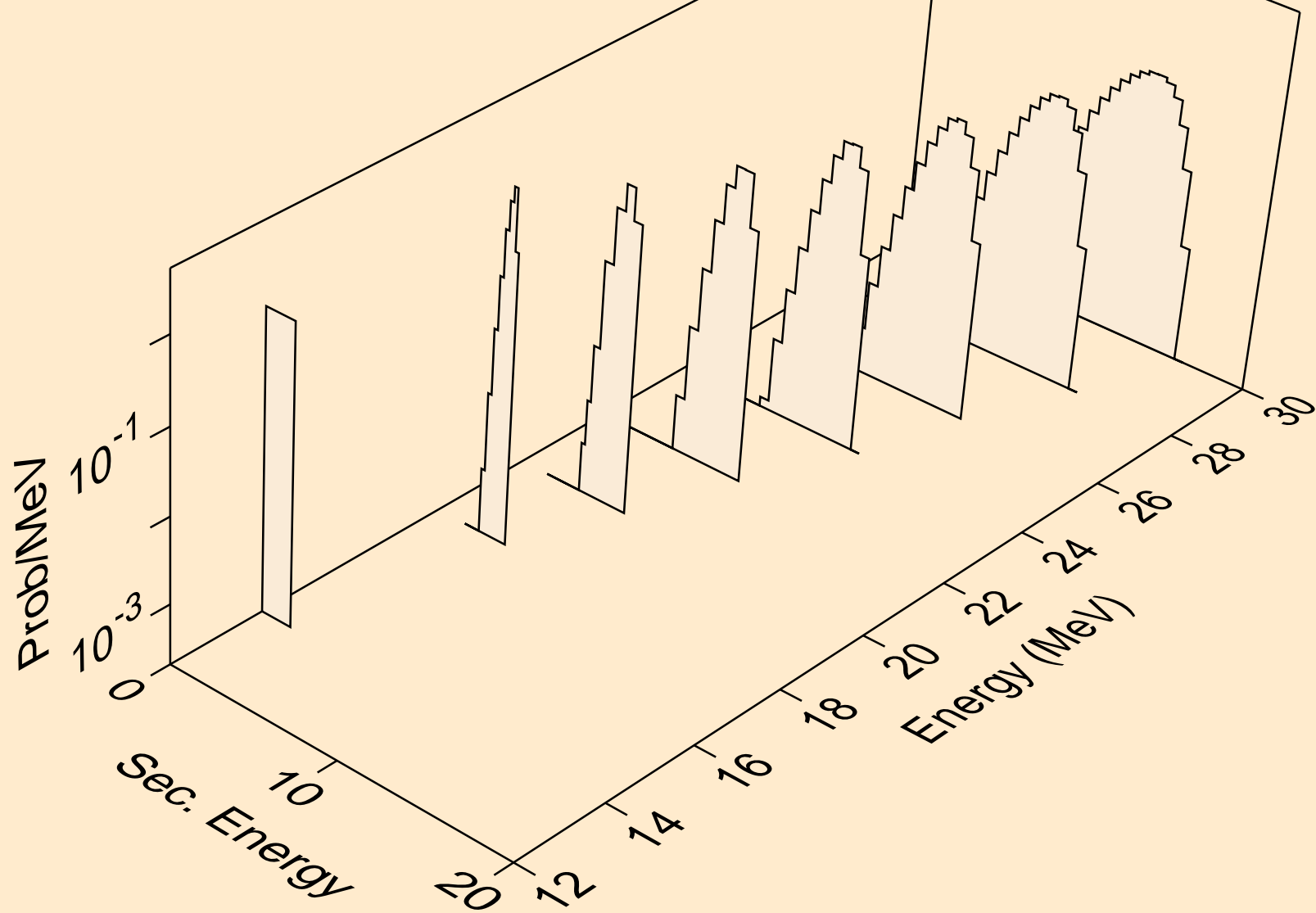
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protons from (n,p)



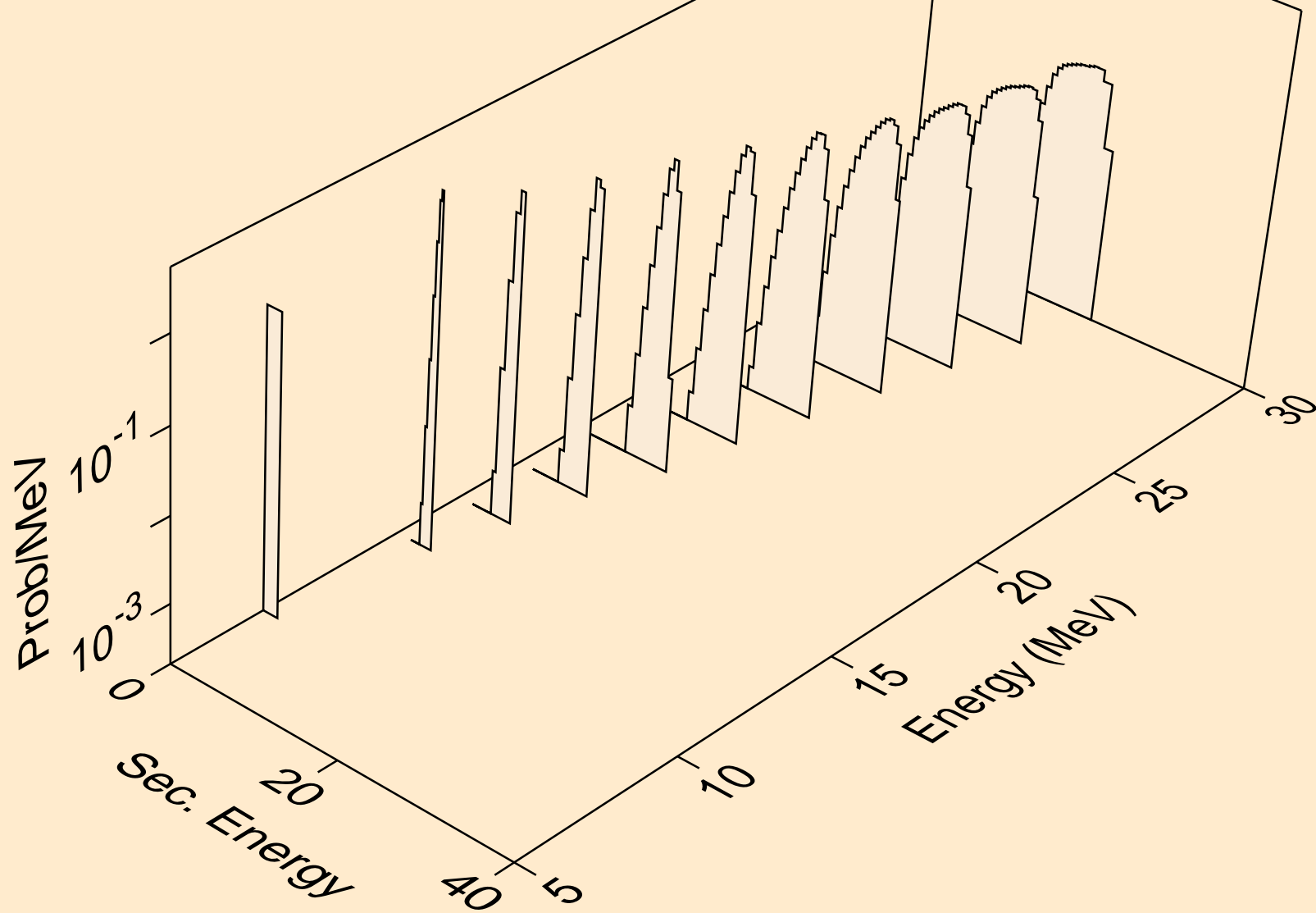
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



