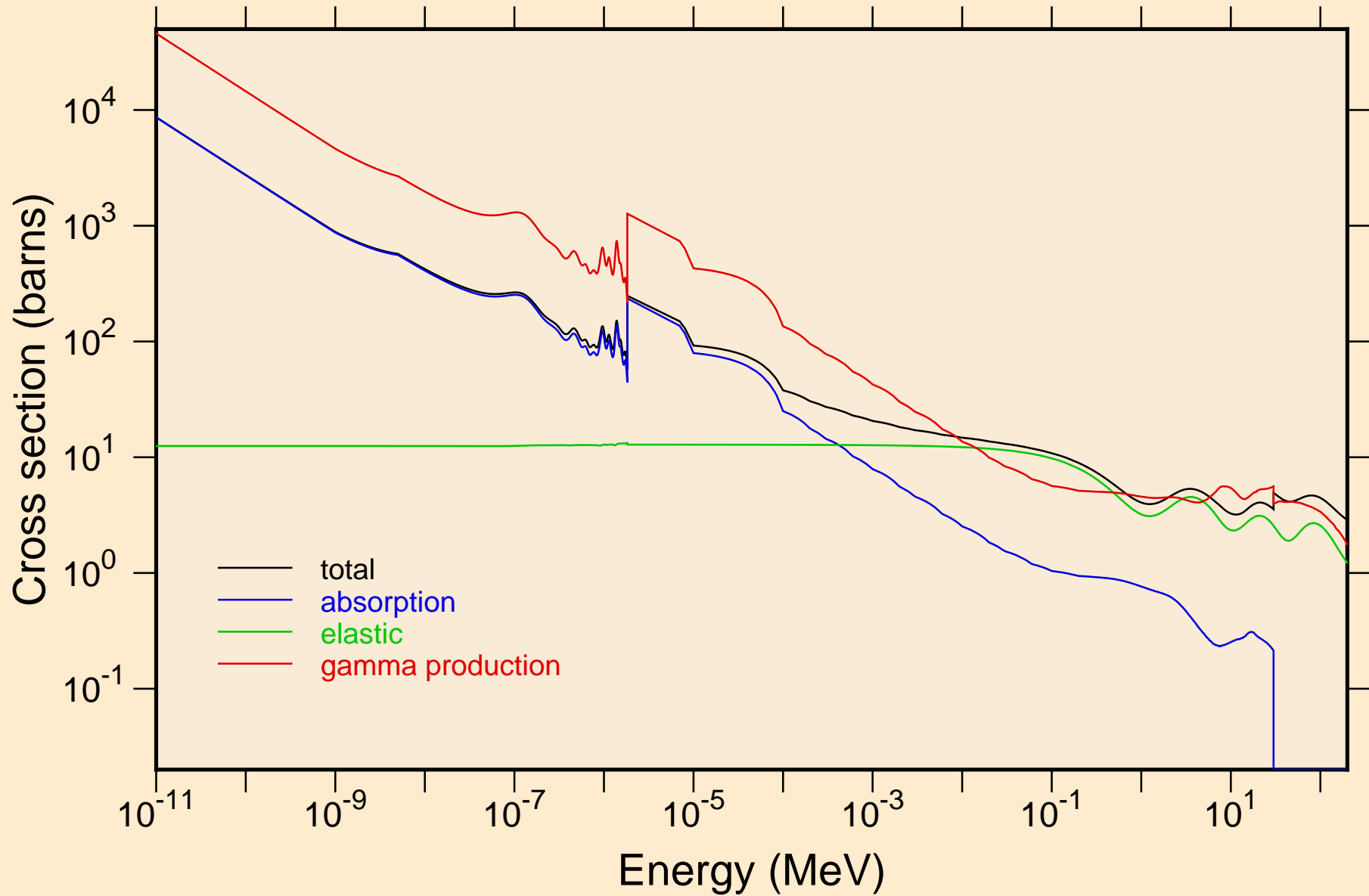


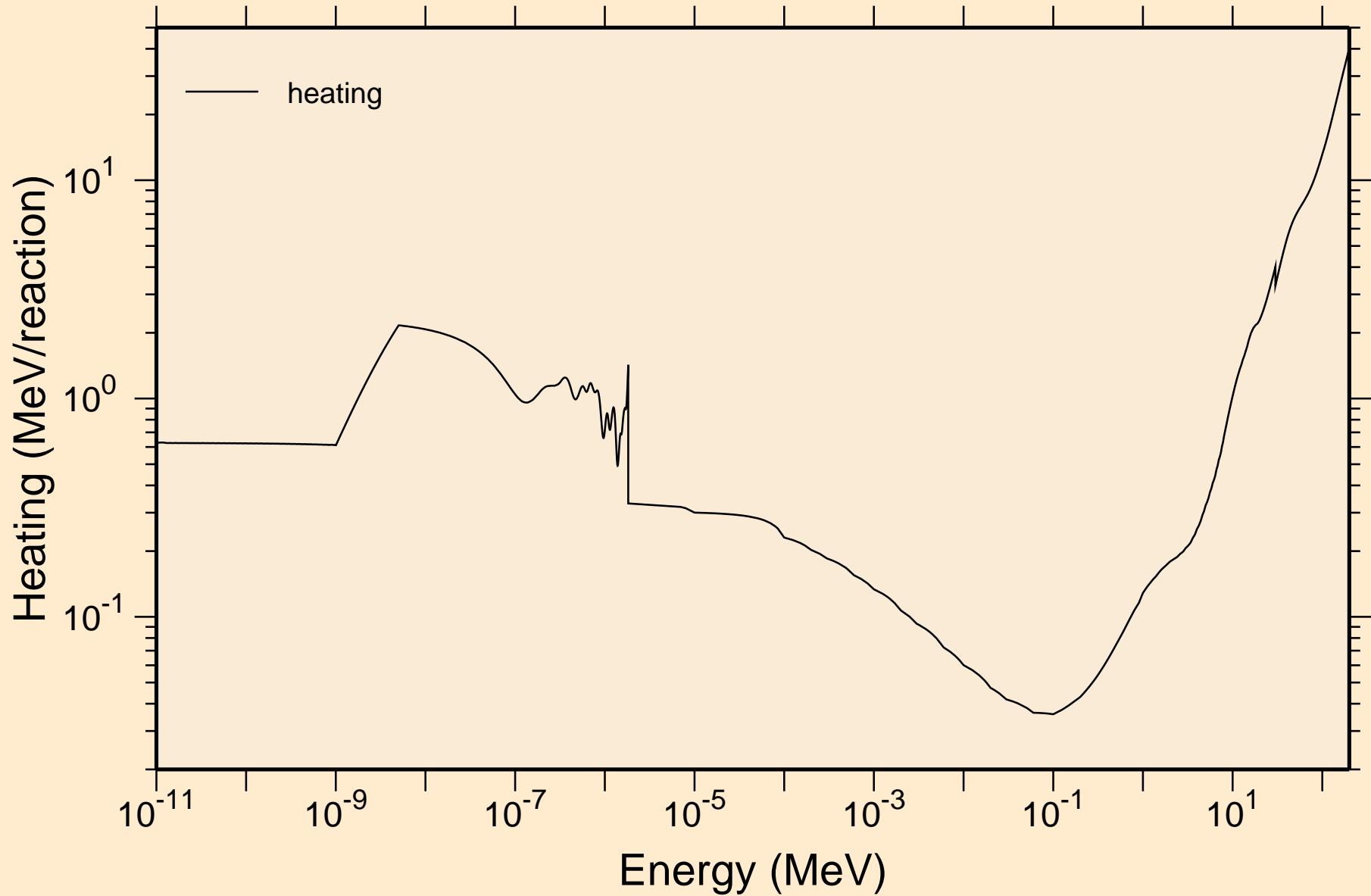
# BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



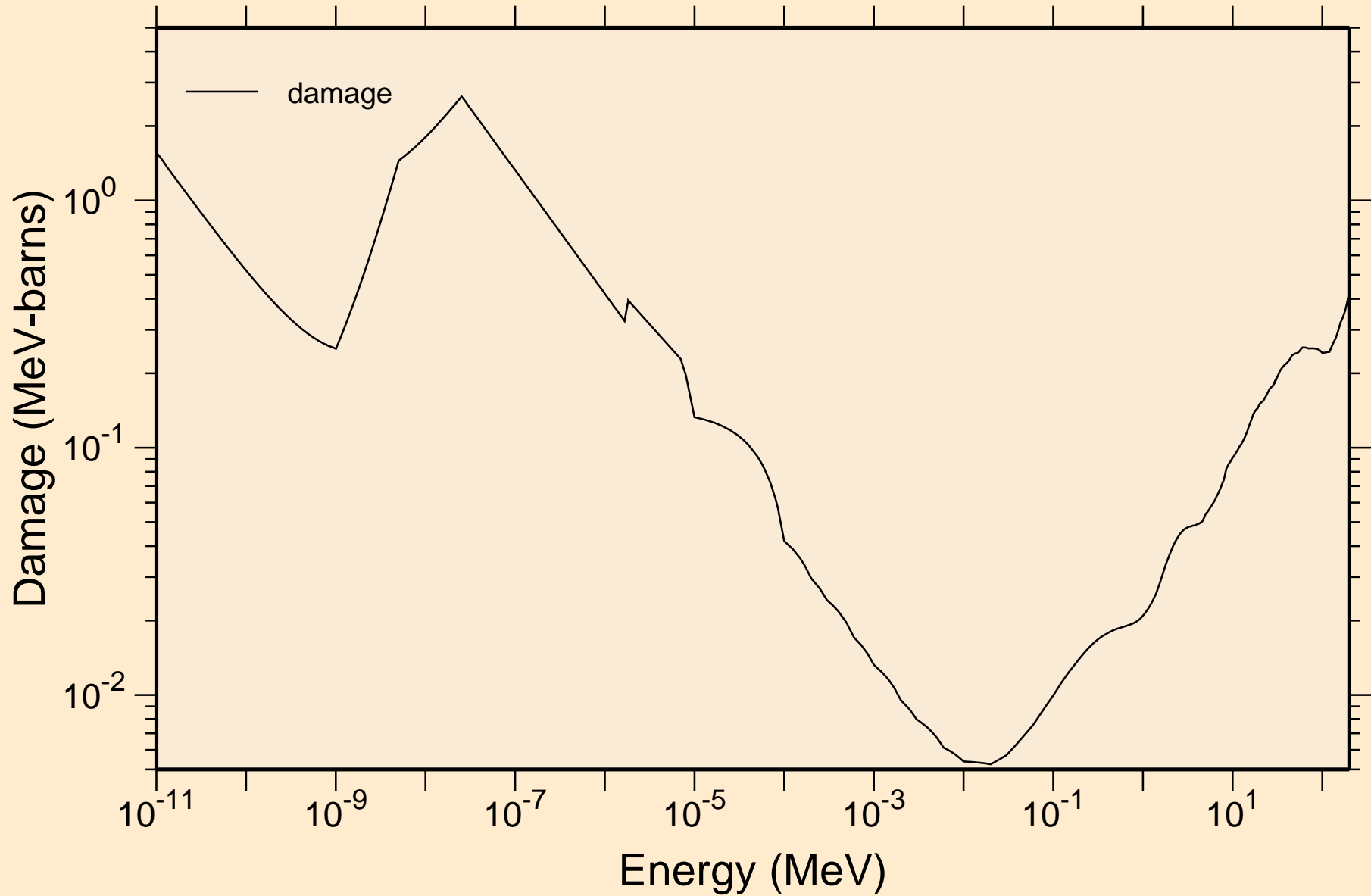
# BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

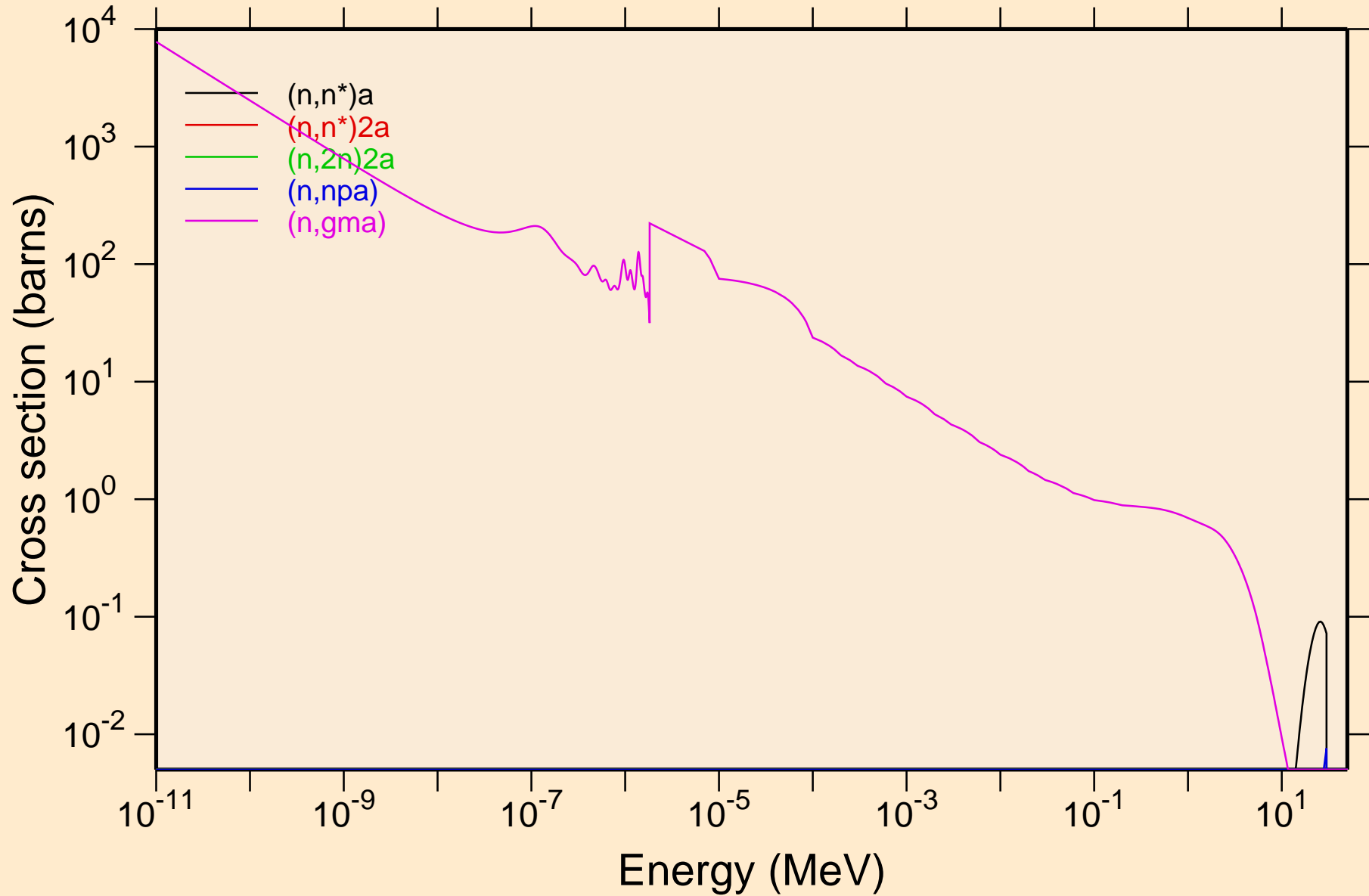


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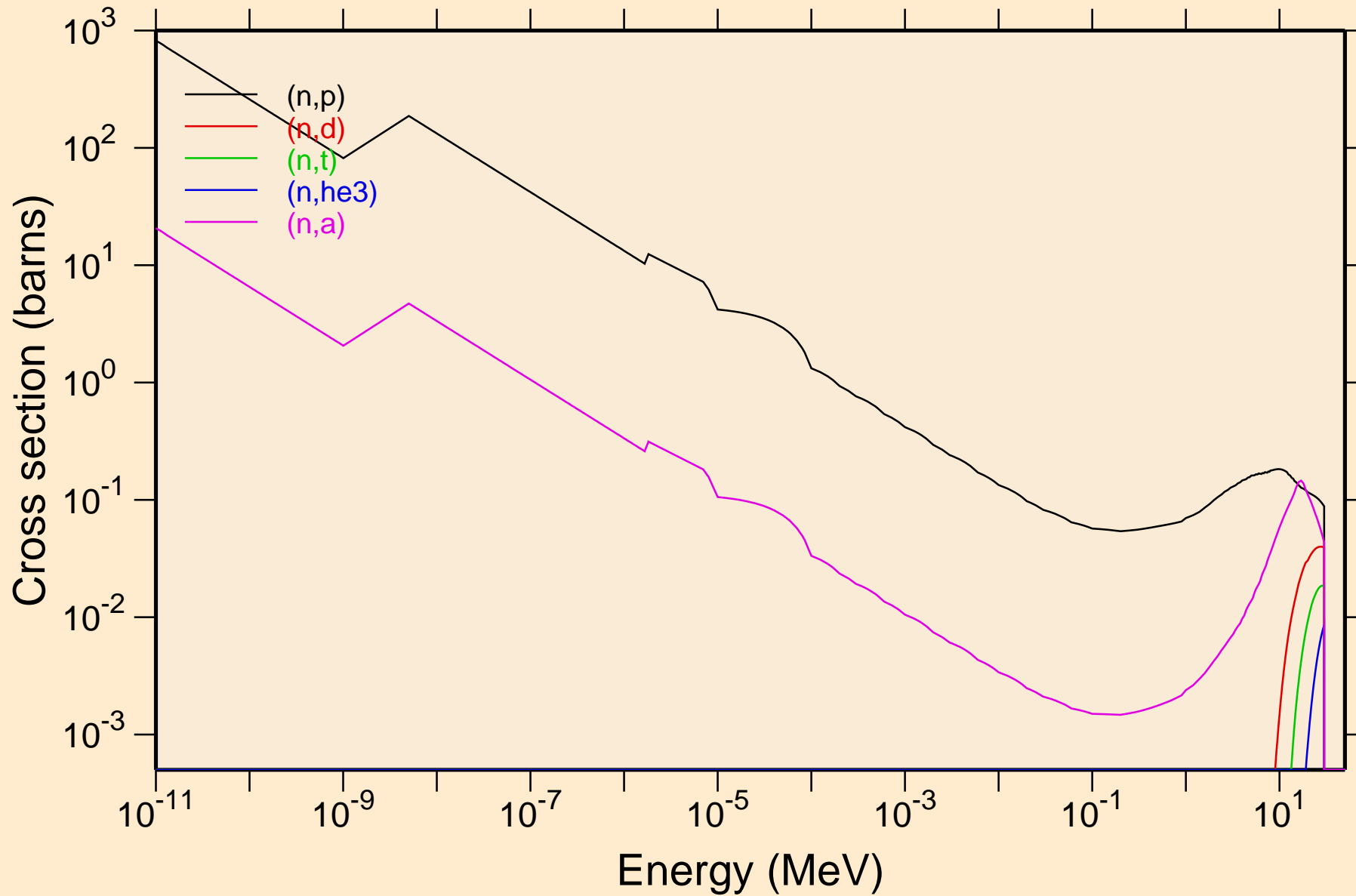
## Damage



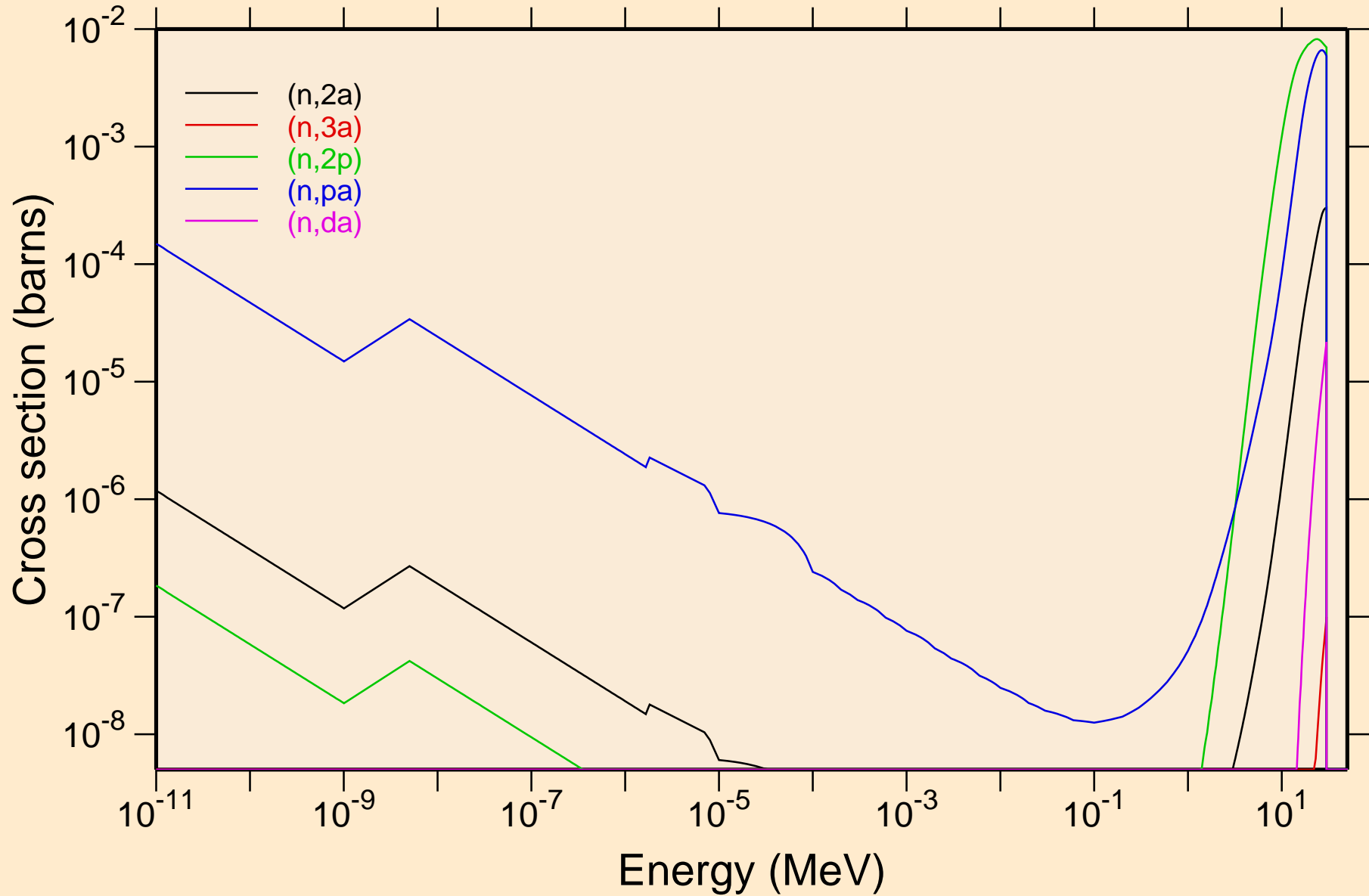
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



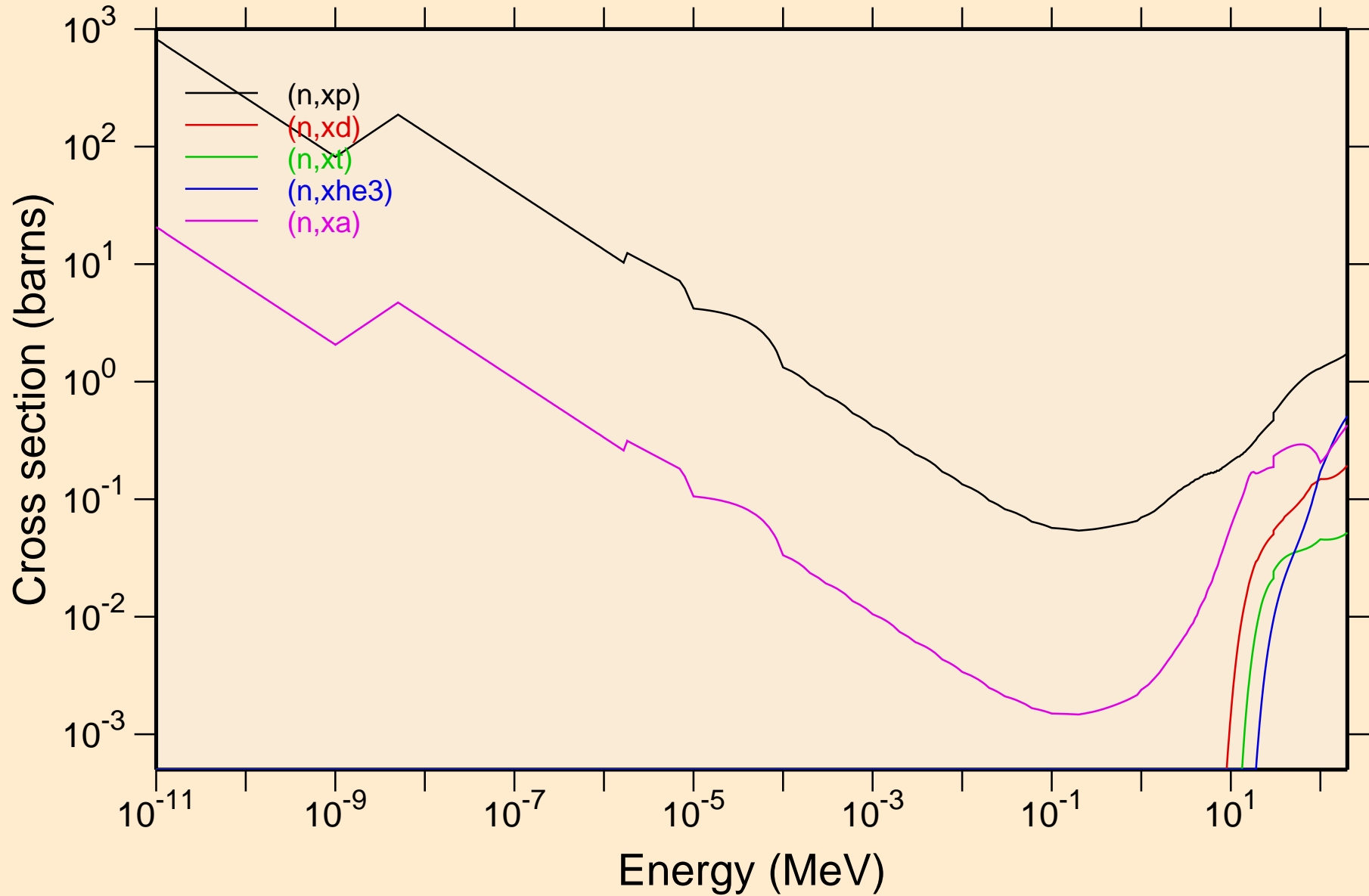
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

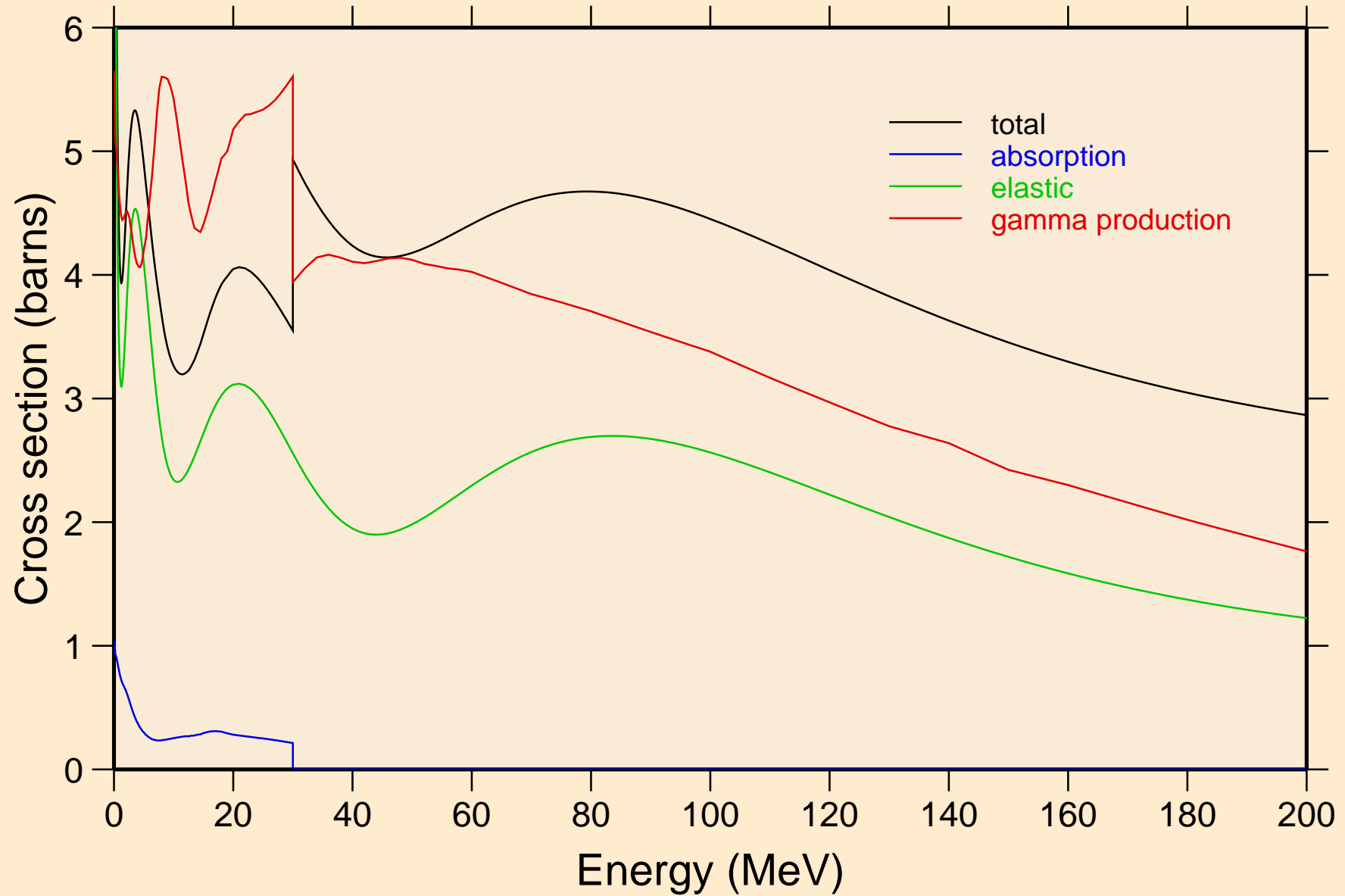


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

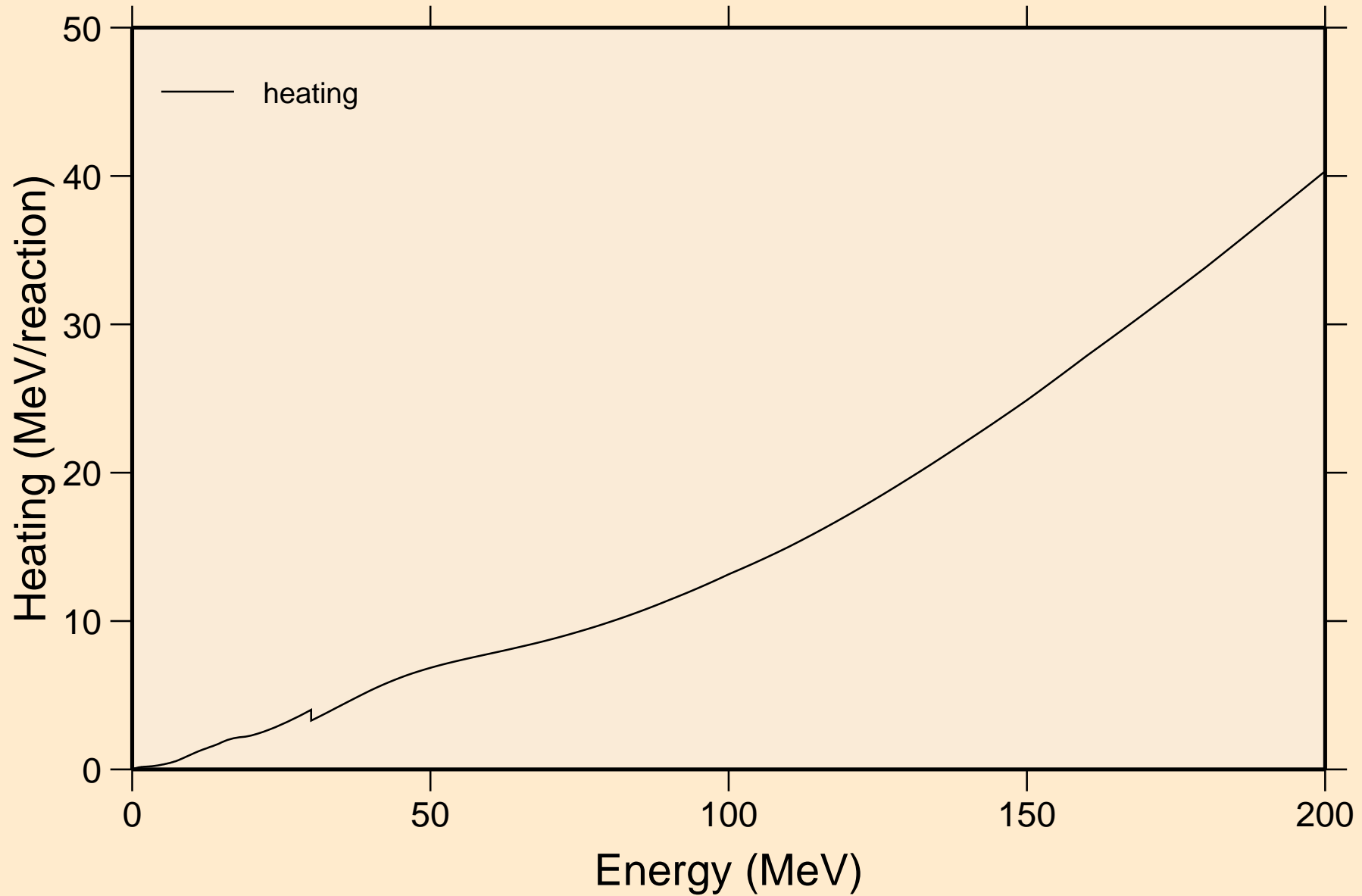
## Principal cross sections



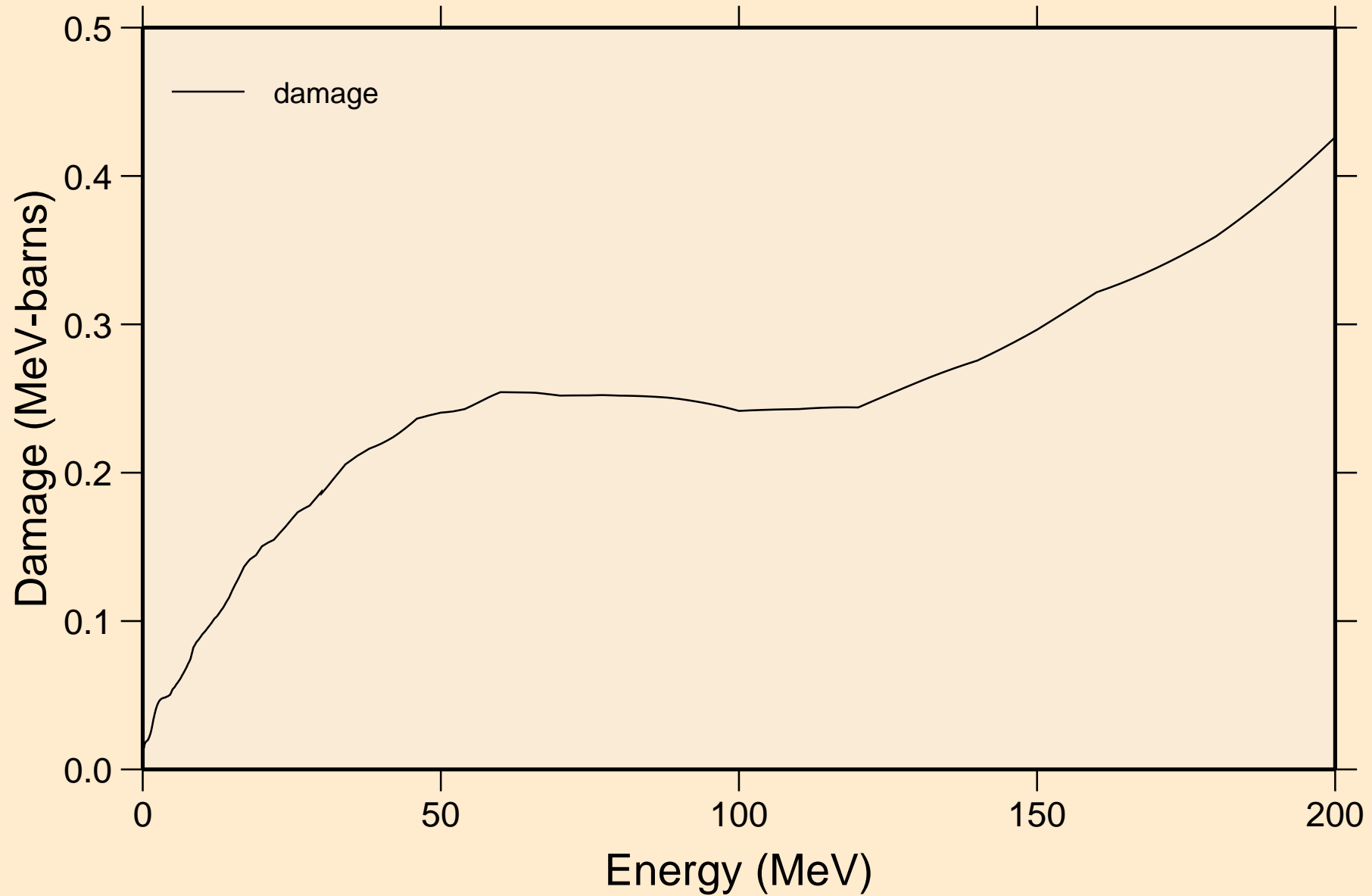


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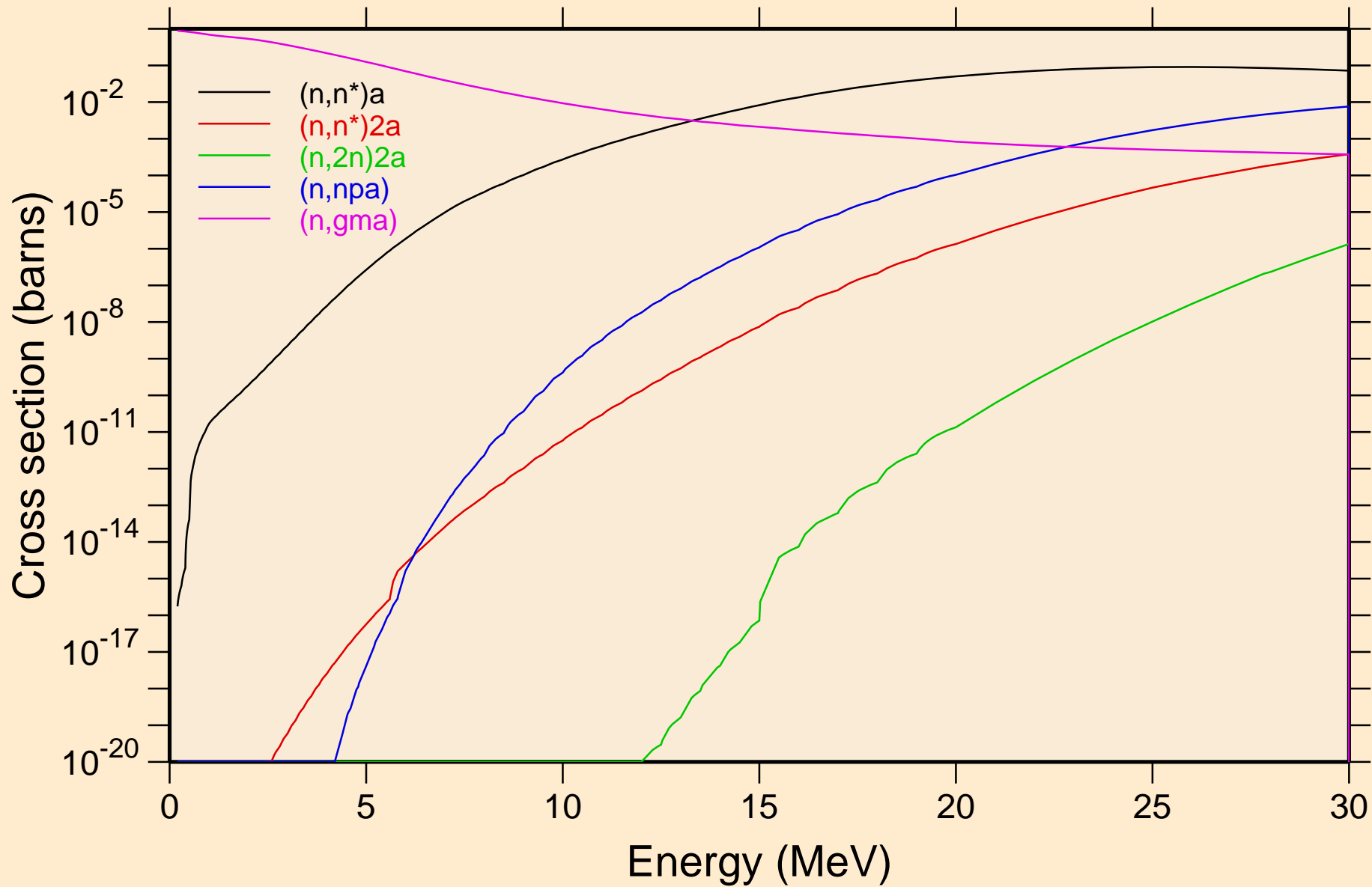
## Heating



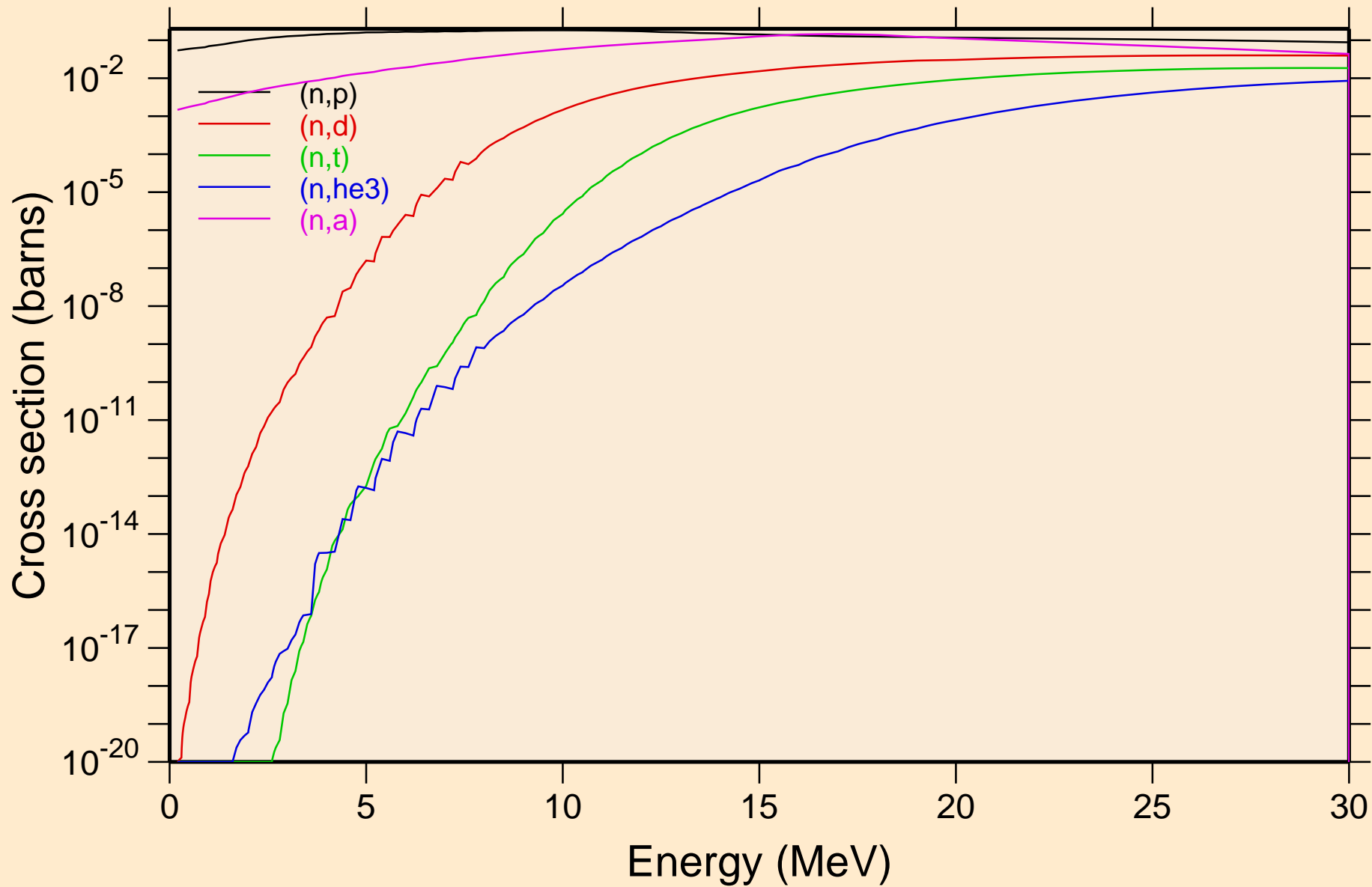
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



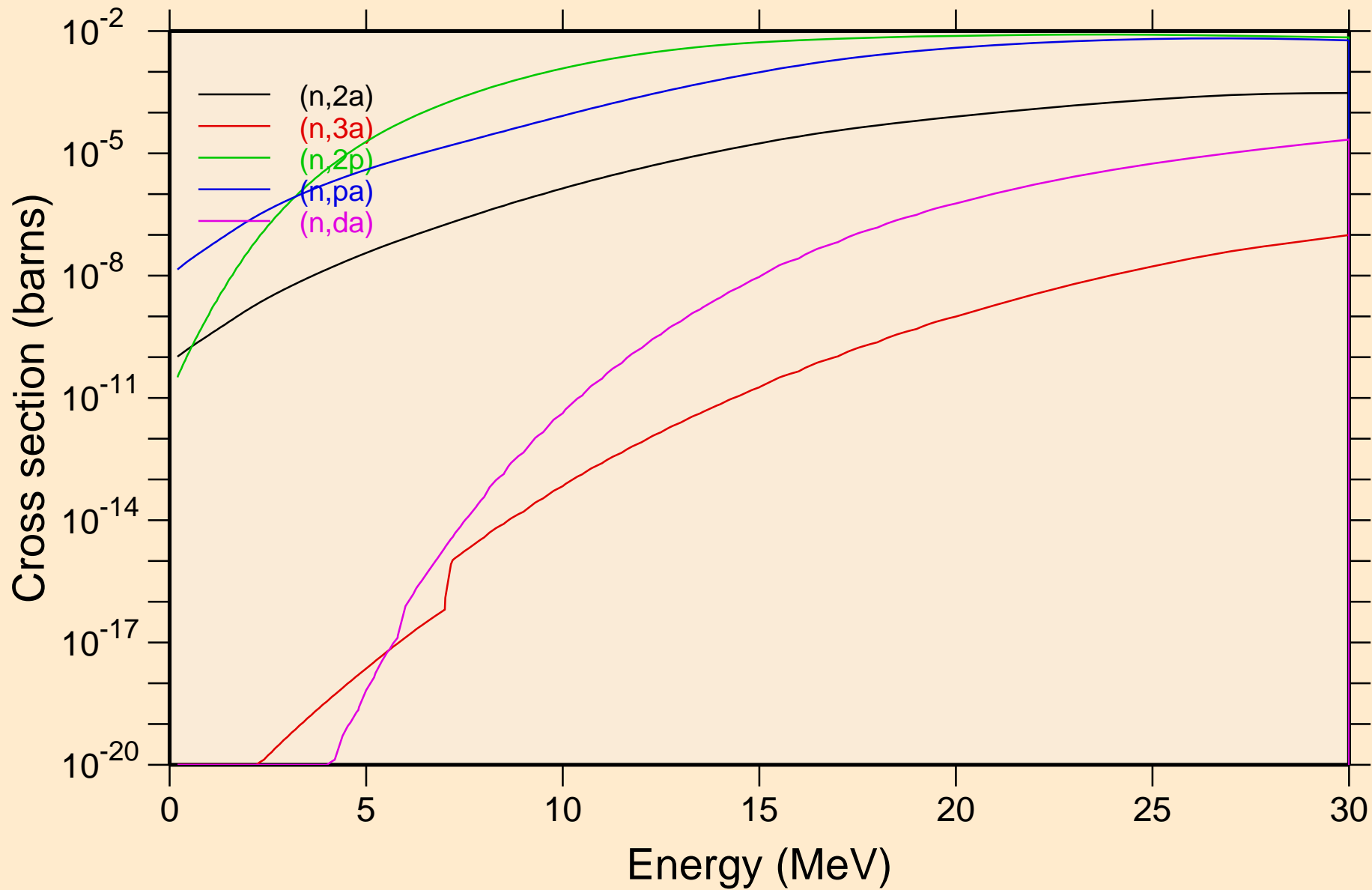
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



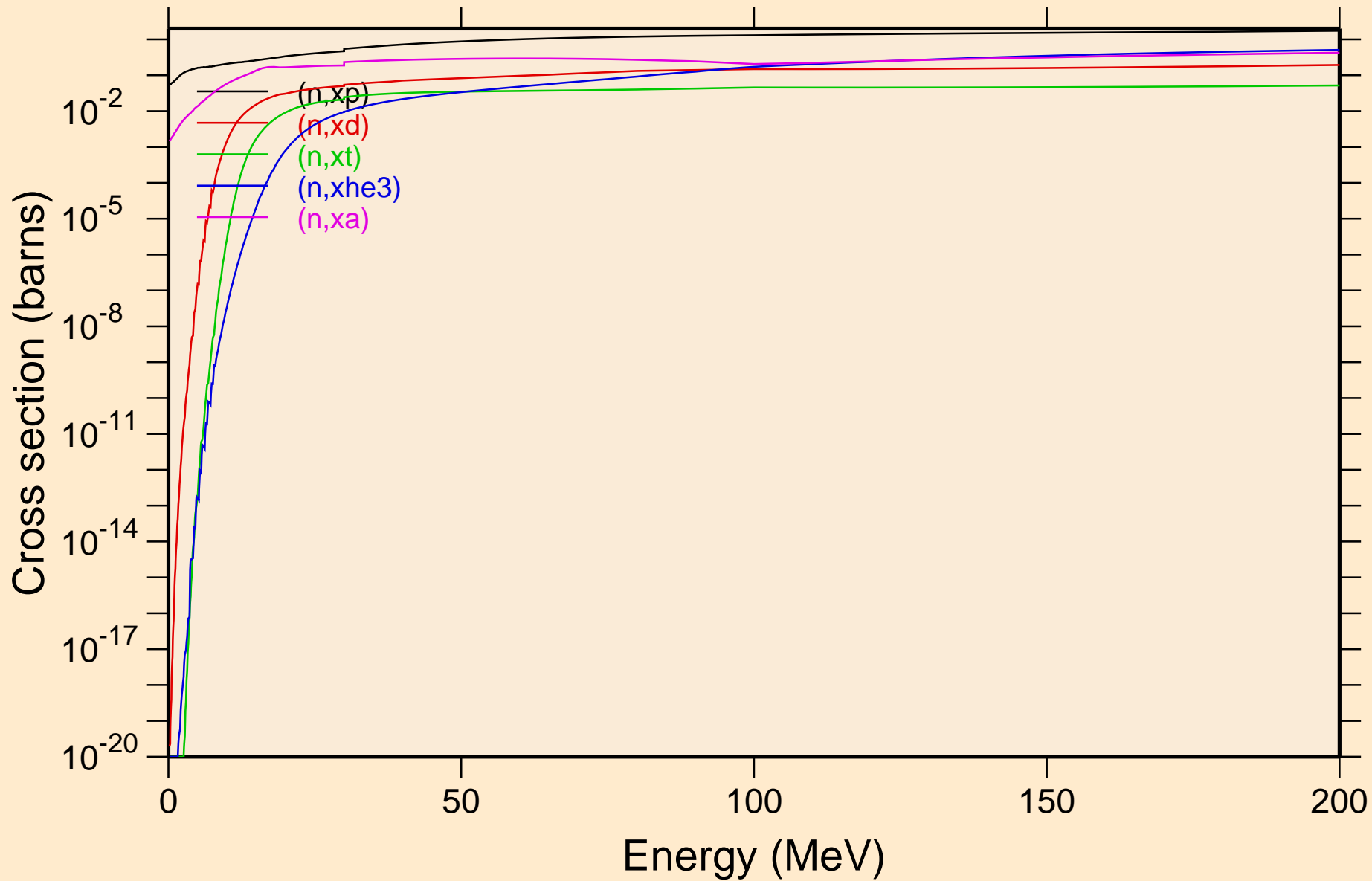
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Non-threshold reactions



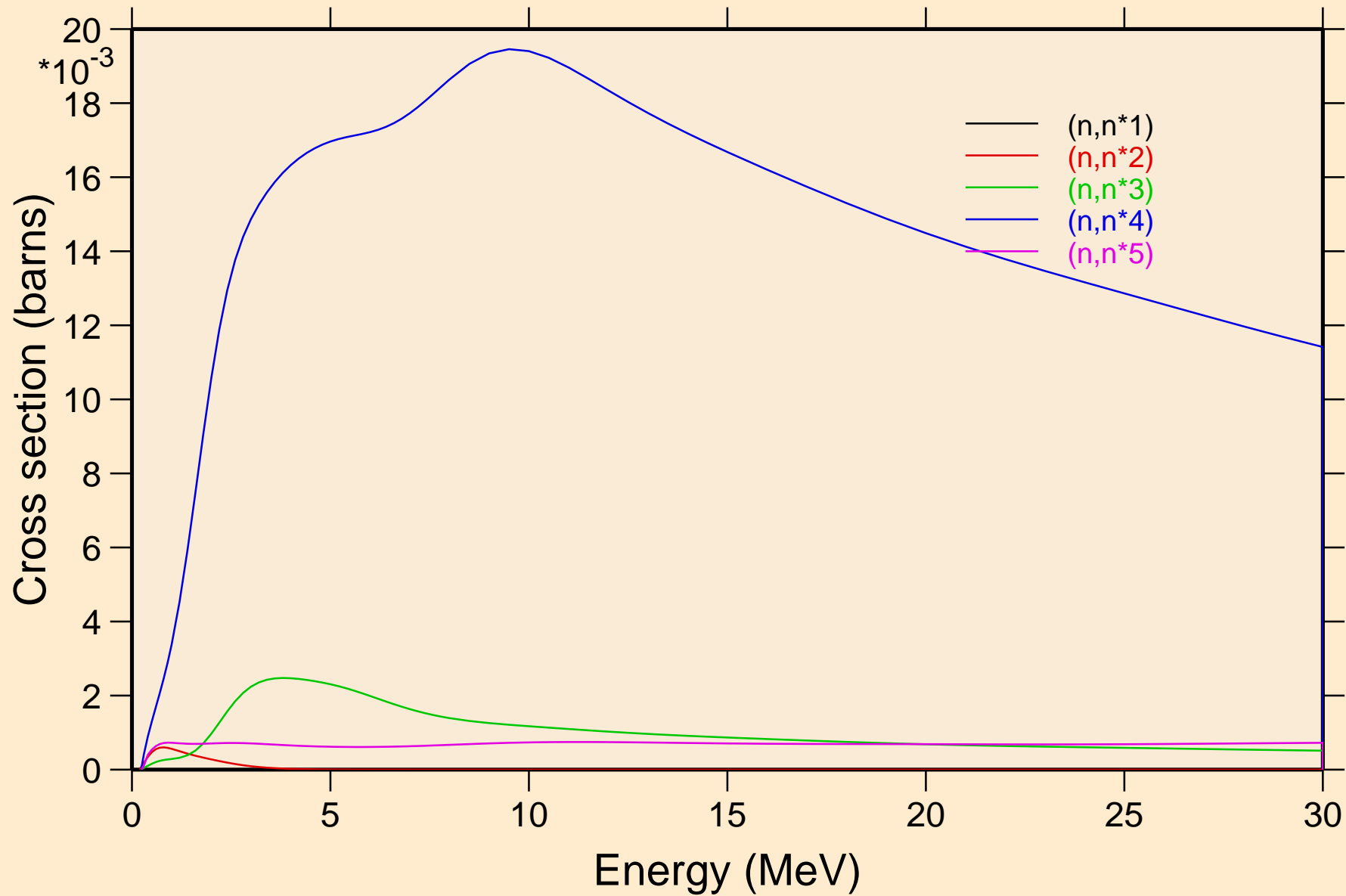
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Non-threshold reactions



