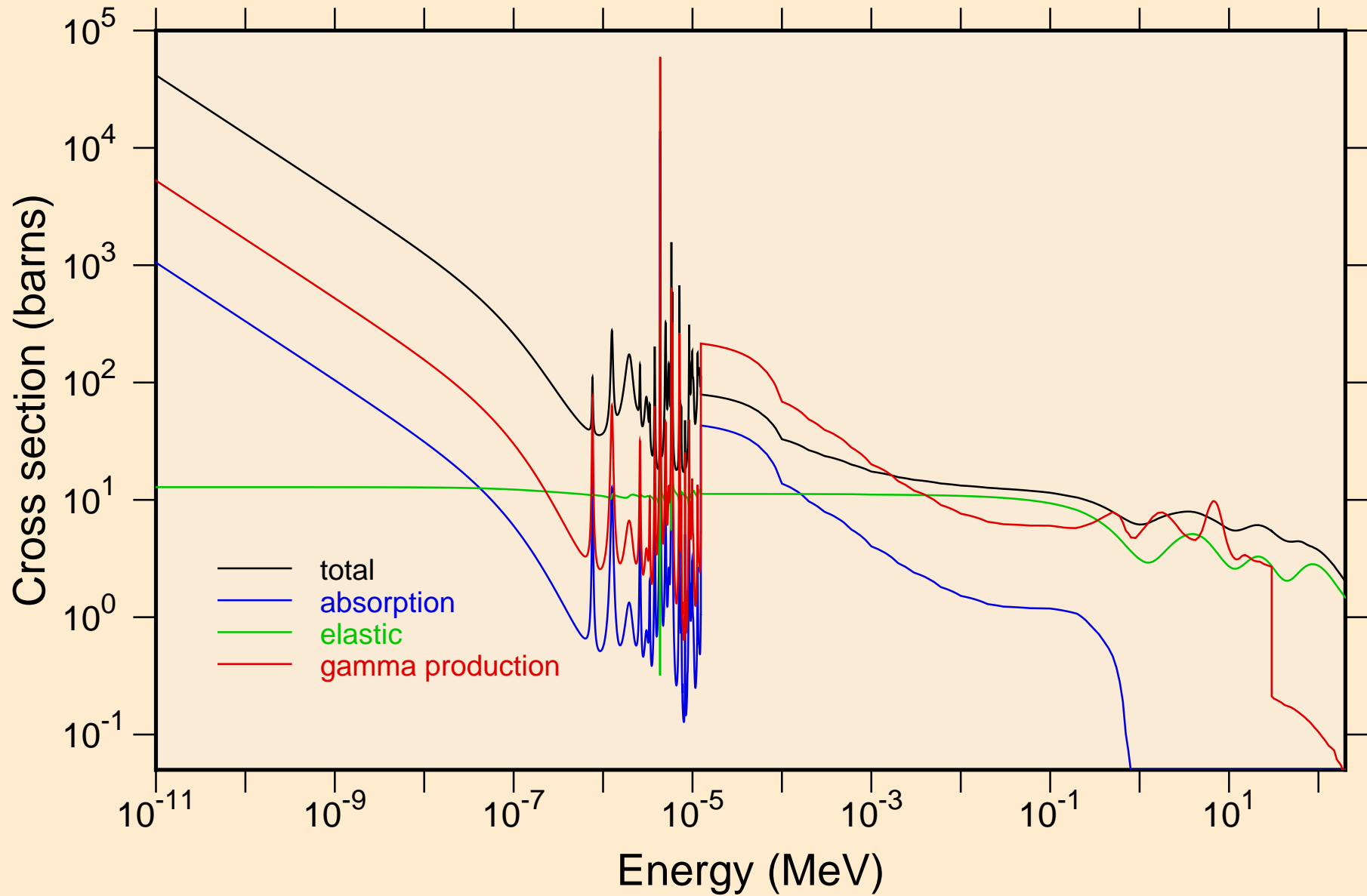
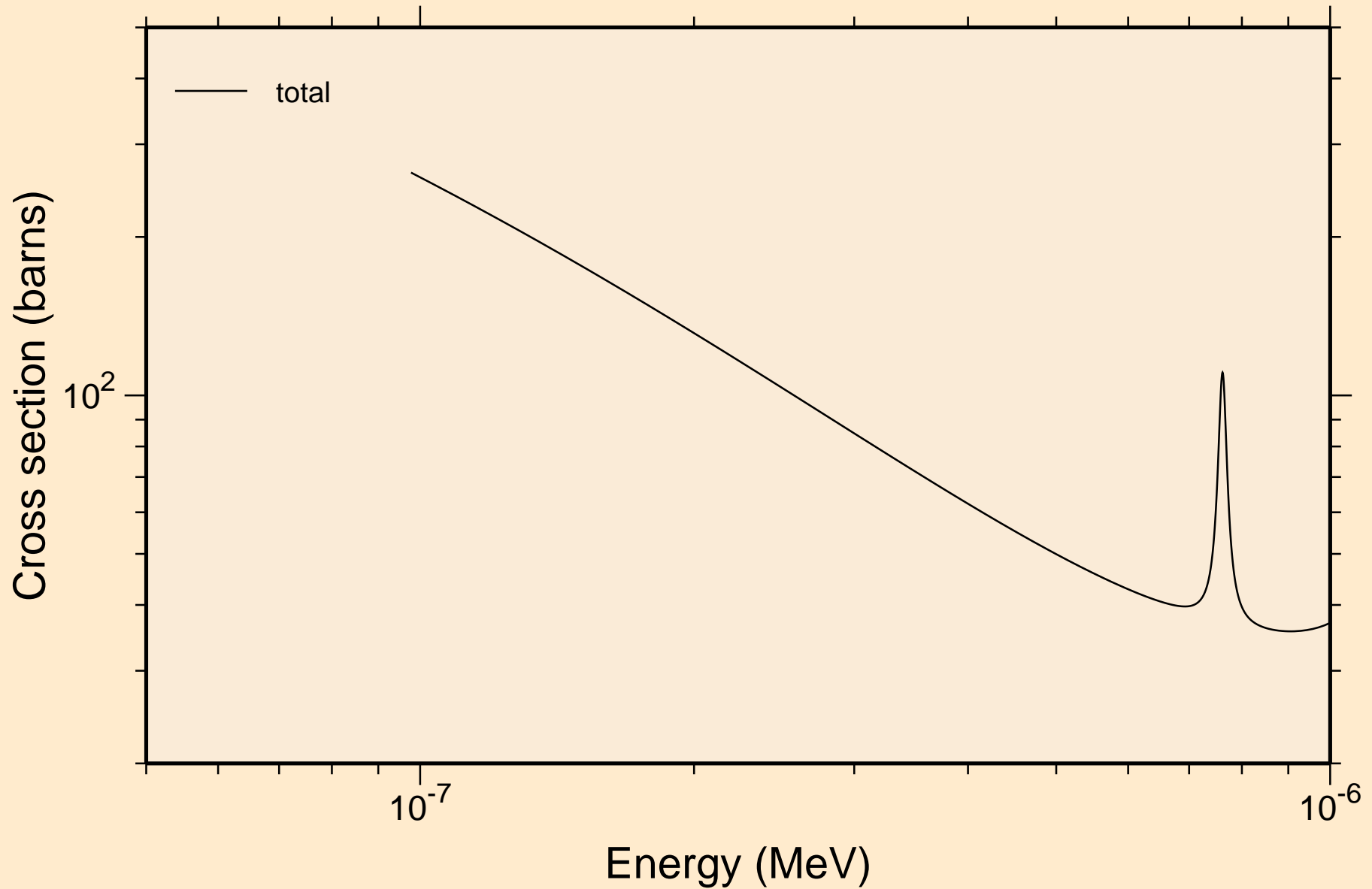


# PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

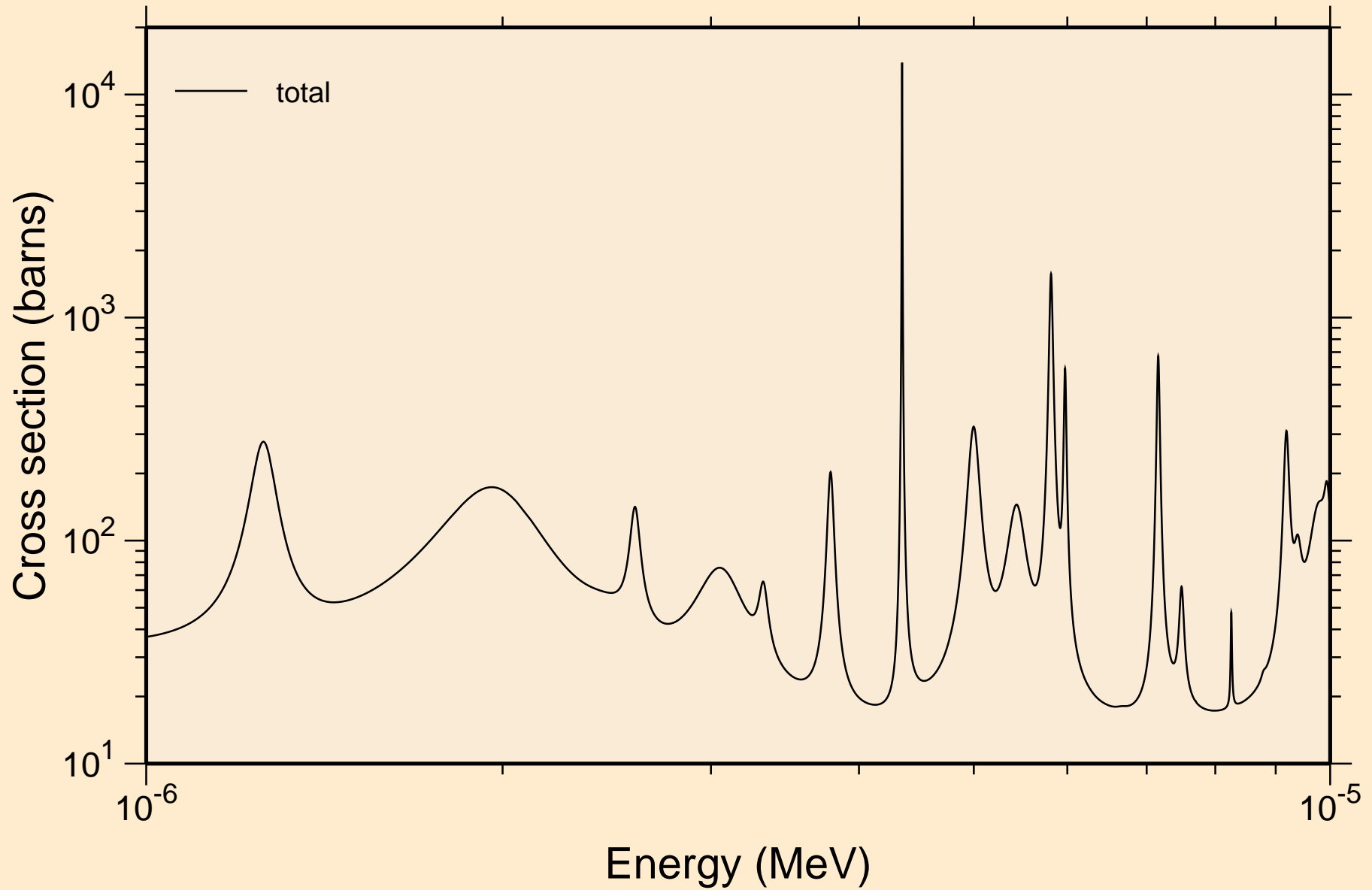
## Principal cross sections



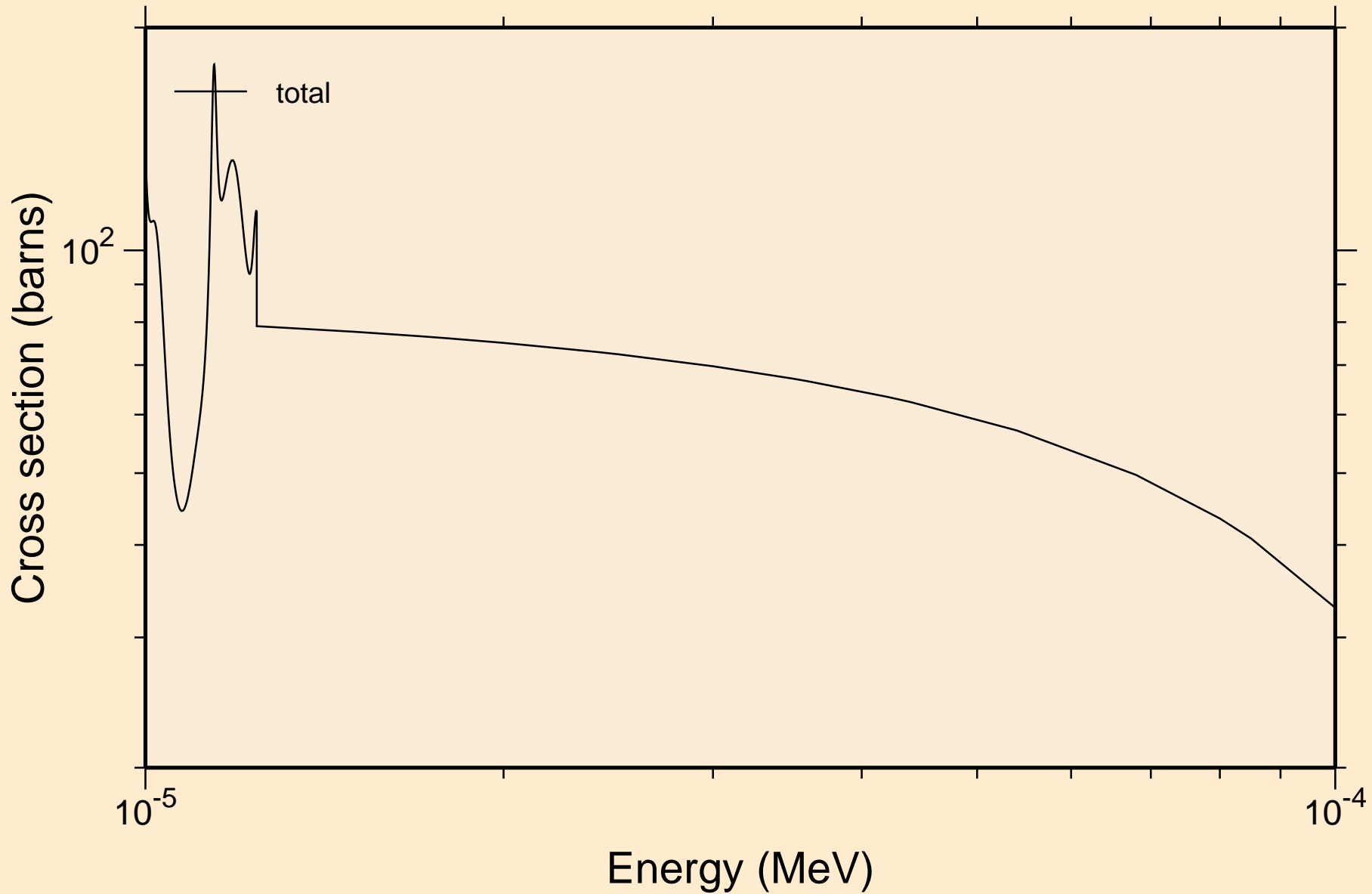
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



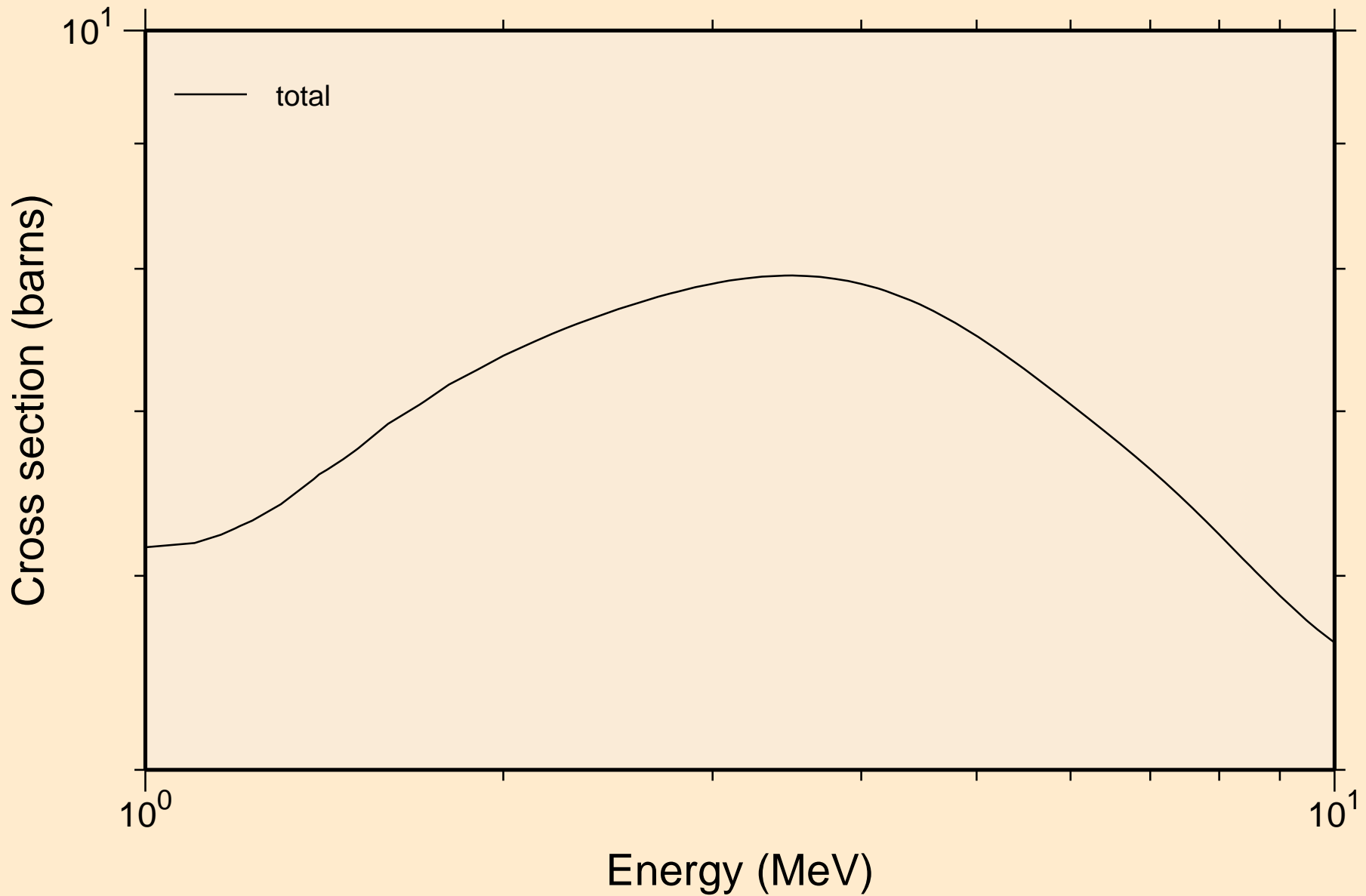
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



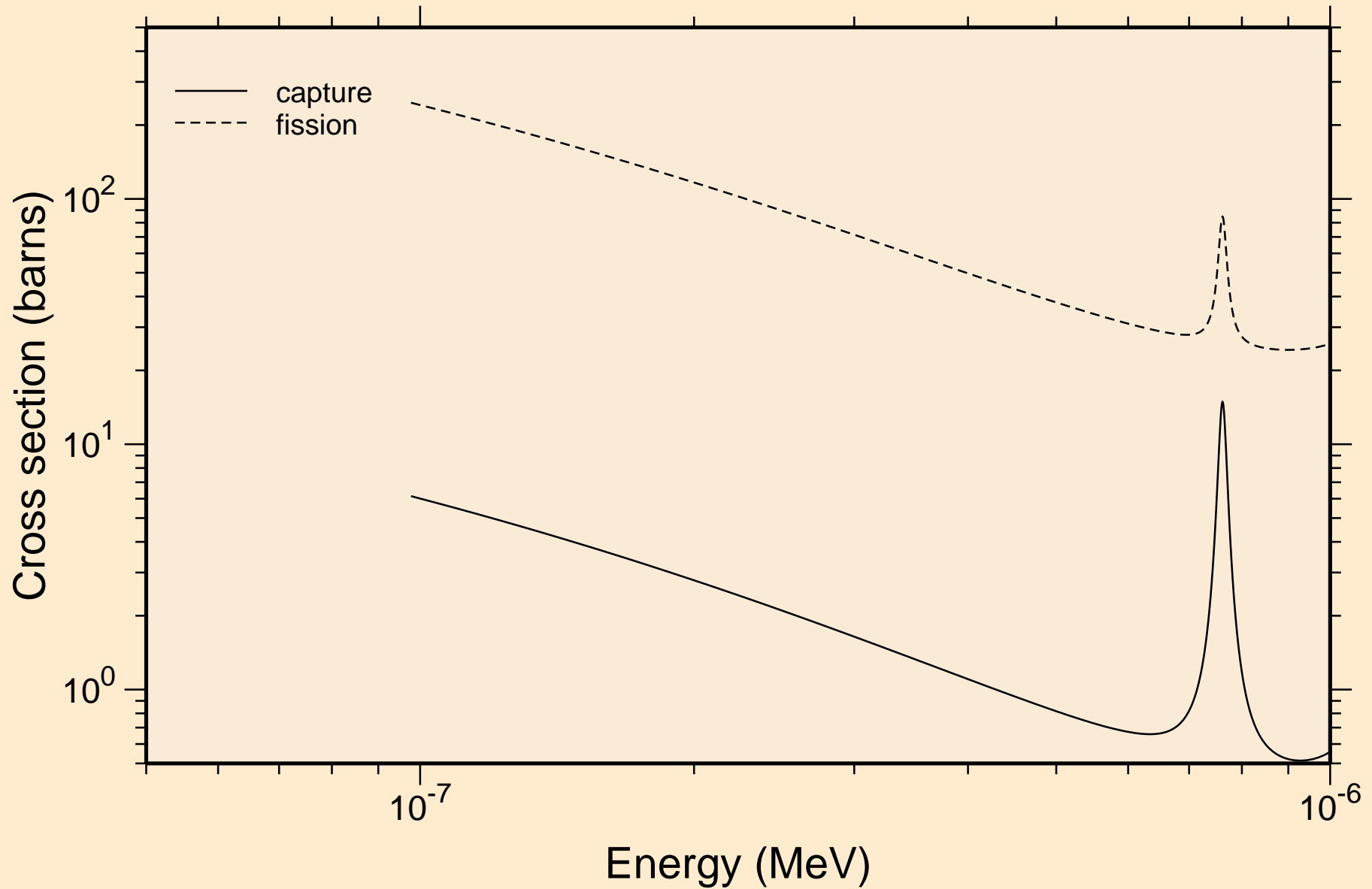
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



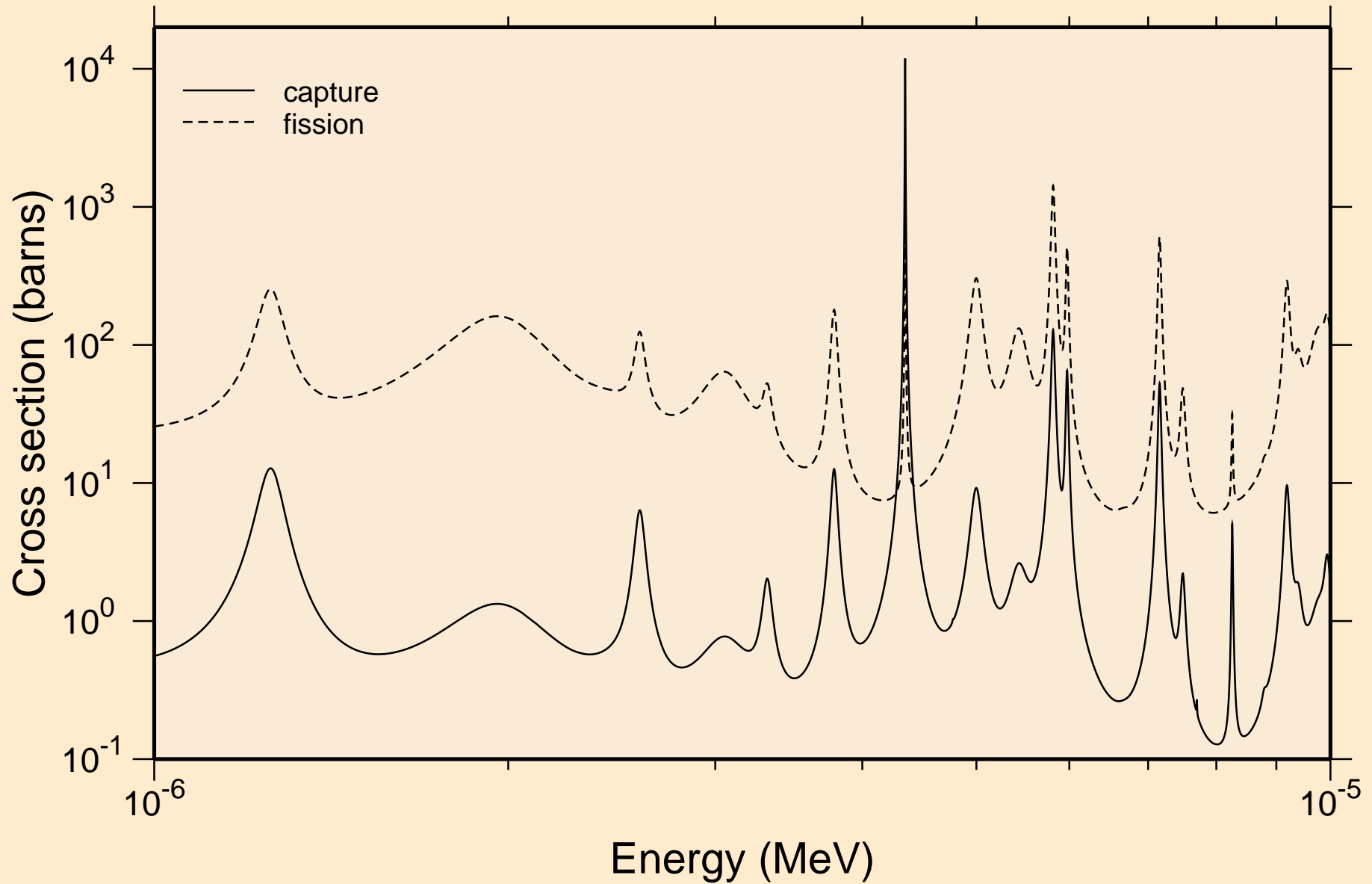
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



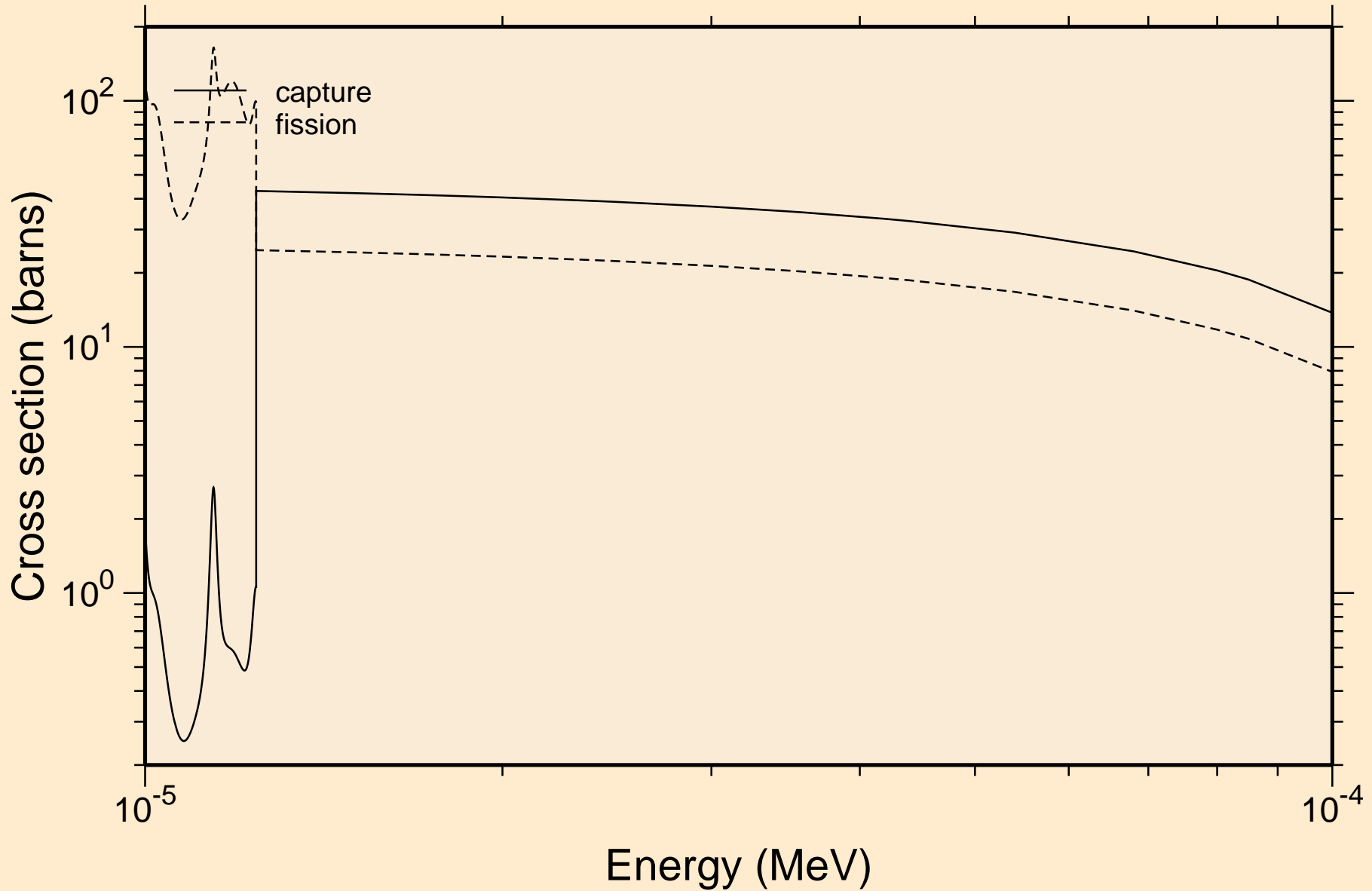
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

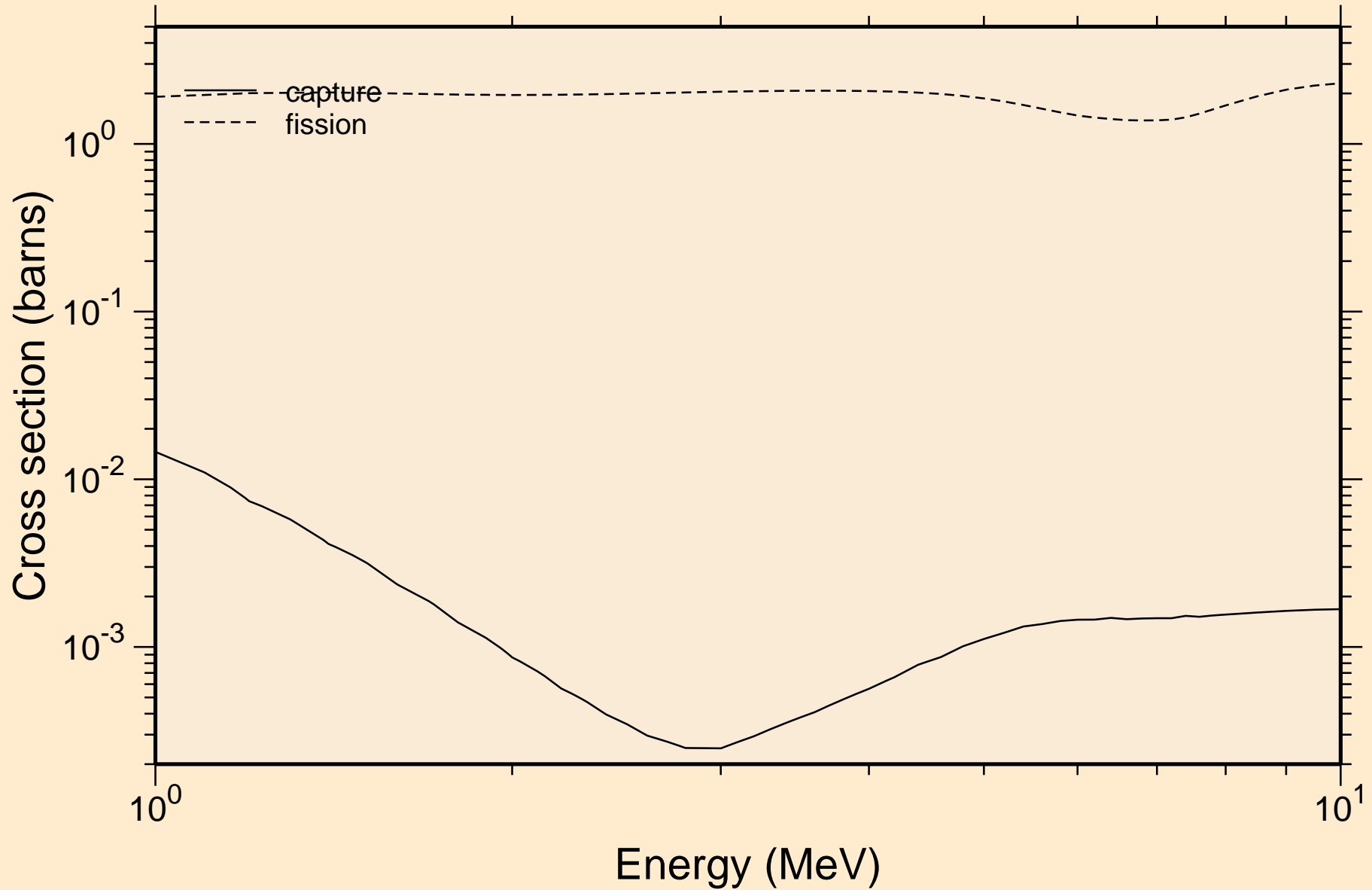


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



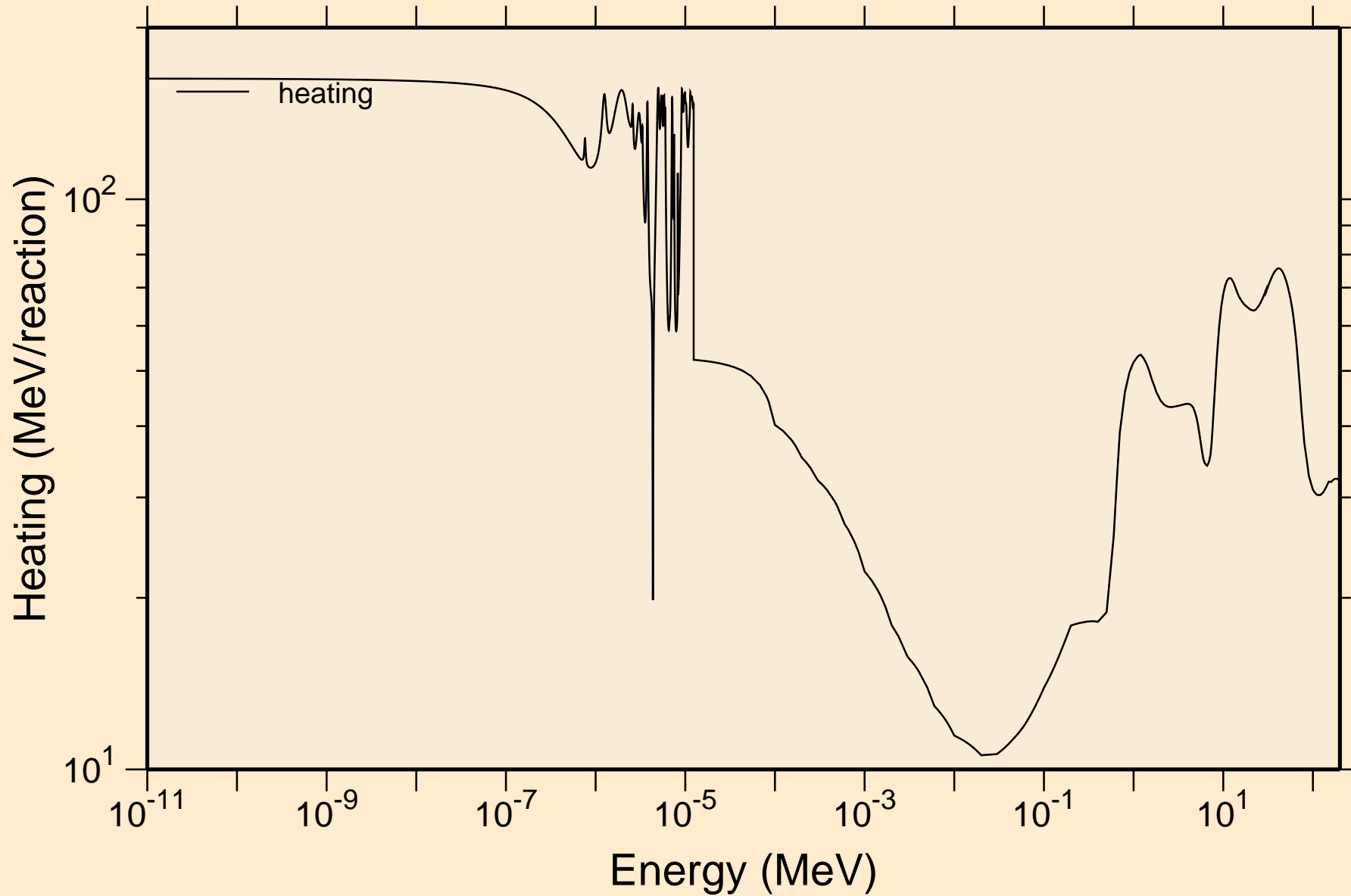


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

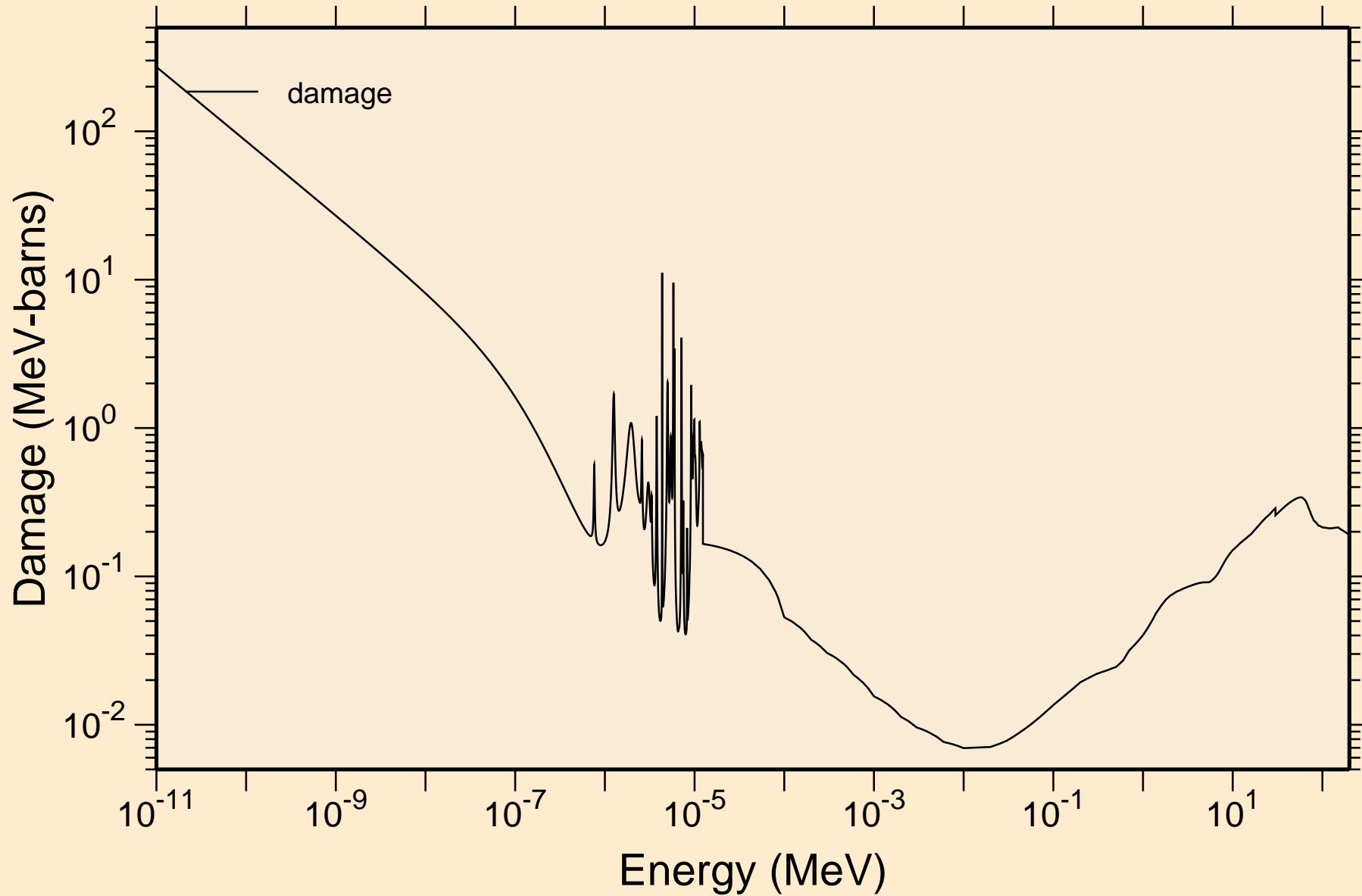


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

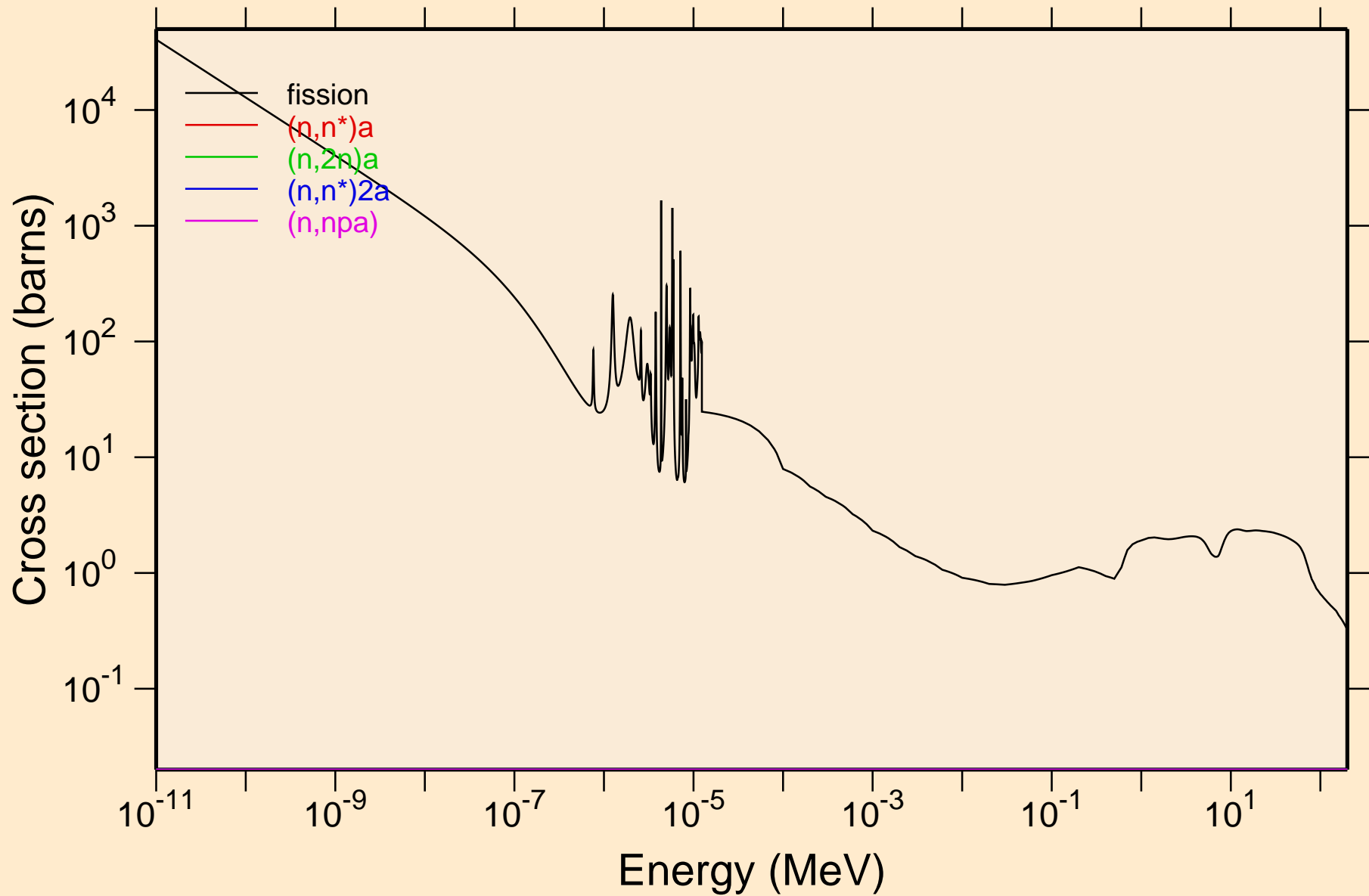
Heating



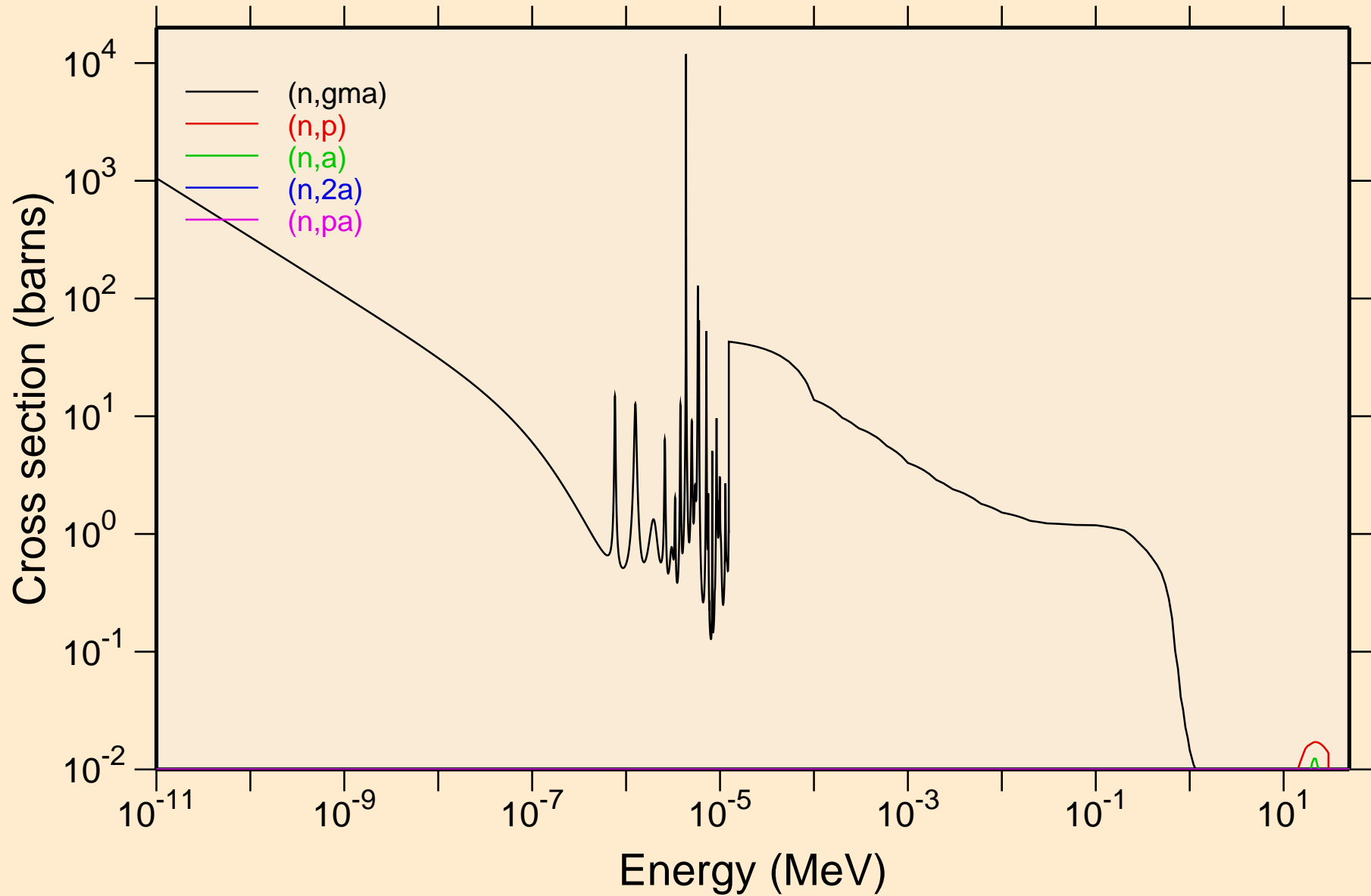
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



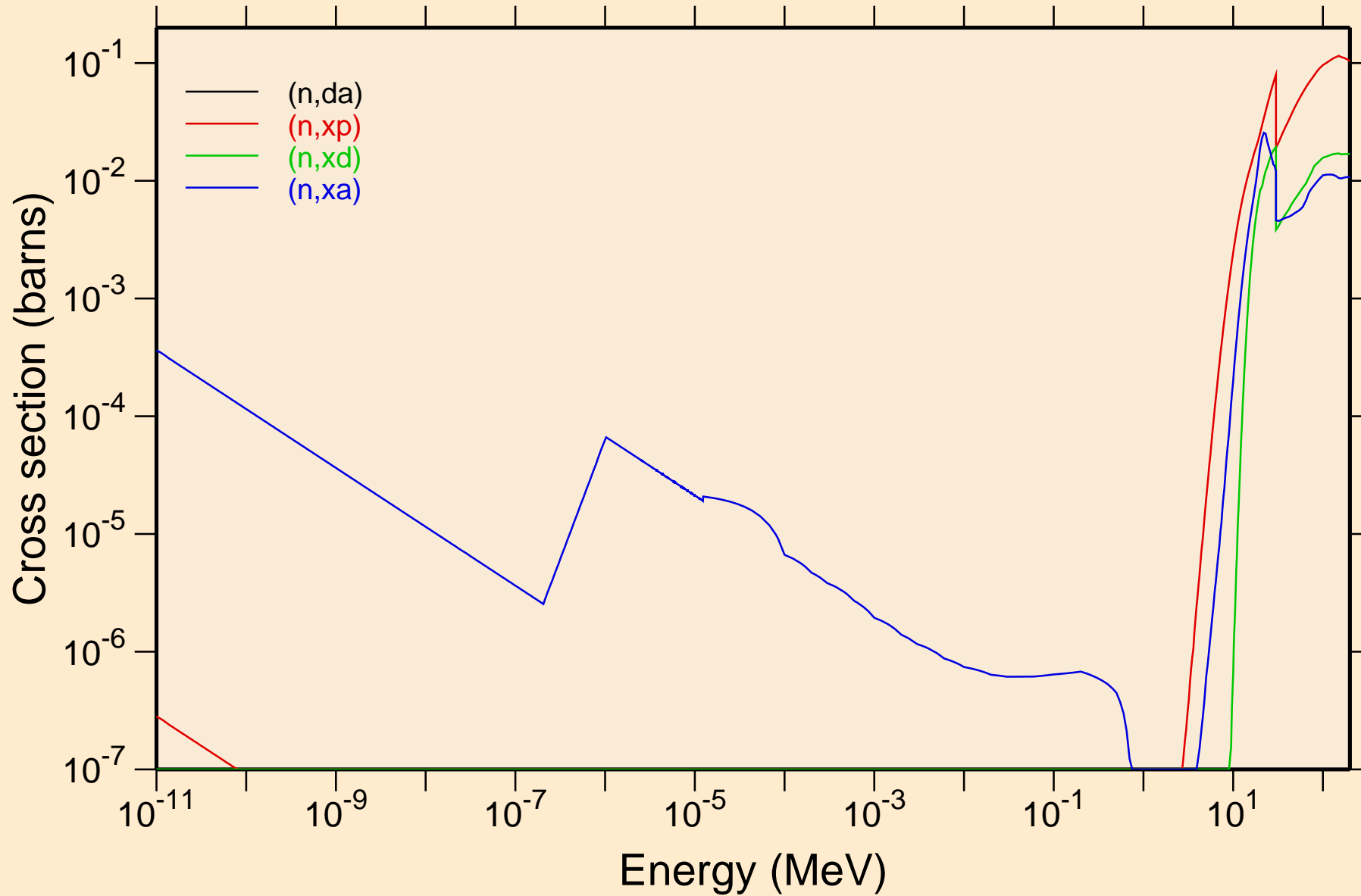
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

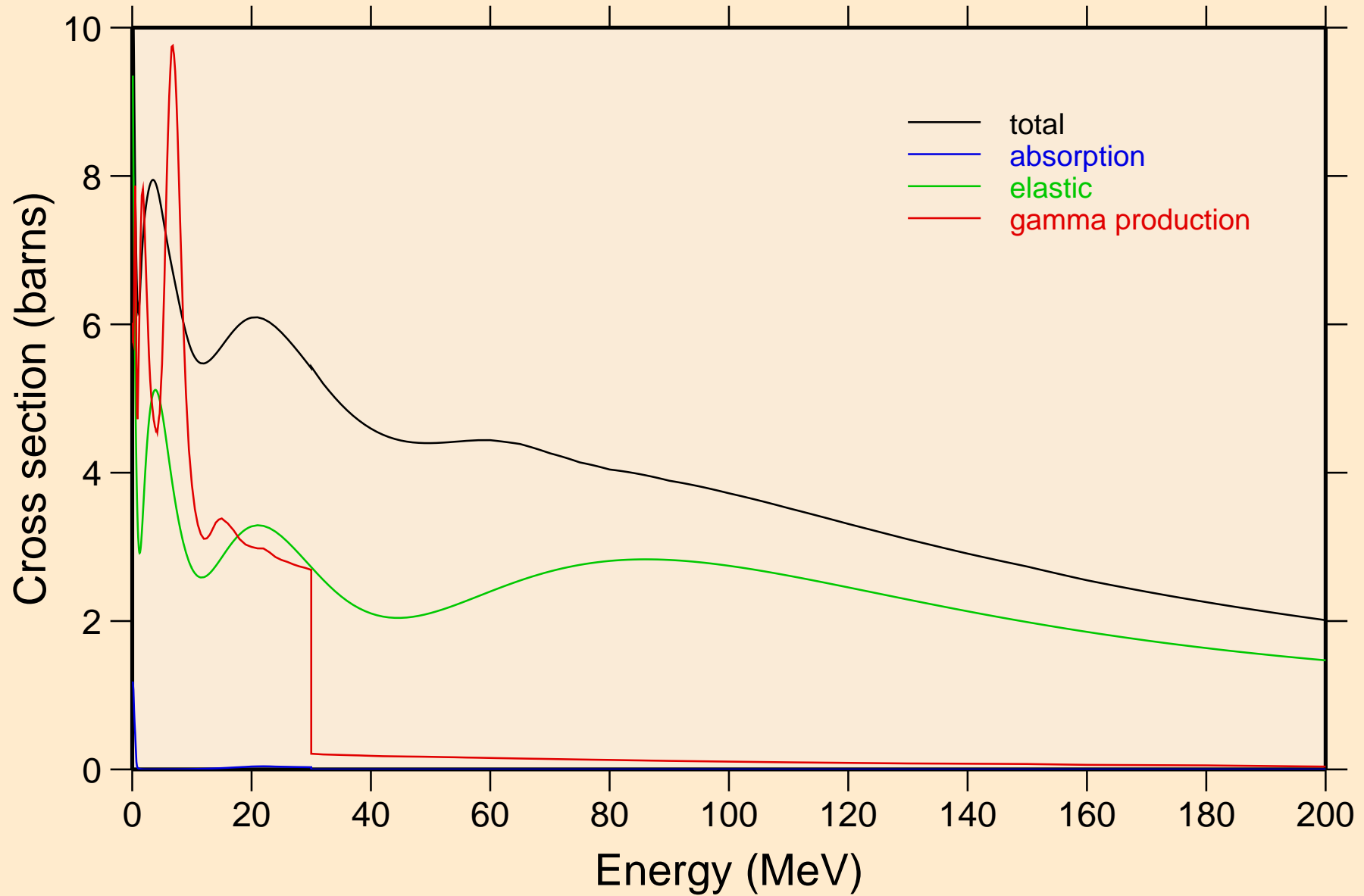


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



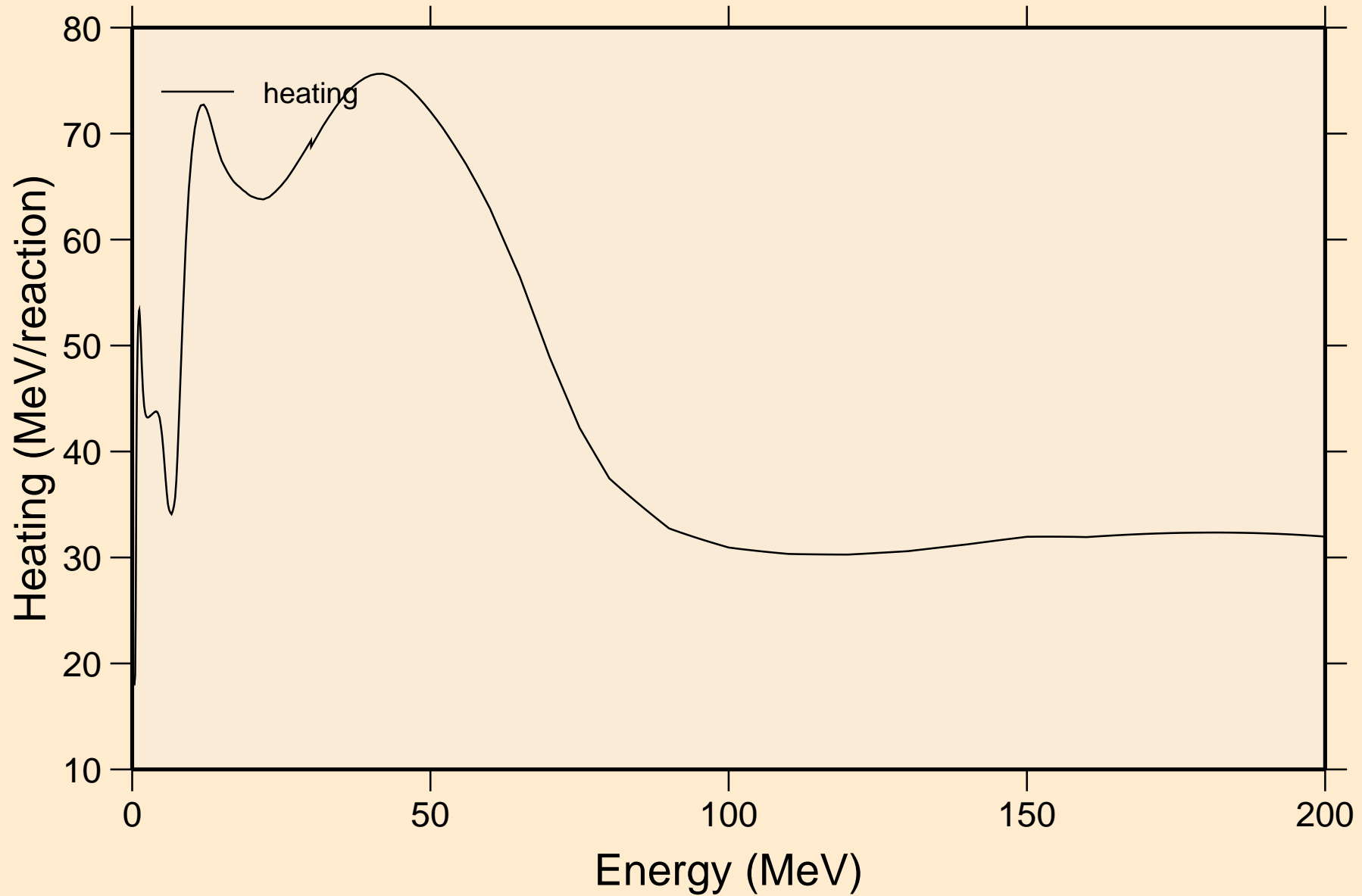
# PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



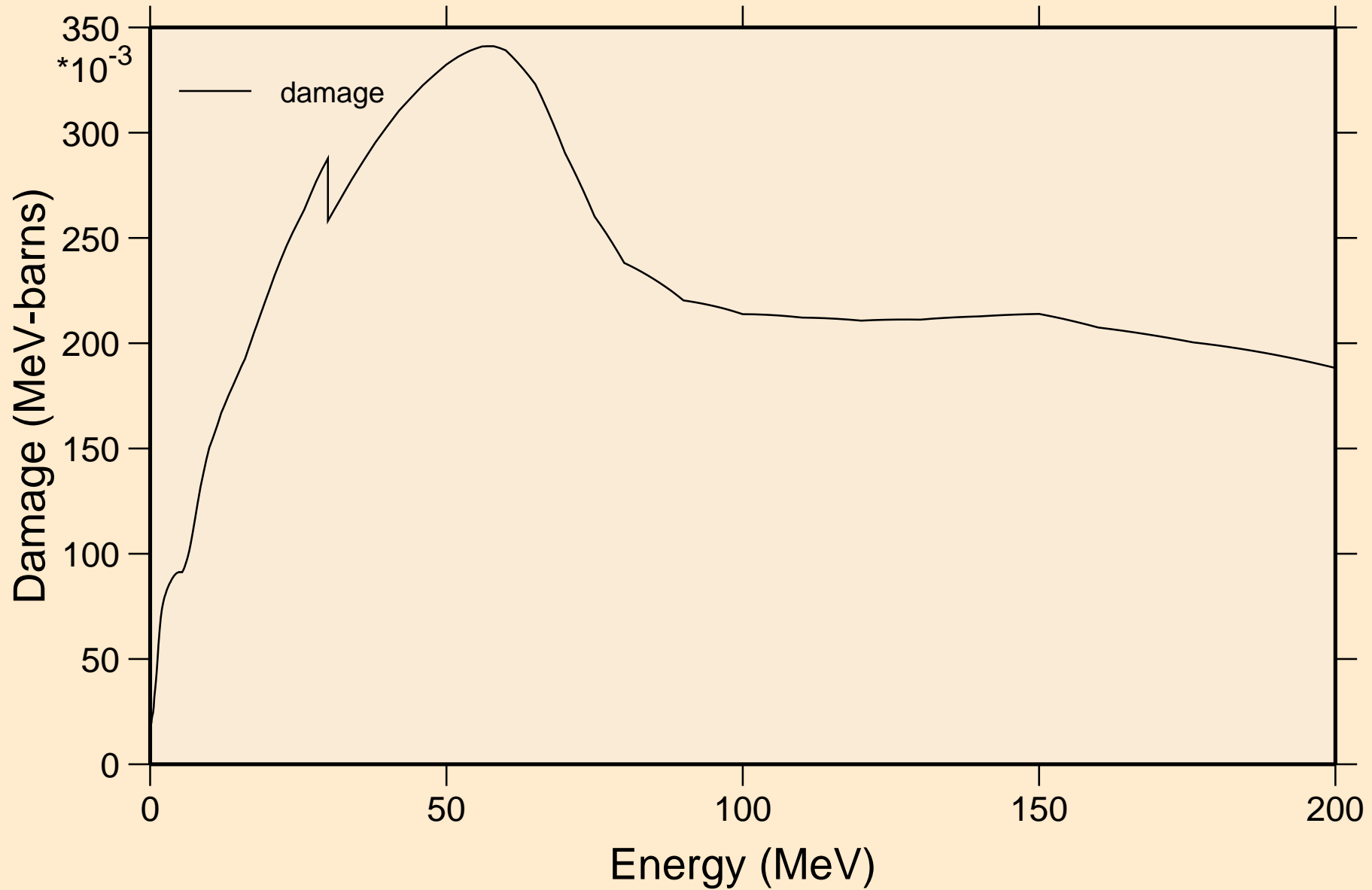
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



