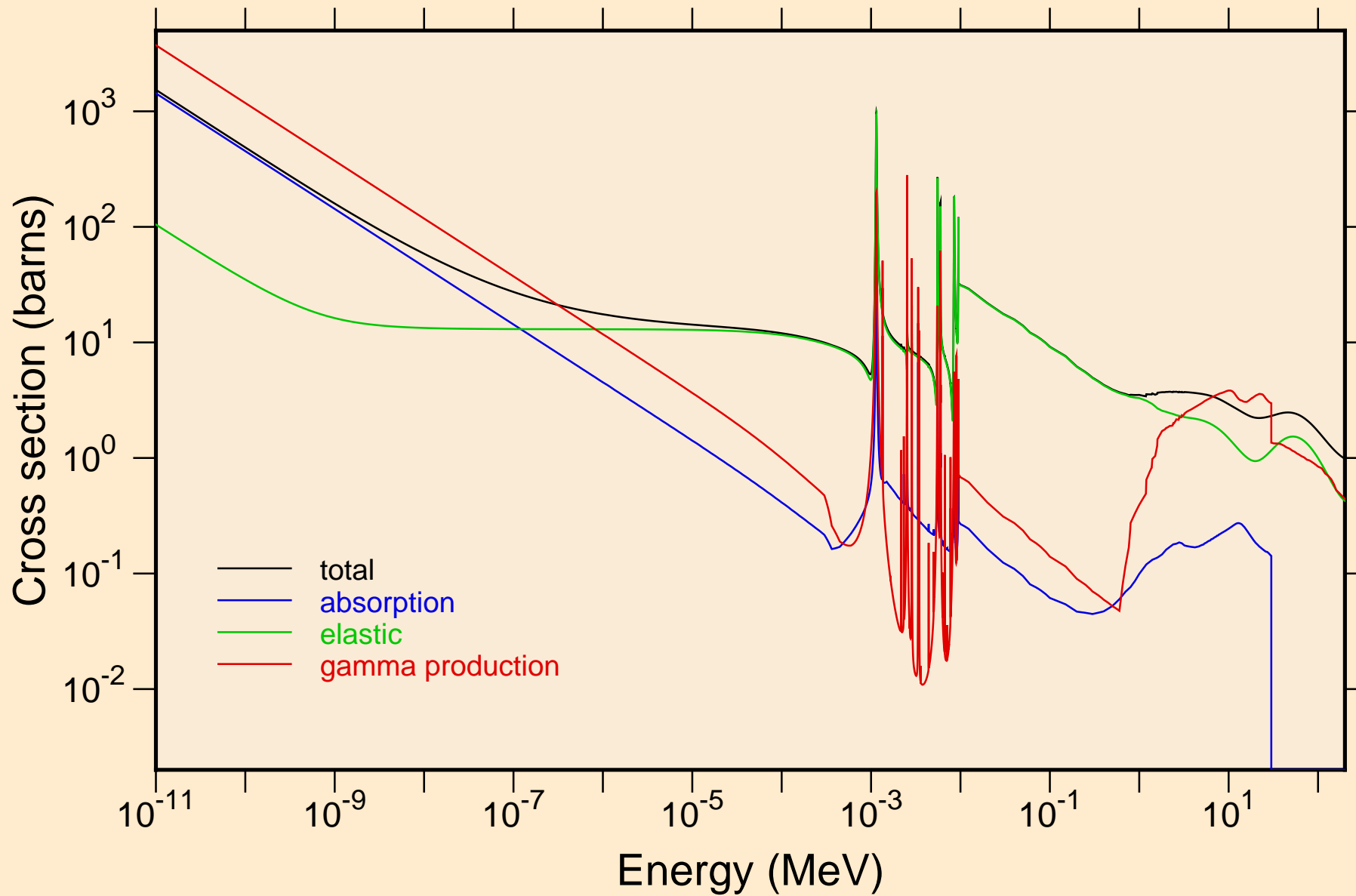
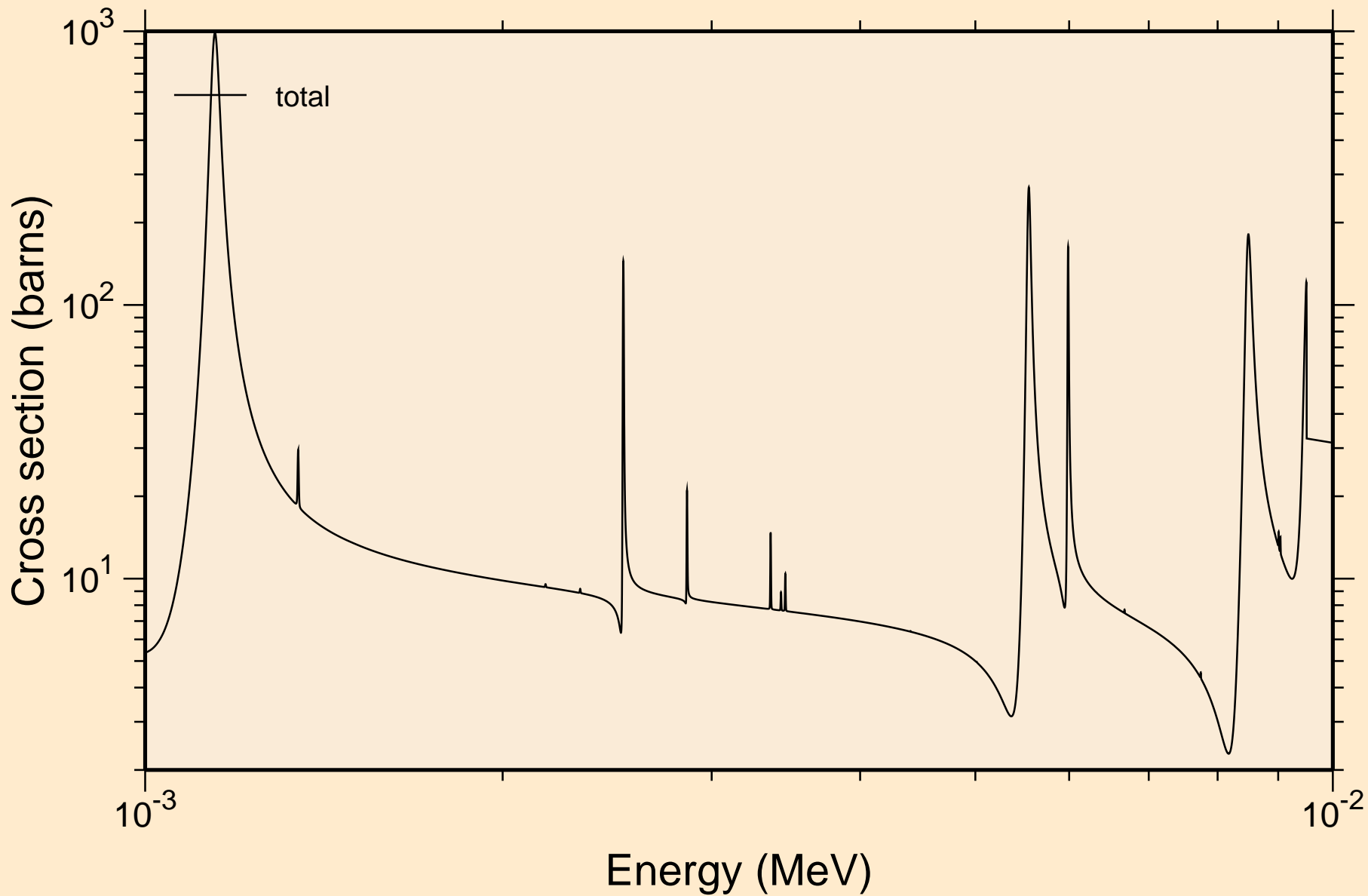


# CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

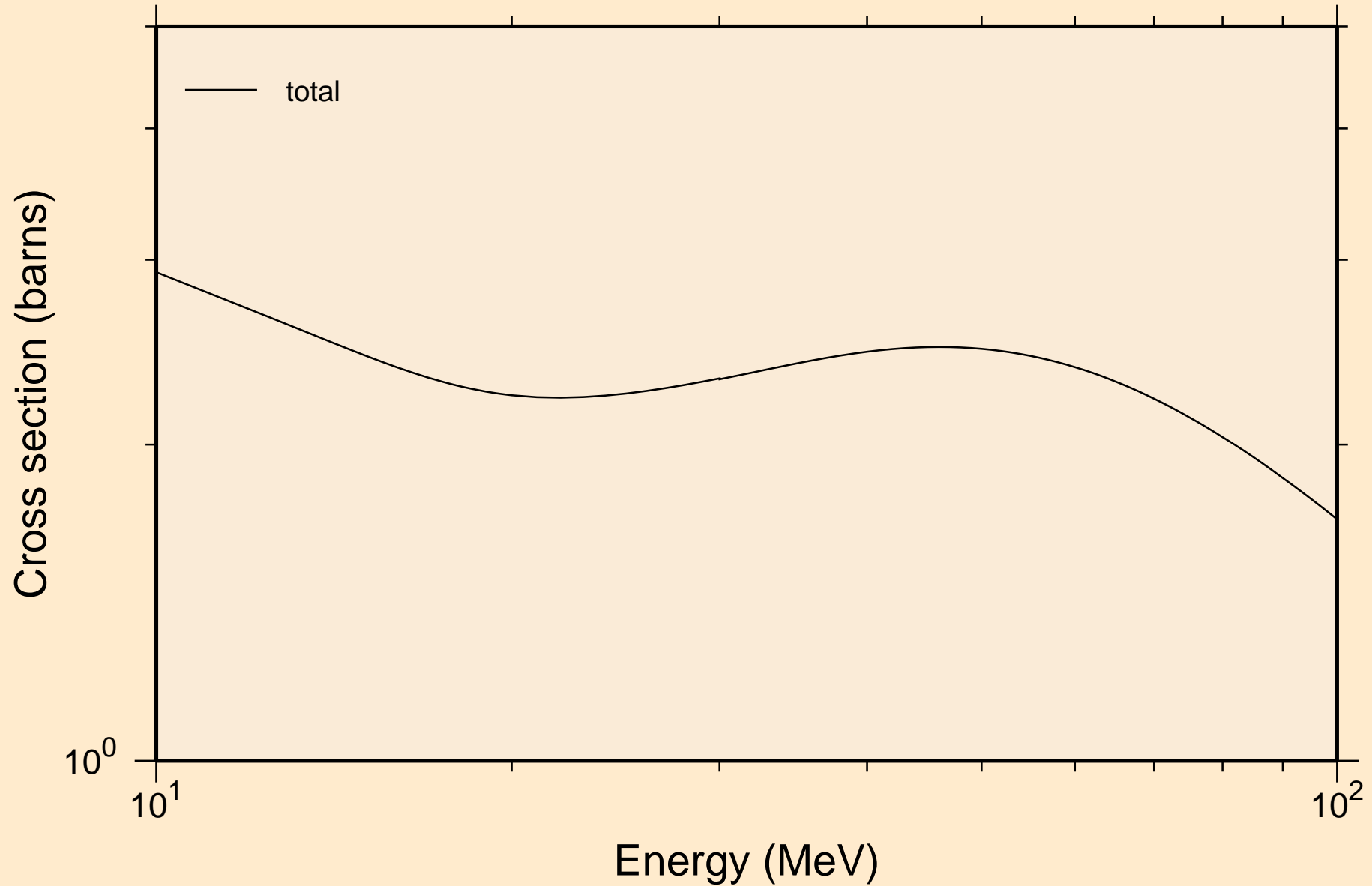
## Principal cross sections



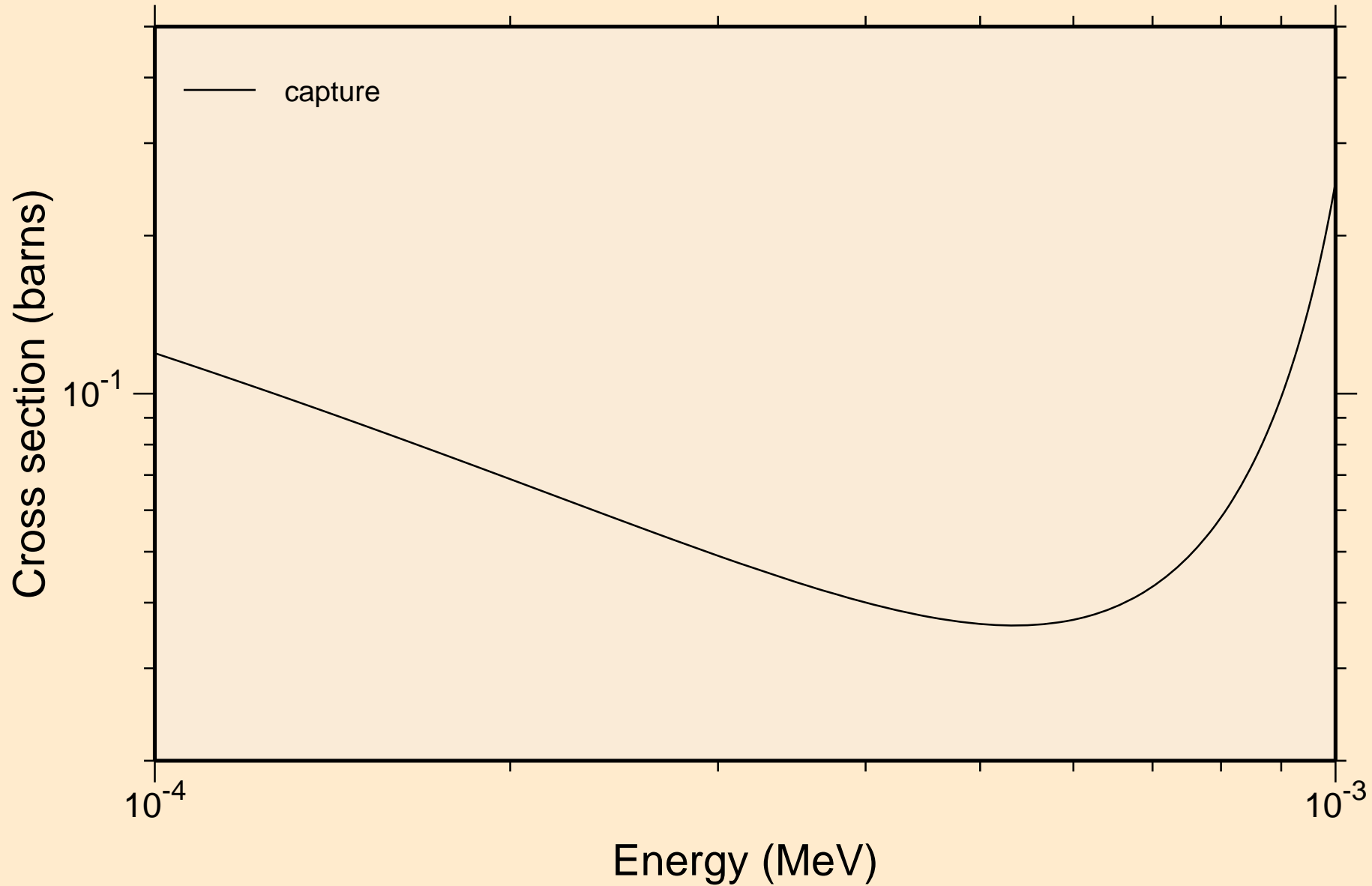
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



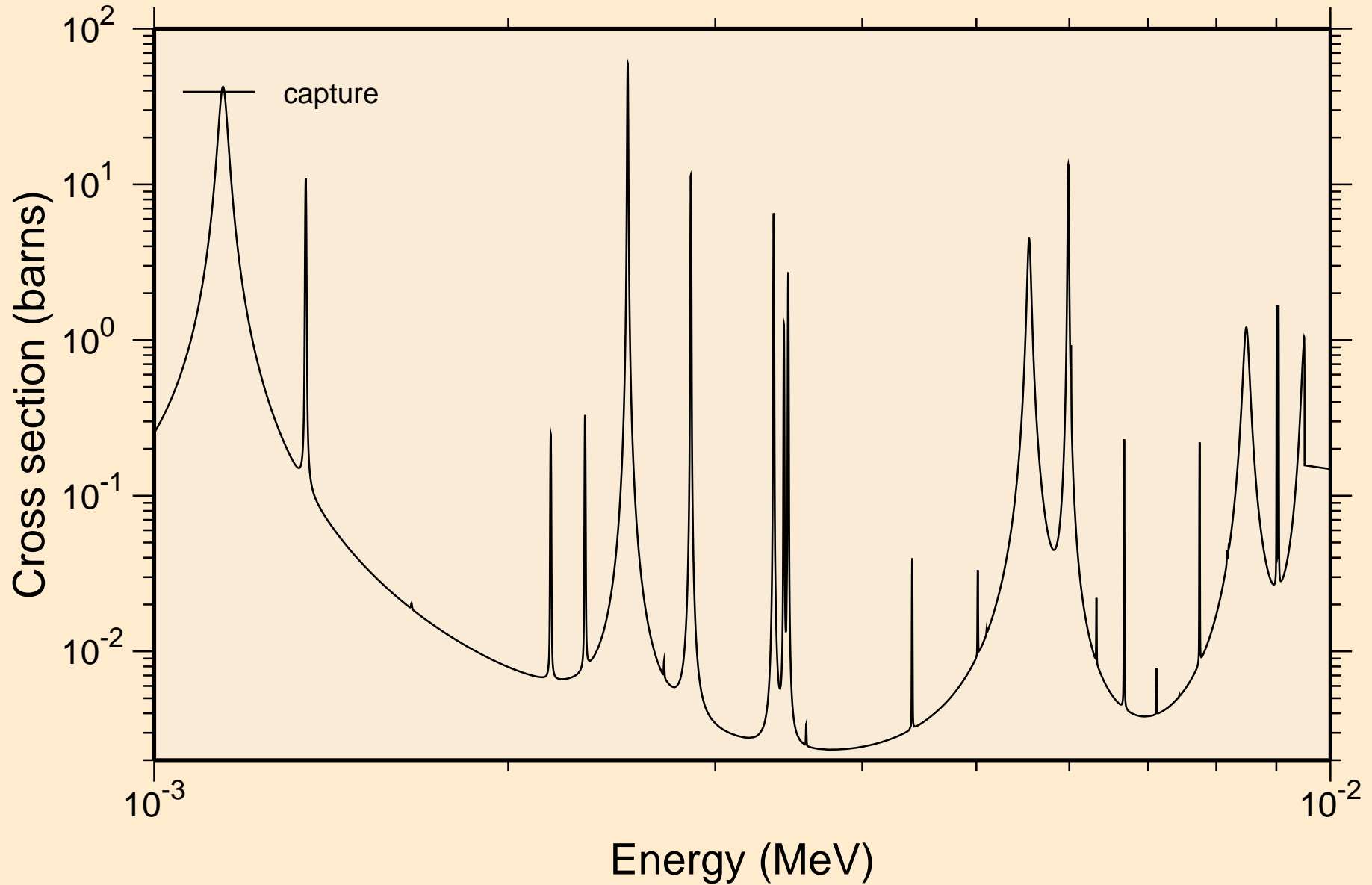
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



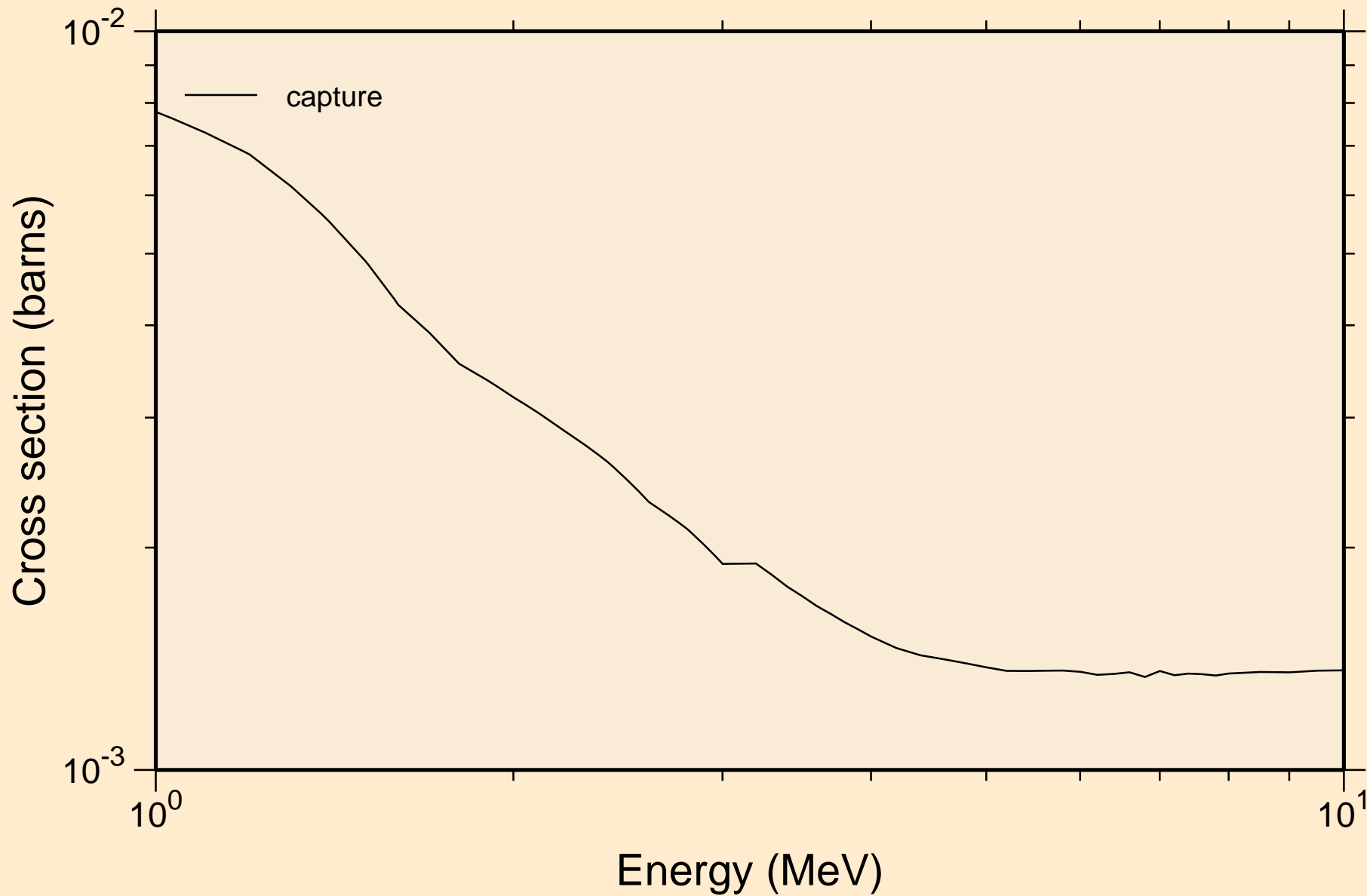
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



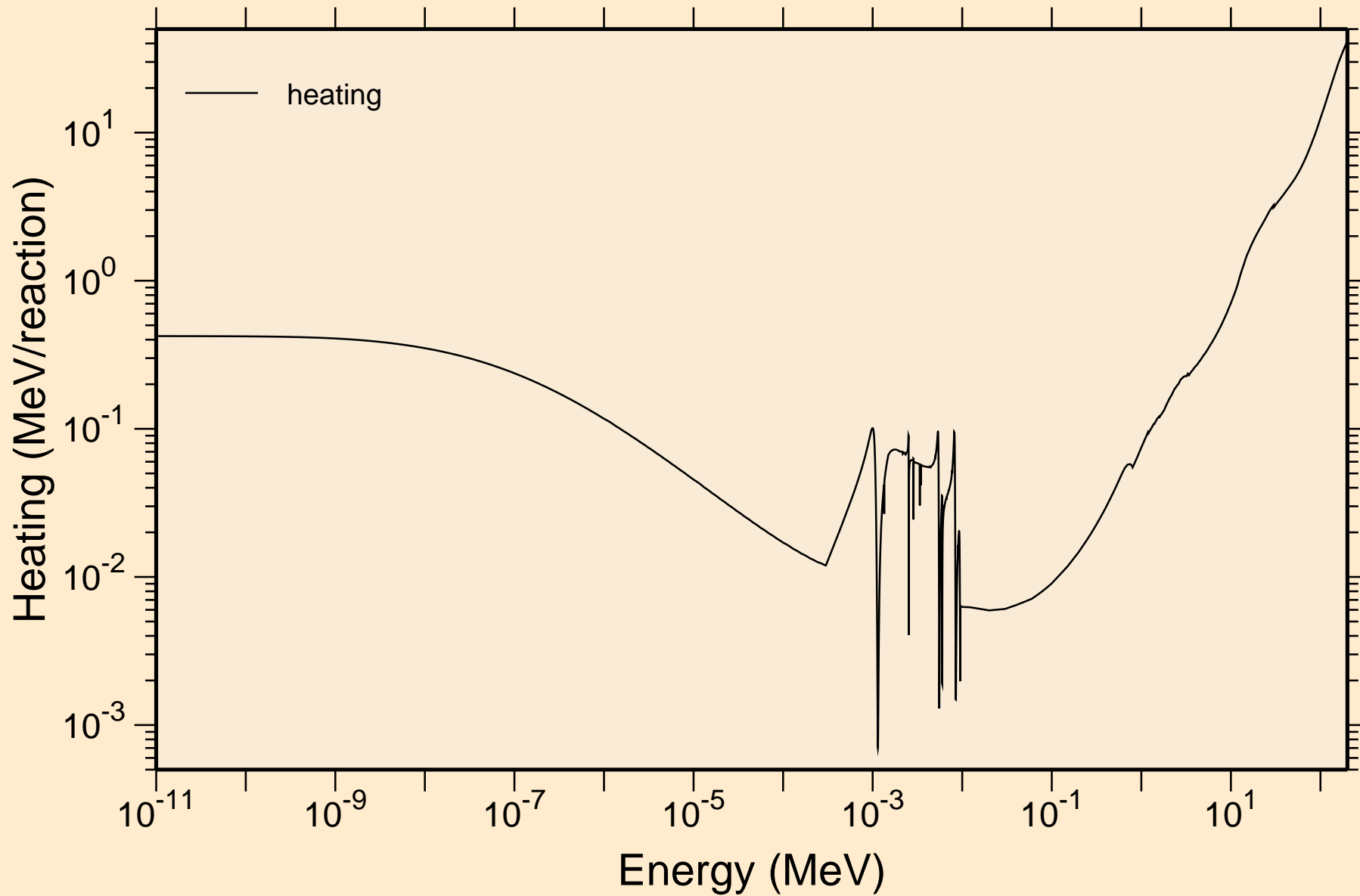
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



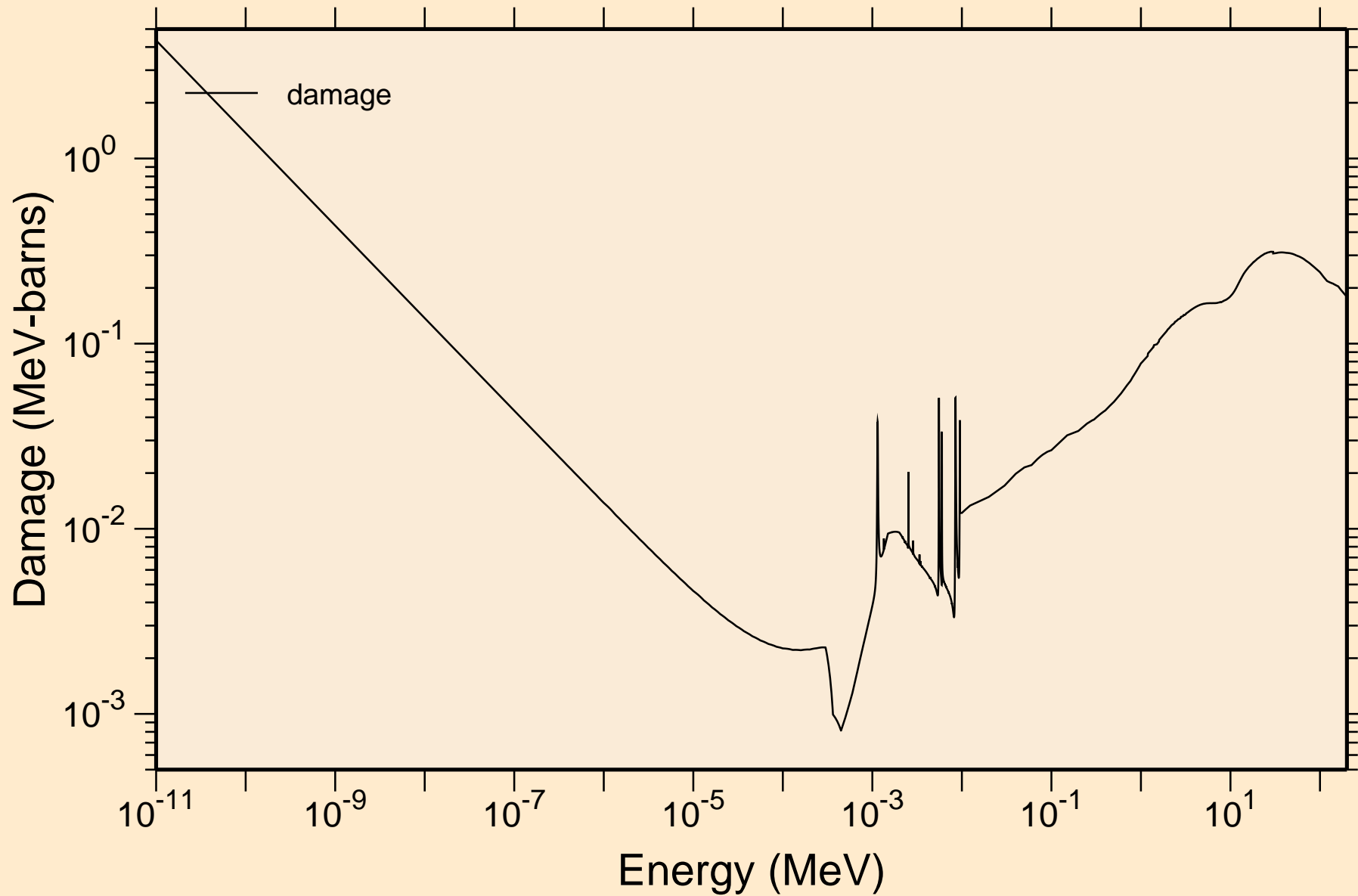
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



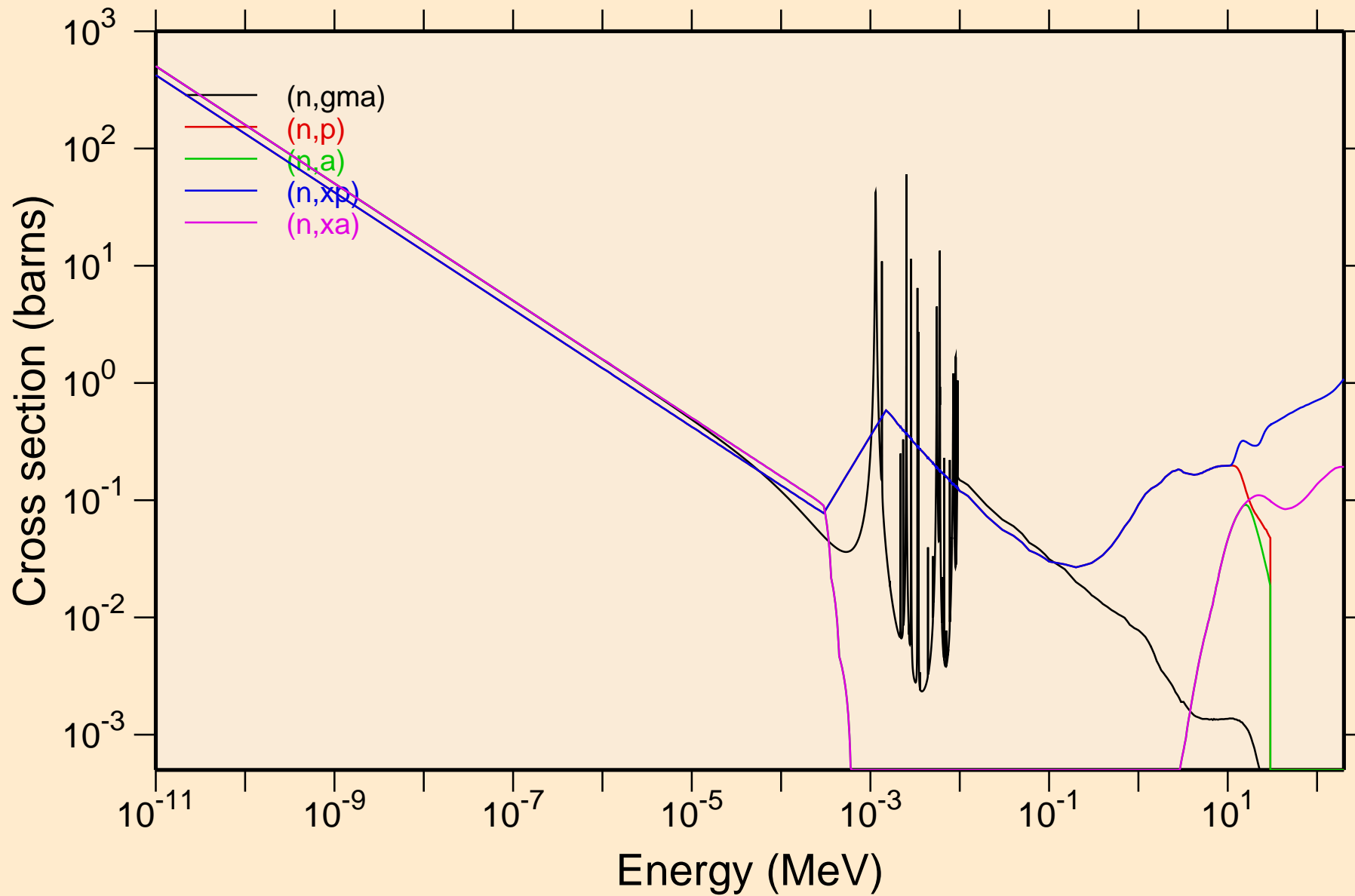
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



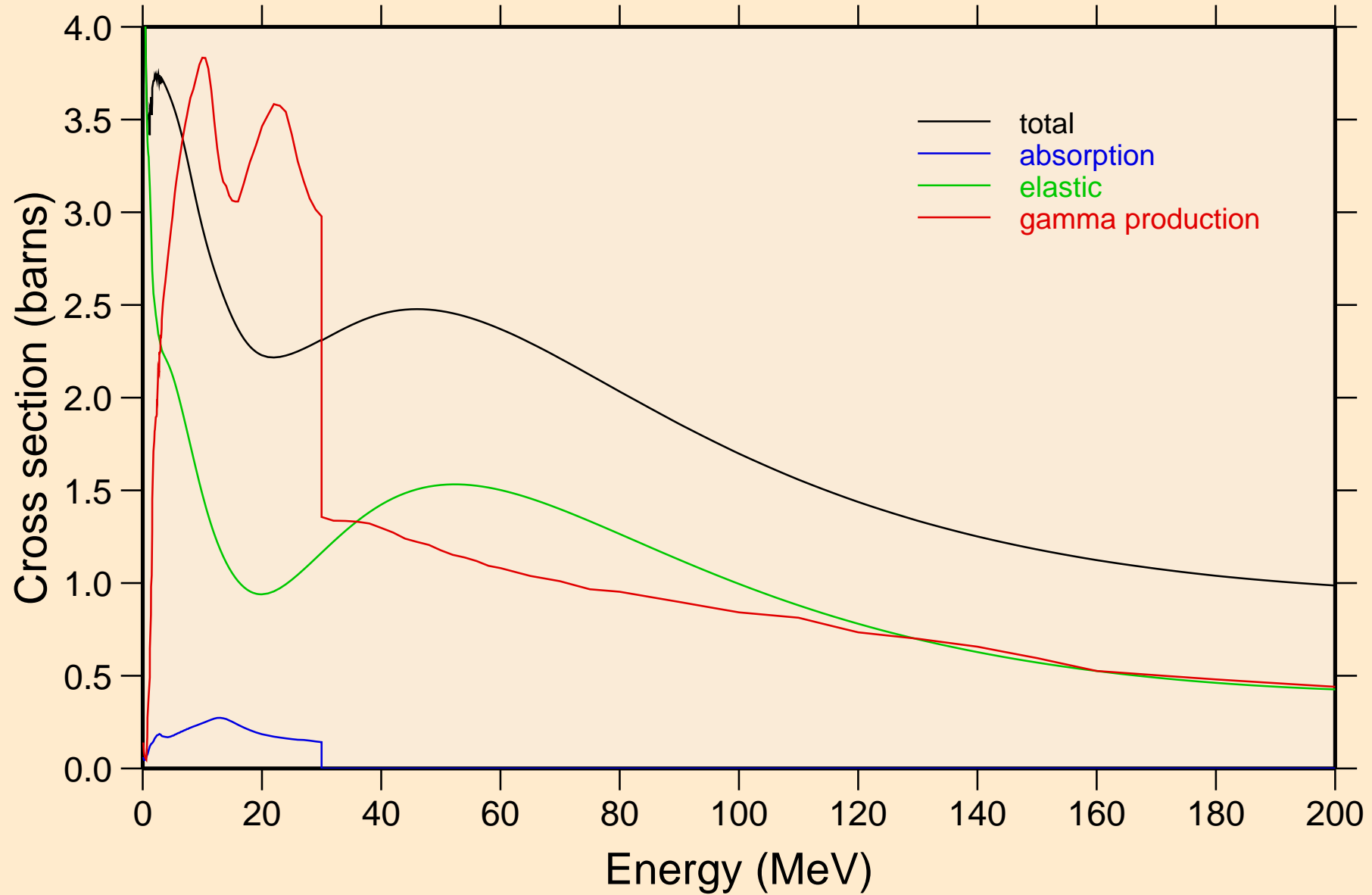


# CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

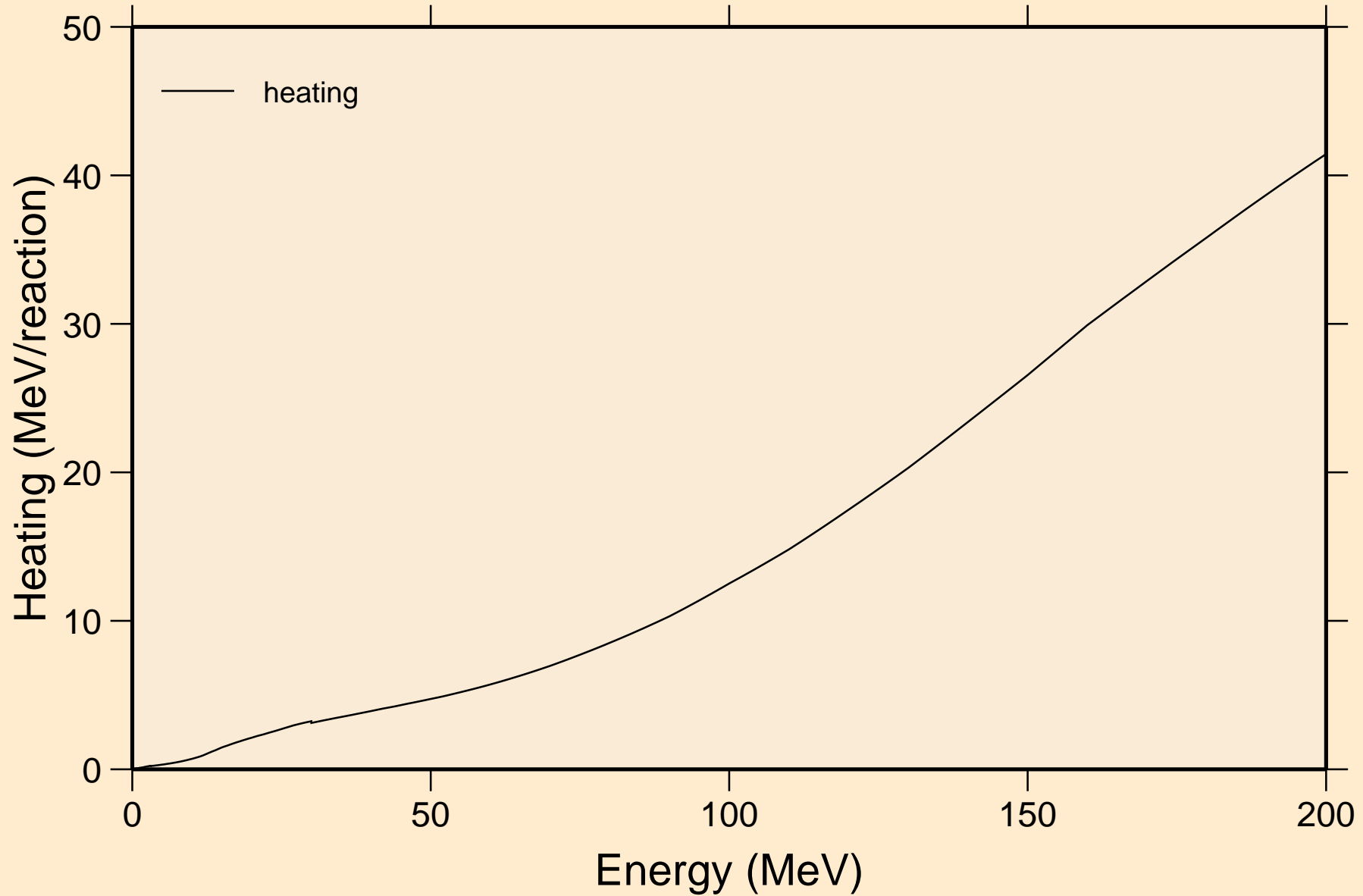
## Non-threshold reactions



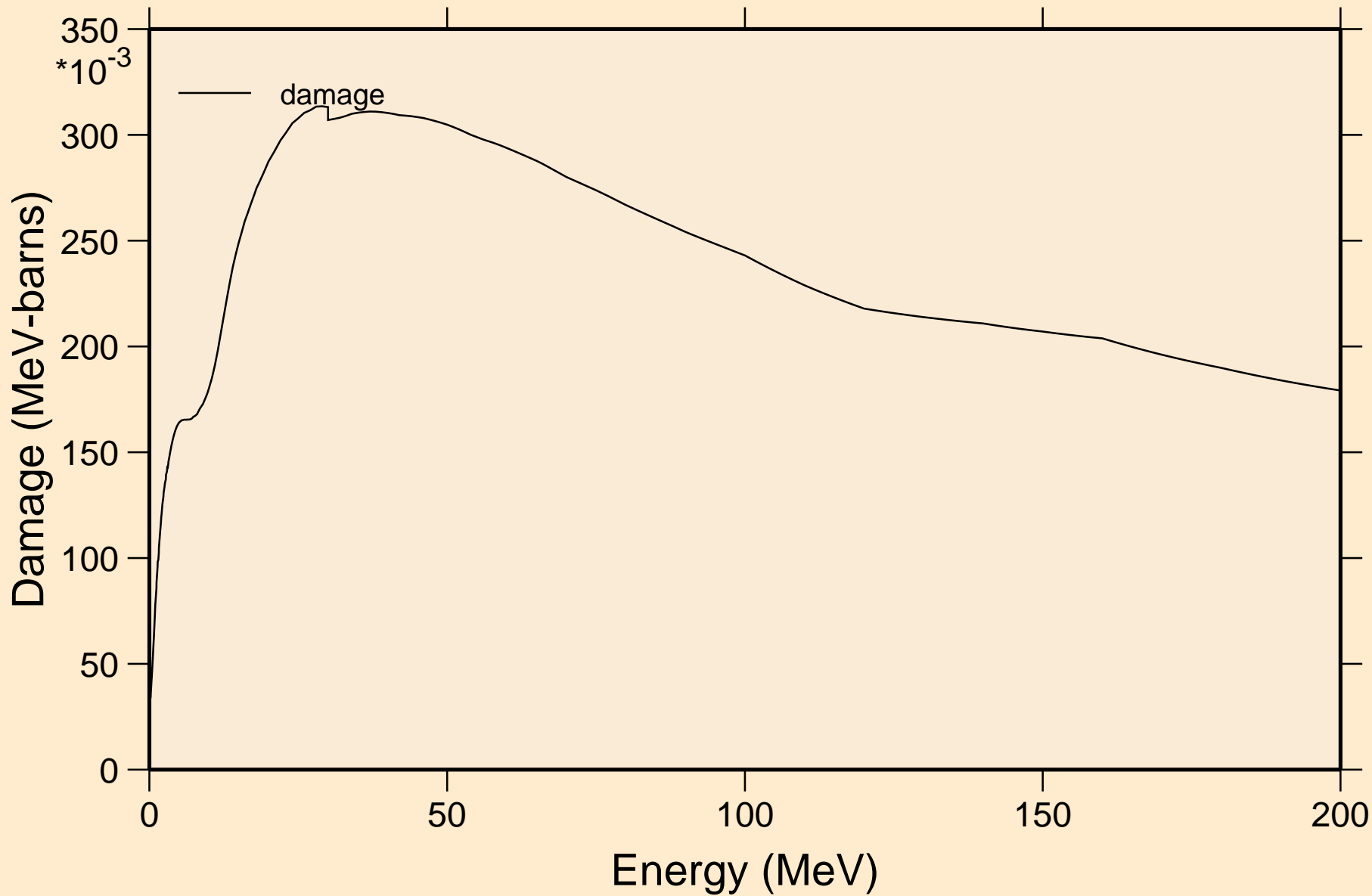
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



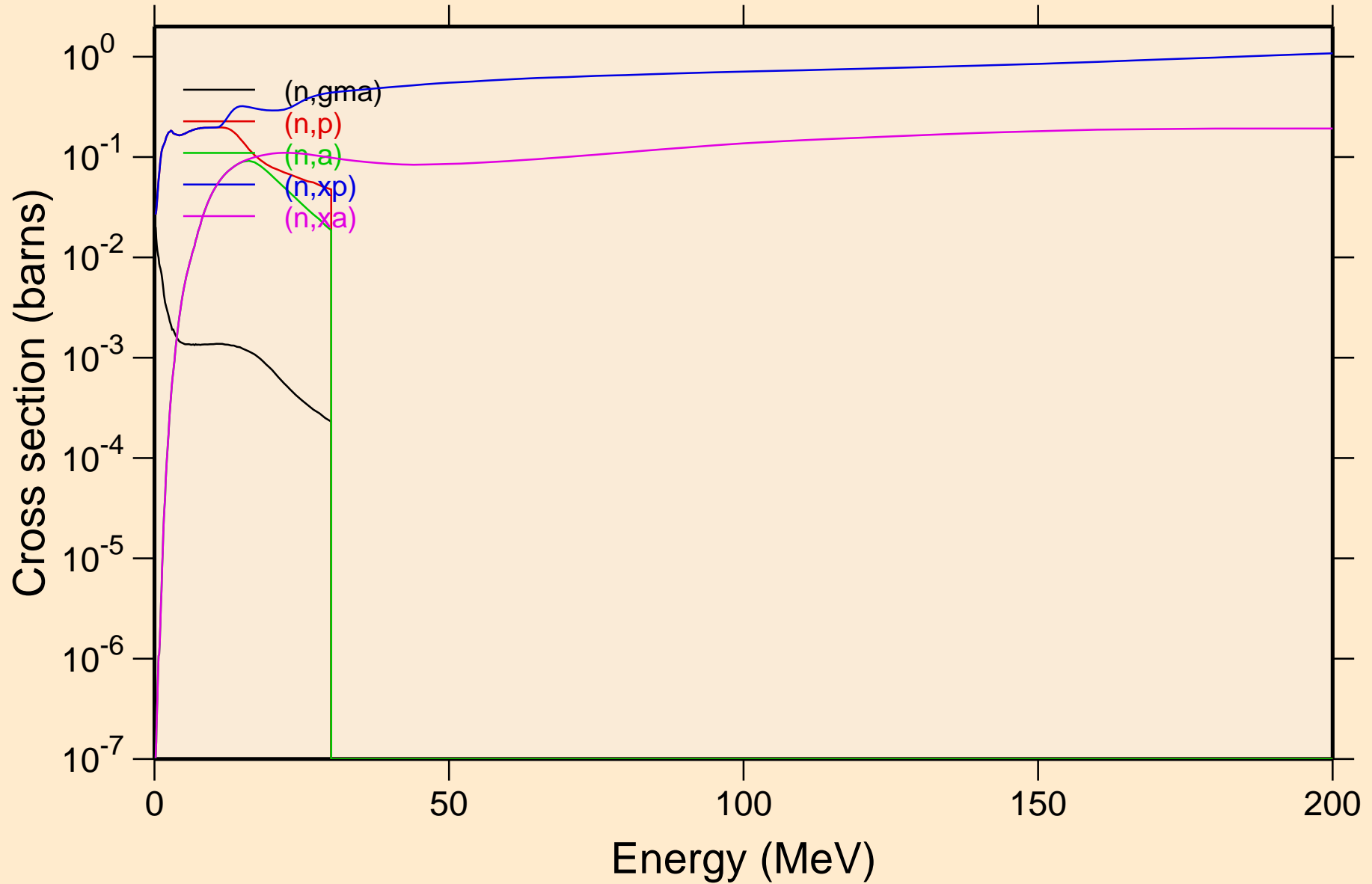
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



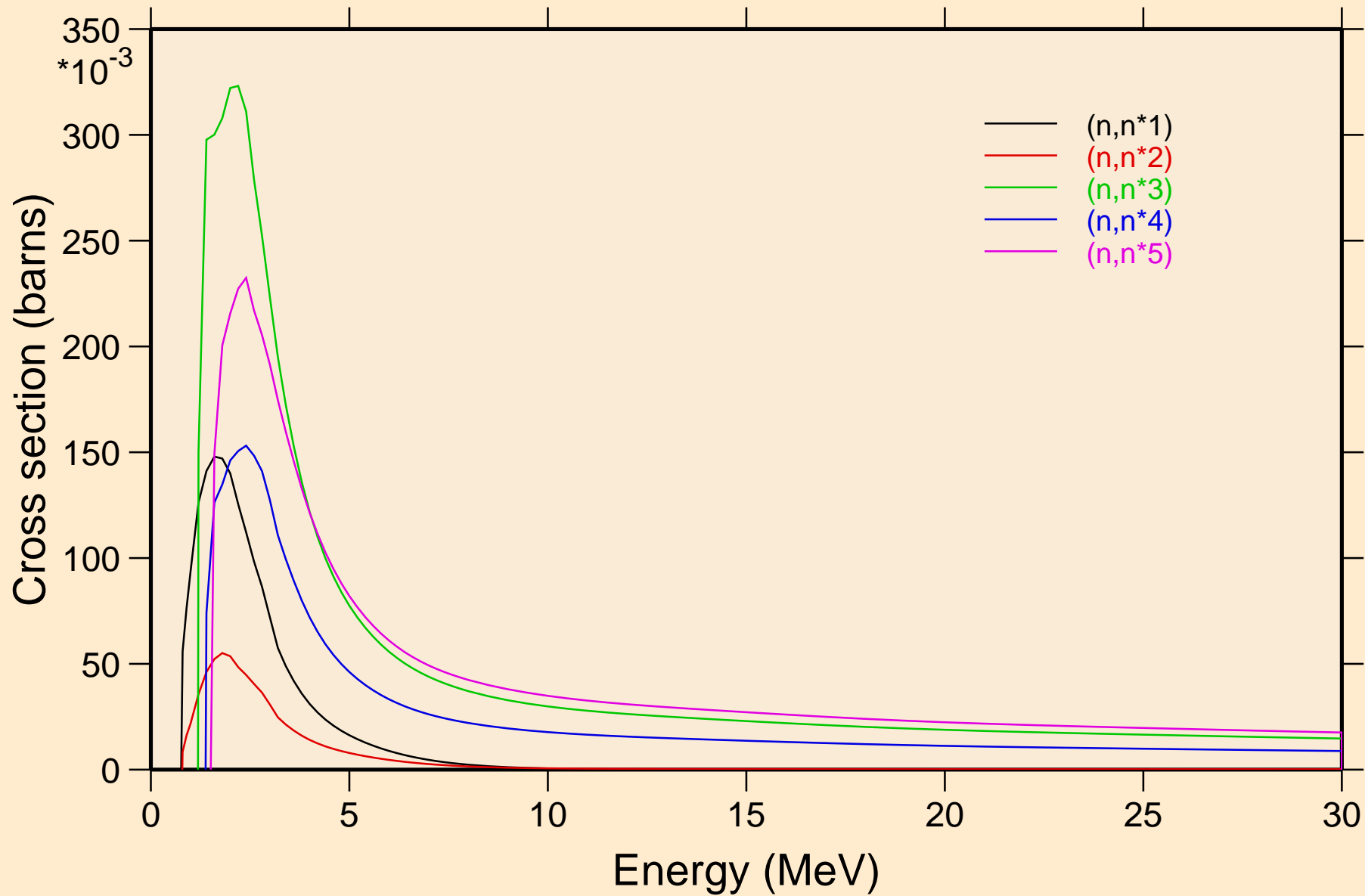
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



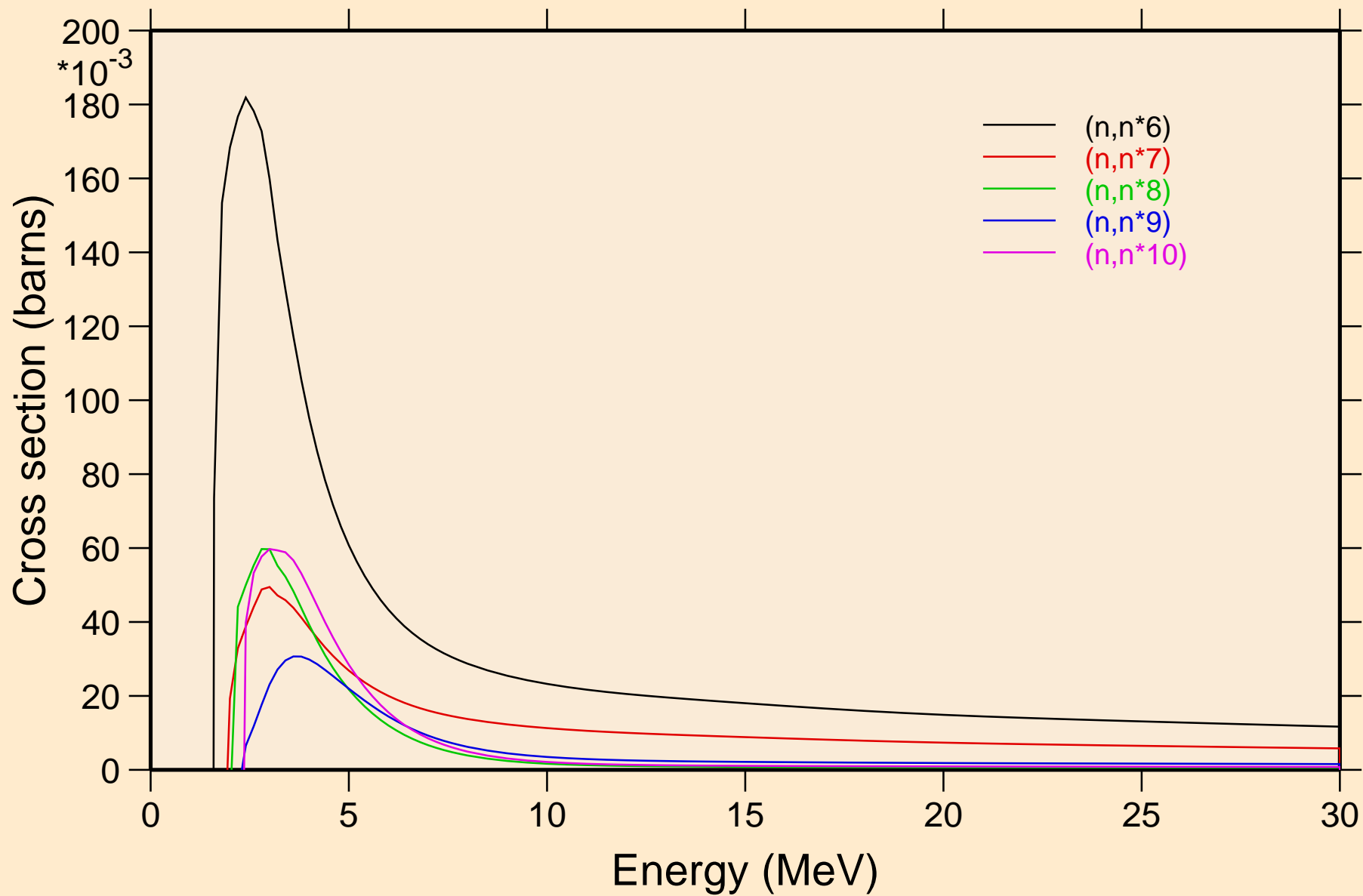
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



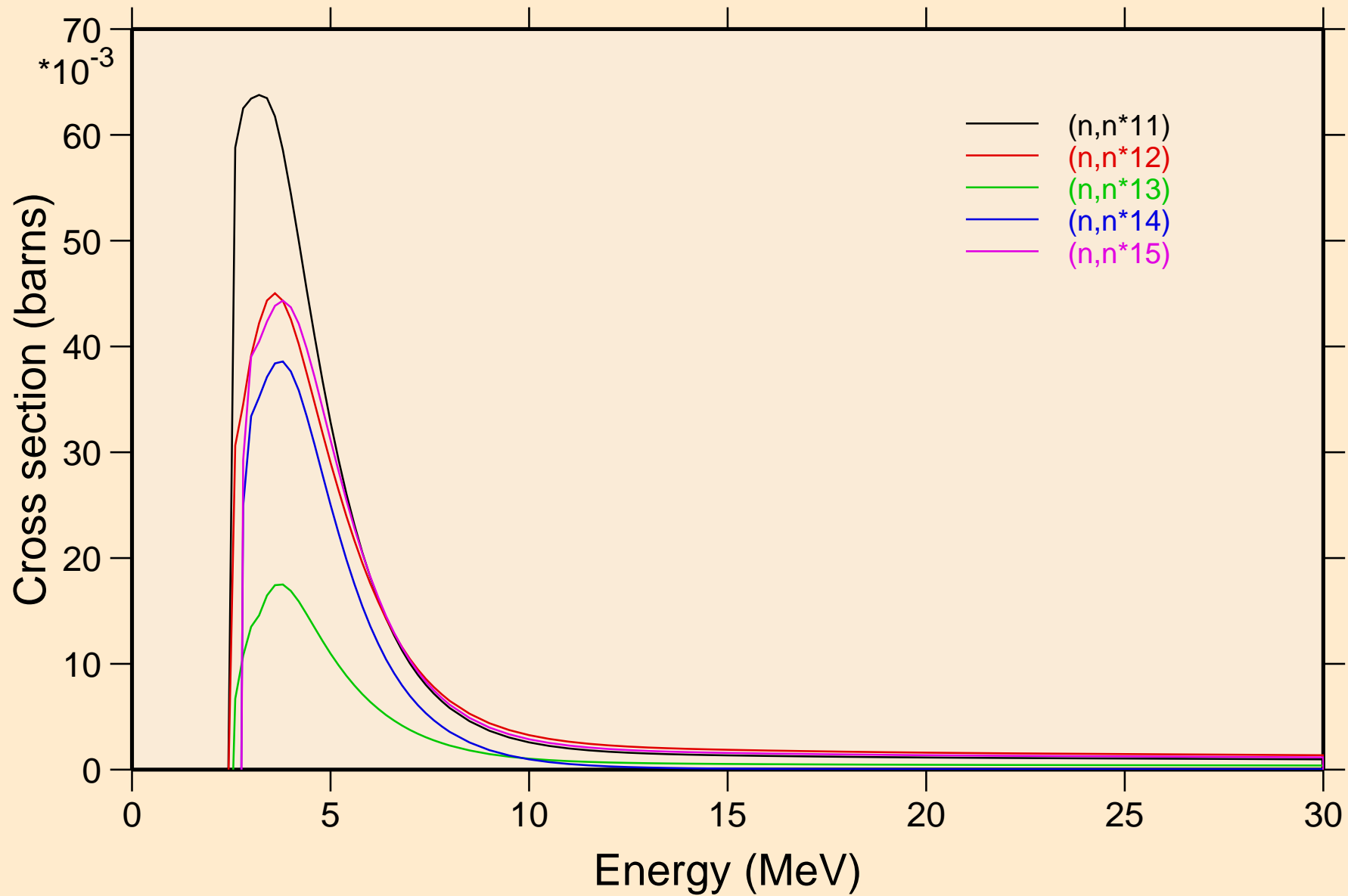
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

