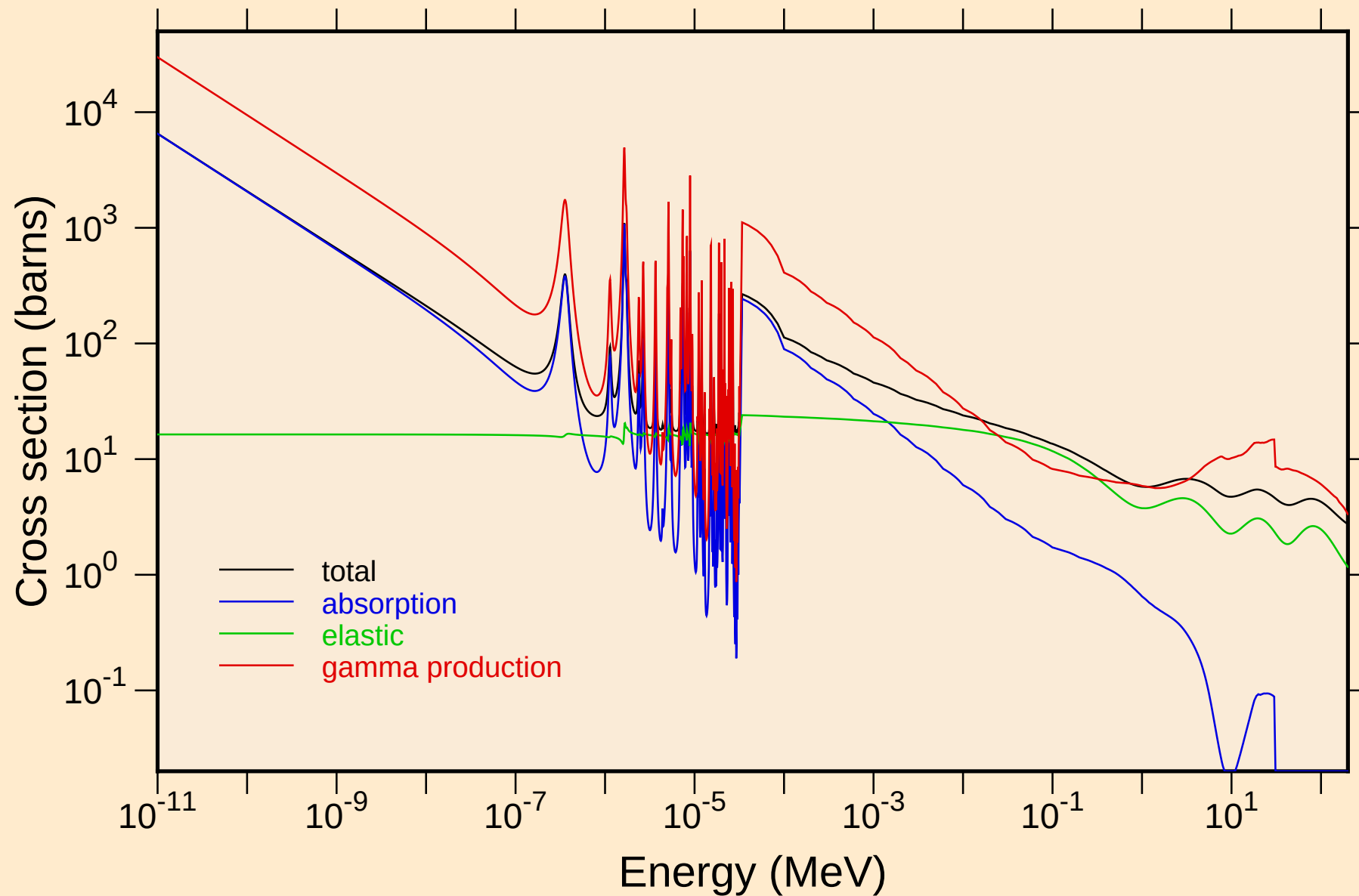
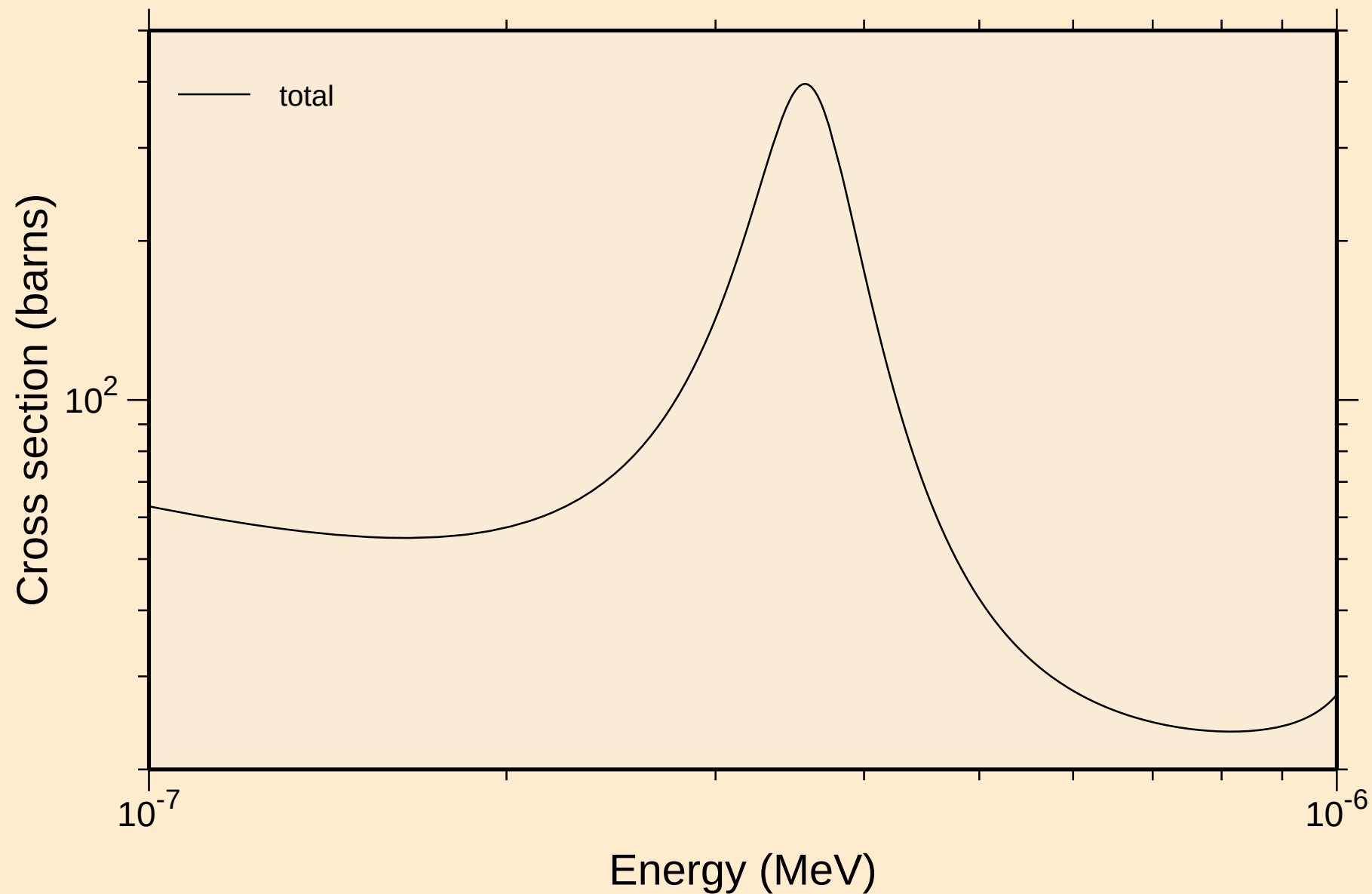


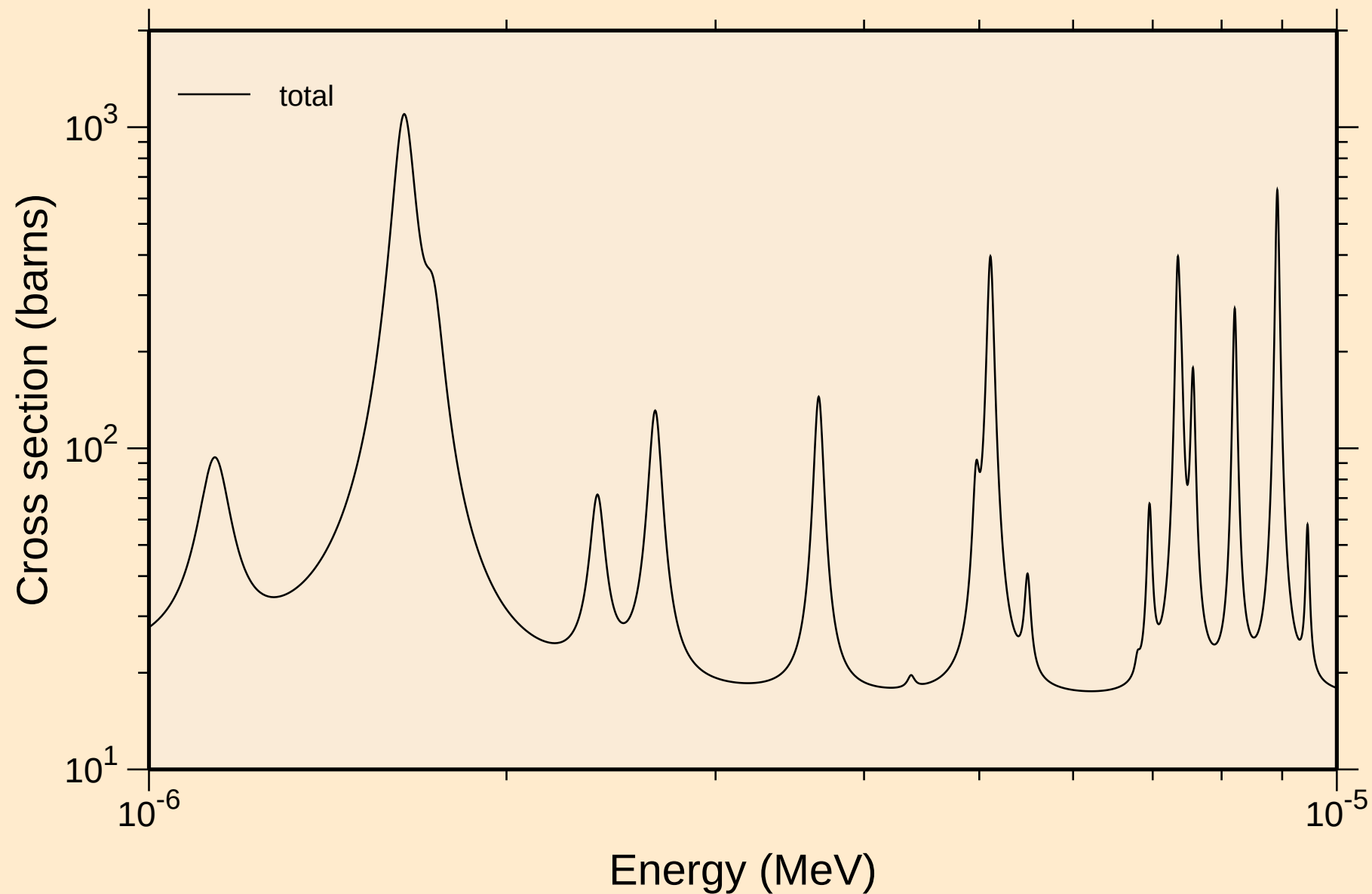
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



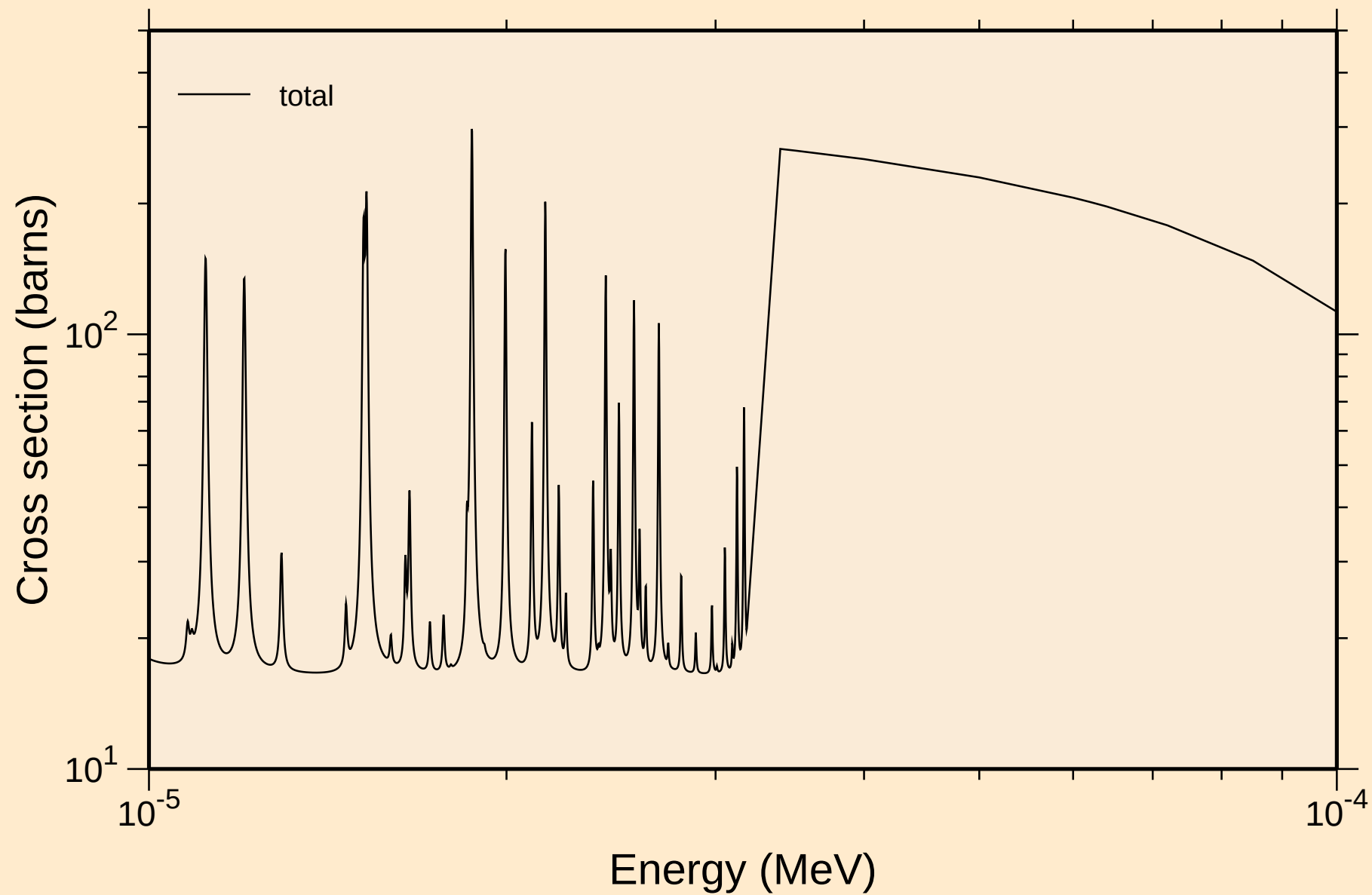
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



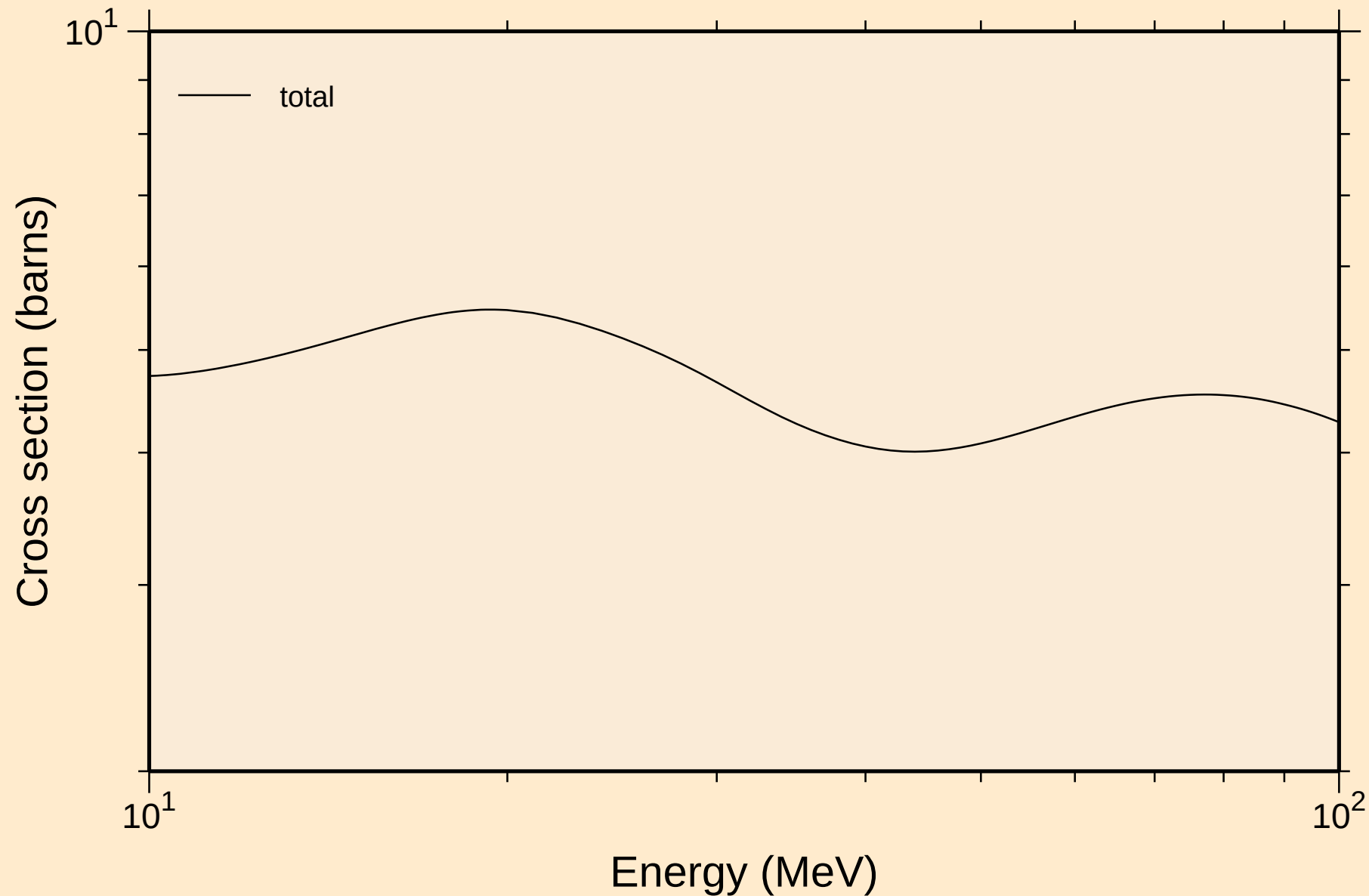
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



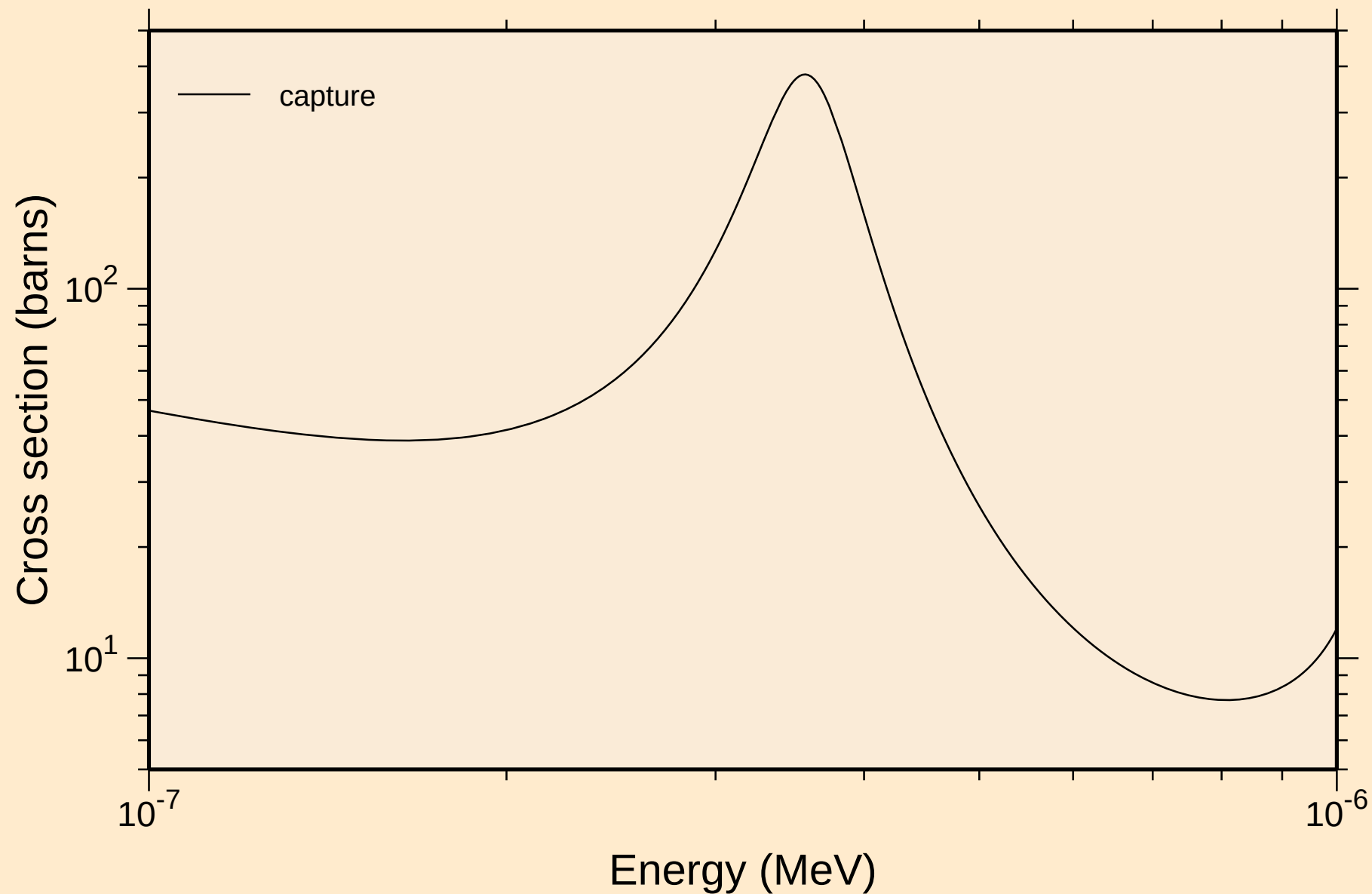
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



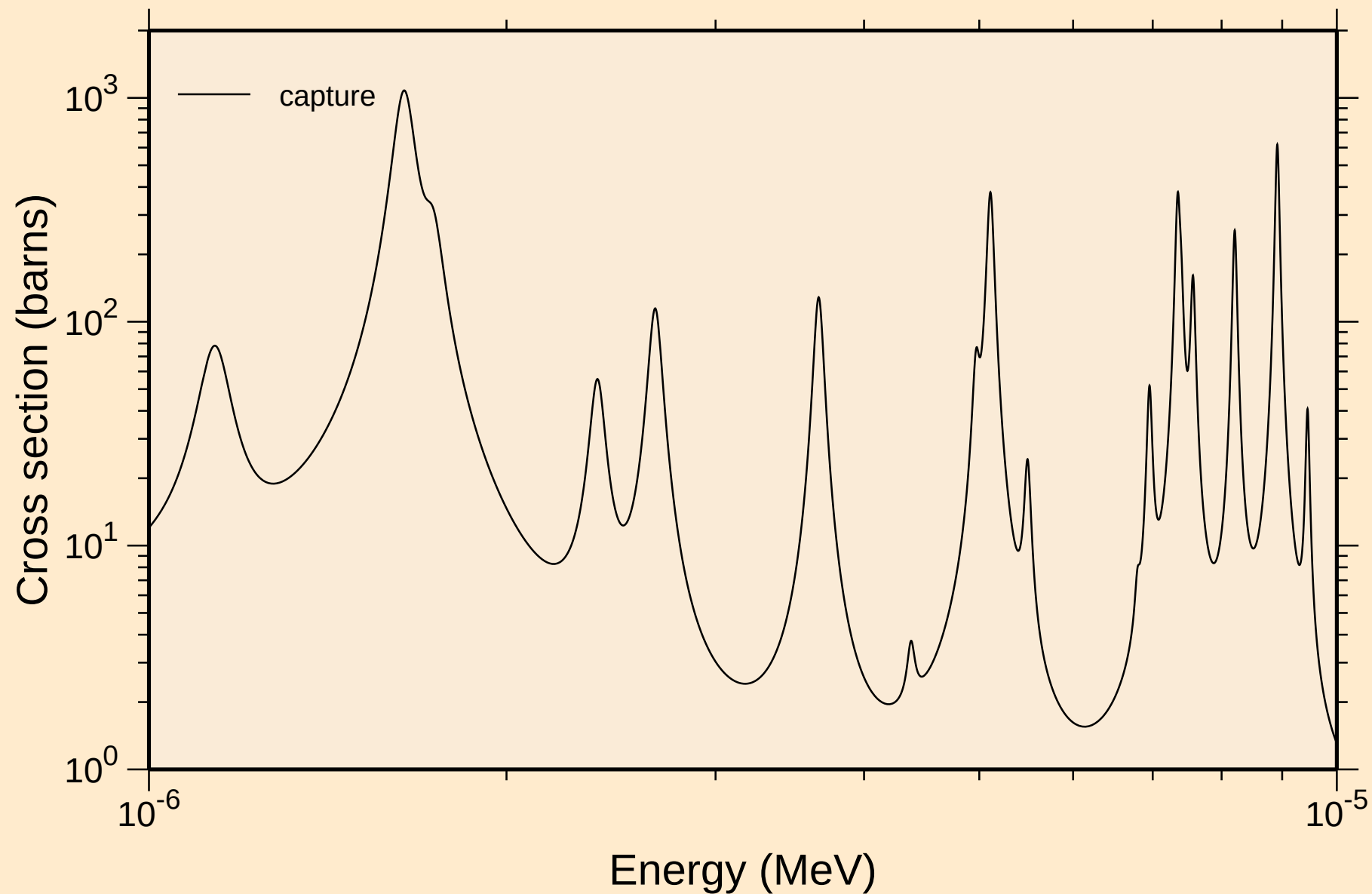
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



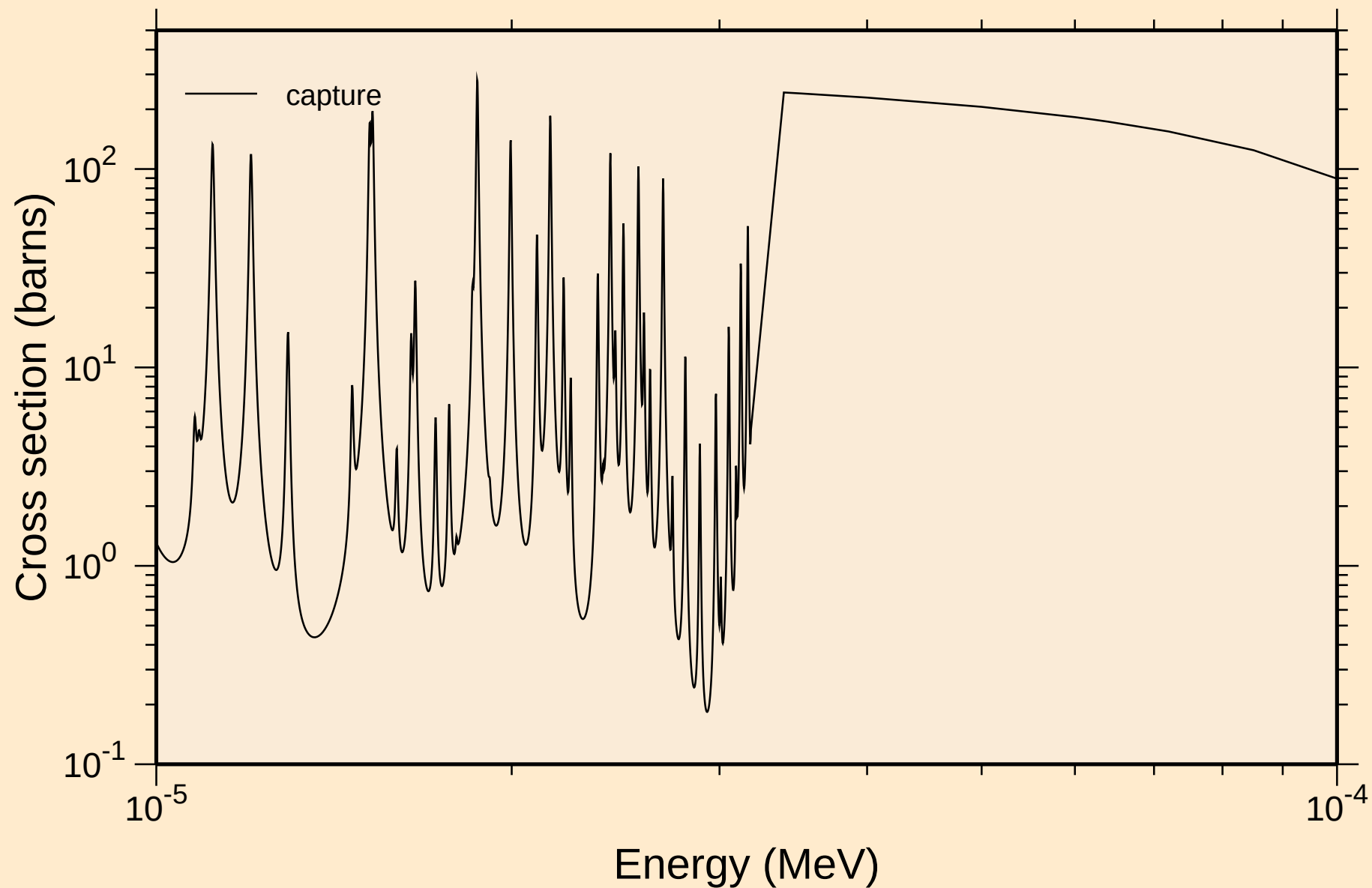
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

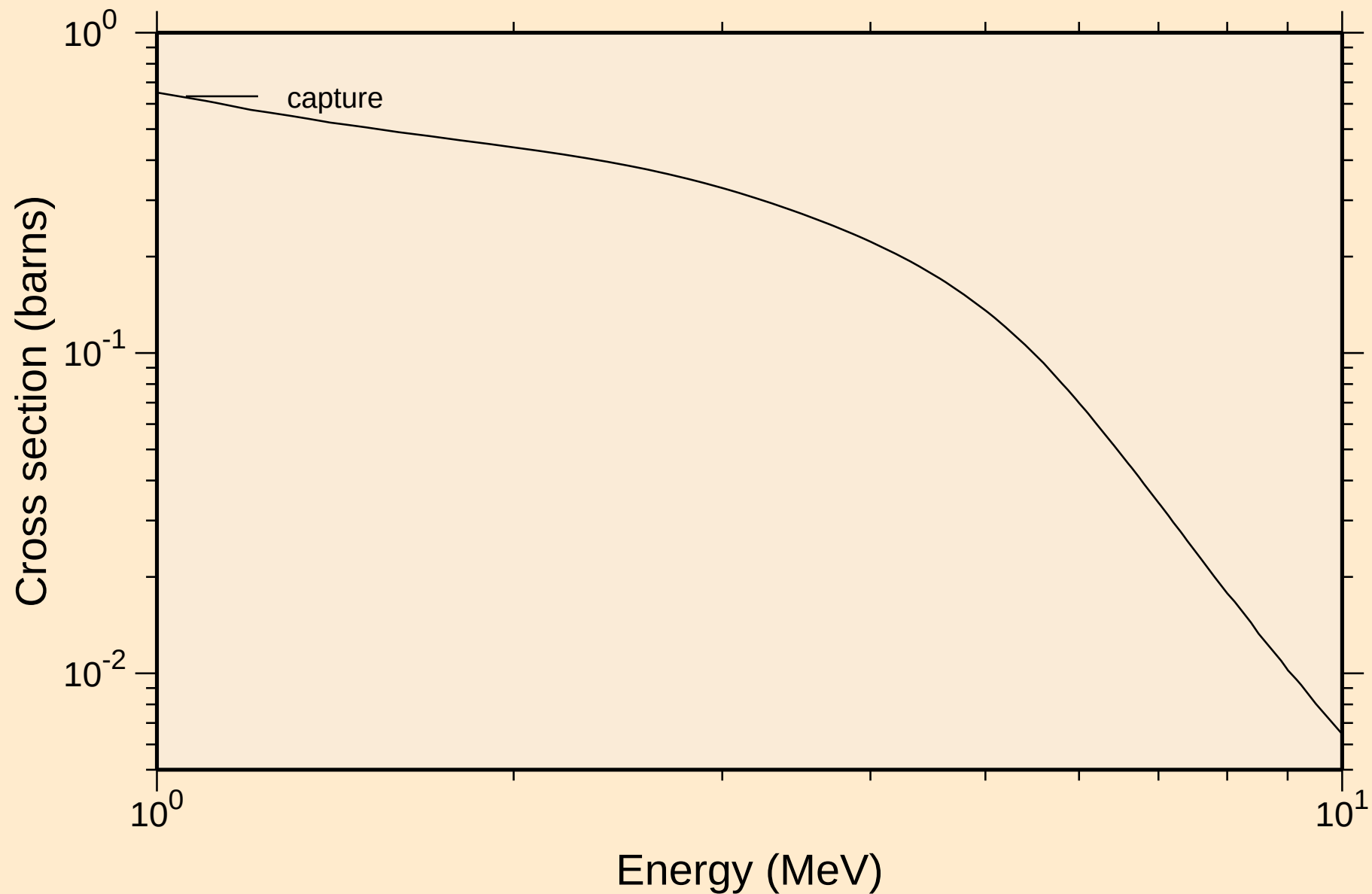


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



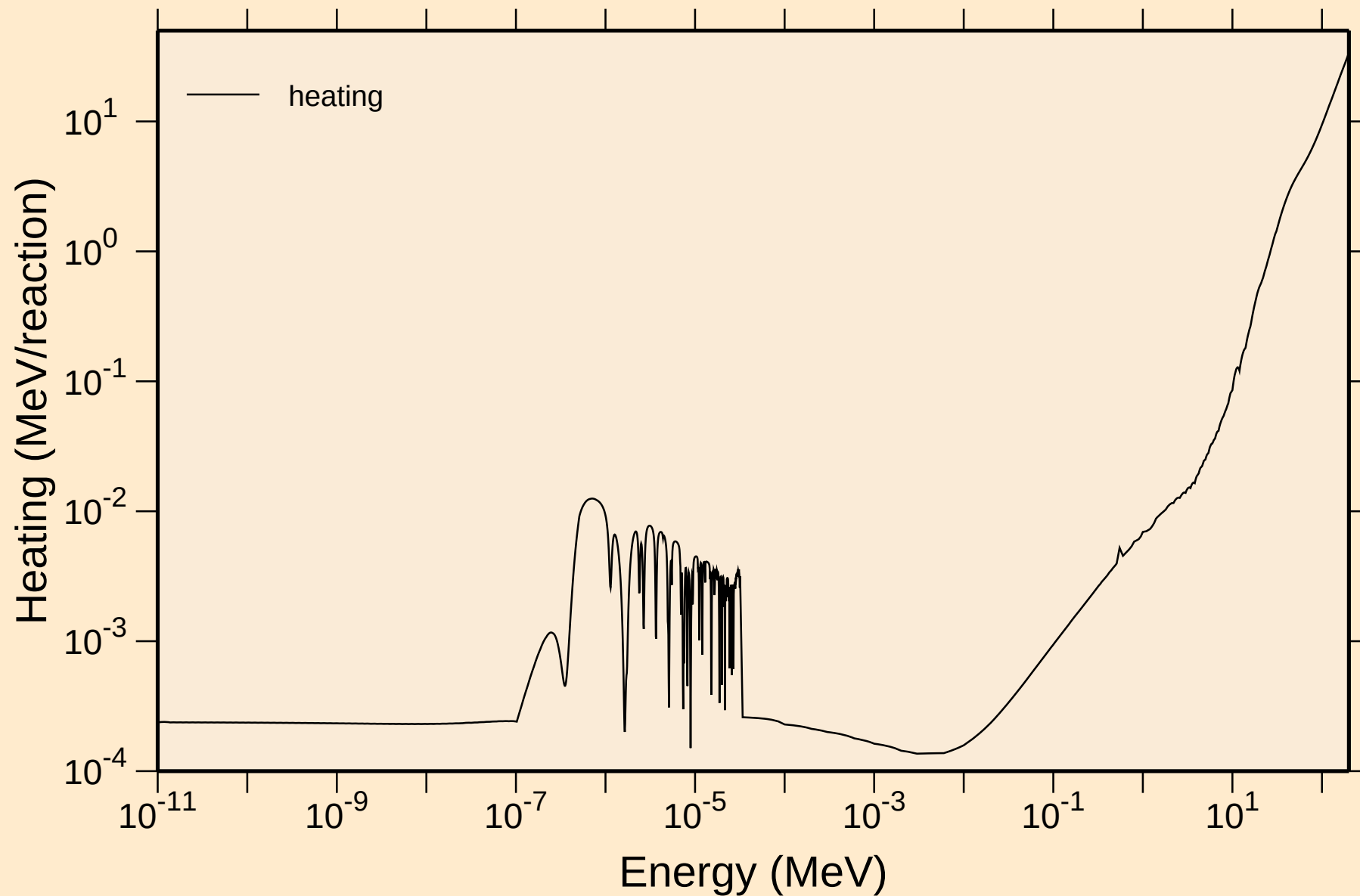


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



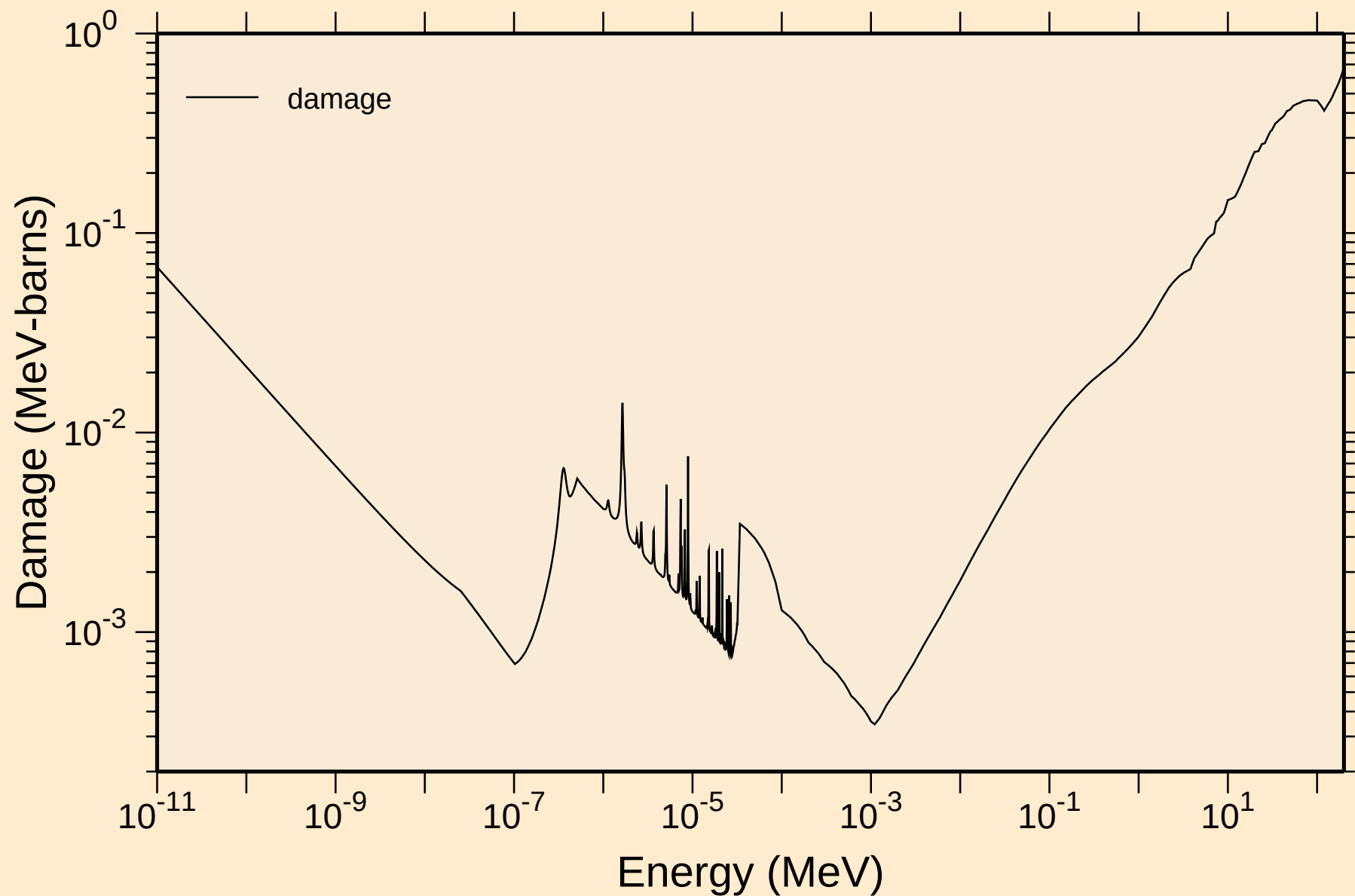
# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

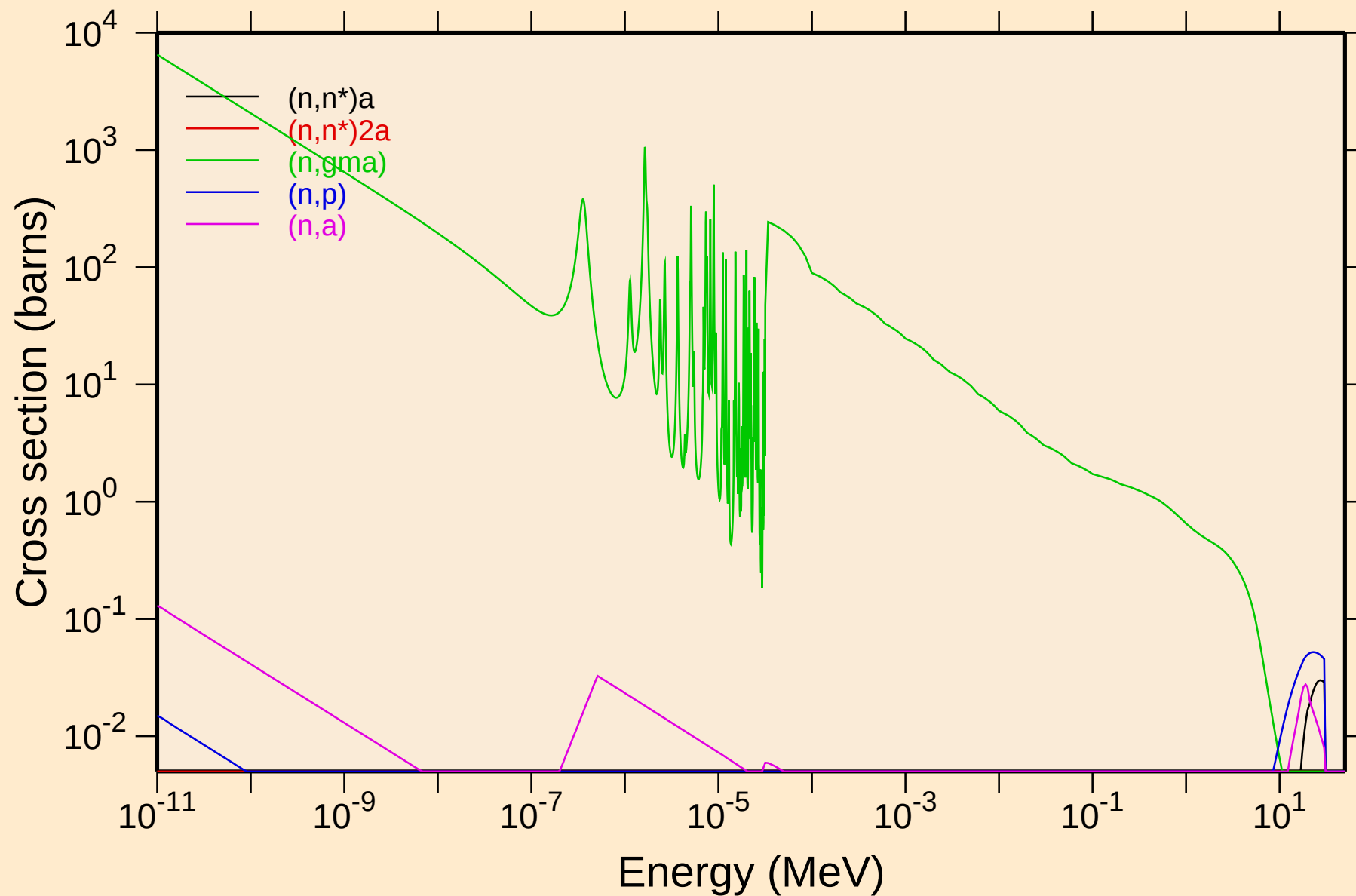


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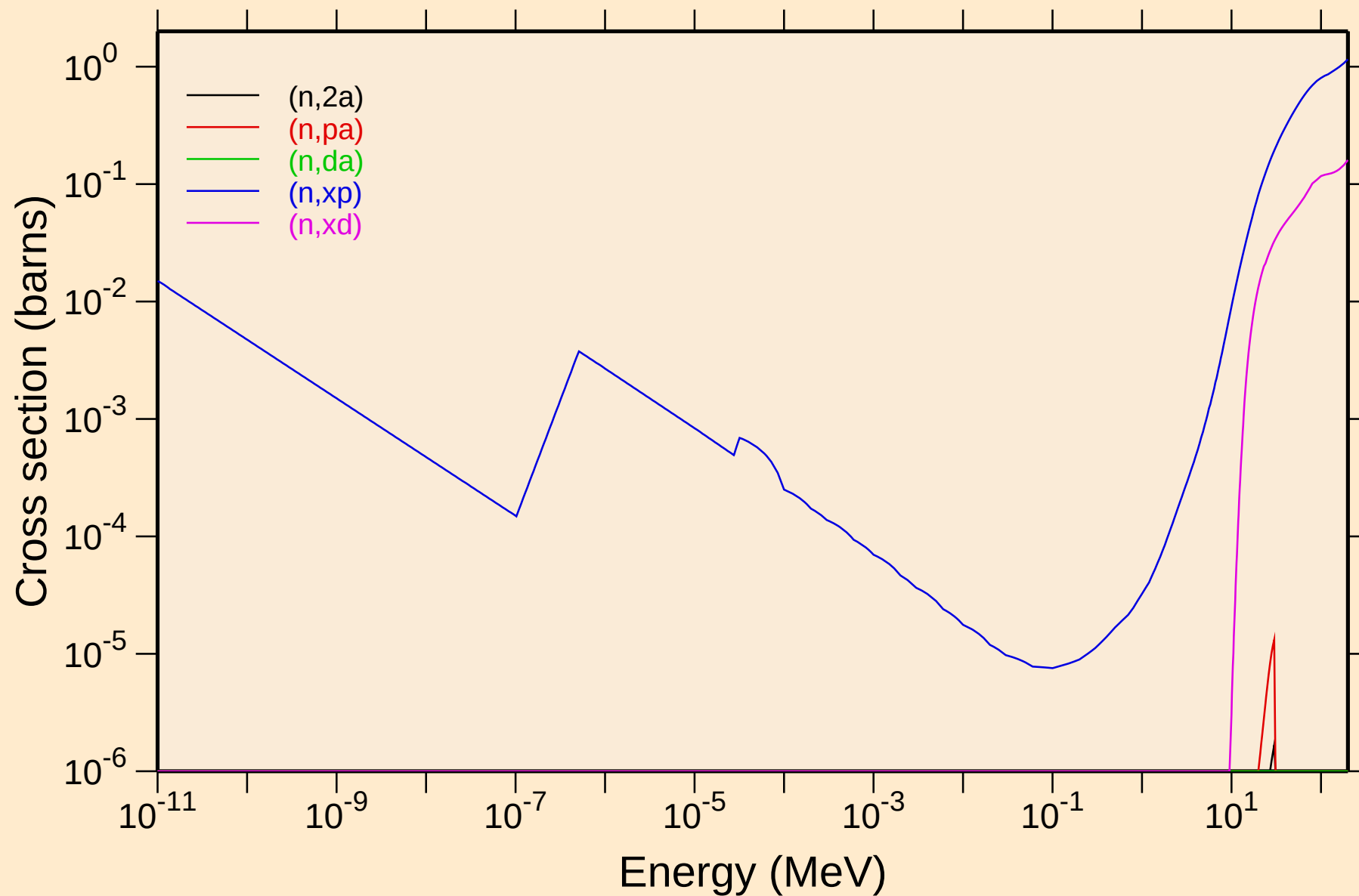
Damage



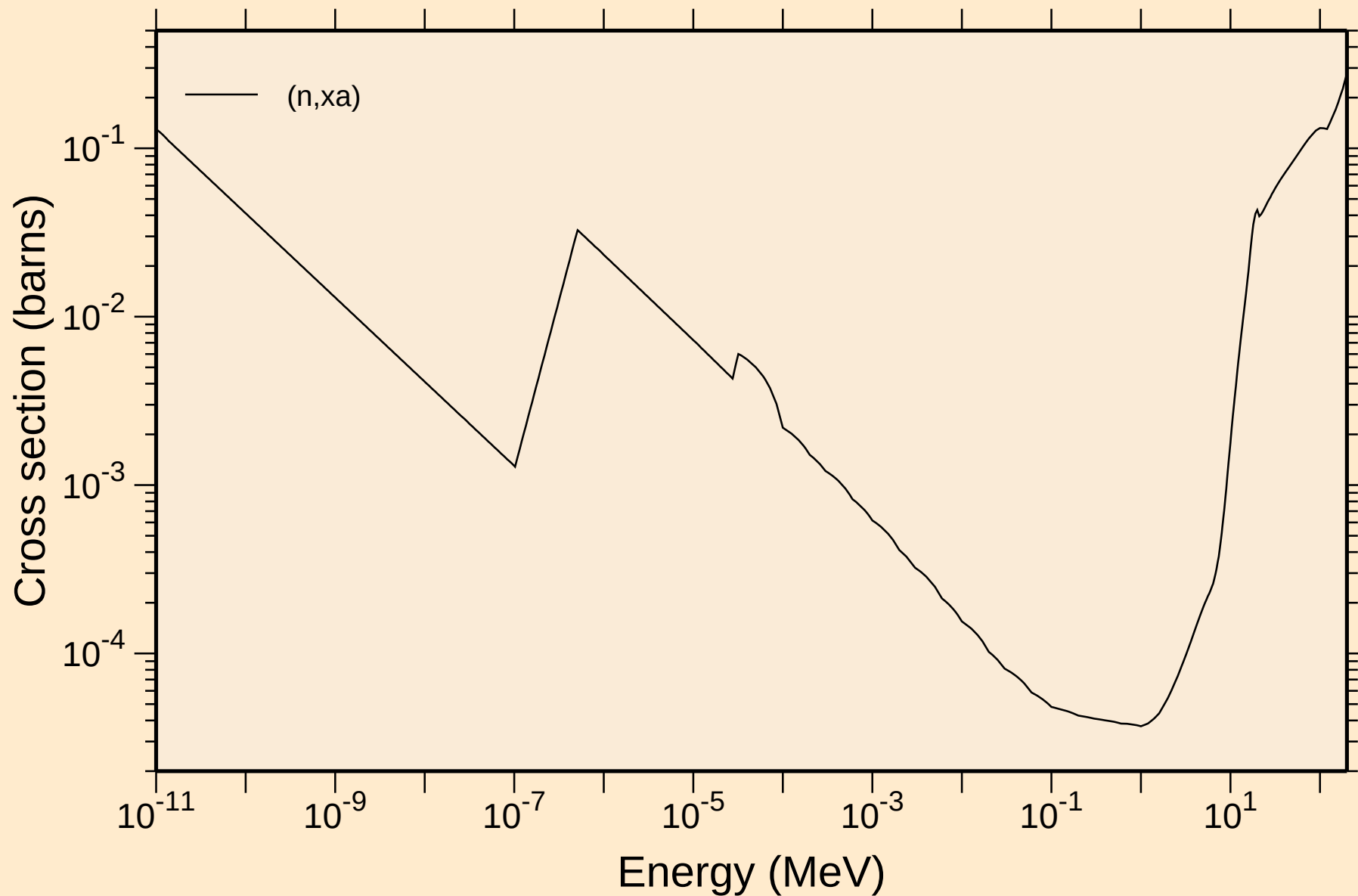
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

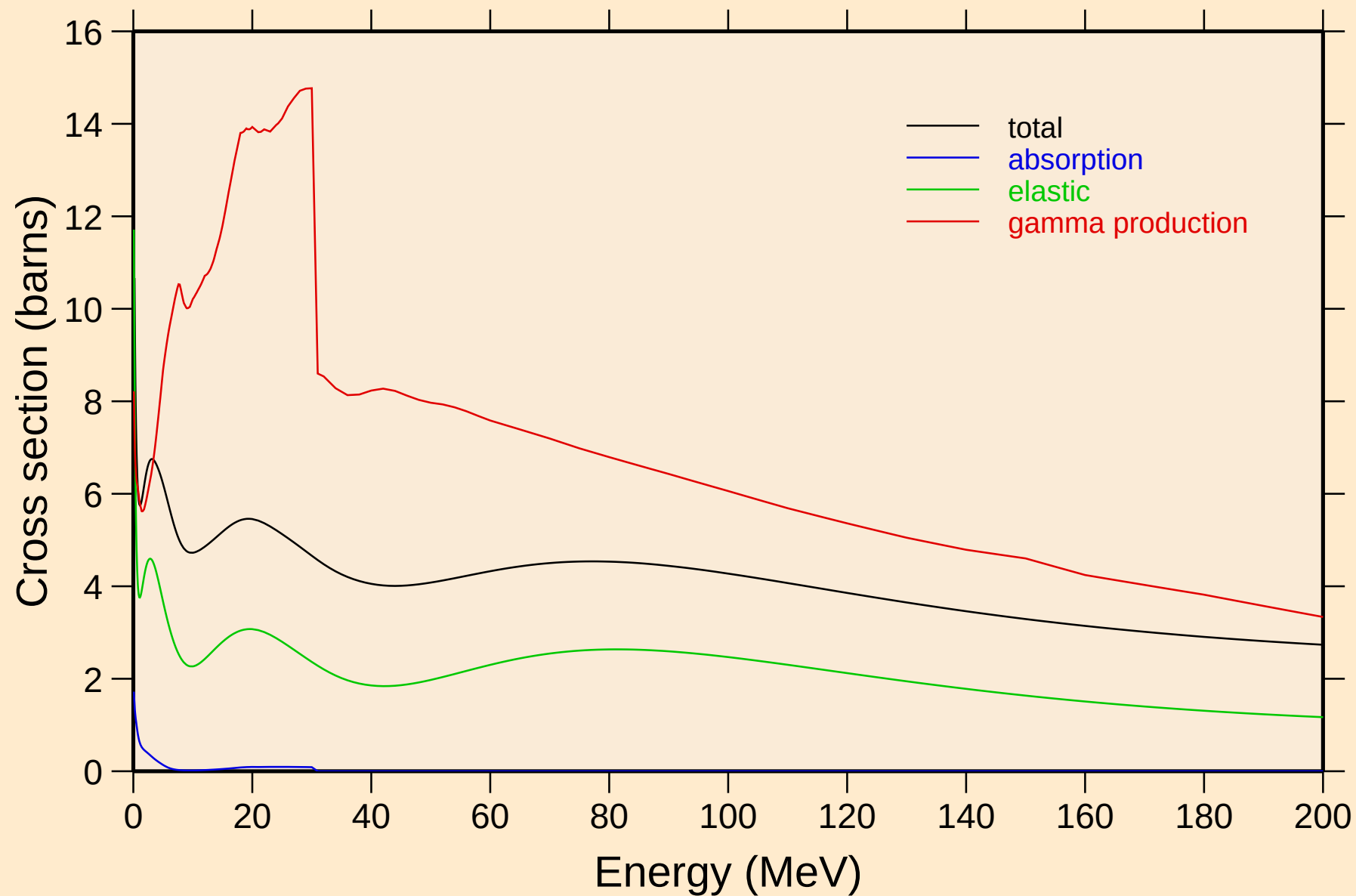


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



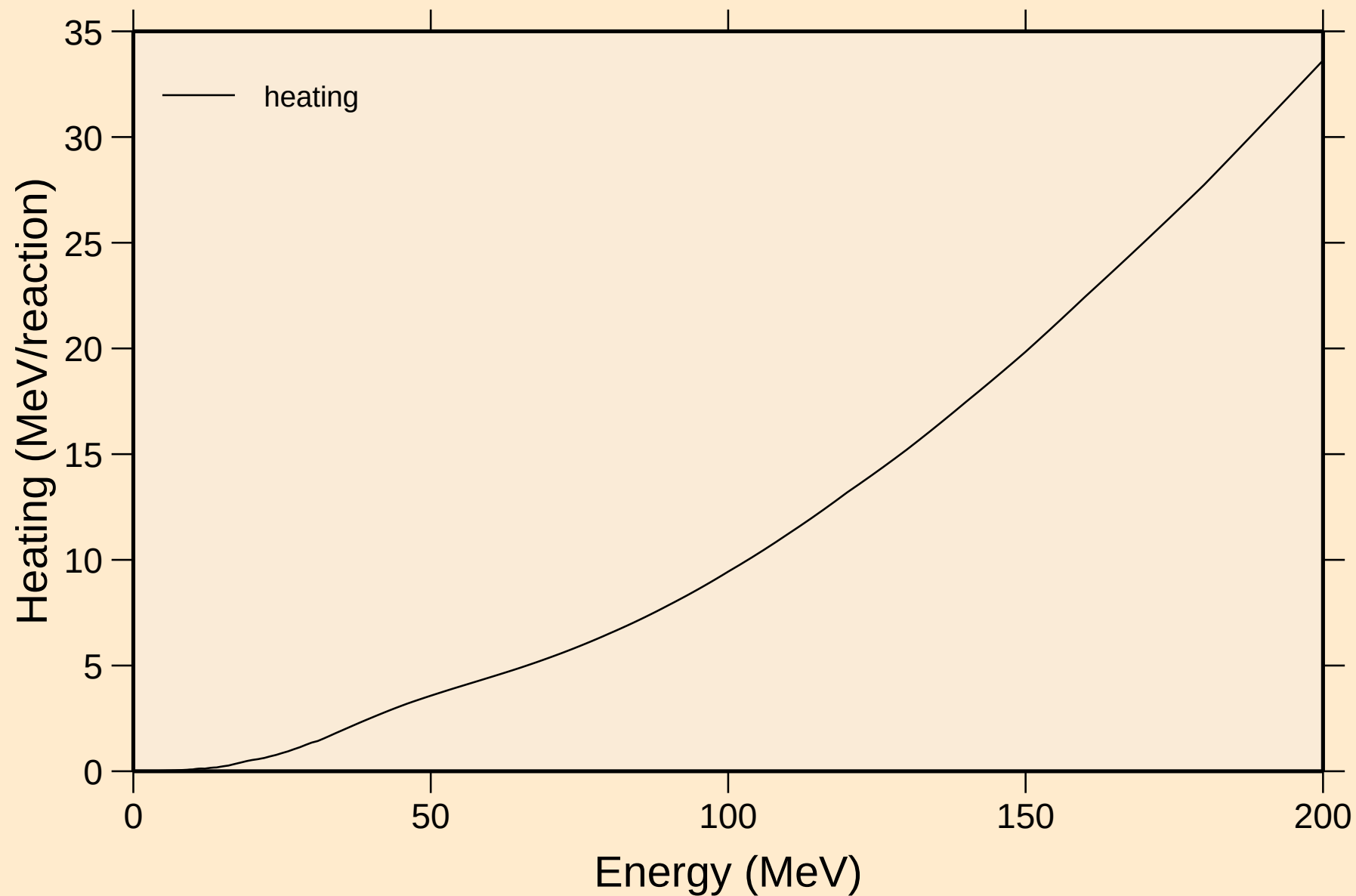
# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