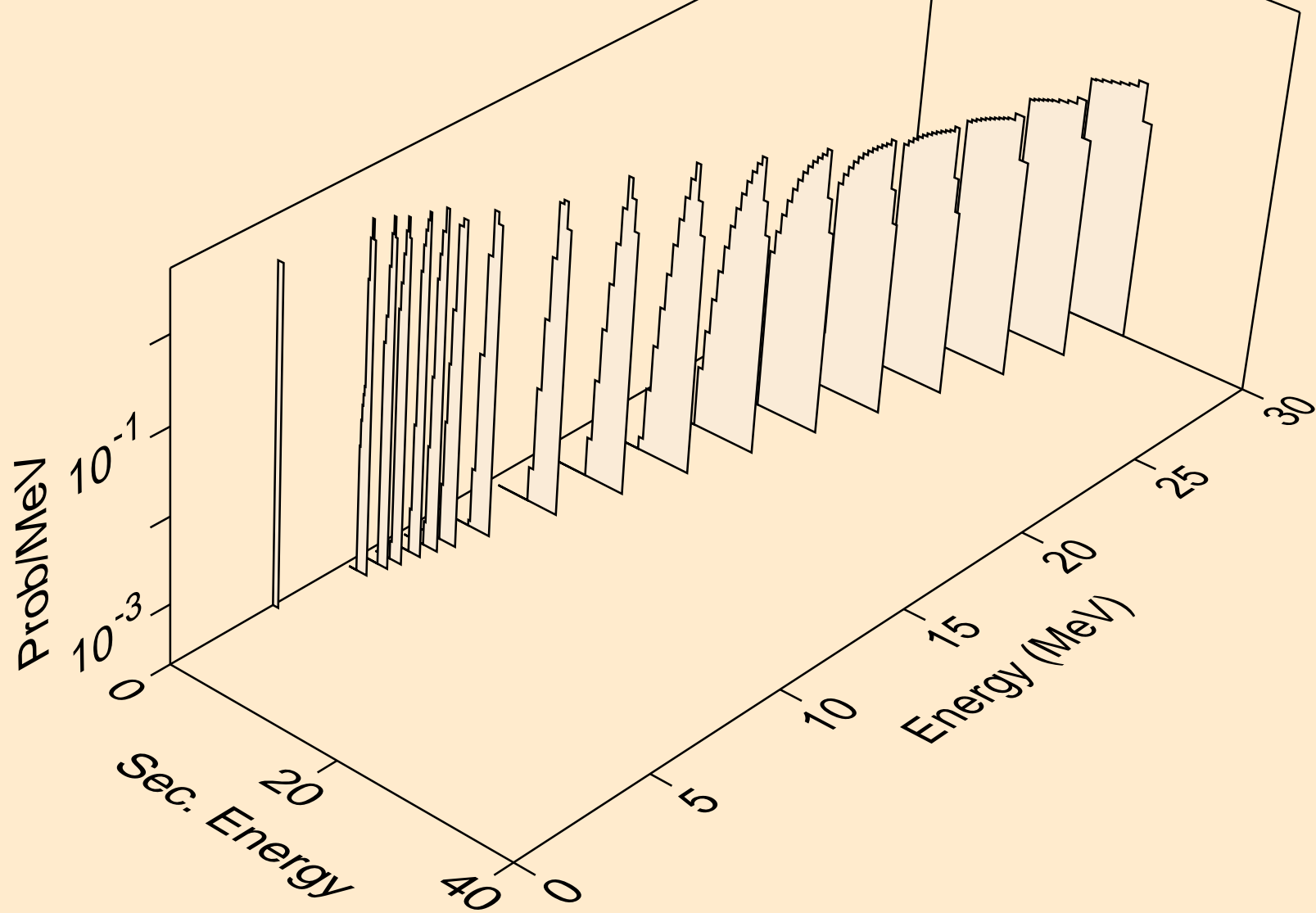
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deuterons from (n,2nd)



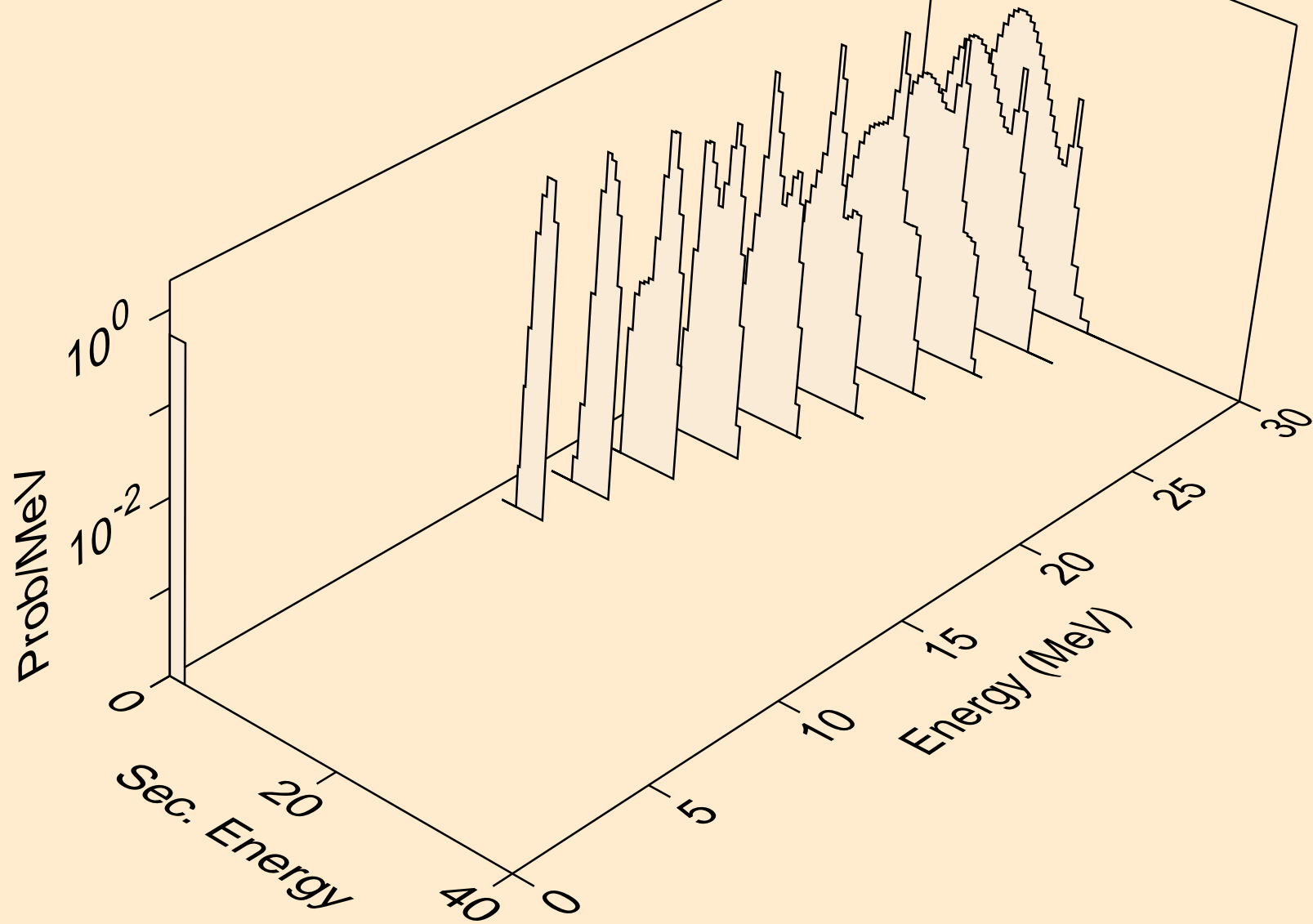
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



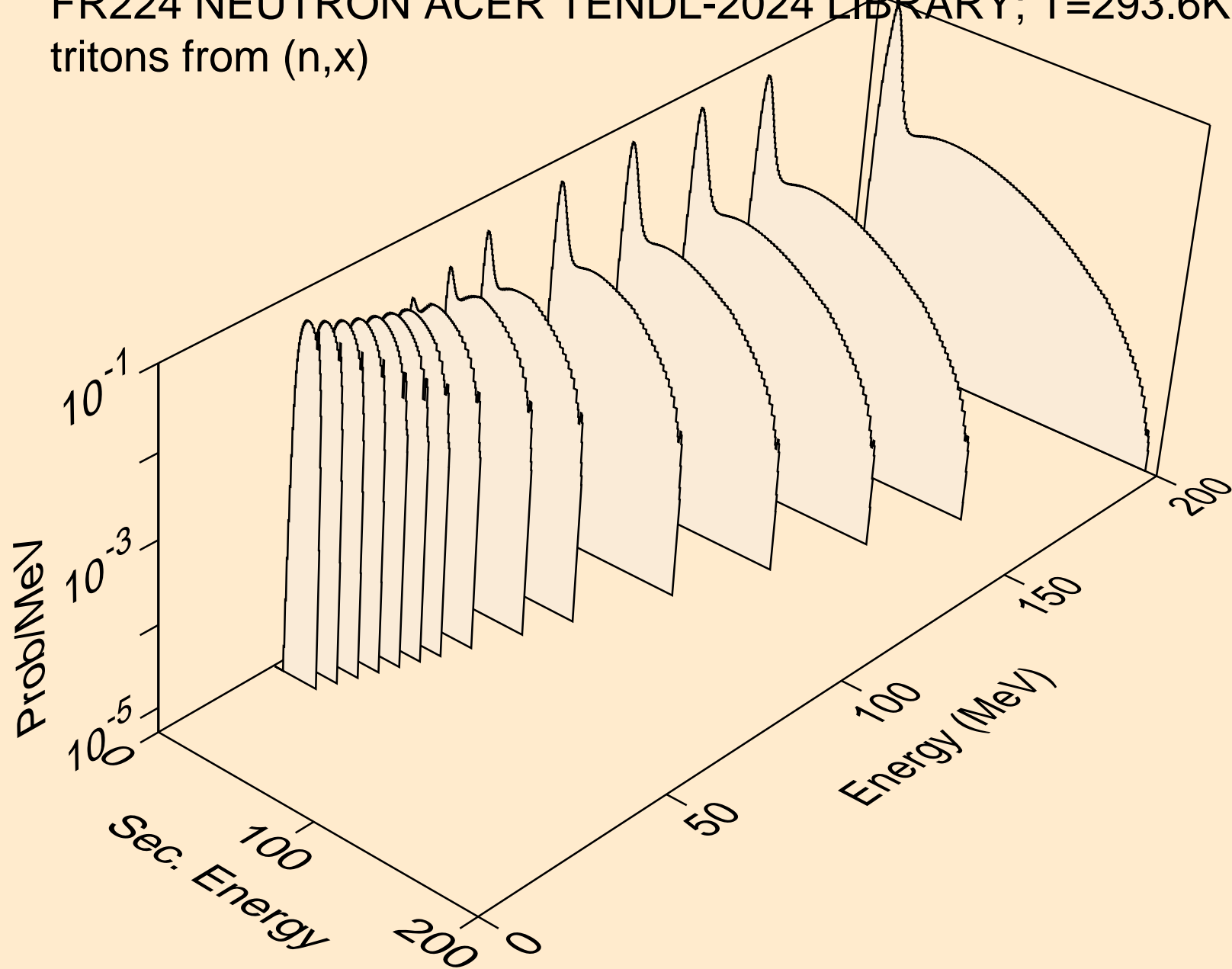
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,d)