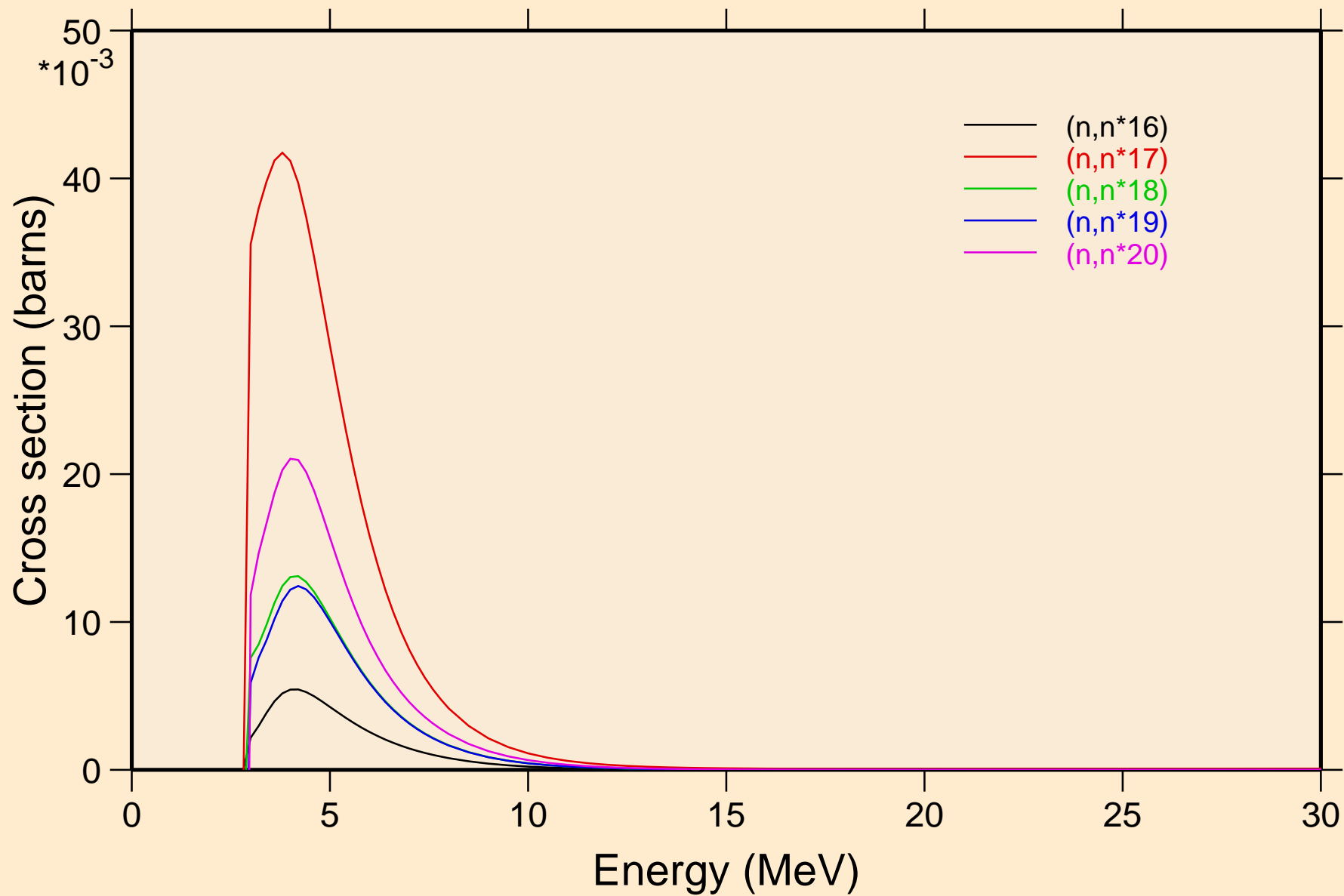


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

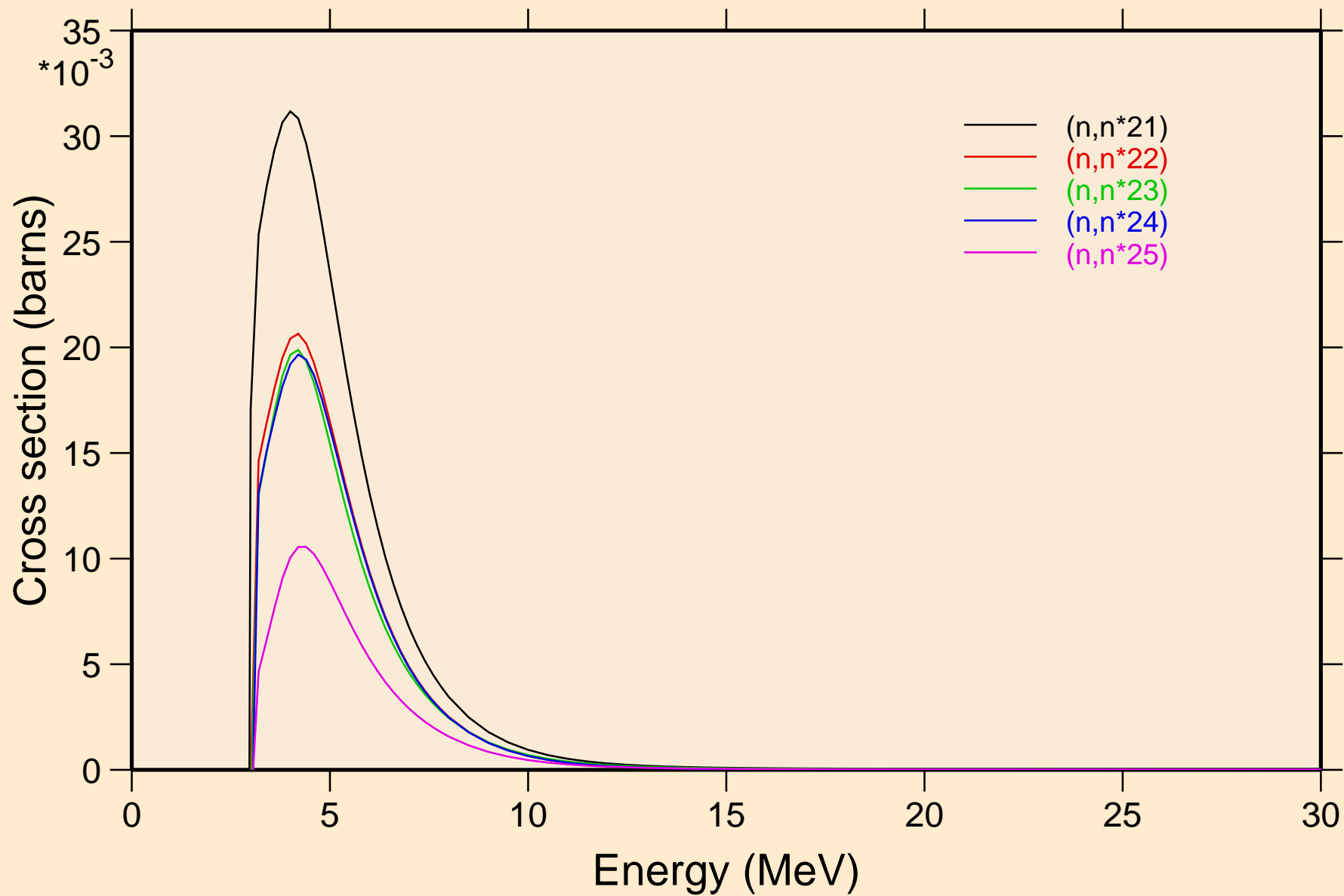




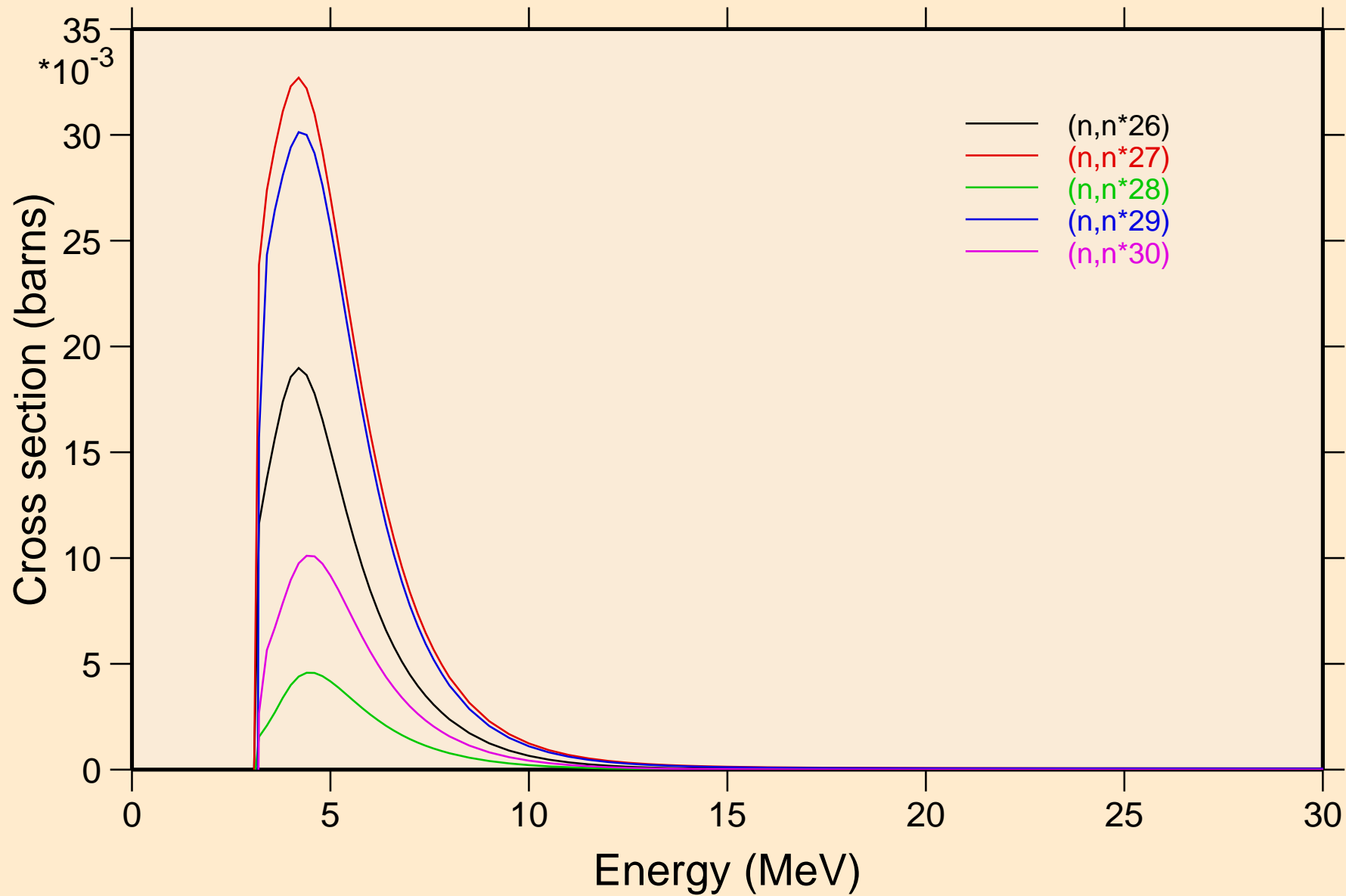
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



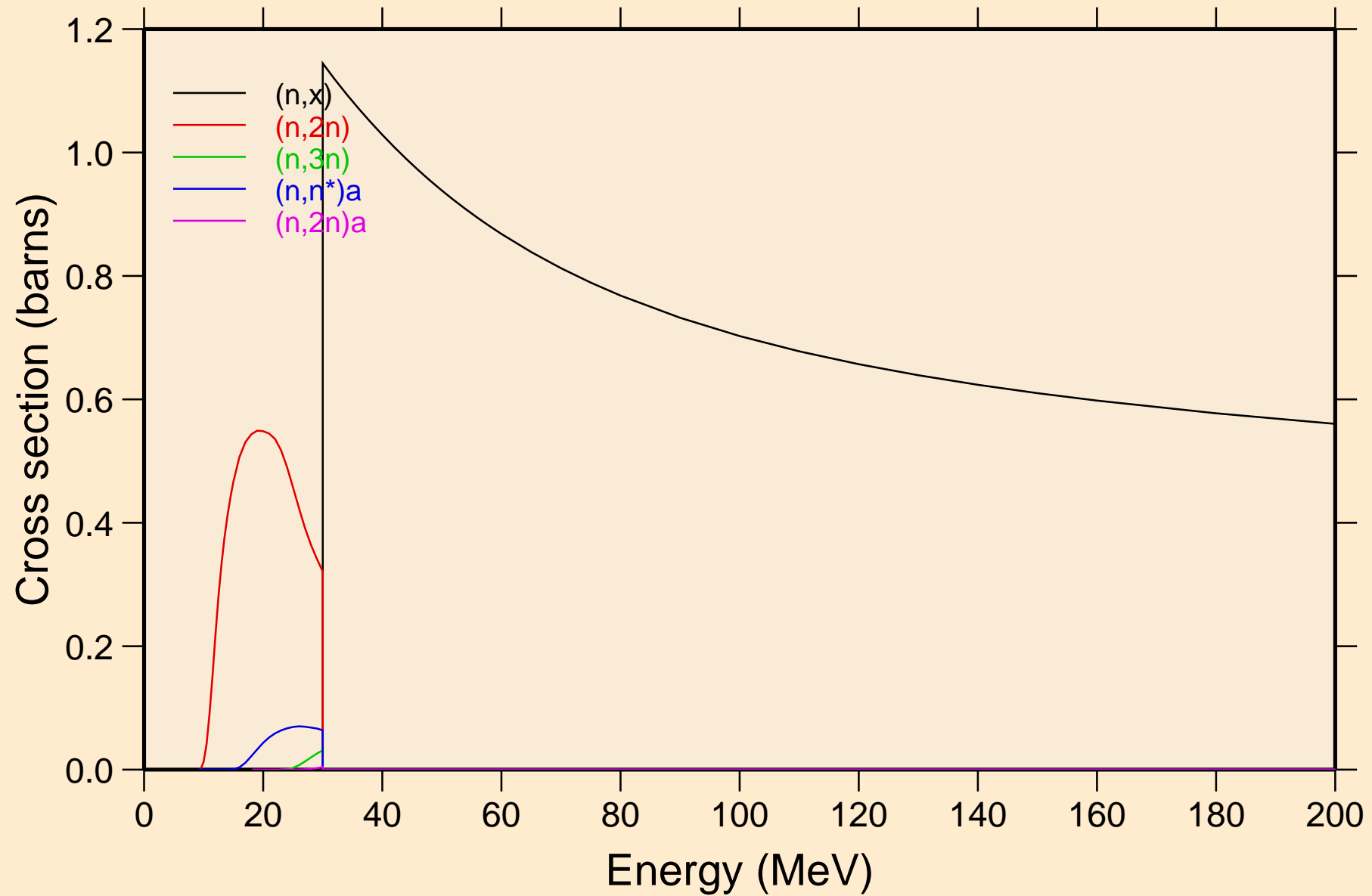
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

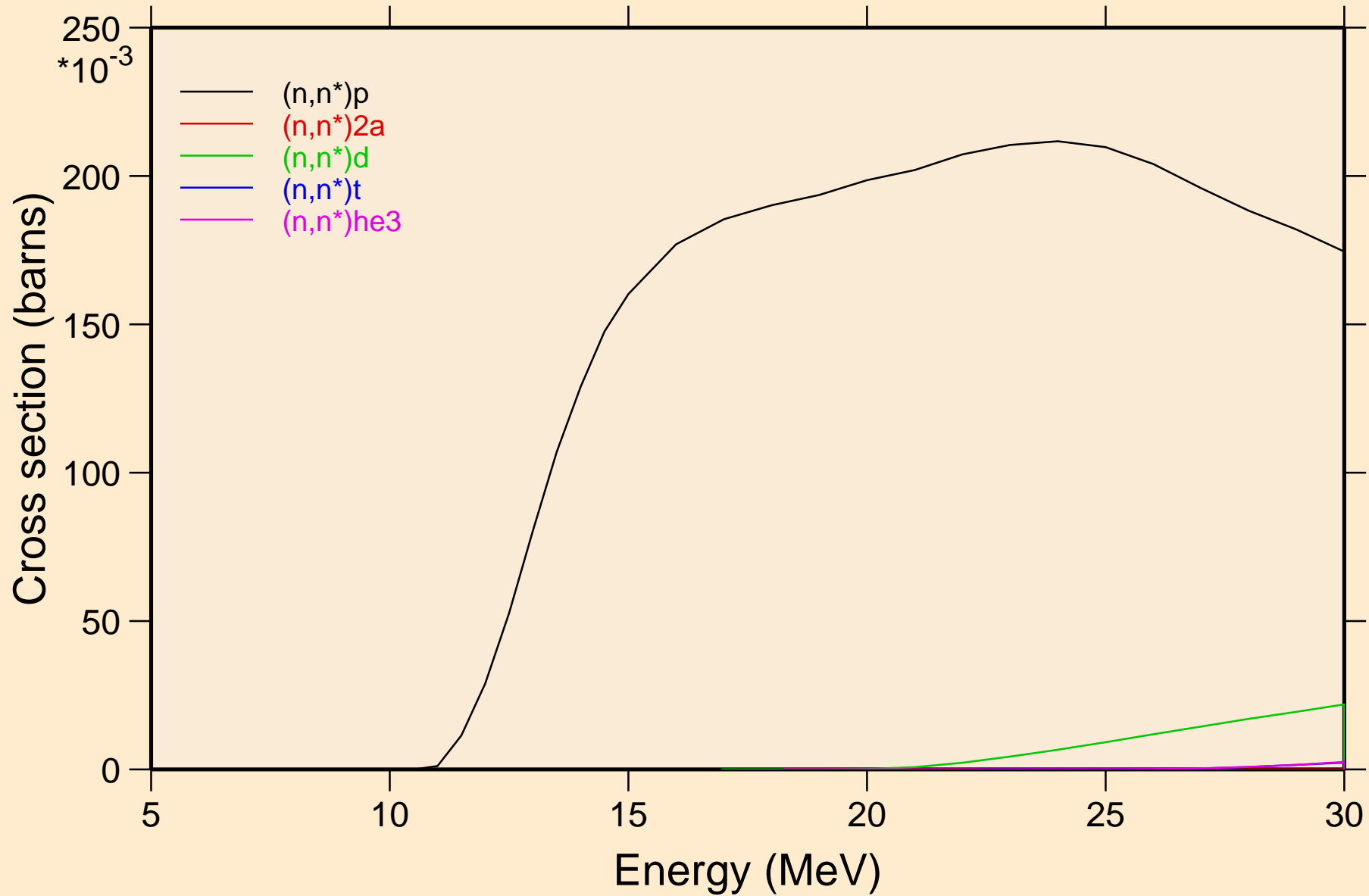


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

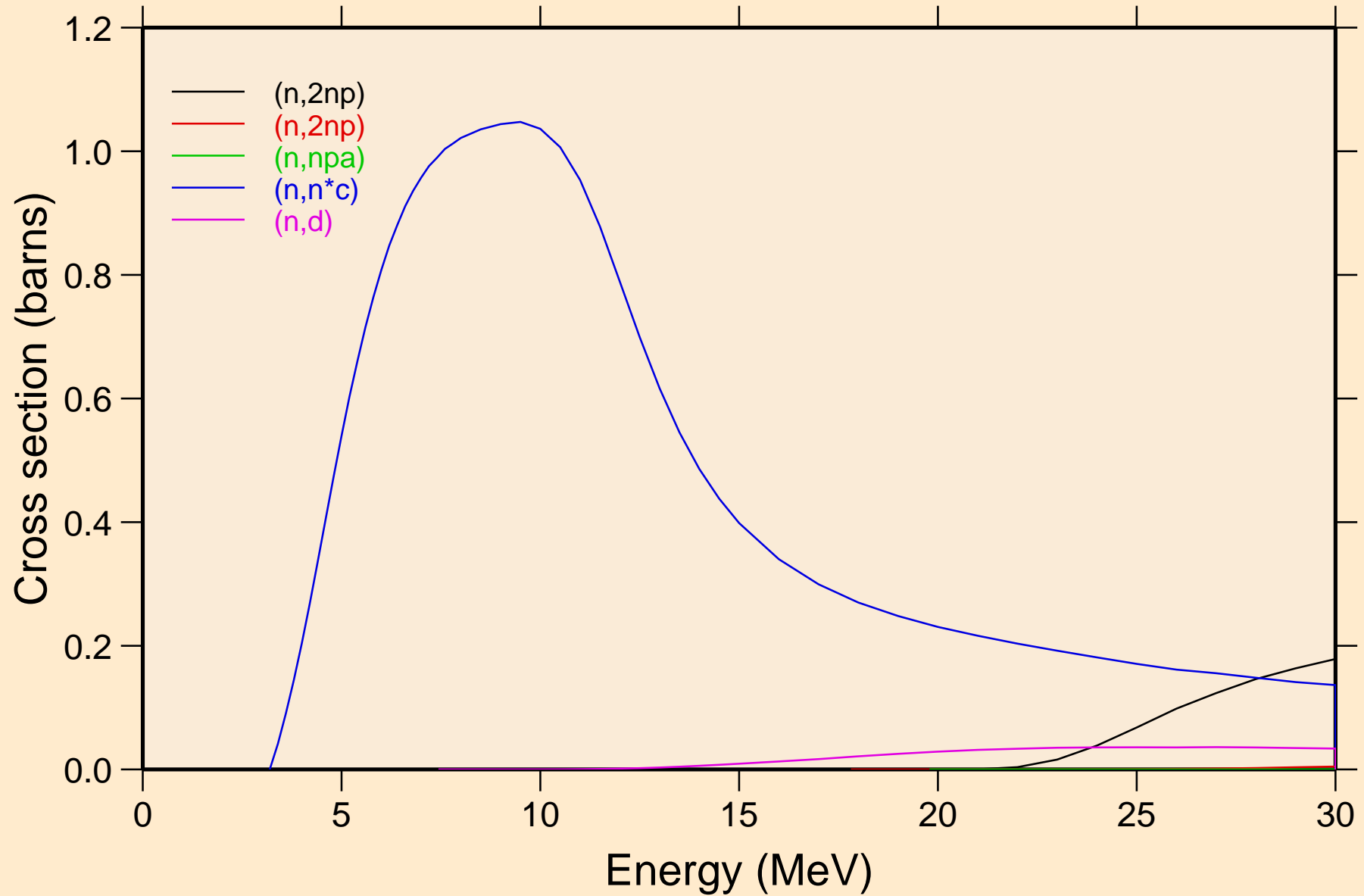


# CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

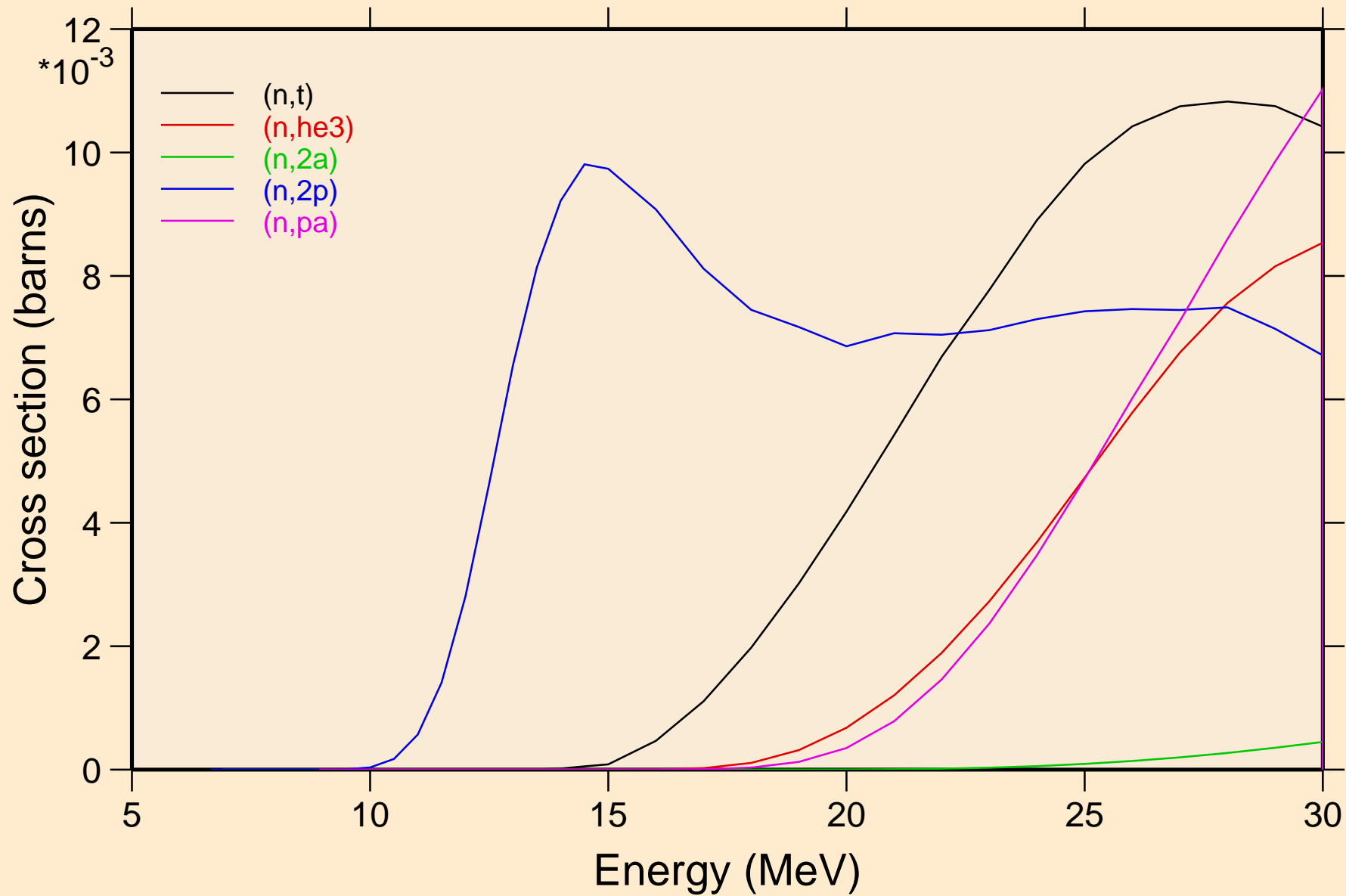
## Threshold reactions



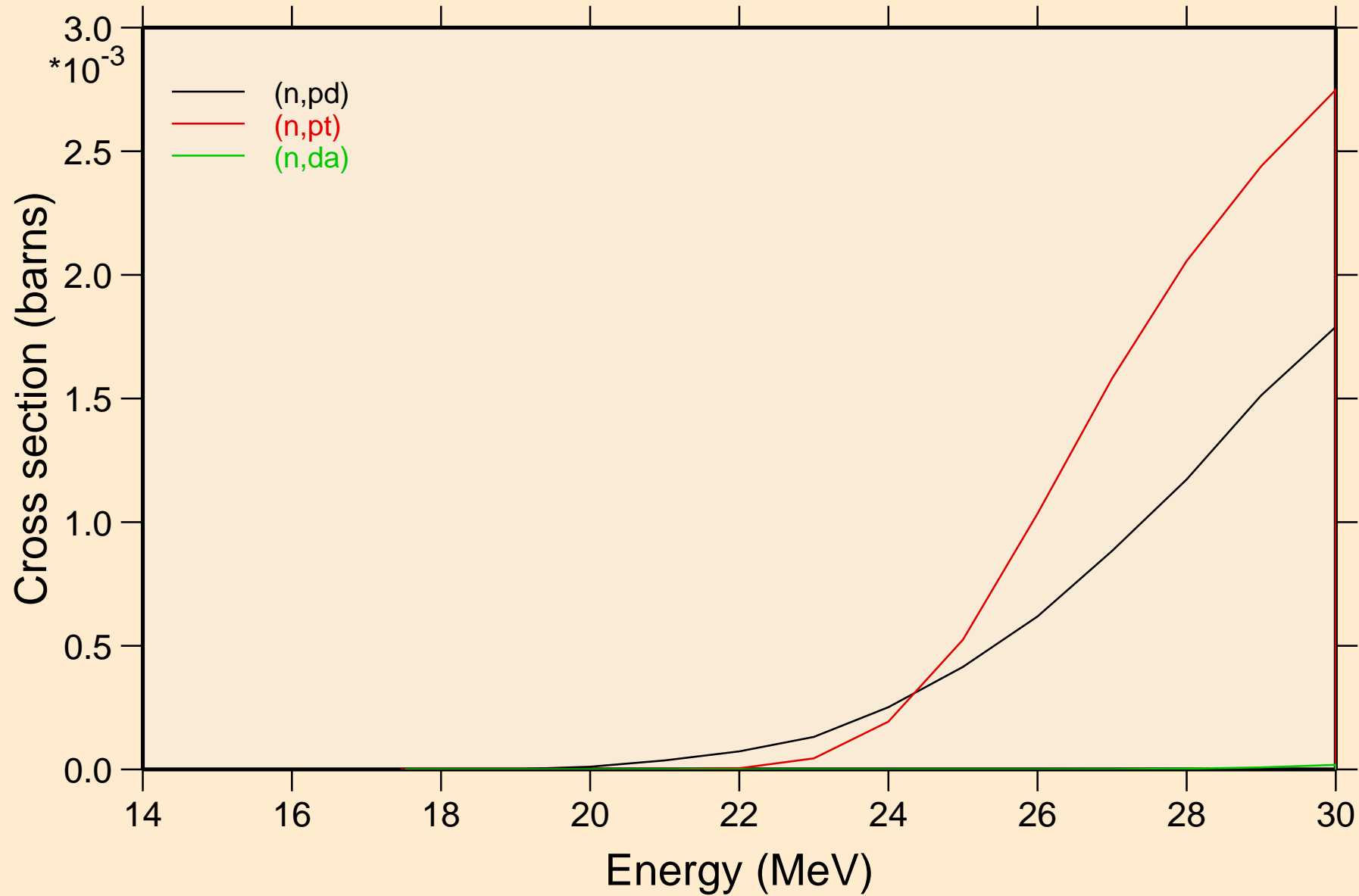
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

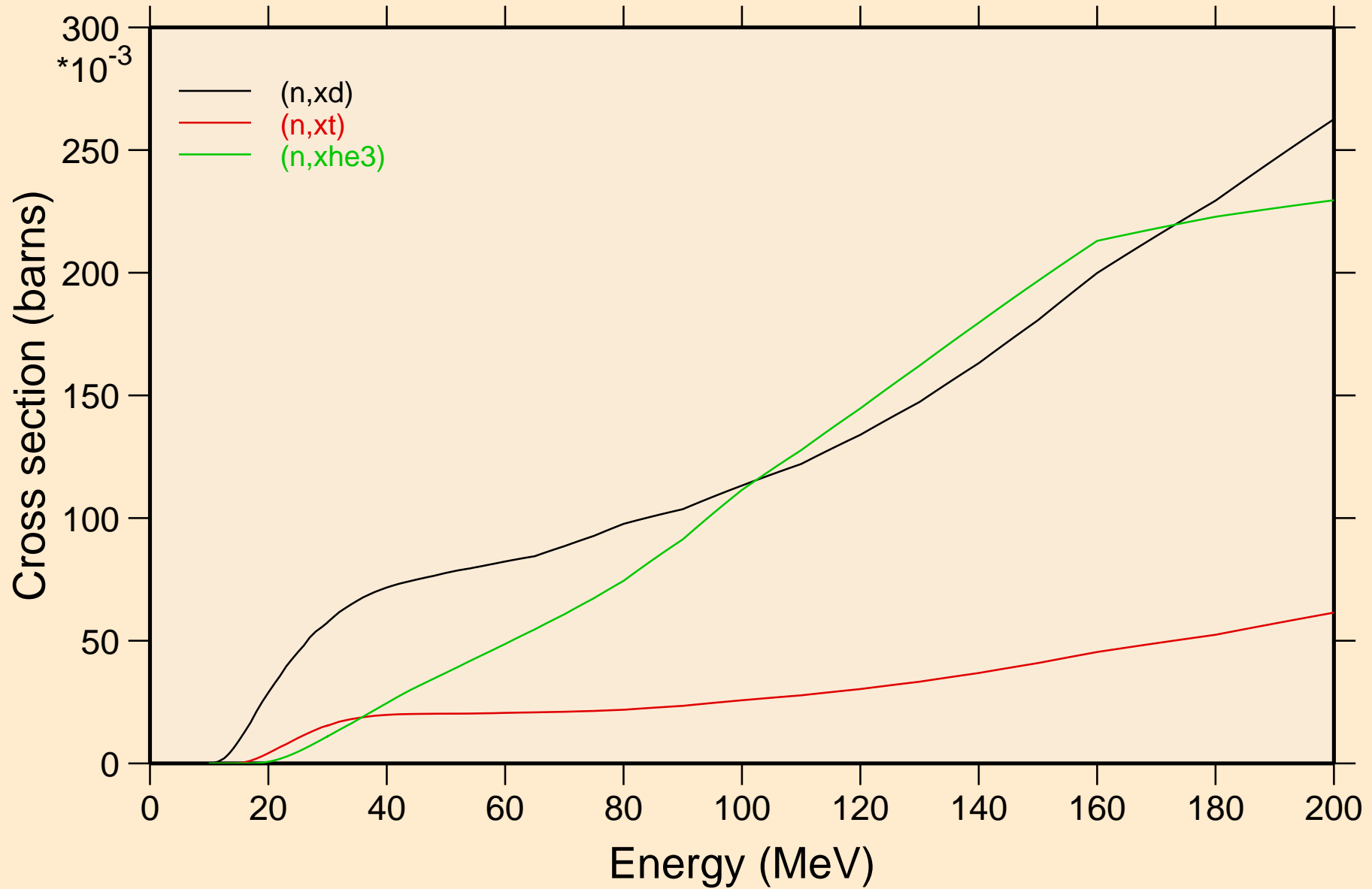


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

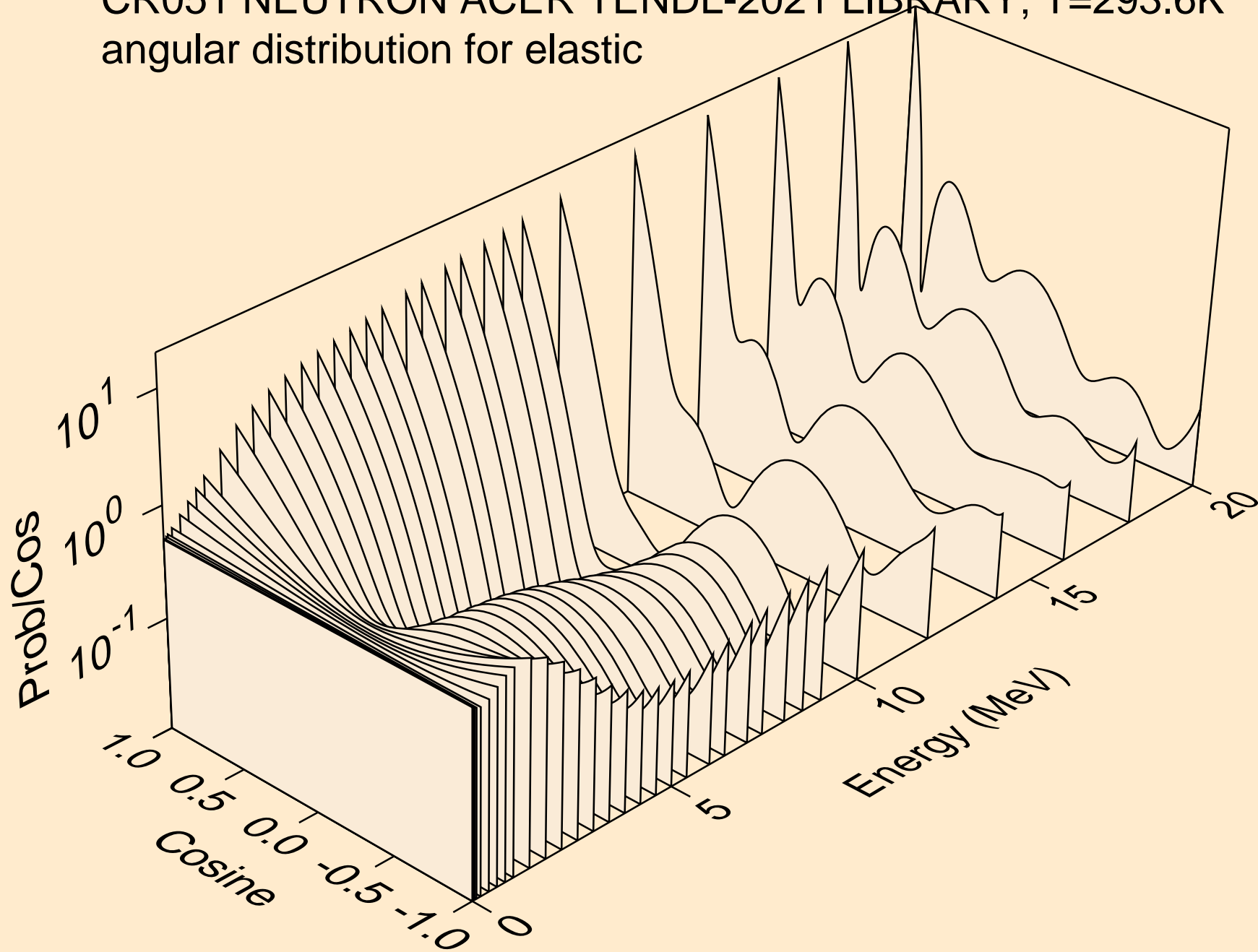




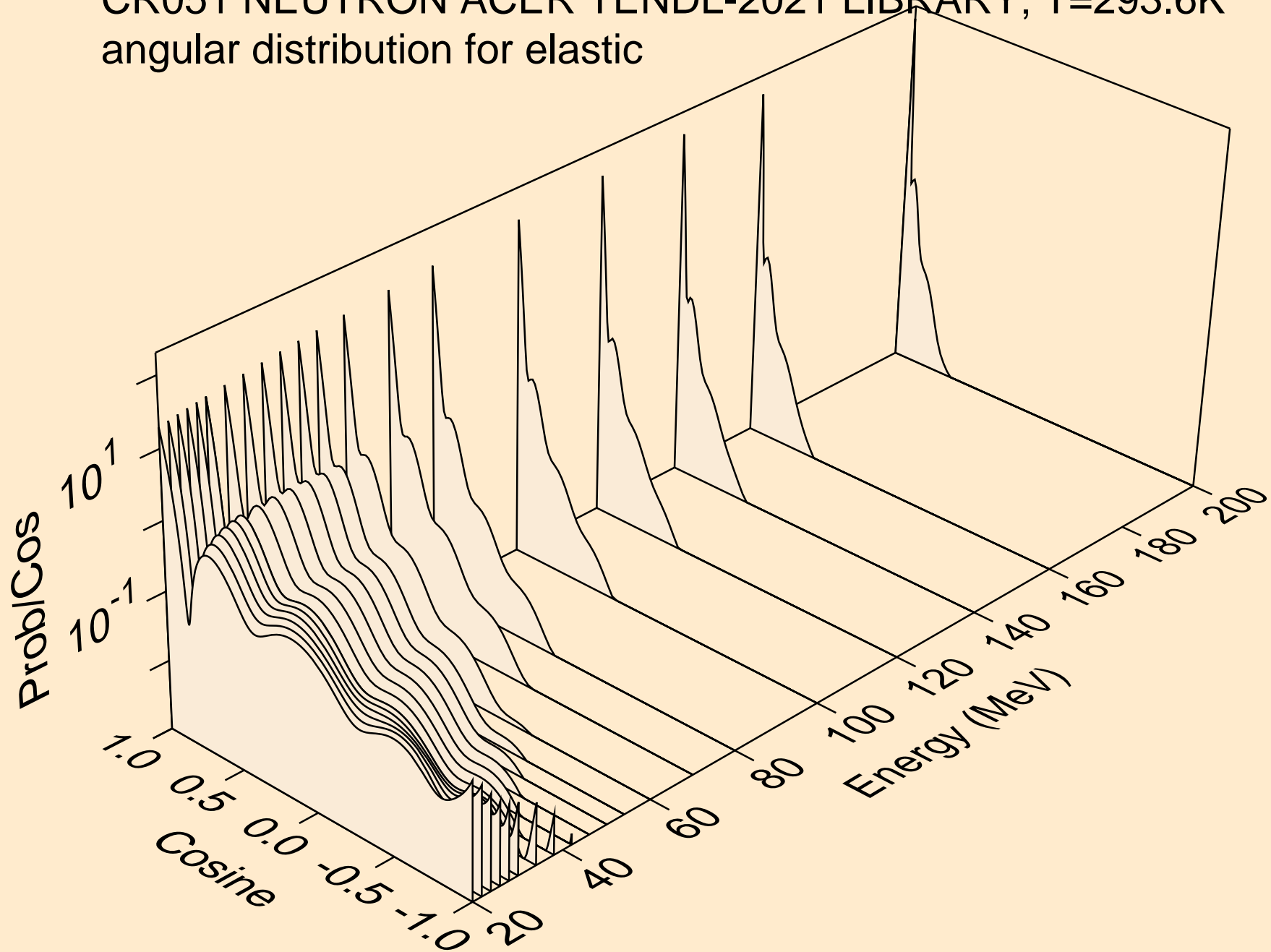
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



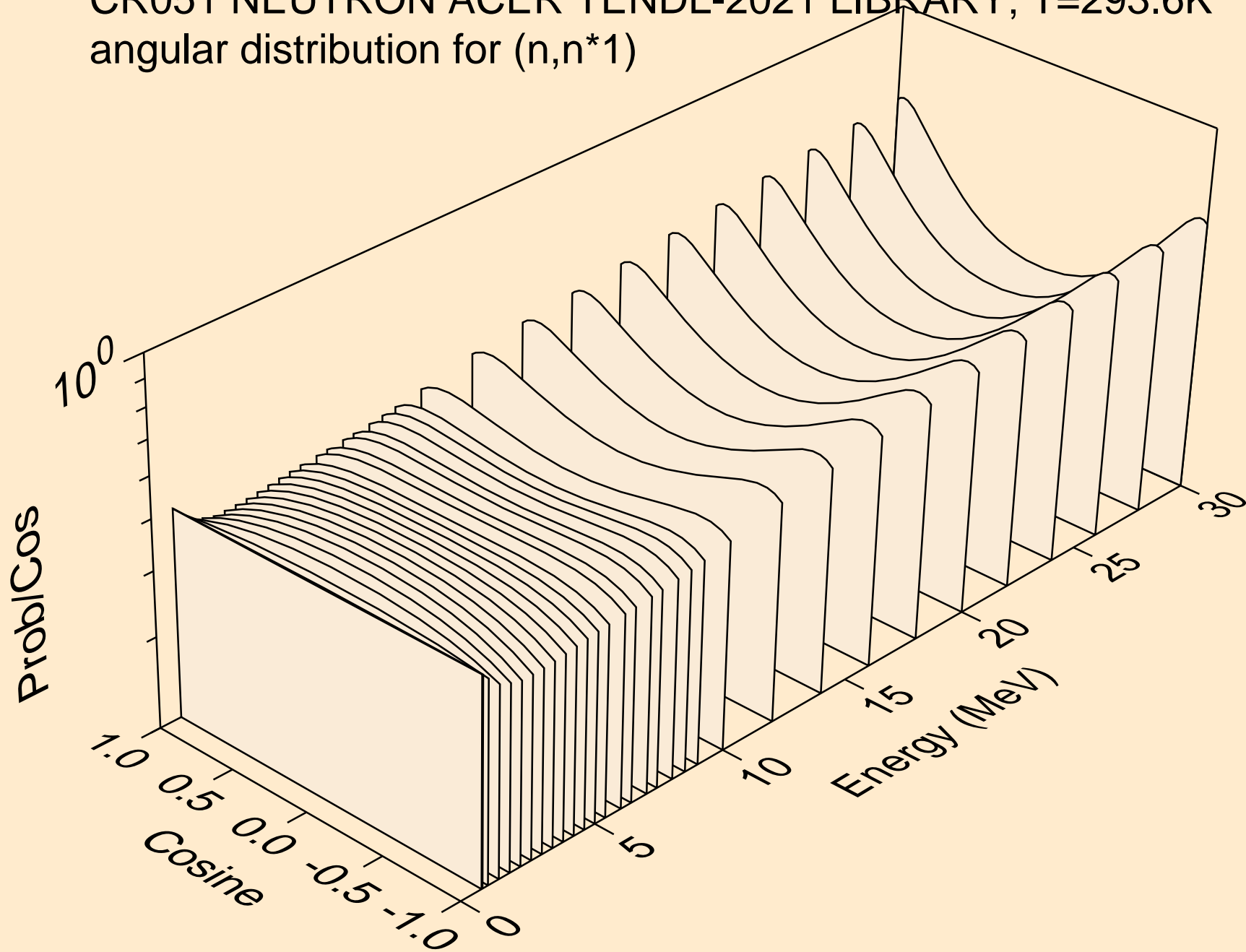
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



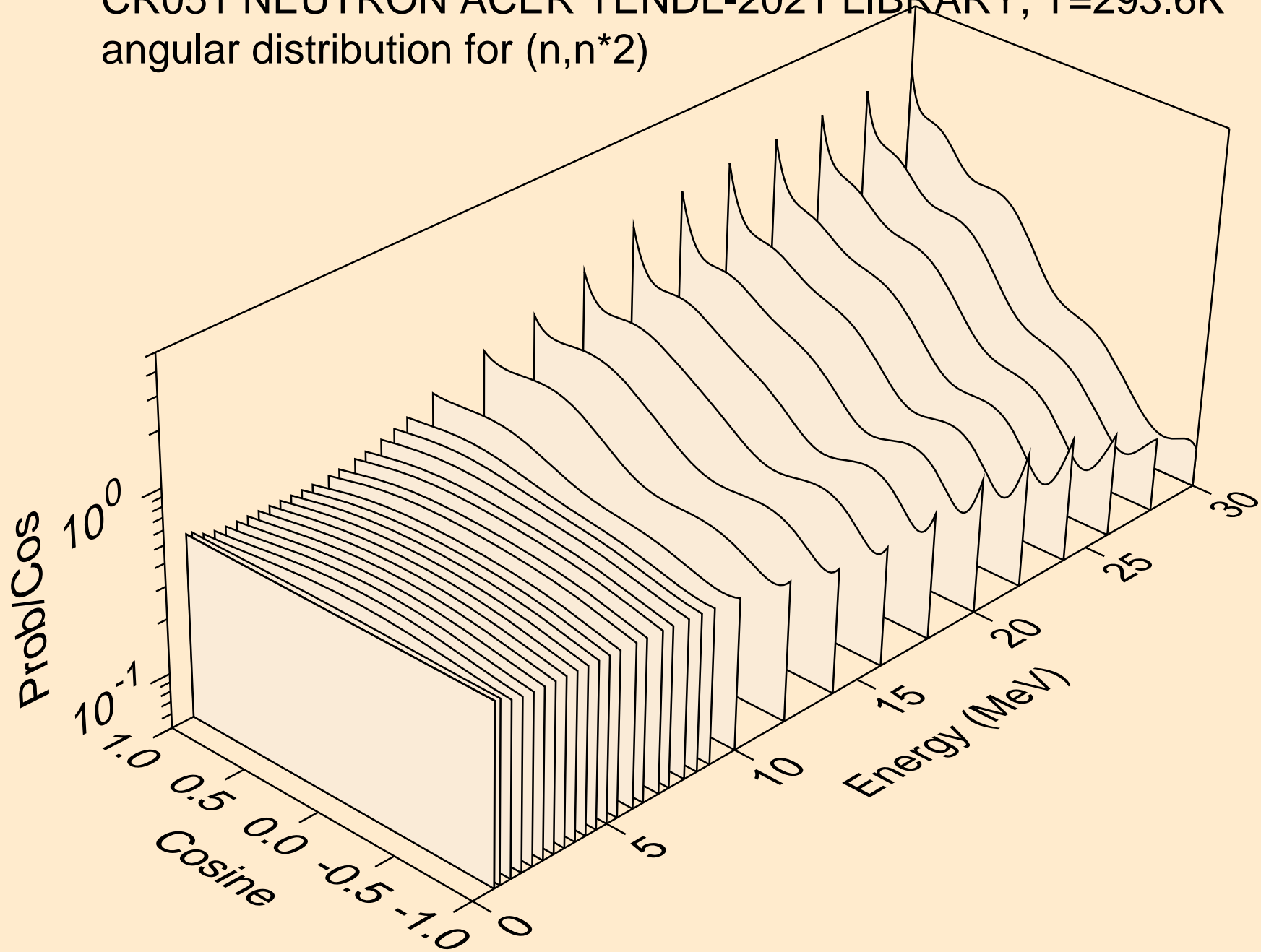
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



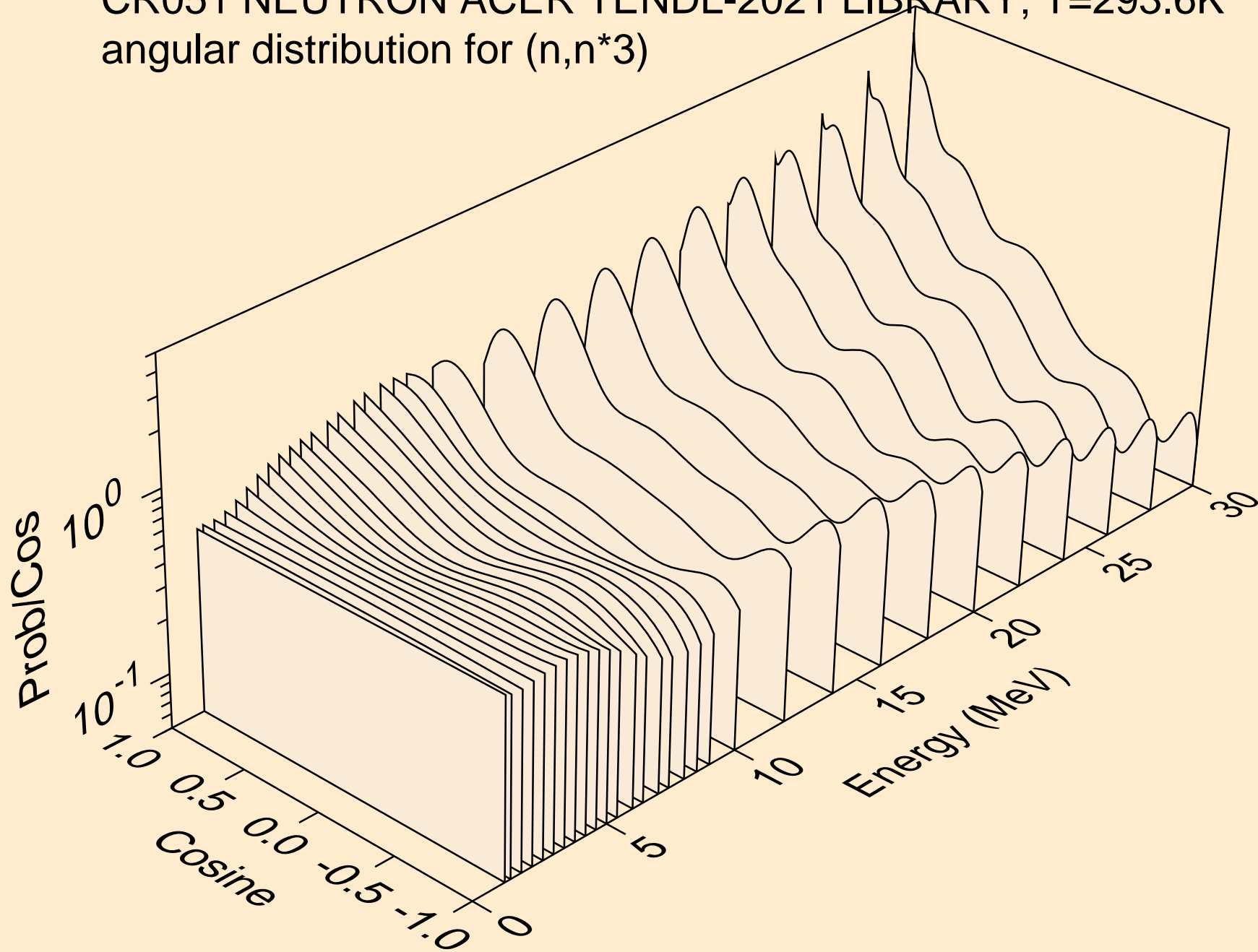
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



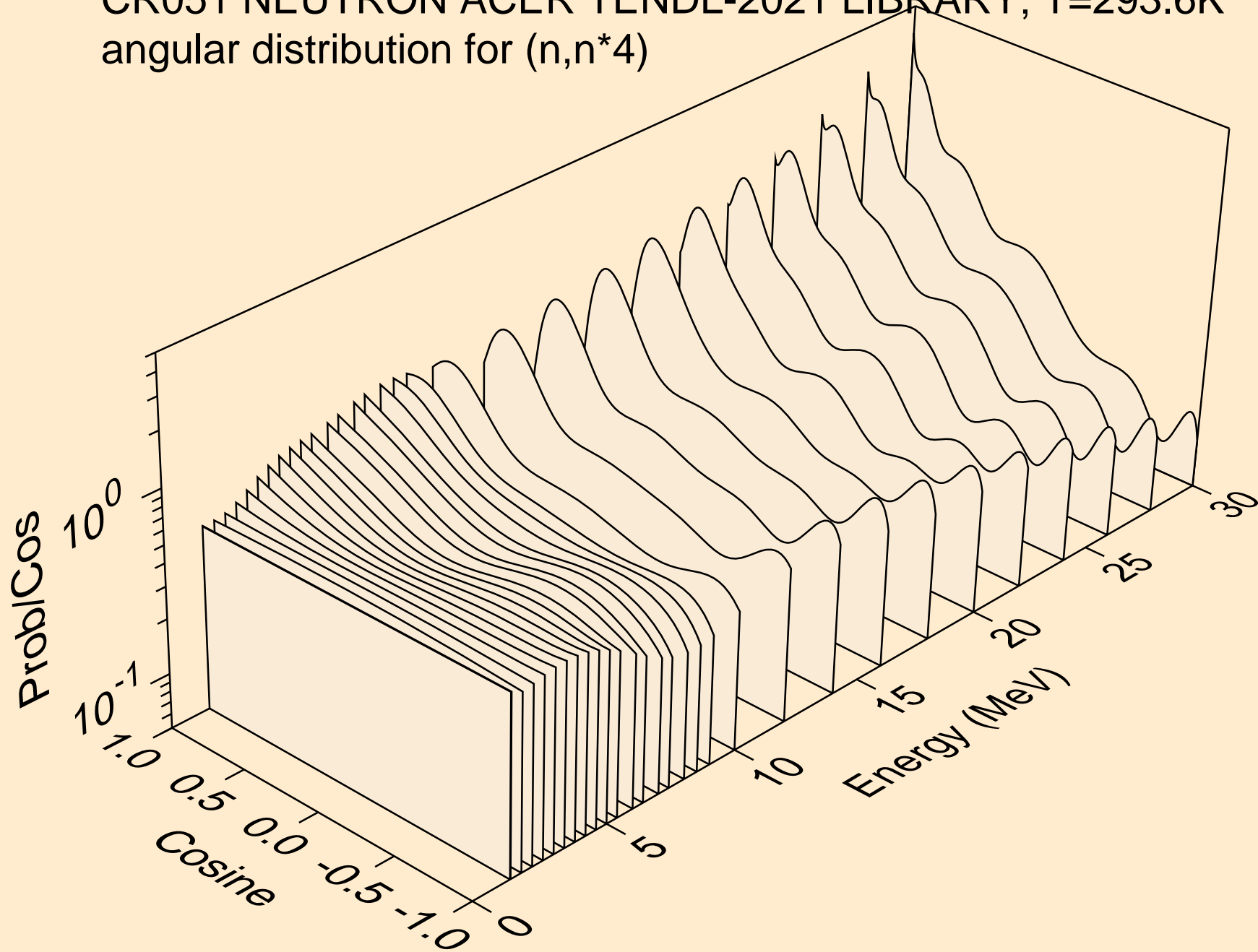
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



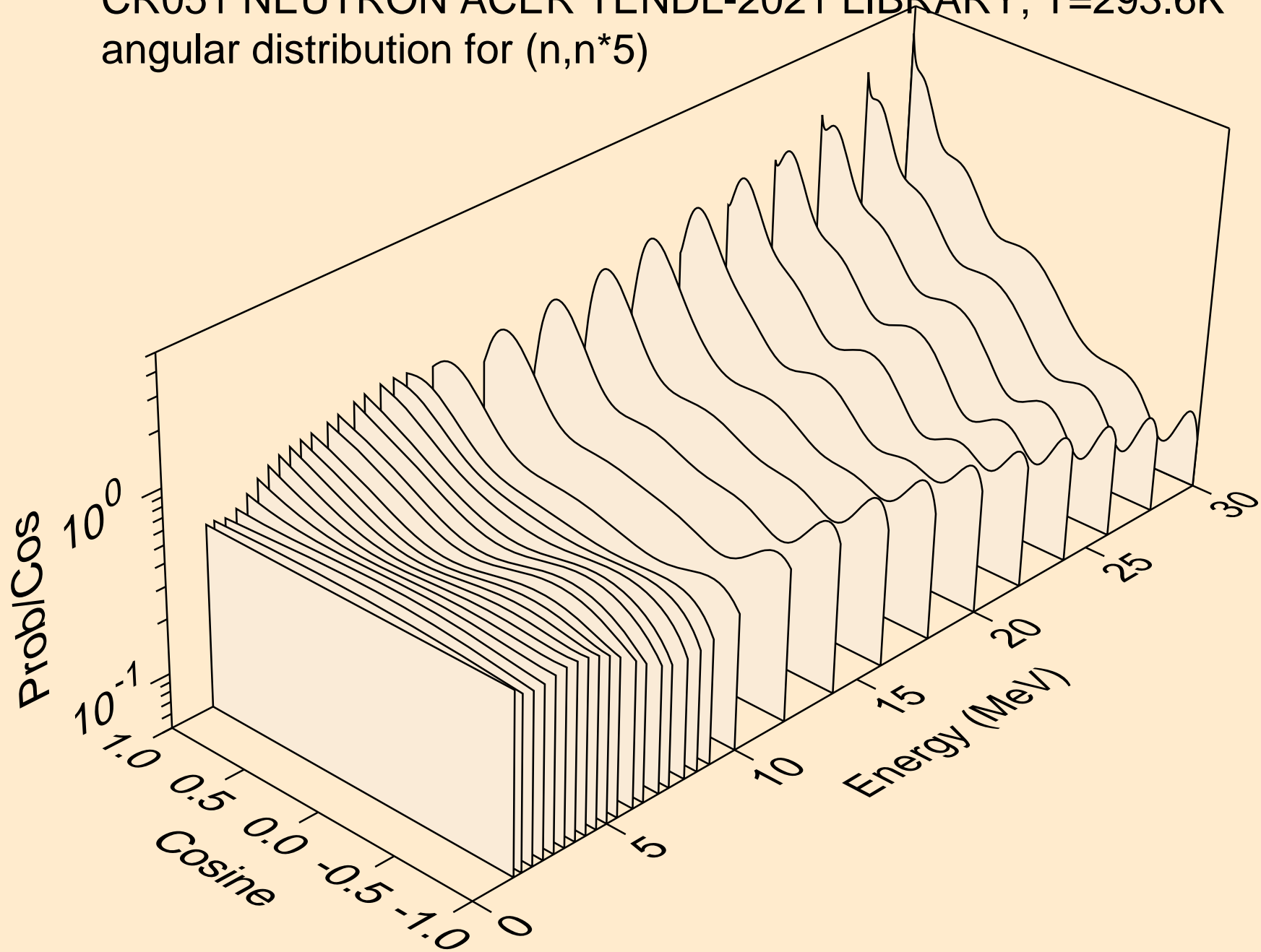
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

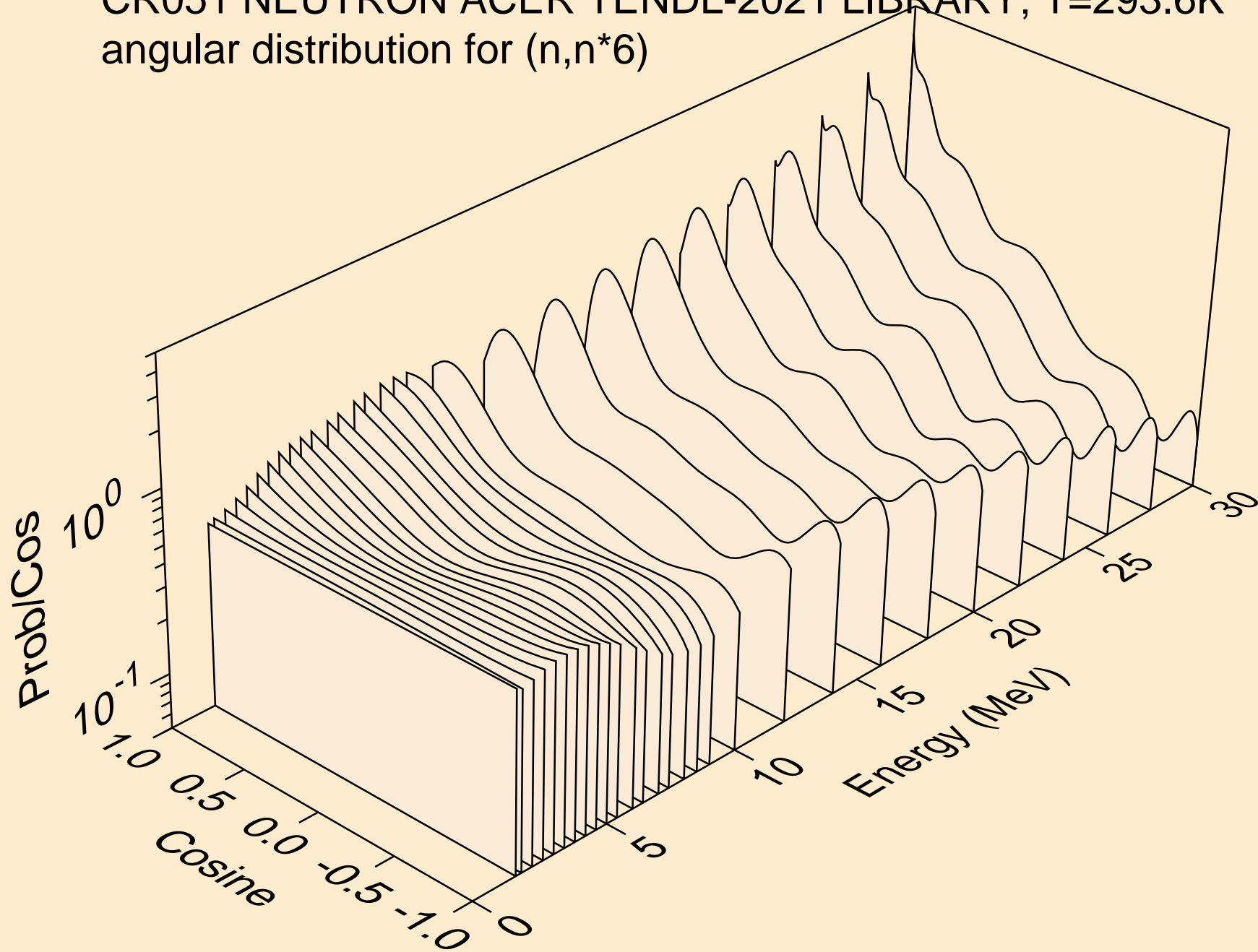


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)