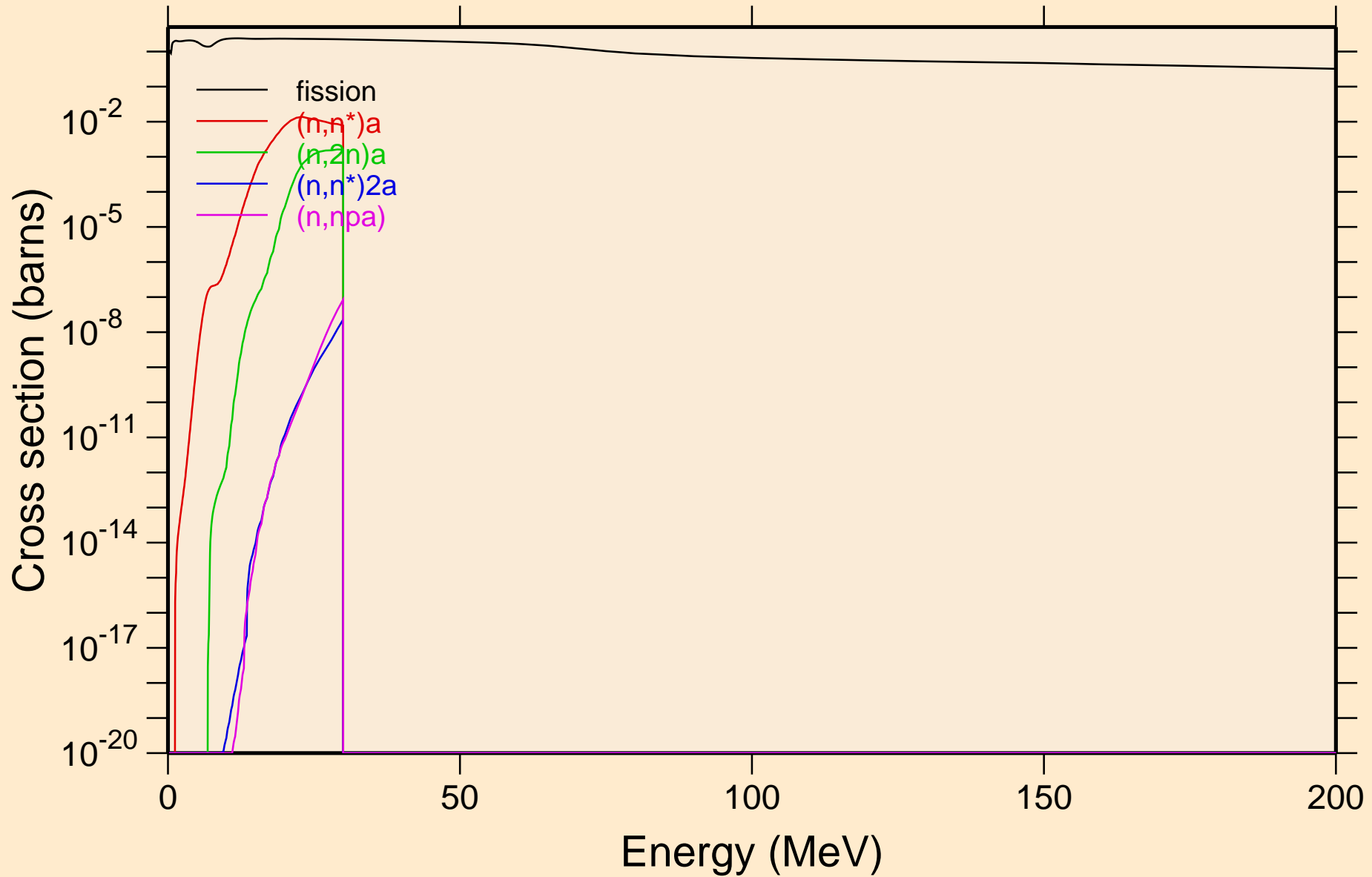


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

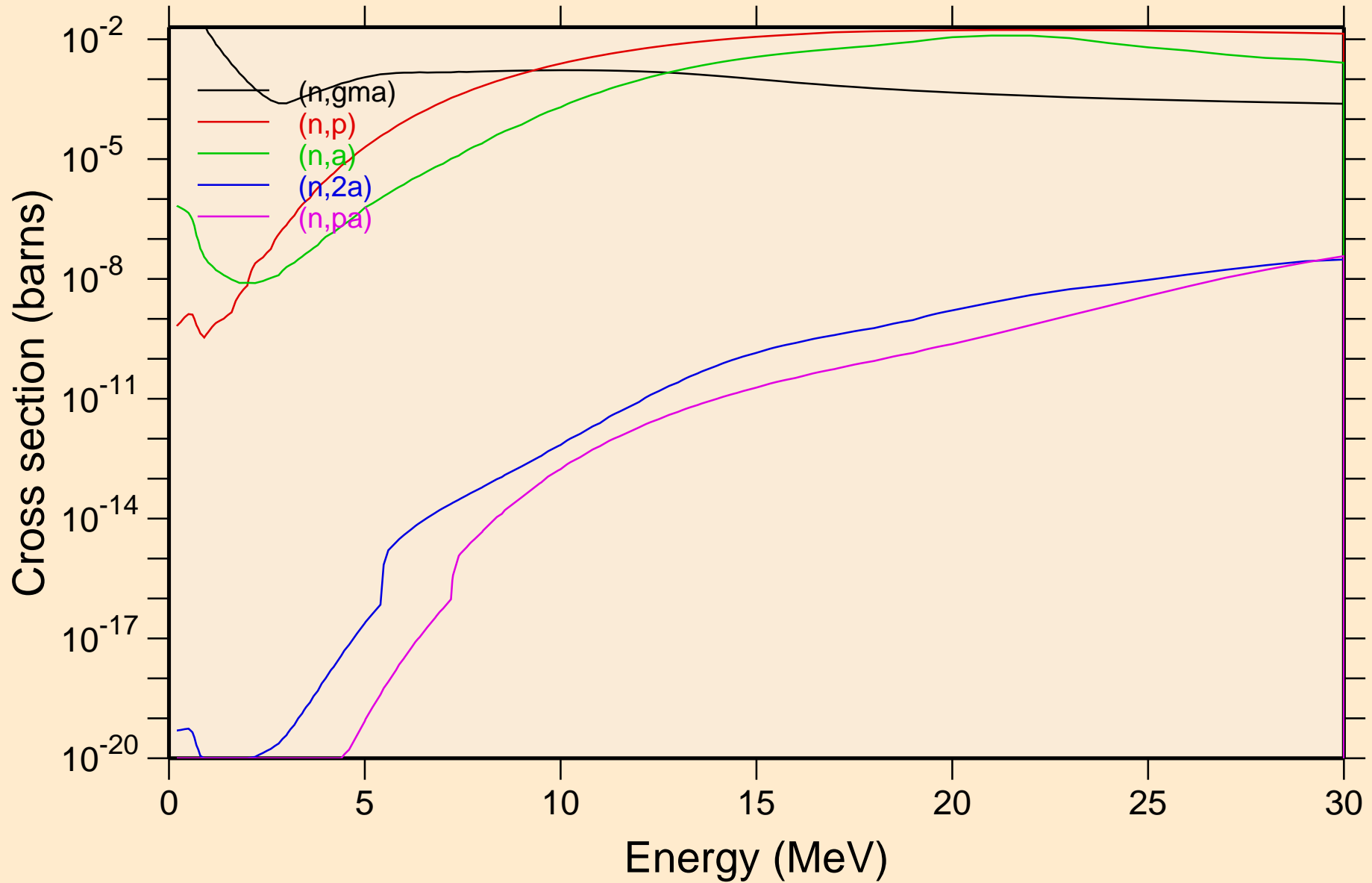


# PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

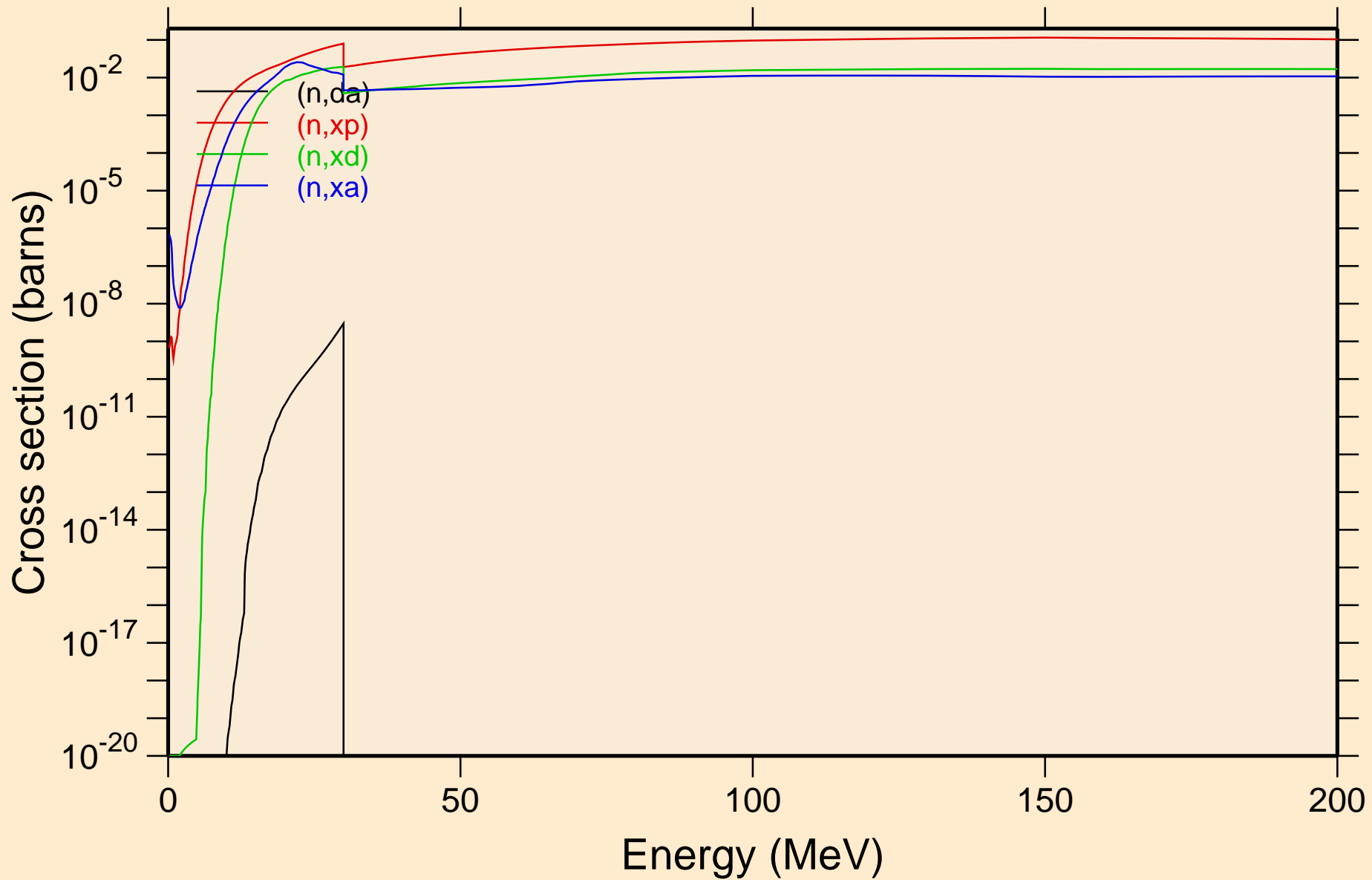
## Non-threshold reactions



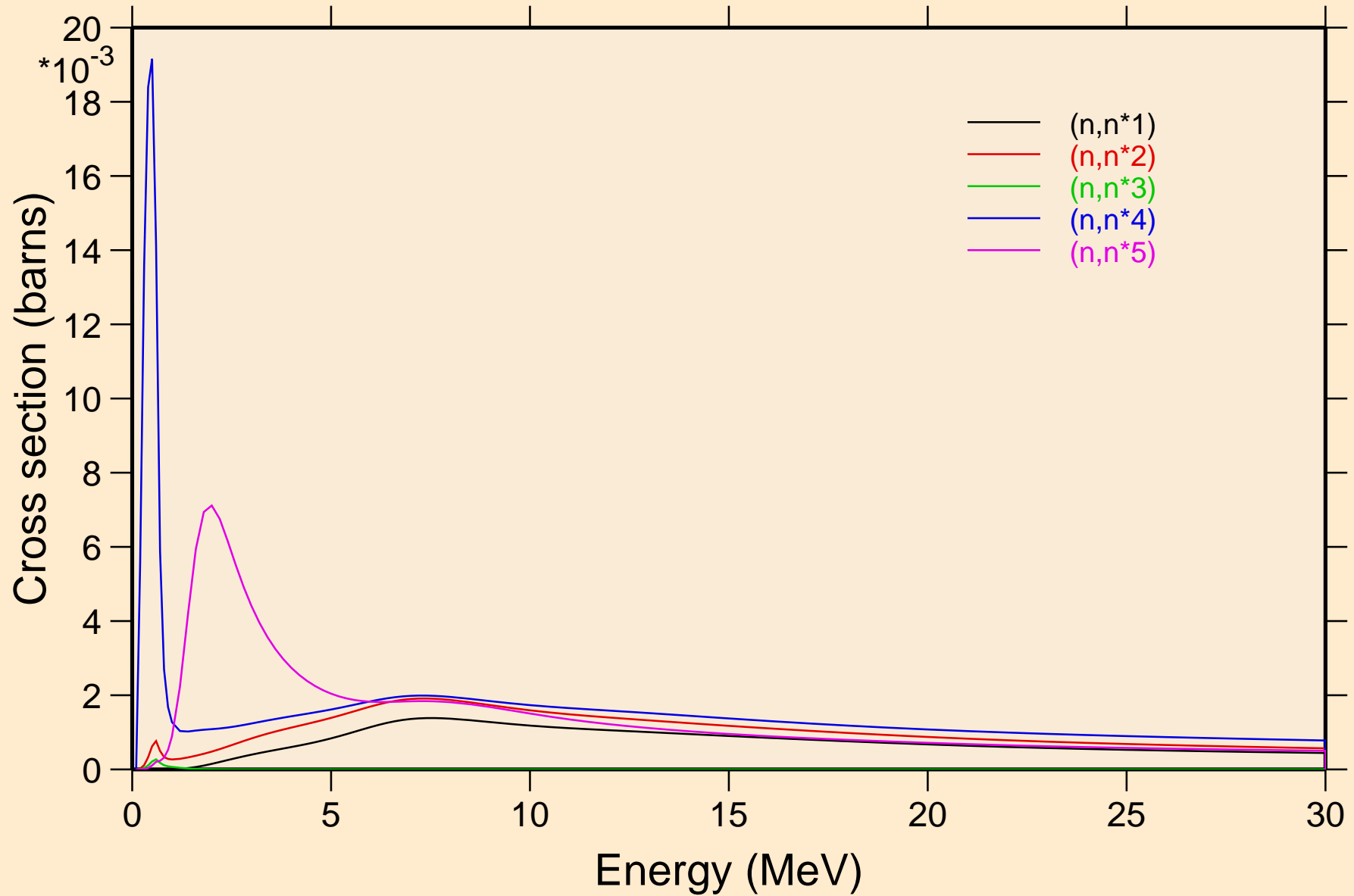
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



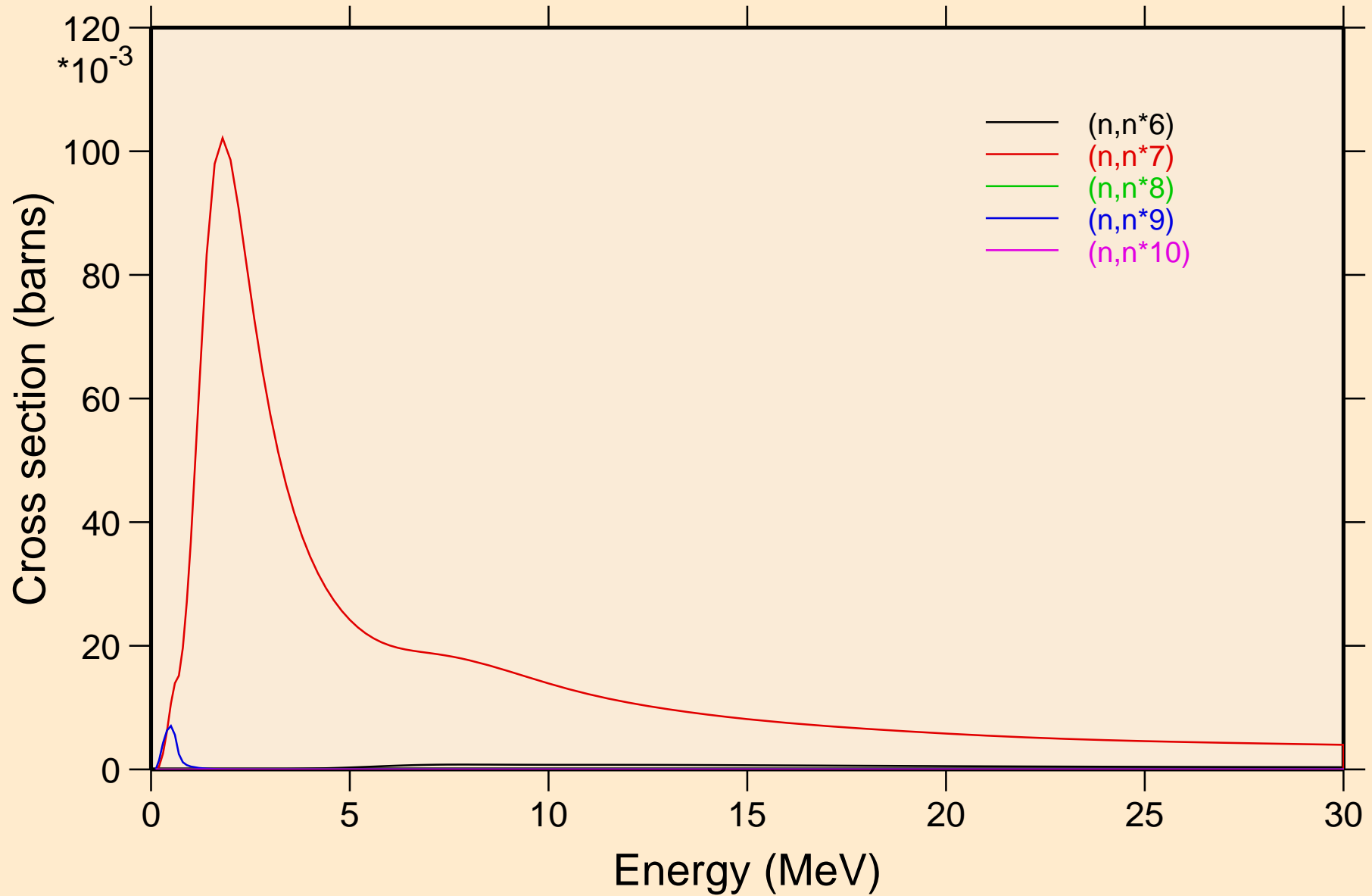
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



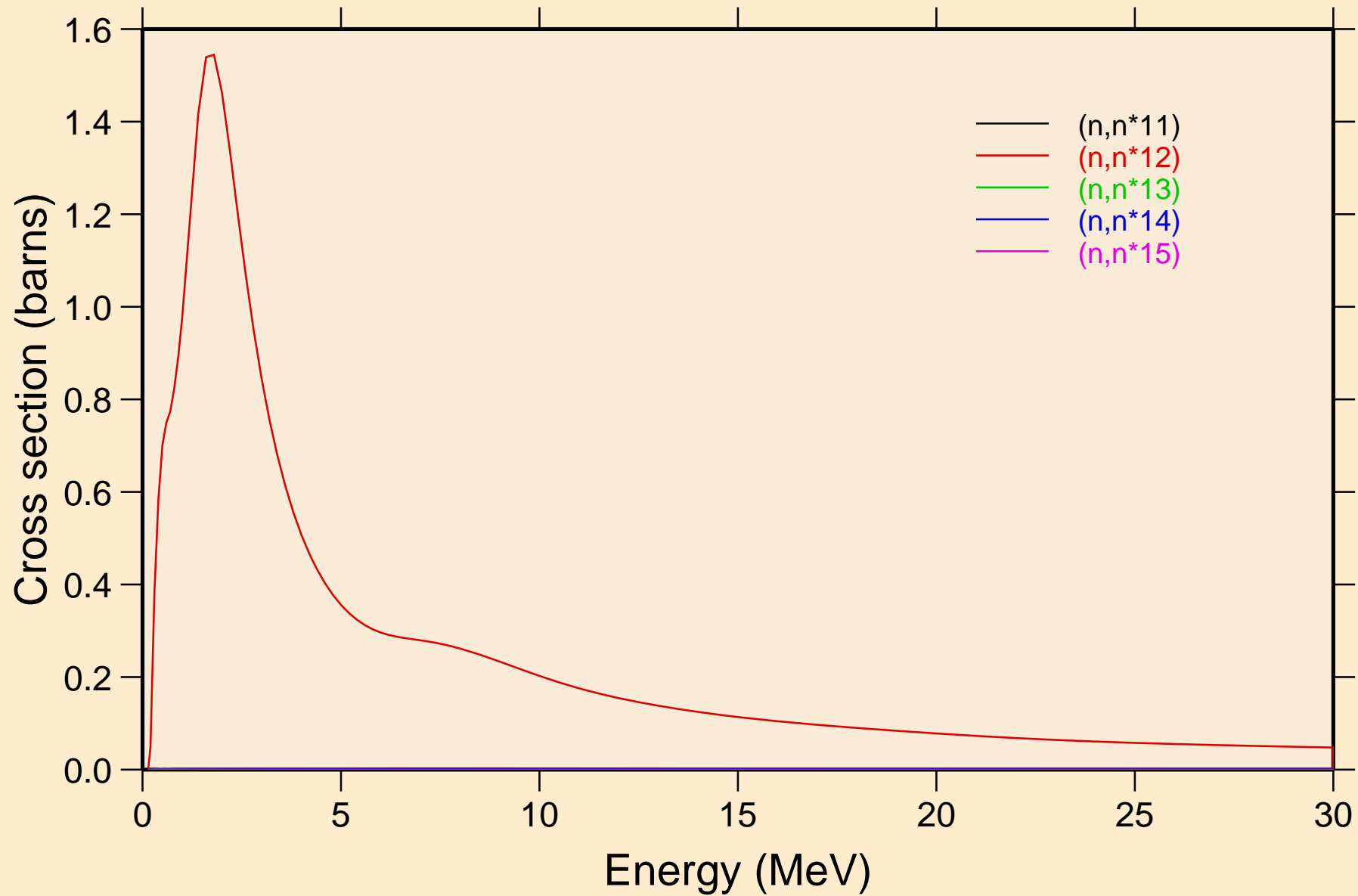
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



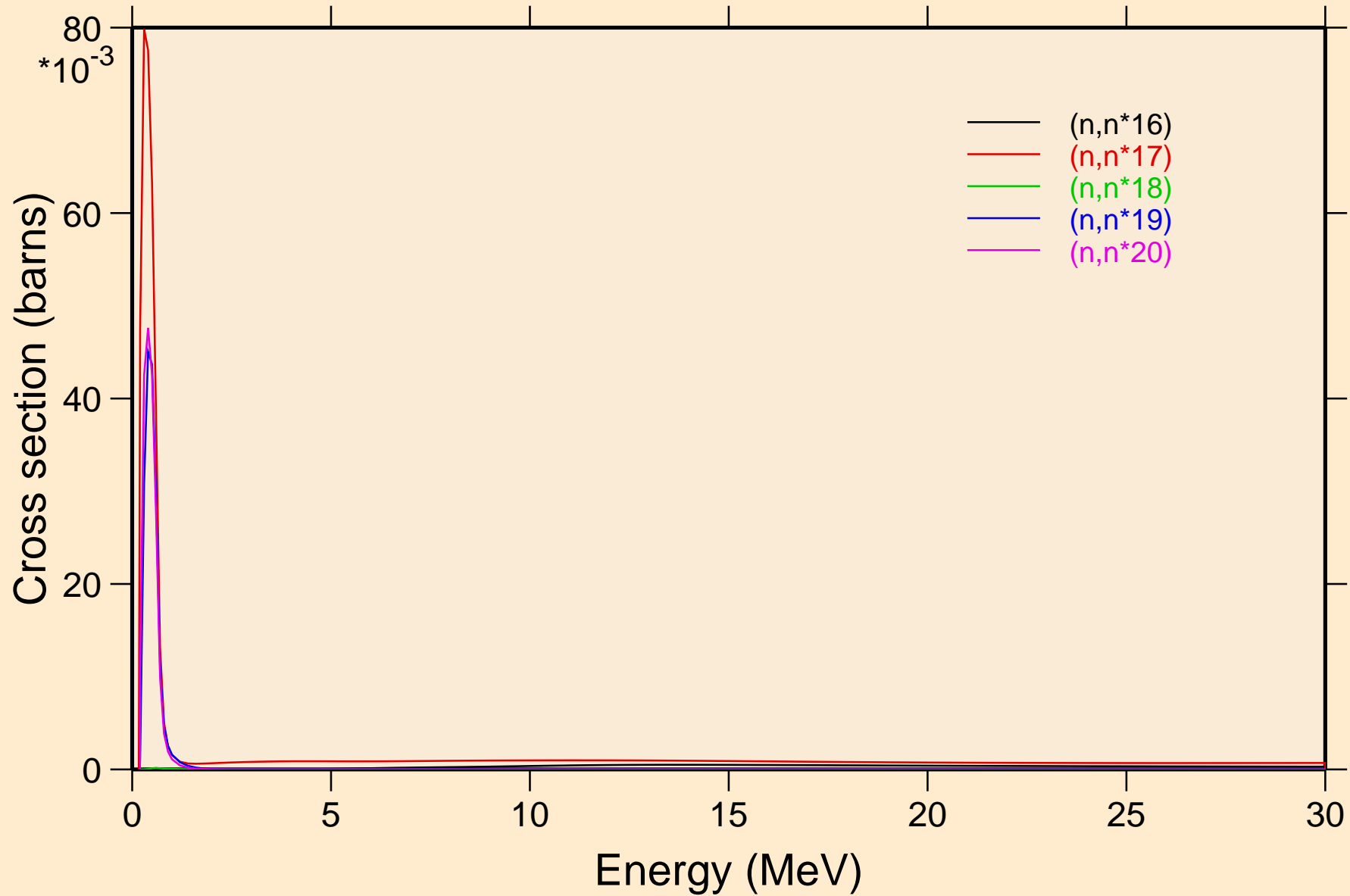
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

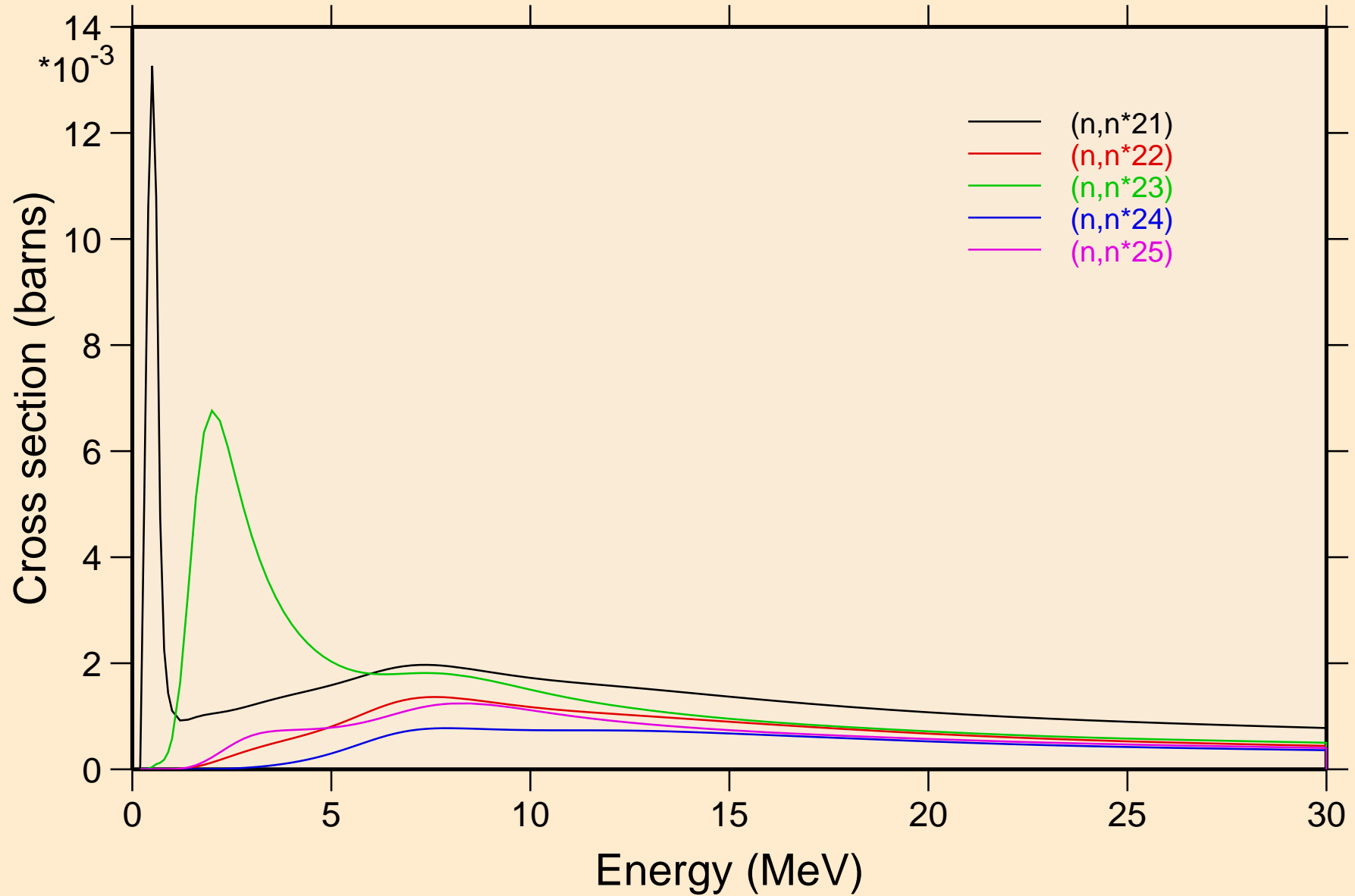


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

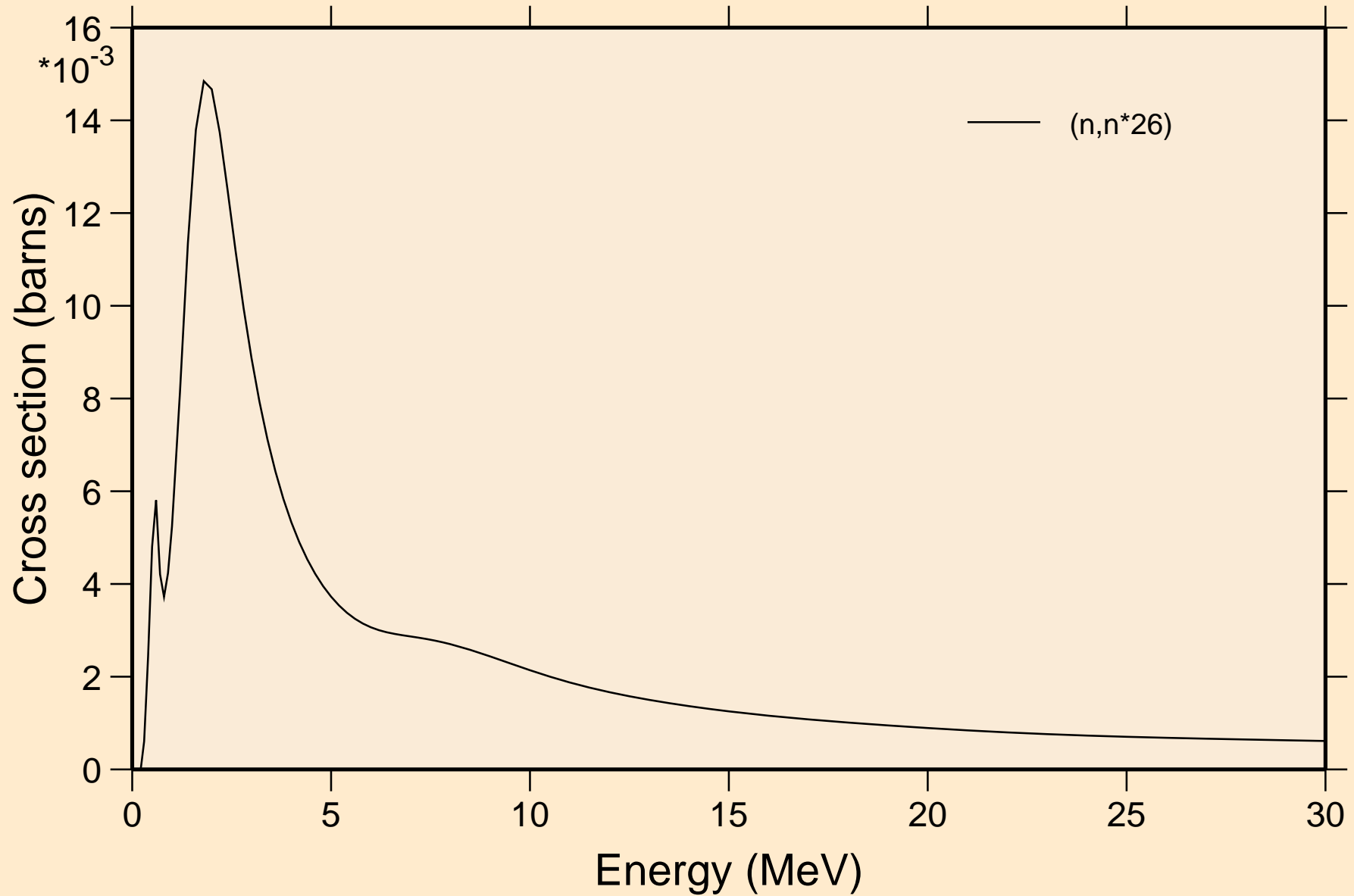




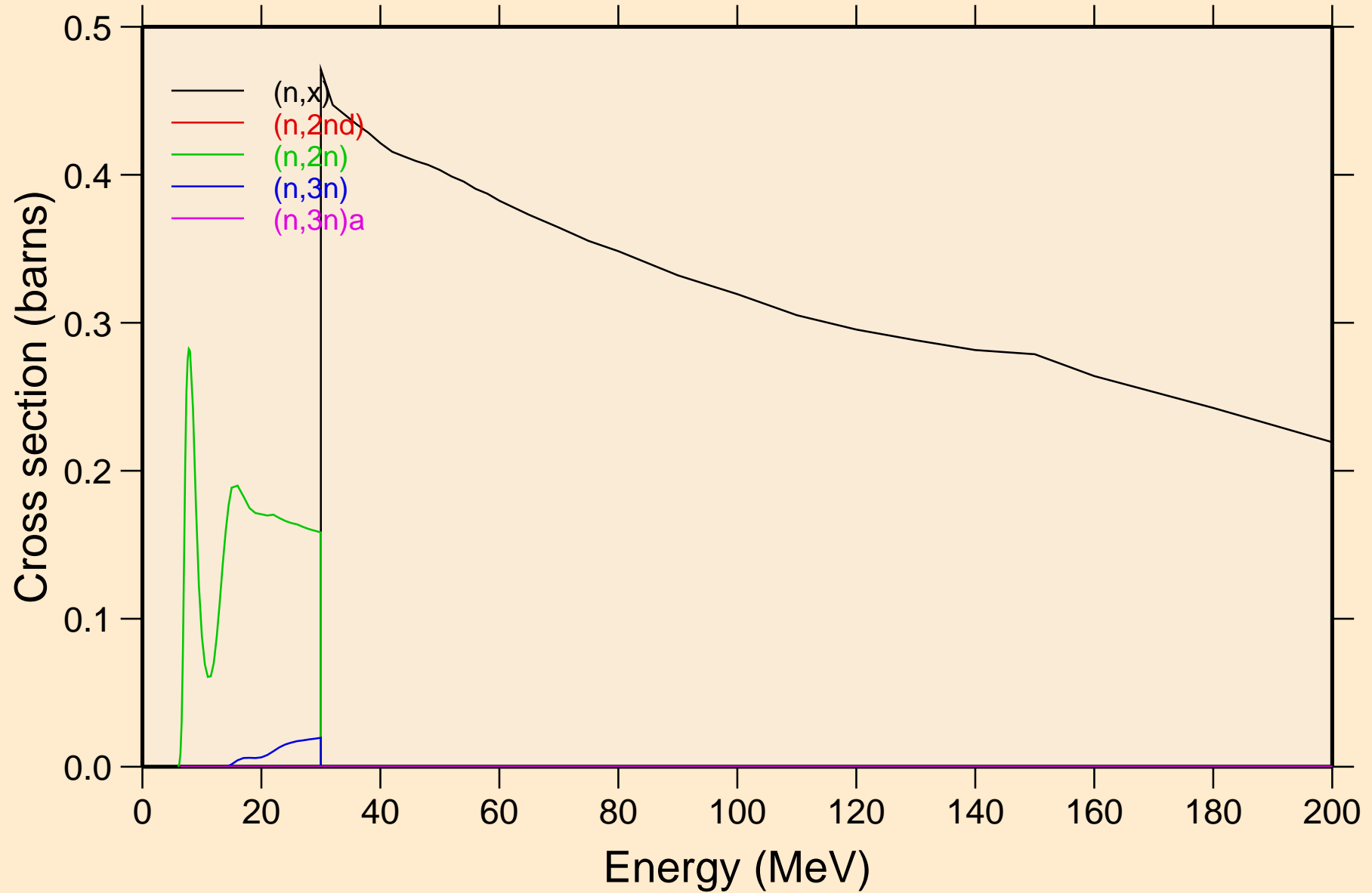
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



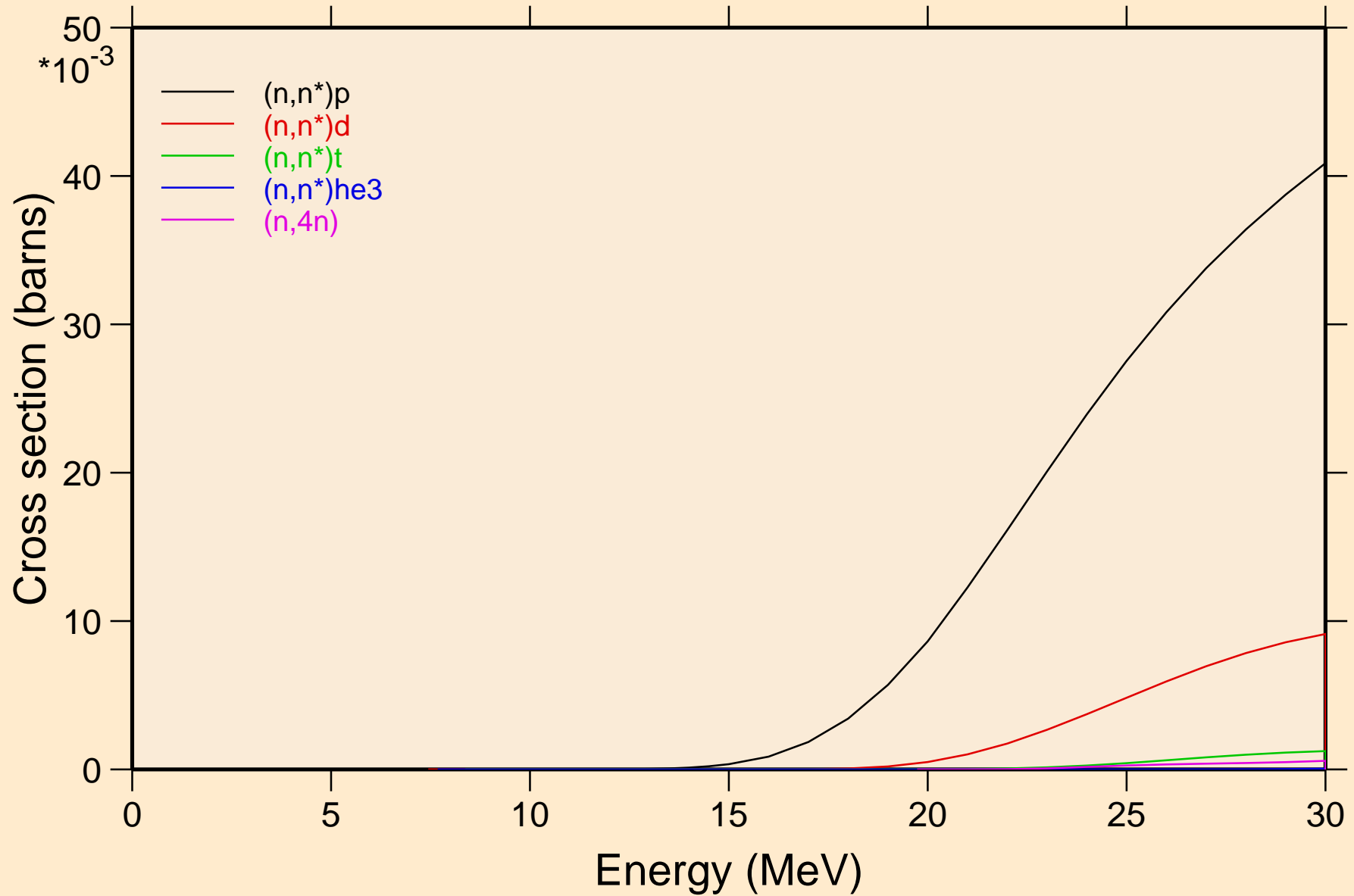
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



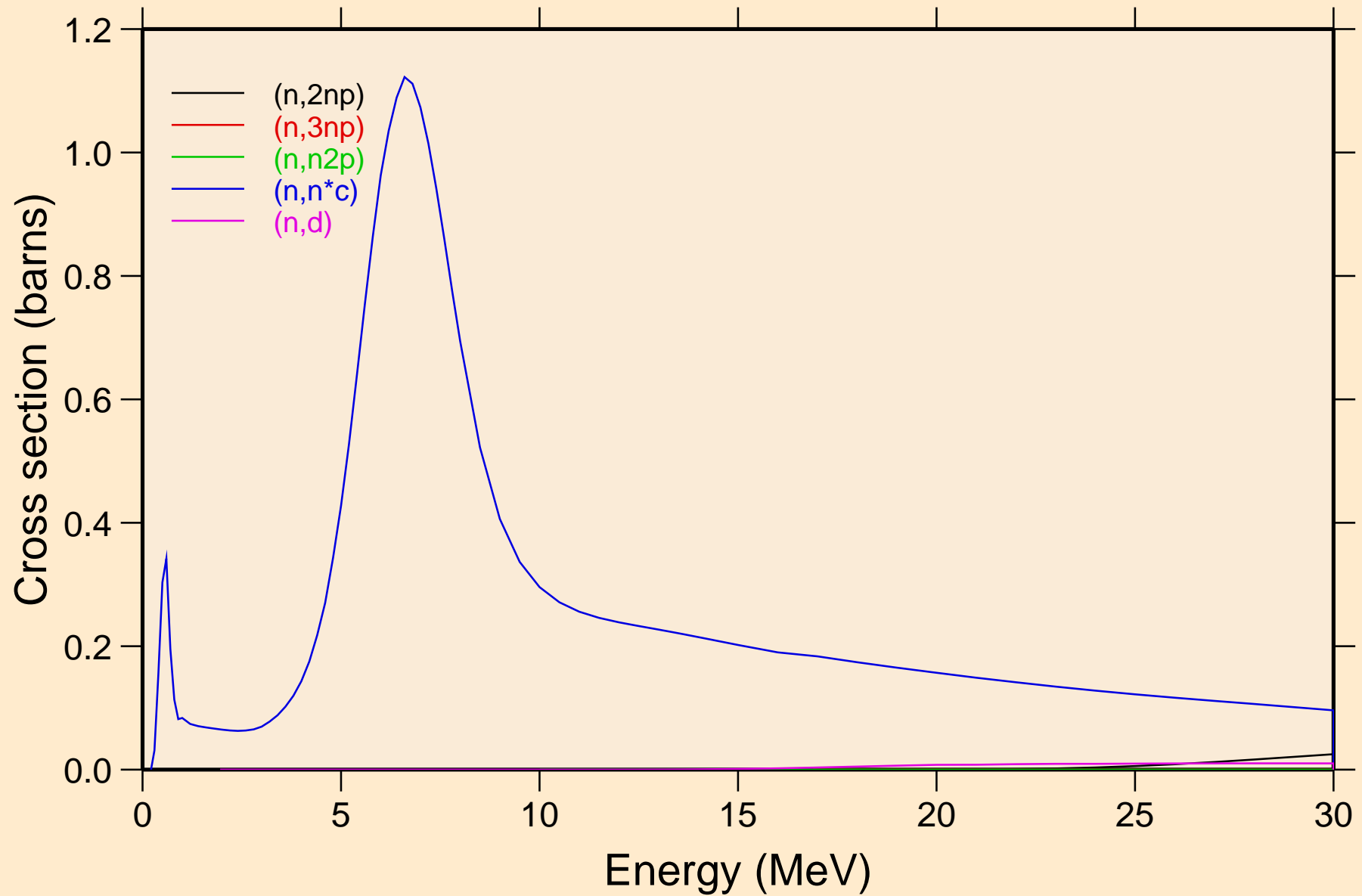
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



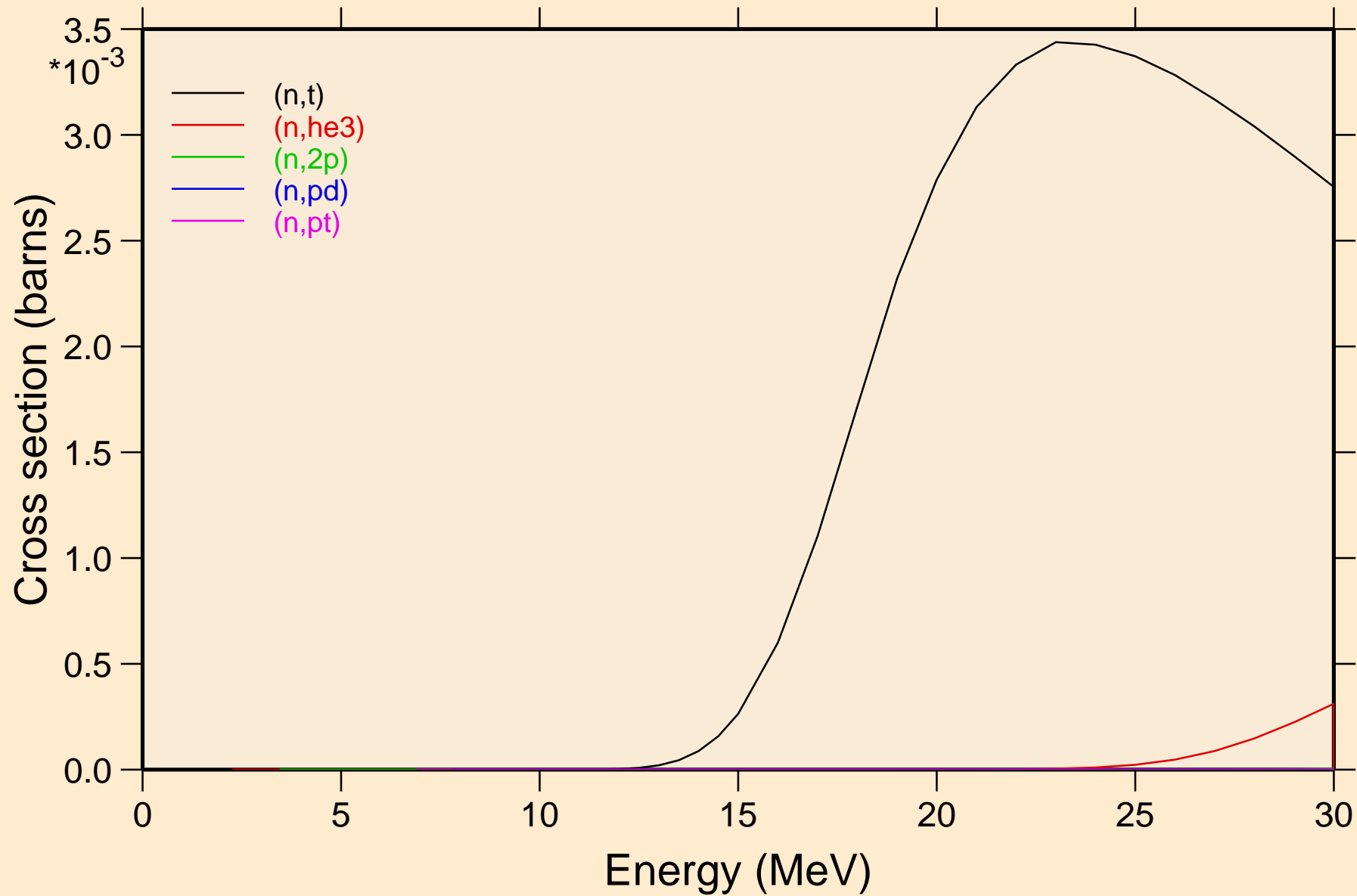
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



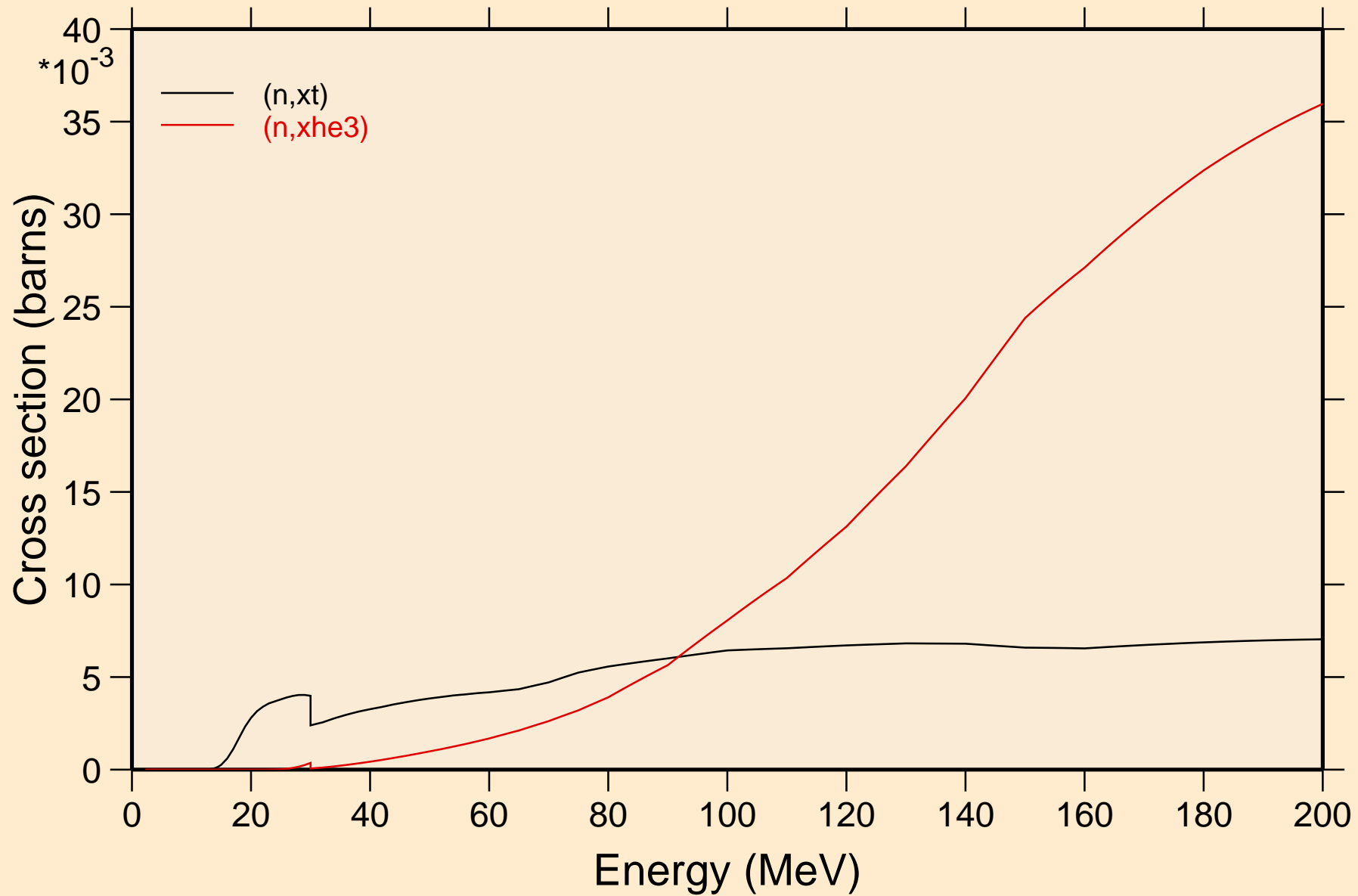
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



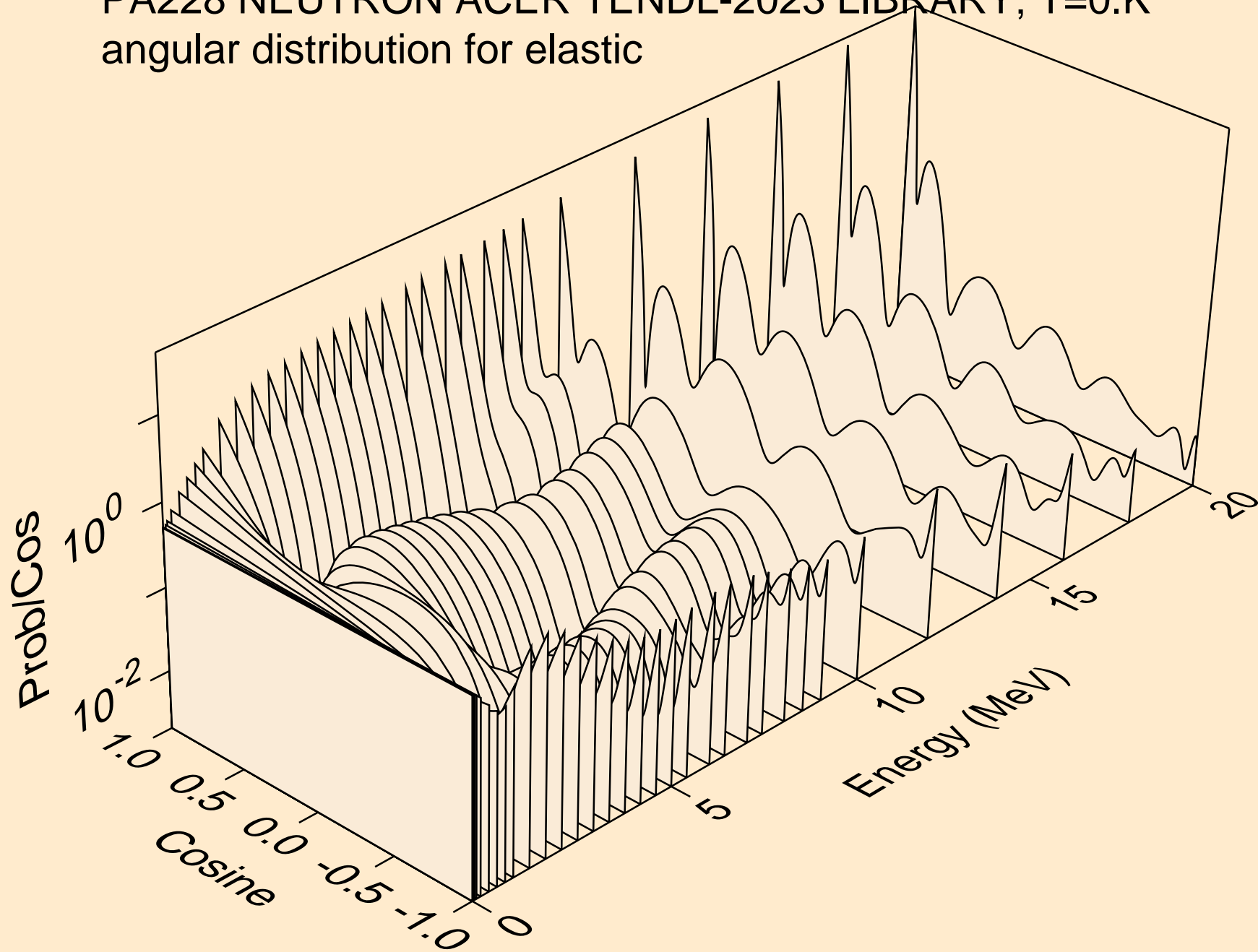
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

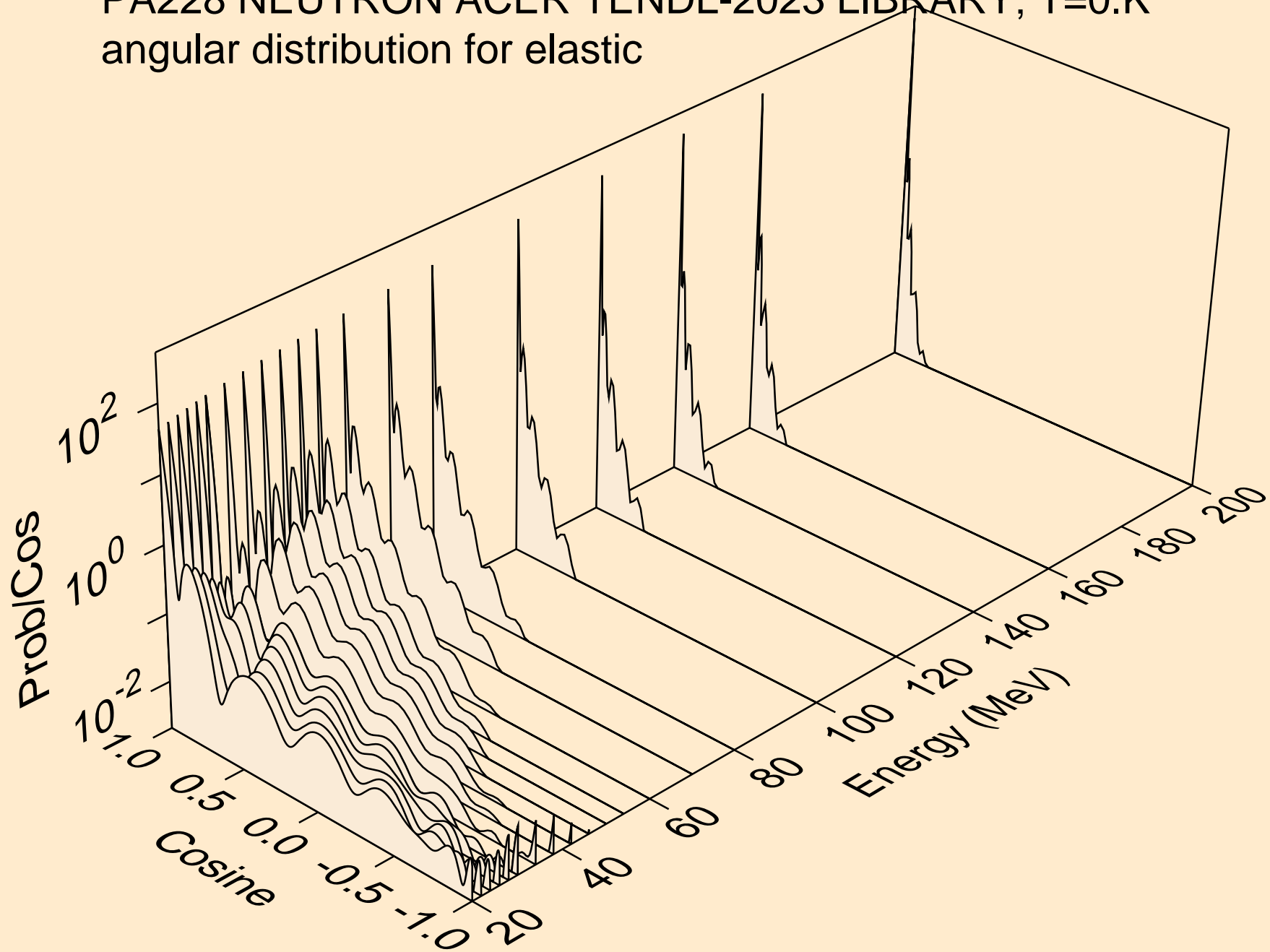


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

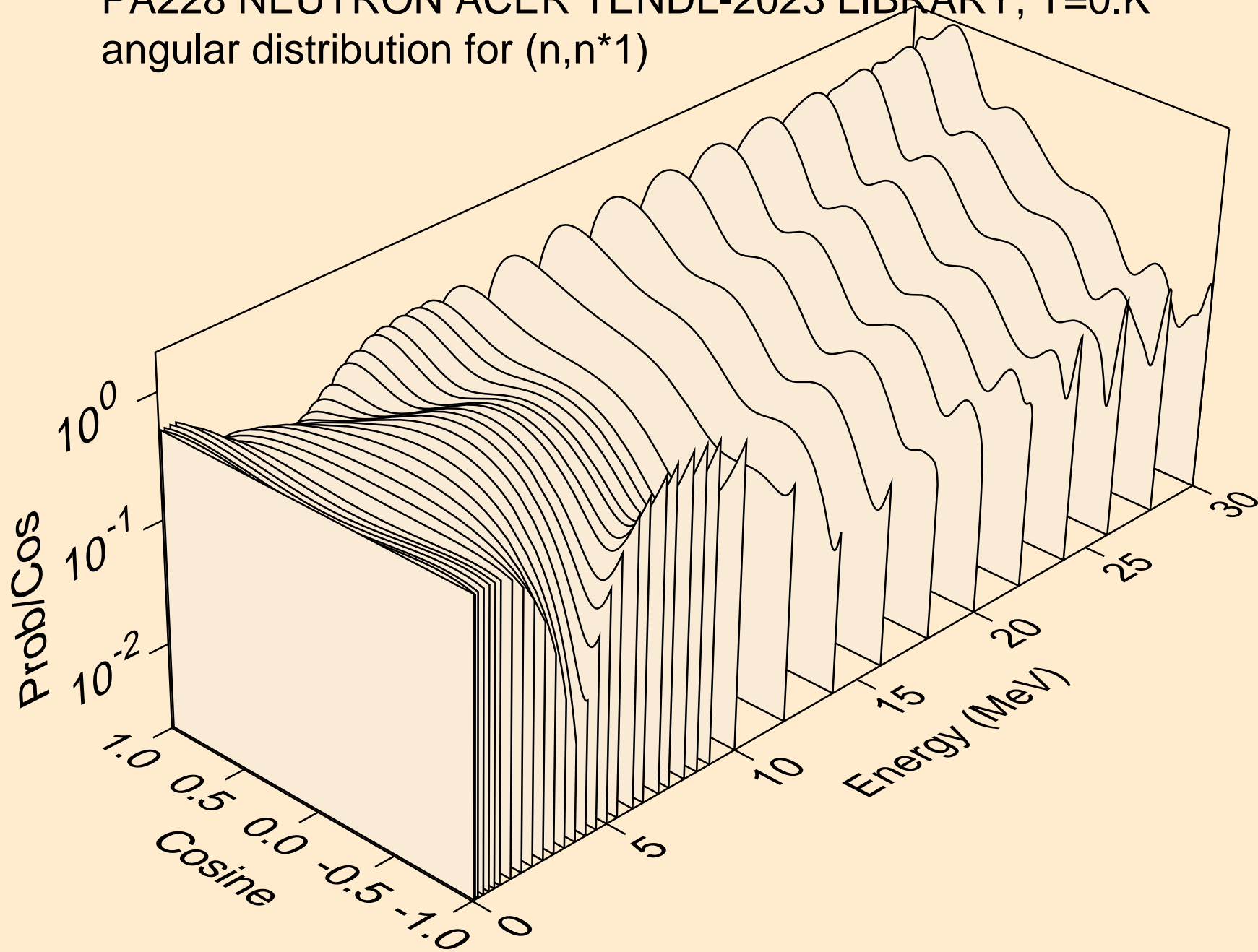




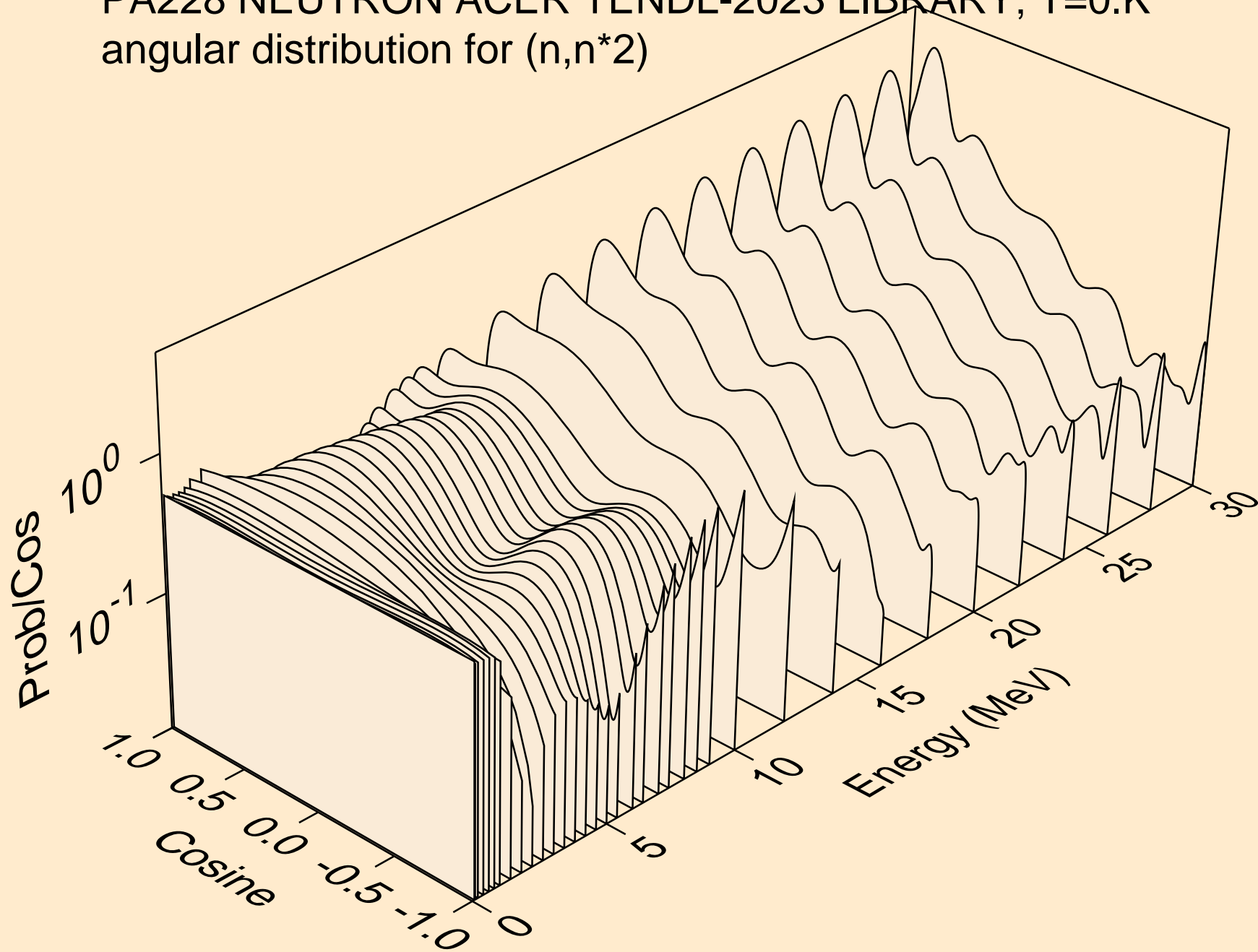
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



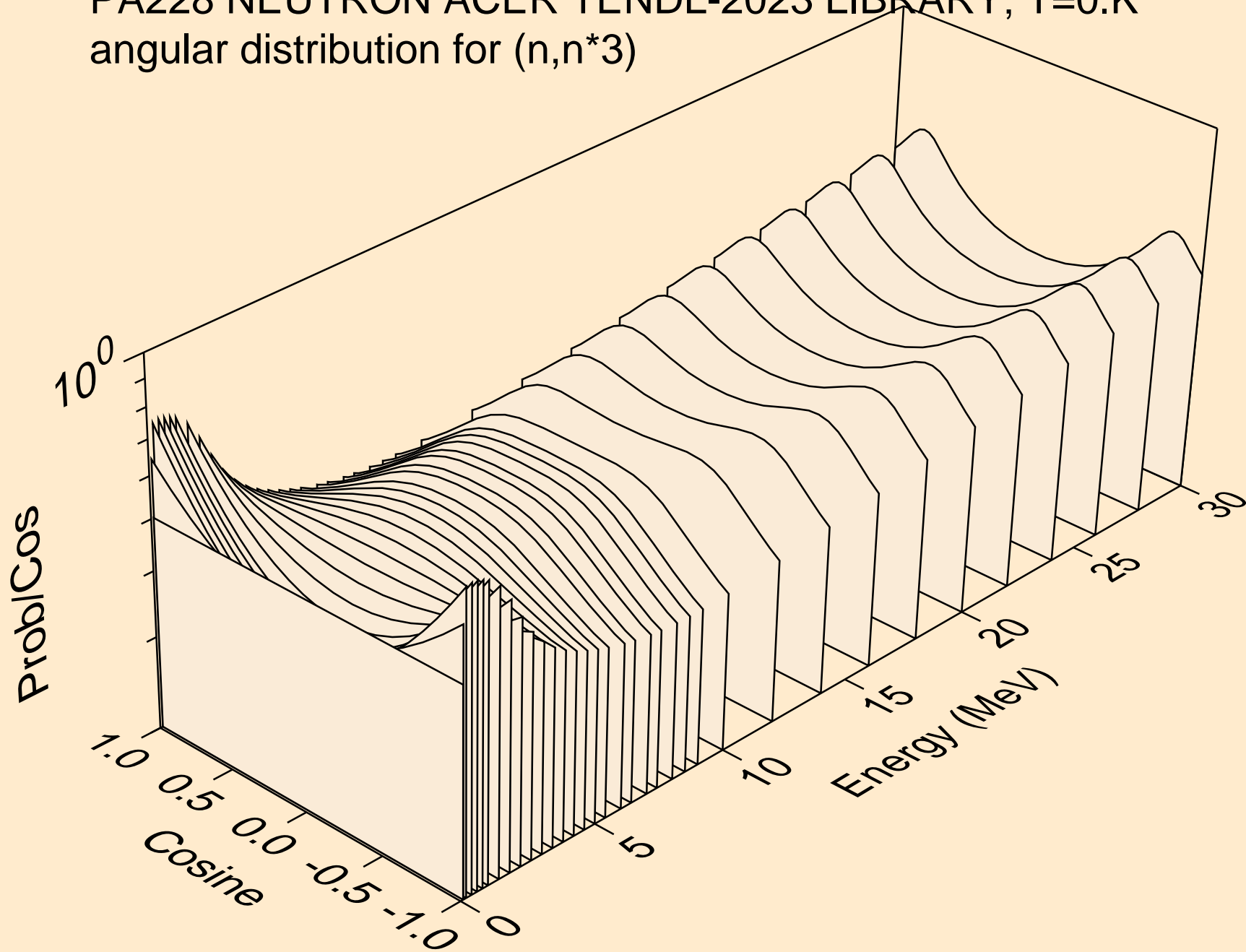
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



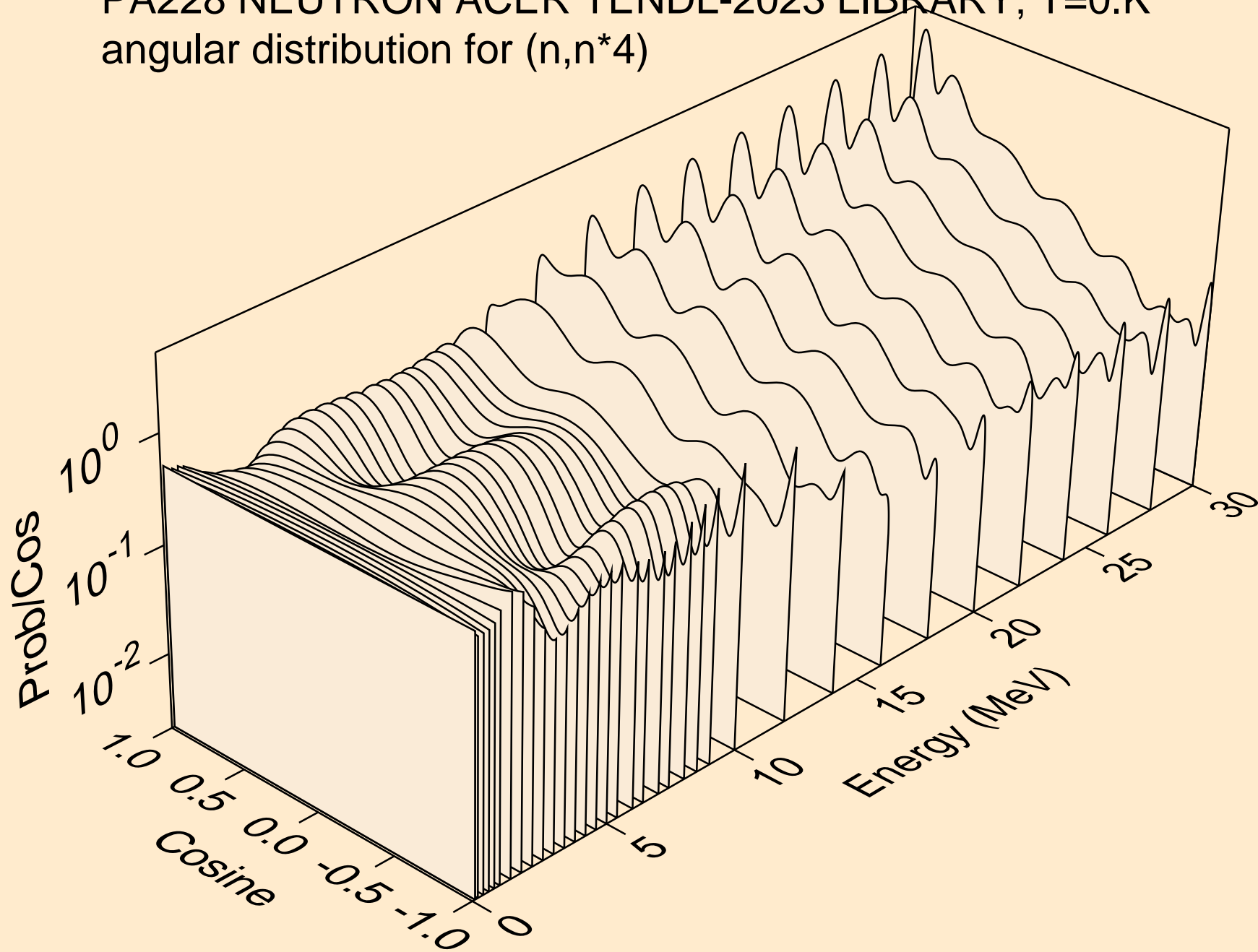
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