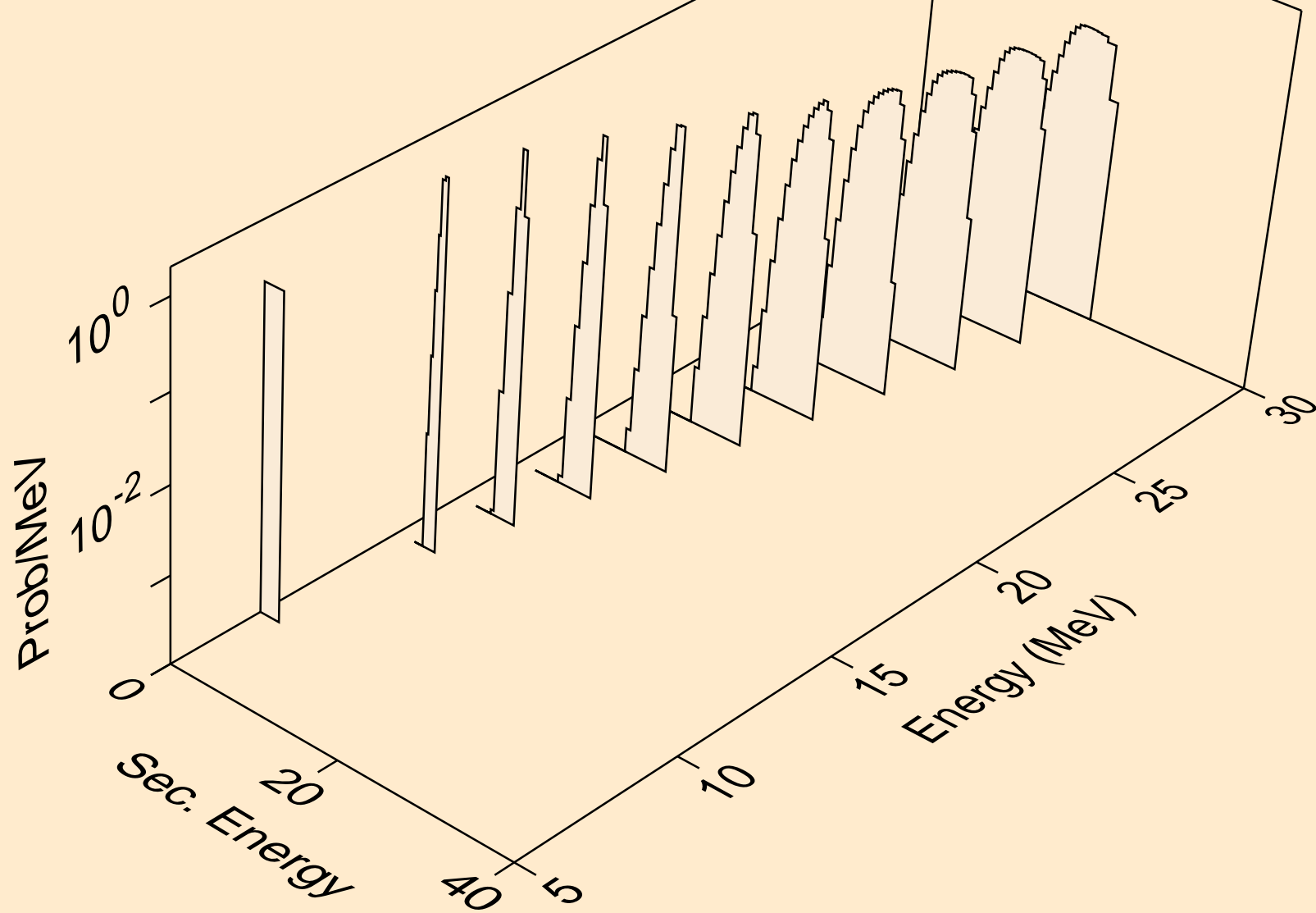
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deuterons from (n,da)



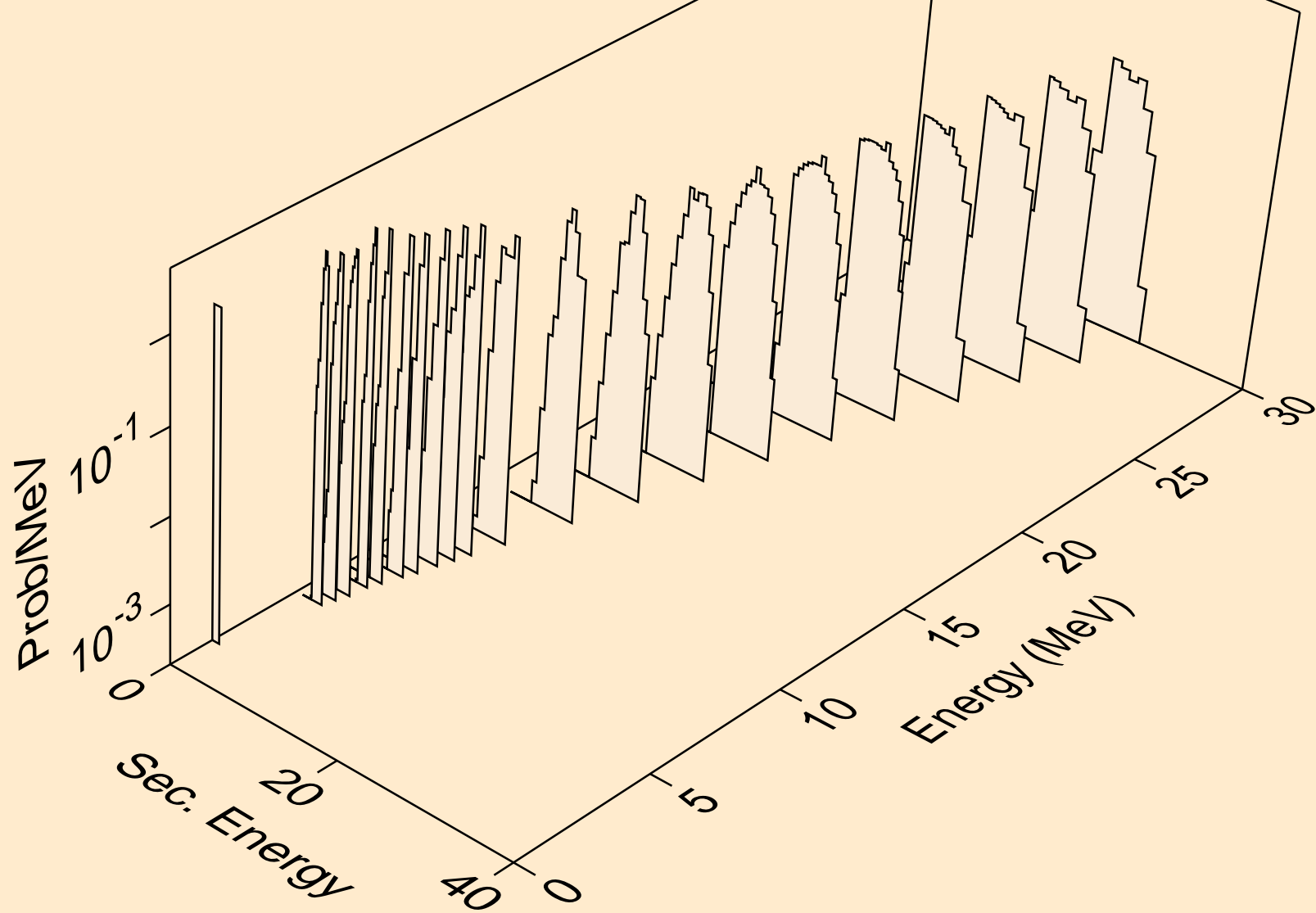
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tritons from (n,x)



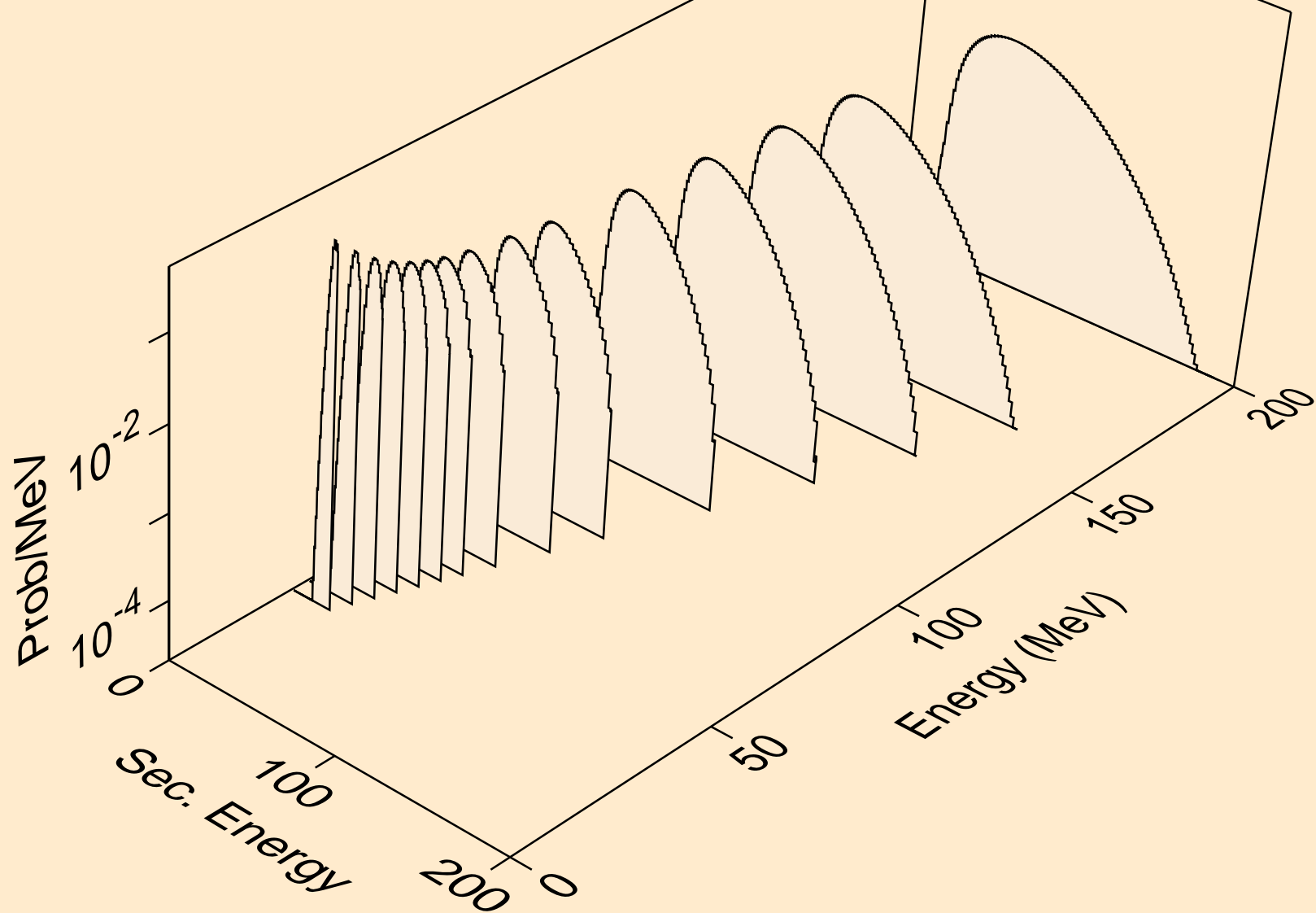
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