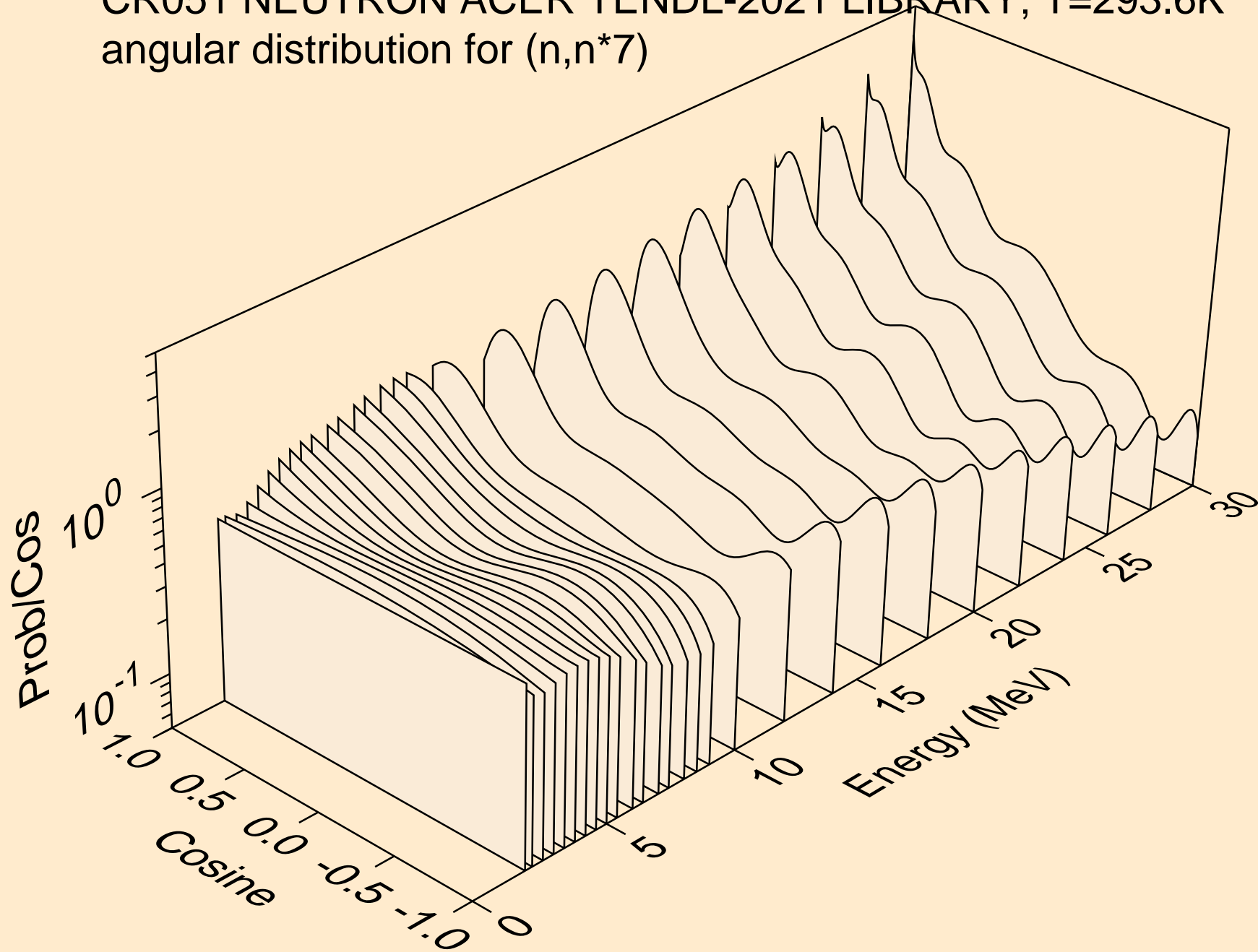




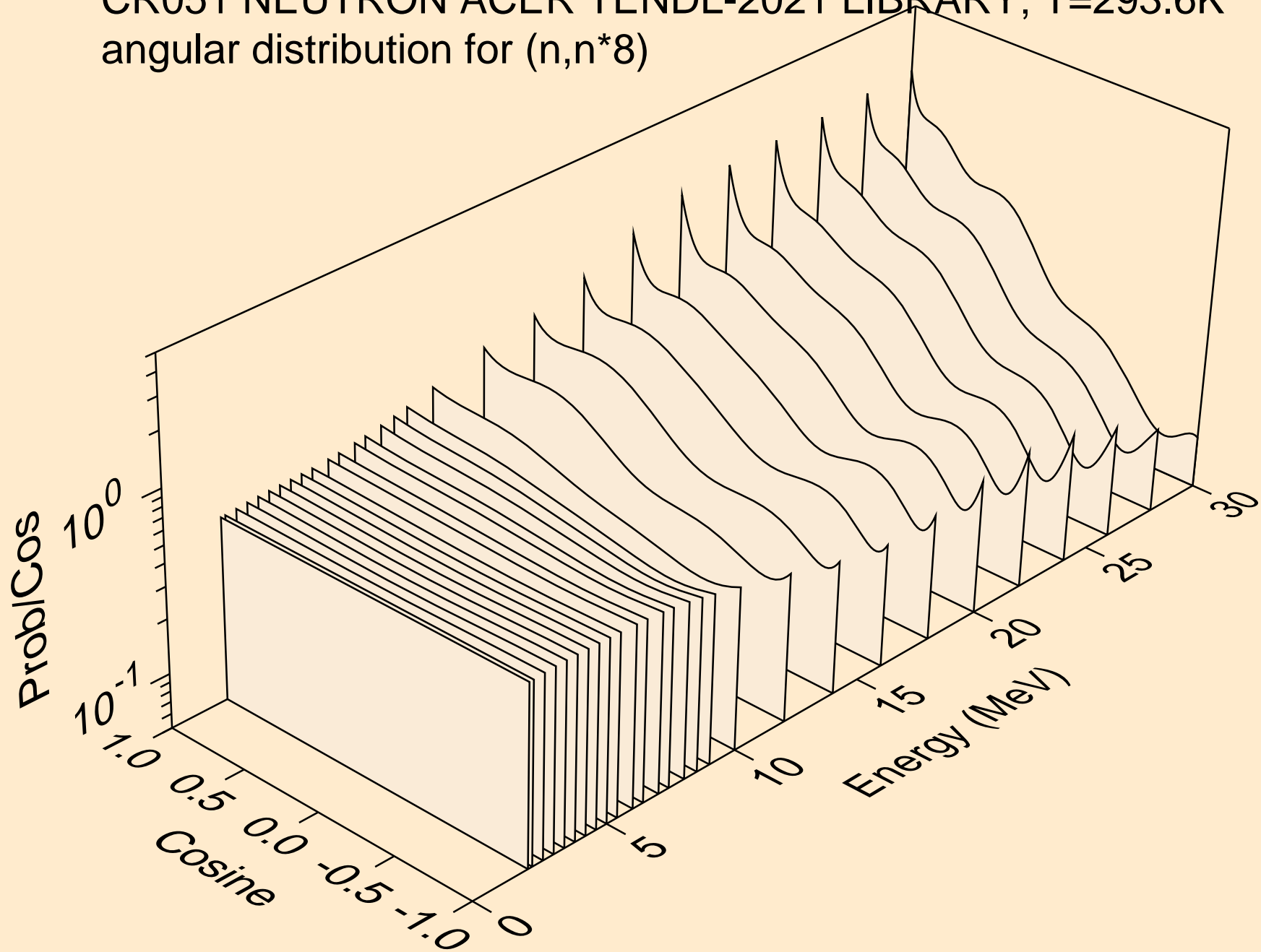
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



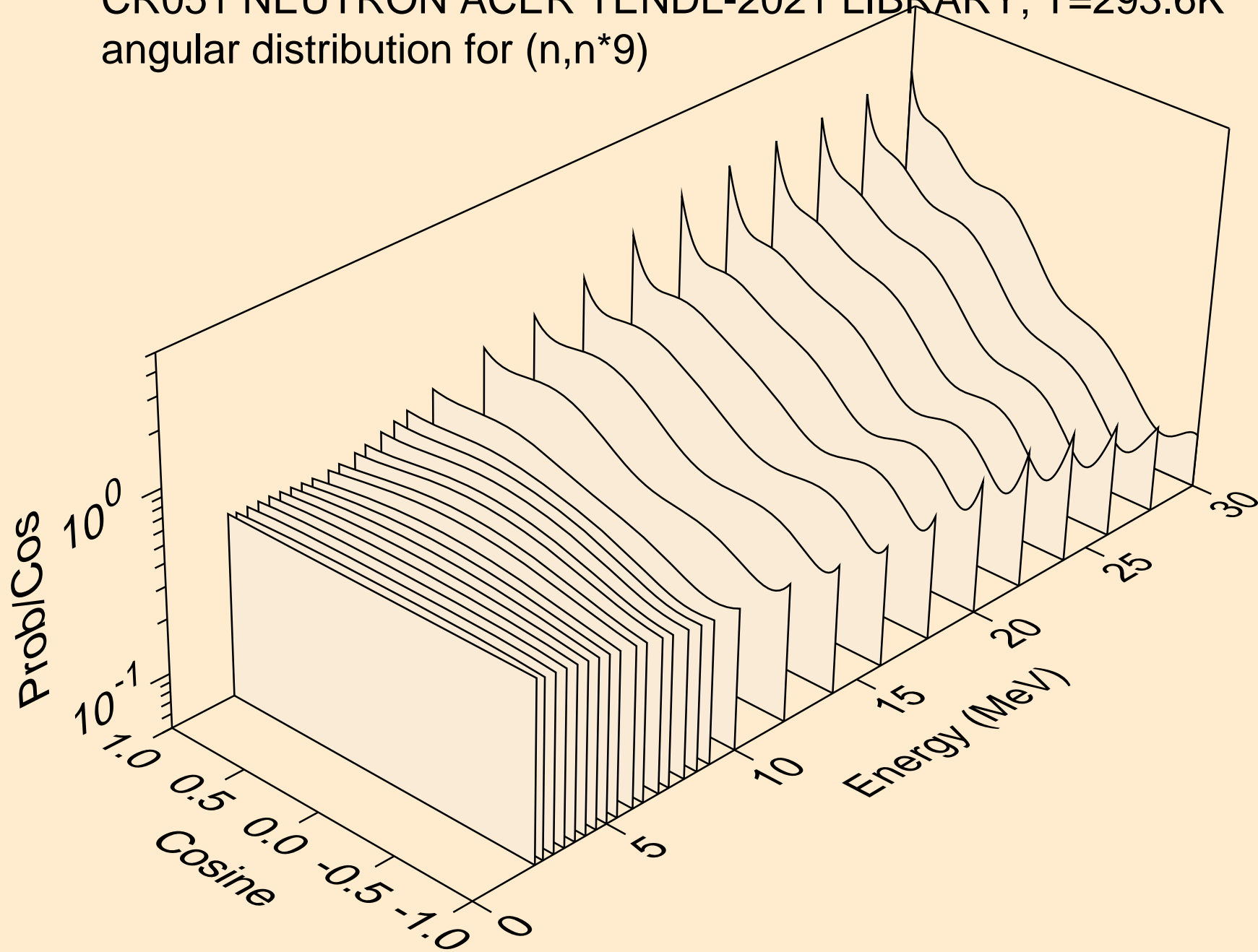
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



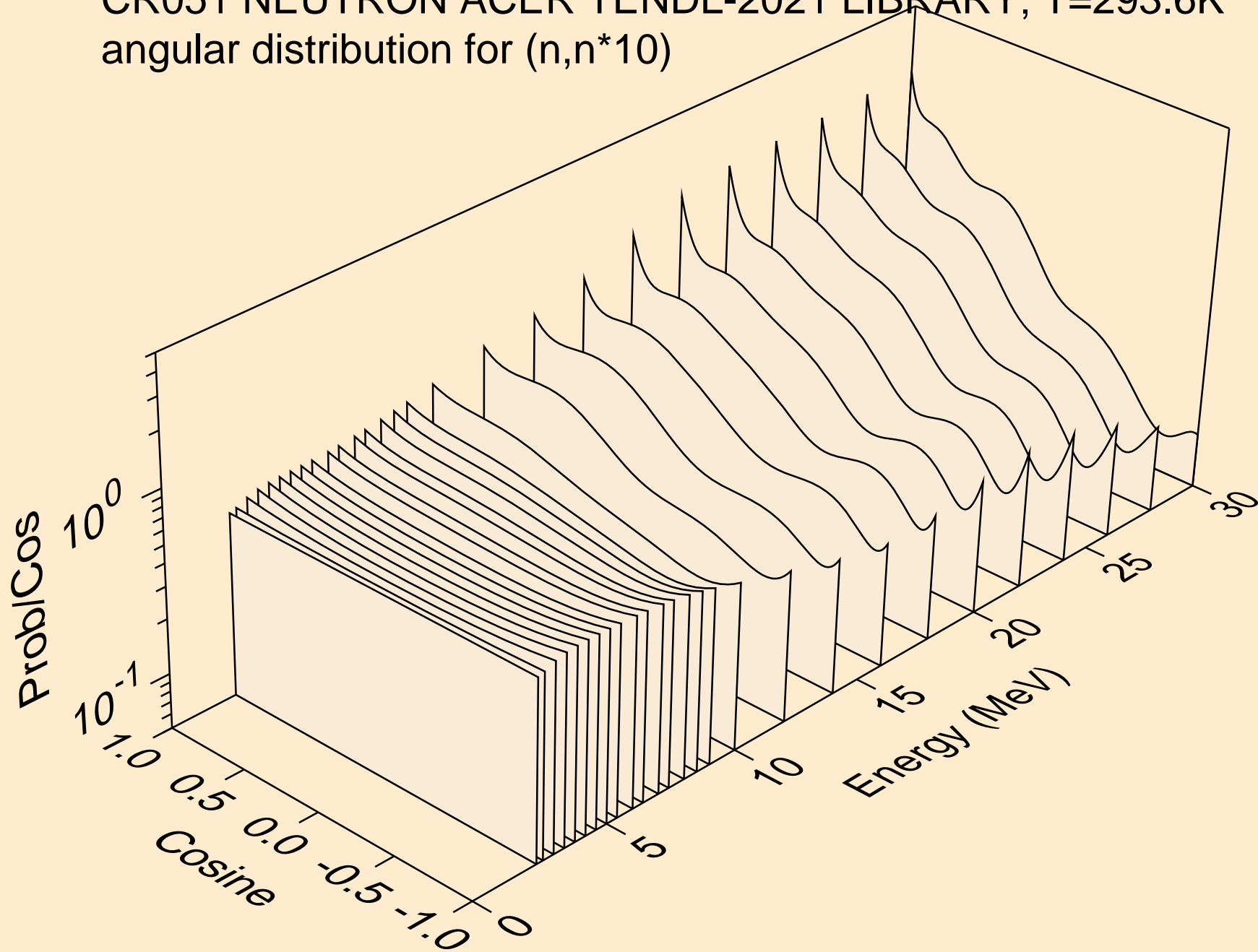
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angular distribution for (n,n\*8)



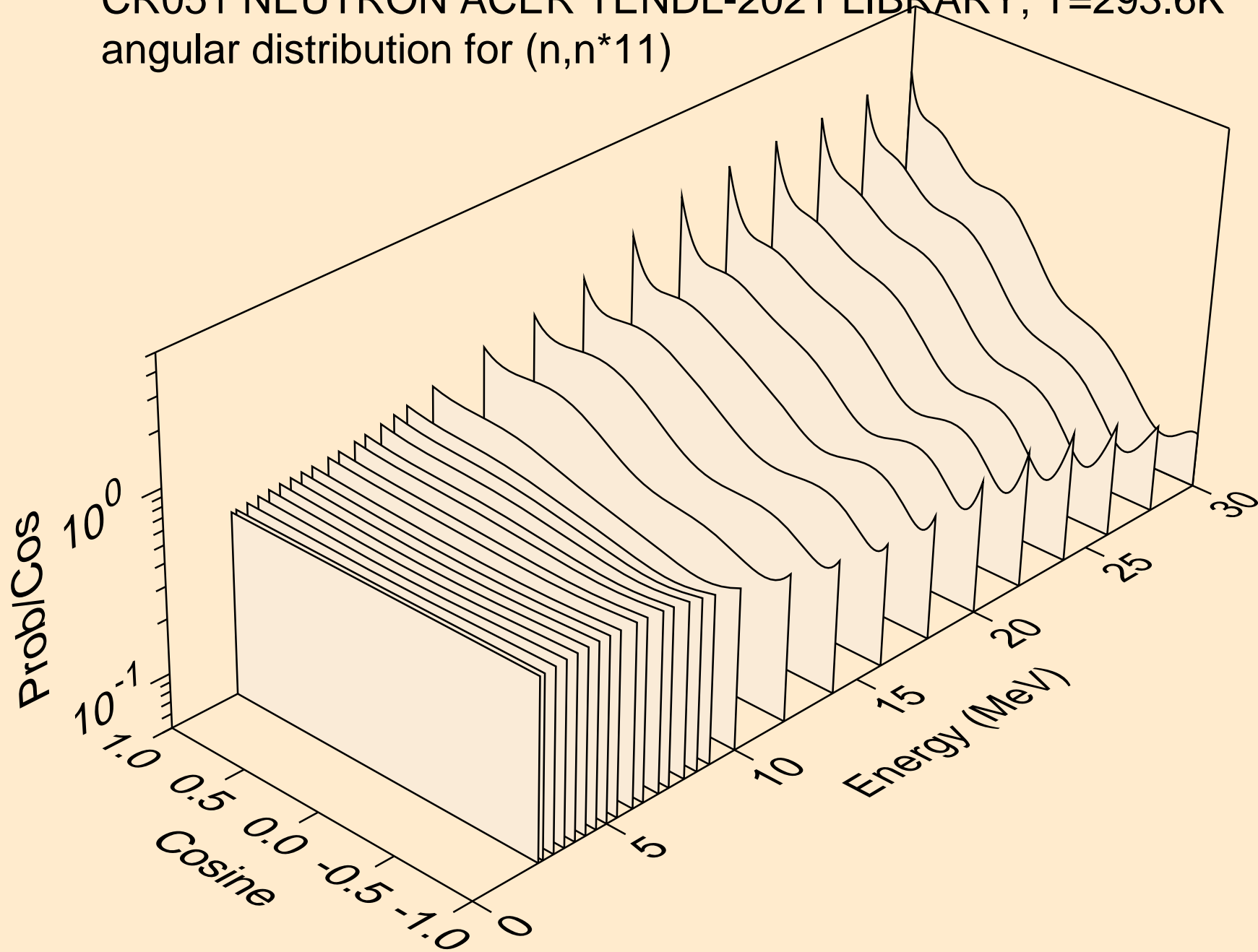
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angular distribution for (n,n\*9)



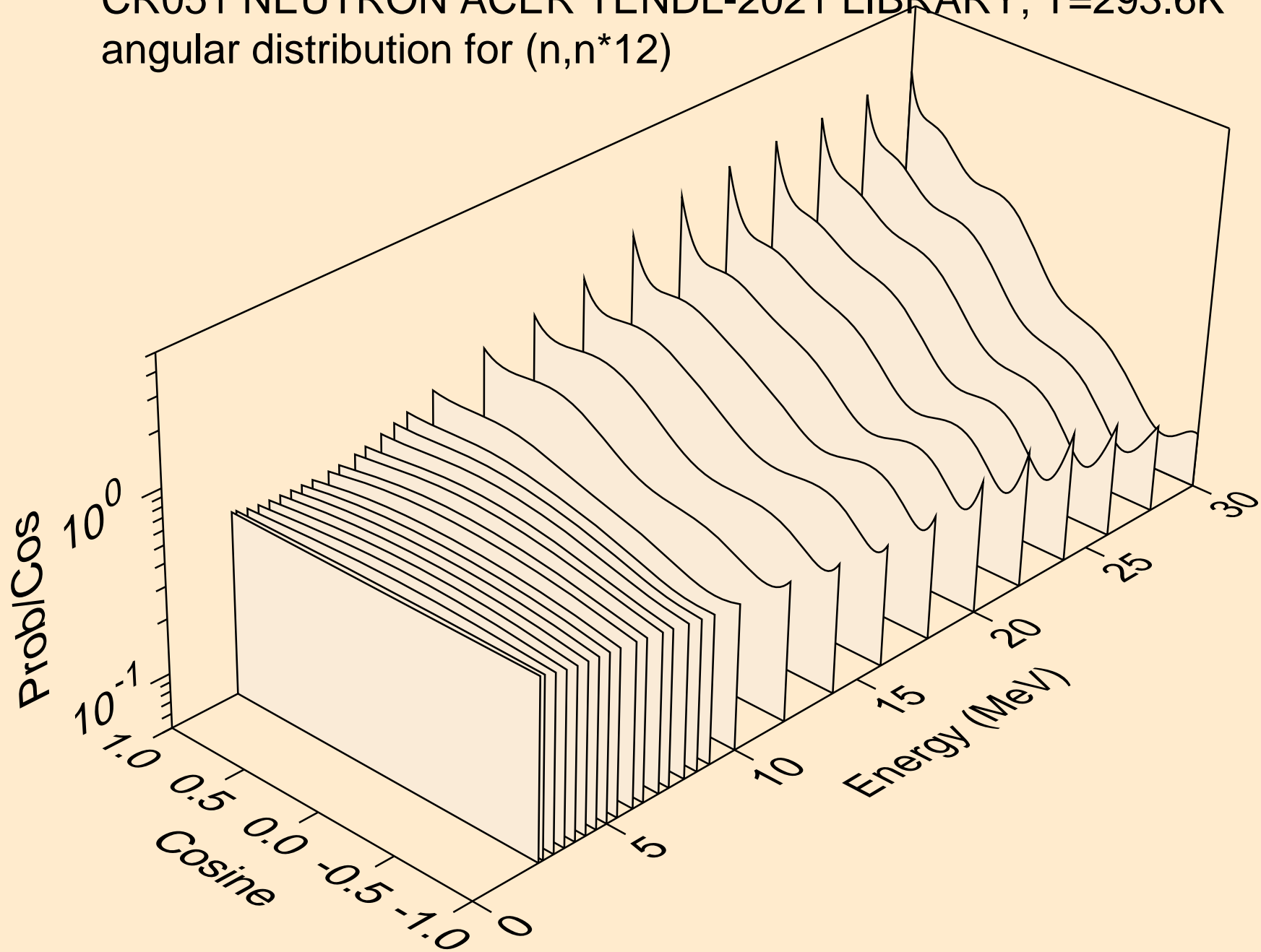
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angular distribution for (n,n\*10)



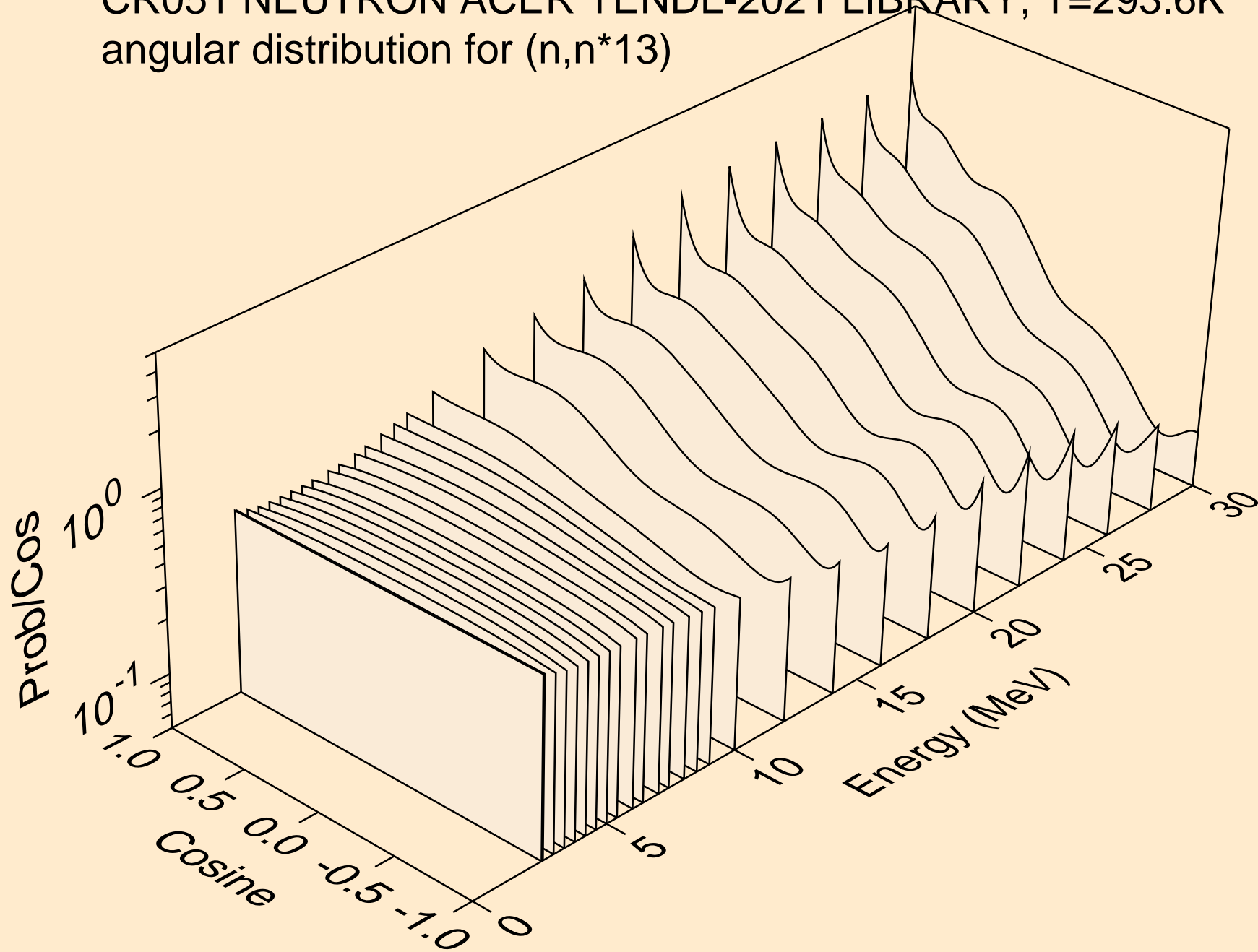
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

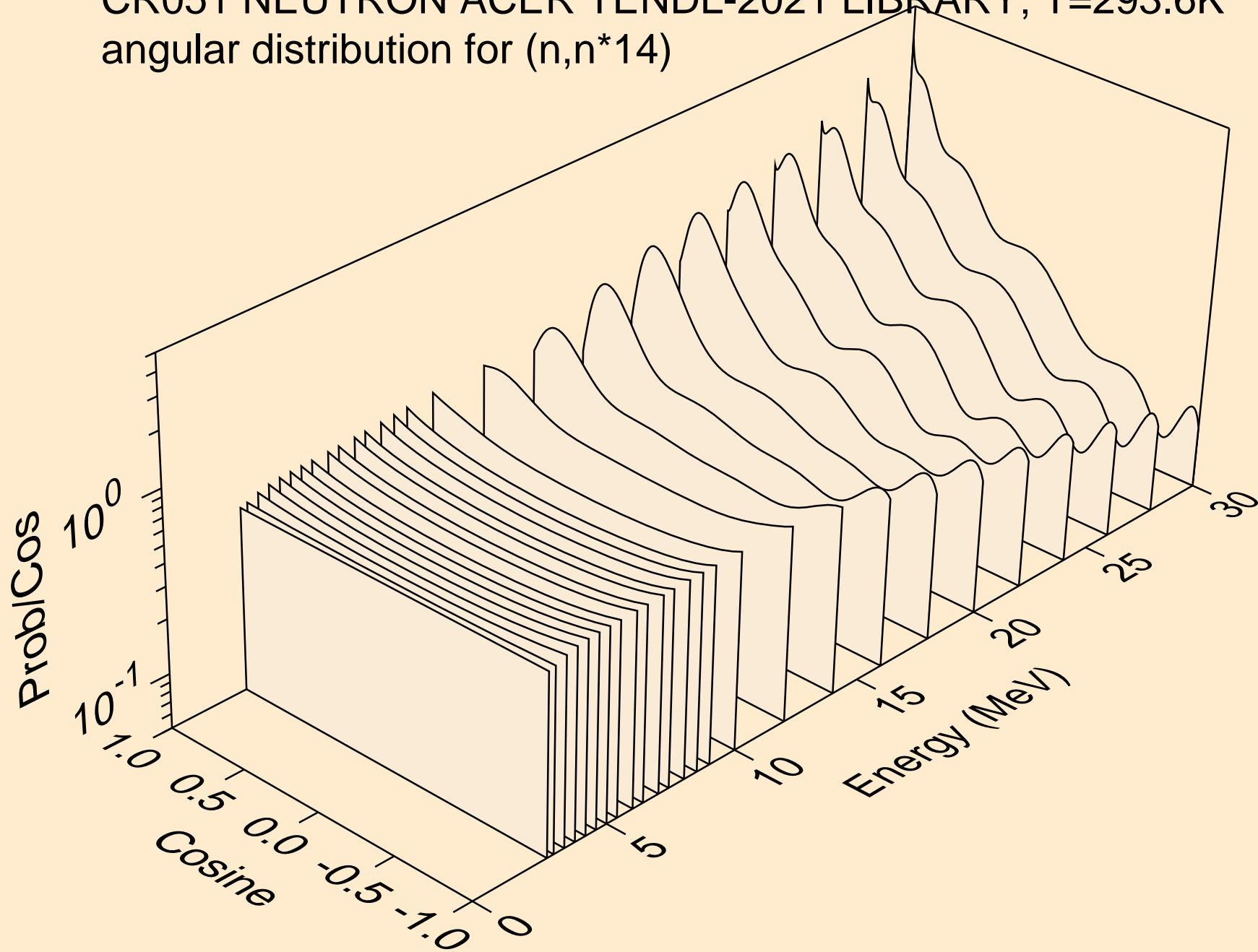


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)

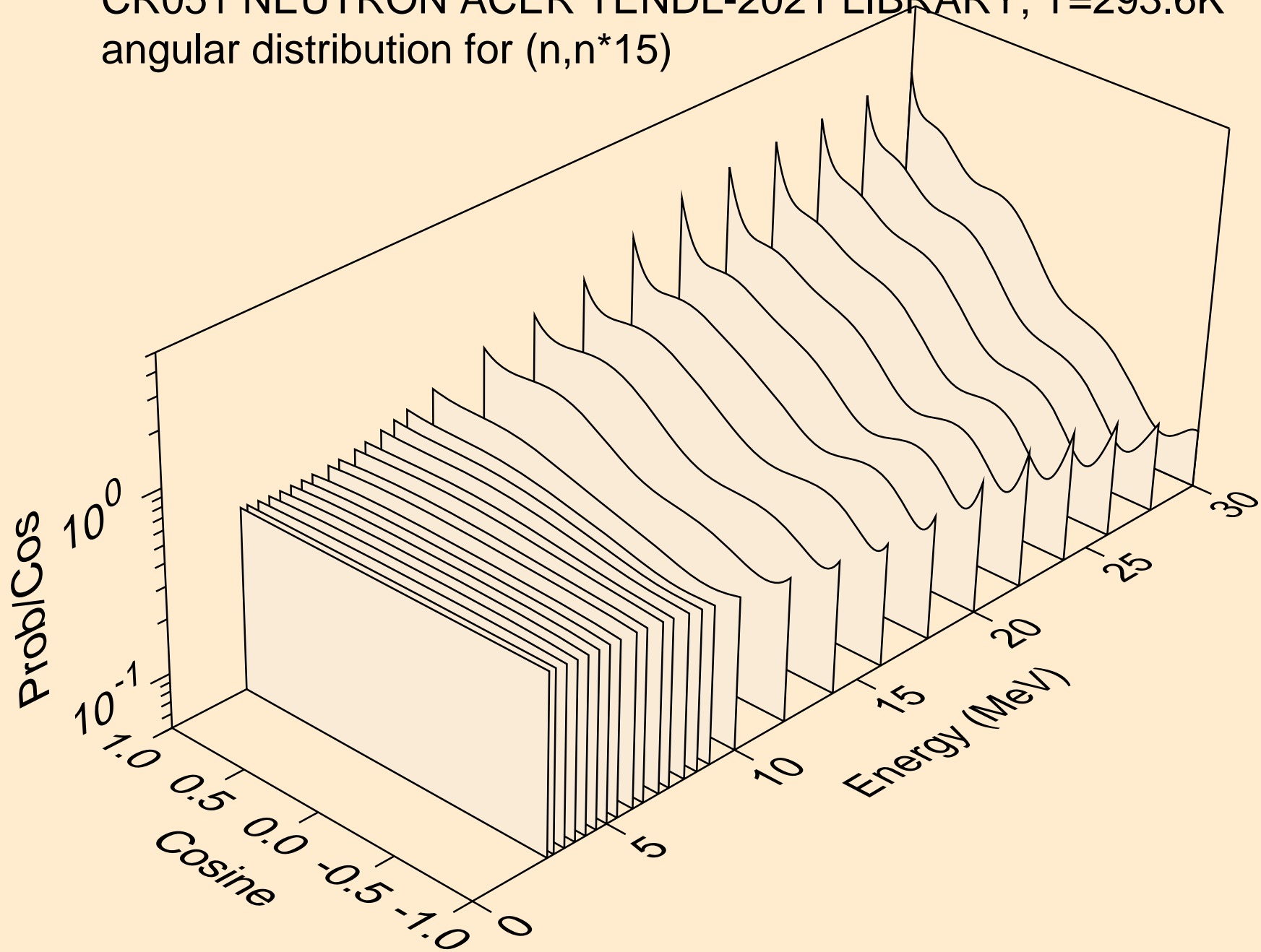




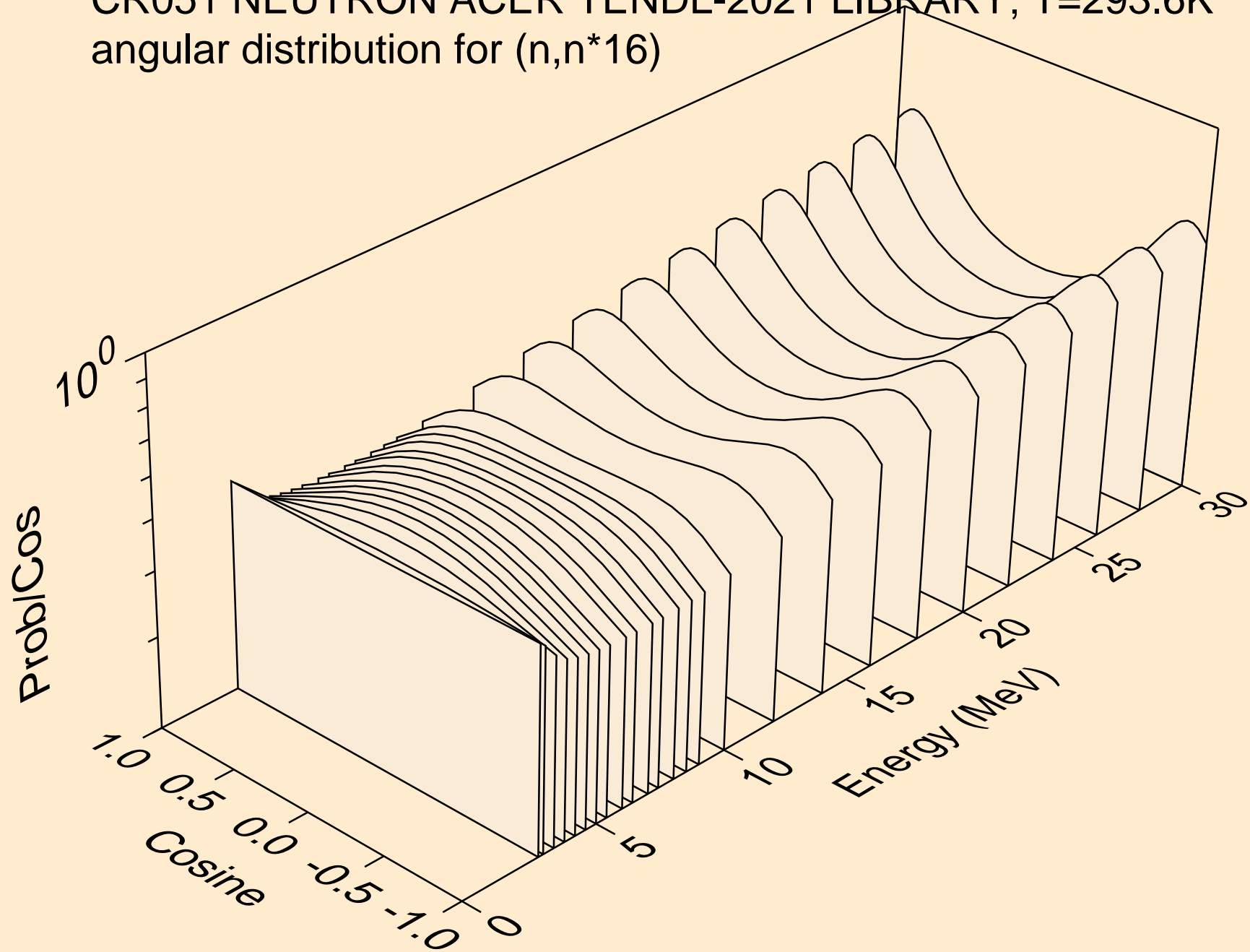
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



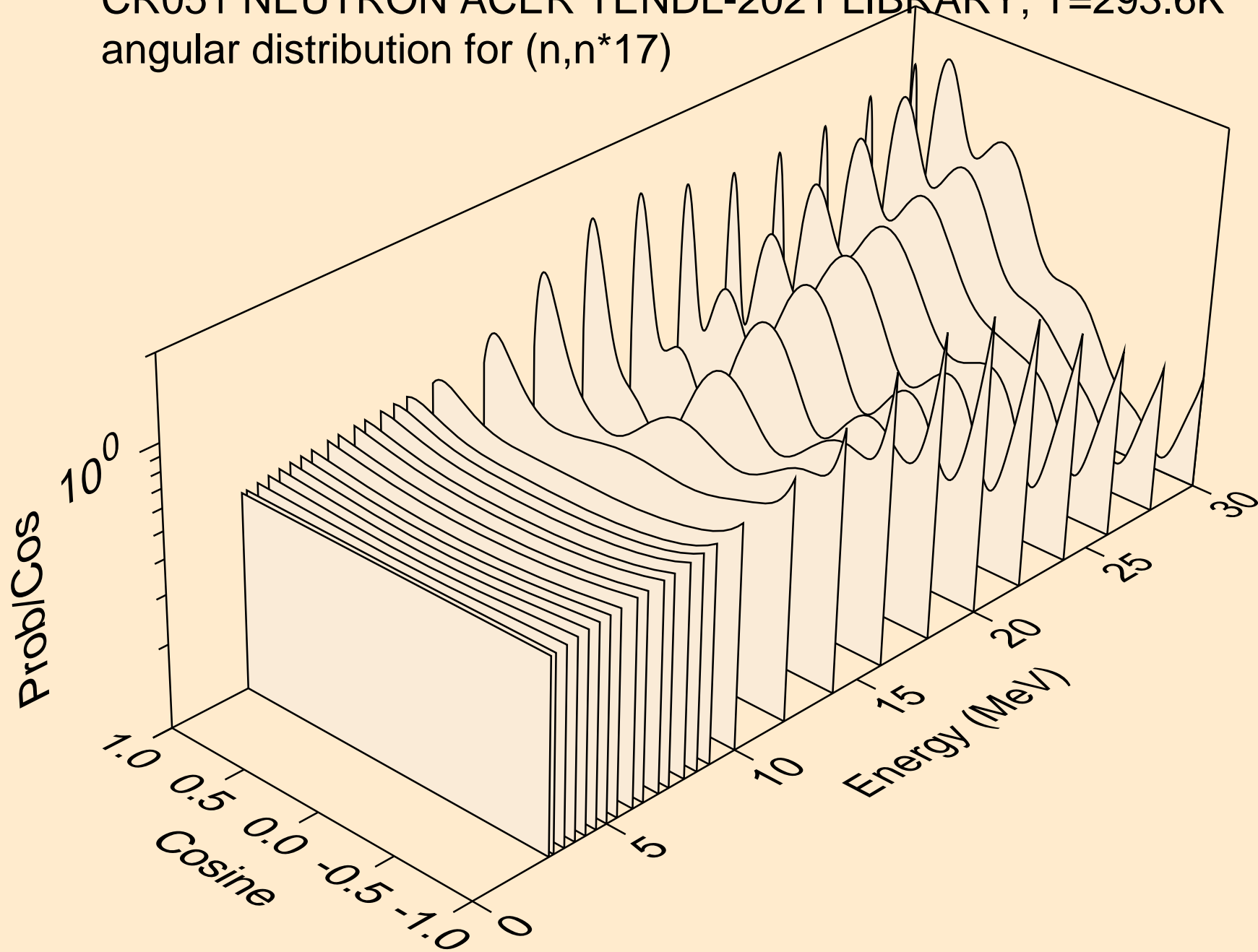
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angular distribution for (n,n\*15)



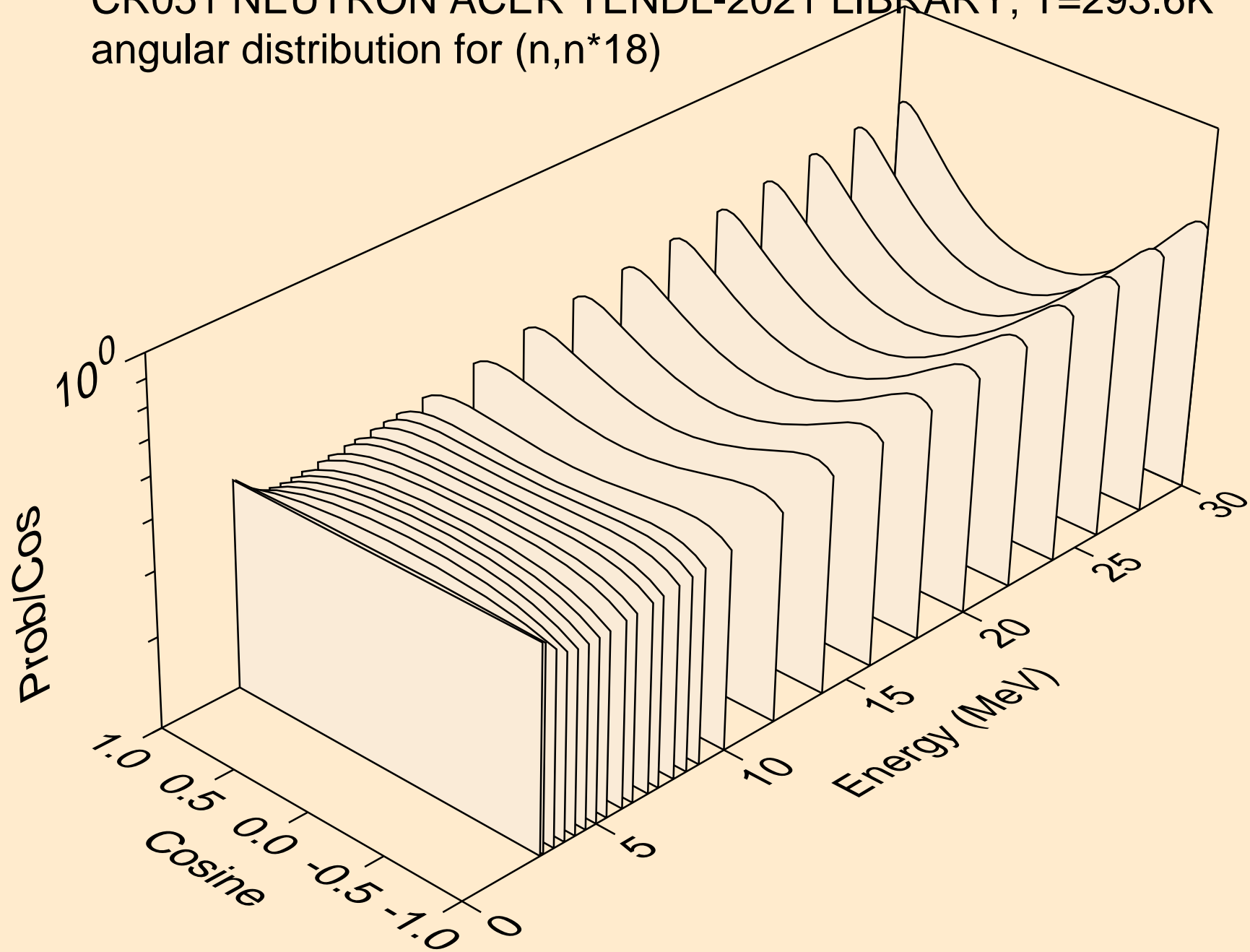
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angular distribution for (n,n\*16)



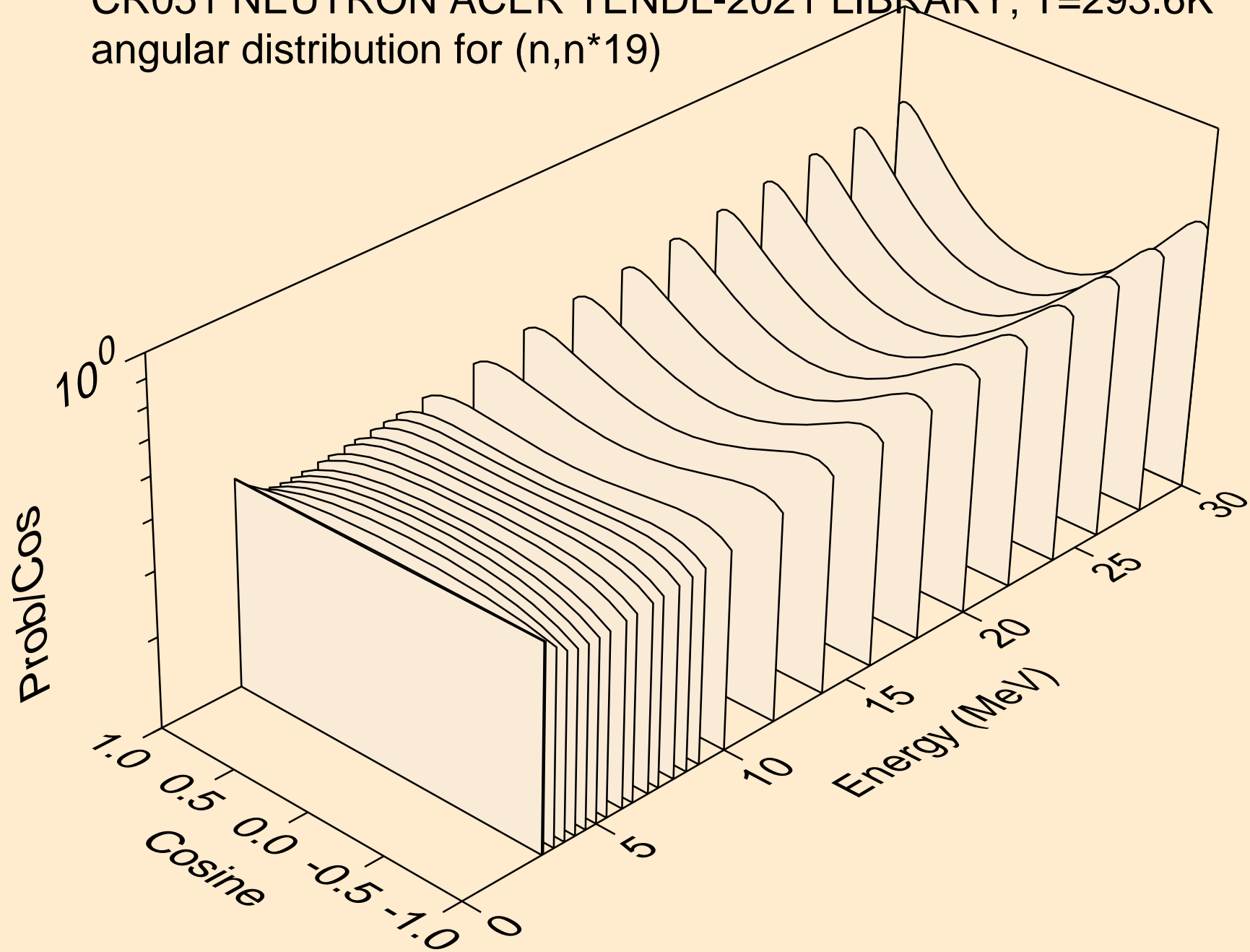
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angular distribution for (n,n\*17)



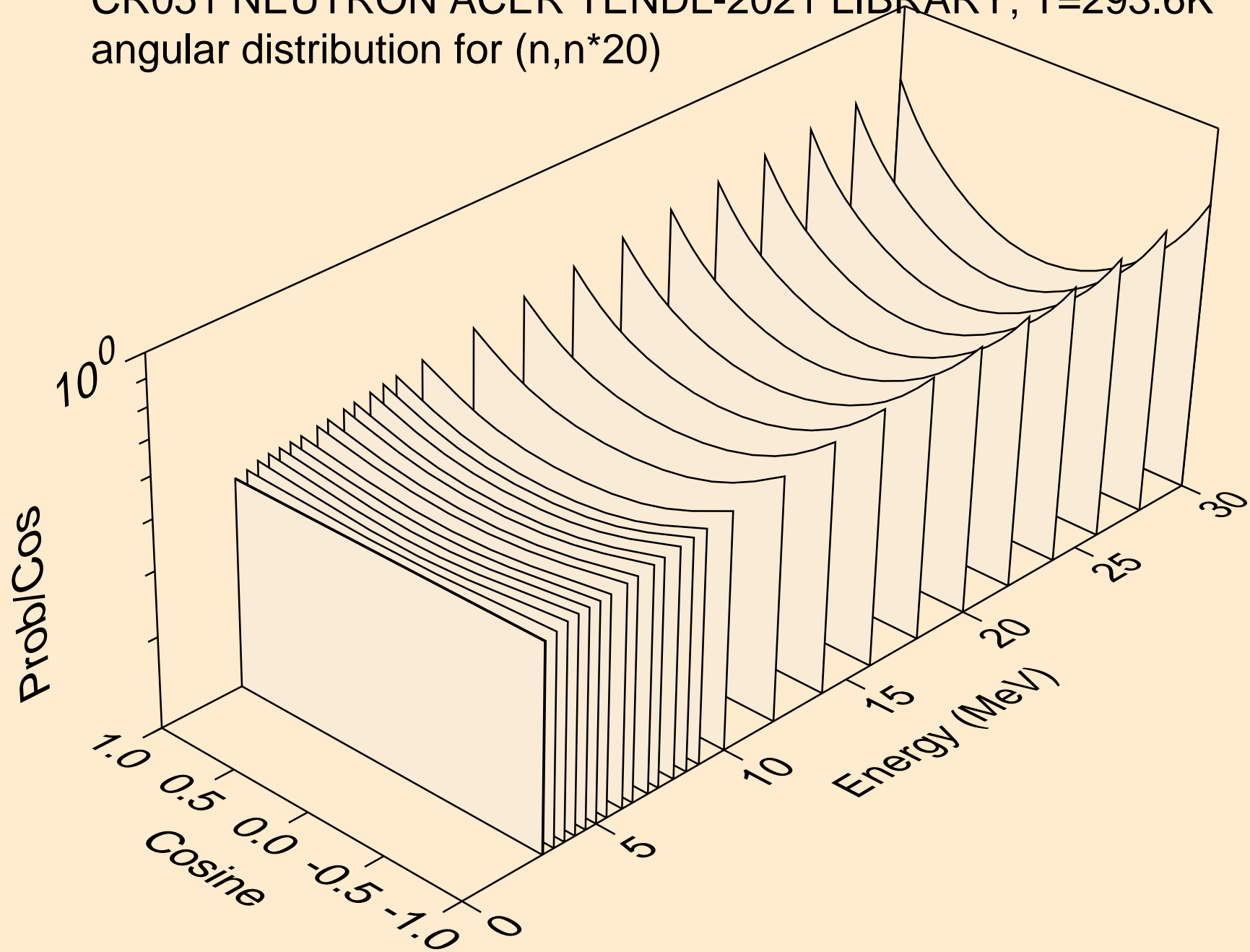
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angular distribution for (n,n\*18)



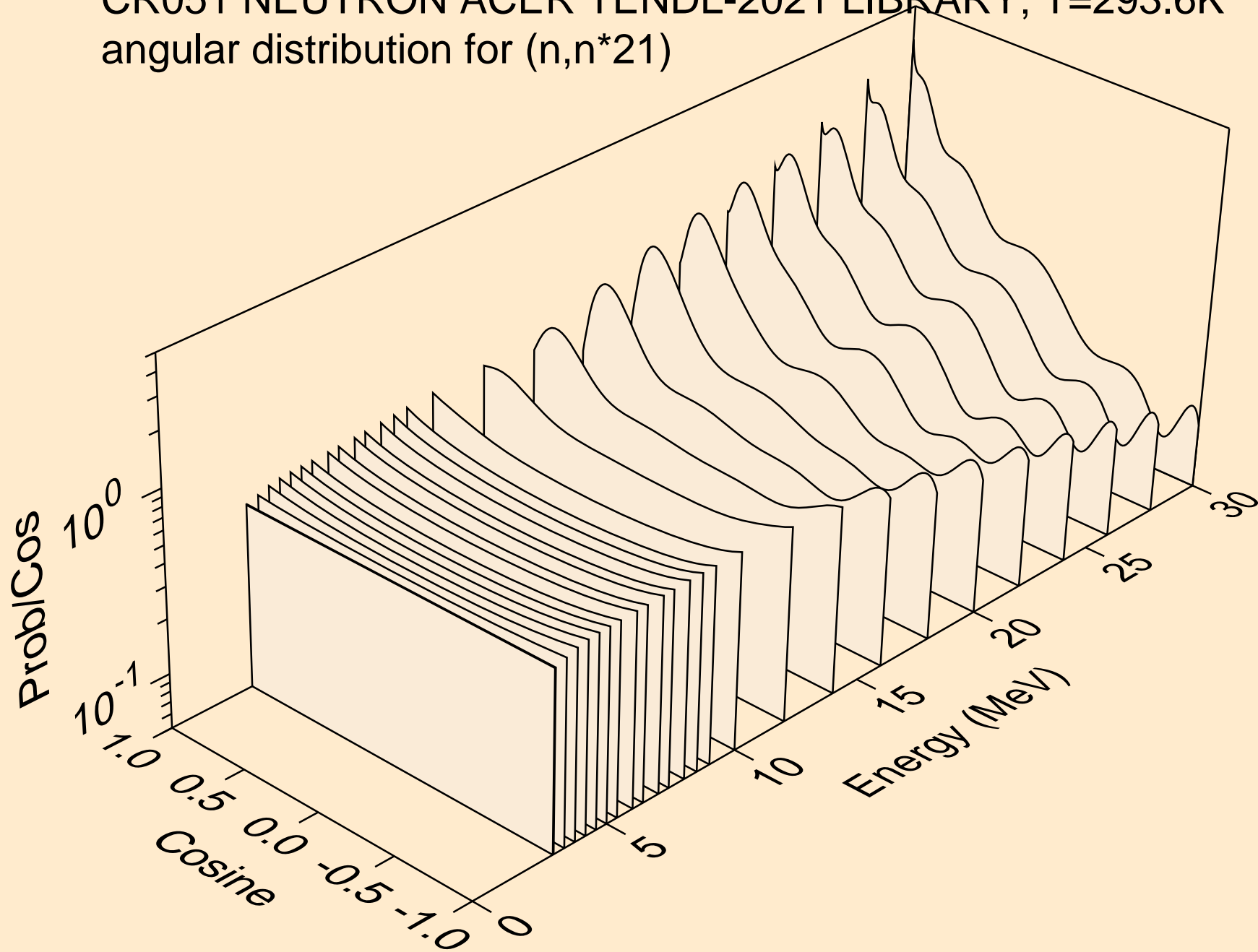
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

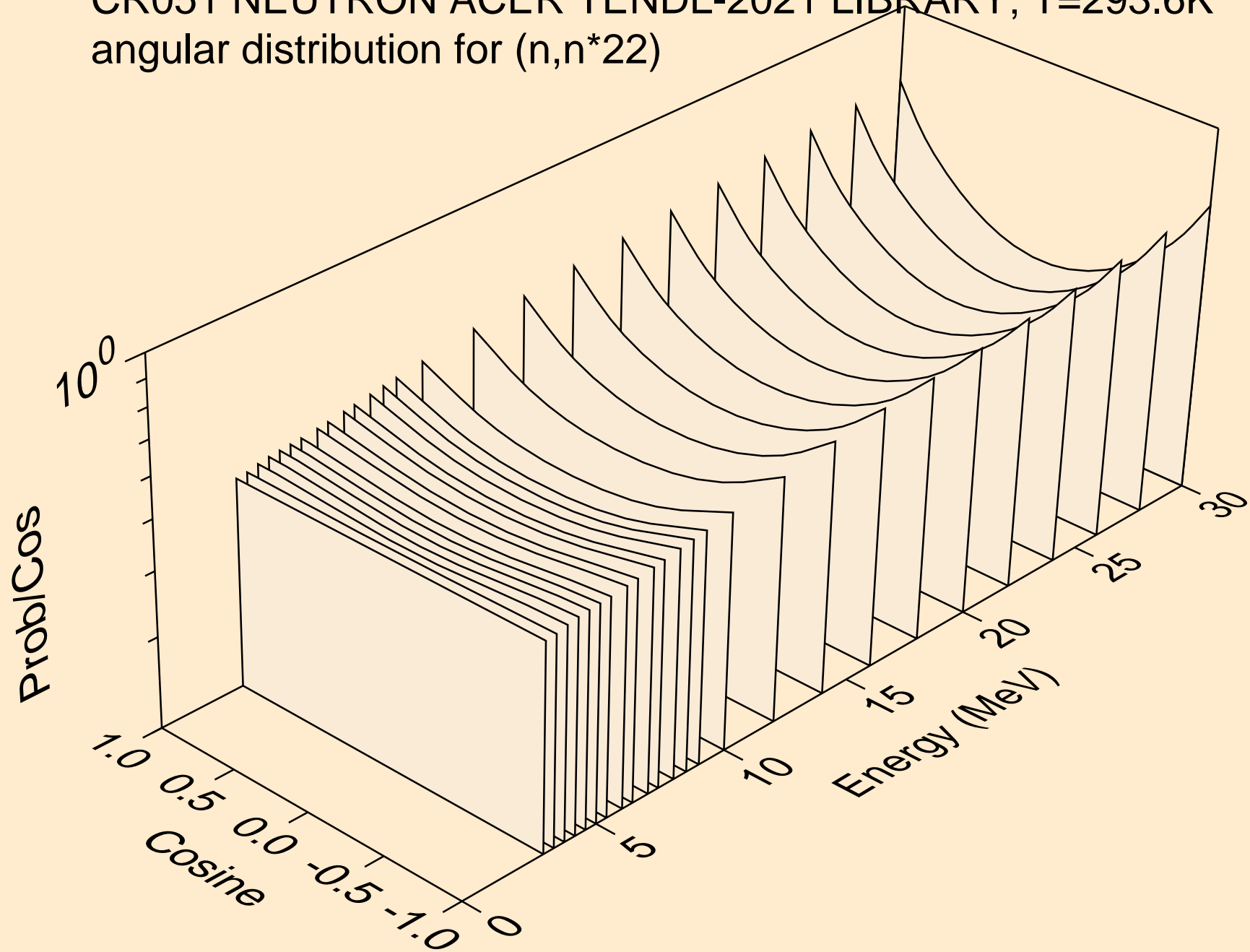


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)

