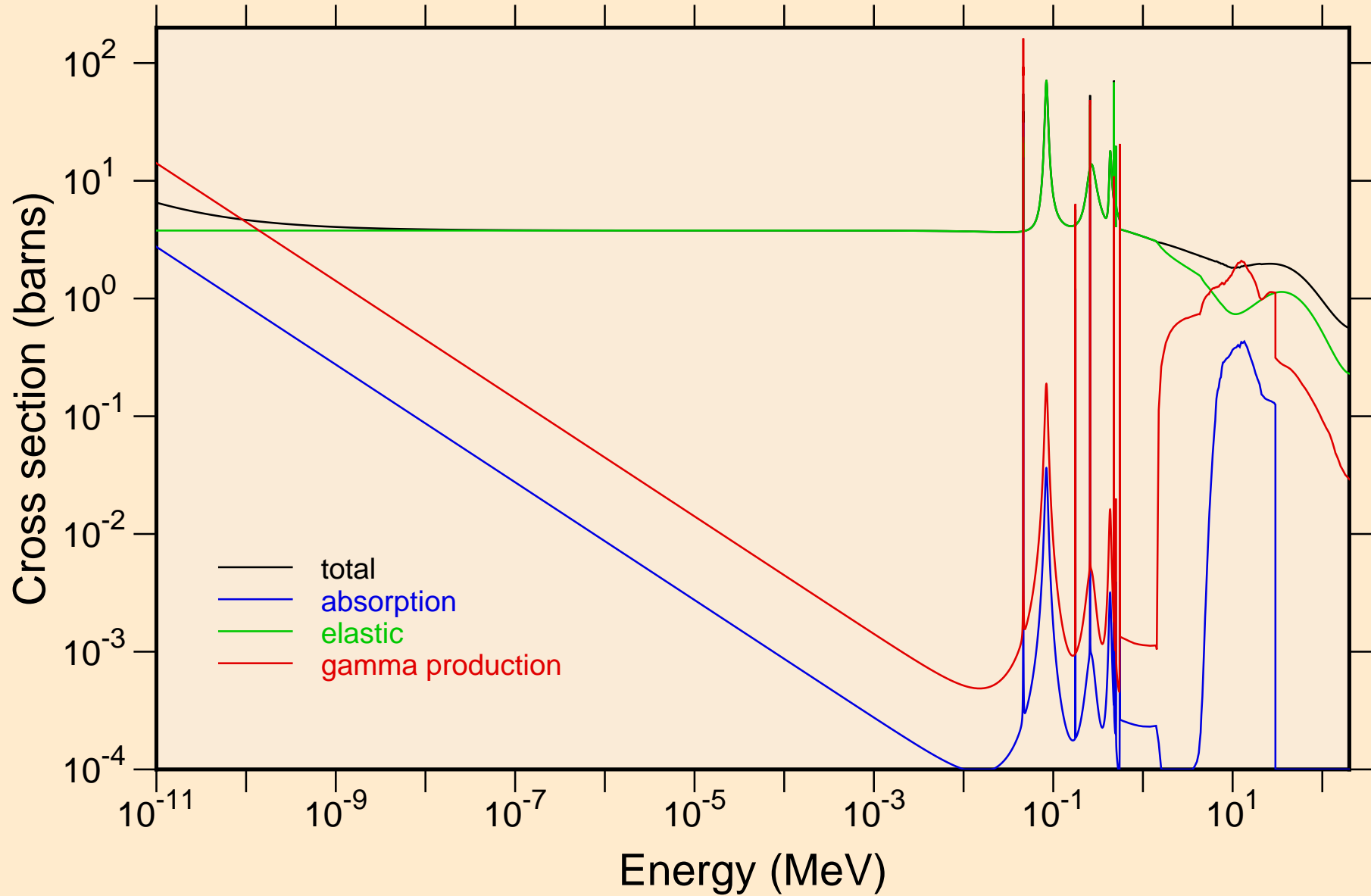
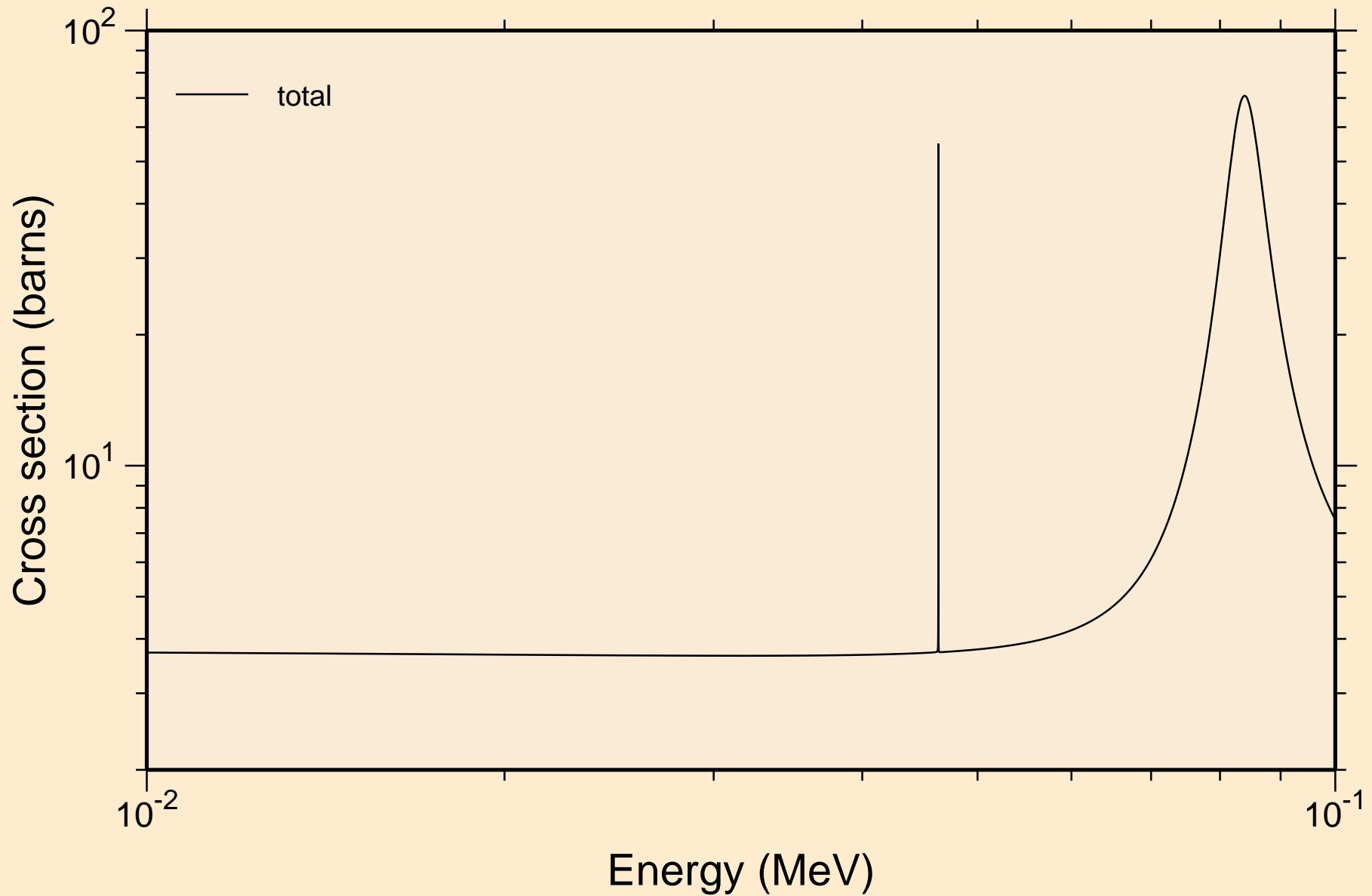


# MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

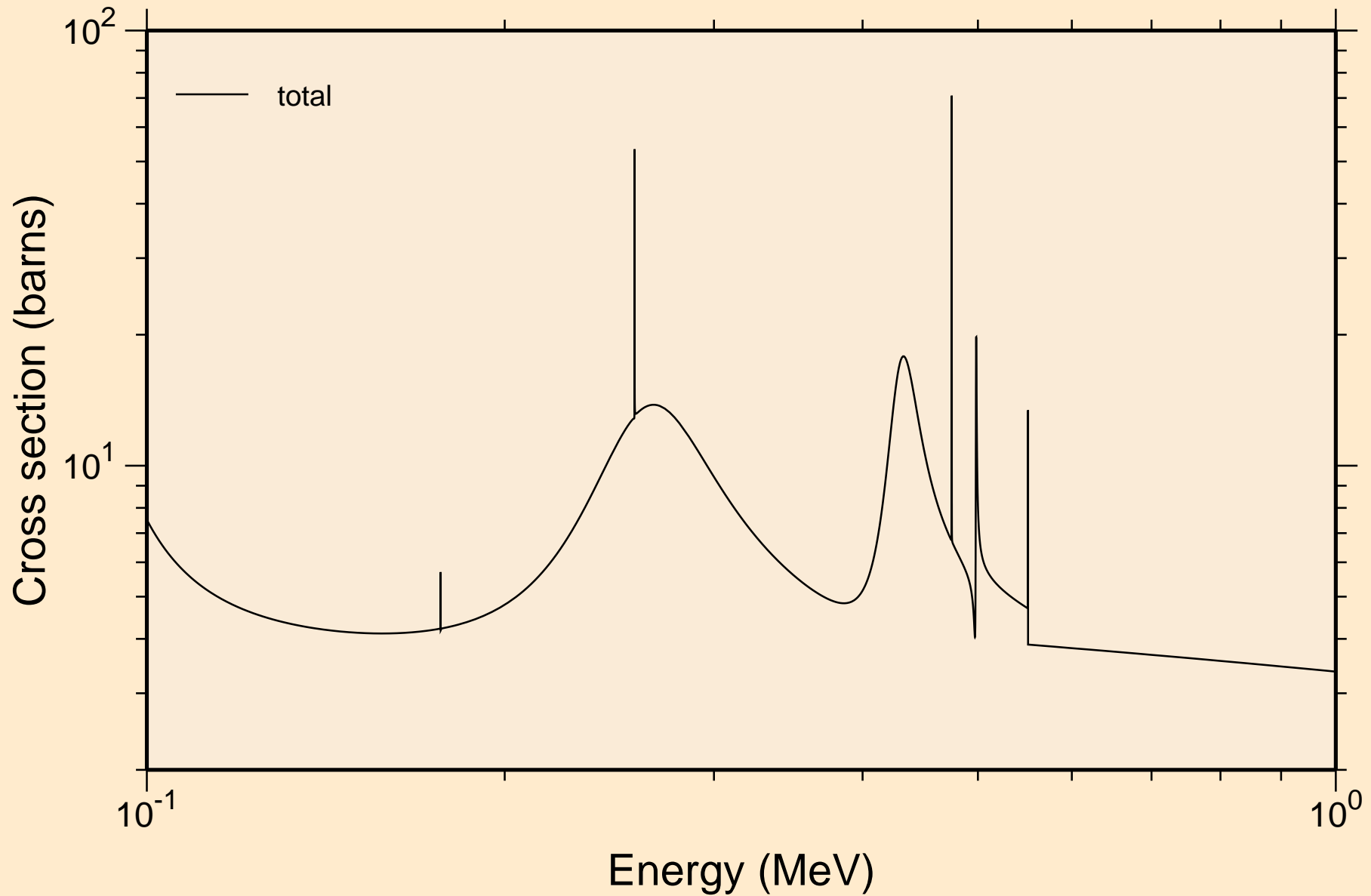
## Principal cross sections



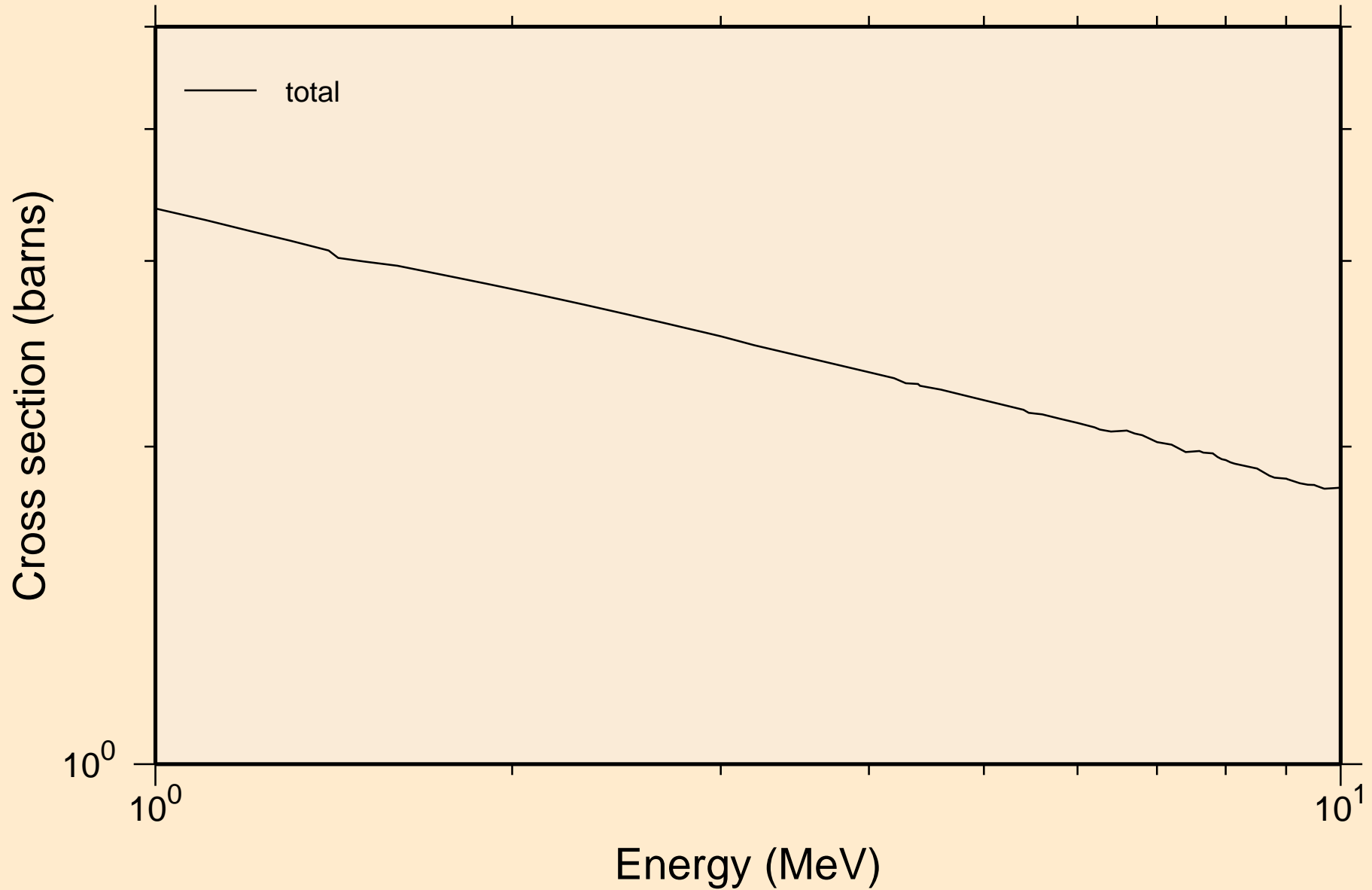
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



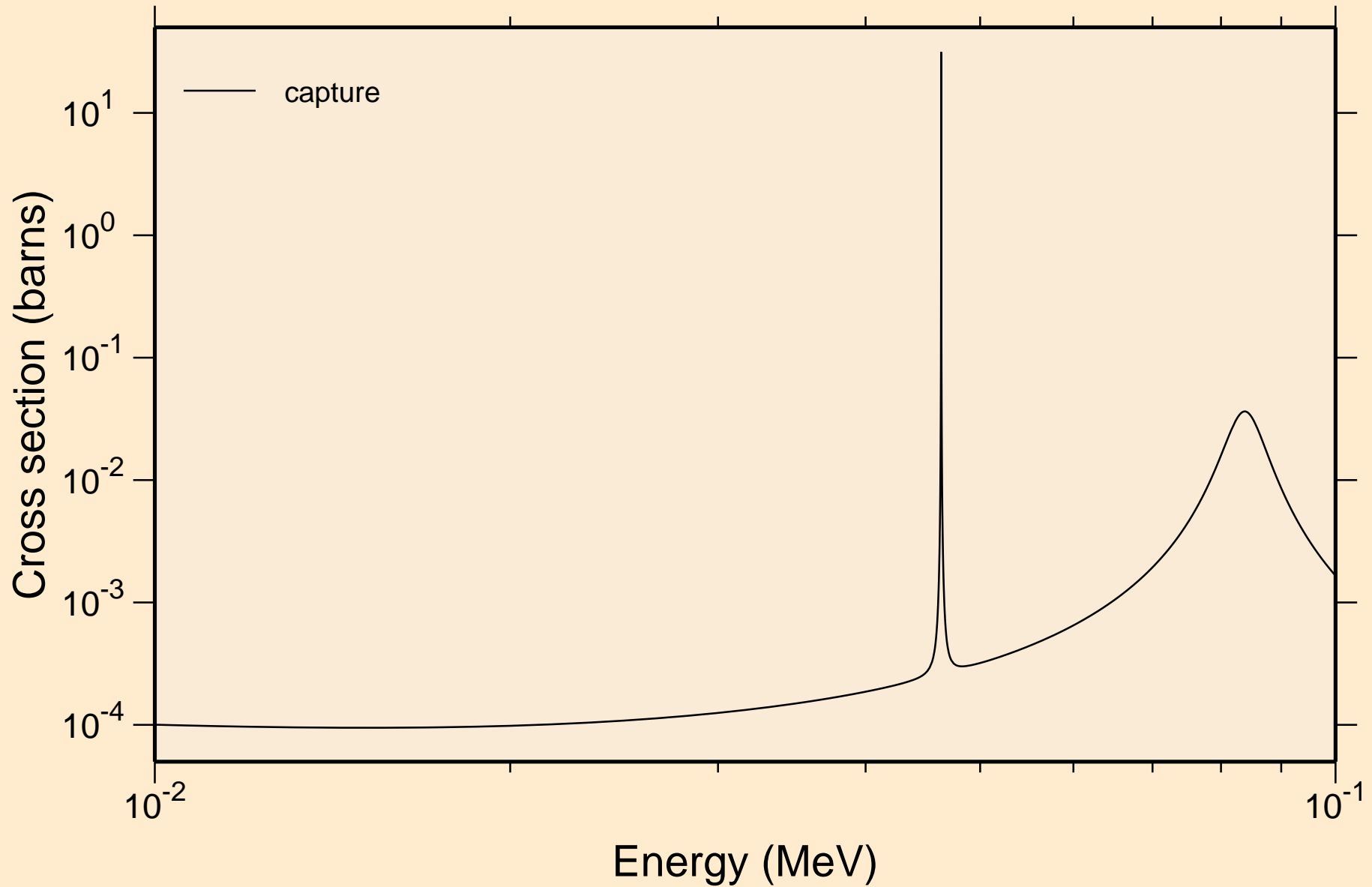
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



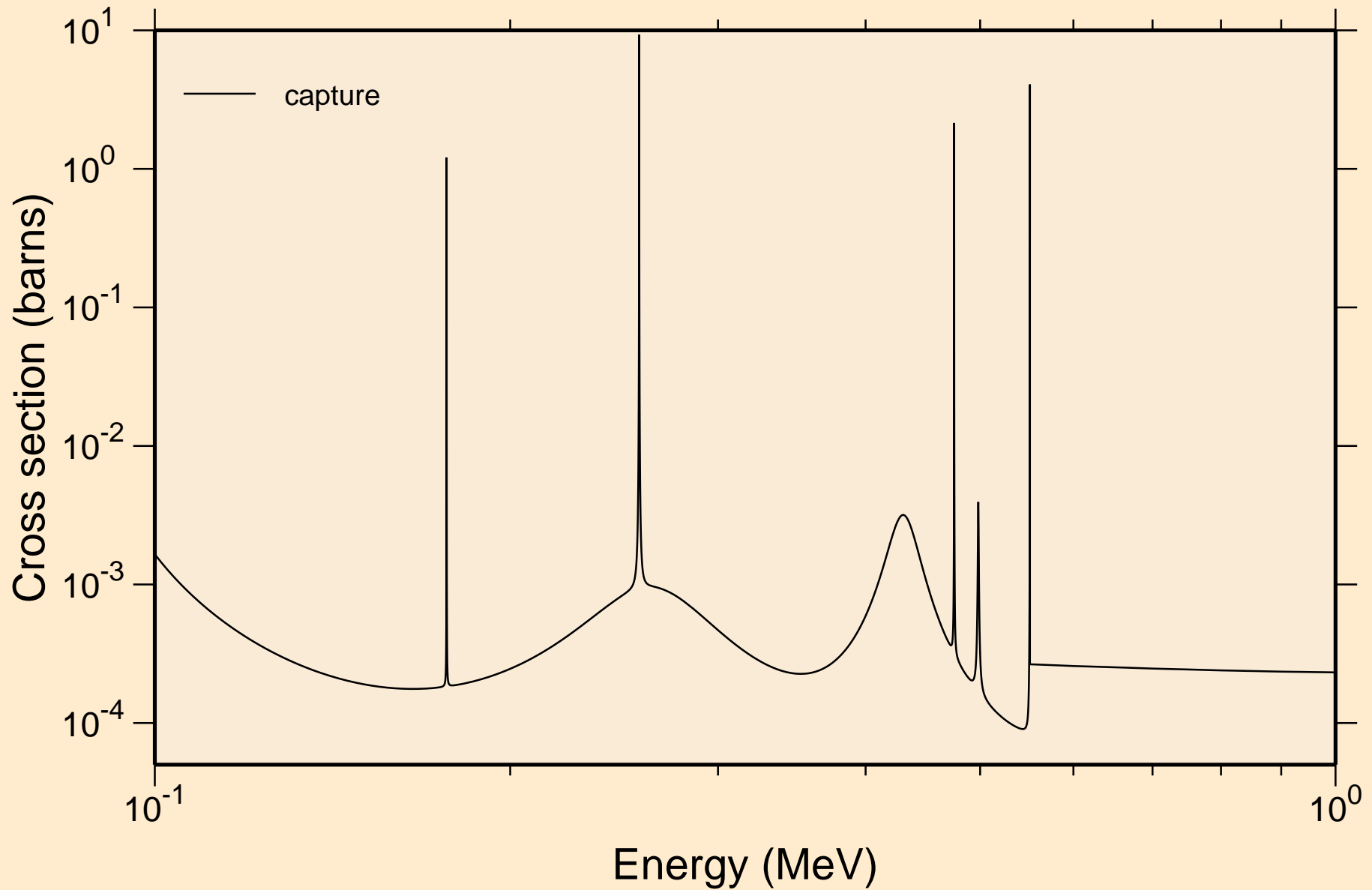
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



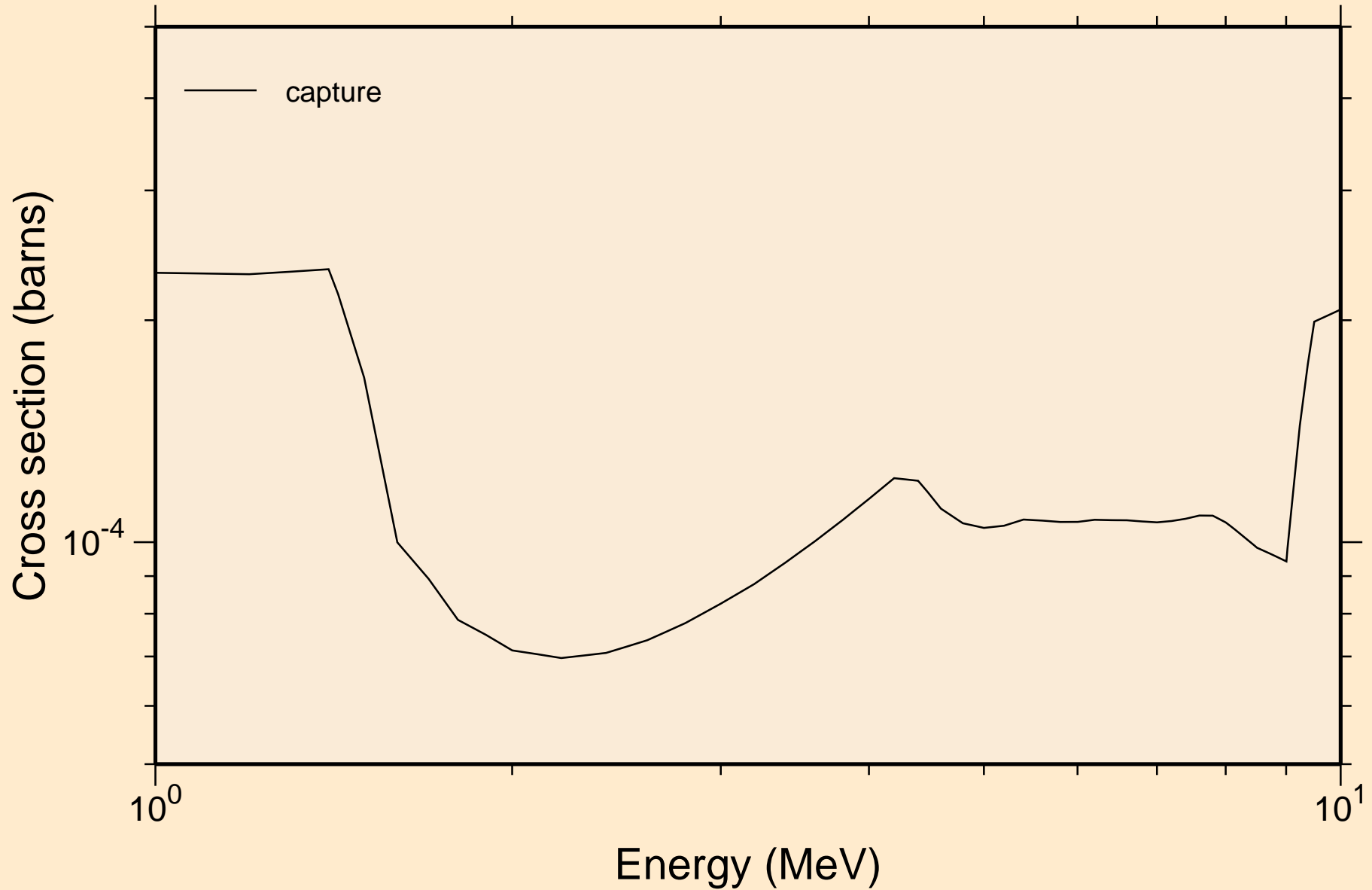
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



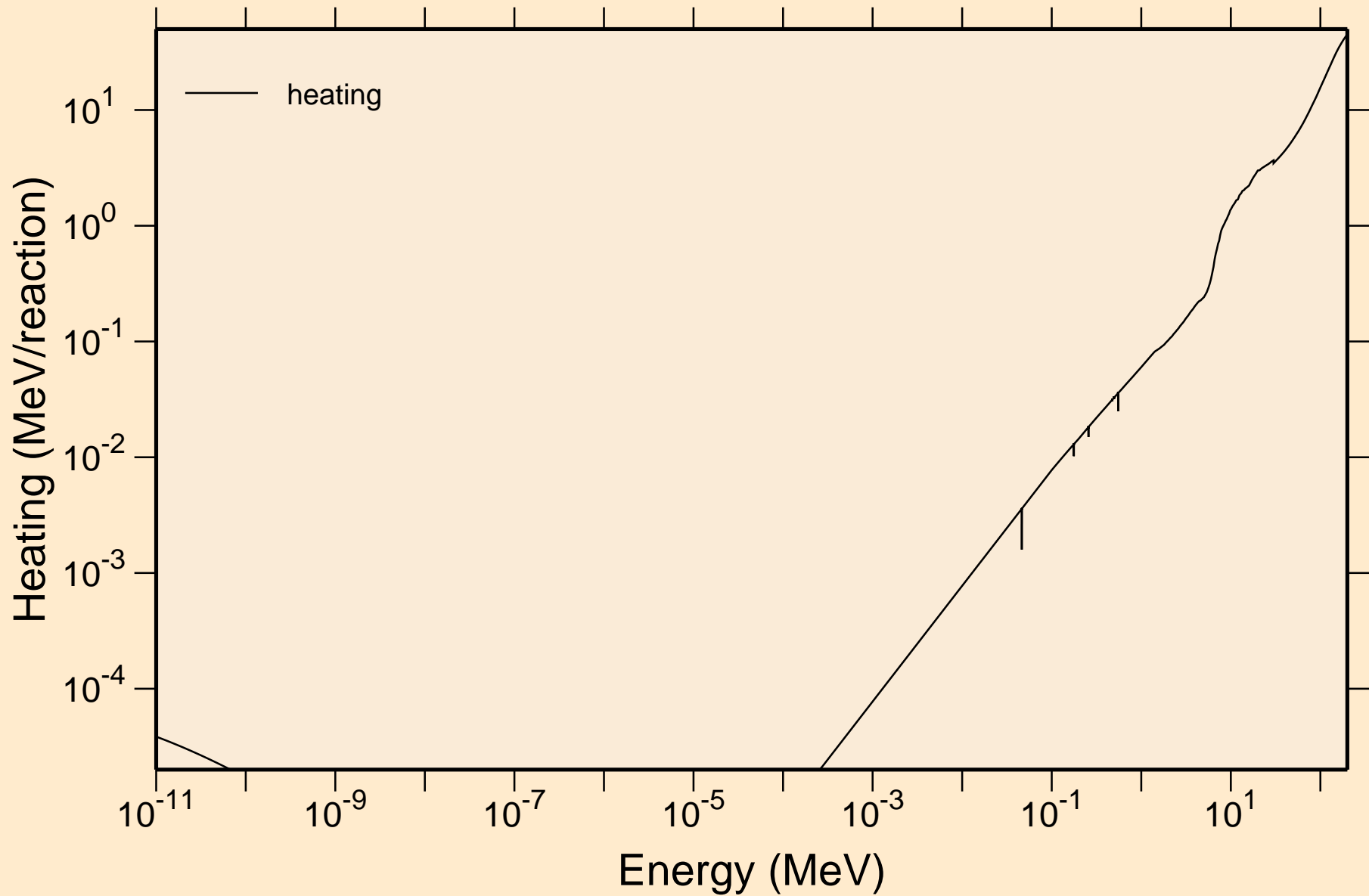
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

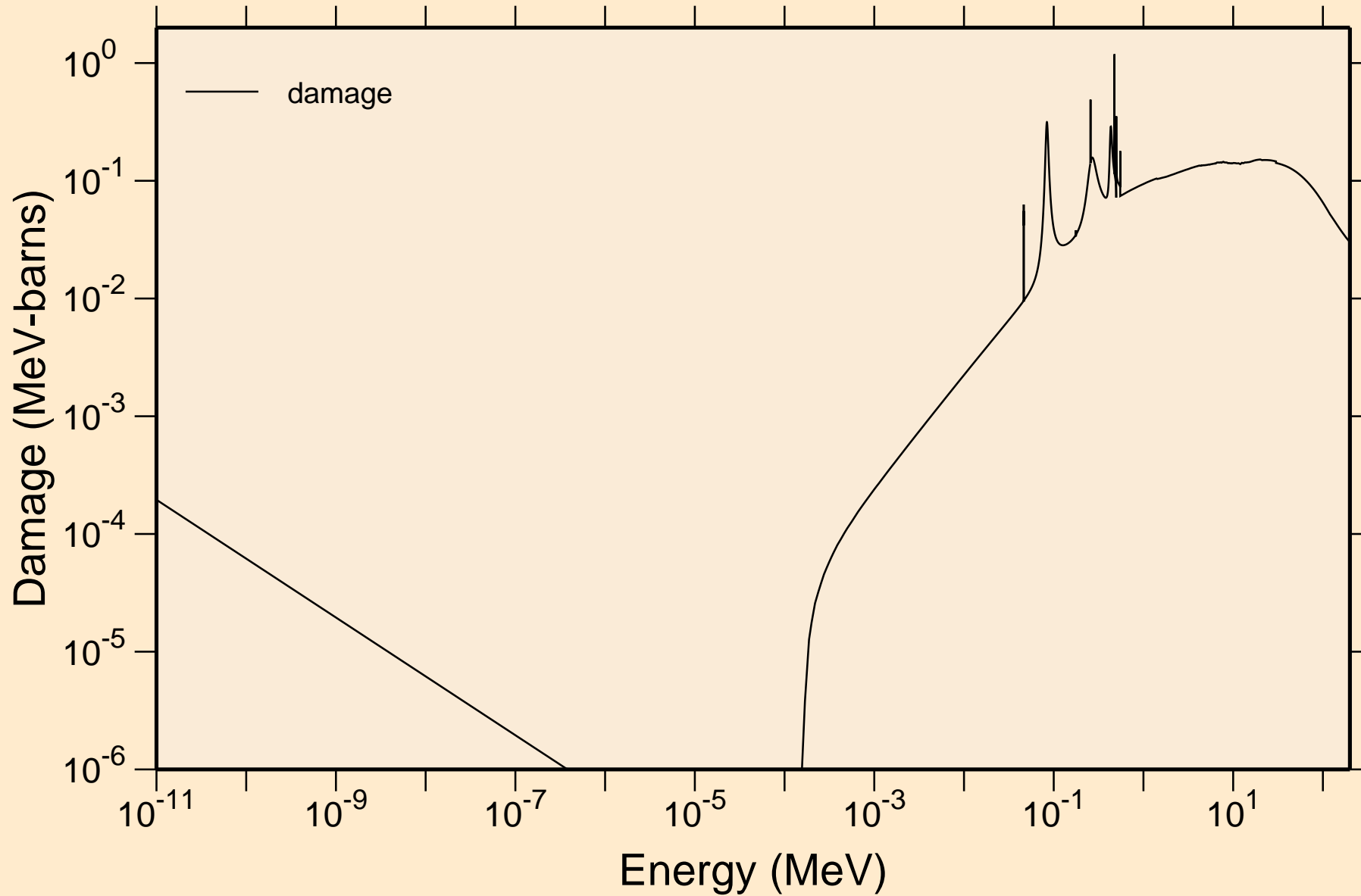


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

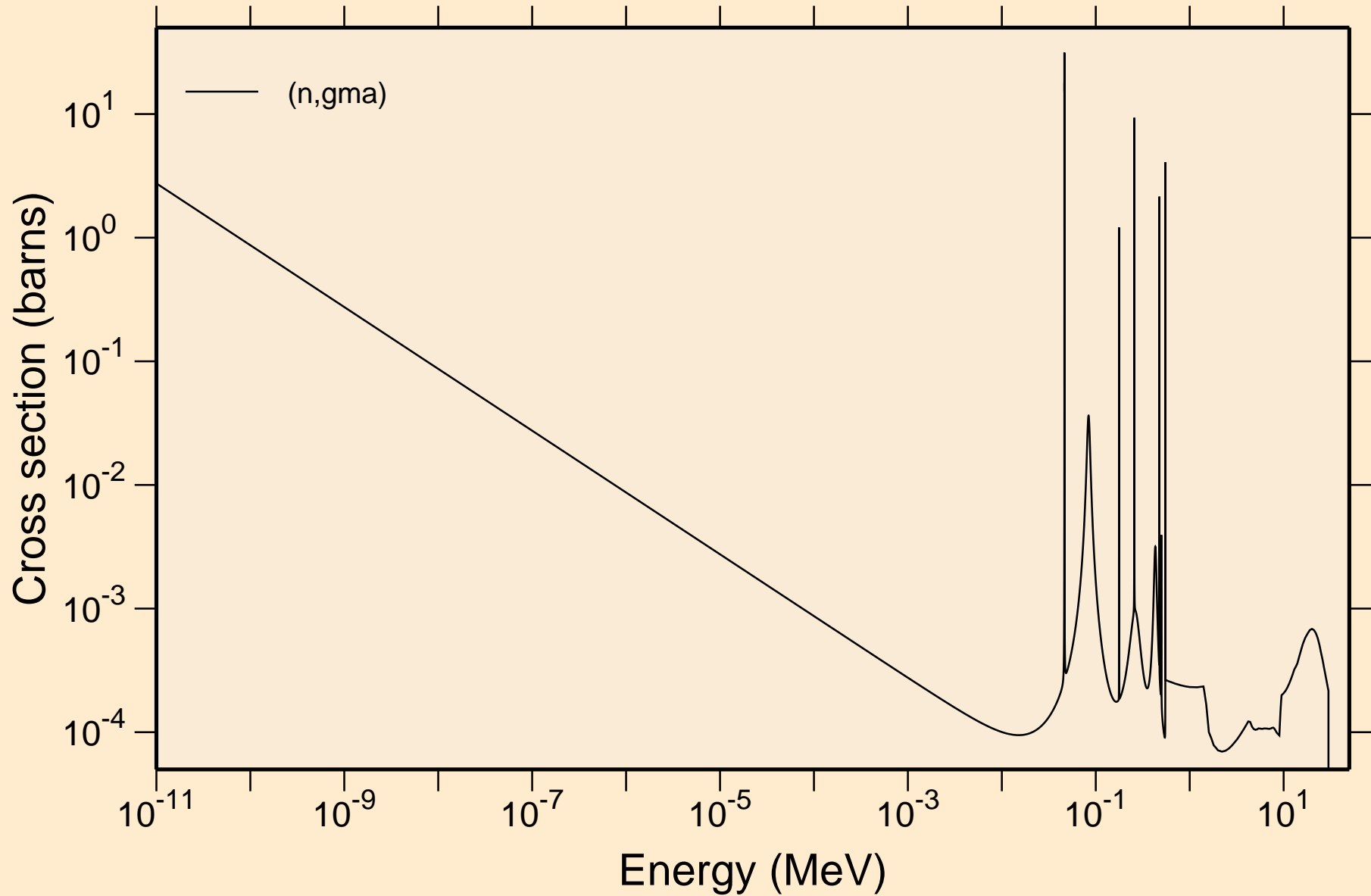




MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

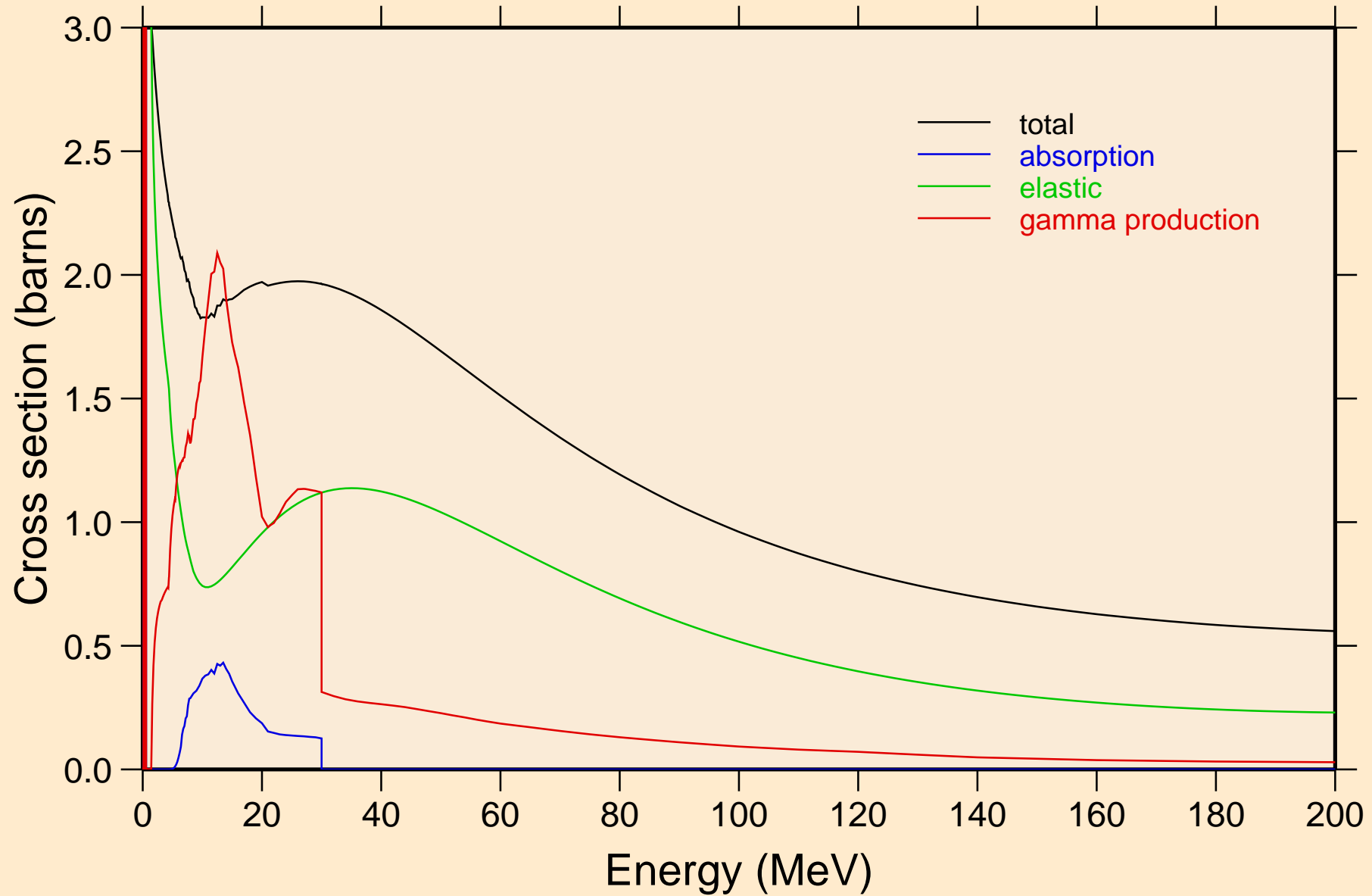


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



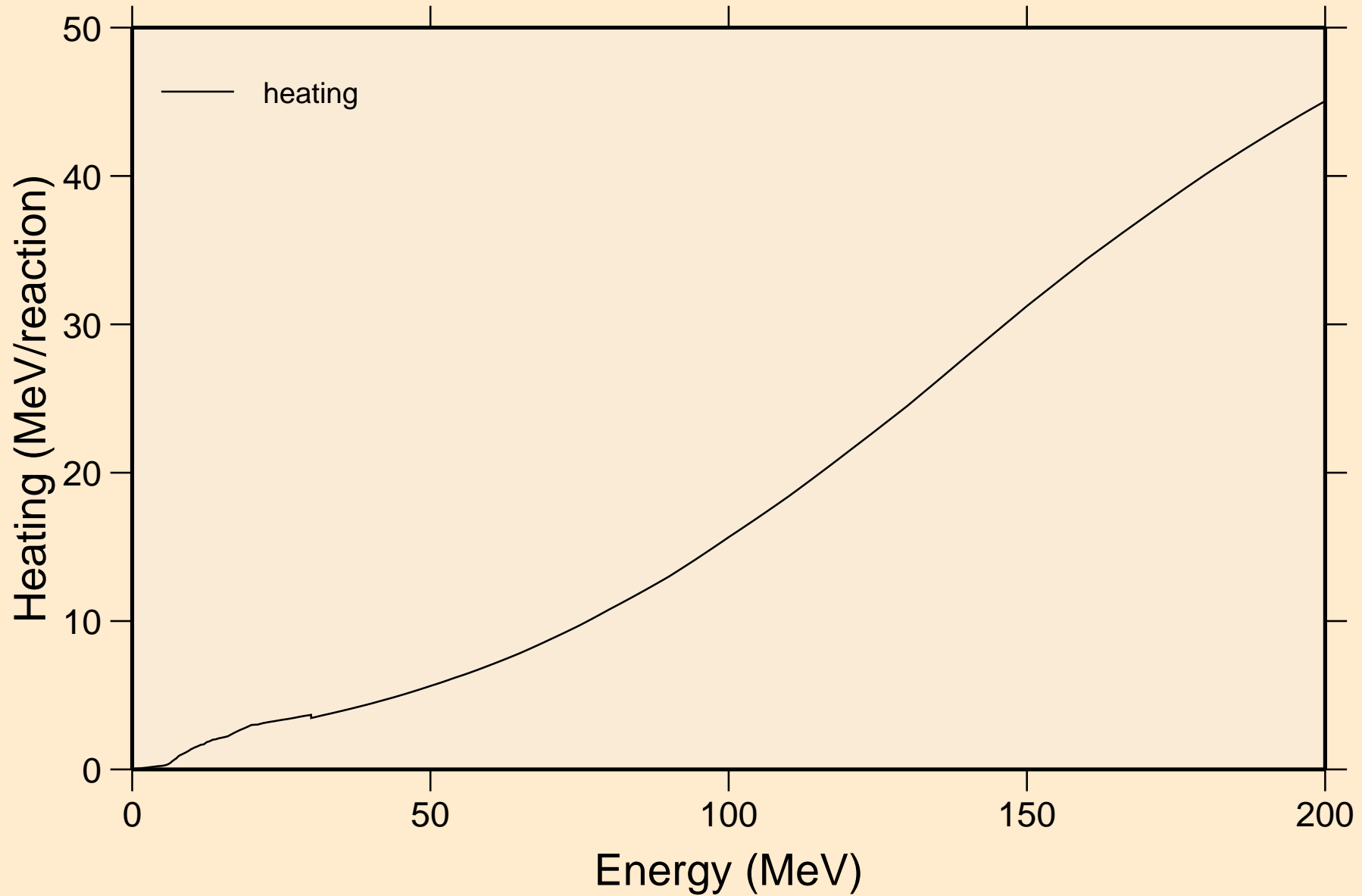
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## Principal cross sections

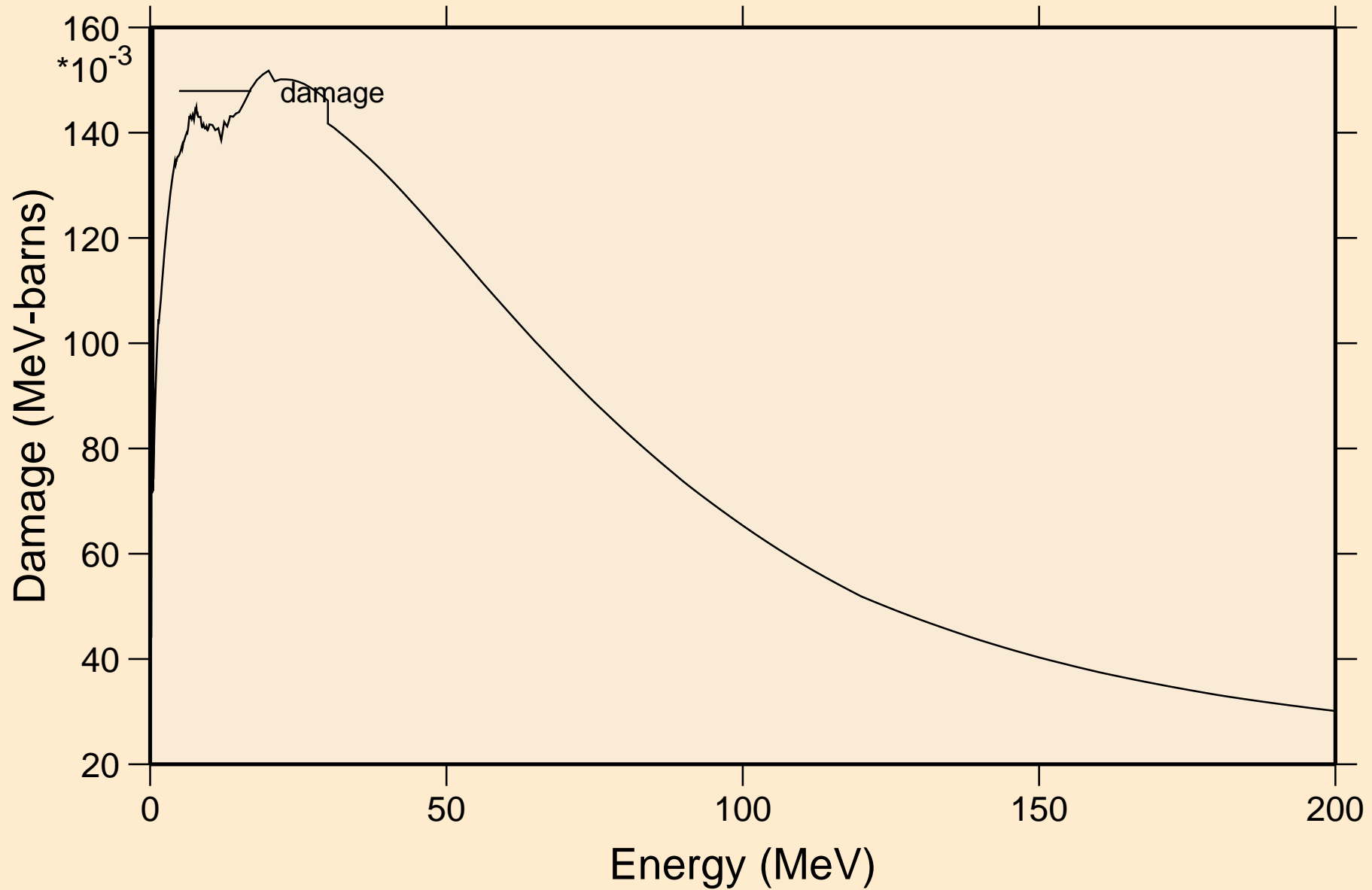


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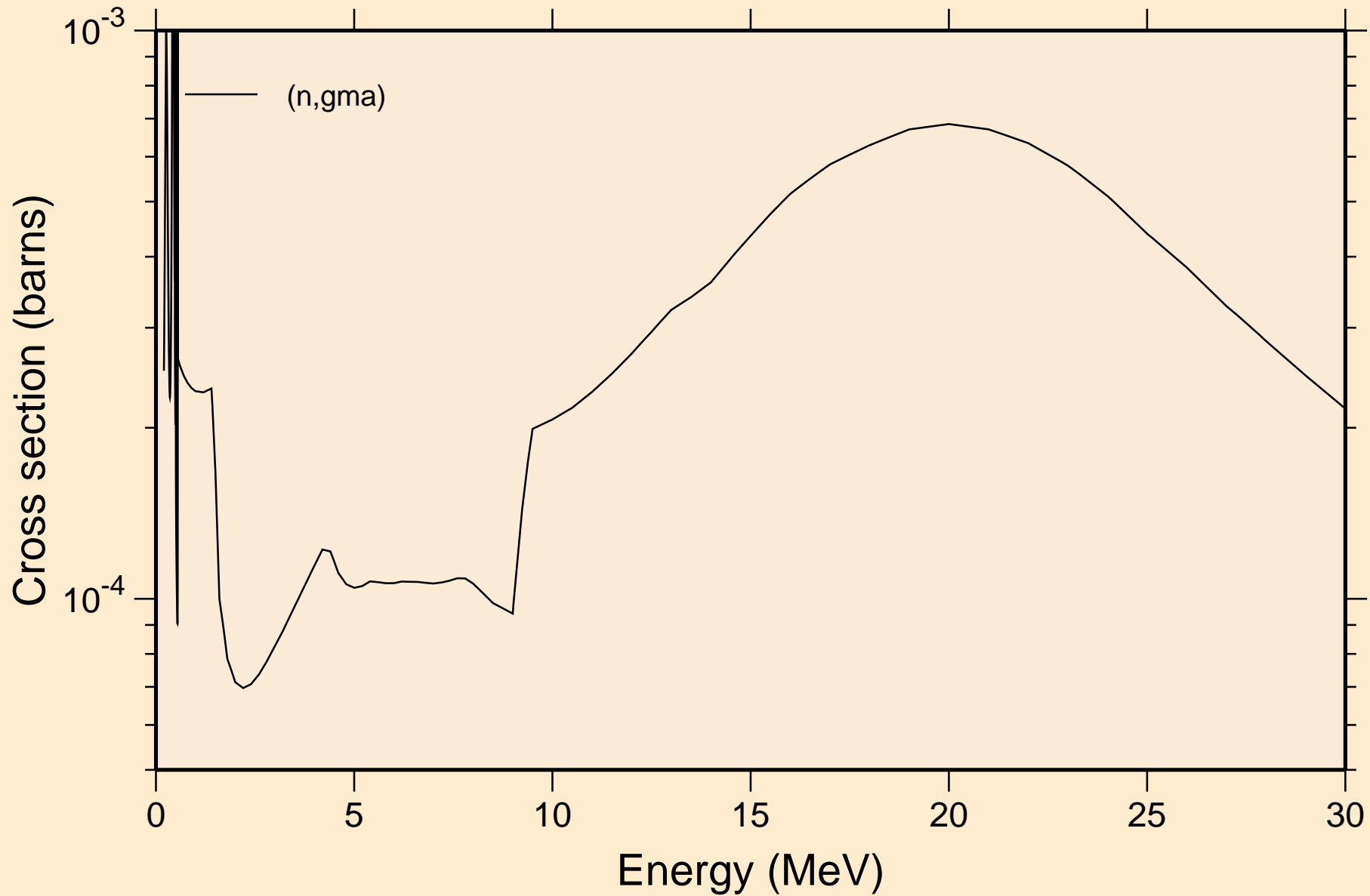
## Heating



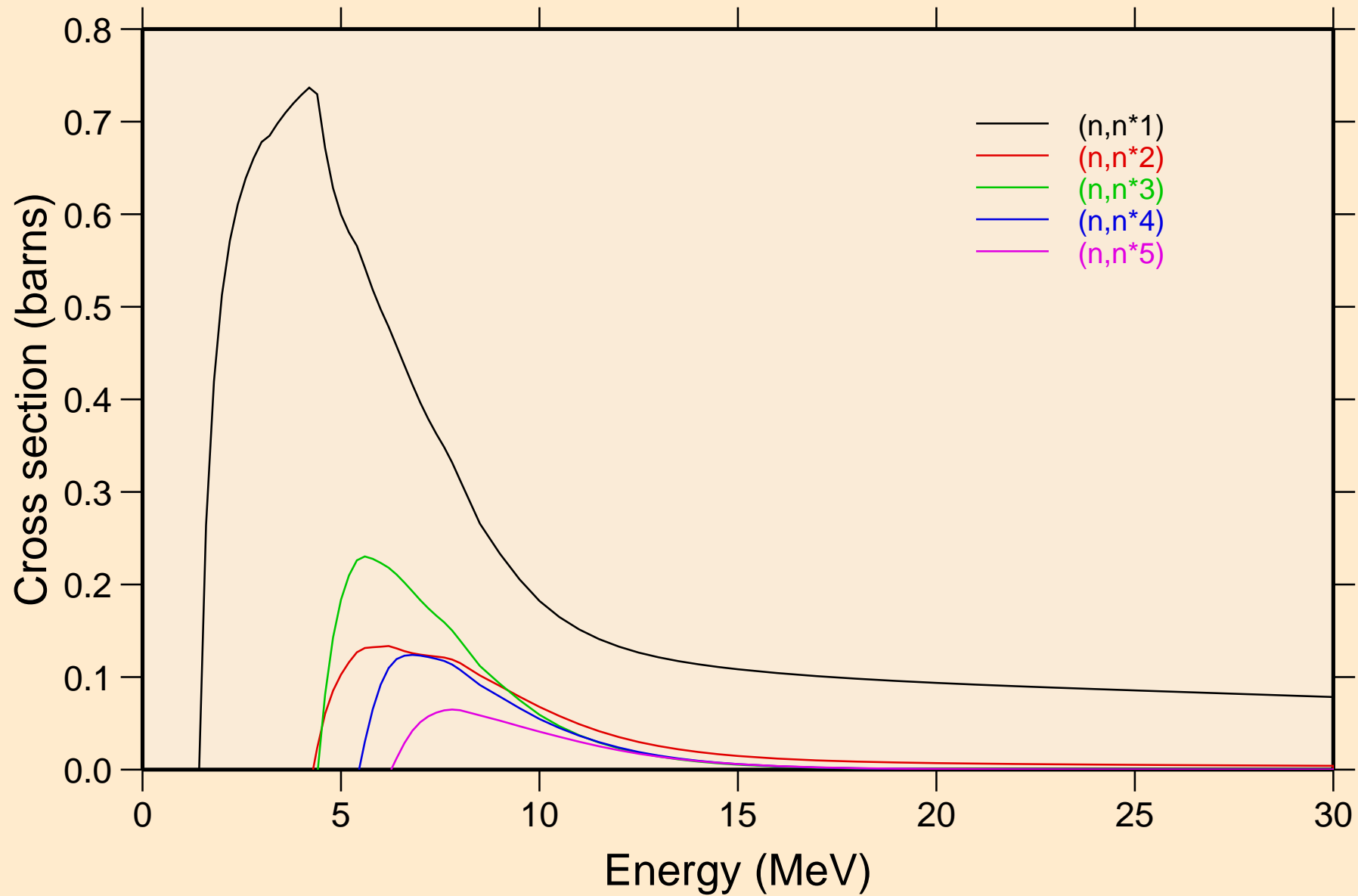
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Damage



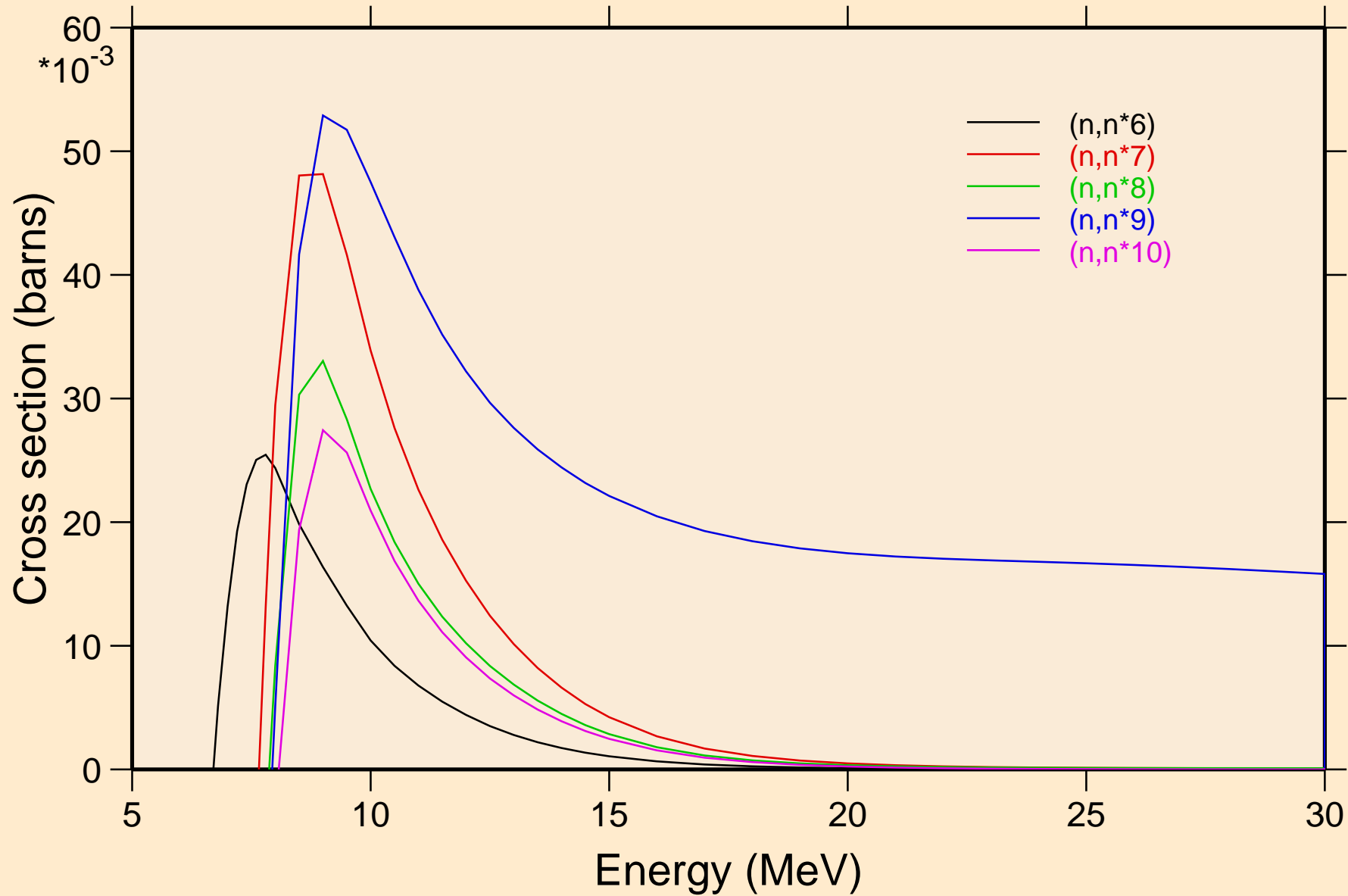
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