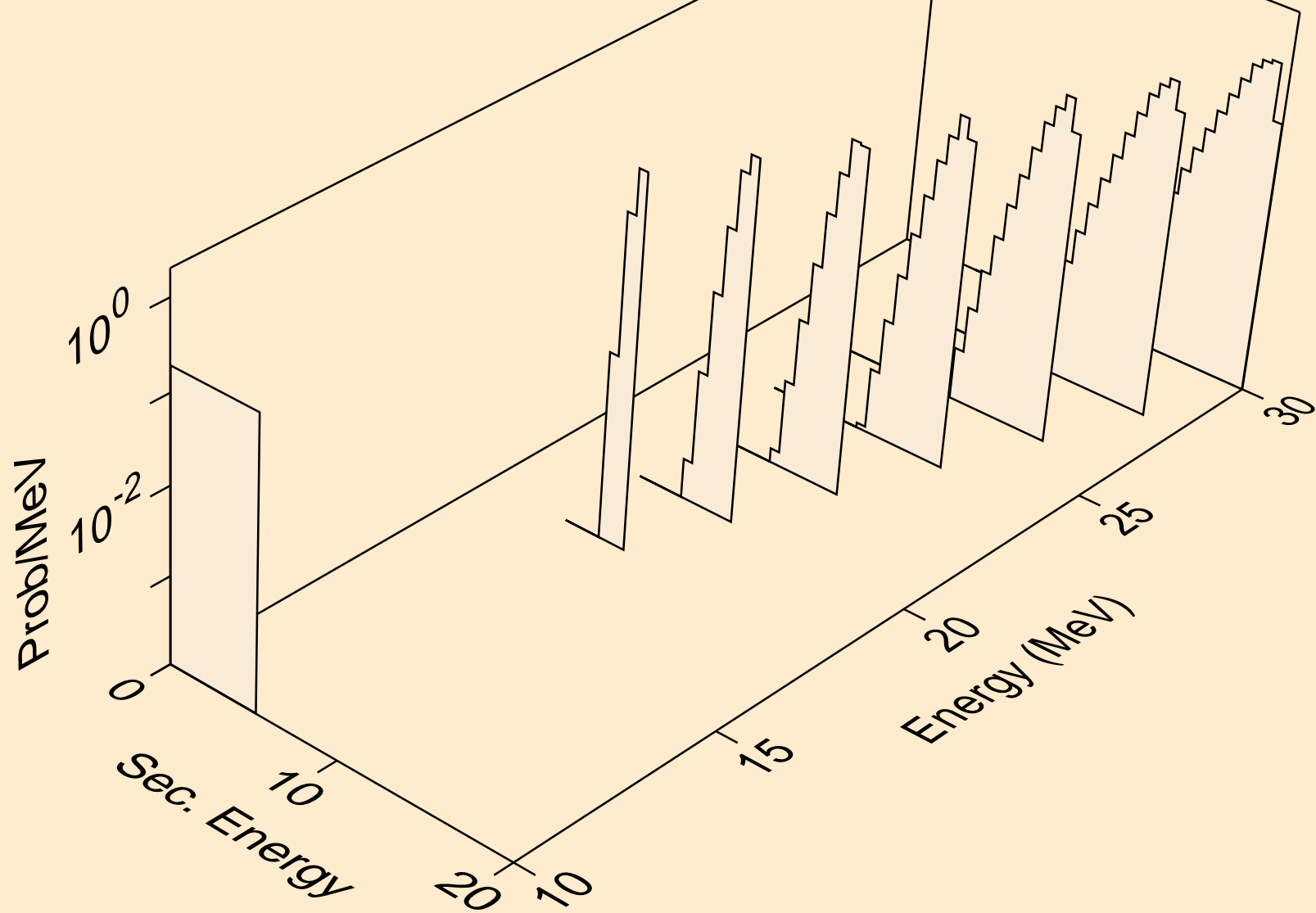
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



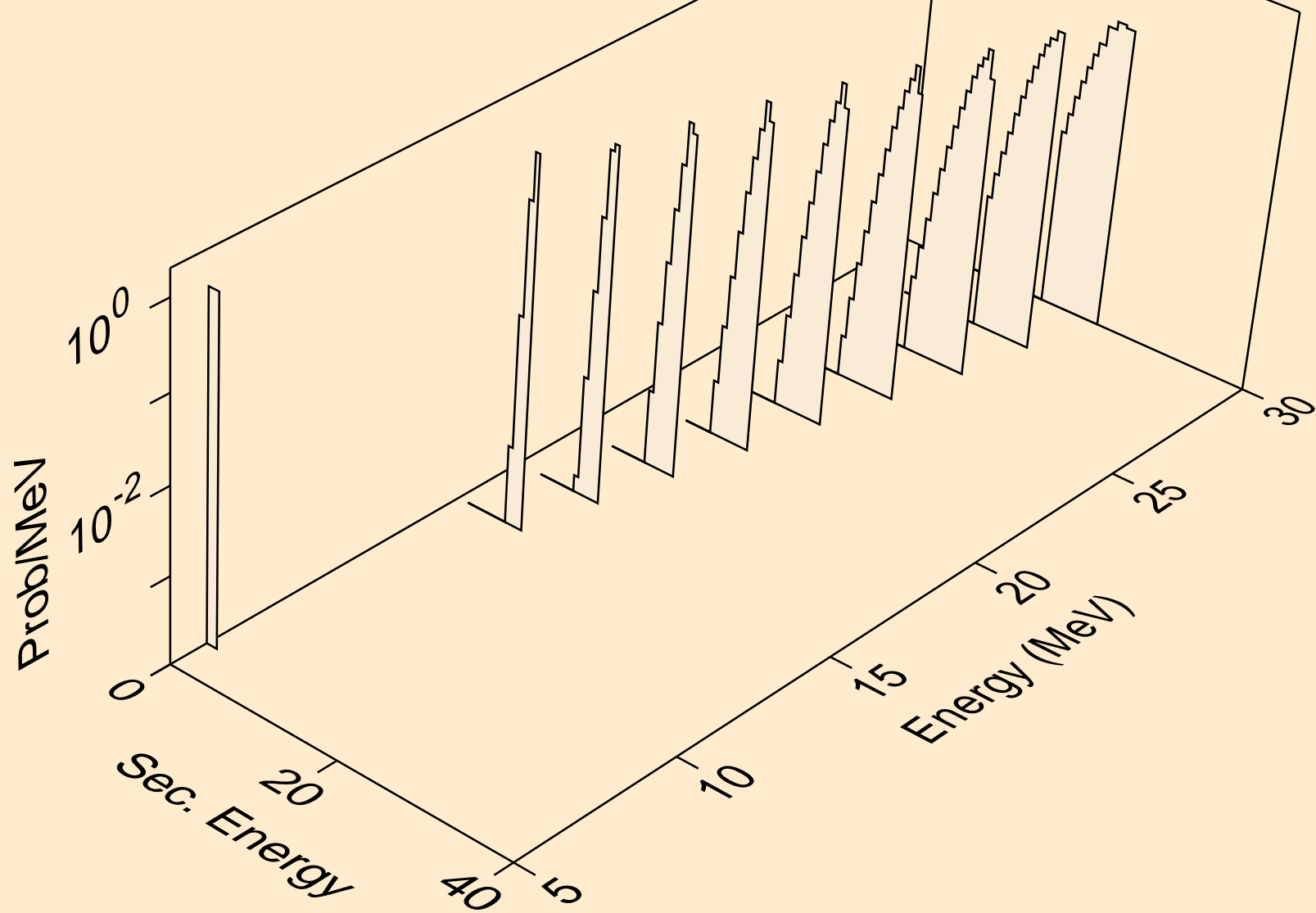
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