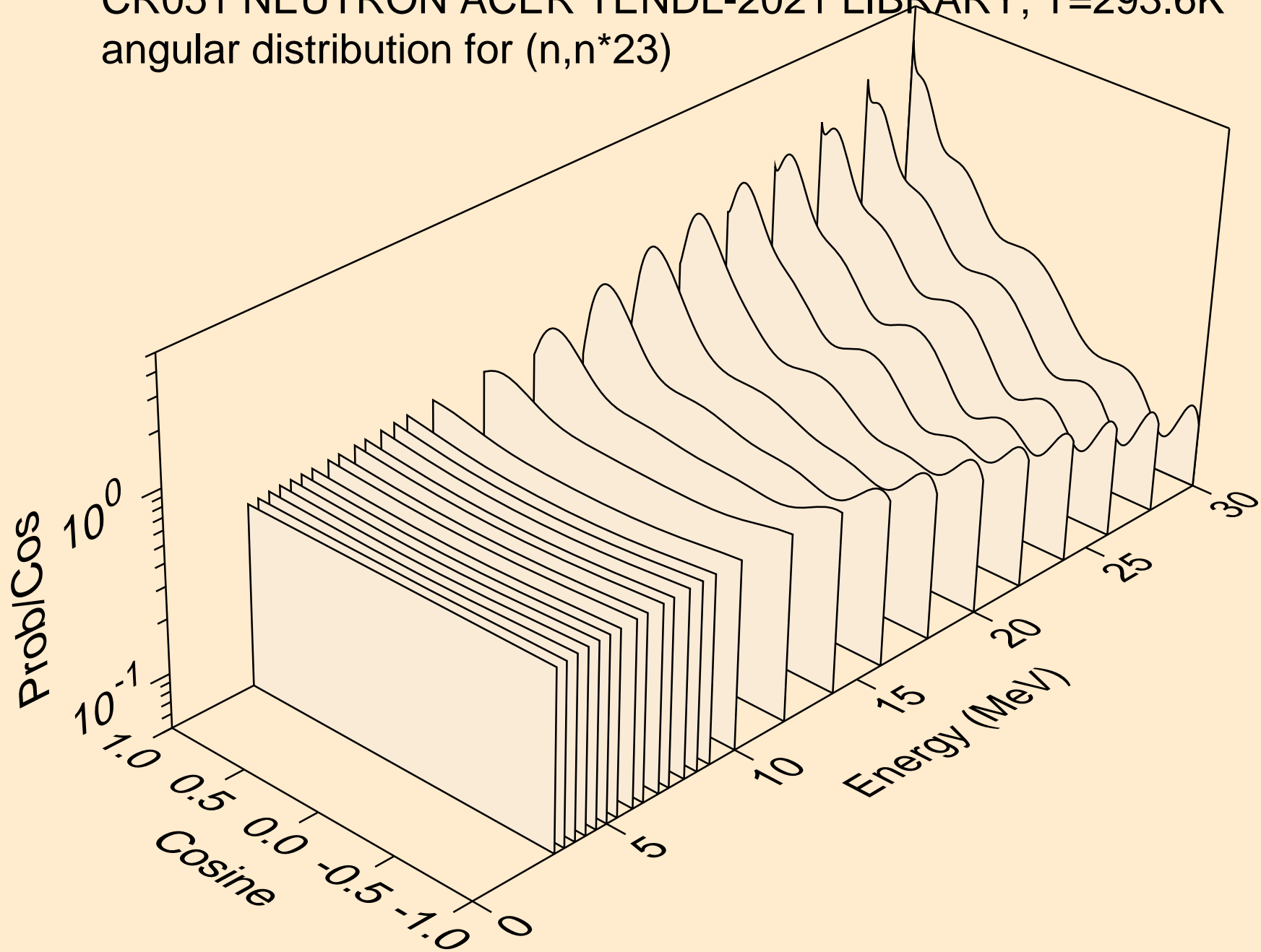




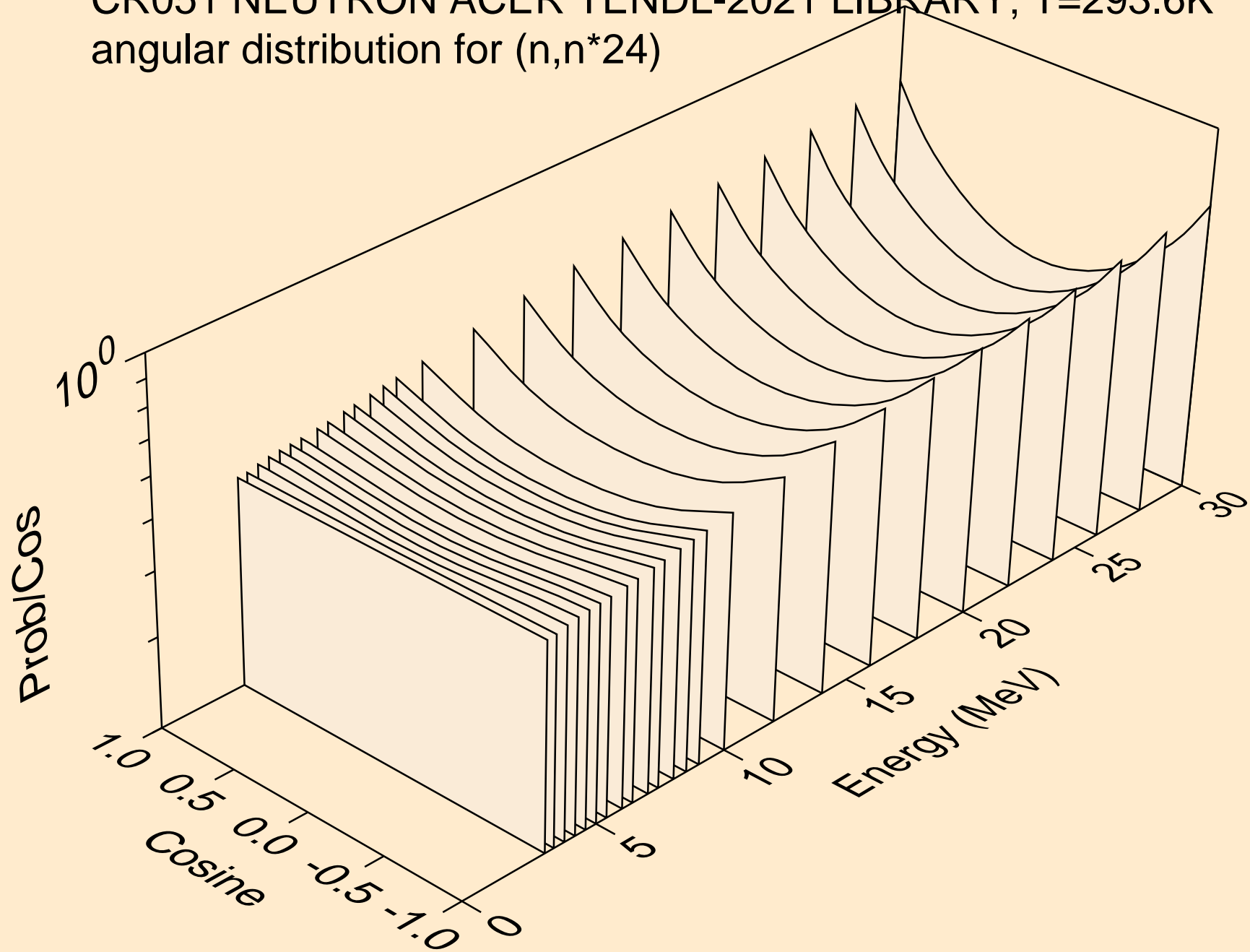
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



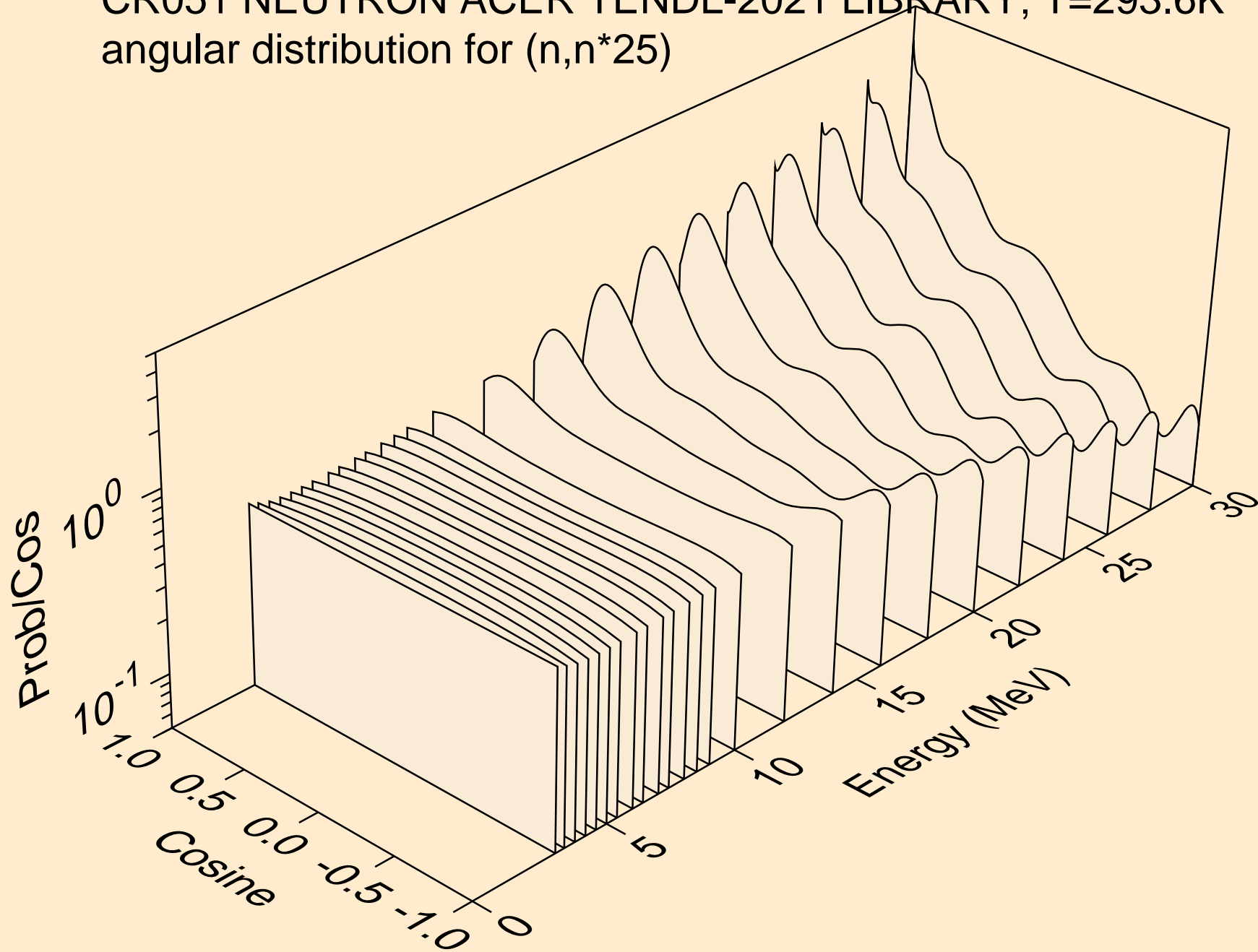
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angular distribution for (n,n\*23)



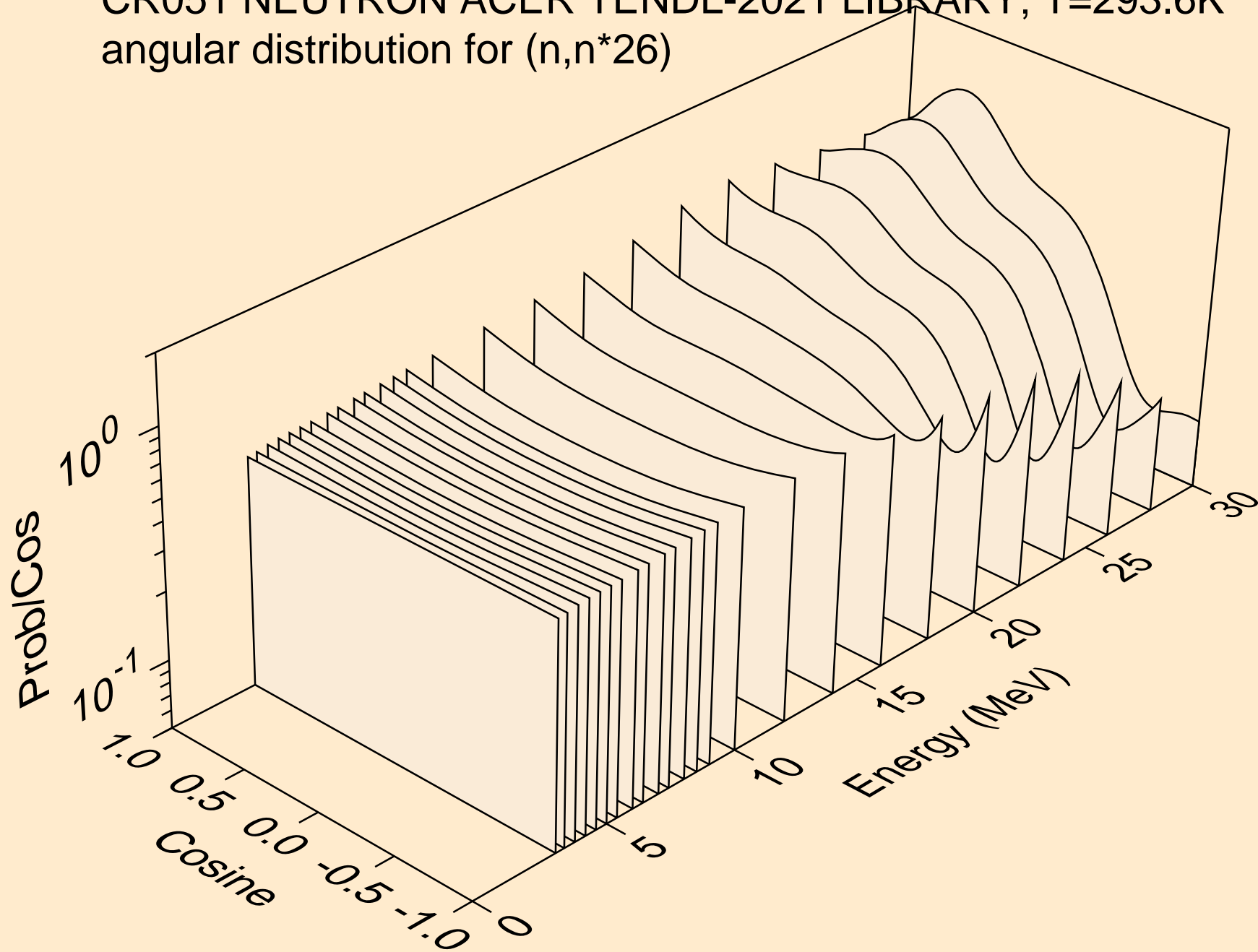
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



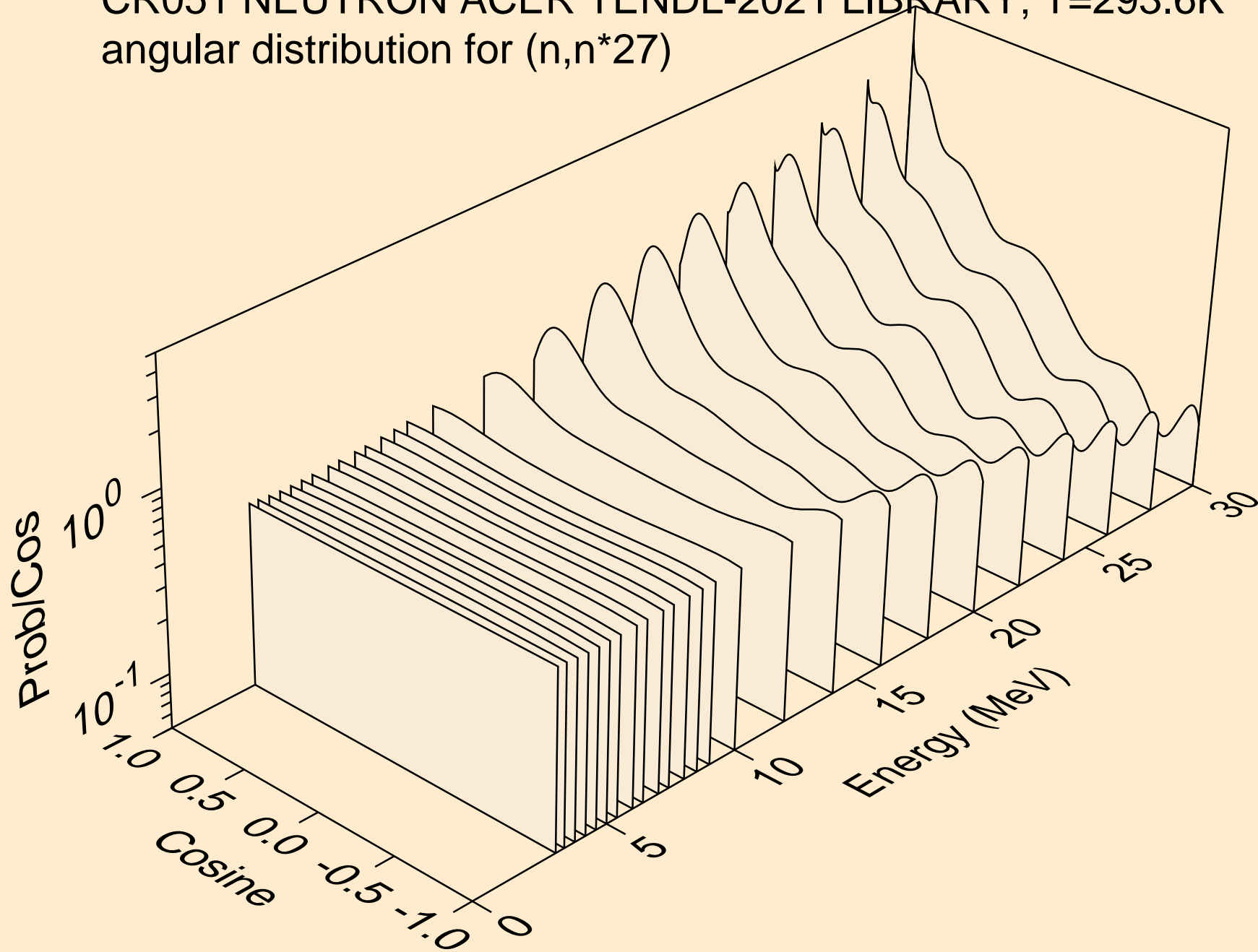
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



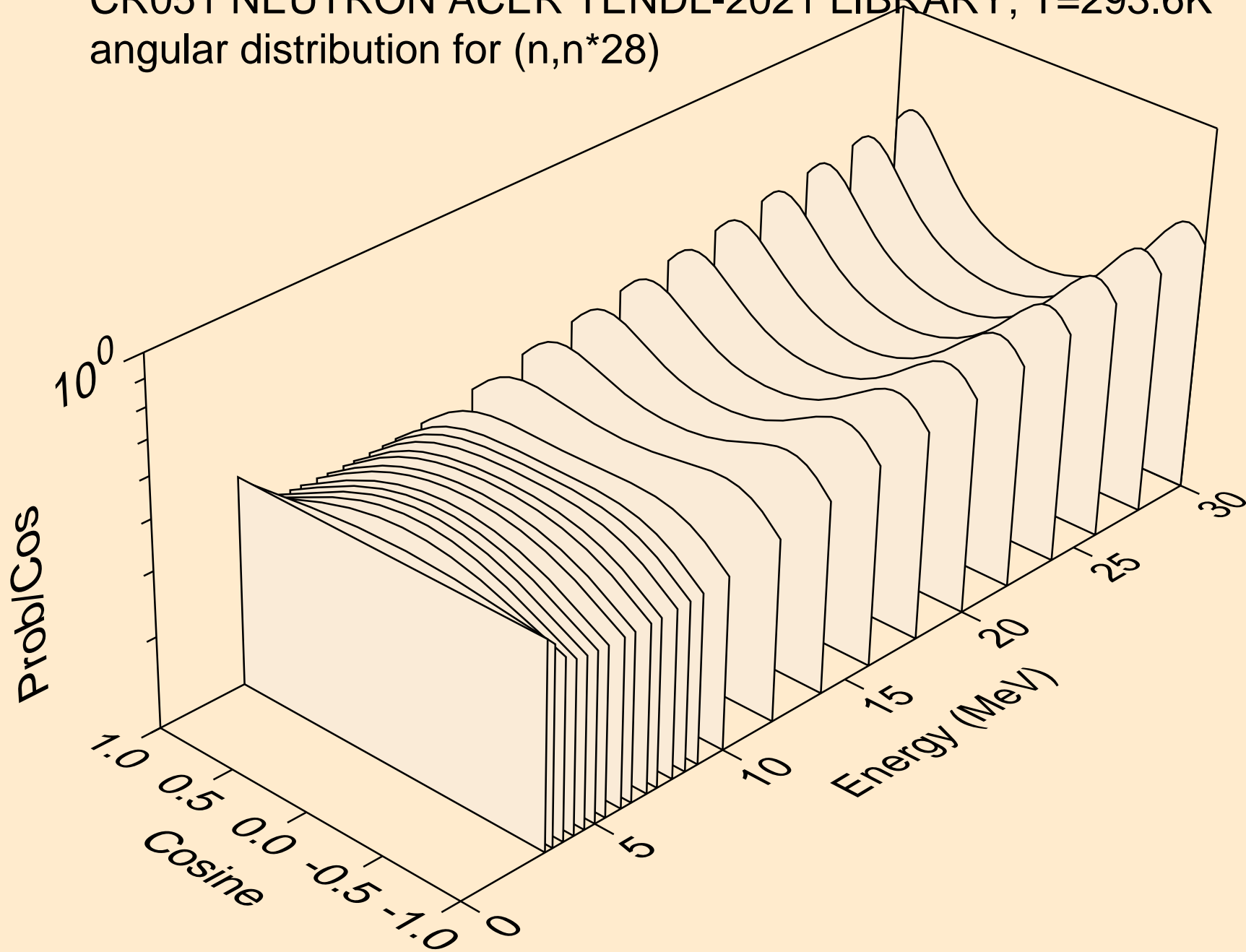
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angular distribution for (n,n\*26)



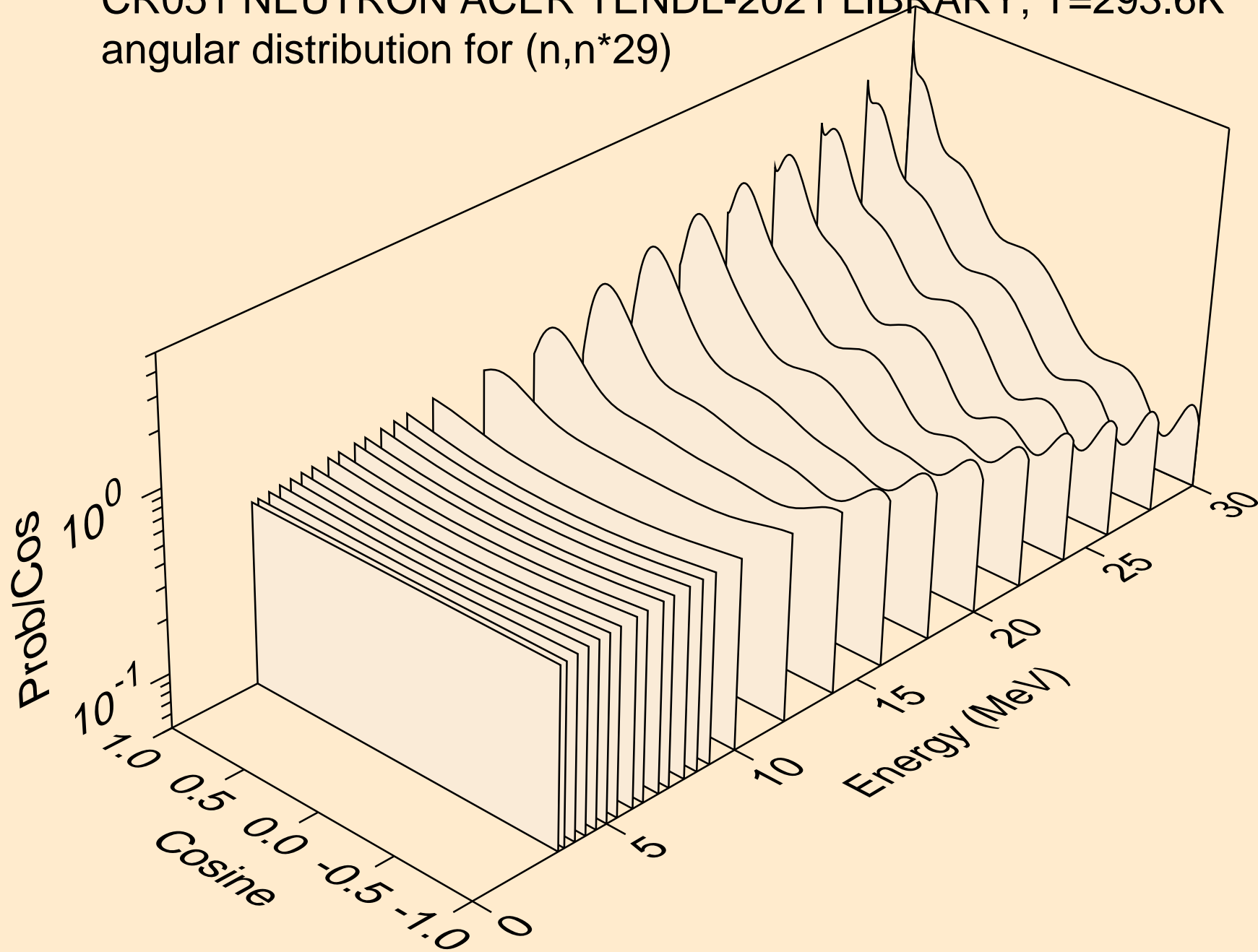
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)

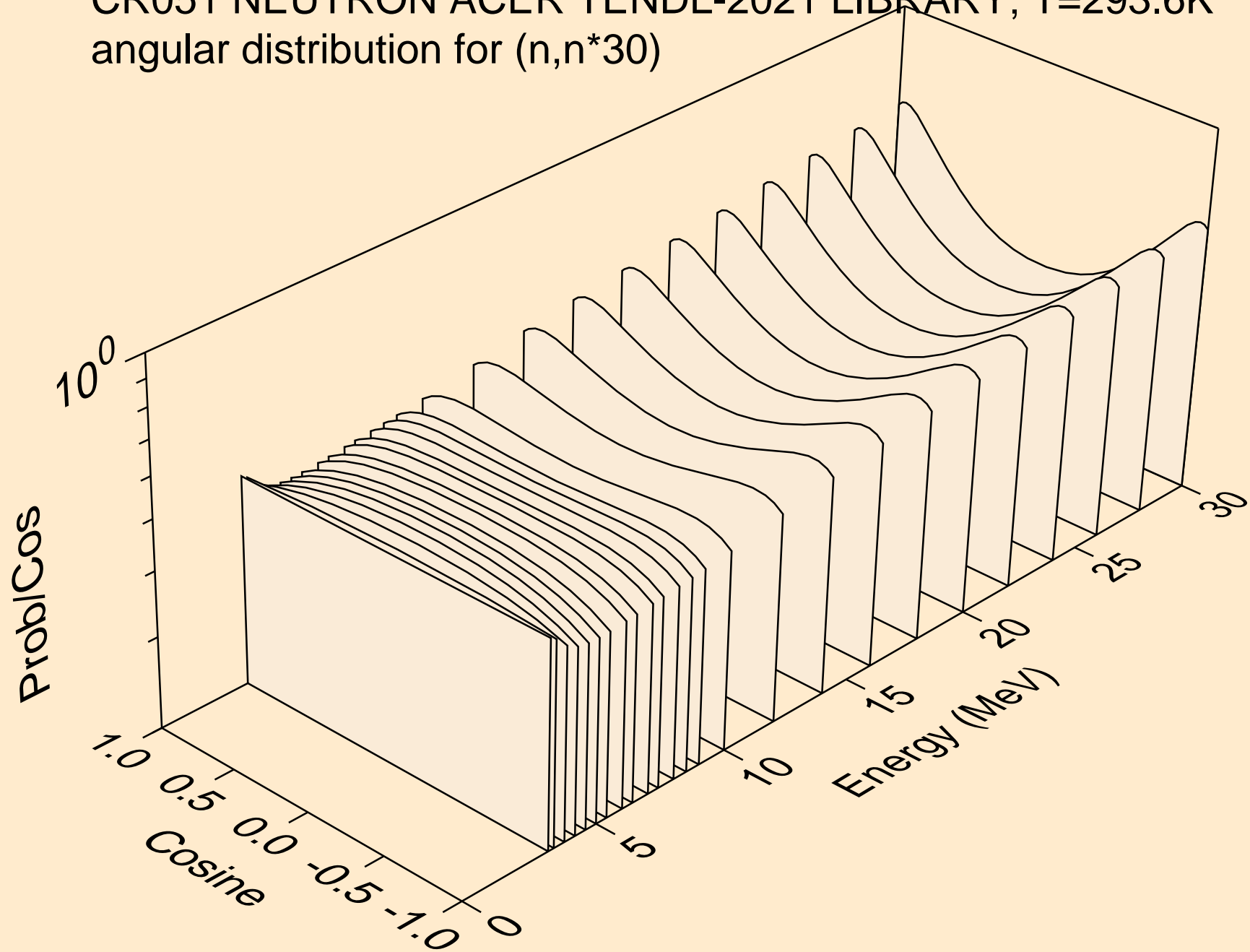


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)

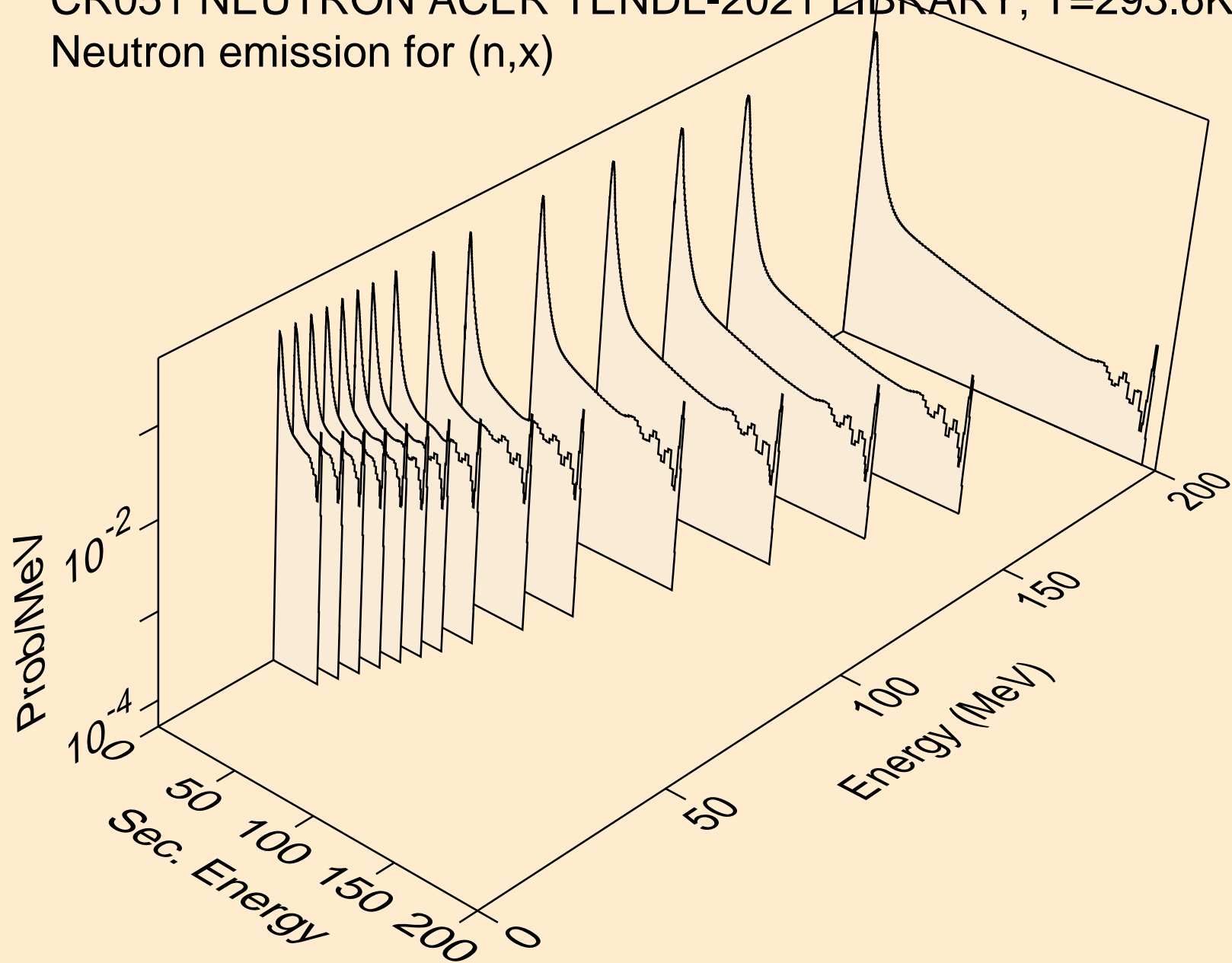




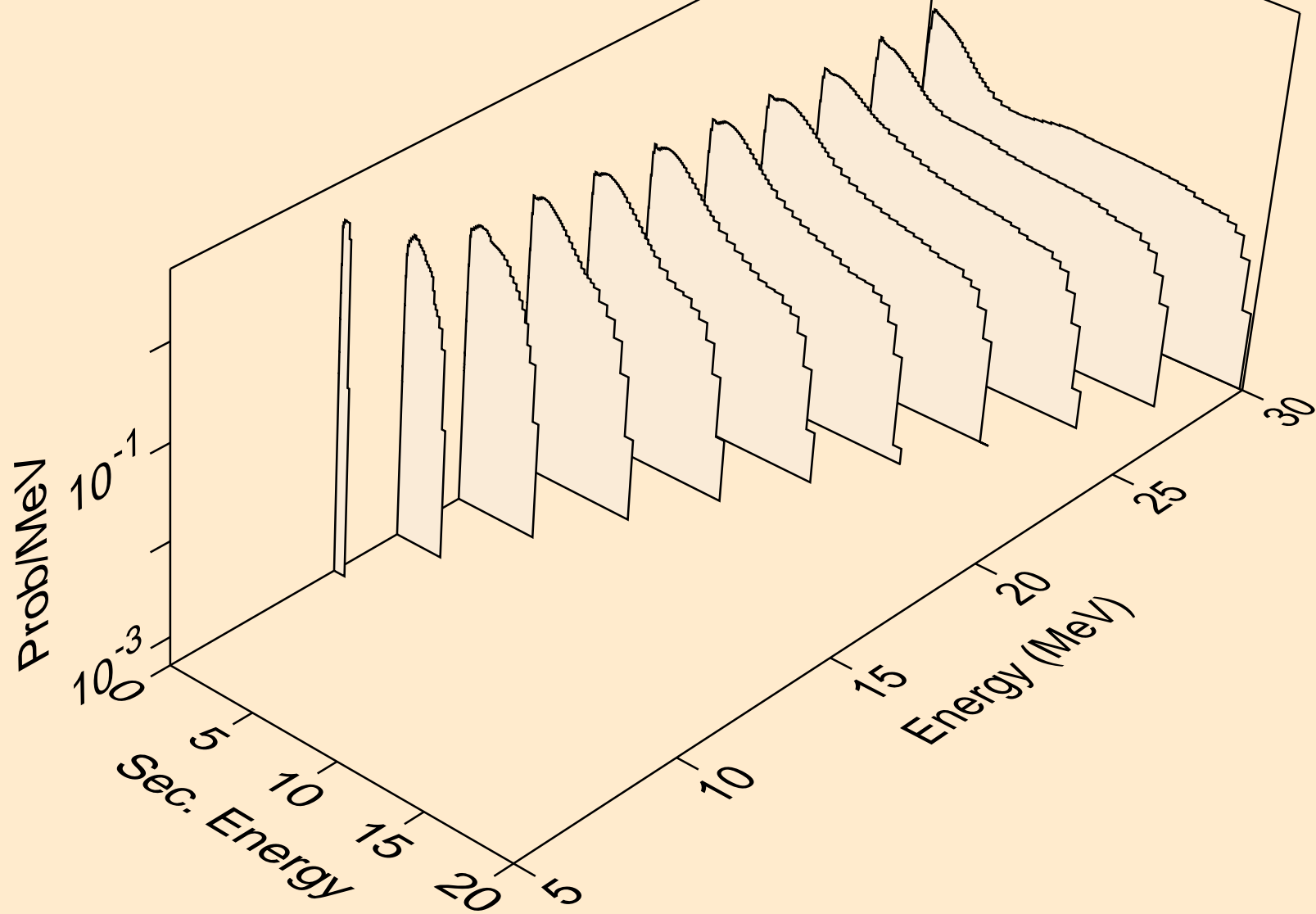
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angular distribution for (n,n\*30)



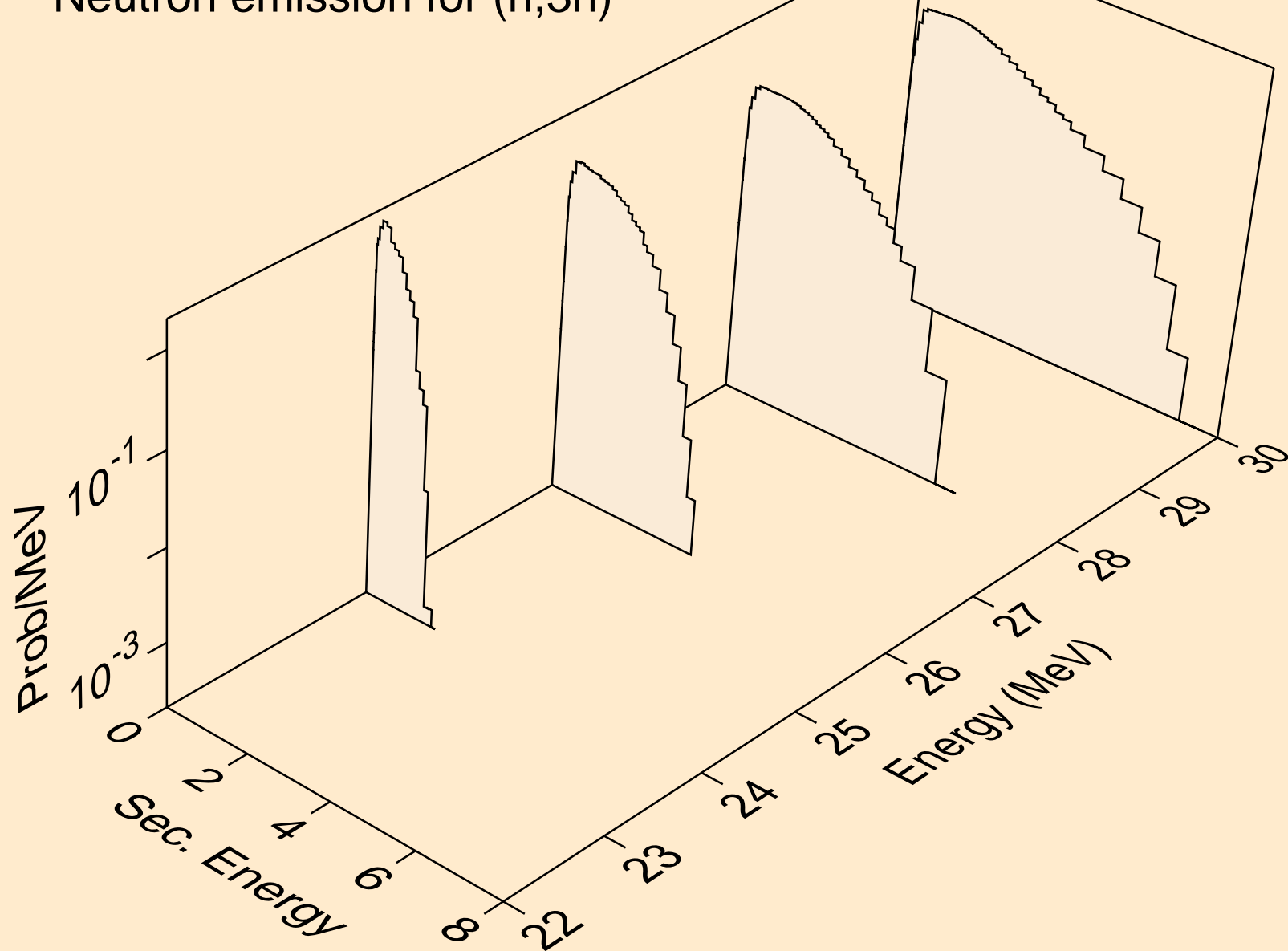
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



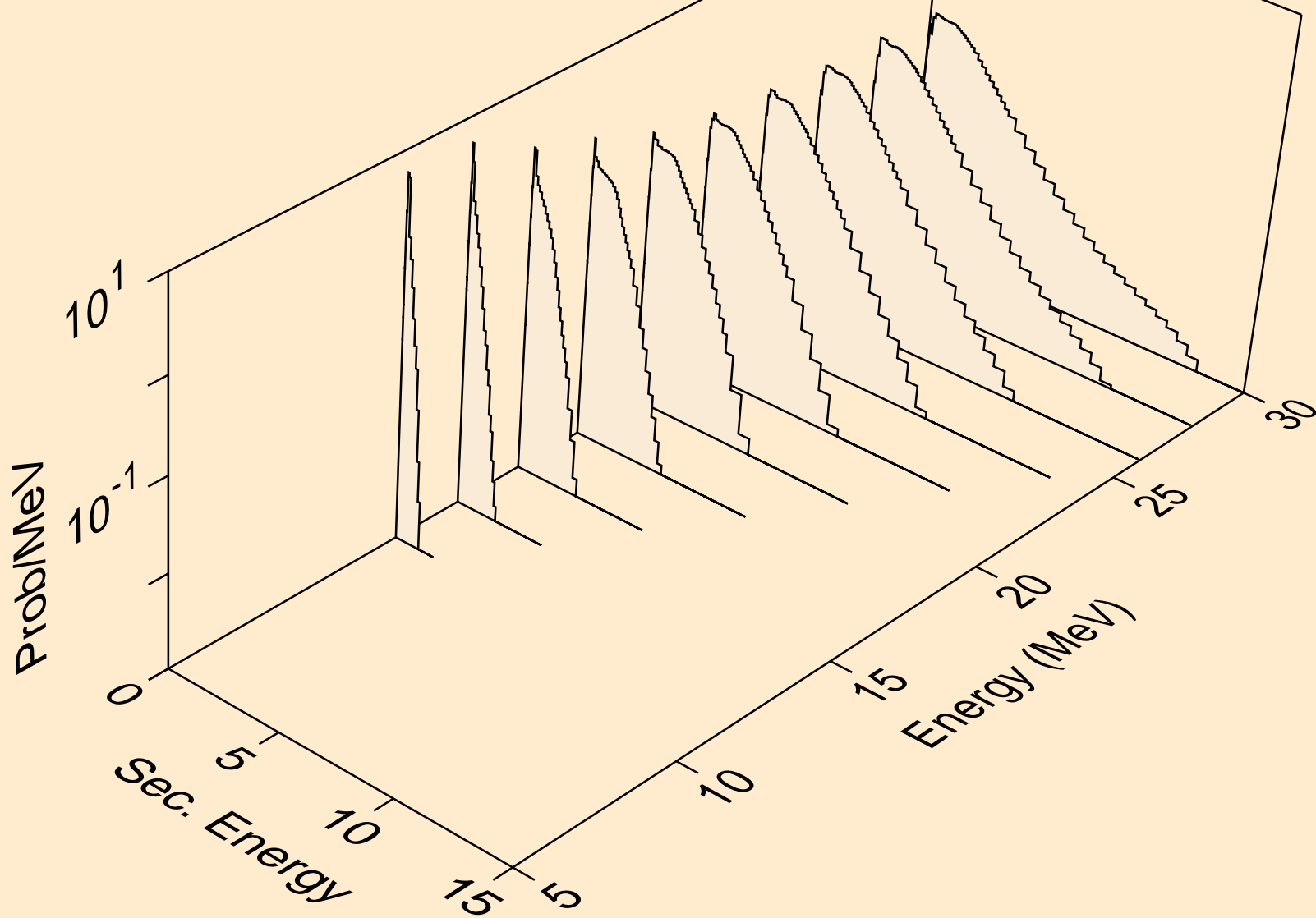
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



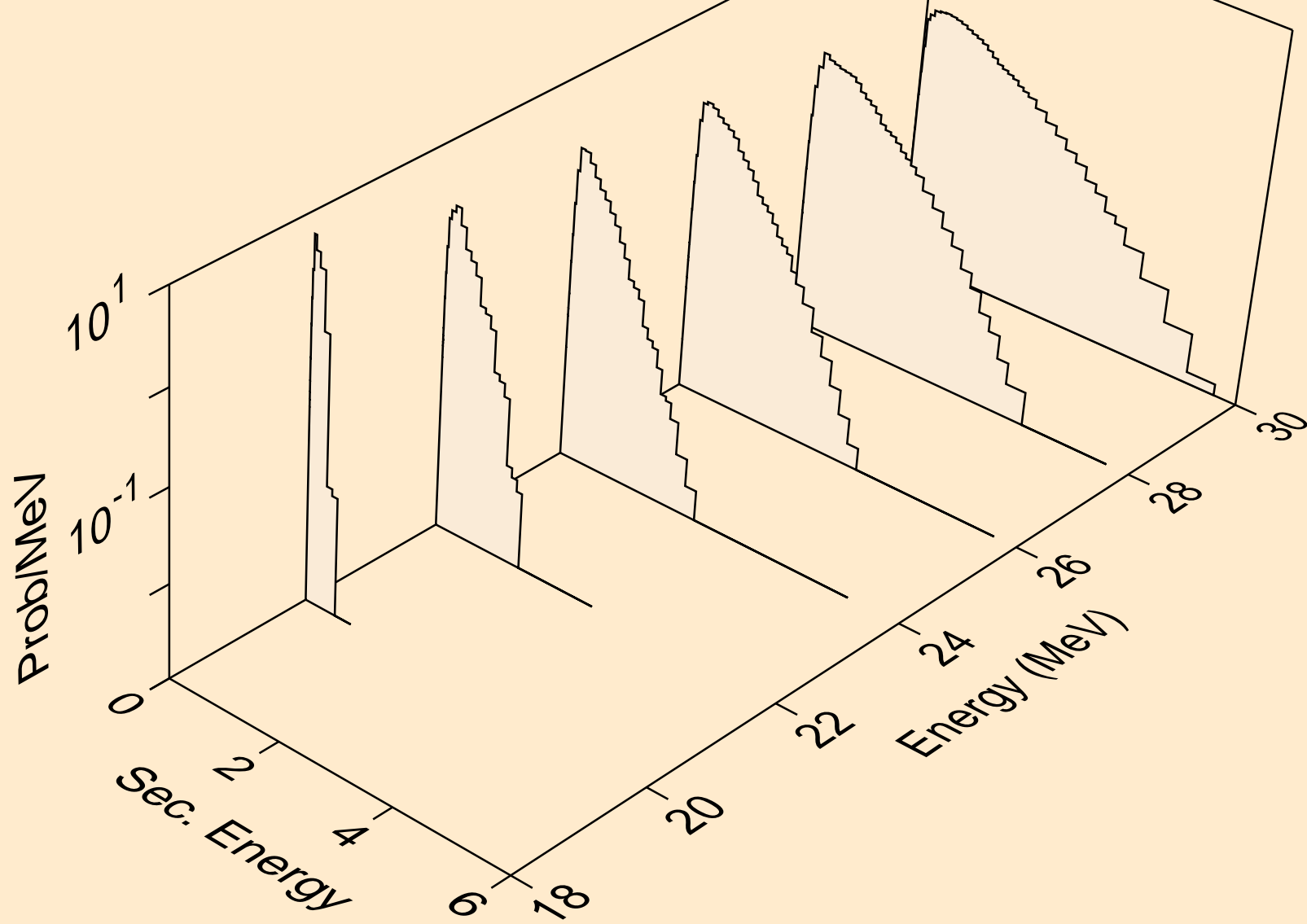
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



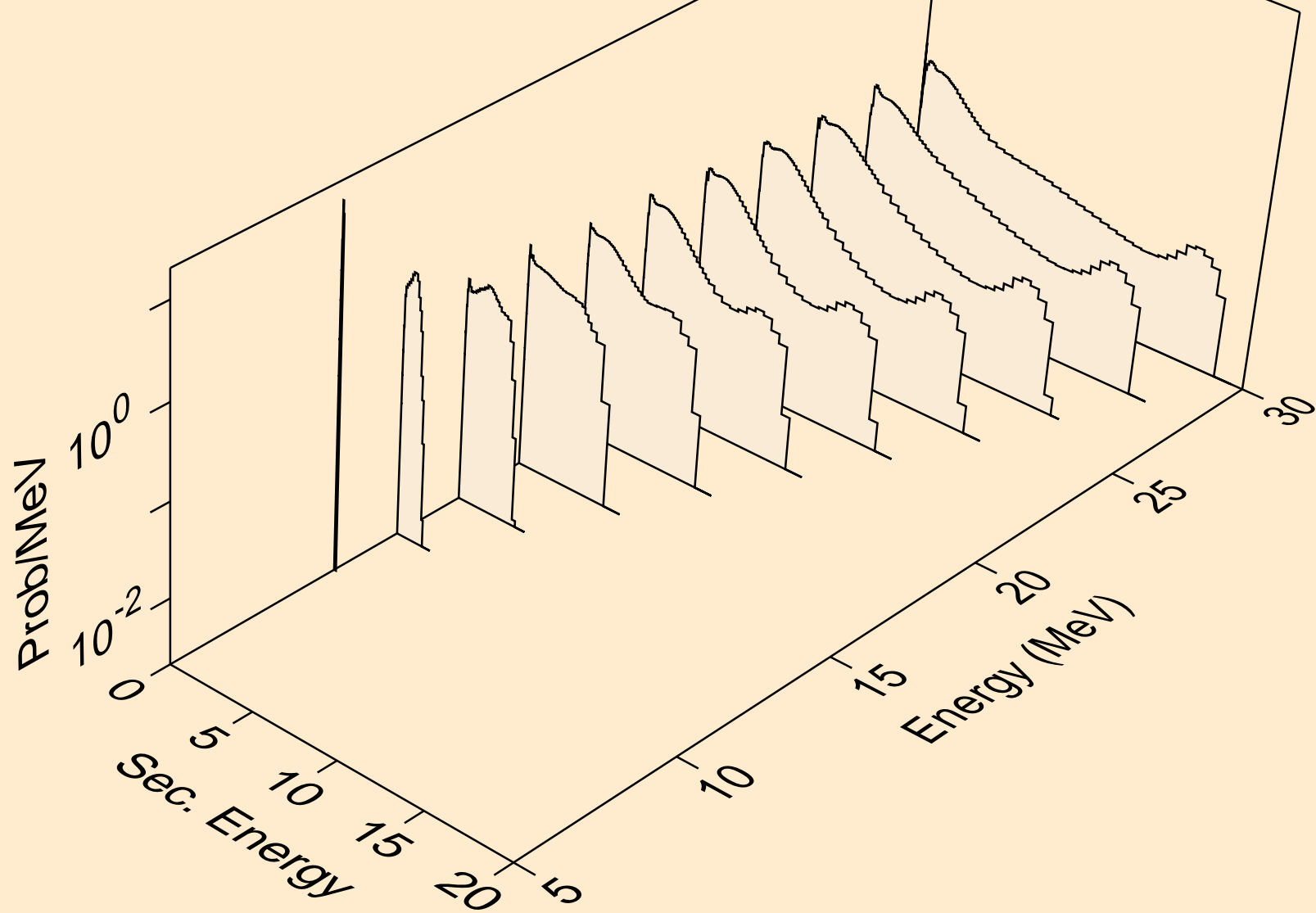
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



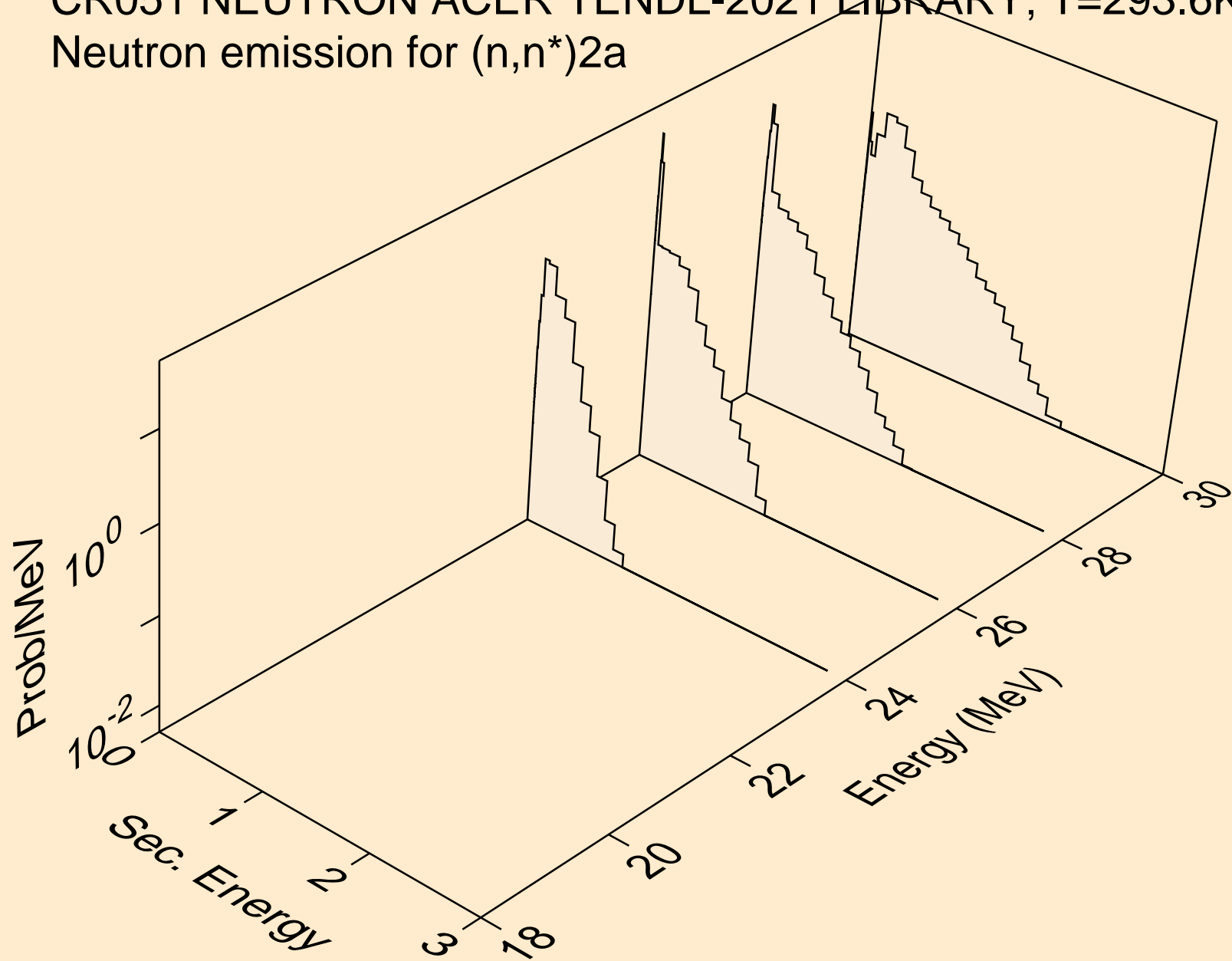
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

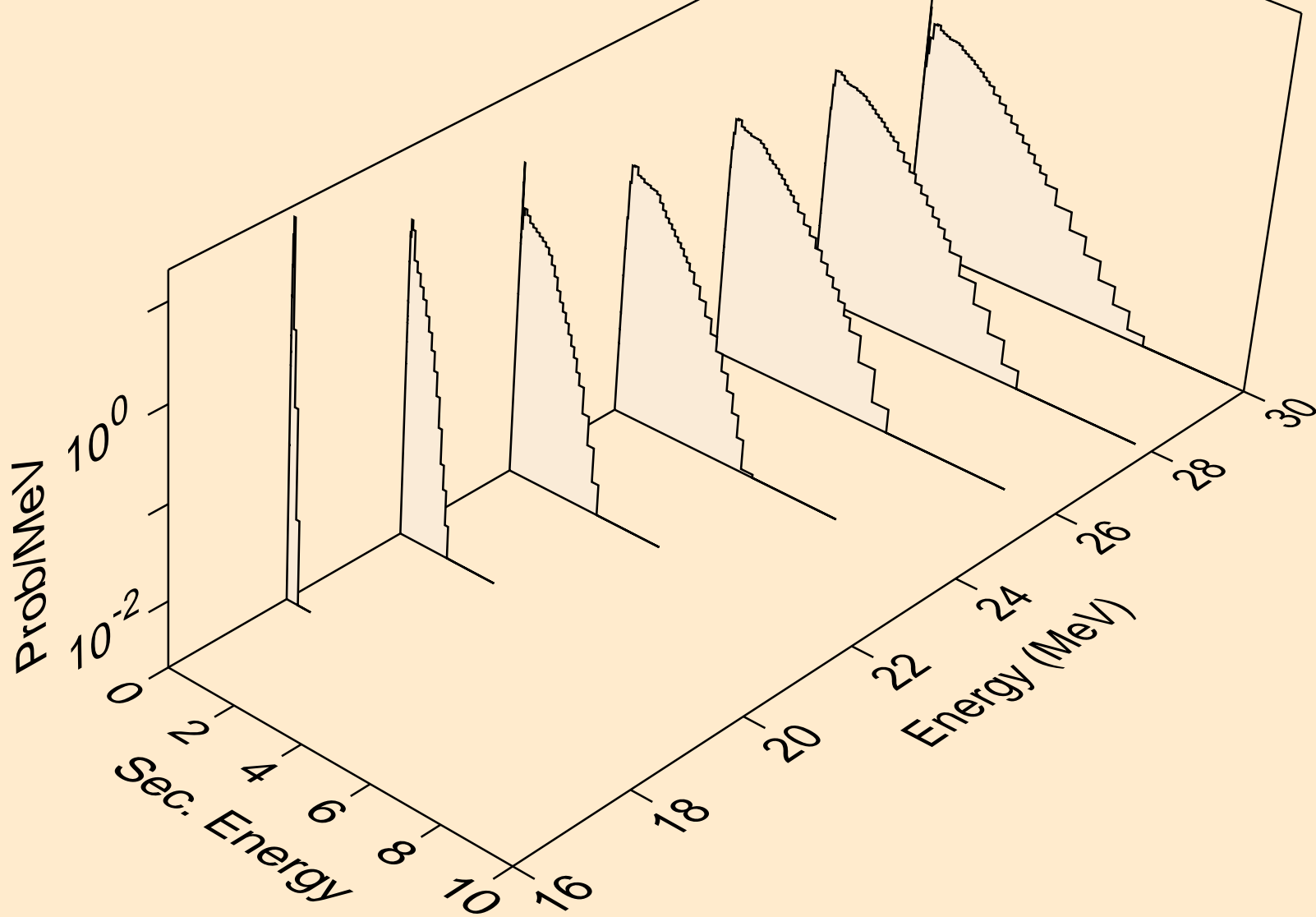


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

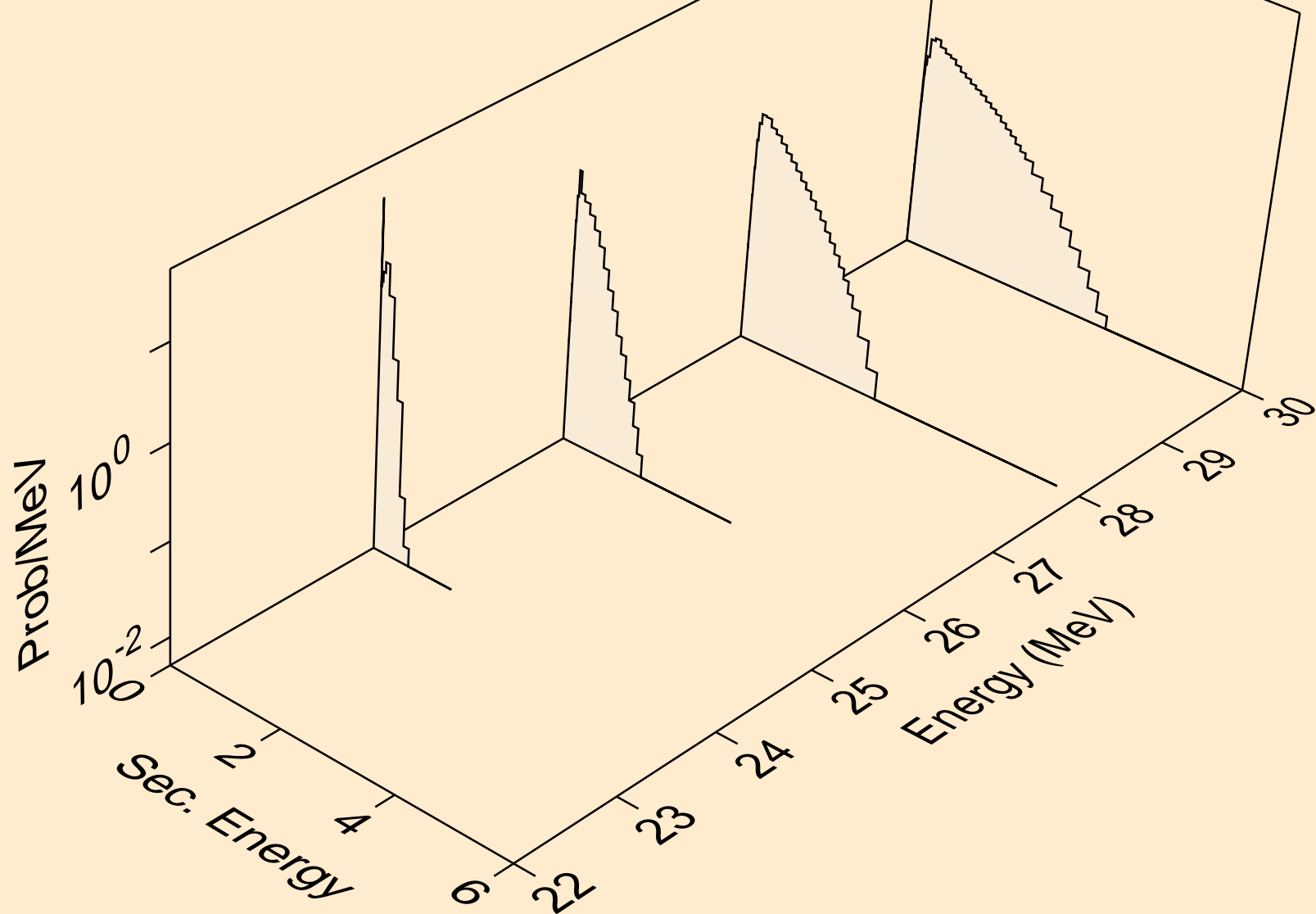




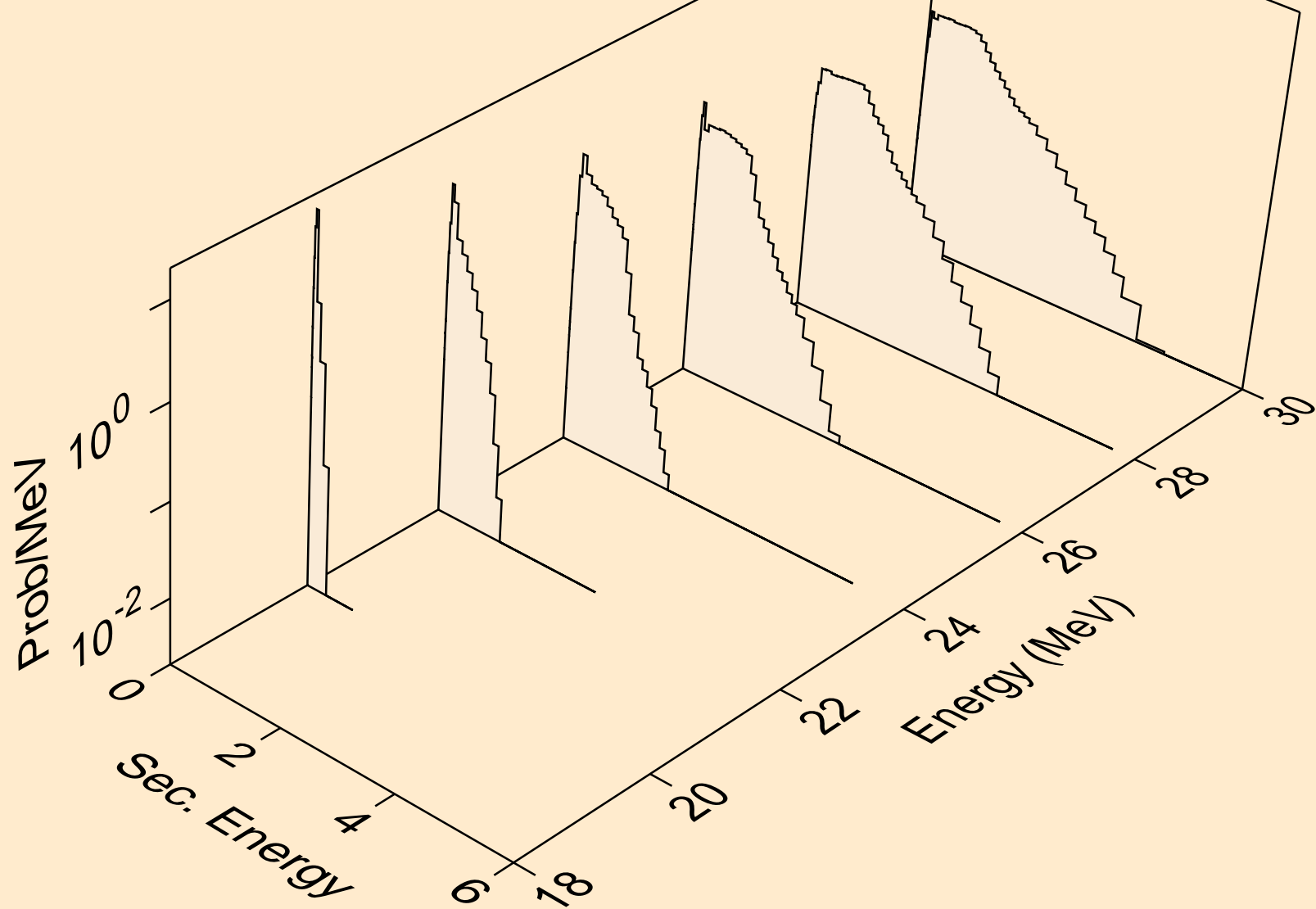
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