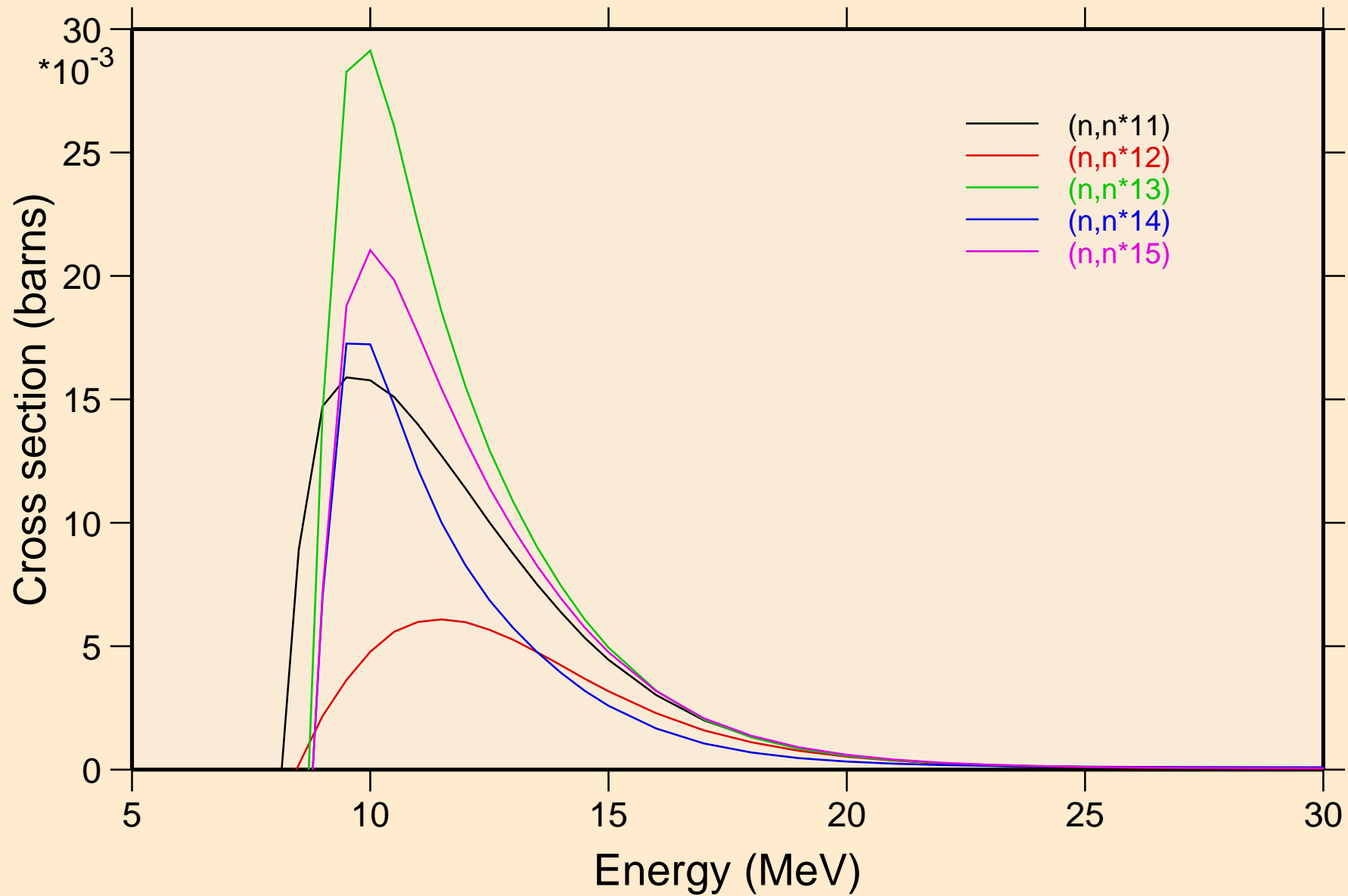


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

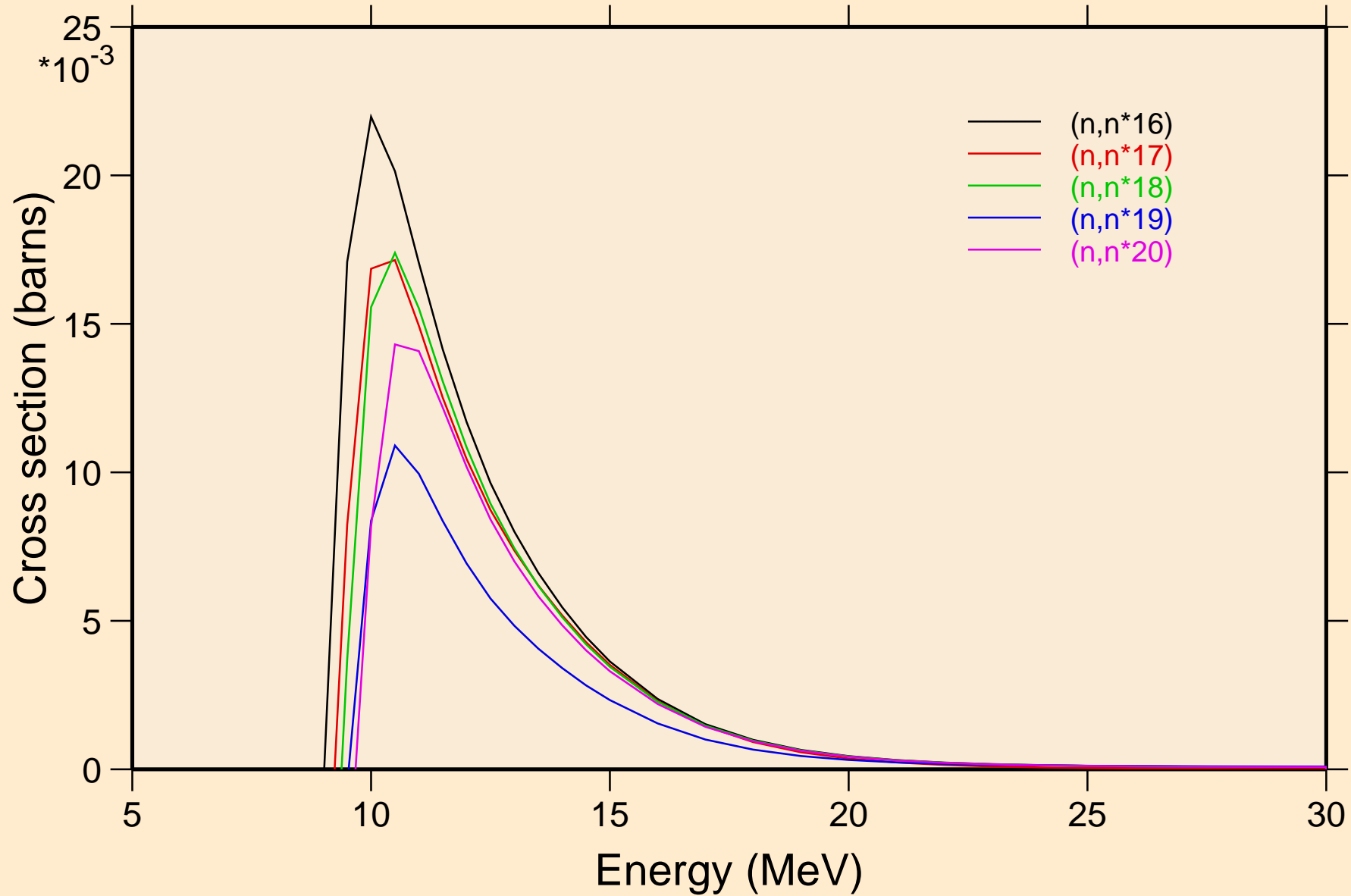




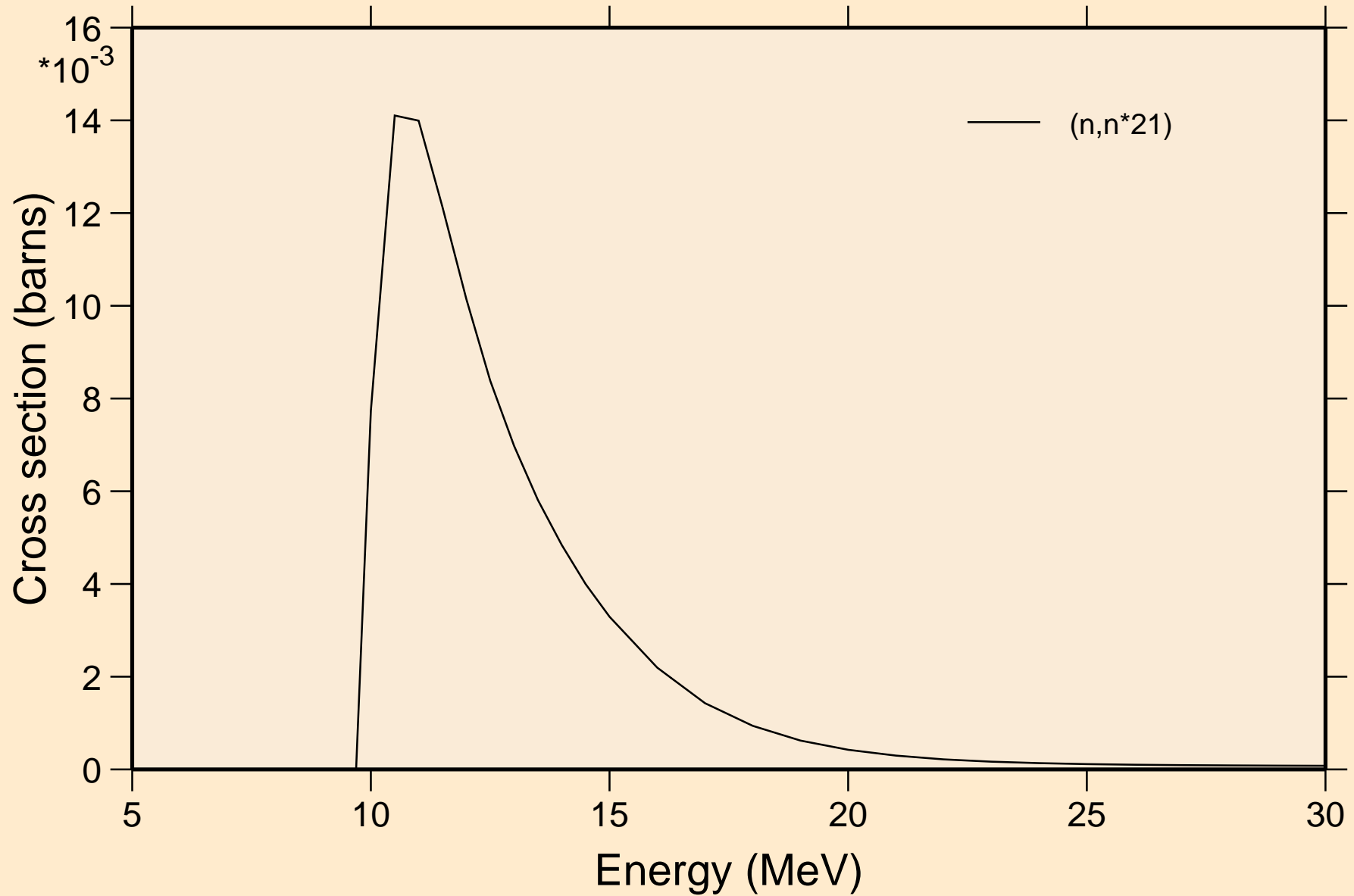
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

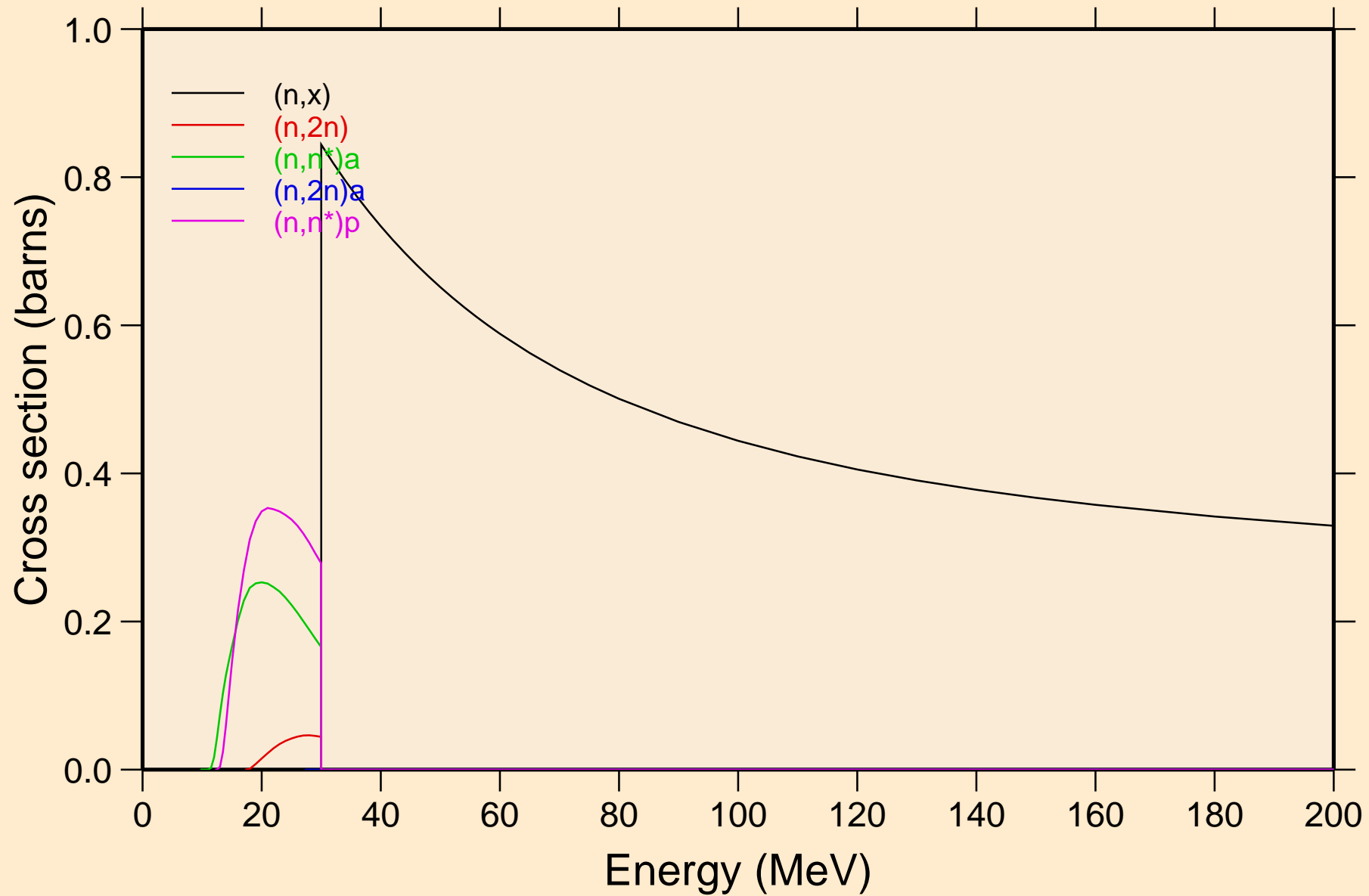


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Inelastic levels



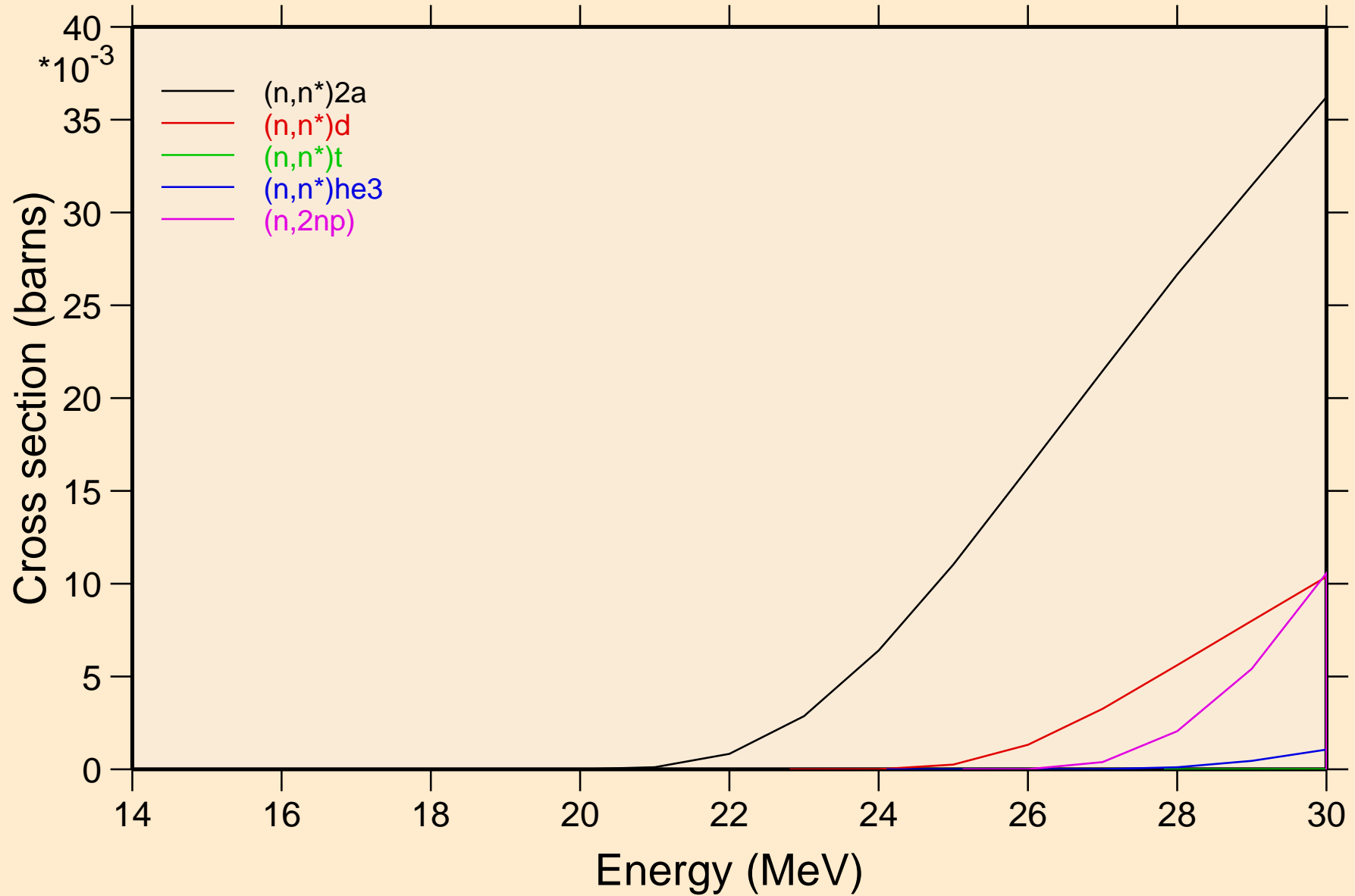
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## Threshold reactions



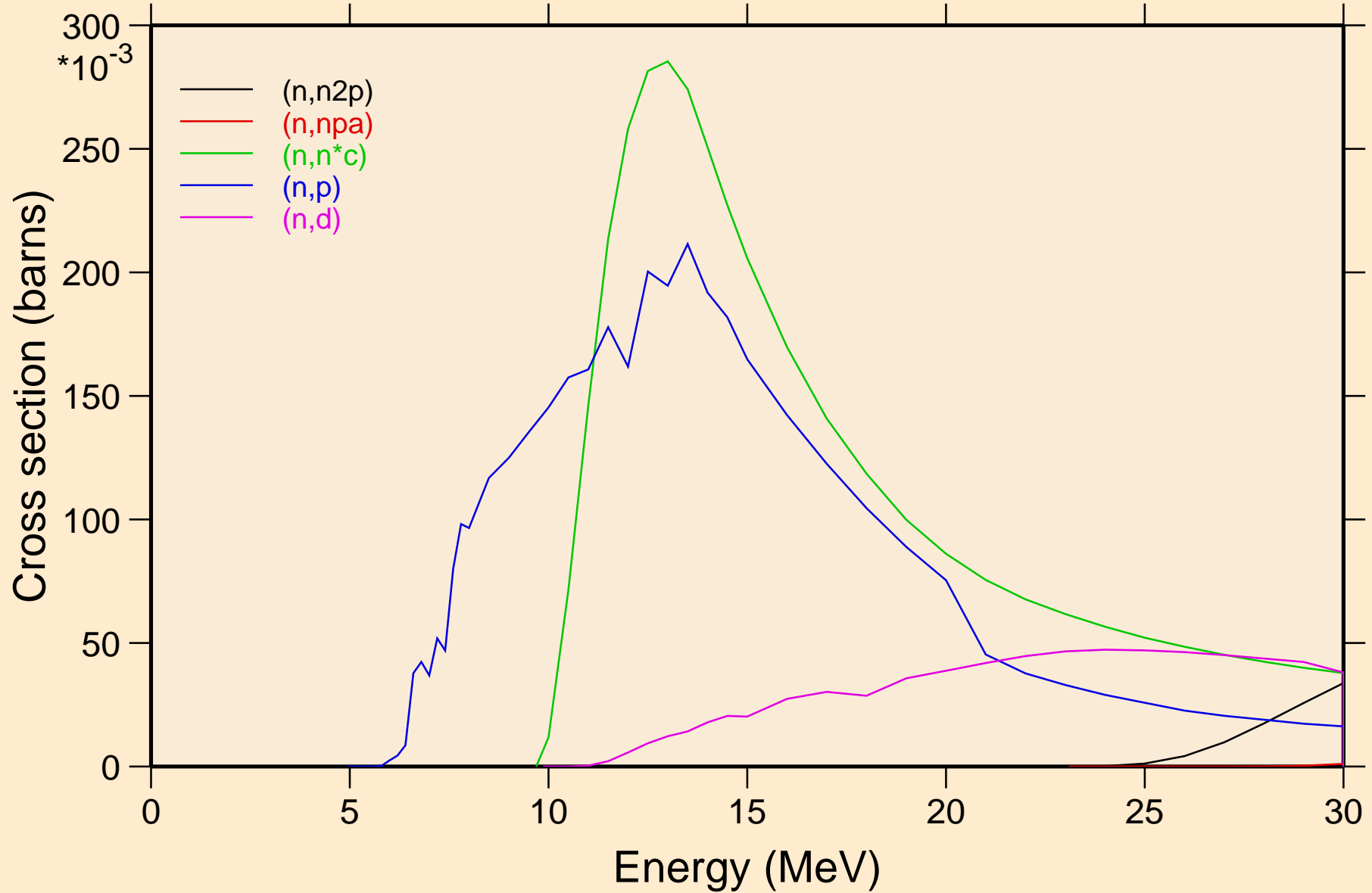
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## Threshold reactions



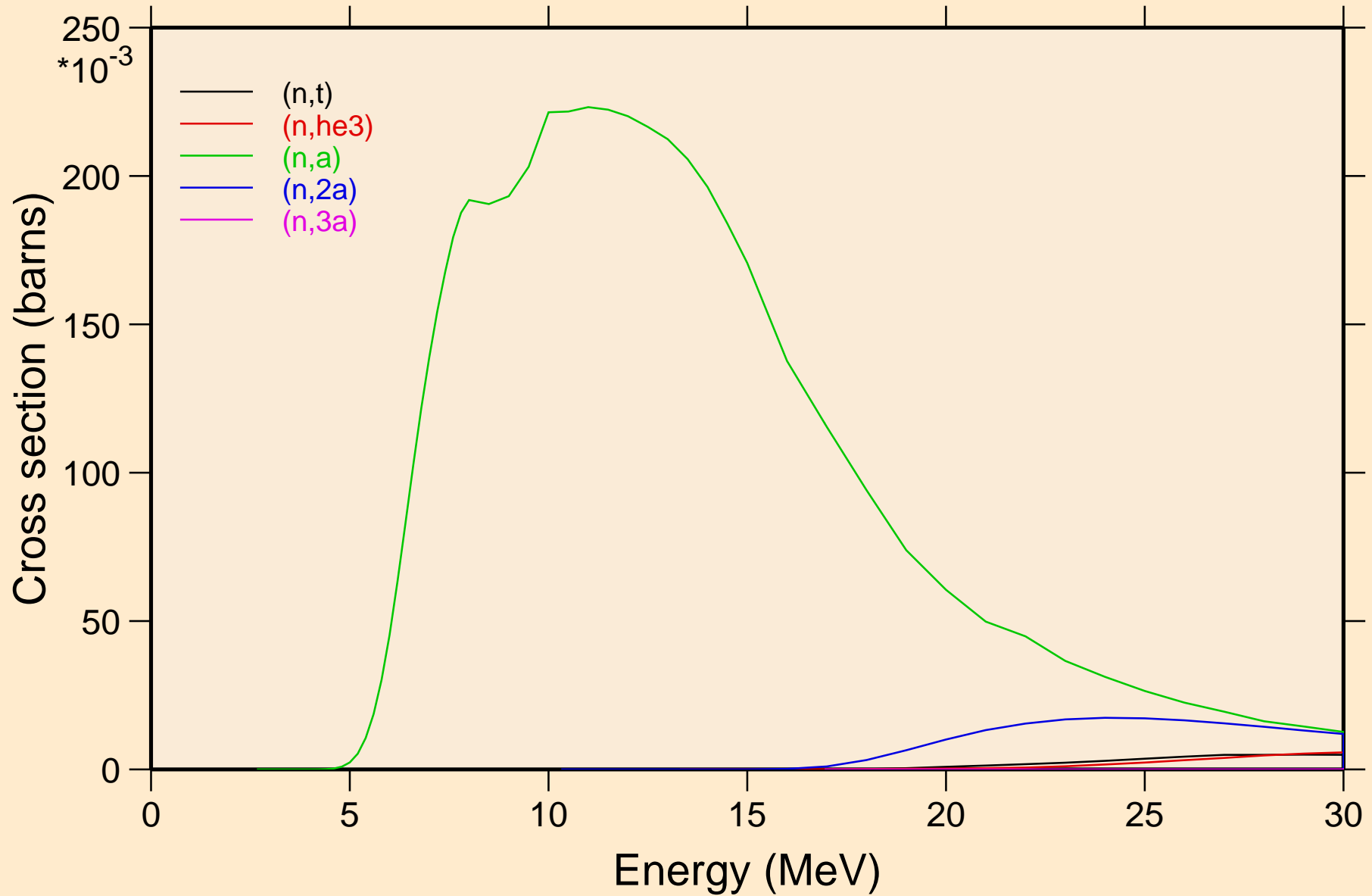
# MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



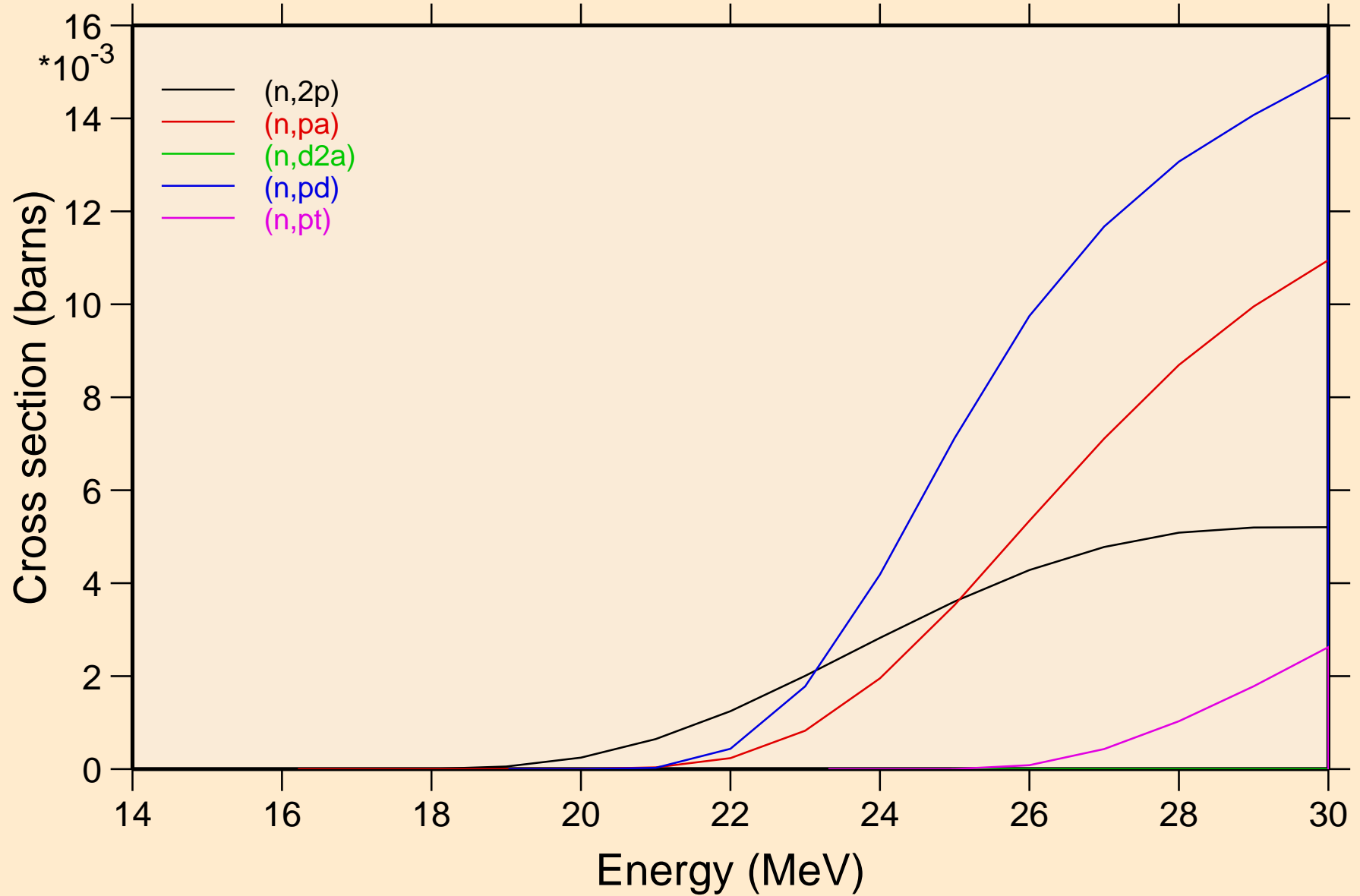
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## Threshold reactions



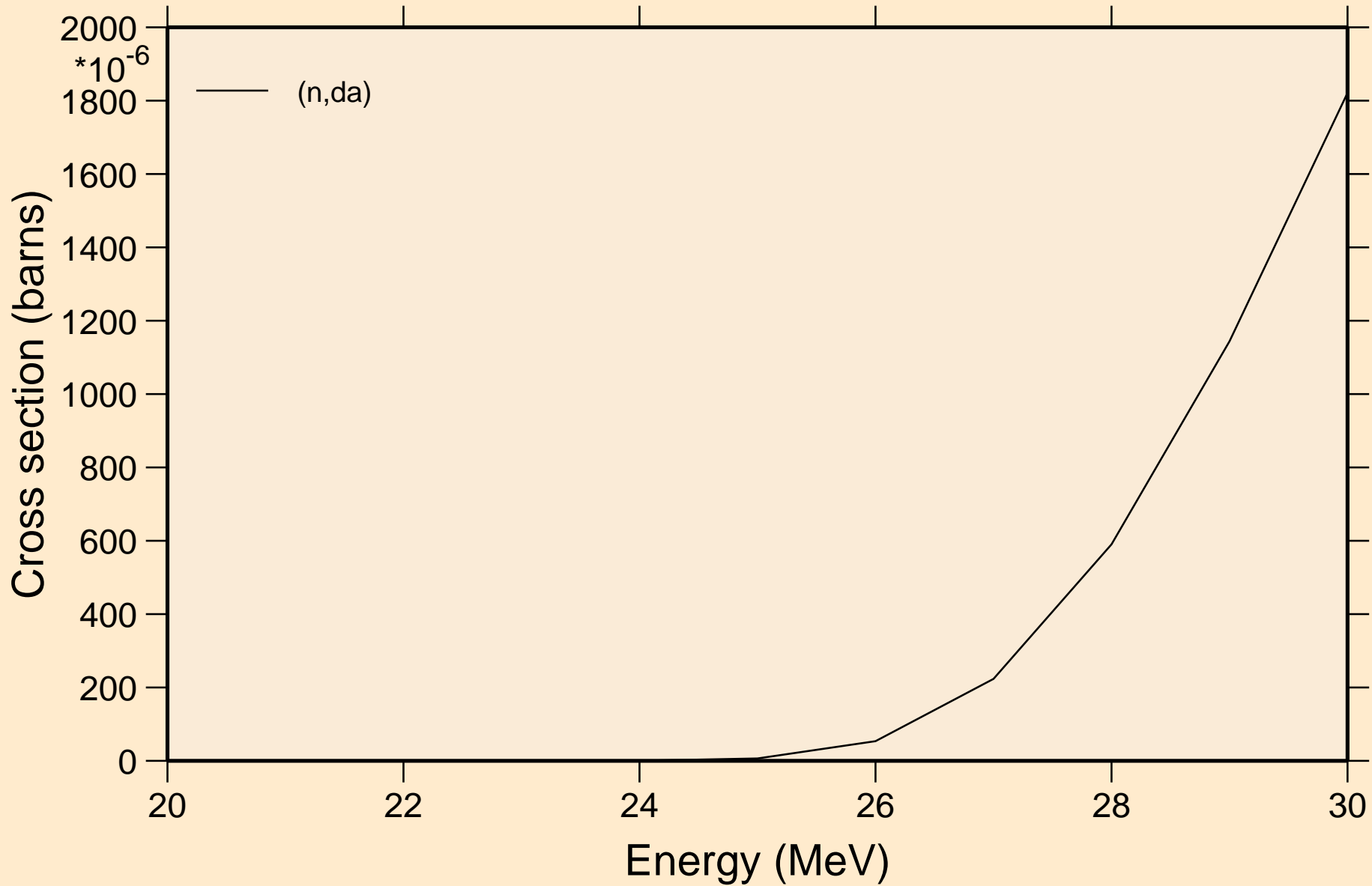
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## Threshold reactions

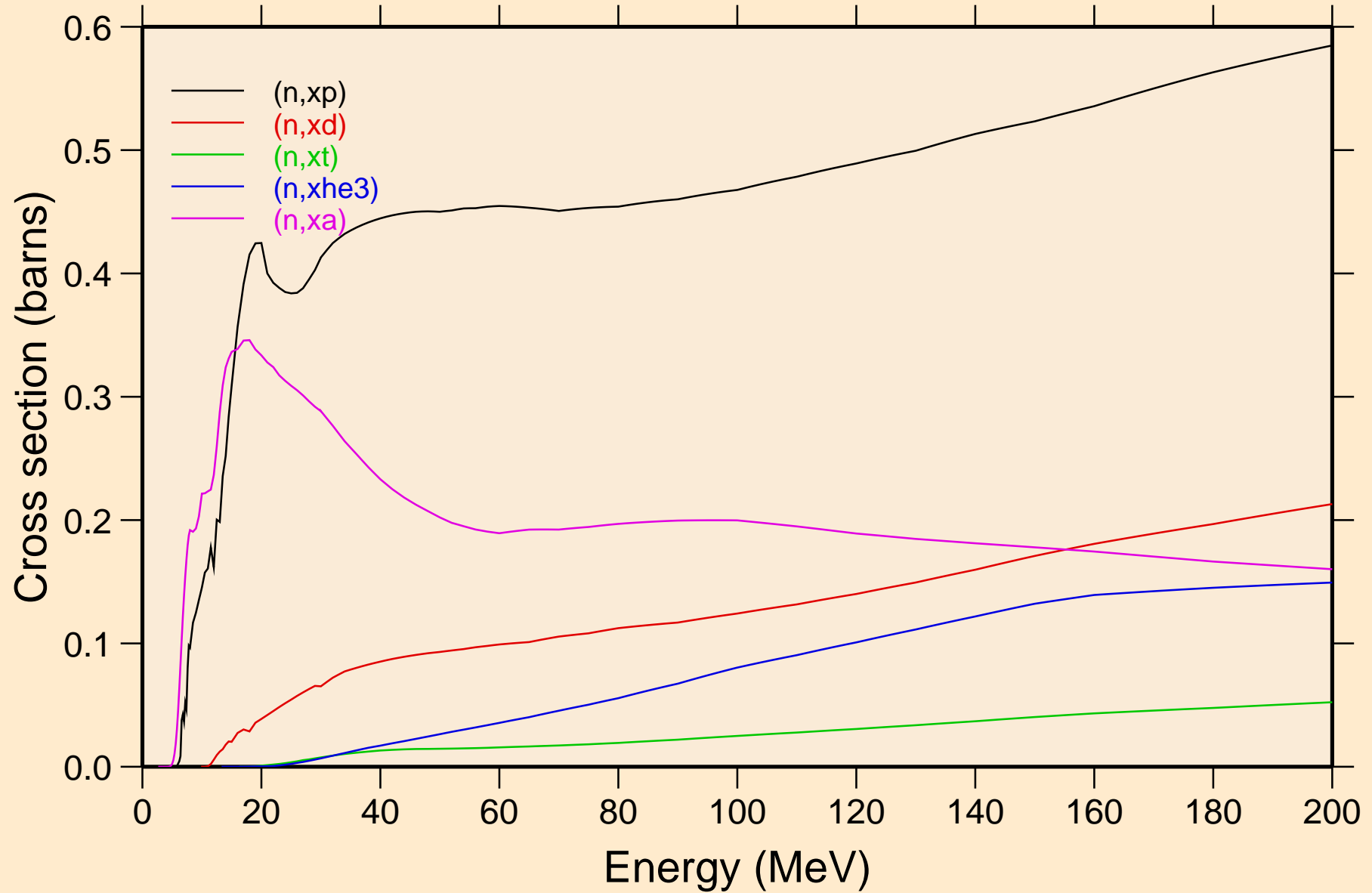




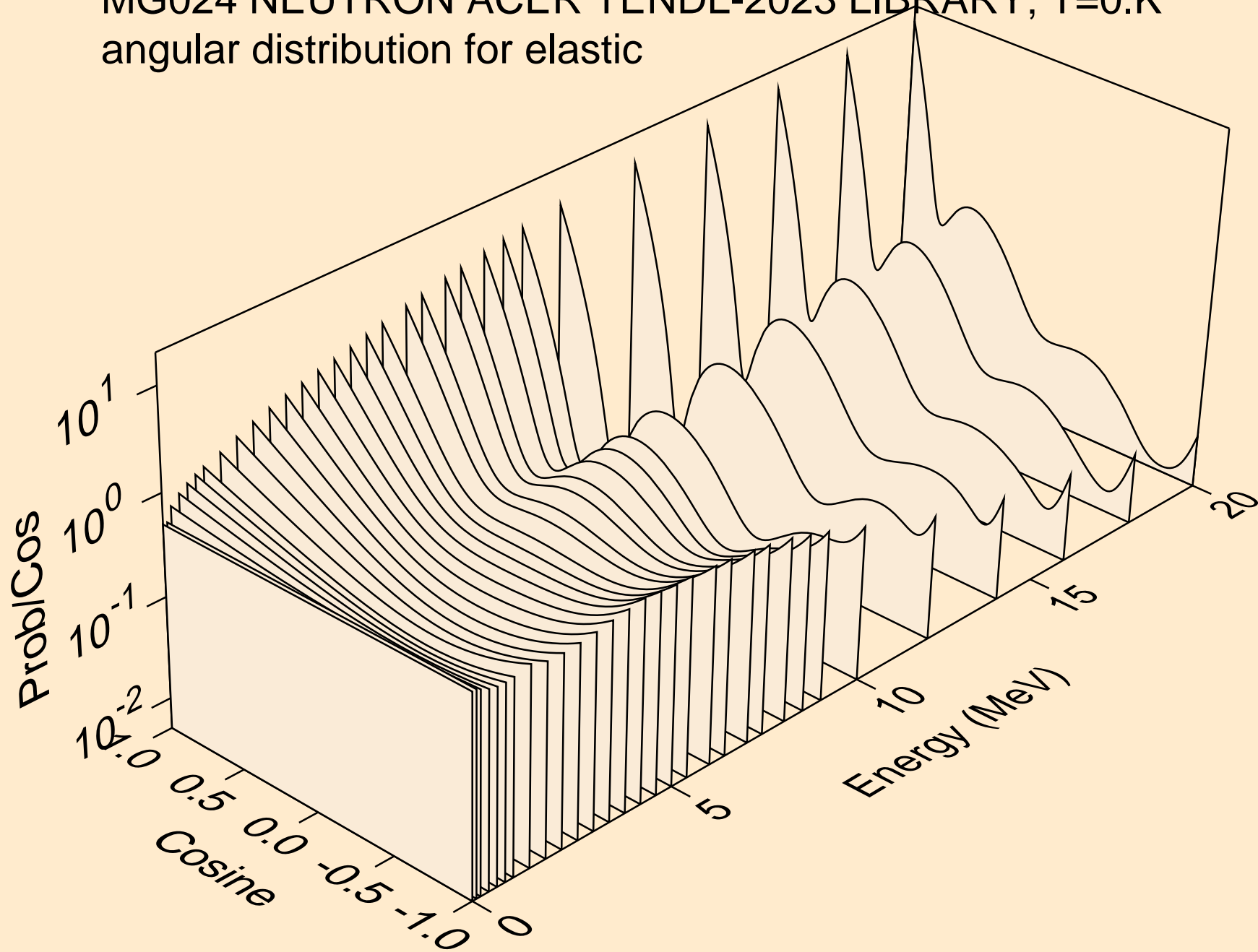
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Threshold reactions



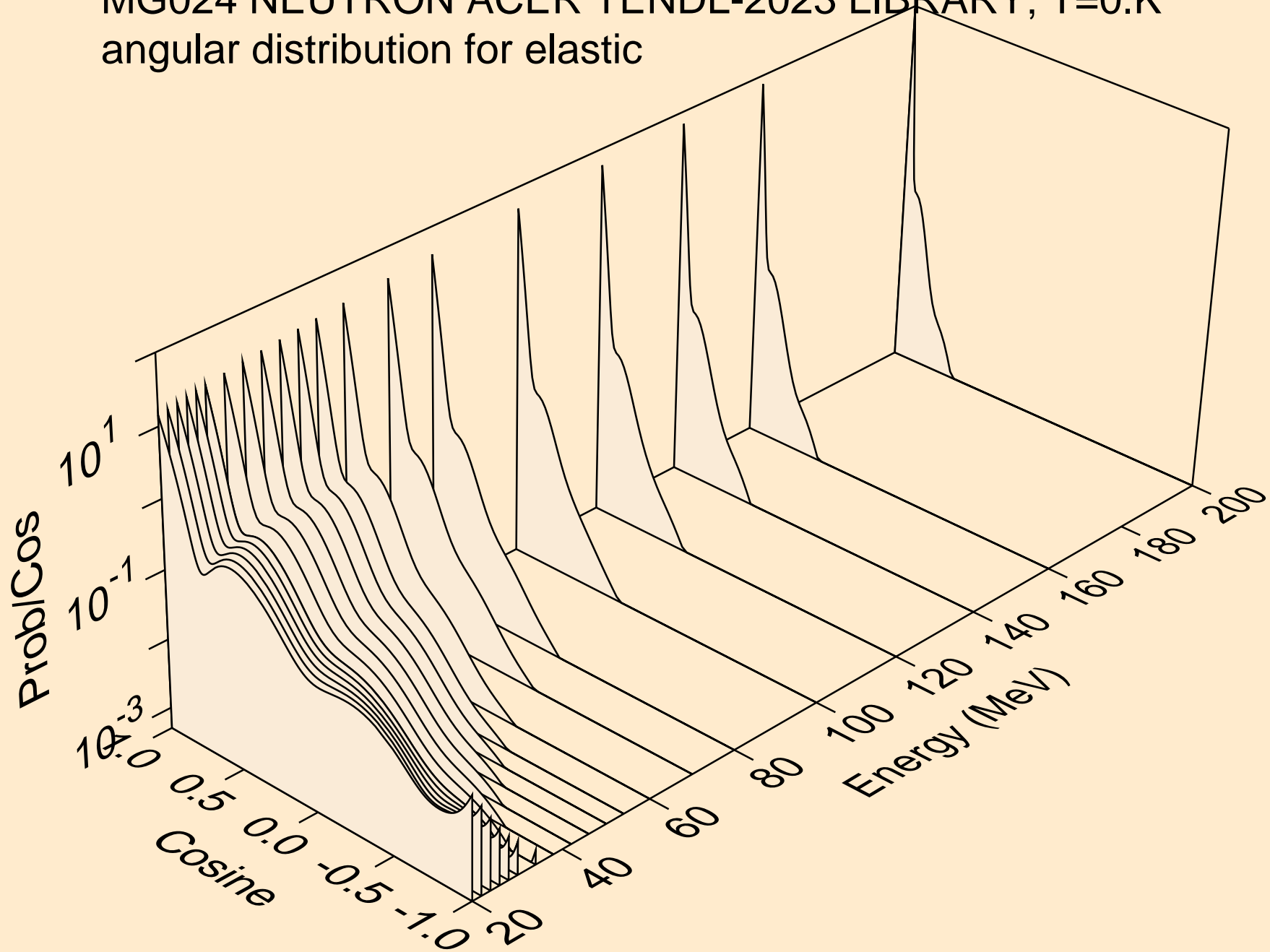
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



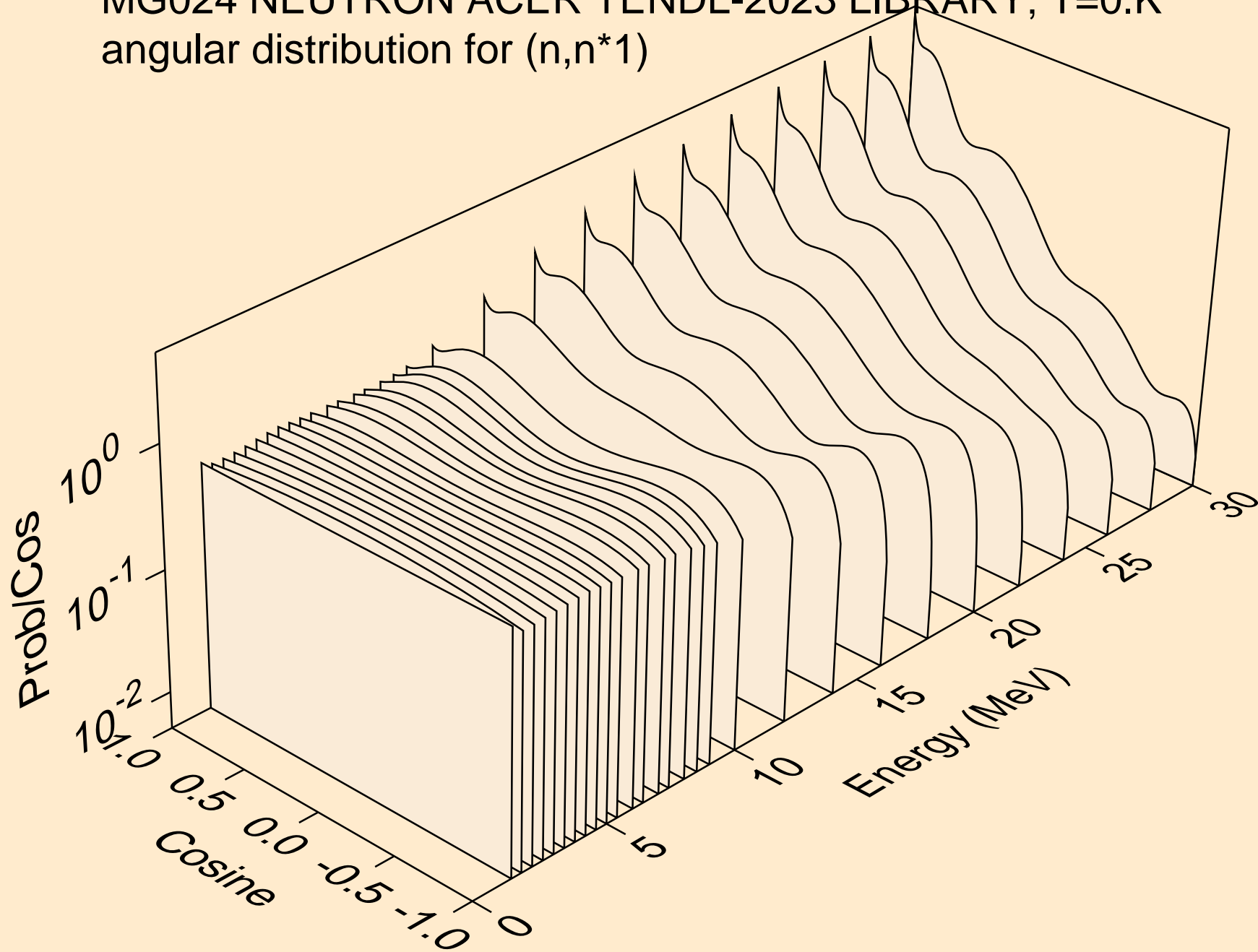
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



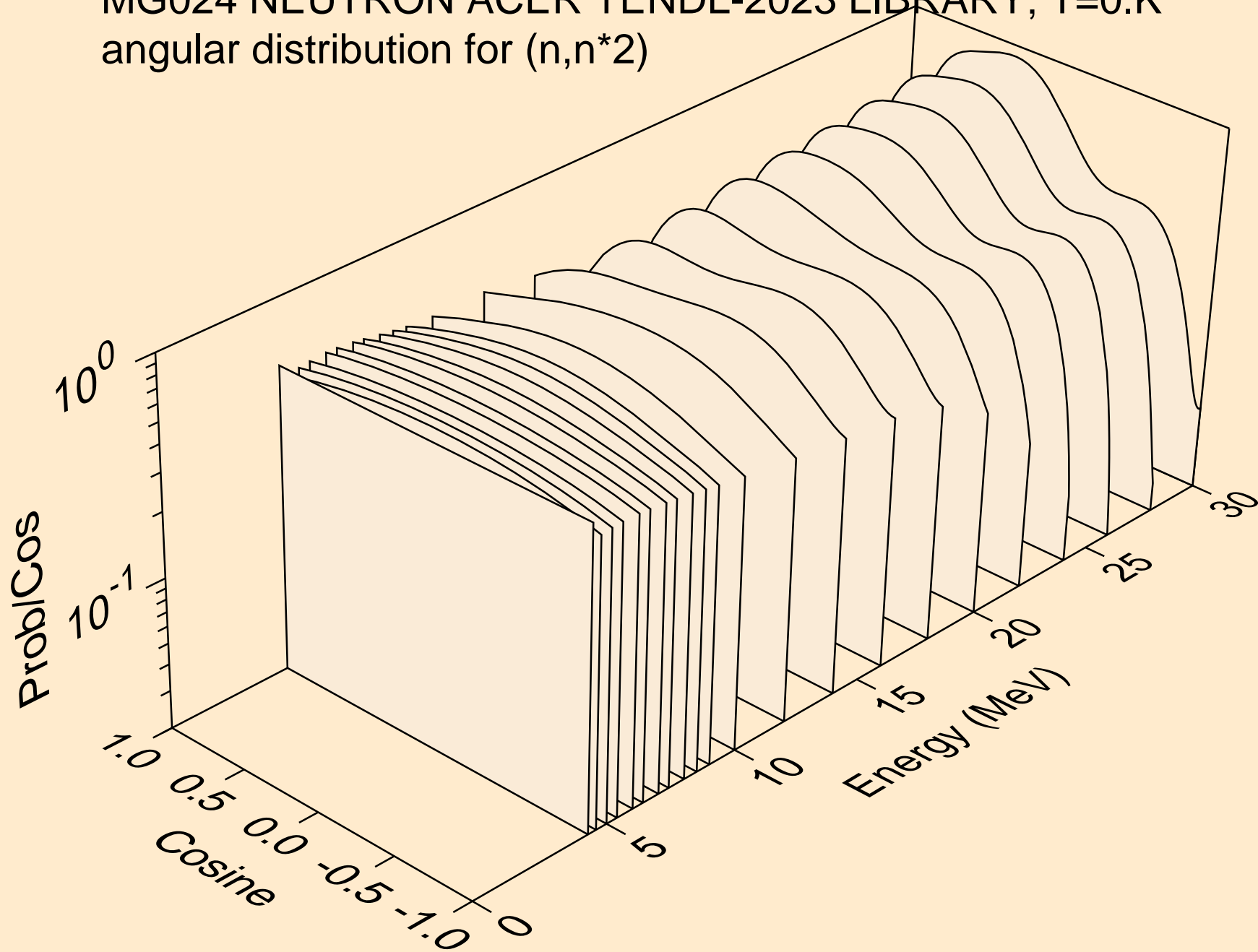
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angular distribution for elastic



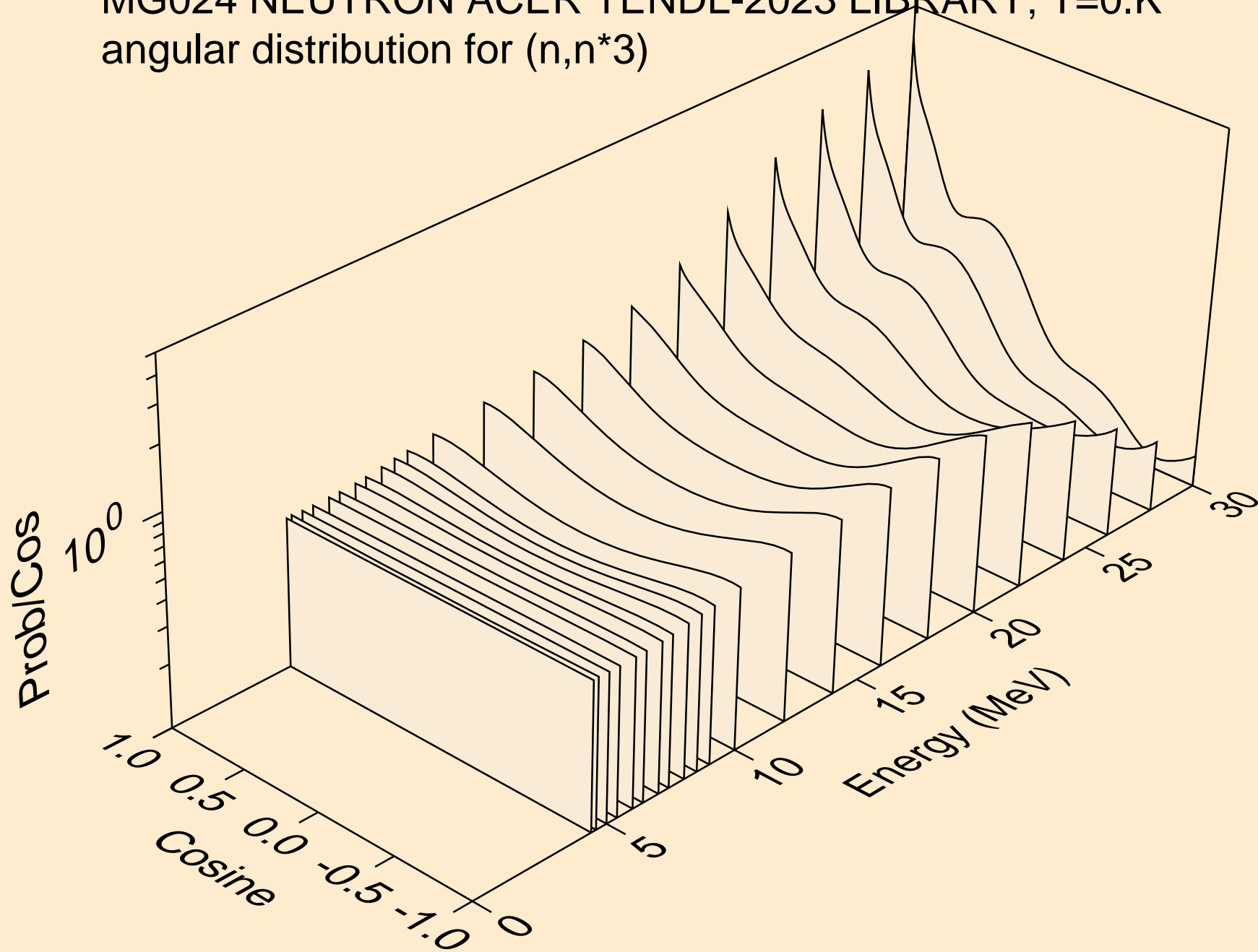
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



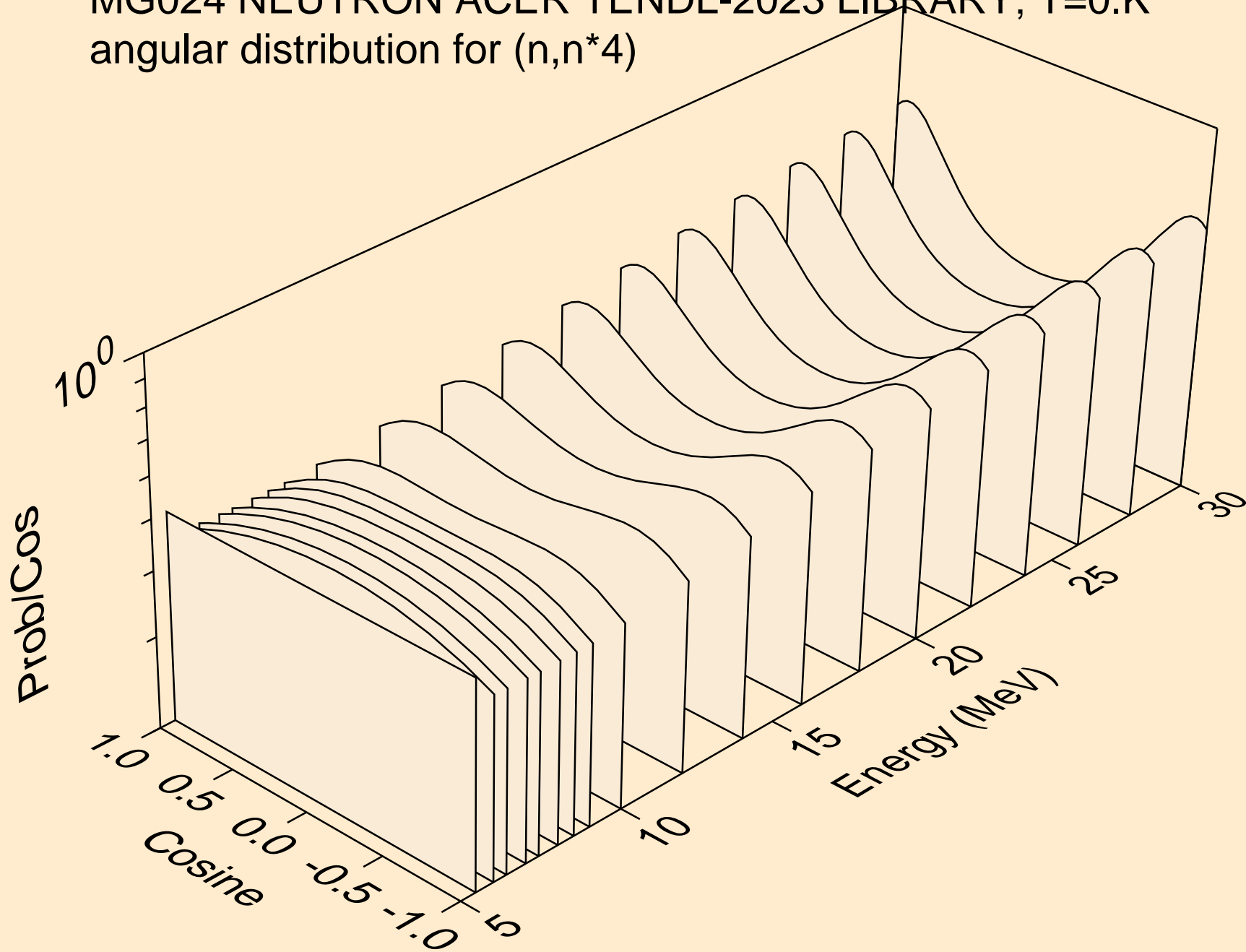
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

