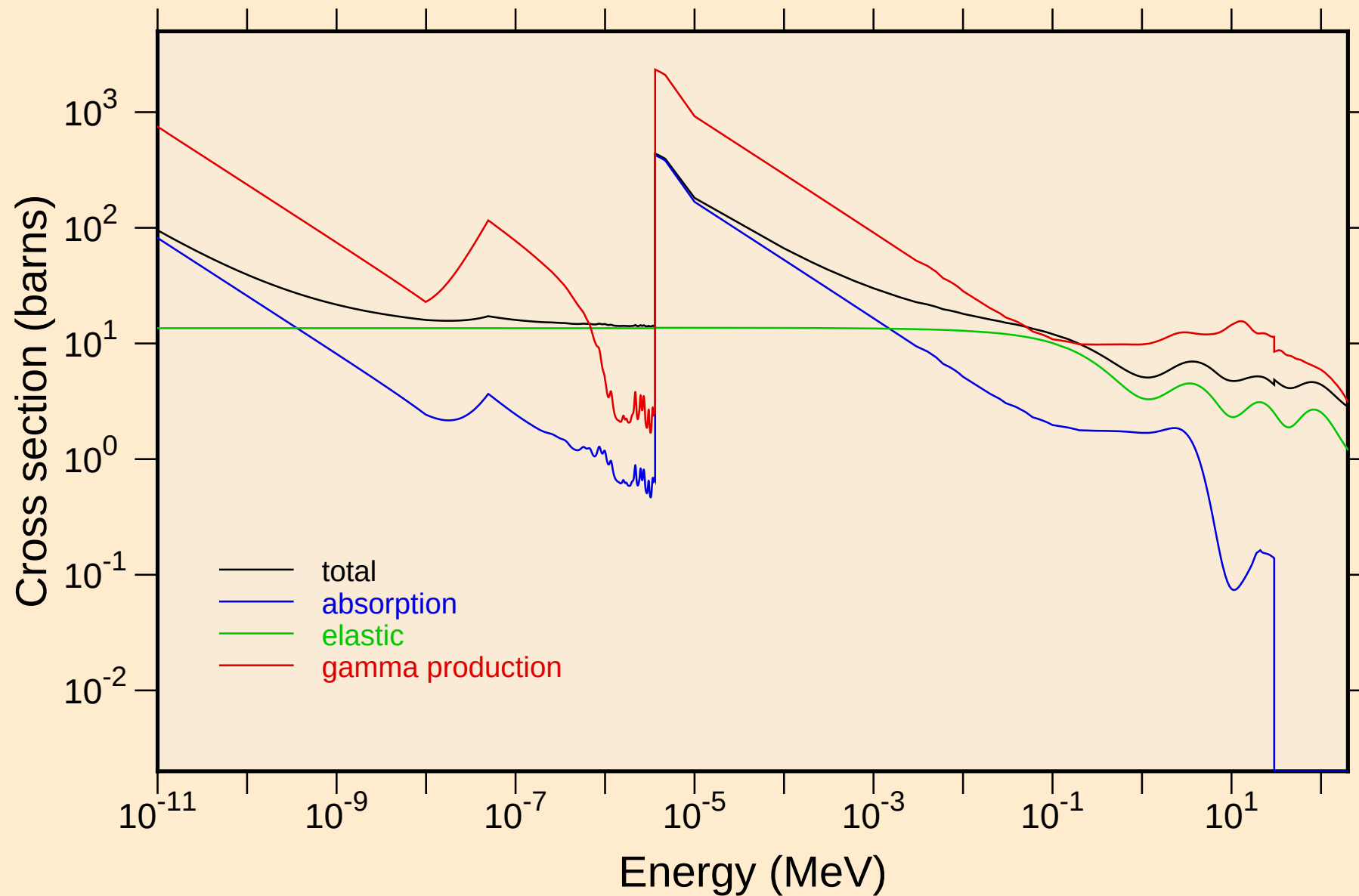
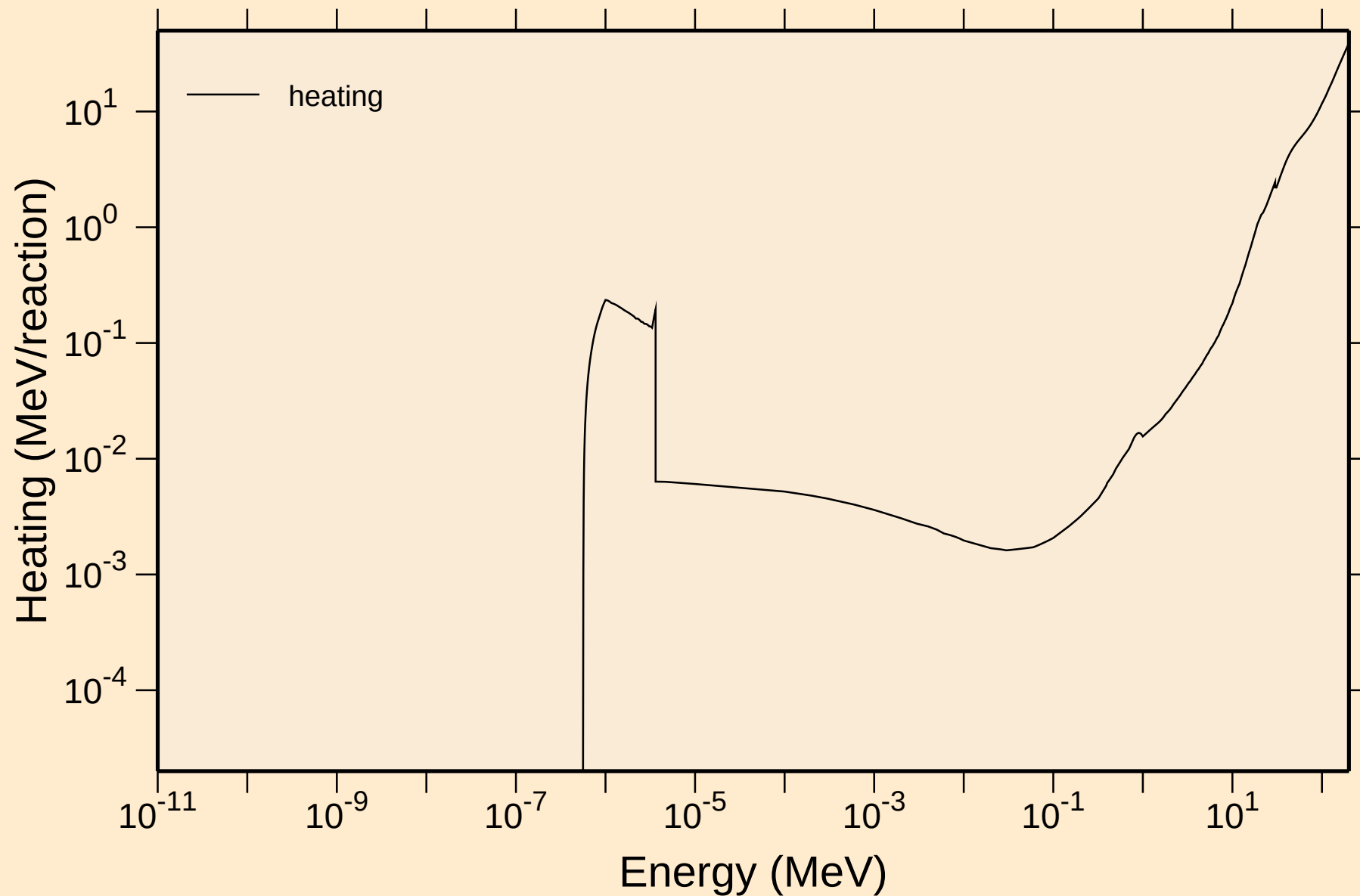


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



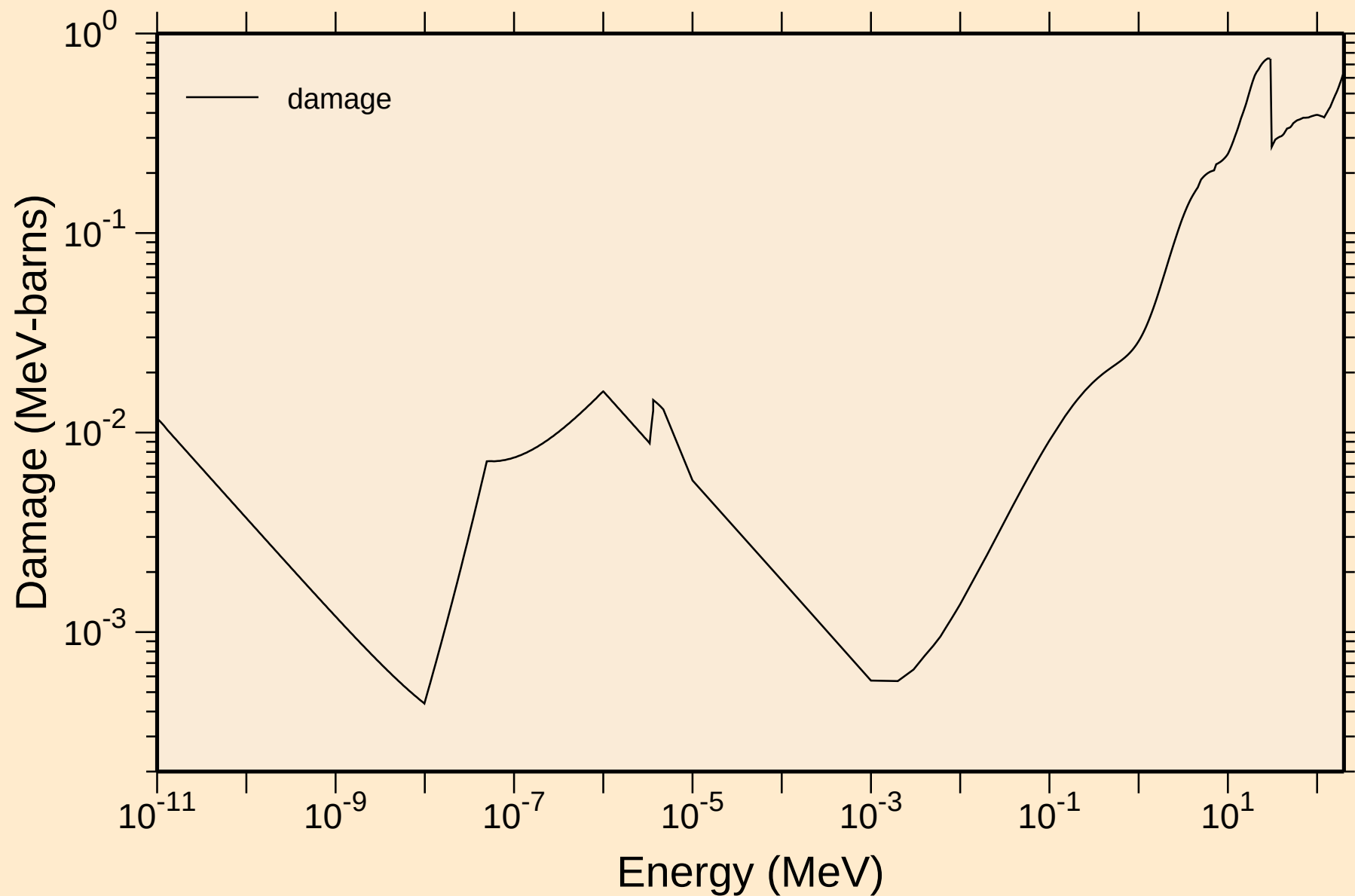
# TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

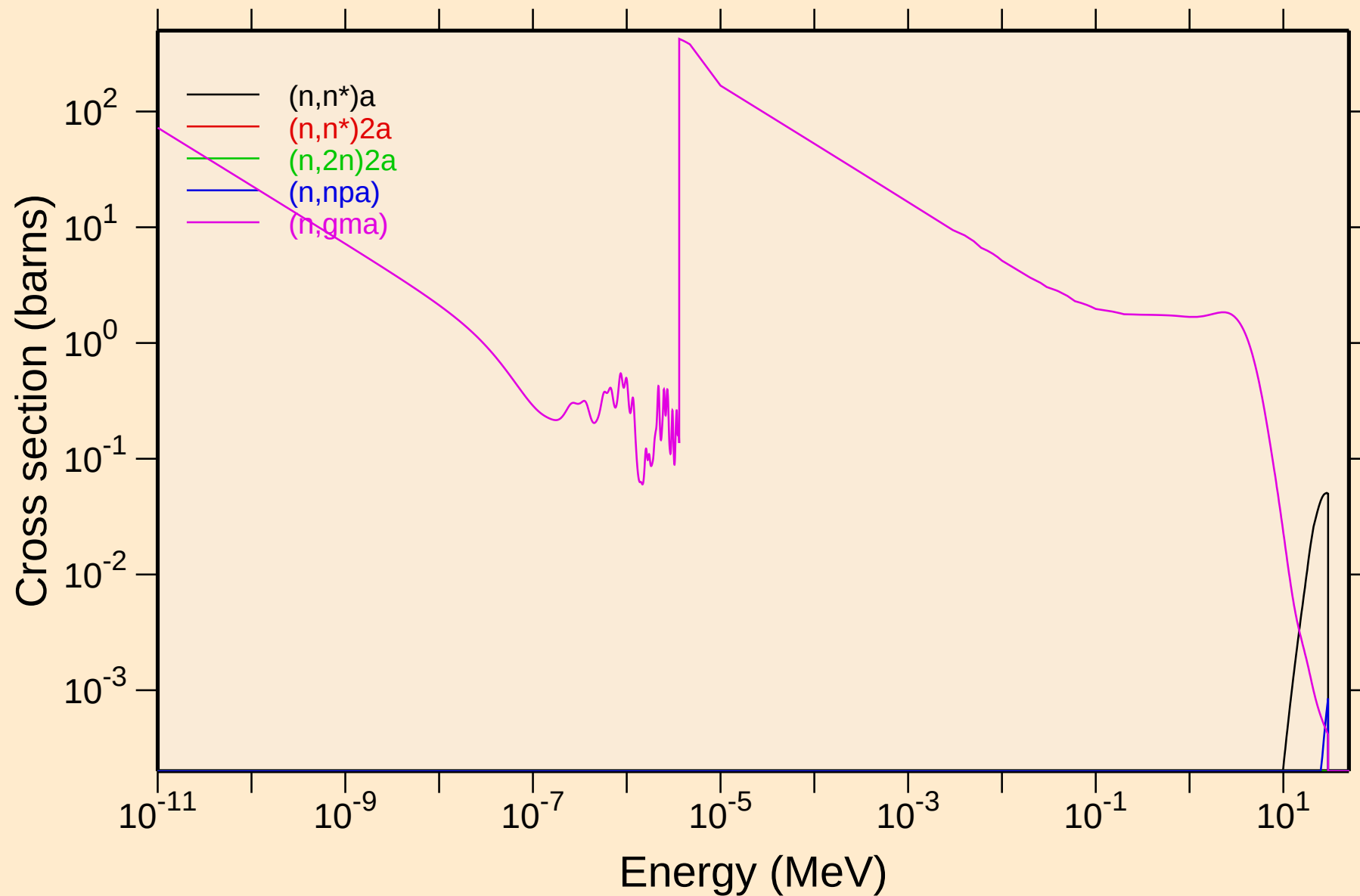


# TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

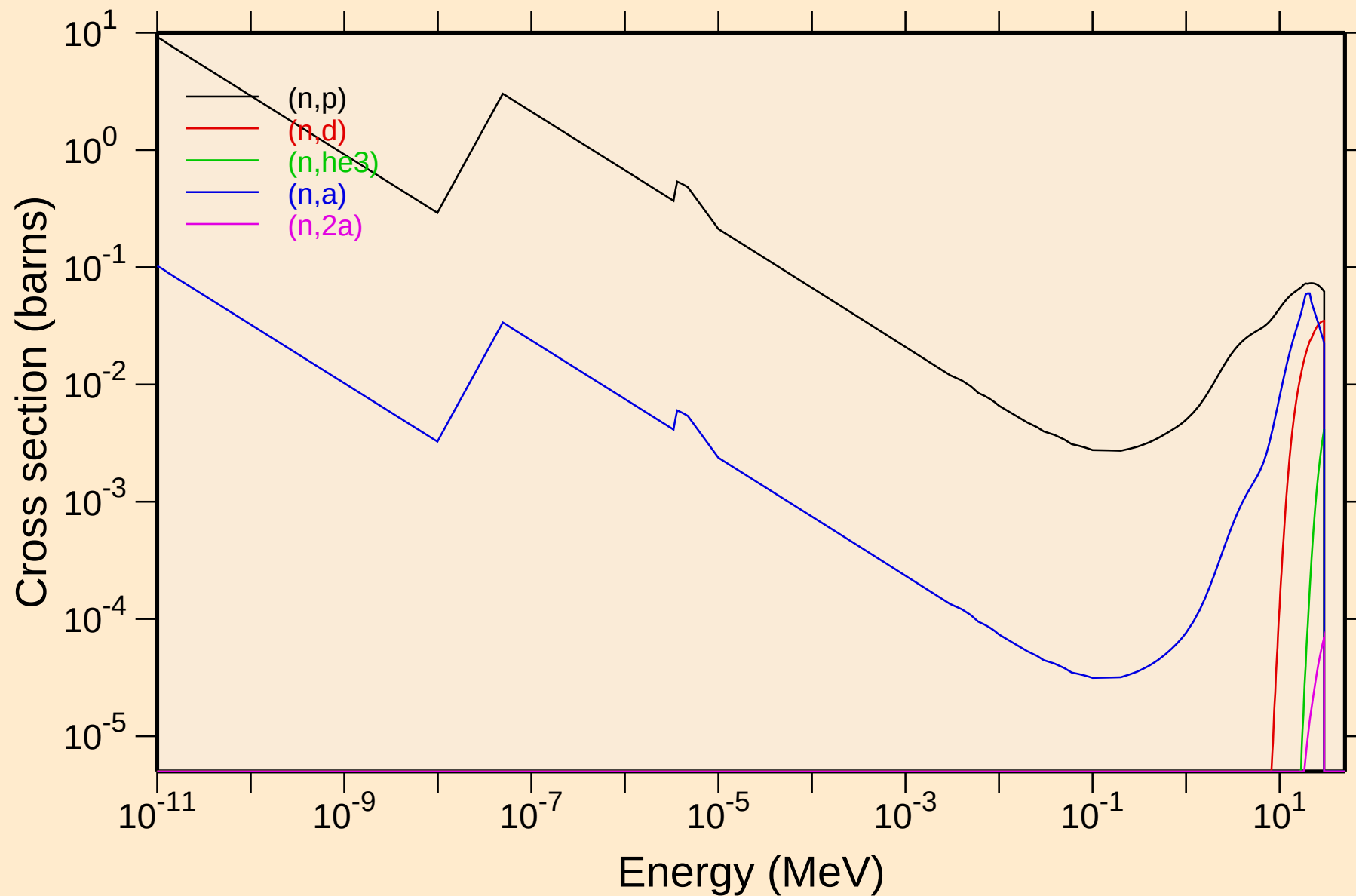
Damage



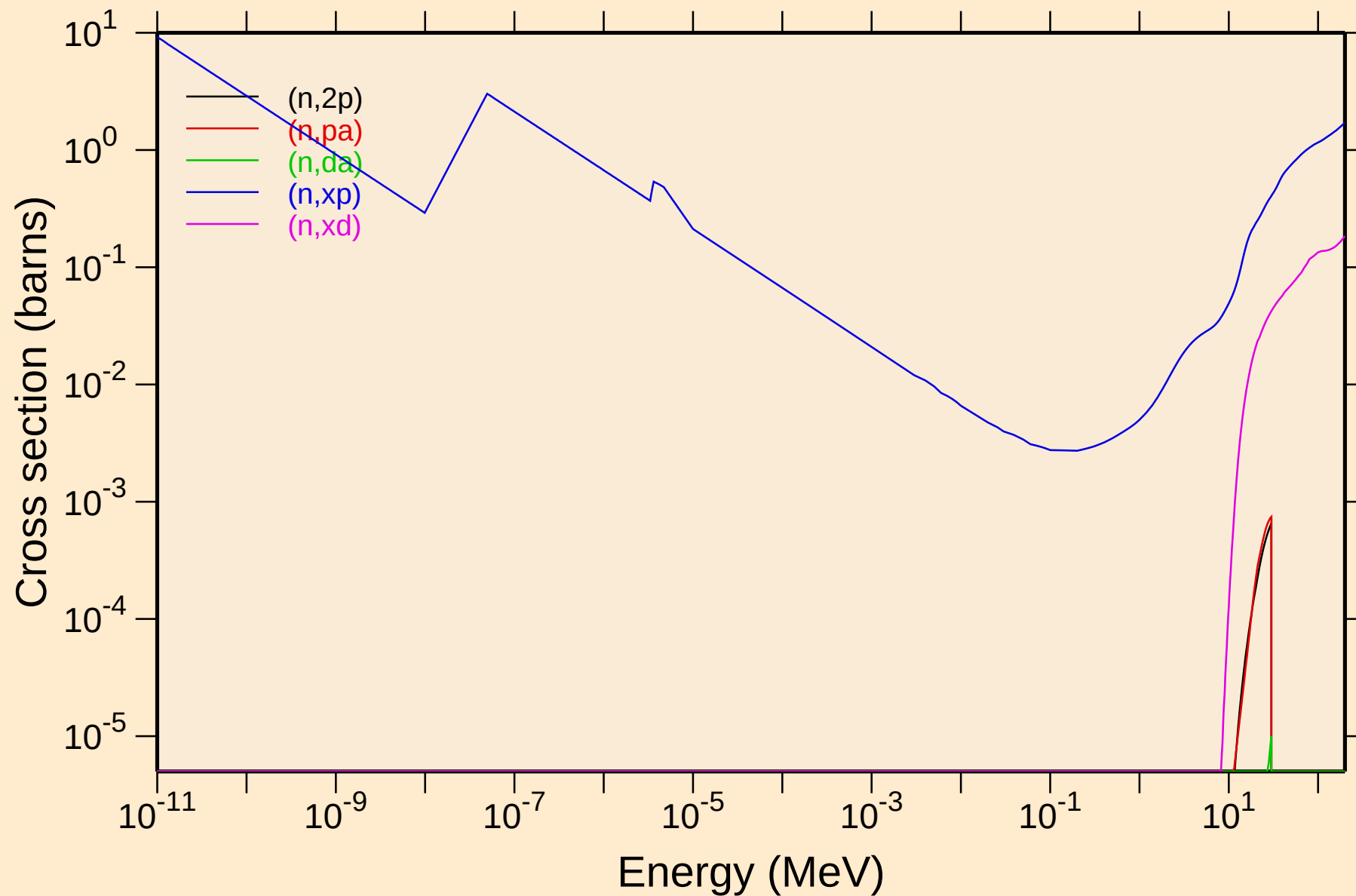
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



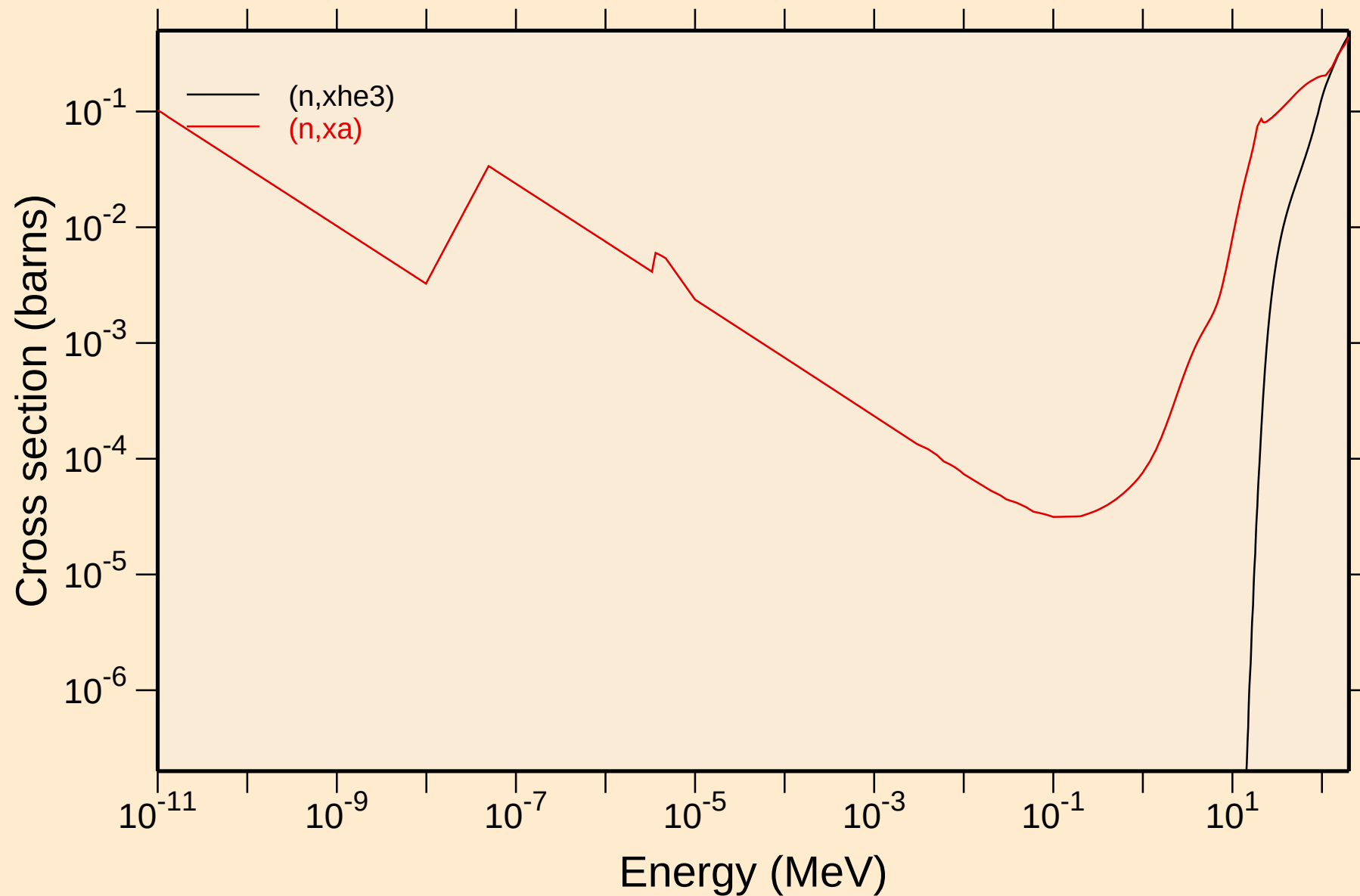
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

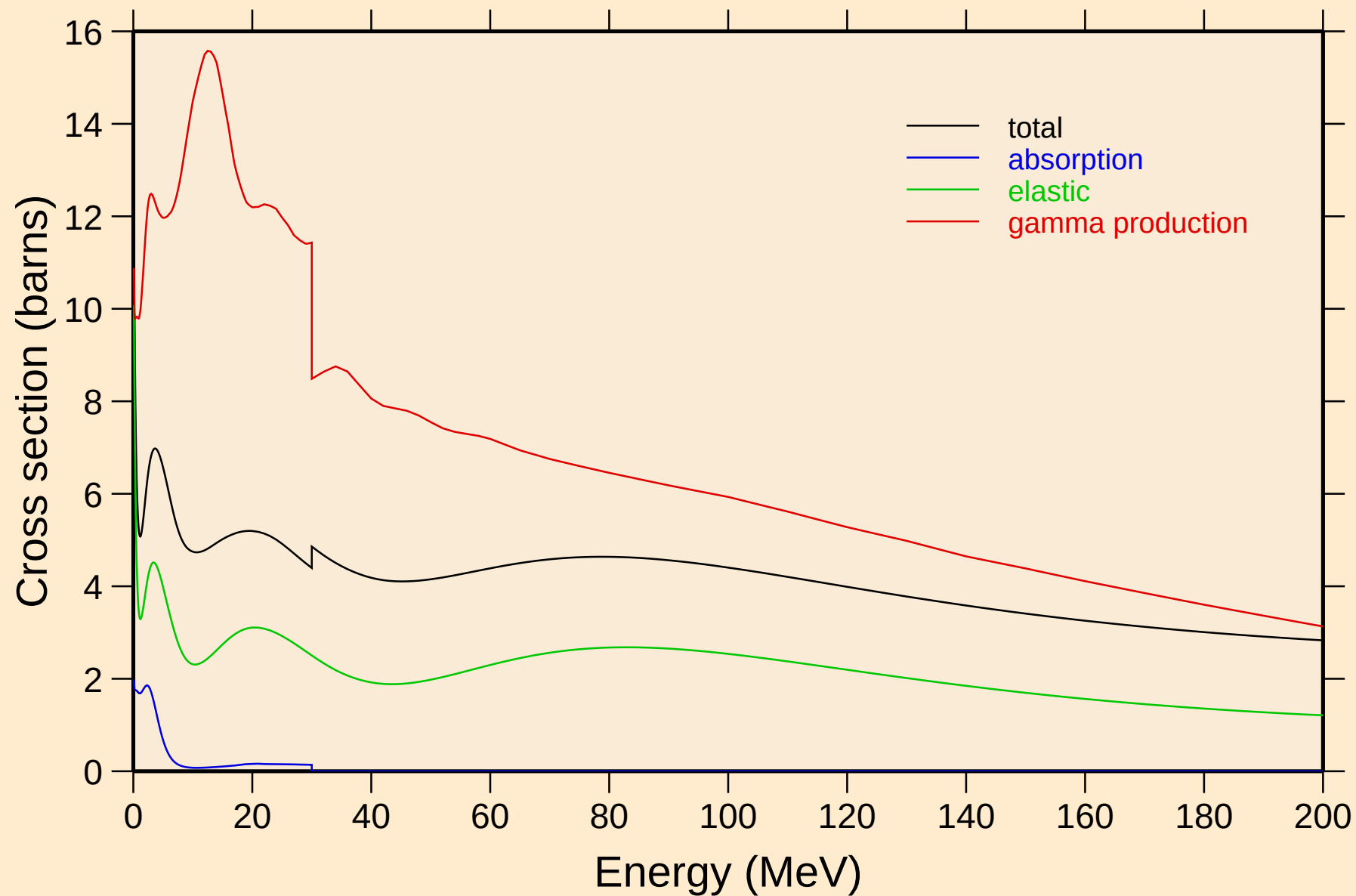


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



# TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

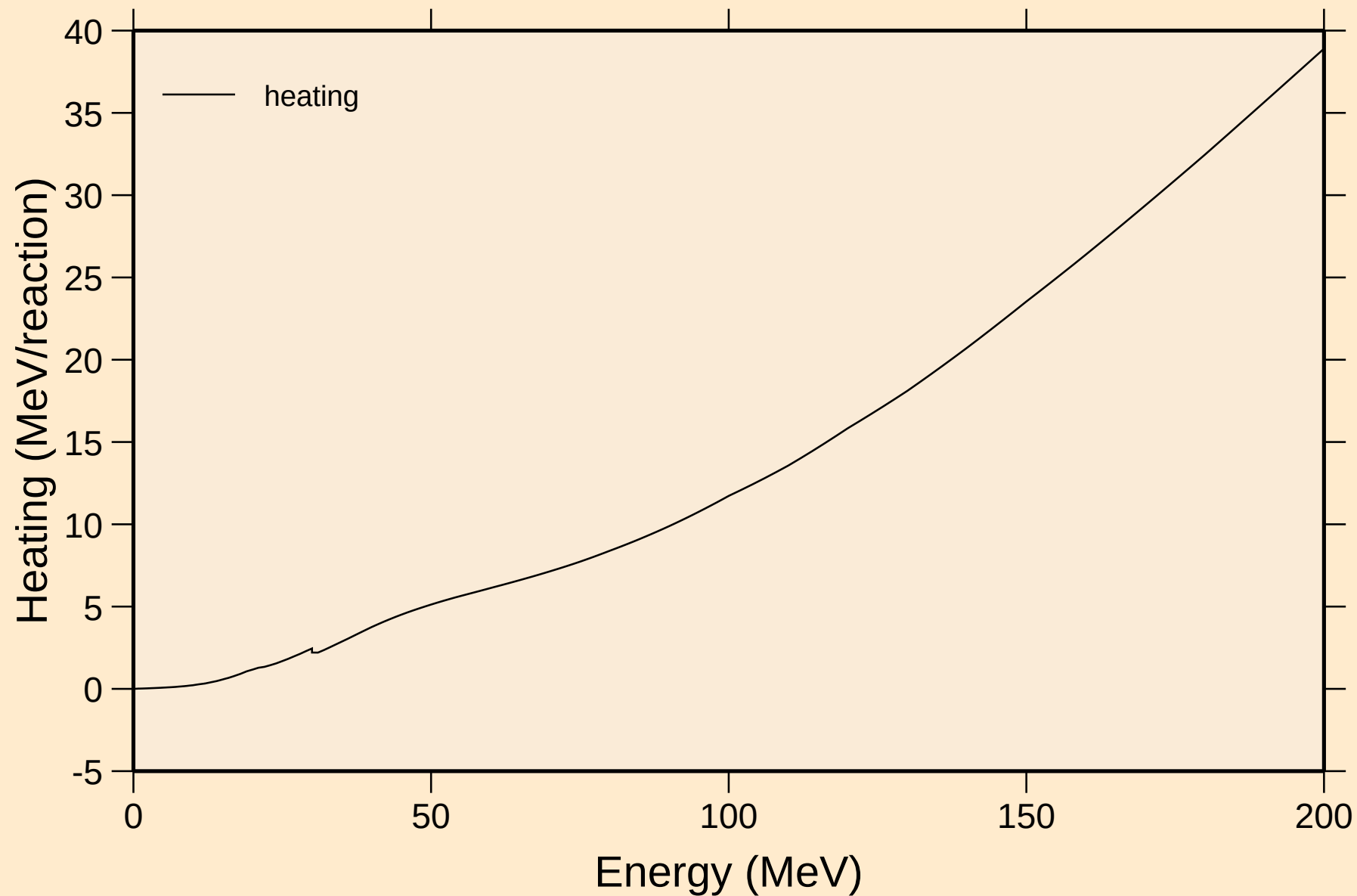
## Principal cross sections



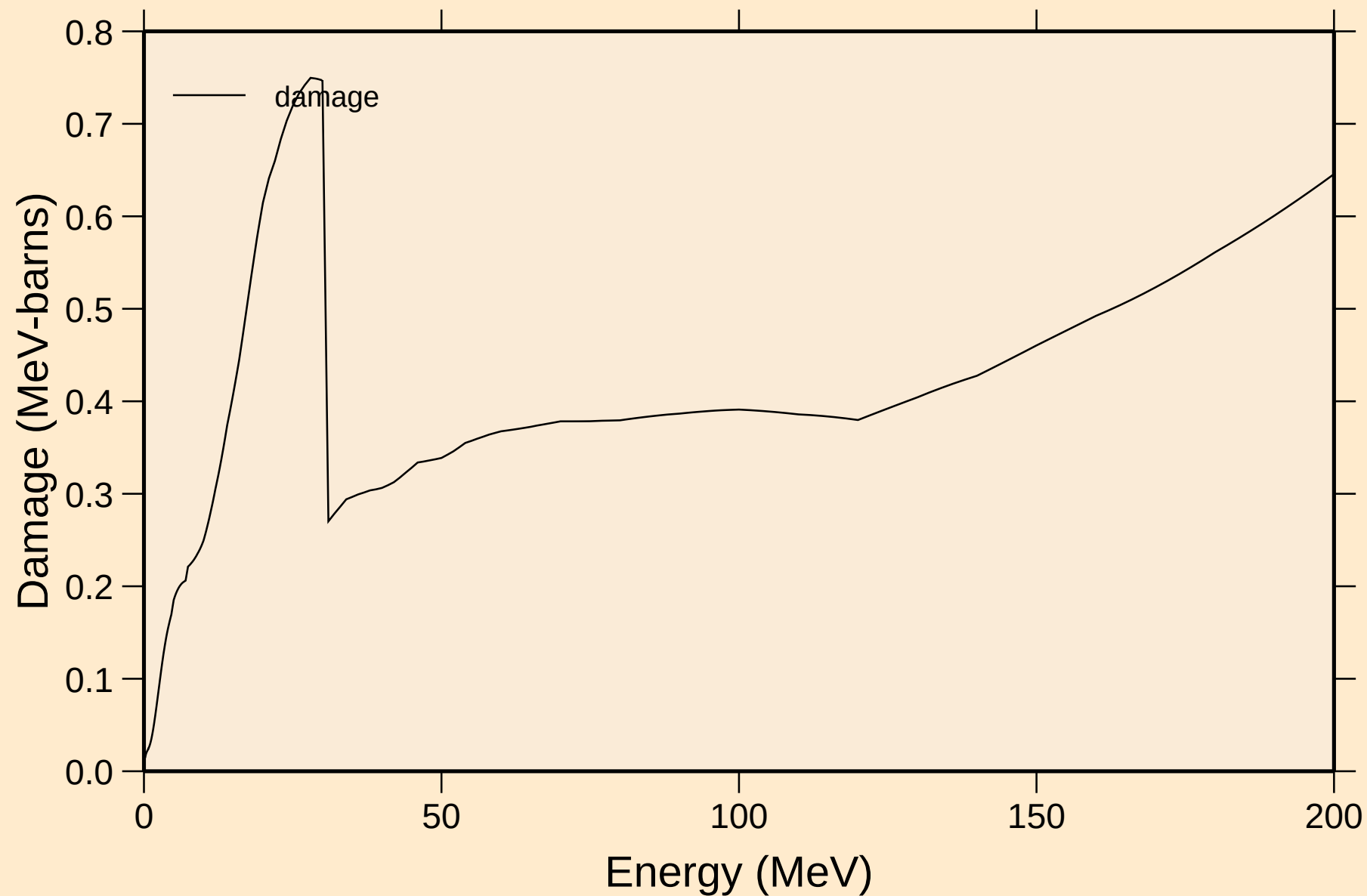


# TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

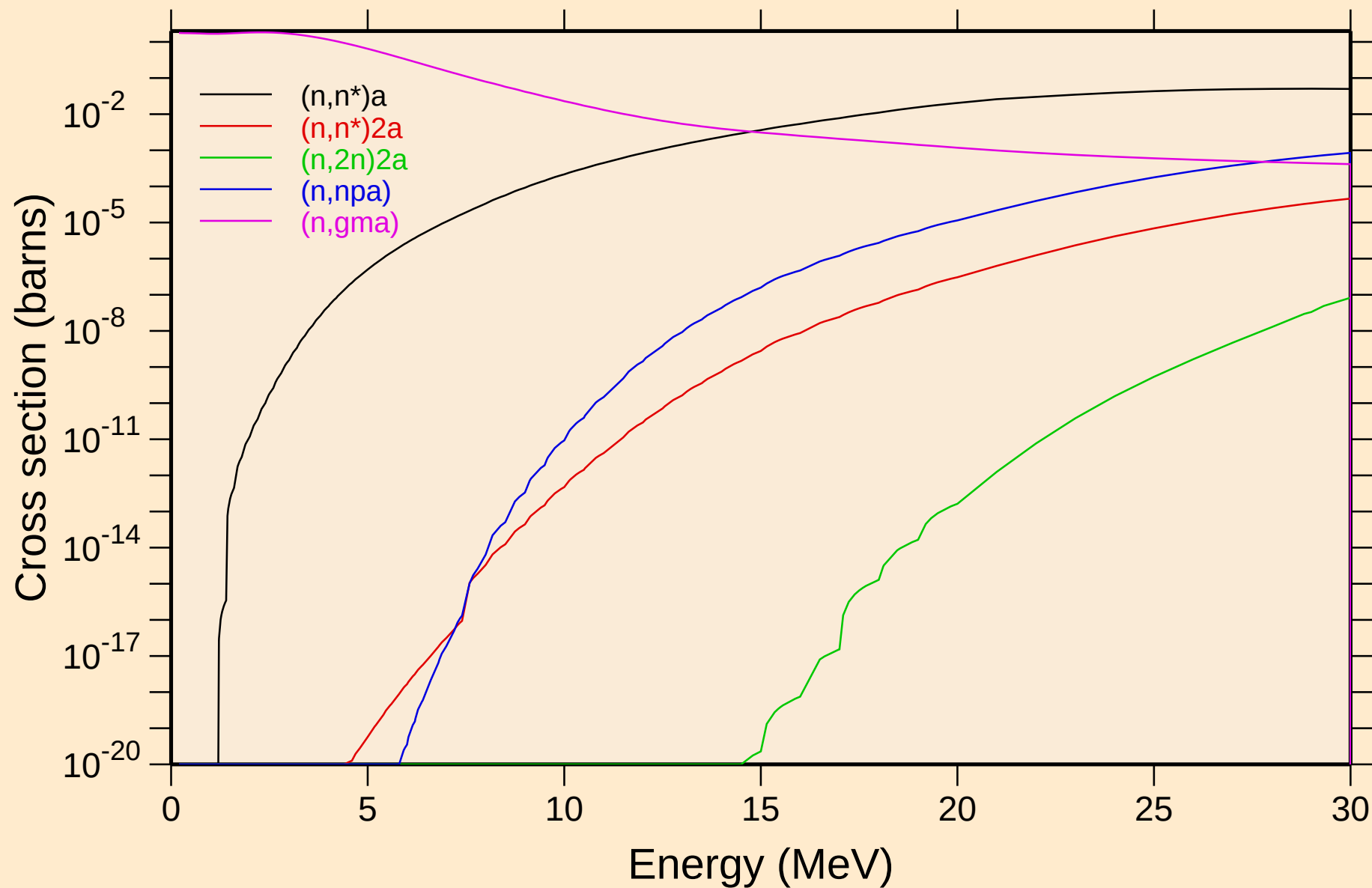
Heating



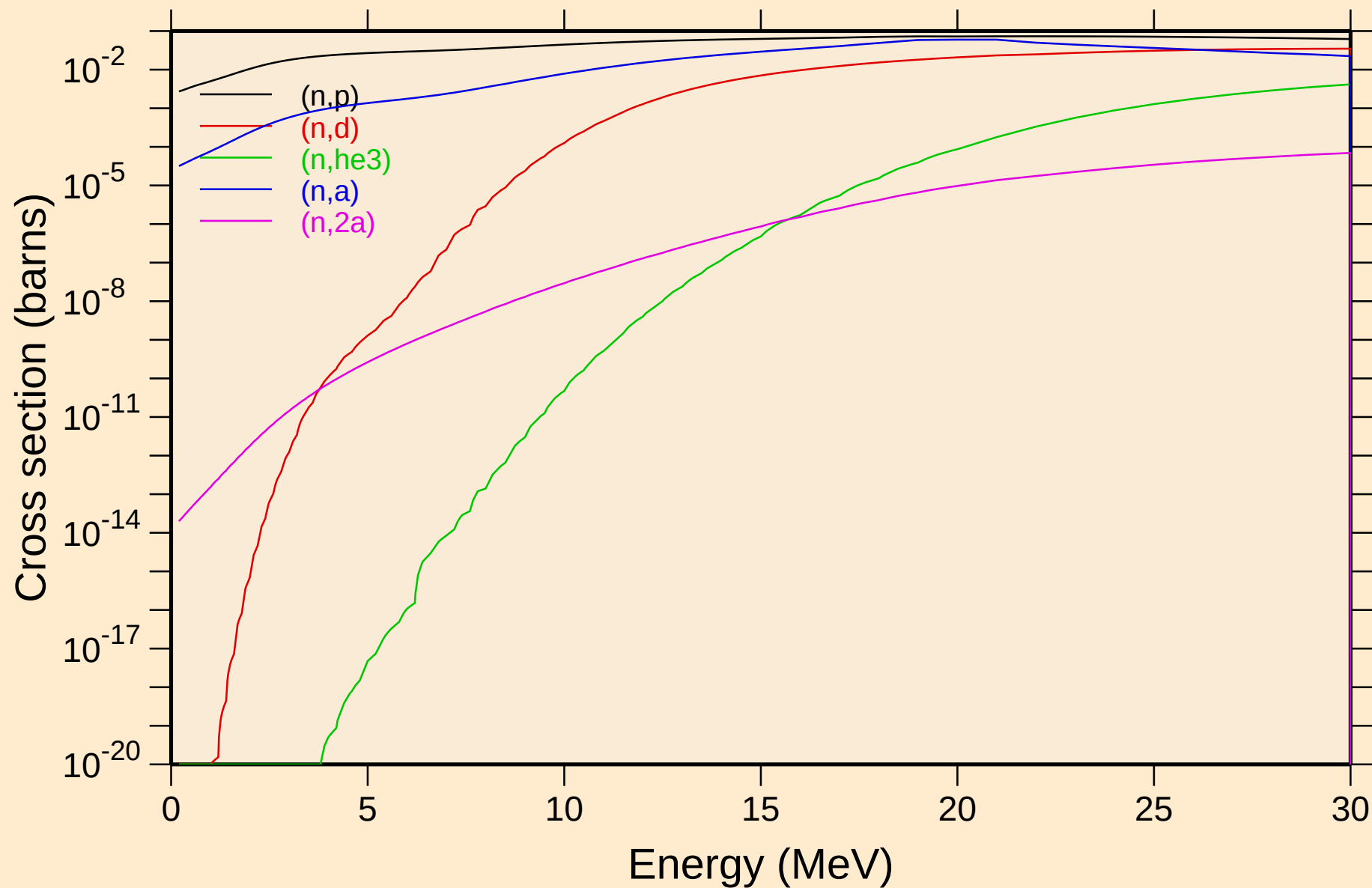
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Damage



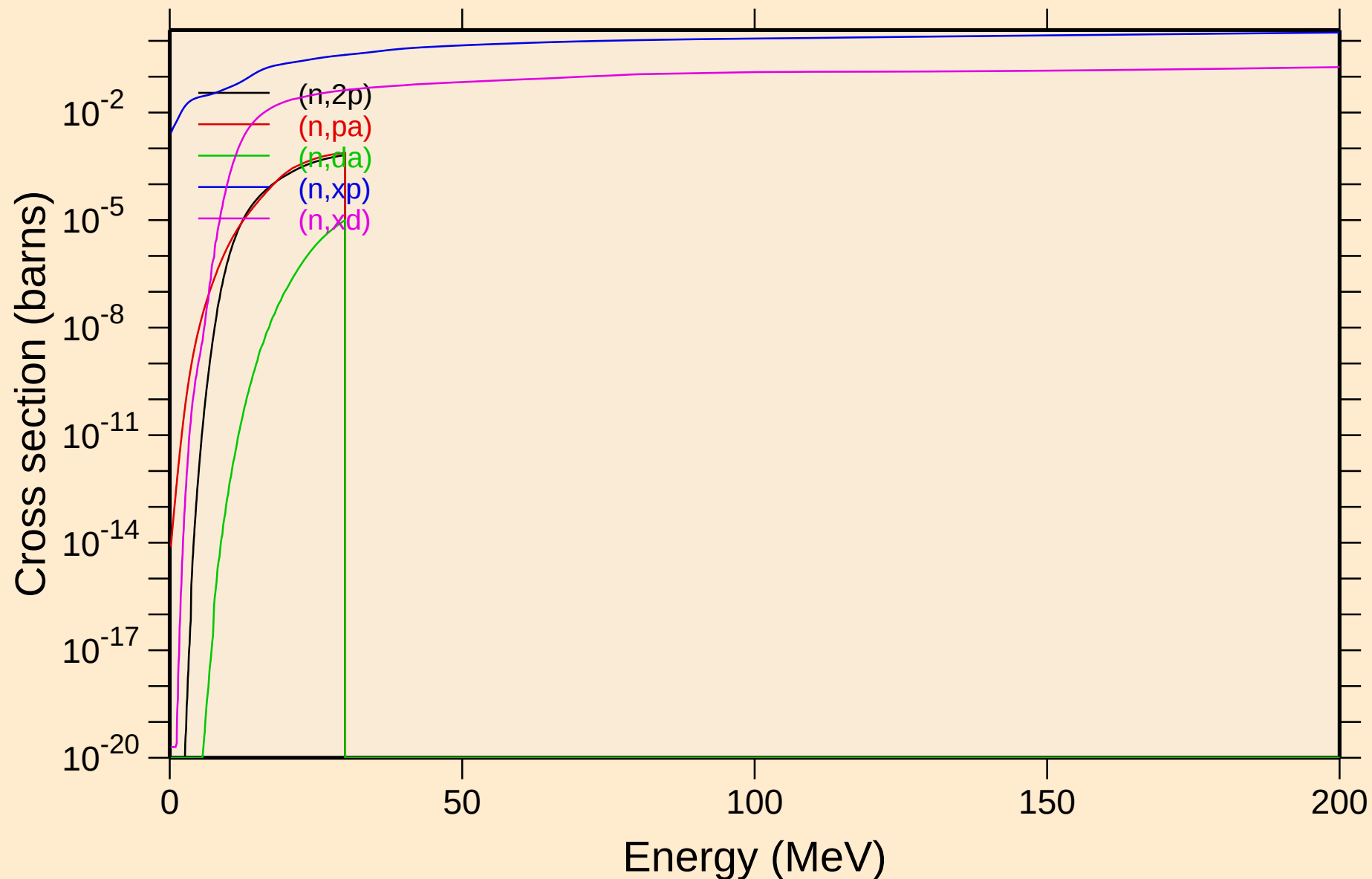
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Non-threshold reactions



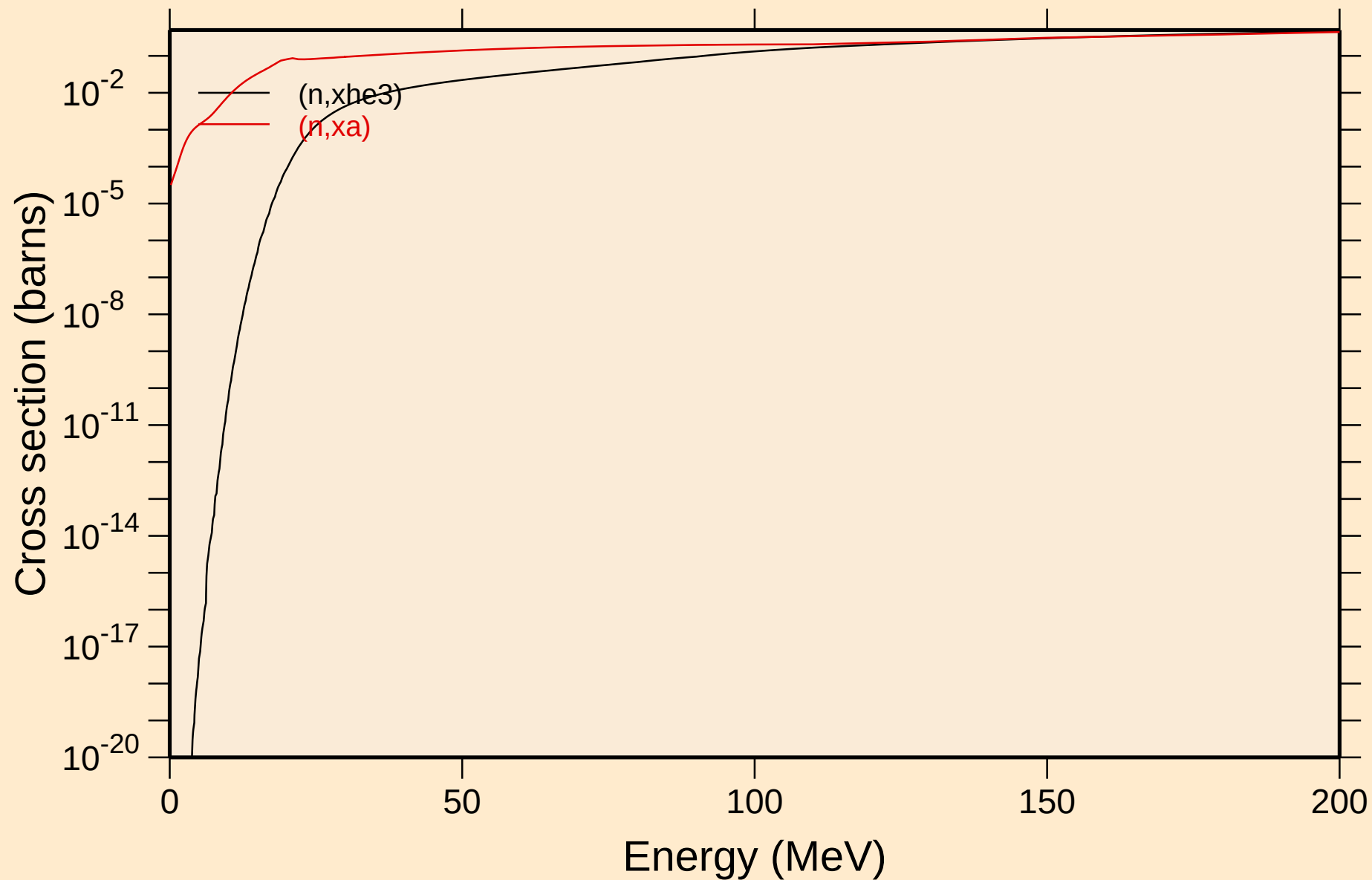
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Non-threshold reactions



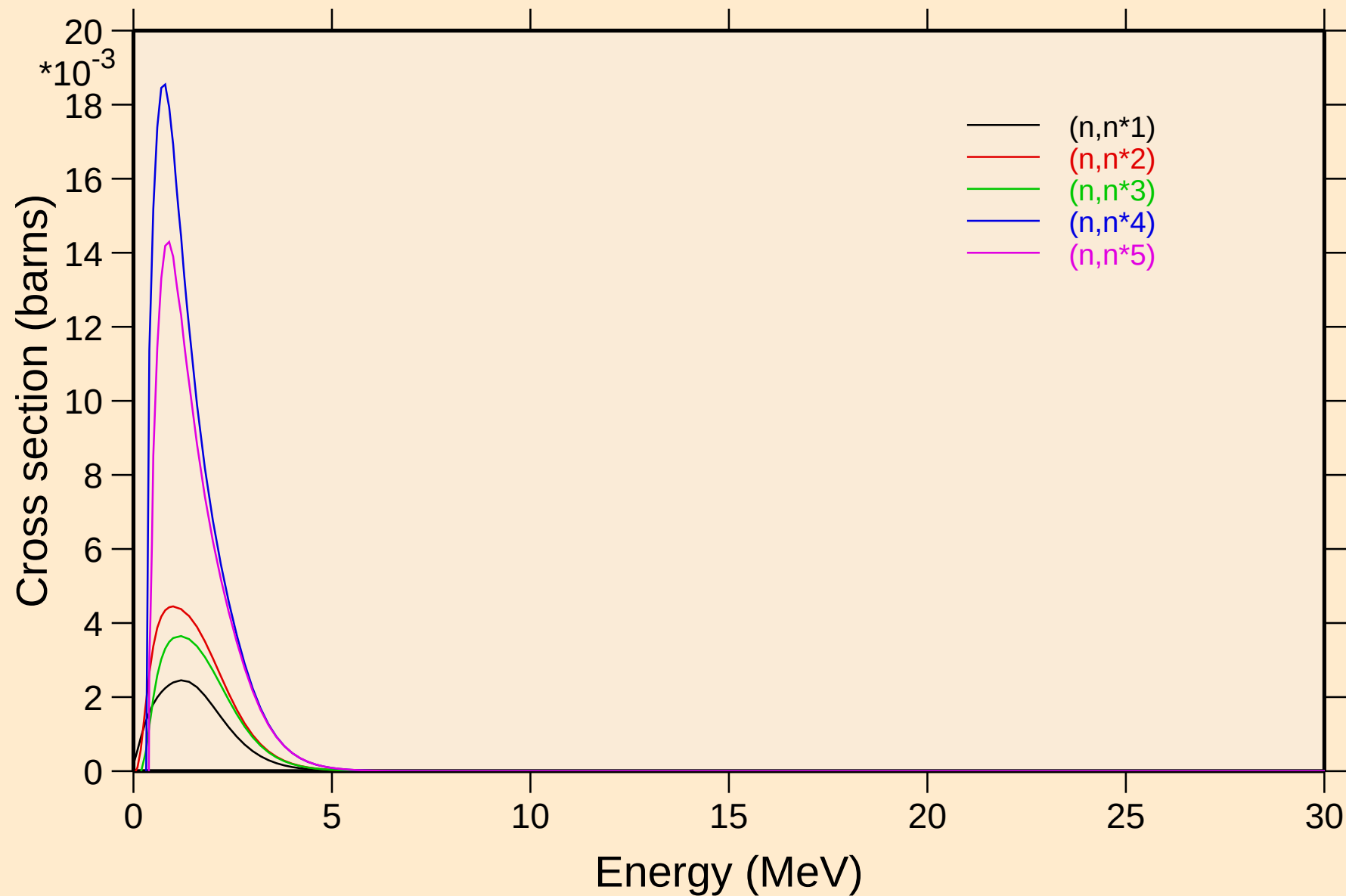
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