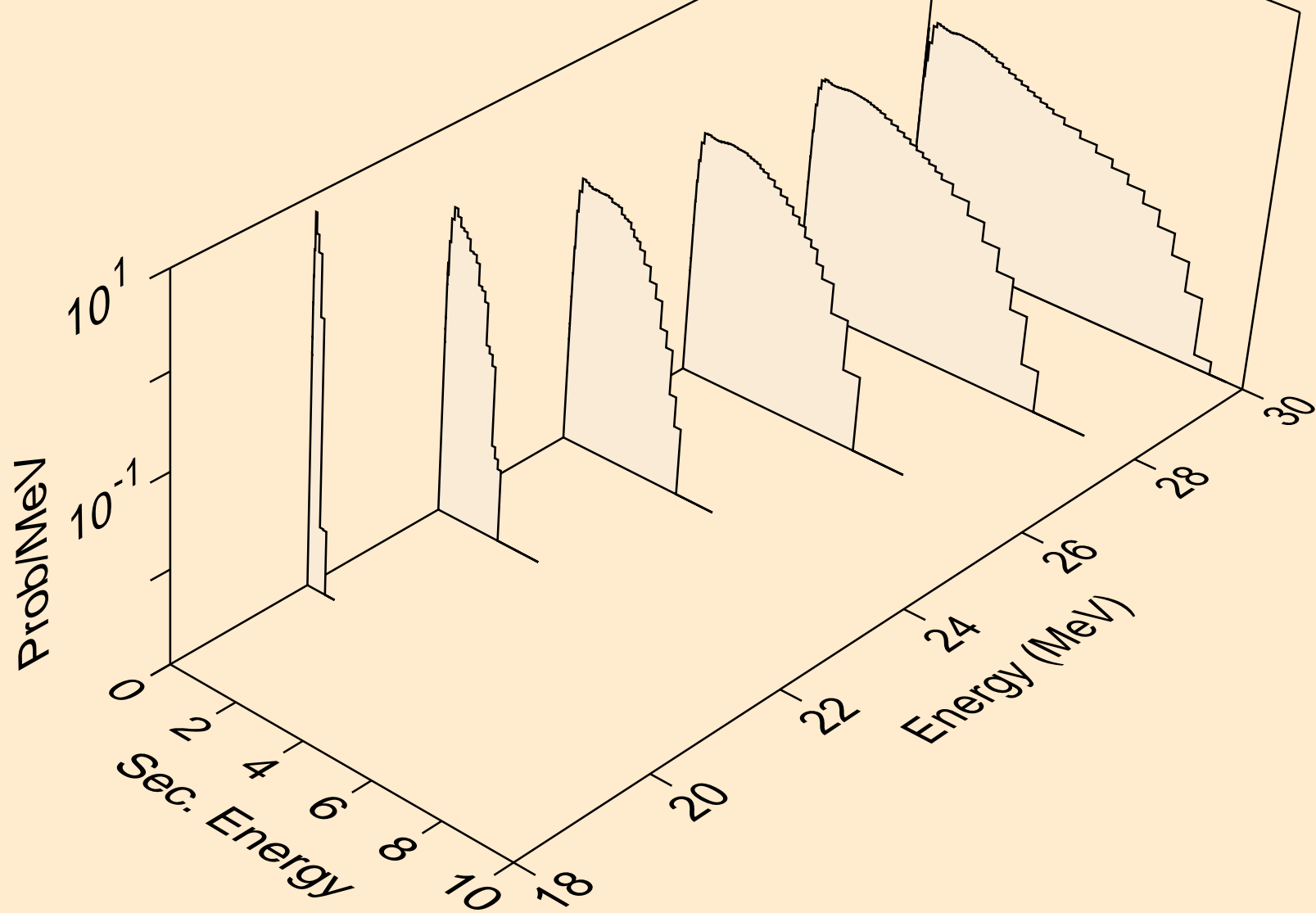
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



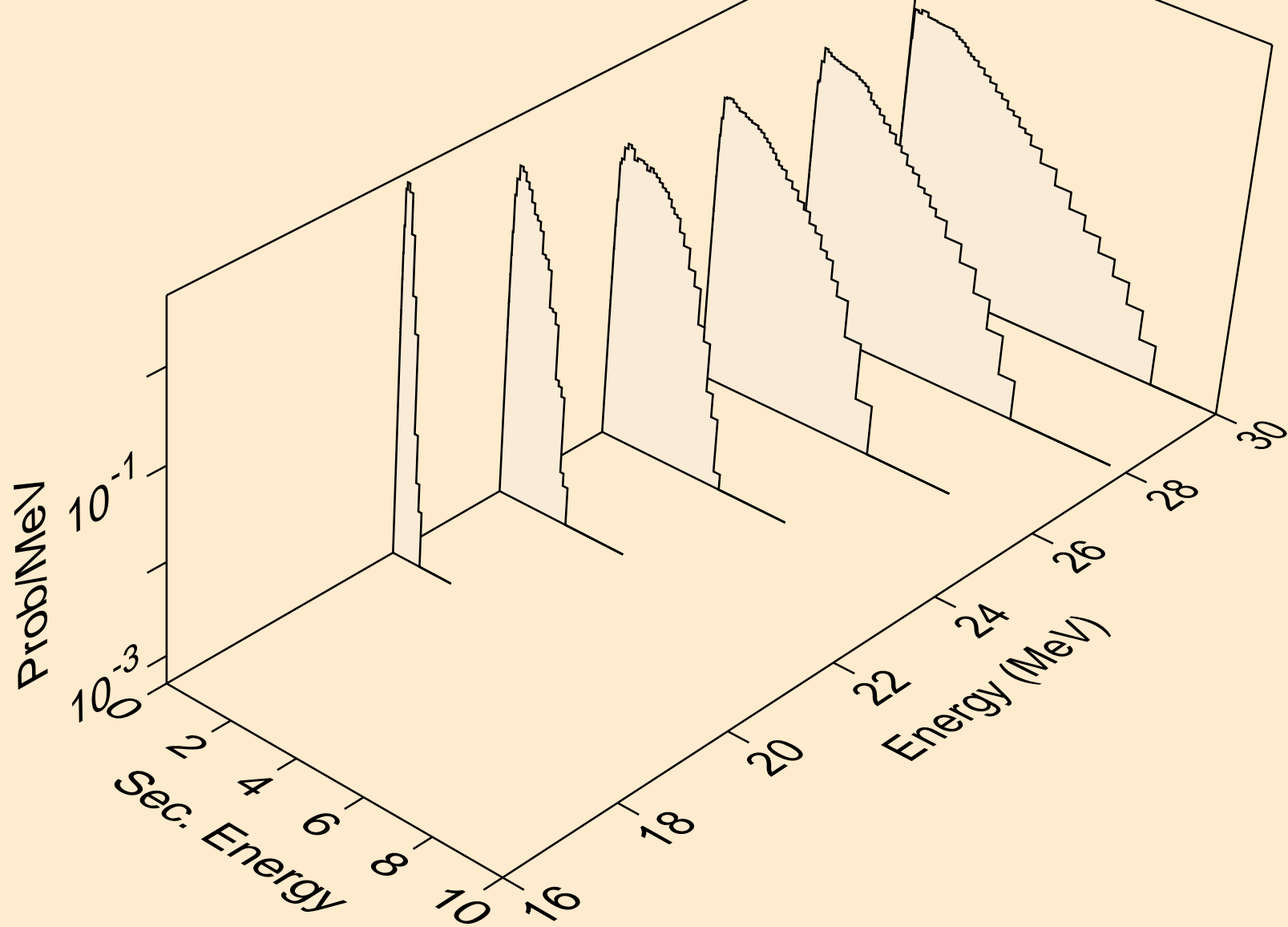
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



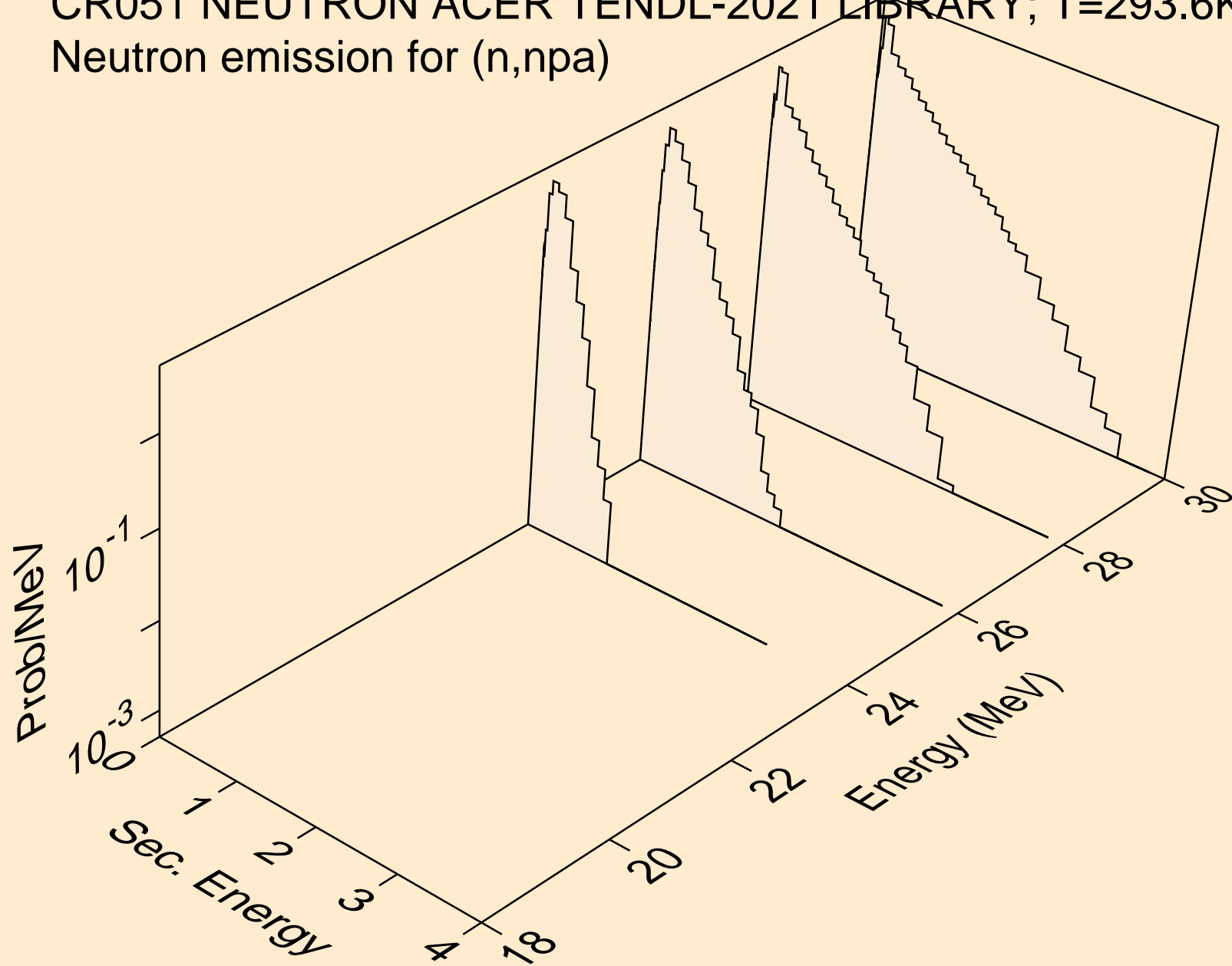
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



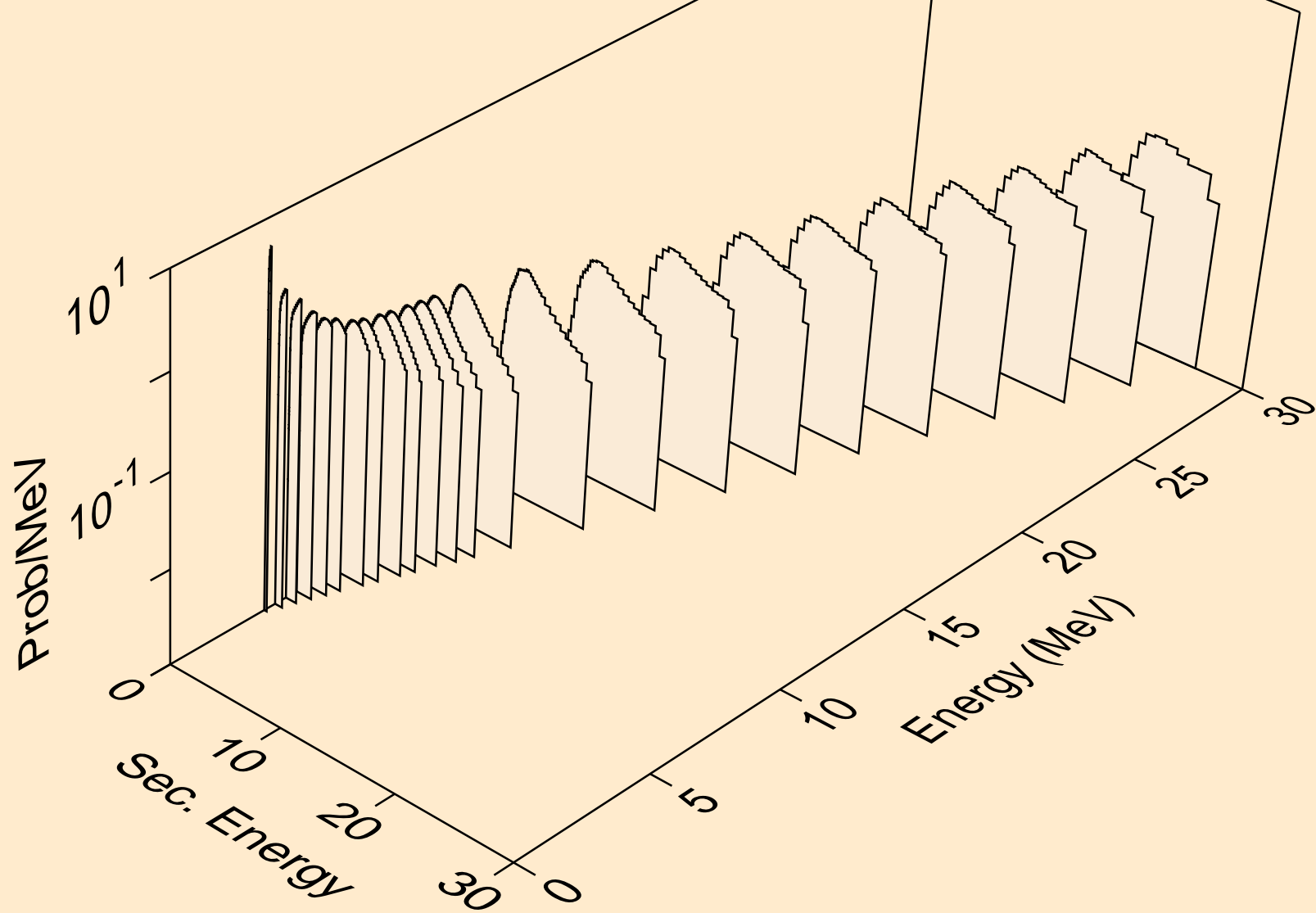
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



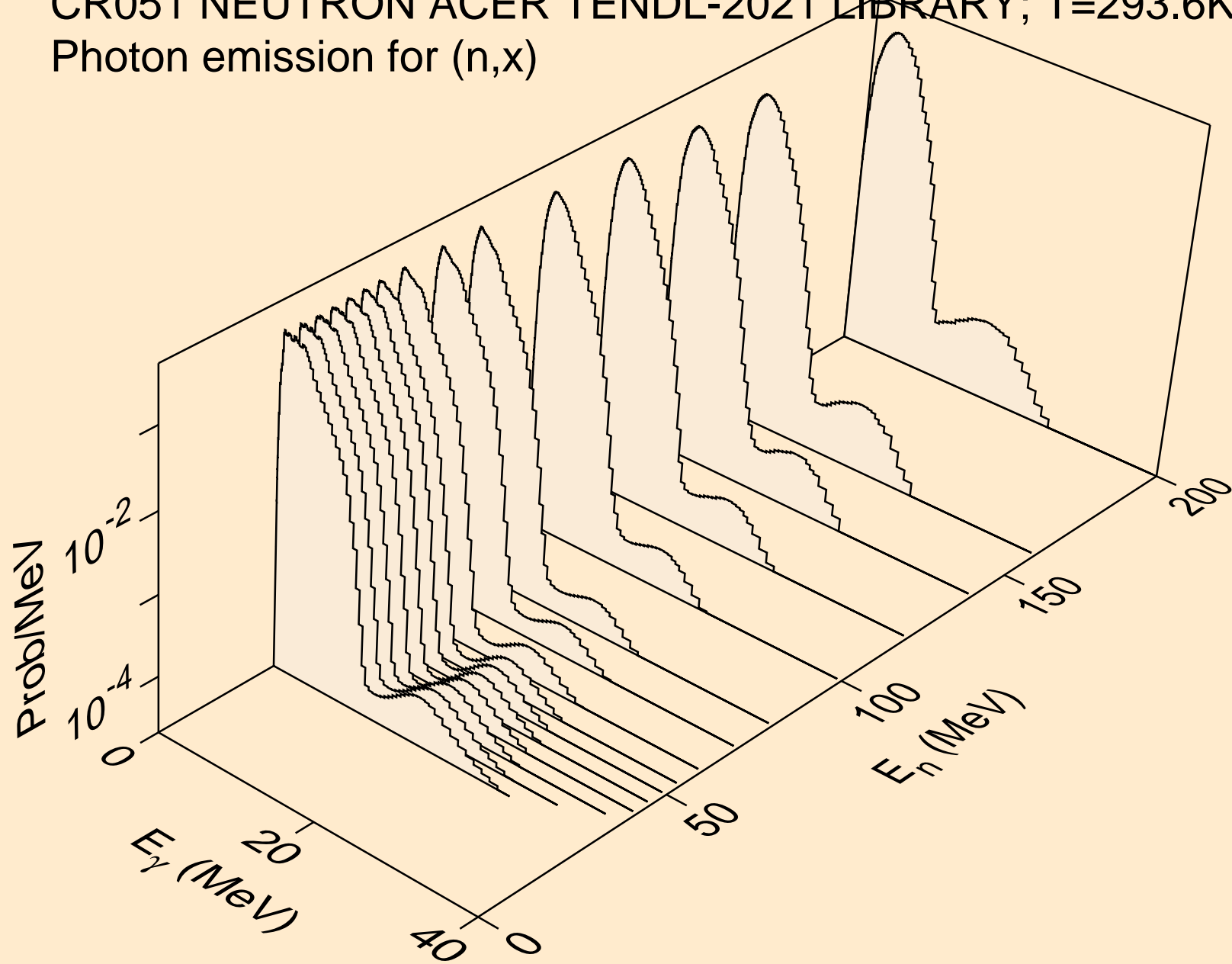
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

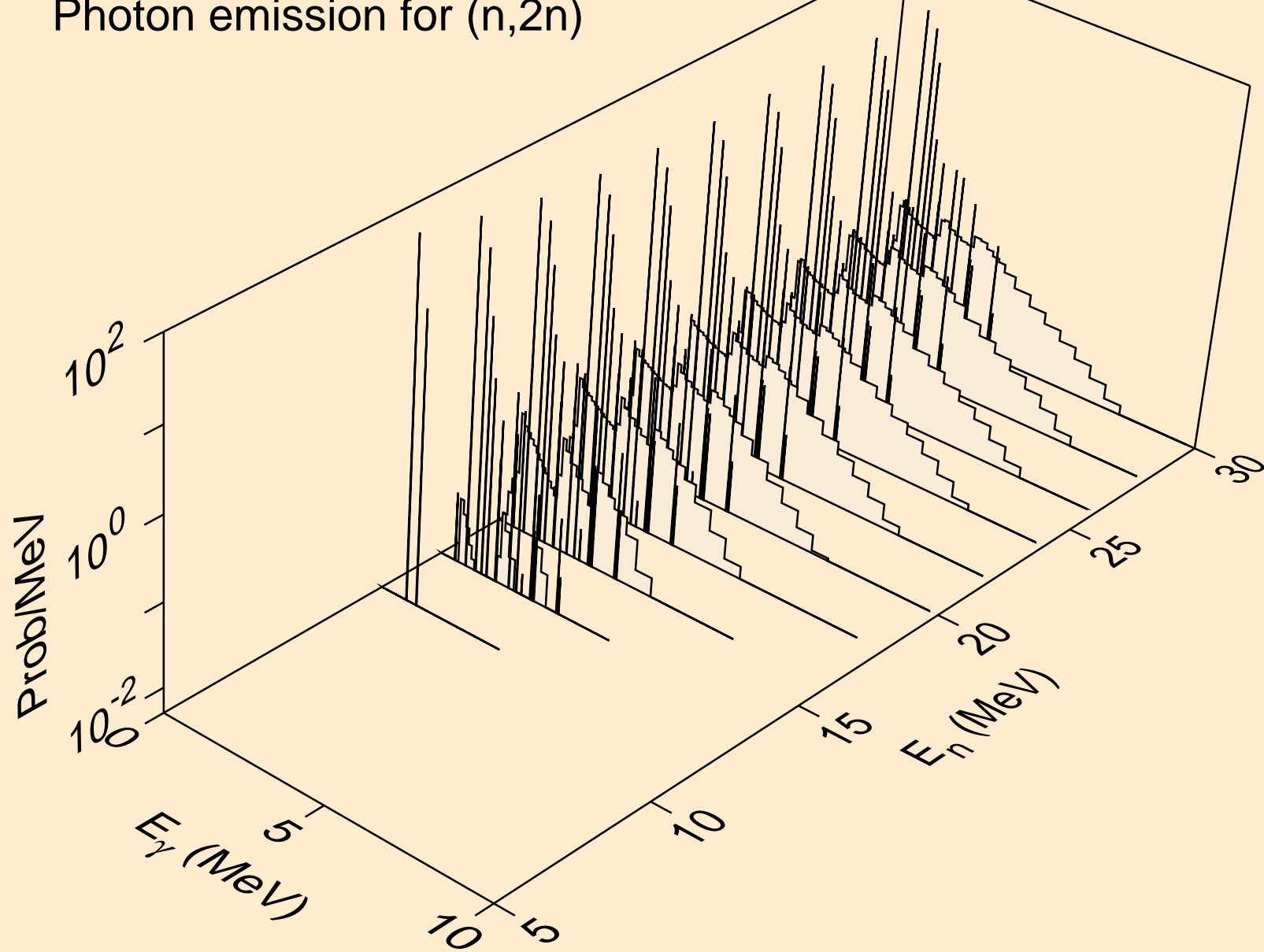


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

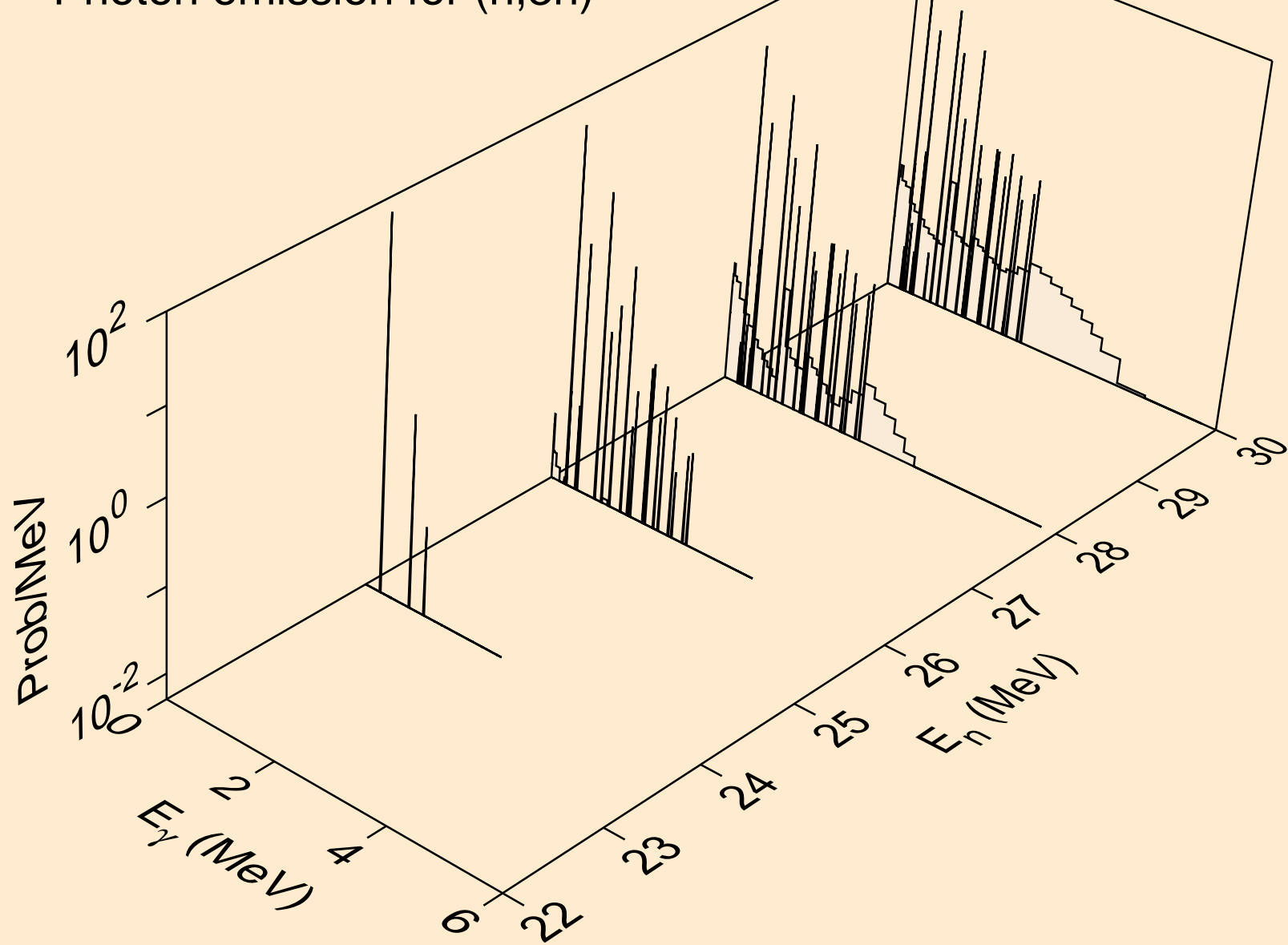




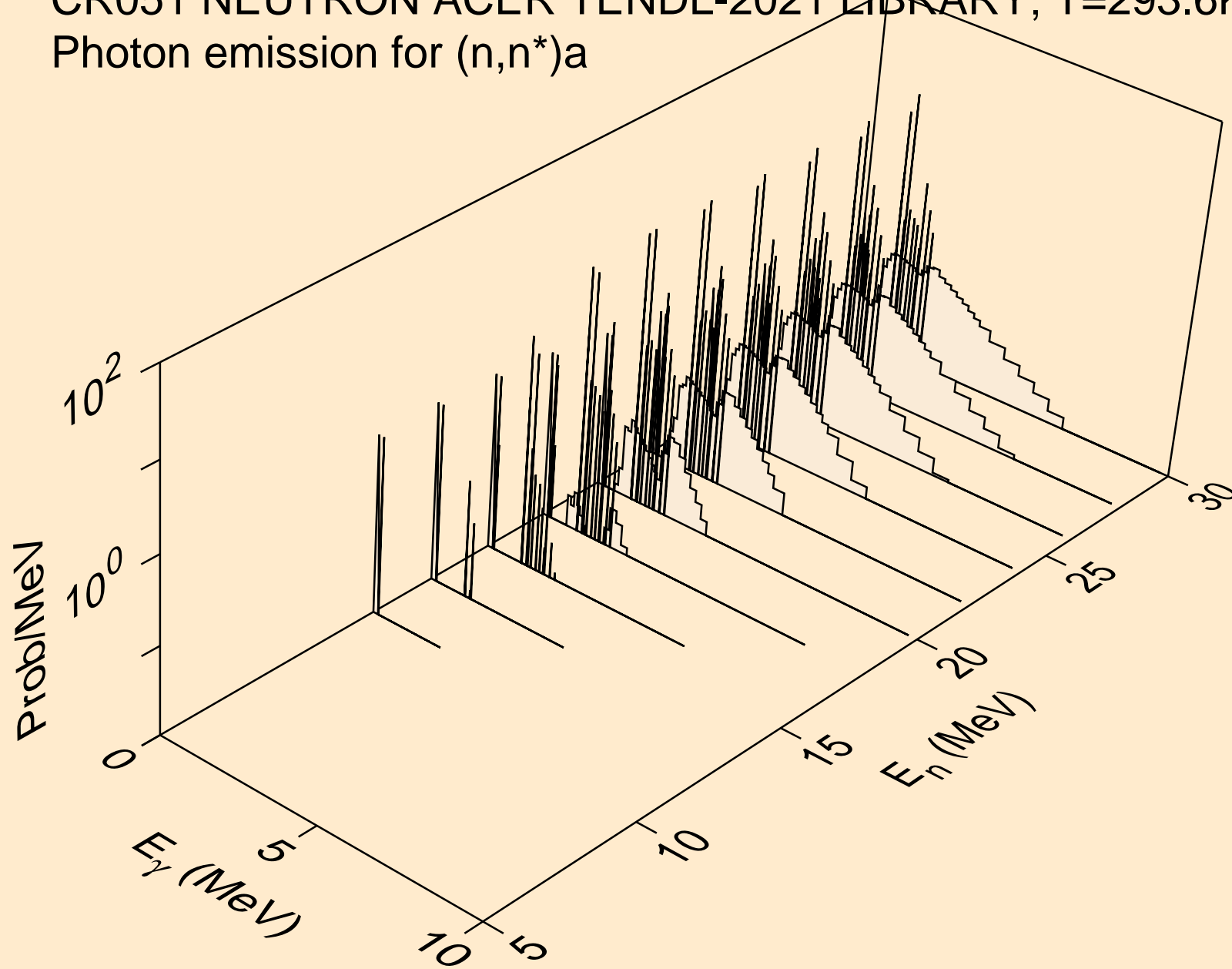
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



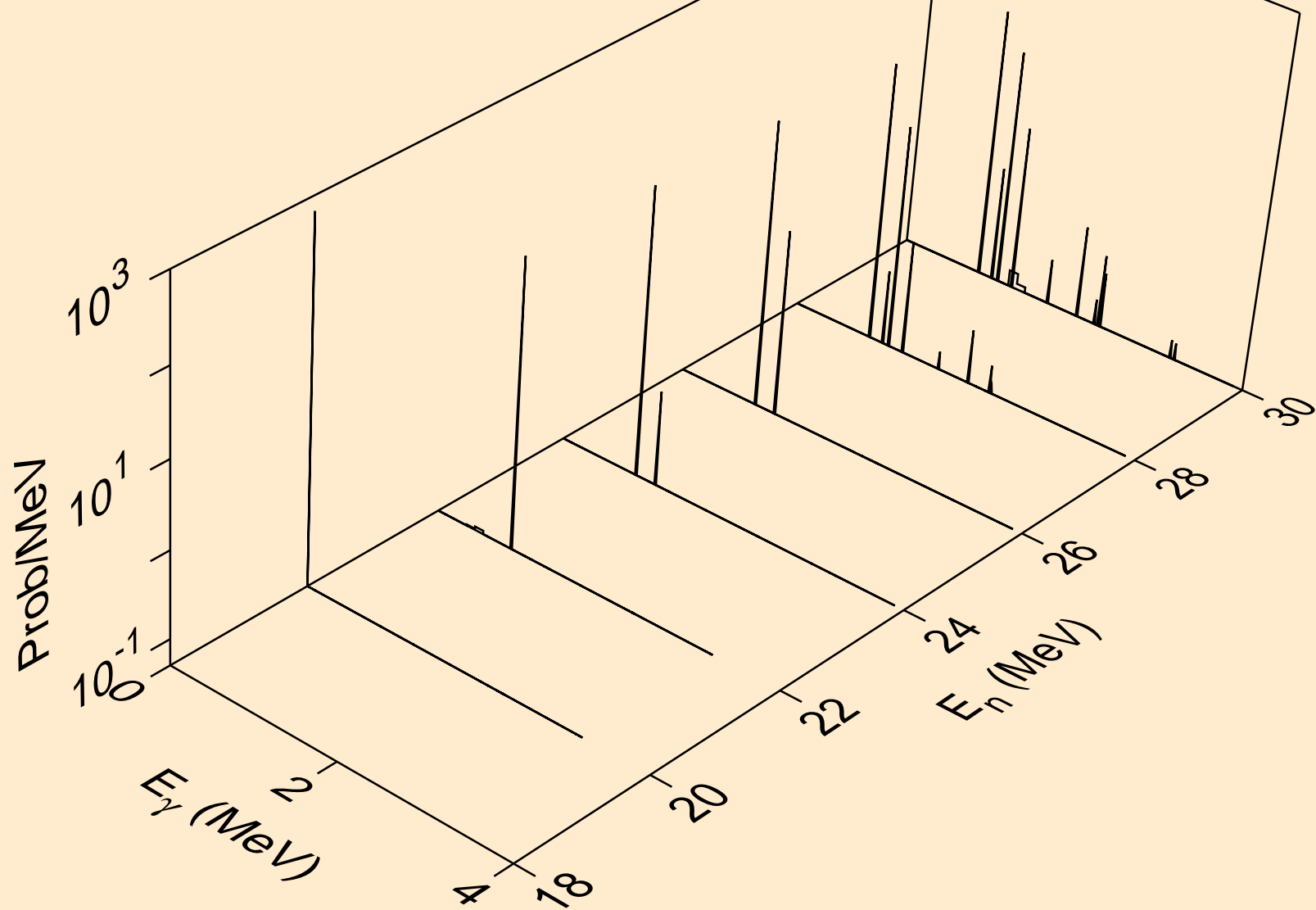
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Photon emission for (n,3n)



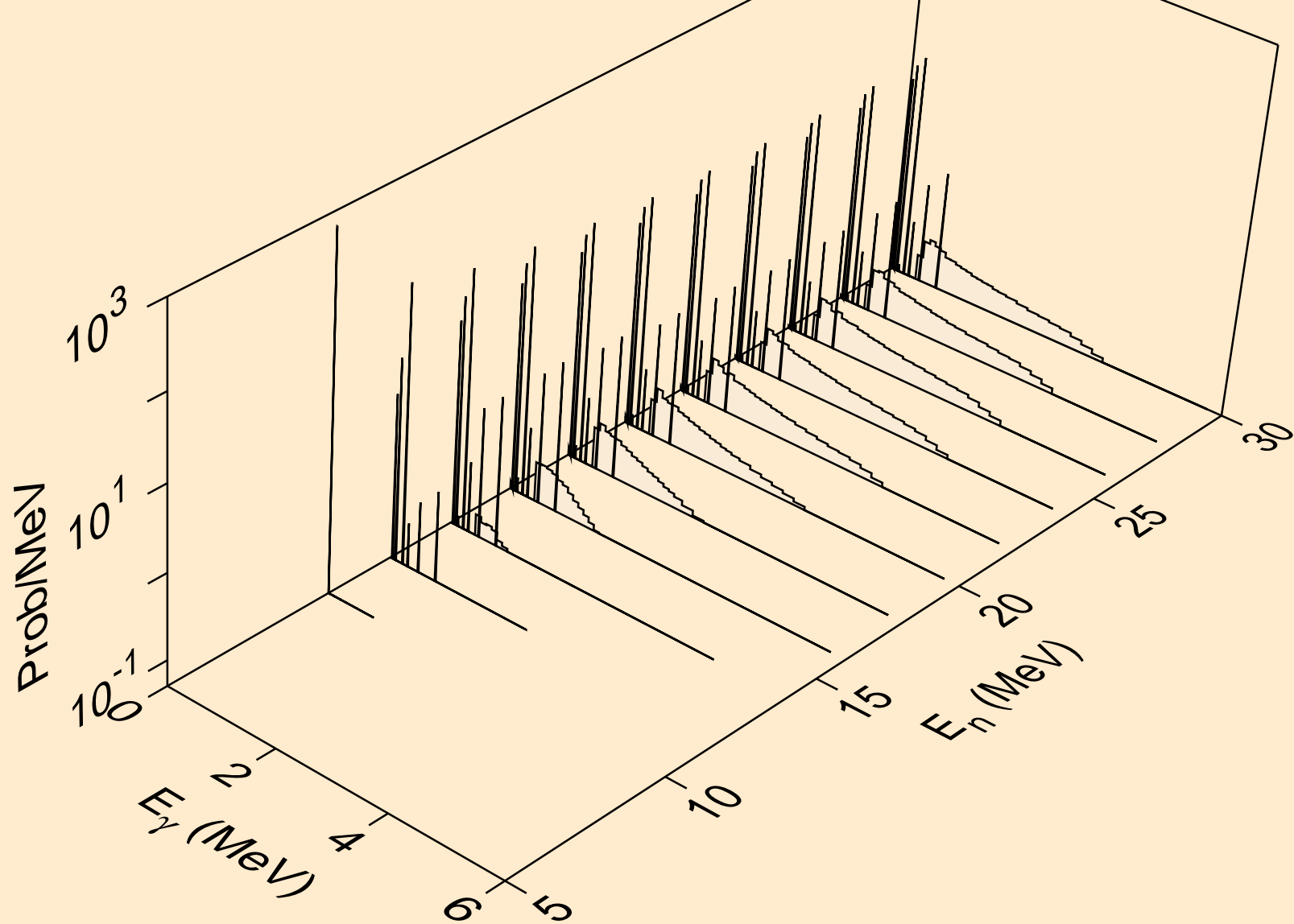
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



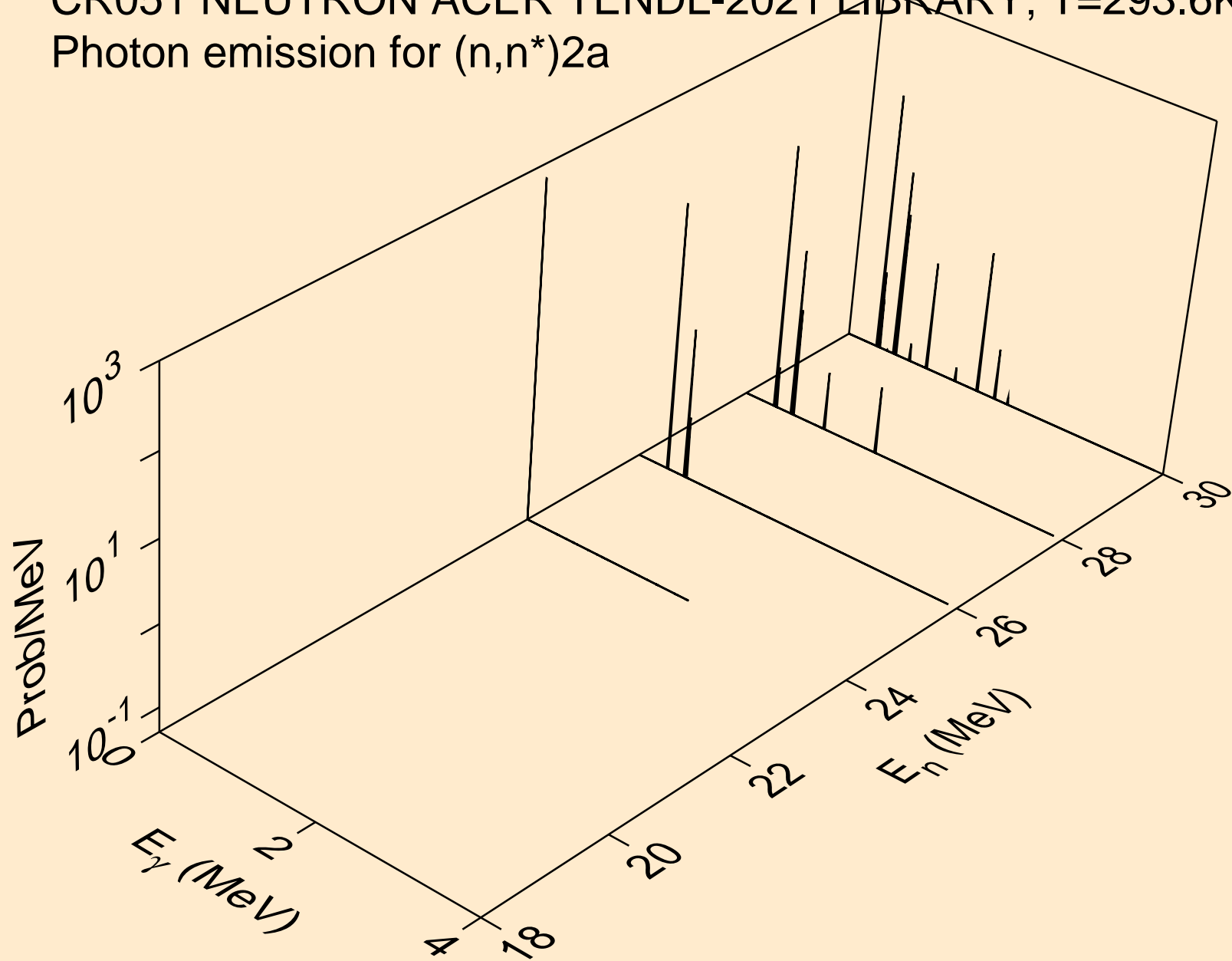
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



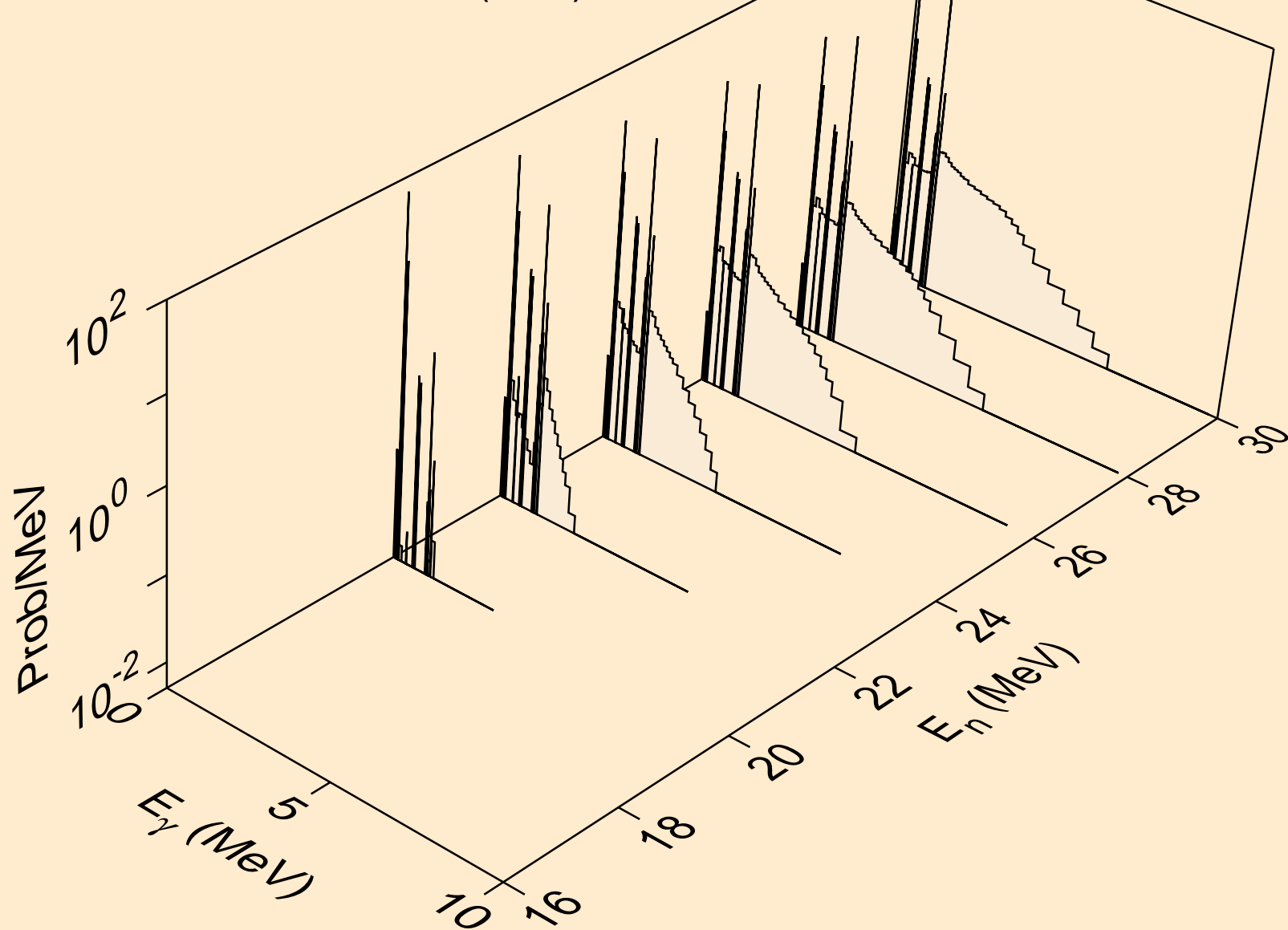
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



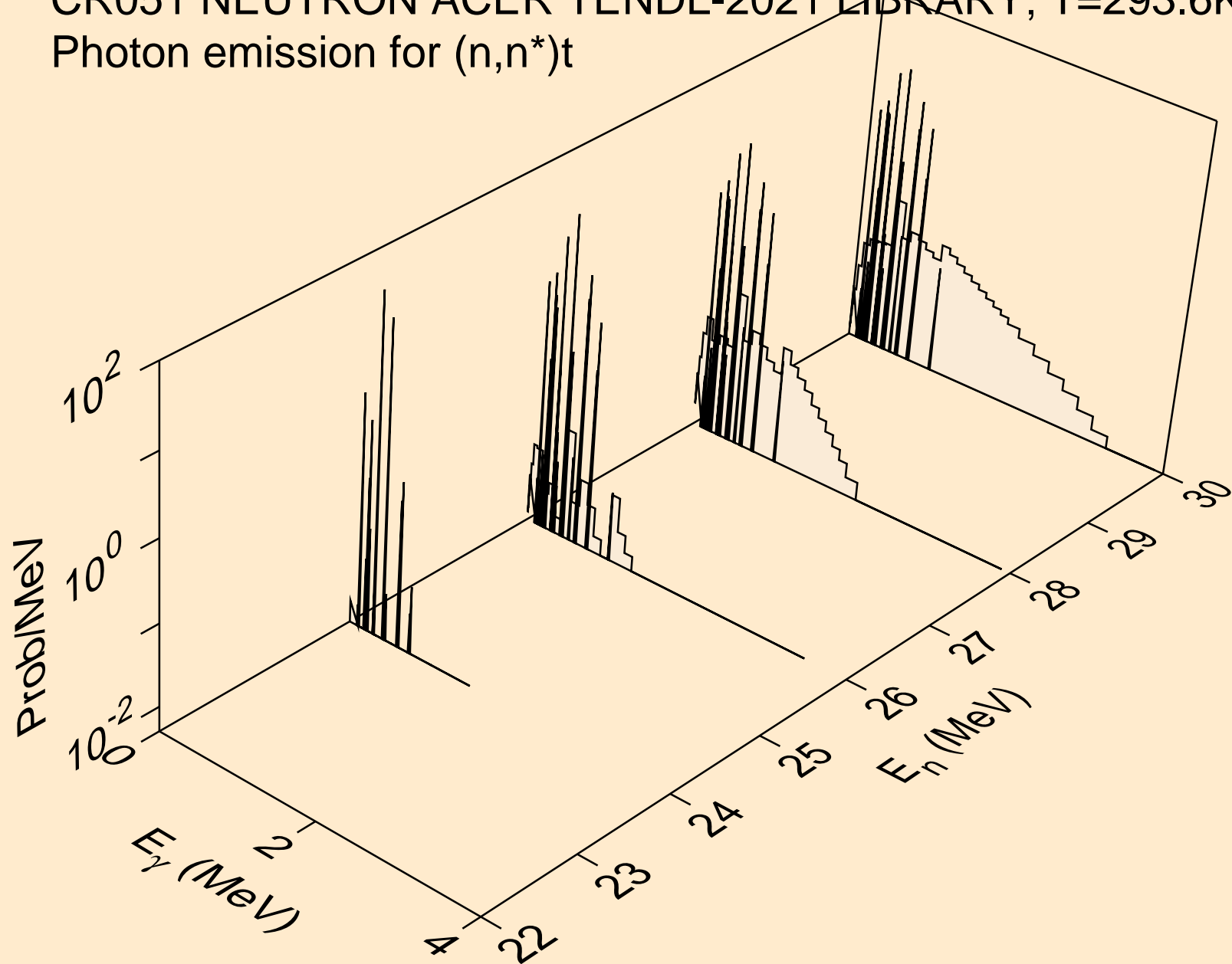
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

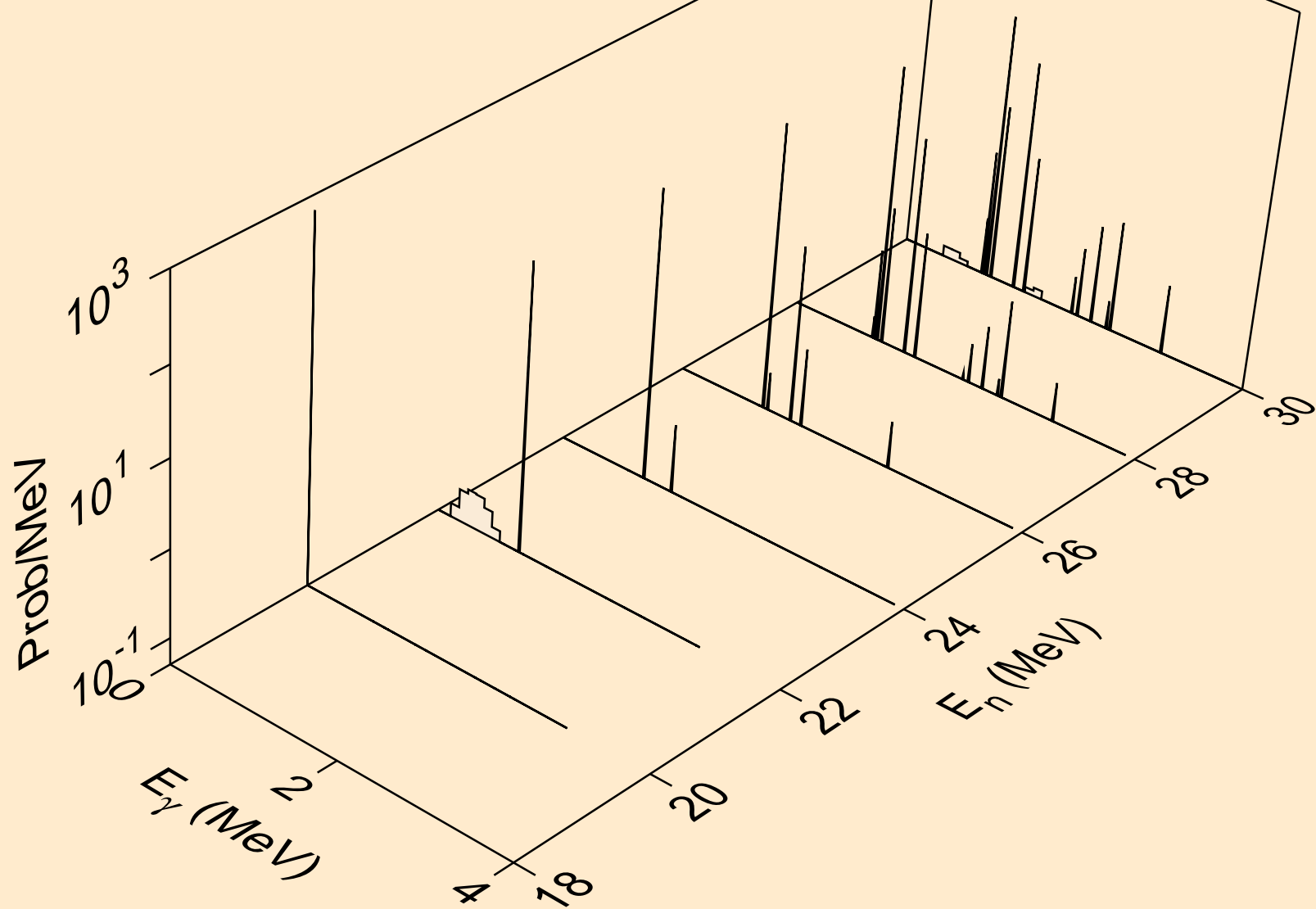


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

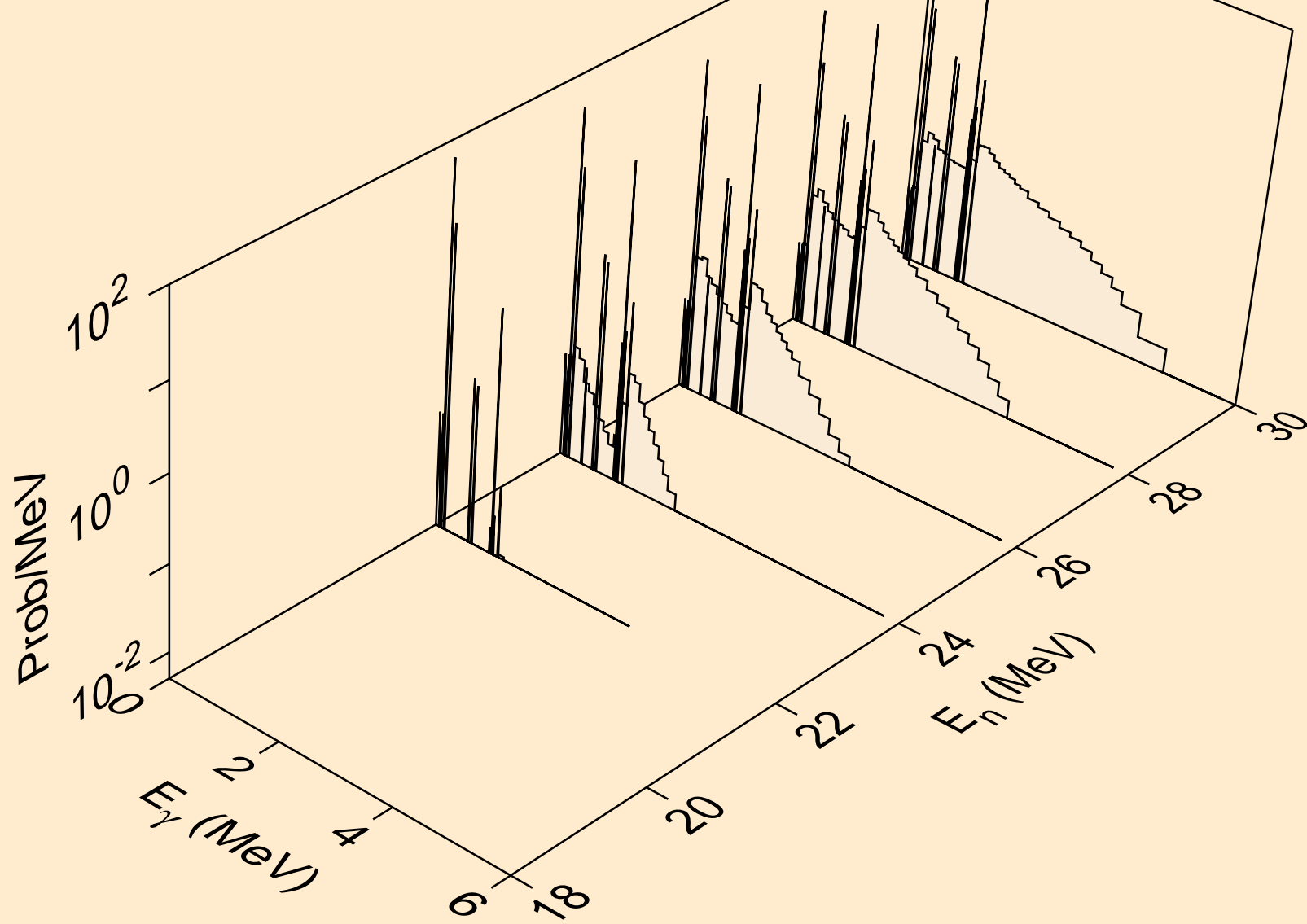




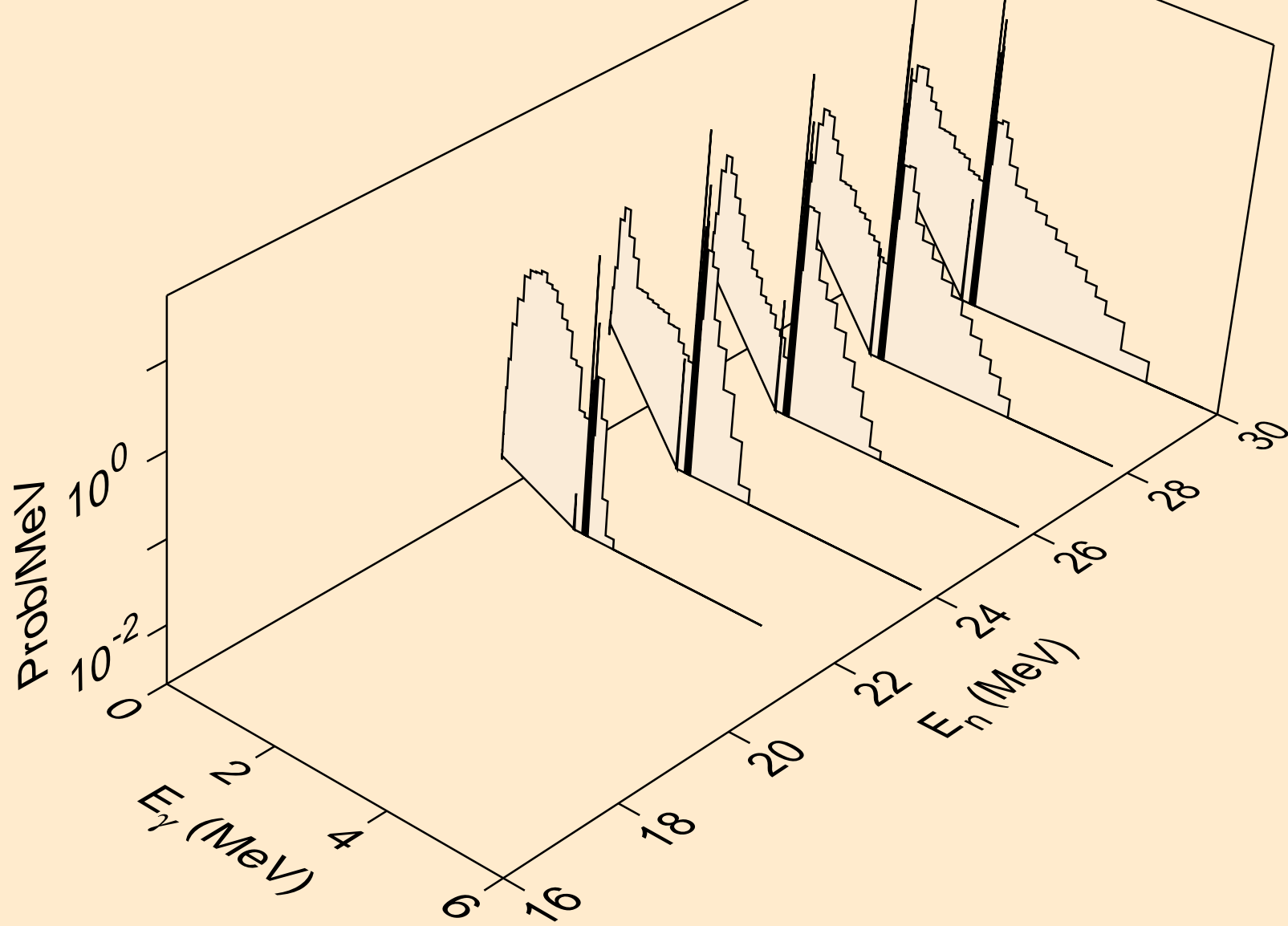
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