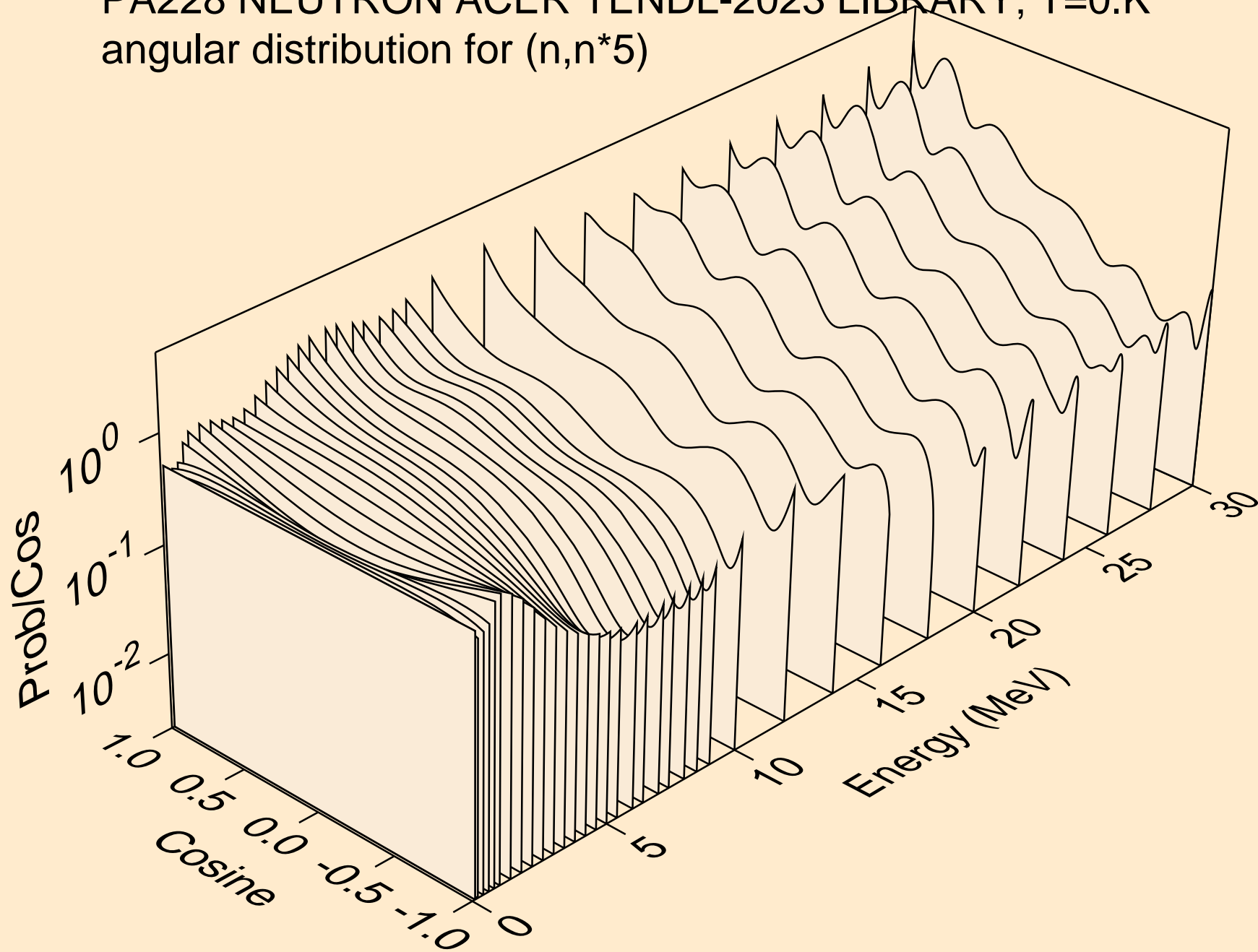
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



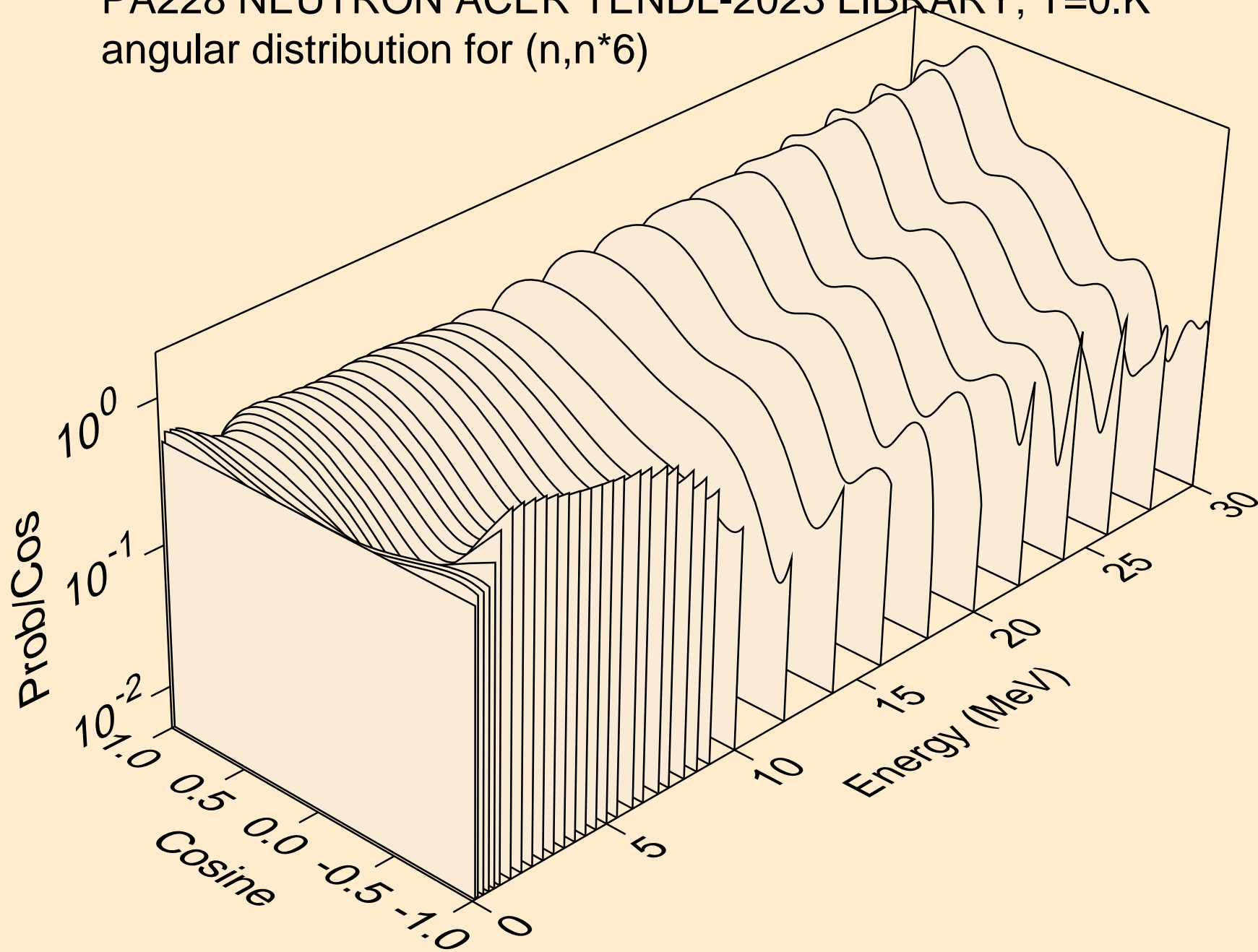
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



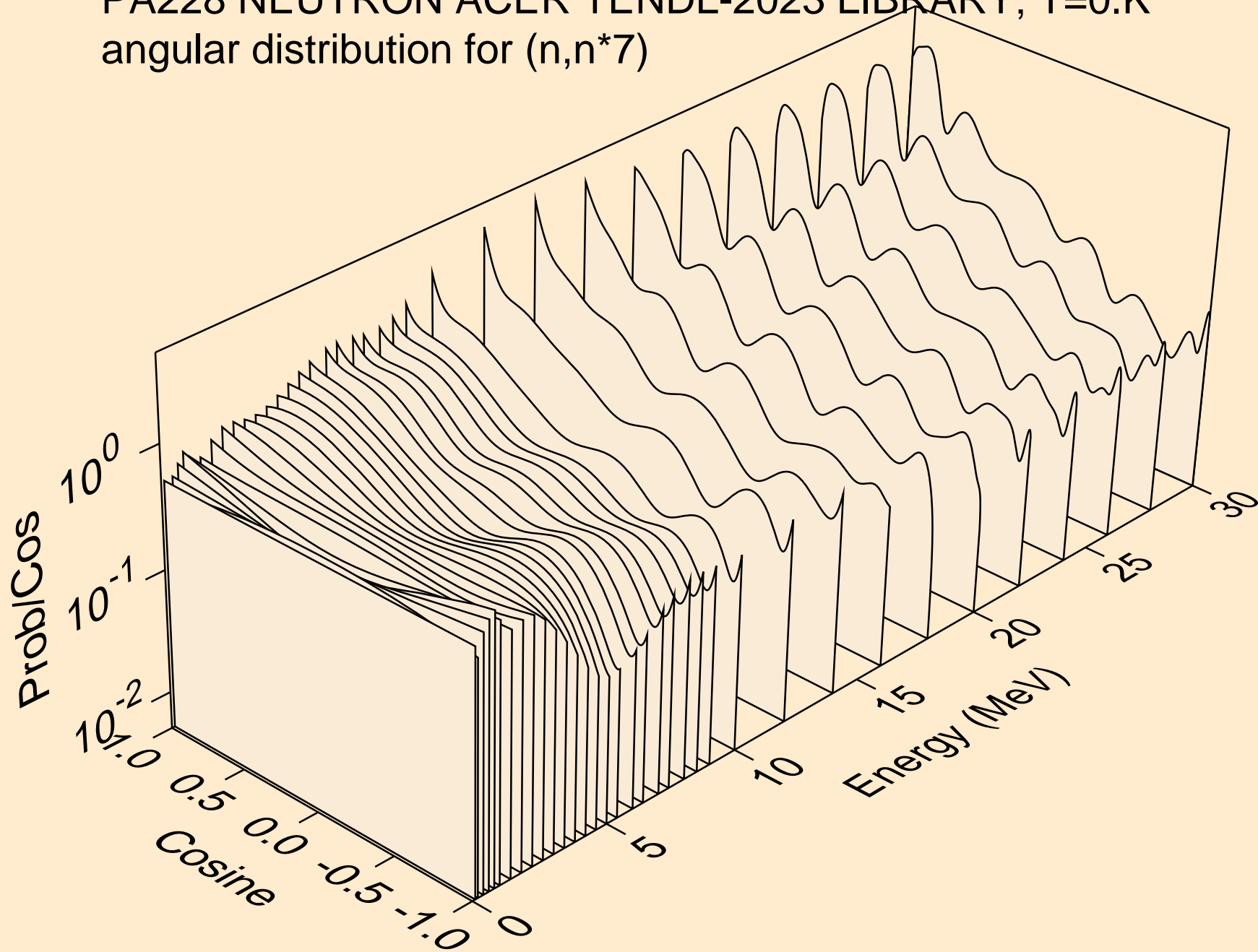
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

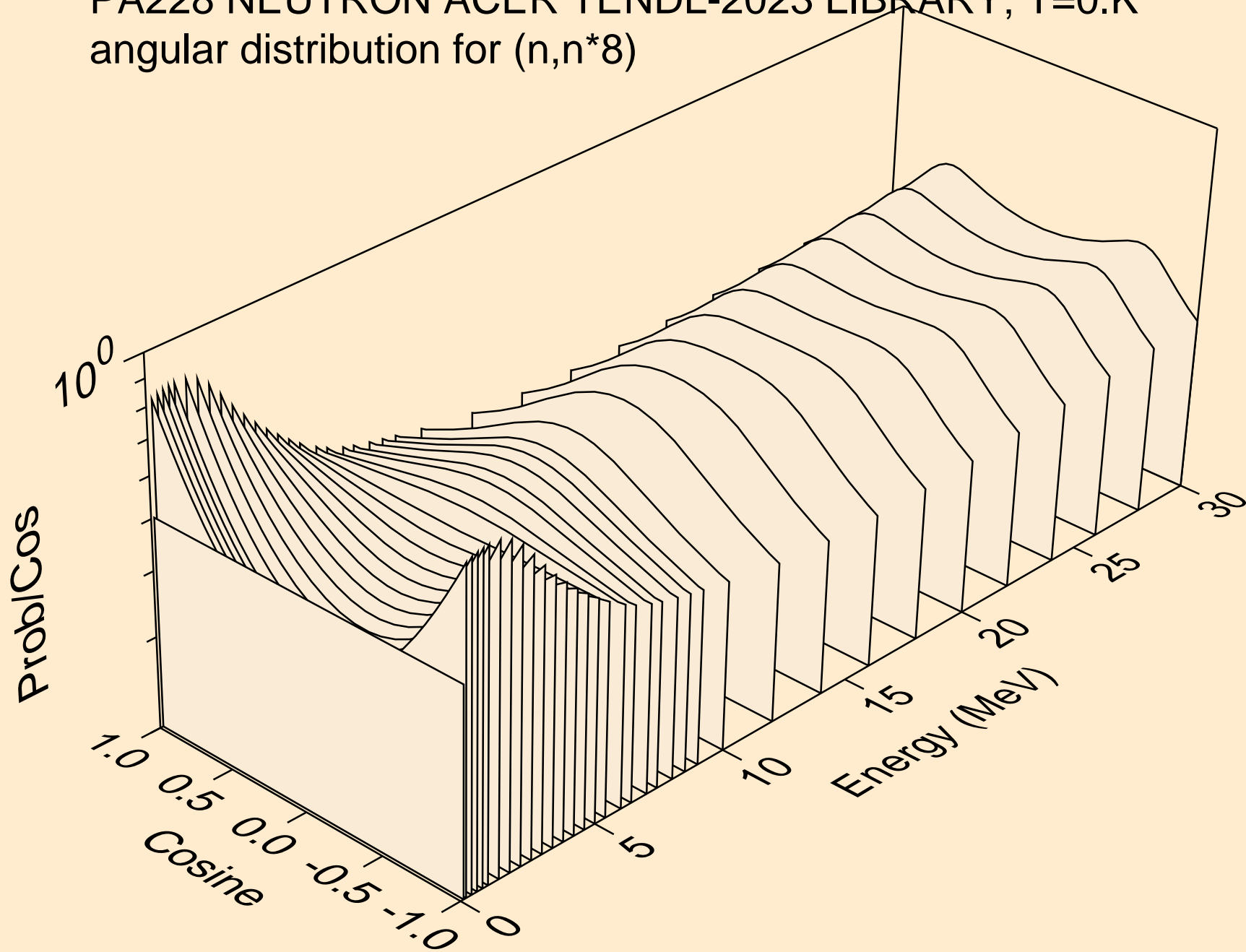


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

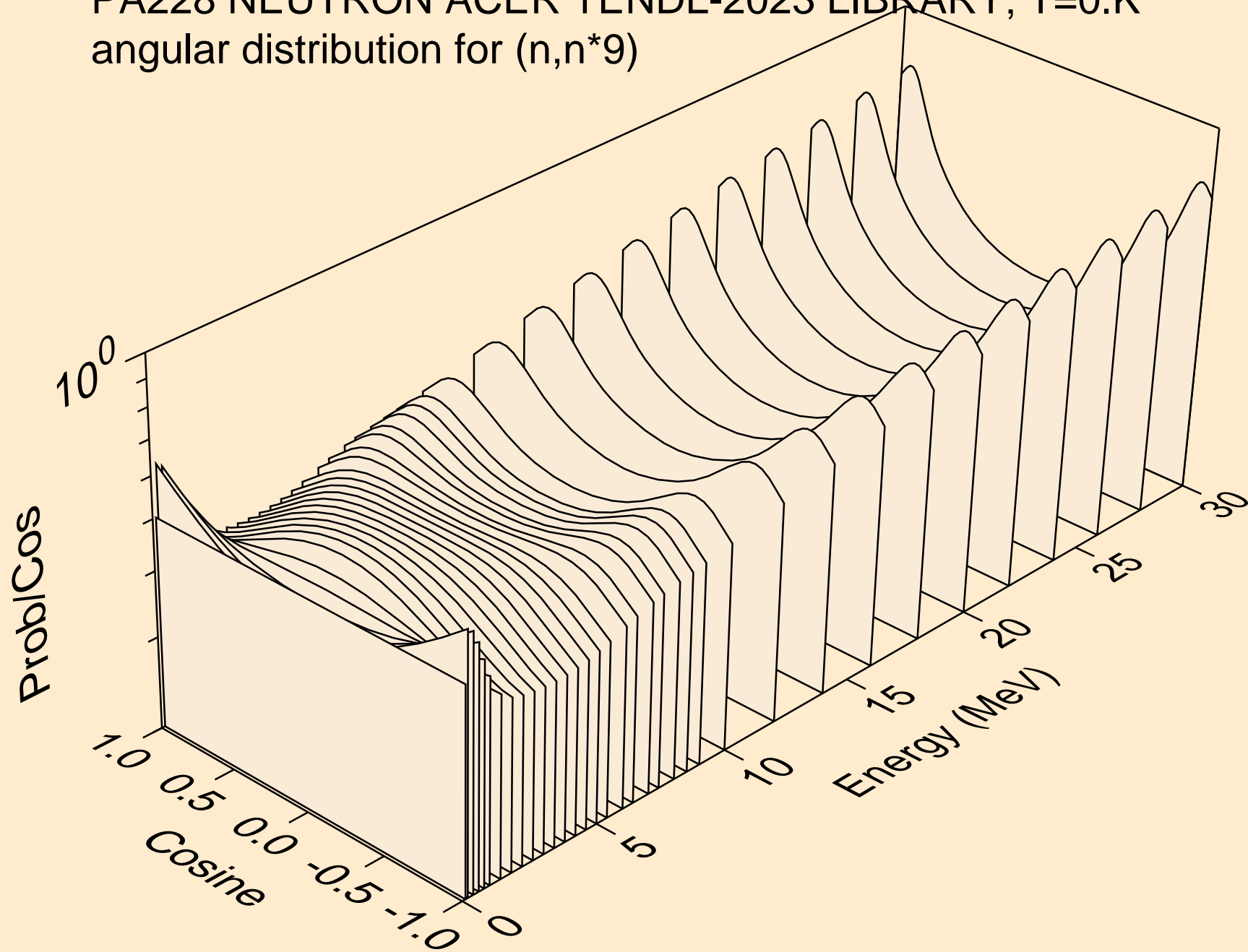




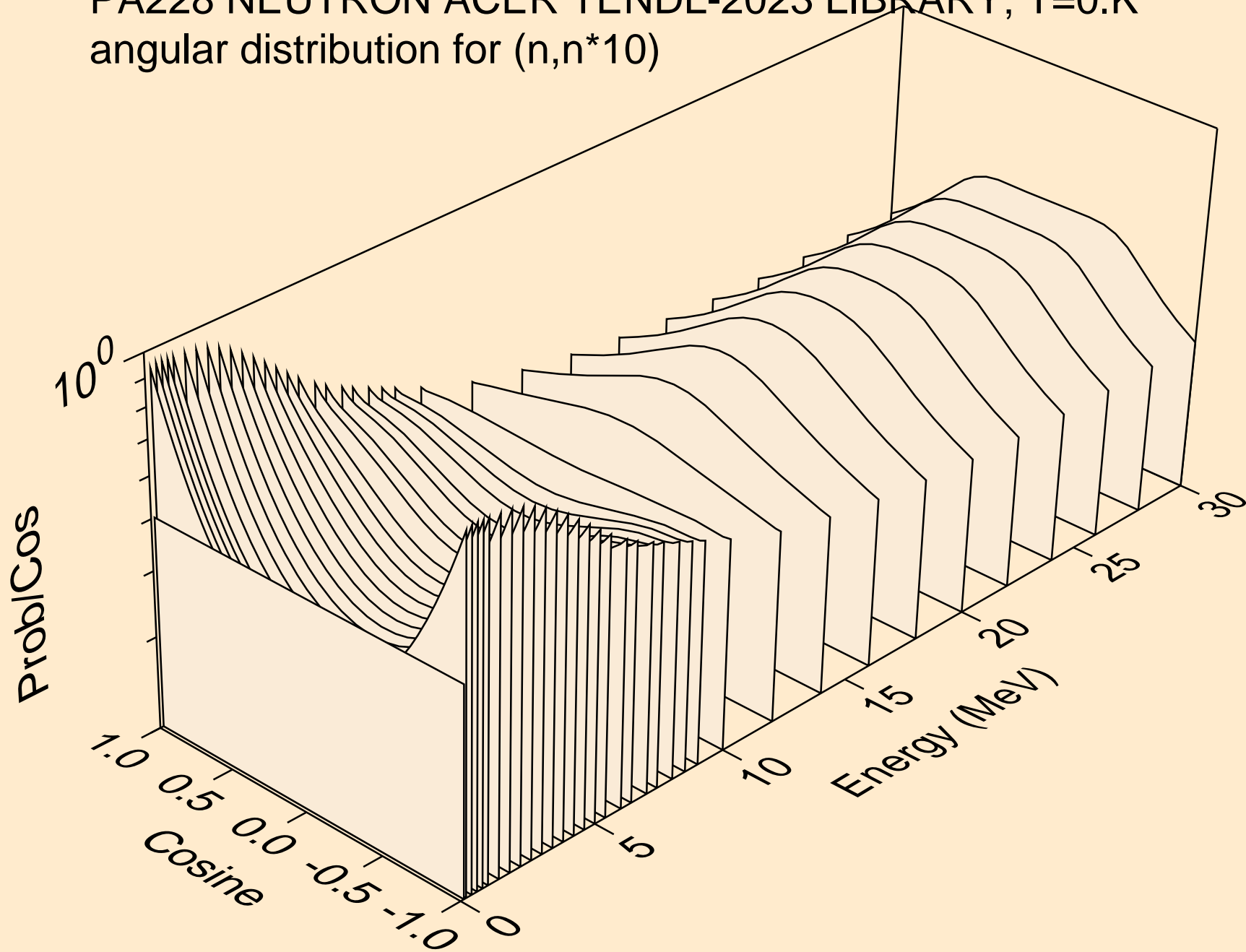
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



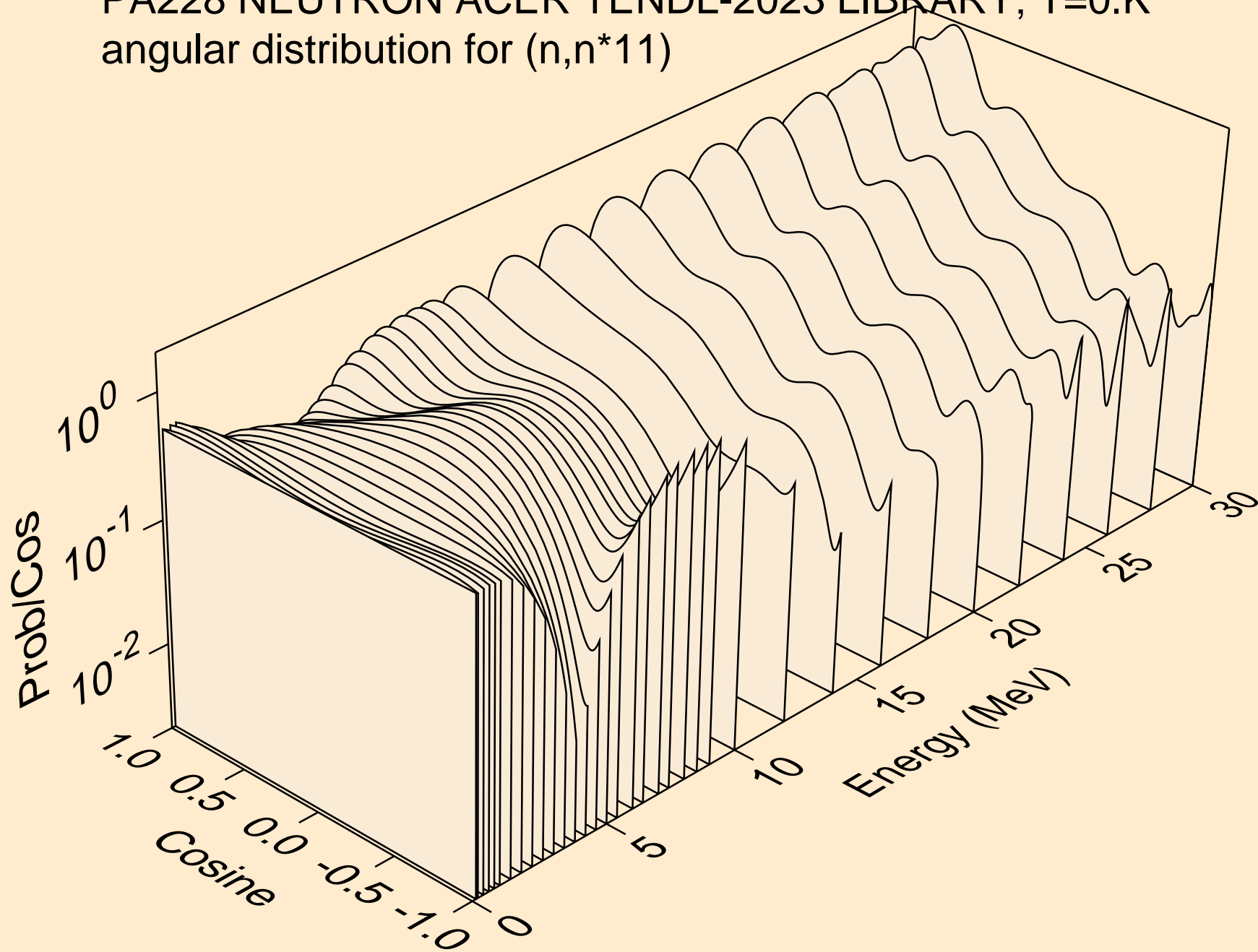
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angular distribution for (n,n\*9)



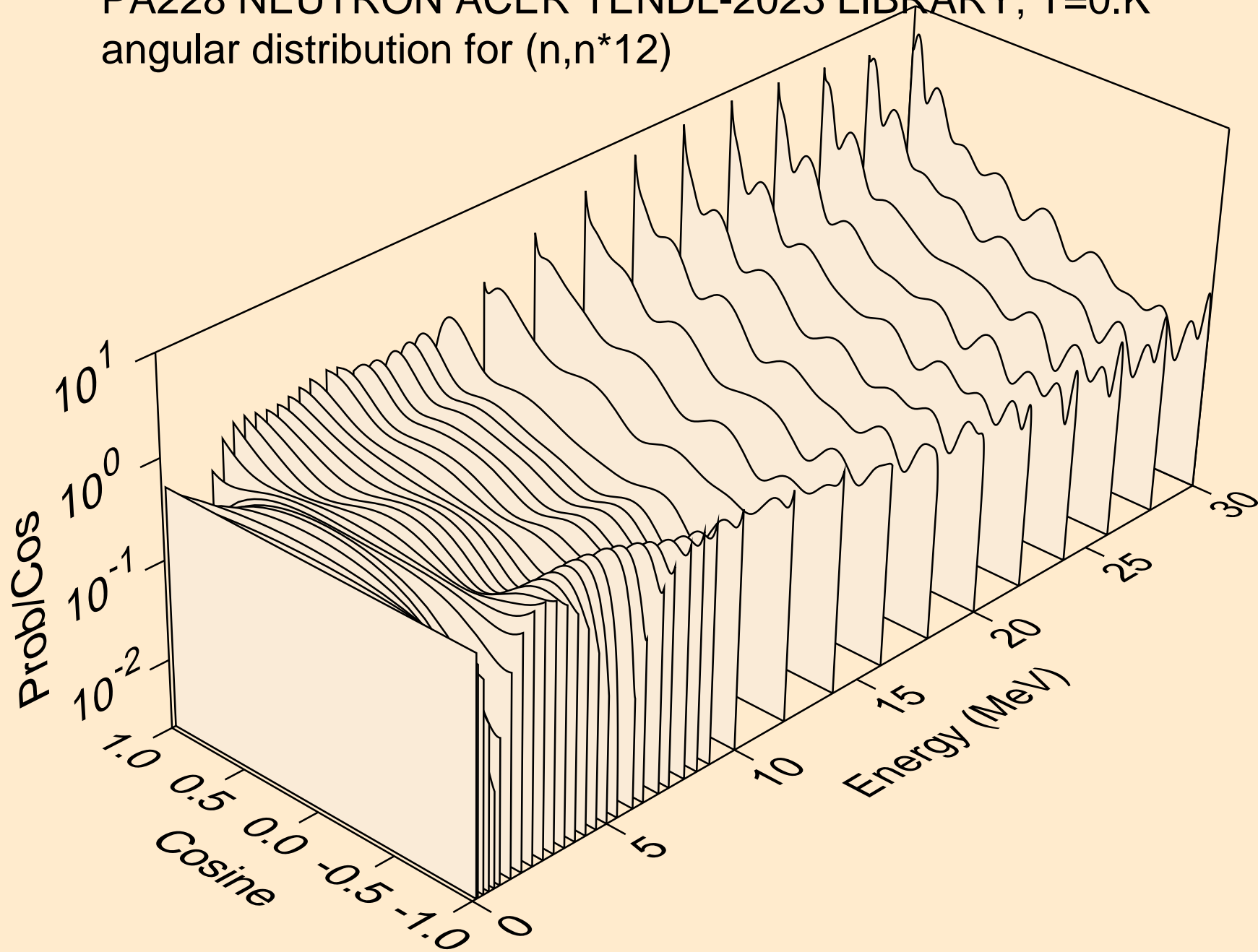
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angular distribution for (n,n\*10)



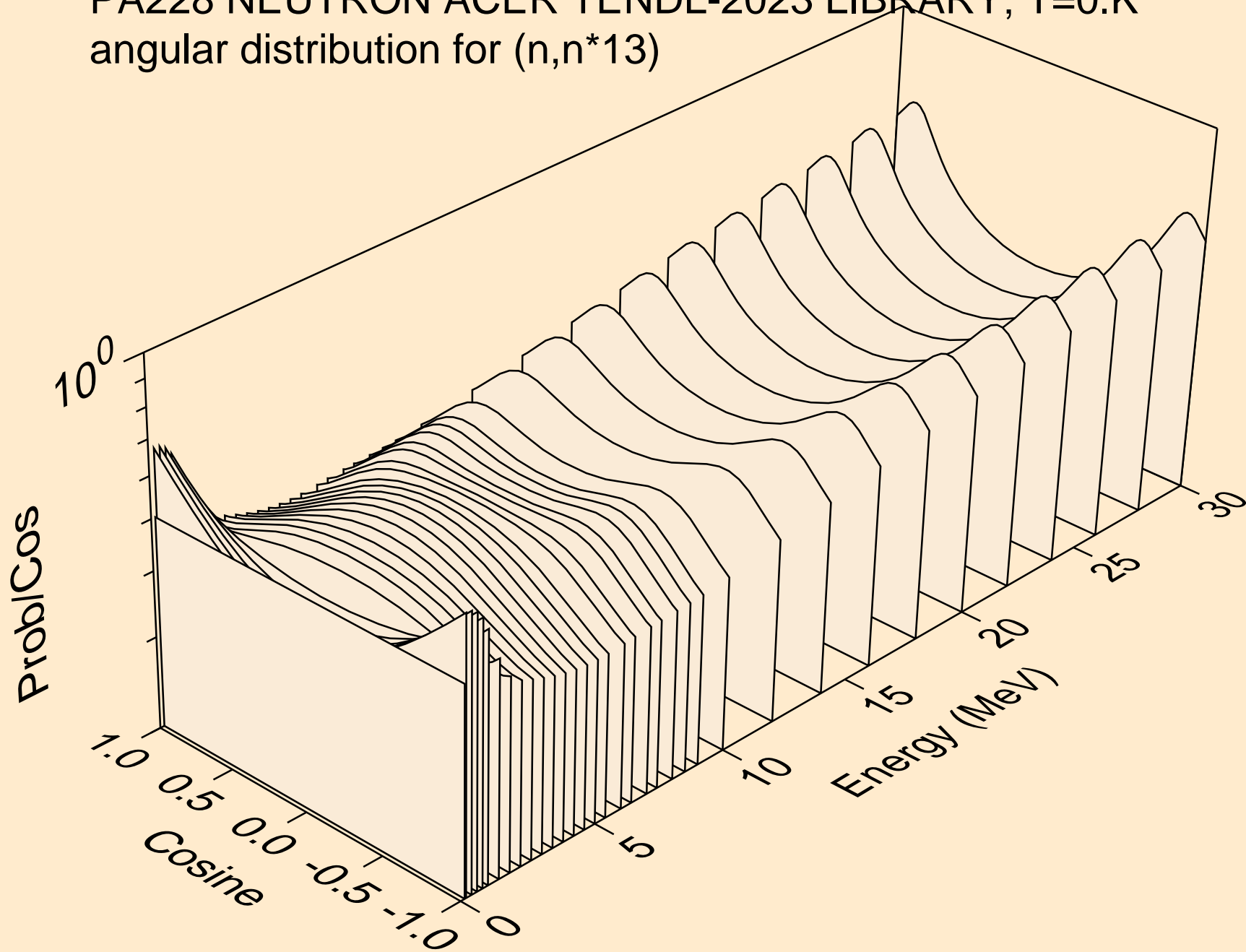
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angular distribution for (n,n\*11)



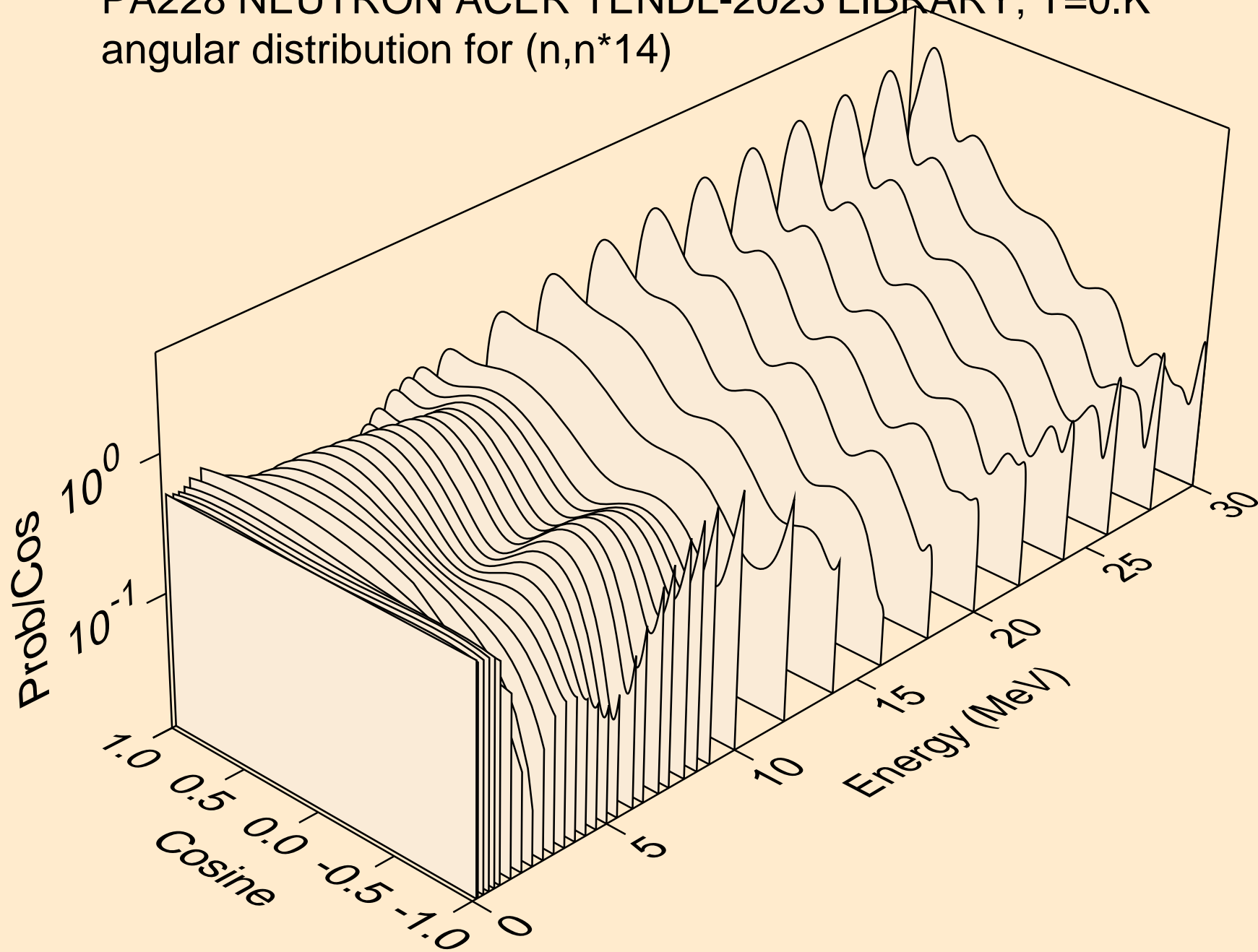
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angular distribution for (n,n\*12)



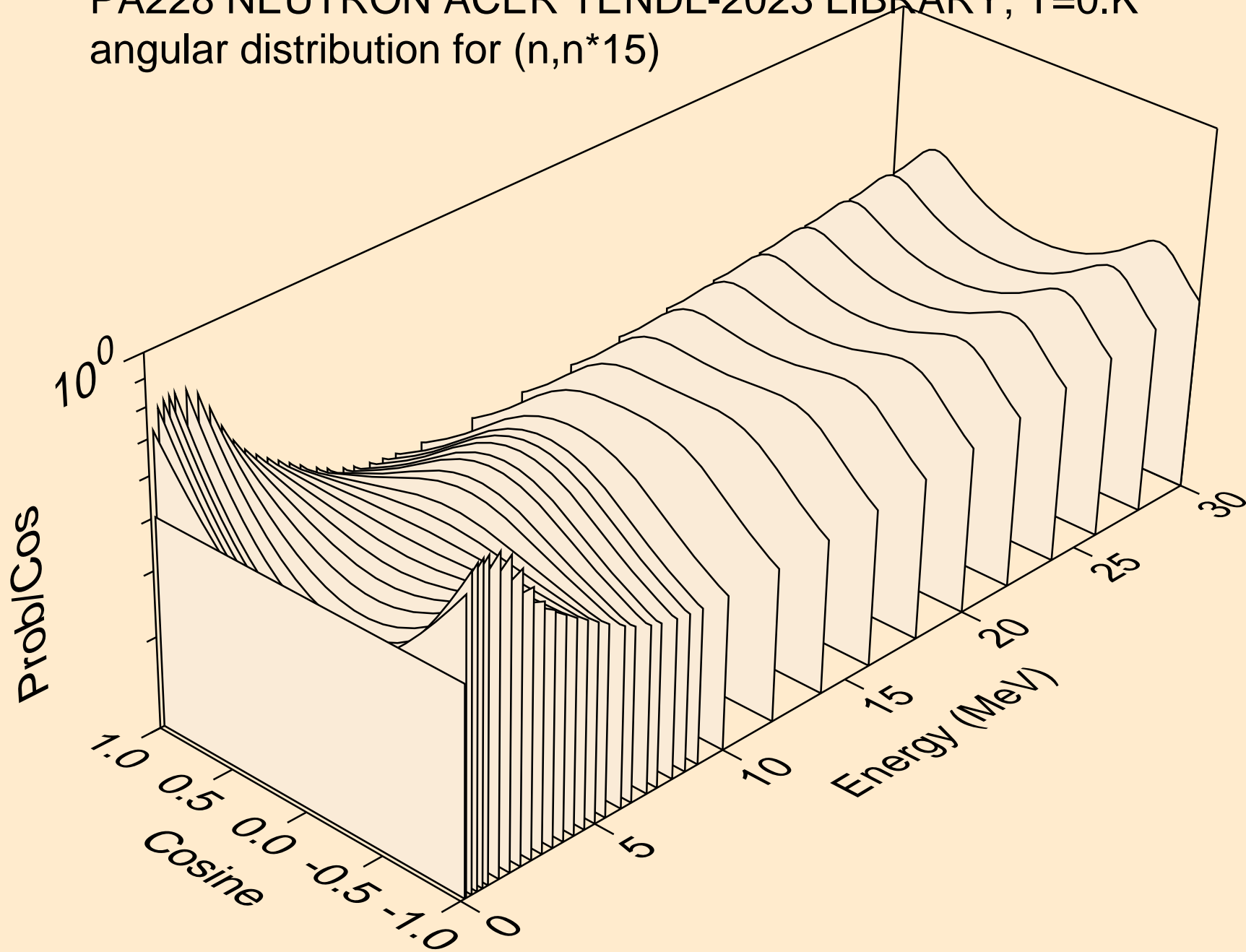
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

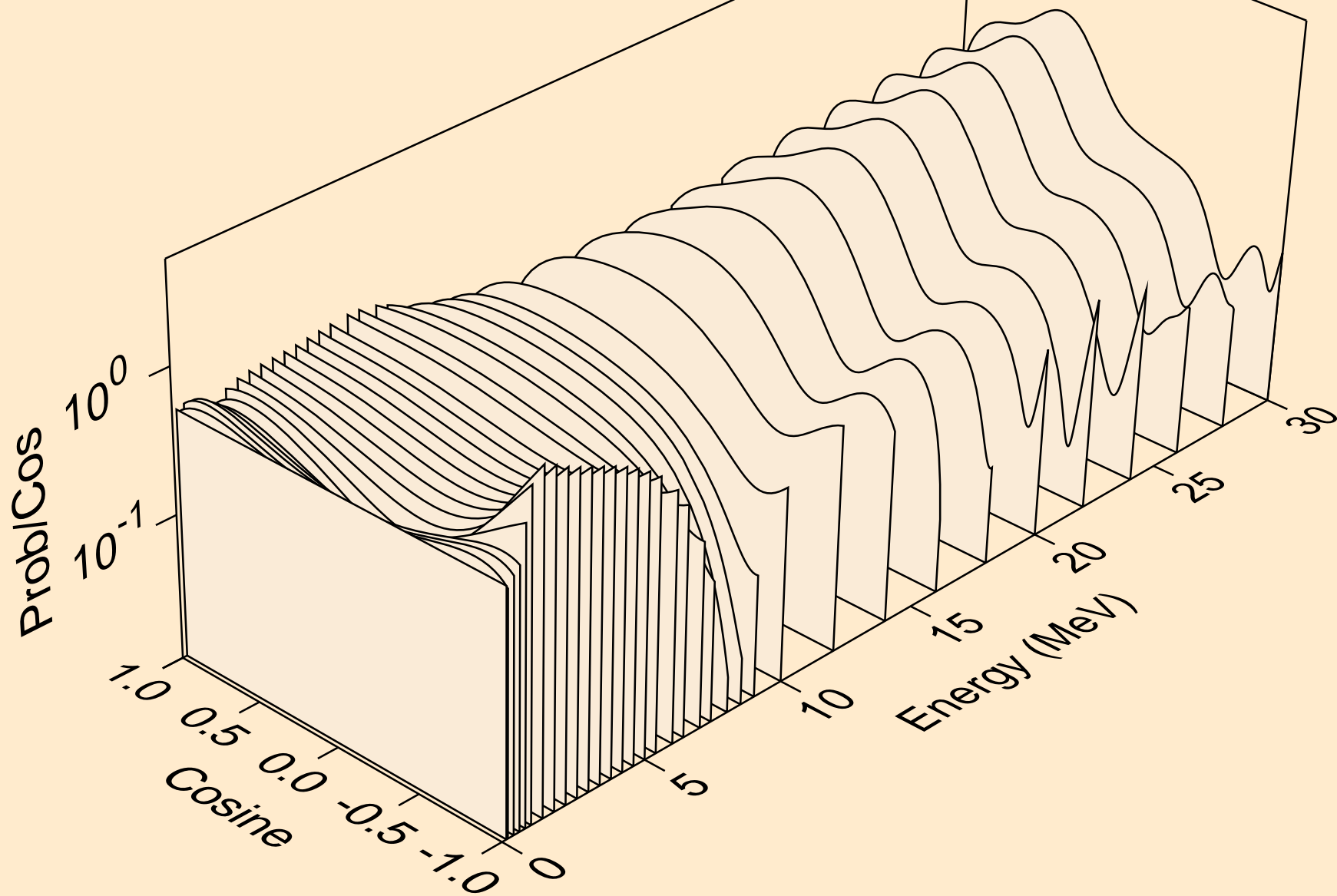


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

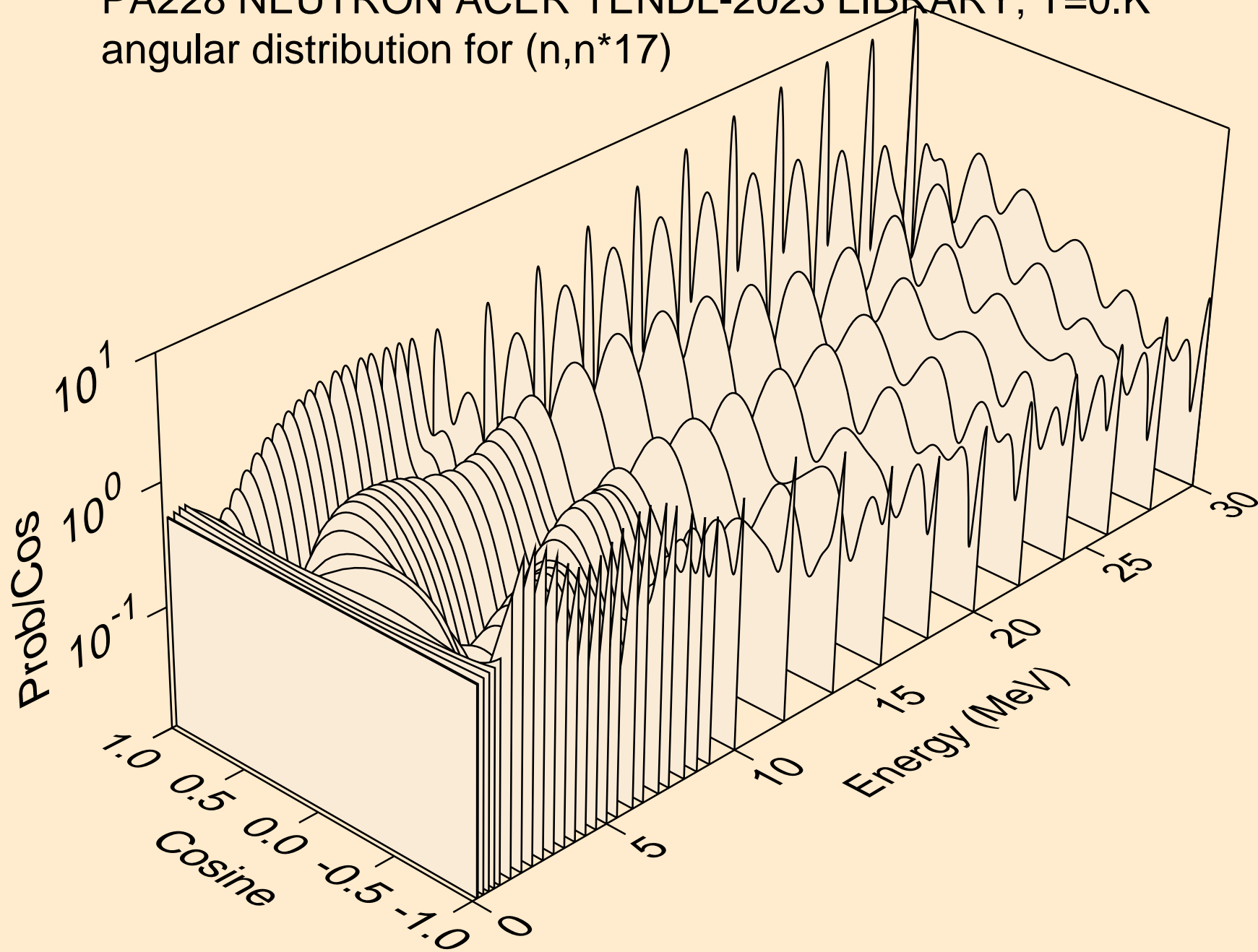




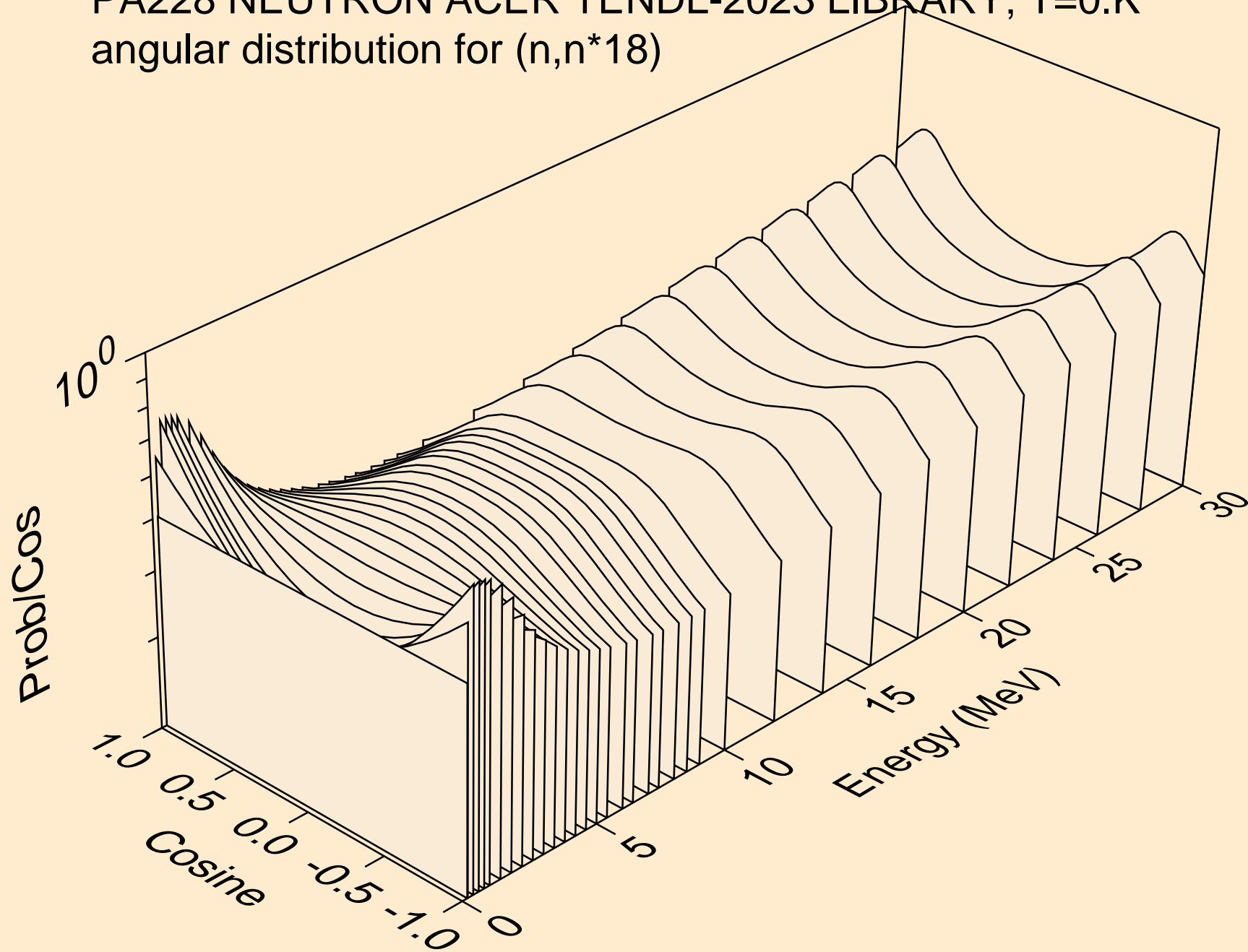
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



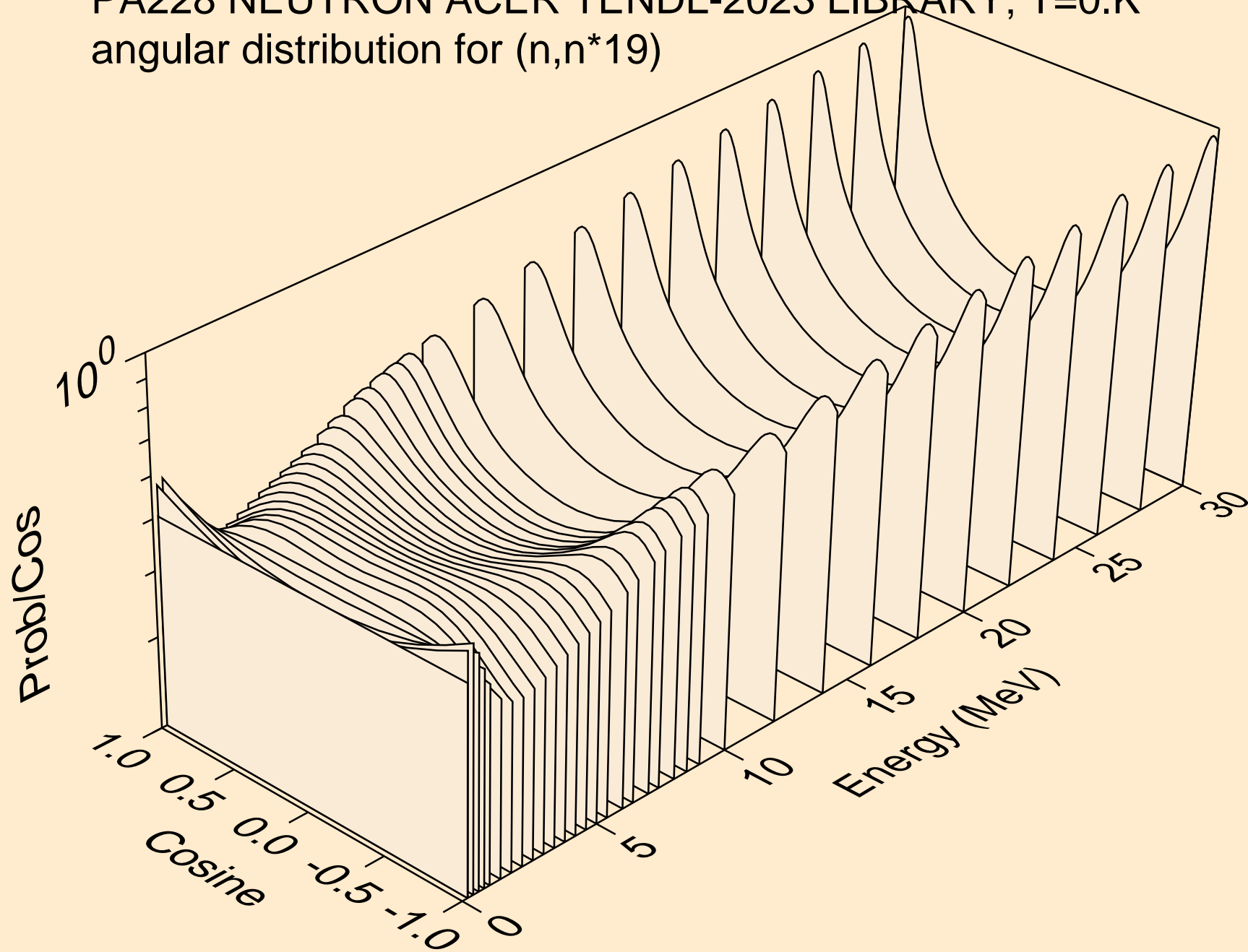
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



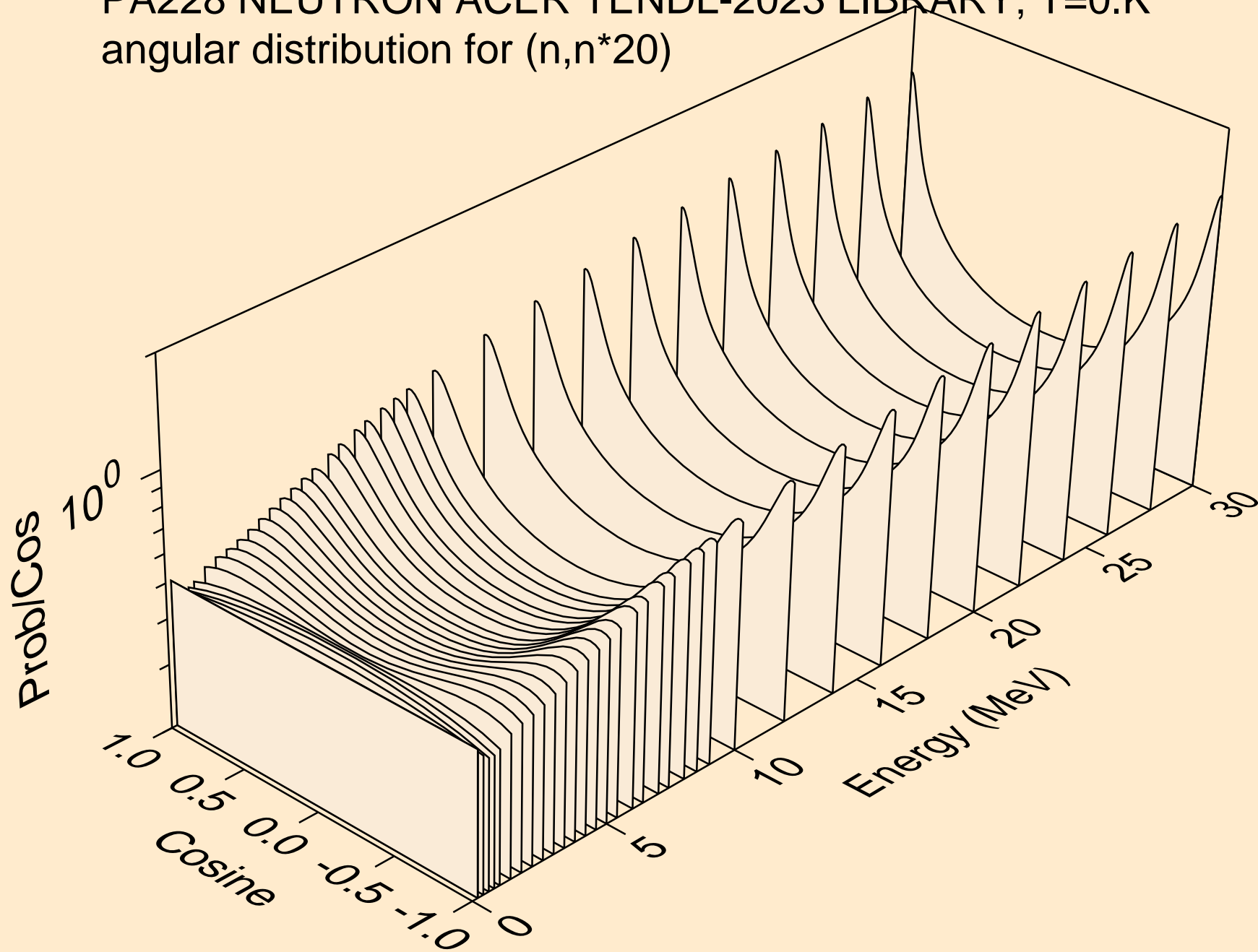
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angular distribution for (n,n\*18)



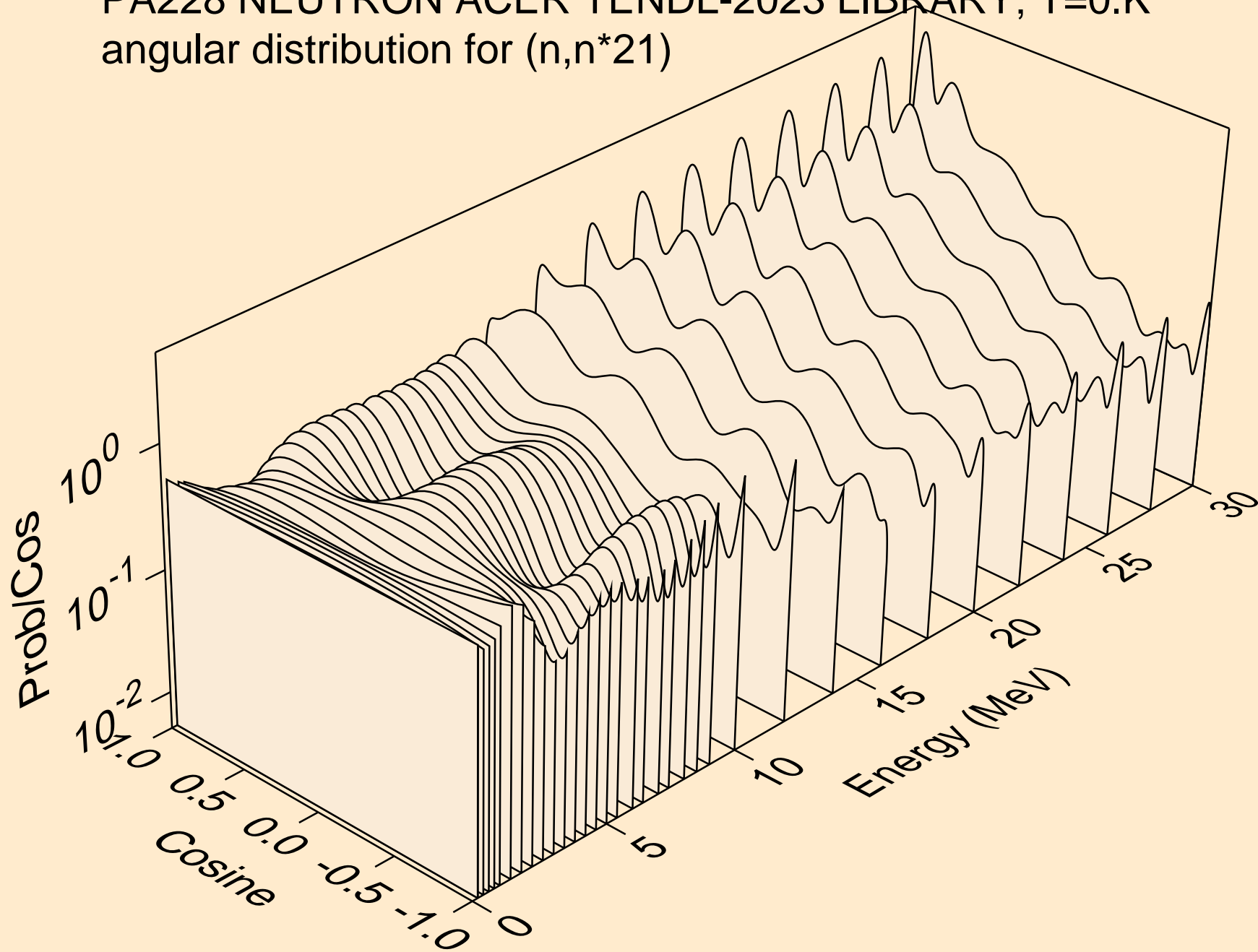
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angular distribution for (n,n\*19)



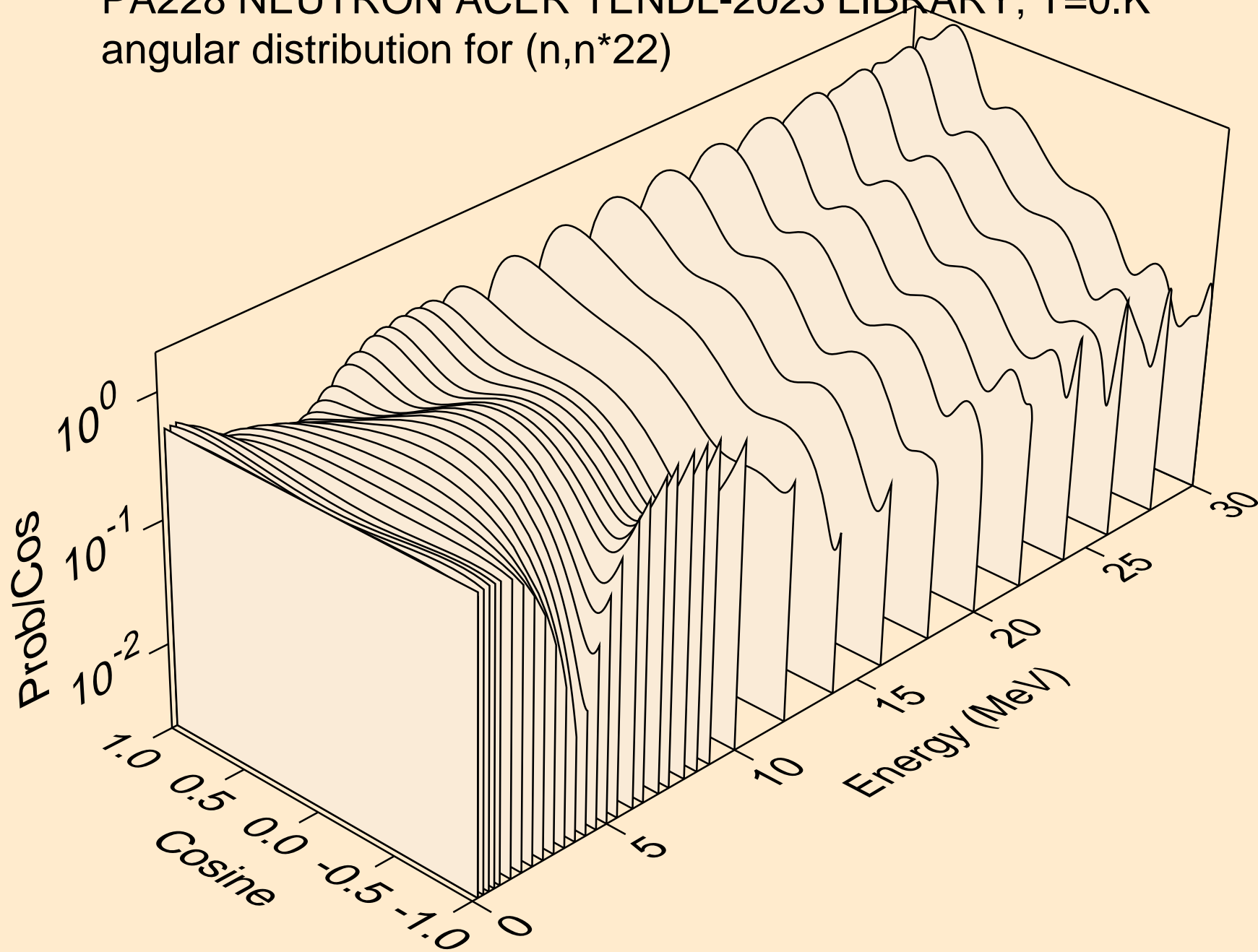
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angular distribution for (n,n\*20)



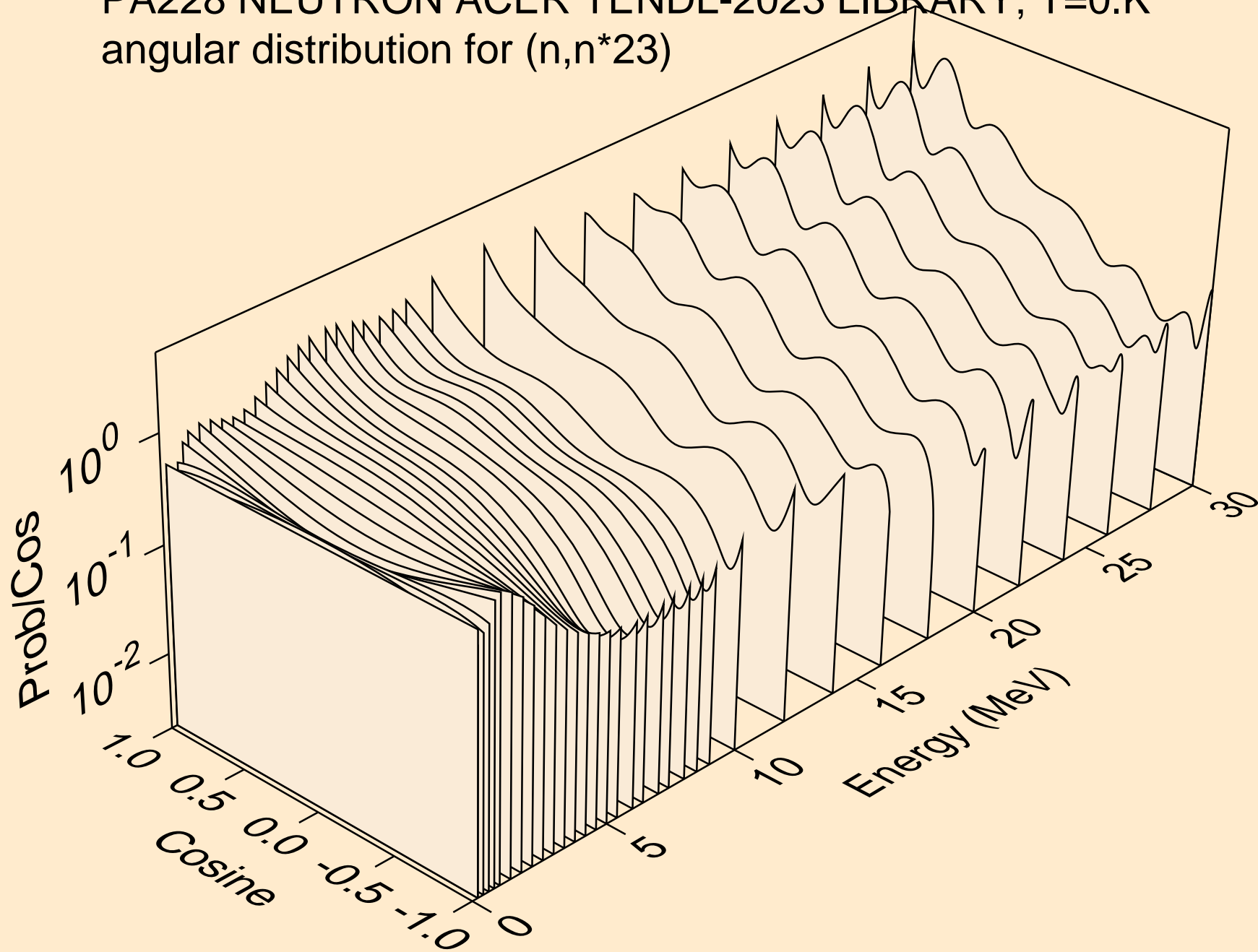
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