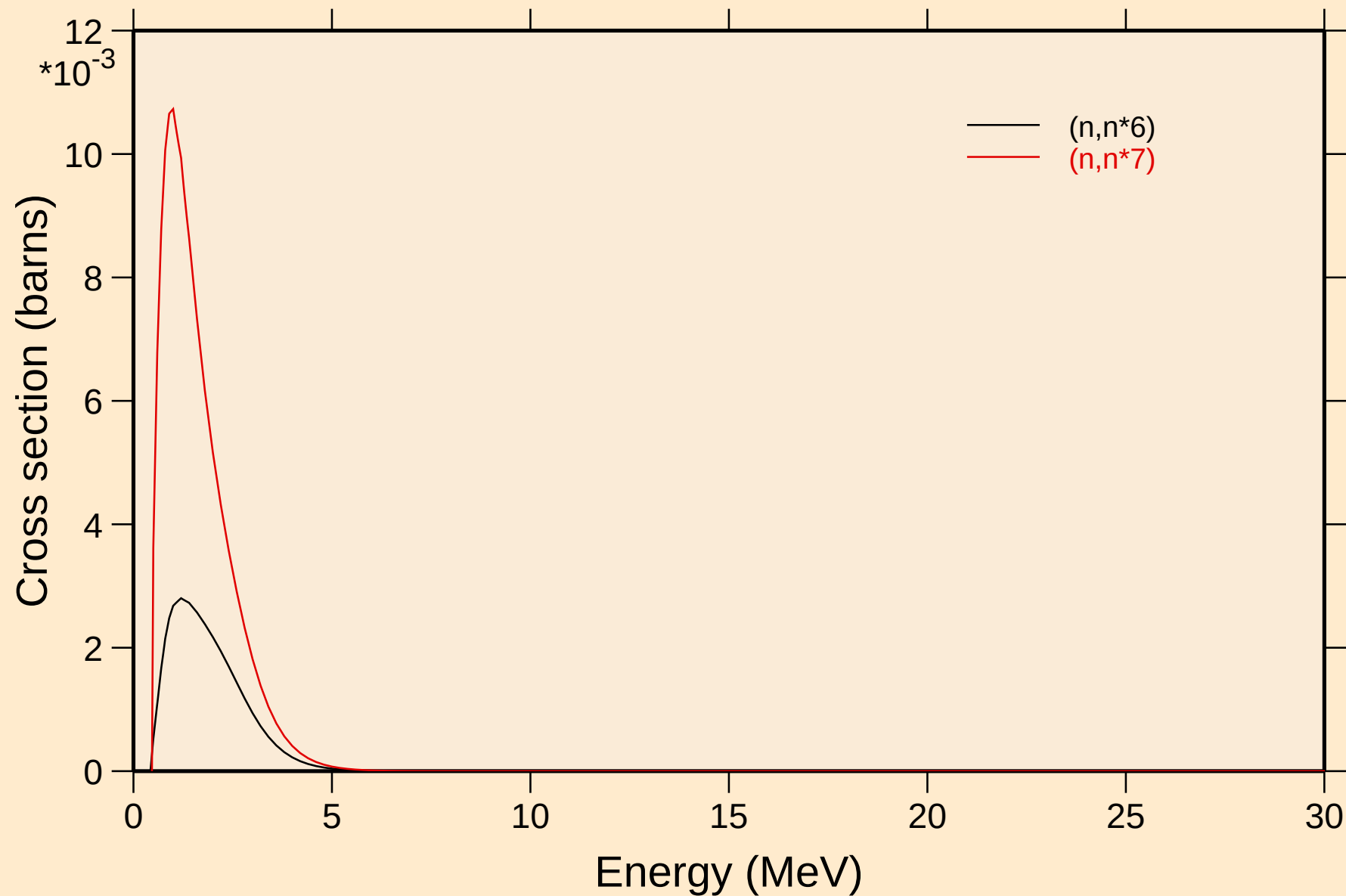


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



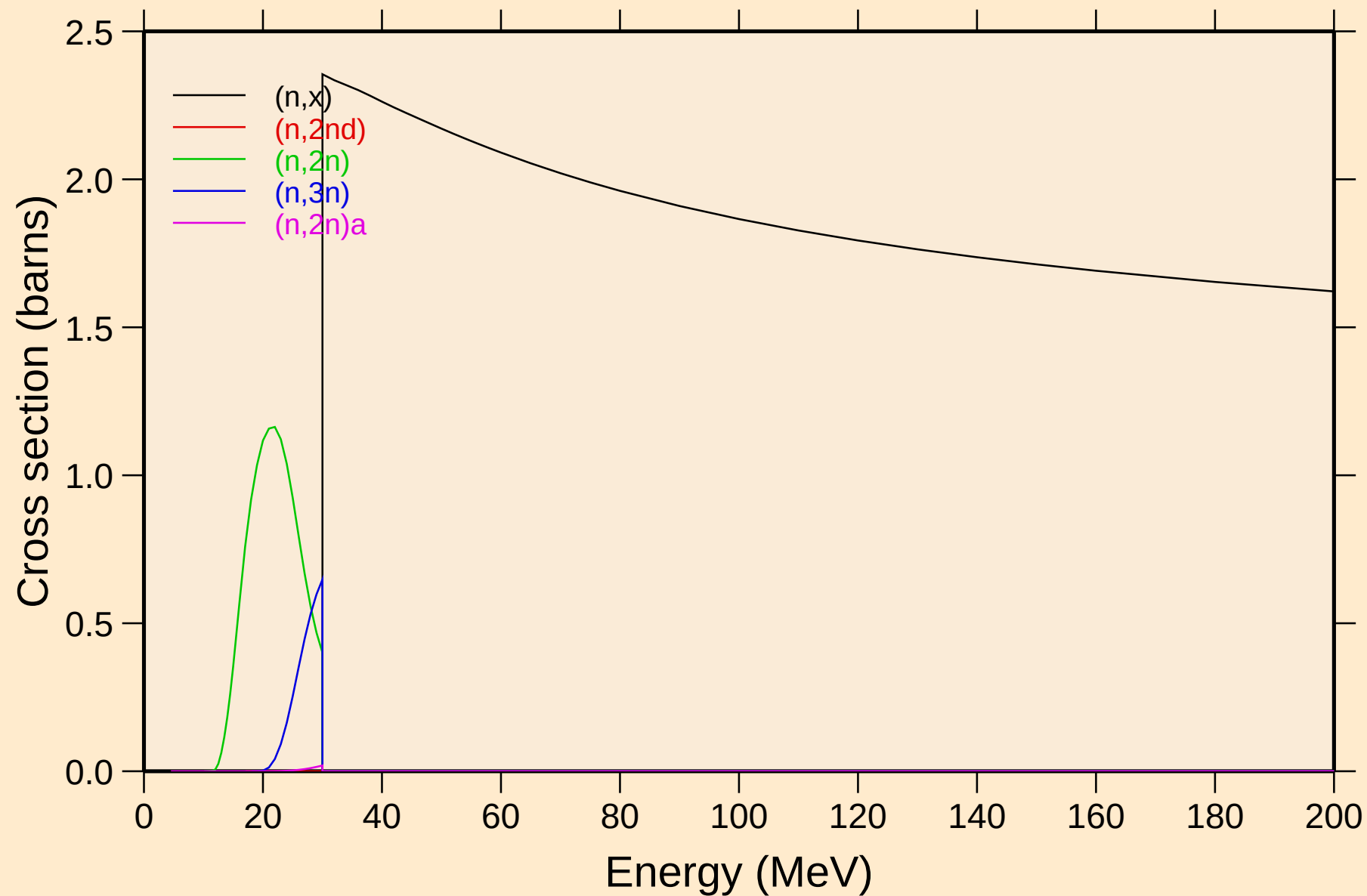
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## Inelastic levels

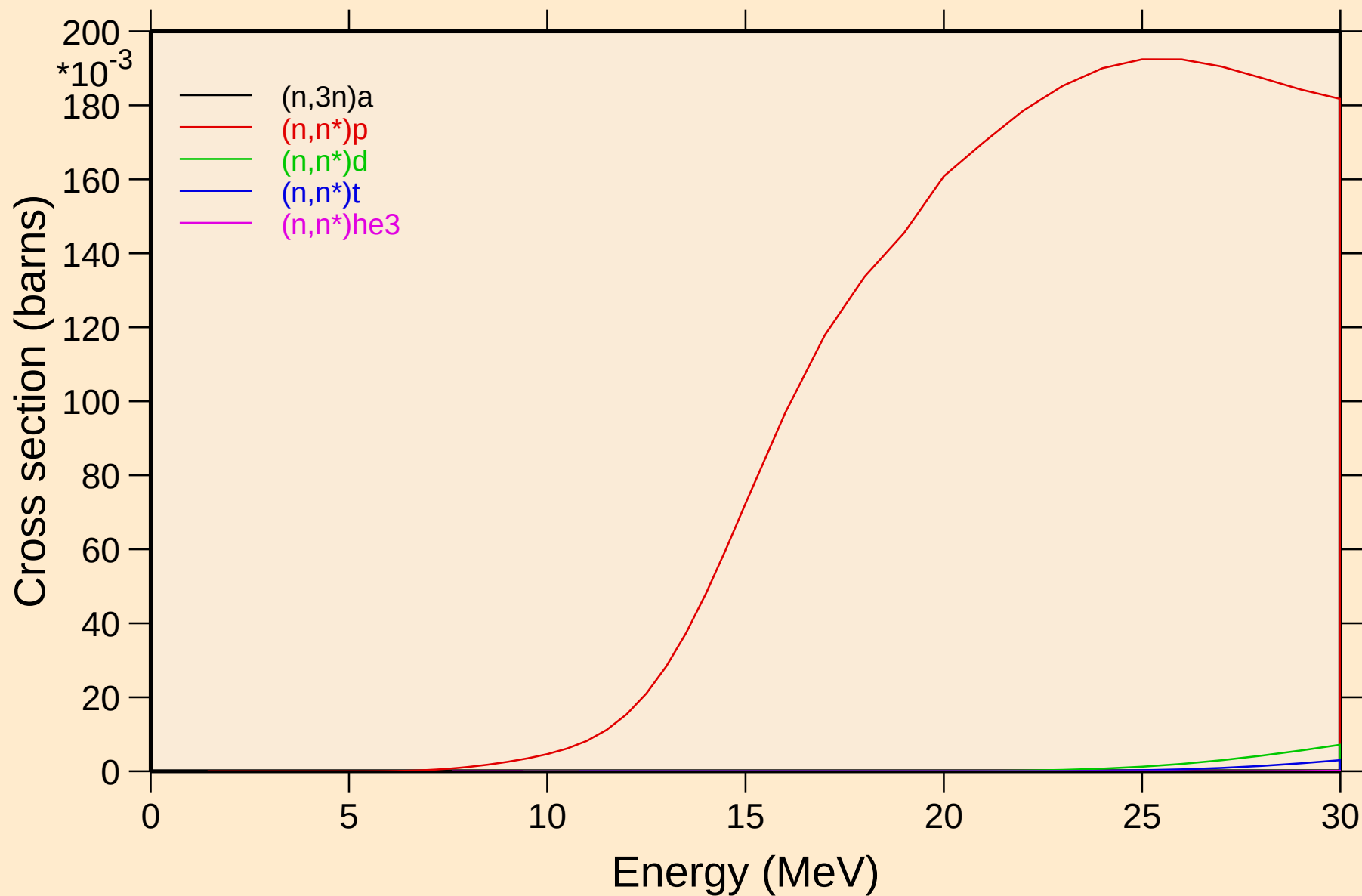




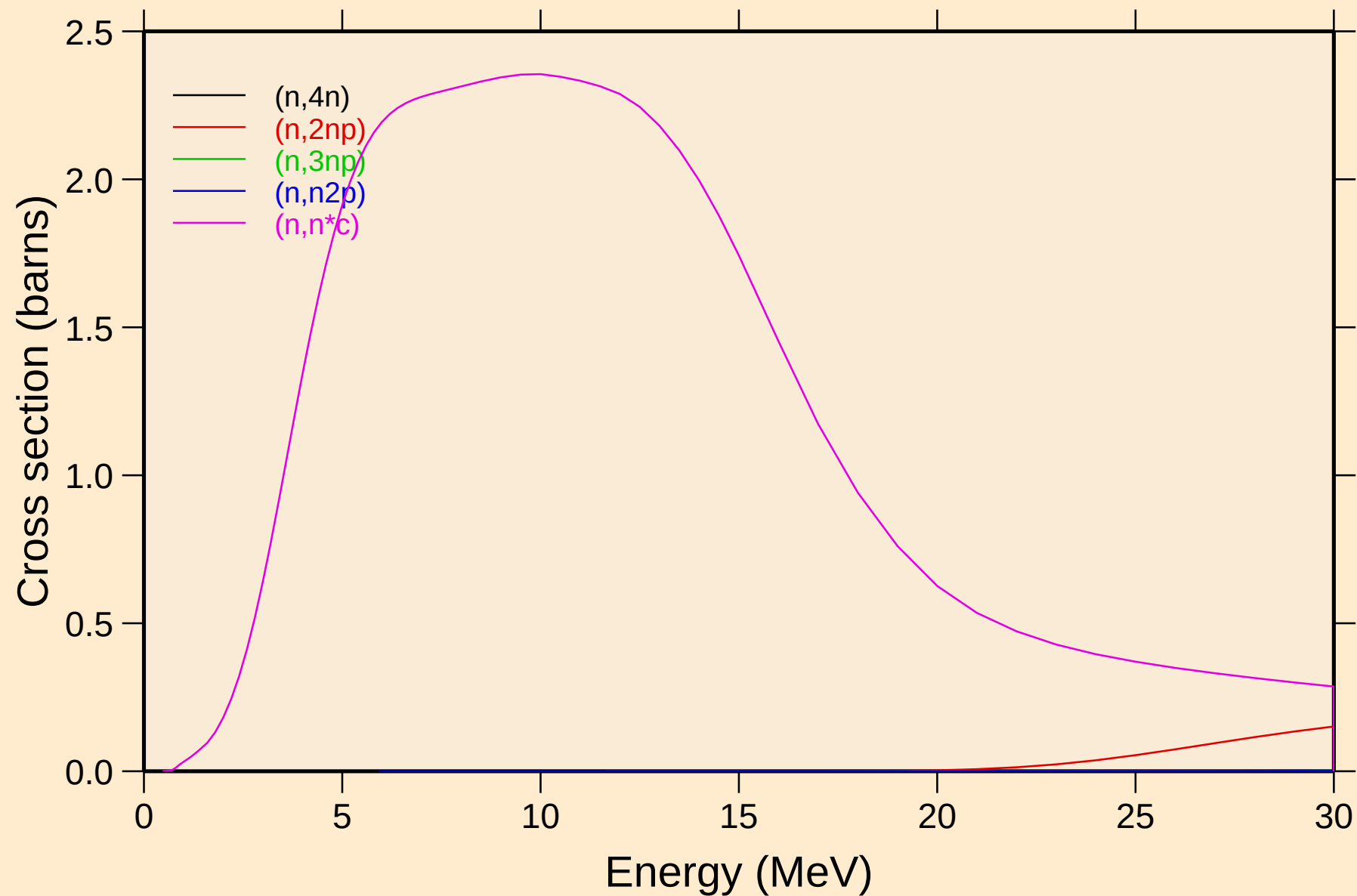
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Threshold reactions



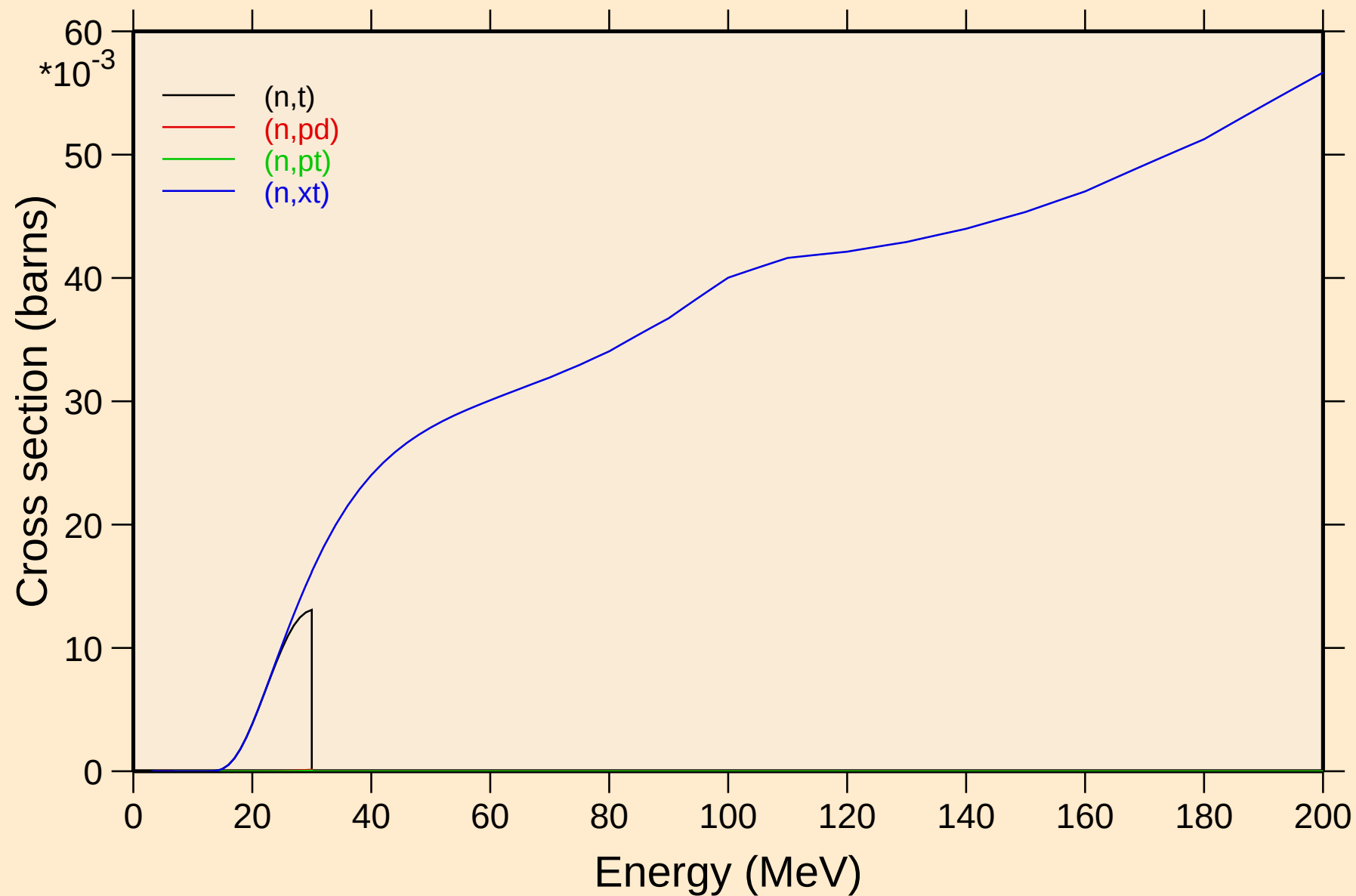
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Threshold reactions



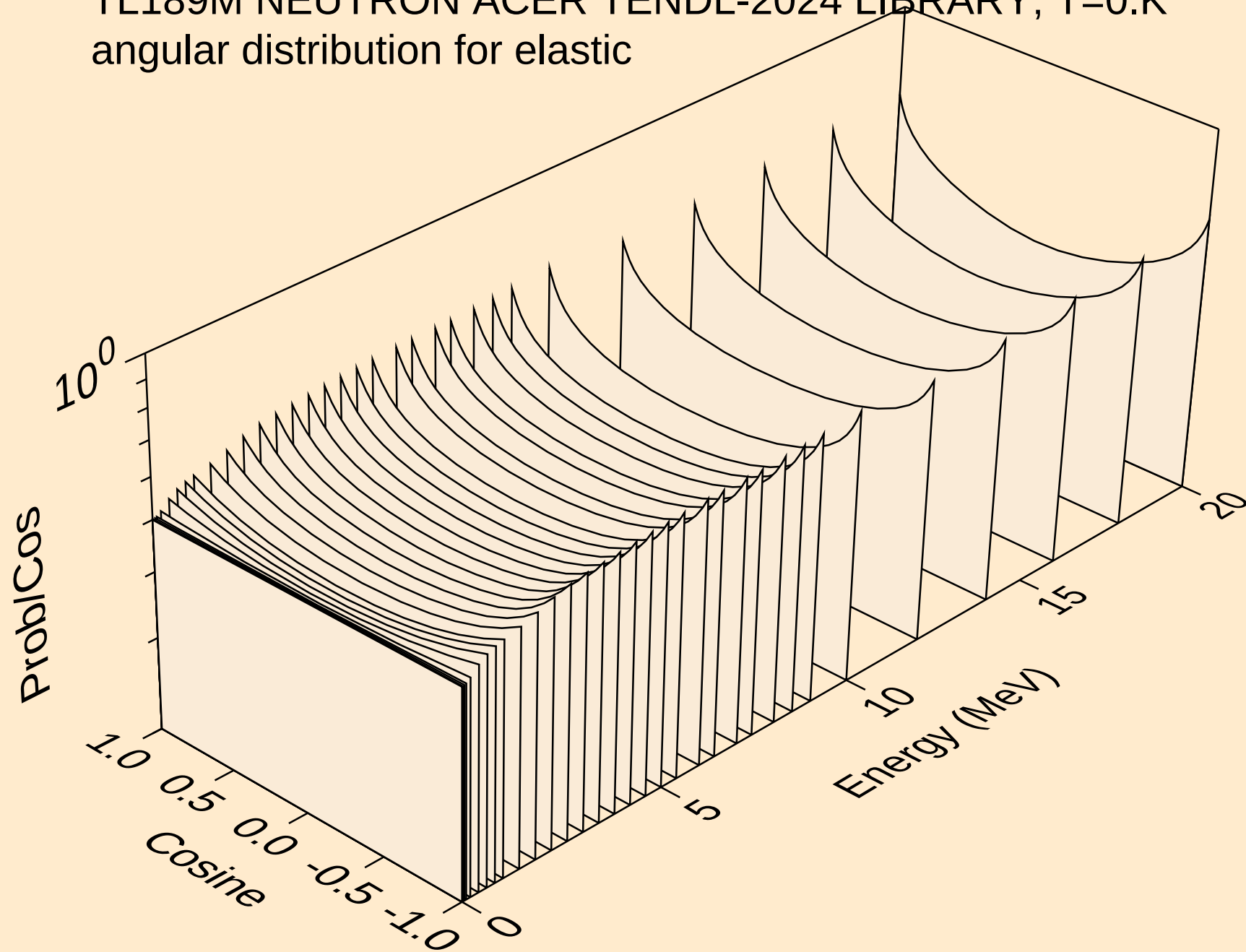
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Threshold reactions



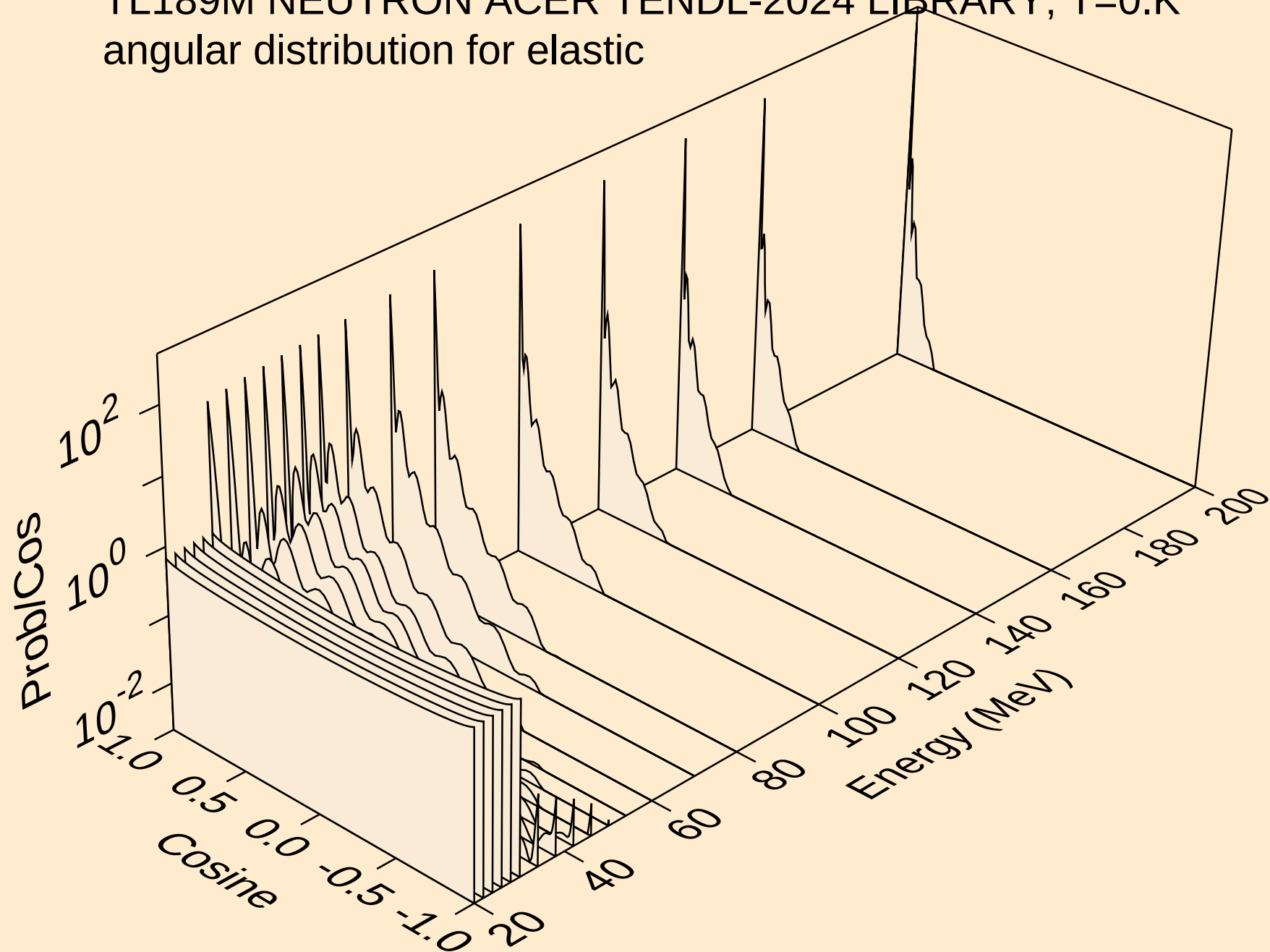
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Threshold reactions



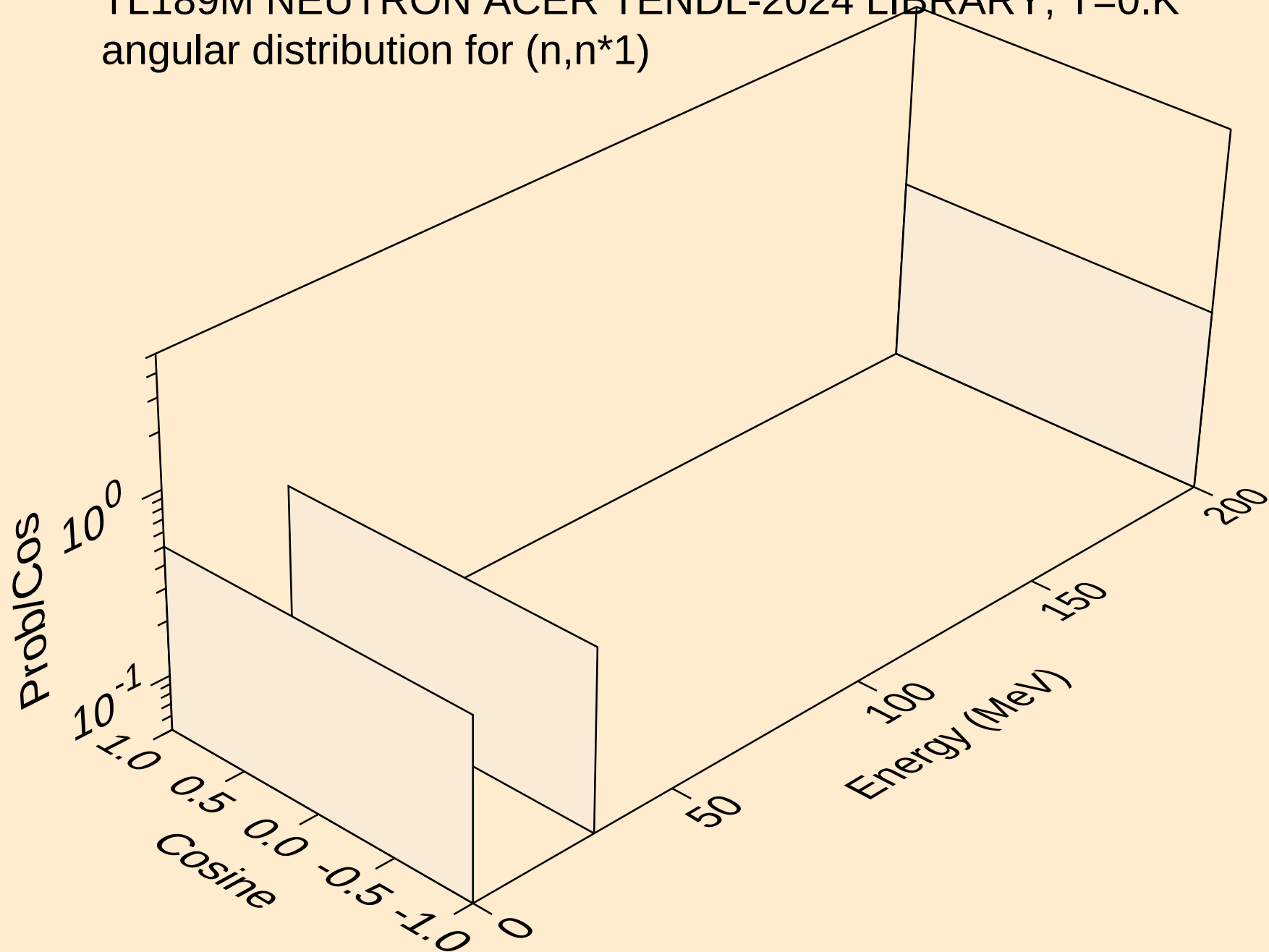
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angular distribution for elastic



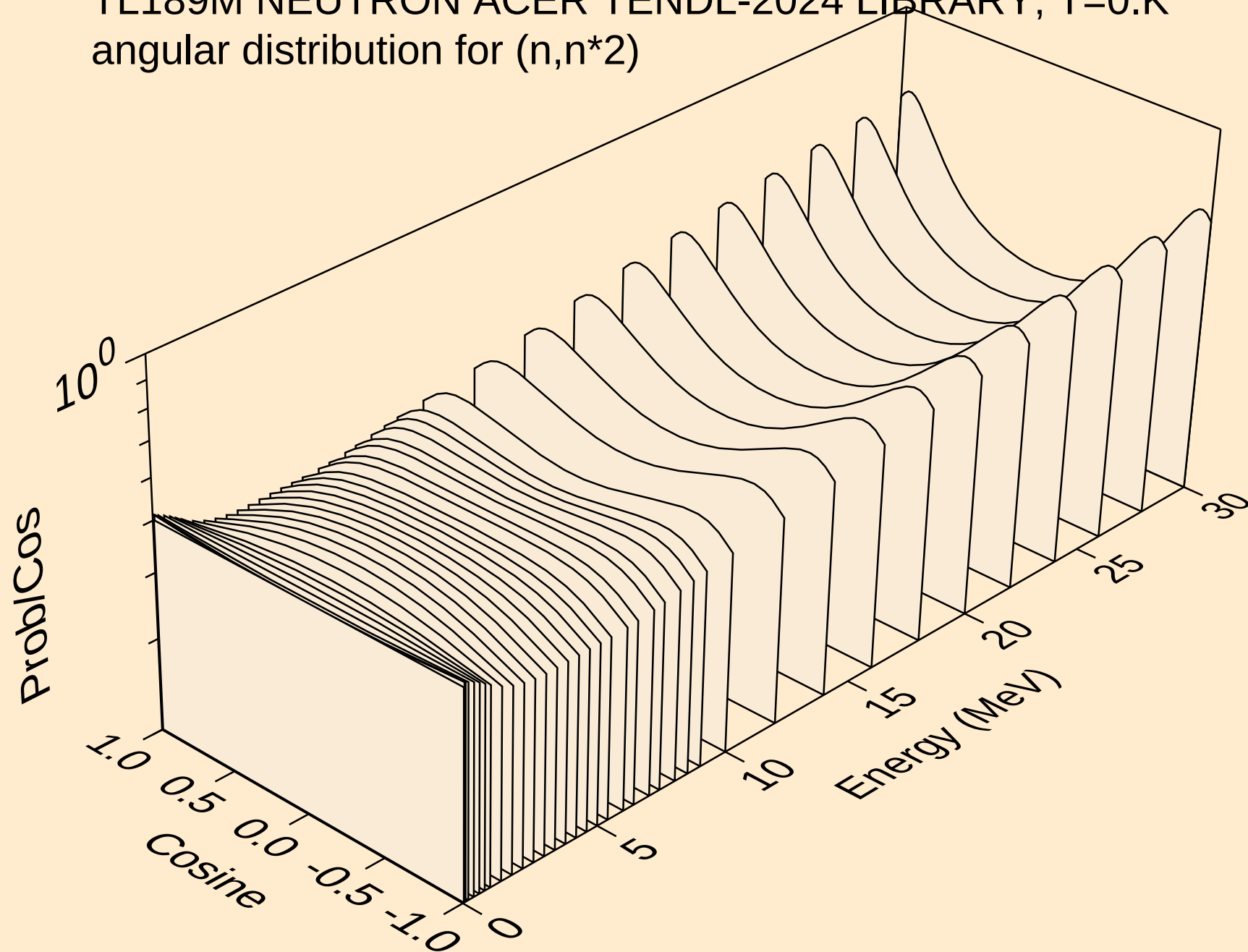
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

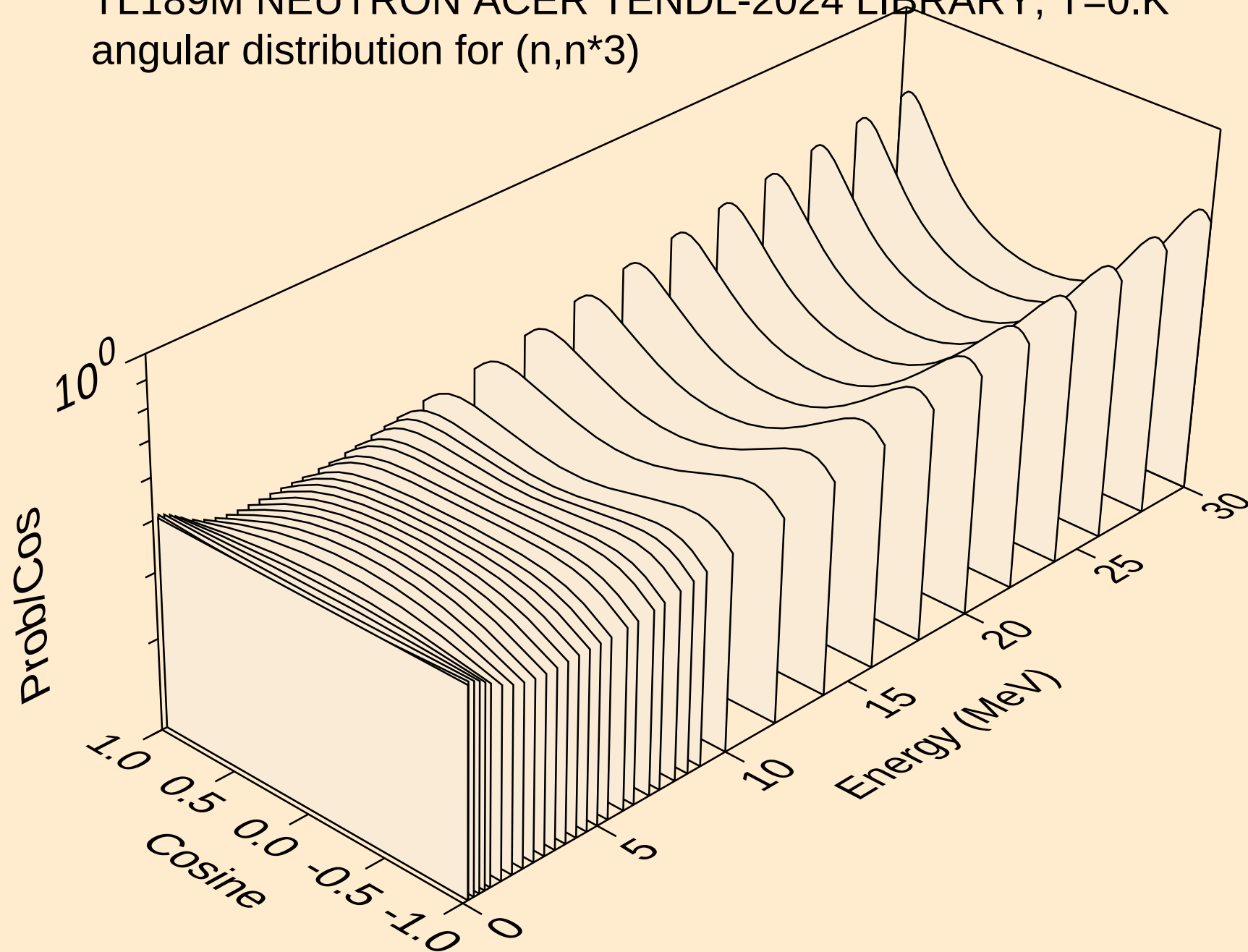


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

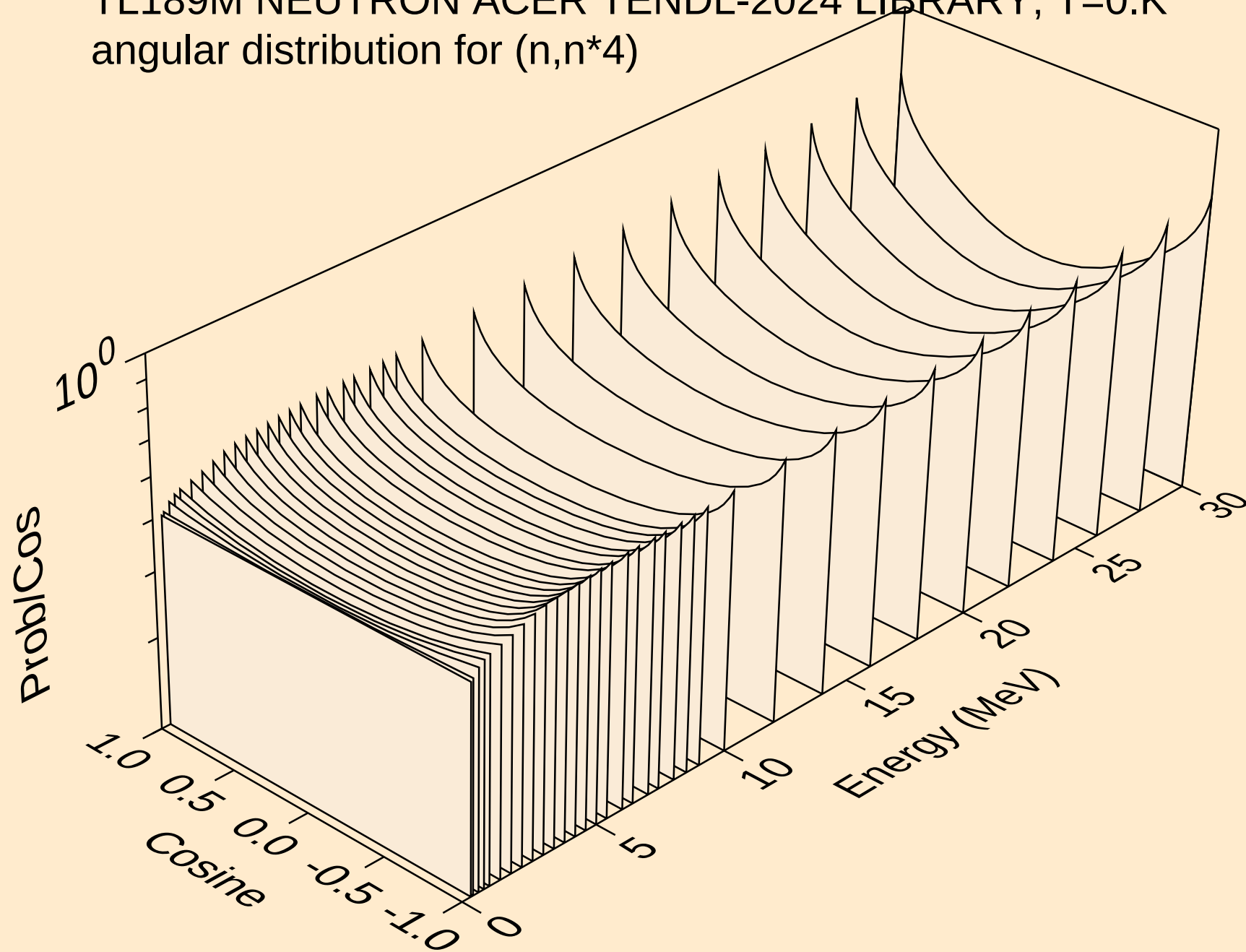




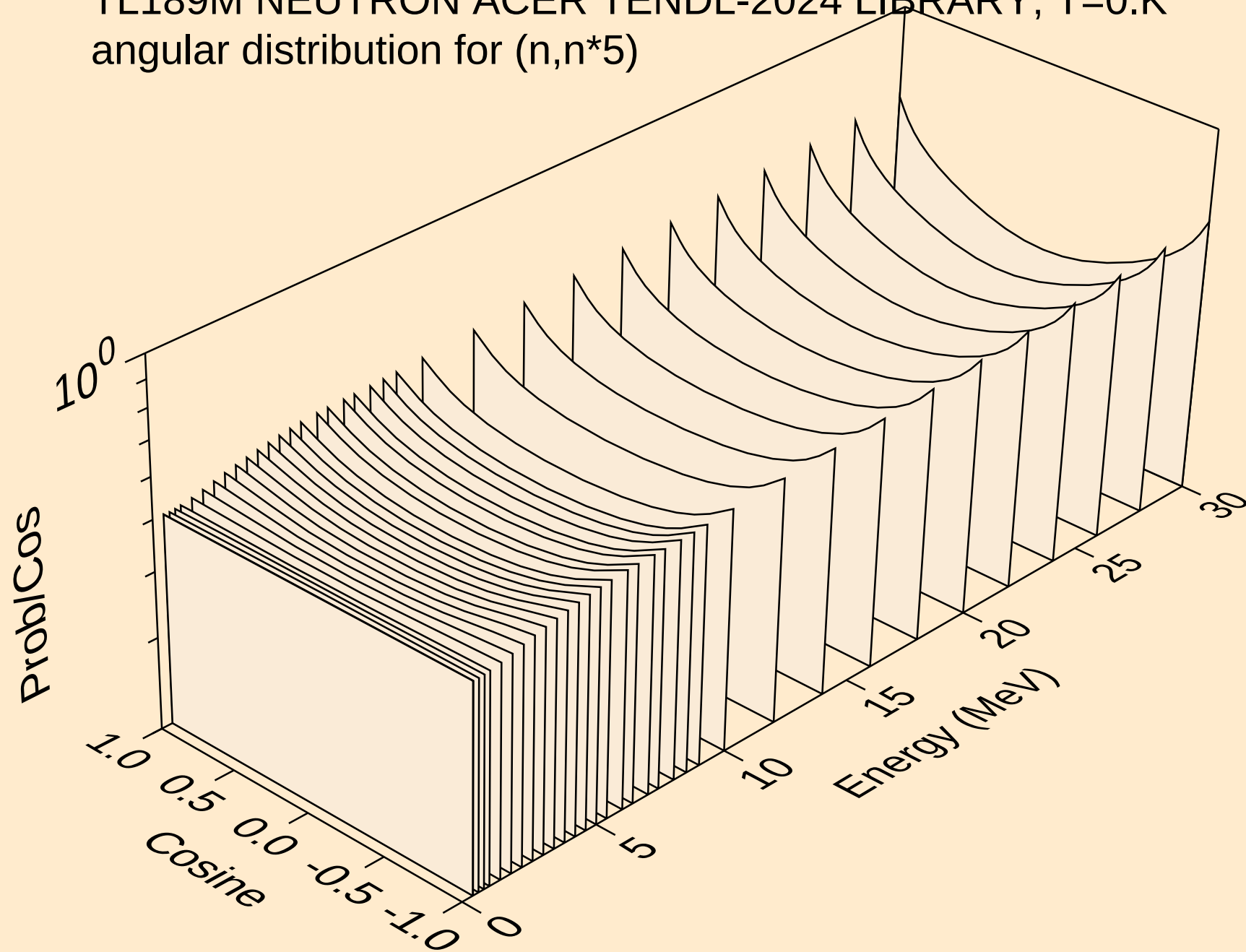
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angular distribution for (n,n\*3)



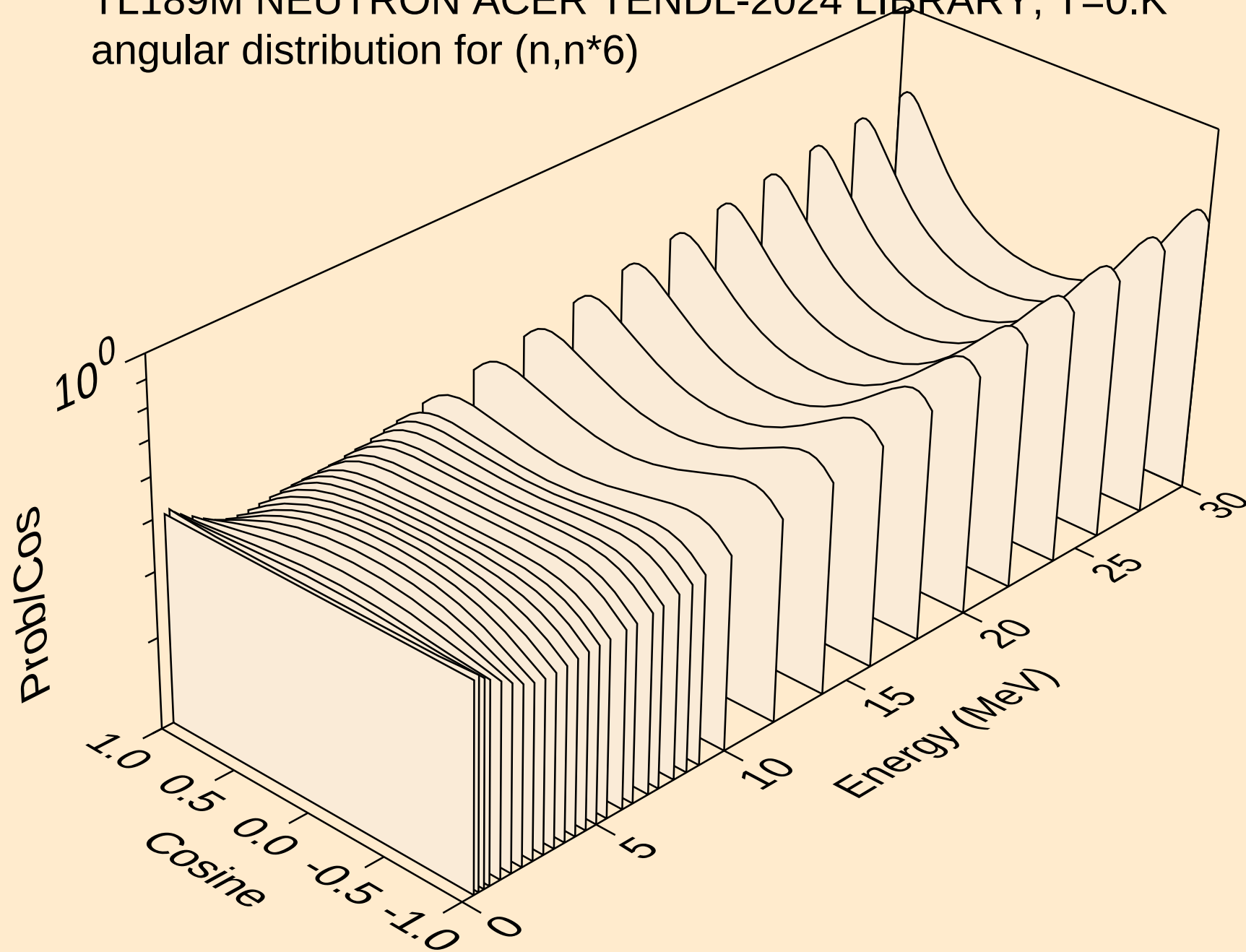
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angular distribution for (n,n\*4)



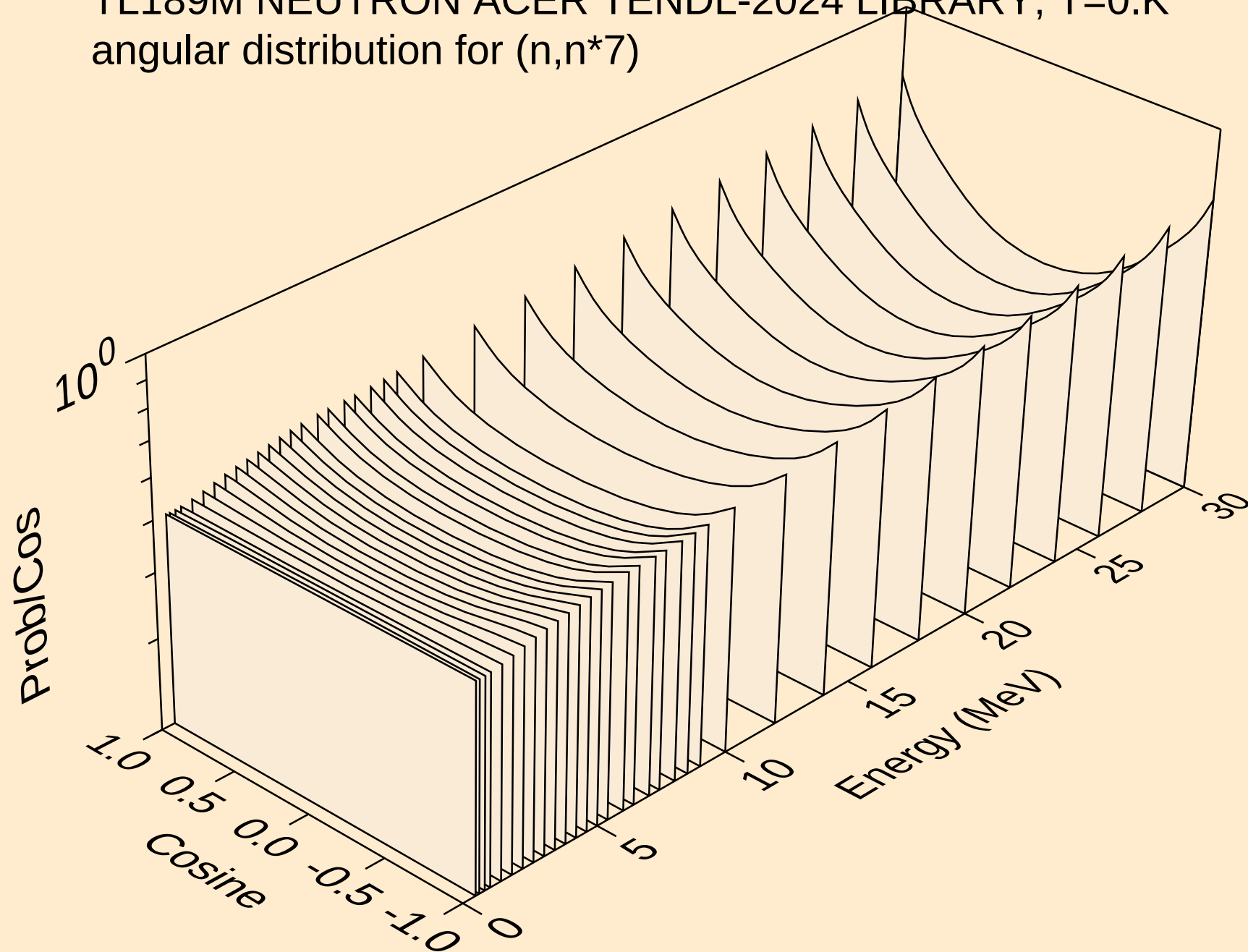
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angular distribution for (n,n\*5)



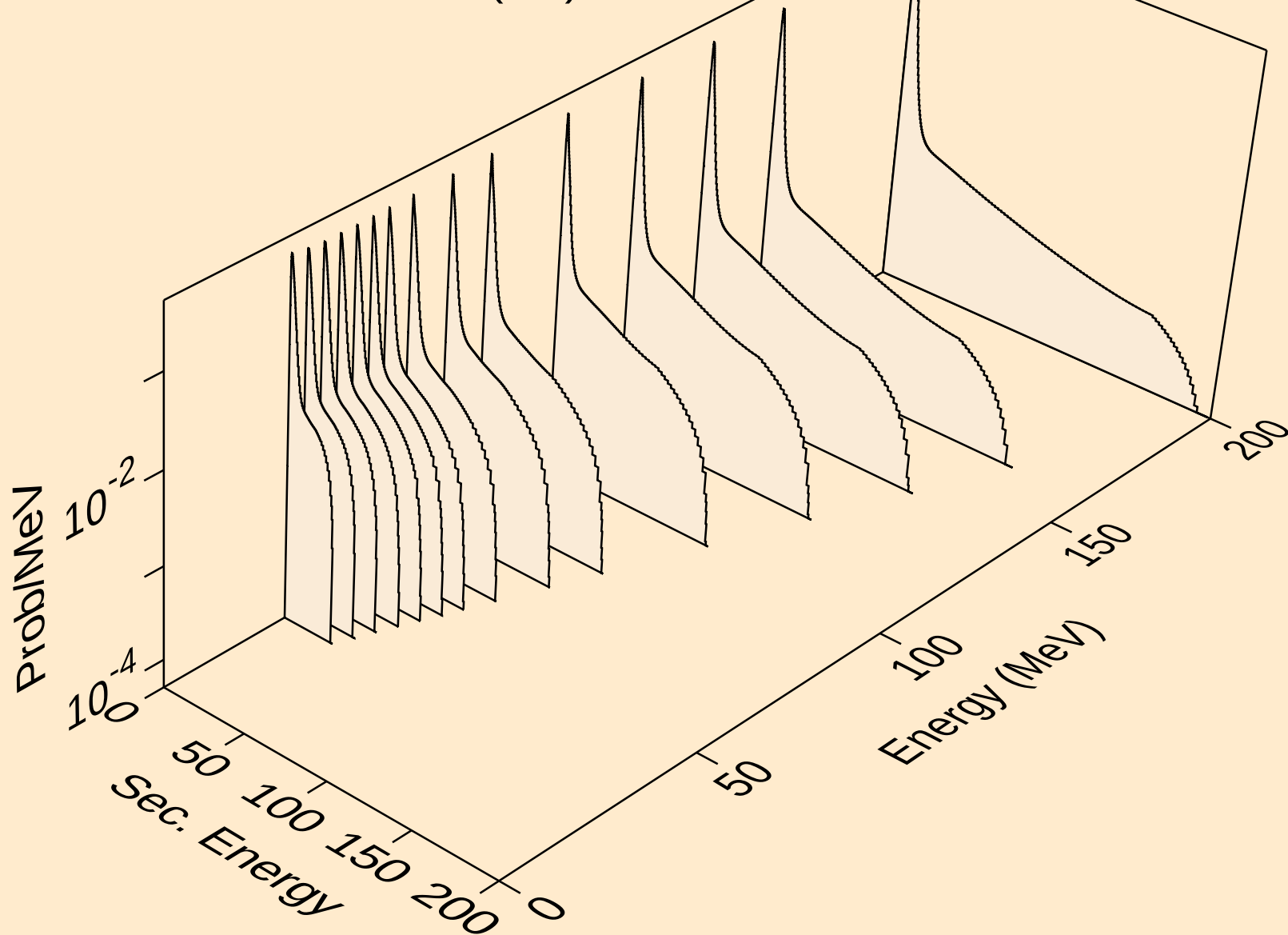
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angular distribution for (n,n\*6)



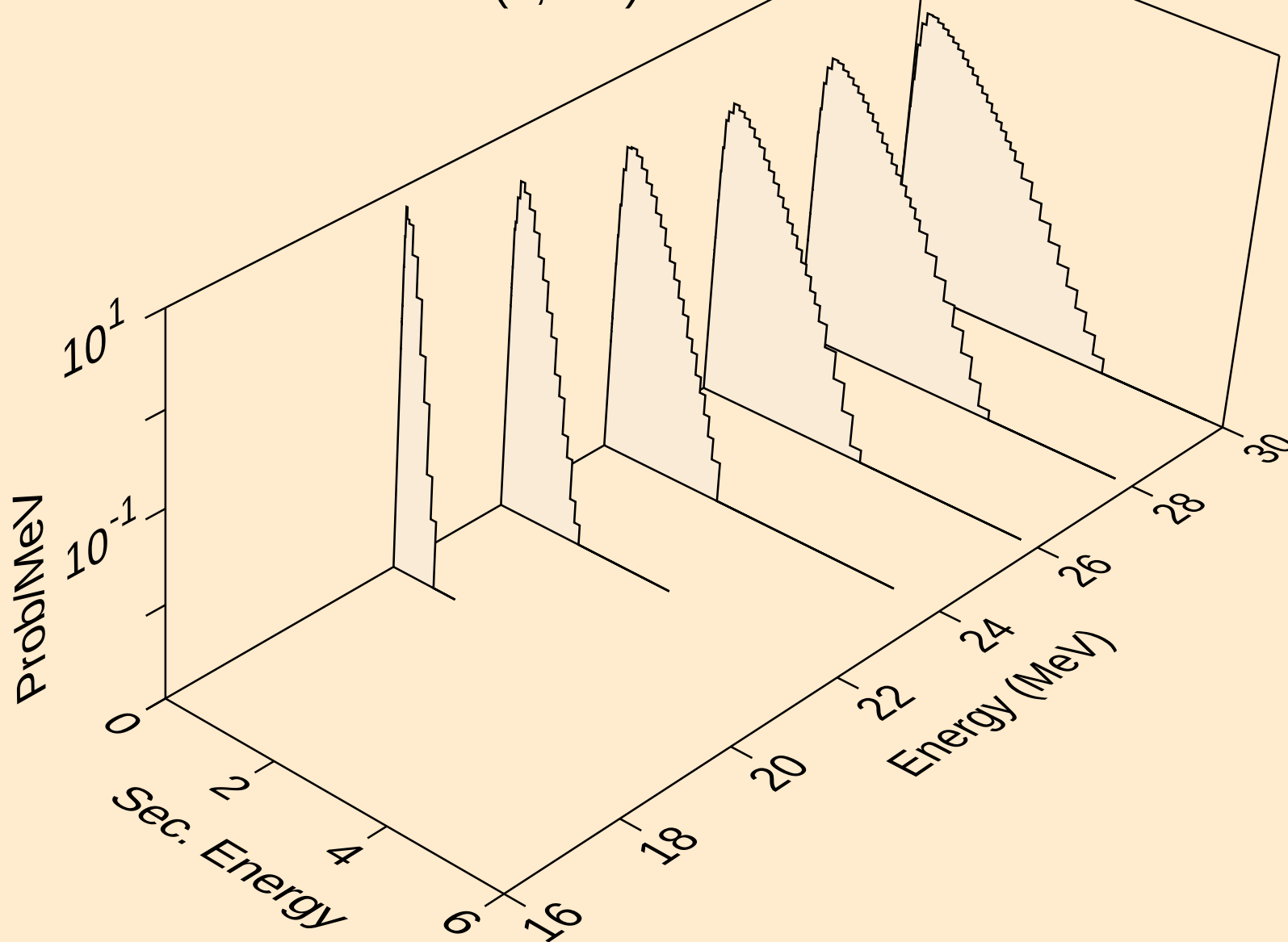
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angular distribution for (n,n\*7)