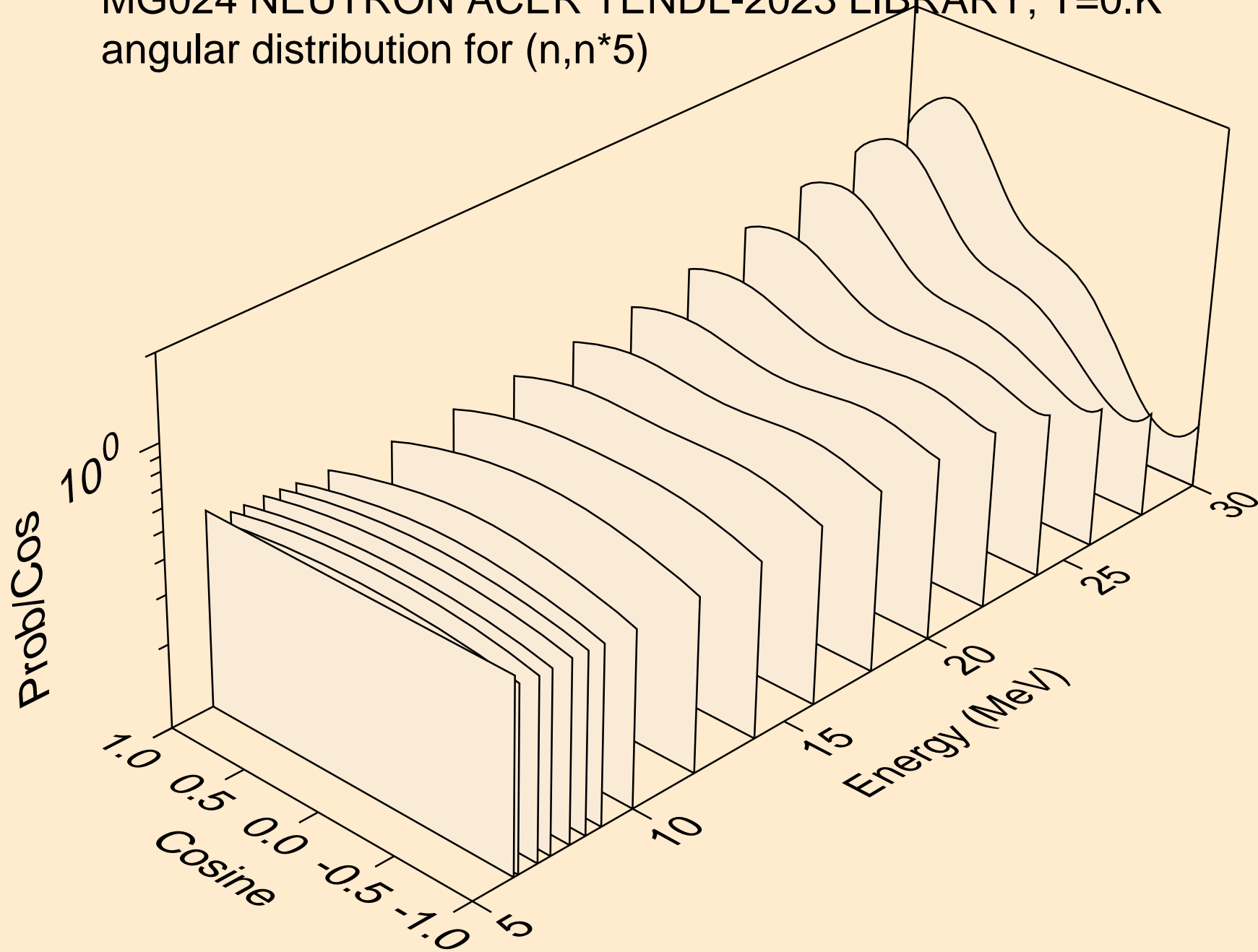


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angular distribution for (n,n\*4)

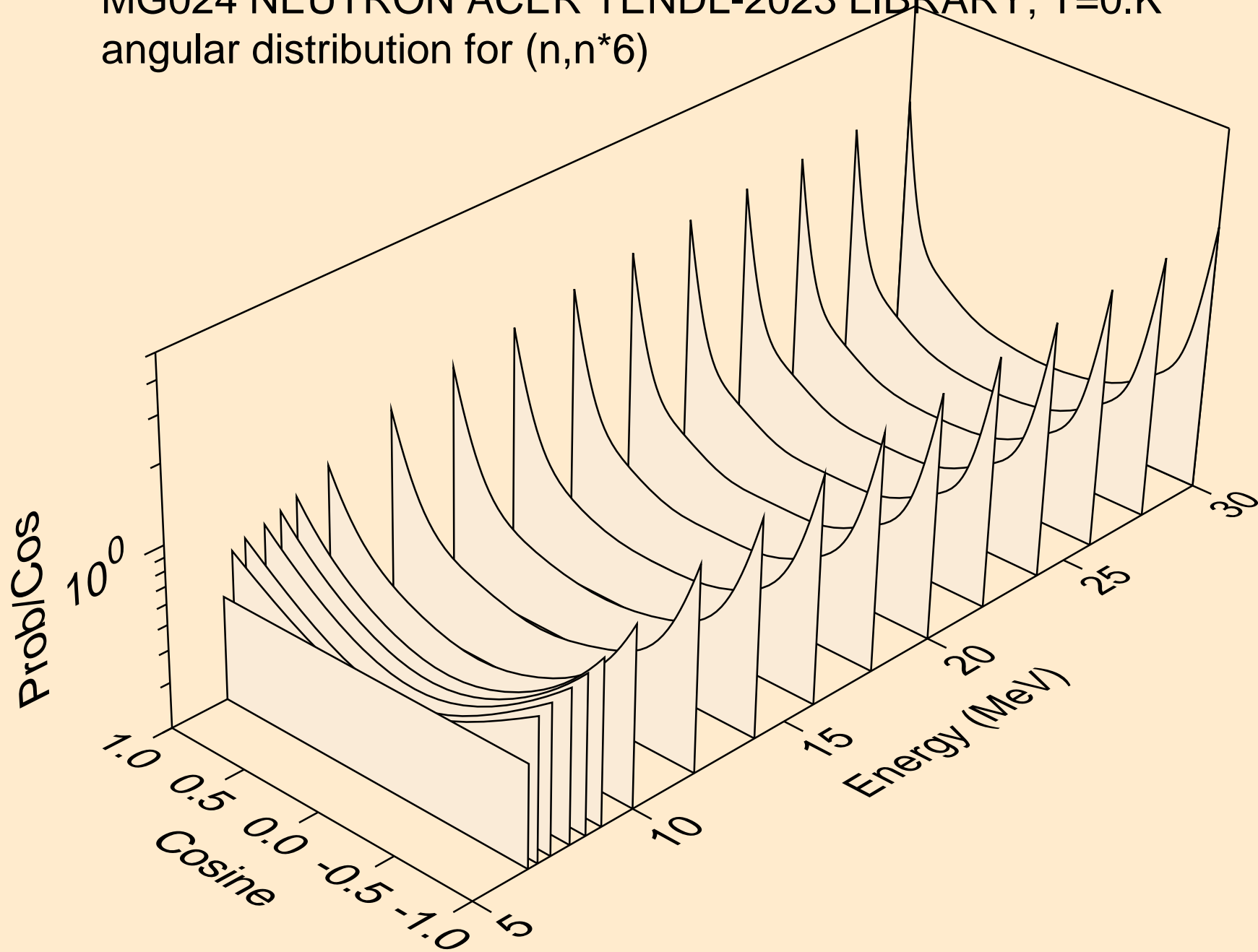




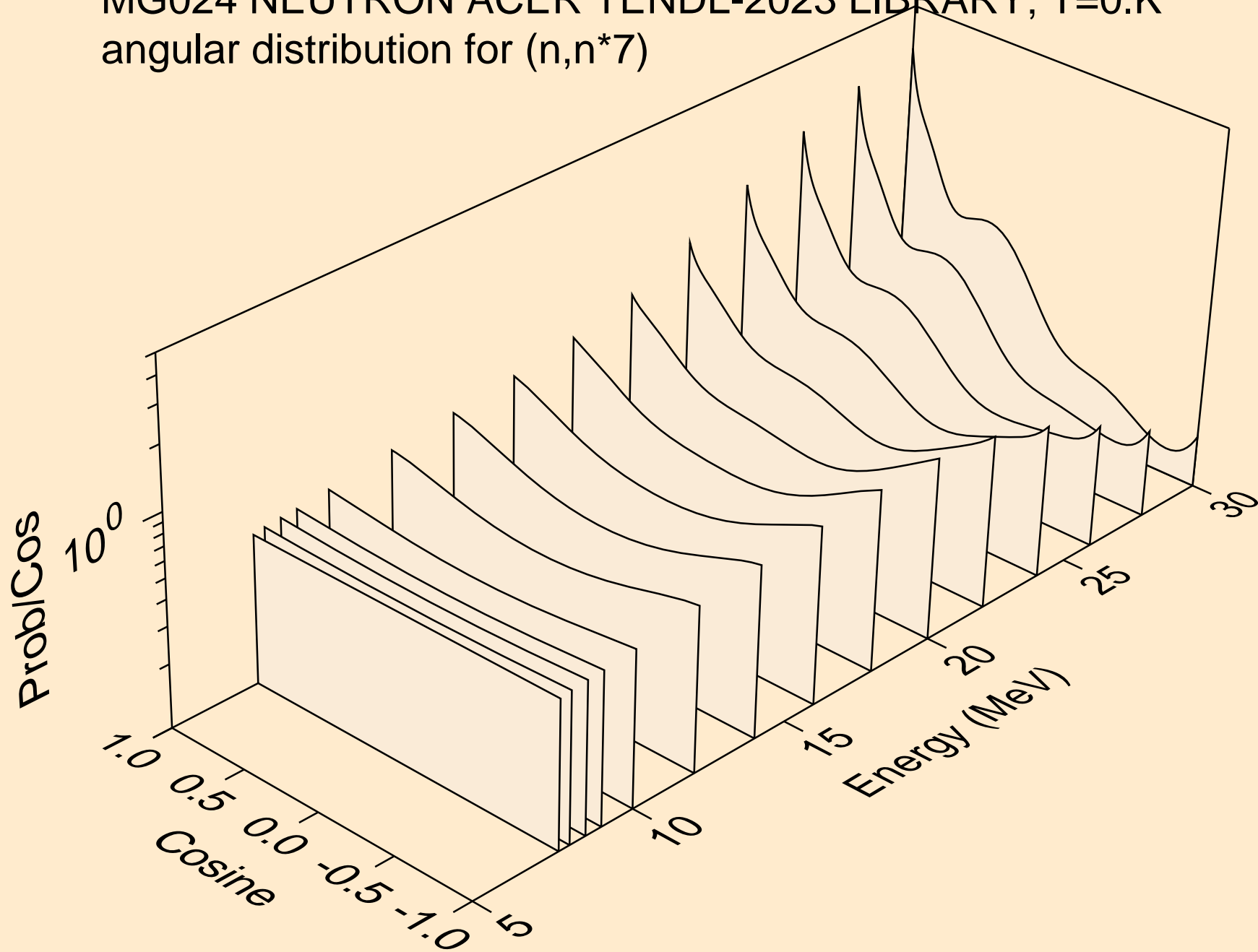
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angular distribution for (n,n\*5)



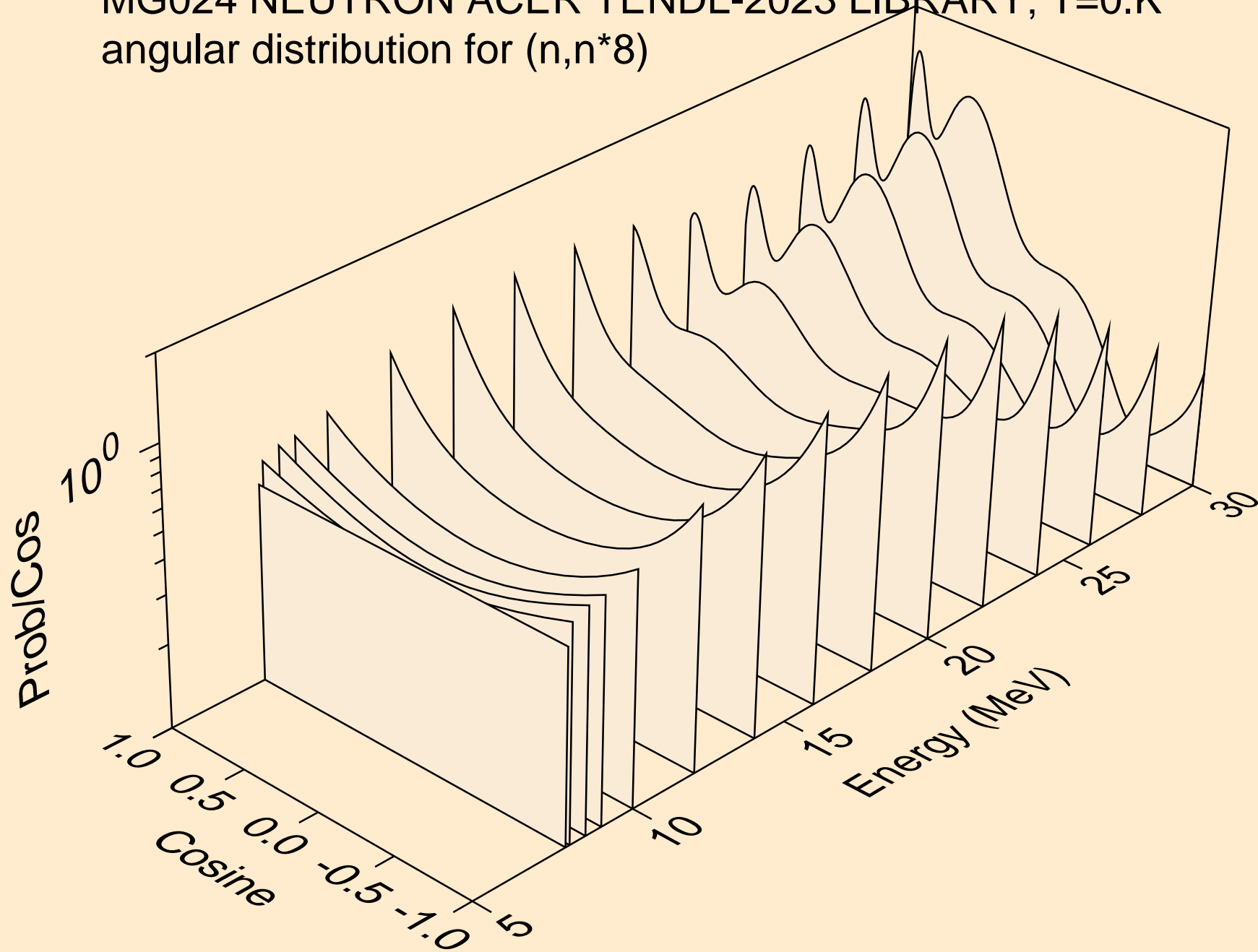
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angular distribution for (n,n\*6)



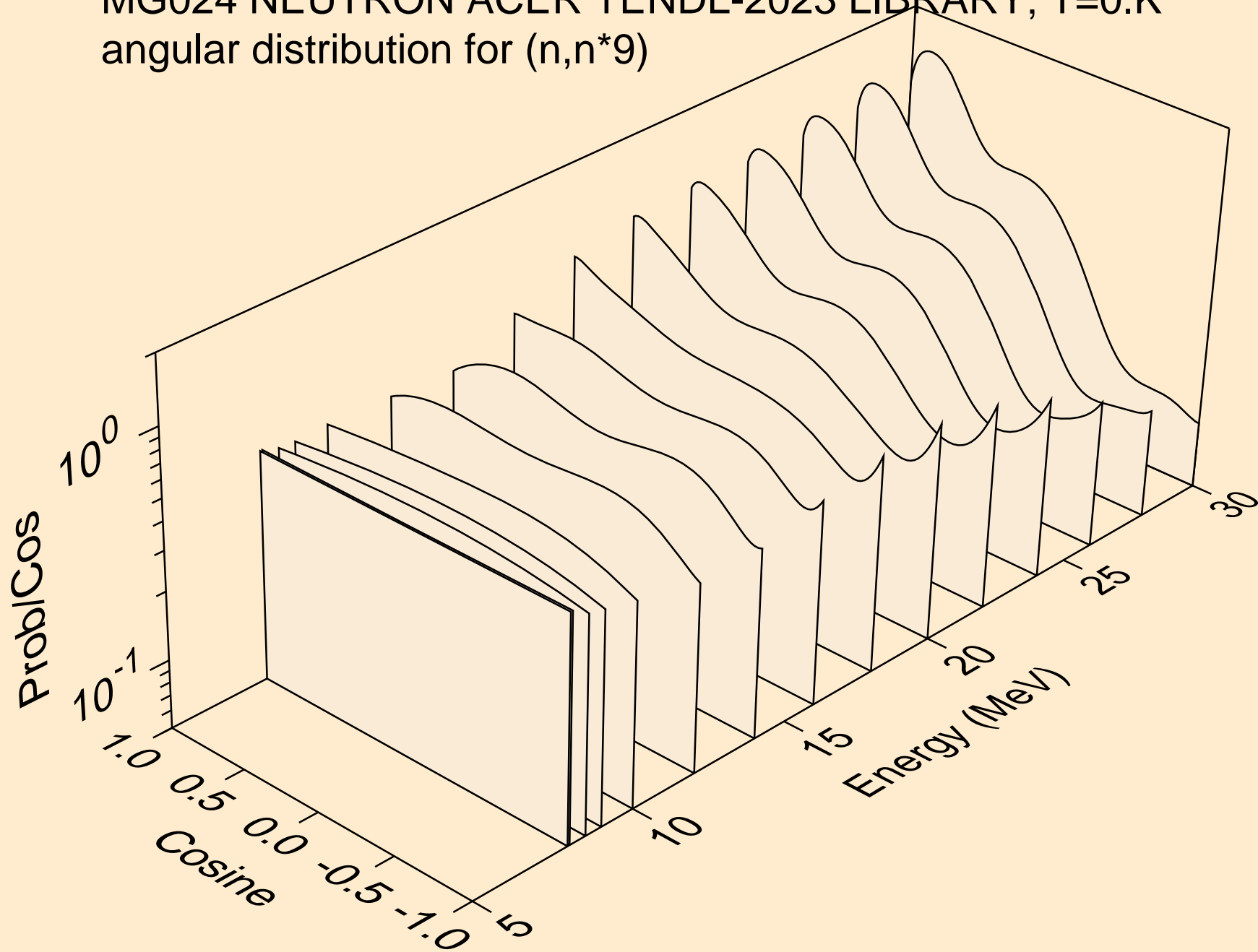
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angular distribution for (n,n\*7)



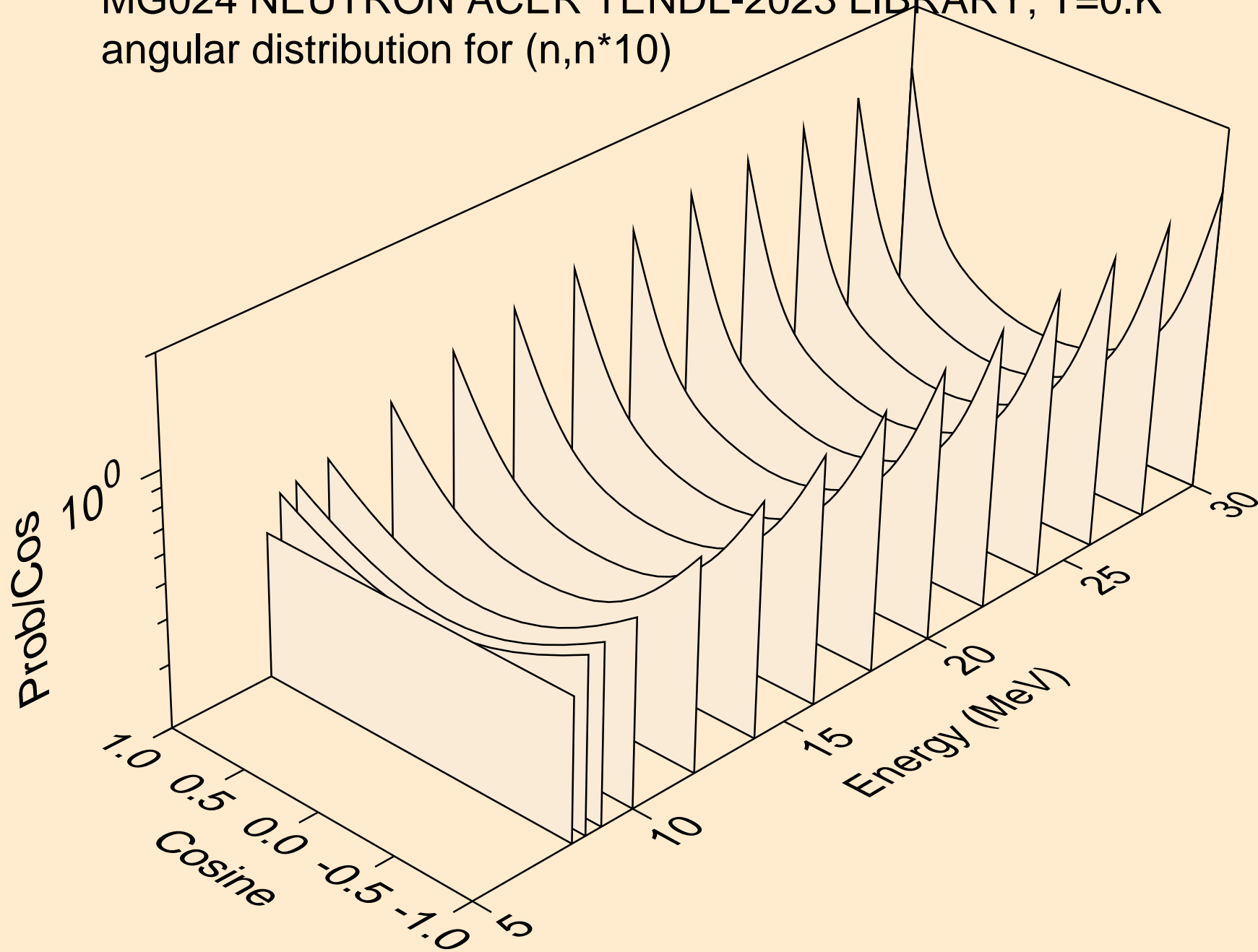
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angular distribution for (n,n\*8)



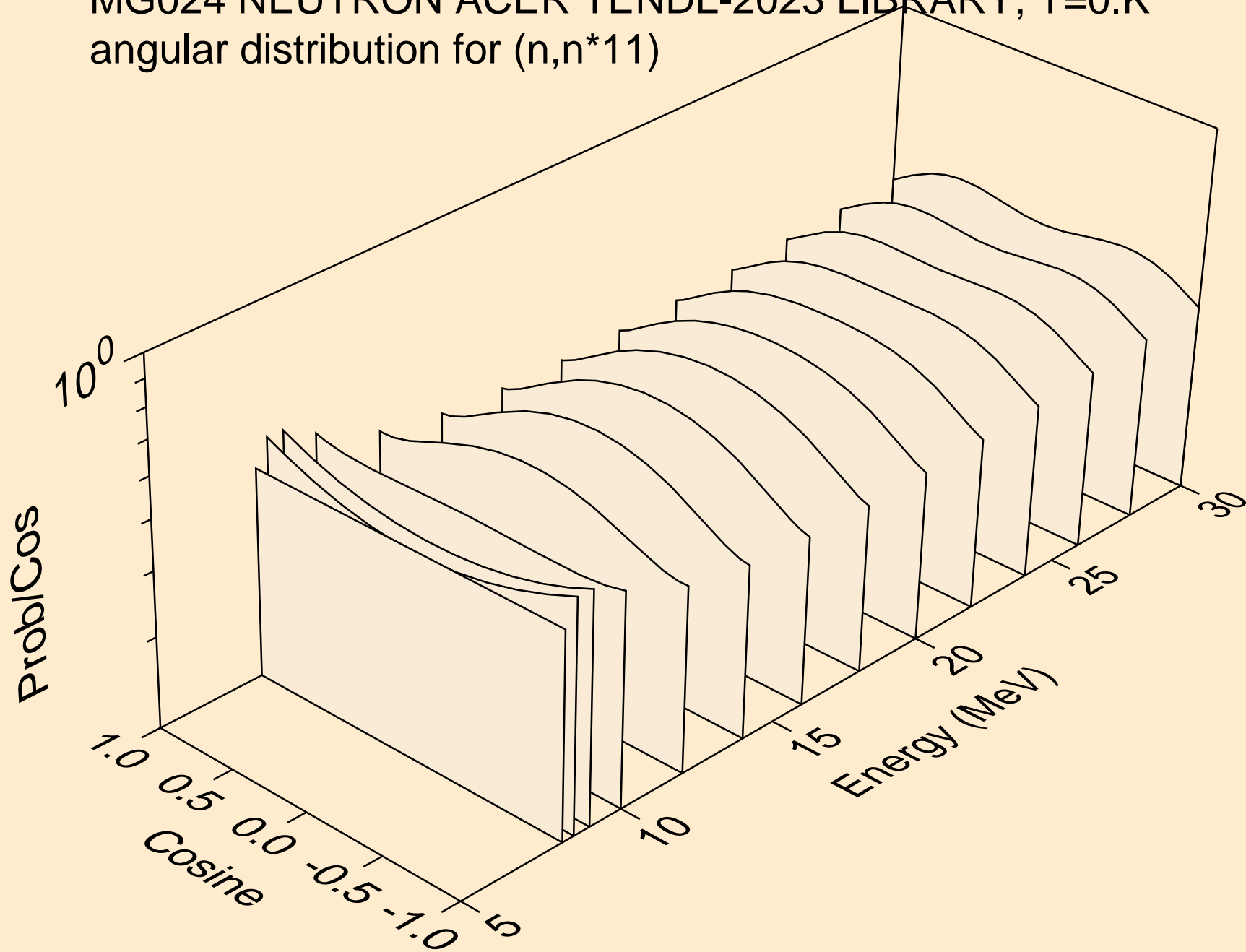
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angular distribution for (n,n\*9)



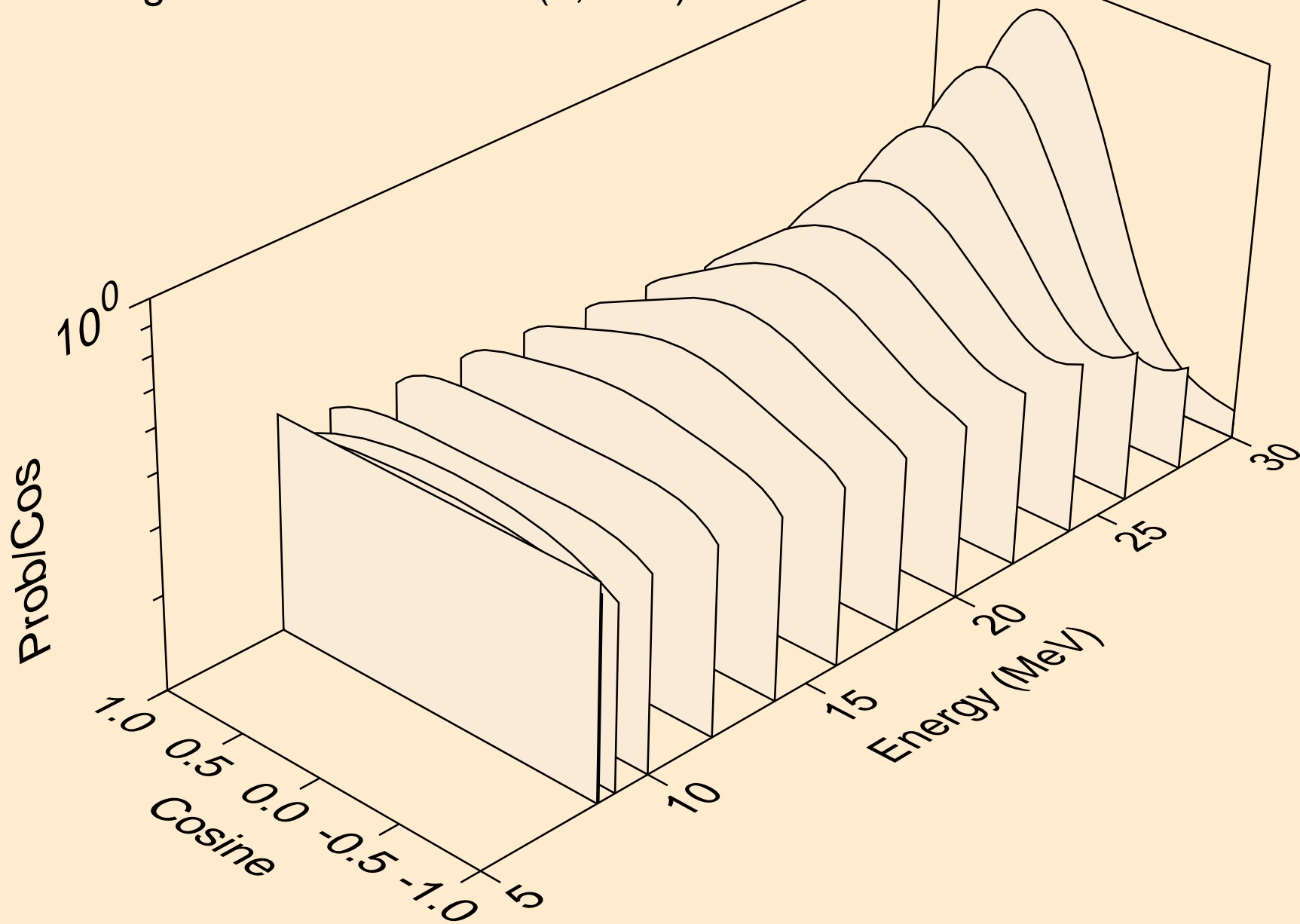
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

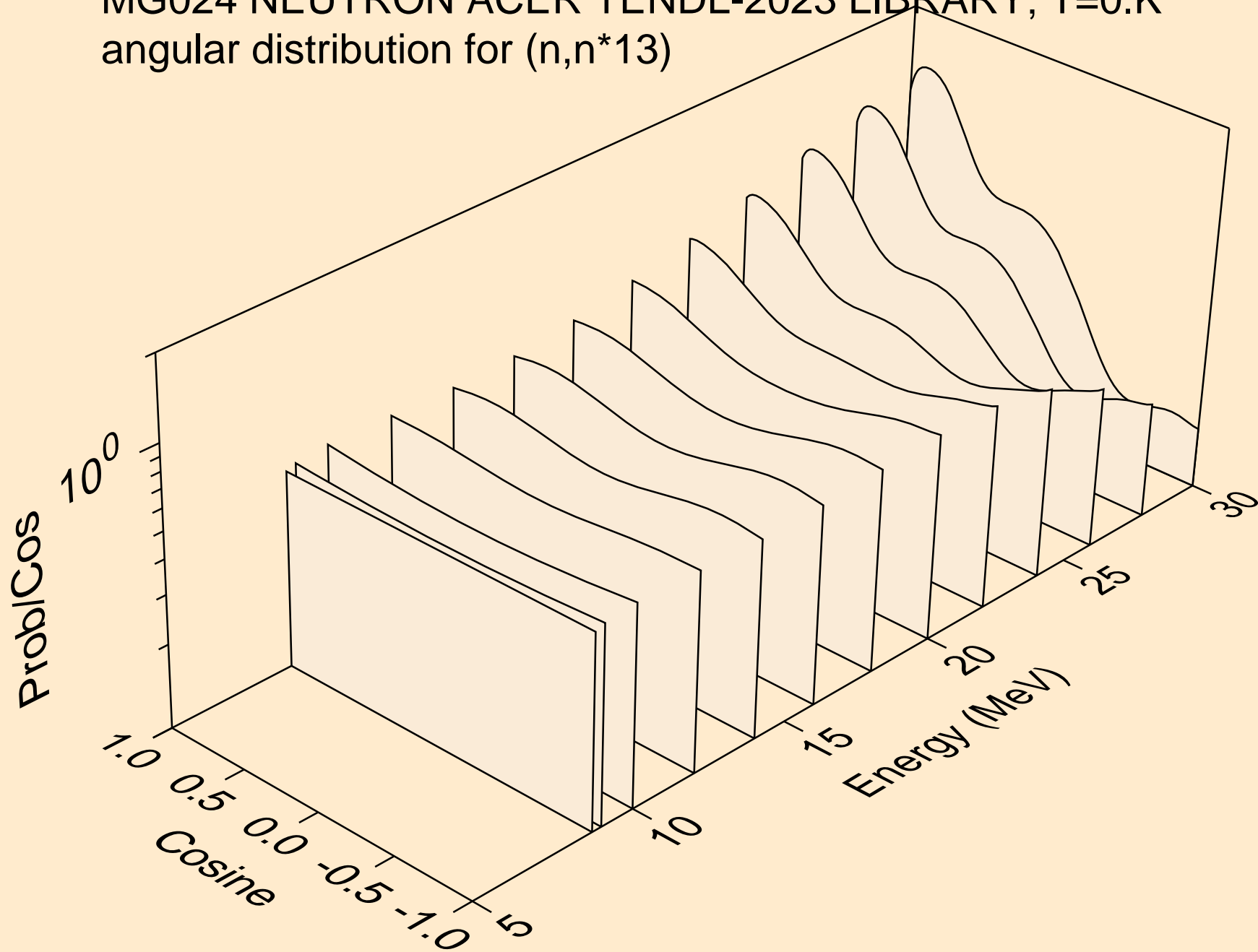


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angular distribution for (n,n\*12)

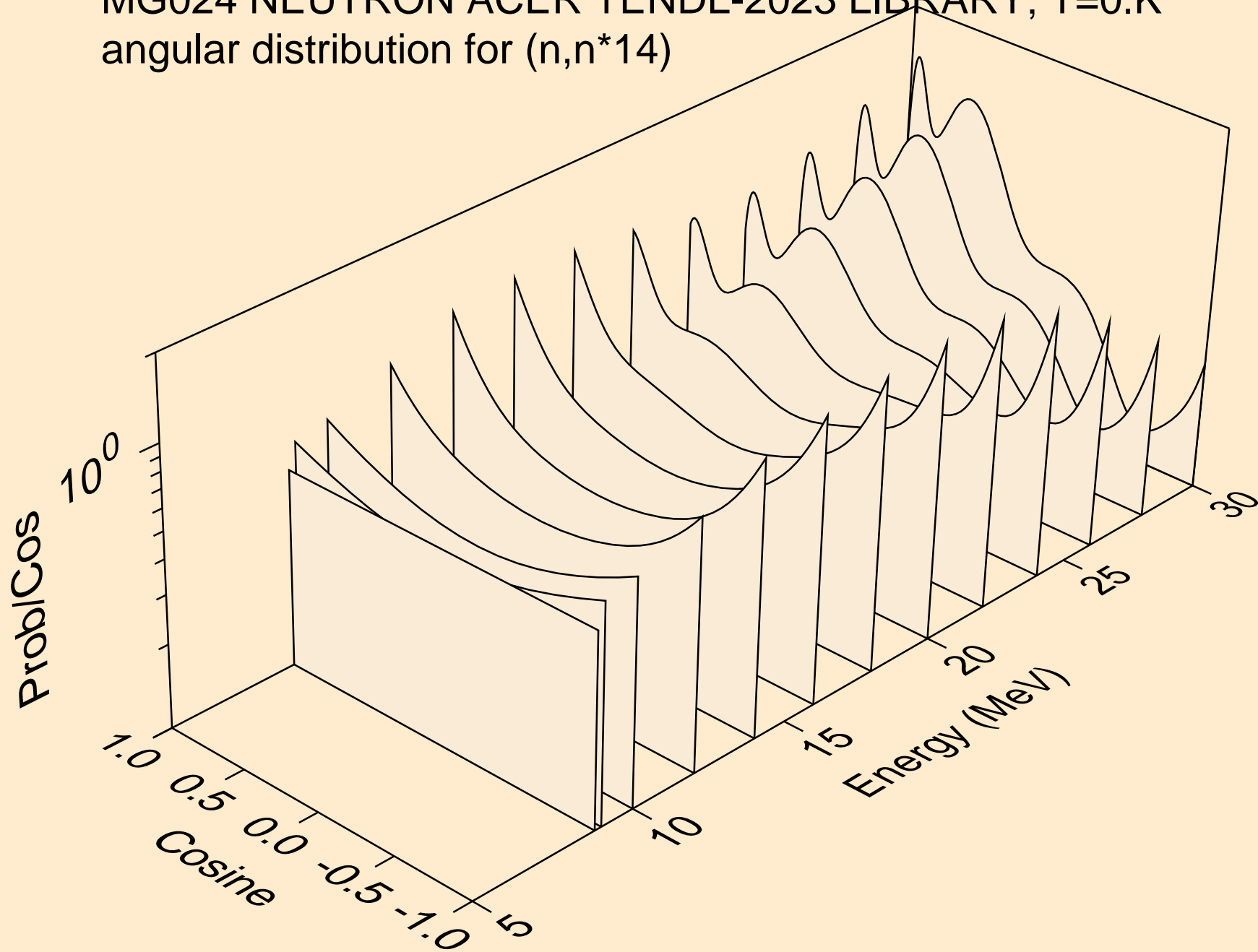




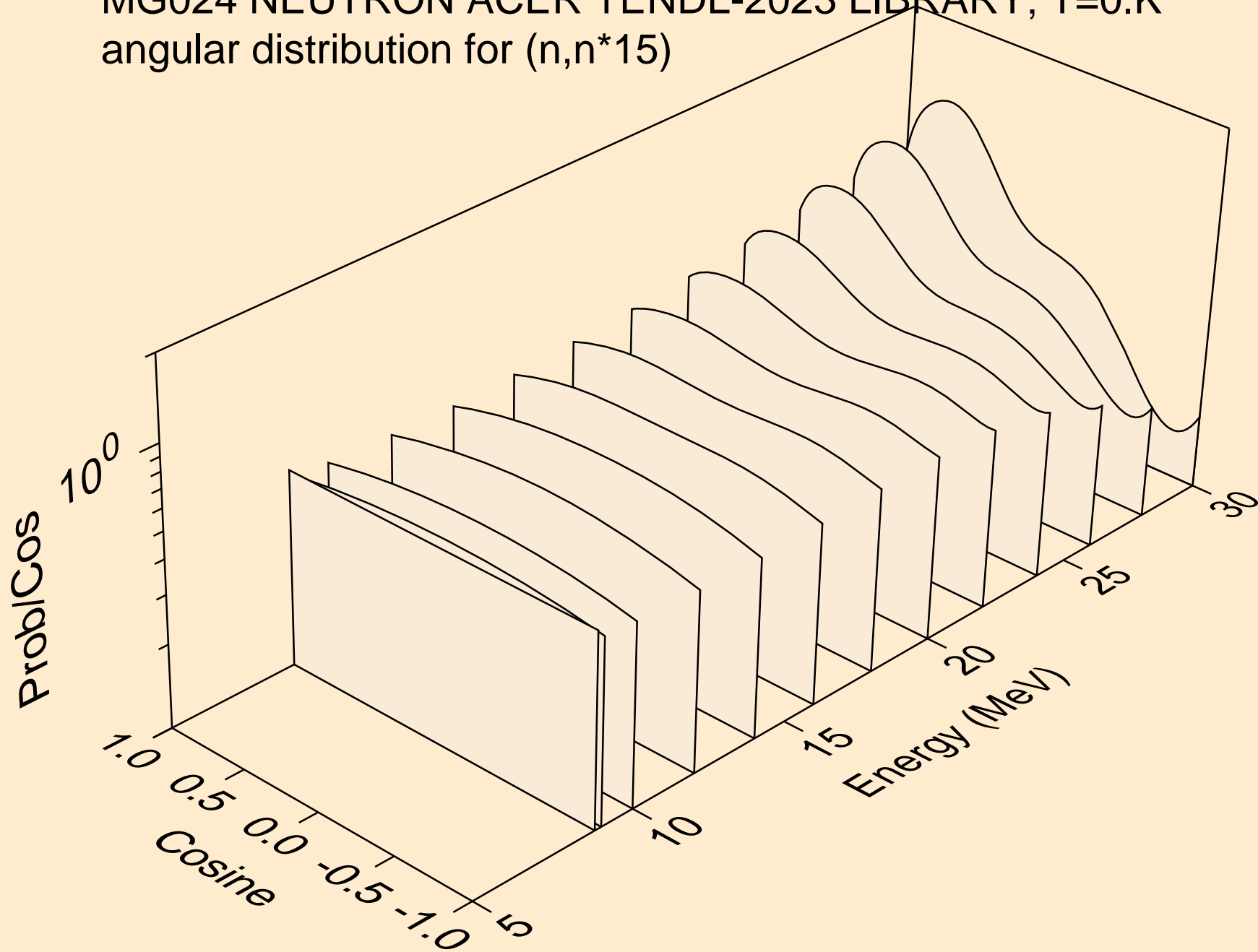
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angular distribution for (n,n\*13)



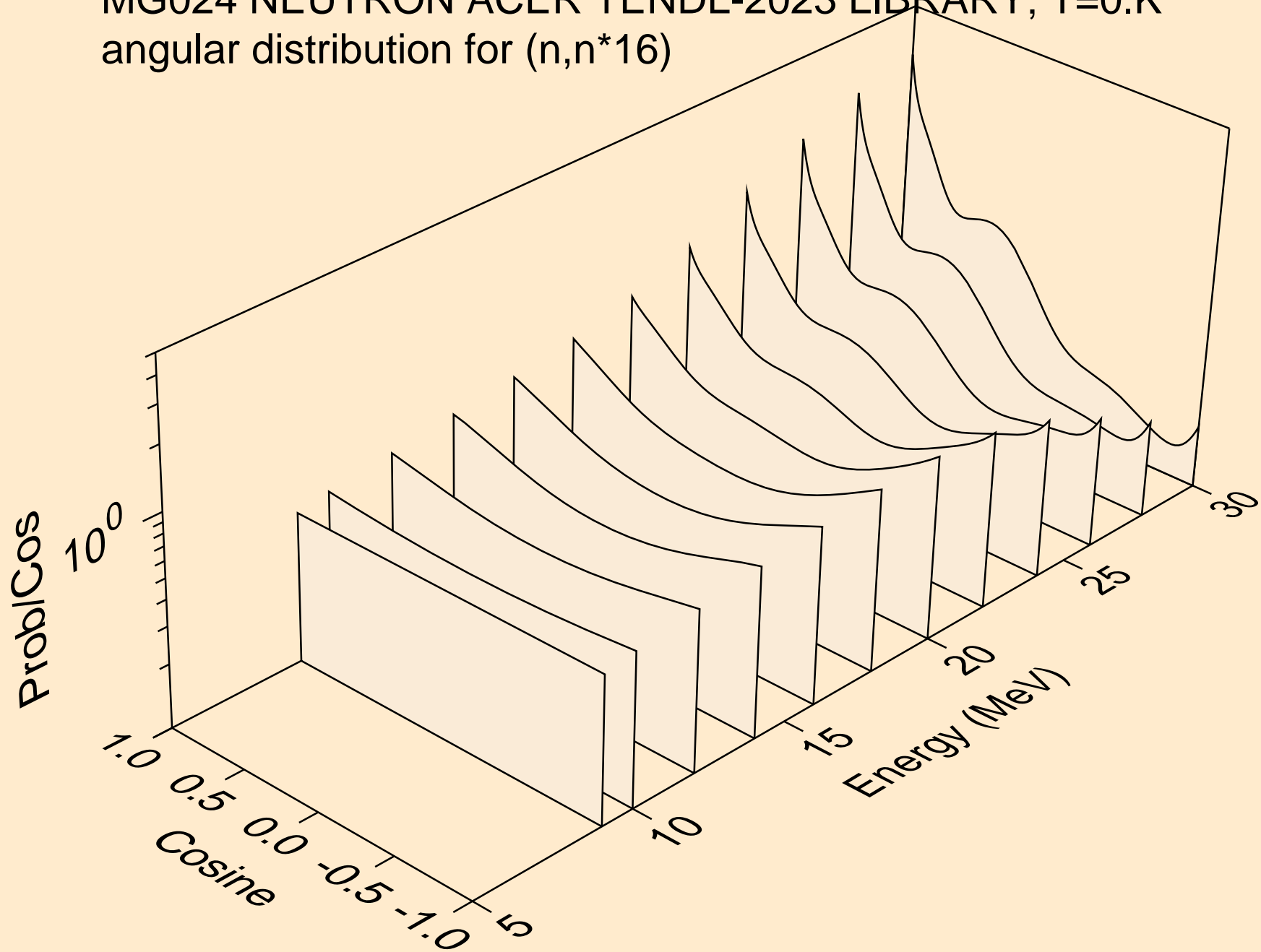
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angular distribution for (n,n\*14)



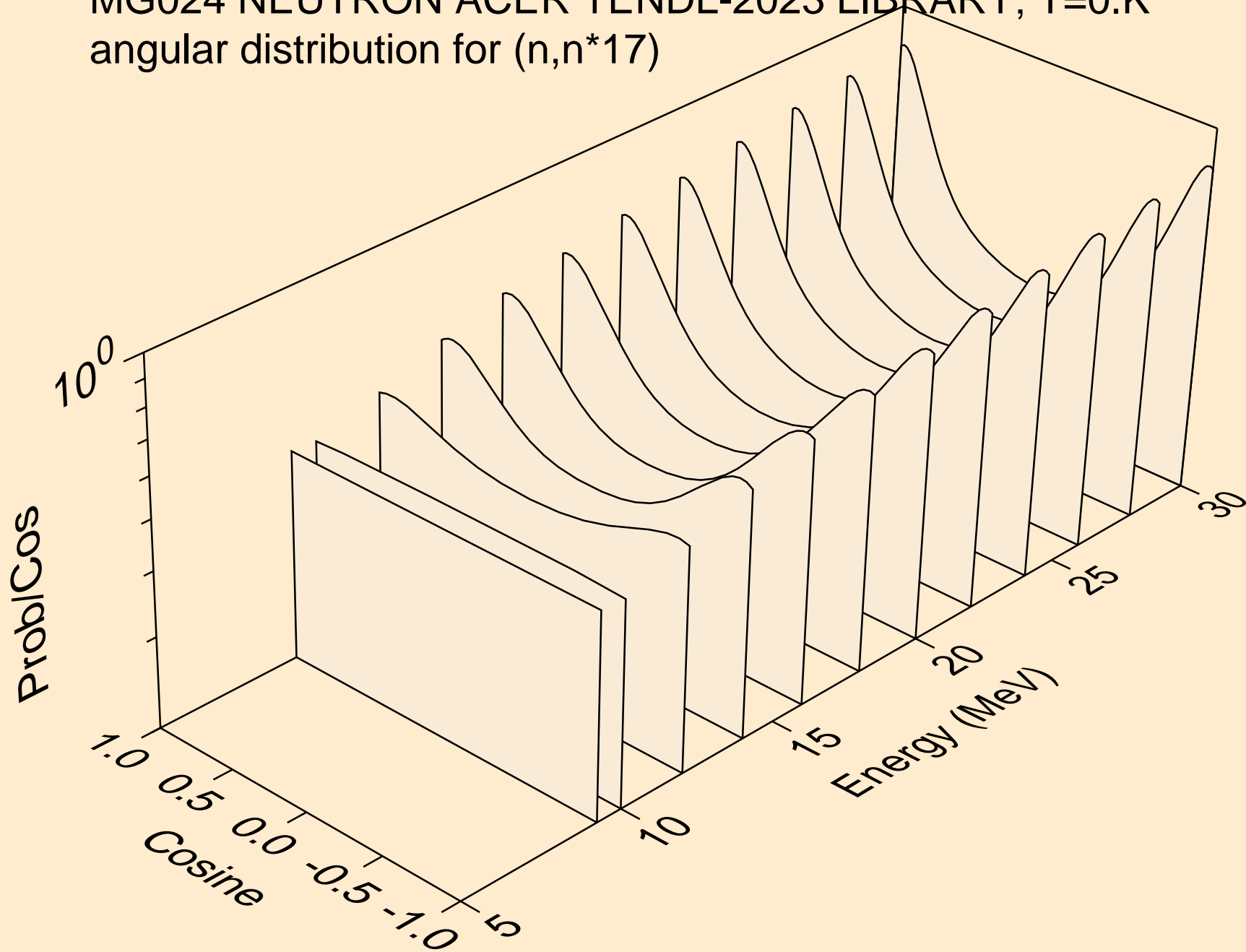
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angular distribution for (n,n\*15)



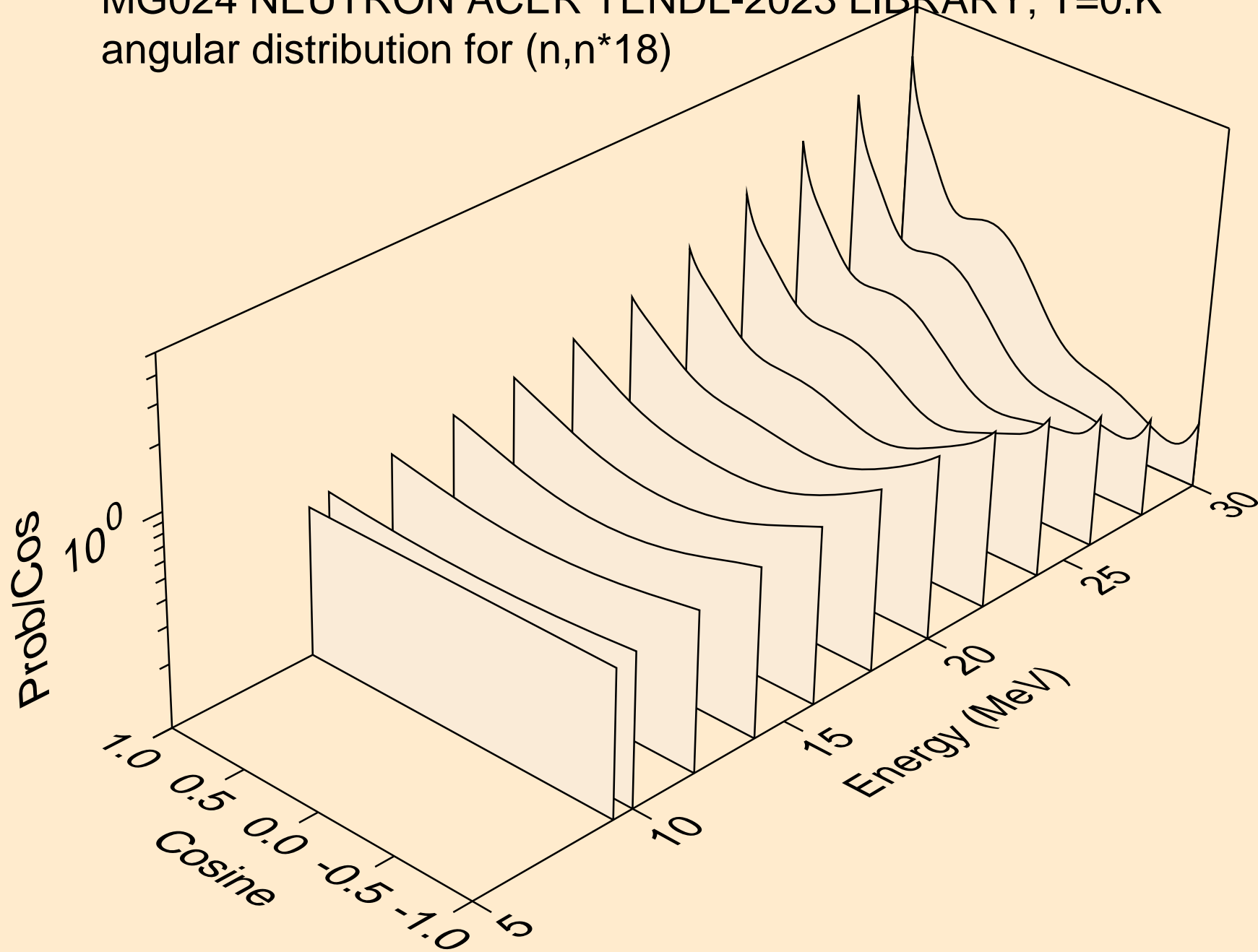
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angular distribution for (n,n\*16)



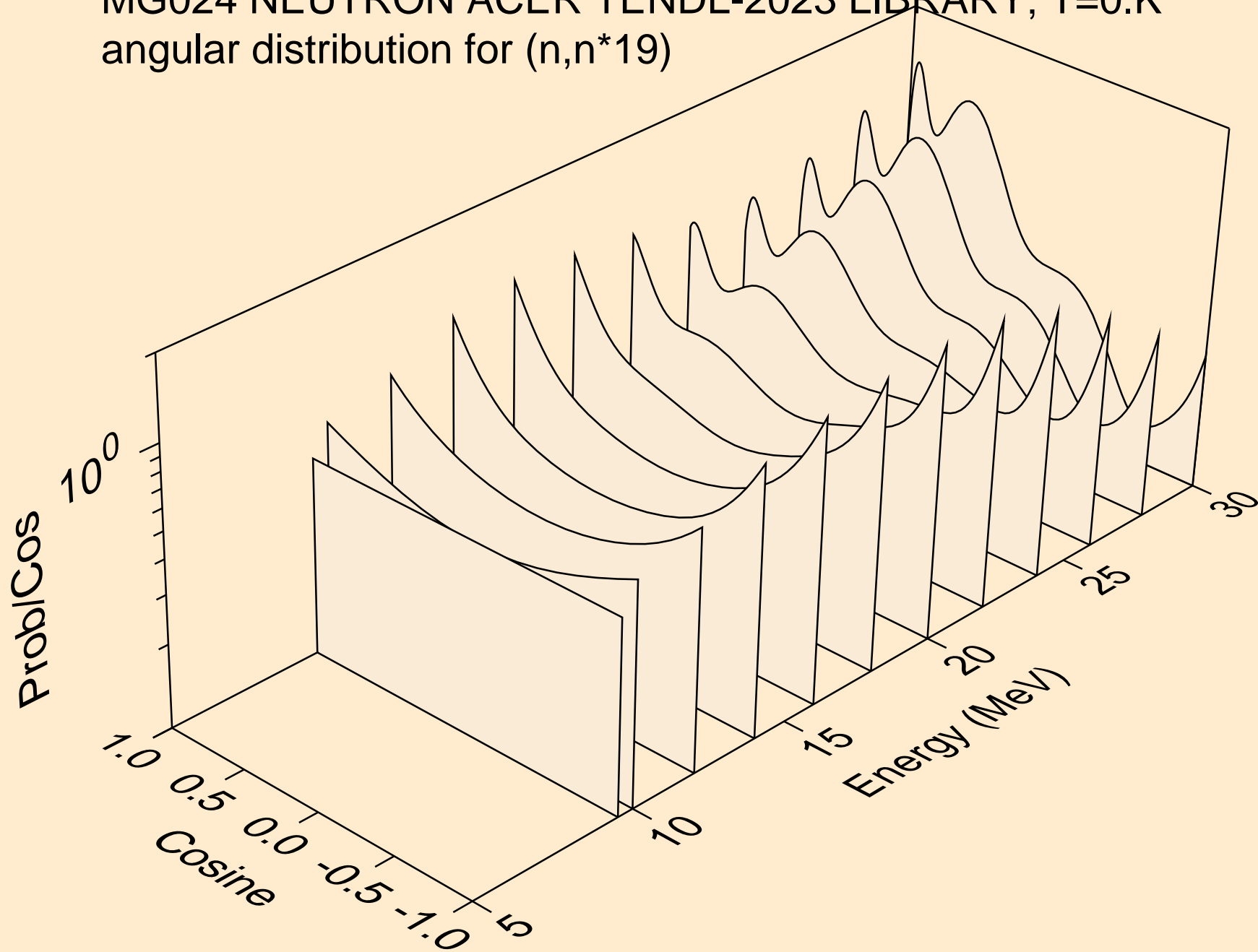
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angular distribution for (n,n\*17)



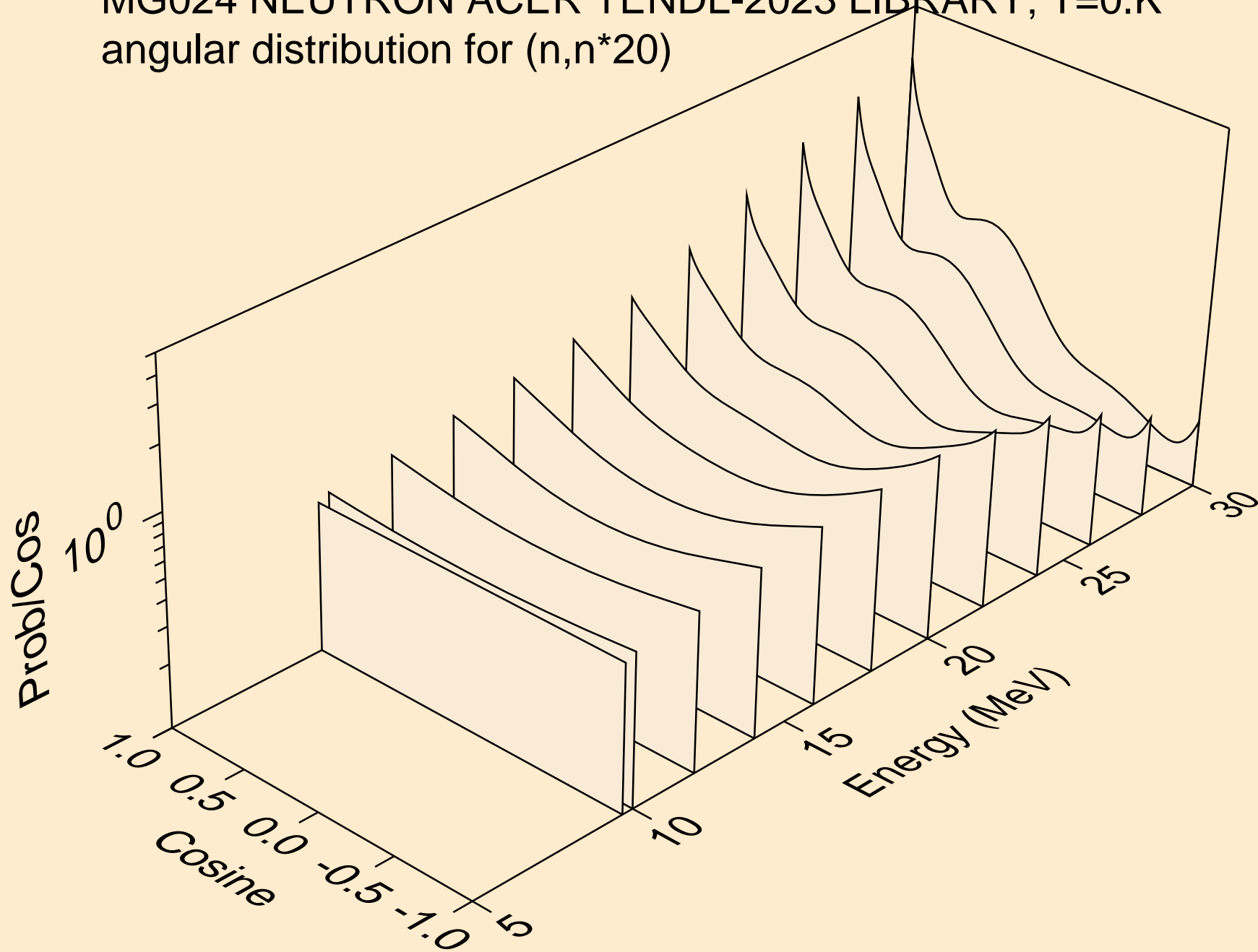
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angular distribution for (n,n\*18)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)