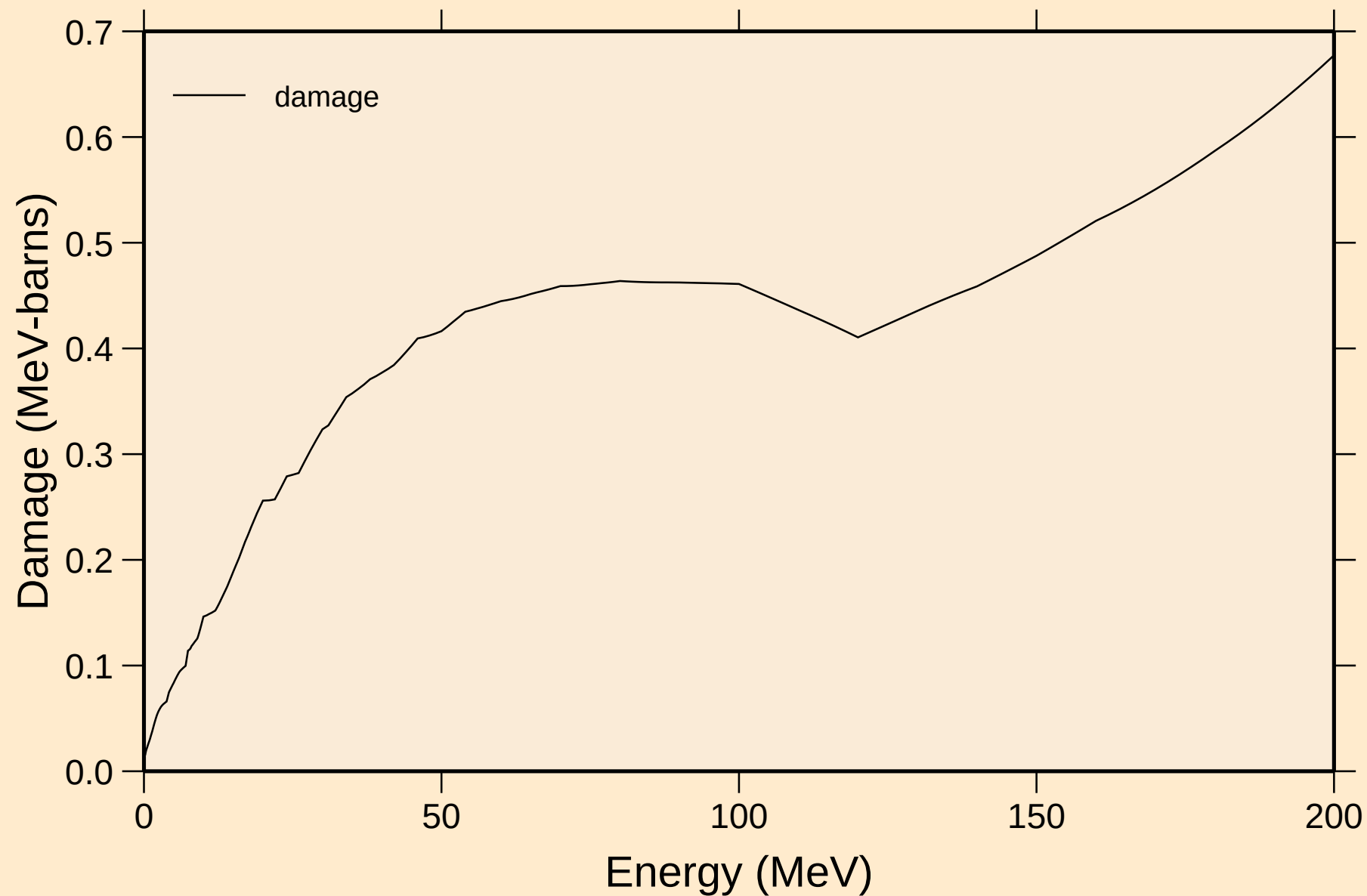
Heating



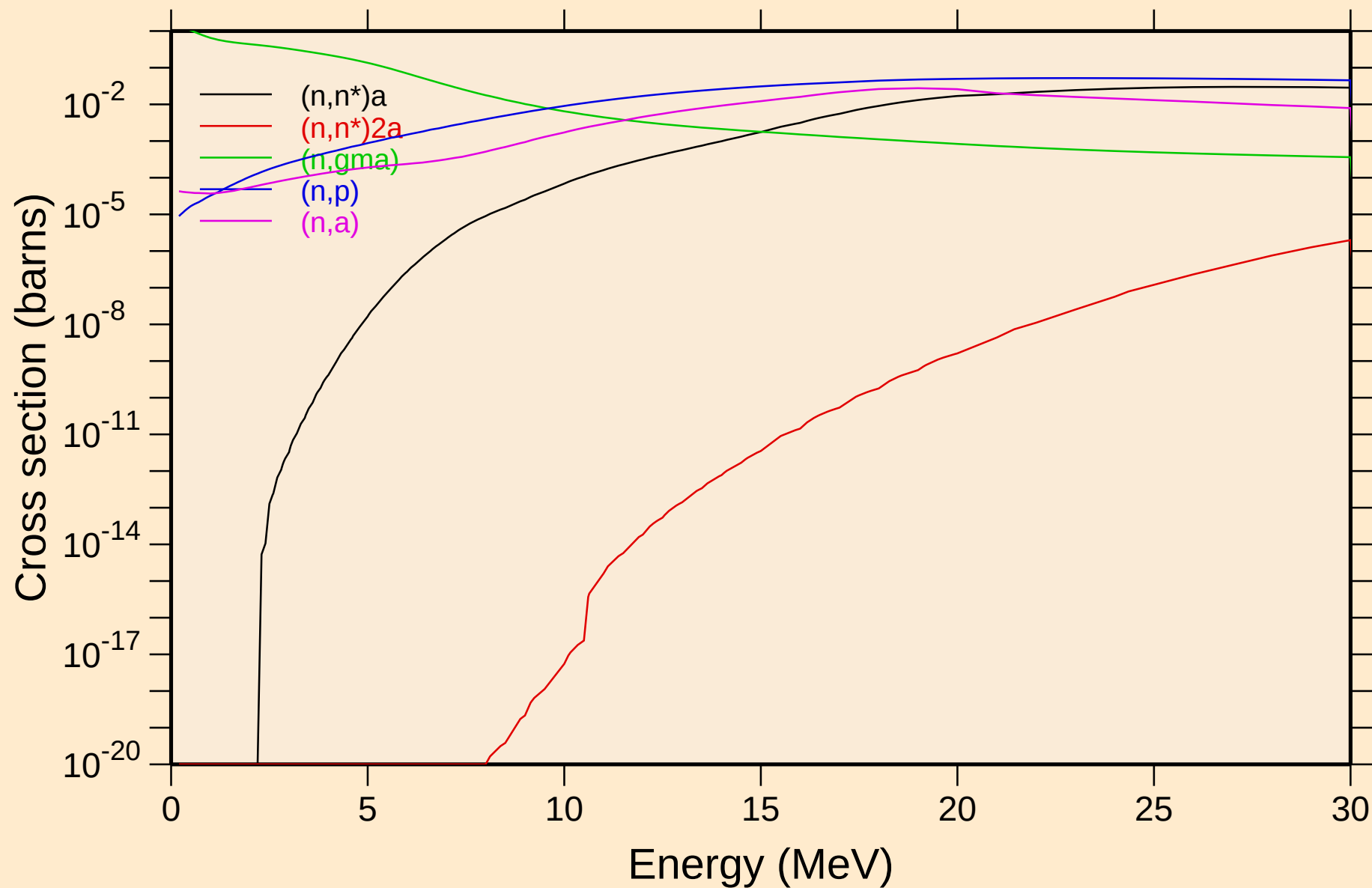


# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

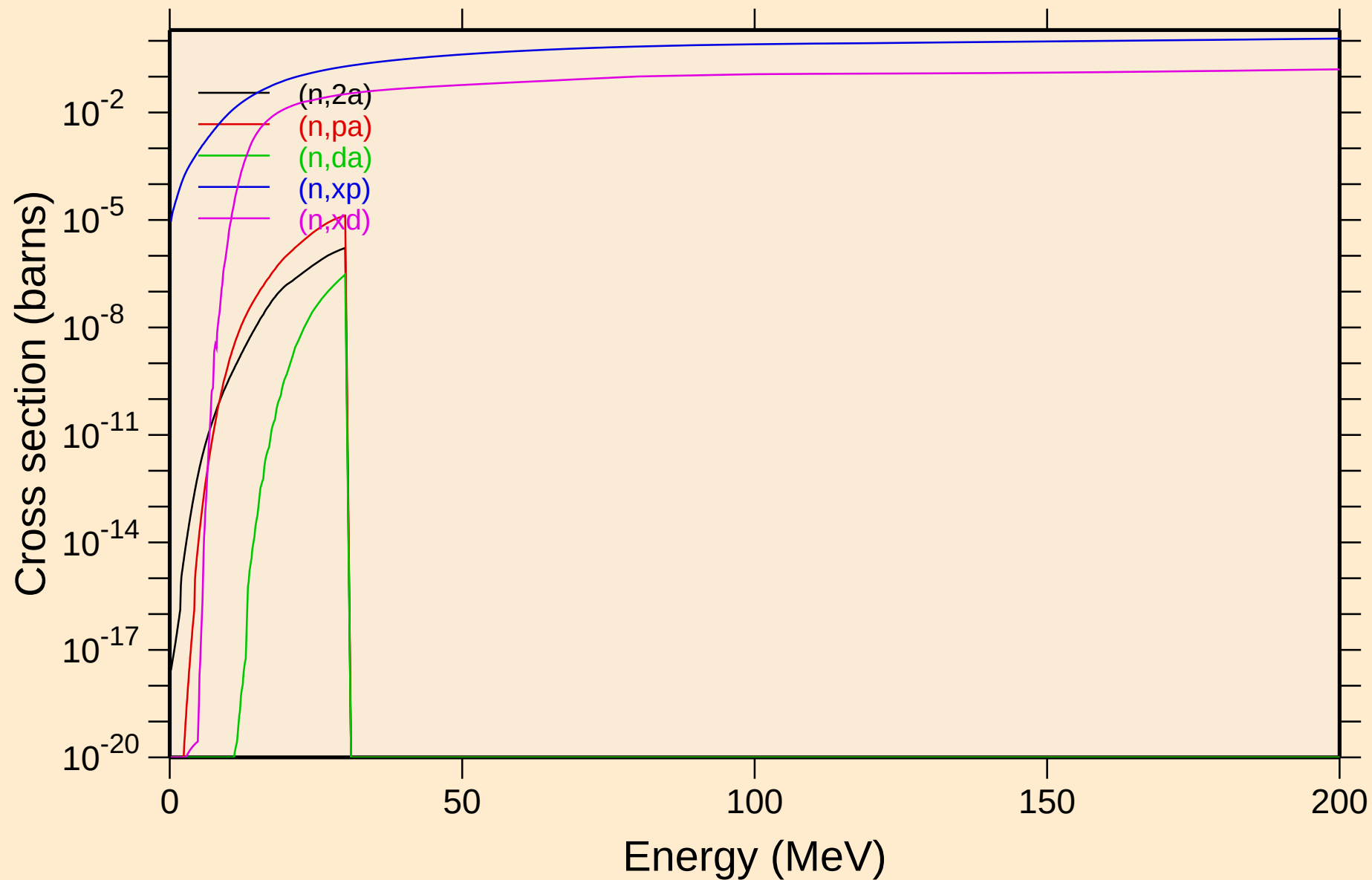
Damage



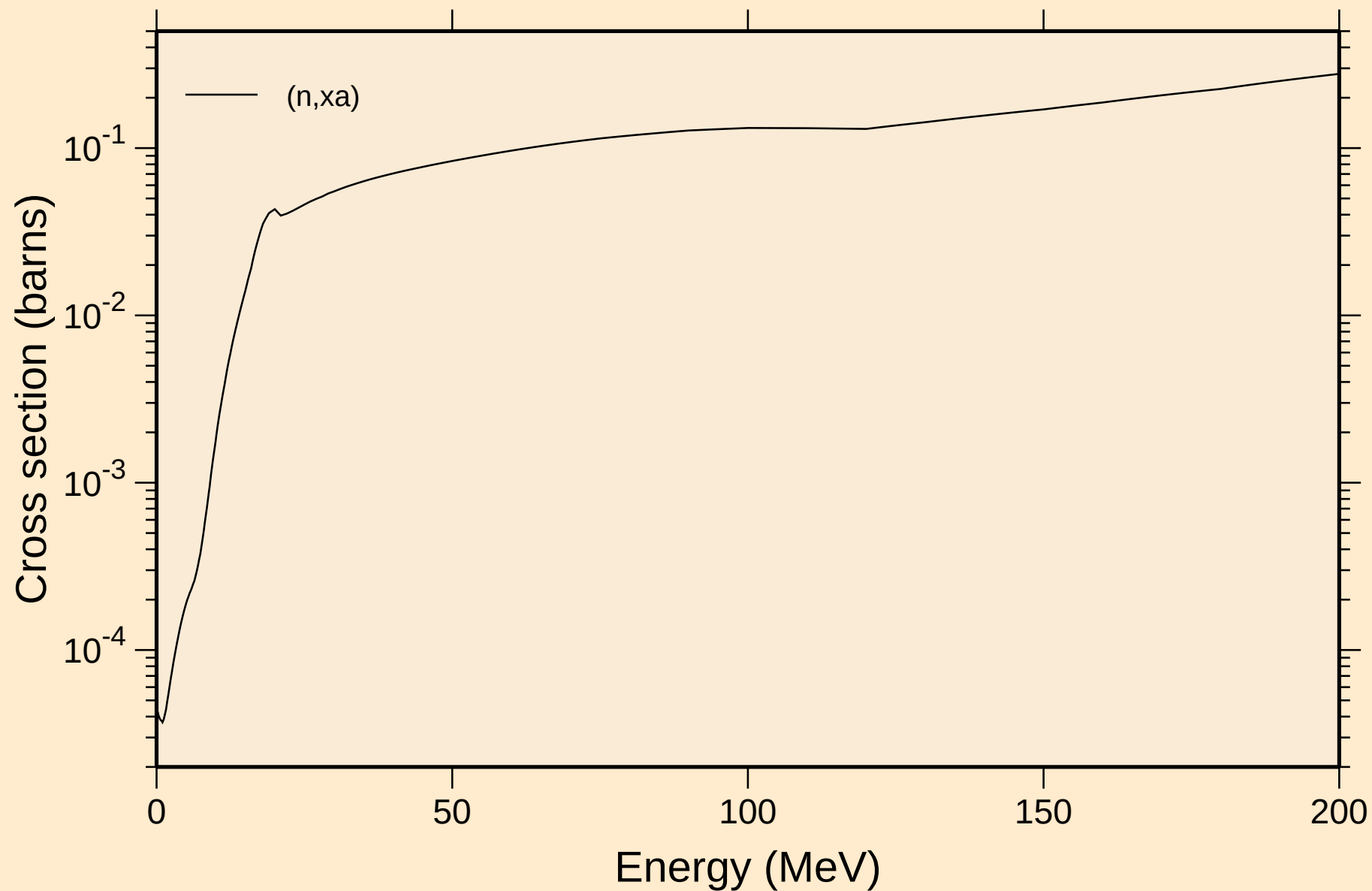
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

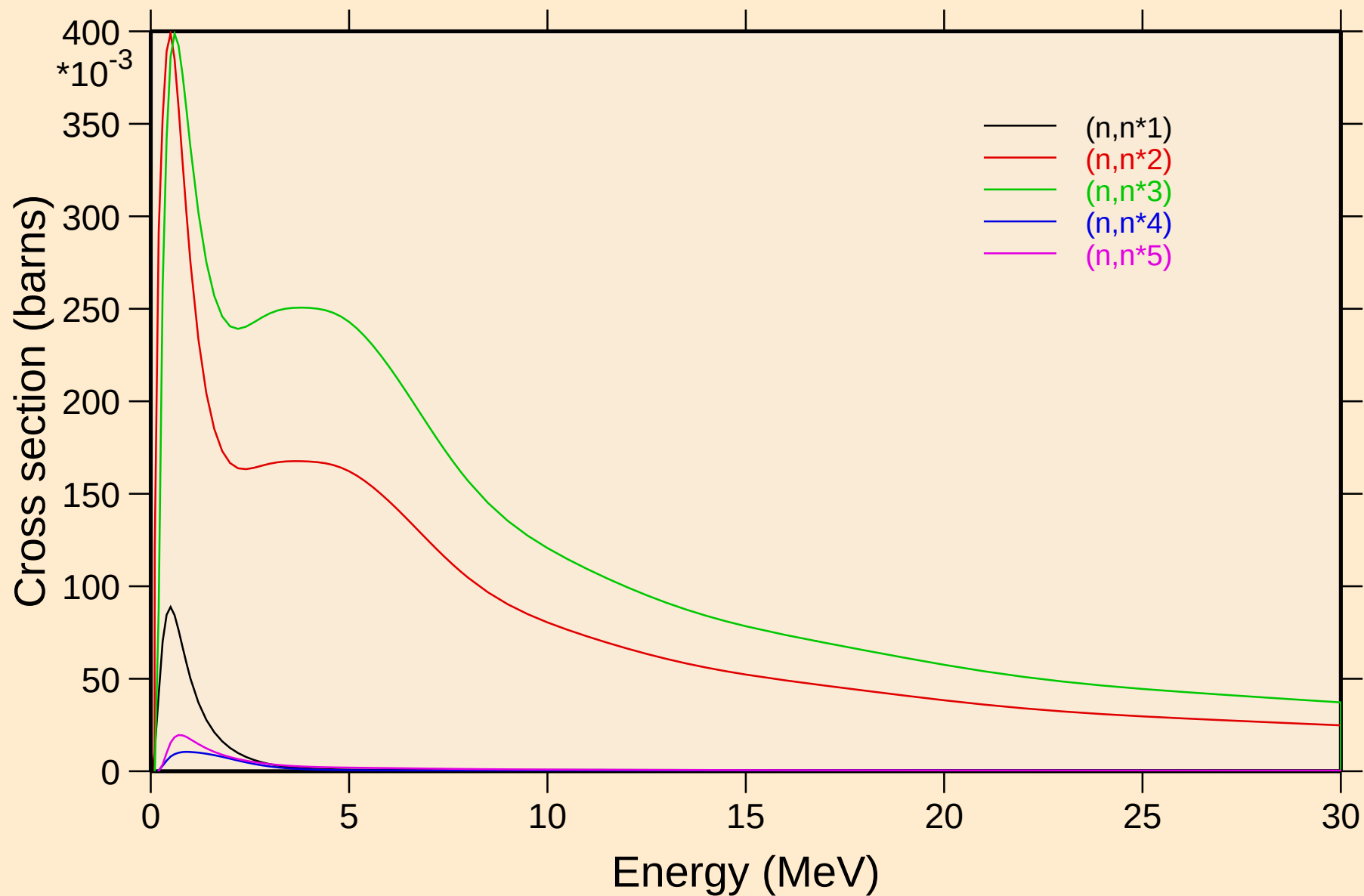


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



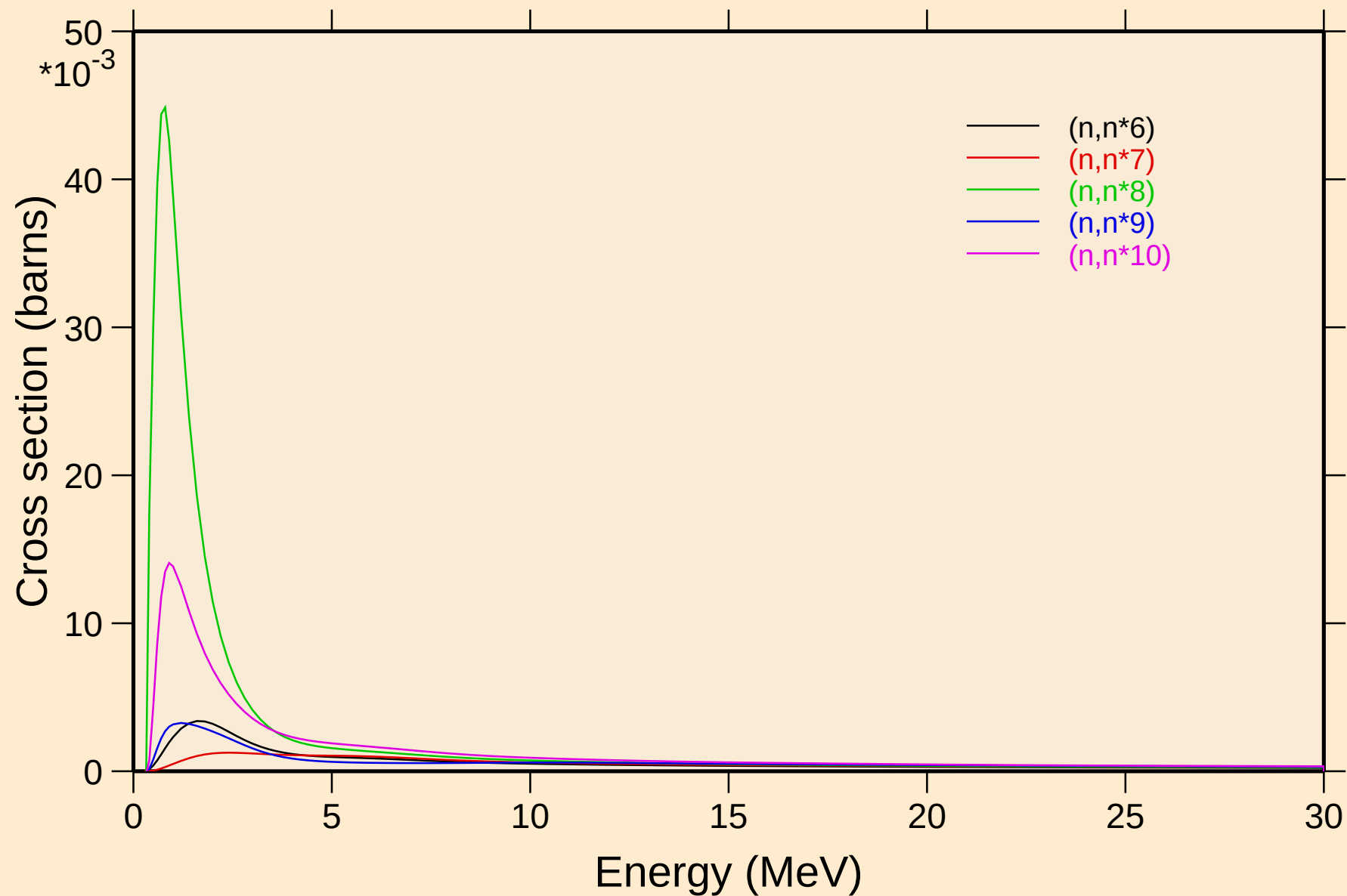
# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

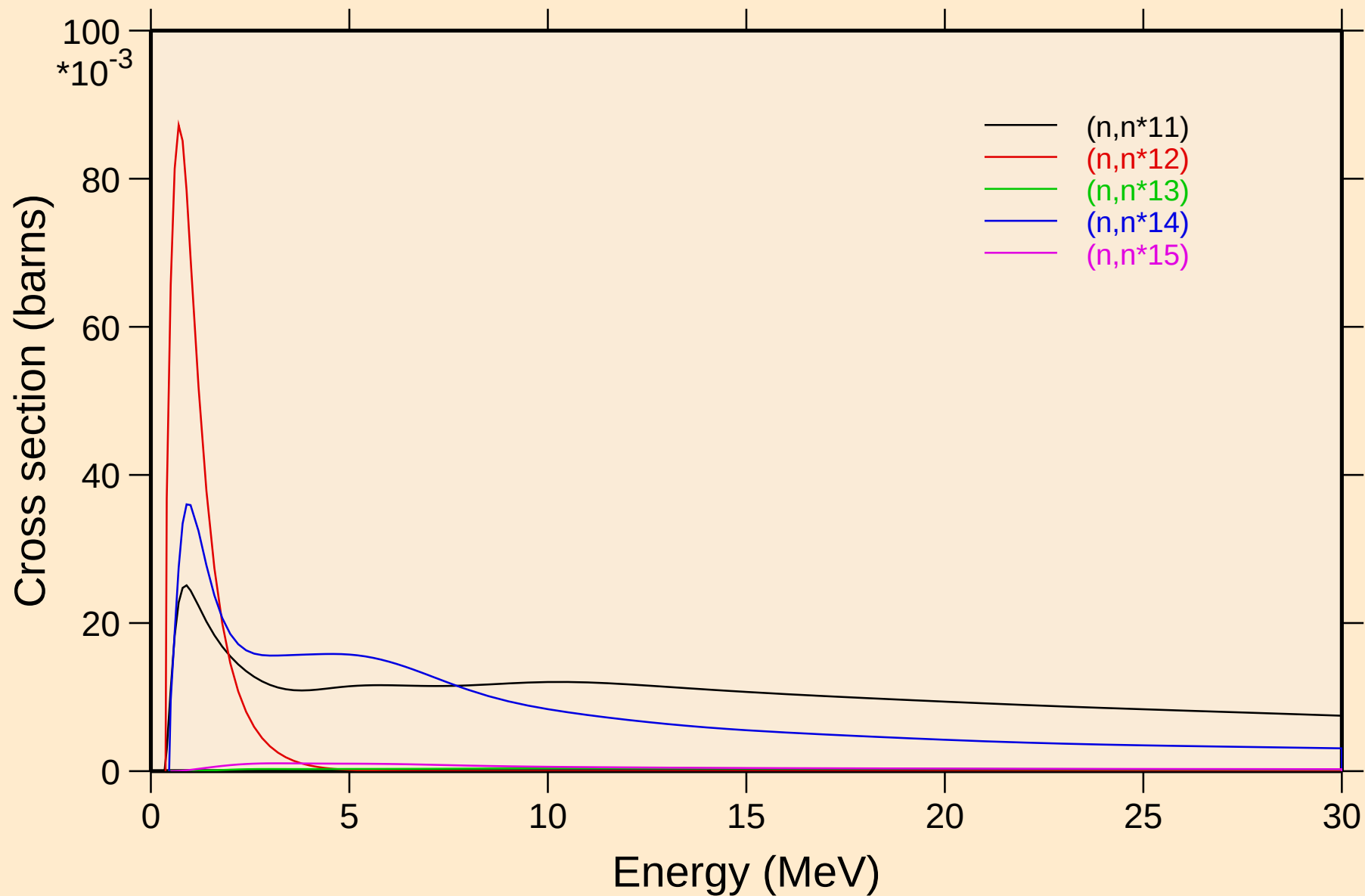


# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

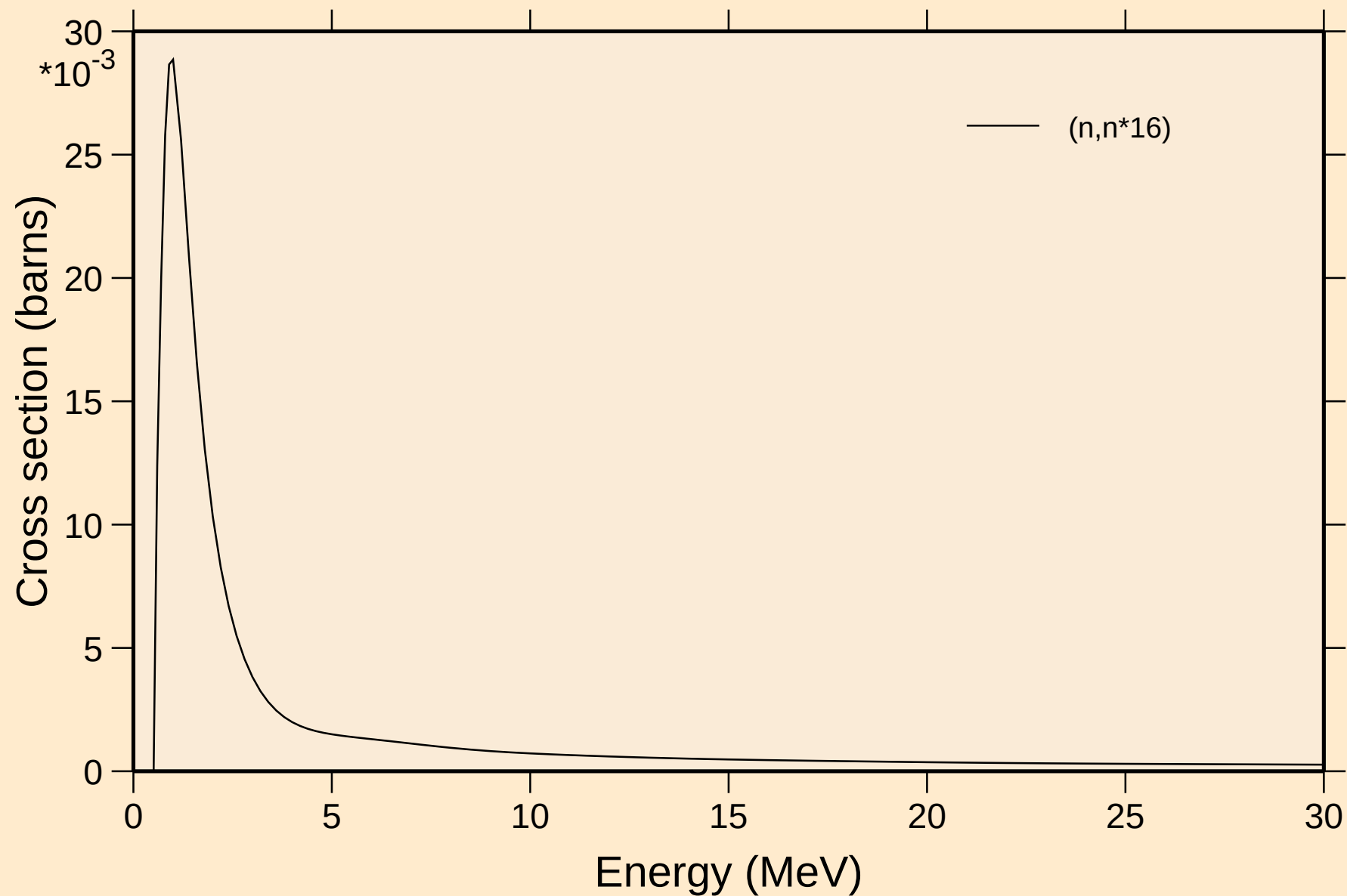


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

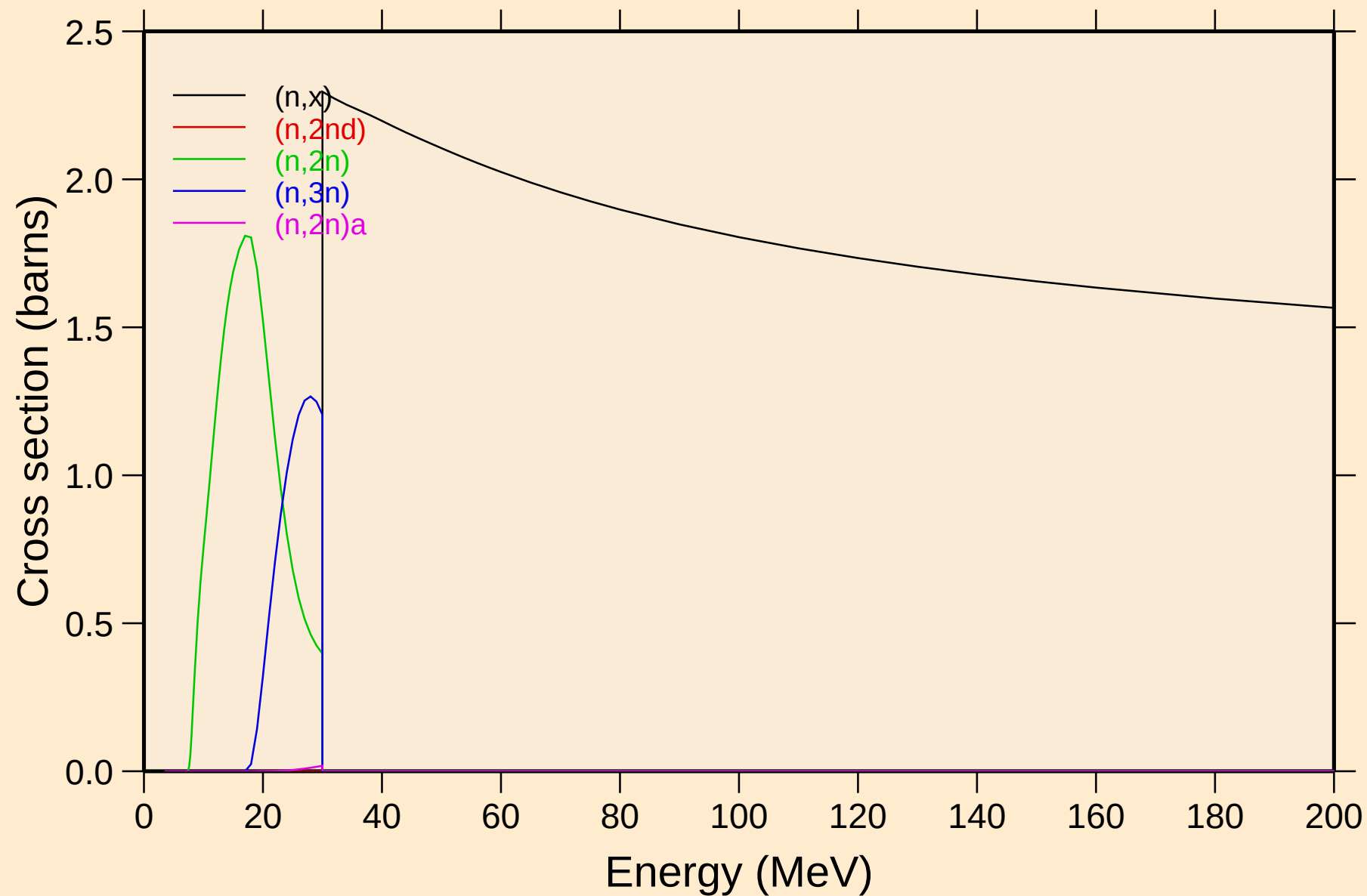
Inelastic levels





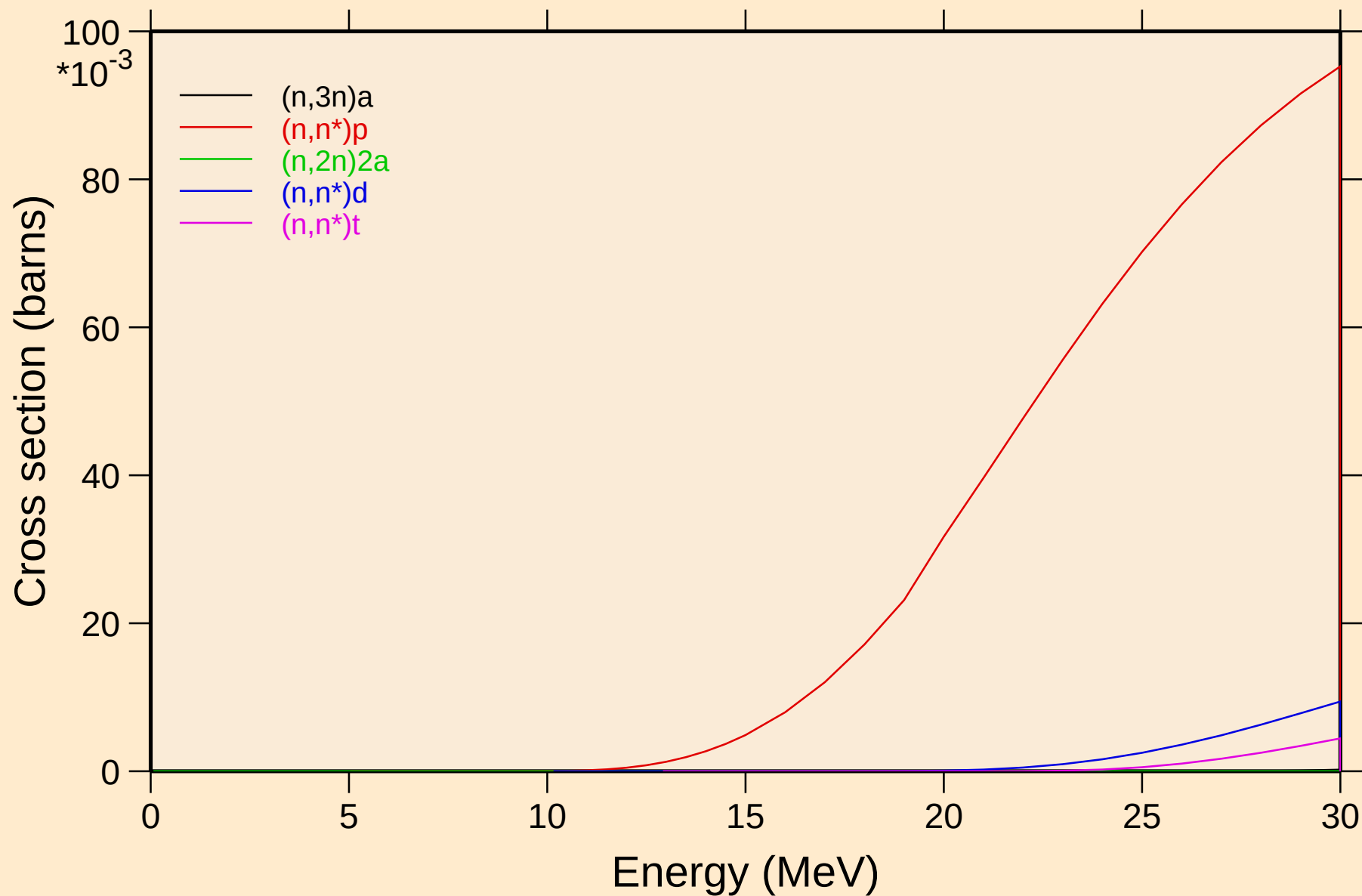
# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

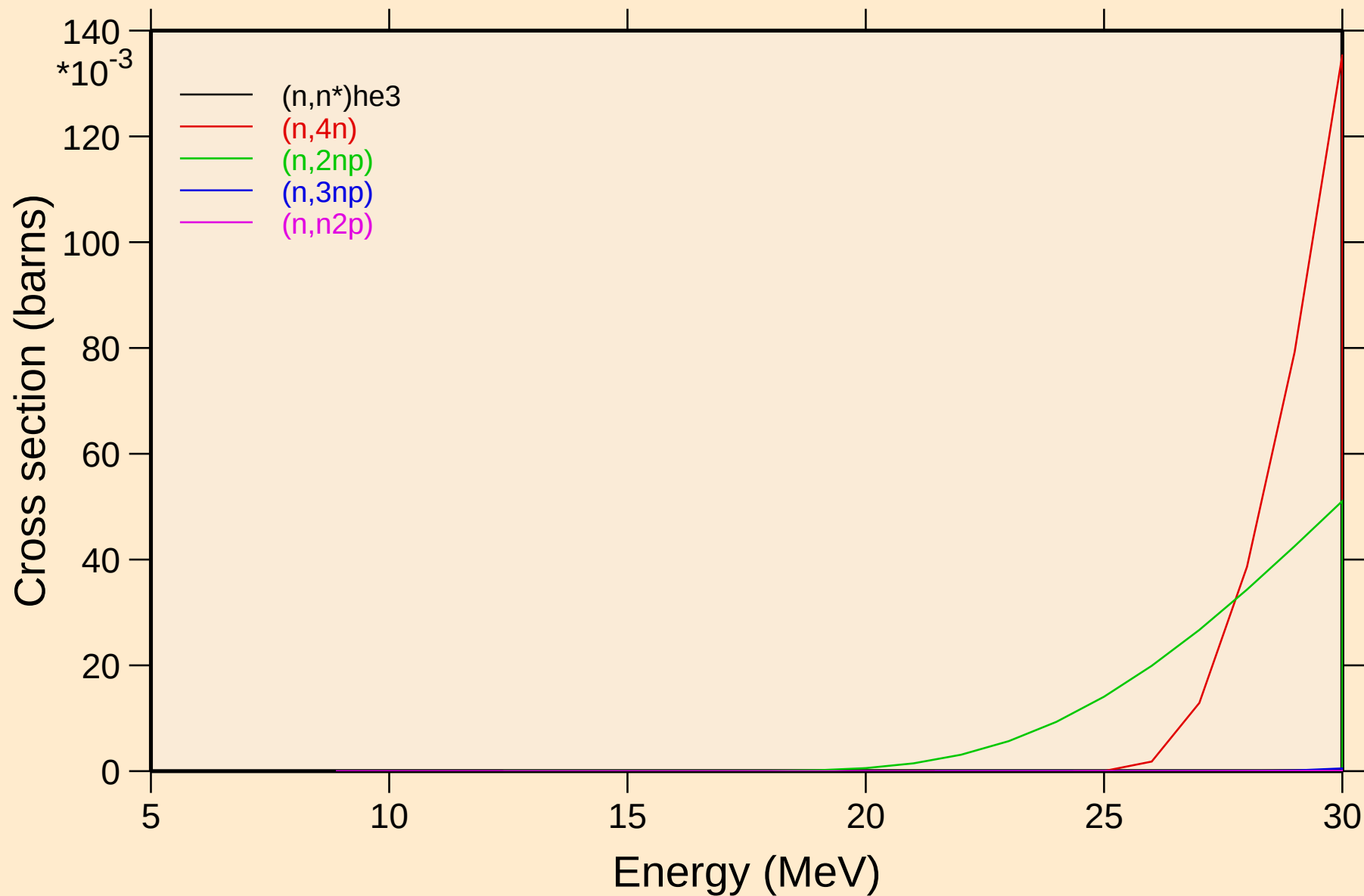


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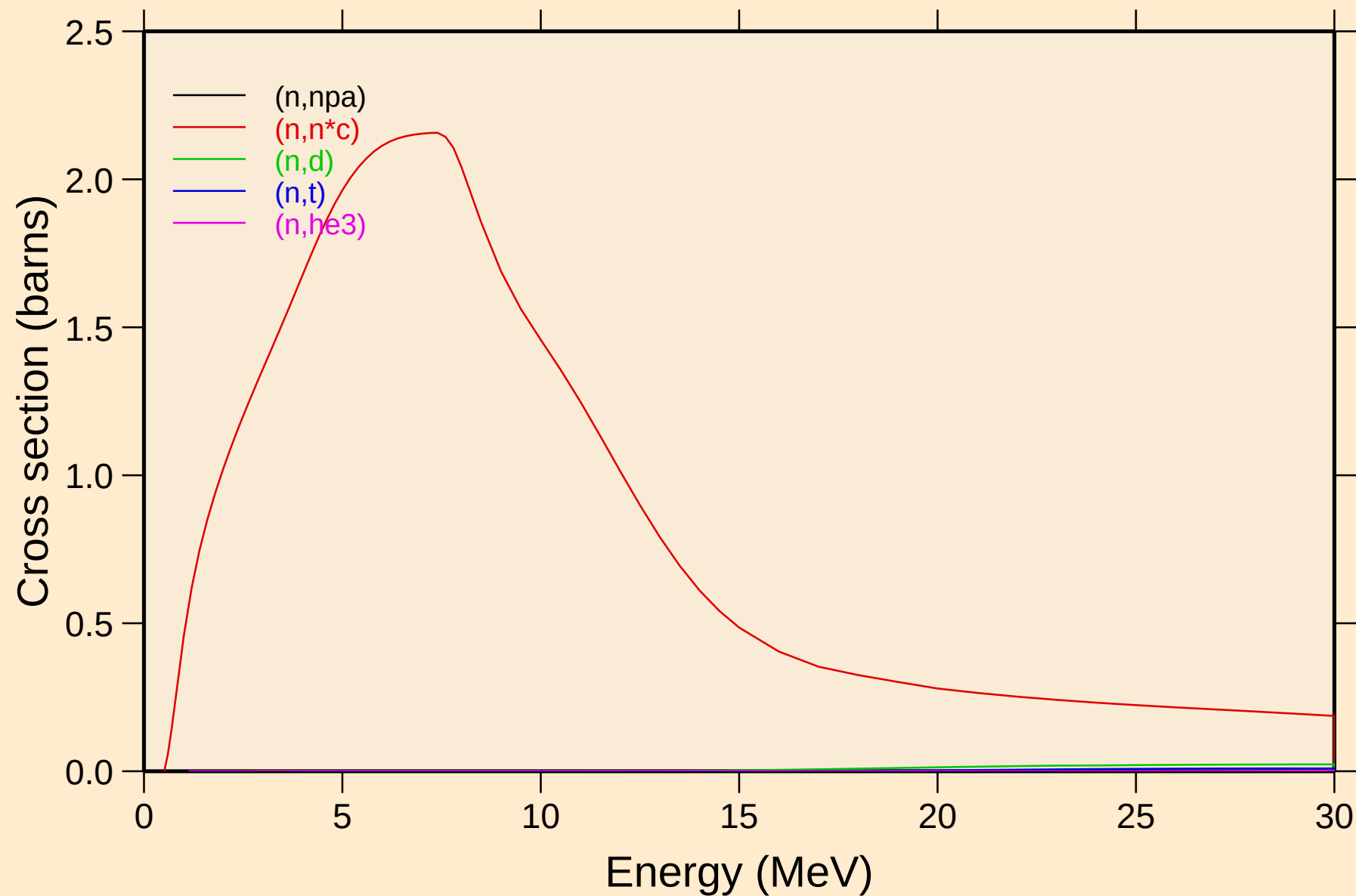
Threshold reactions



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

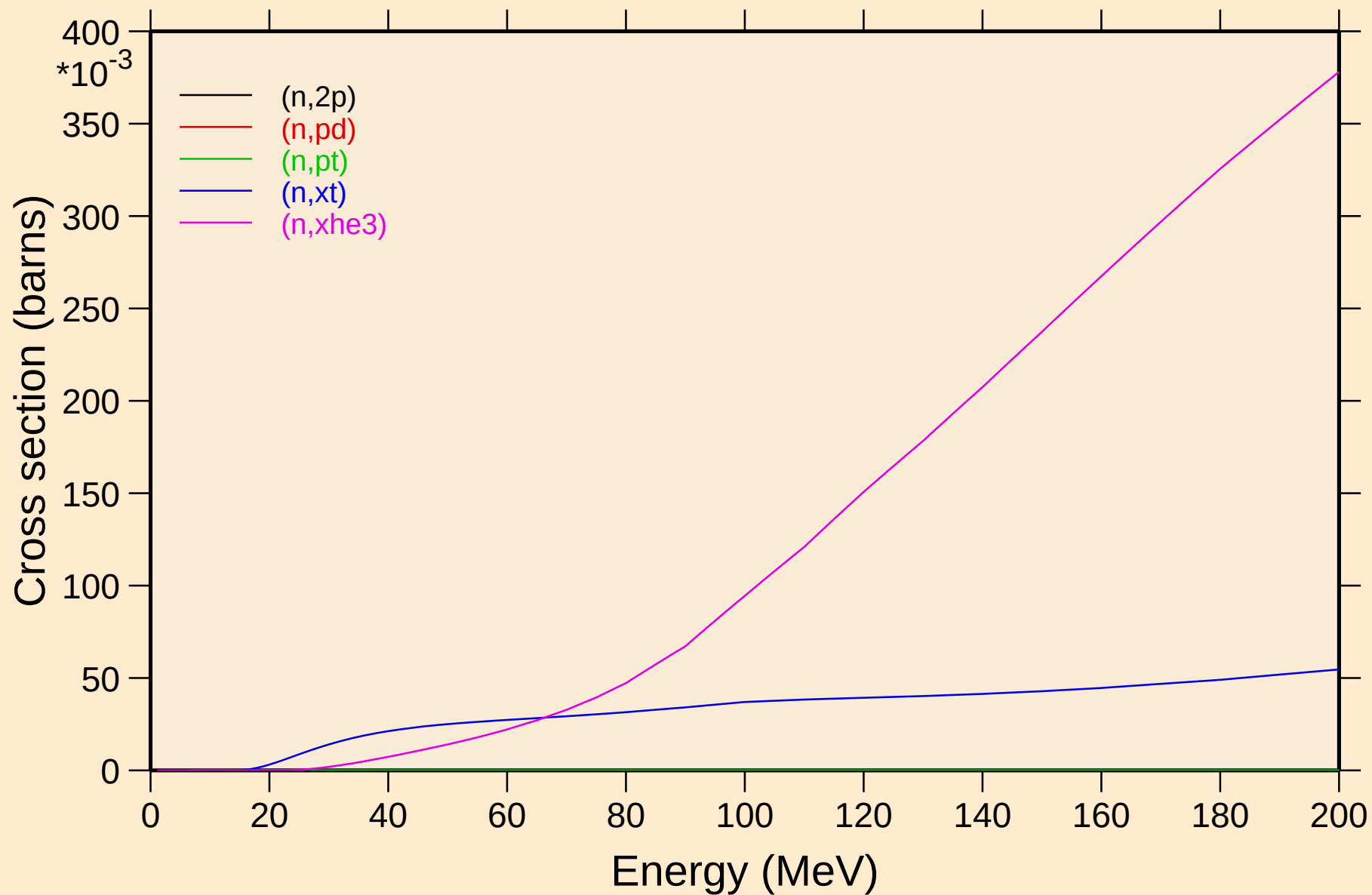


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

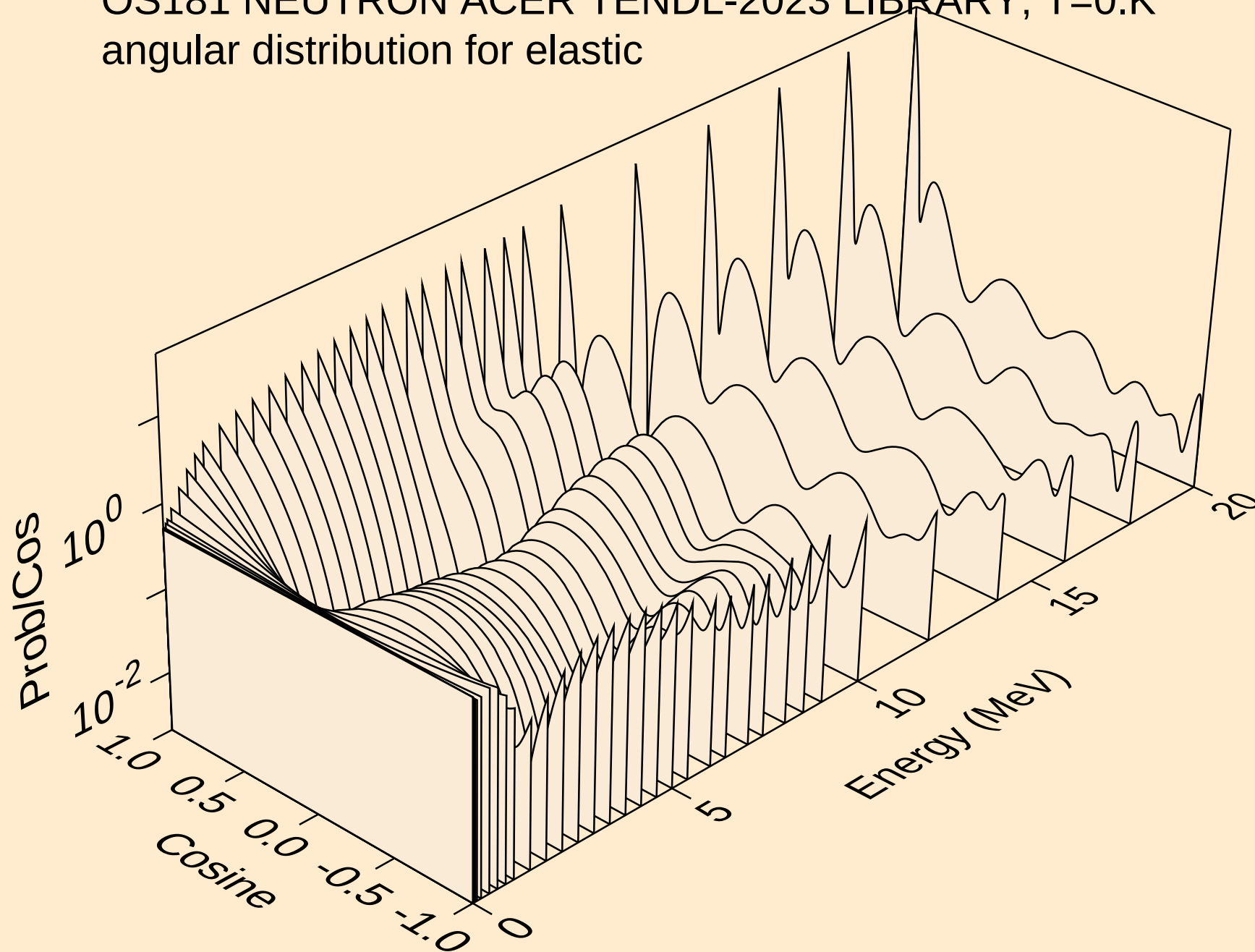


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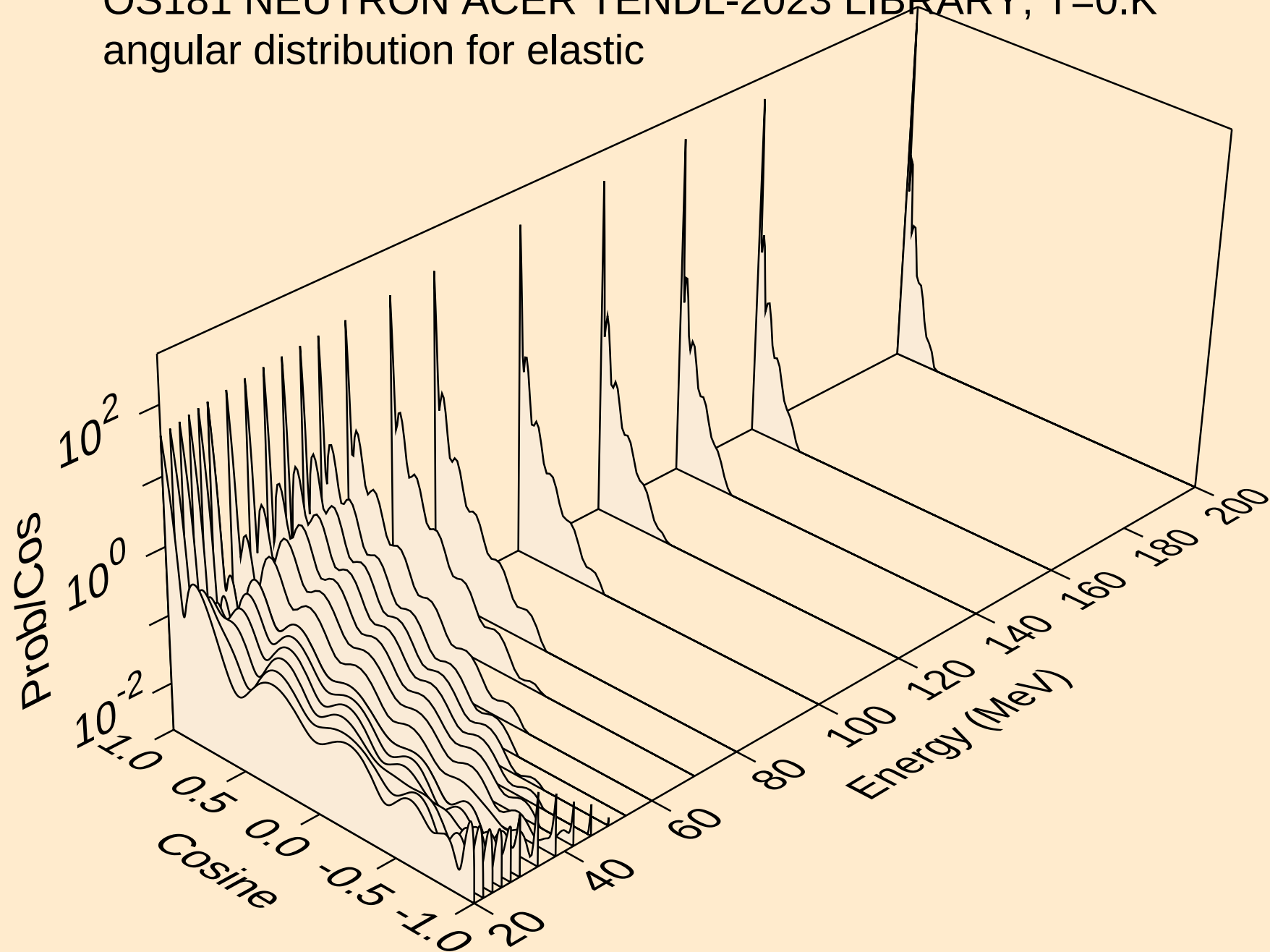
## Threshold reactions



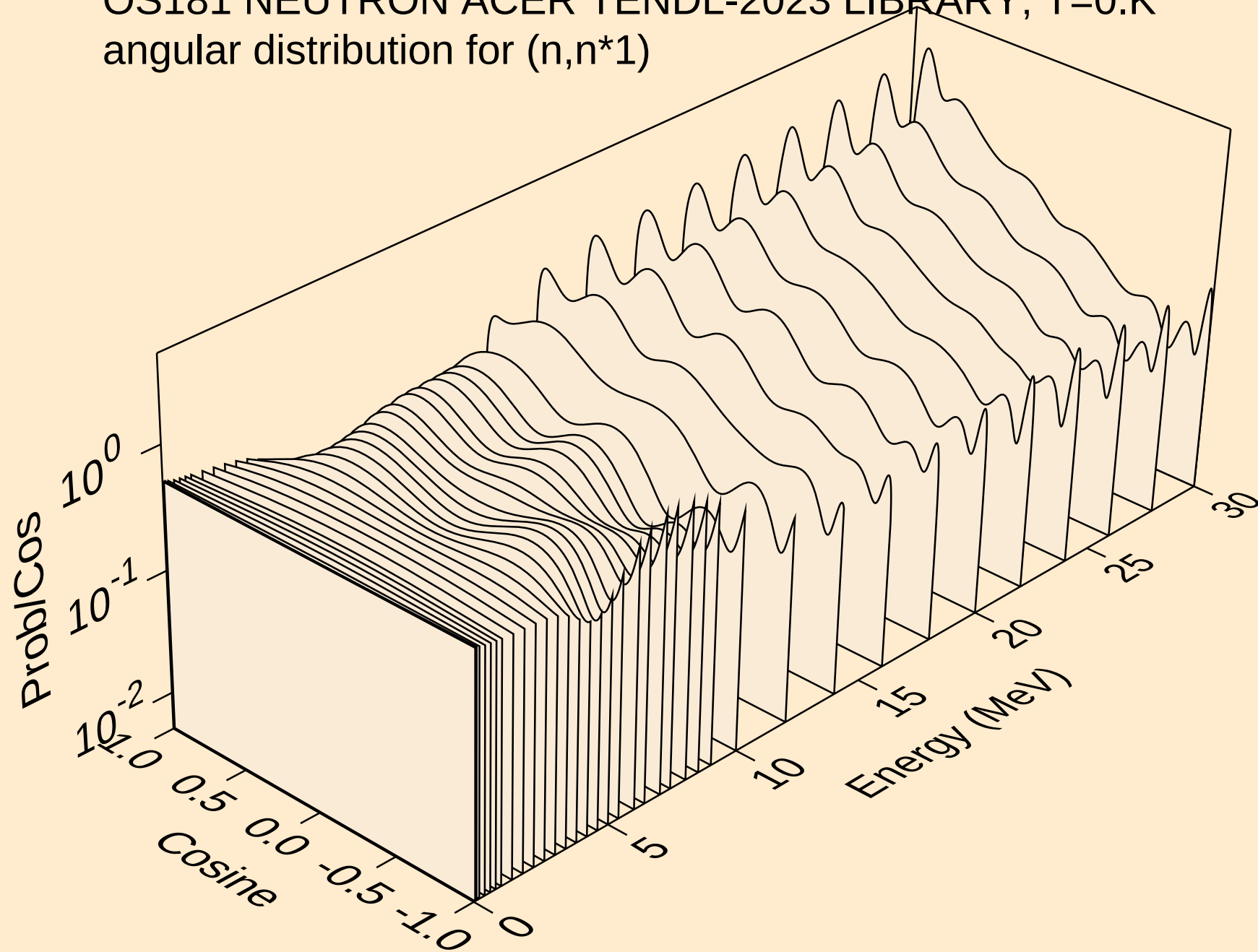
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

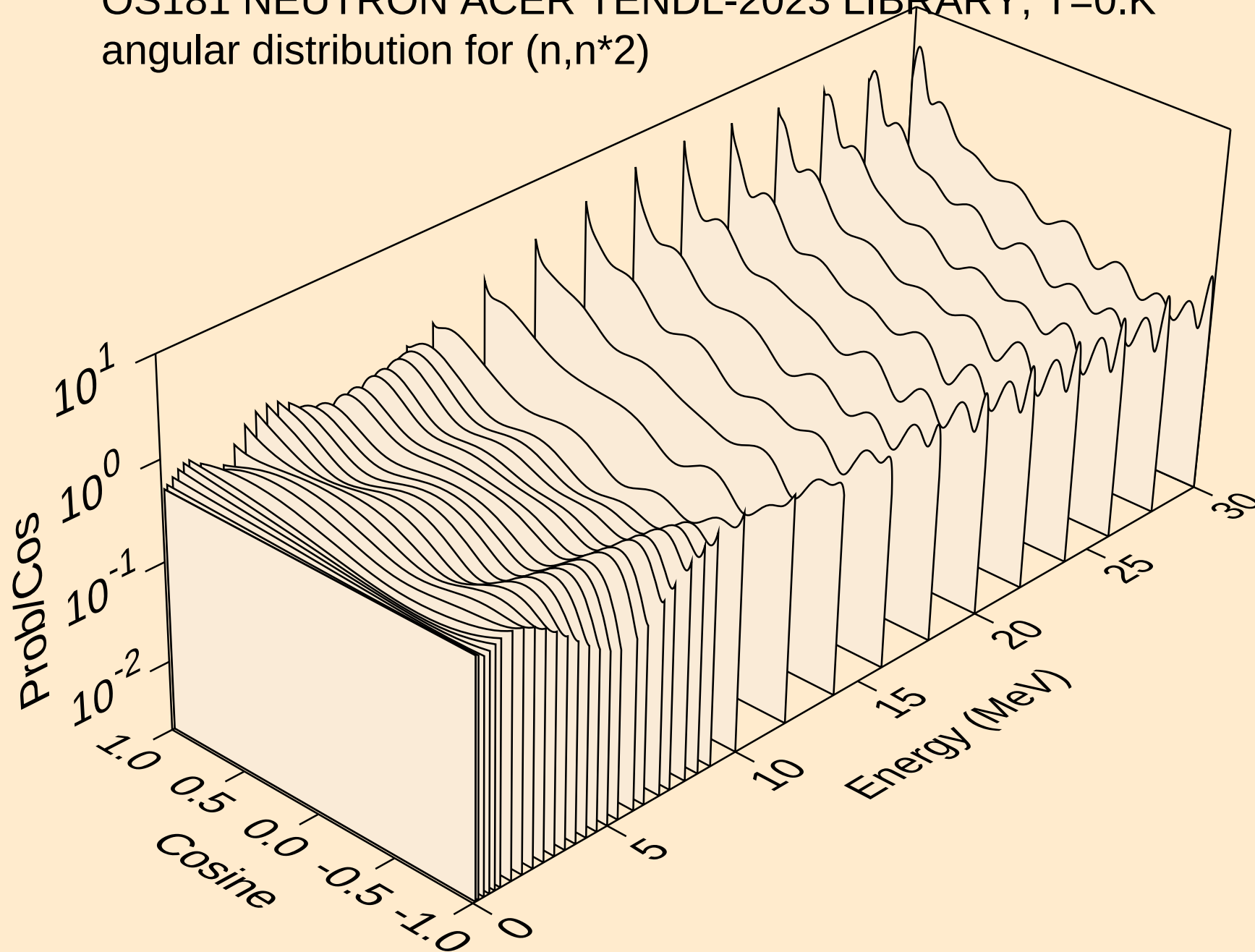


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

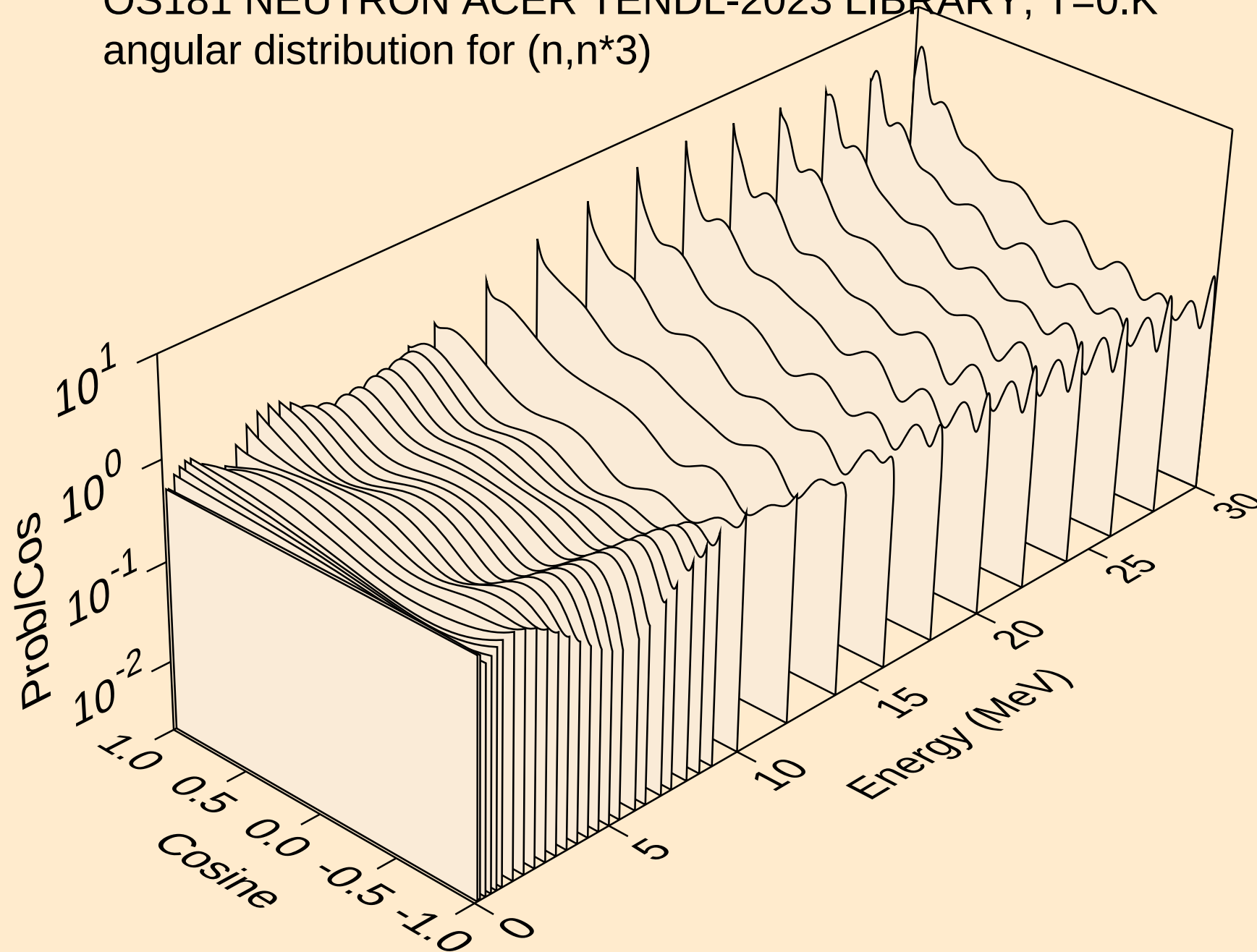




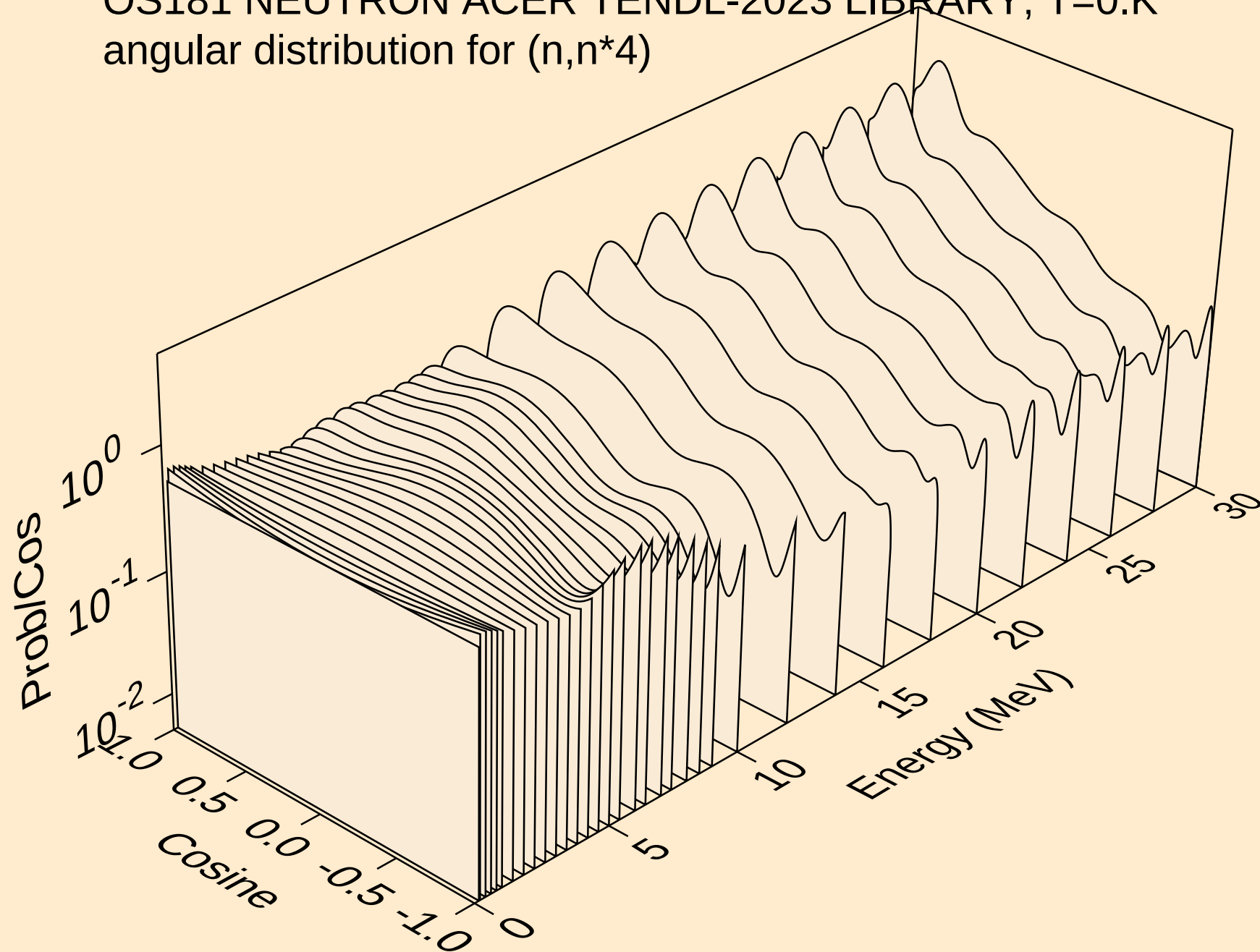
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