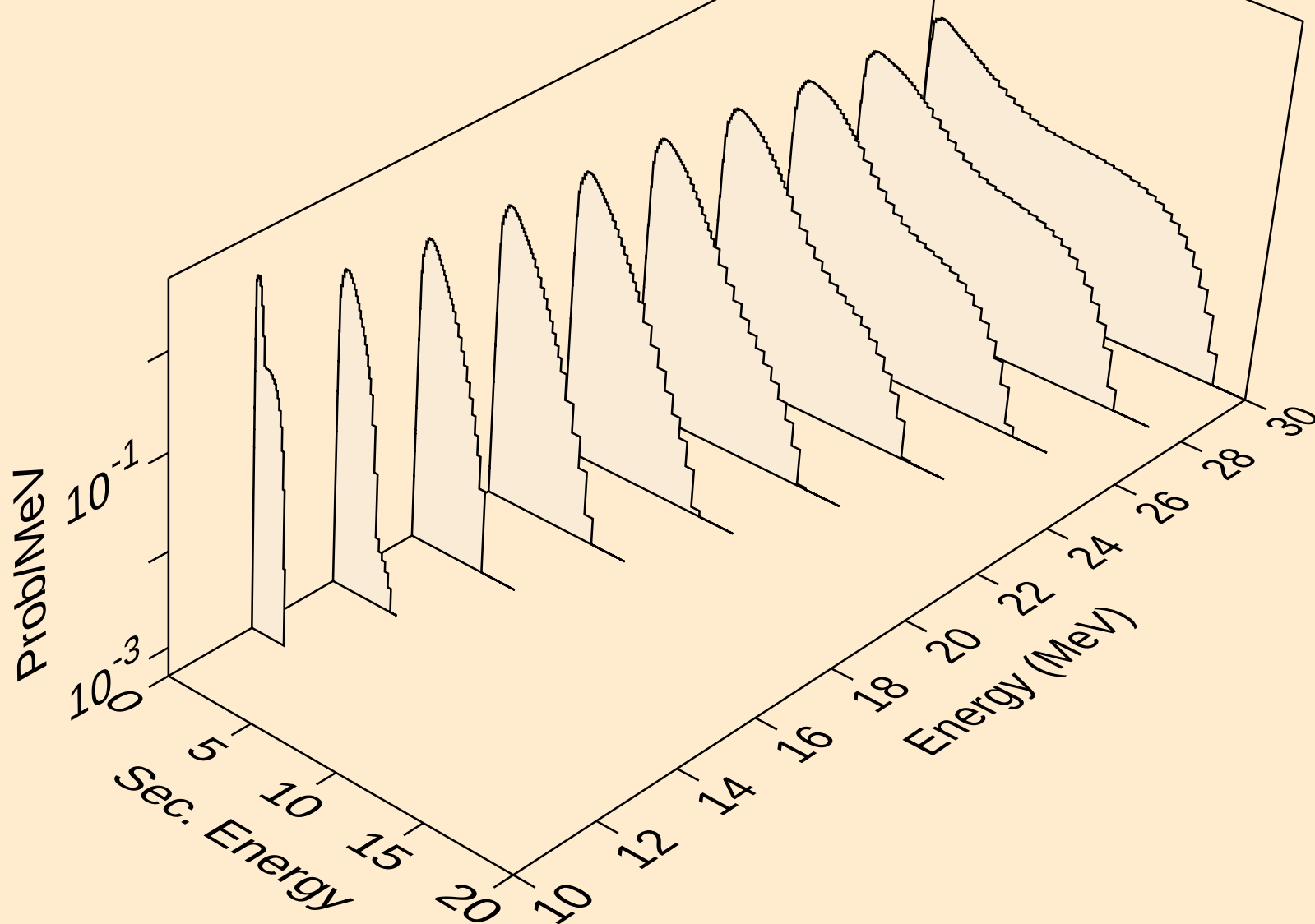
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

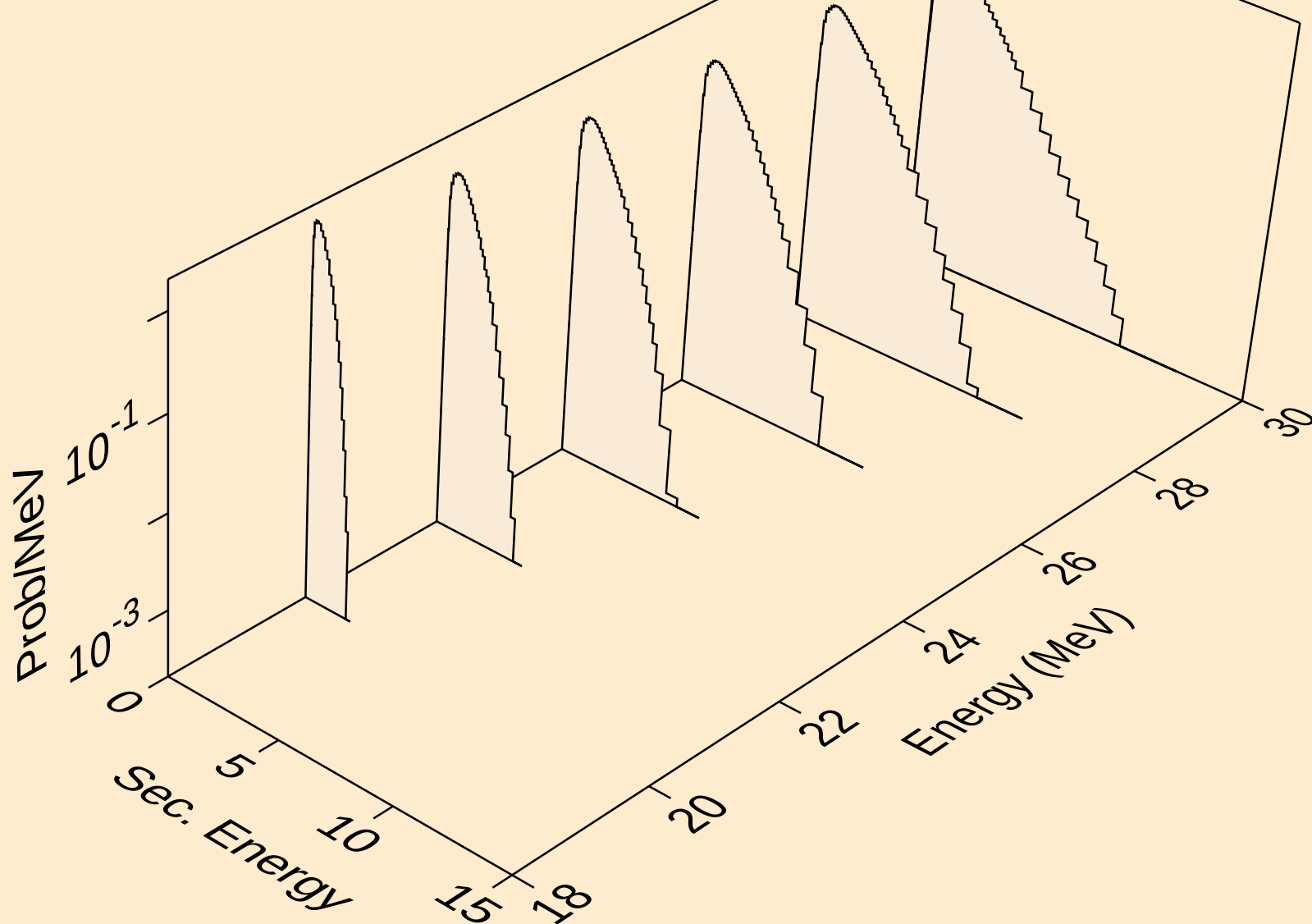


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

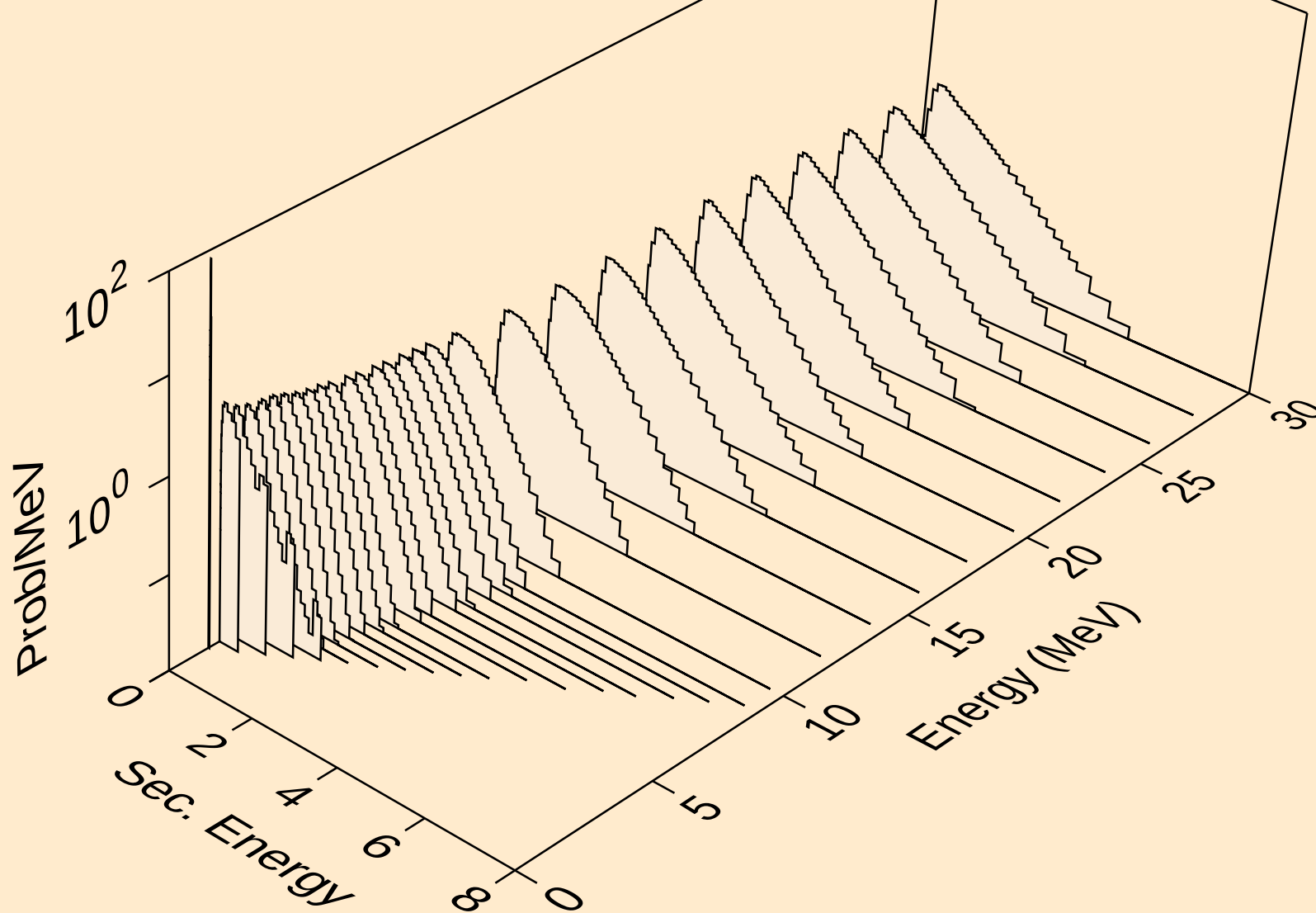




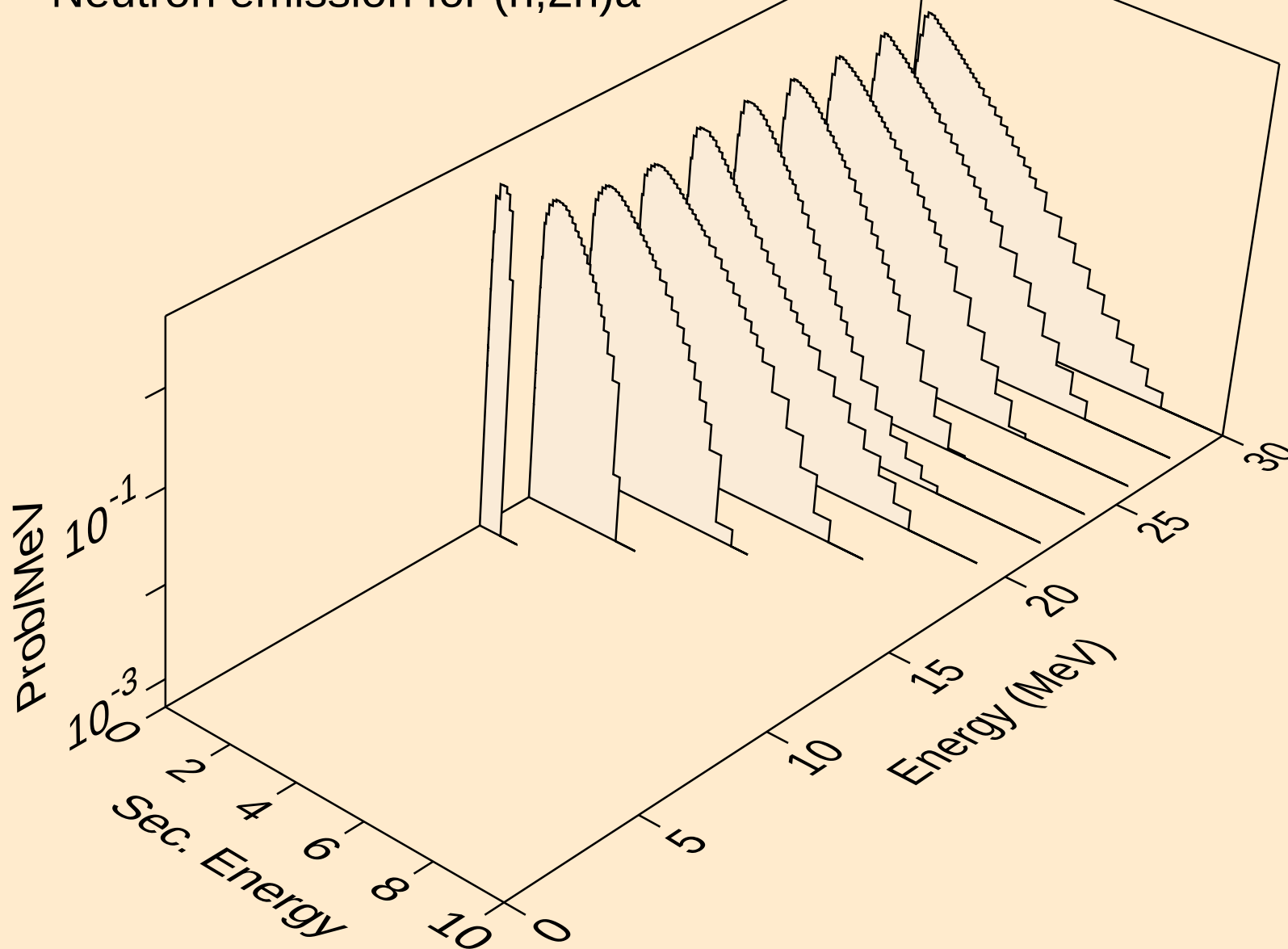
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Neutron emission for (n,3n)



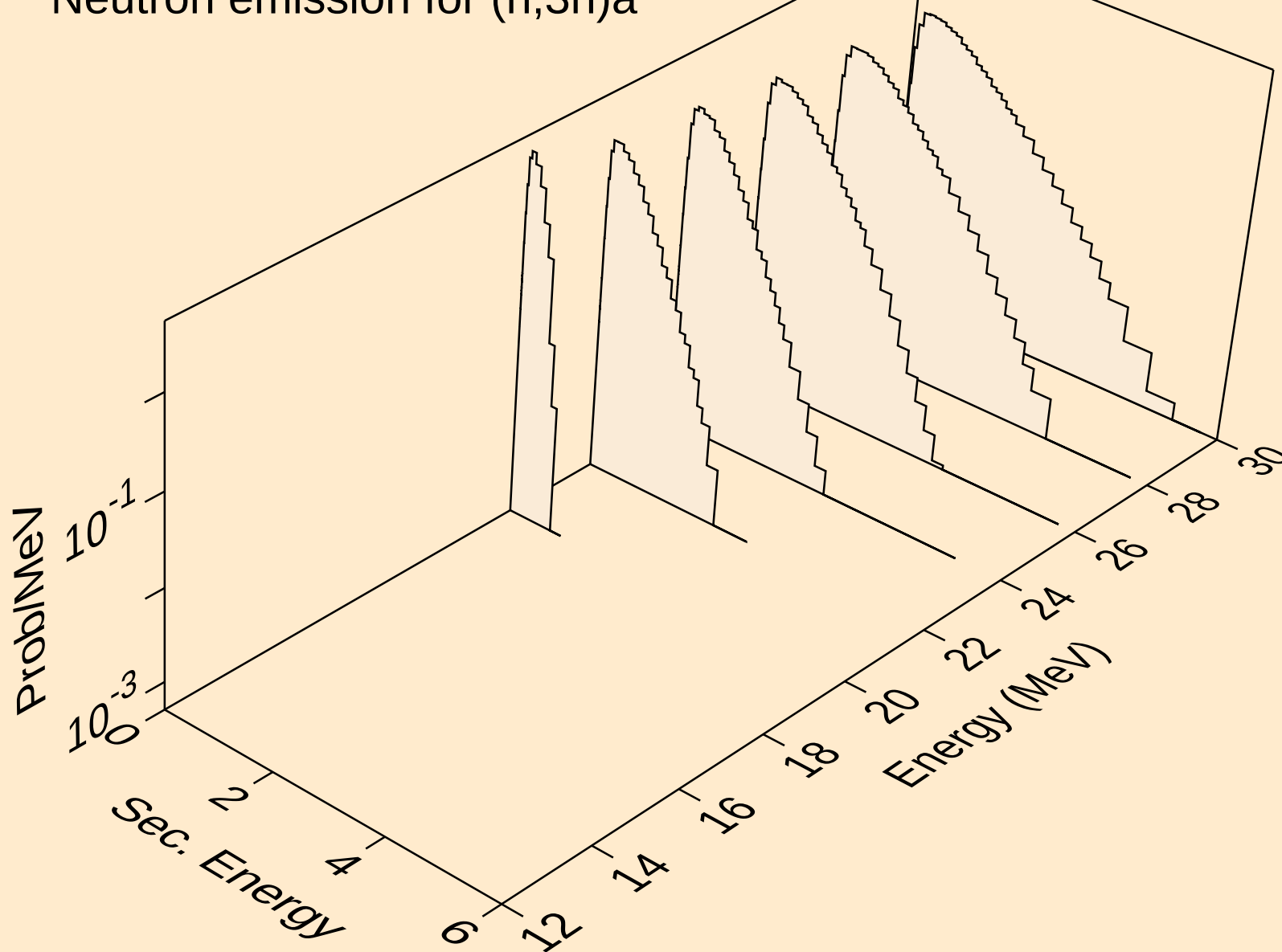
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Neutron emission for (n,n\*)a



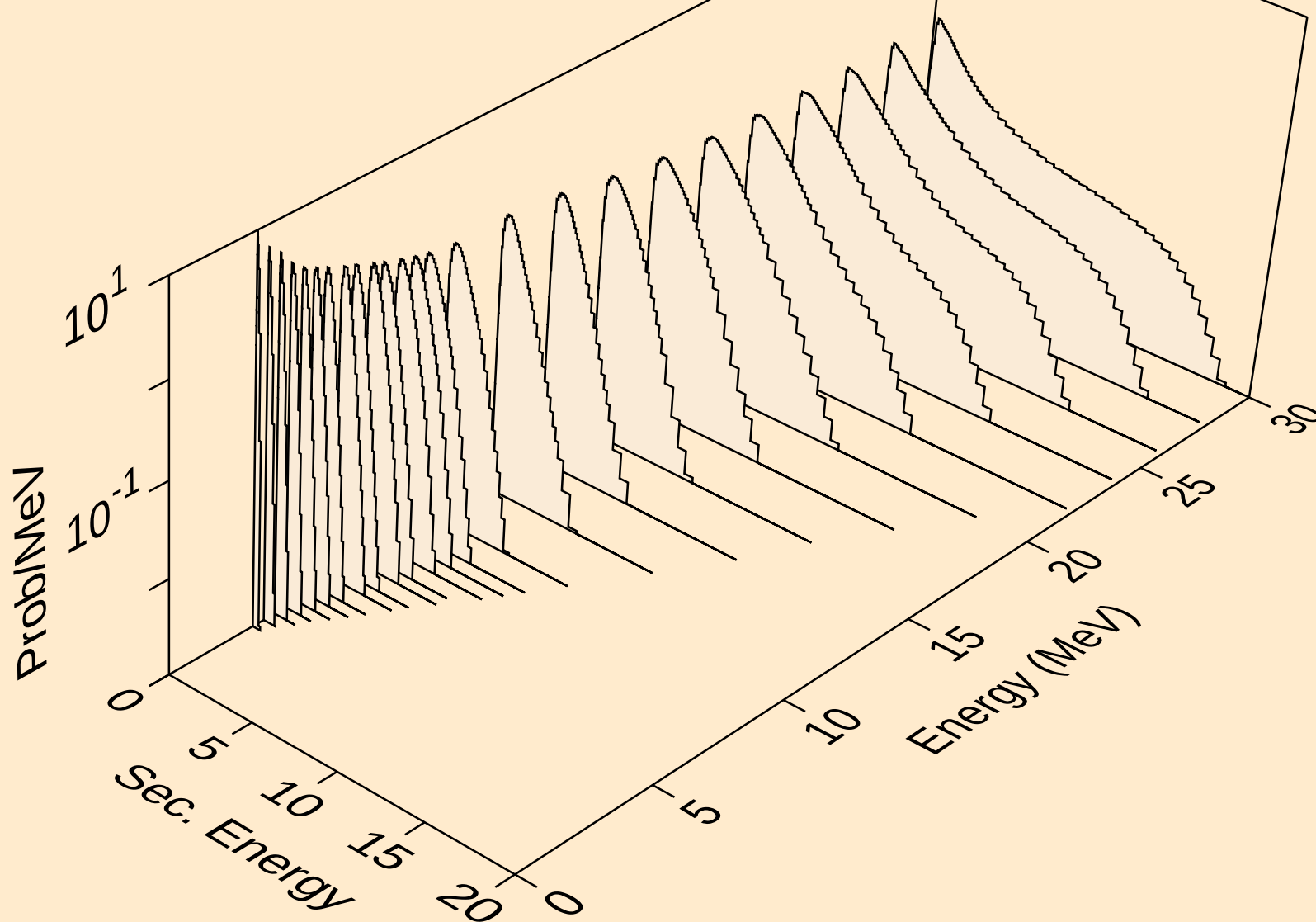
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Neutron emission for (n,2n)<sub>a</sub>



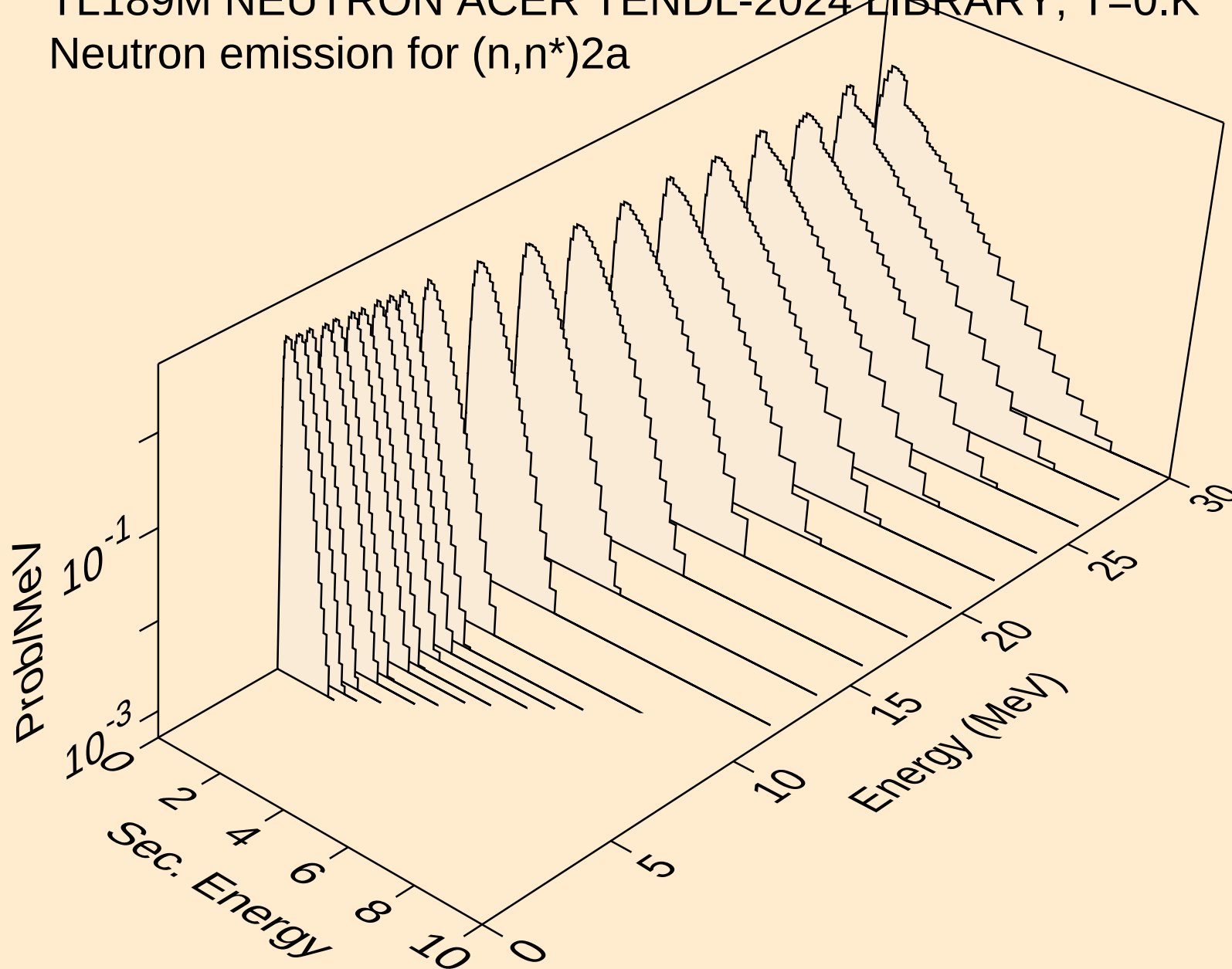
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Neutron emission for (n,3n)a



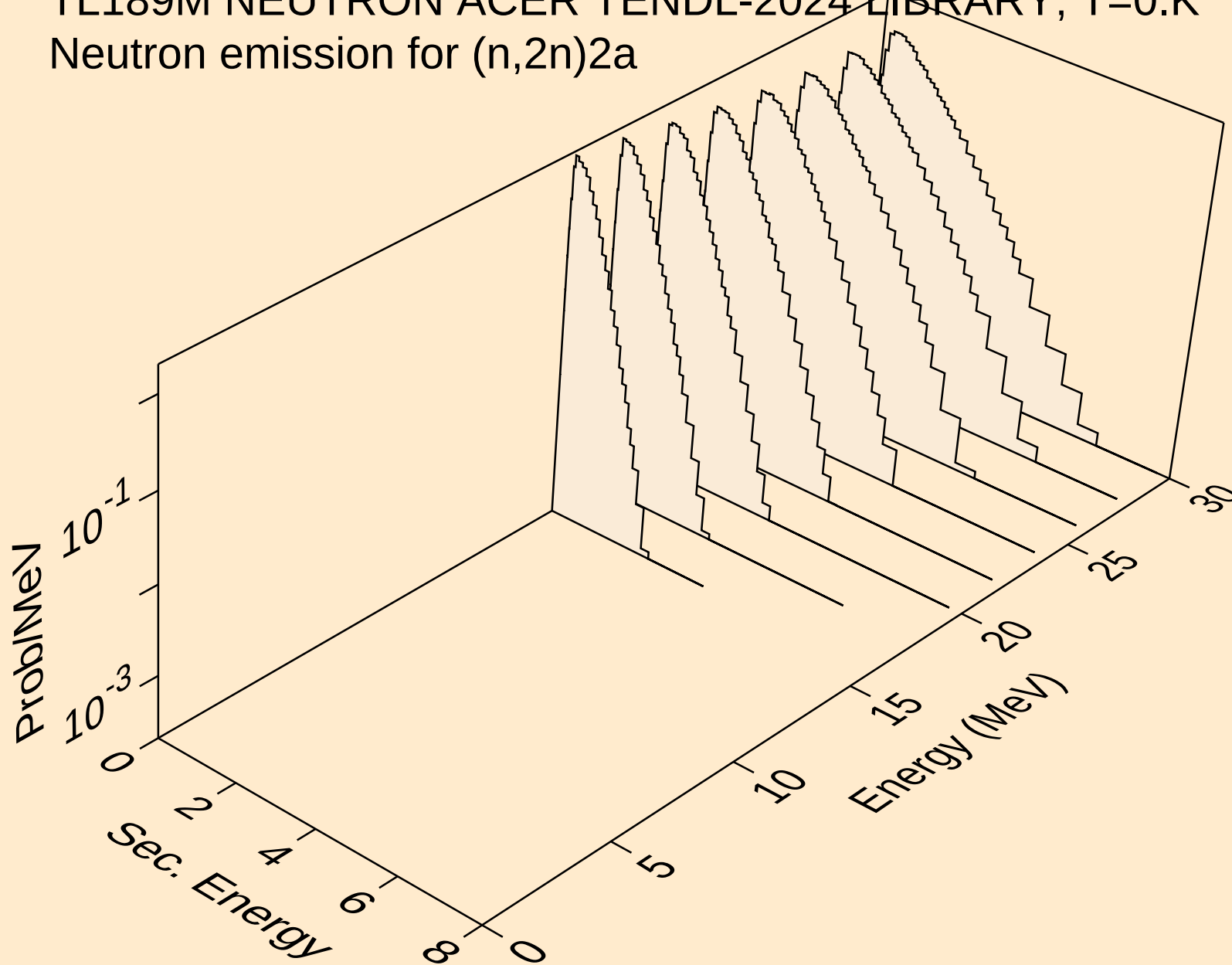
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Neutron emission for (n,n\*)p



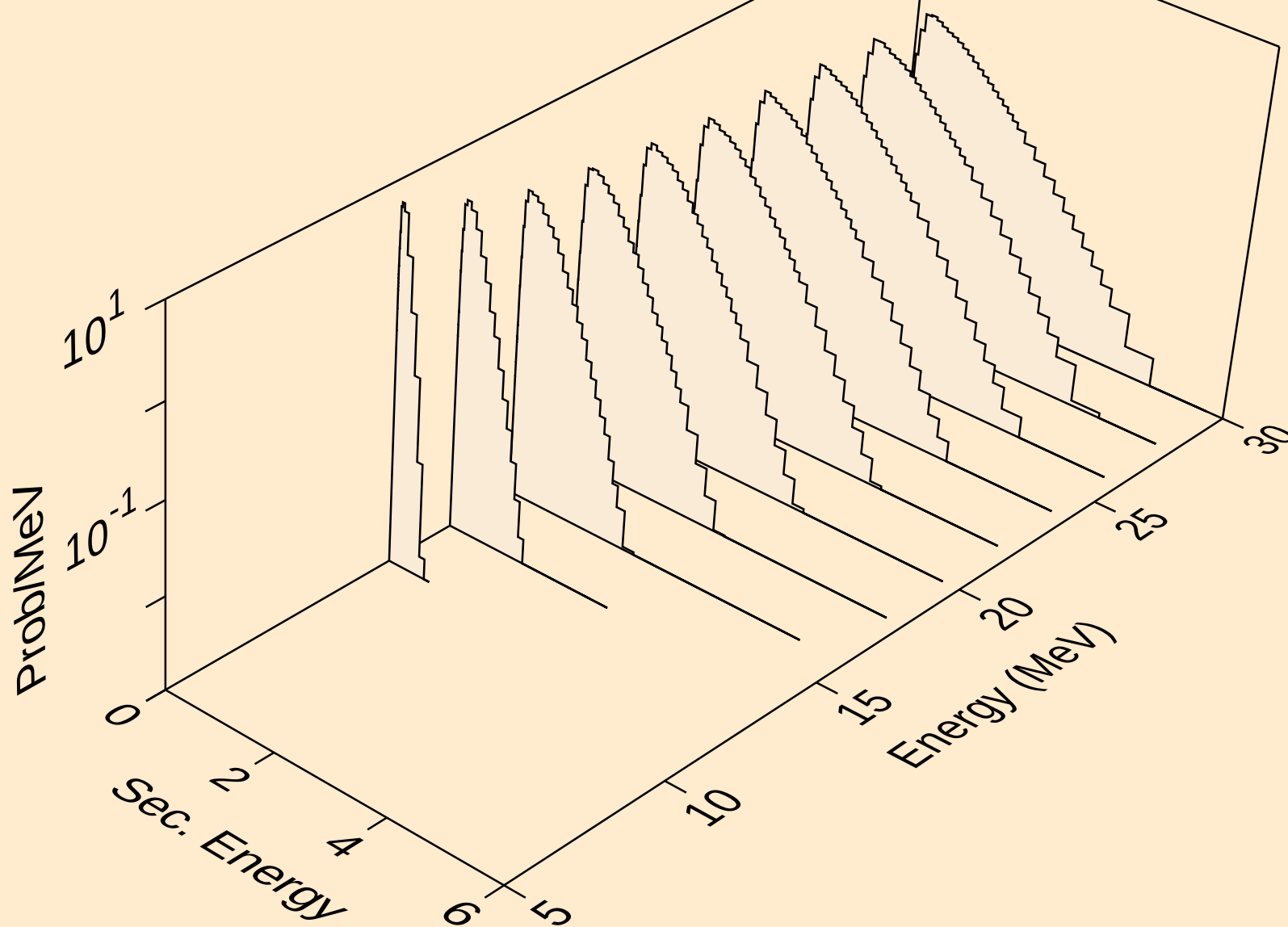
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

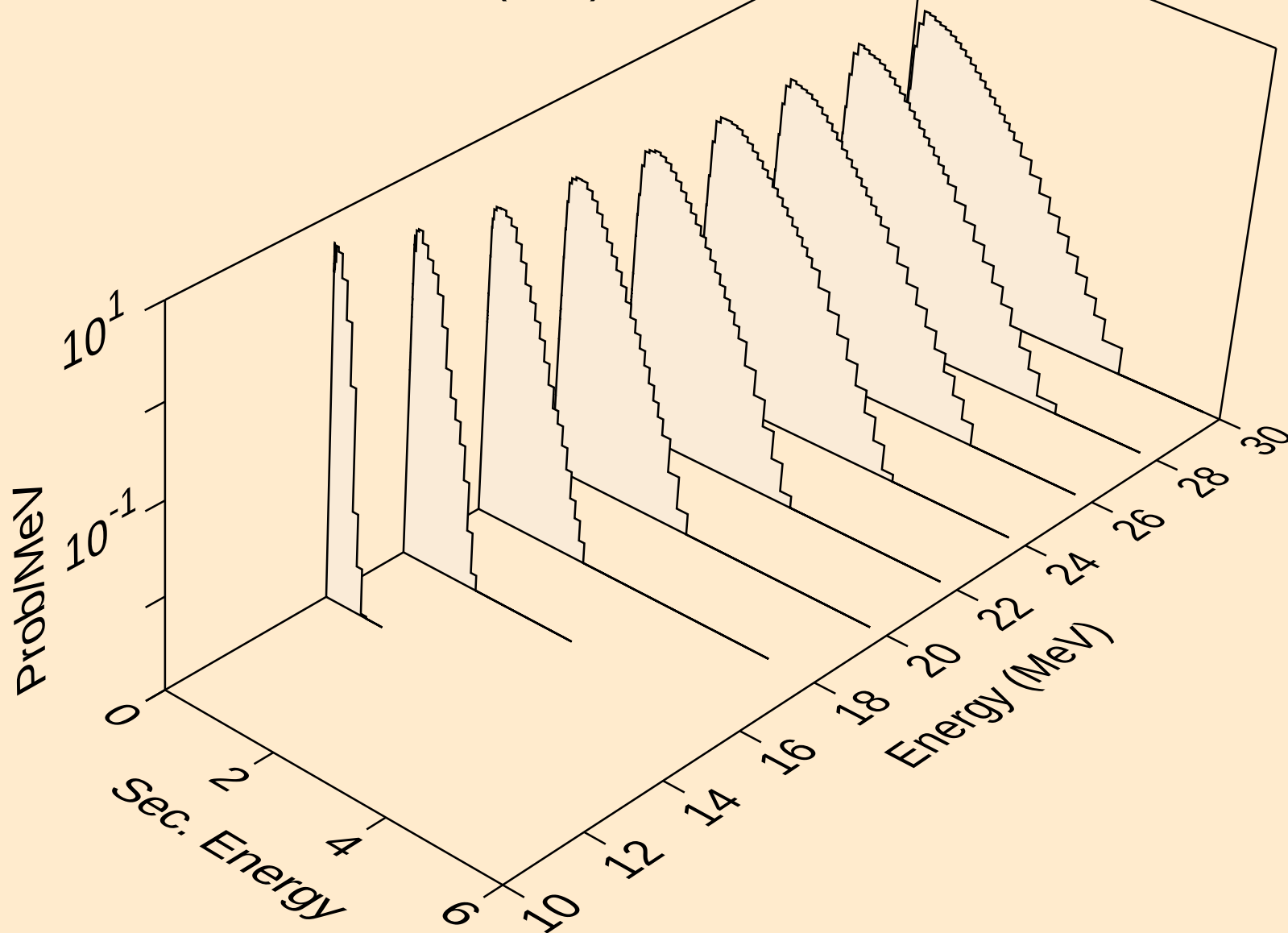


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

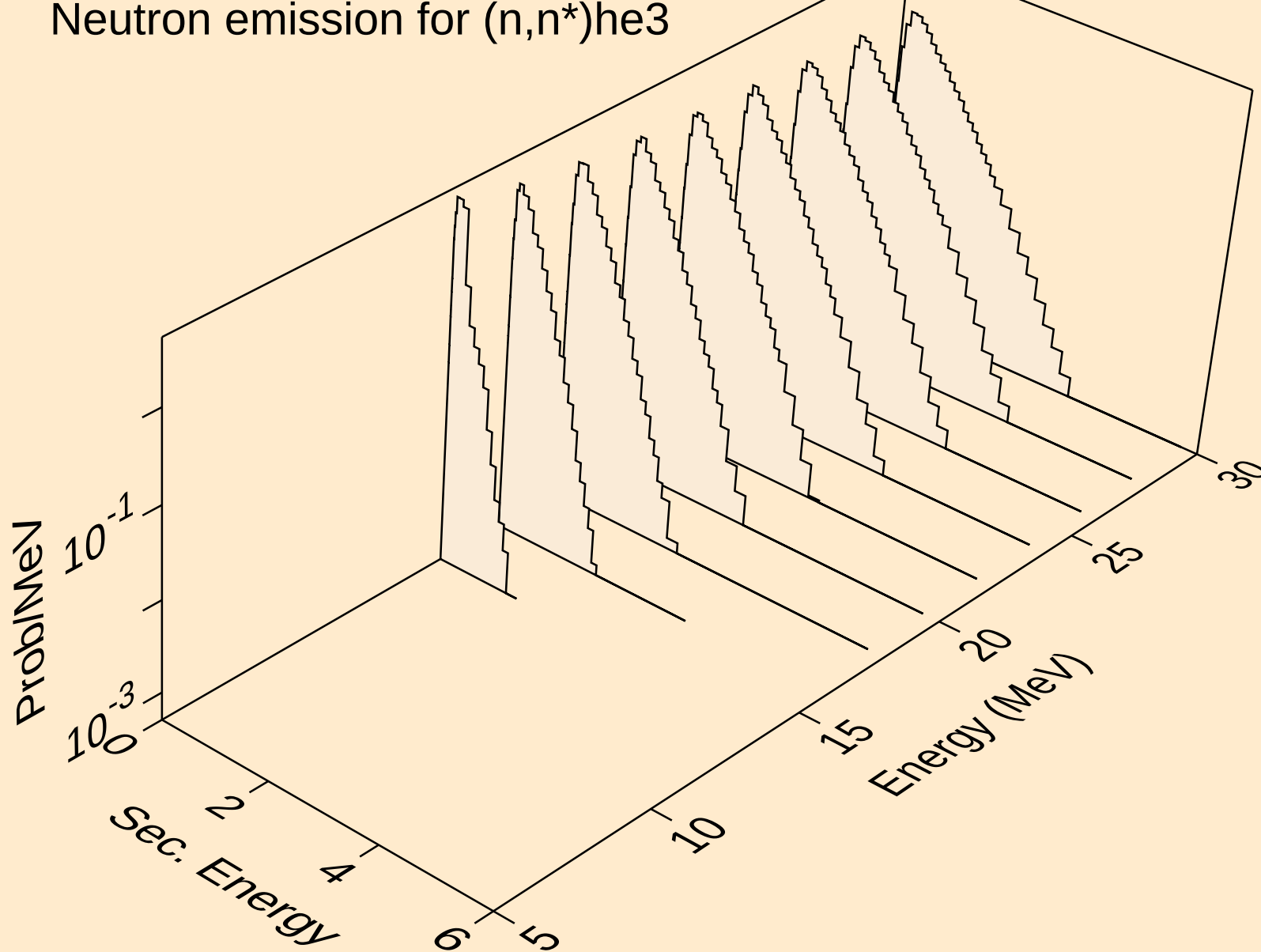




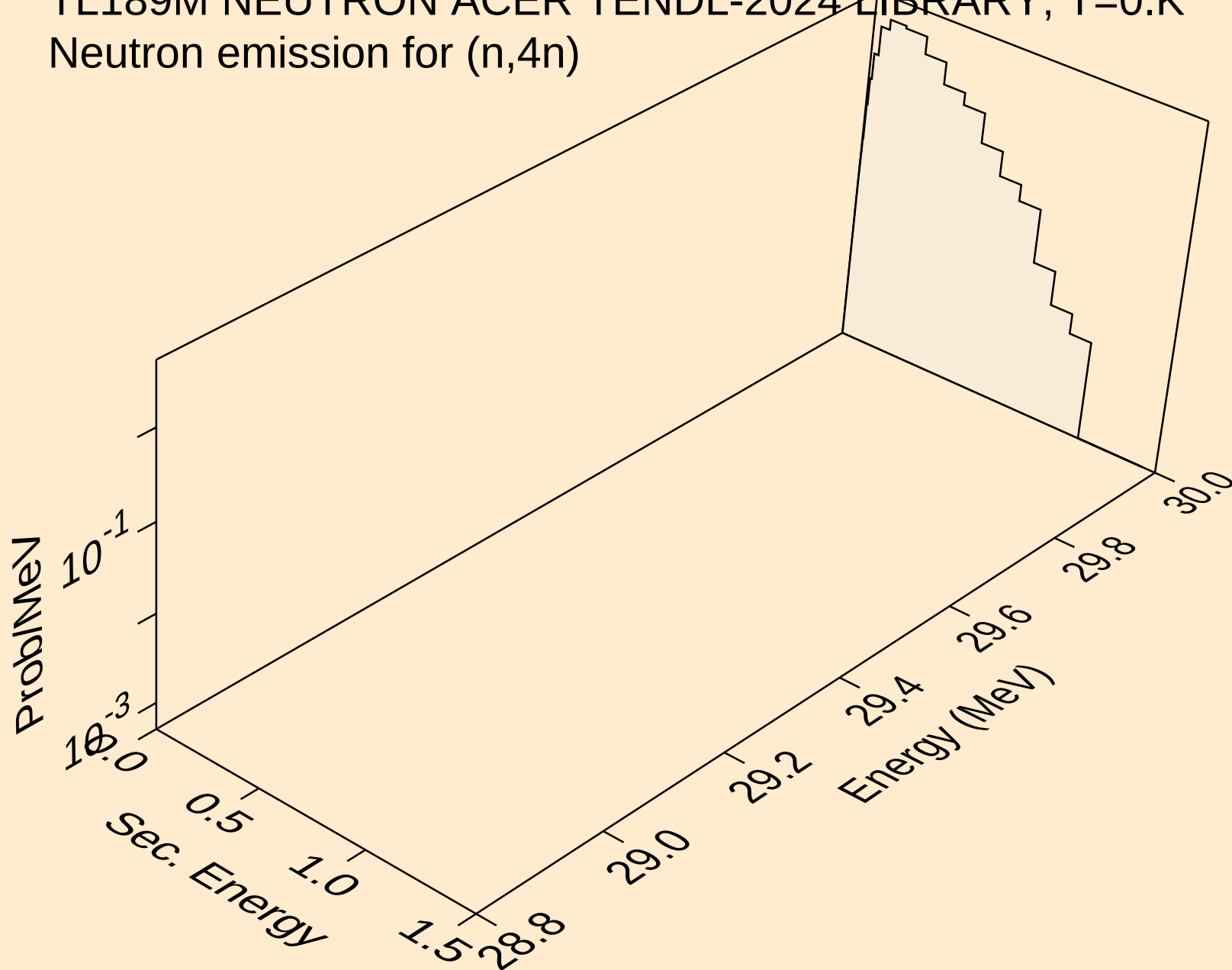
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



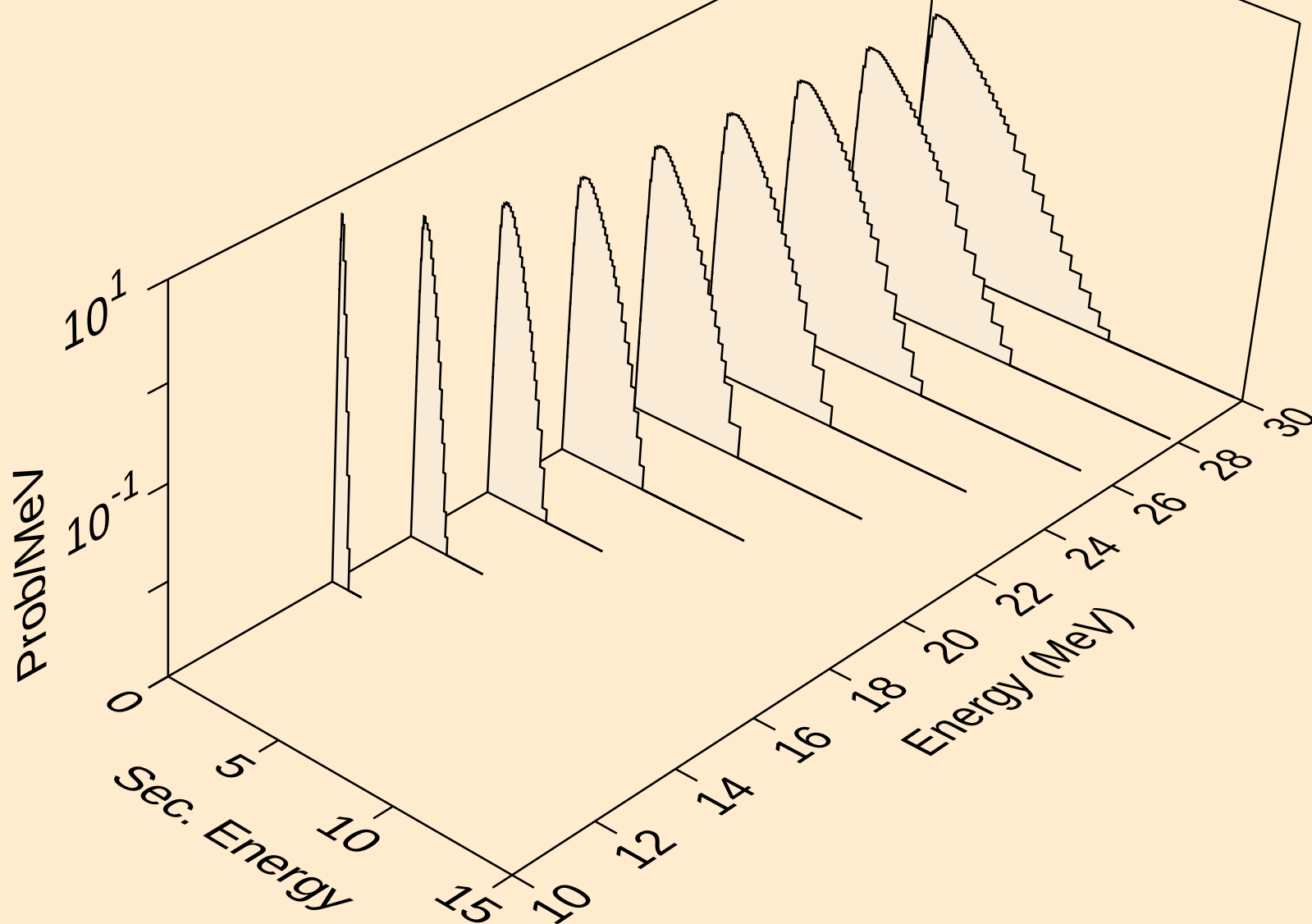
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



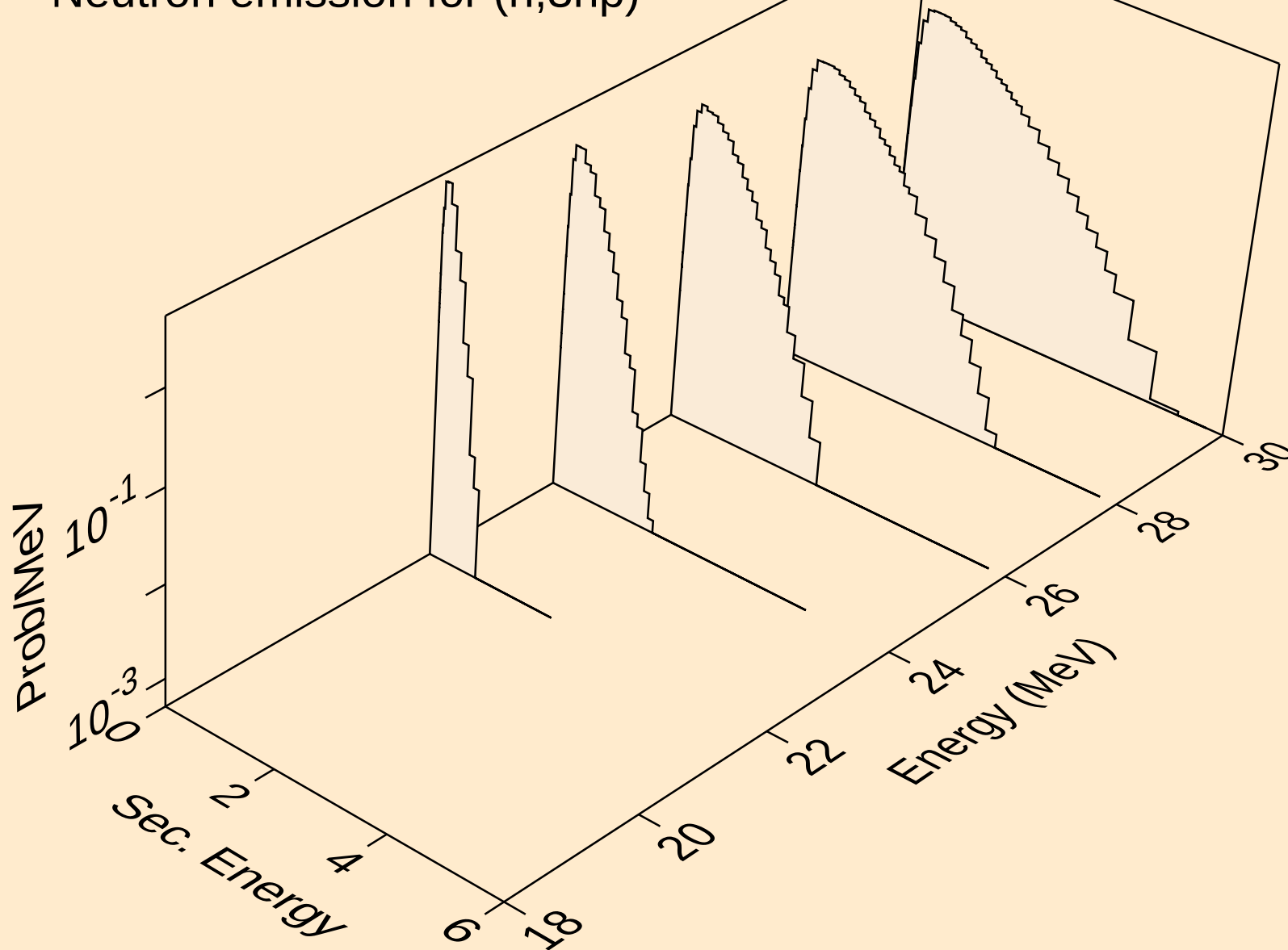
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



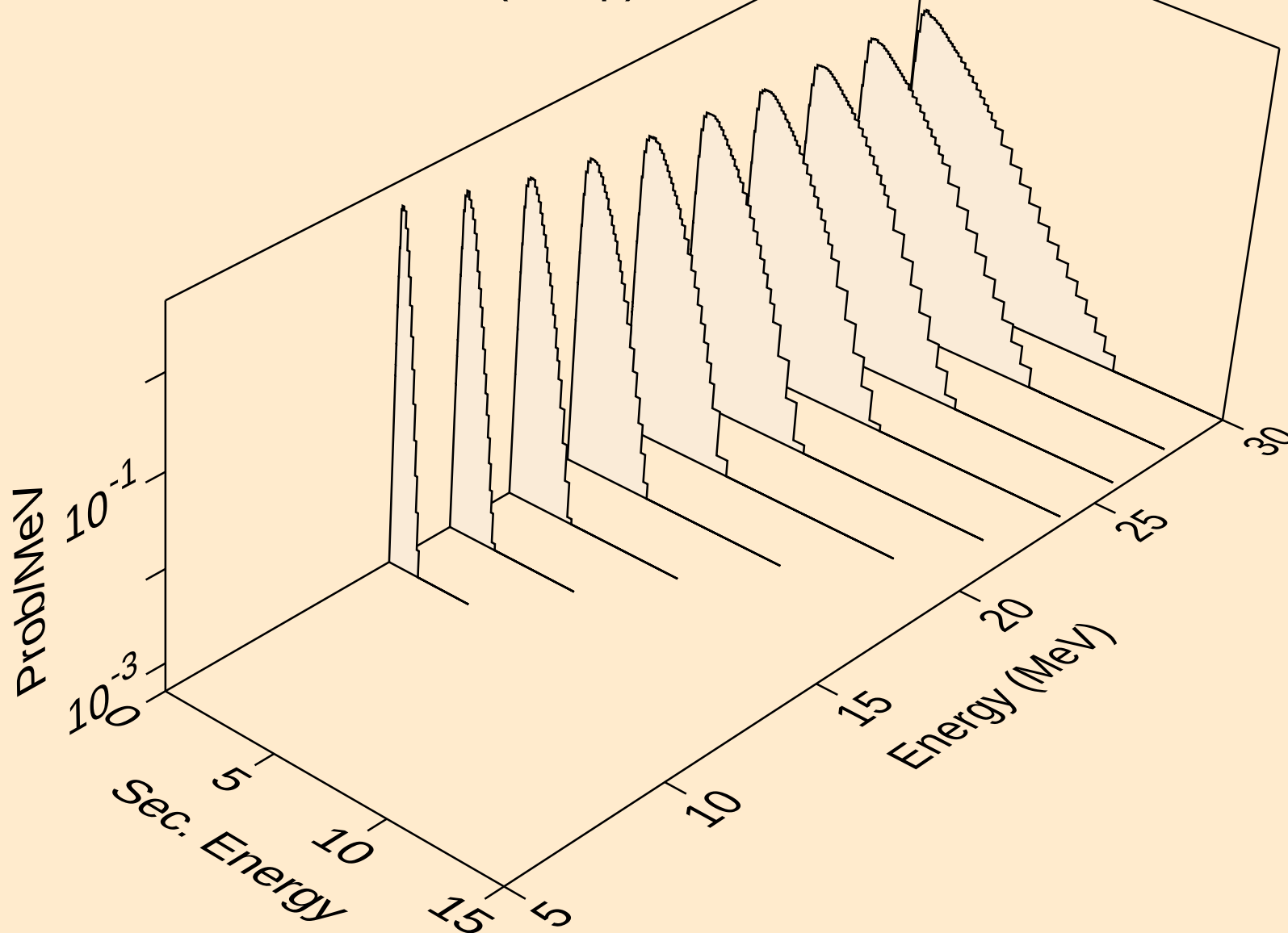
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Neutron emission for (n,2np)