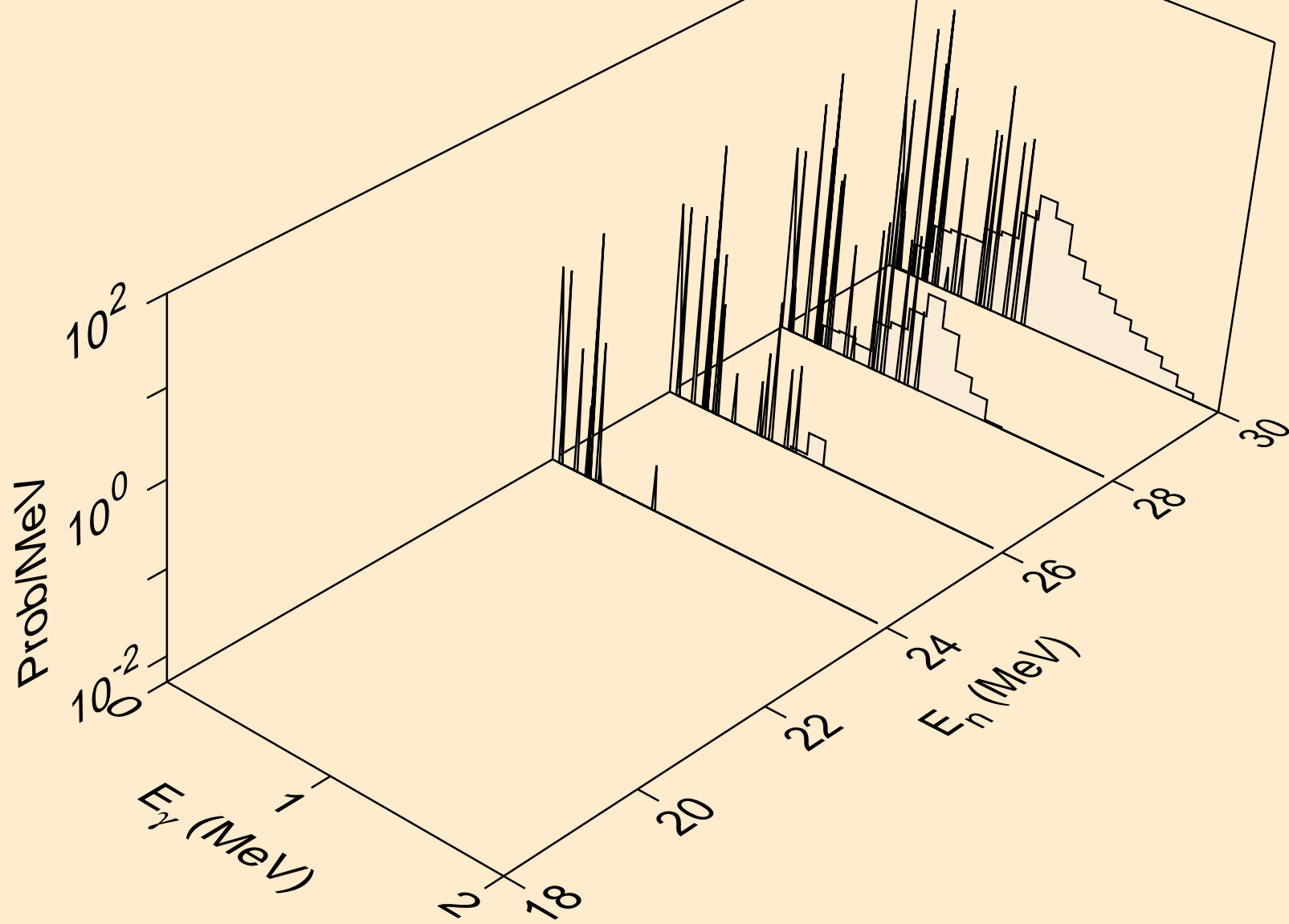
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Photon emission for (n,2np)



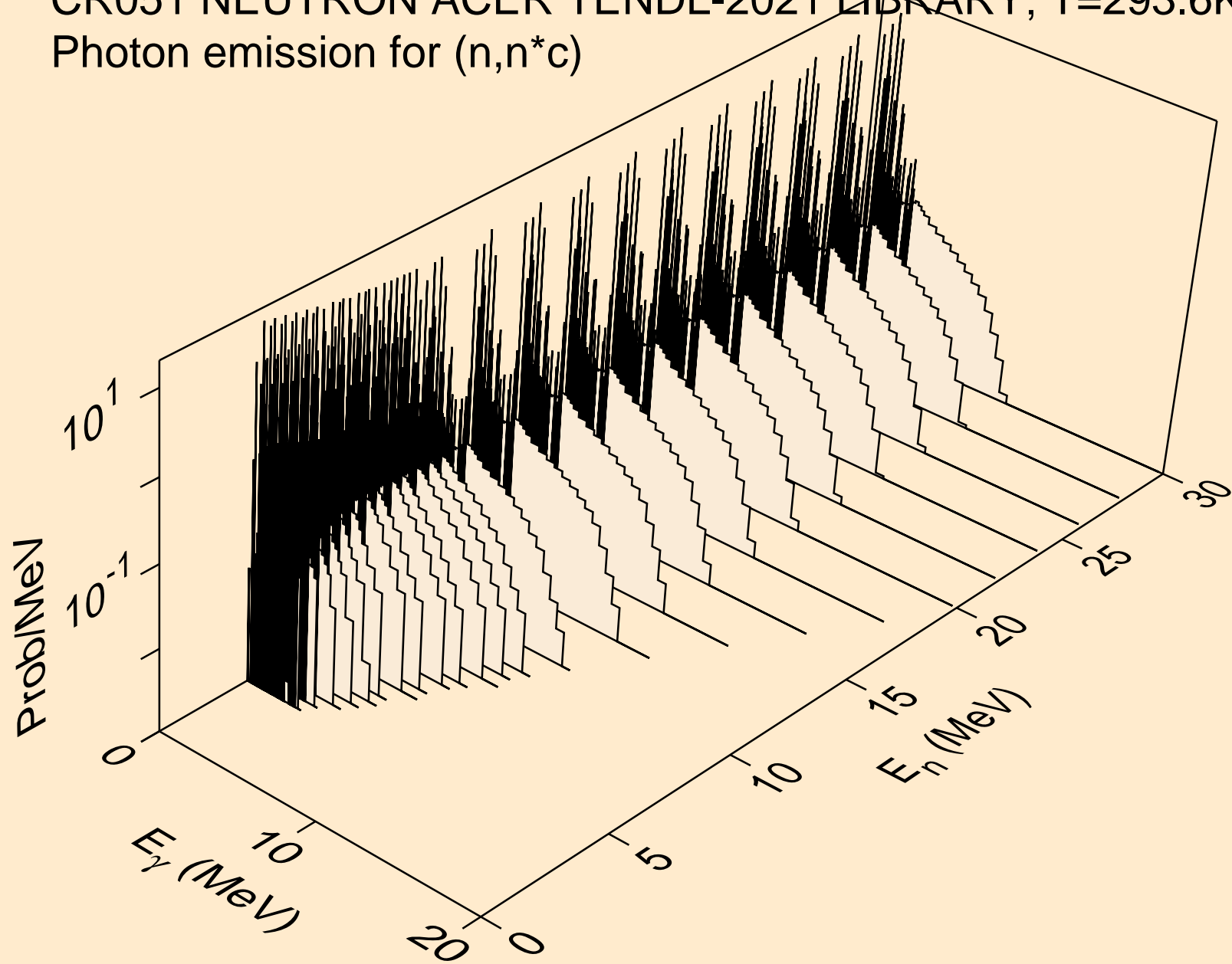
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Photon emission for (n,2np)



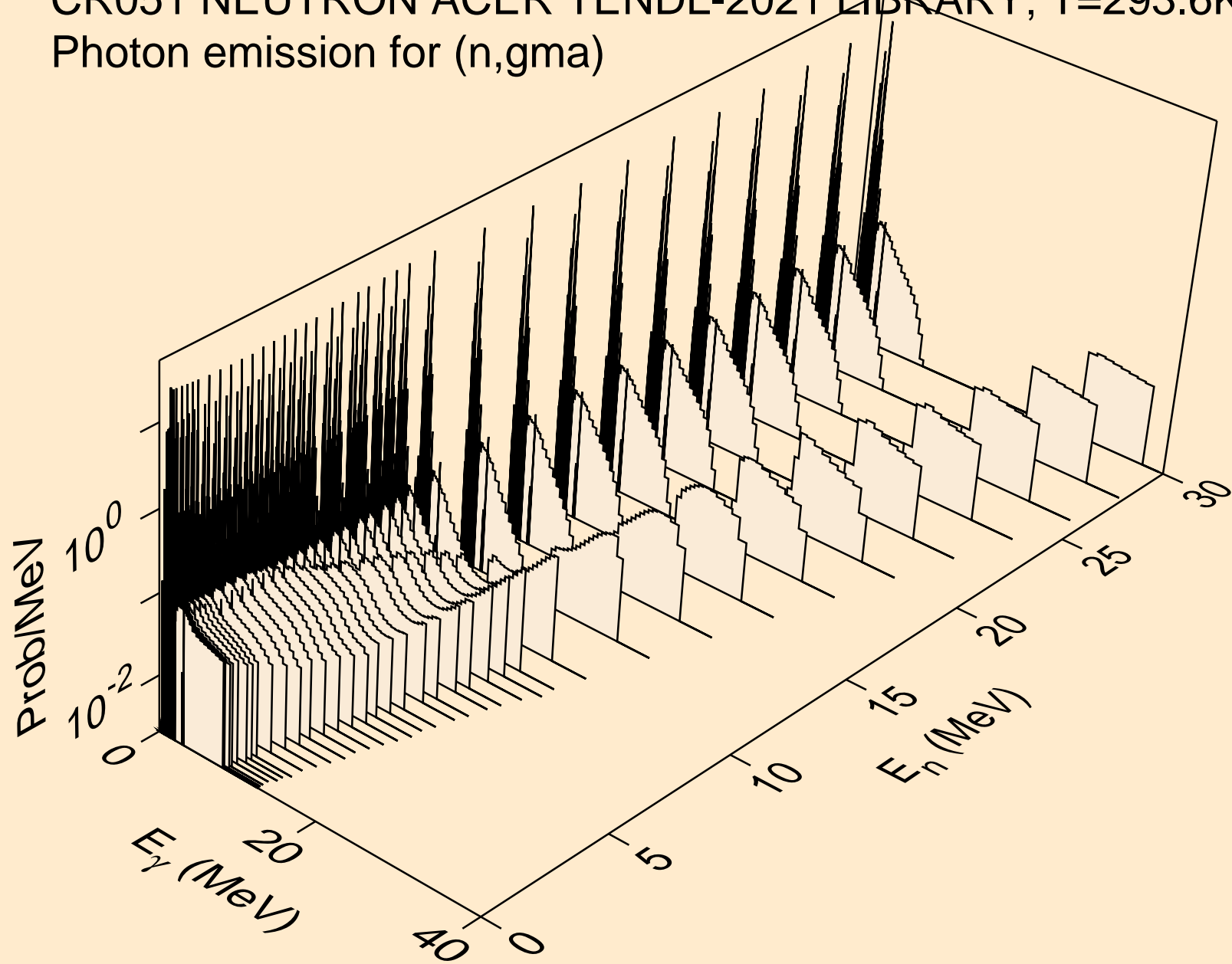
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



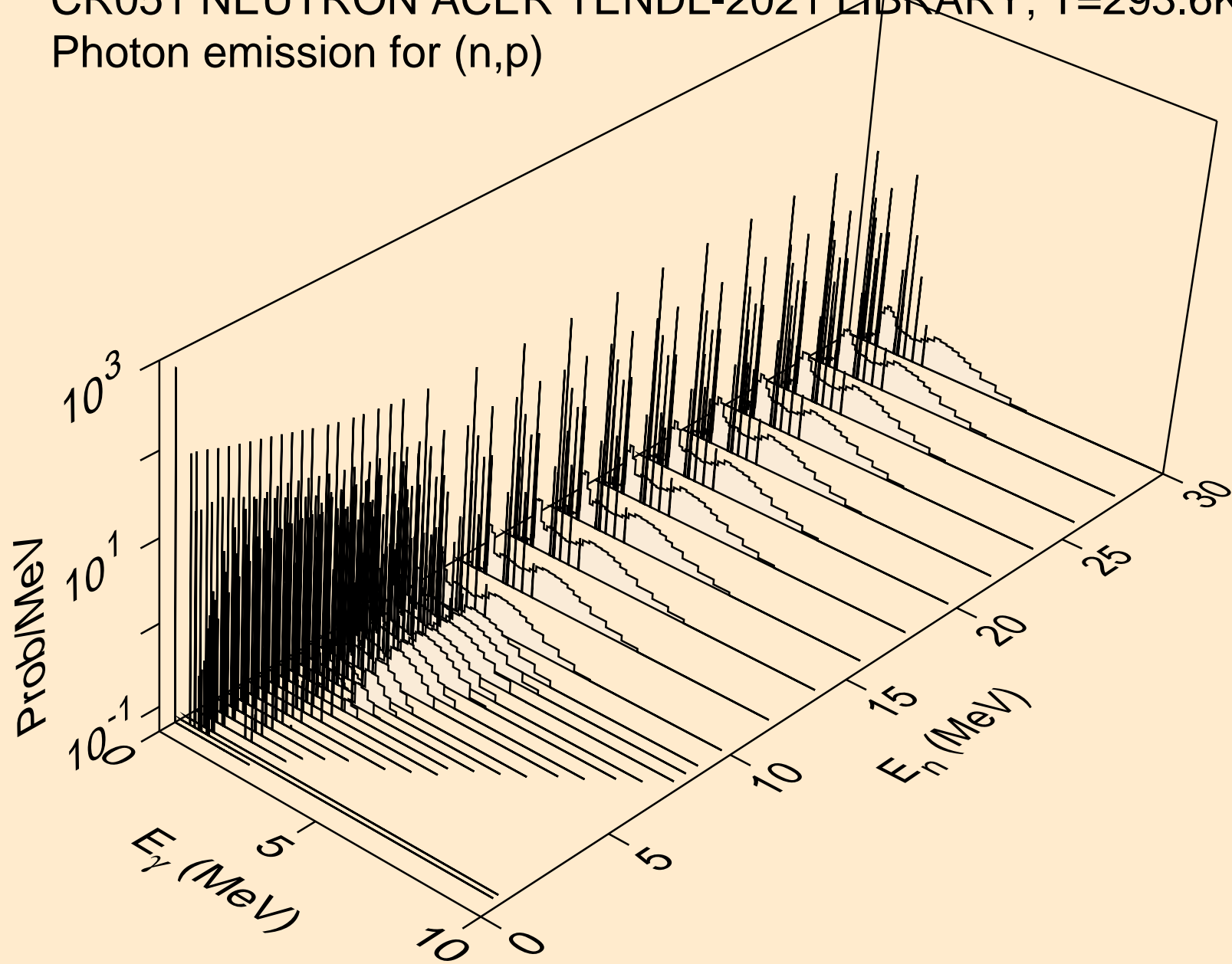
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Photon emission for (n,n\*c)



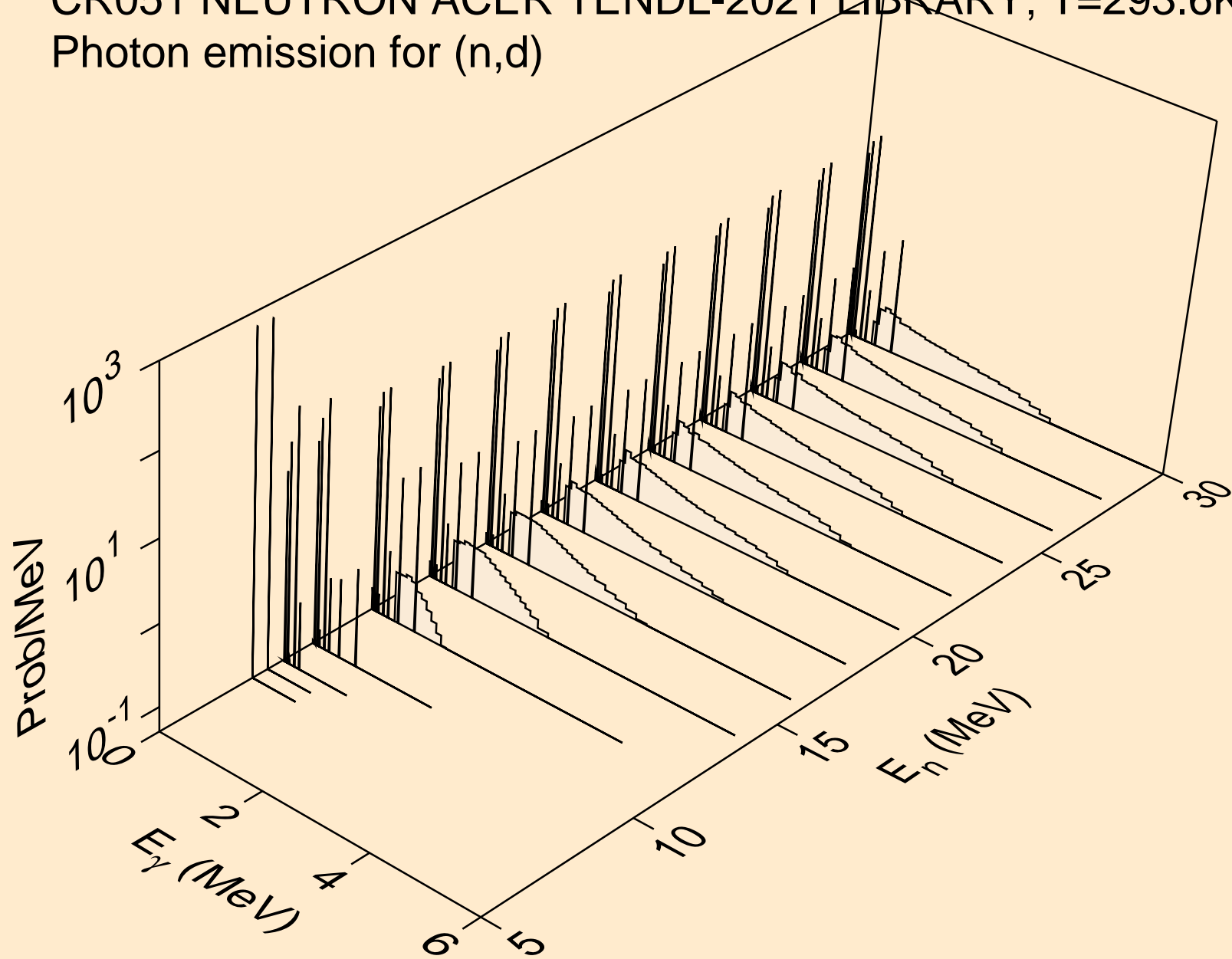
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

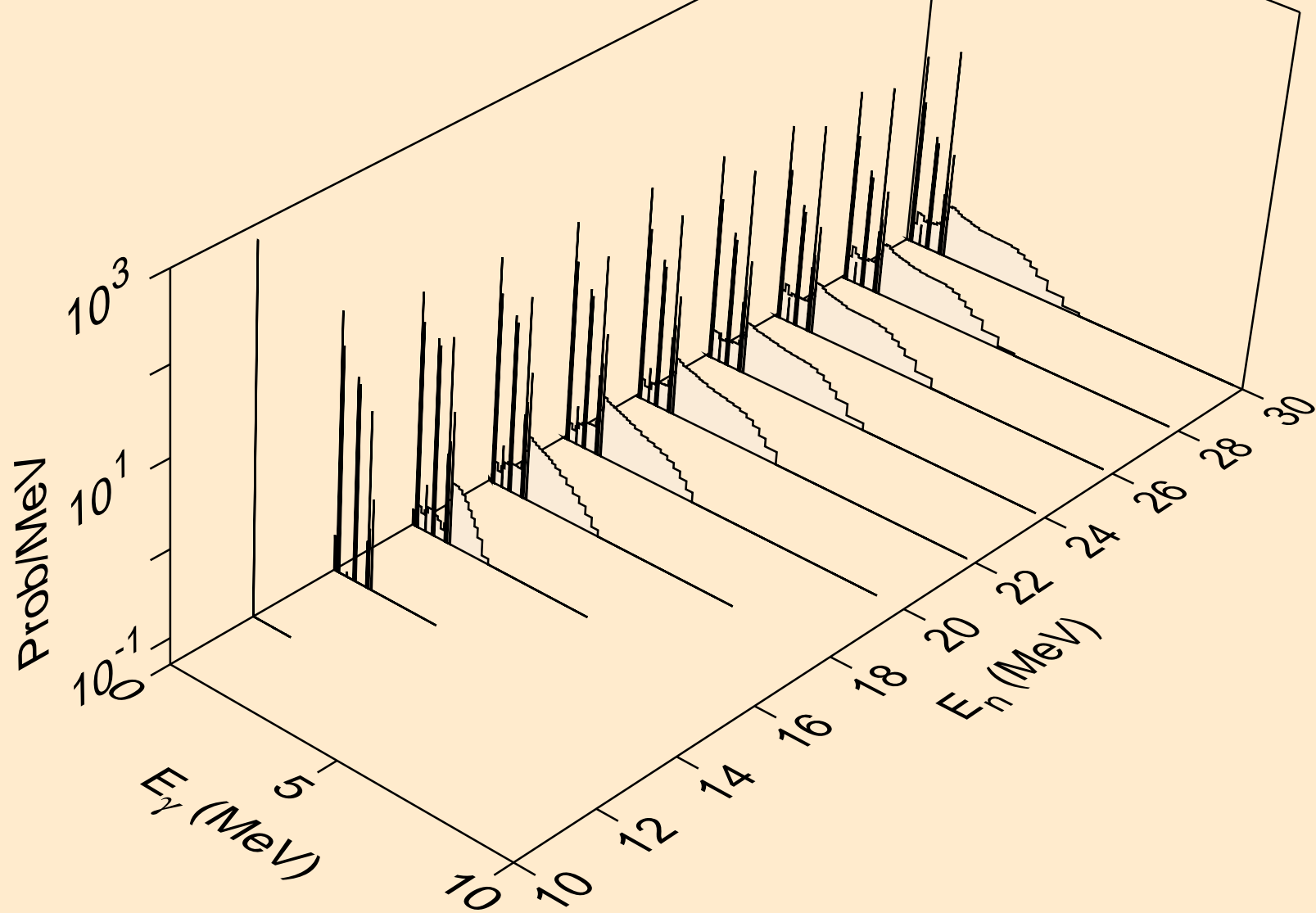


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)

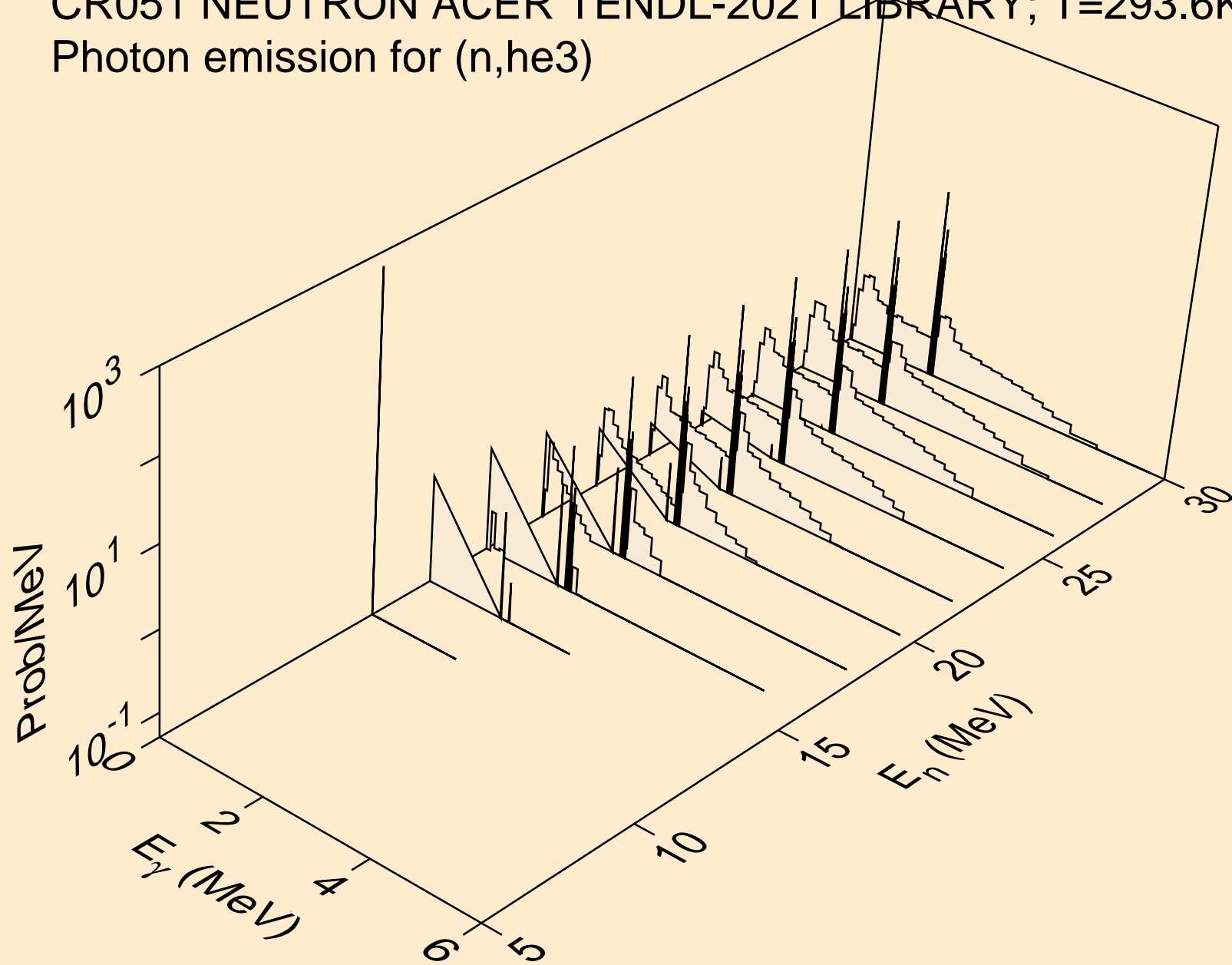




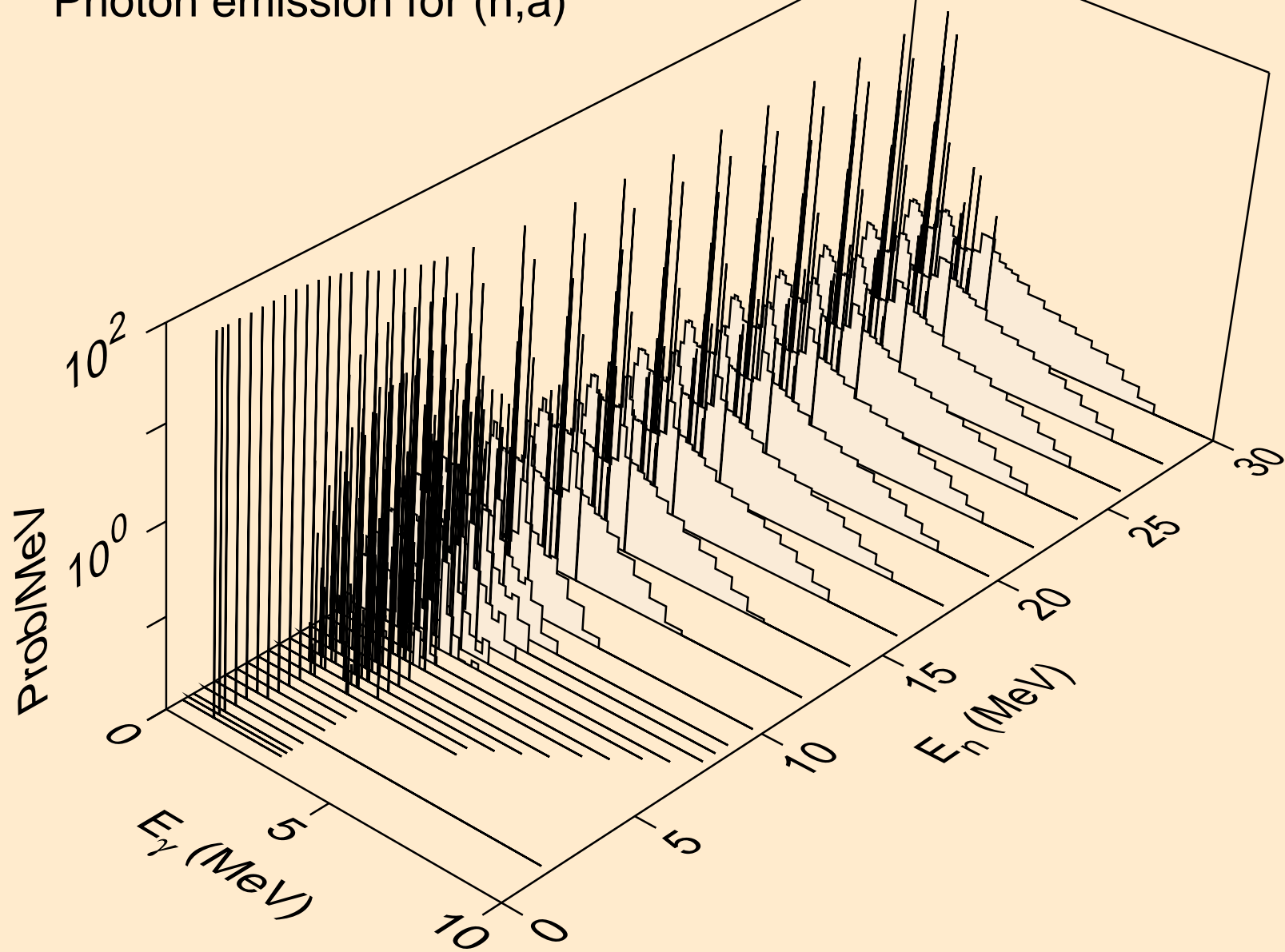
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Photon emission for (n,t)



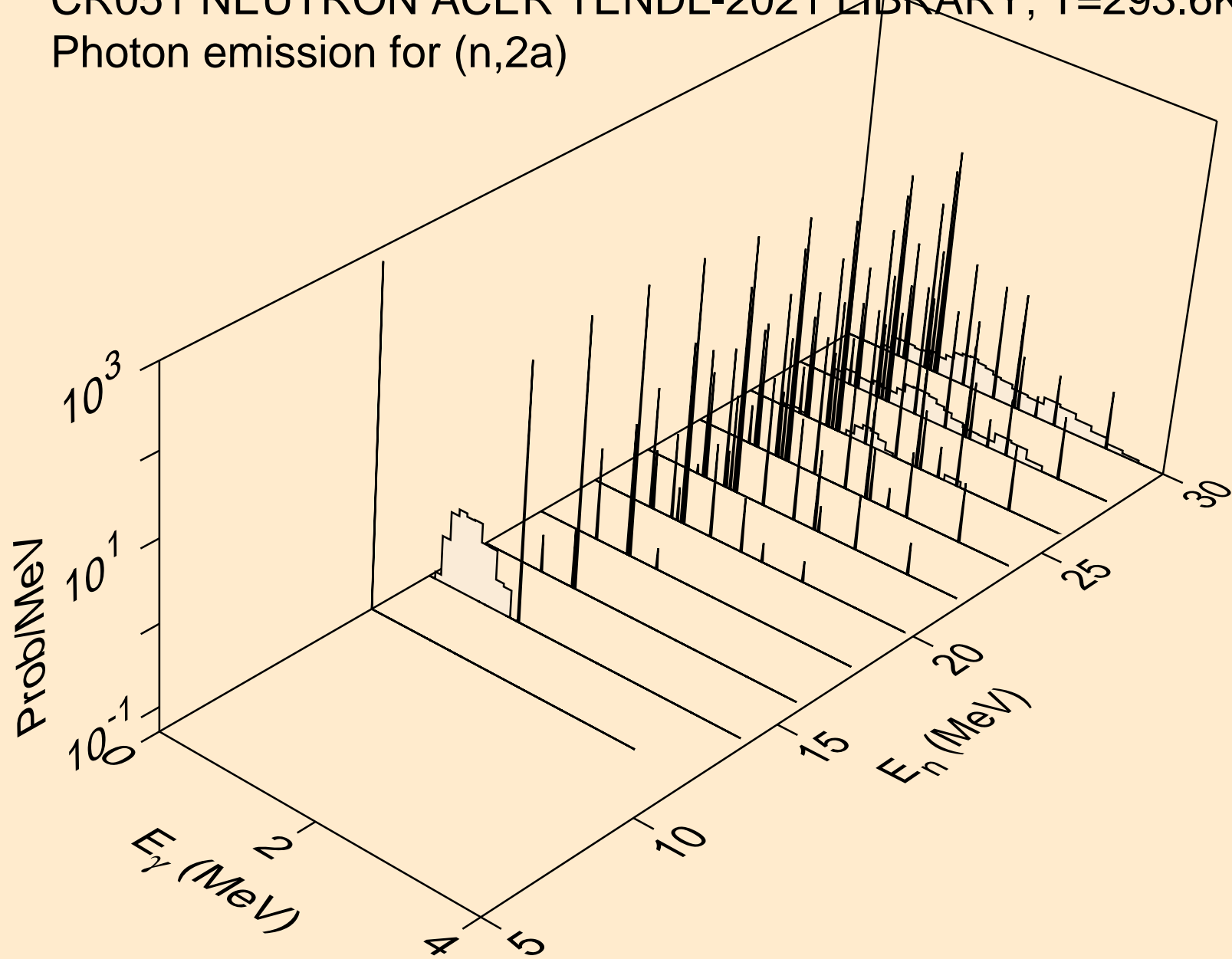
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Photon emission for (n,he3)



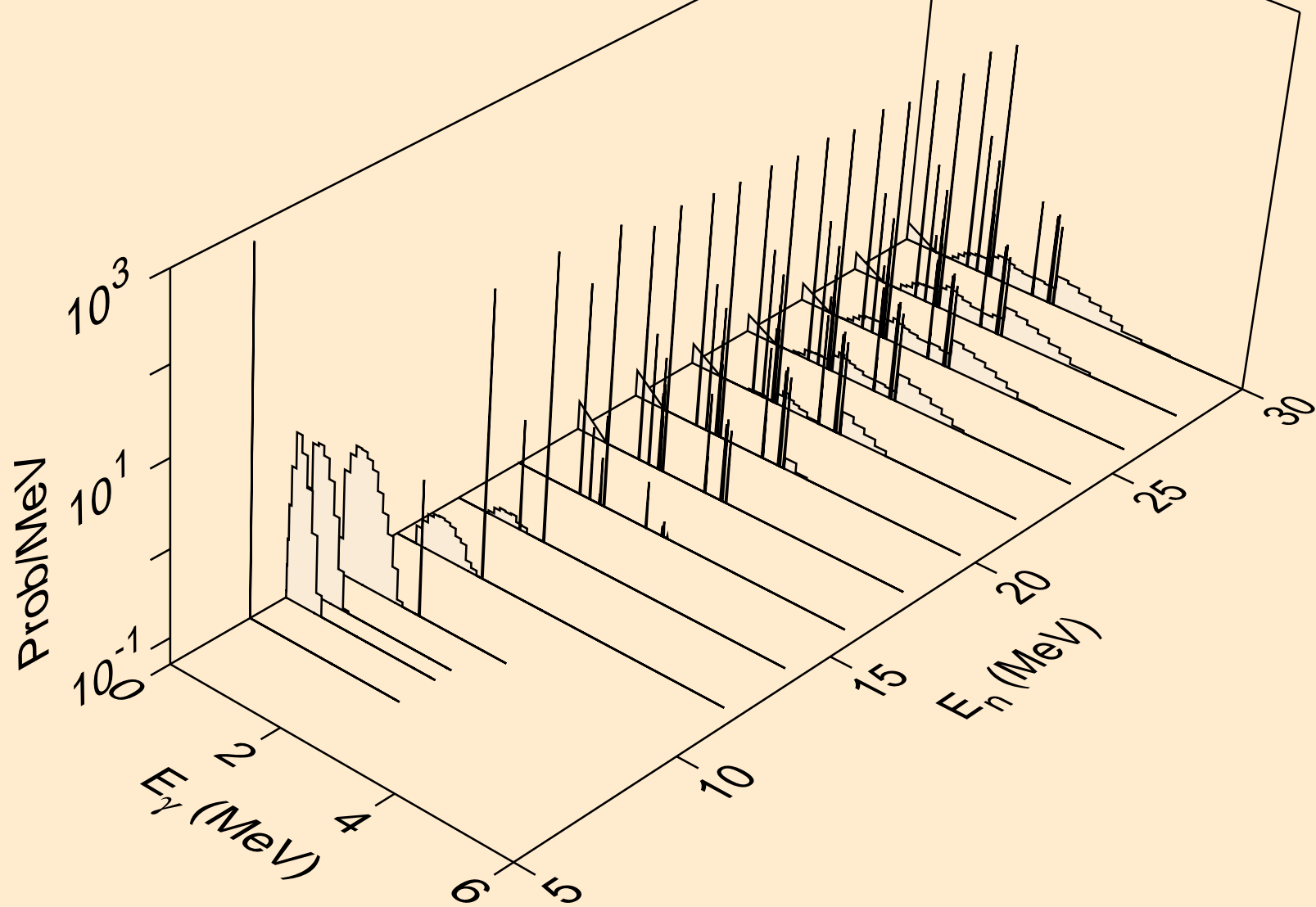
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Photon emission for (n,a)



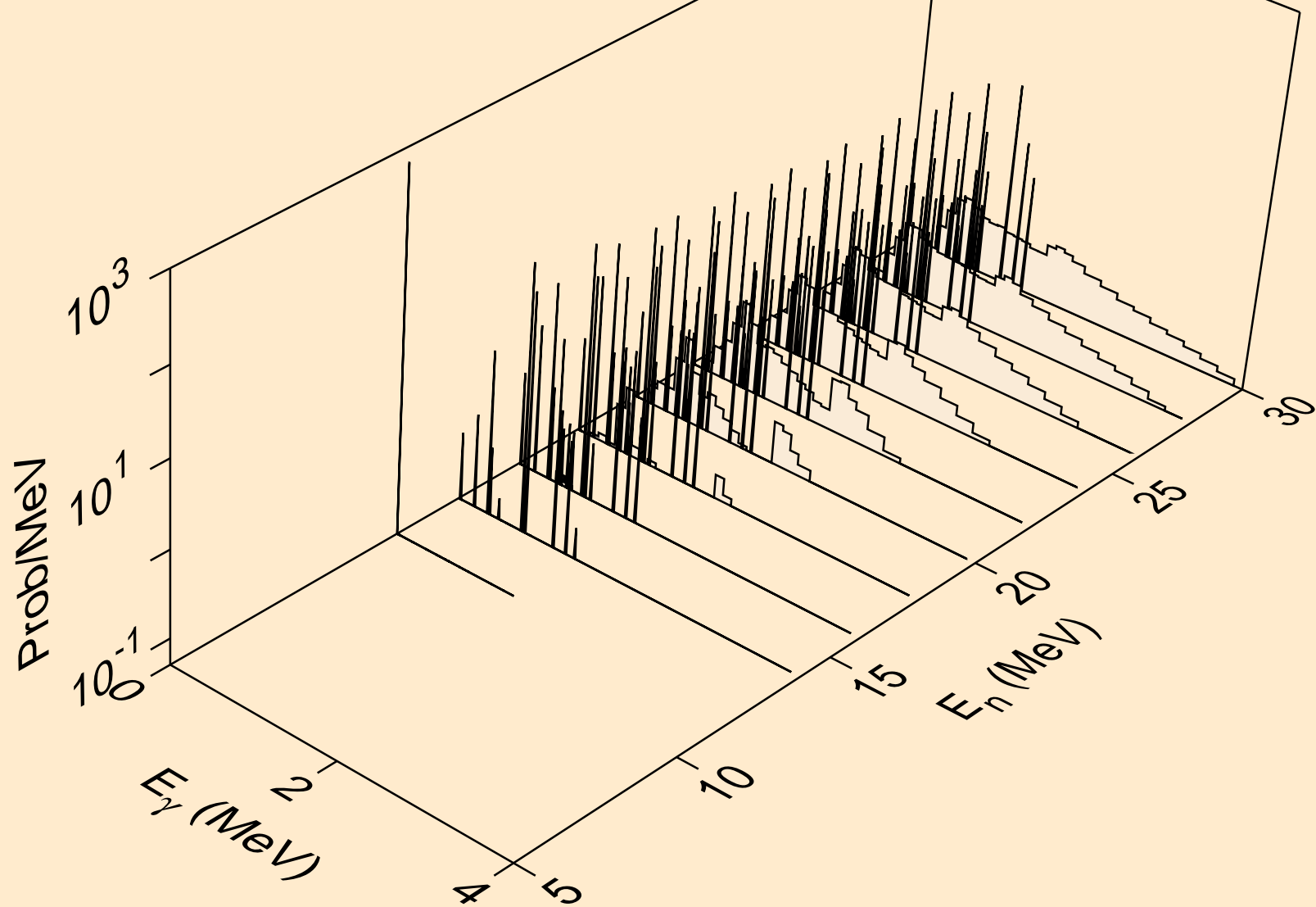
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Photon emission for (n,2a)



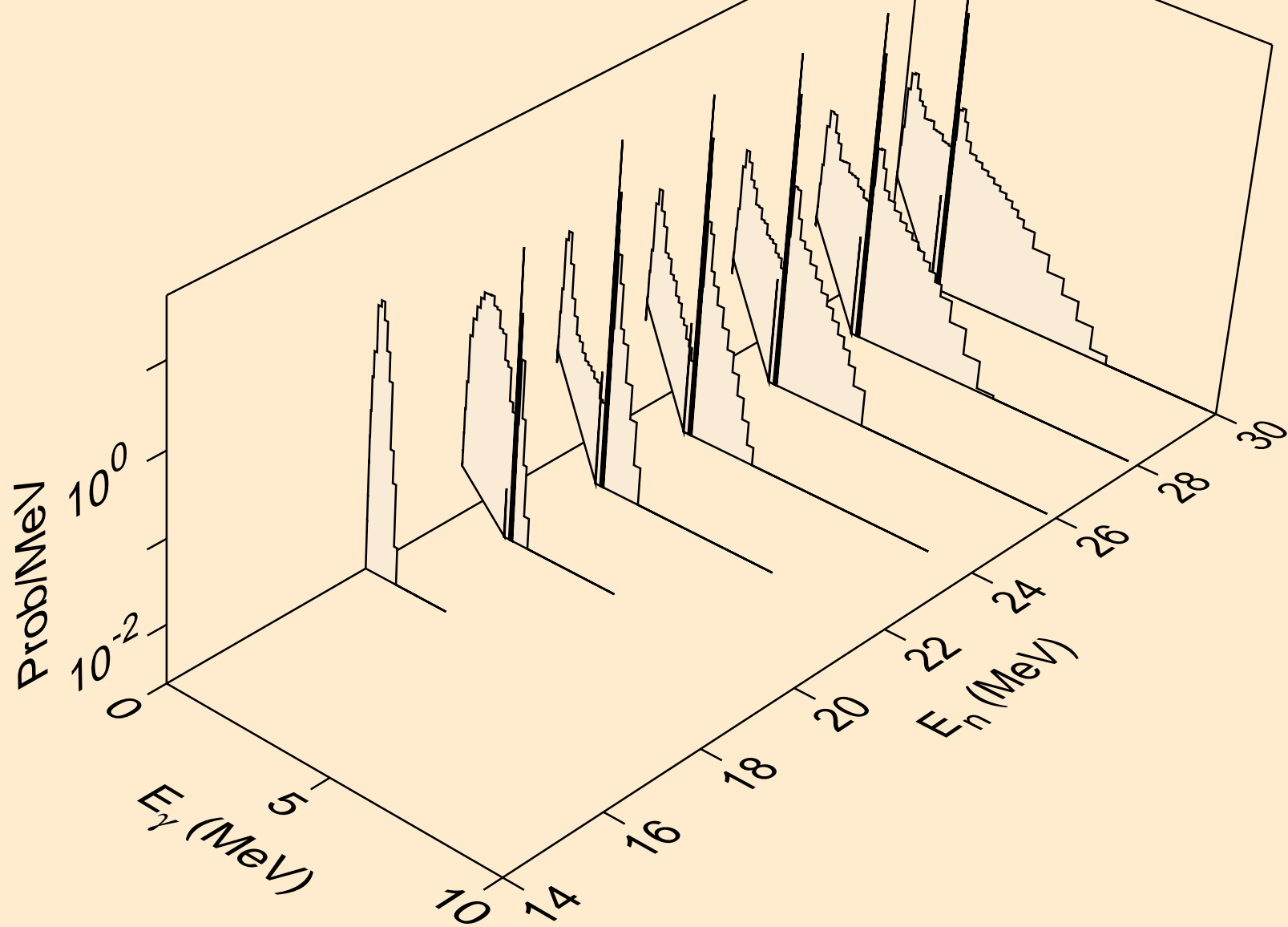
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Photon emission for (n,2p)



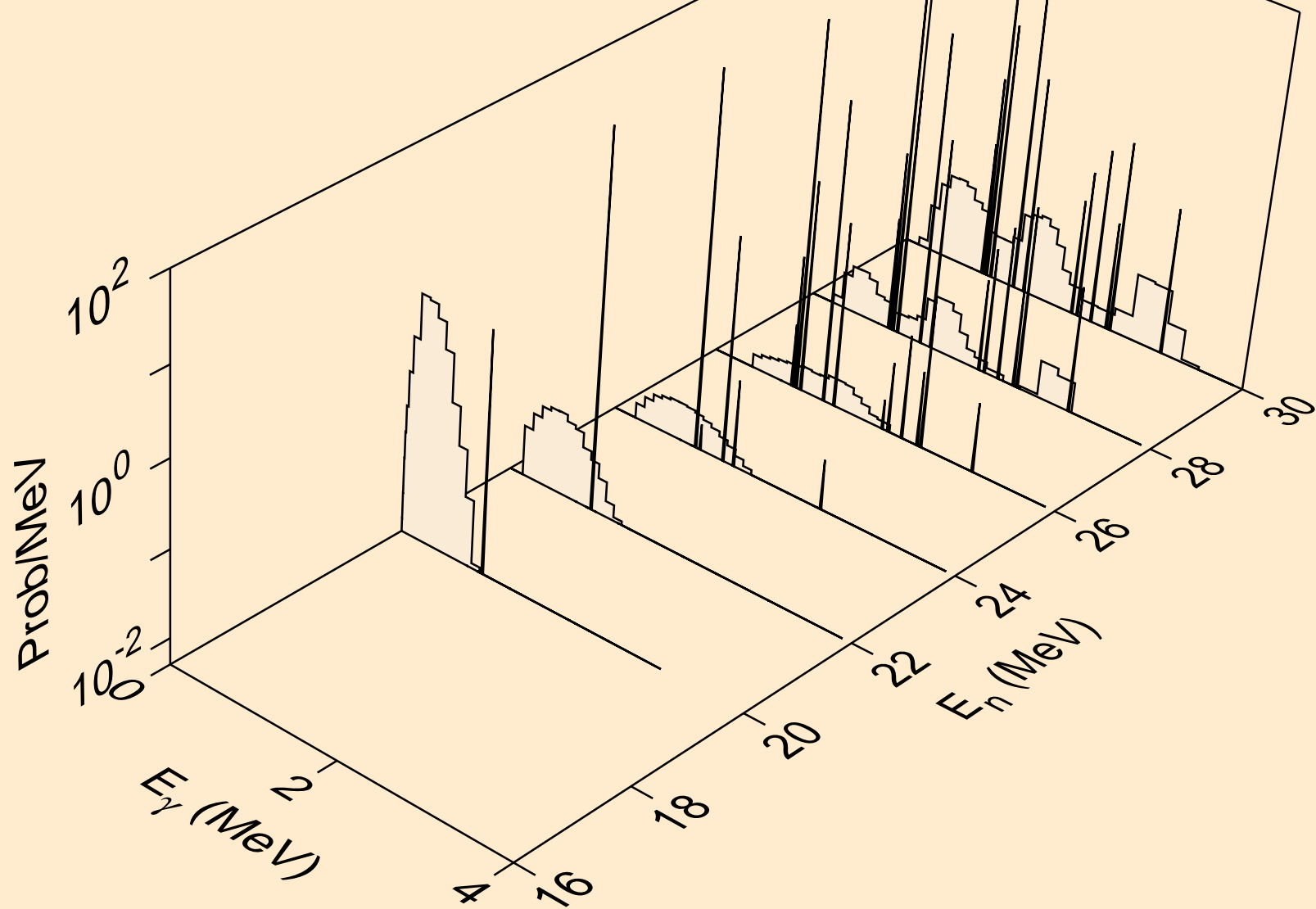
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

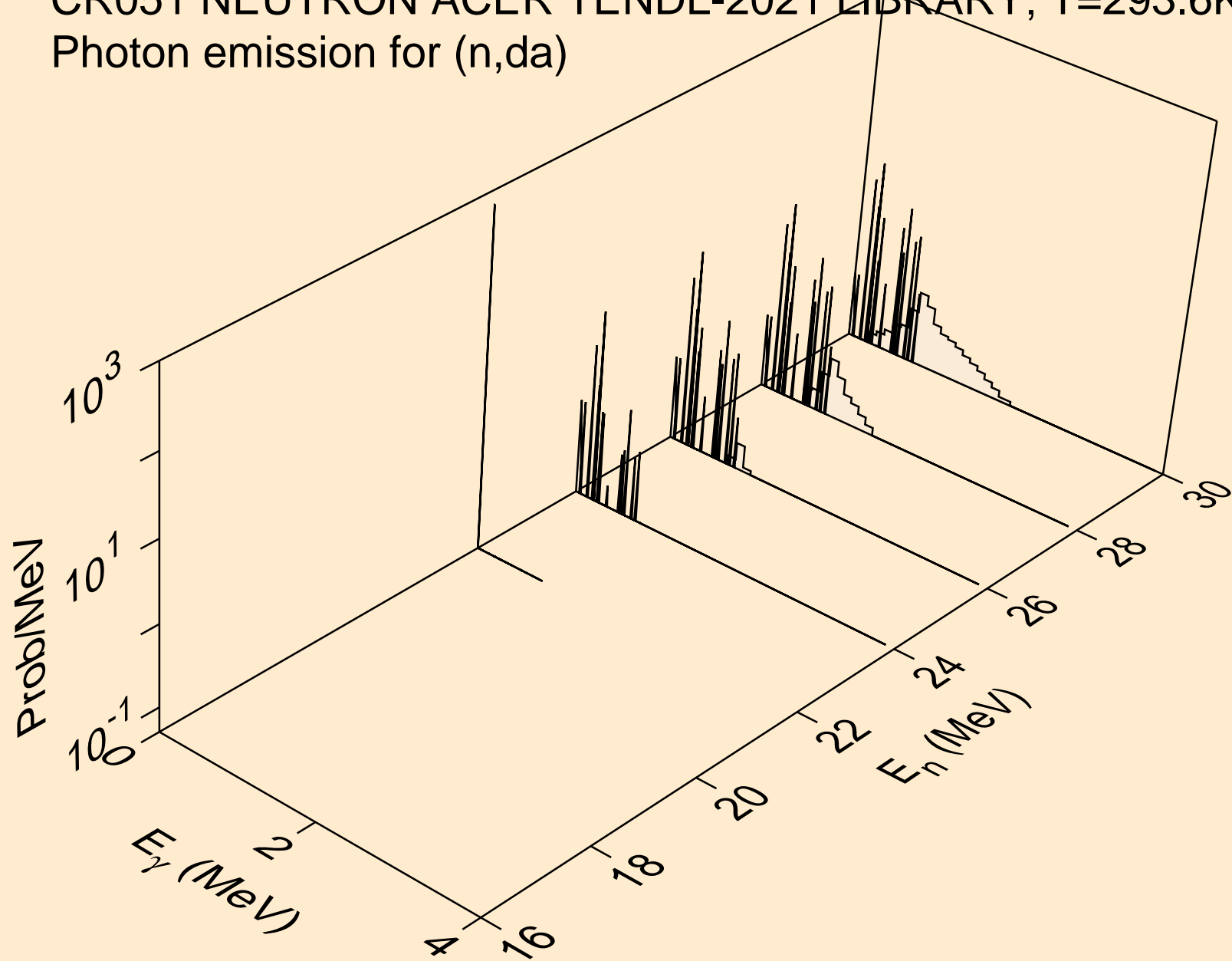


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

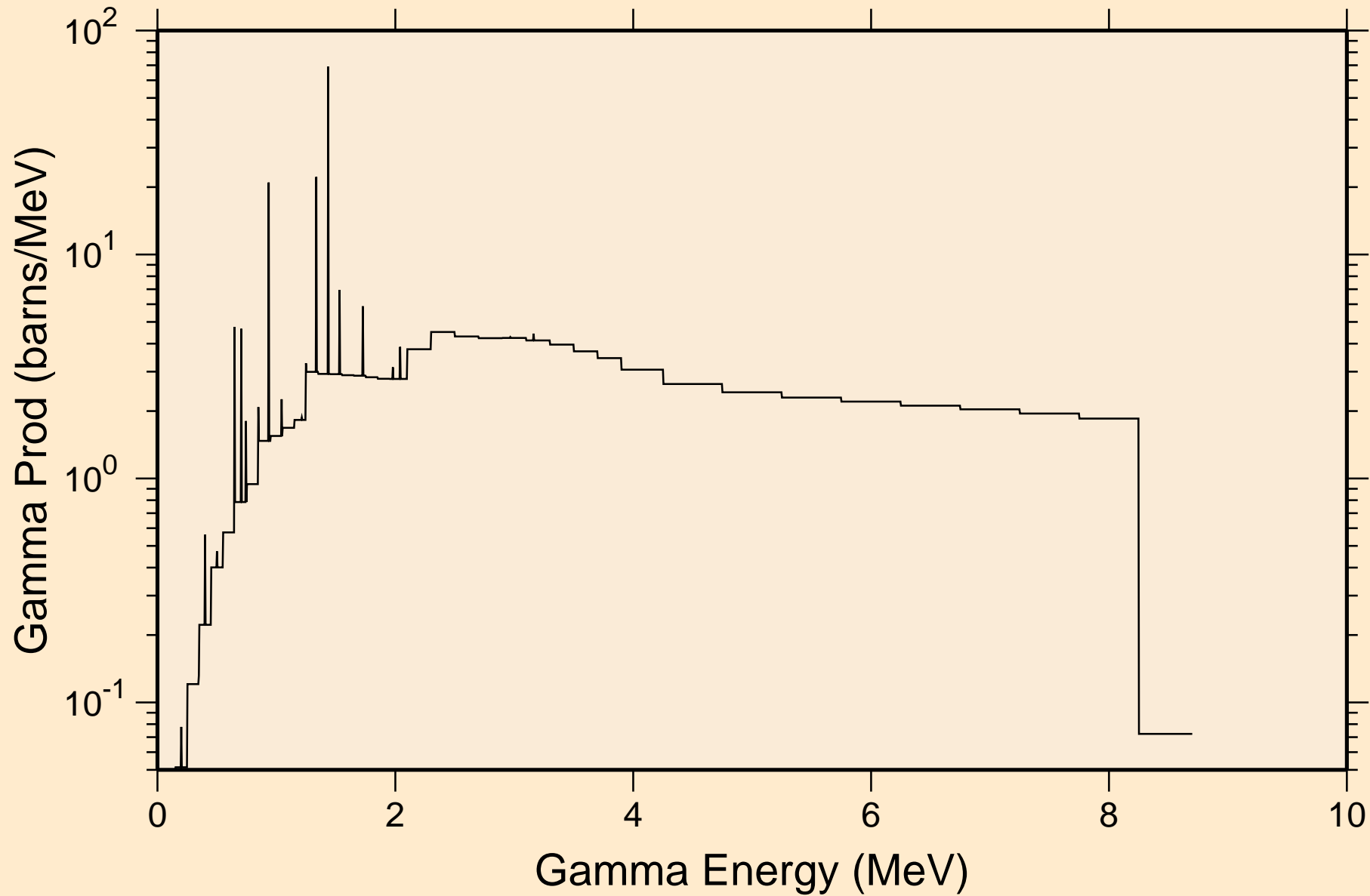




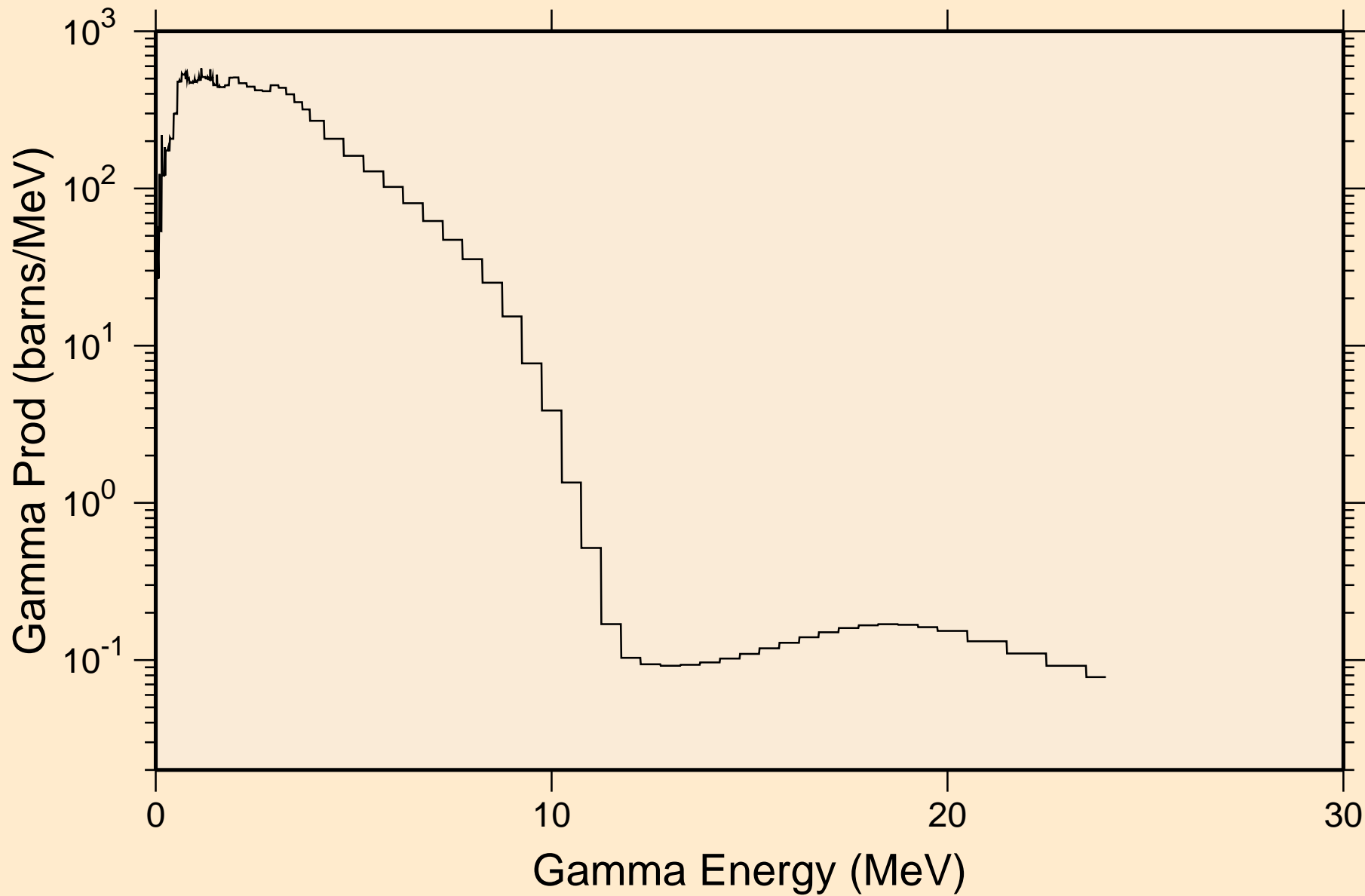
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