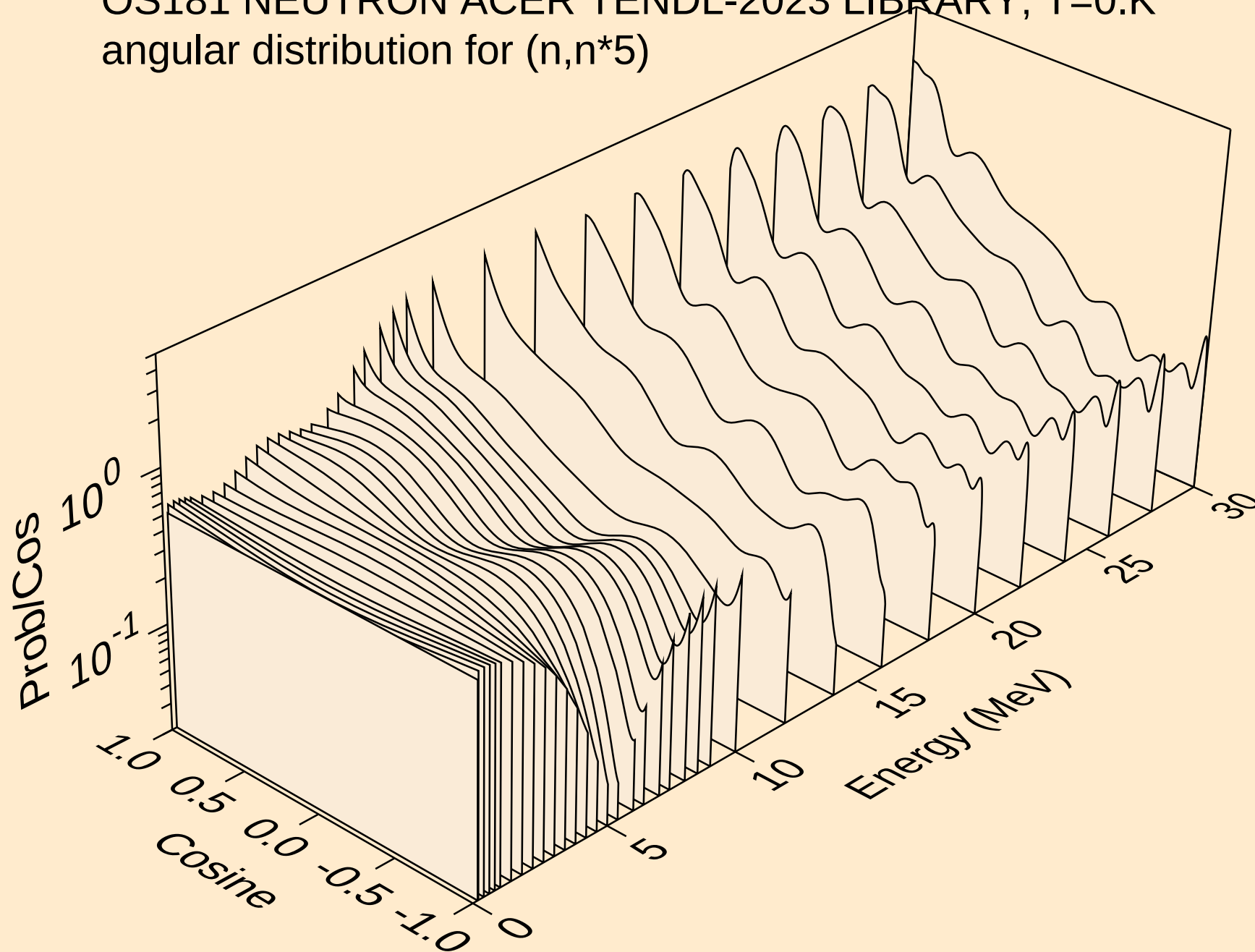
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



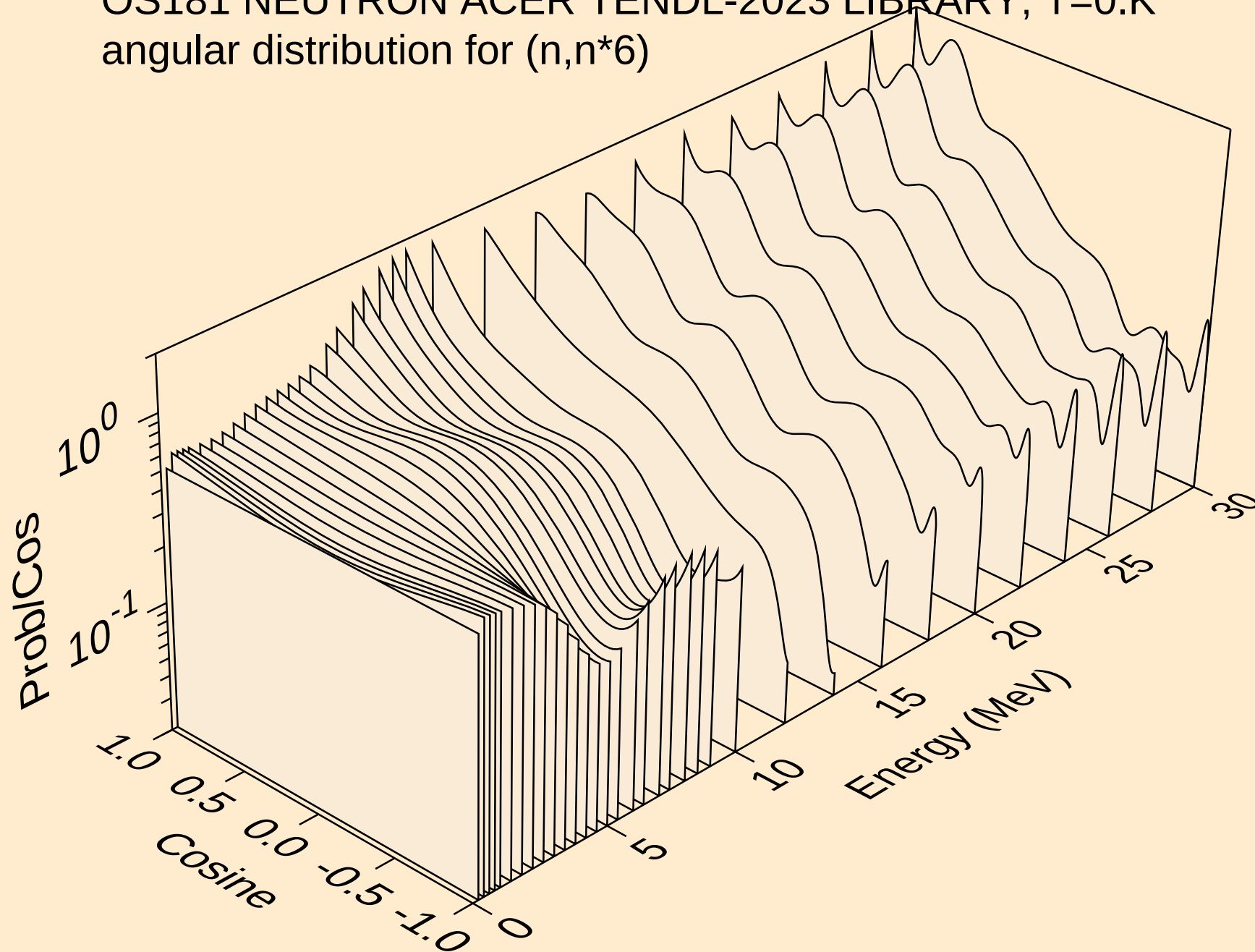
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



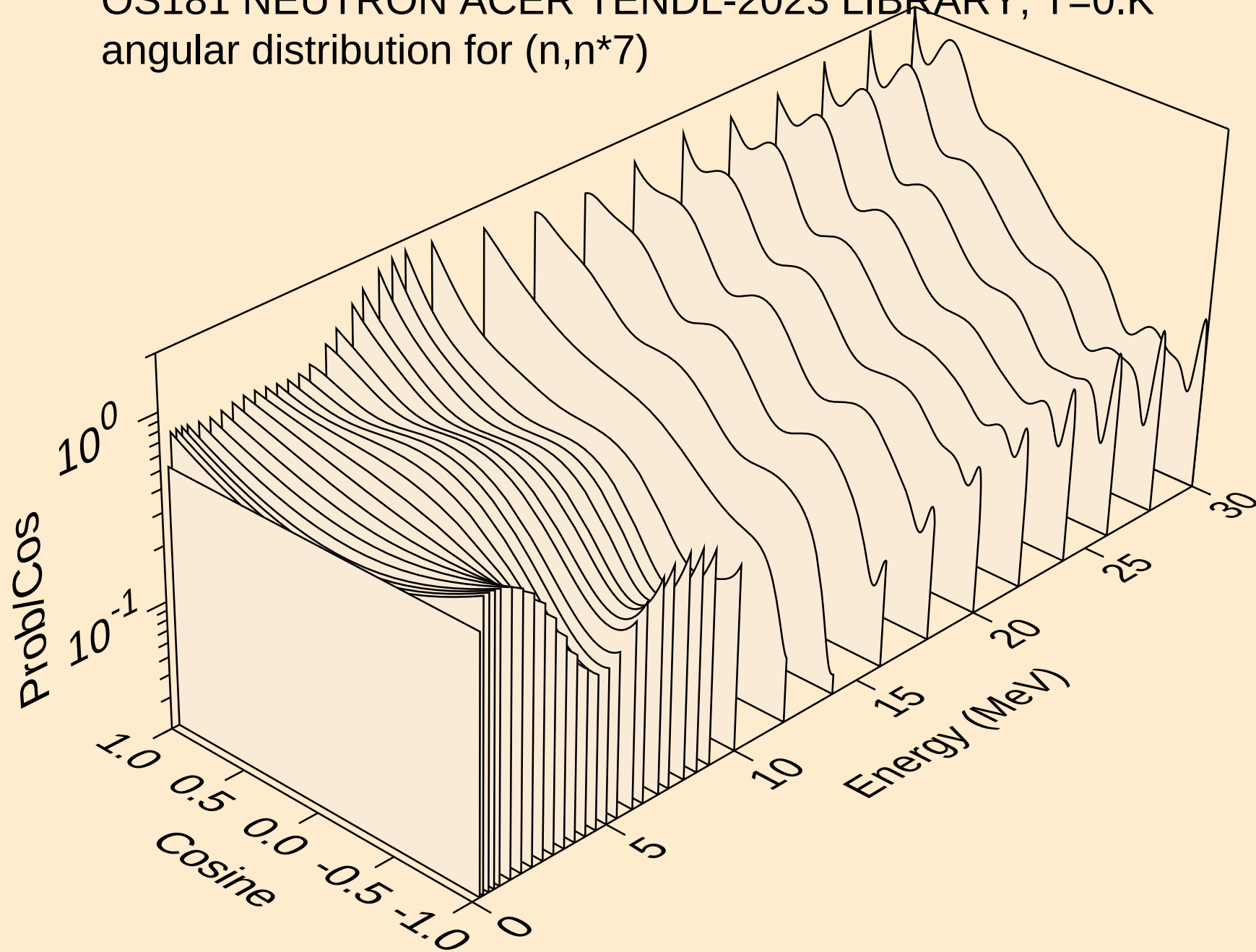
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



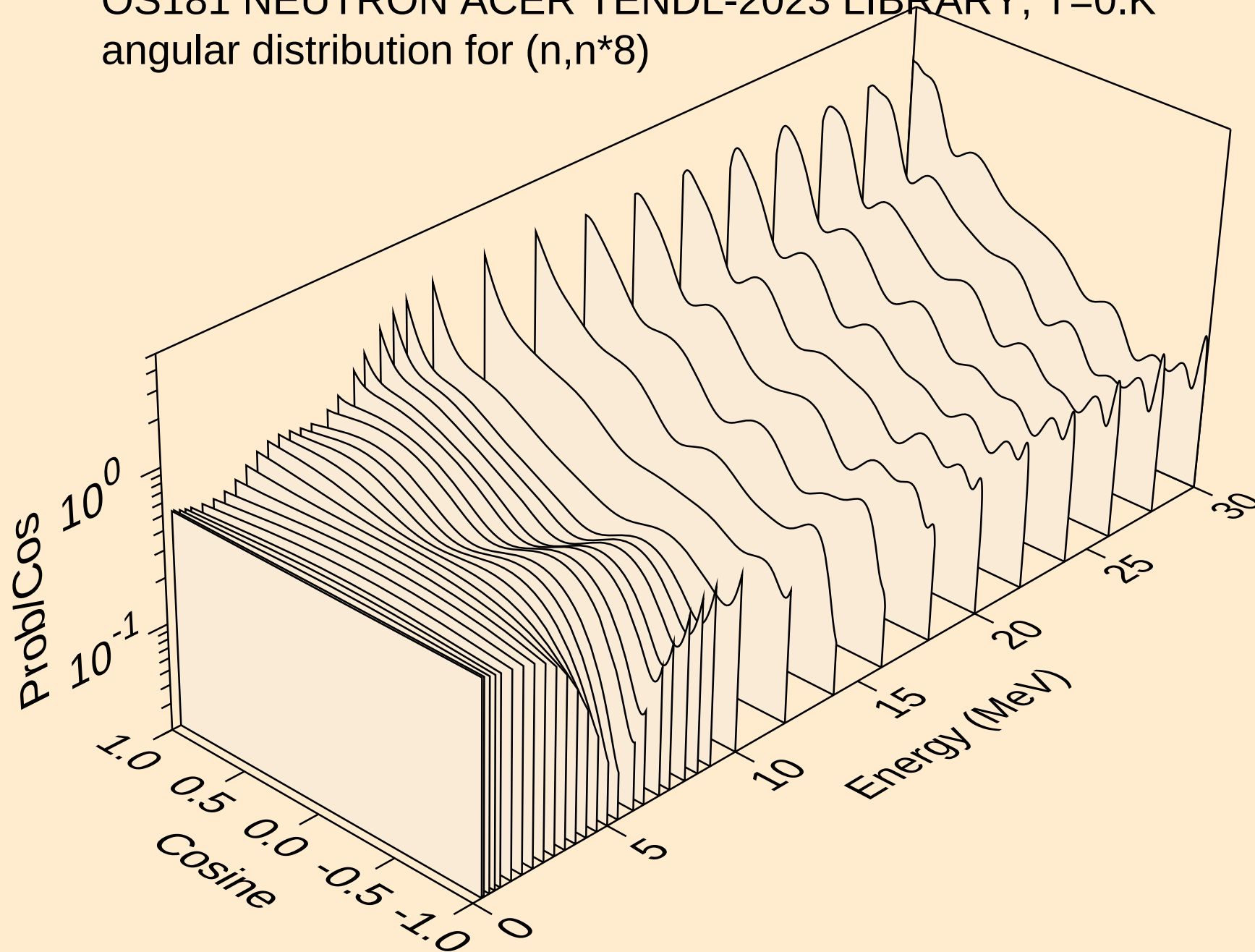
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

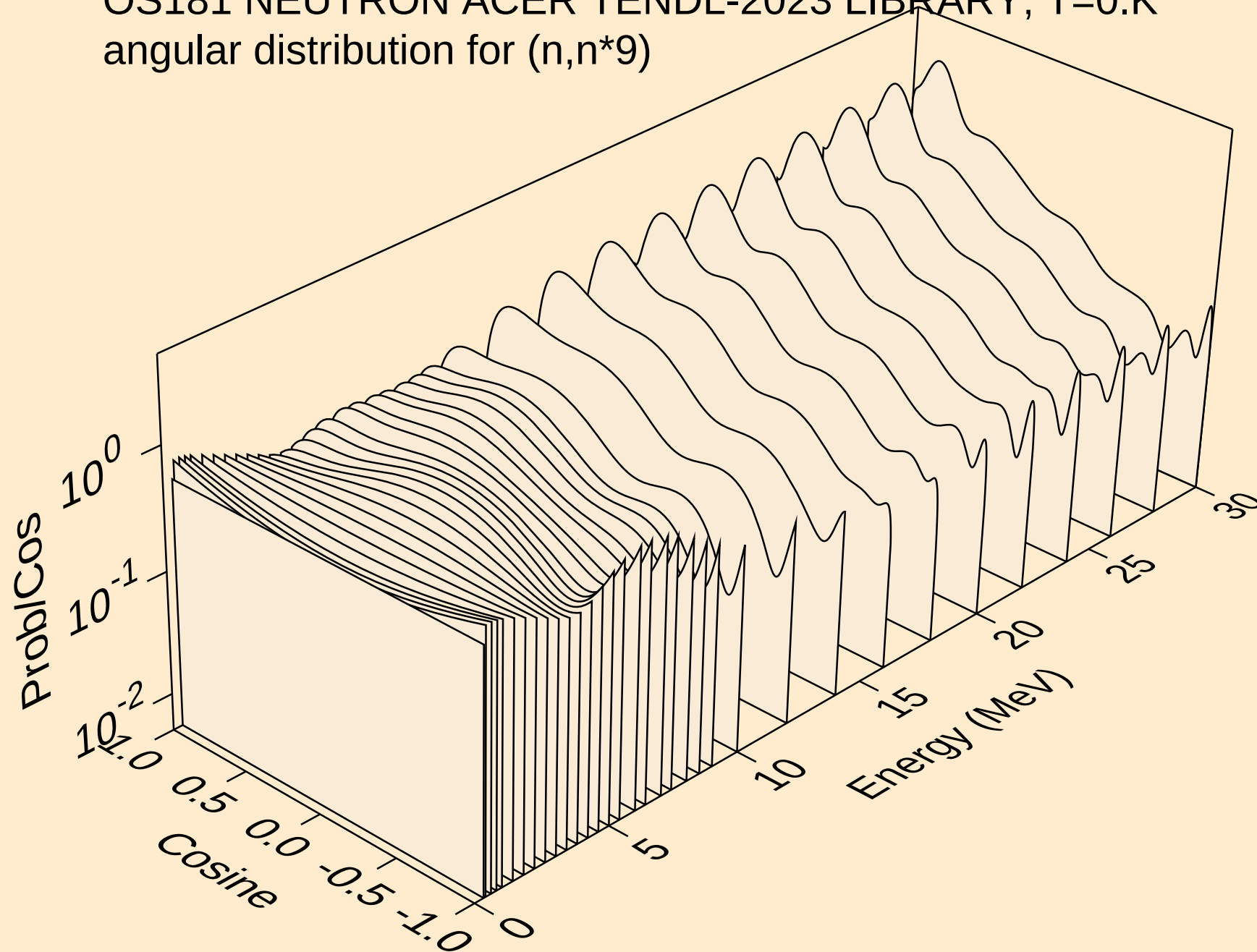


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



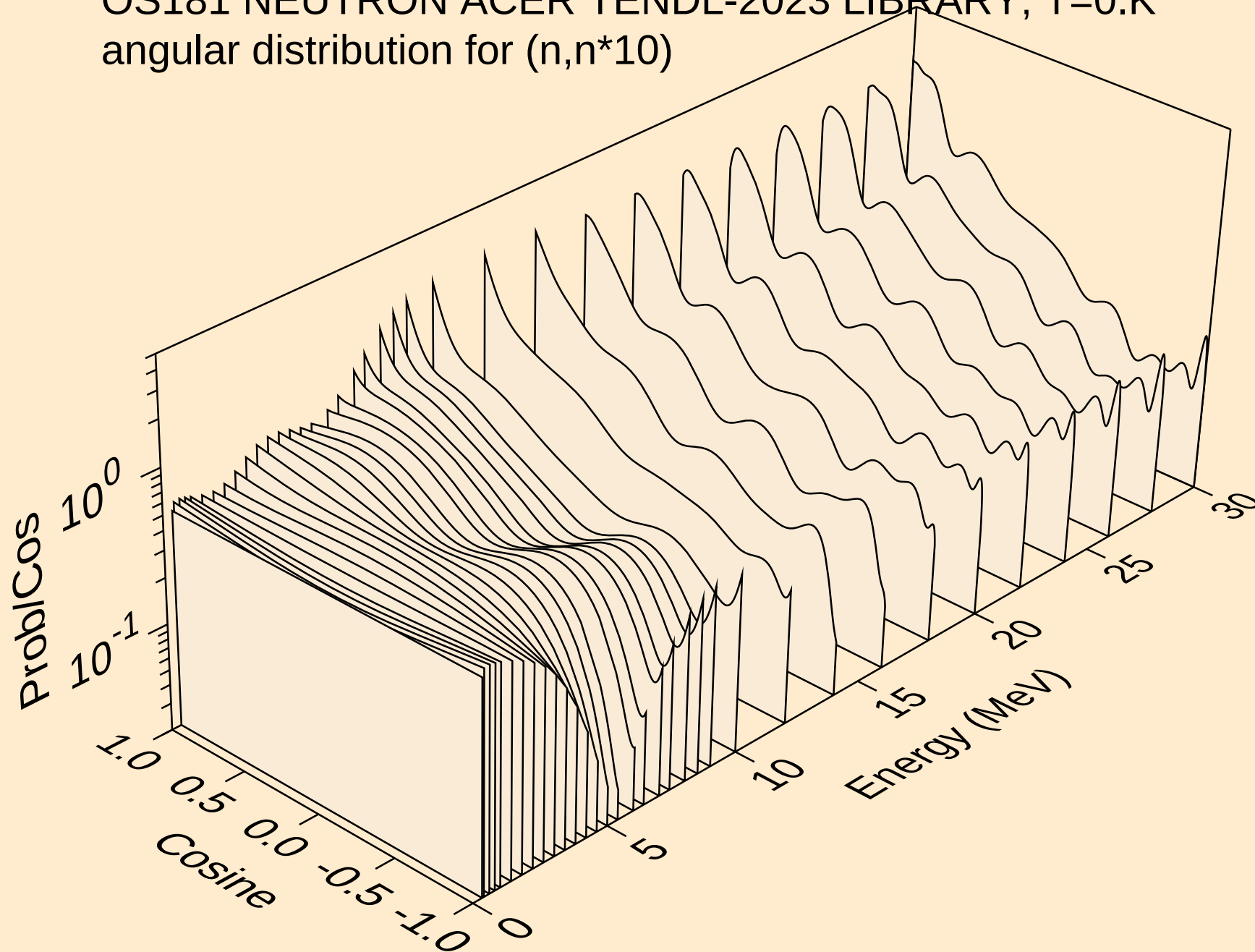


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

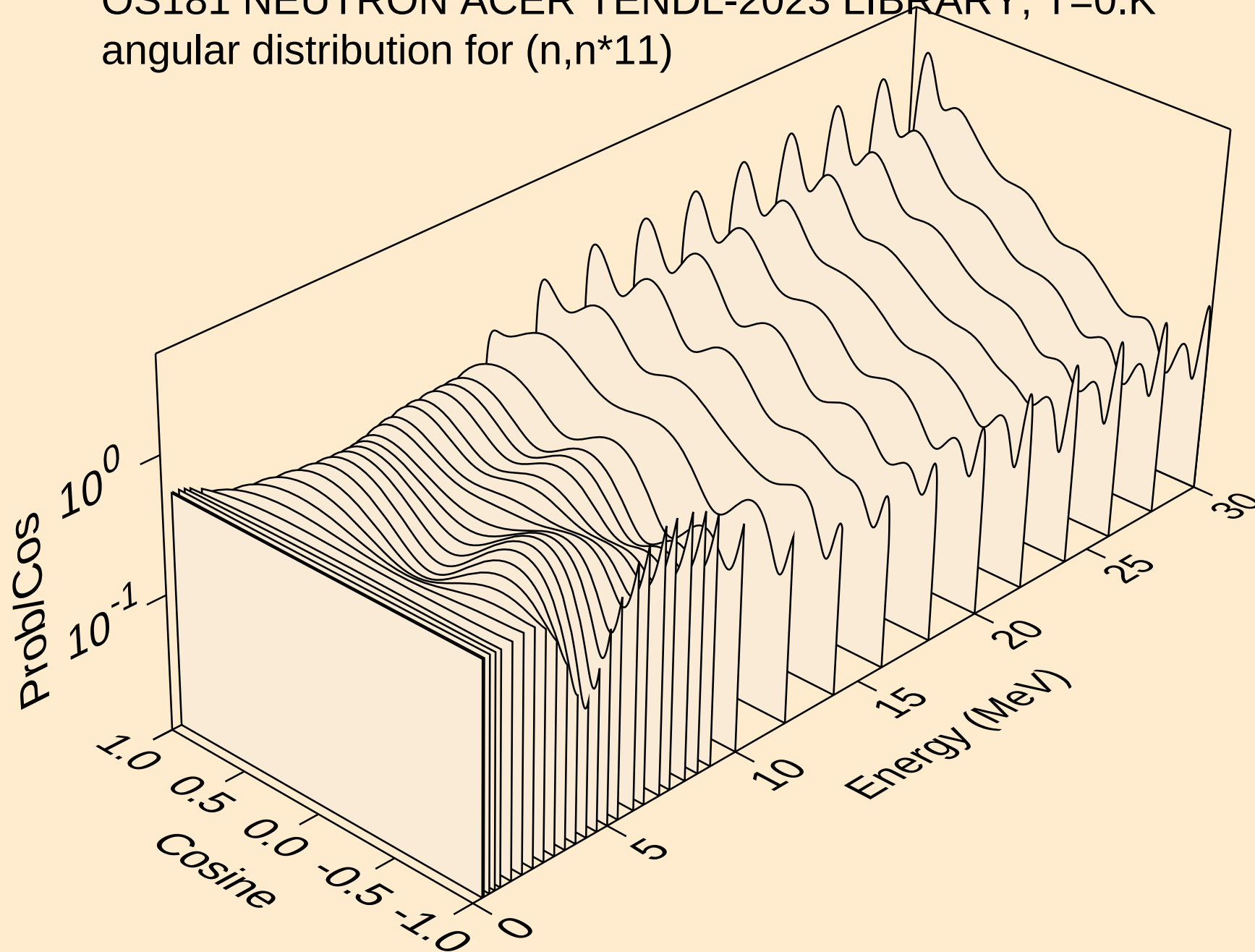




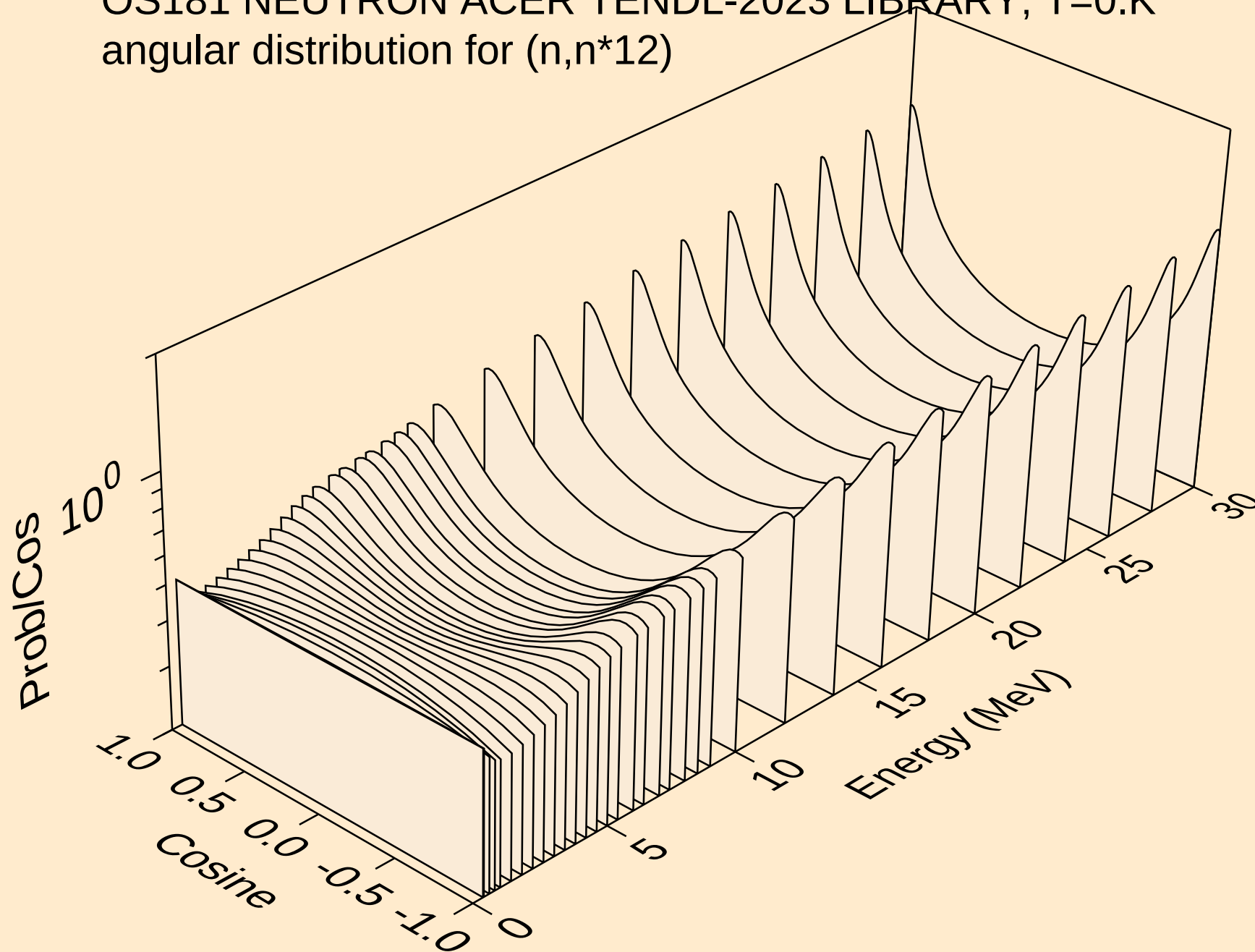
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



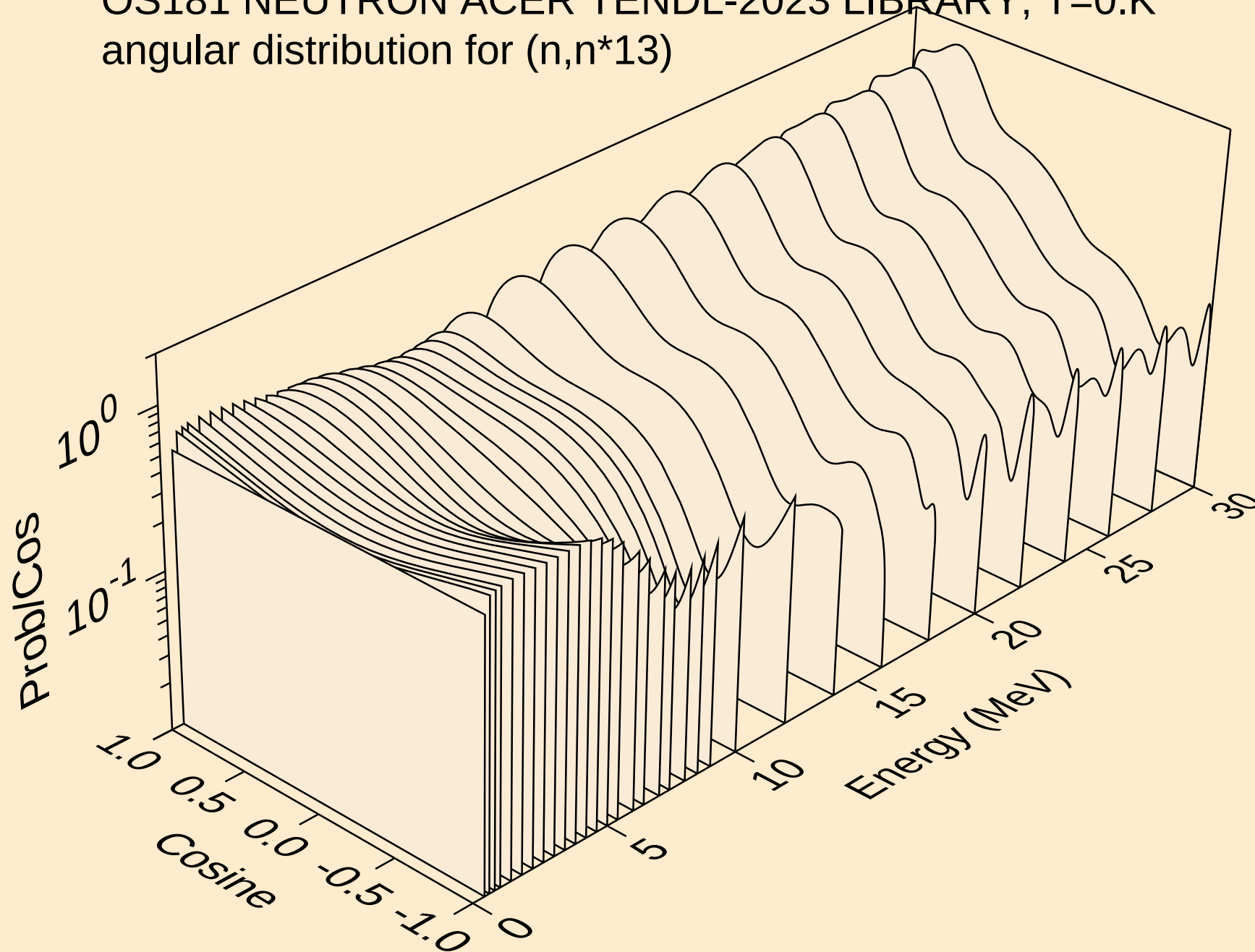
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



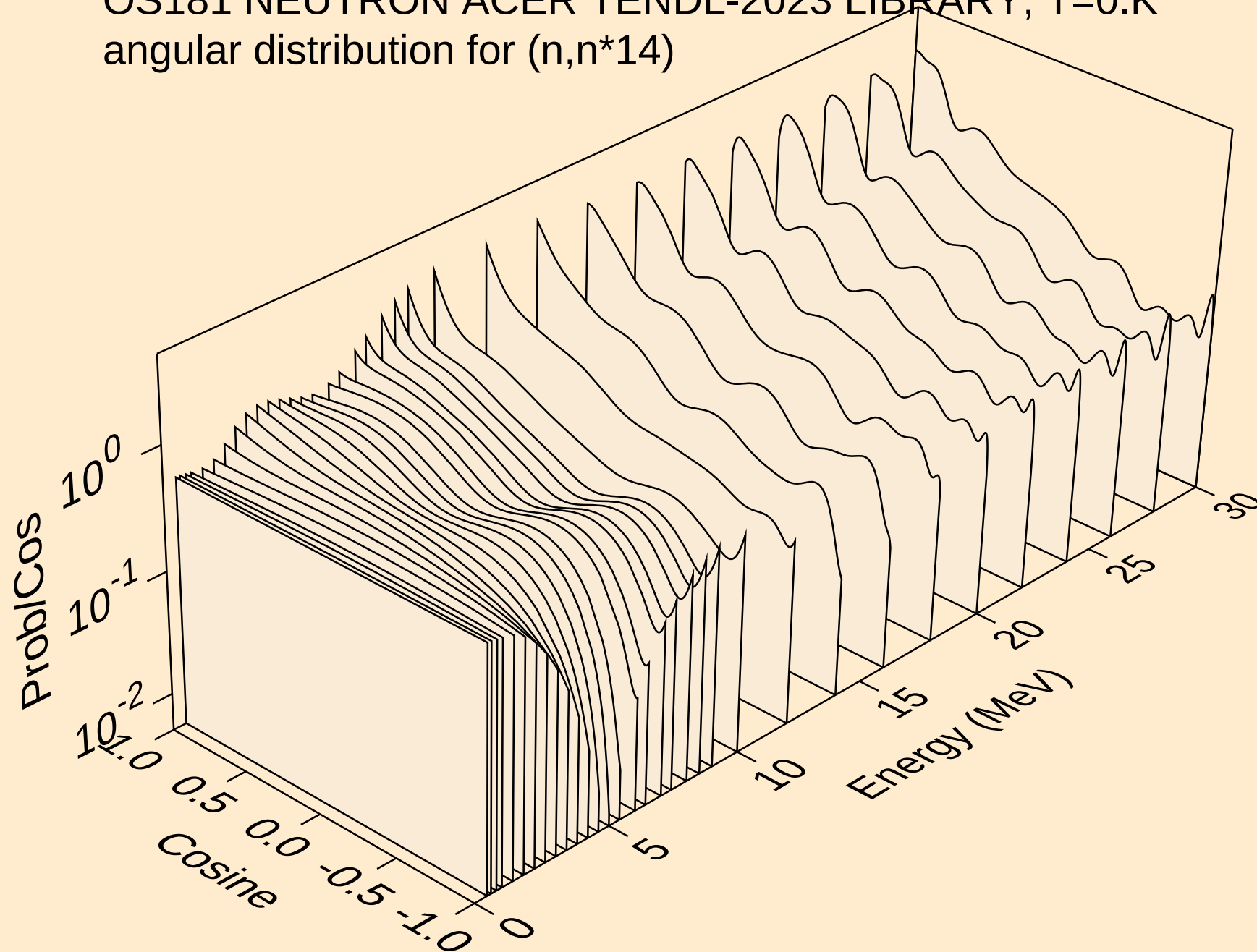
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



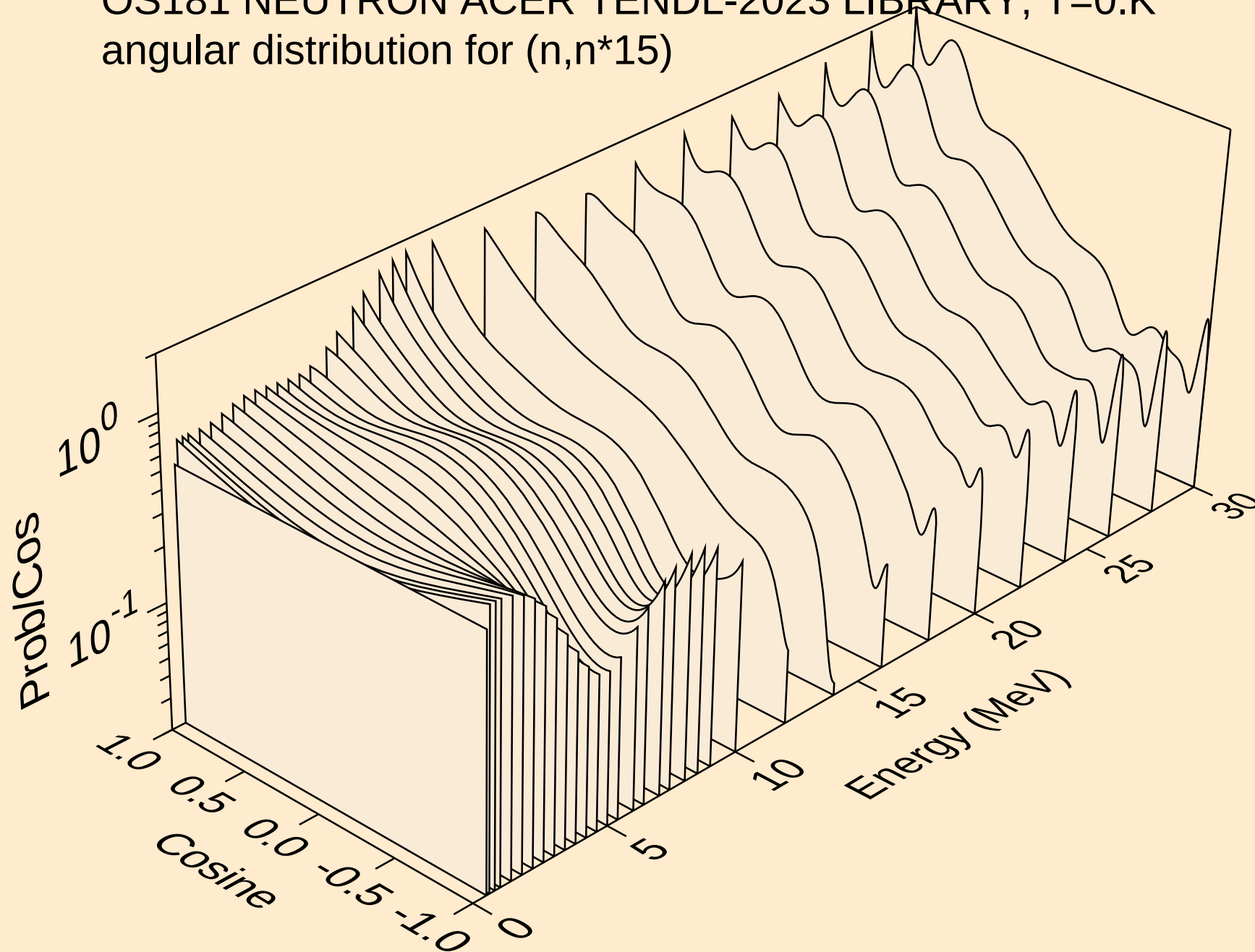
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



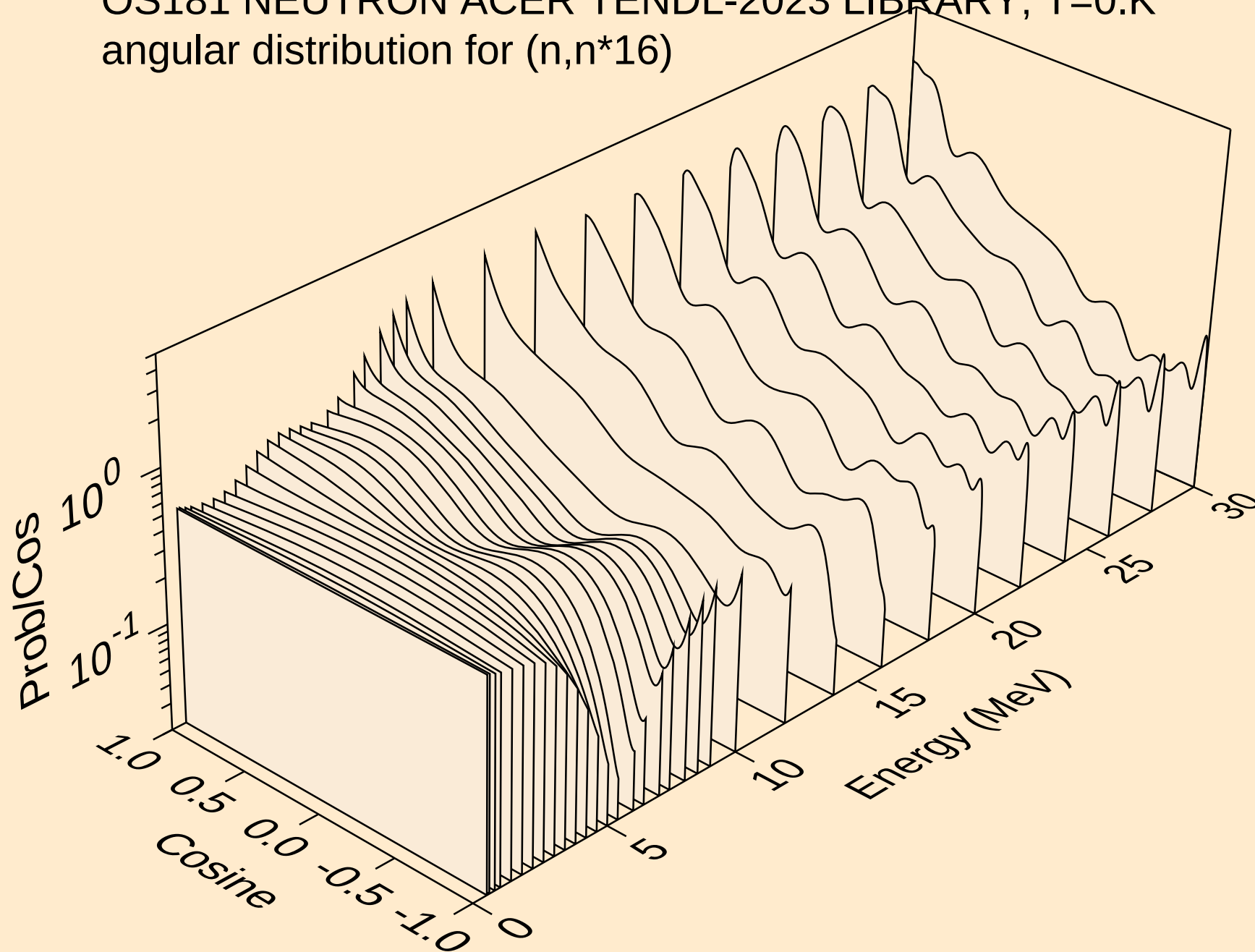
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



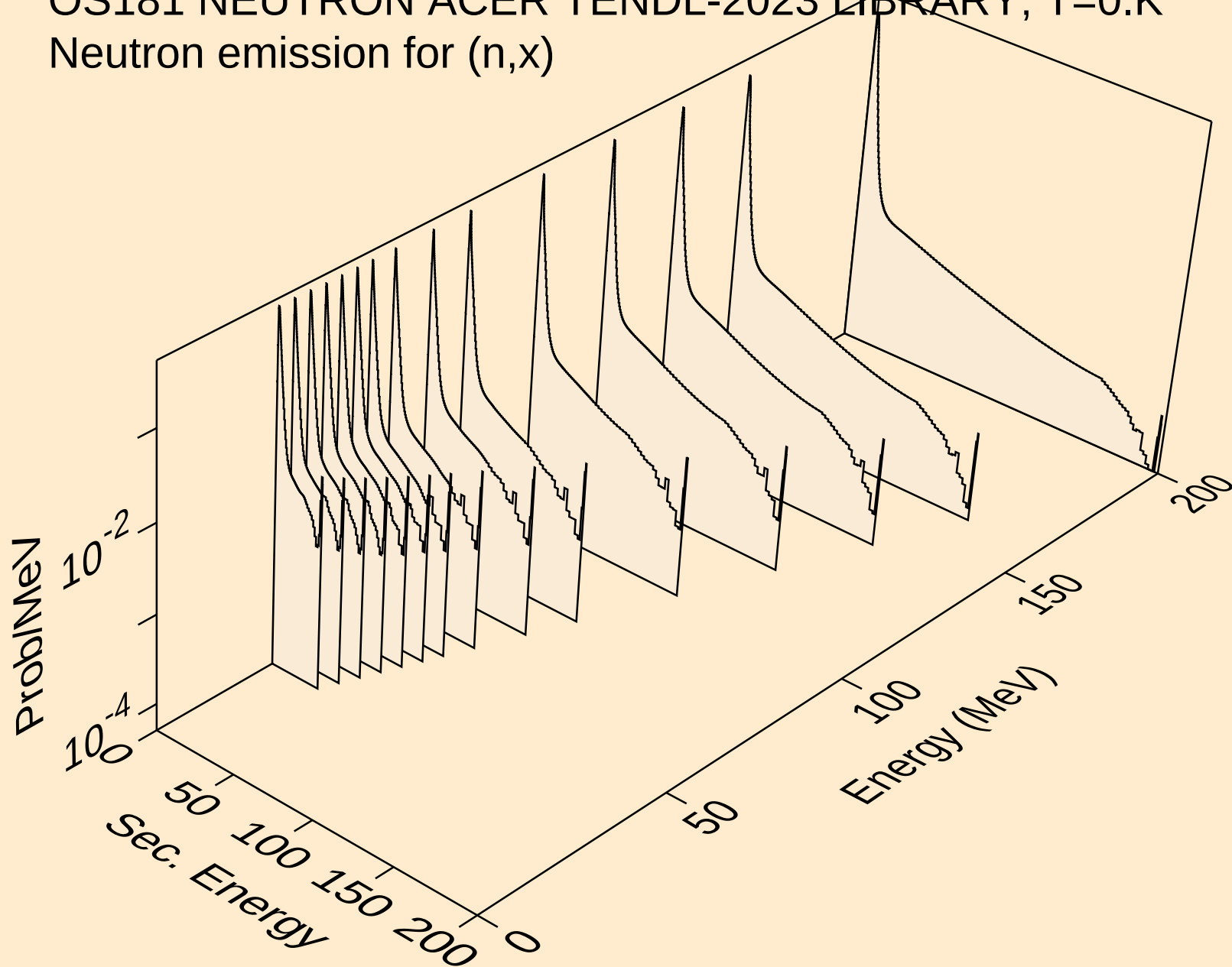
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

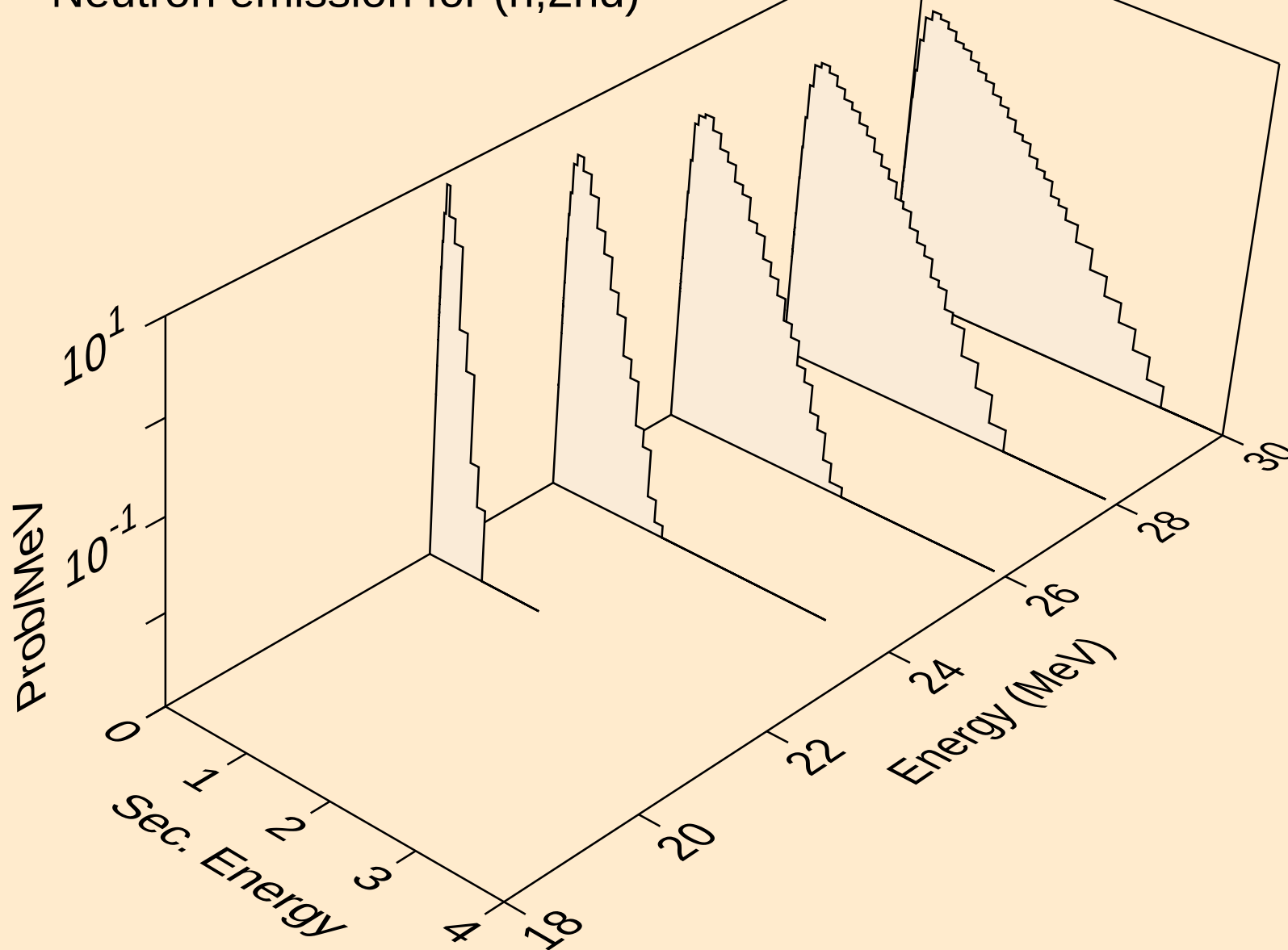


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

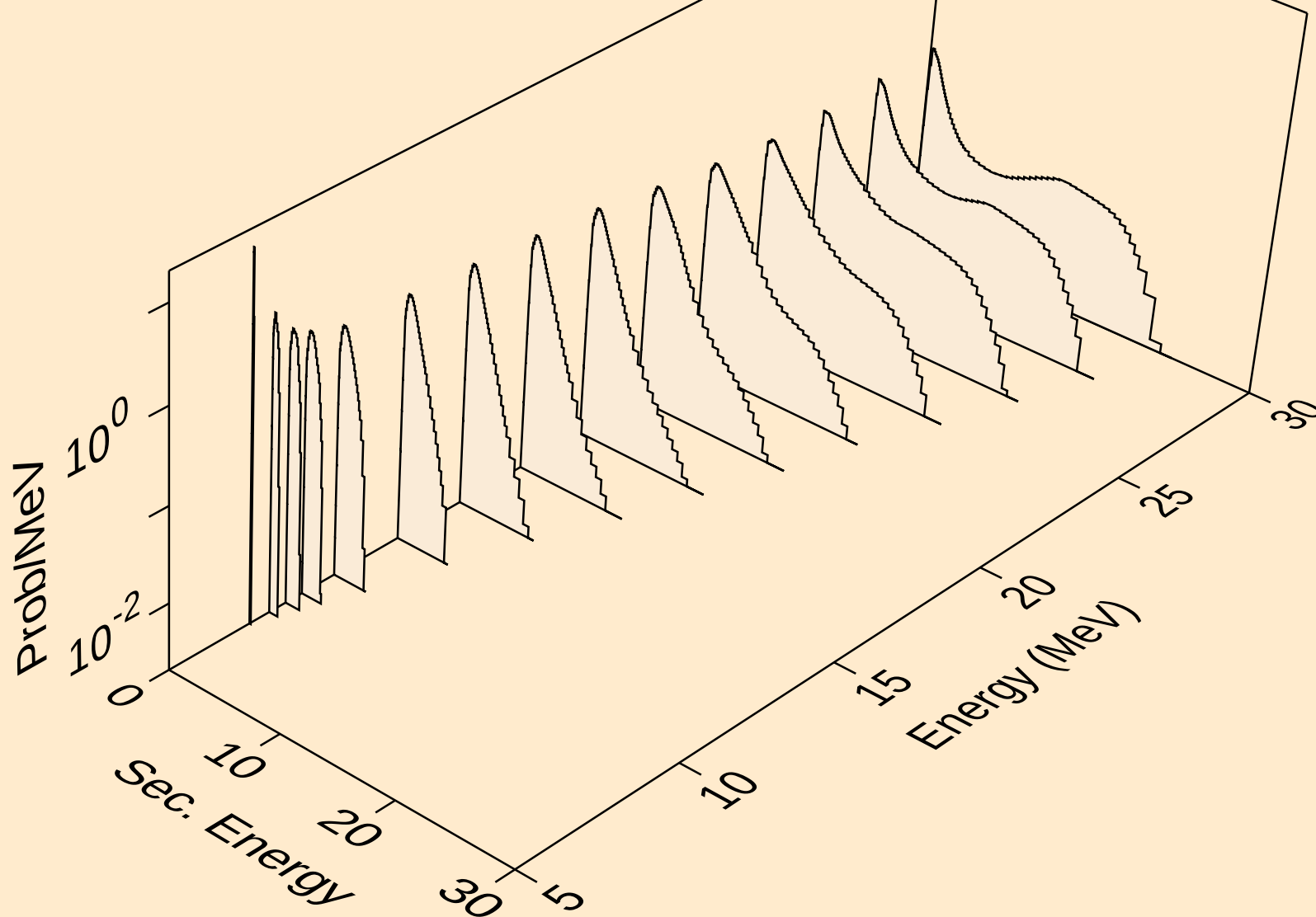




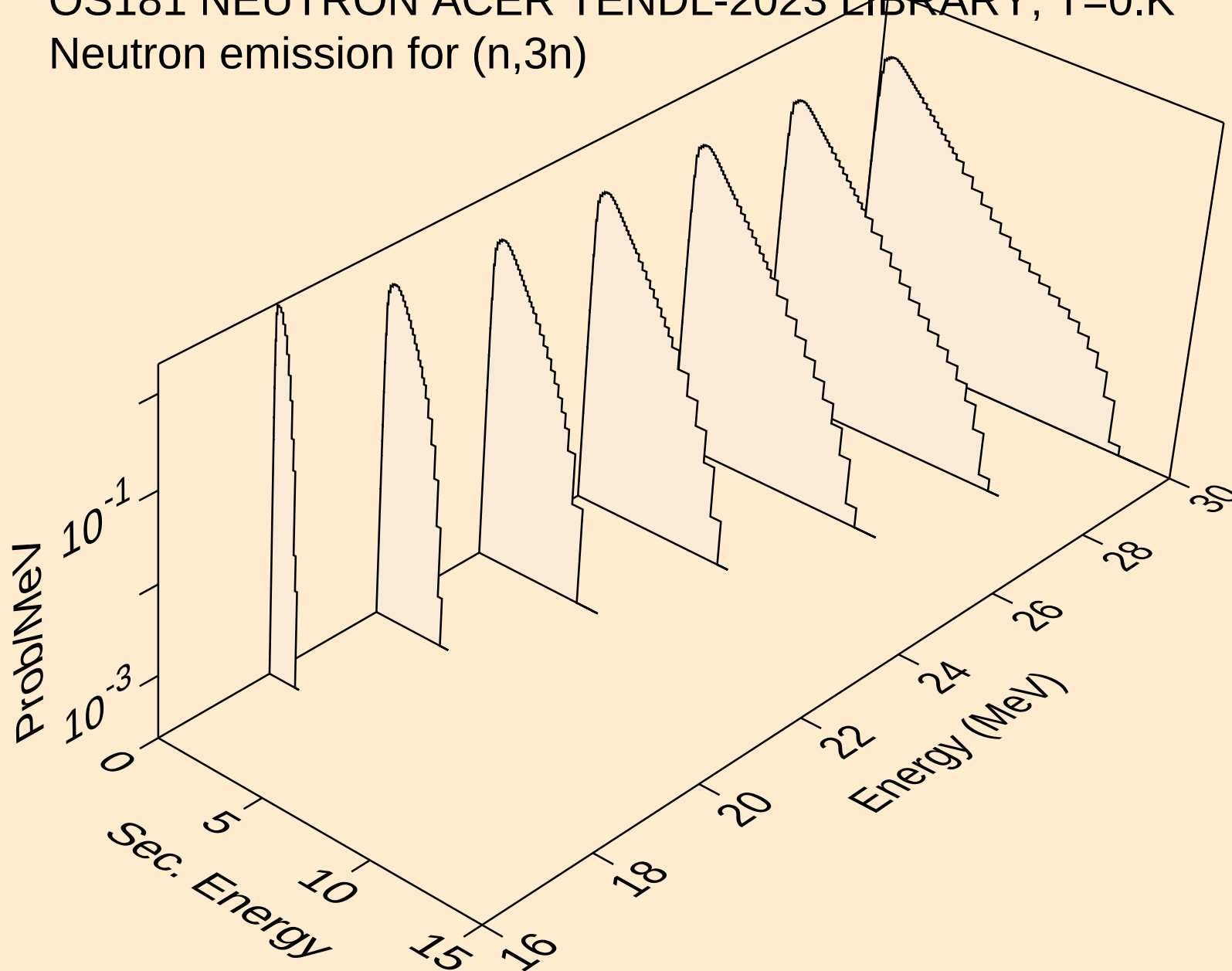
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