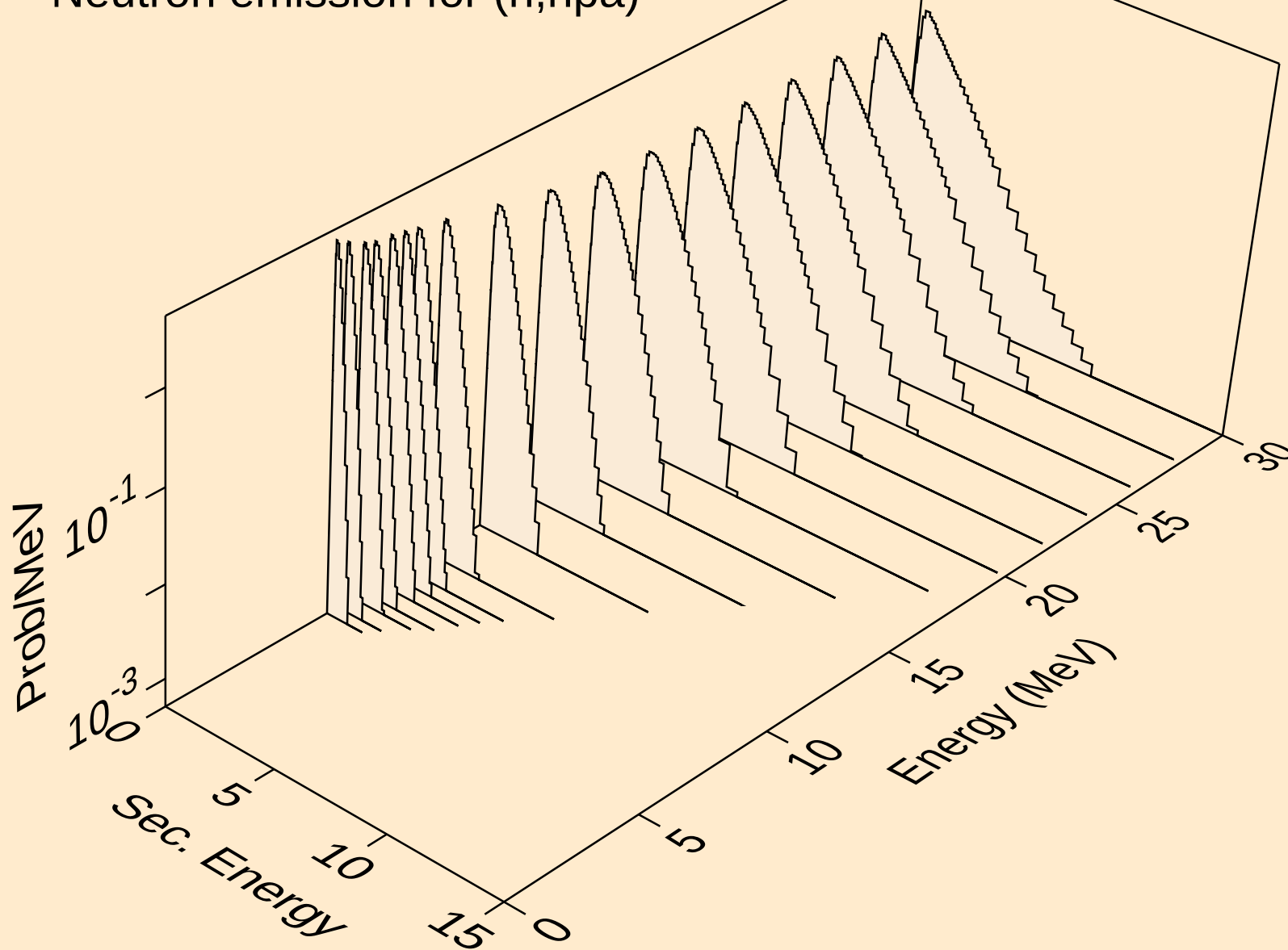
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Neutron emission for (n,3np)



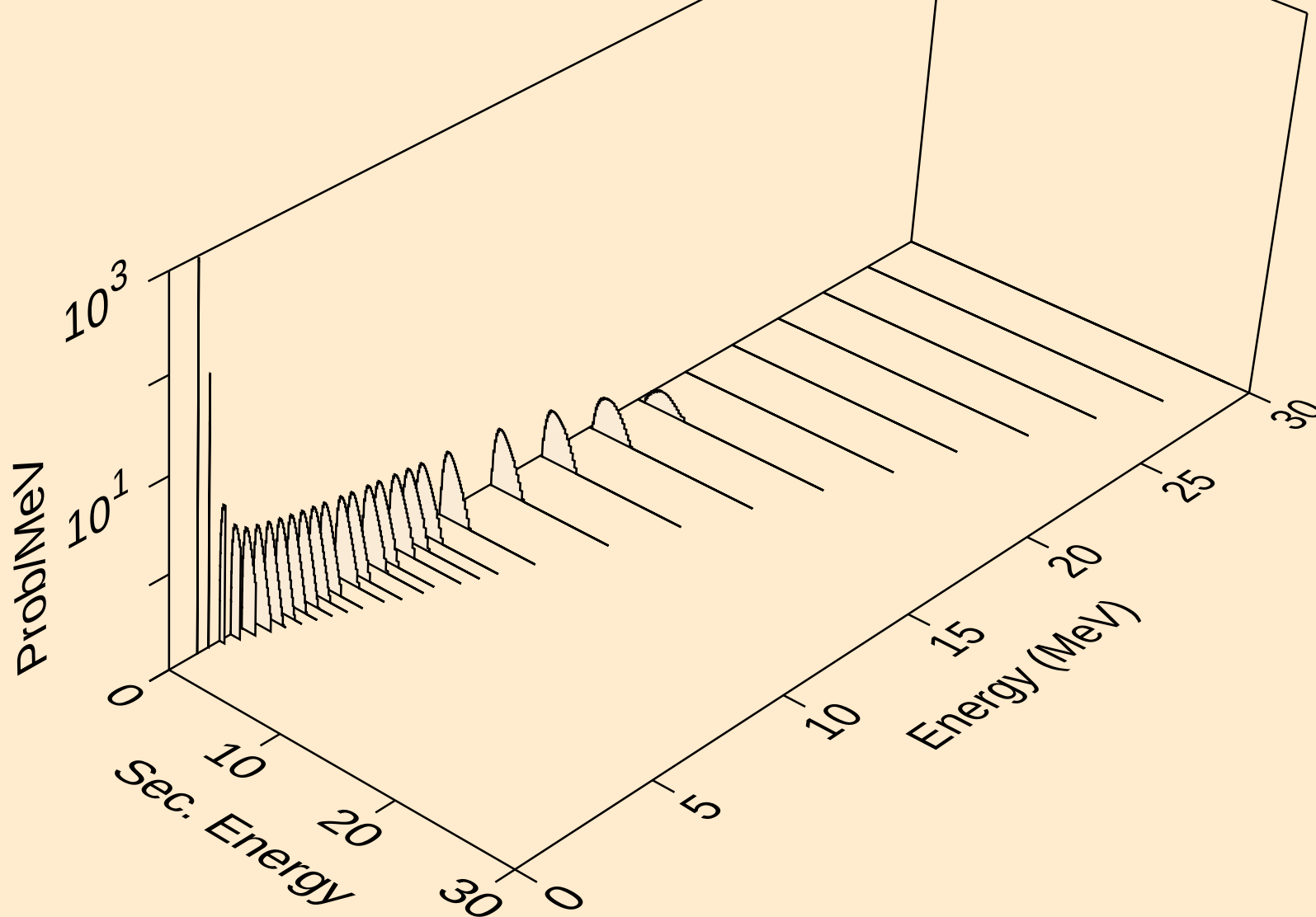
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

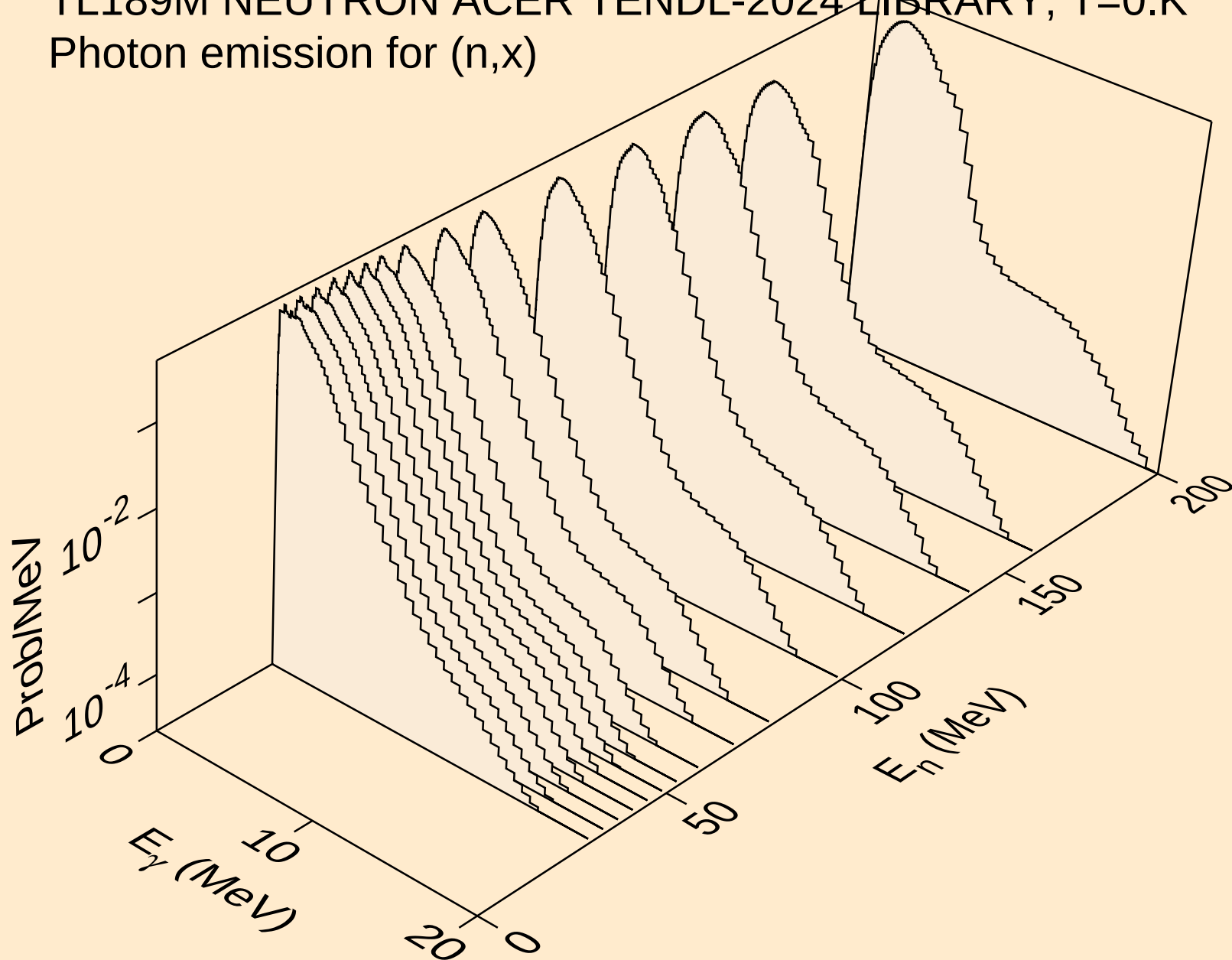


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

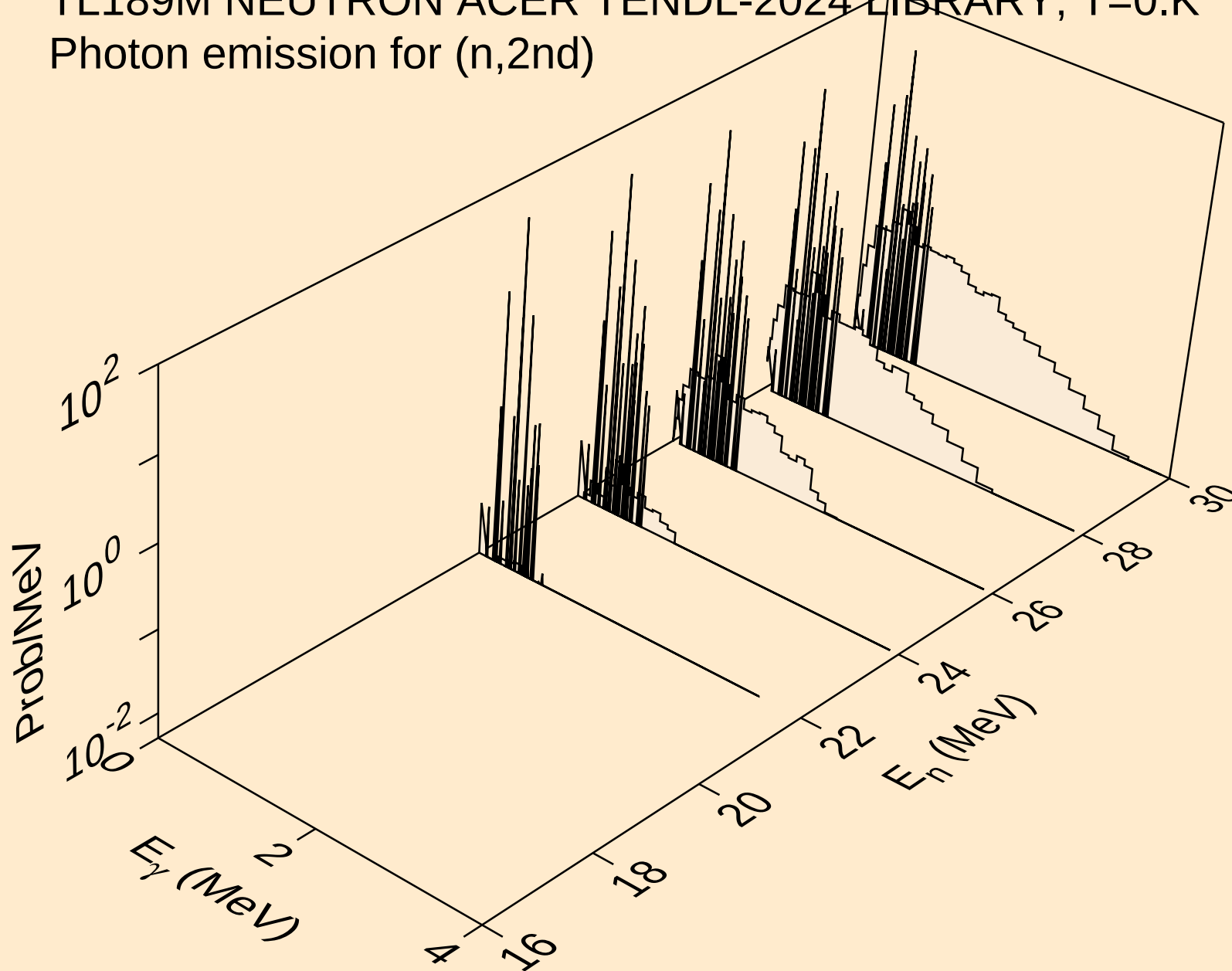




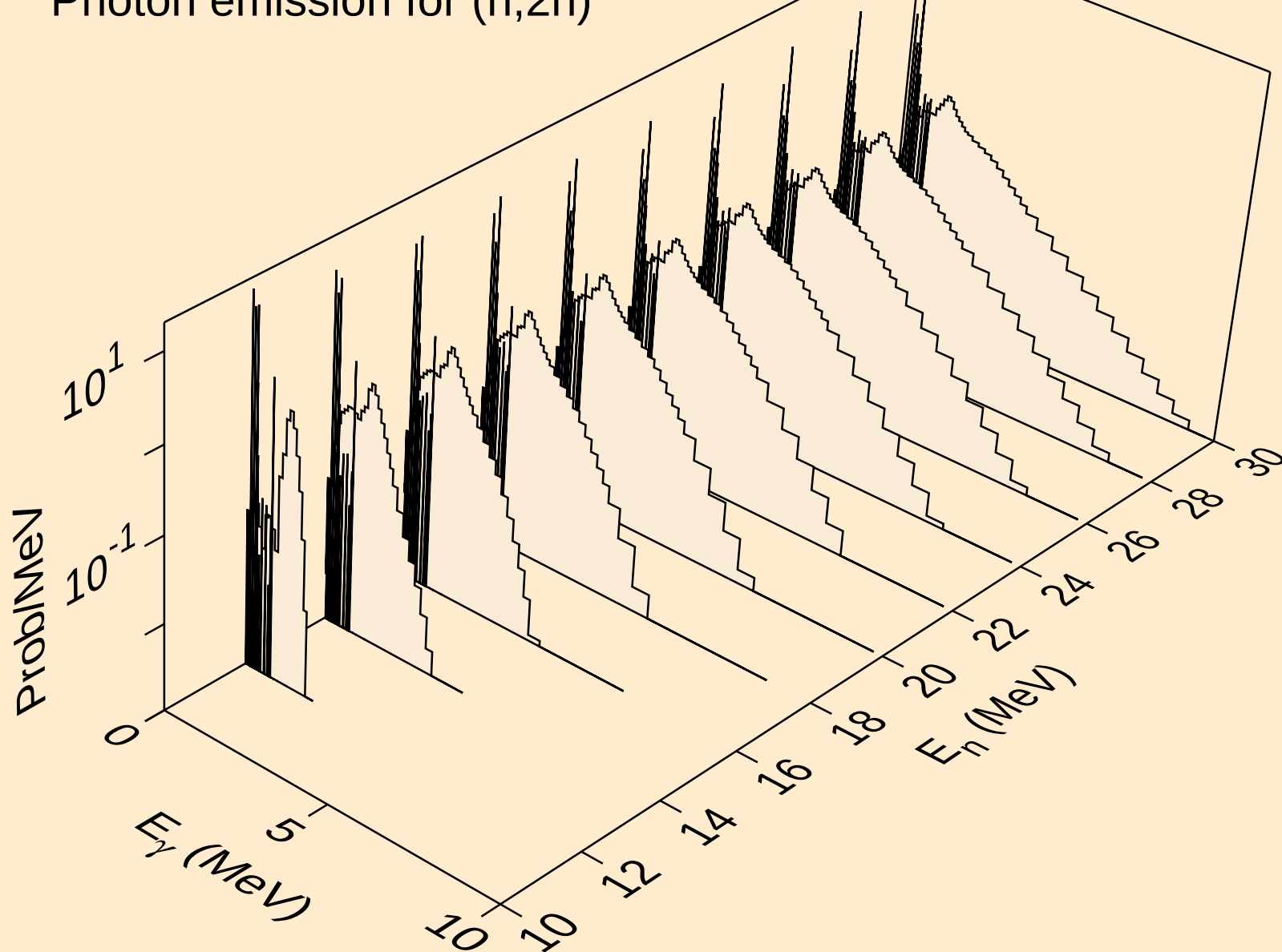
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



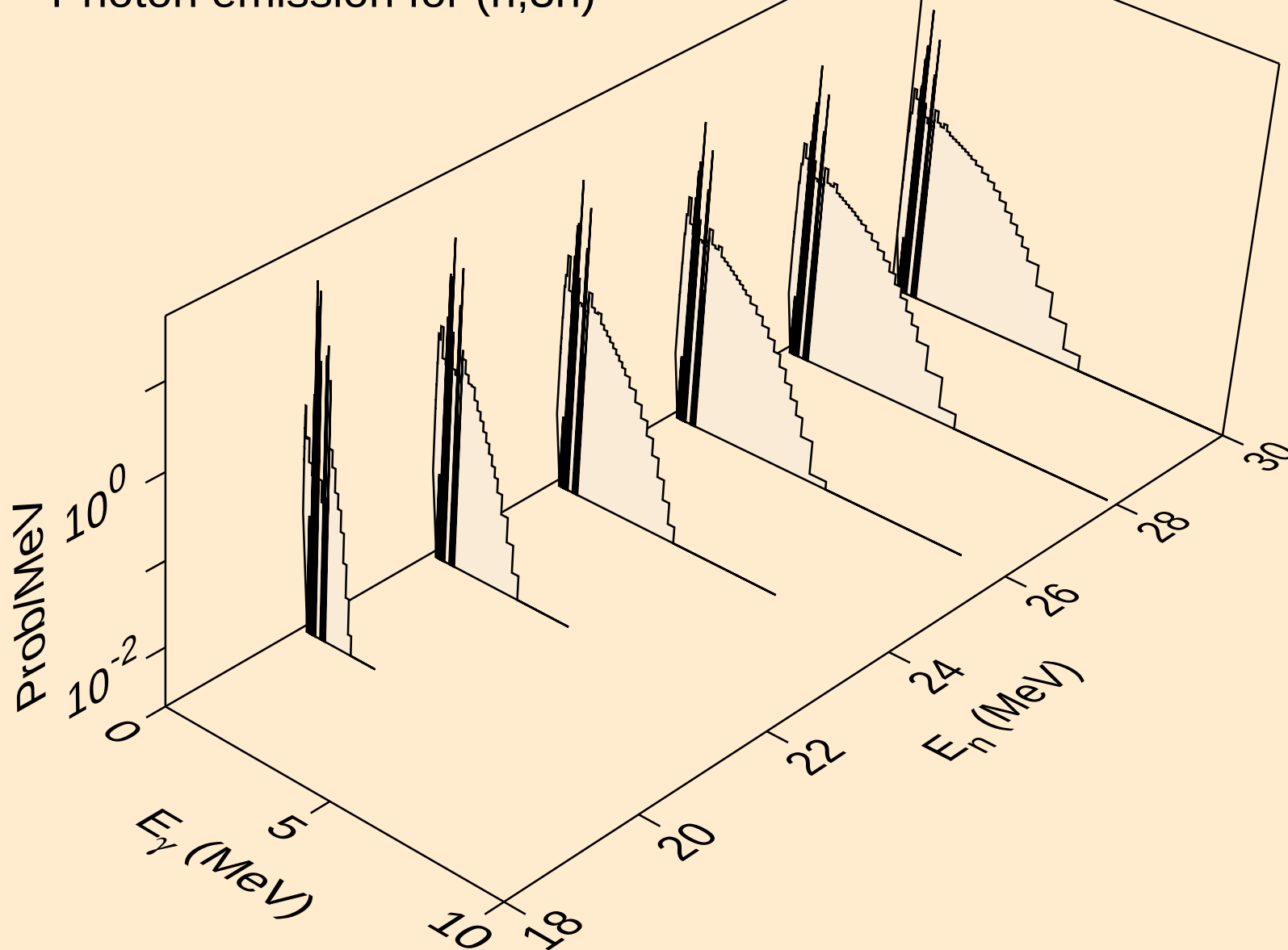
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Photon emission for (n,2nd)



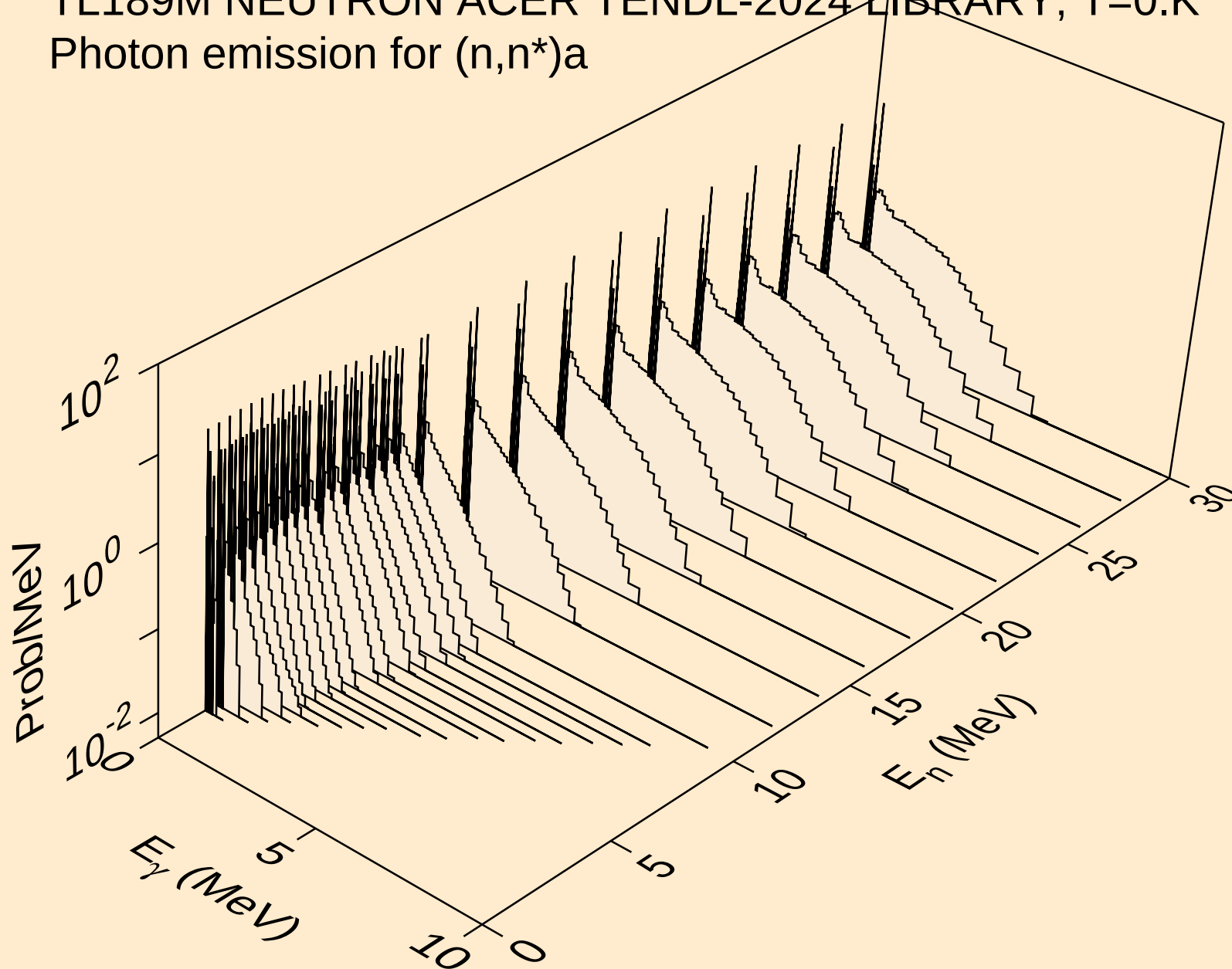
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Photon emission for (n,2n)



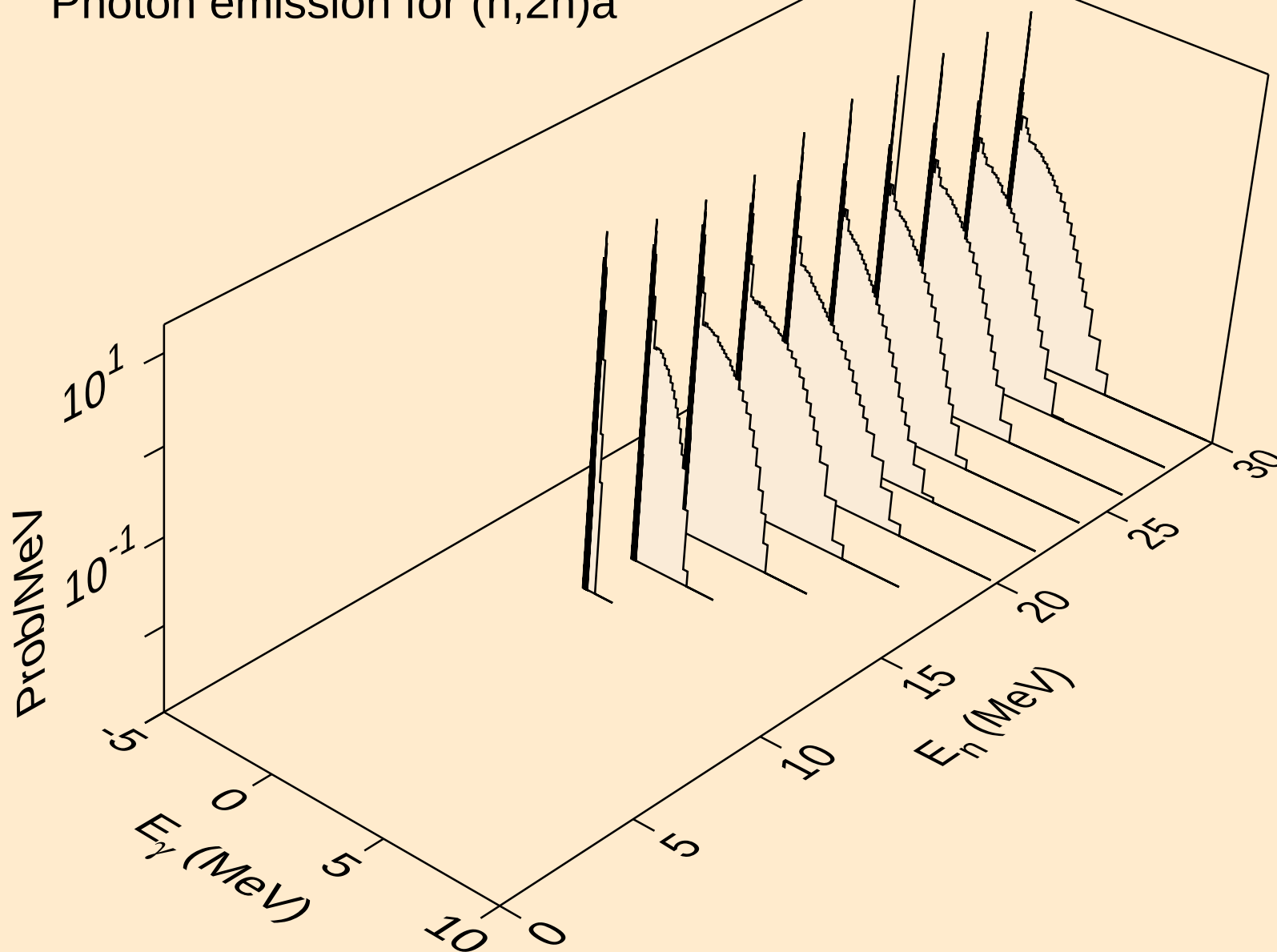
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Photon emission for (n,3n)



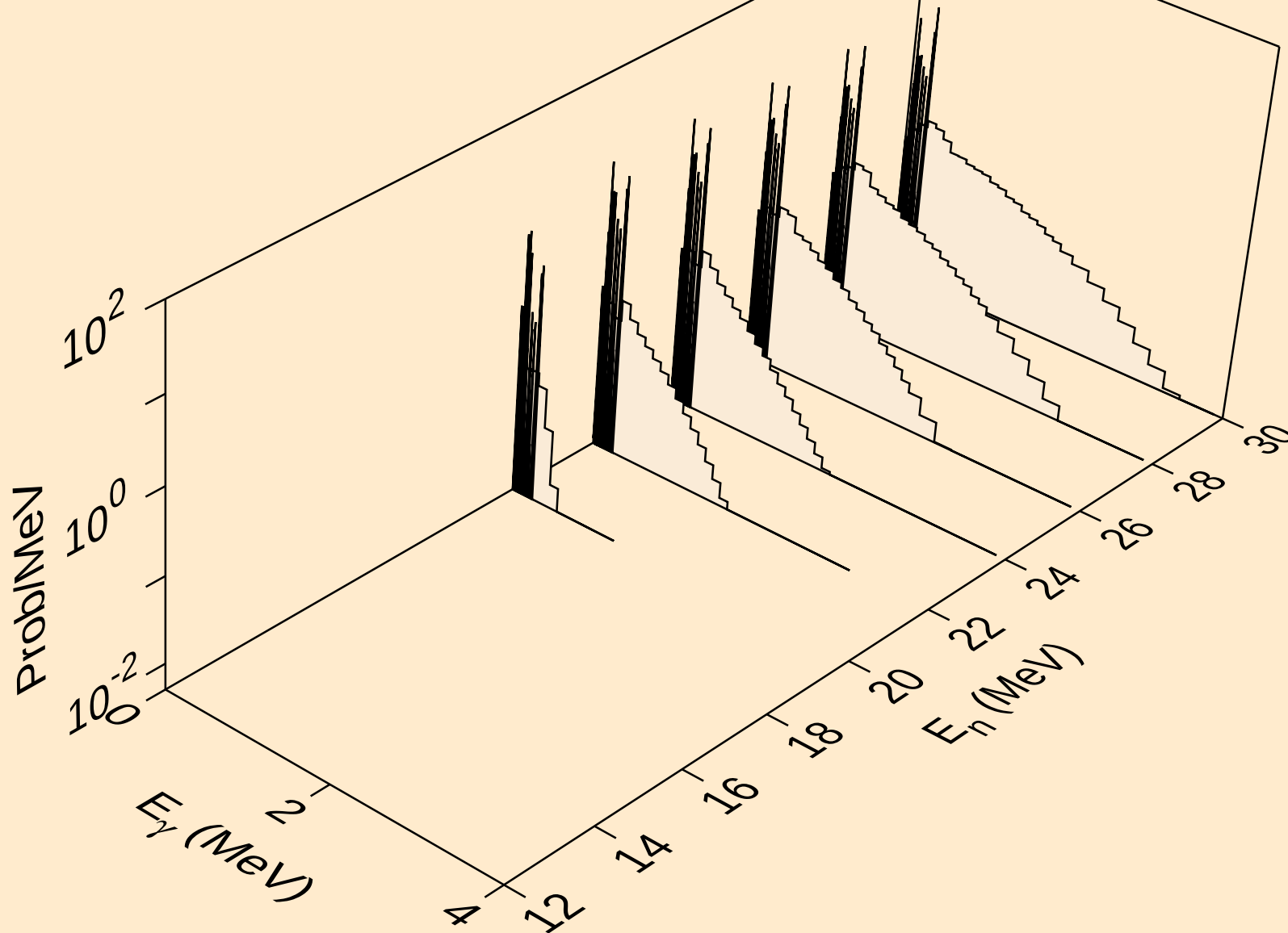
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Photon emission for (n,n\*)a



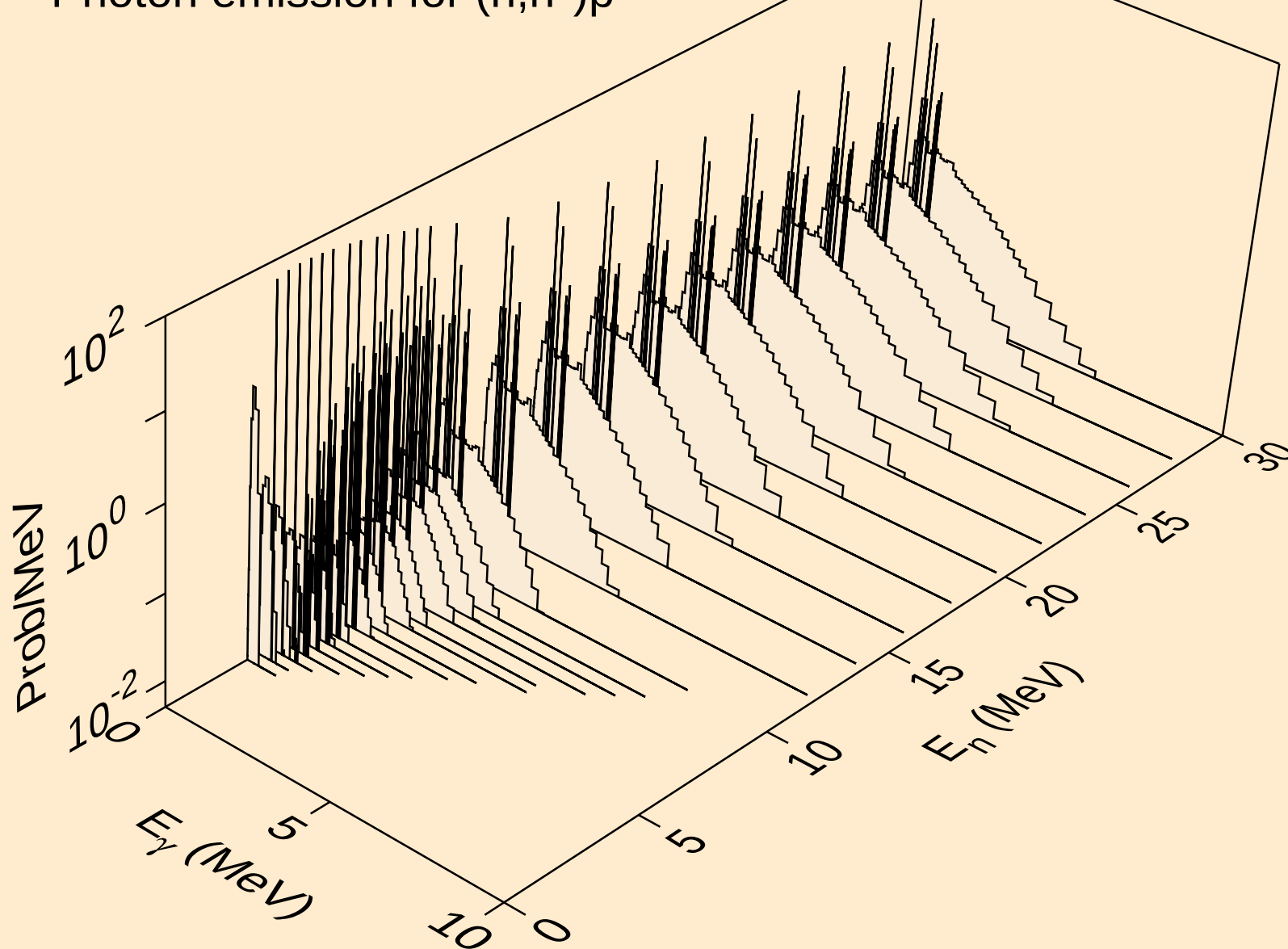
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n) $\alpha$

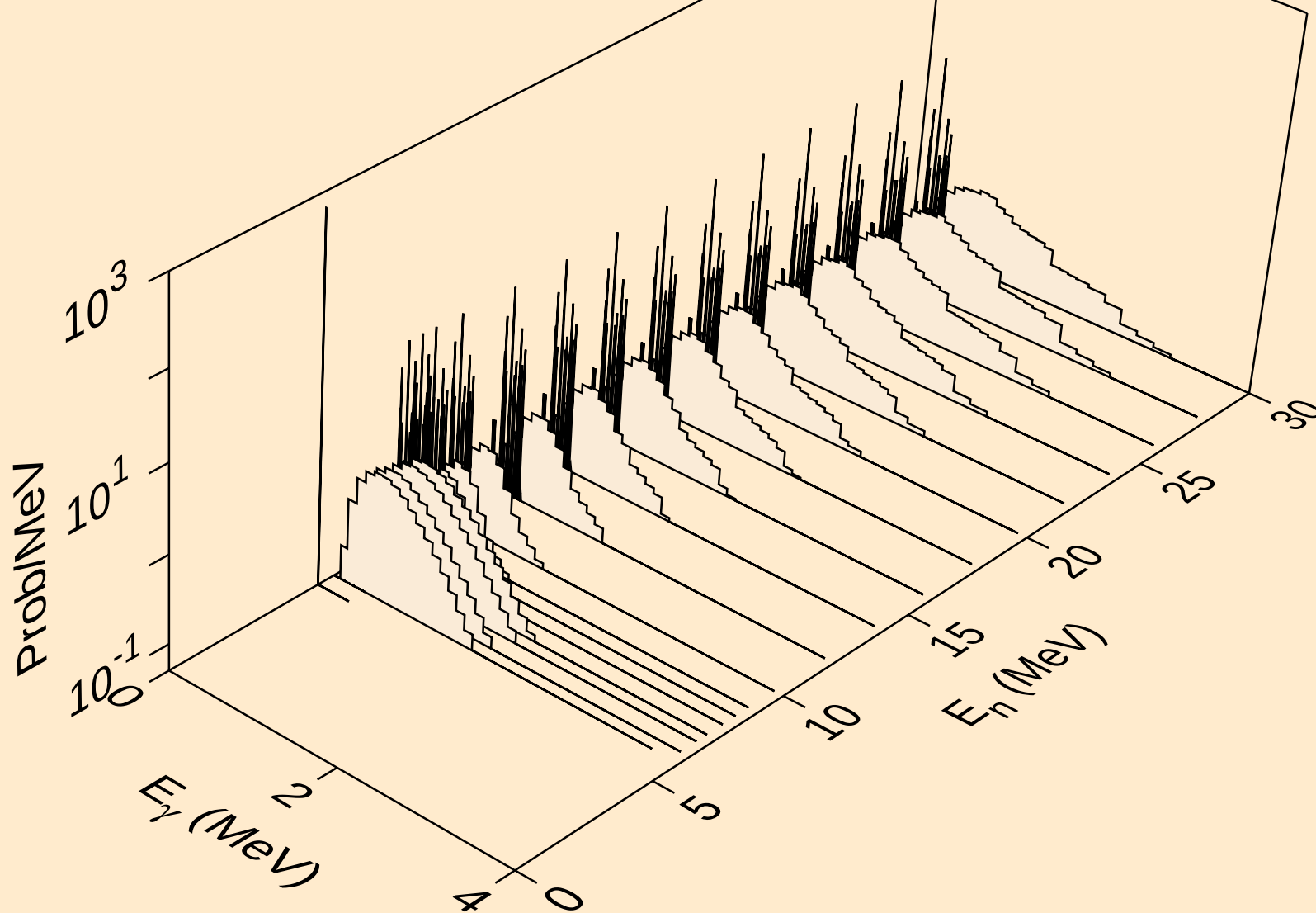


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

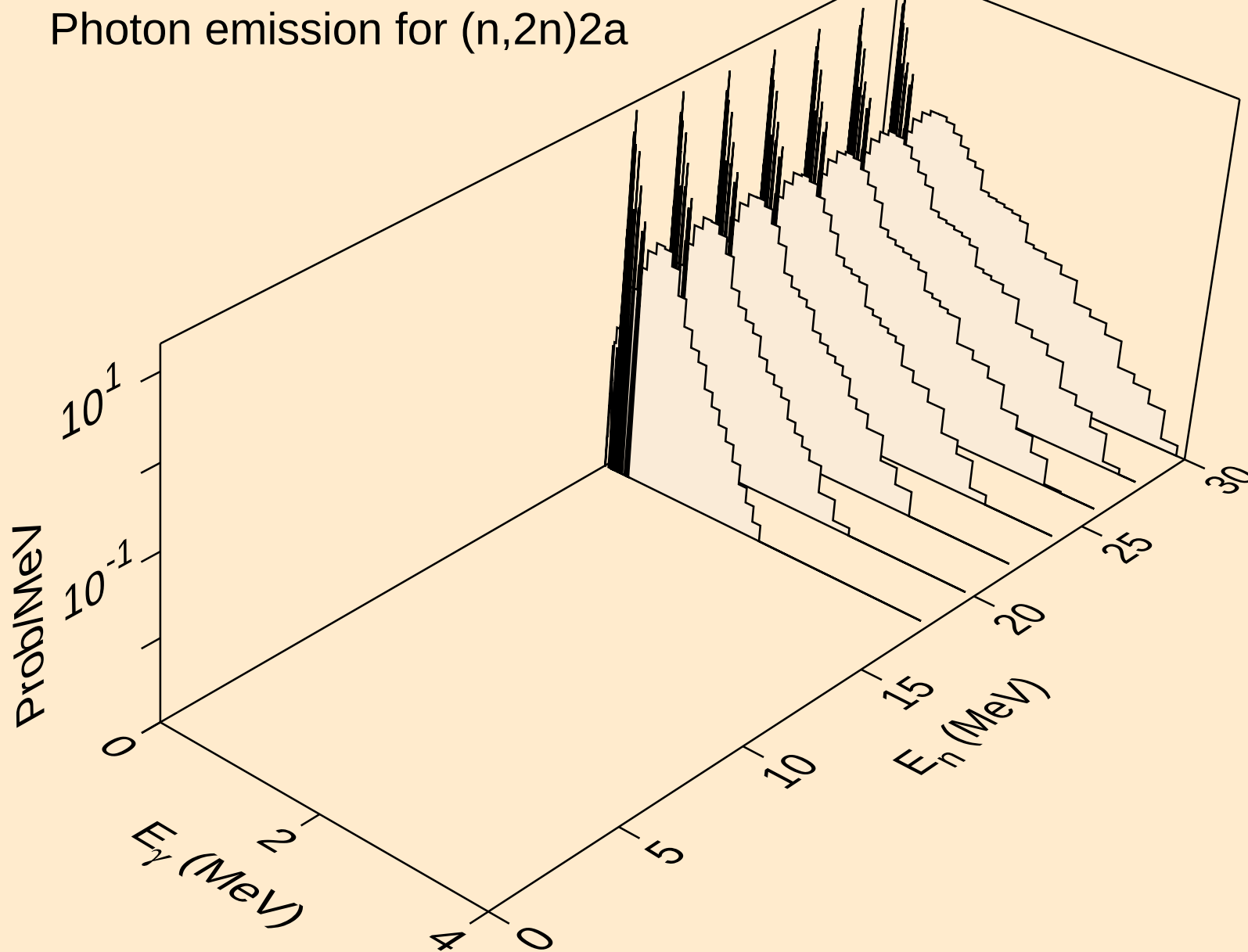




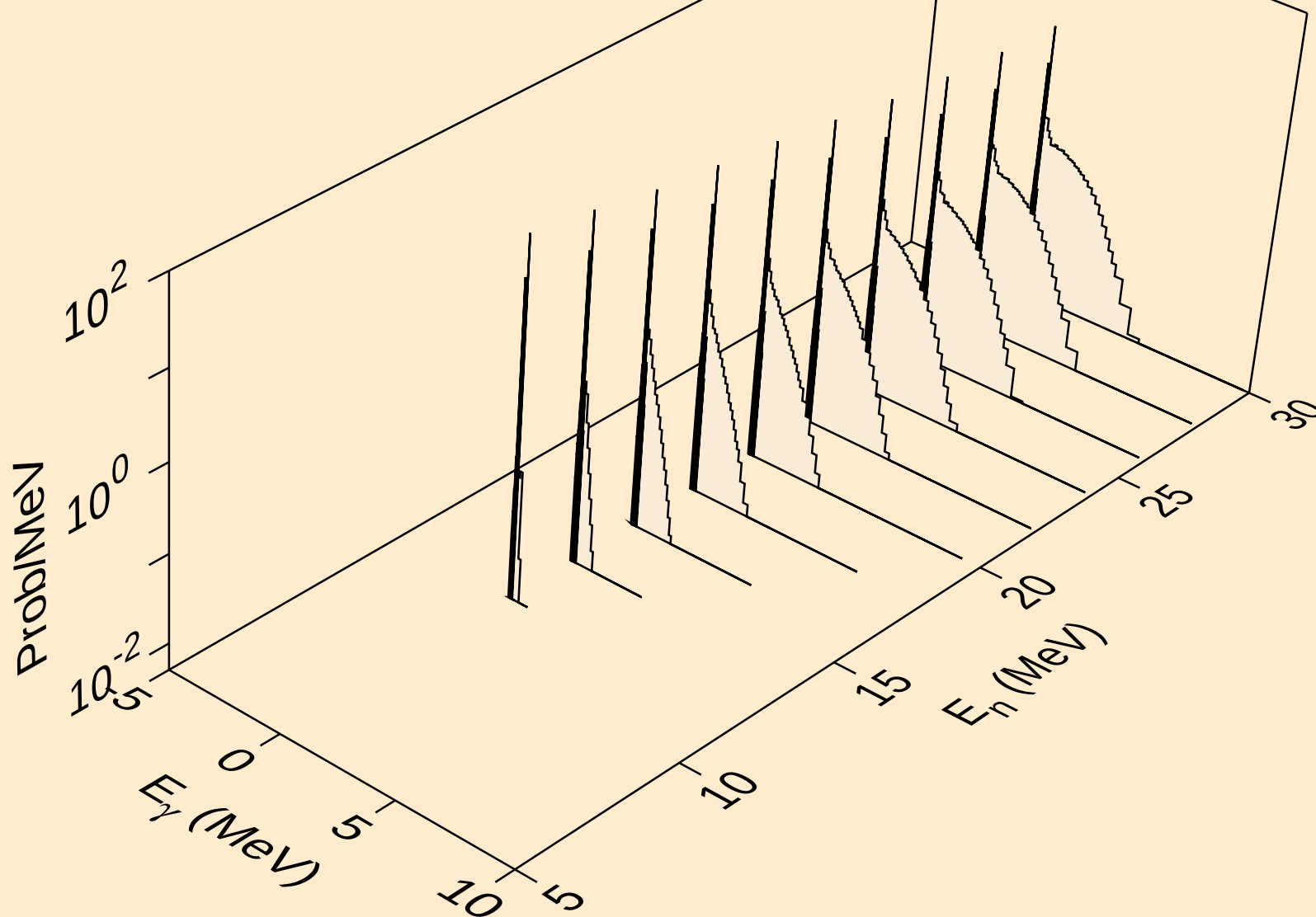
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Photon emission for (n,n\*)2a



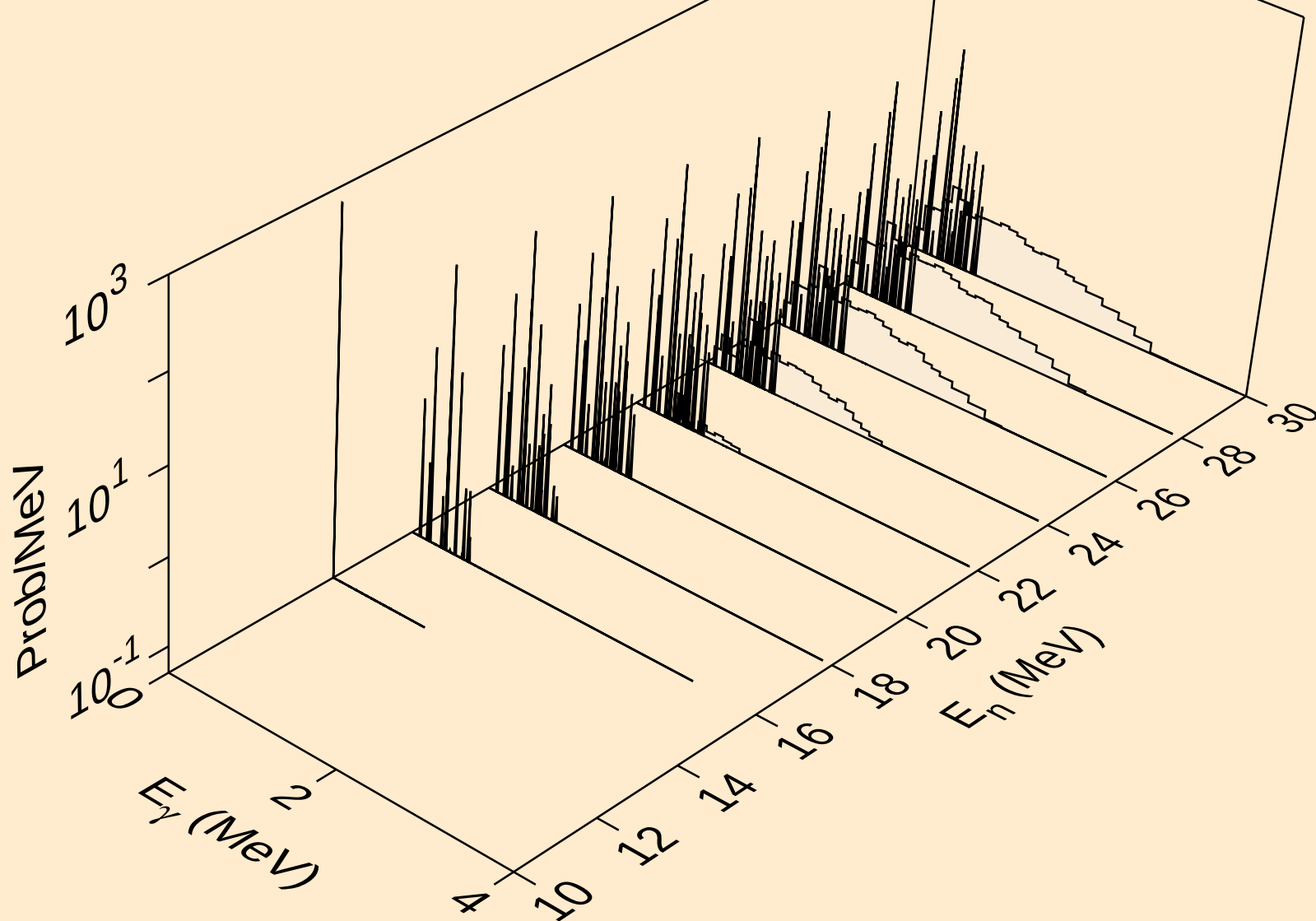
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Photon emission for (n,2n)2a



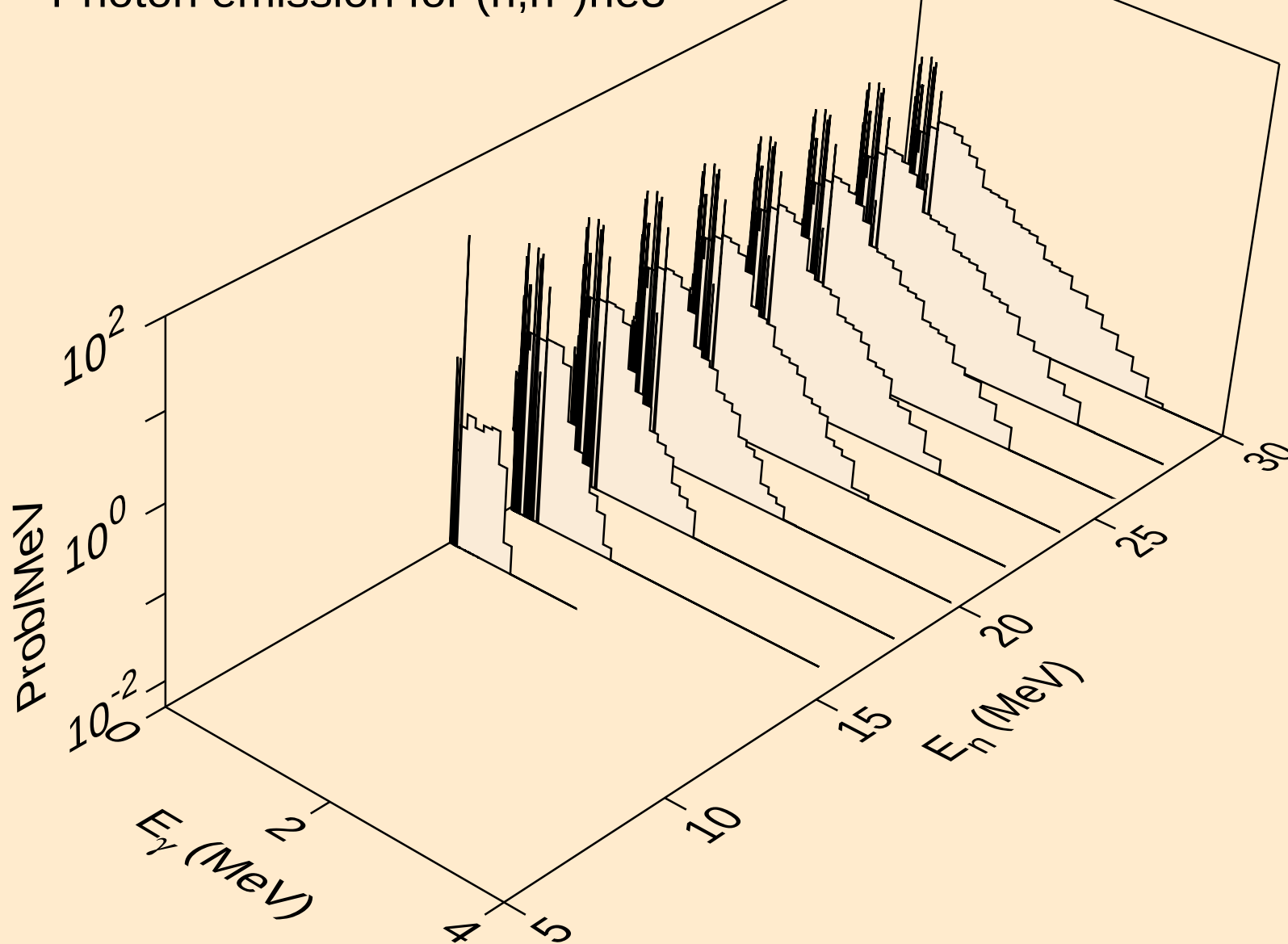
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Photon emission for (n,n\*)d



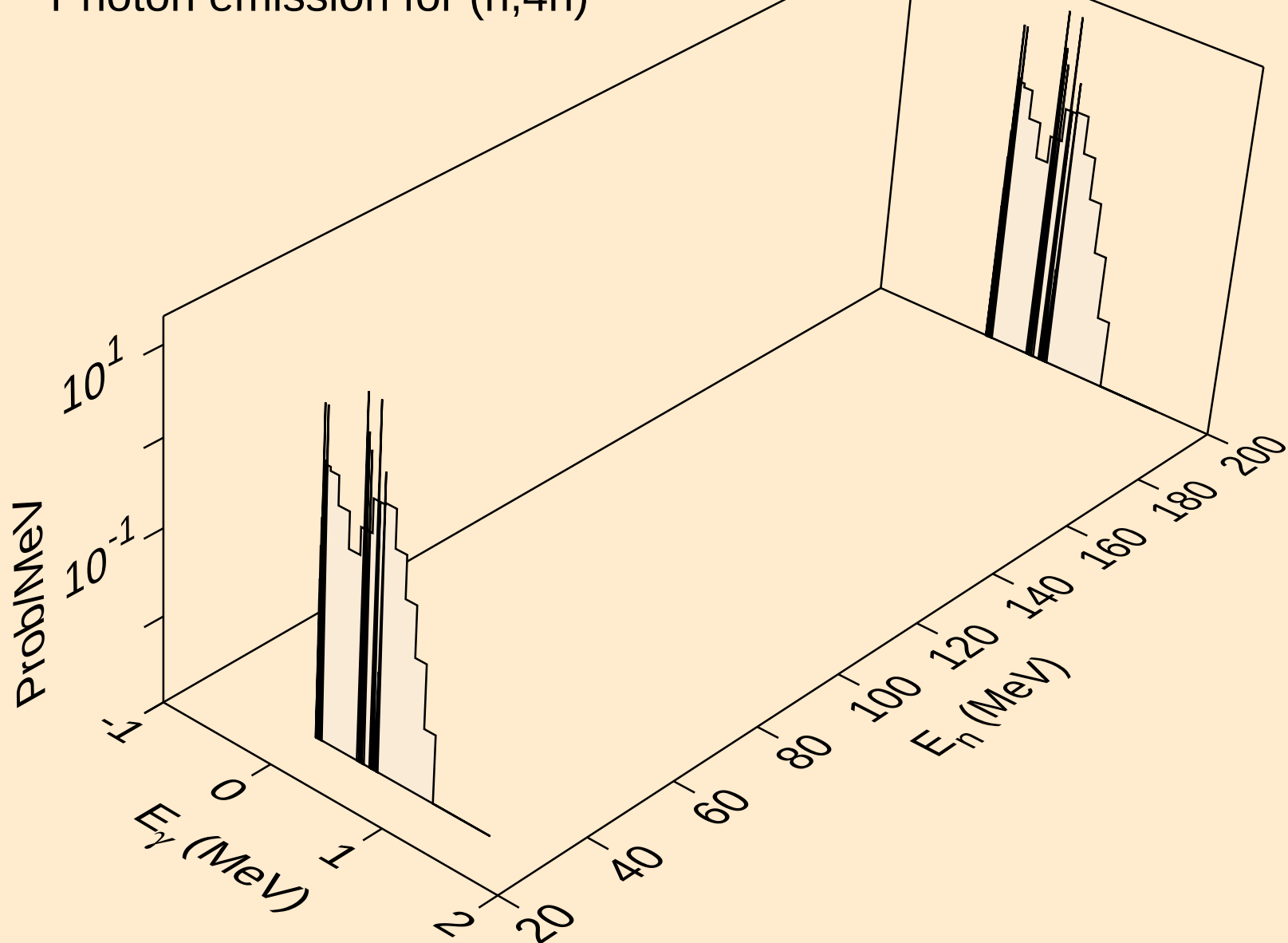
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Photon emission for (n,n\*)t