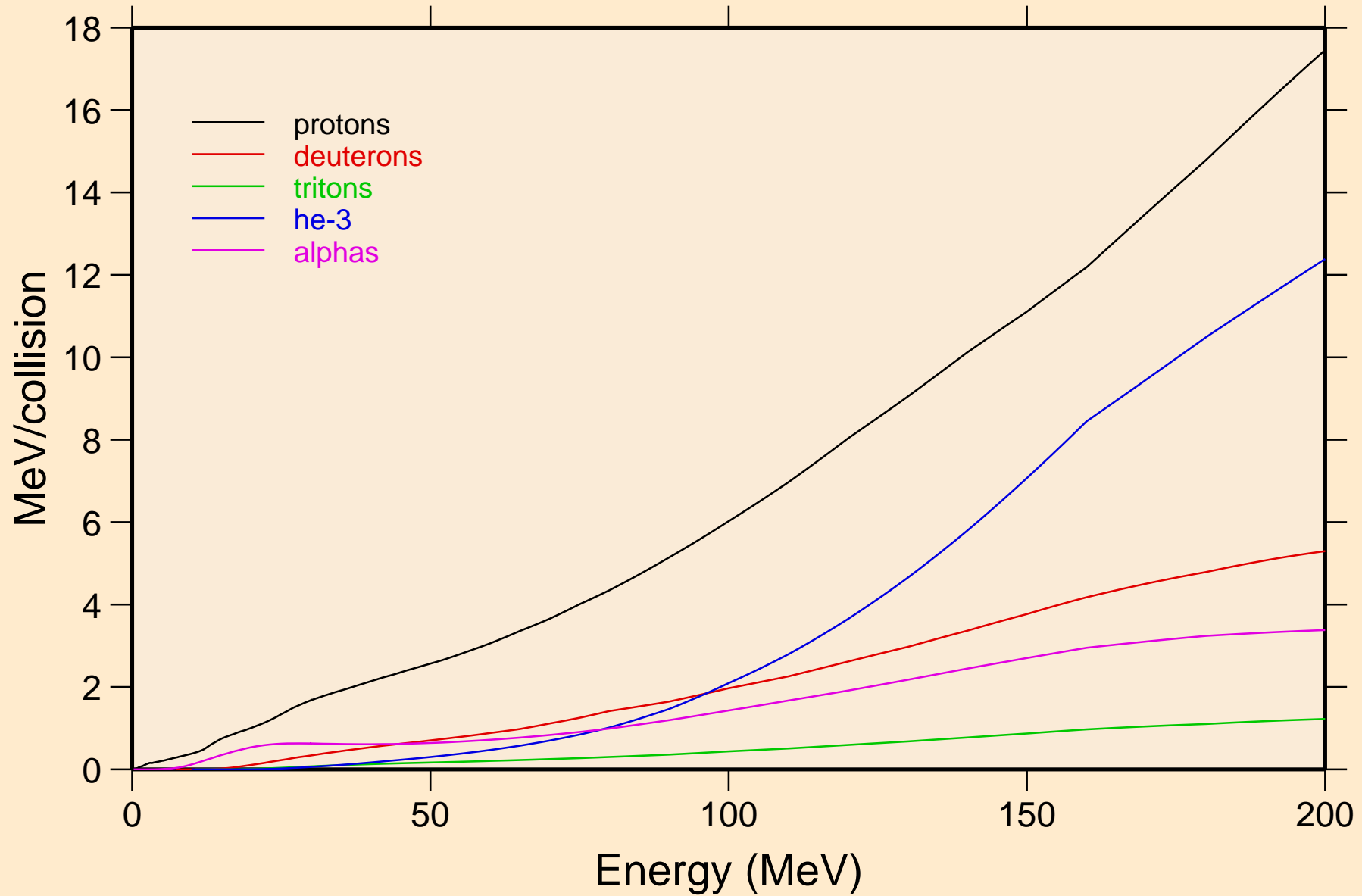
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



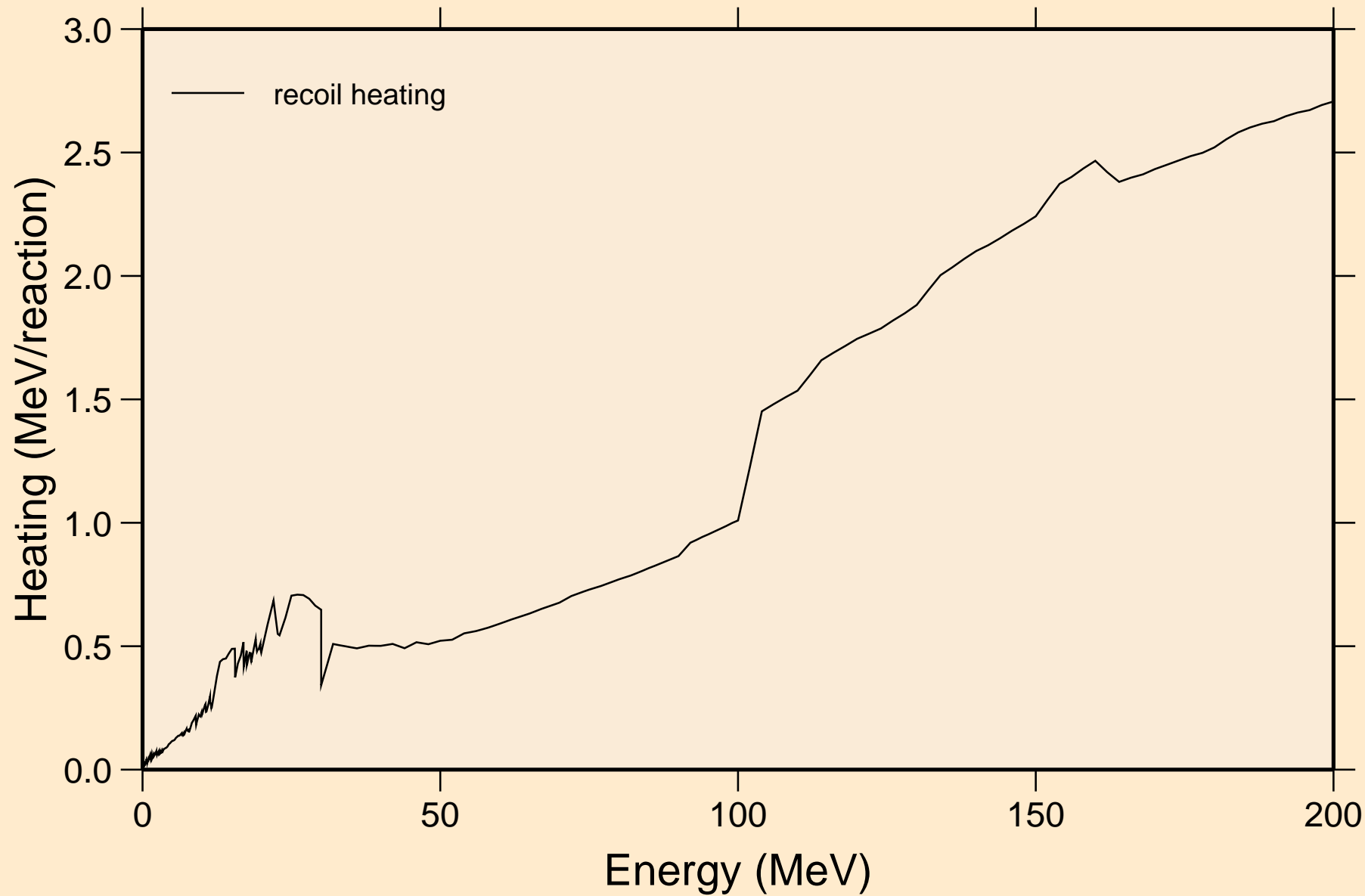
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14 MeV photon spectrum



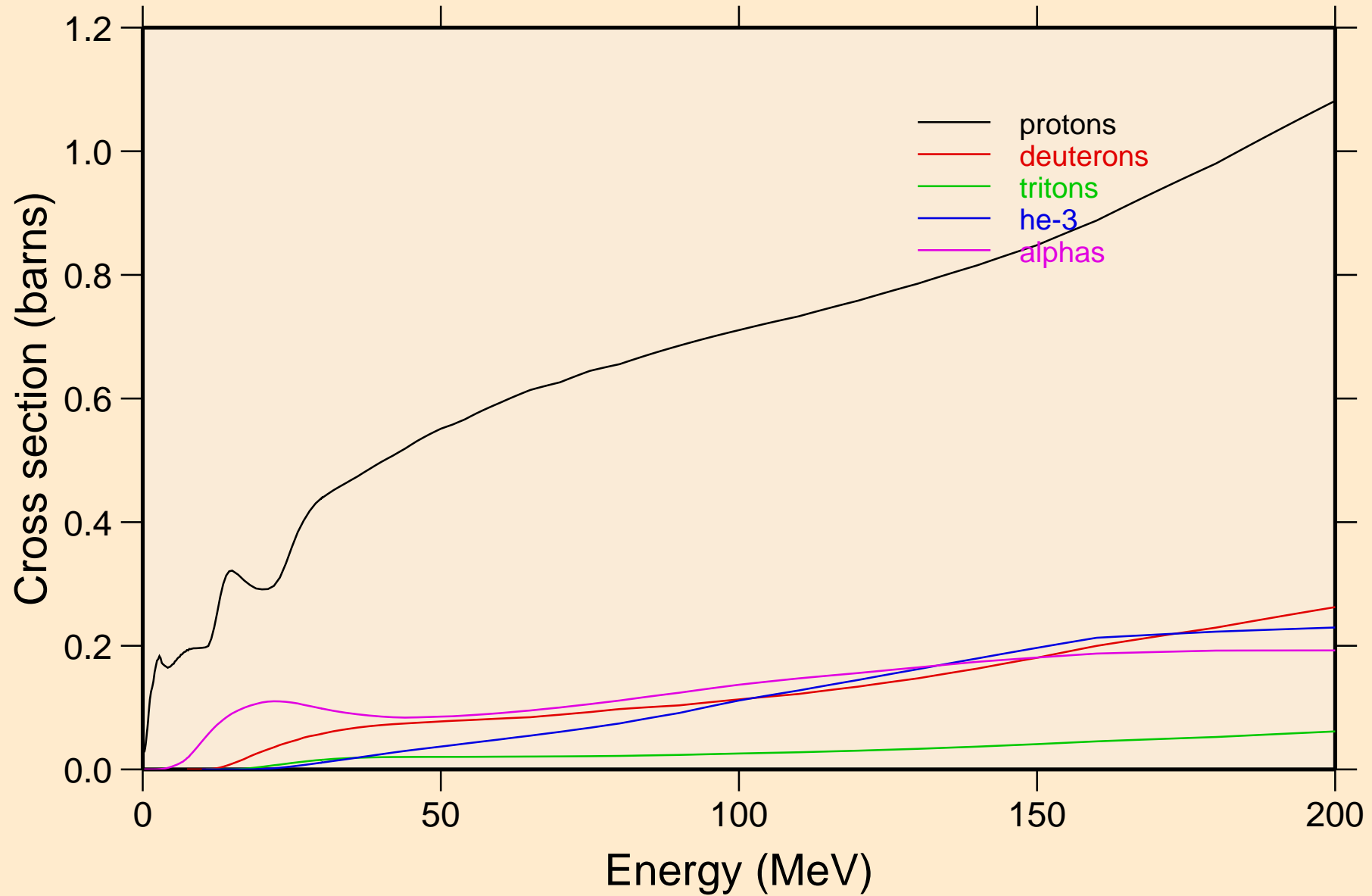
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Particle heating contributions



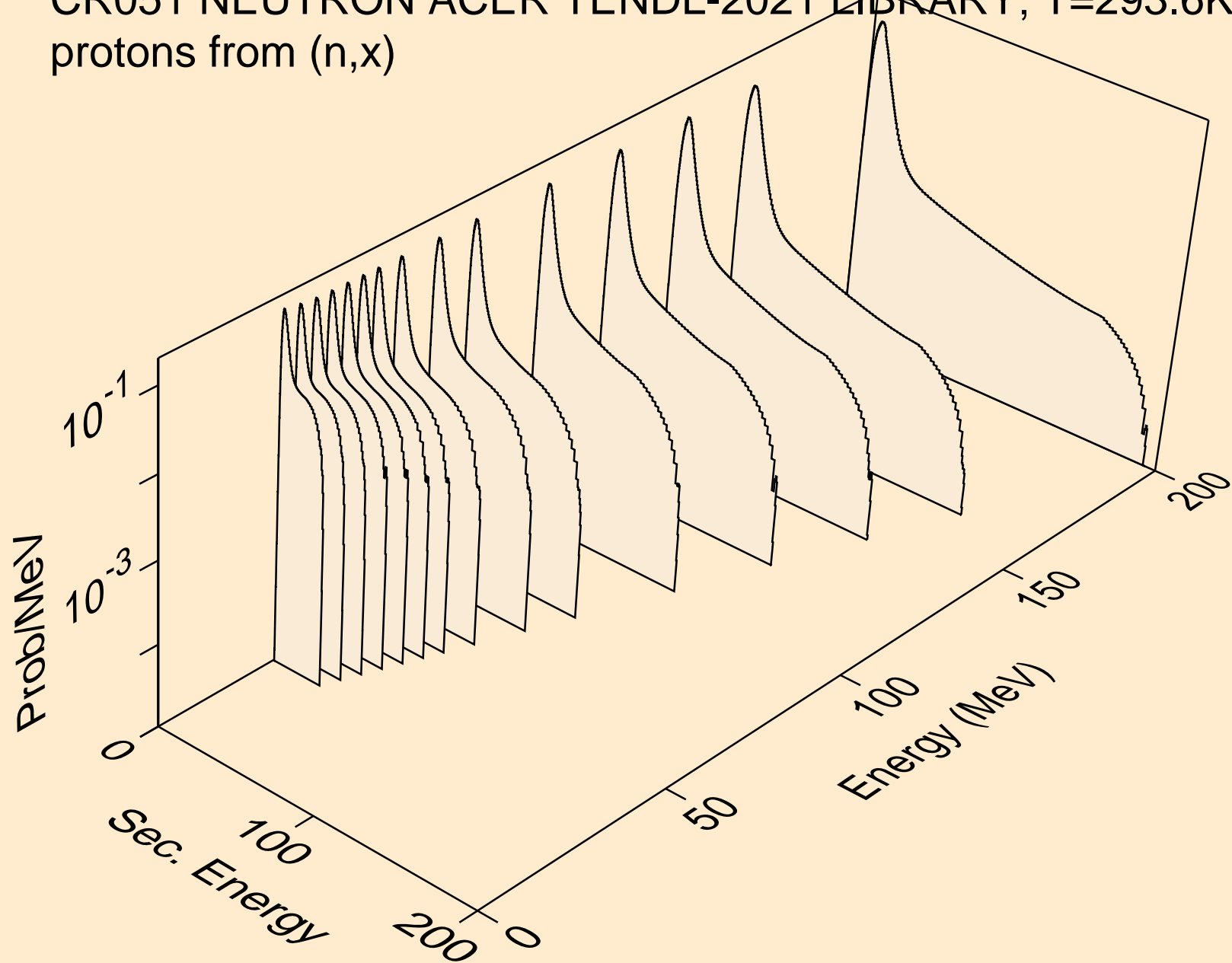
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Recoil Heating



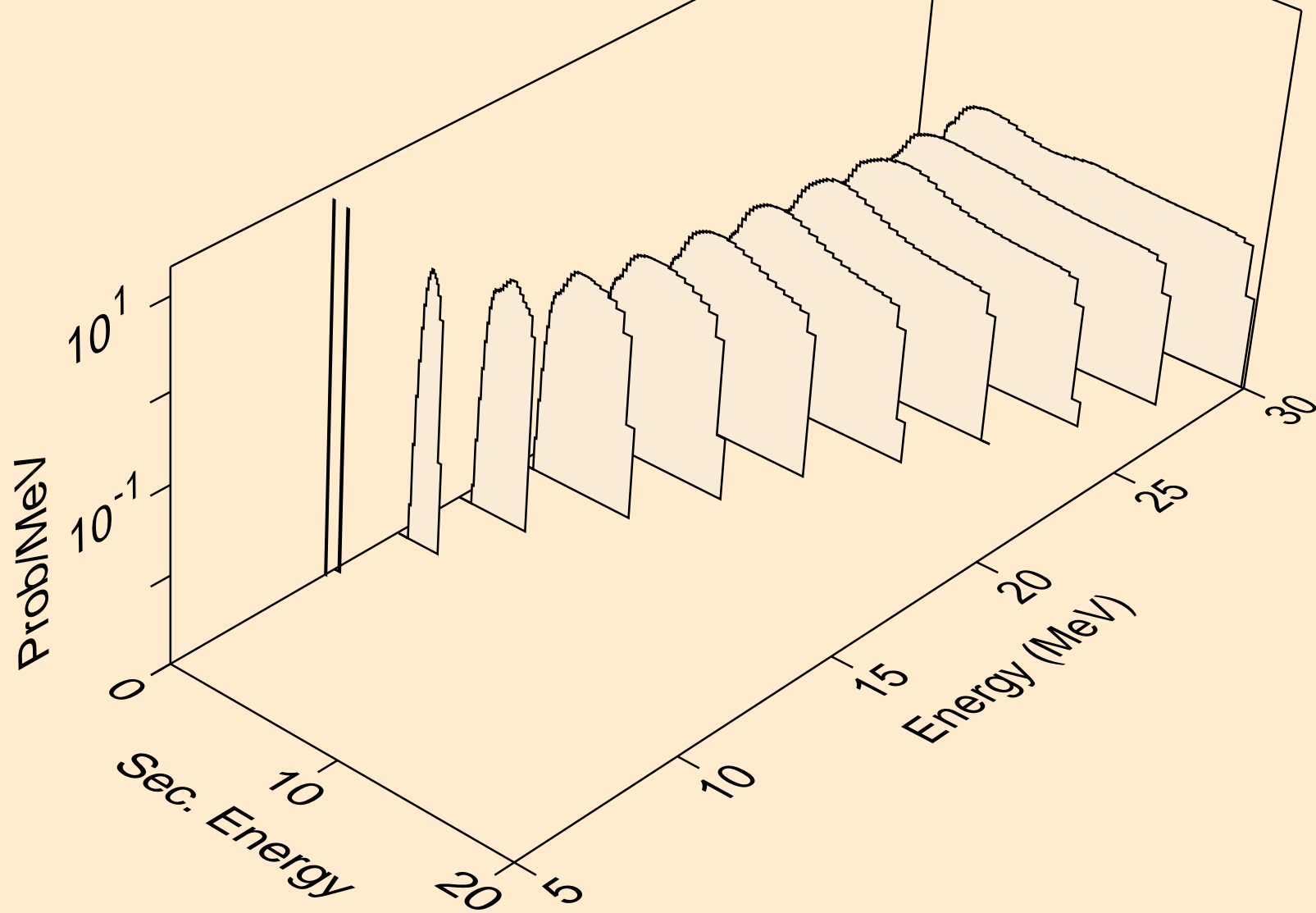
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

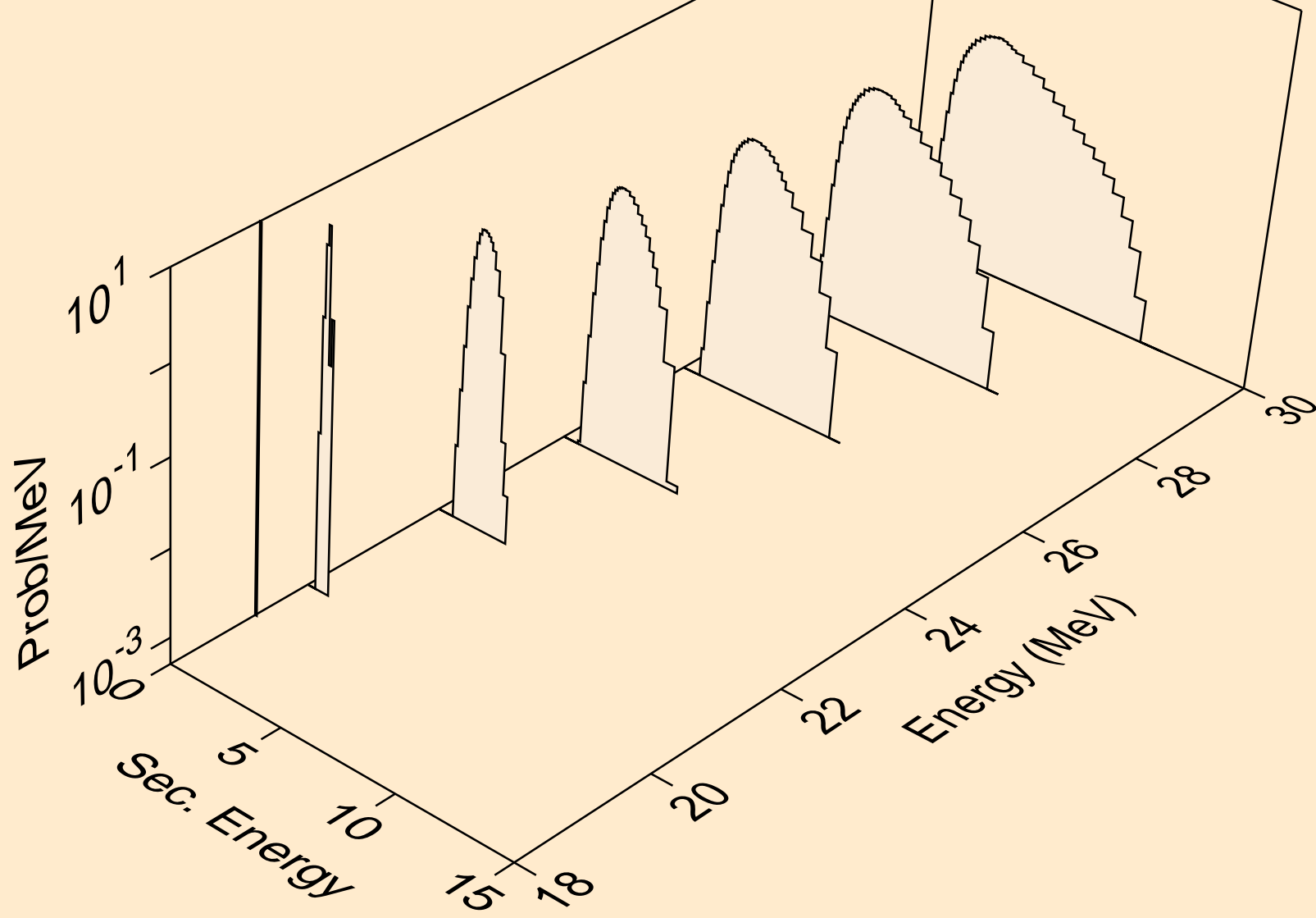


CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

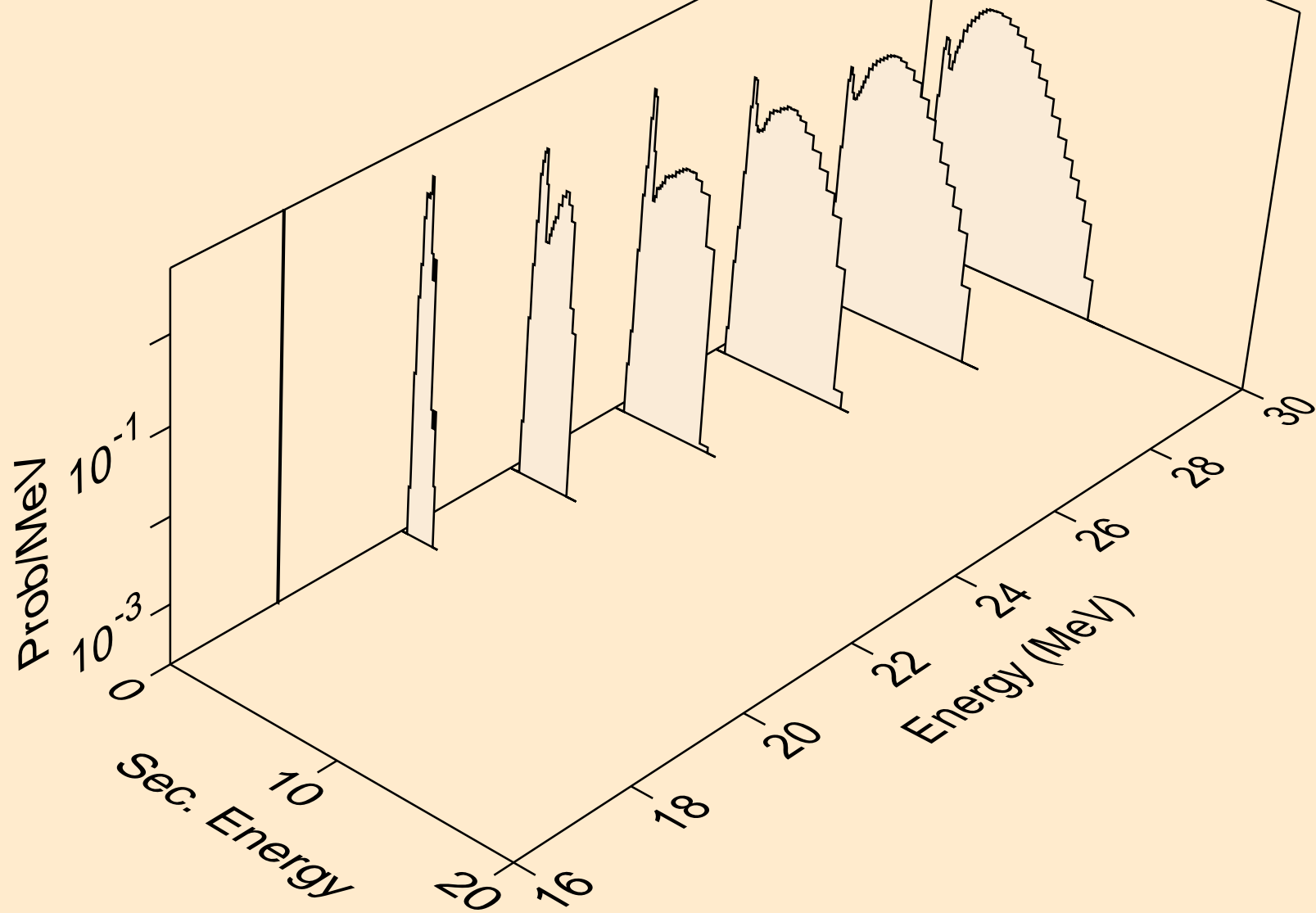




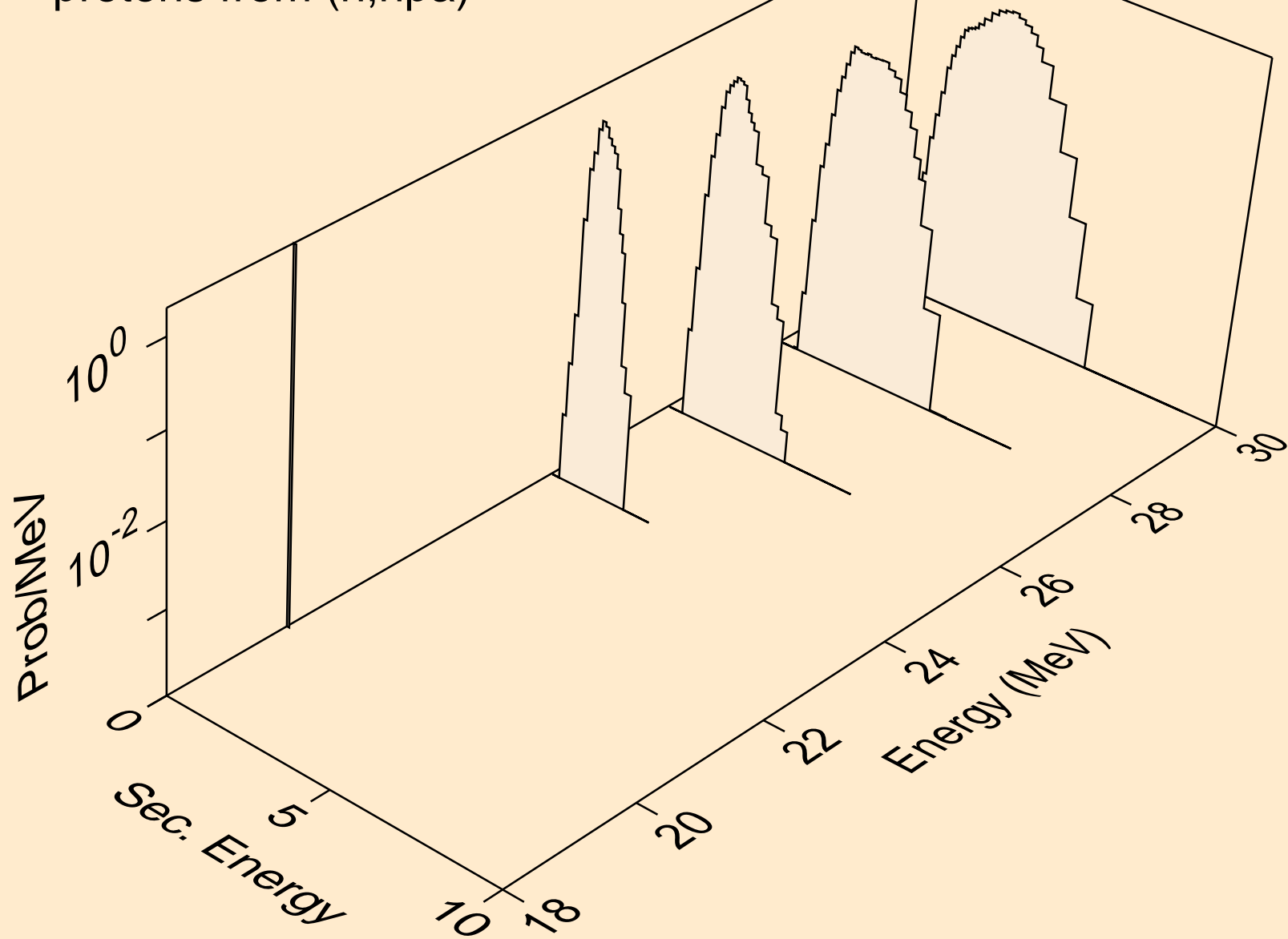
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



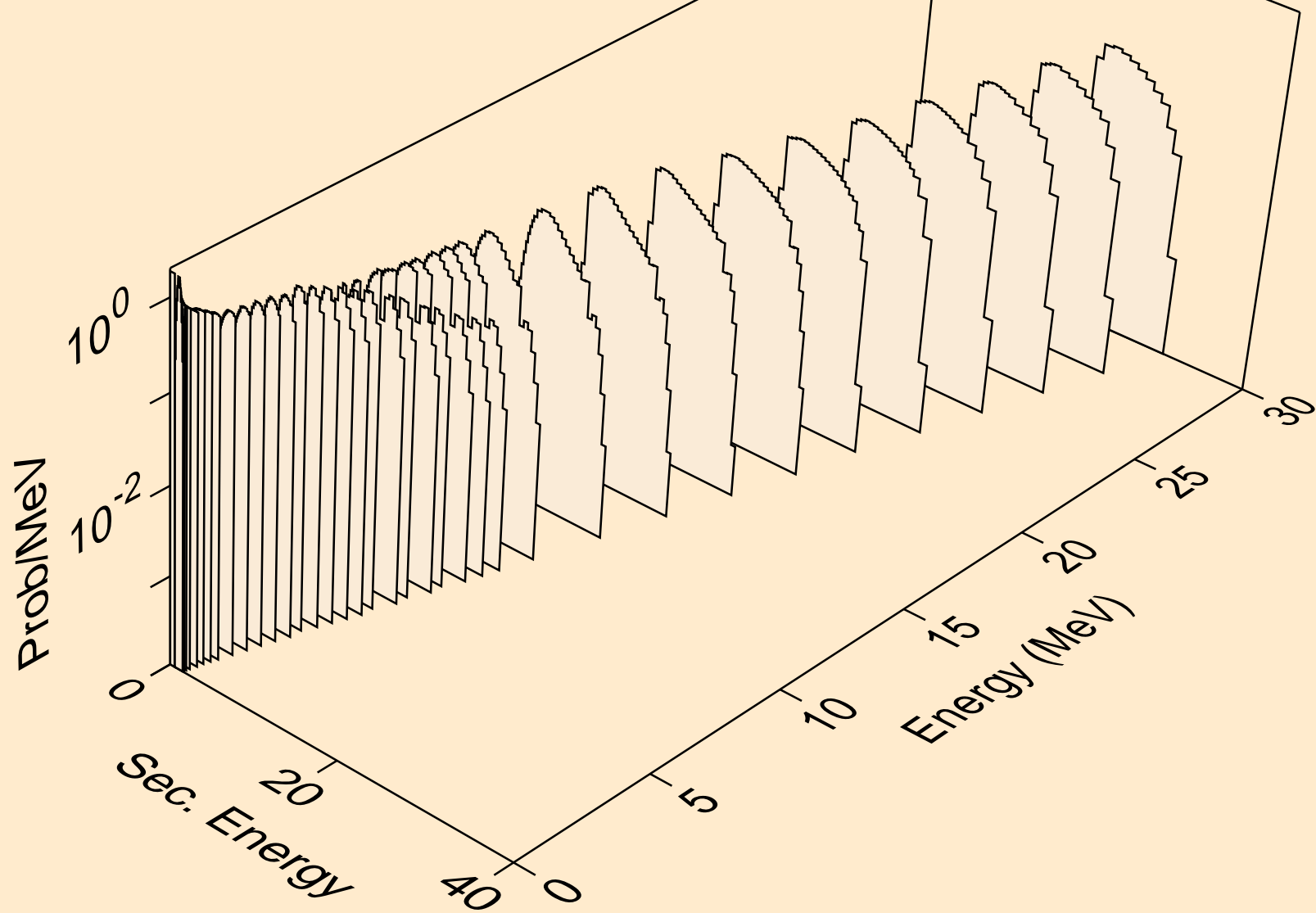
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protons from (n,2np)



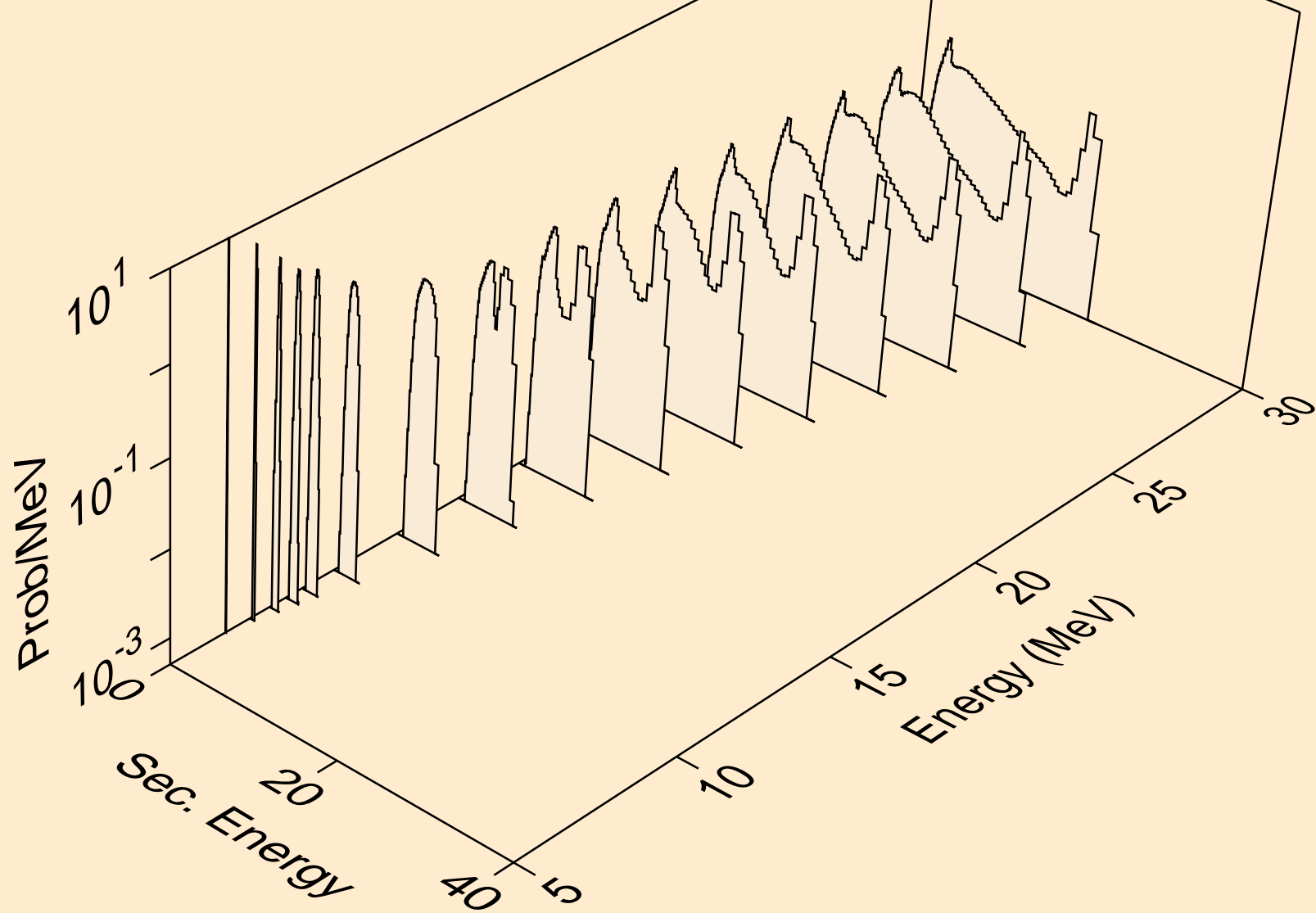
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protons from (n,npa)



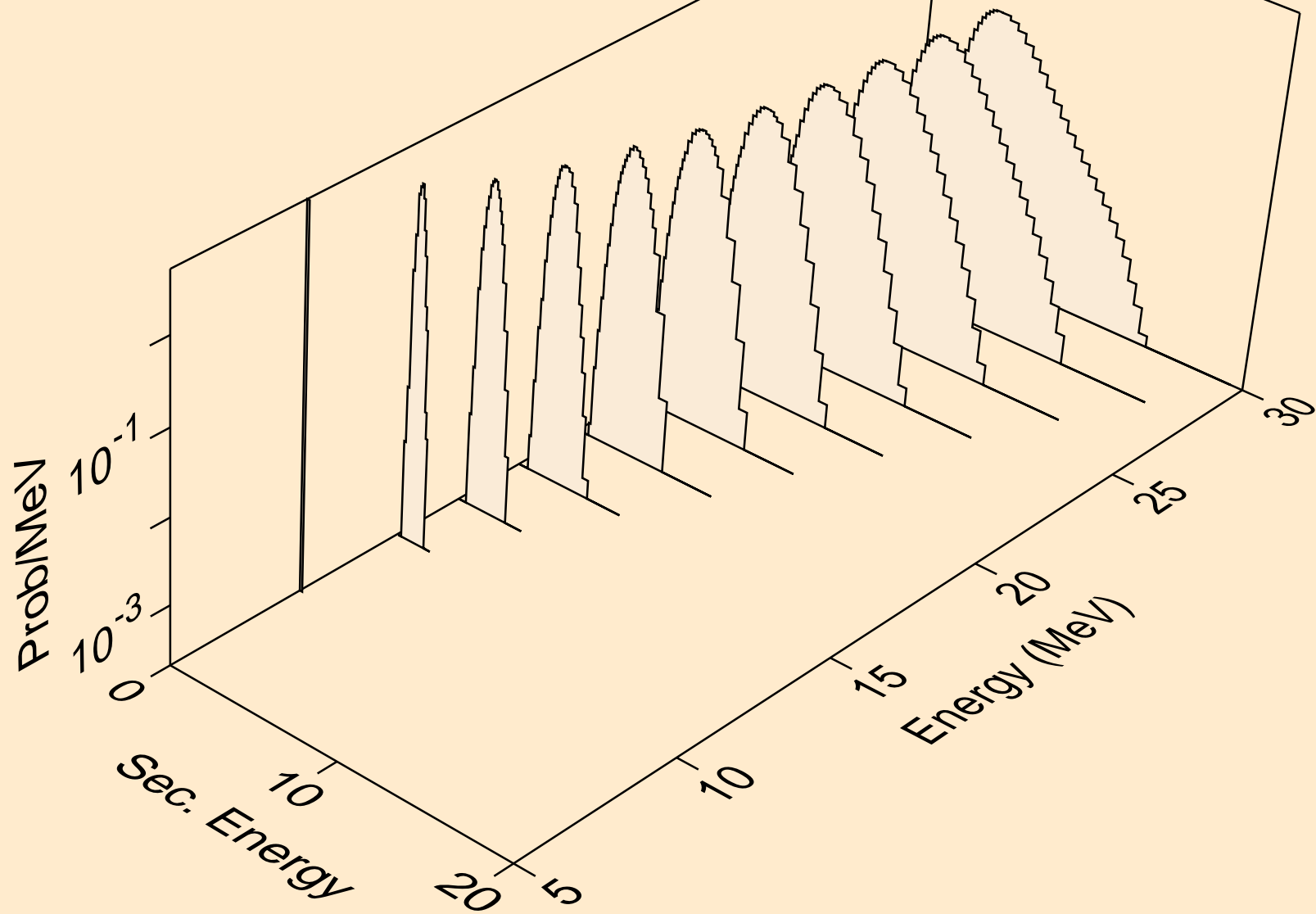
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protons from (n,p)



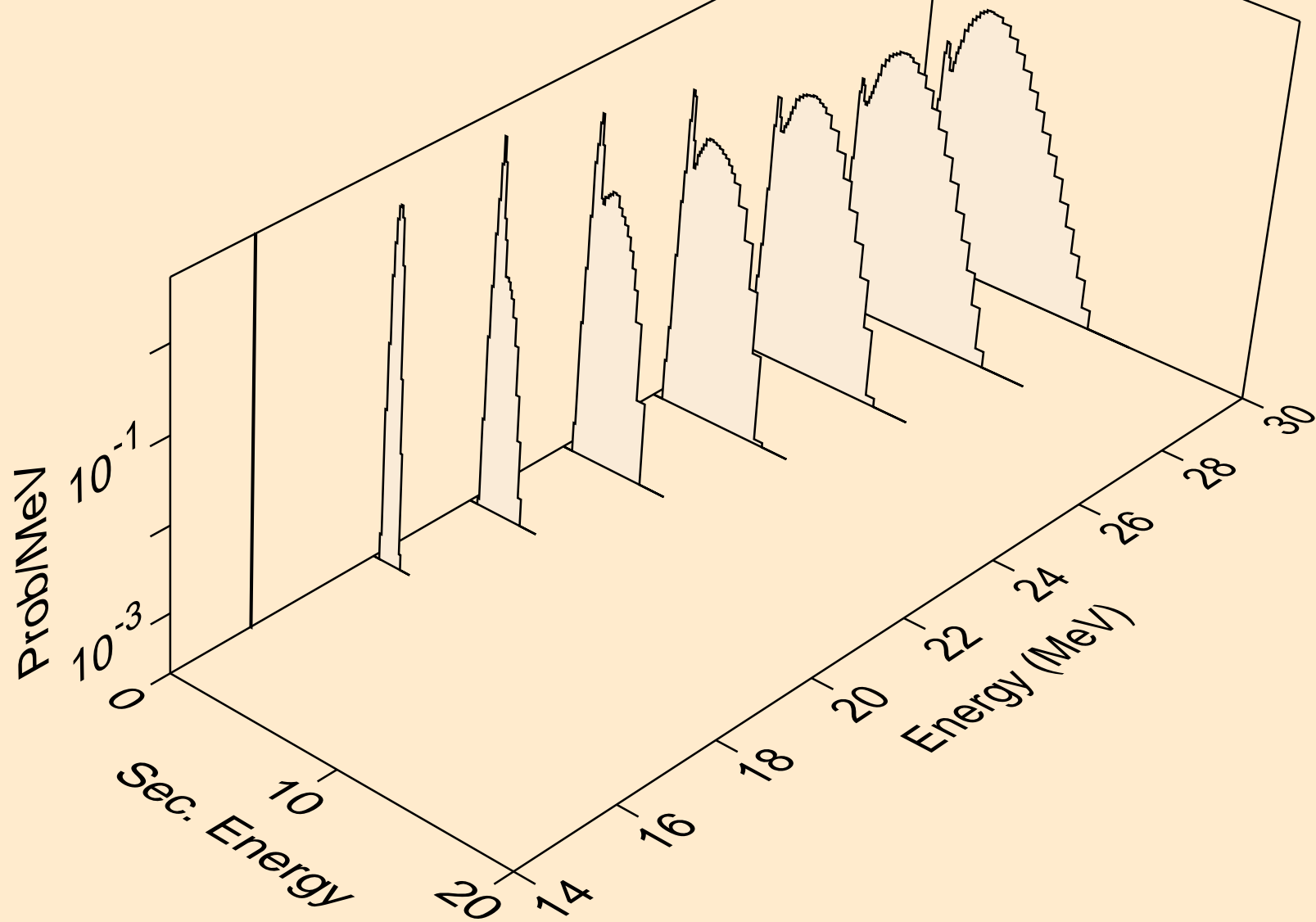
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protons from (n,2p)



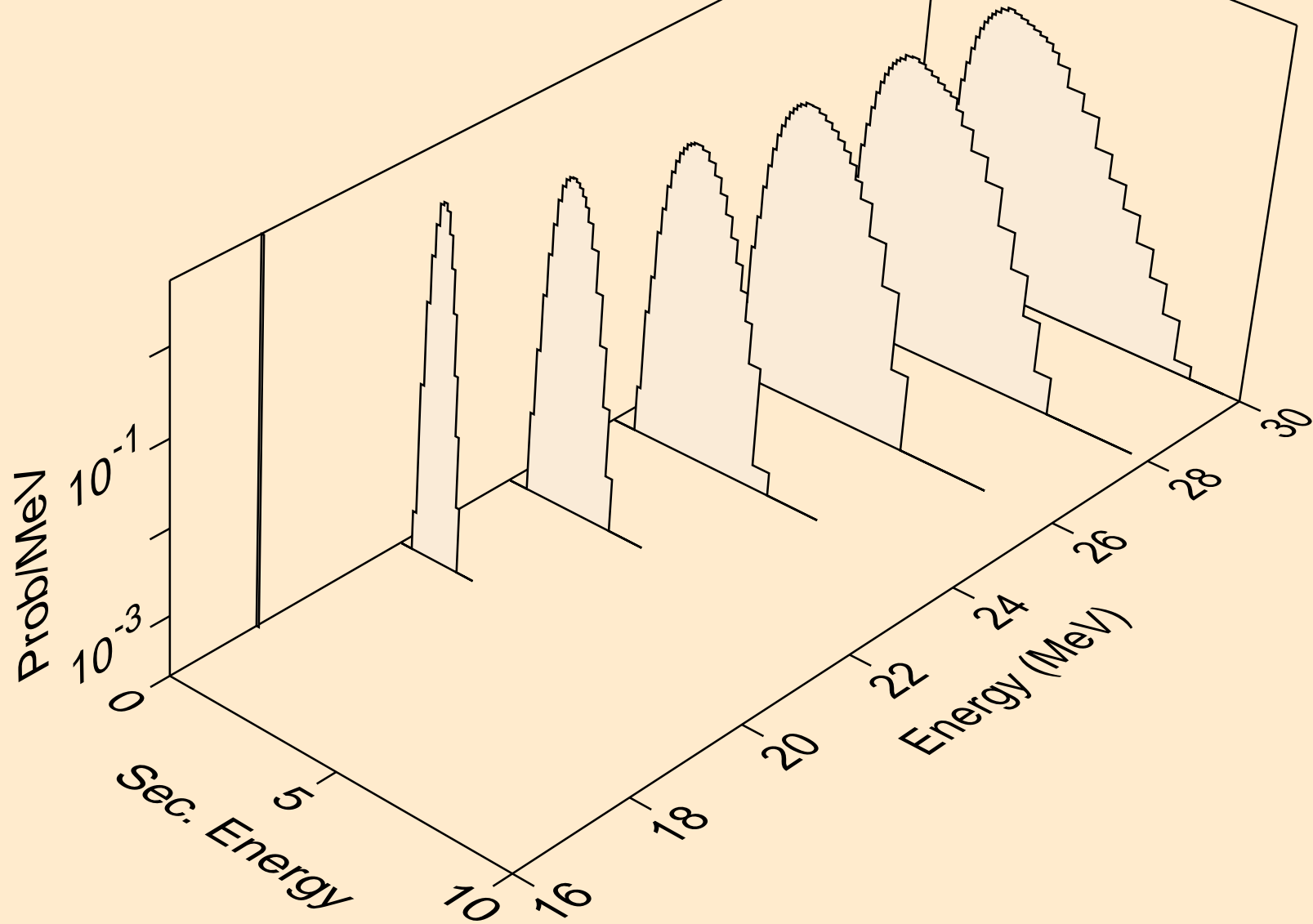
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protons from (n,p)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

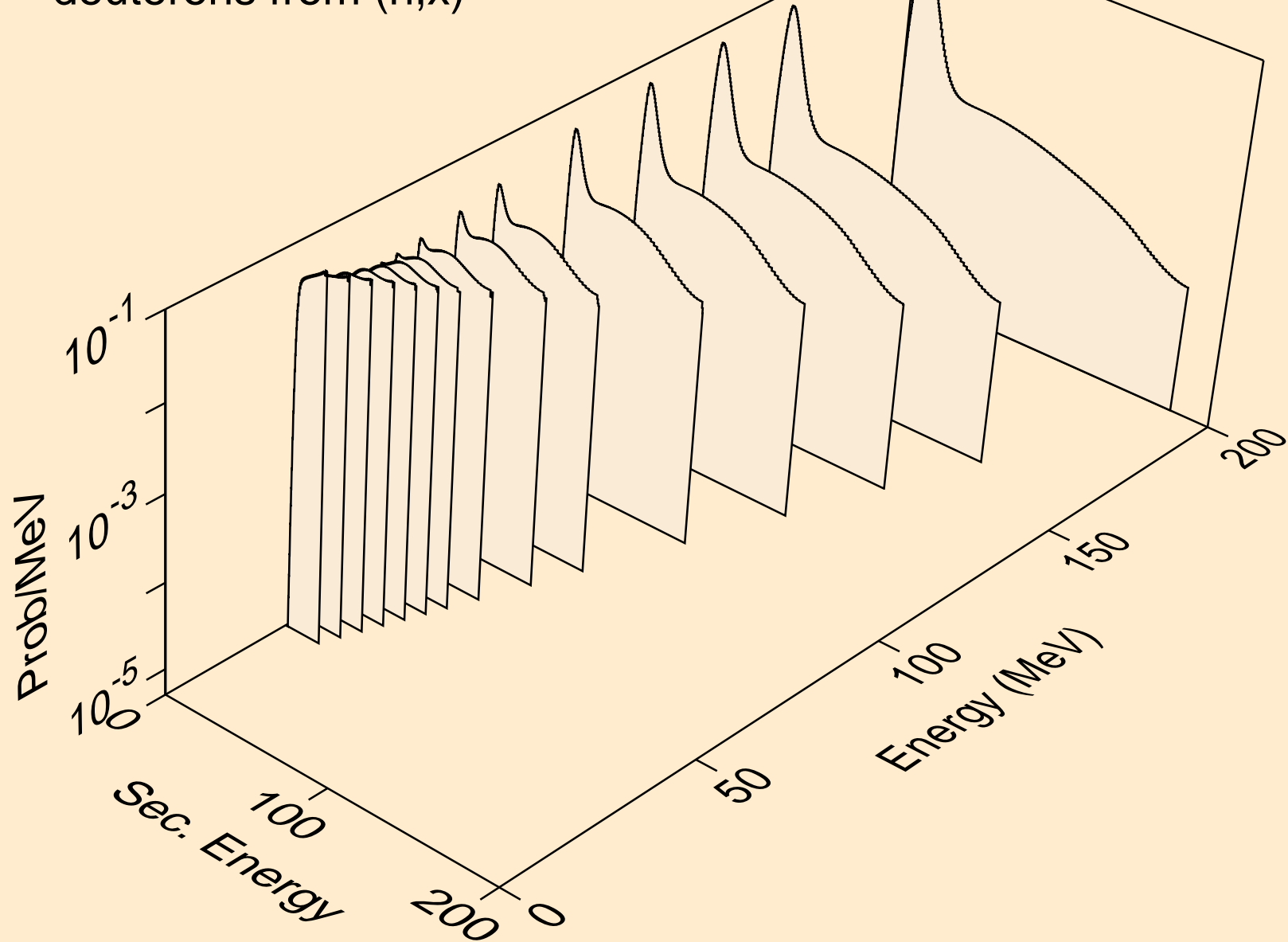


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protons from (n,pt)

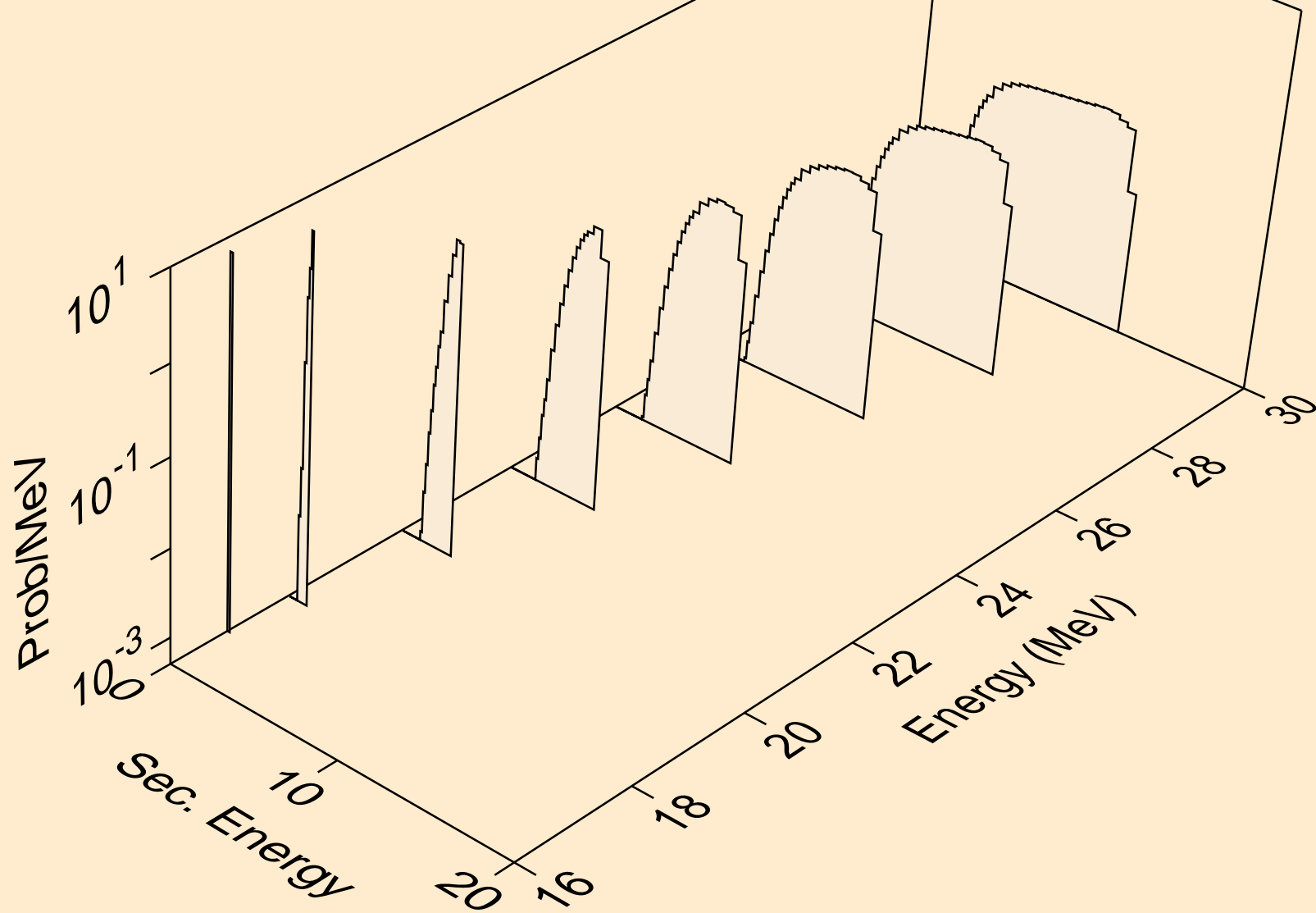




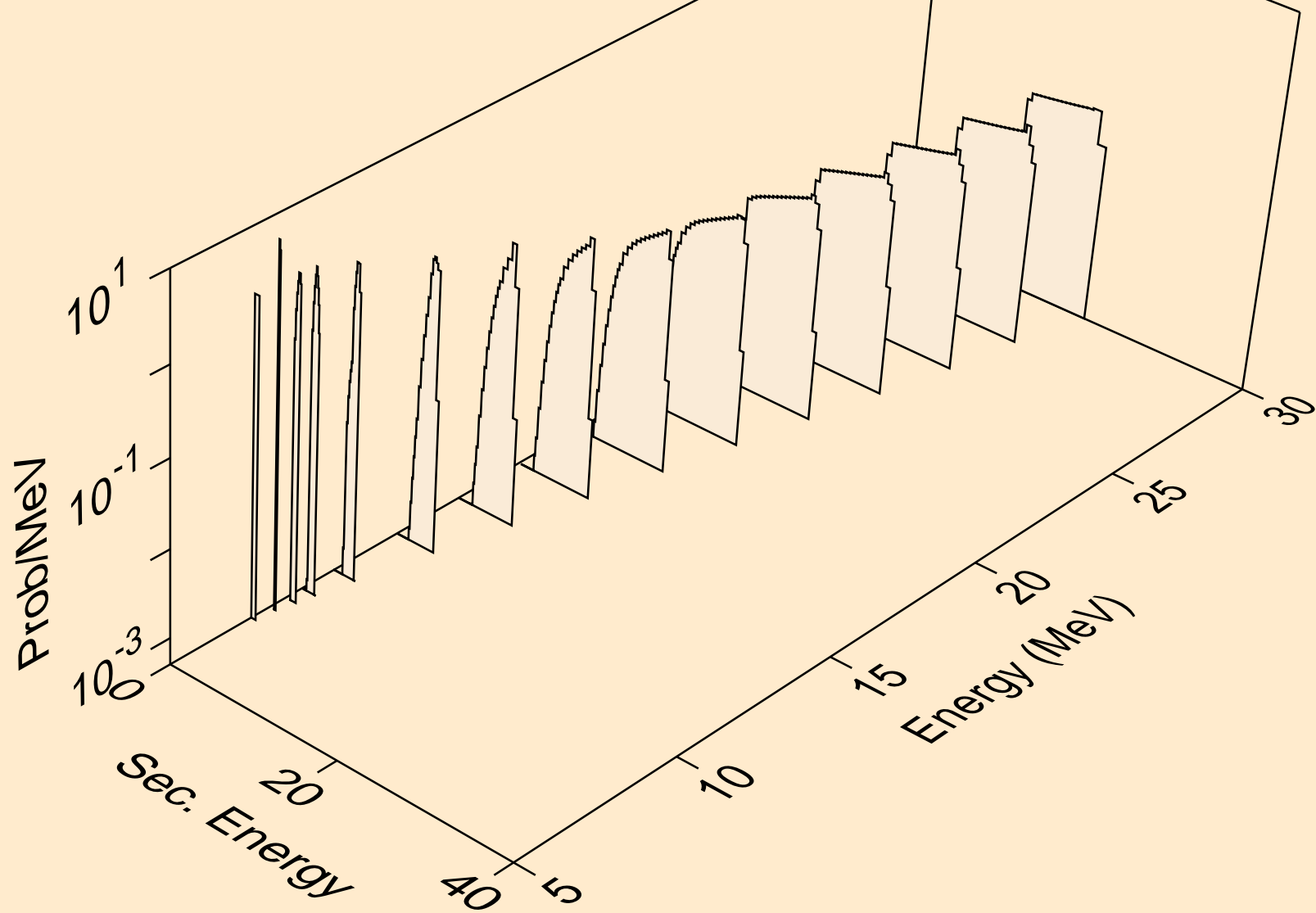
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deuterons from (n,x)



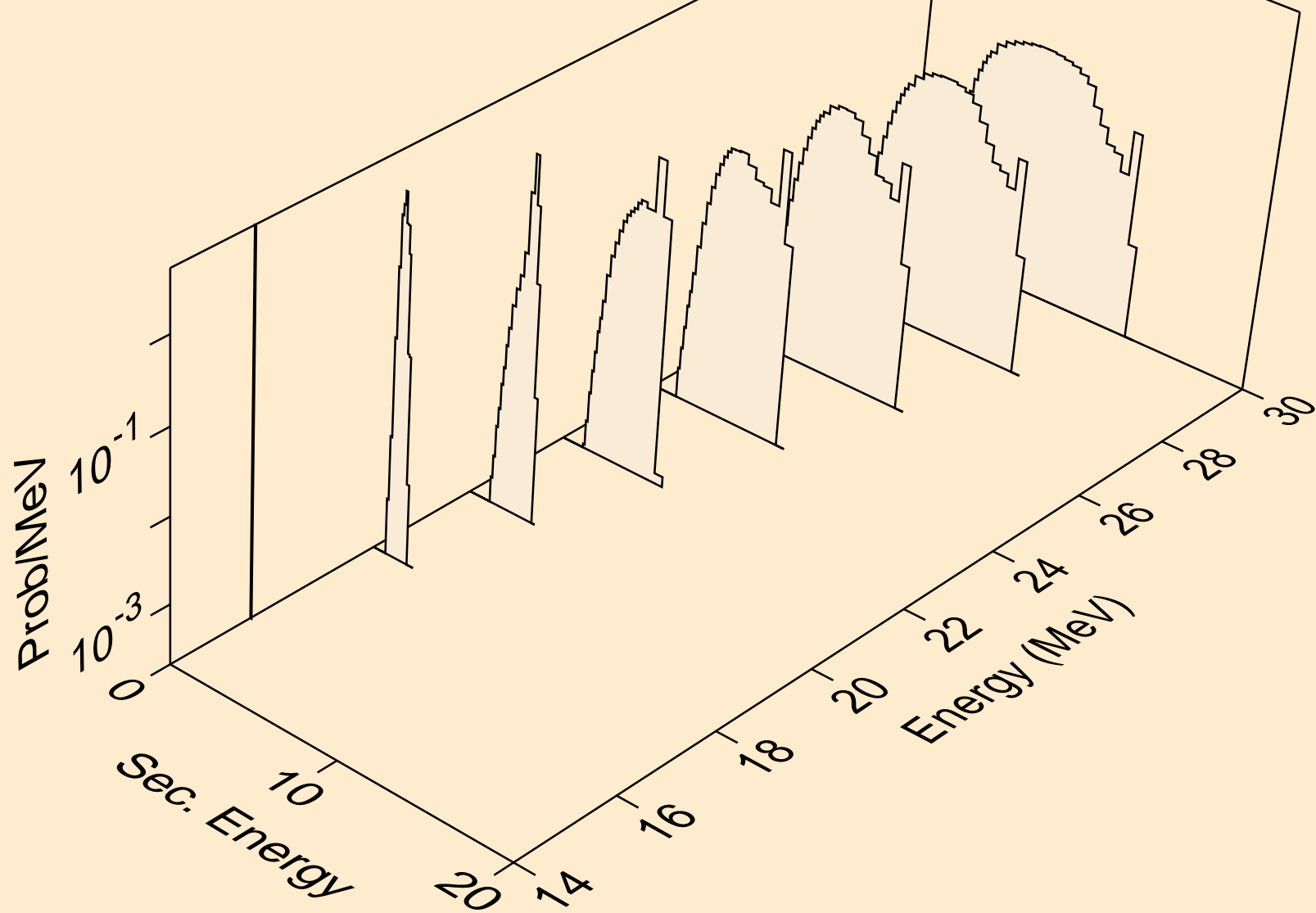
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



