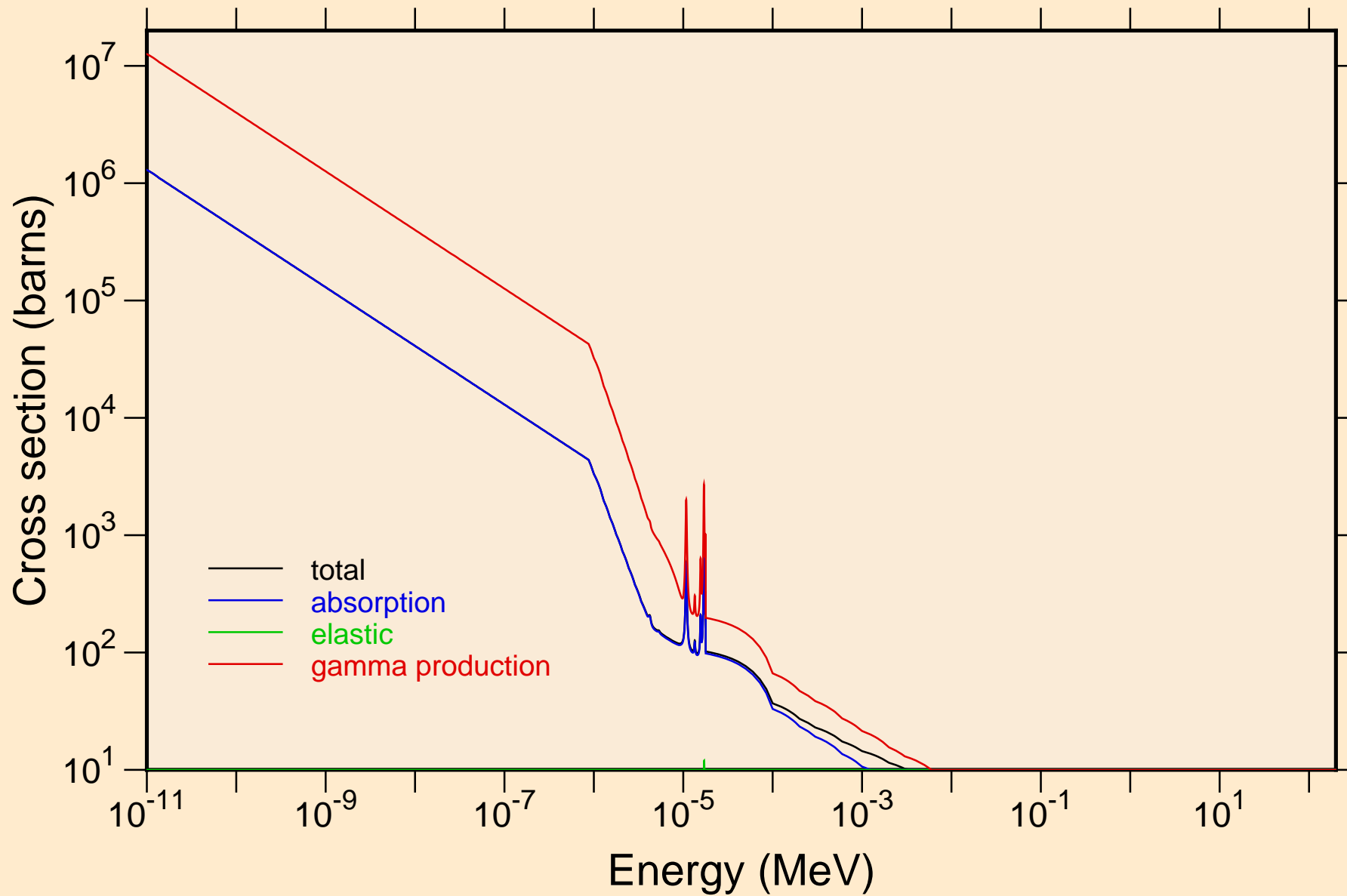


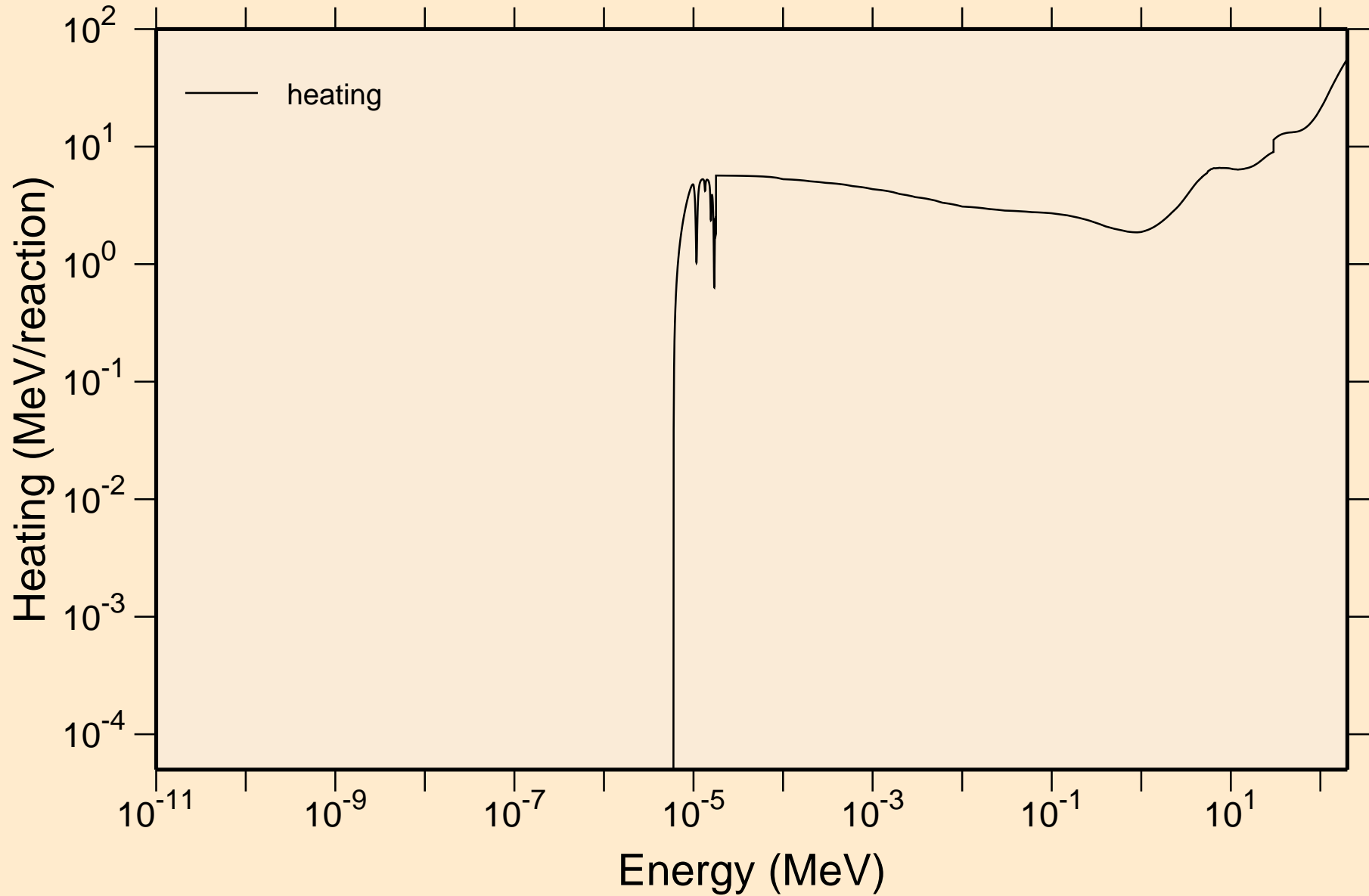
# TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