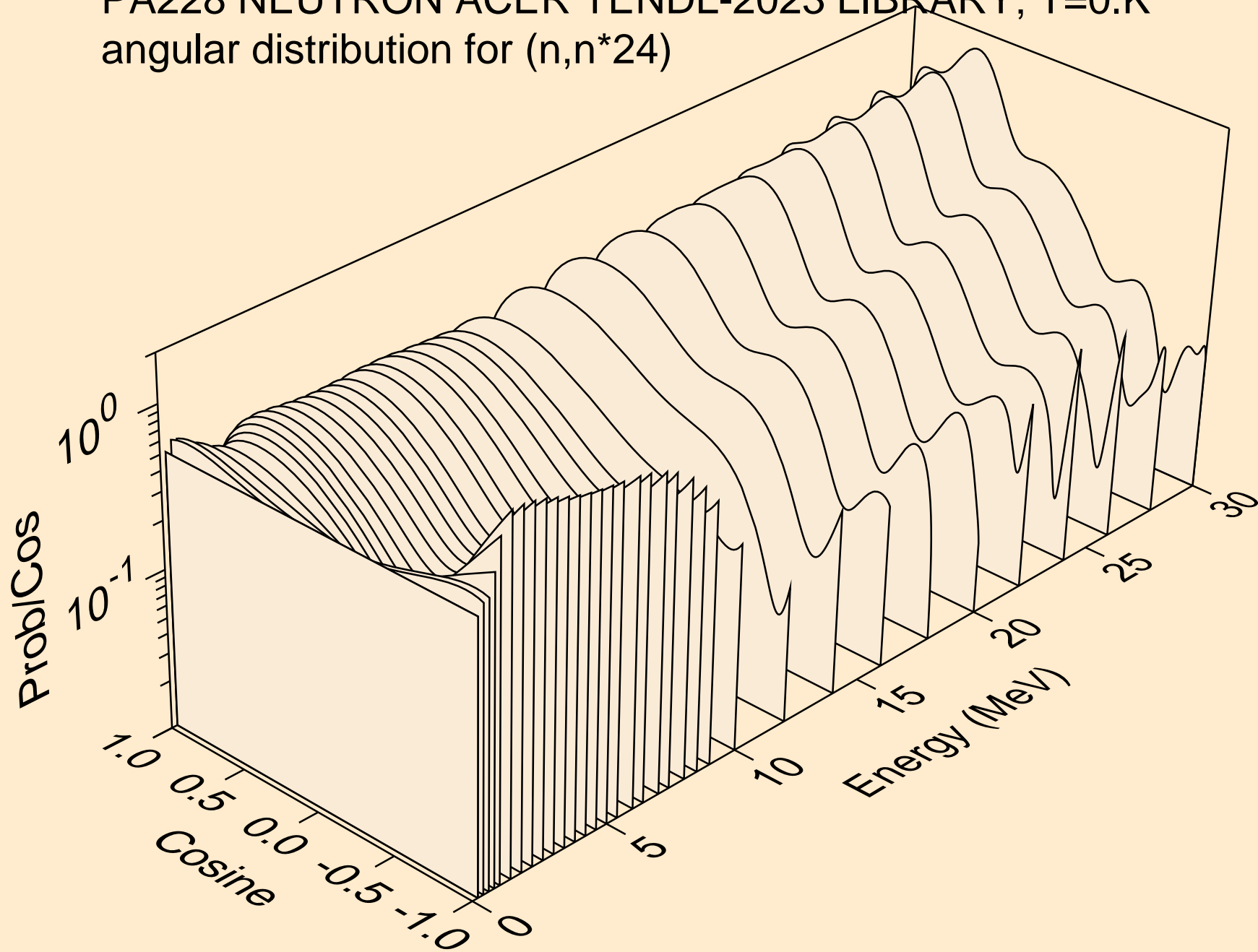


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

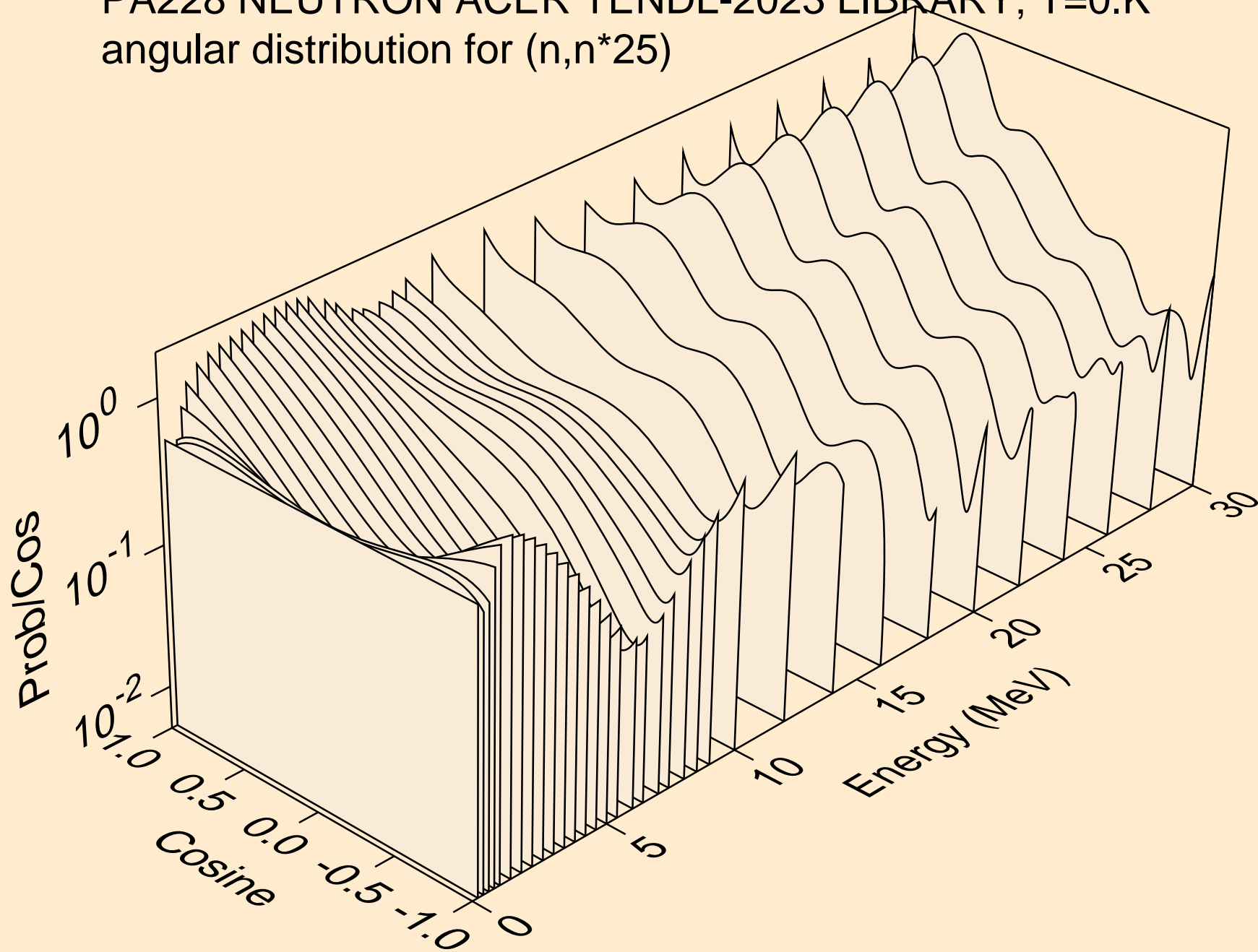




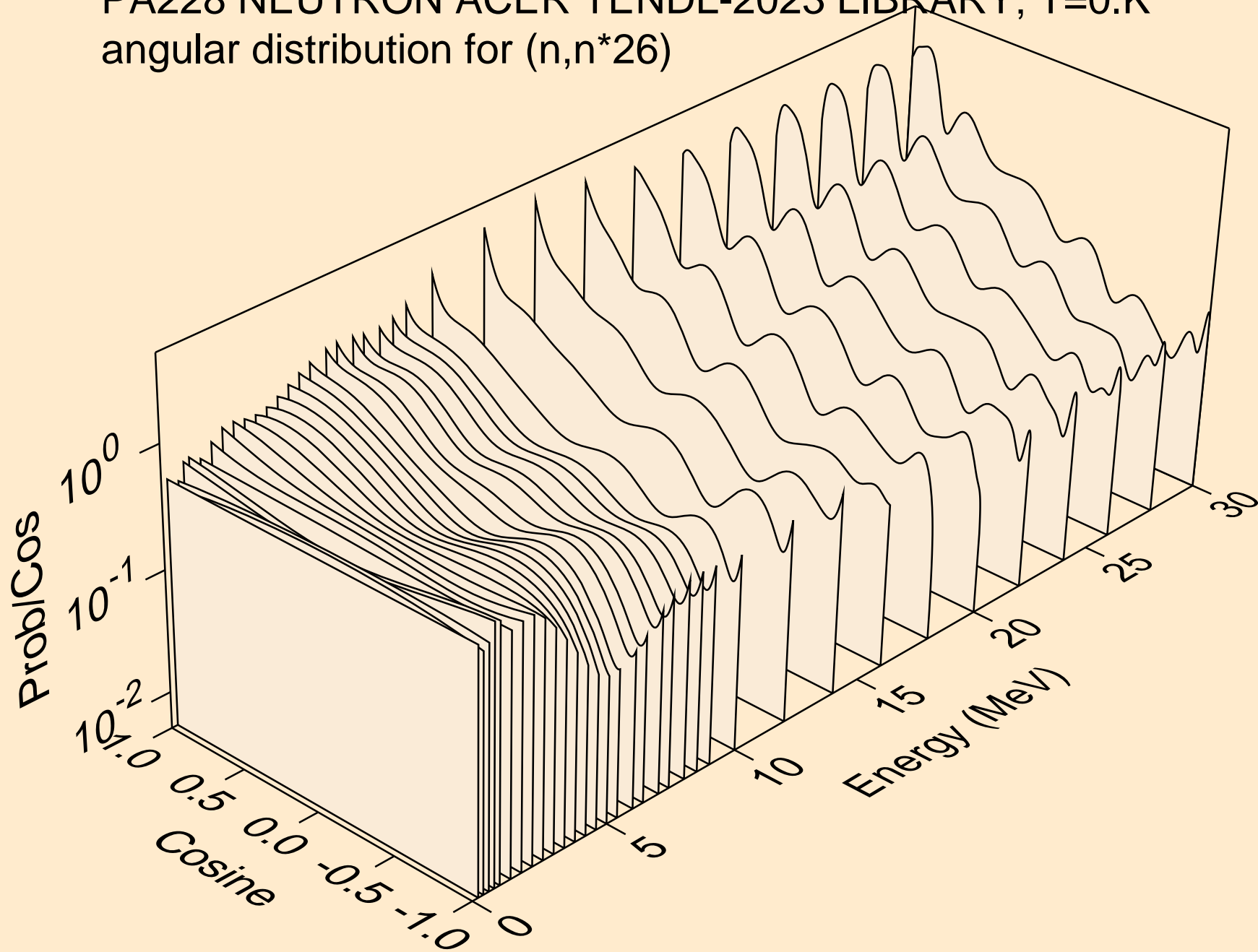
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

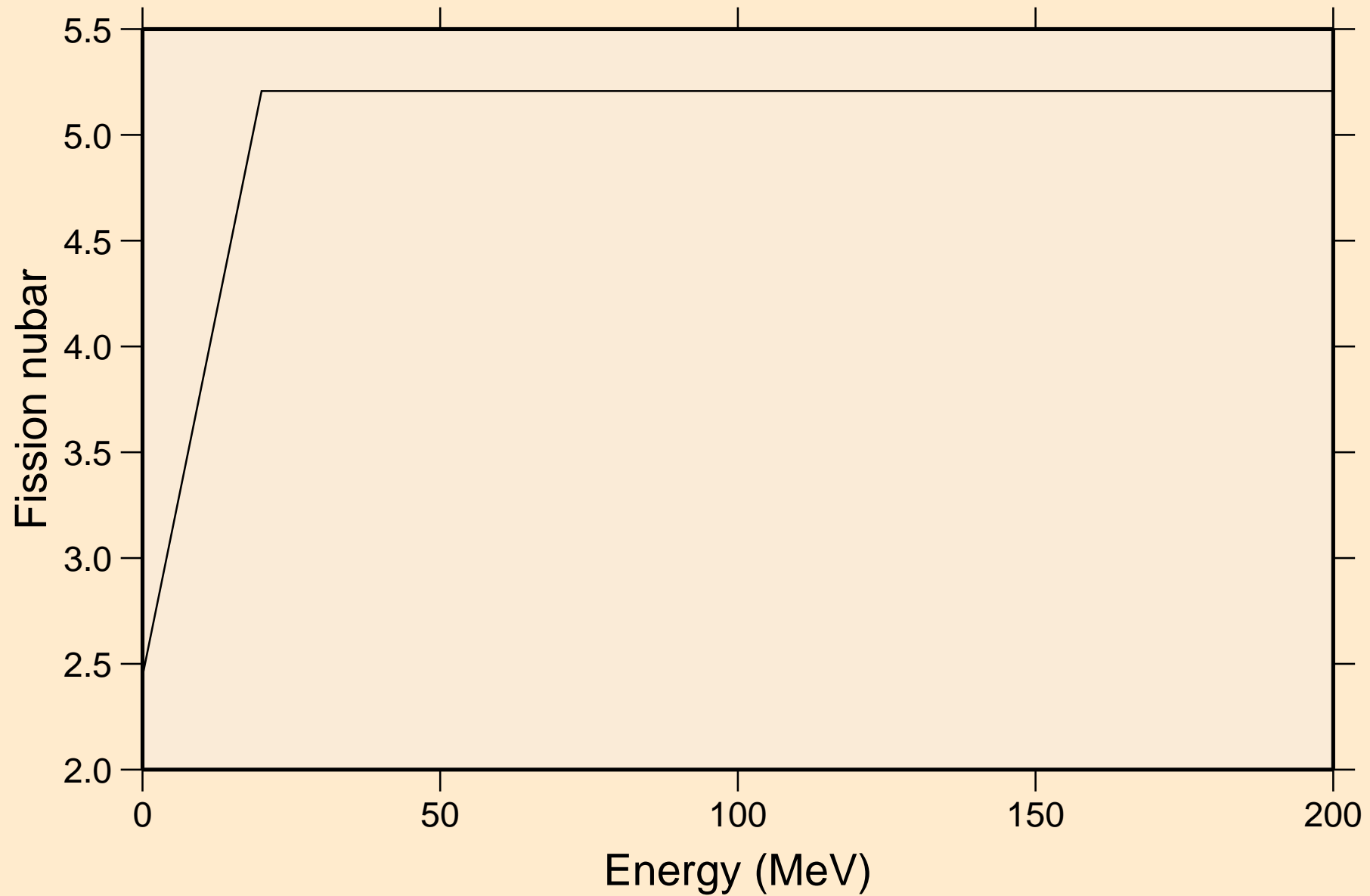


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

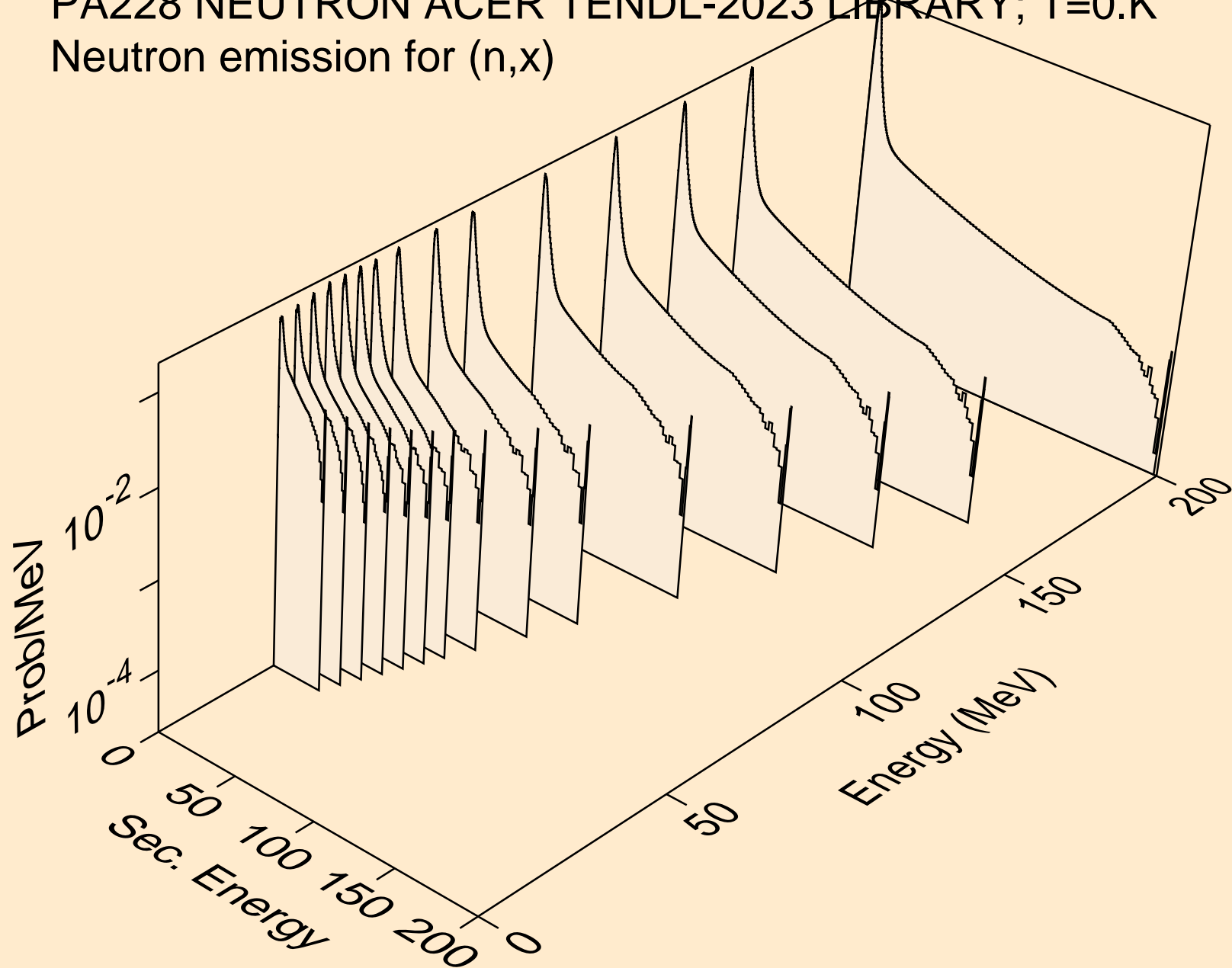


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

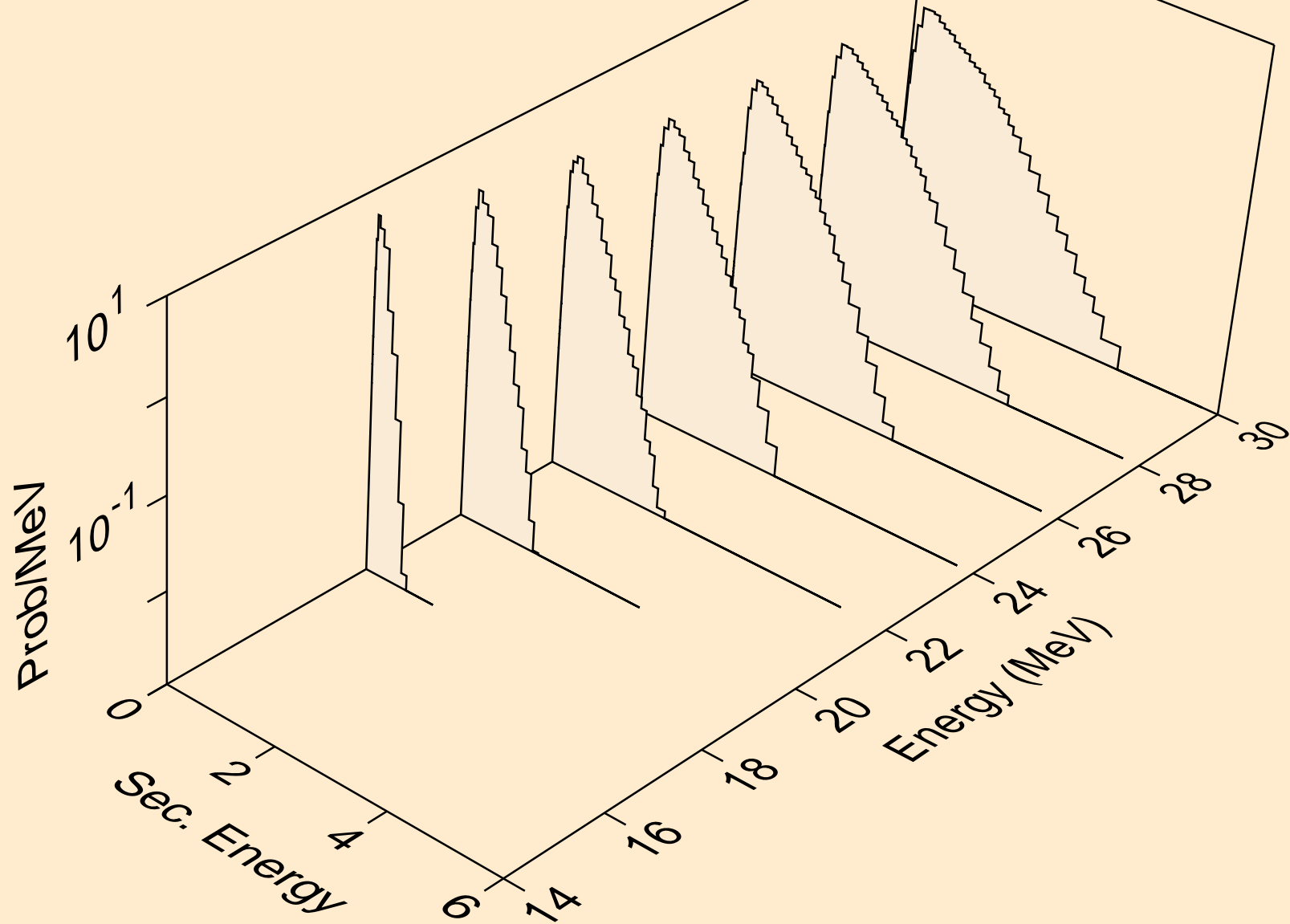
Total fission nubar



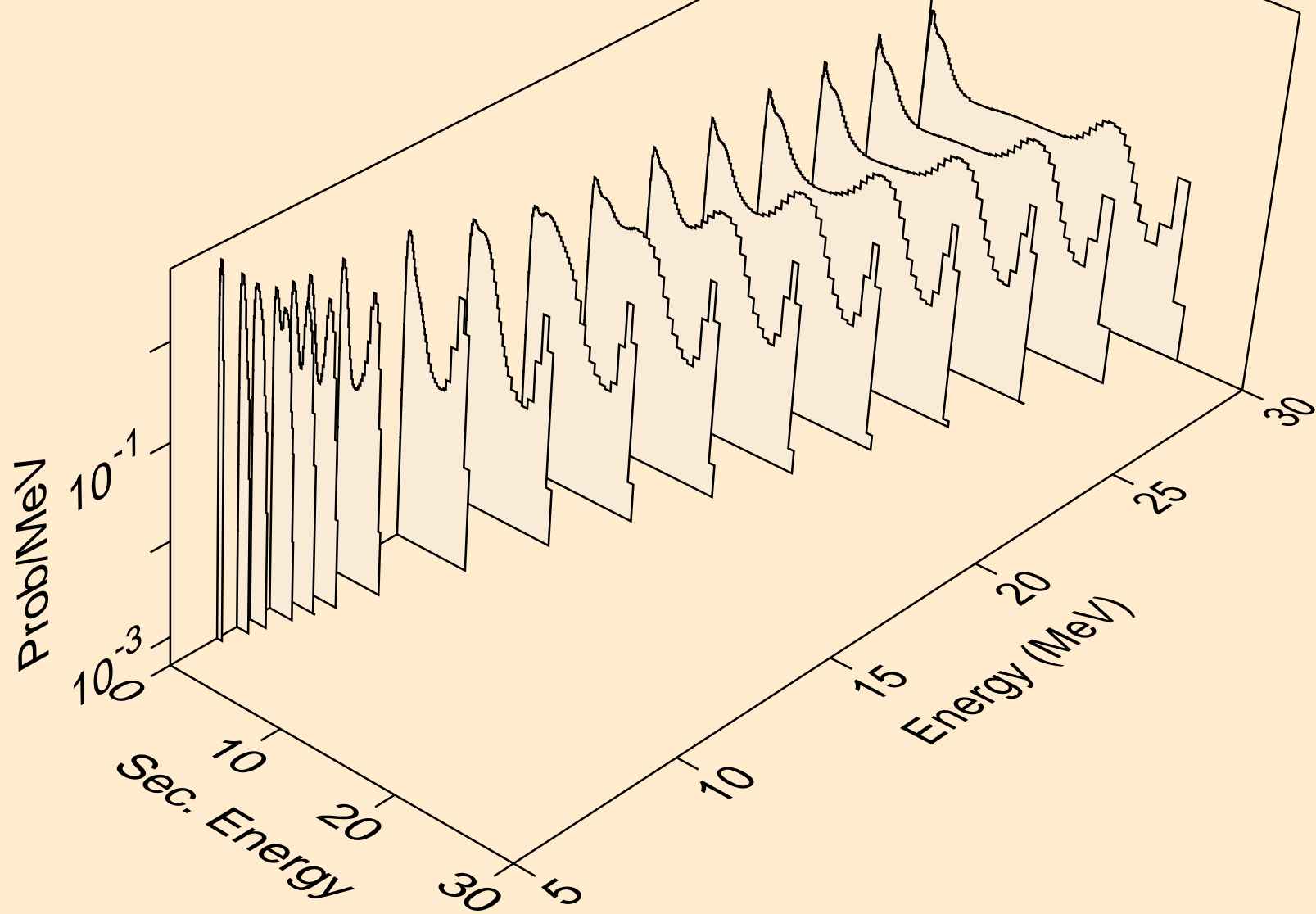
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



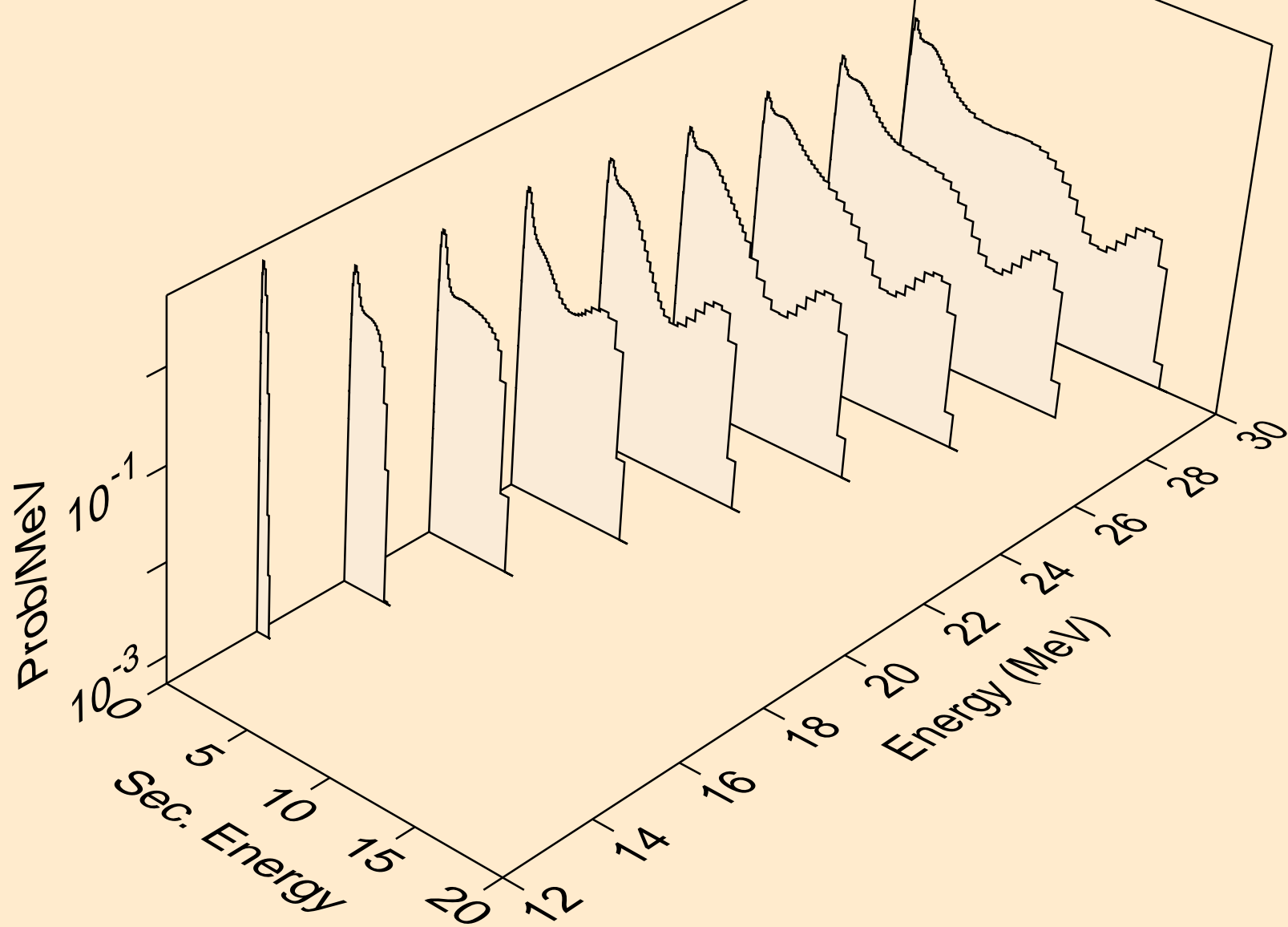
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

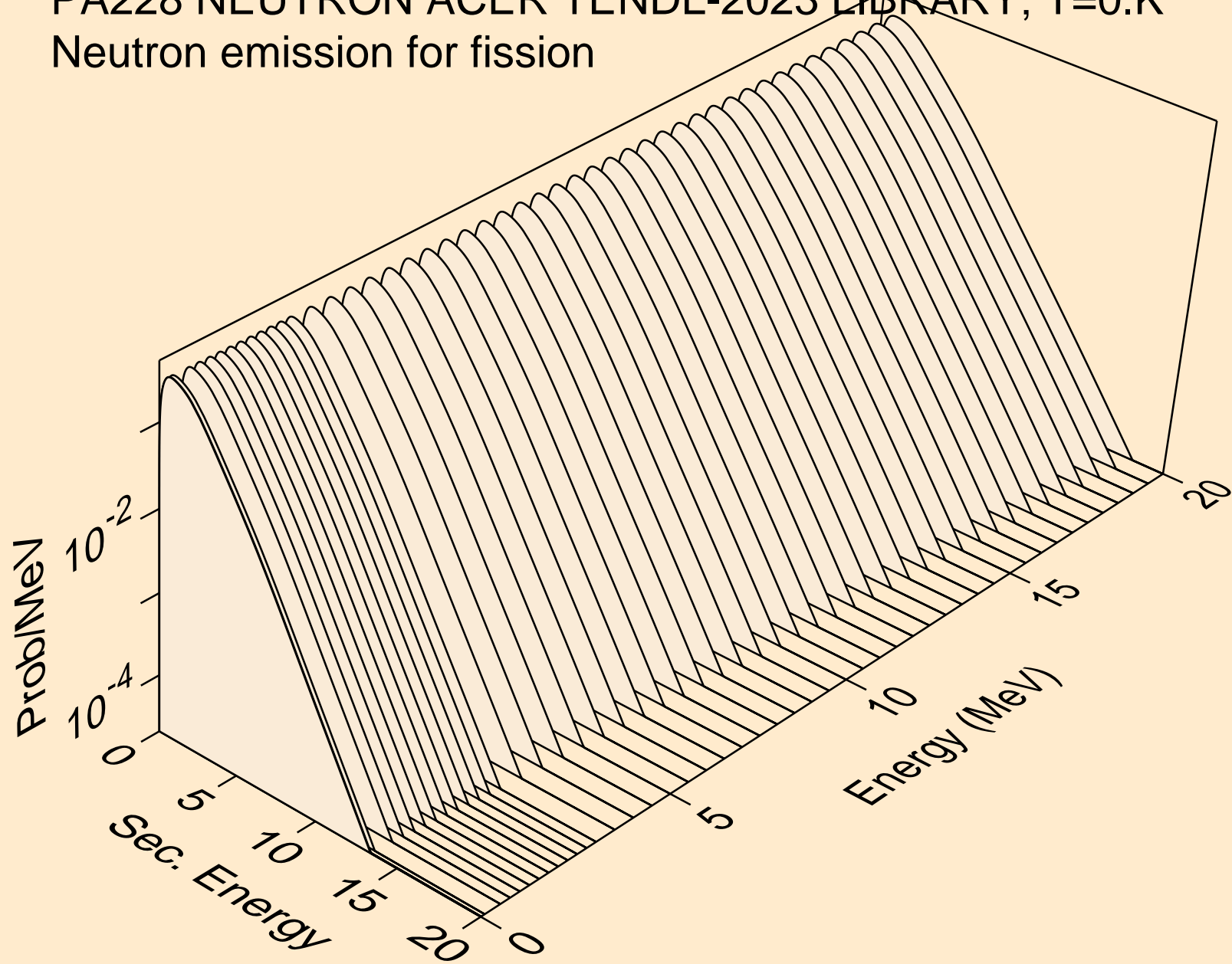


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

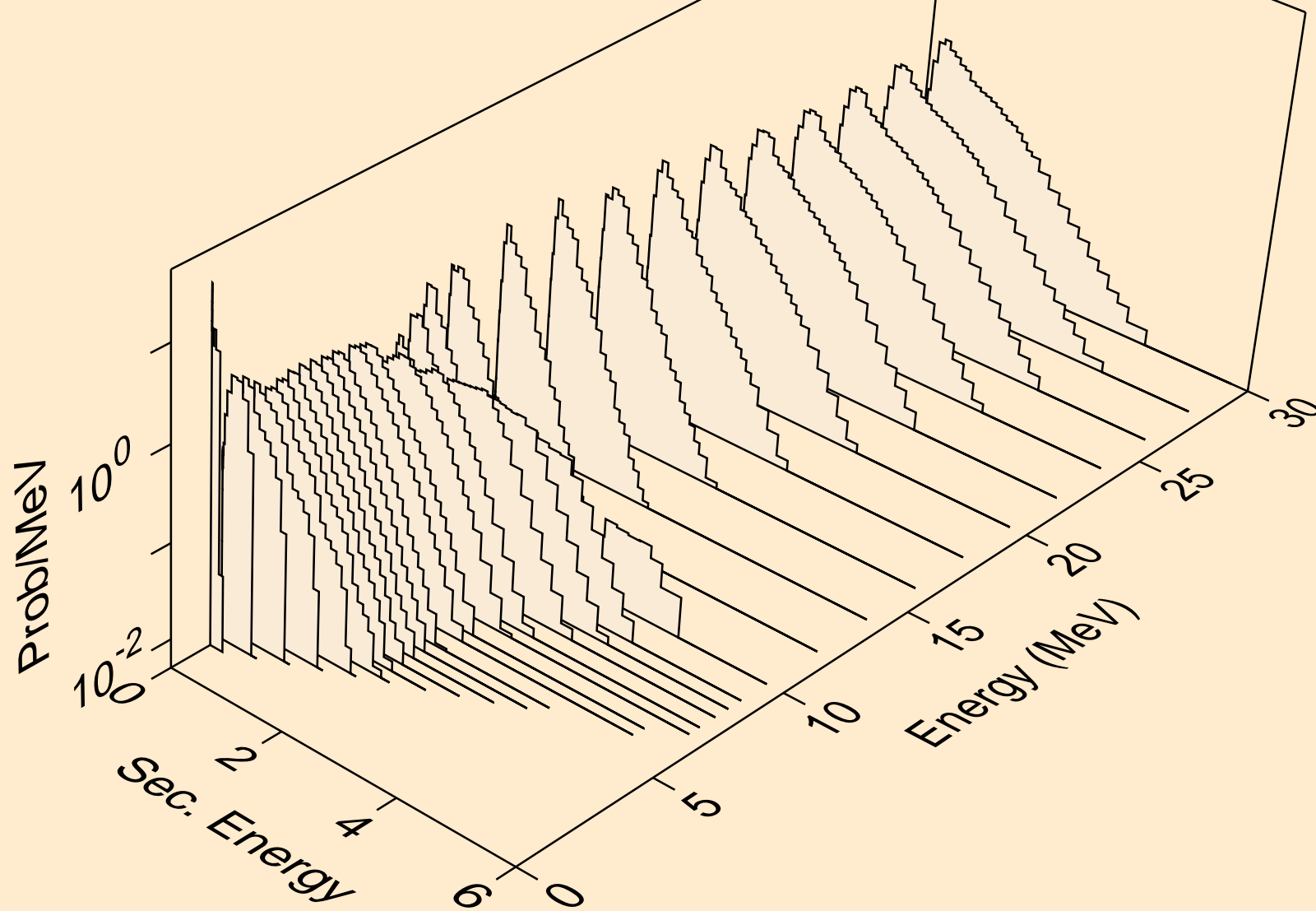




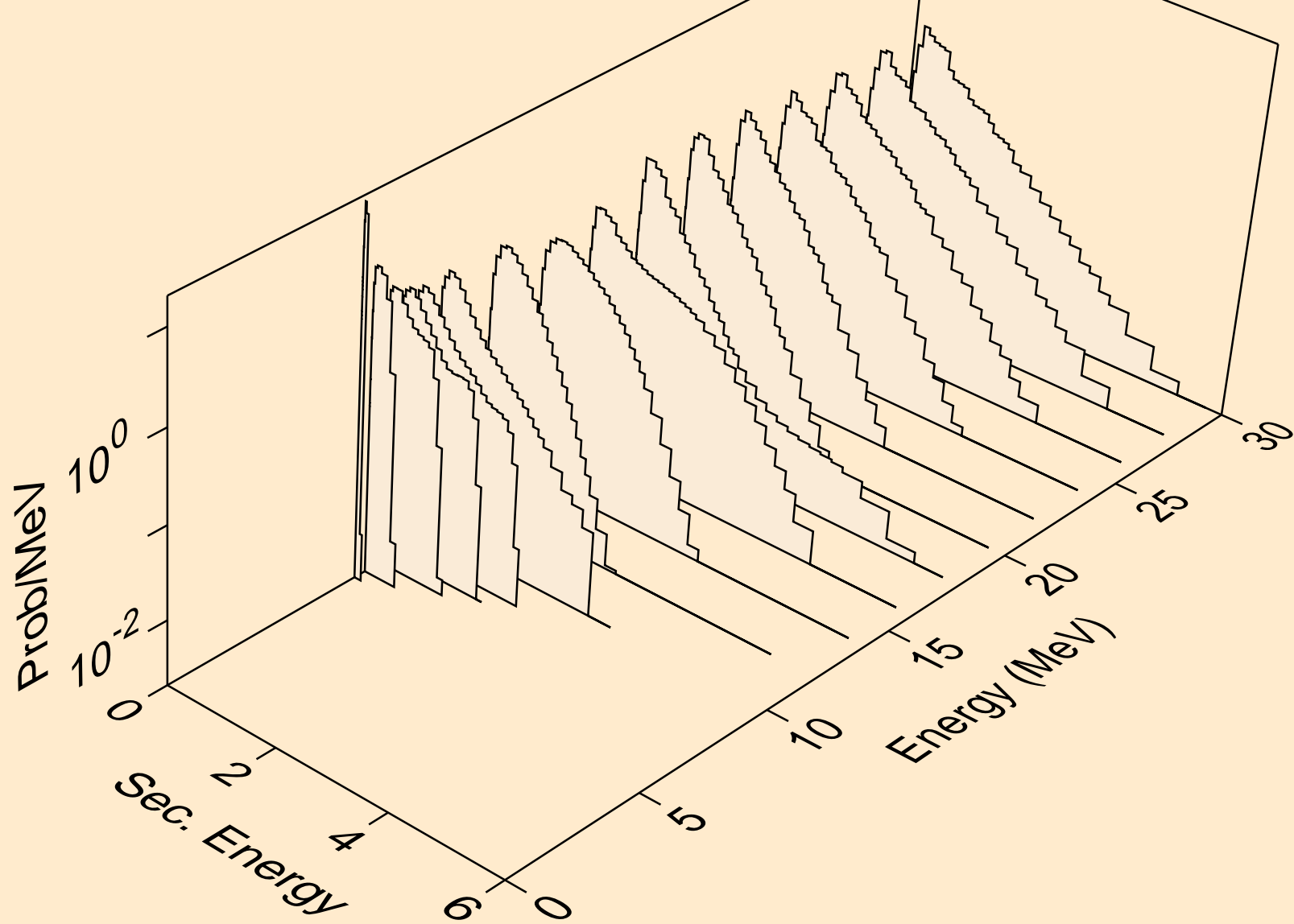
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



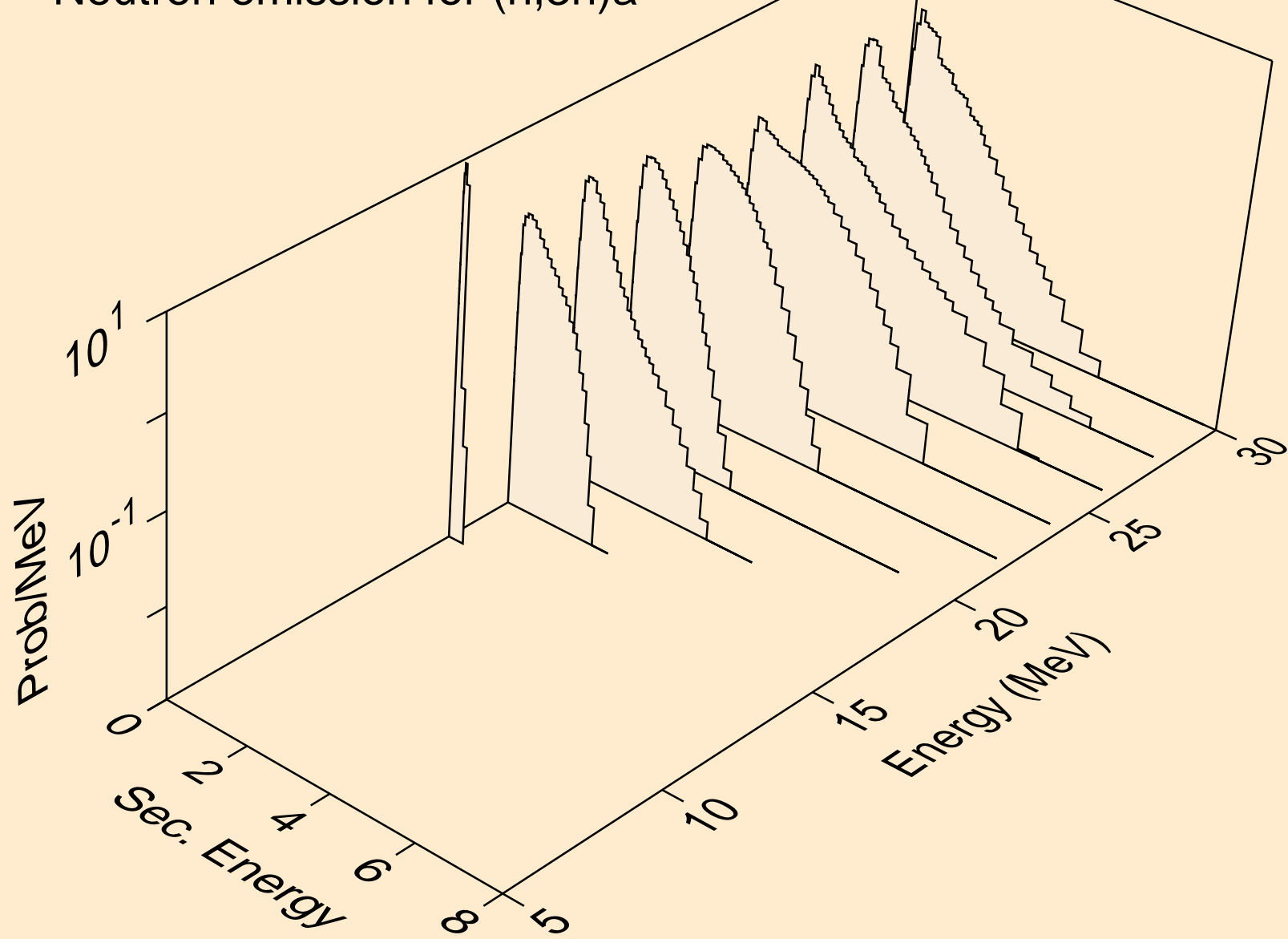
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



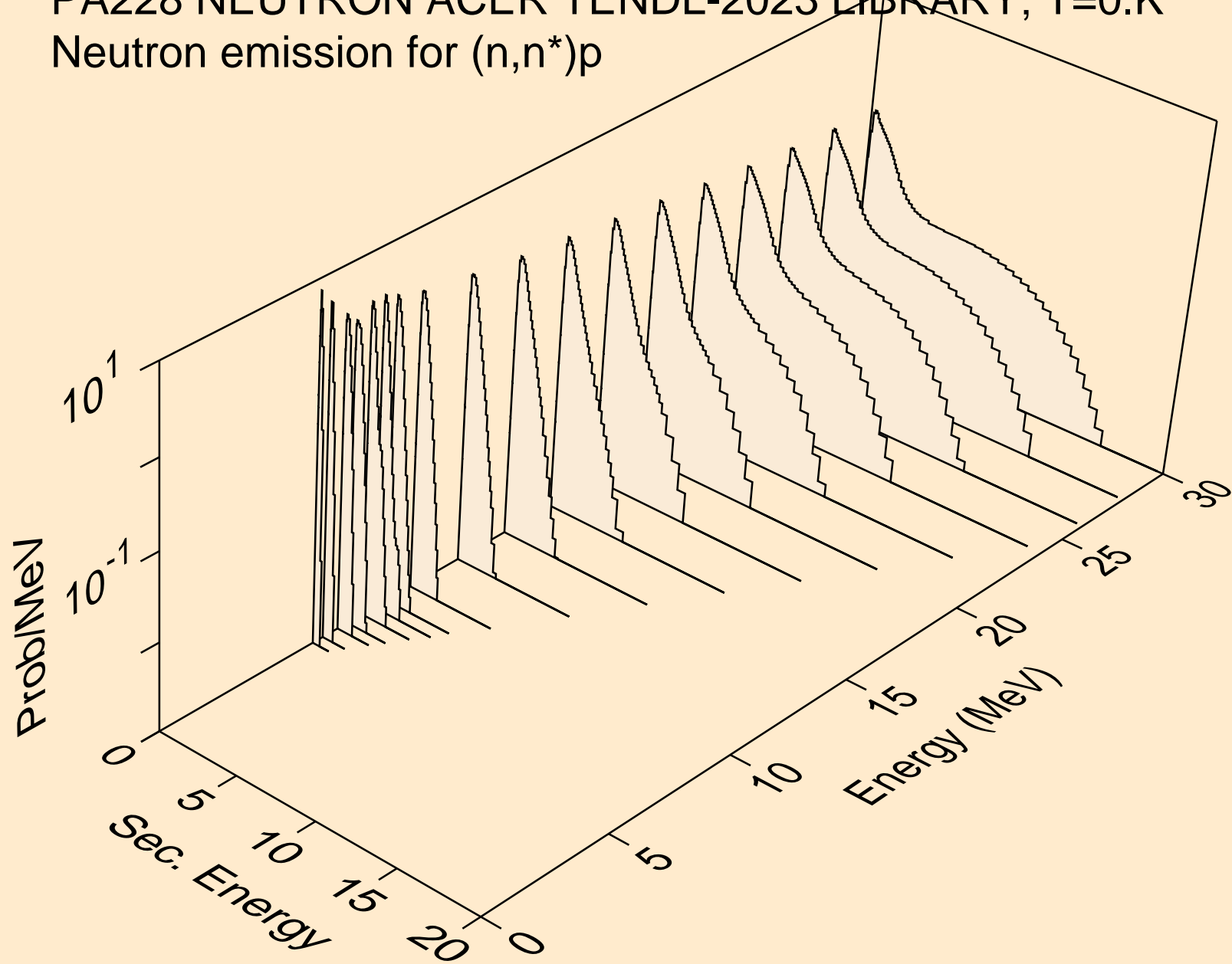
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



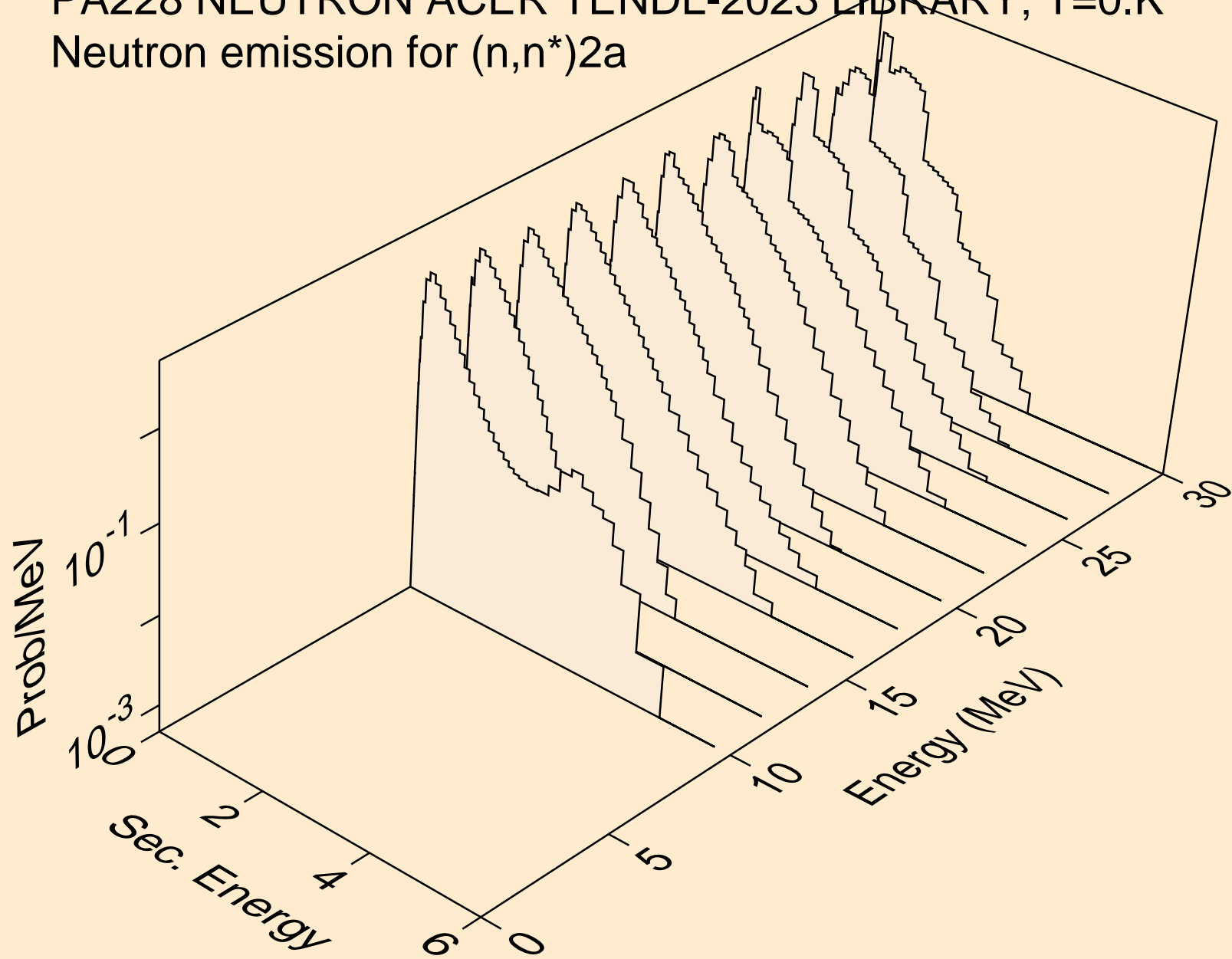
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



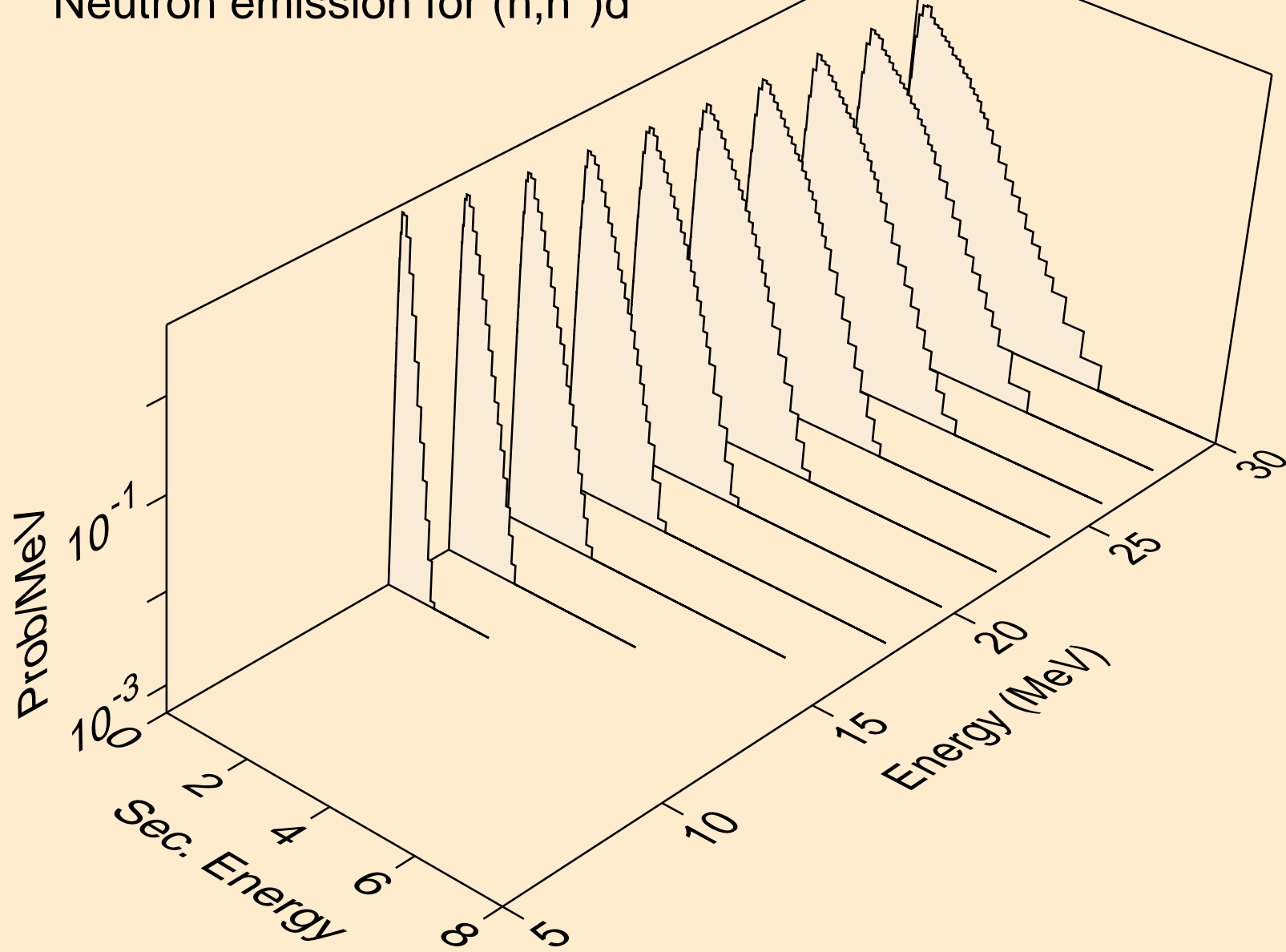
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



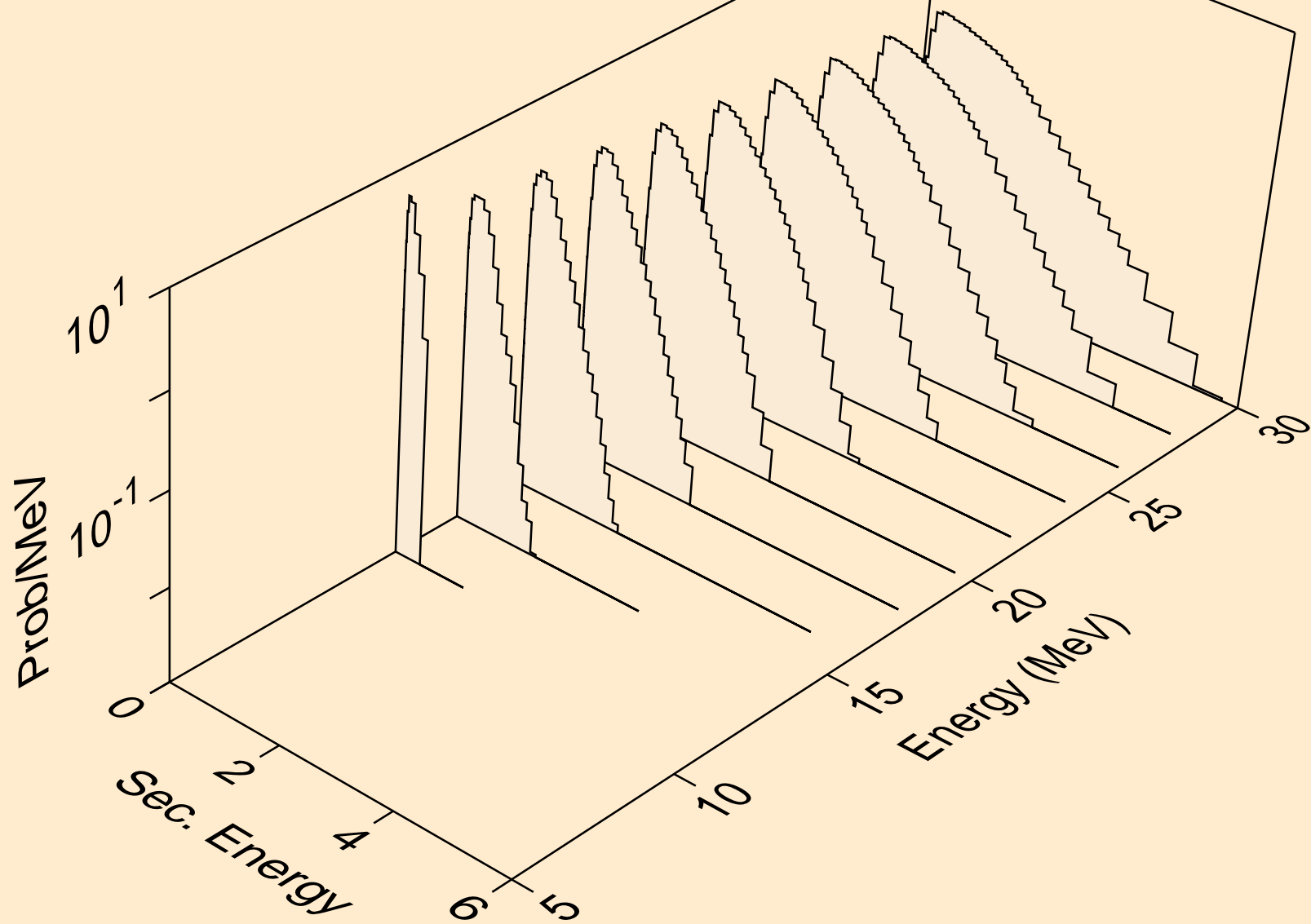
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

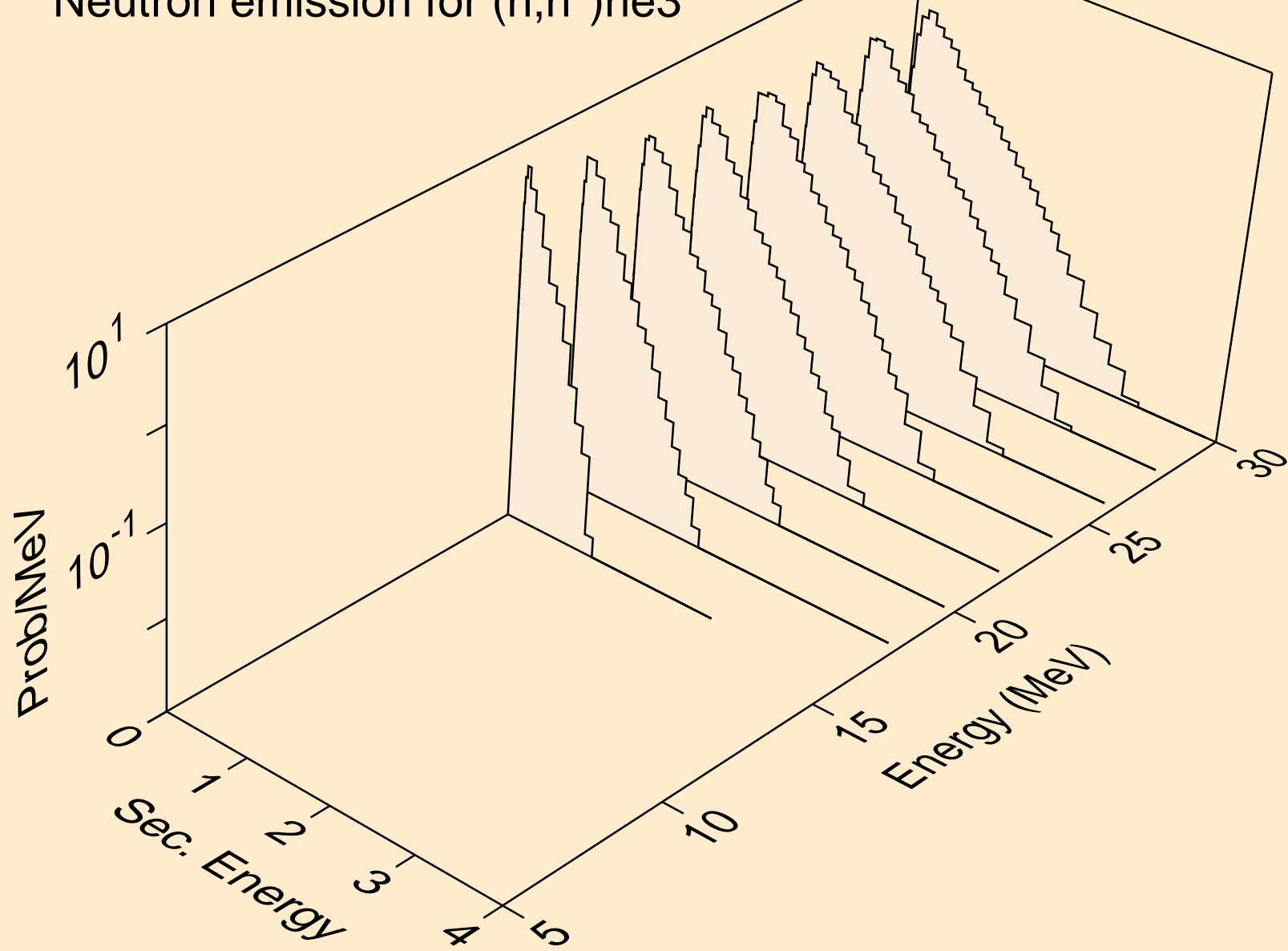


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

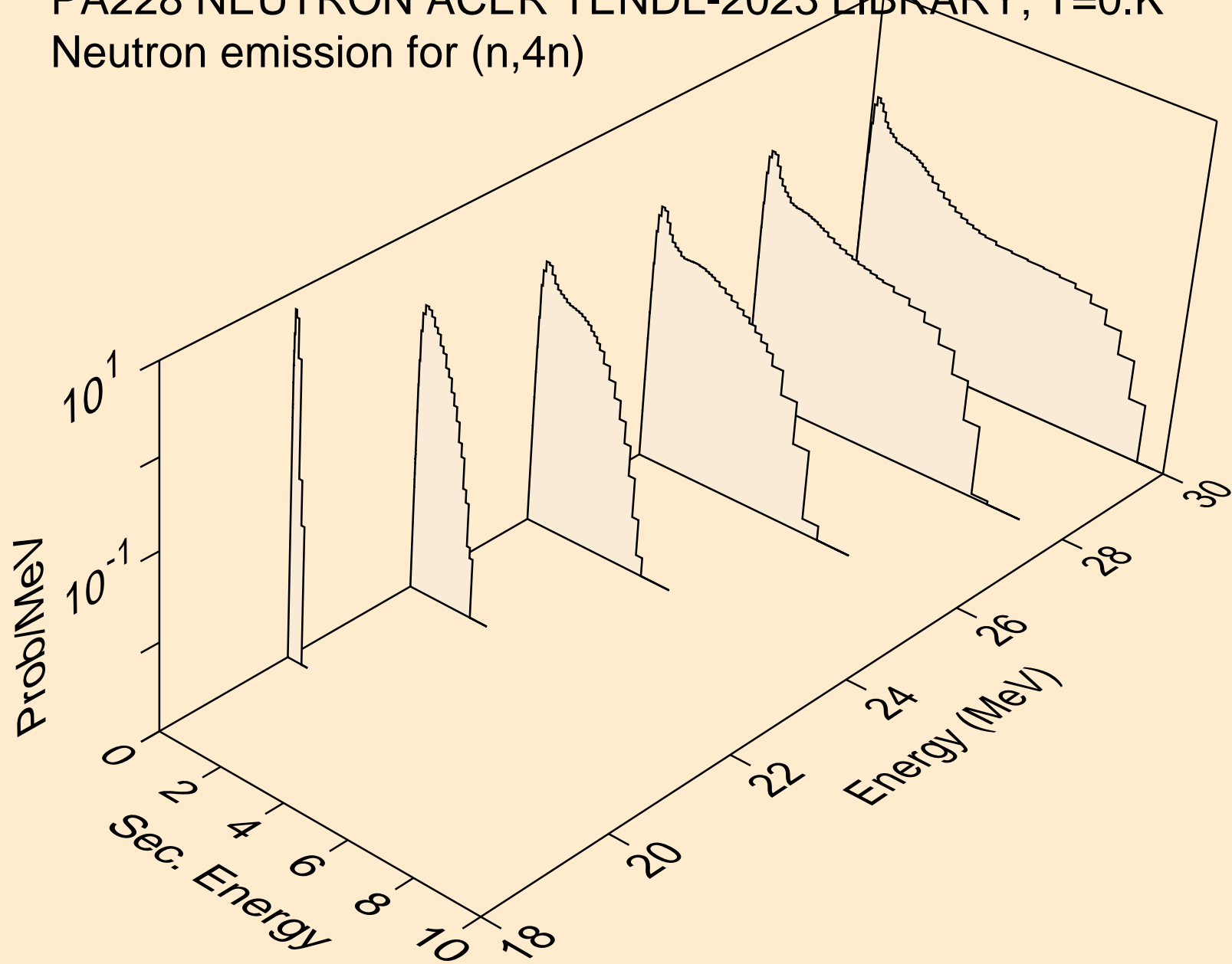




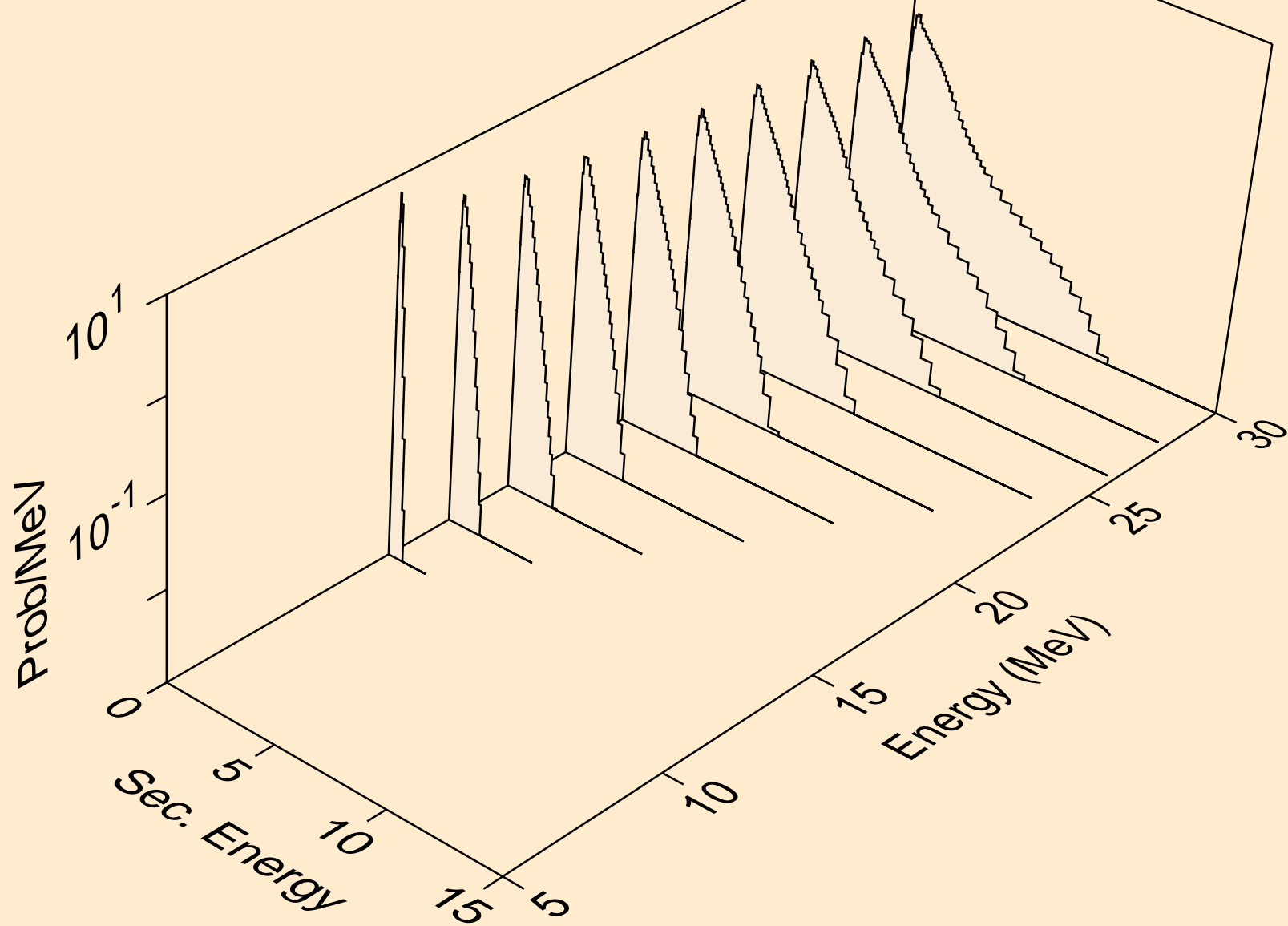
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