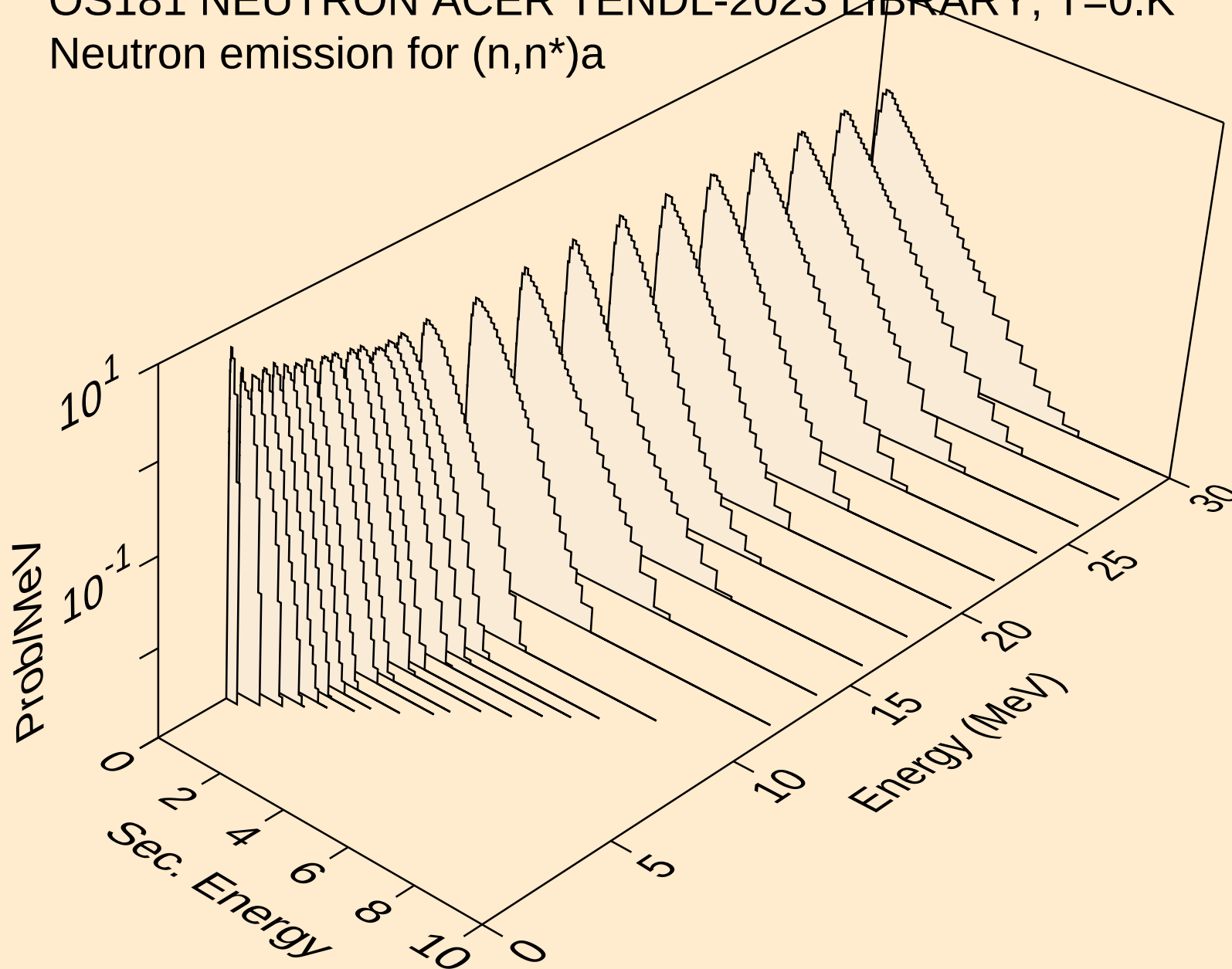
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



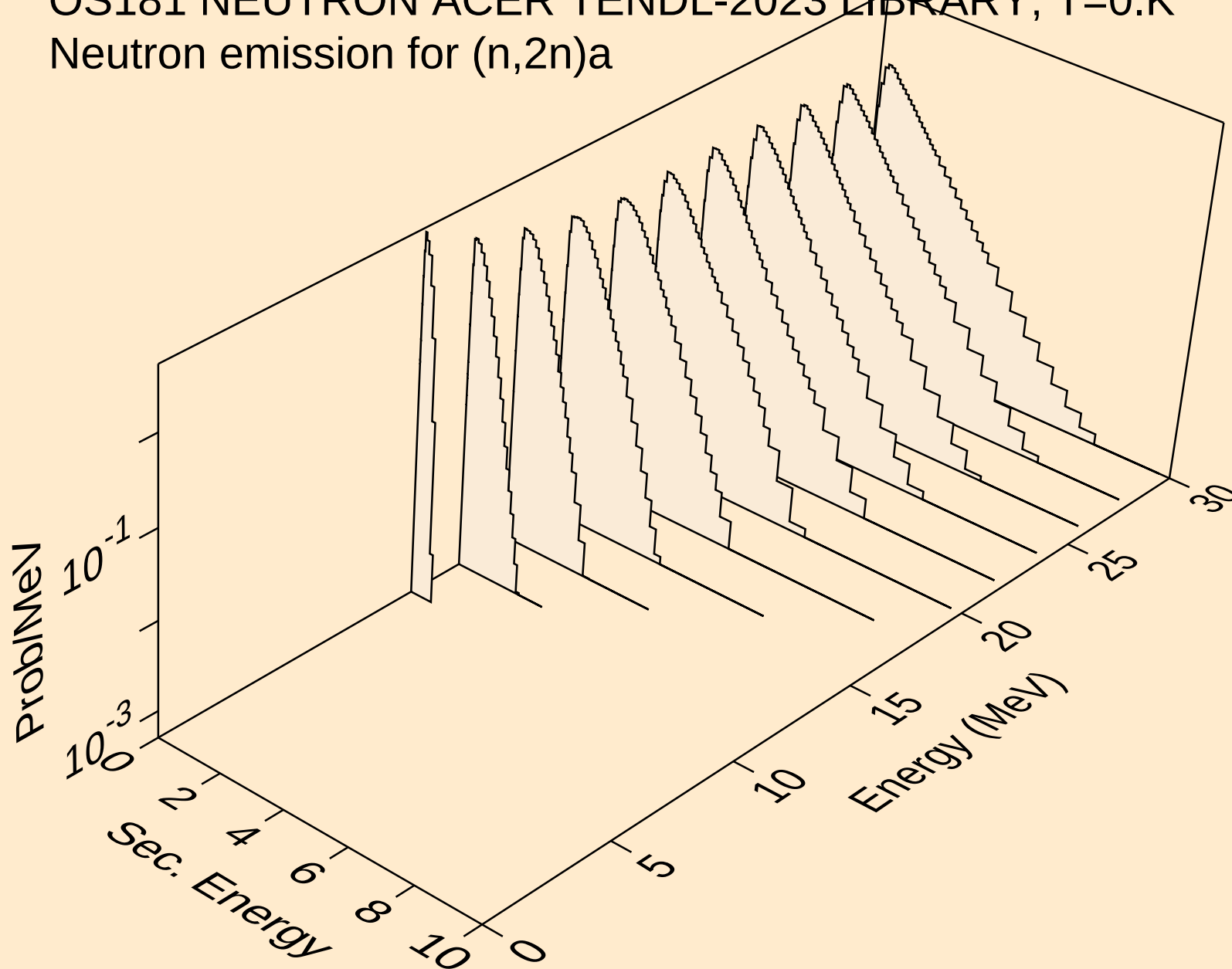
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



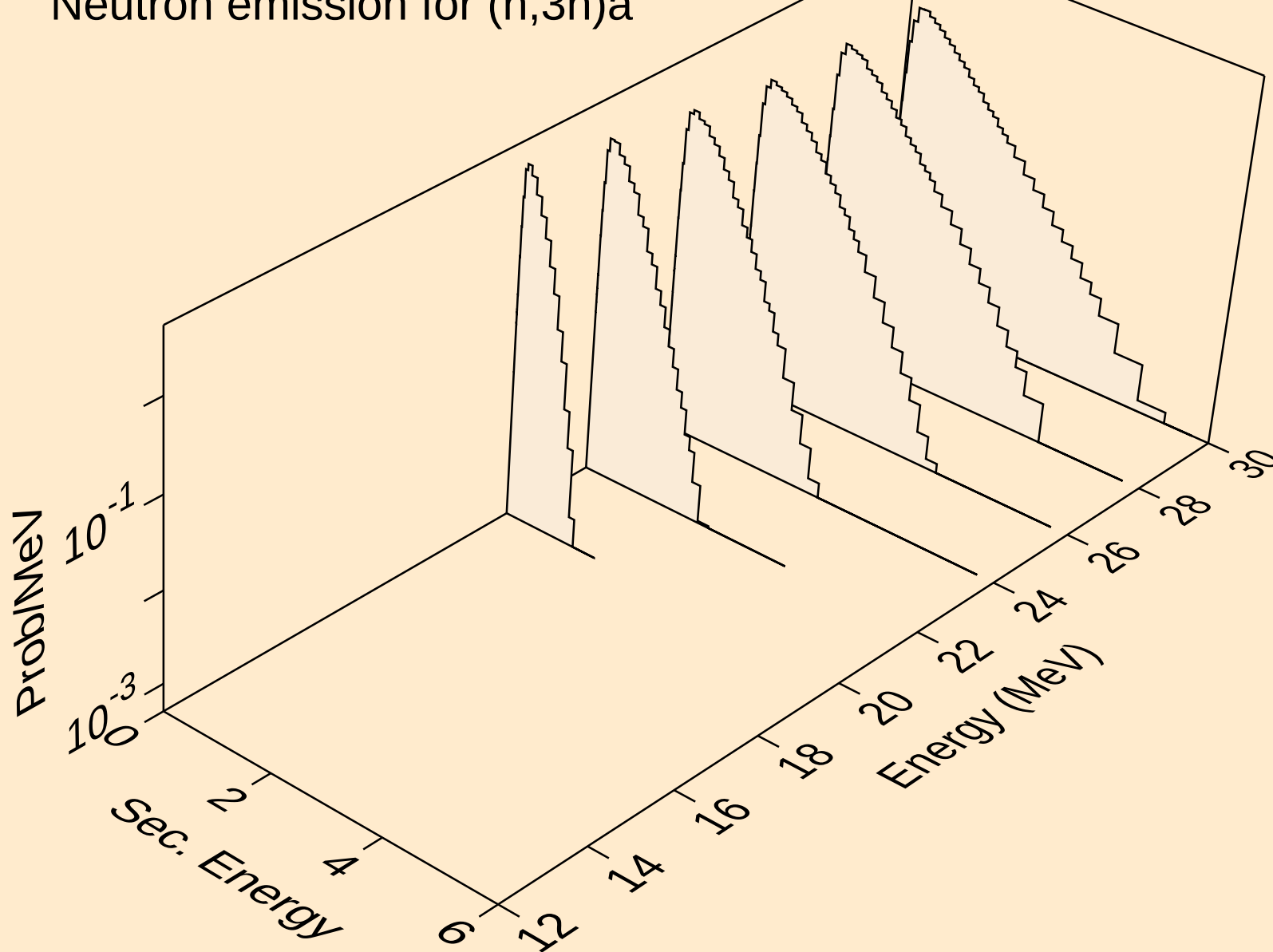
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



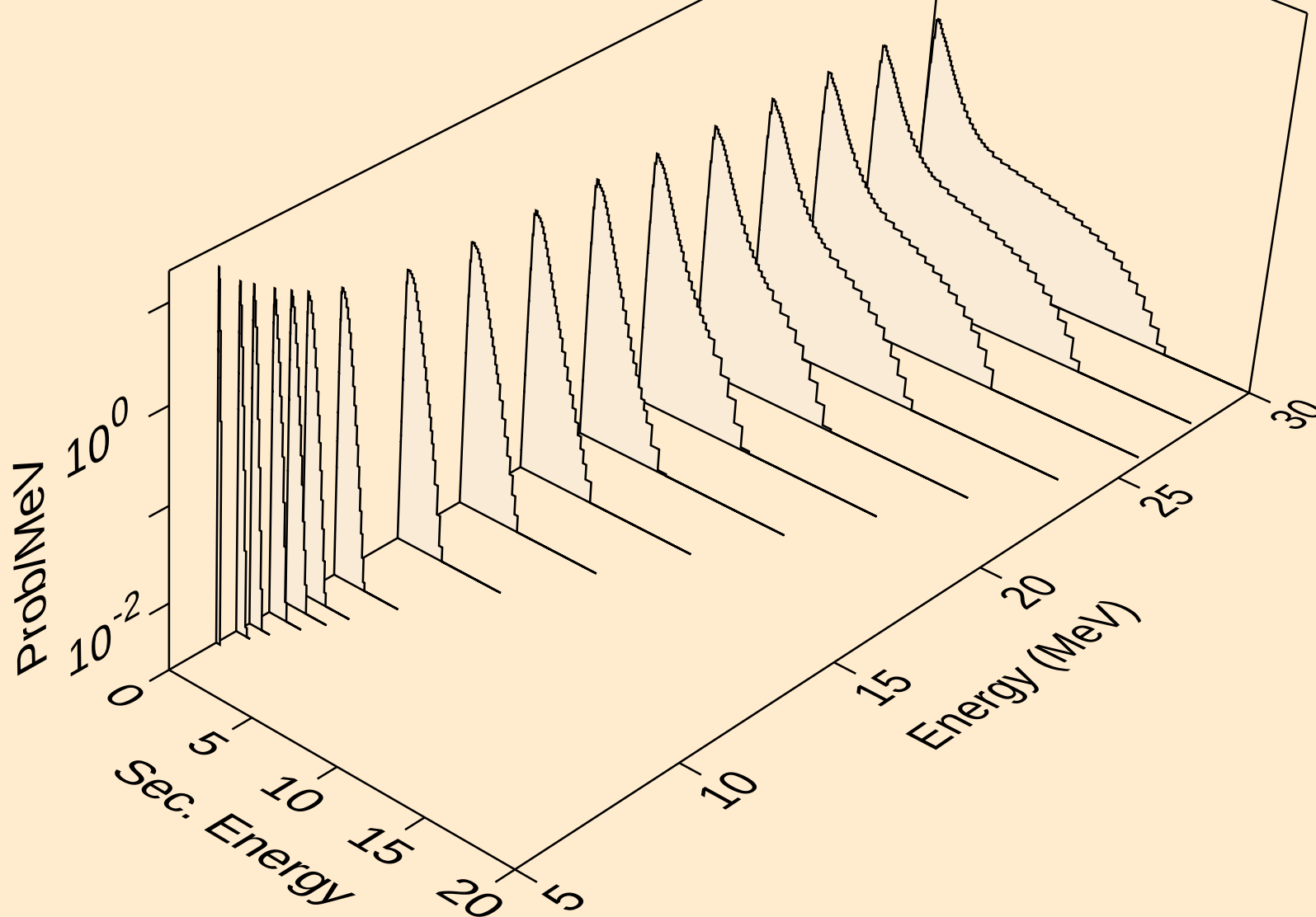
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n) $\alpha$



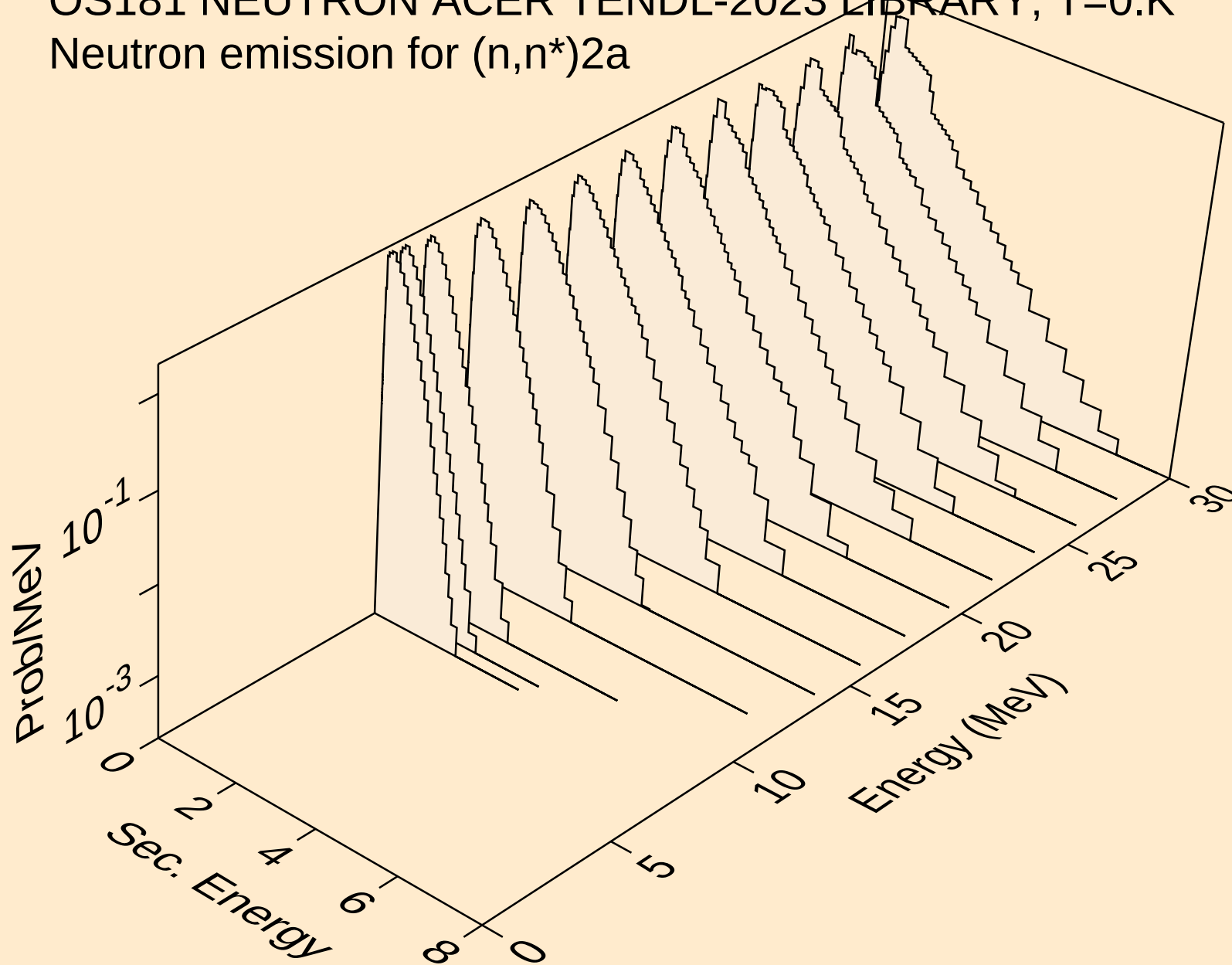
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

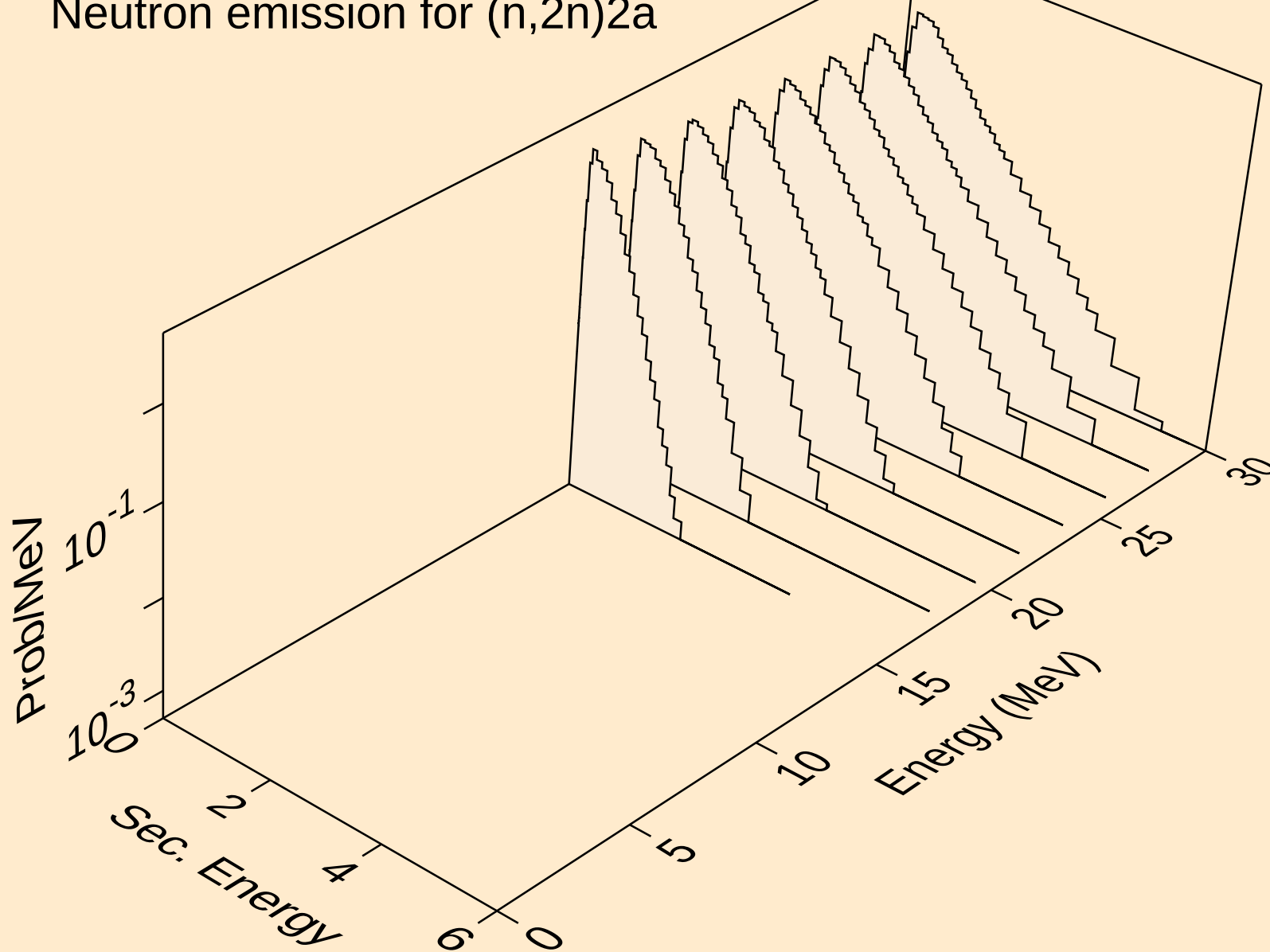


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

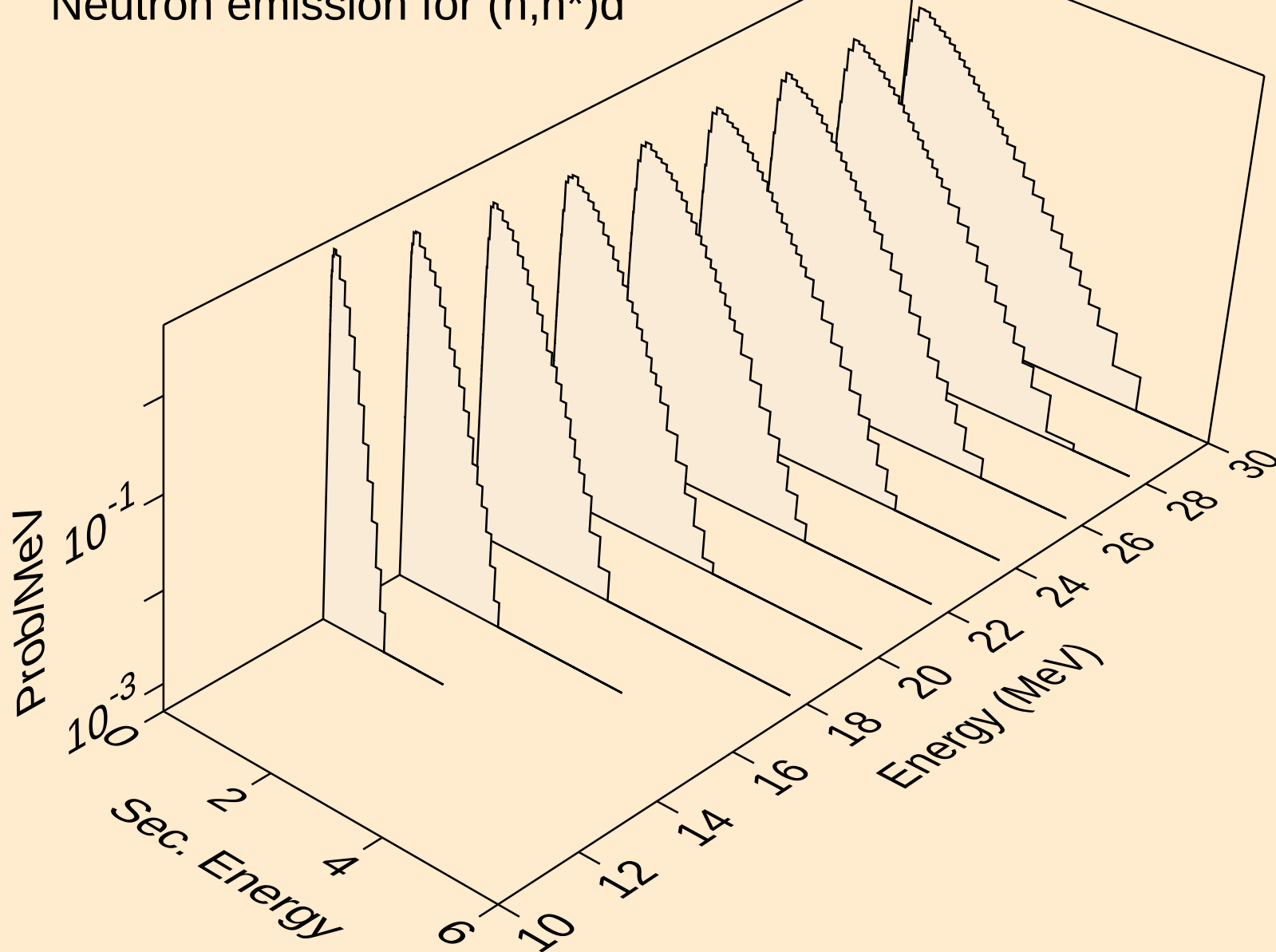




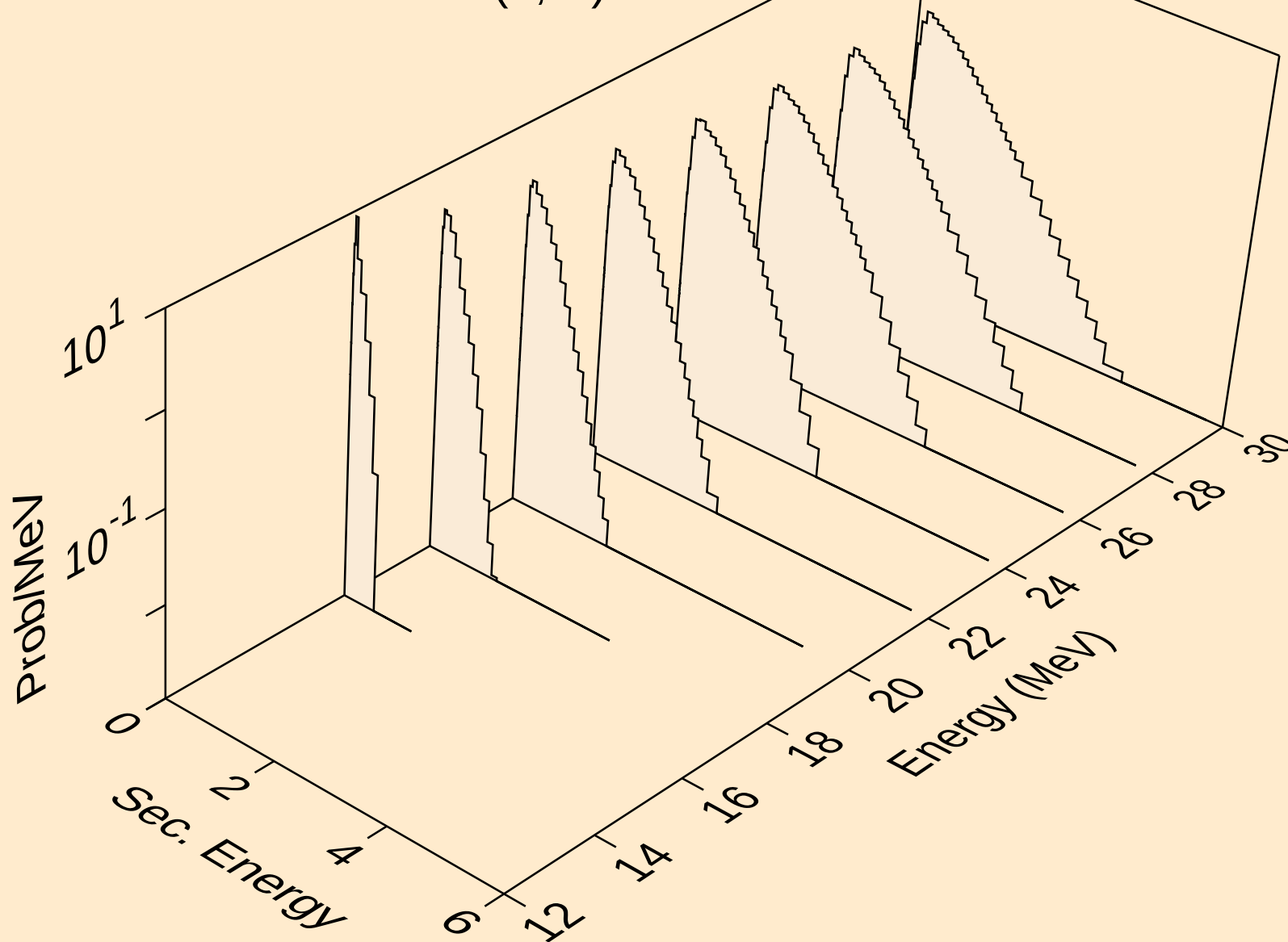
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



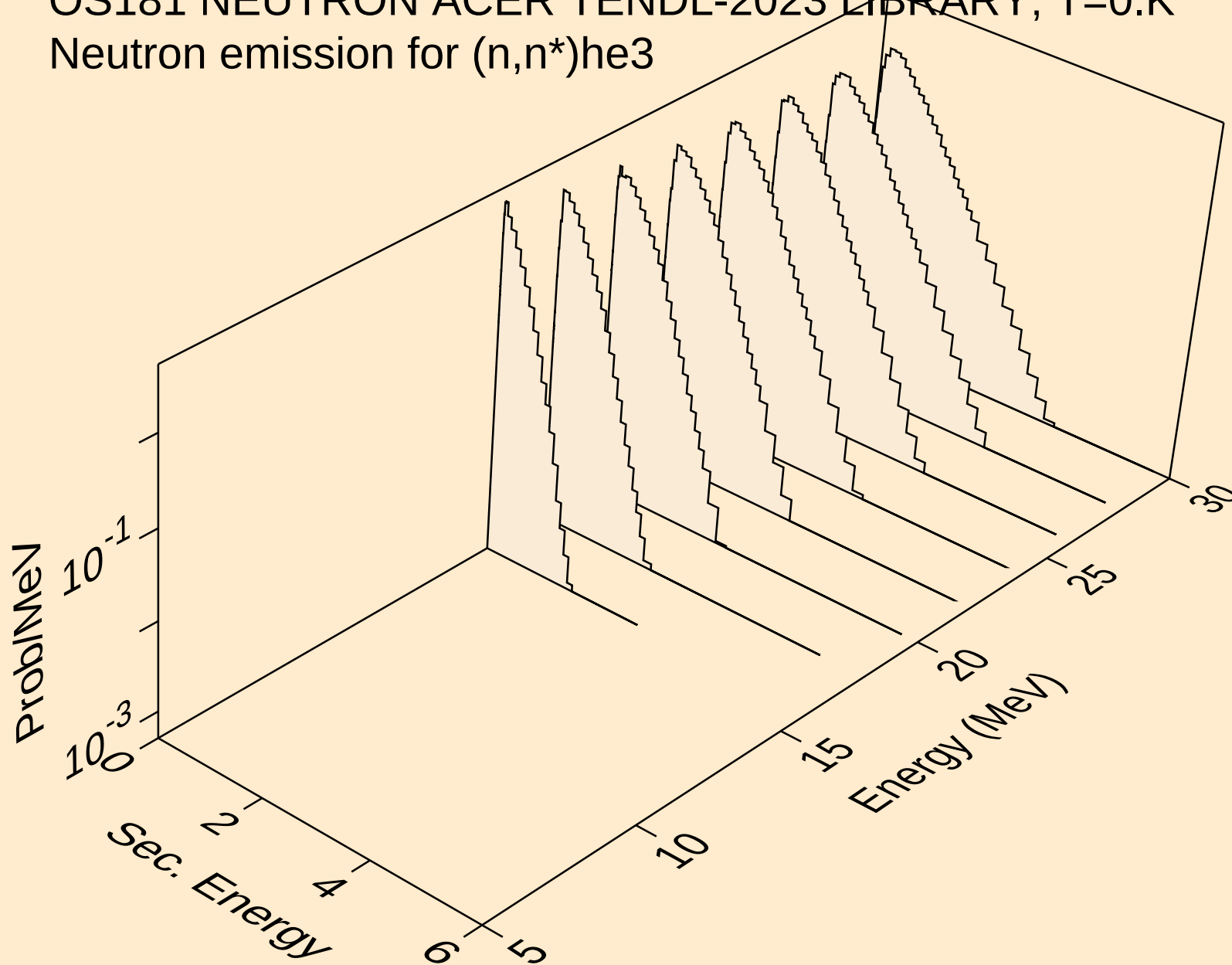
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



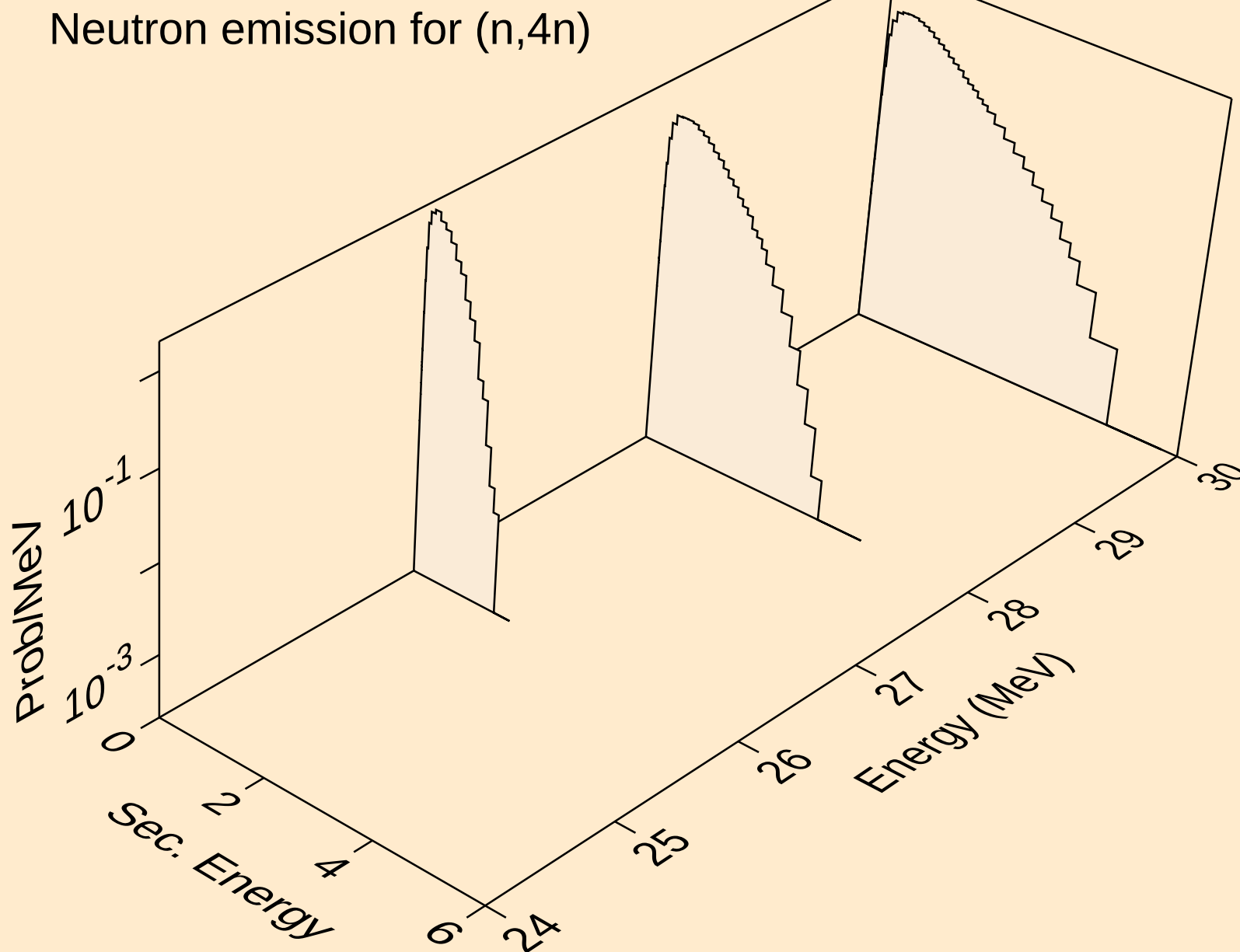
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



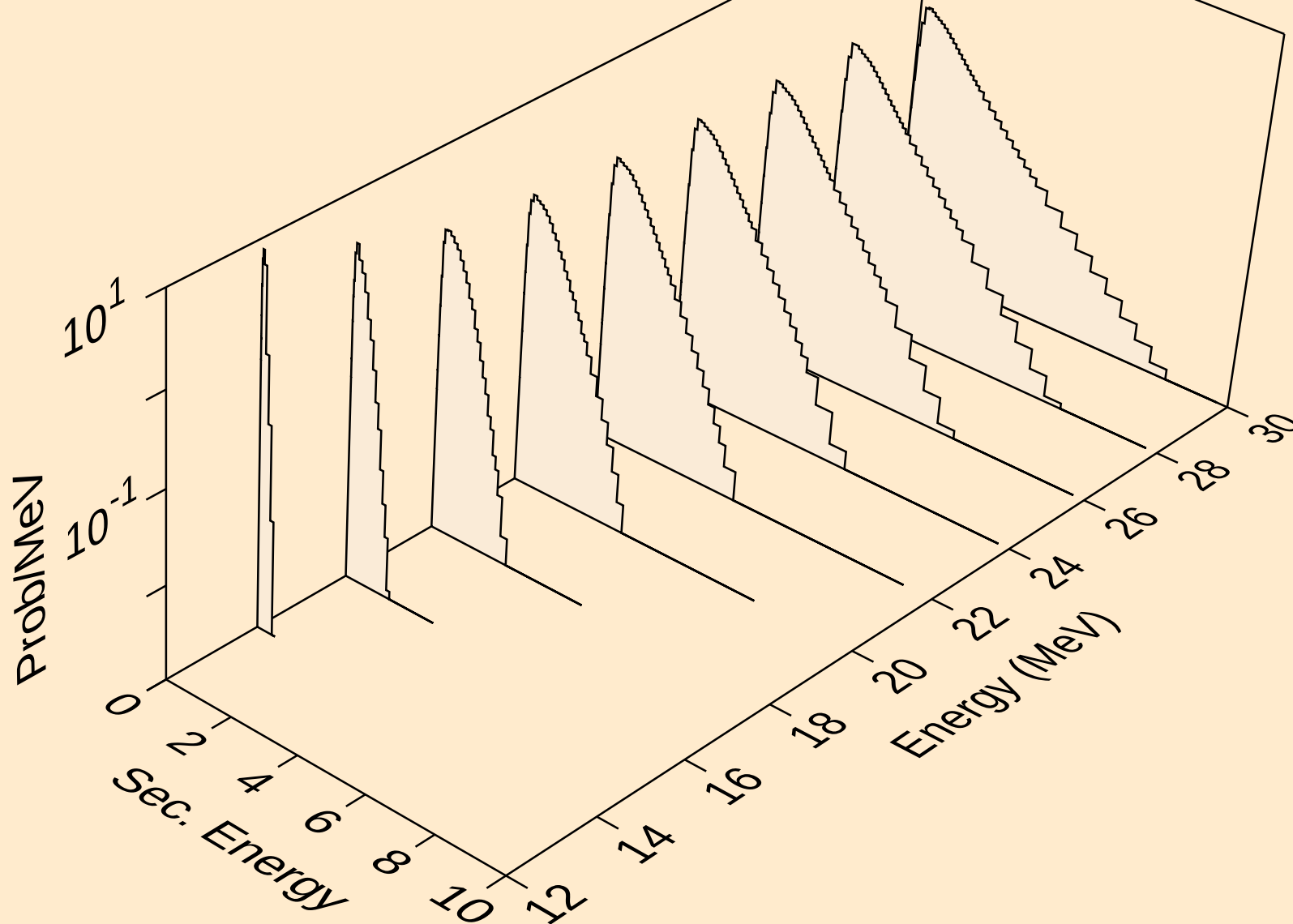
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



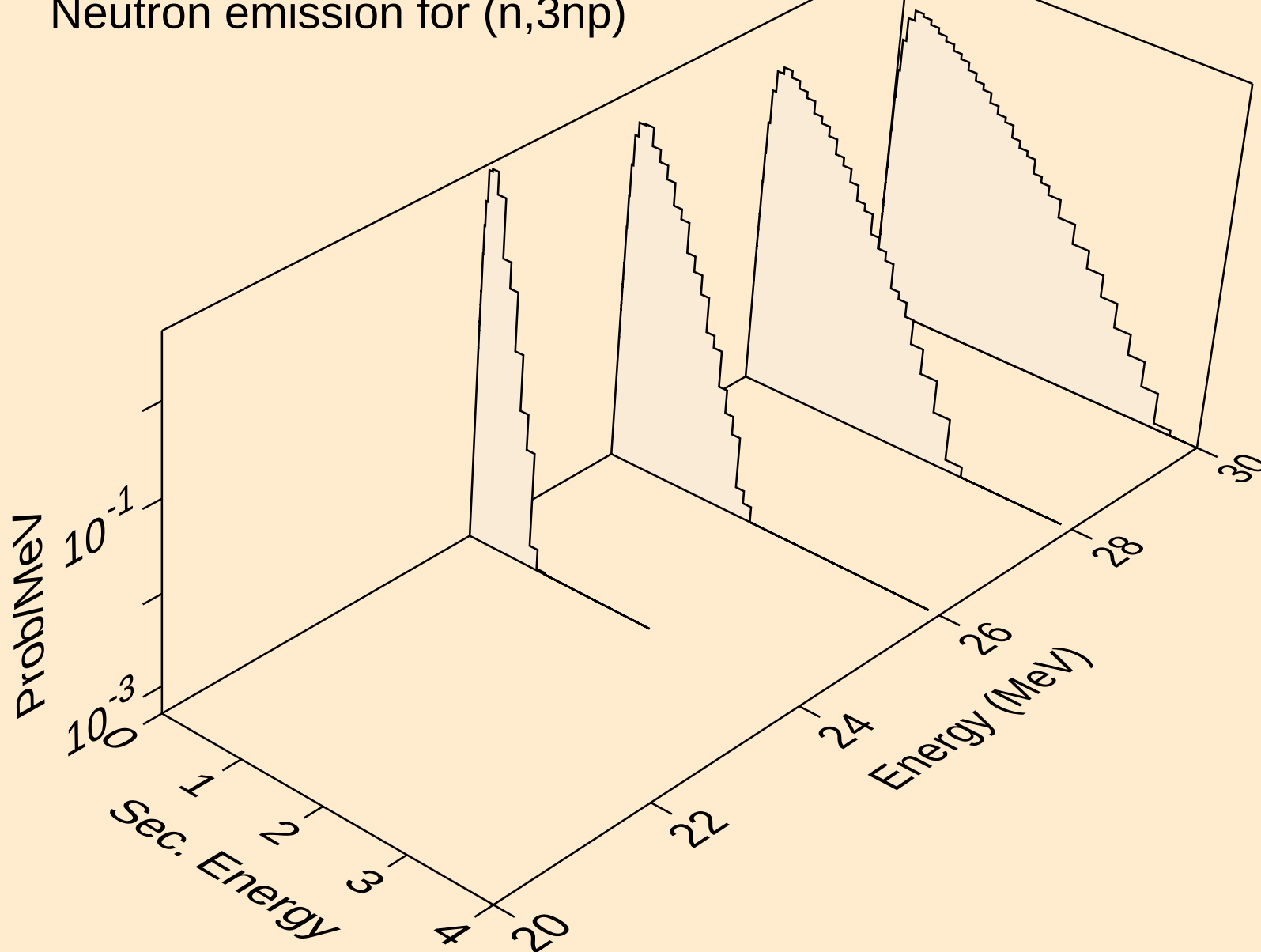
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



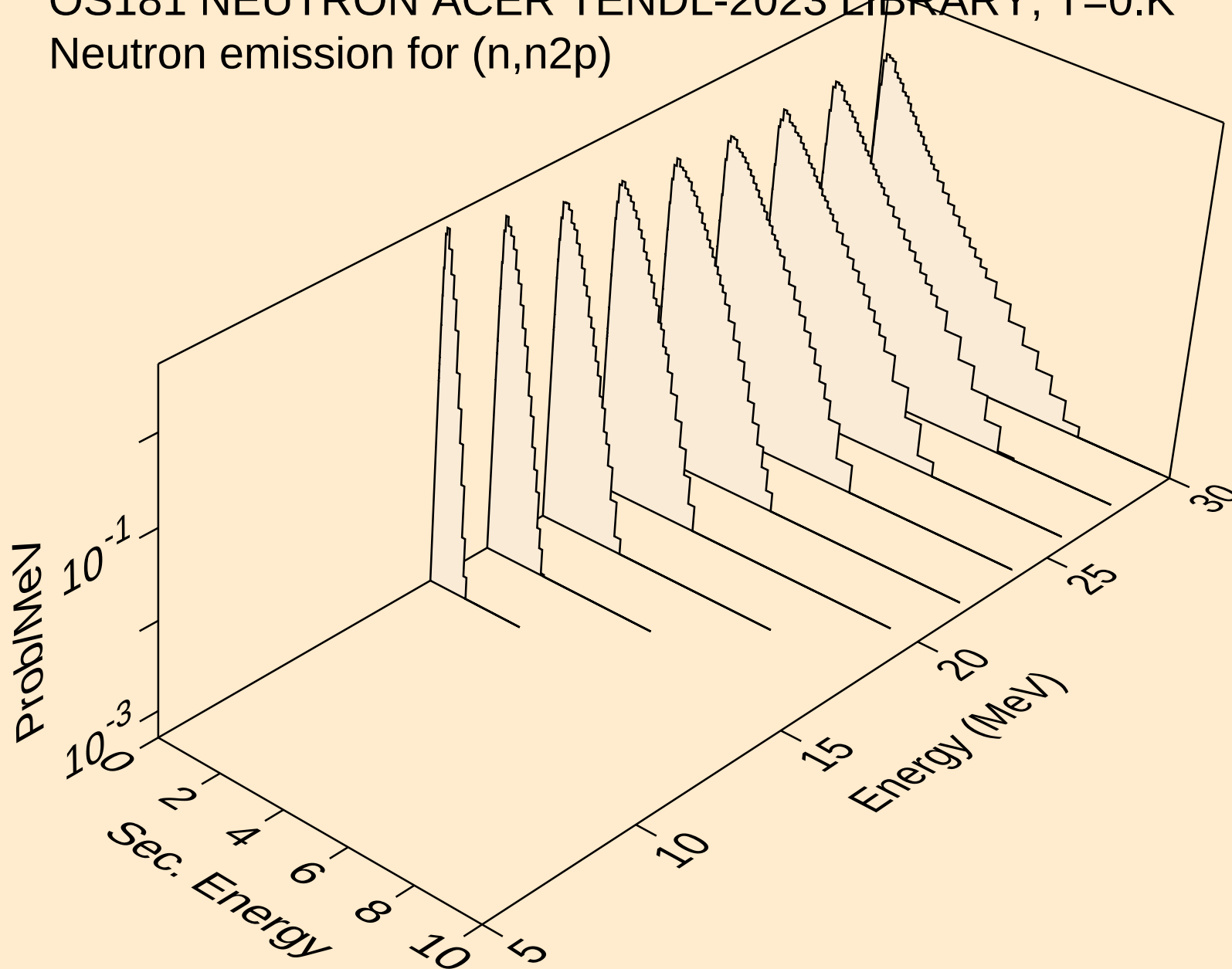
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

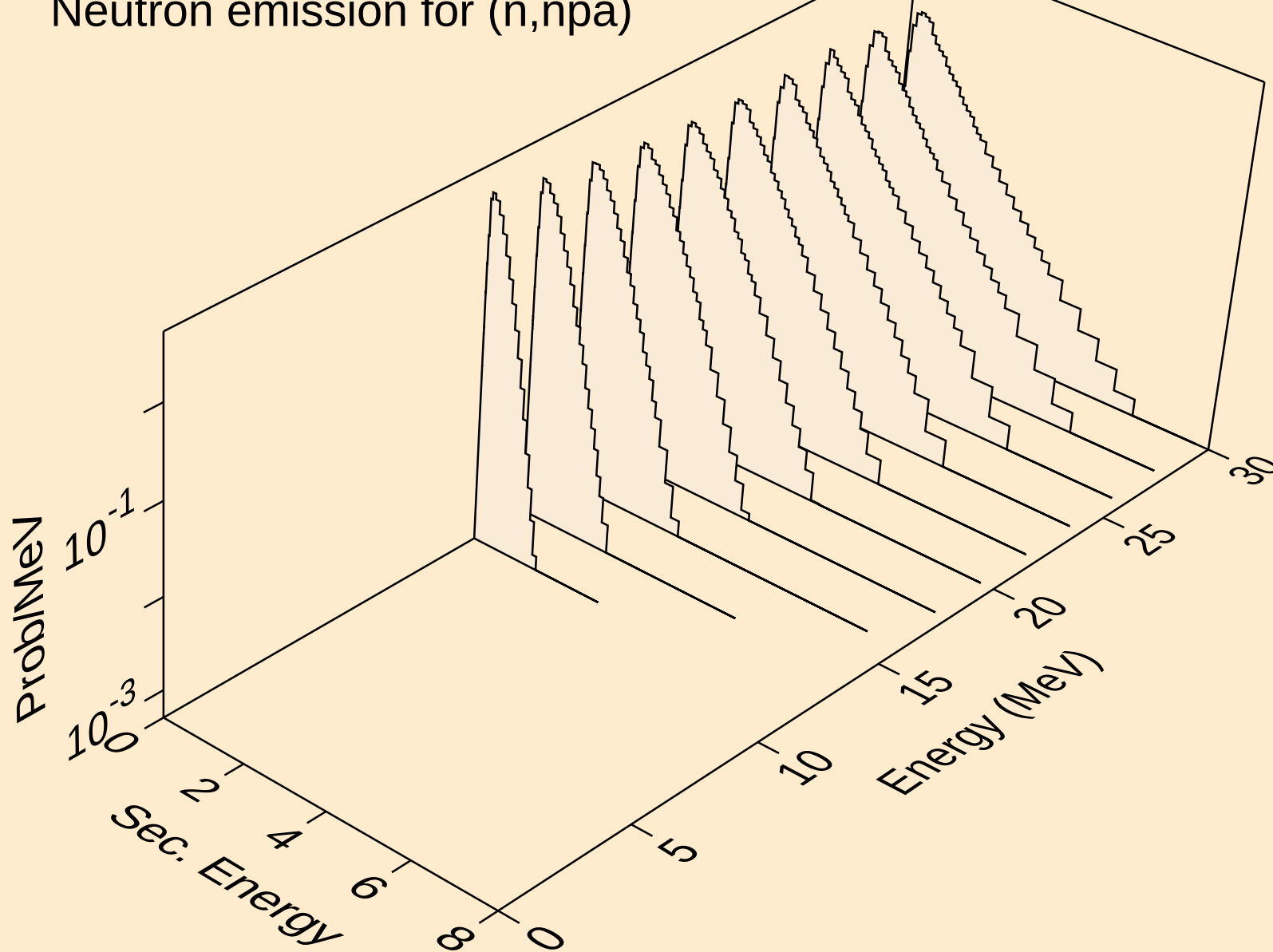


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

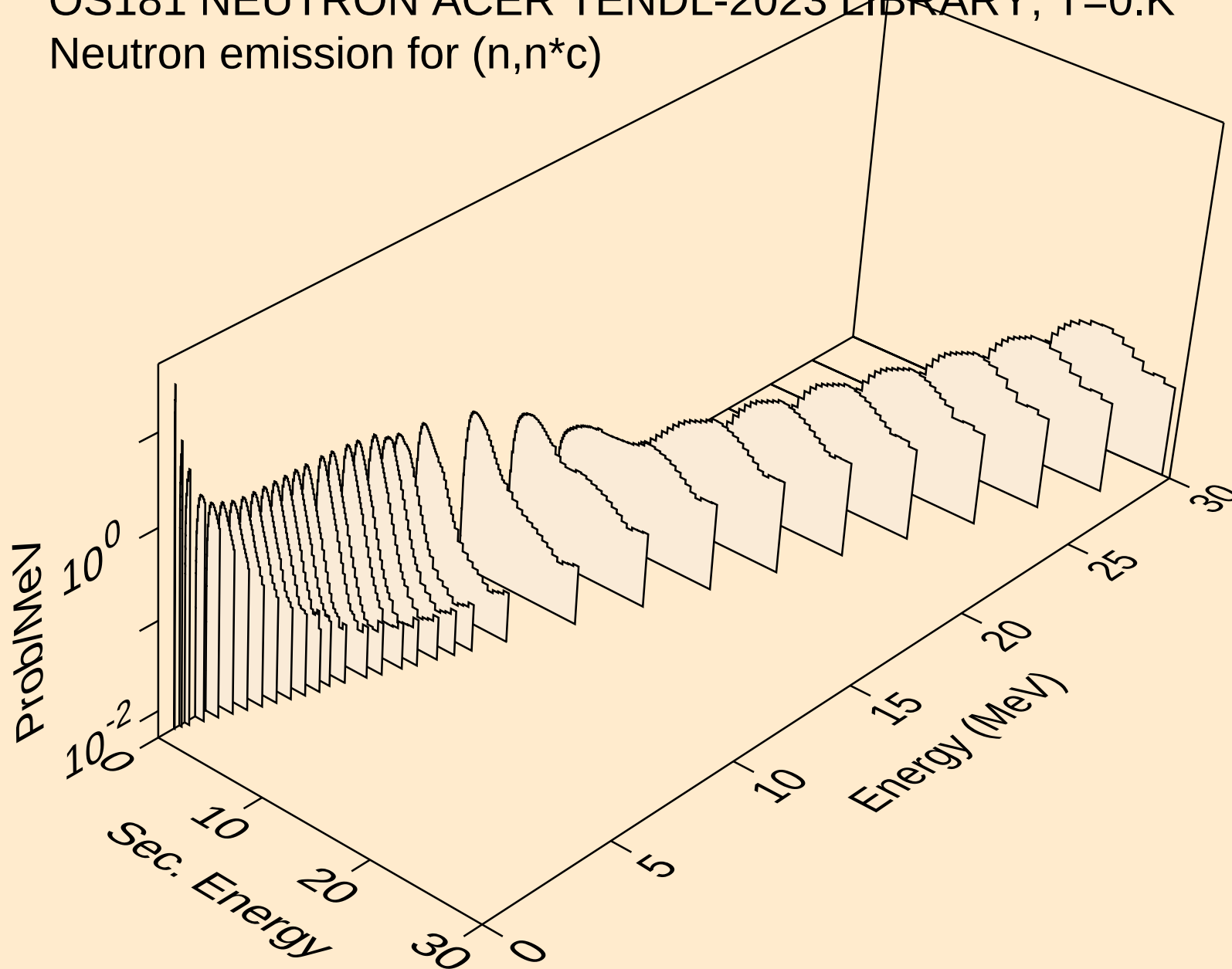




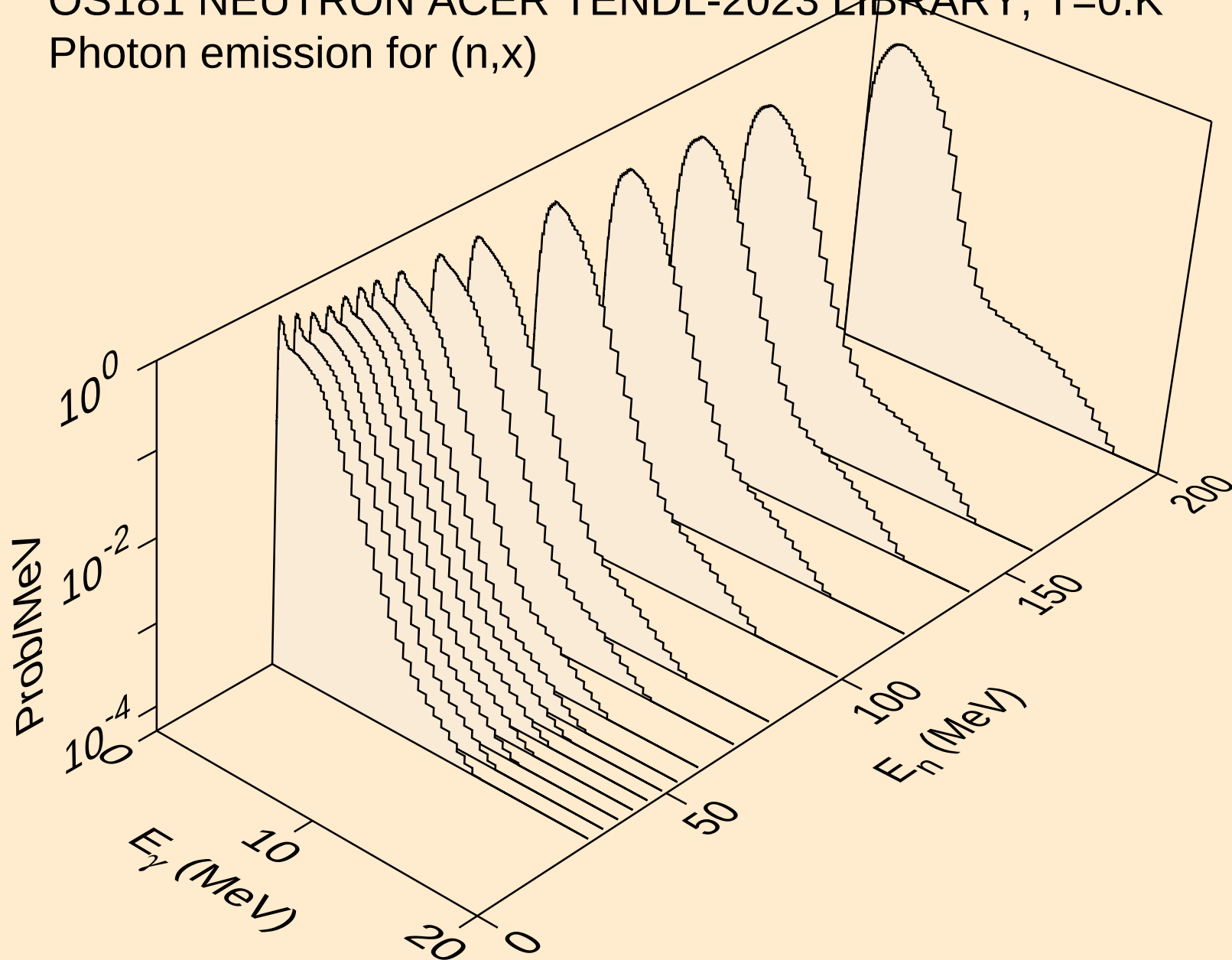
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



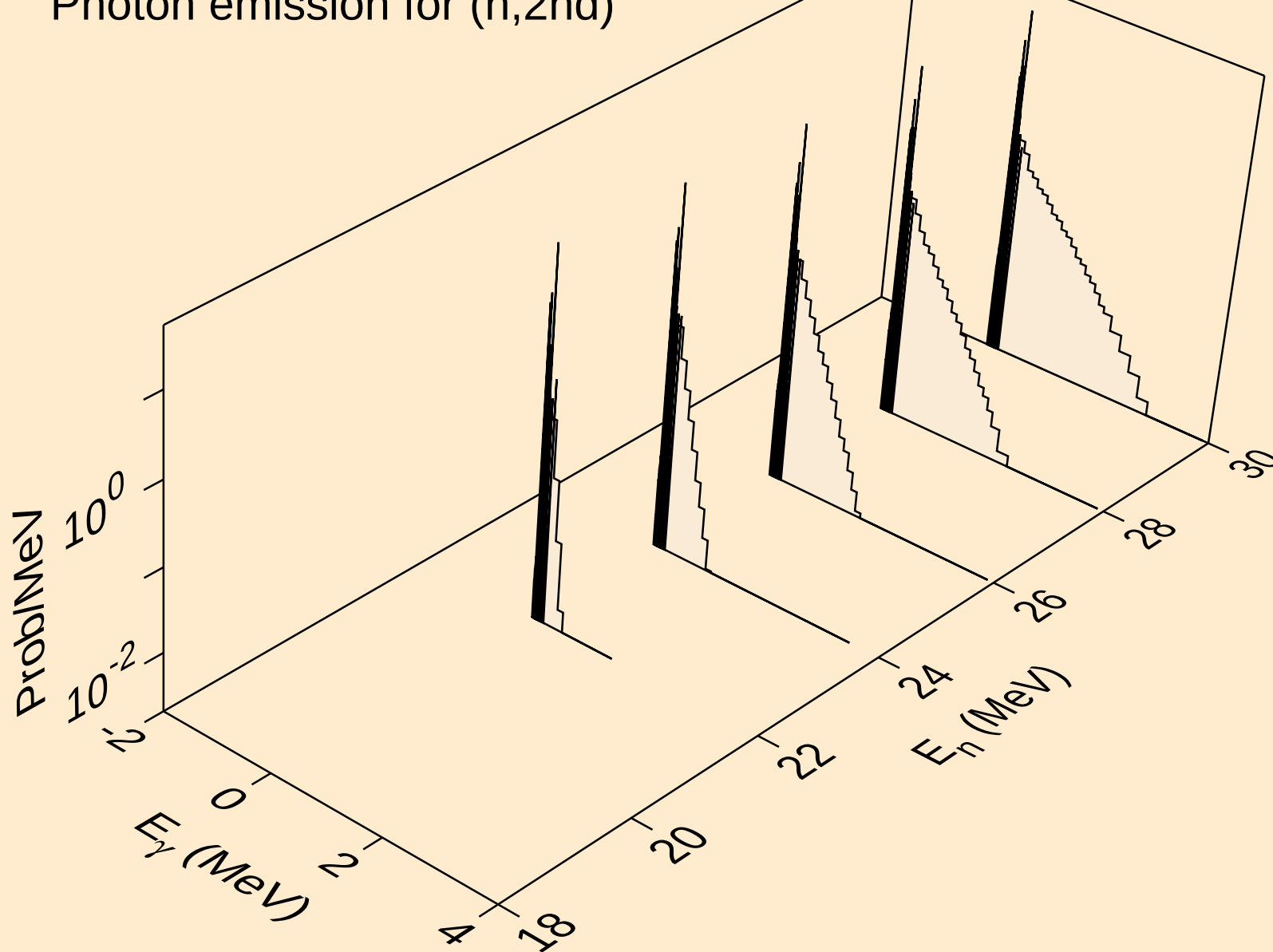
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