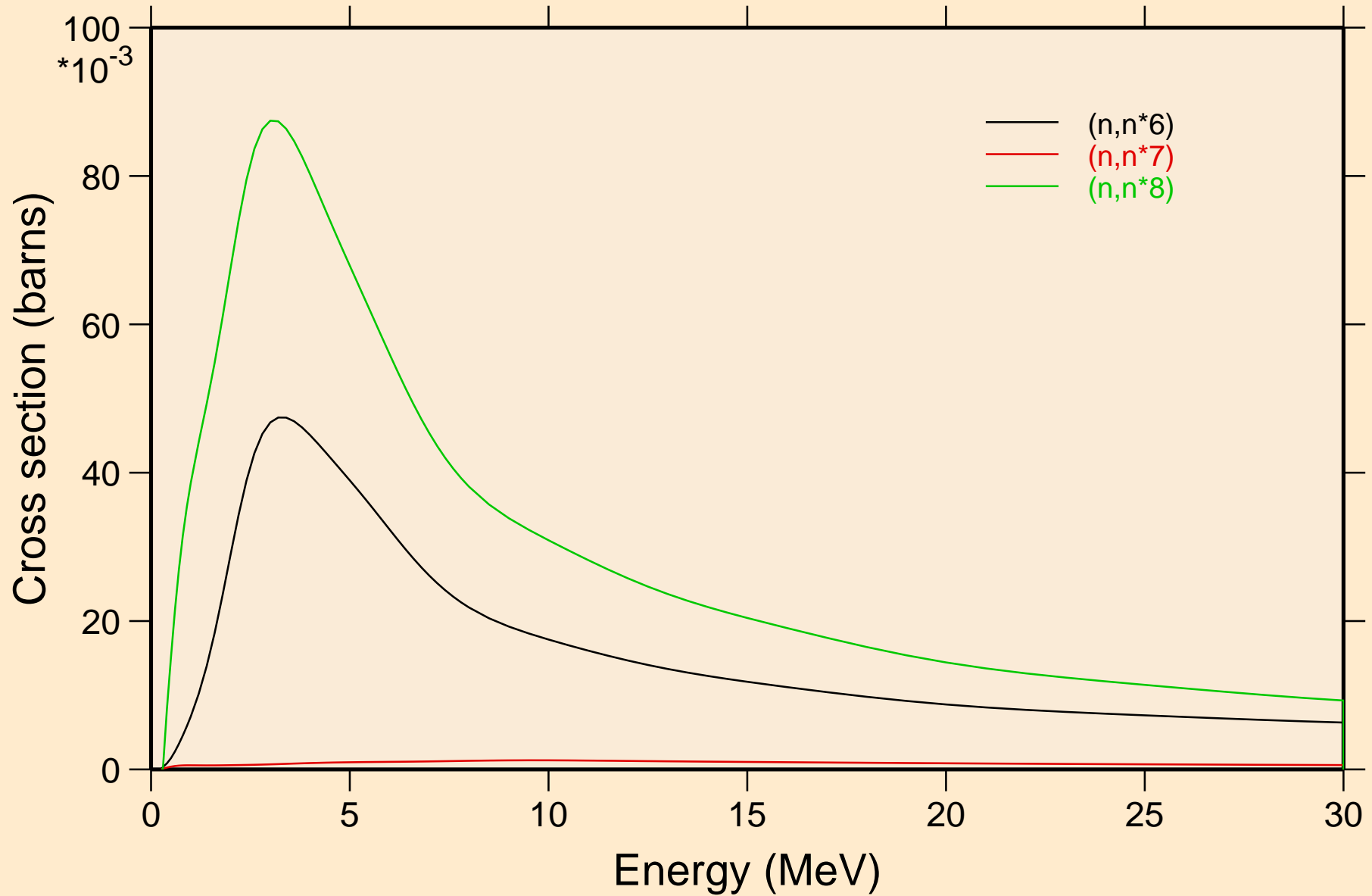
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

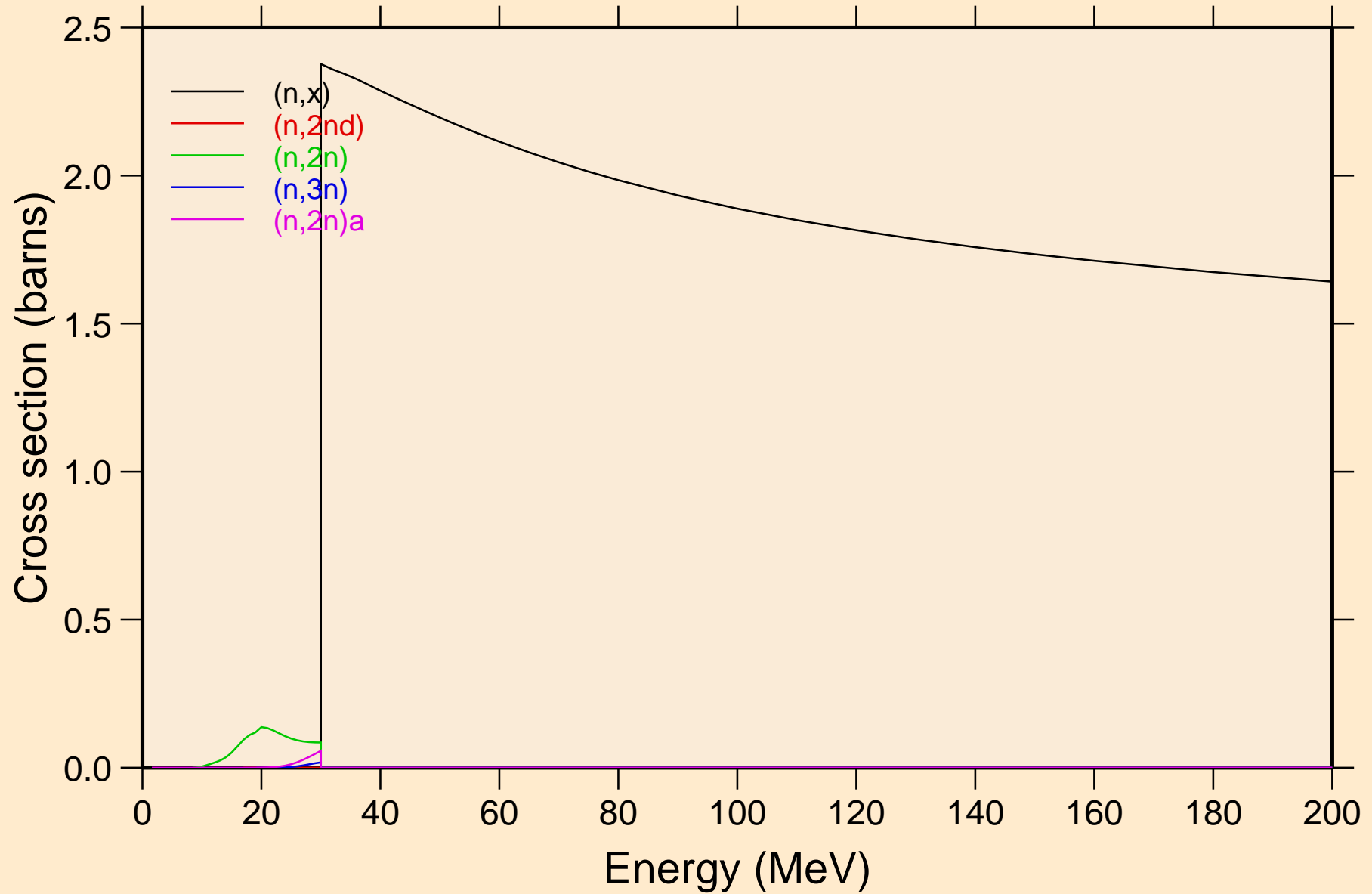


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

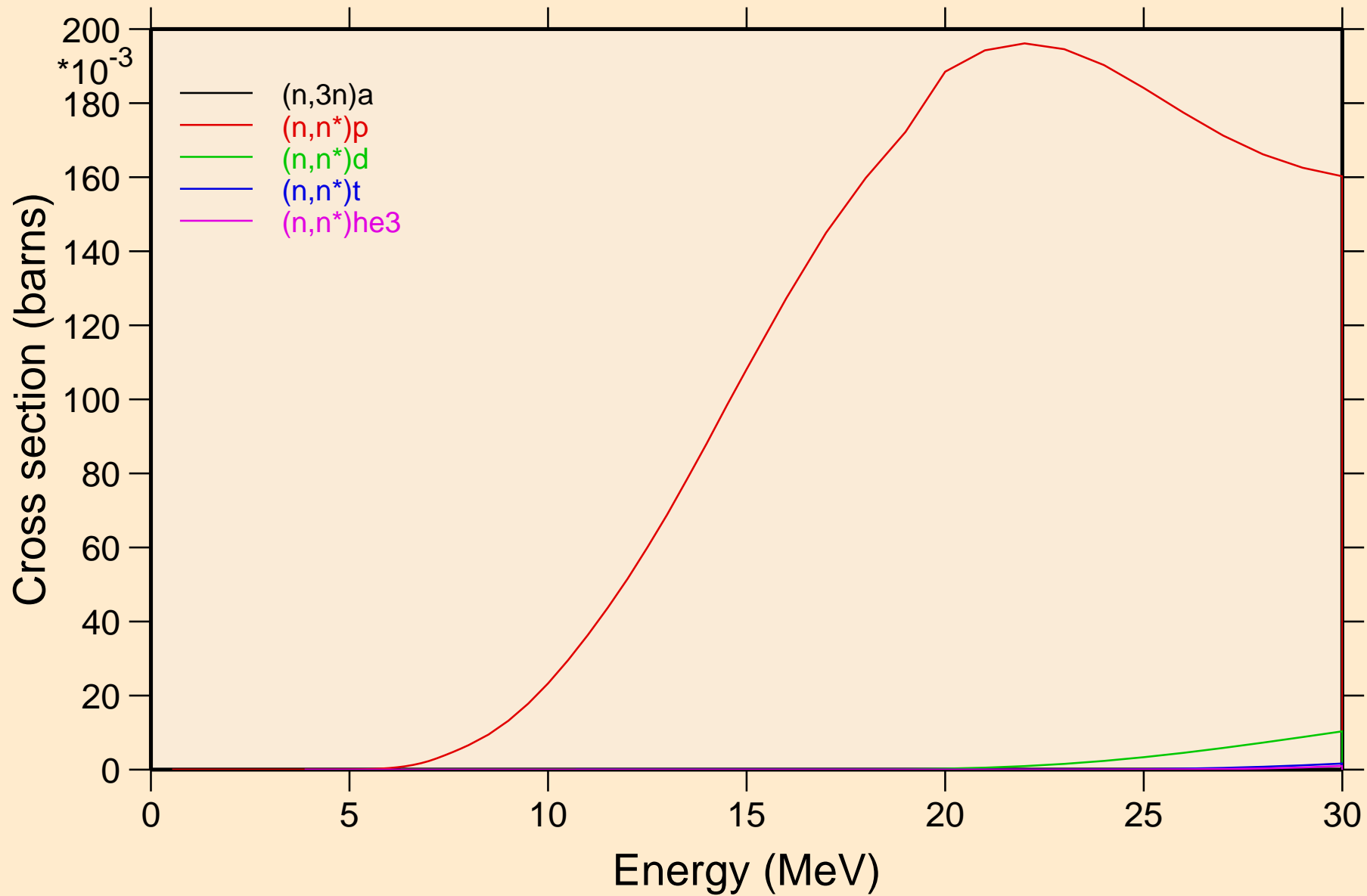




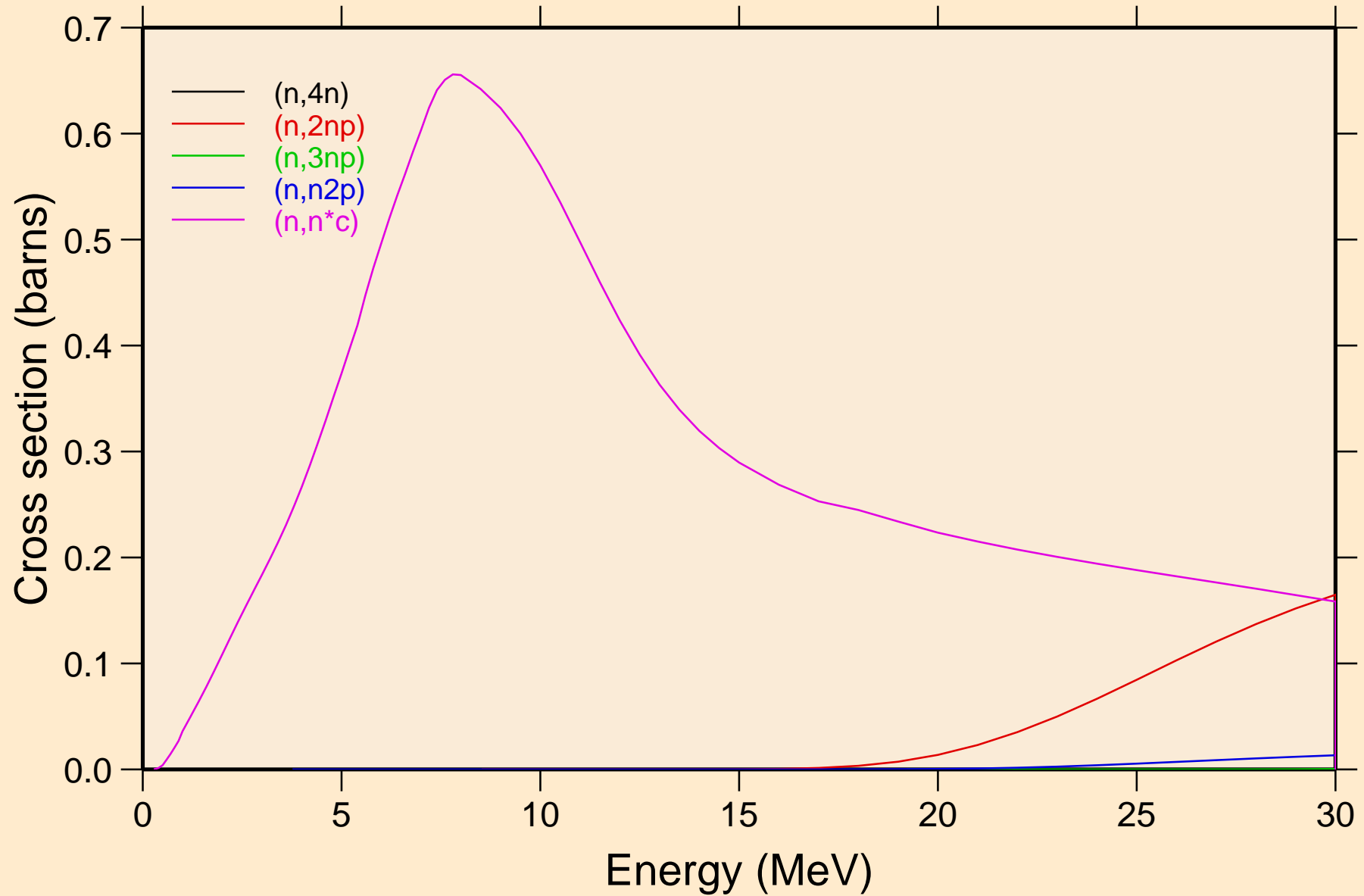
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Threshold reactions



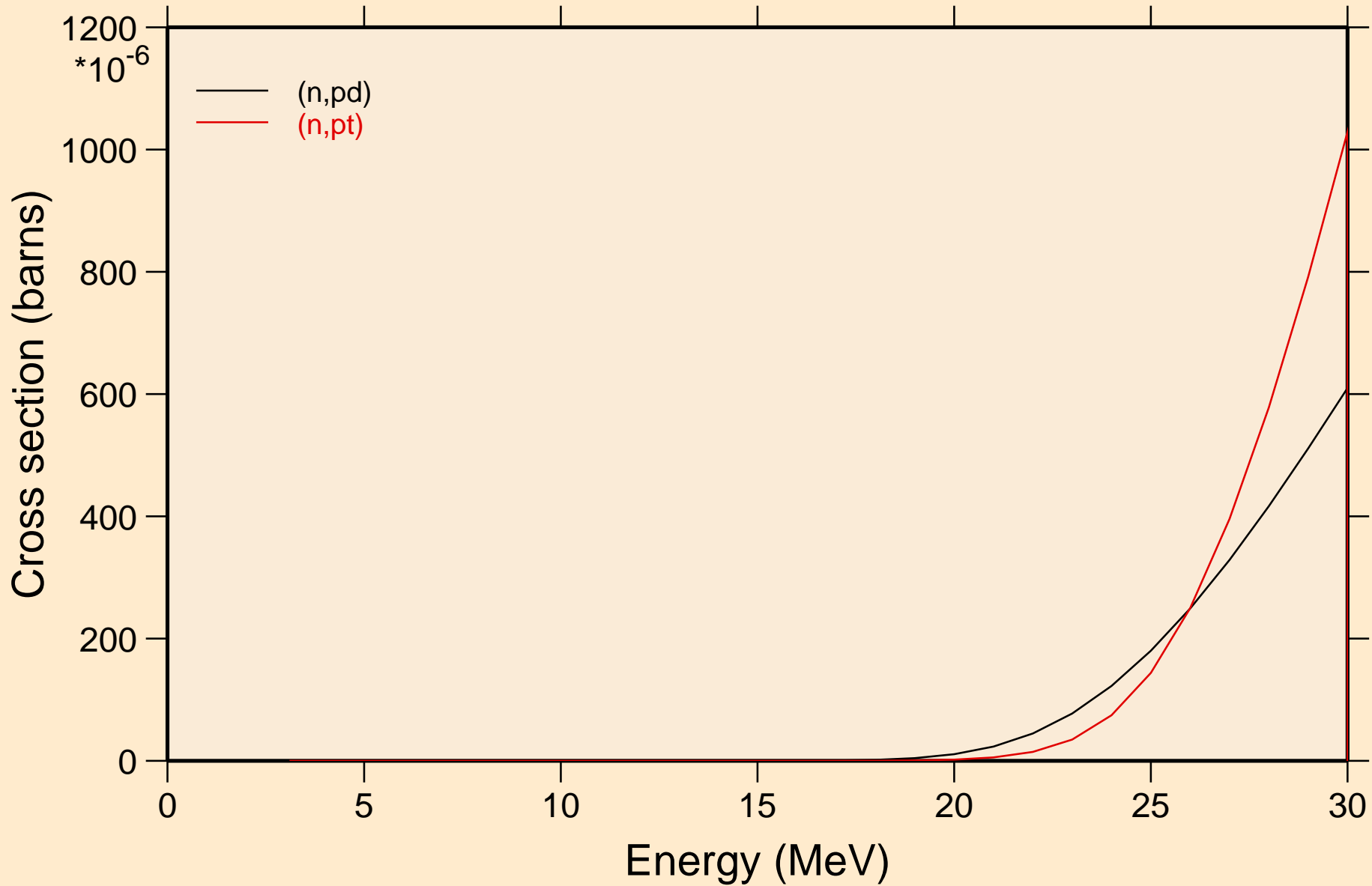
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



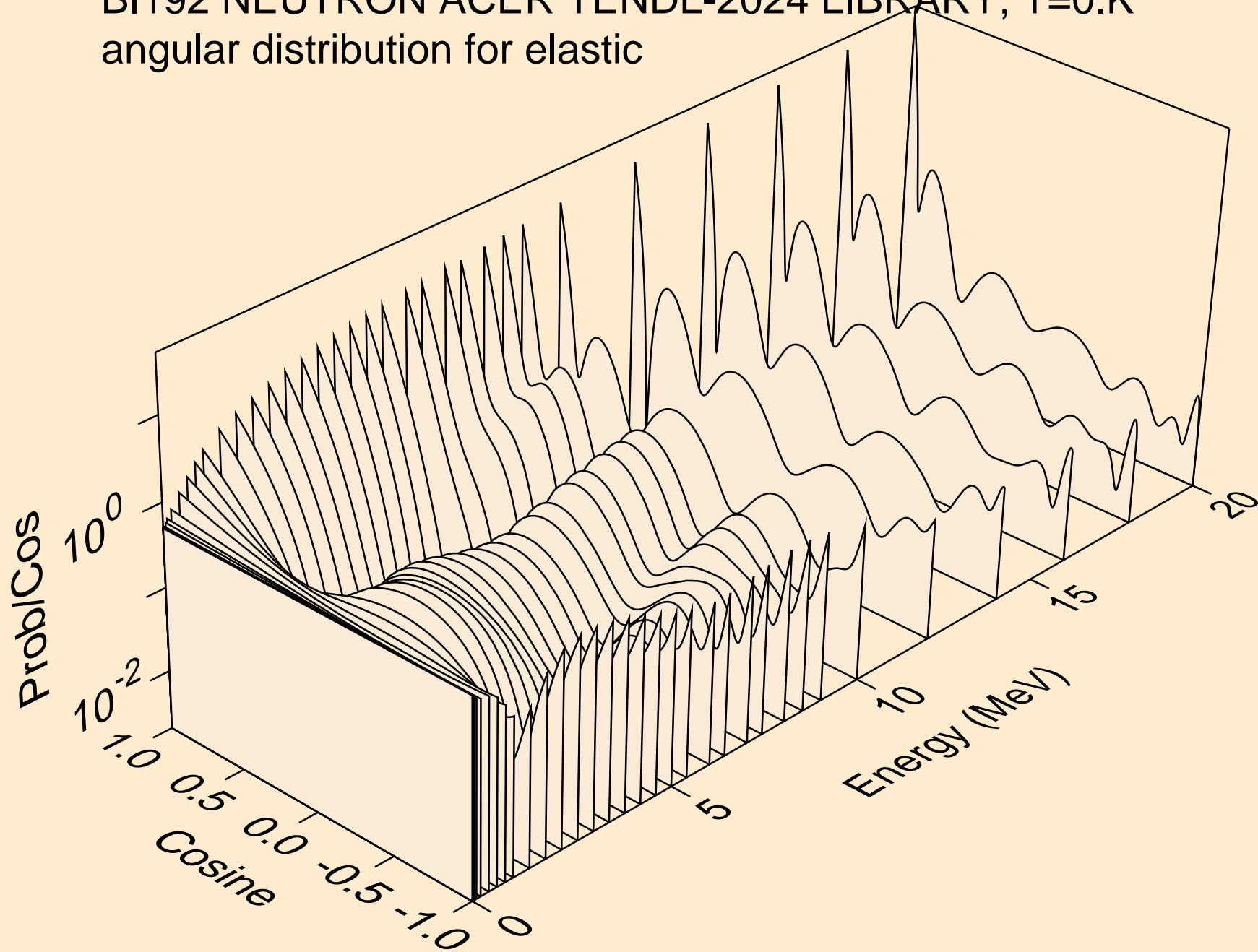
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



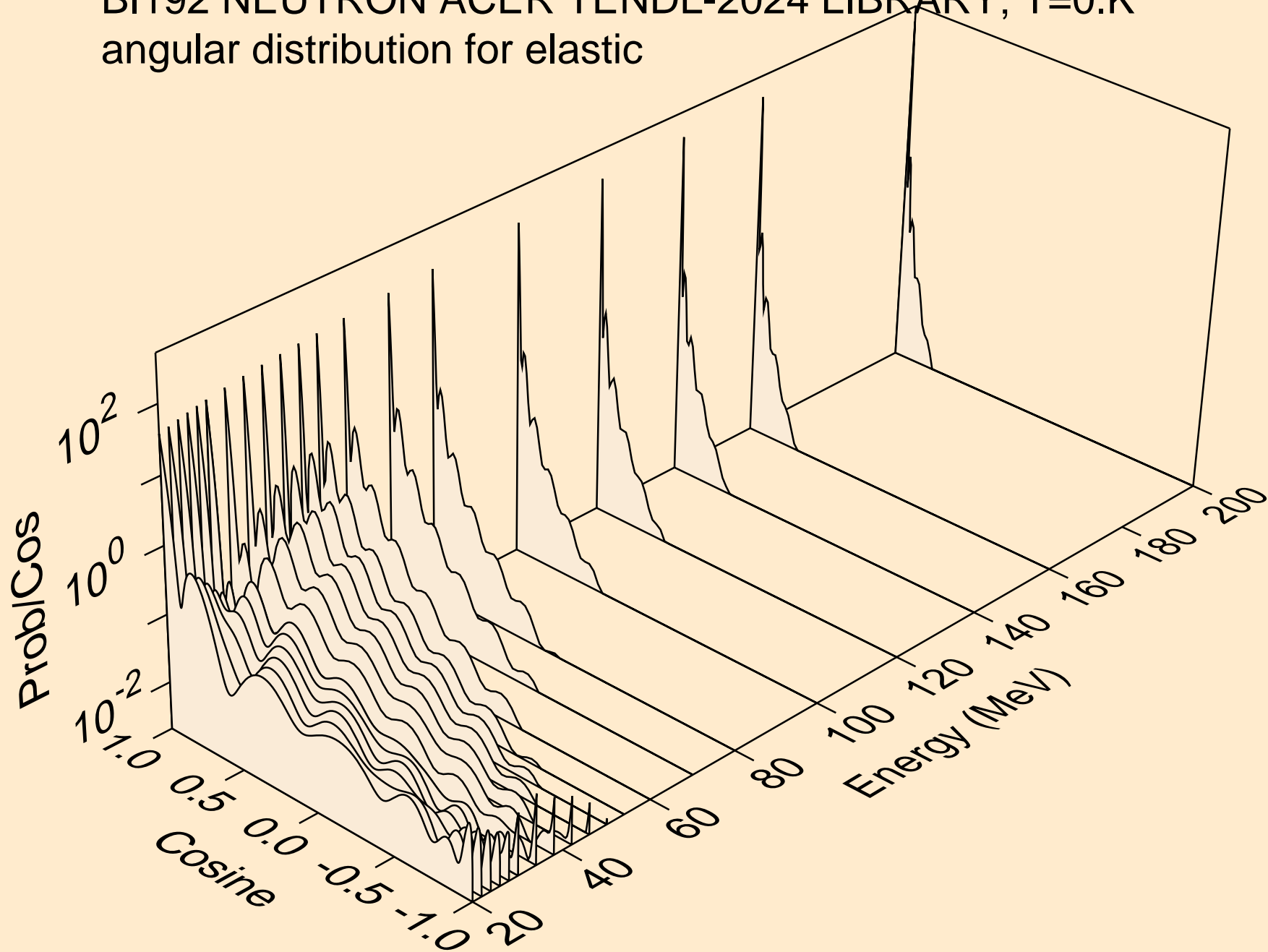
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



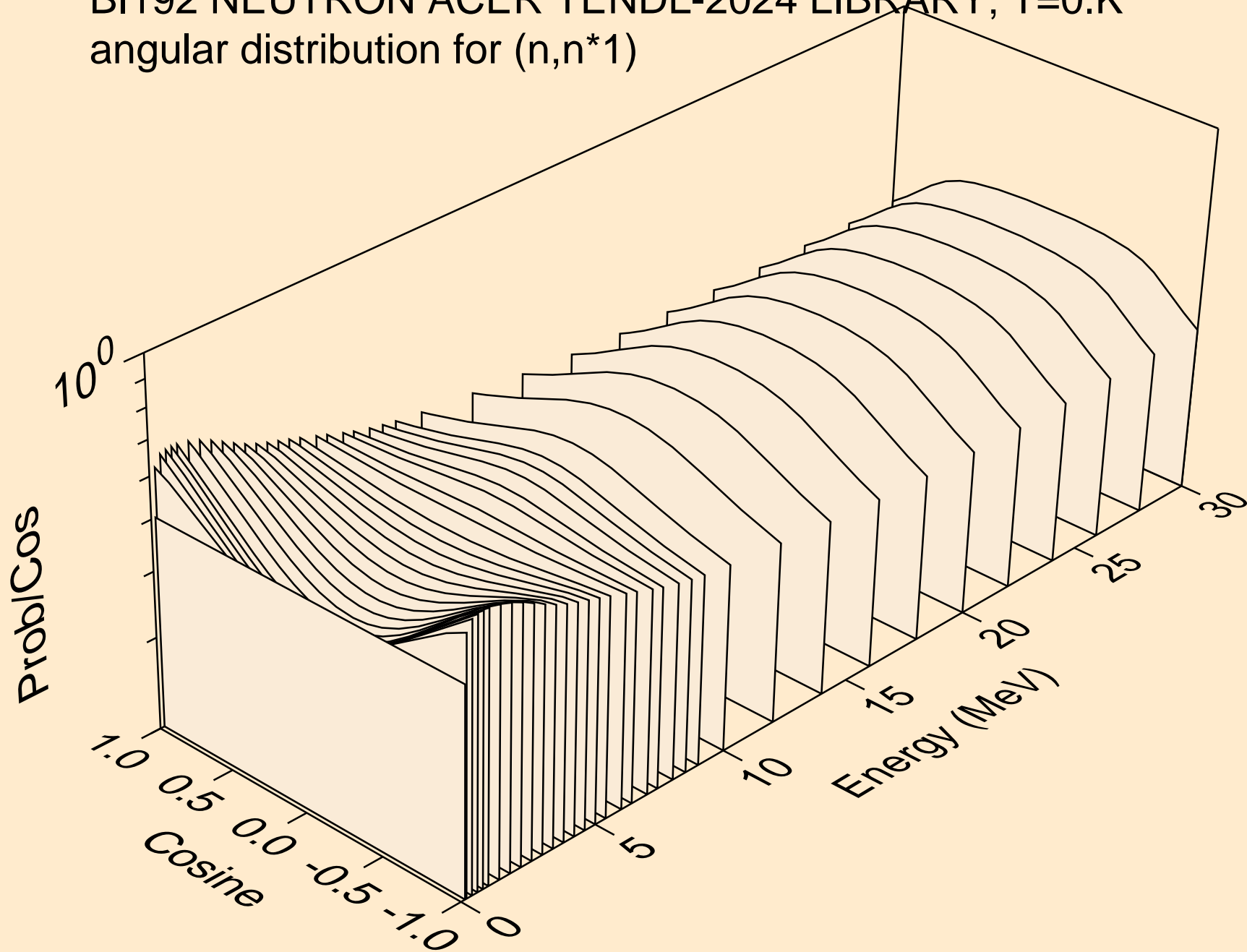
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



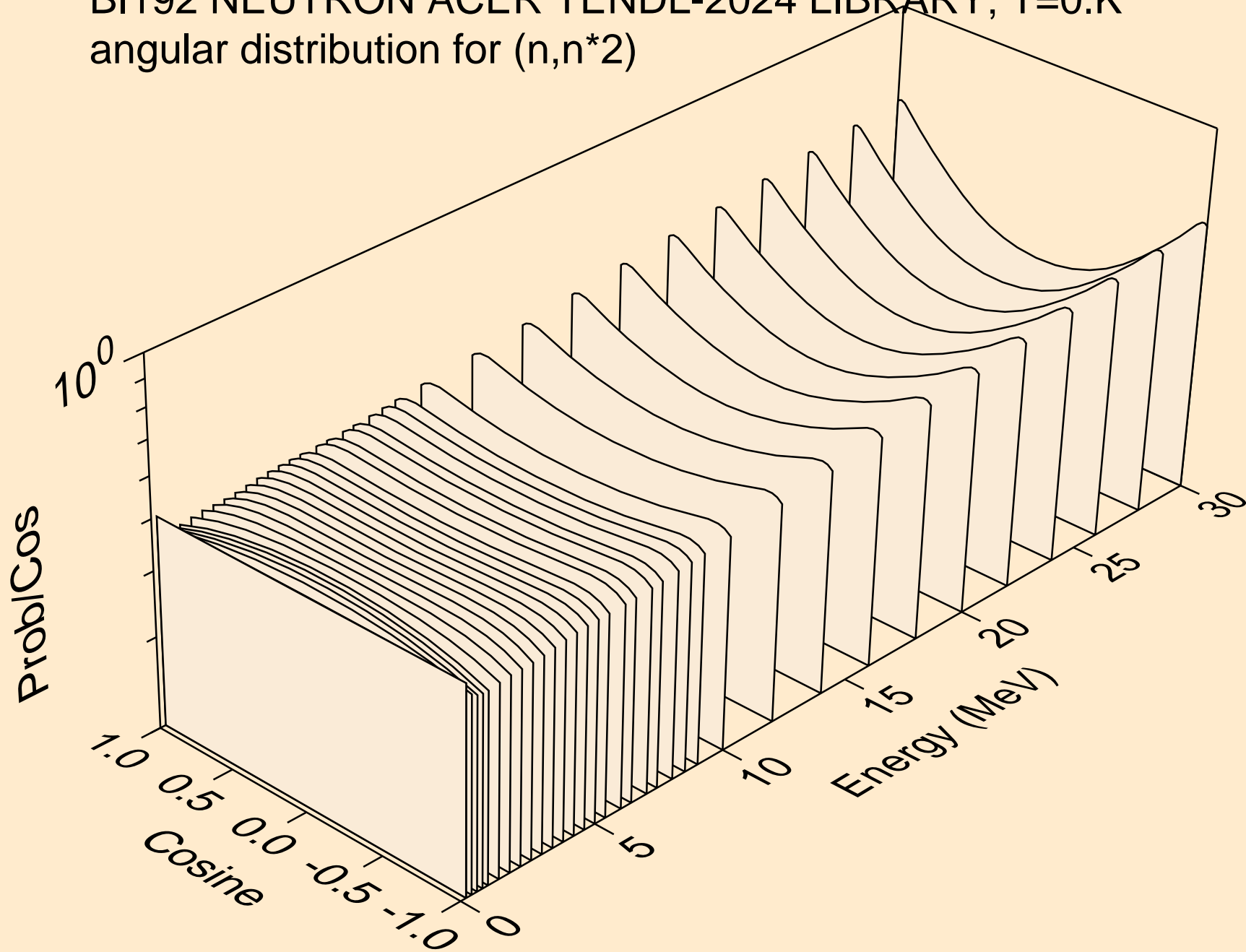
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

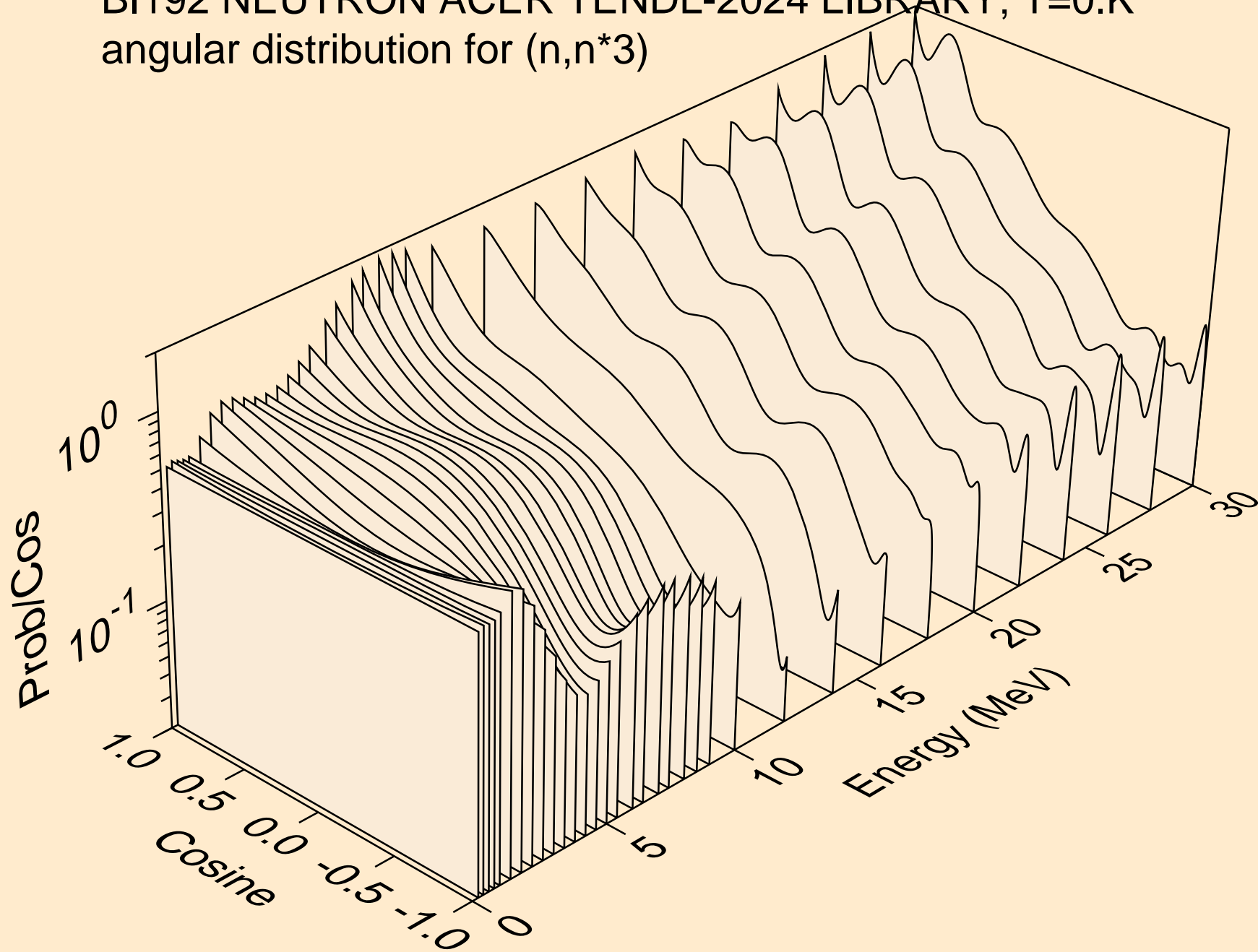


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

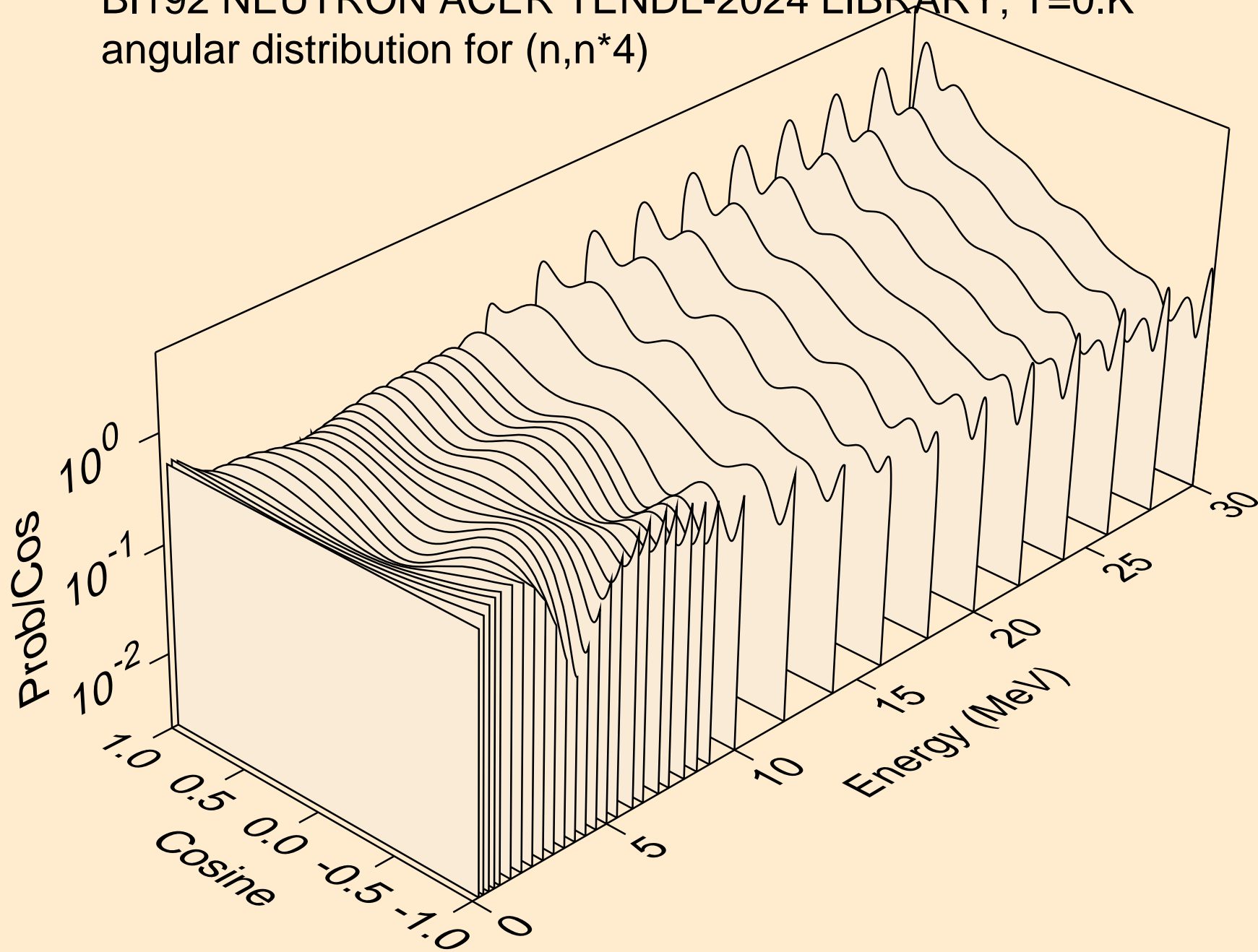




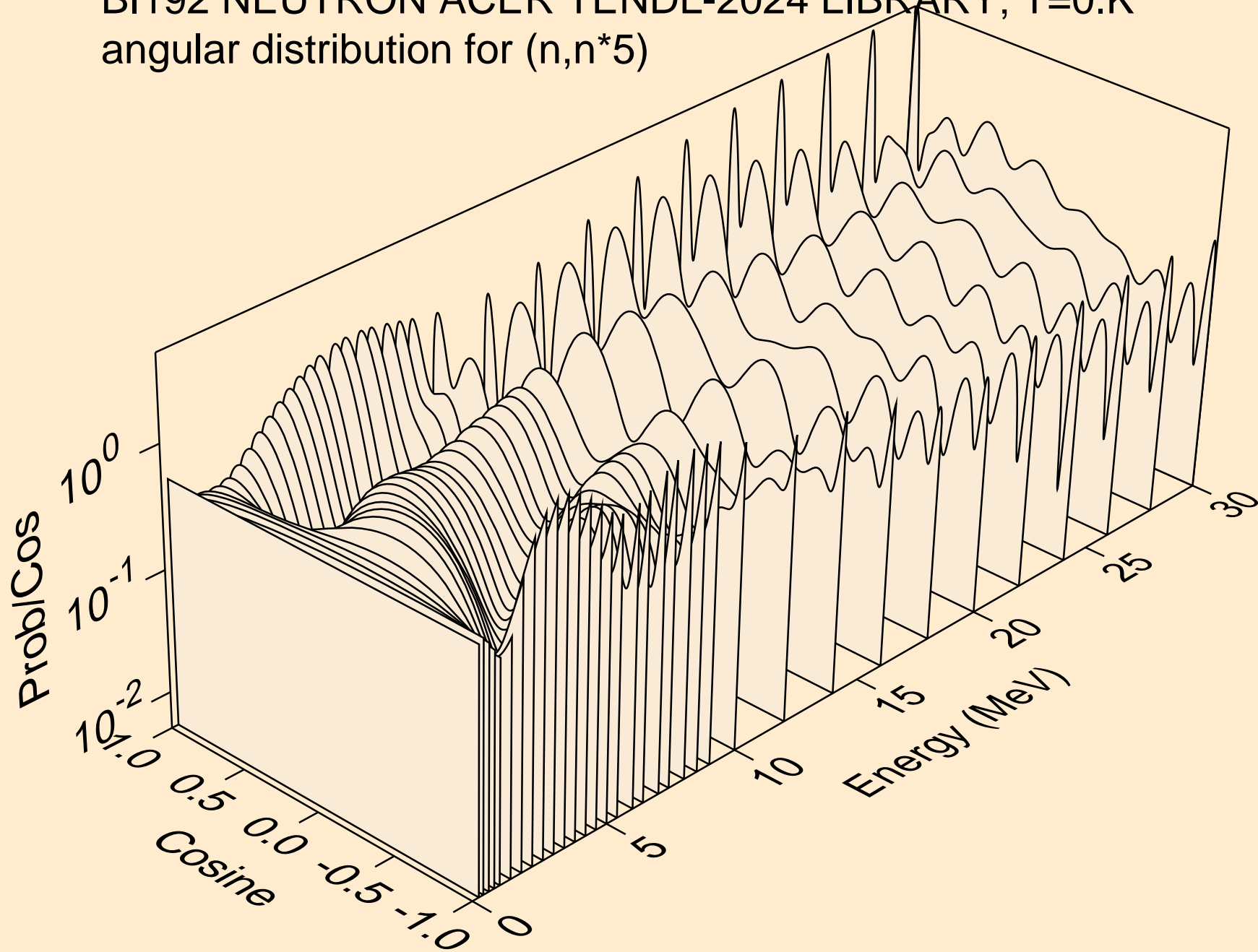
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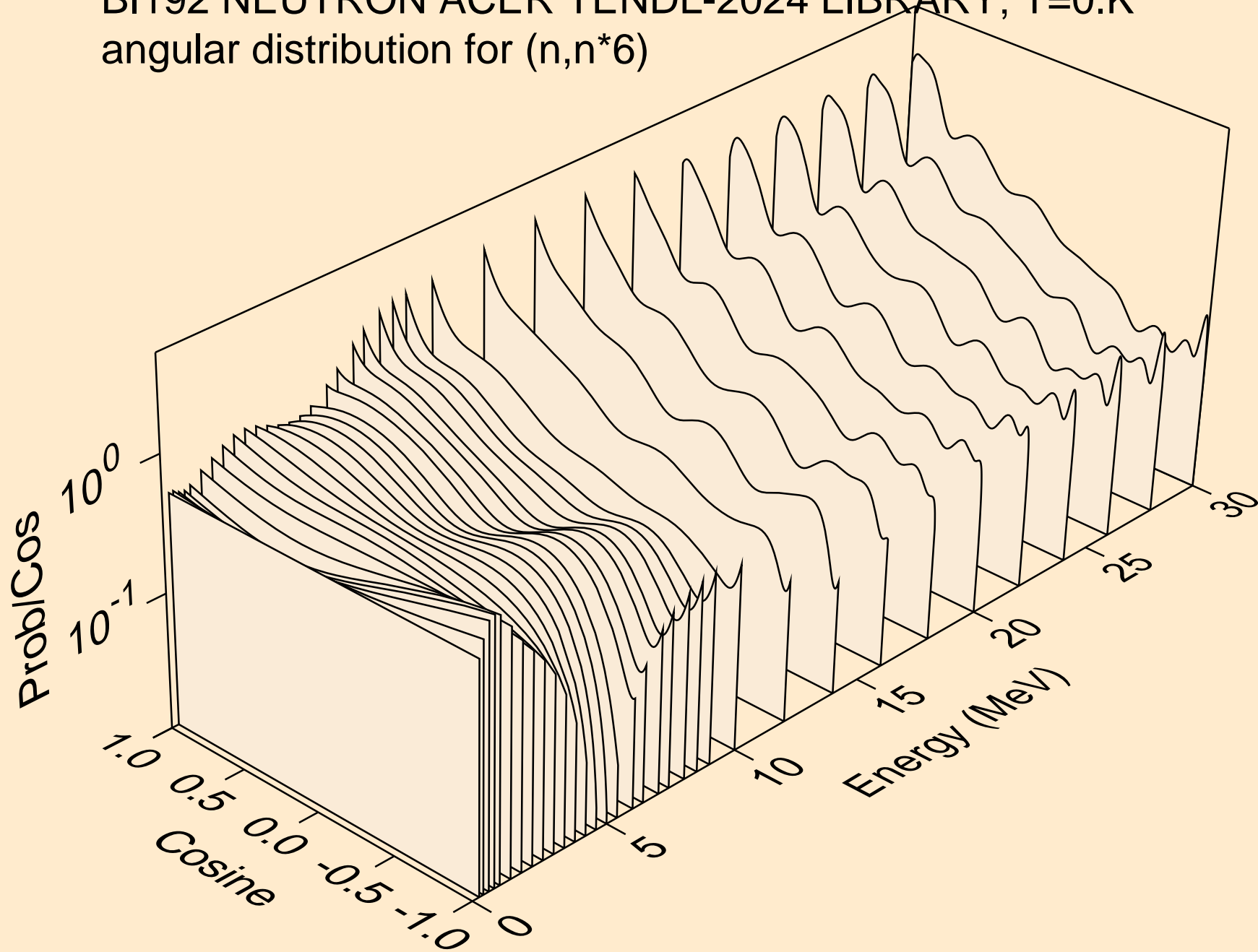
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angular distribution for (n,n\*4)



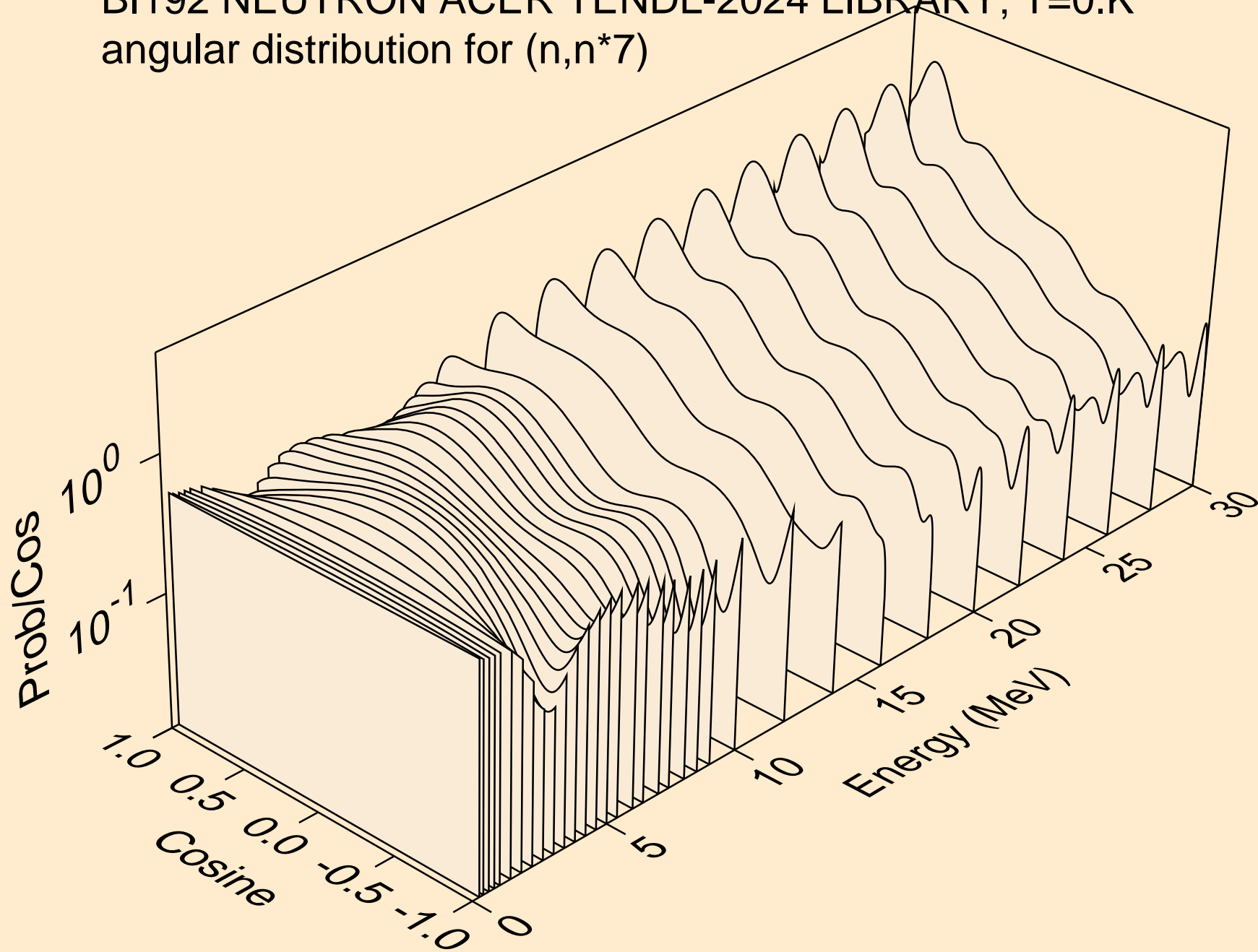
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angular distribution for (n,n\*5)



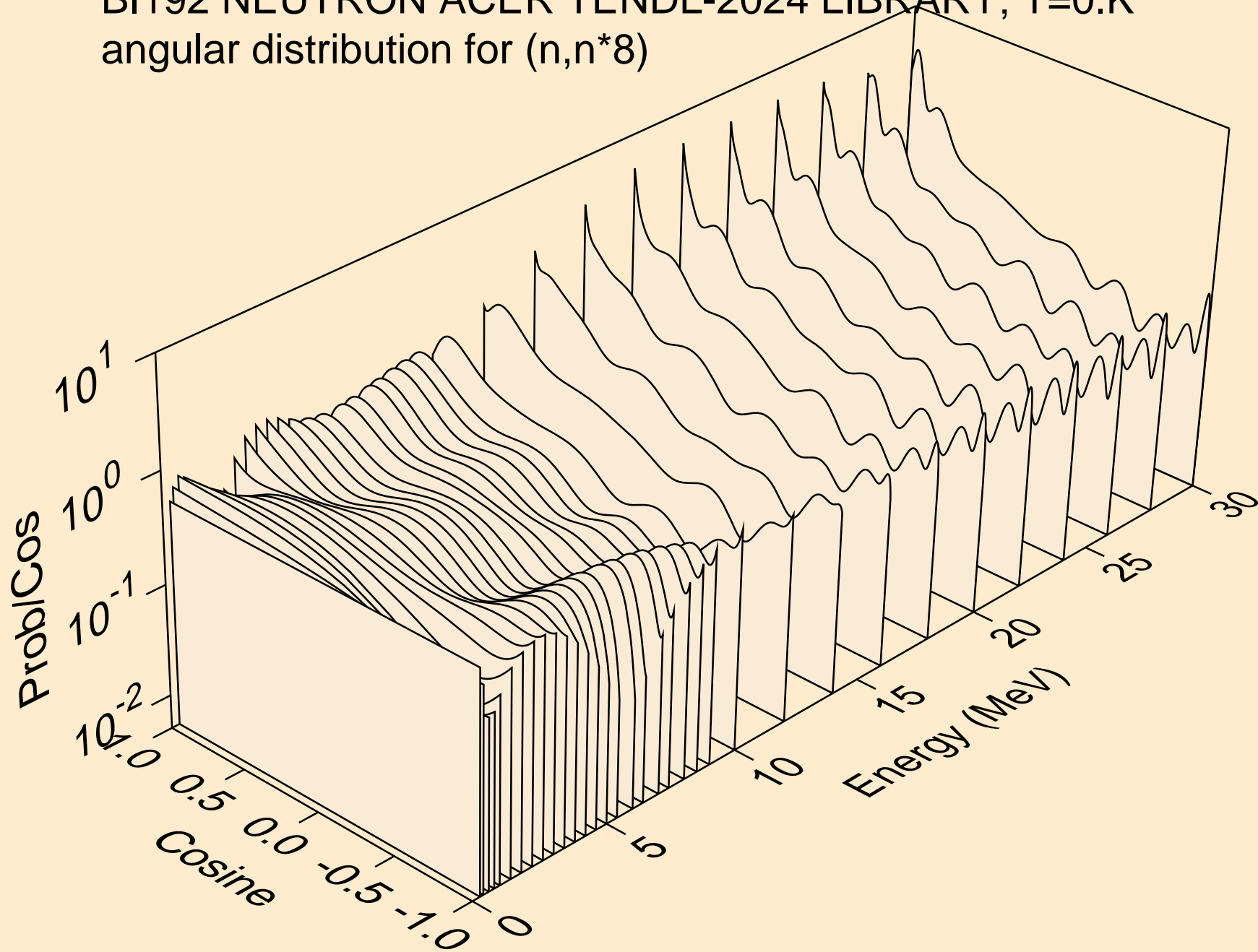
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angular distribution for (n,n\*6)