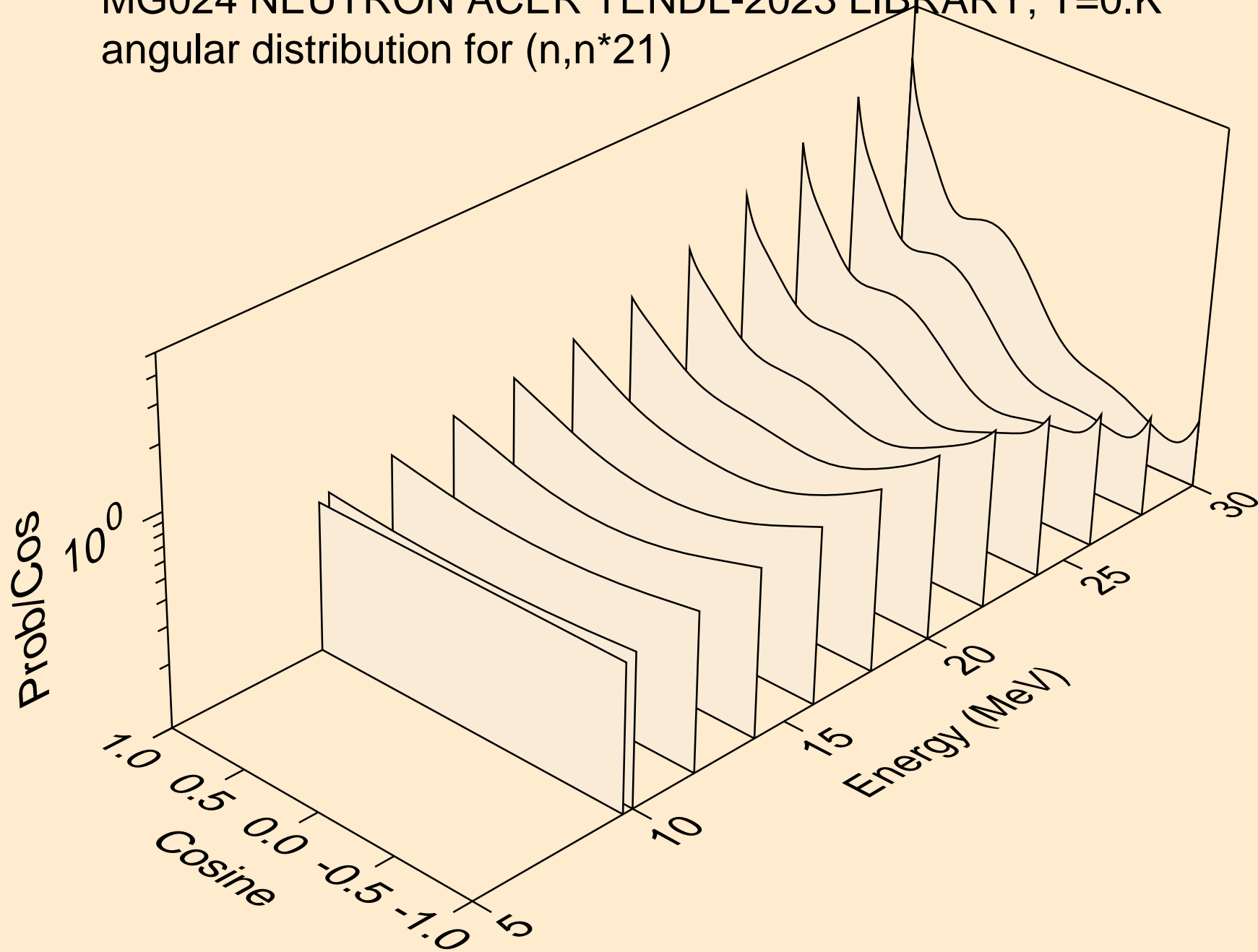


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angular distribution for (n,n\*20)

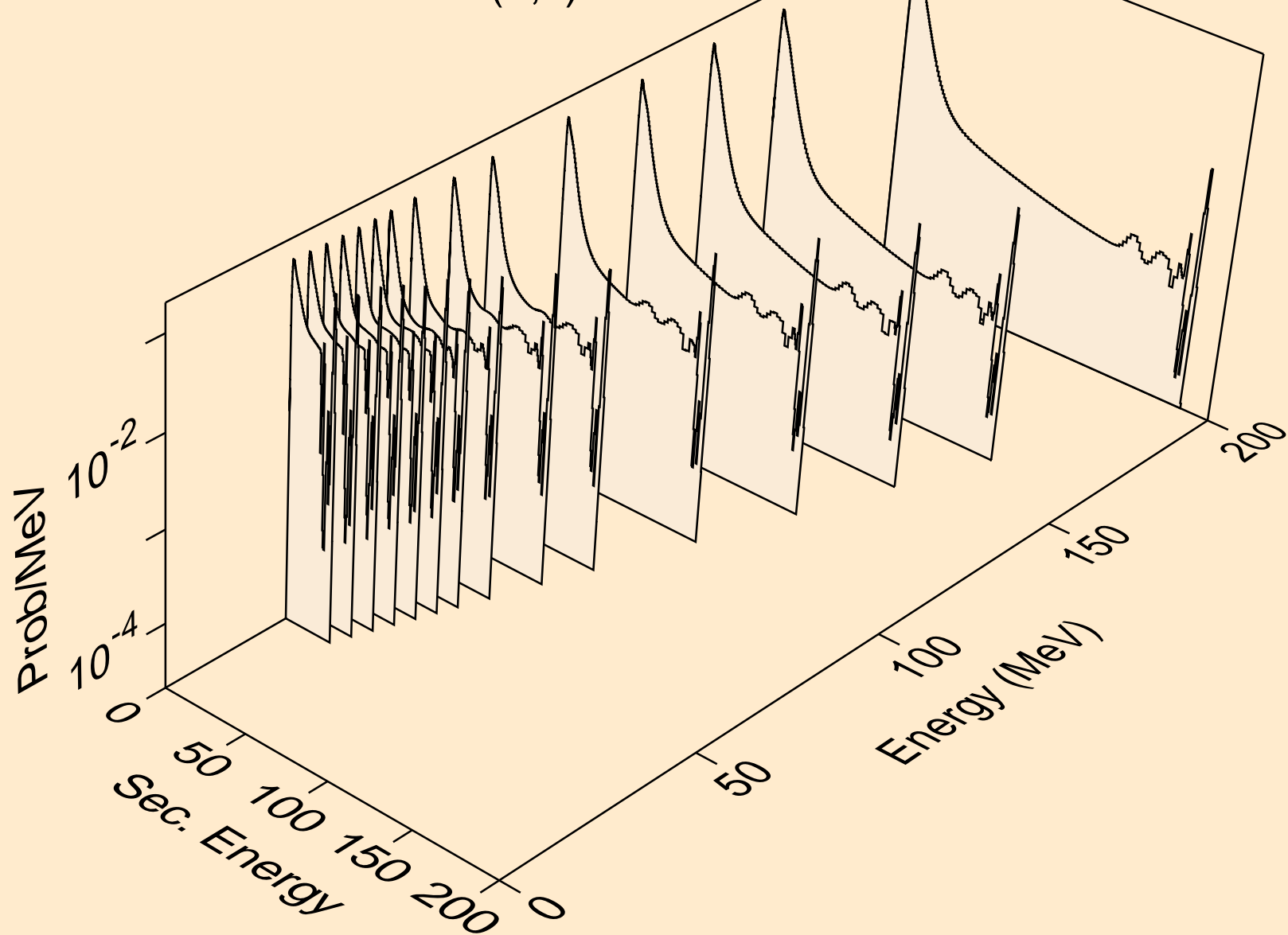




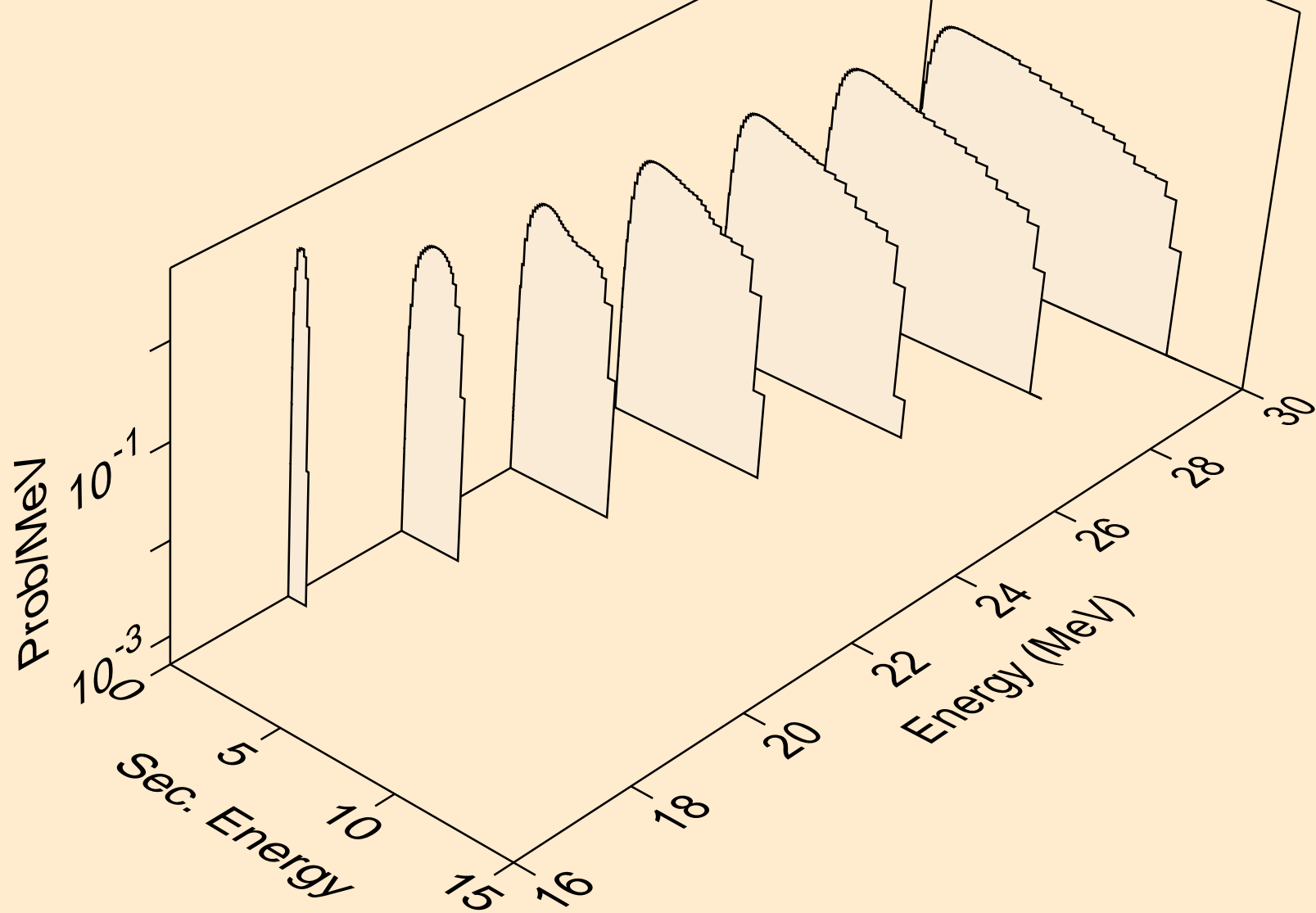
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angular distribution for (n,n\*21)



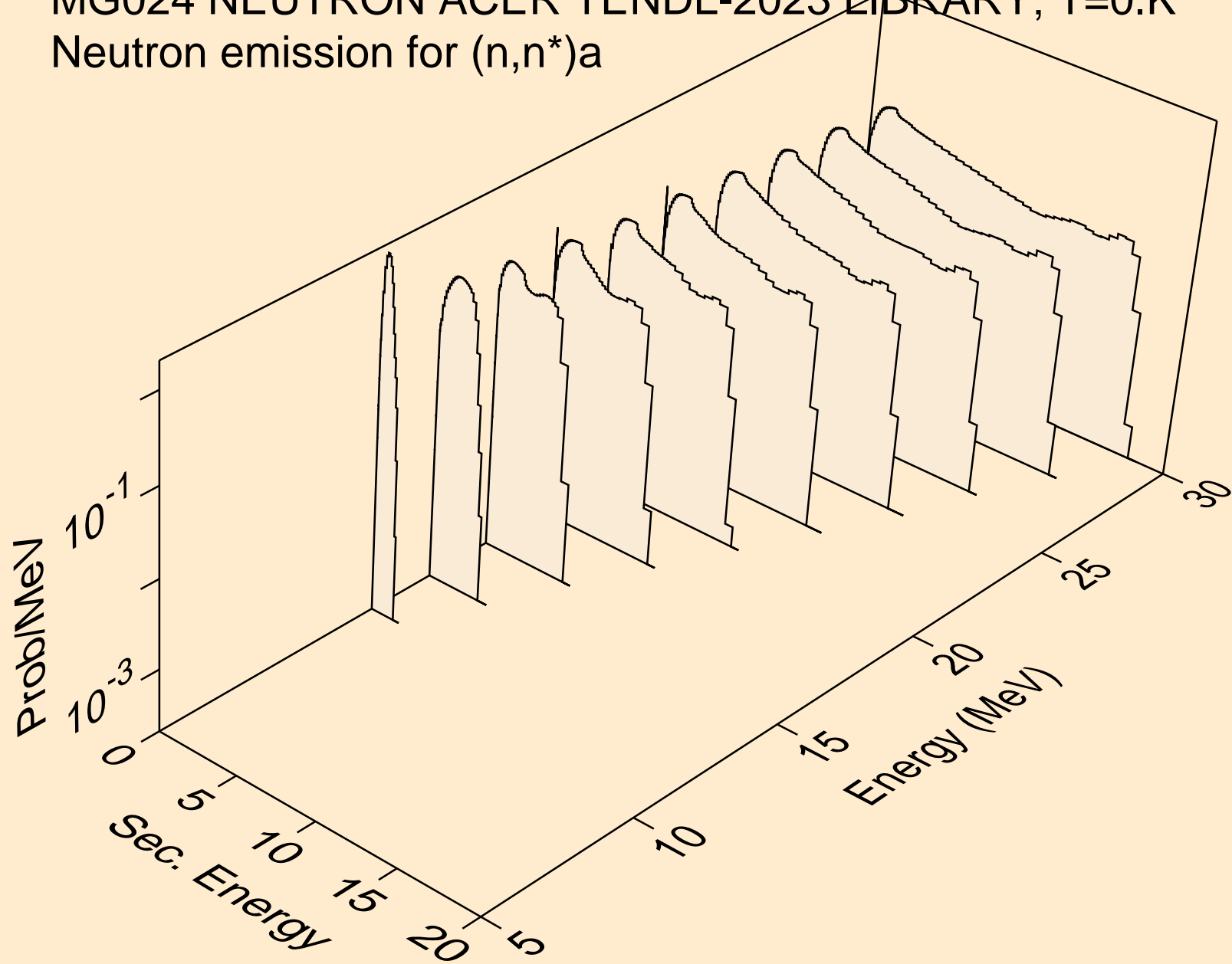
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Neutron emission for (n,x)



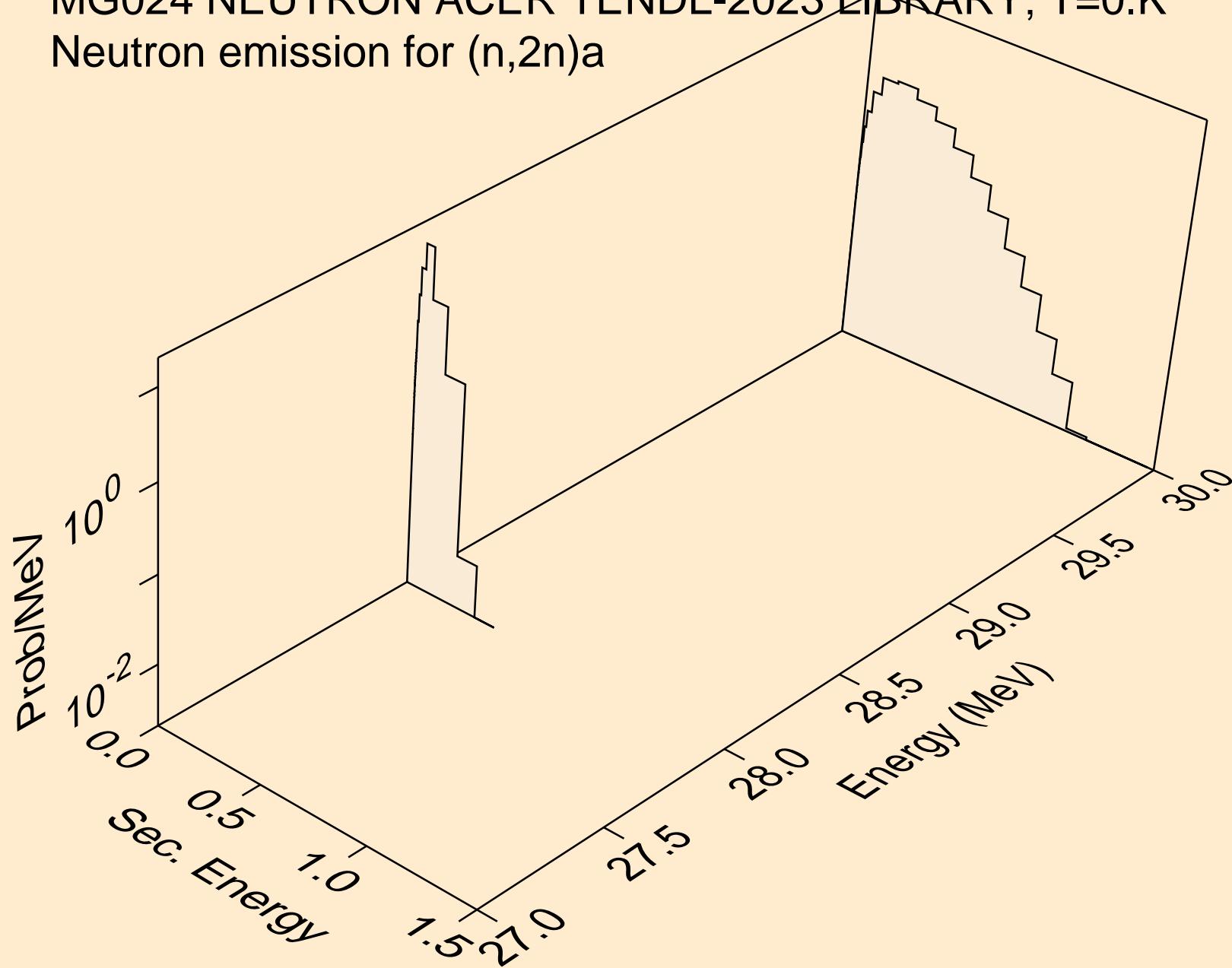
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



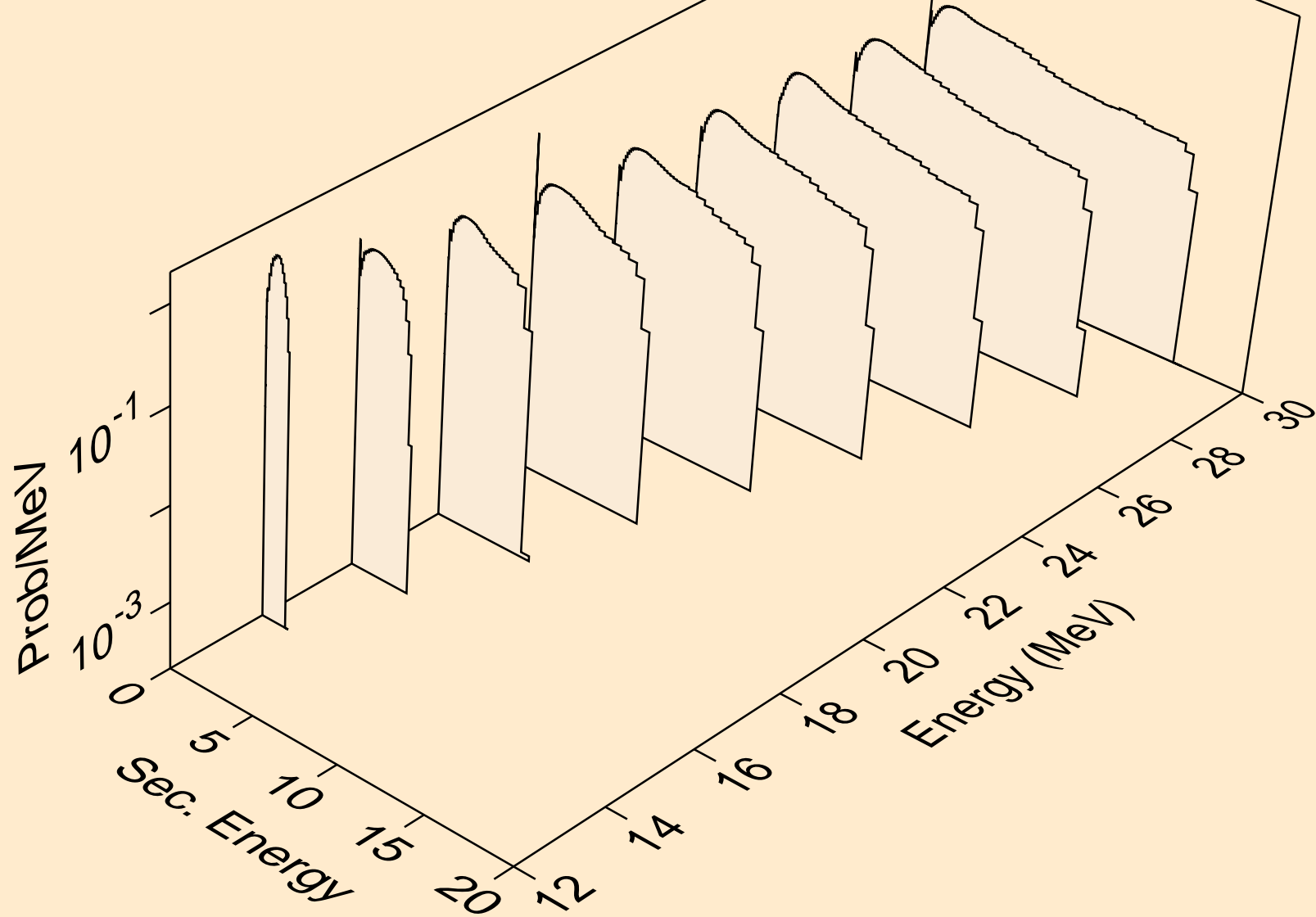
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



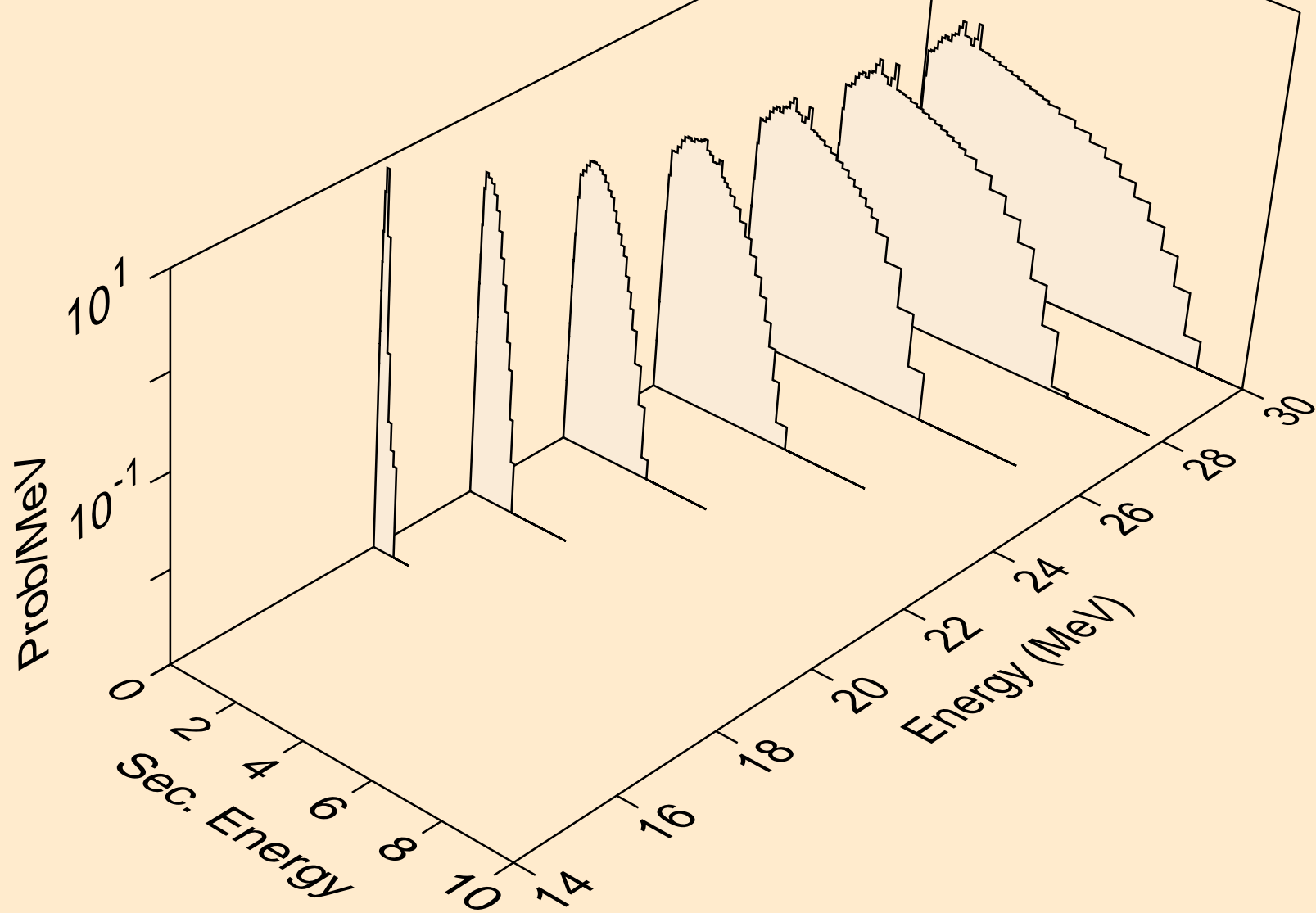
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Neutron emission for (n,2n)a



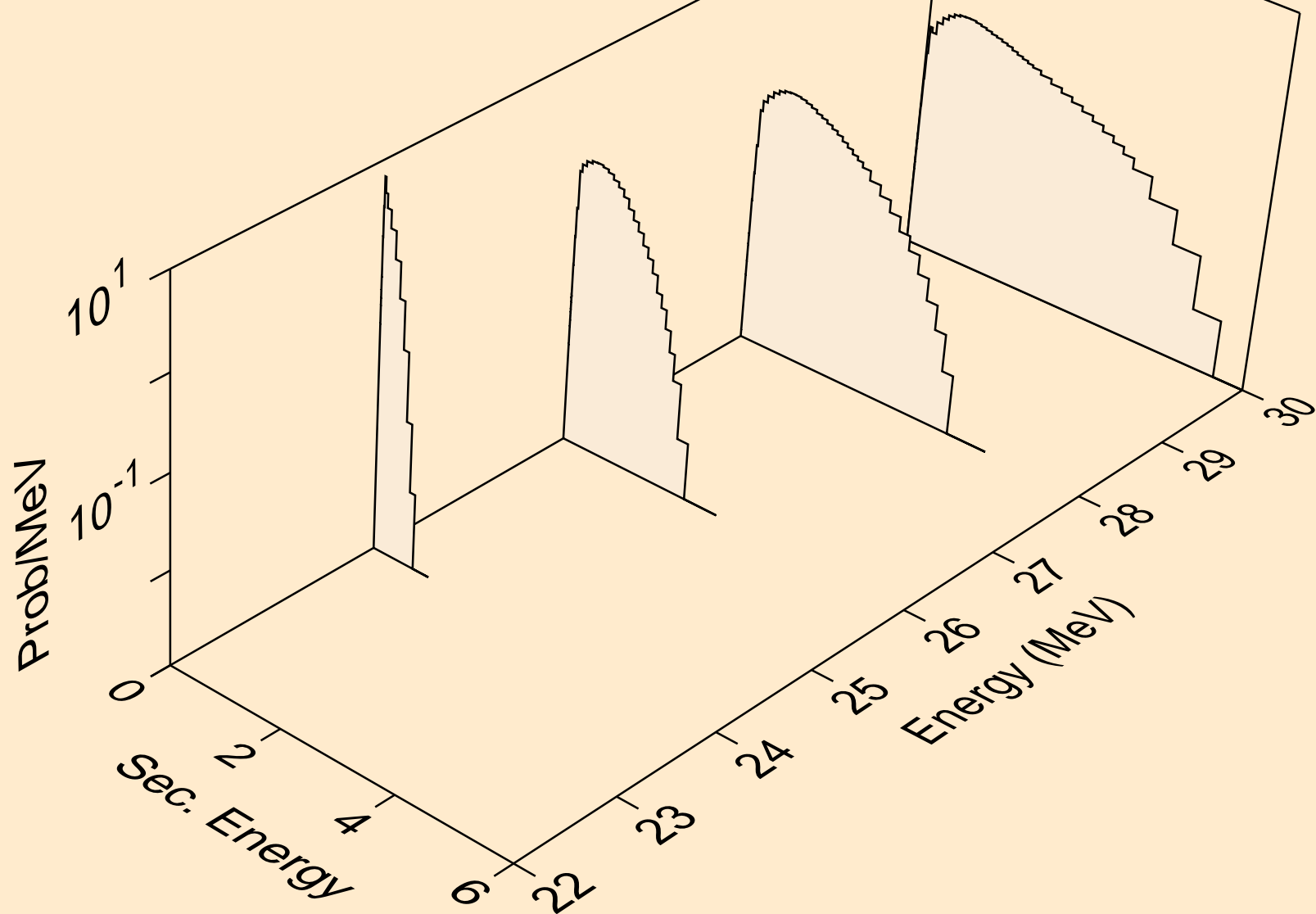
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

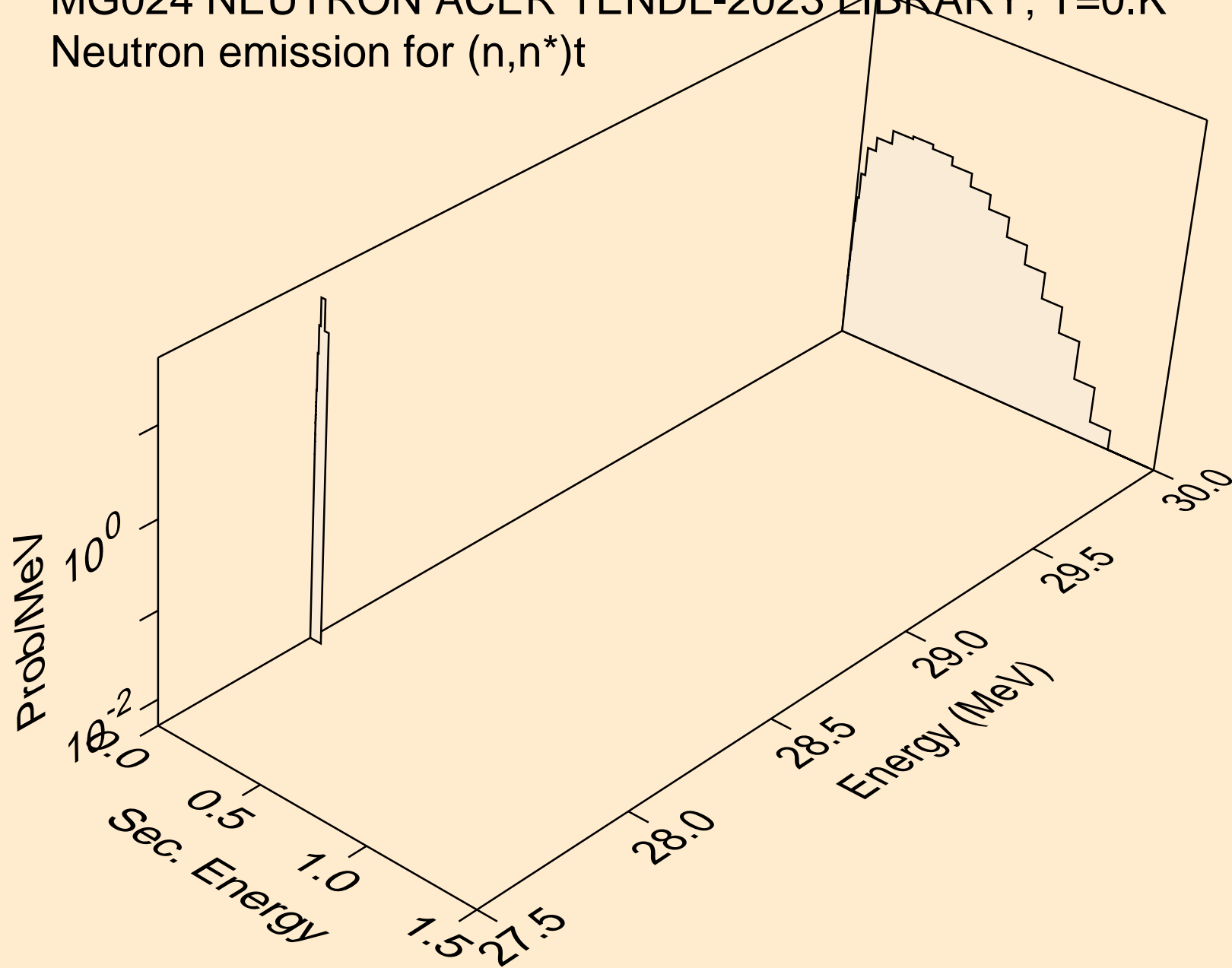


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

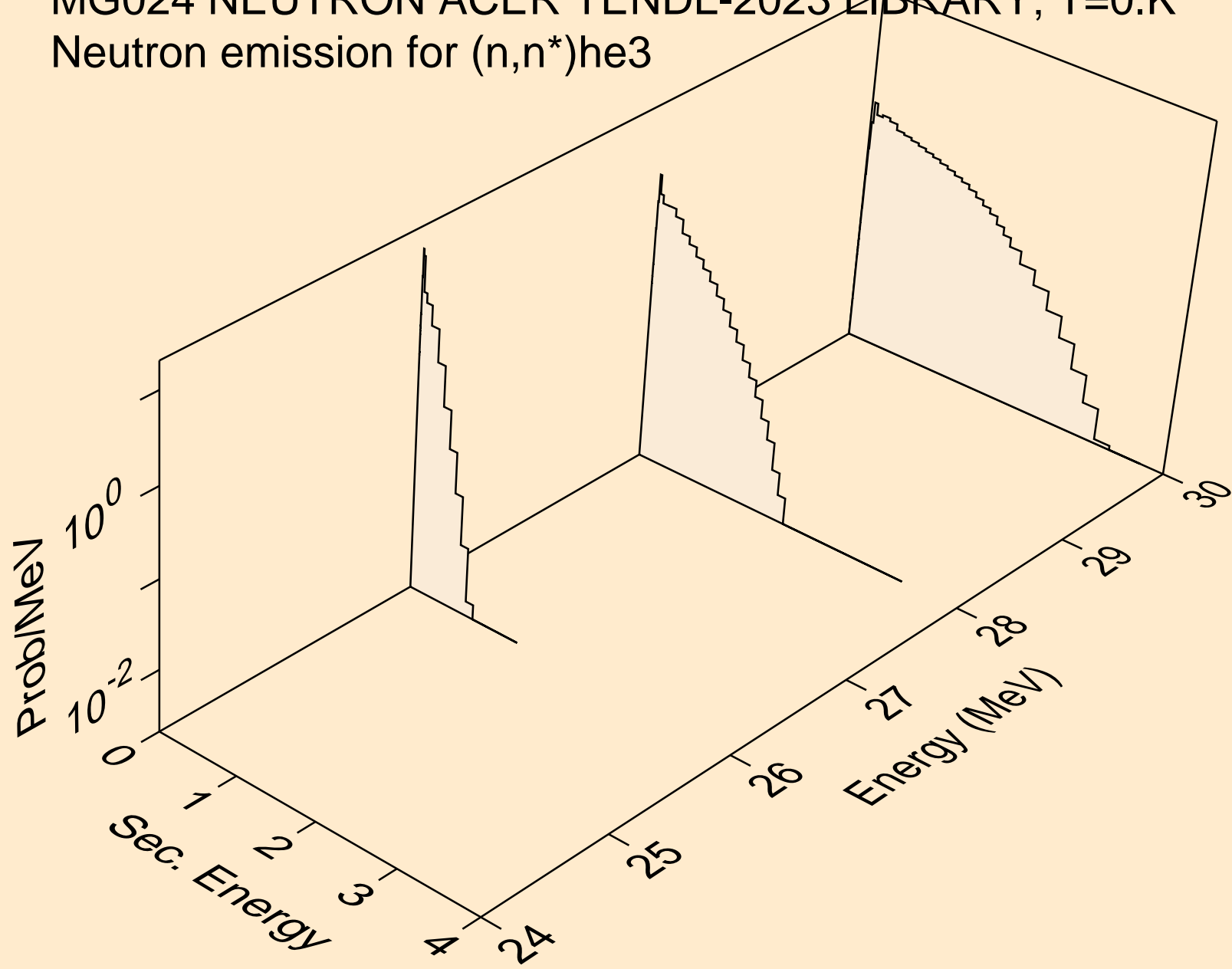




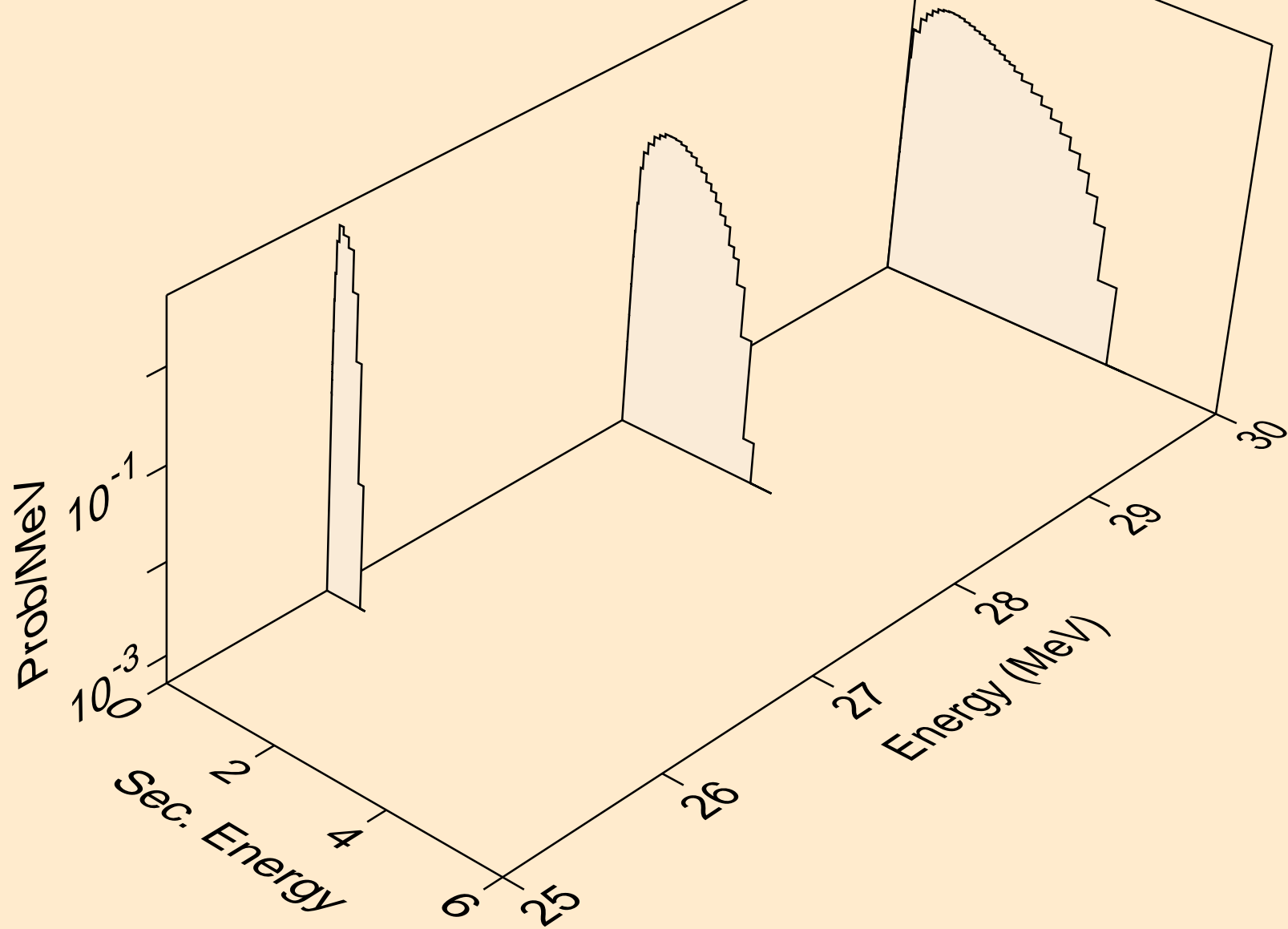
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Neutron emission for (n,n\*)t



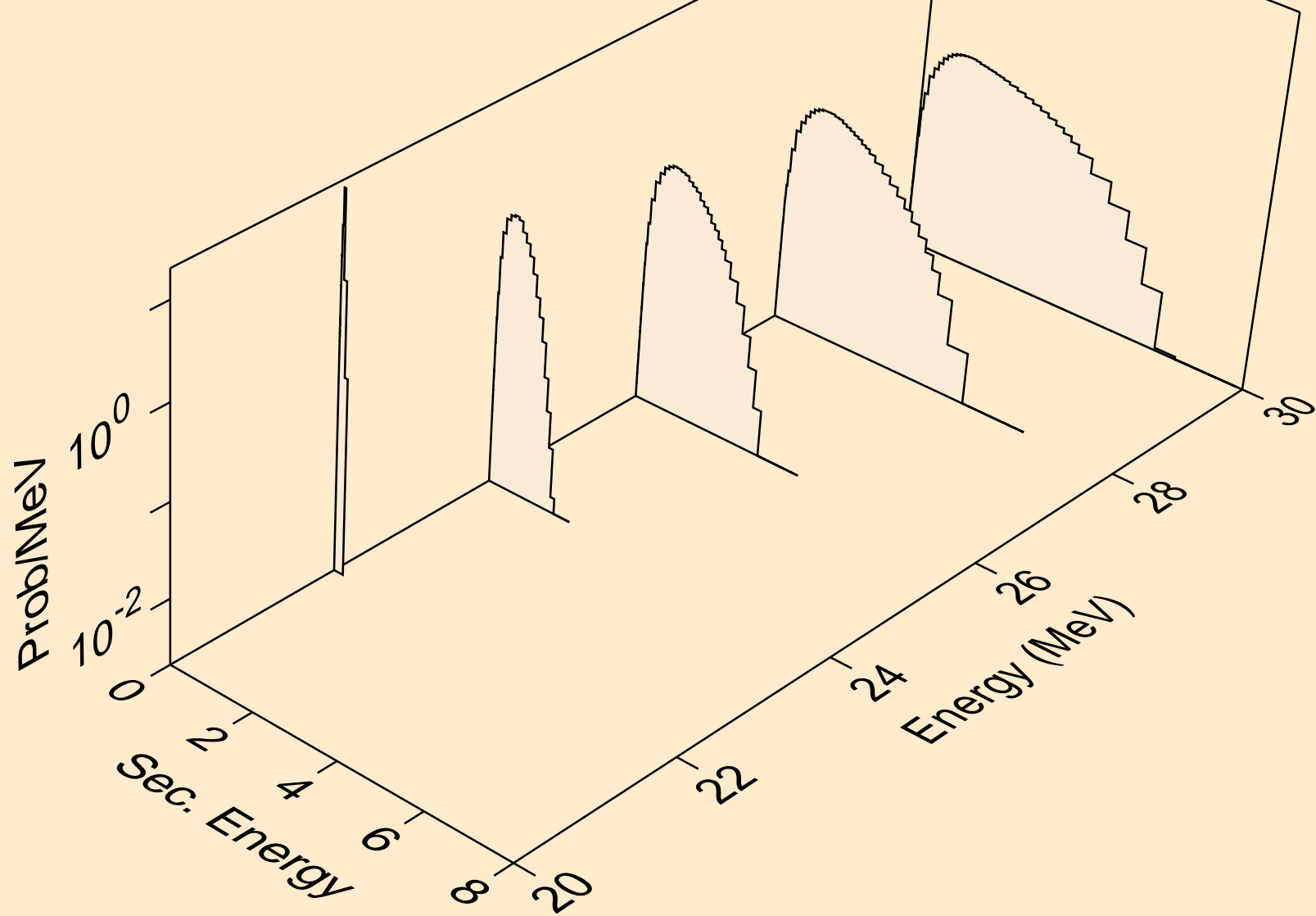
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Neutron emission for (n,n\*)he3



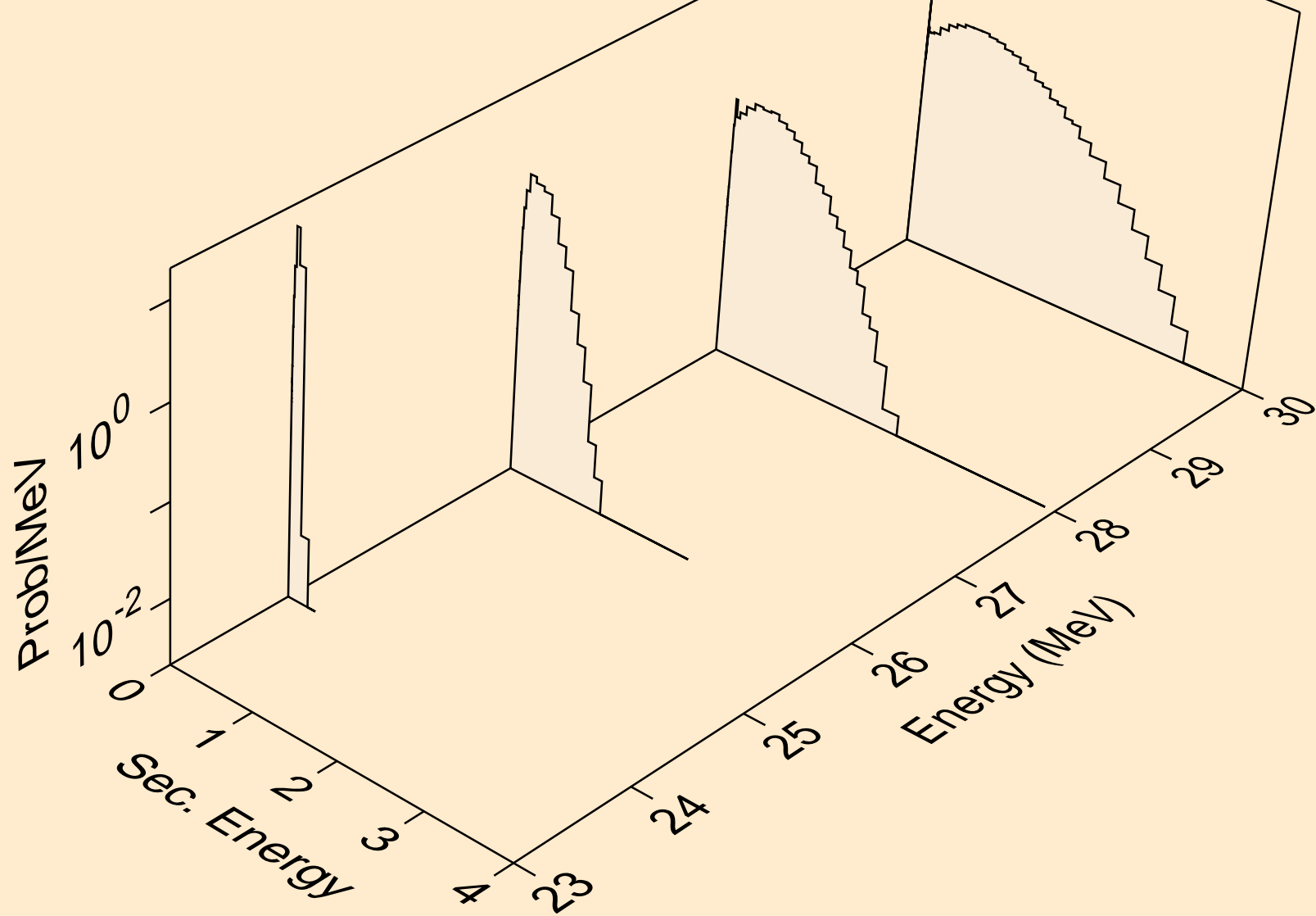
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Neutron emission for (n,2np)



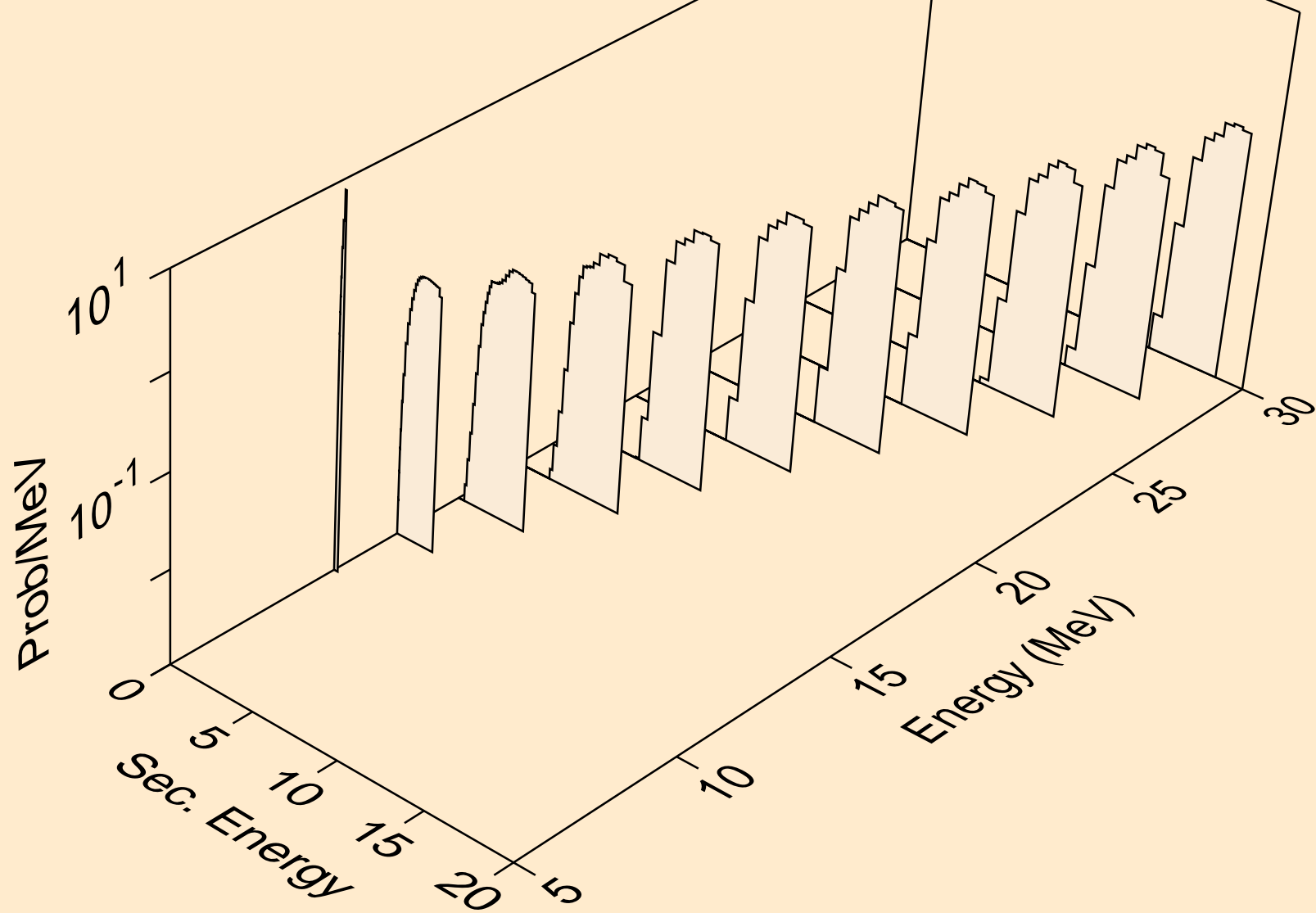
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



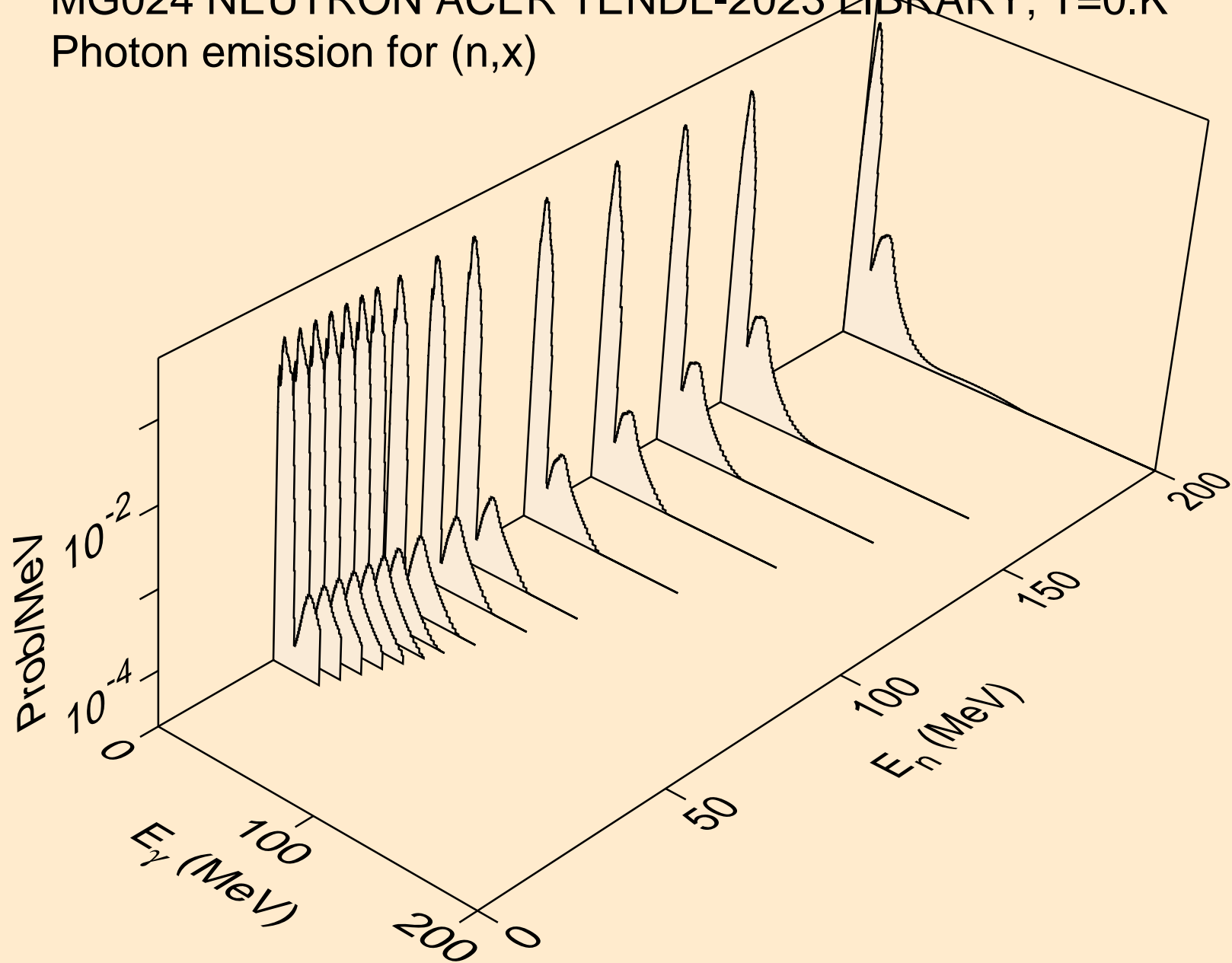
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Neutron emission for (n,npa)