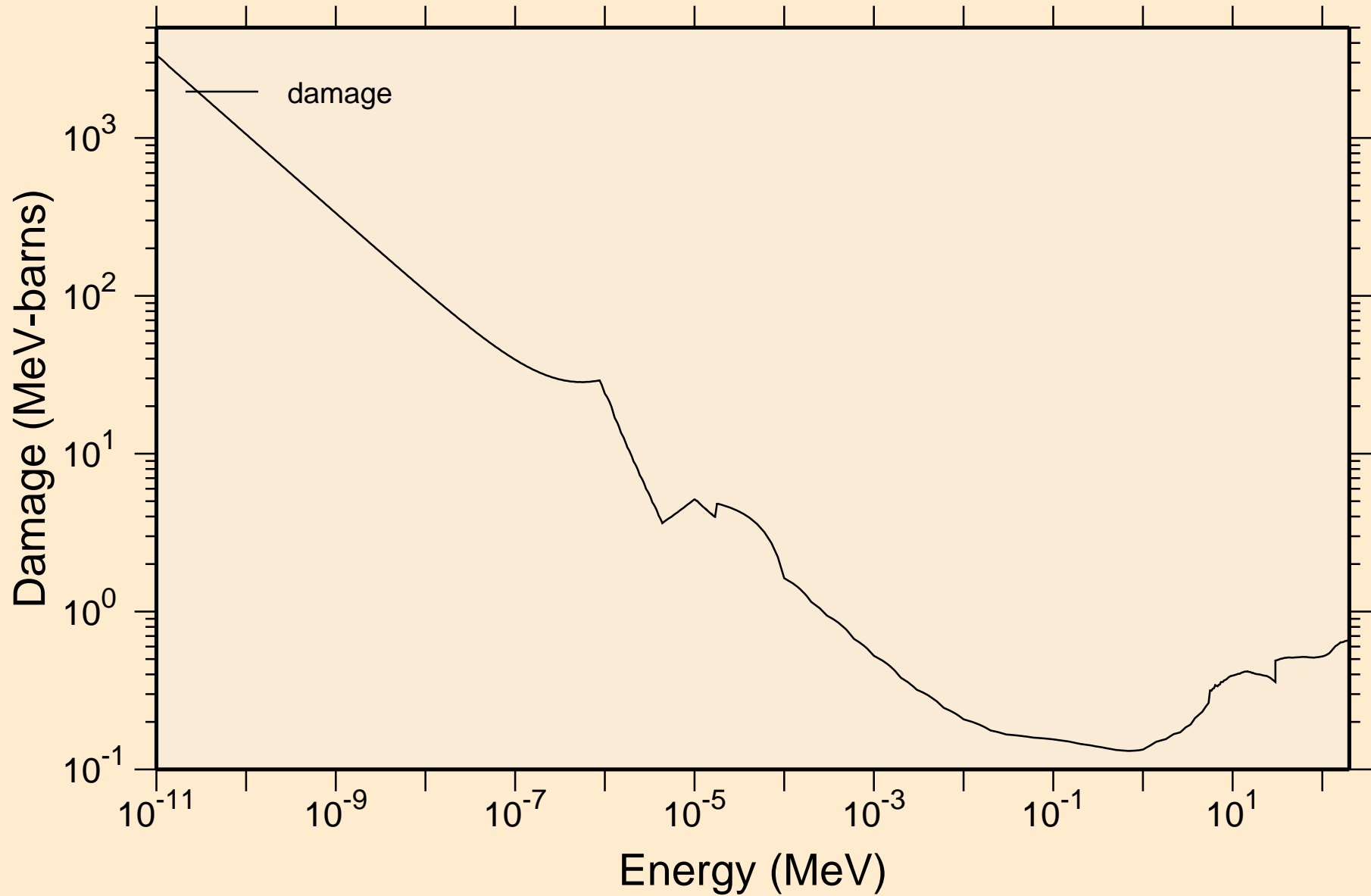


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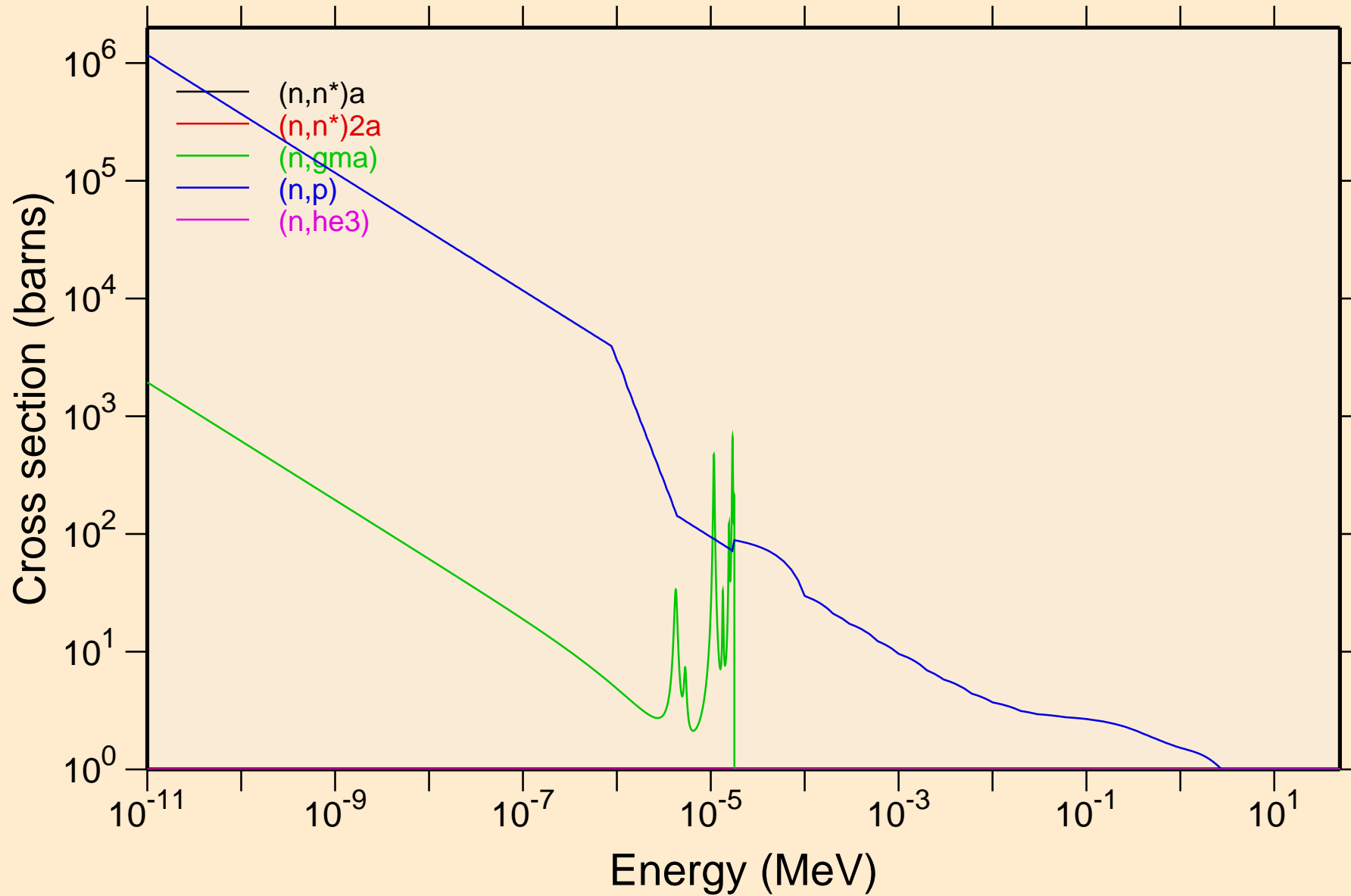
## Heating



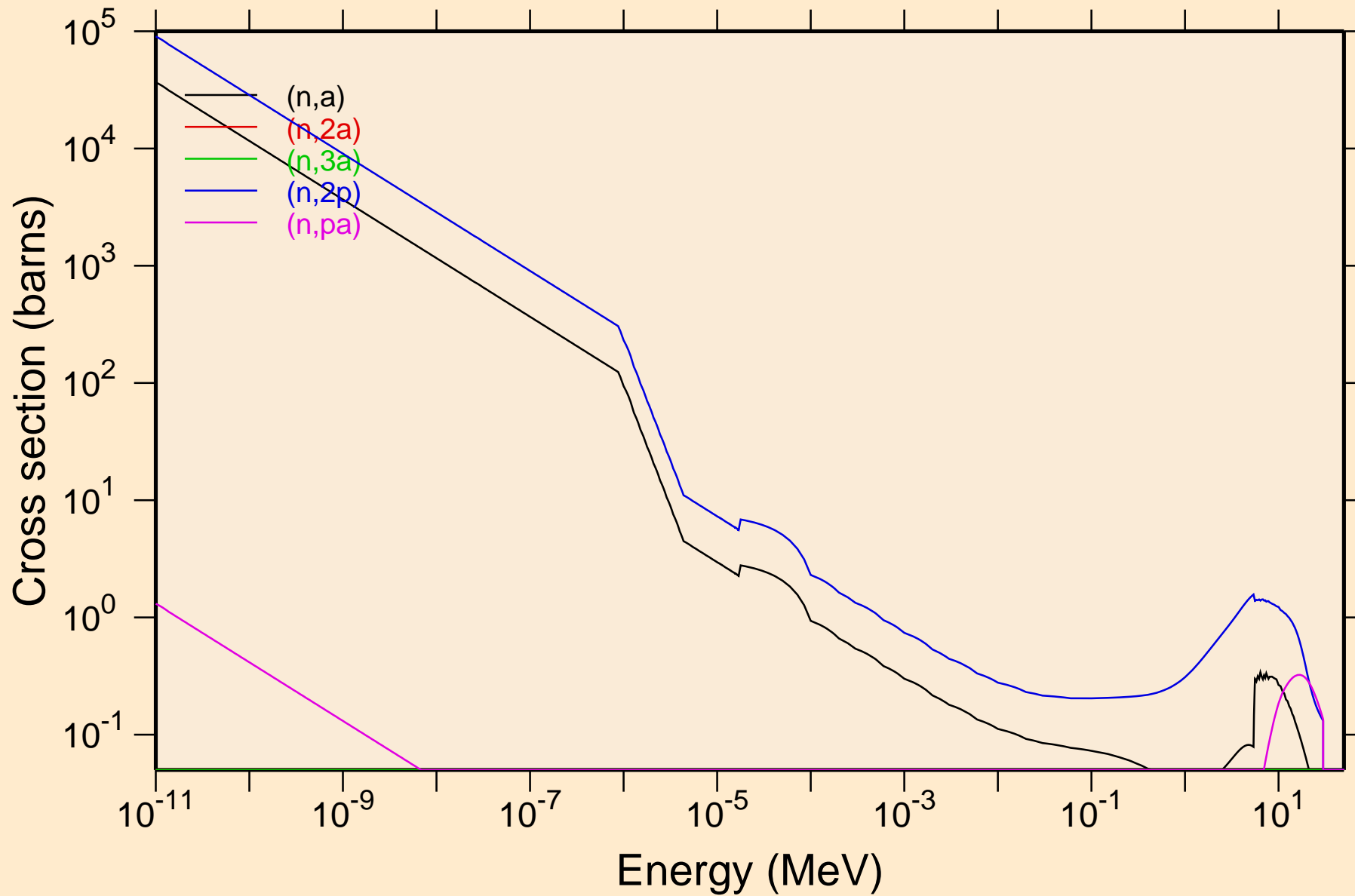
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Damage