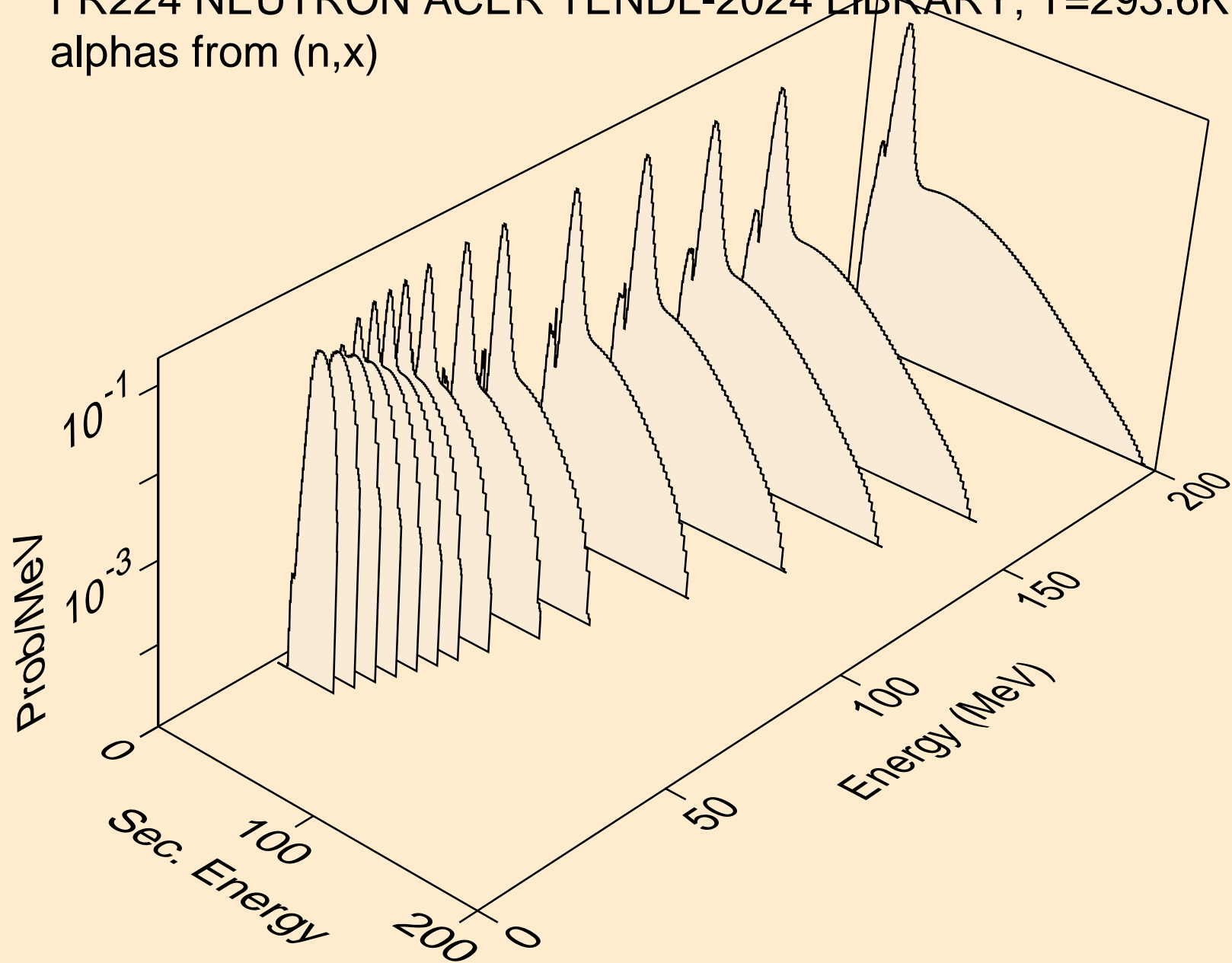
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he3s from (n,n\*)he3



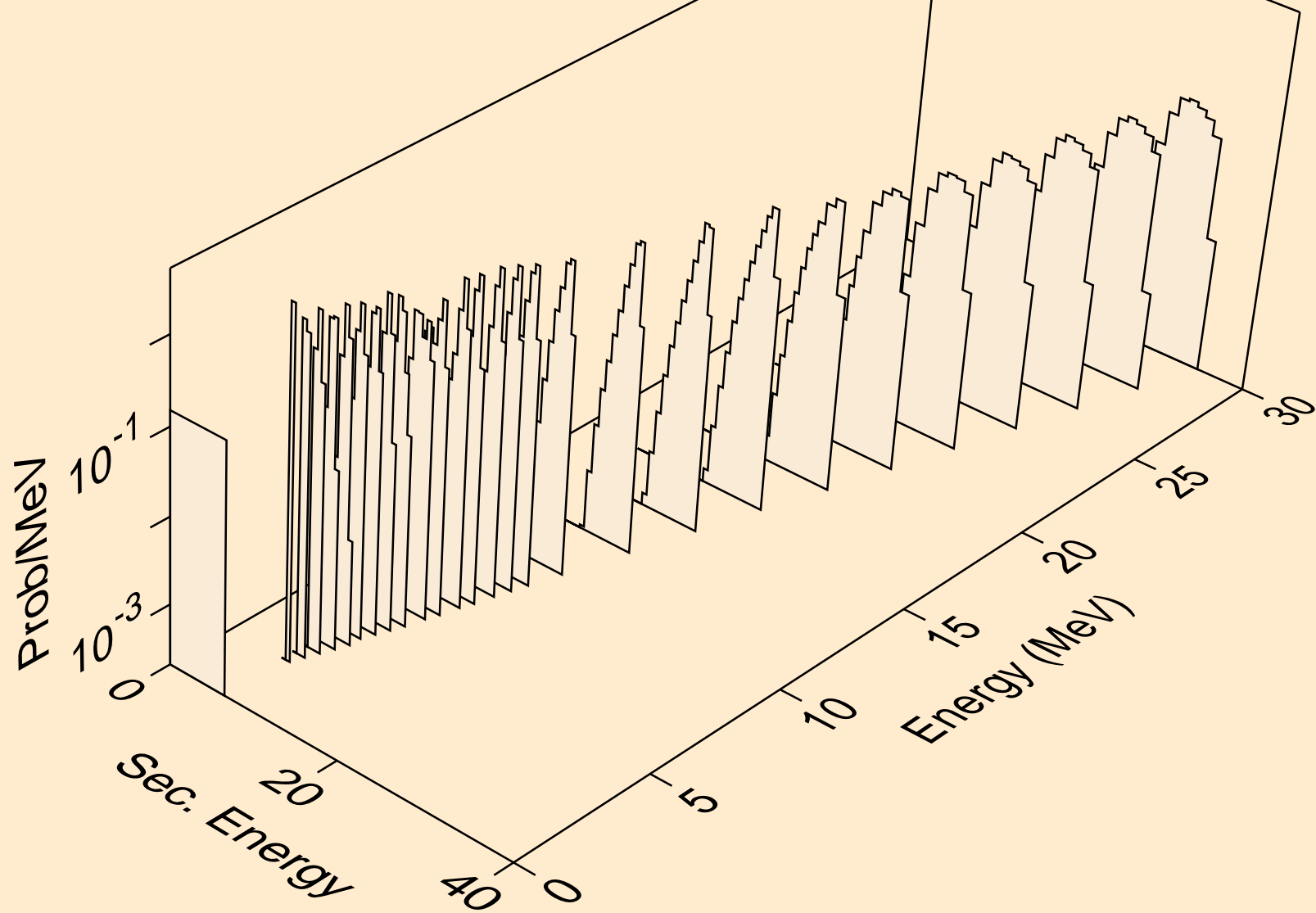
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he3s from (n,he3)



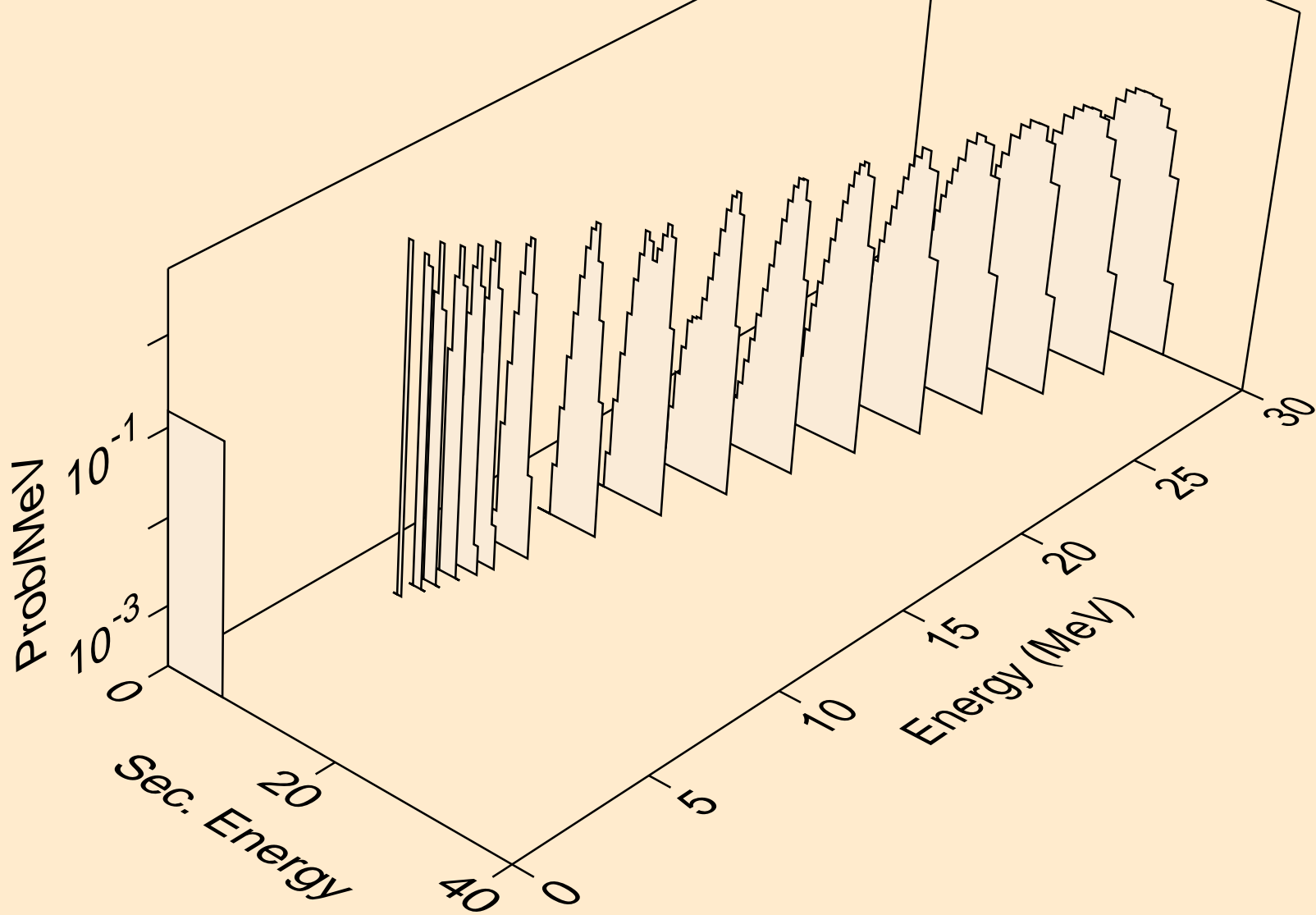
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alphas from (n,x)