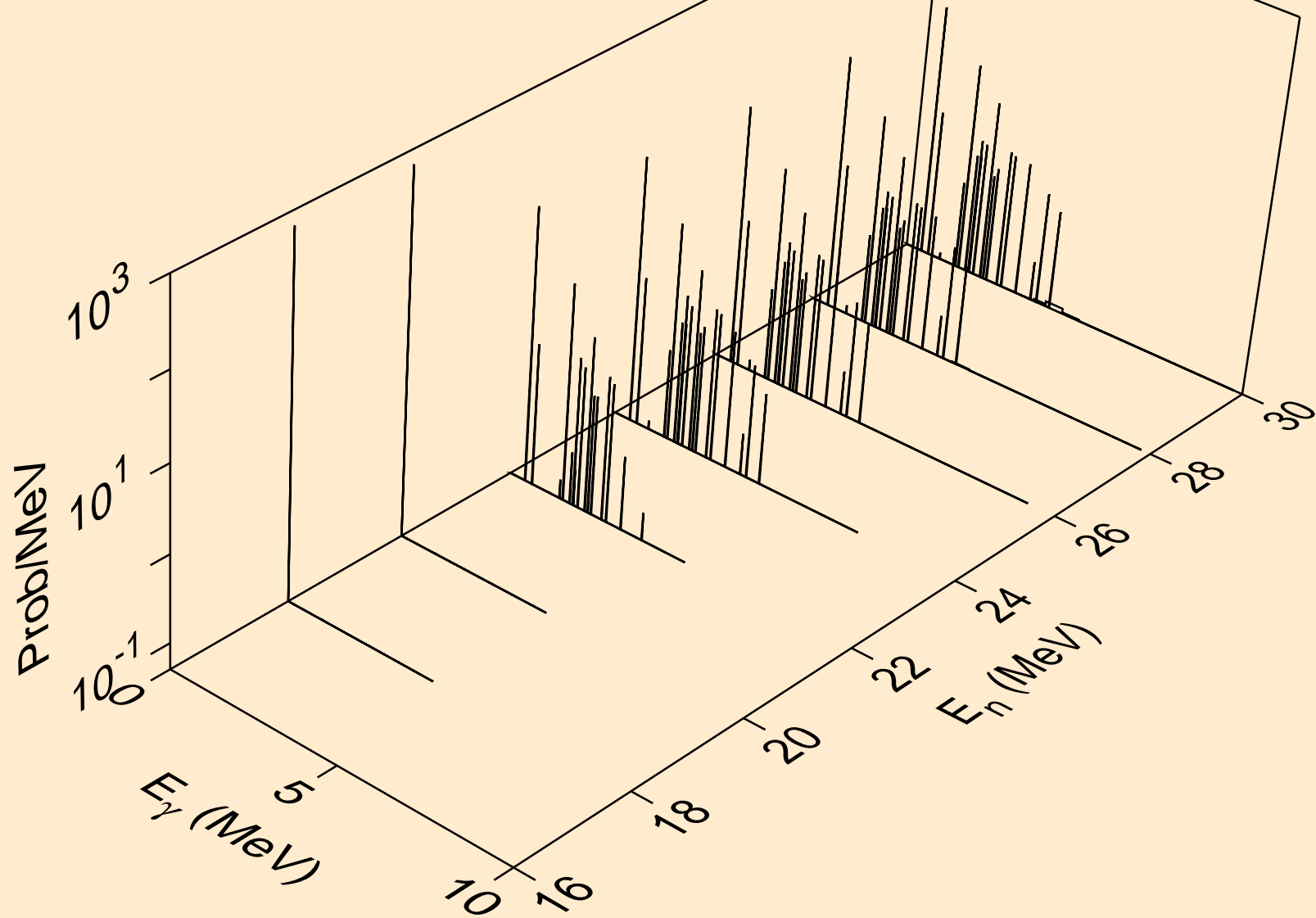
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

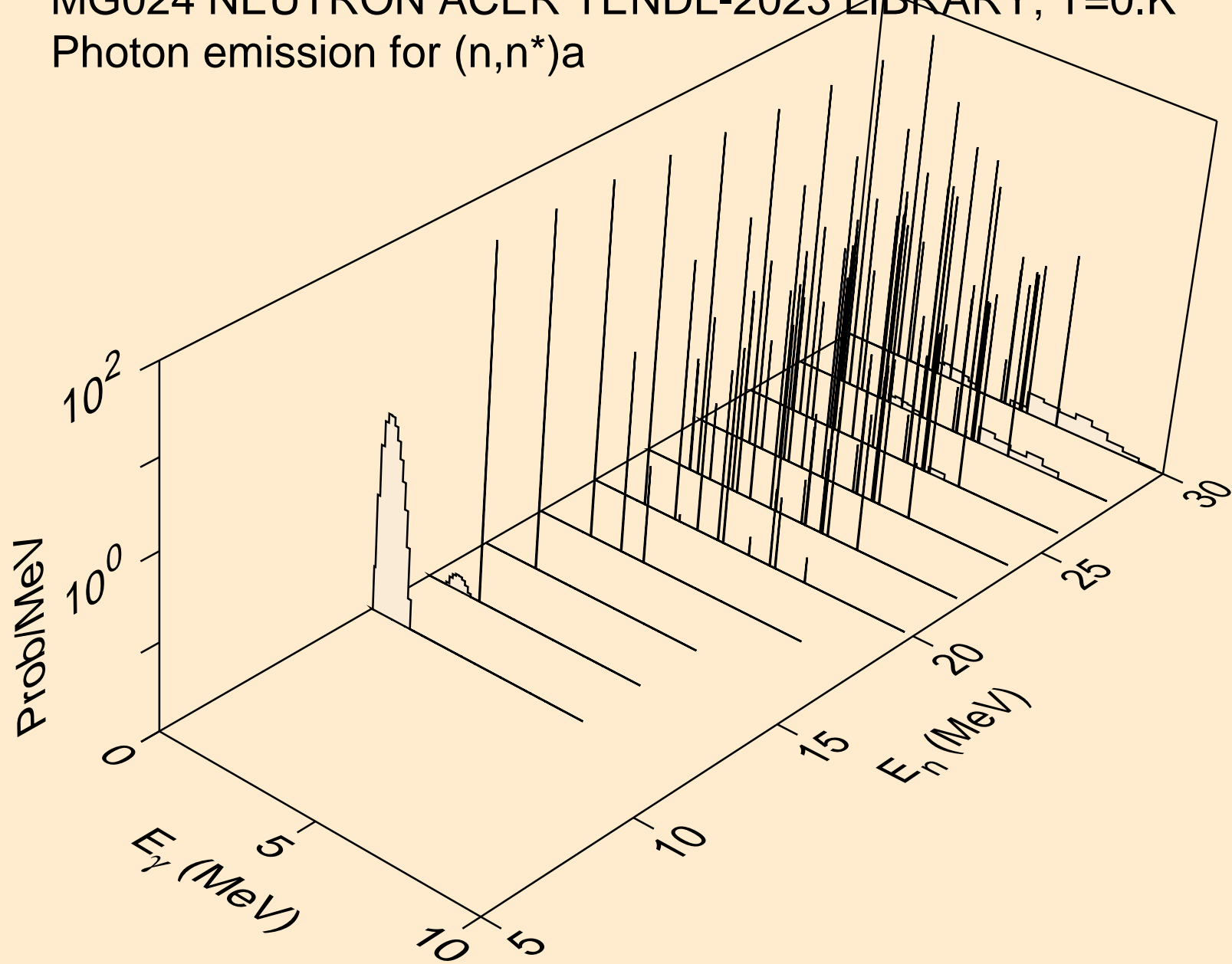


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

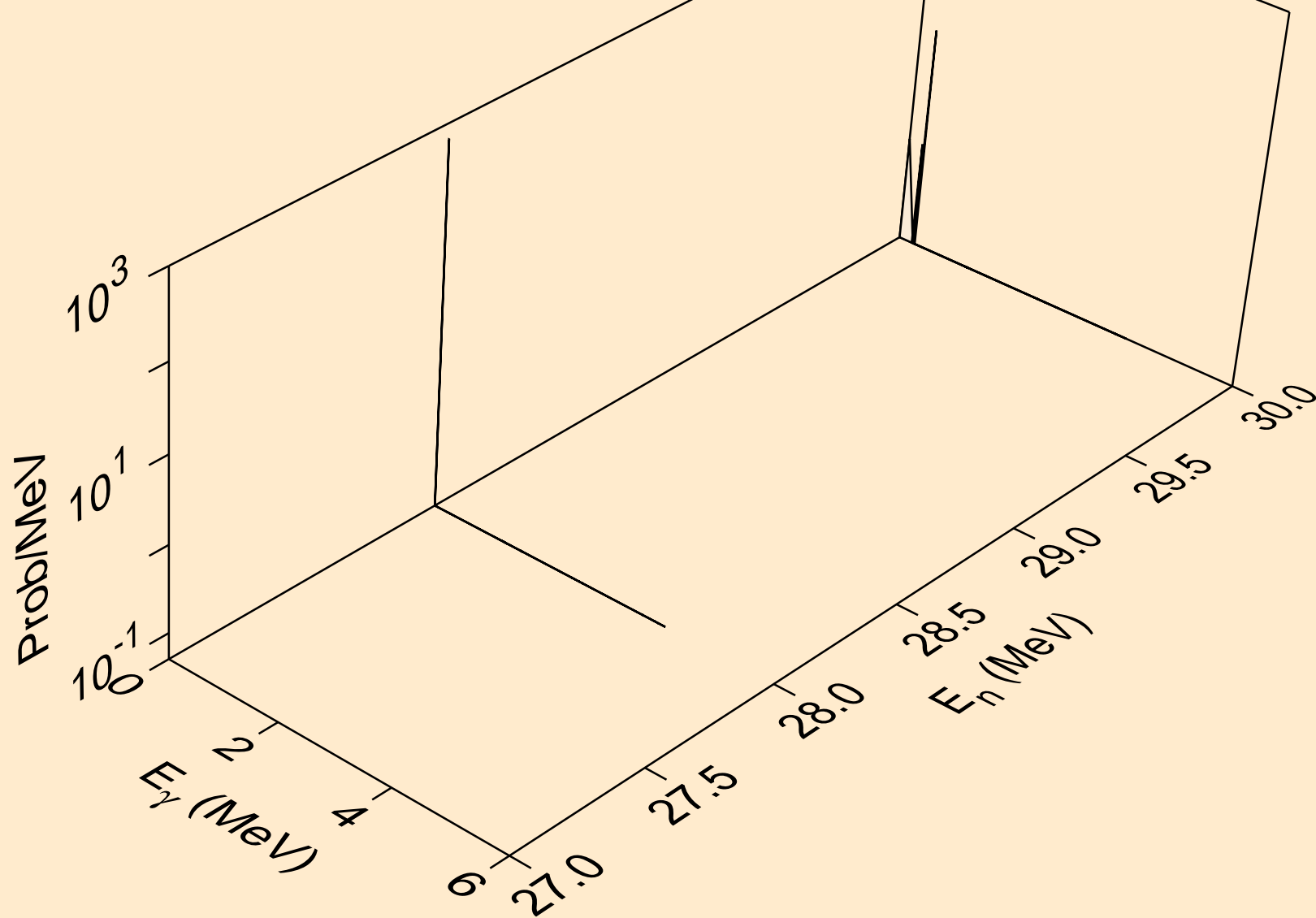




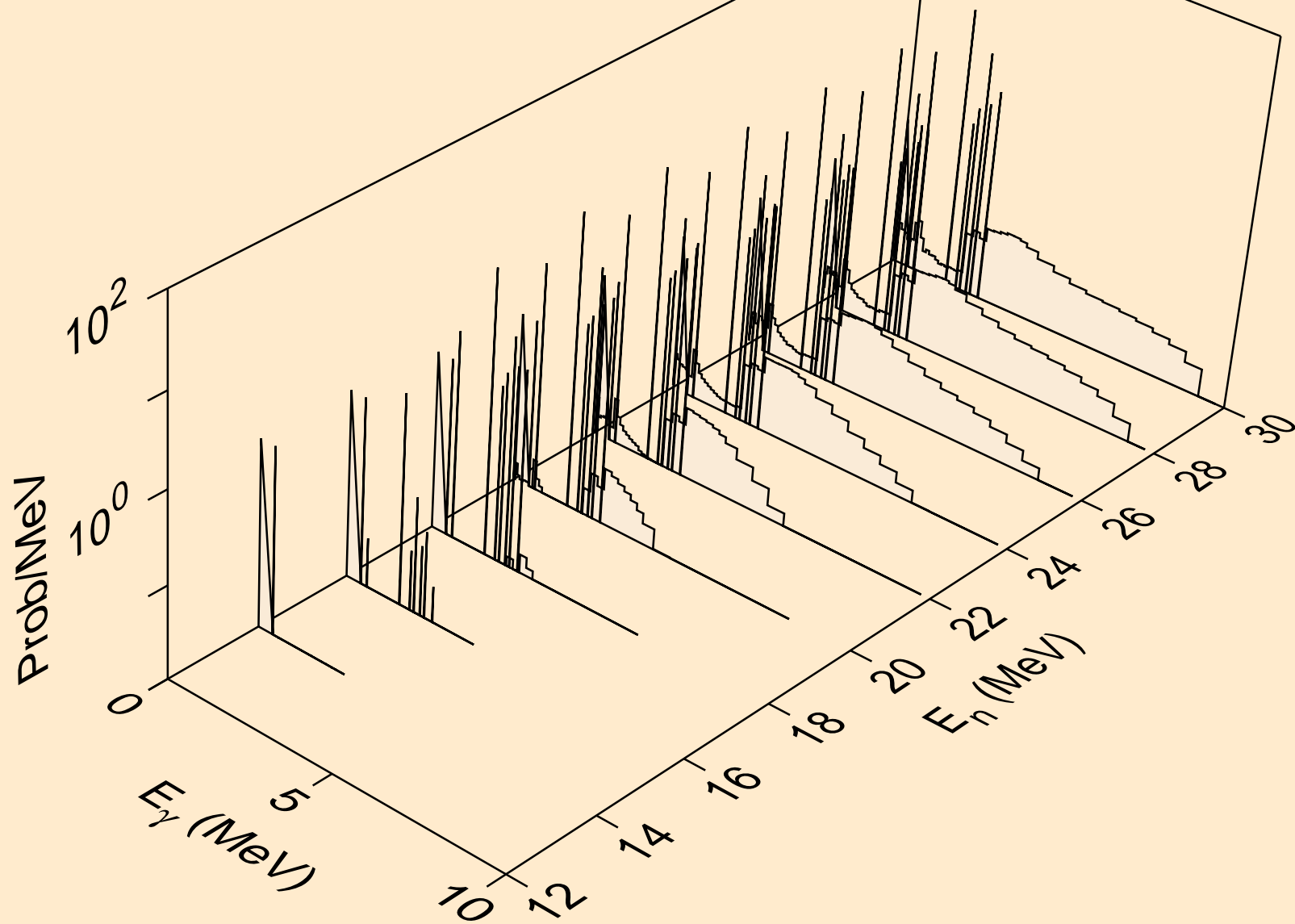
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Photon emission for (n,n\*)a



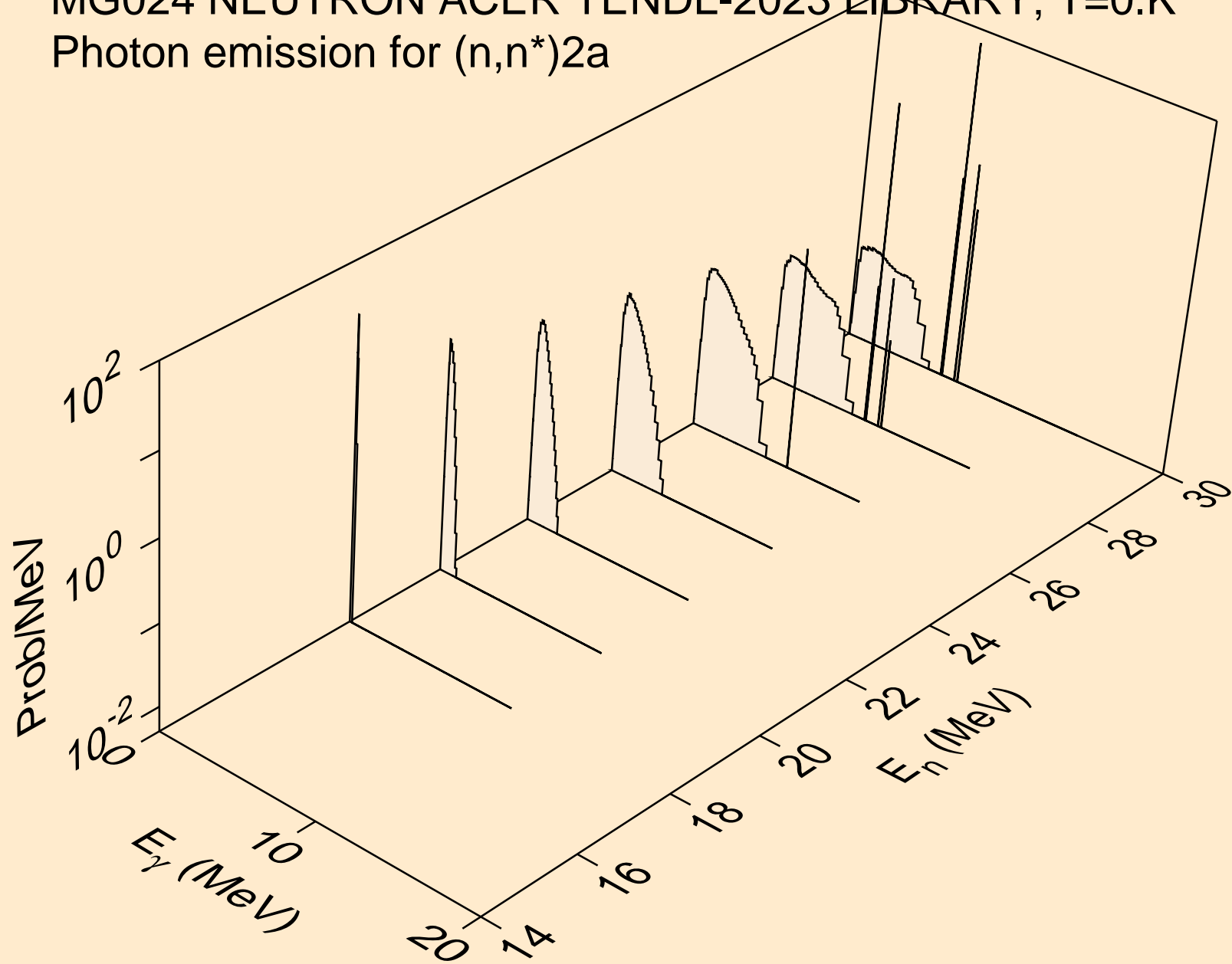
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



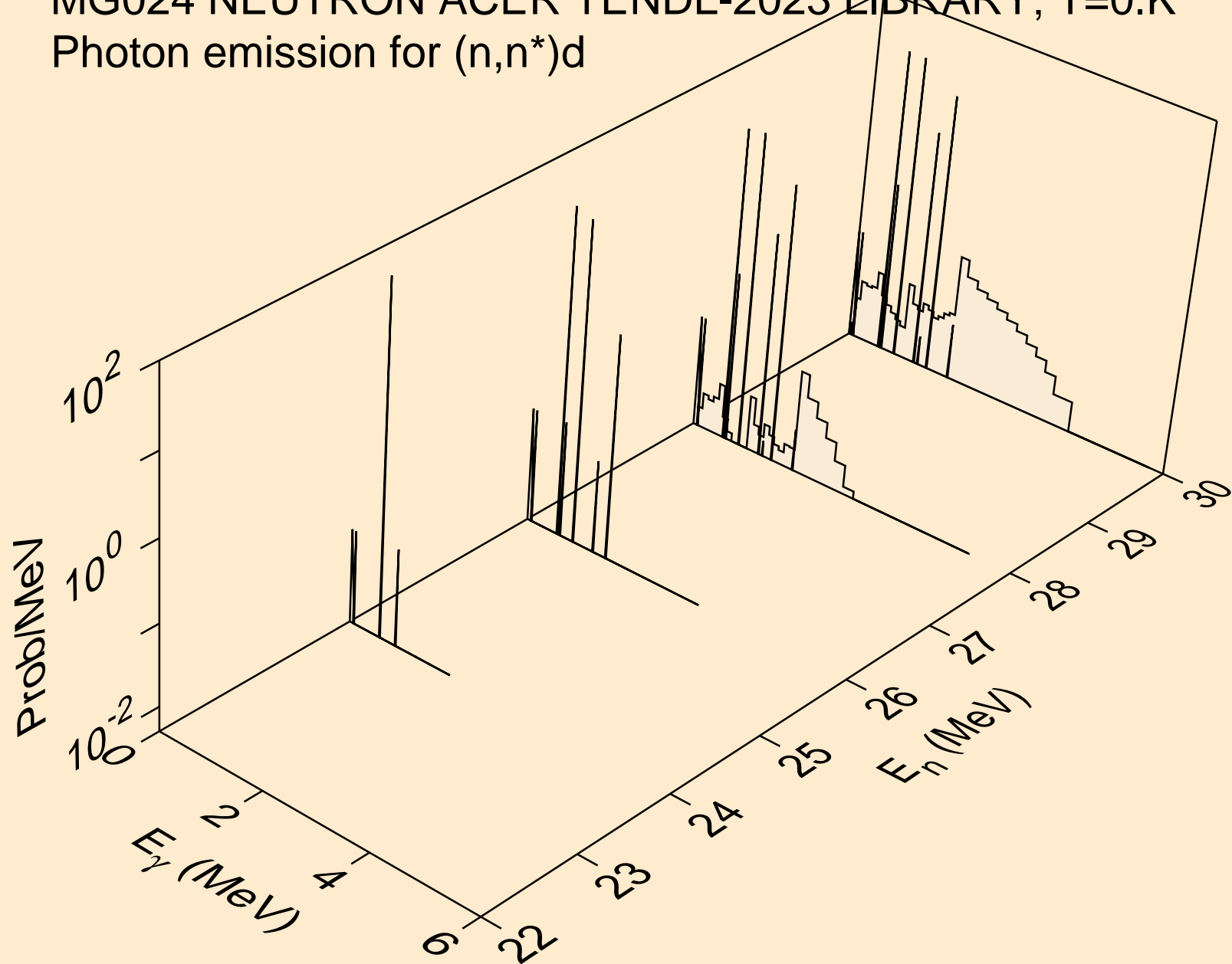
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



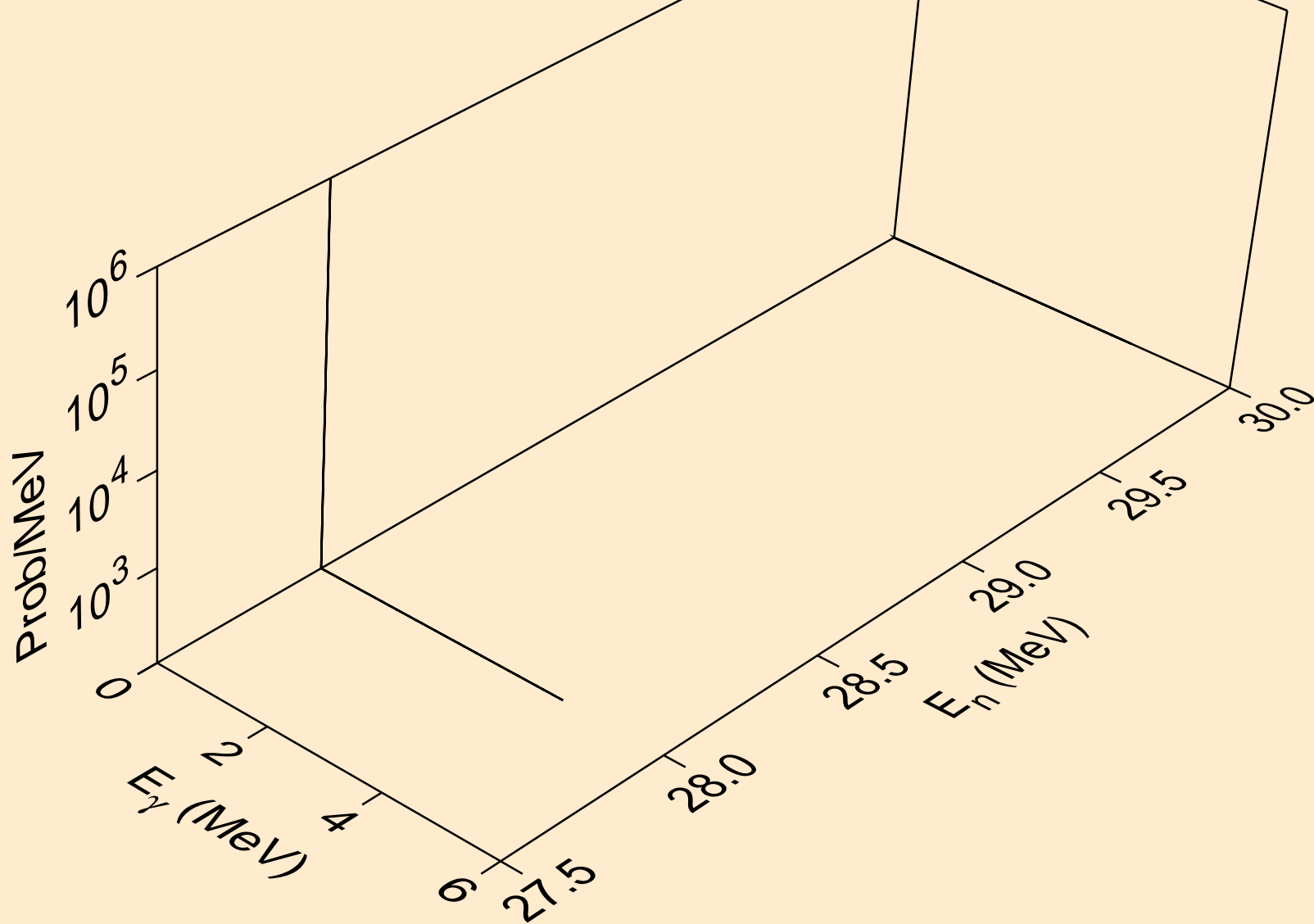
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



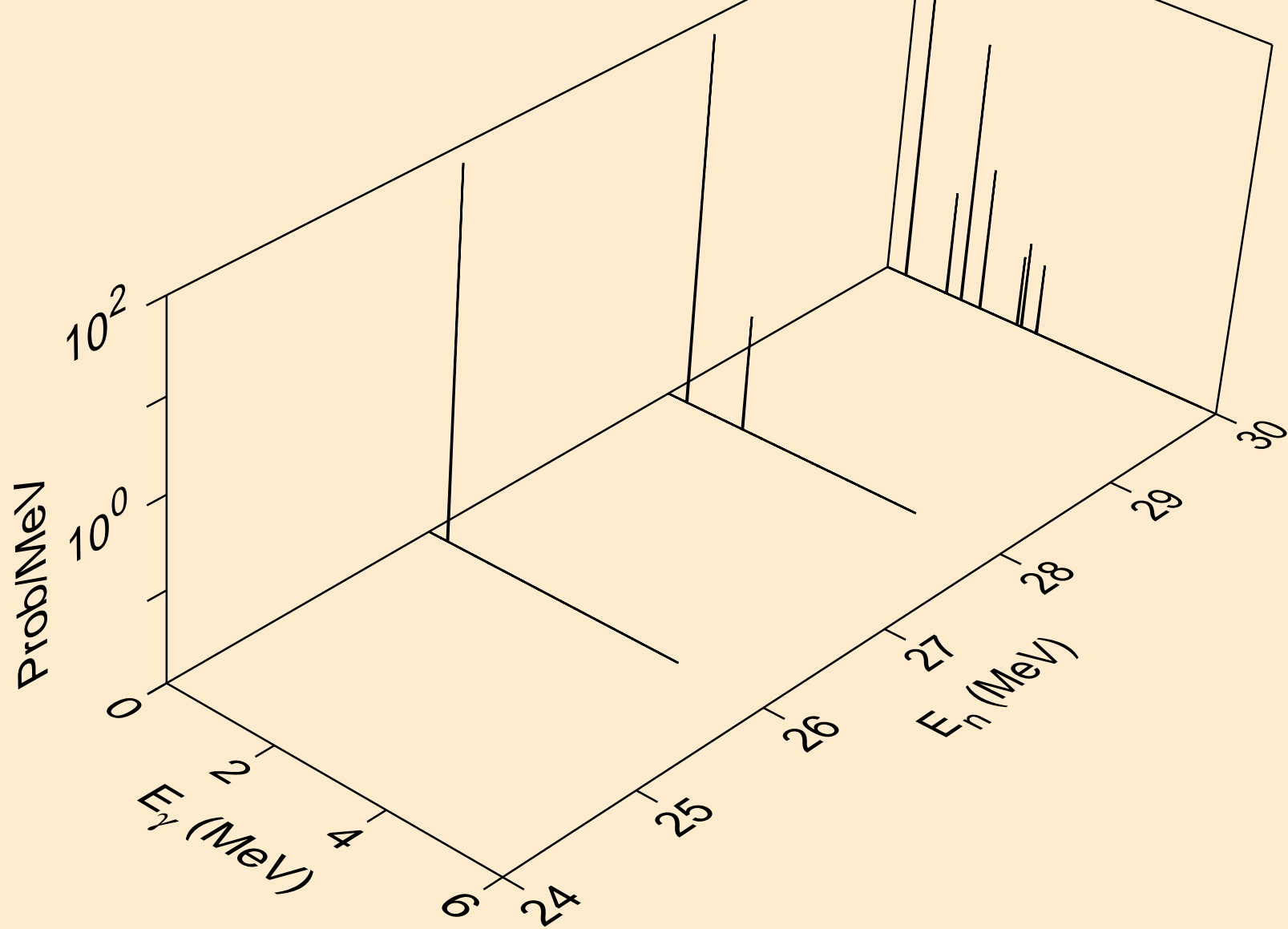
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



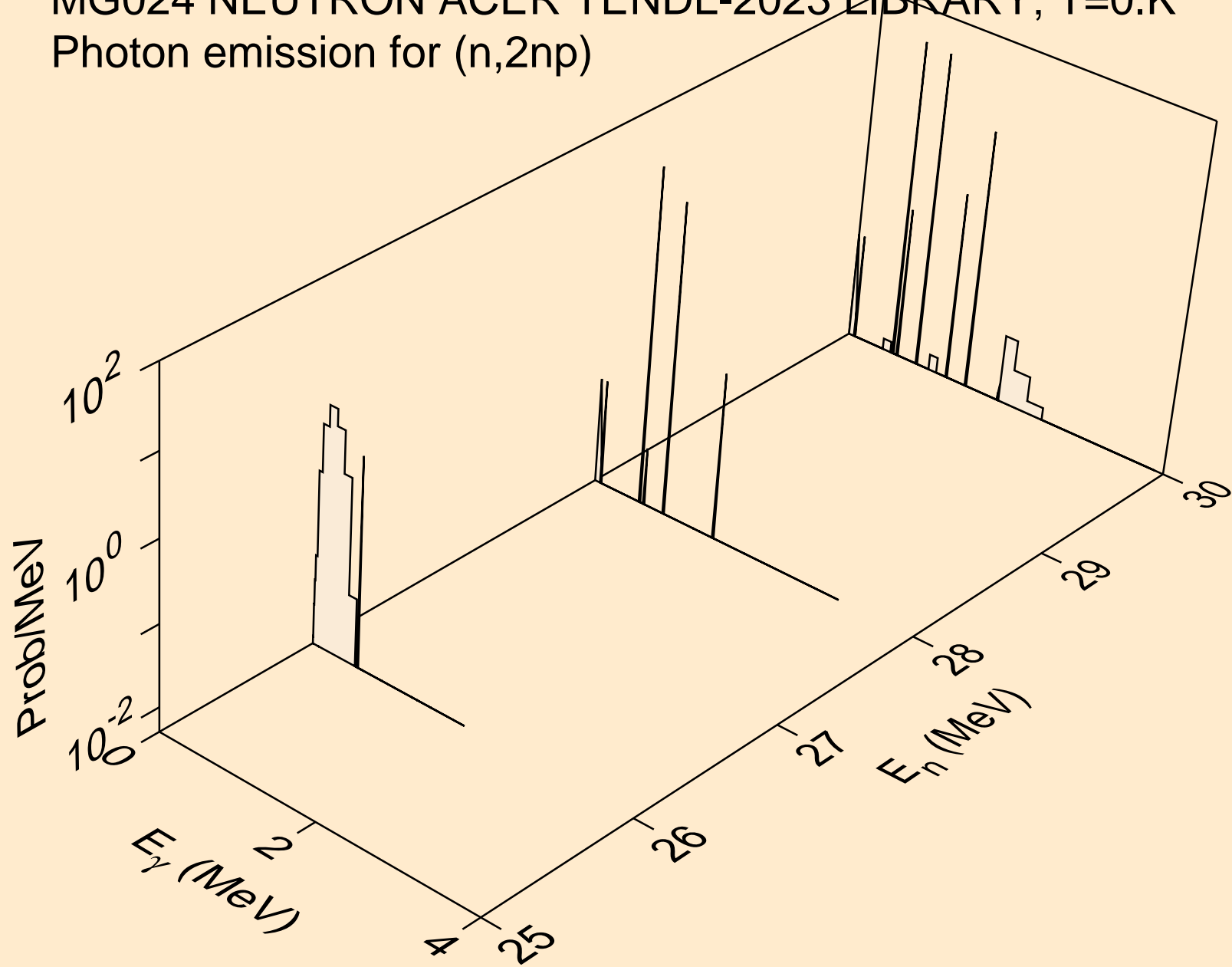
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

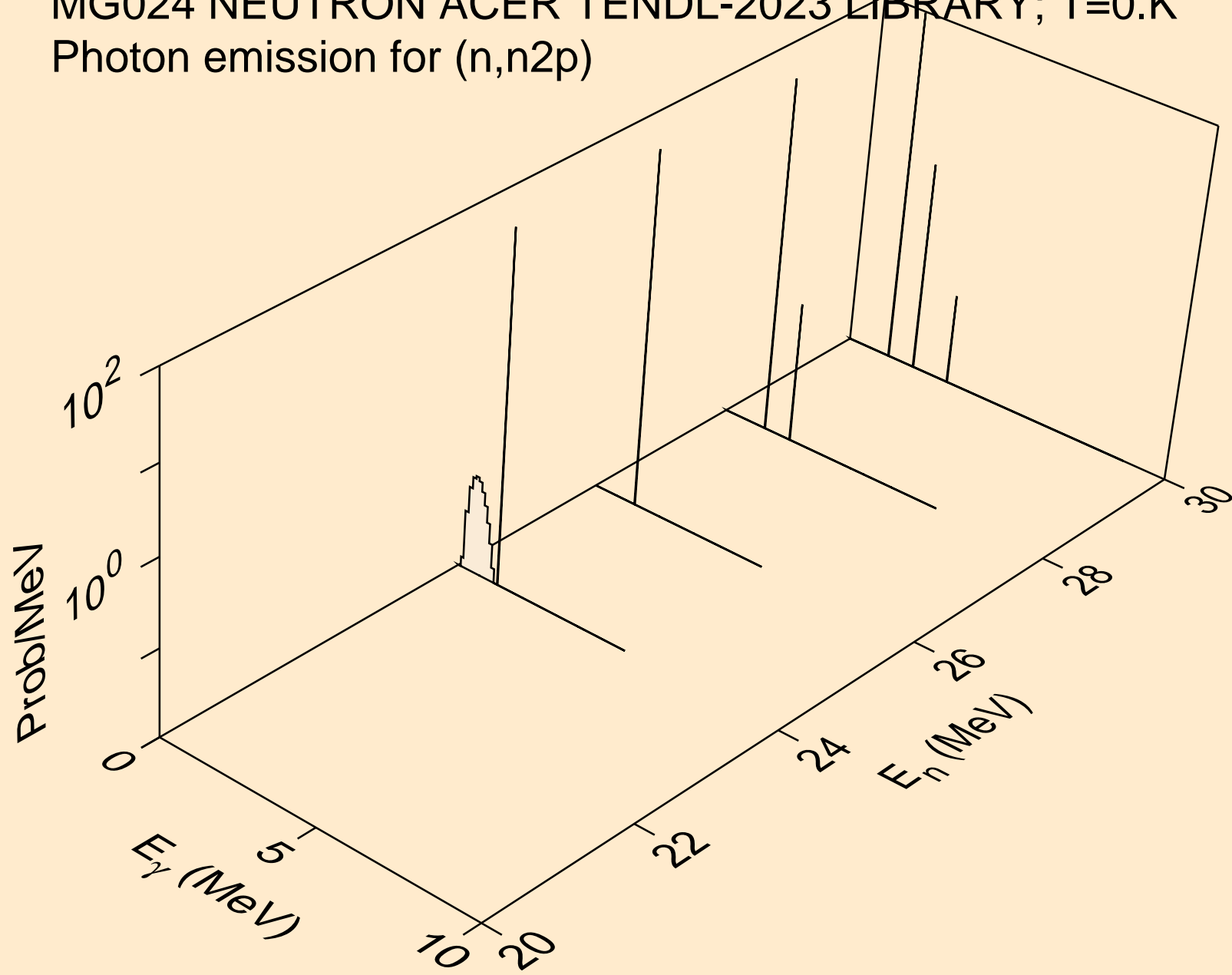


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

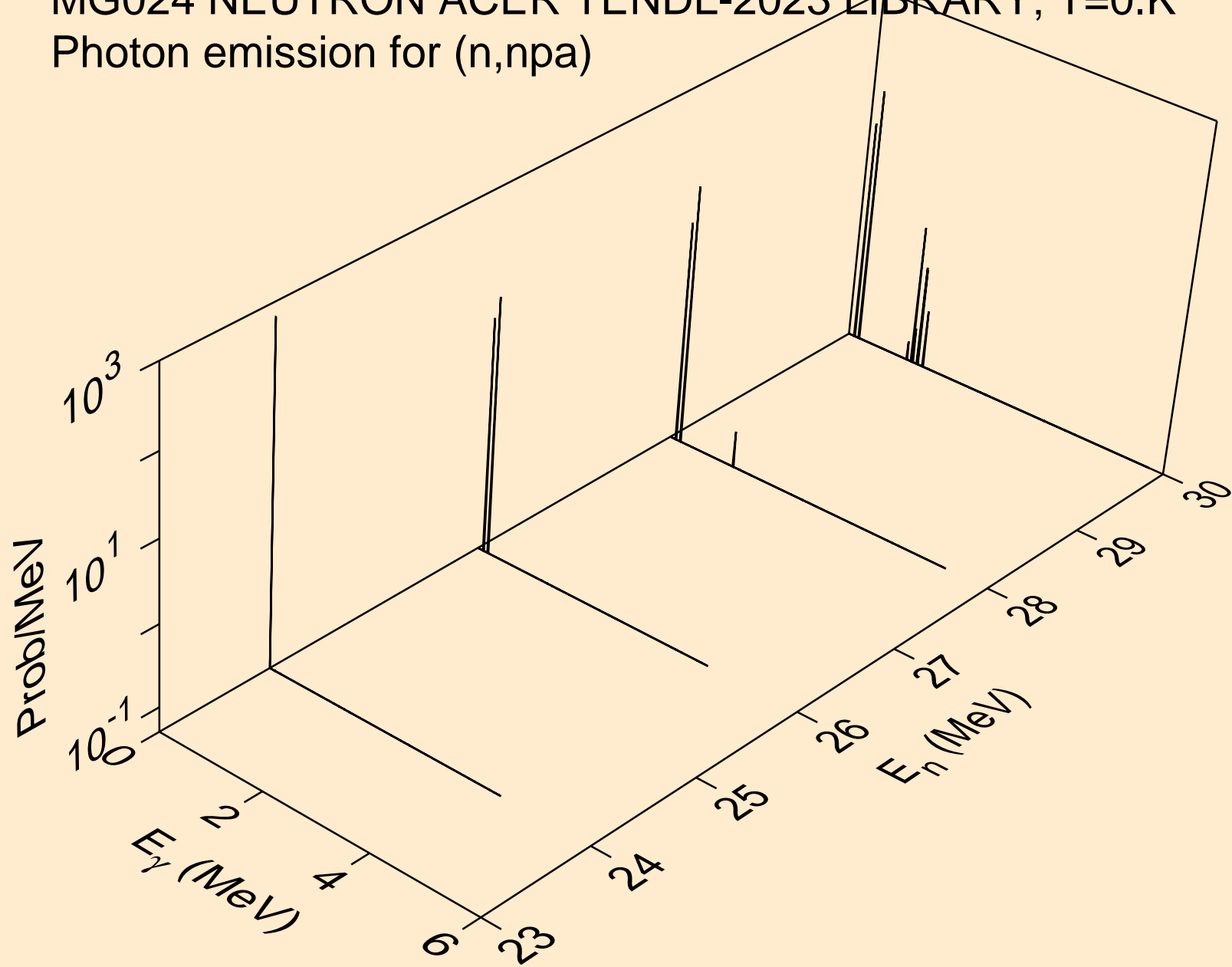




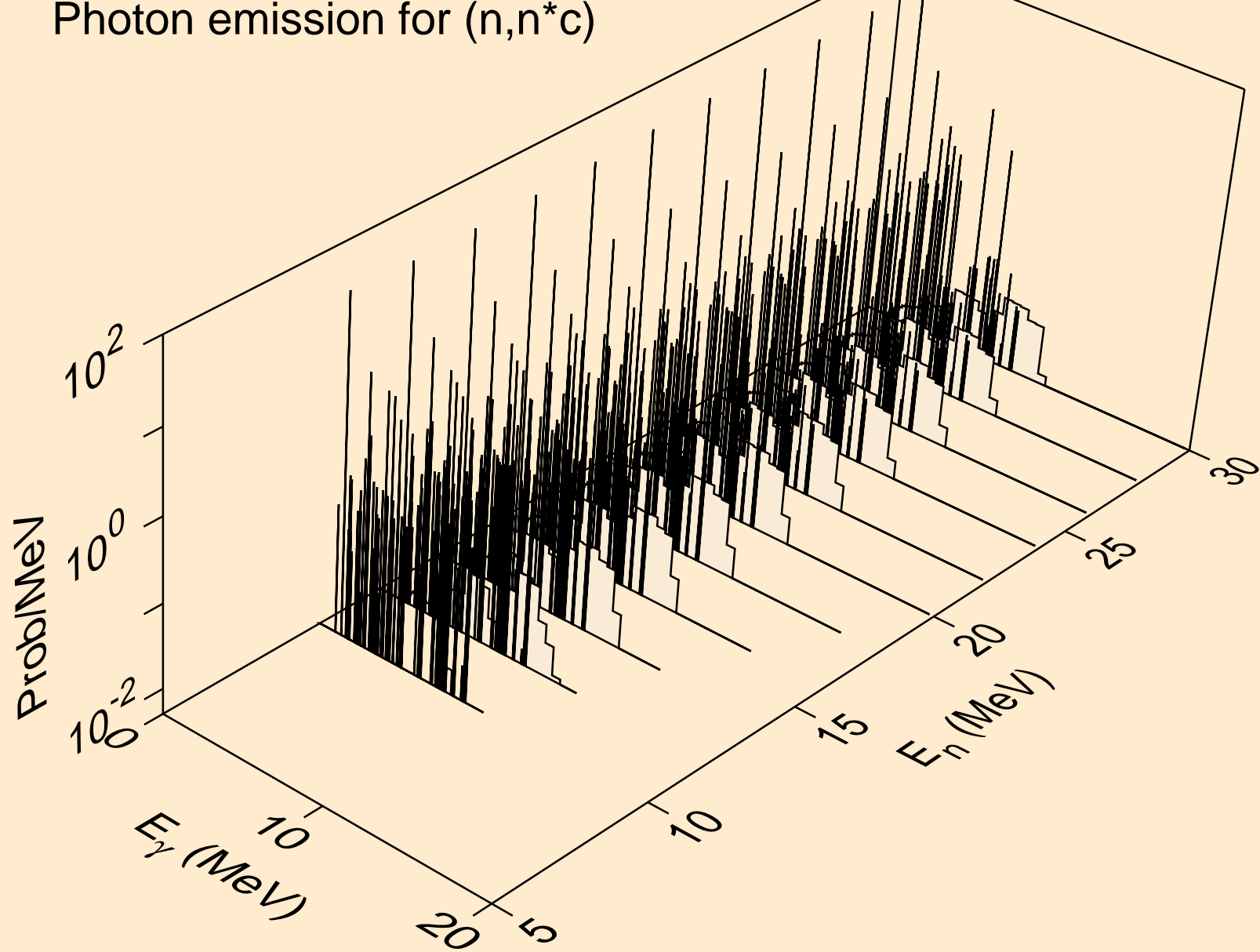
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



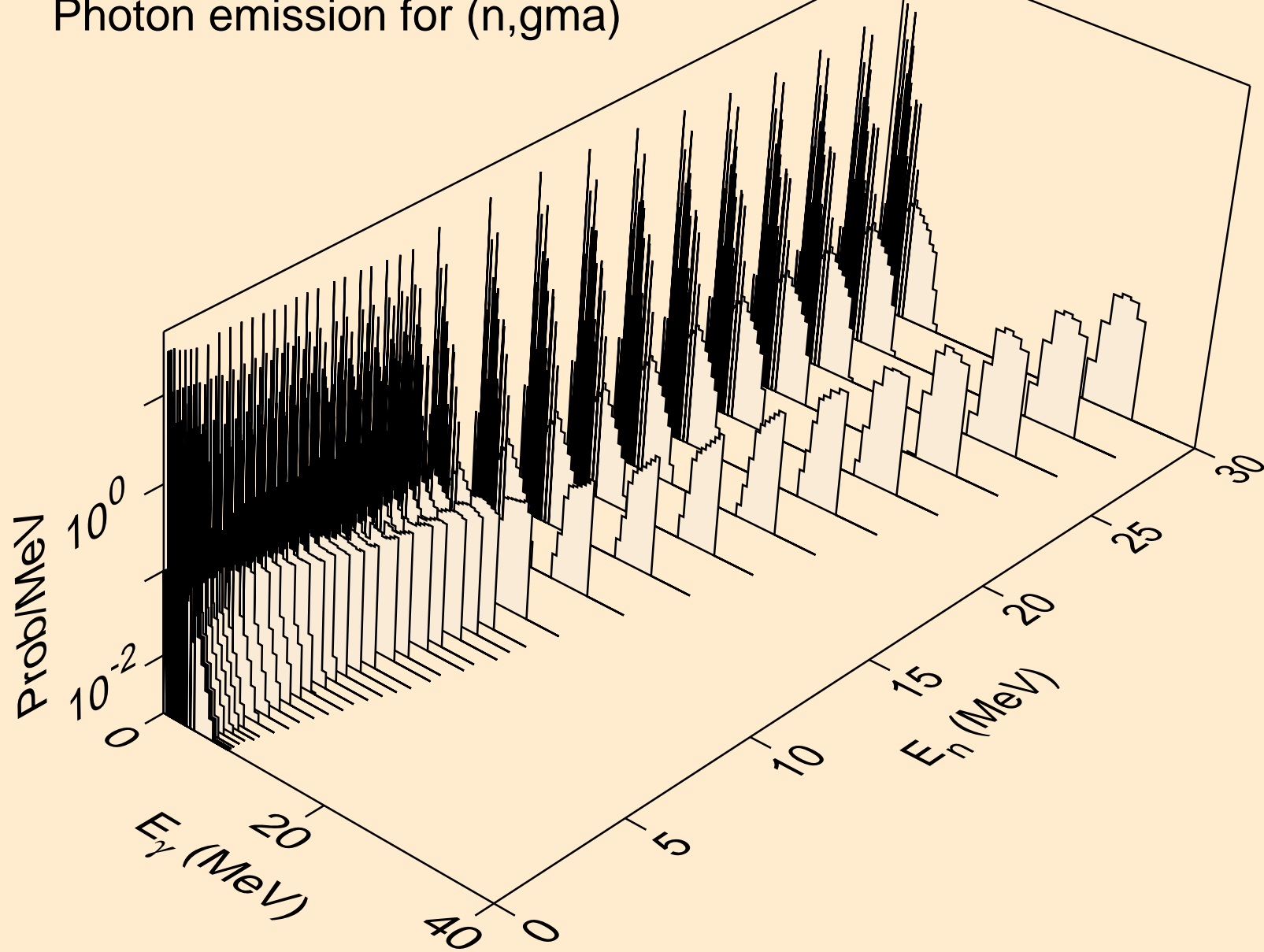
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



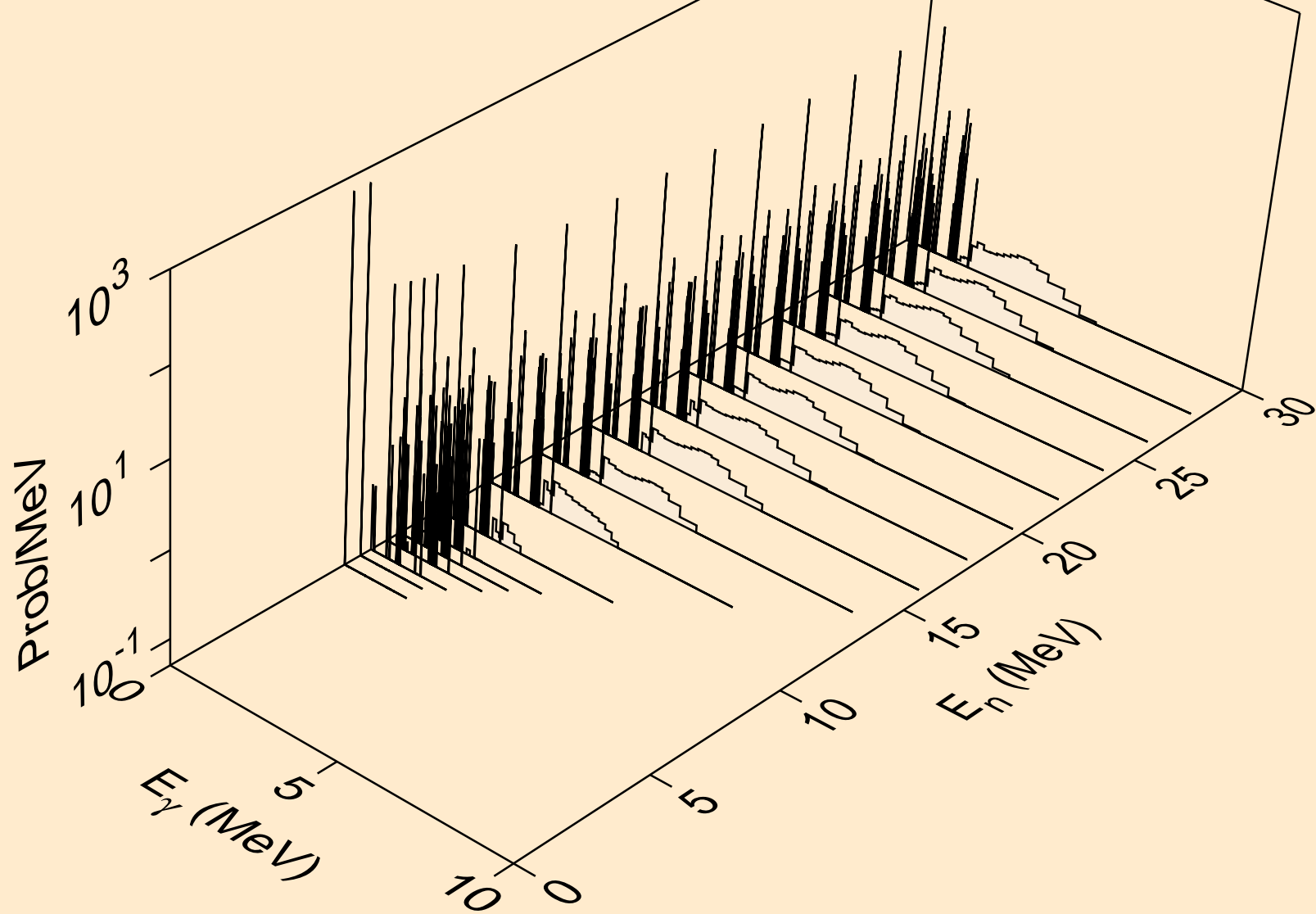
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



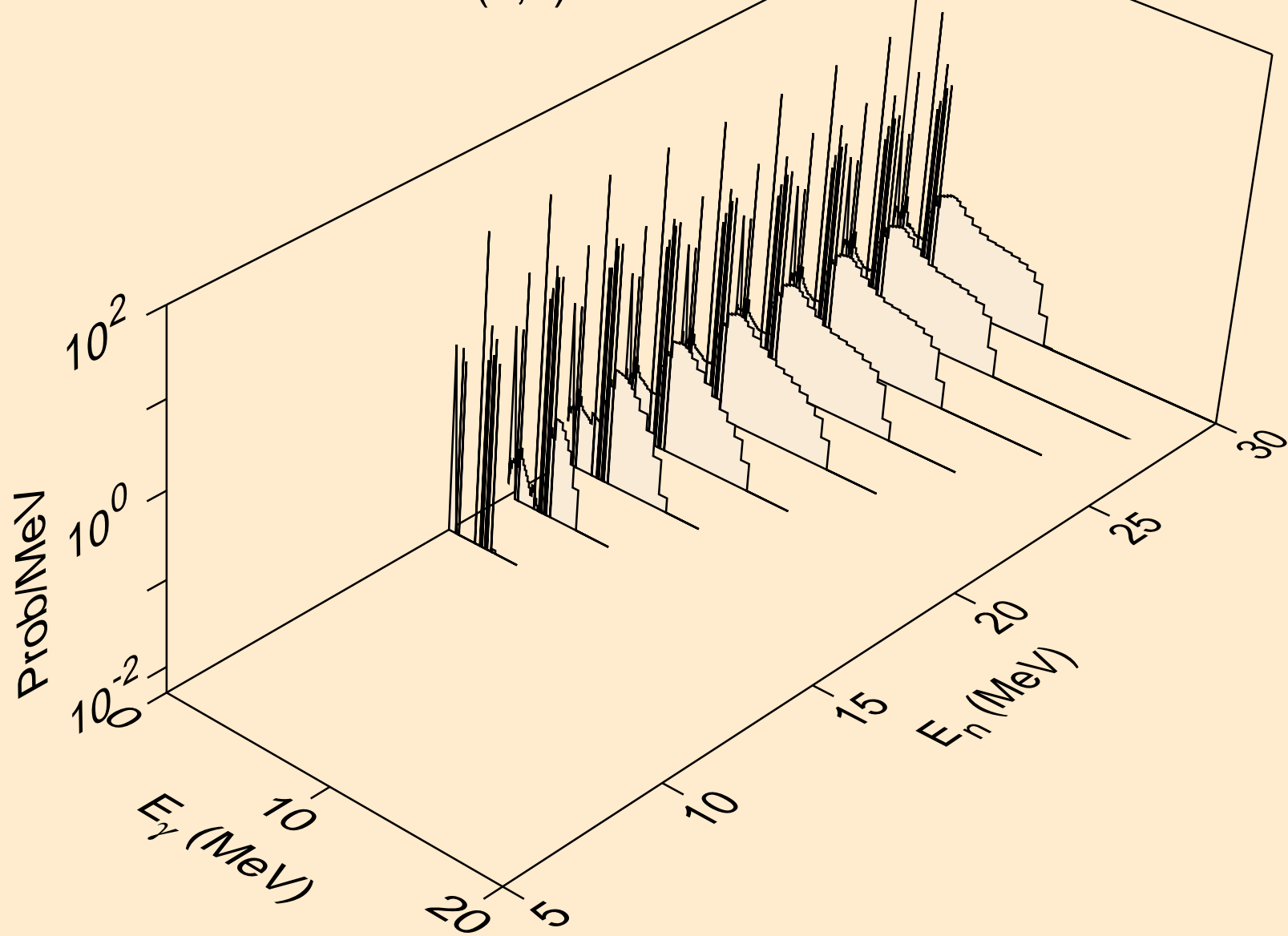
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



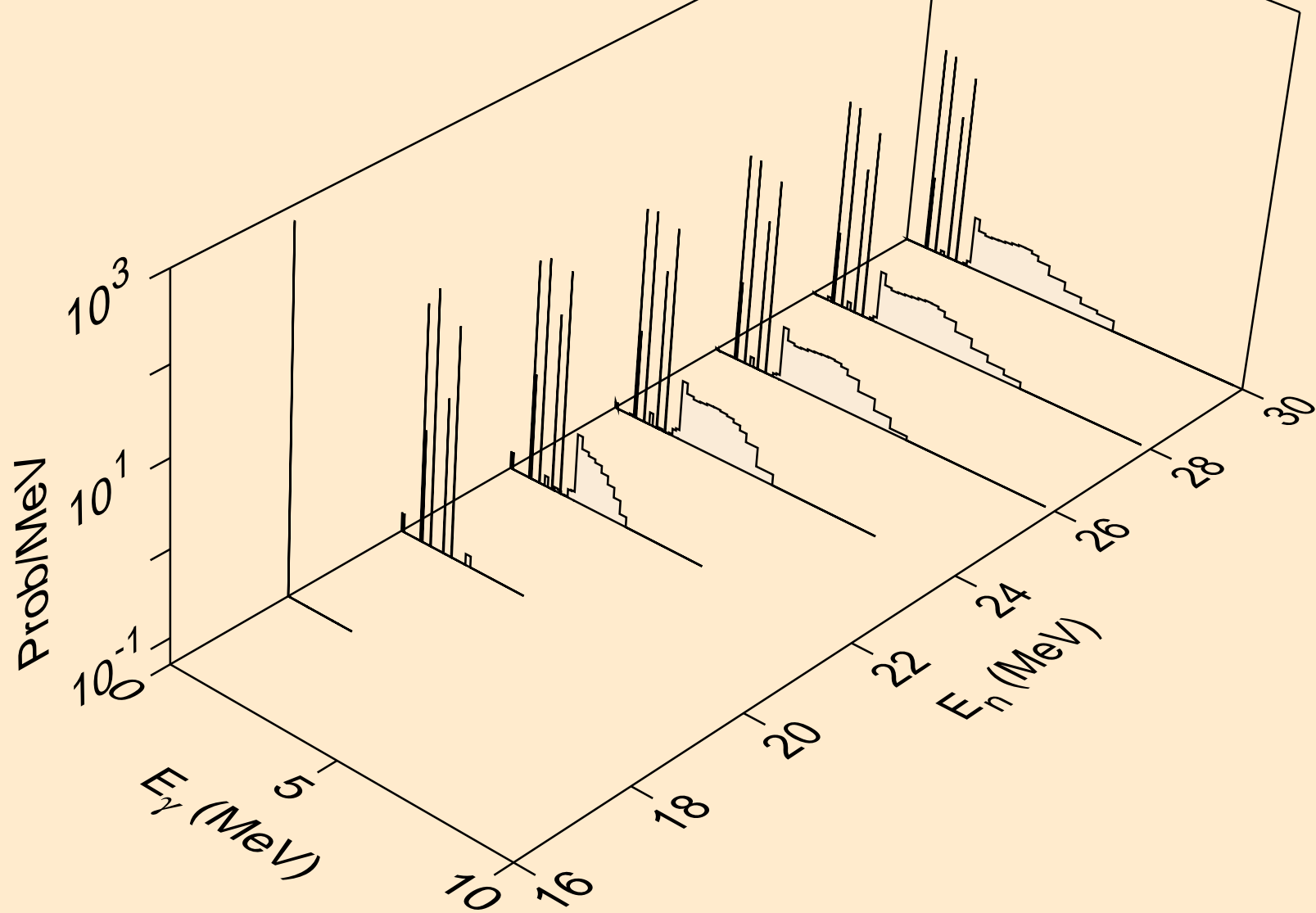
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