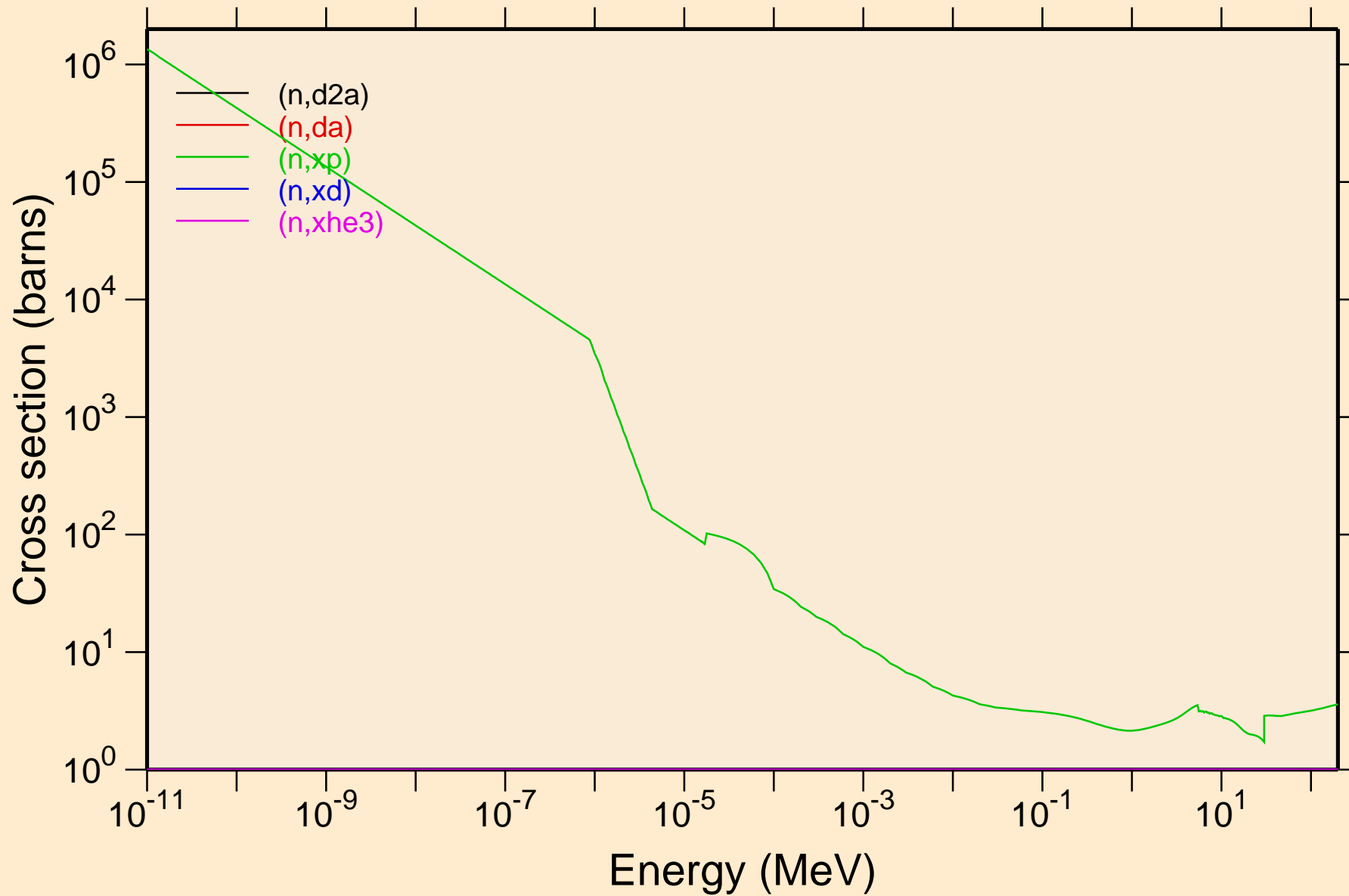
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



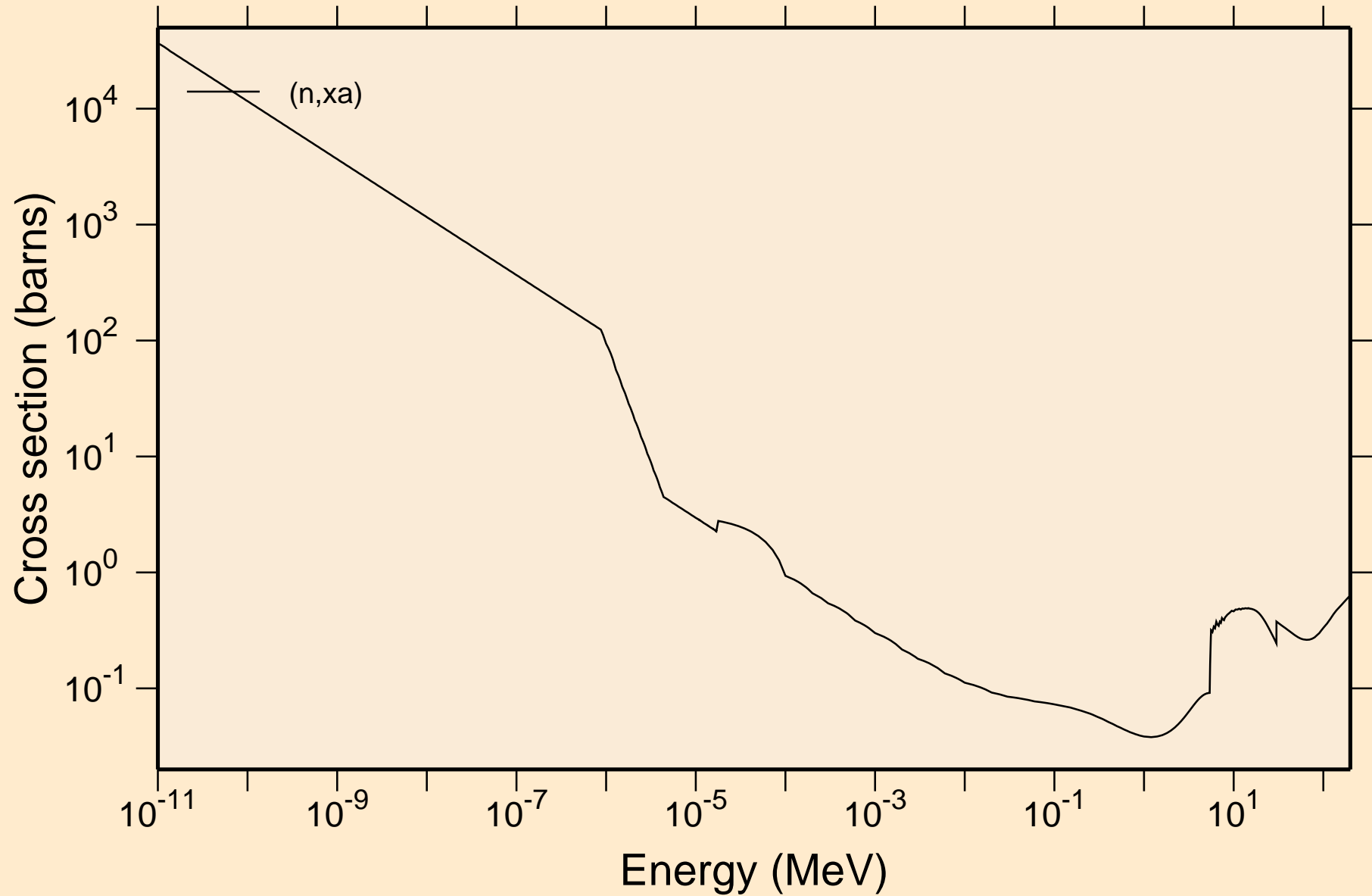
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Non-threshold reactions



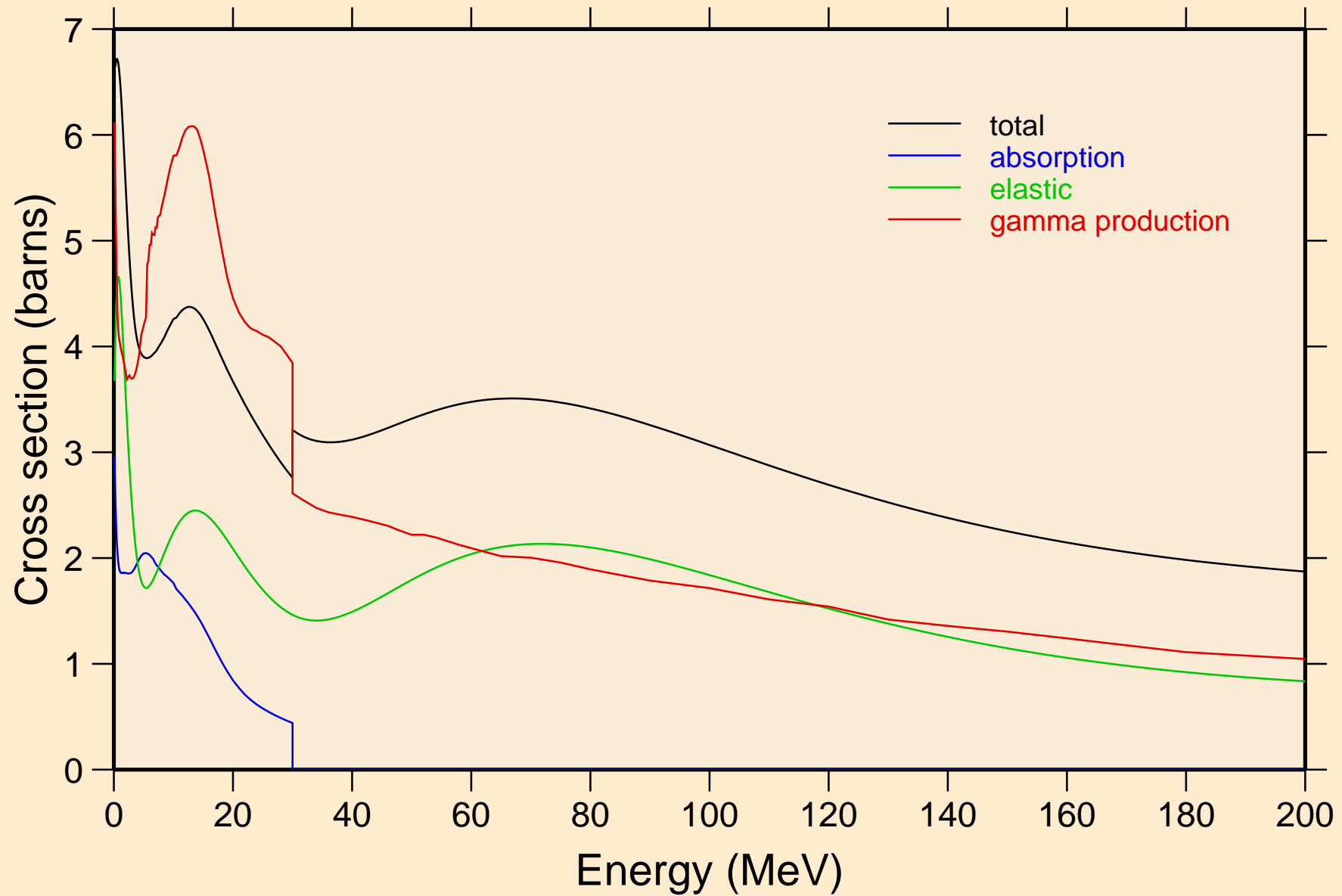
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Non-threshold reactions



