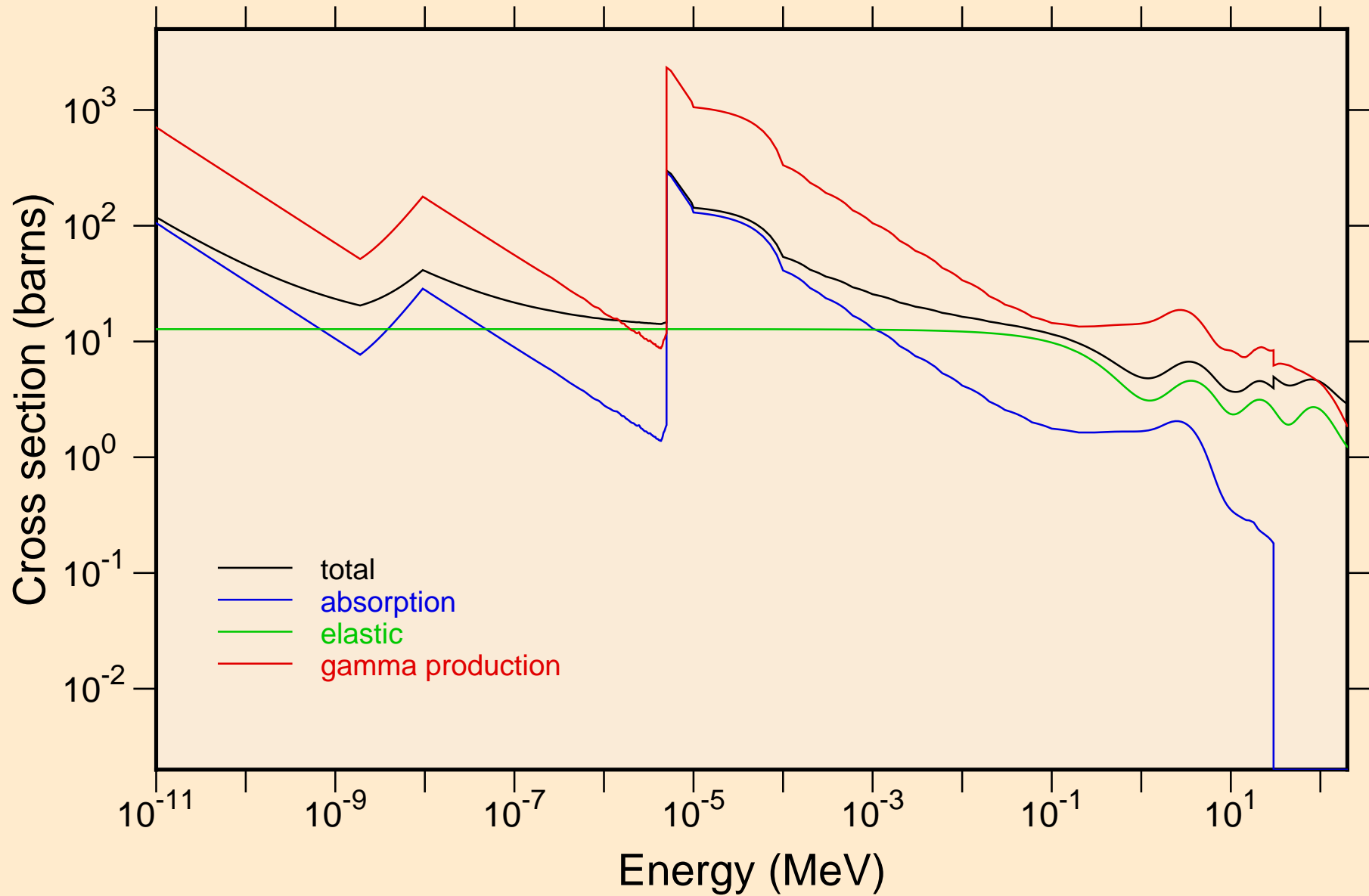


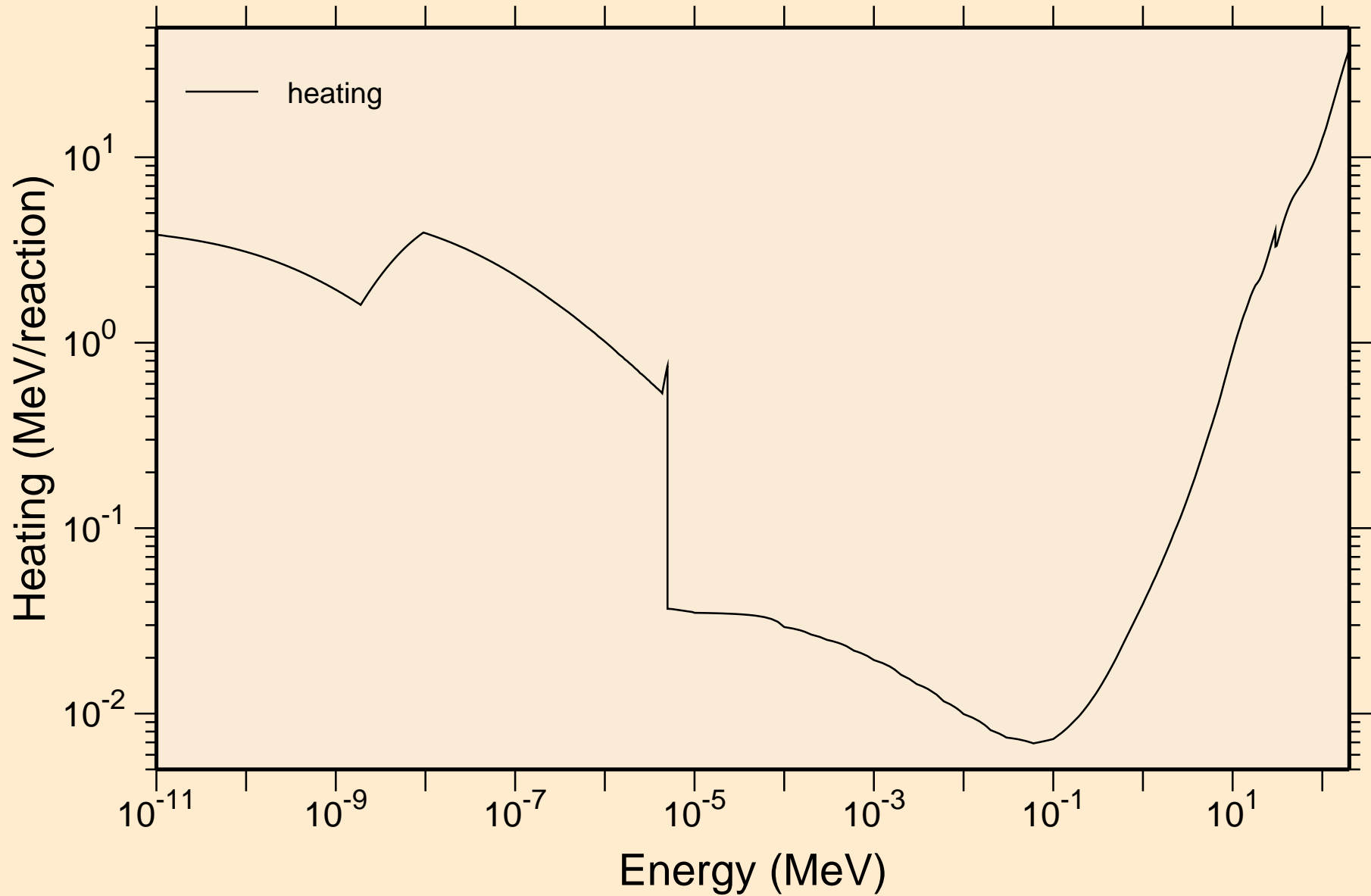
# BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



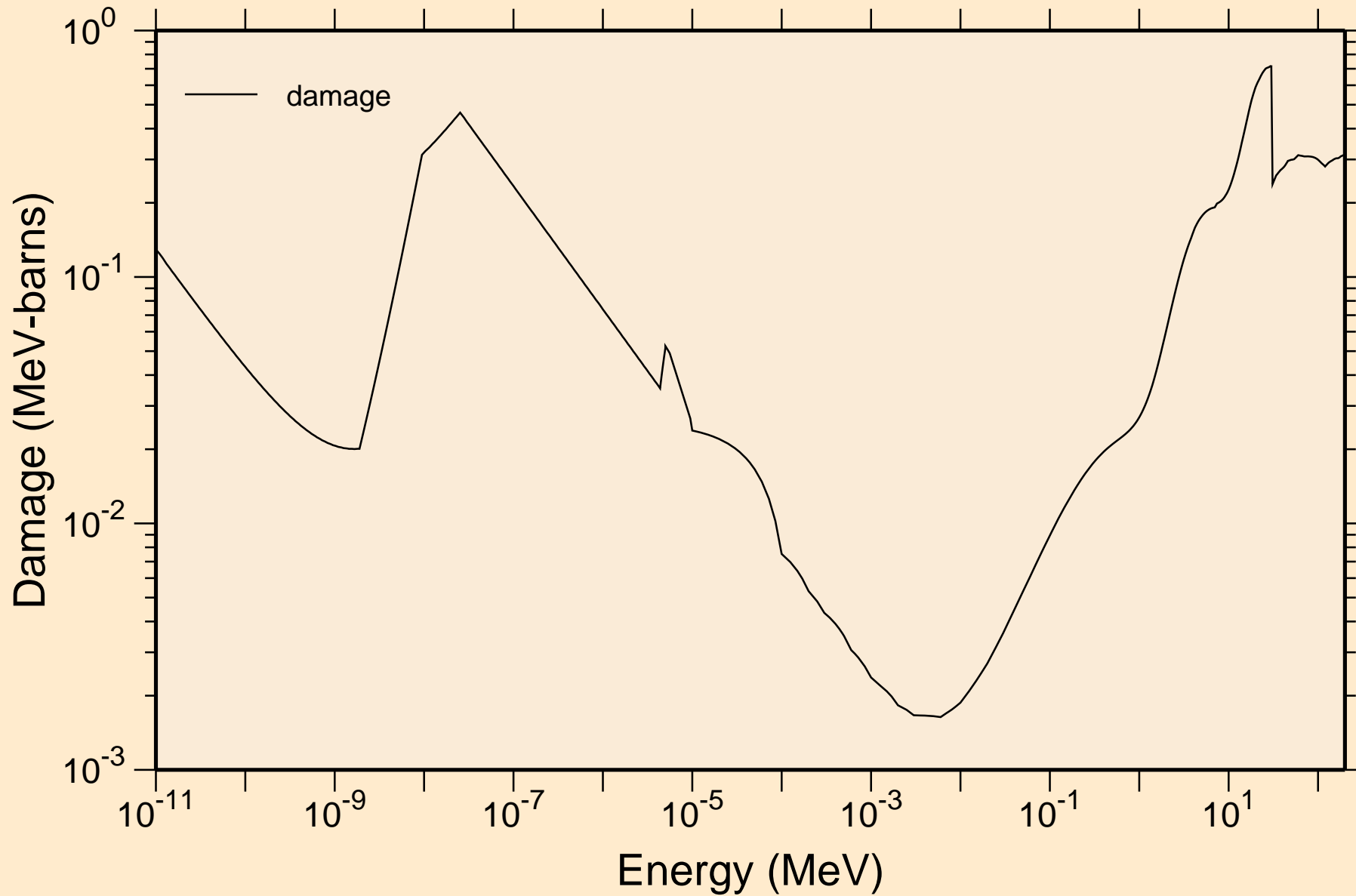
# BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

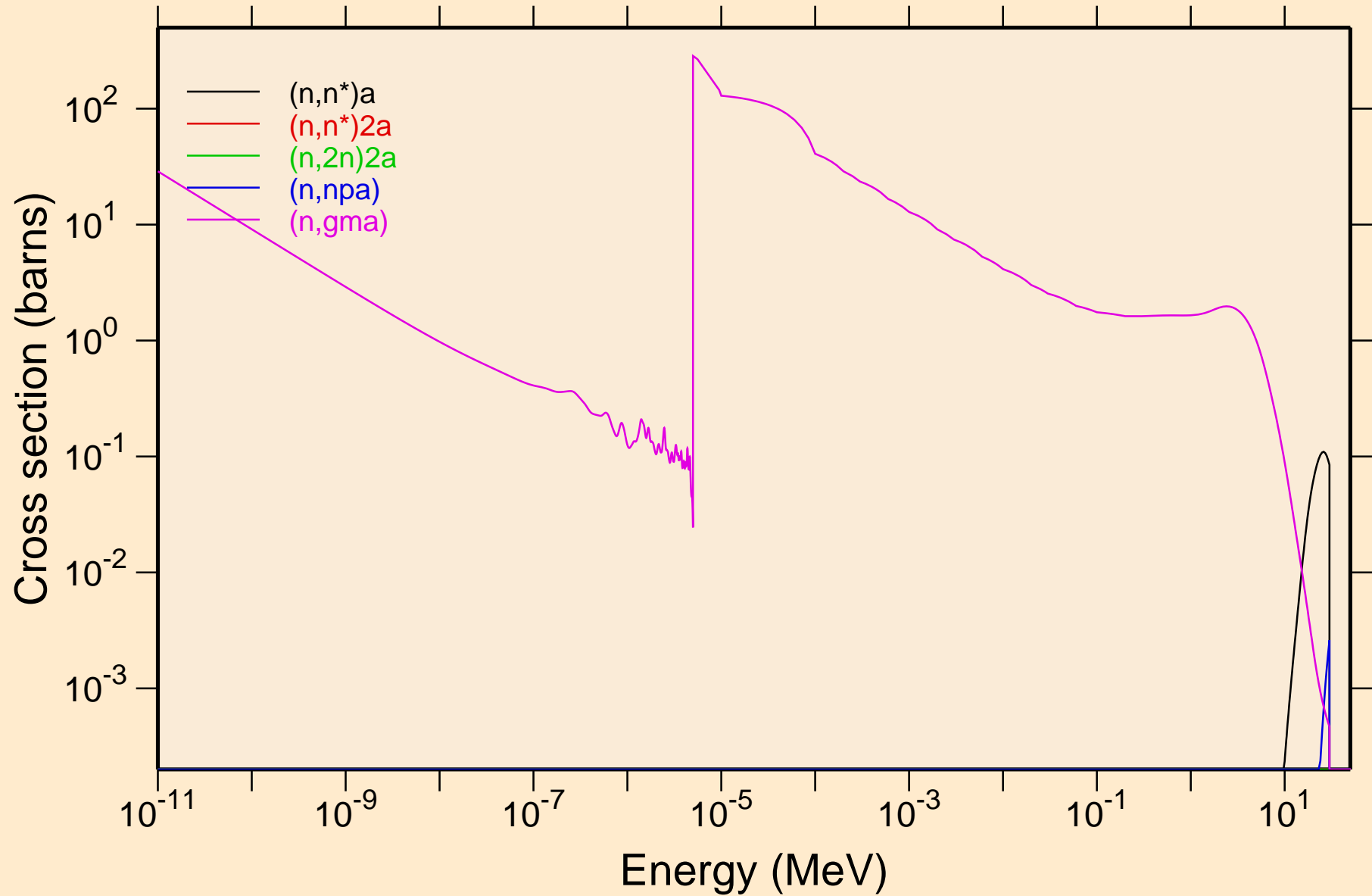


# BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

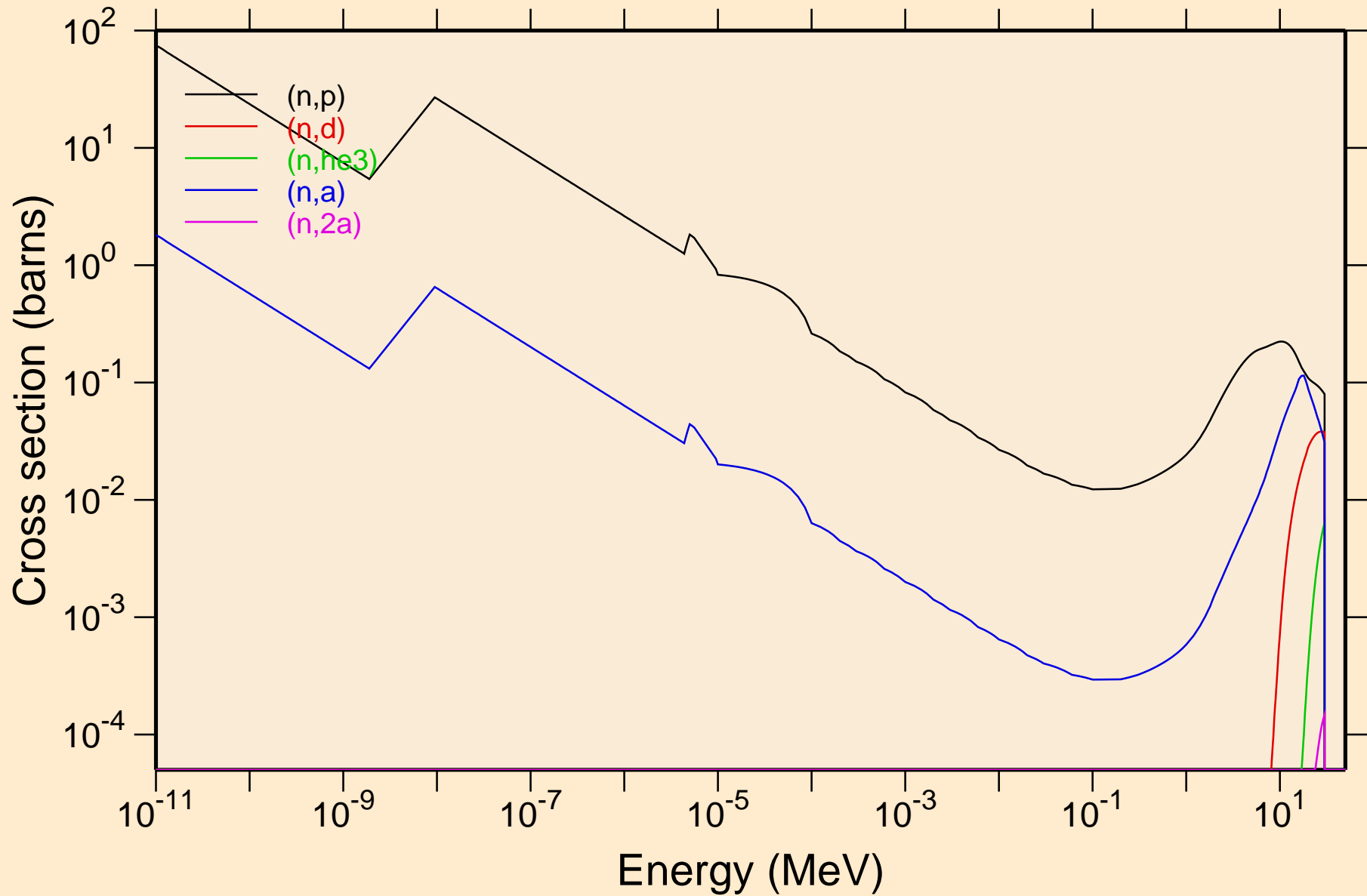
## Damage



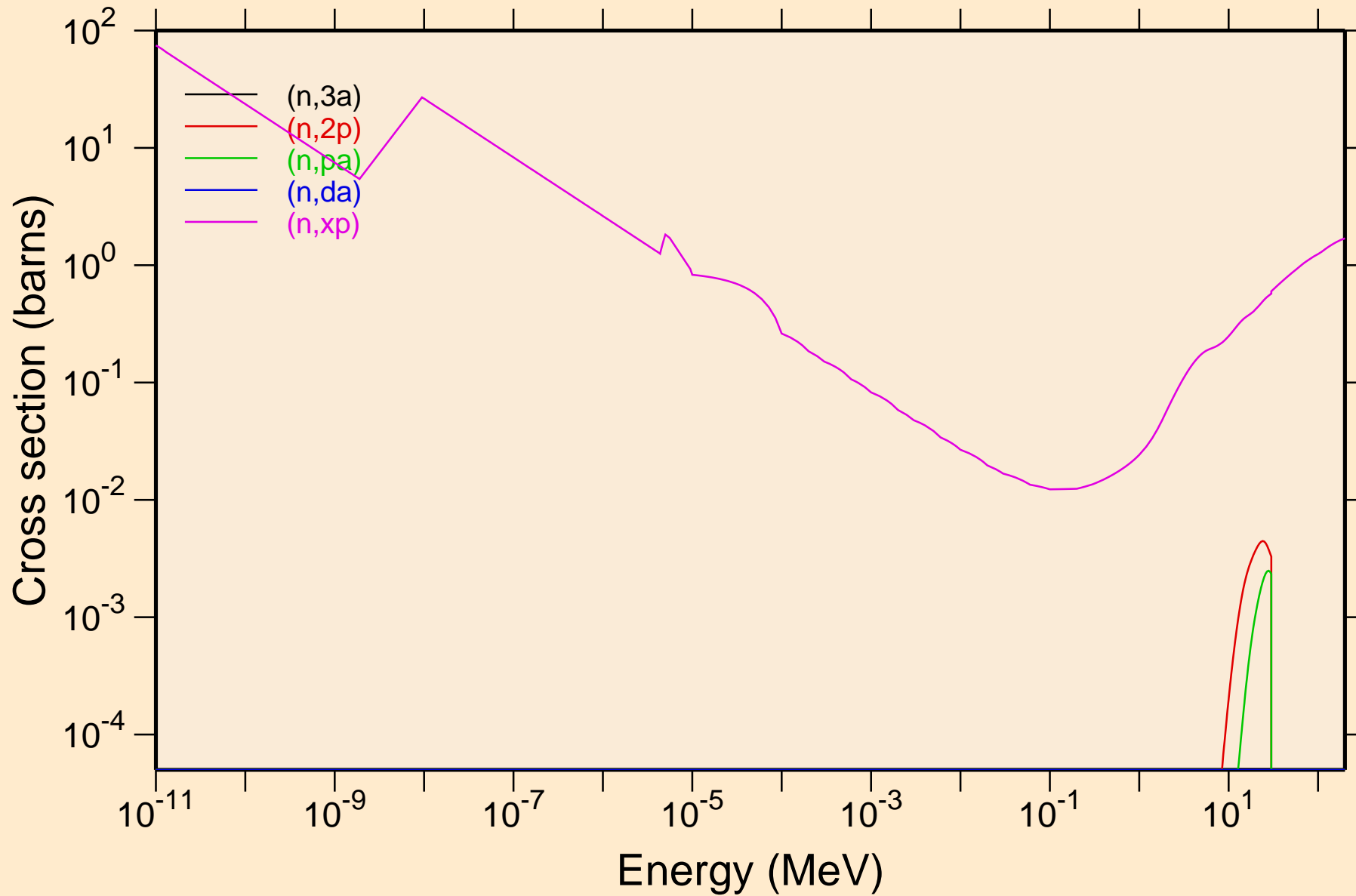
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



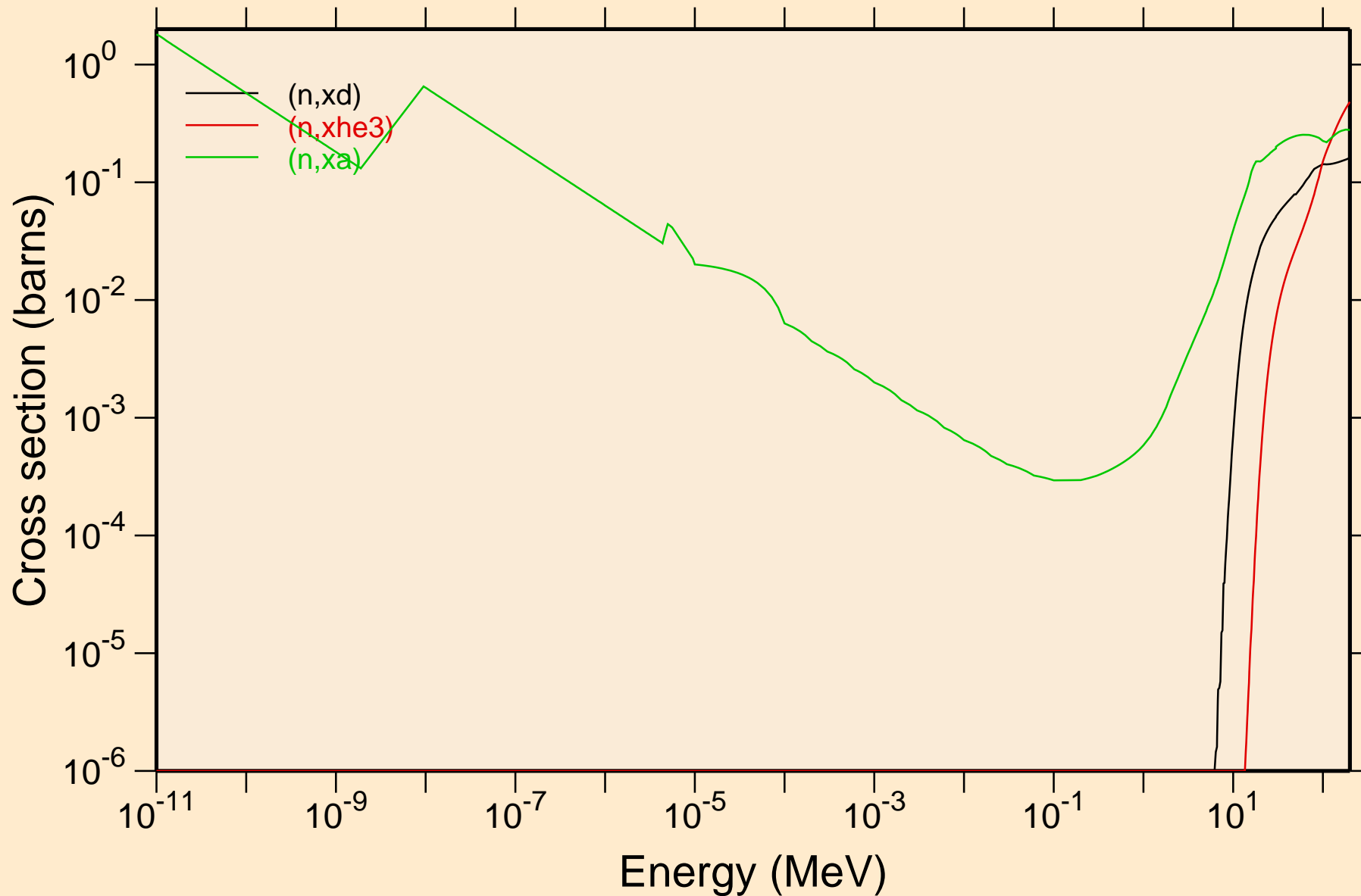
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Non-threshold reactions



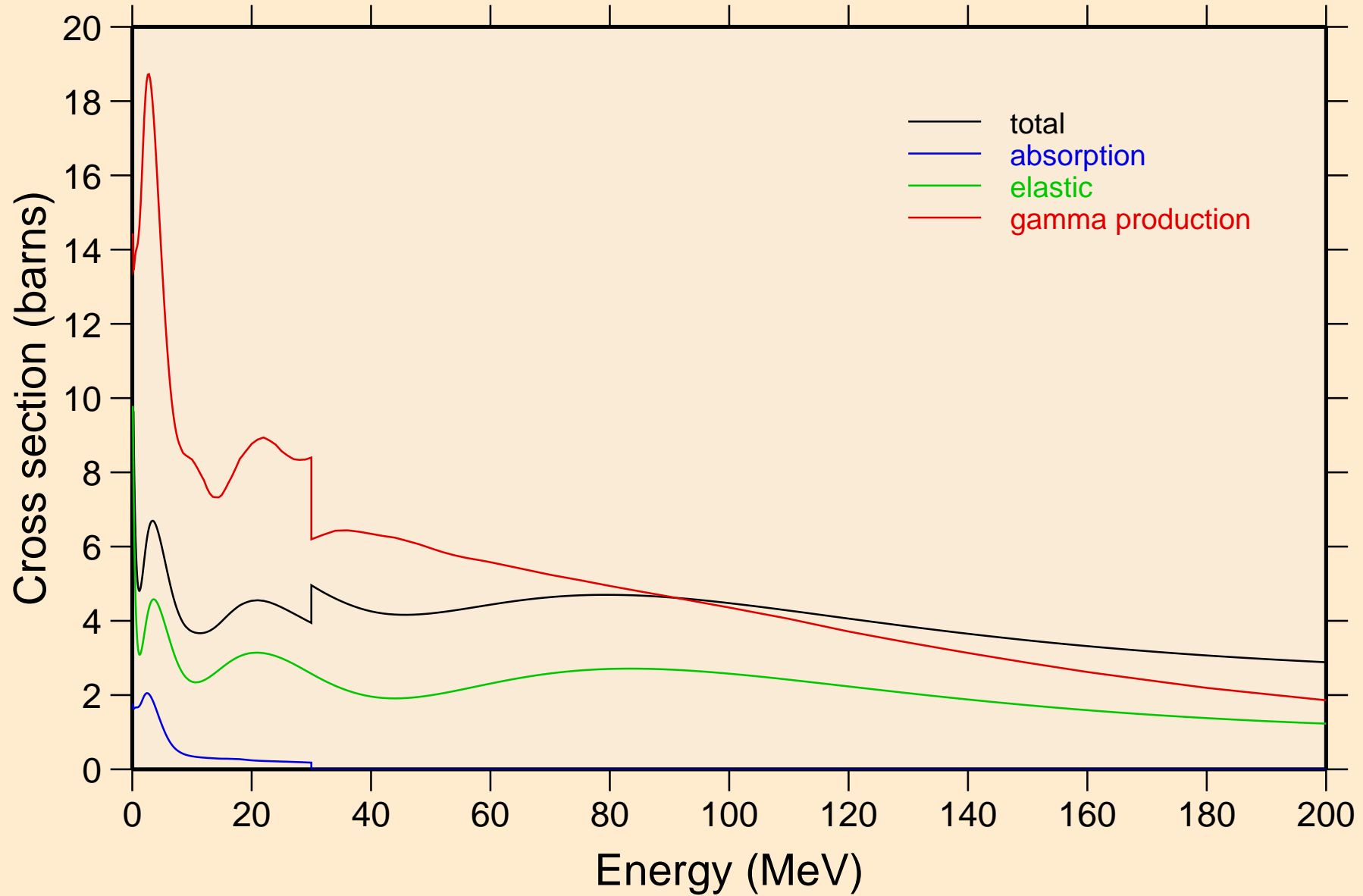
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



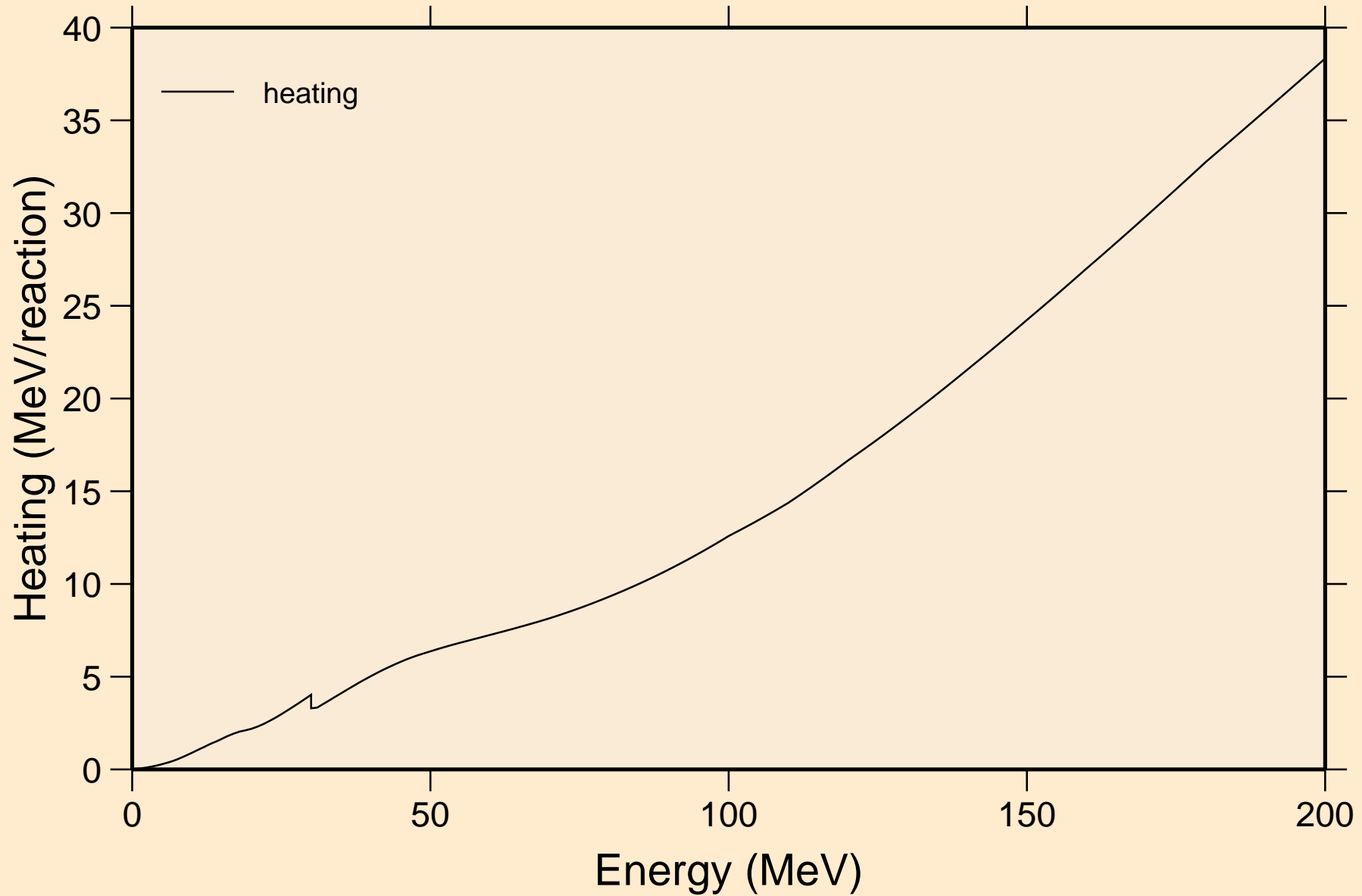
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Principal cross sections



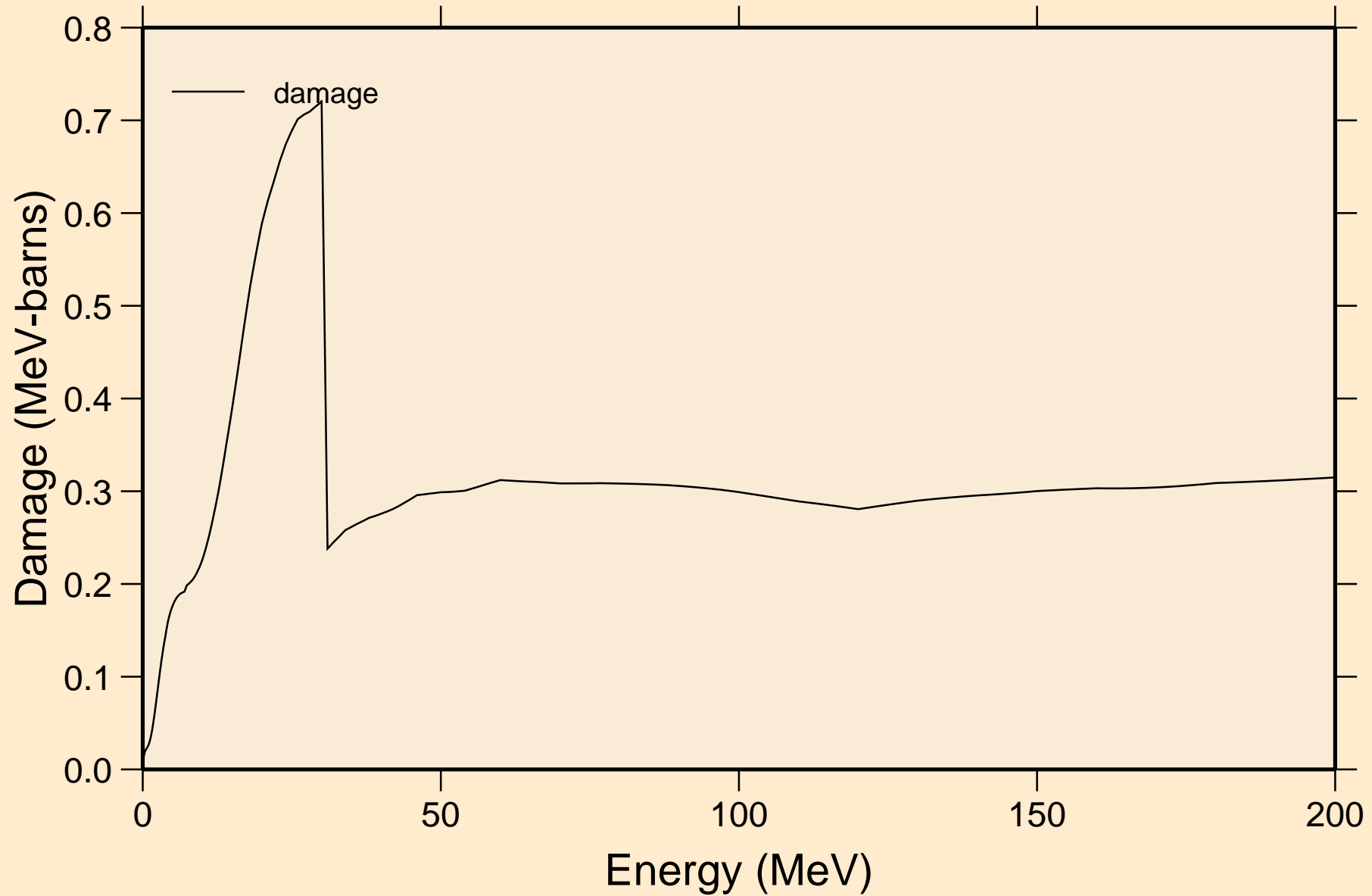


# BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

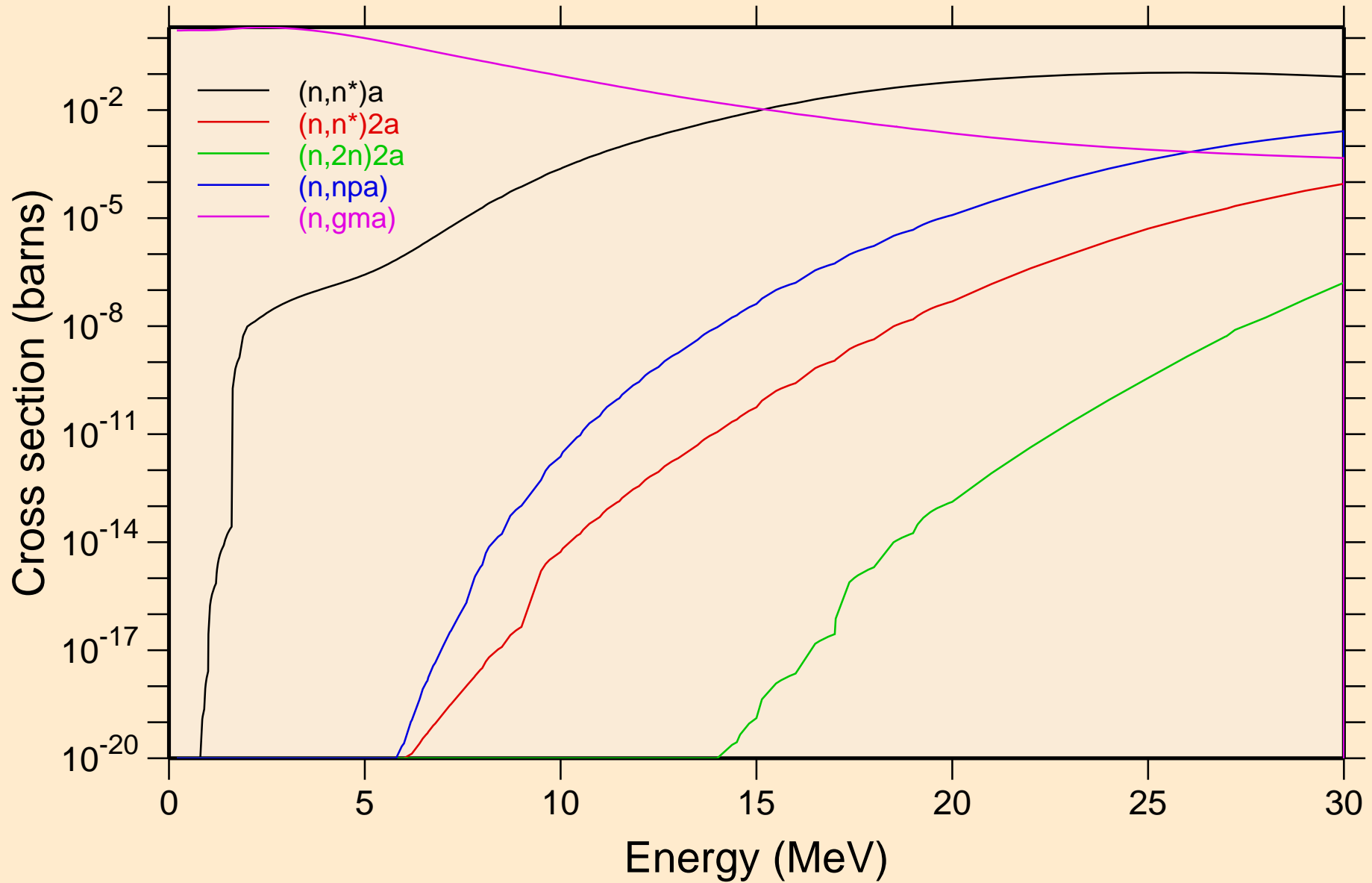


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

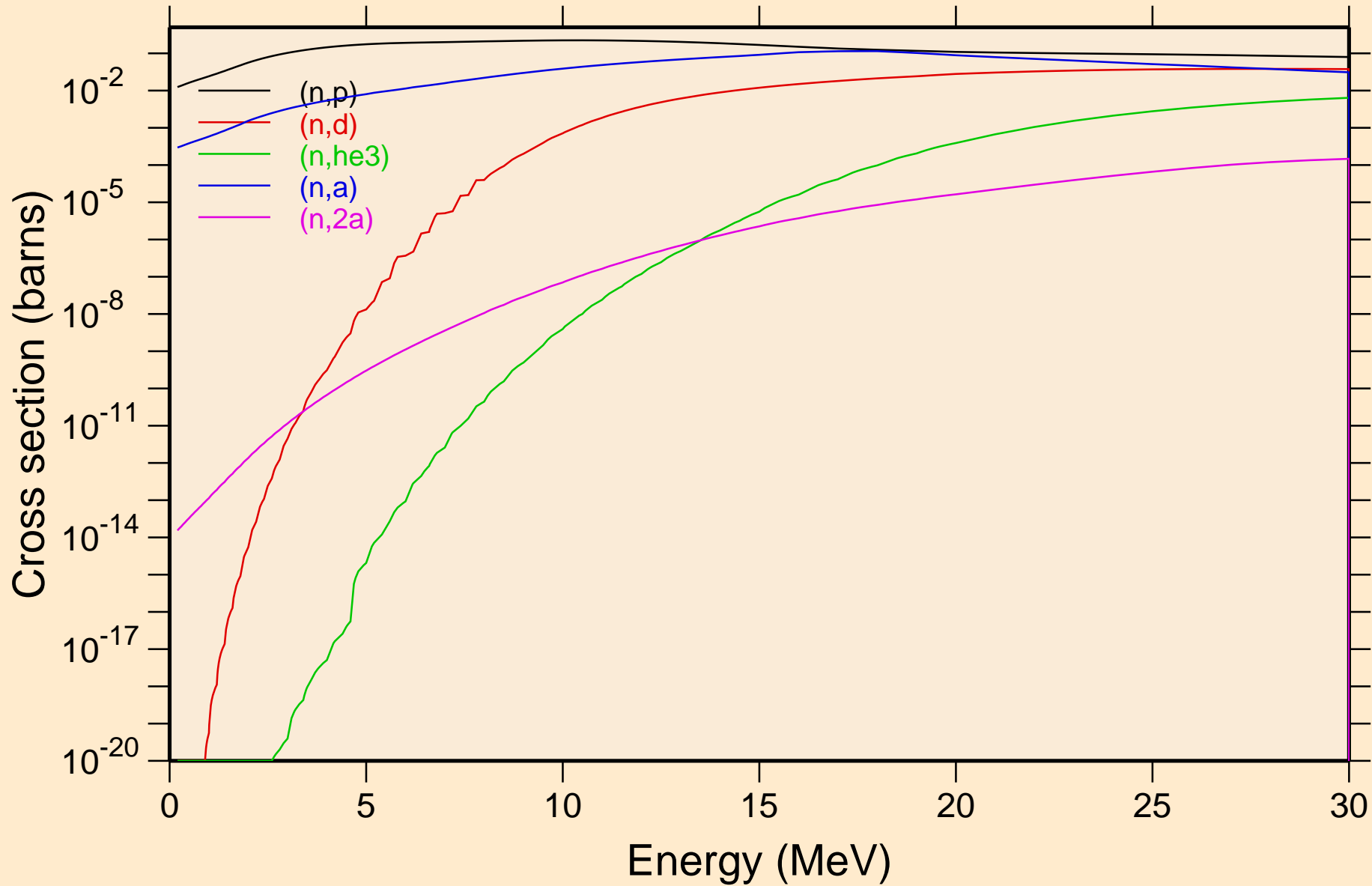


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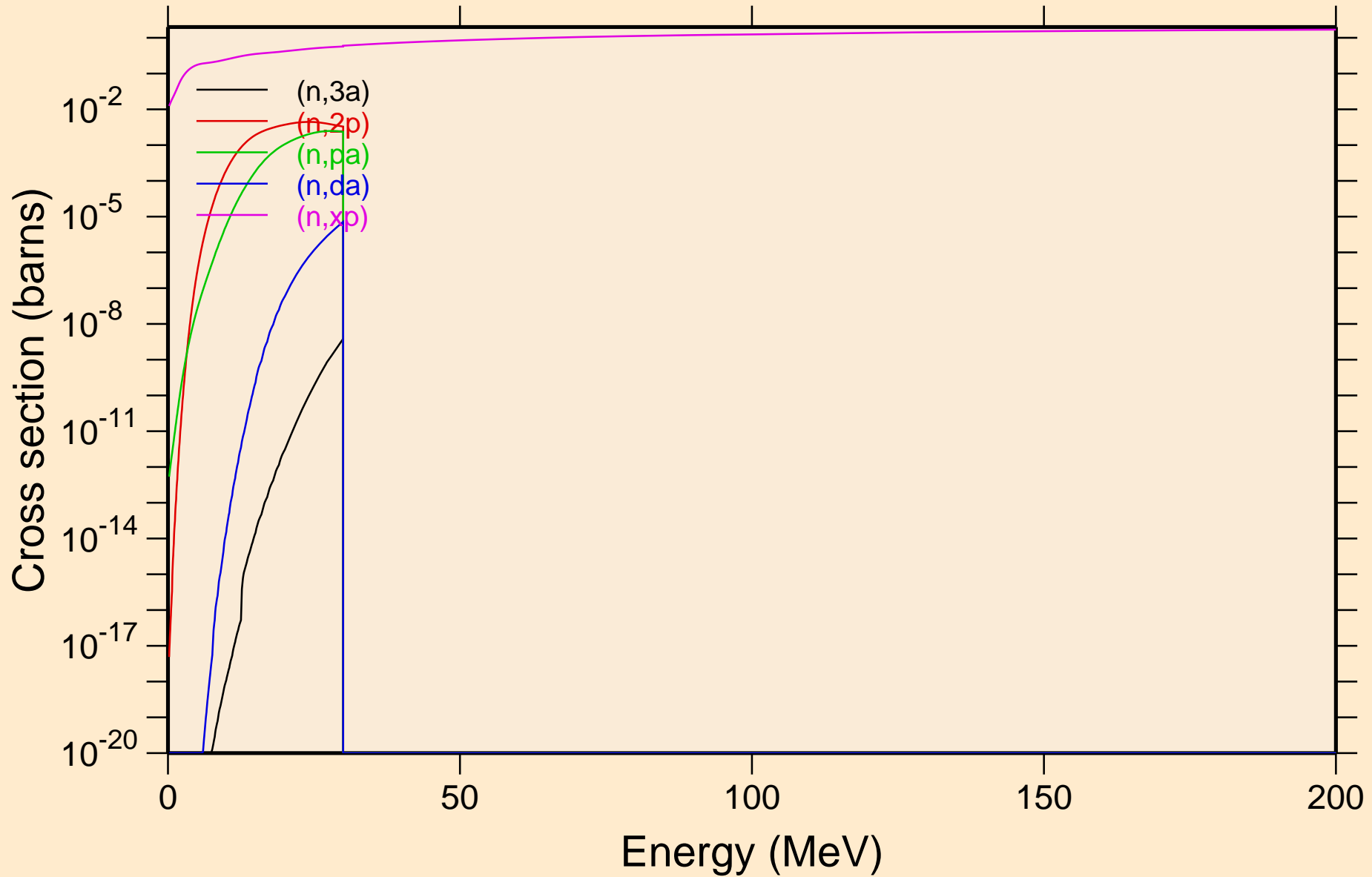
## Non-threshold reactions



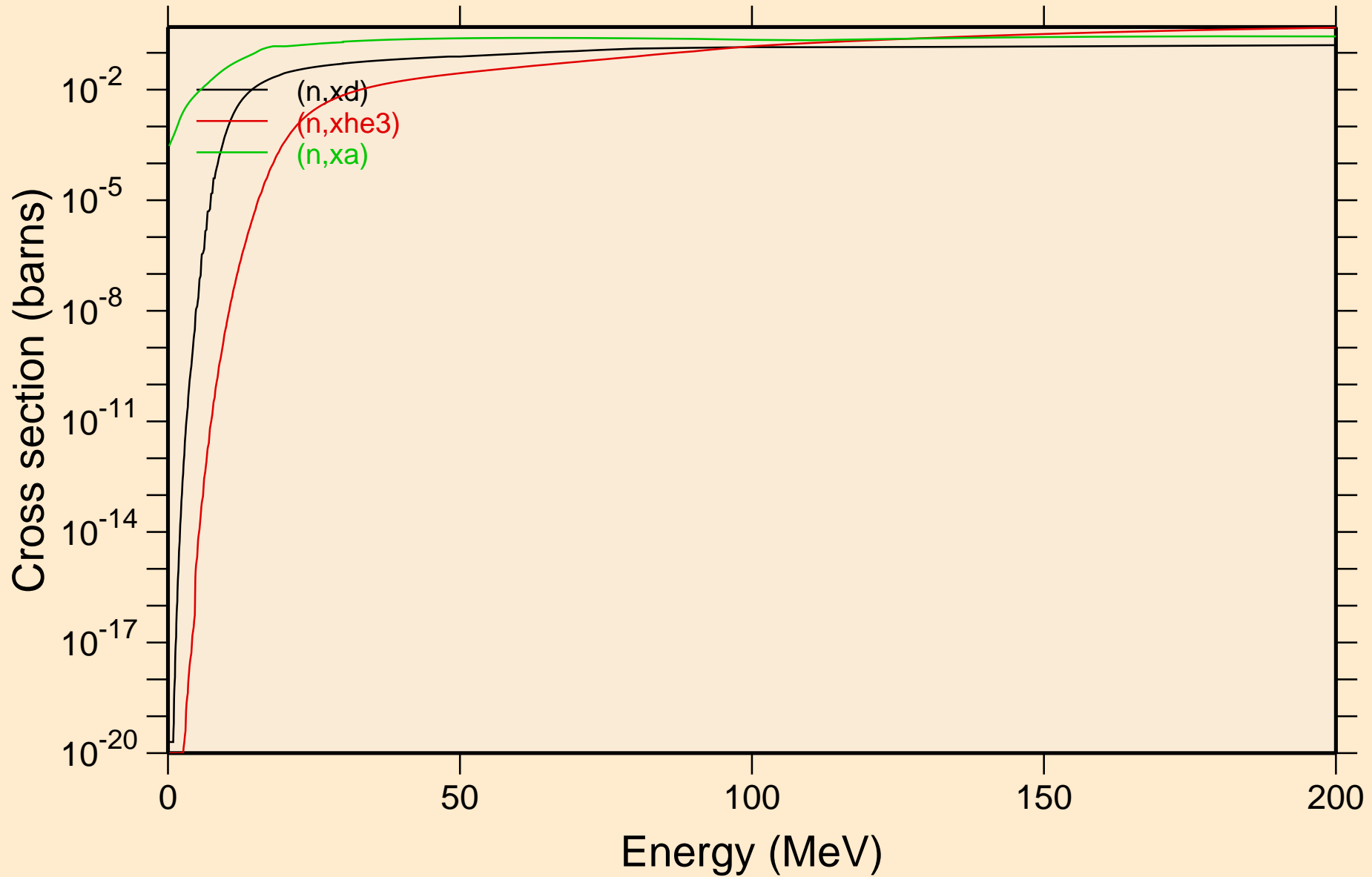
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Non-threshold reactions