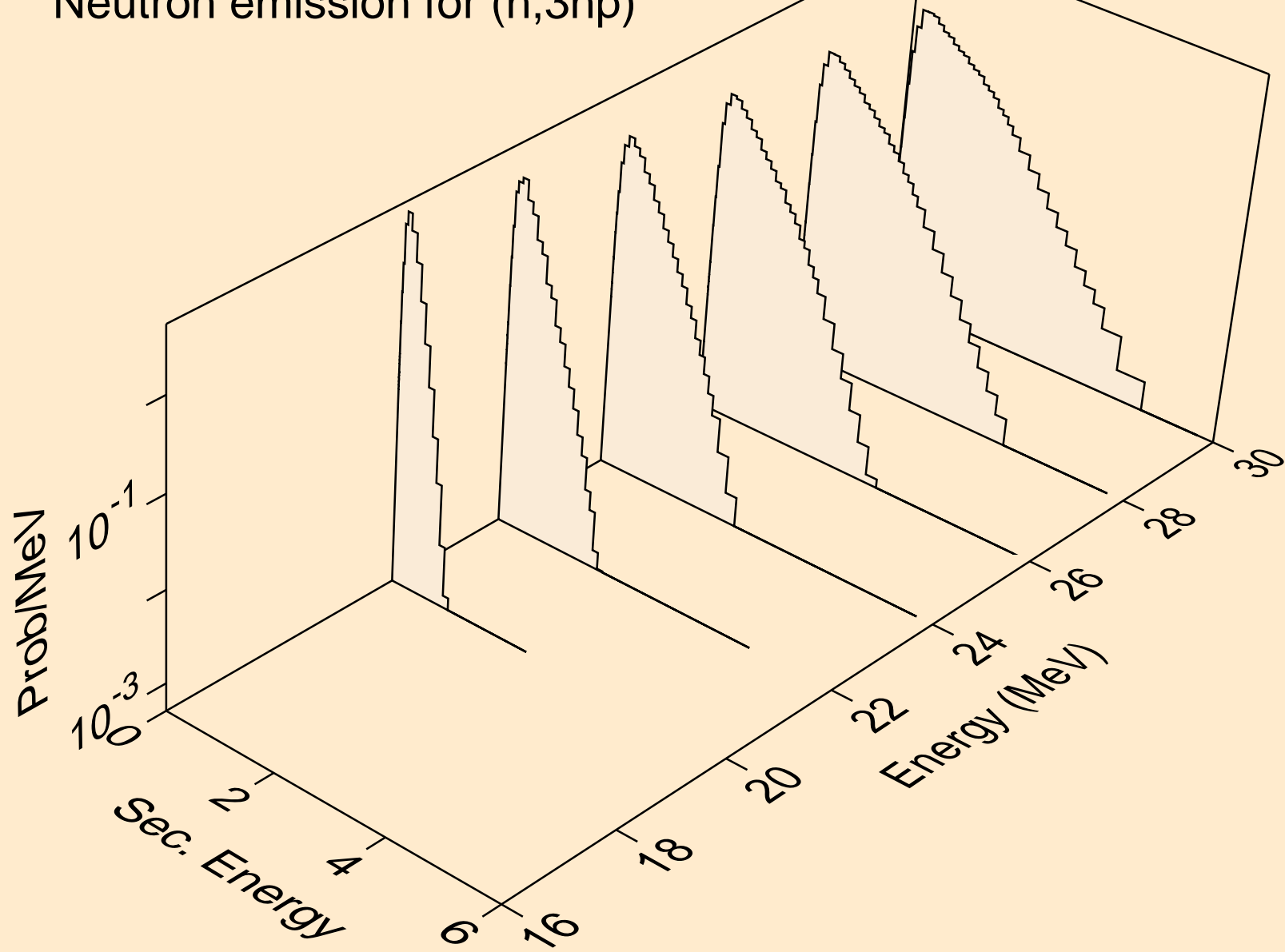
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



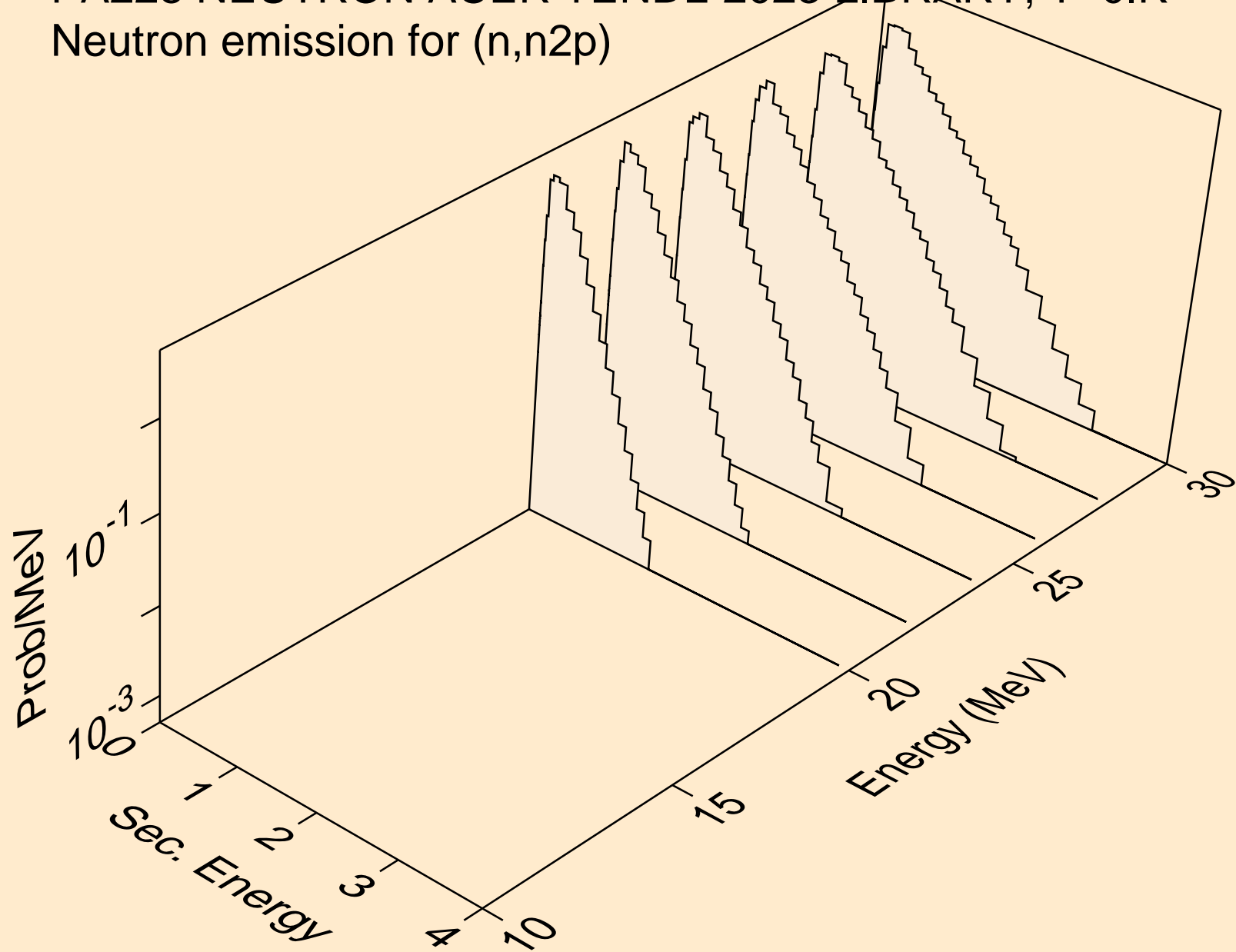
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



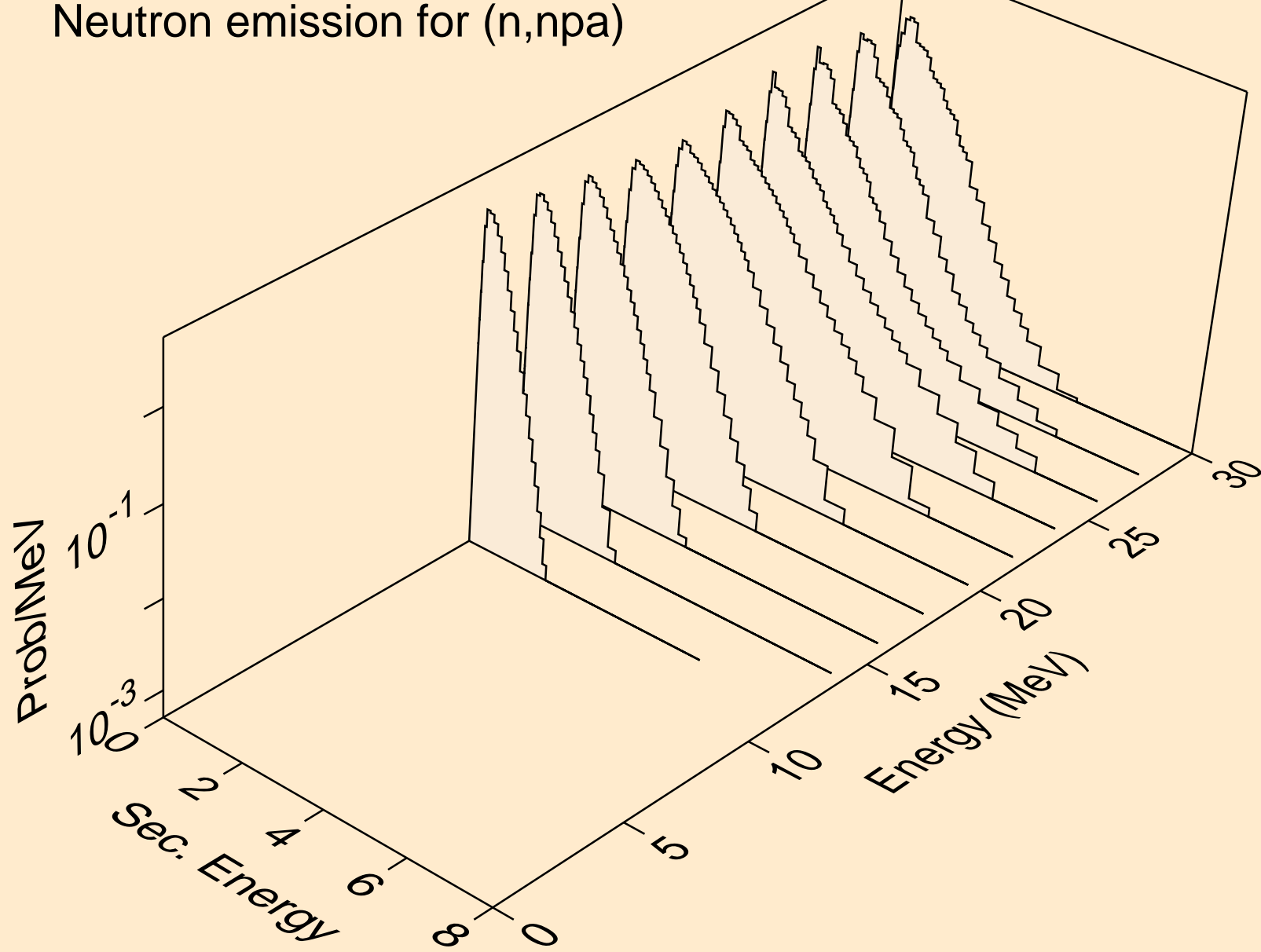
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Neutron emission for (n,3np)



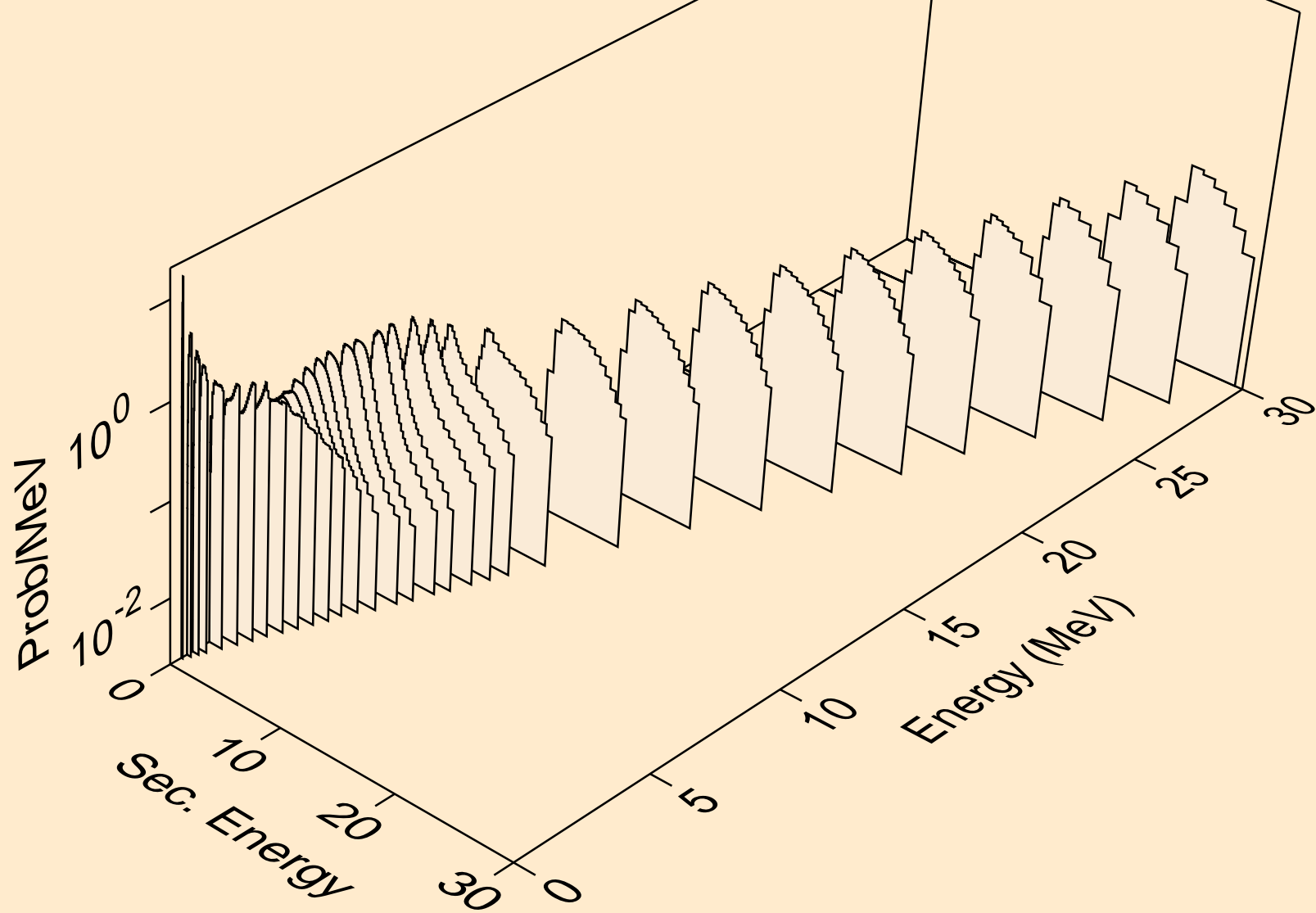
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

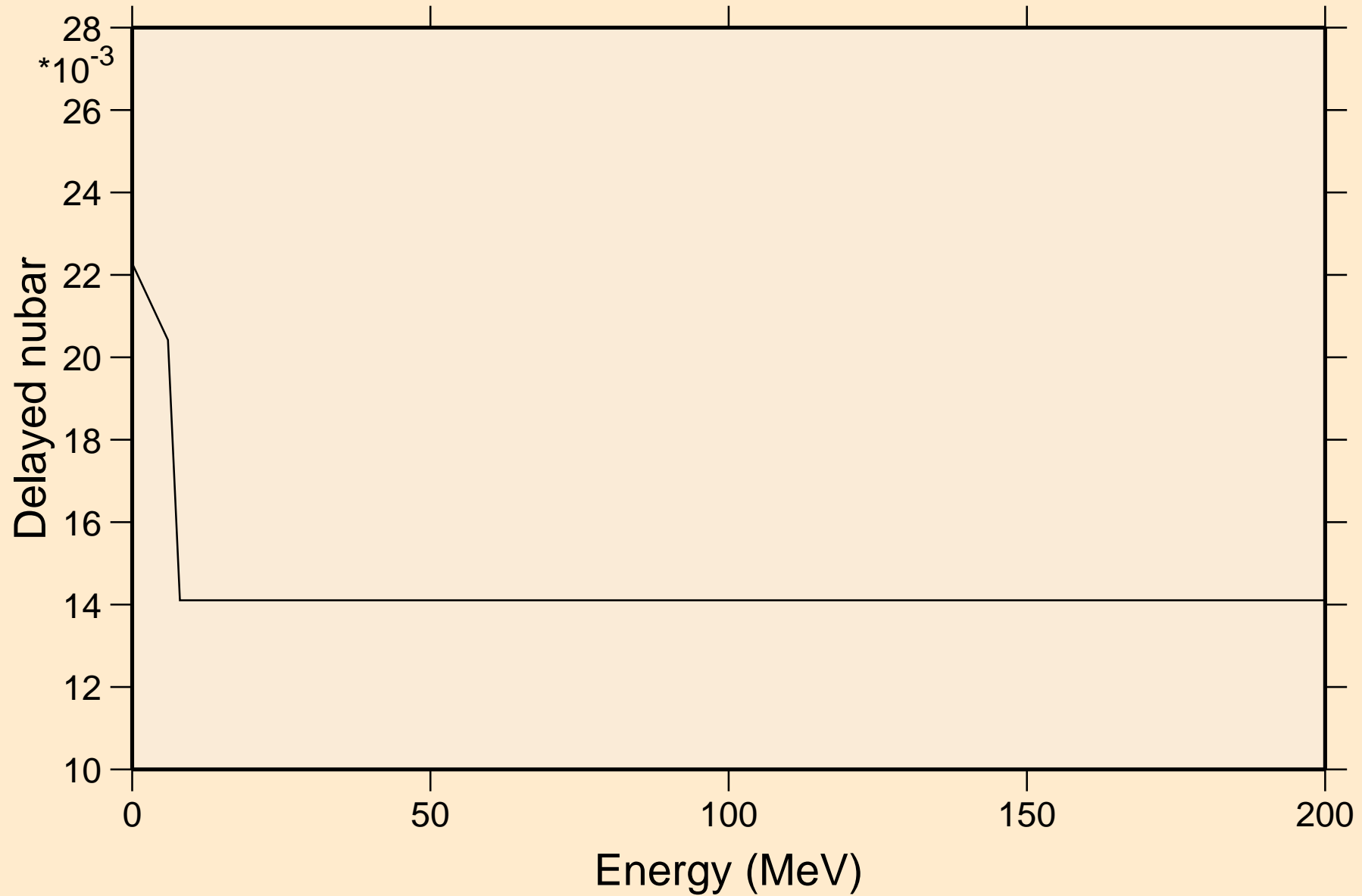


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

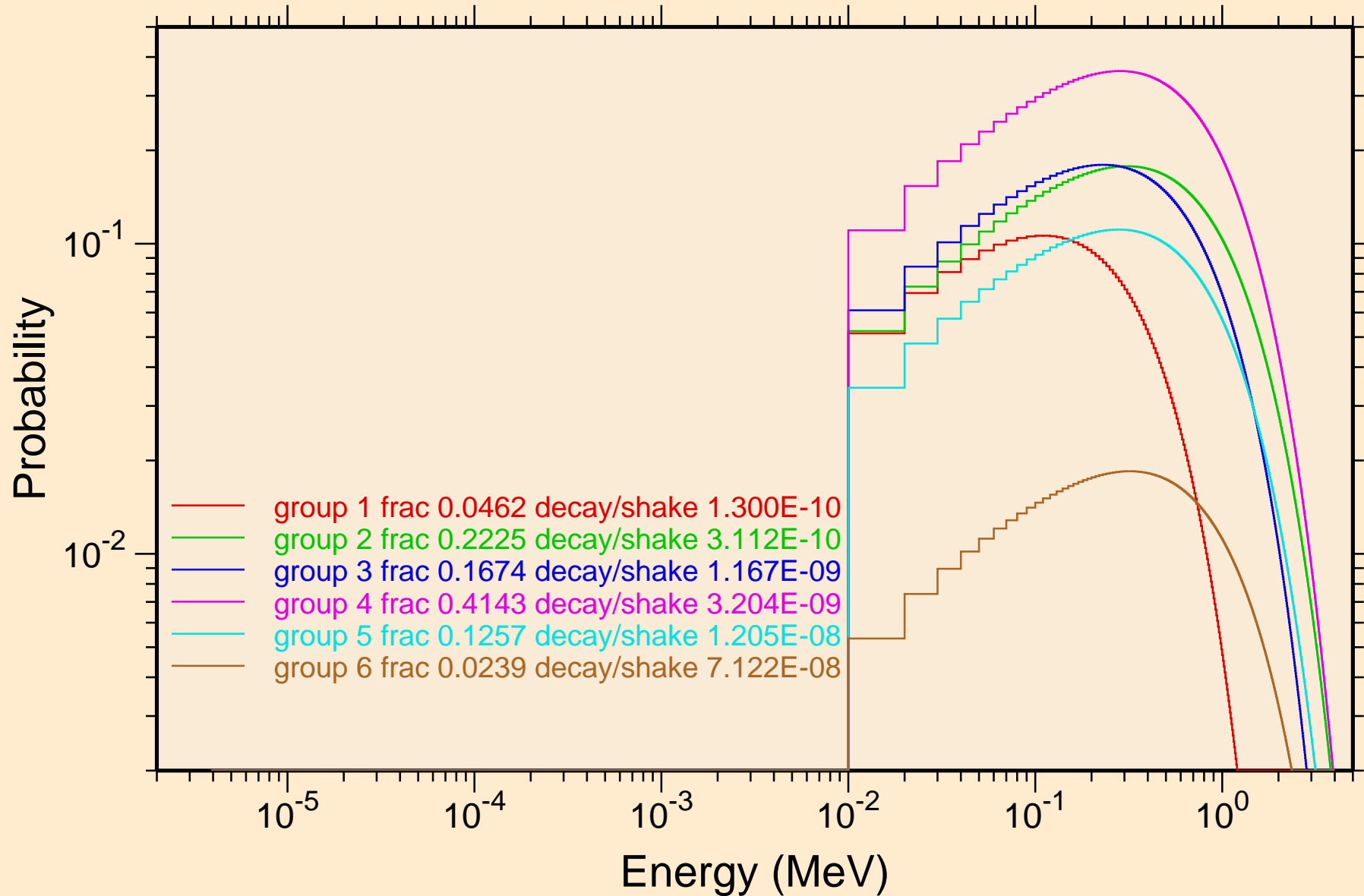
Delayed nubar



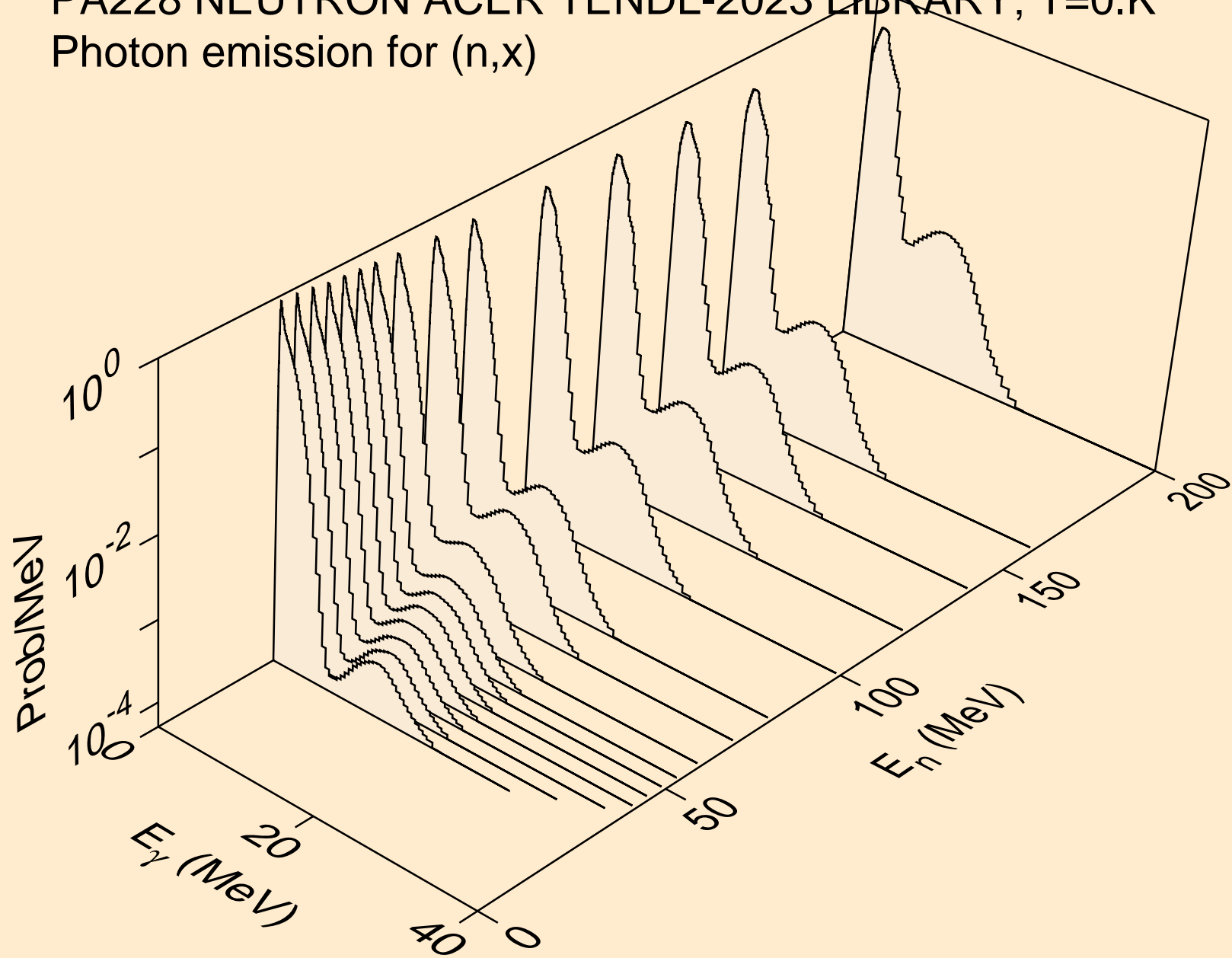


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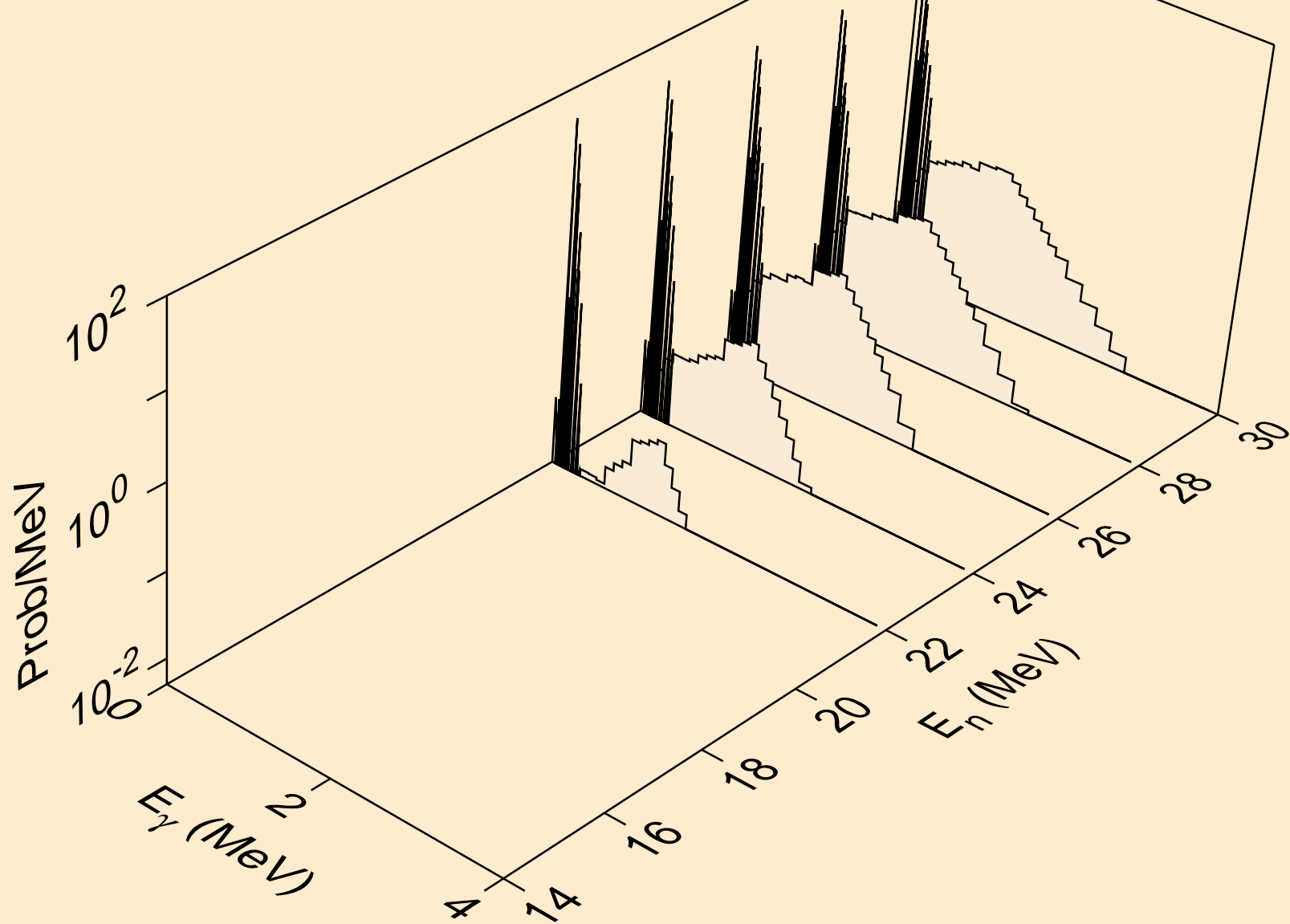
## Delayed neutron spectra



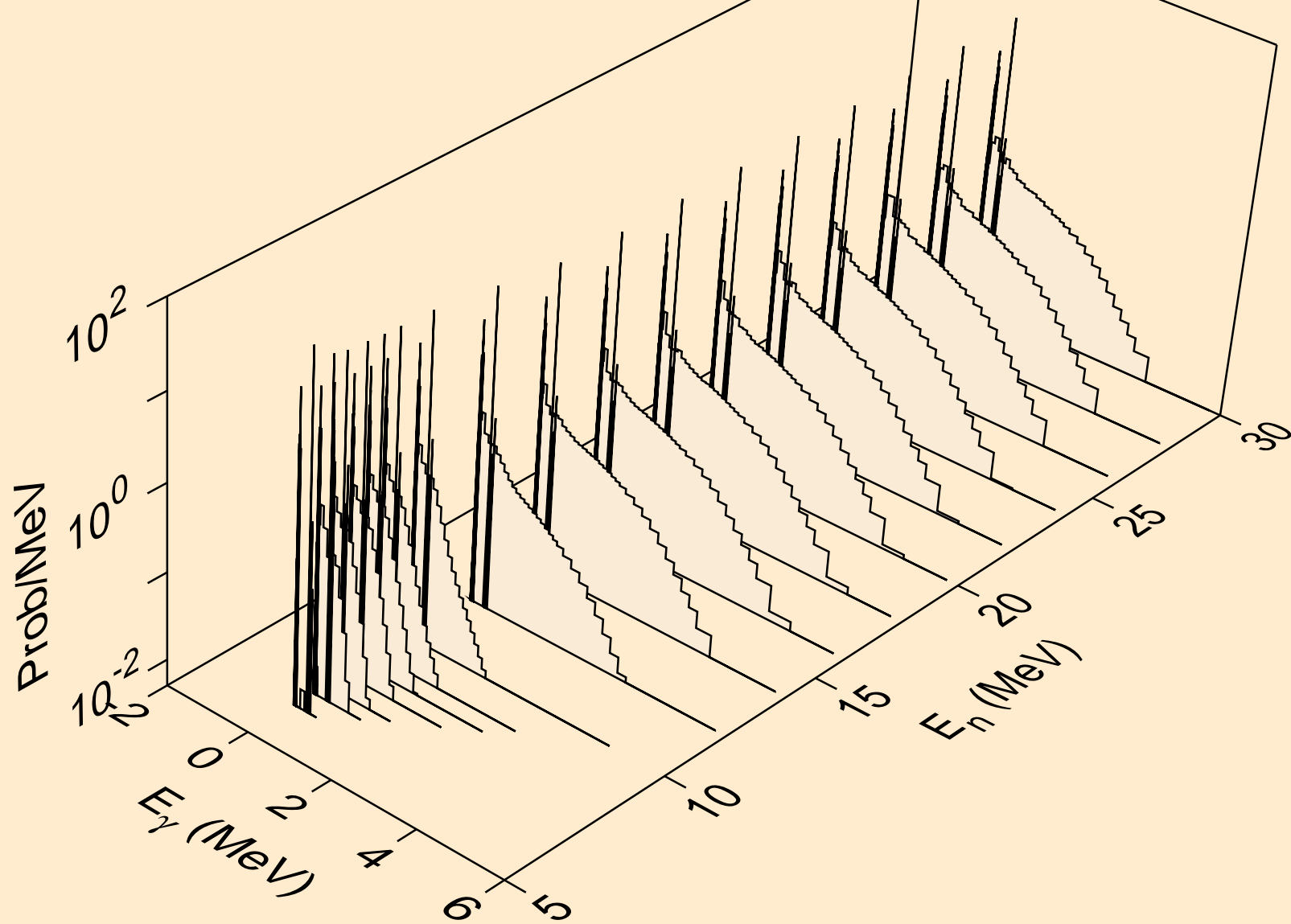
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



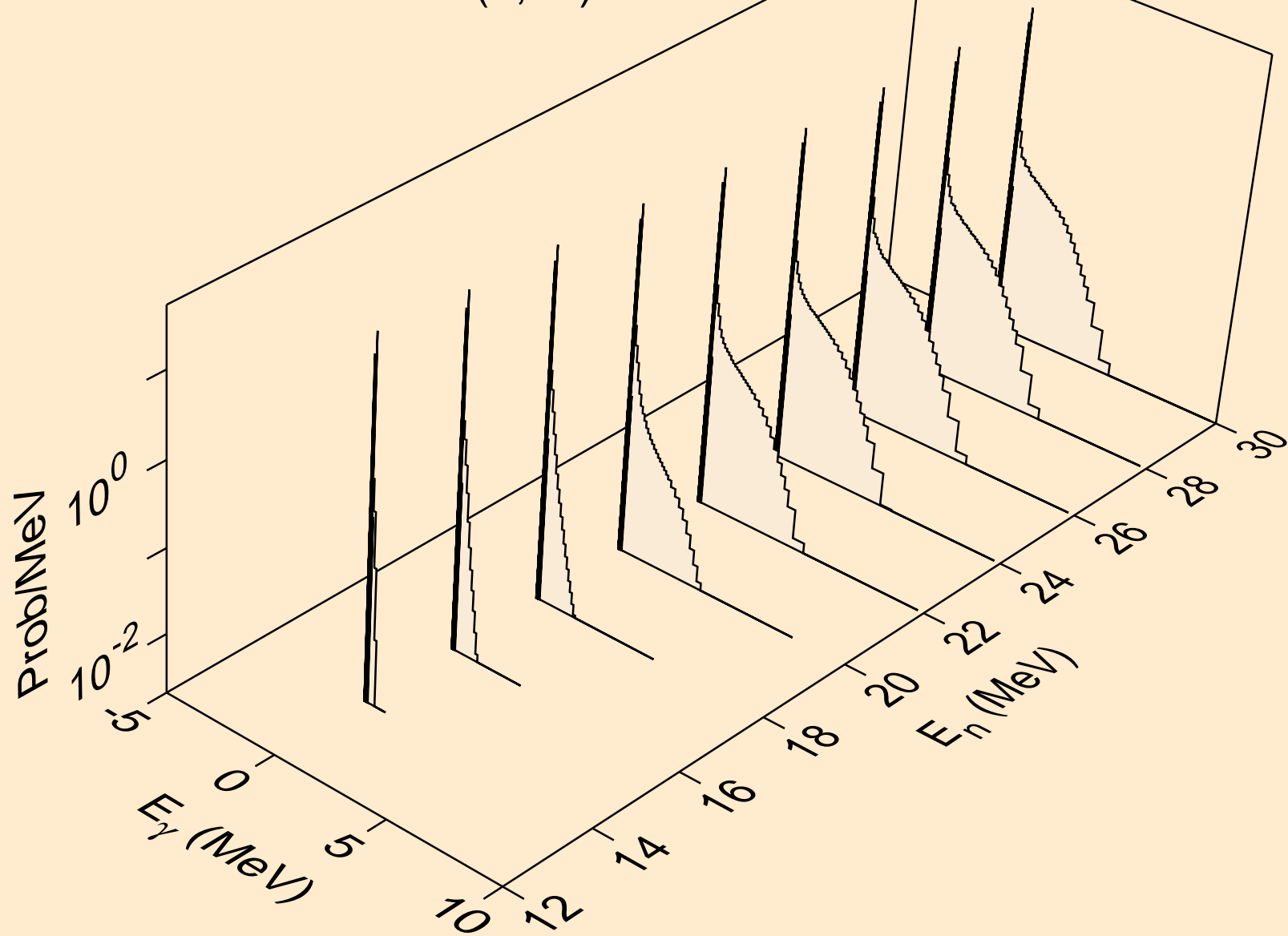
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Photon emission for (n,2nd)



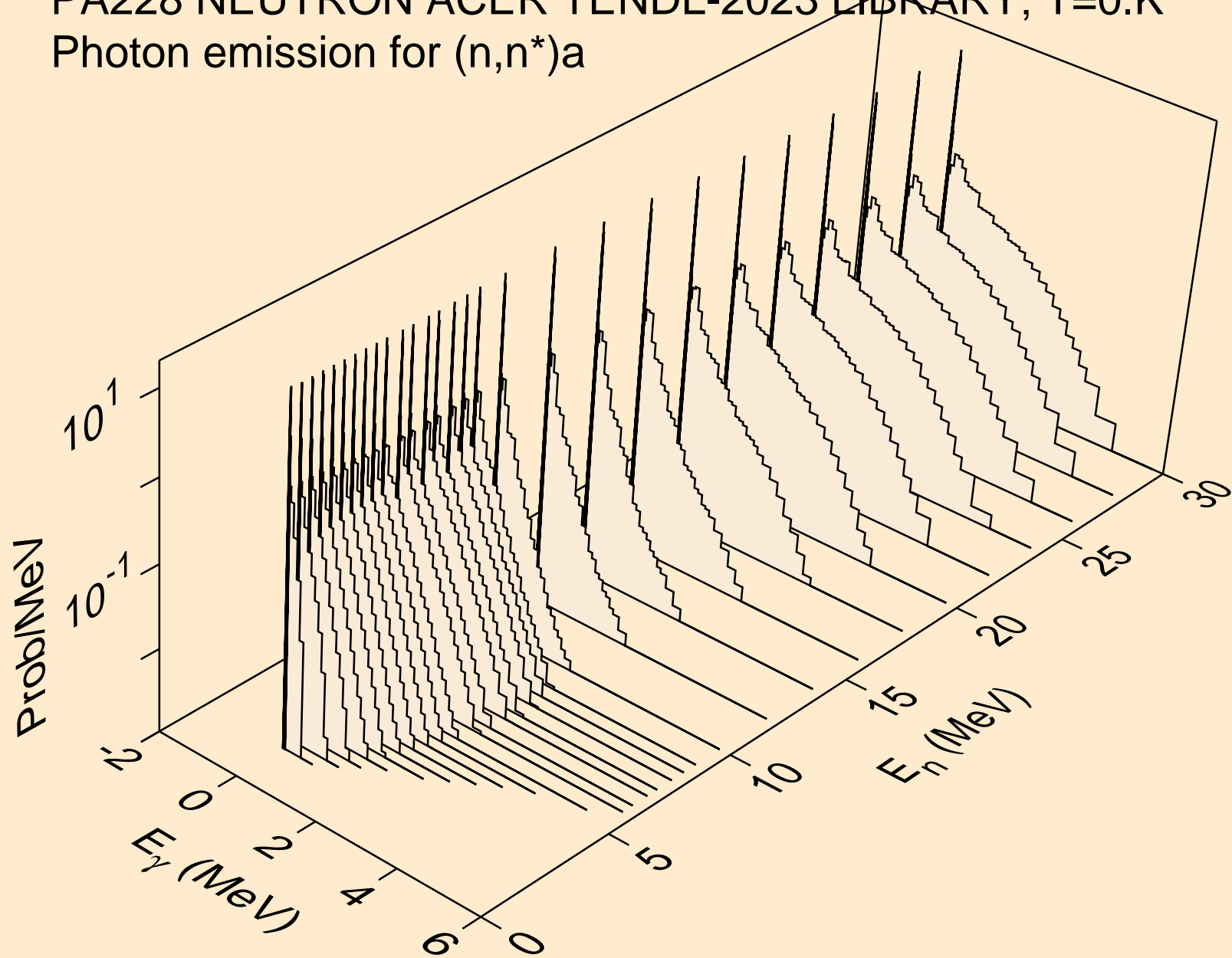
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Photon emission for (n,2n)



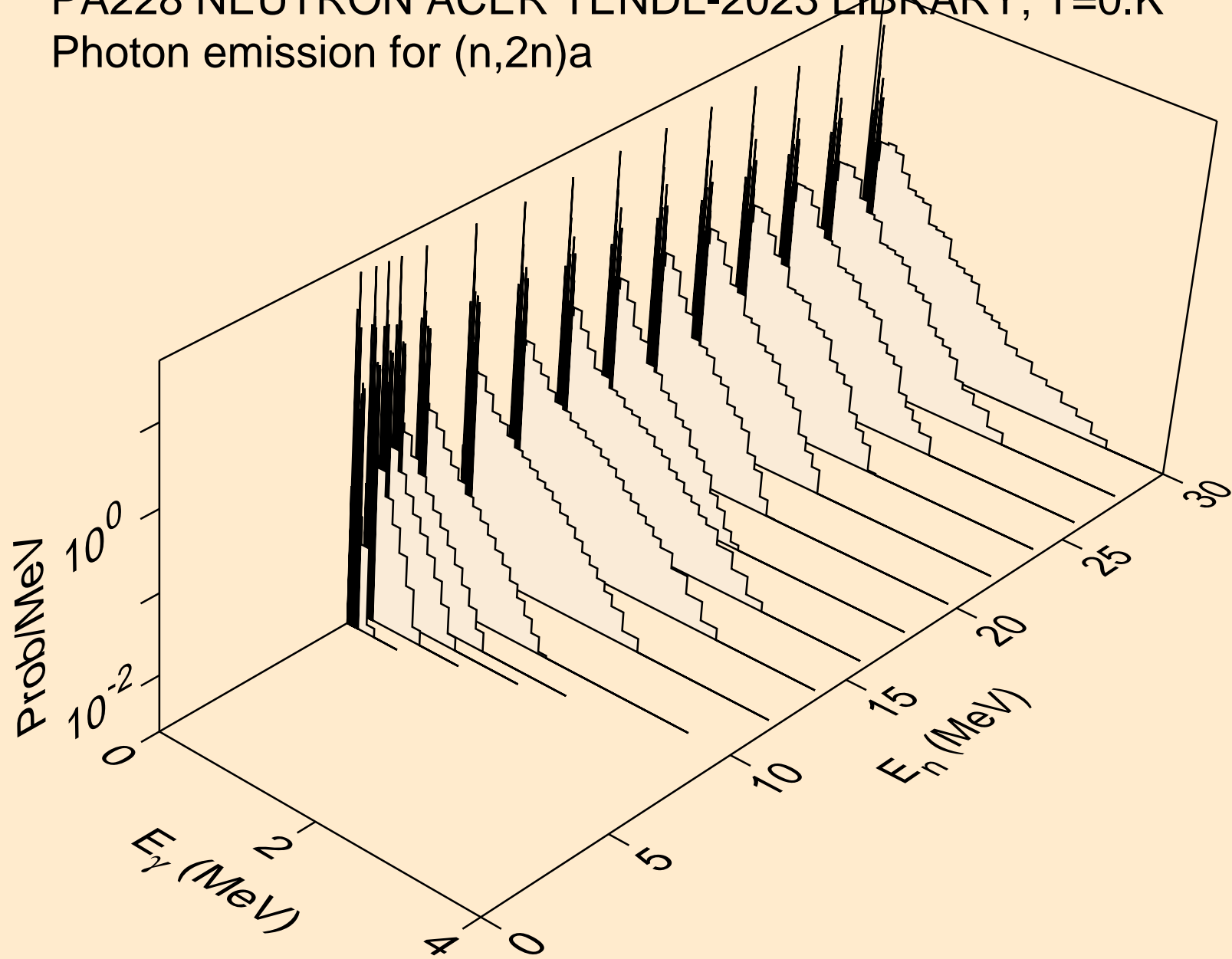
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Photon emission for (n,3n)



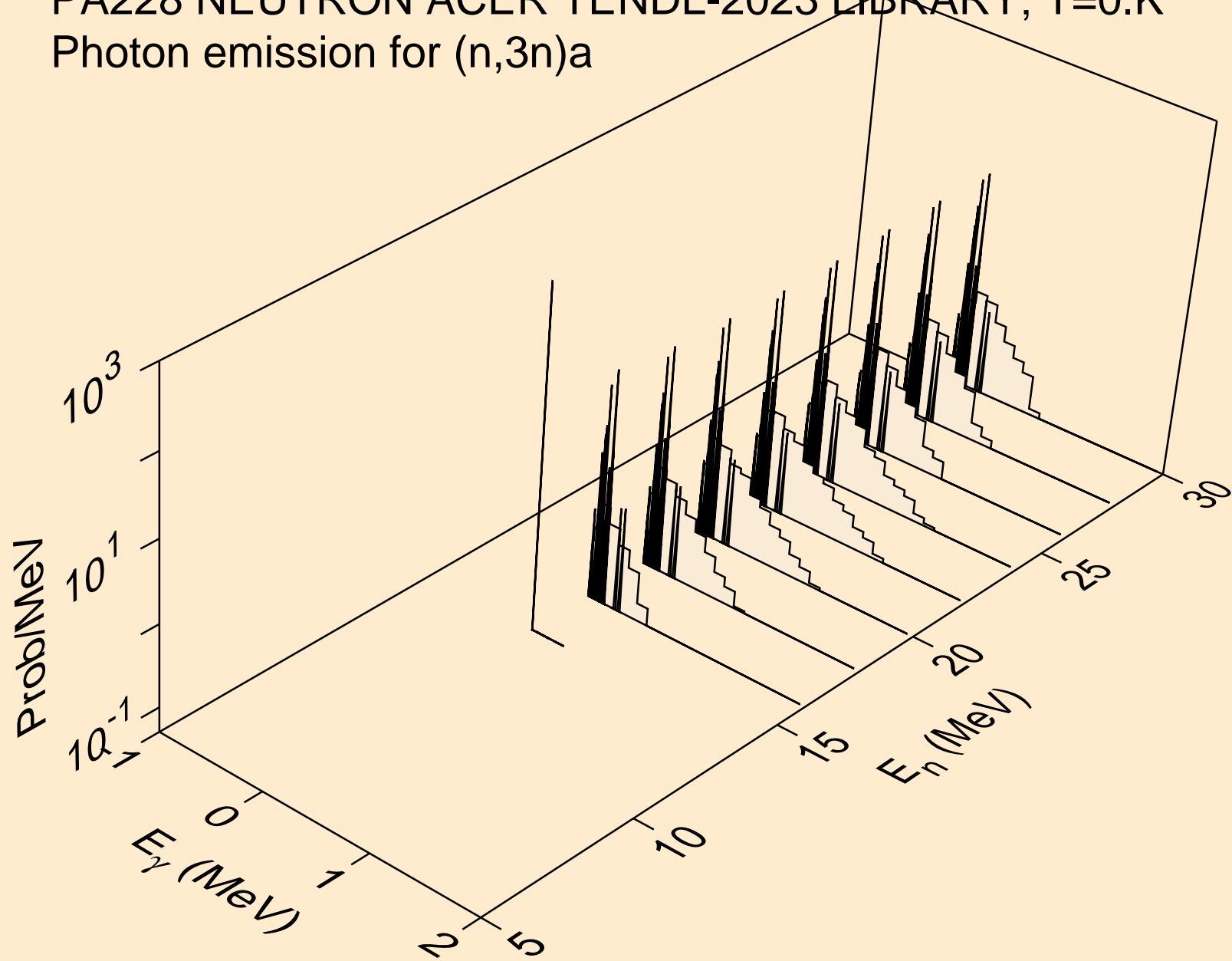
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

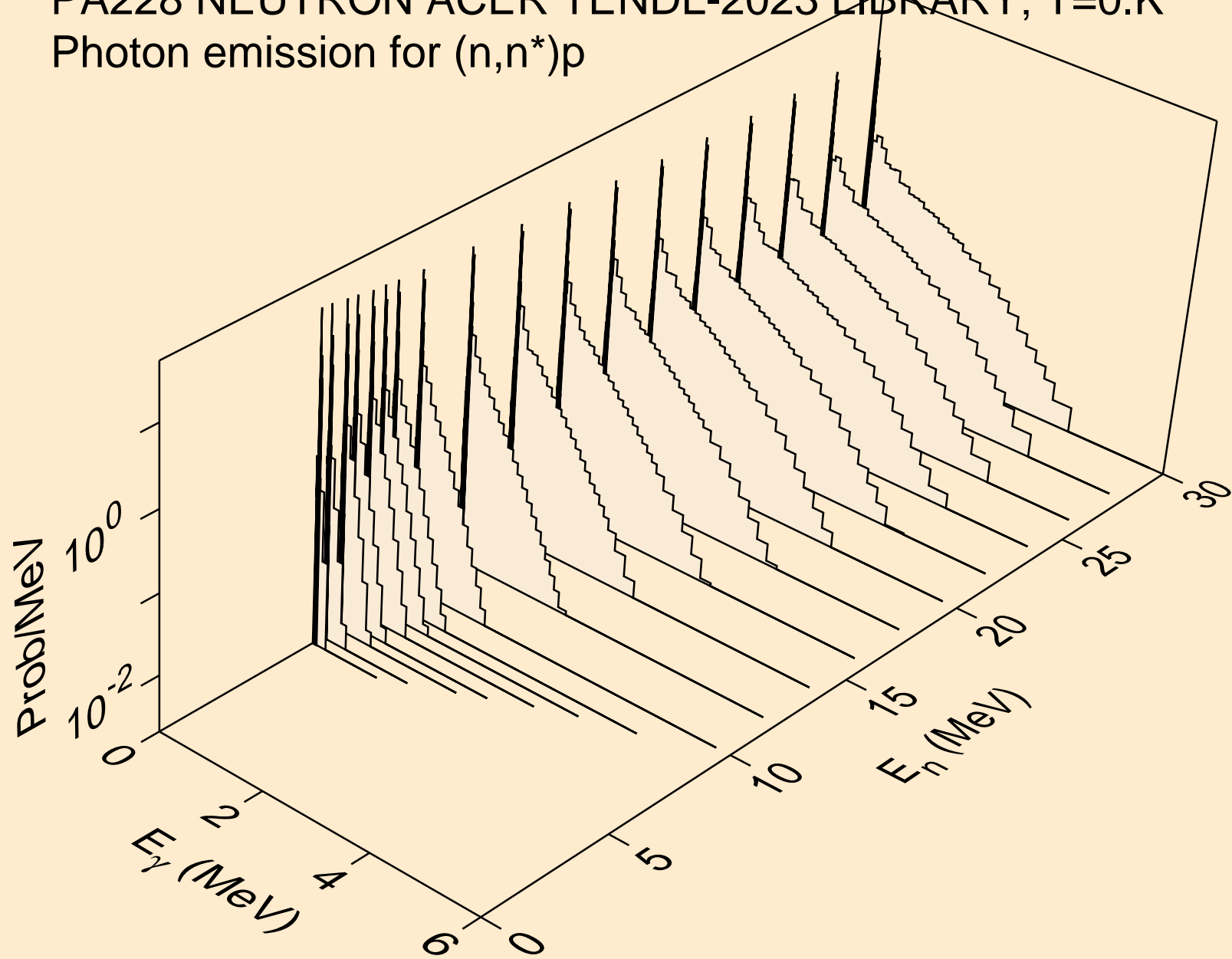


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Photon emission for (n,3n)a

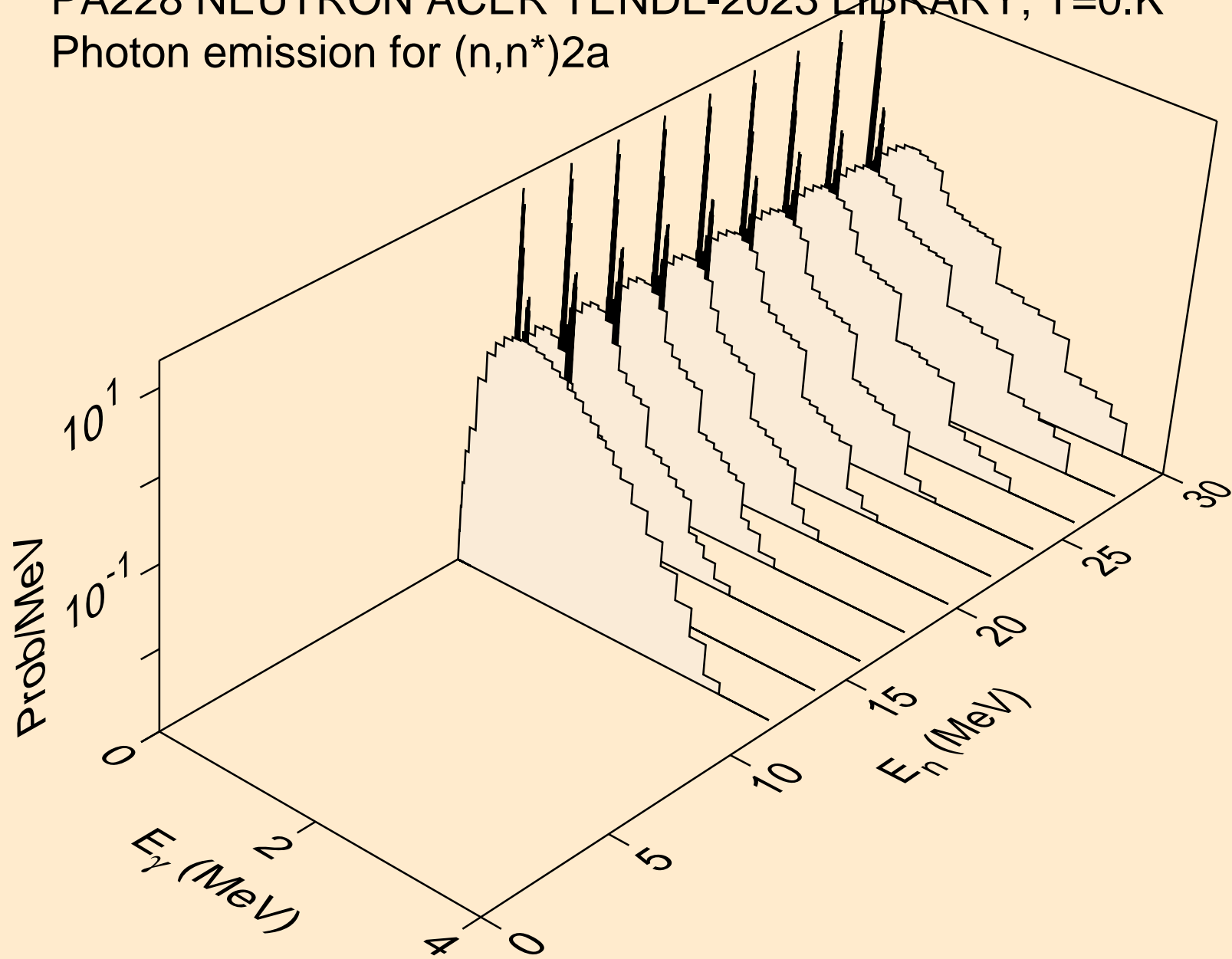




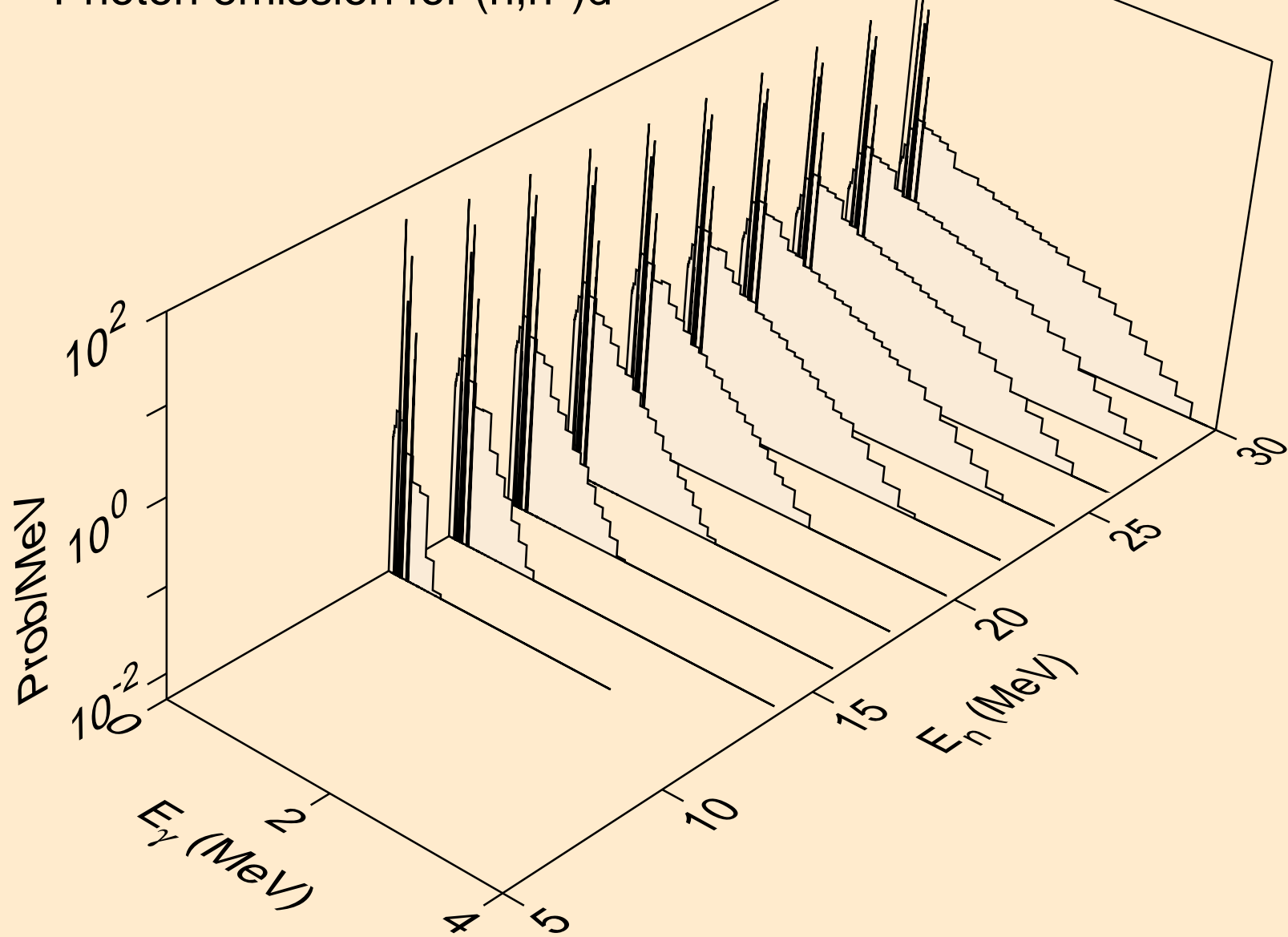
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



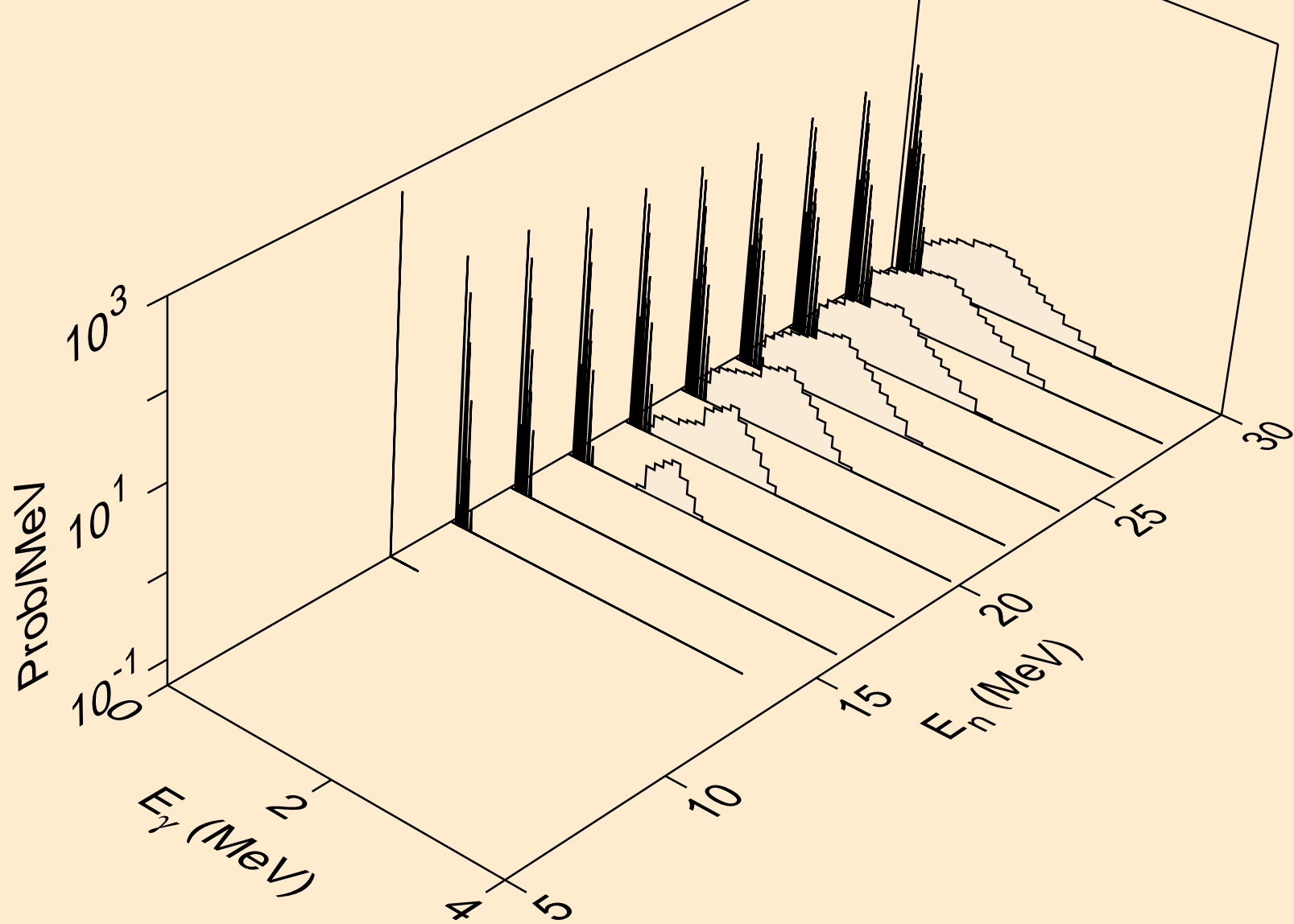
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Photon emission for (n,n\*)2a



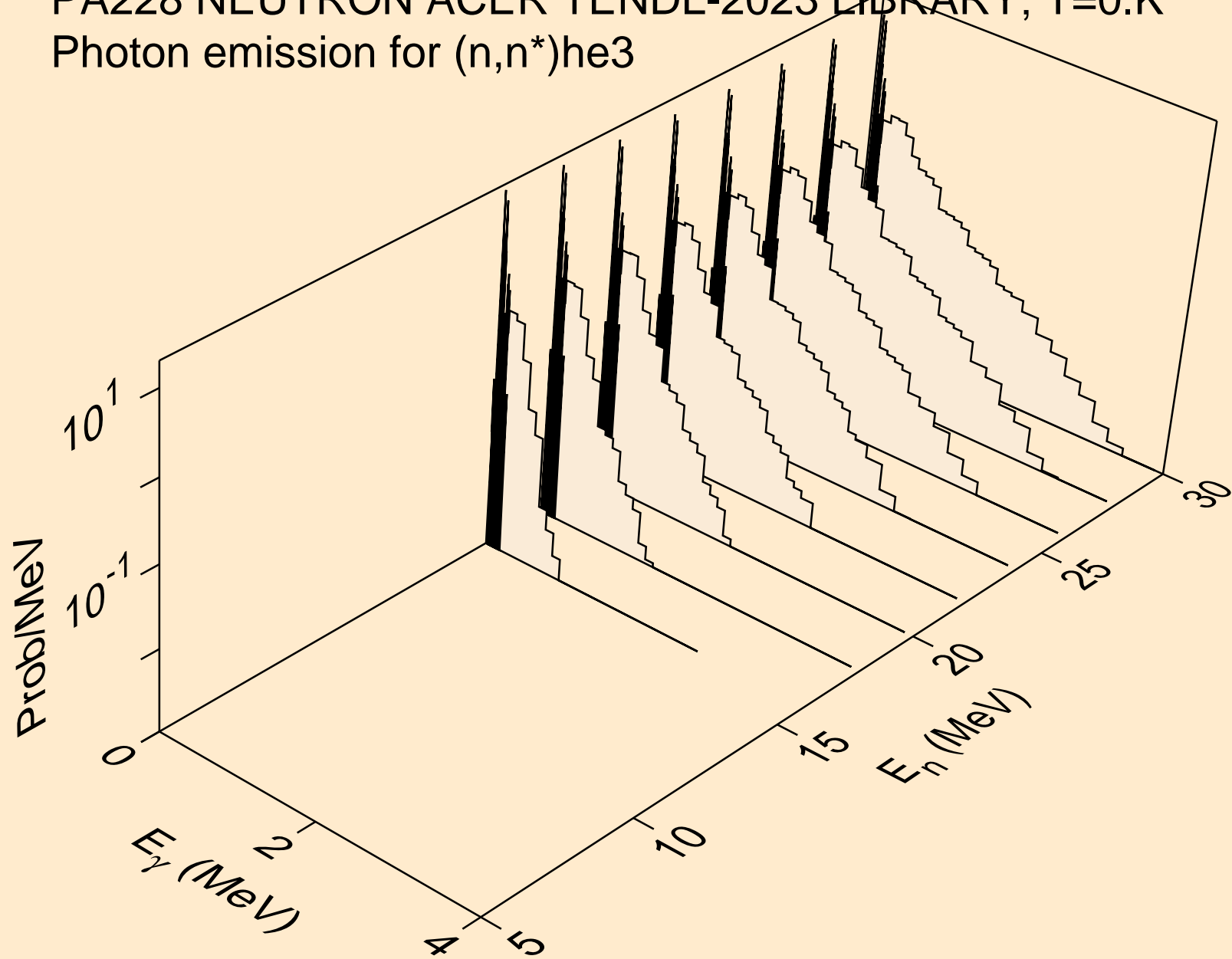
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Photon emission for (n,n\*)d