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



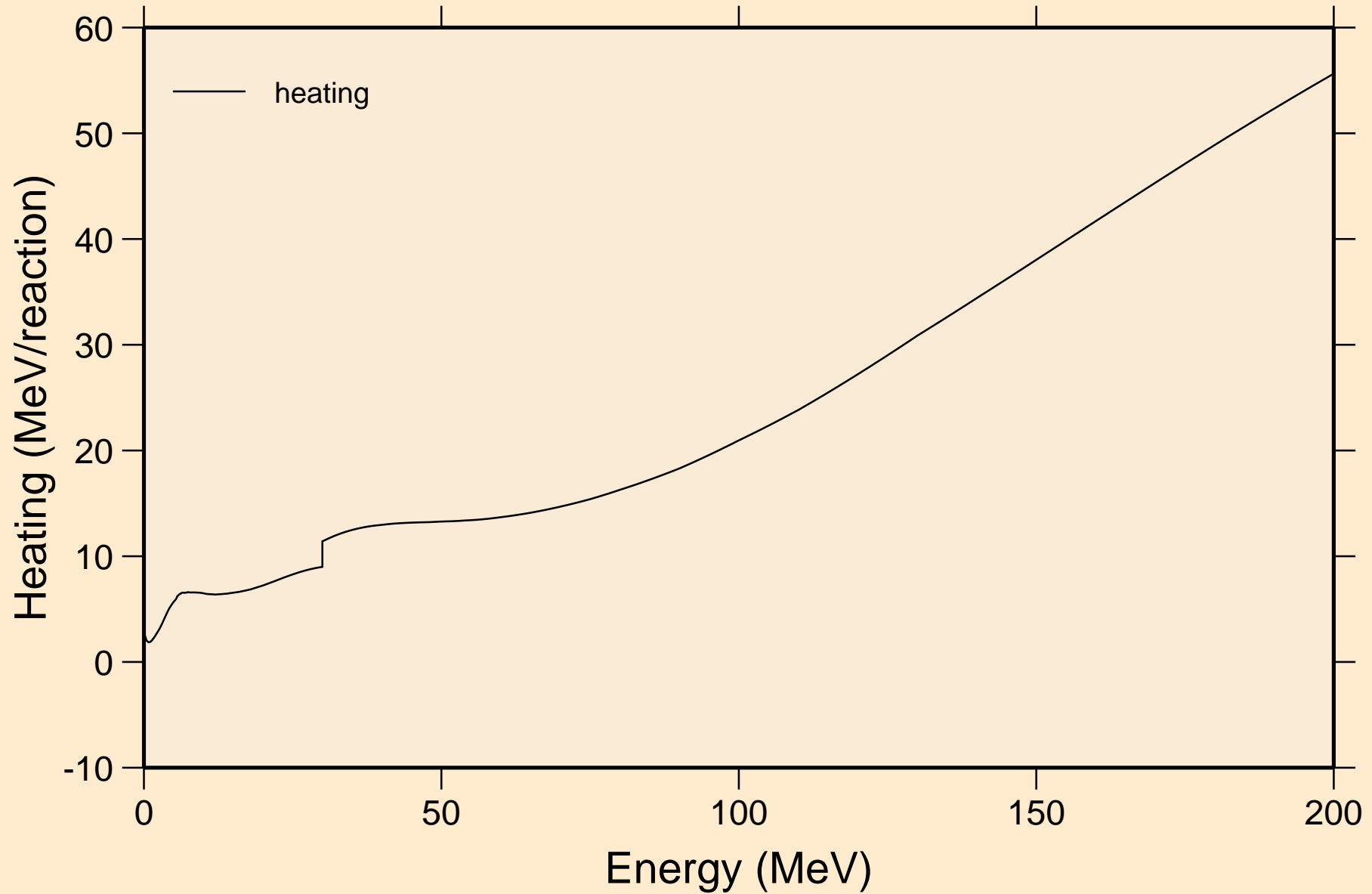
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Principal cross sections