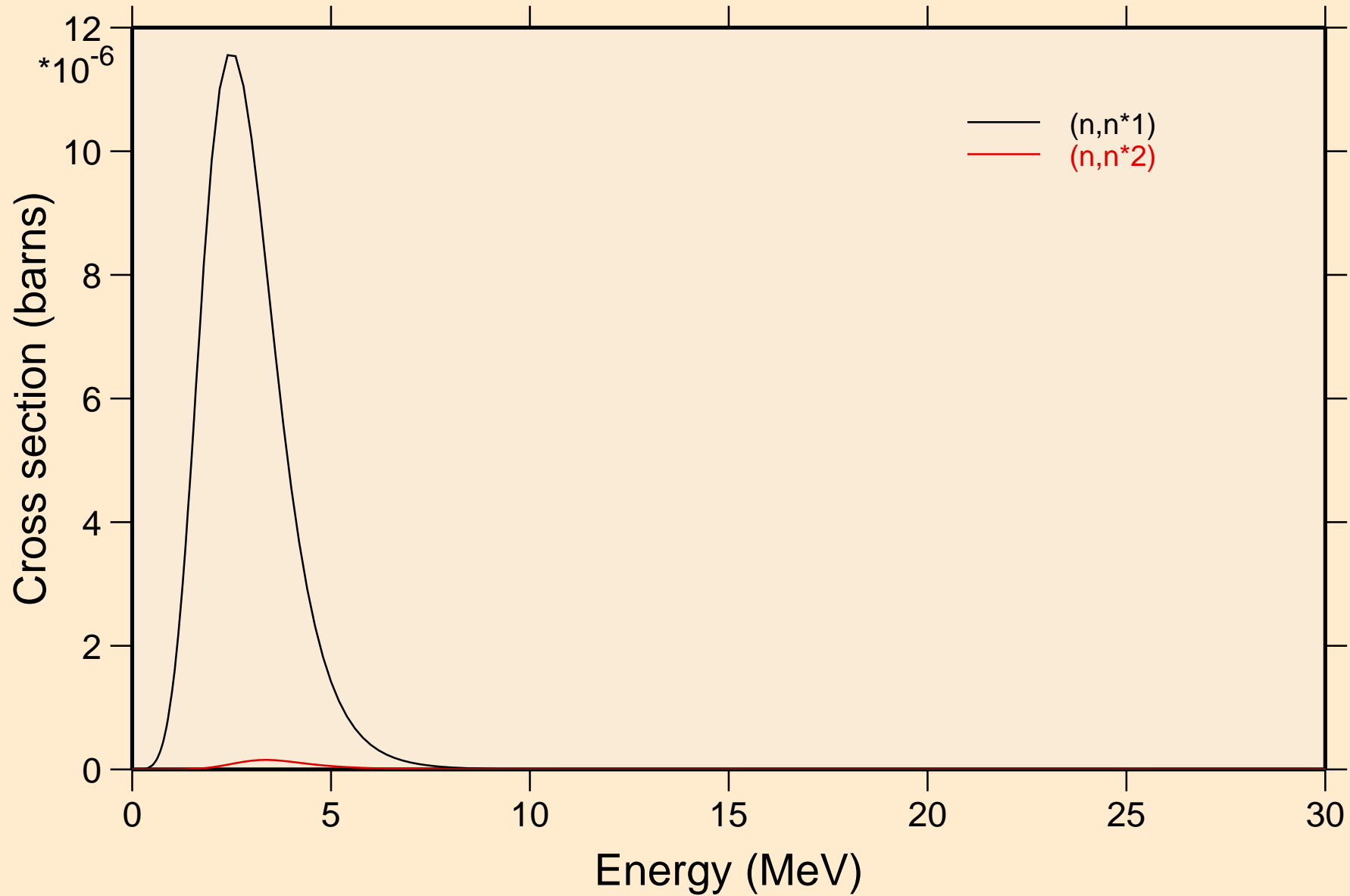
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Non-threshold reactions



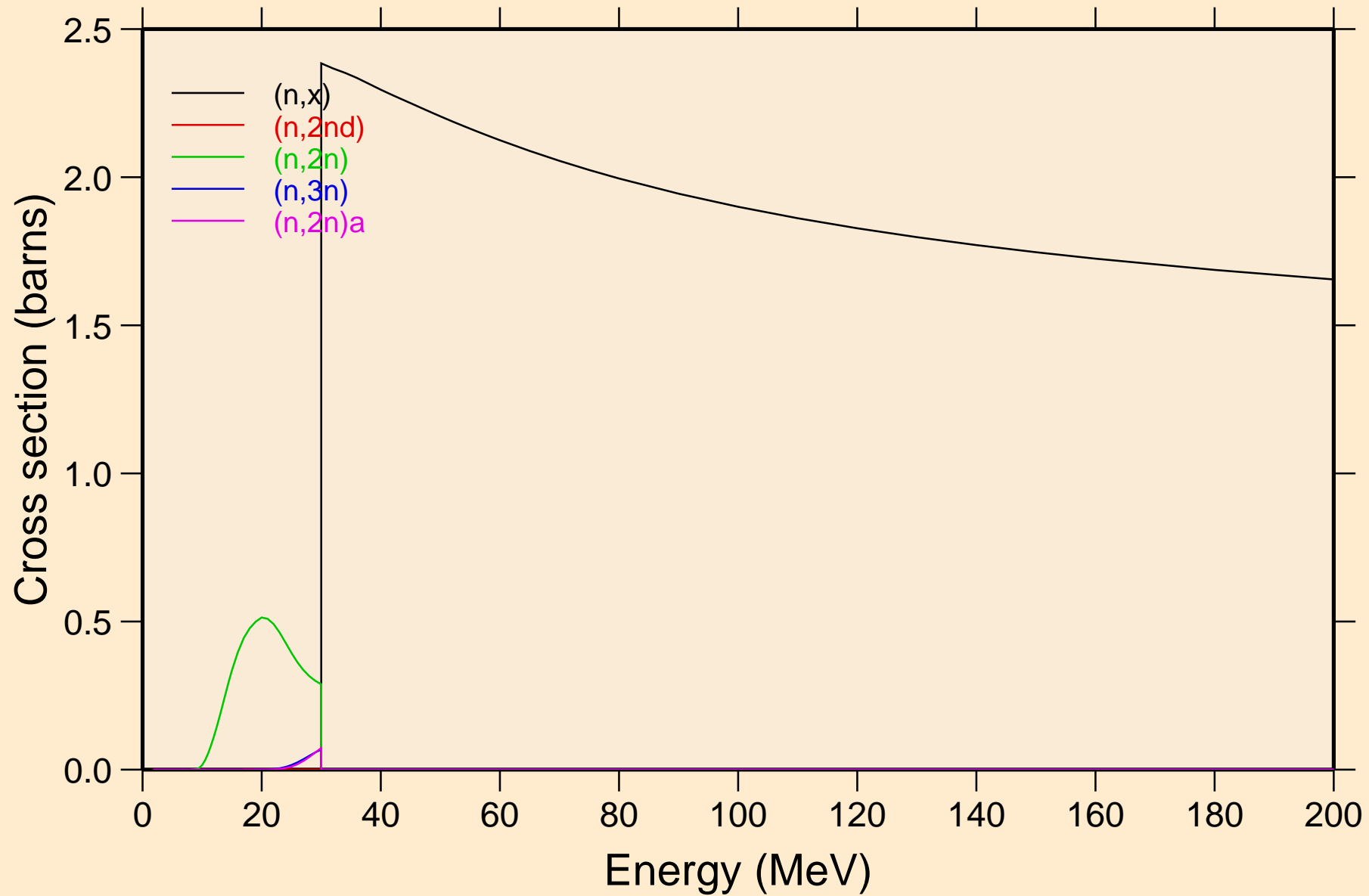
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

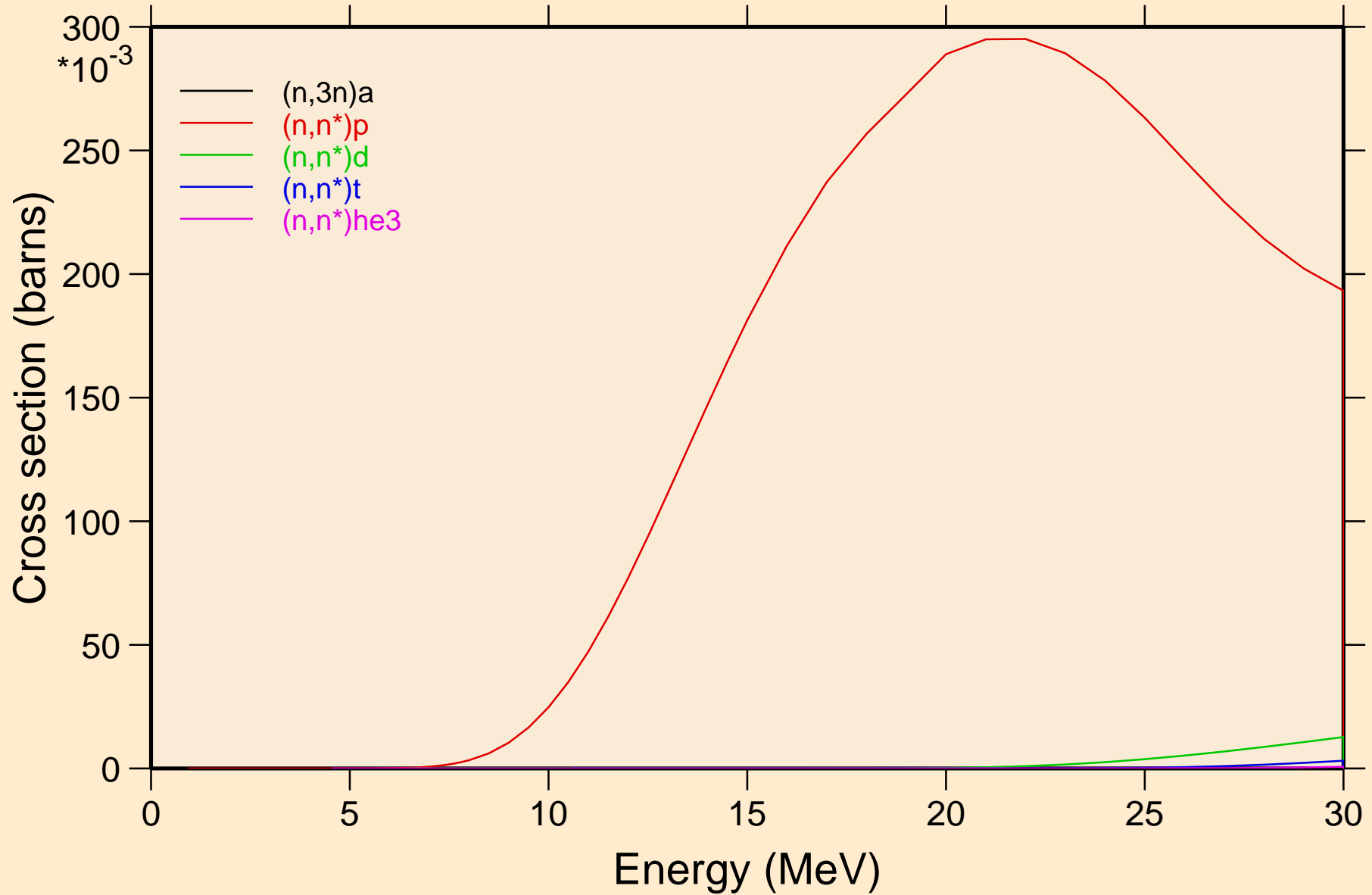


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

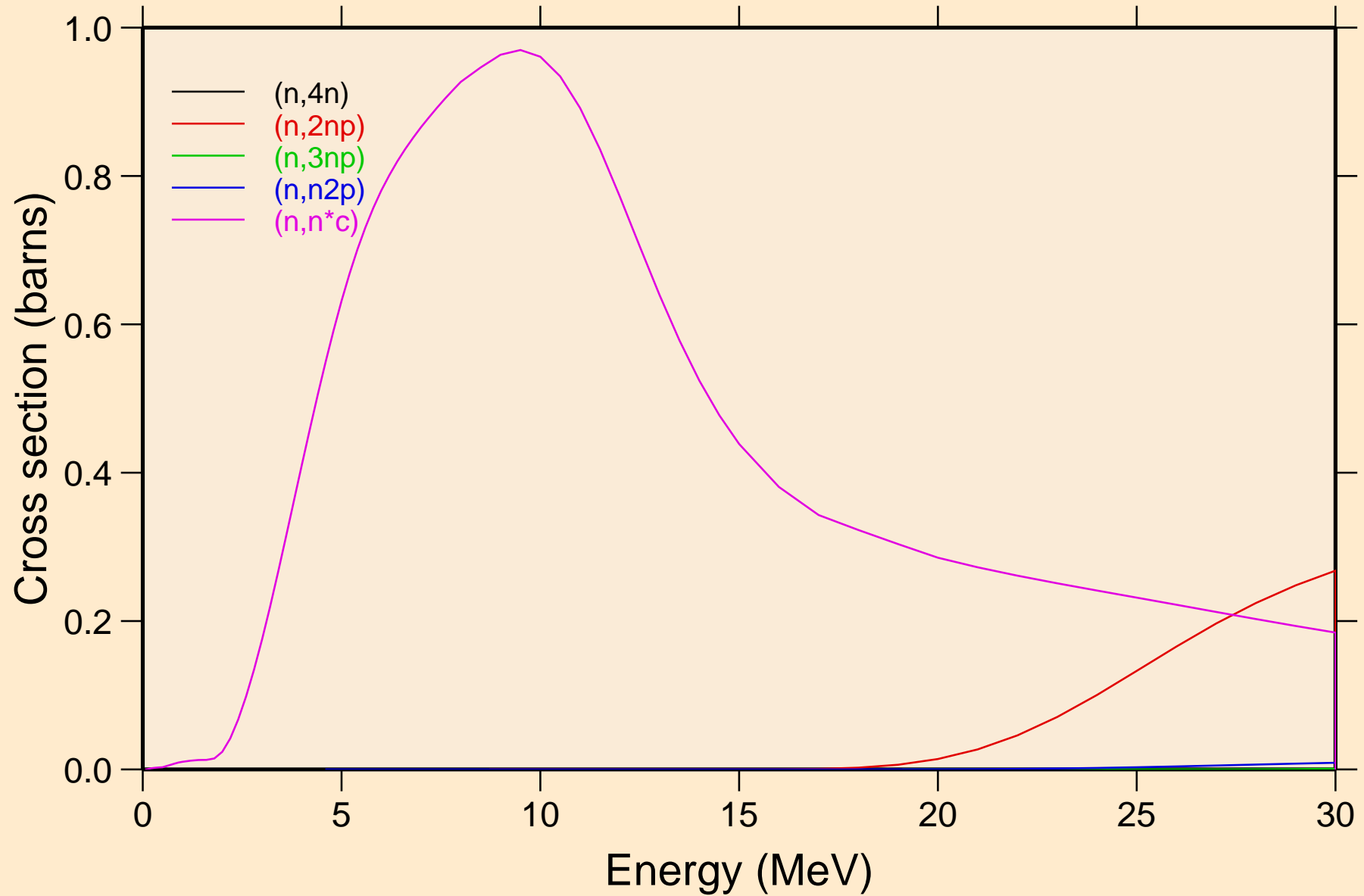




BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

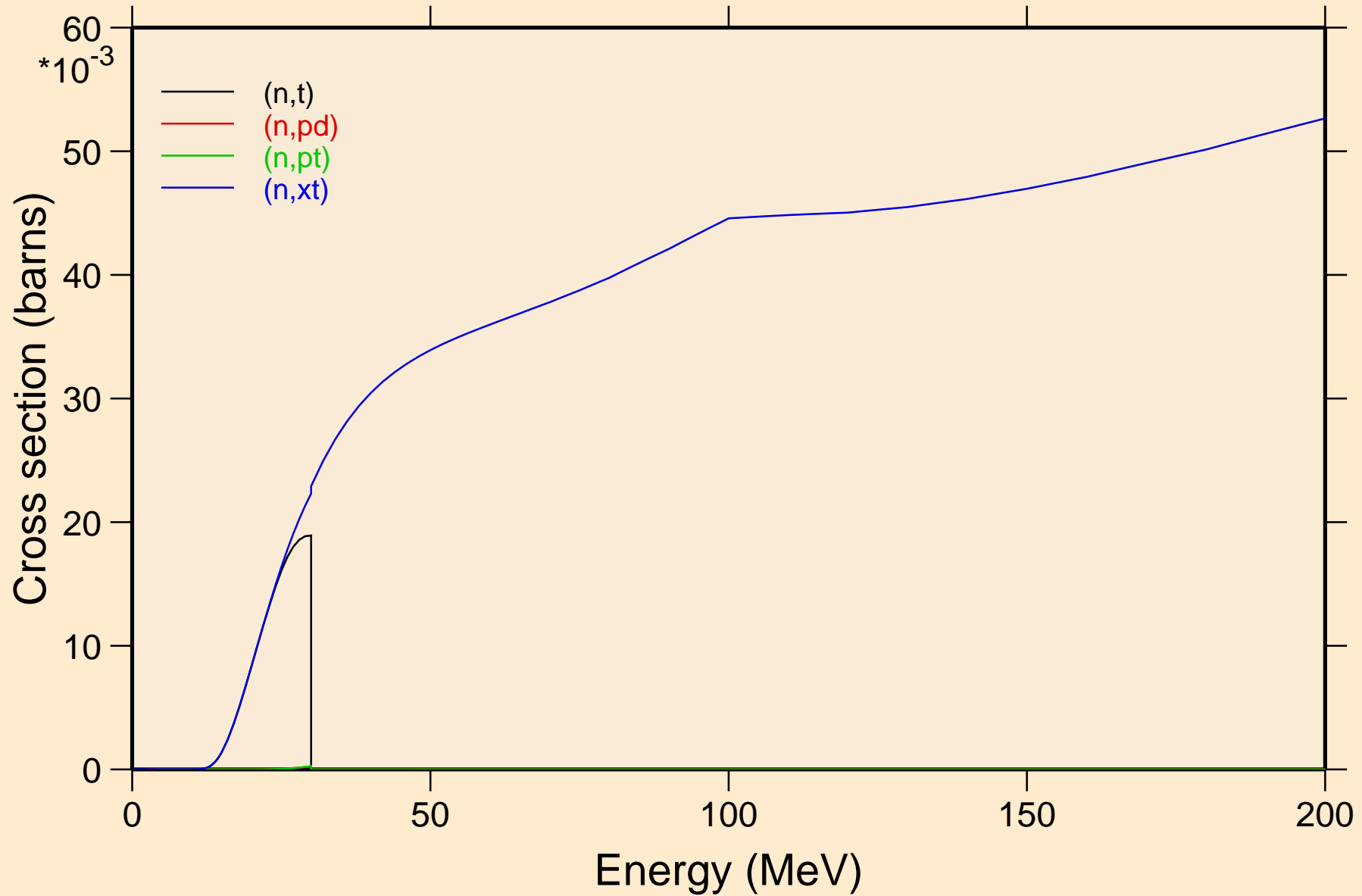


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

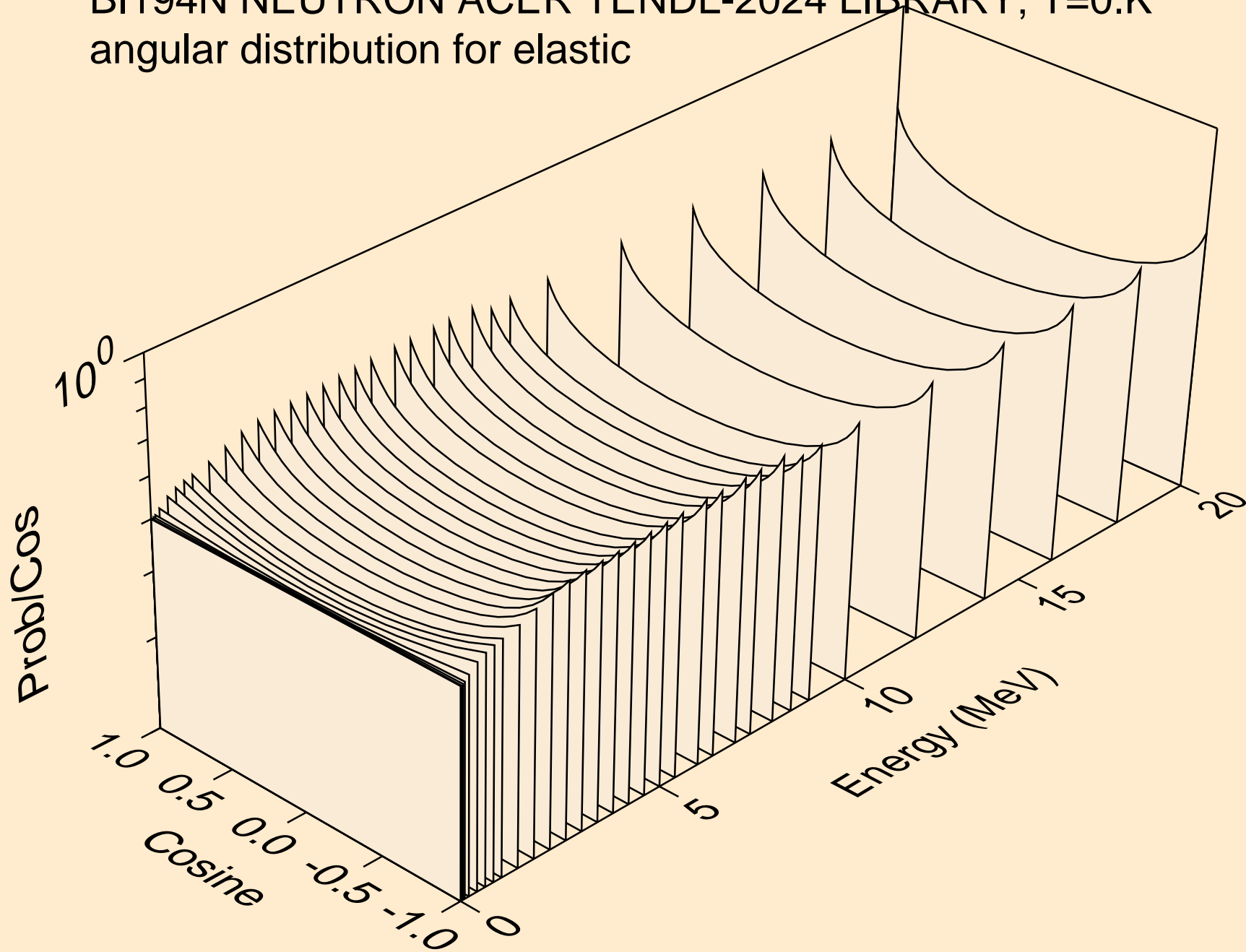


# BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

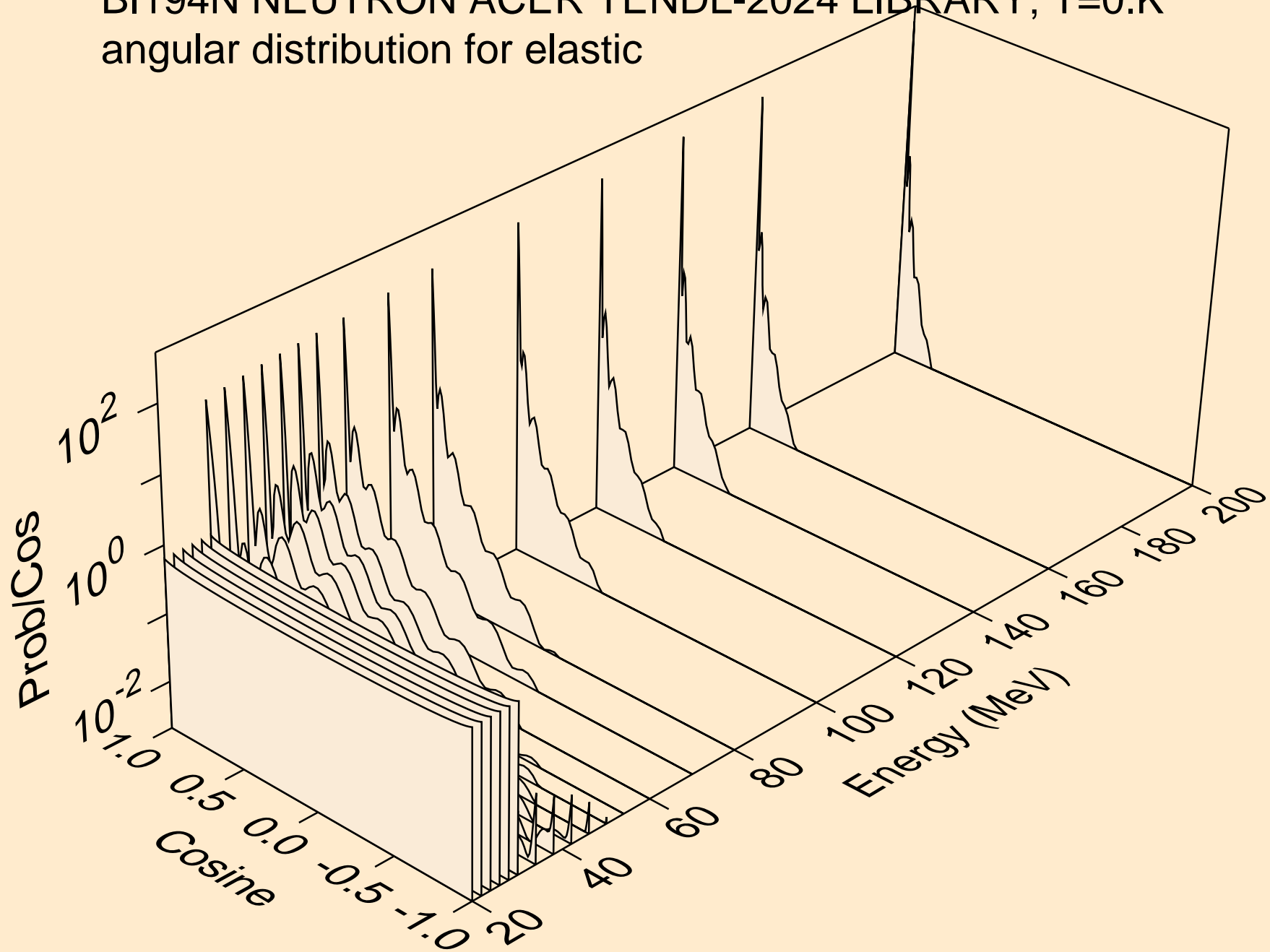
## Threshold reactions



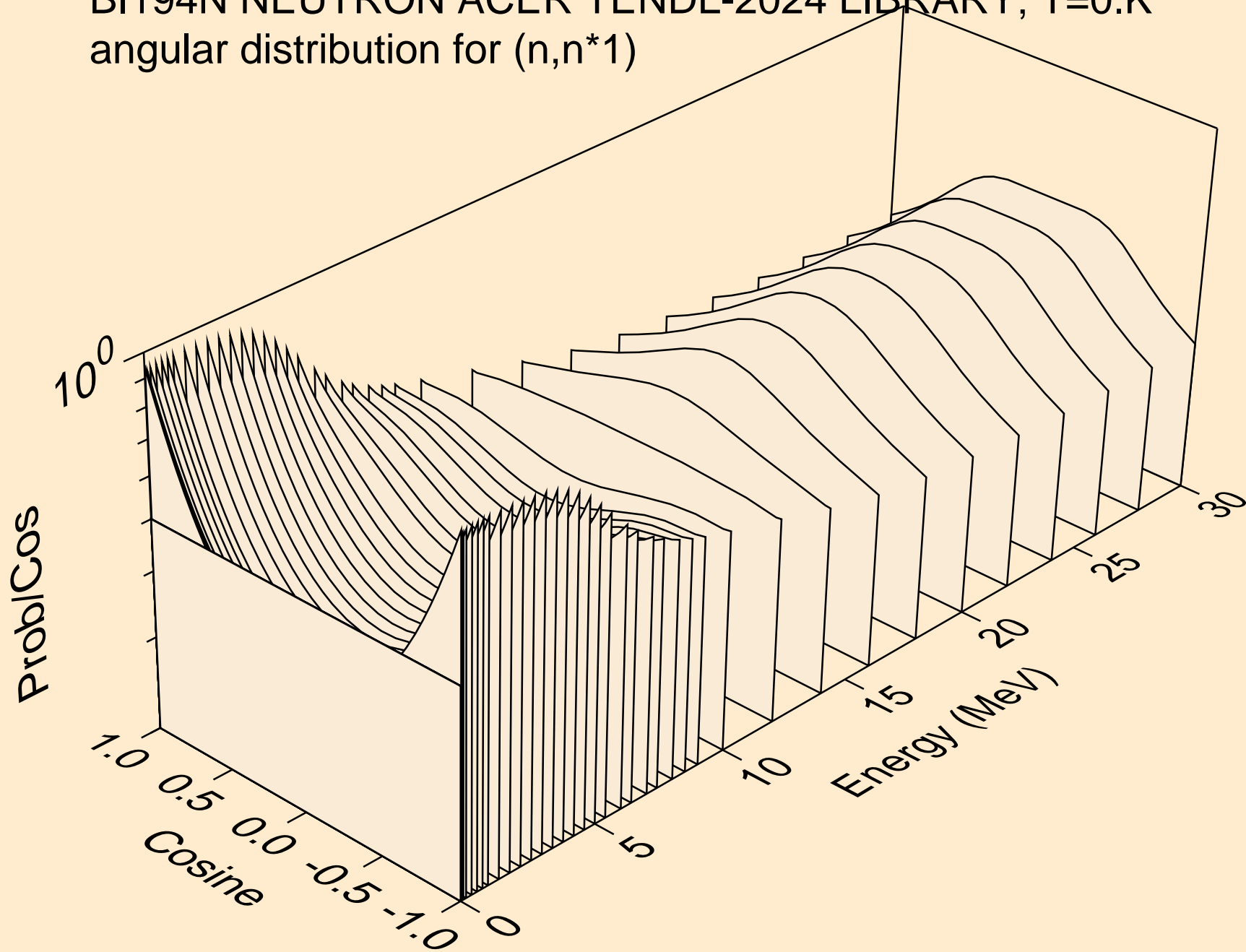
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



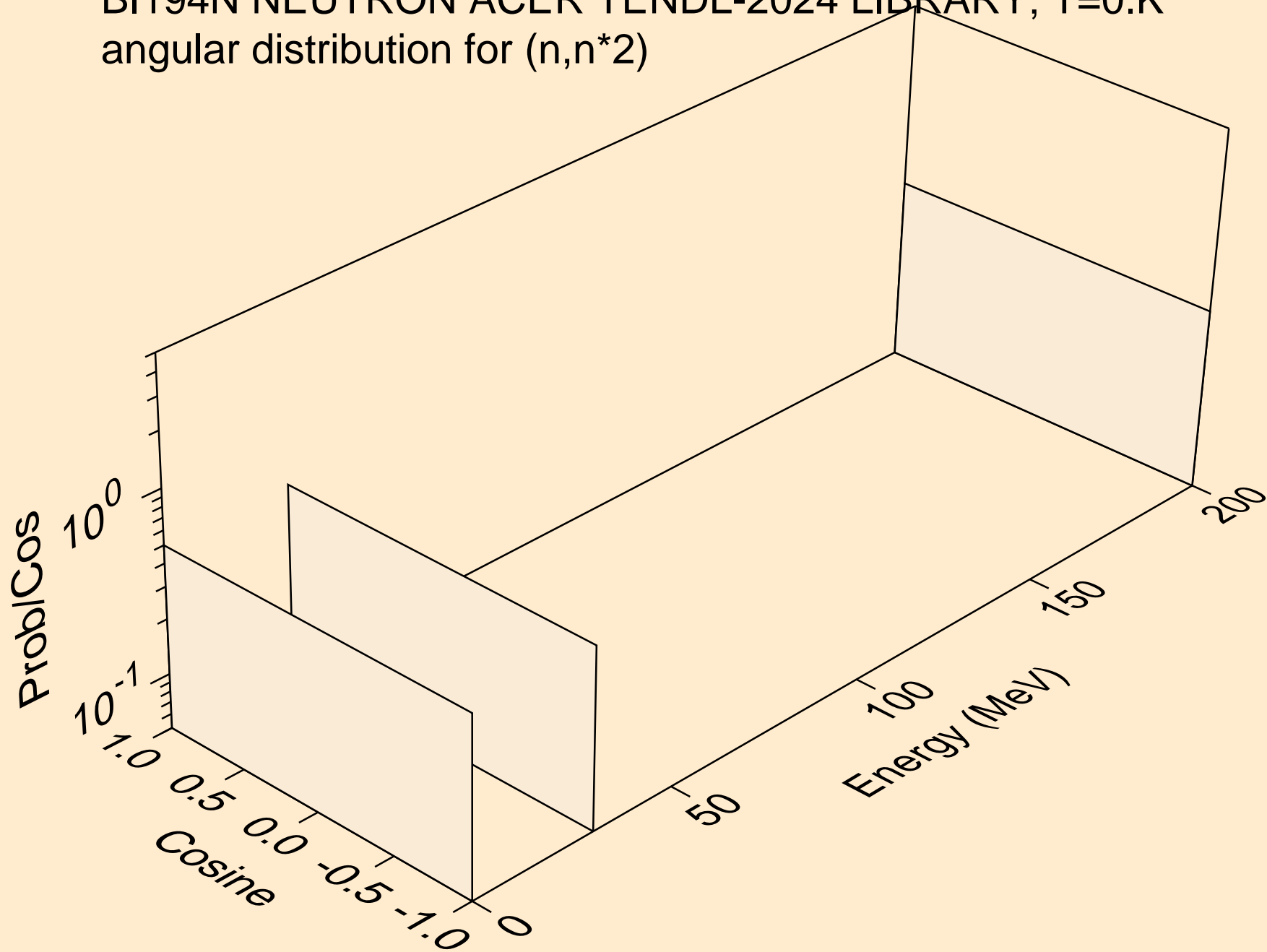
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



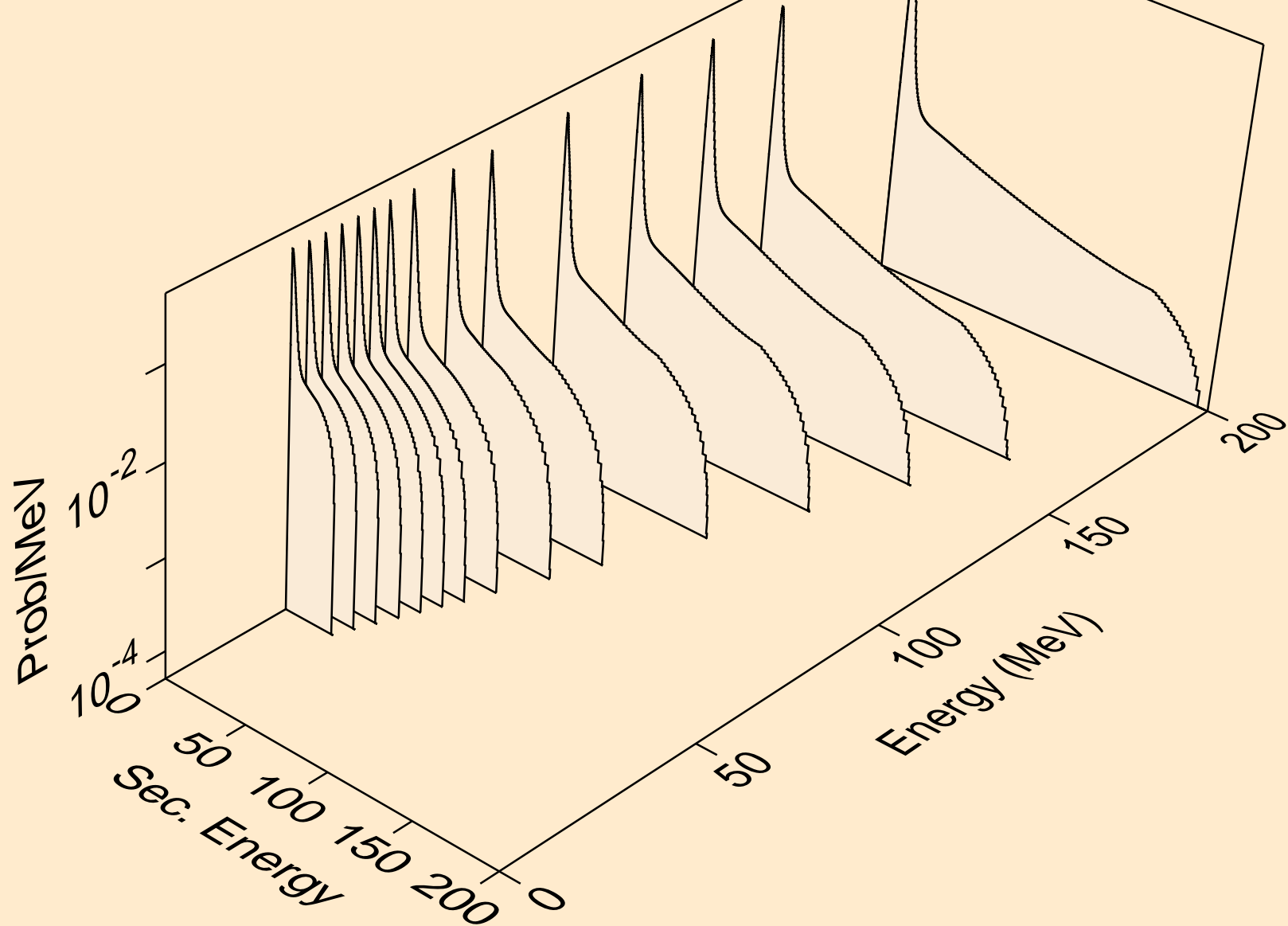
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

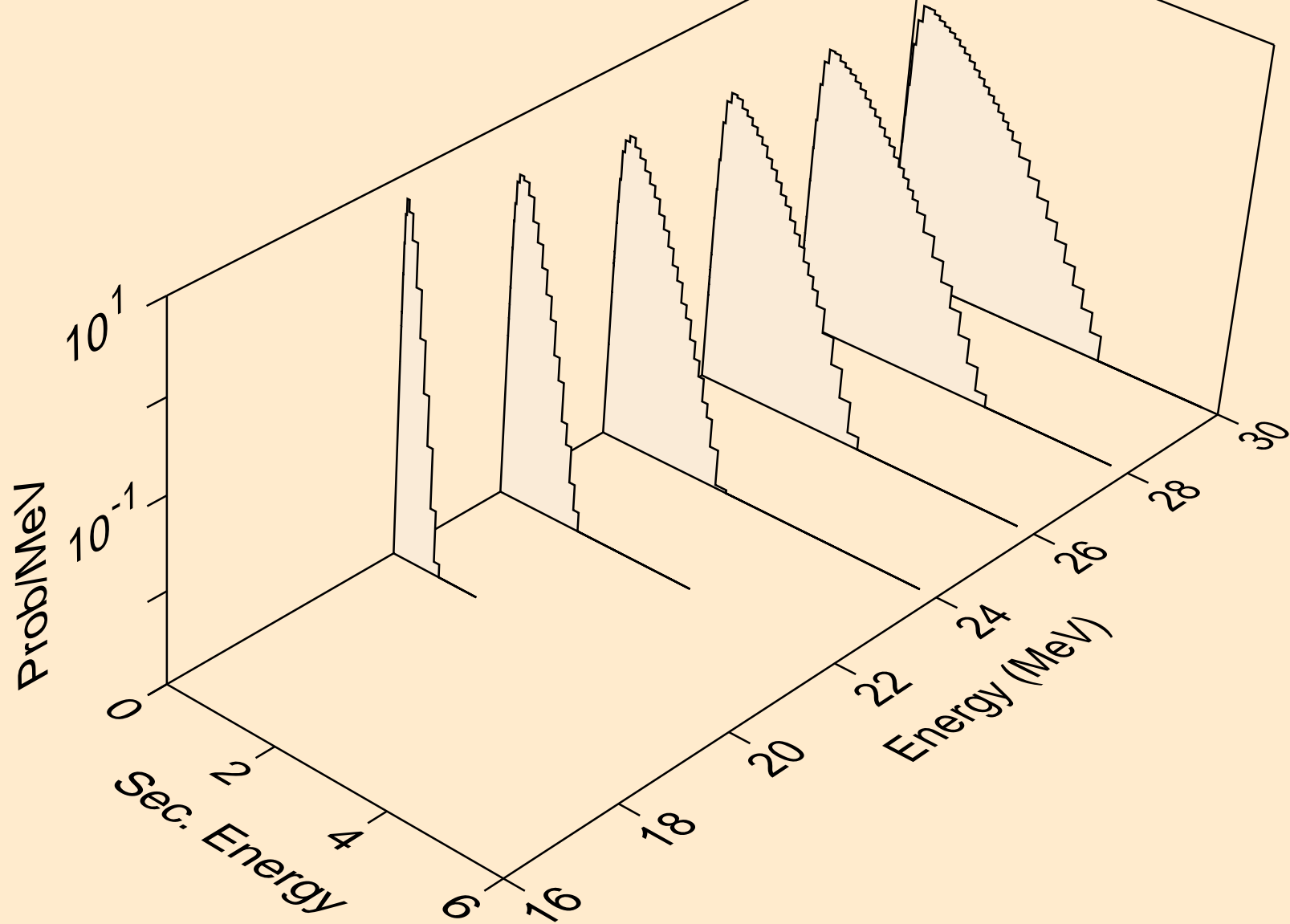


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

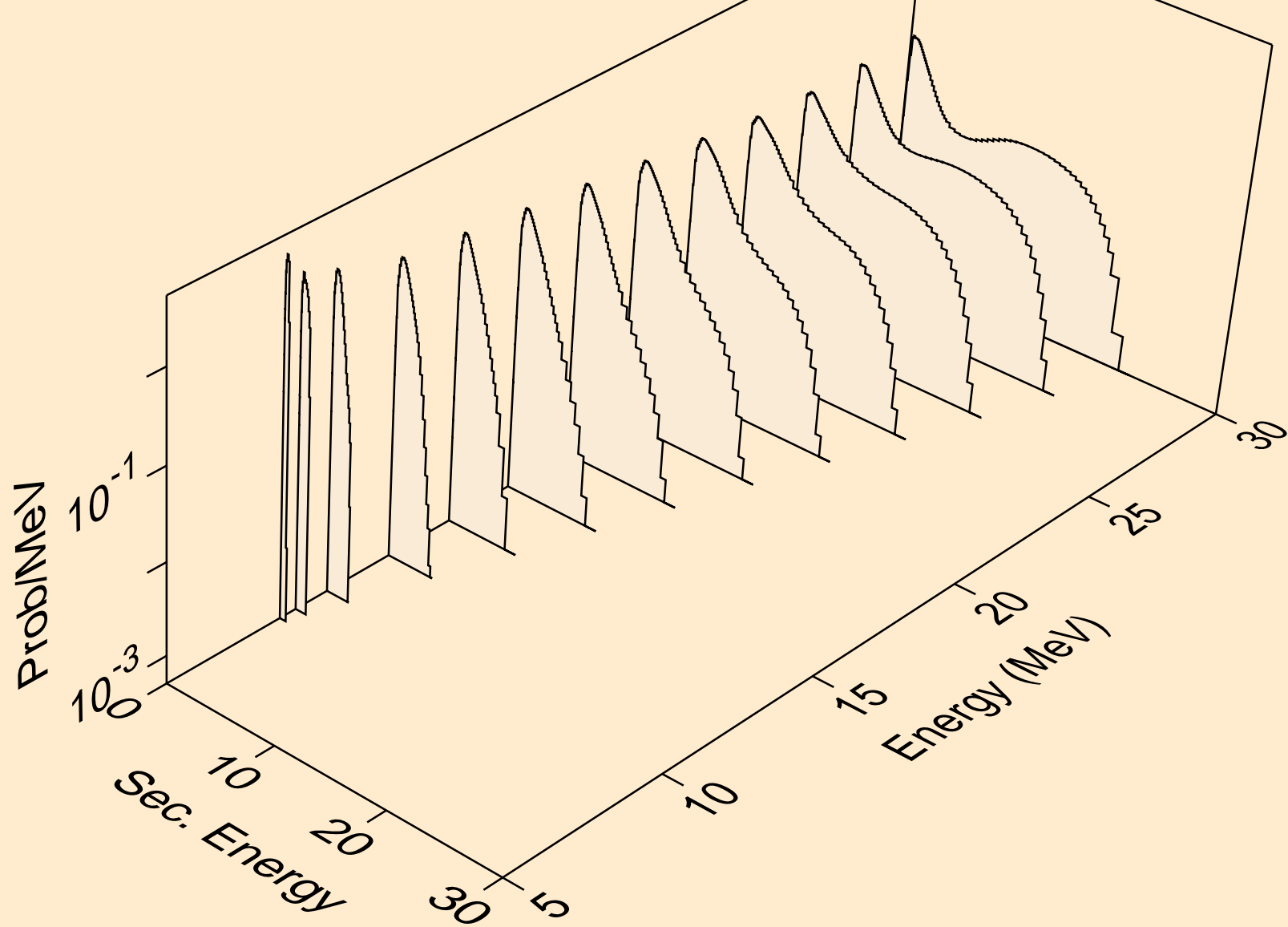




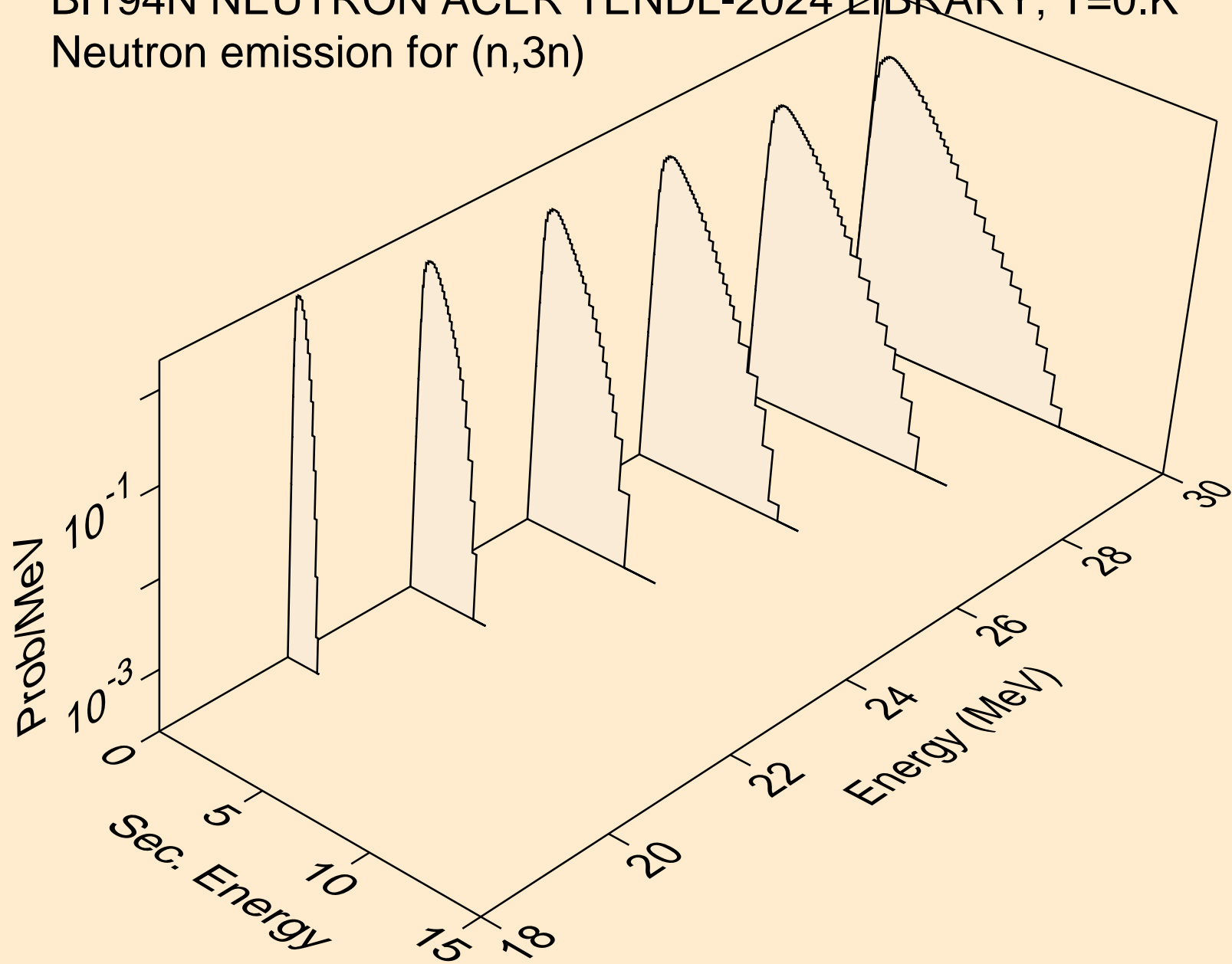
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



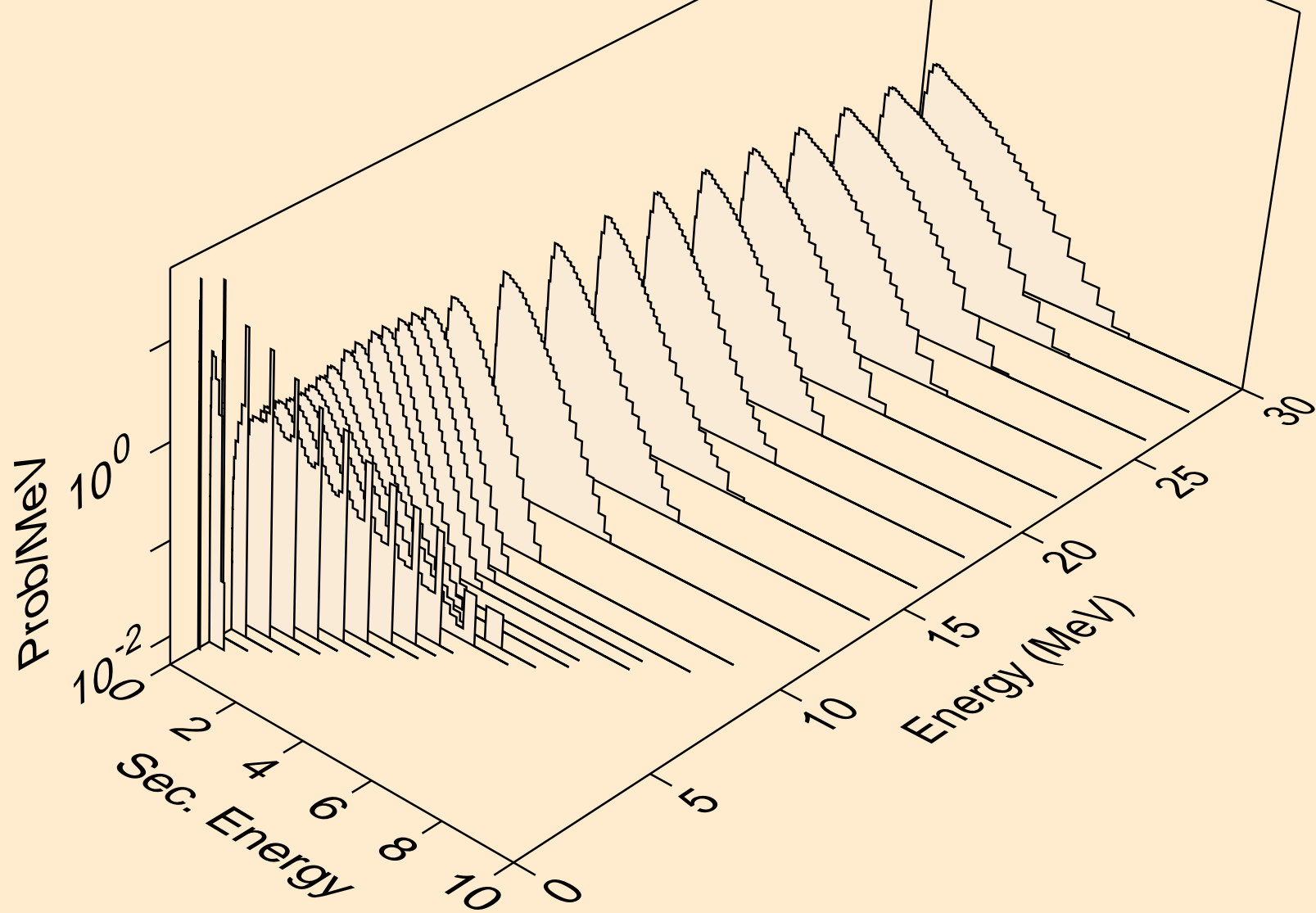
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Neutron emission for (n,2n)