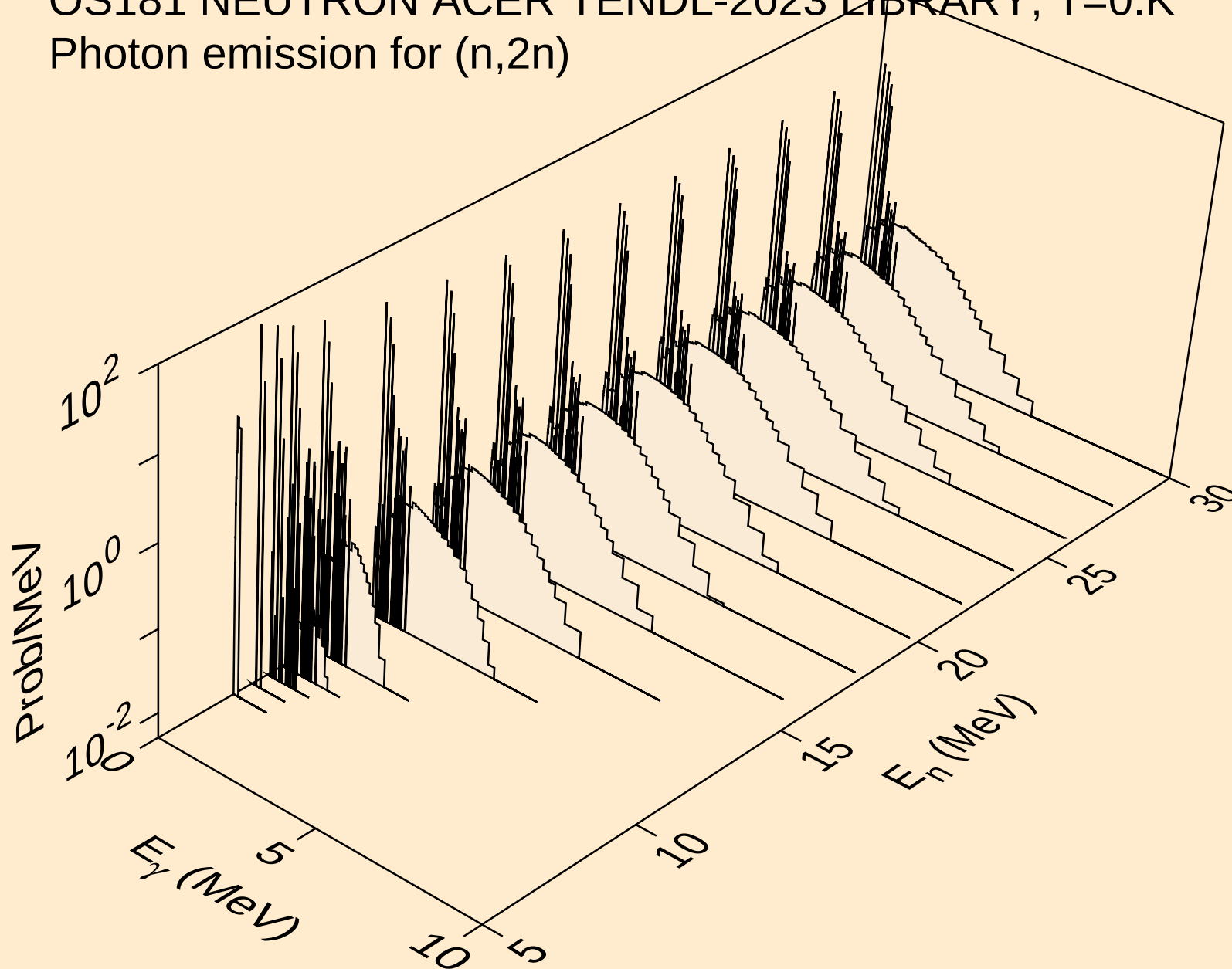
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



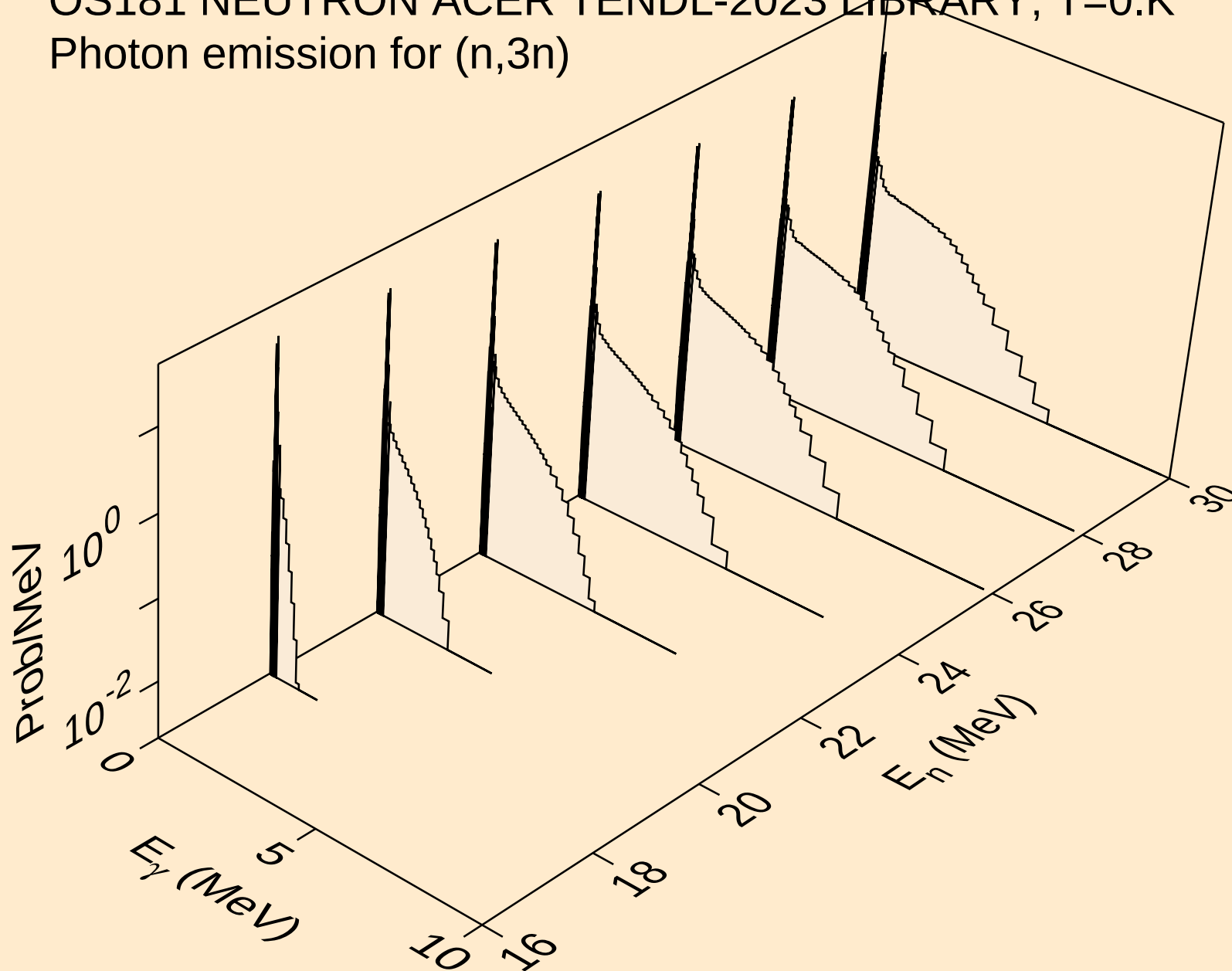
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



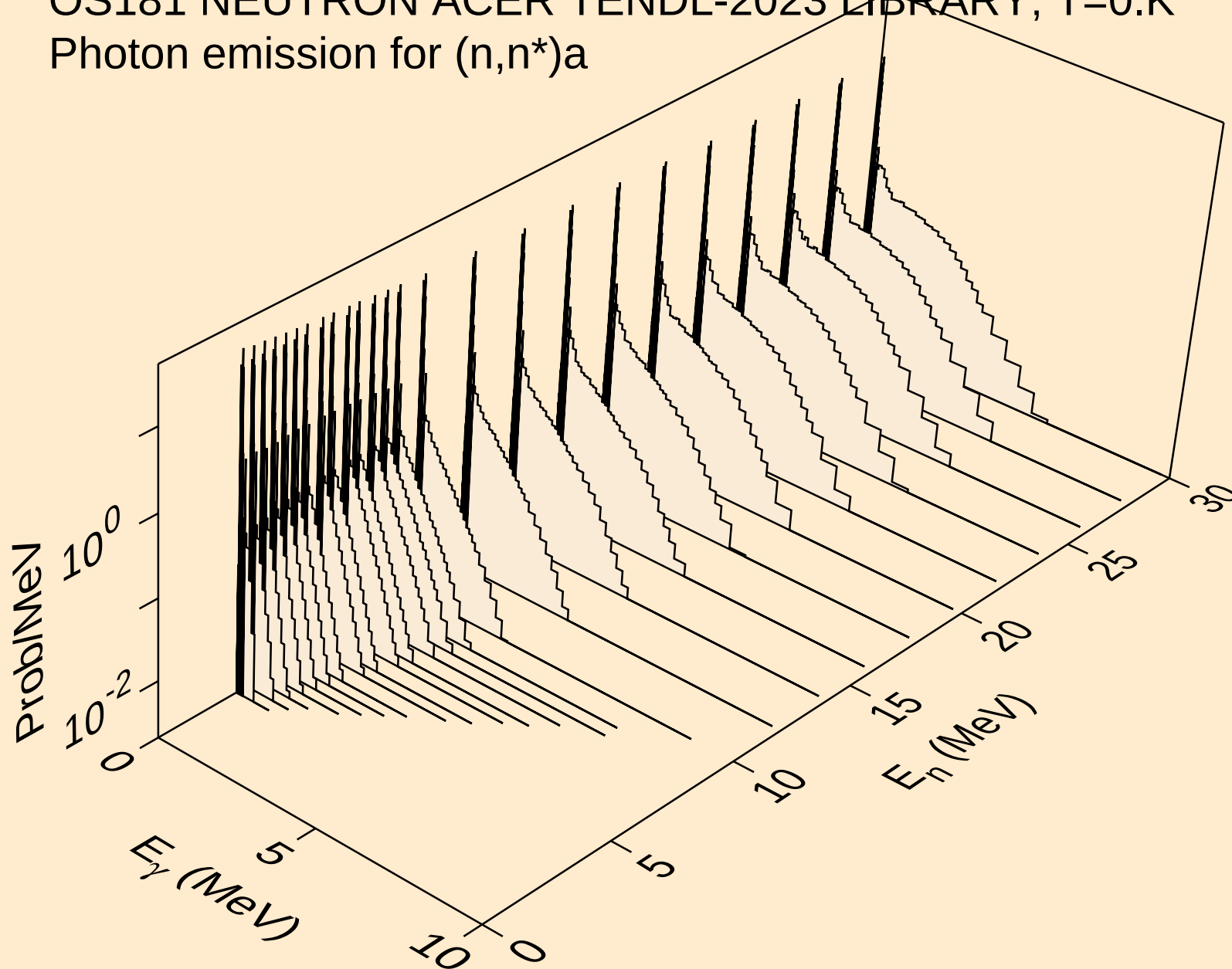
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



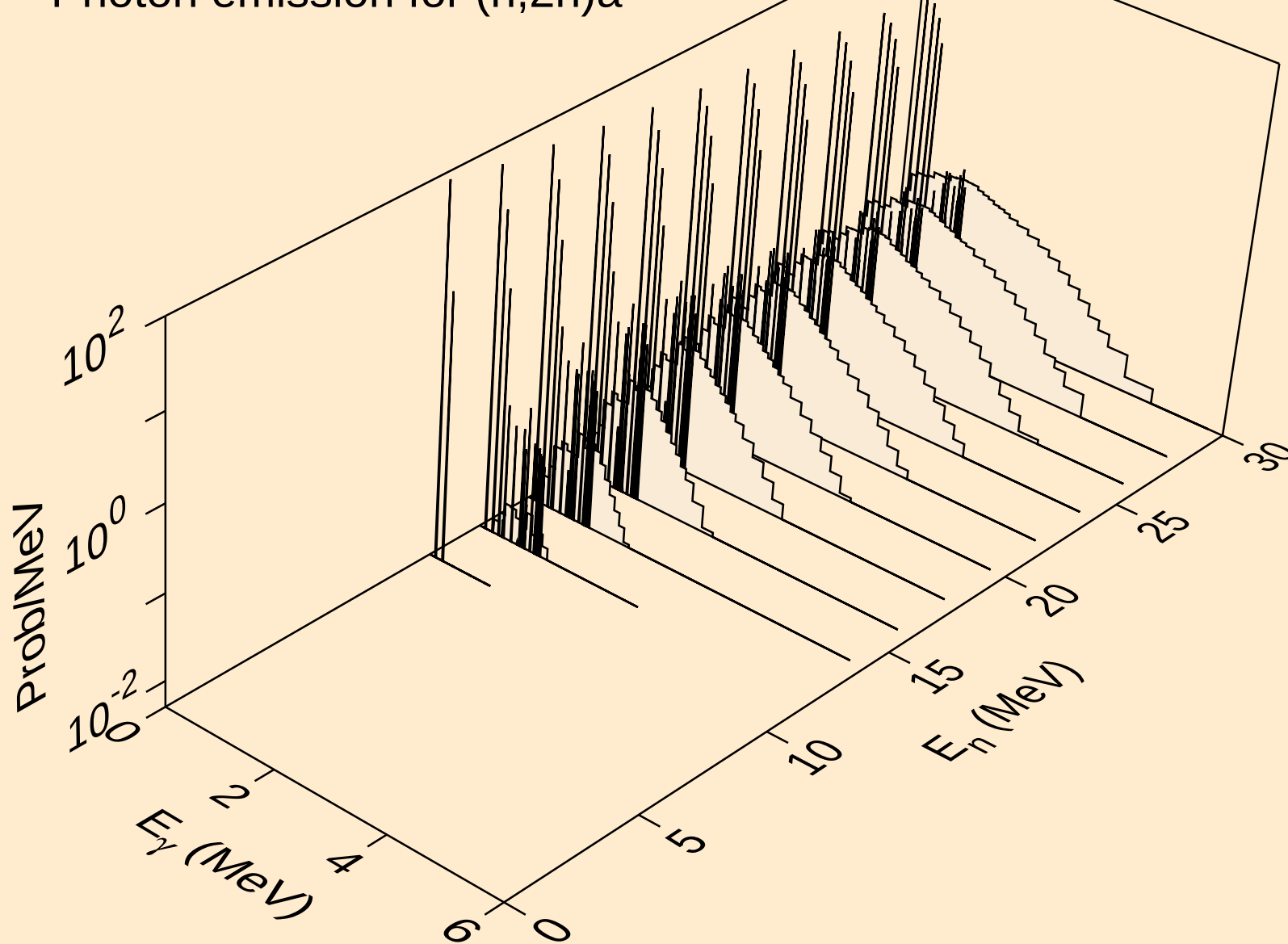
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



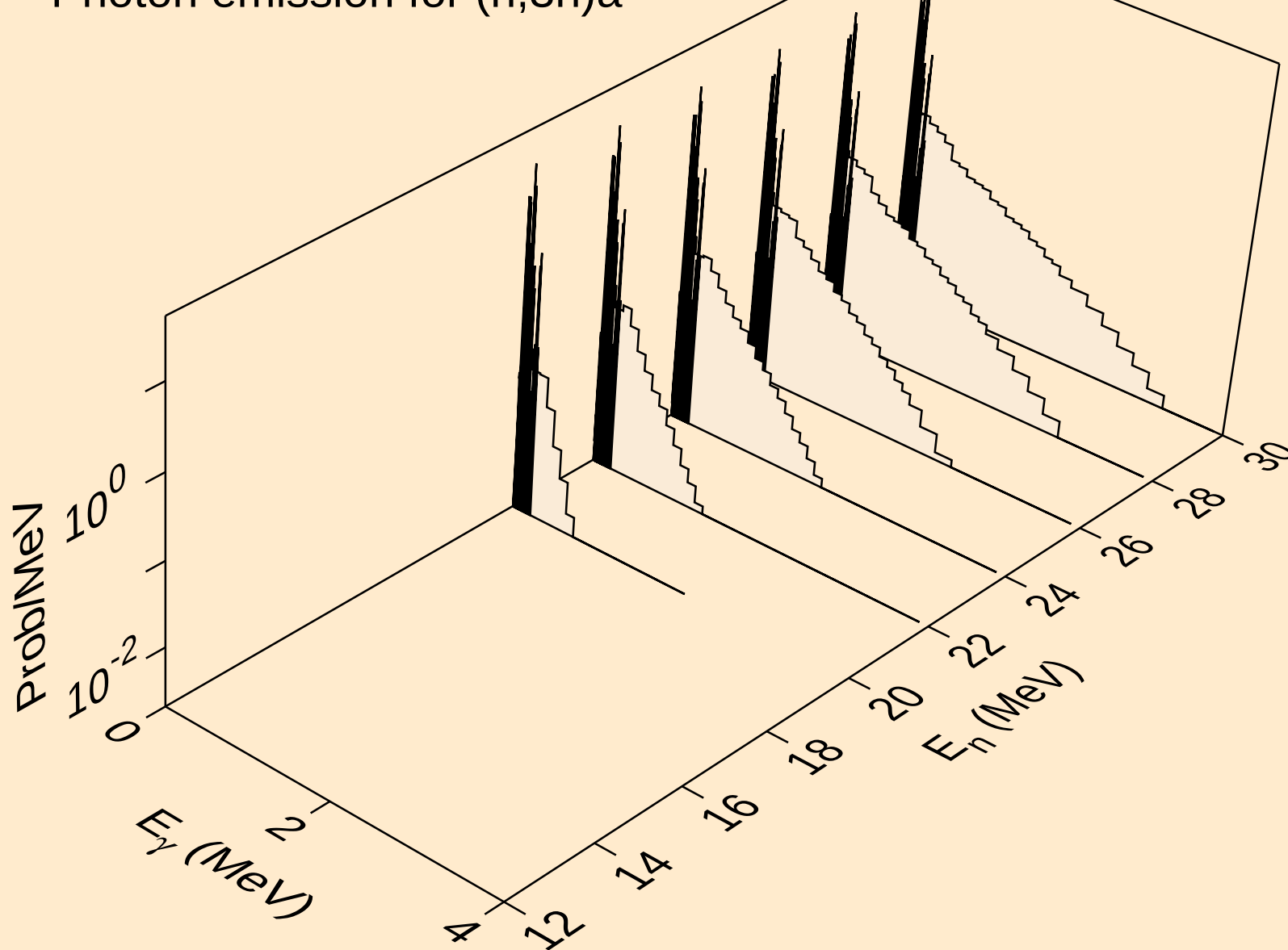
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



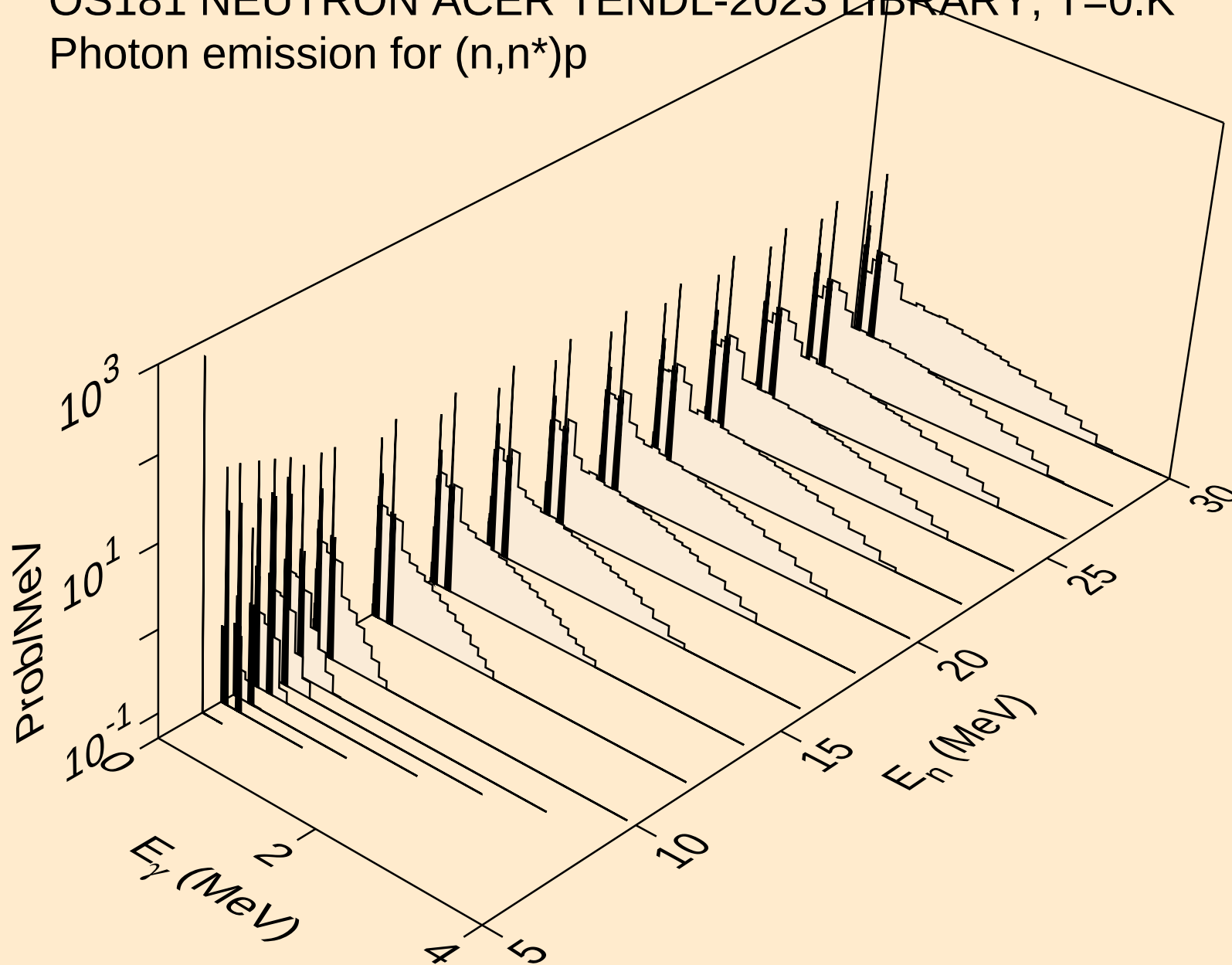


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

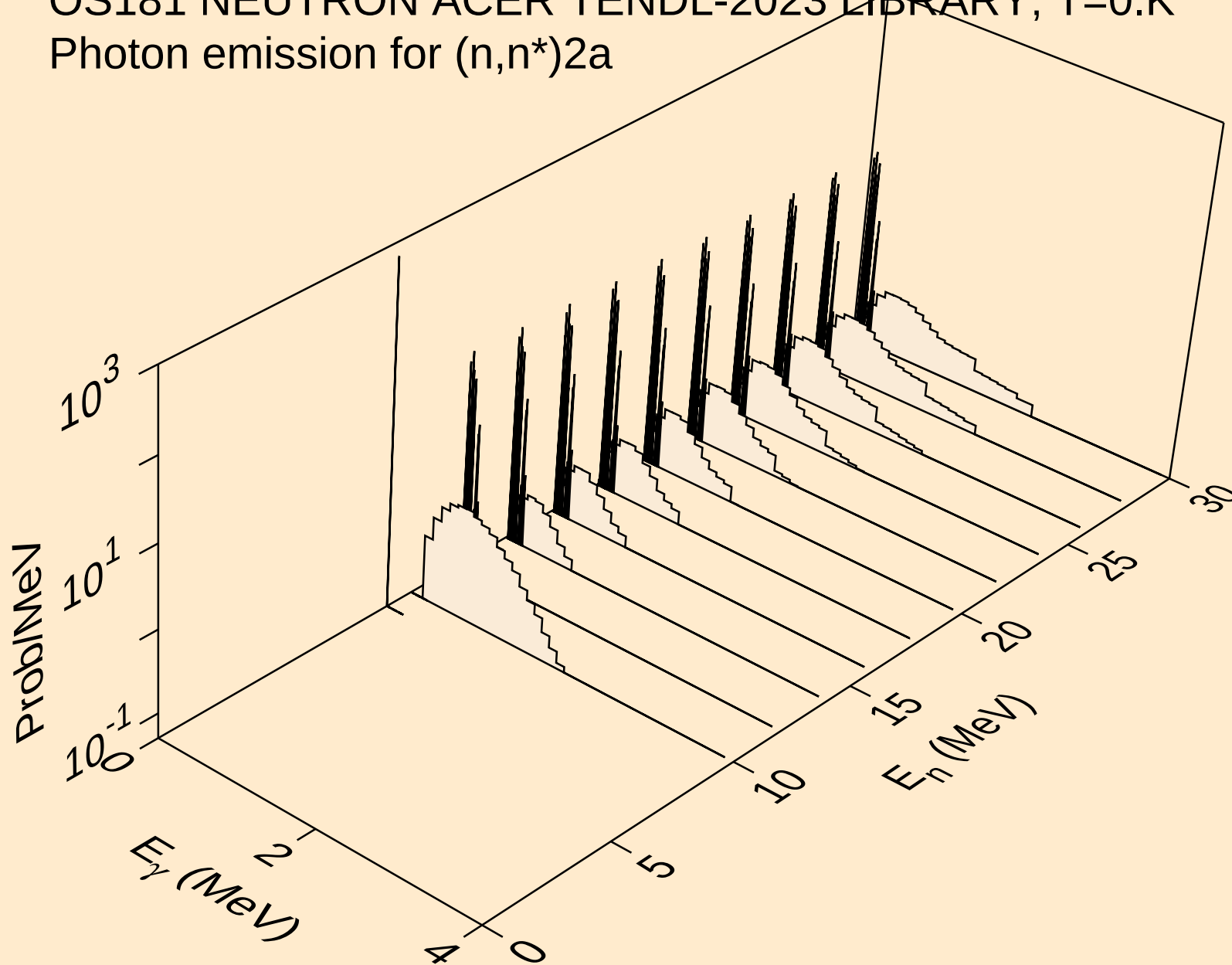
Photon emission for (n,3n) $\alpha$



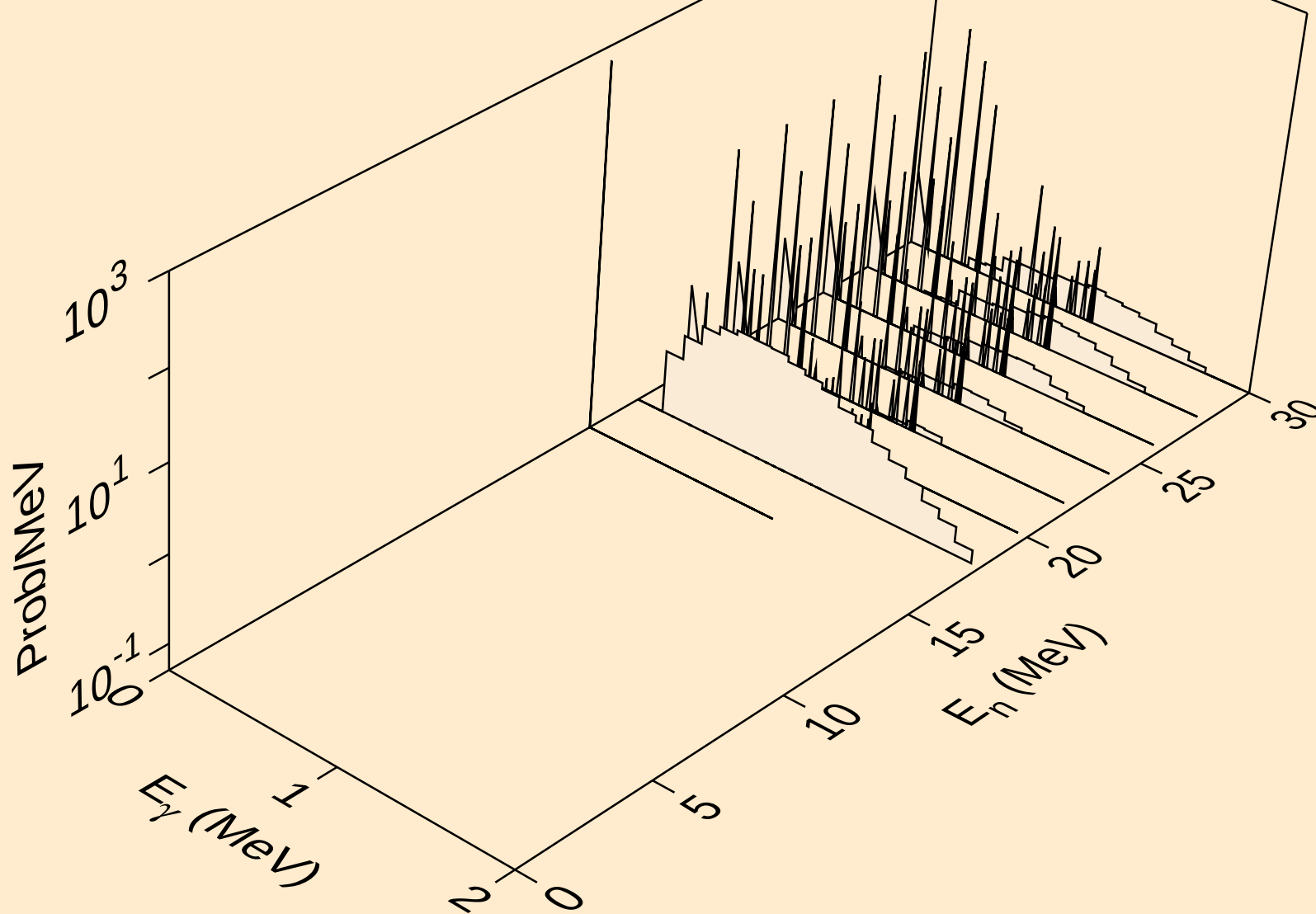
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



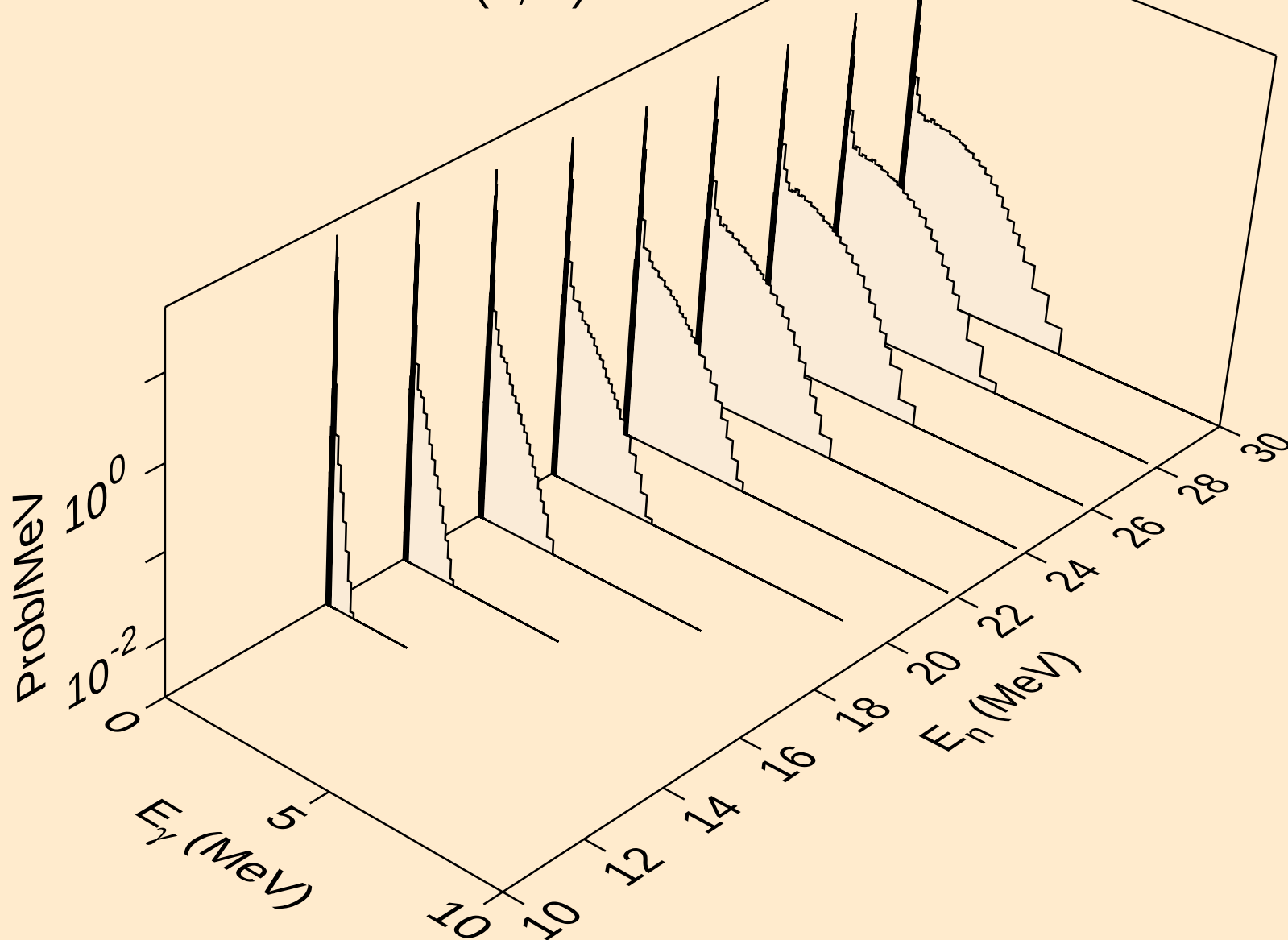
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



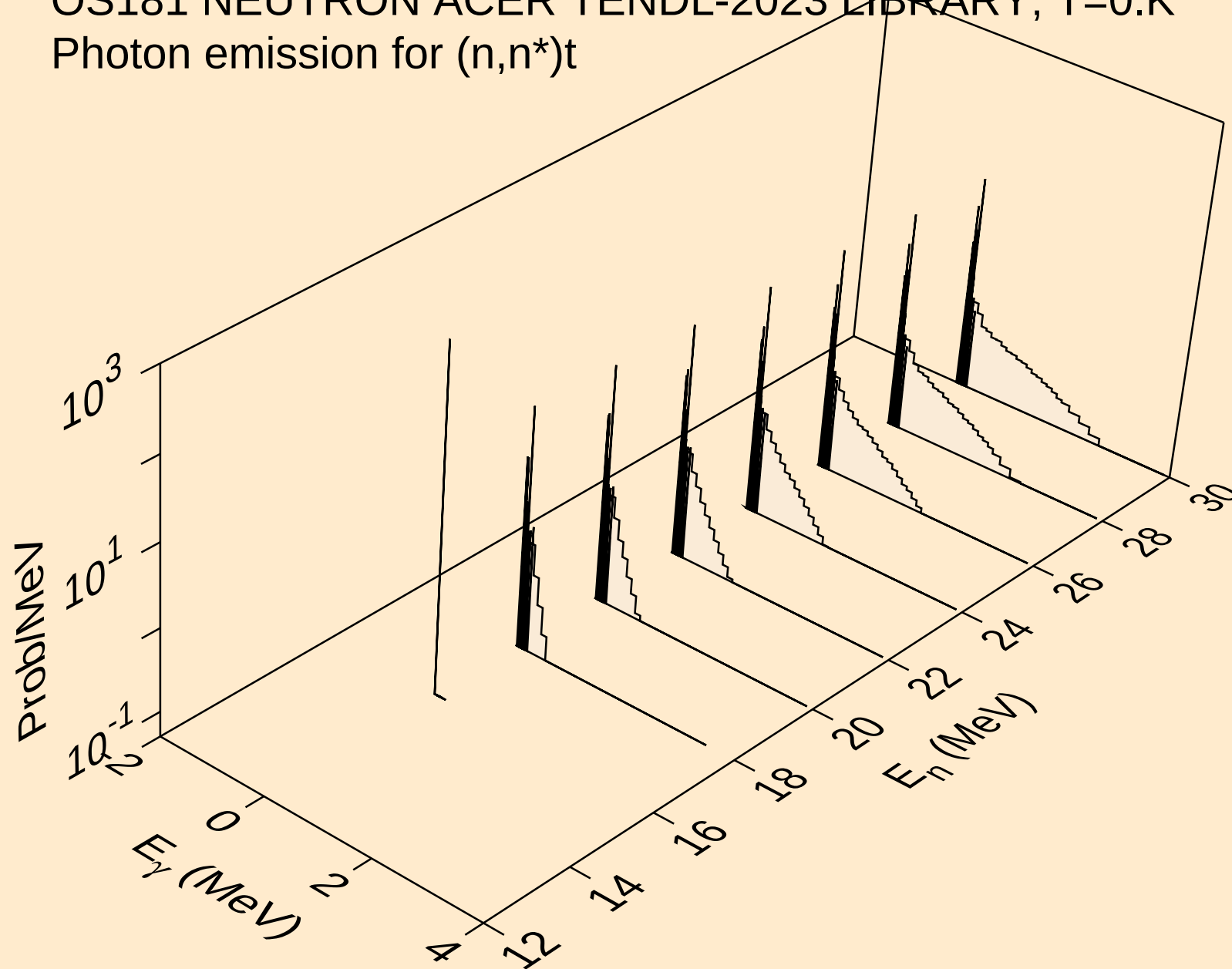
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



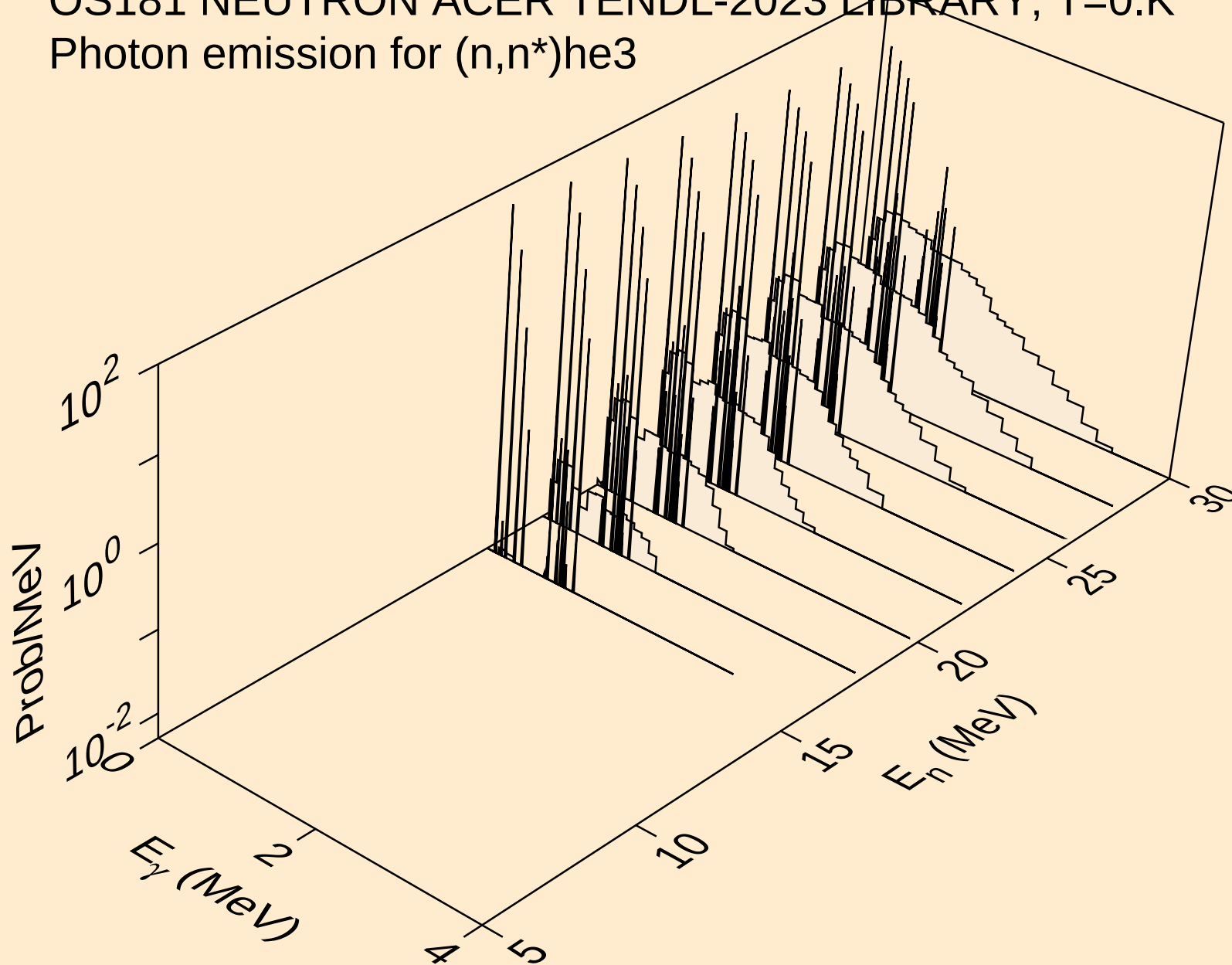
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



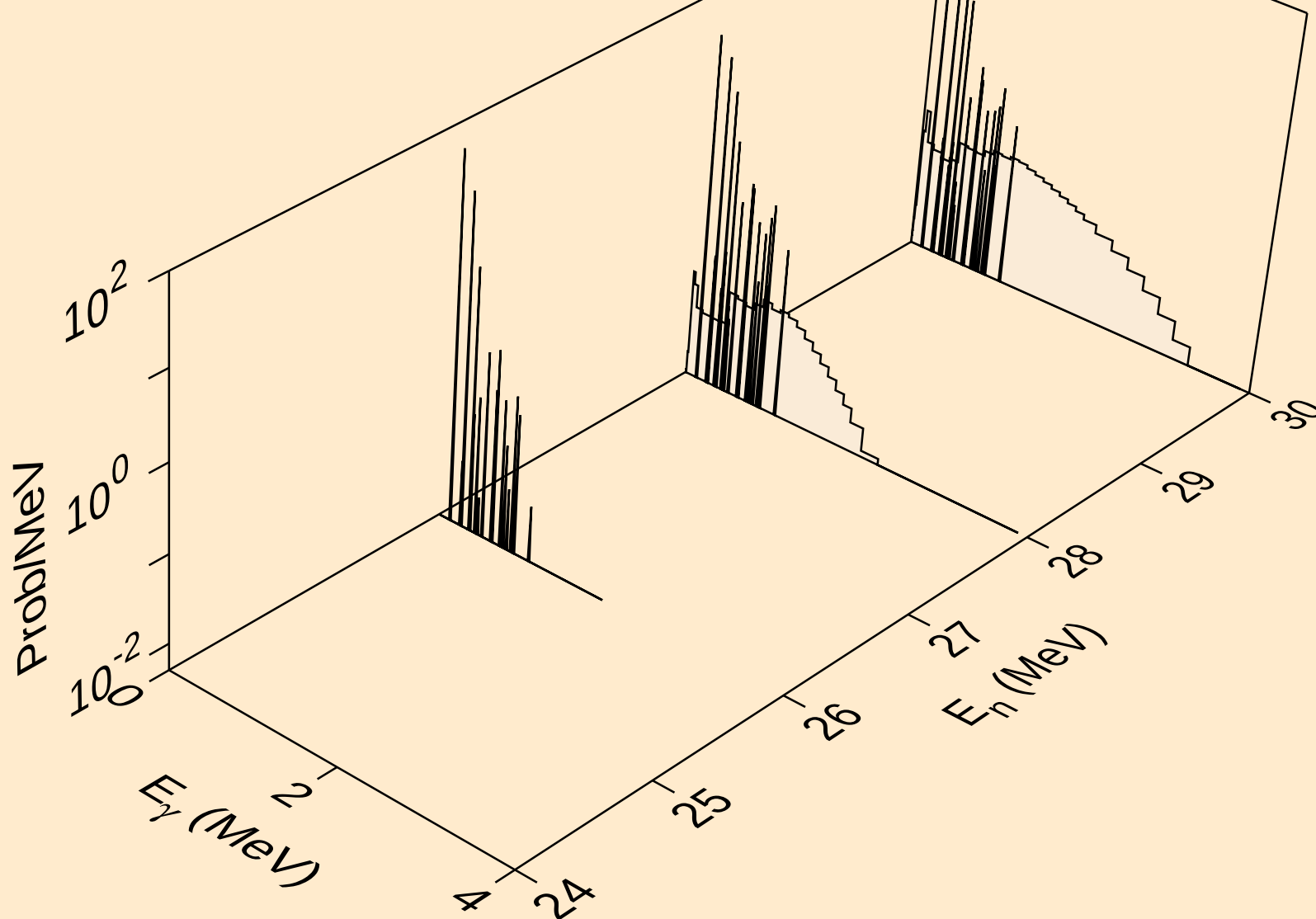
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

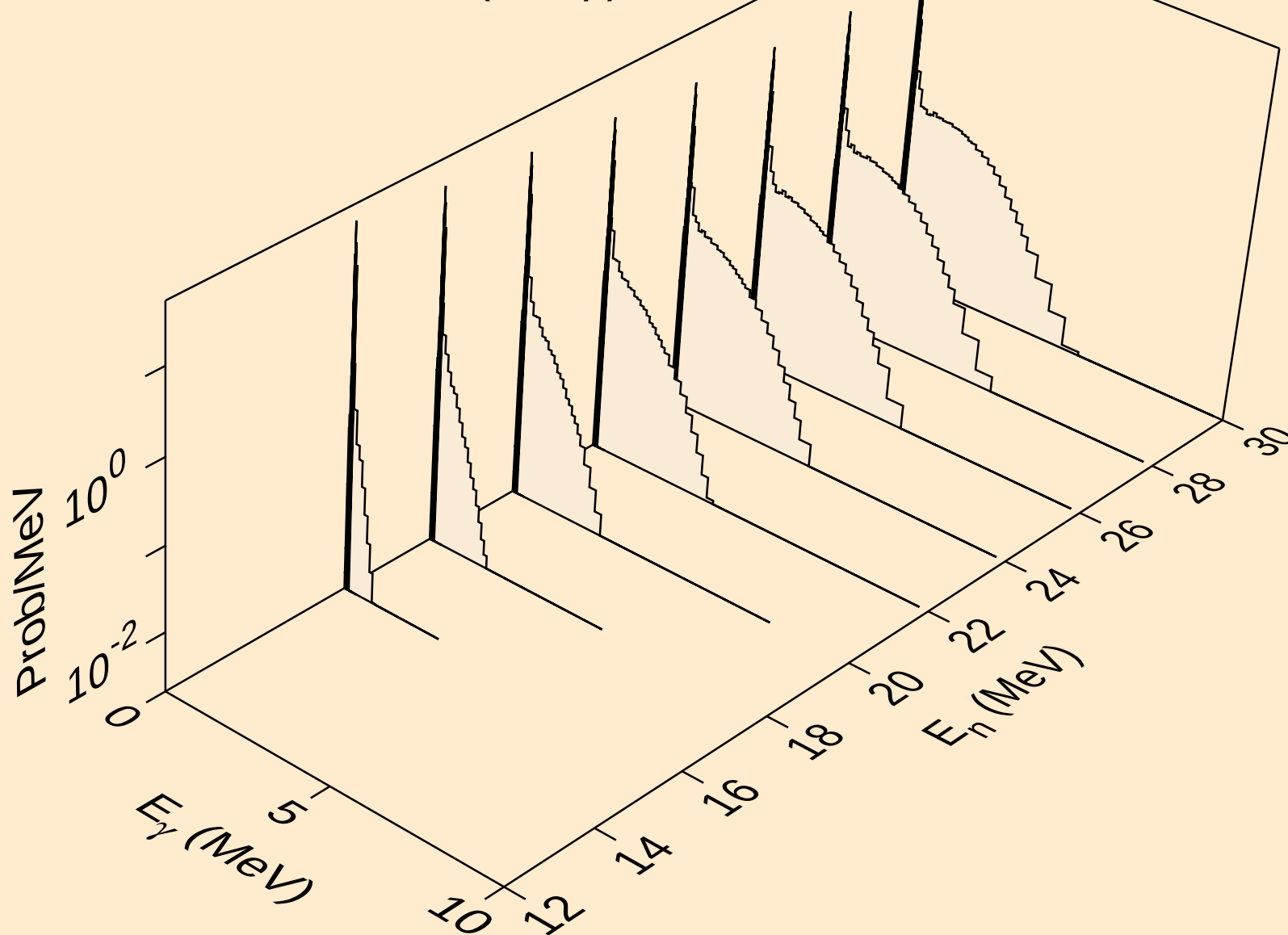


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

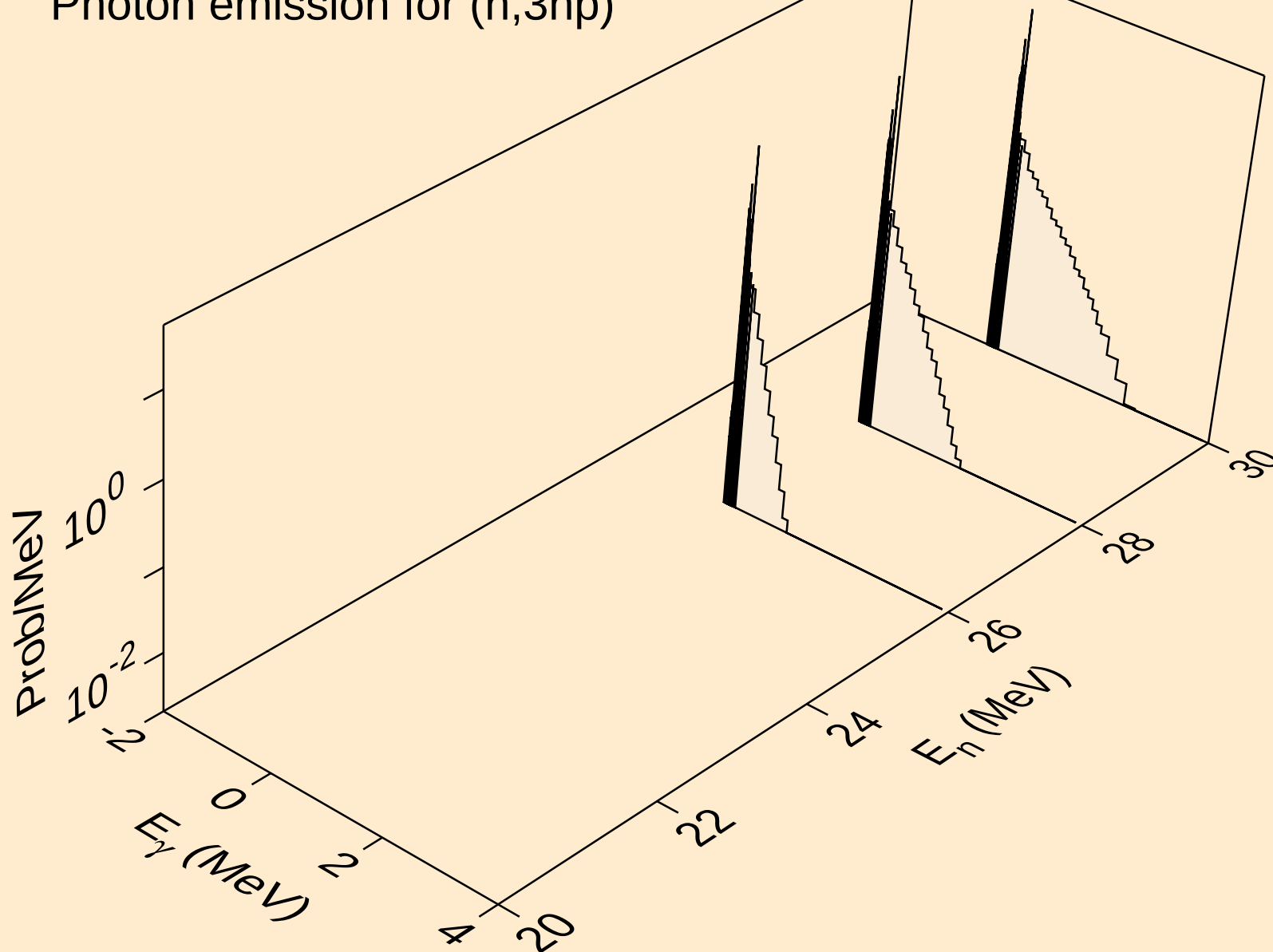




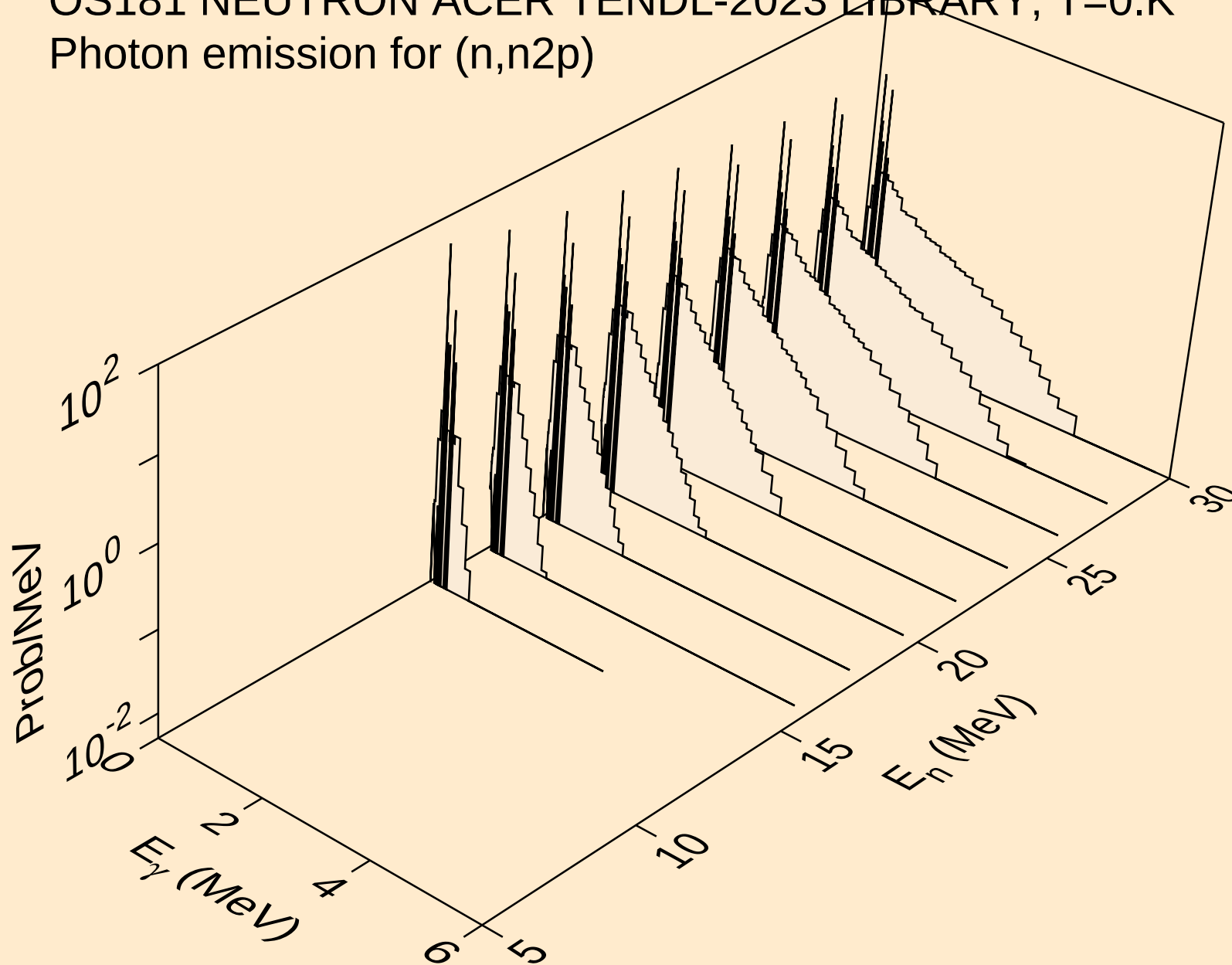
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



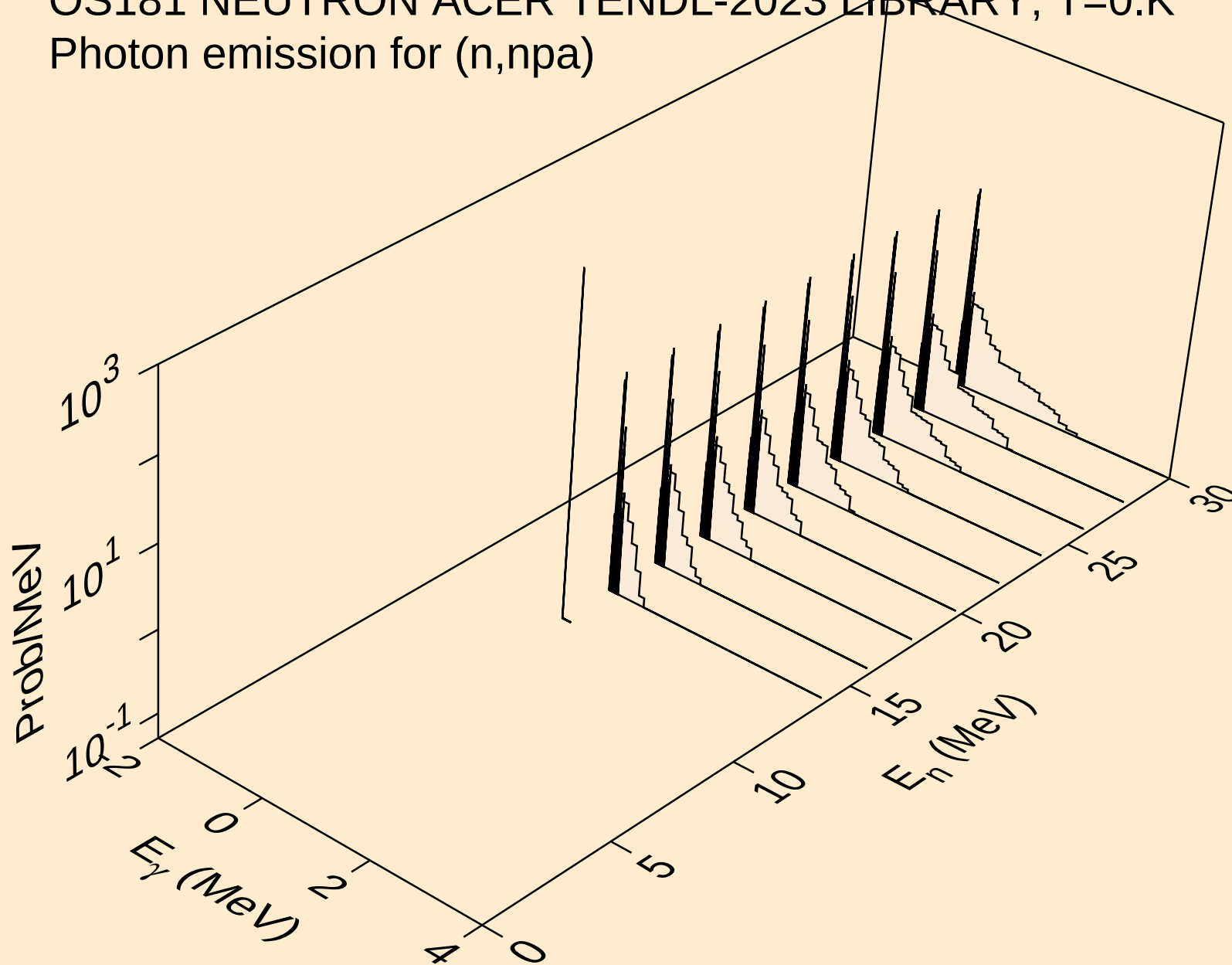
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



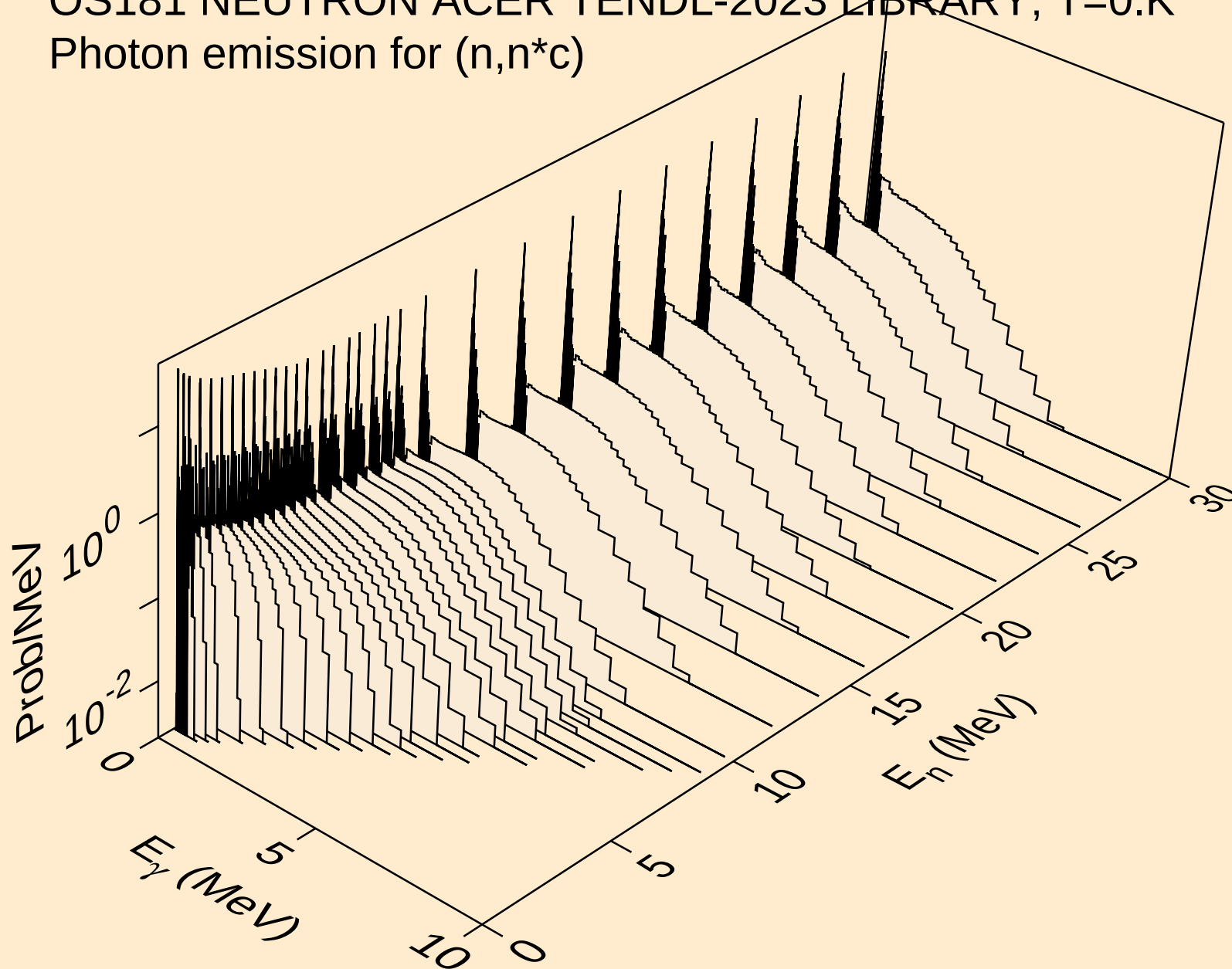
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