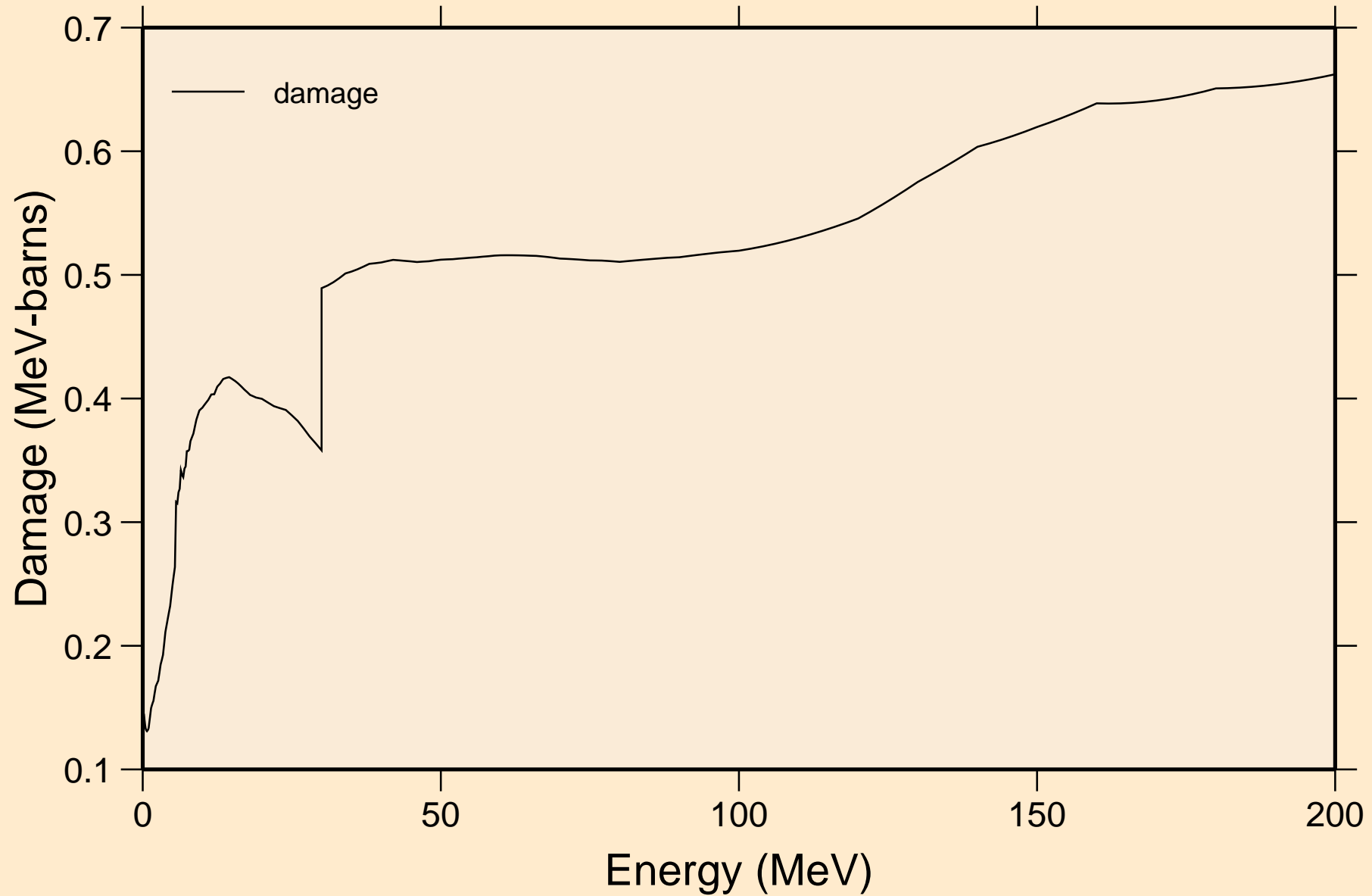


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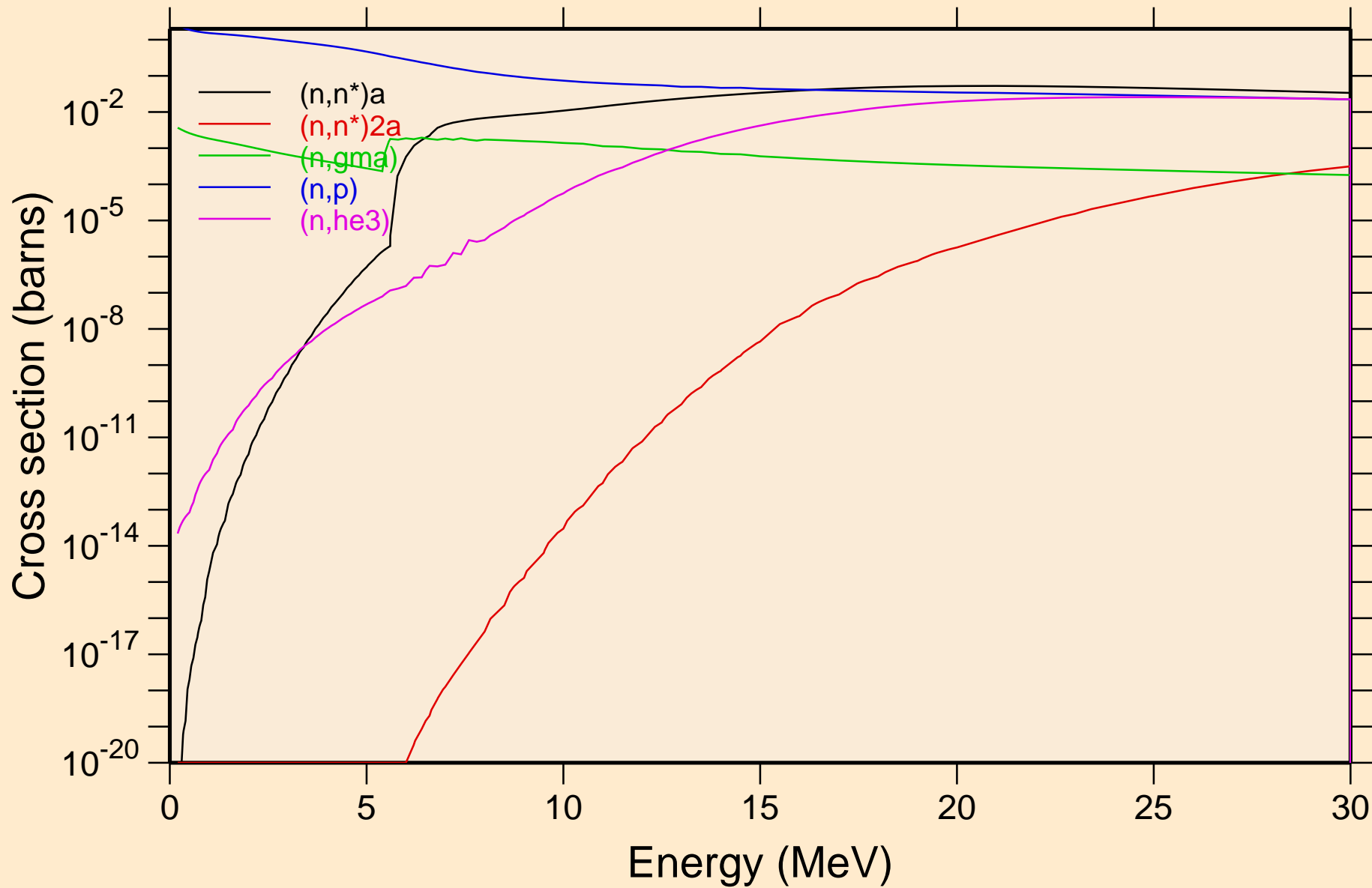
## Heating



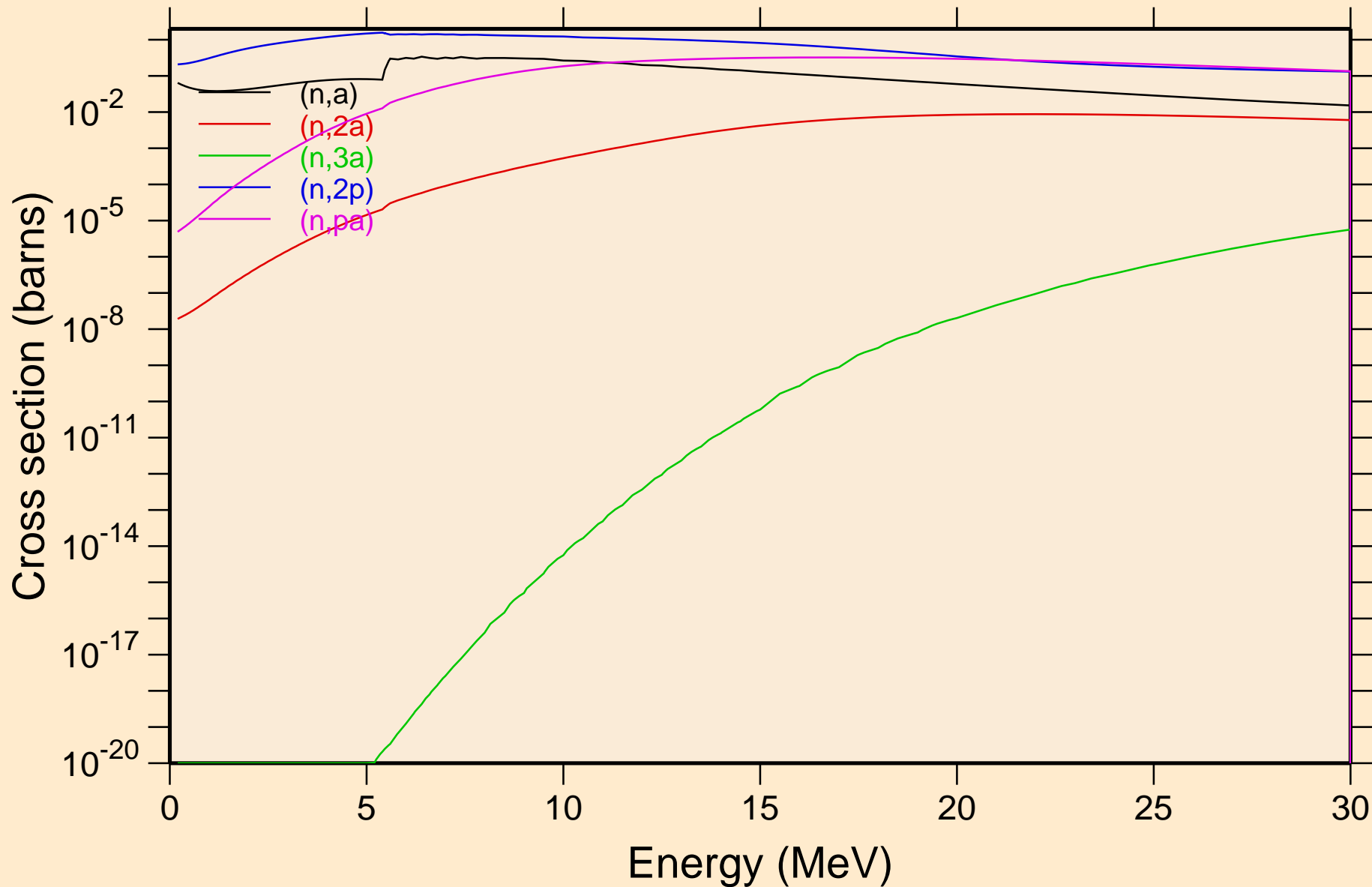
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



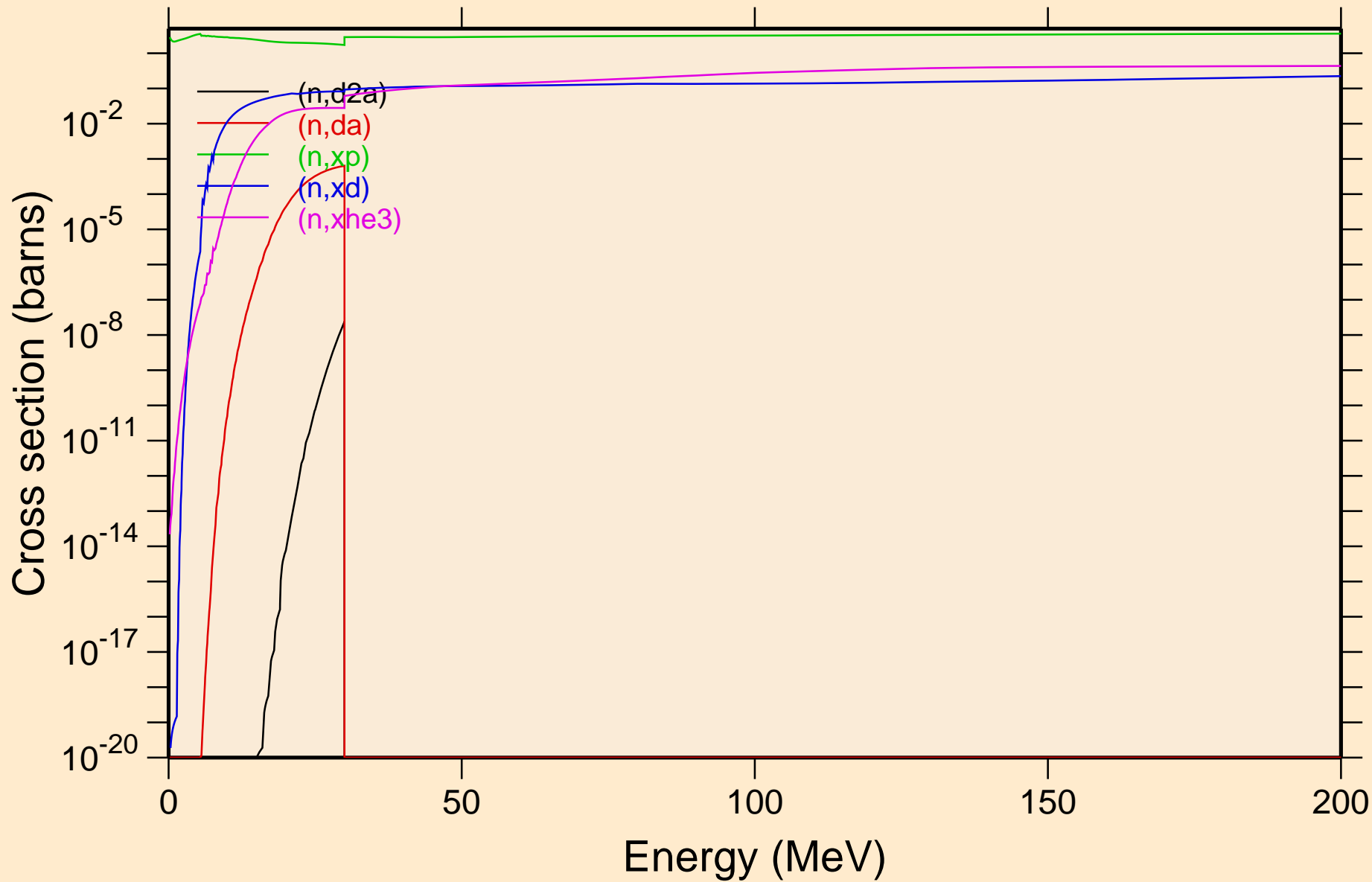
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Non-threshold reactions