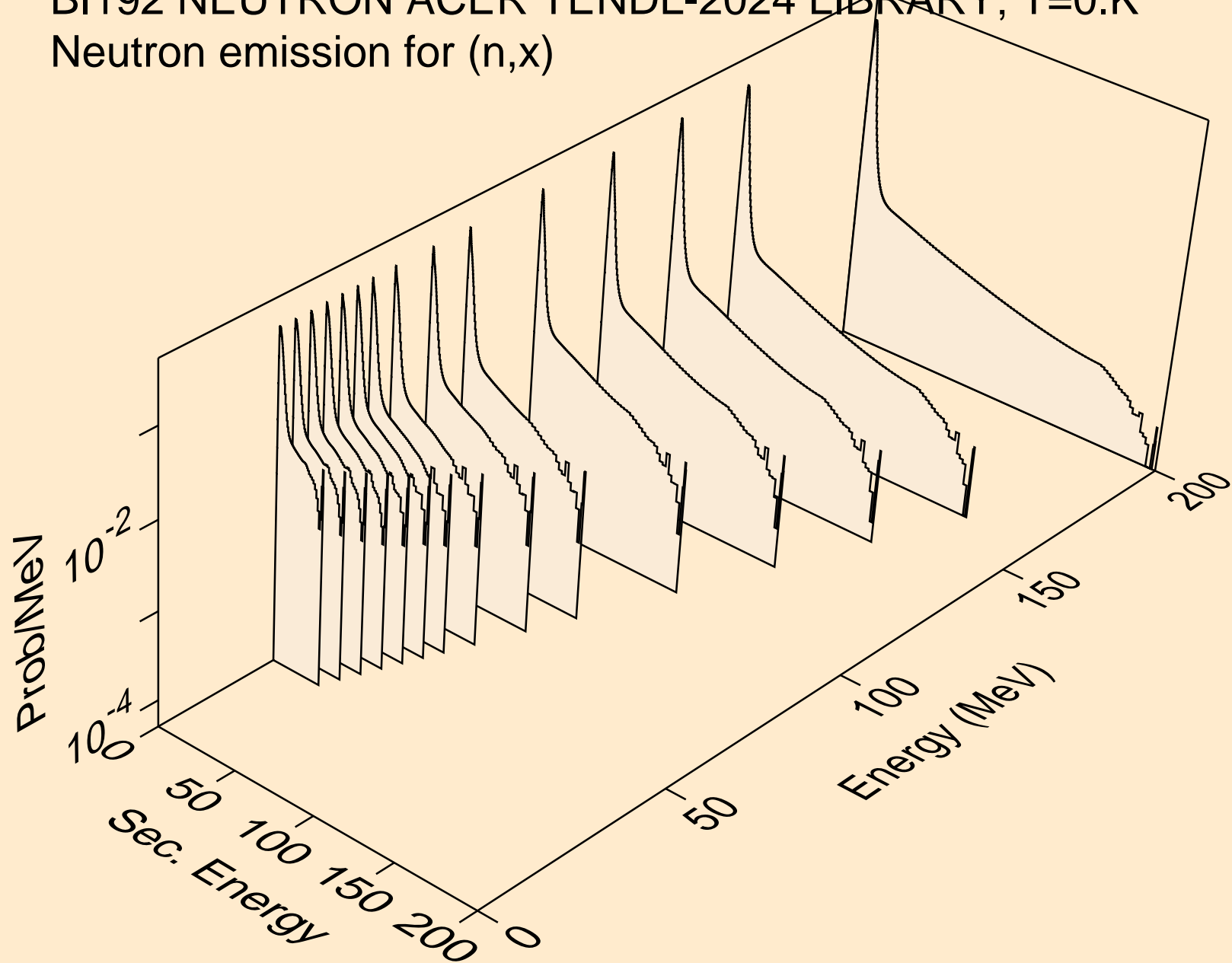
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angular distribution for (n,n\*7)



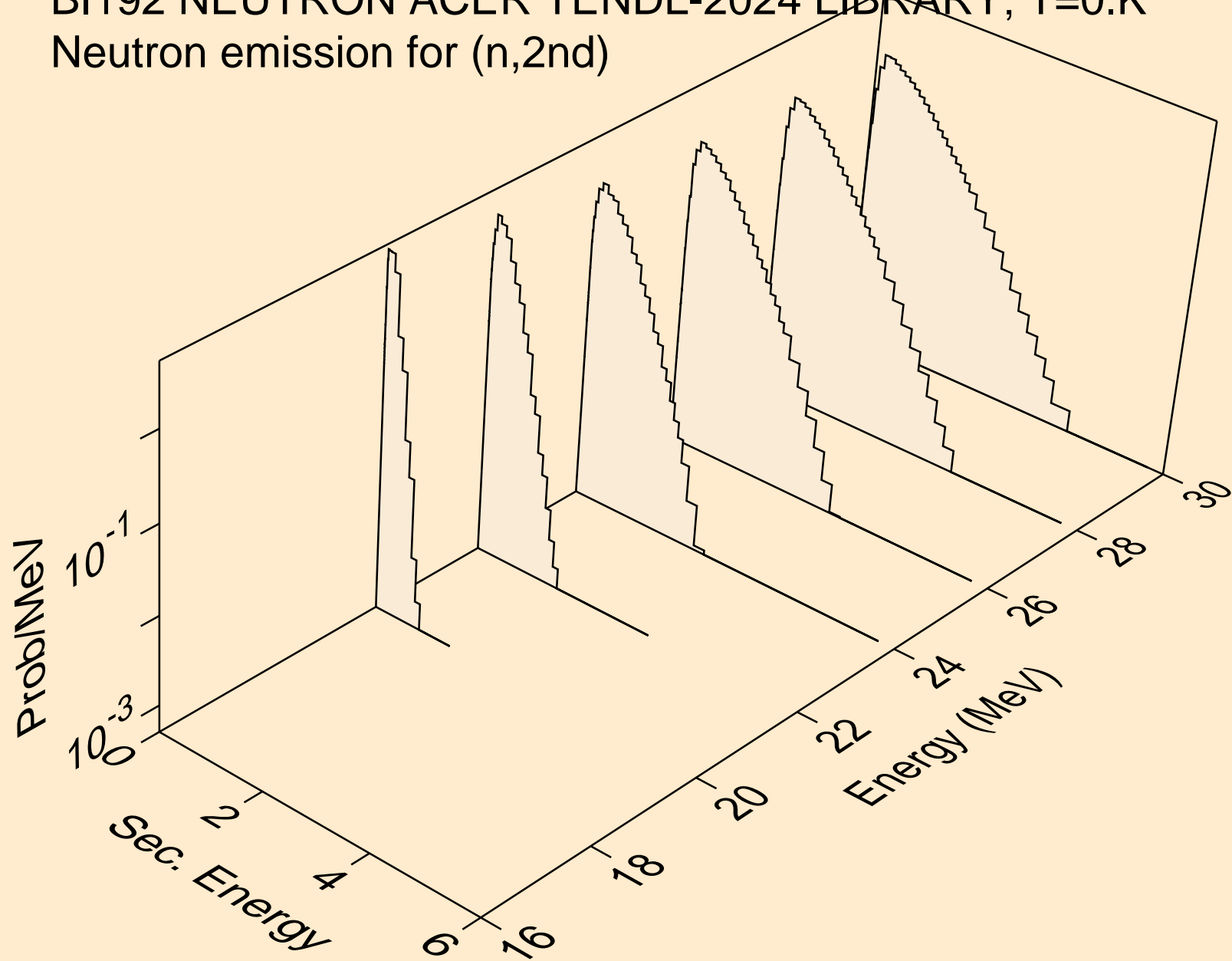
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

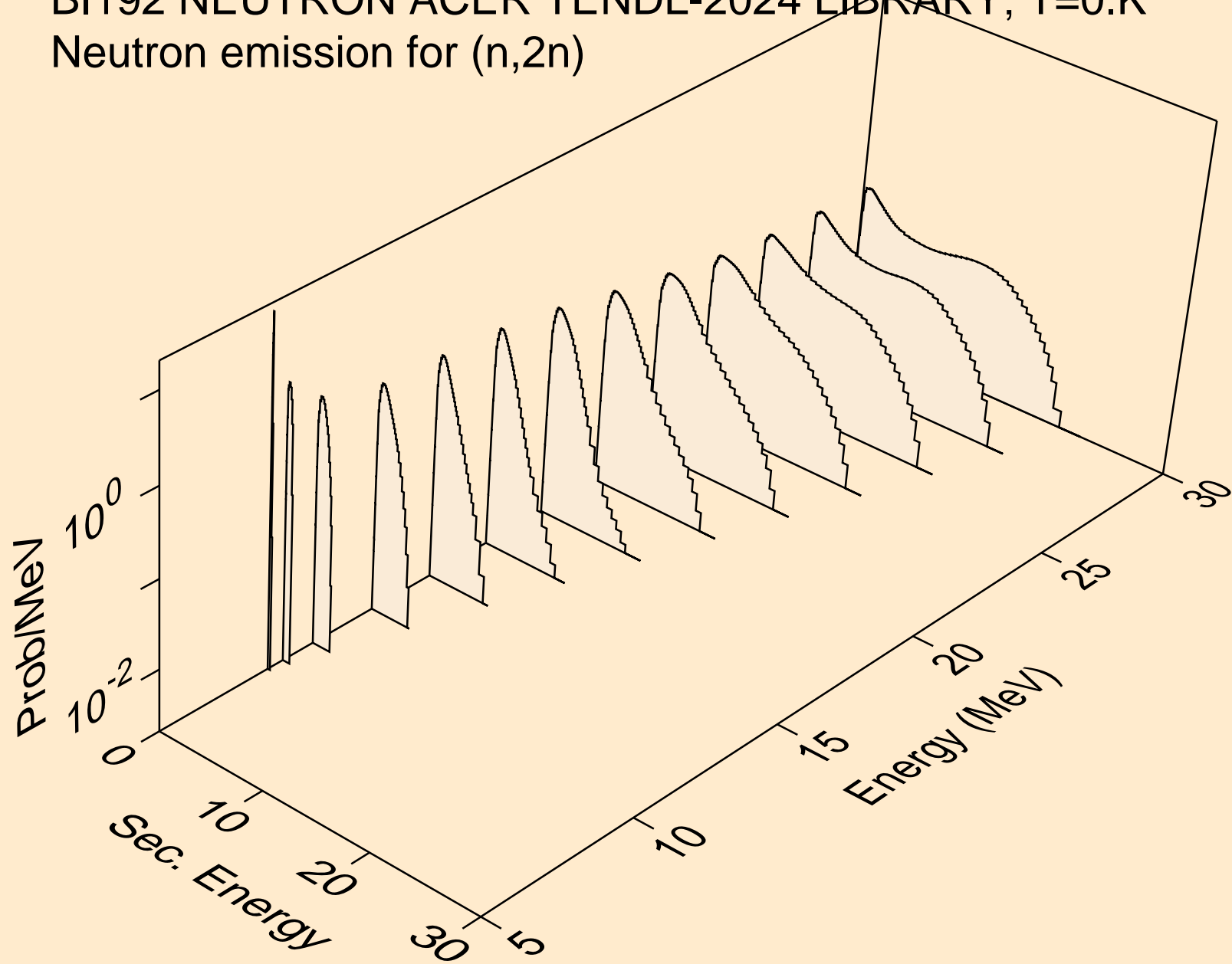


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

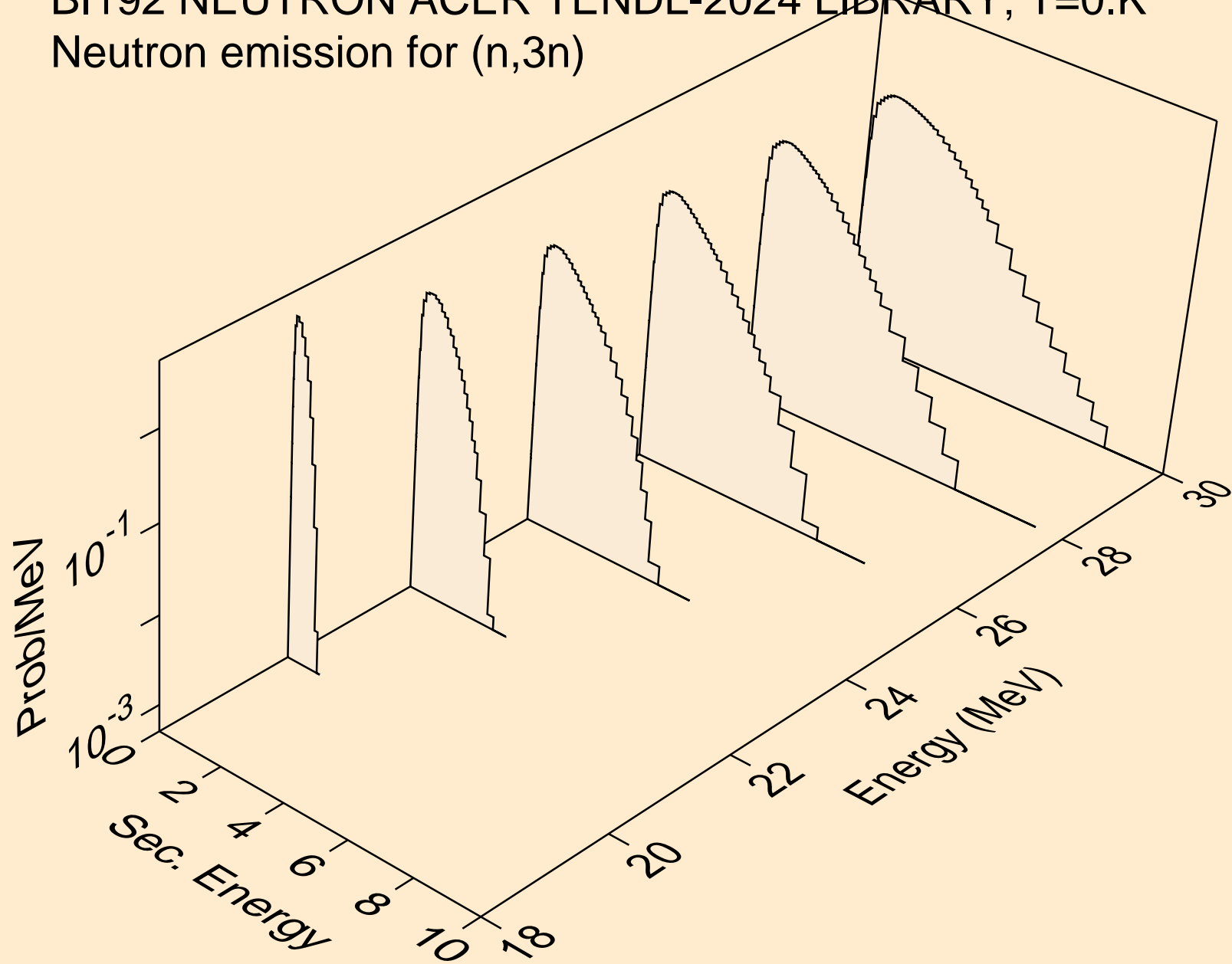




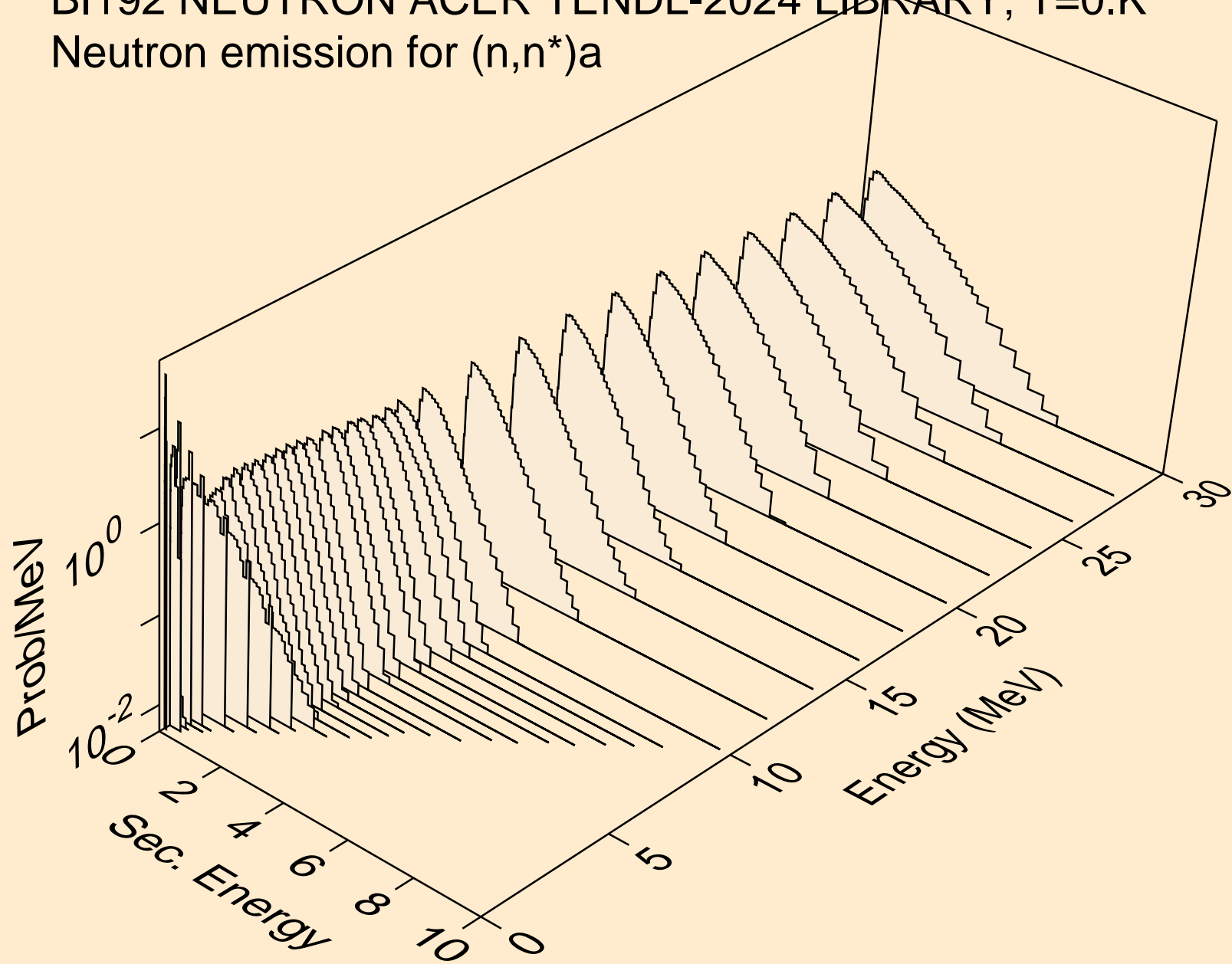
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Neutron emission for (n,2n)



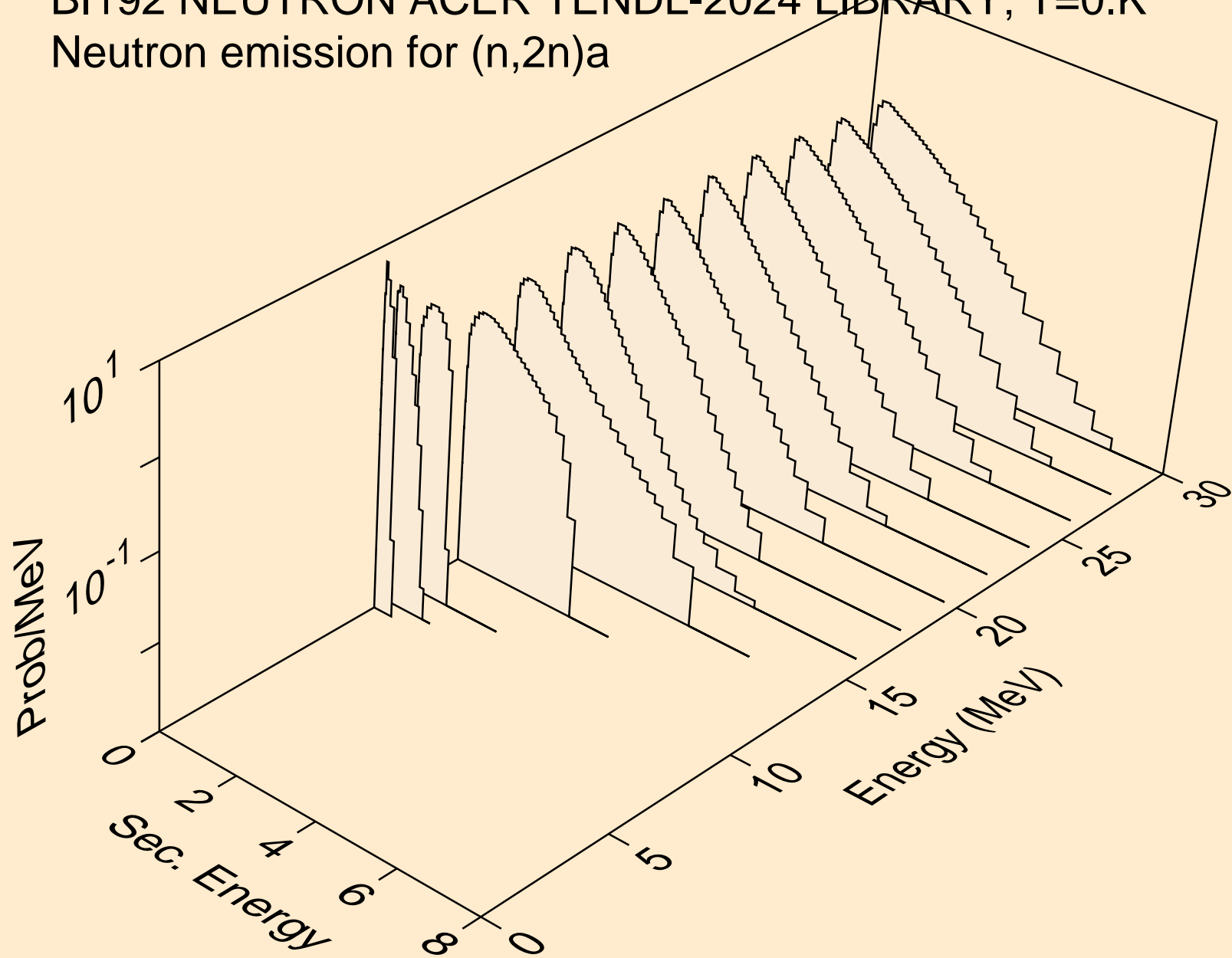
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Neutron emission for (n,3n)



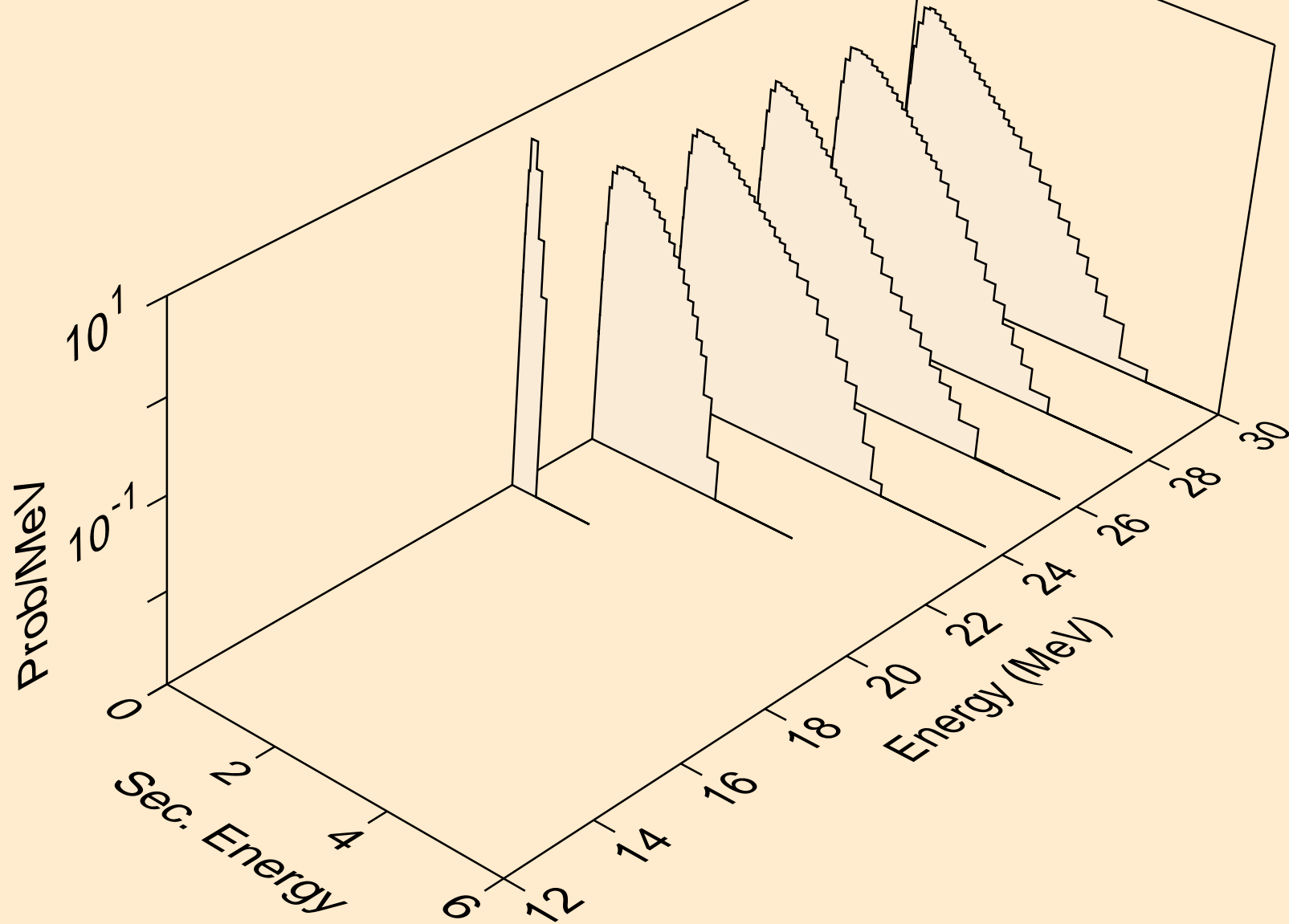
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



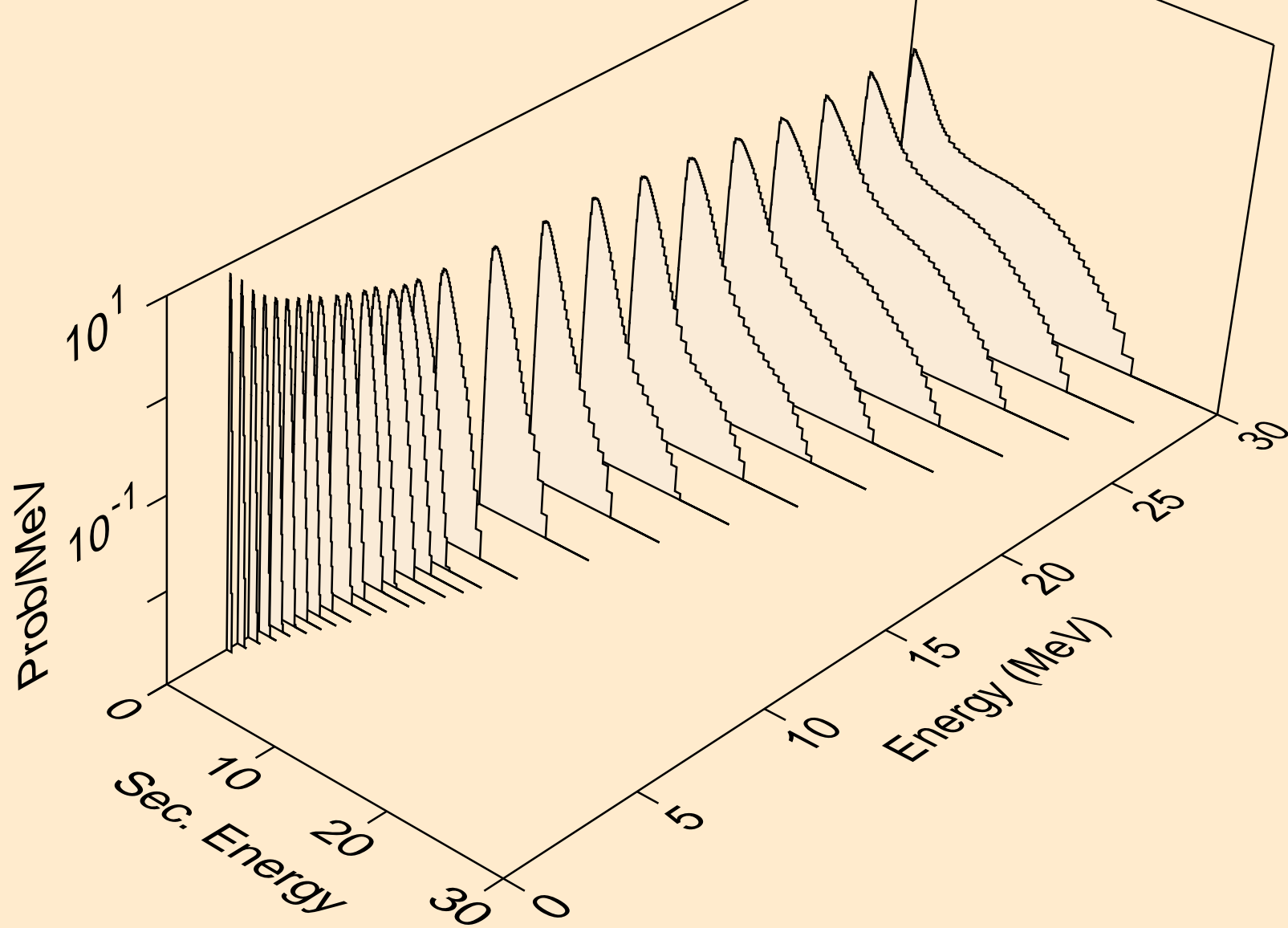
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Neutron emission for (n,2n)a



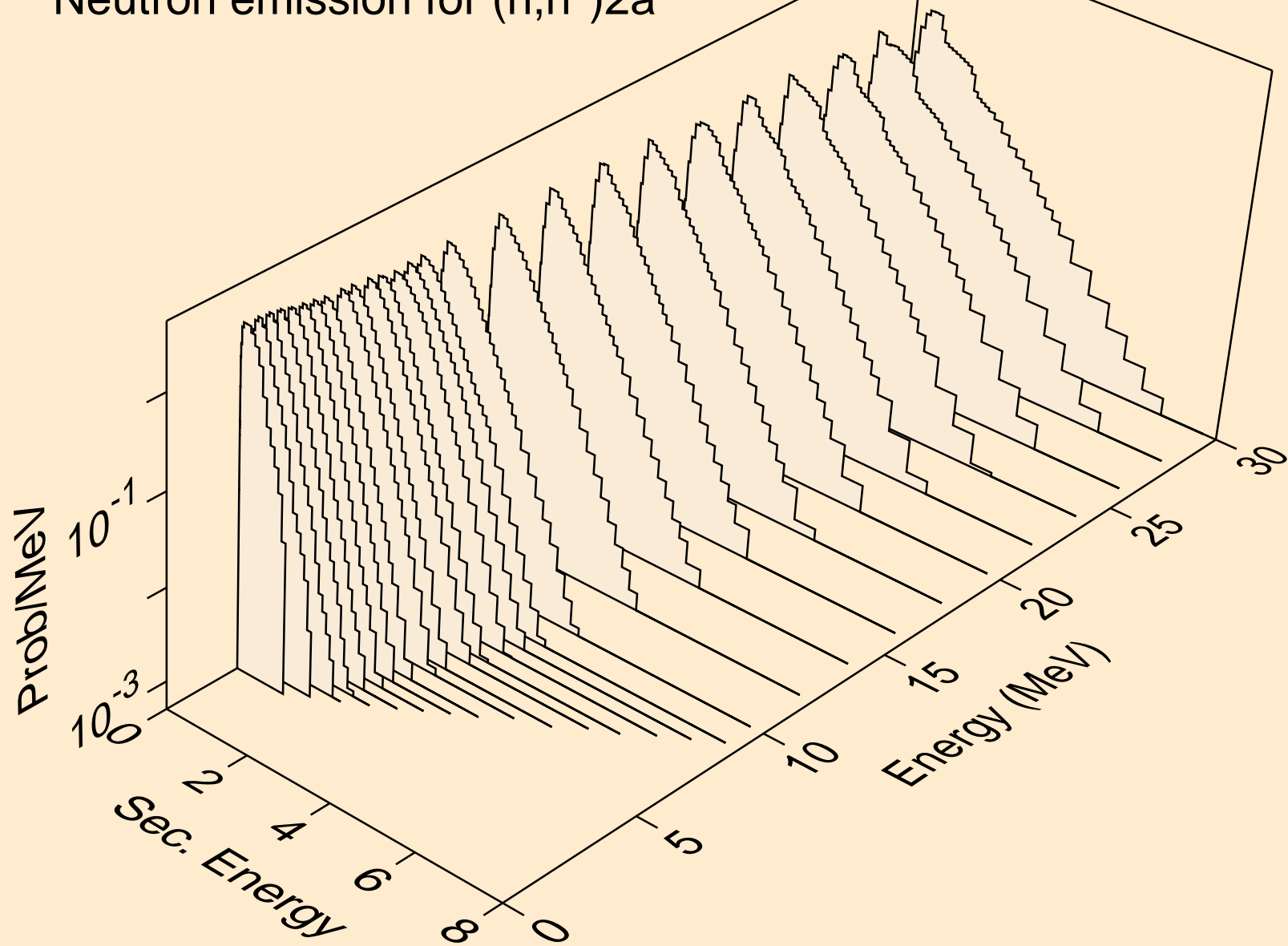
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Neutron emission for (n,3n)a



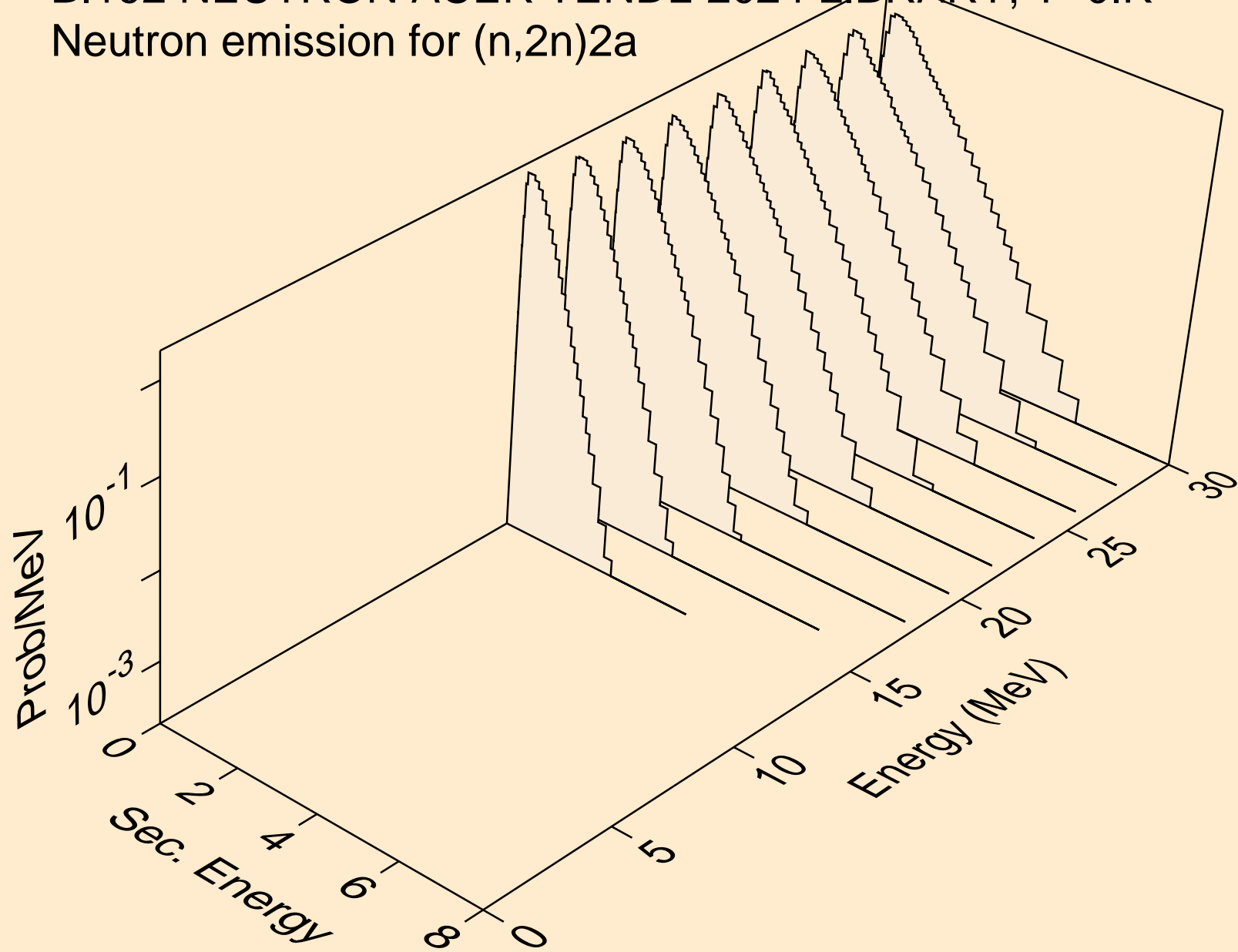
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

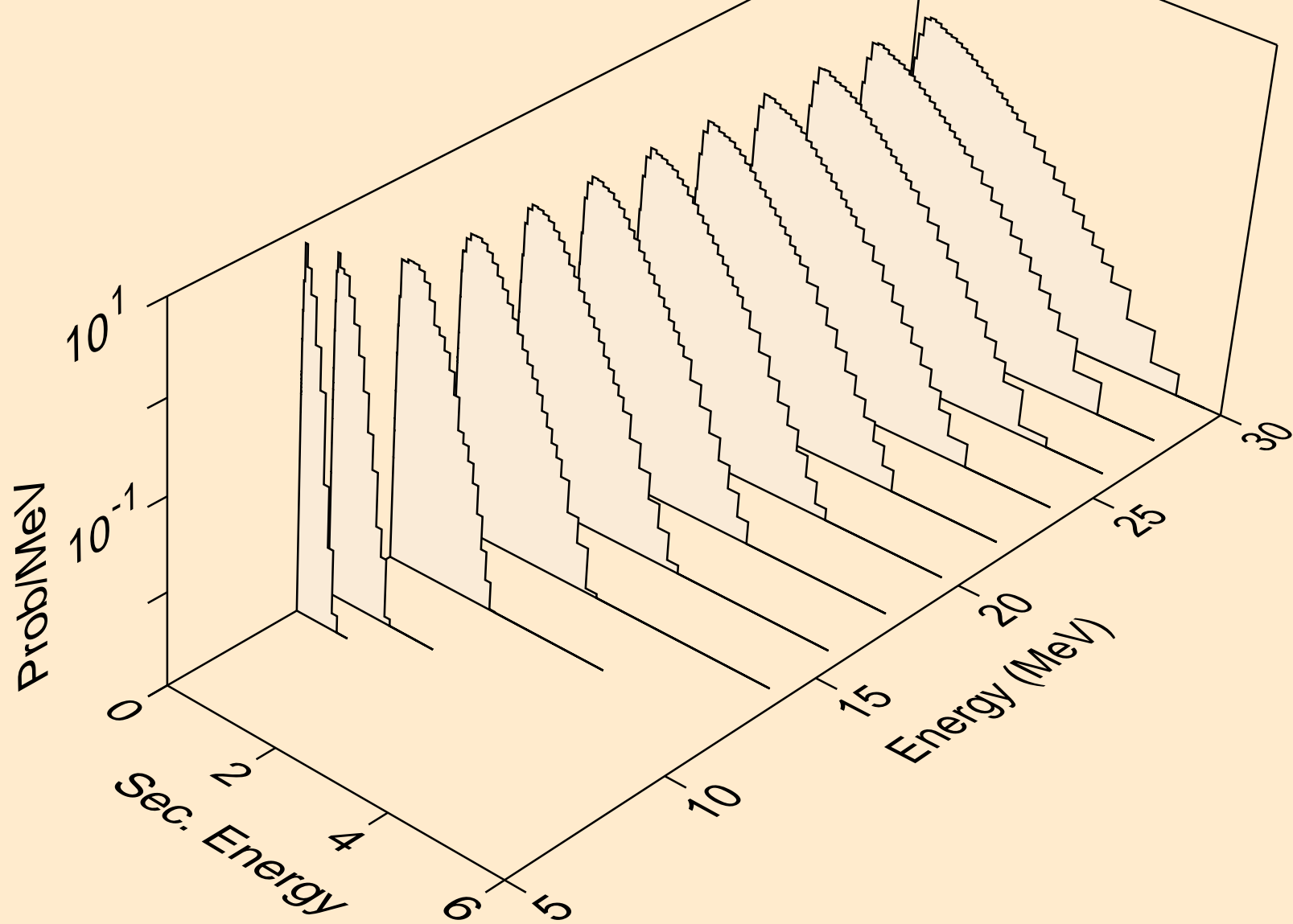


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Neutron emission for (n,2n)2a

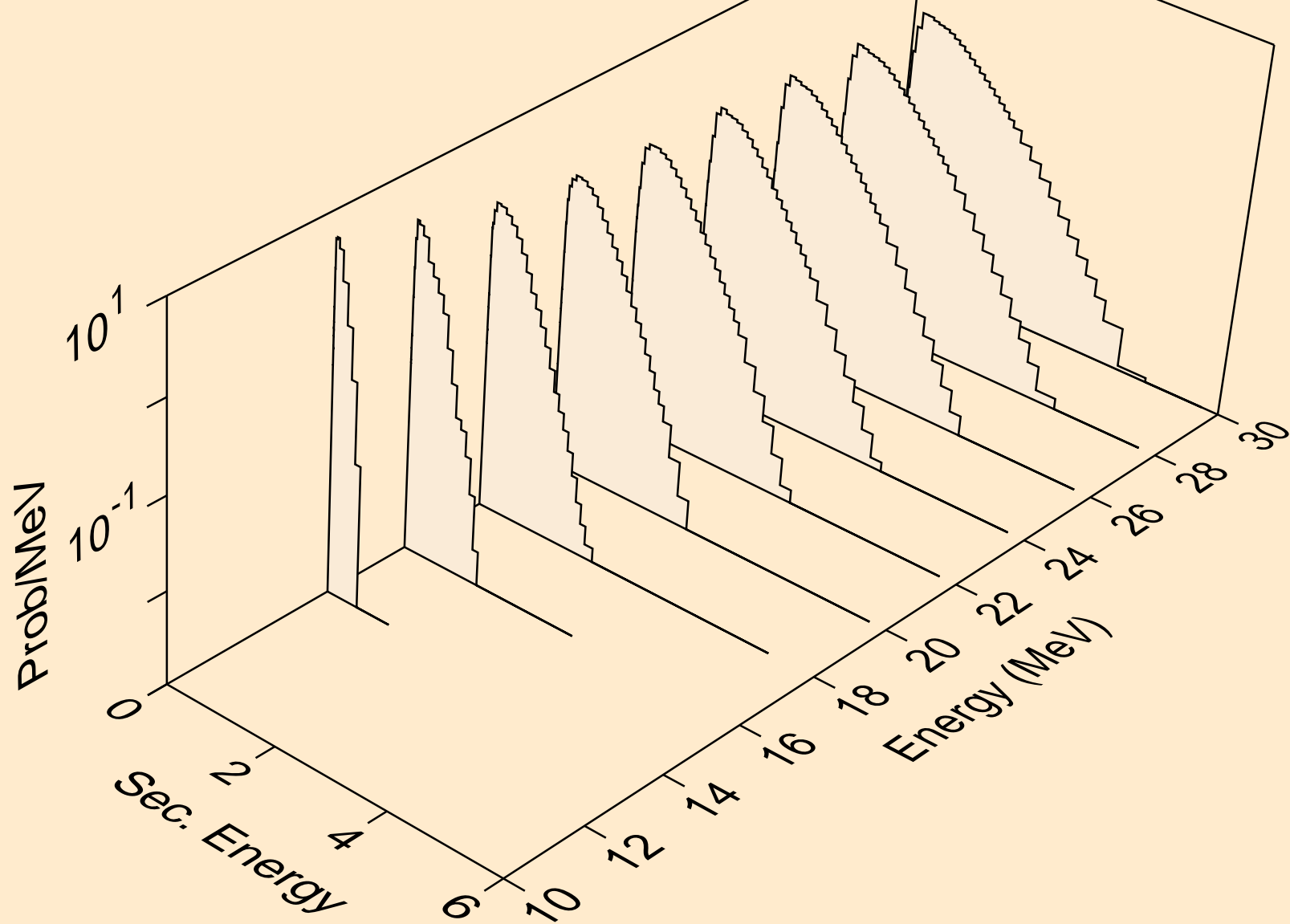




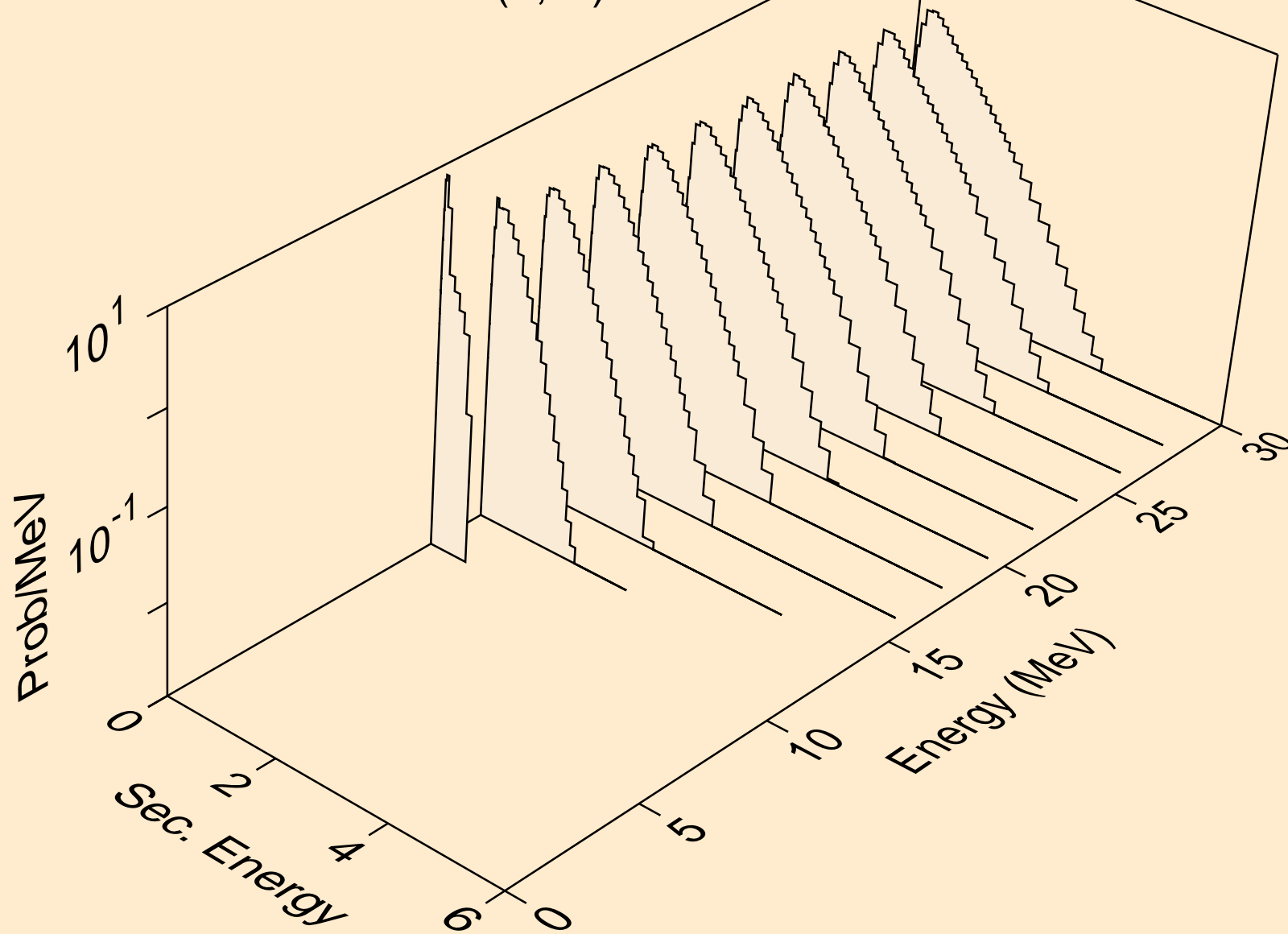
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



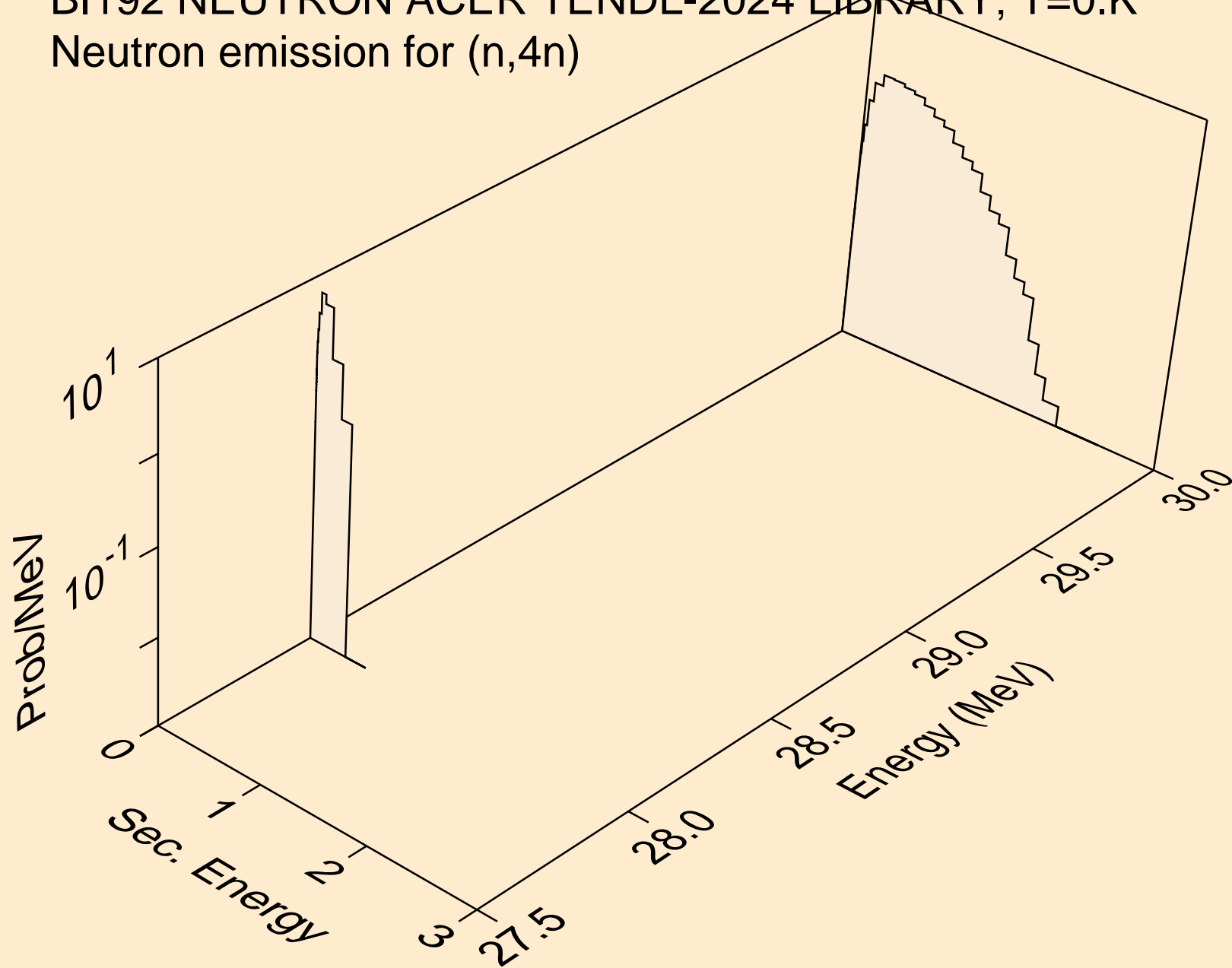
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Neutron emission for (n,n\*)t



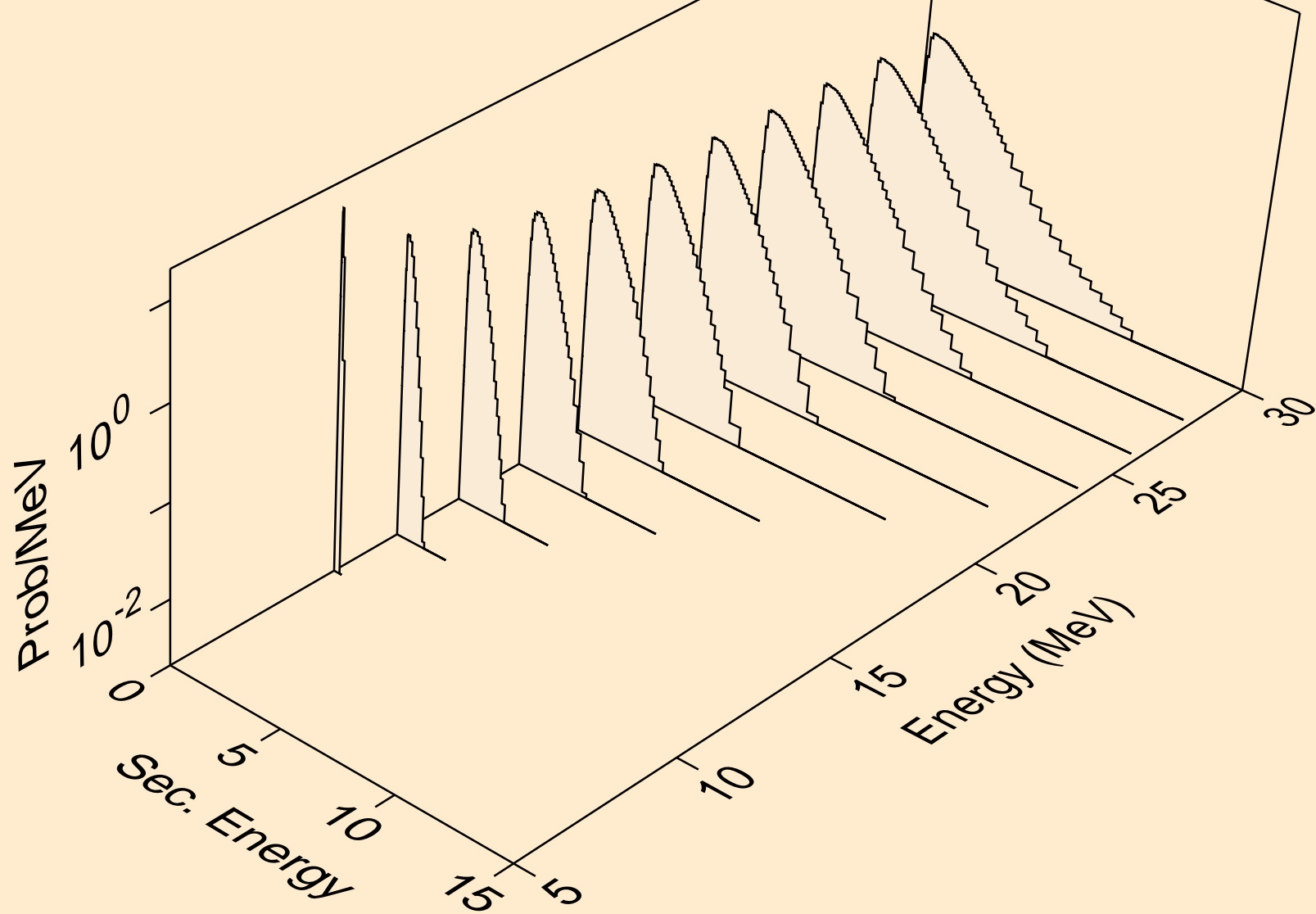
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