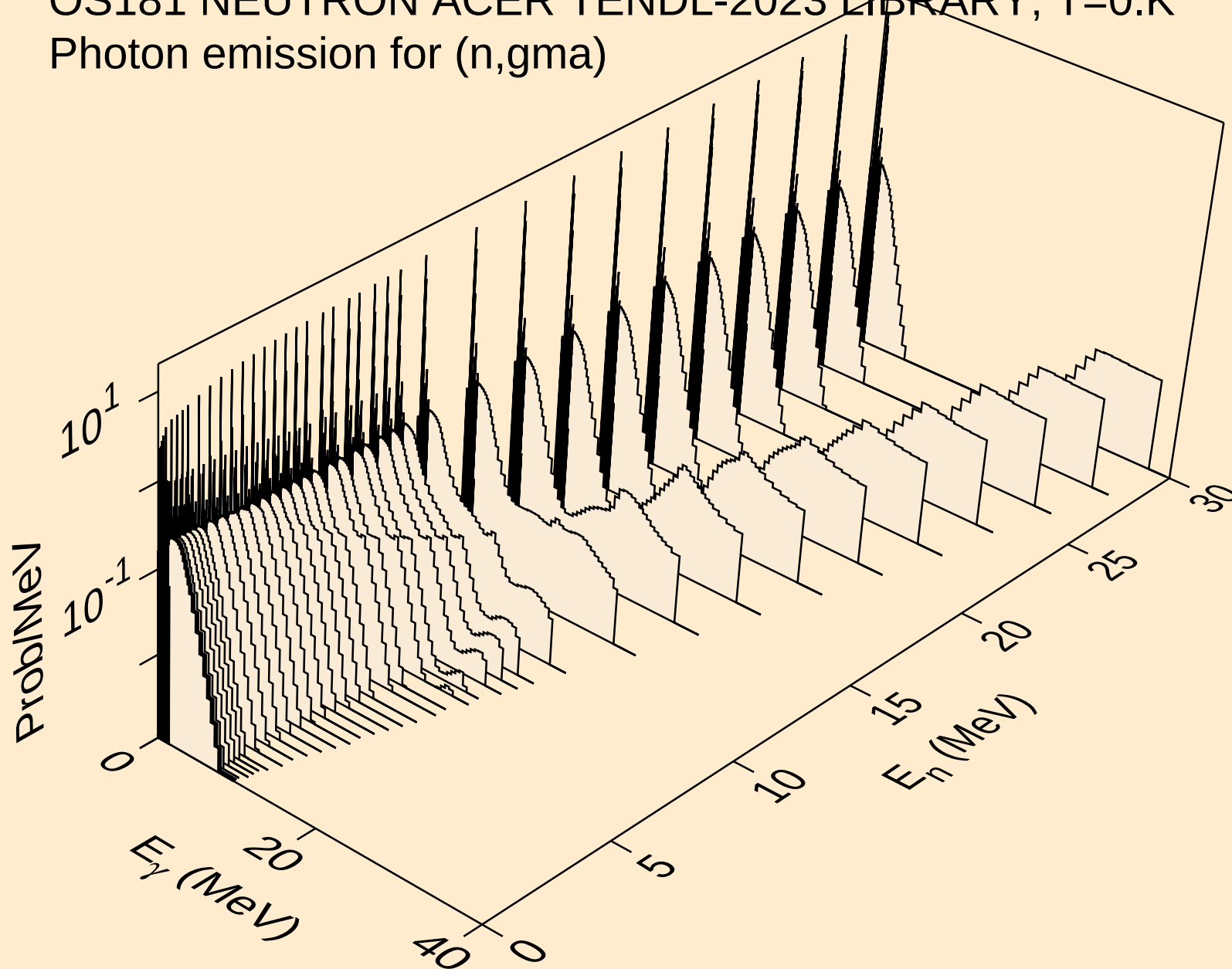
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



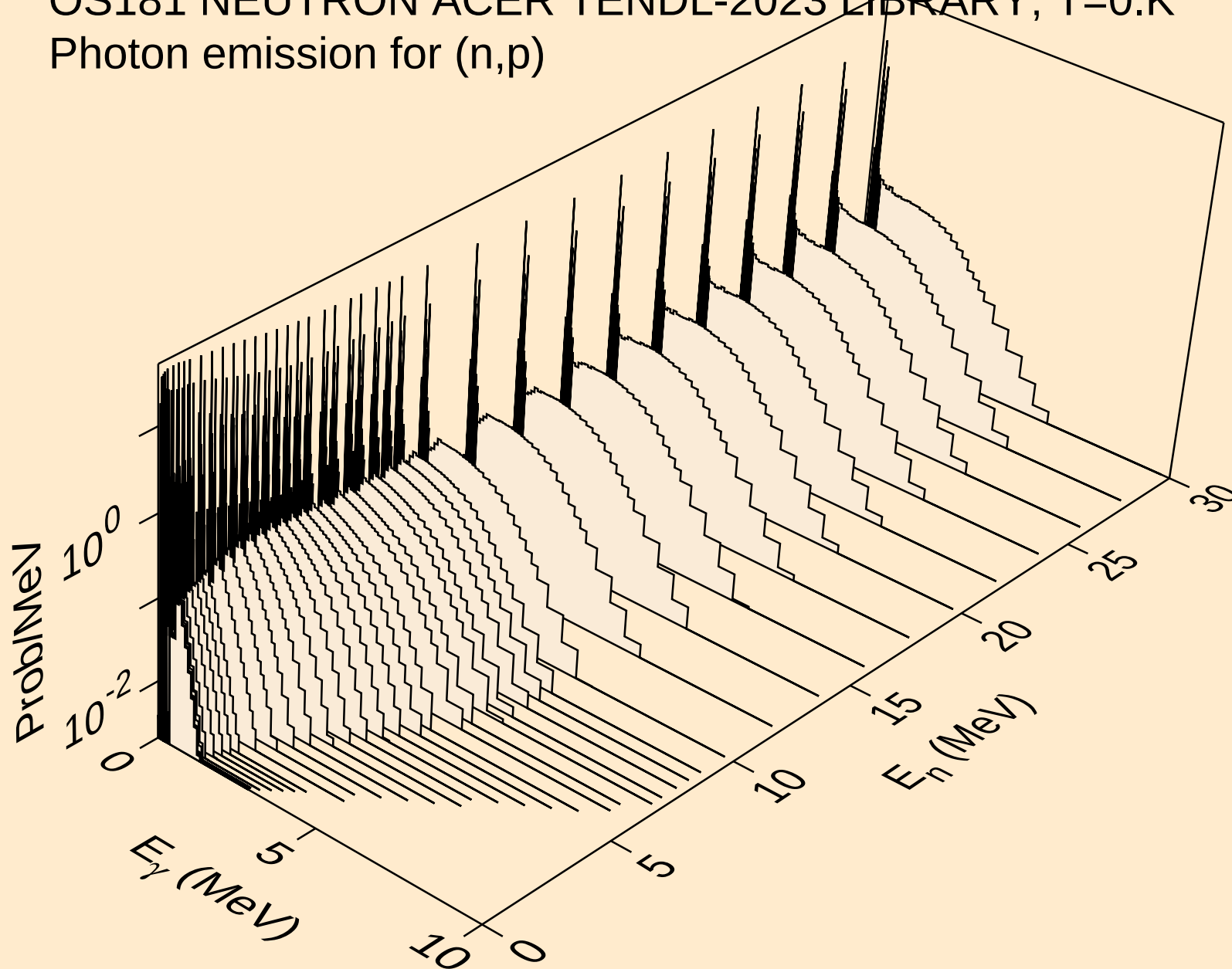
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



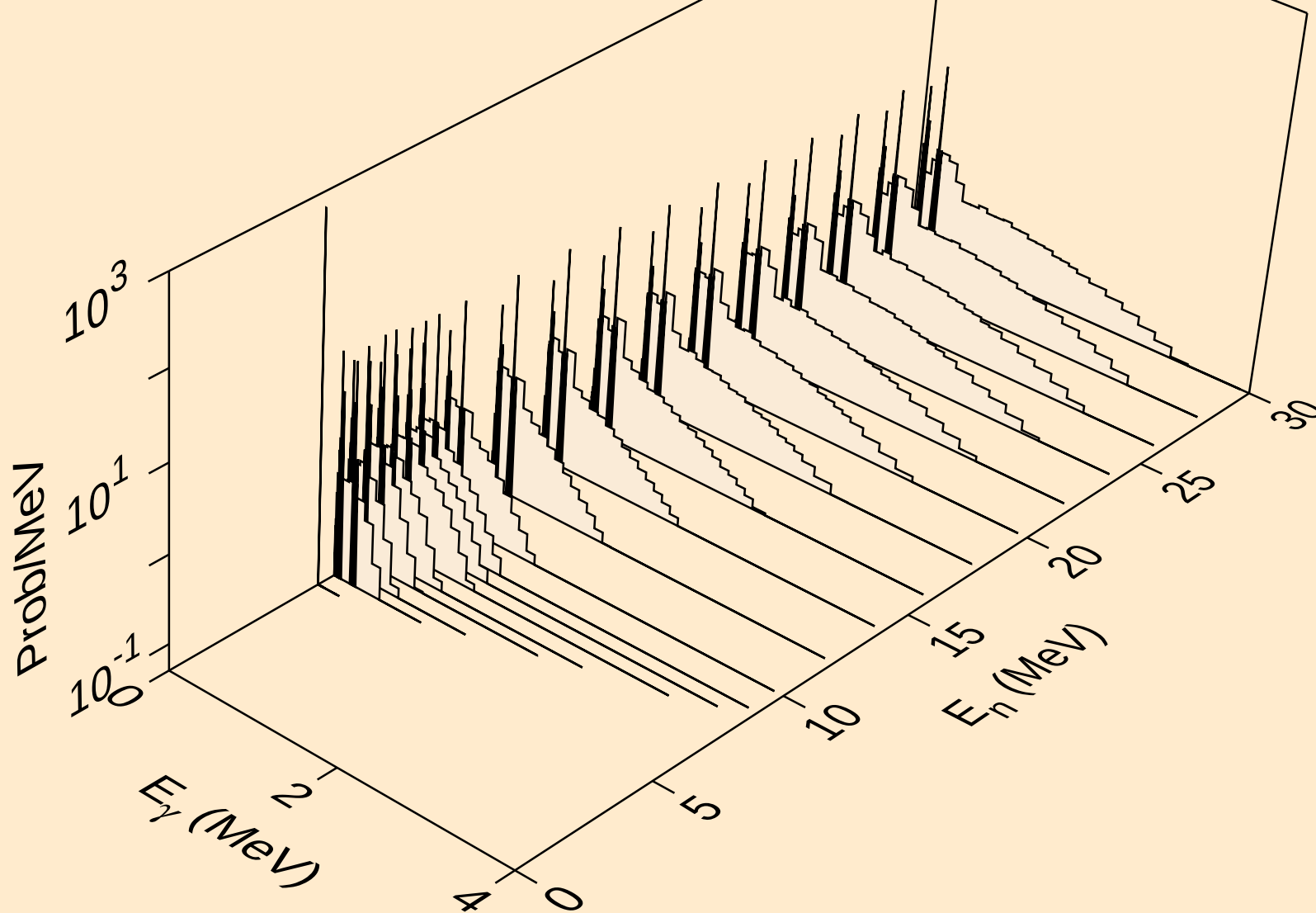
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

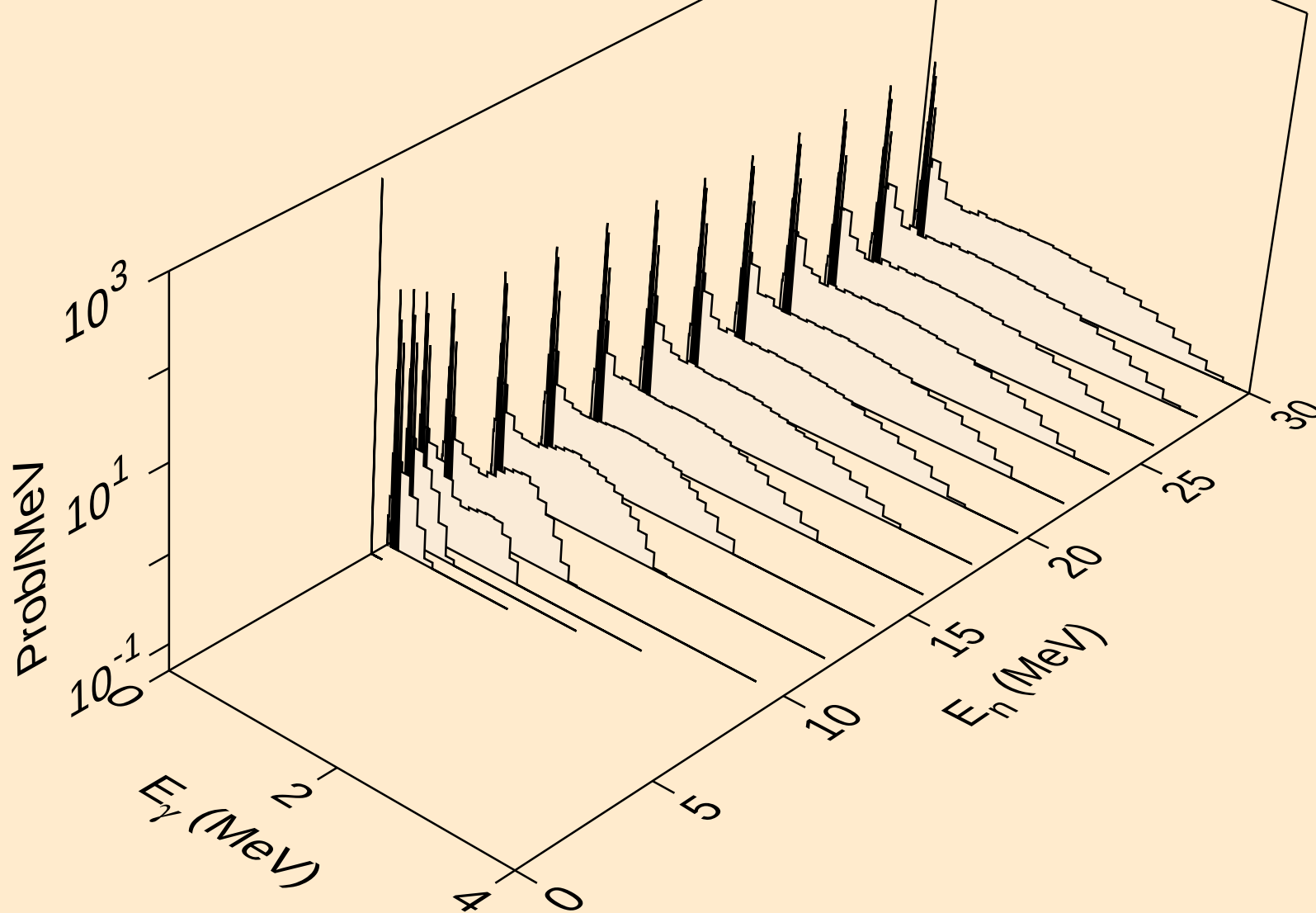


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

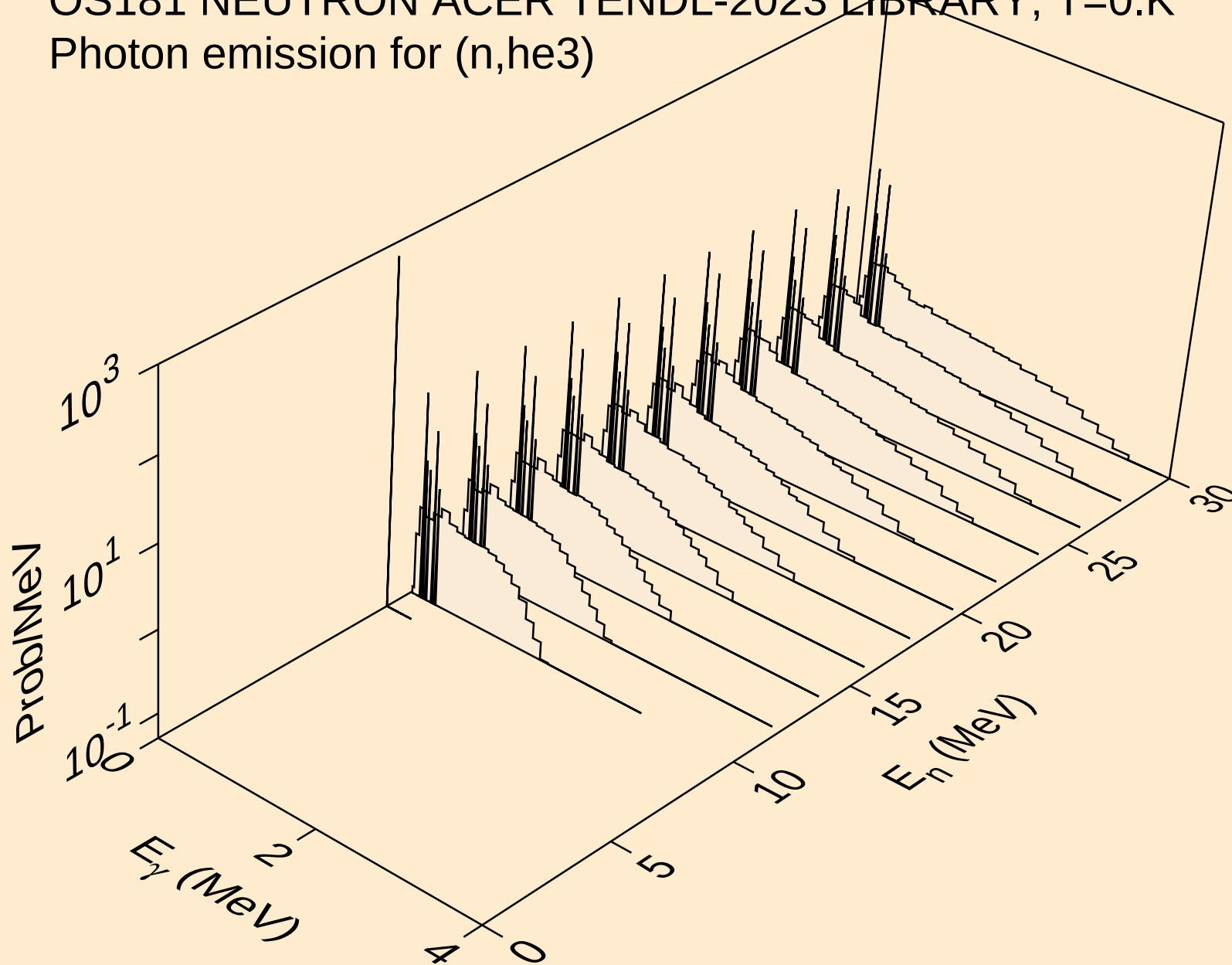




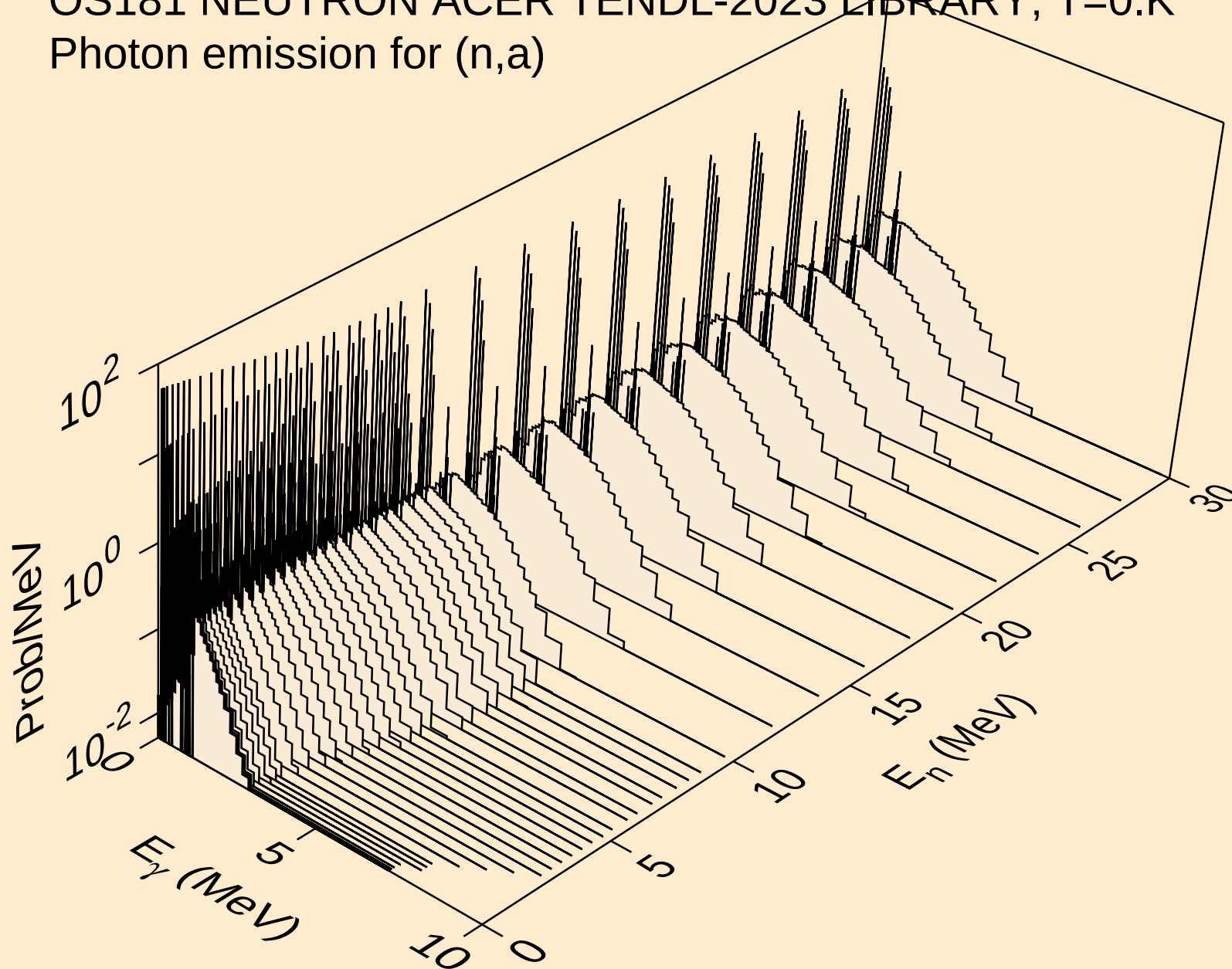
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



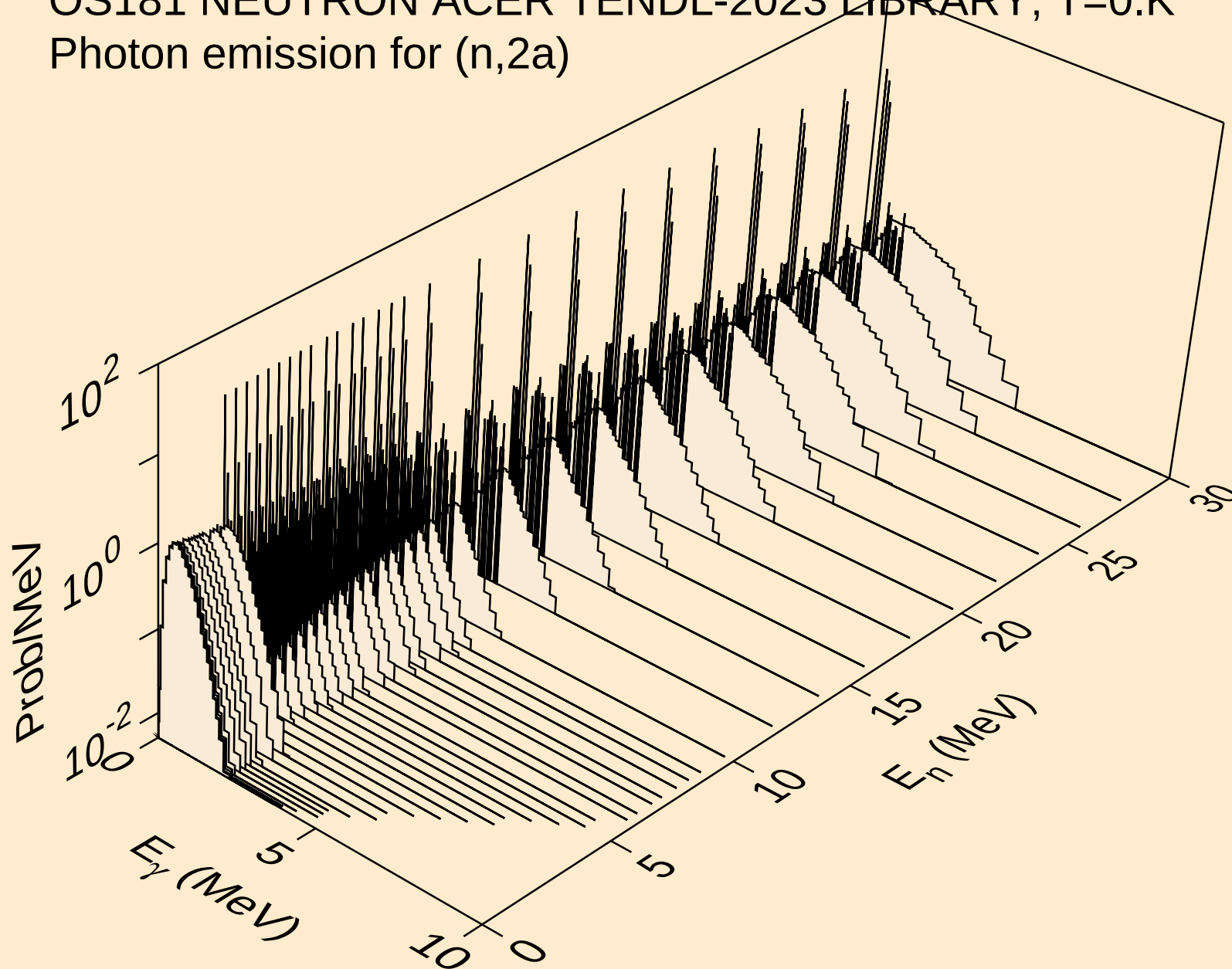
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



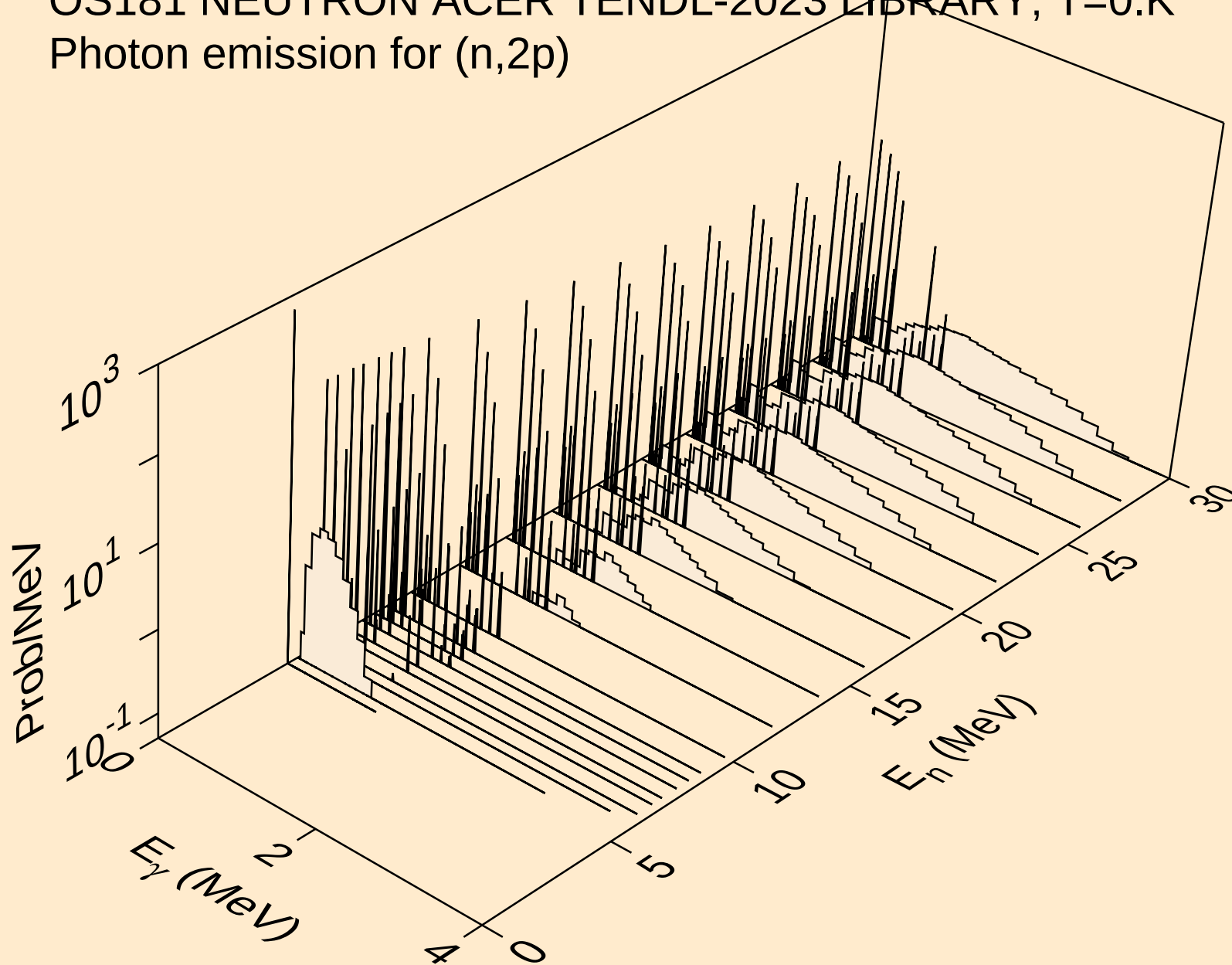
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



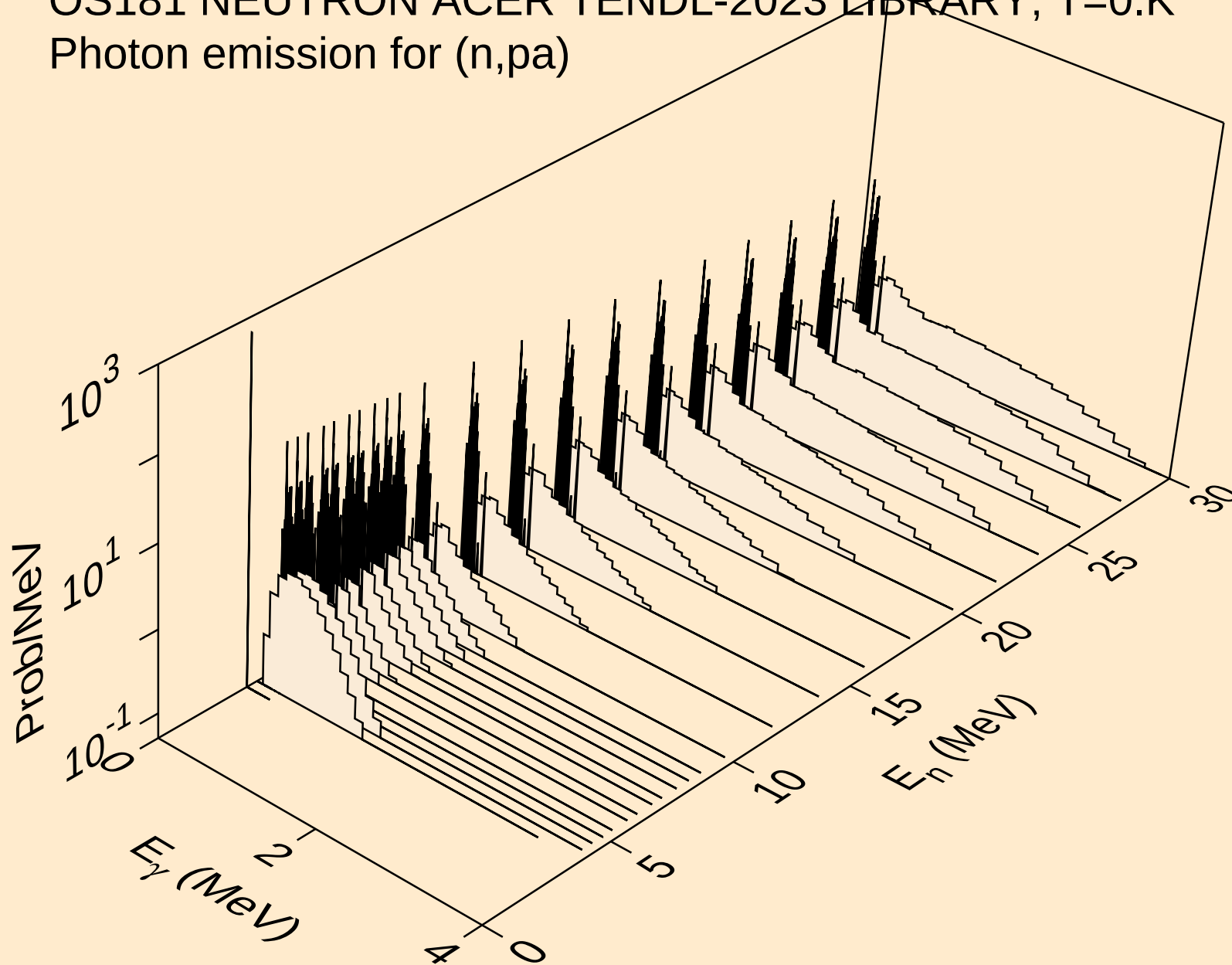
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



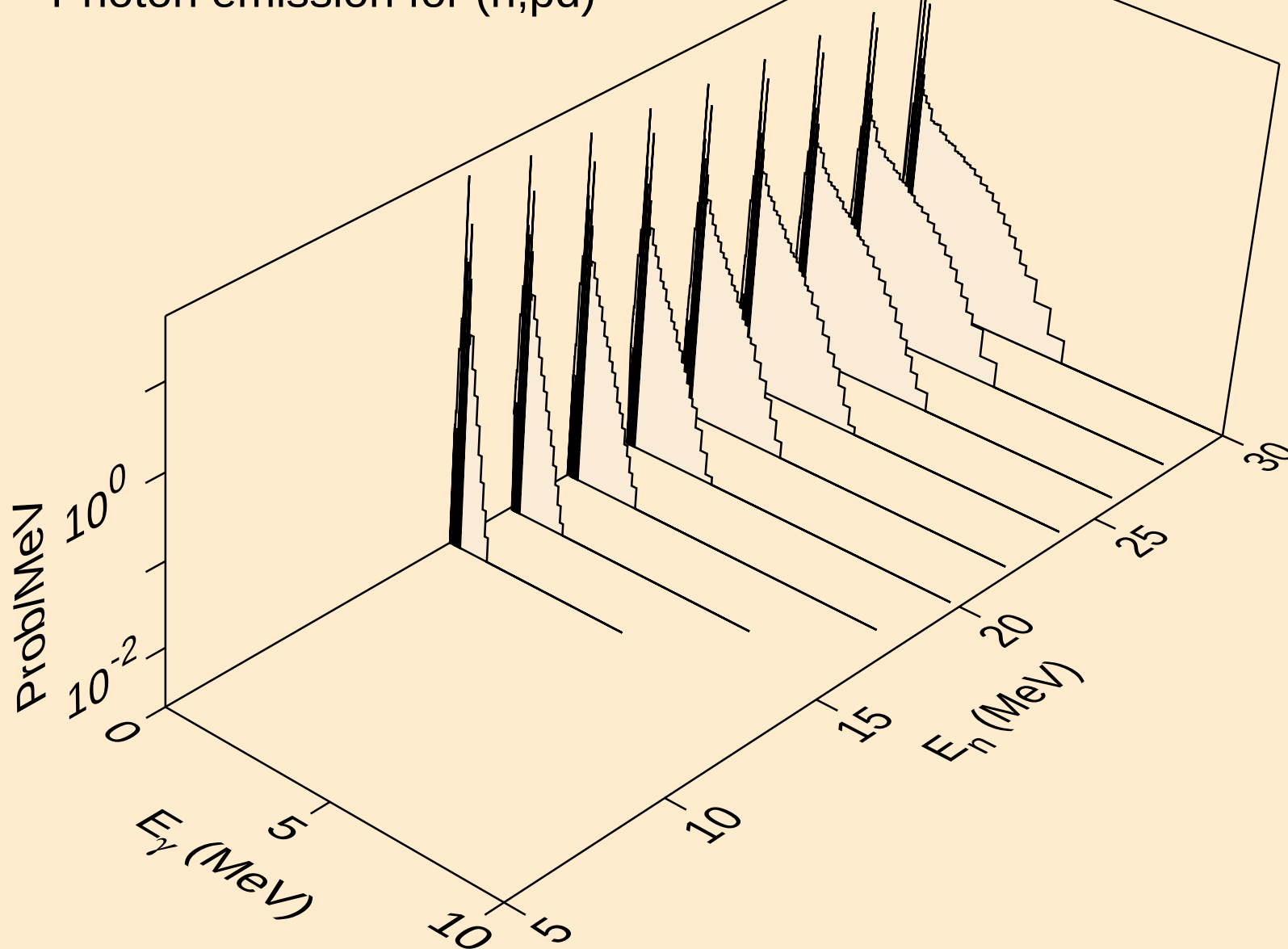
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Photon emission for (n,2p)



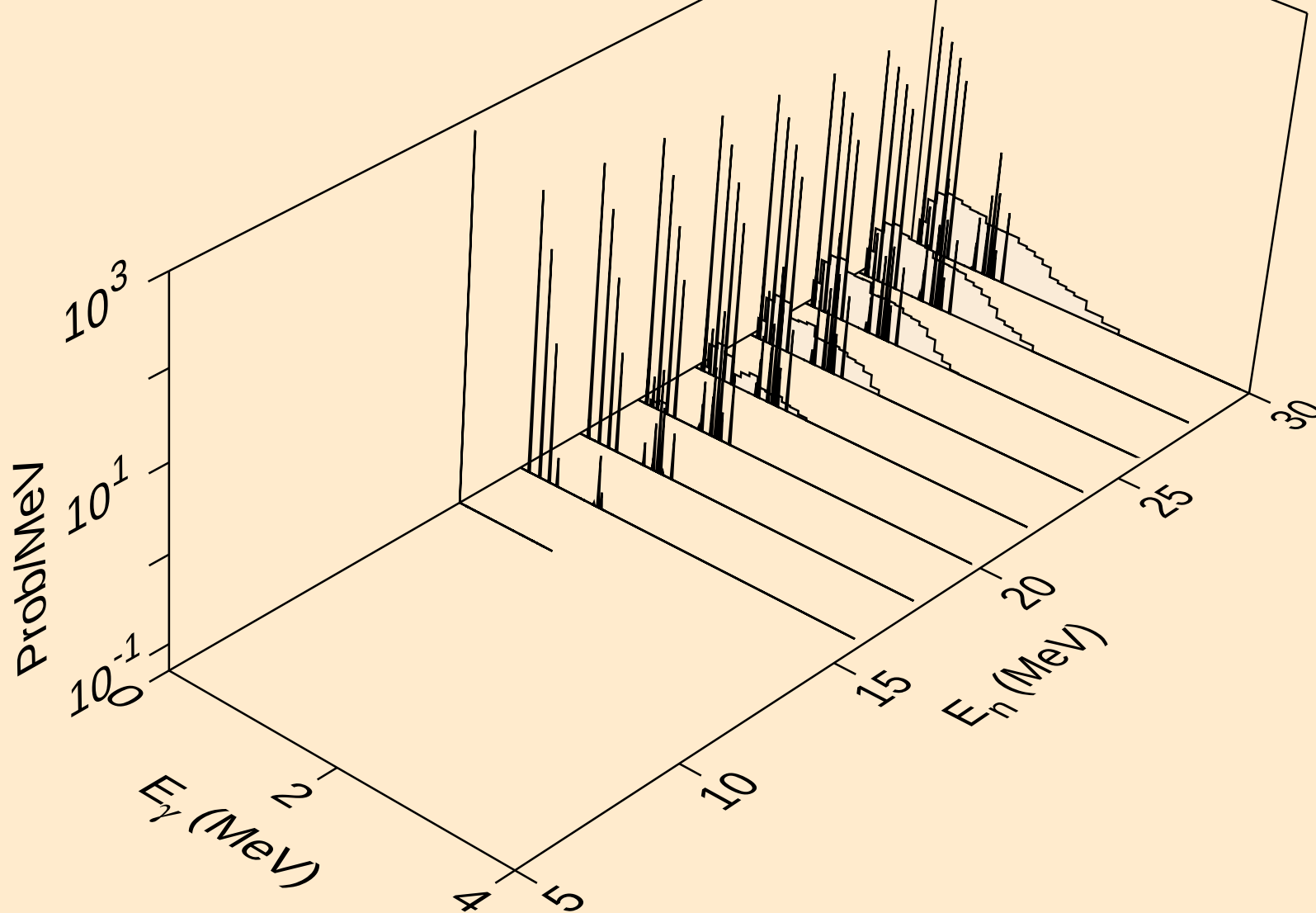
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

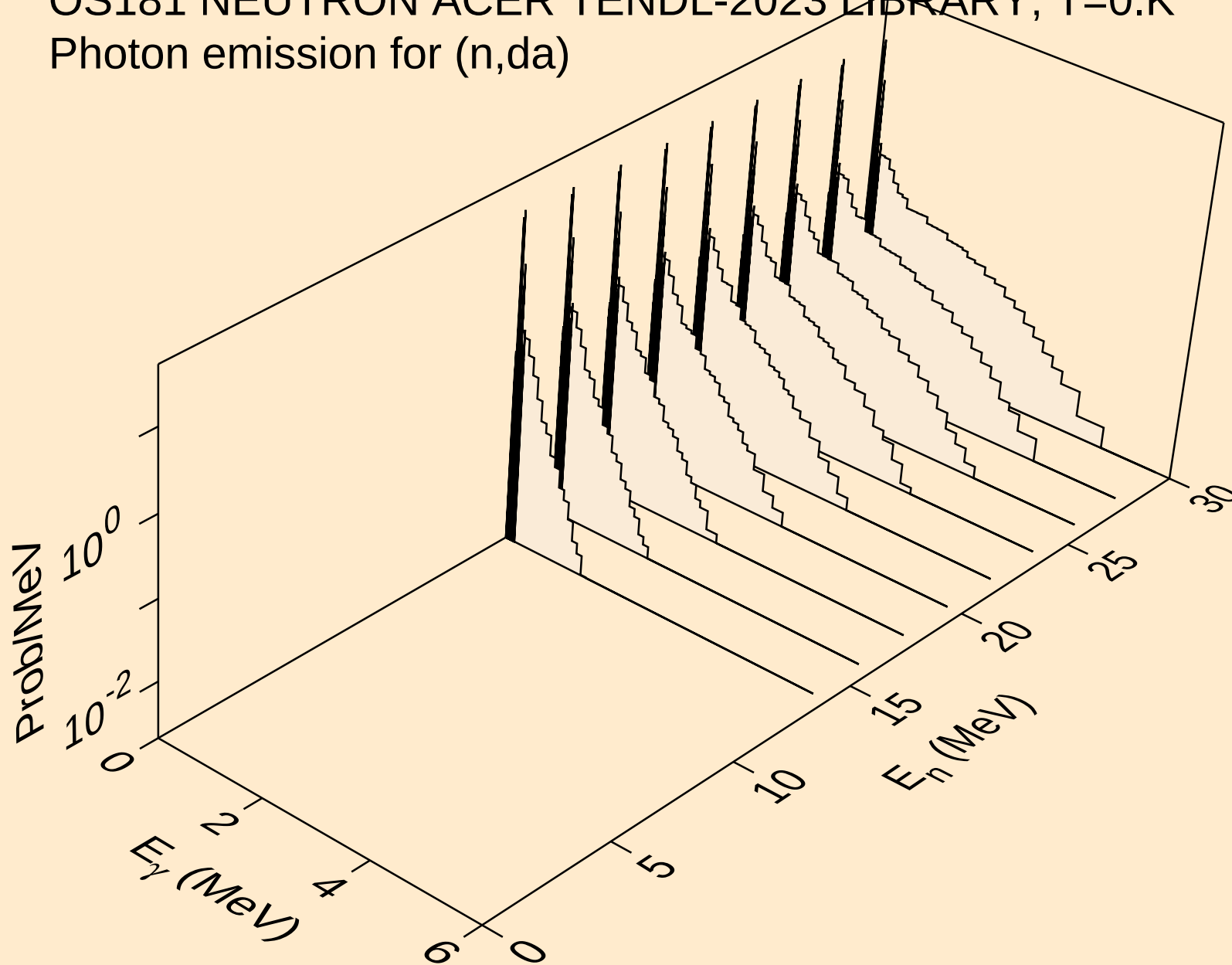


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

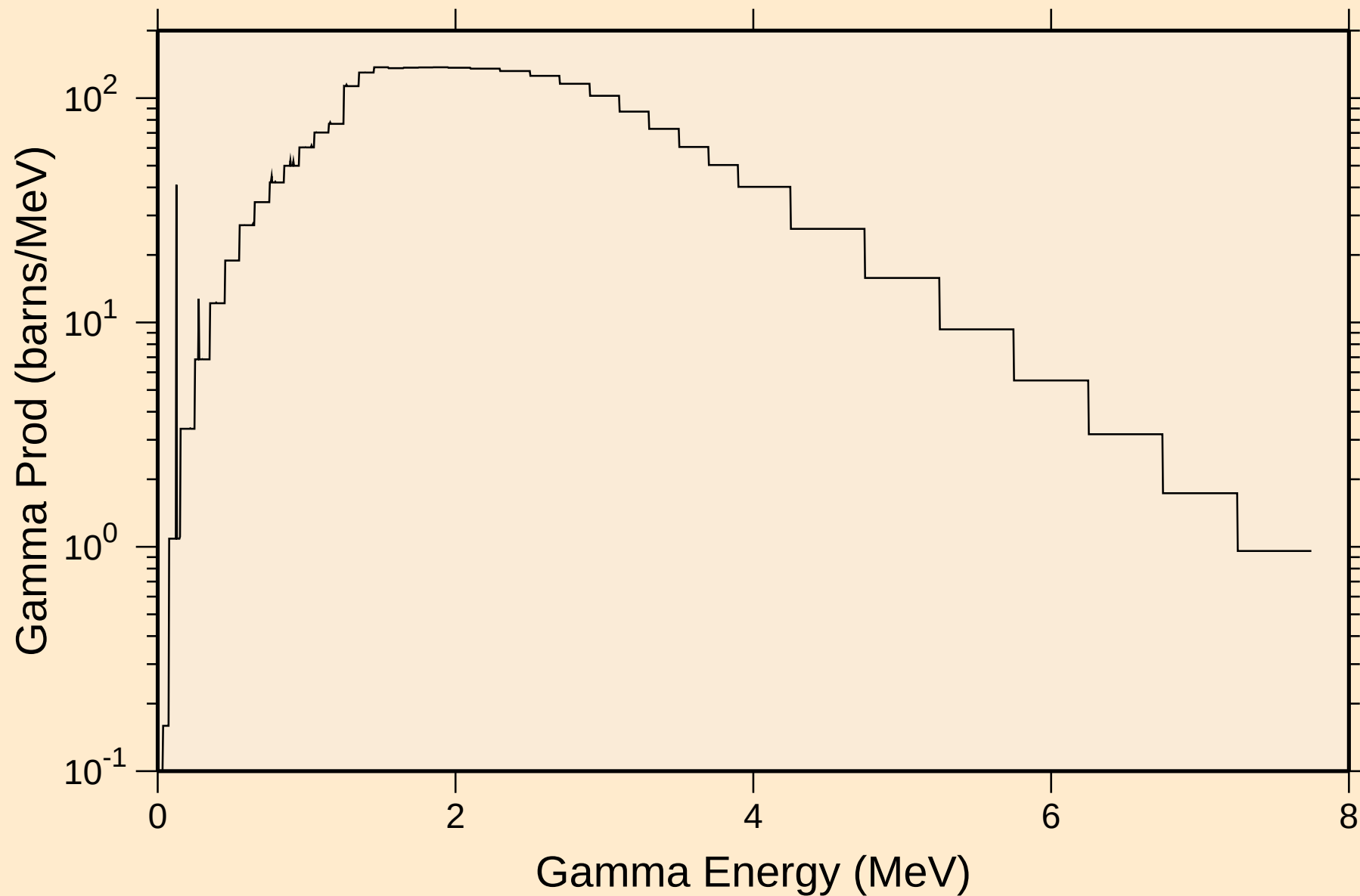




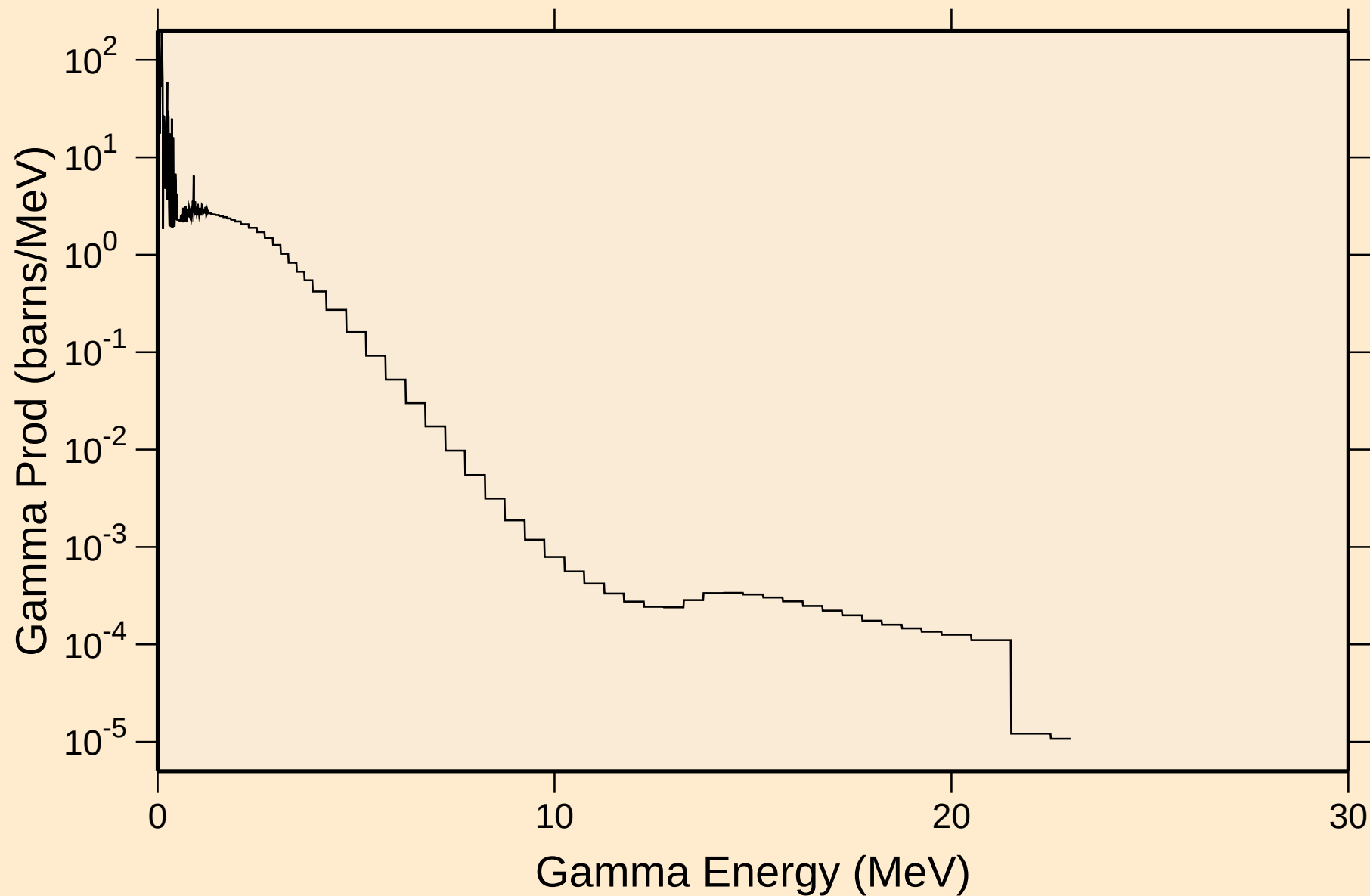
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

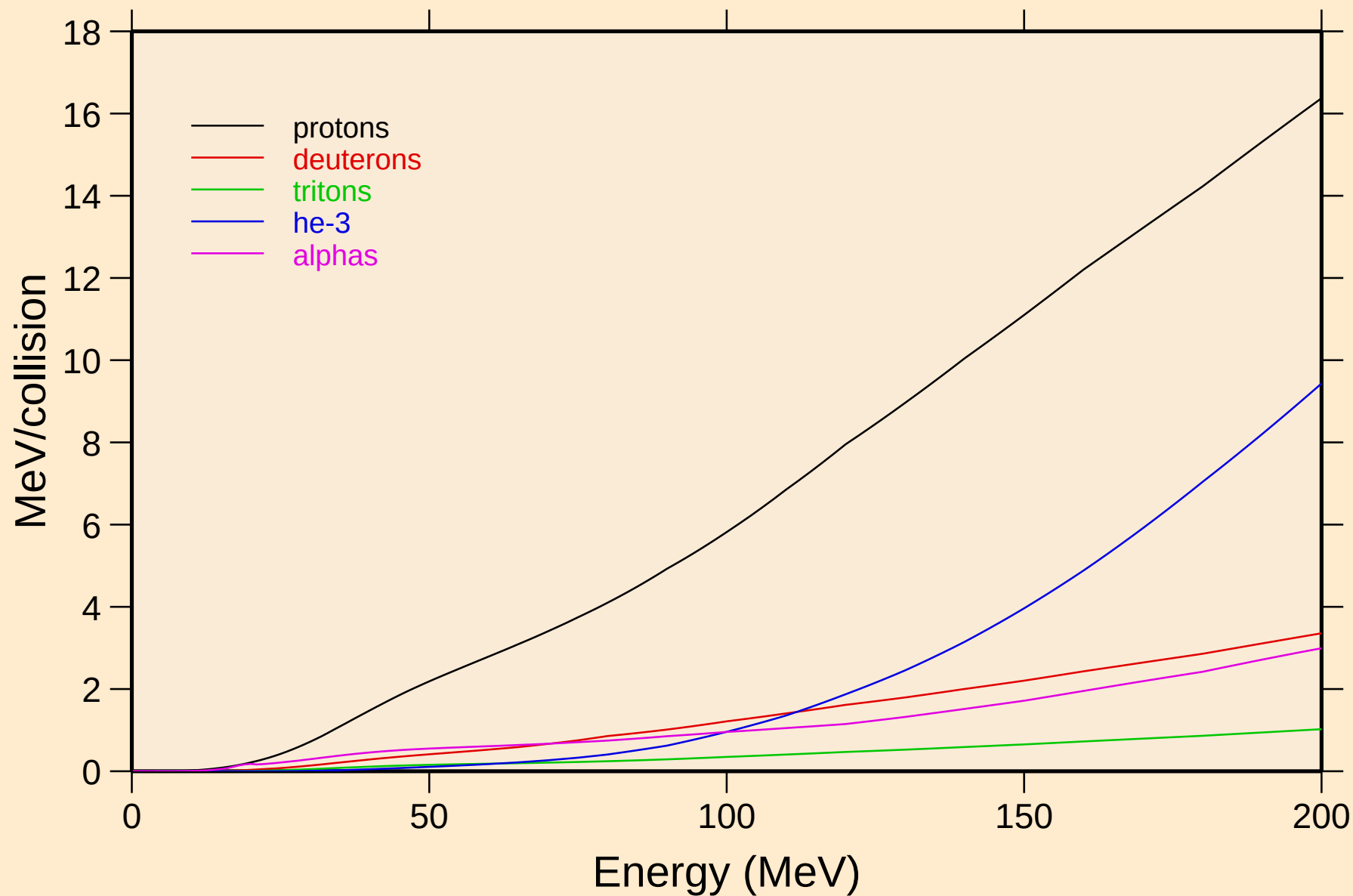


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



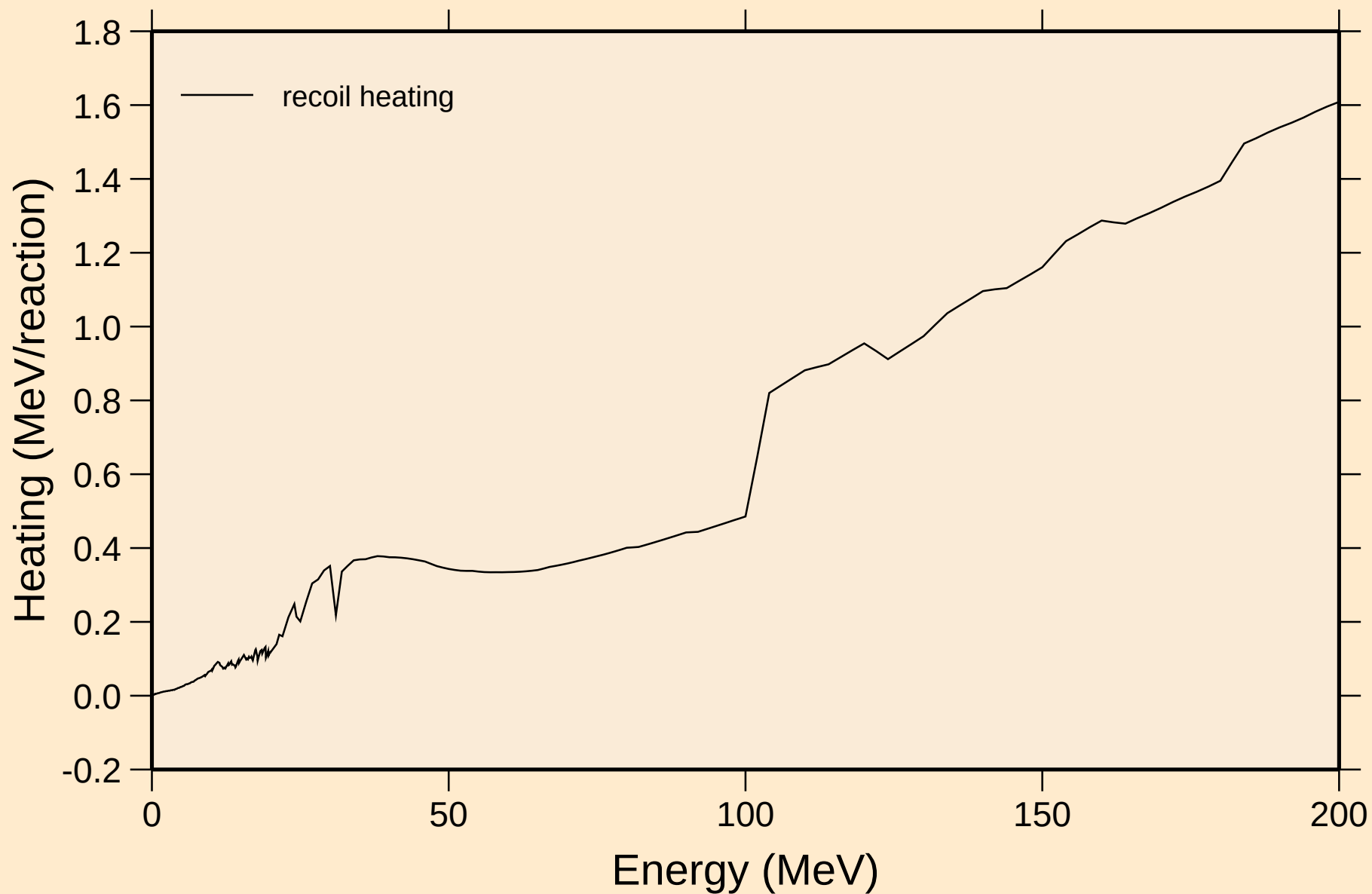
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## Particle heating contributions



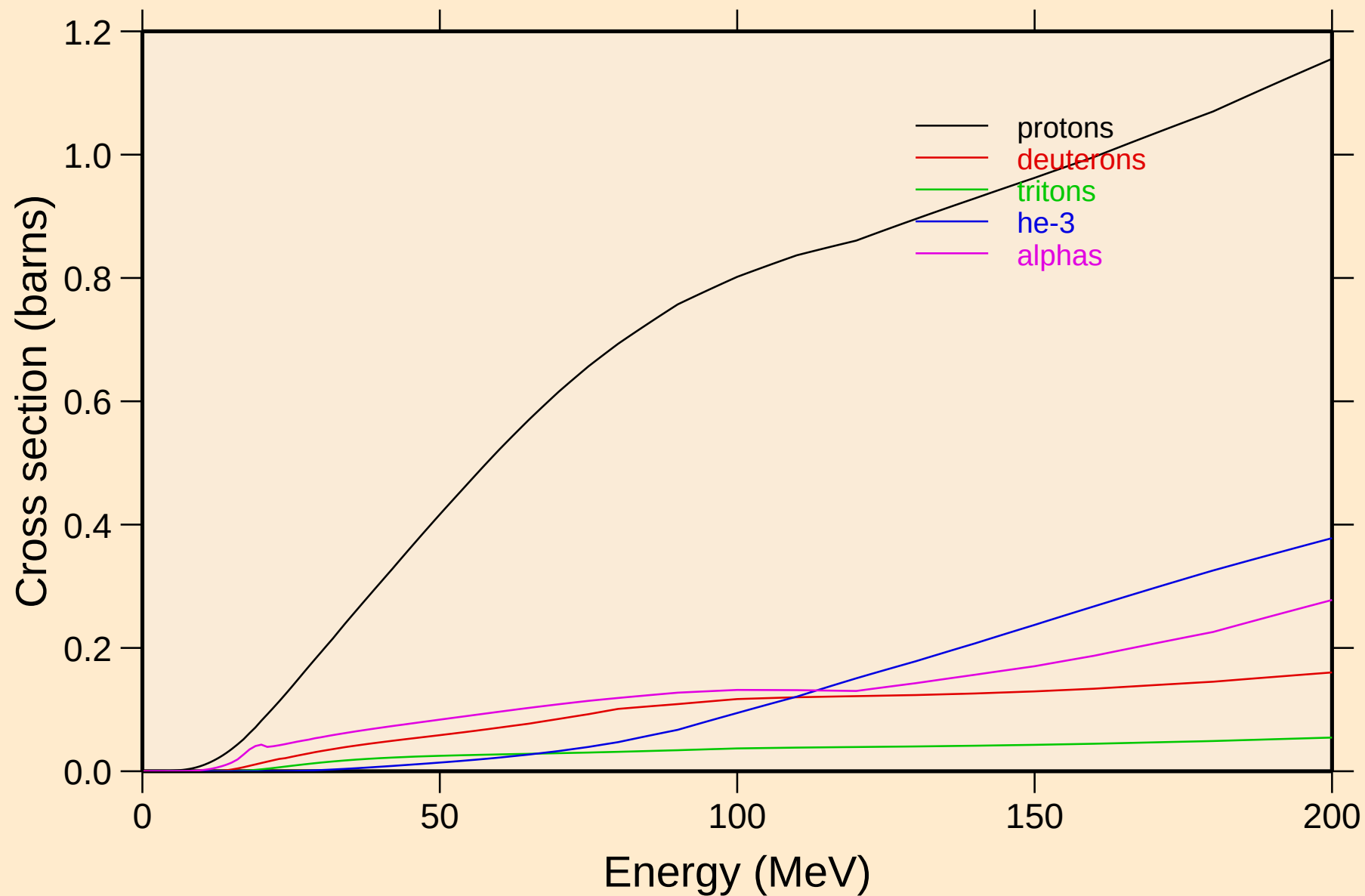
# OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