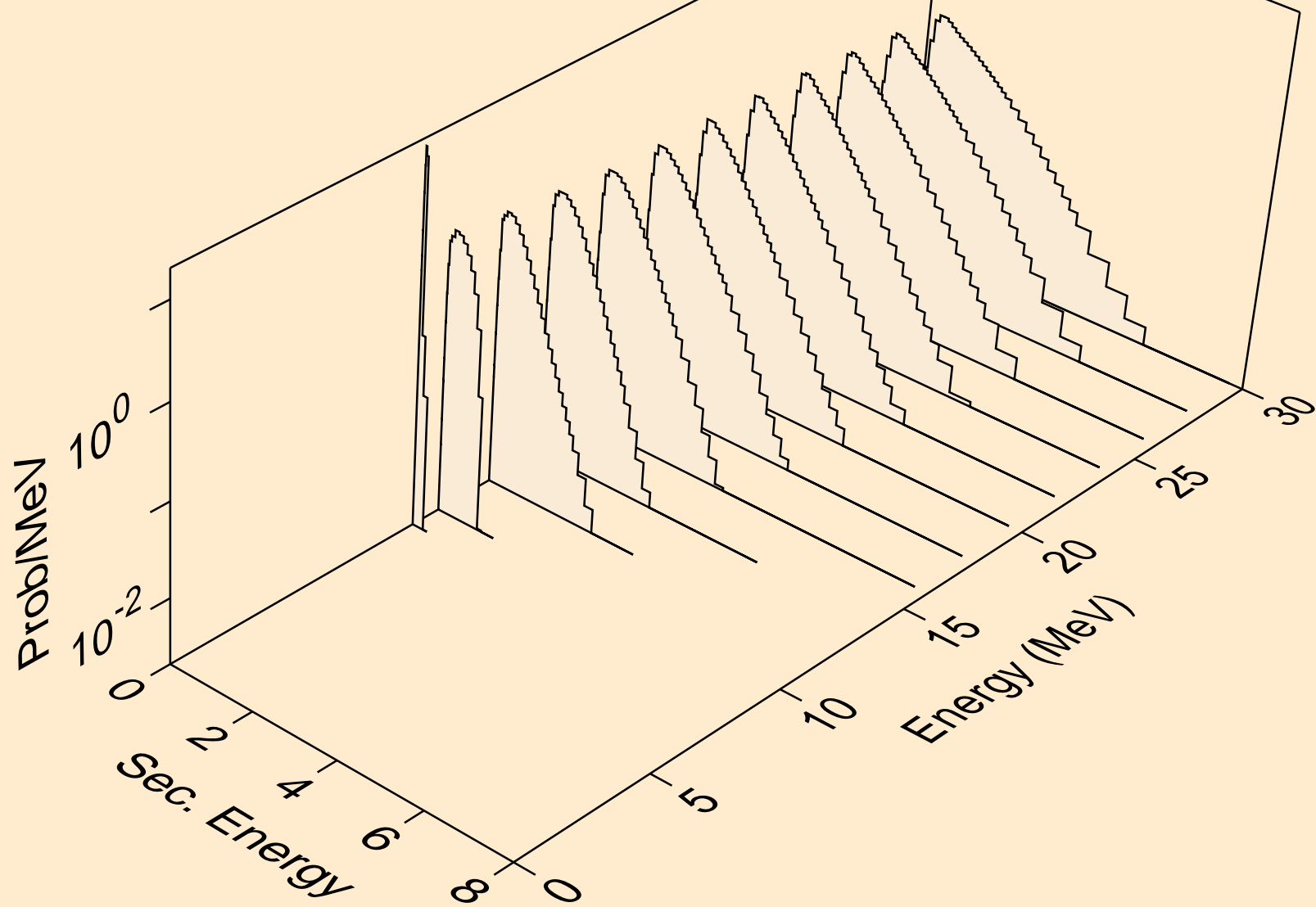
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Neutron emission for (n,3n)



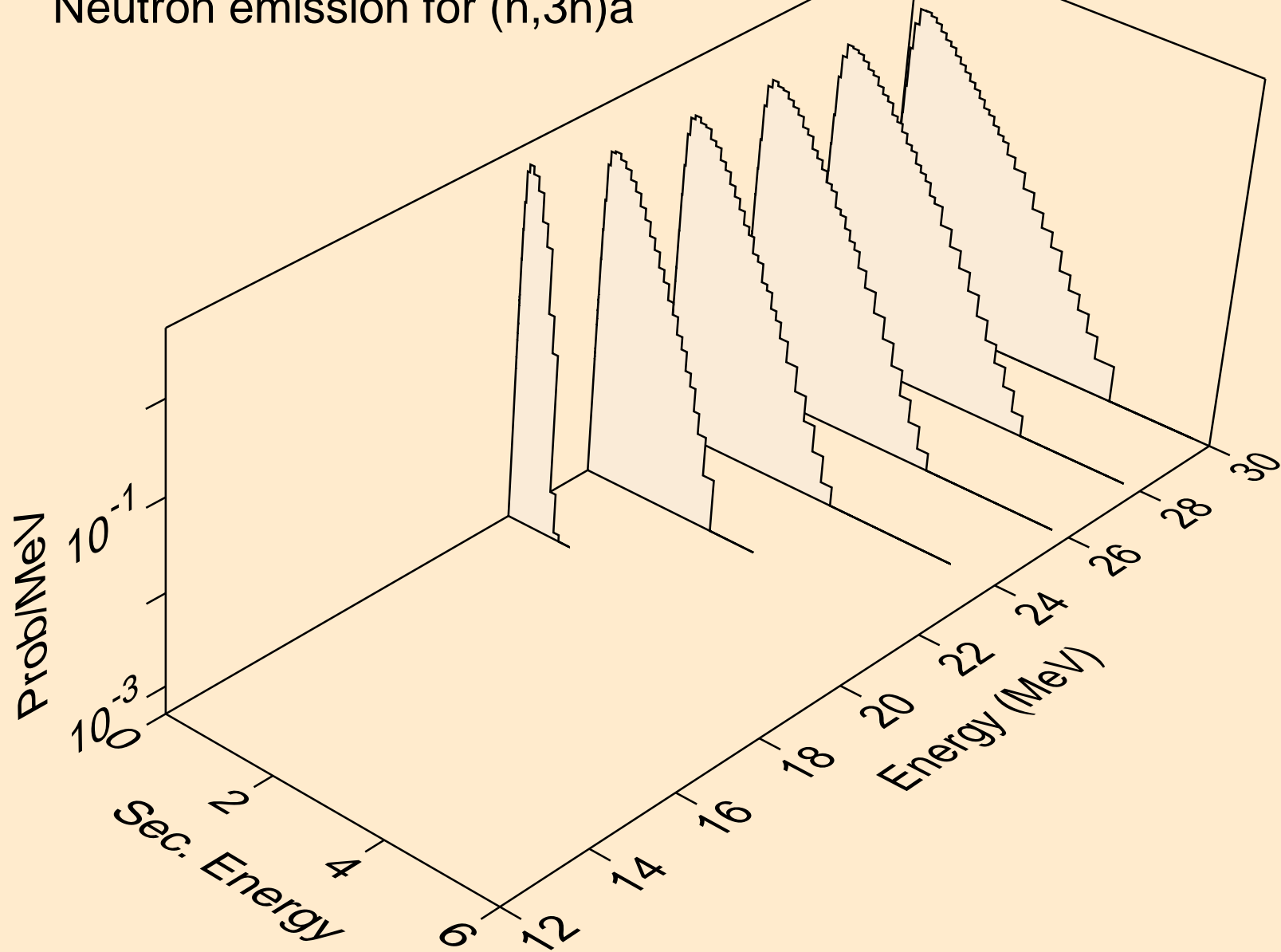
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



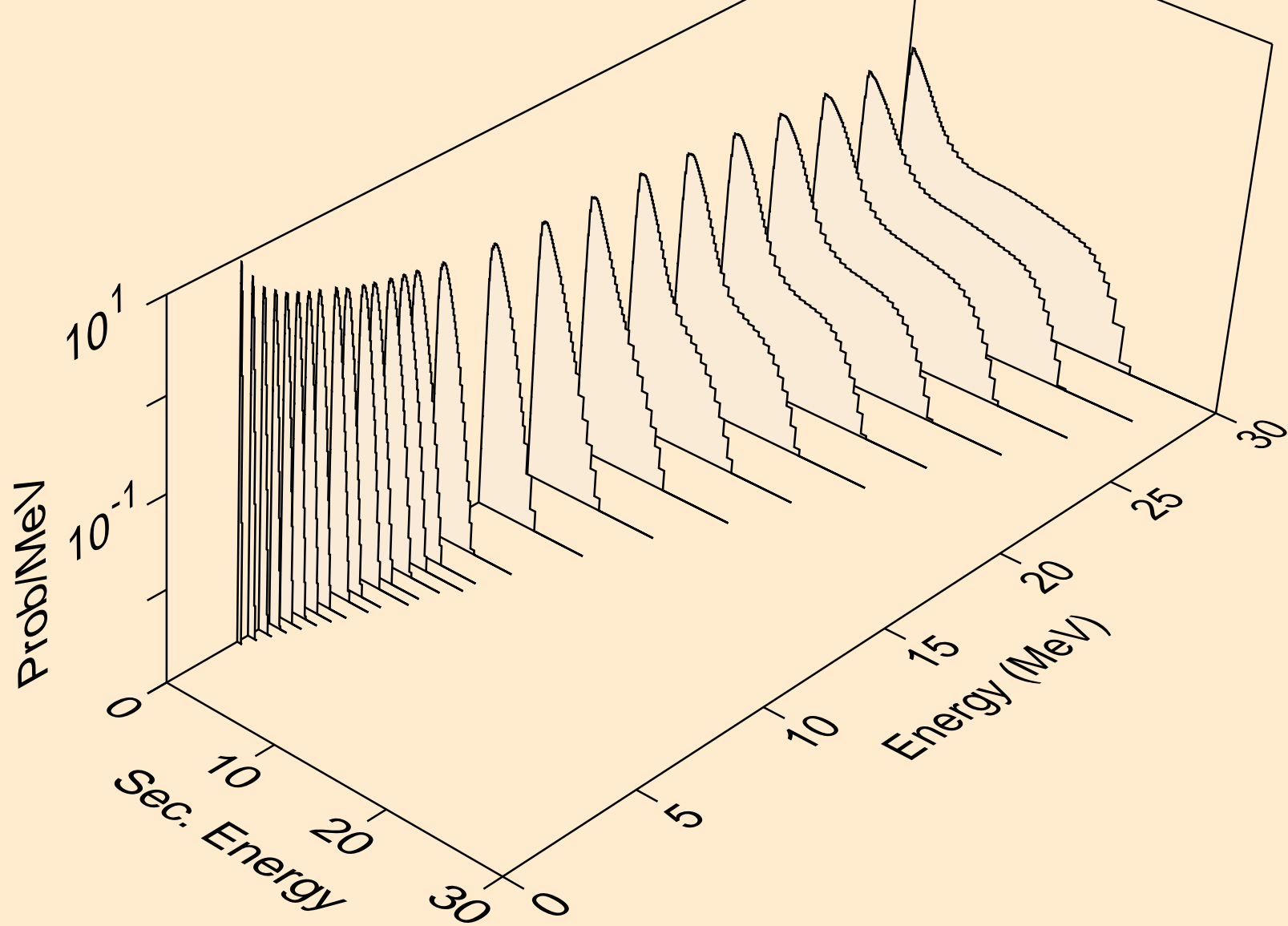
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Neutron emission for (n,2n)a



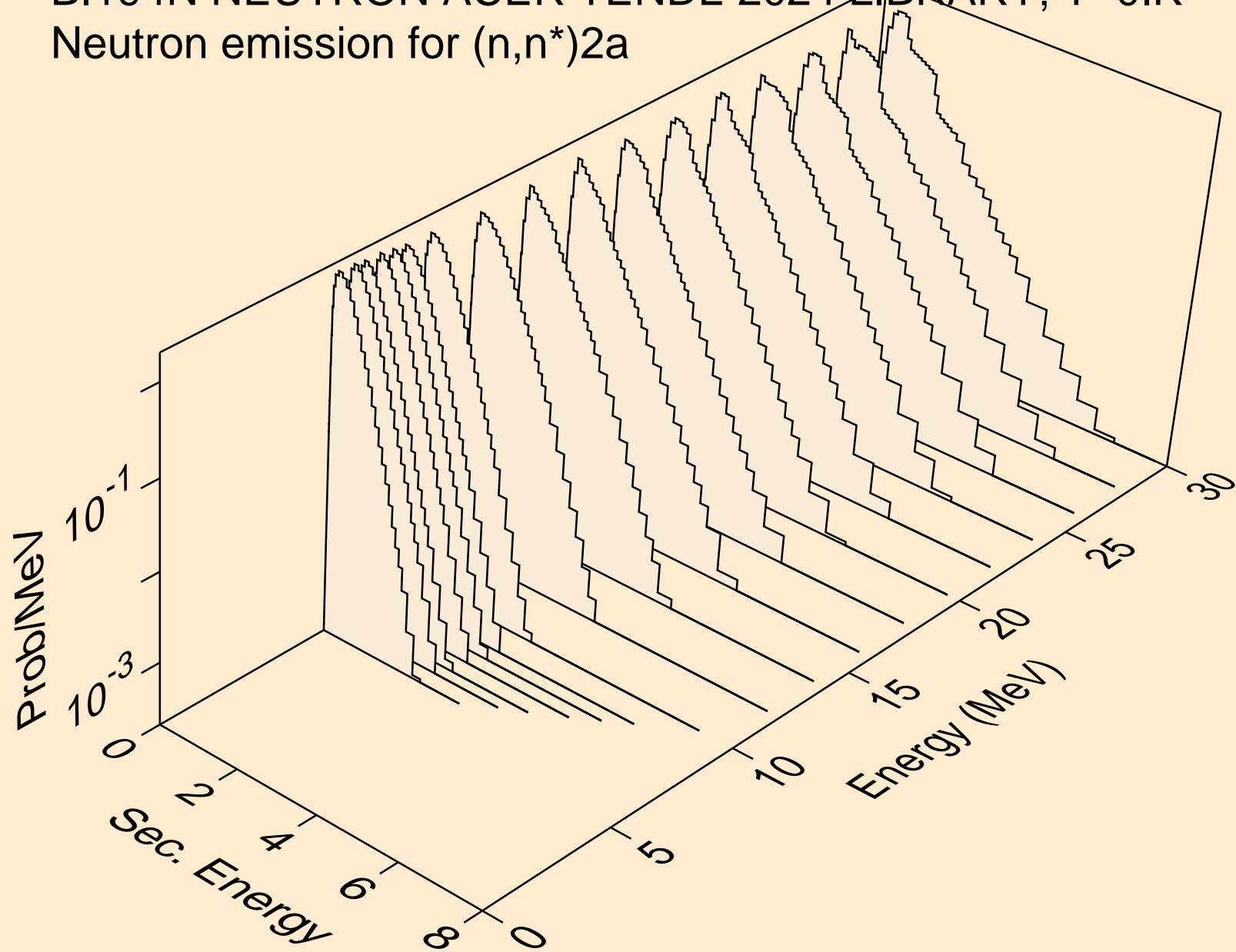
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

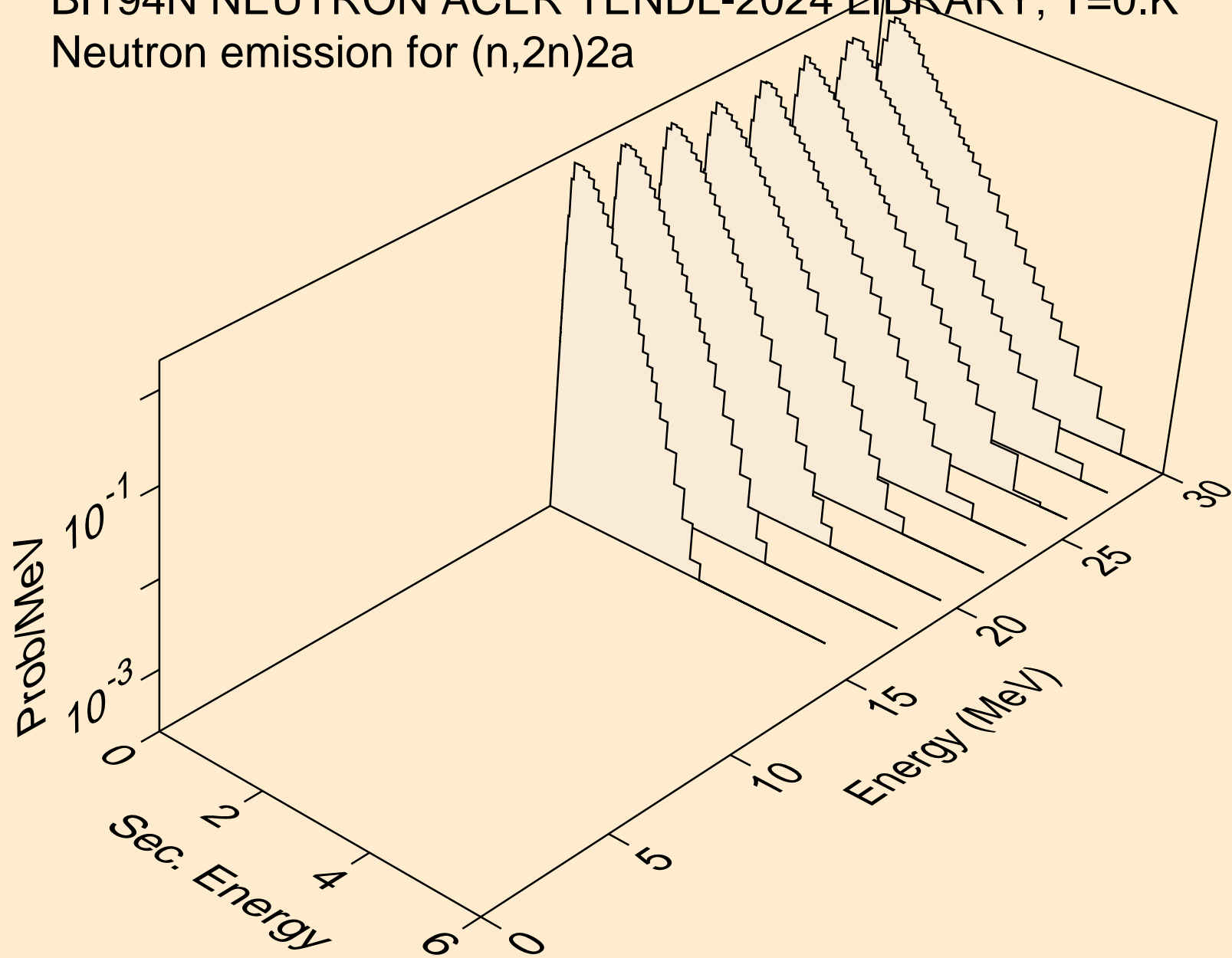


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

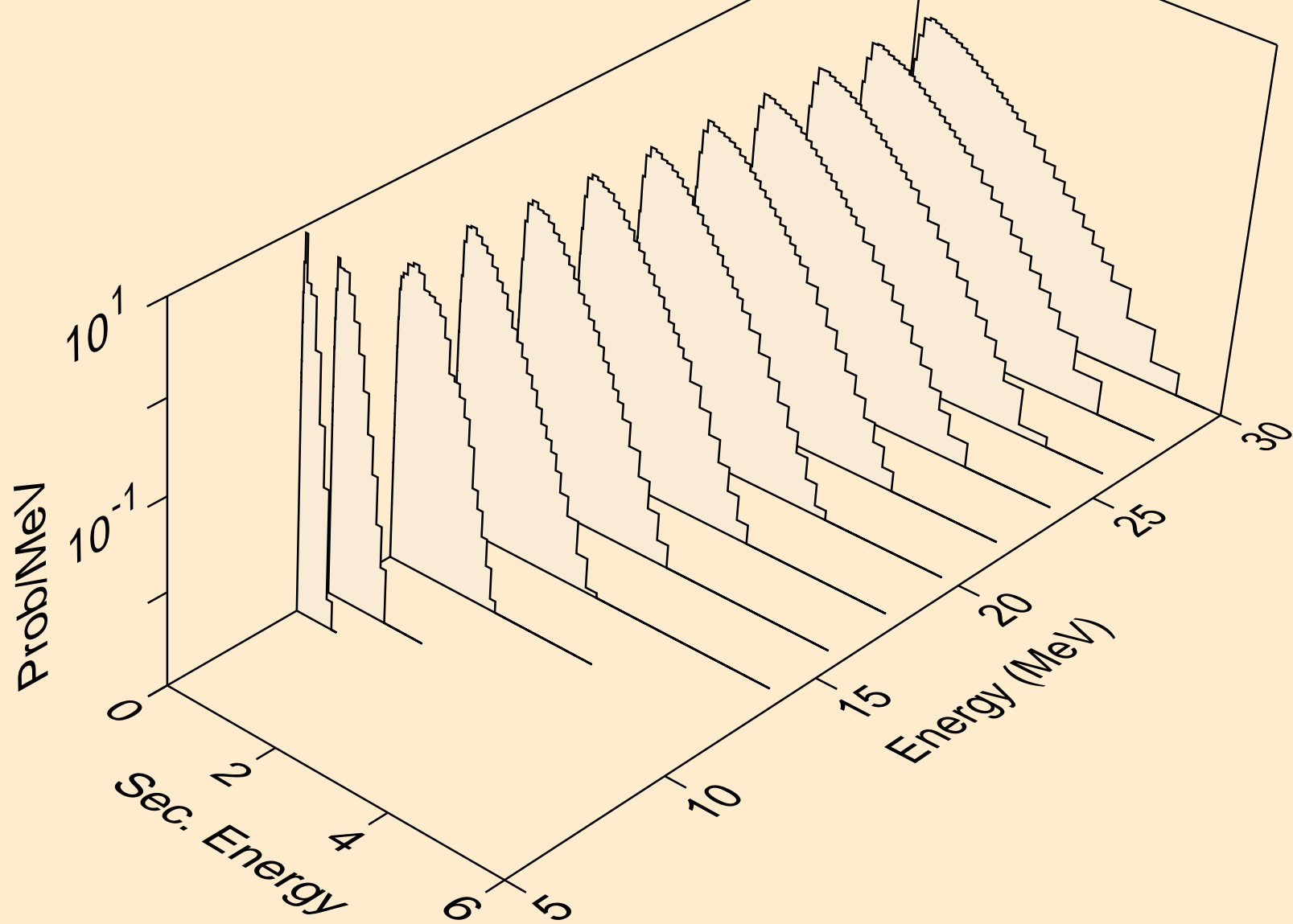




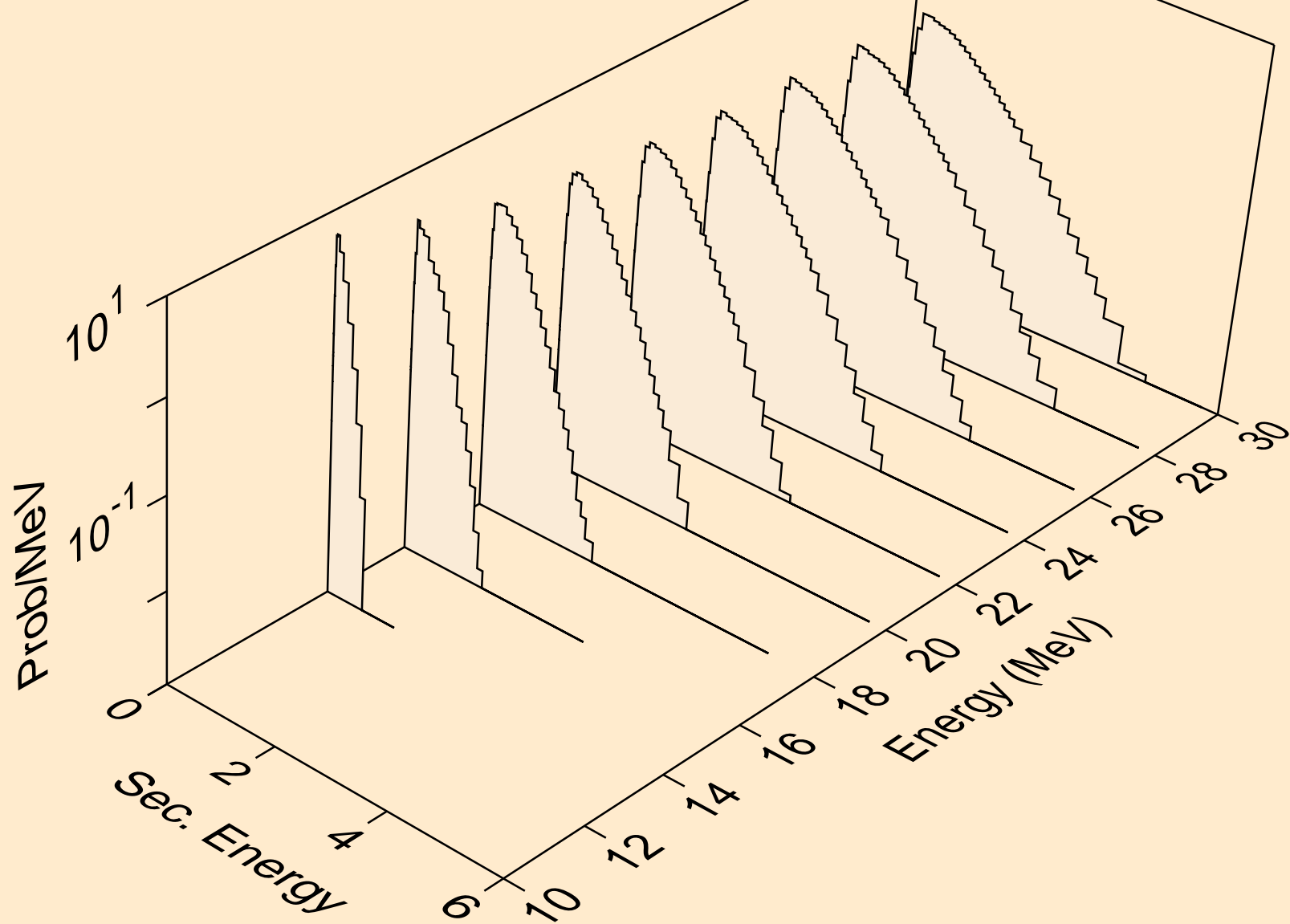
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Neutron emission for (n,2n)2a



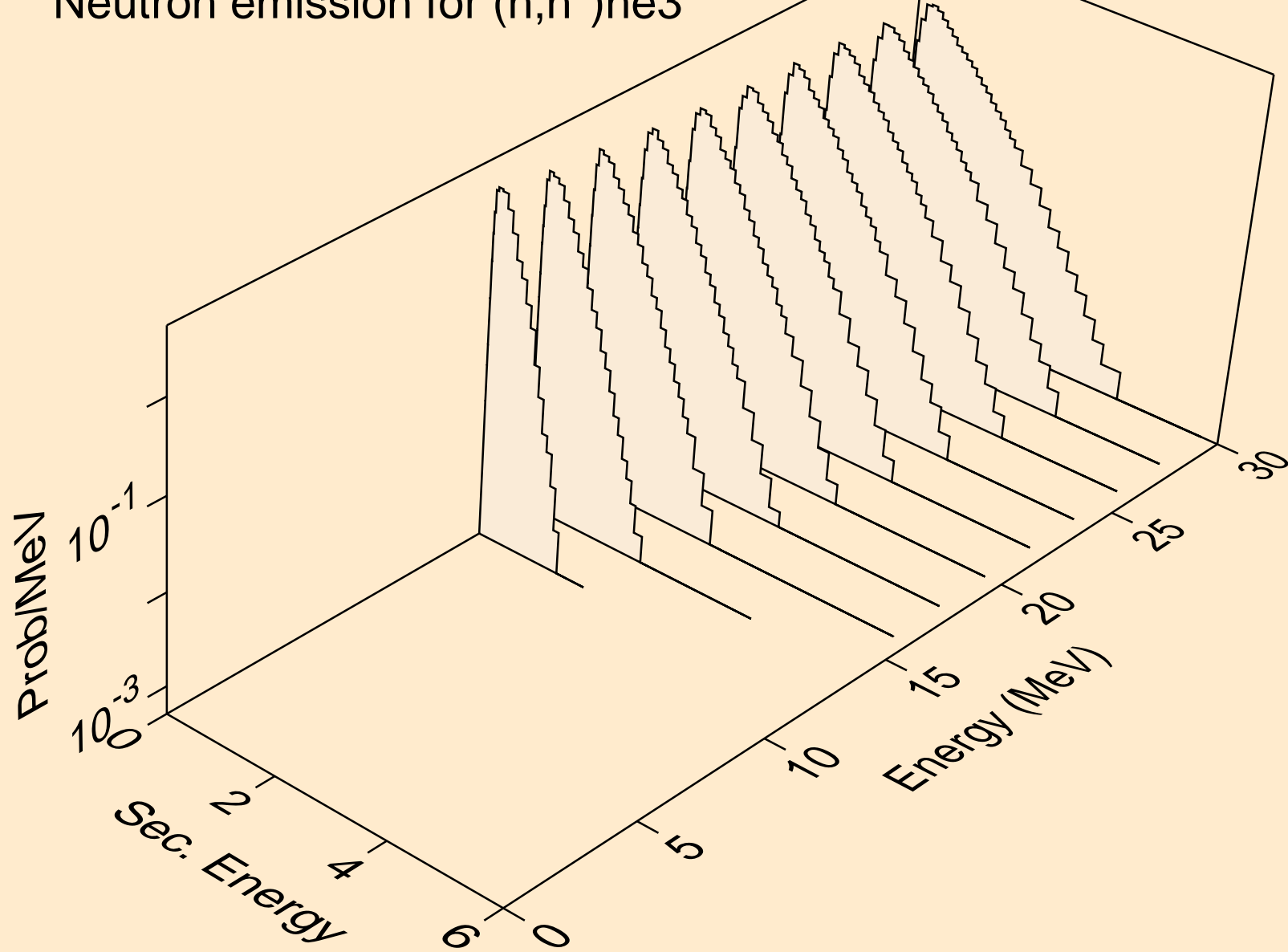
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



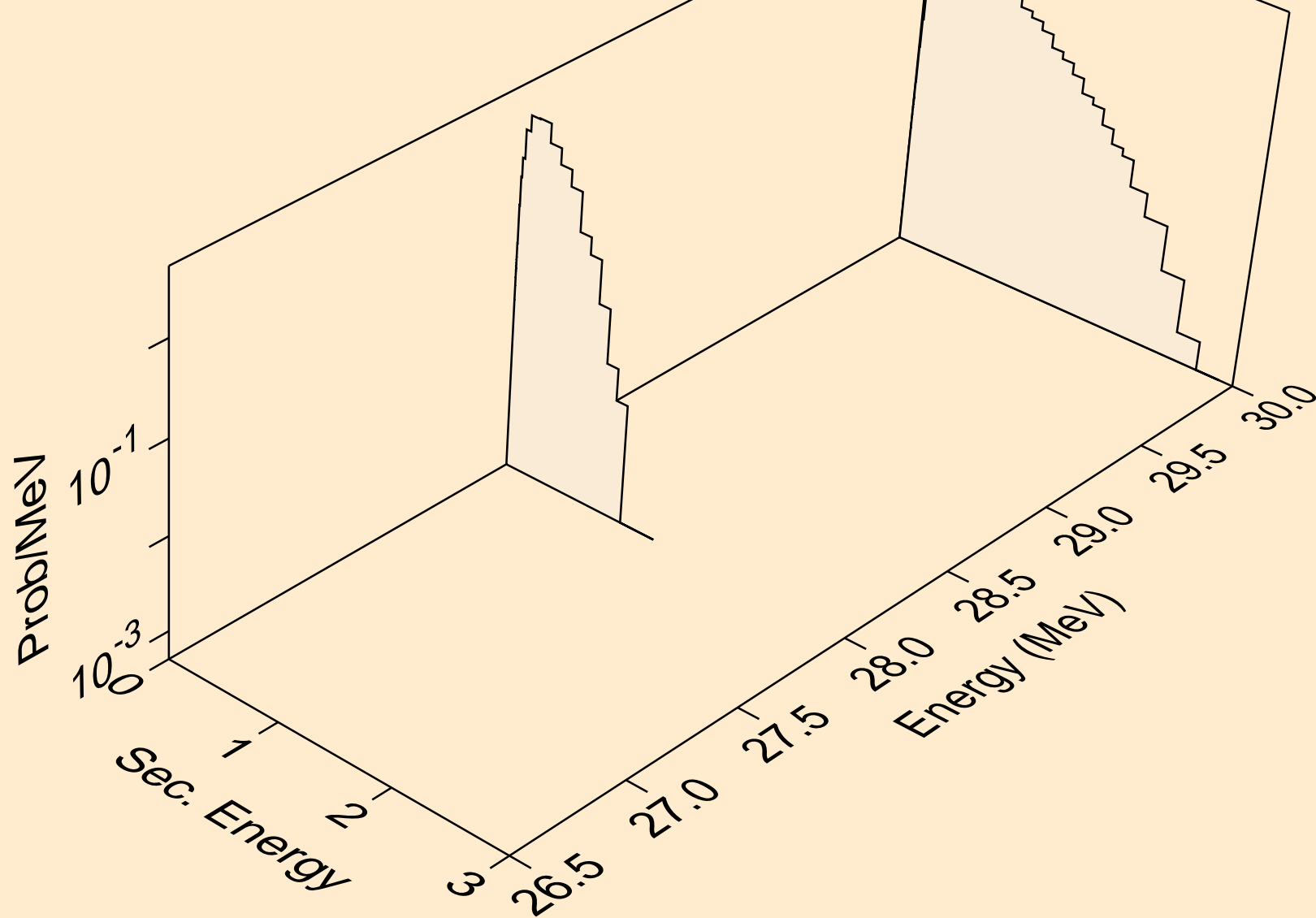
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



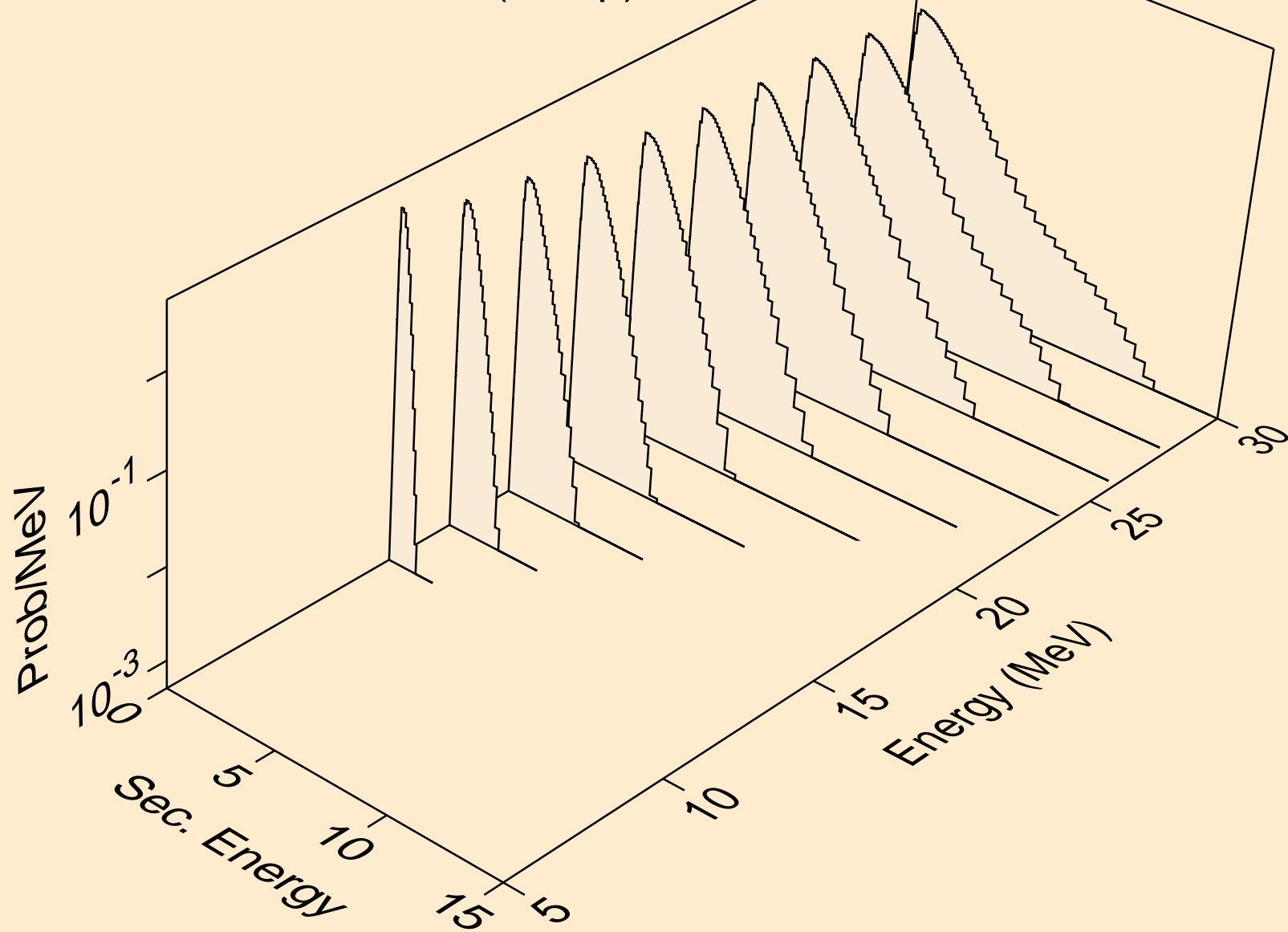
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



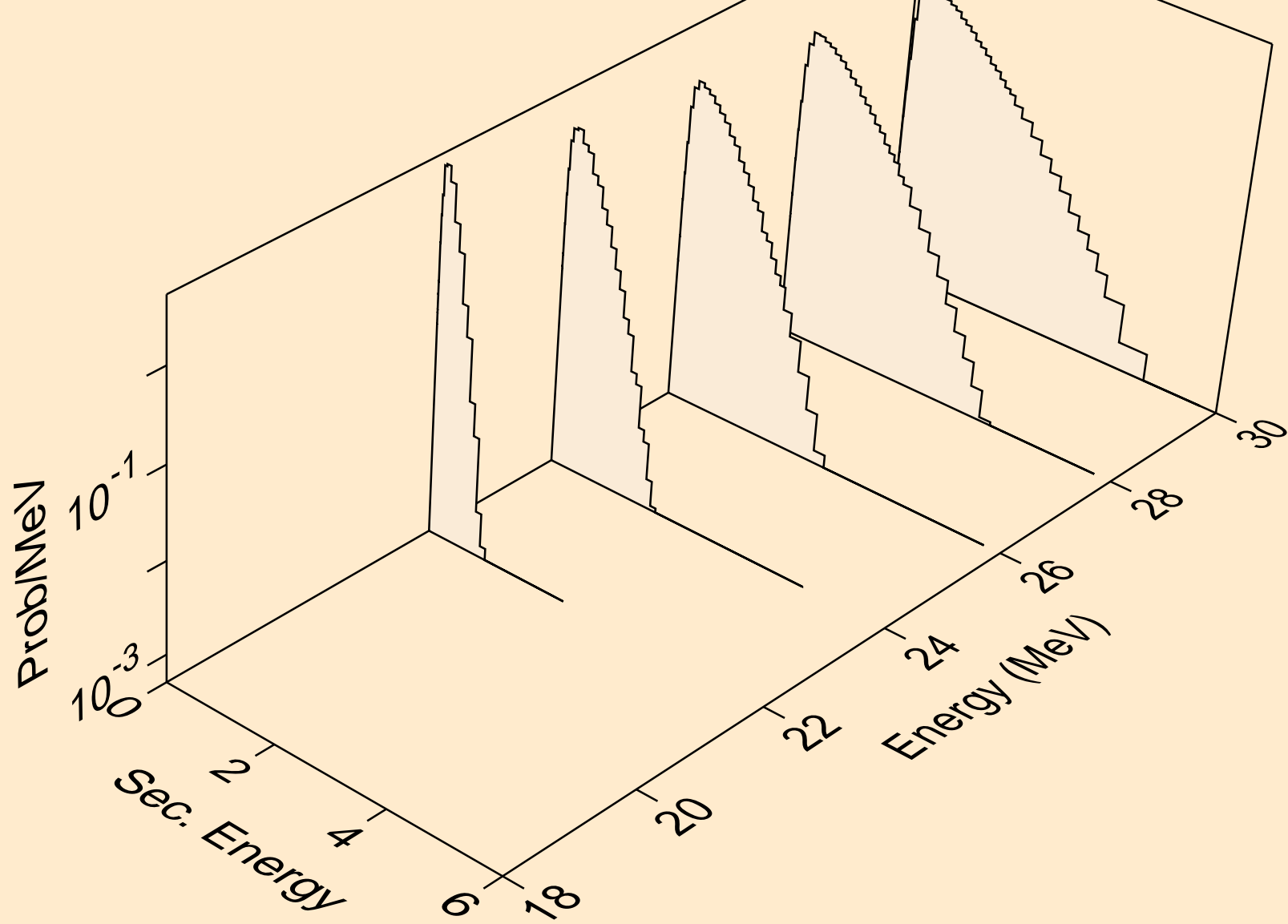
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Neutron emission for (n,4n)



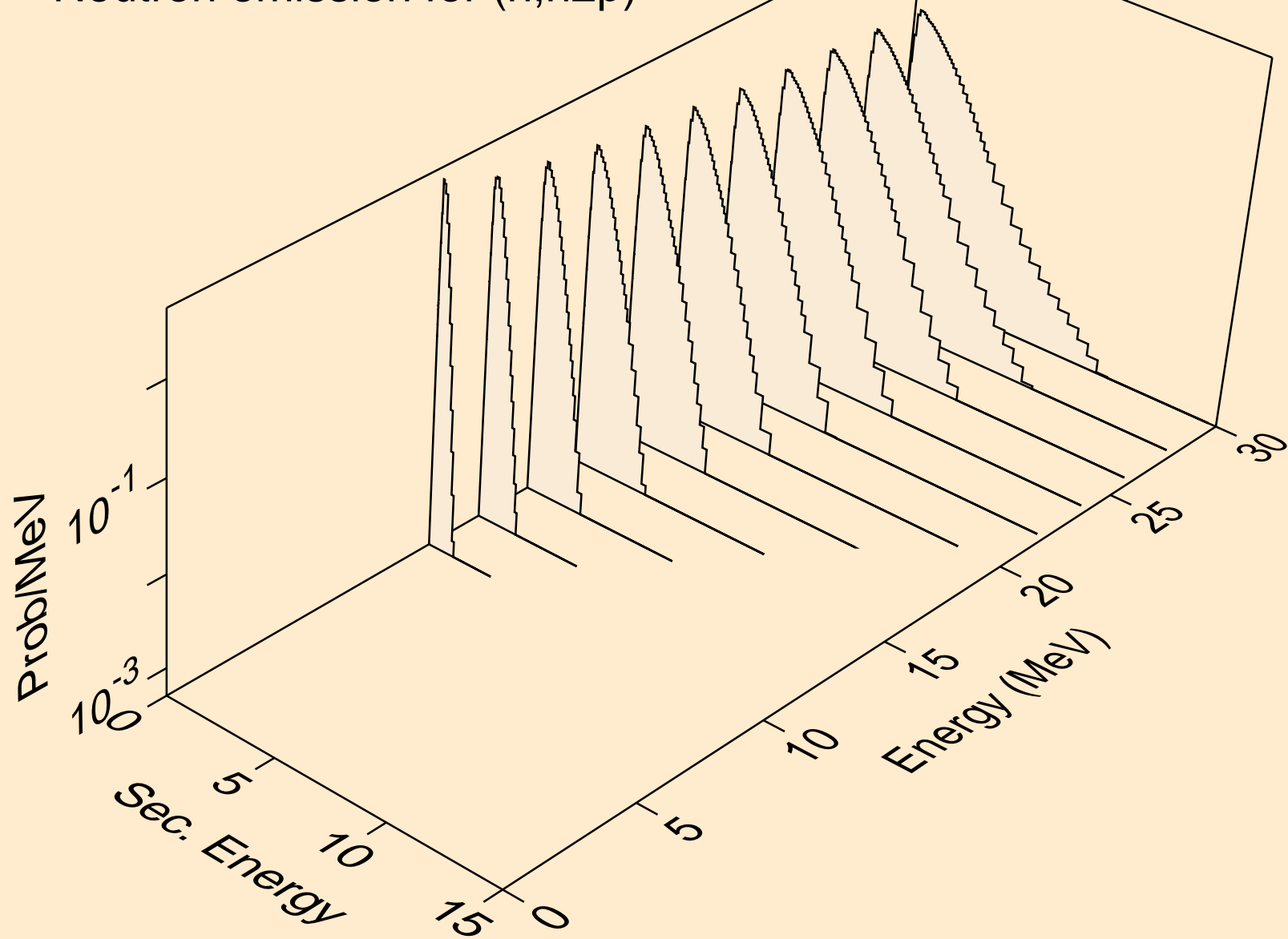
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

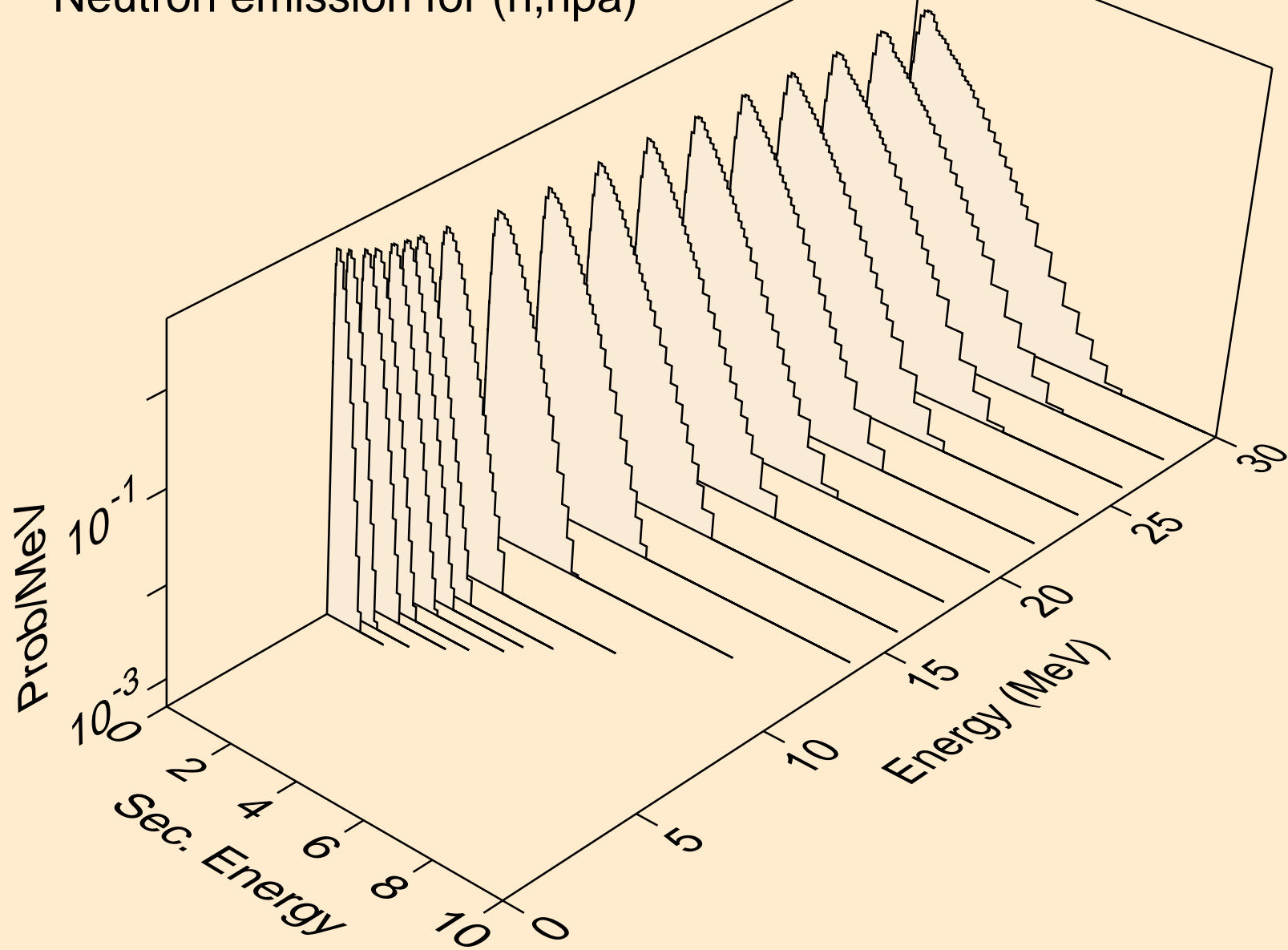


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Neutron emission for (n,n2p)

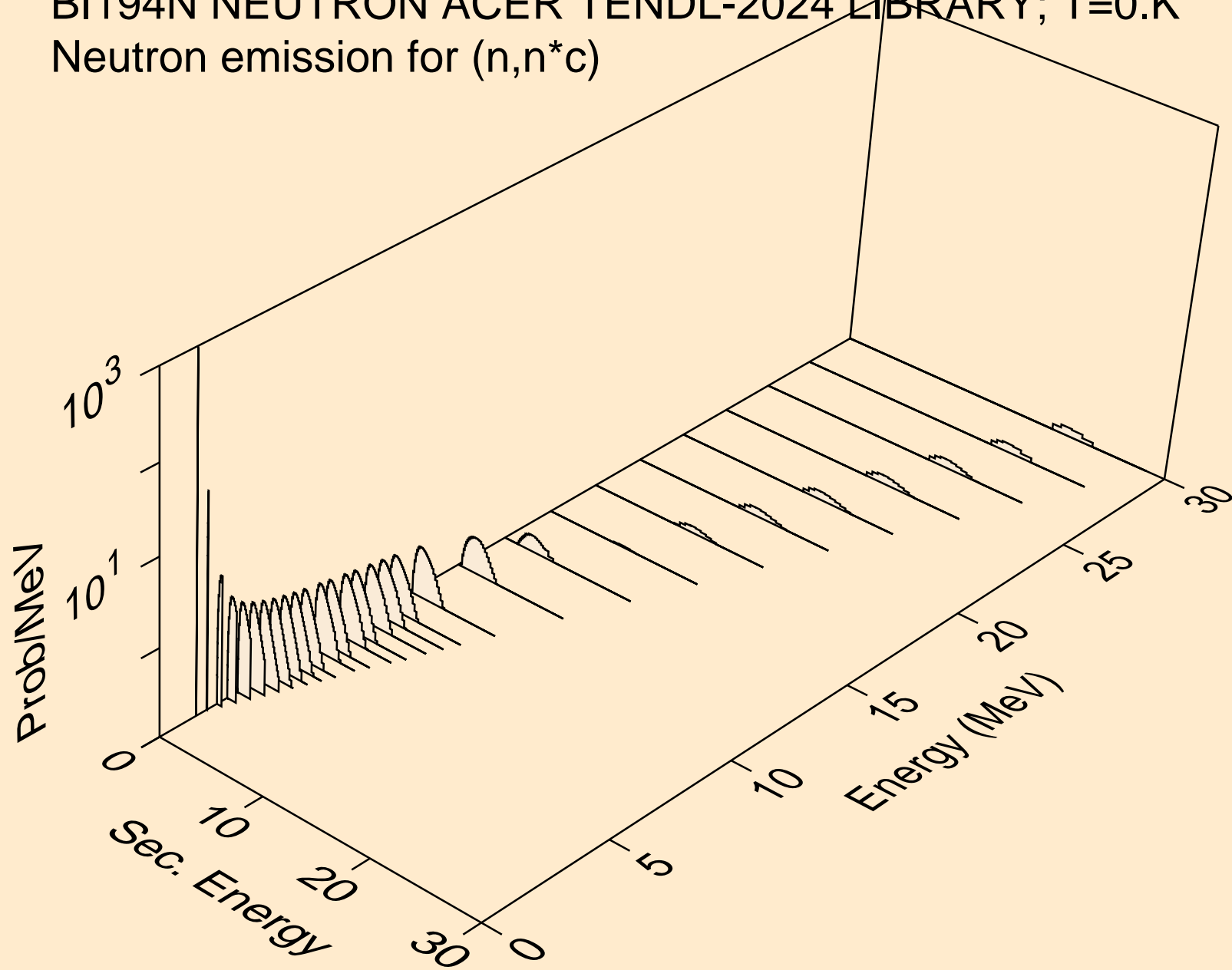




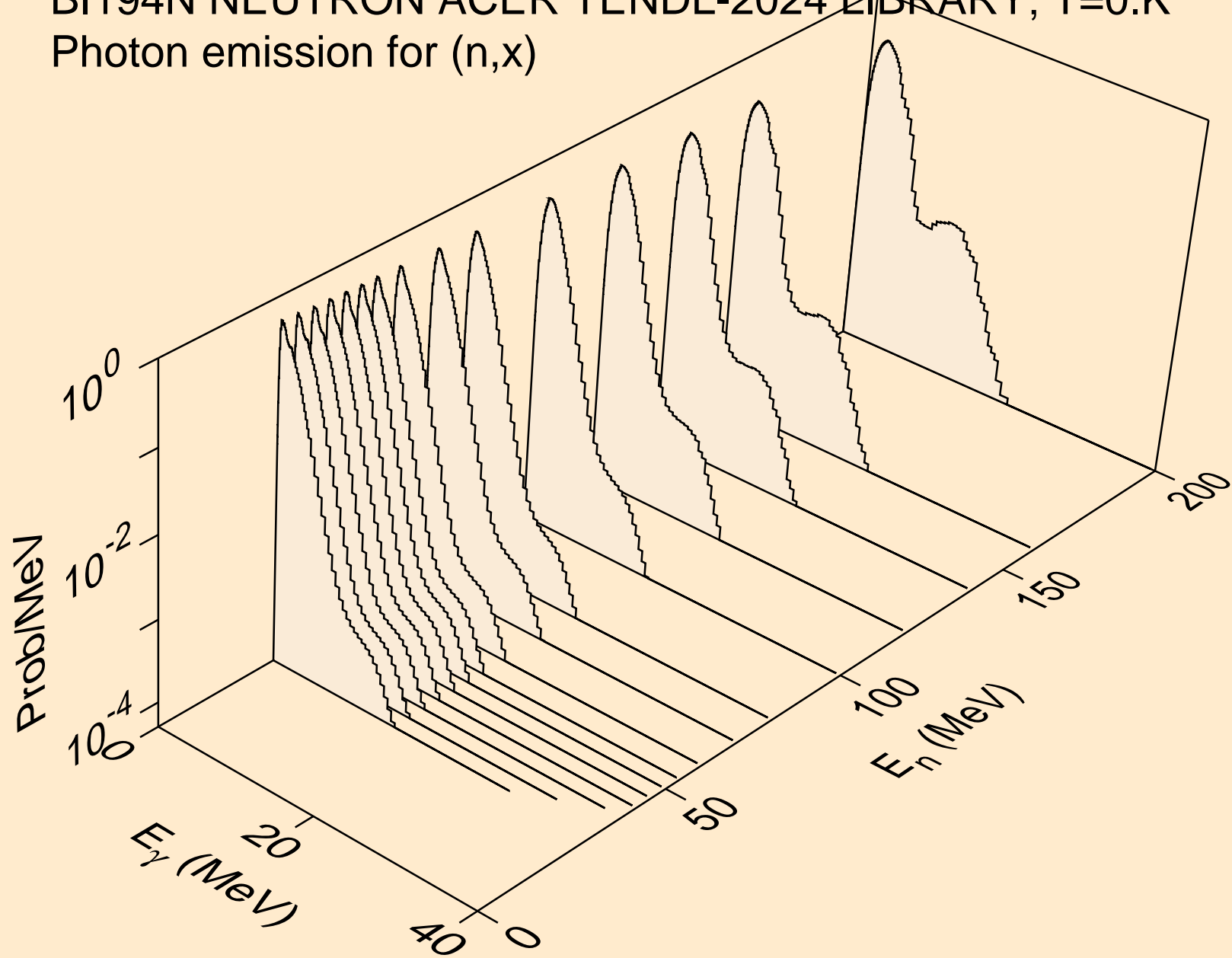
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