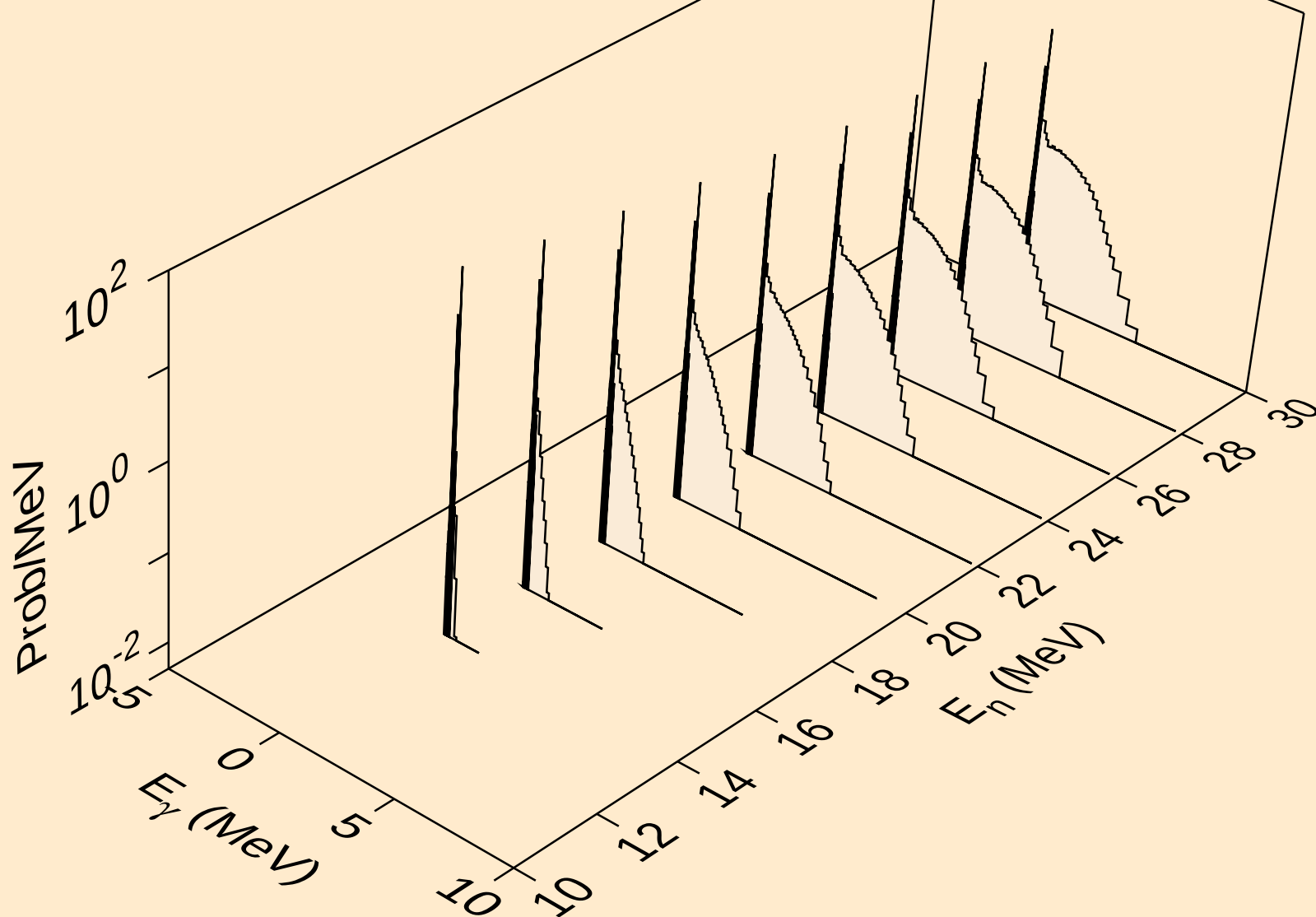
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



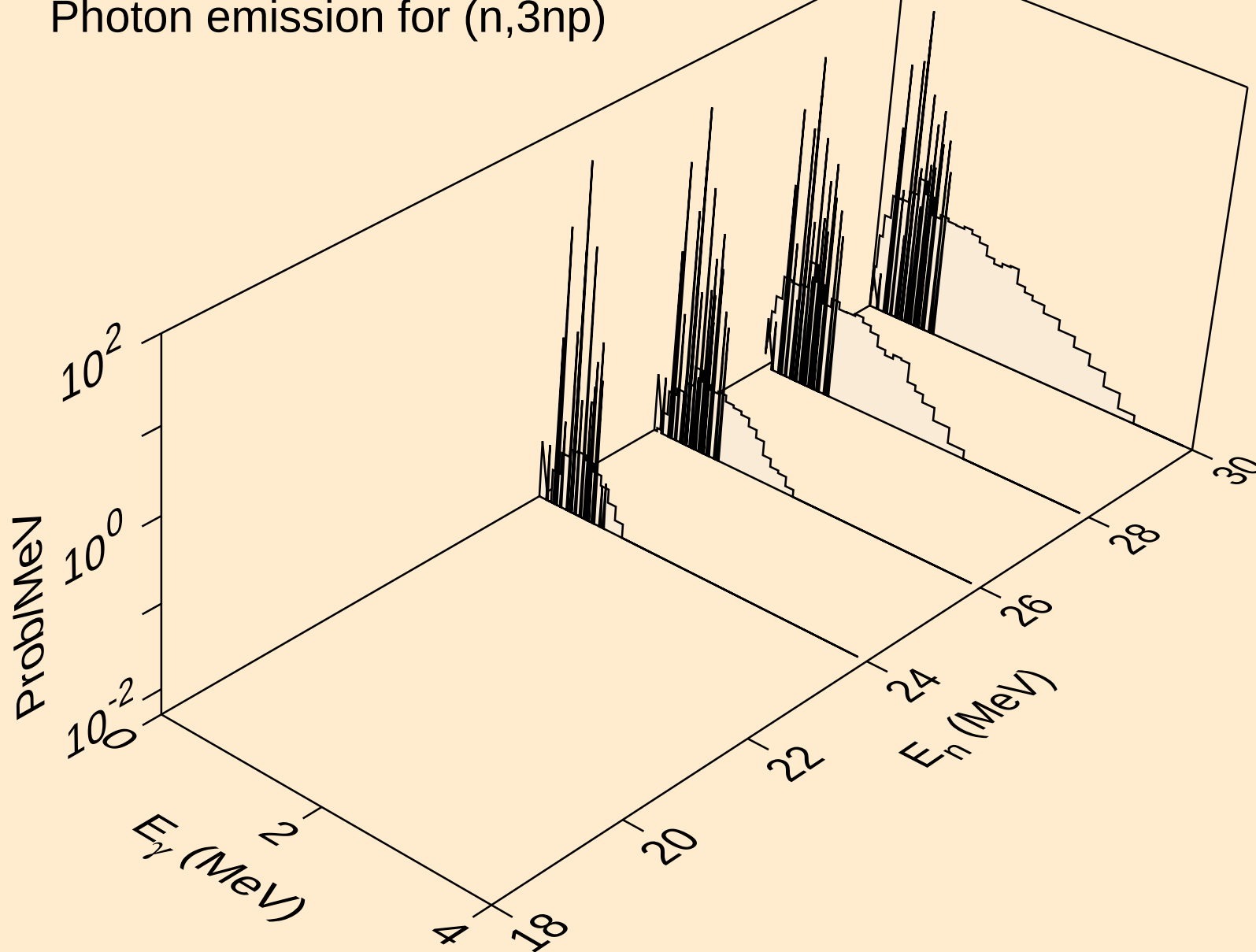
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

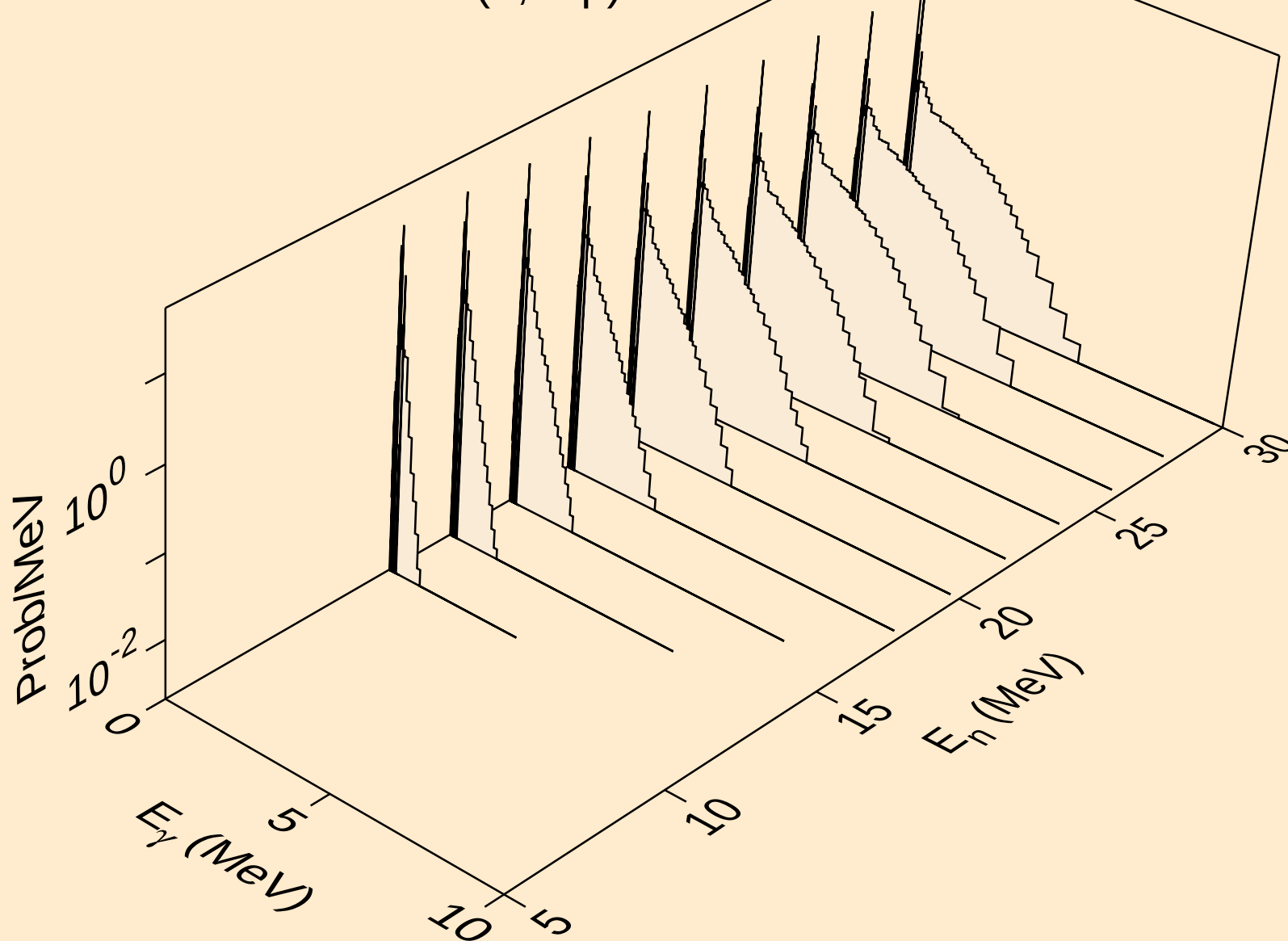


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Photon emission for (n,3np)

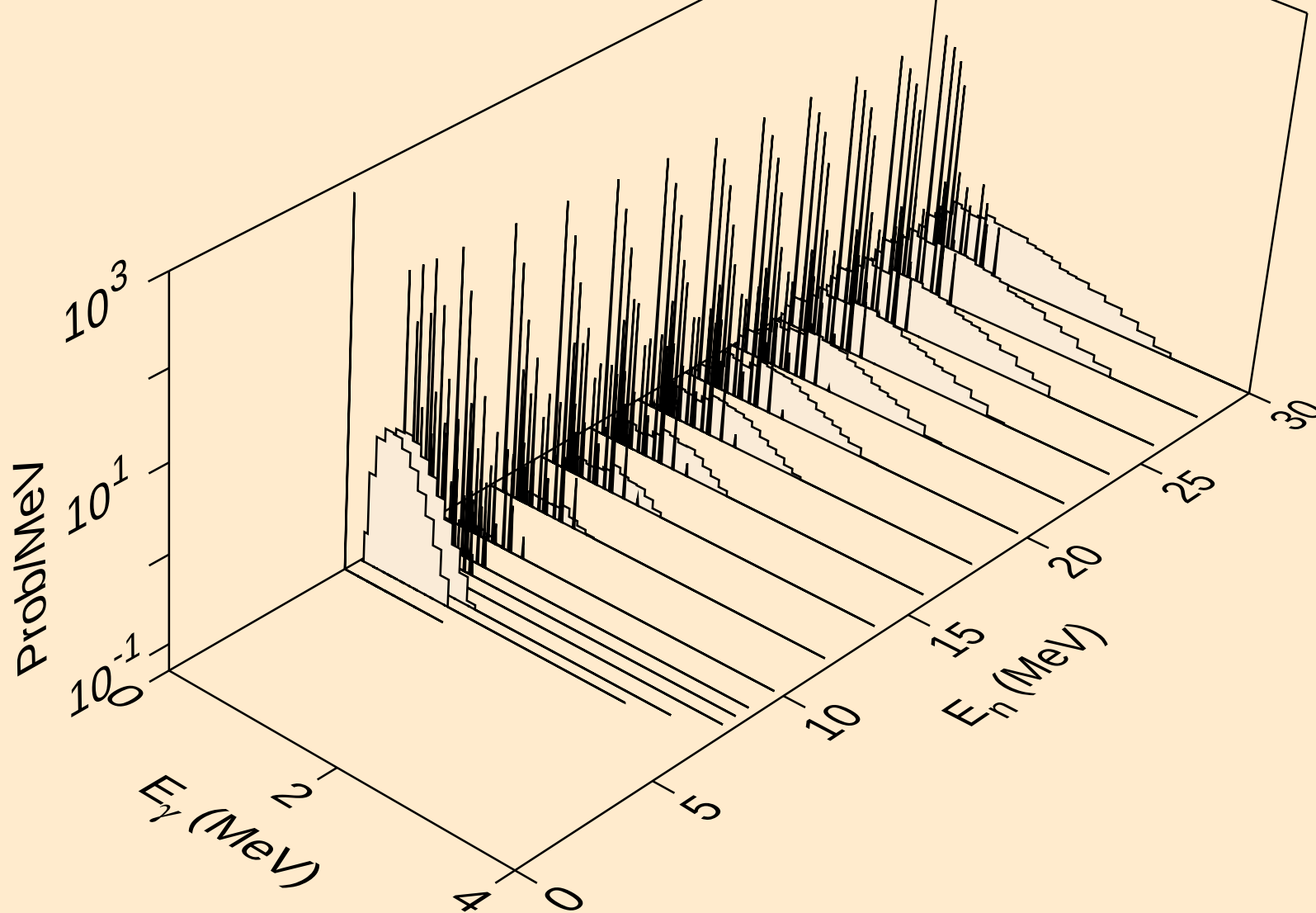




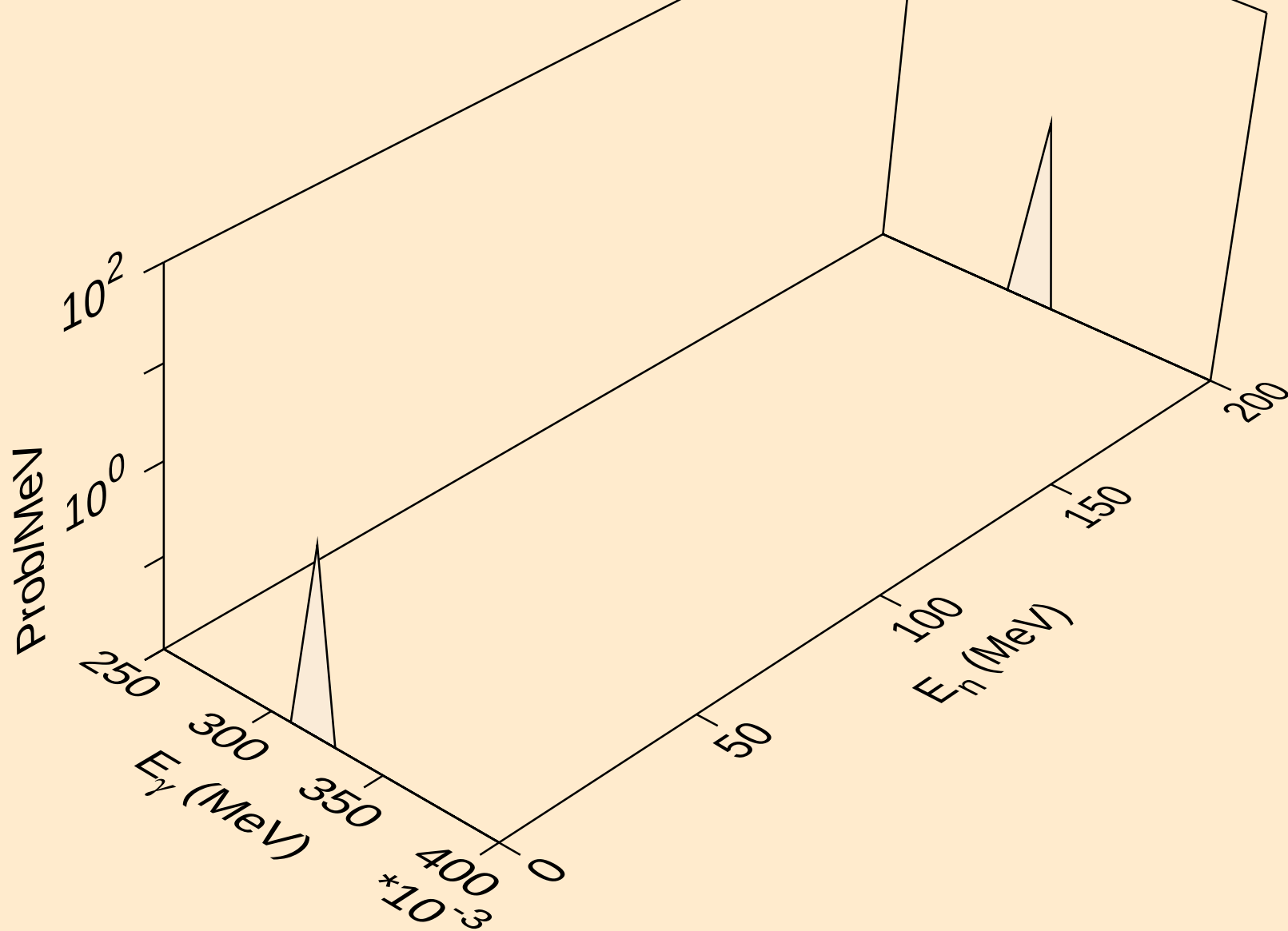
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Photon emission for (n,n2p)



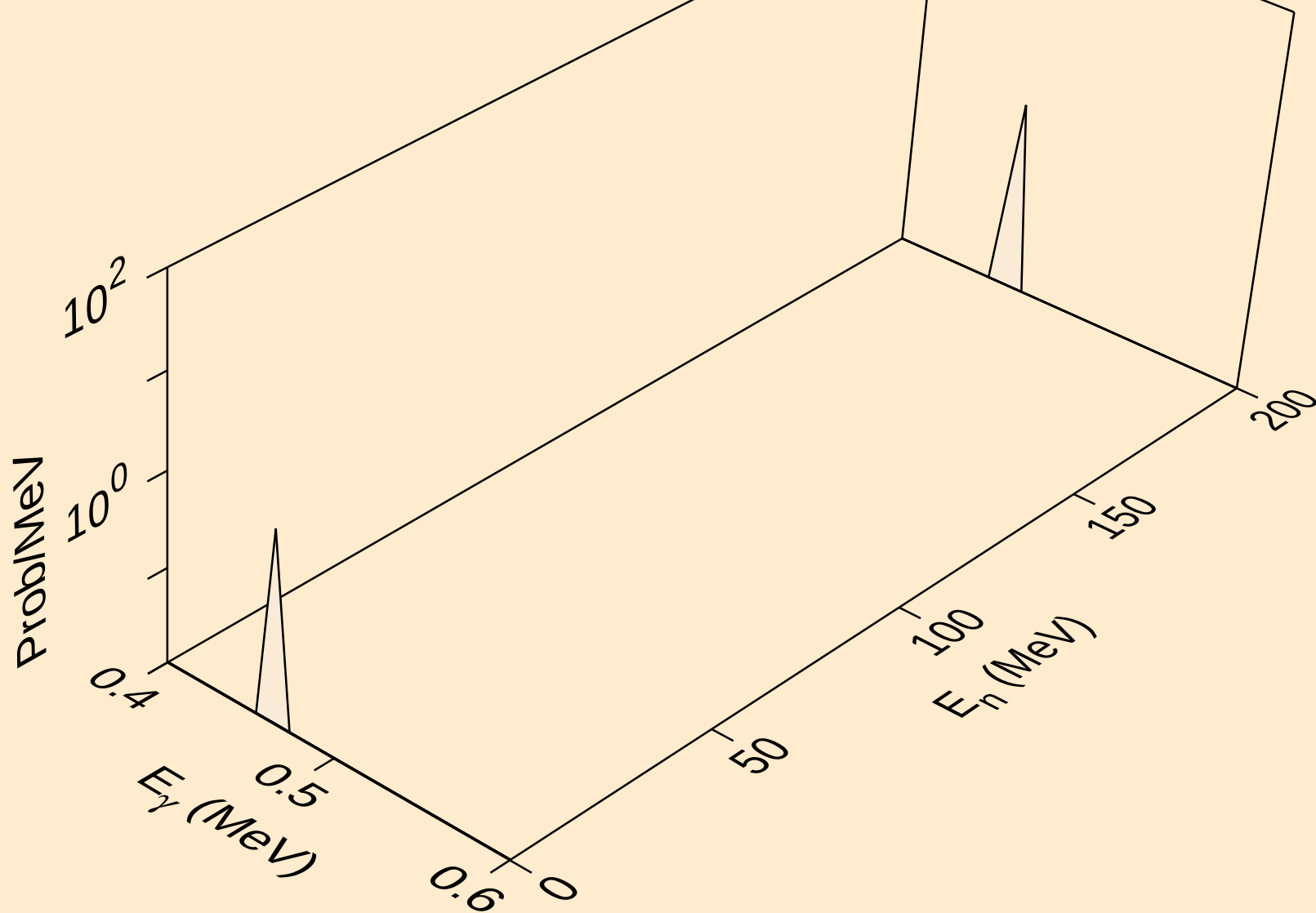
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Photon emission for (n,npa)



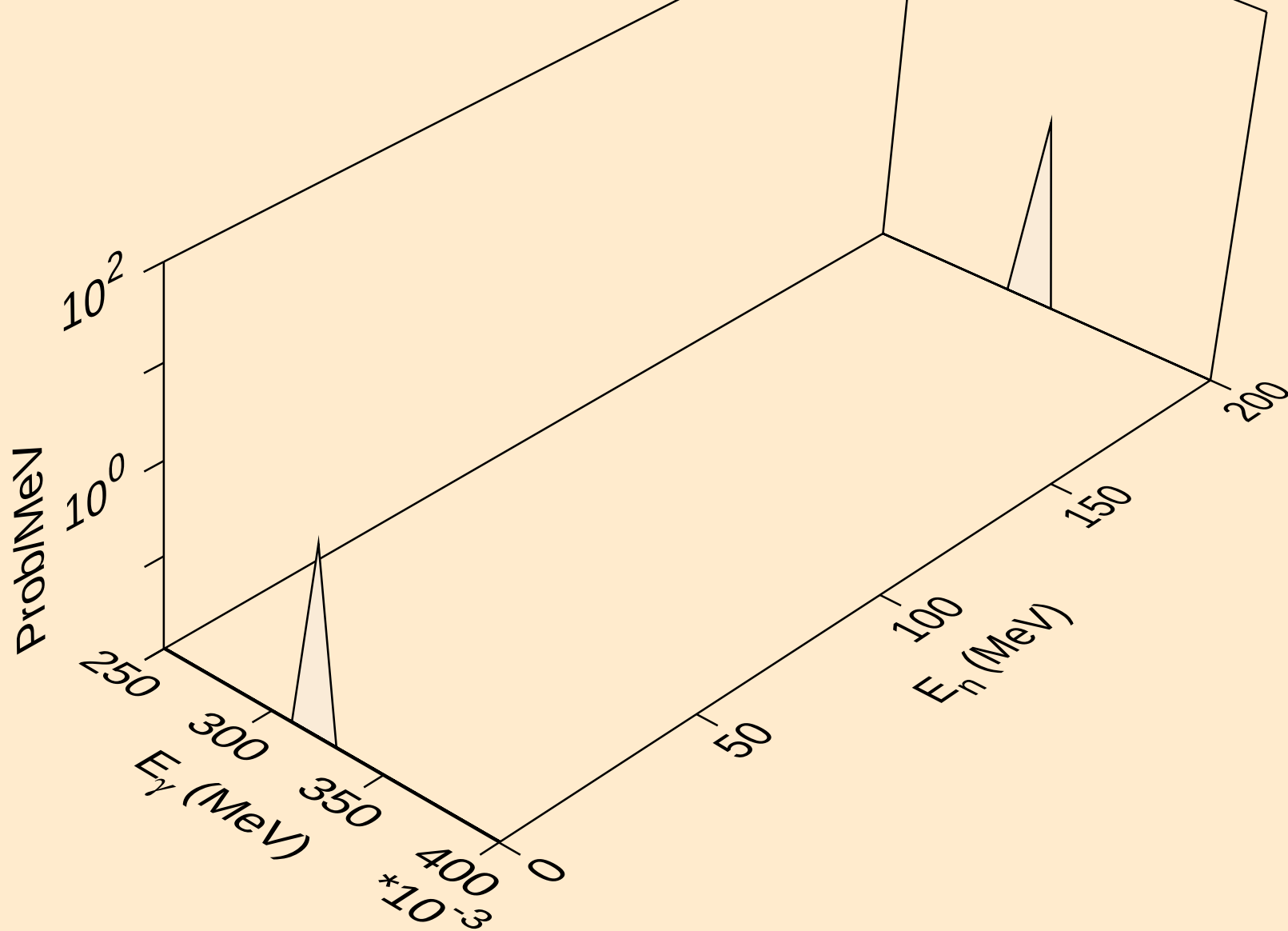
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*2)



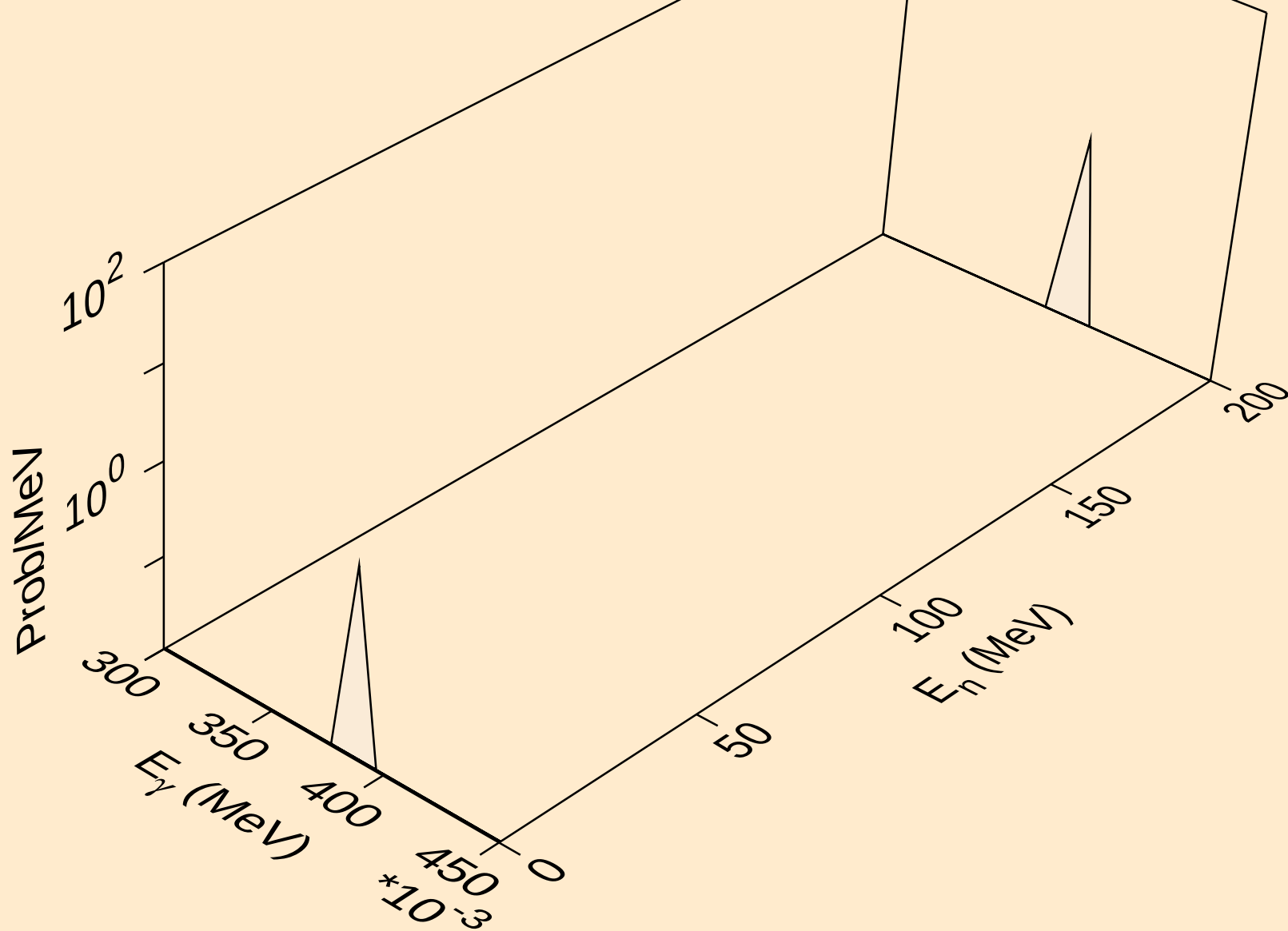
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*3)



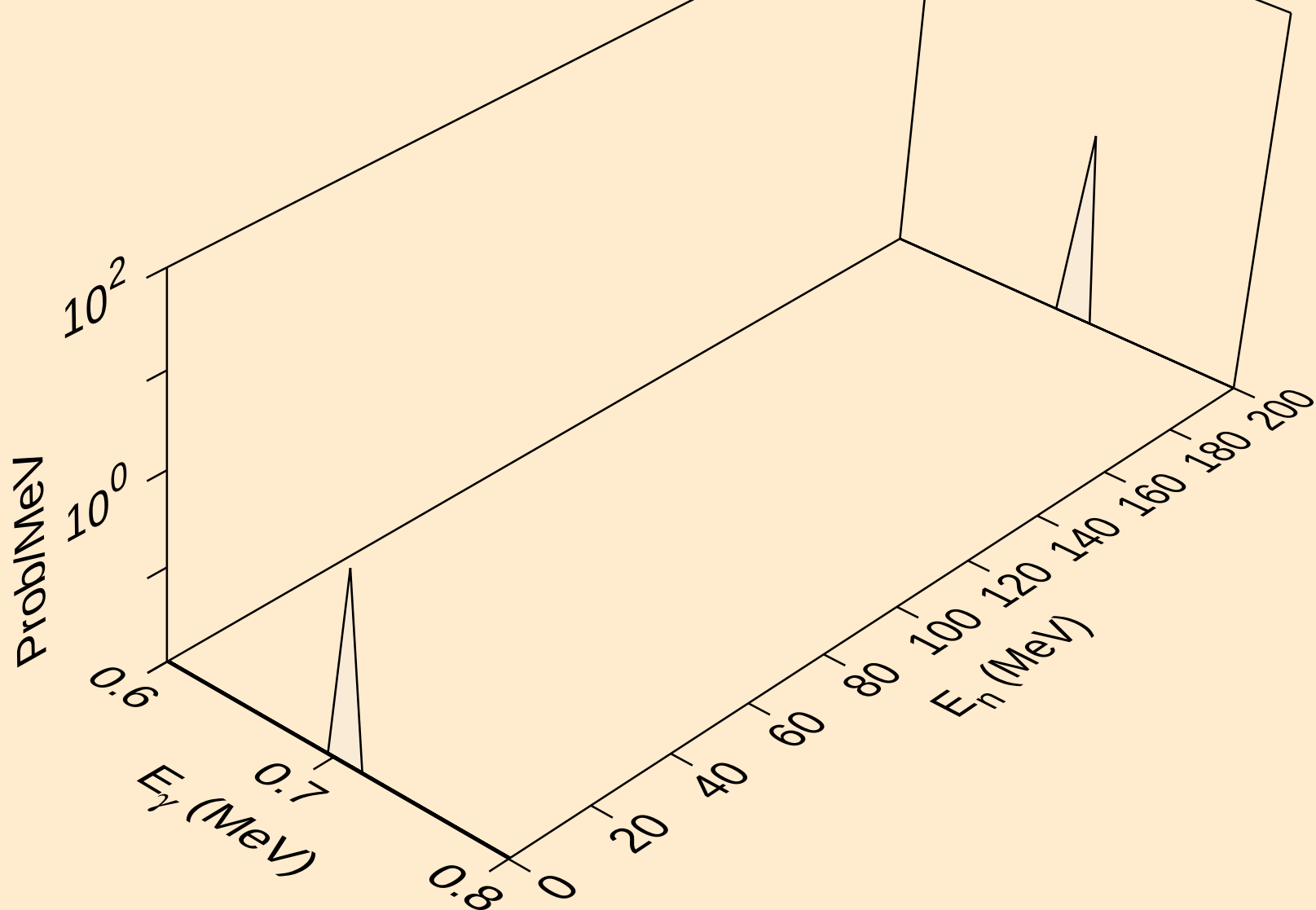
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*4)



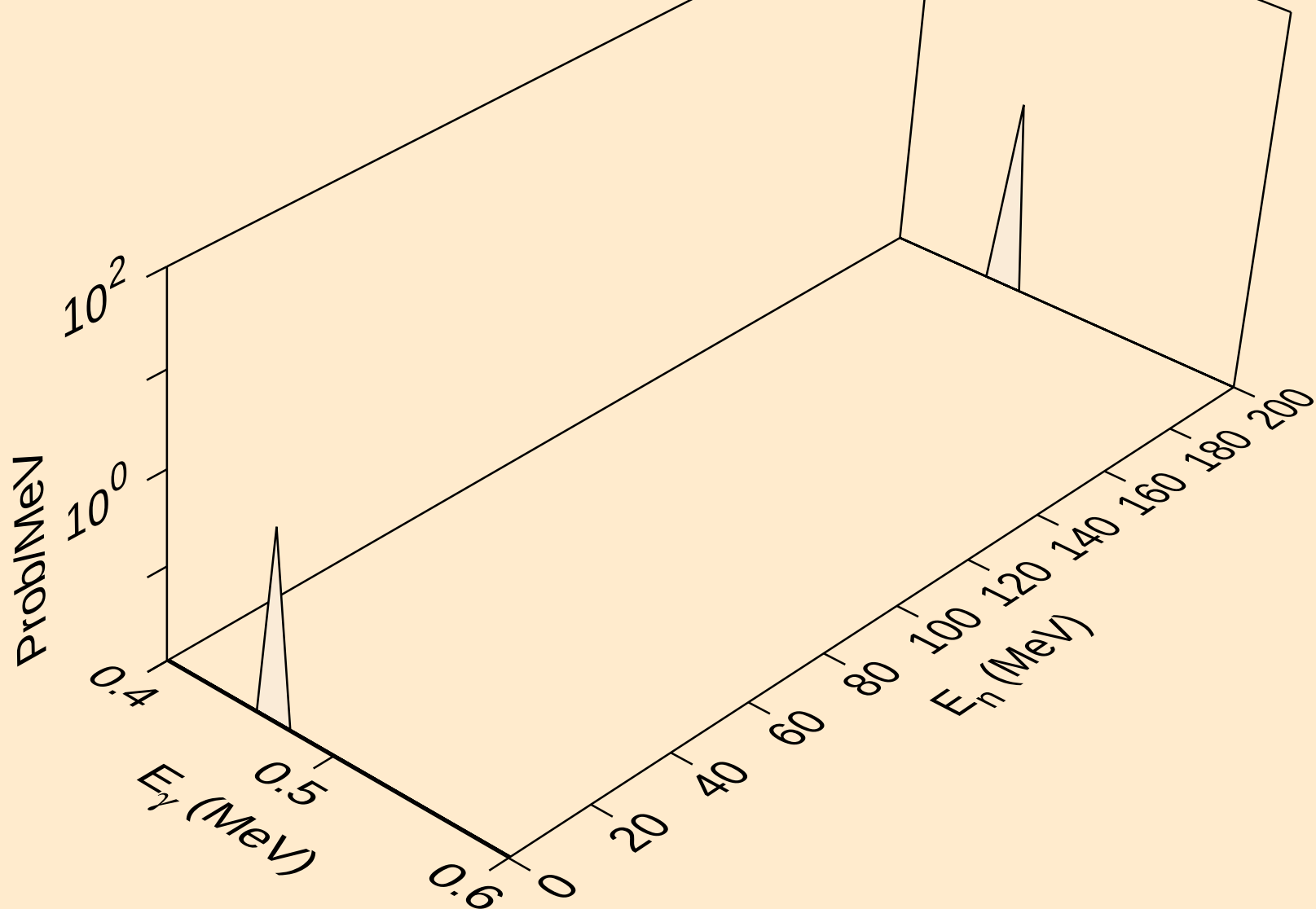
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*5)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*6)

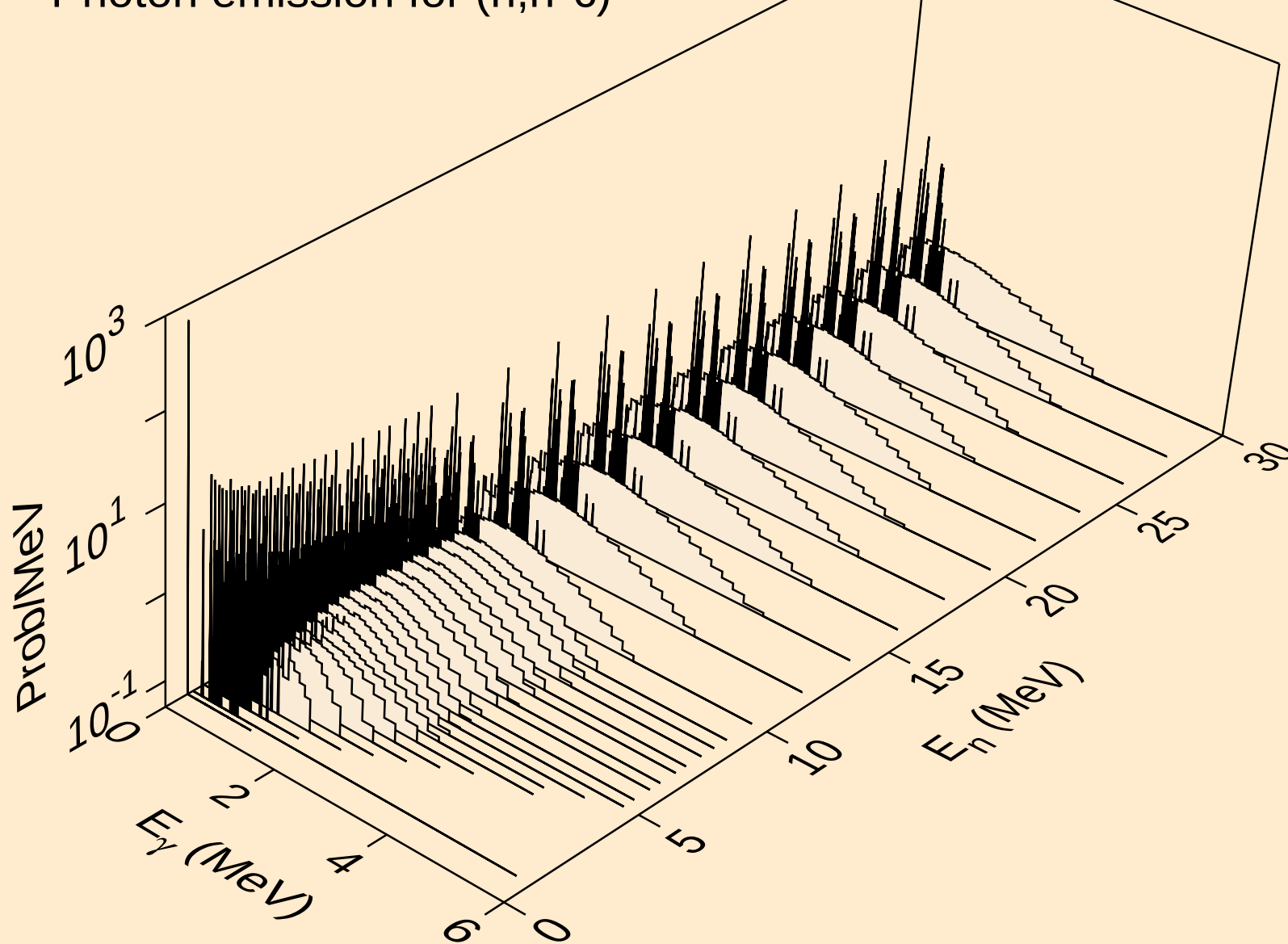


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*7)

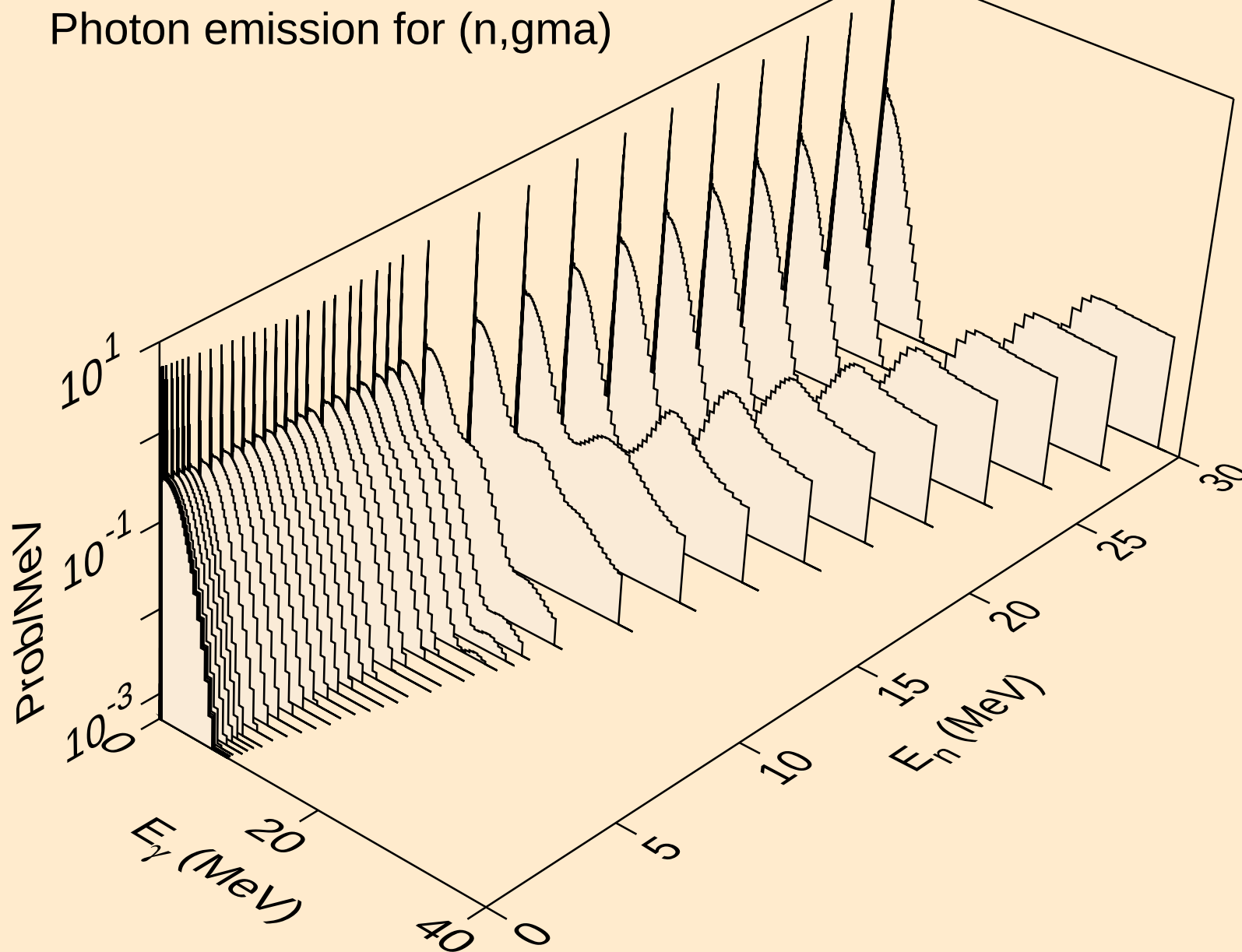




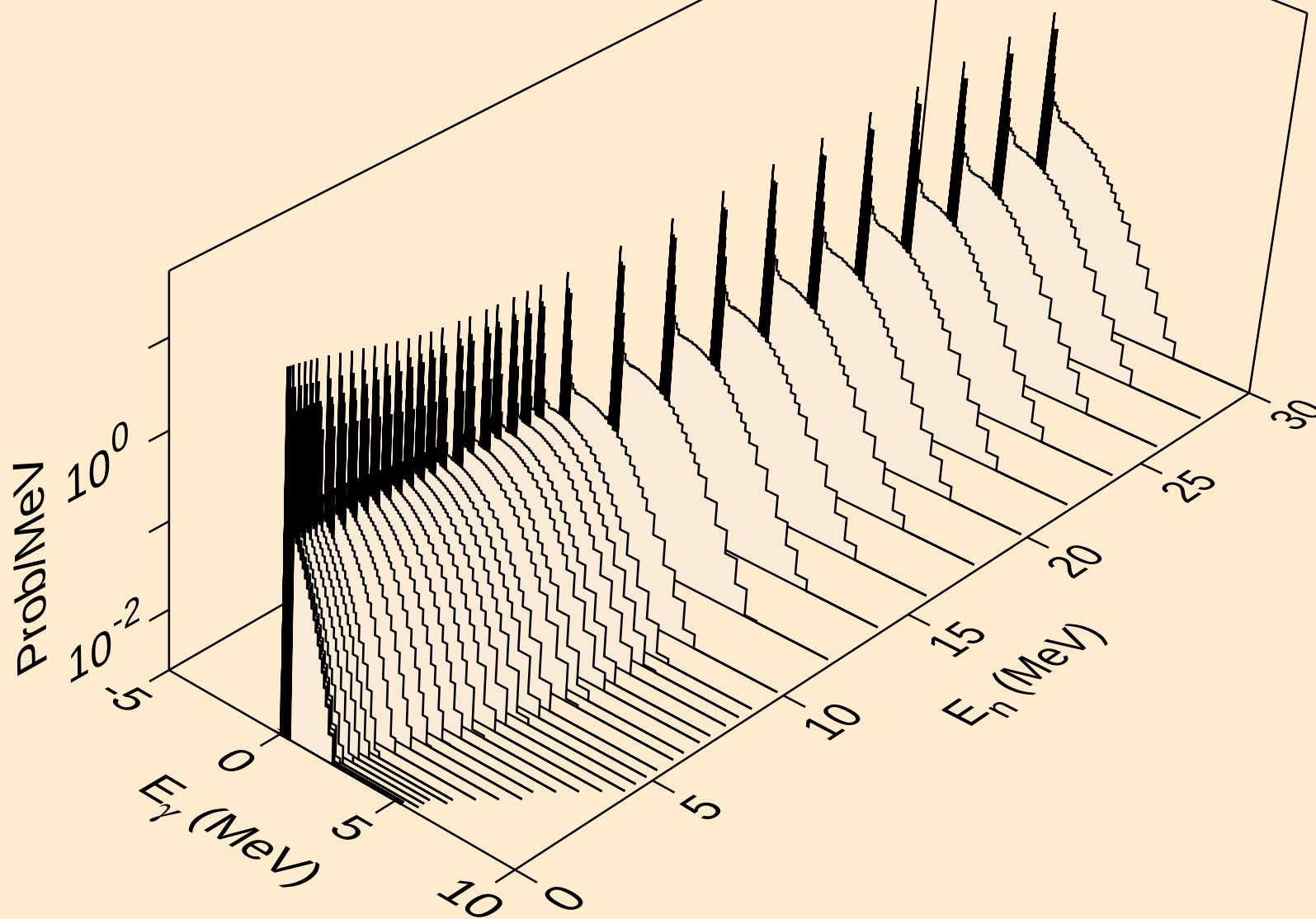
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



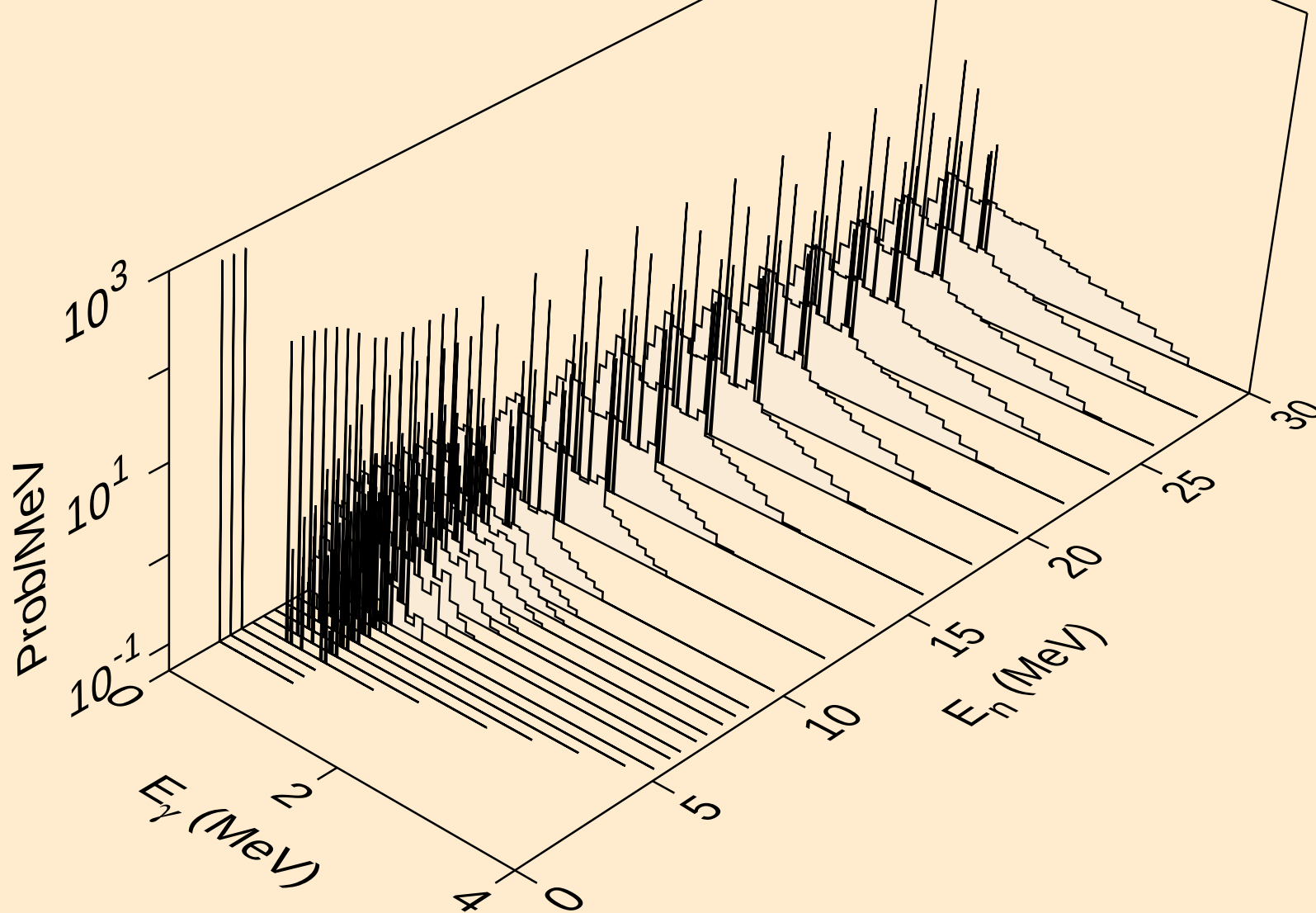
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



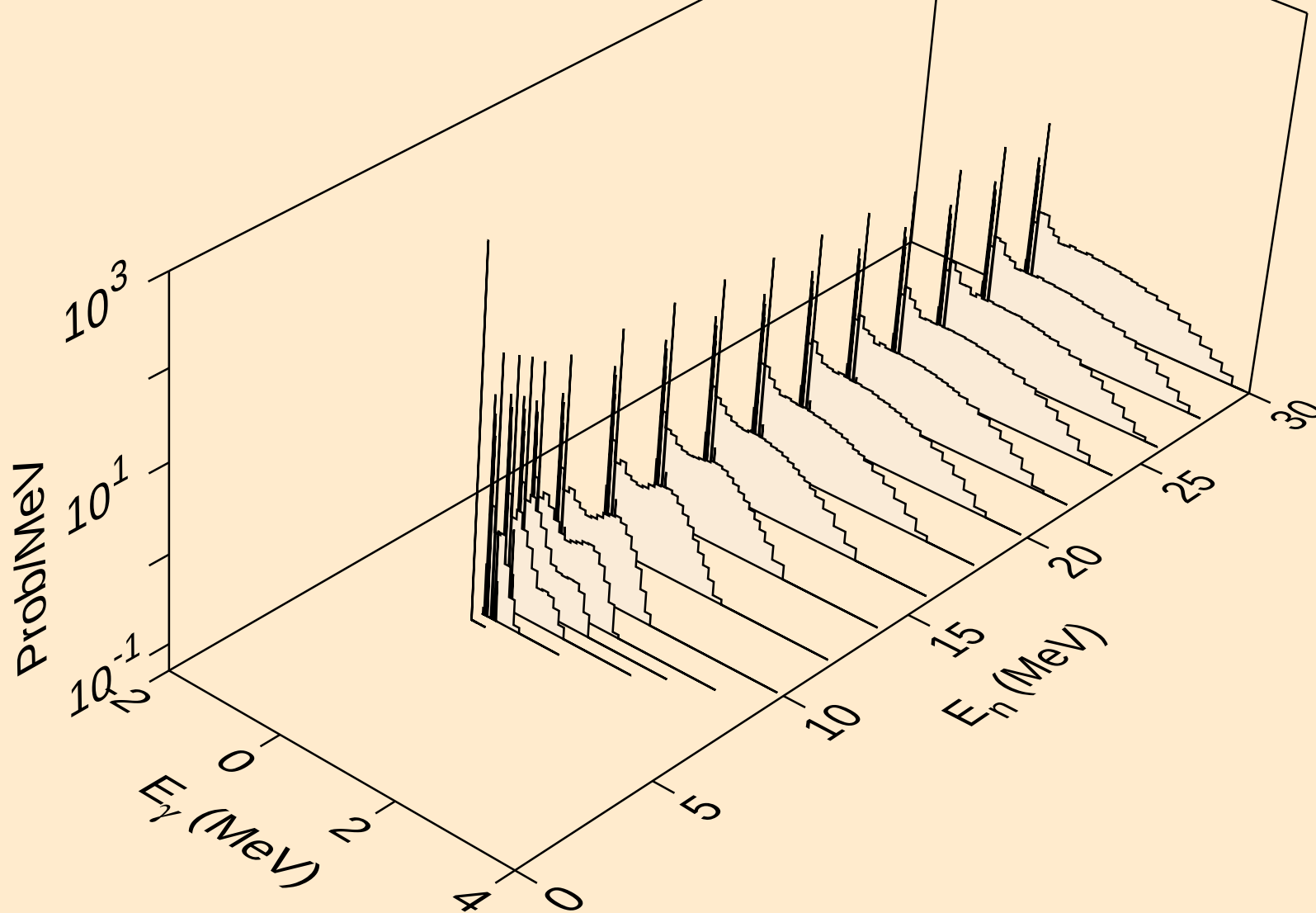
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