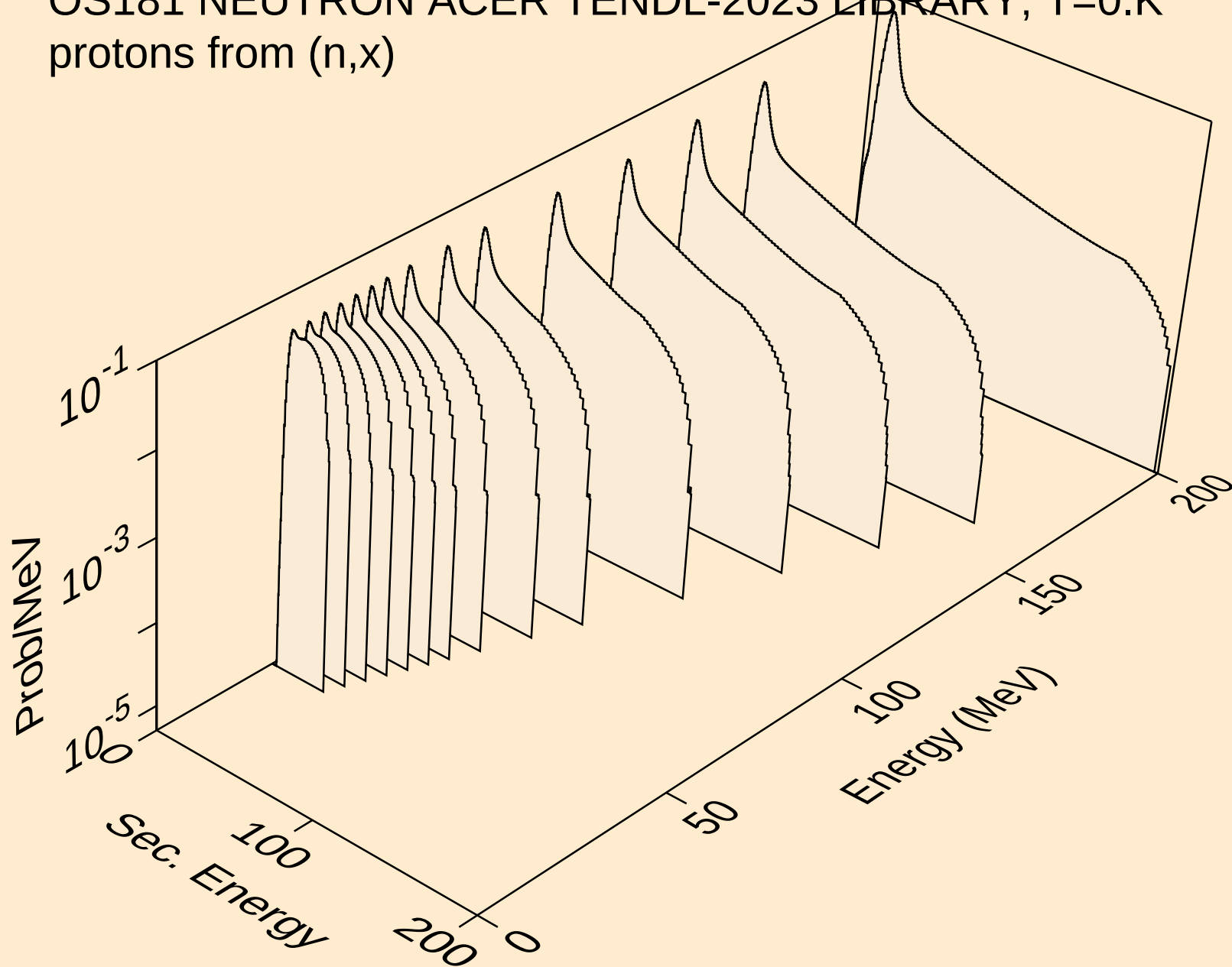


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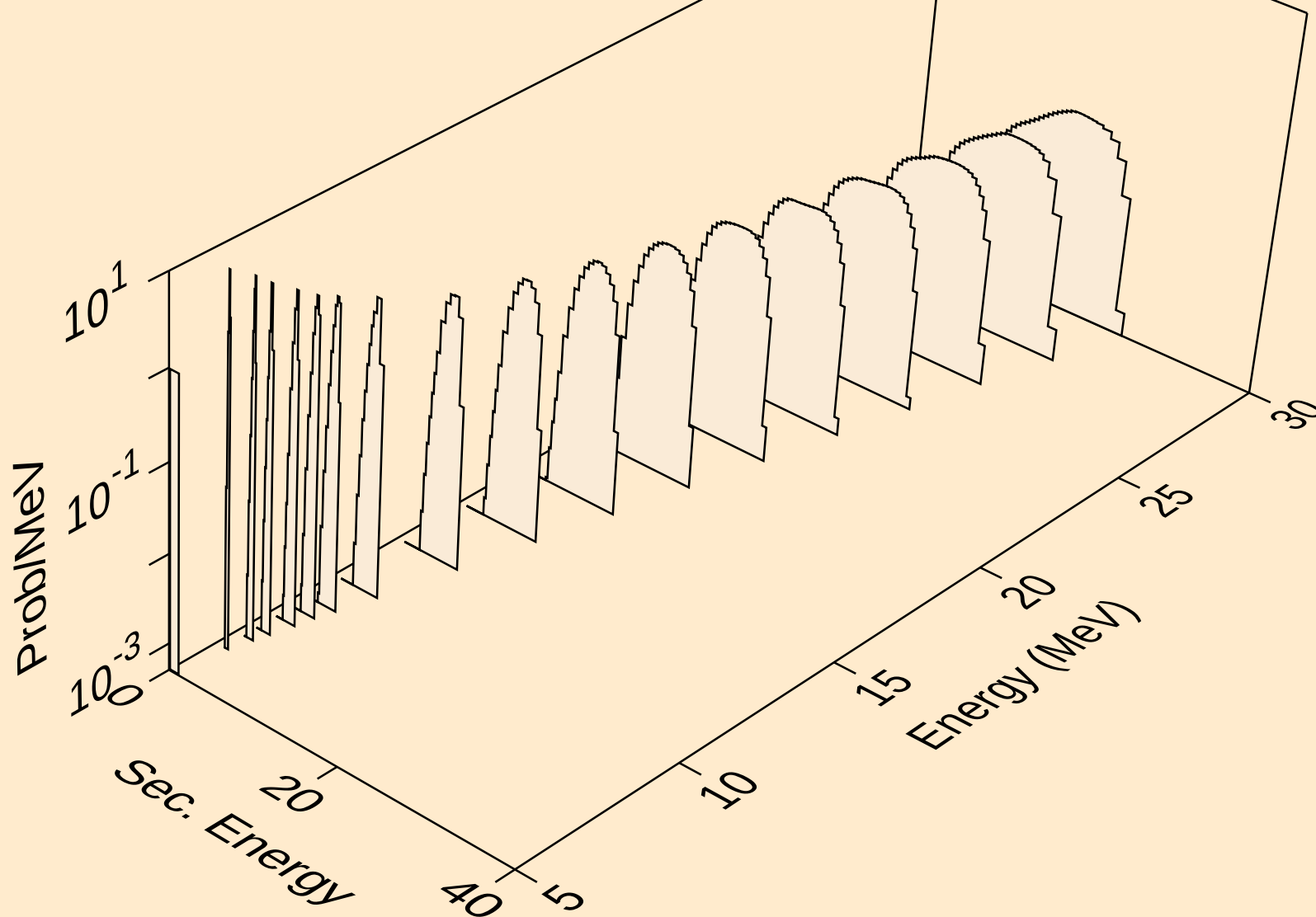
## Particle production cross sections



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

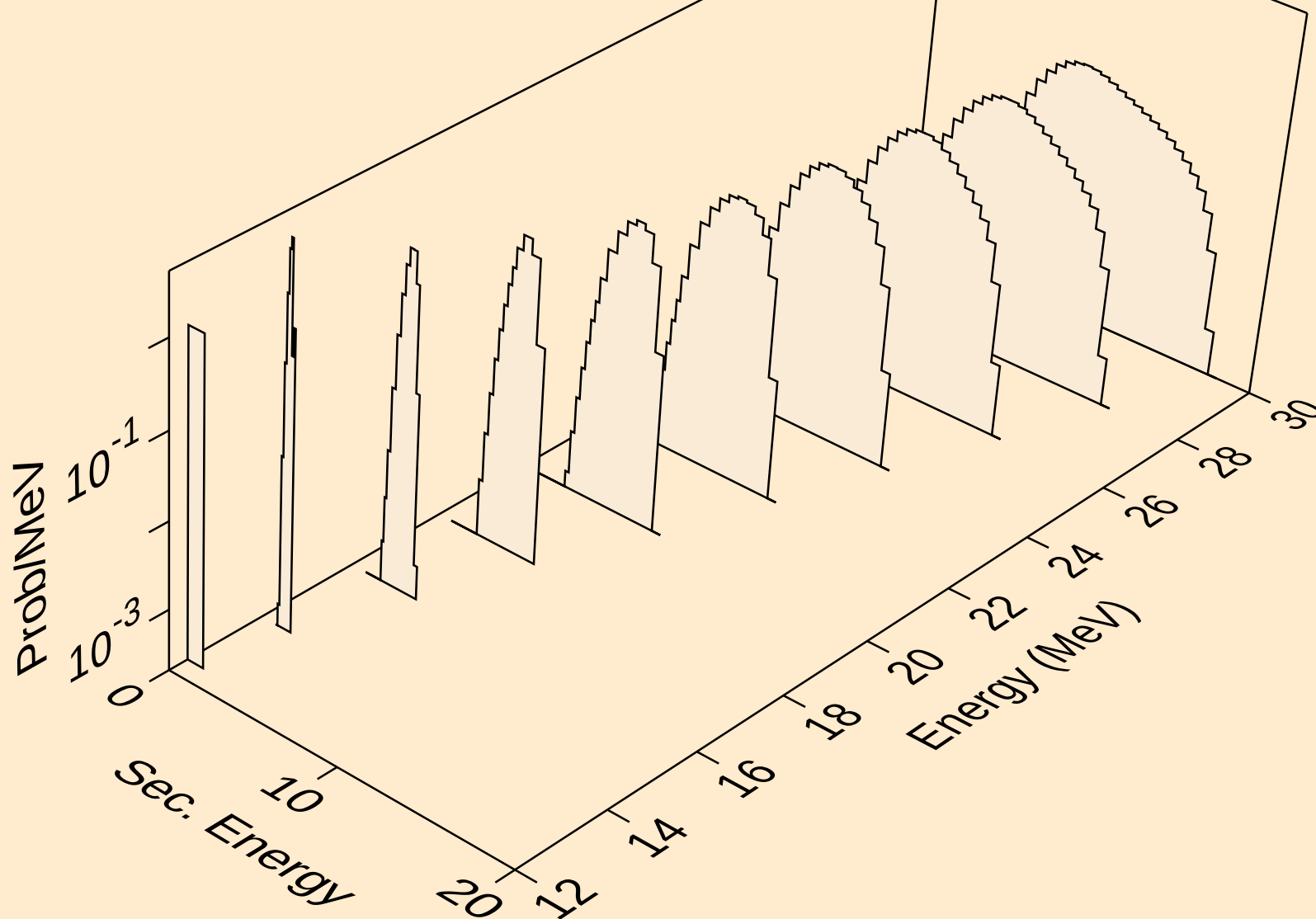


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

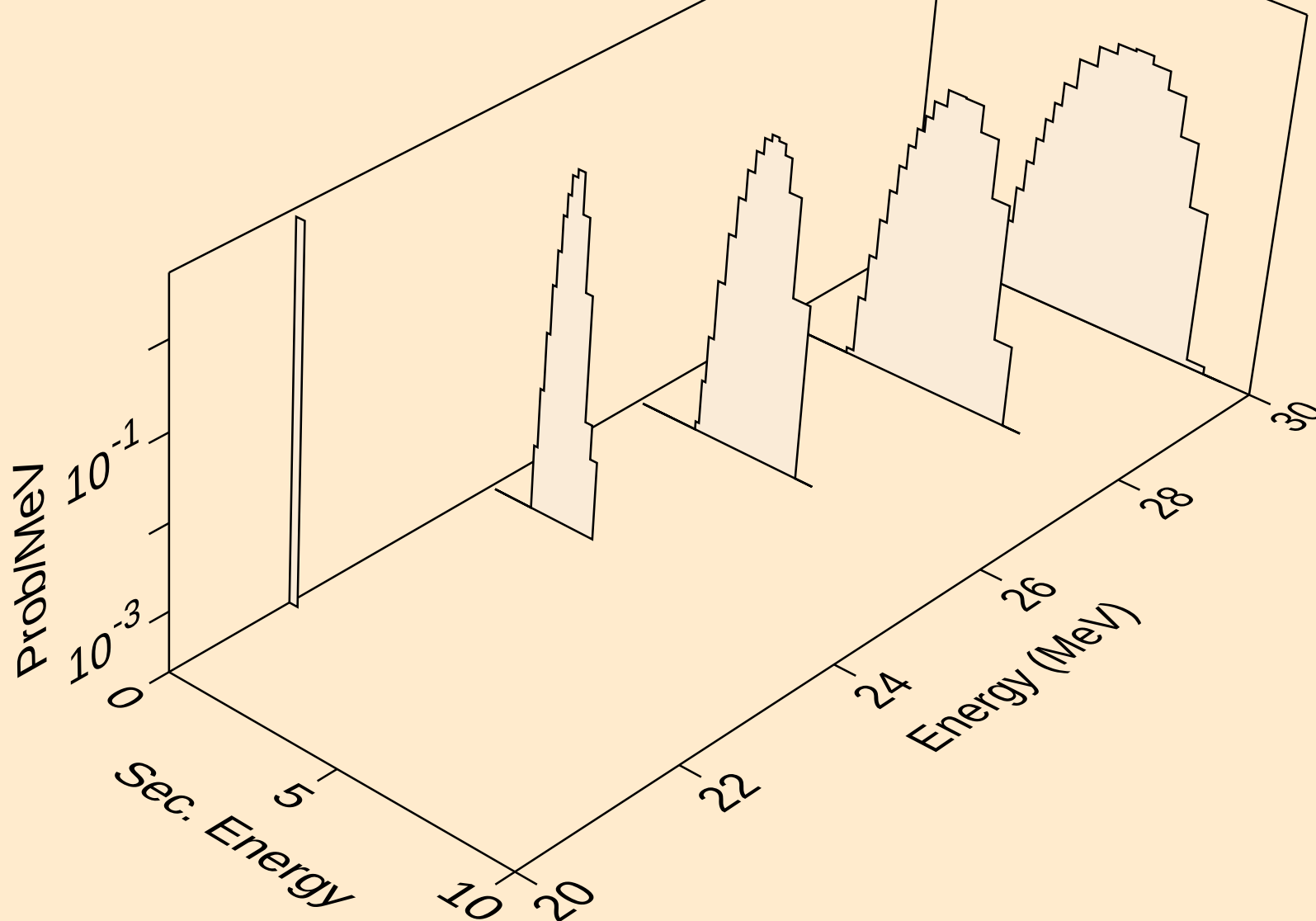




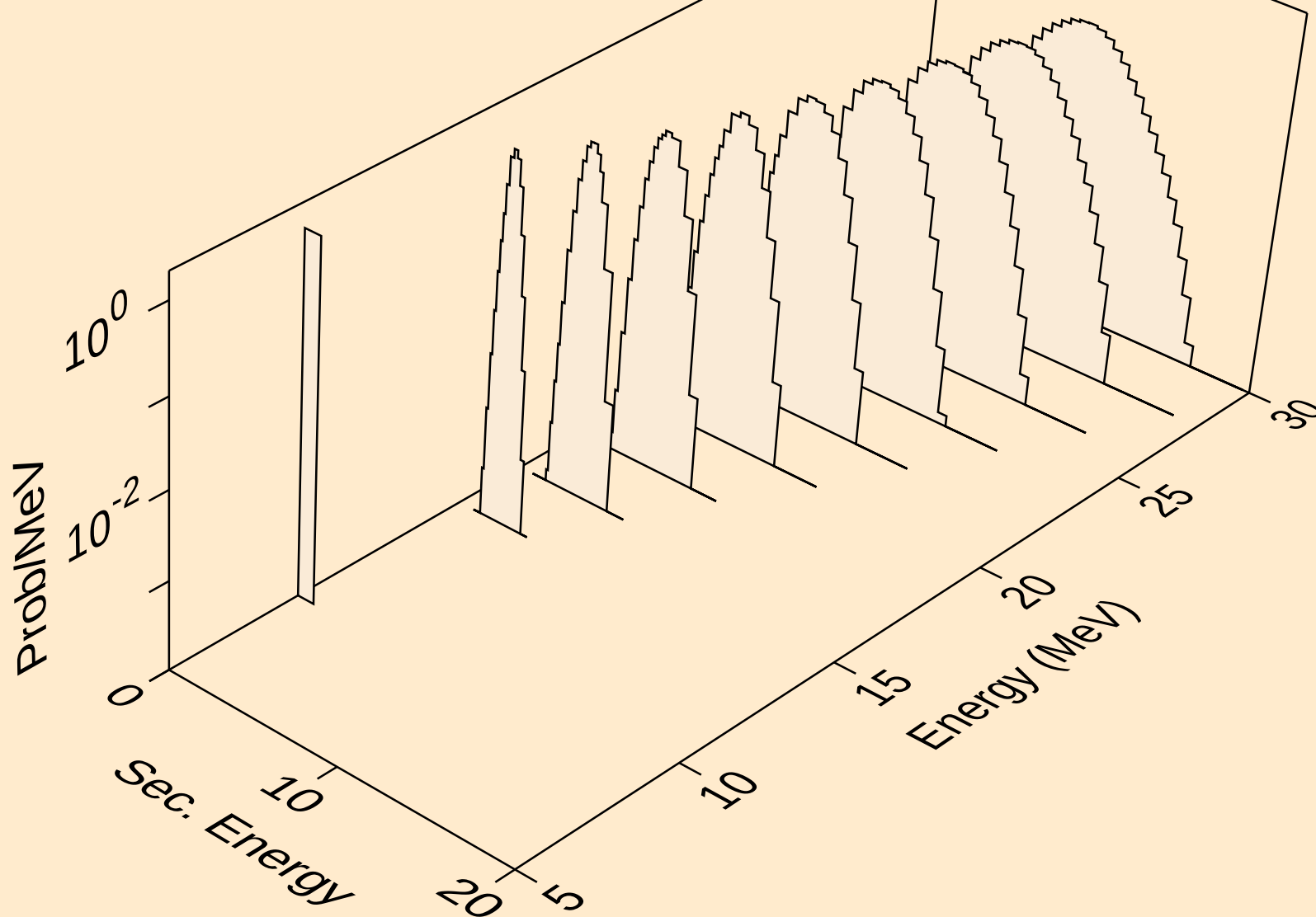
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



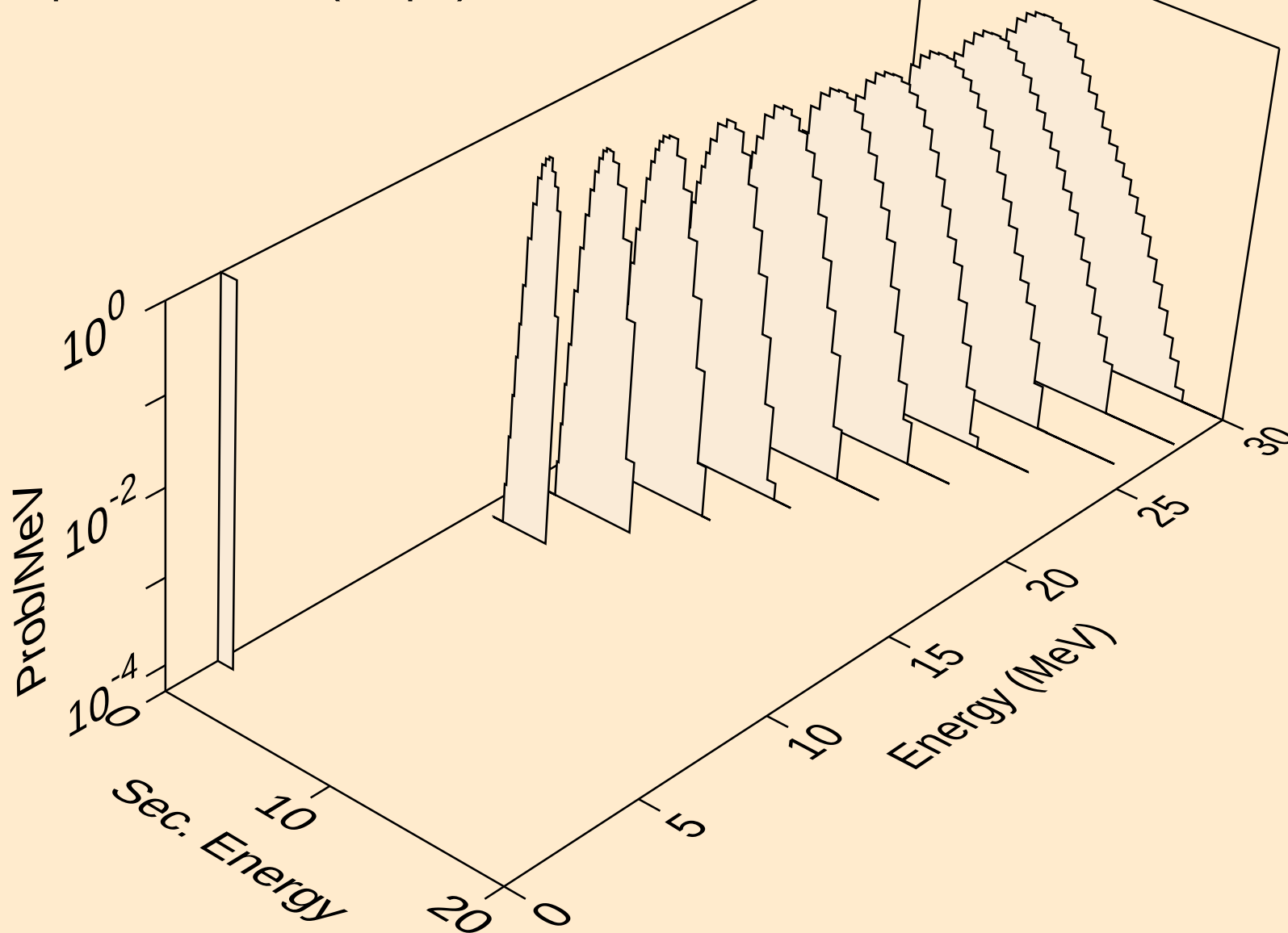
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



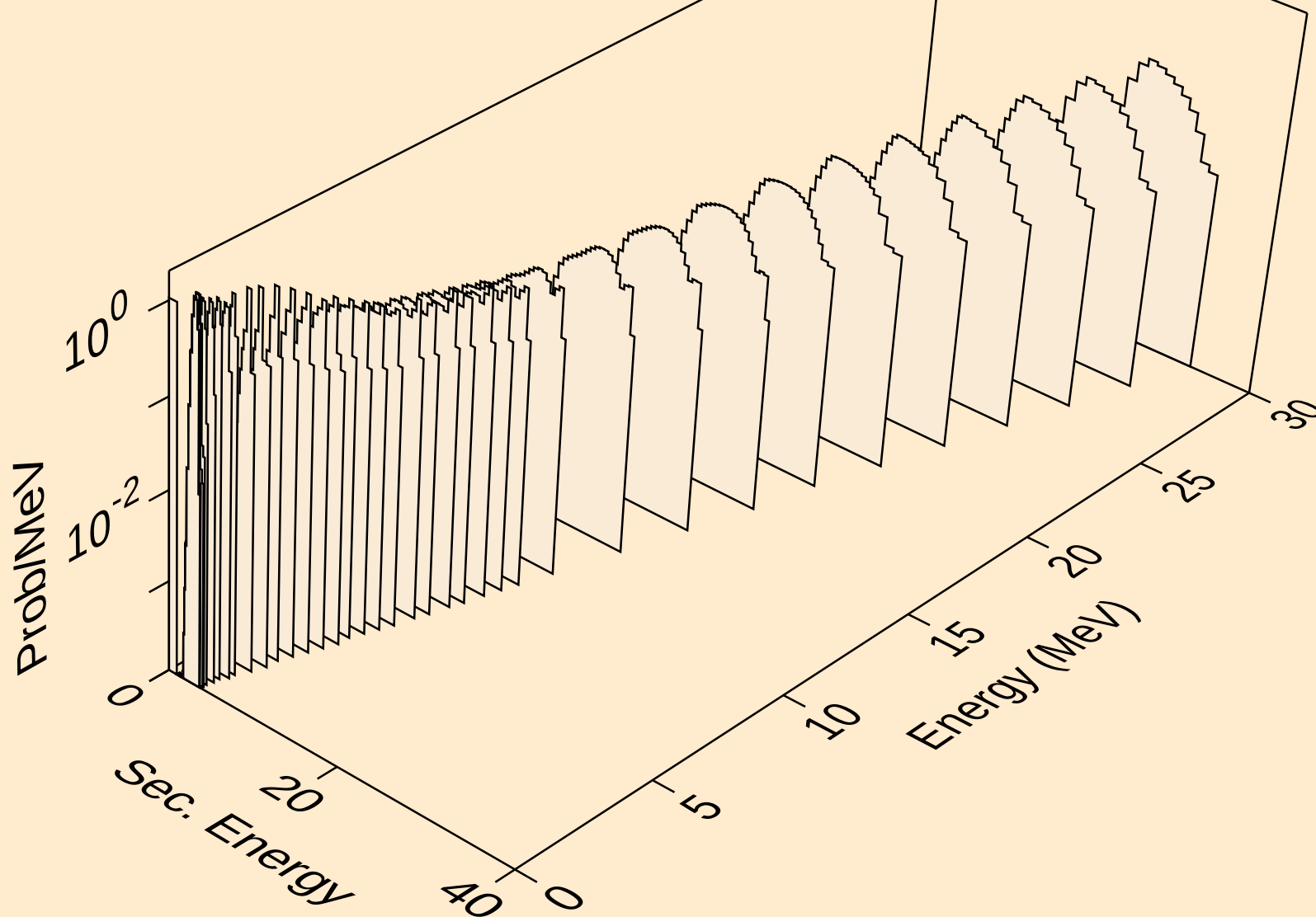
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protons from (n,n2p)



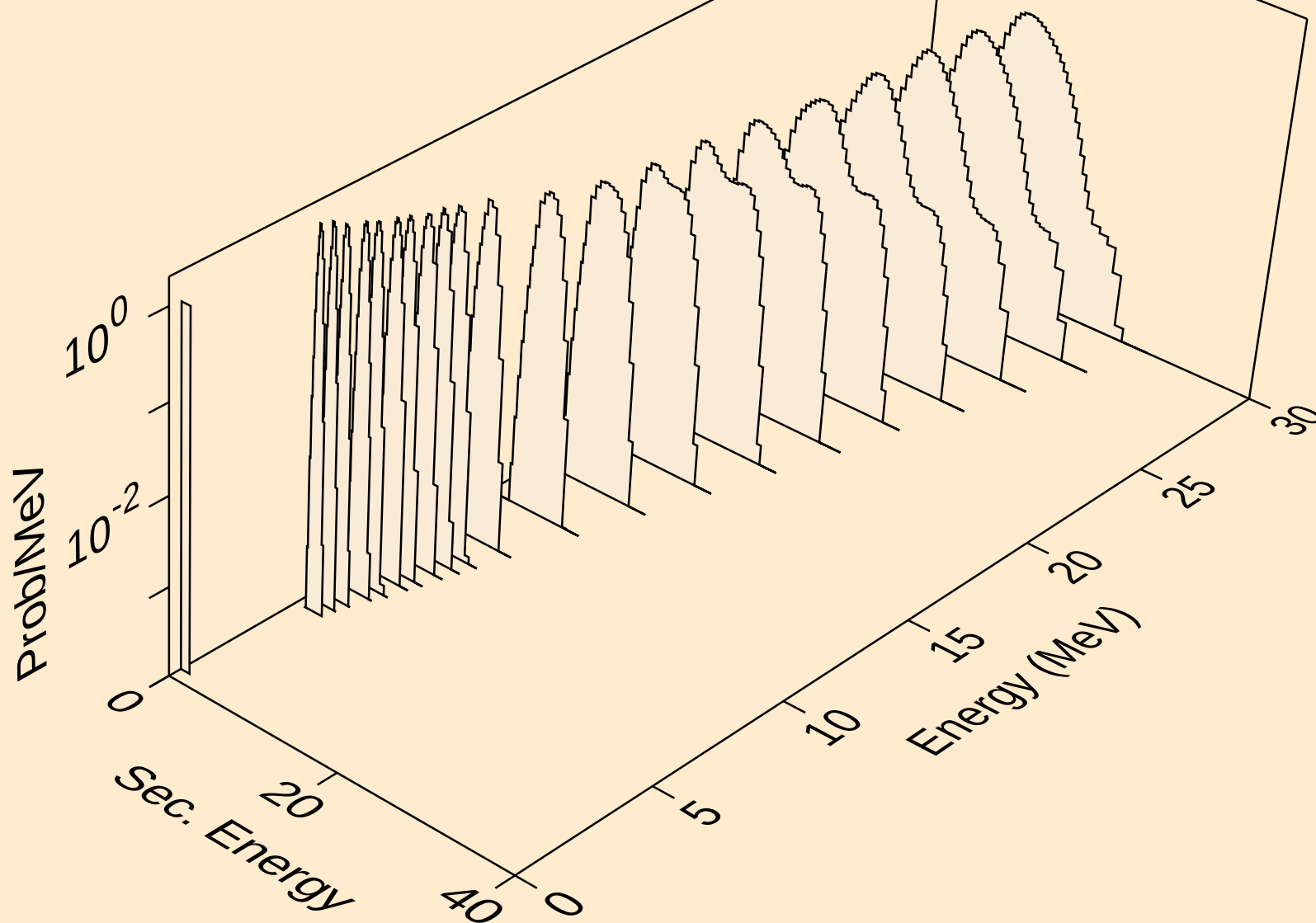
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protons from (n,npa)



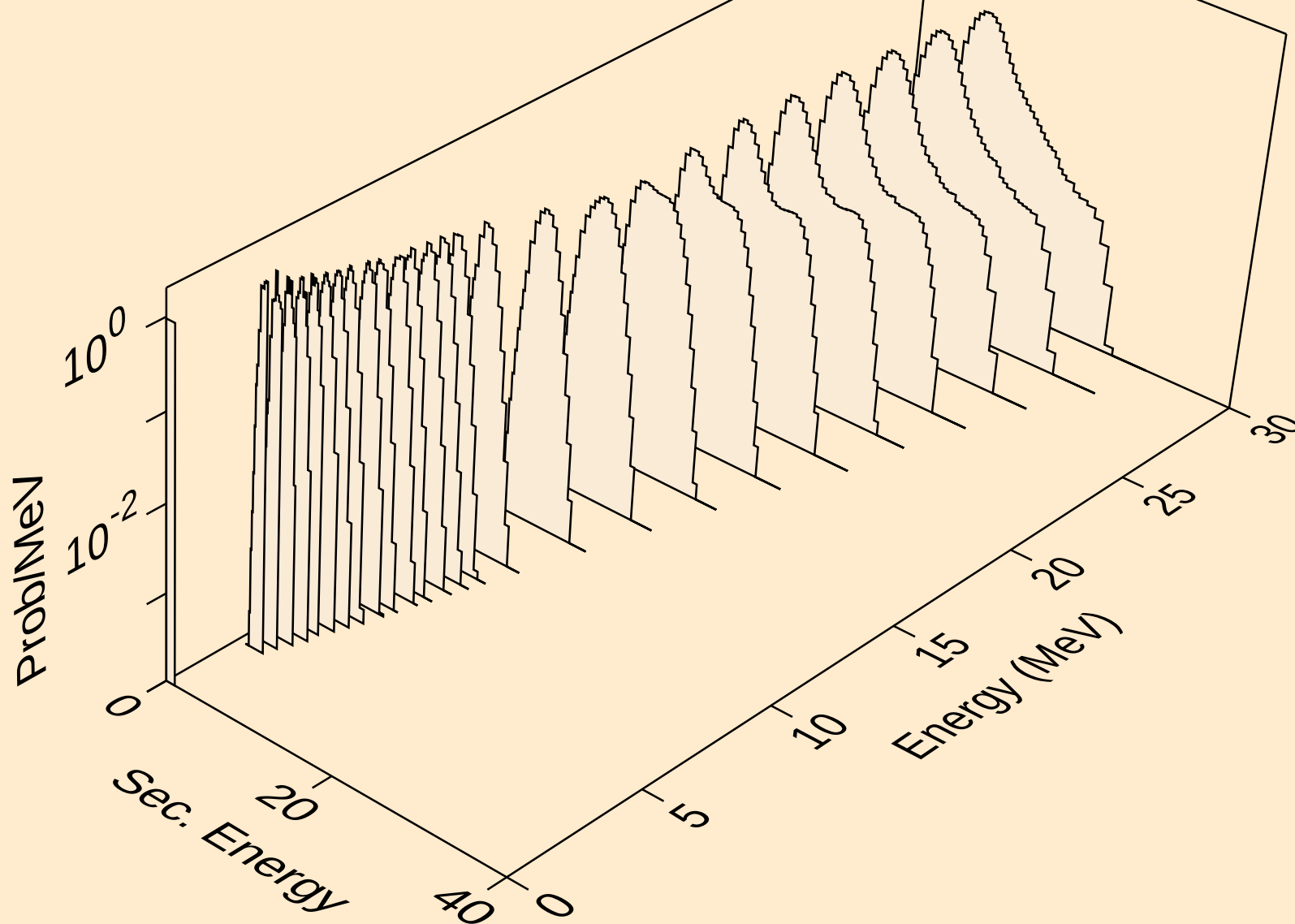
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



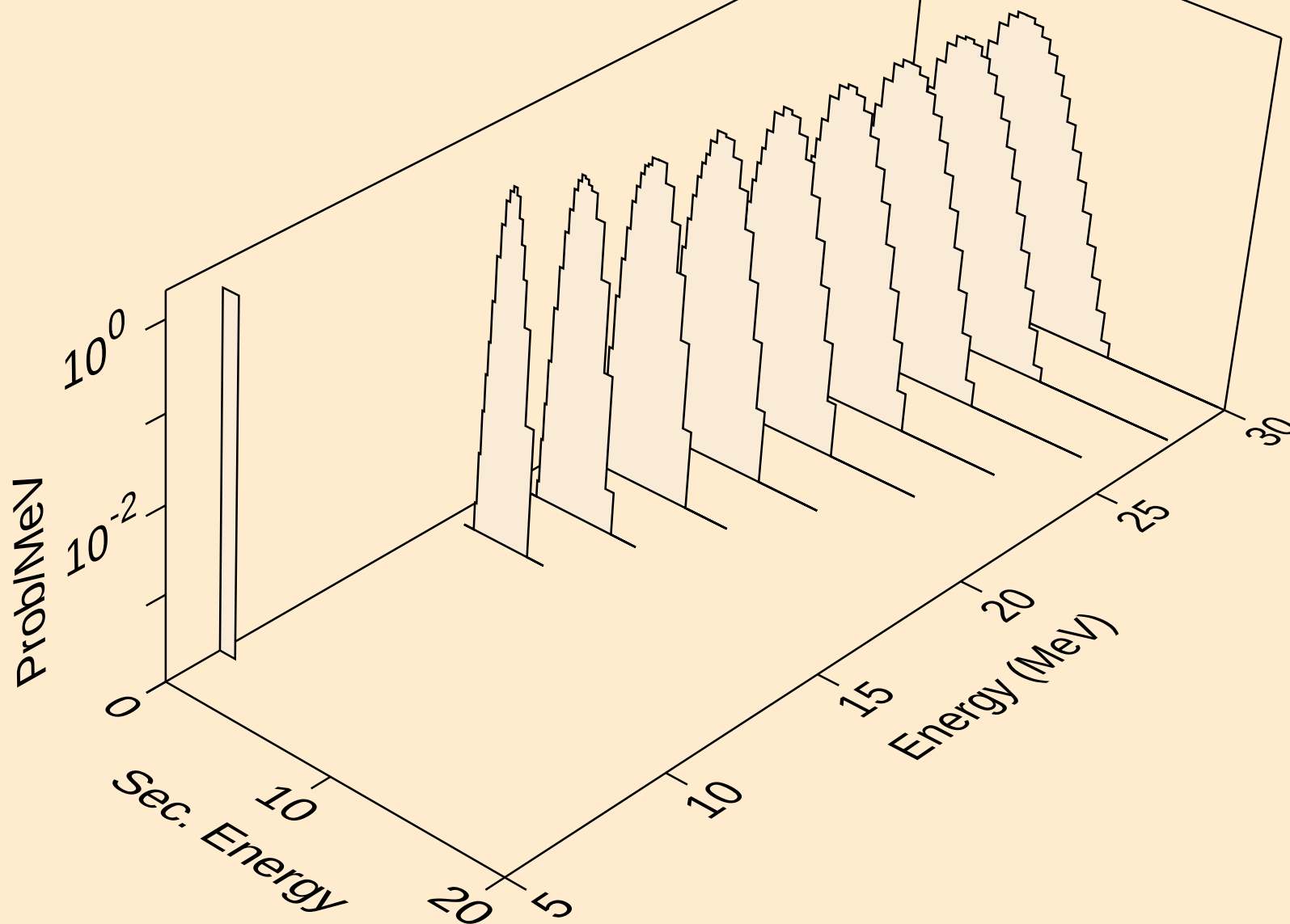
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)

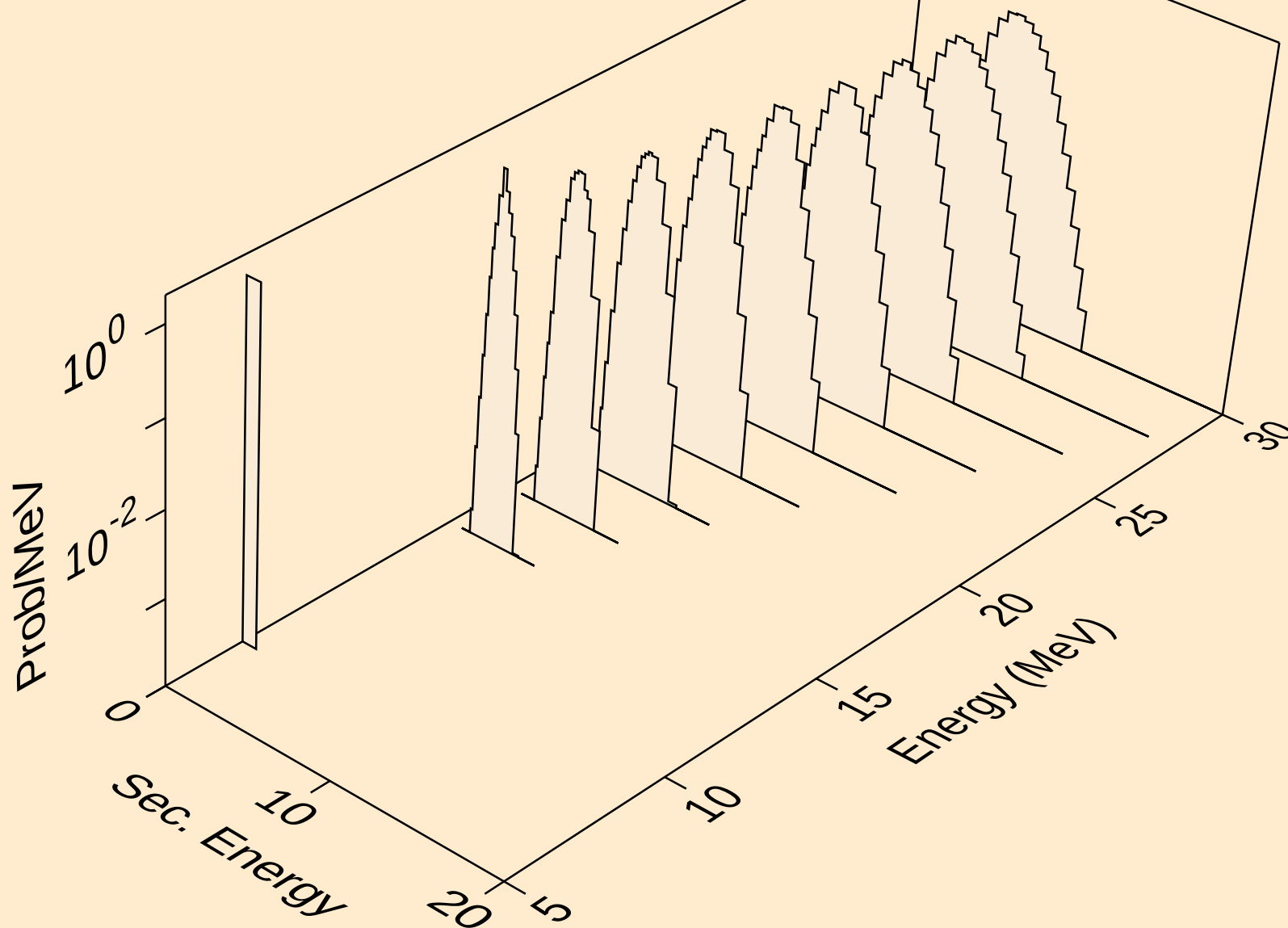


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

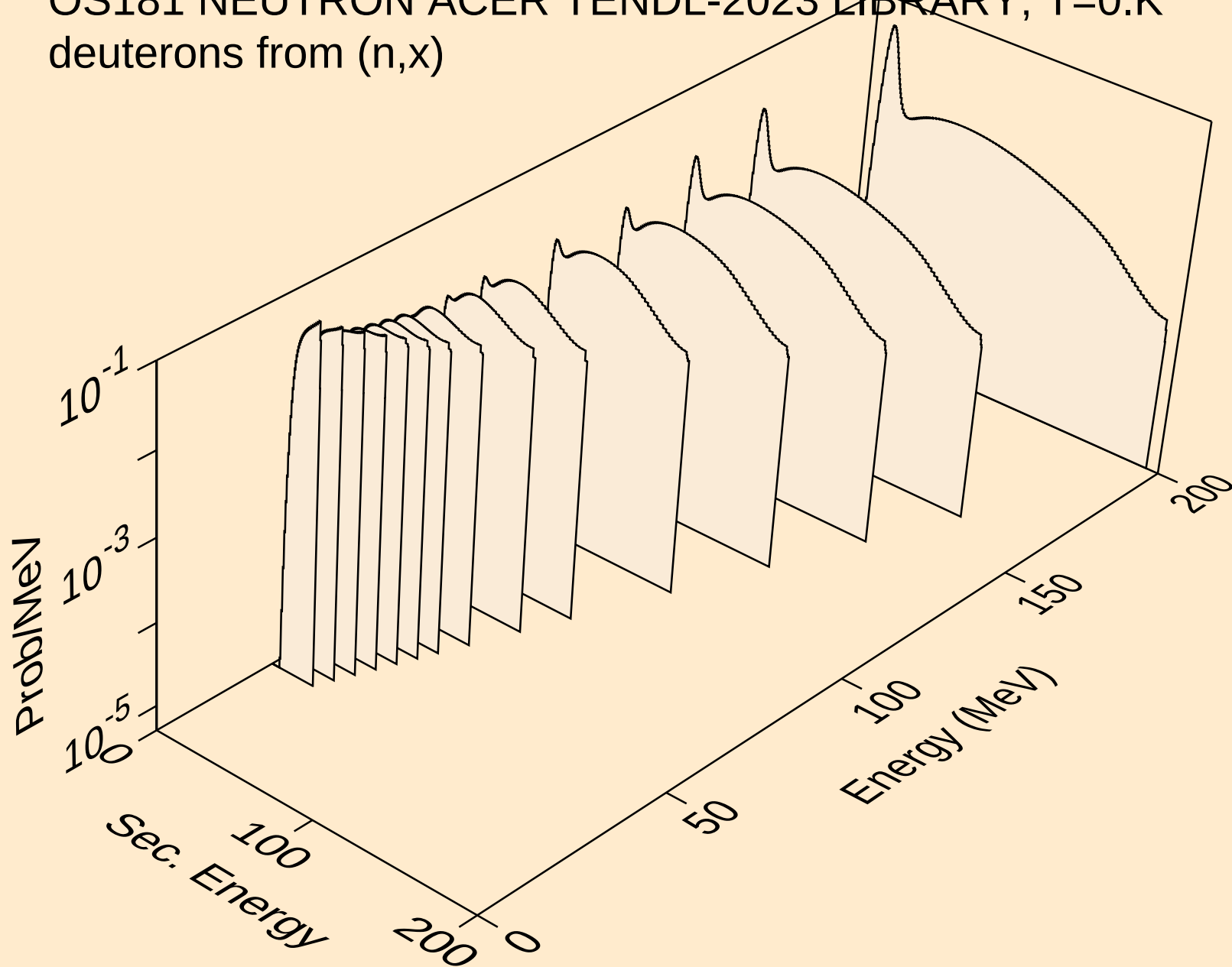




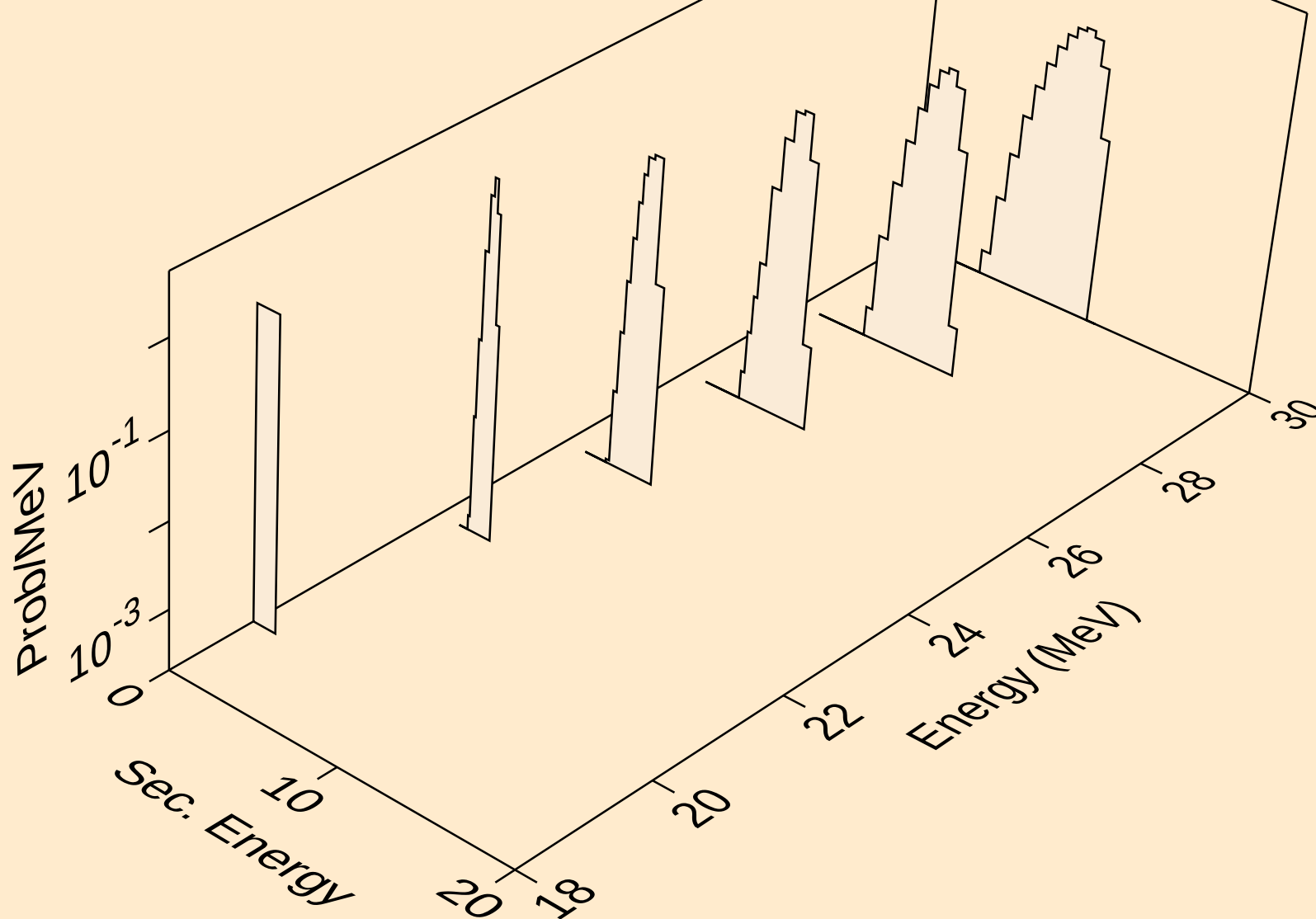
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protons from (n,pt)



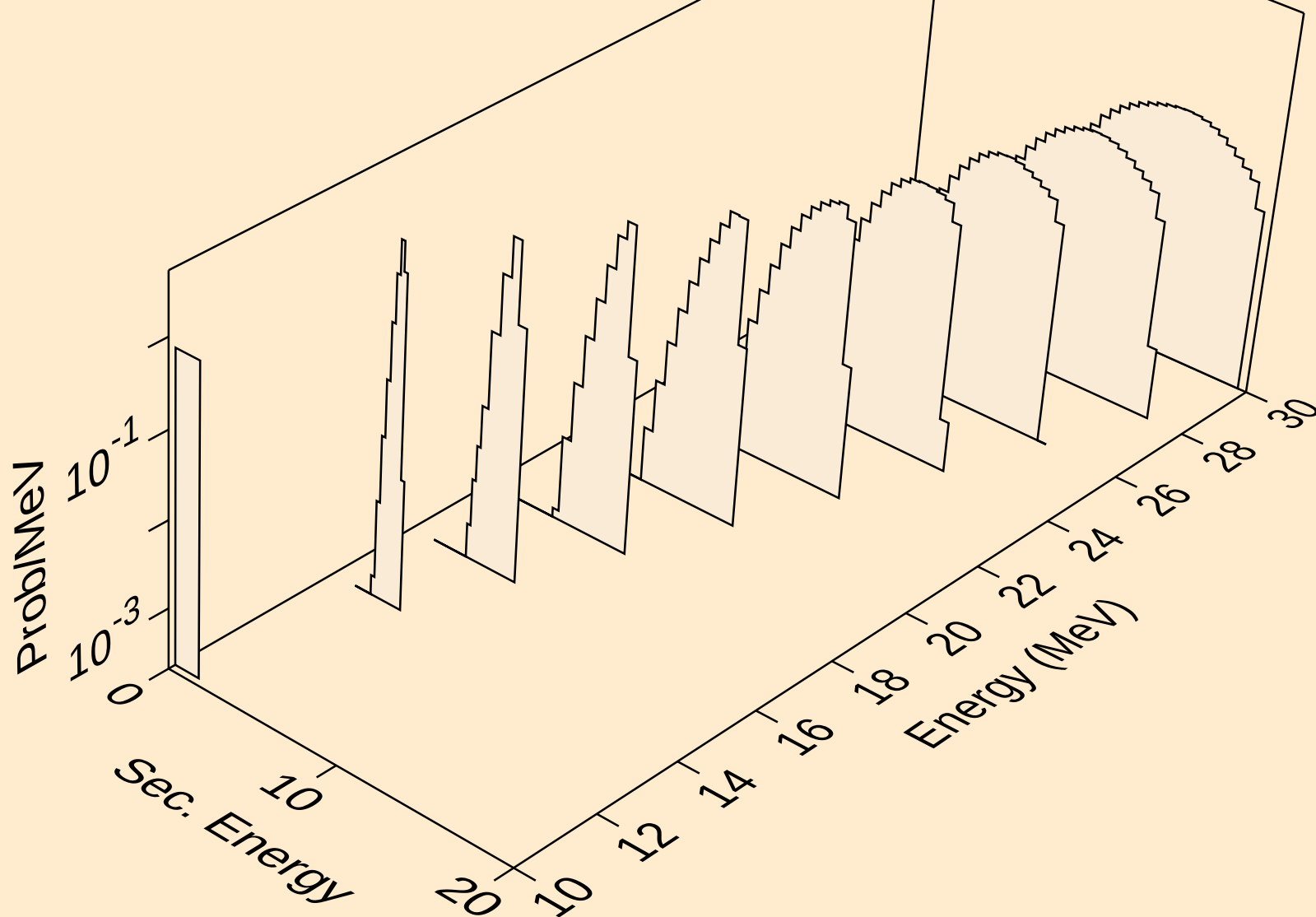
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



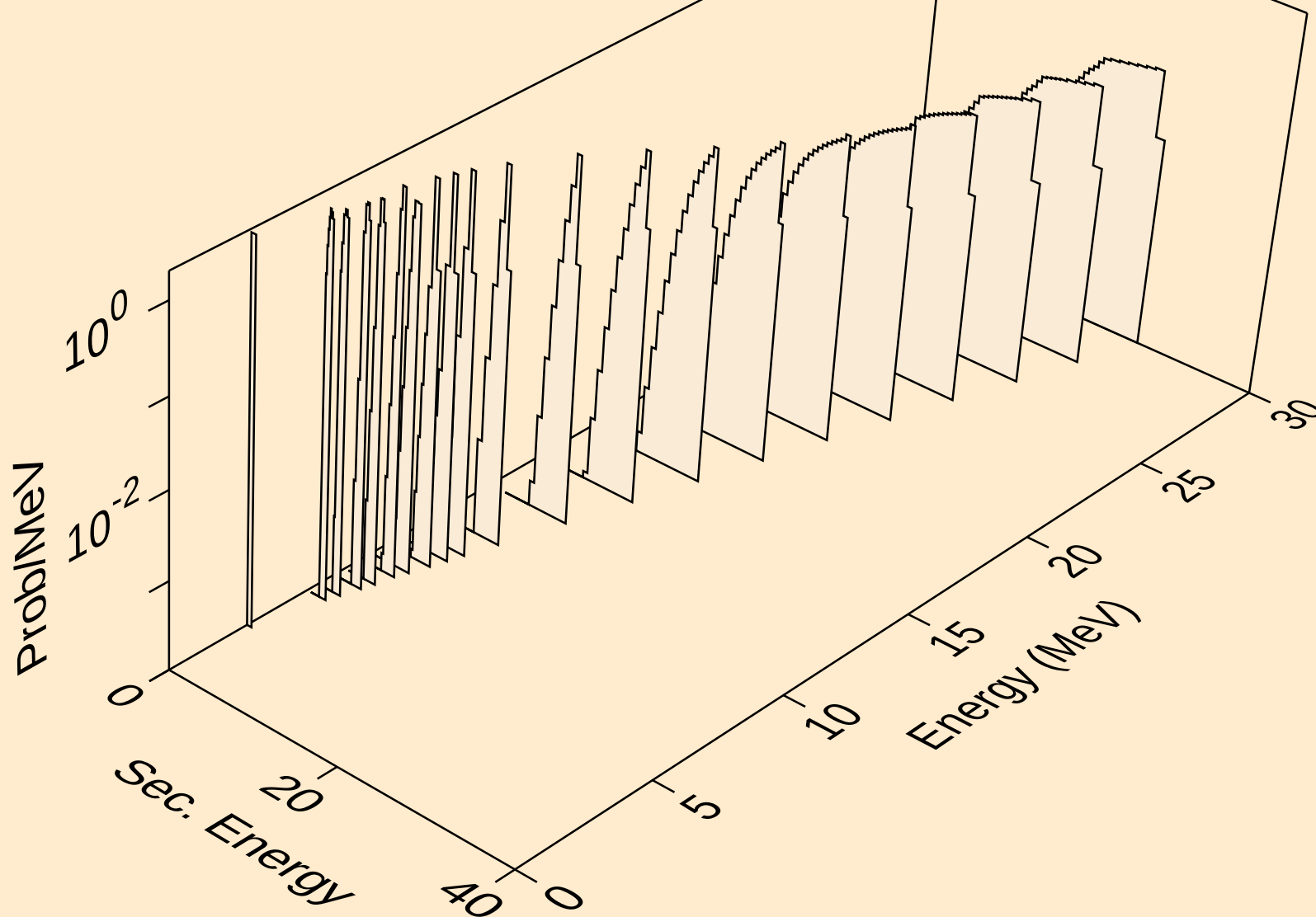
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deuterons from (n,2nd)



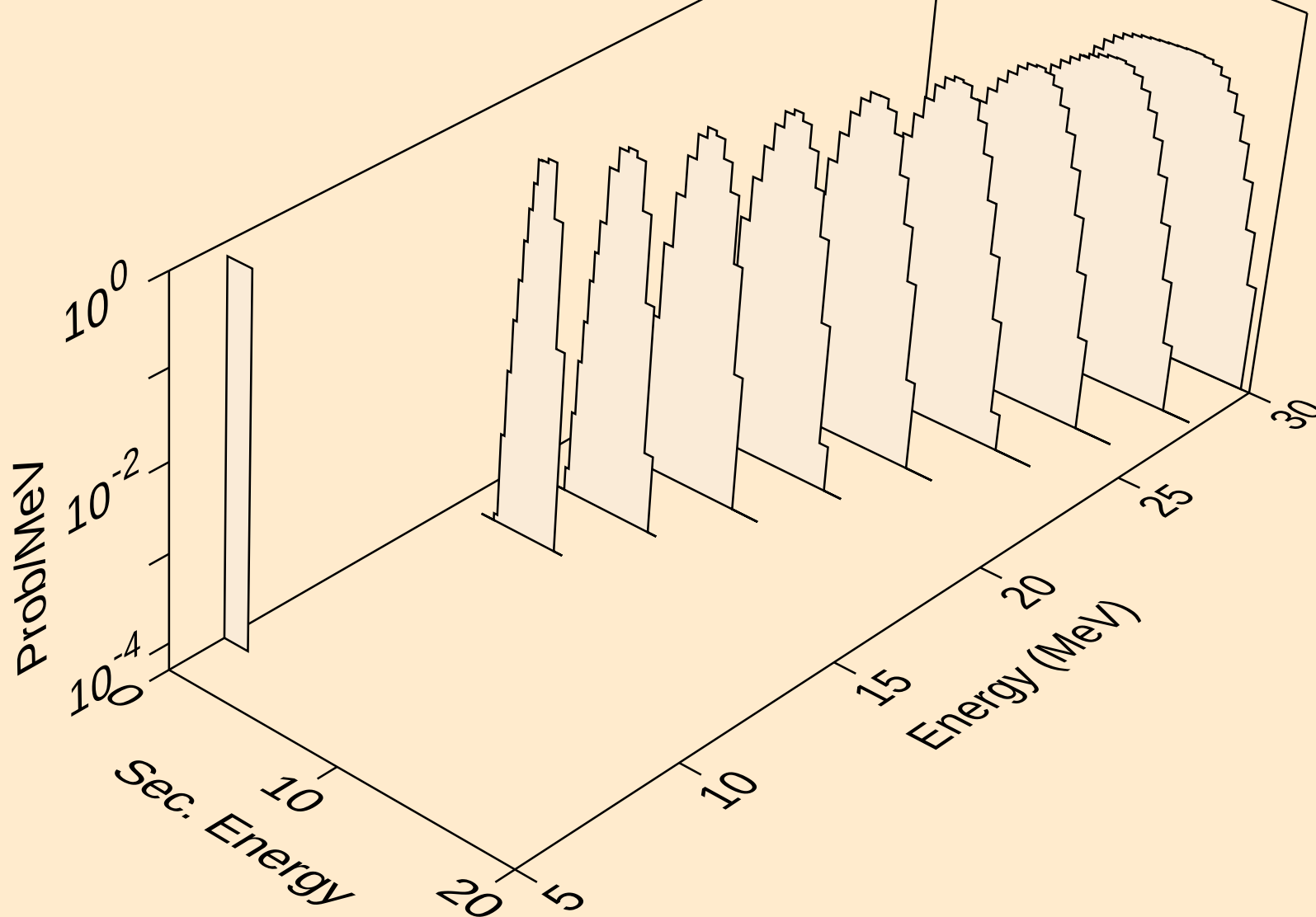
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



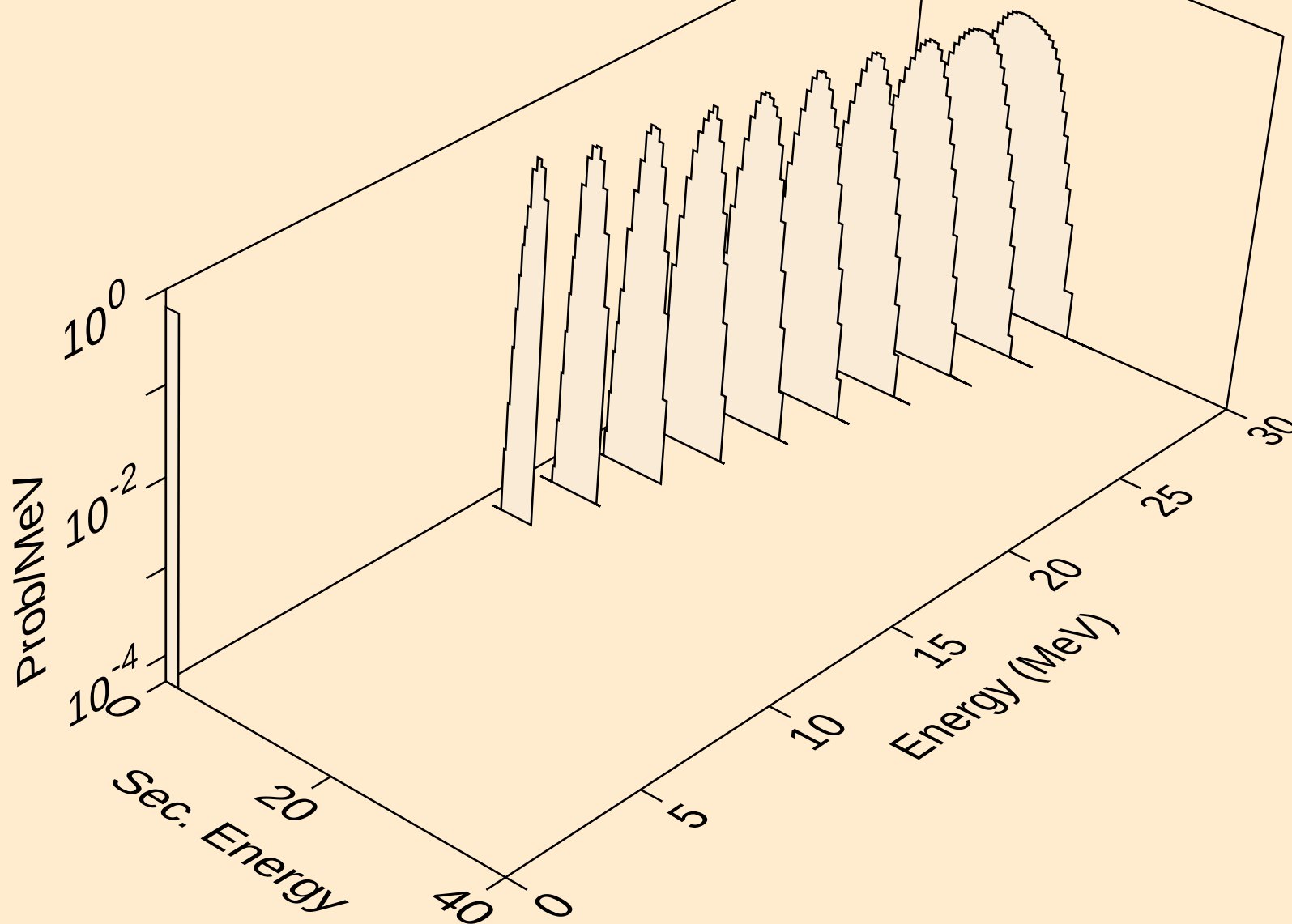
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deuterons from (n,d)