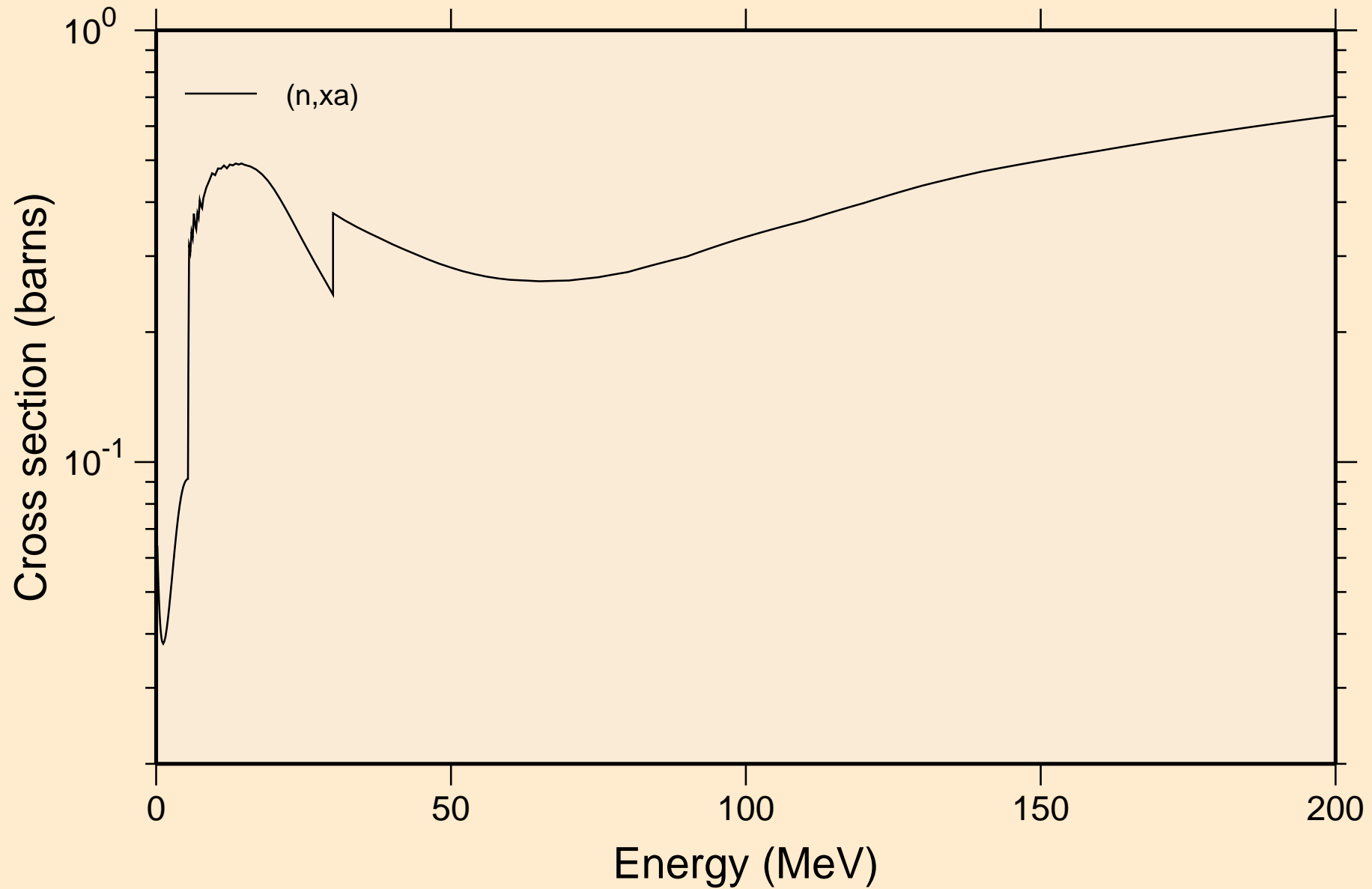
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Non-threshold reactions



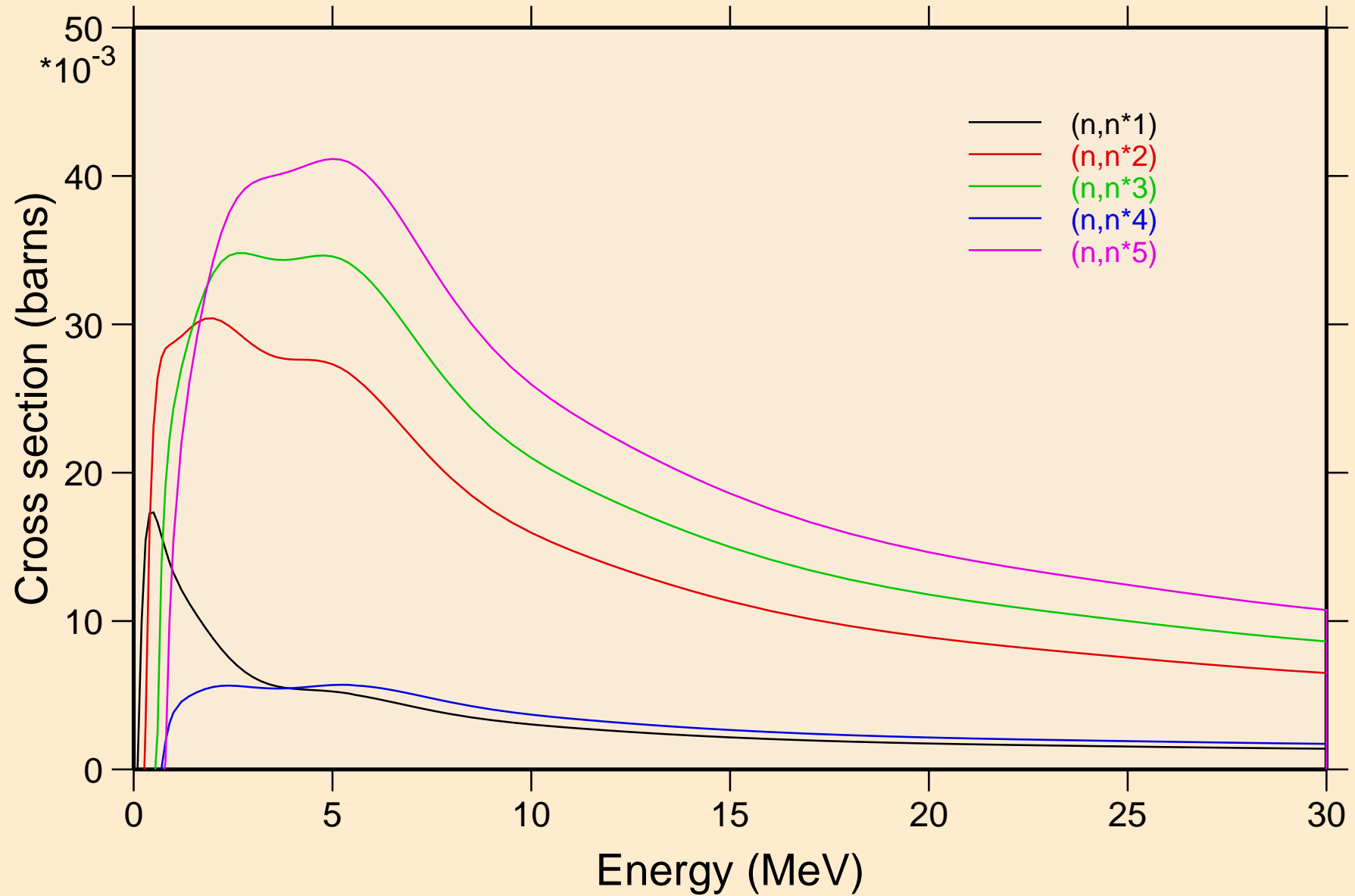
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Non-threshold reactions