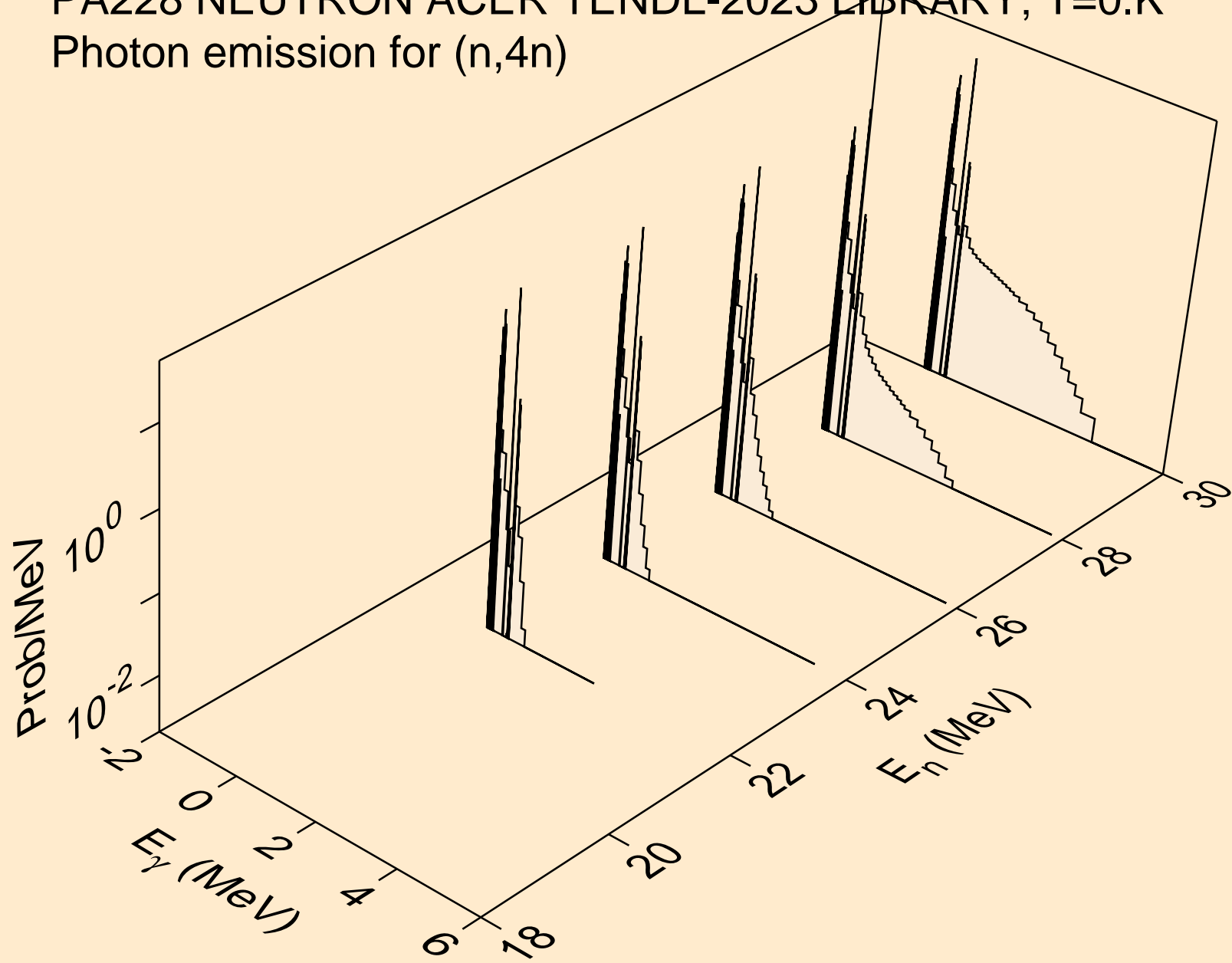
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Photon emission for (n,n\*)t



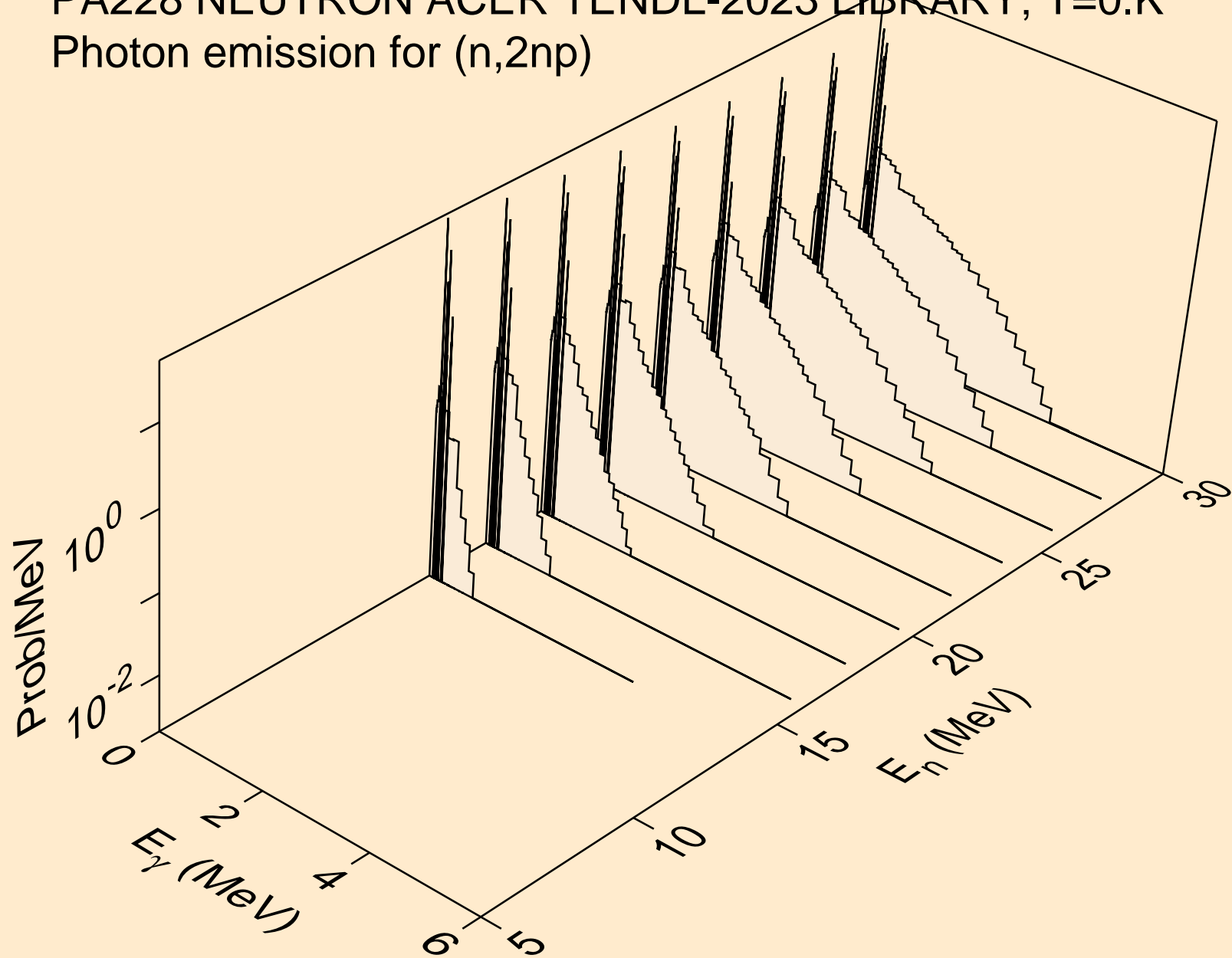
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Photon emission for (n,n\*)he3



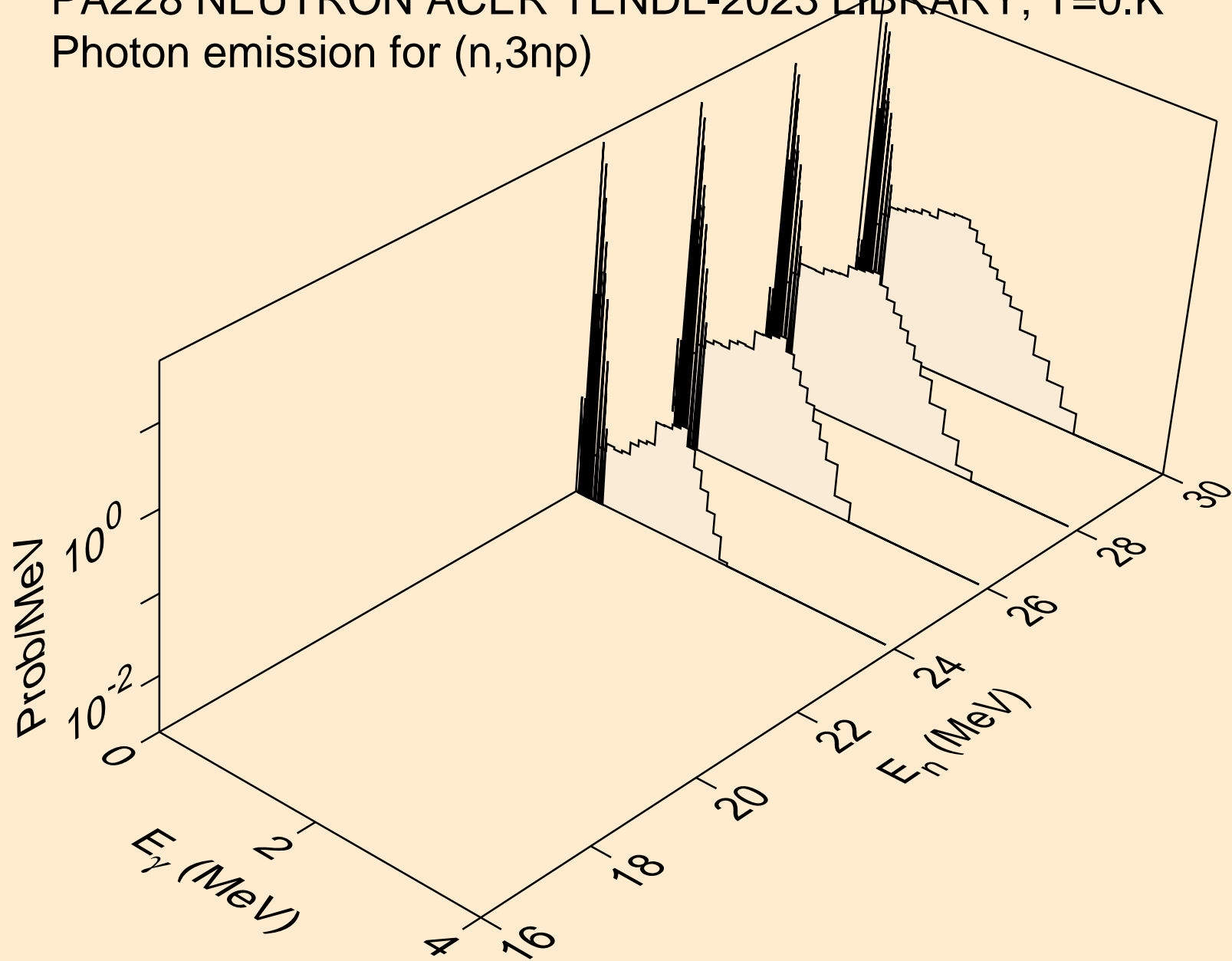
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

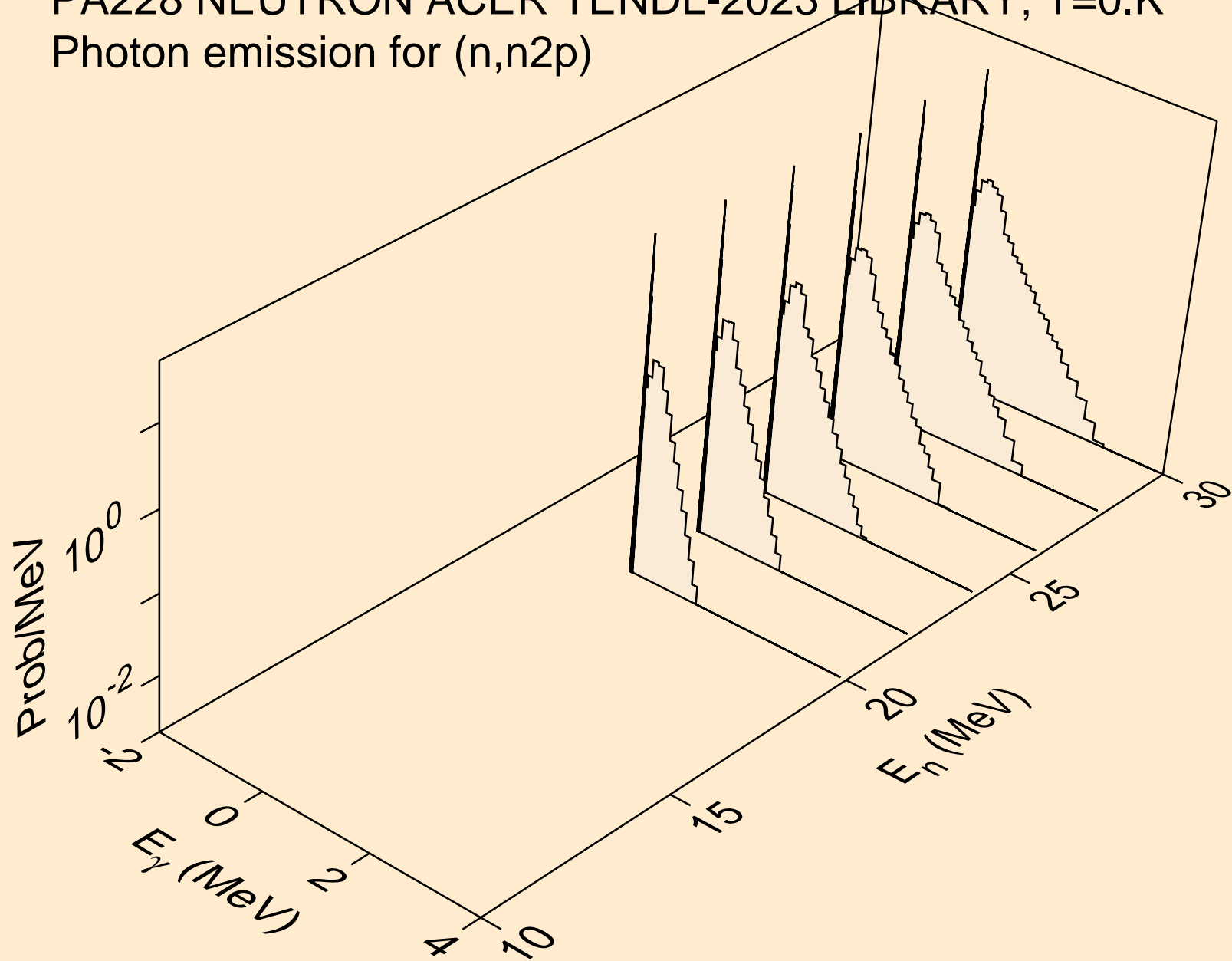


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Photon emission for (n,3np)

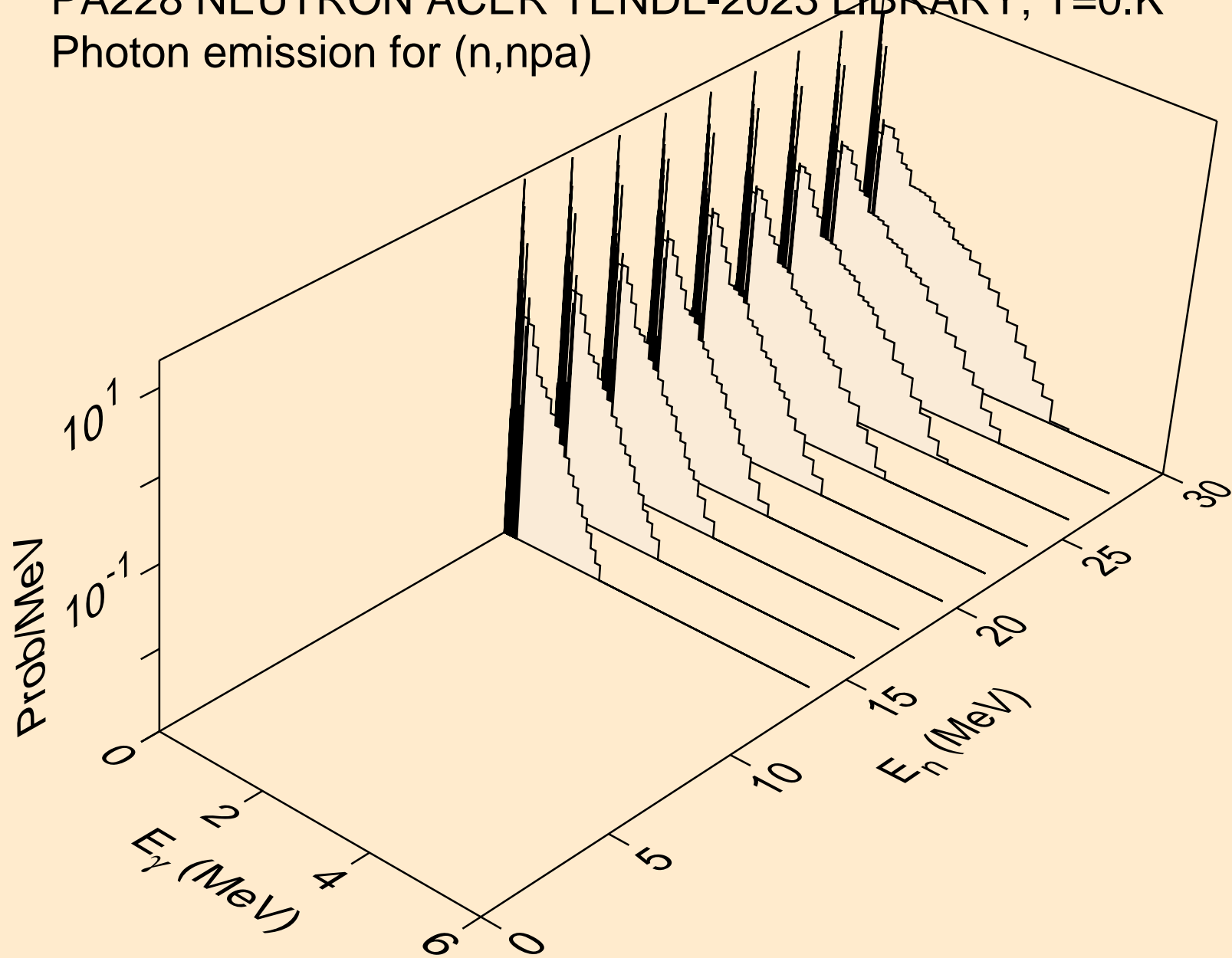




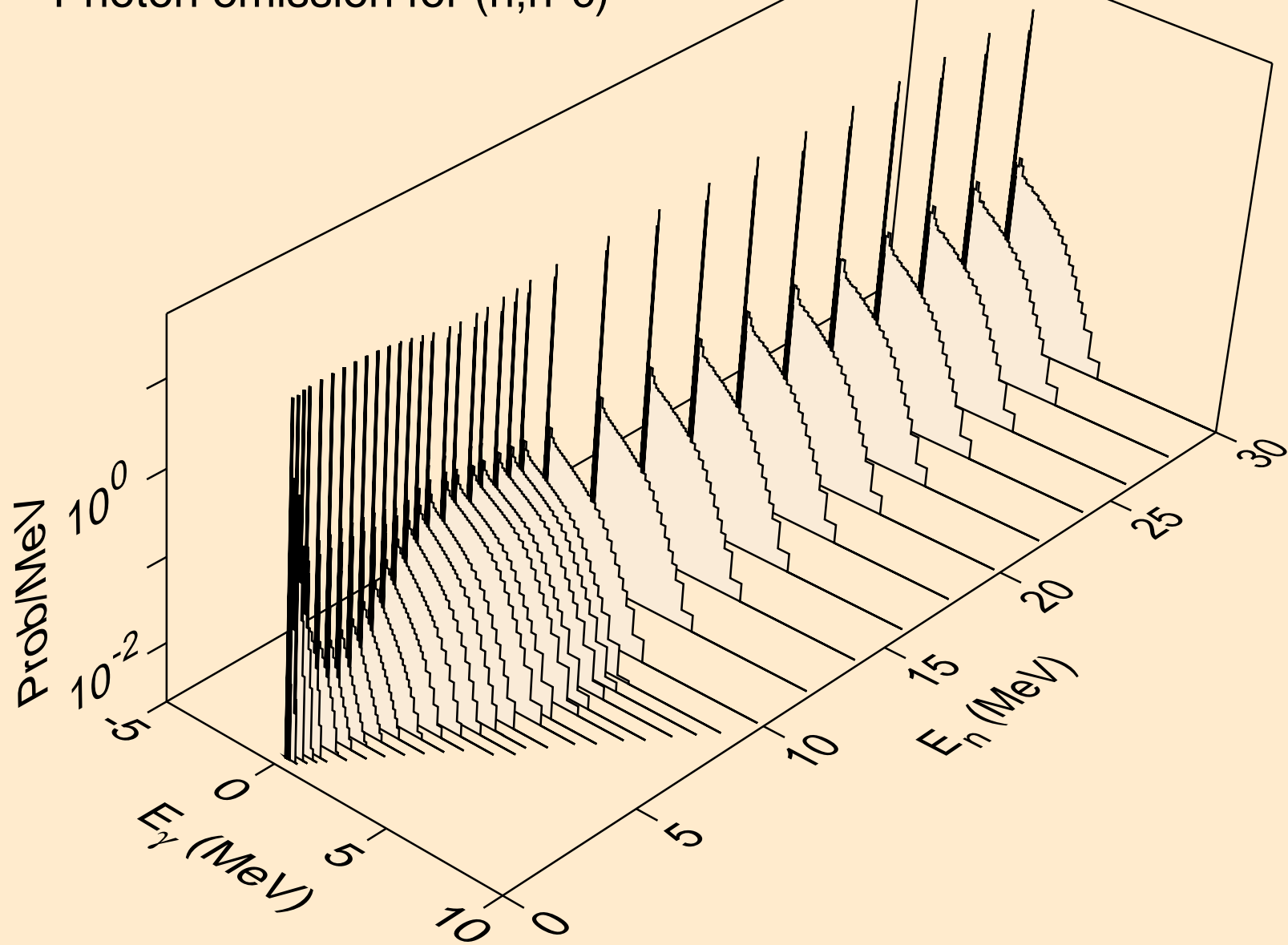
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Photon emission for (n,n2p)



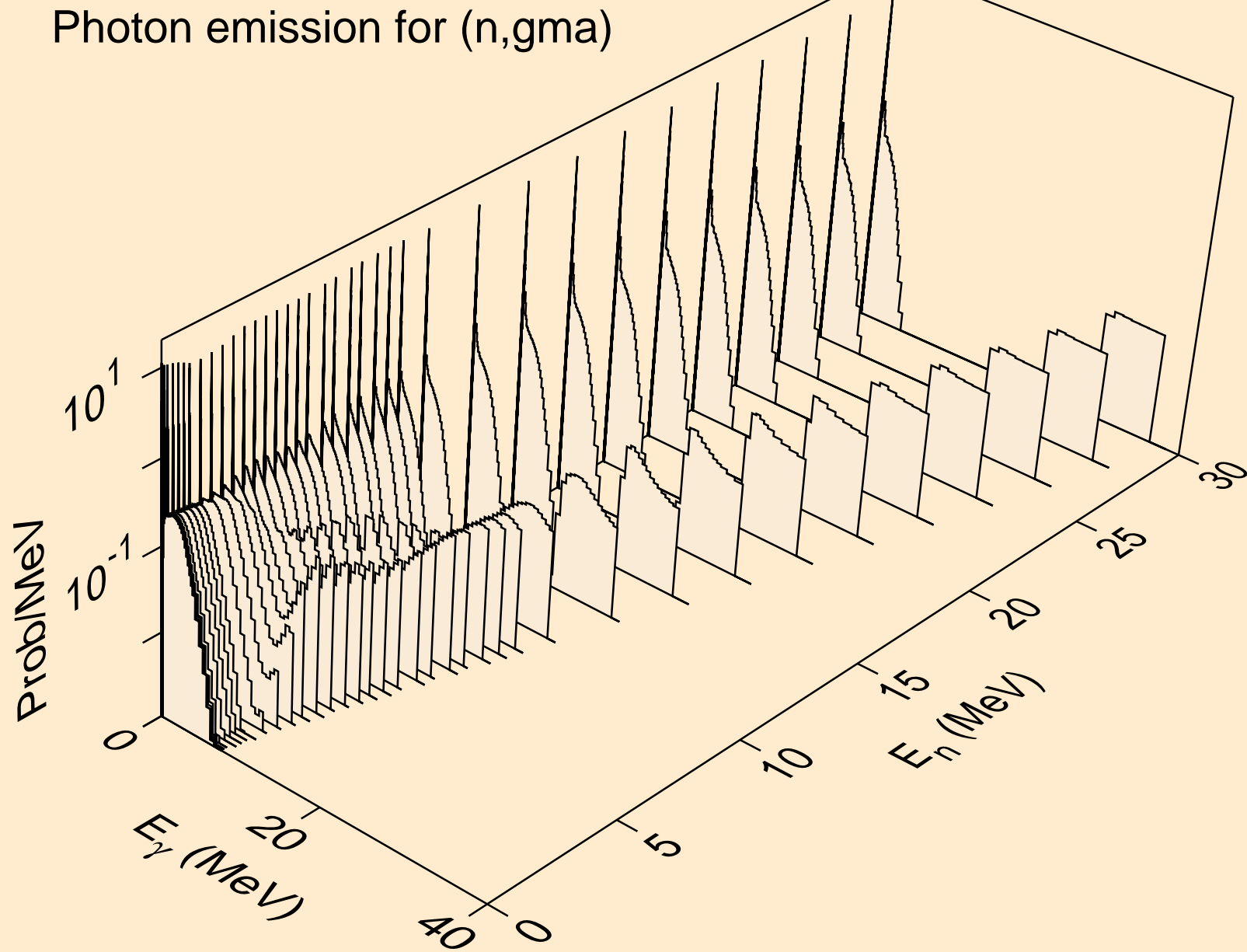
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Photon emission for (n,npa)



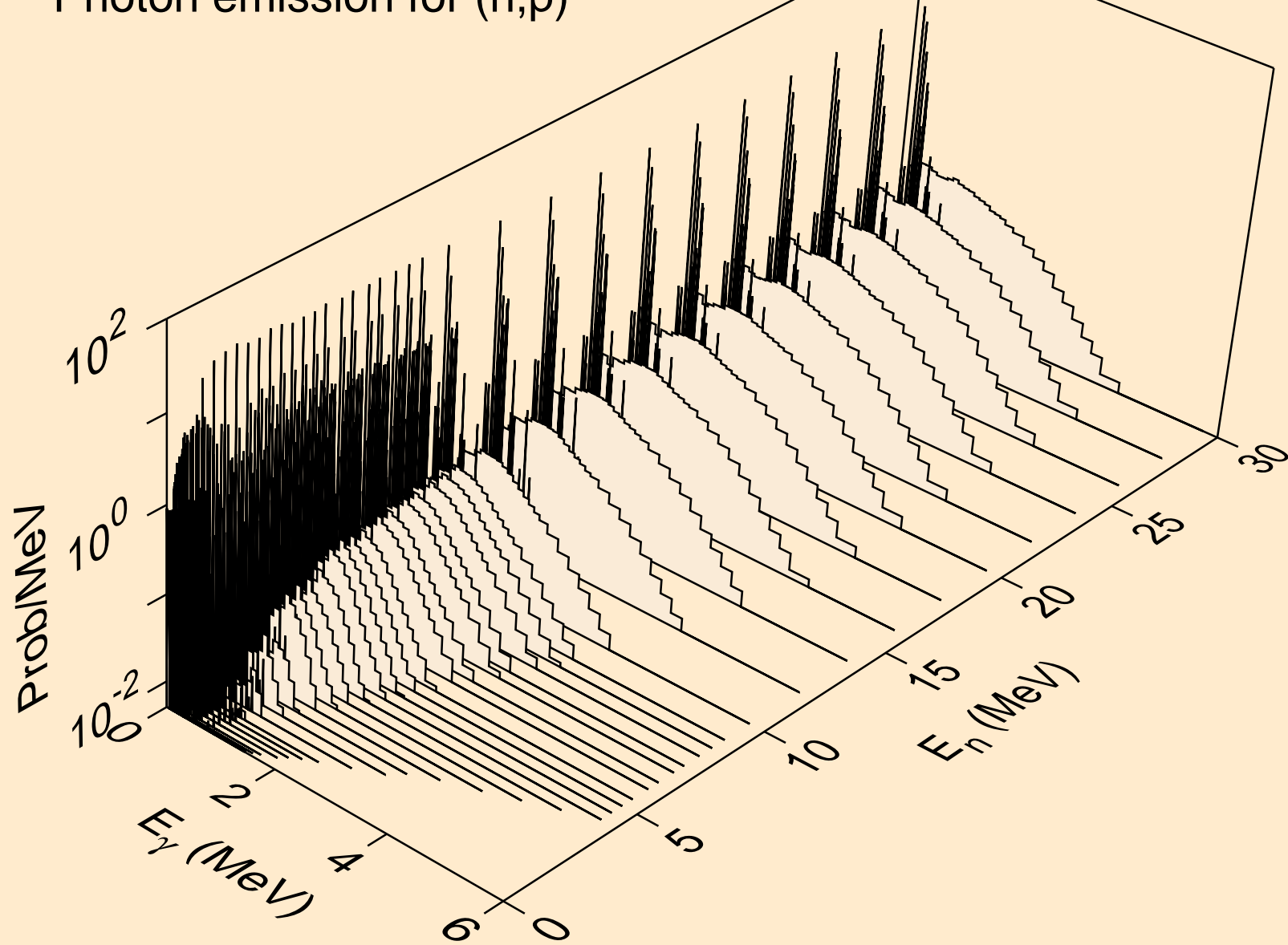
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Photon emission for (n,n\*c)



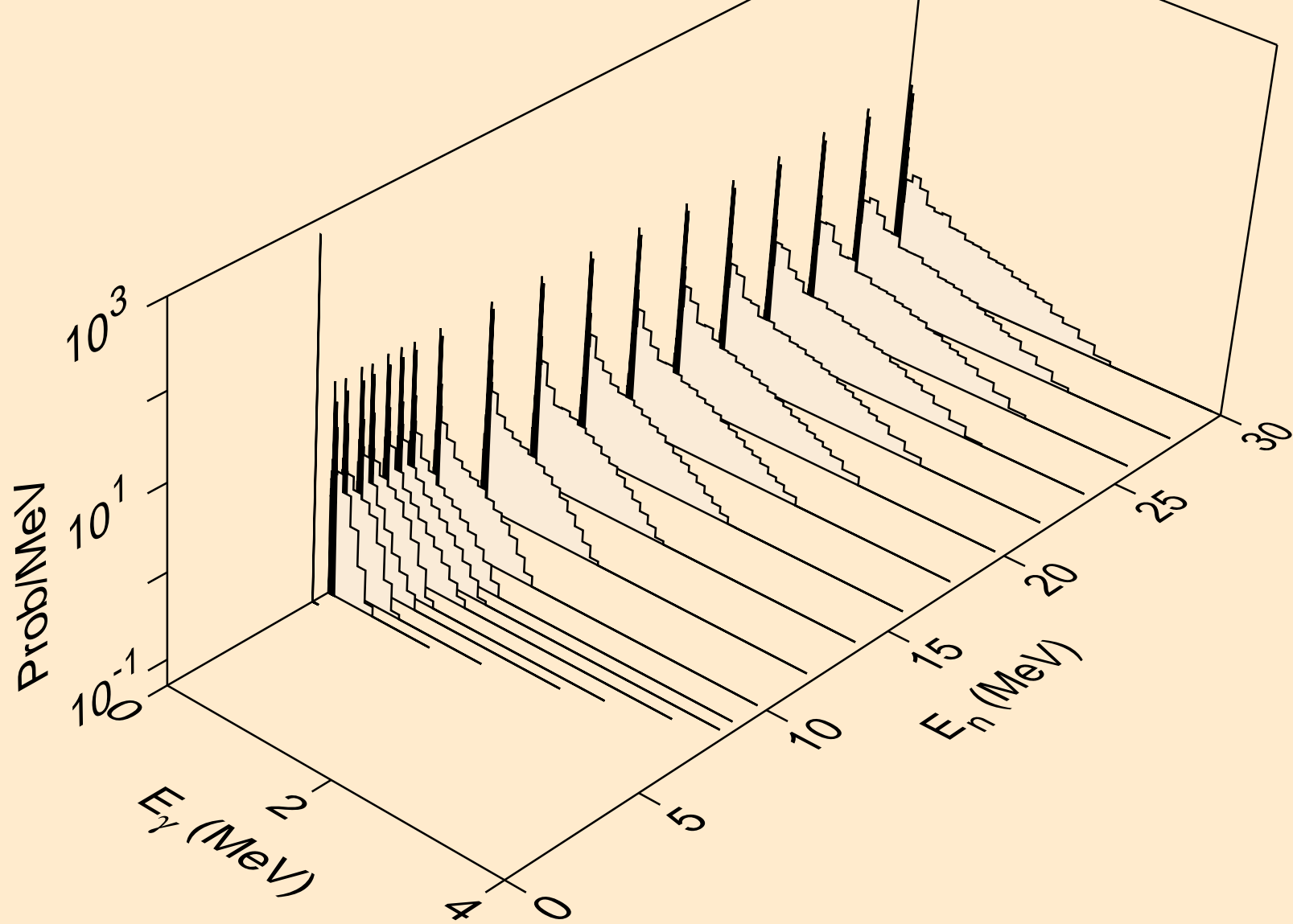
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Photon emission for (n,gma)



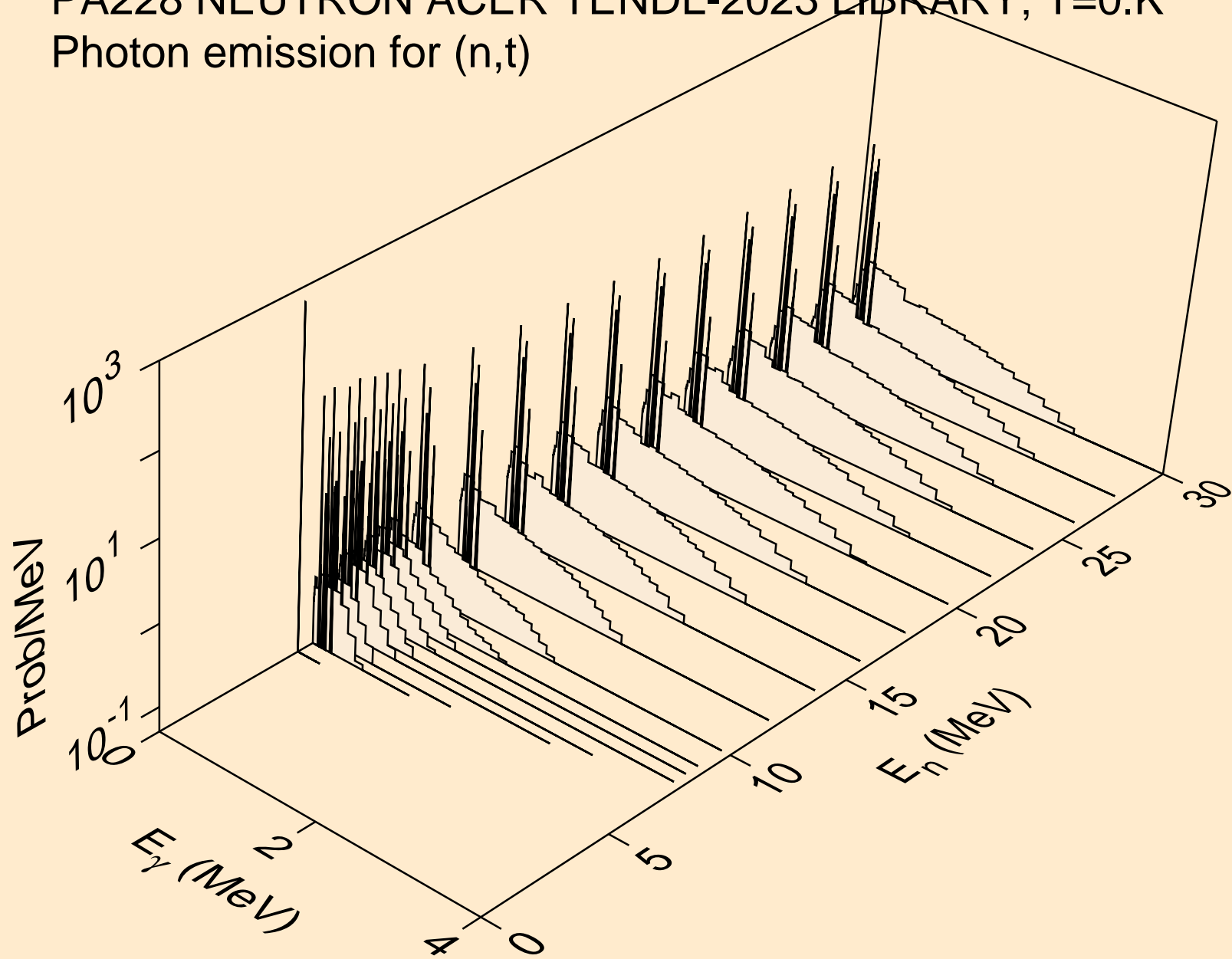
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Photon emission for (n,p)



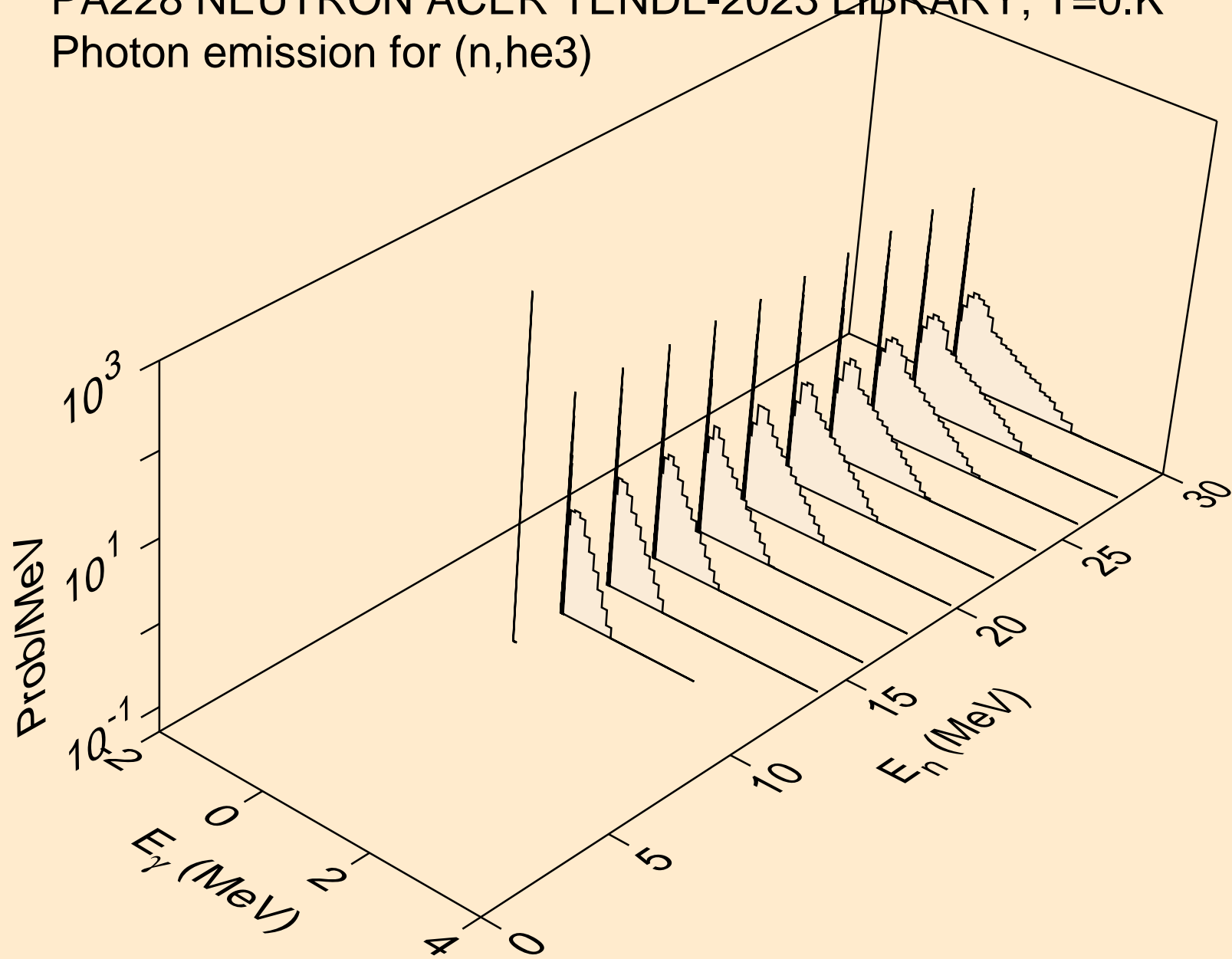
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Photon emission for (n,d)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

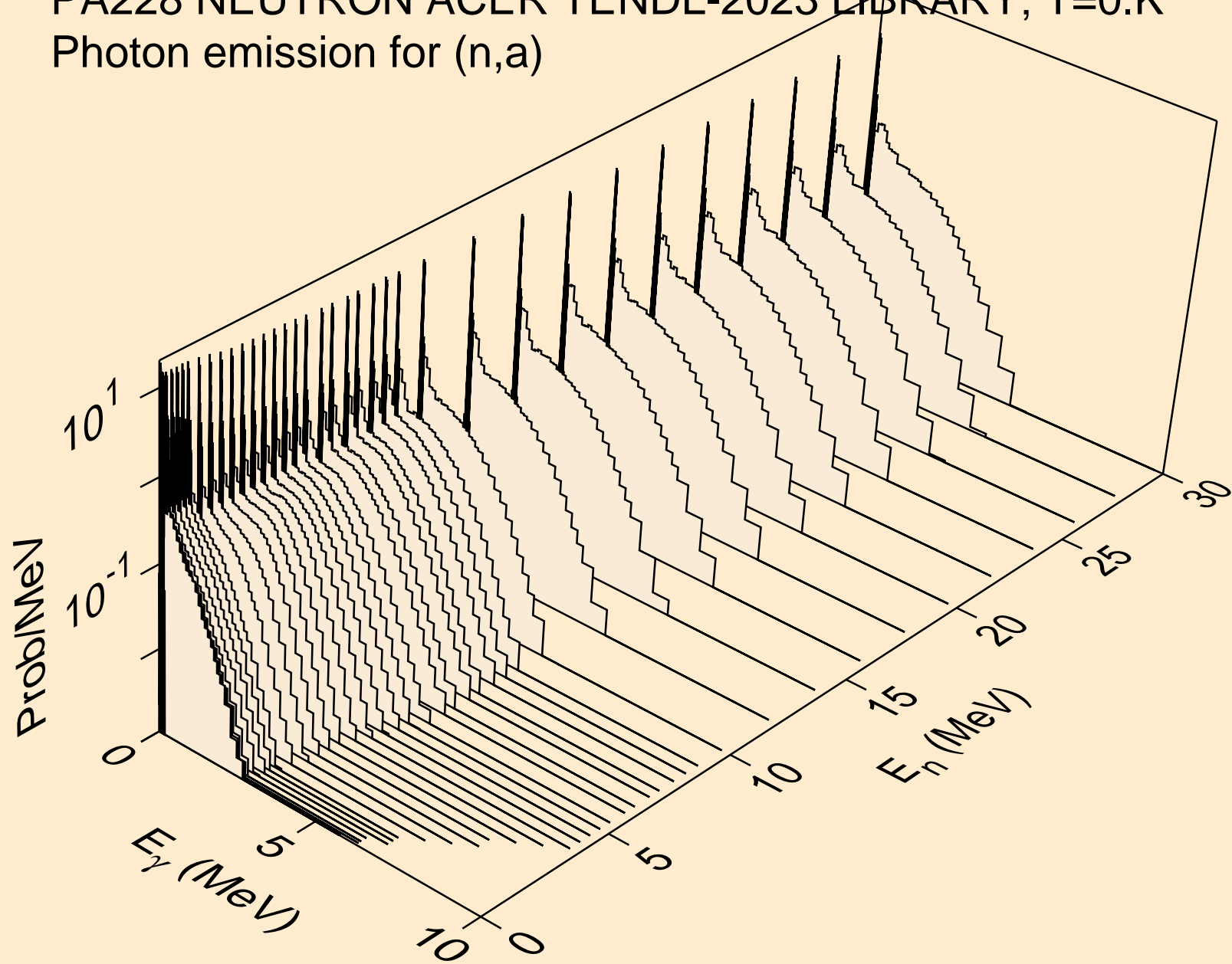


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Photon emission for (n,he3)

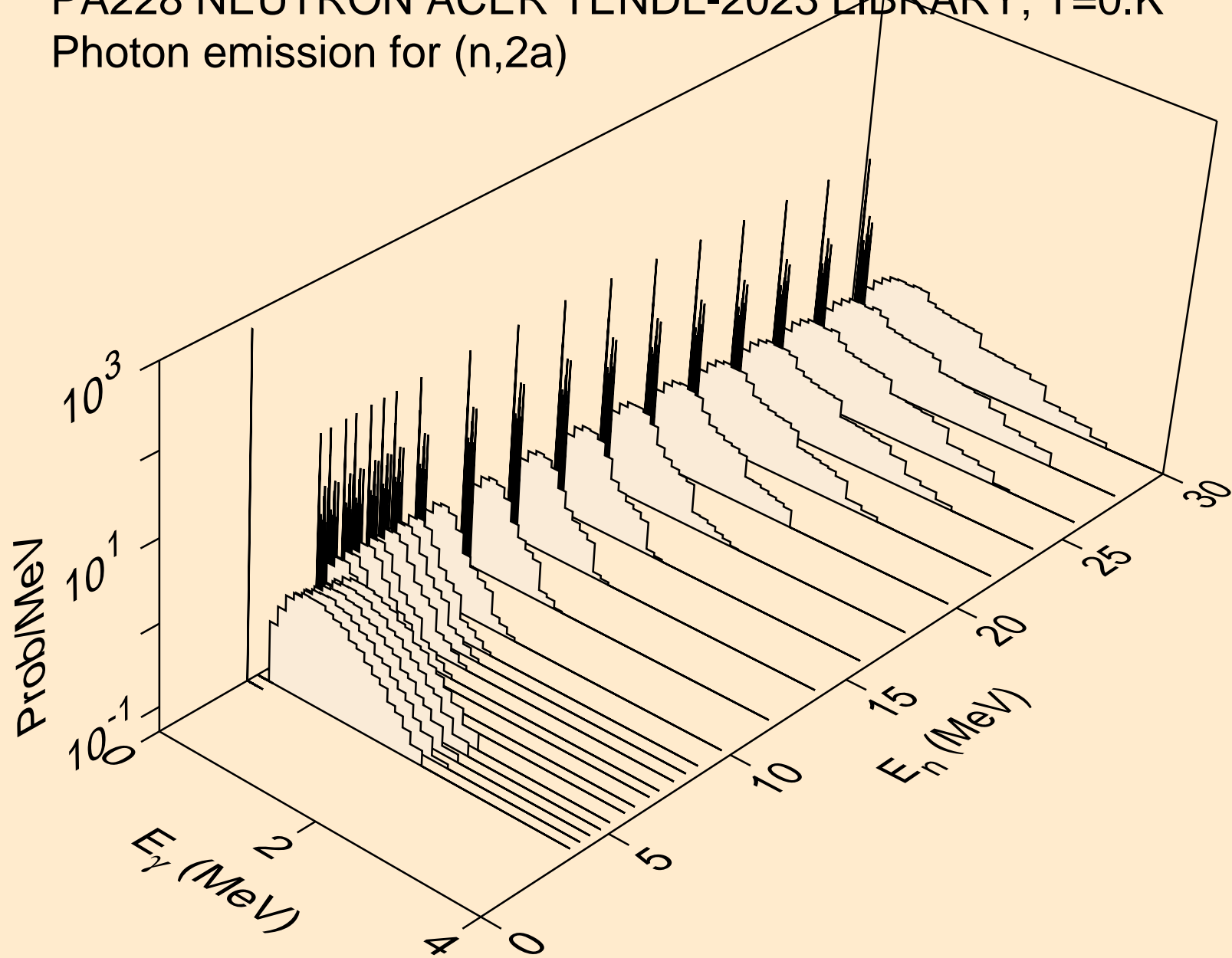




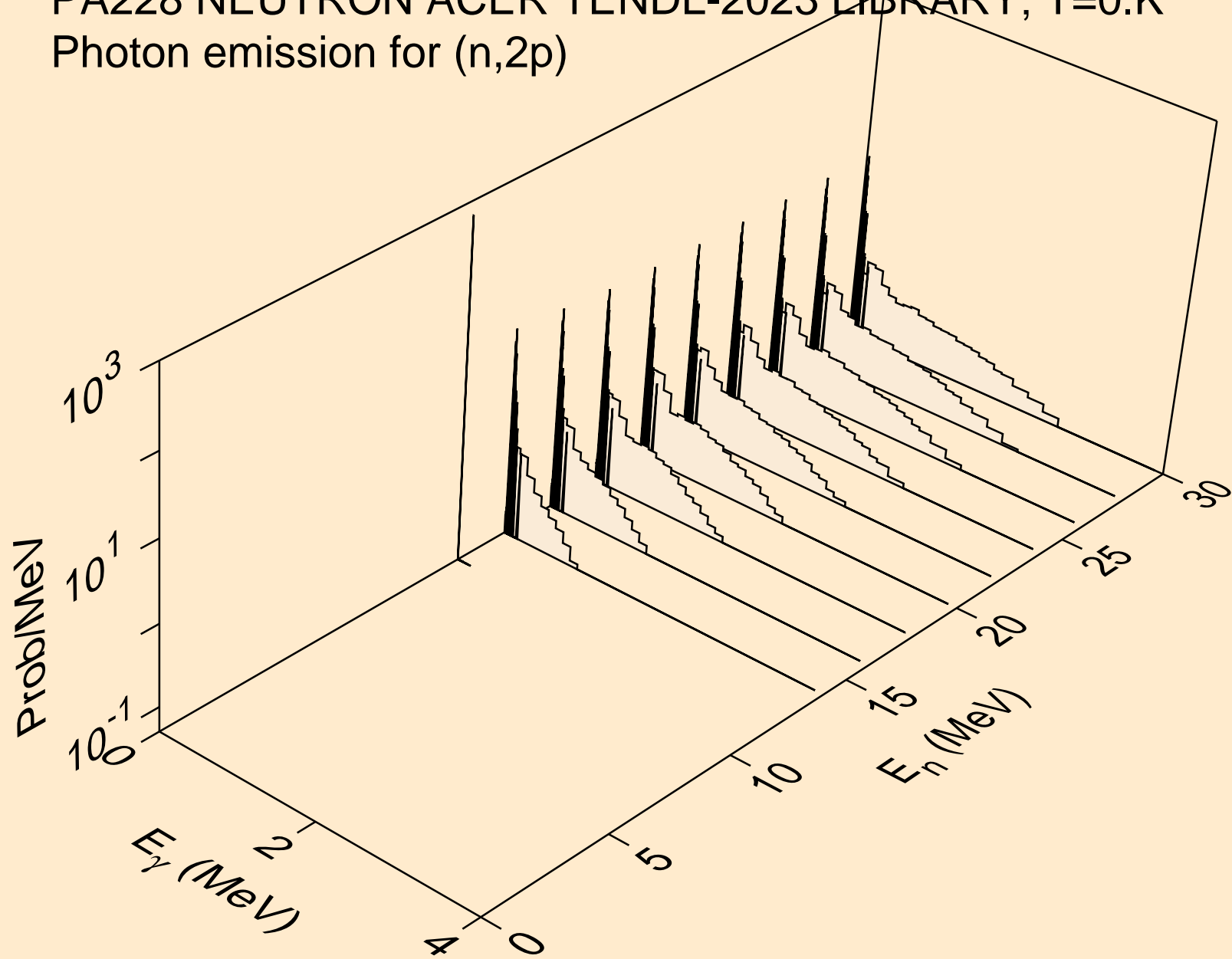
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Photon emission for (n,a)



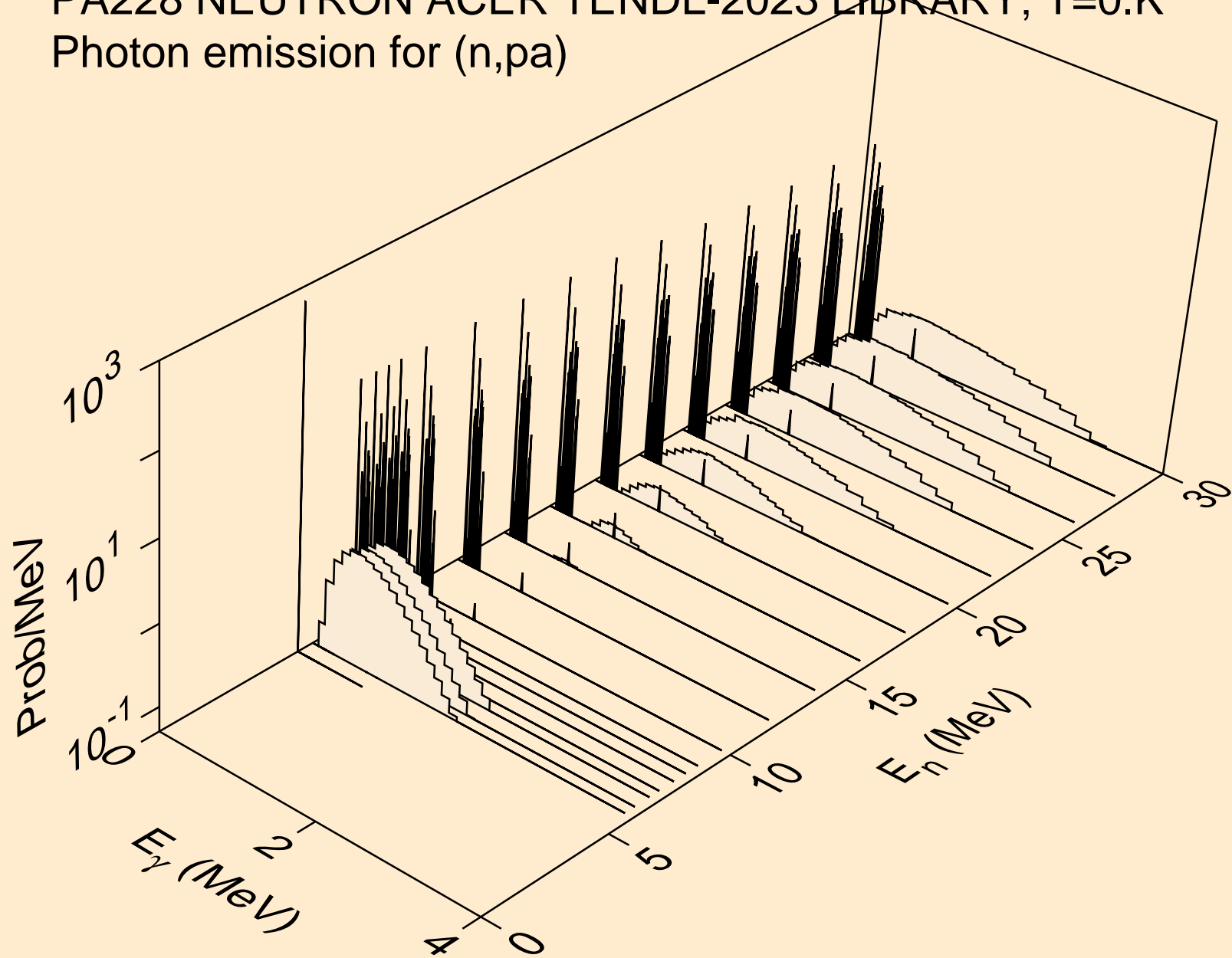
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Photon emission for (n,2a)



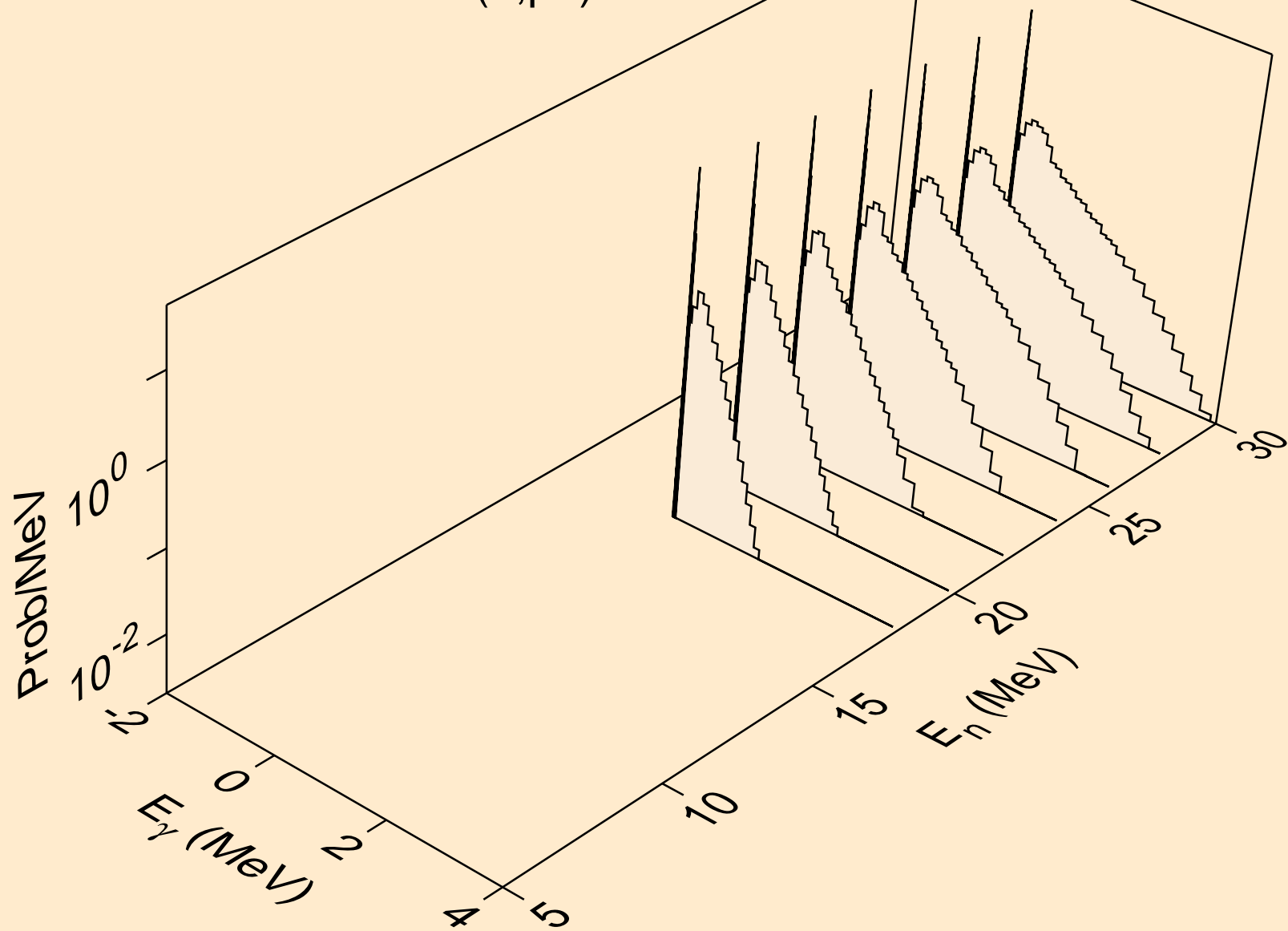
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Photon emission for (n,2p)



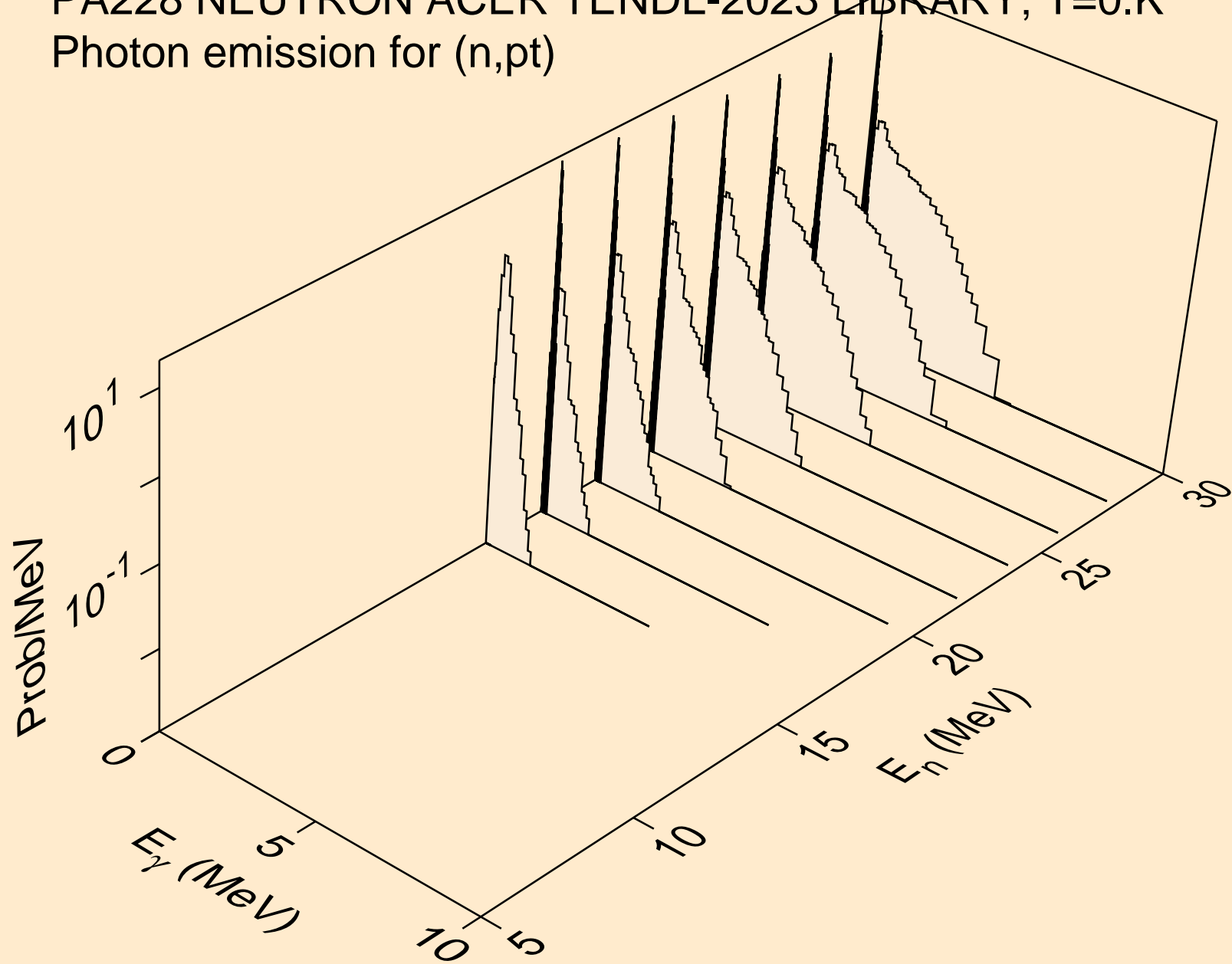
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Photon emission for (n,p $\alpha$ )



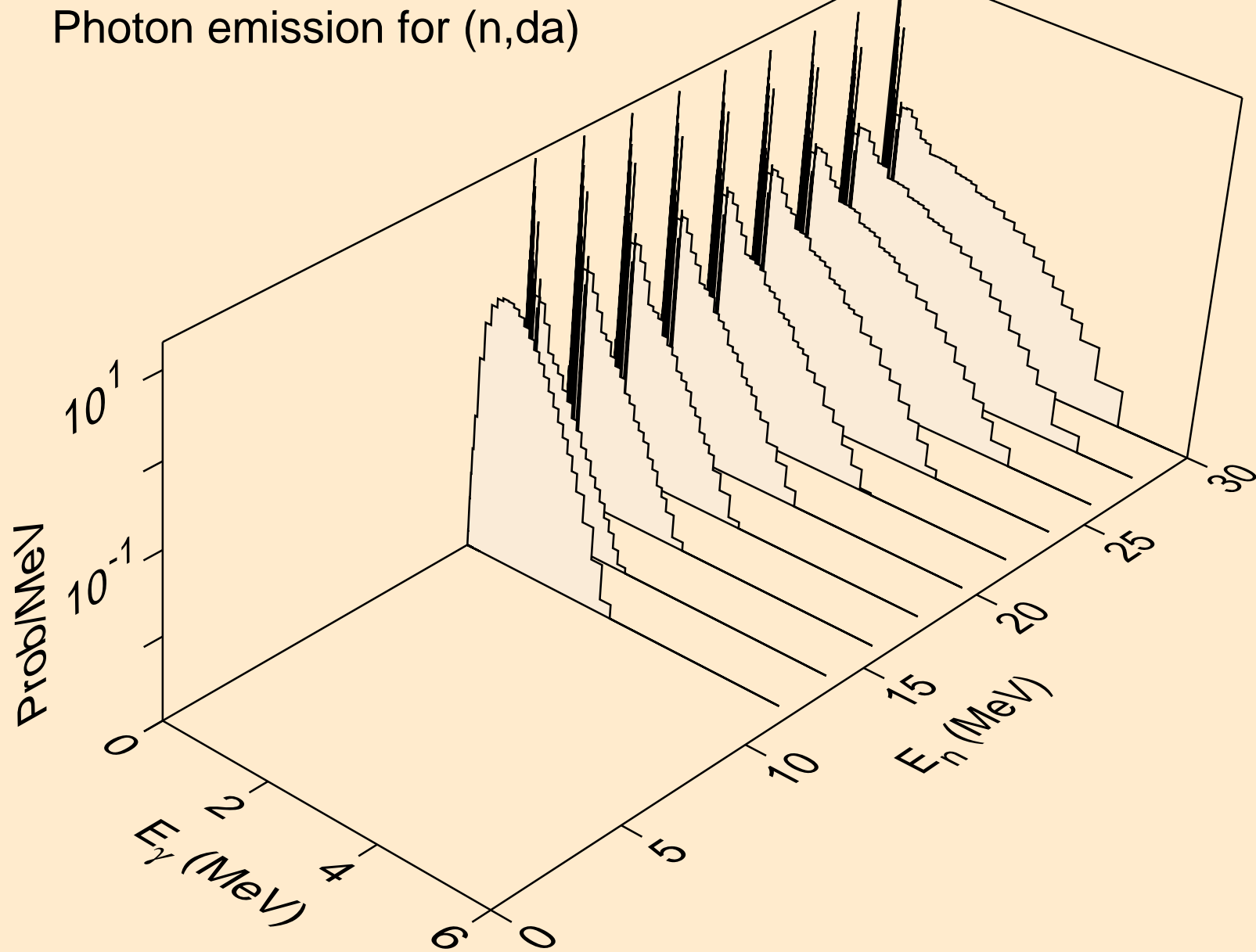
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Photon emission for (n,pd)



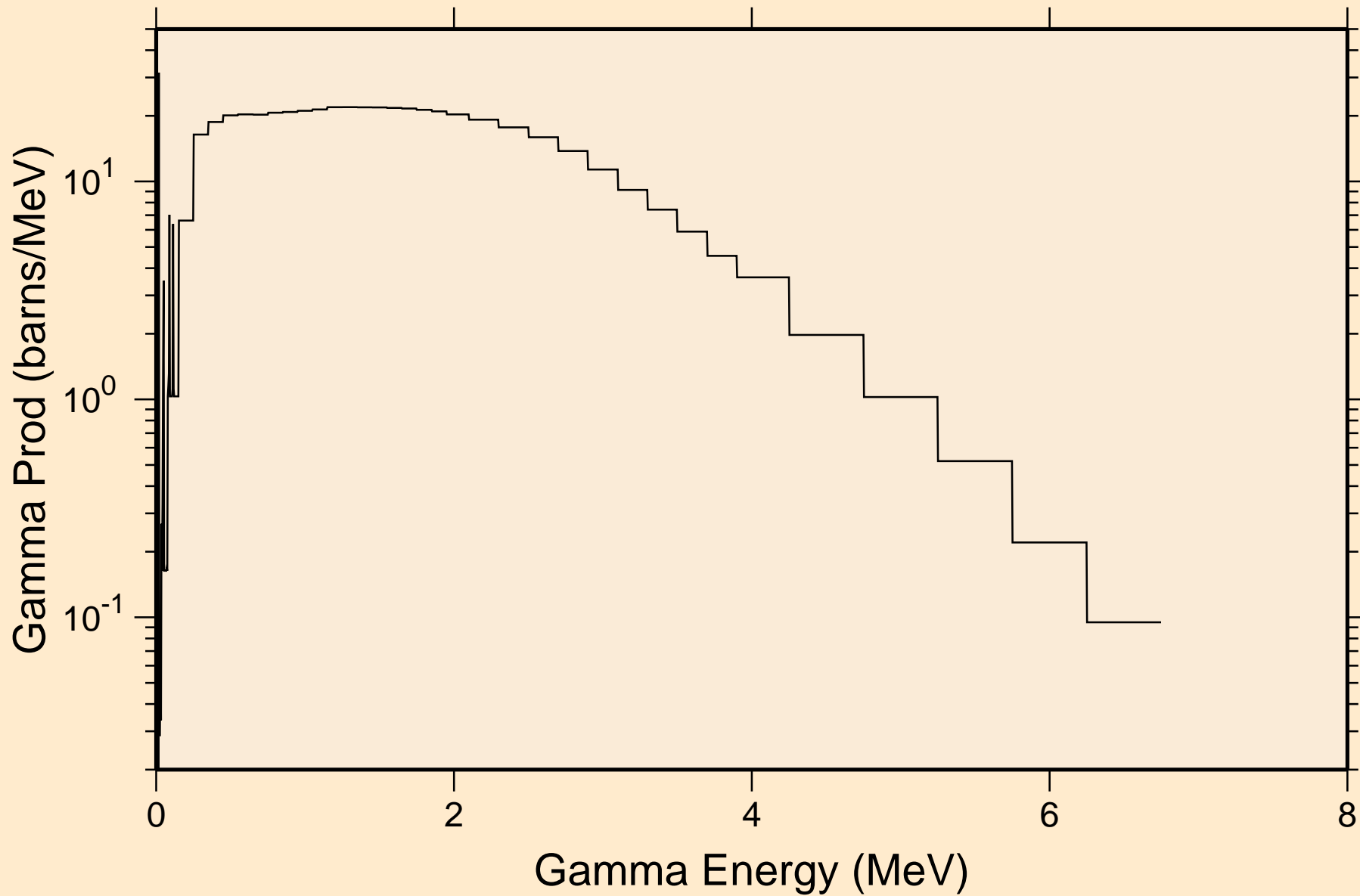
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Photon emission for (n,pt)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