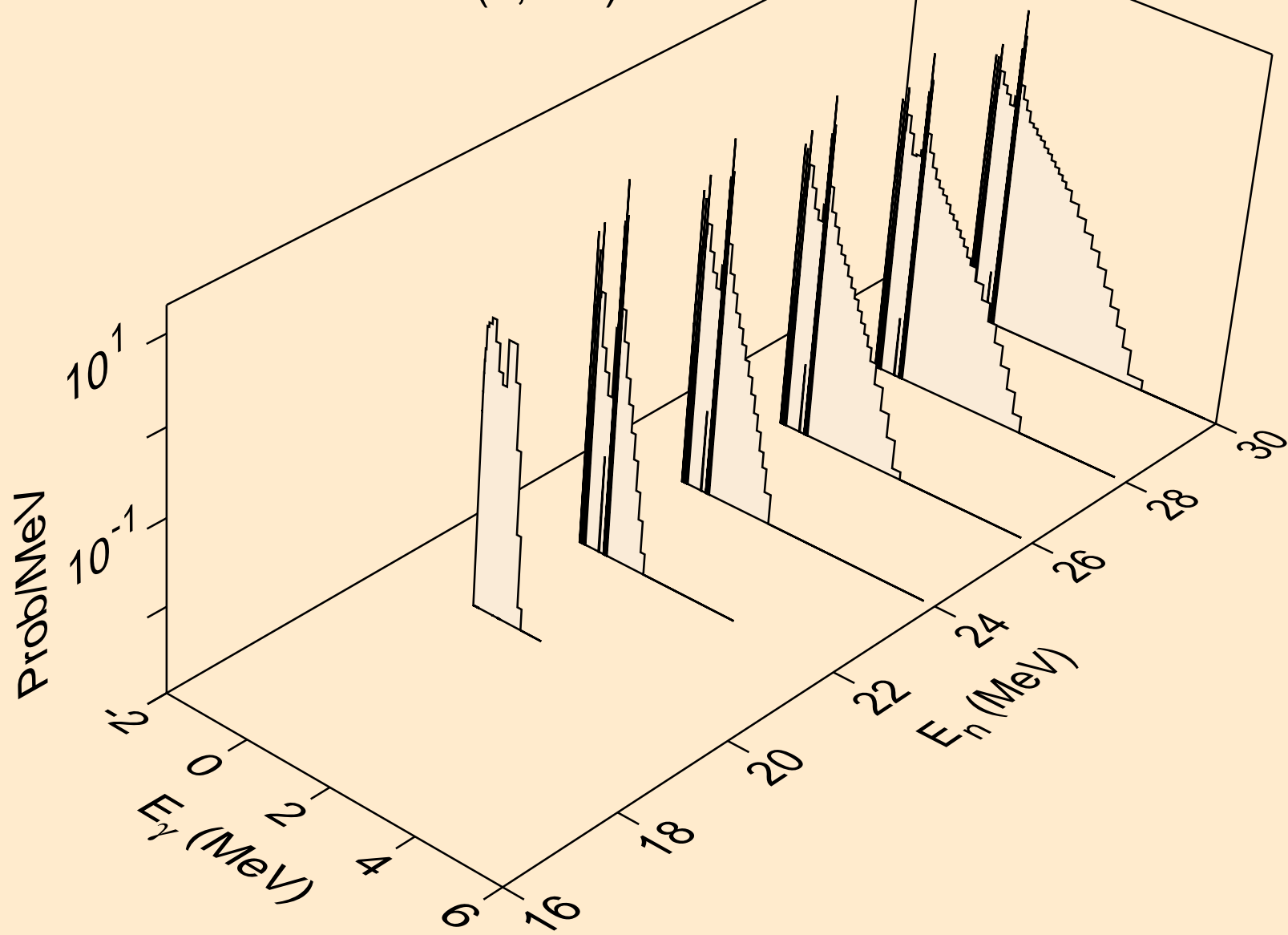
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Neutron emission for (n,n\*c)



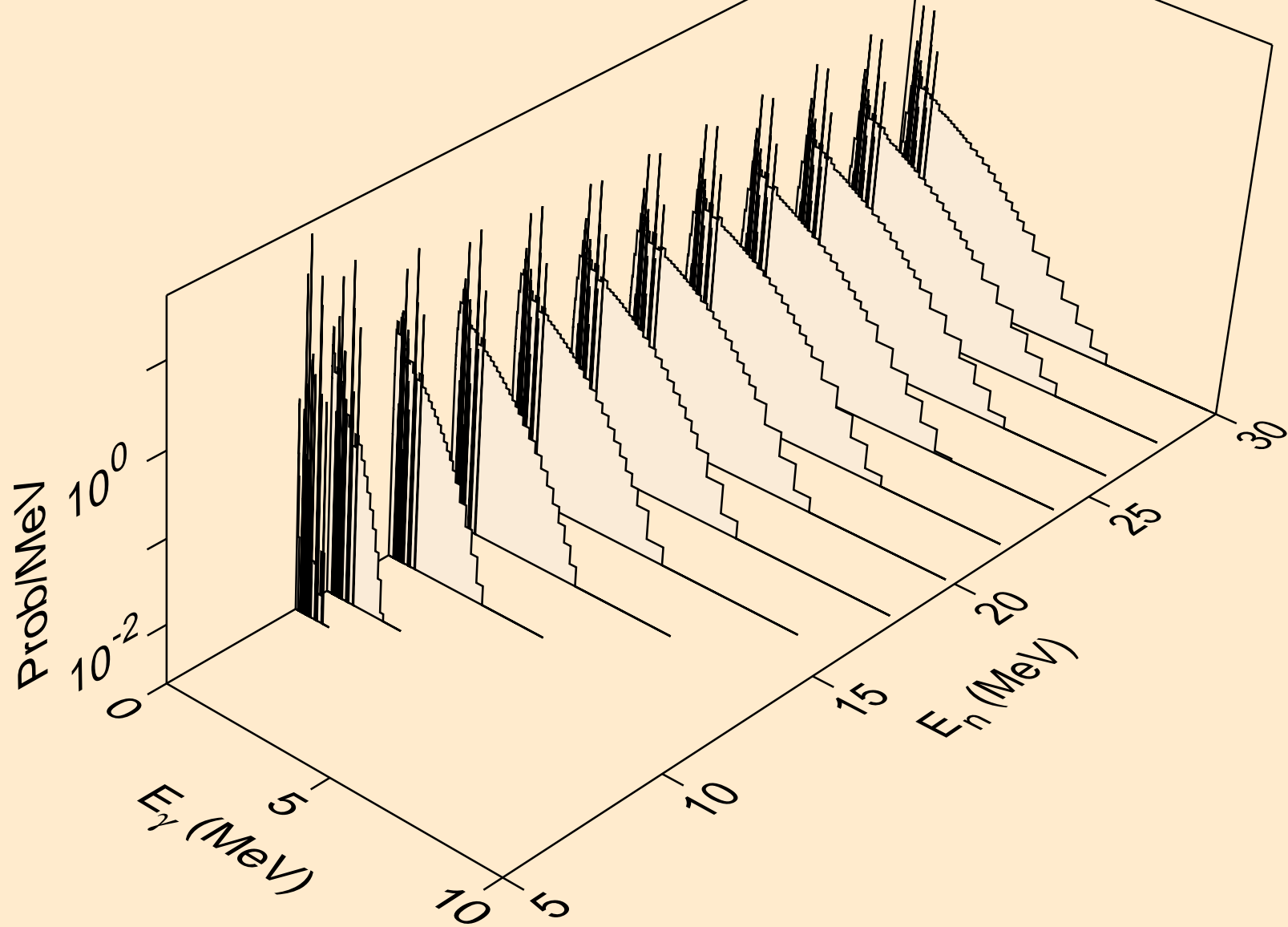
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Photon emission for (n,x)



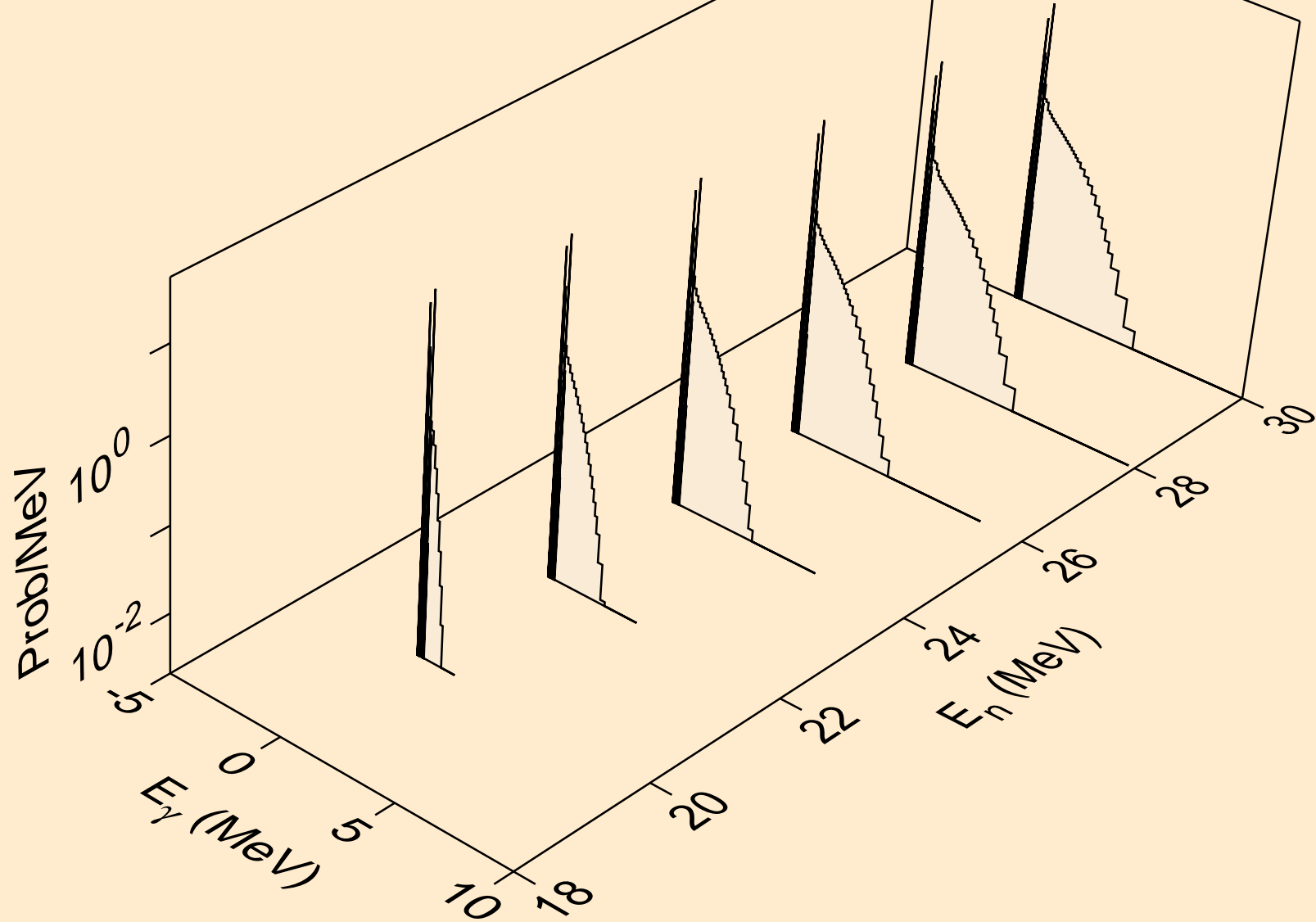
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Photon emission for (n,2nd)



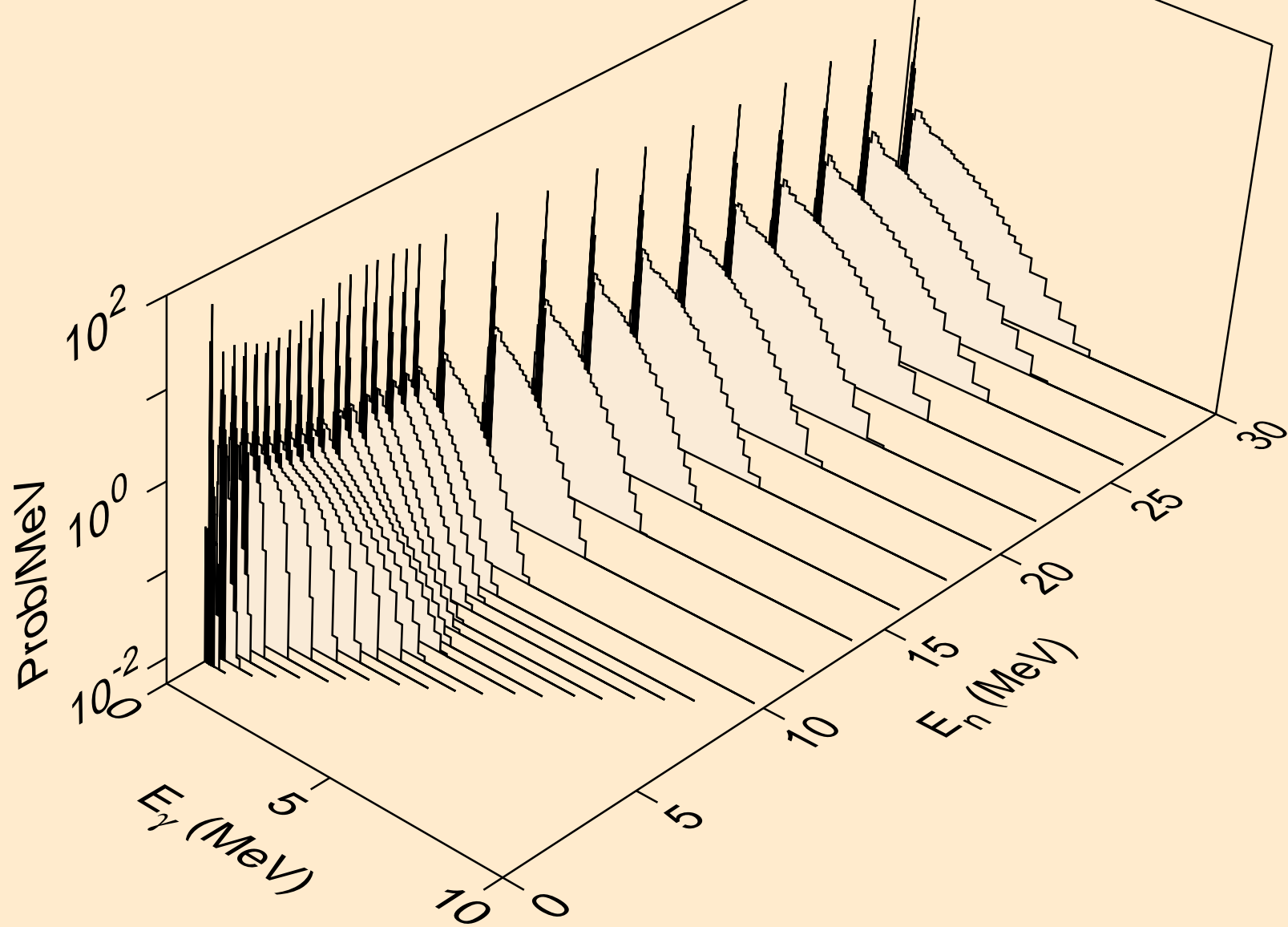
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Photon emission for (n,2n)



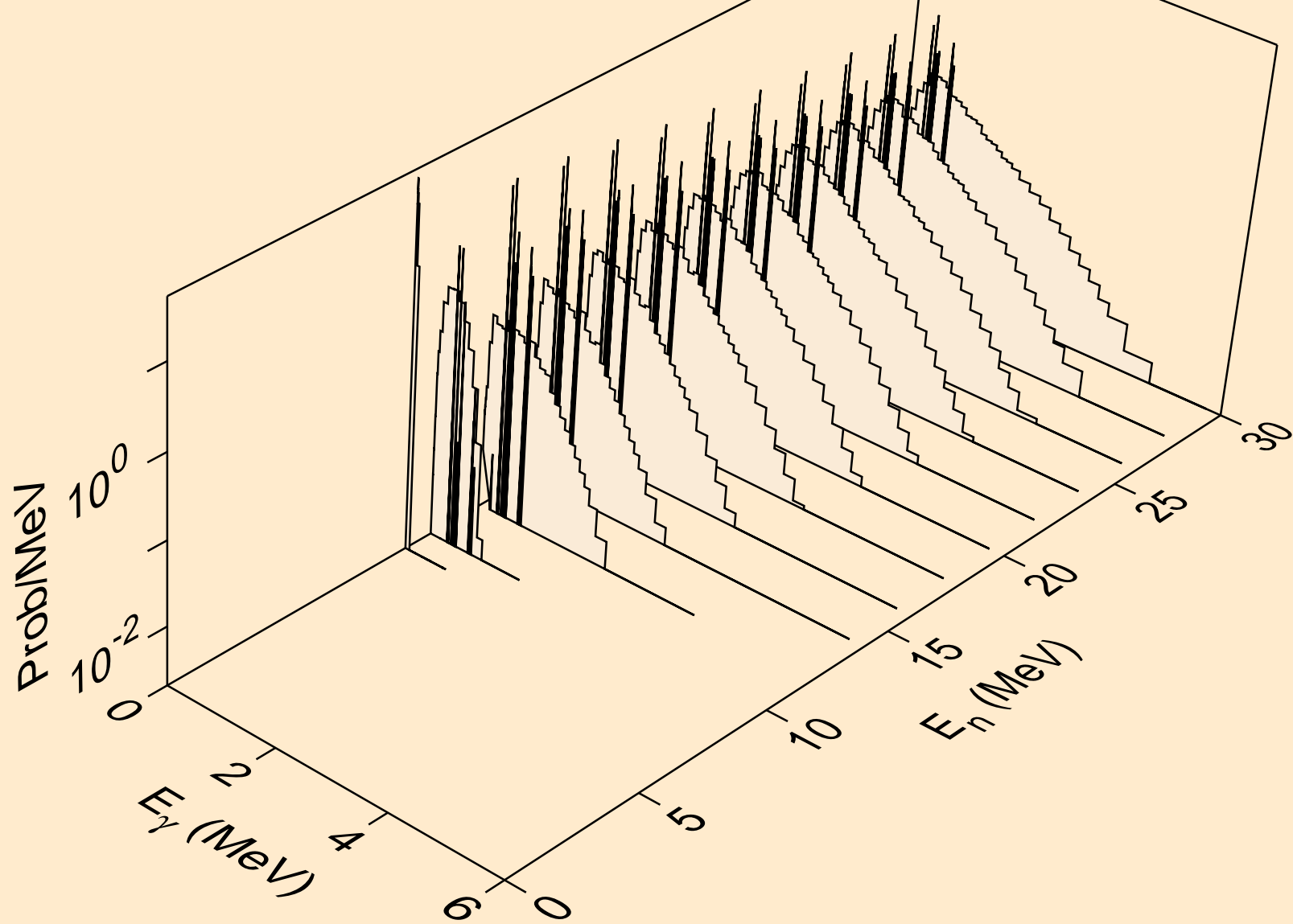
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

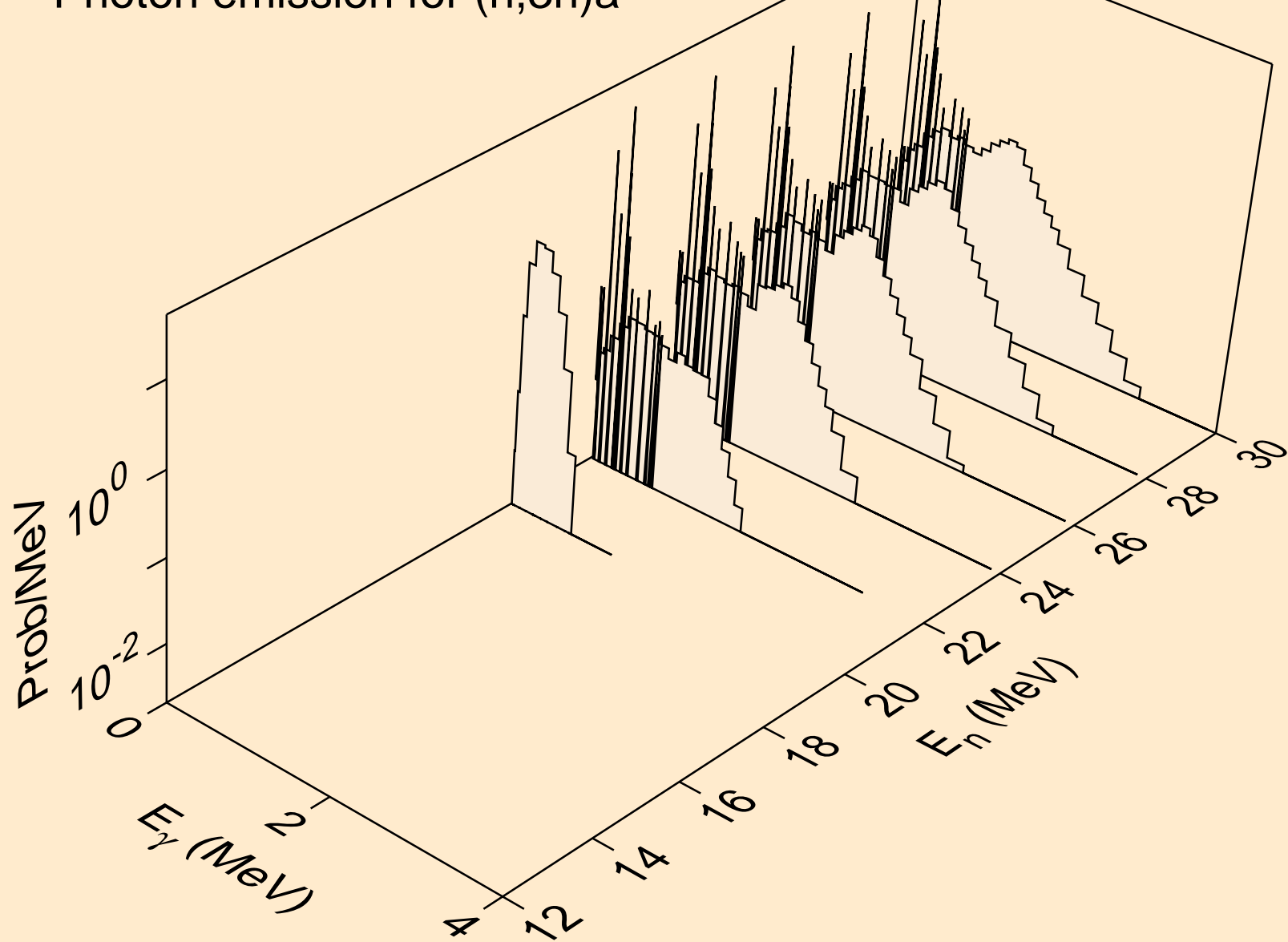


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

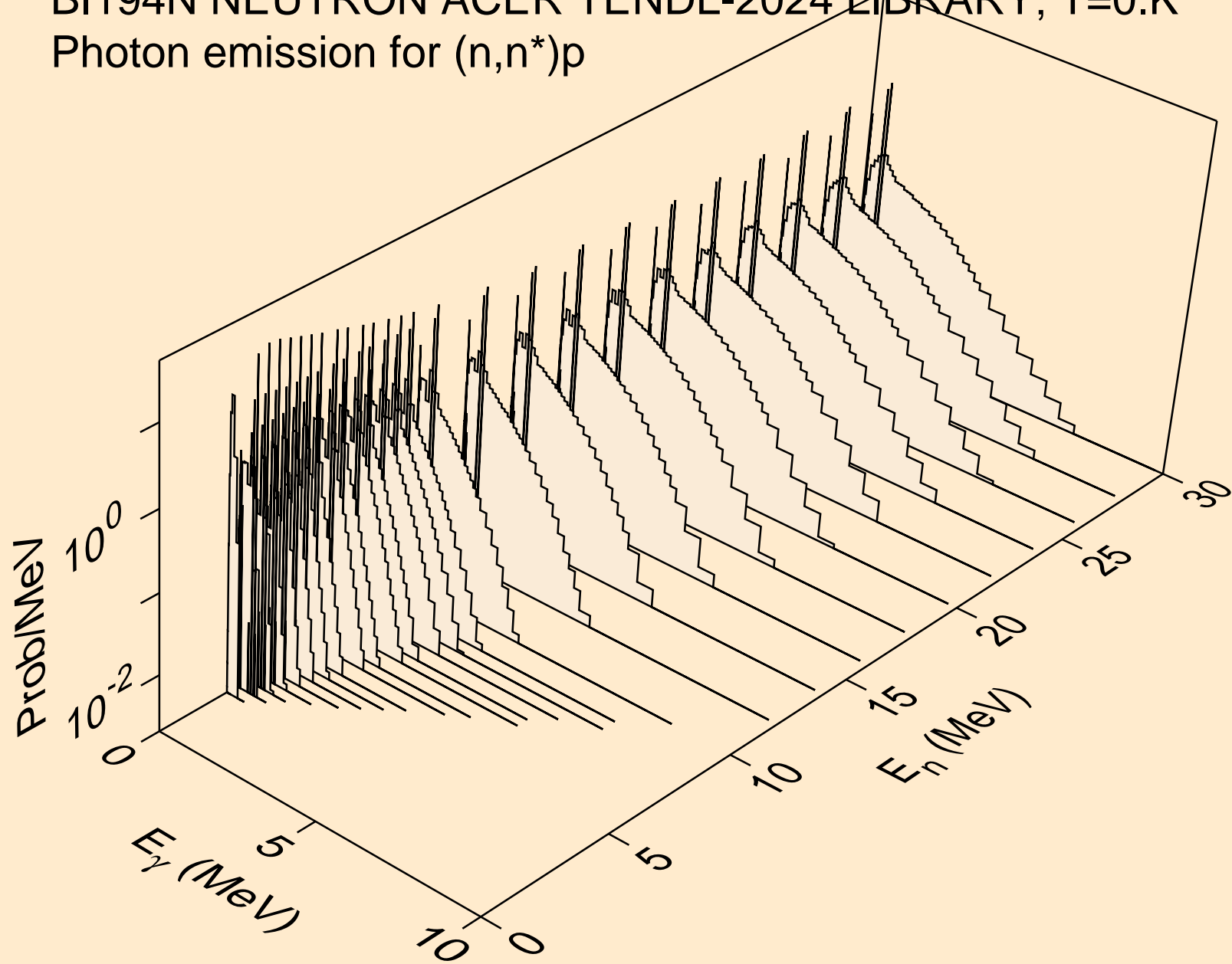




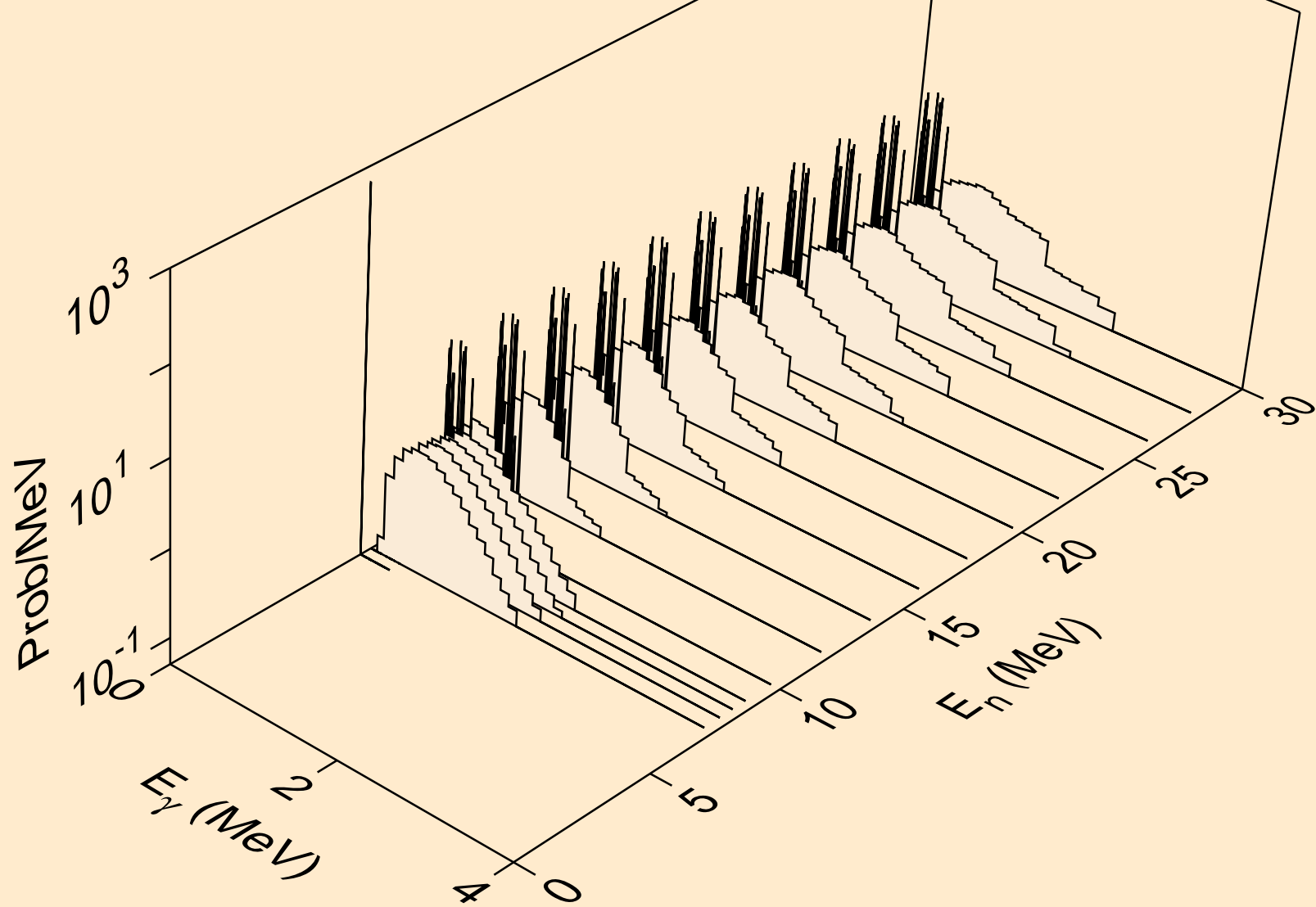
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Photon emission for (n,3n)a



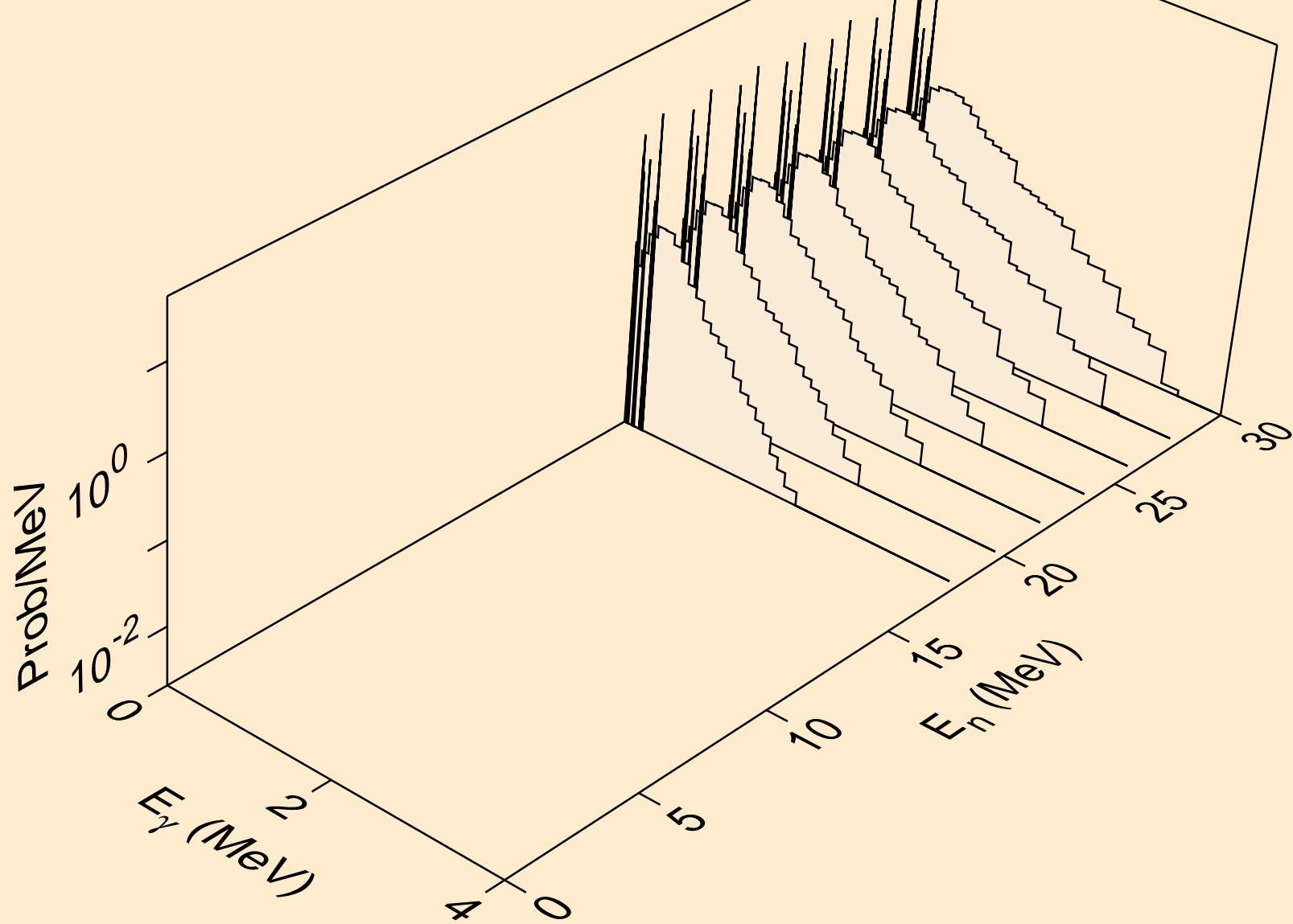
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Photon emission for (n,n\*)p



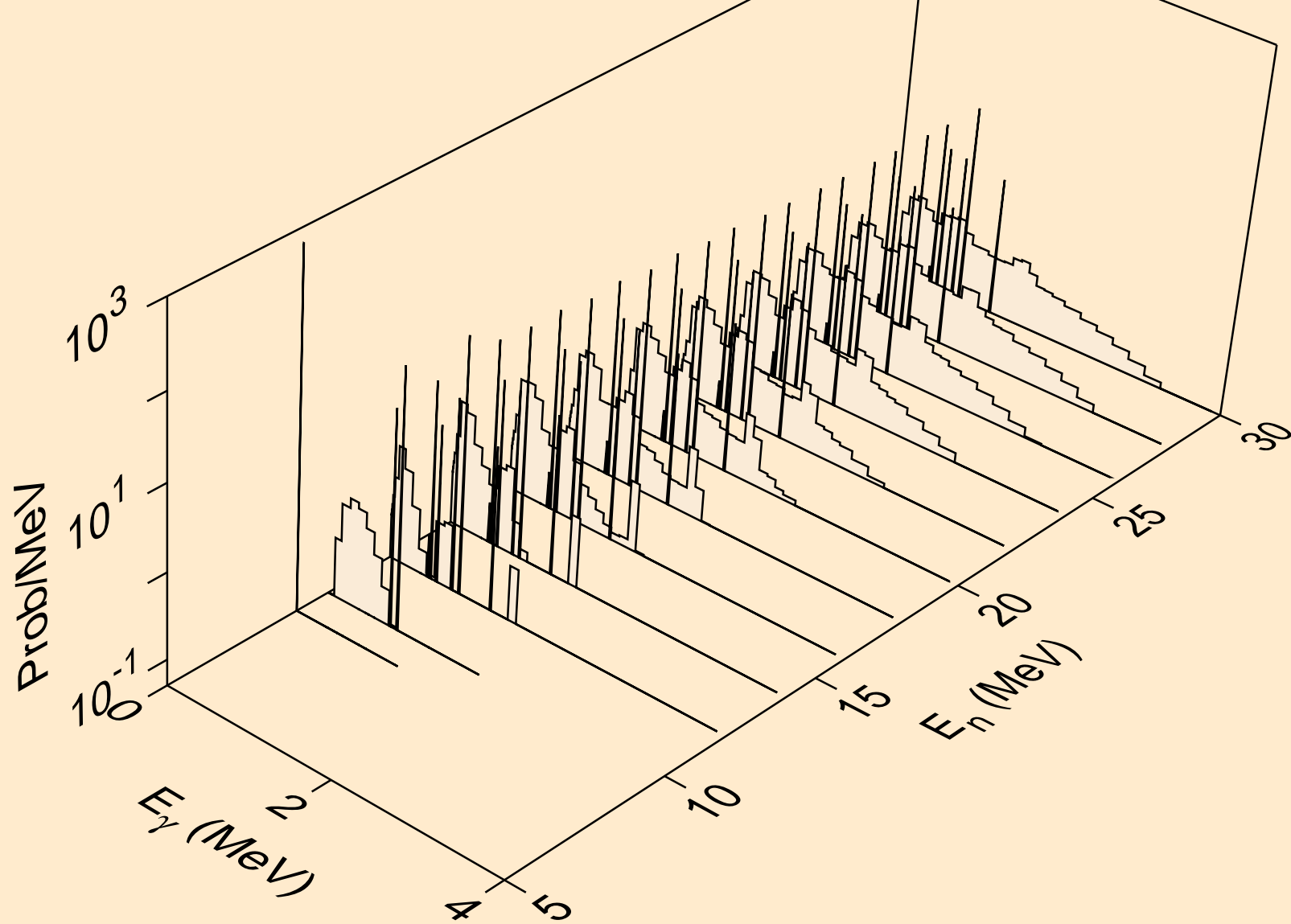
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Photon emission for (n,n\*)2a



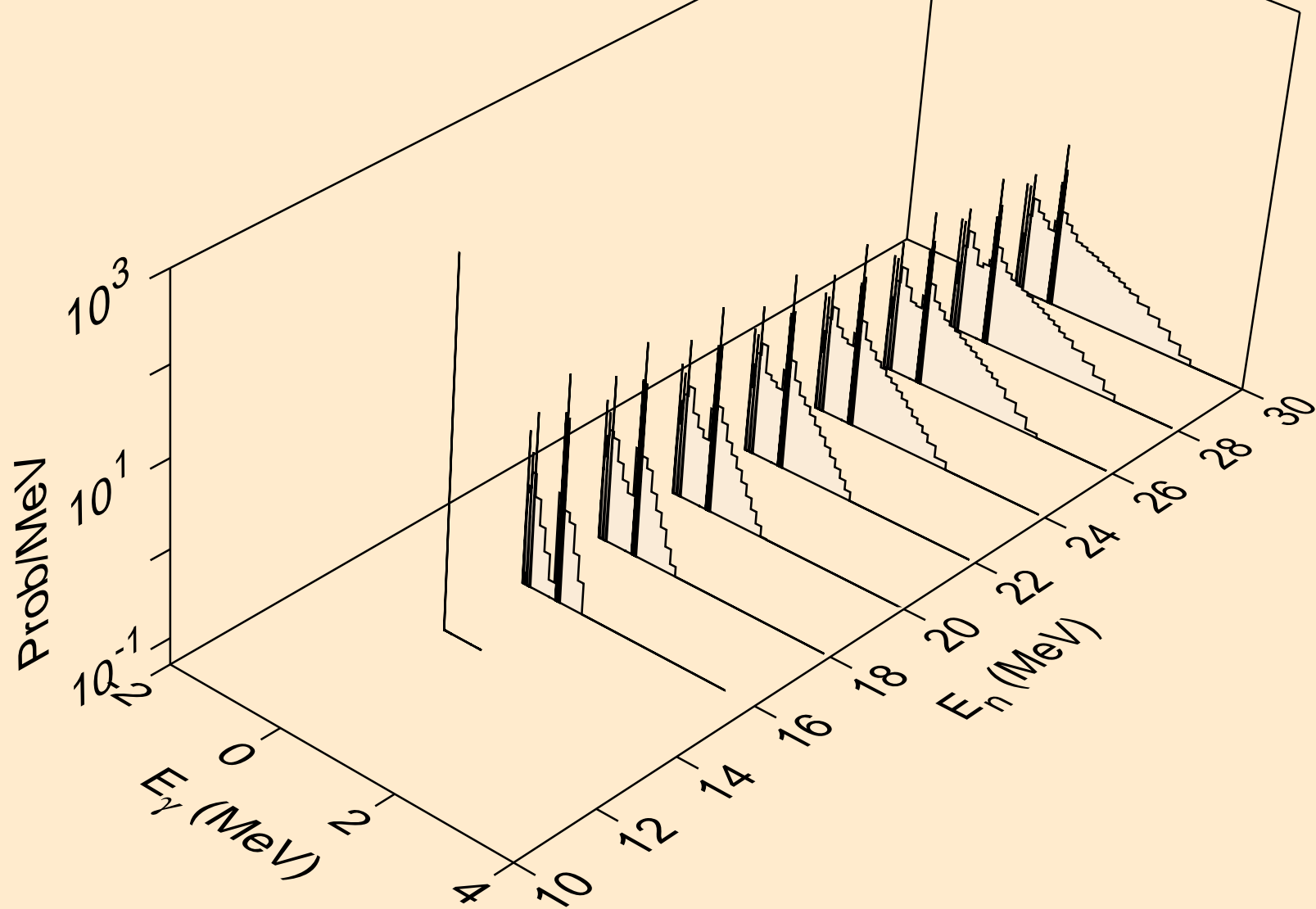
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Photon emission for (n,2n)2a



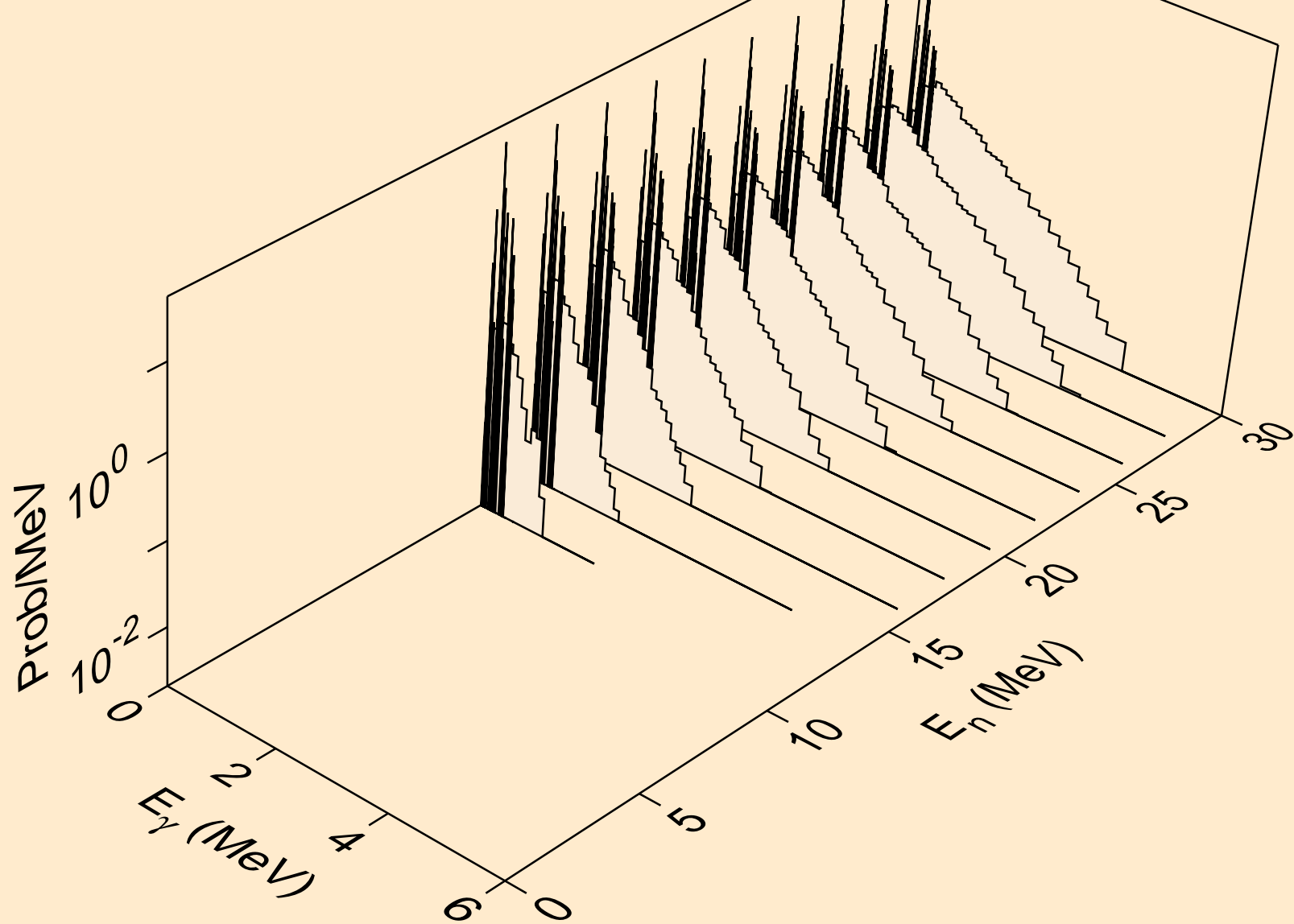
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Photon emission for (n,n\*)d



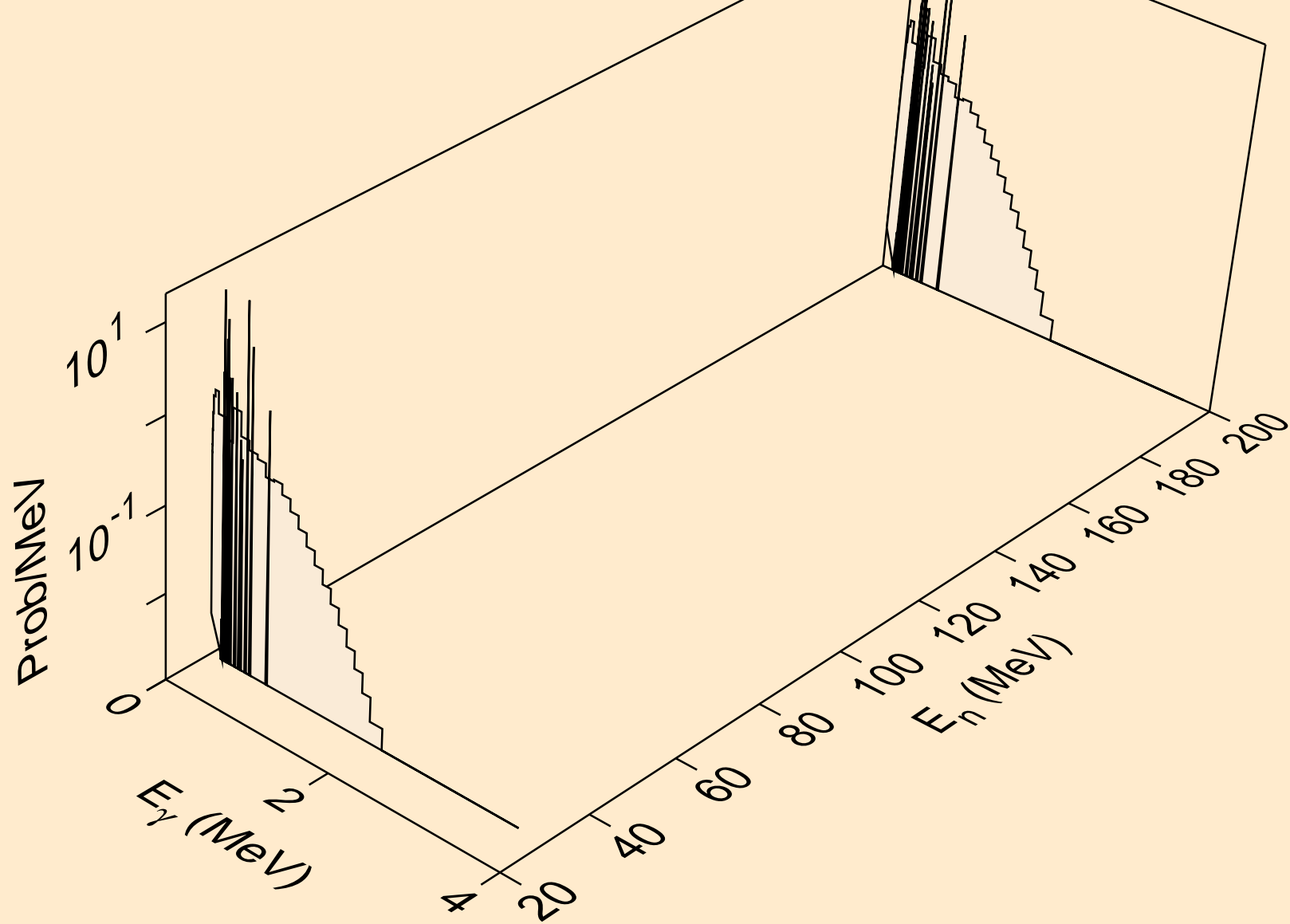
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