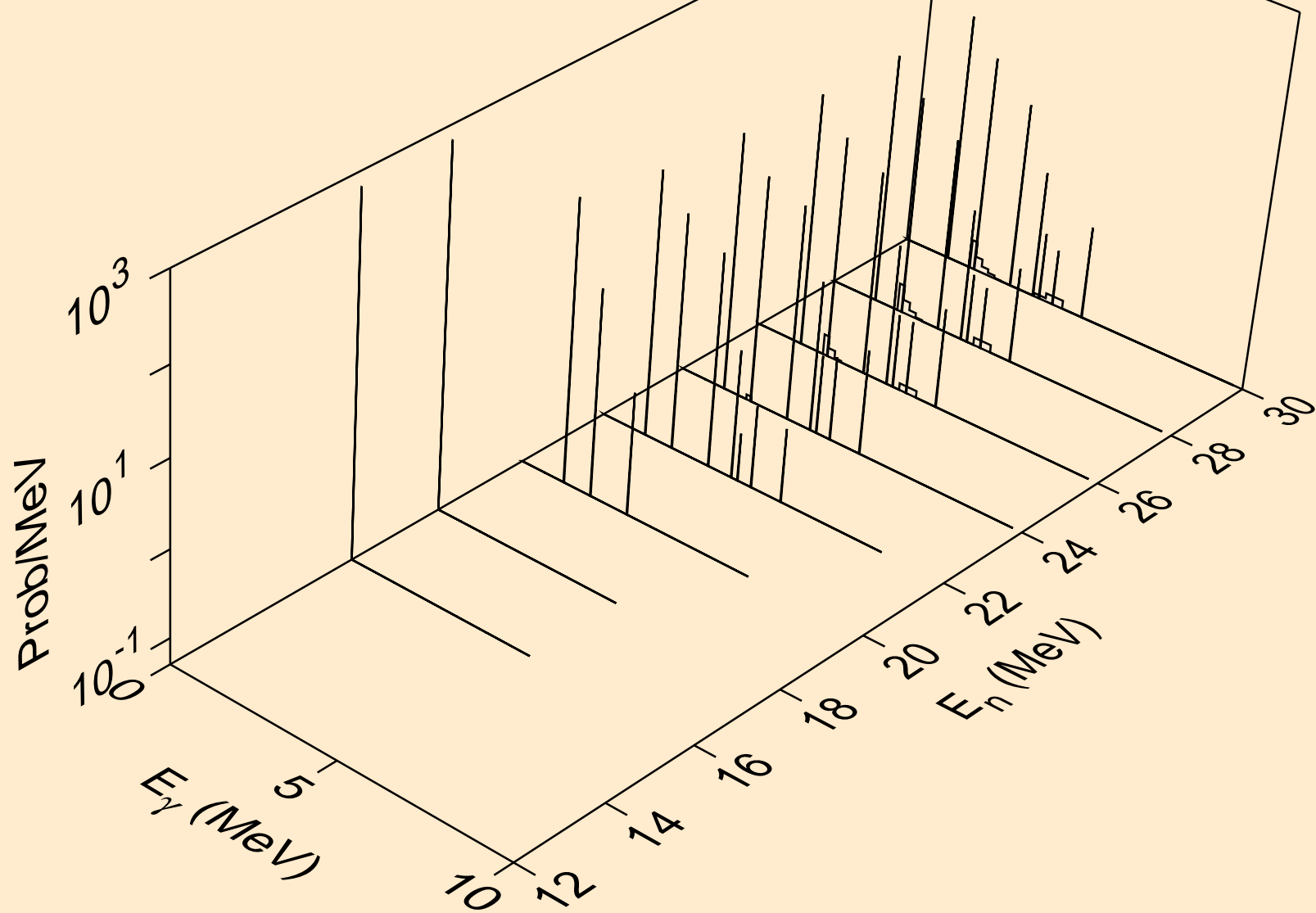
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

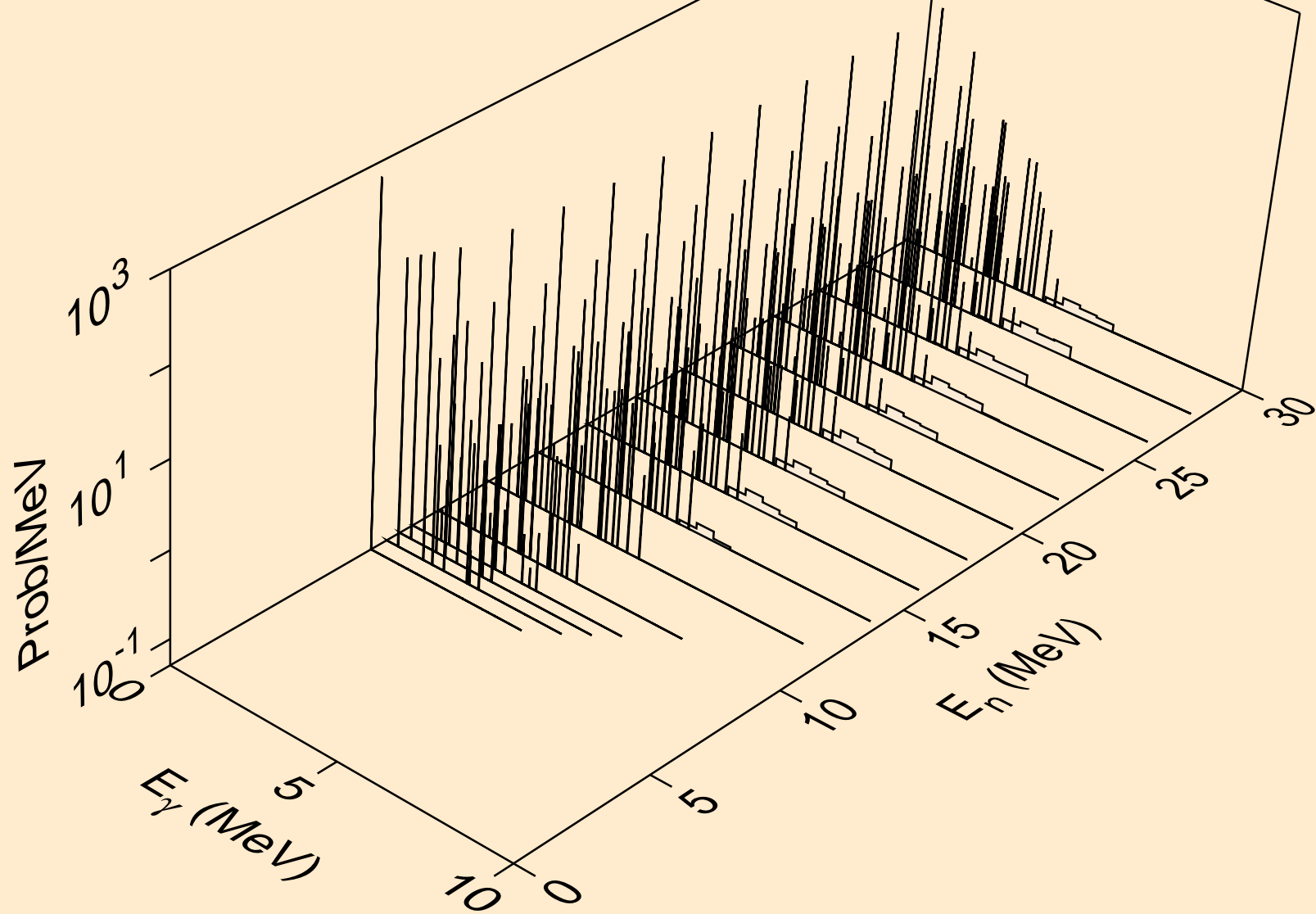


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

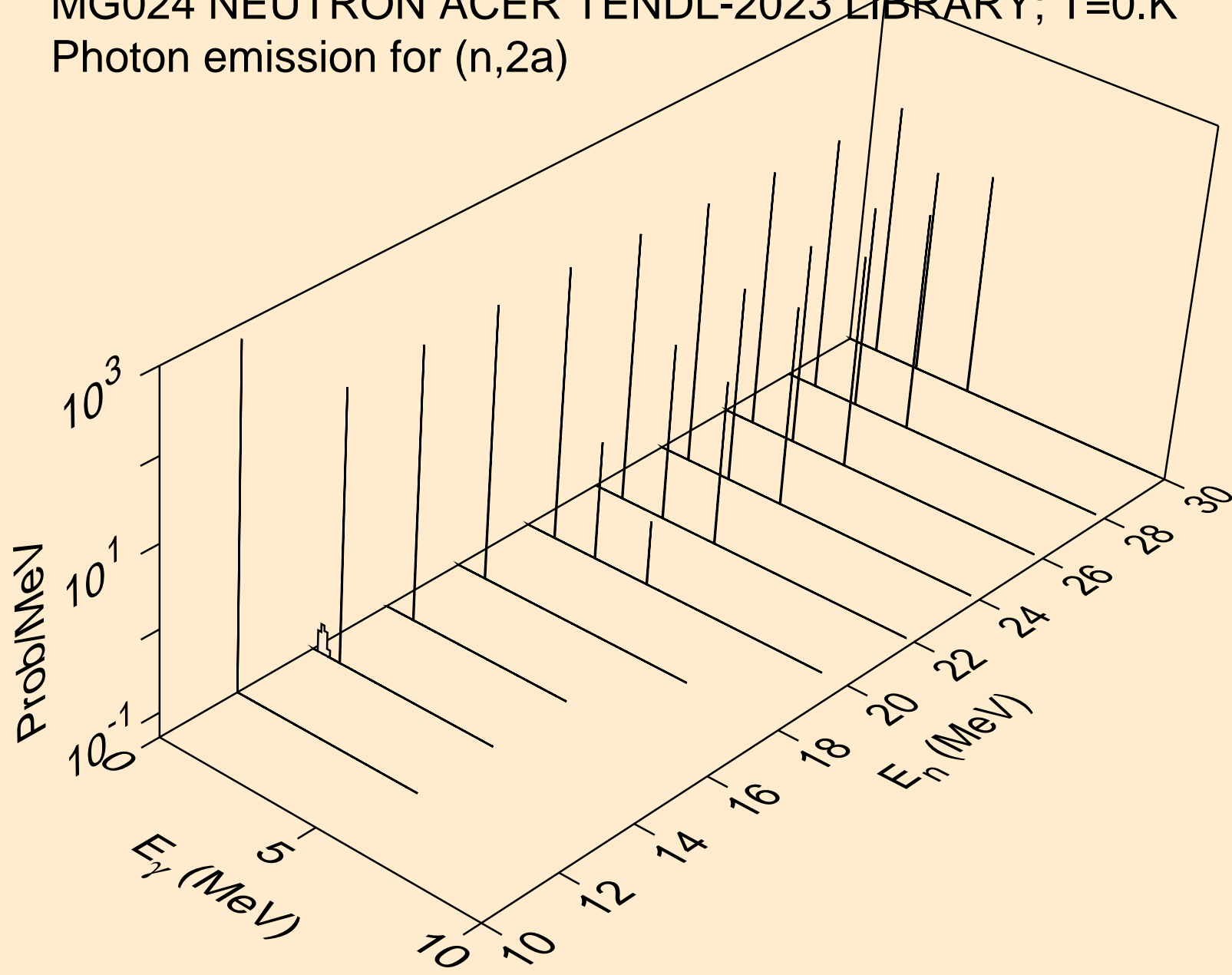




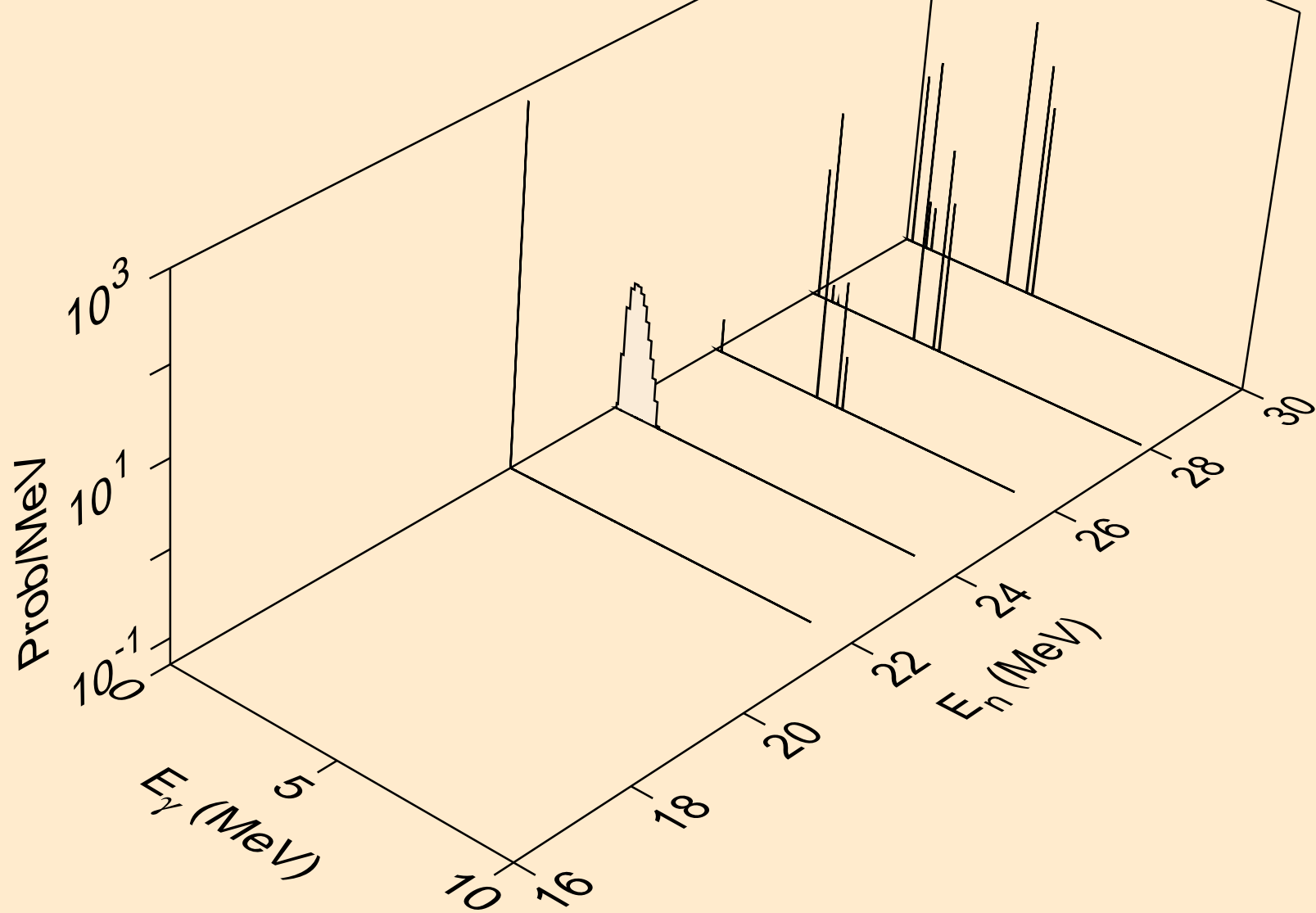
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



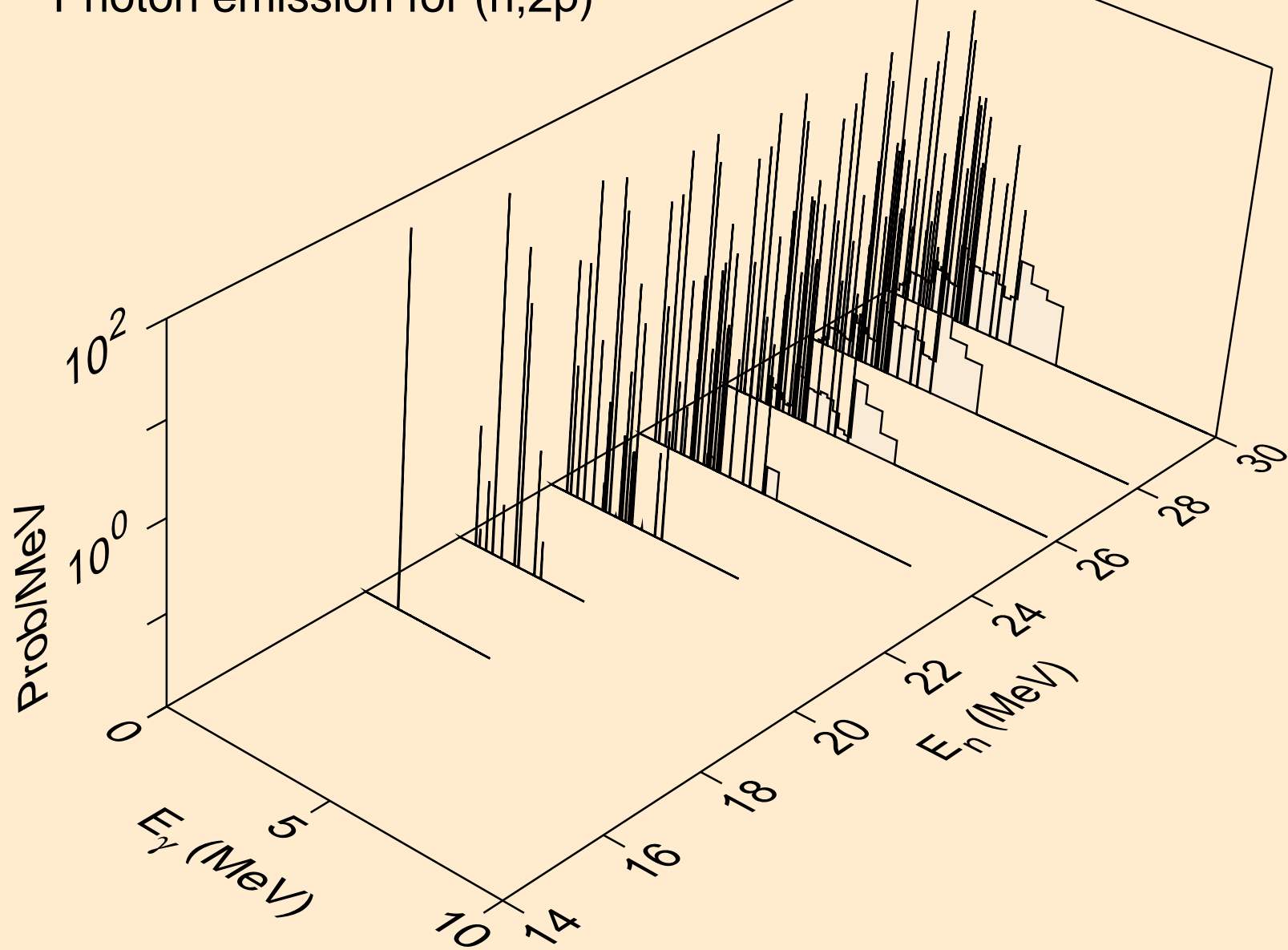
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



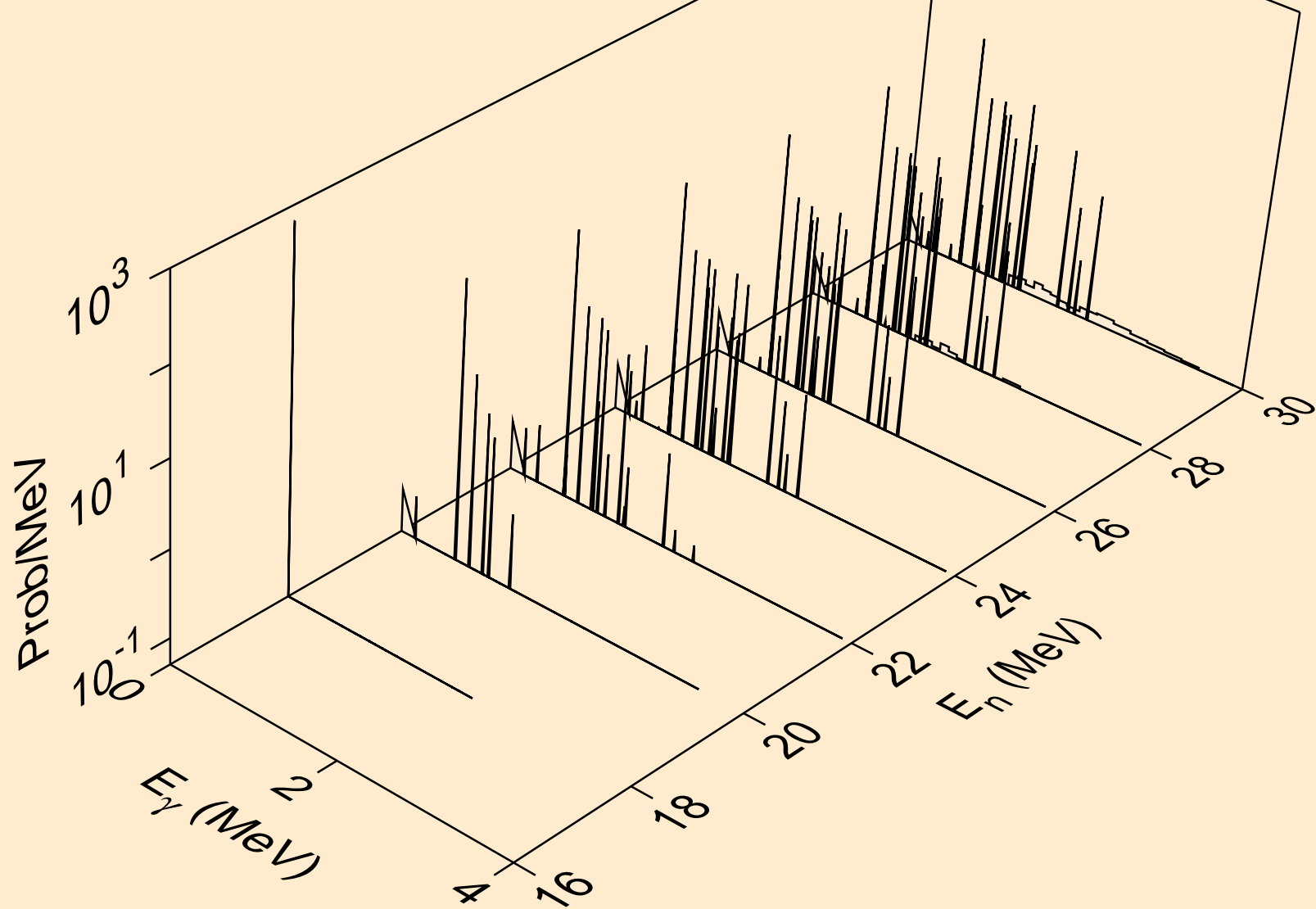
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



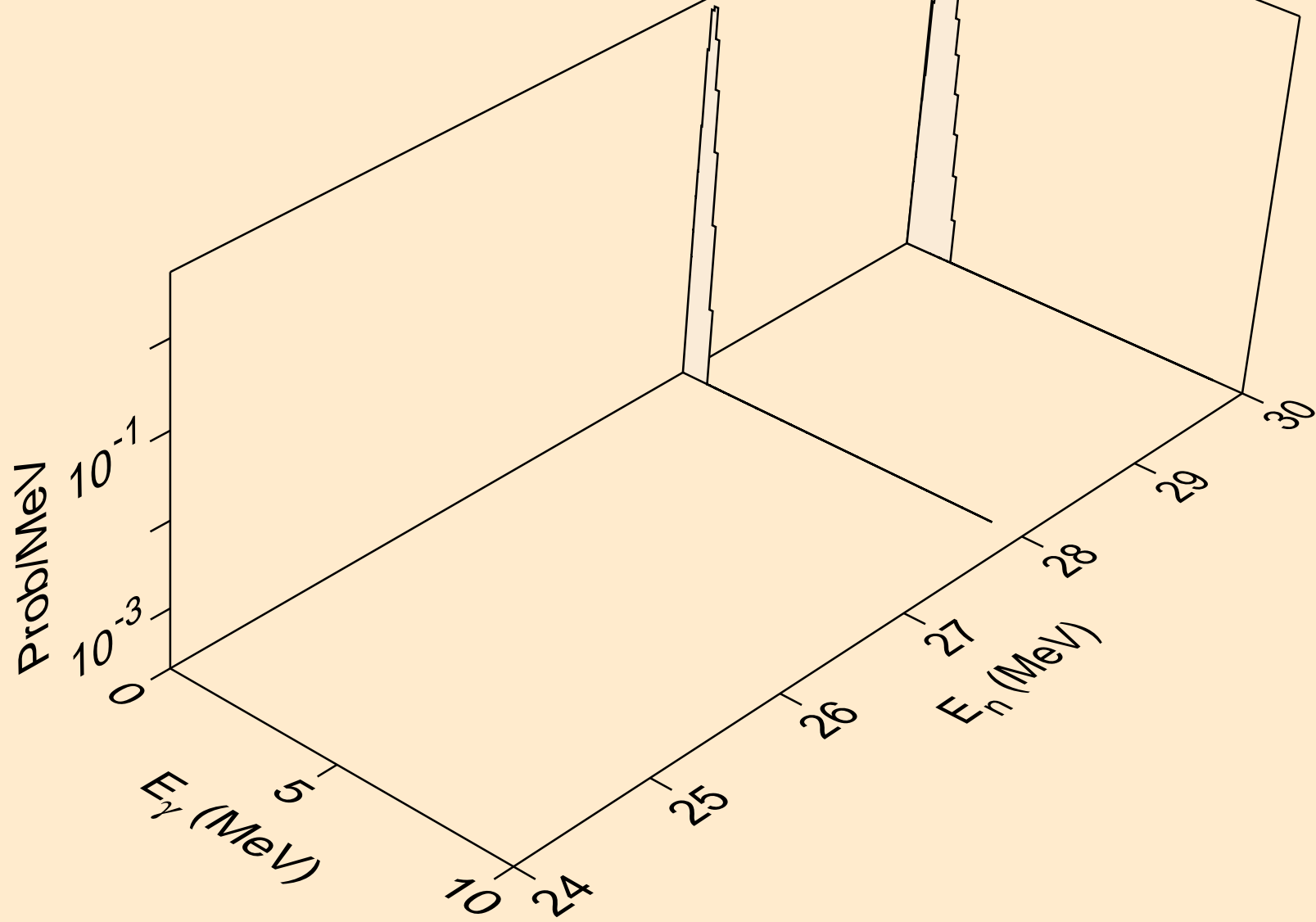
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Photon emission for (n,2p)



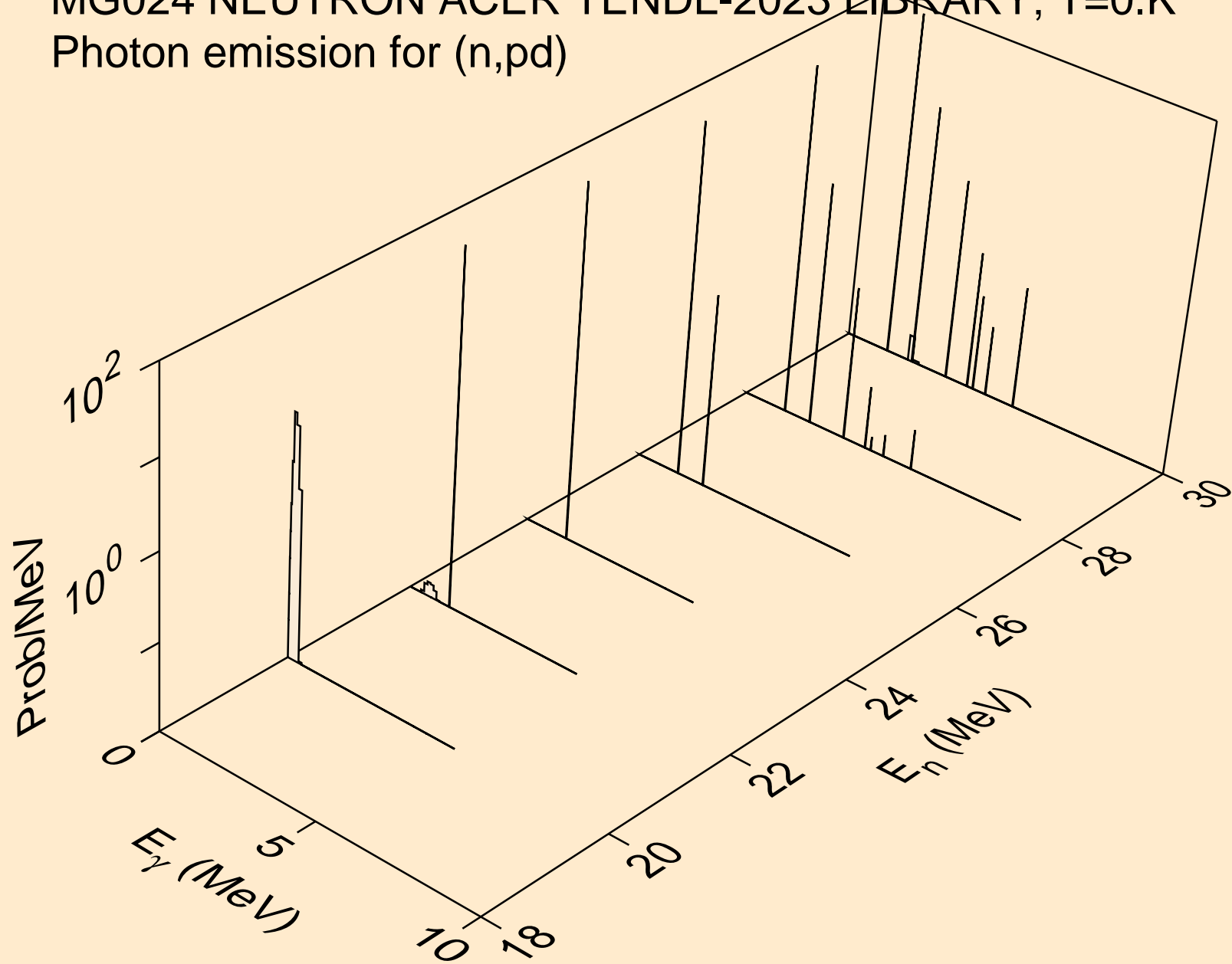
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



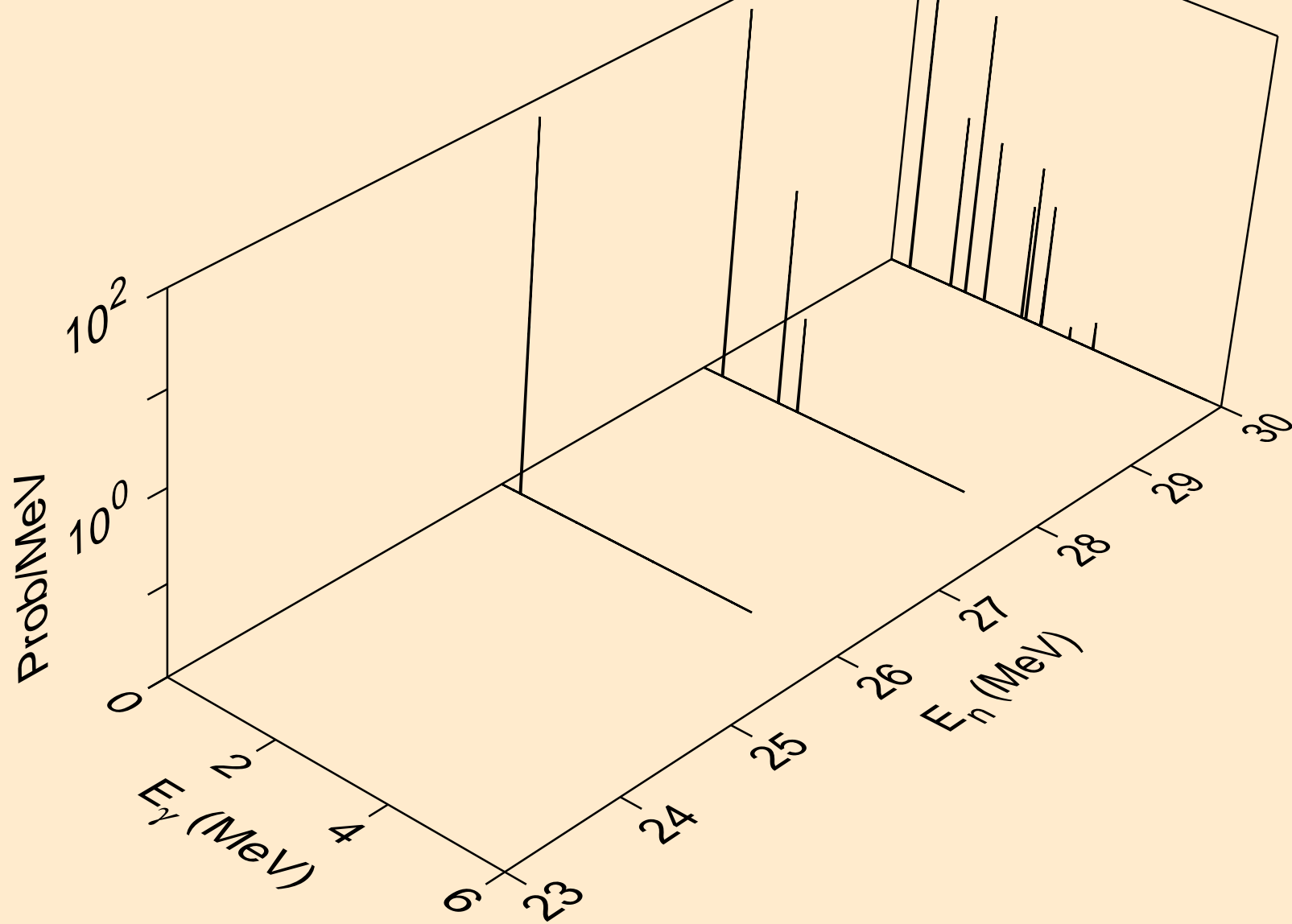
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

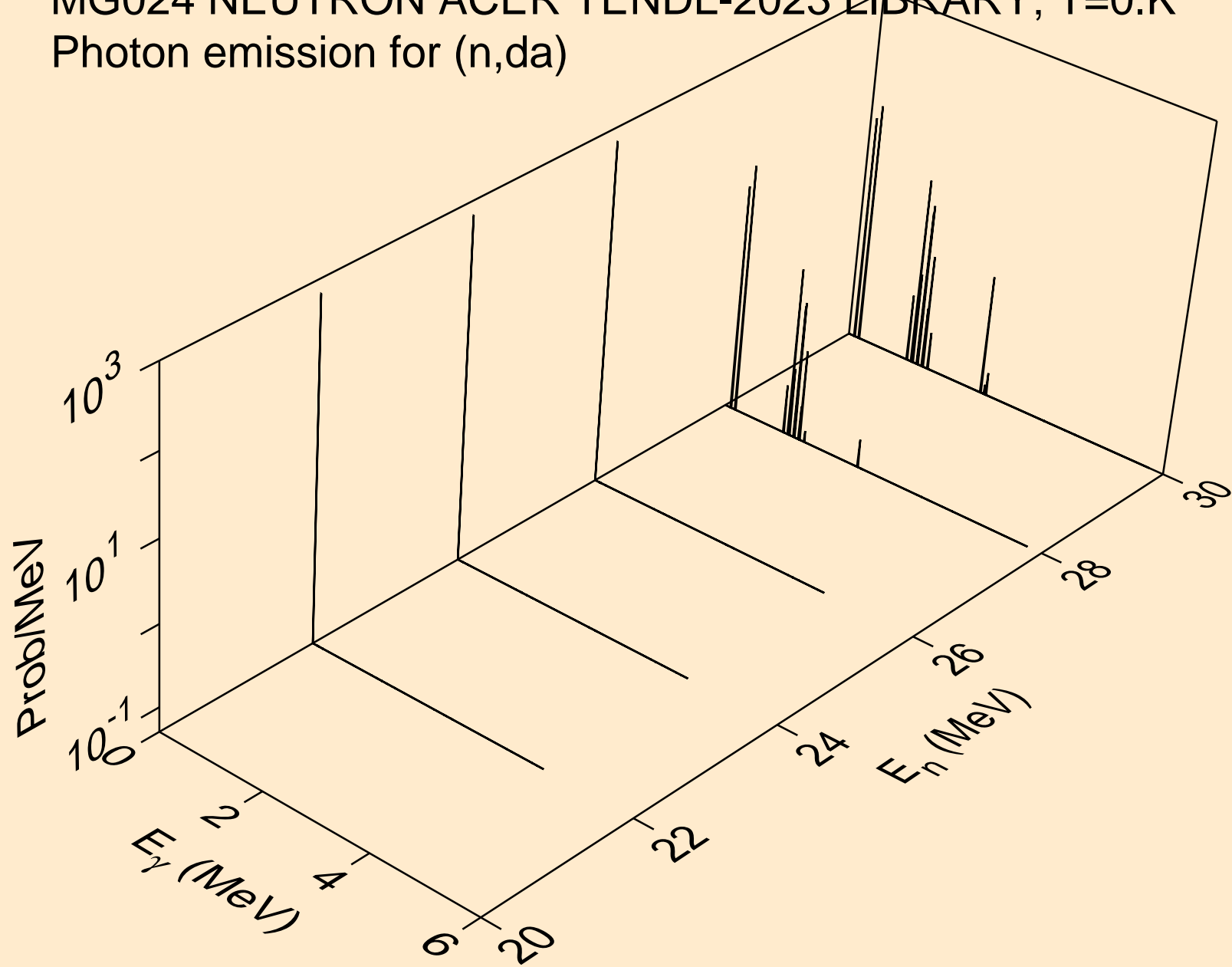


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

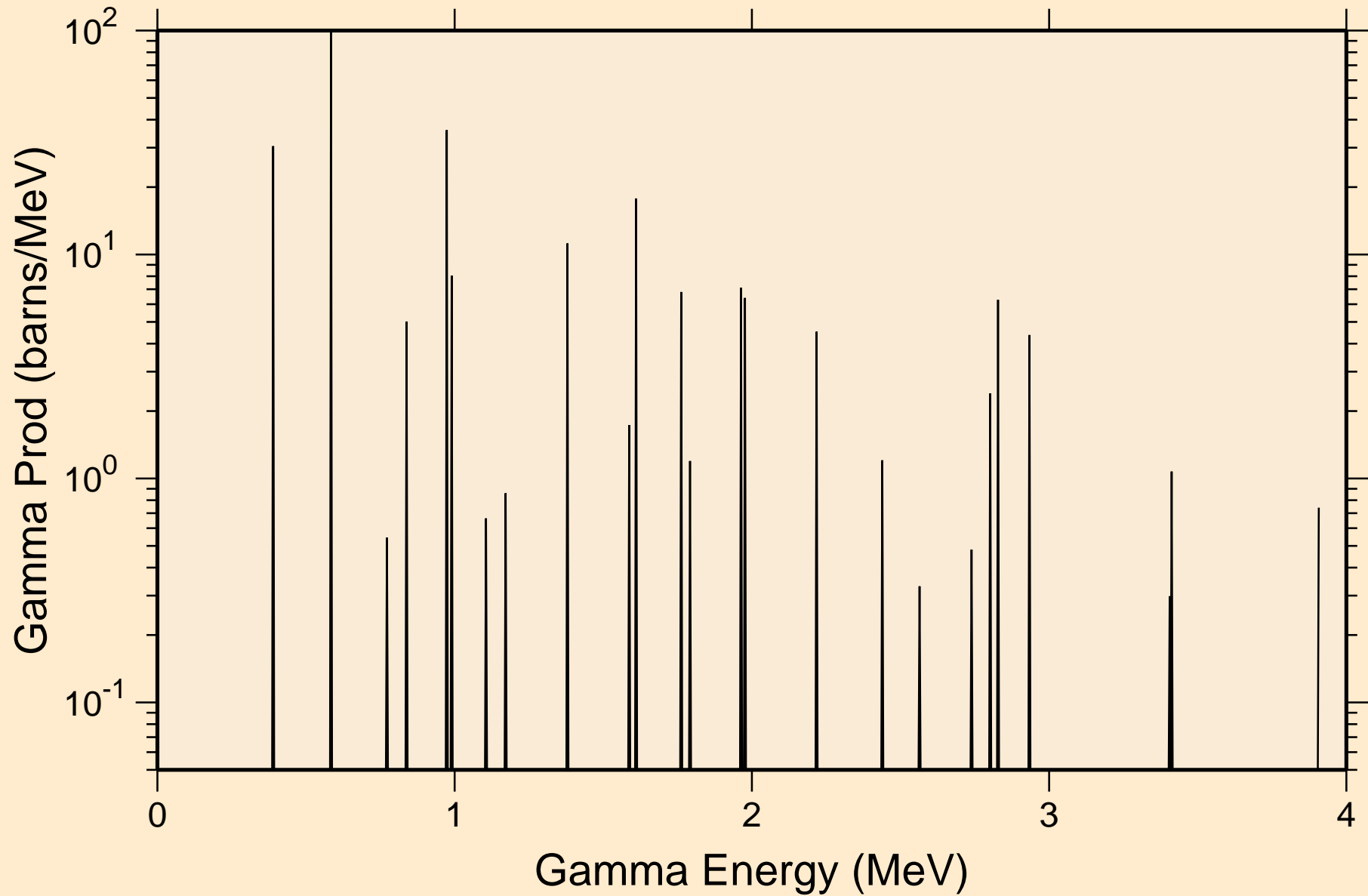




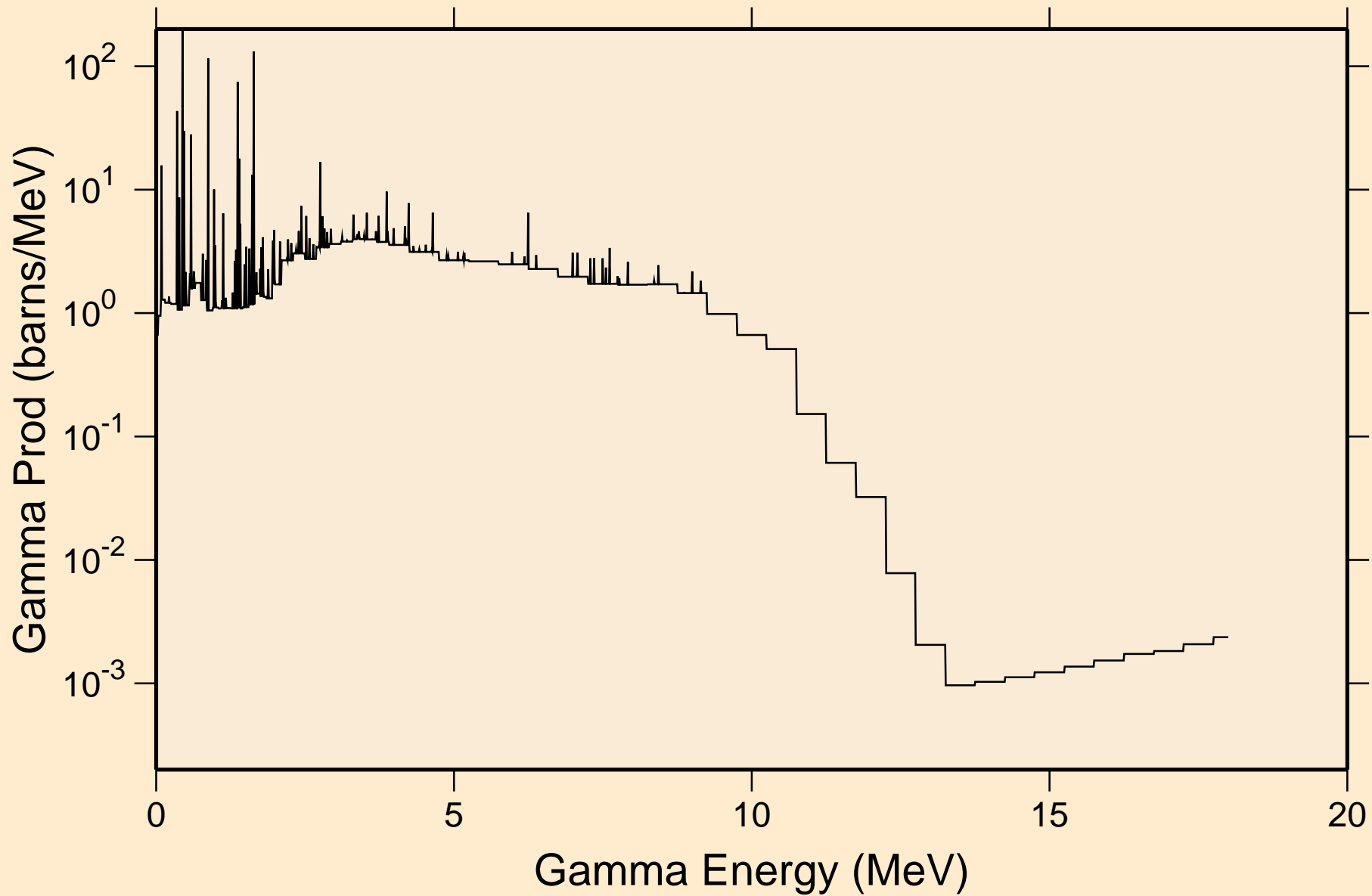
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

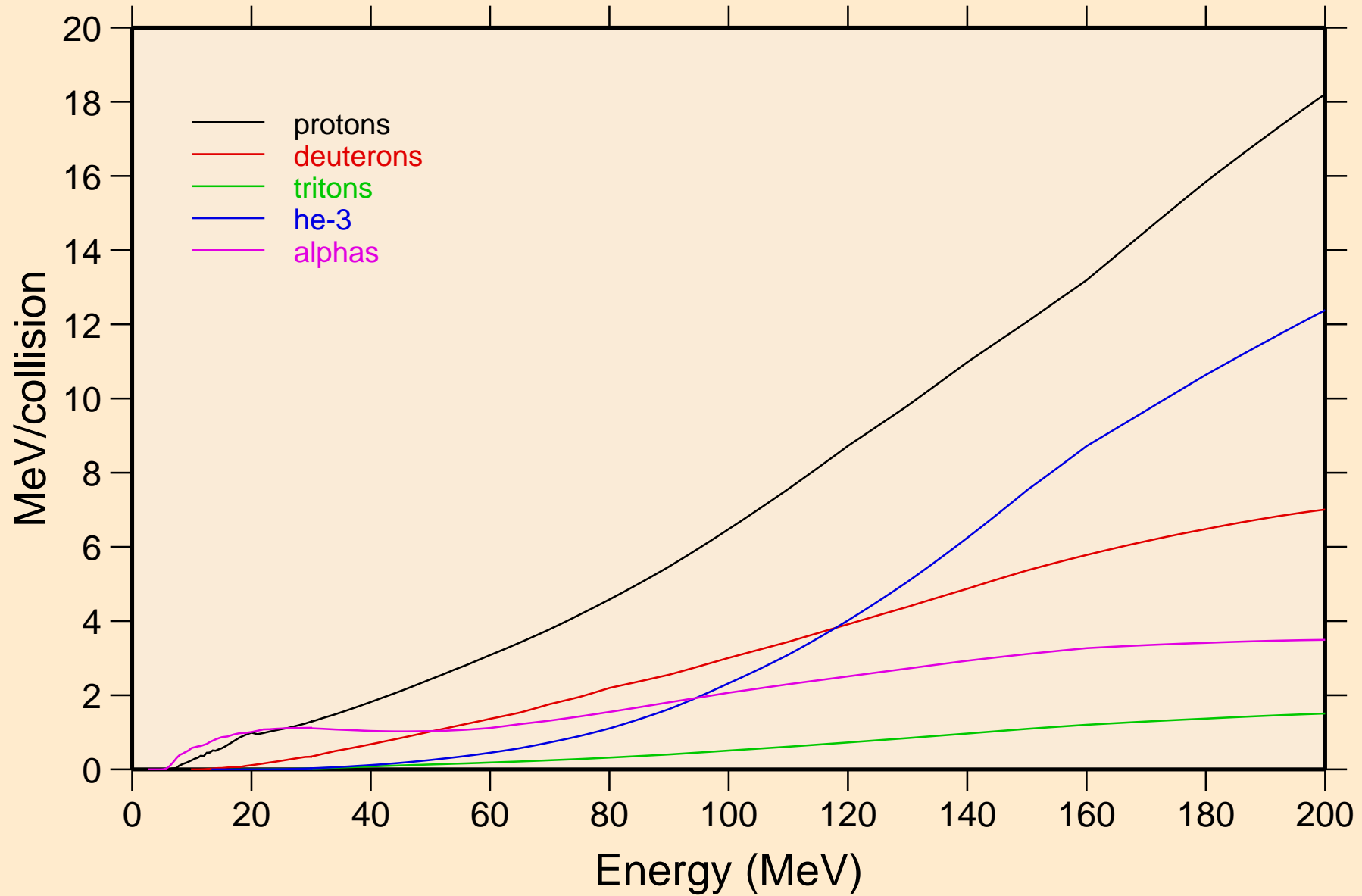


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

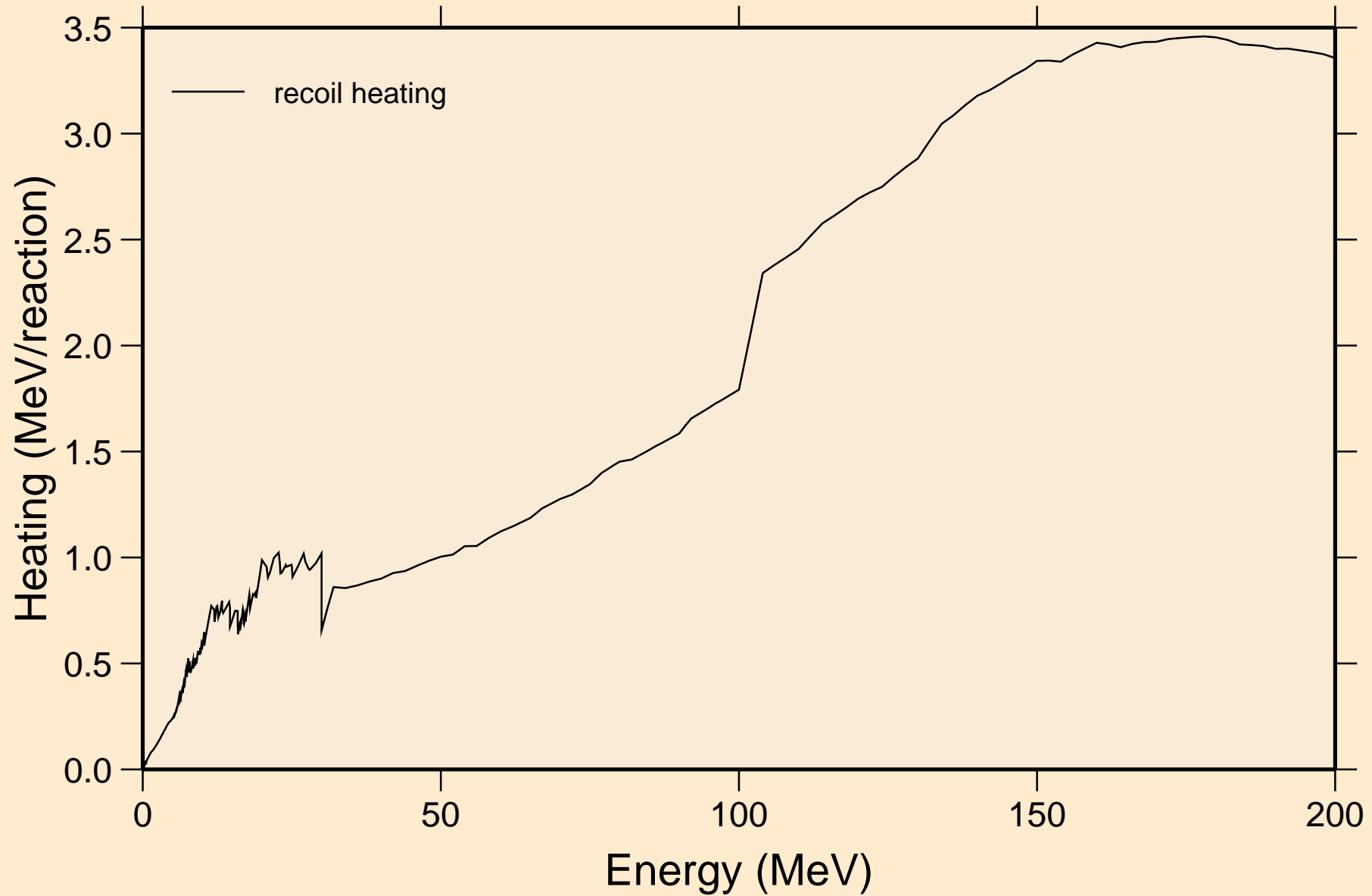


# MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

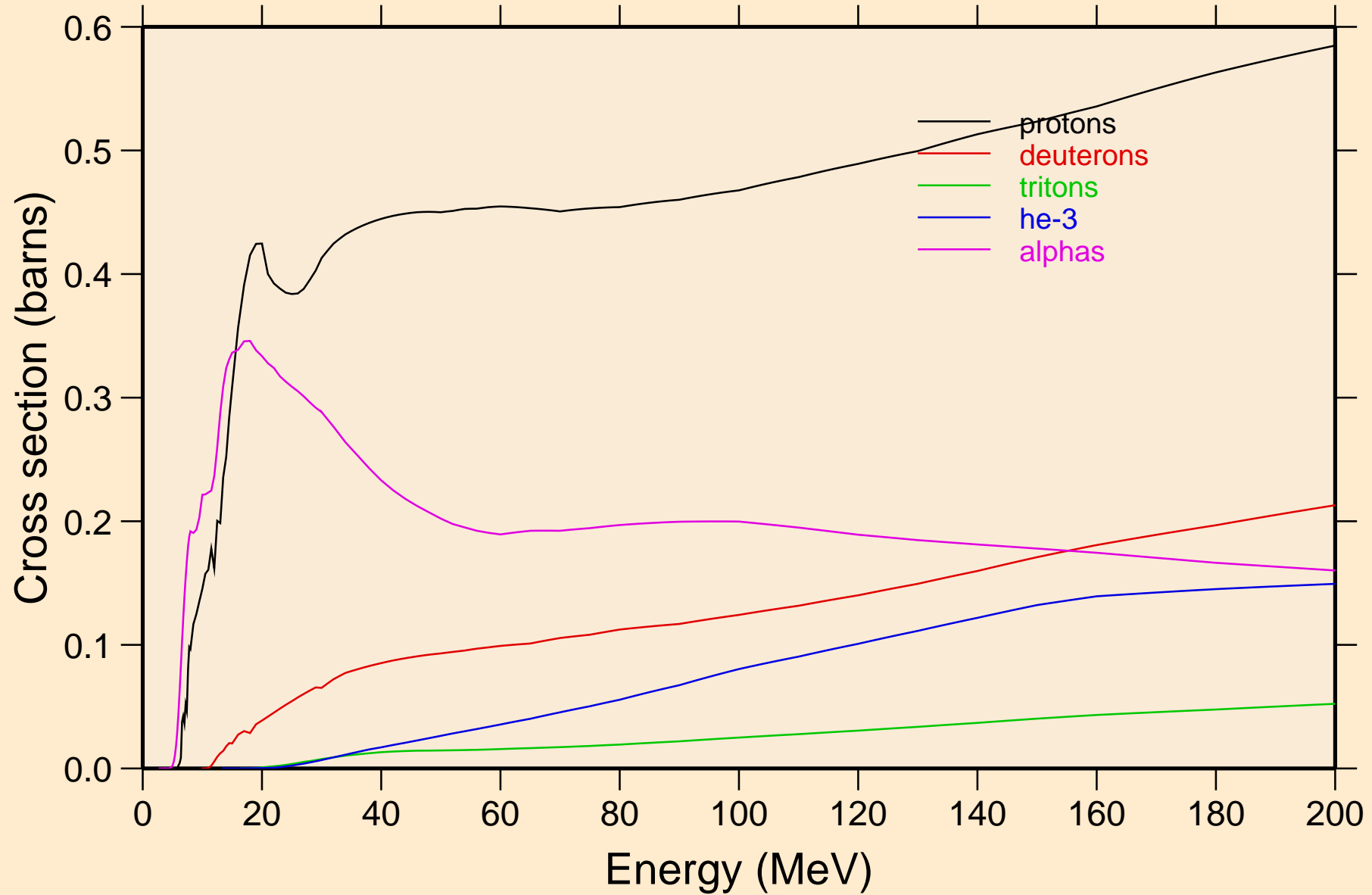
## Particle heating contributions



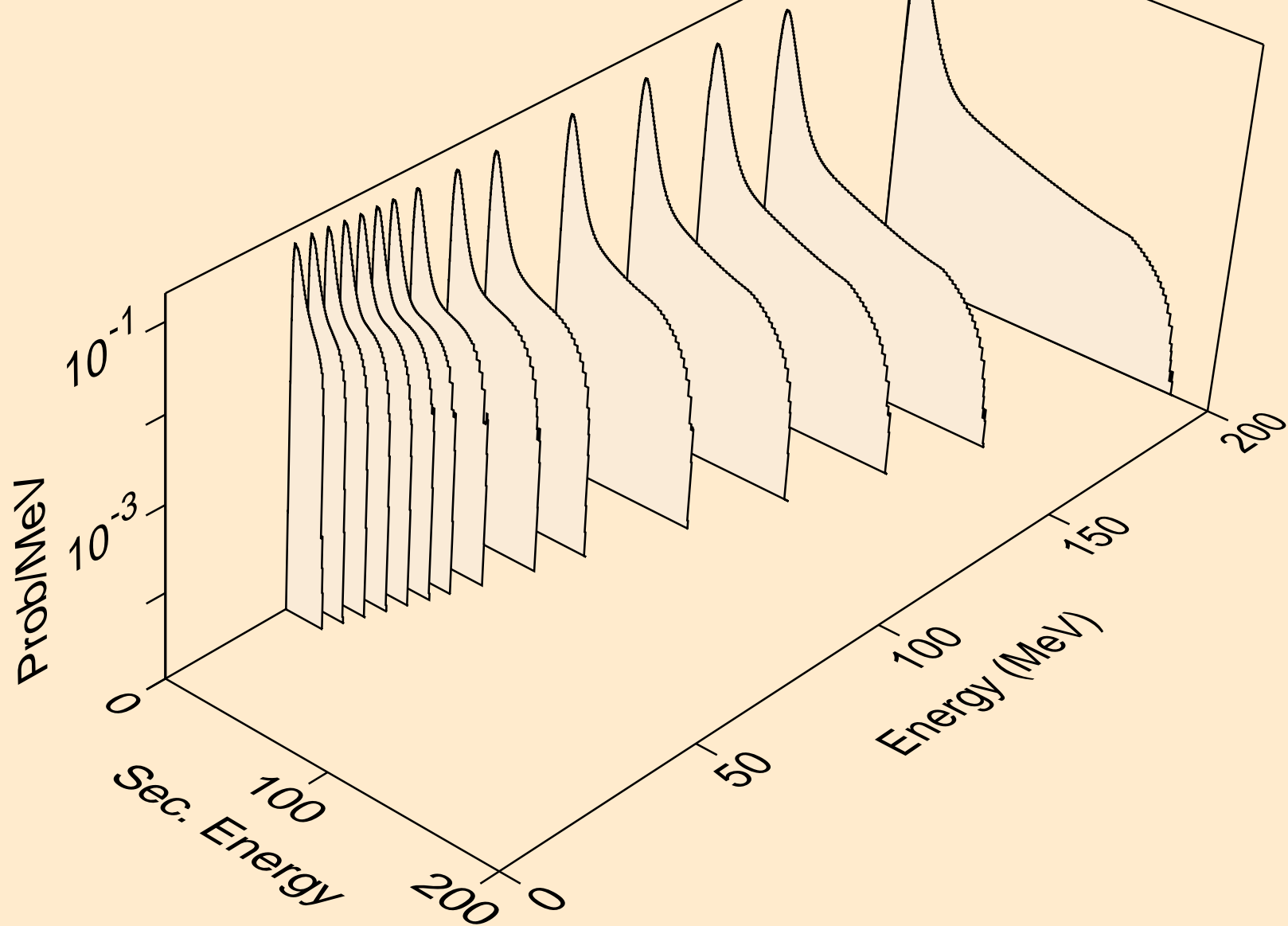
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