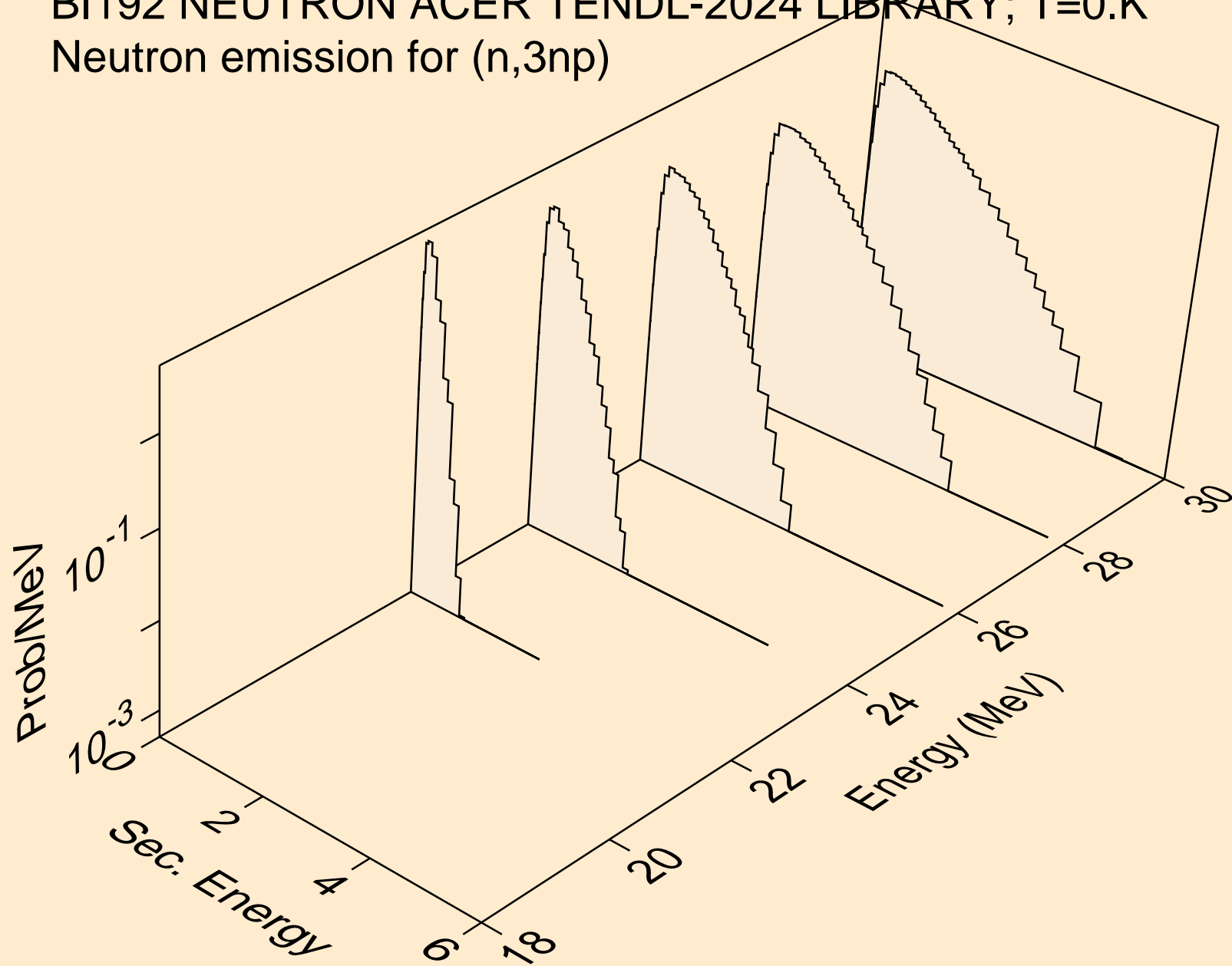
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Neutron emission for (n,4n)



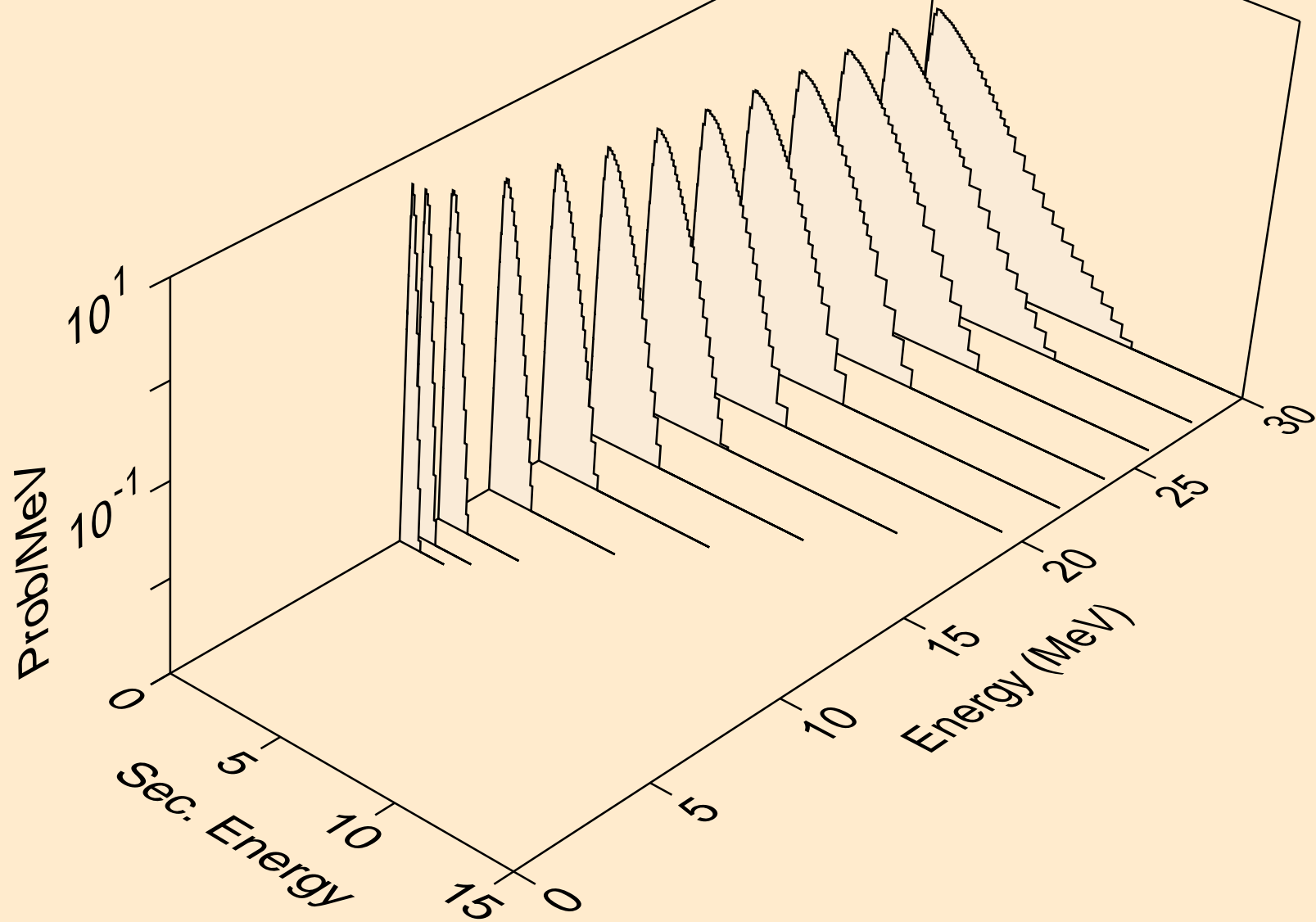
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Neutron emission for (n,2np)



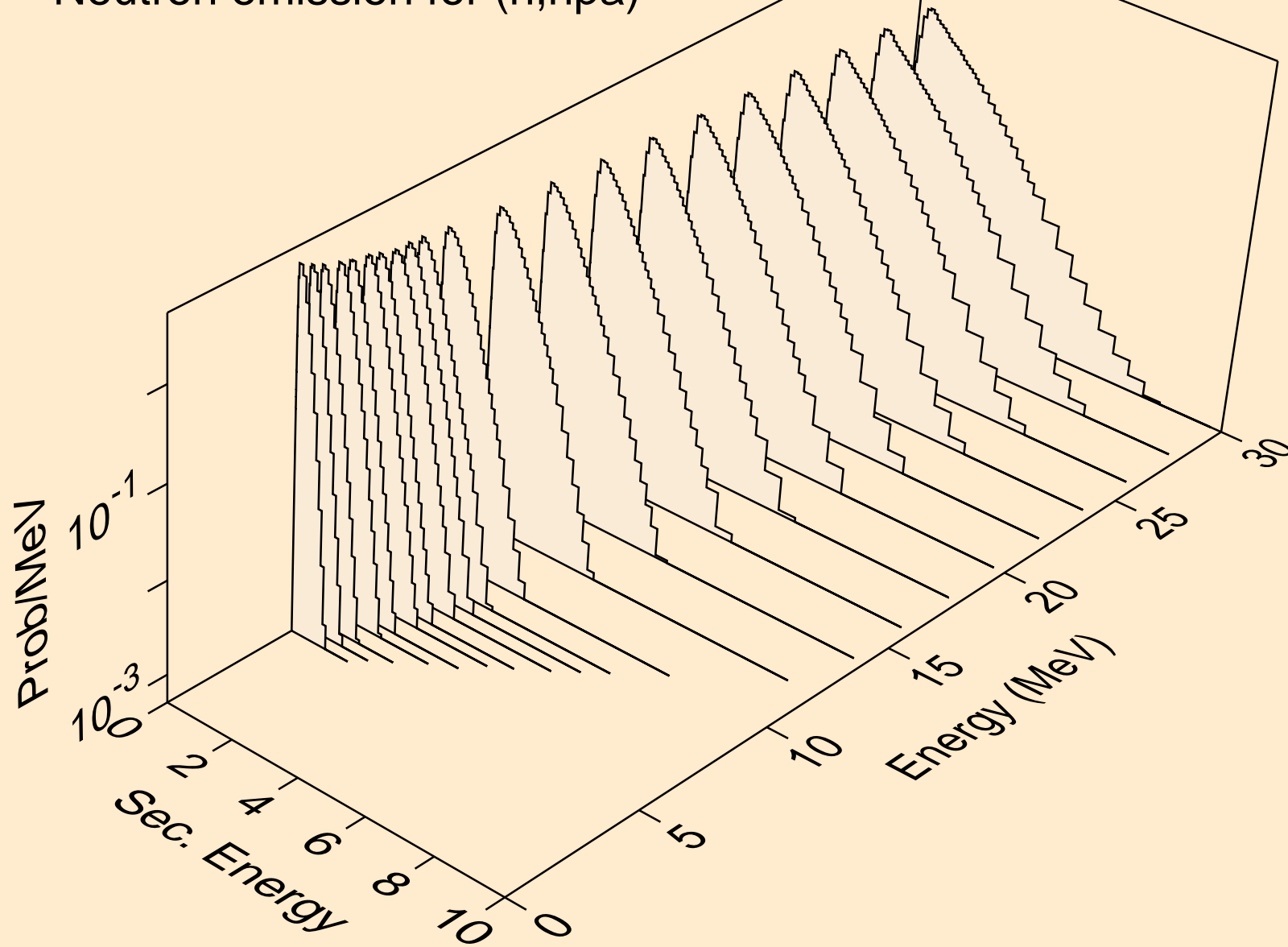
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

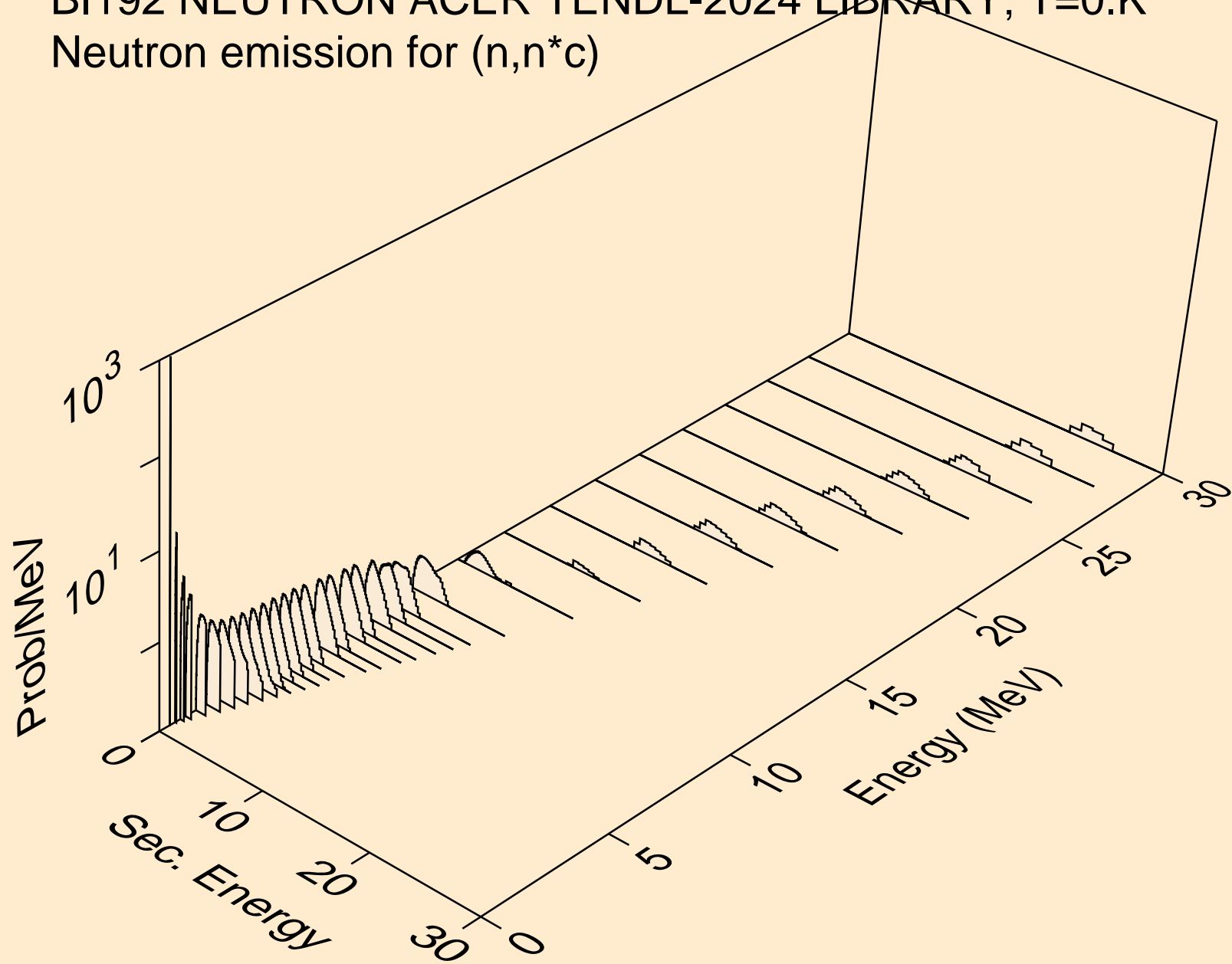


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

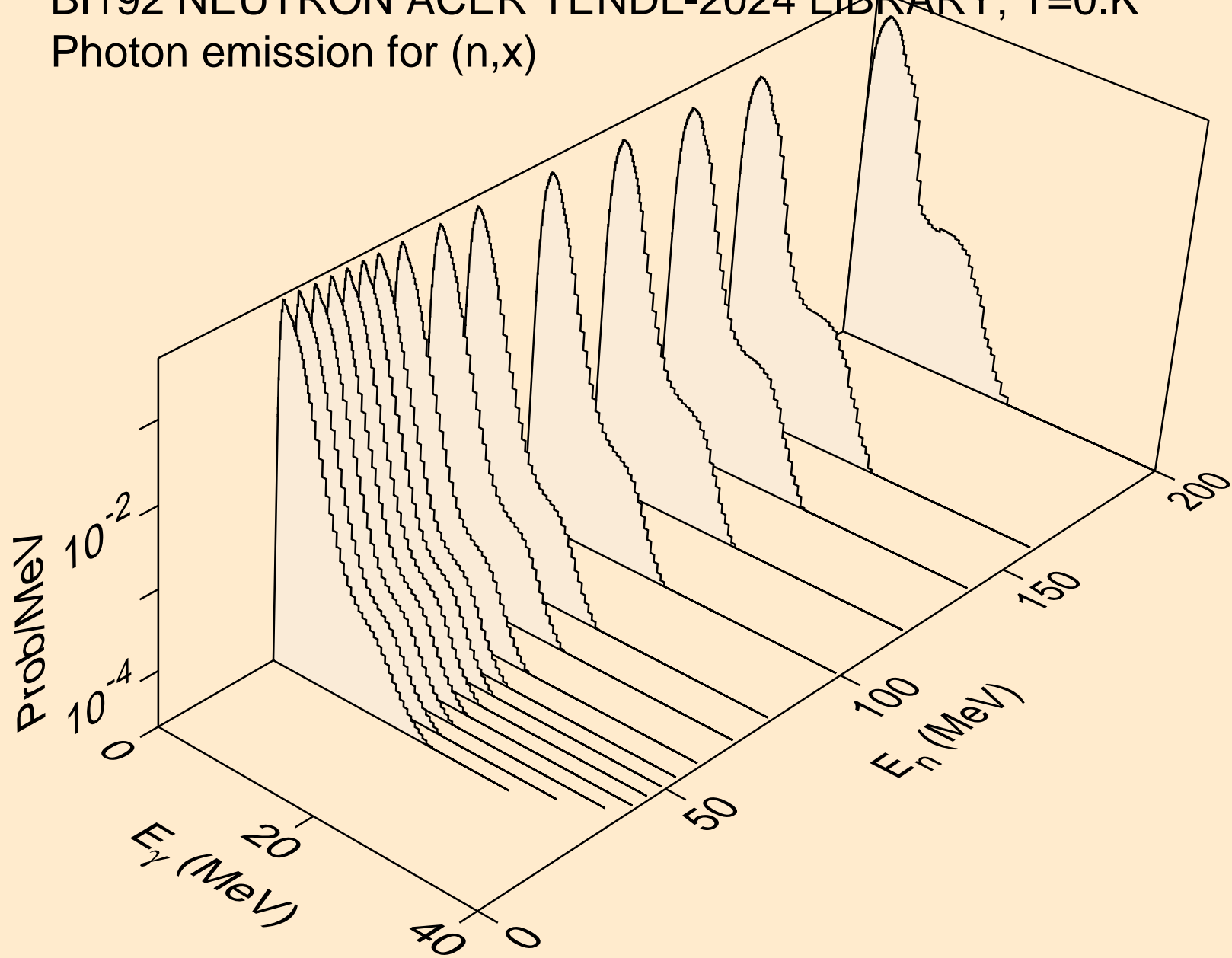




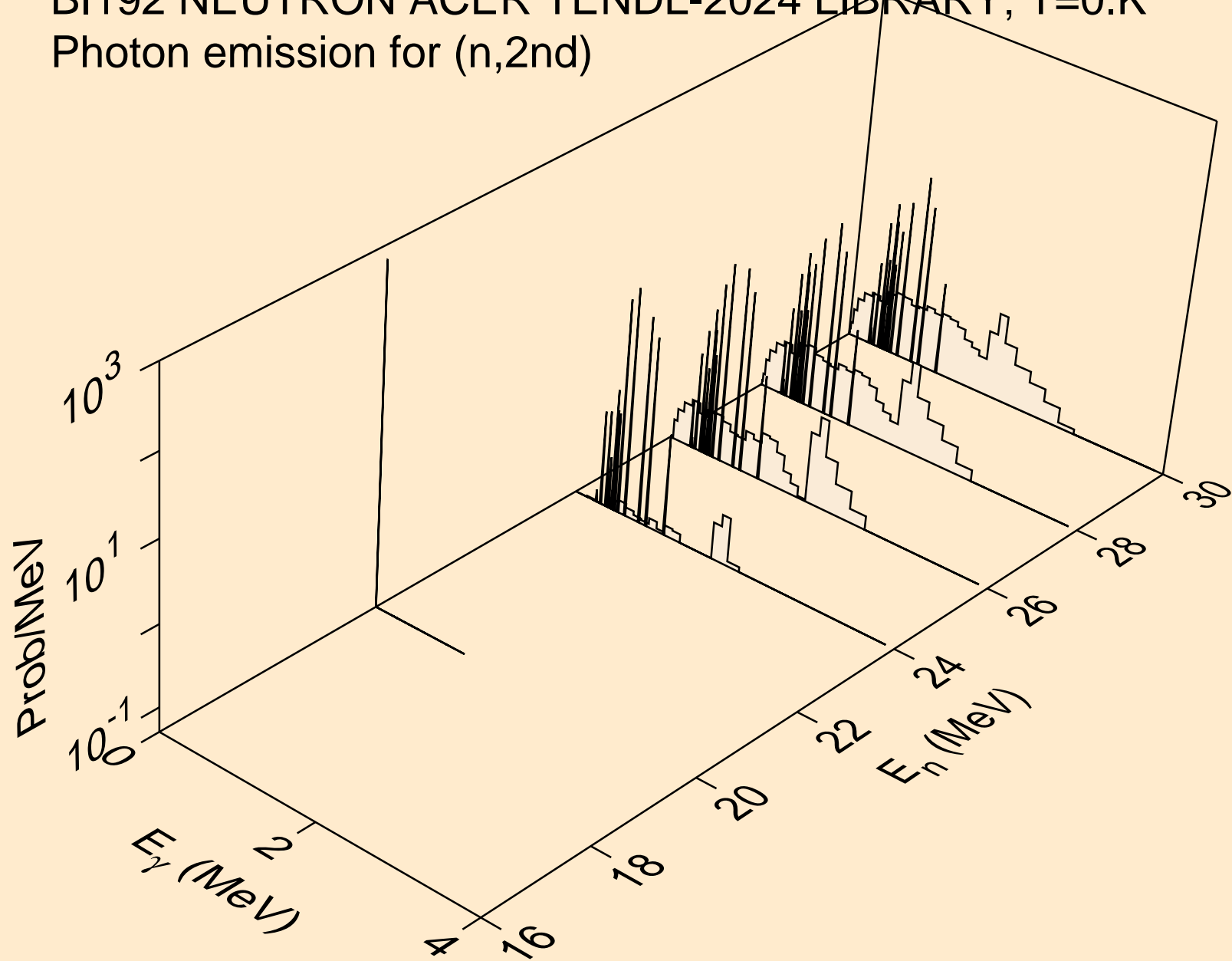
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Neutron emission for (n,n\*c)



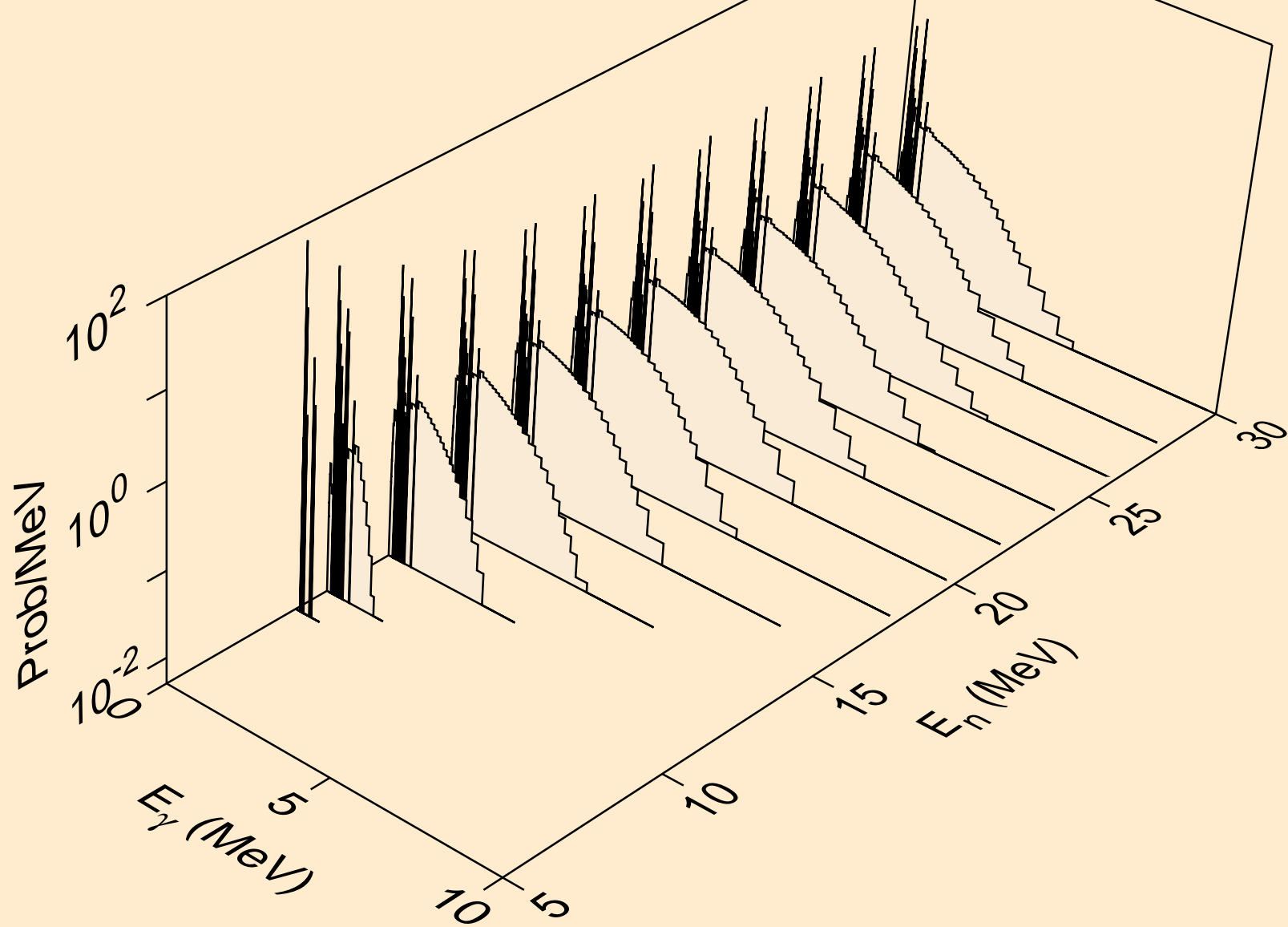
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Photon emission for (n,x)



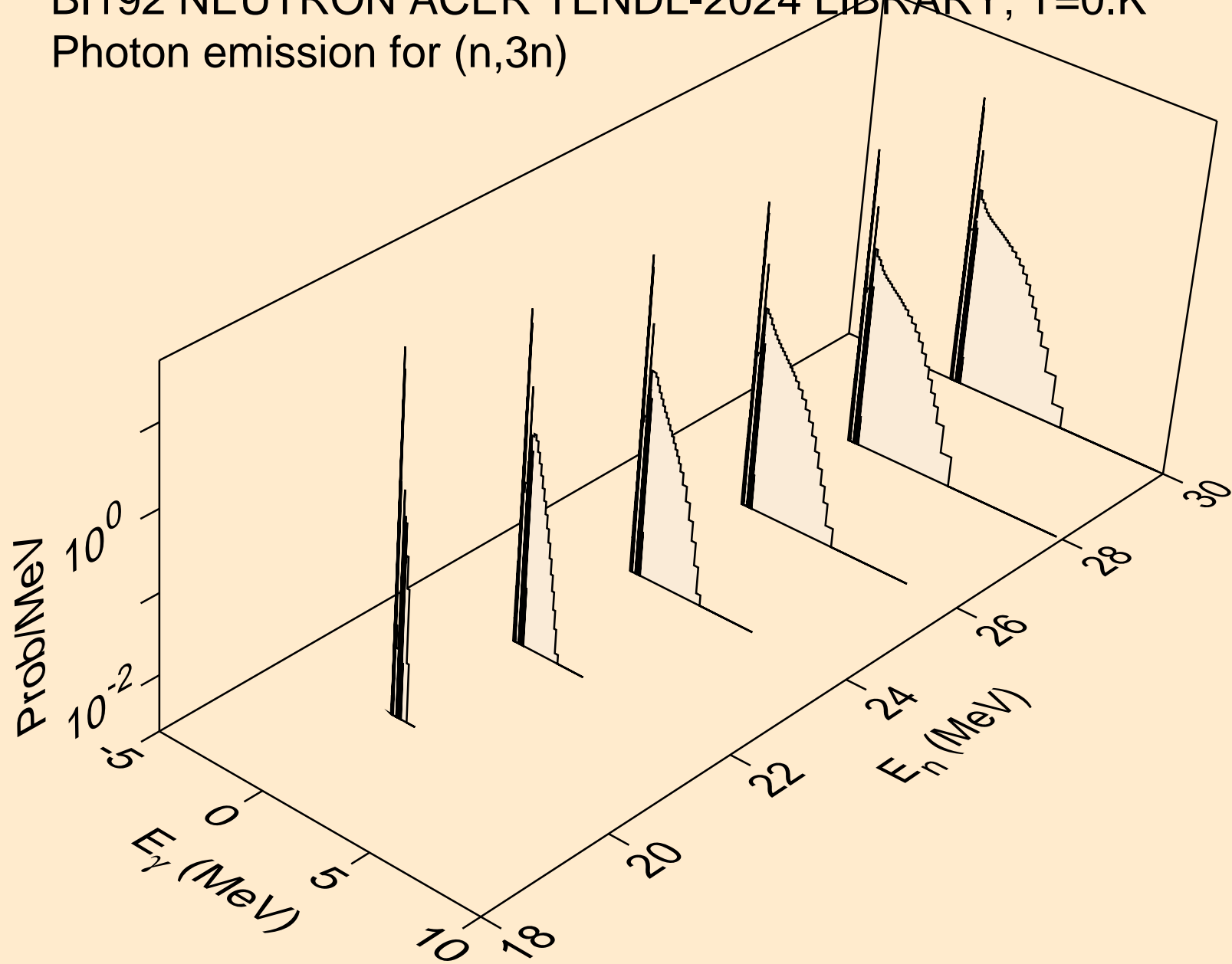
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Photon emission for (n,2nd)



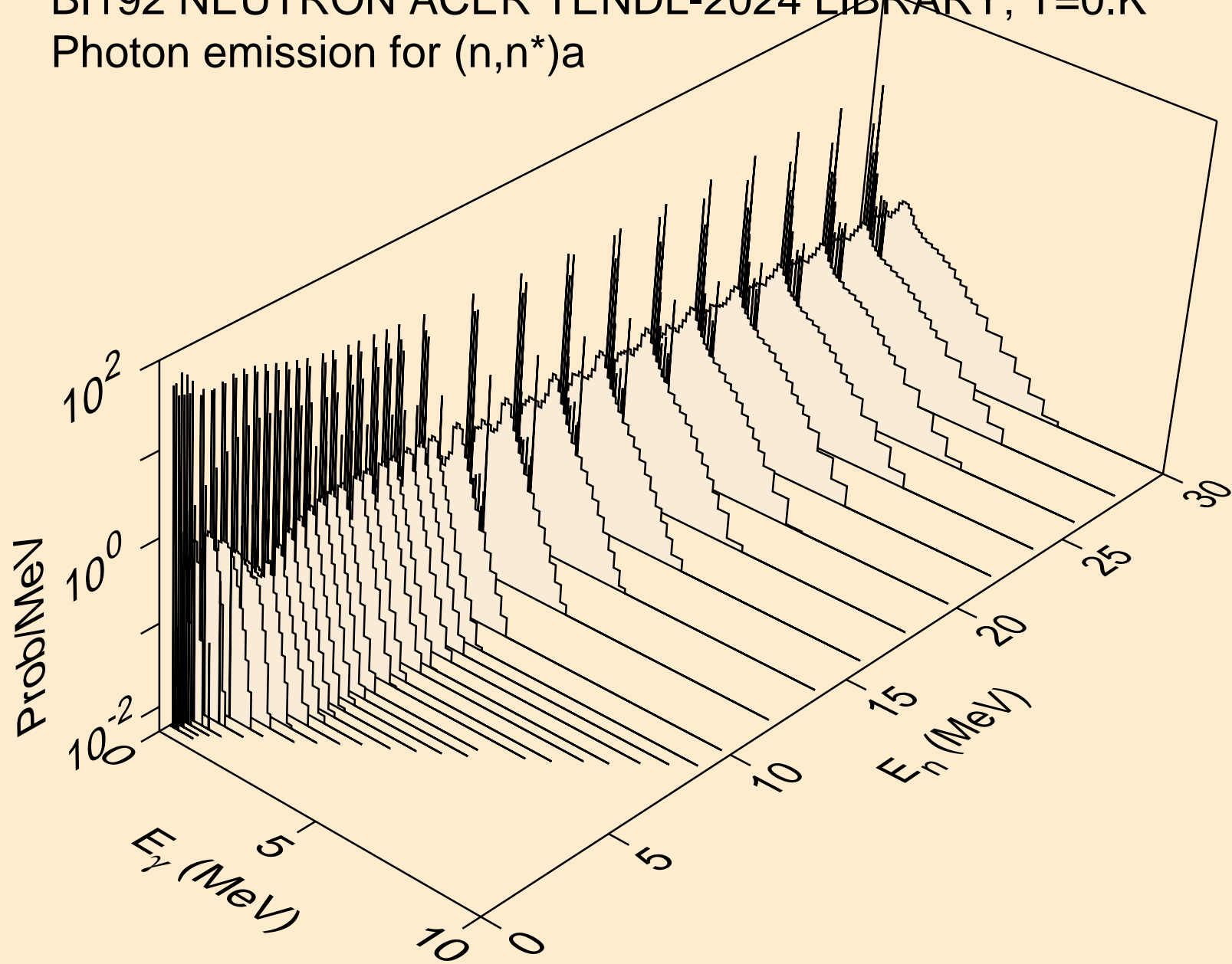
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



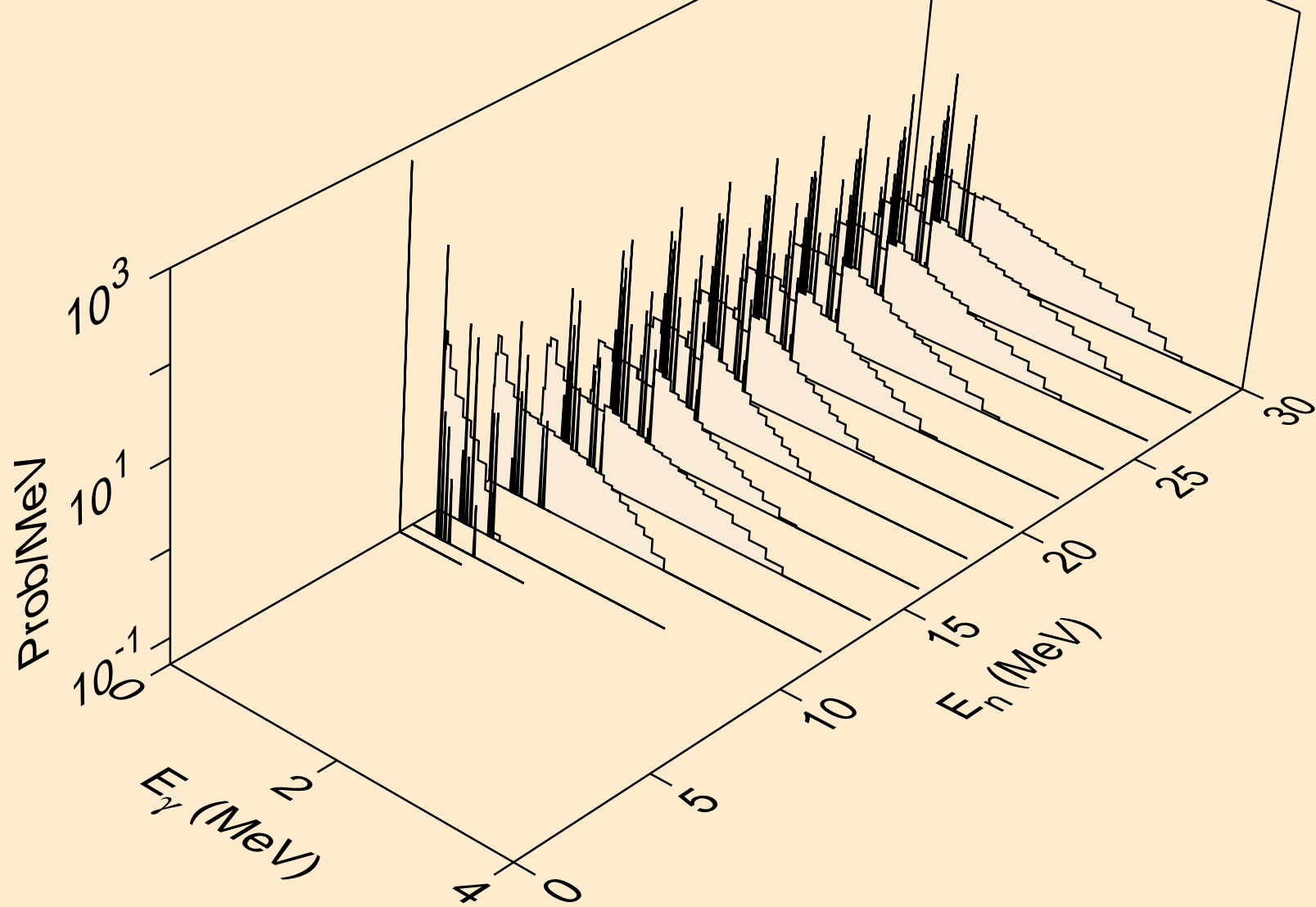
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



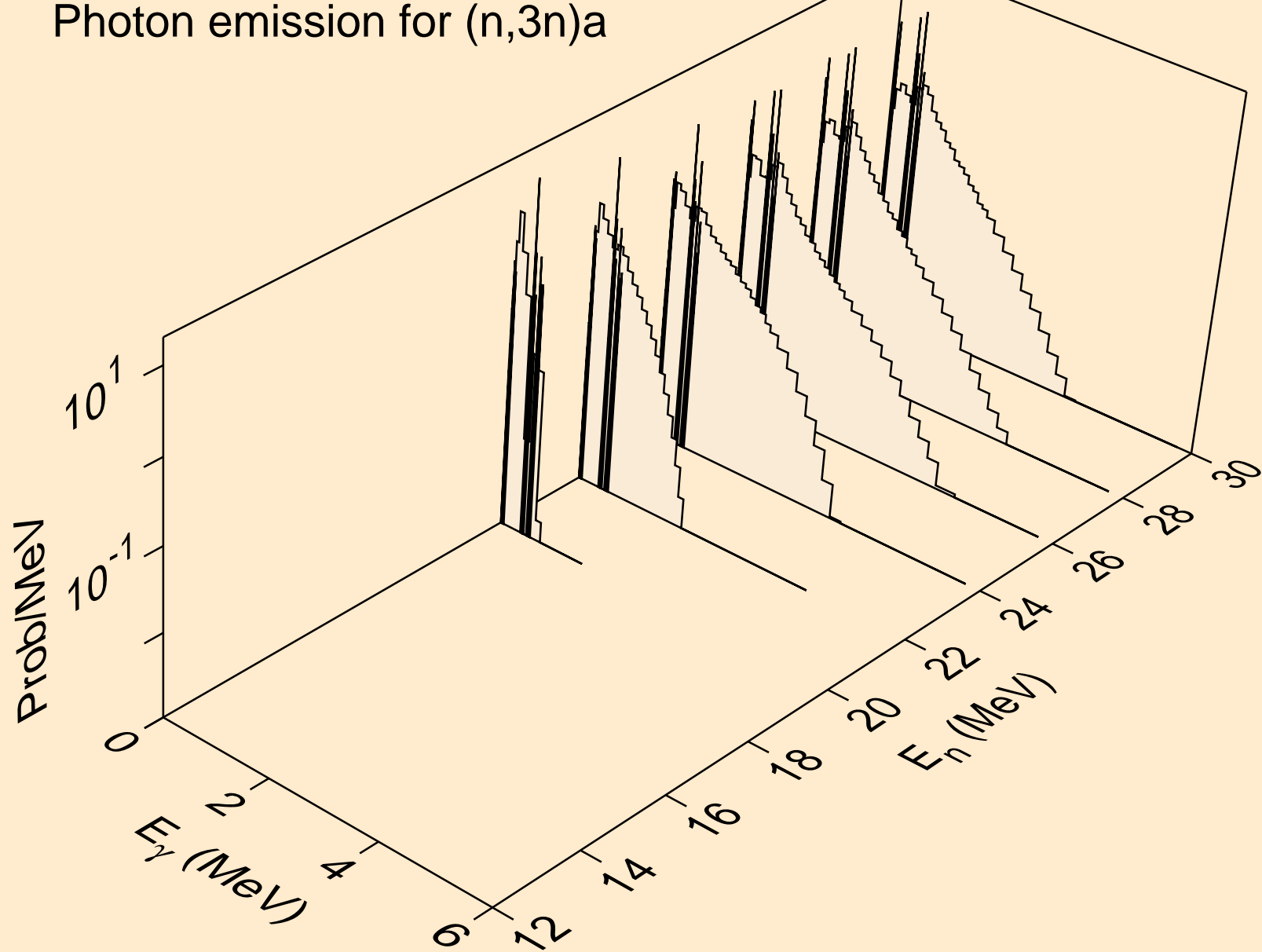
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

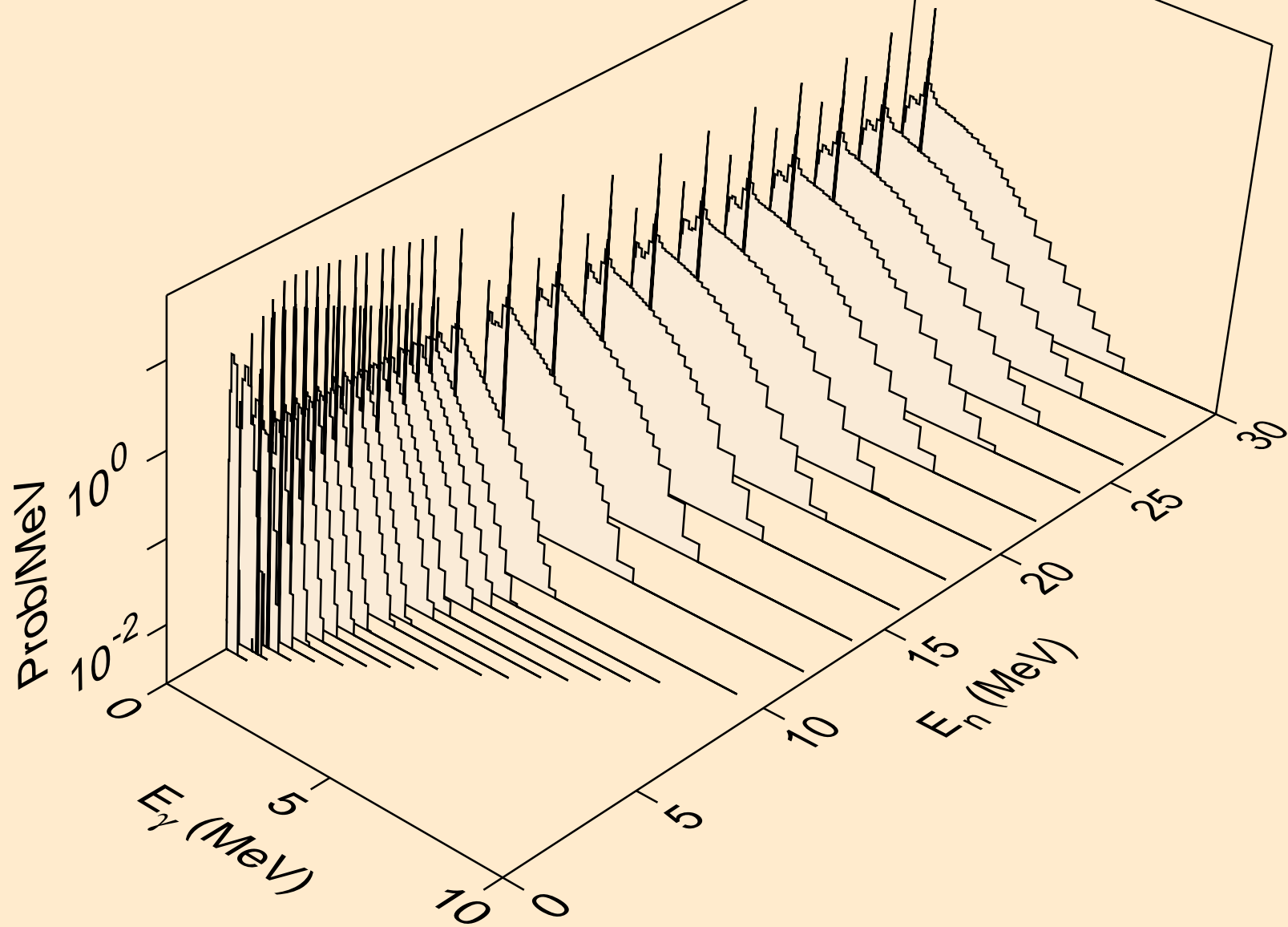


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

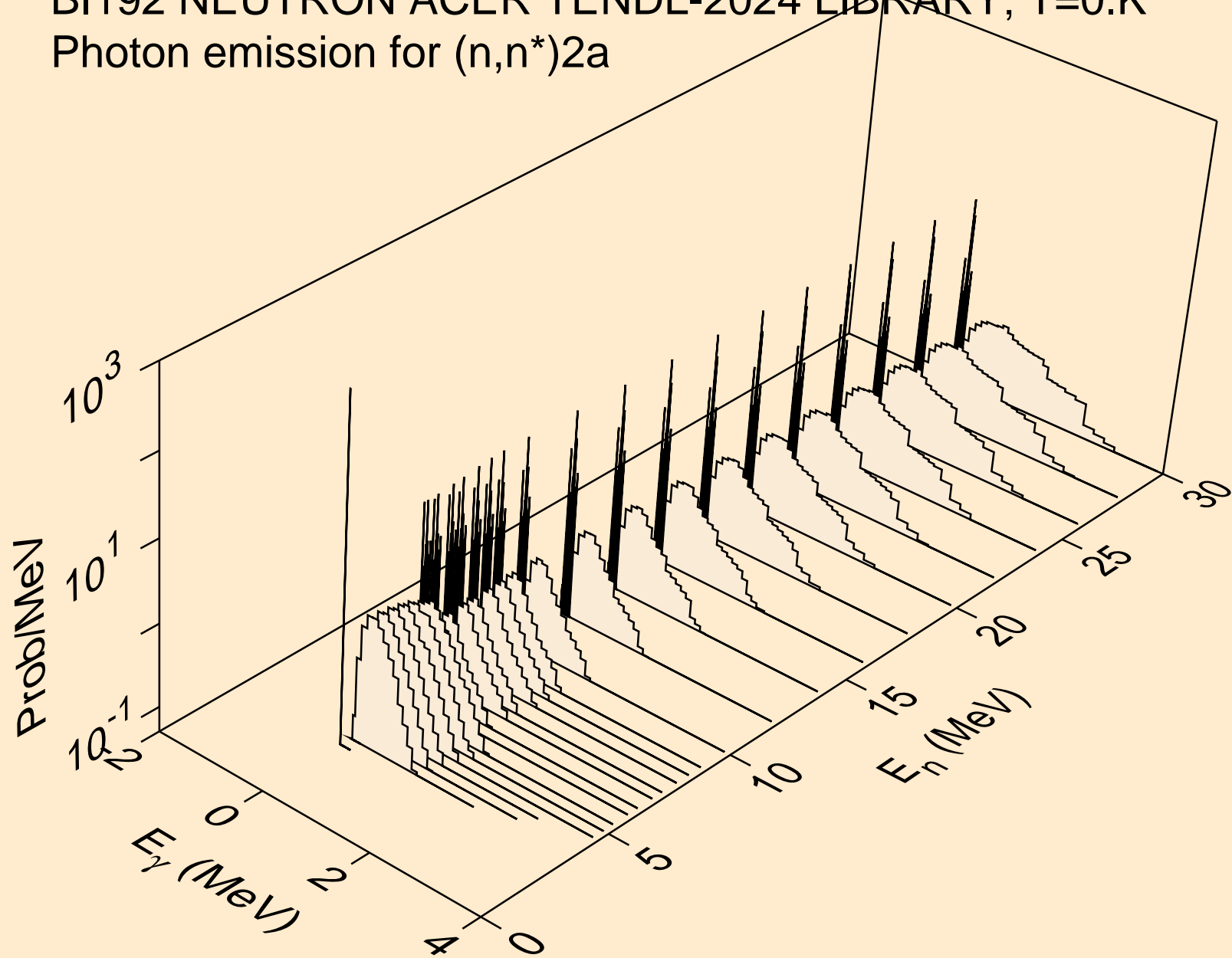




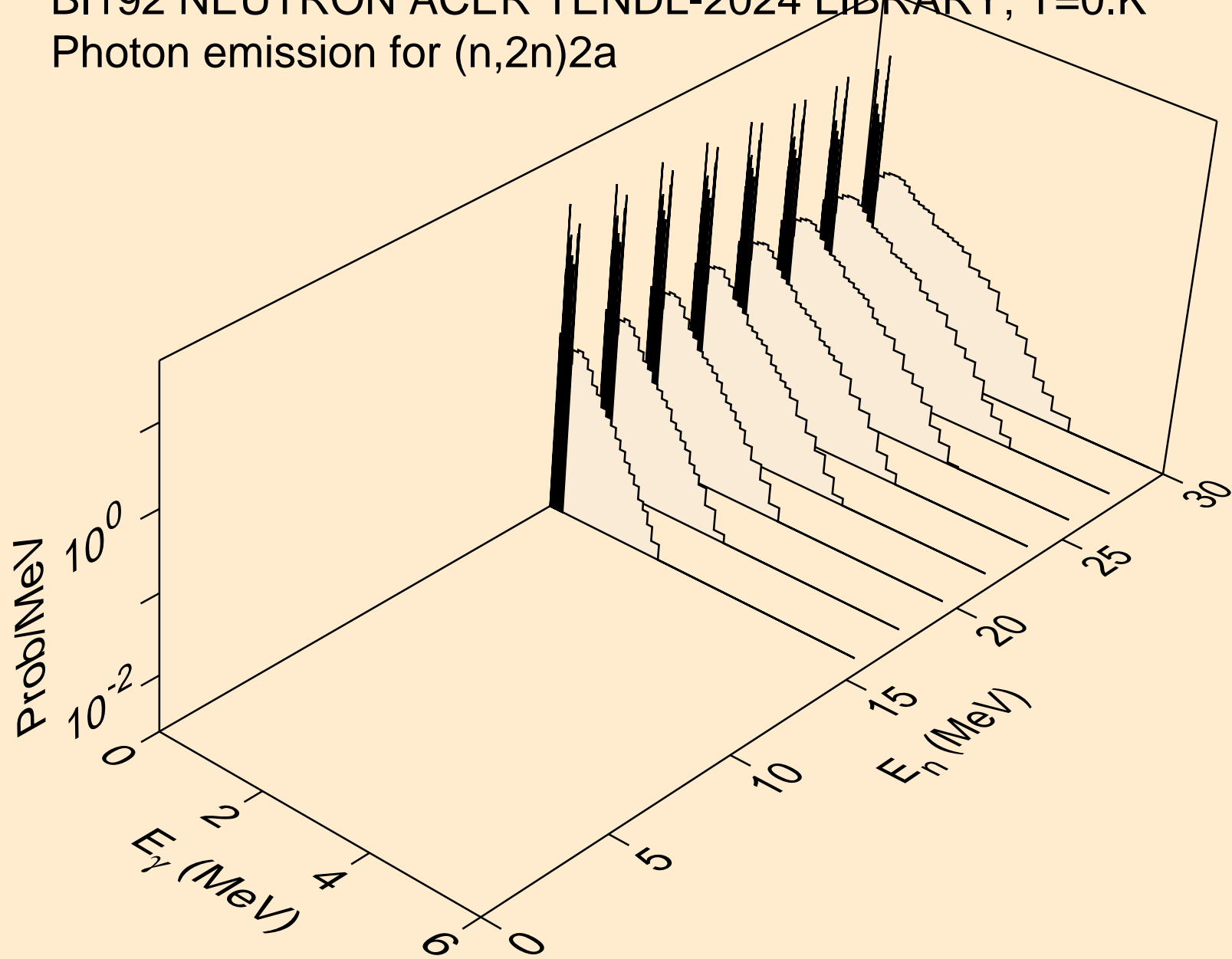
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Photon emission for (n,n\*)p



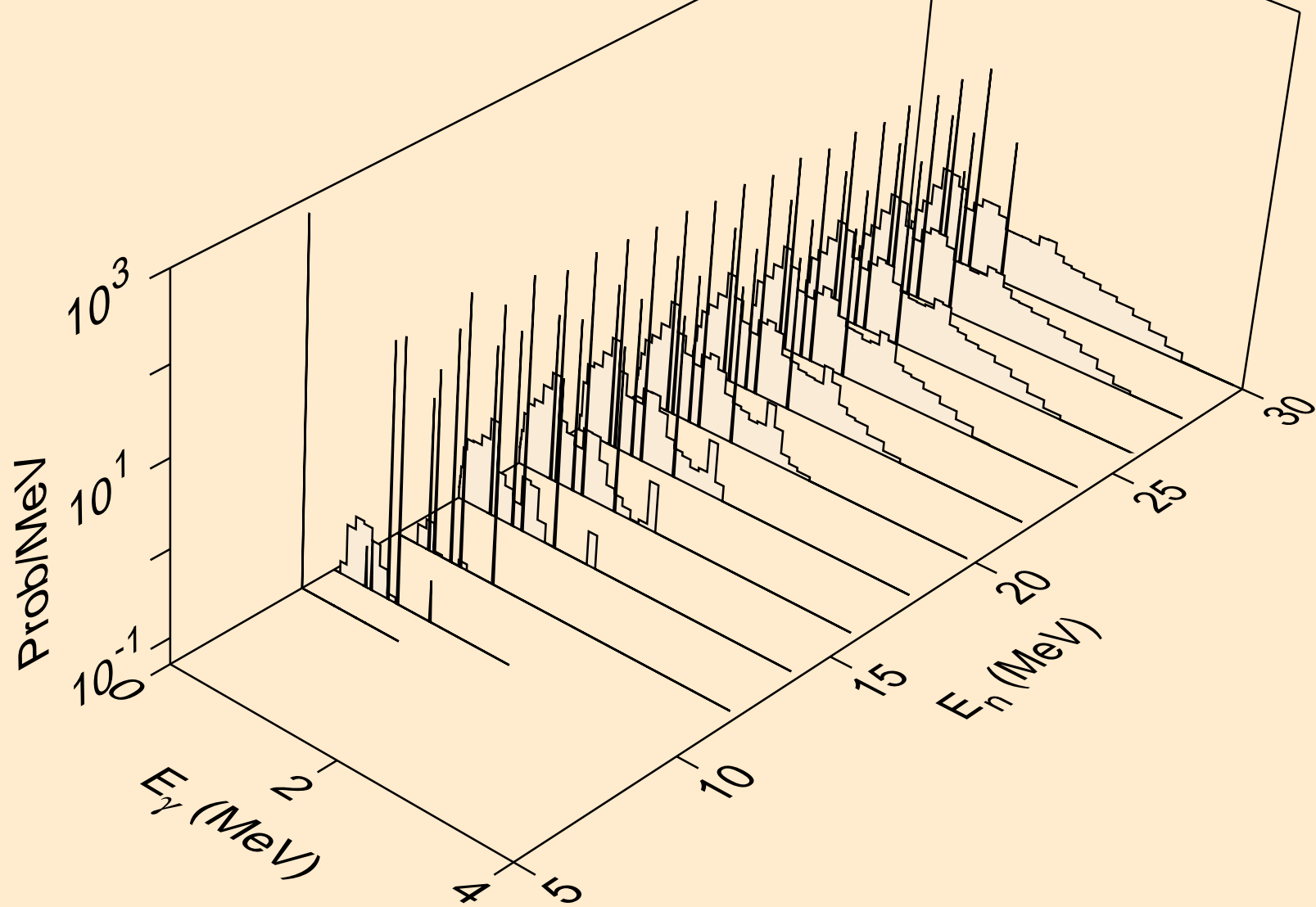
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Photon emission for (n,n\*)2a