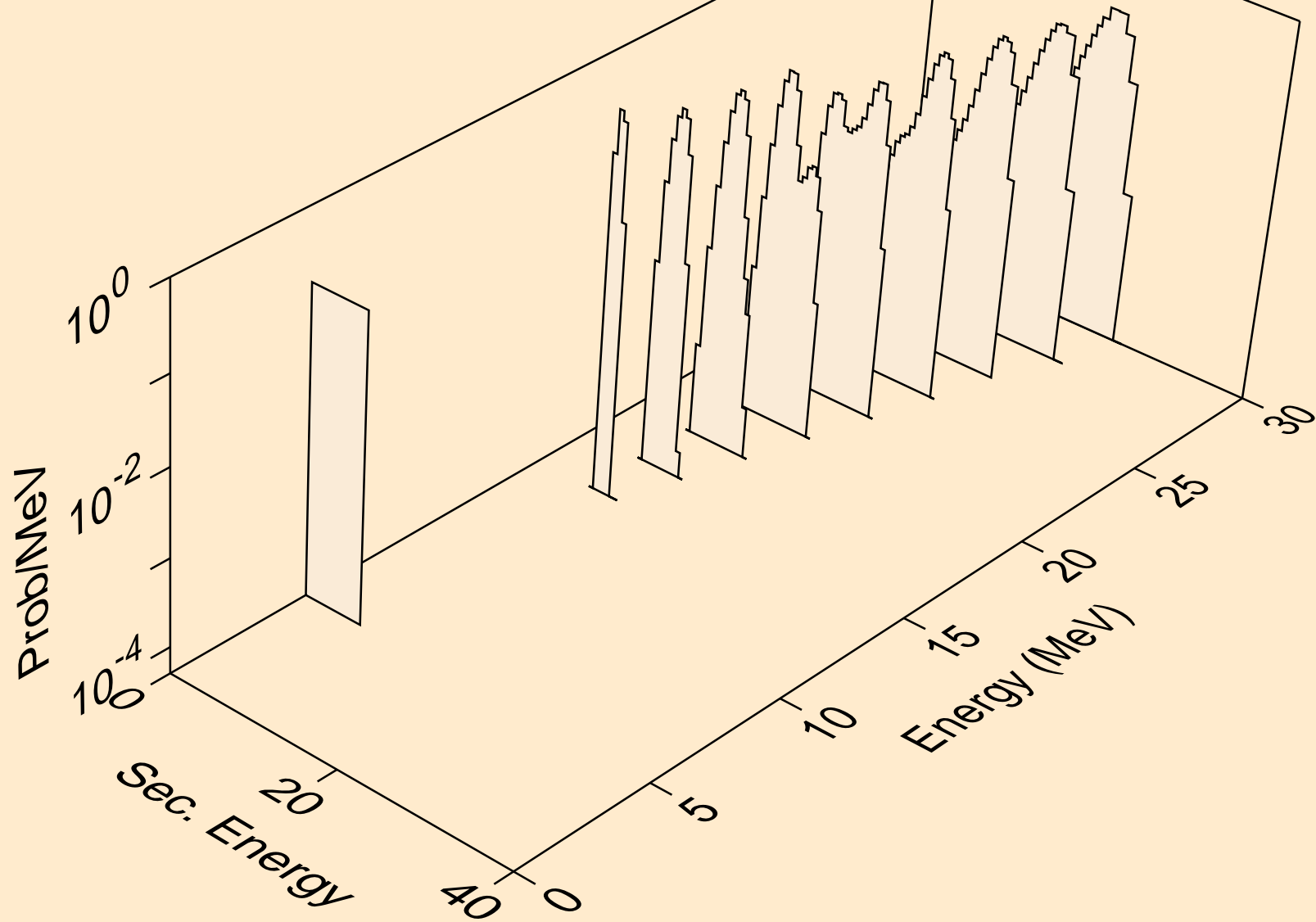
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



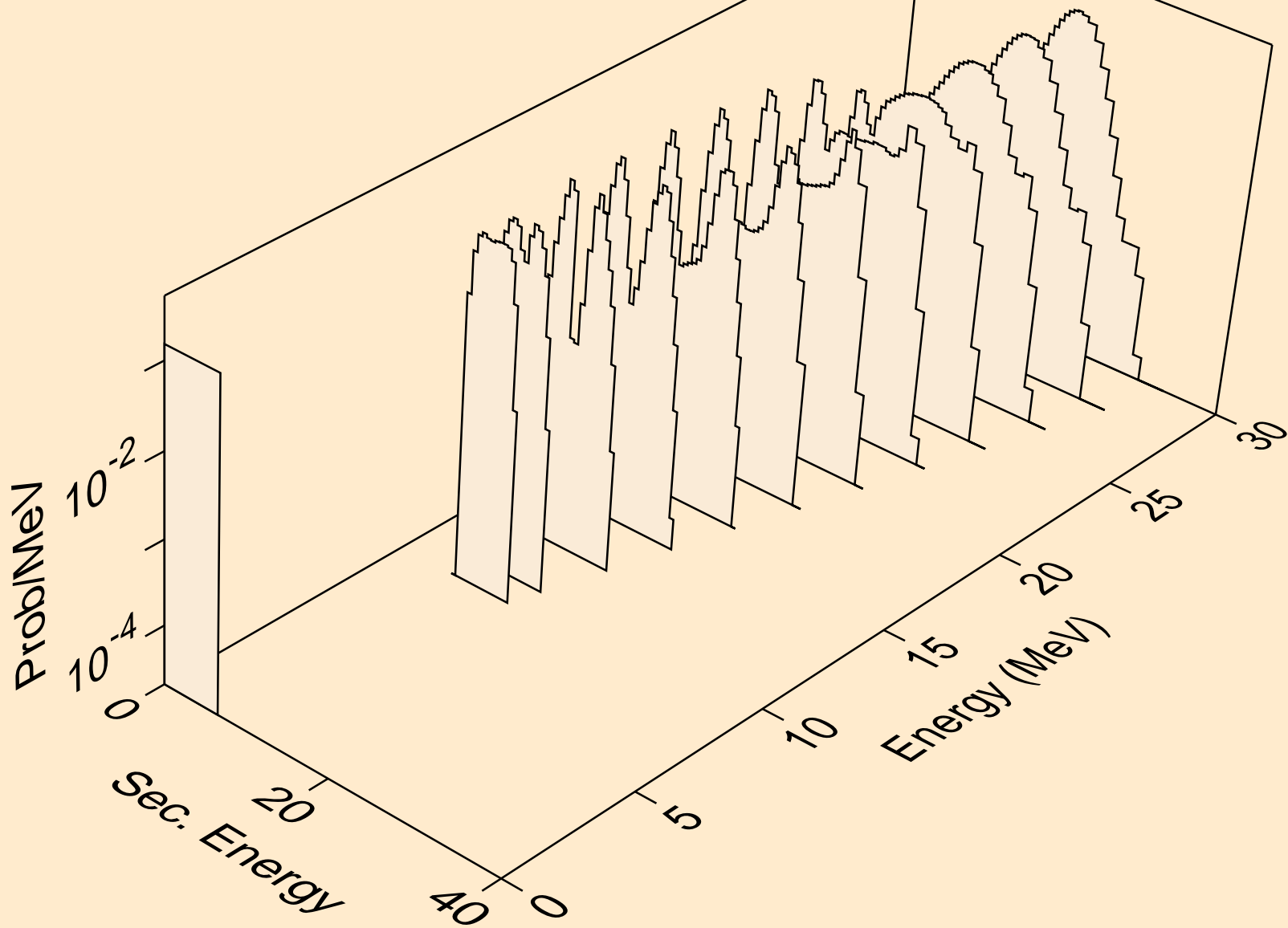
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