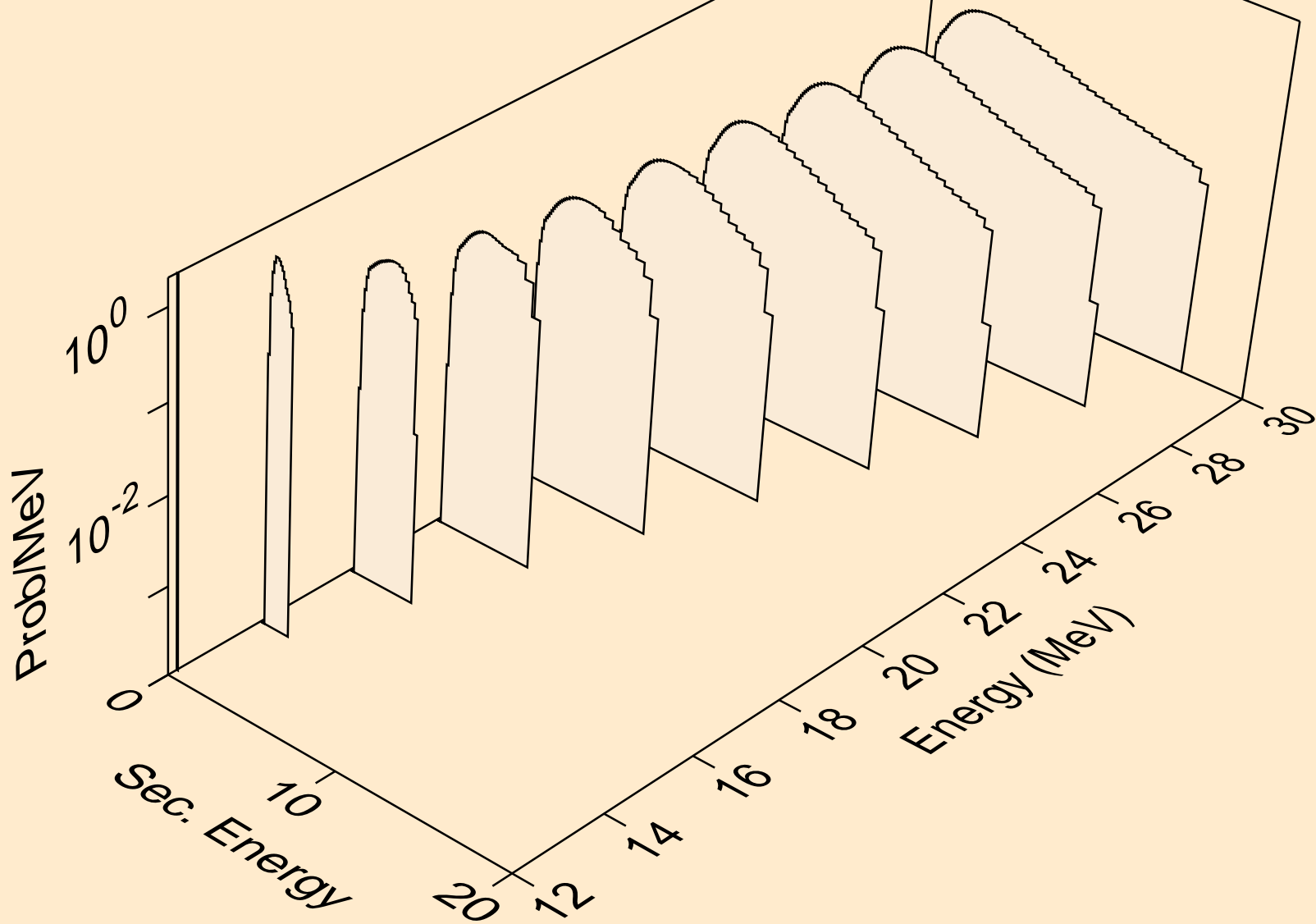
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

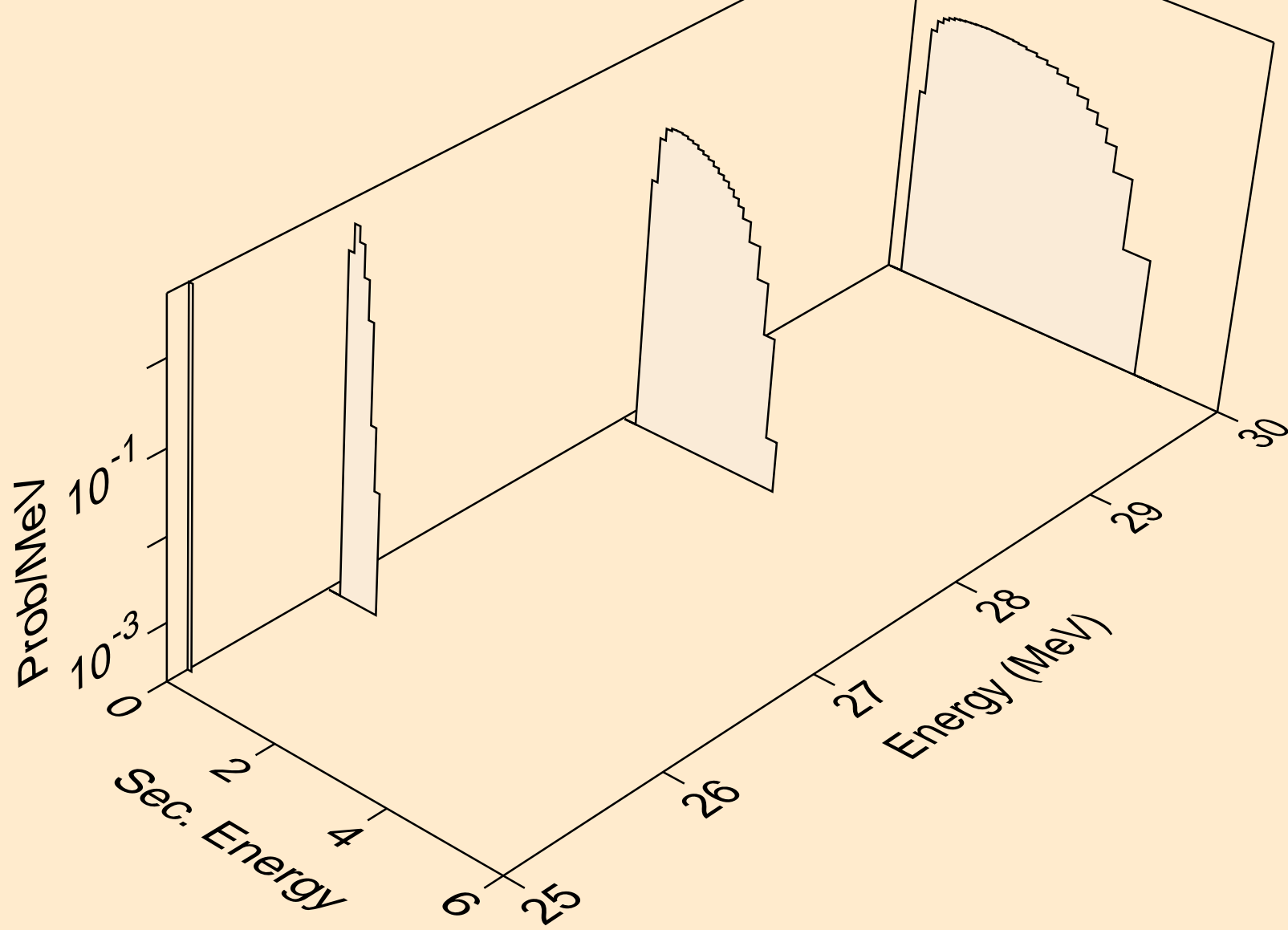


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

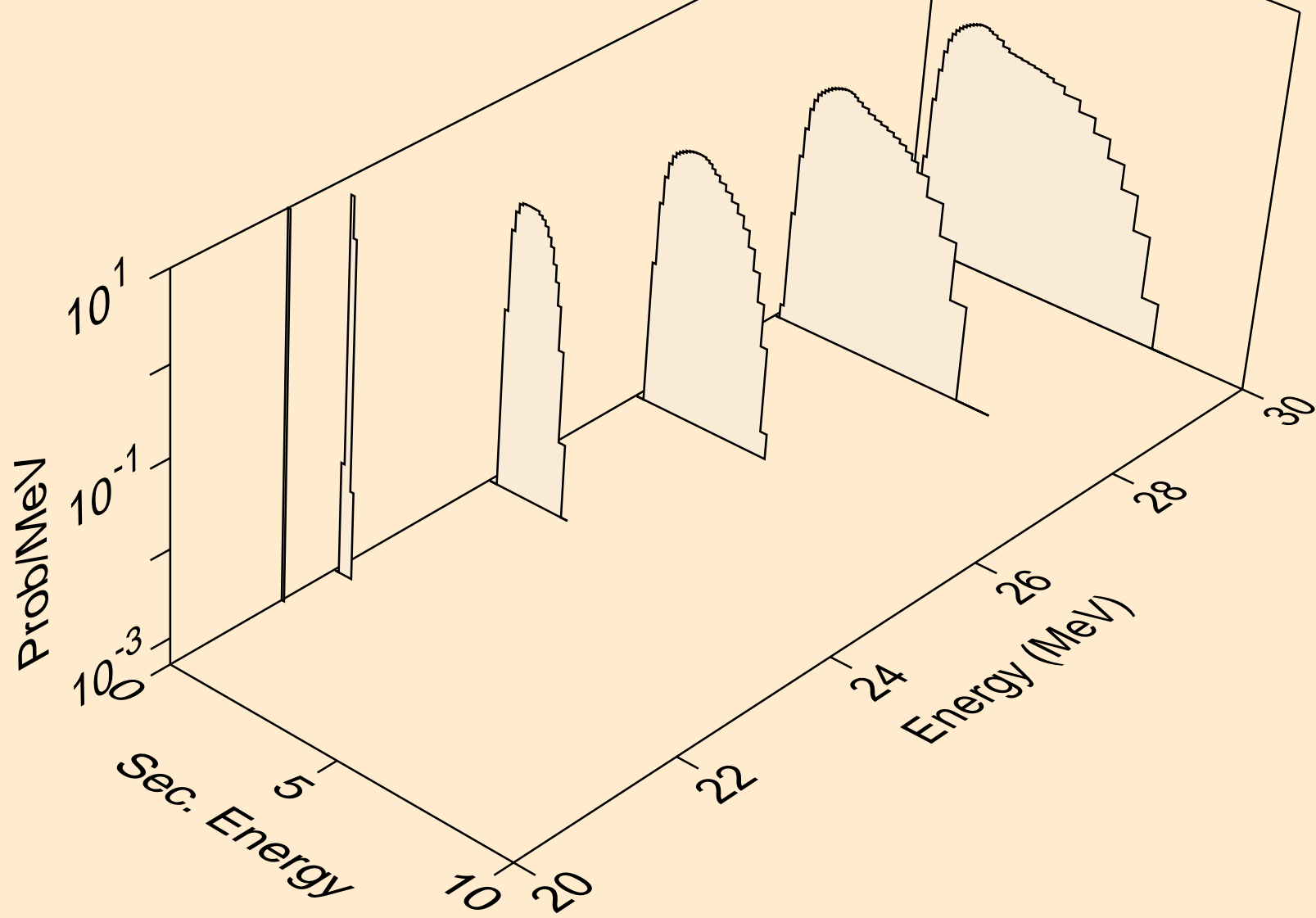




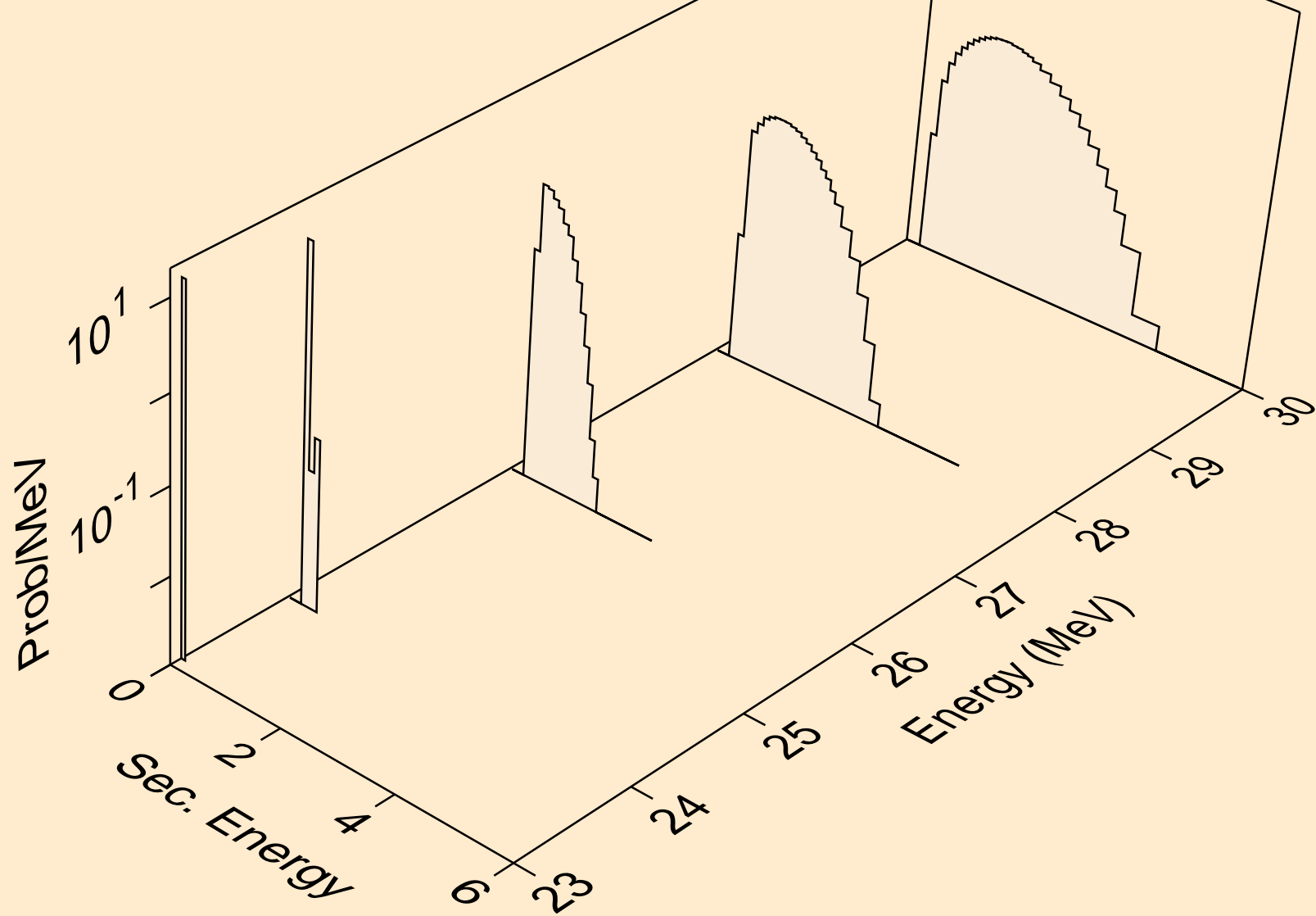
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protons from (n,2np)



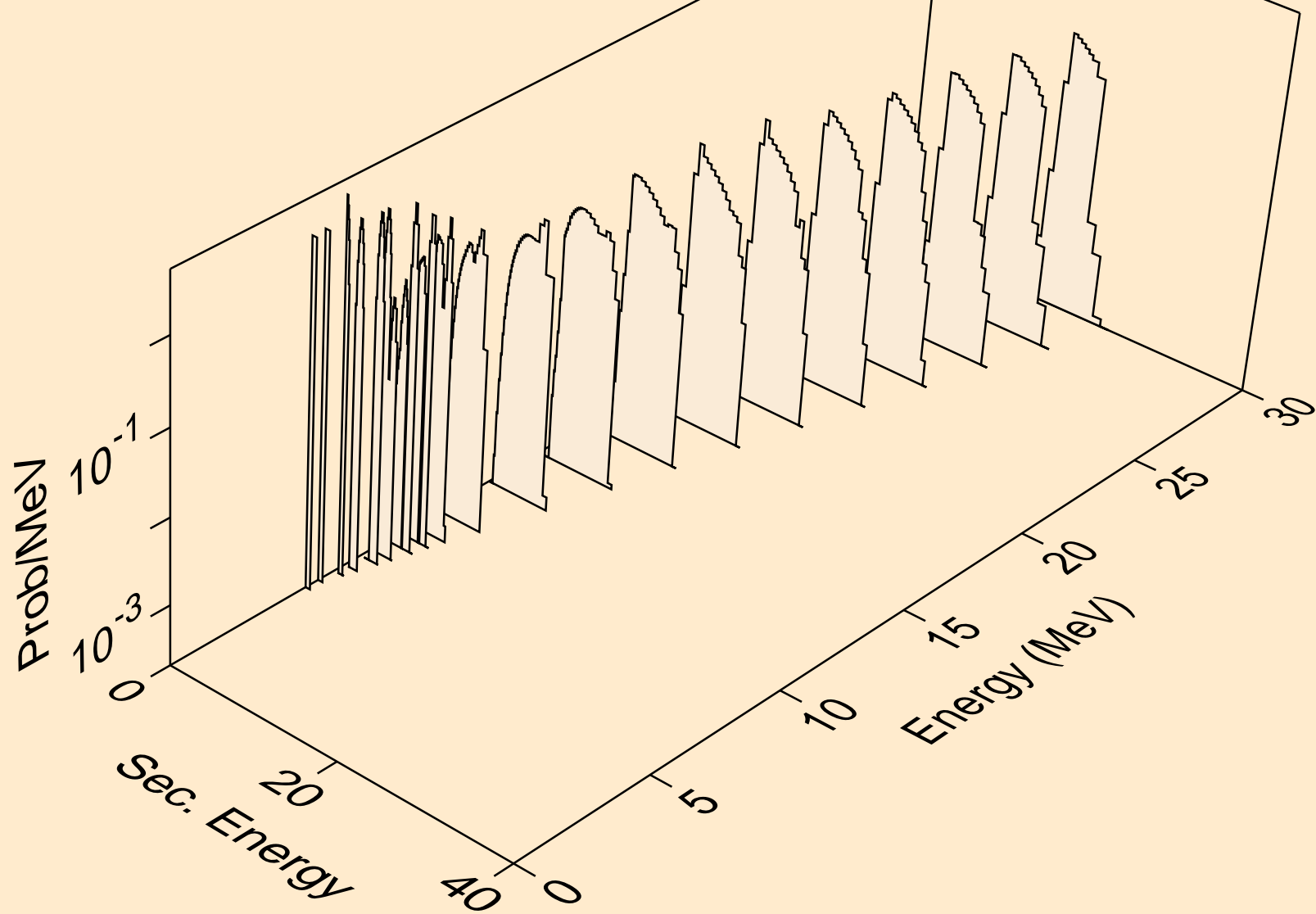
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protons from (n,n2p)



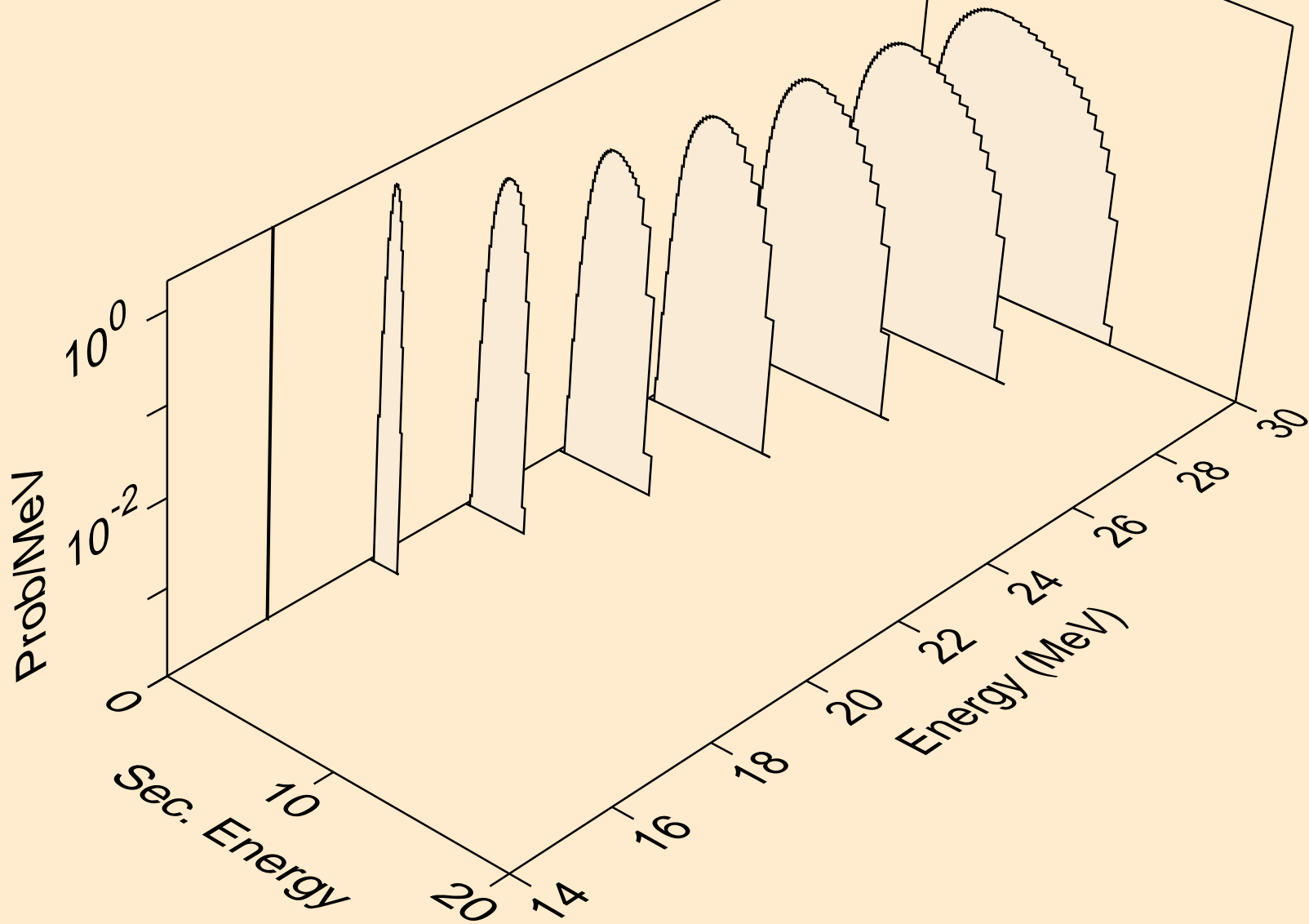
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protons from (n,npa)



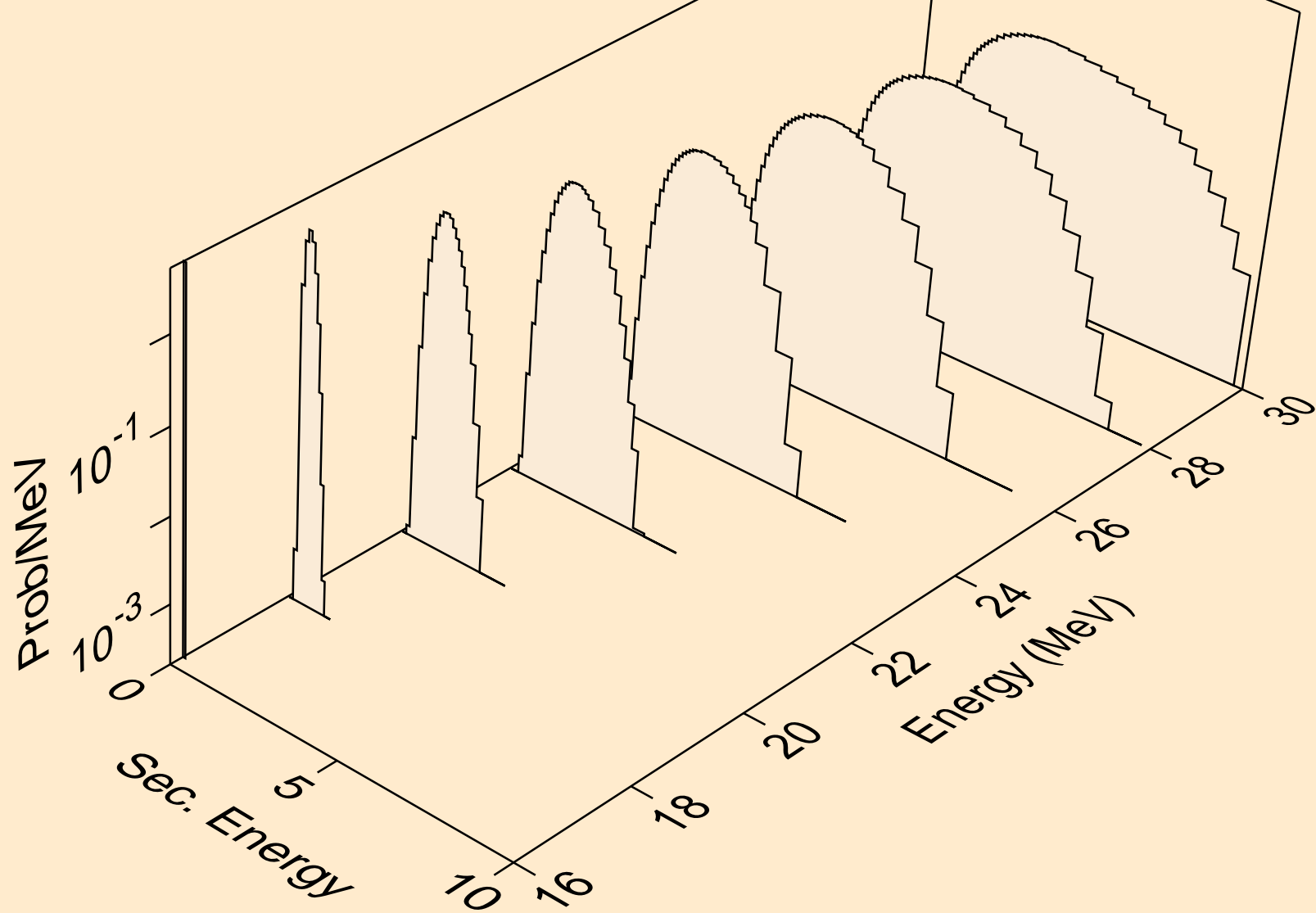
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protons from (n,p)



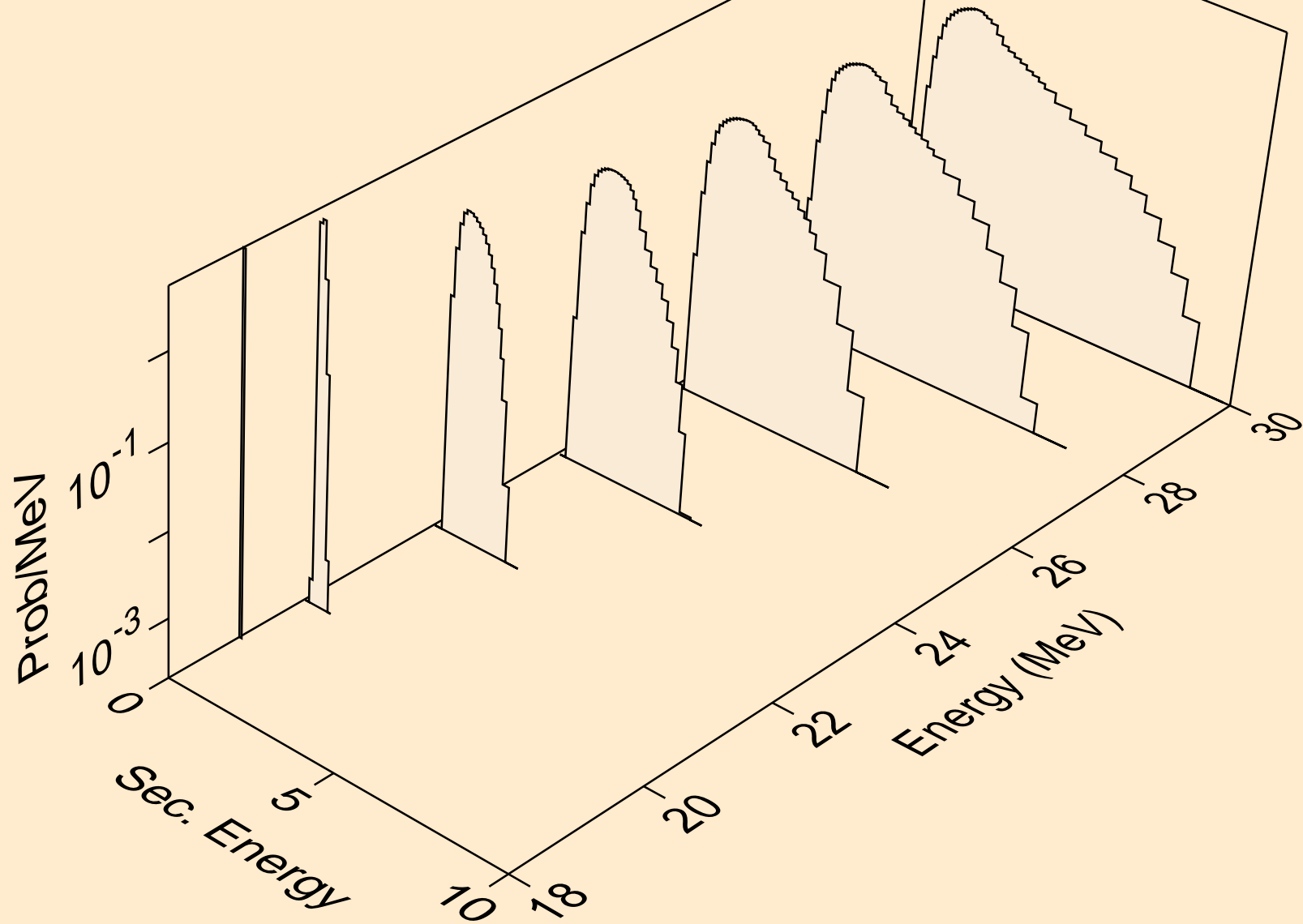
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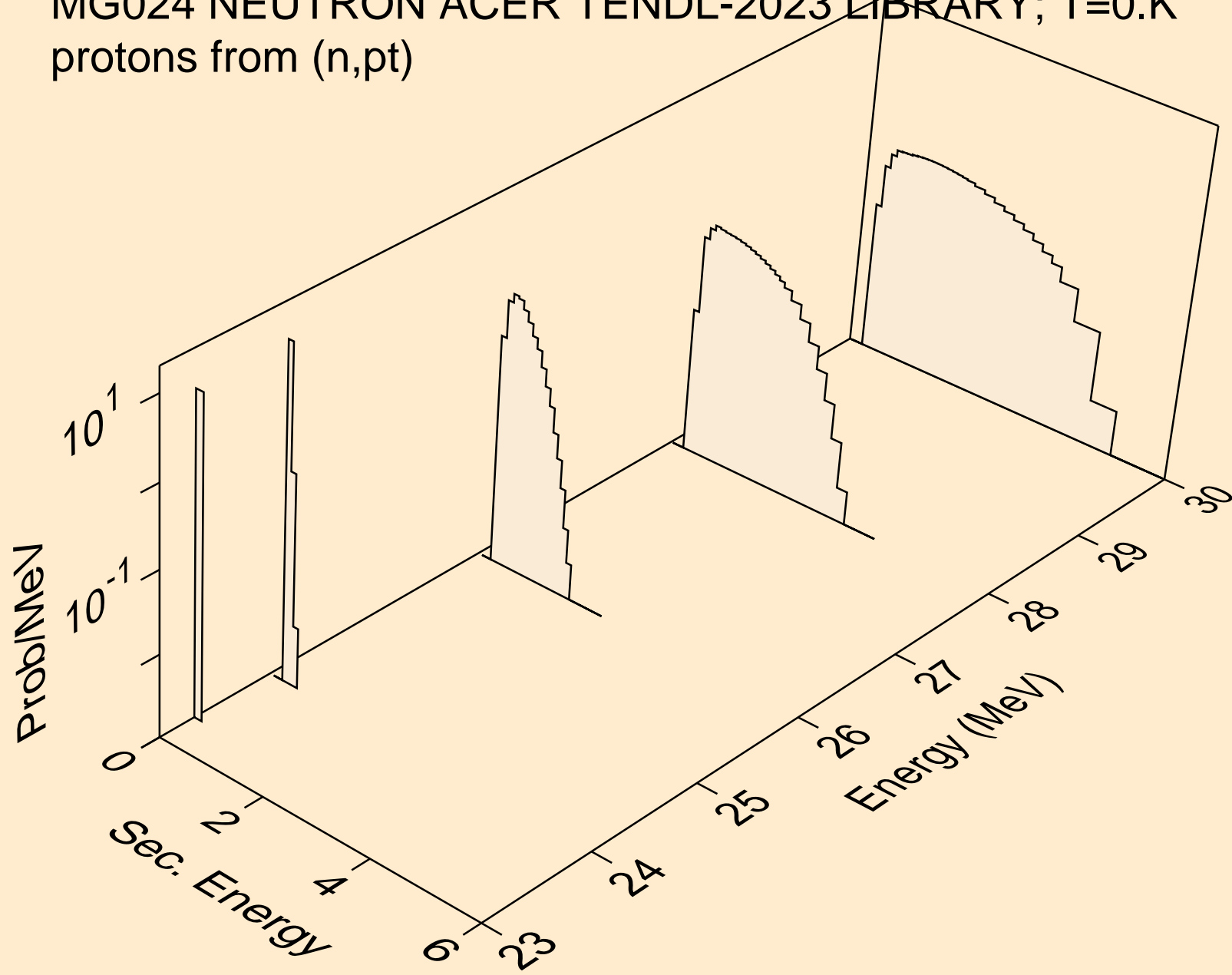
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protons from (n,p)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

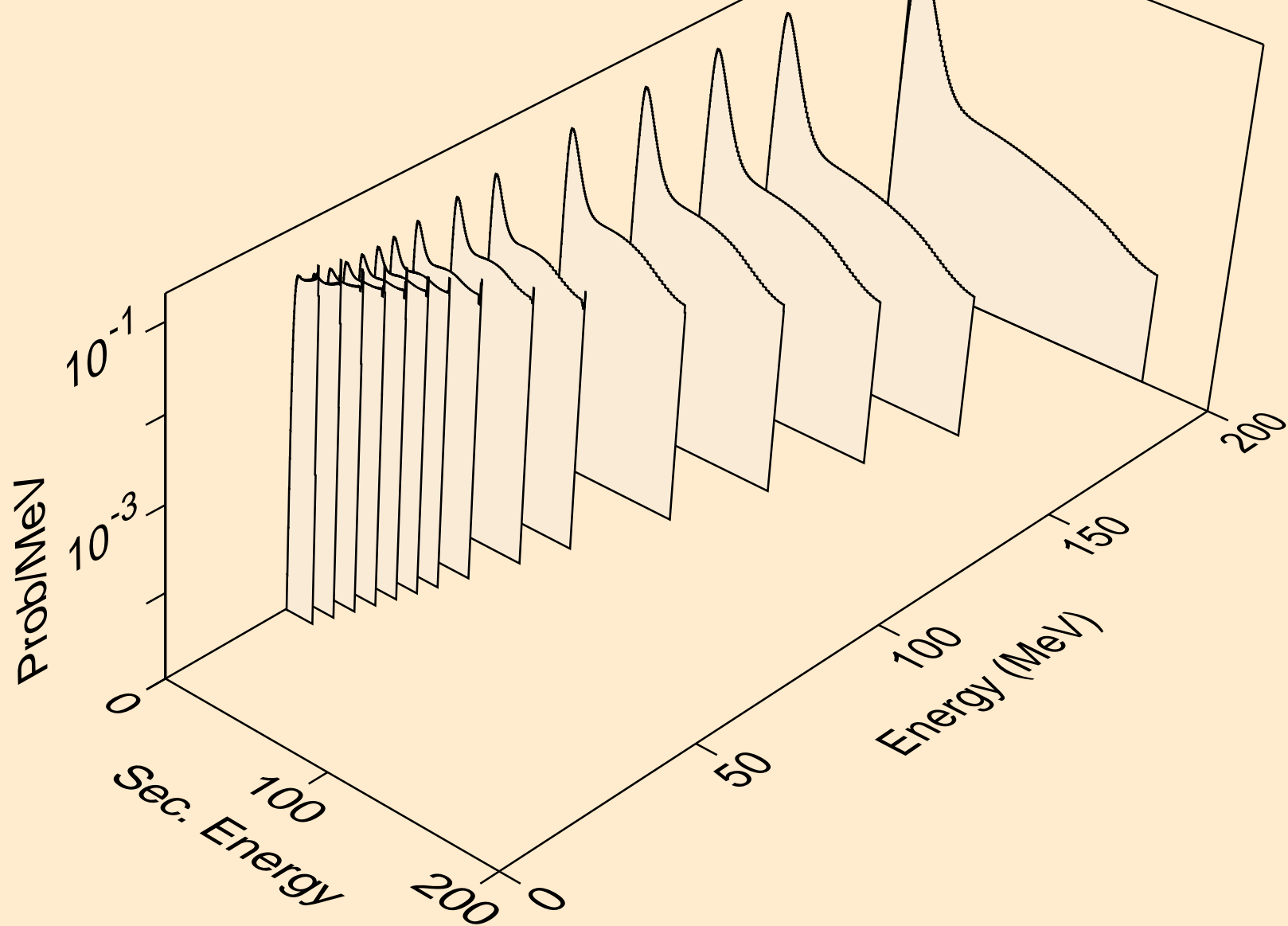


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protons from (n,pt)

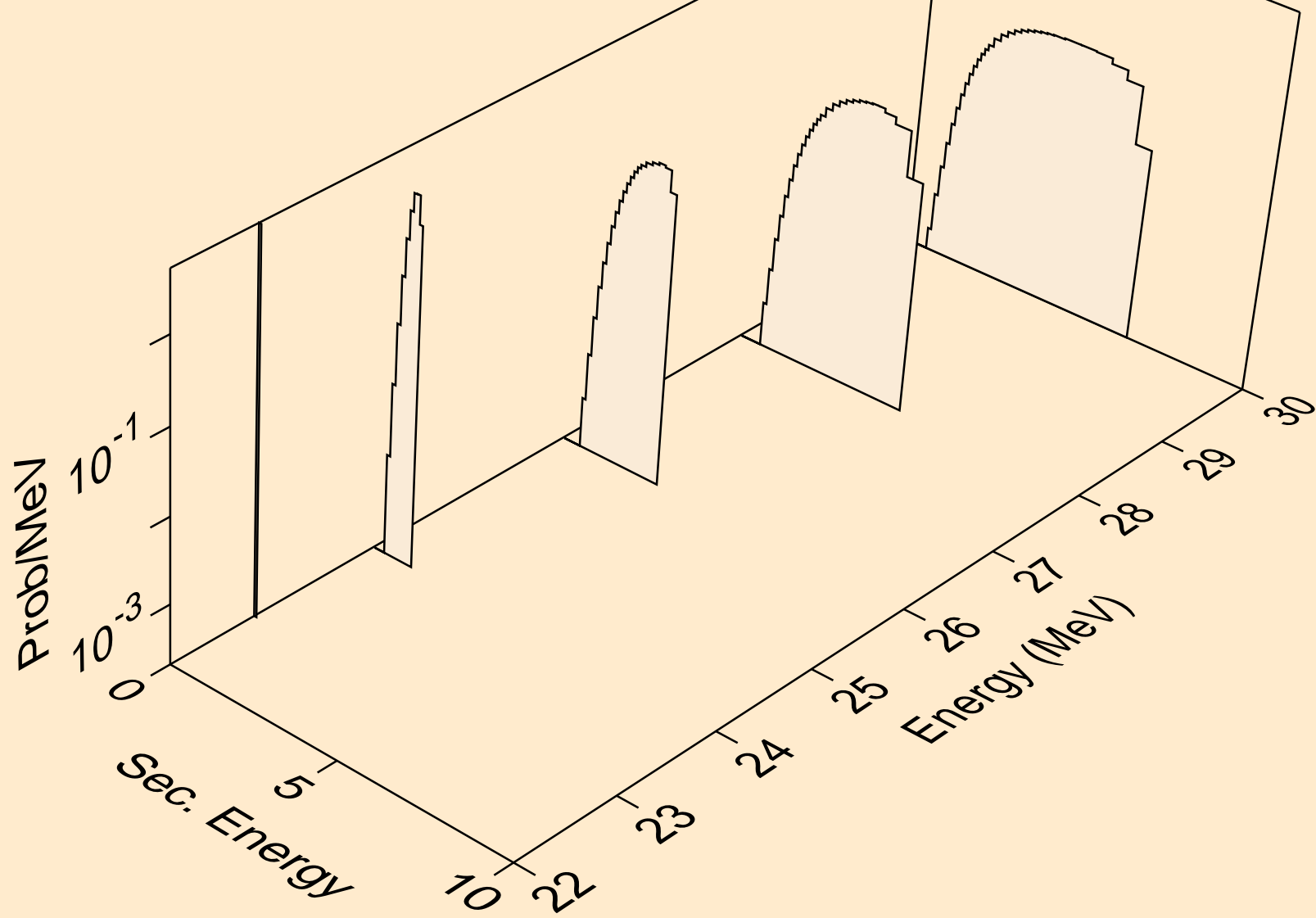




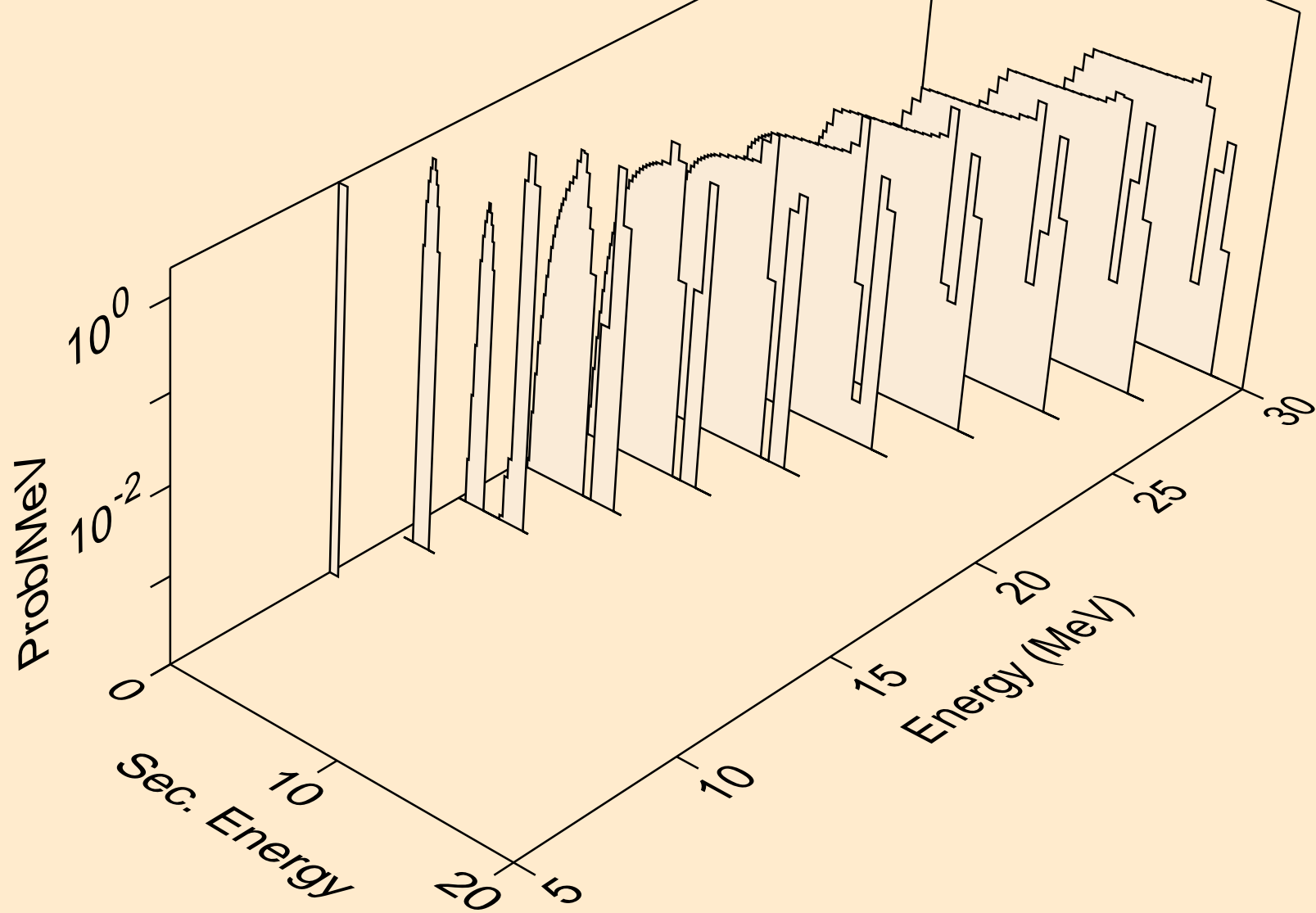
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deuterons from (n,x)



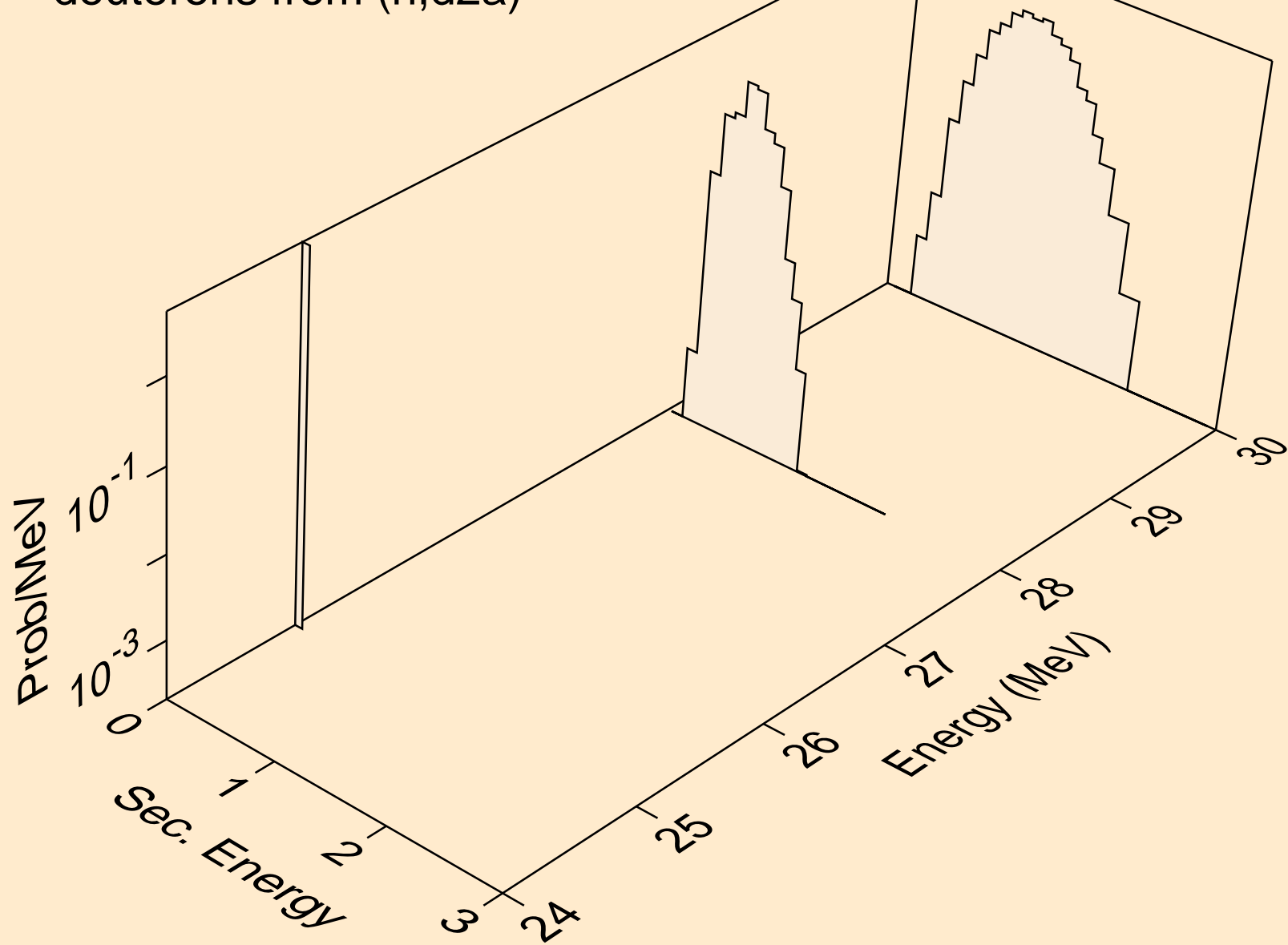
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deuterons from (n,n\*)d



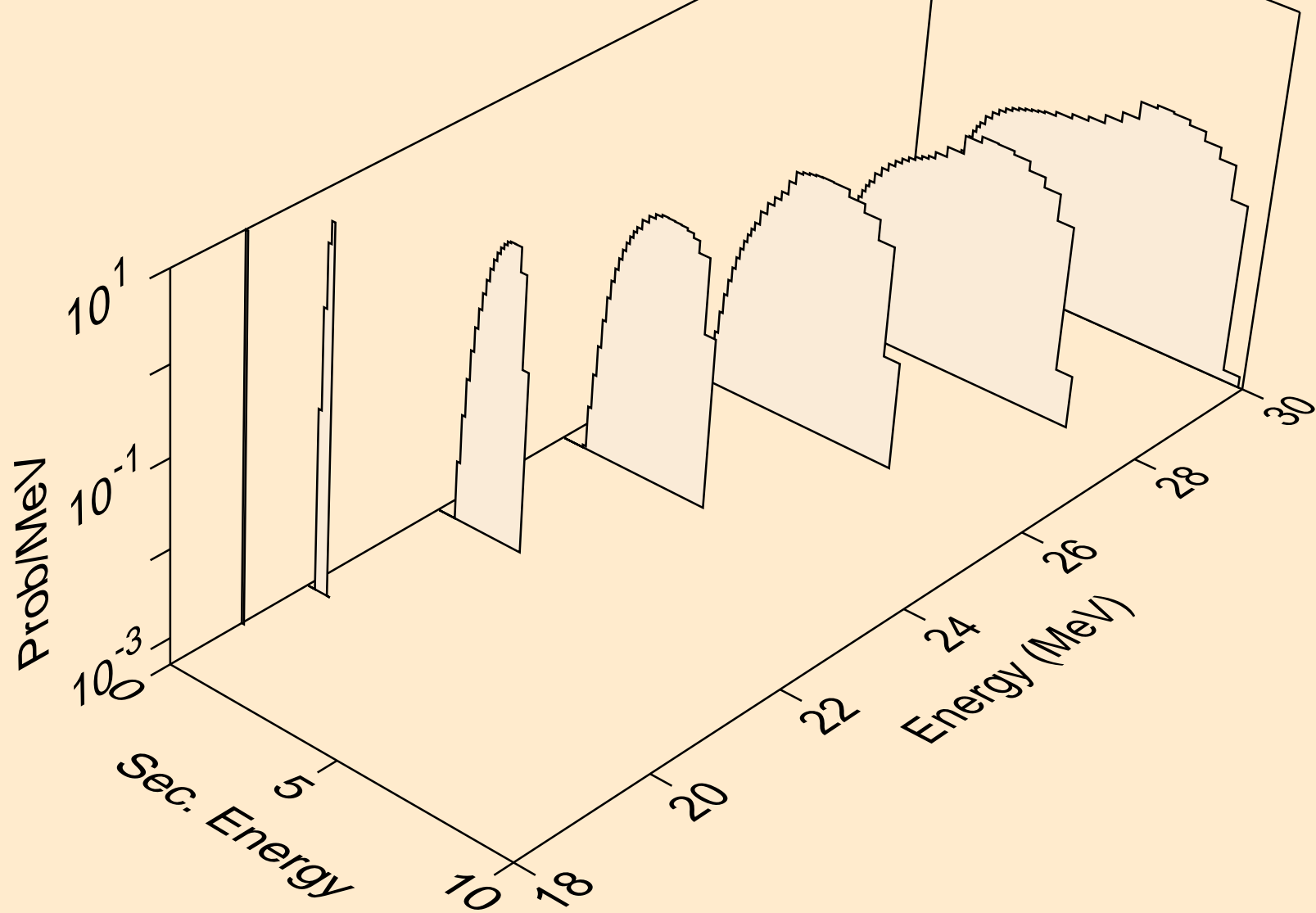
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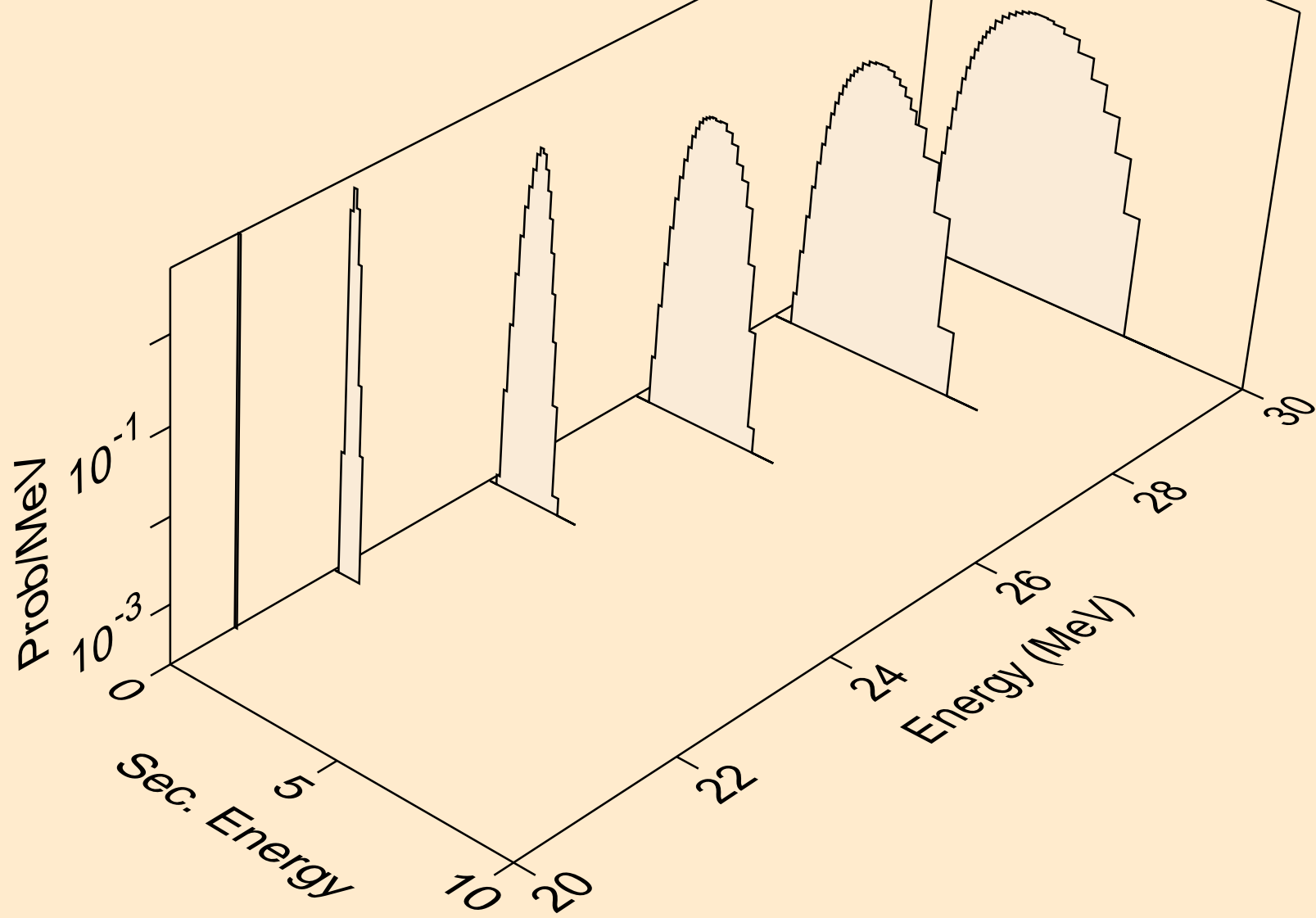
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deuterons from (n,d2a)



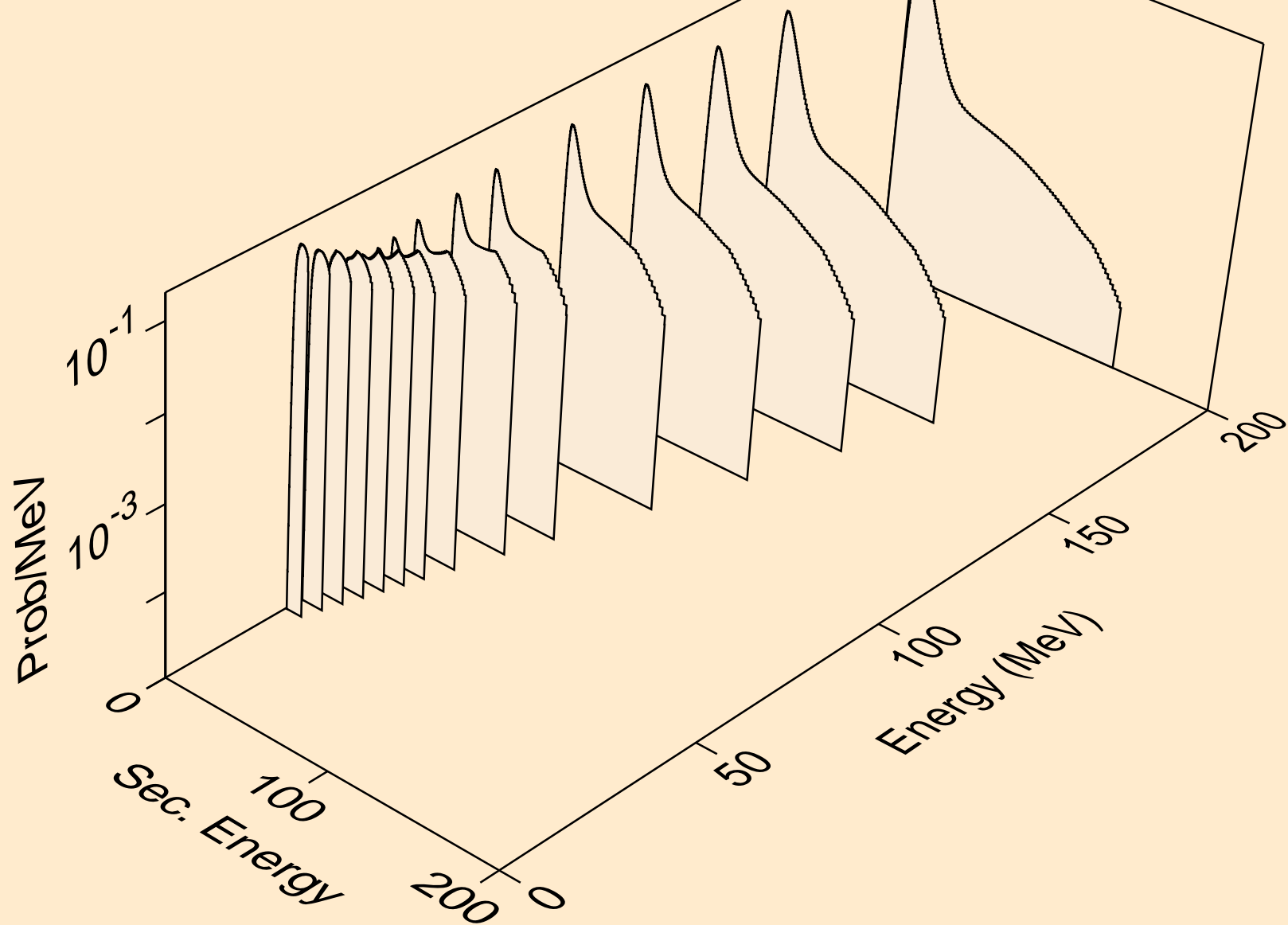
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deuterons from (n,pd)