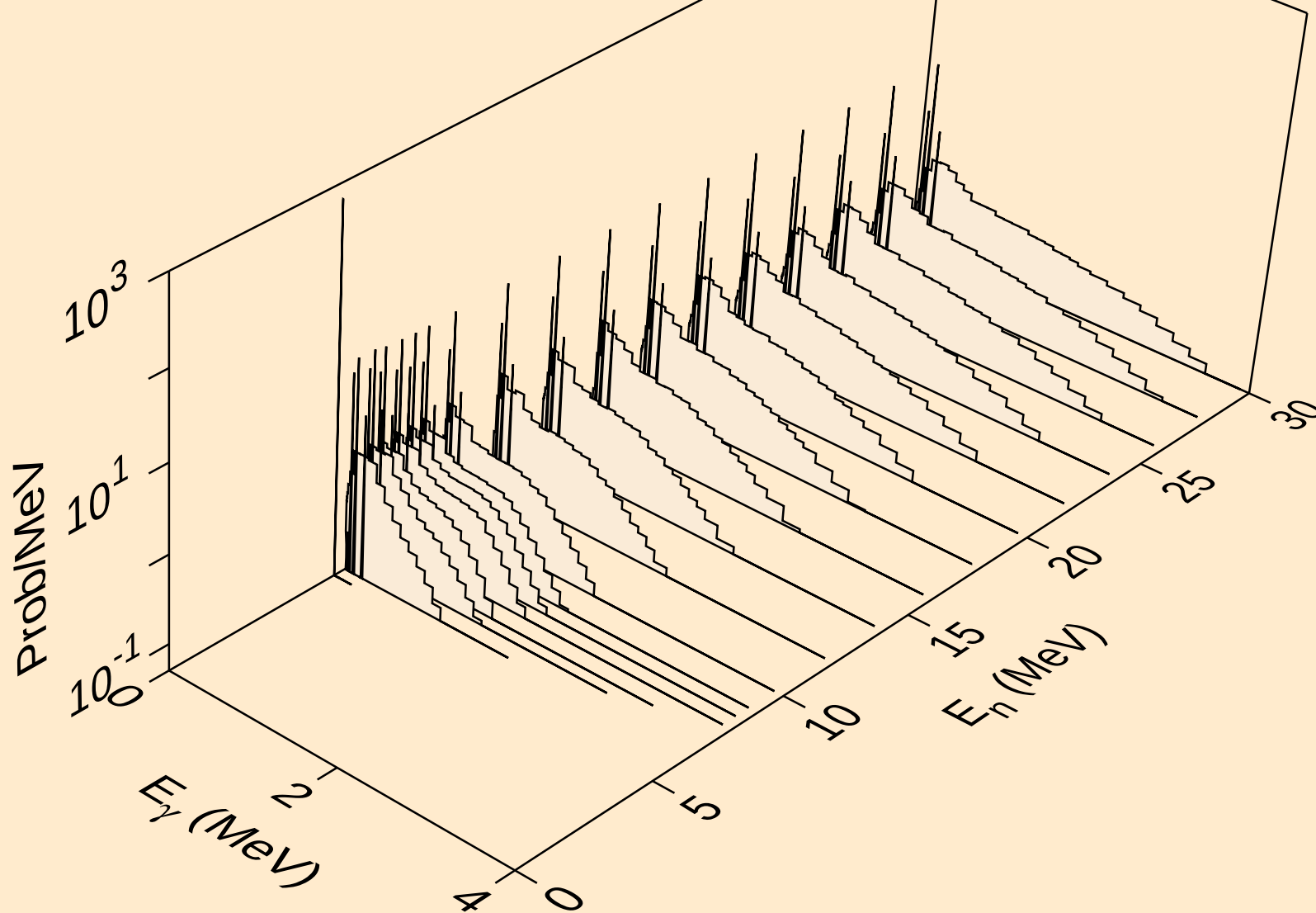
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



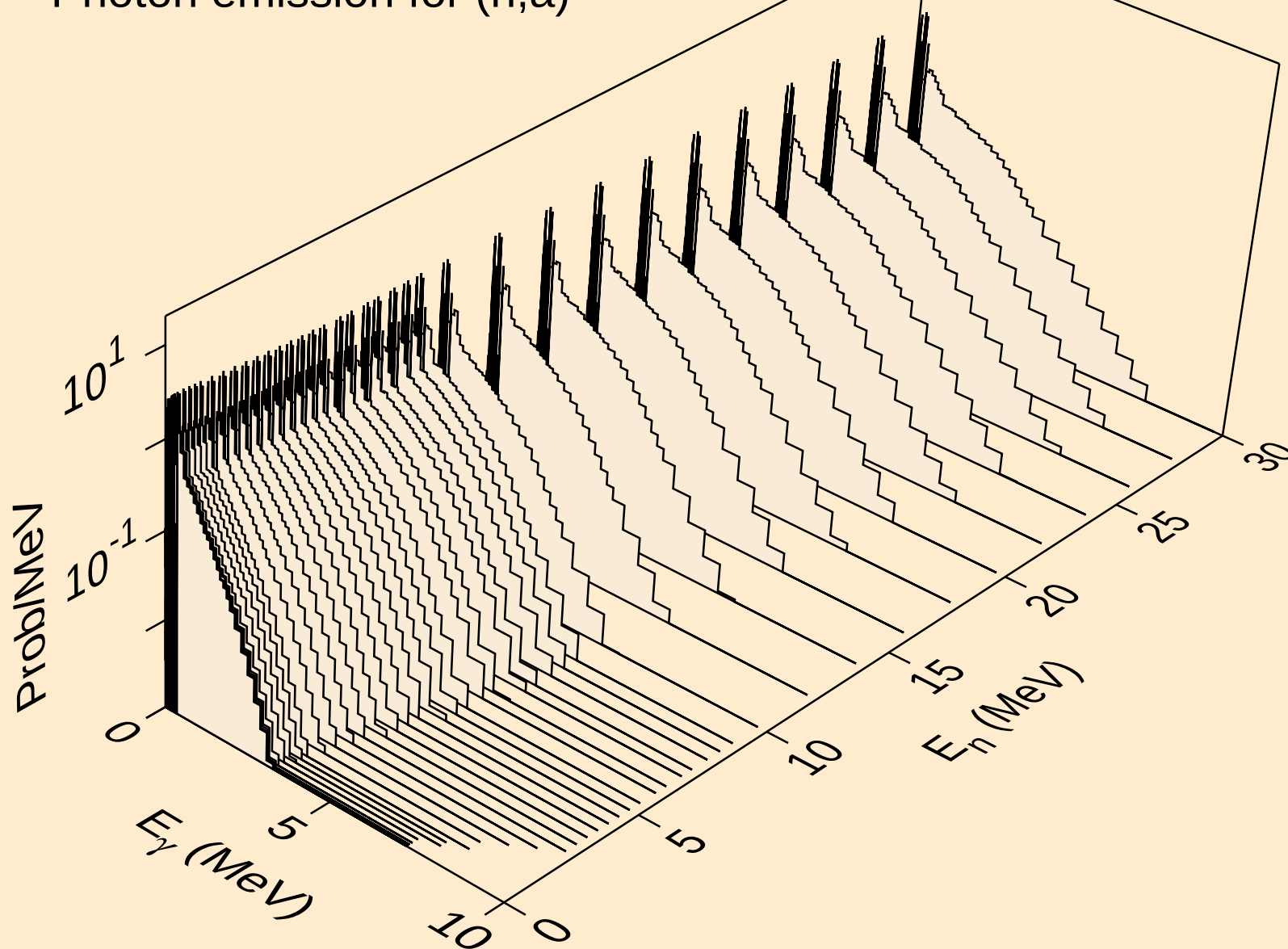
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Photon emission for (n,t)



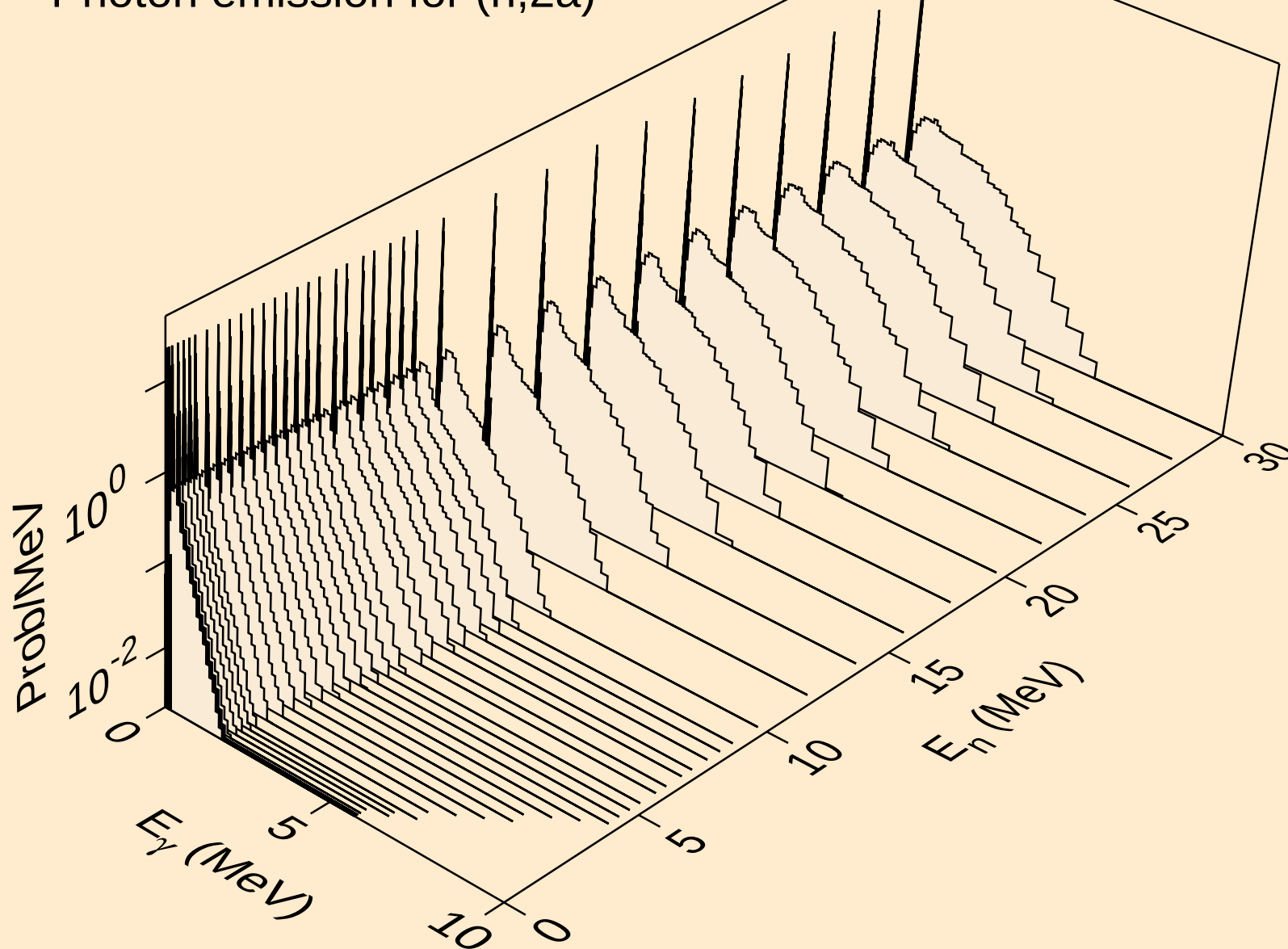
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

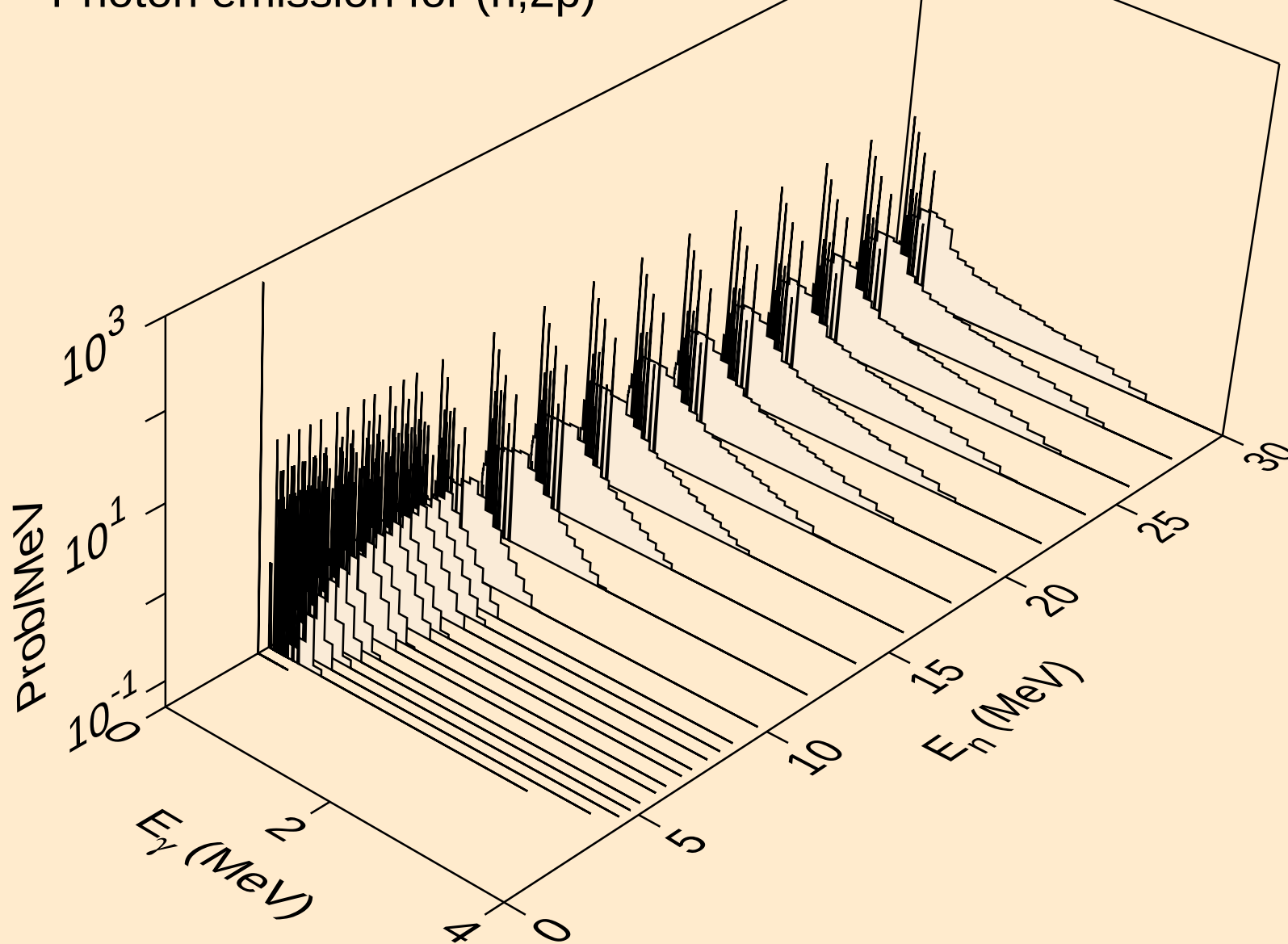


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

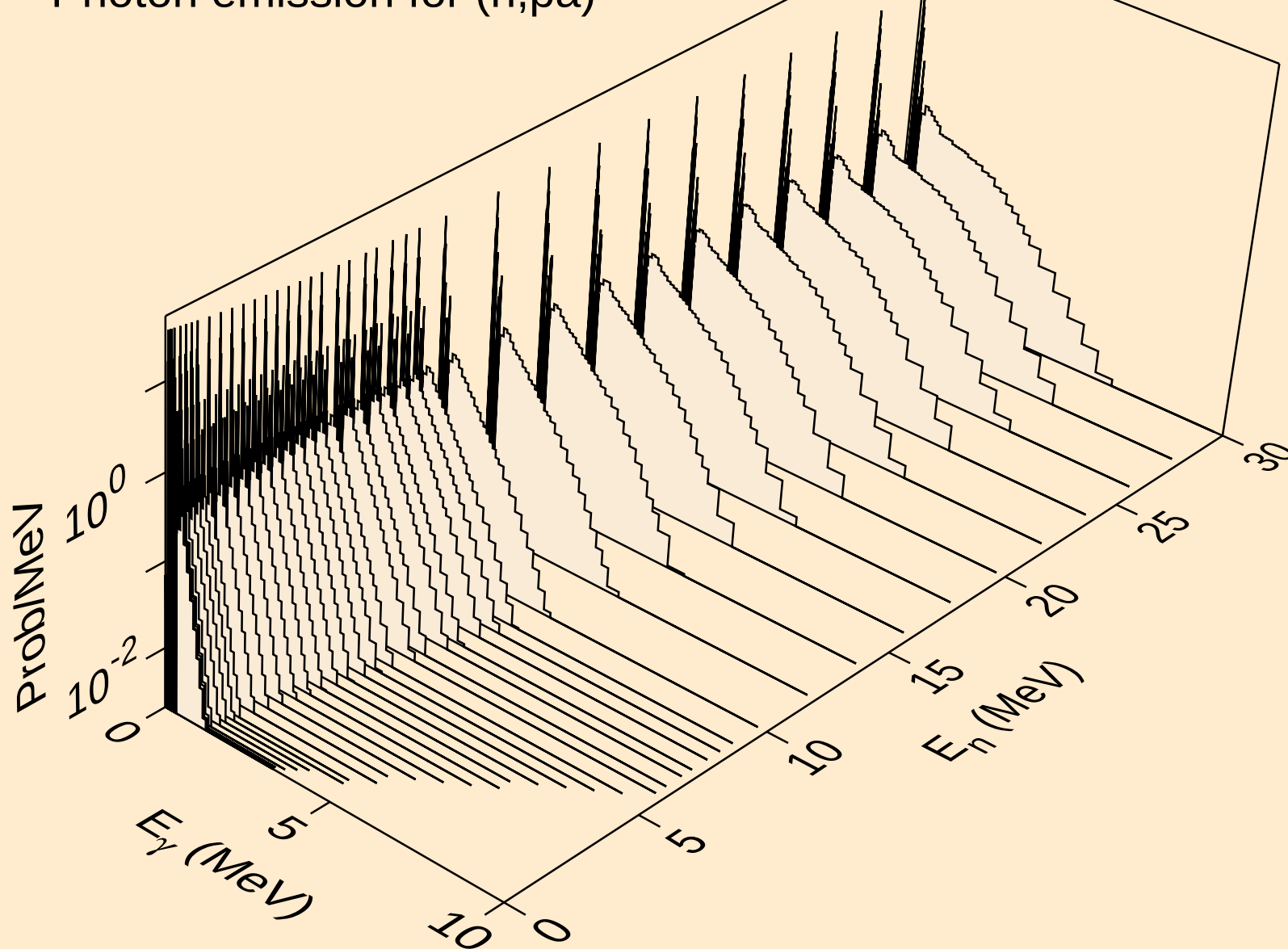




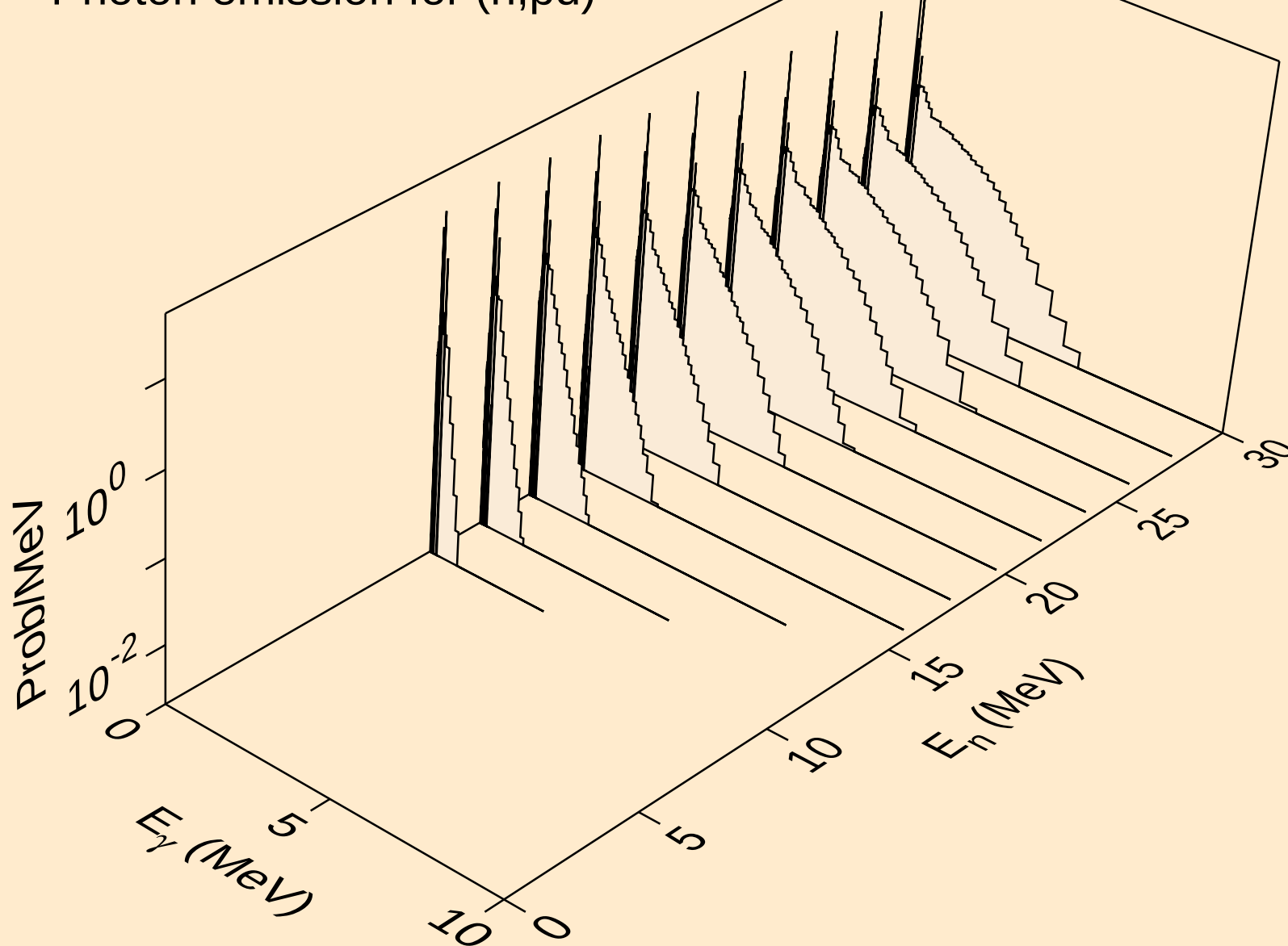
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



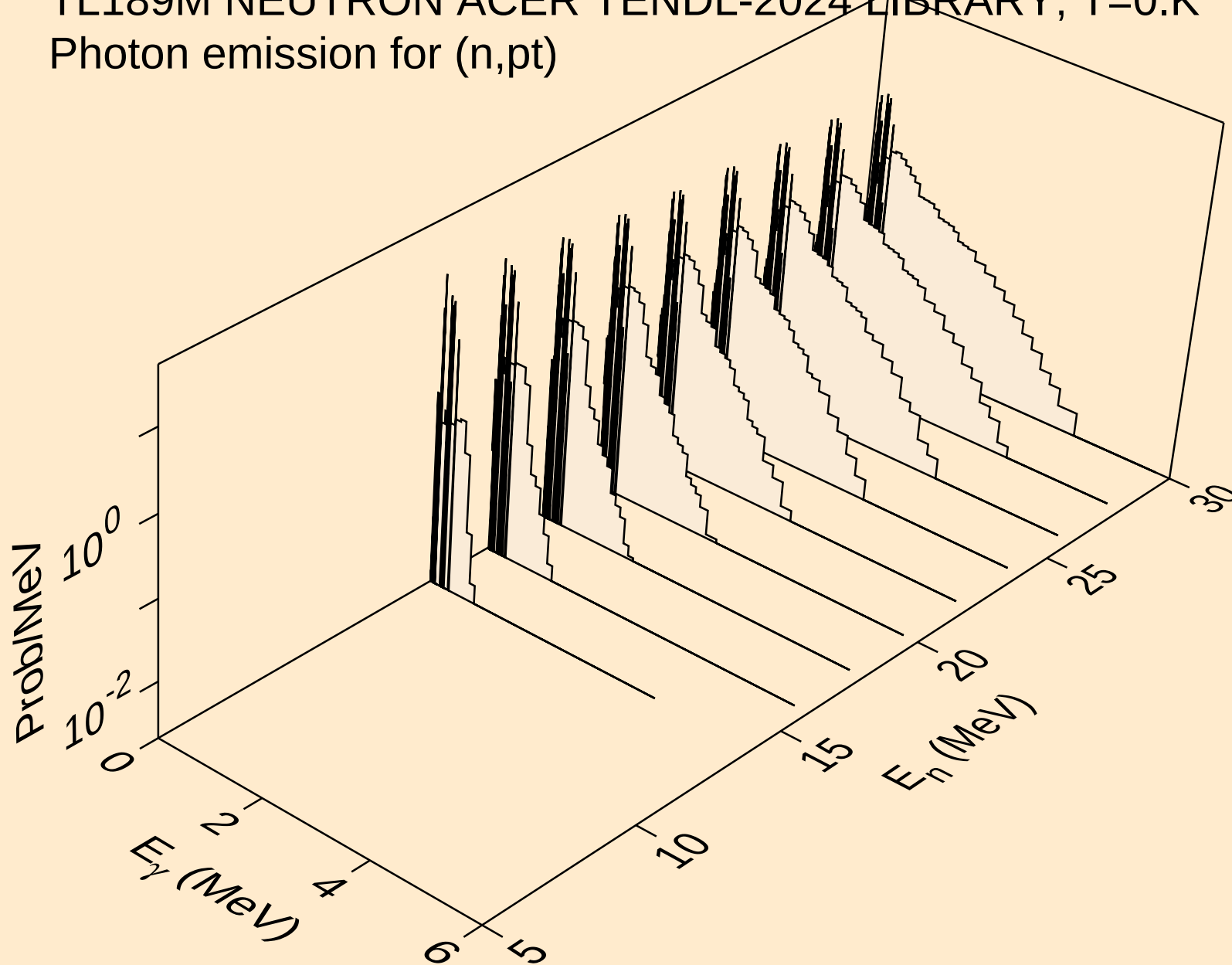
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



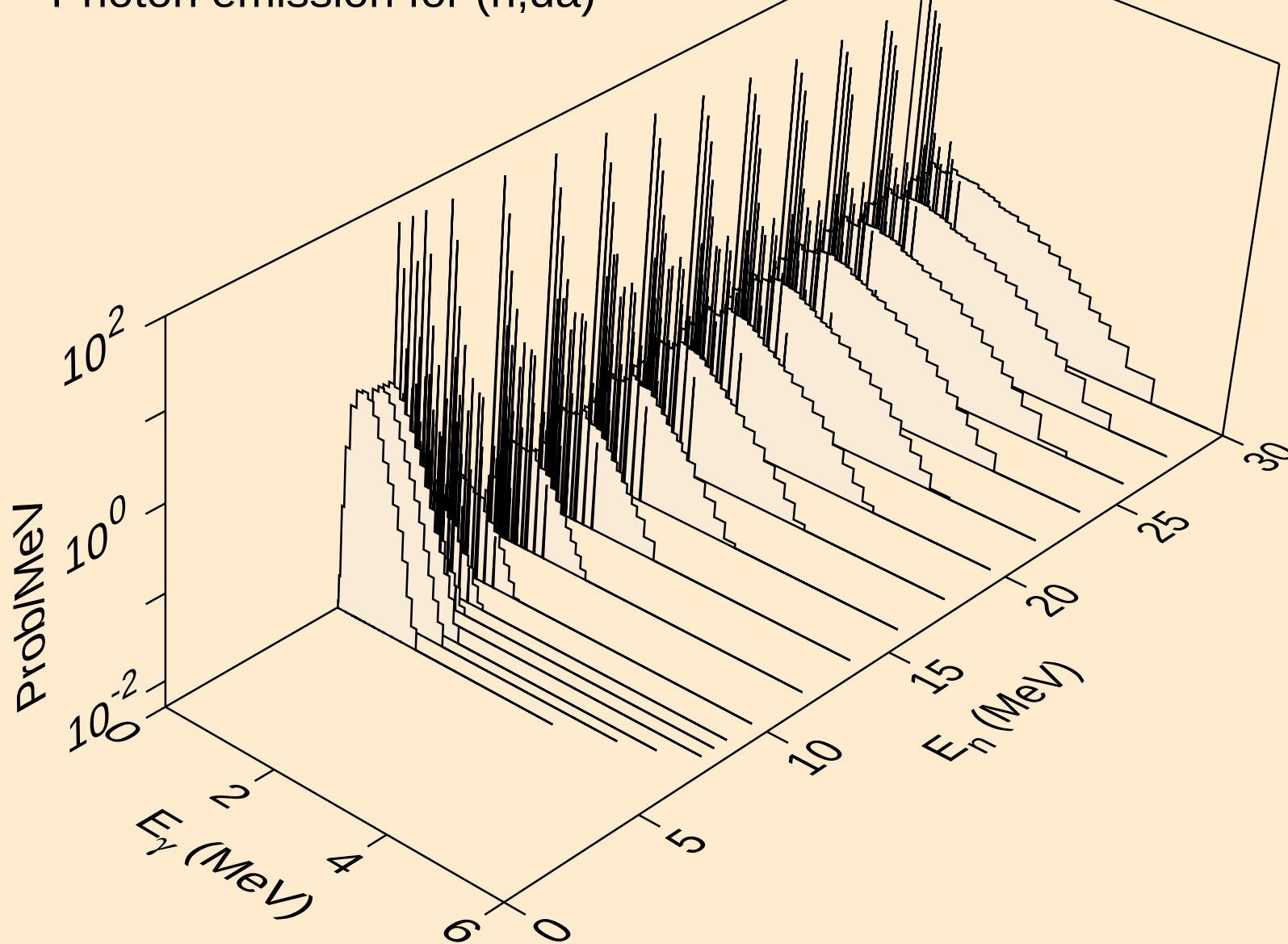
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



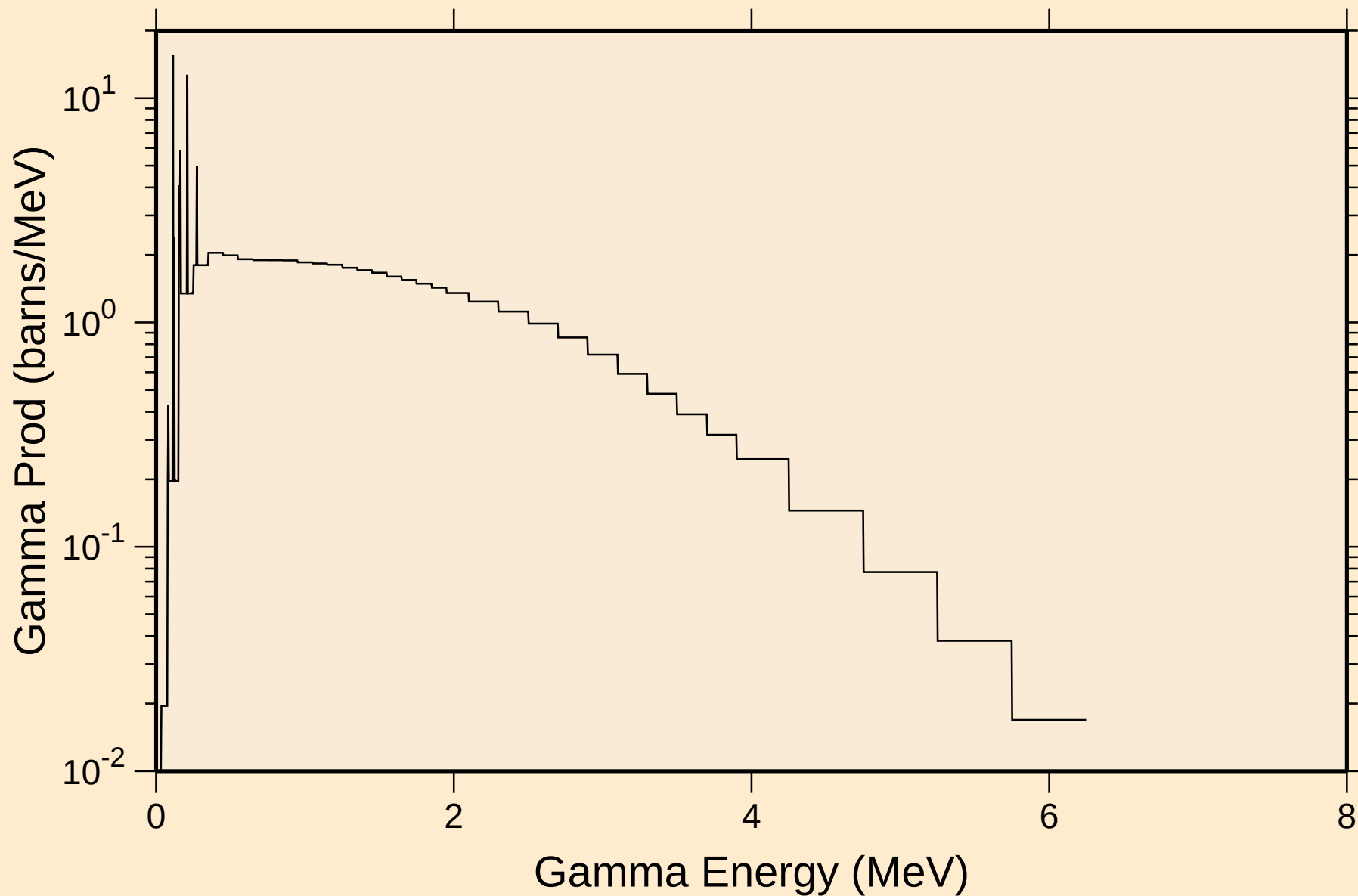
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



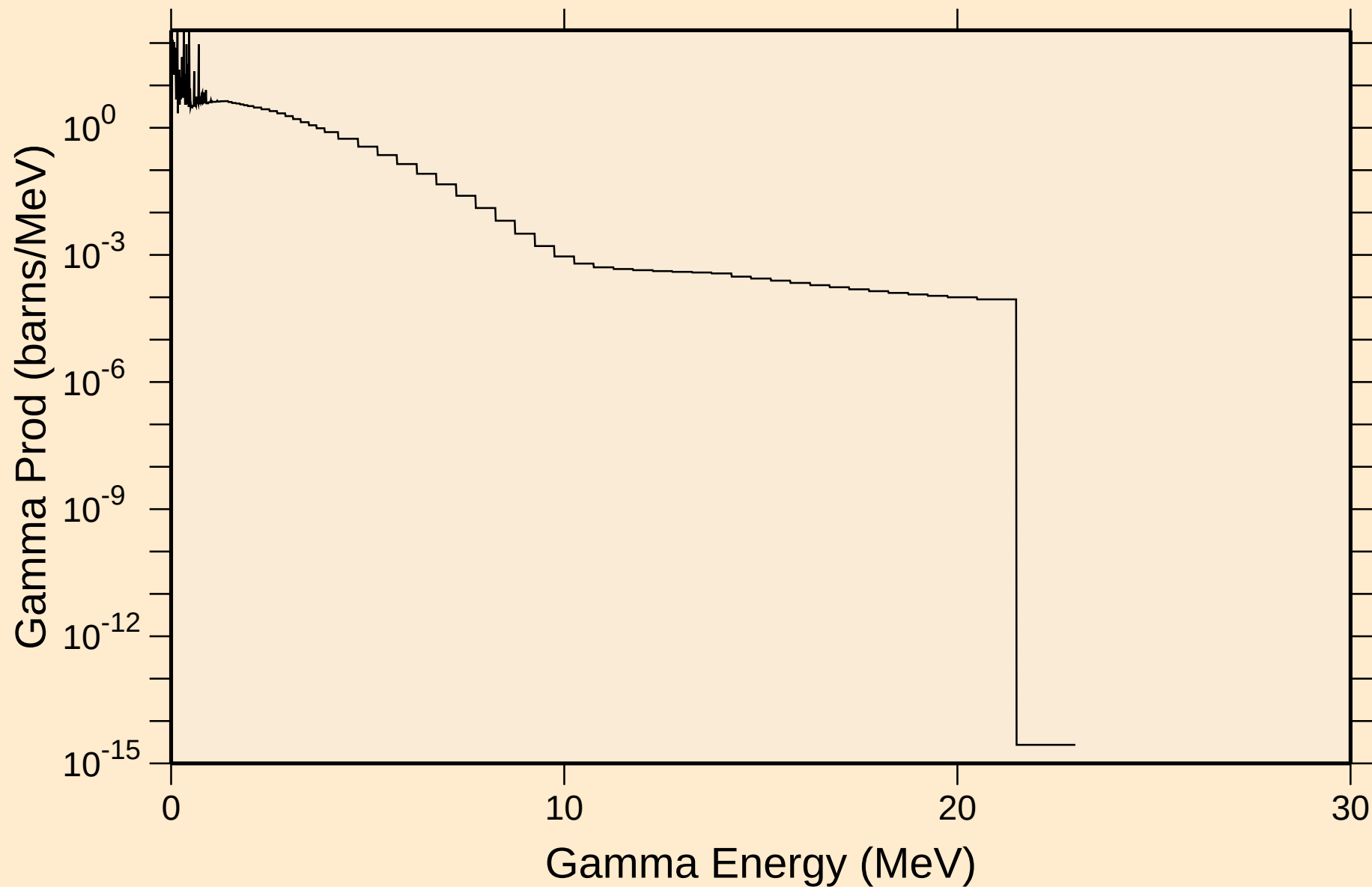
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

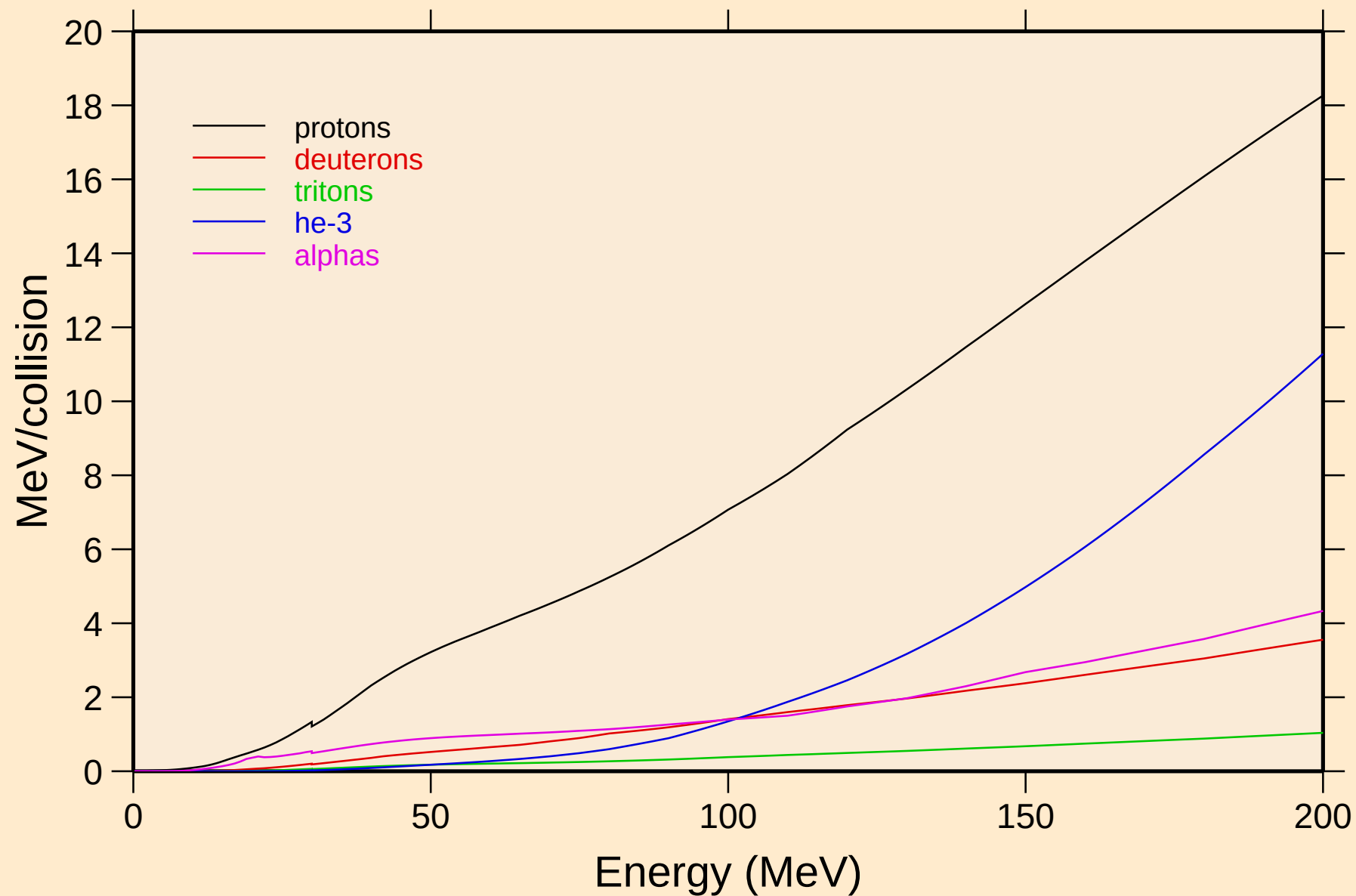


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



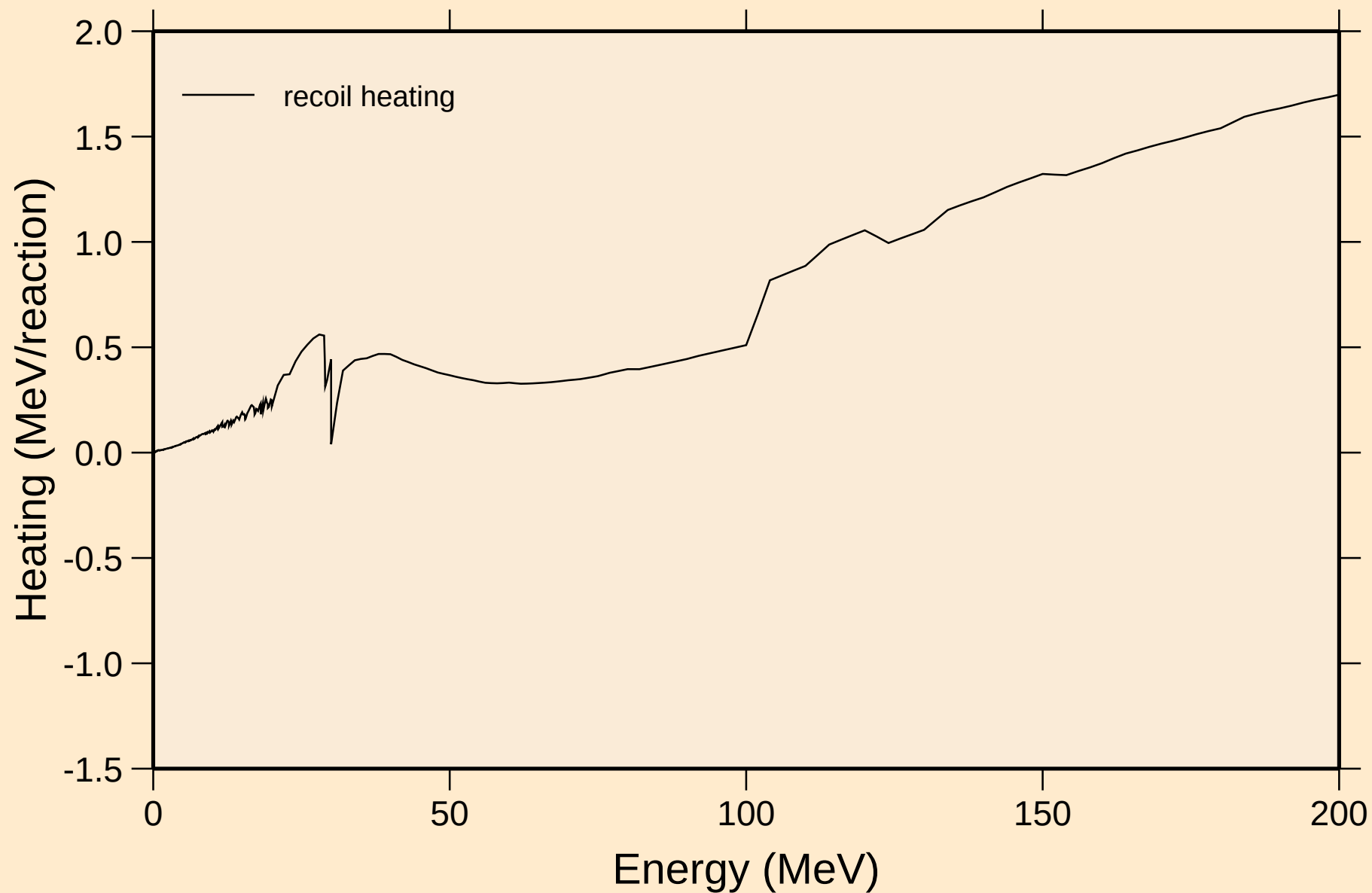
# TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

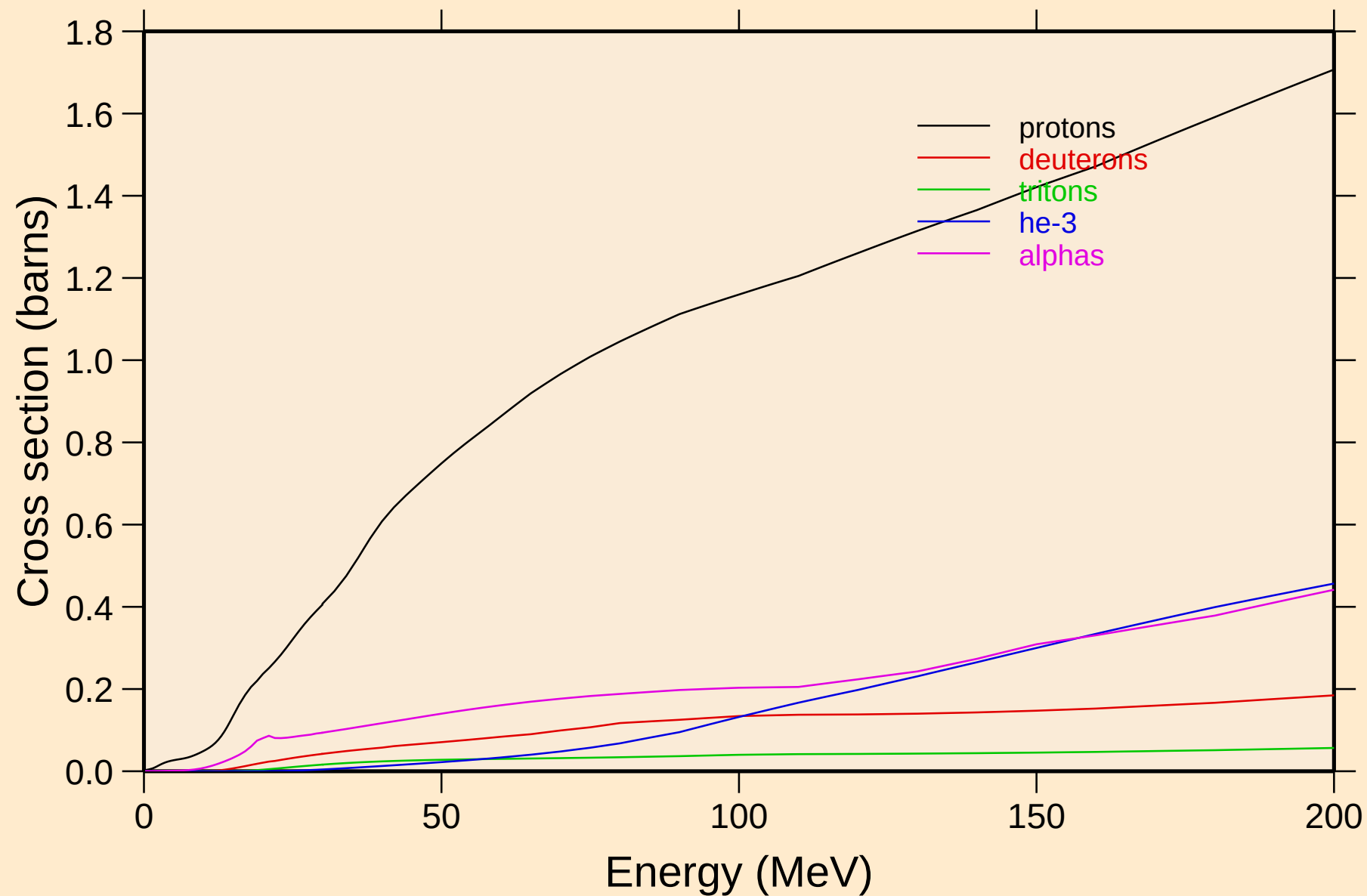




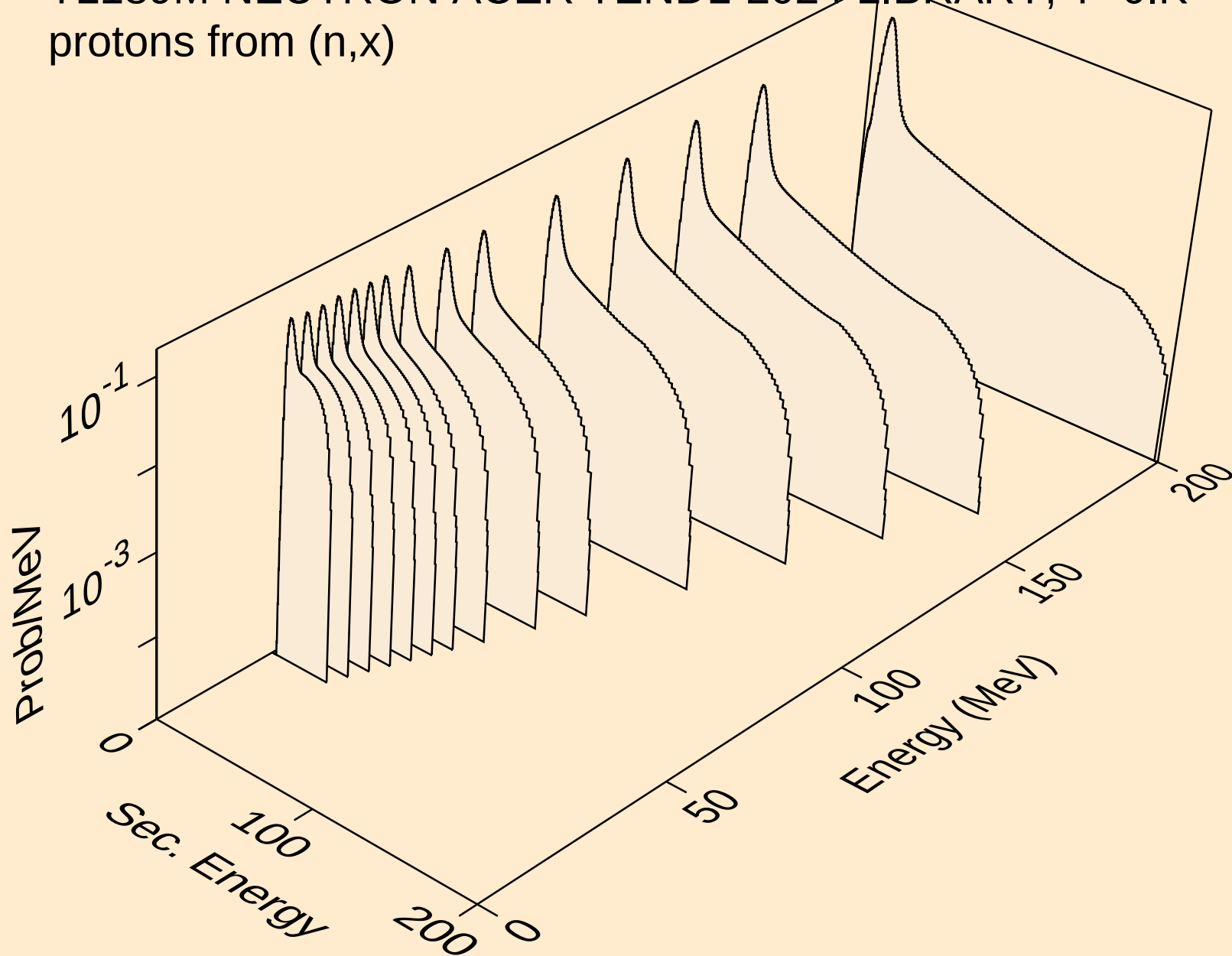
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



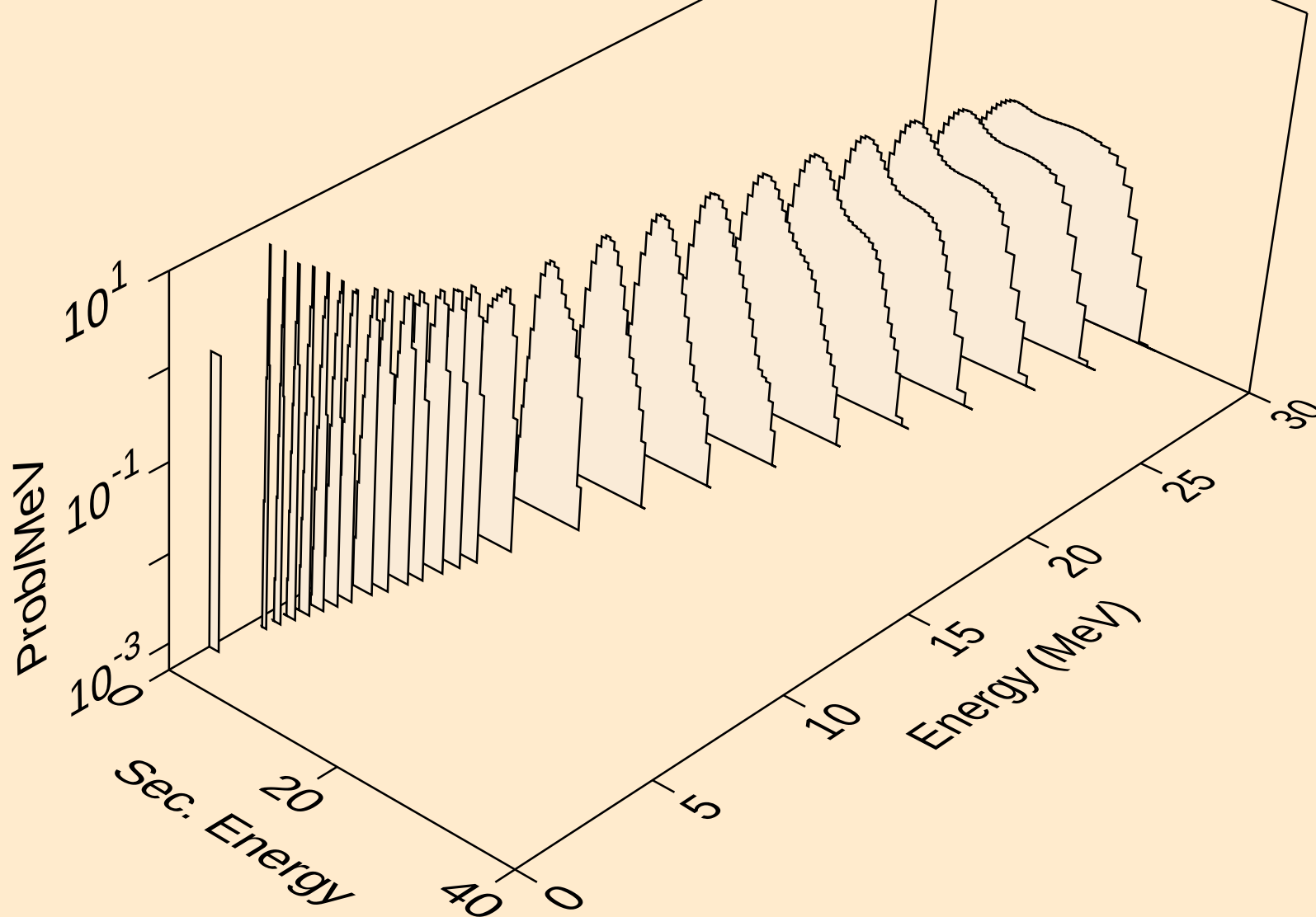
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



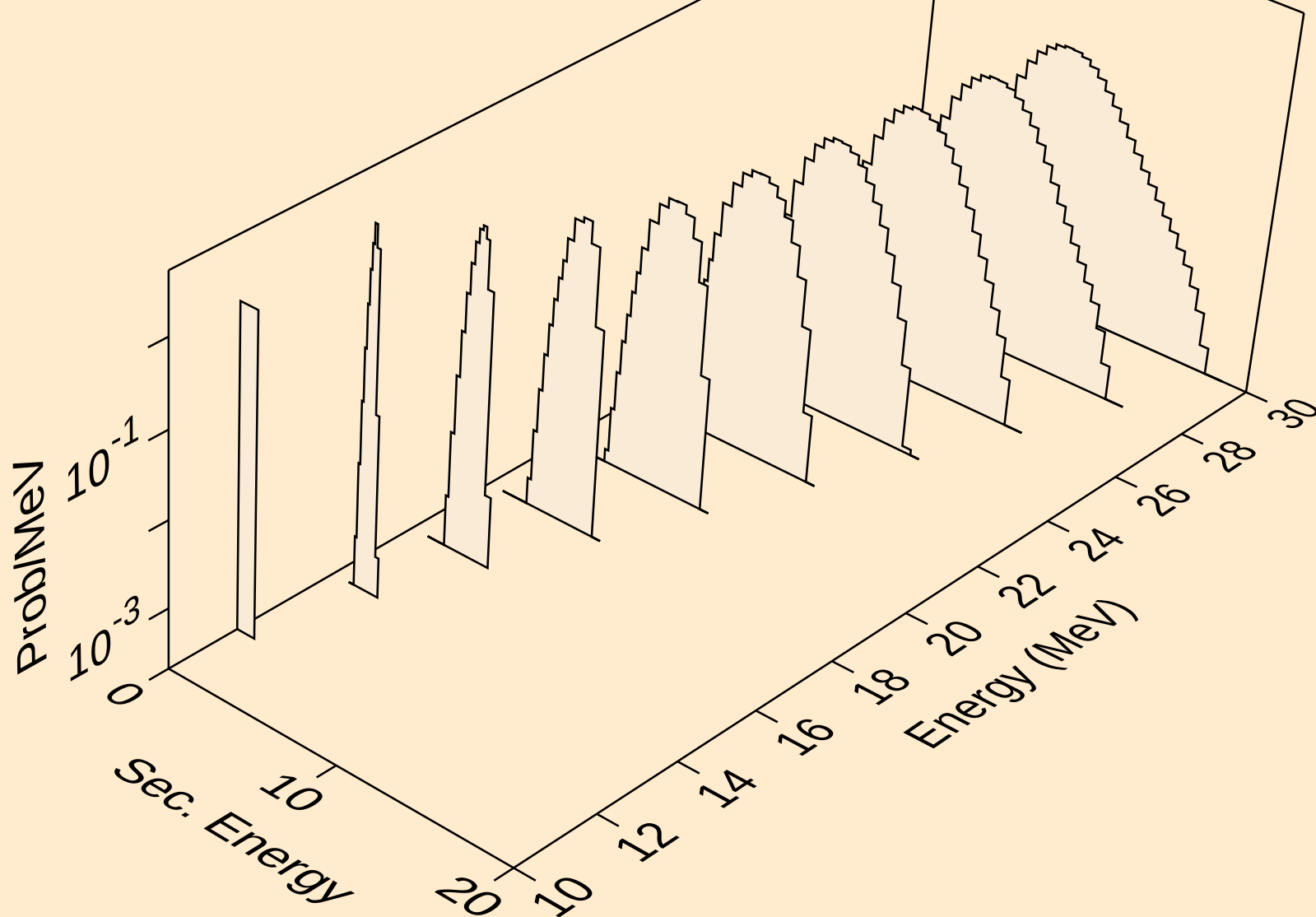
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