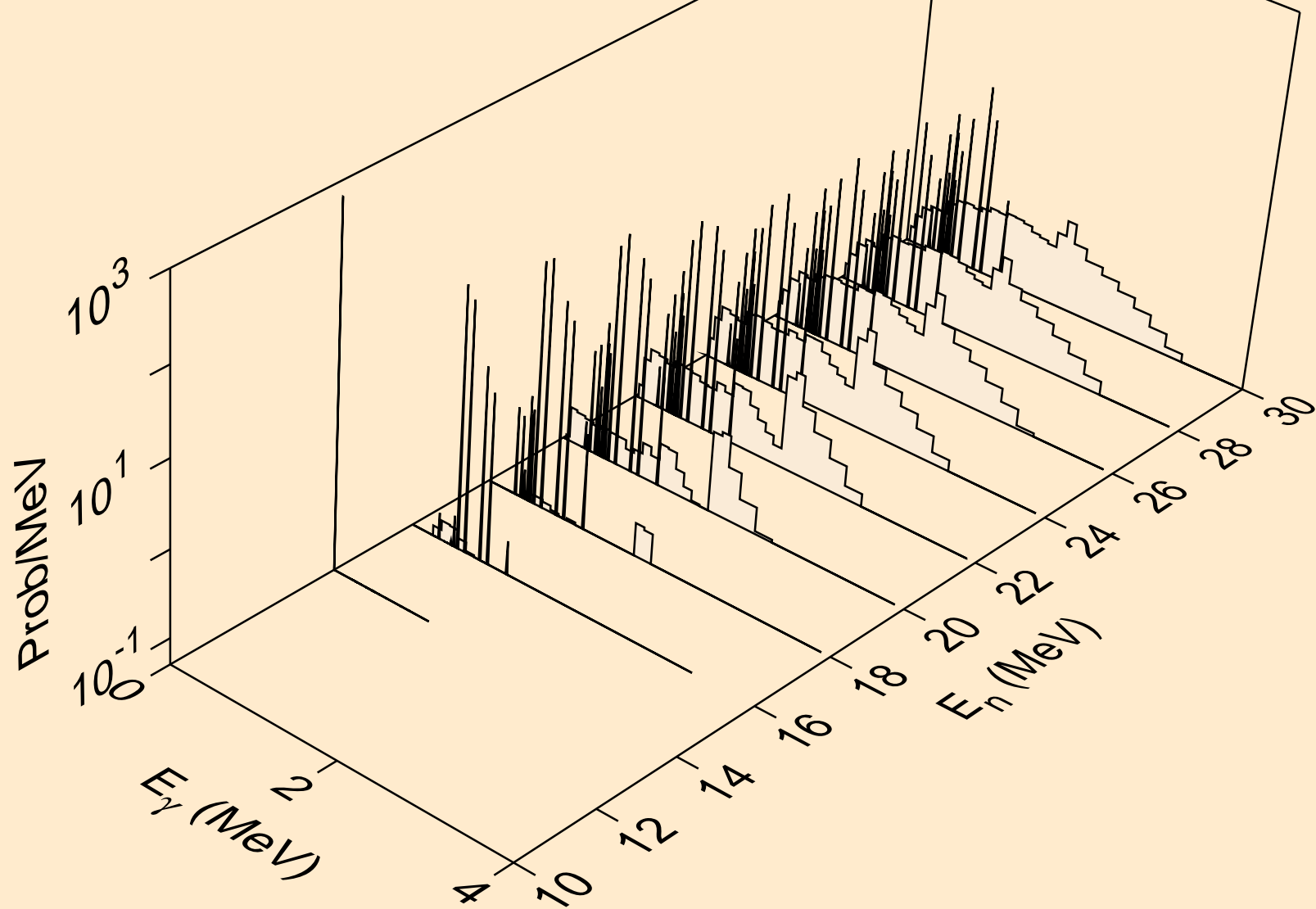
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



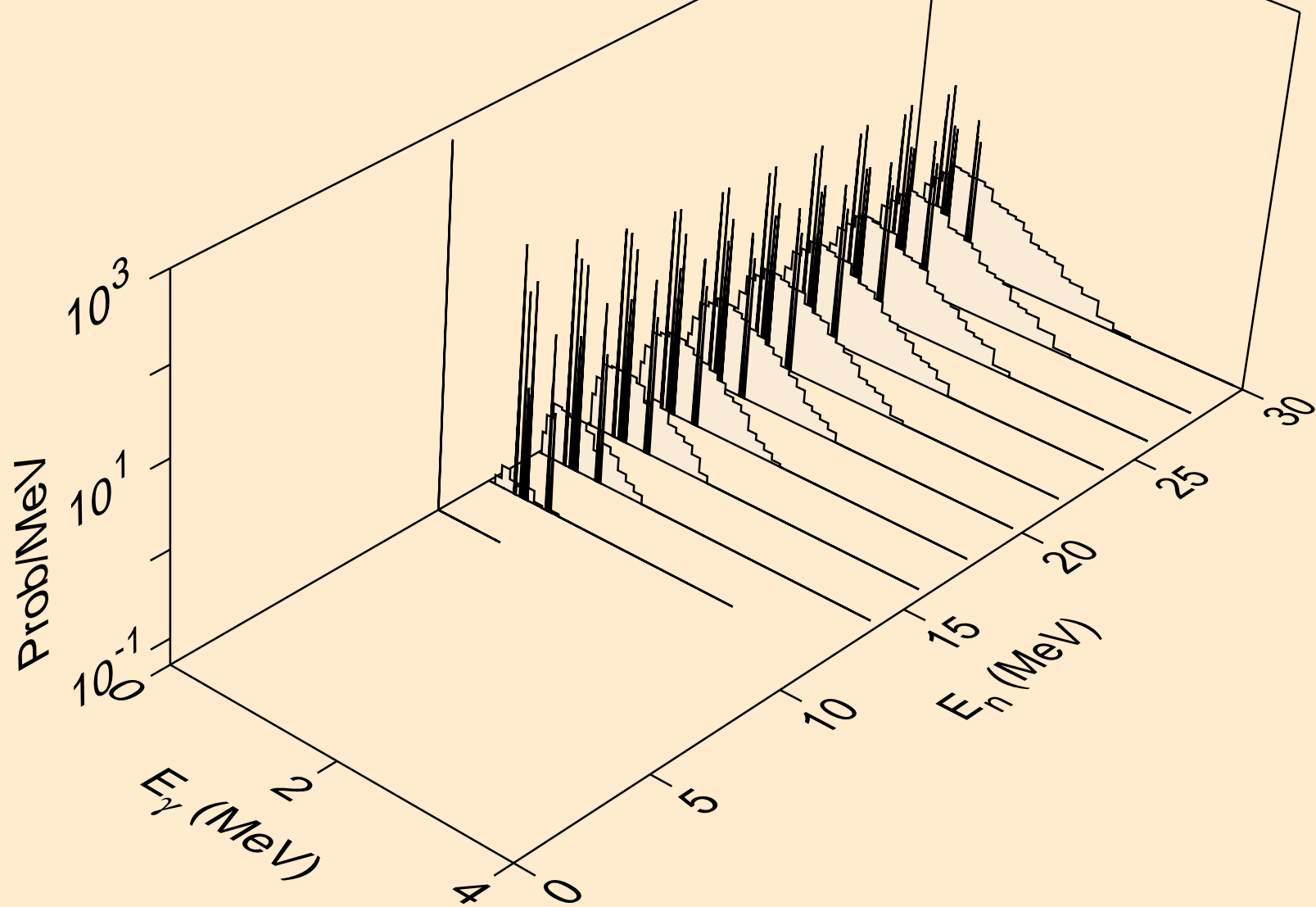
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Photon emission for (n,n\*)d



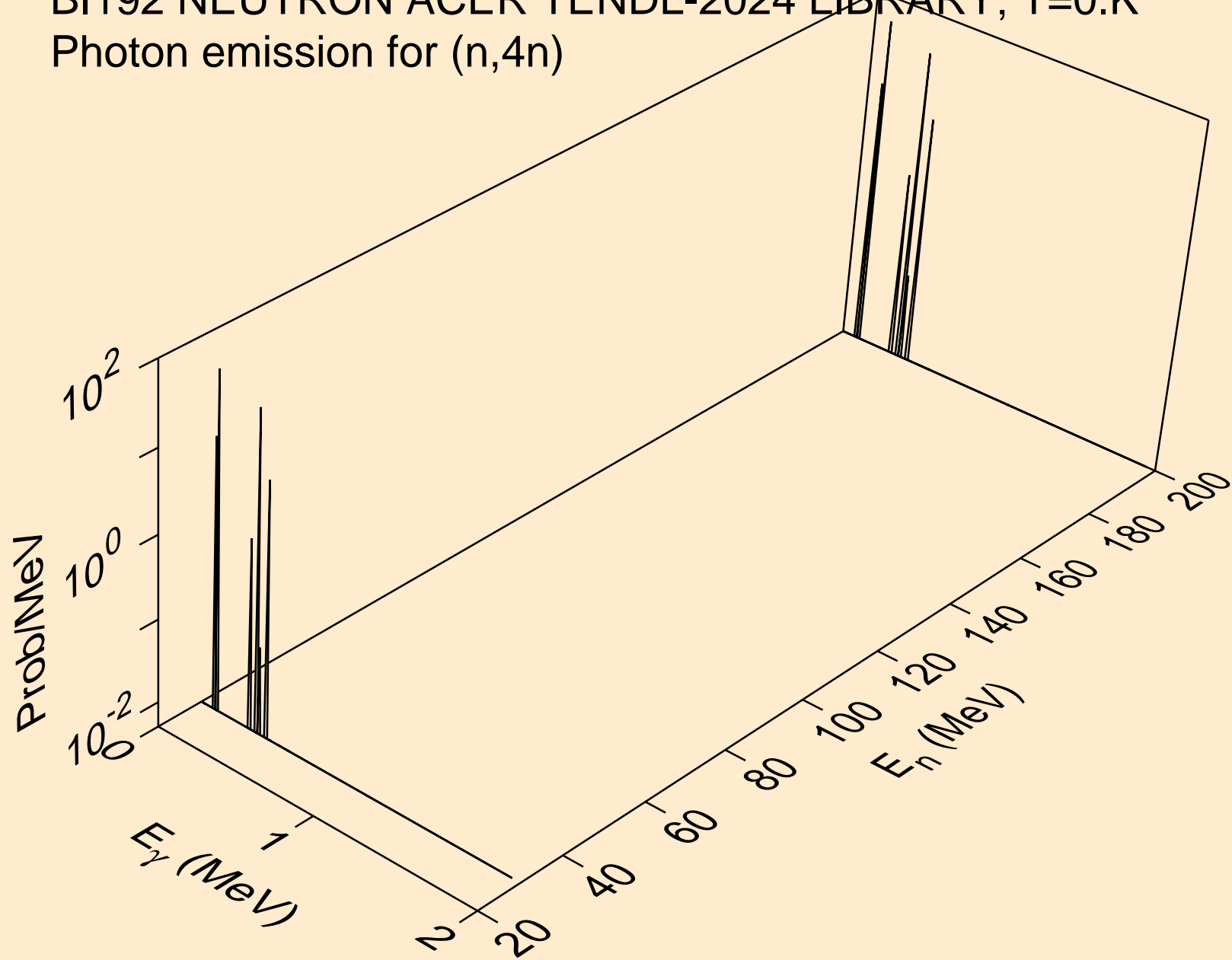
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



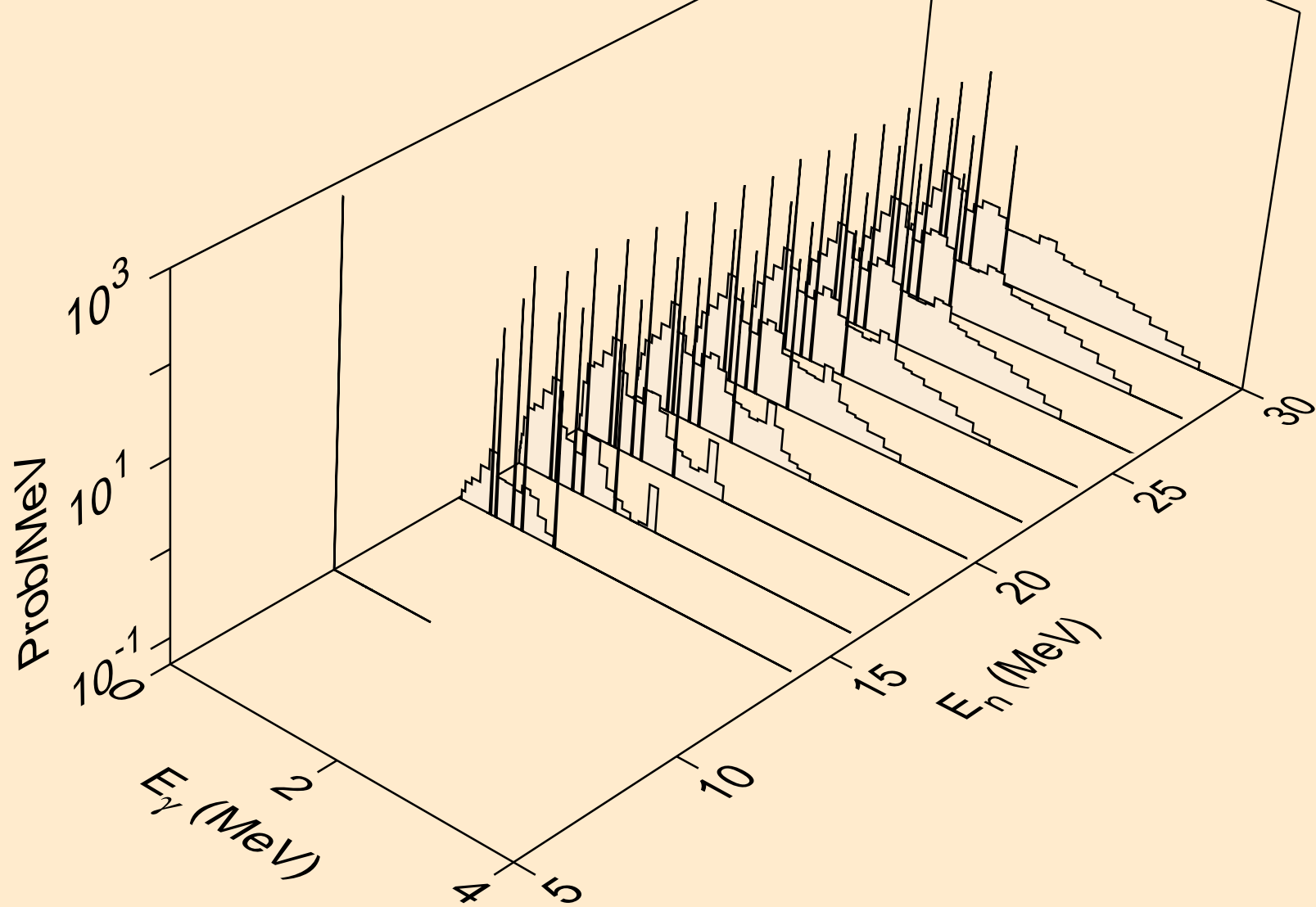
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

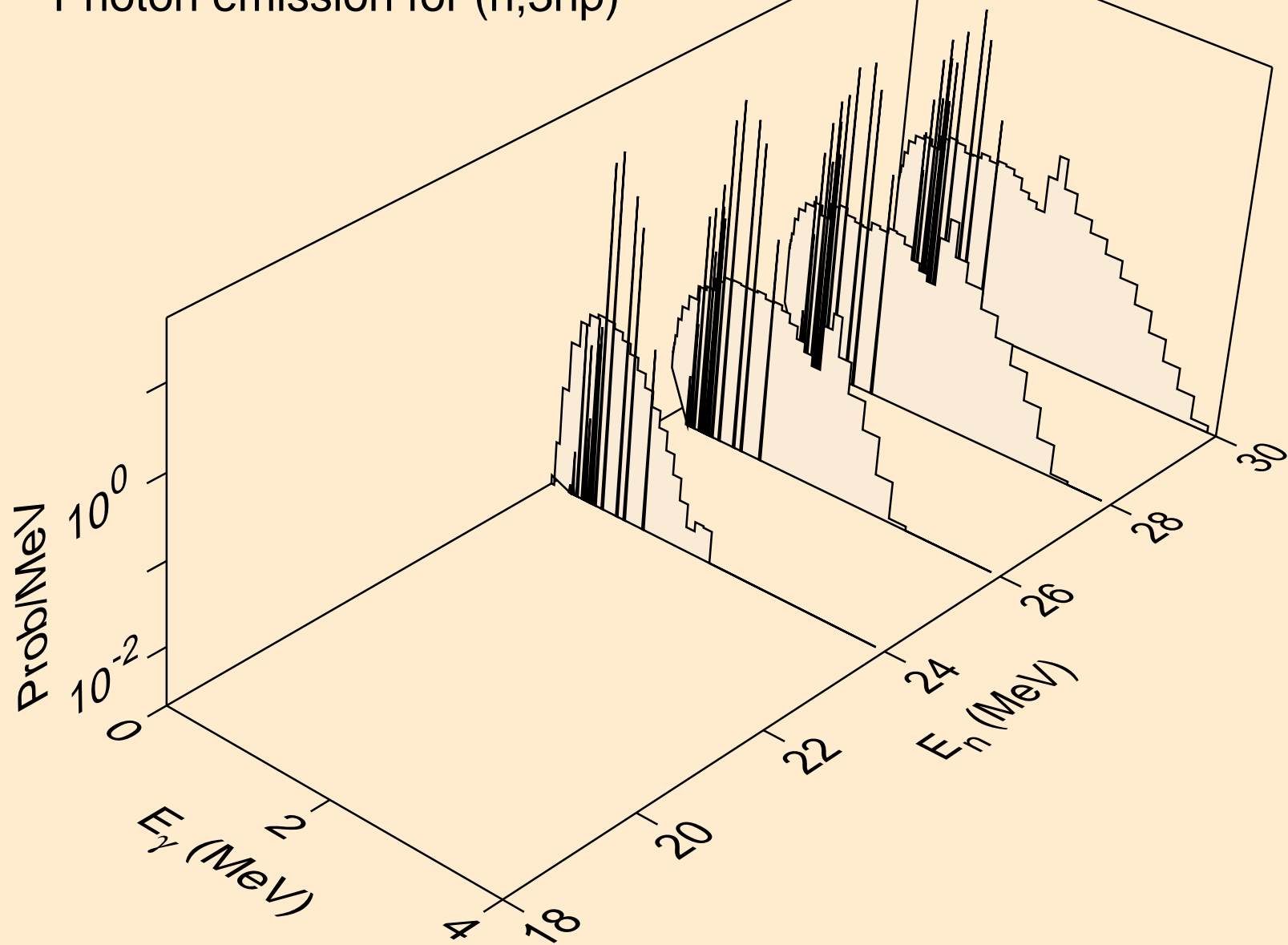


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

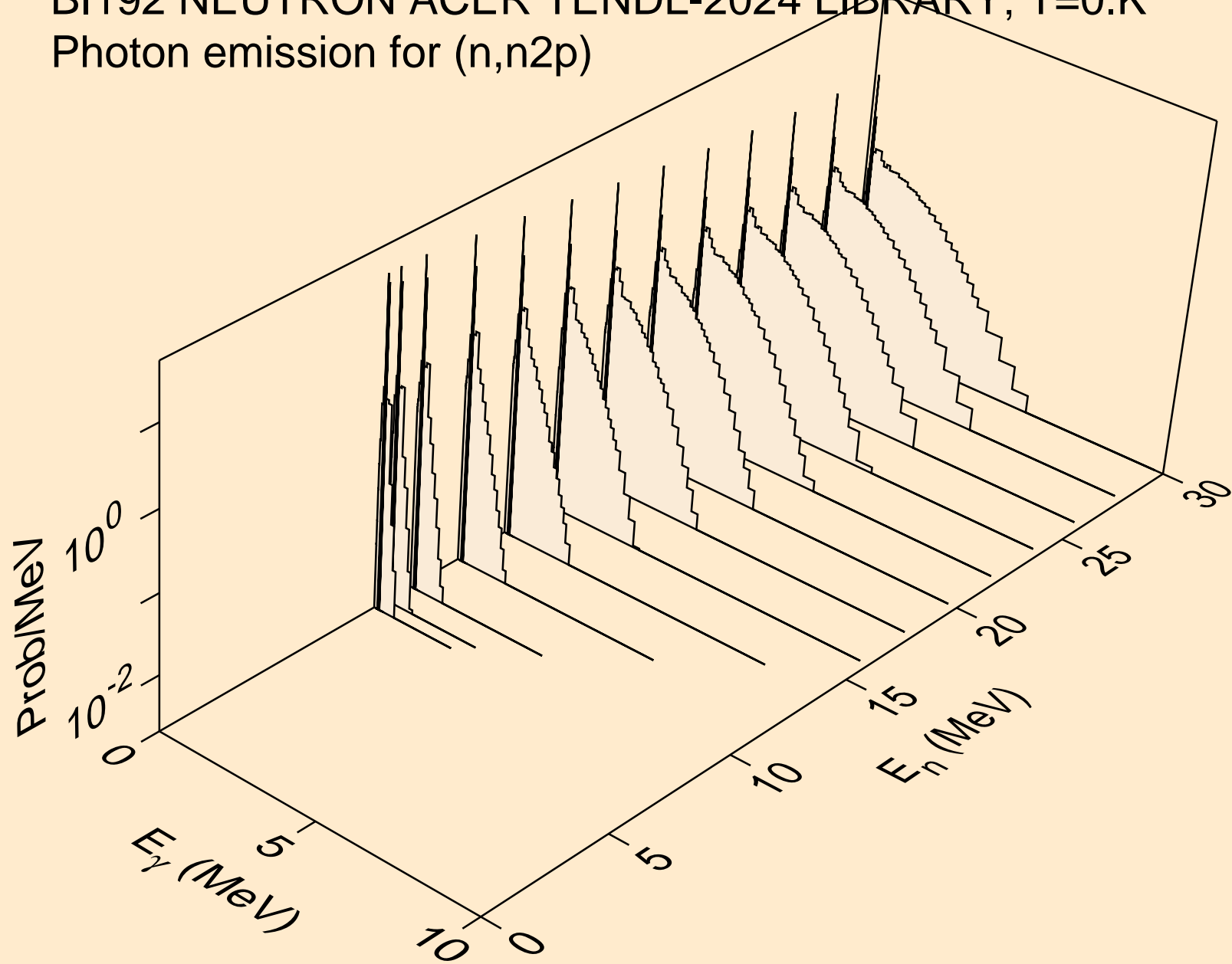




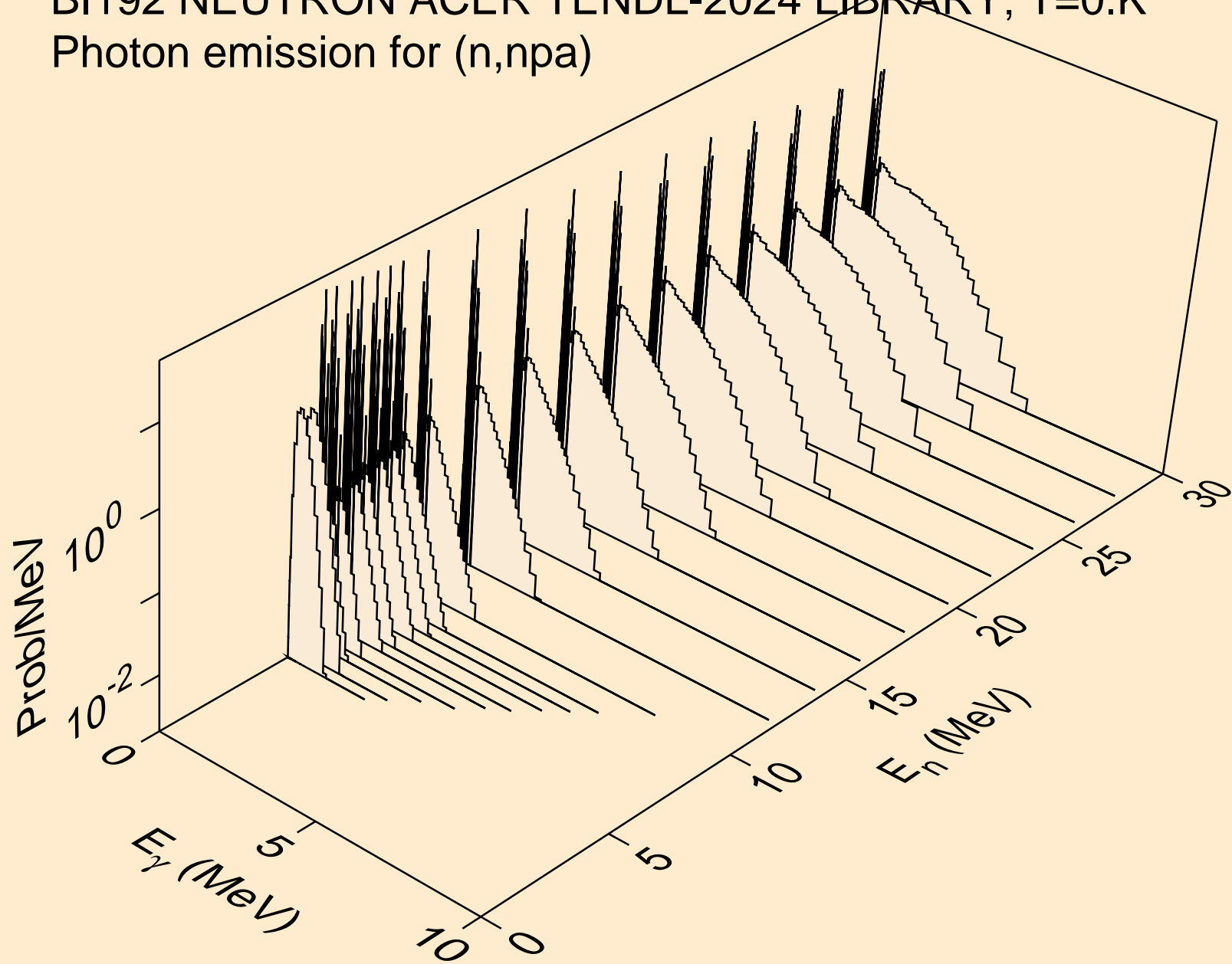
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Photon emission for (n,3np)



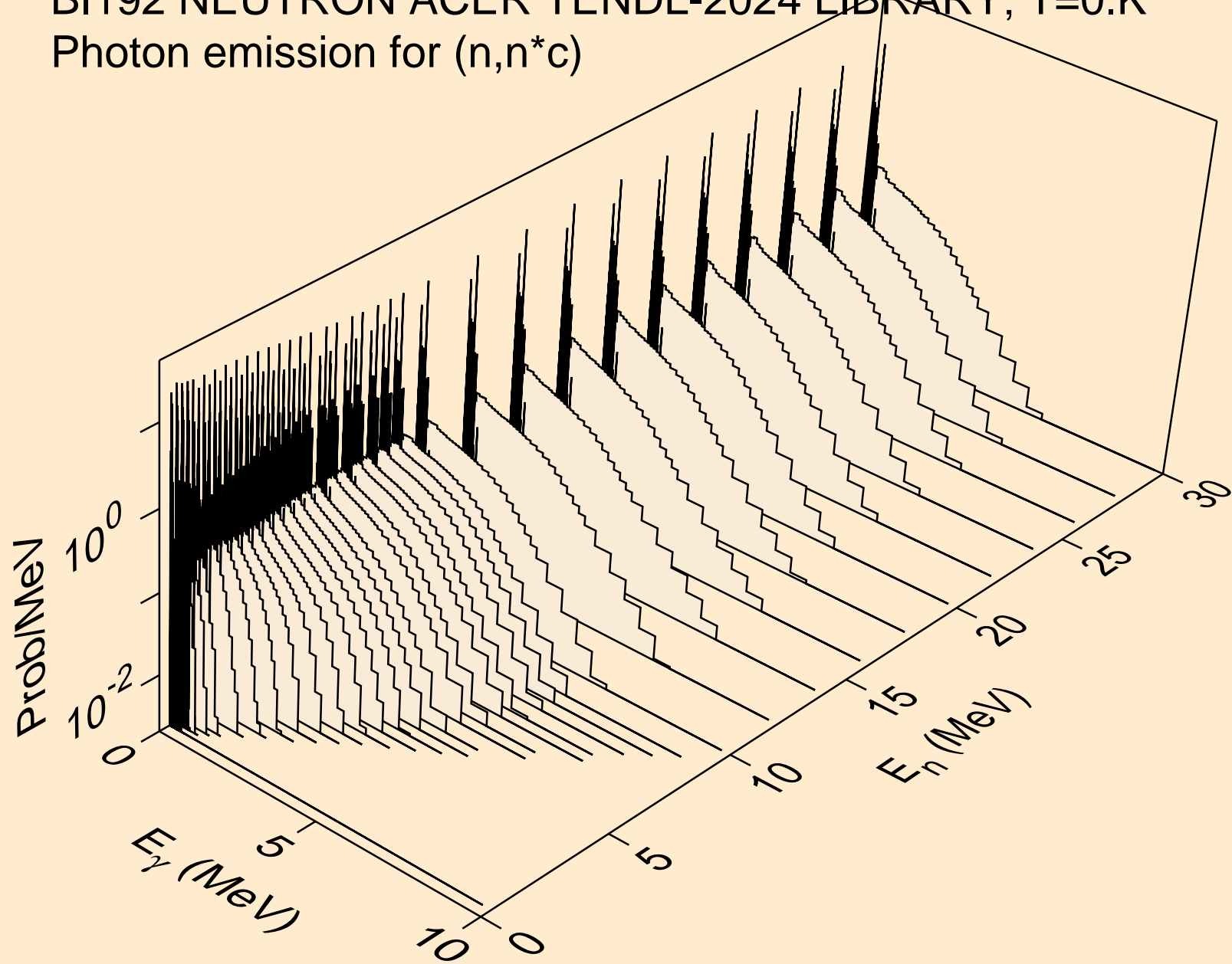
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



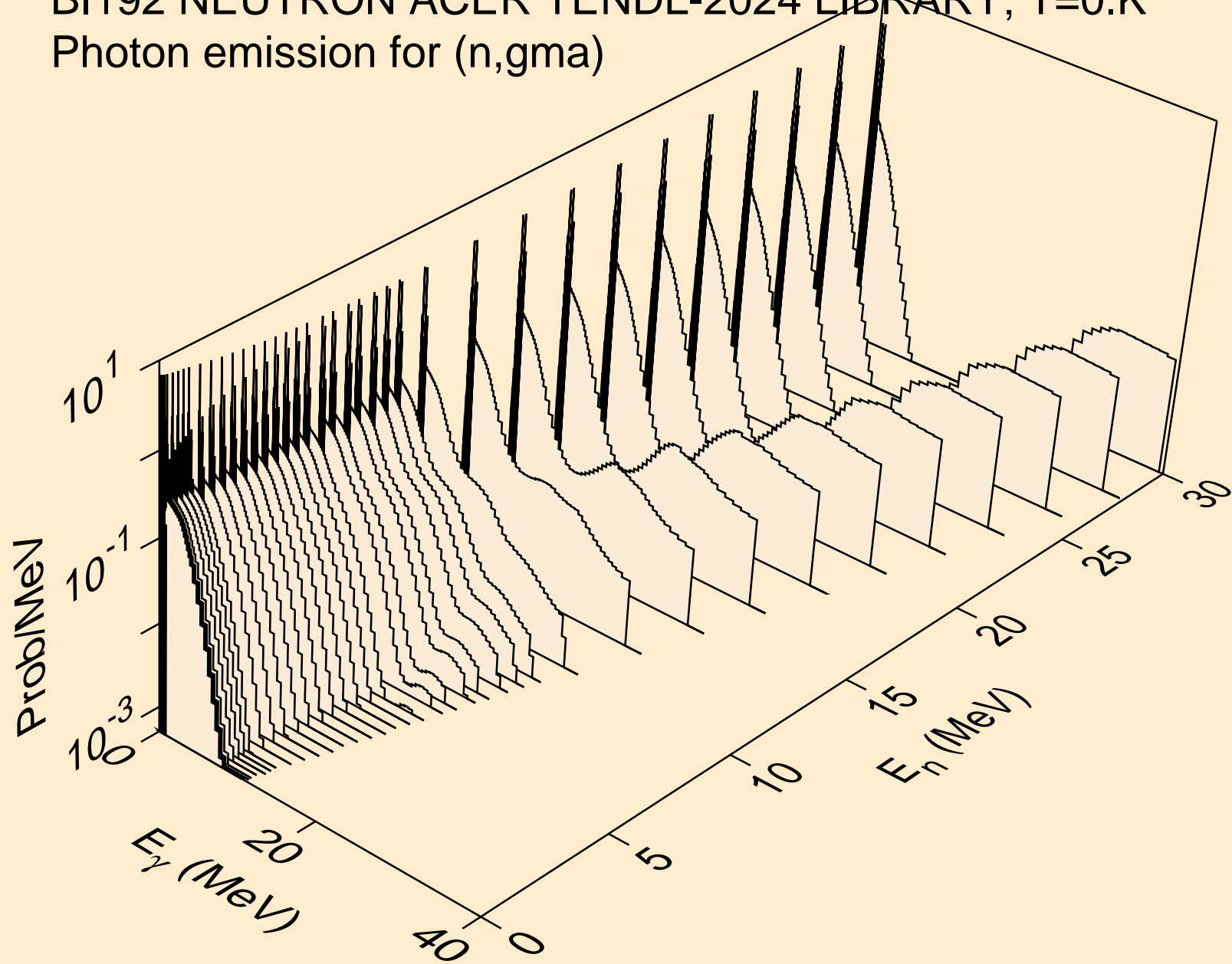
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



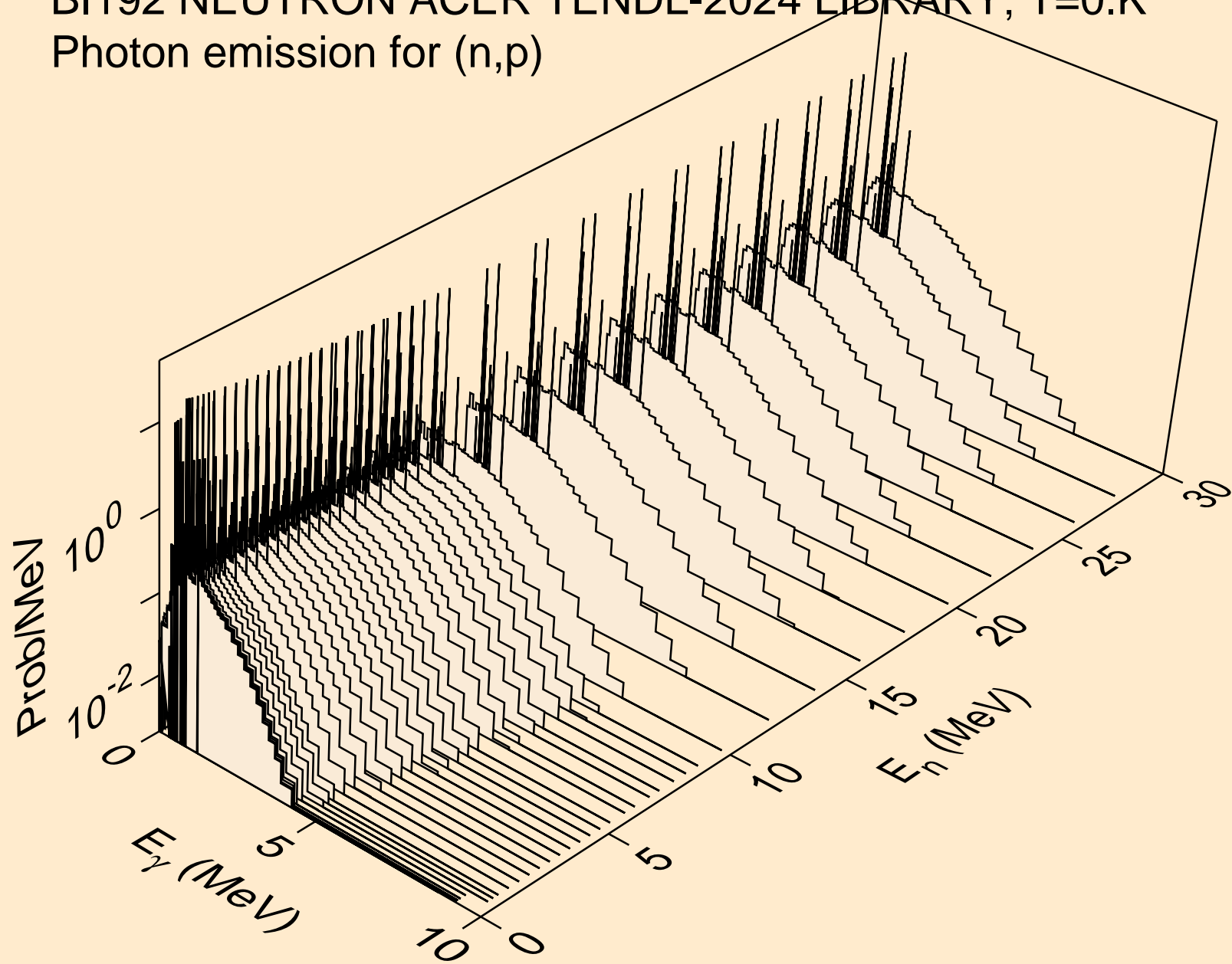
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



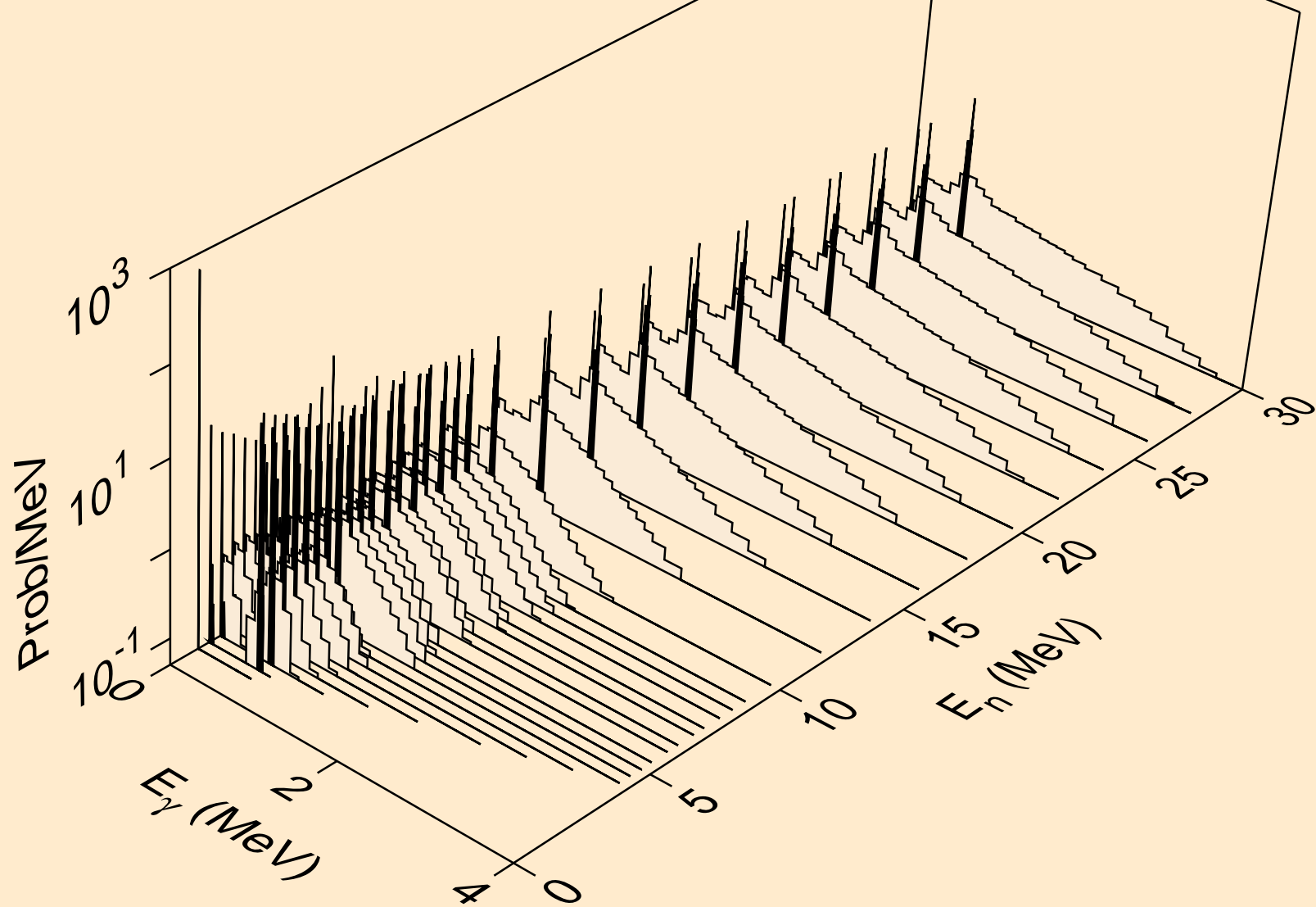
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Photon emission for (n,gma)



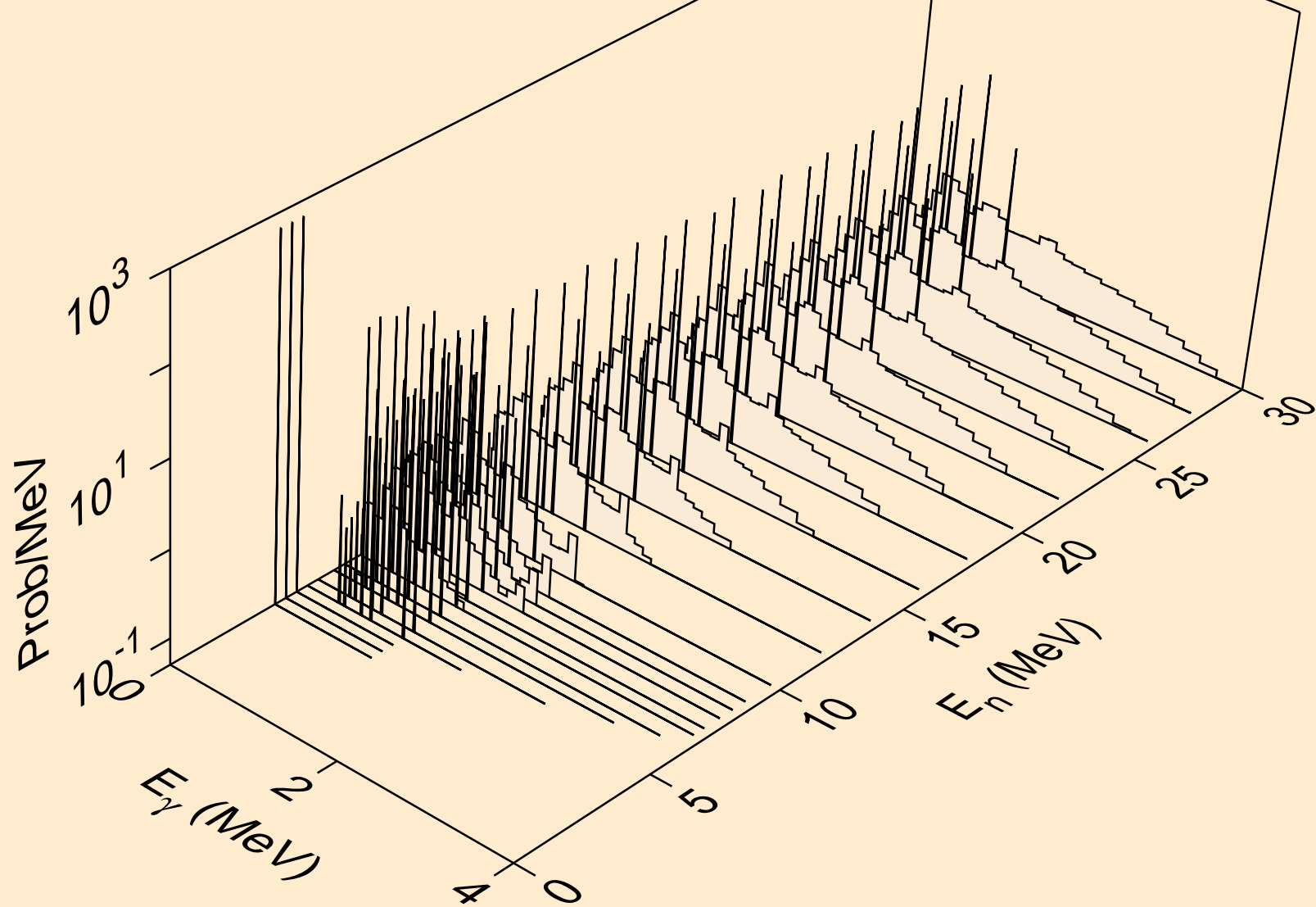
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

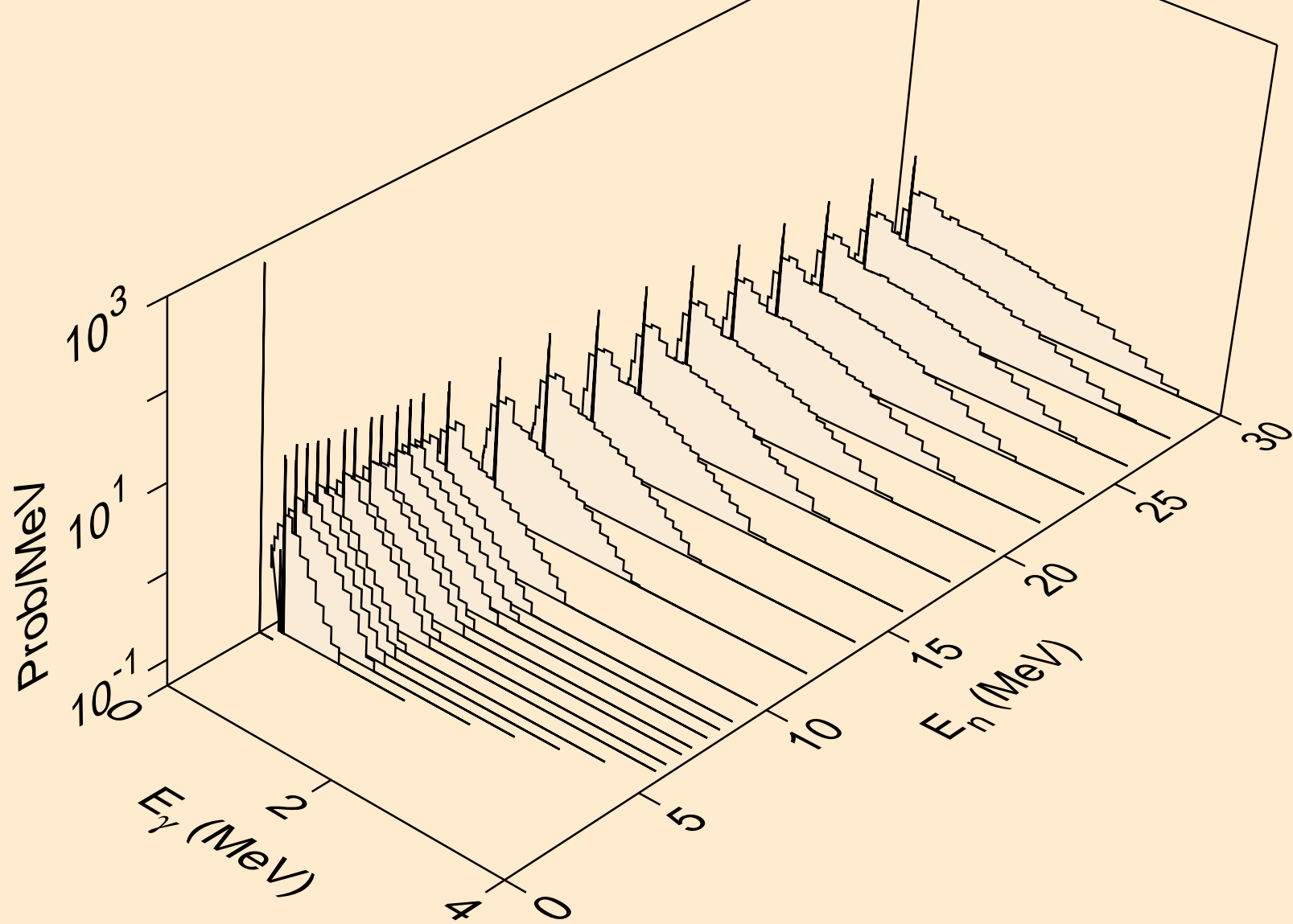


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

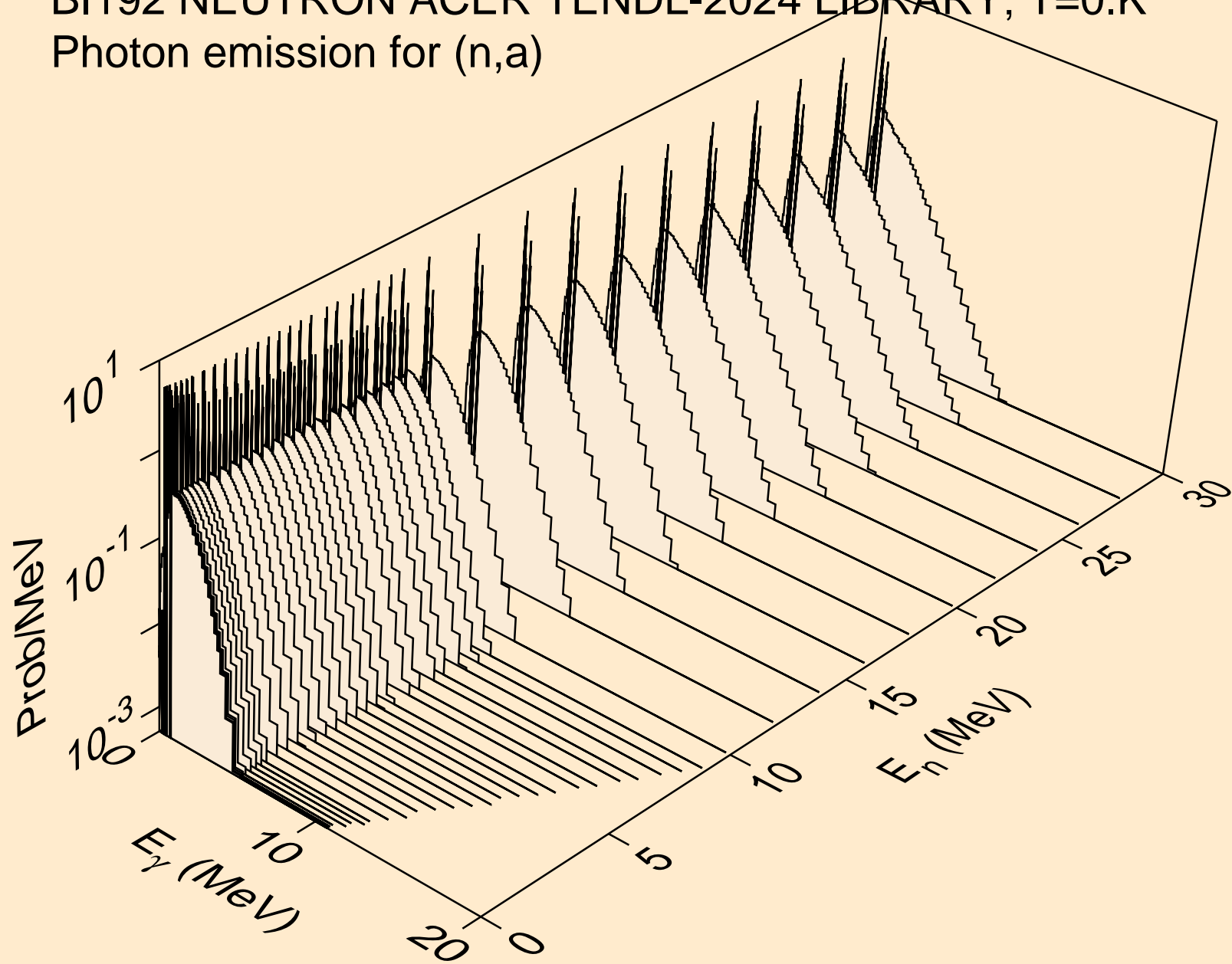




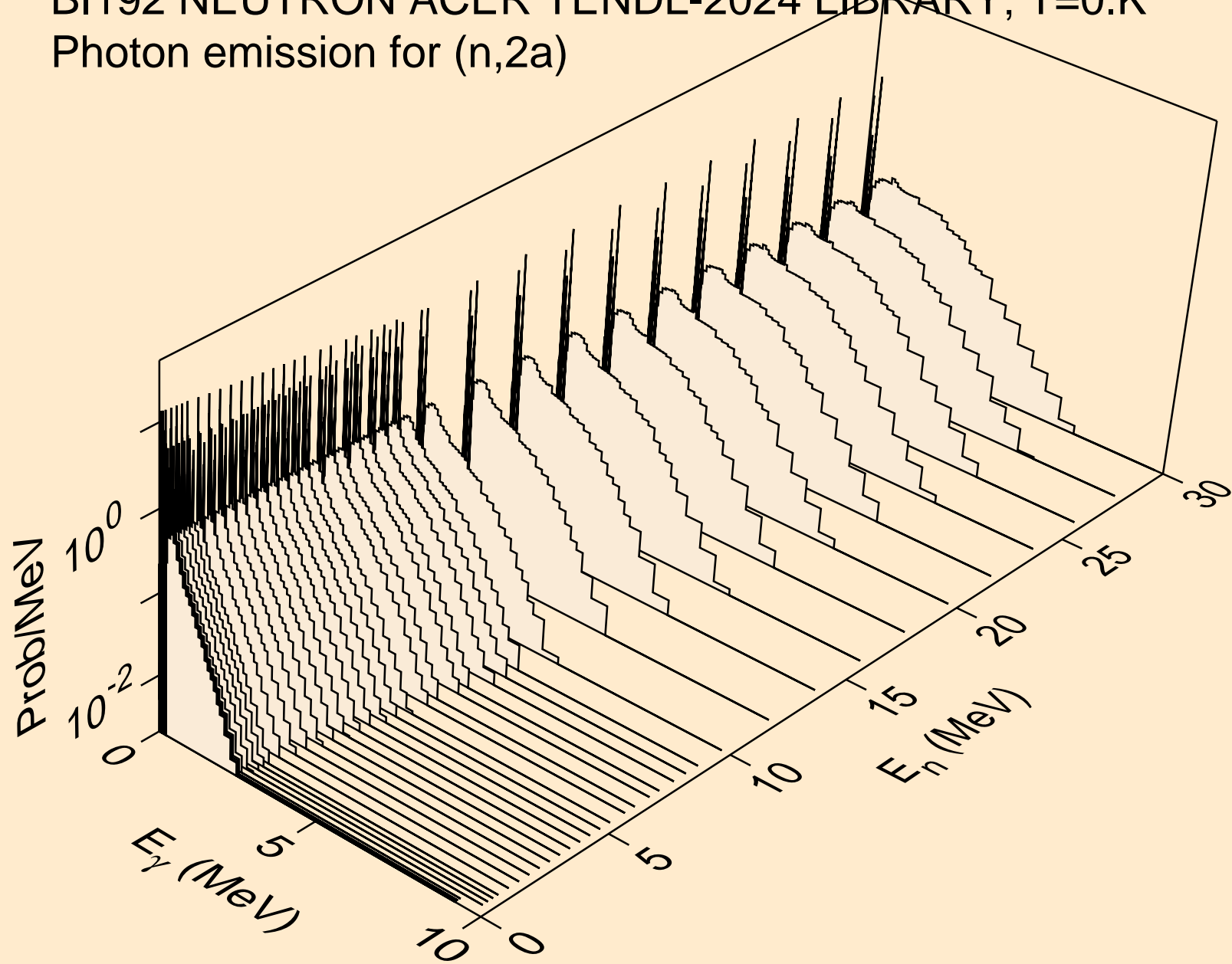
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Photon emission for (n,he3)



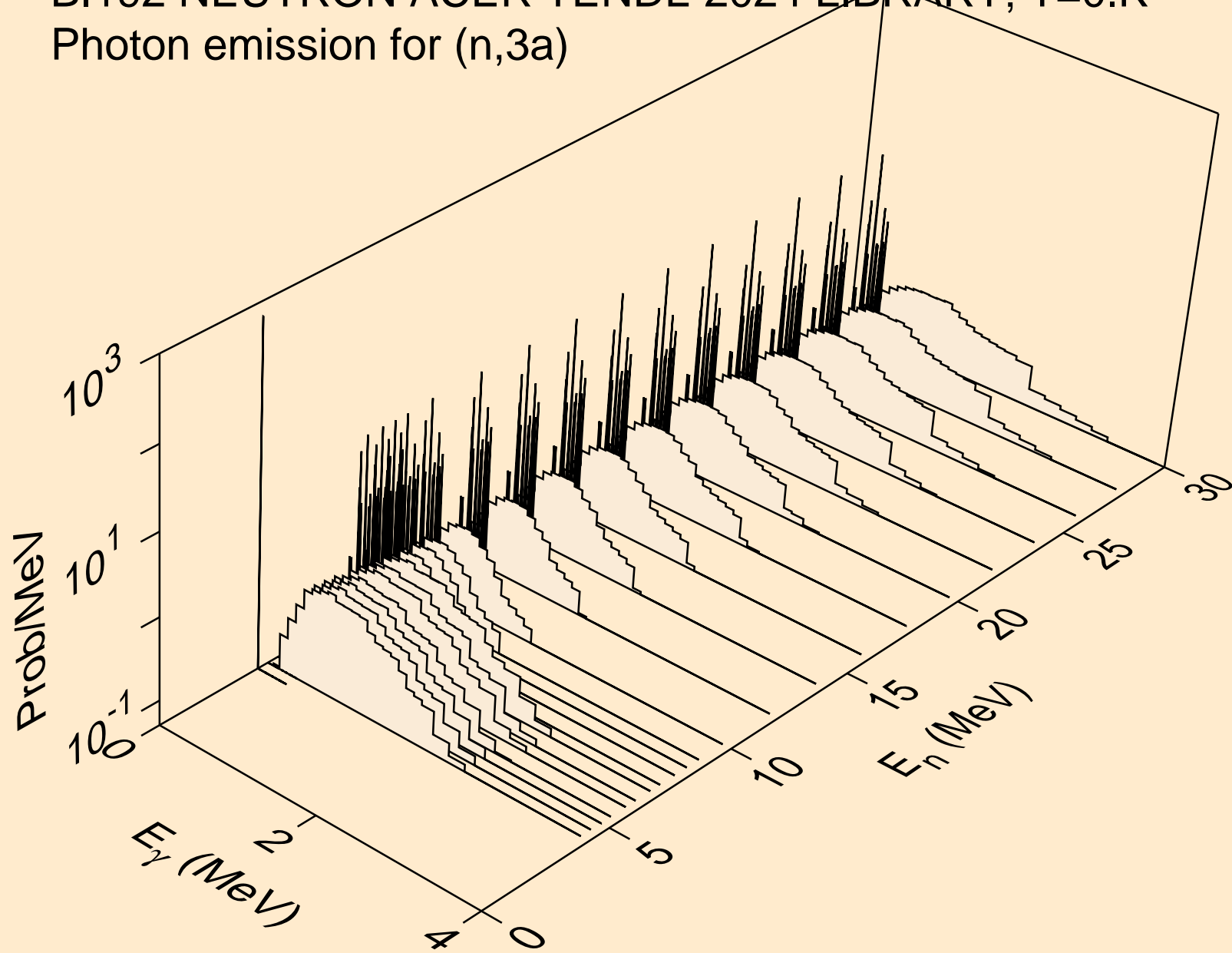
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