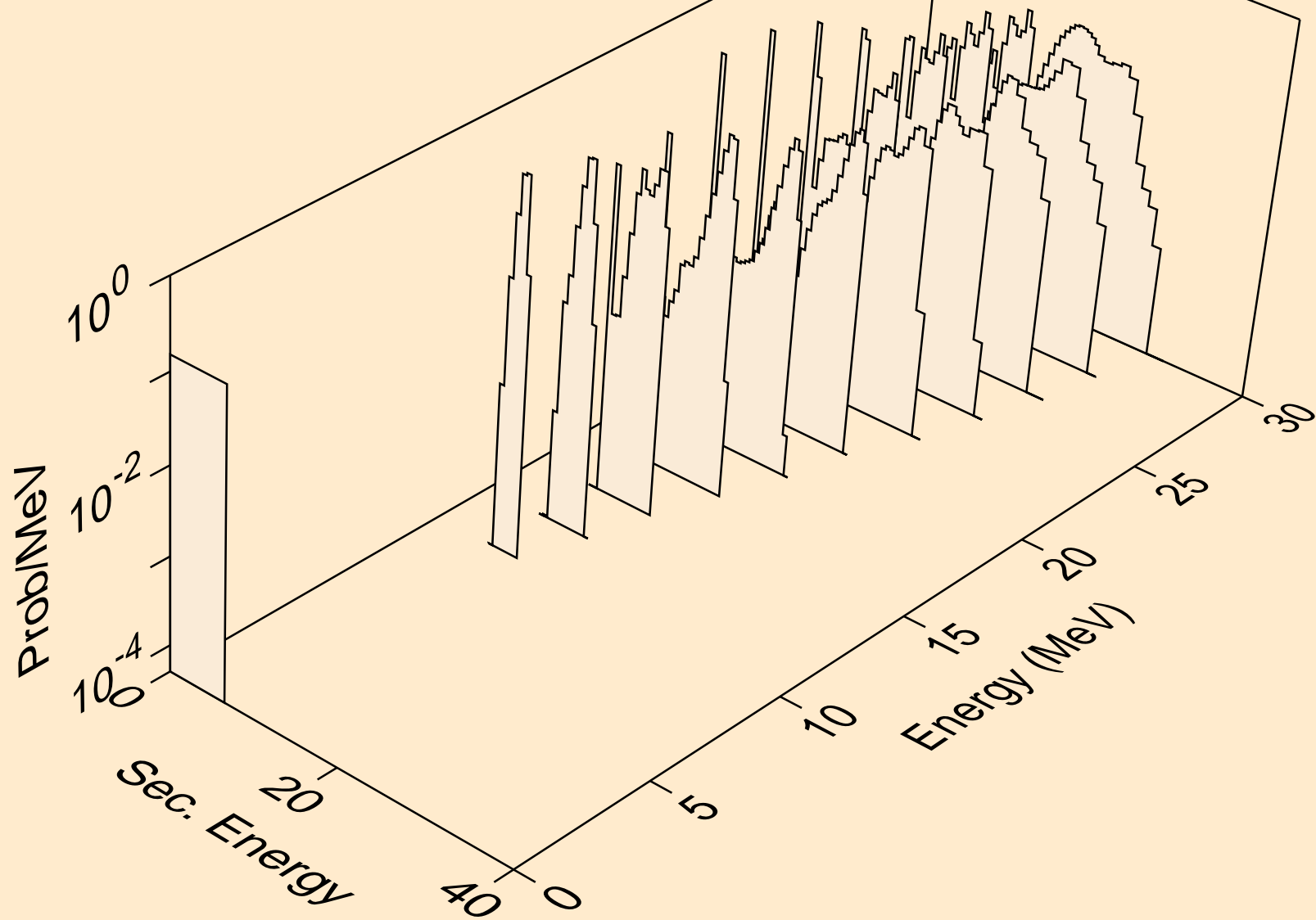
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alphas from (n,3n)a



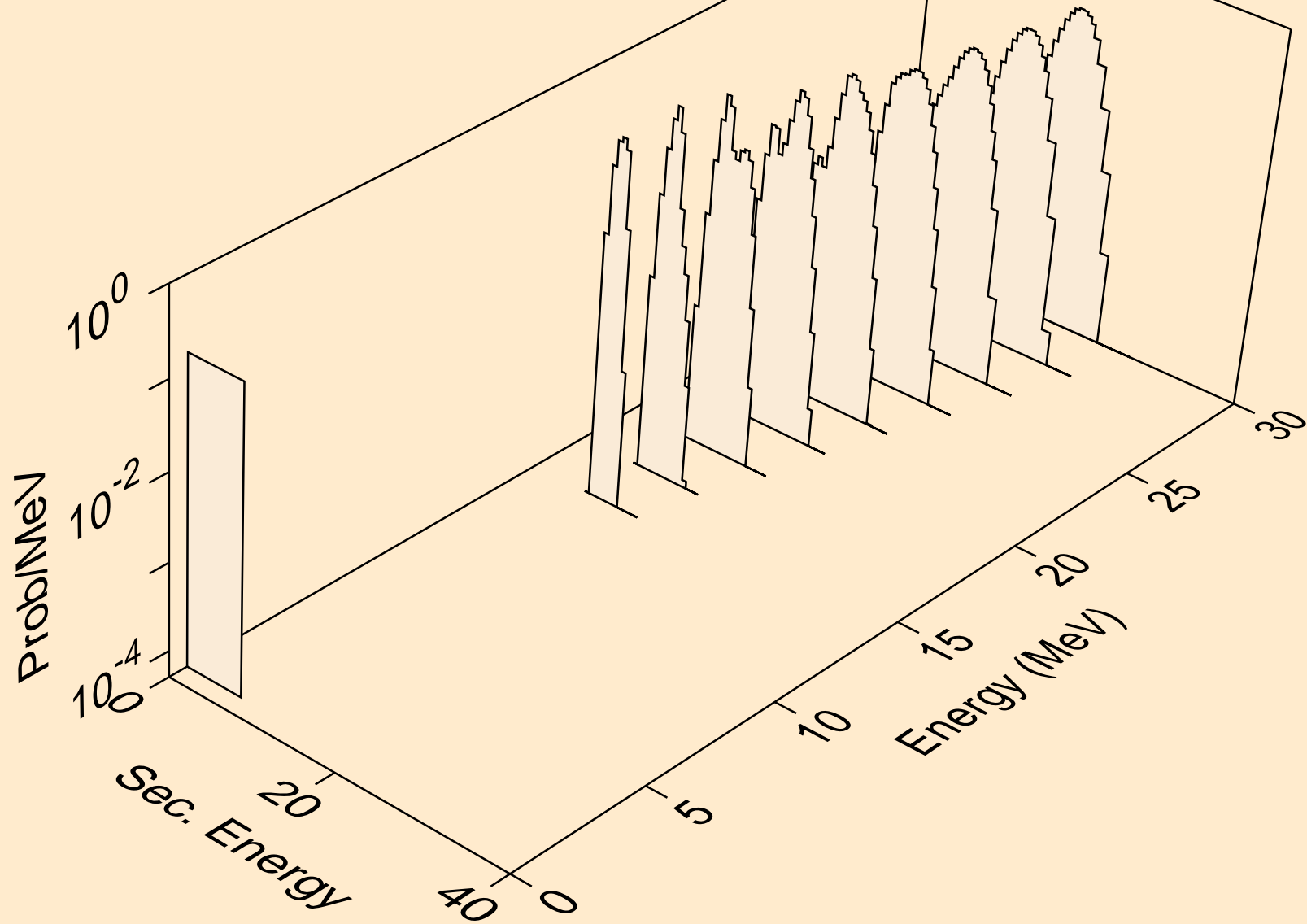
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



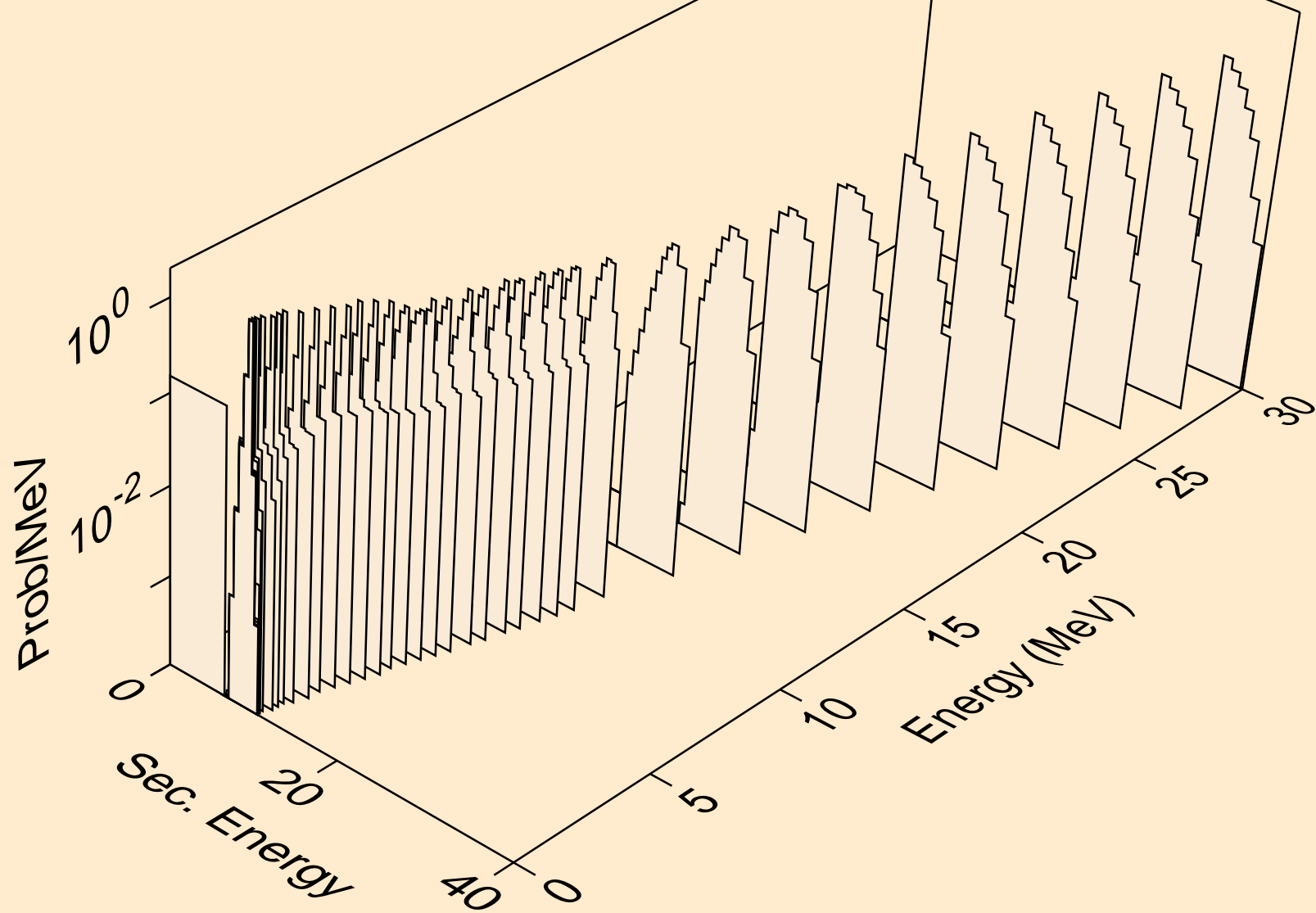
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alphas from (n,2n)2a