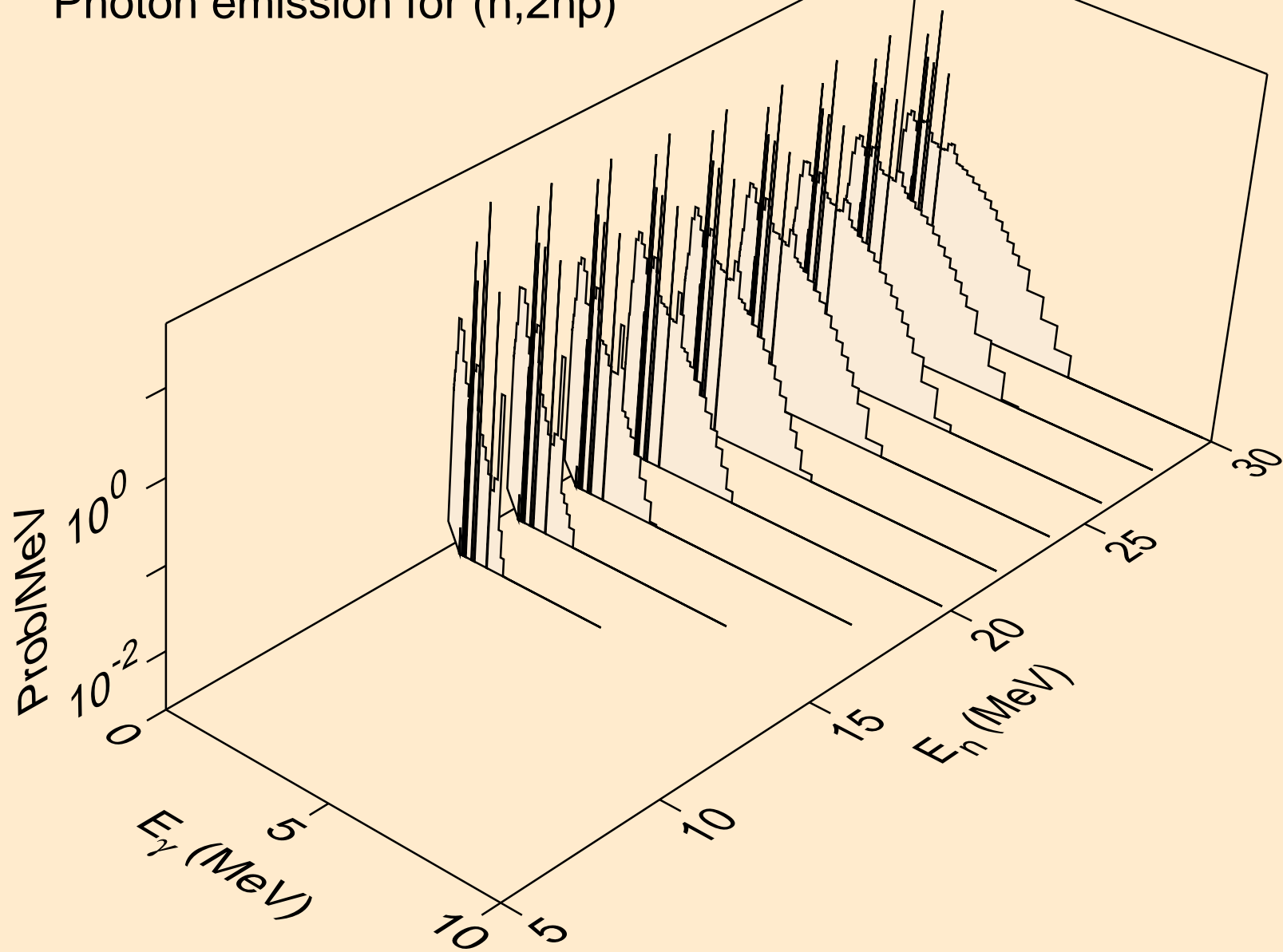


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

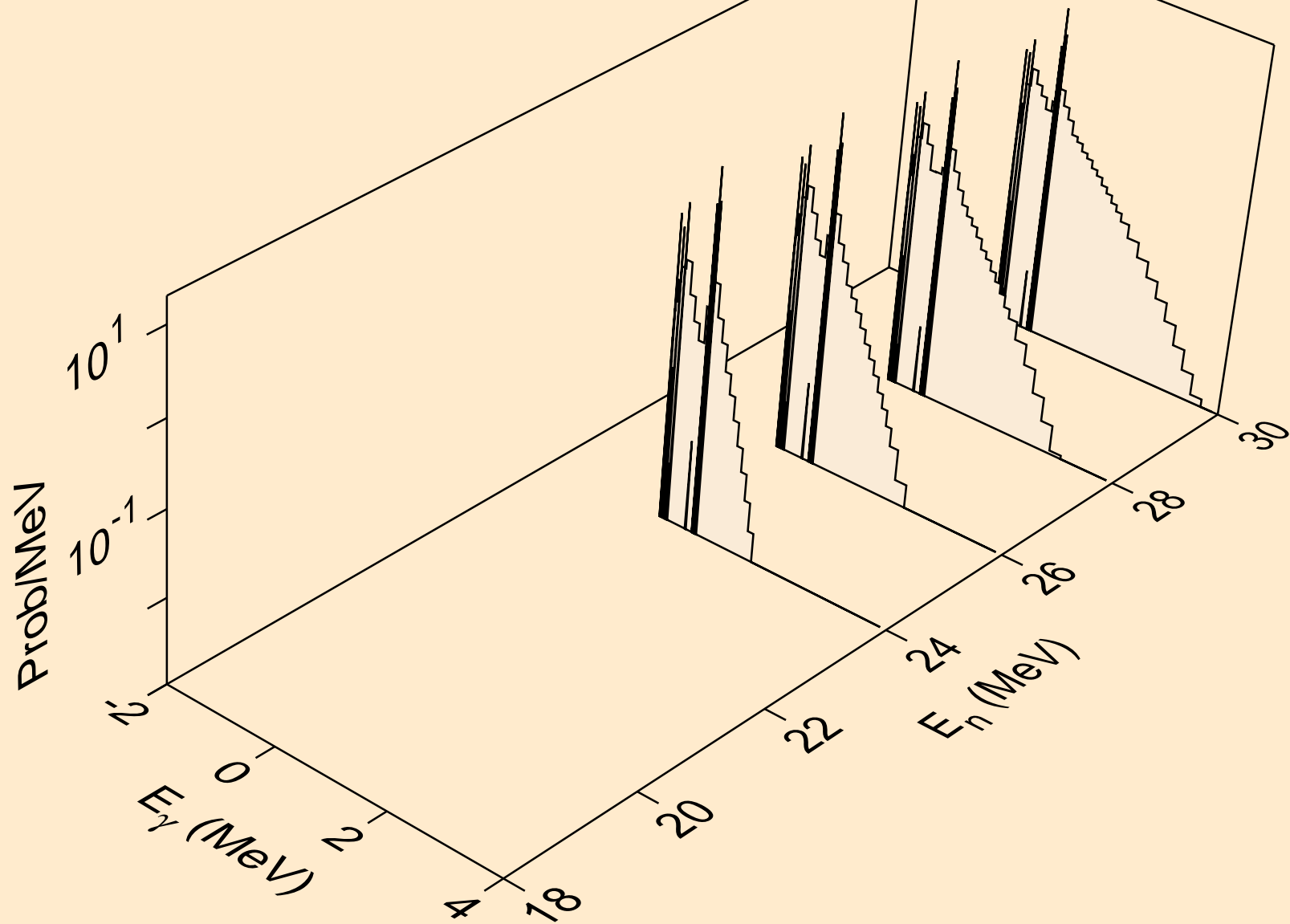




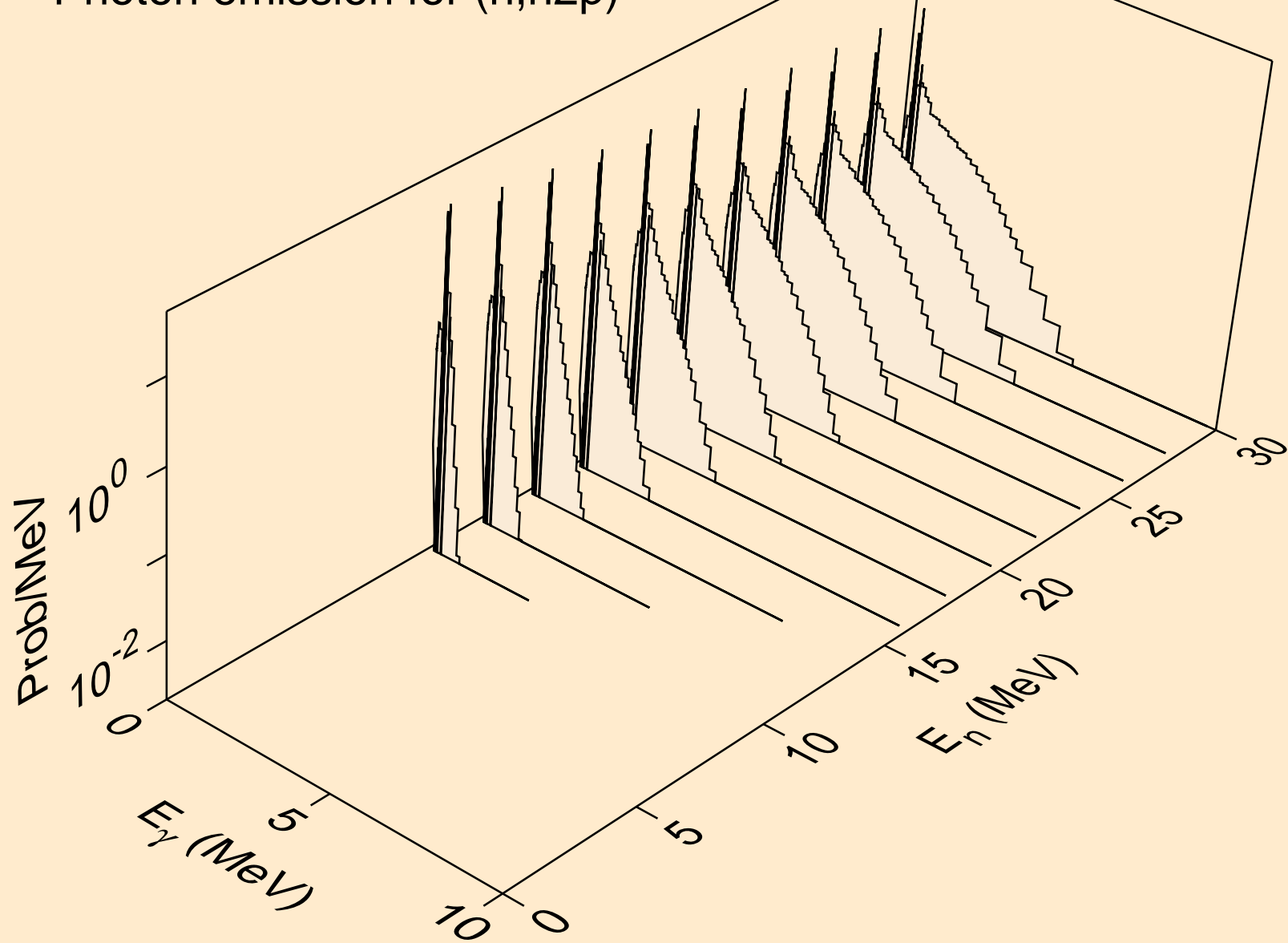
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Photon emission for (n,2np)



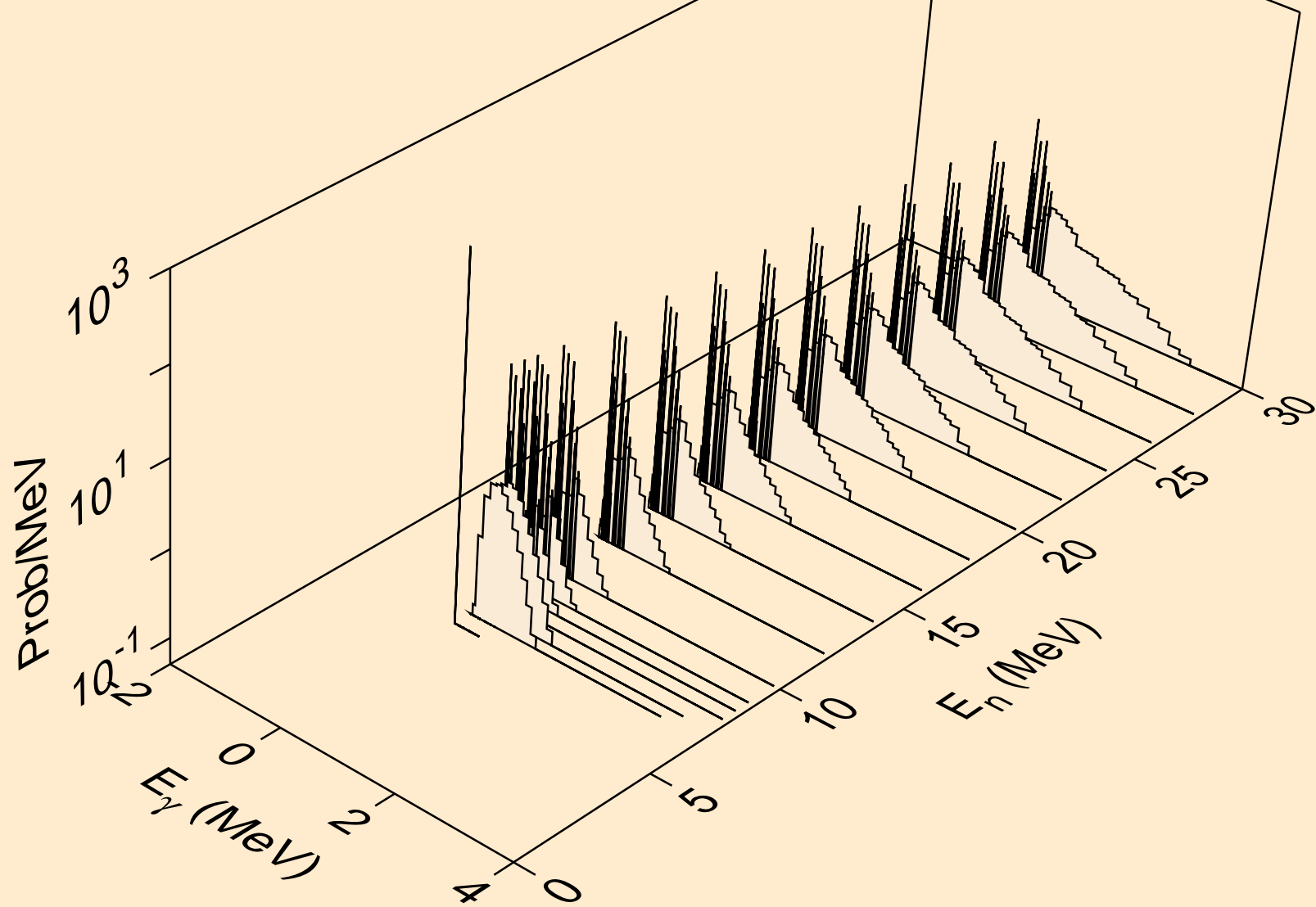
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Photon emission for (n,3np)



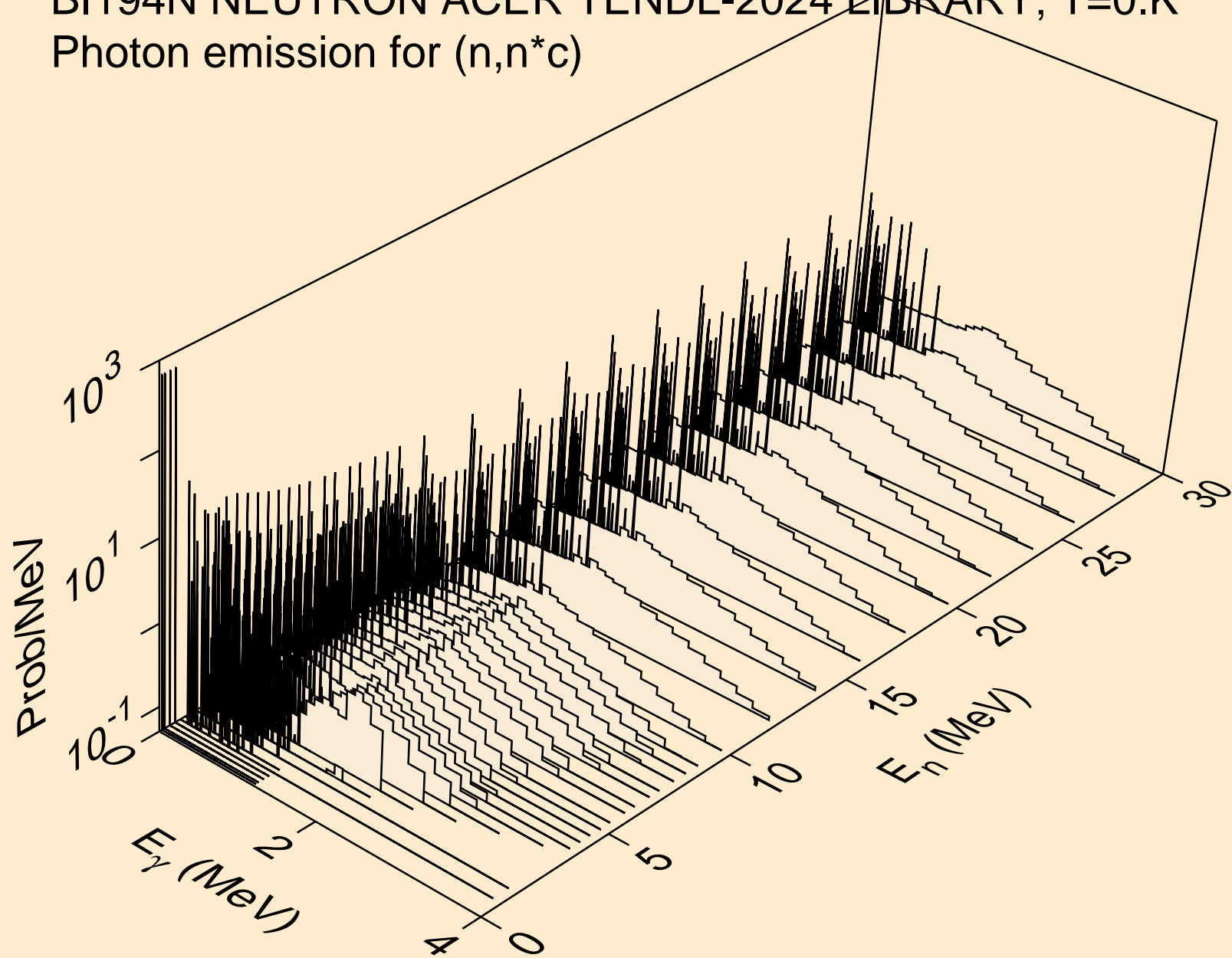
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Photon emission for (n,n2p)



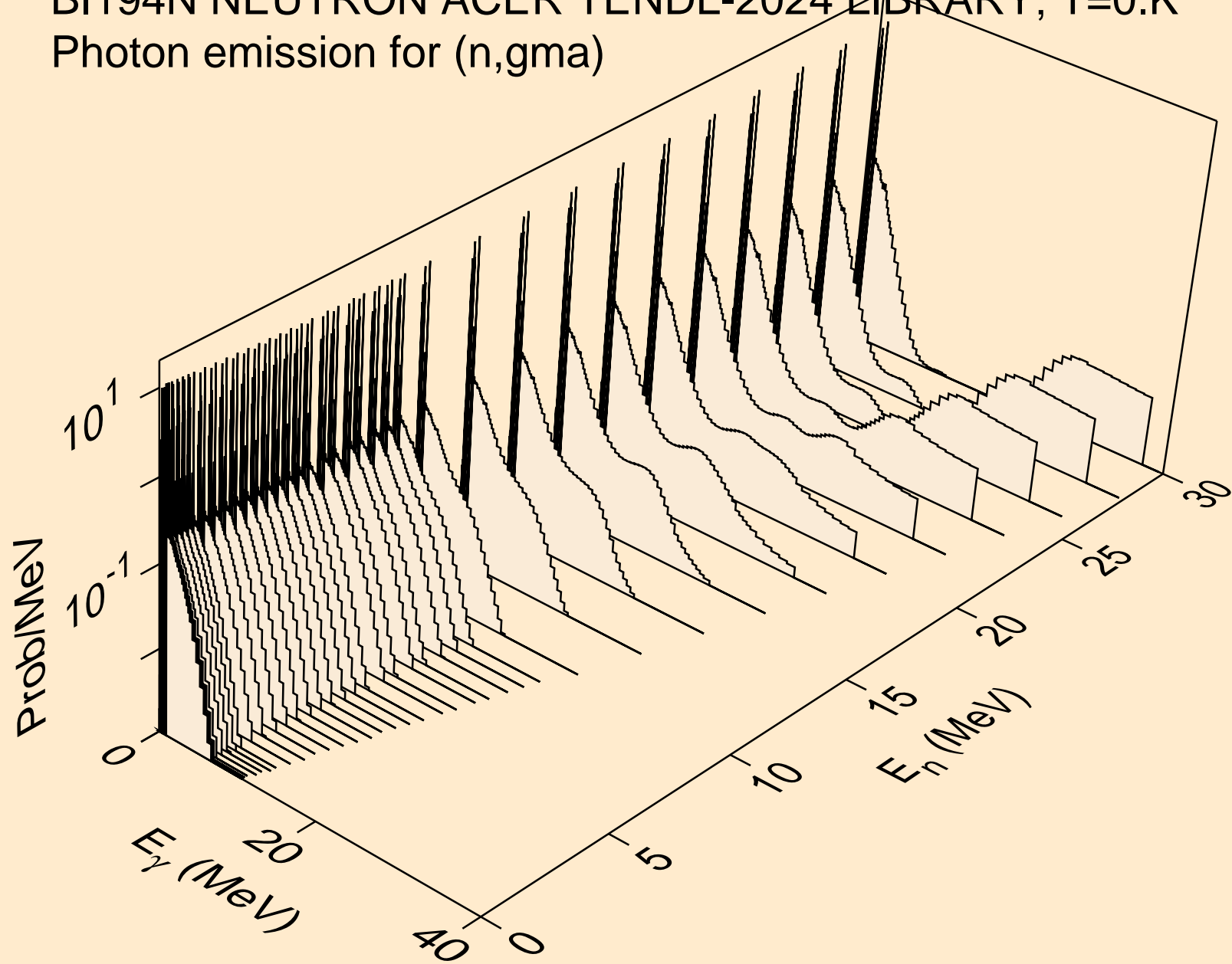
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Photon emission for (n,npa)



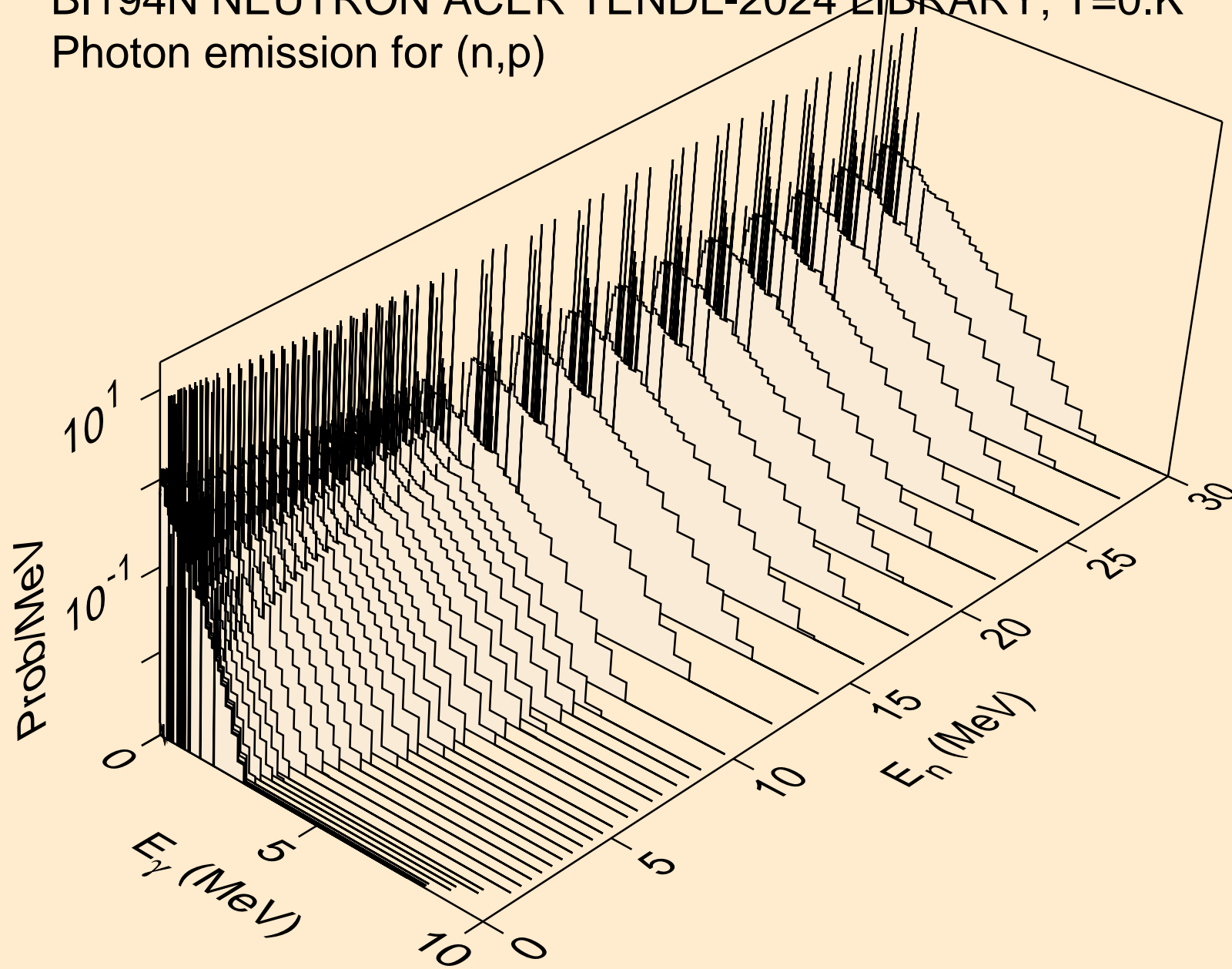
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Photon emission for (n,n\*c)



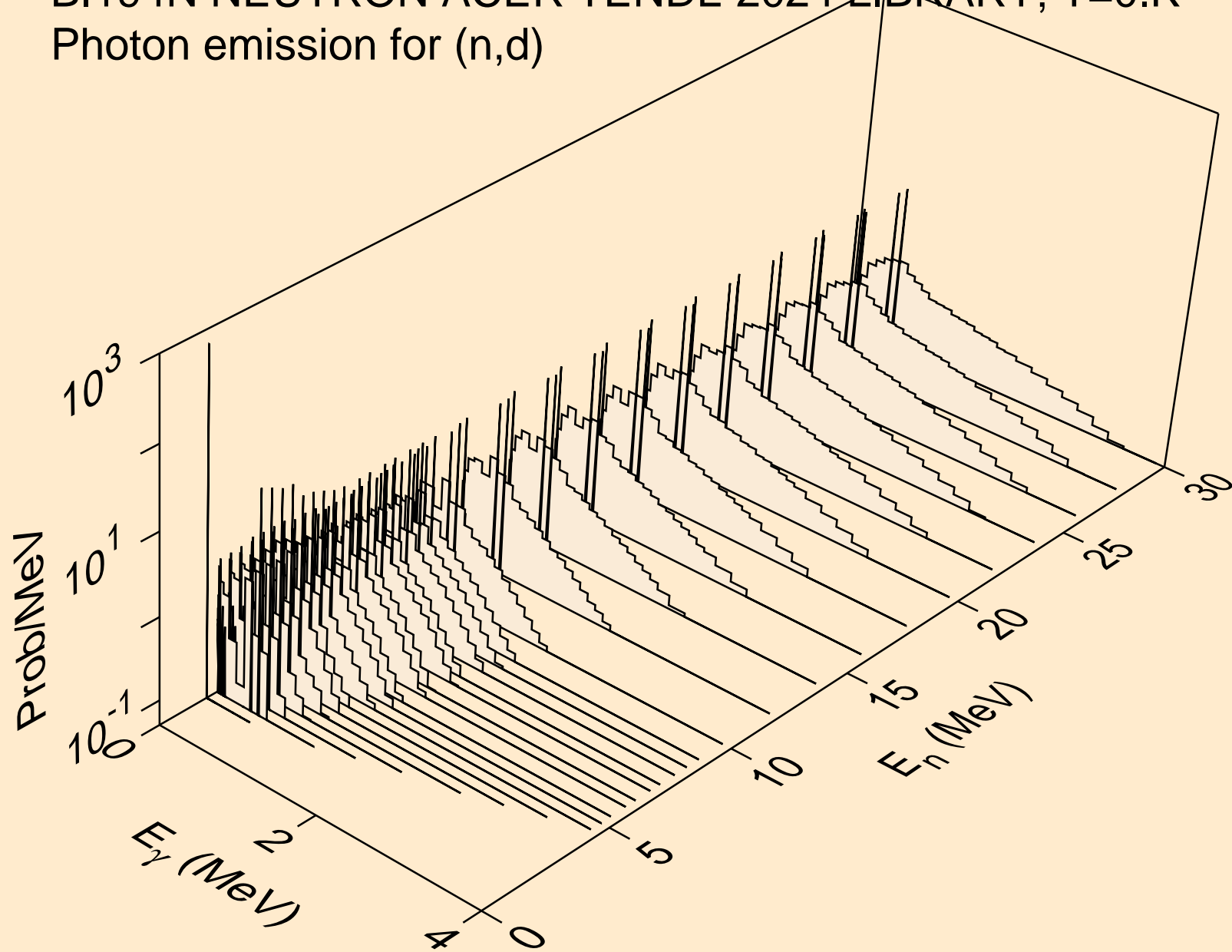
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

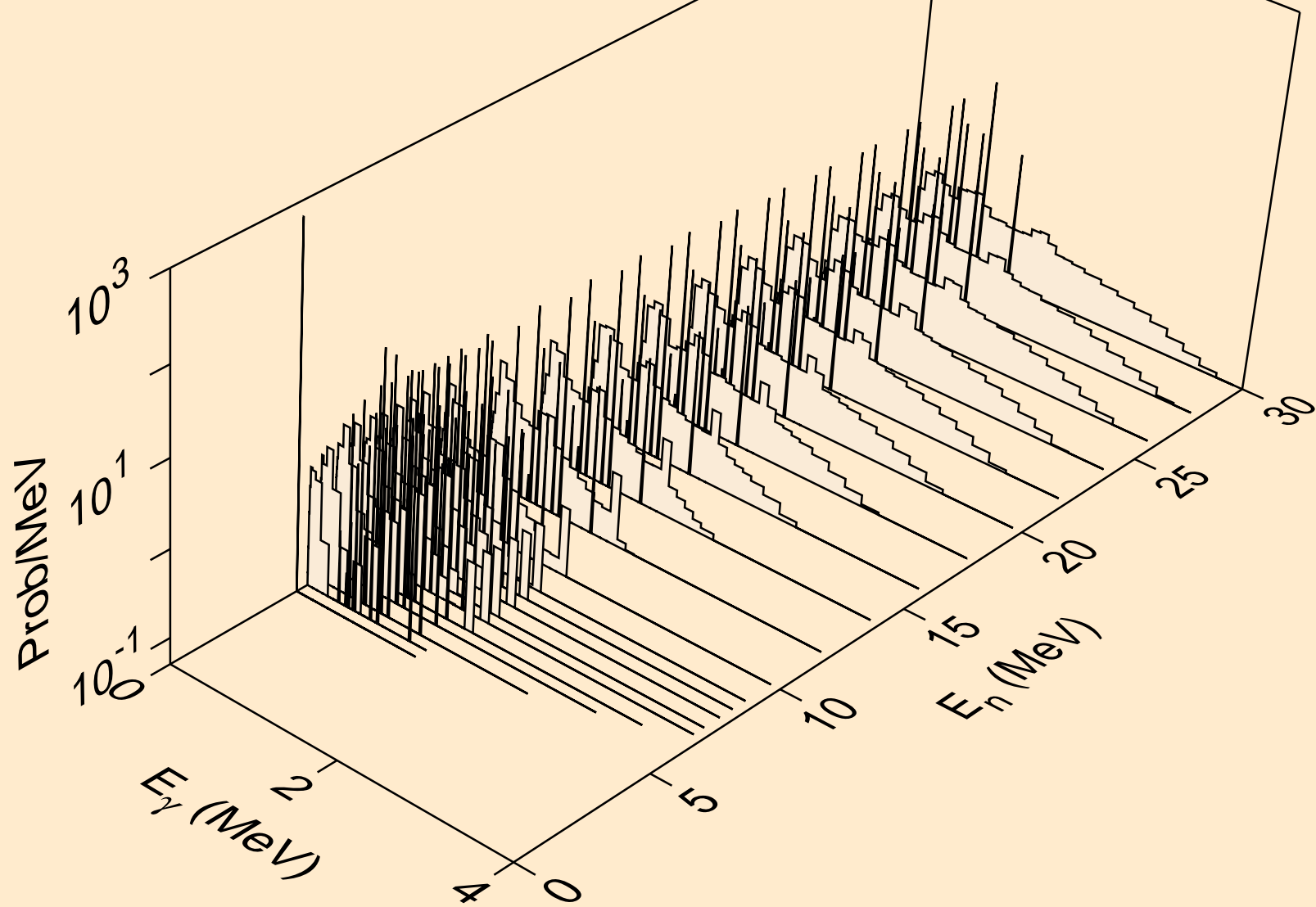


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Photon emission for (n,d)

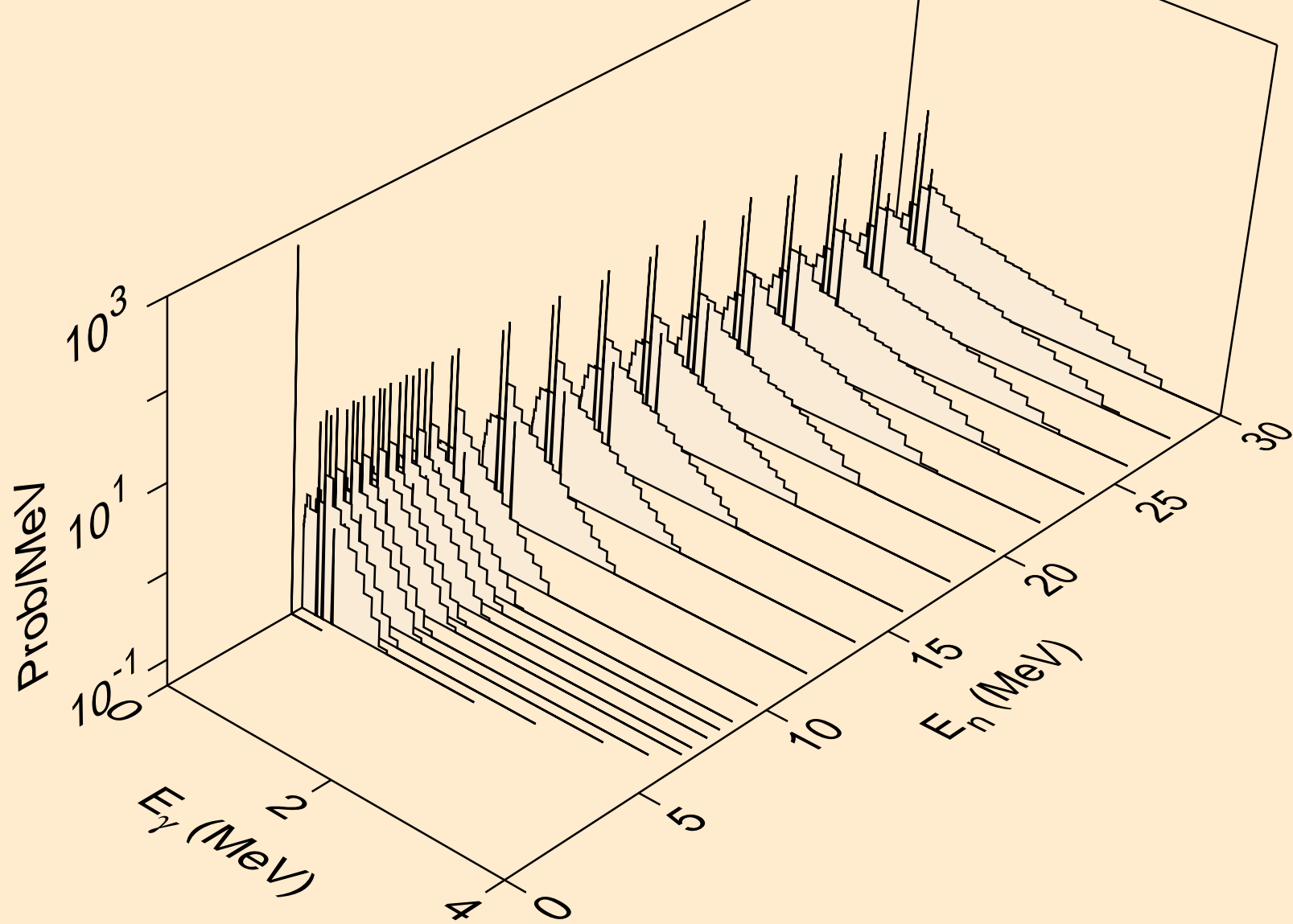




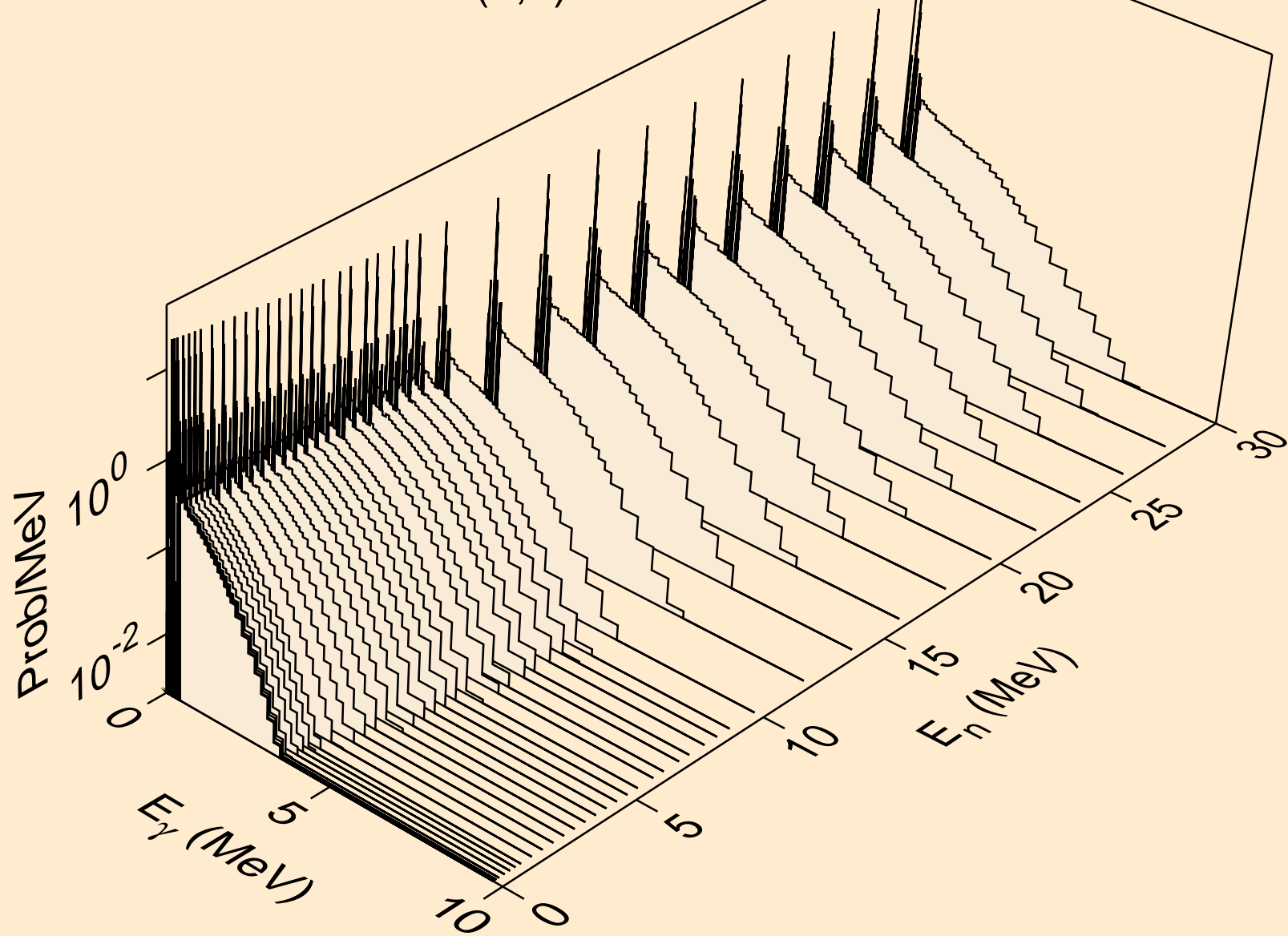
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Photon emission for (n,t)



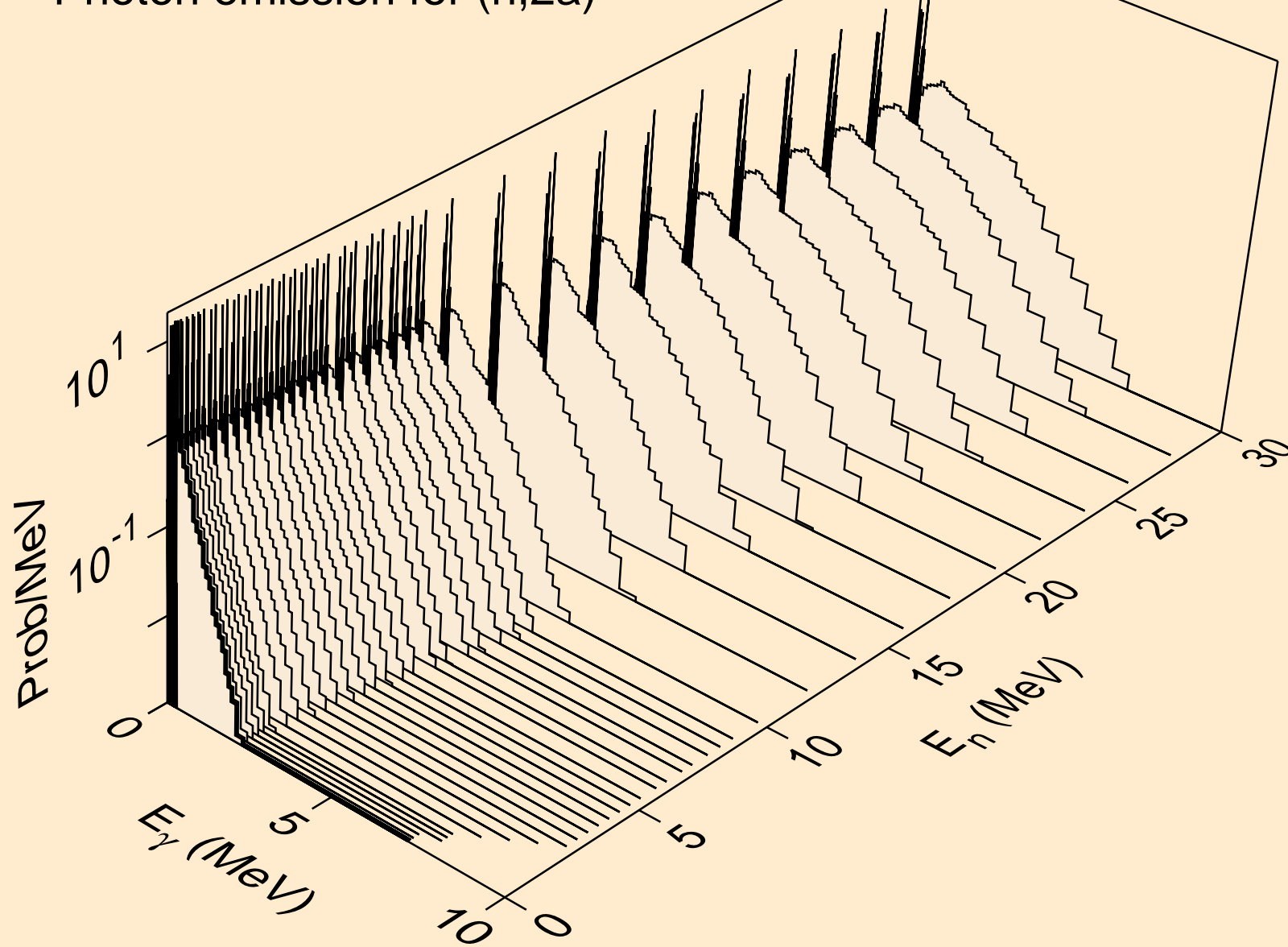
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



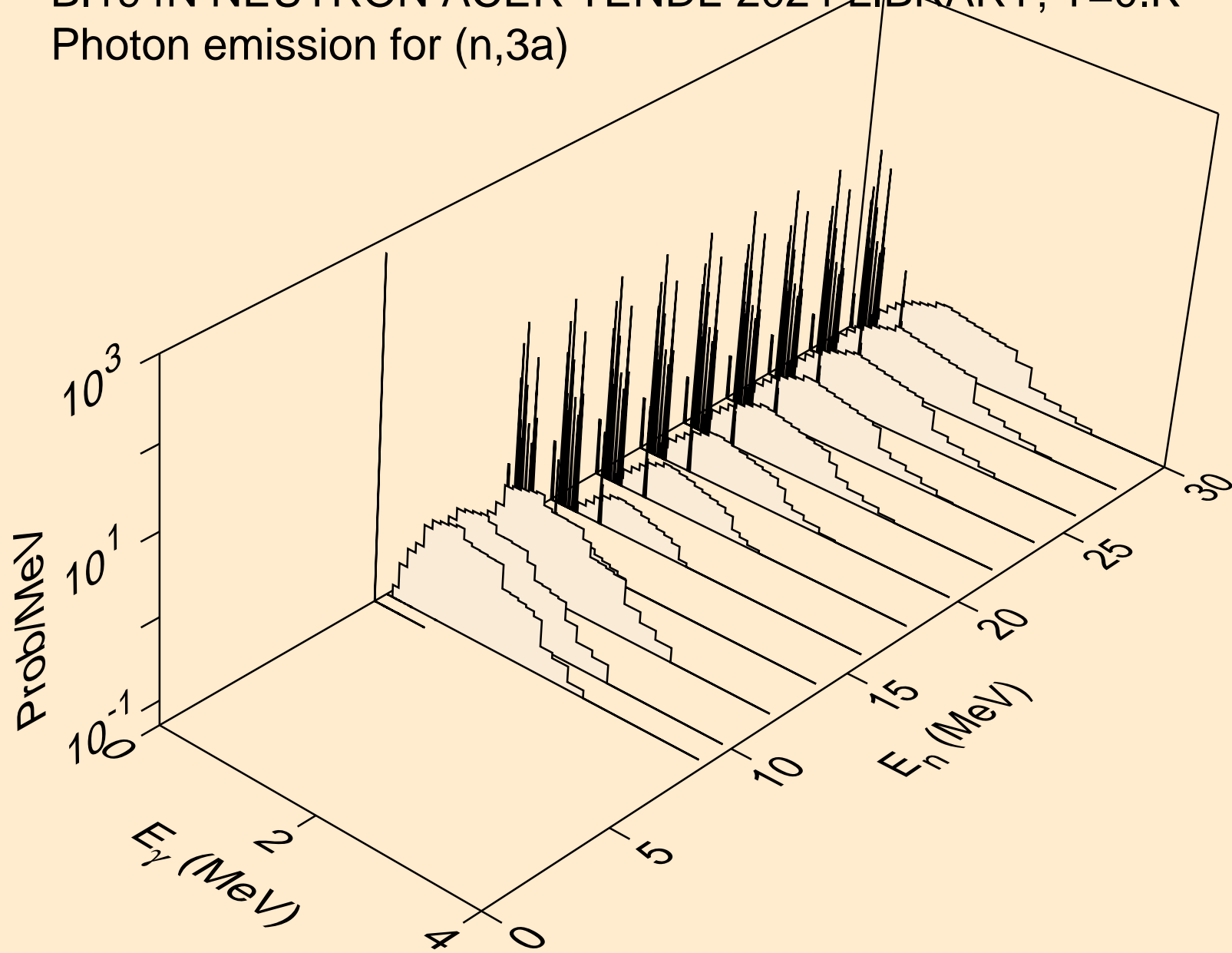
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



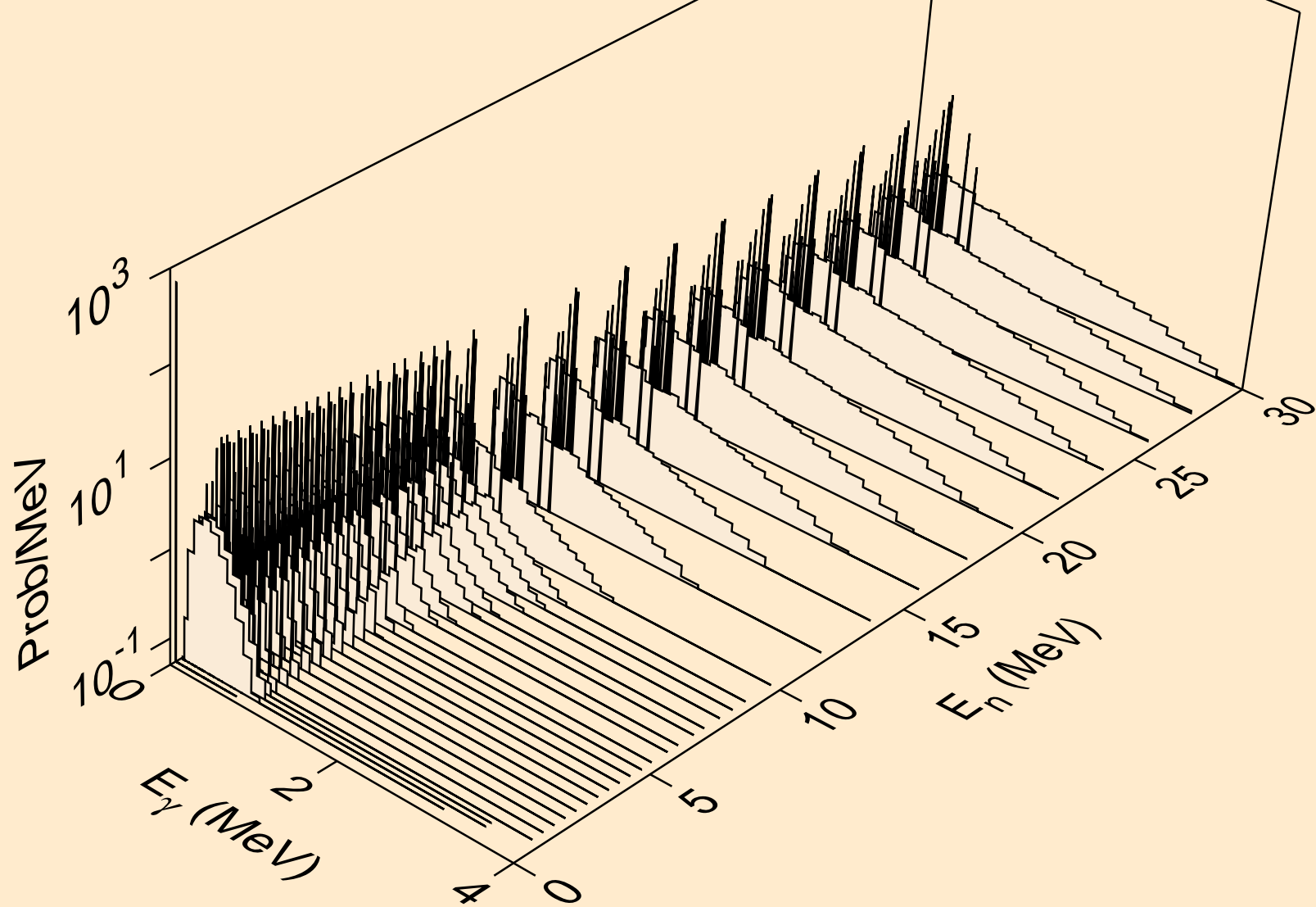
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



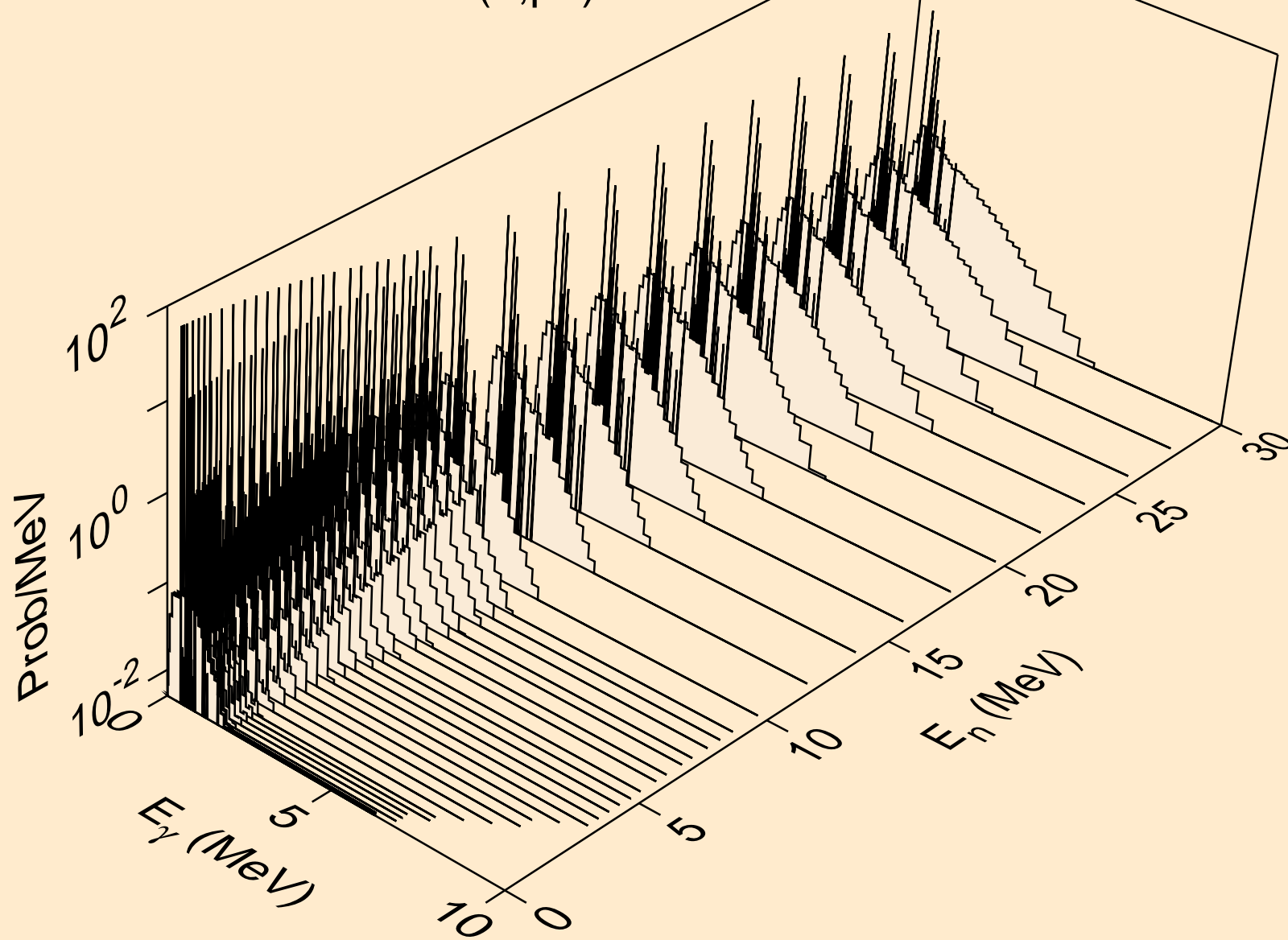
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Photon emission for (n,3a)