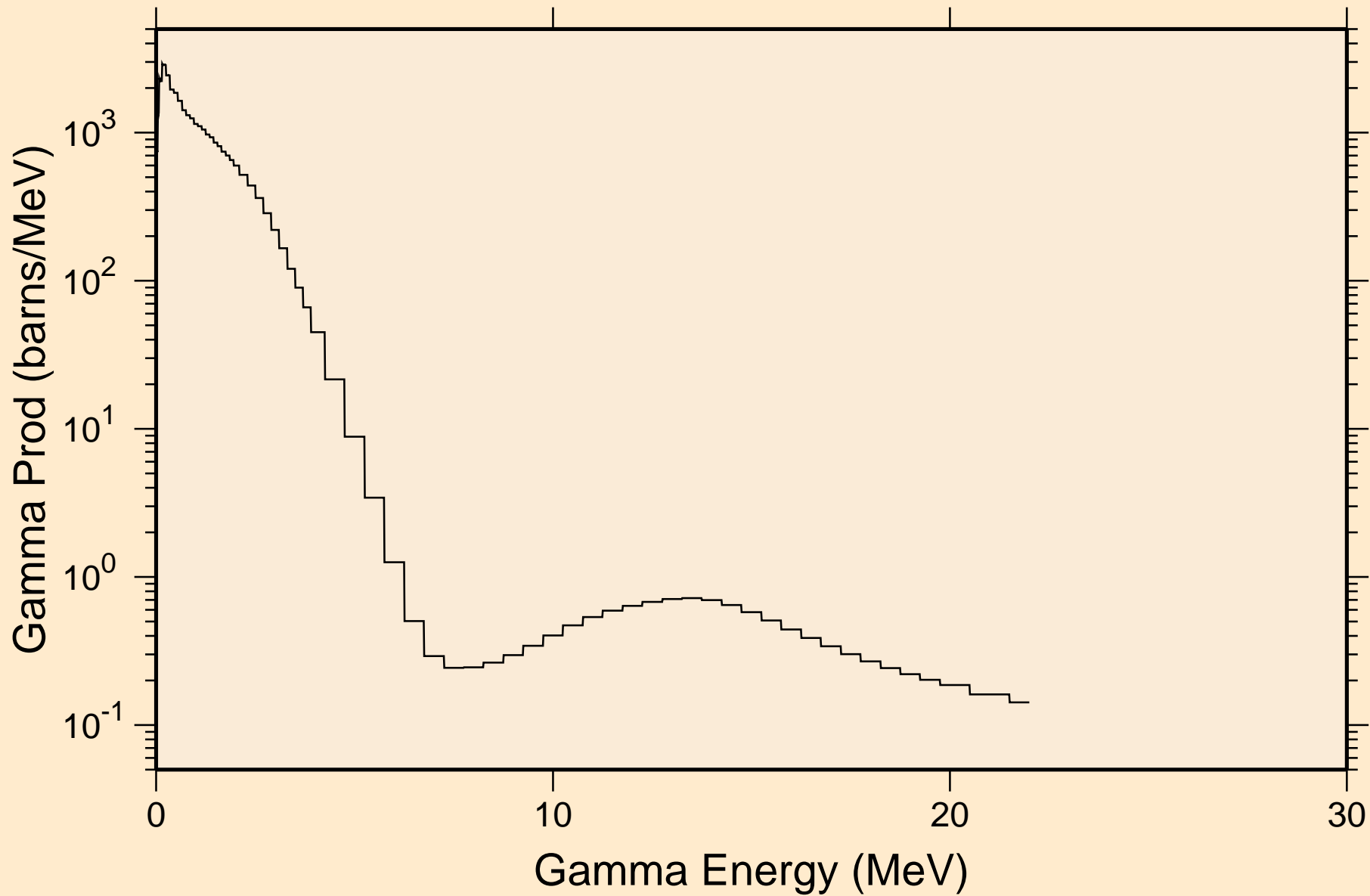


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

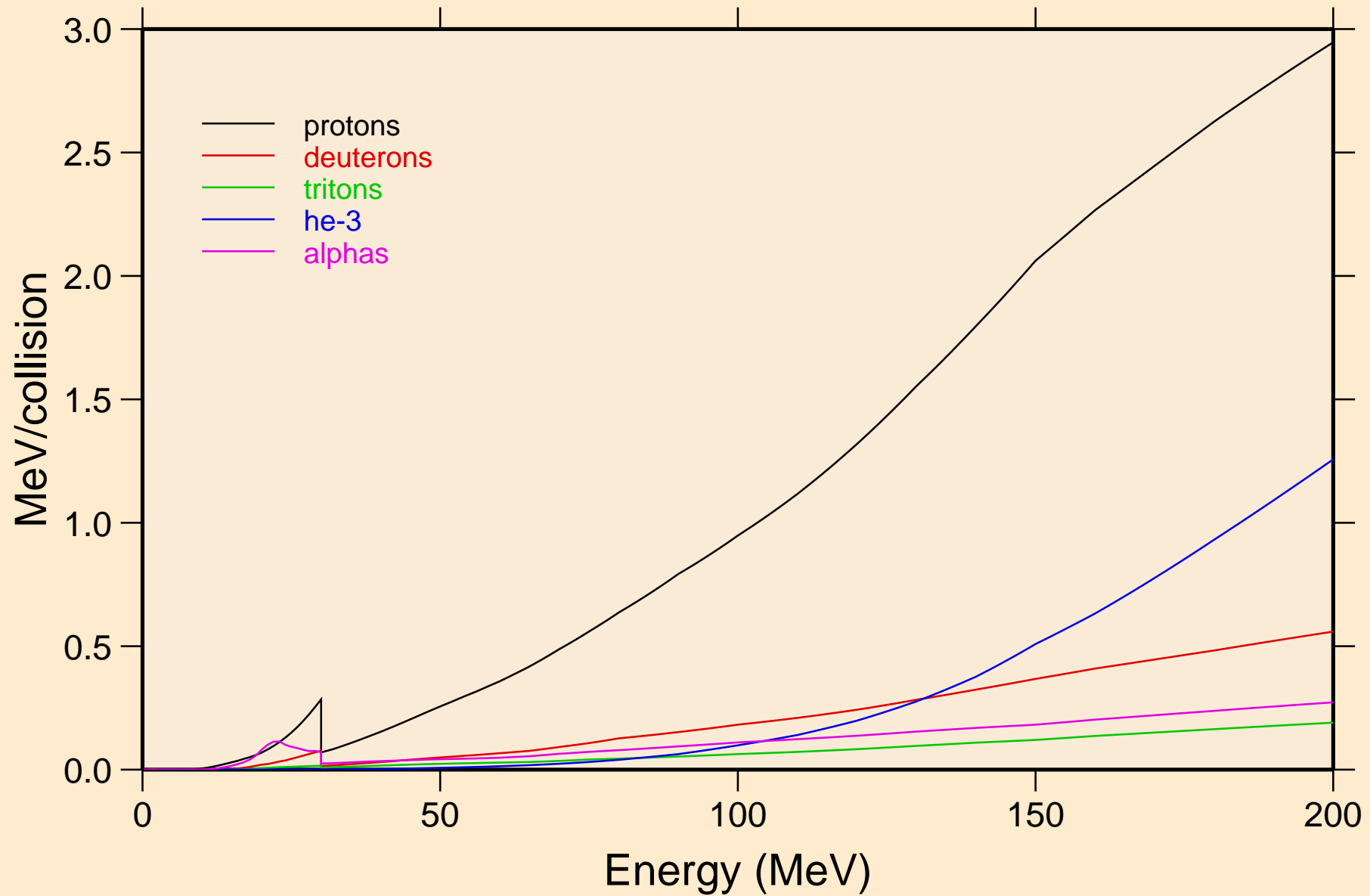




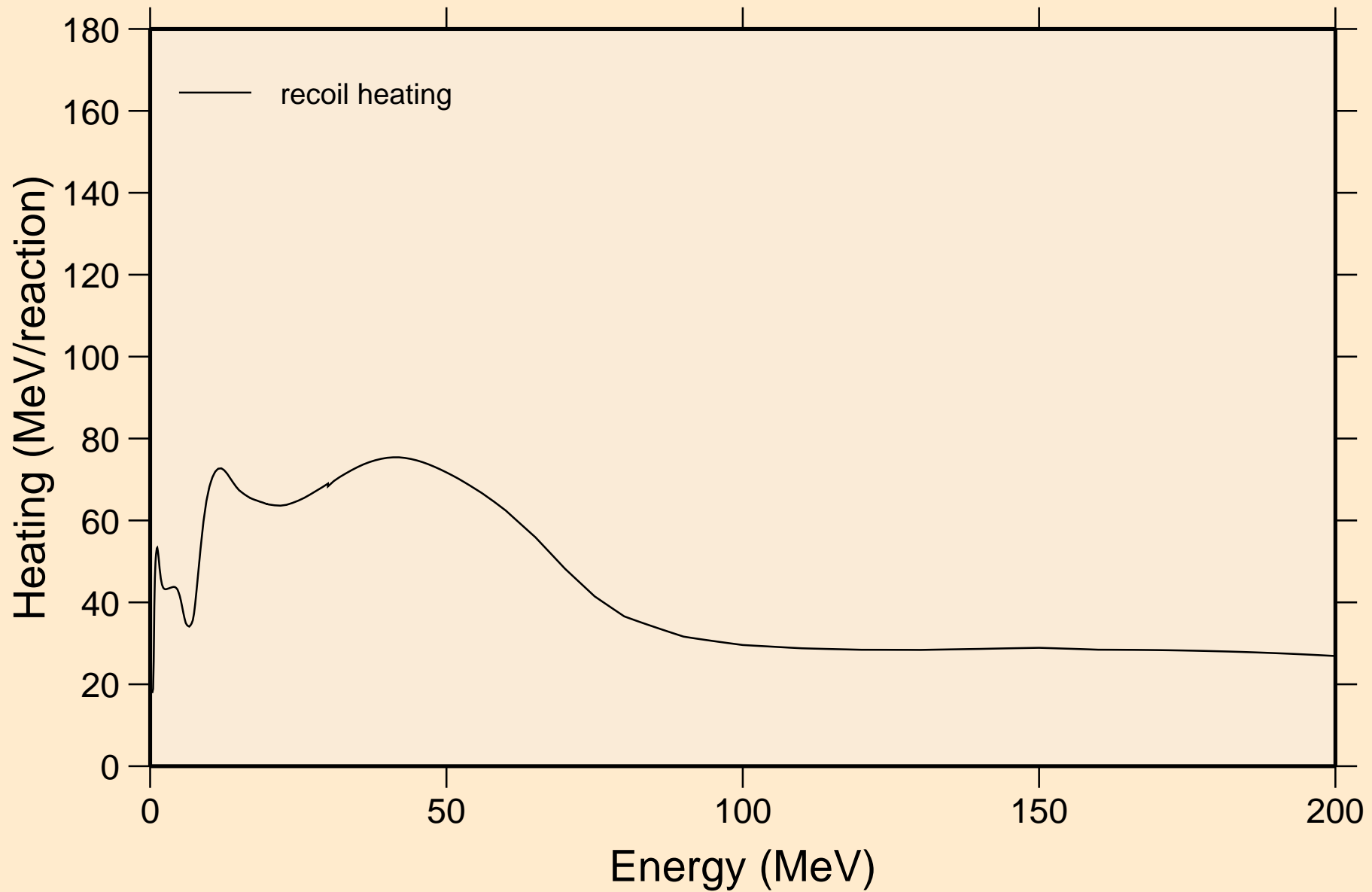
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14 MeV photon spectrum



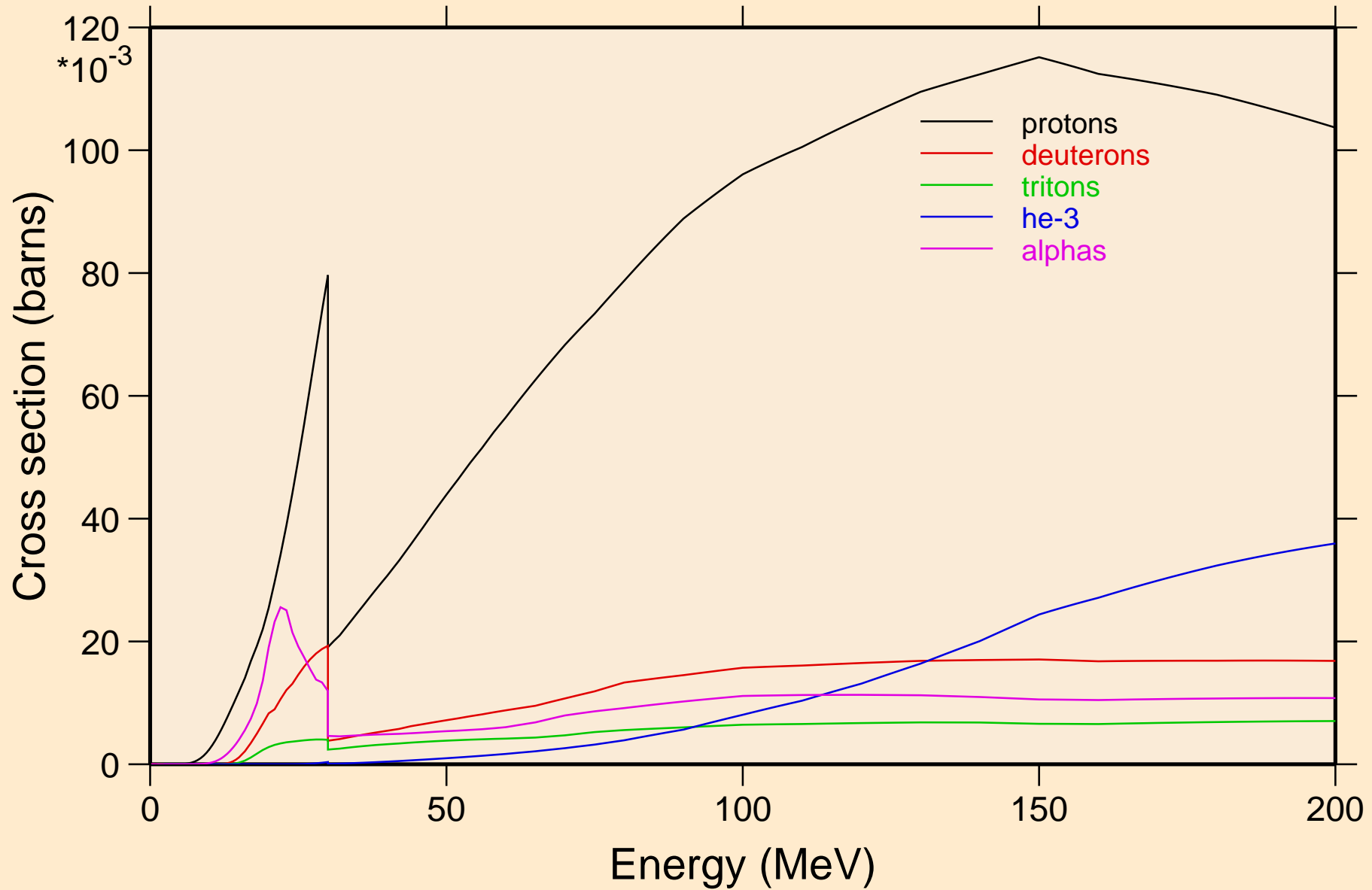
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Particle heating contributions



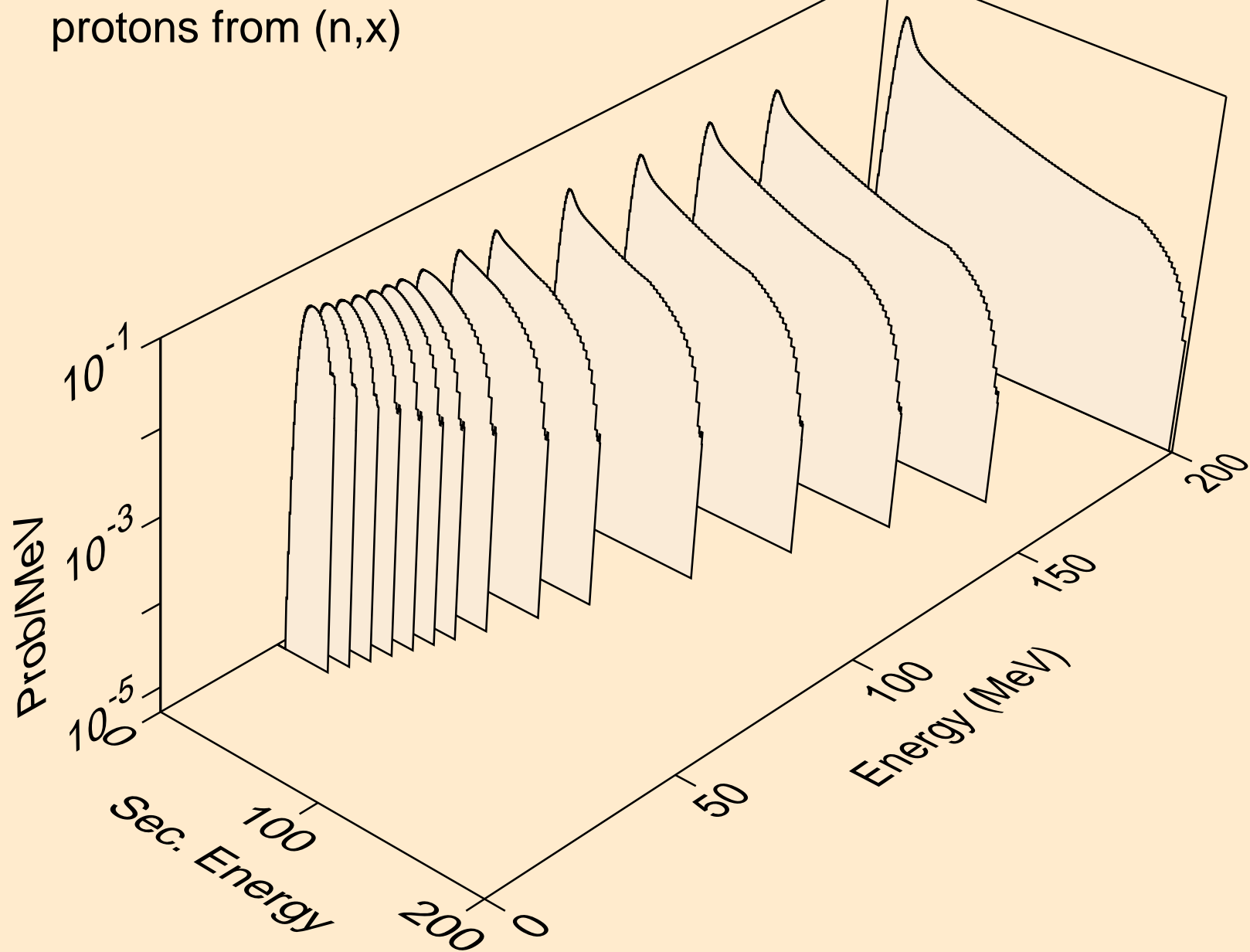
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Recoil Heating



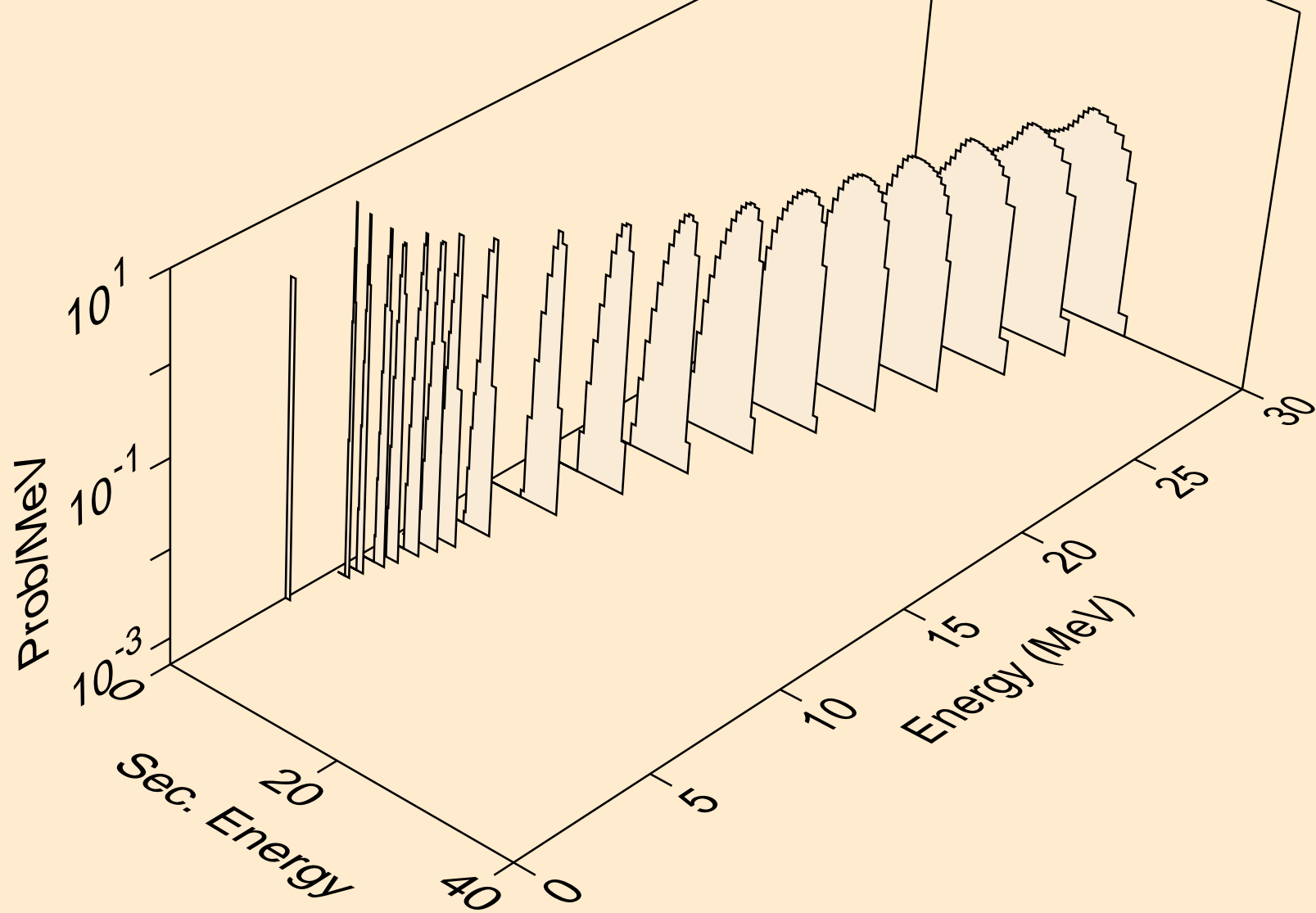
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Particle production cross sections



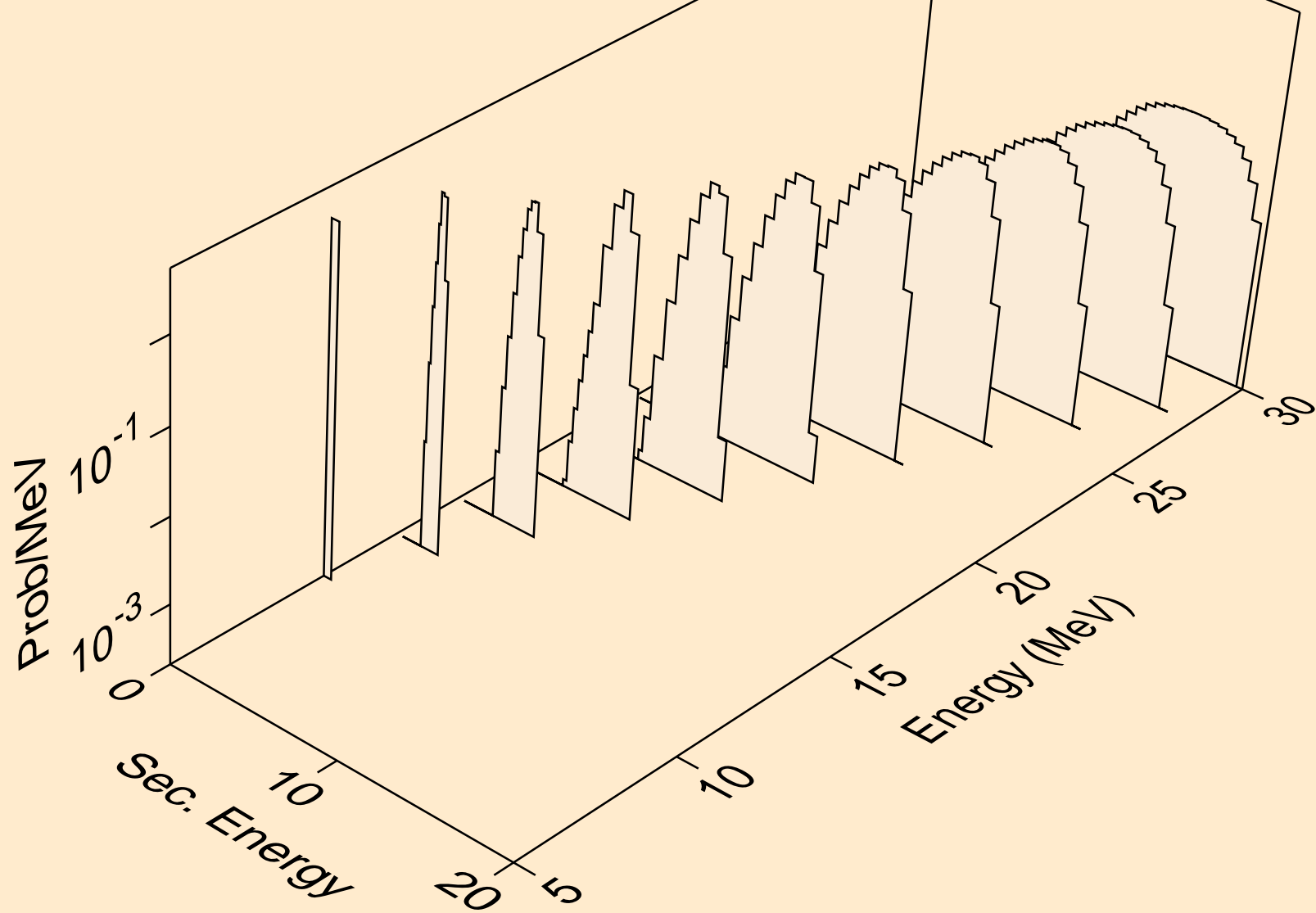
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protons from (n,x)



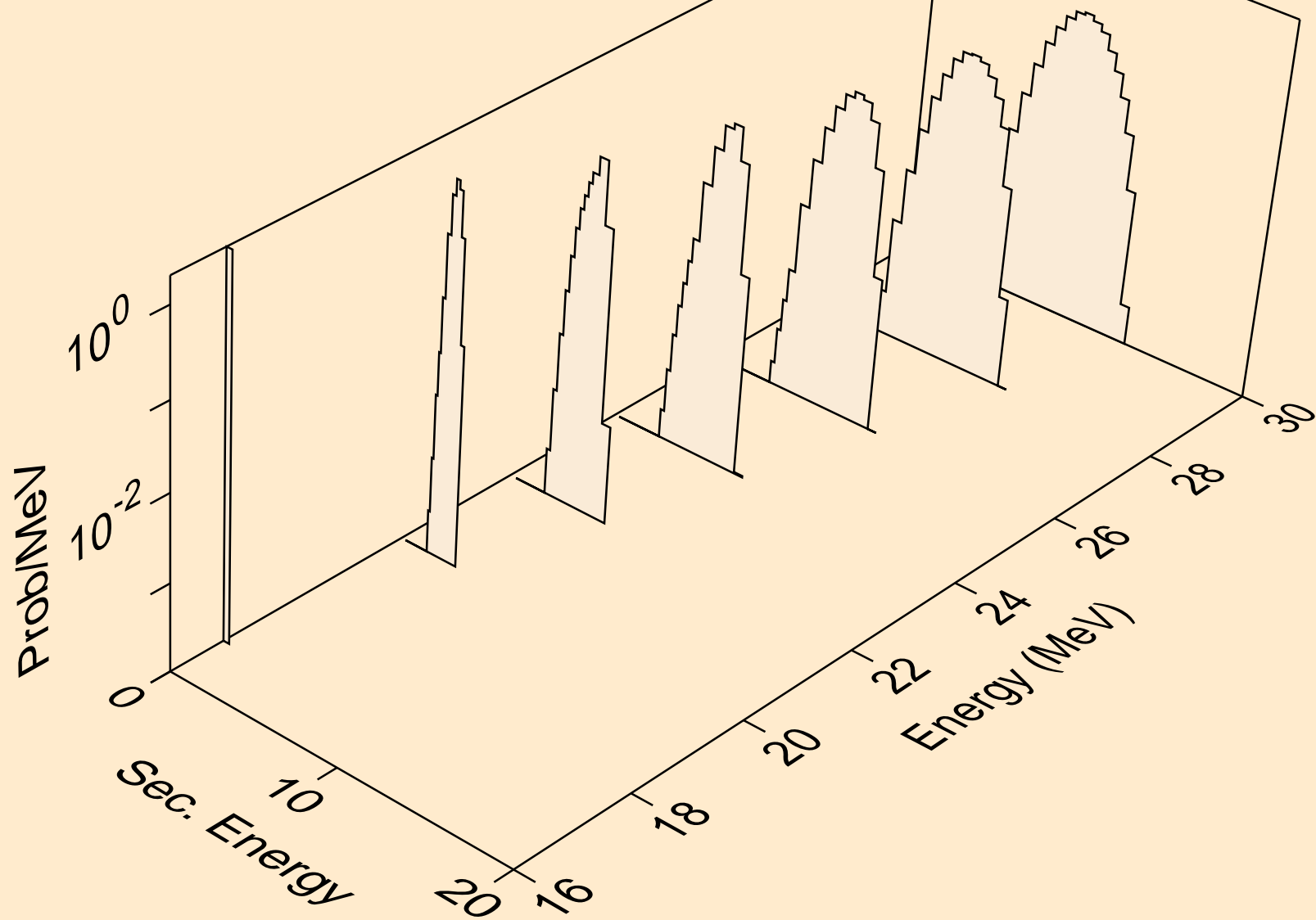
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protons from (n,n\*)p



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

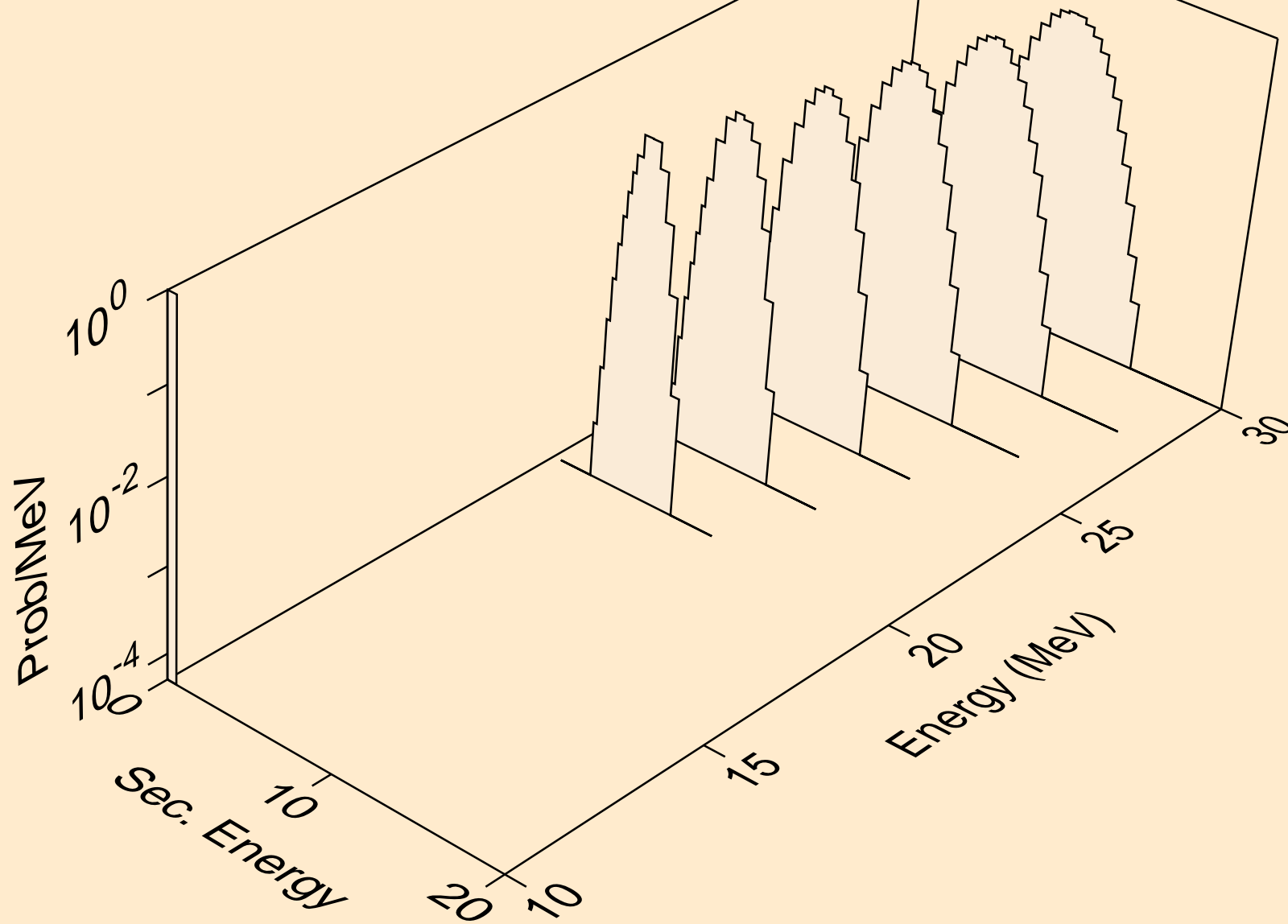


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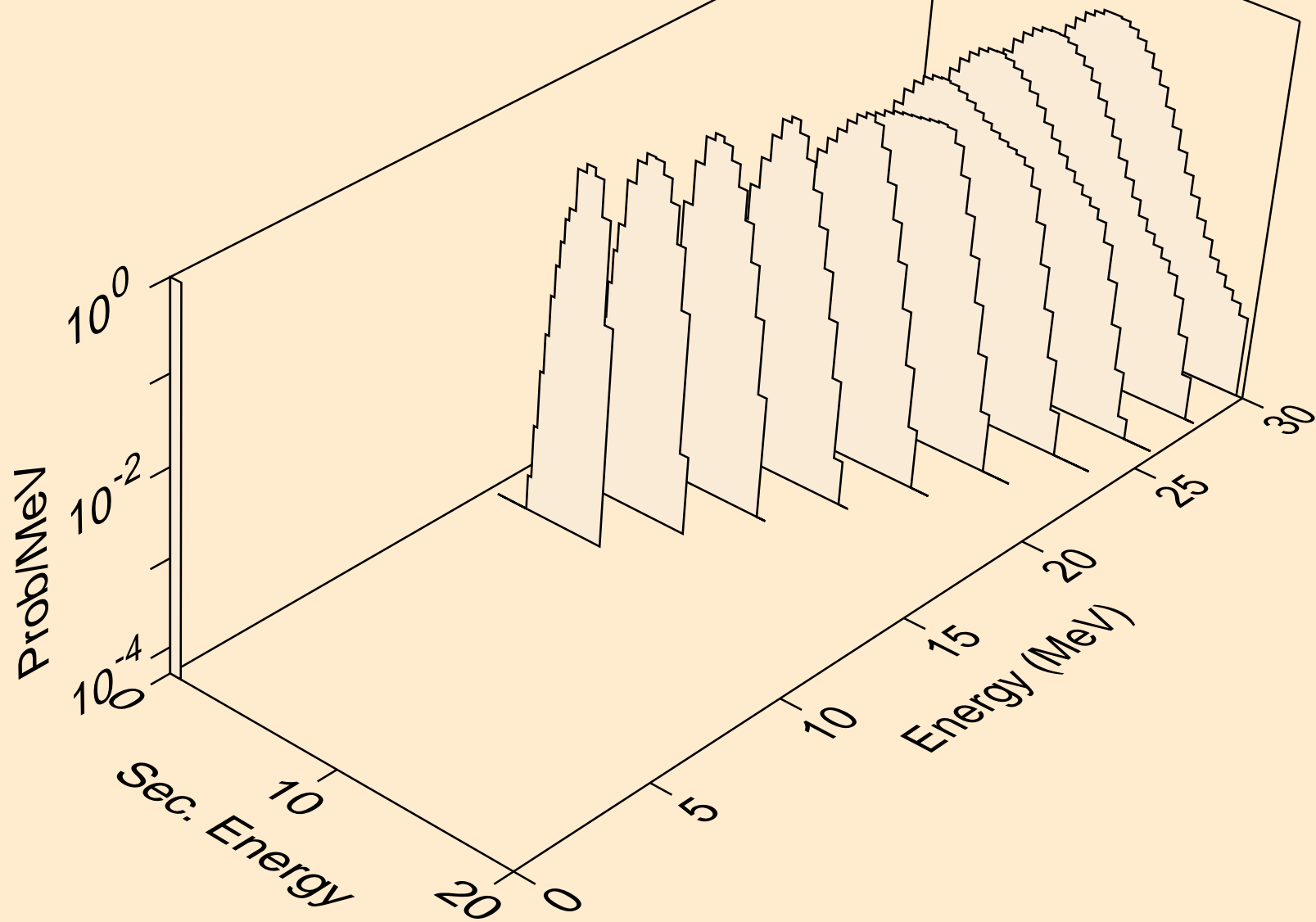




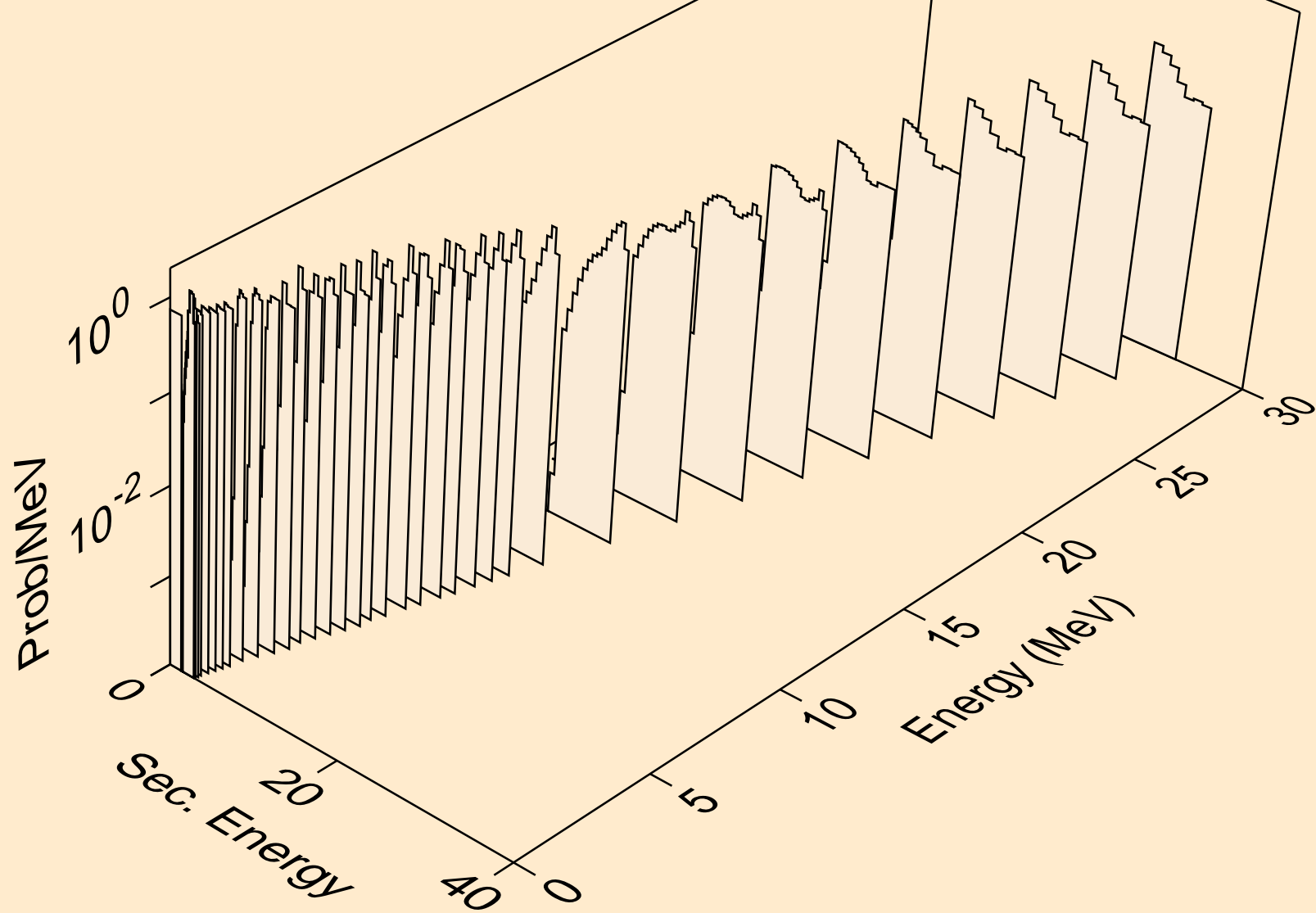
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protons from (n,n2p)



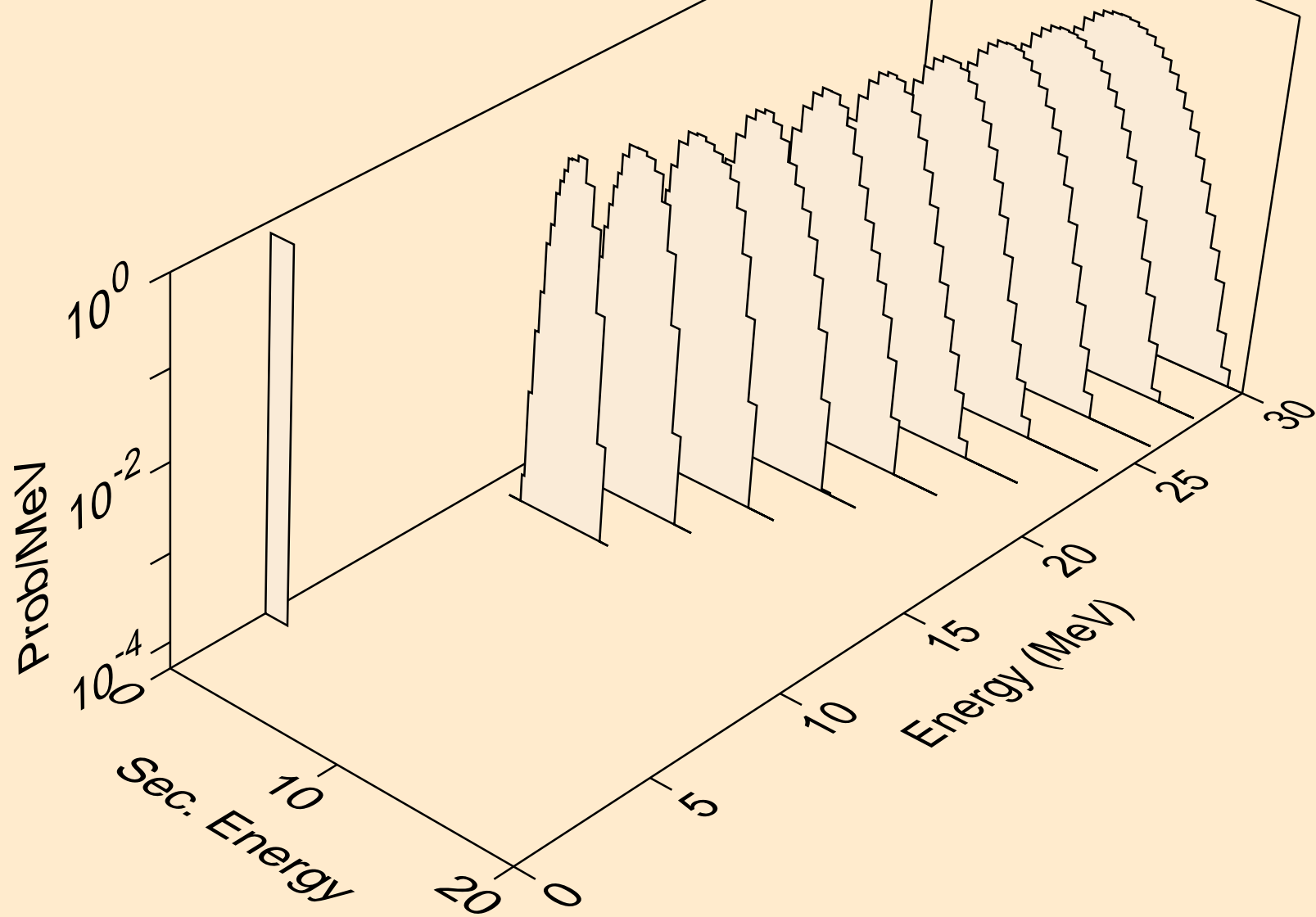
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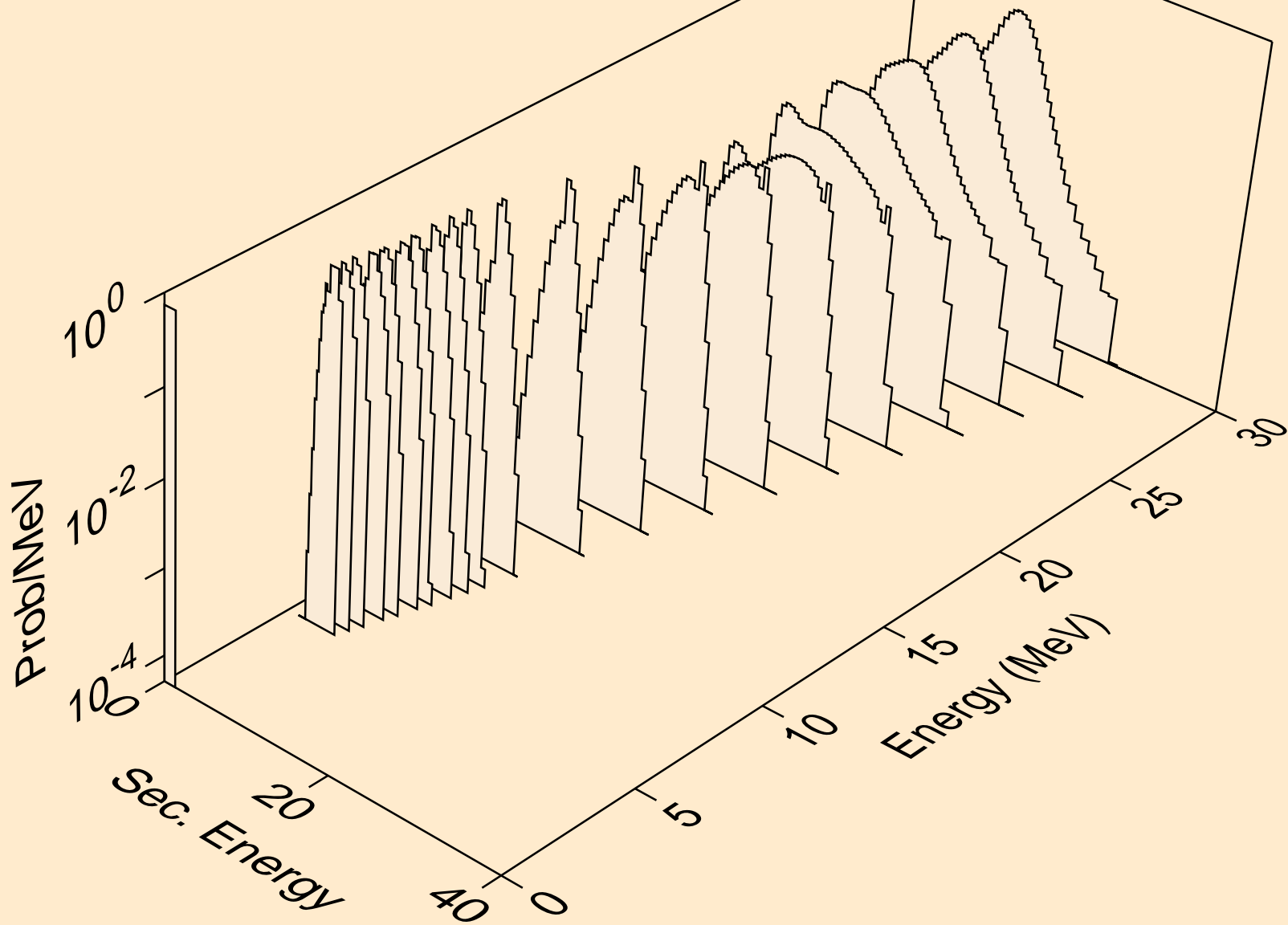
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protons from (n,p)



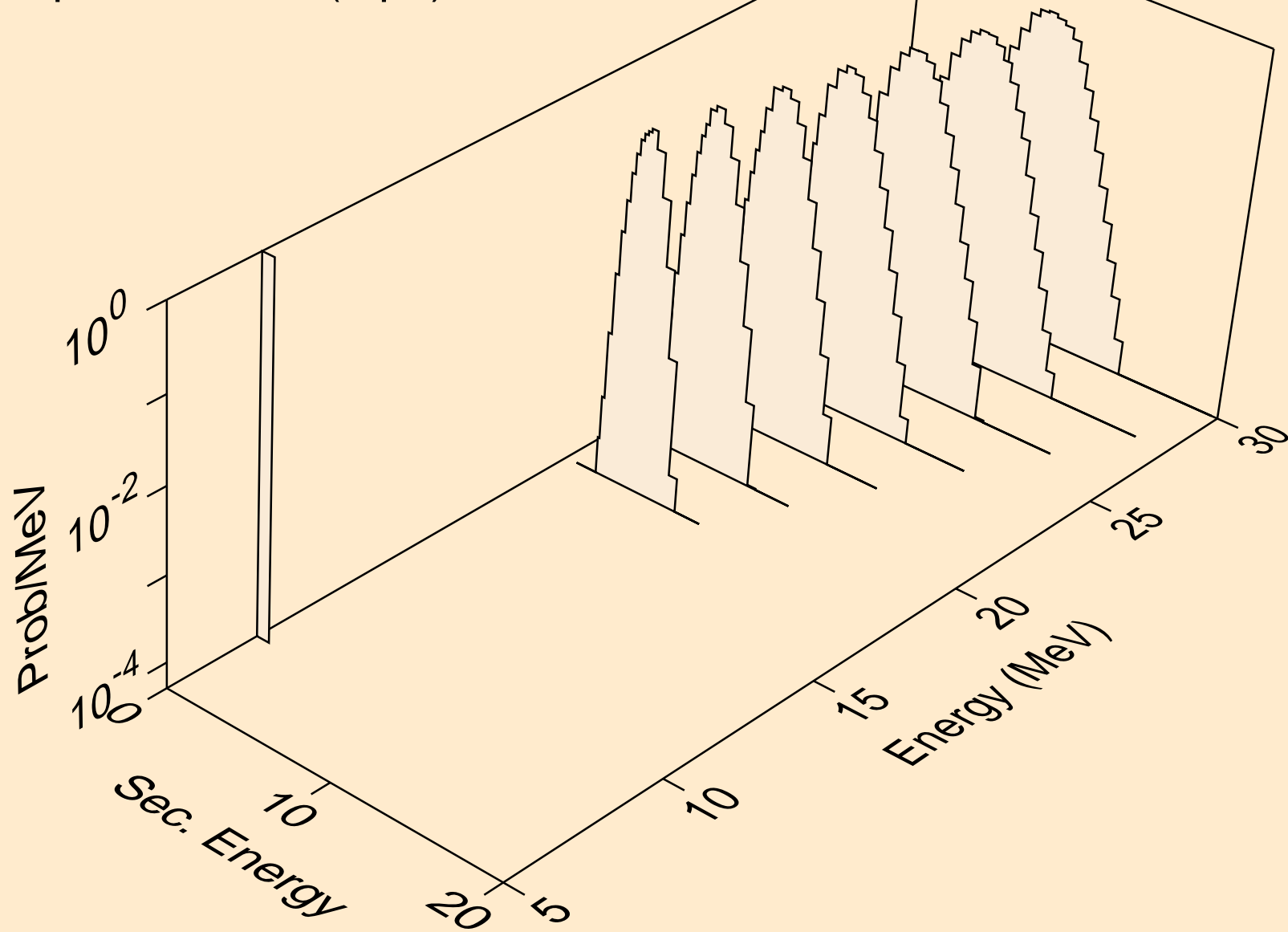
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protons from (n,2p)



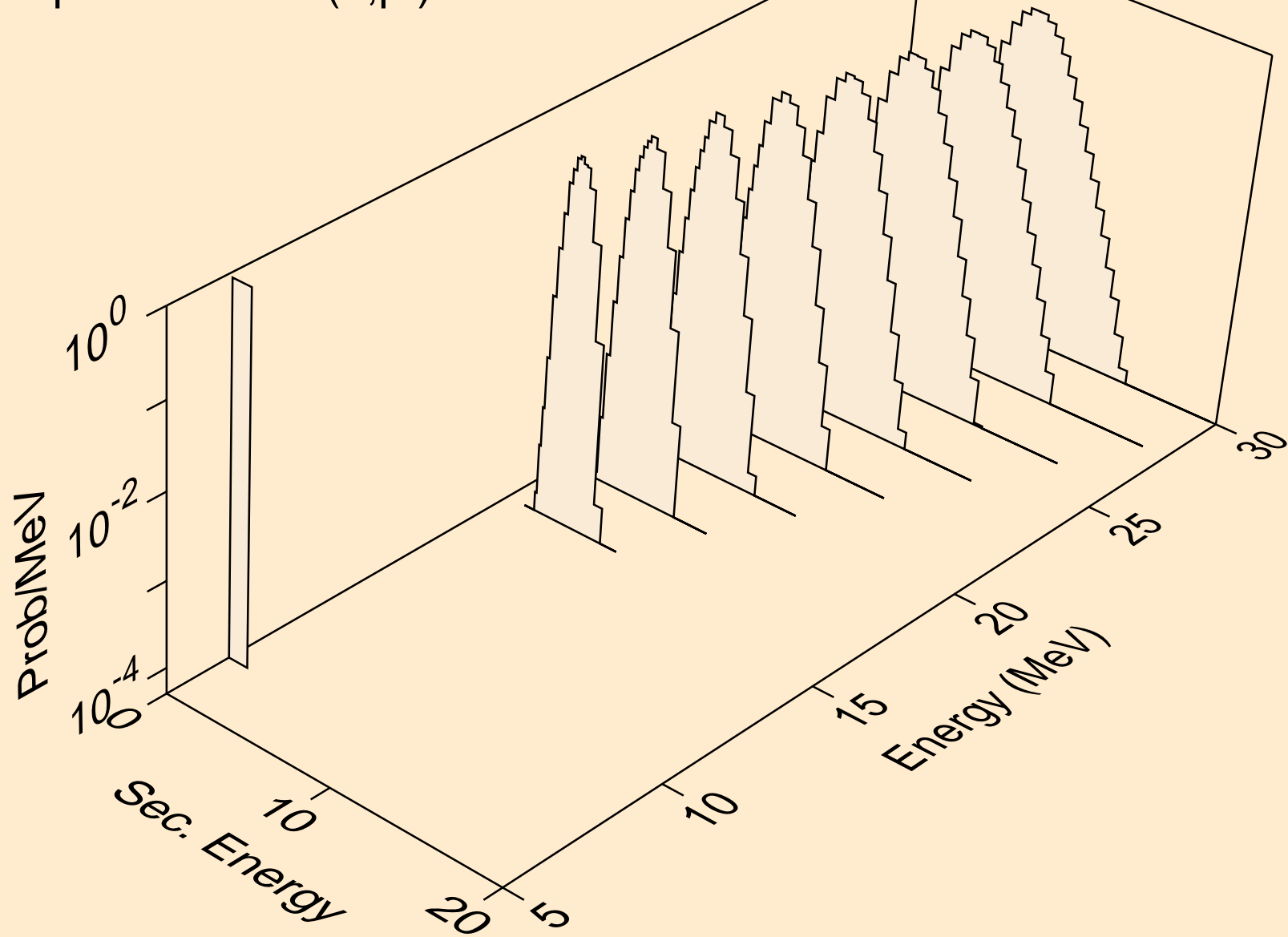
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protons from (n,pa)



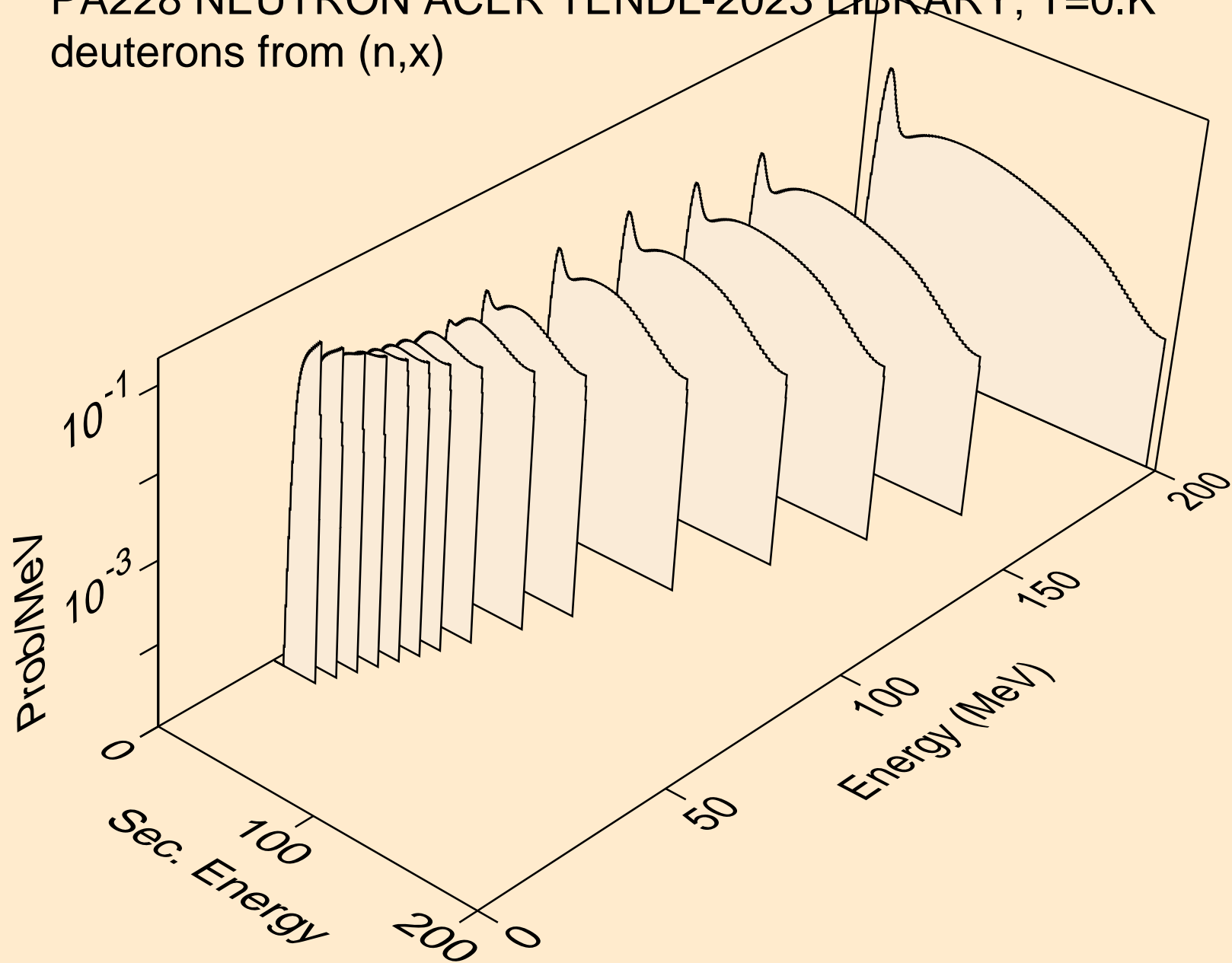
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protons from (n,pd)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

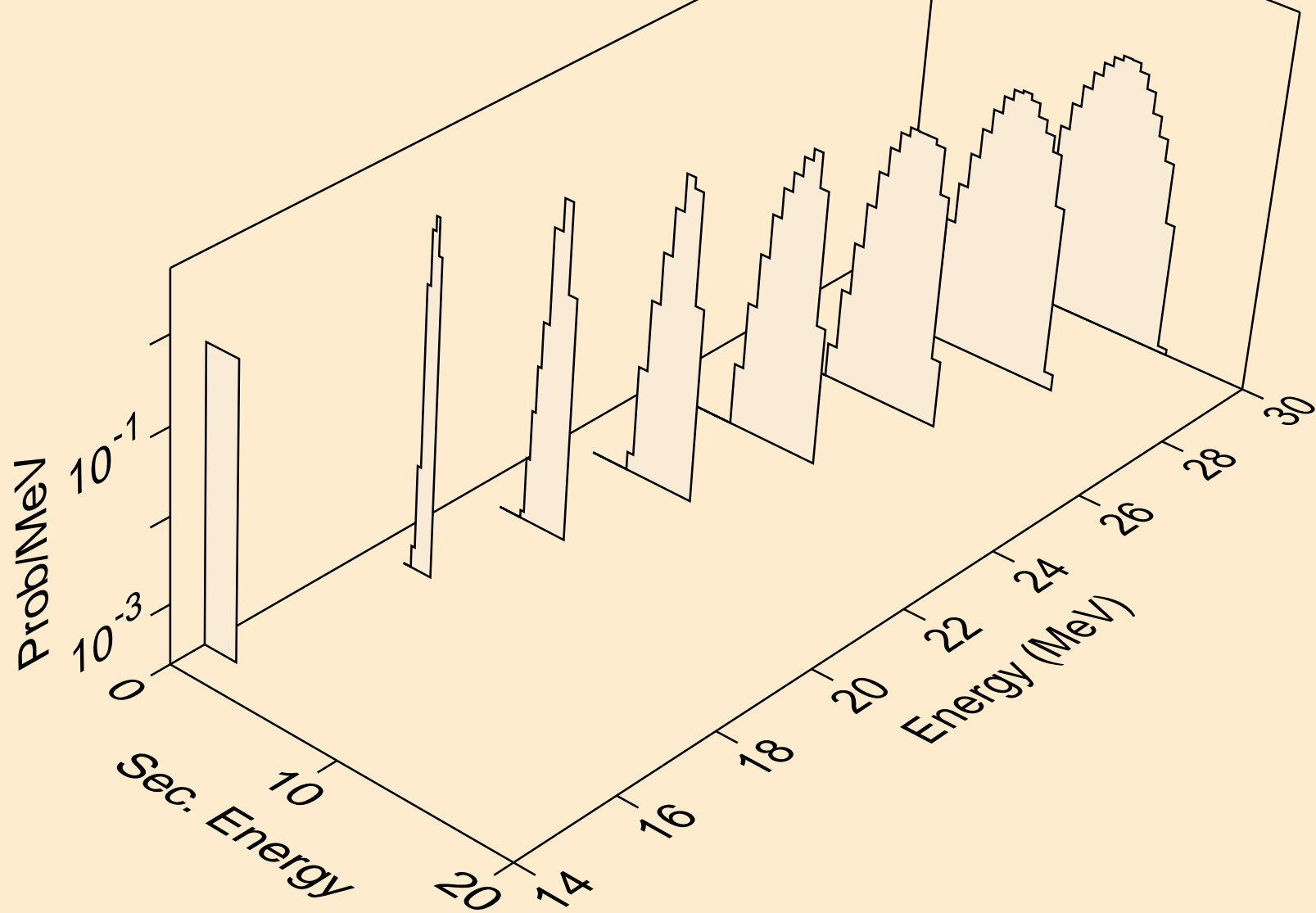


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

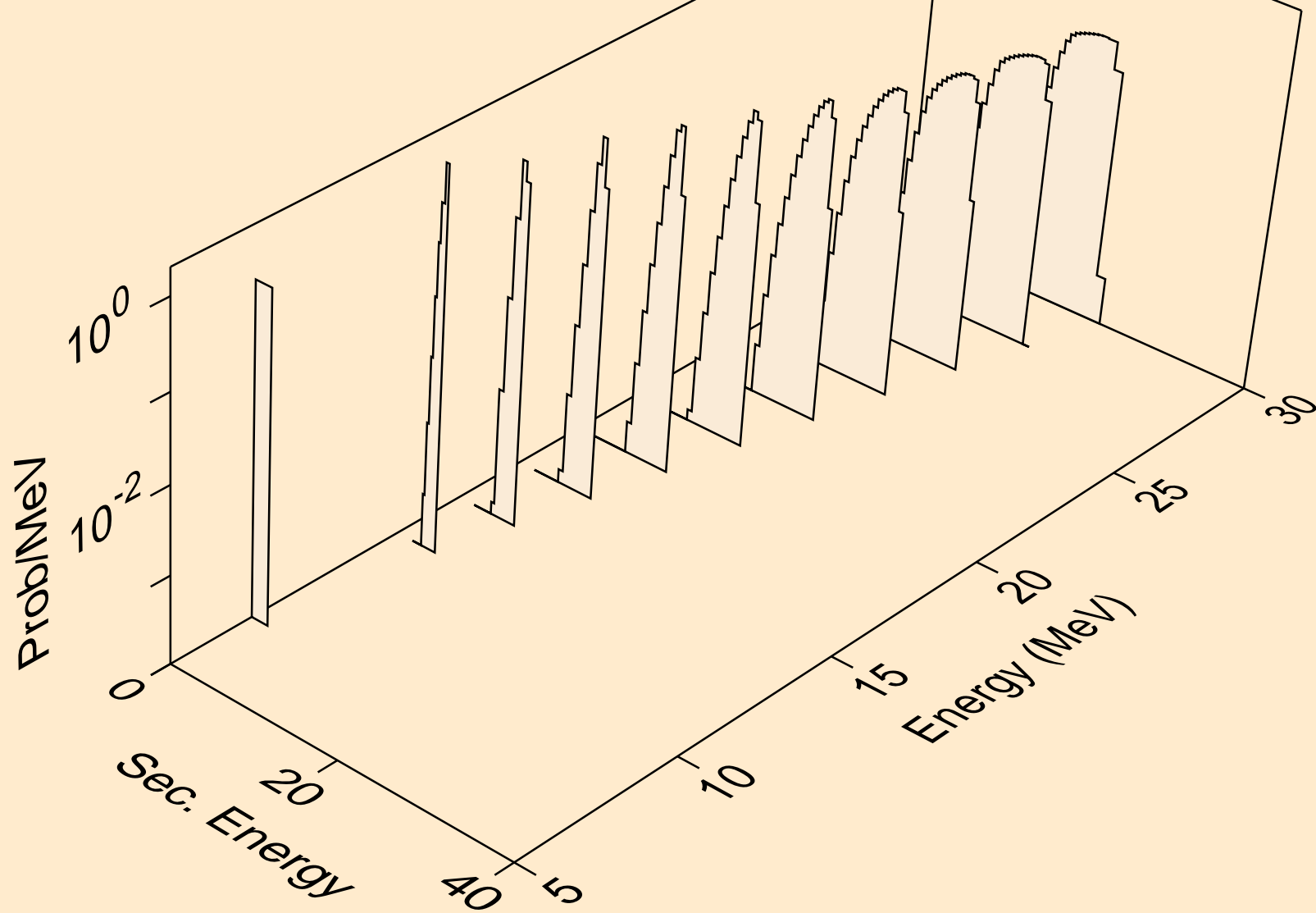




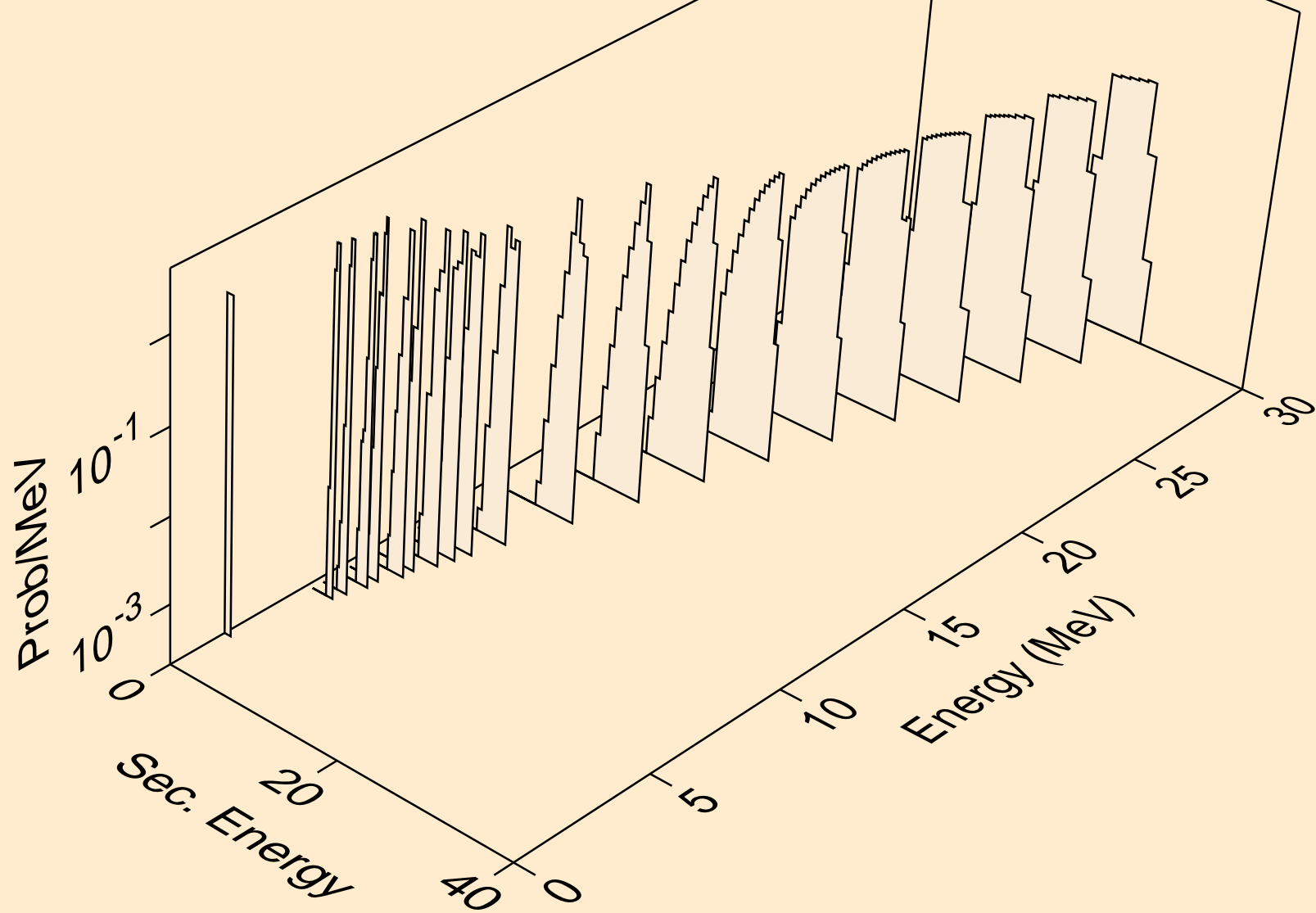
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deuterons from (n,2nd)