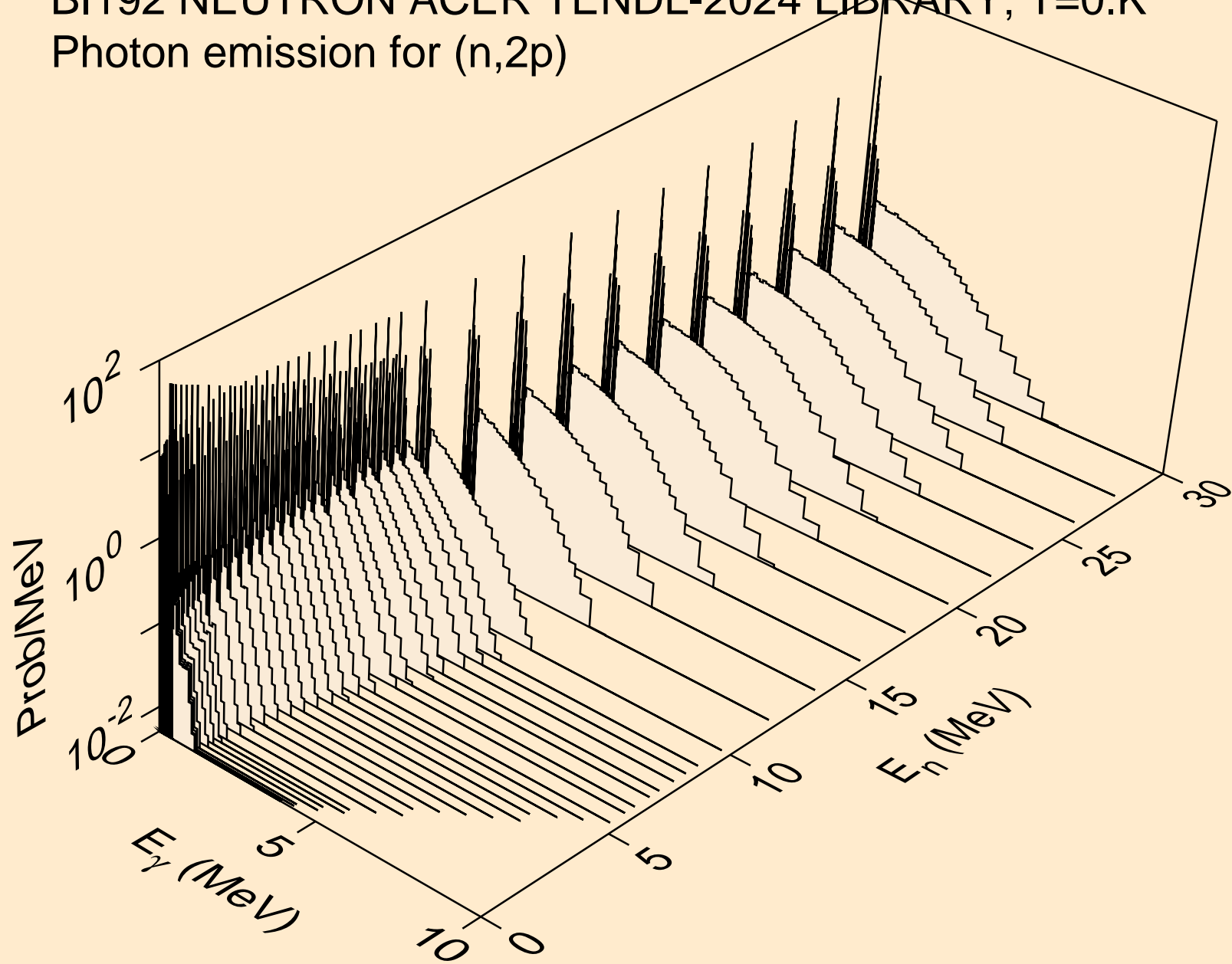
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Photon emission for (n,2a)



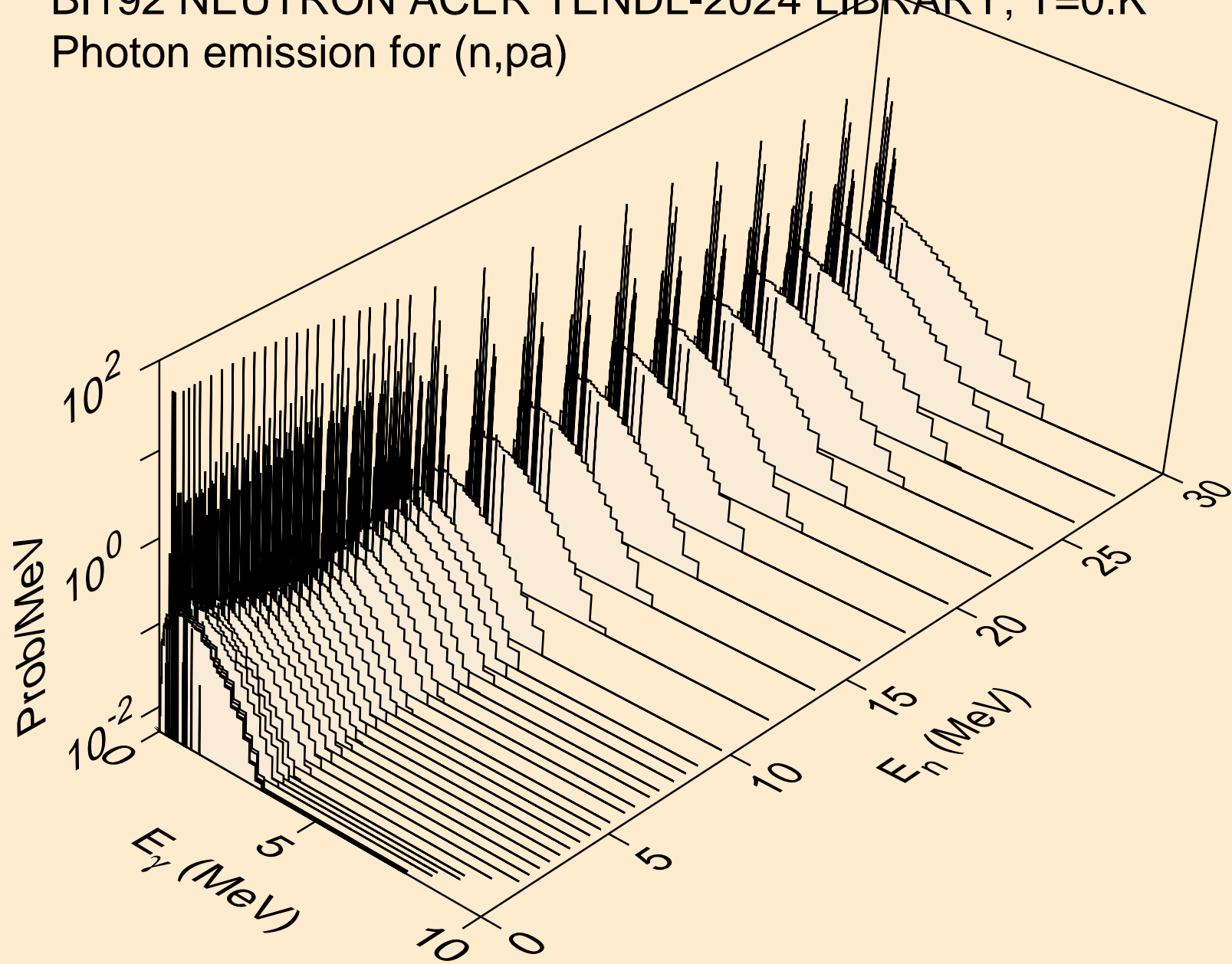
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



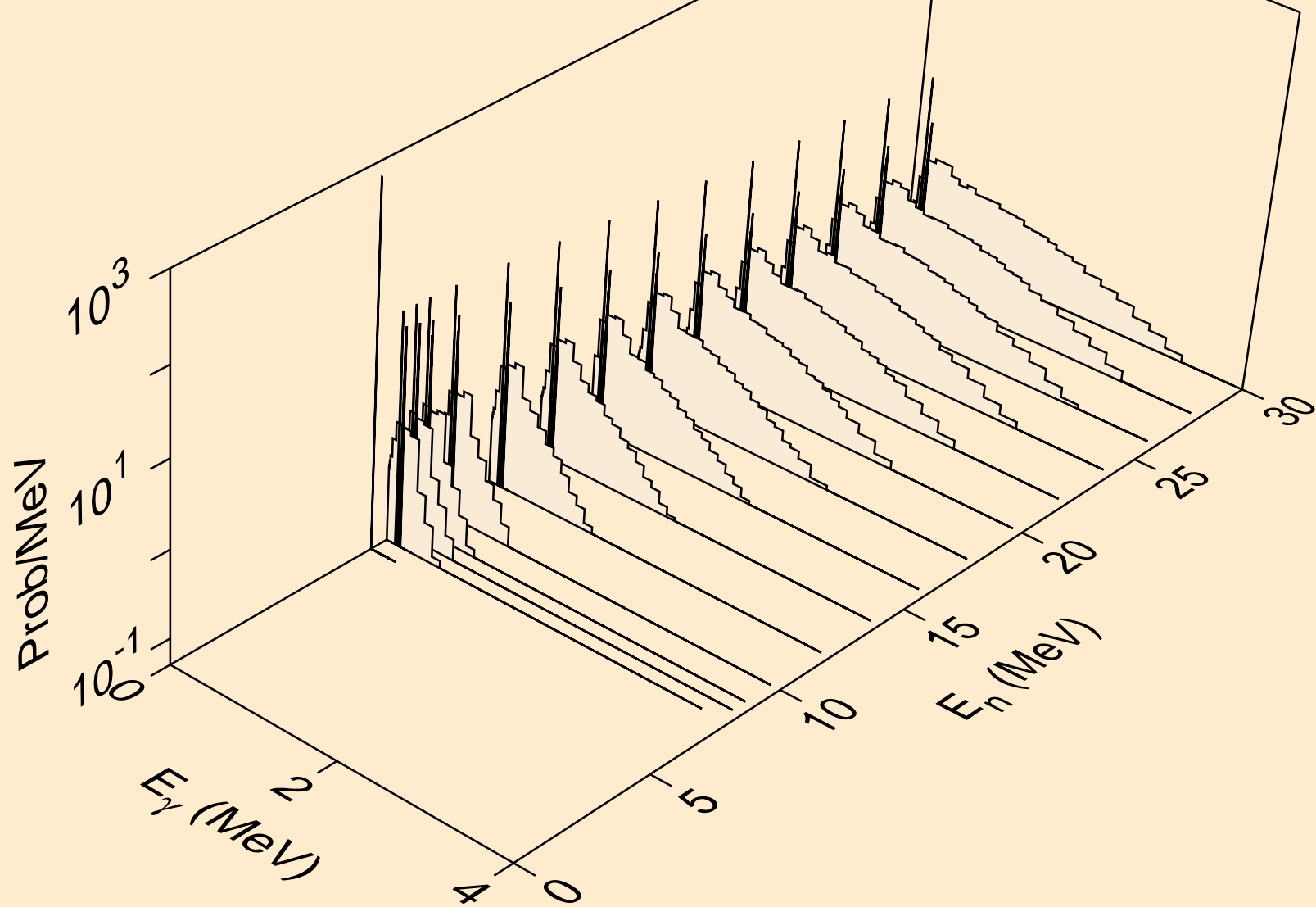
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Photon emission for (n,2p)



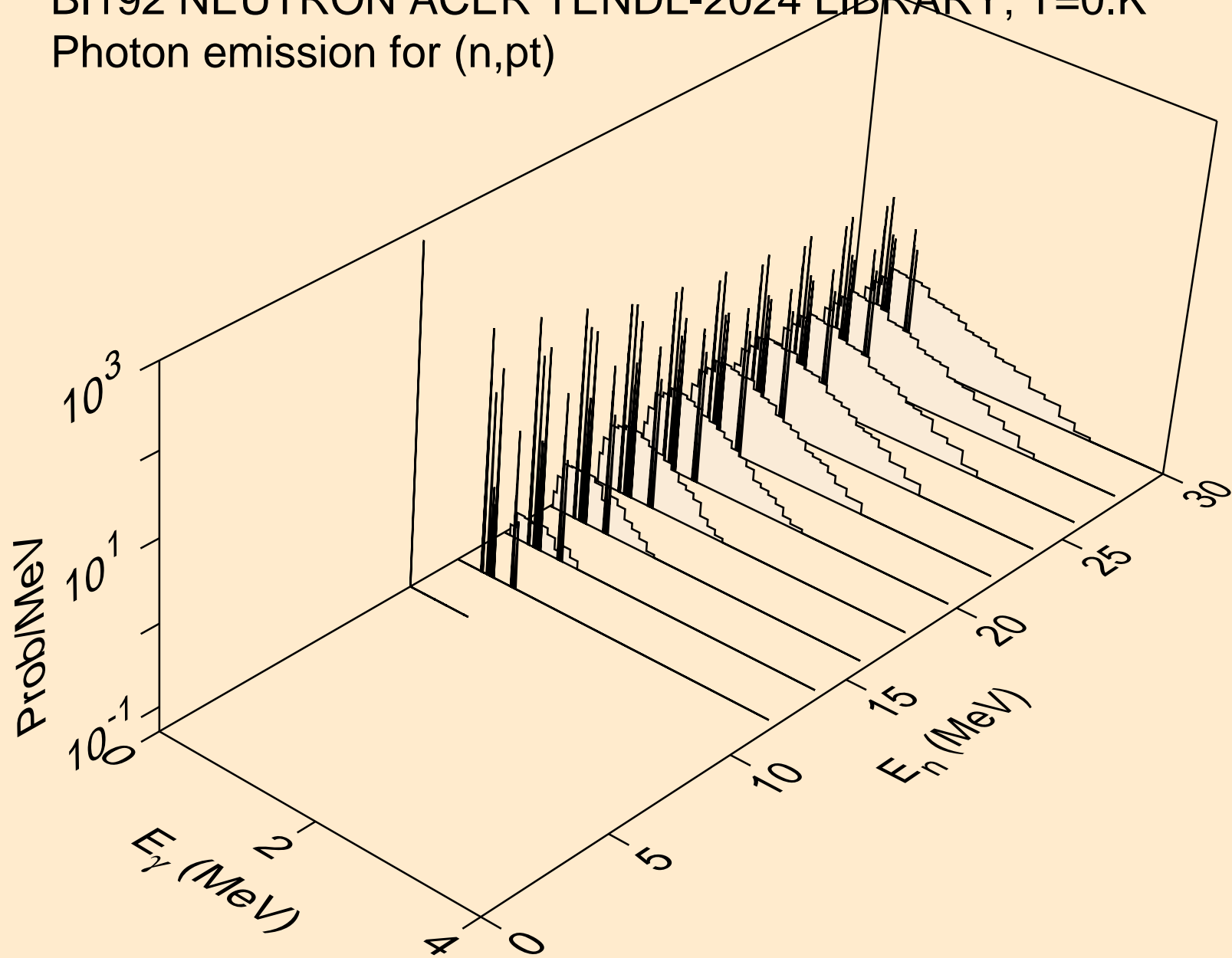
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

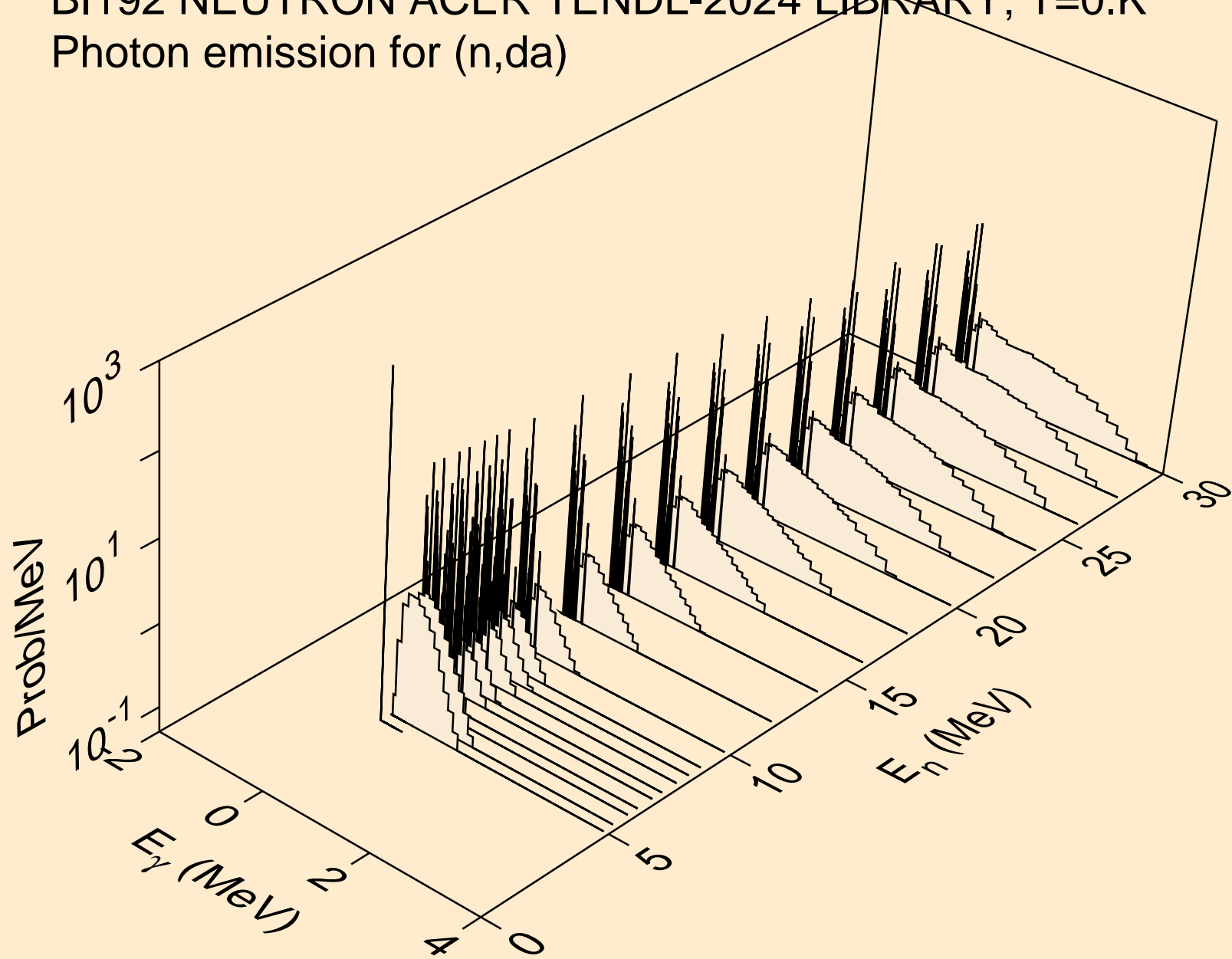


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

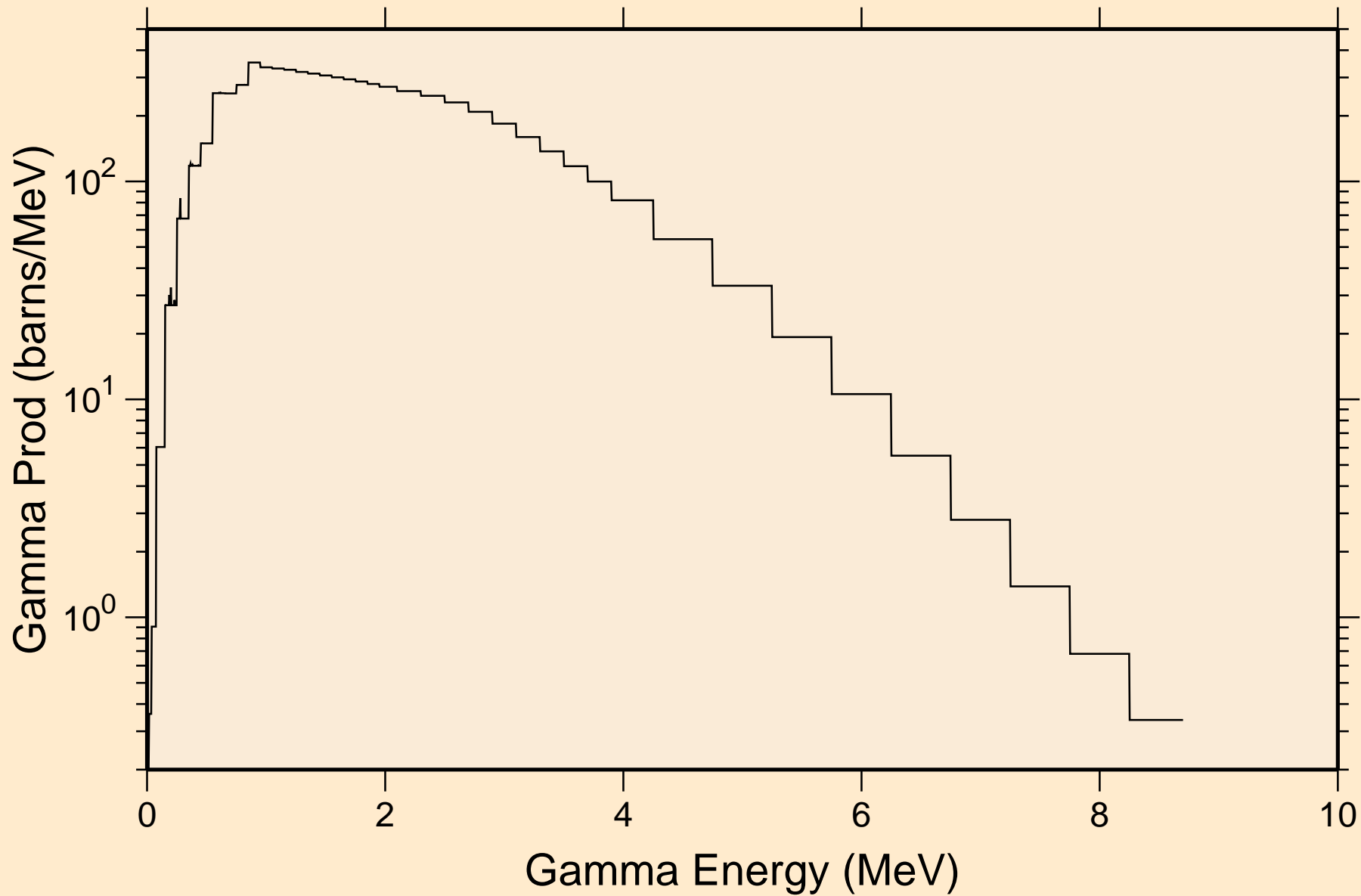




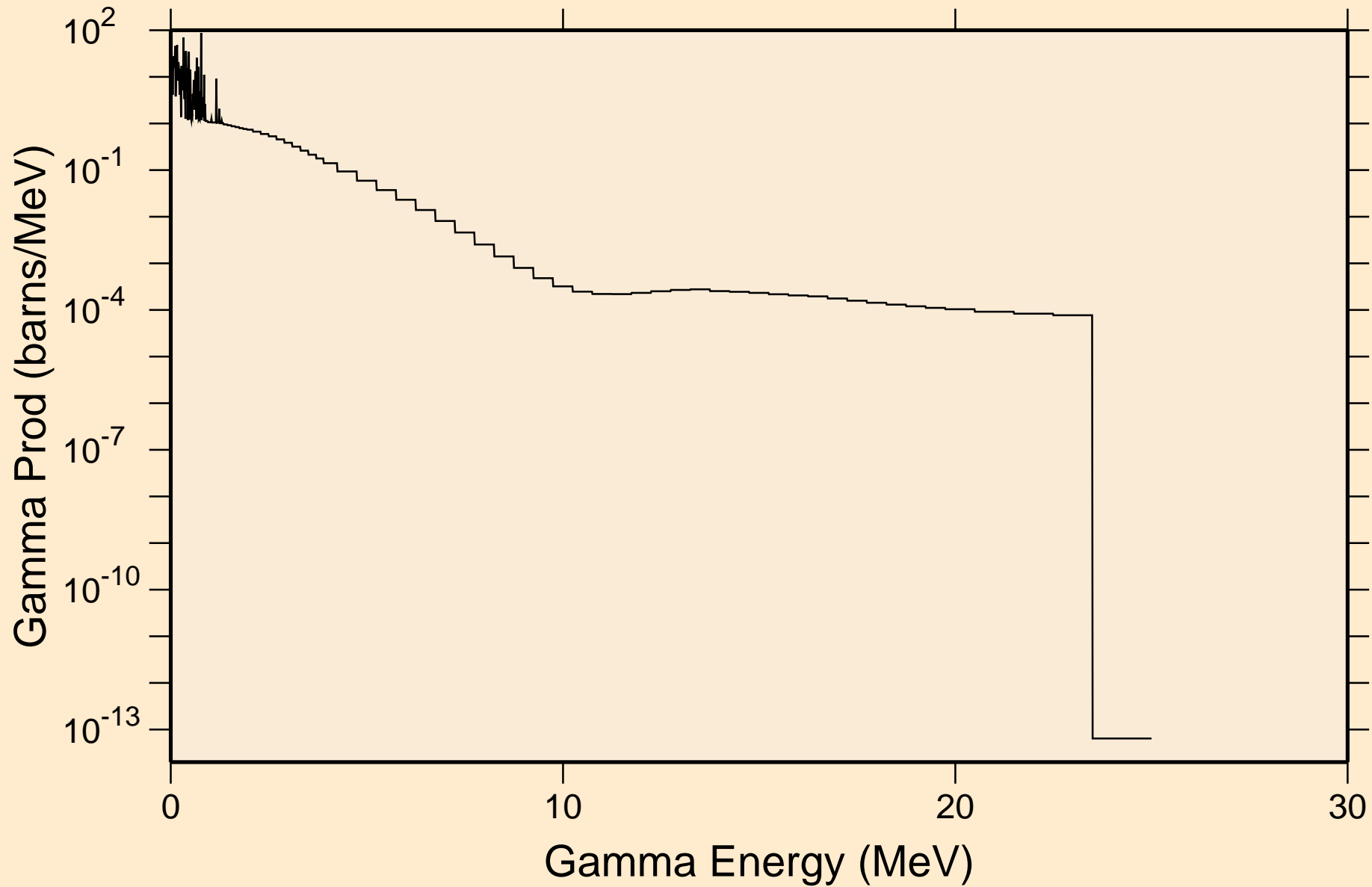
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Photon emission for (n,da)



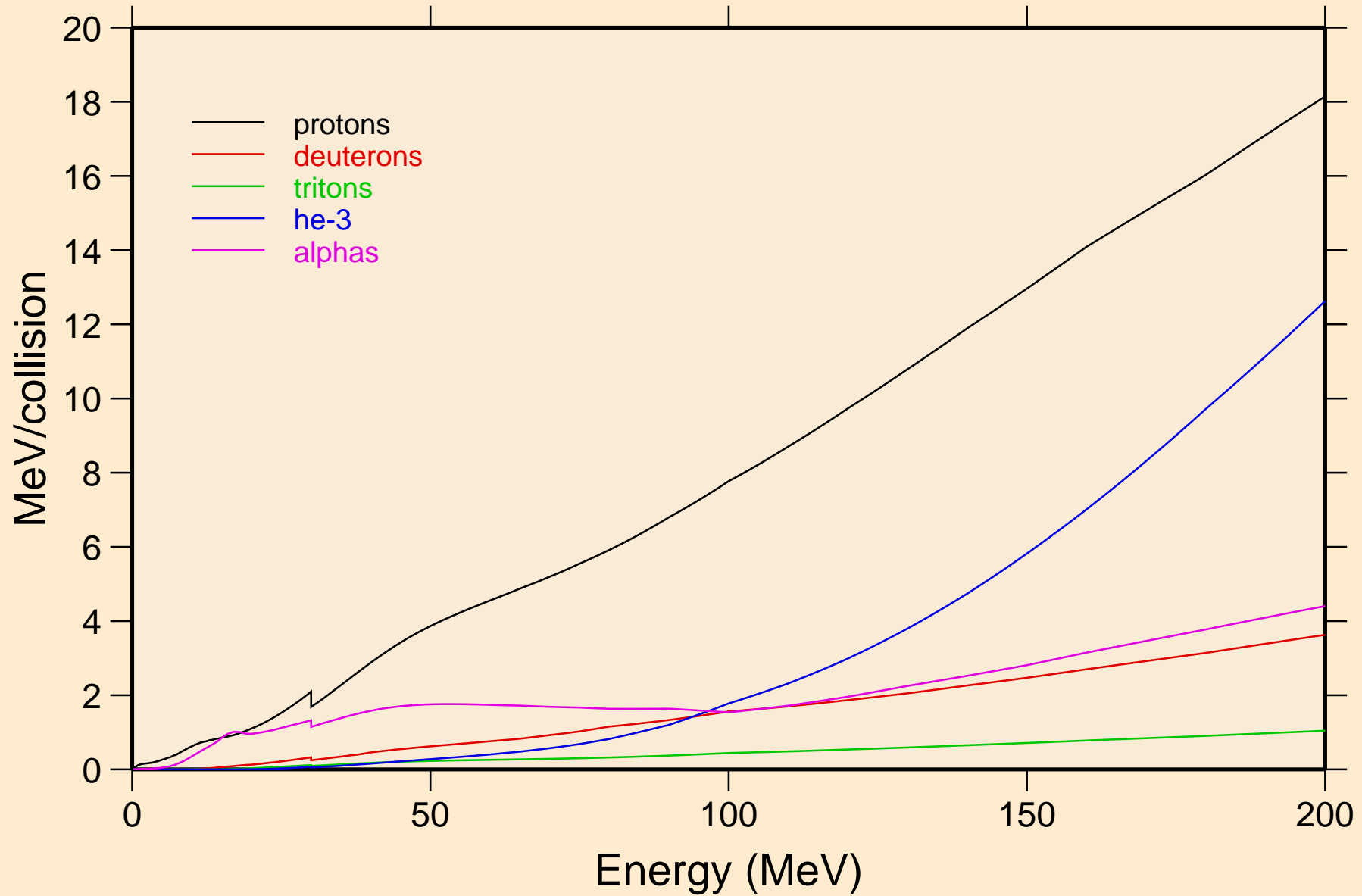
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



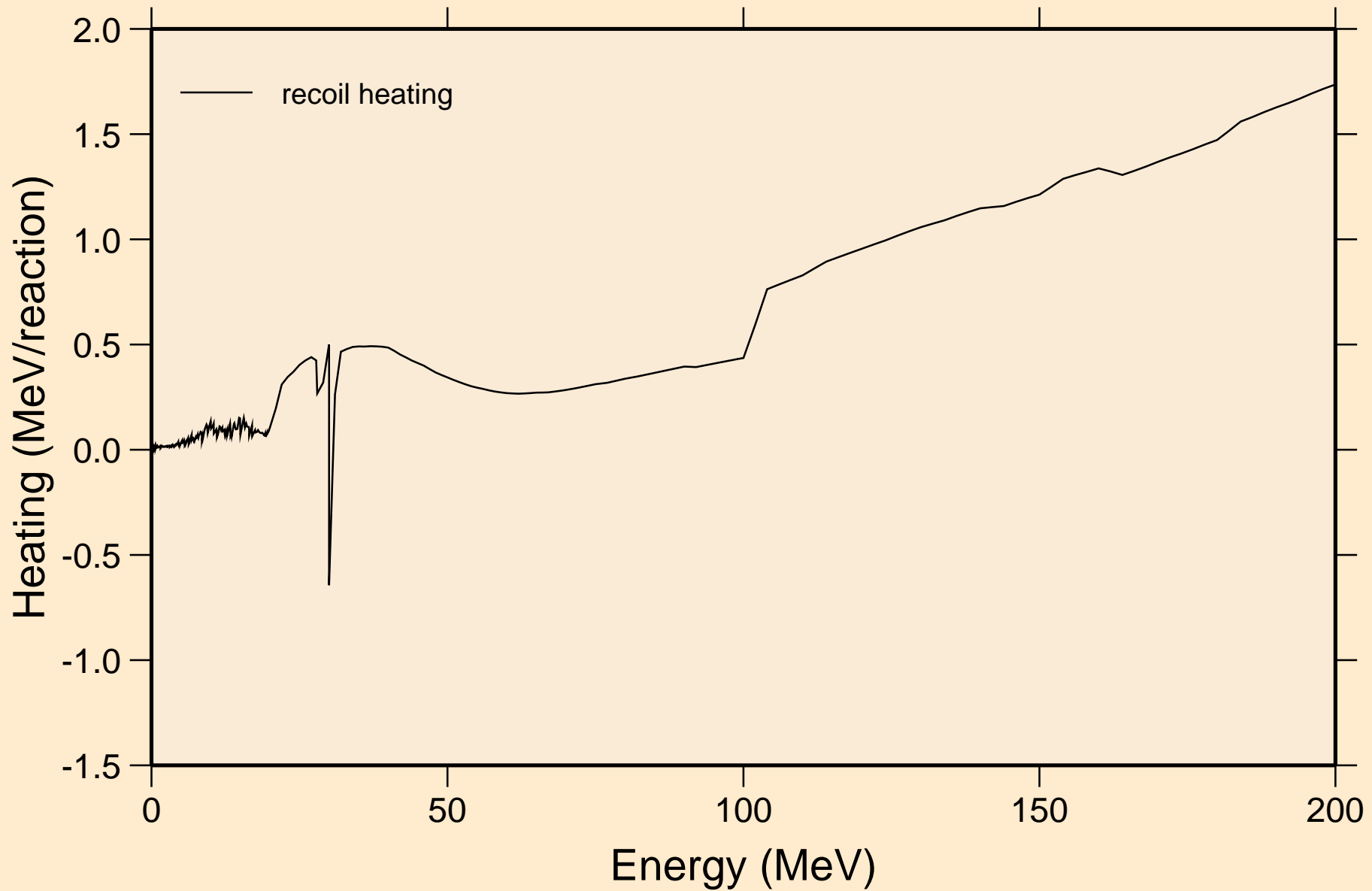
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14 MeV photon spectrum



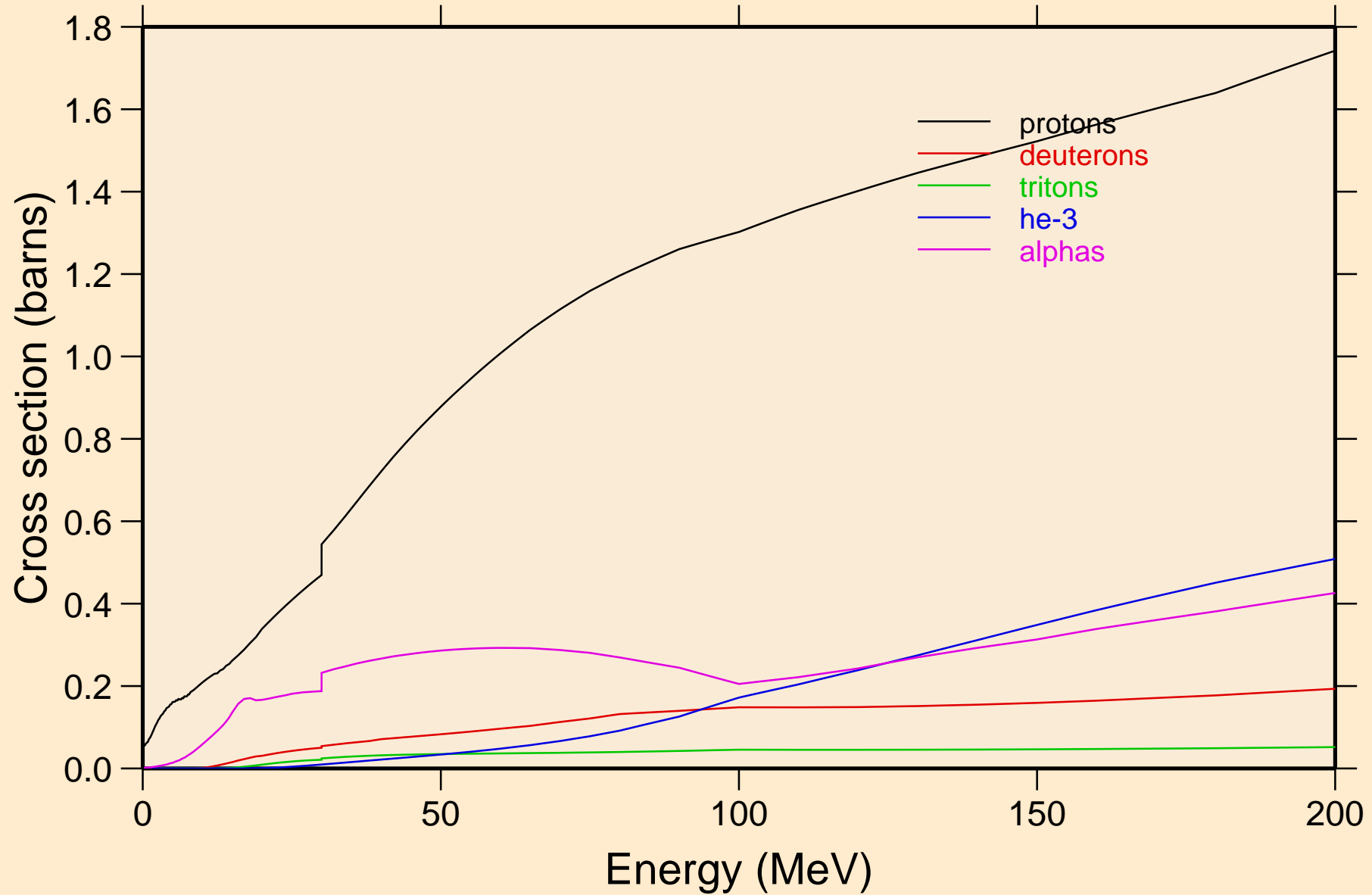
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Particle heating contributions



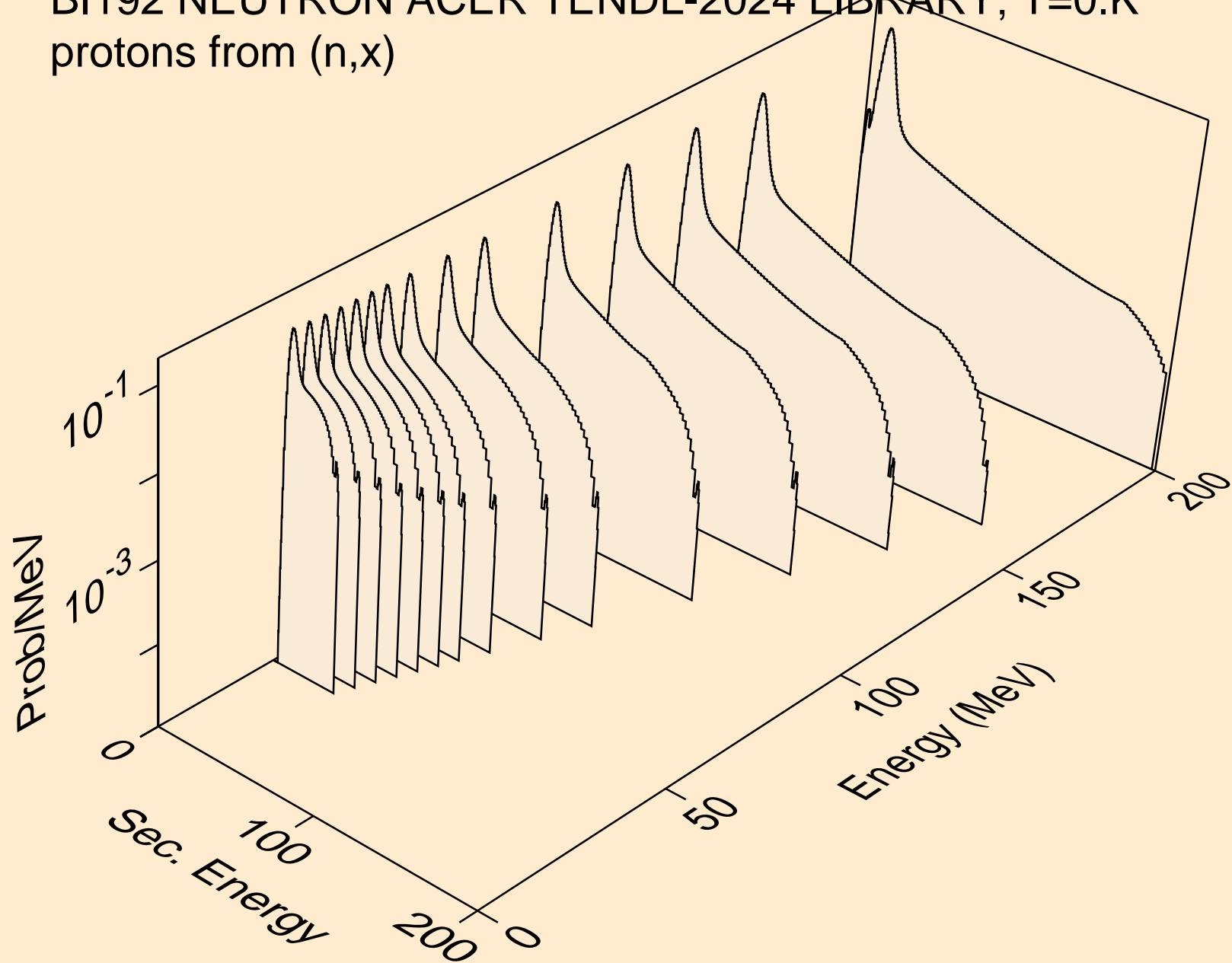
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Recoil Heating



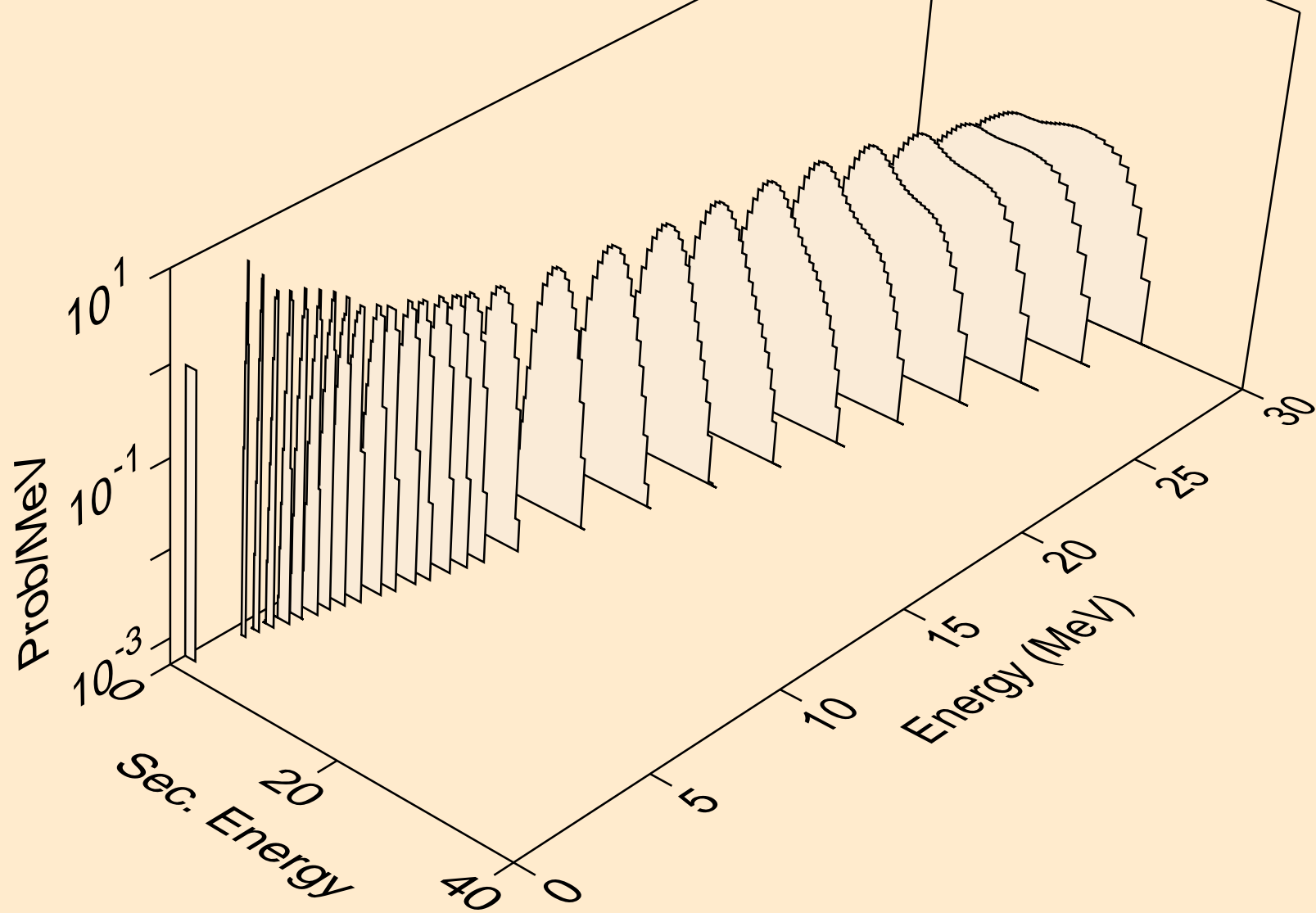
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

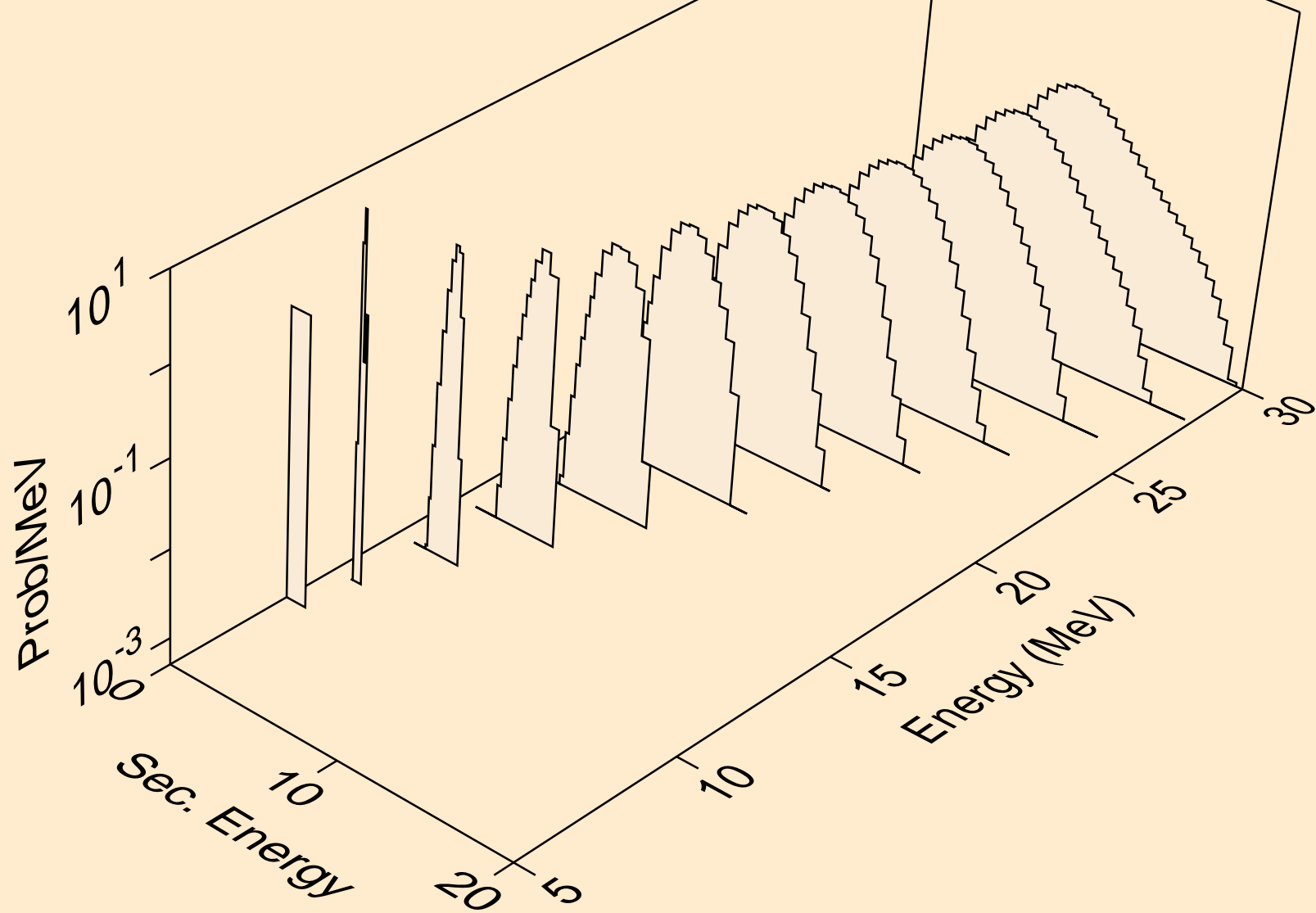


BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

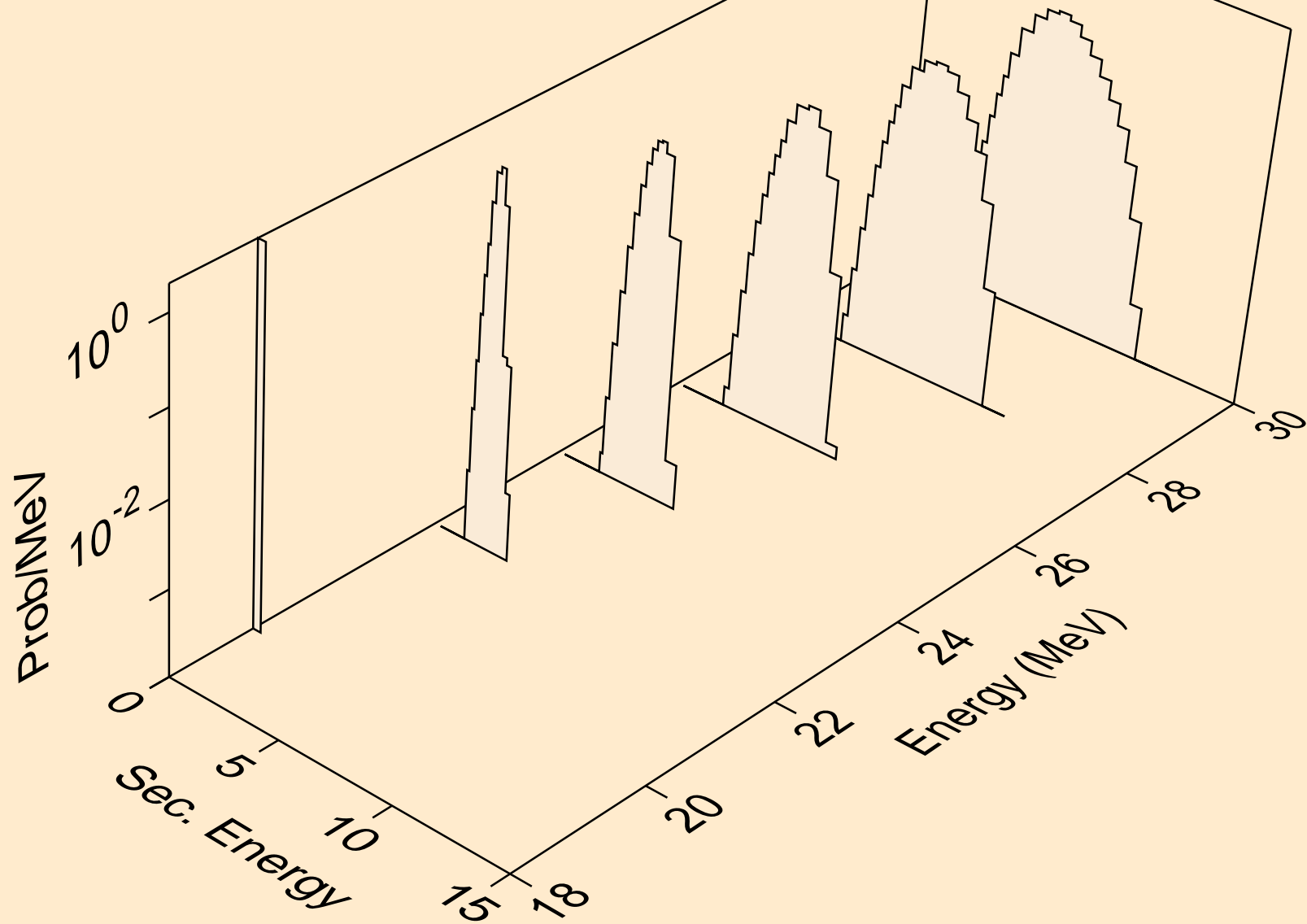




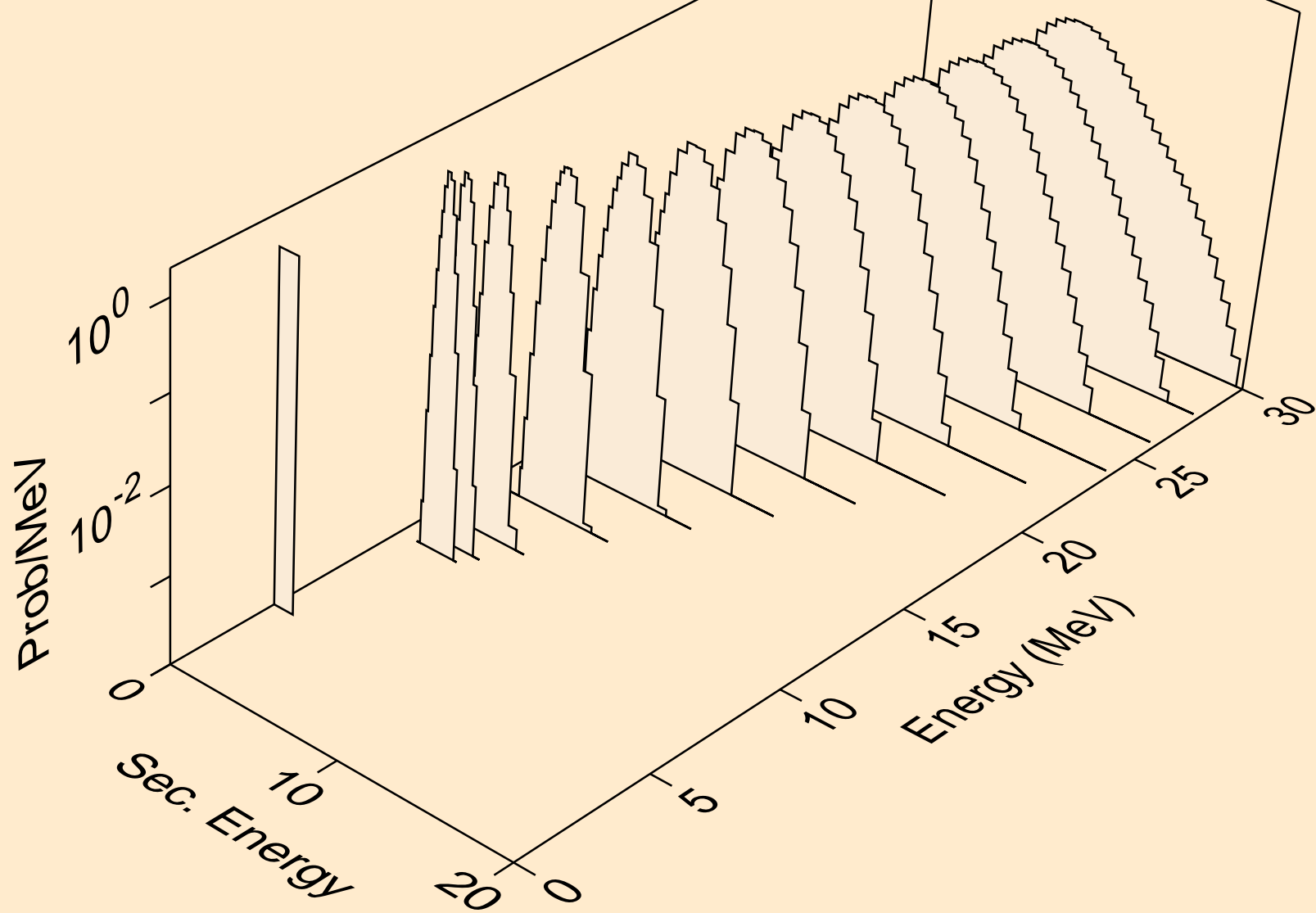
BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