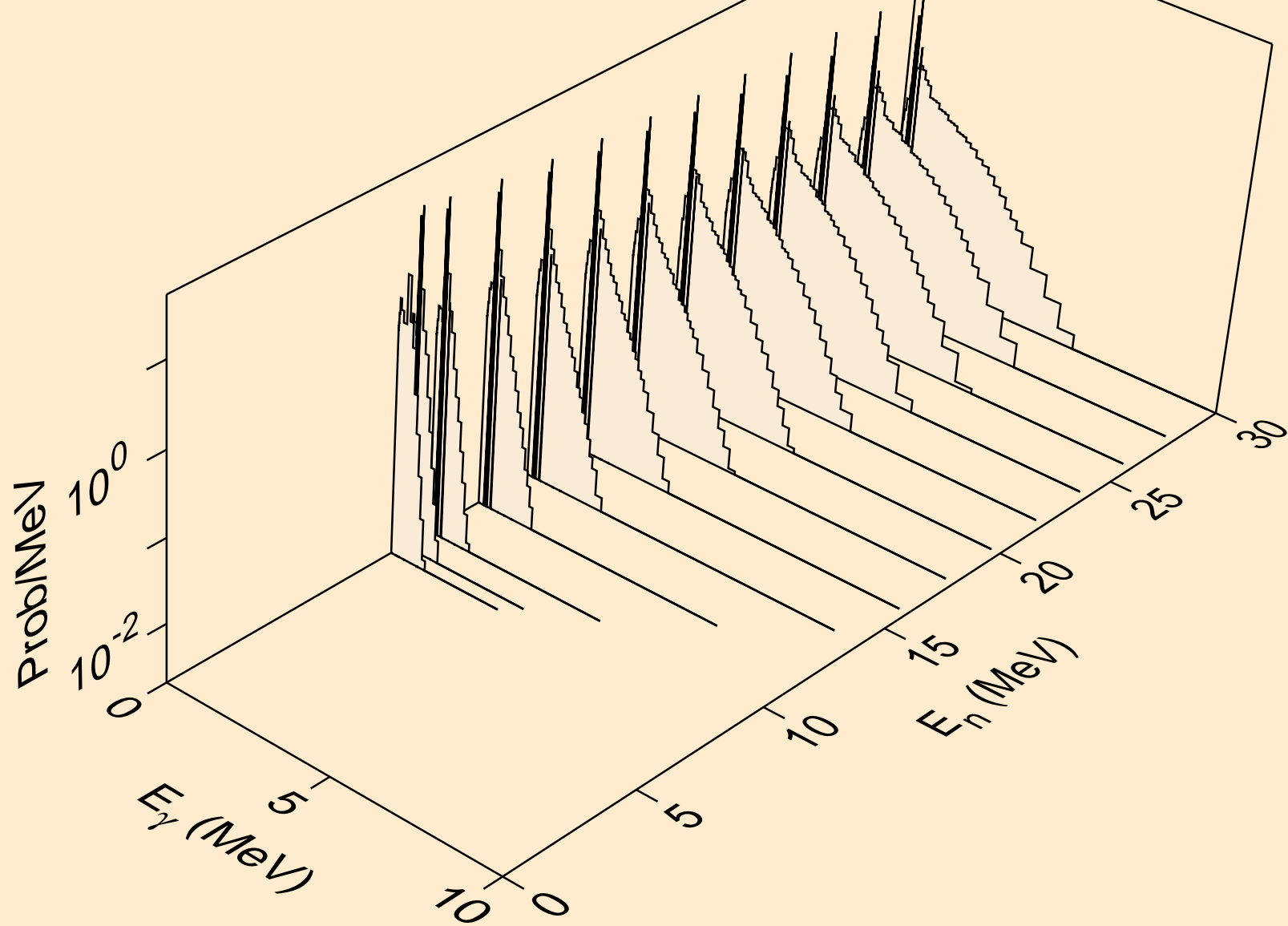
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

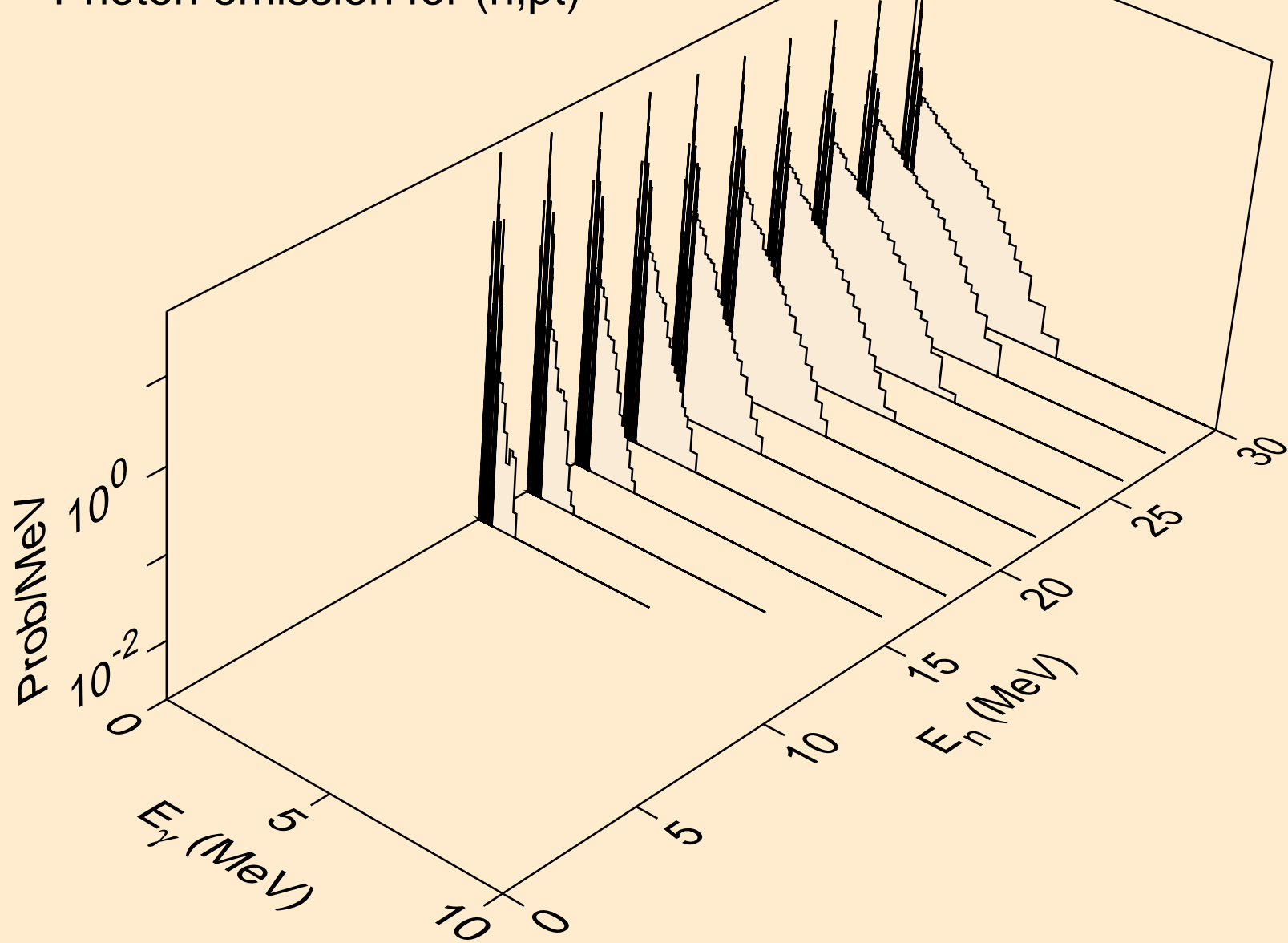


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

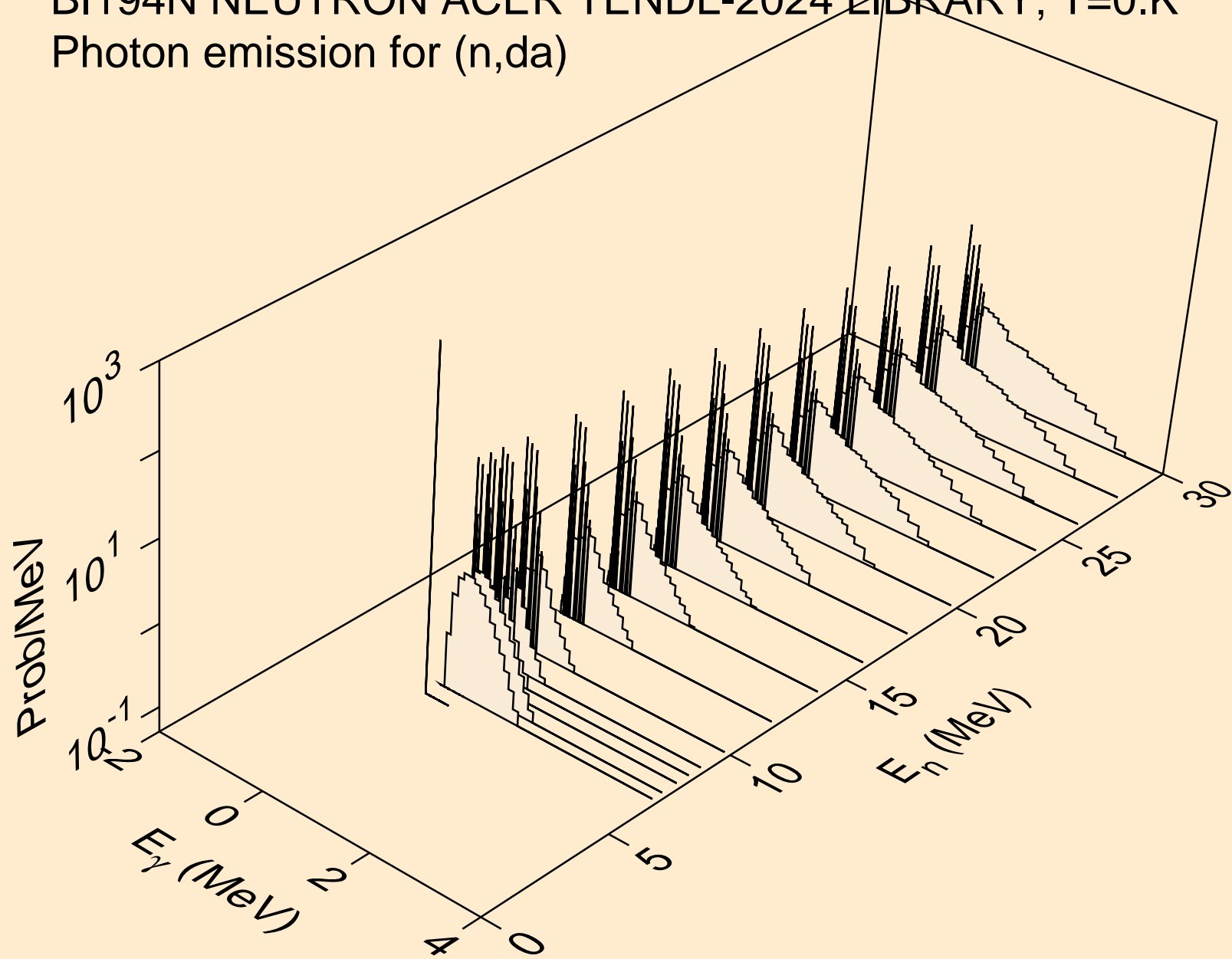




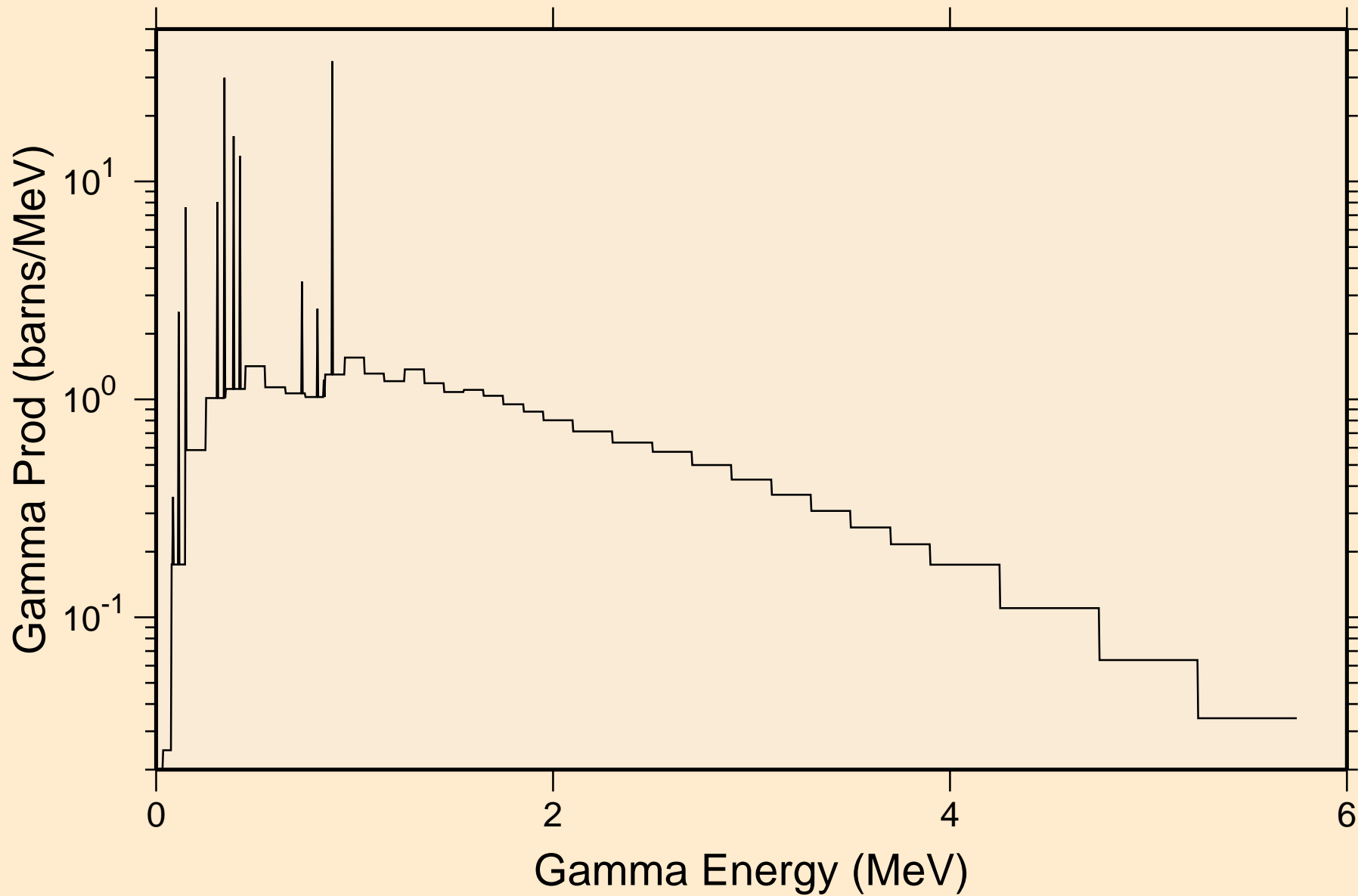
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



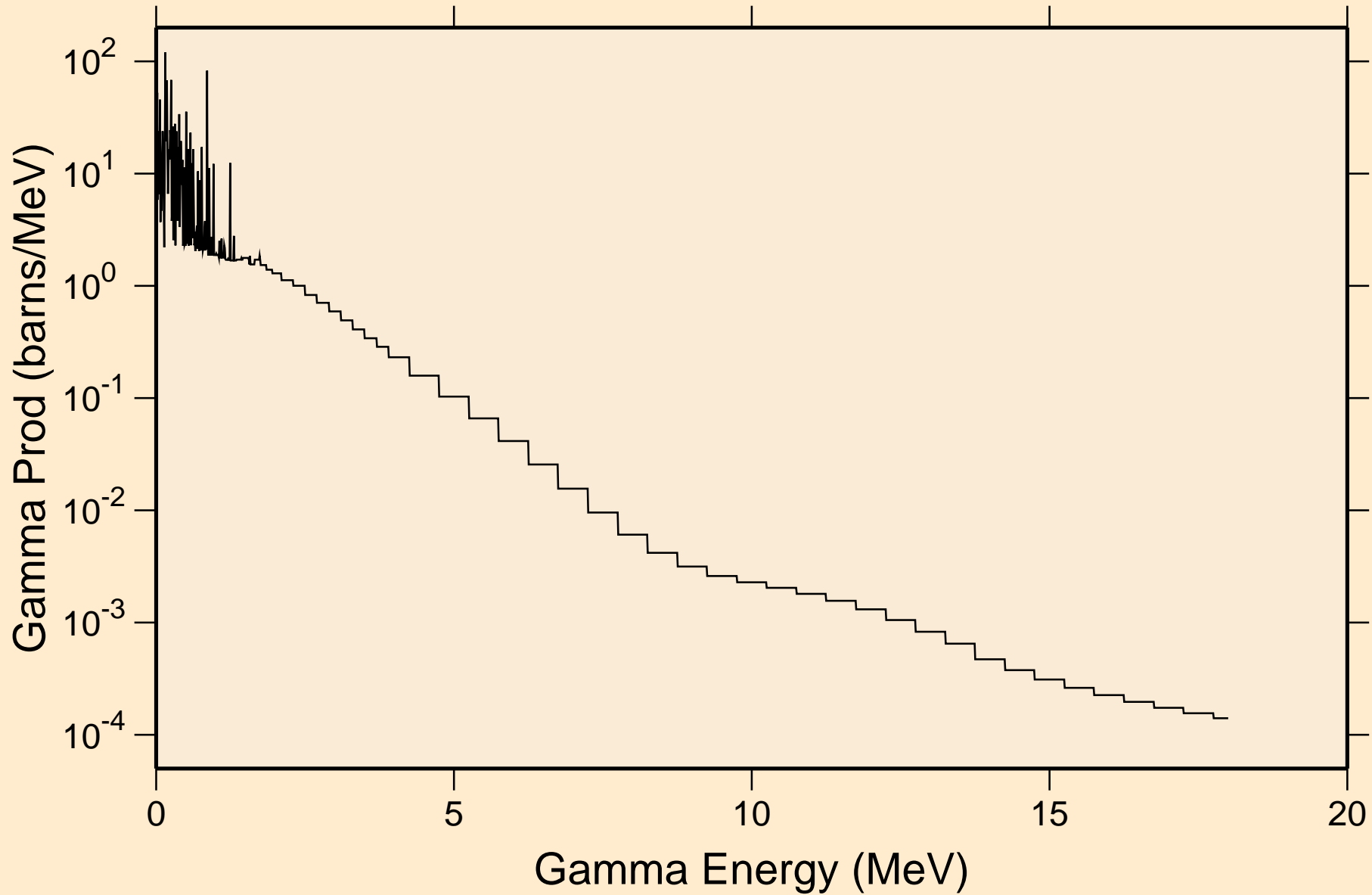
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Photon emission for (n,da)



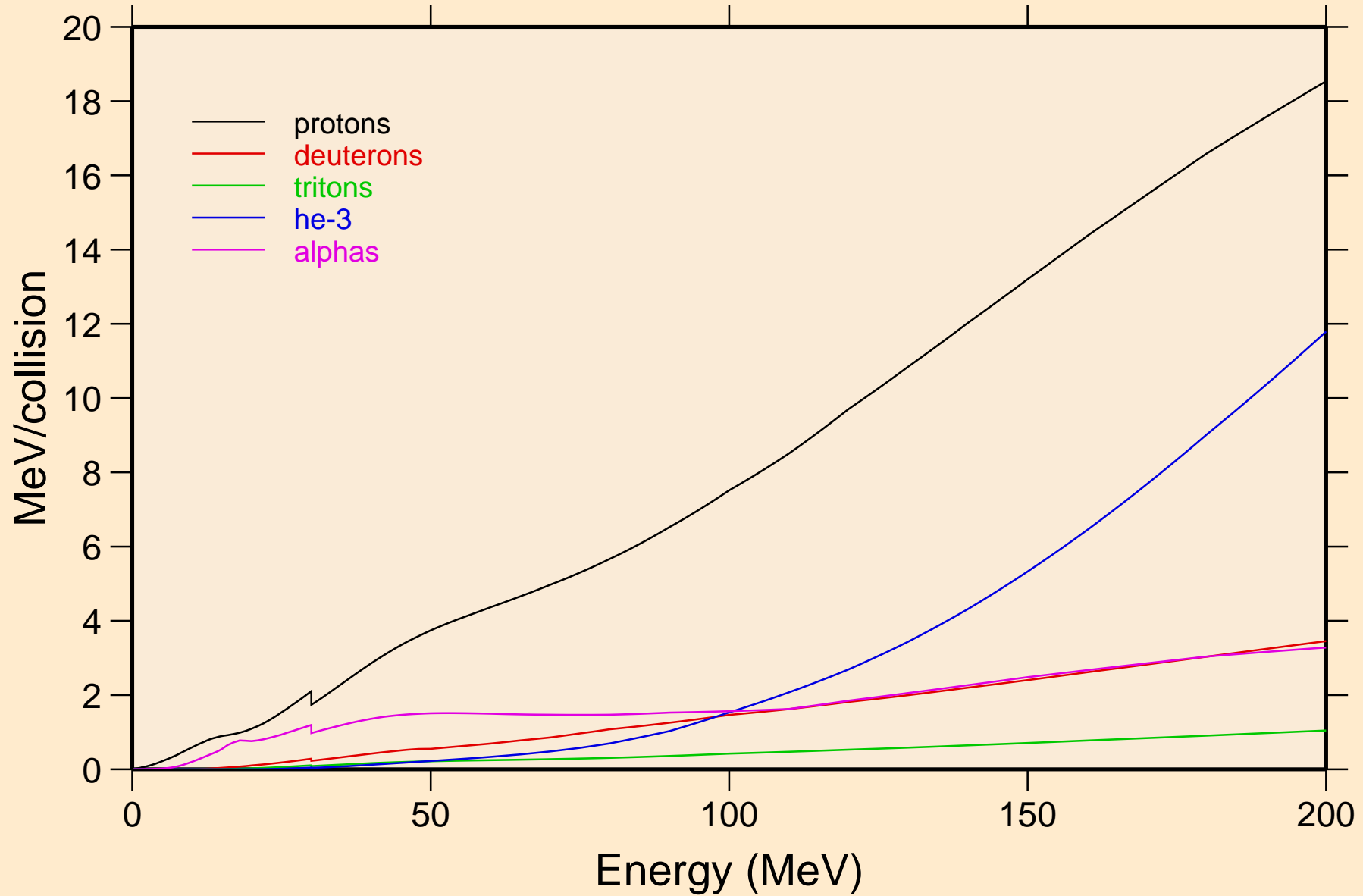
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thermal capture photon spectrum



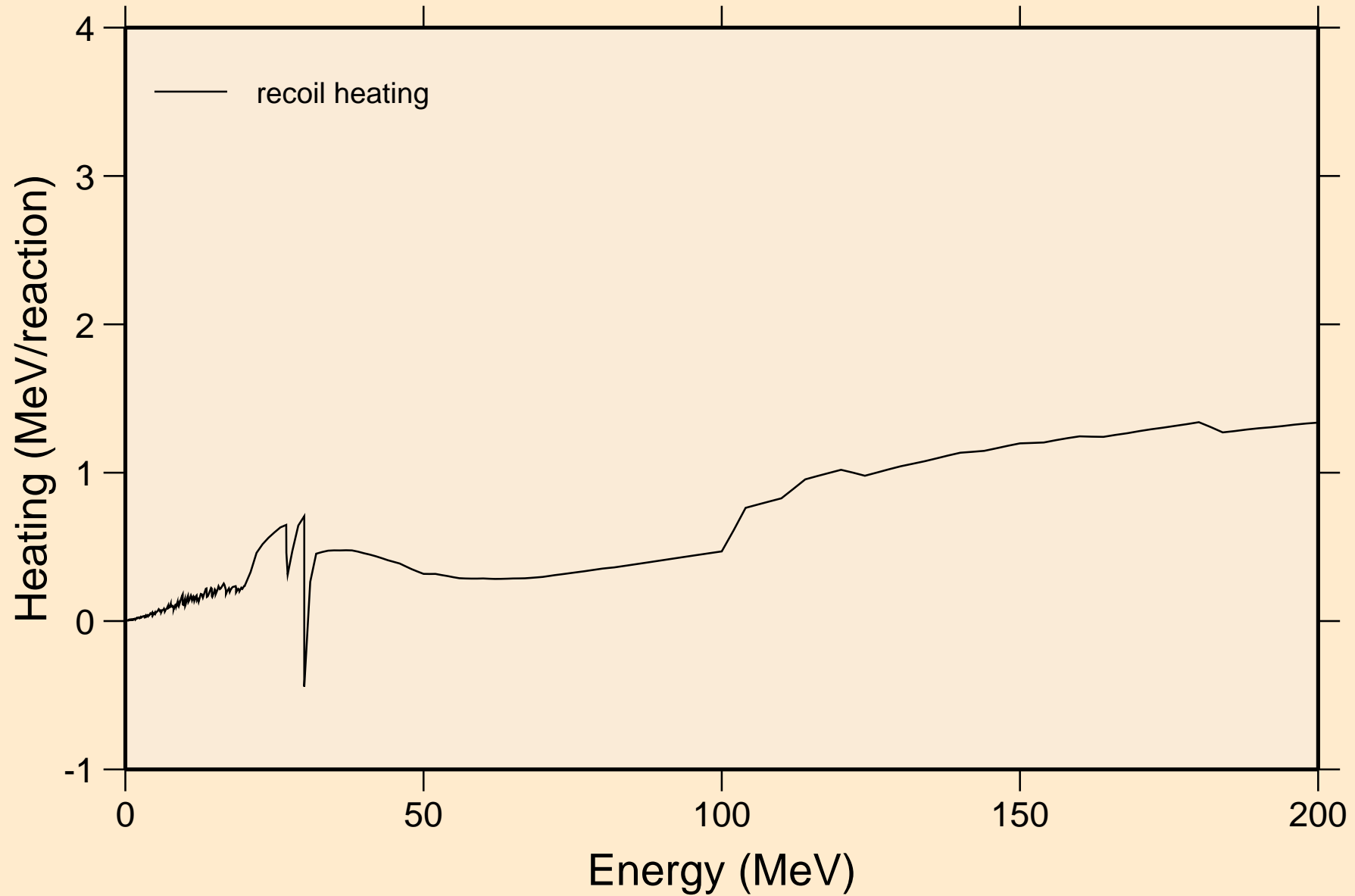
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14 MeV photon spectrum



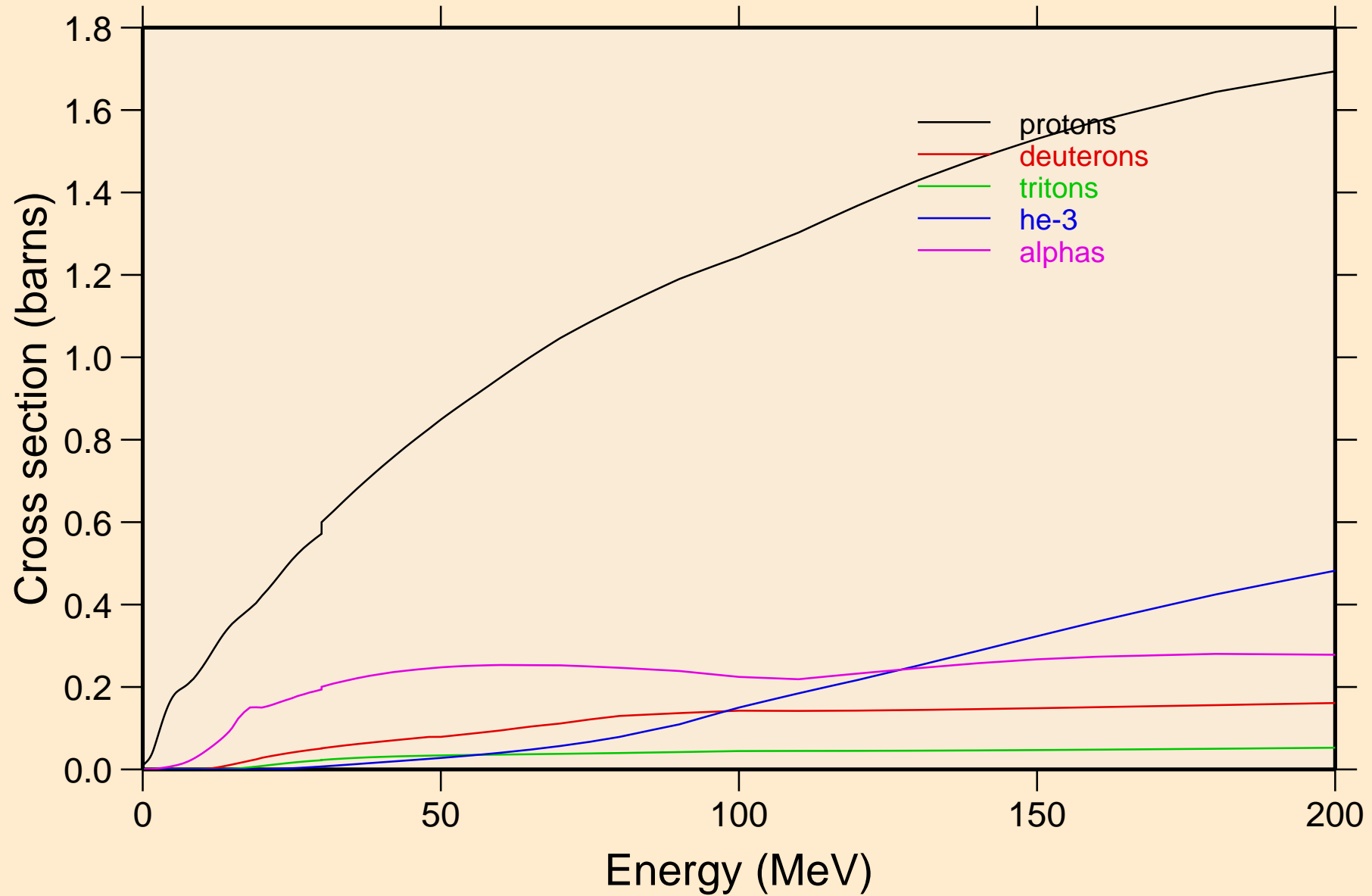
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Particle heating contributions



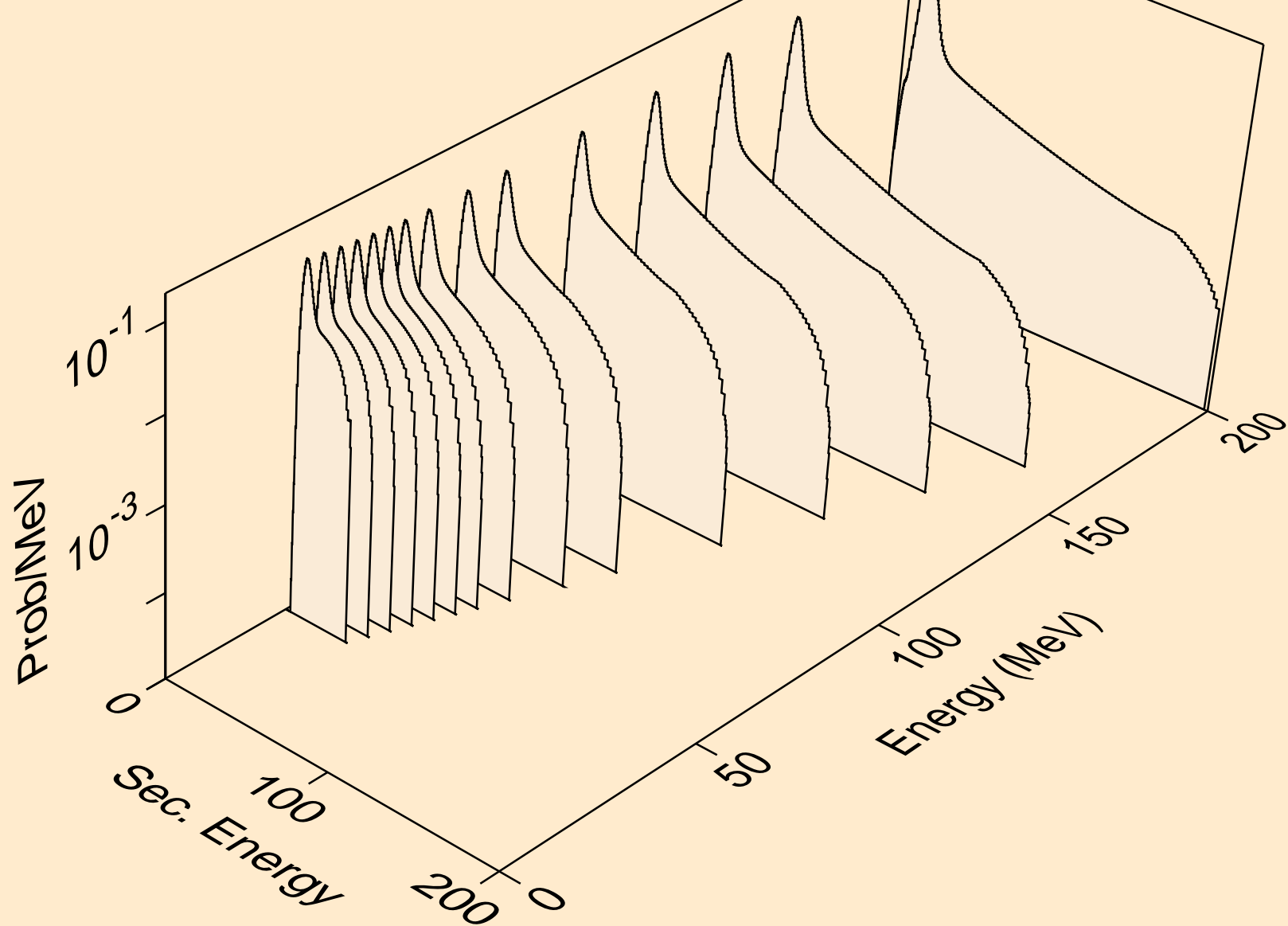
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections

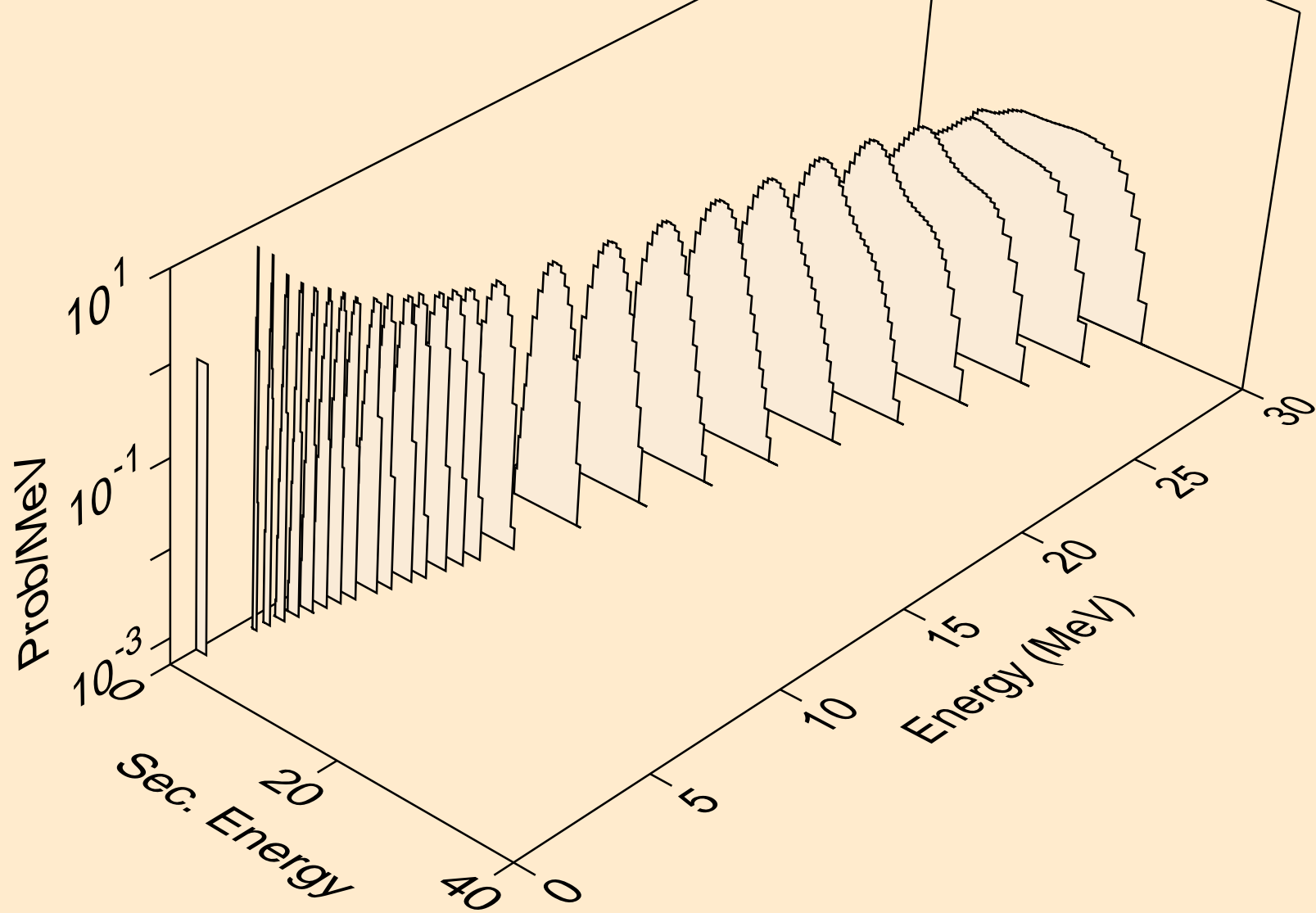


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

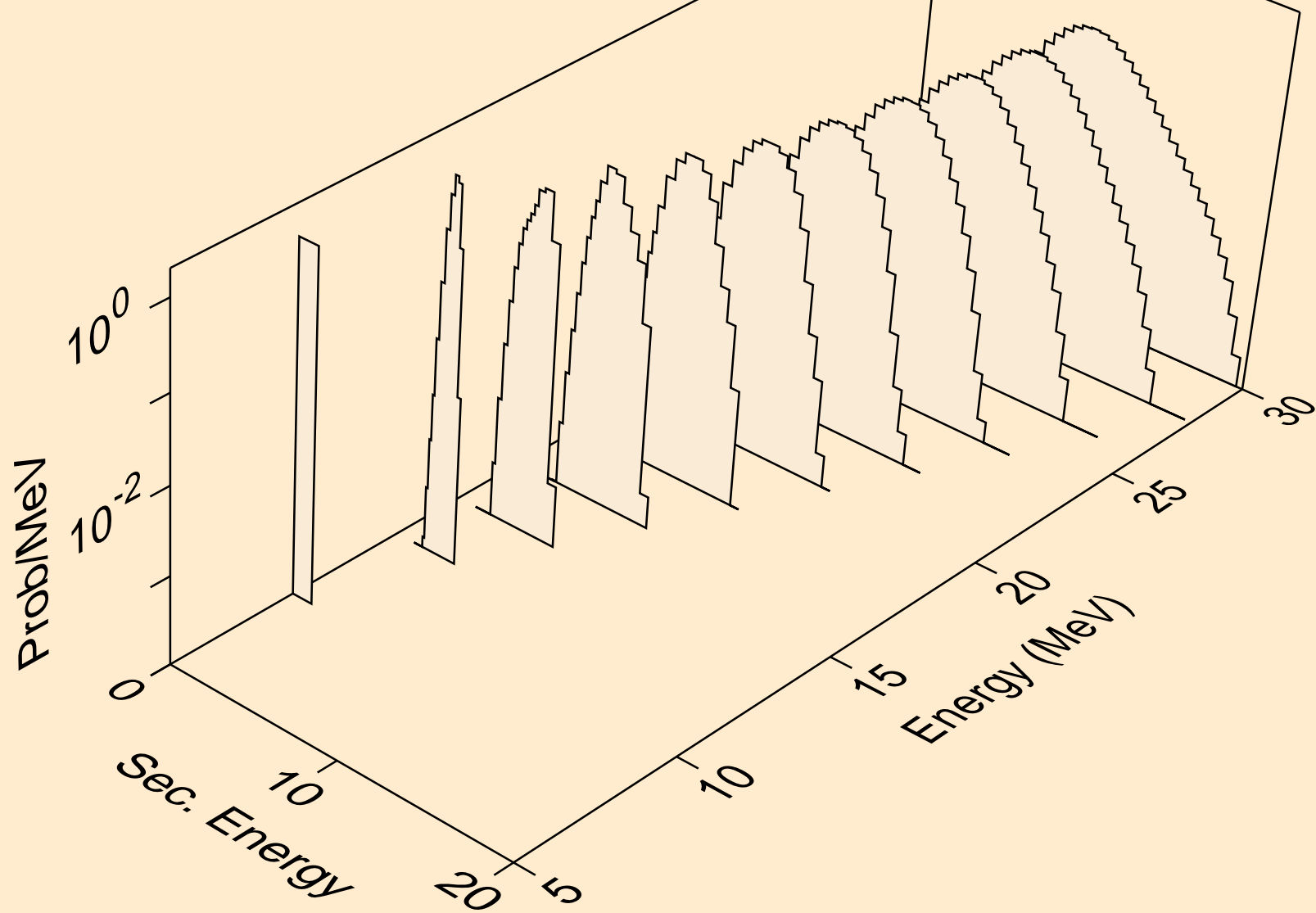




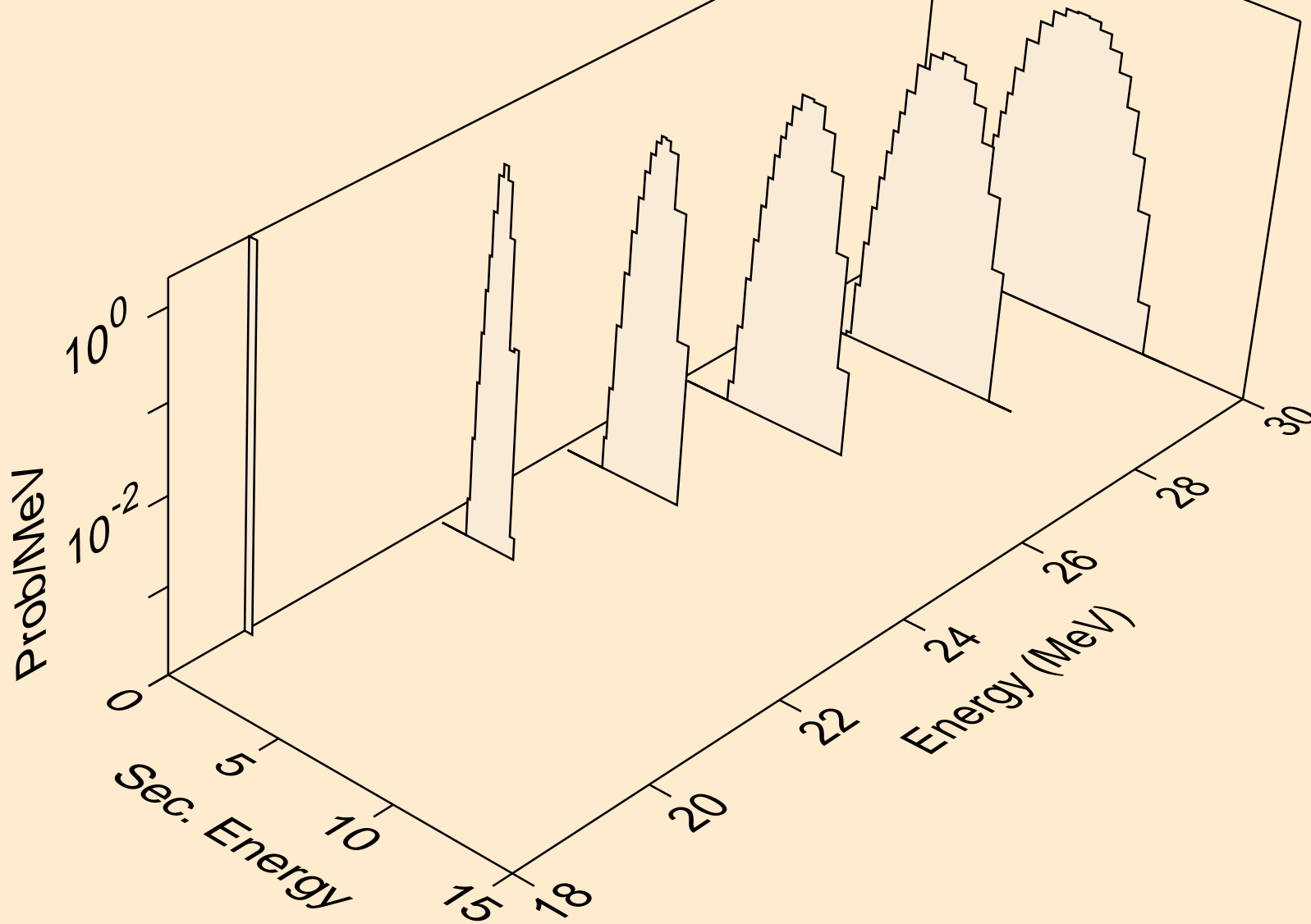
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



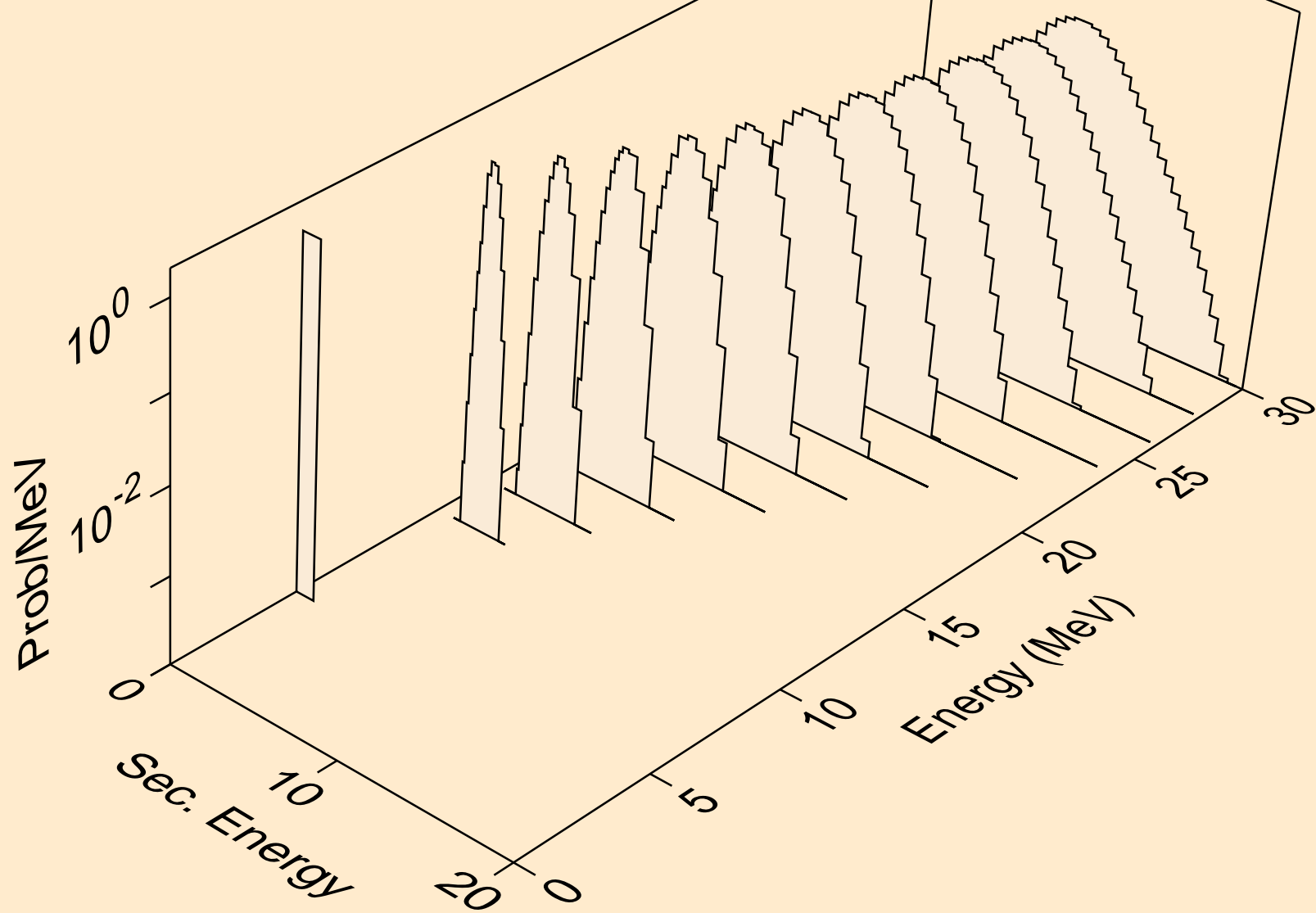
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protons from (n,2np)



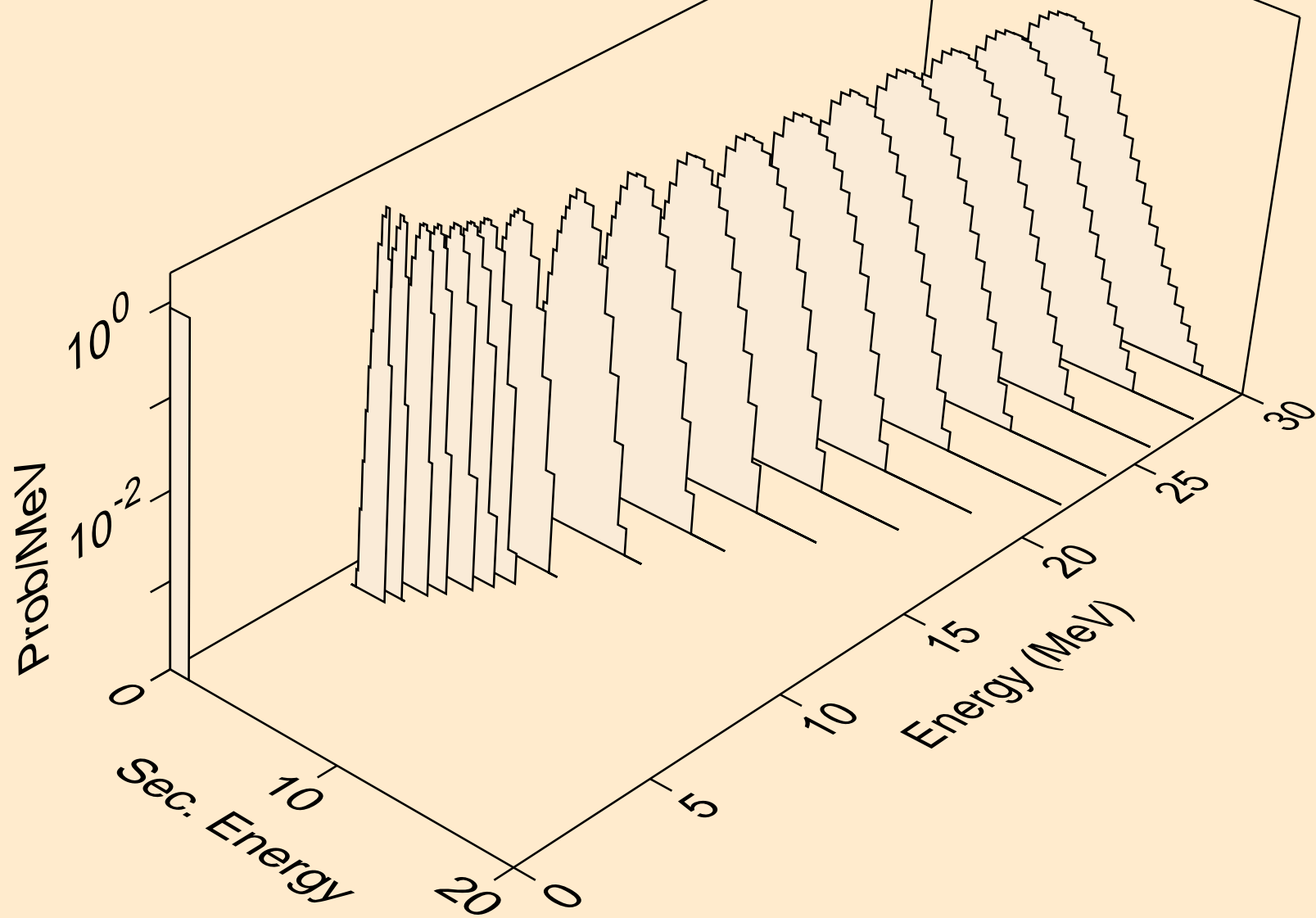
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protons from (n,3np)