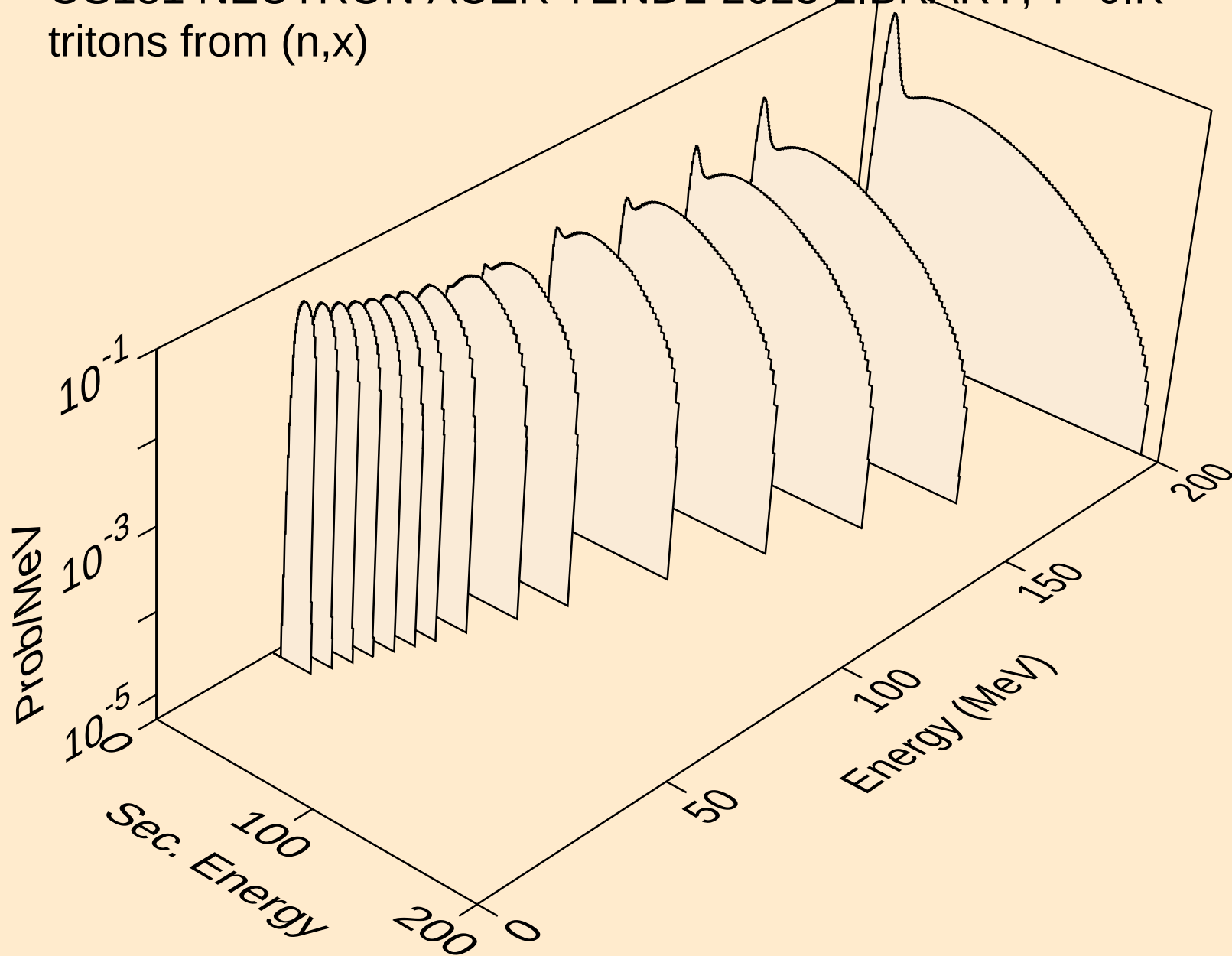
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)

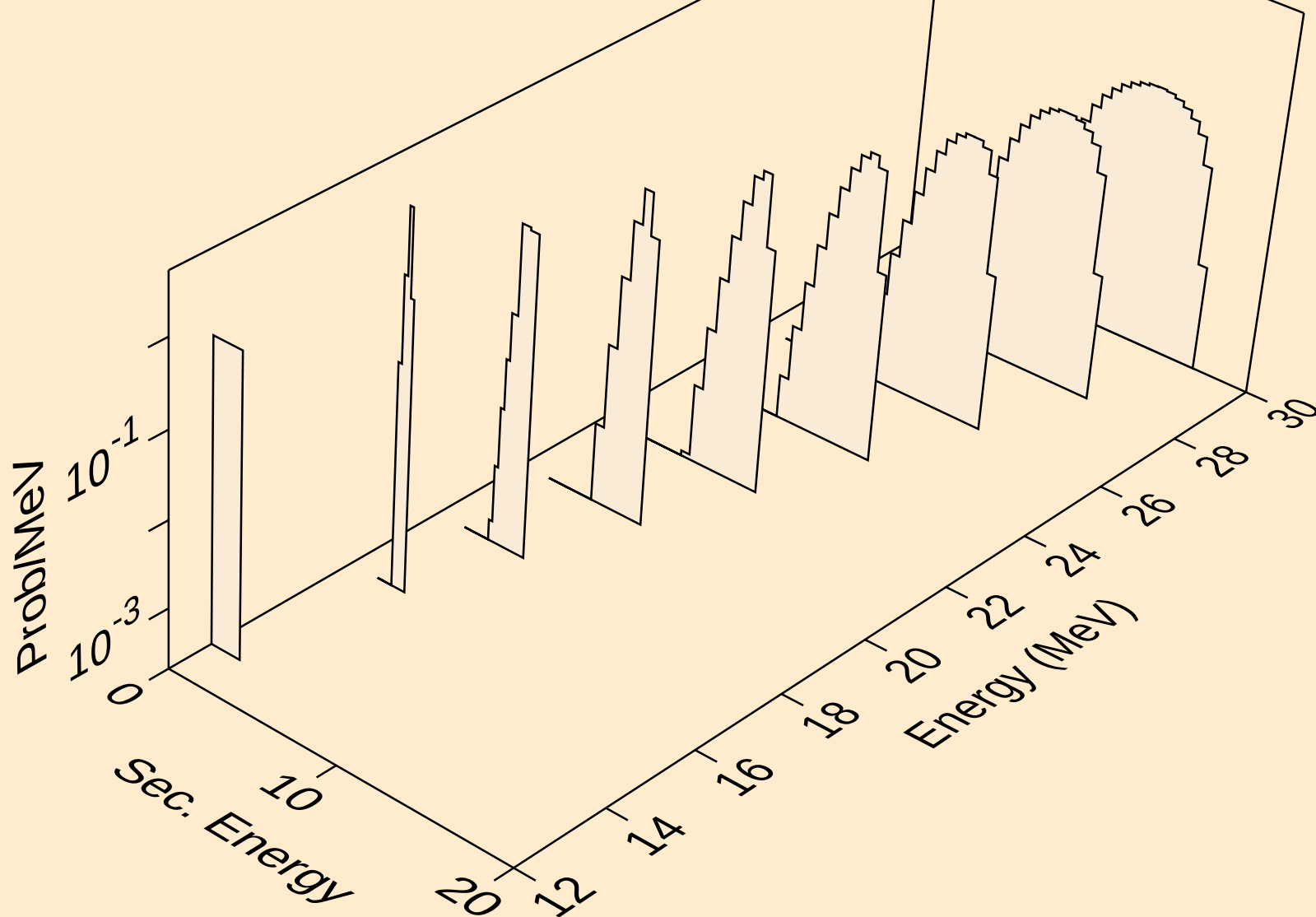


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

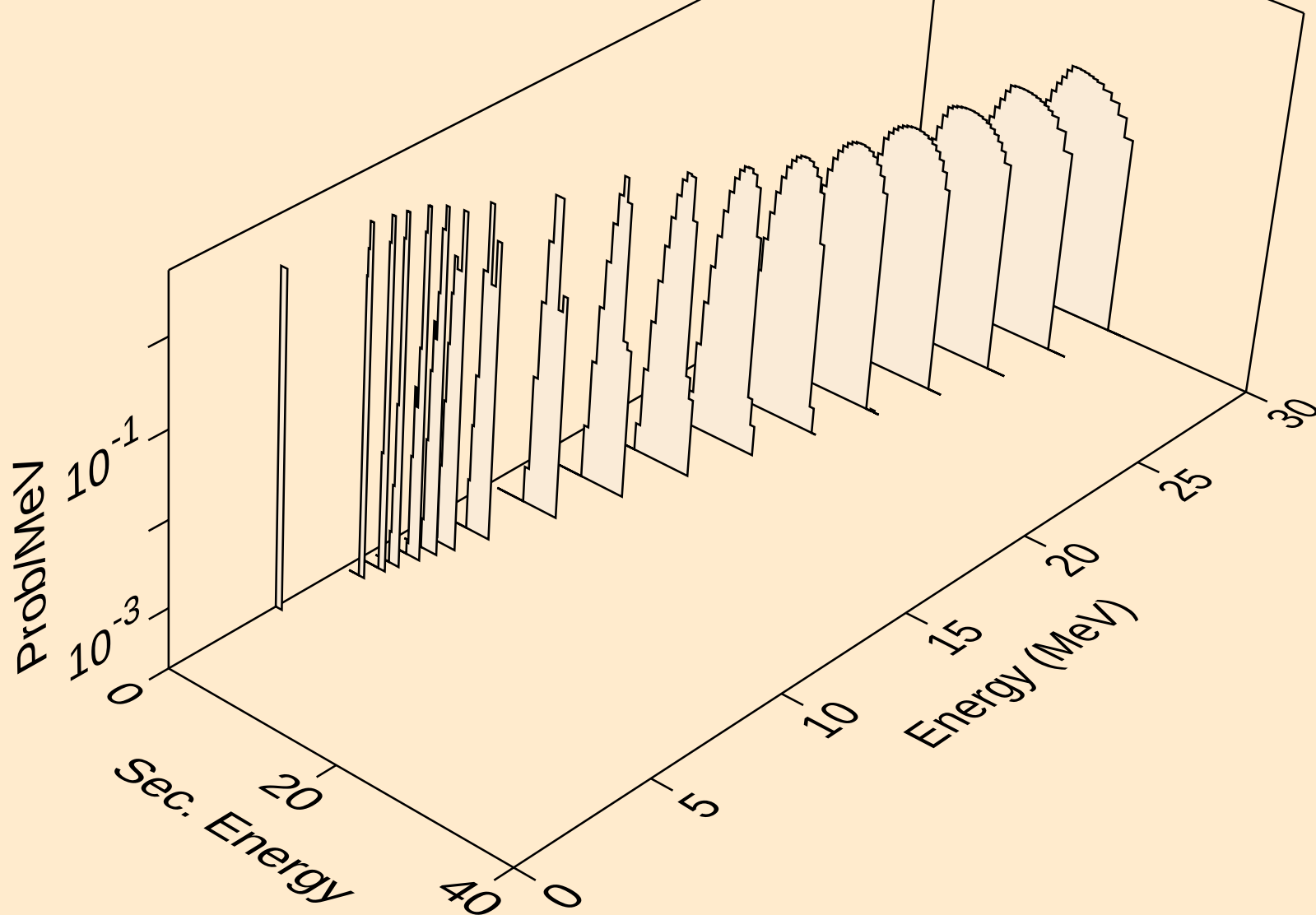




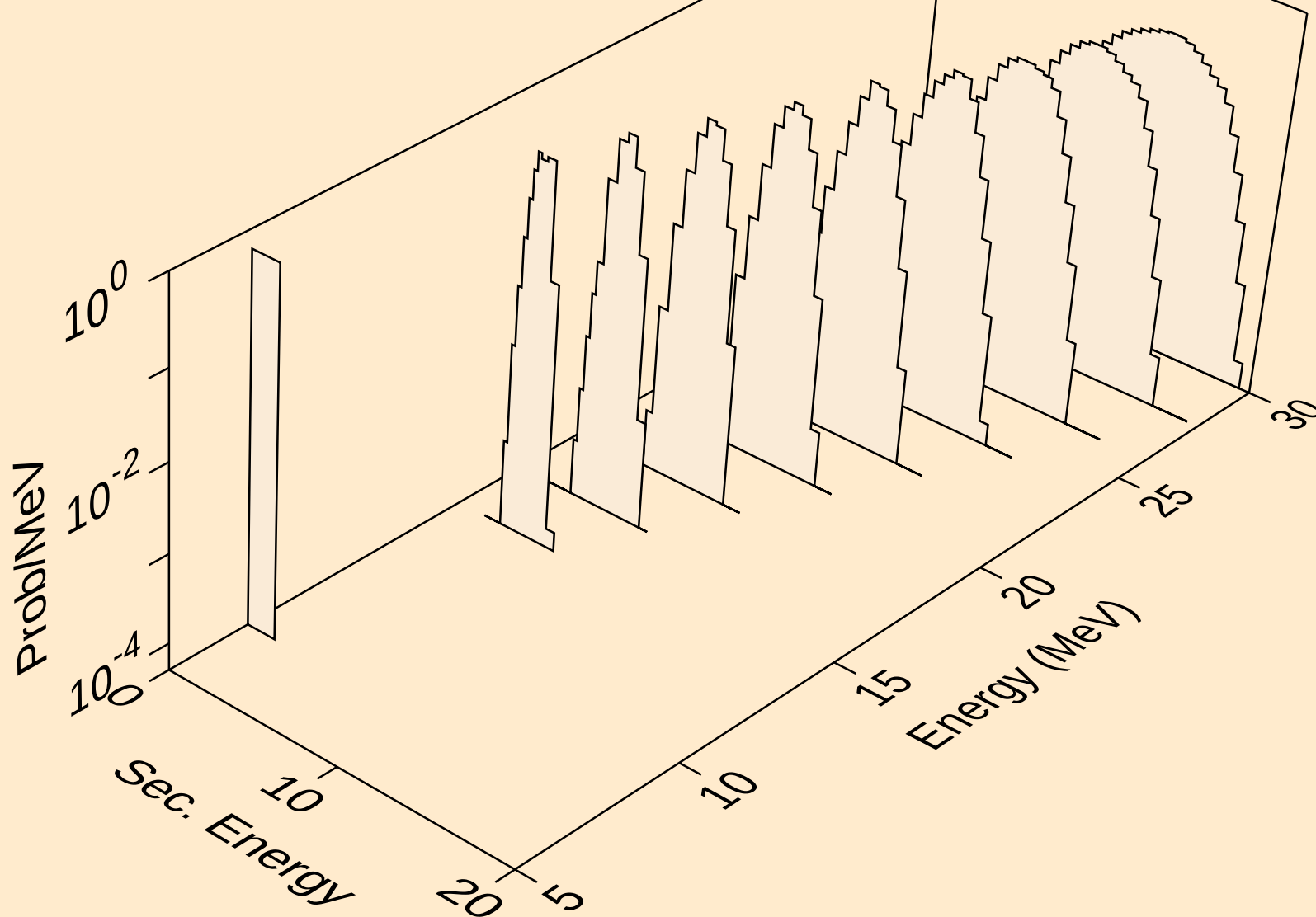
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



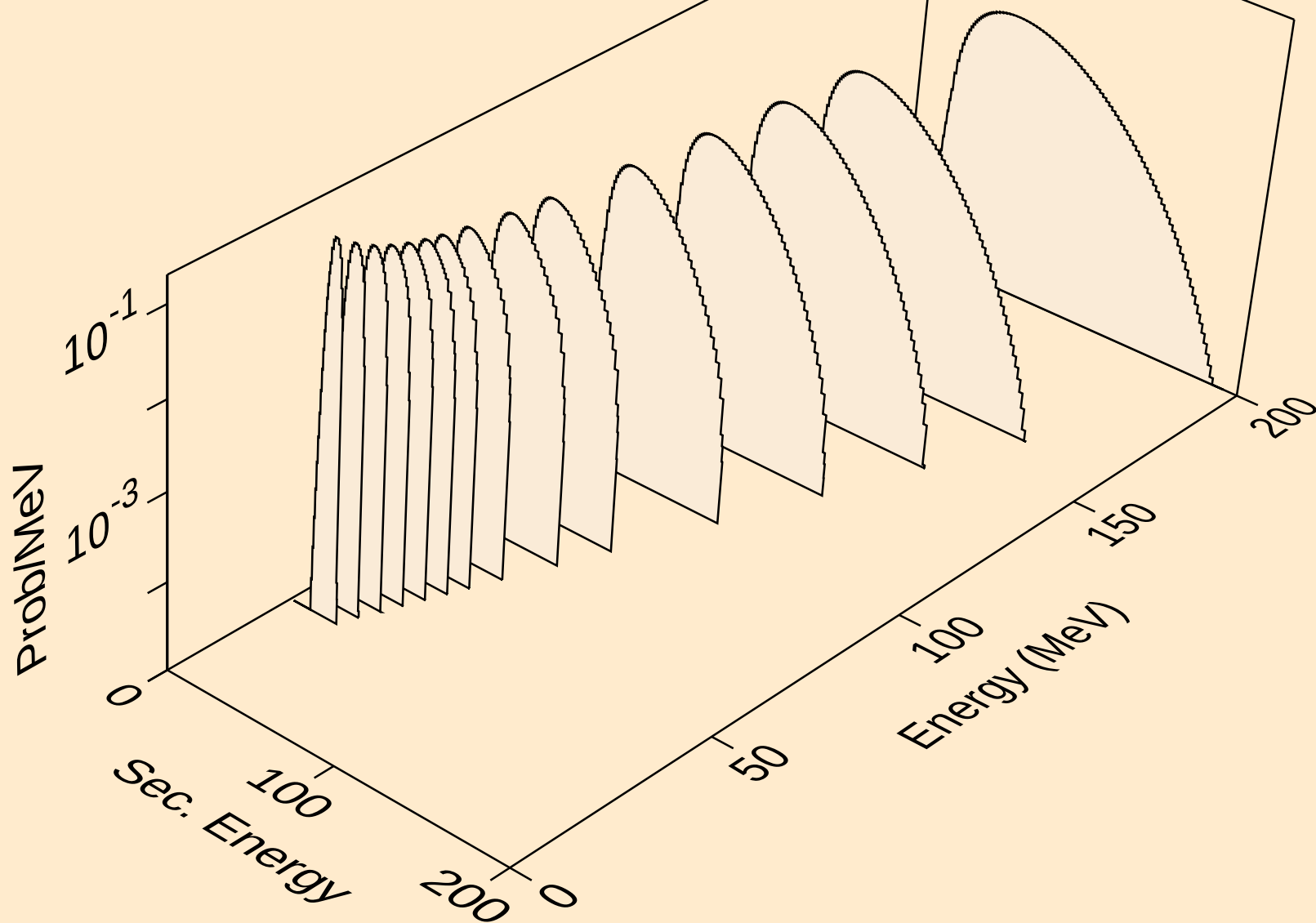
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tritons from (n,t)



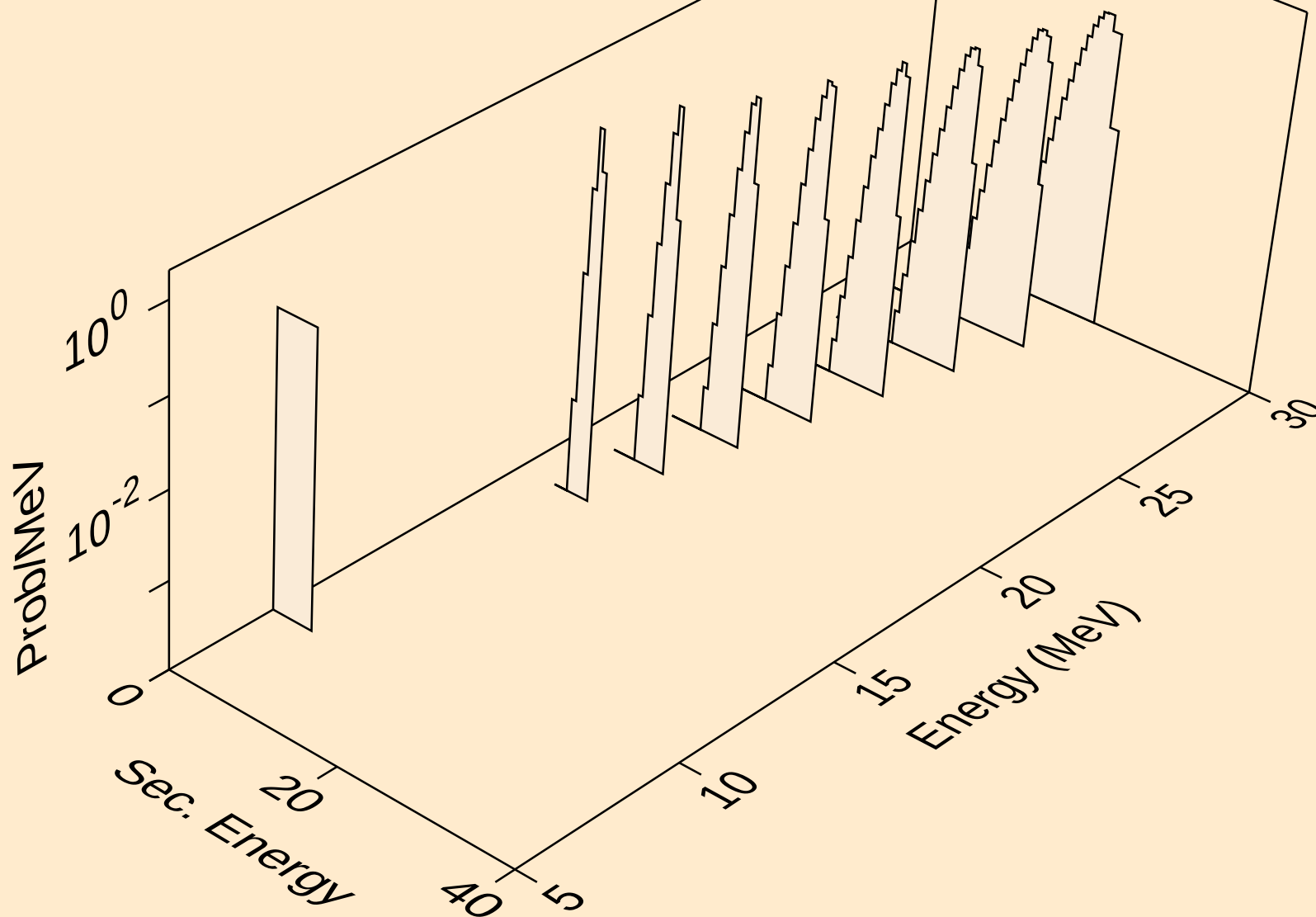
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



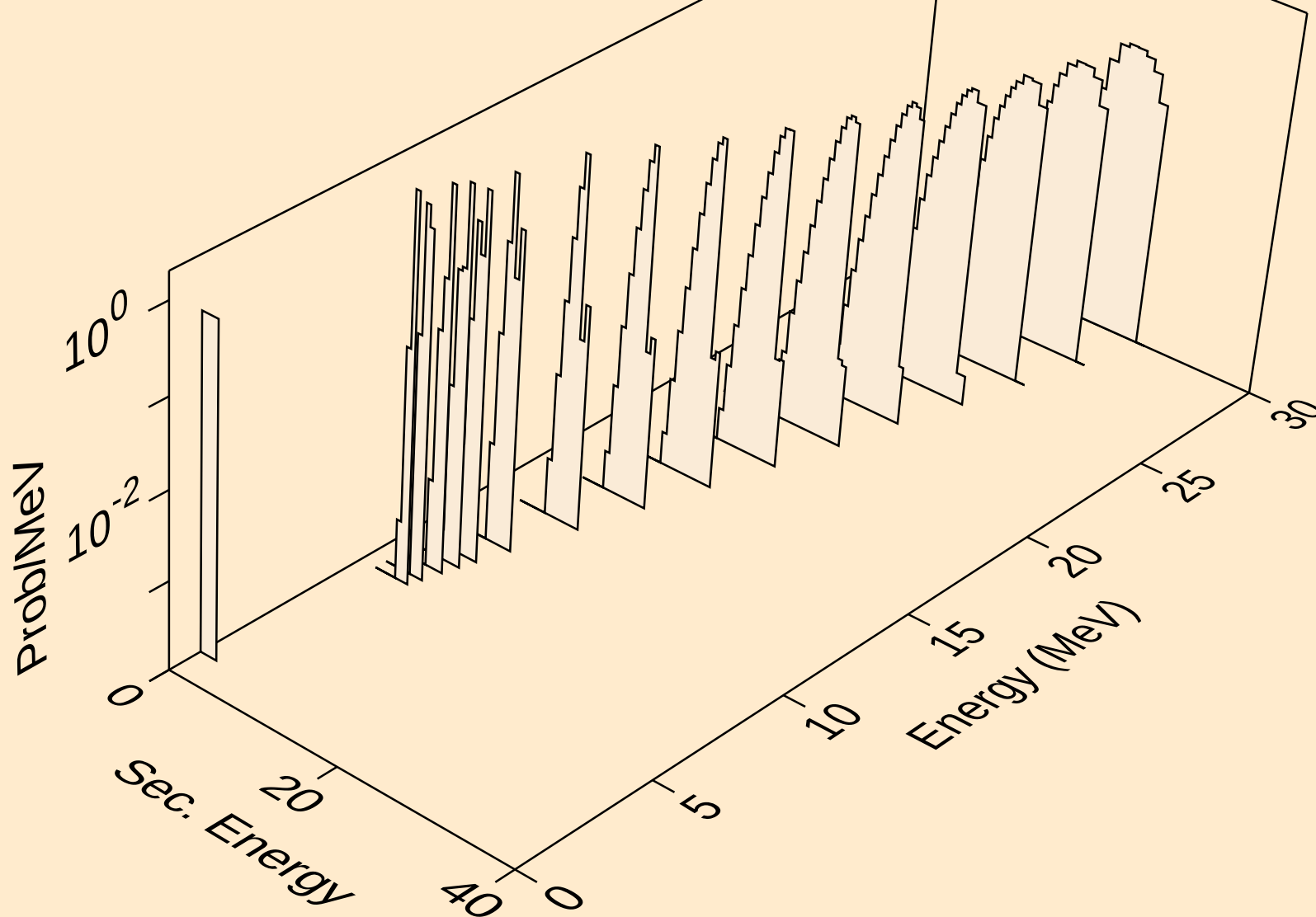
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



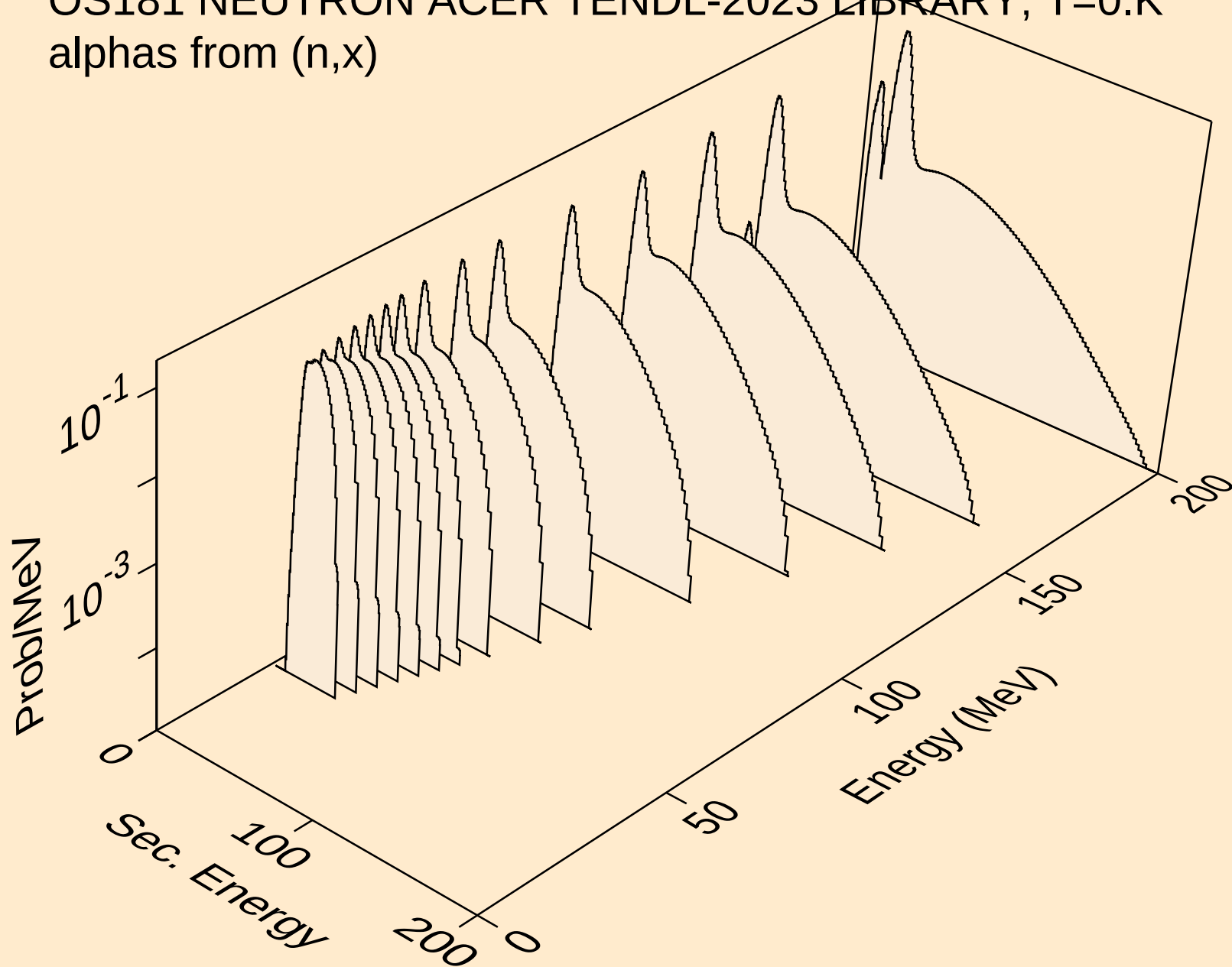
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



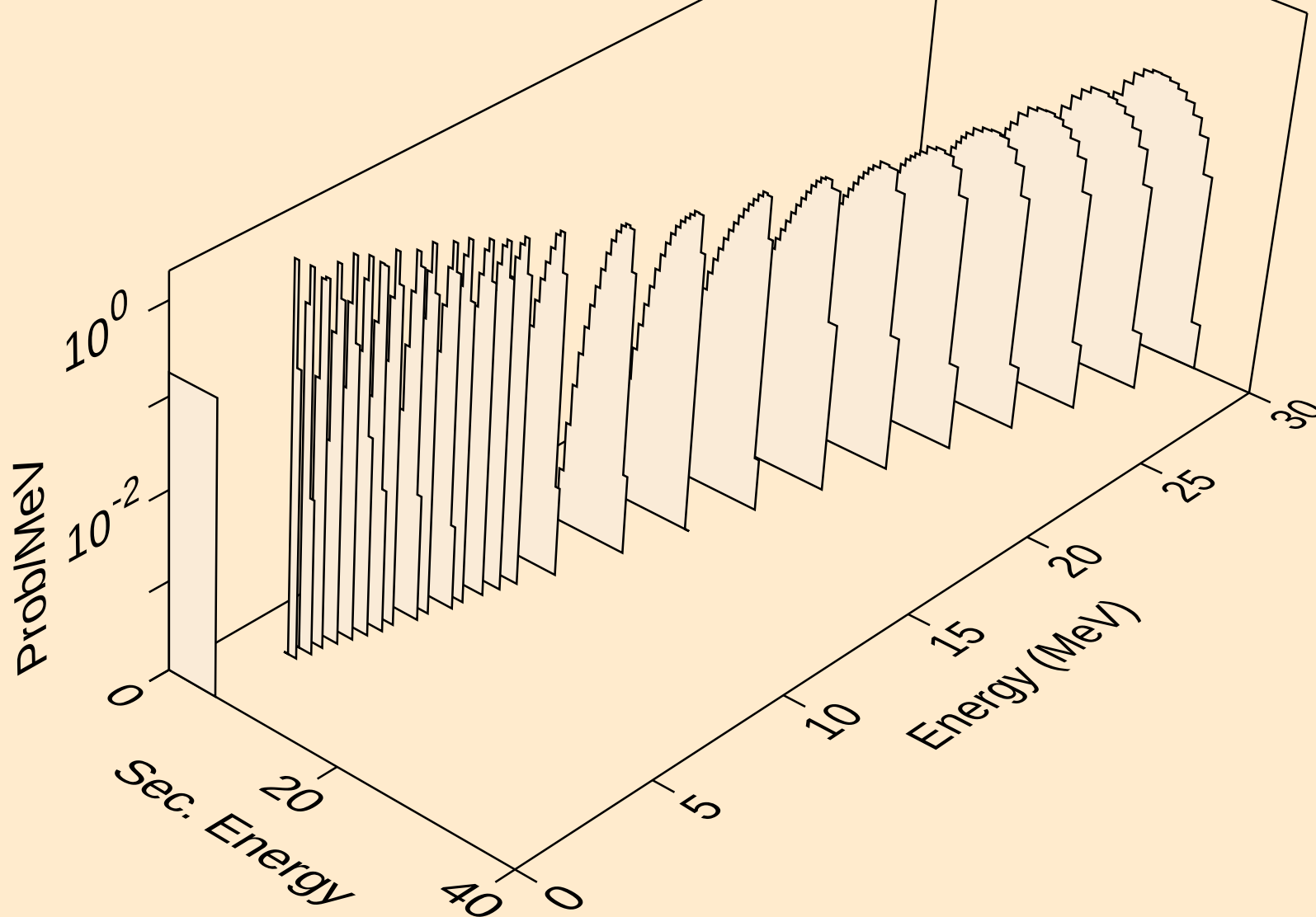
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he3s from (n,he3)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

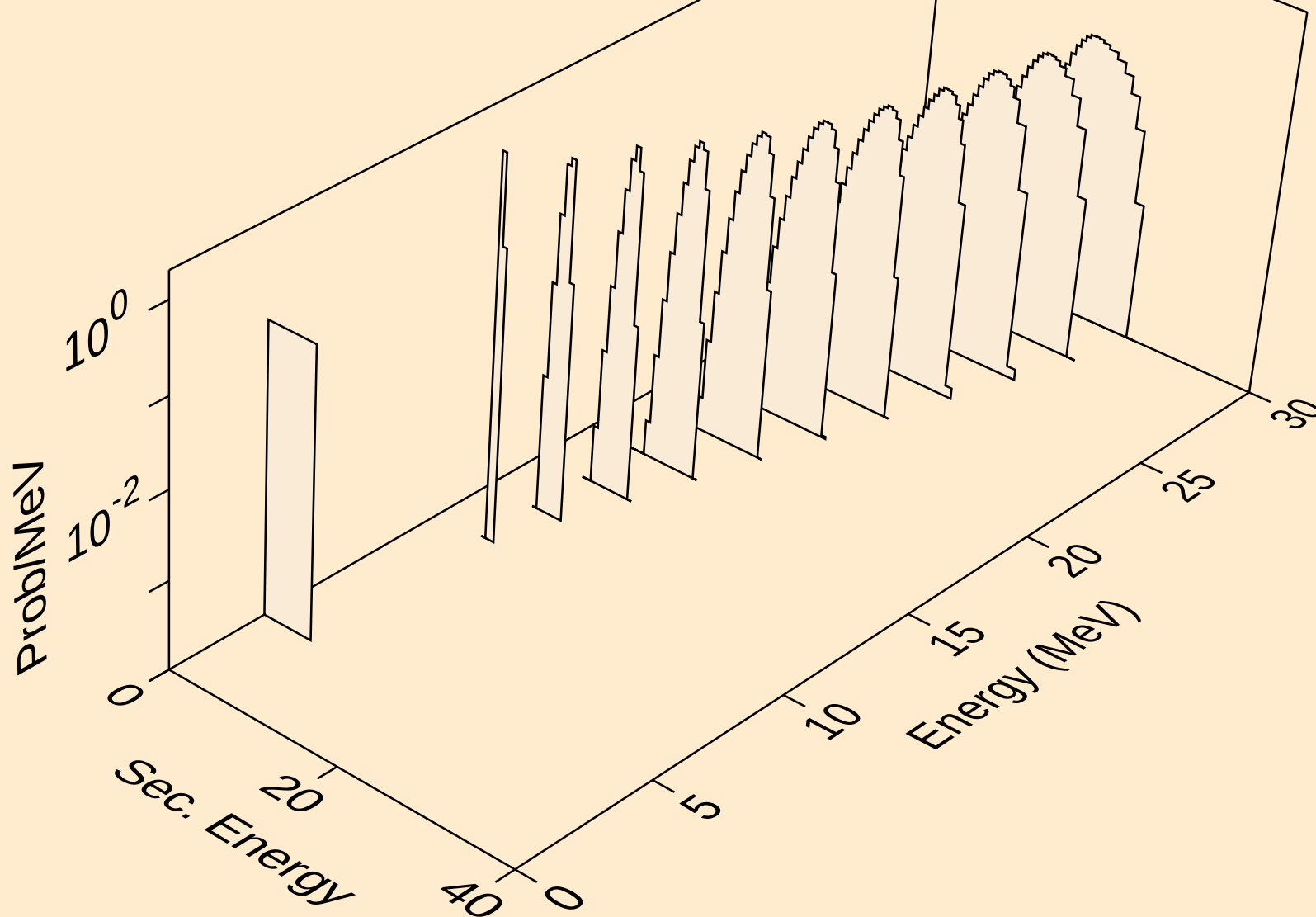


OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

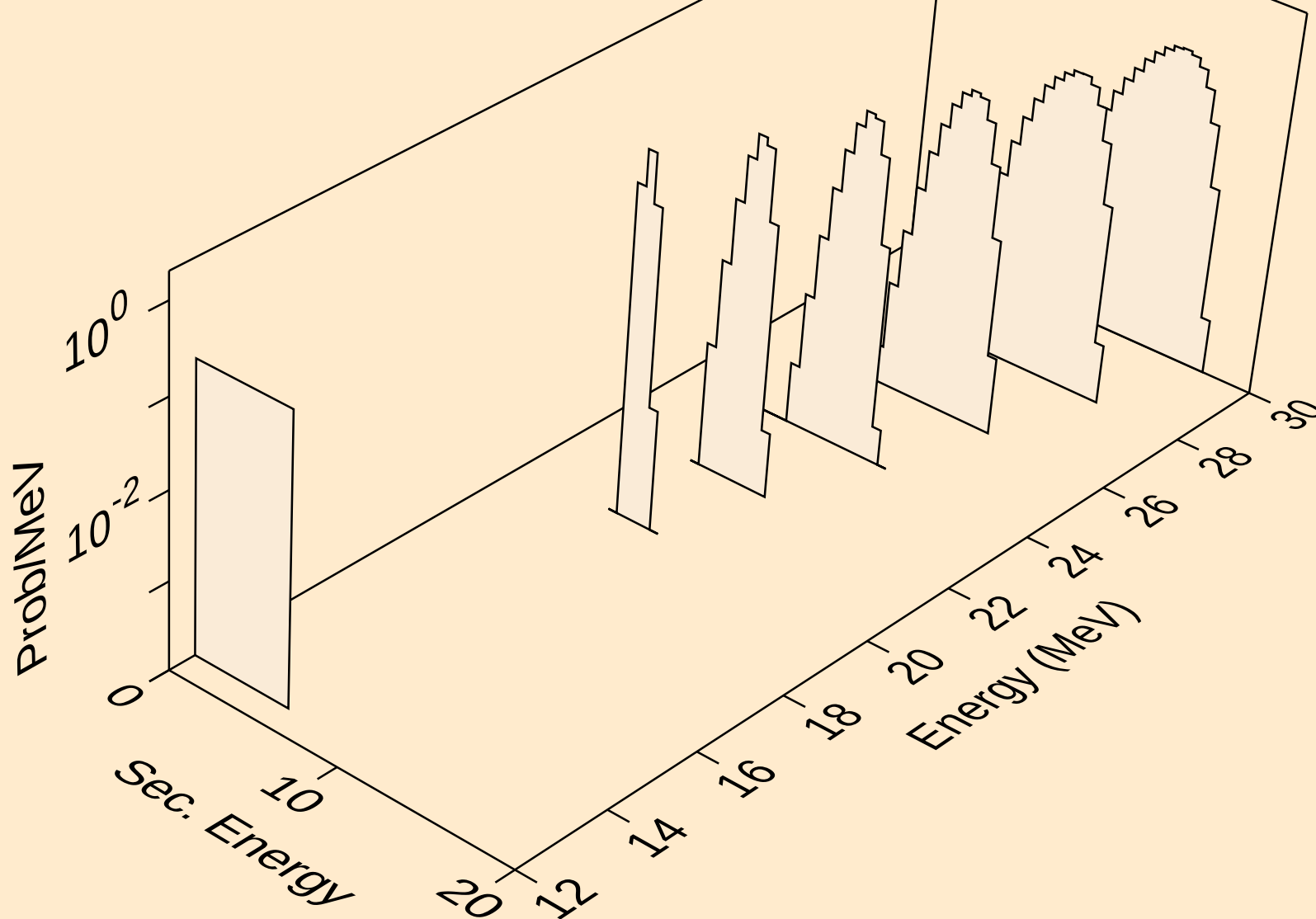




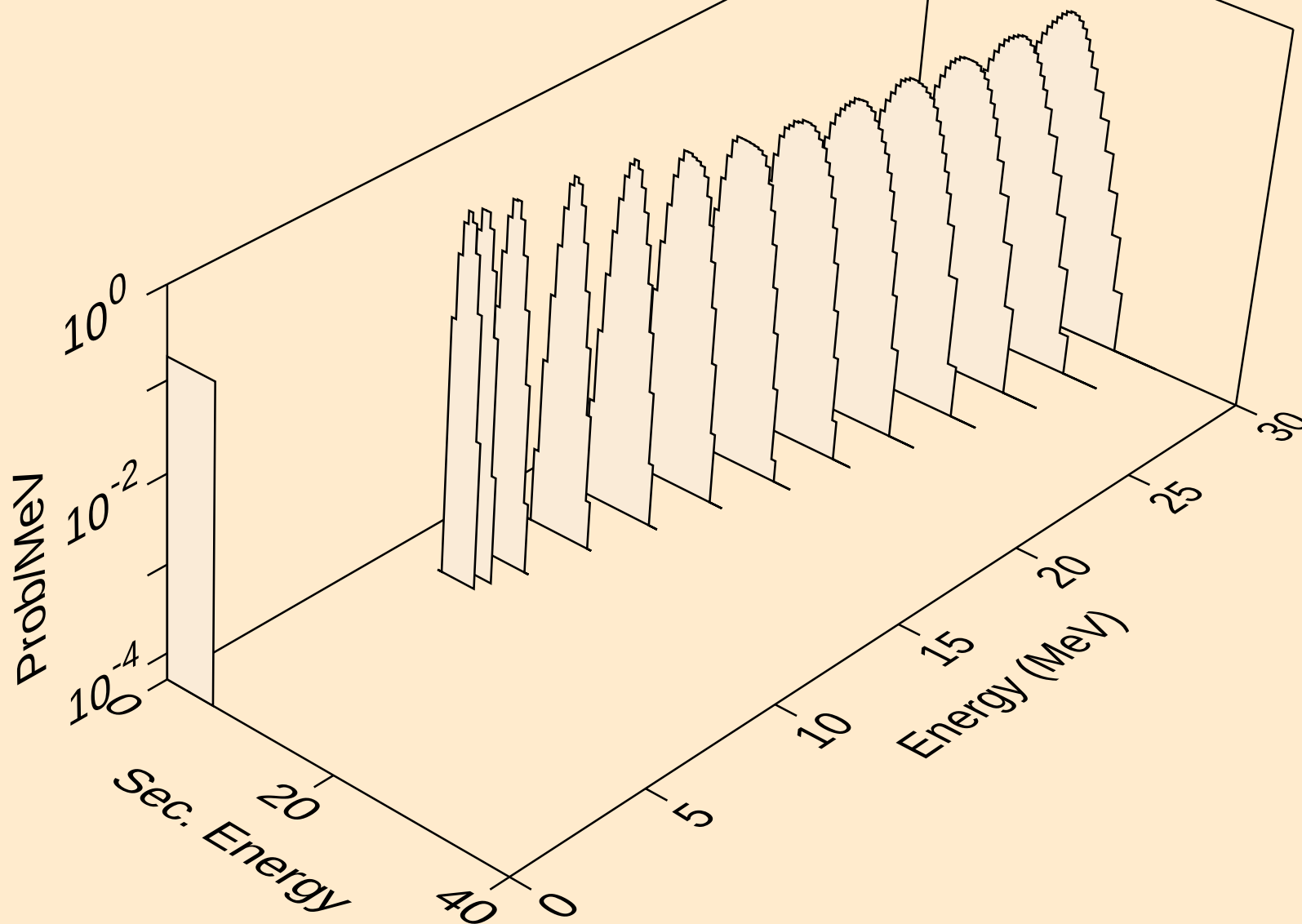
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



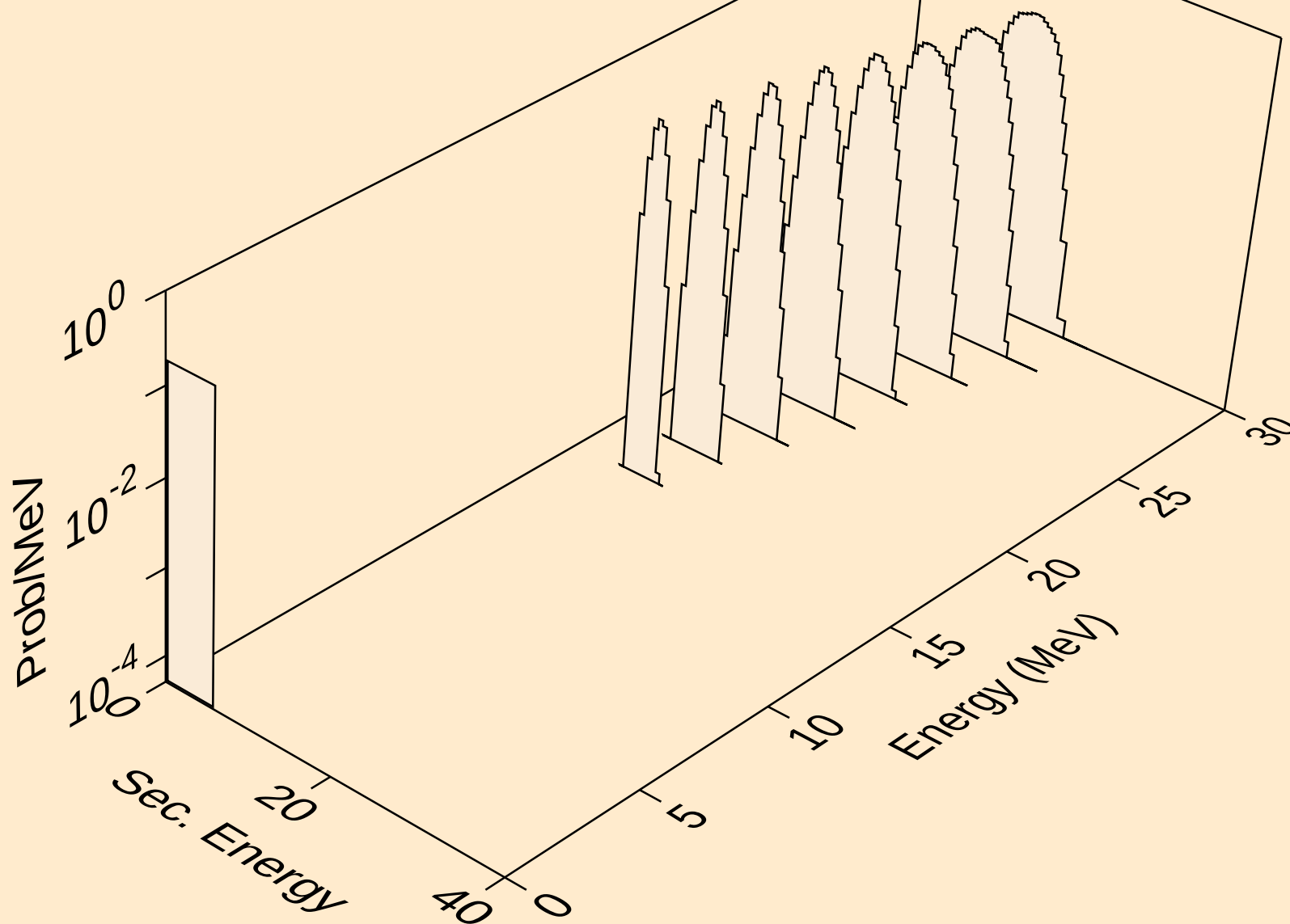
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



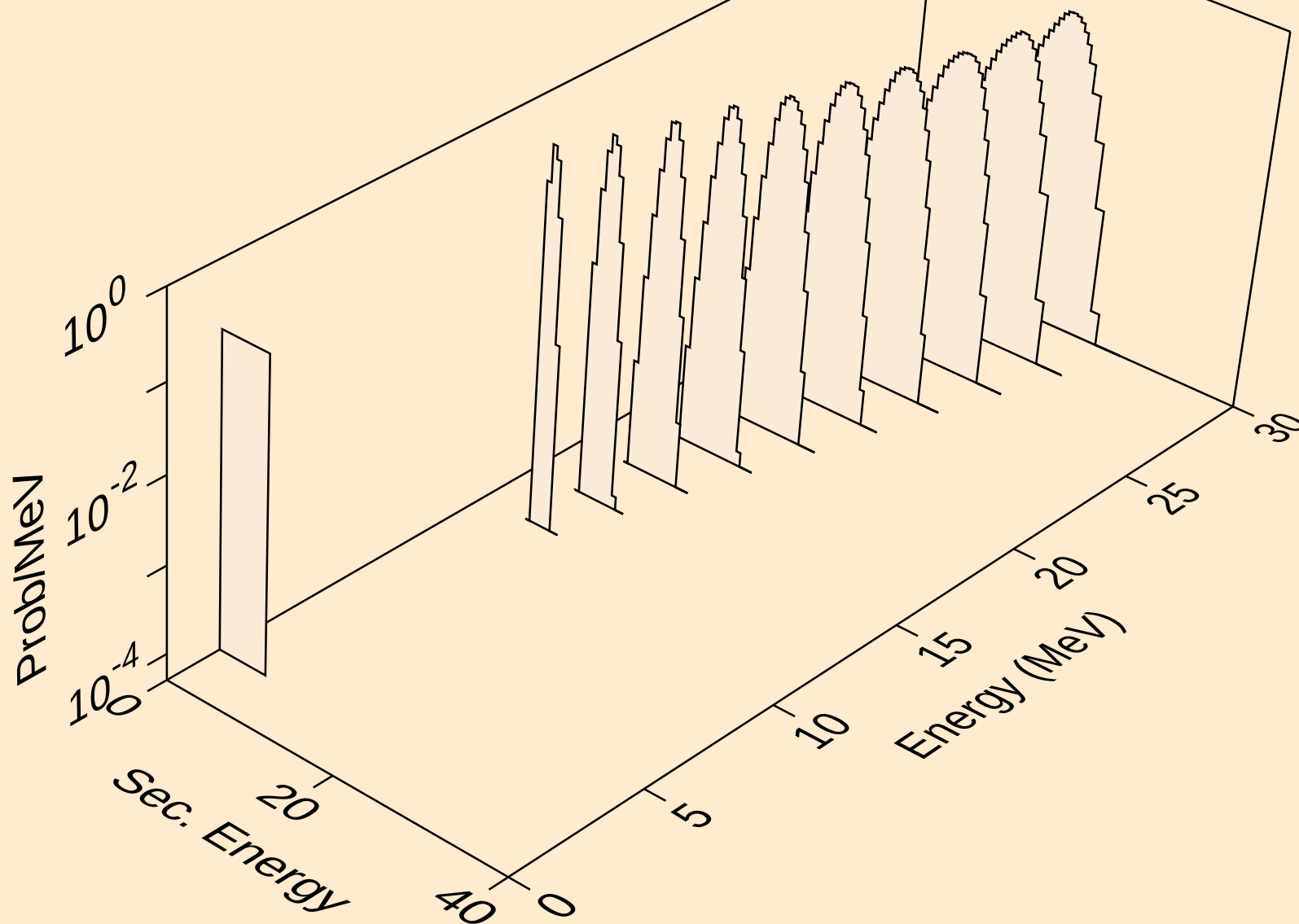
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



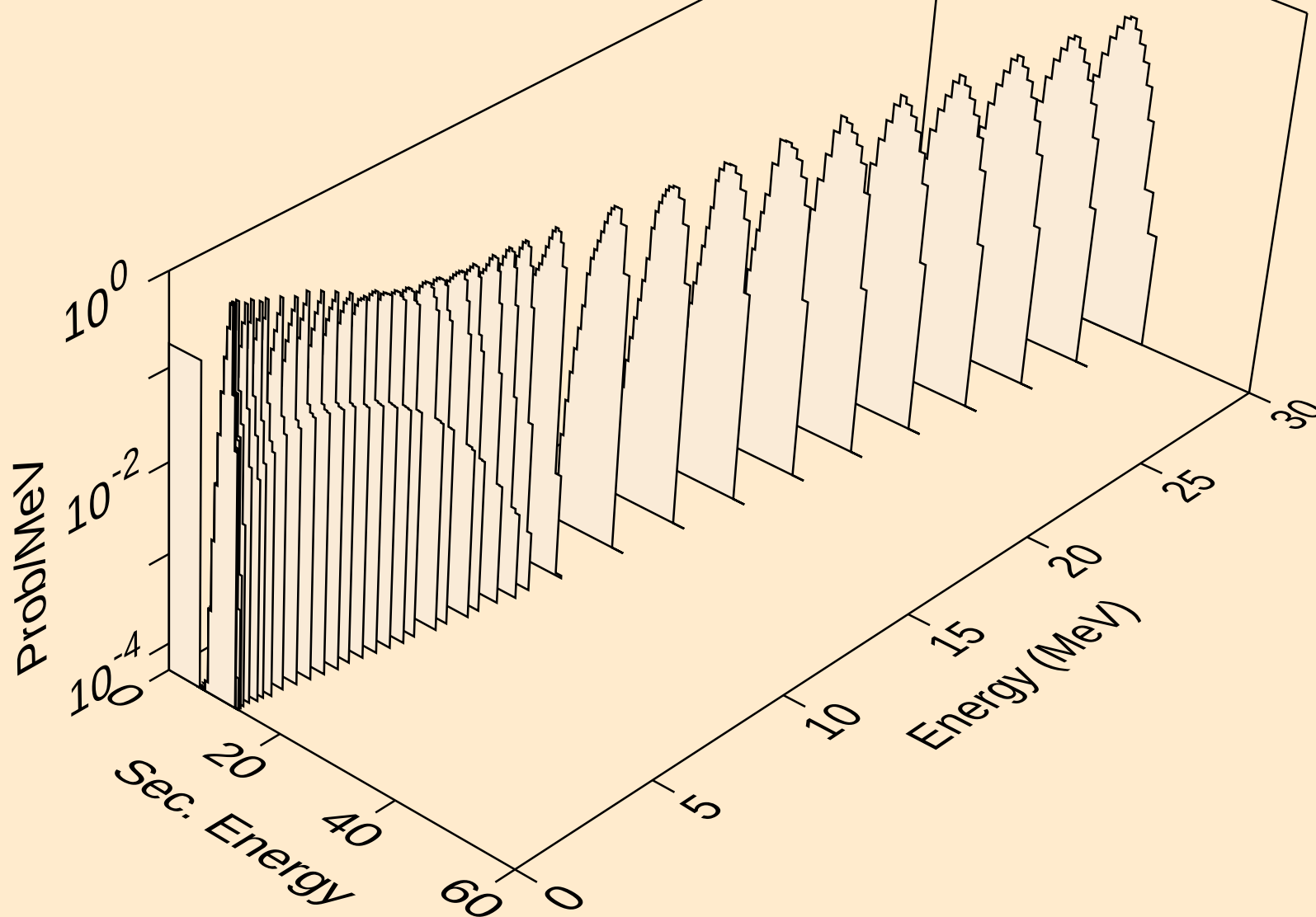
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



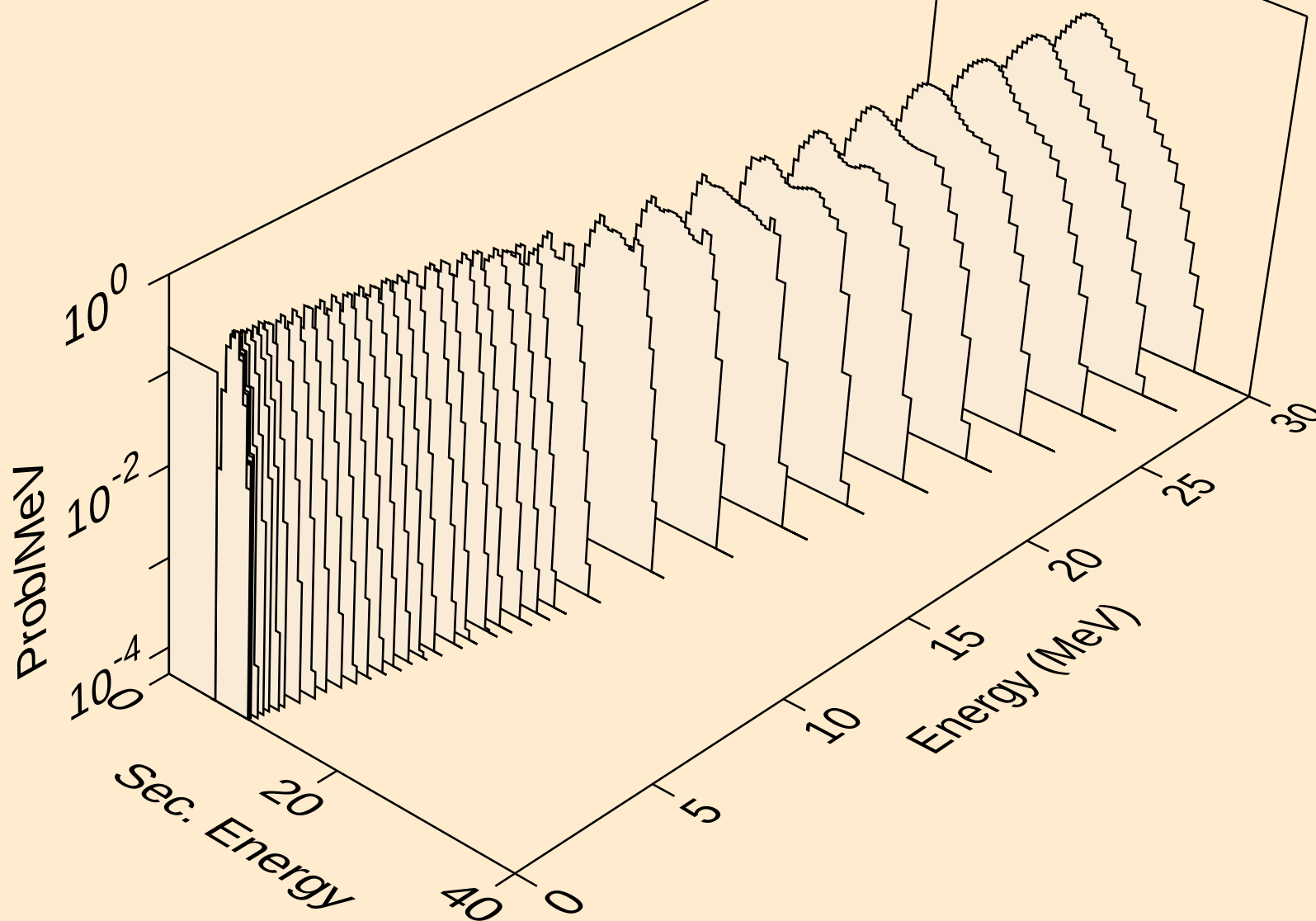
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alphas from (n,npa)



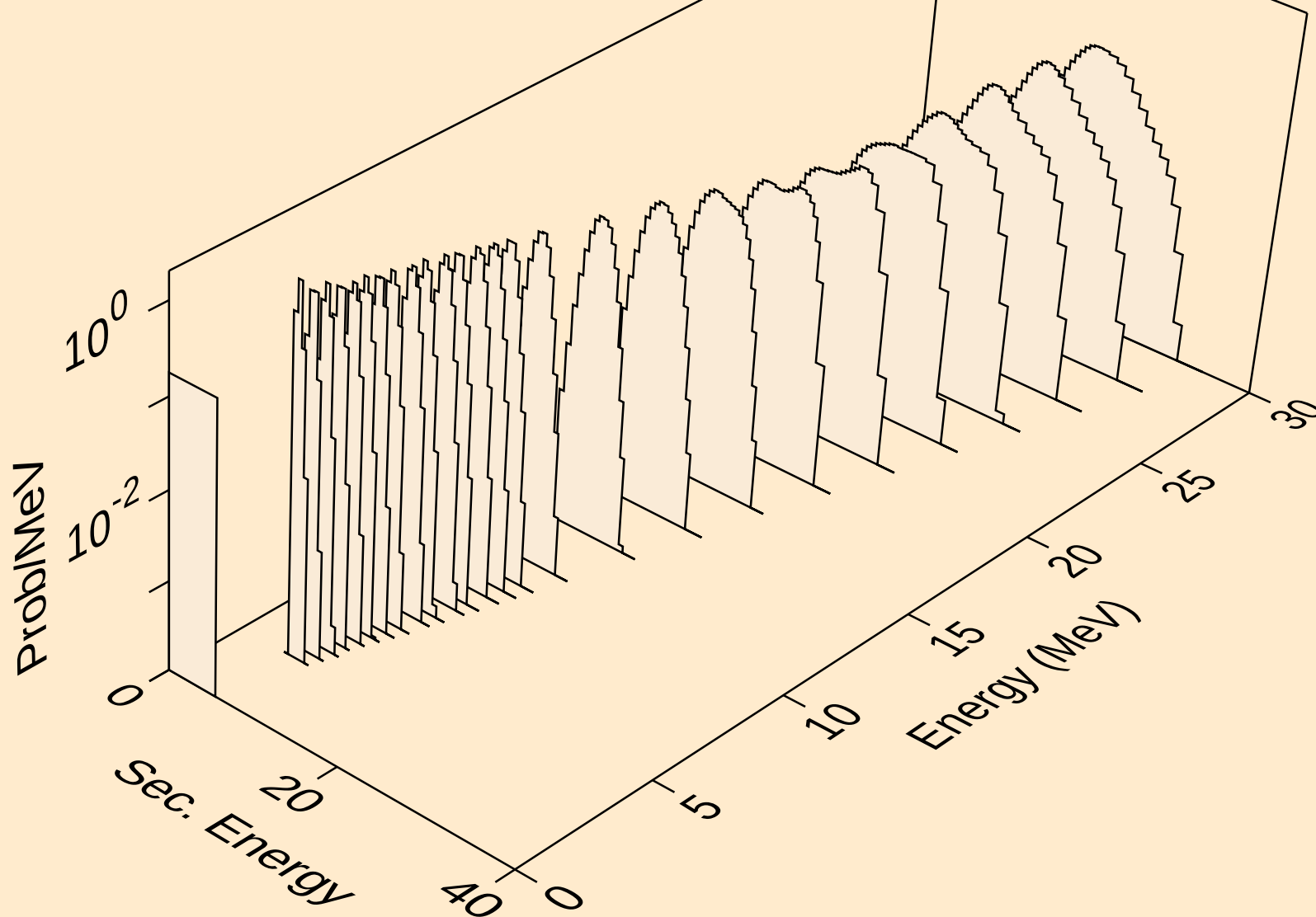
OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)





OS181 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