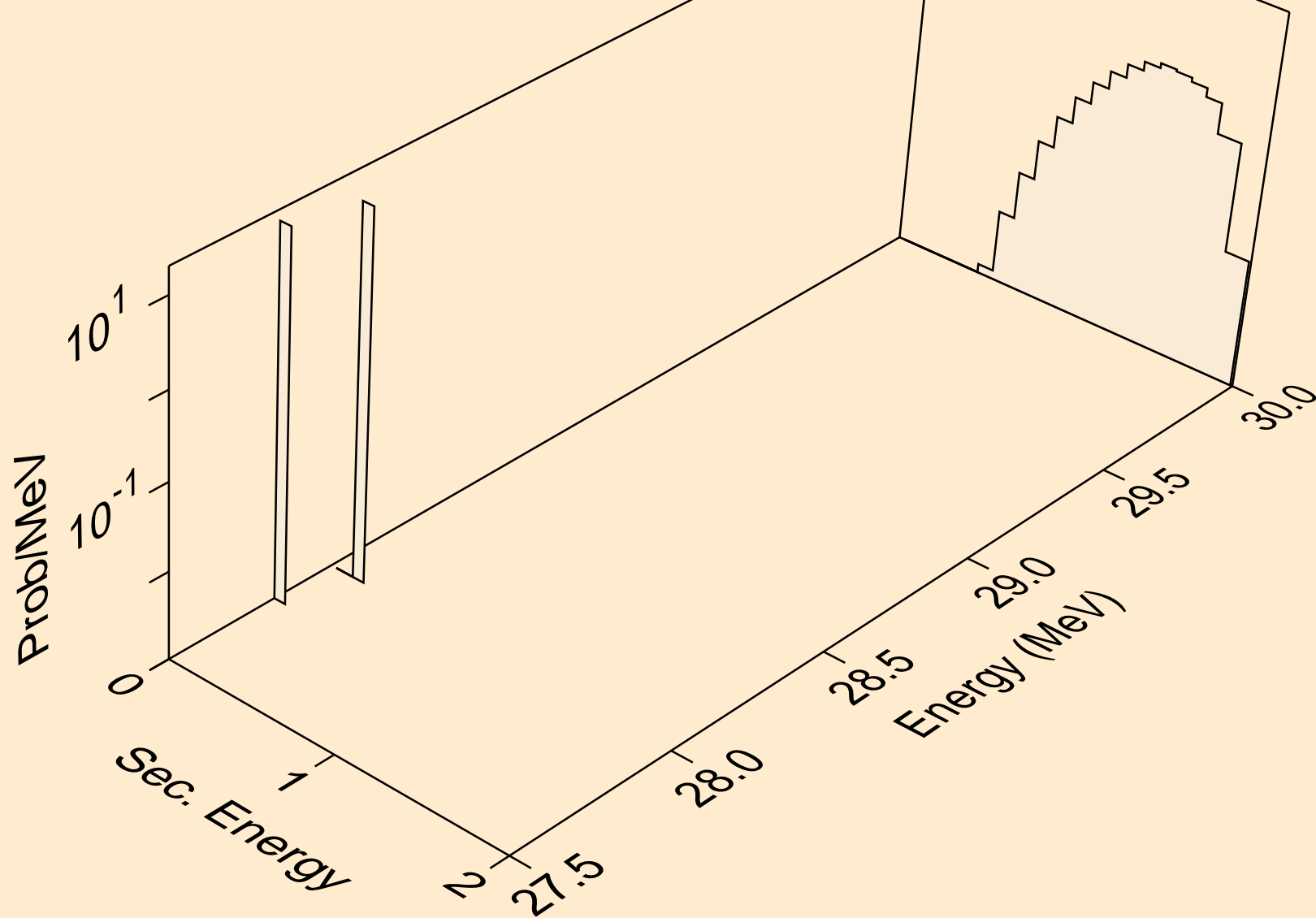
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

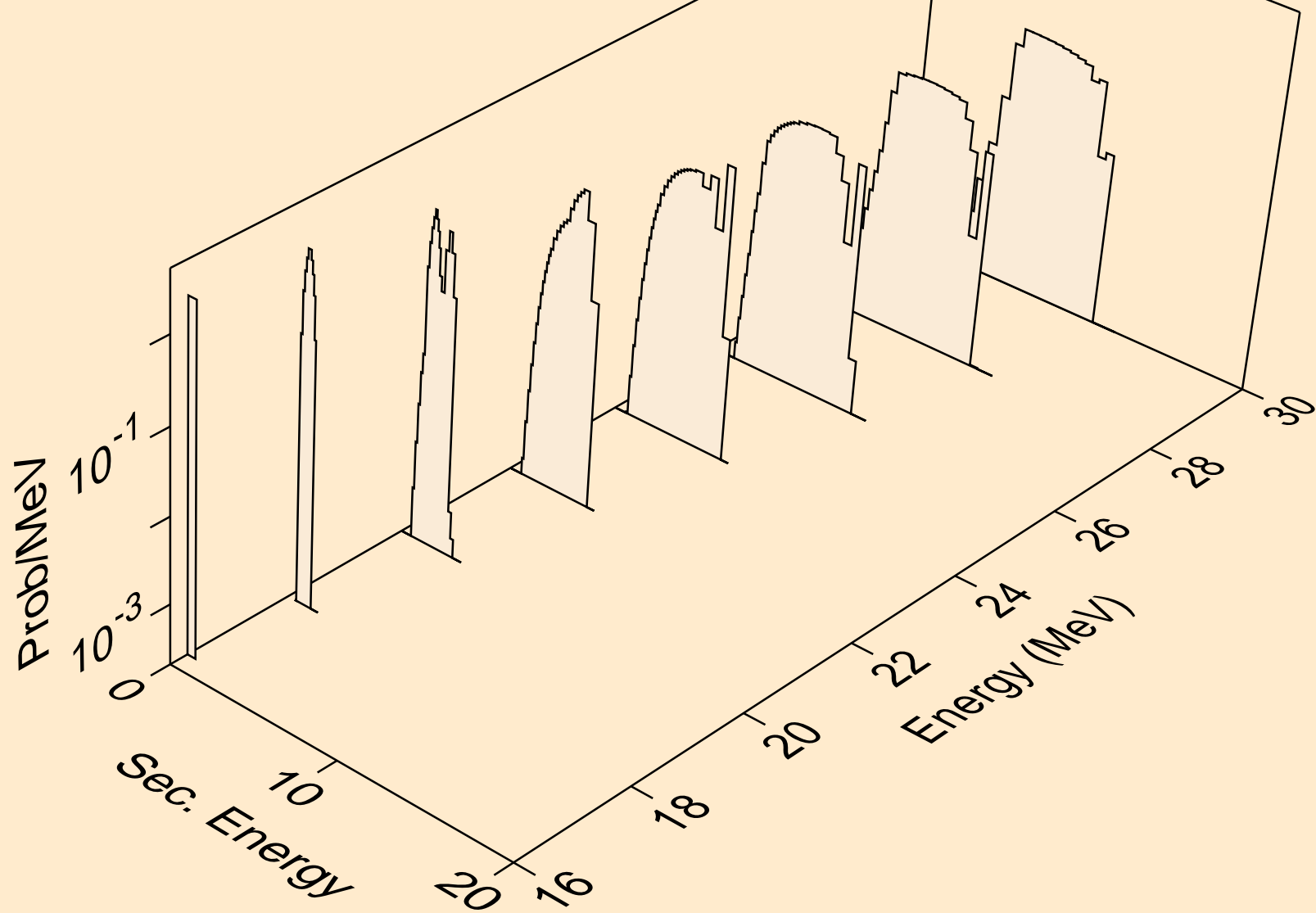


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

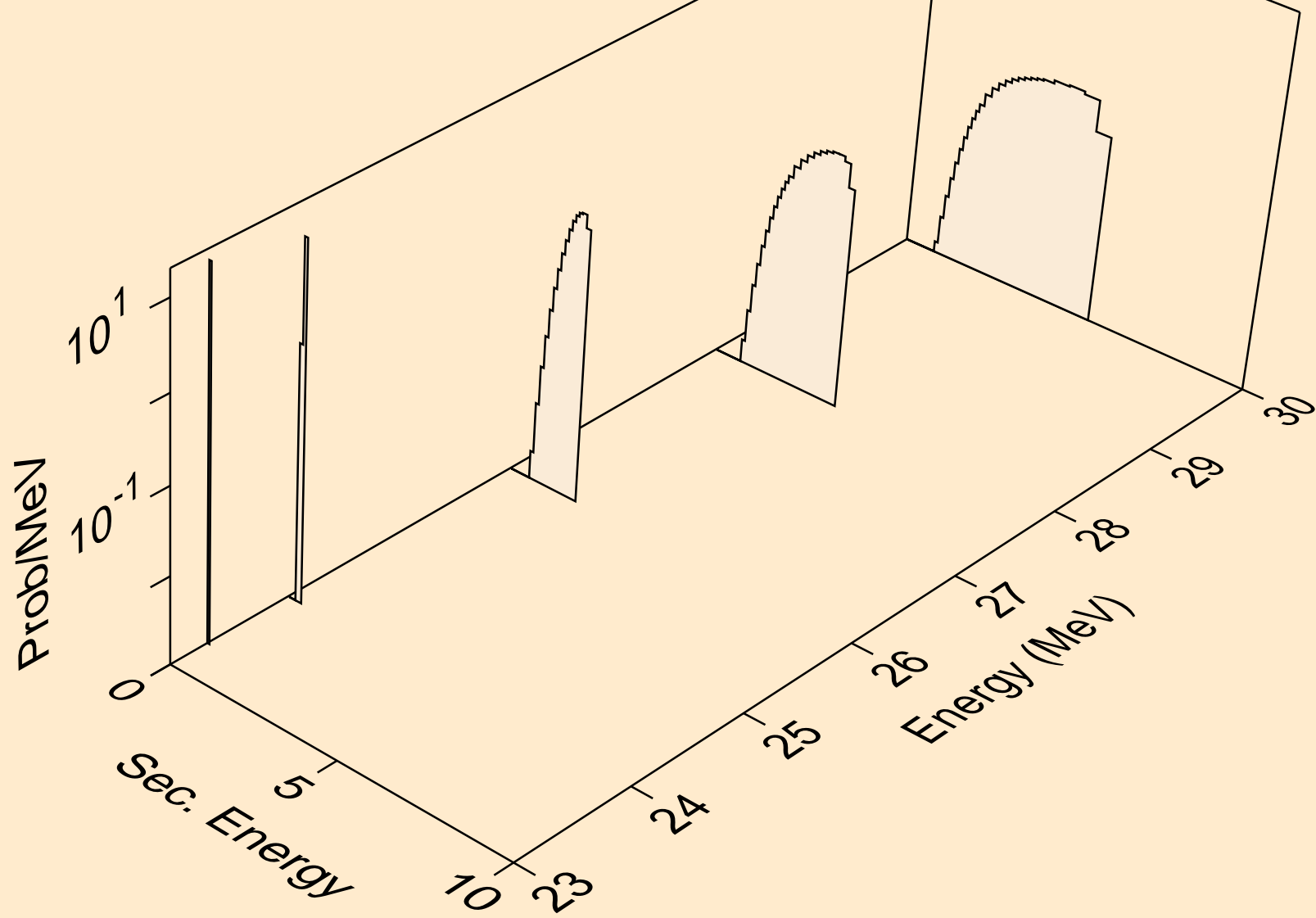




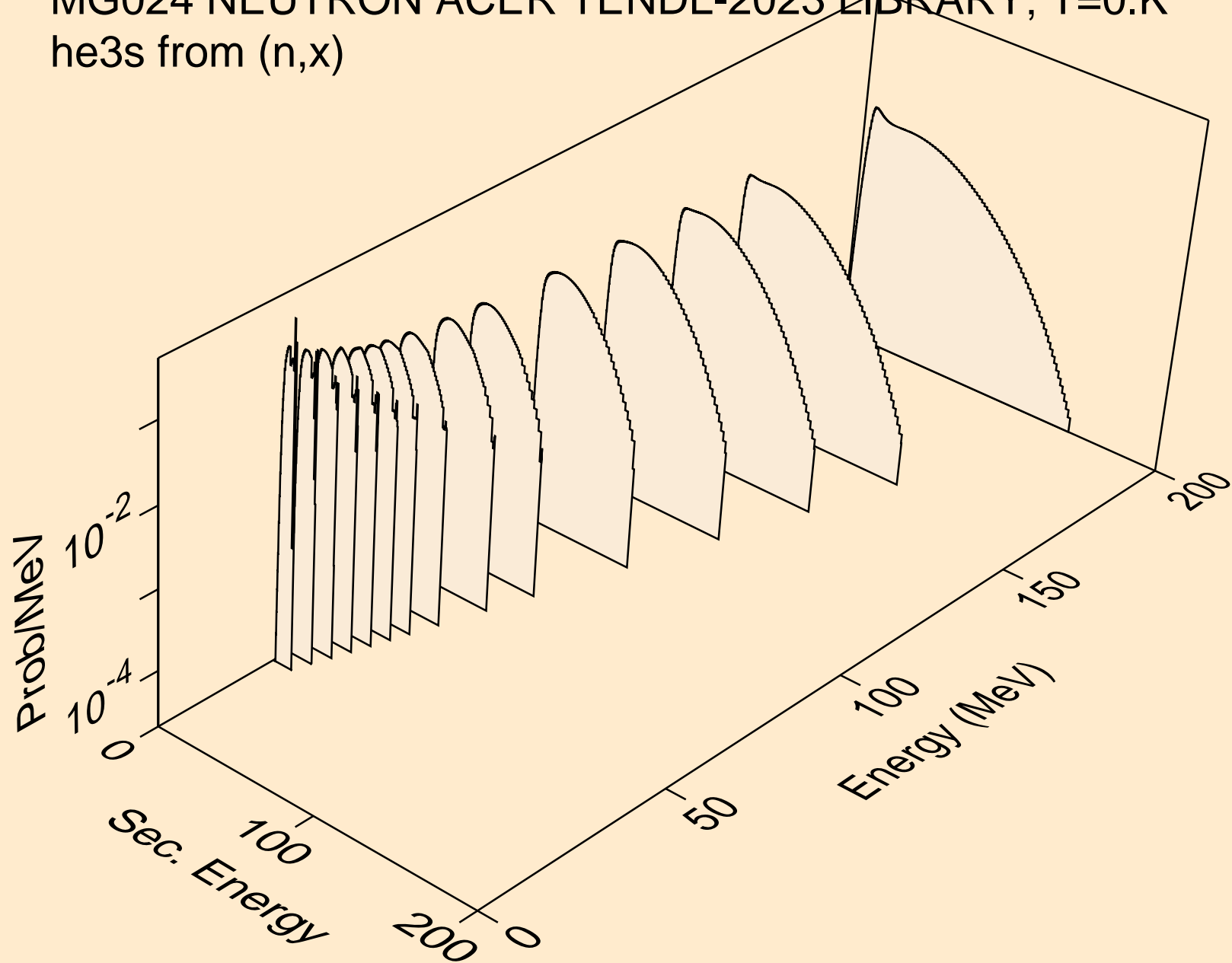
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tritons from (n,t)



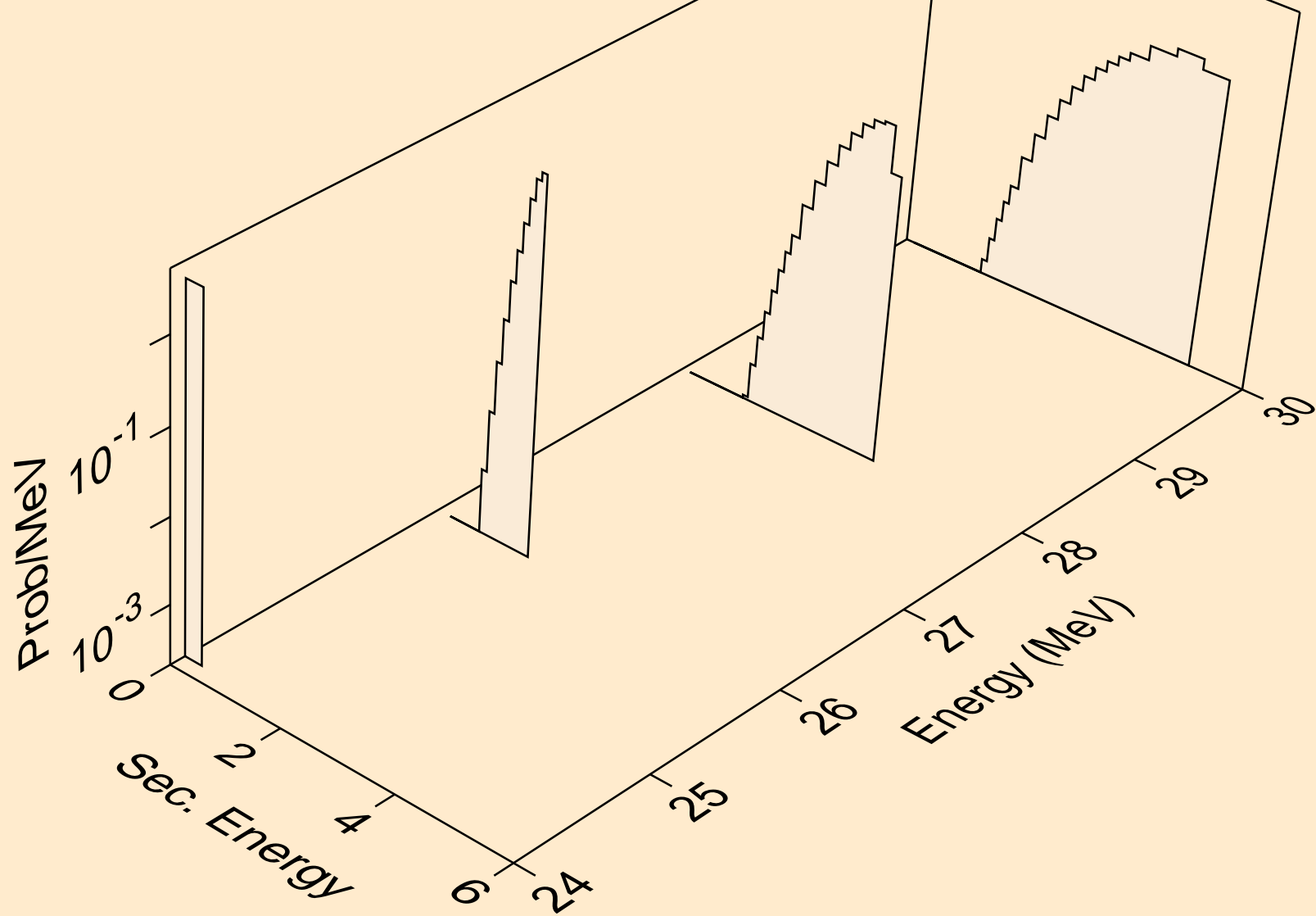
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tritons from (n,pt)



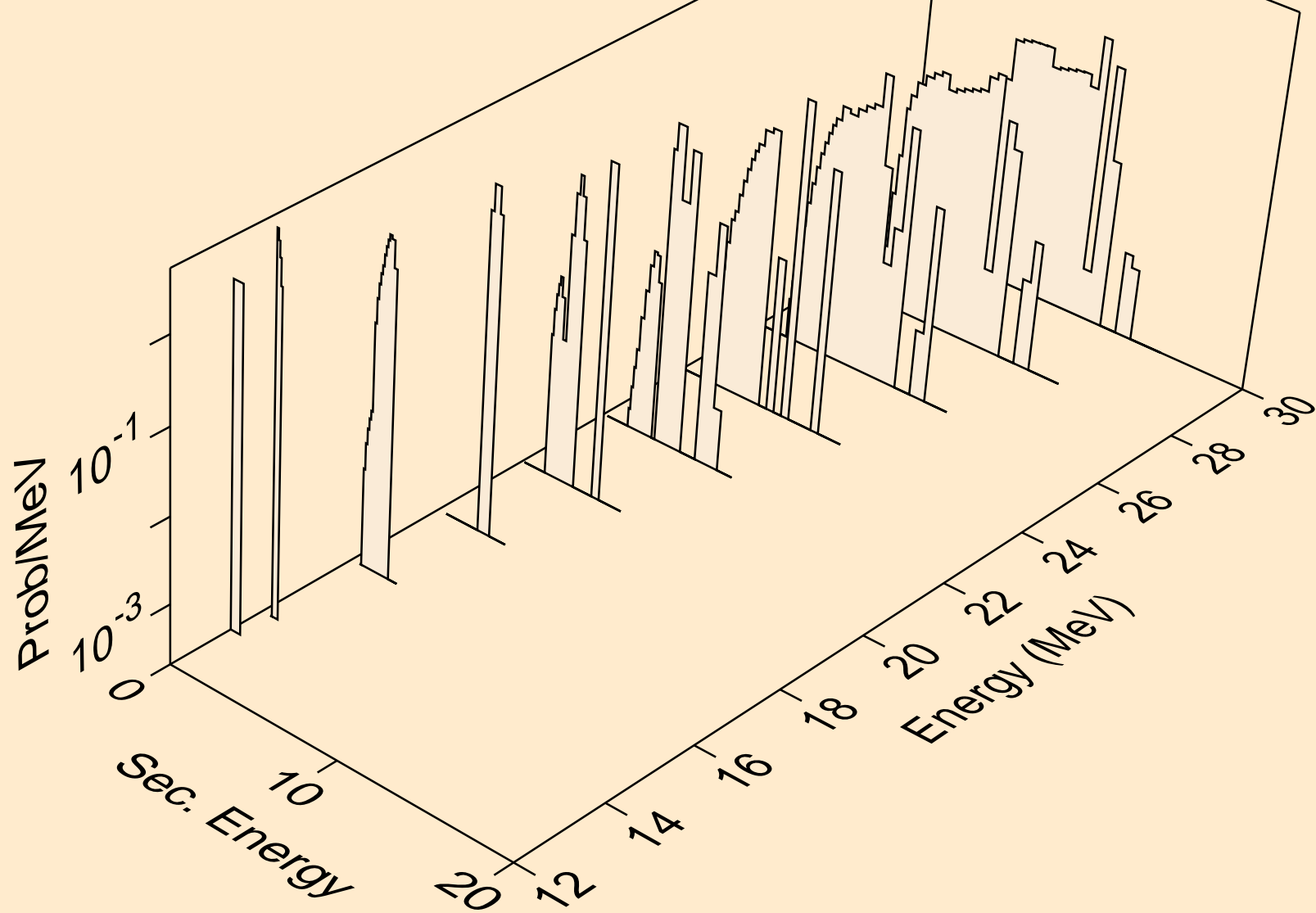
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



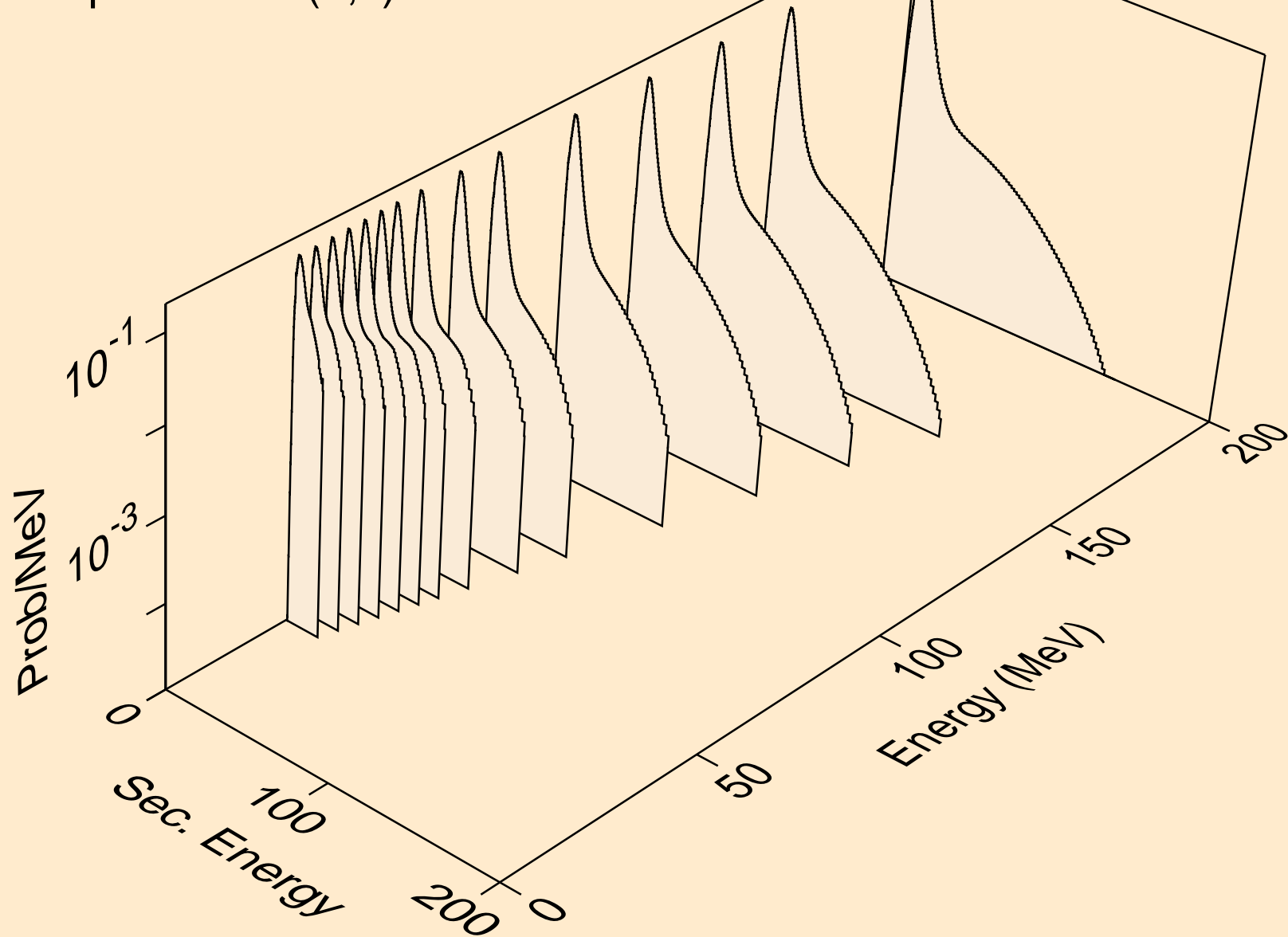
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he3s from (n,n\*)he3



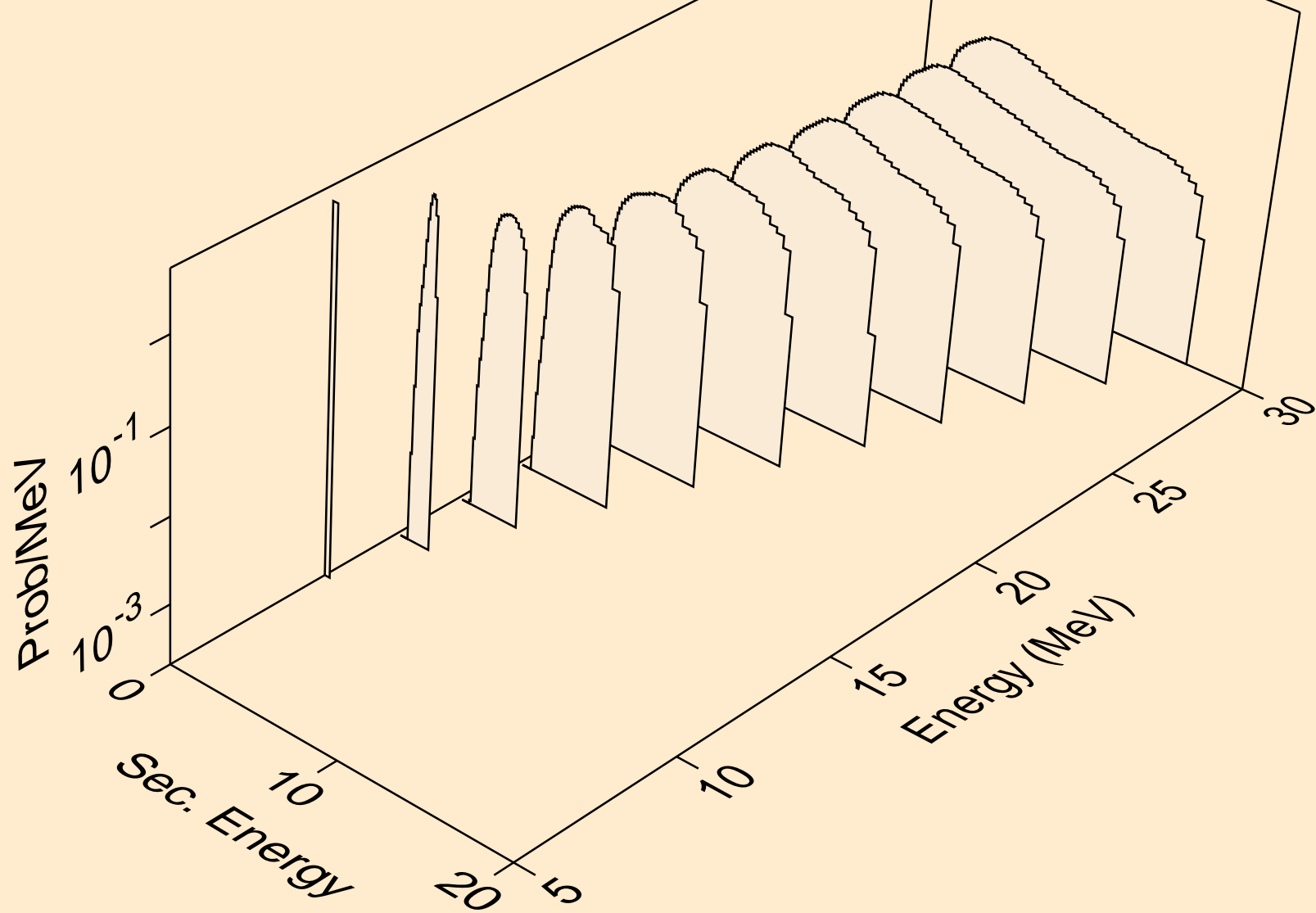
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he3s from (n,he3)



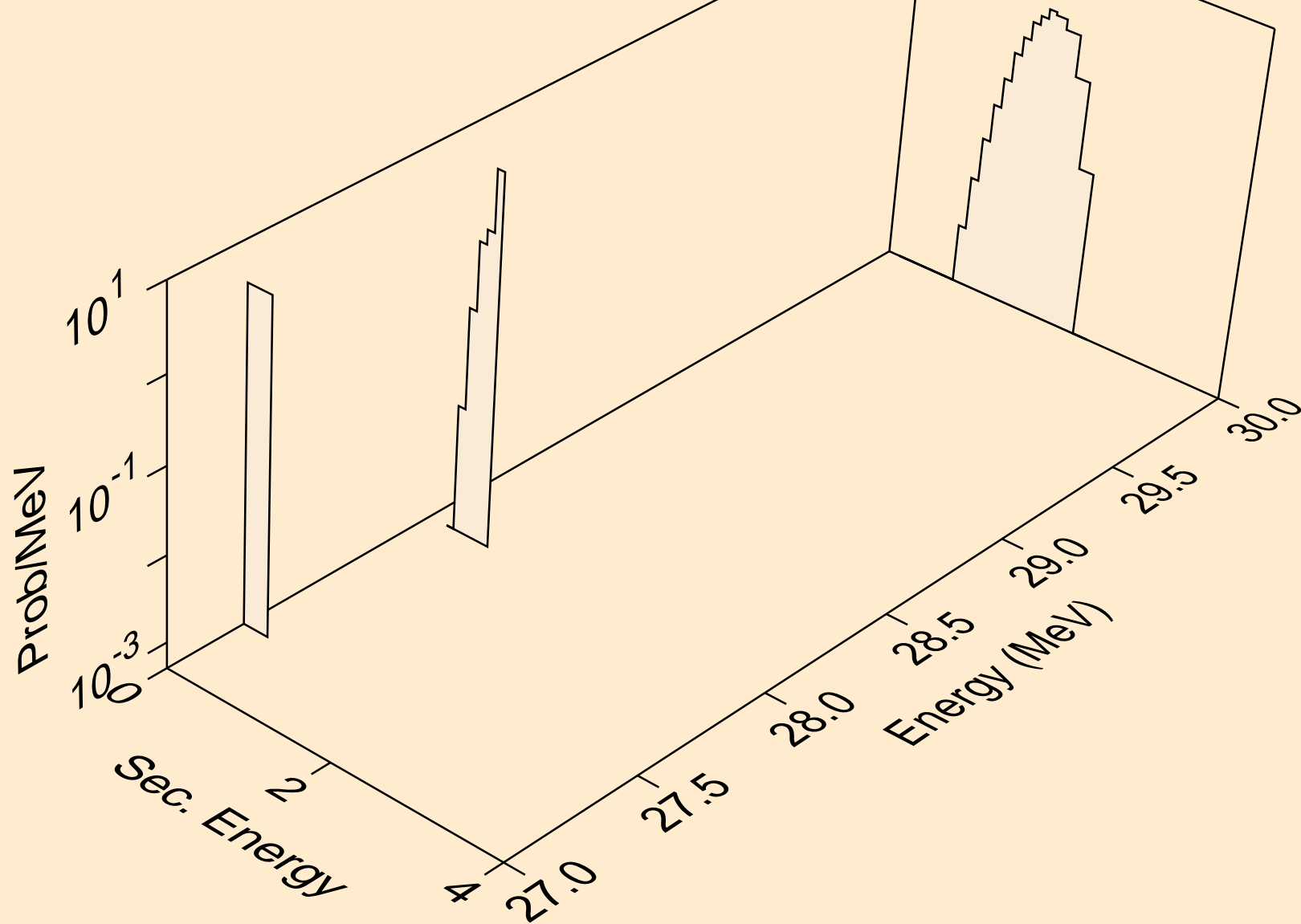
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

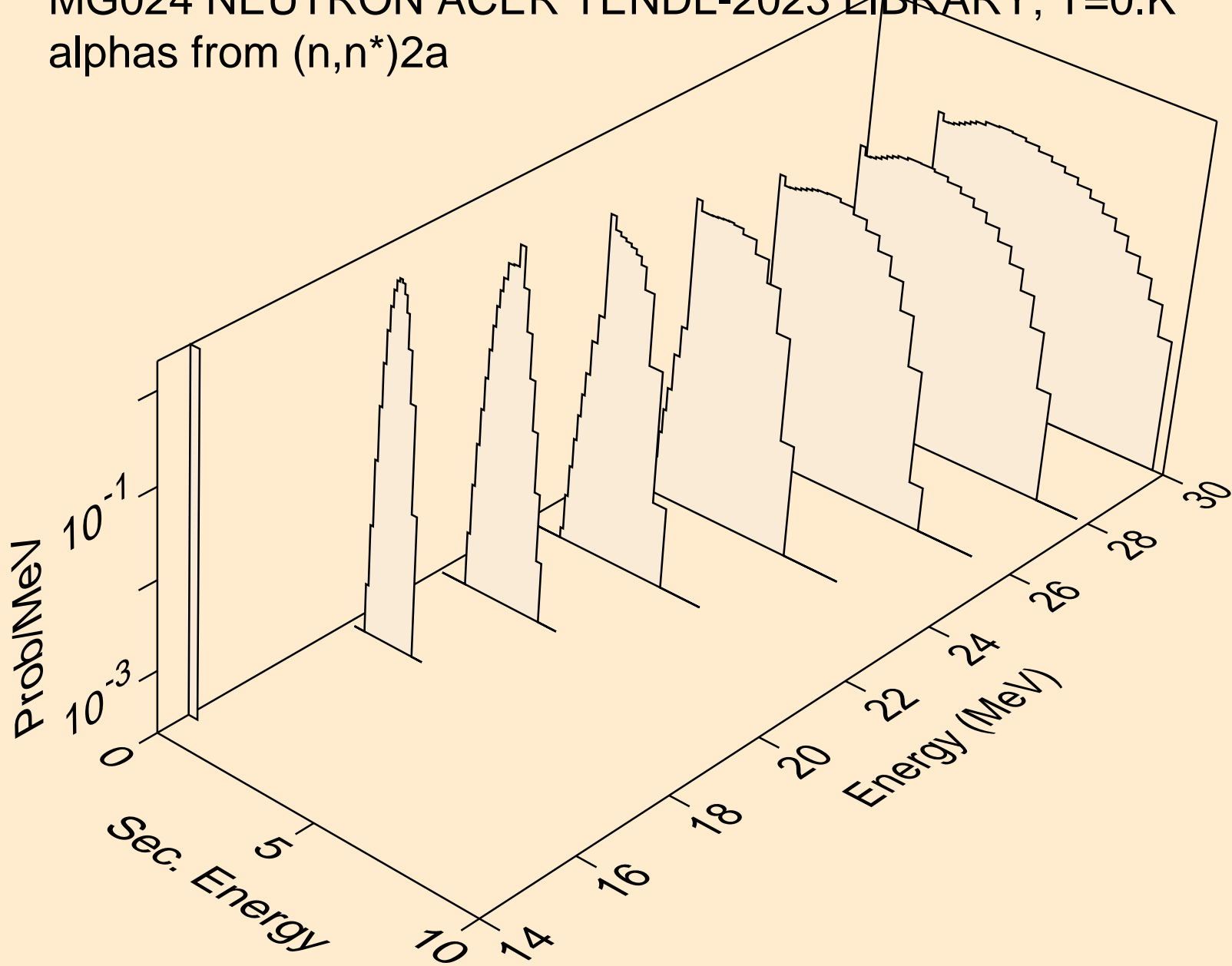


MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

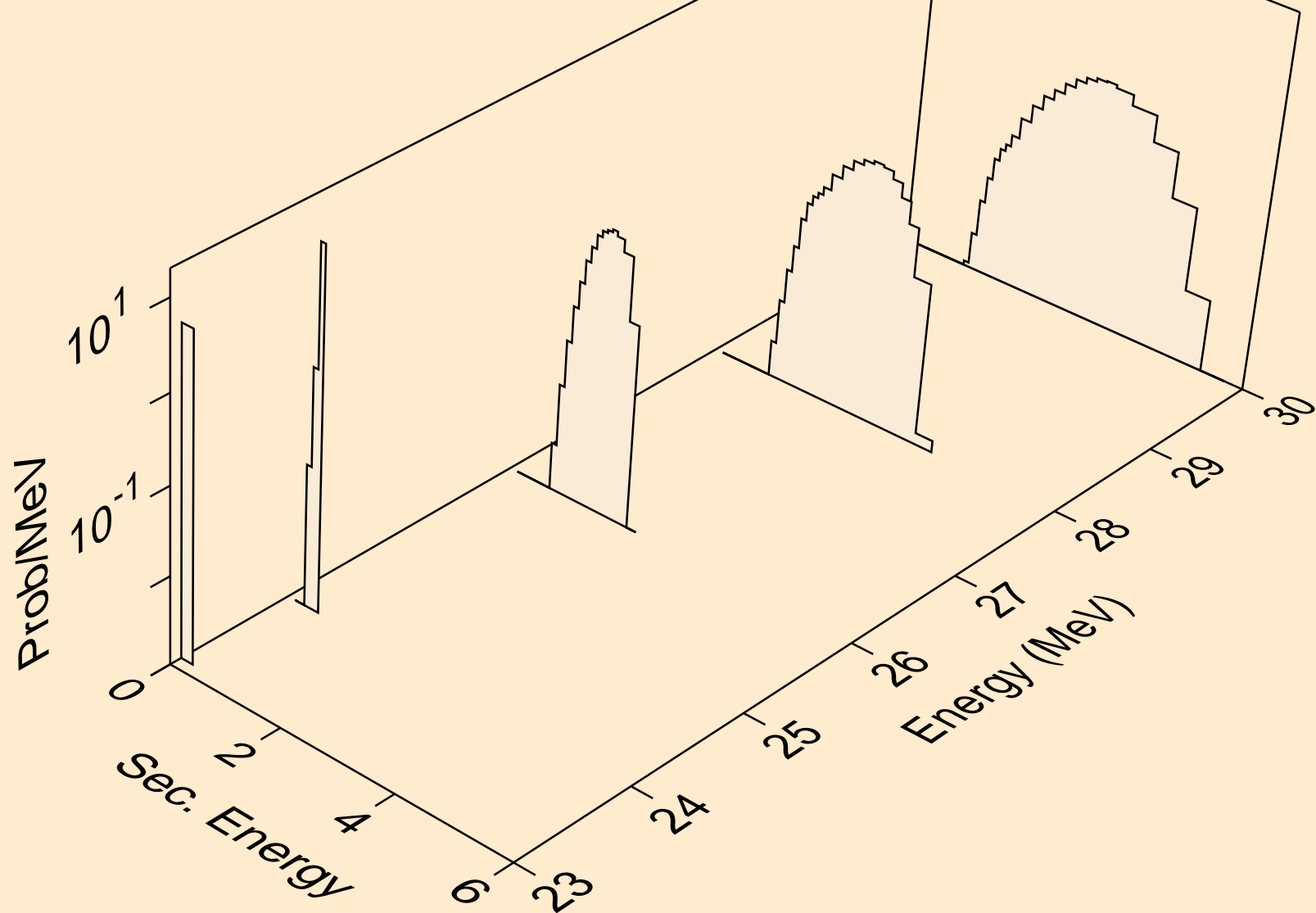




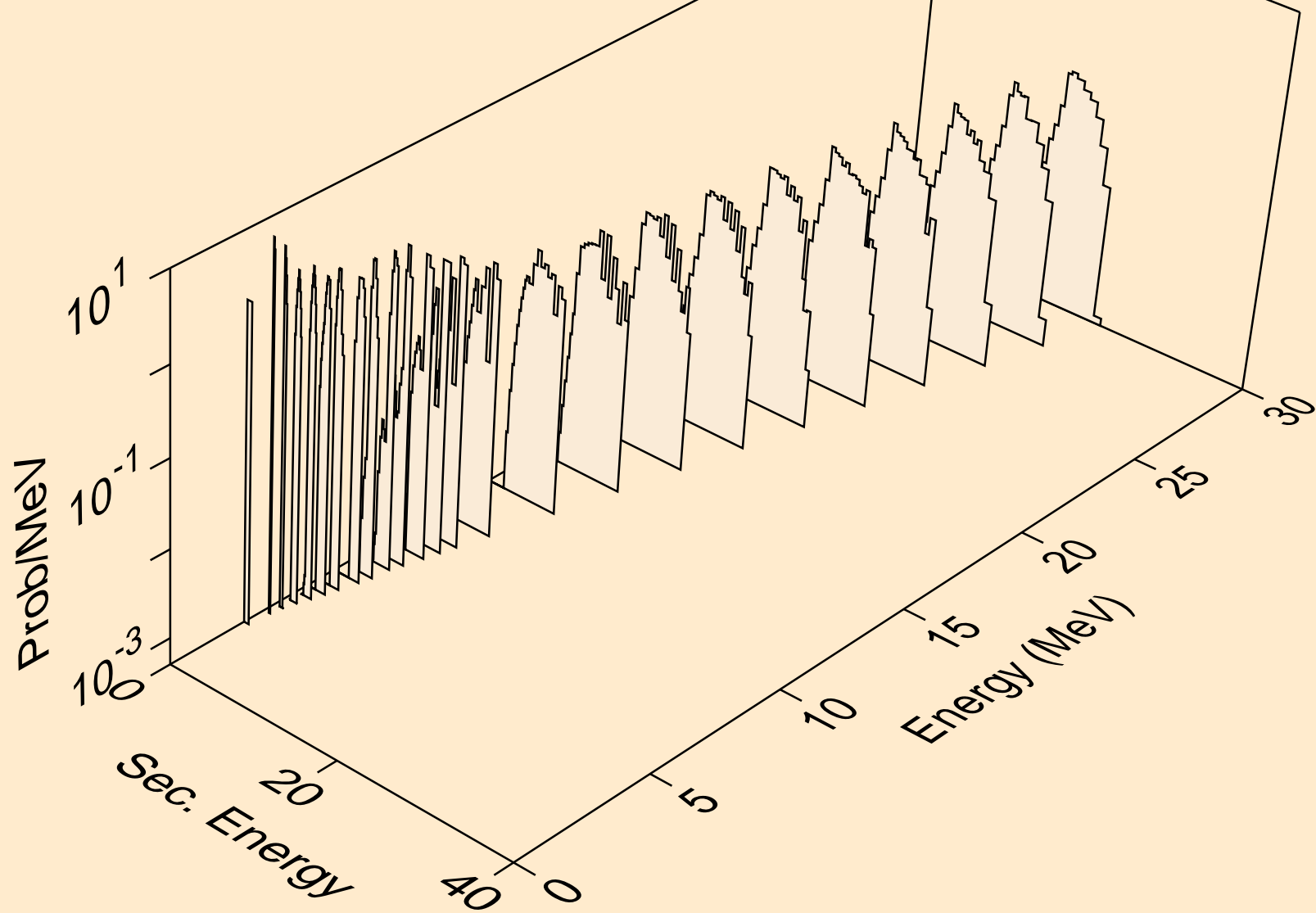
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alphas from (n,n\*)2a



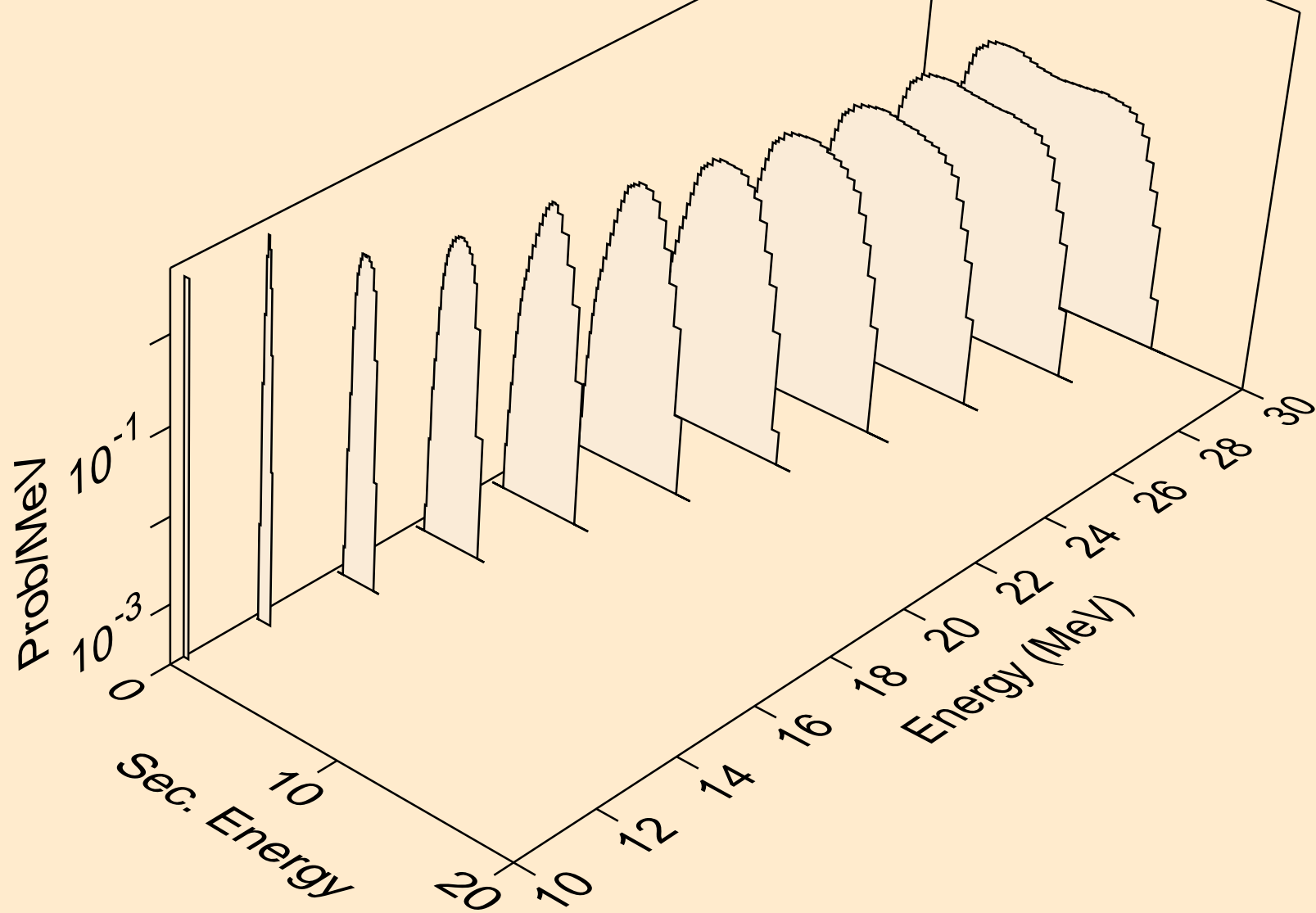
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alphas from (n,npa)



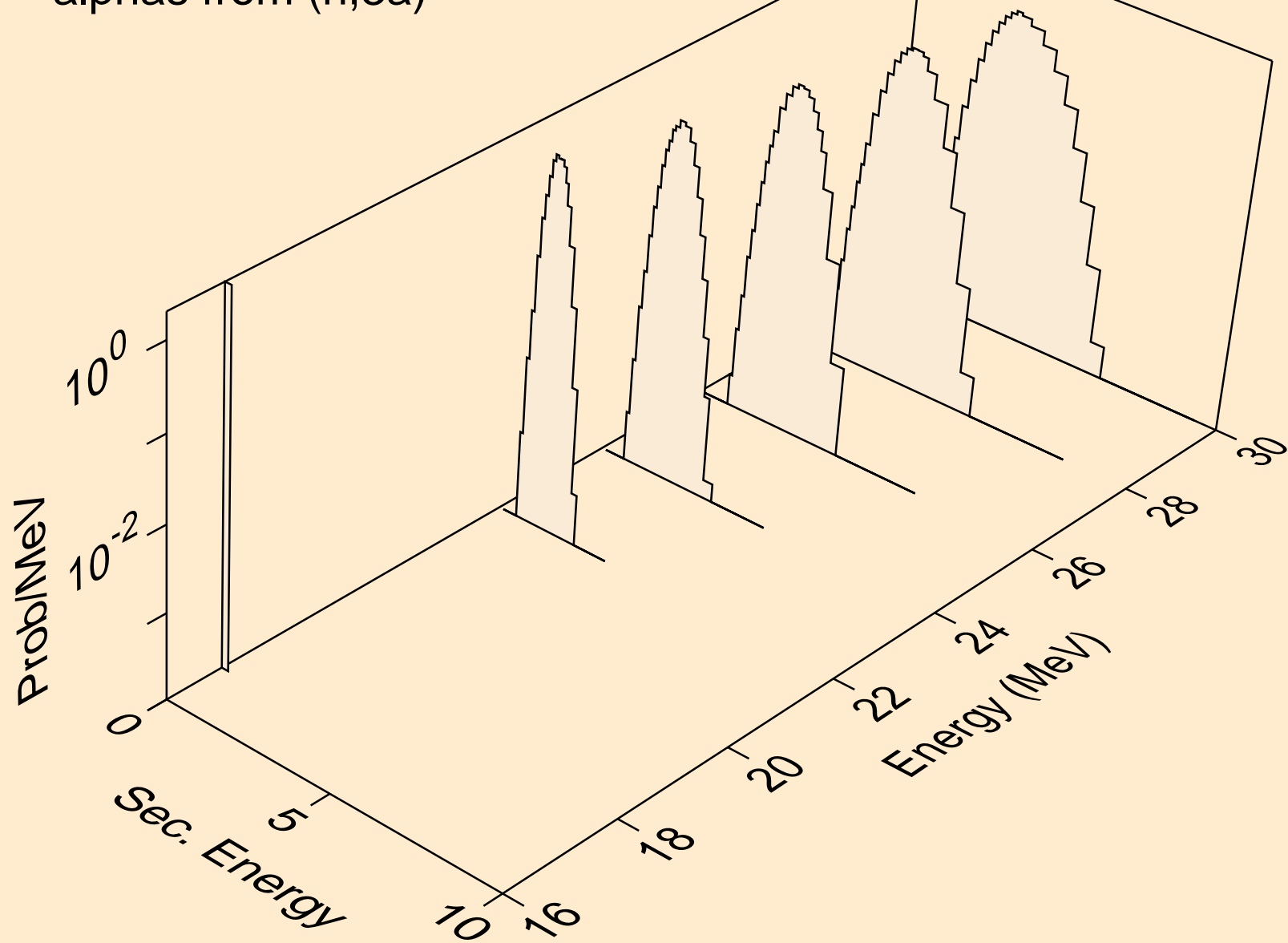
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alphas from (n,a)



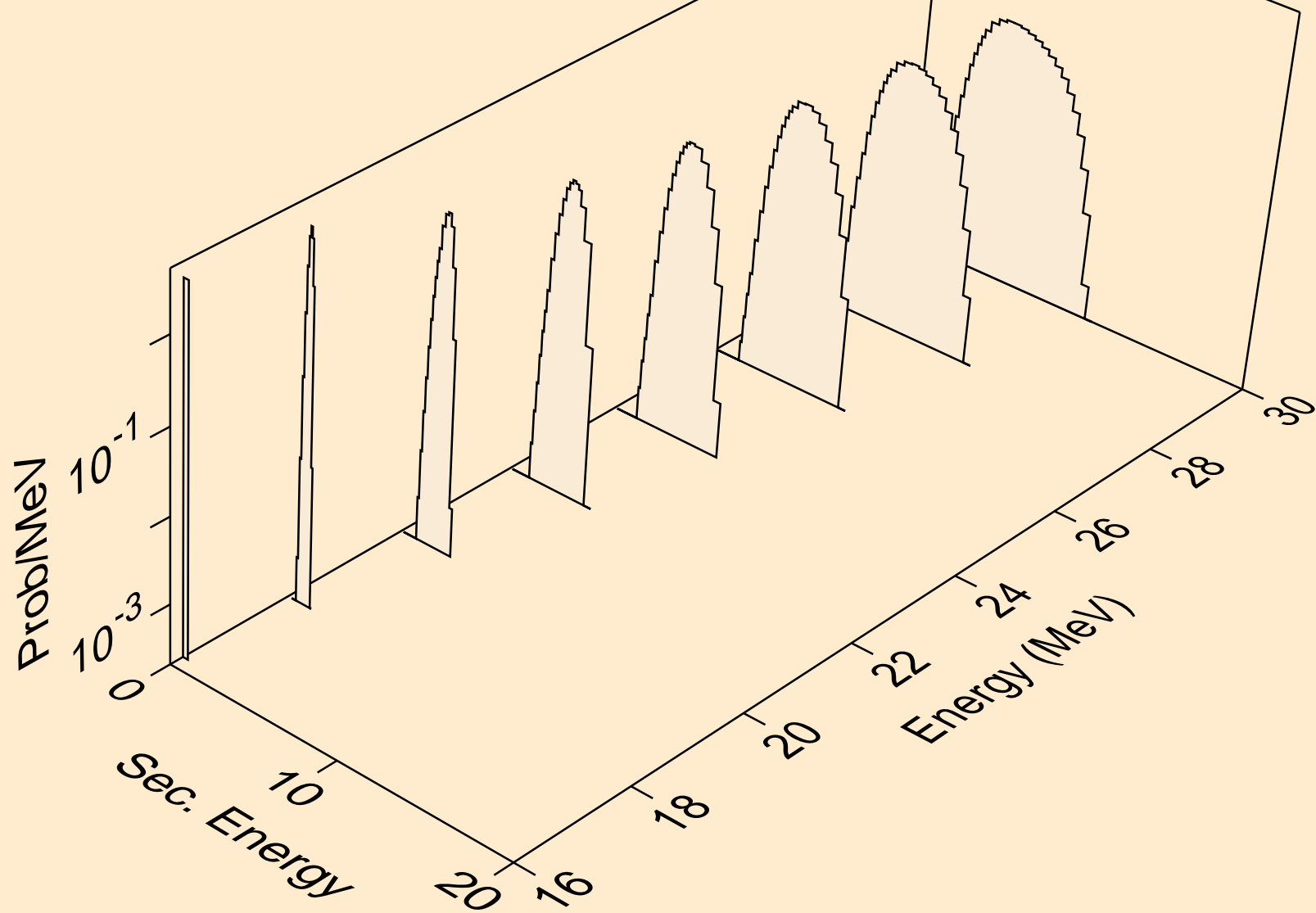
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



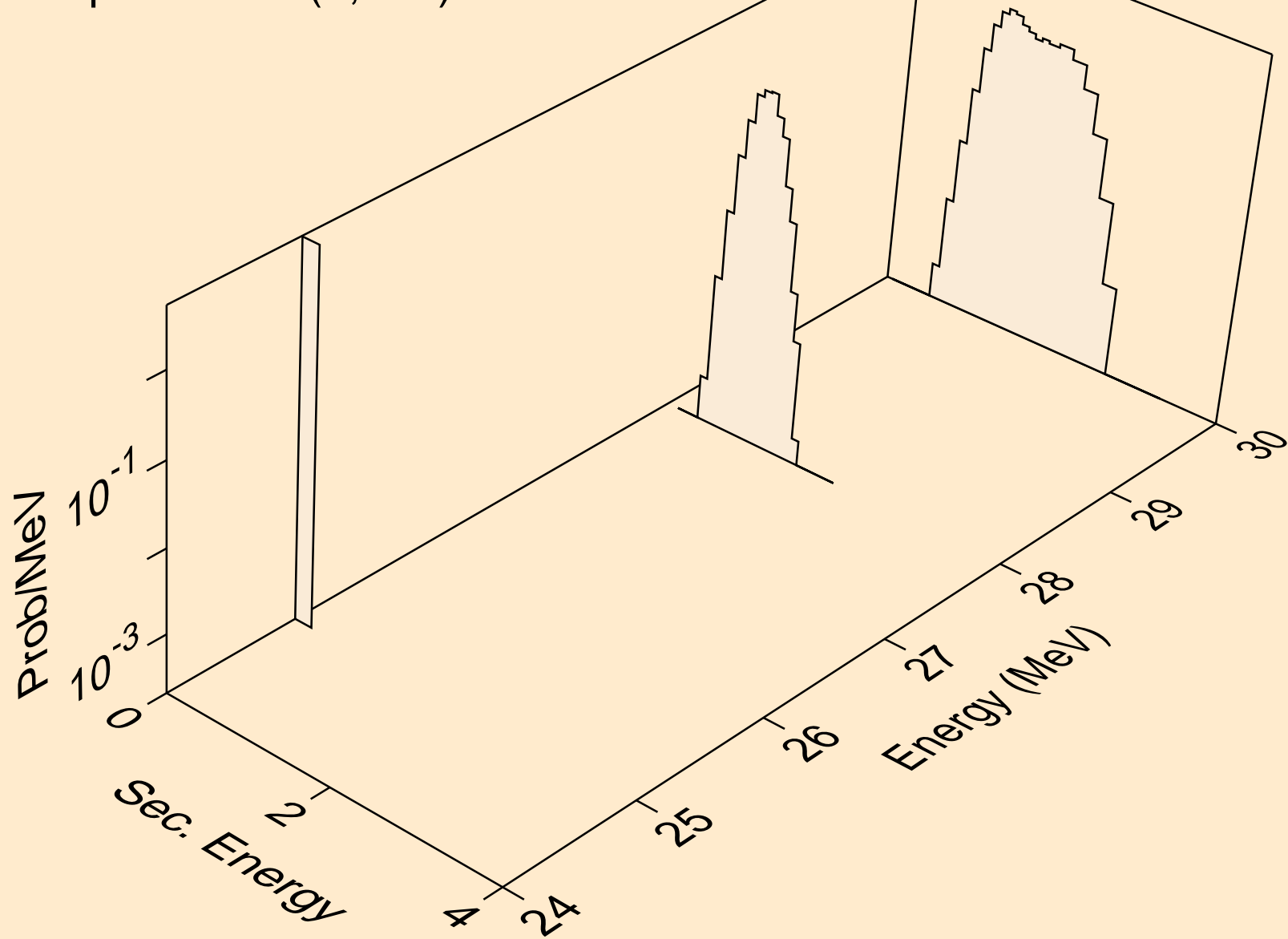
MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



MG024 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