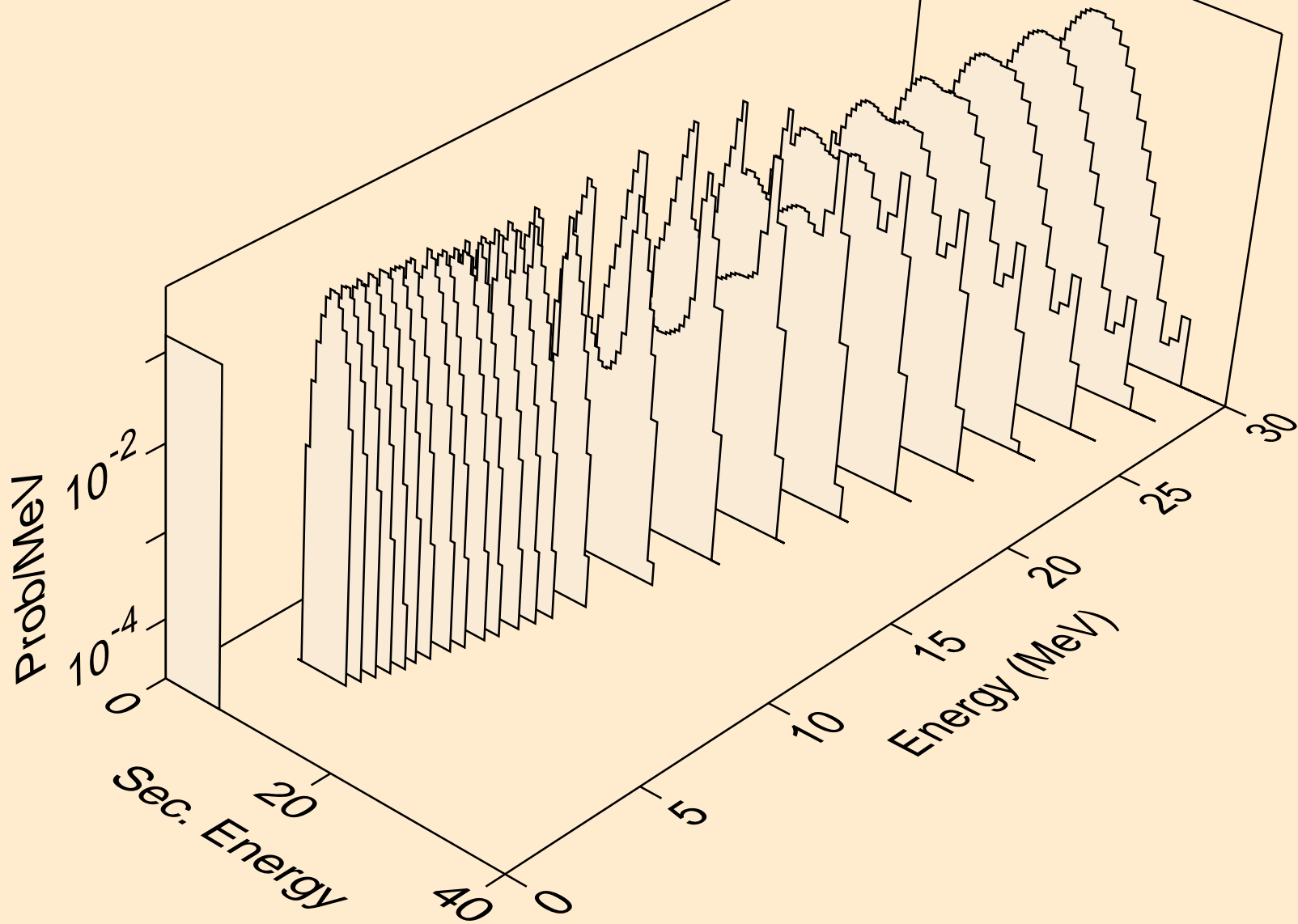
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alphas from (n,npa)



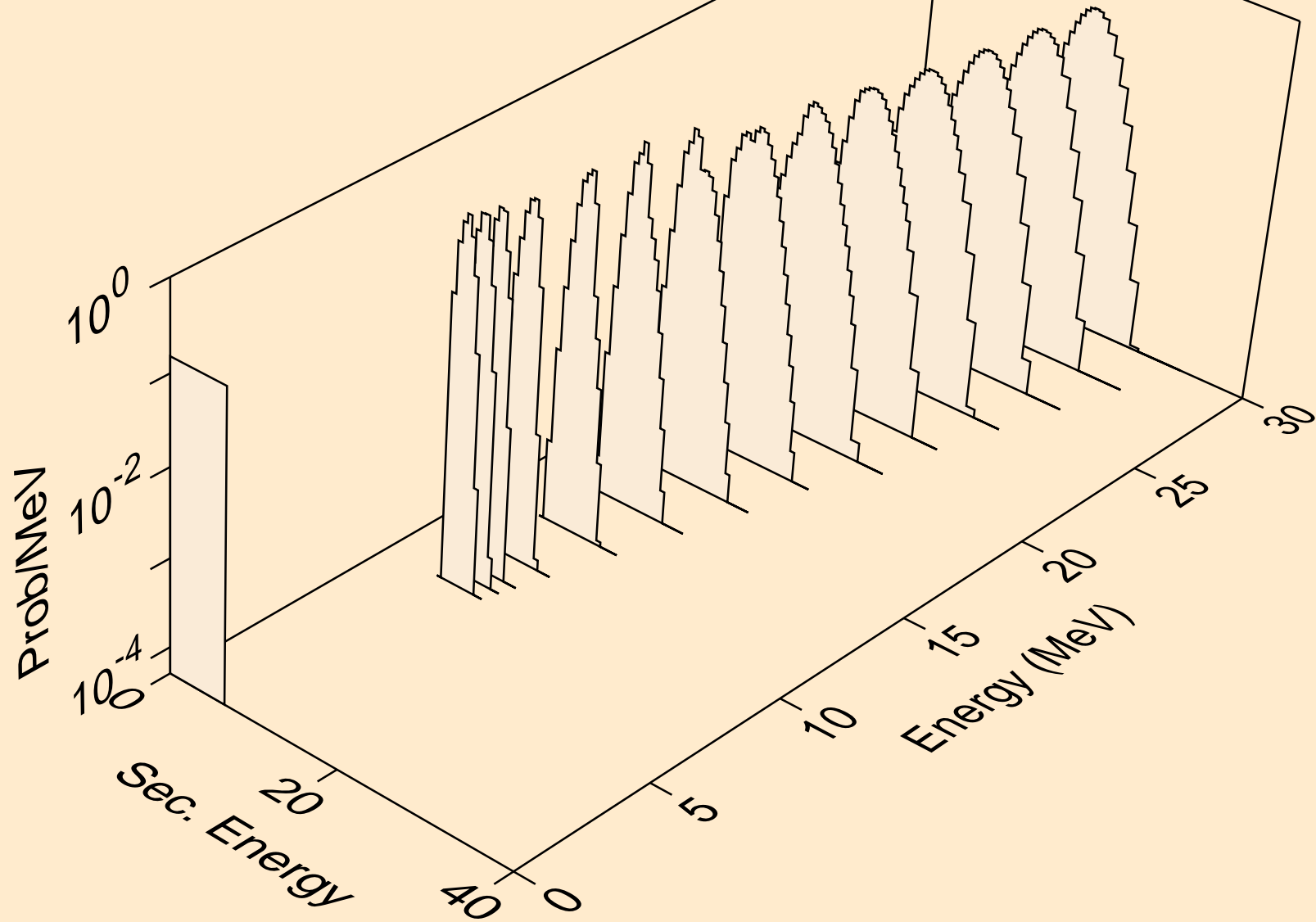
FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



FR224 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