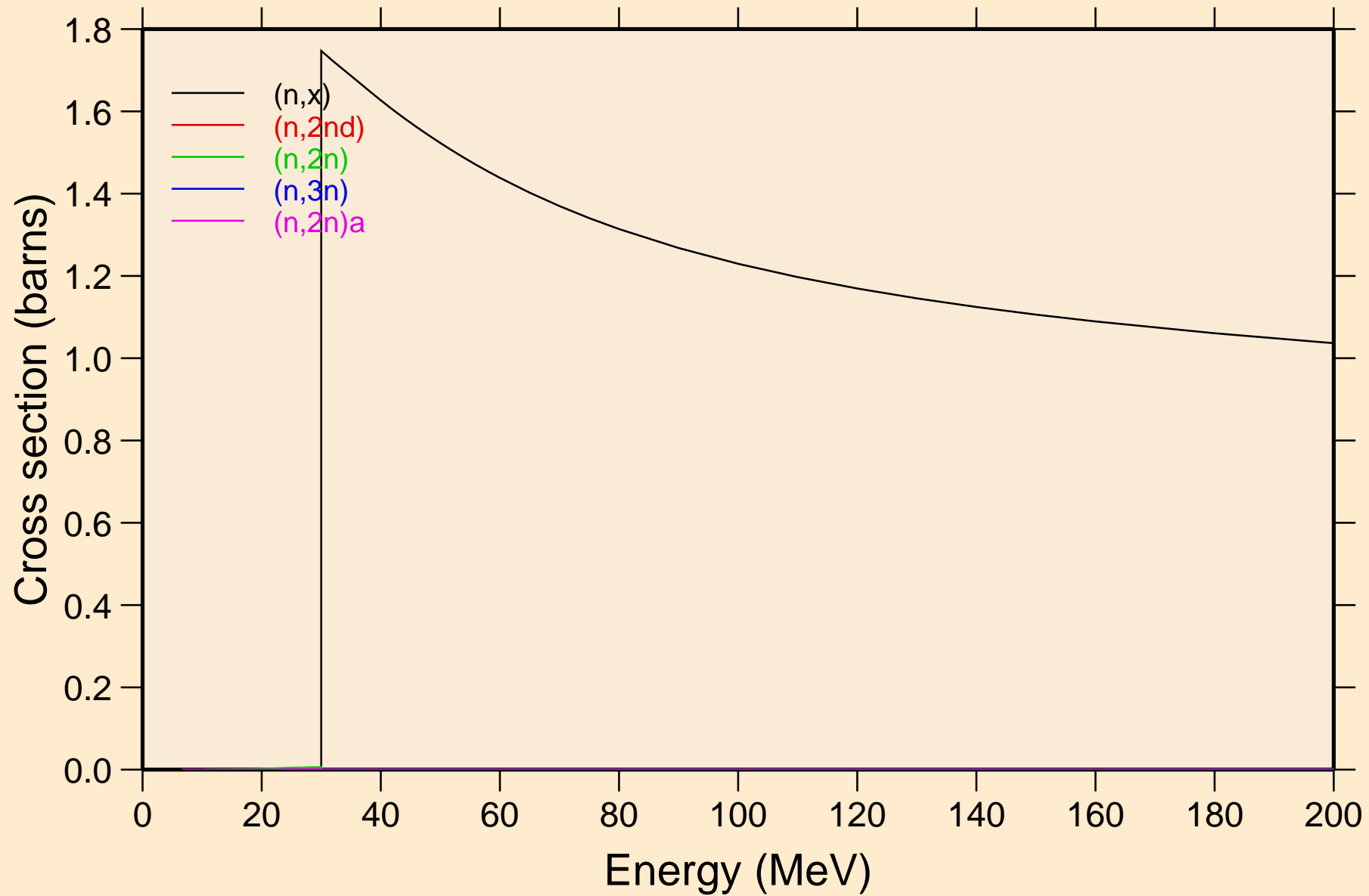
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Non-threshold reactions