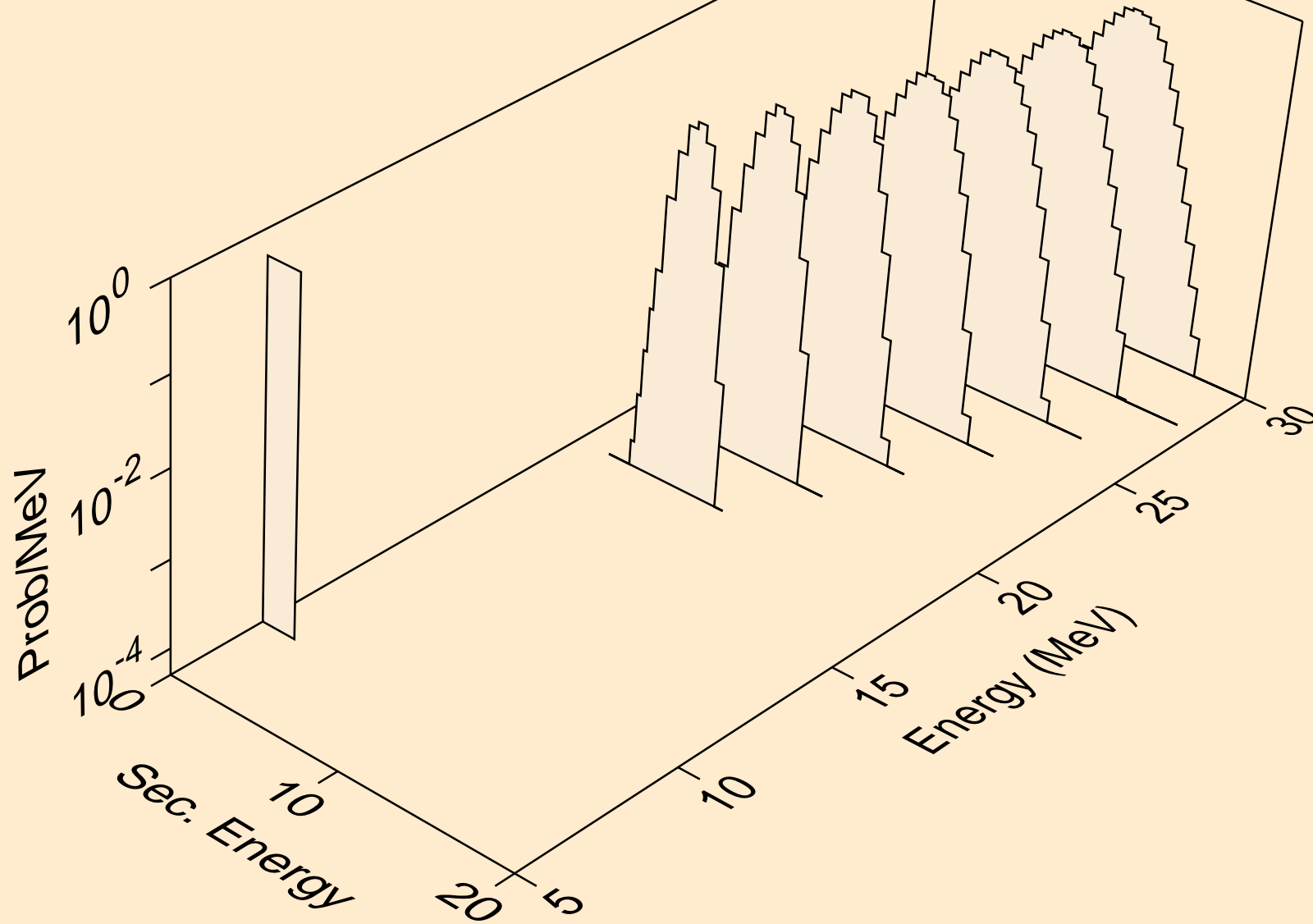
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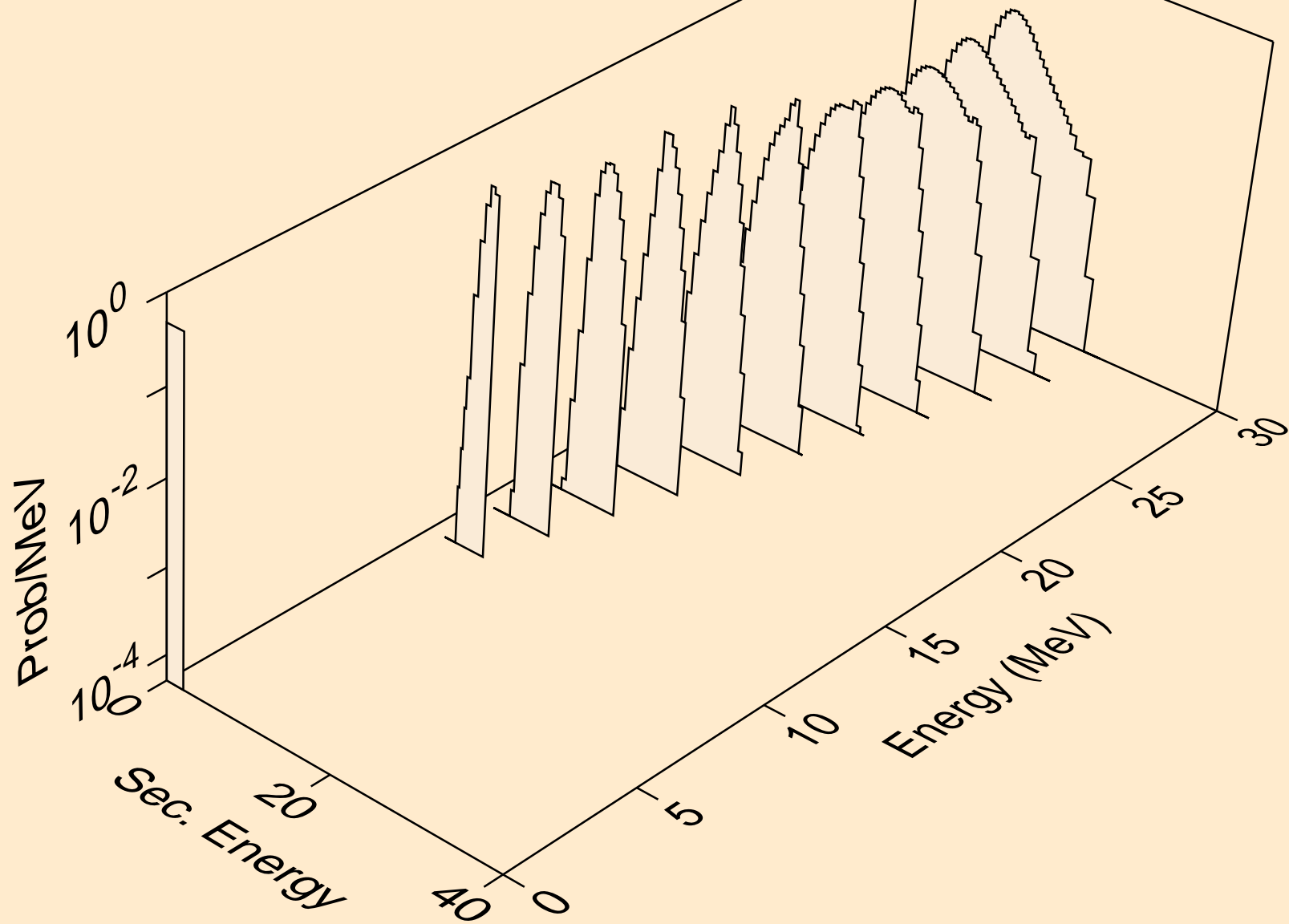
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deuterons from (n,d)



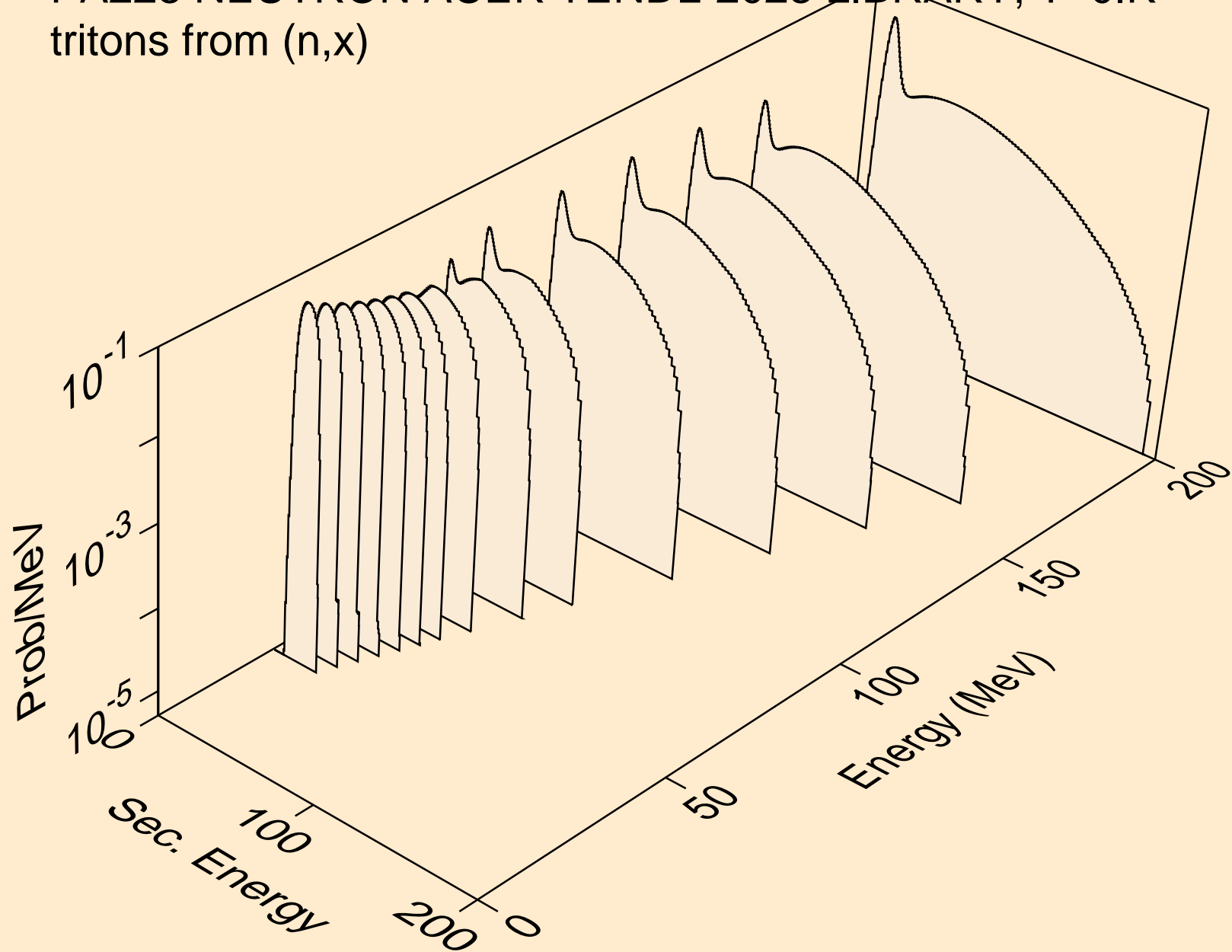
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deuterons from (n,pd)



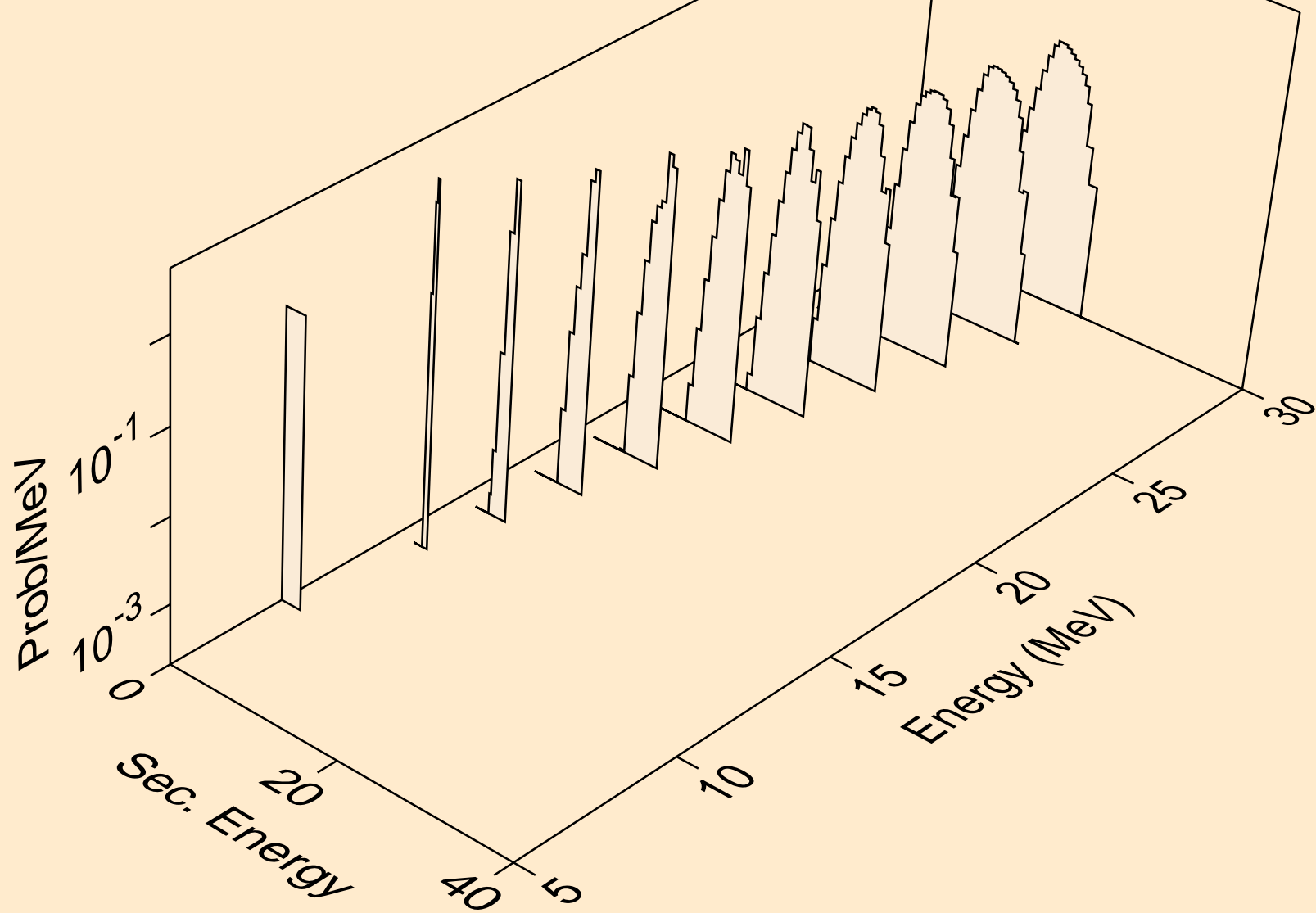
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deuterons from (n,da)



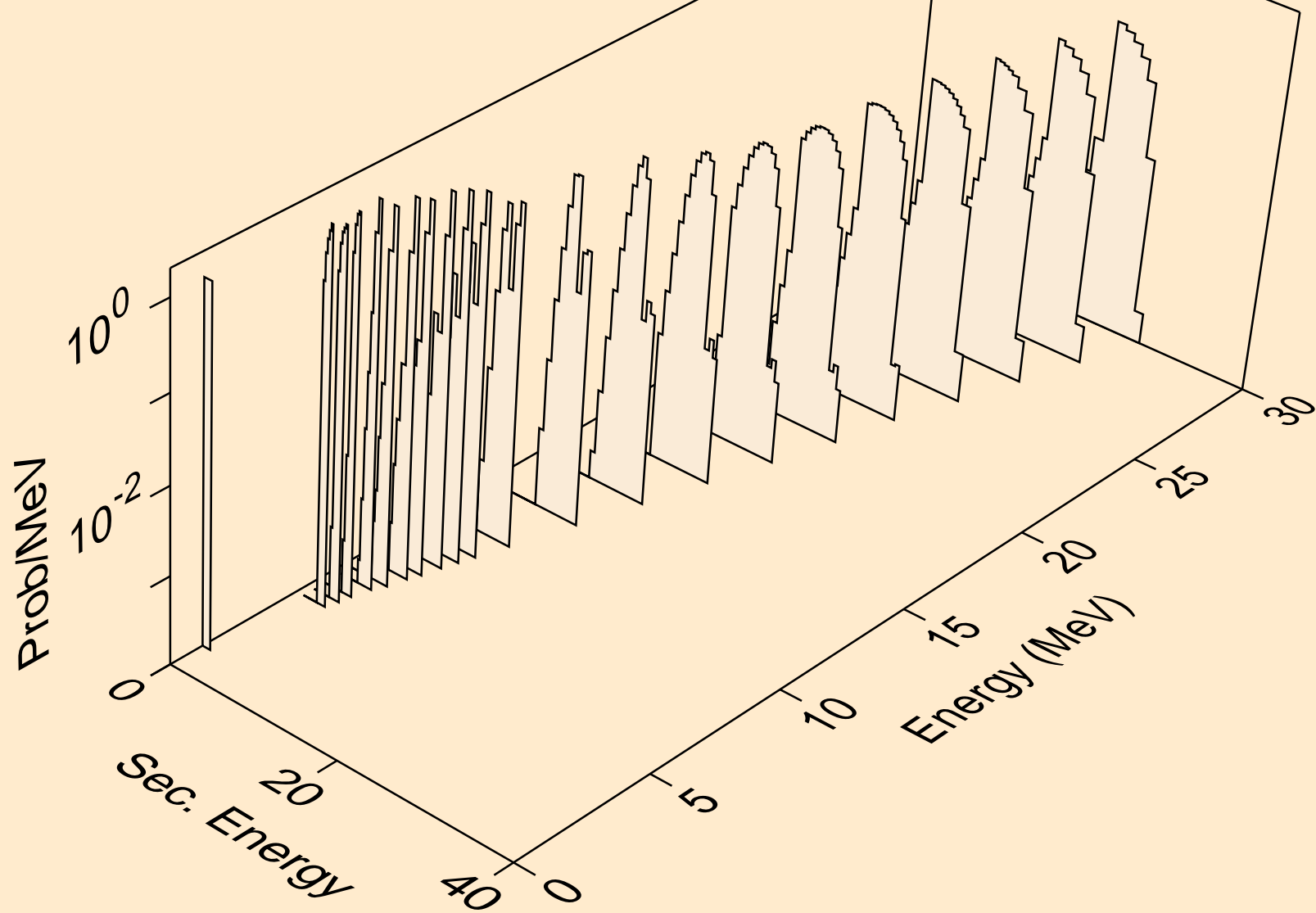
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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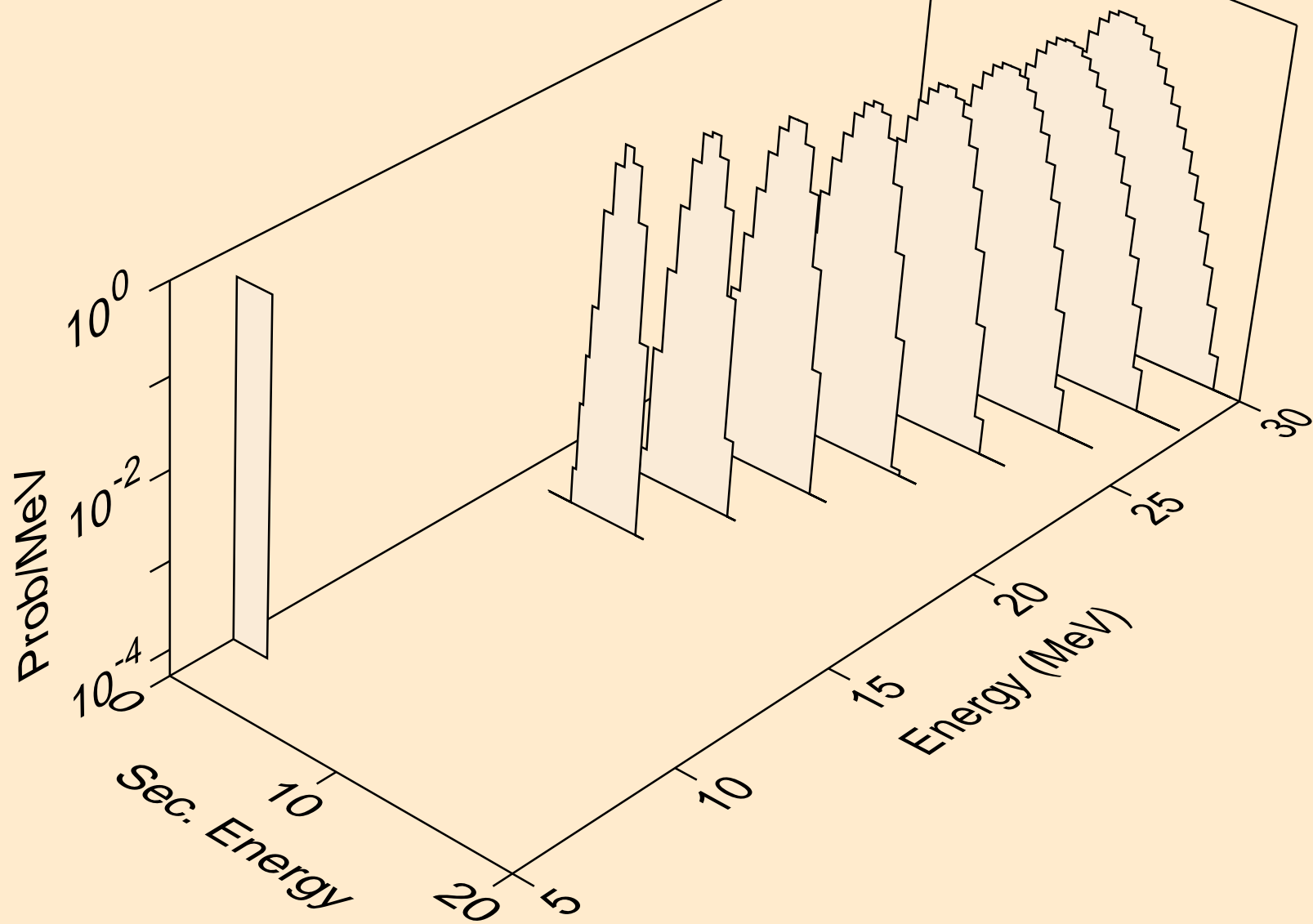


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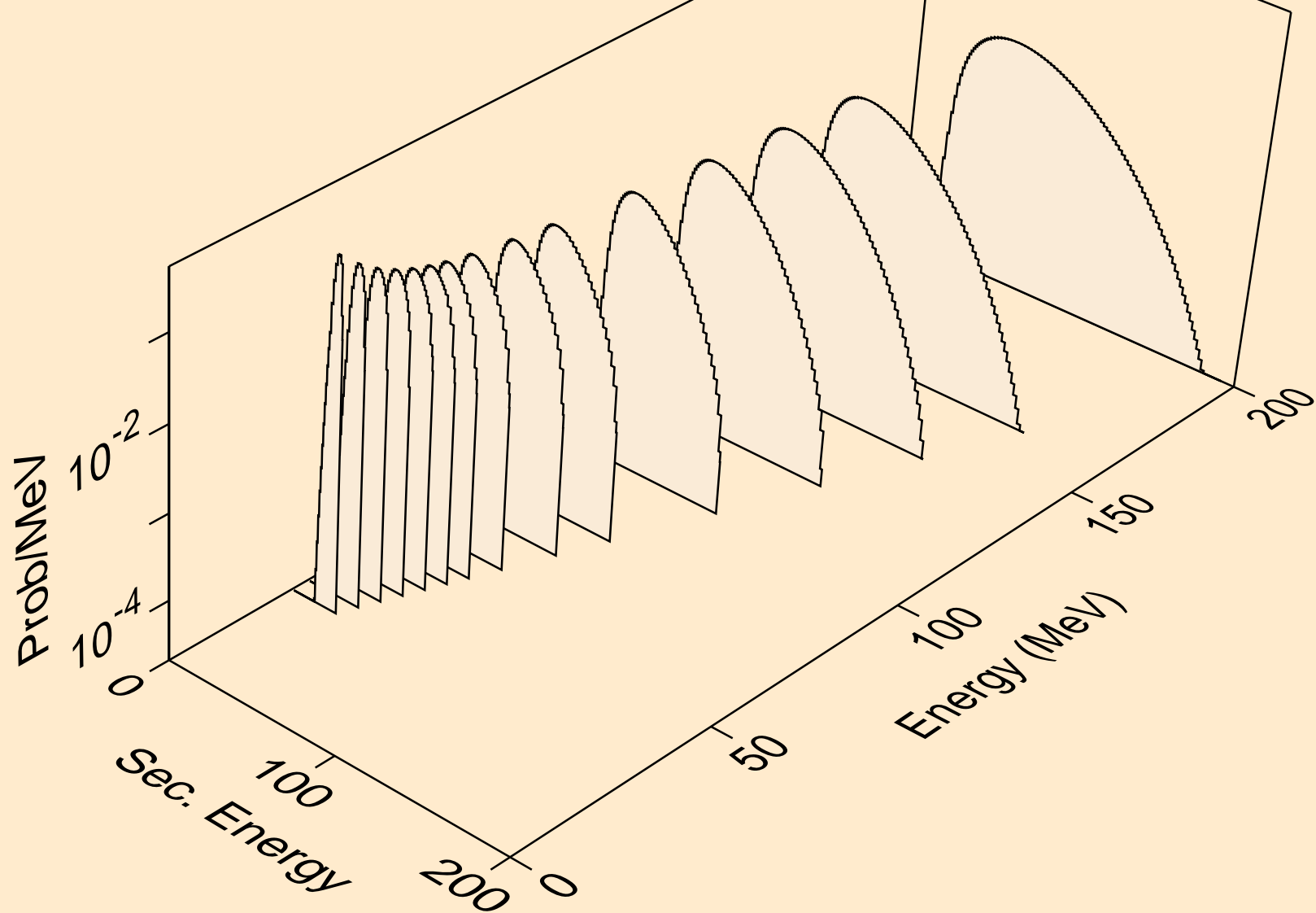




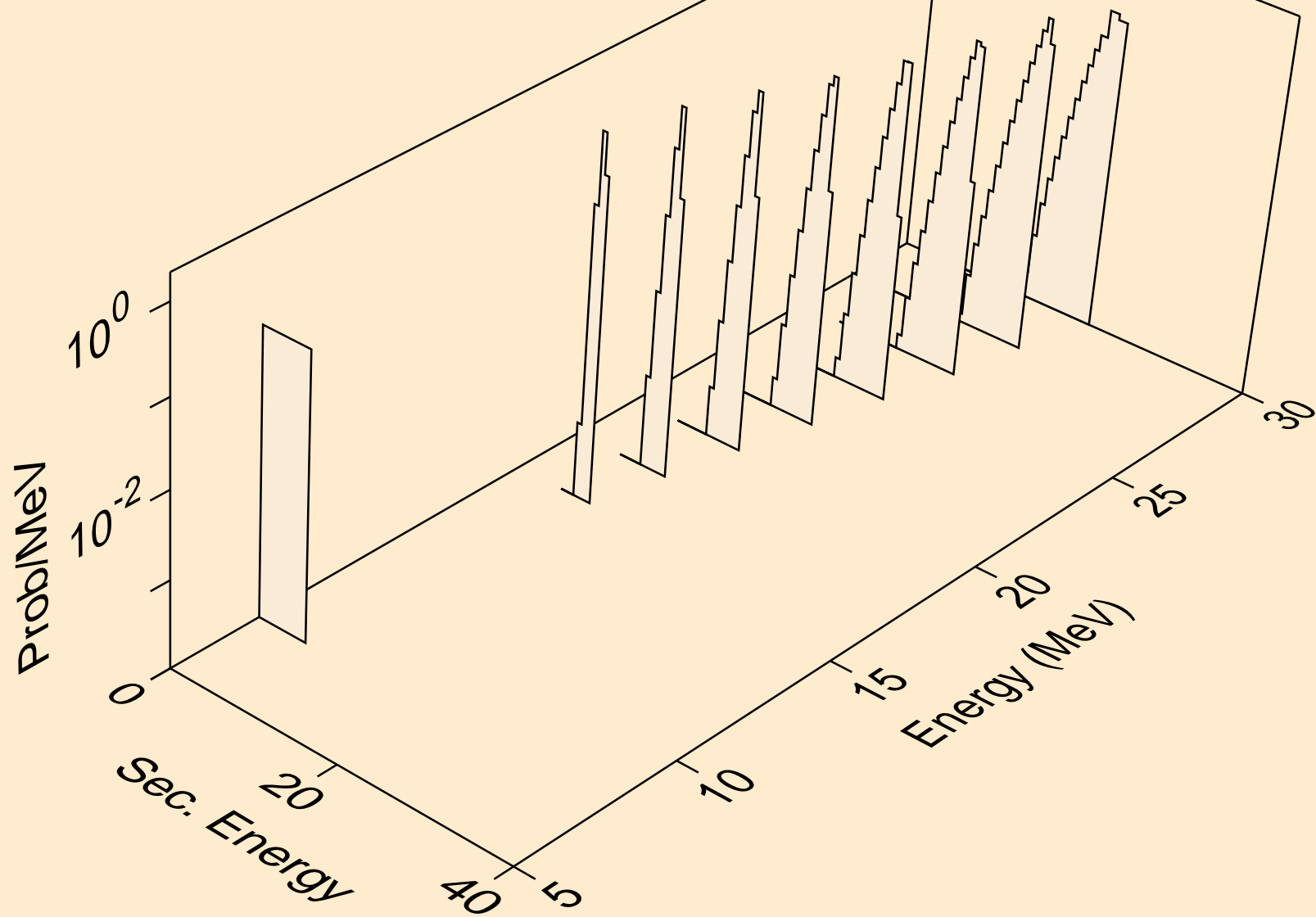
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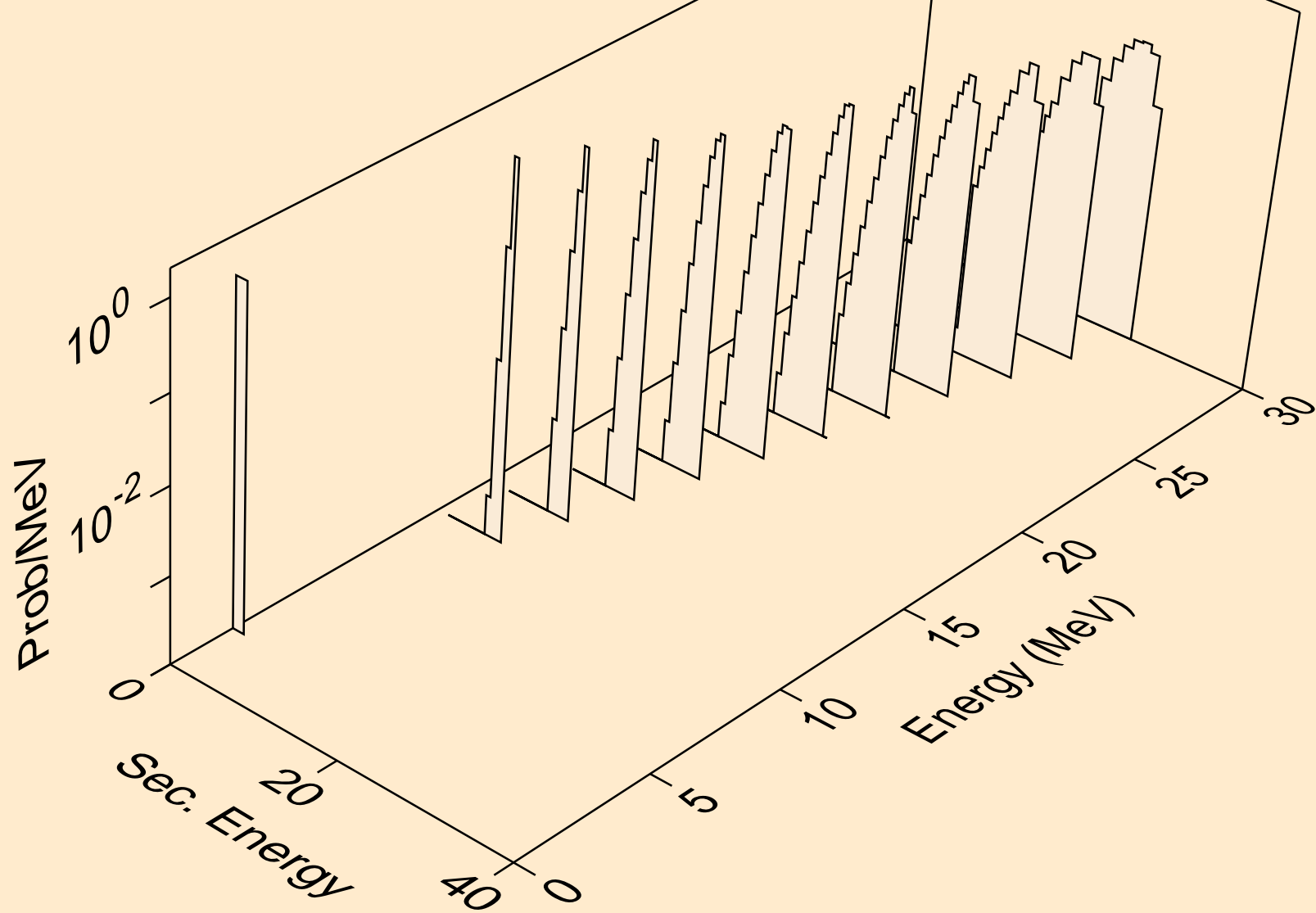
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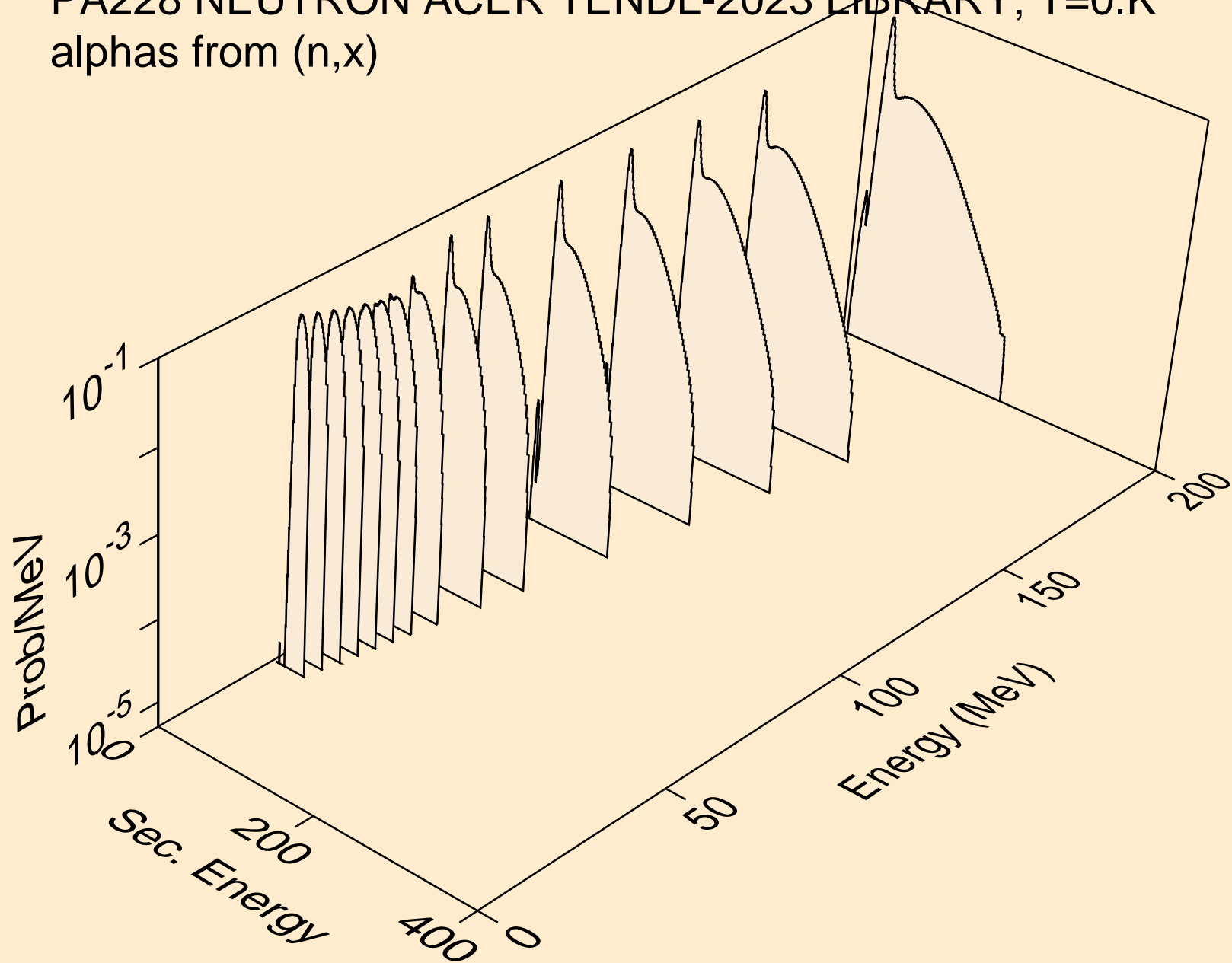
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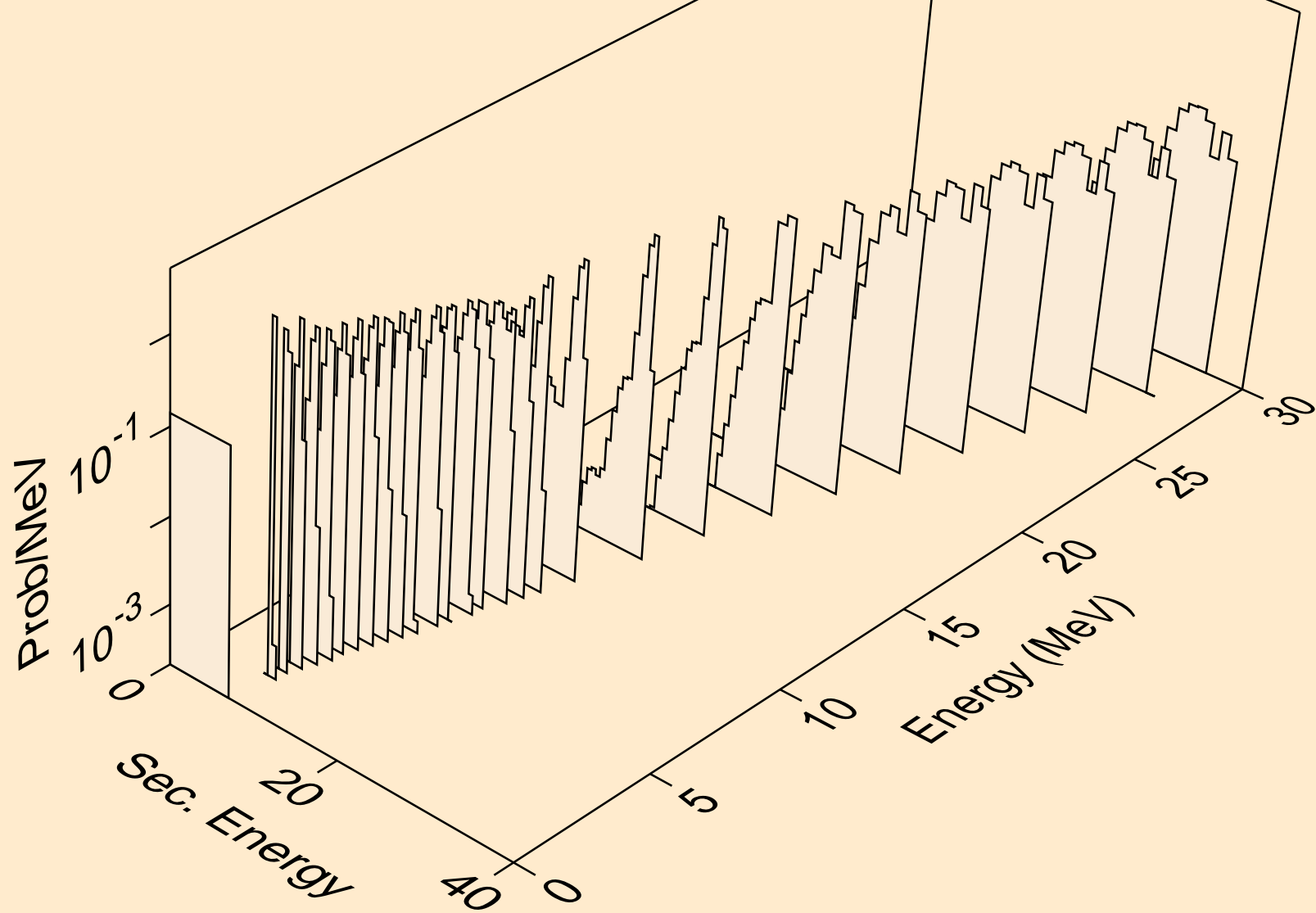
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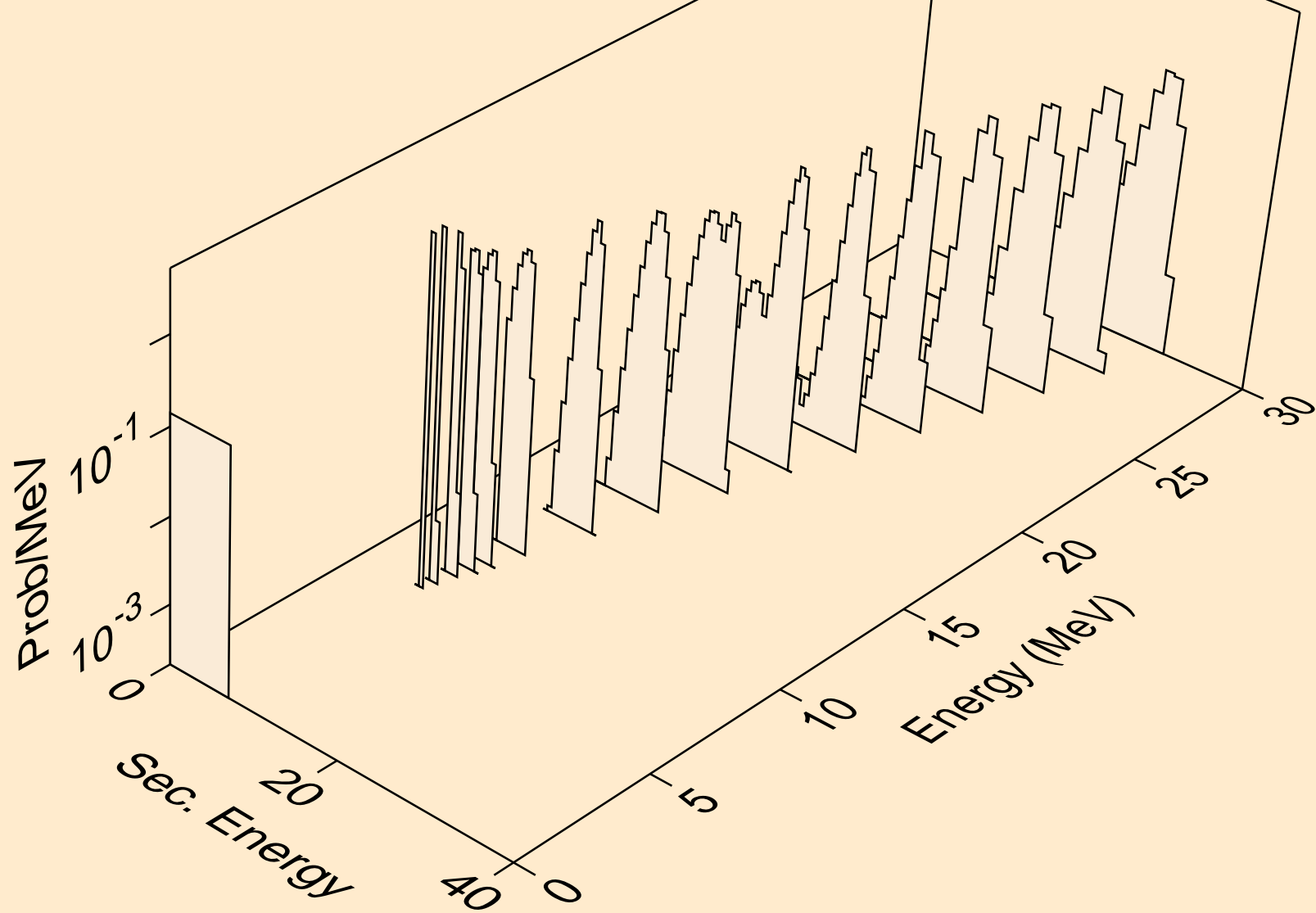
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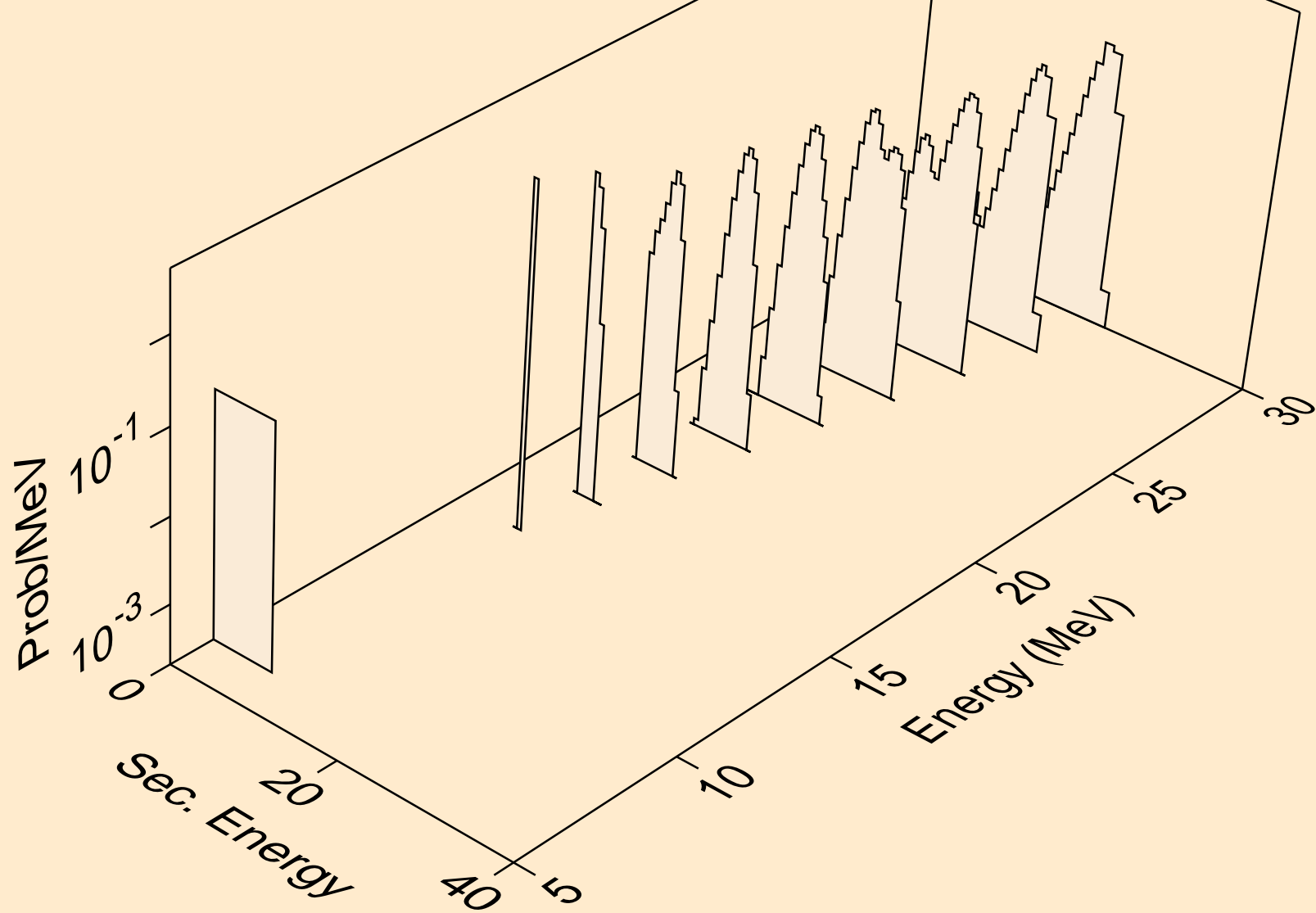
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

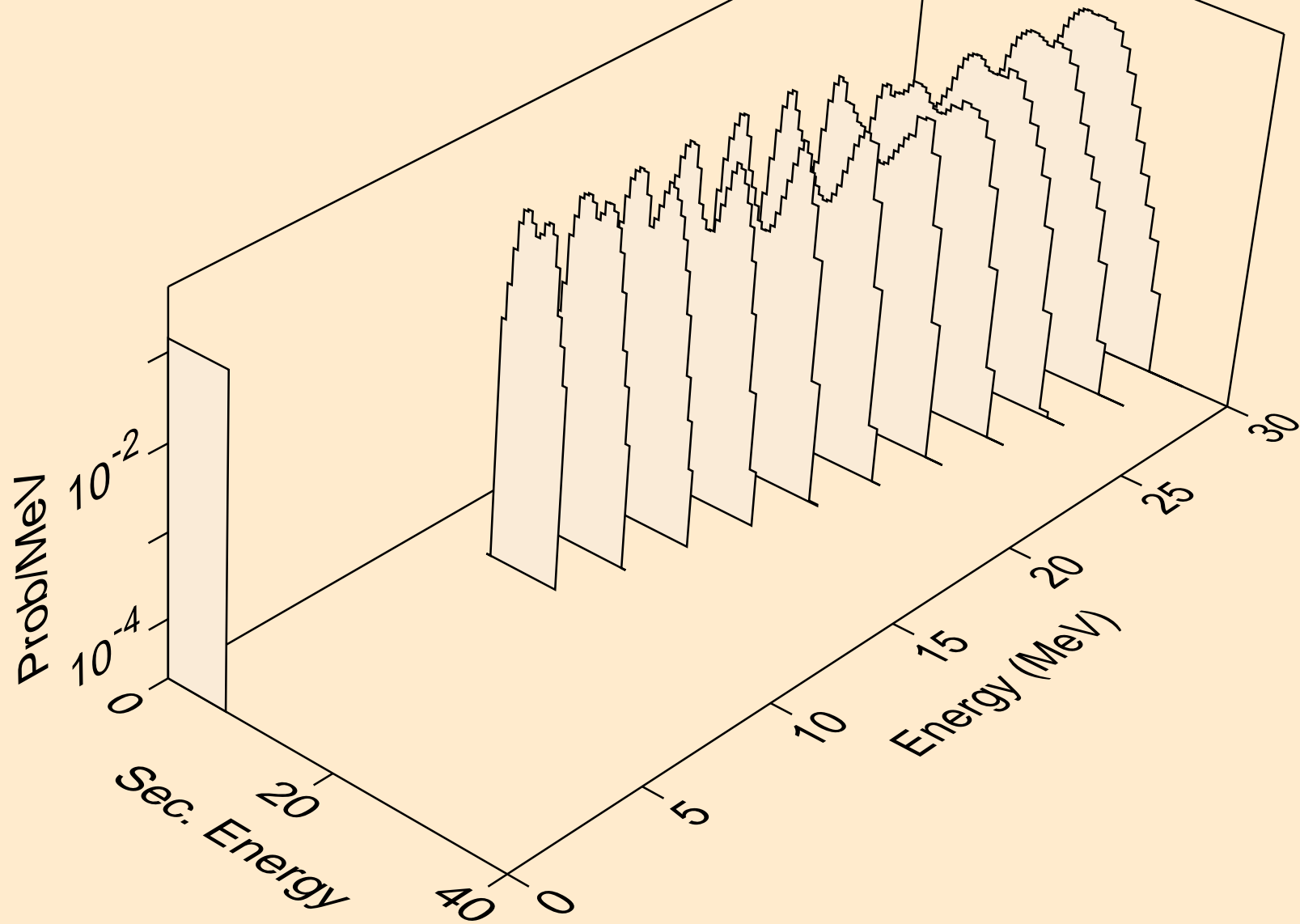


PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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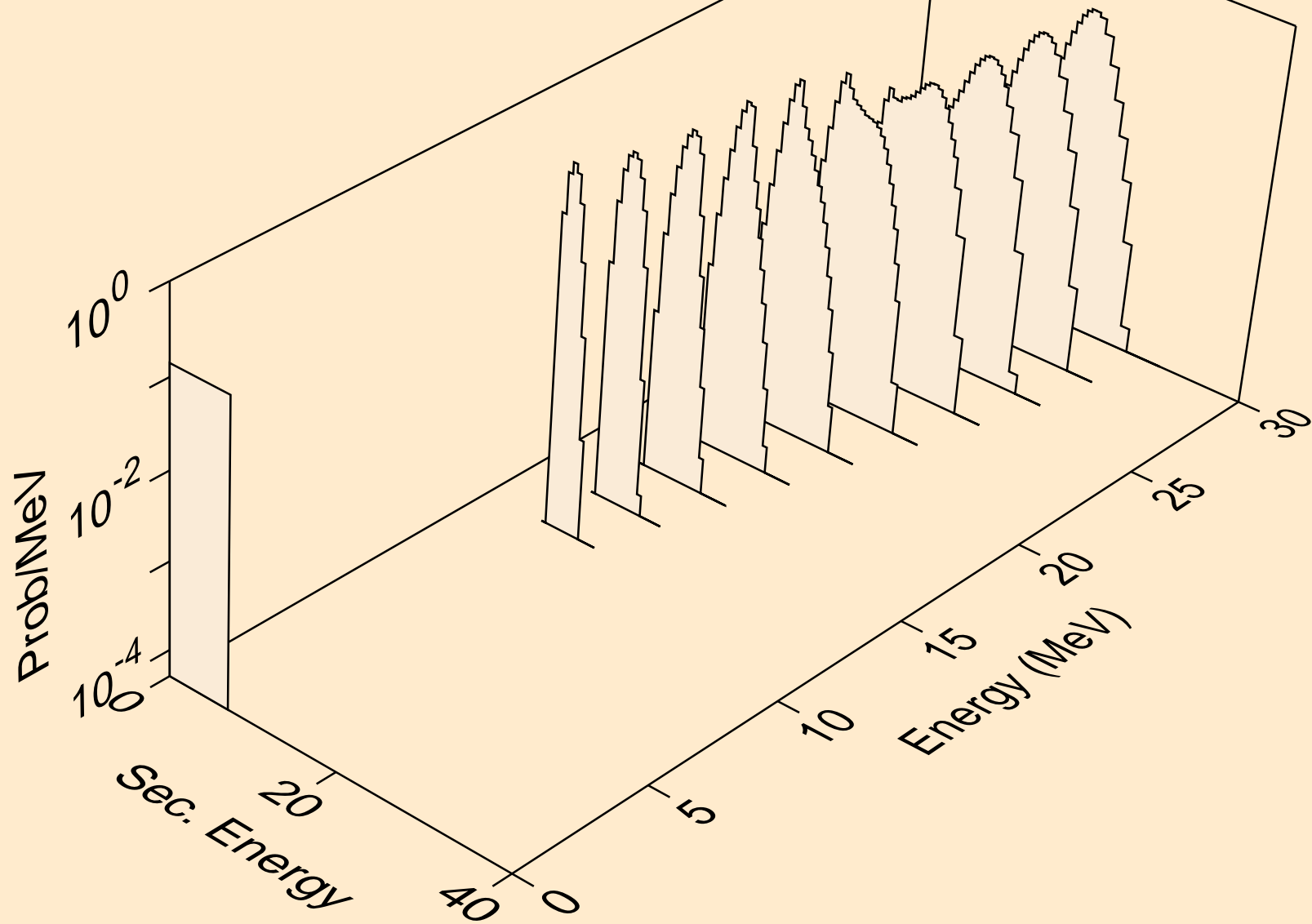




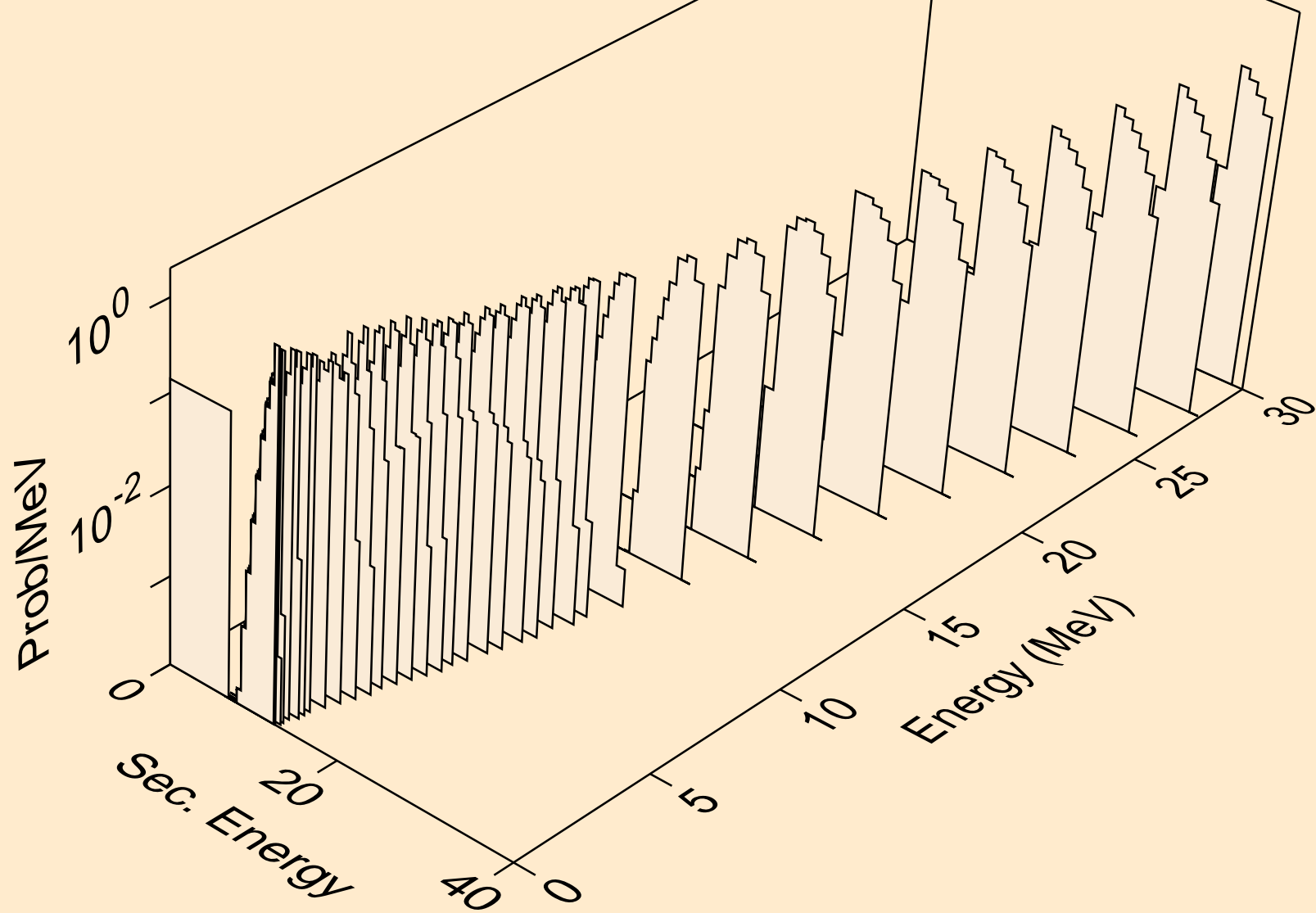
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



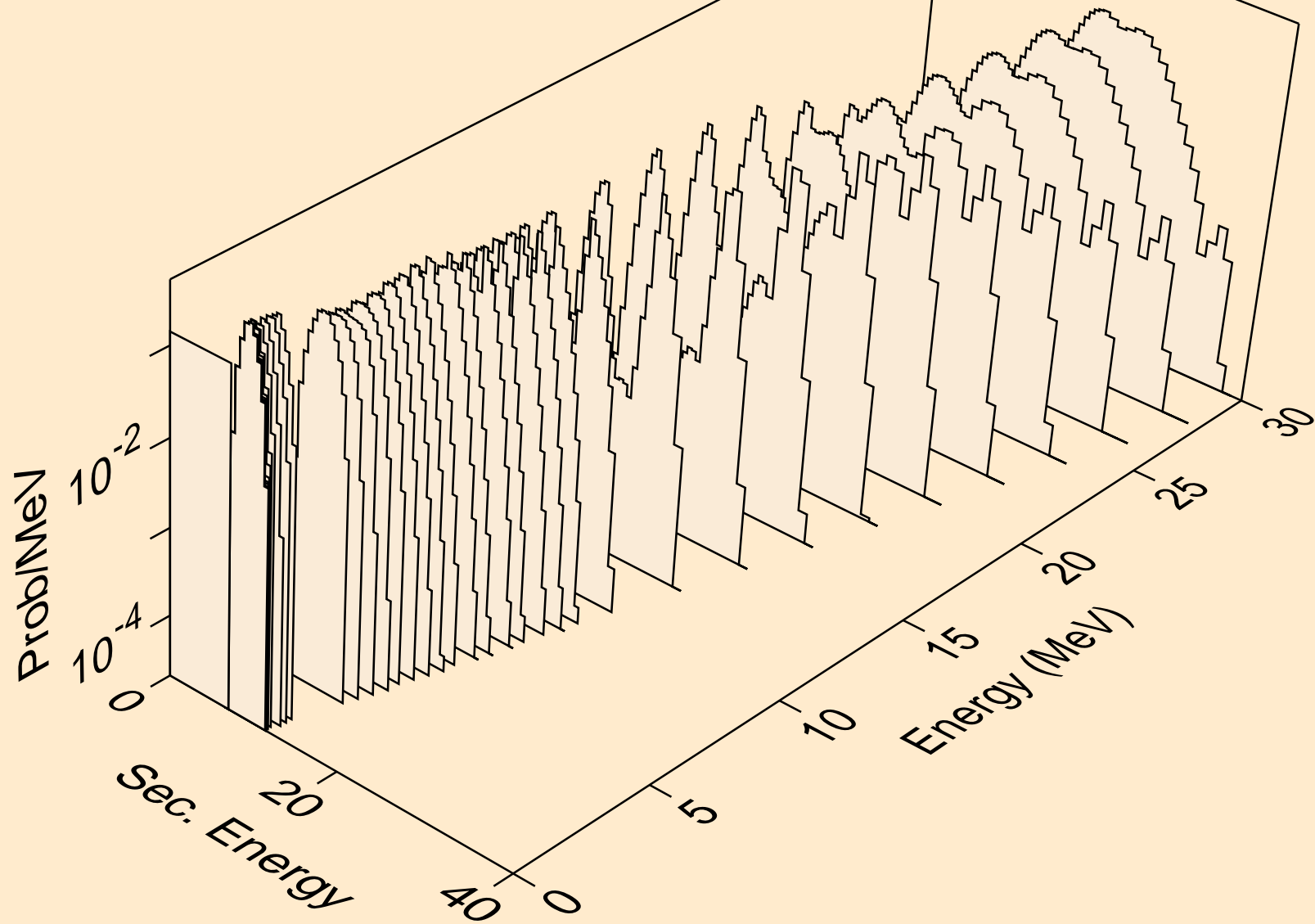
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



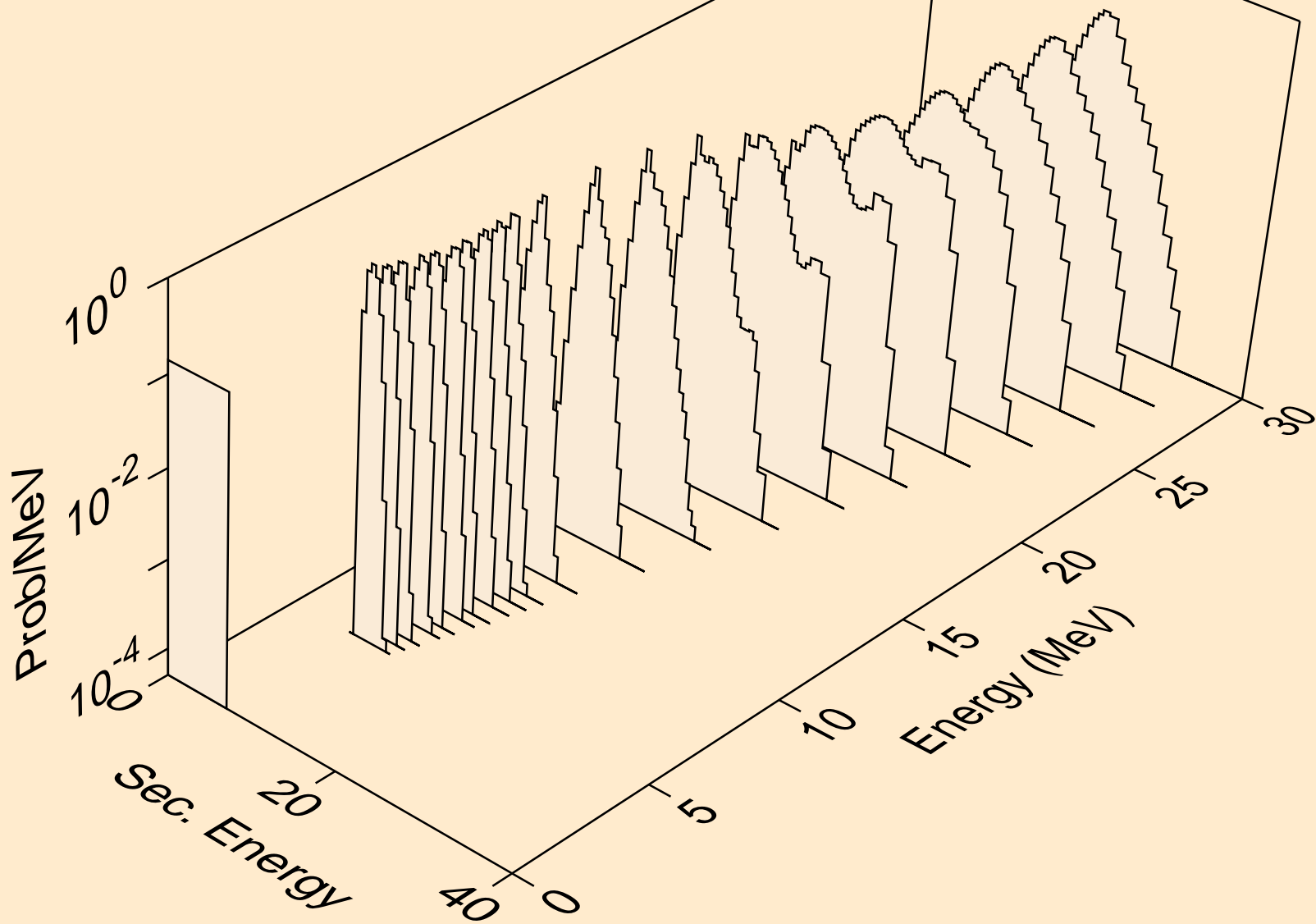
PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PA228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