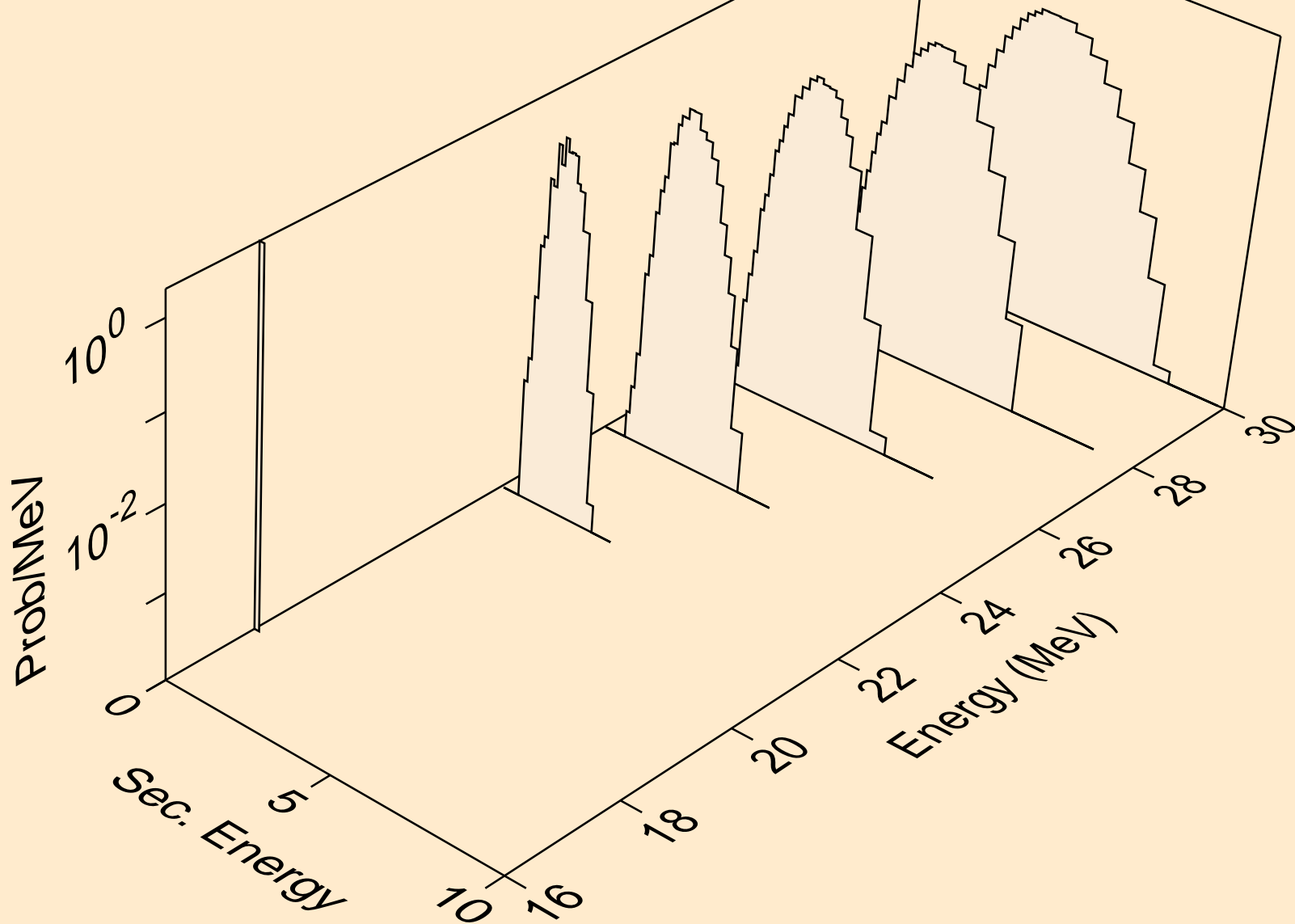
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deuterons from (n,d)



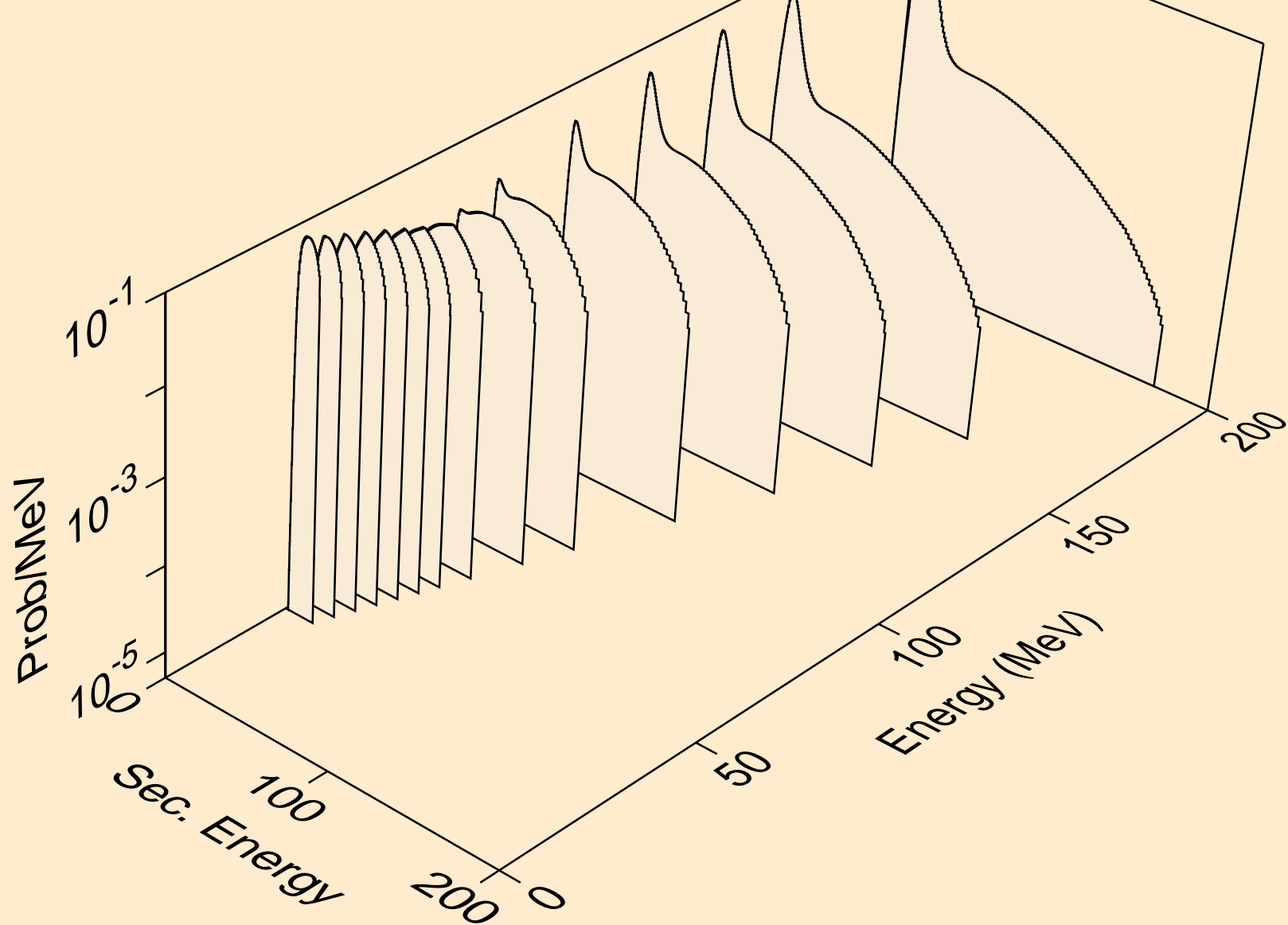
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deuterons from (n,pd)



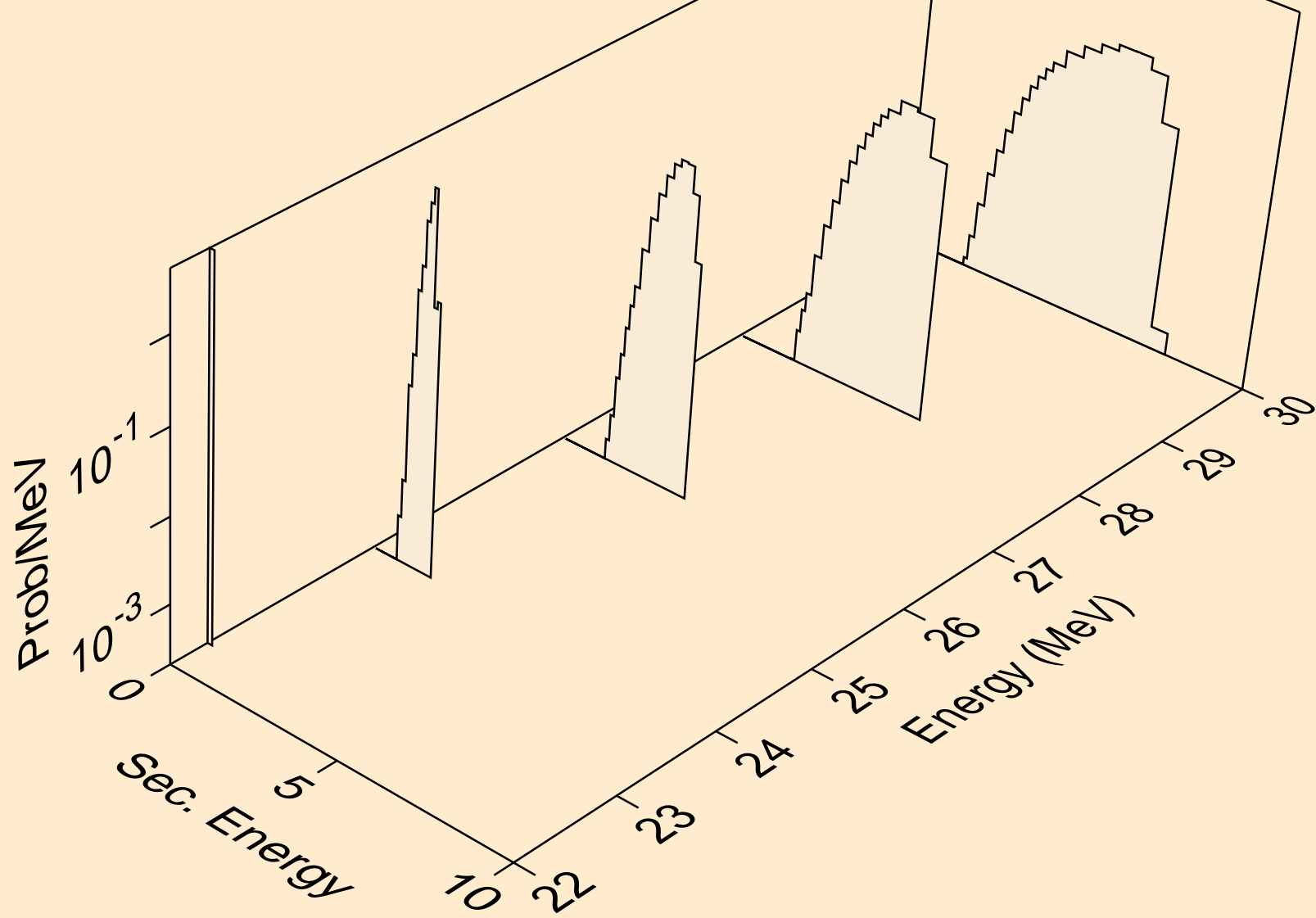
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



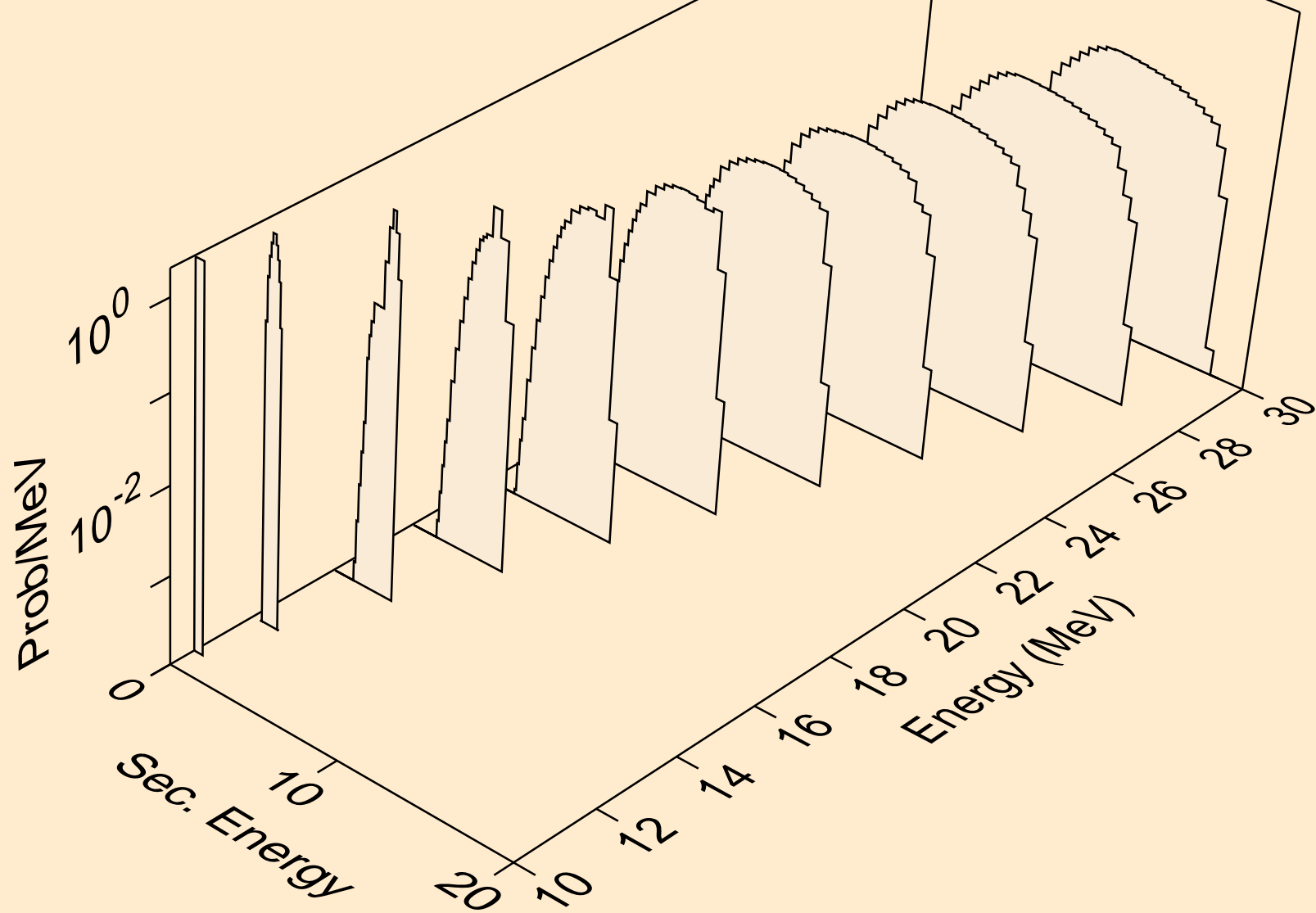
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

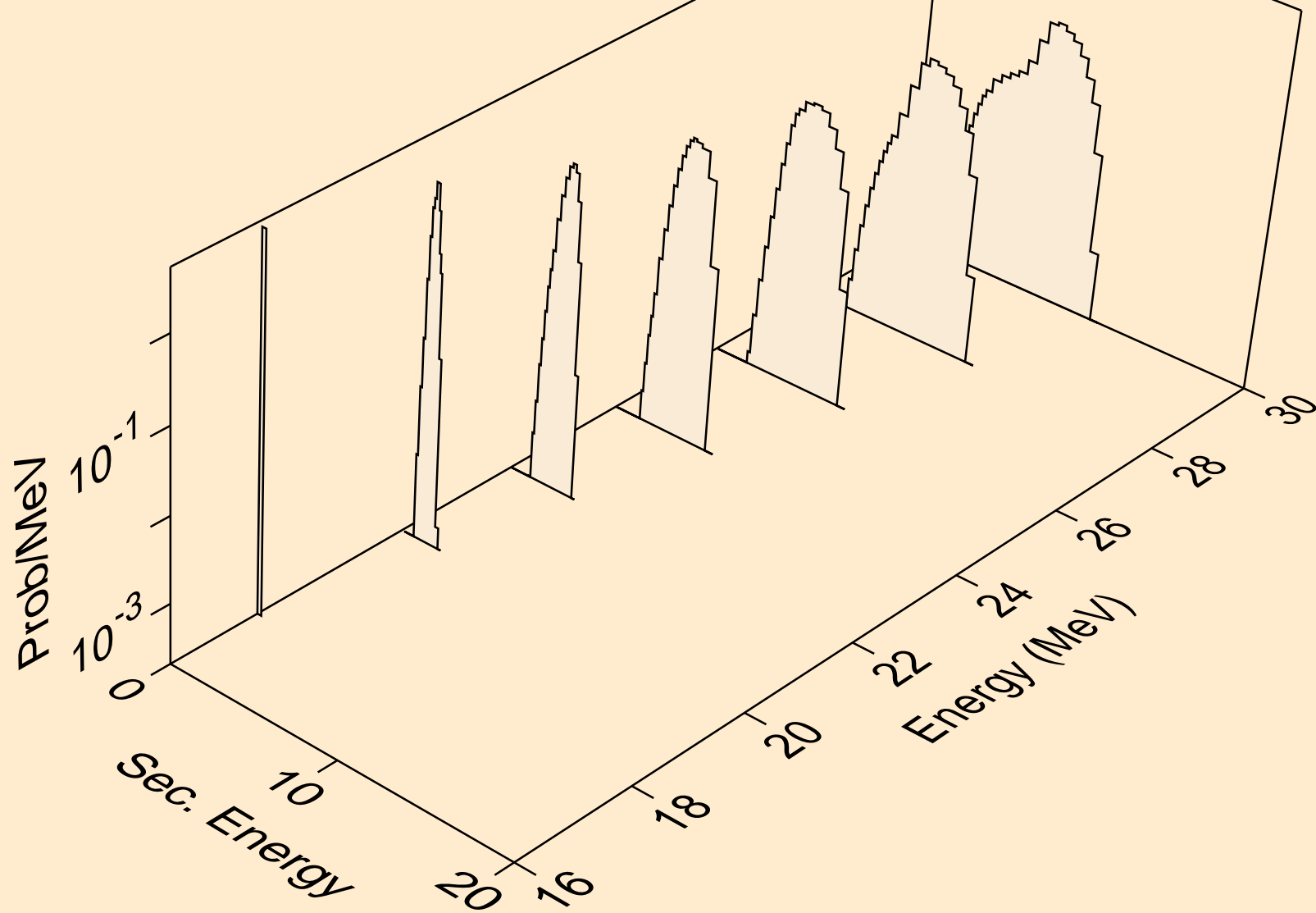


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tritons from (n,t)

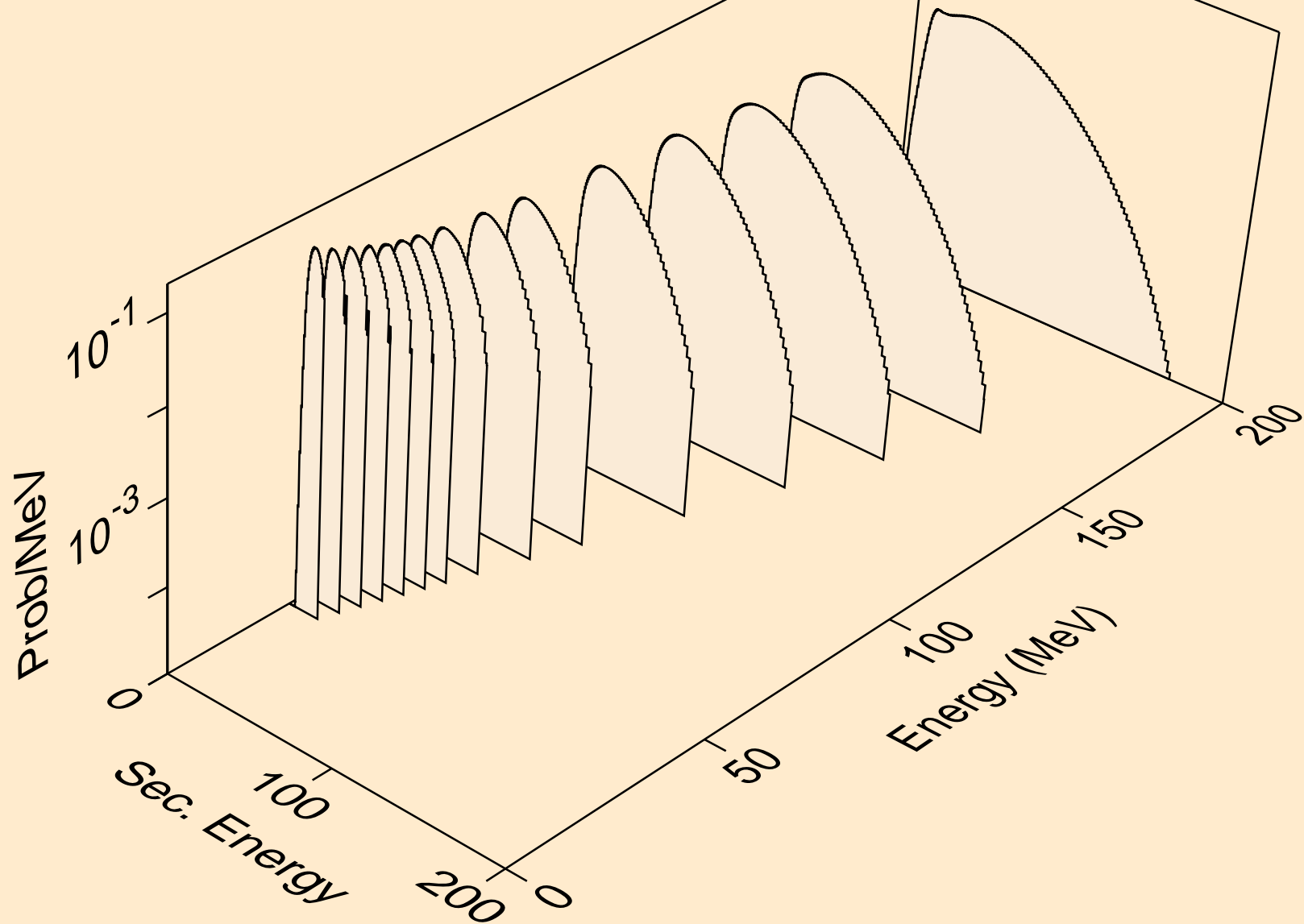




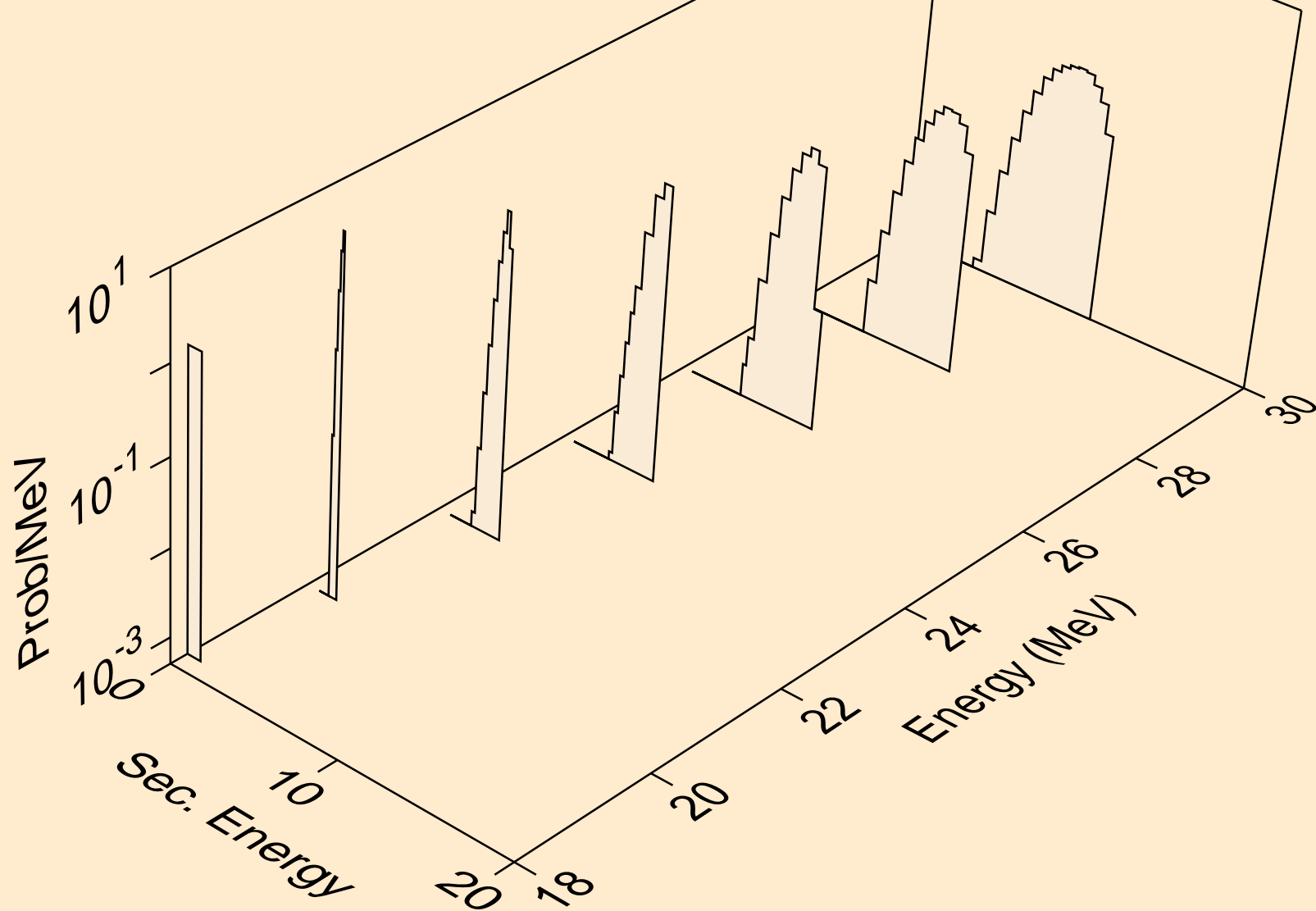
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tritons from (n,pt)



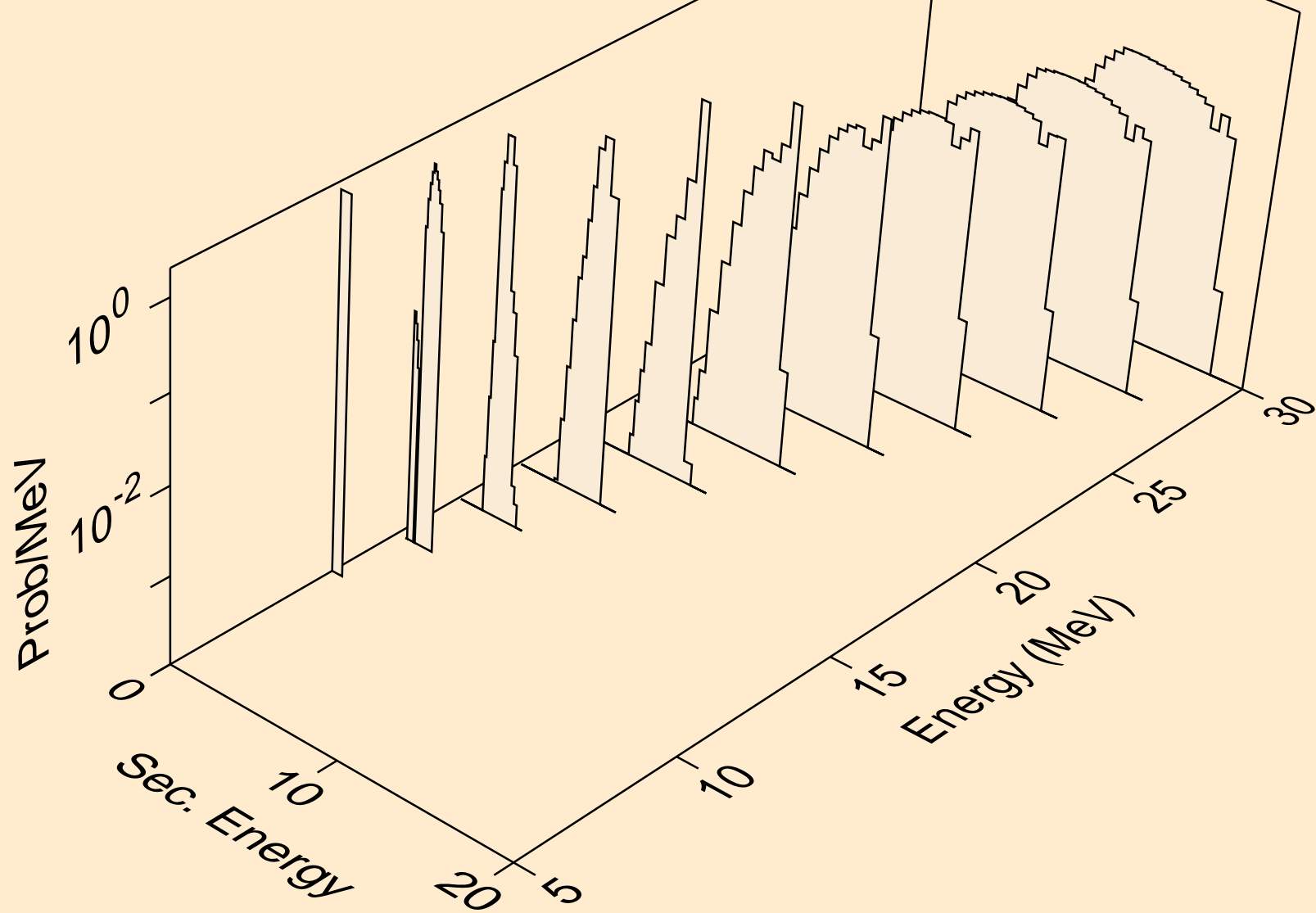
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he3s from (n,x)



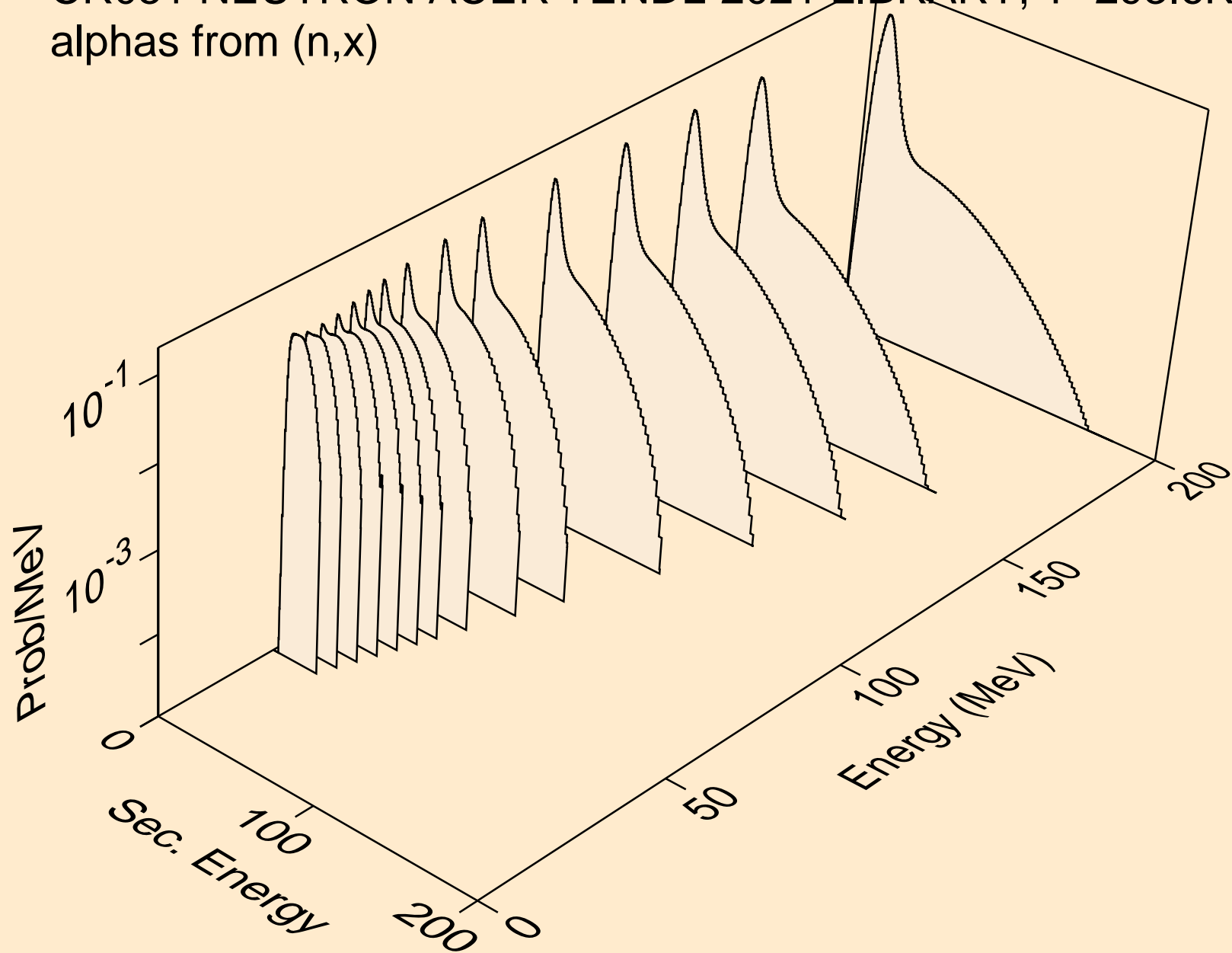
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he3s from (n,n\*)he3



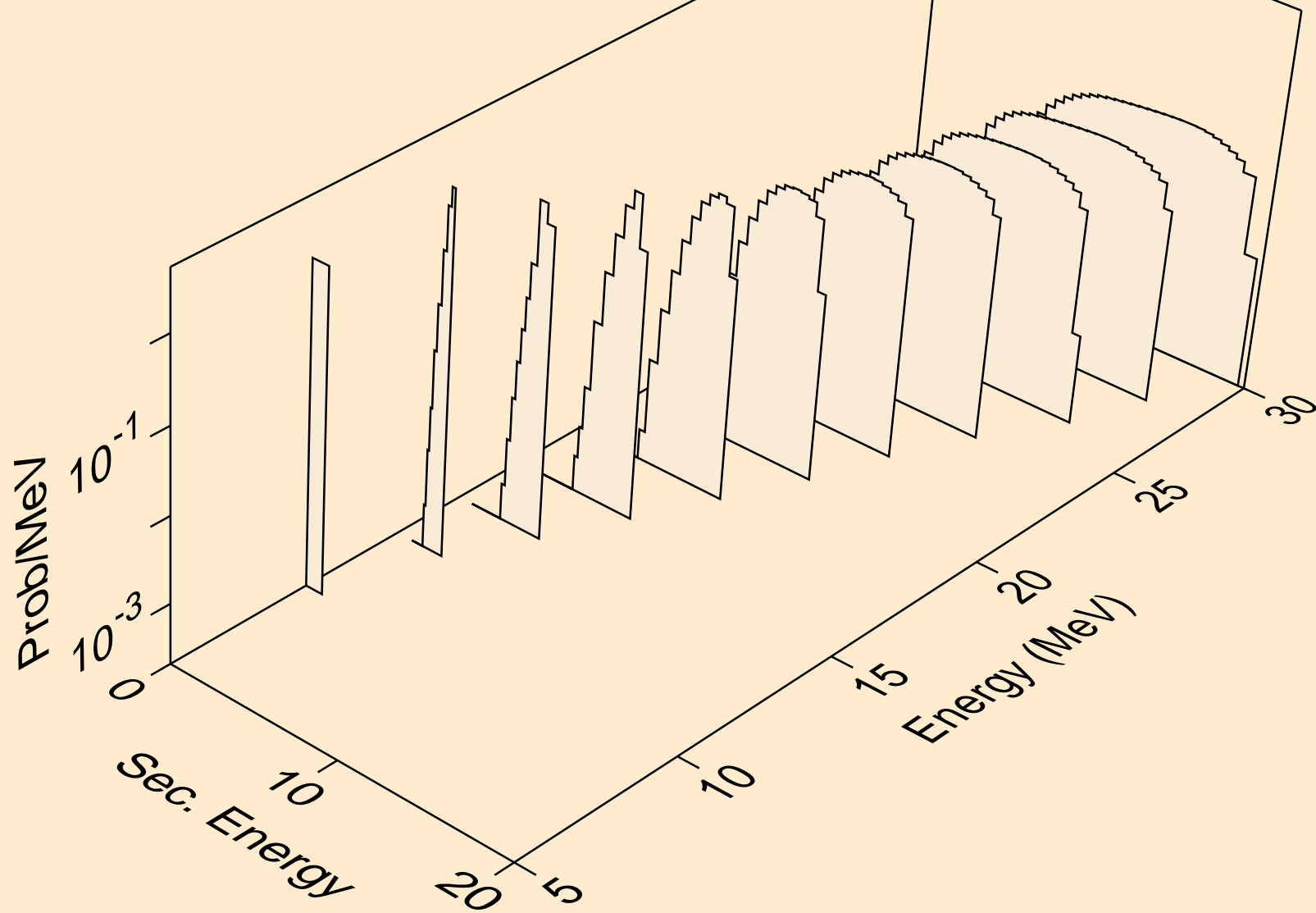
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he3s from (n,he3)



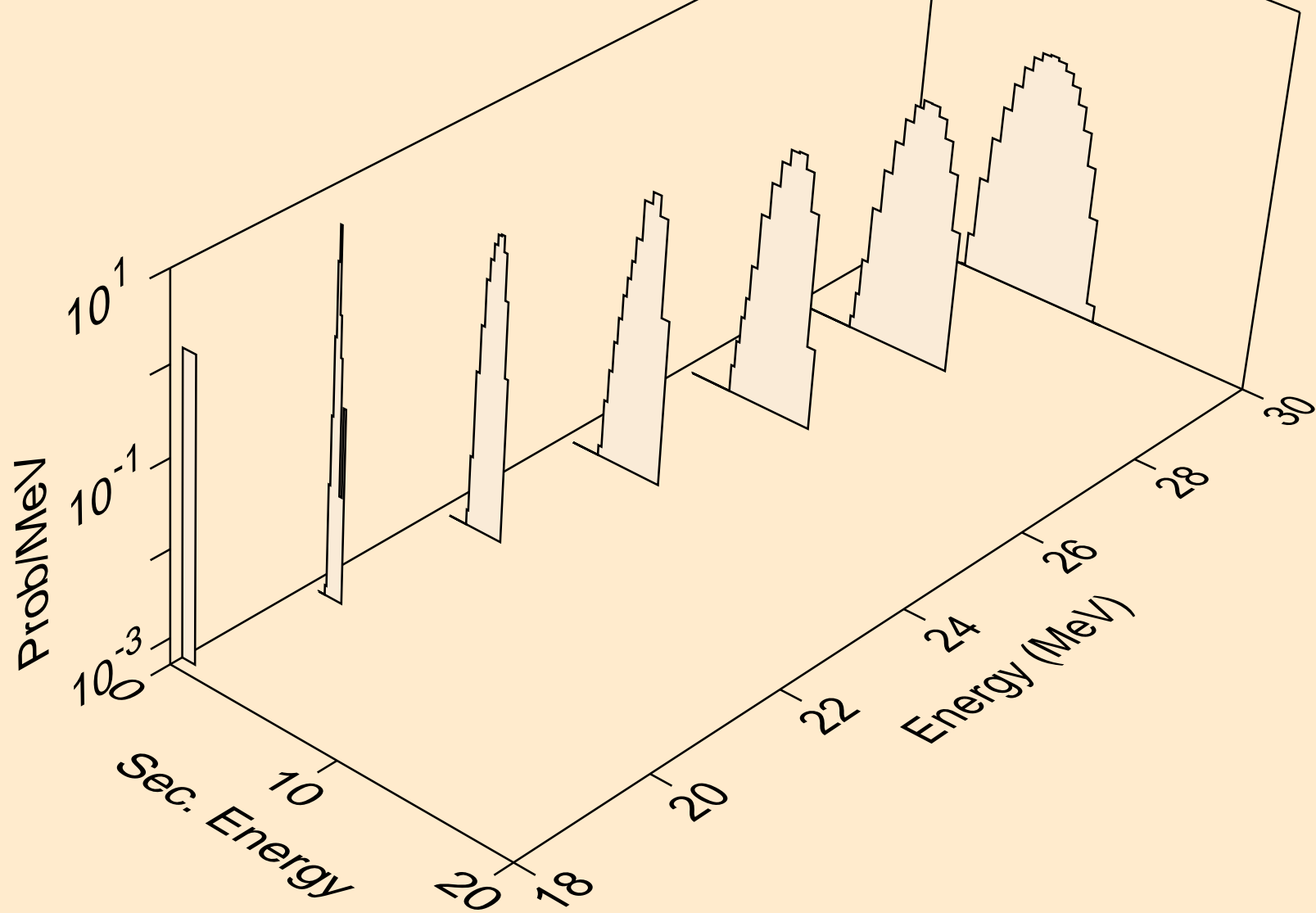
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



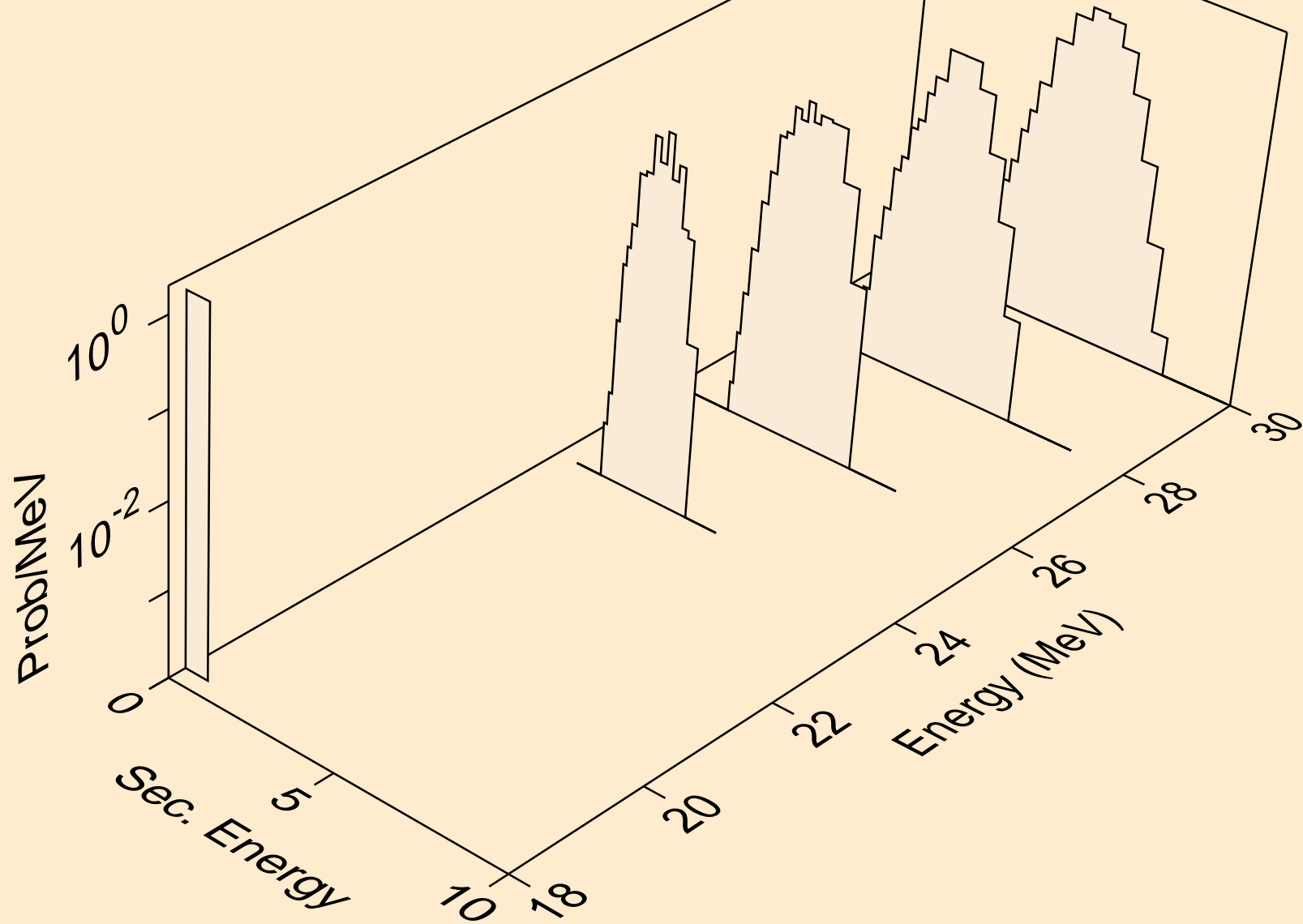
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

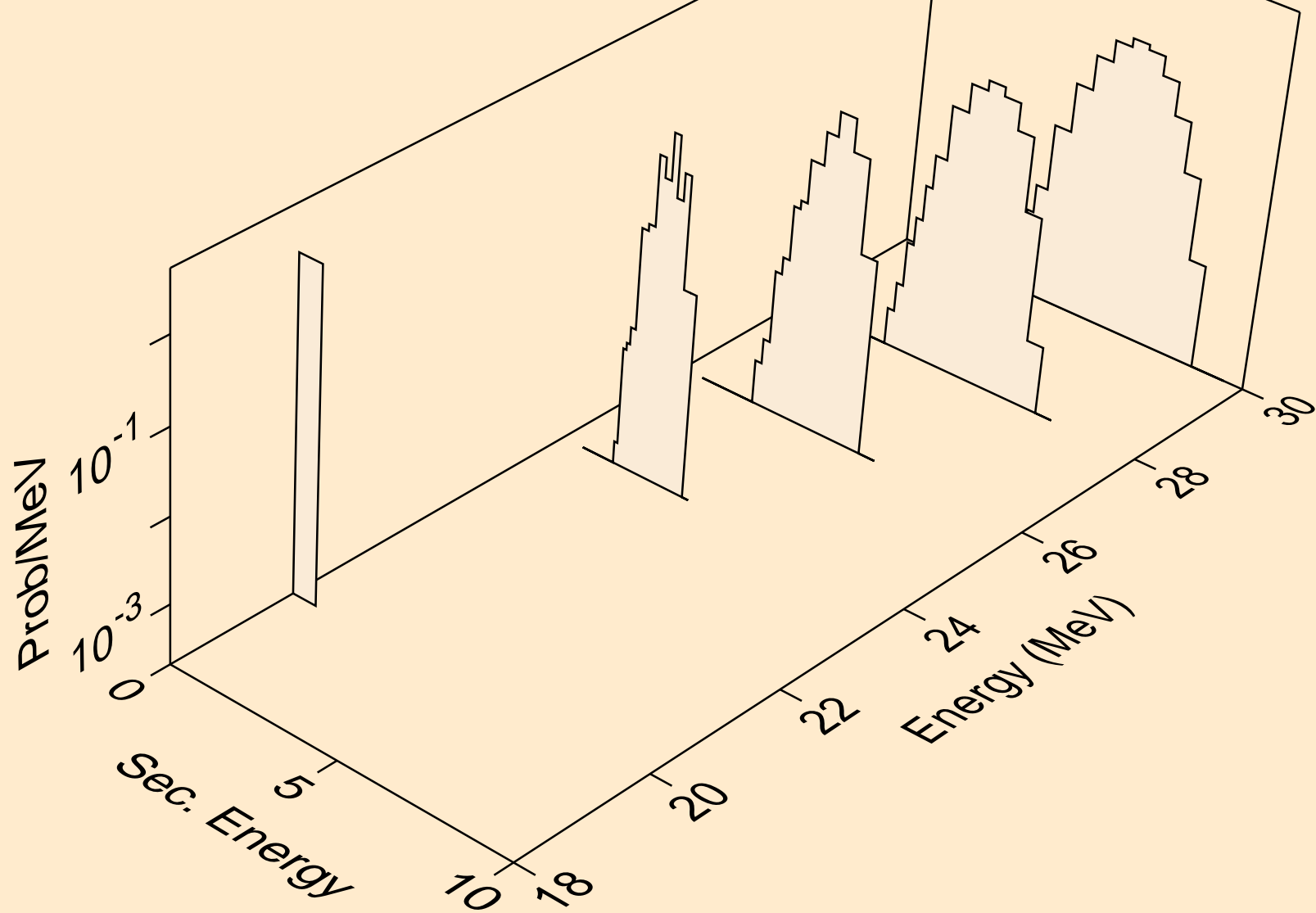


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alphas from (n,n\*)2a

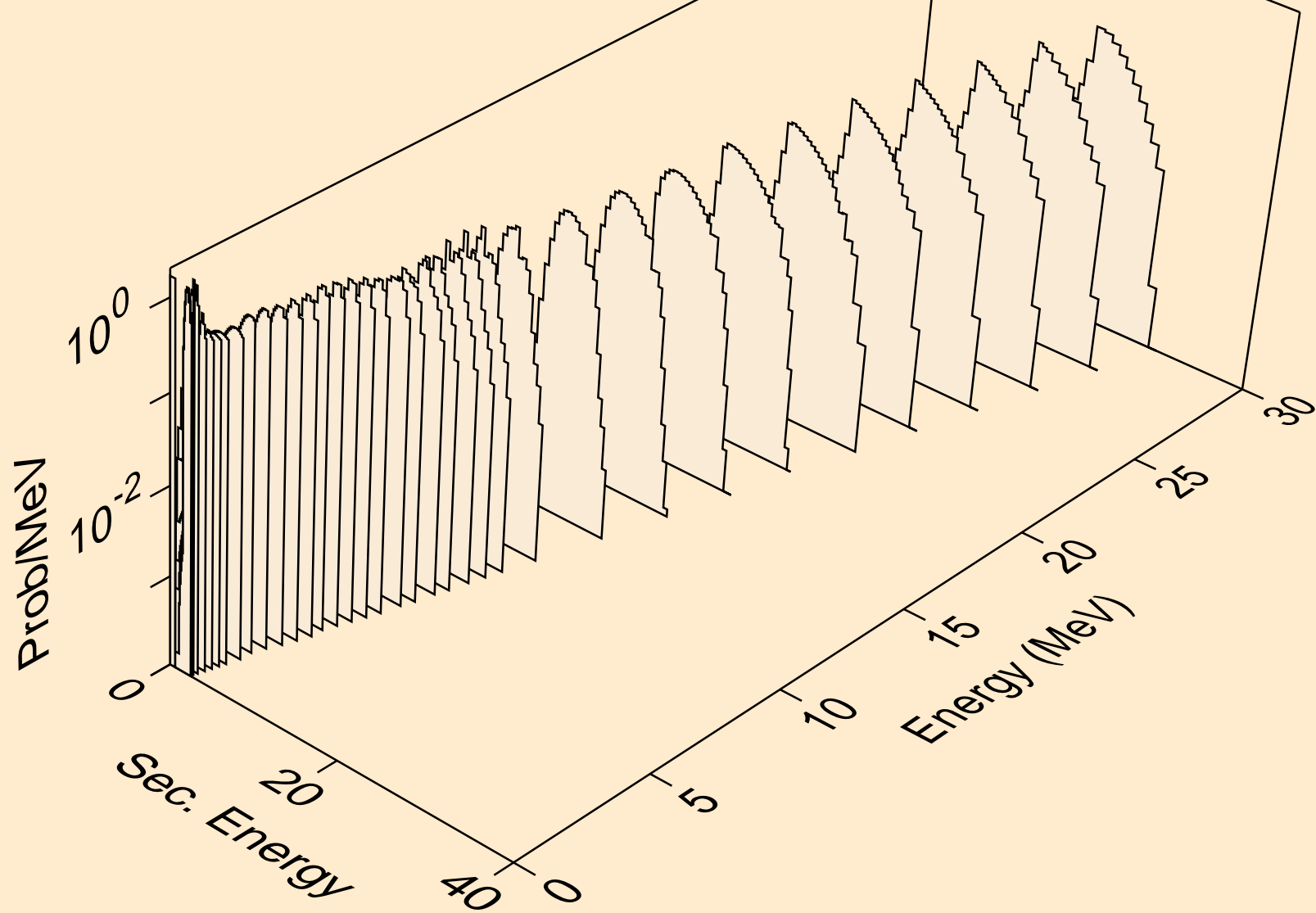




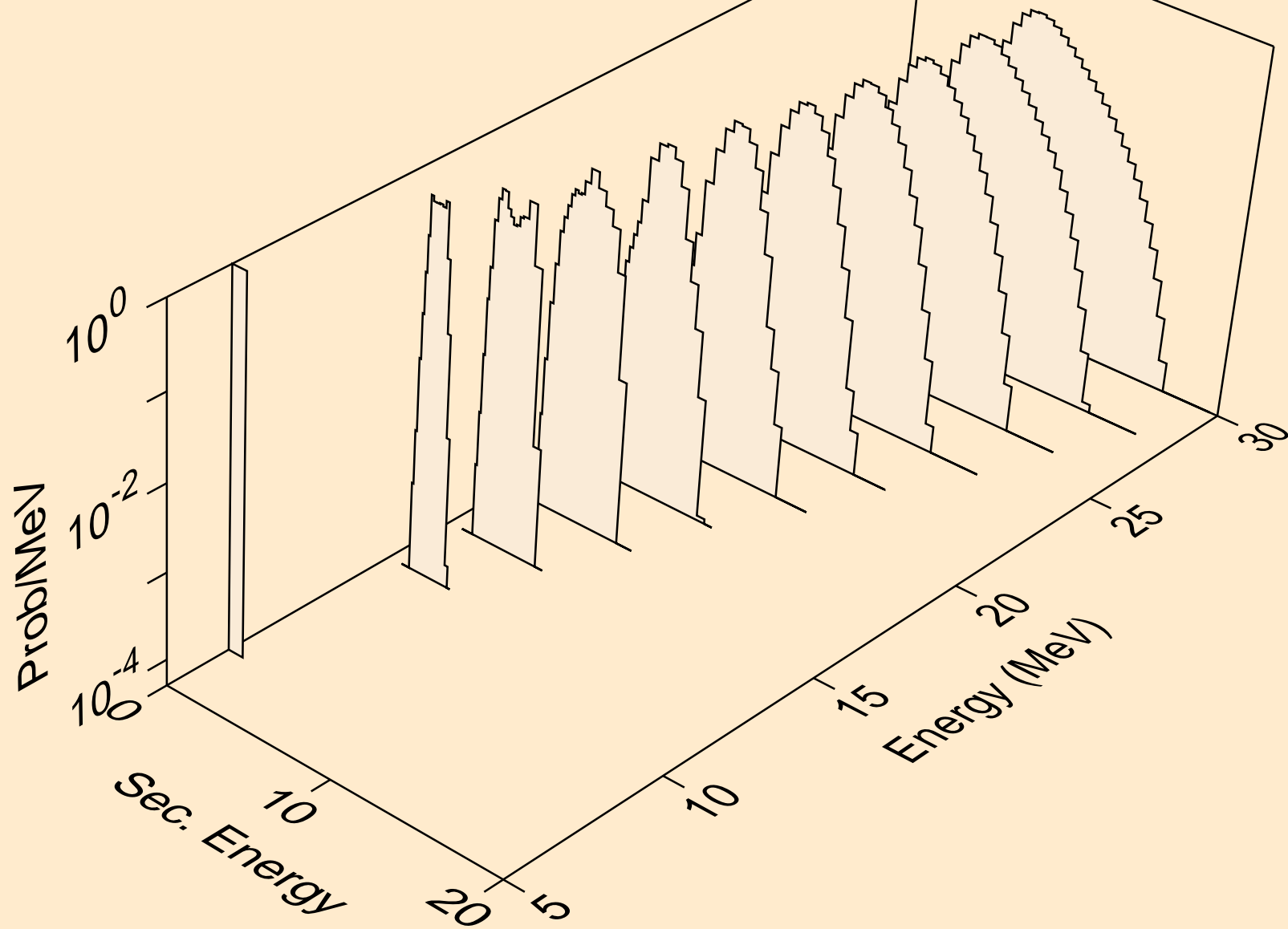
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alphas from (n,npa)



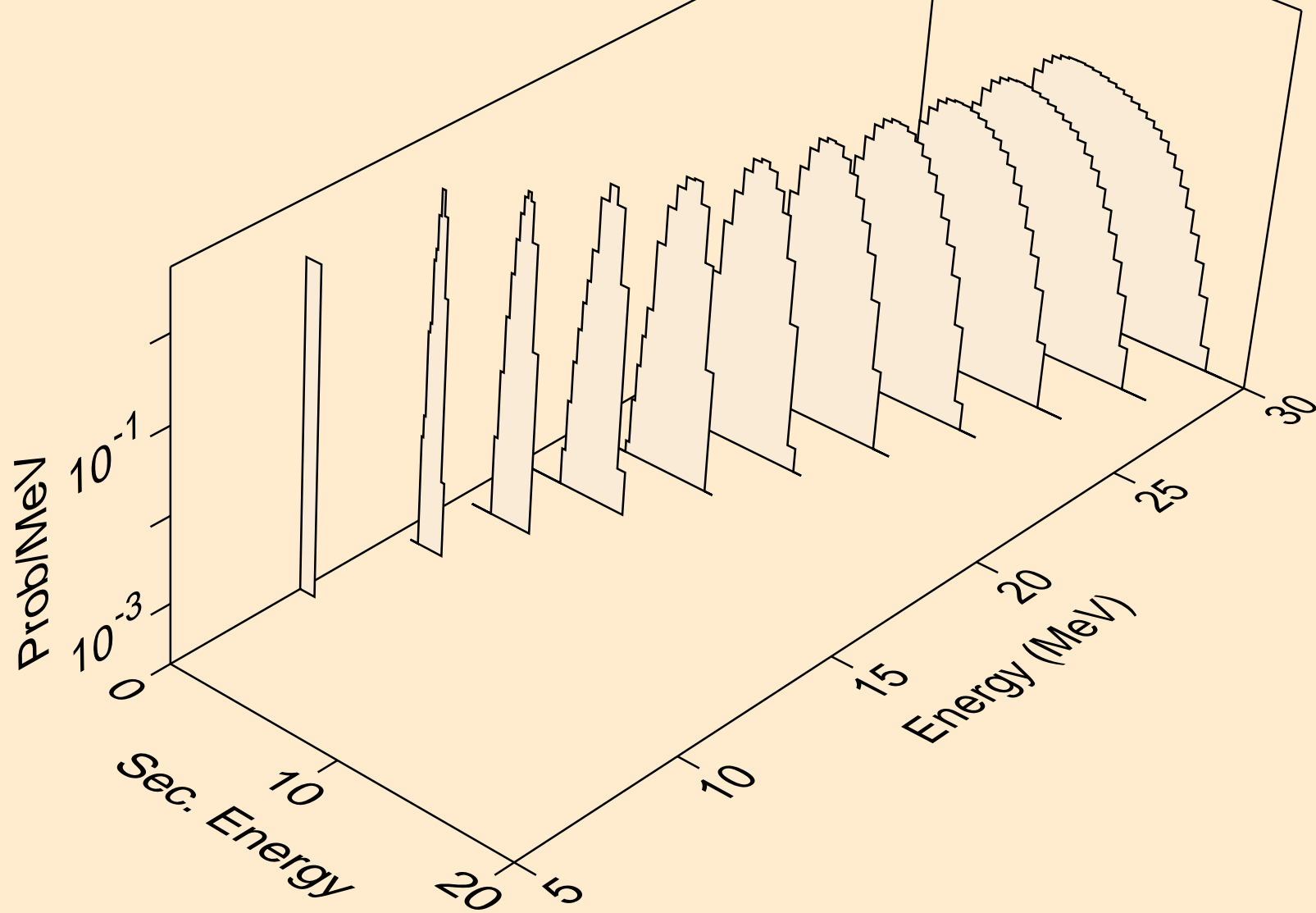
CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



CR051 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