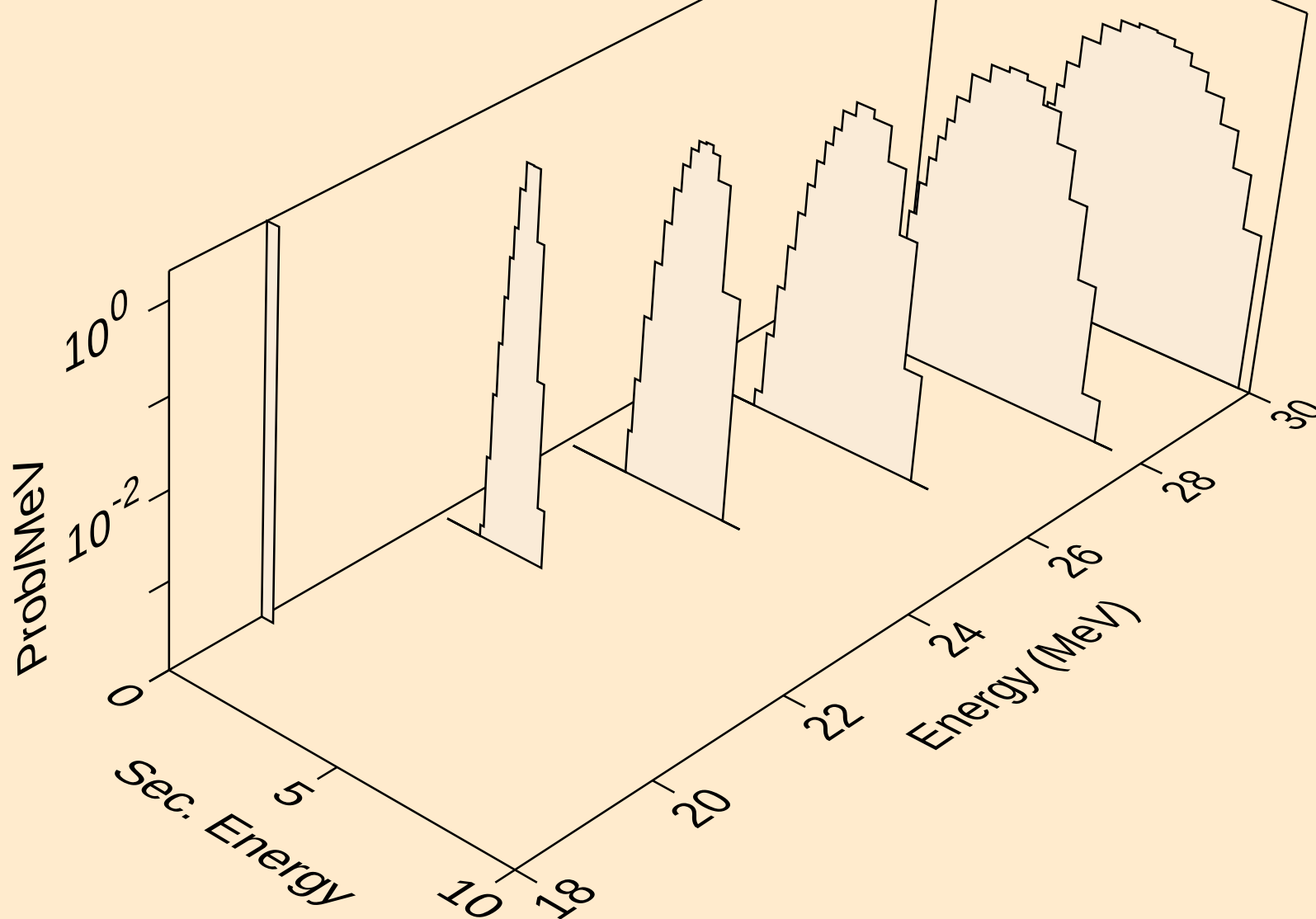
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



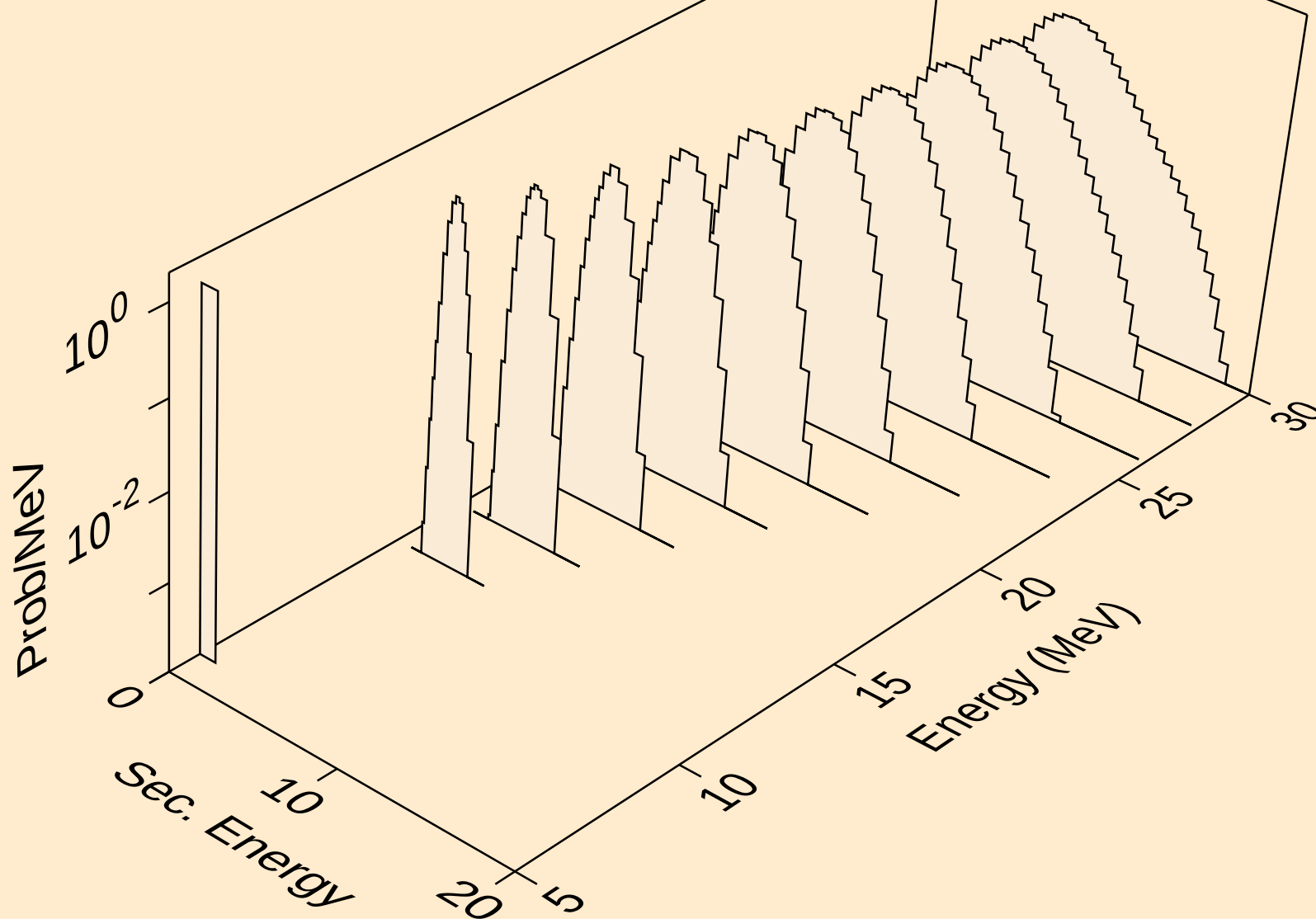
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



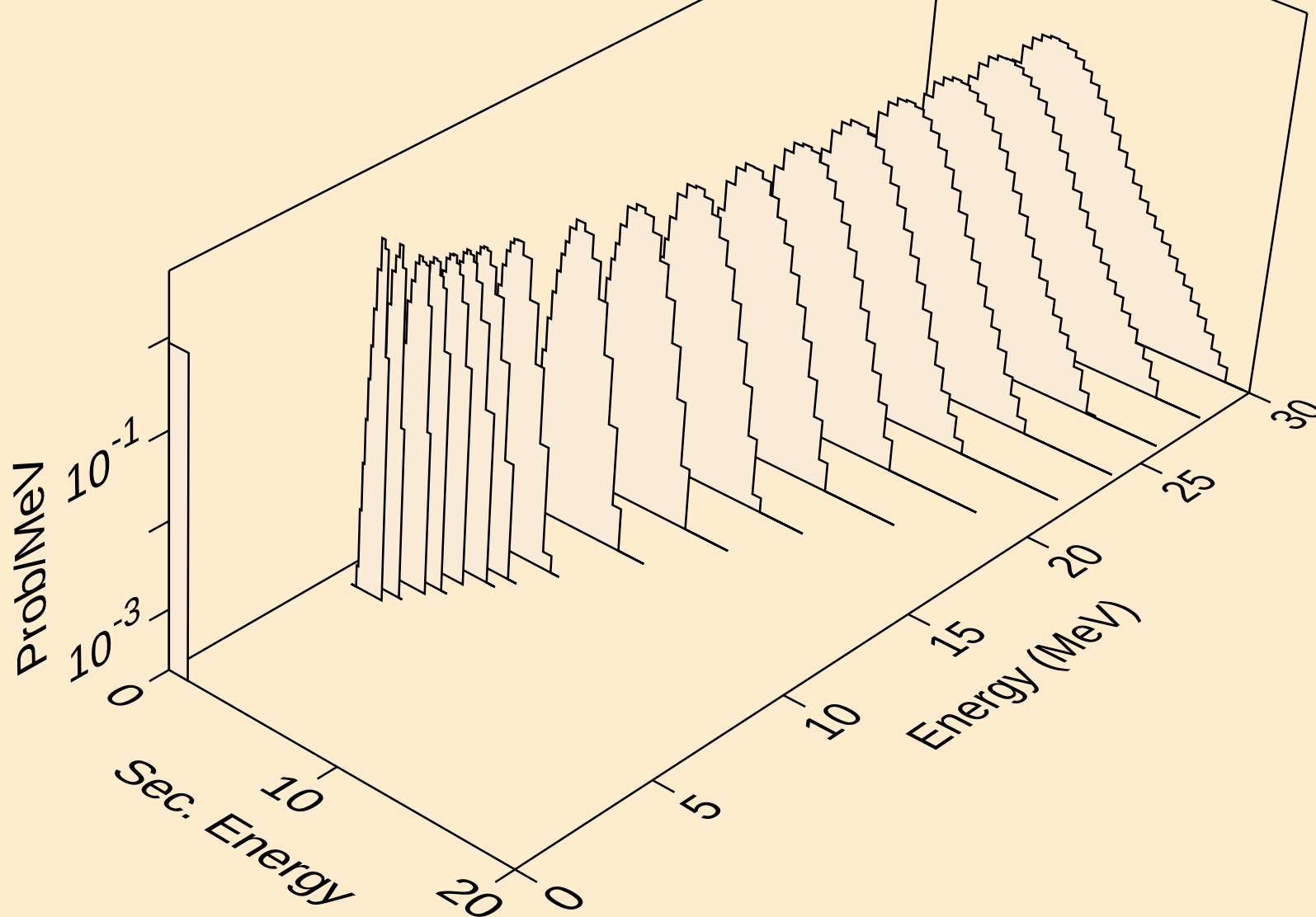
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

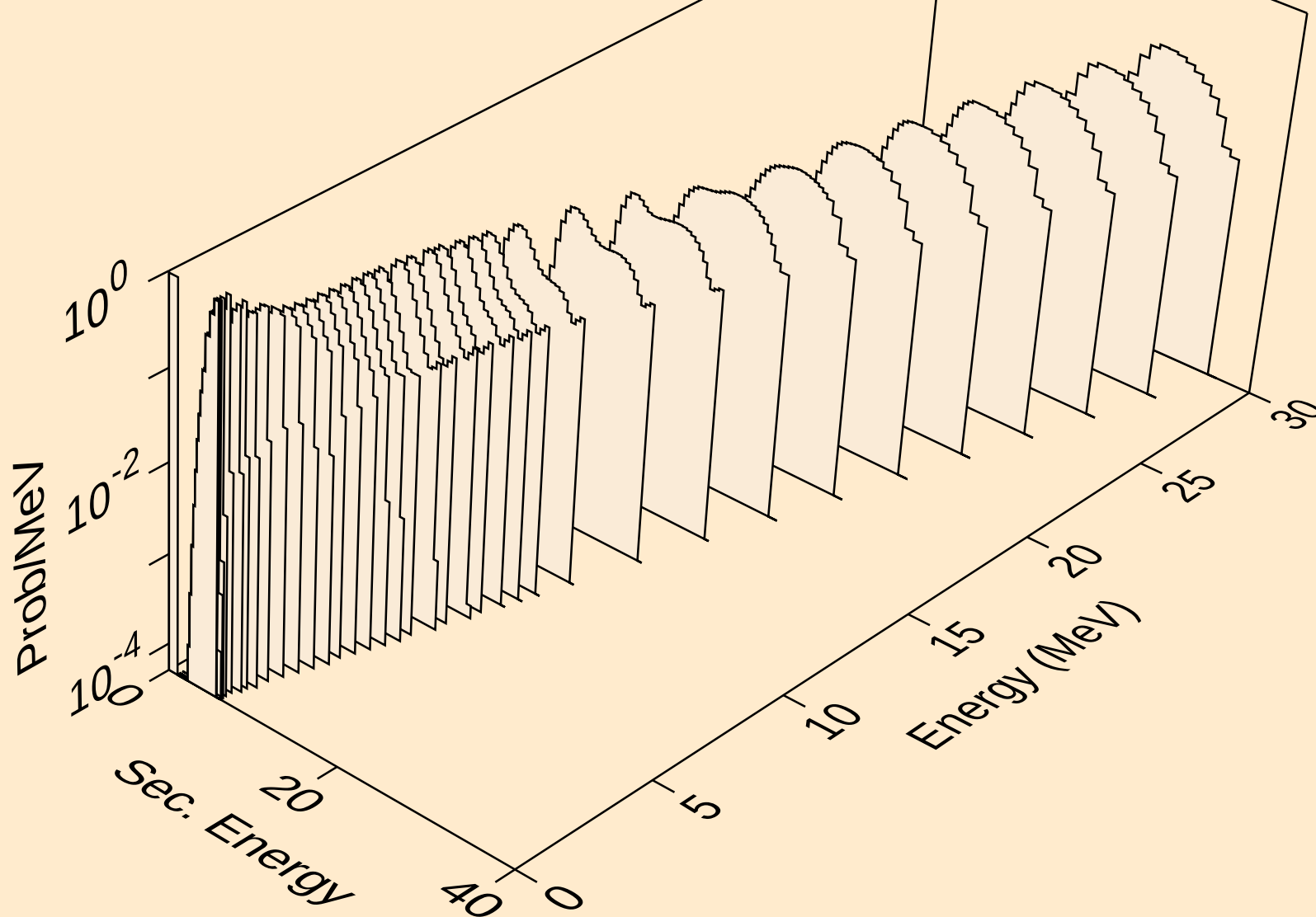


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protons from (n,npa)

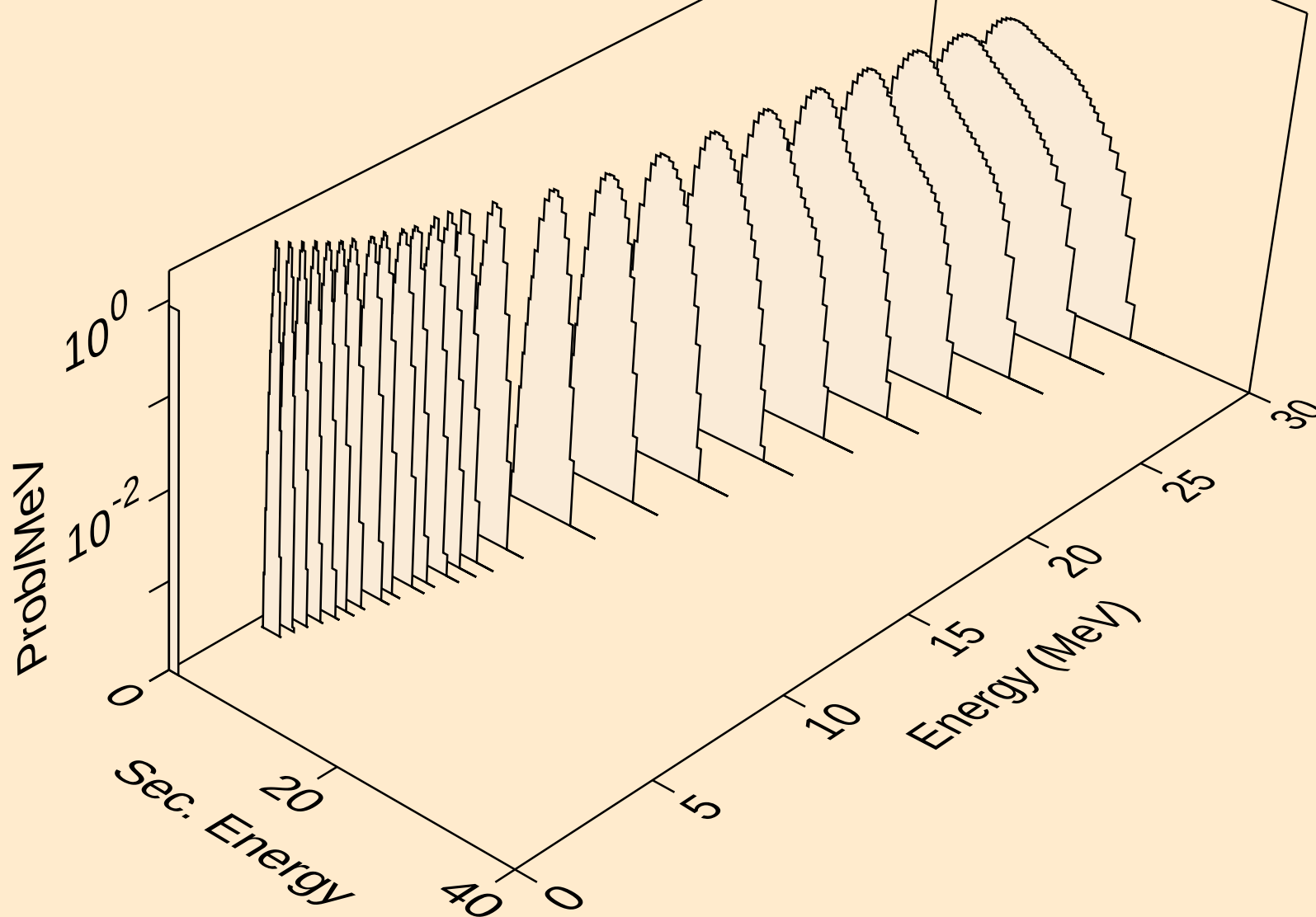




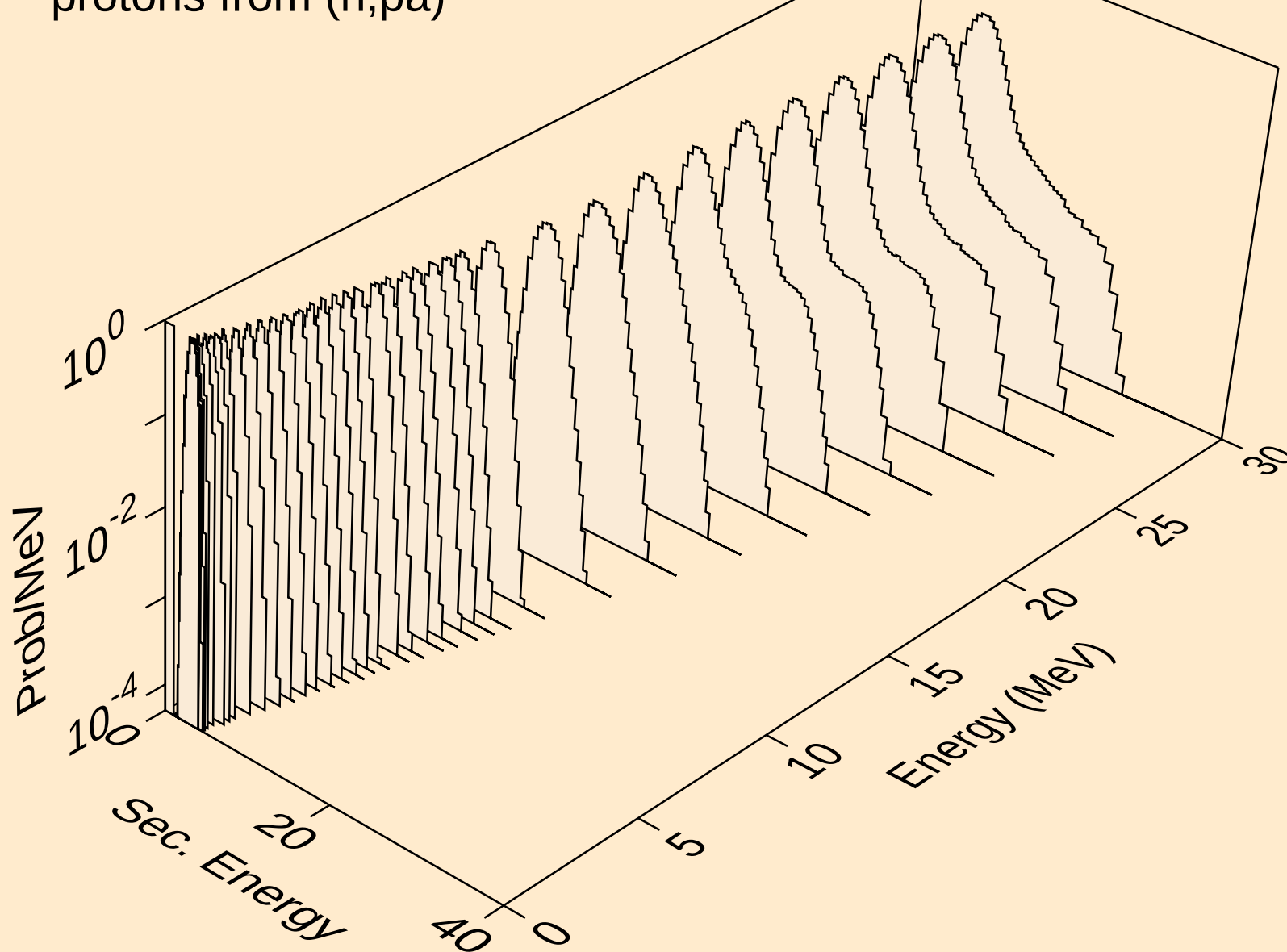
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protons from (n,p)



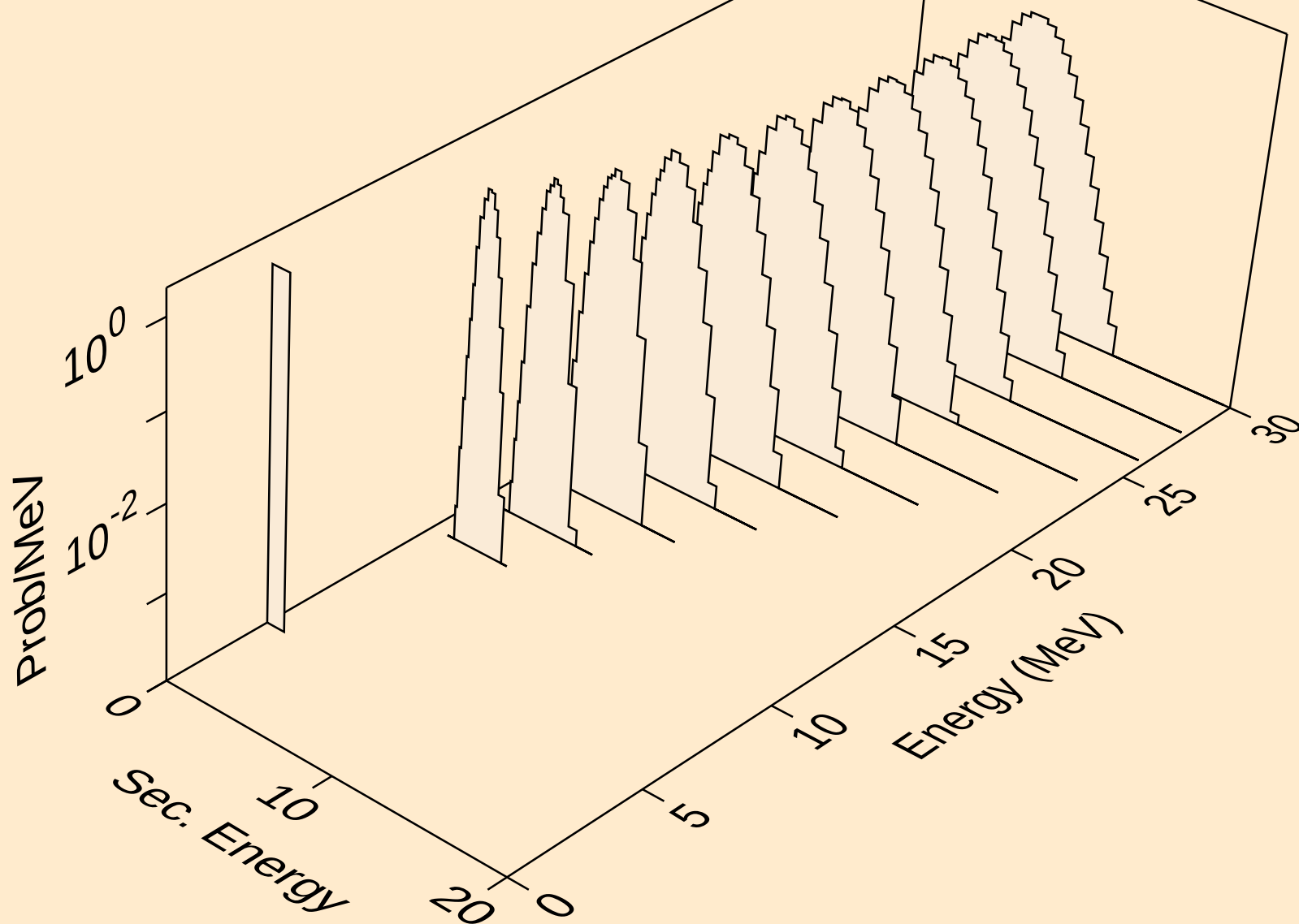
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protons from (n,2p)



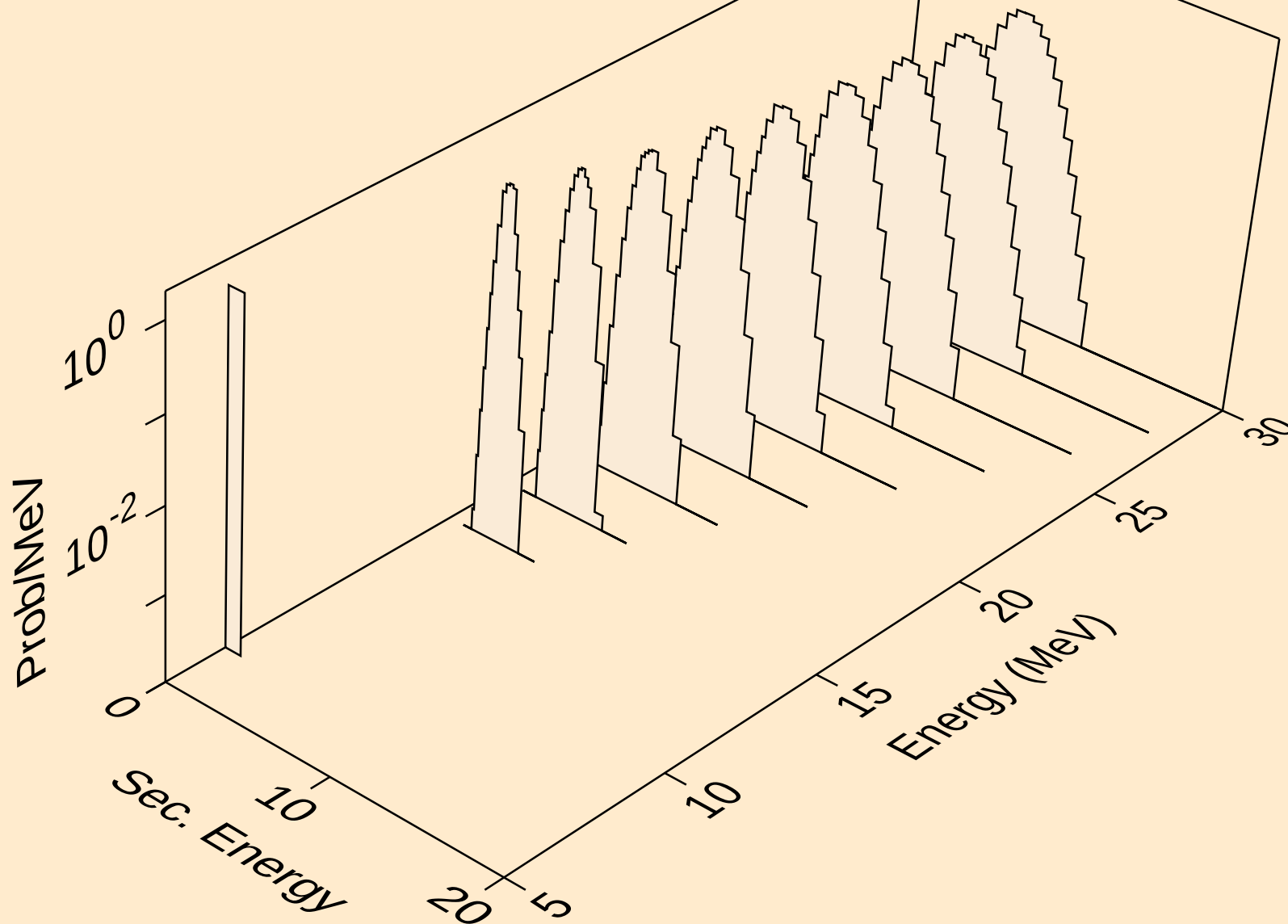
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protons from (n,p)



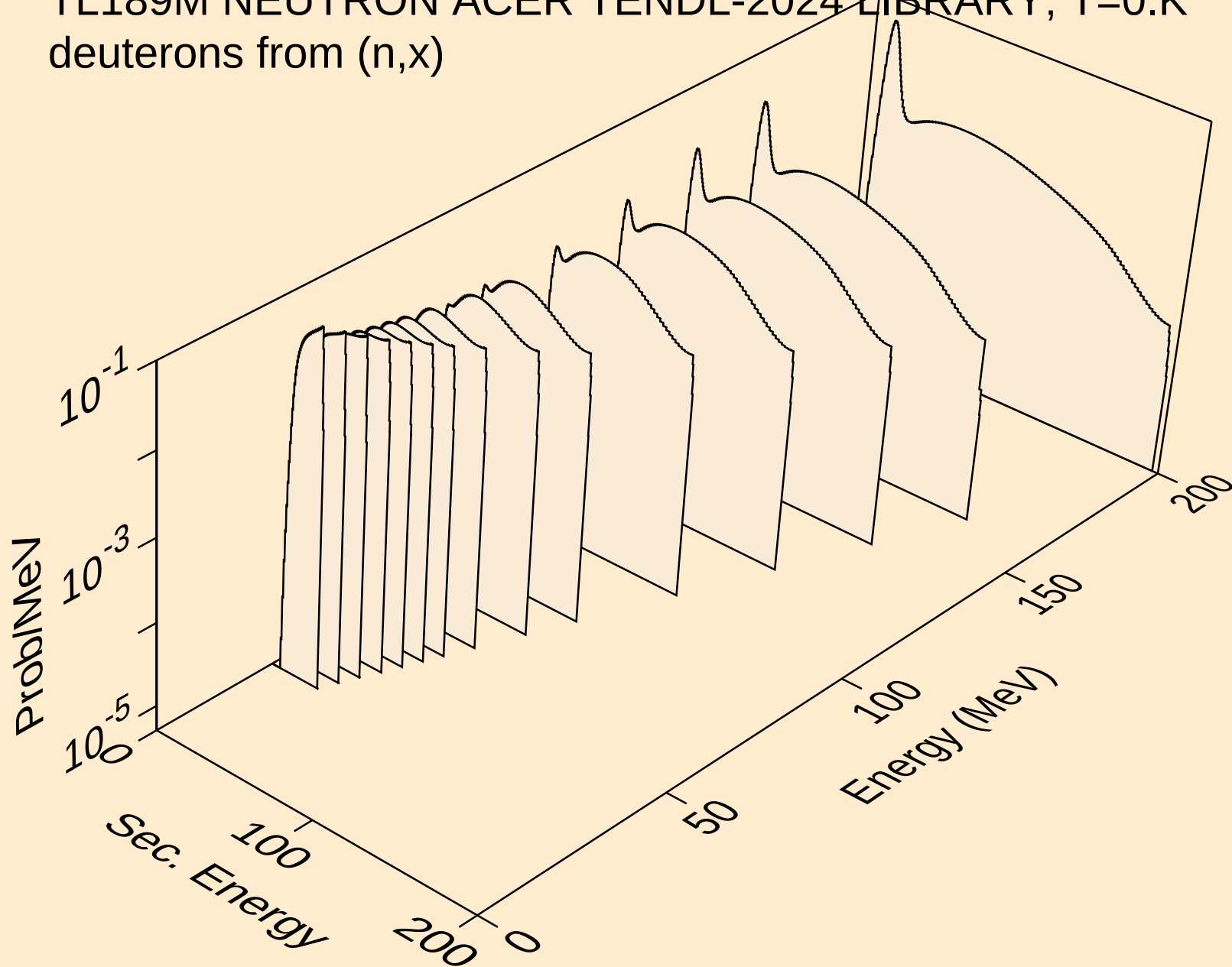
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protons from (n,pd)



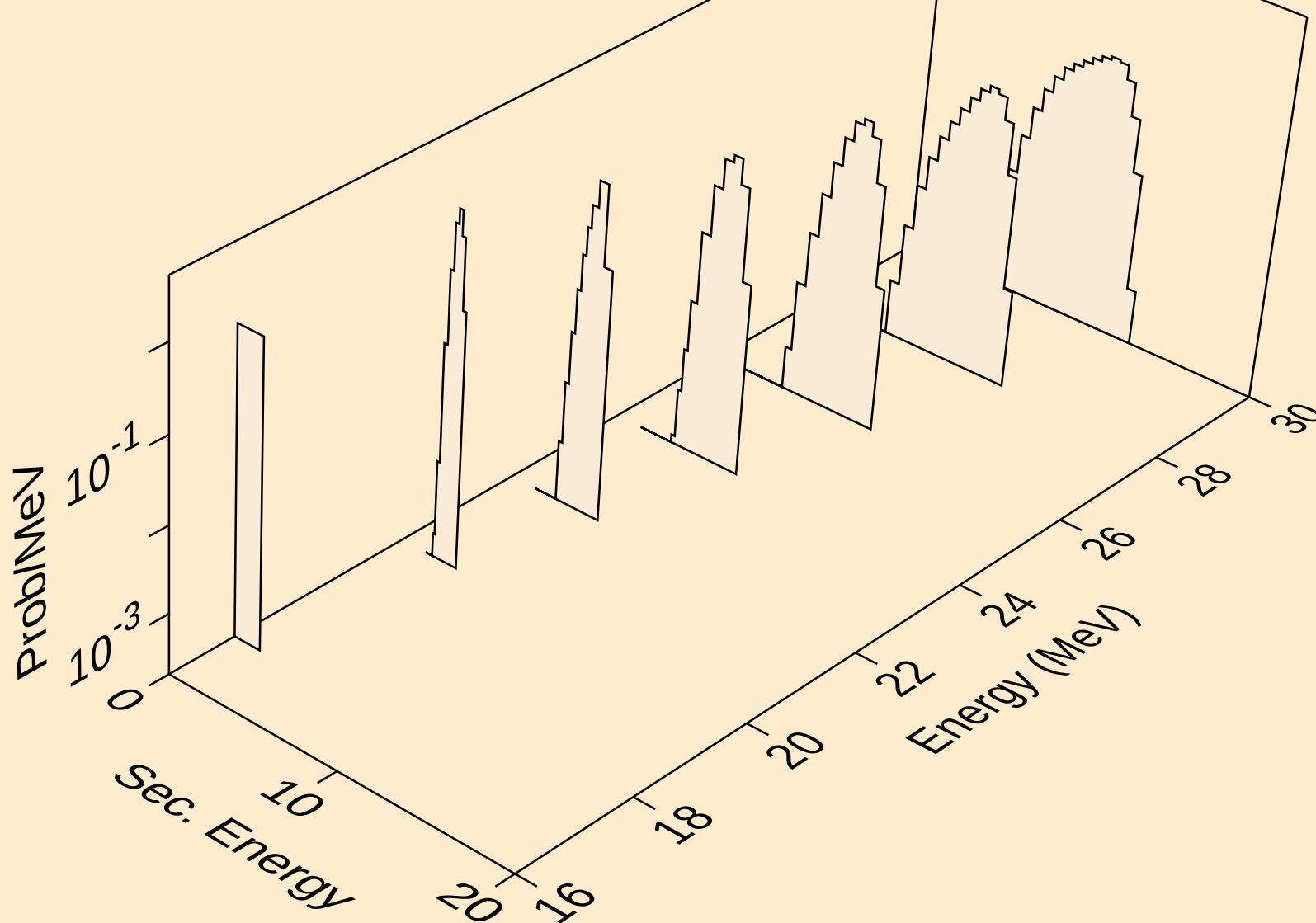
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protons from (n,pt)



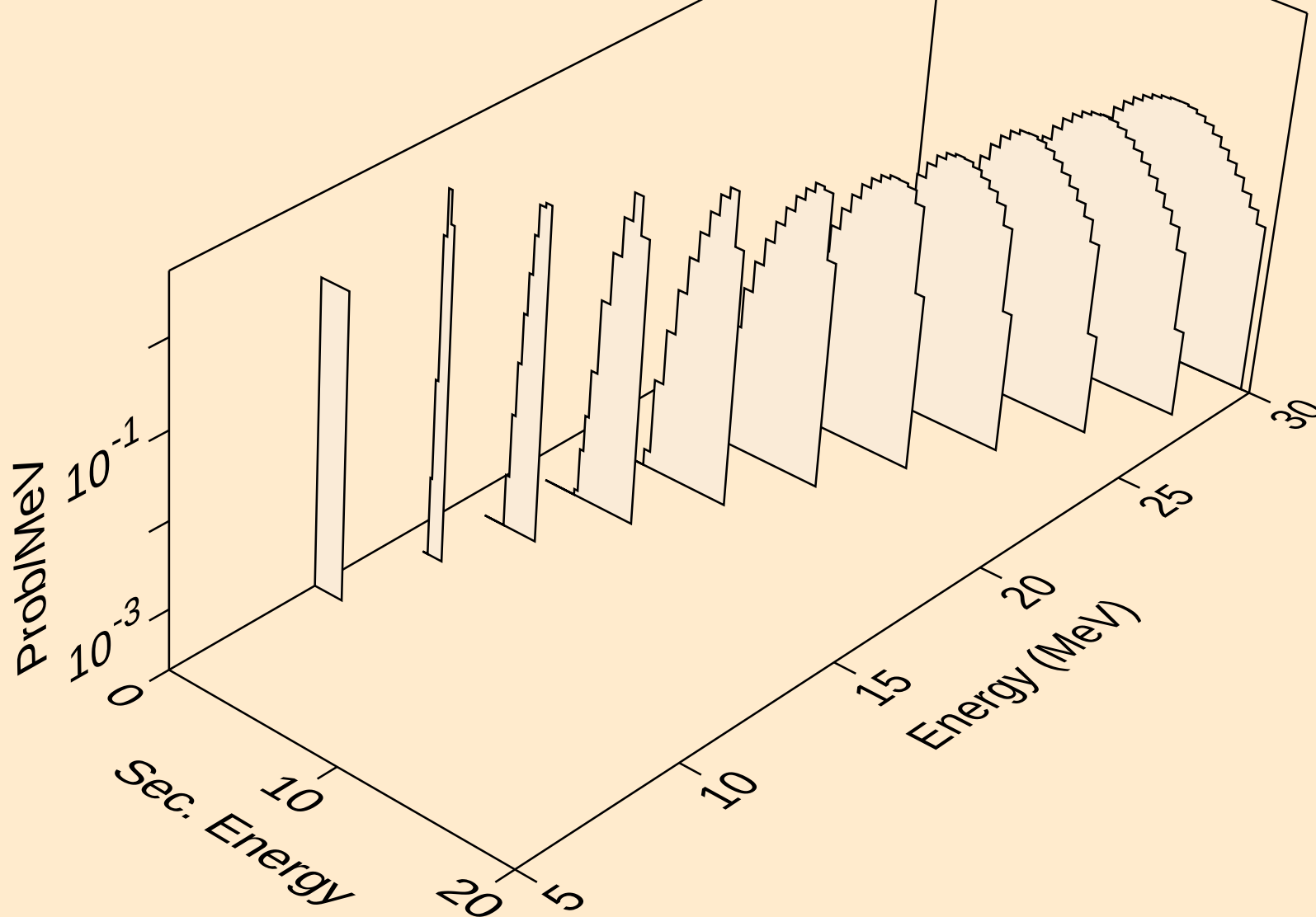
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

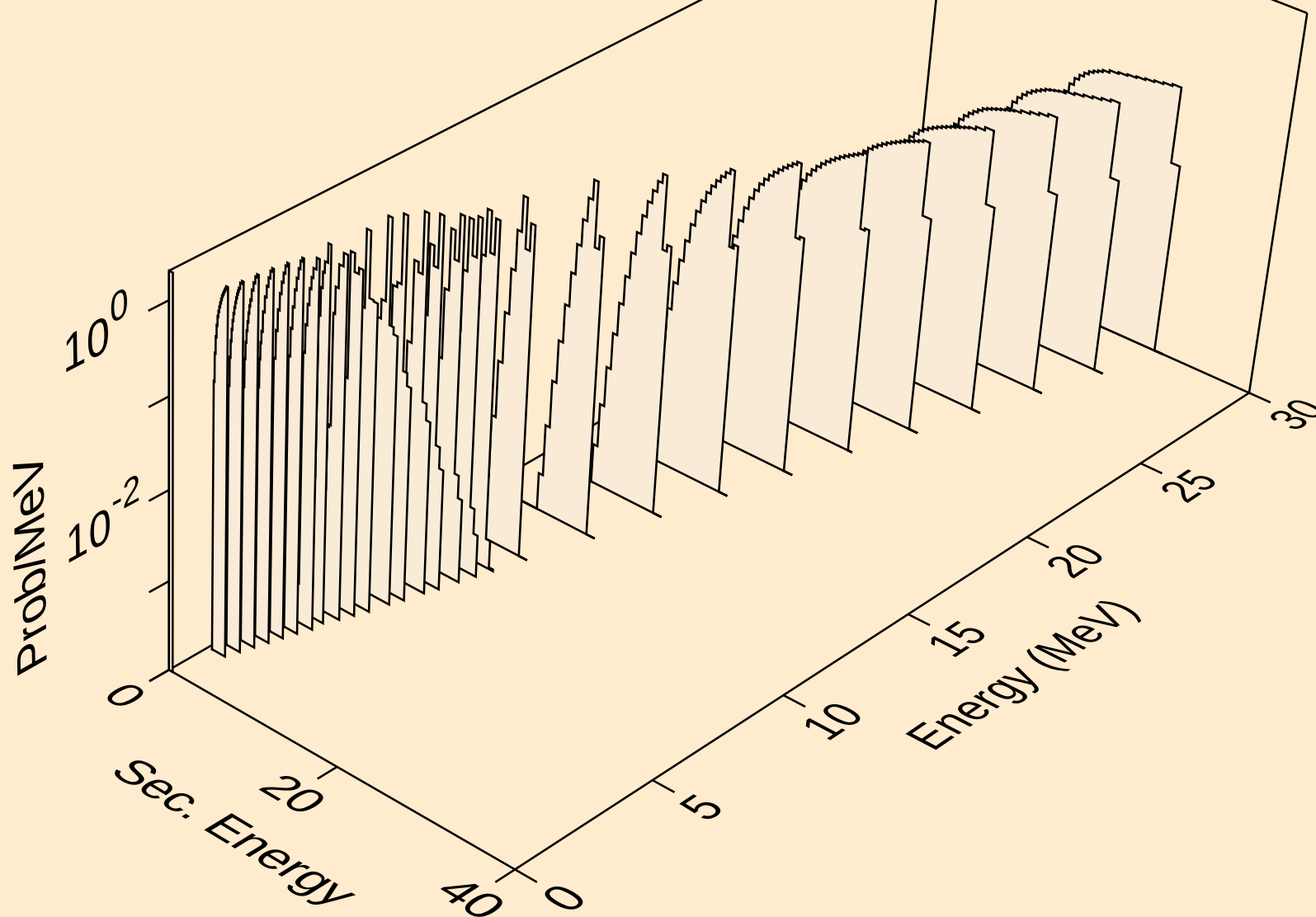


TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

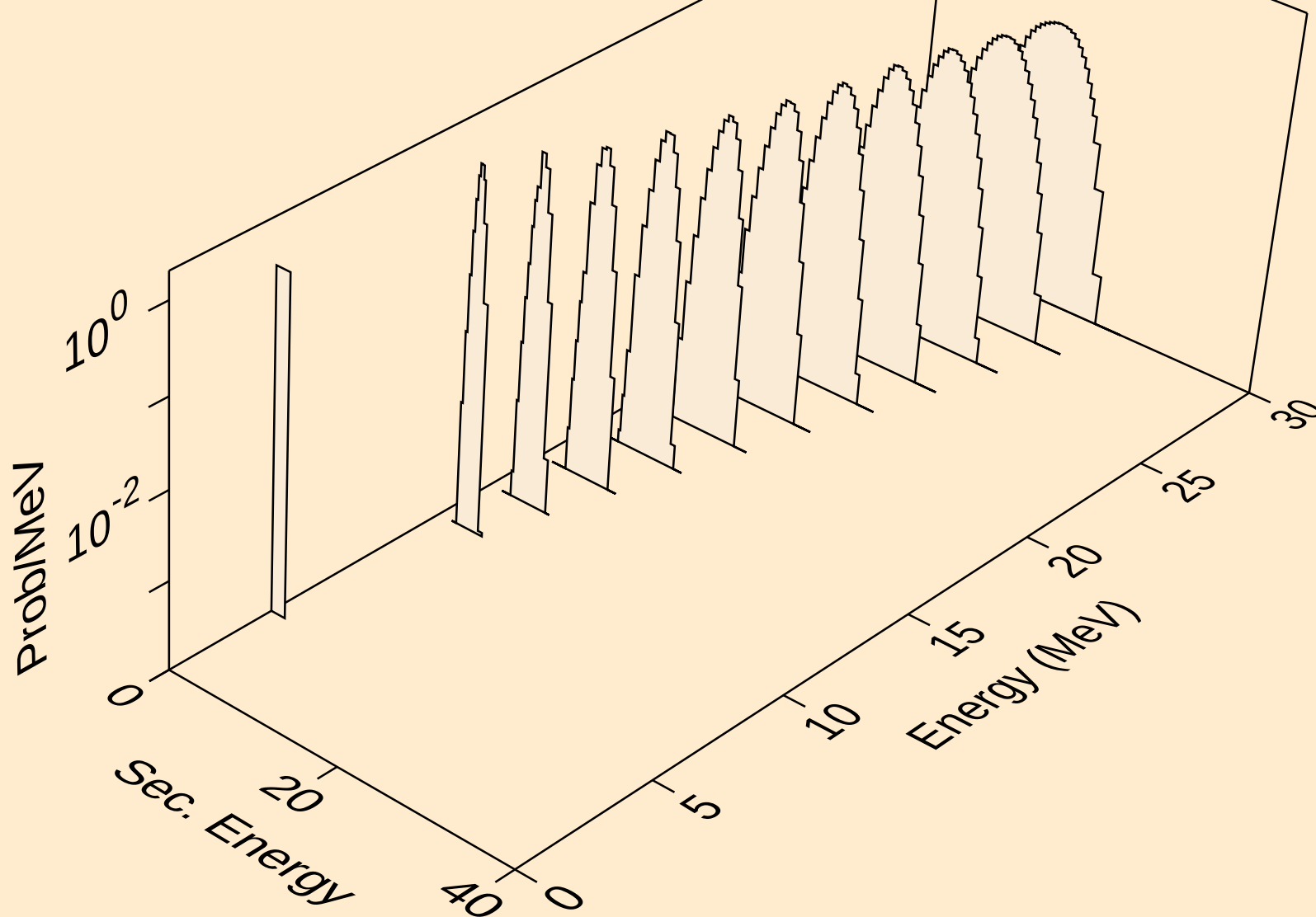




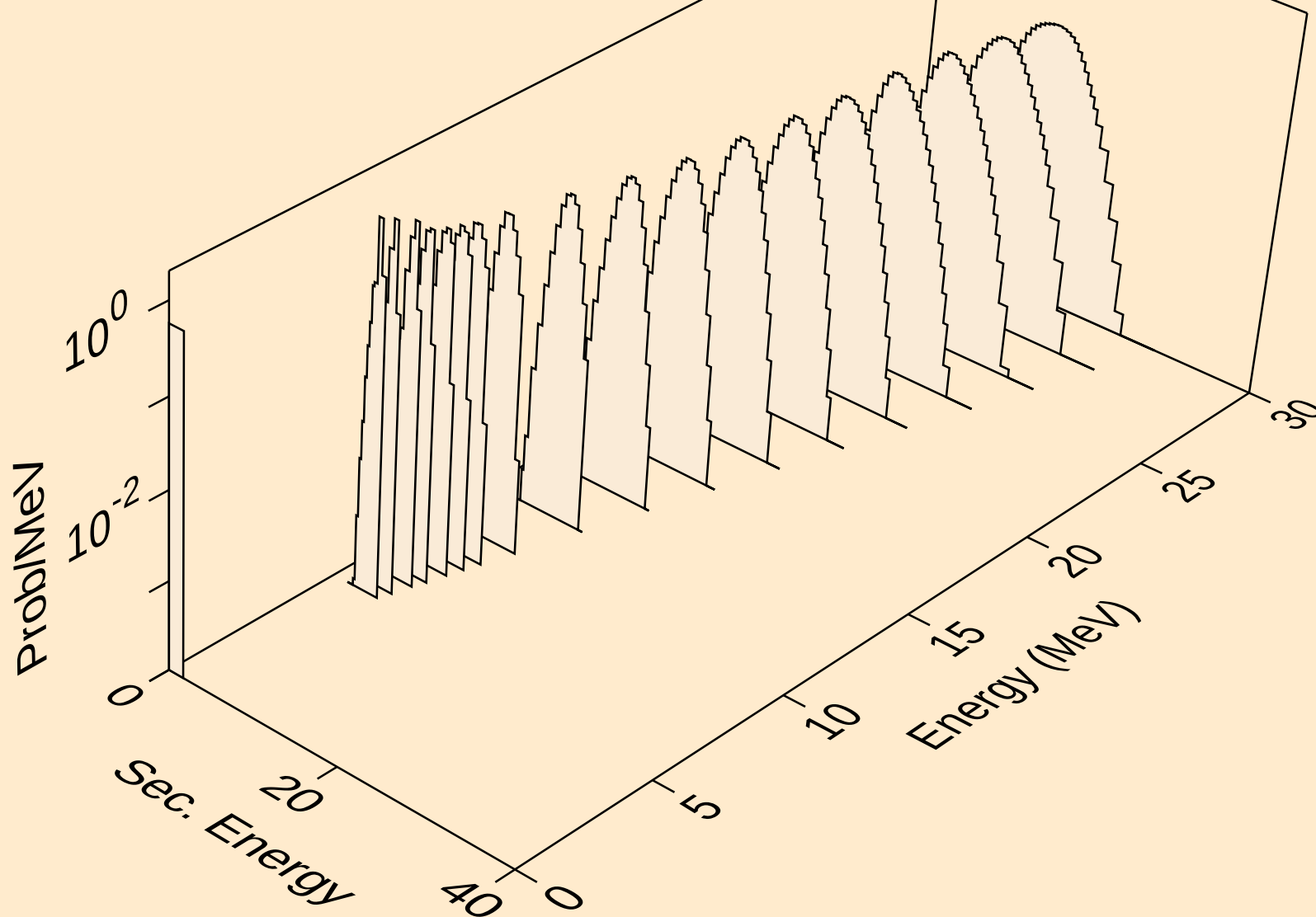
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deuterons from (n,d)



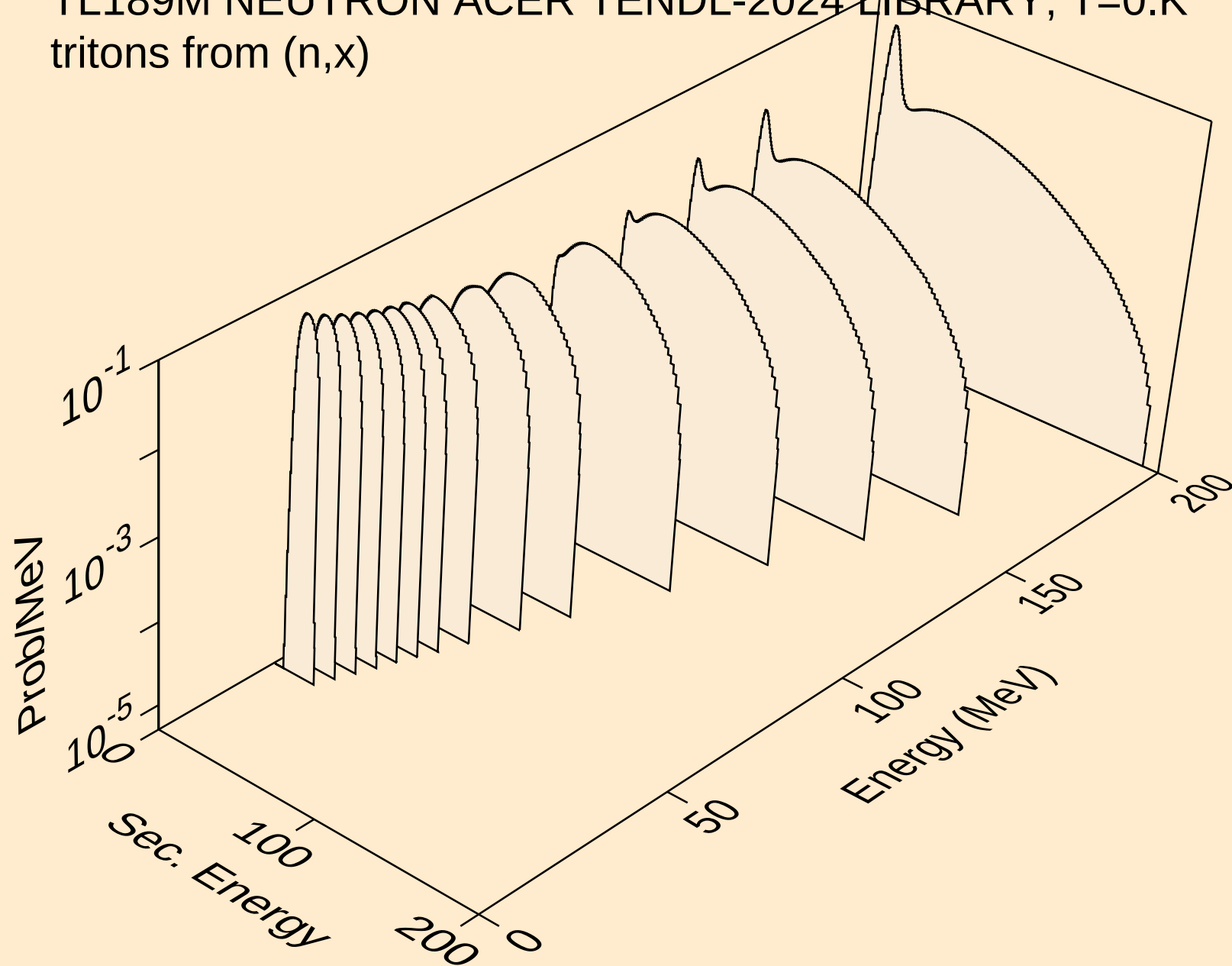
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deuterons from (n,pd)