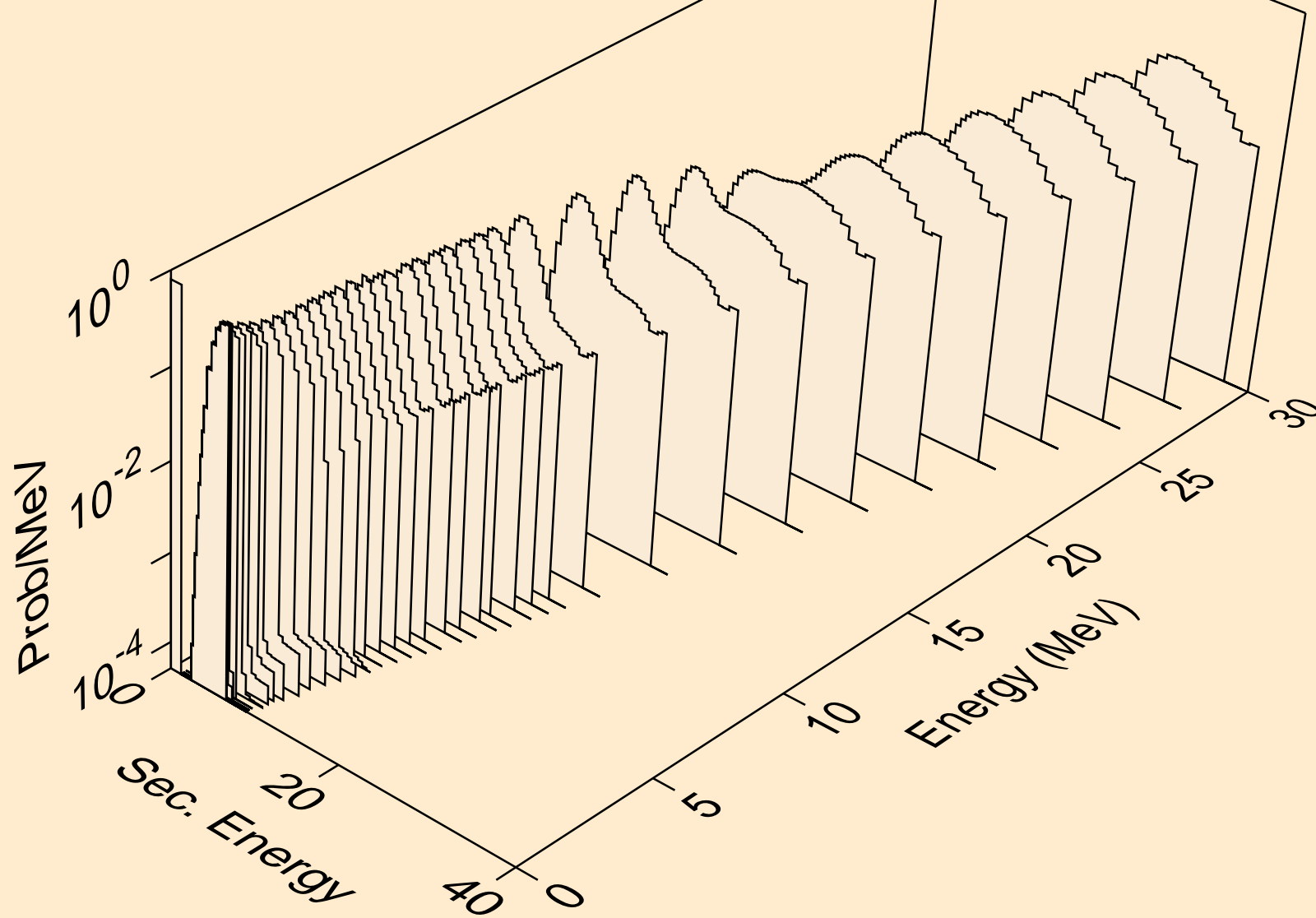
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protons from (n,n2p)



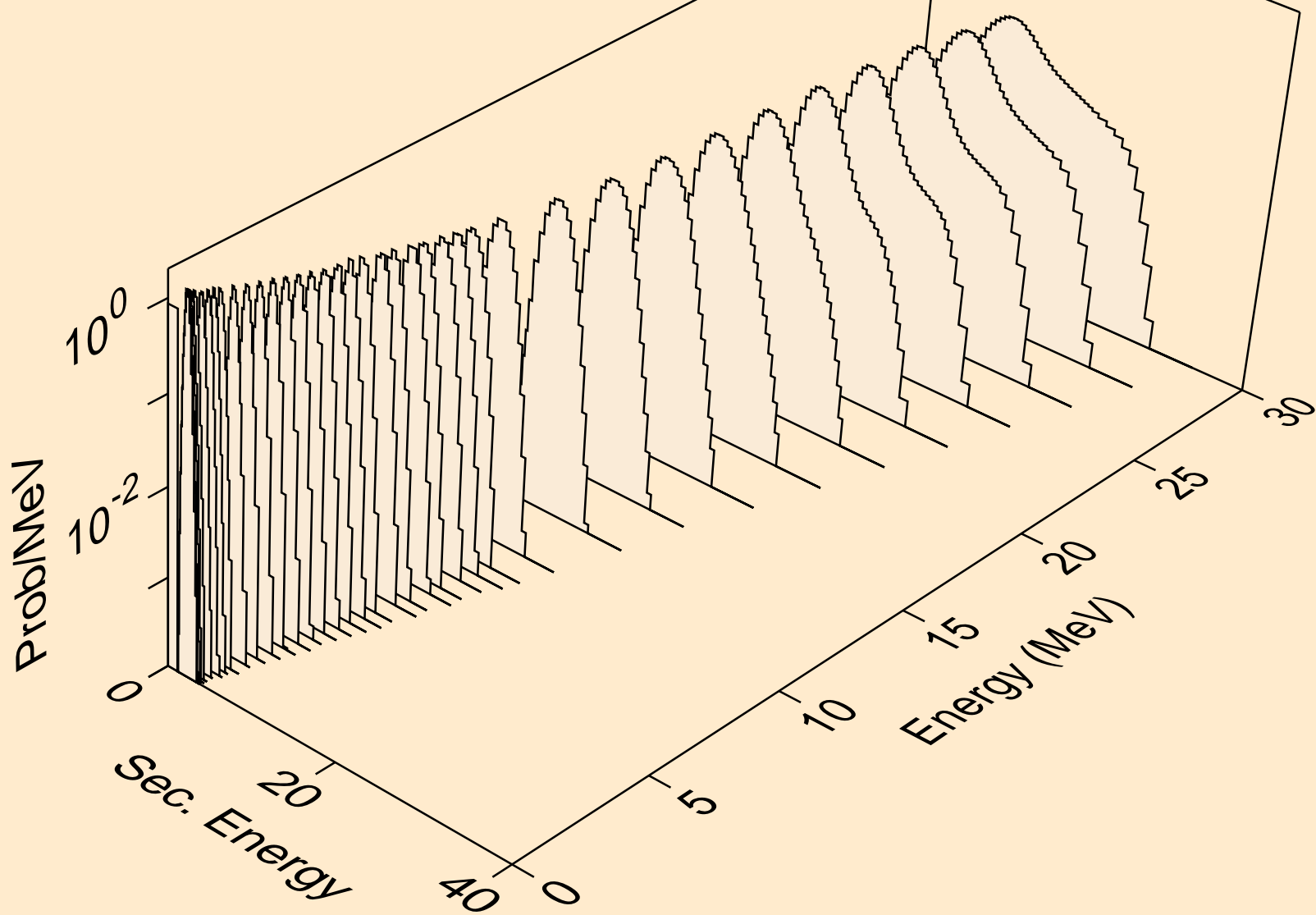
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protons from (n,npa)



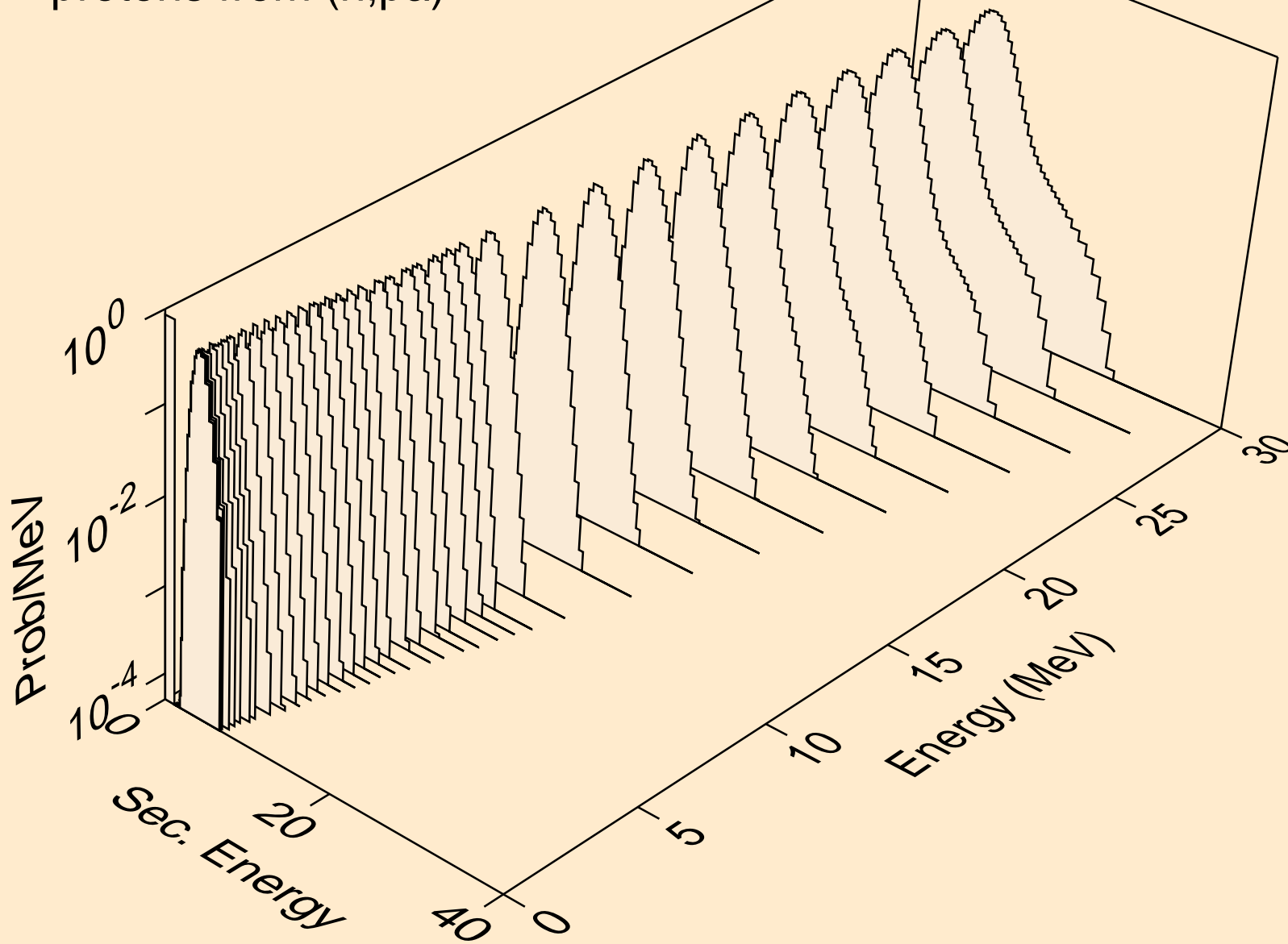
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)

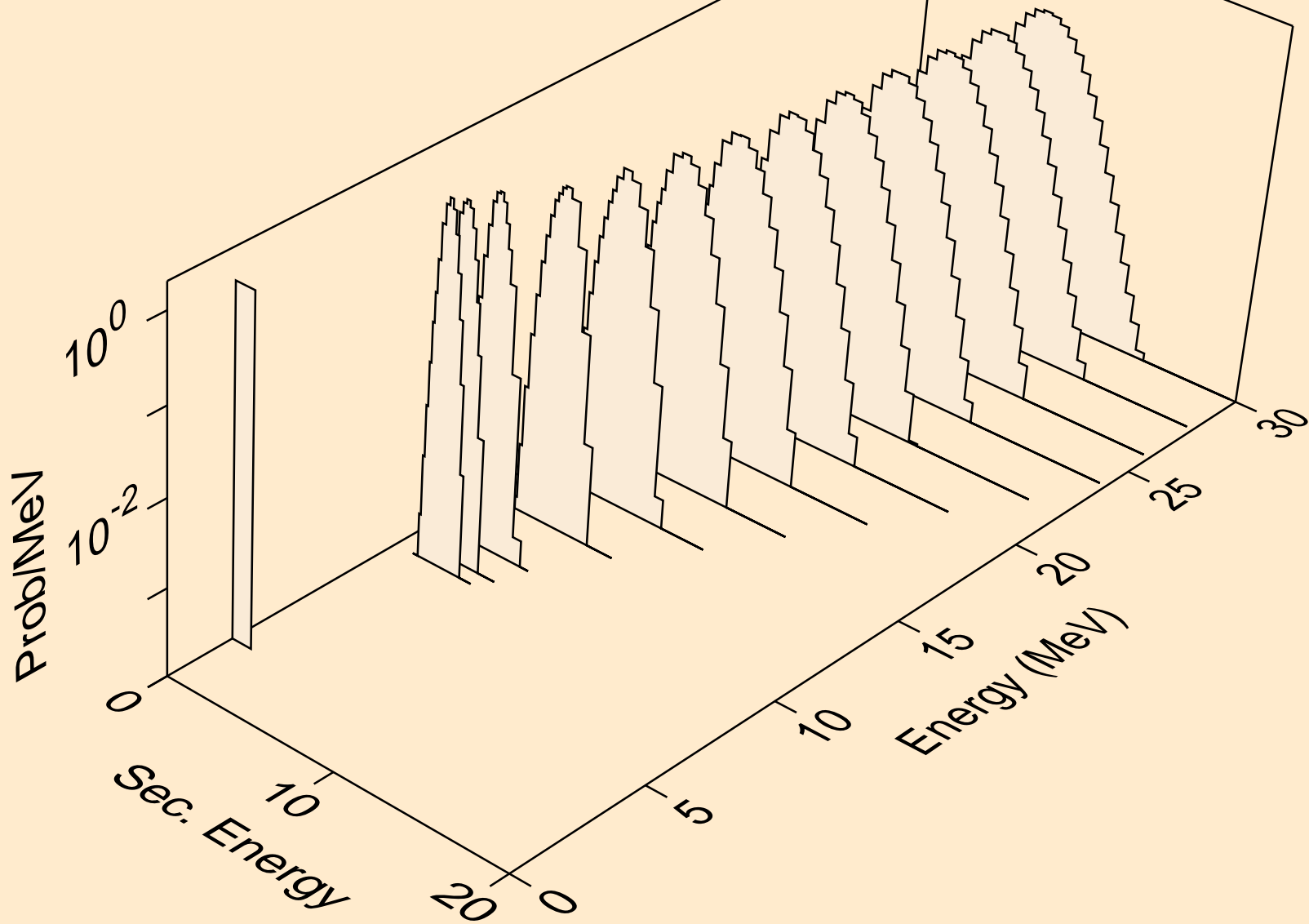


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protons from (n,p)

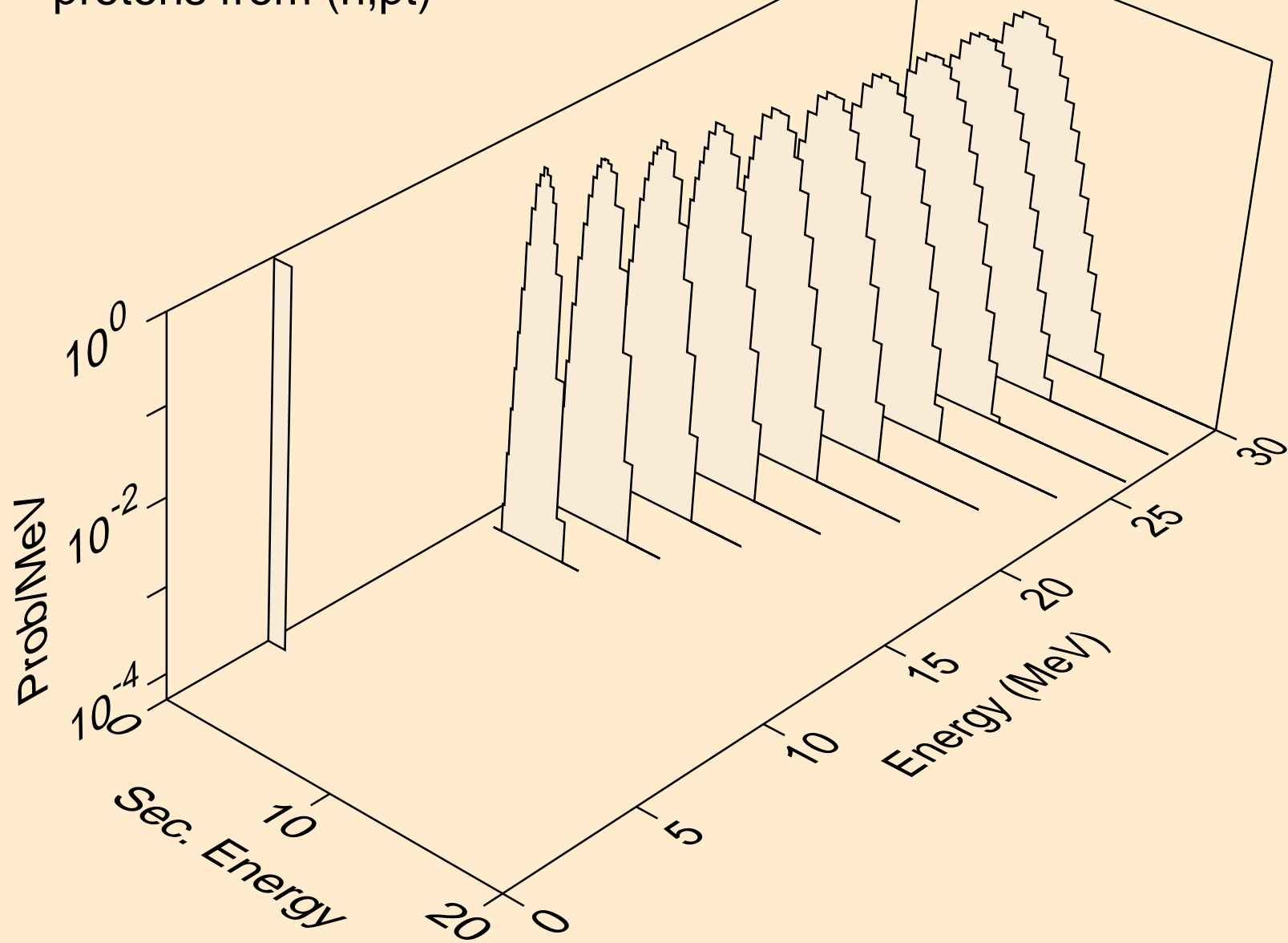




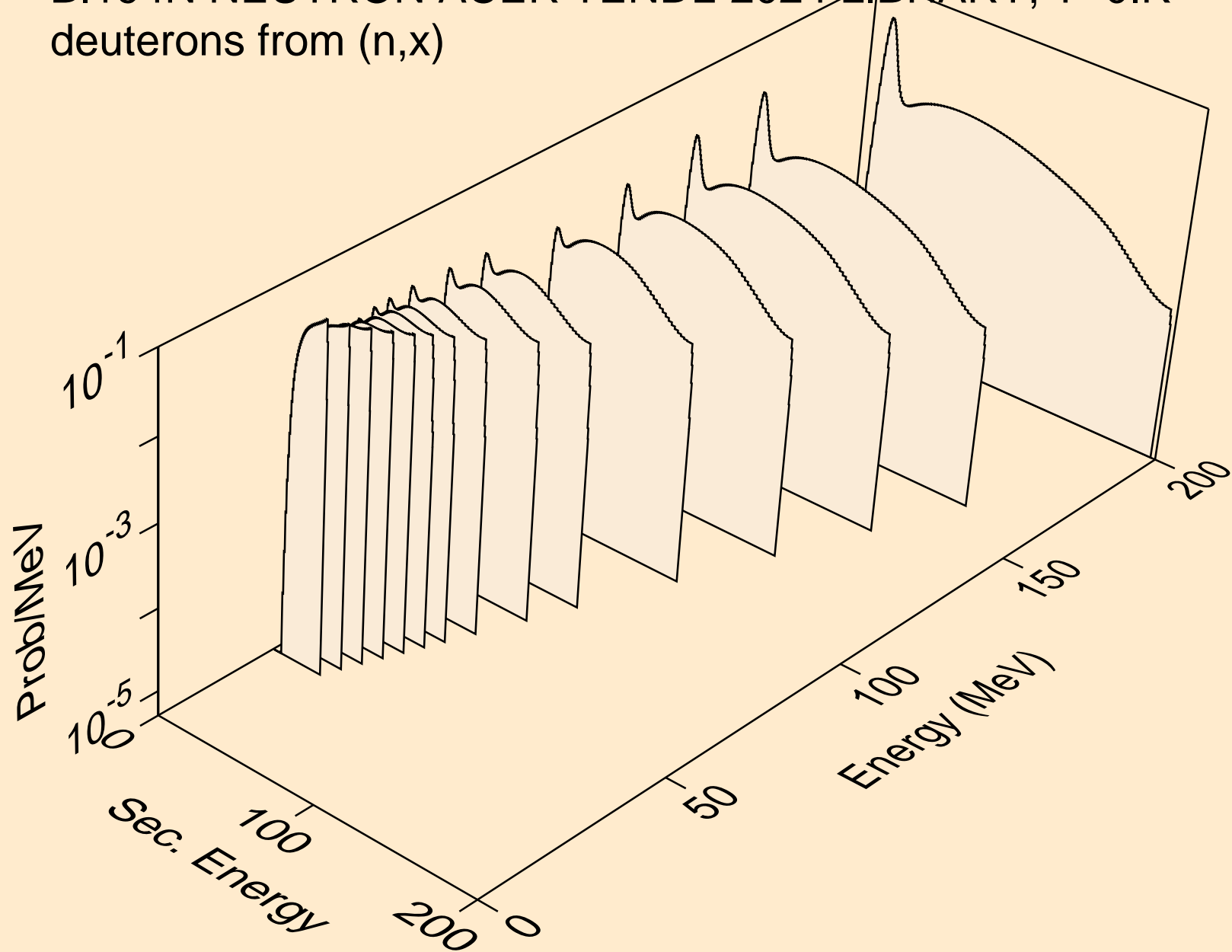
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protons from (n,pd)



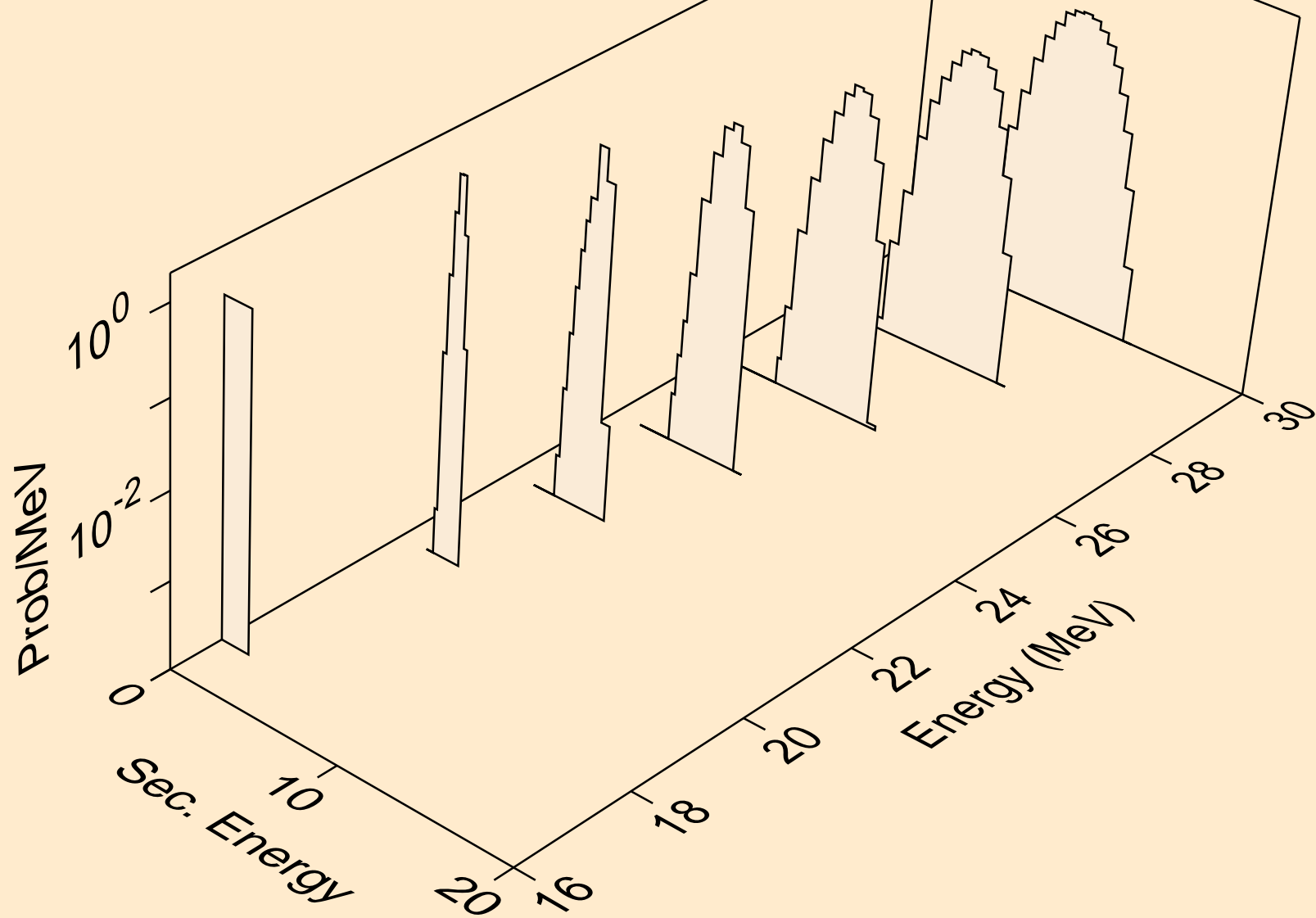
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protons from (n,pt)



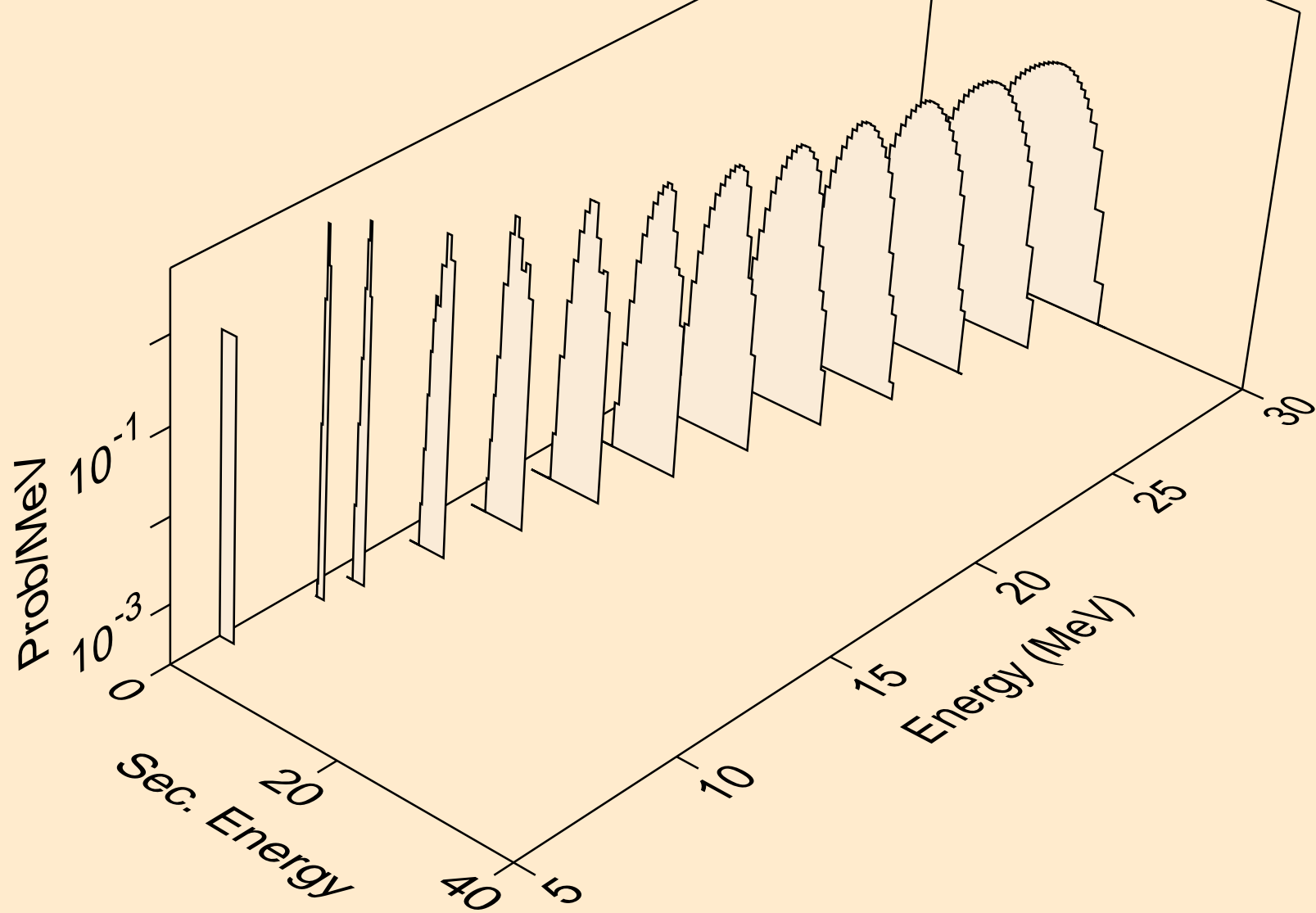
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deuterons from (n,x)



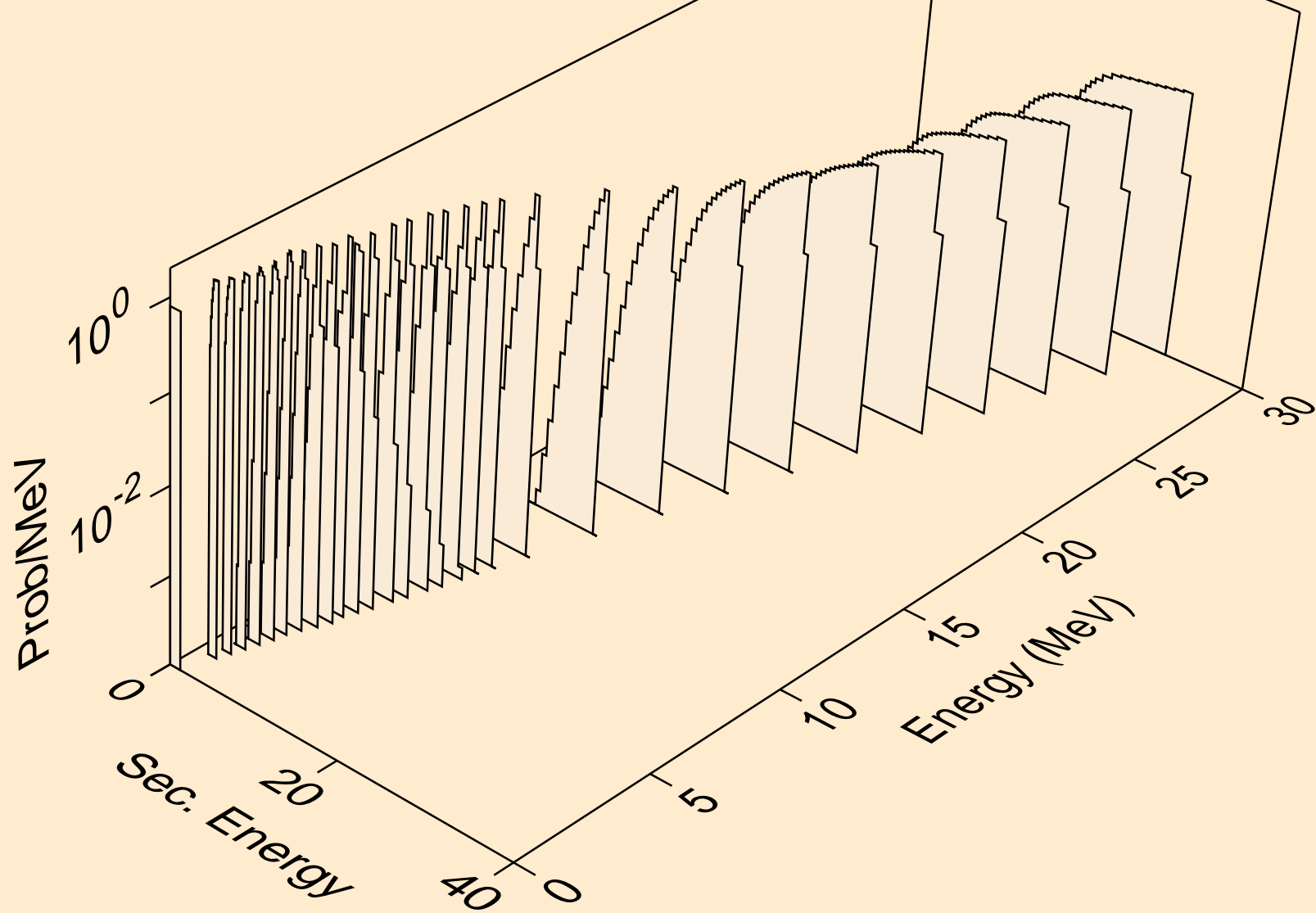
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deuterons from (n,2nd)



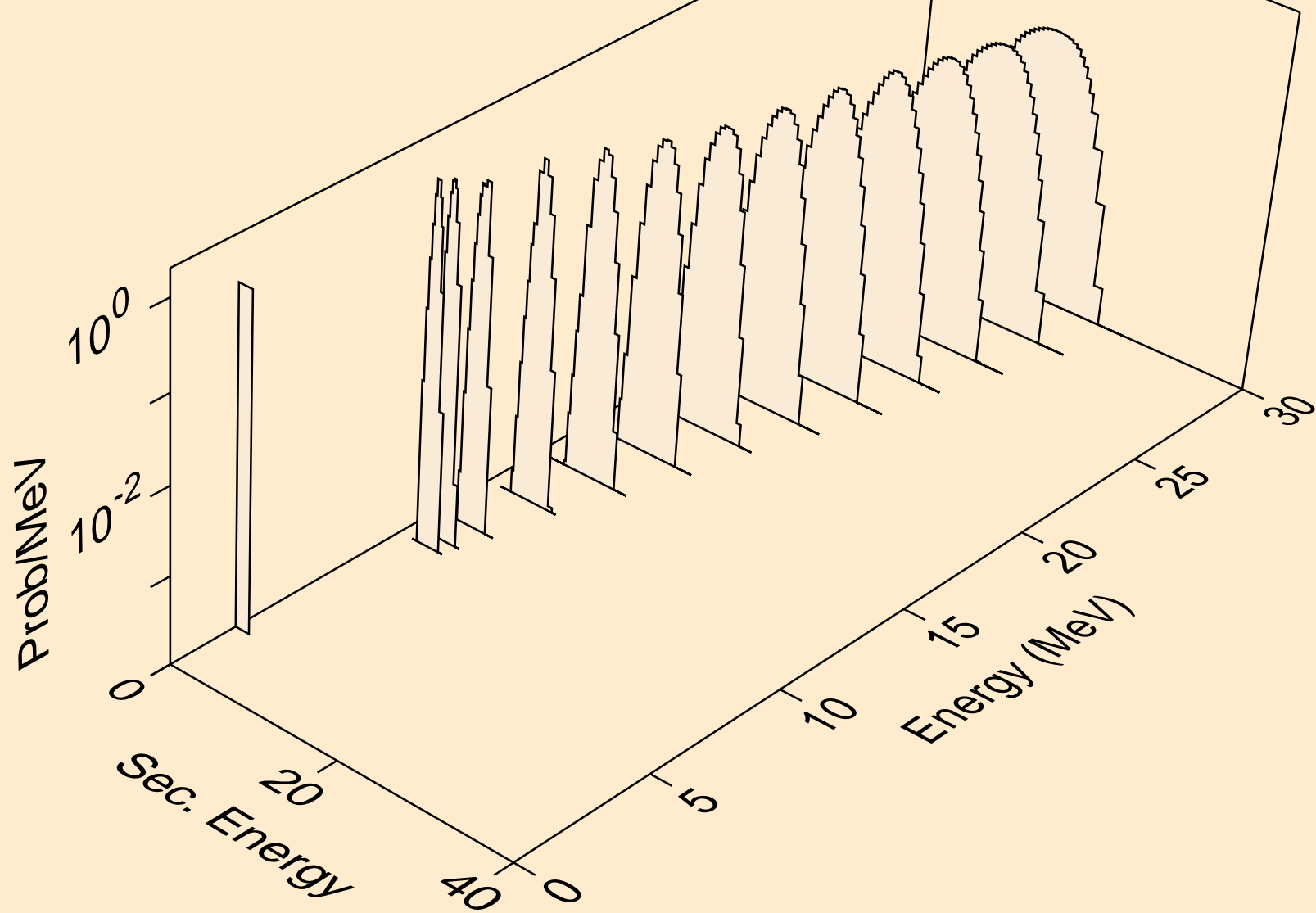
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deuterons from (n,n\*)d



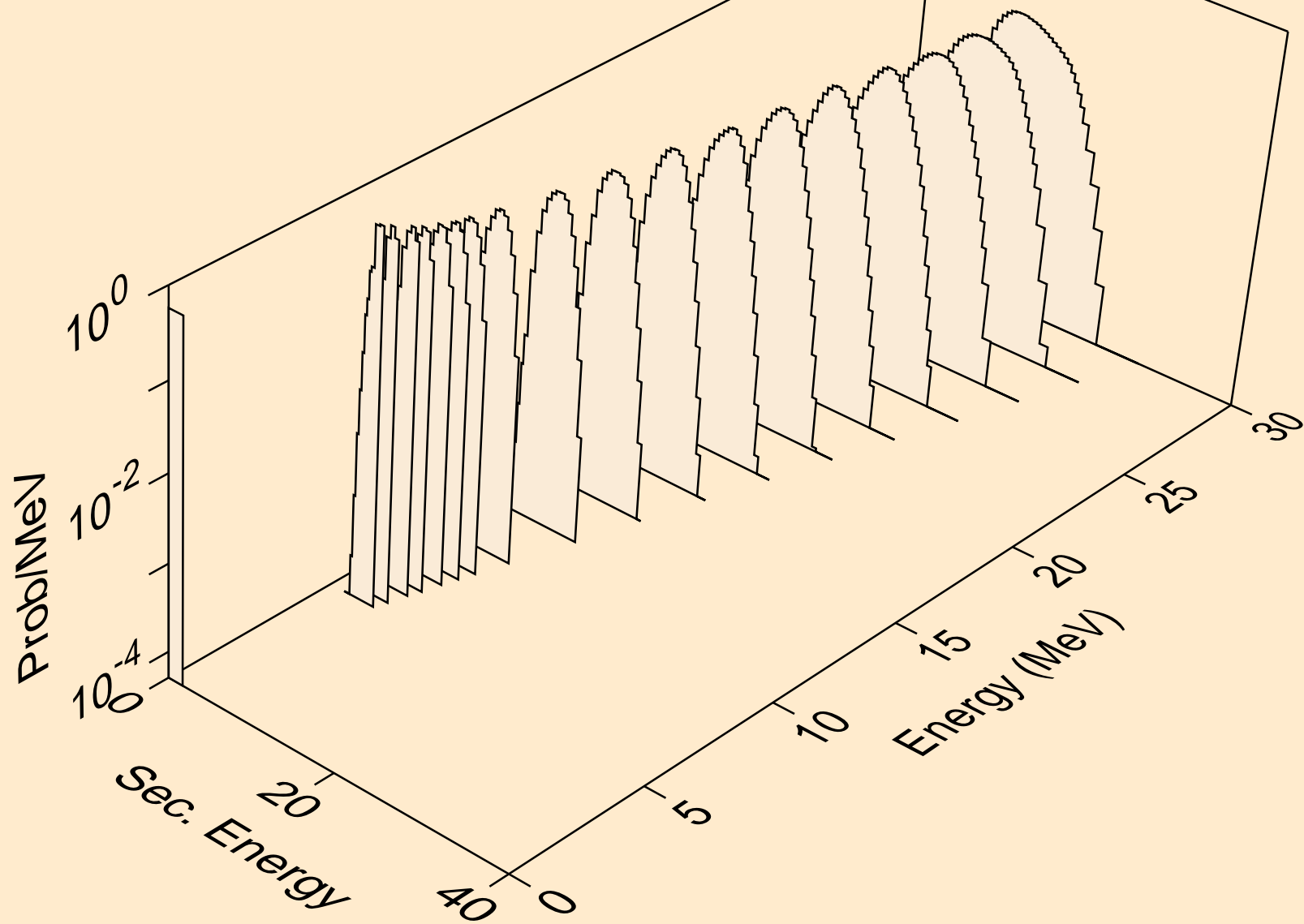
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deuterons from (n,d)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)

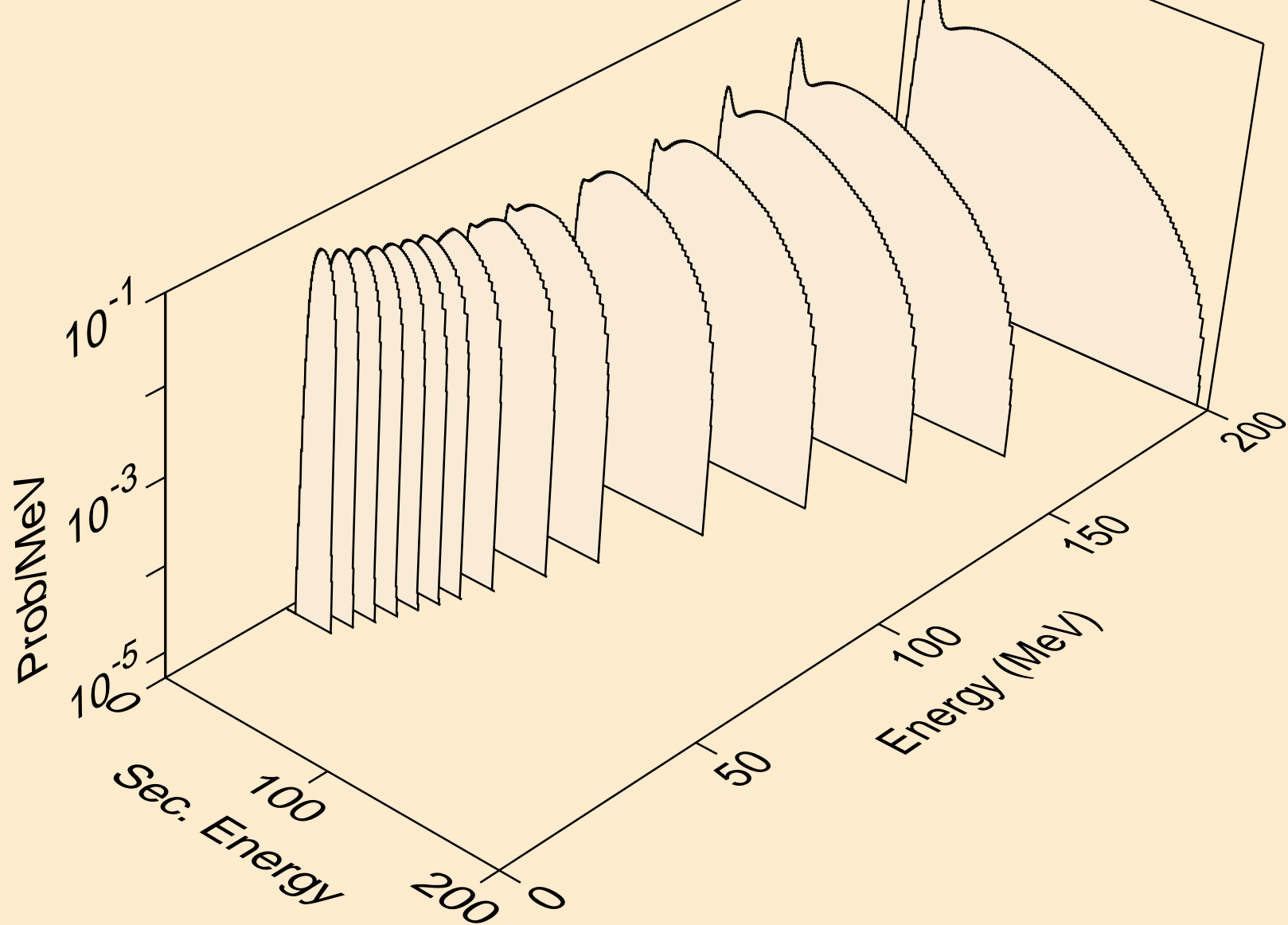


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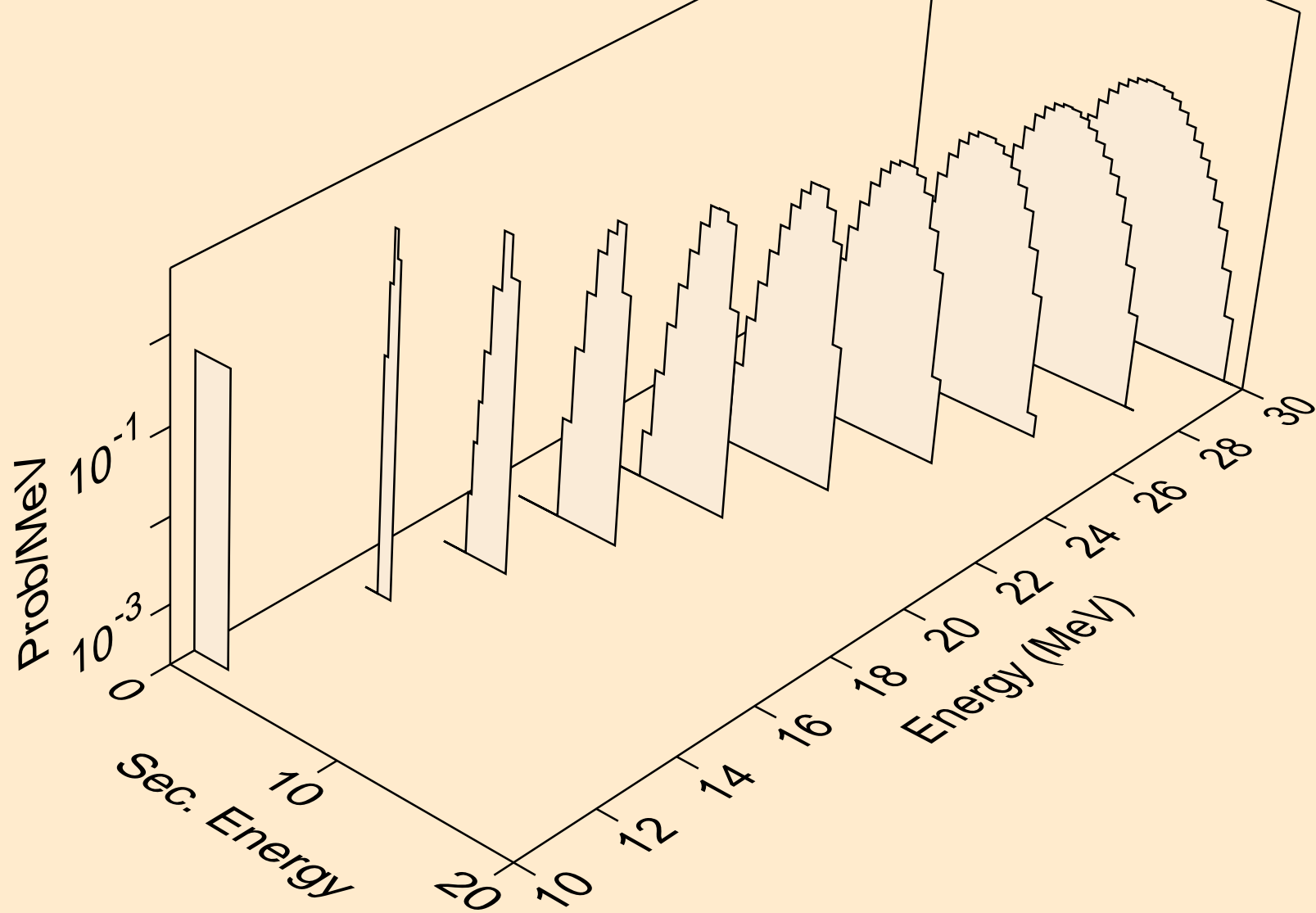




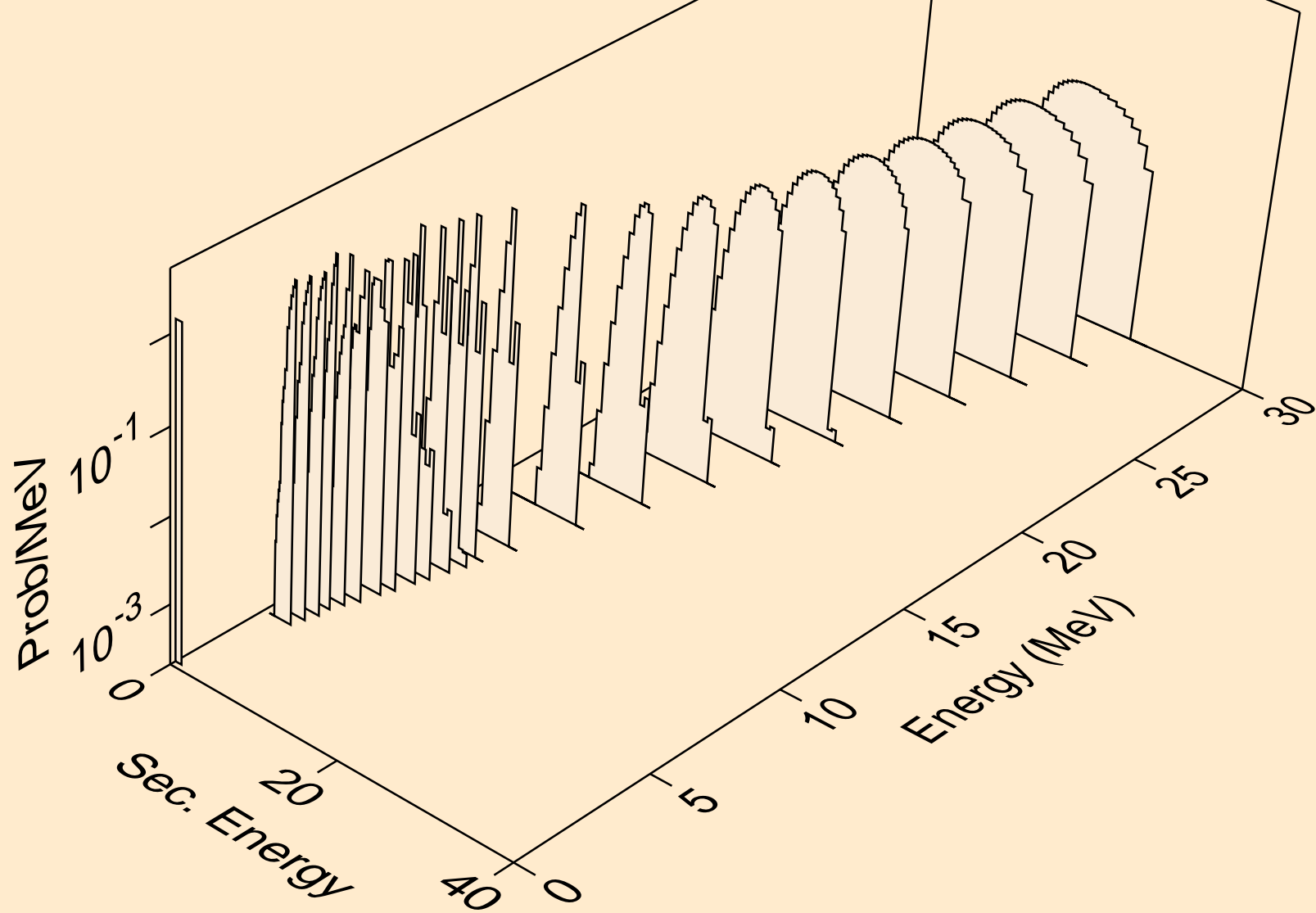
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tritons from (n,x)



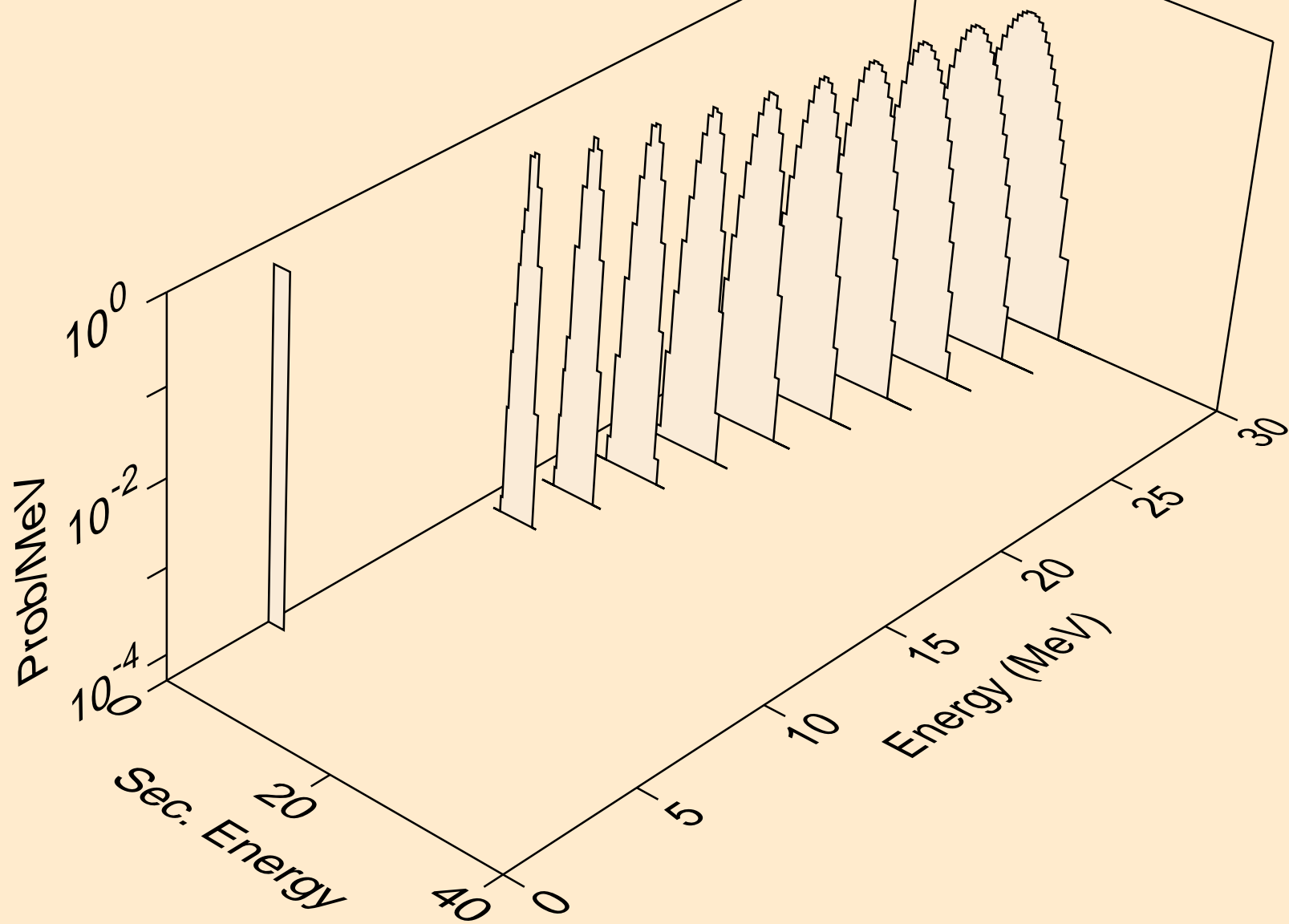
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tritons from (n,n\*)t