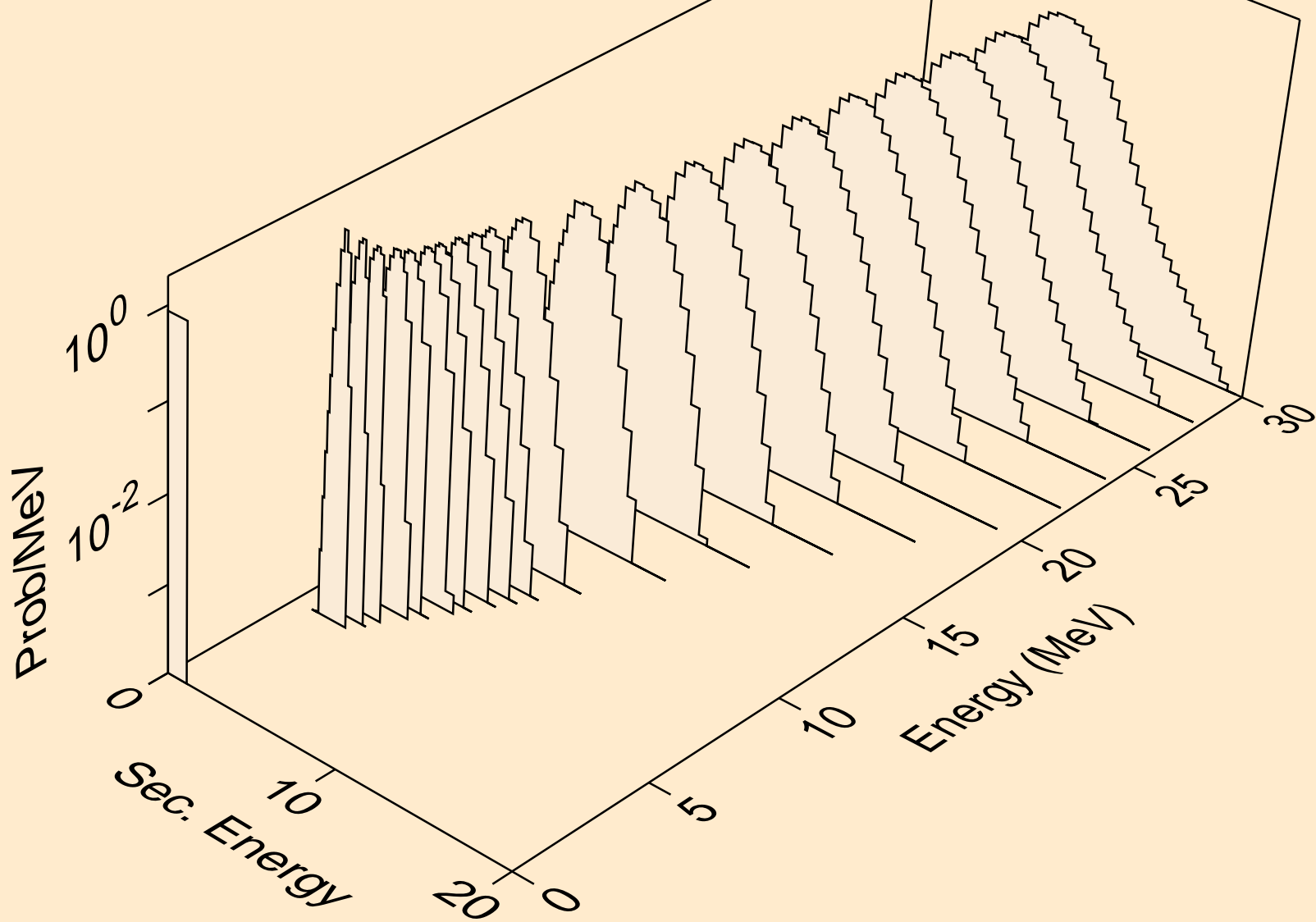
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protons from (n,3np)



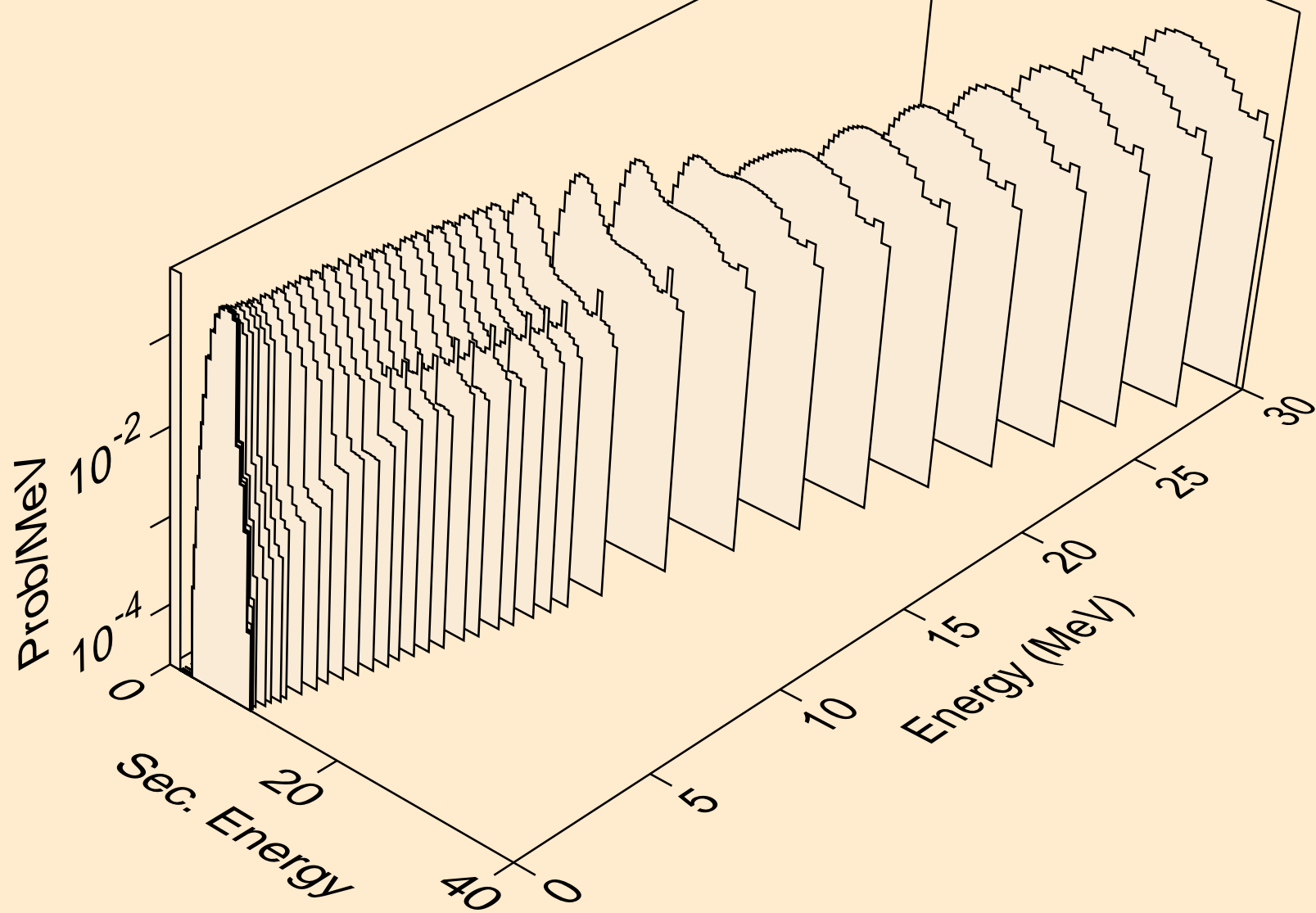
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protons from (n,n2p)



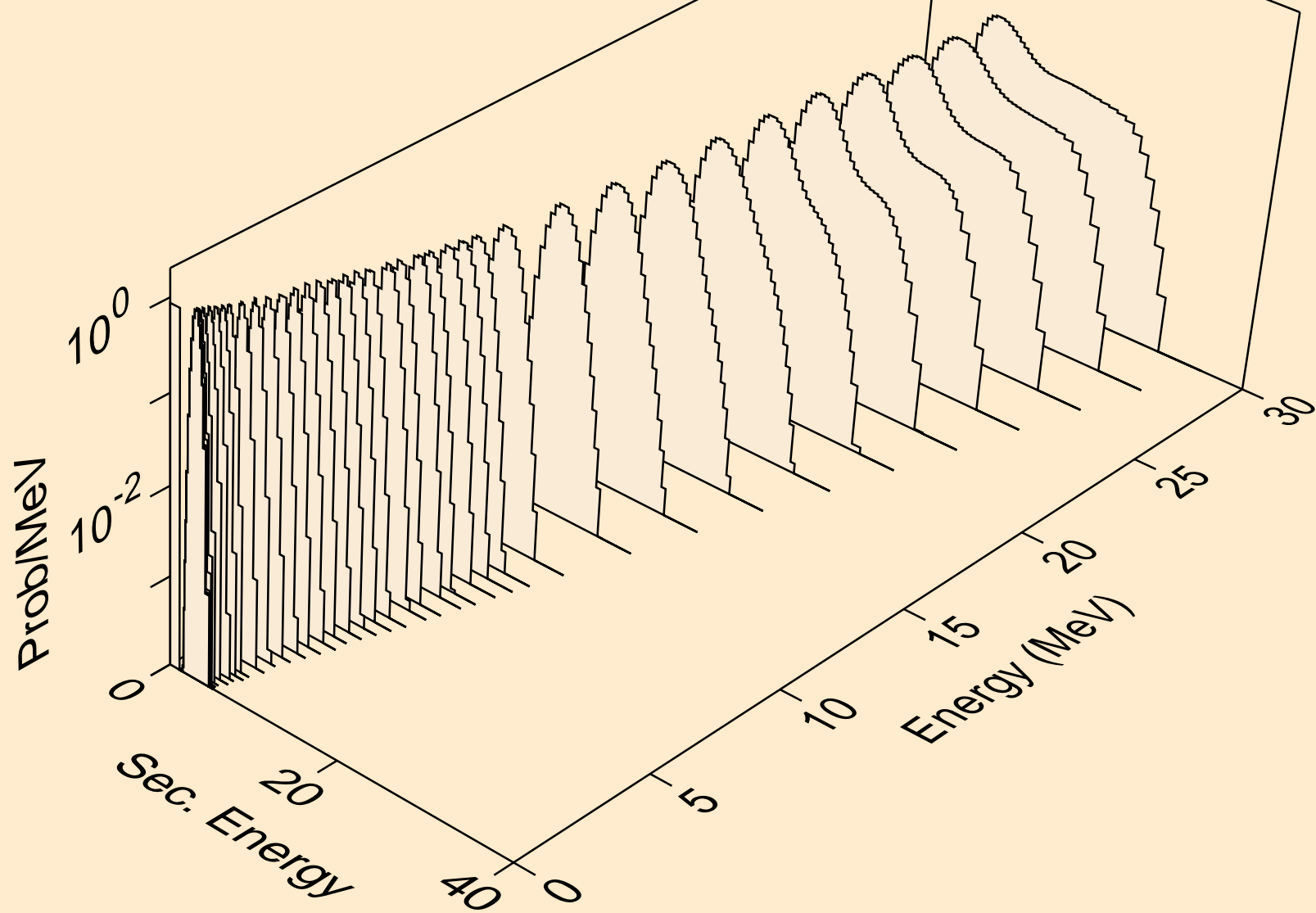
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protons from (n,npa)



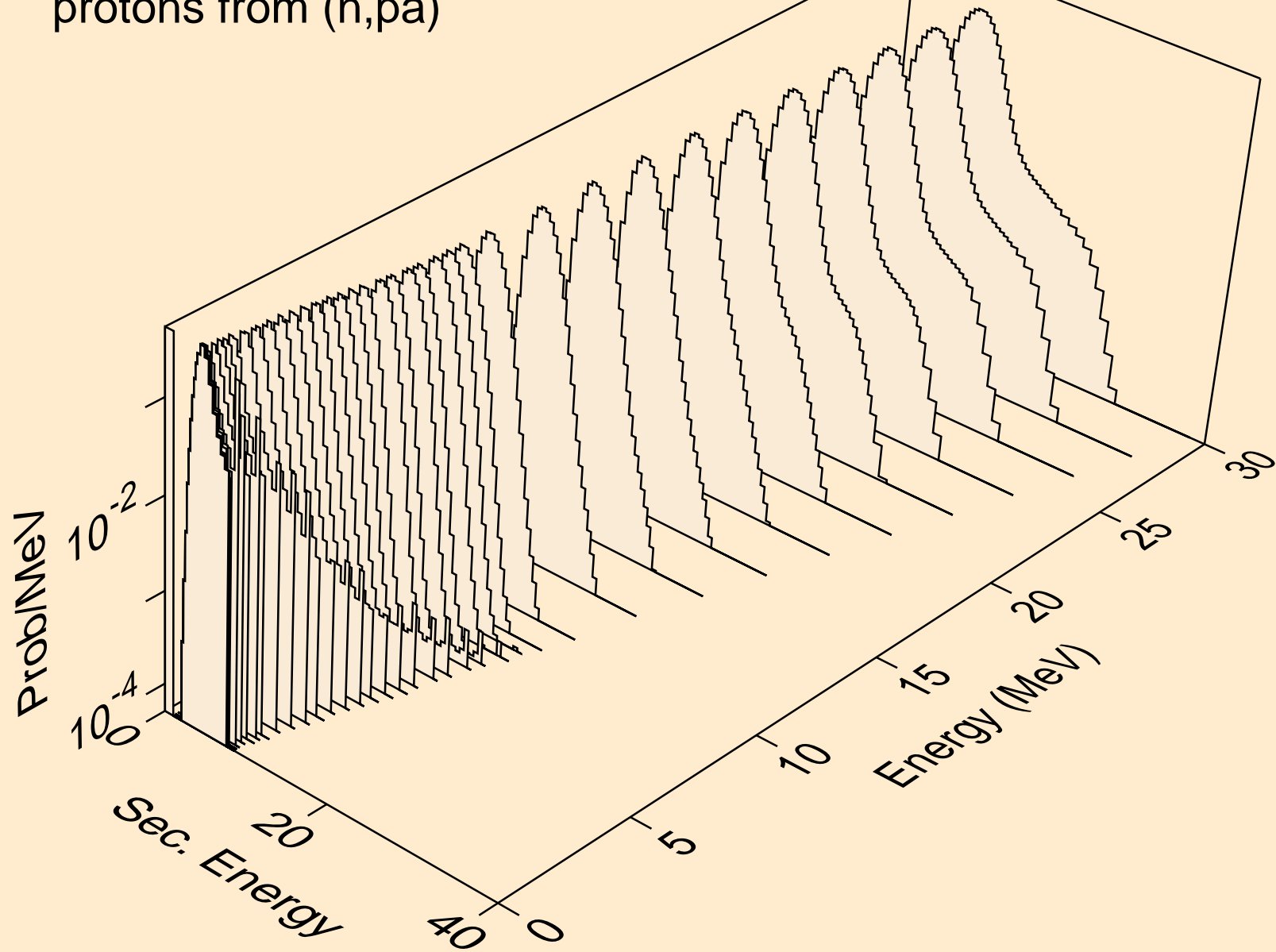
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protons from (n,p)



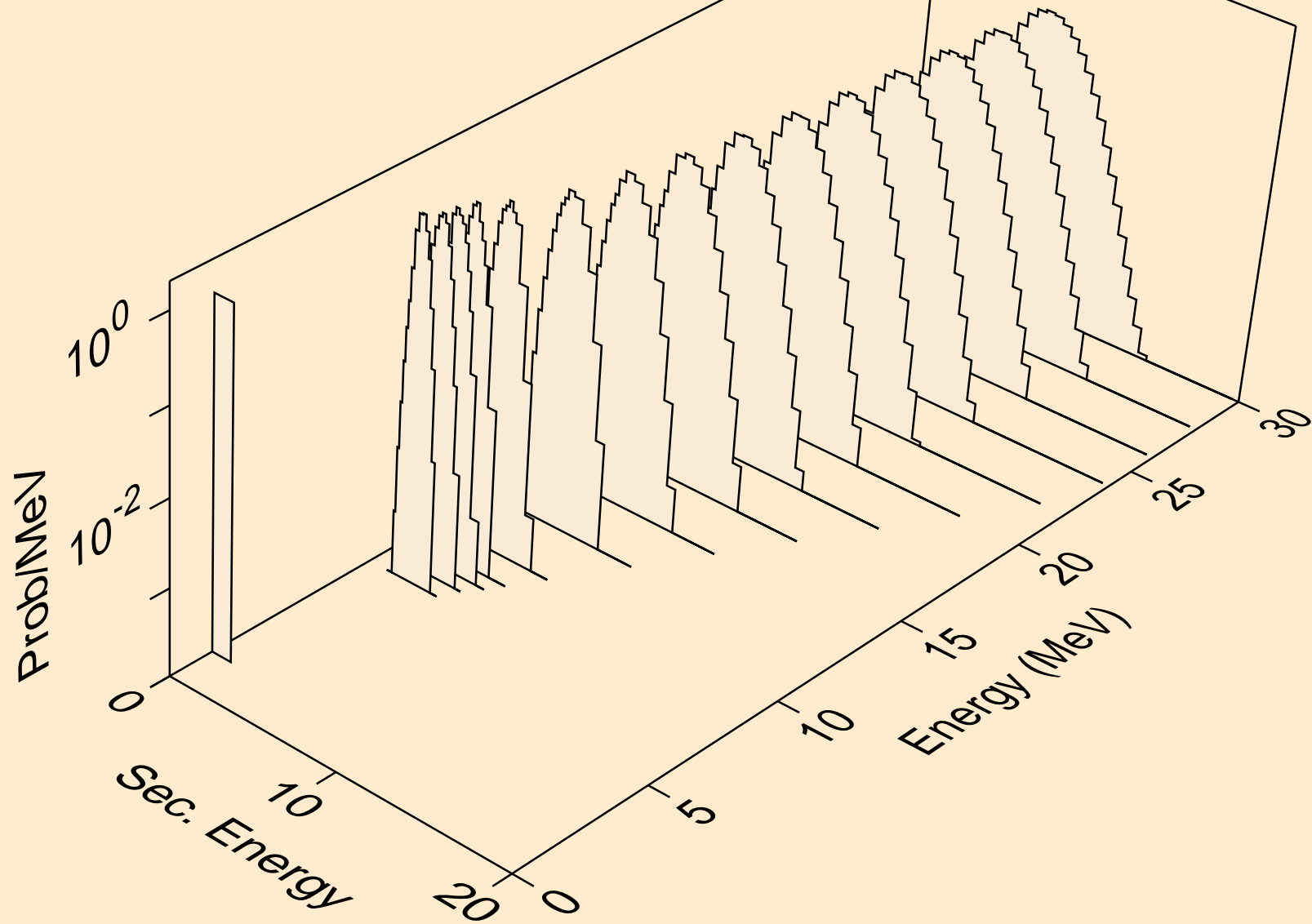
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protons from (n,2p)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

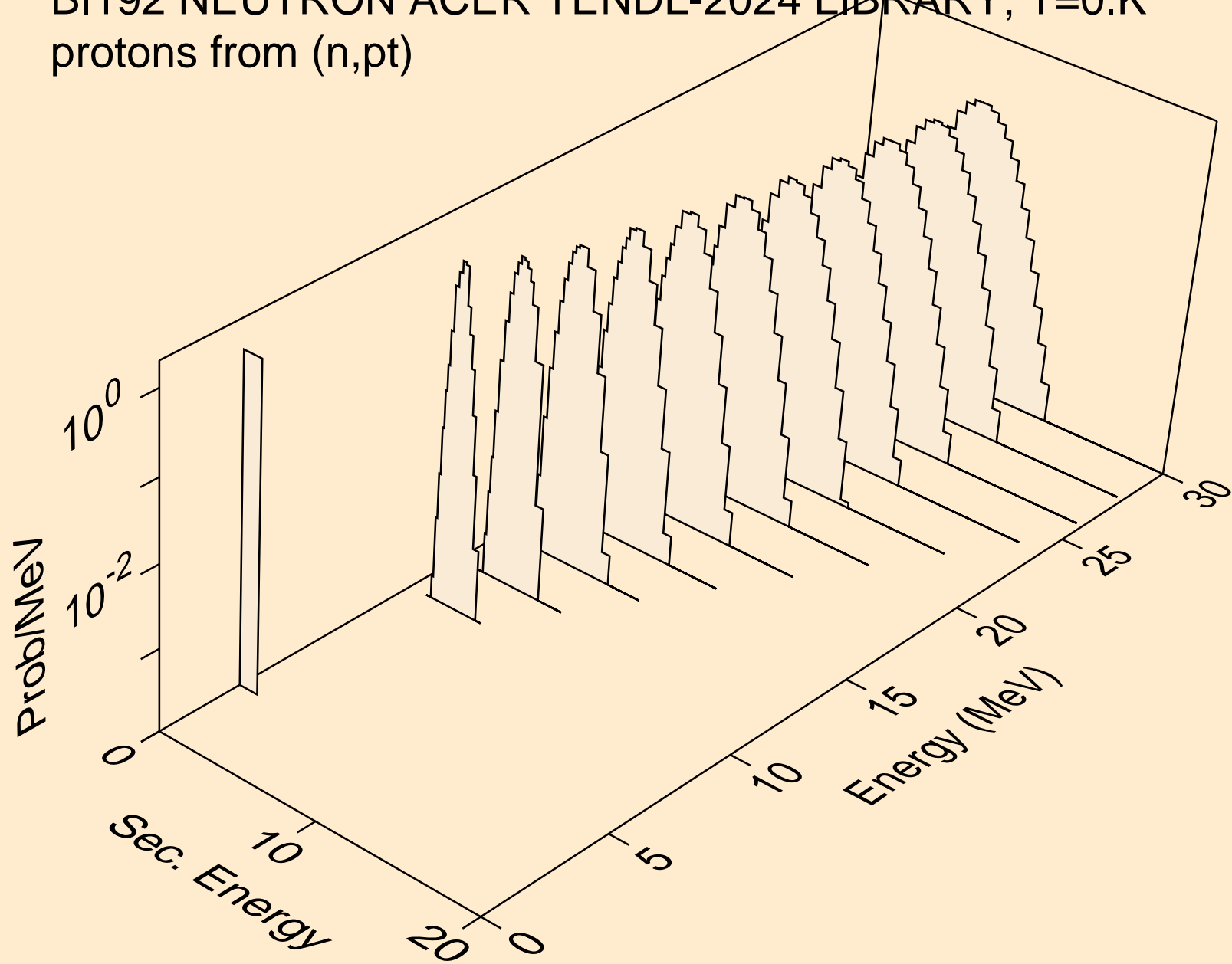


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protons from (n,pd)

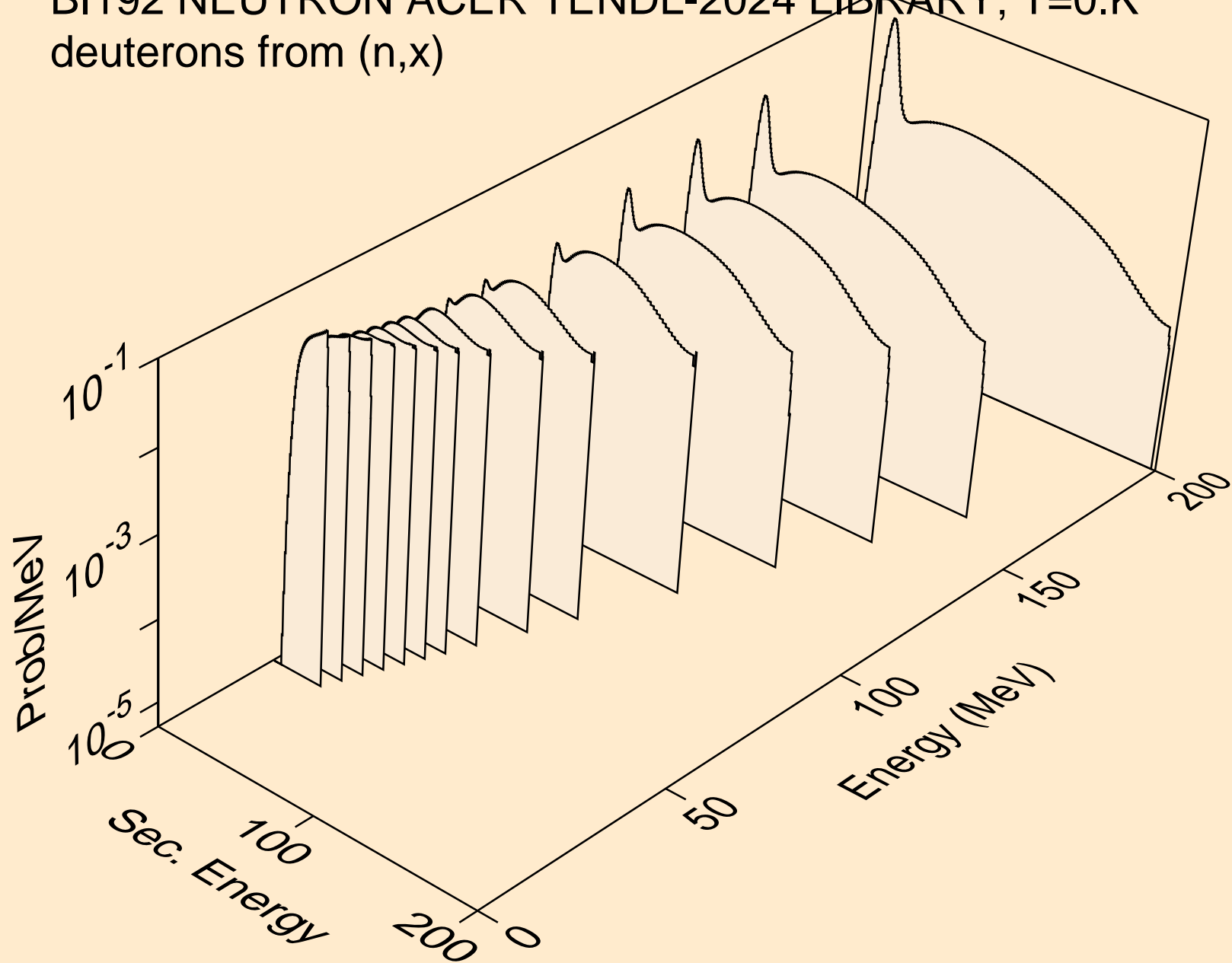




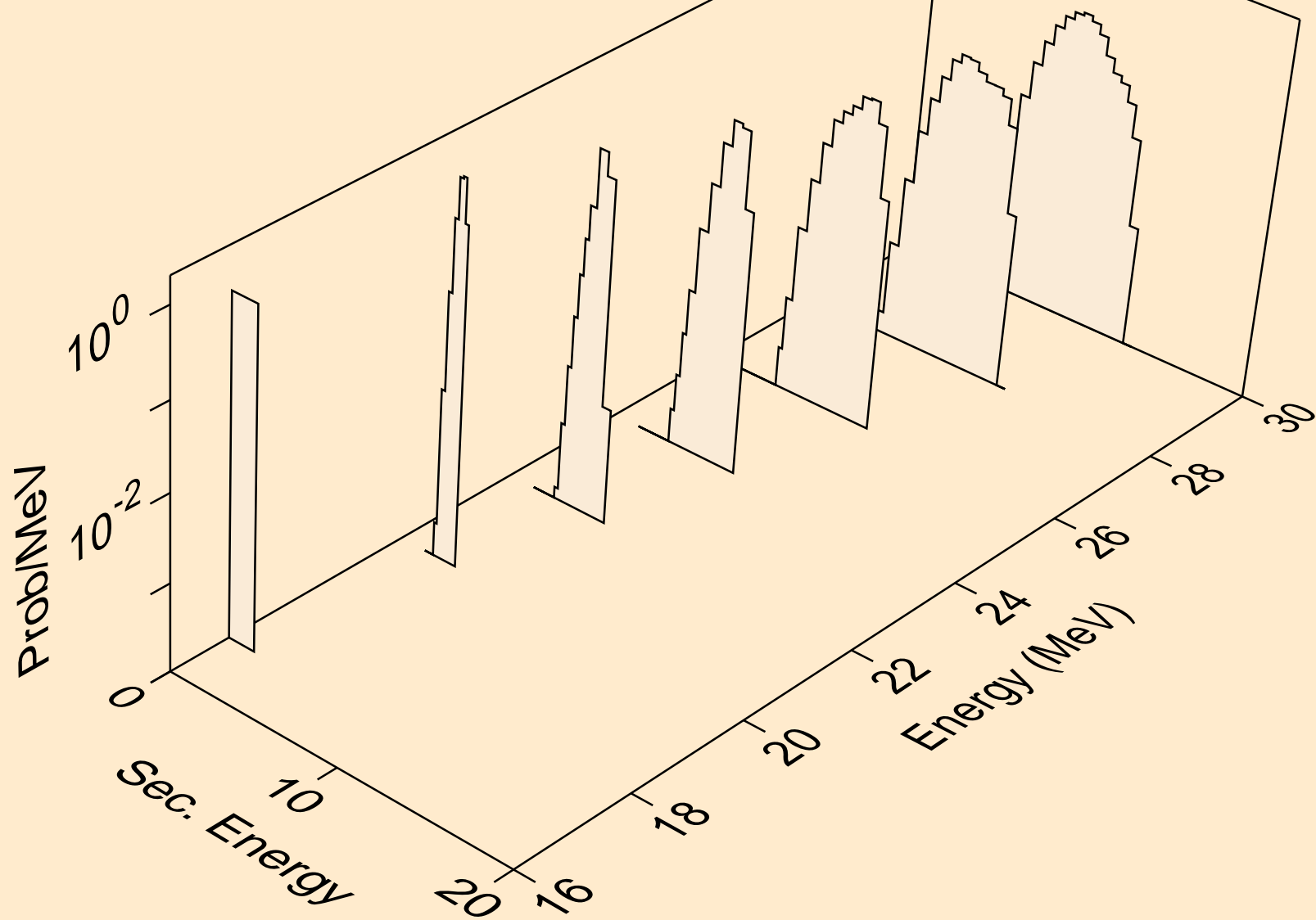
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protons from (n,pt)



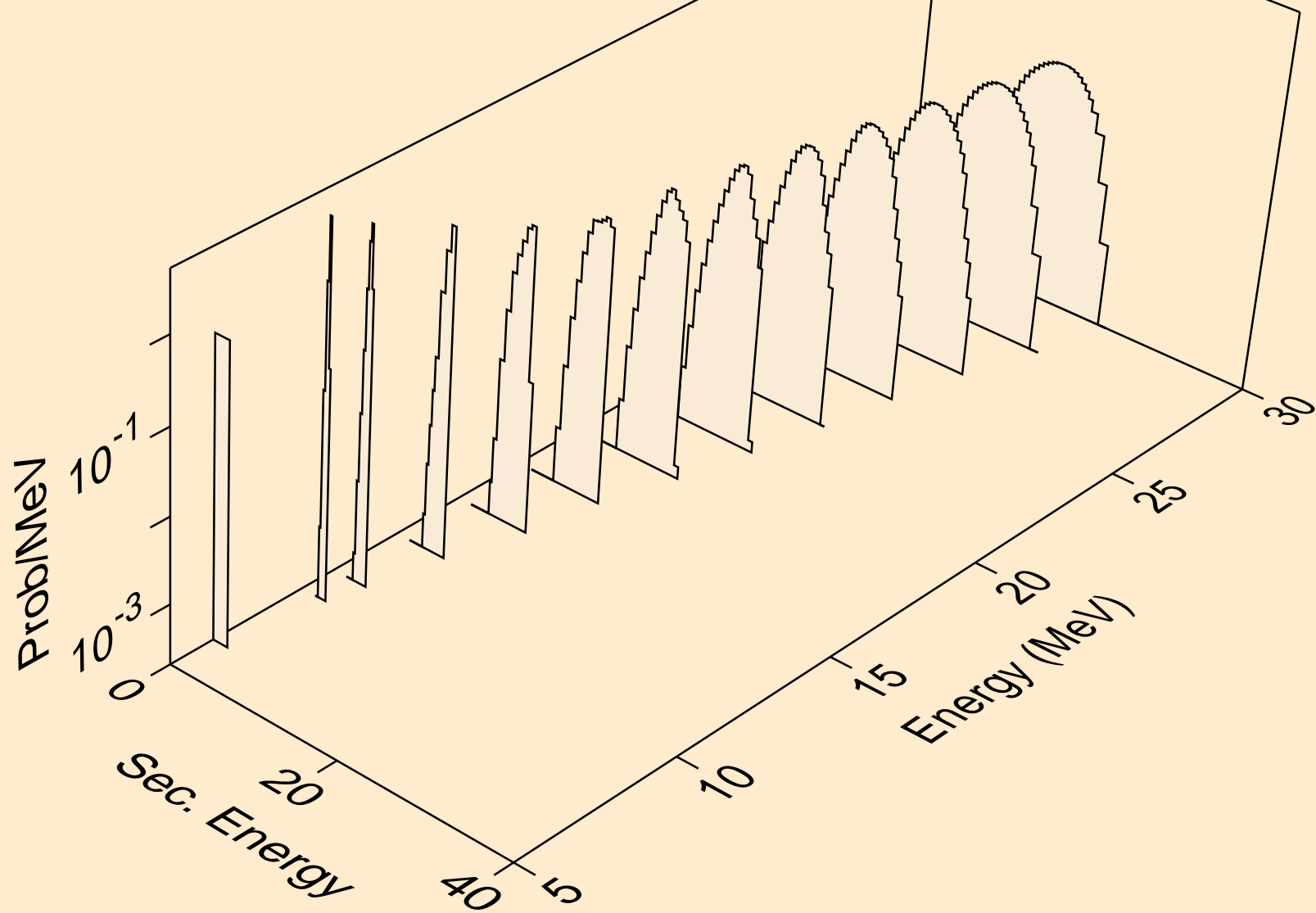
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deuterons from (n,x)



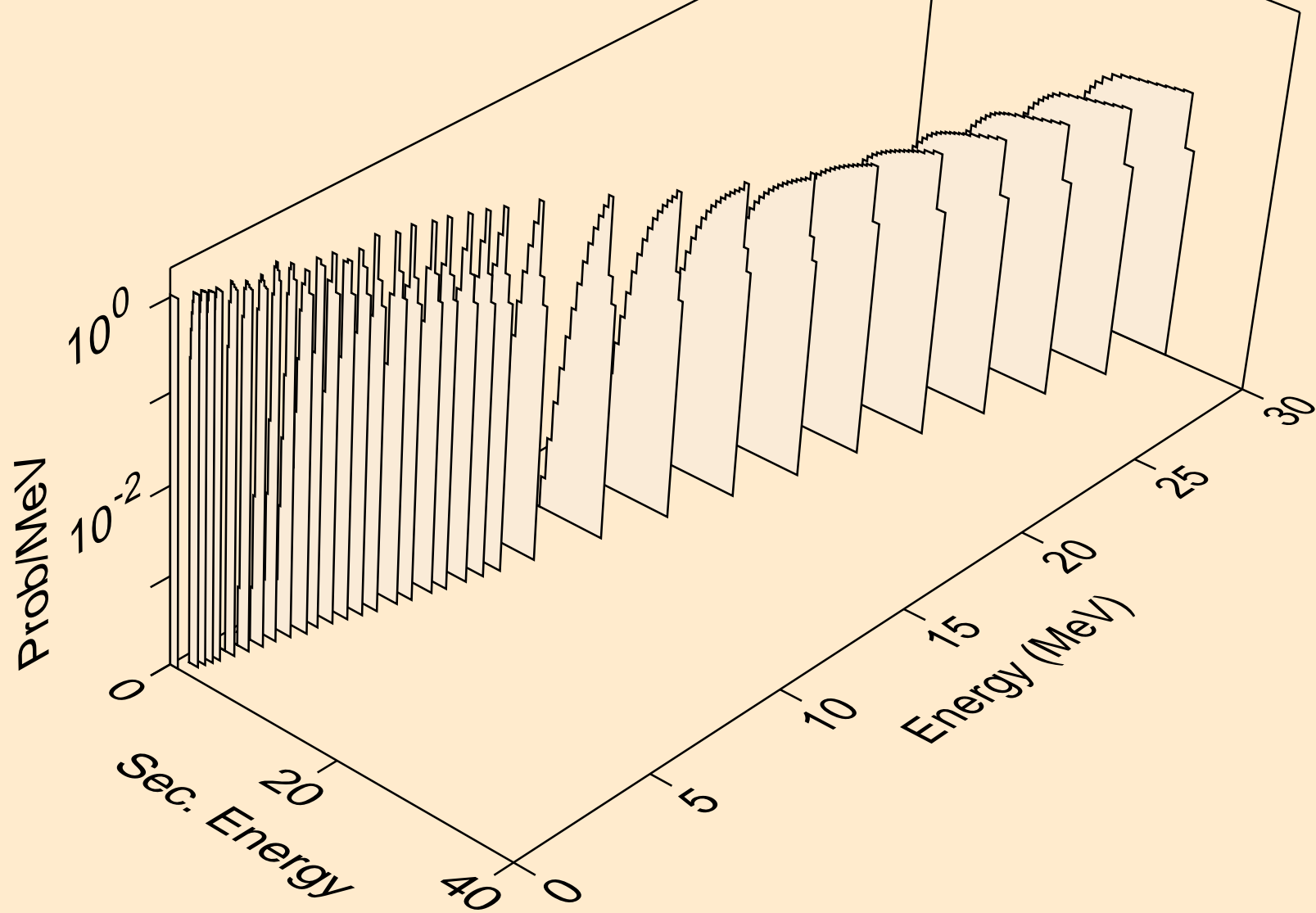
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deuterons from (n,2nd)



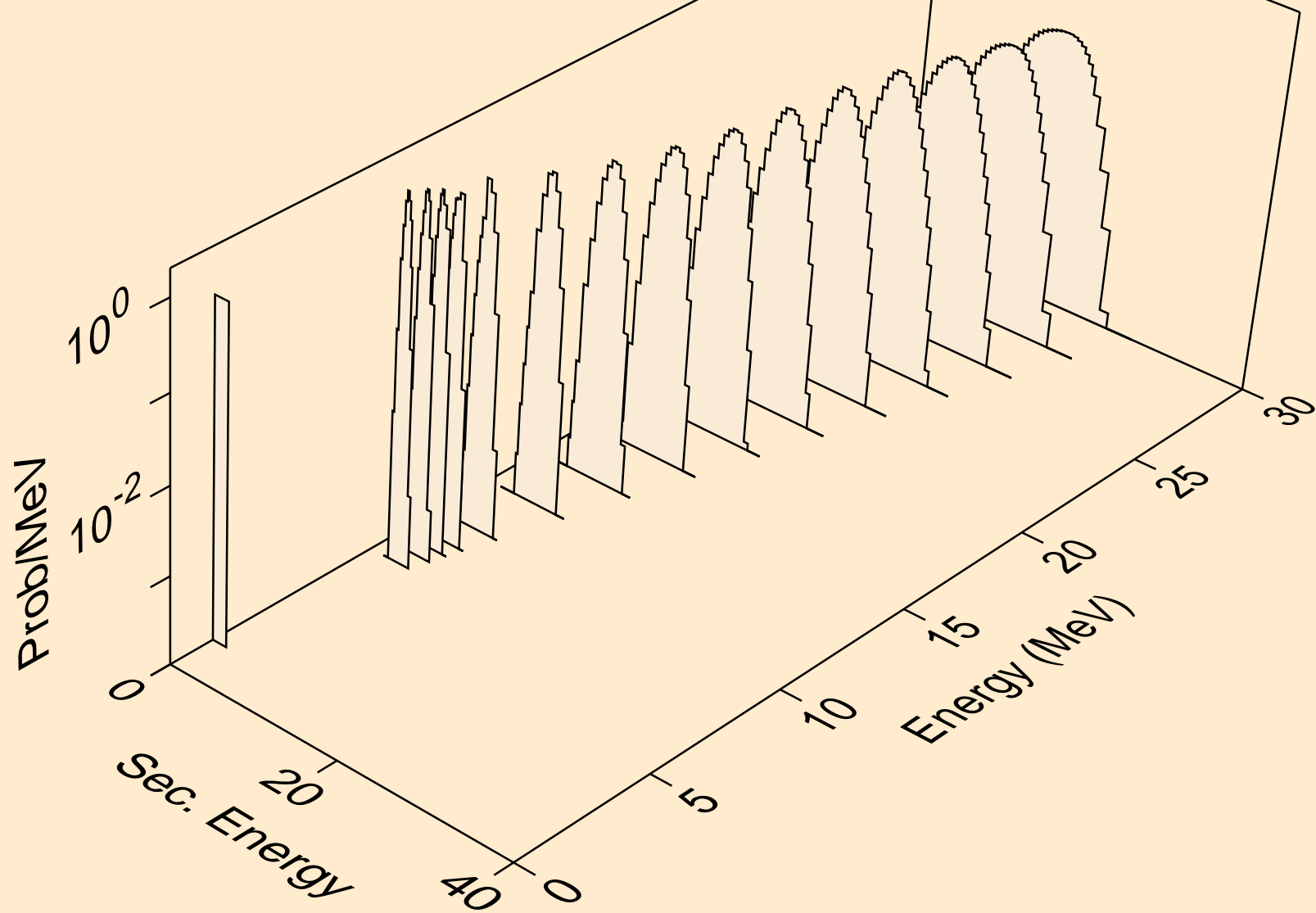
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deuterons from (n,n\*)d



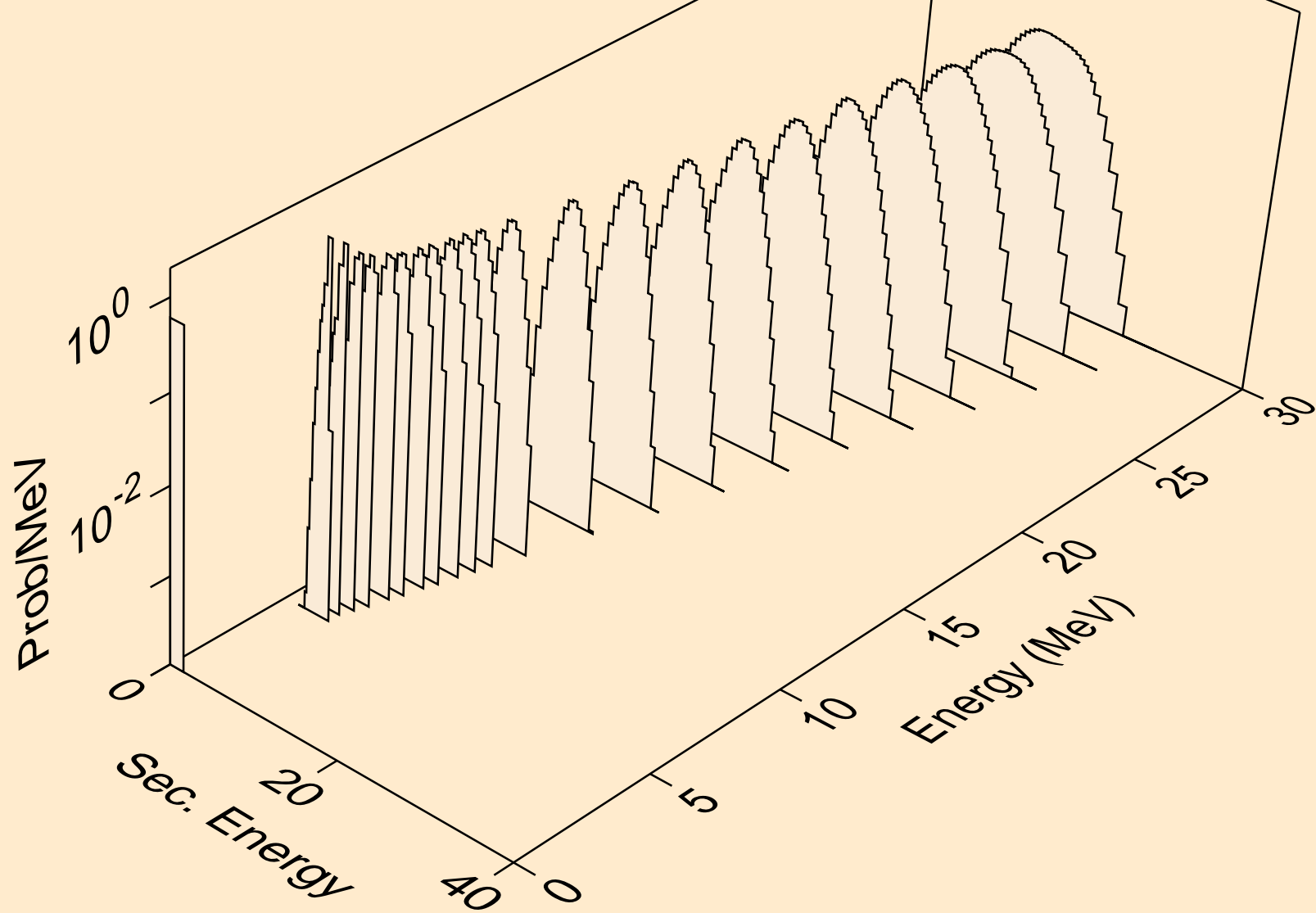
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deuterons from (n,d)



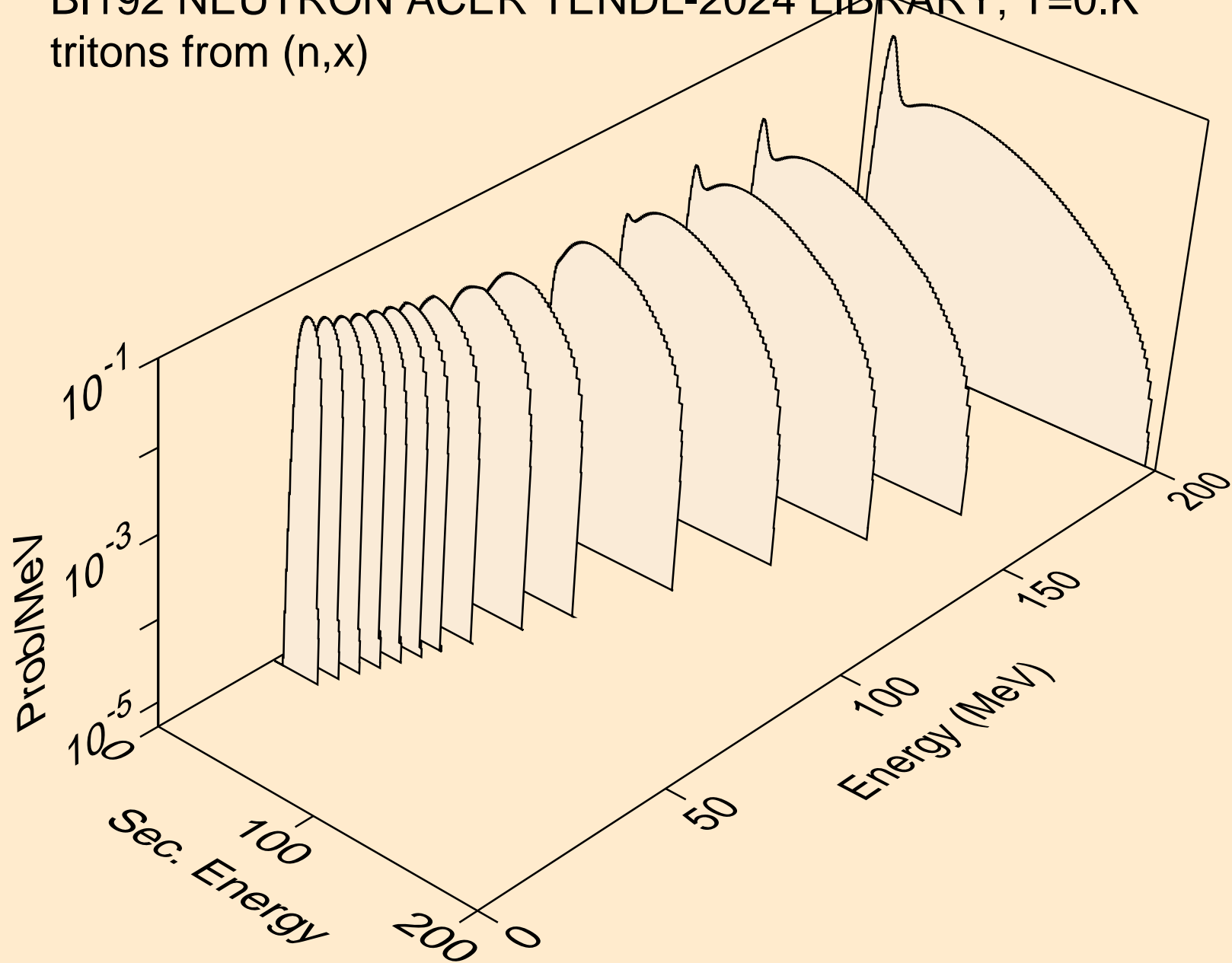
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deuterons from (n,pd)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,da)

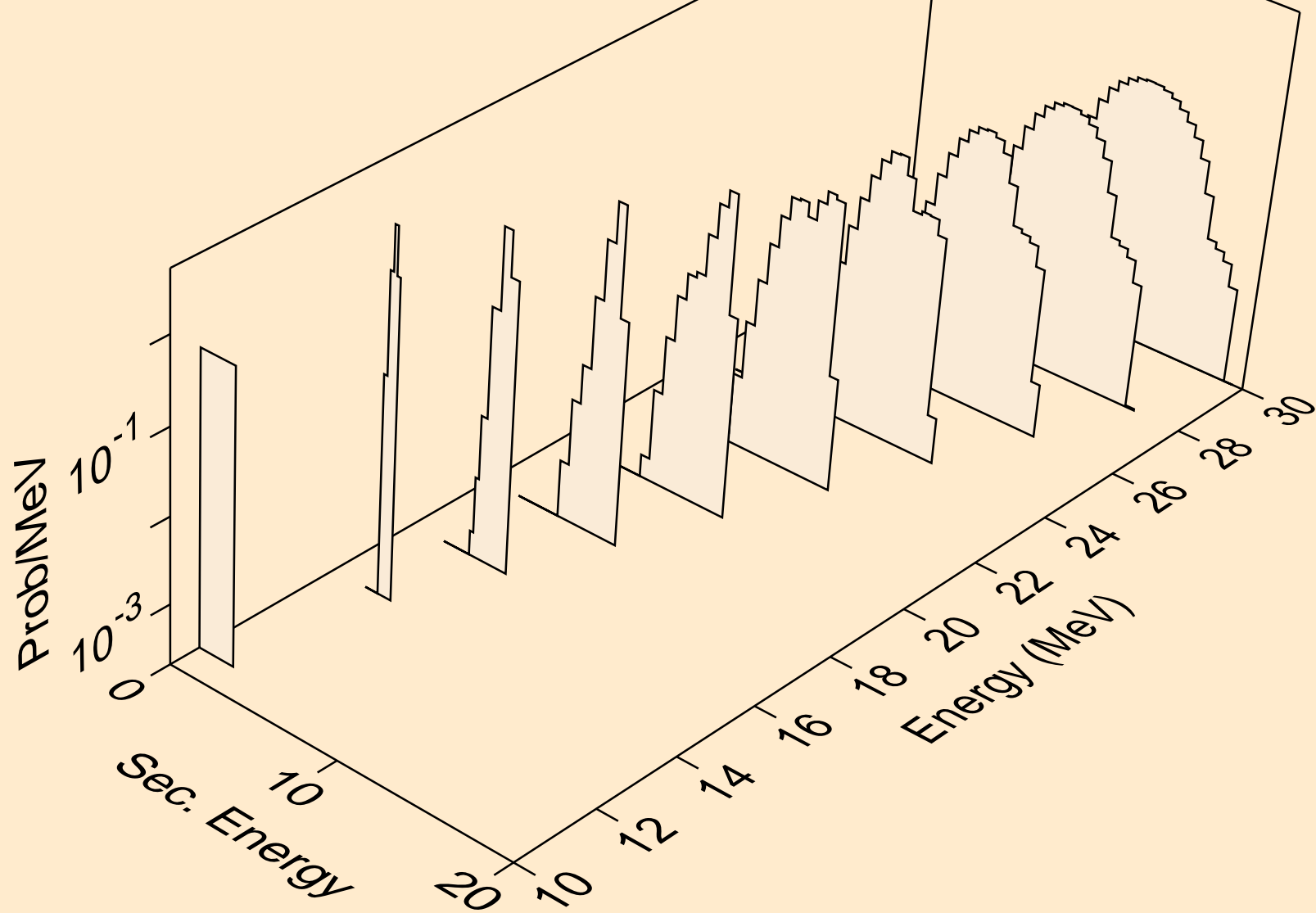


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tritons from (n,x)