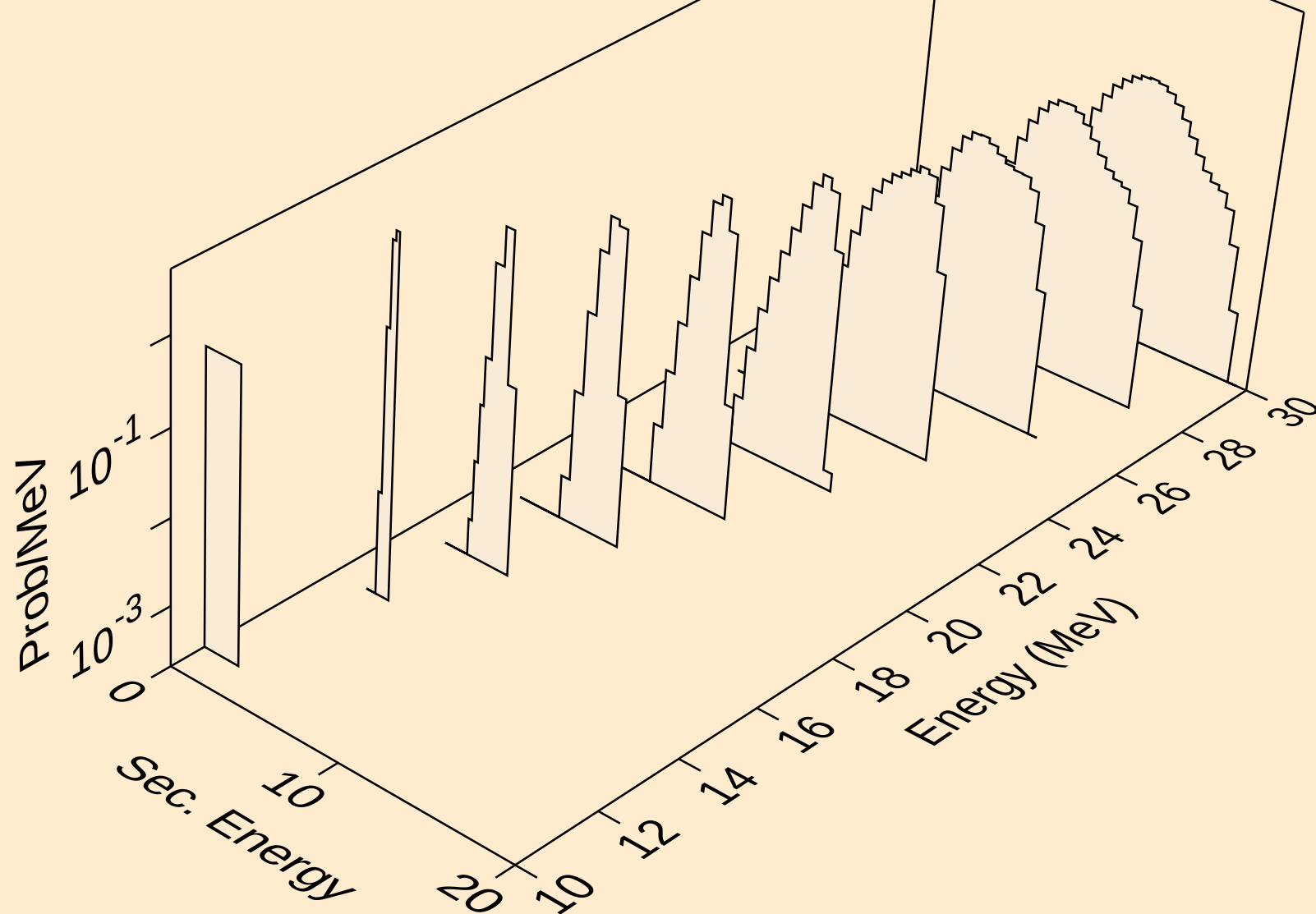
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deuterons from (n,da)



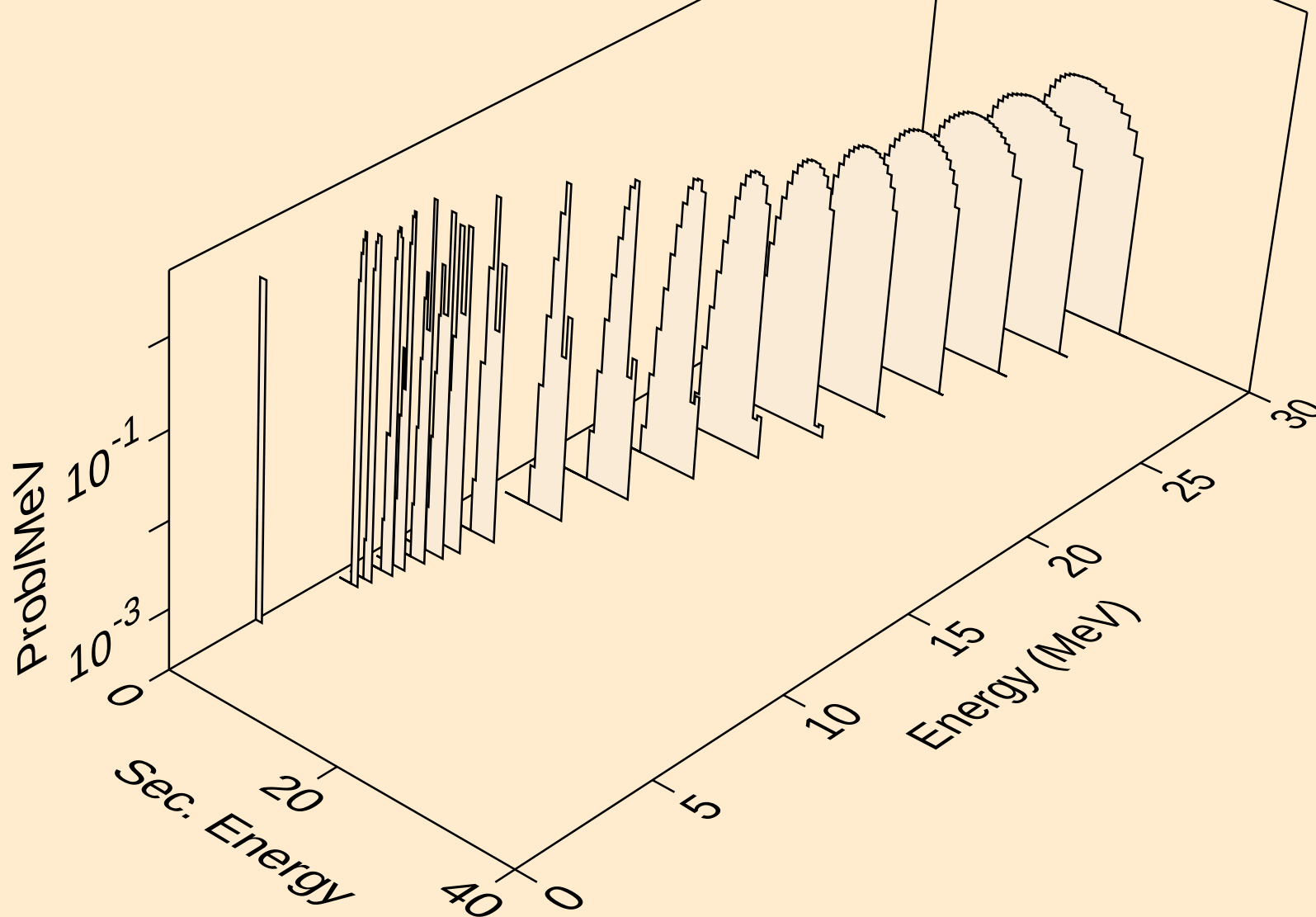
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tritons from (n,x)



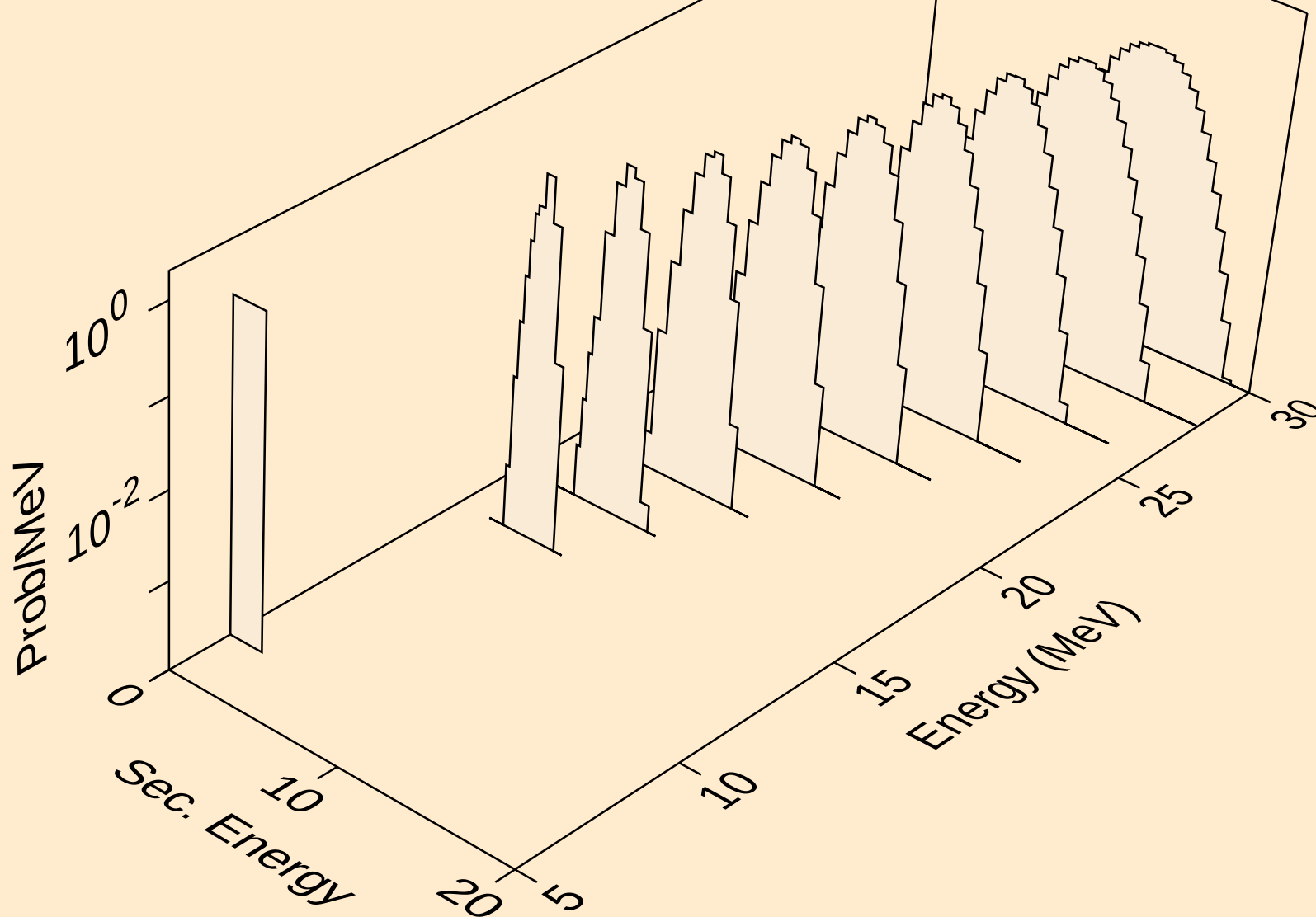
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



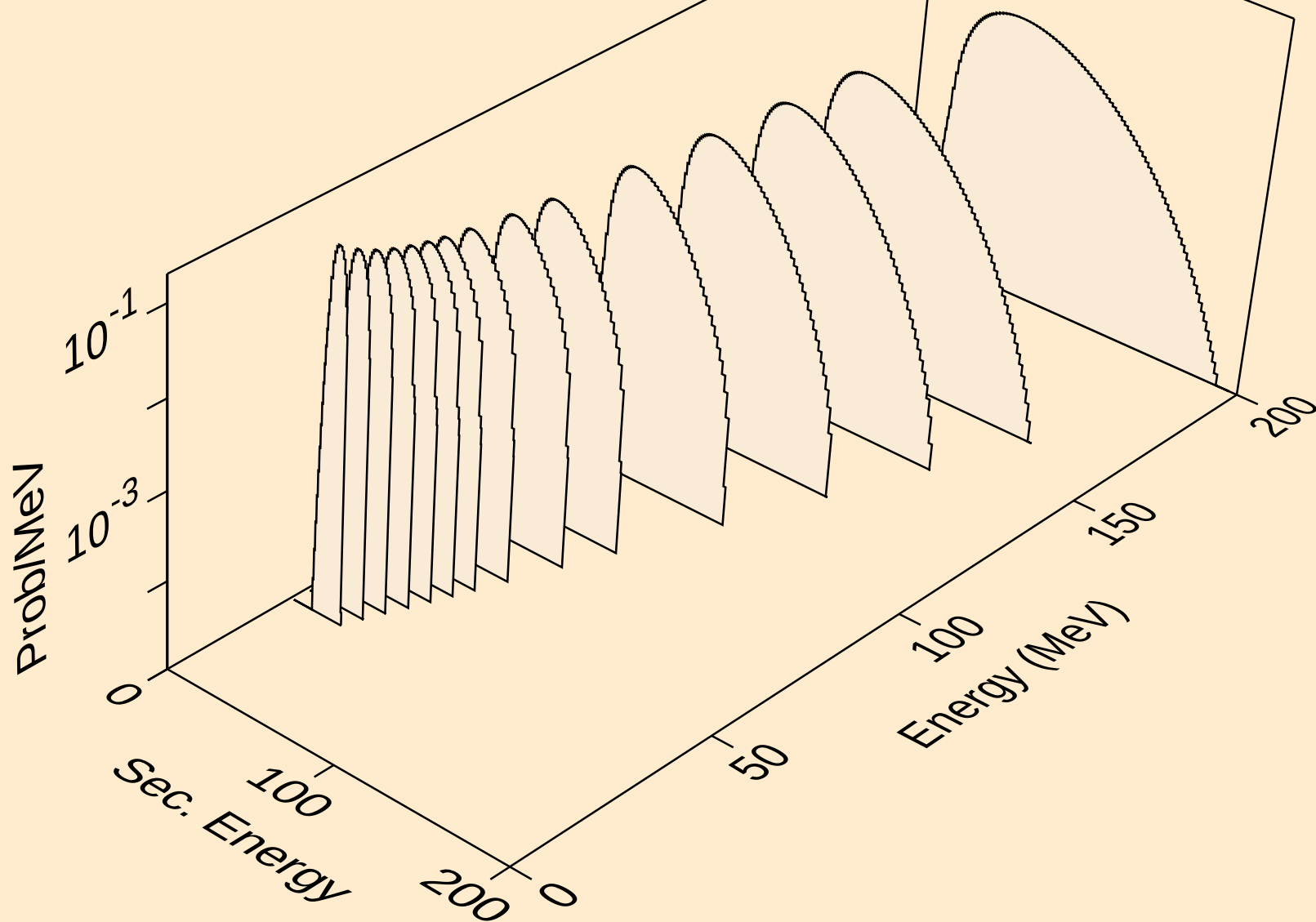
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tritons from (n,t)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

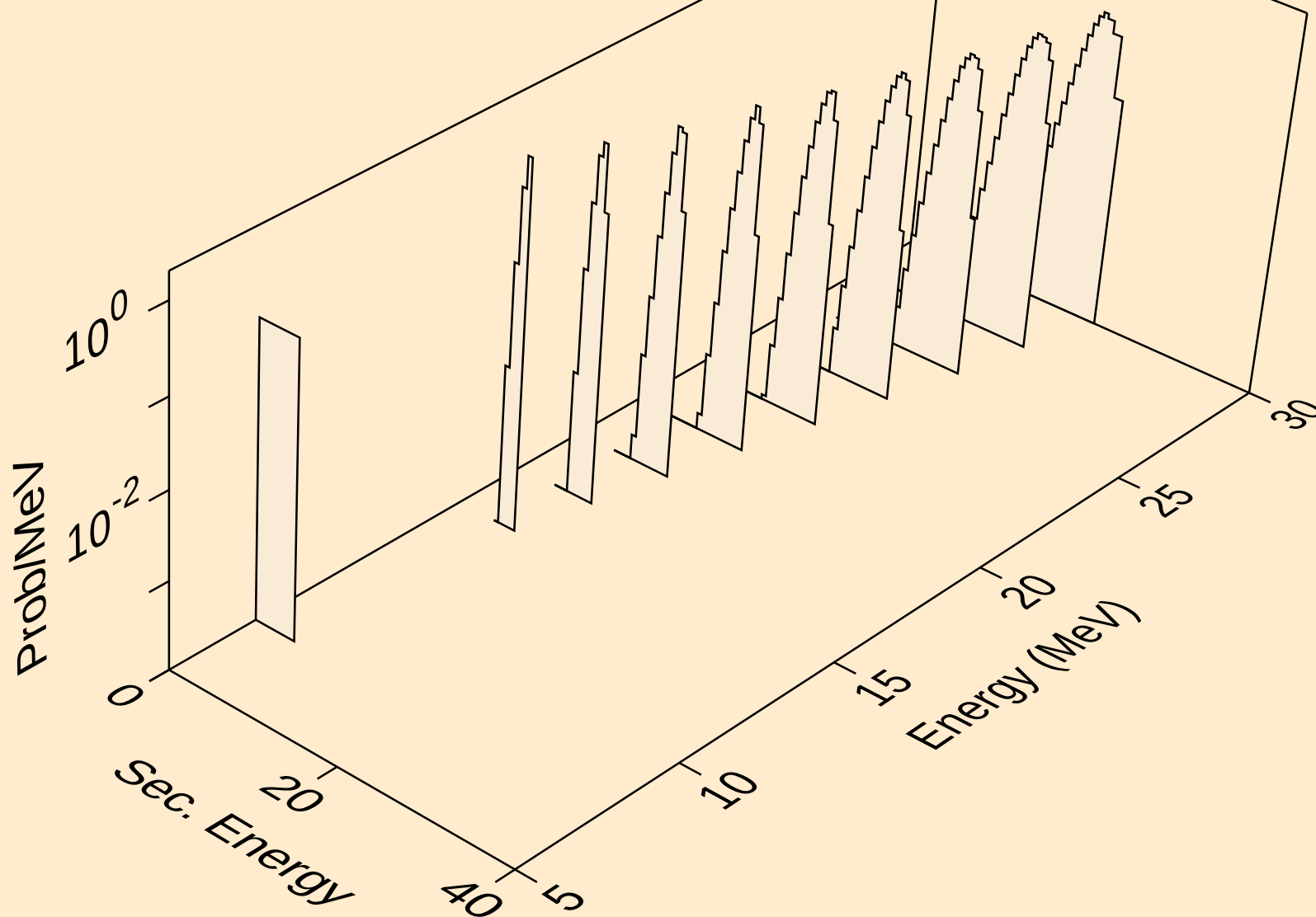


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he3s from (n,x)

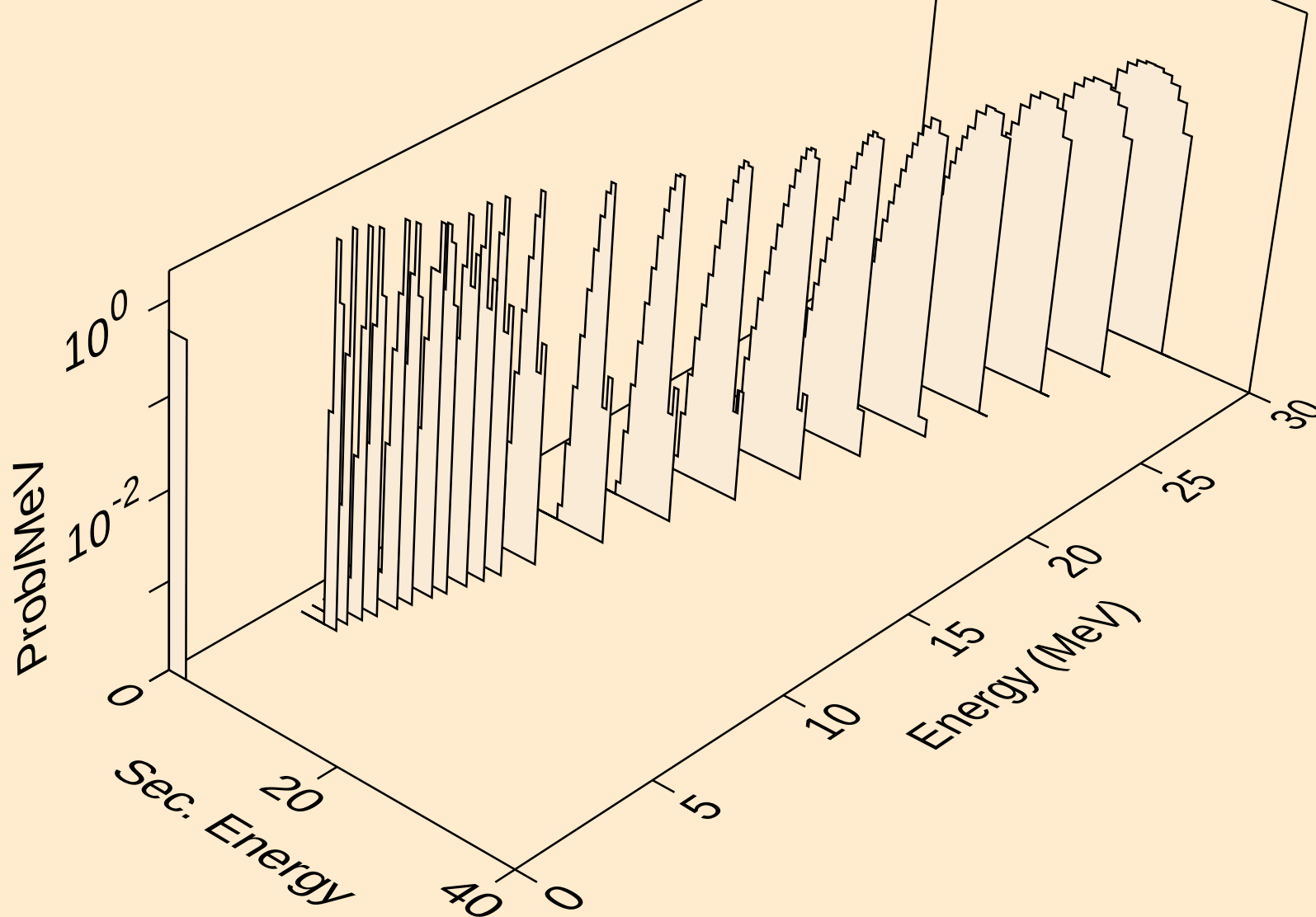




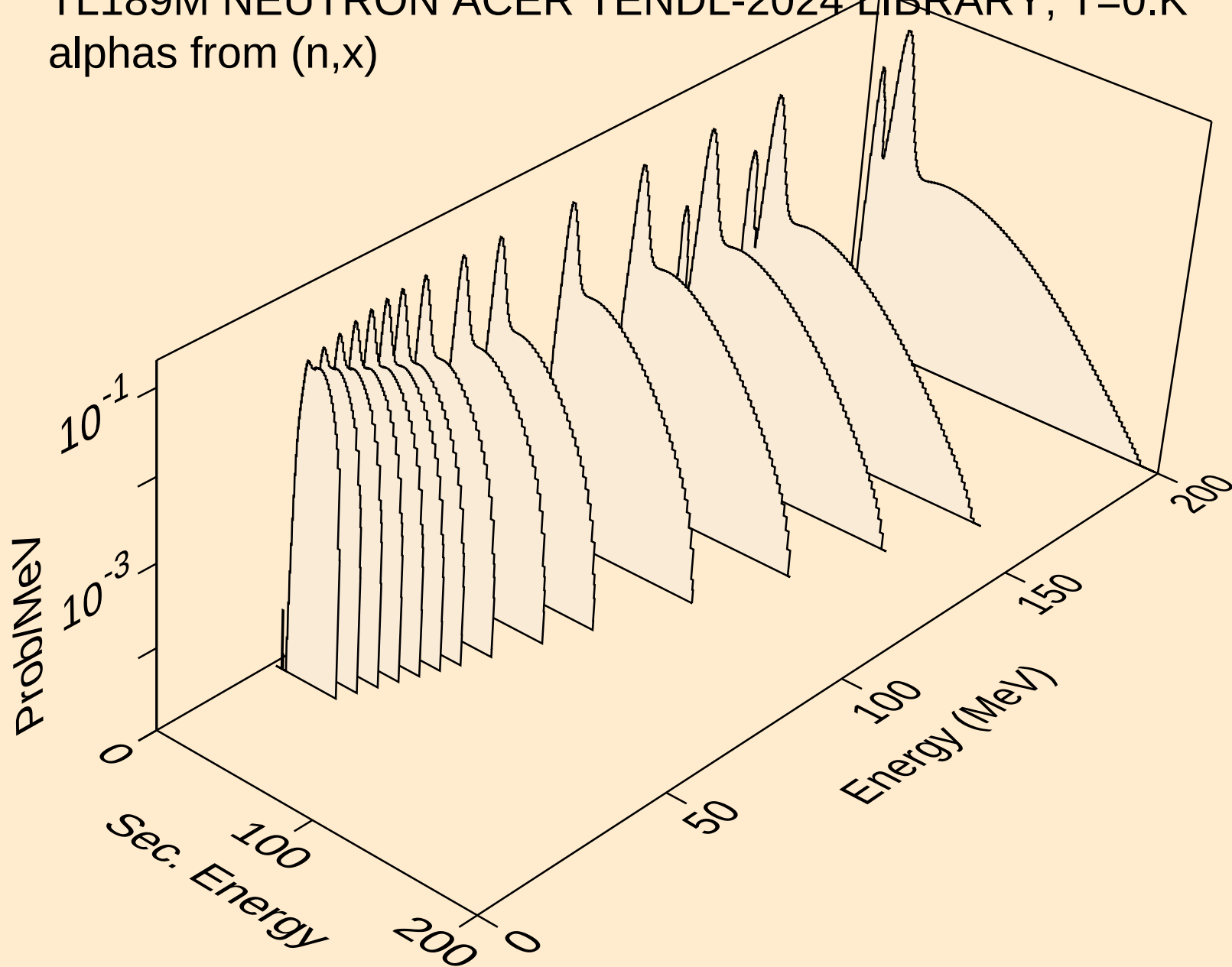
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he3s from (n,n\*)he3



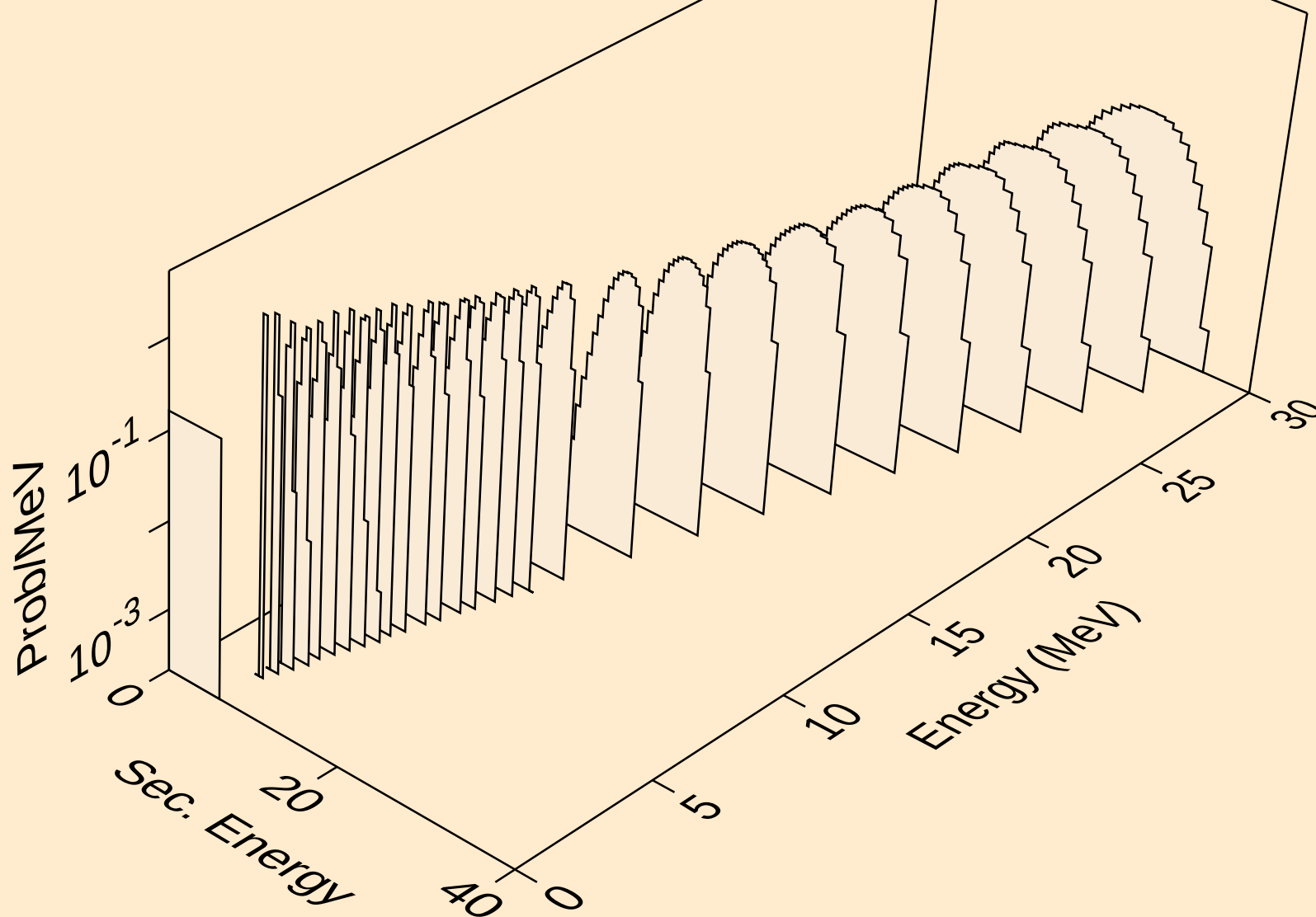
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he3s from (n,he3)



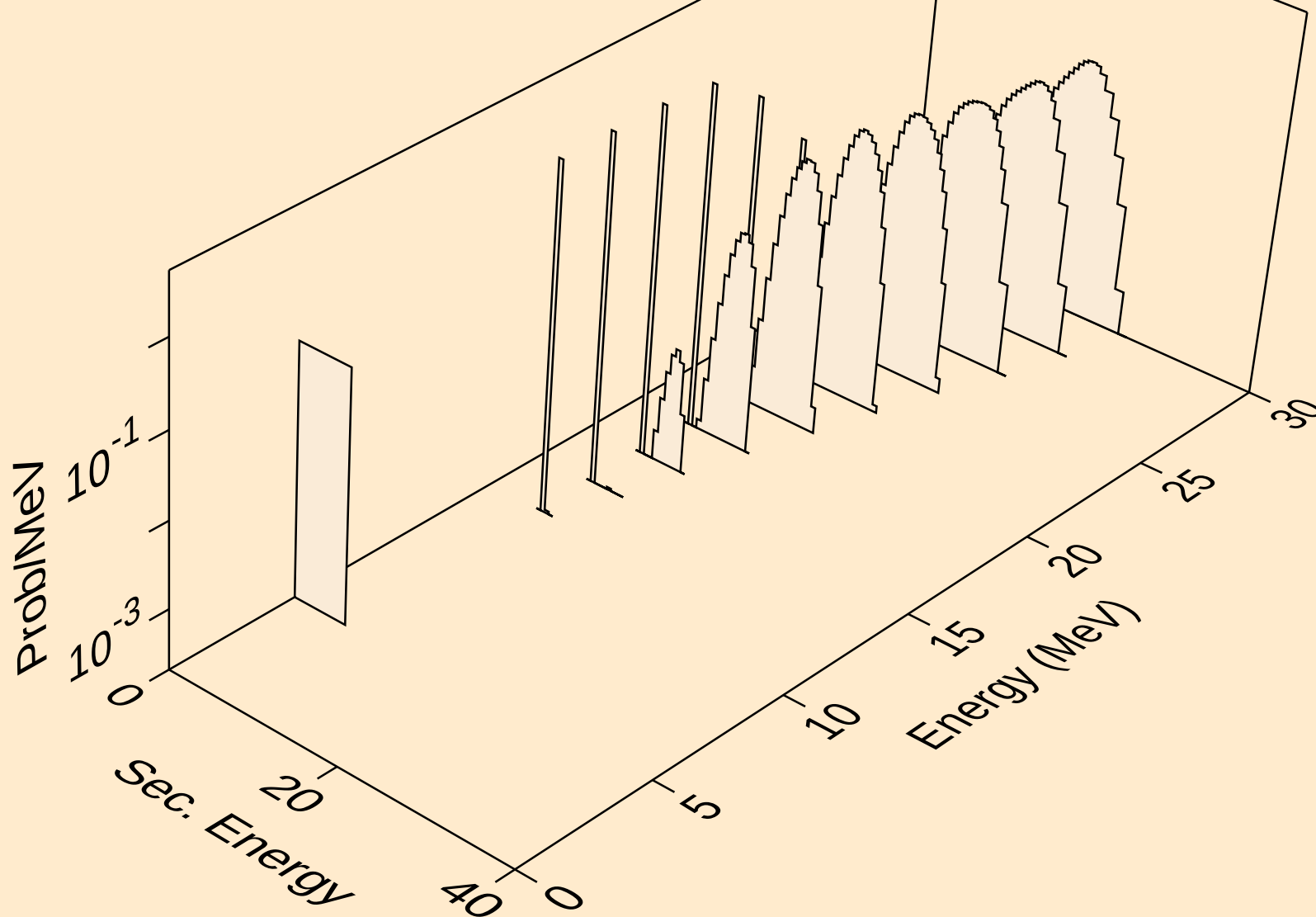
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



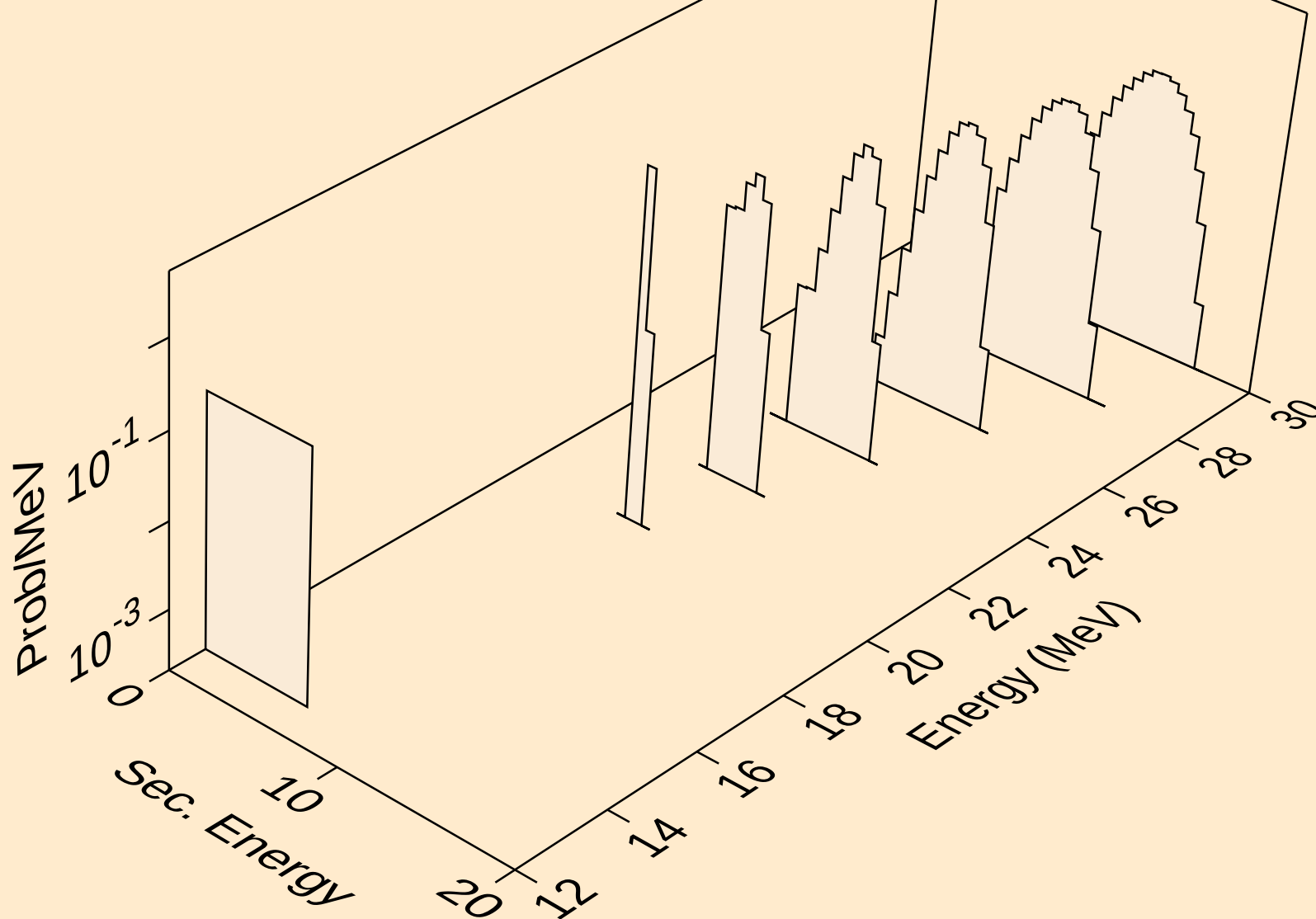
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



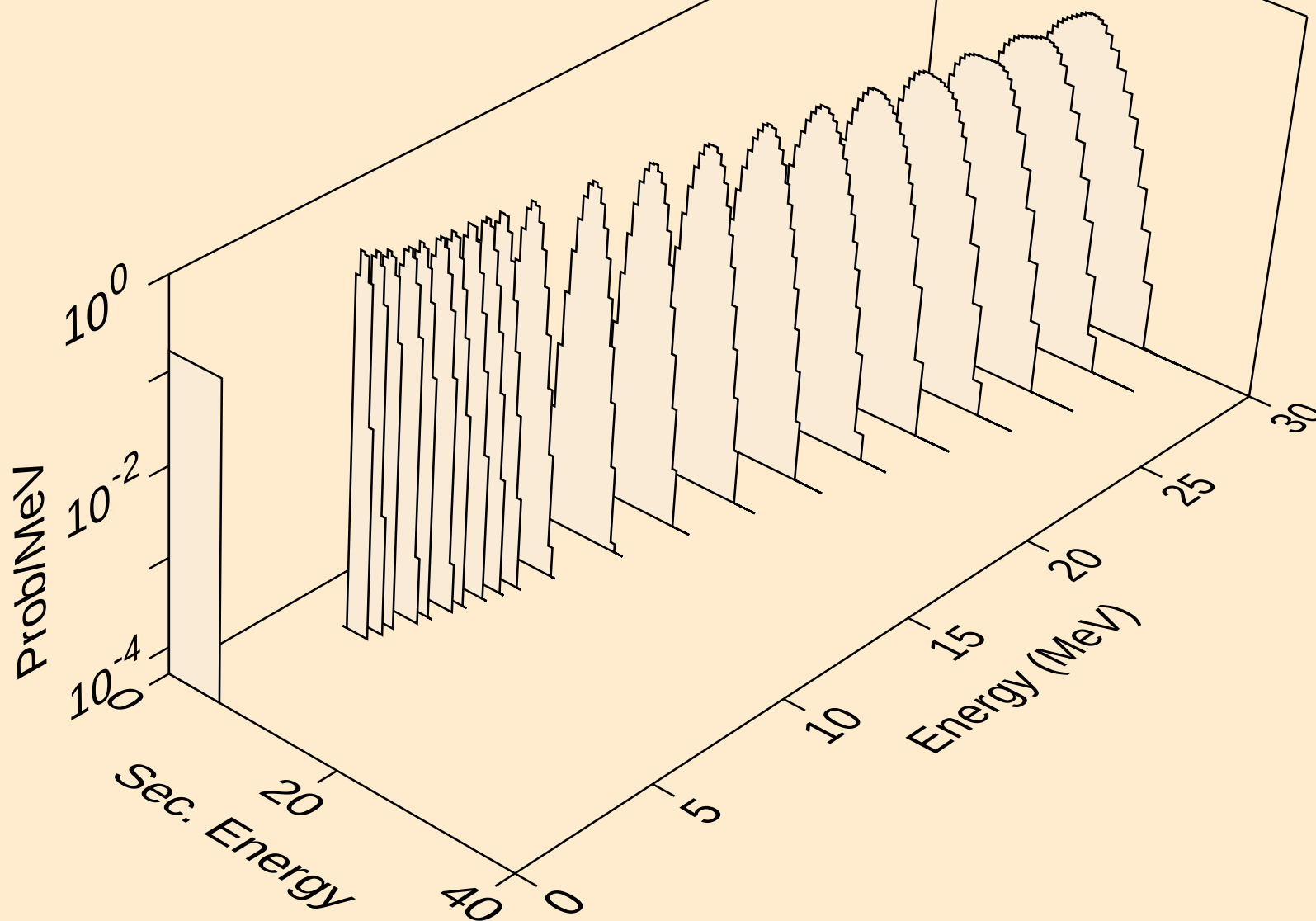
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



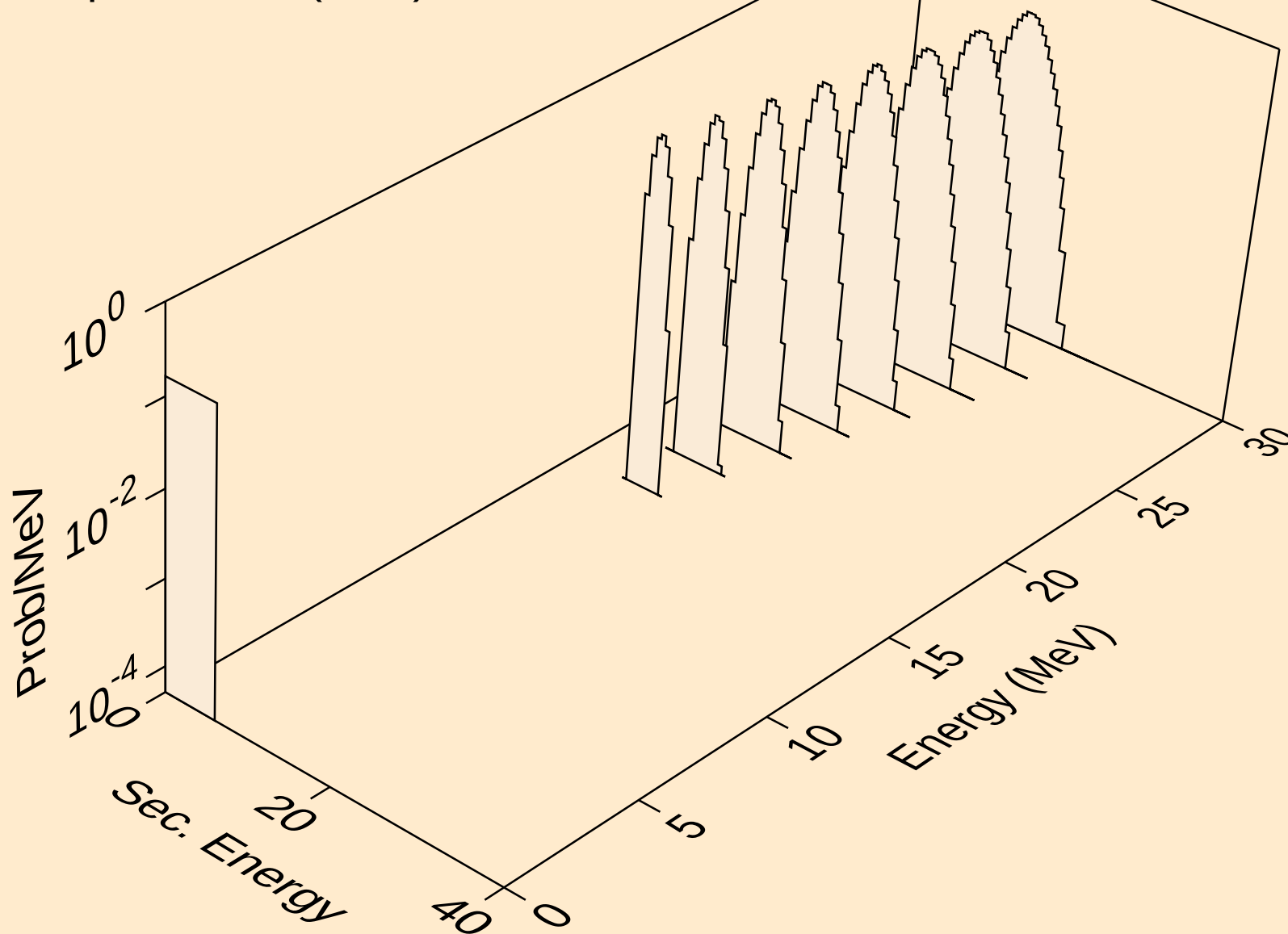
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

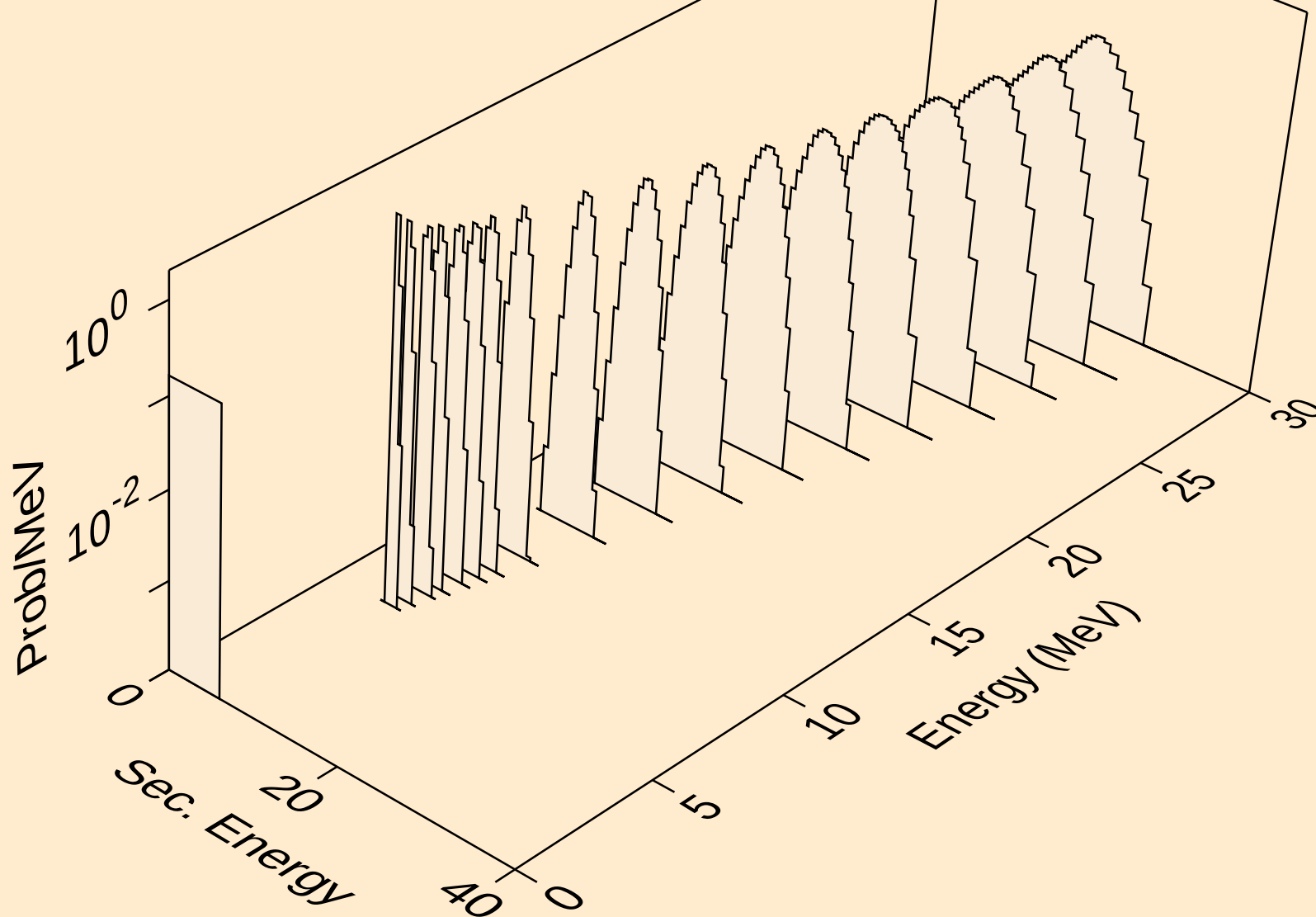


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alphas from (n,2n)2a

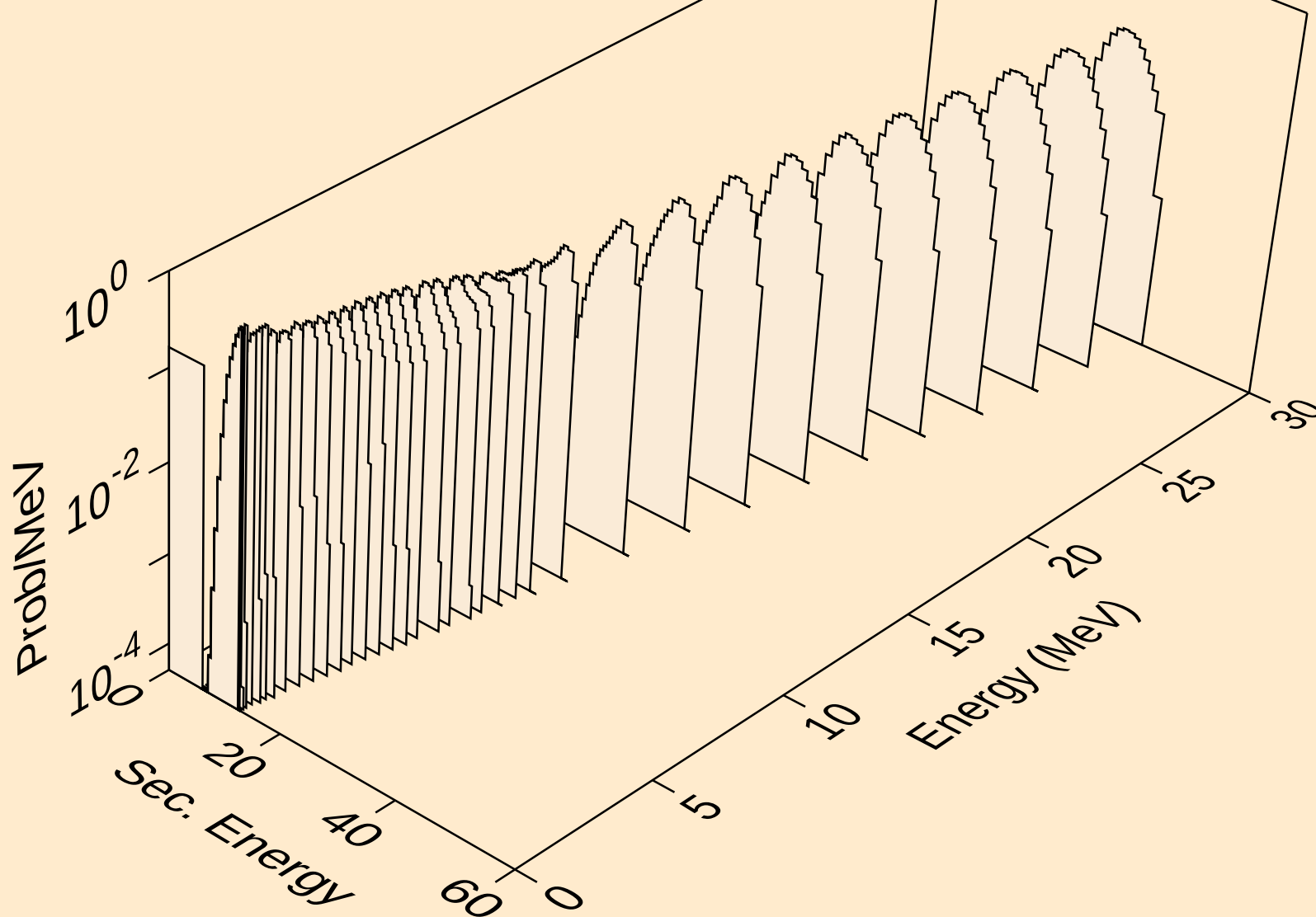




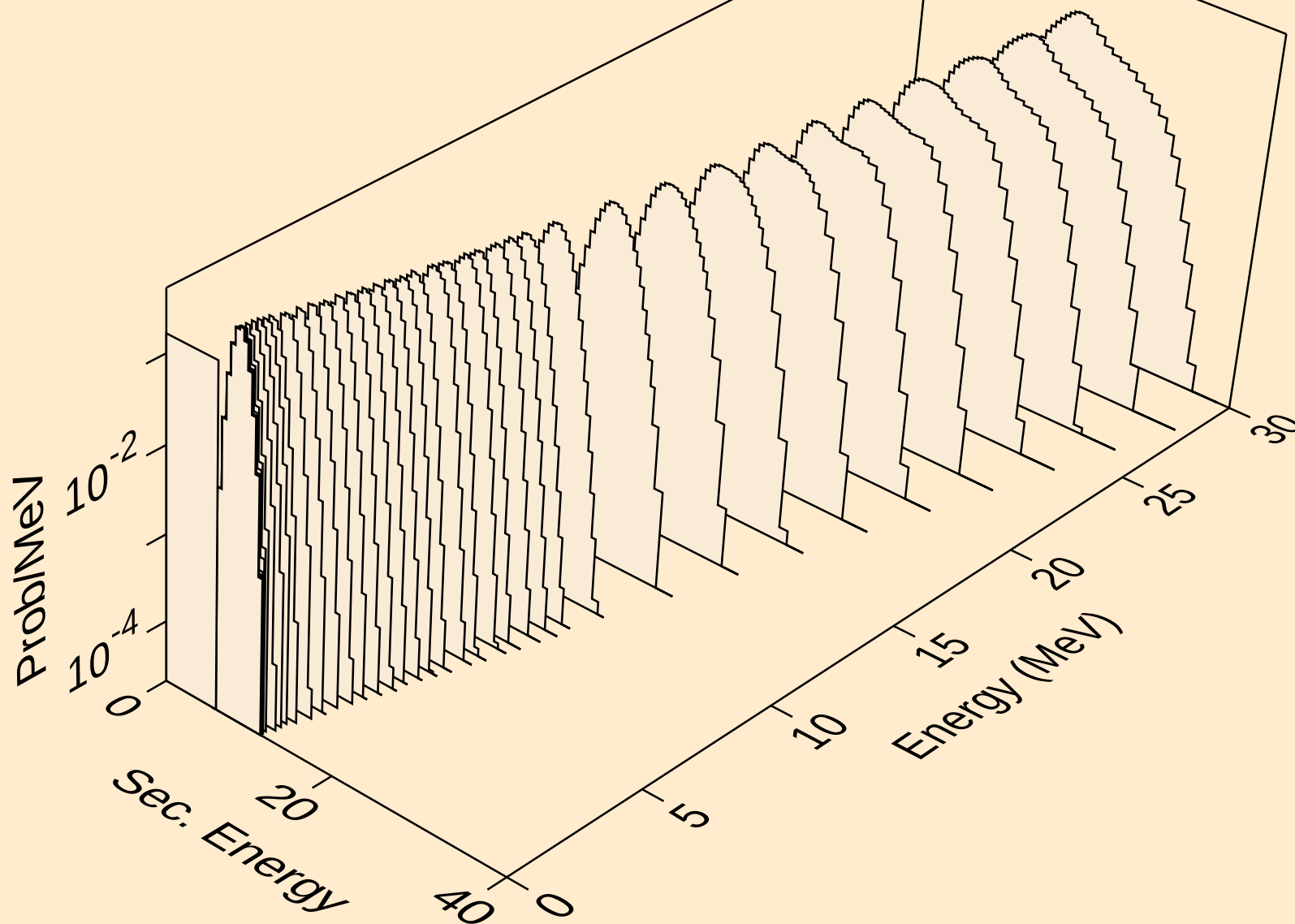
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



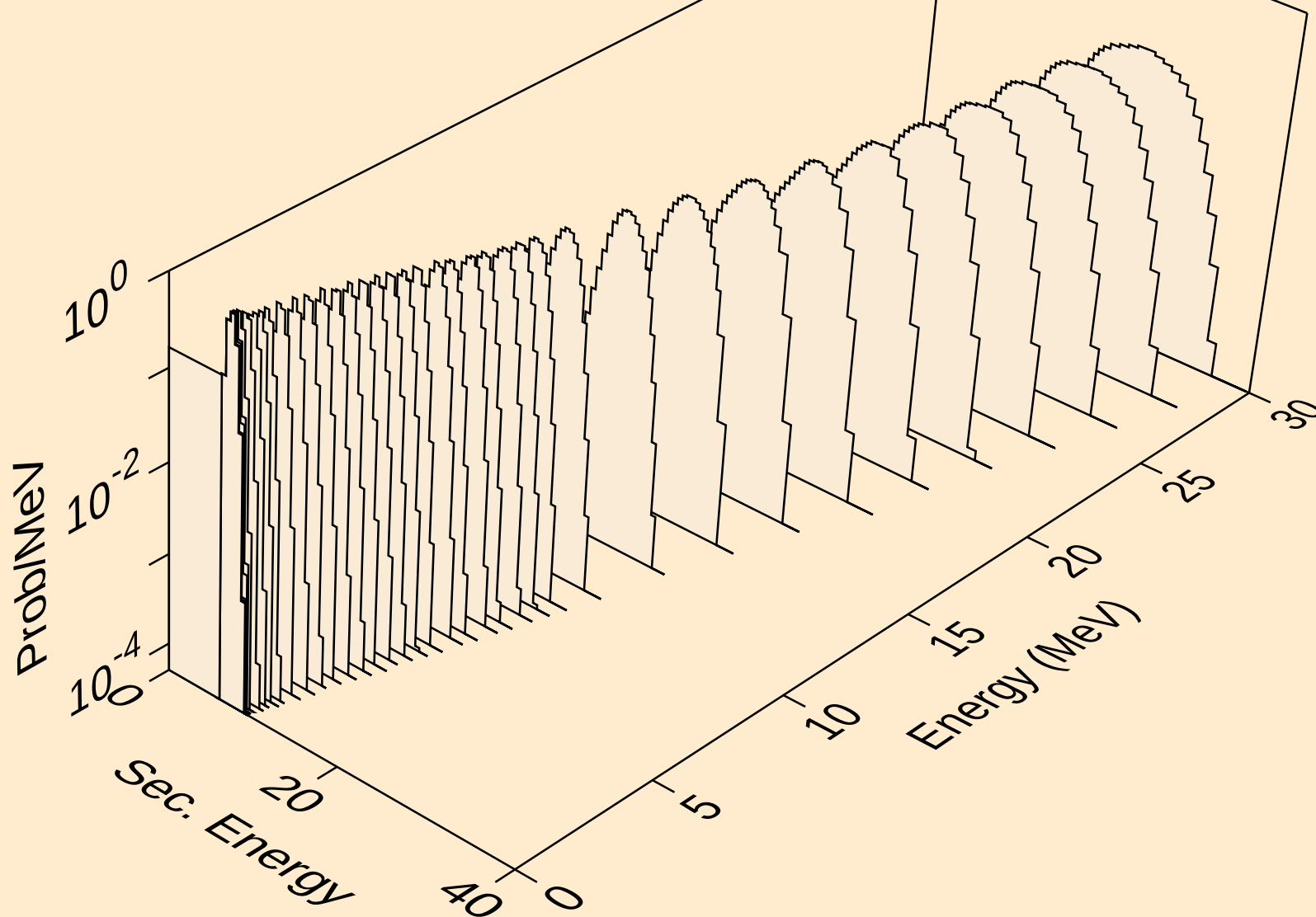
TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



TL189M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