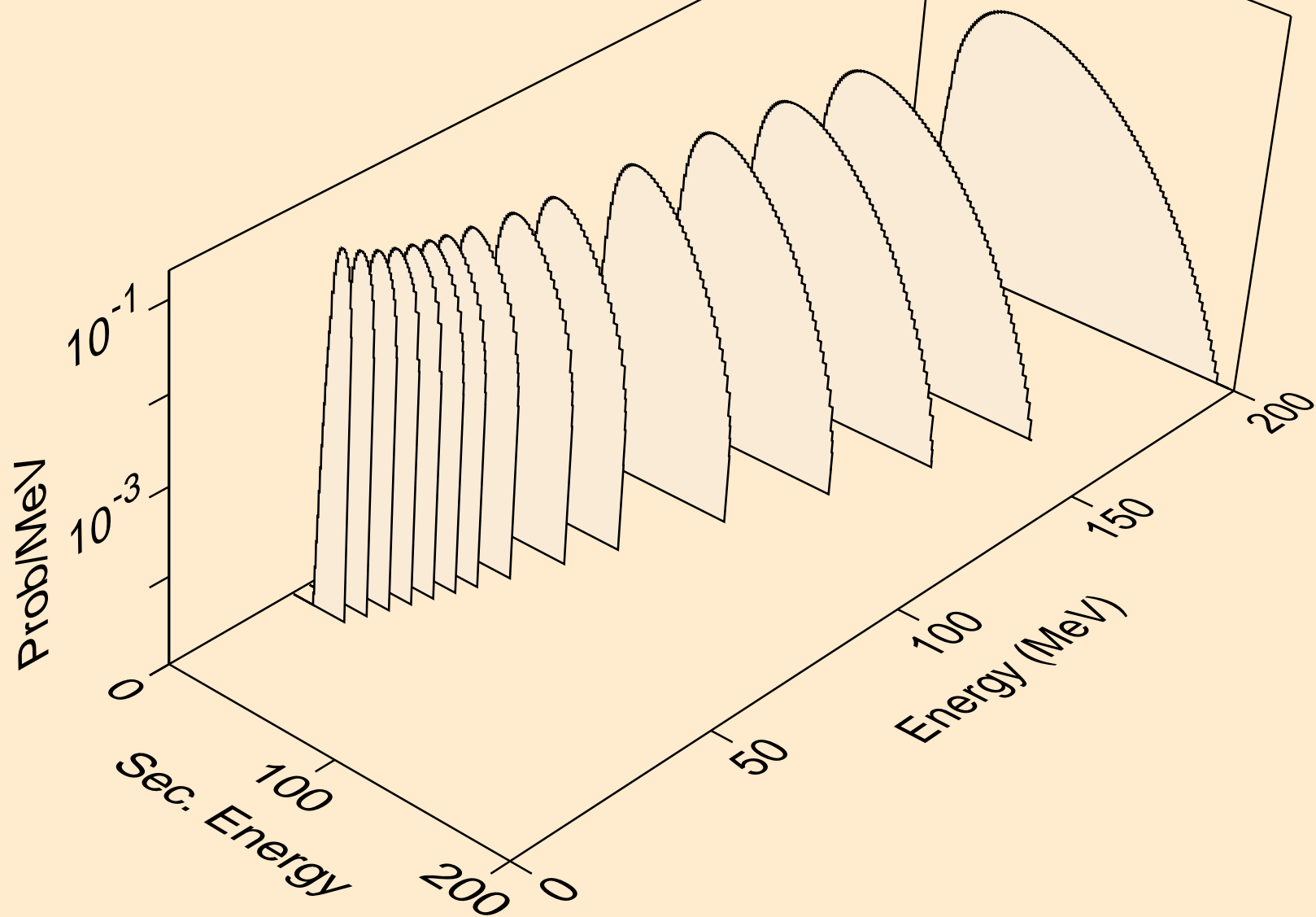
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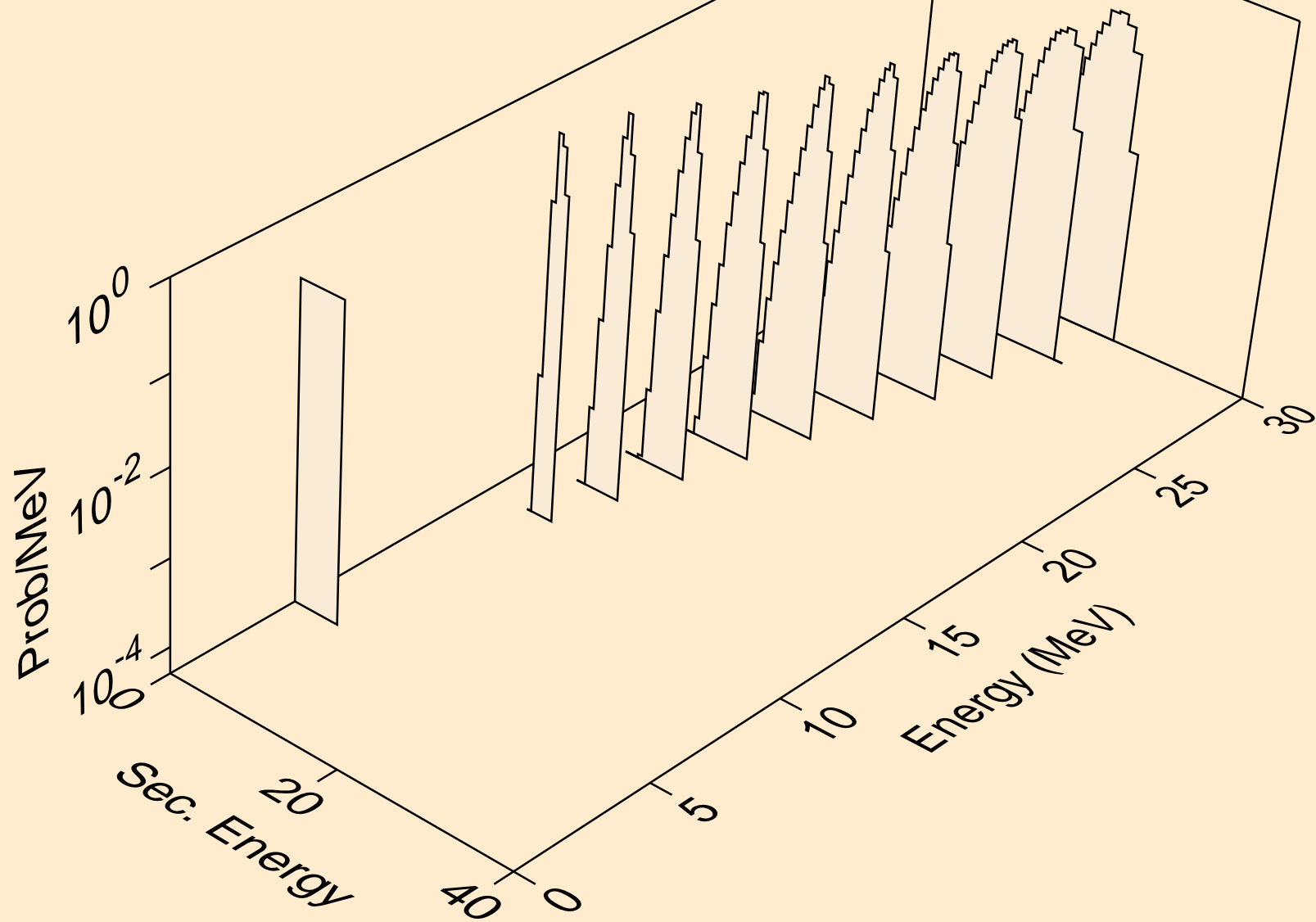
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tritons from (n,pt)



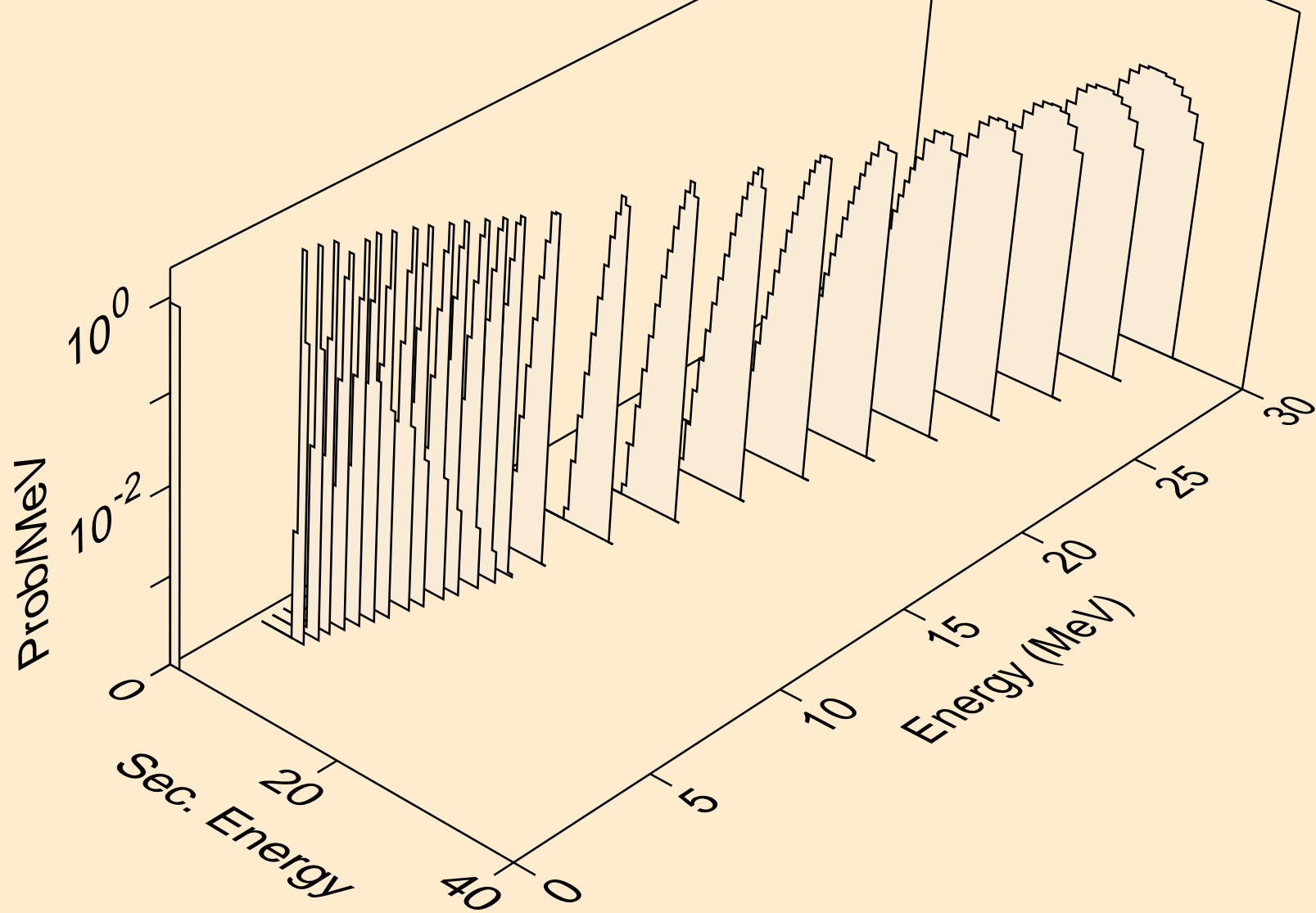
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he3s from (n,x)



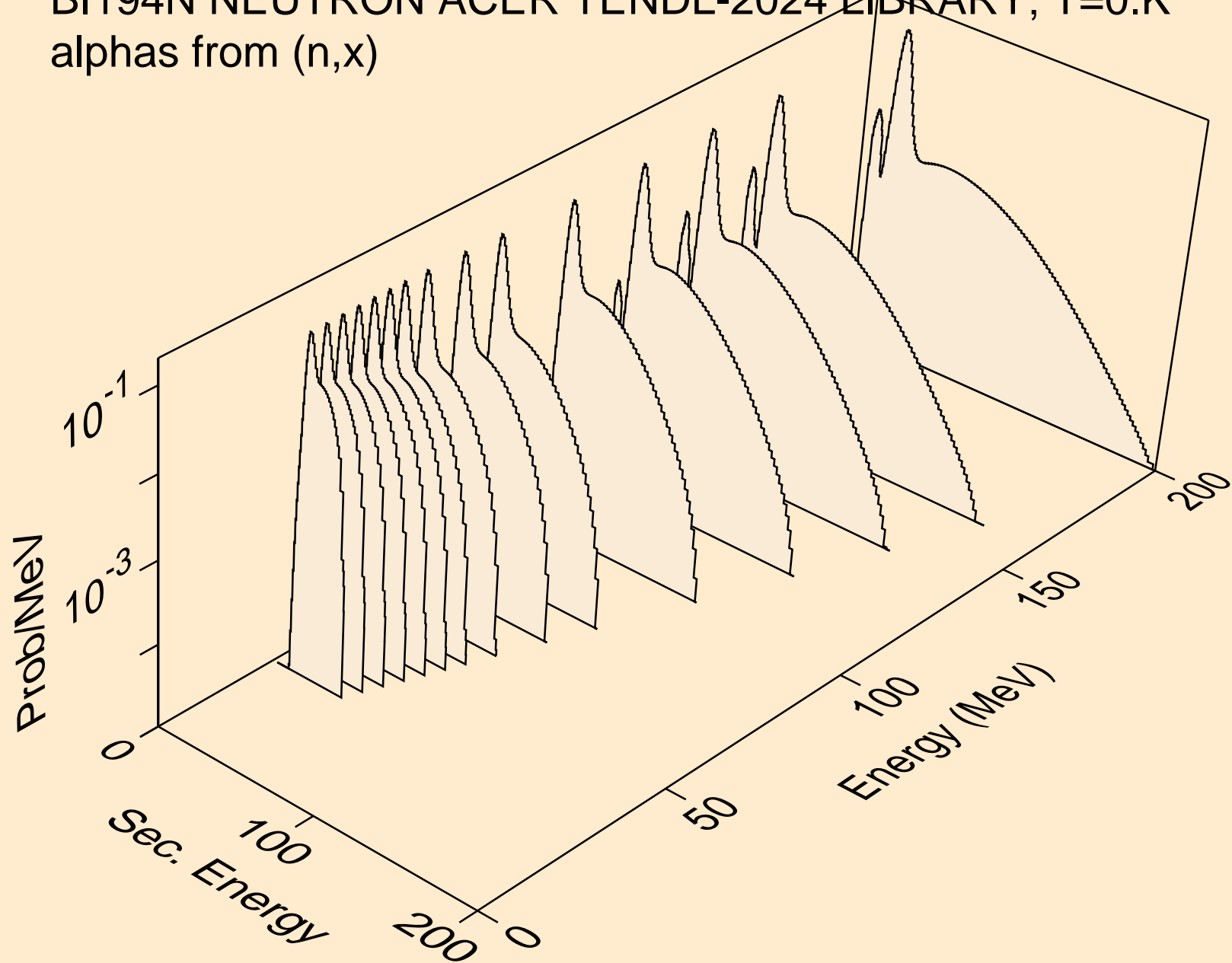
BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)

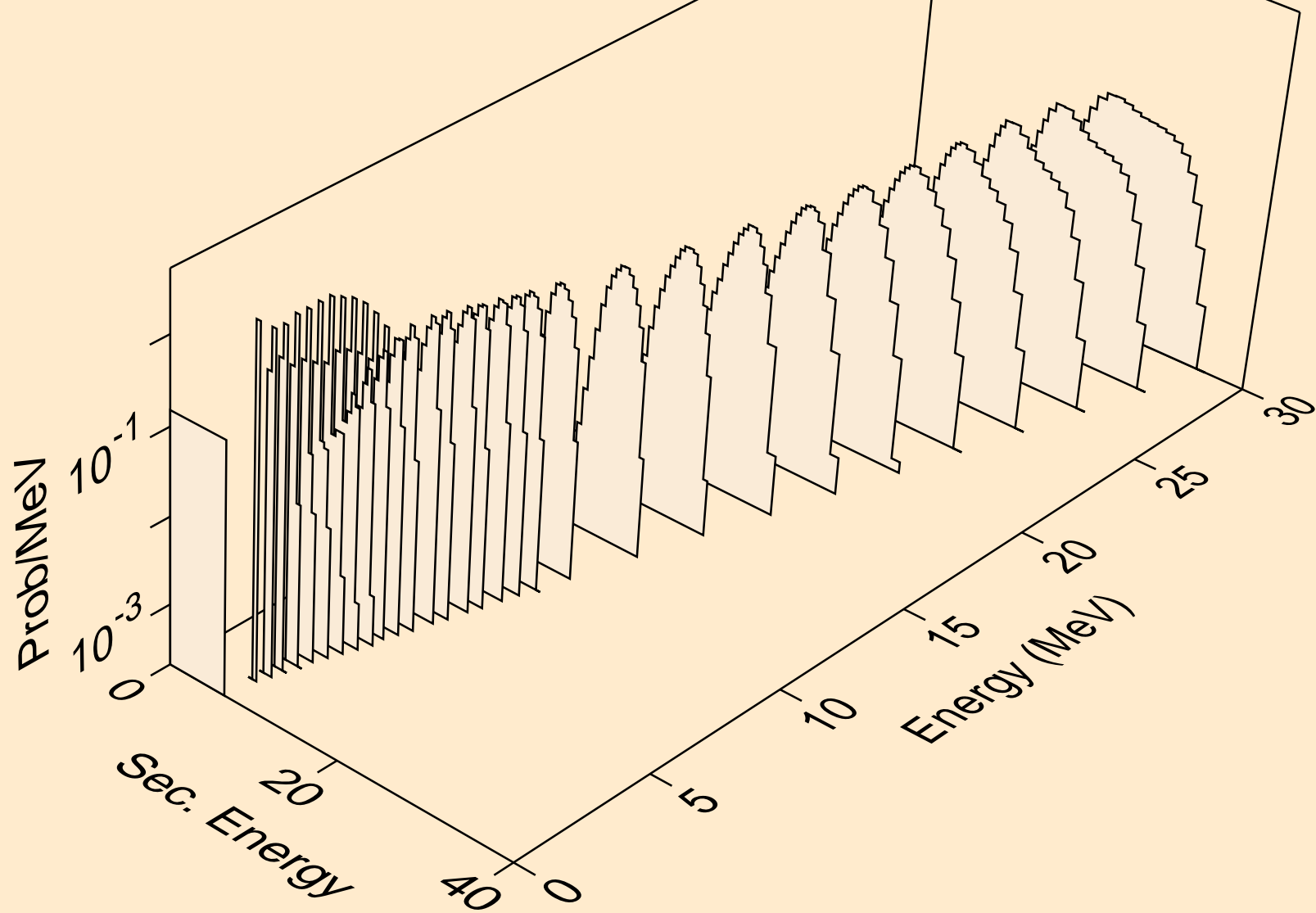


BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

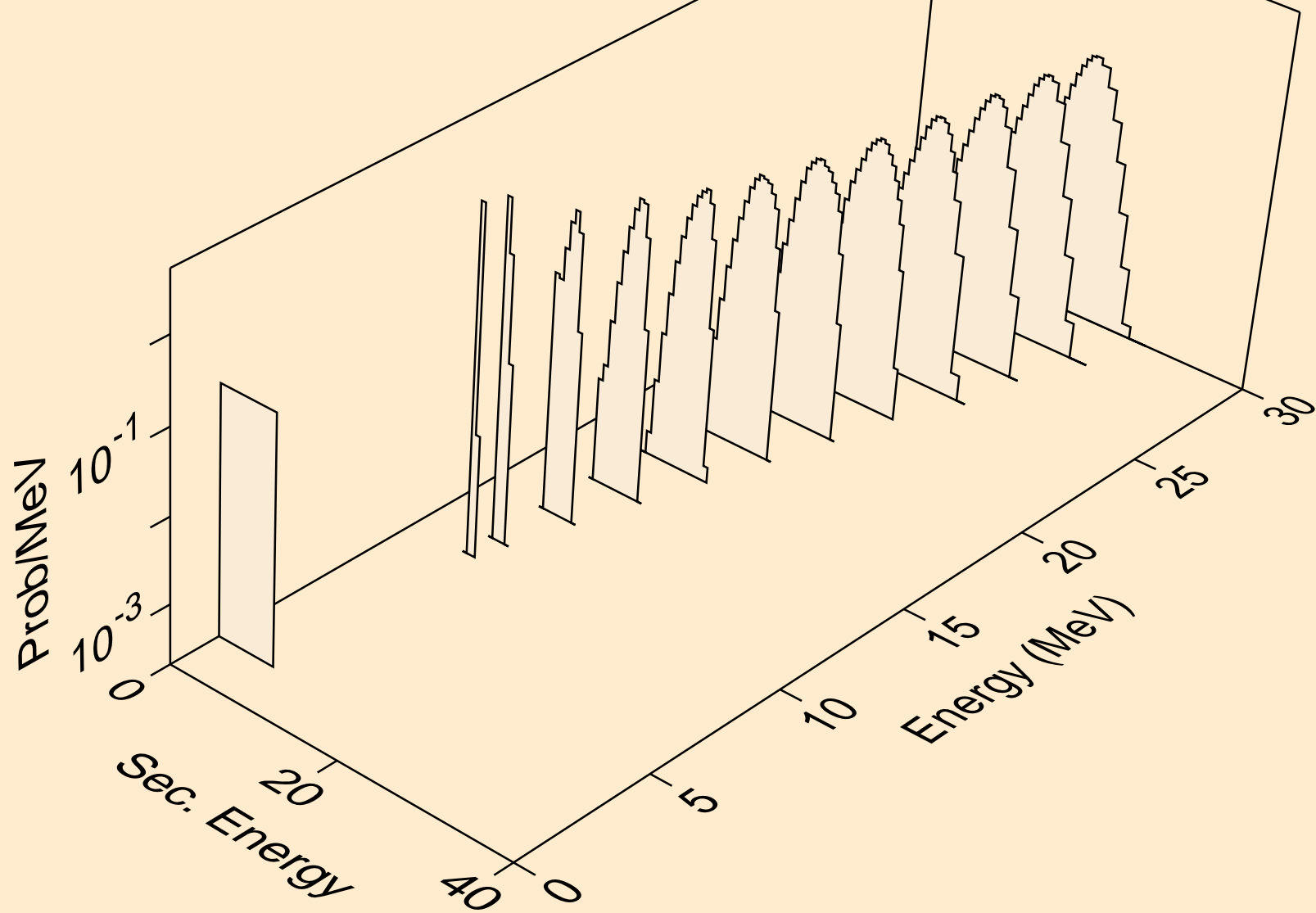




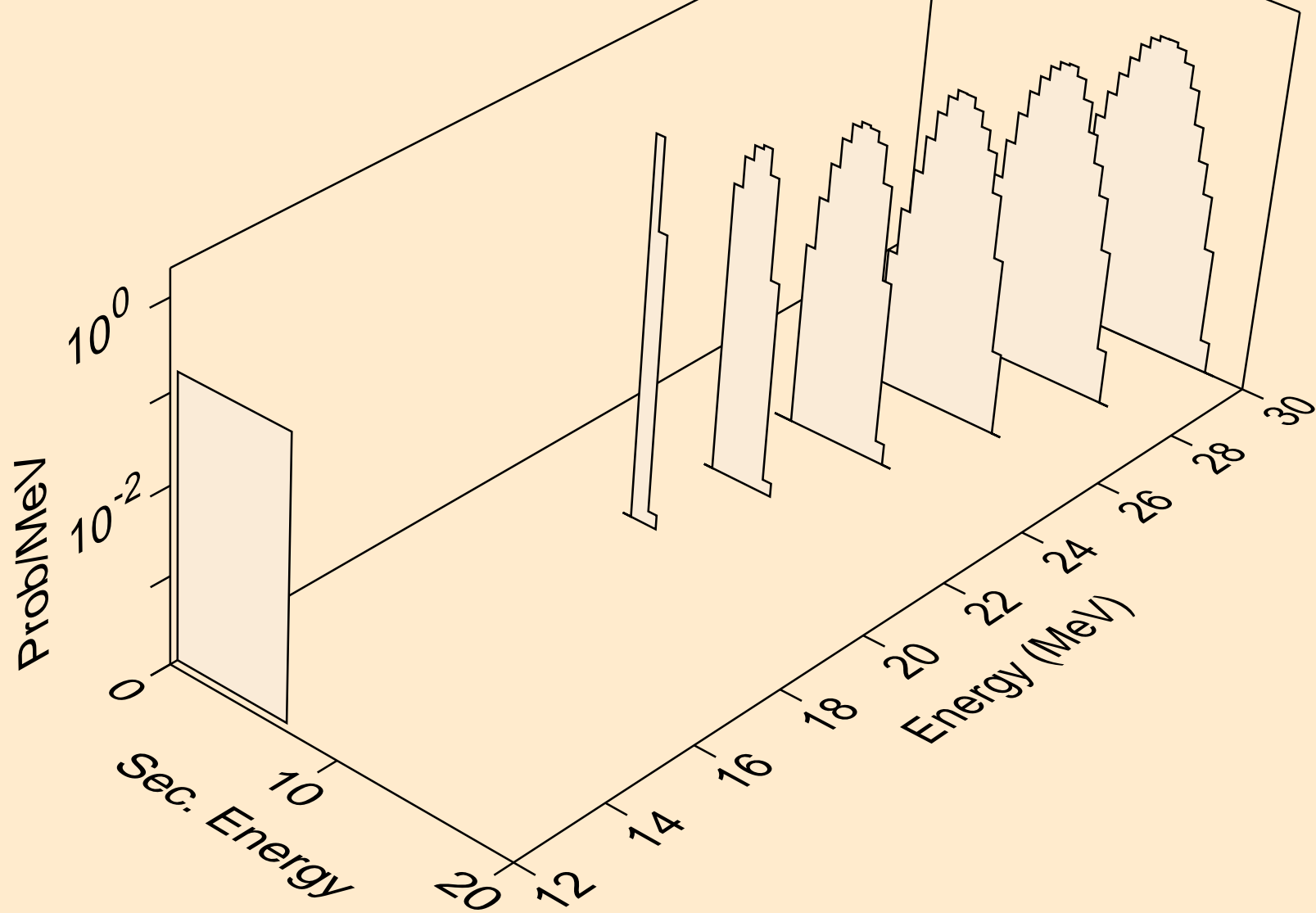
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alphas from (n,n\*)a



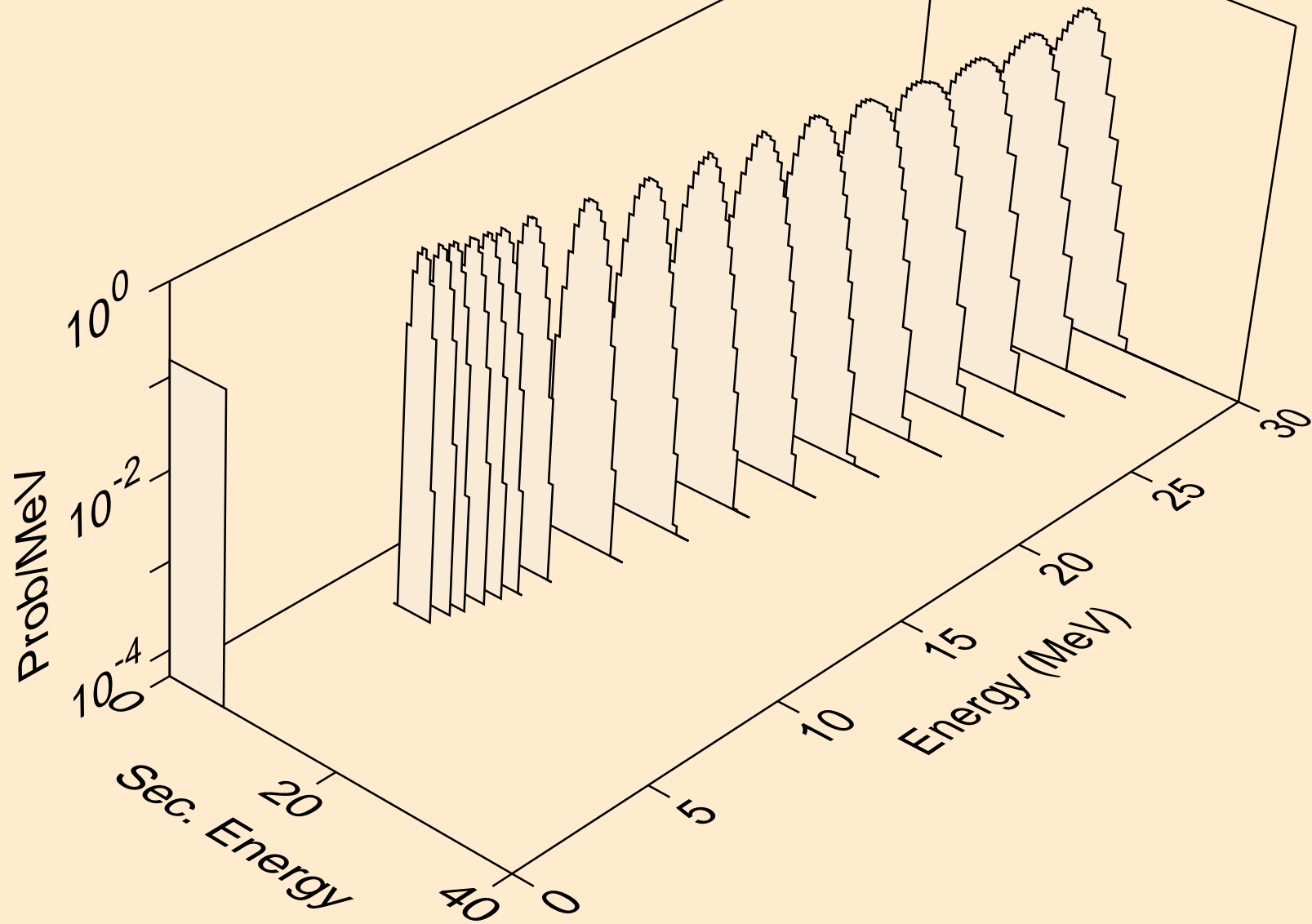
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alphas from (n,2n)a



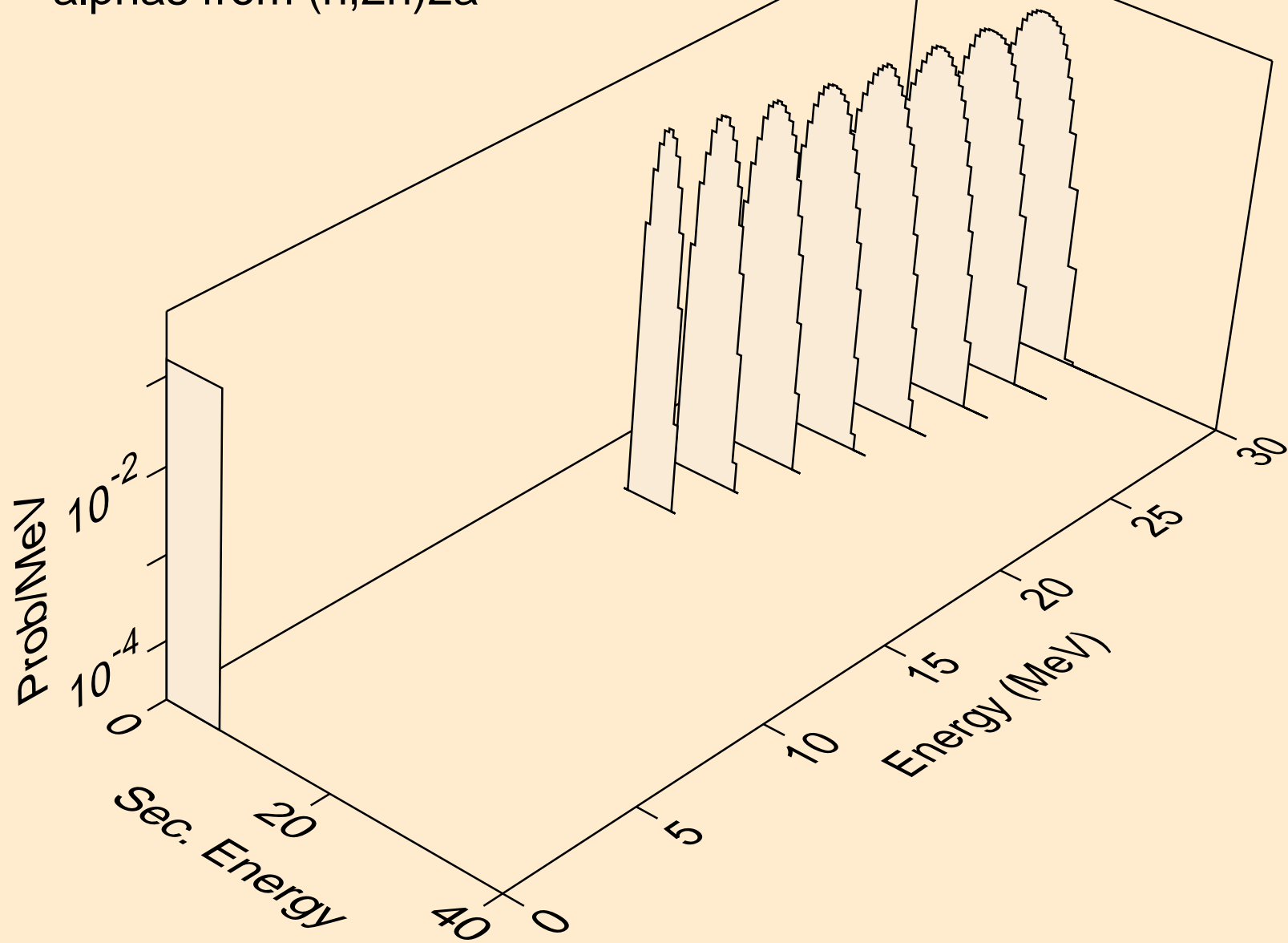
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alphas from (n,3n)a



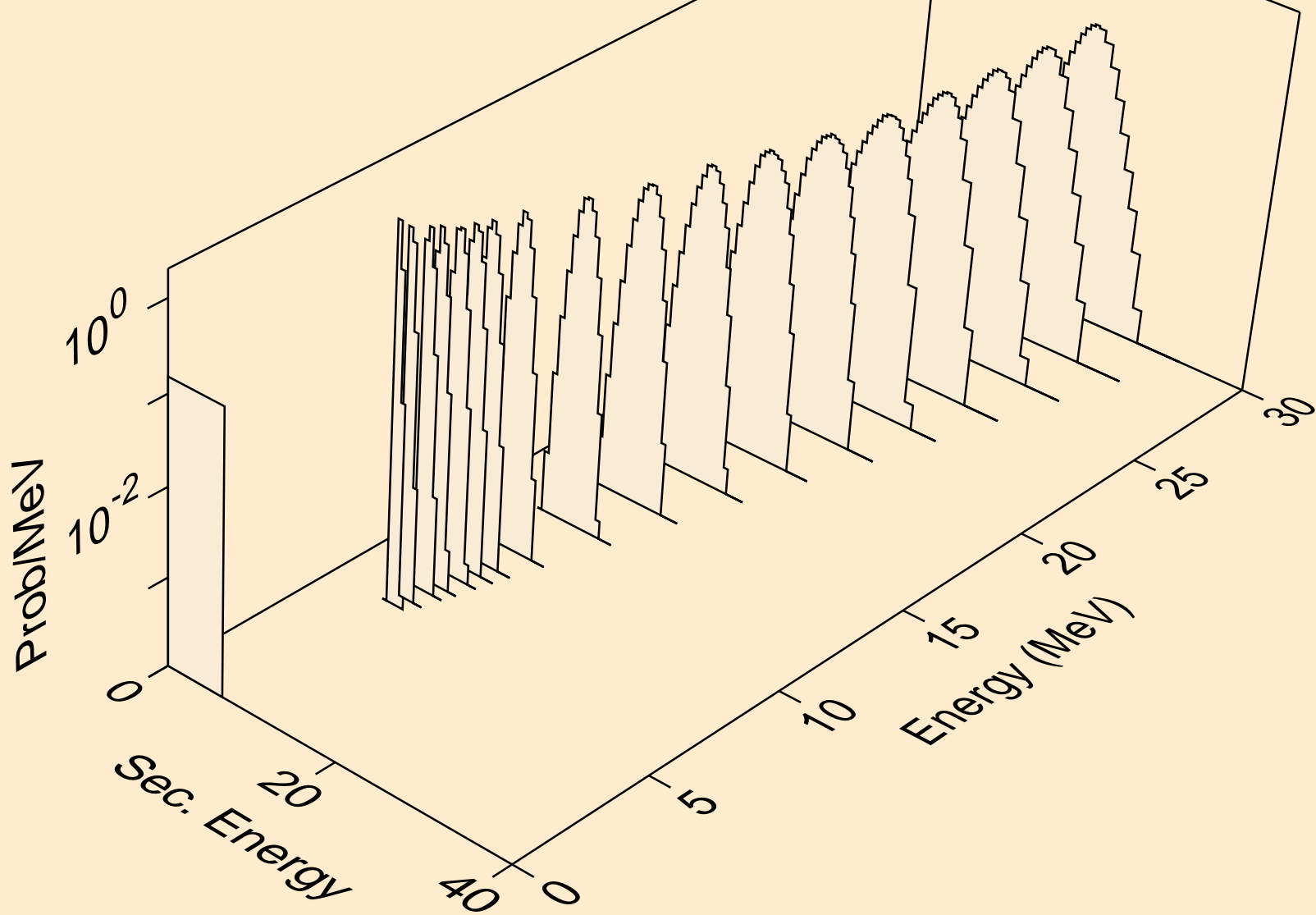
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alphas from (n,n\*)2a



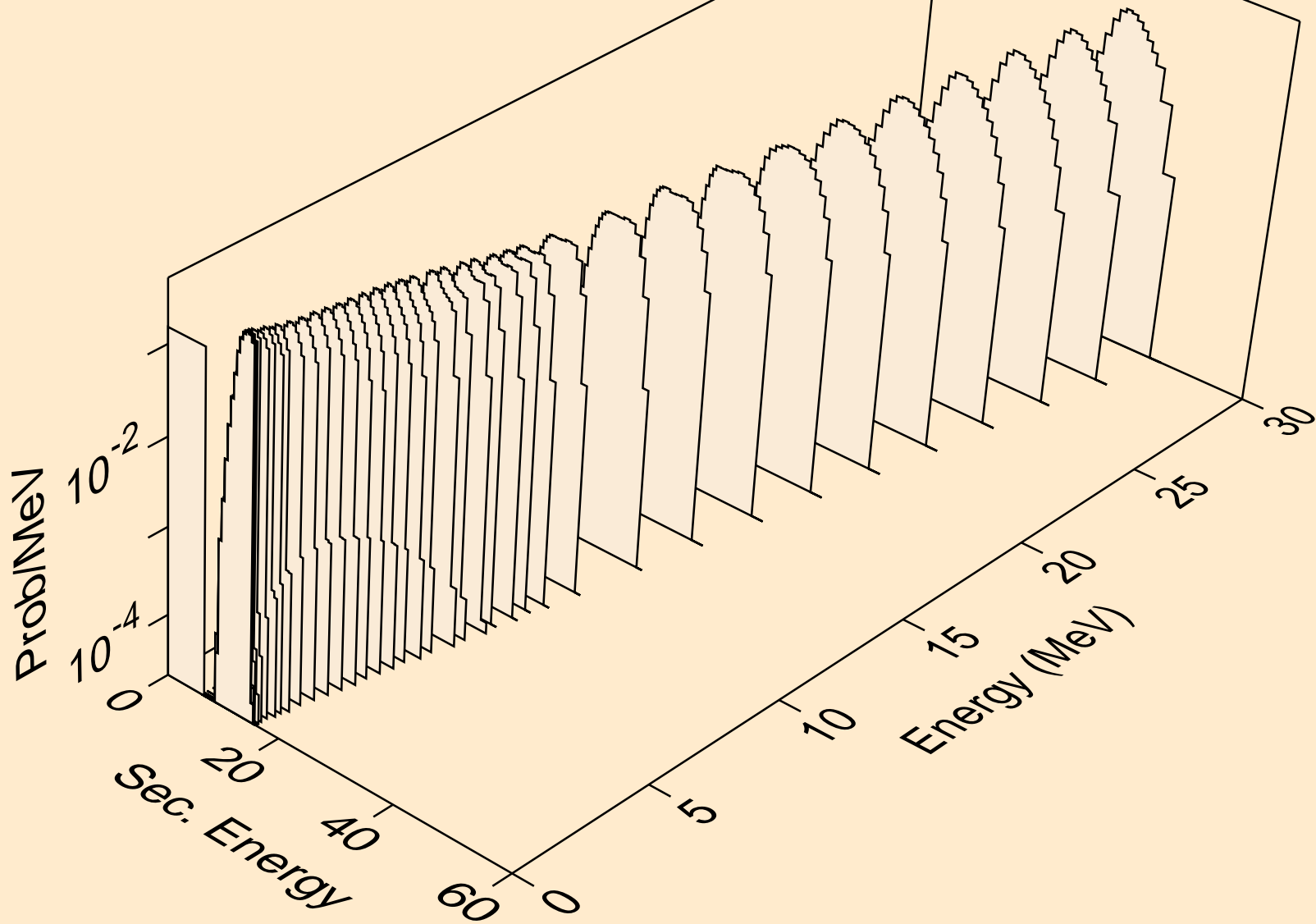
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alphas from (n,2n)2a



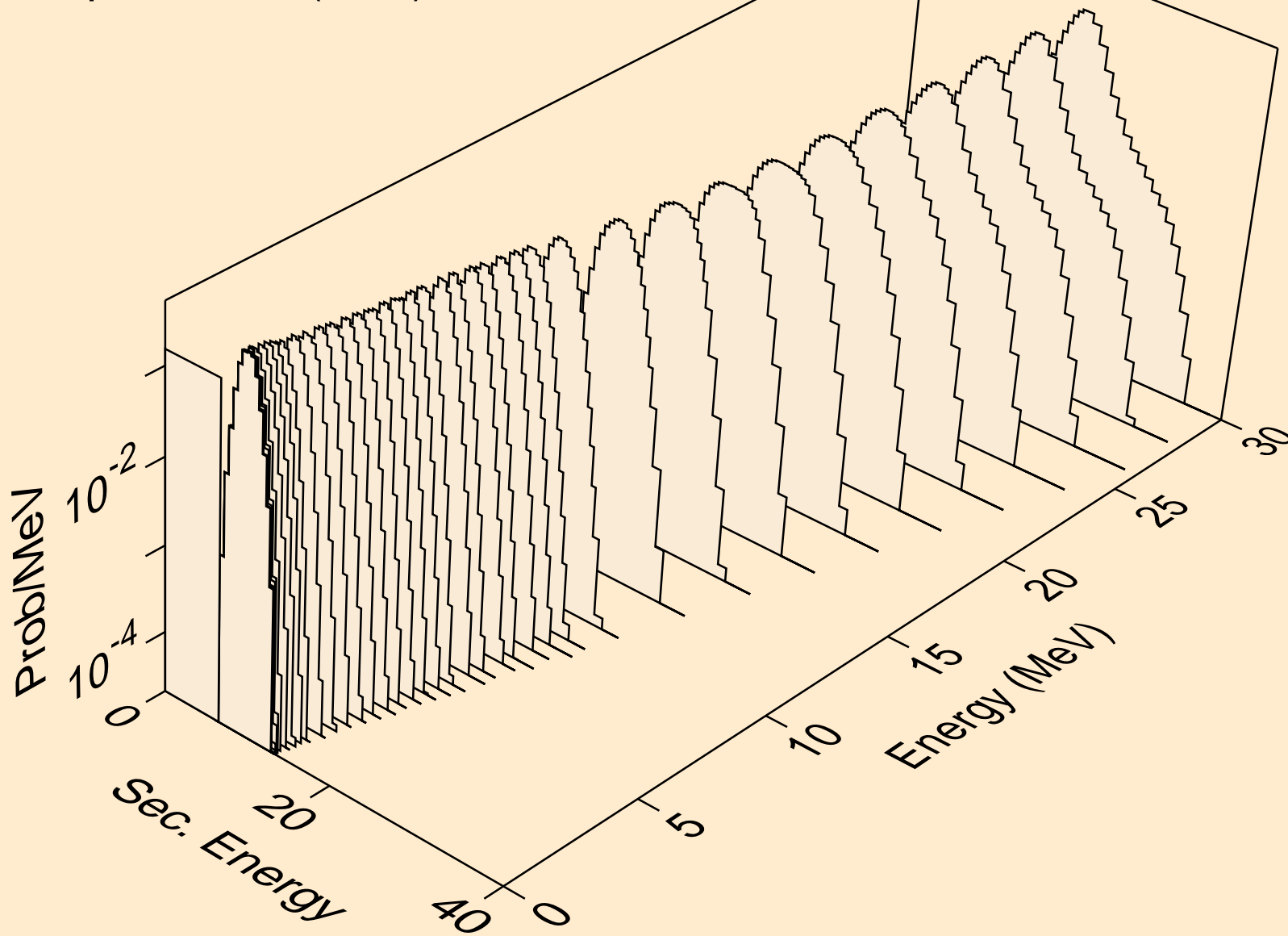
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alphas from (n,npa)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

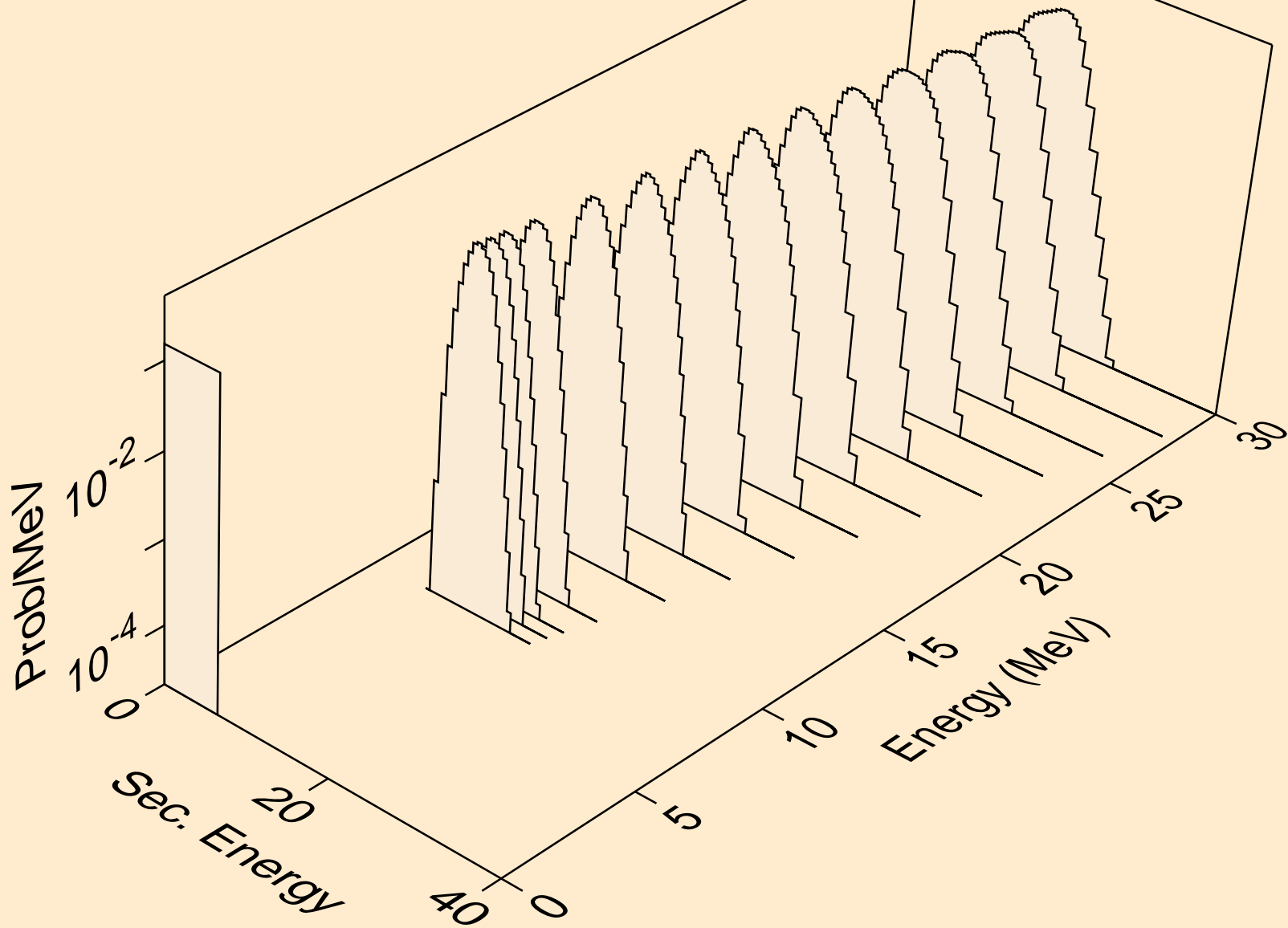


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alphas from (n,2a)

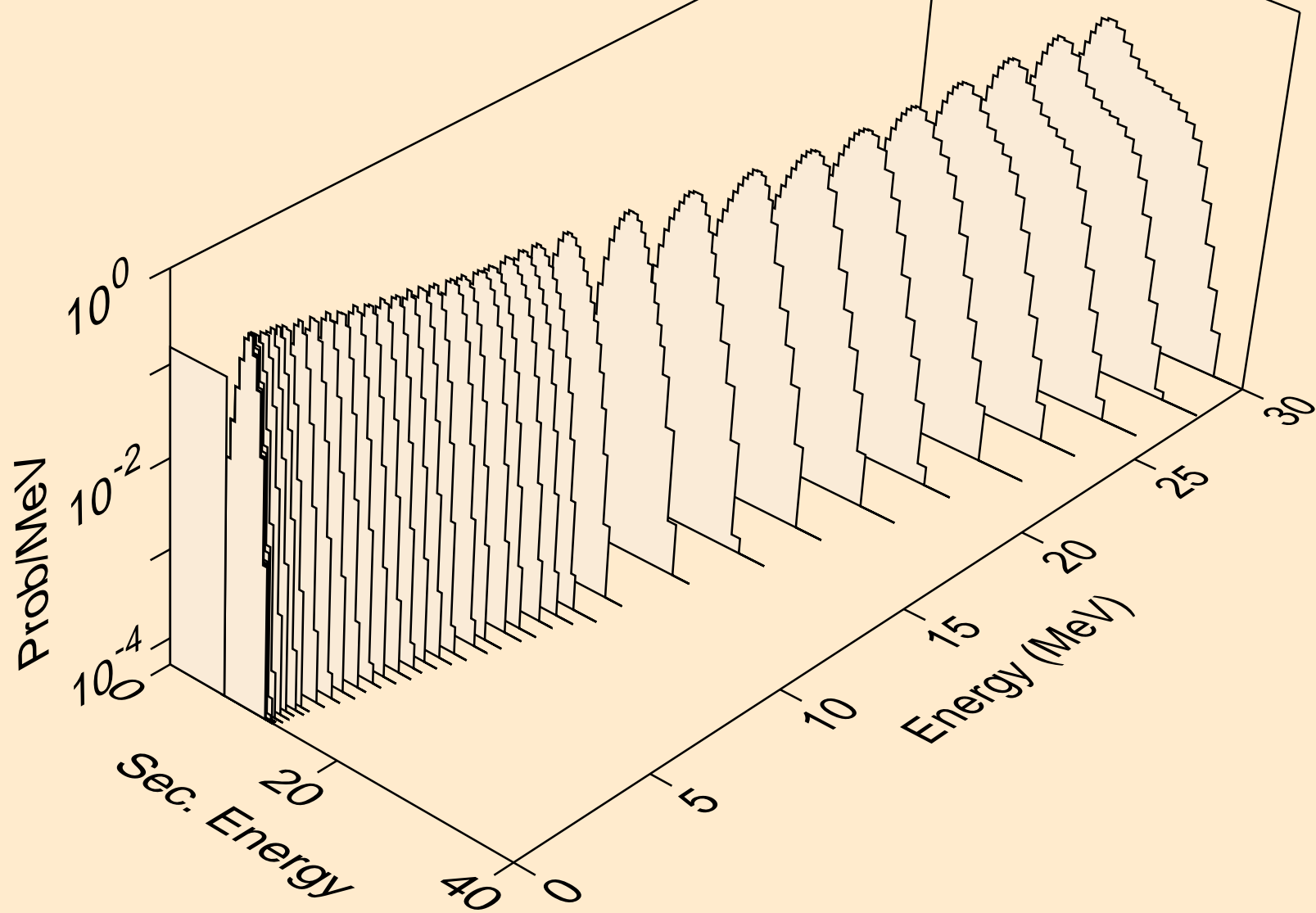




BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



BI194N NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