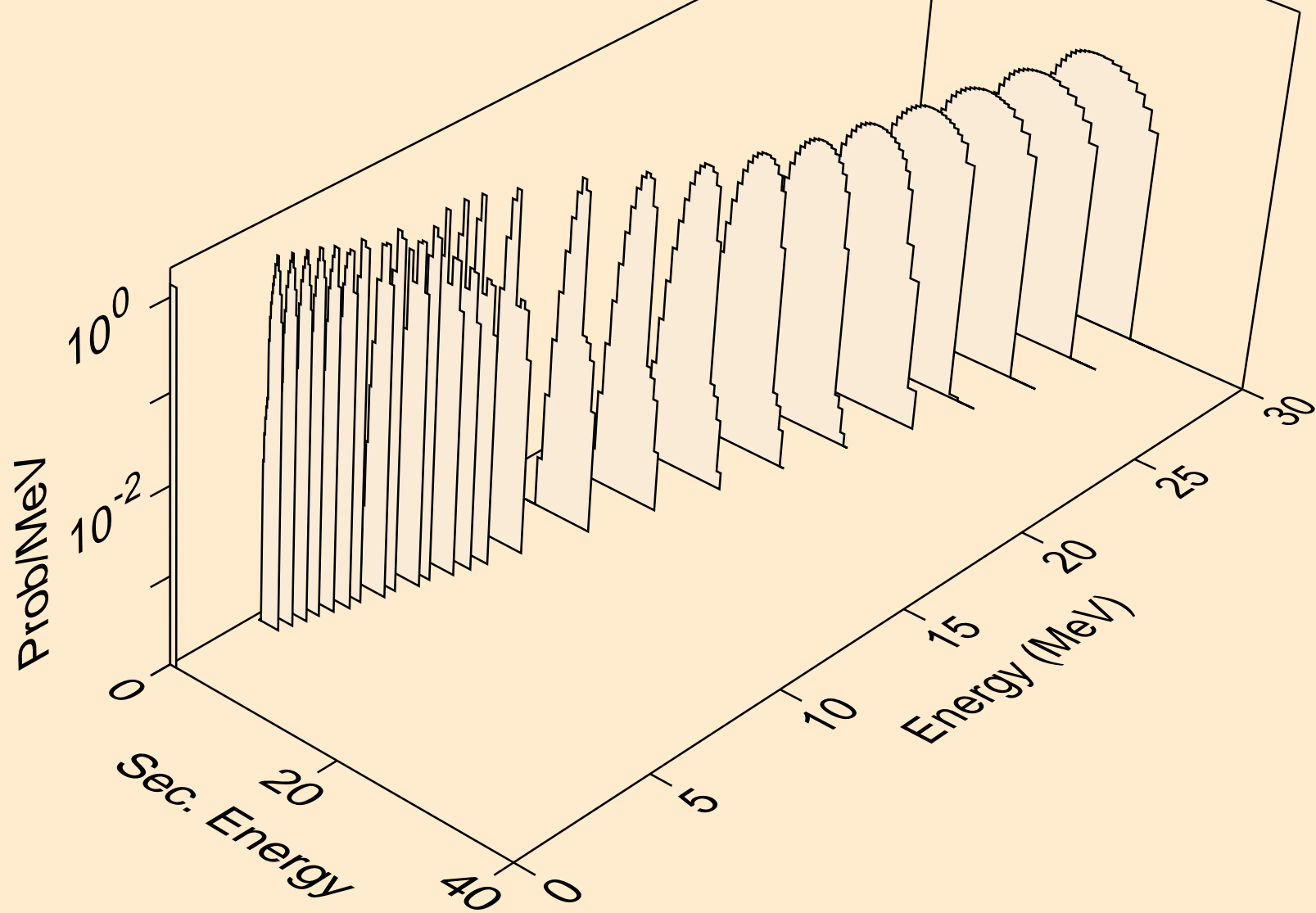




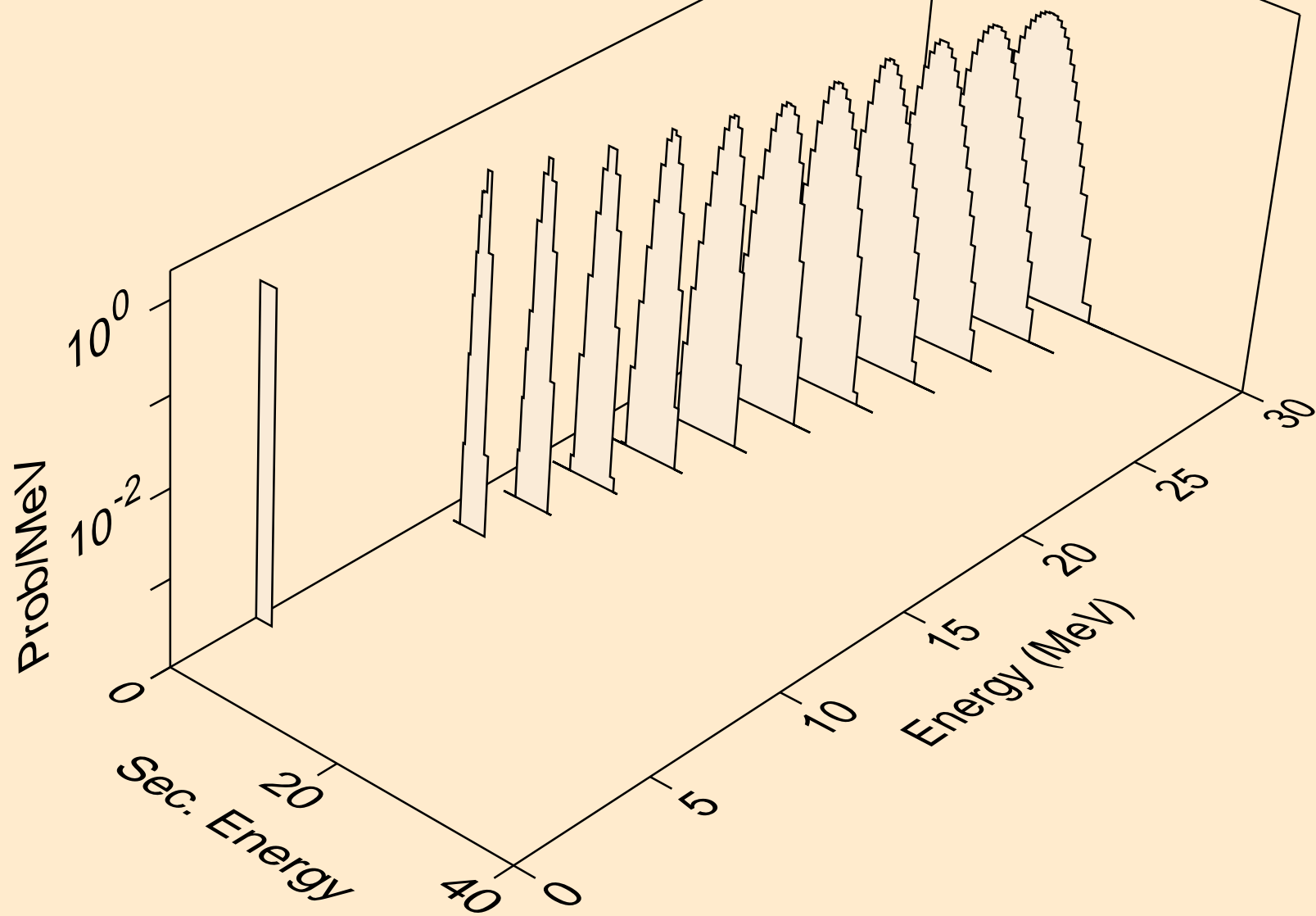
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tritons from (n,n\*)t



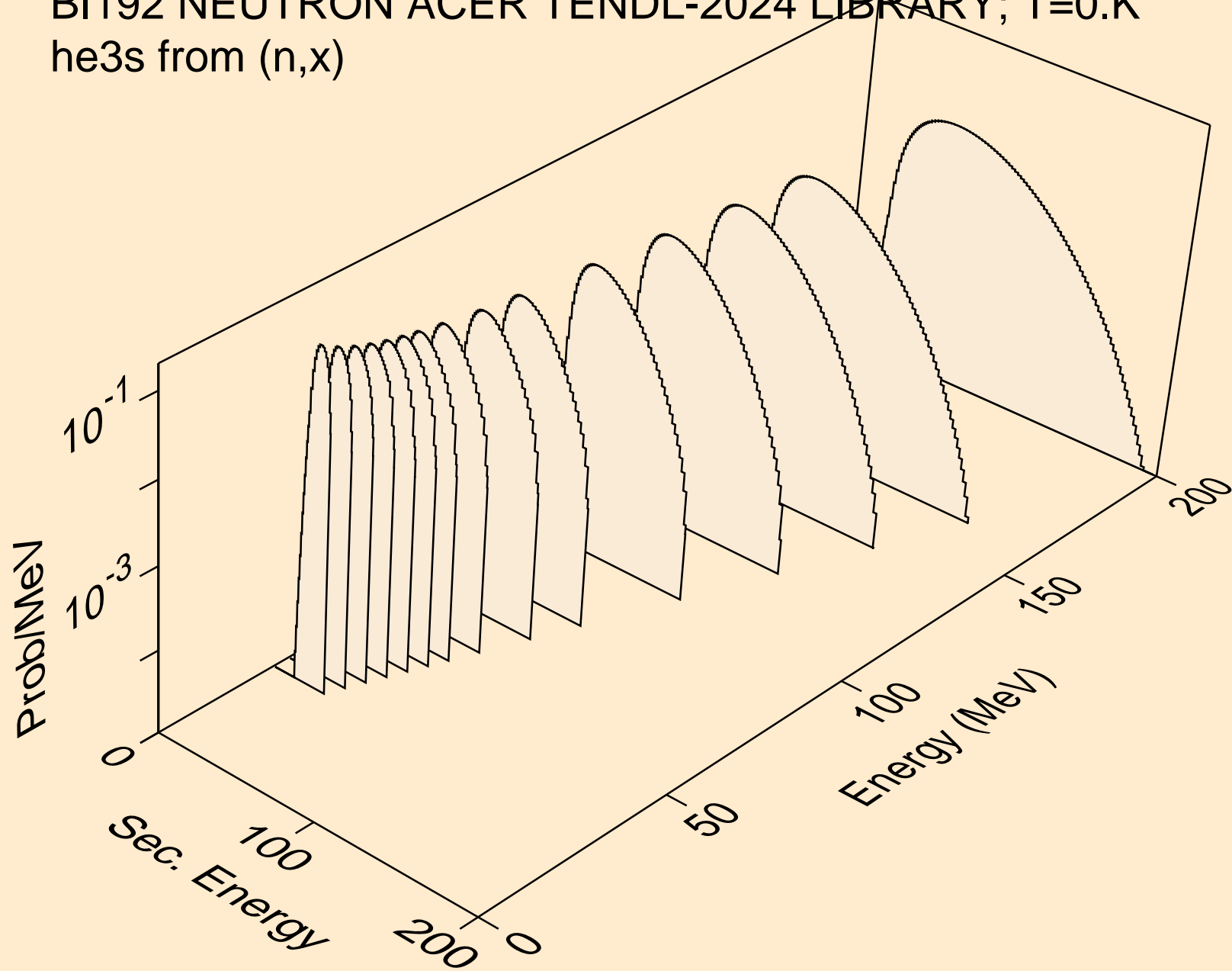
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tritons from (n,t)



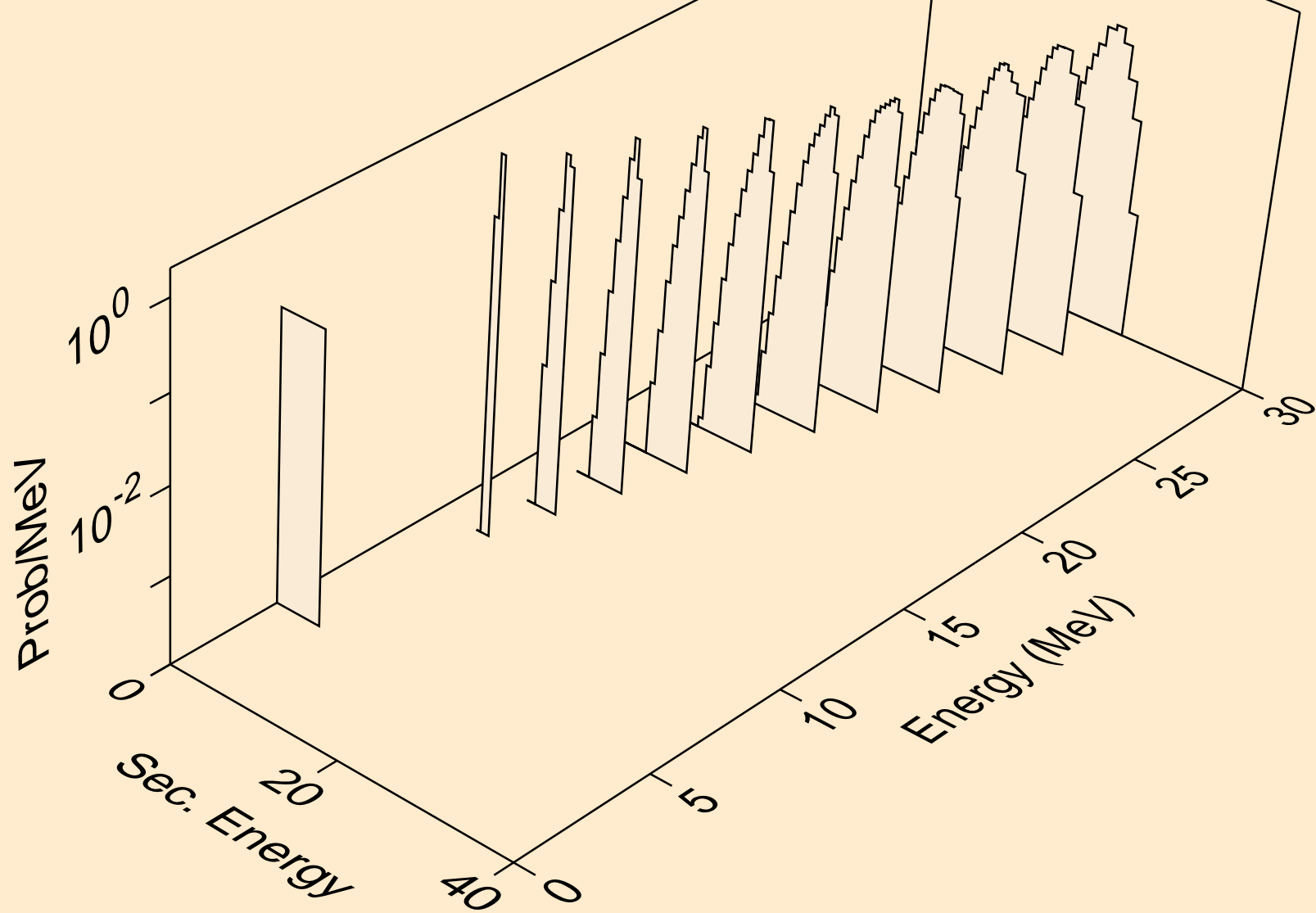
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tritons from (n,pt)



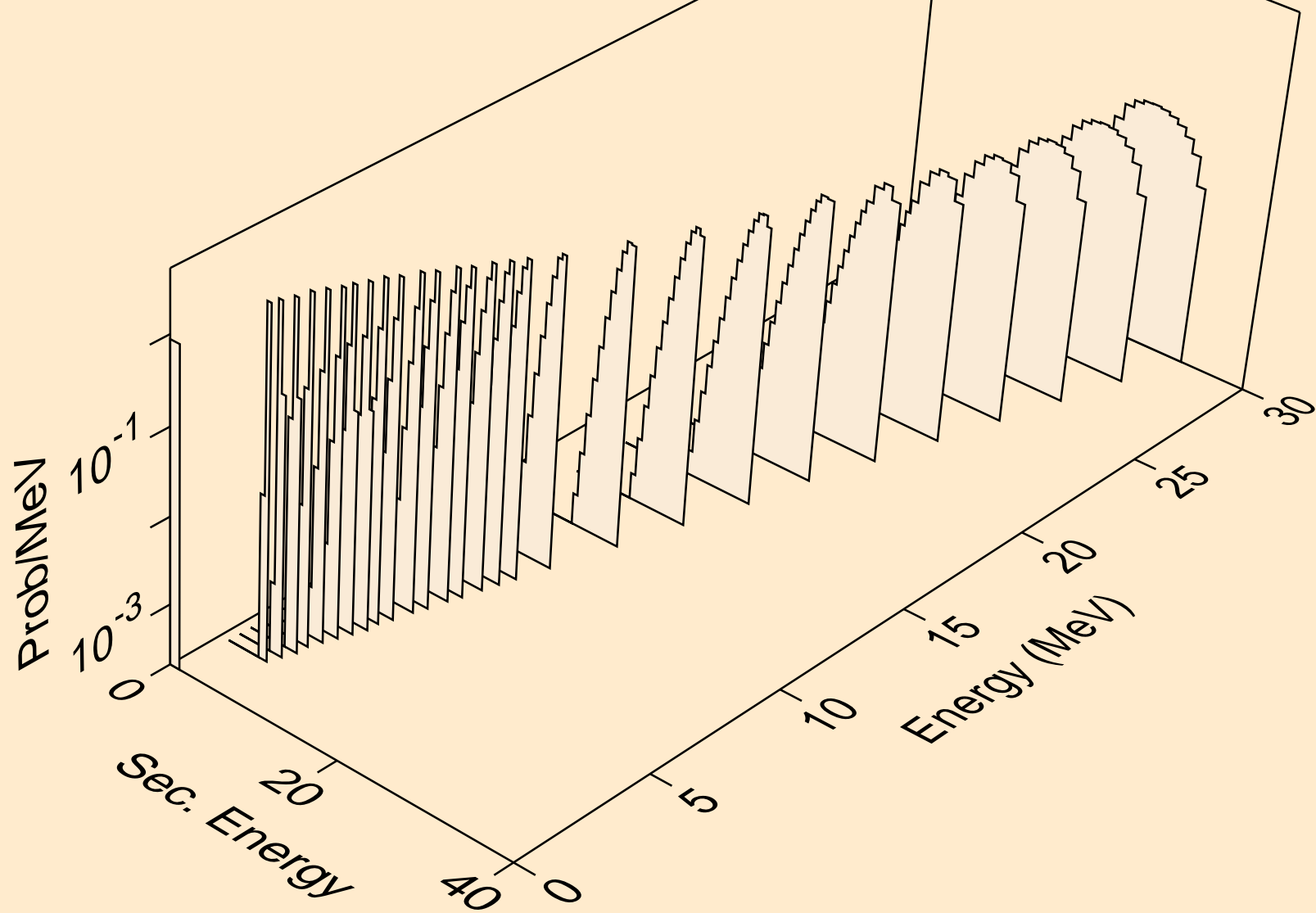
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he3s from (n,x)



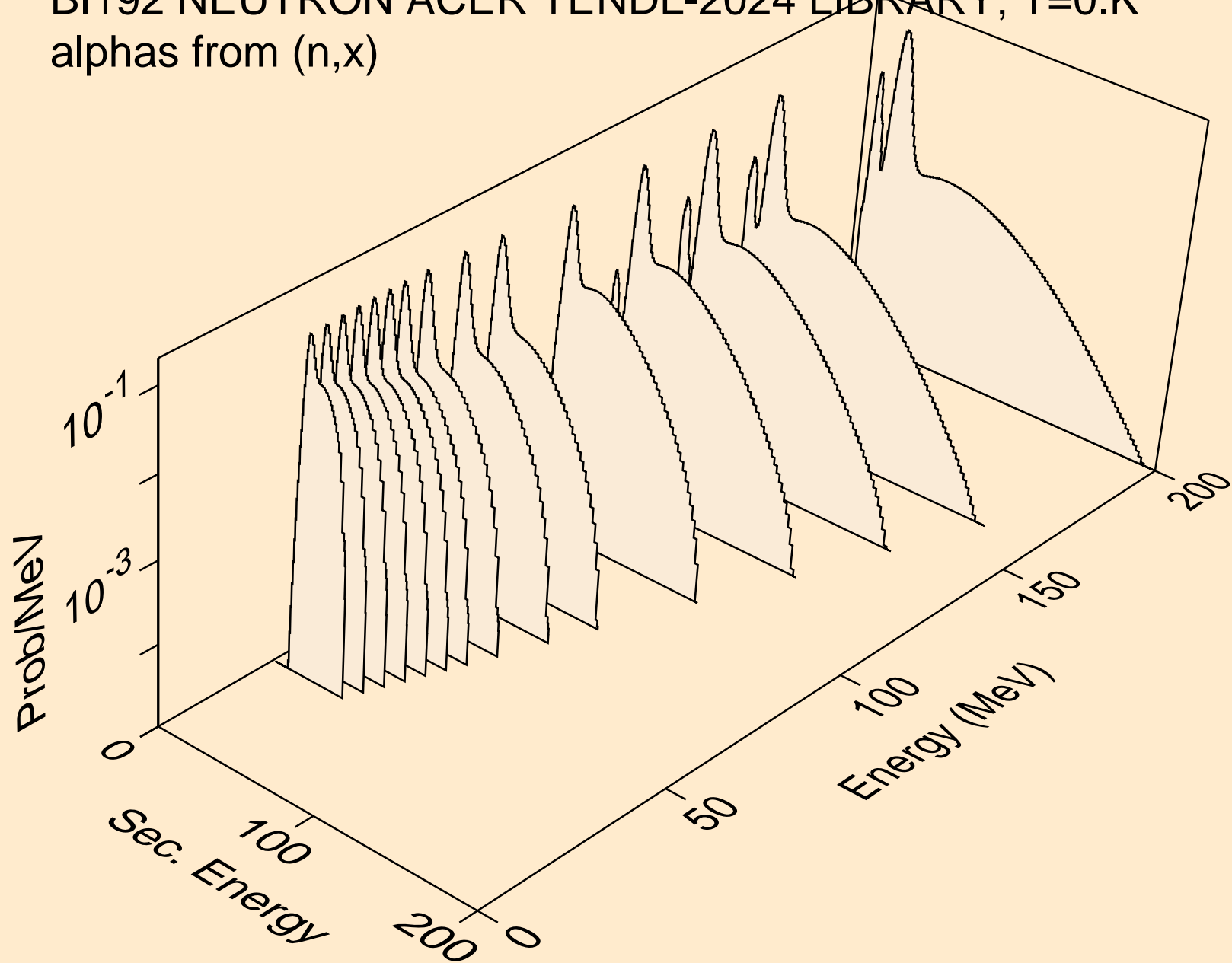
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he3s from (n,n\*)he3



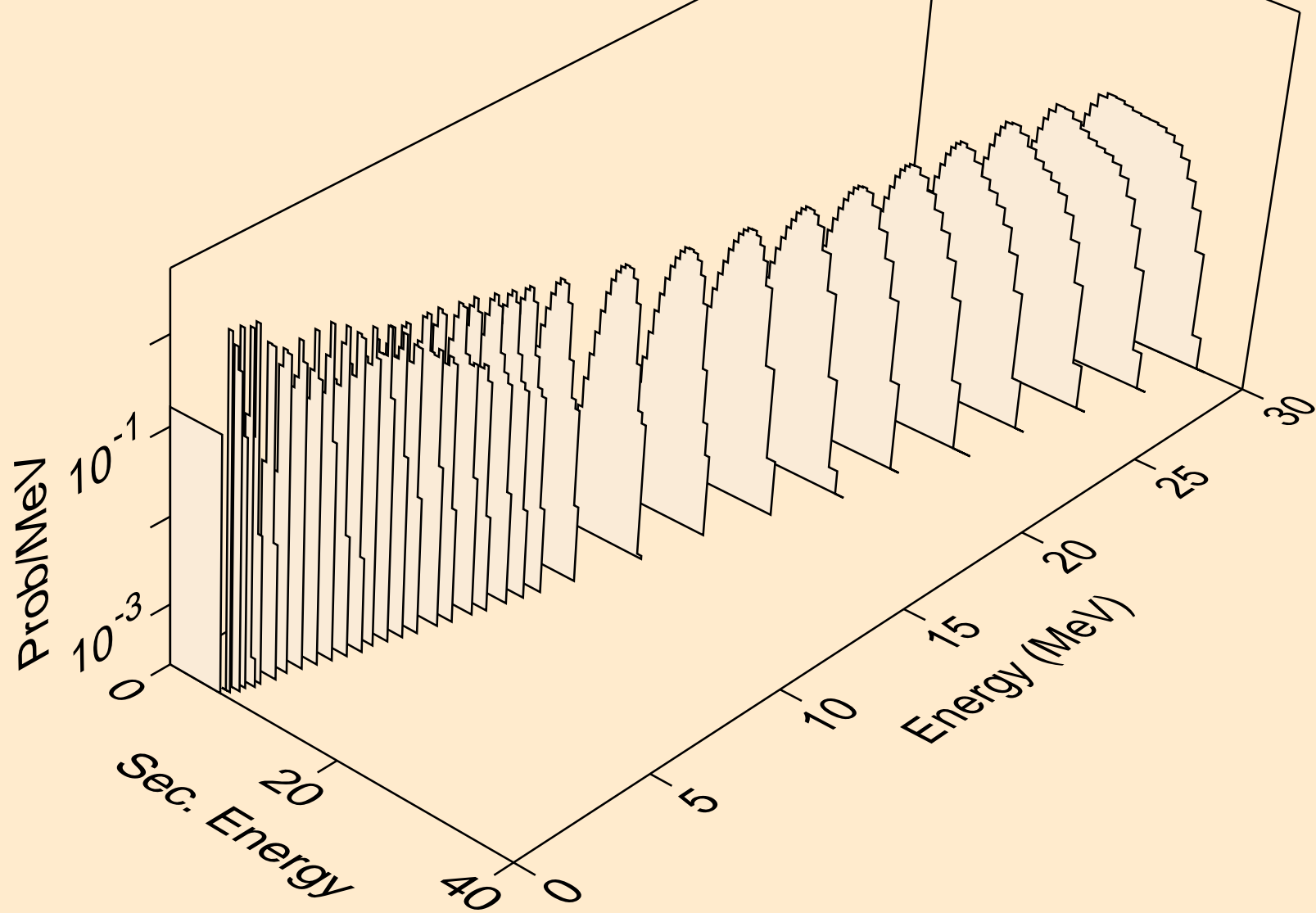
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he3s from (n,he3)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

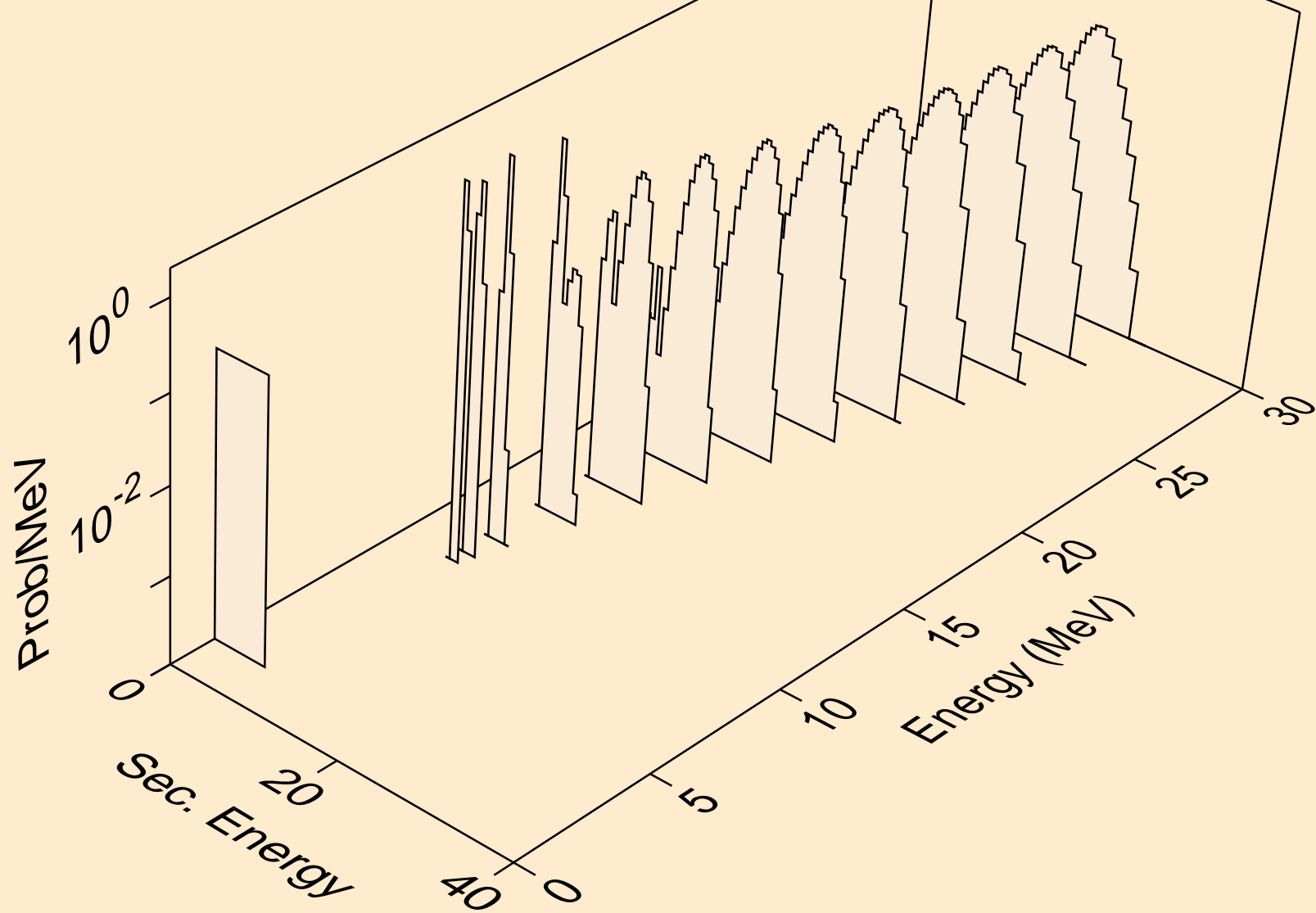


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alphas from (n,n\*)a

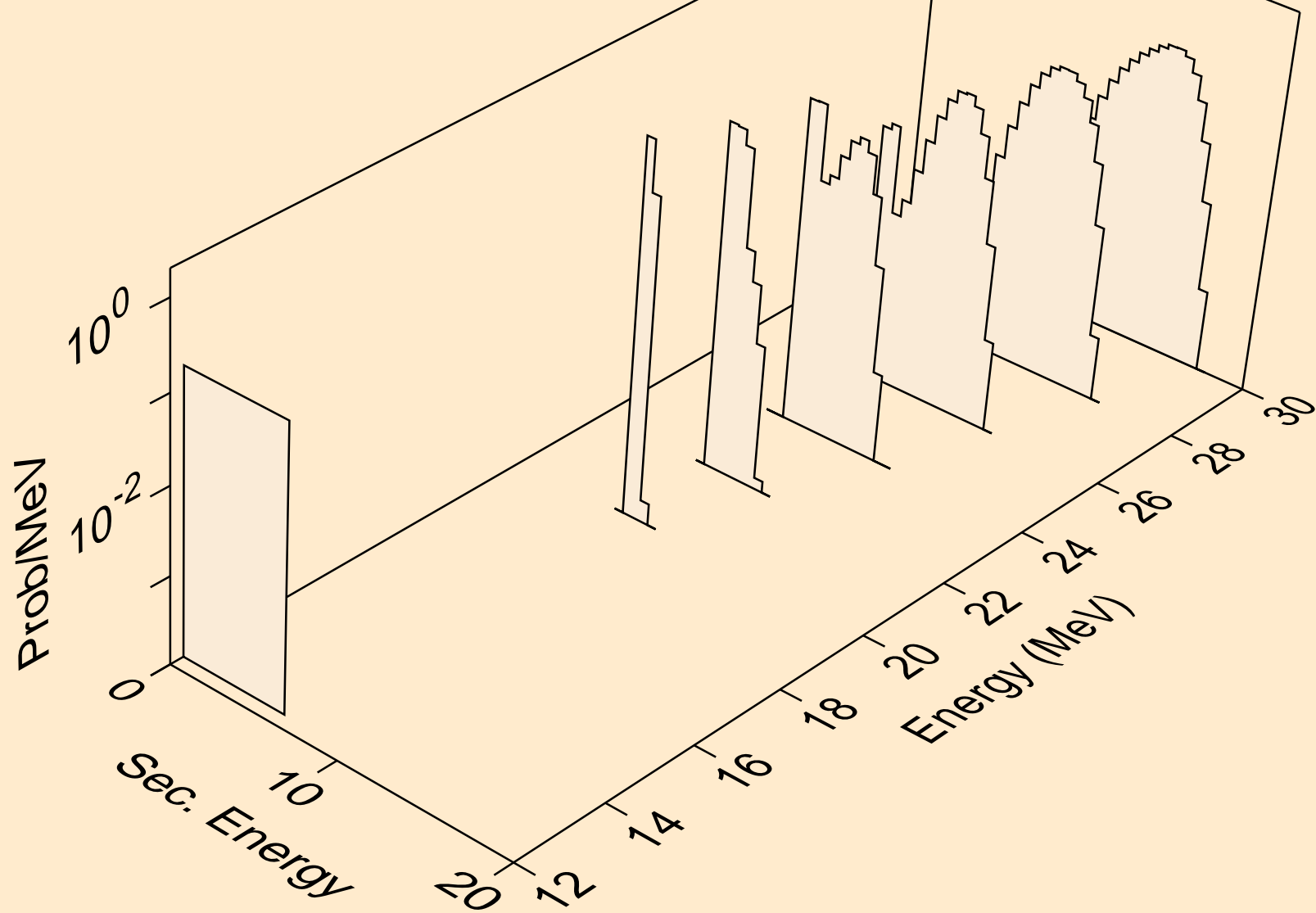




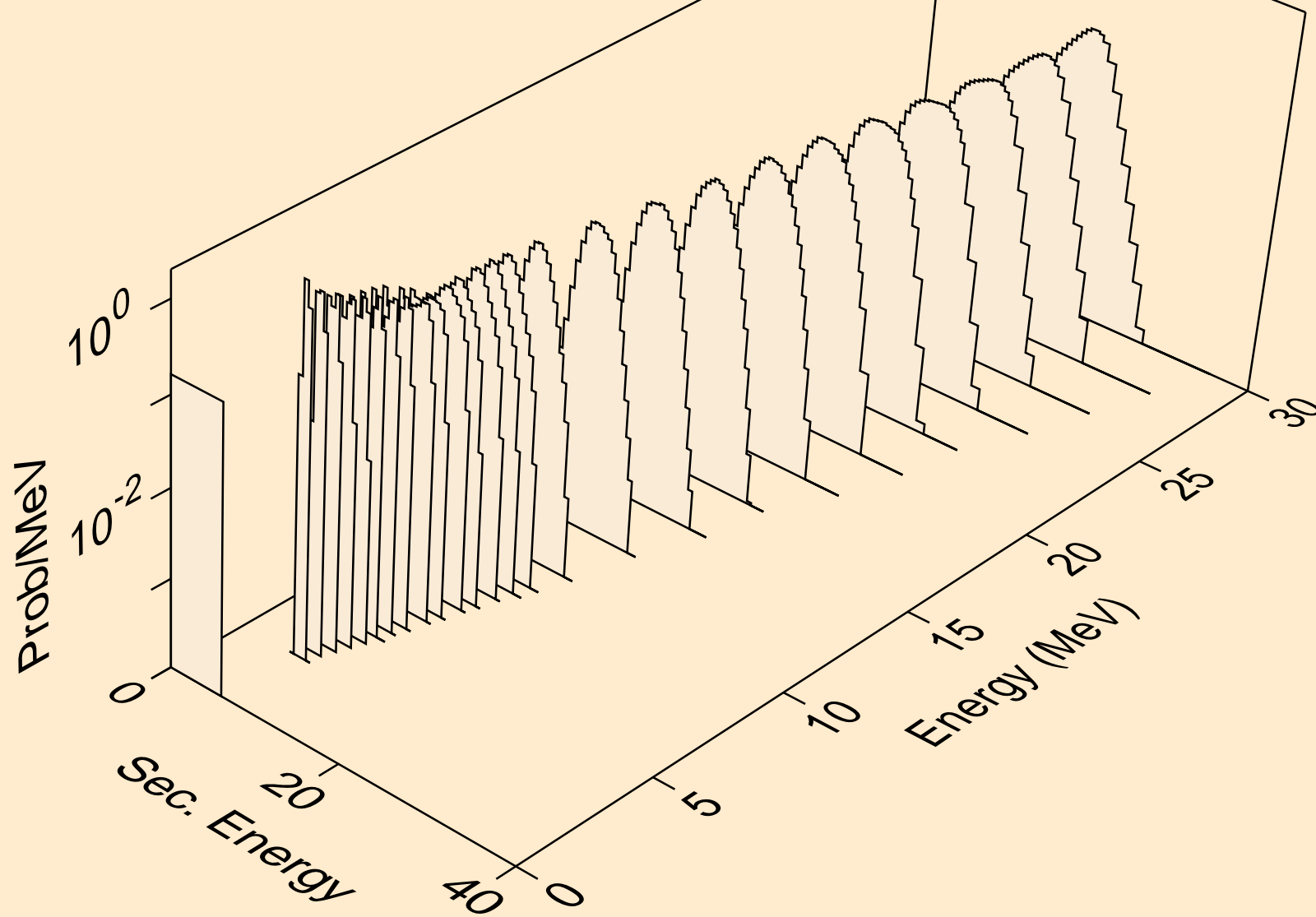
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alphas from (n,2n)a



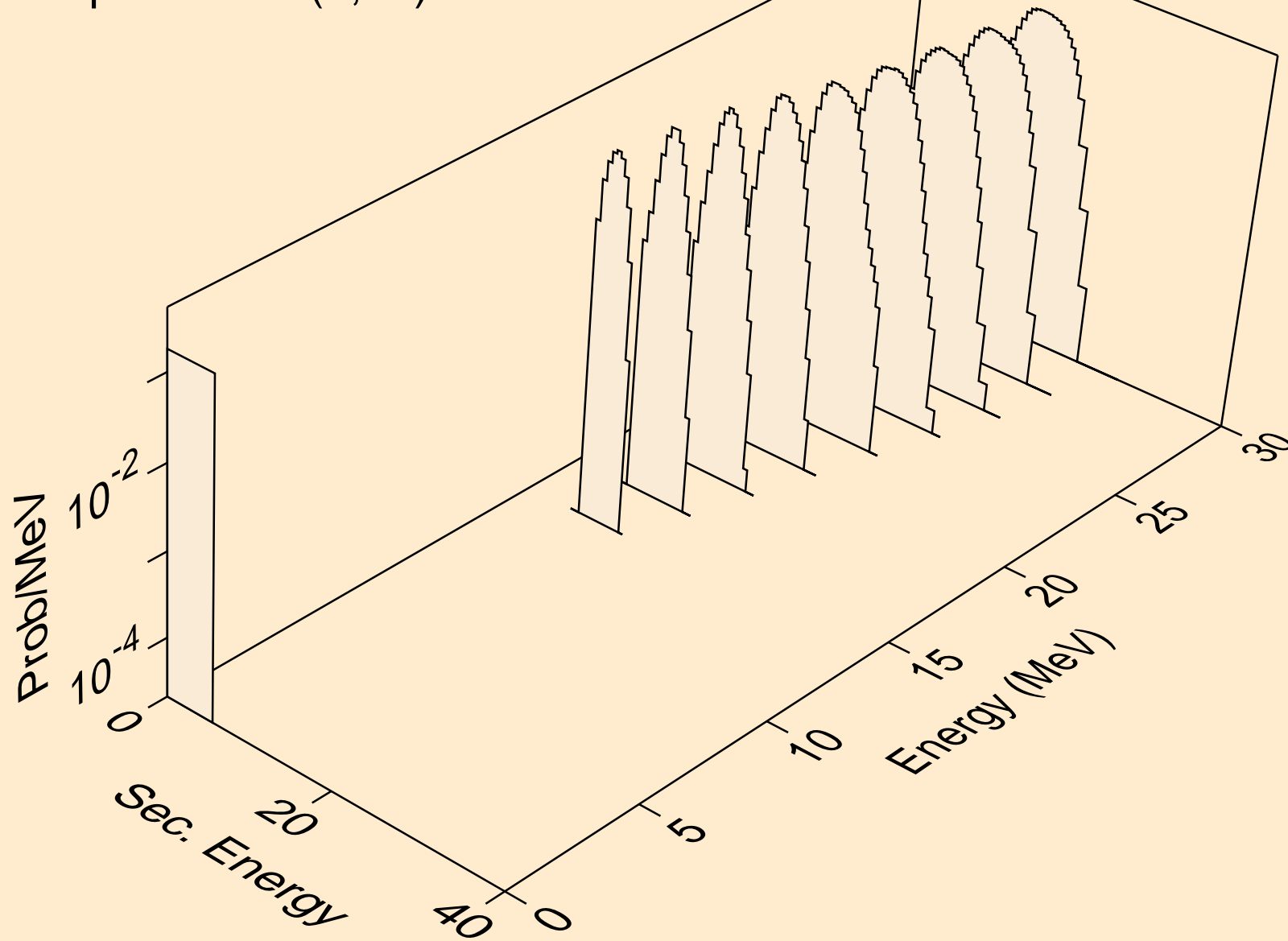
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alphas from (n,3n)a



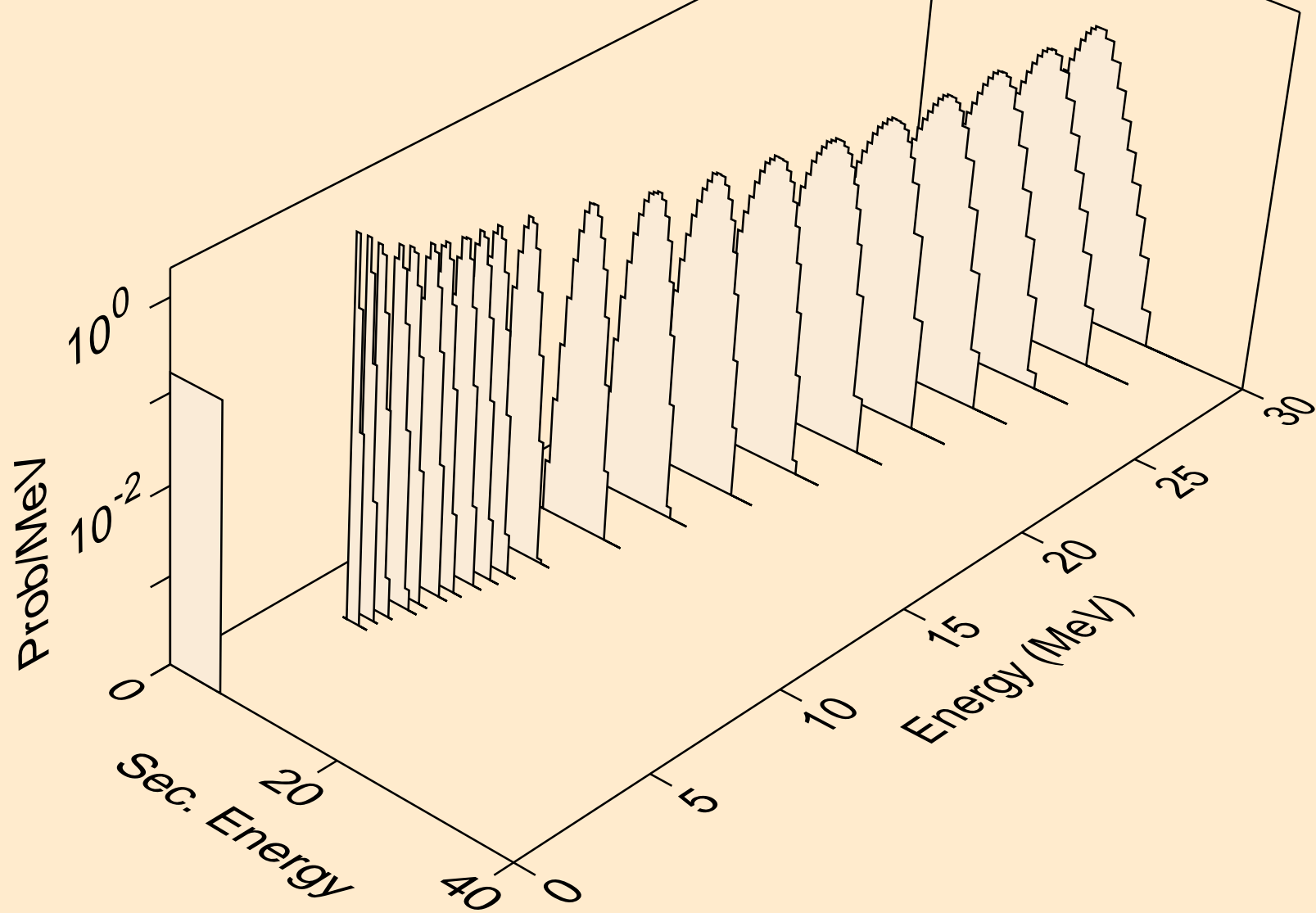
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alphas from (n,n\*)2a



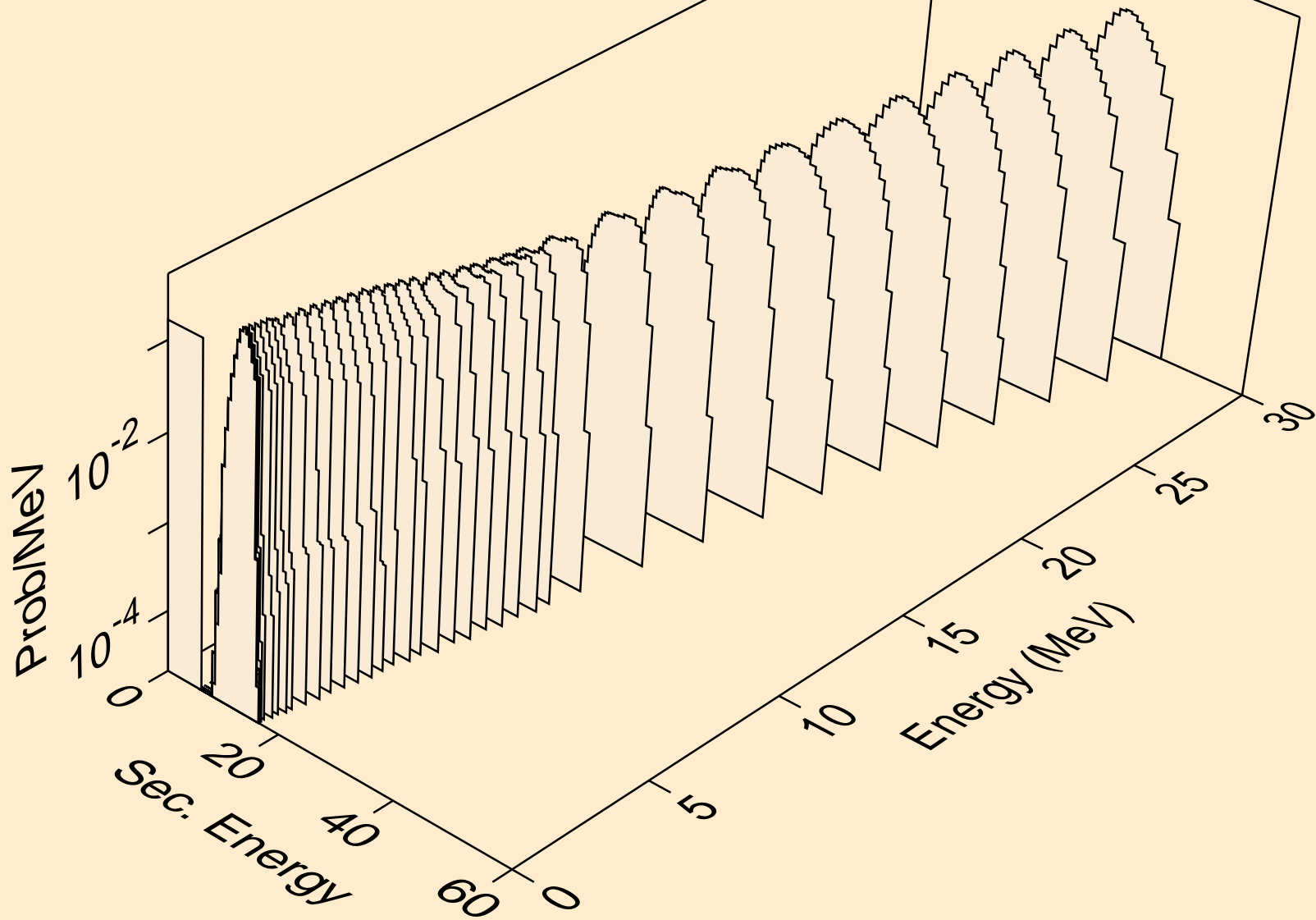
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alphas from (n,2n)2a



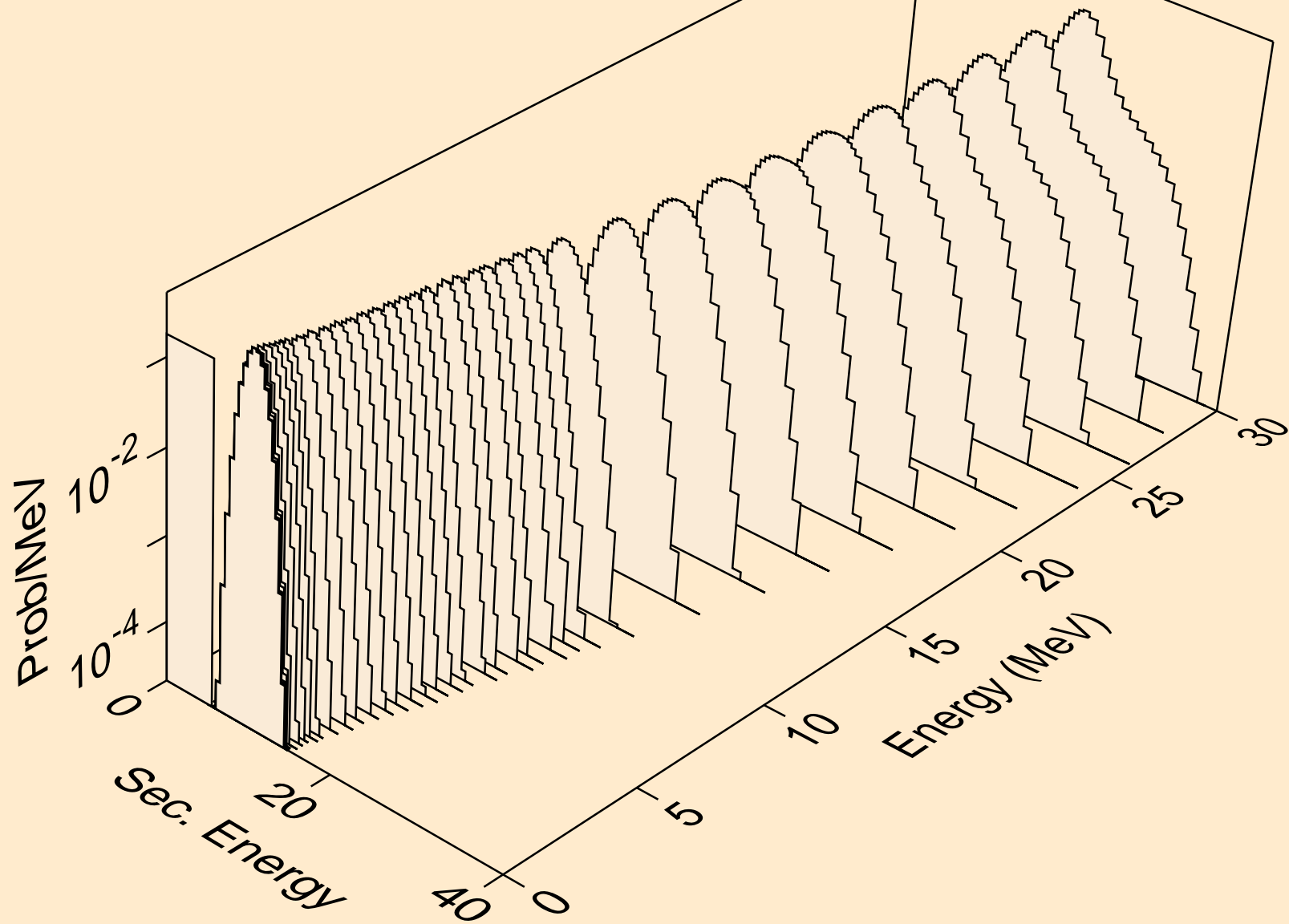
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alphas from (n,npa)



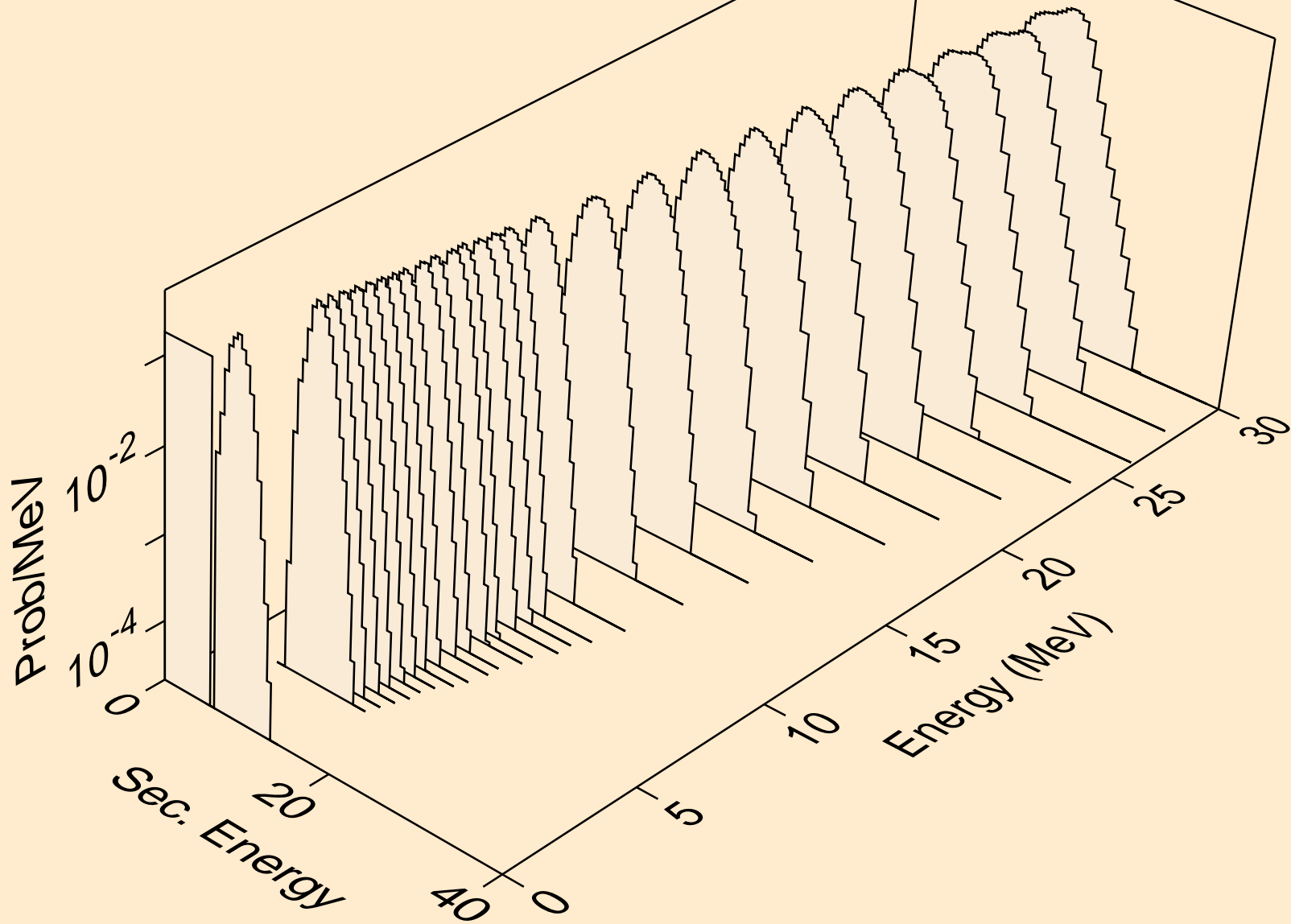
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alphas from (n,a)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)

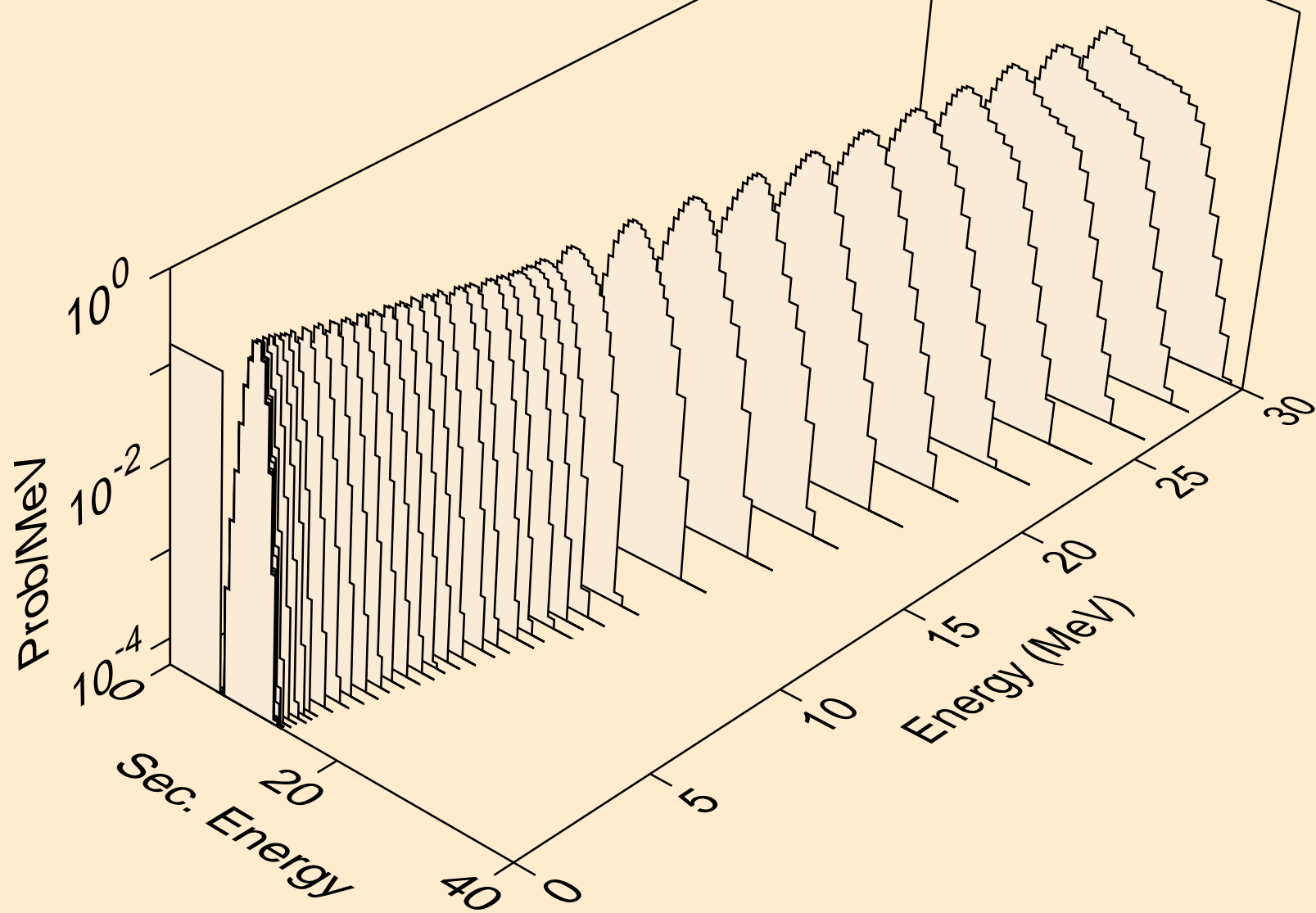


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alphas from (n,3a)





BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



BI192 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