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

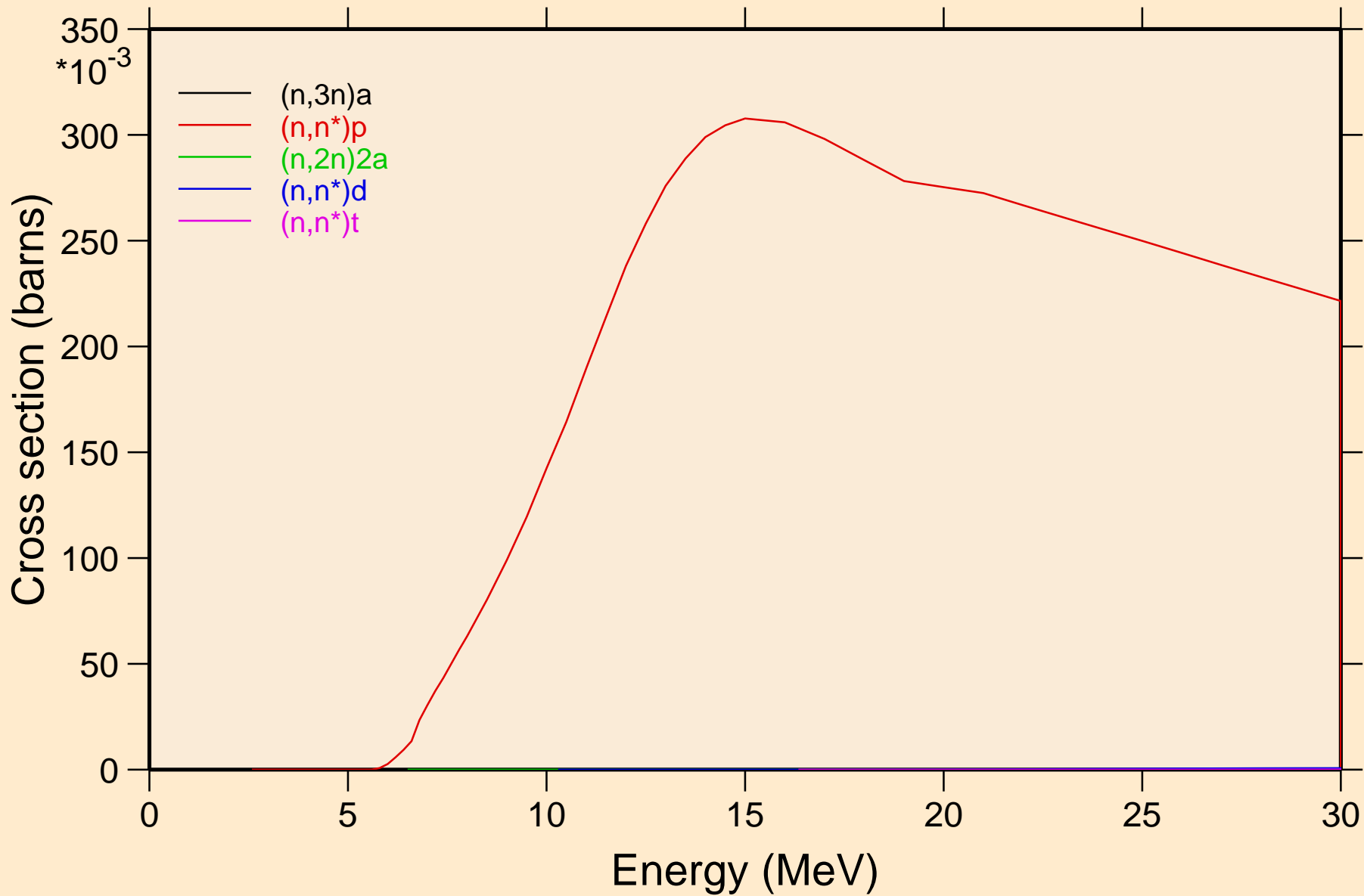


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

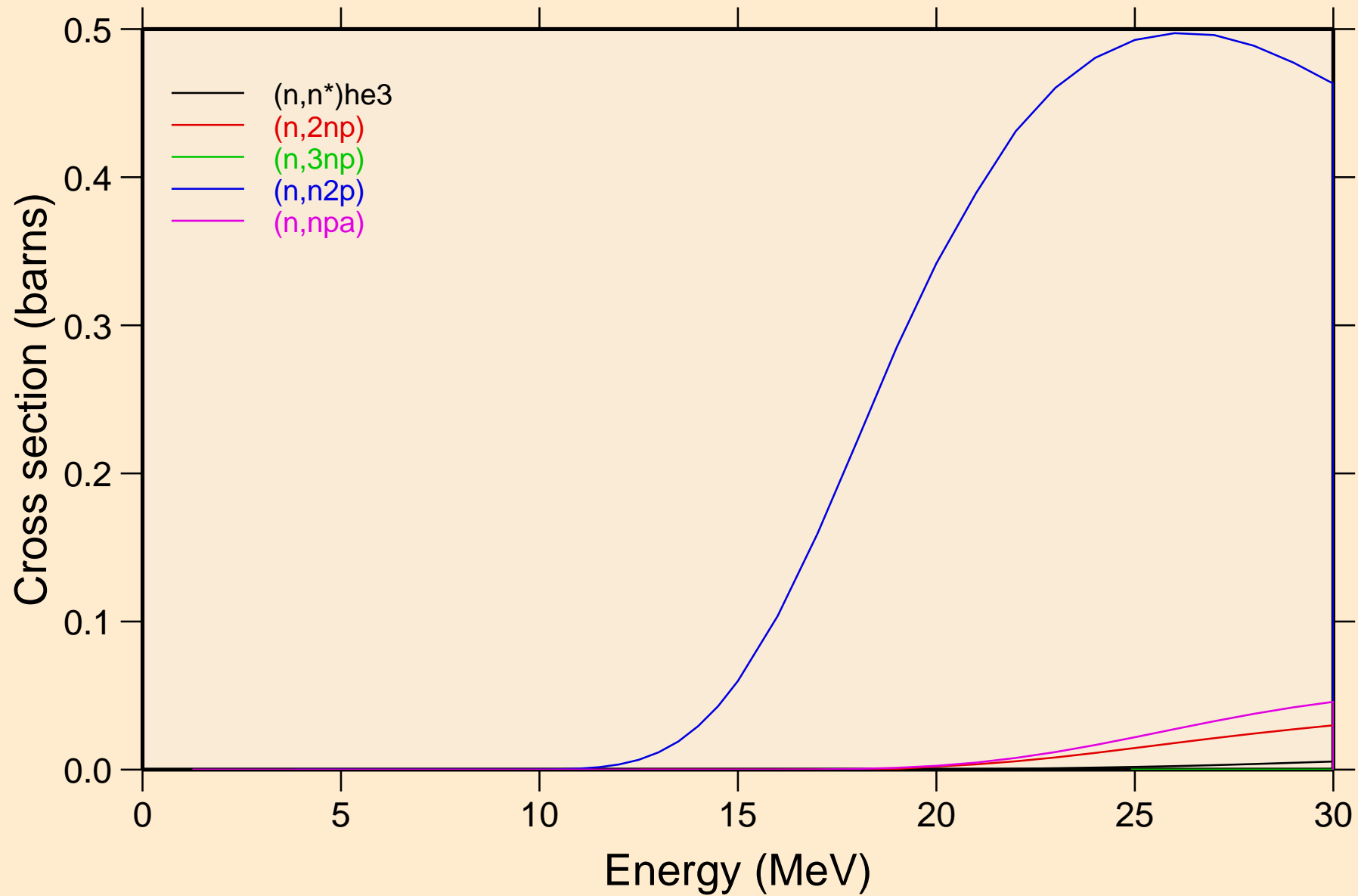




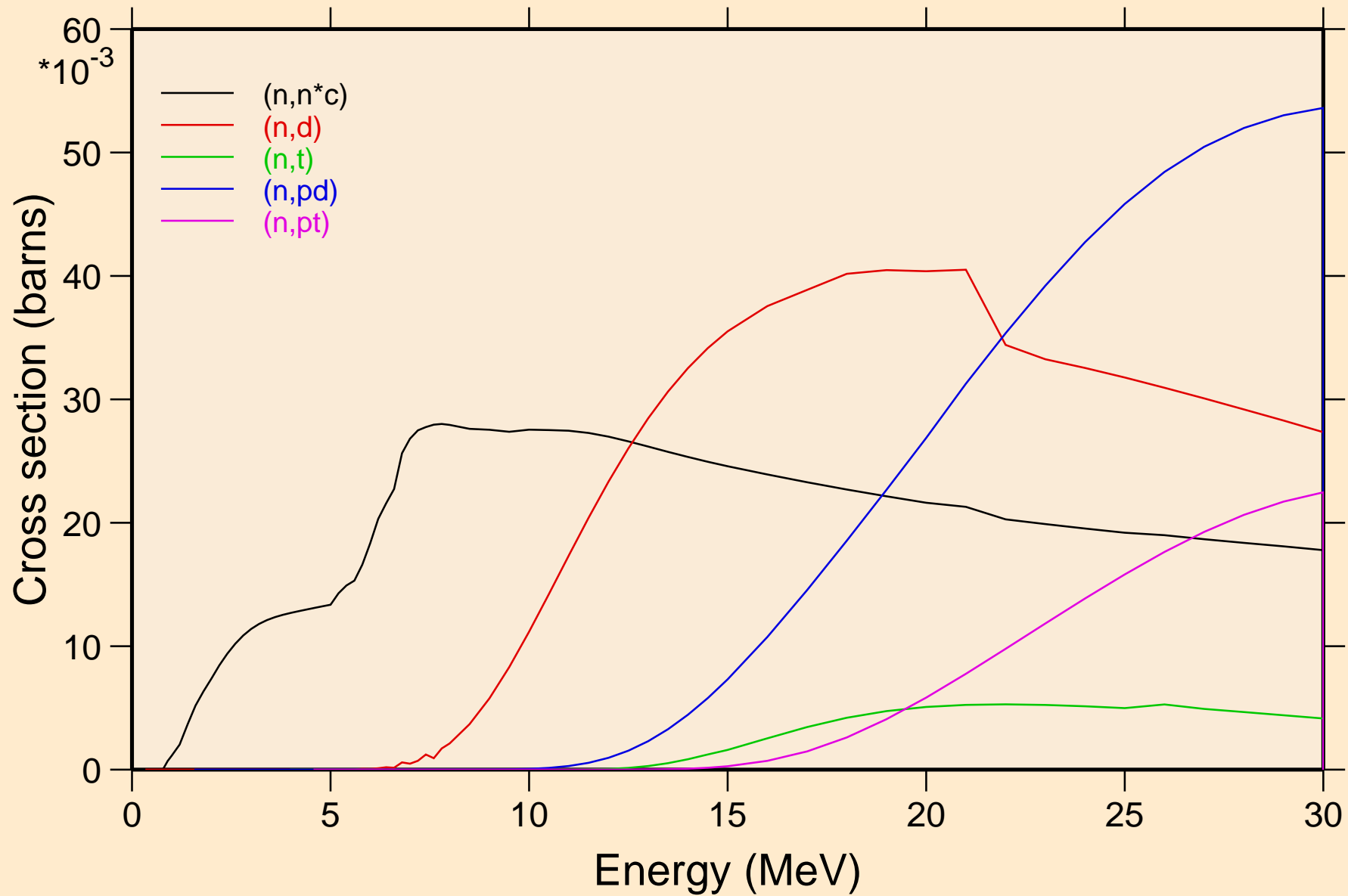
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Threshold reactions



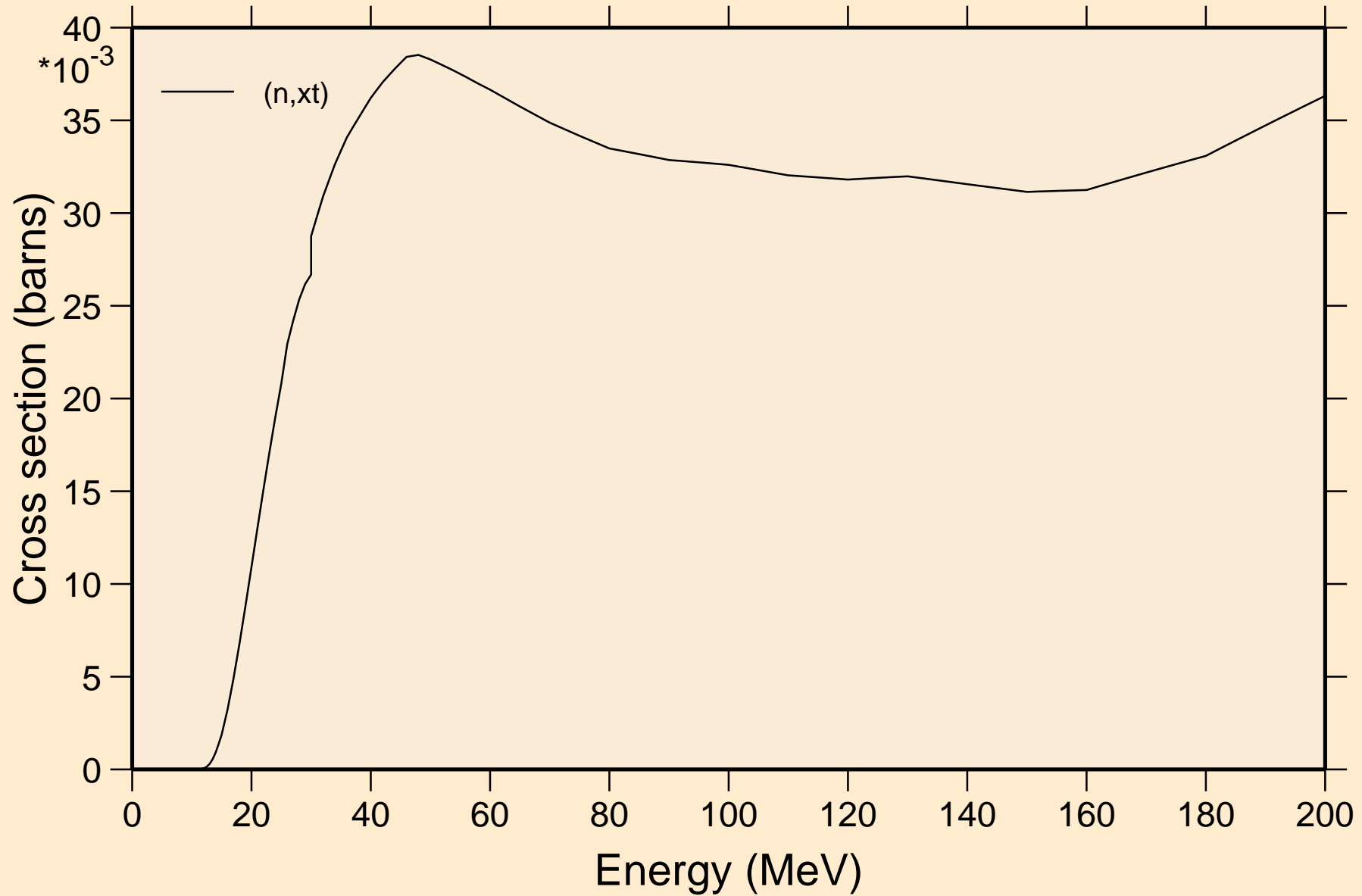
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Threshold reactions



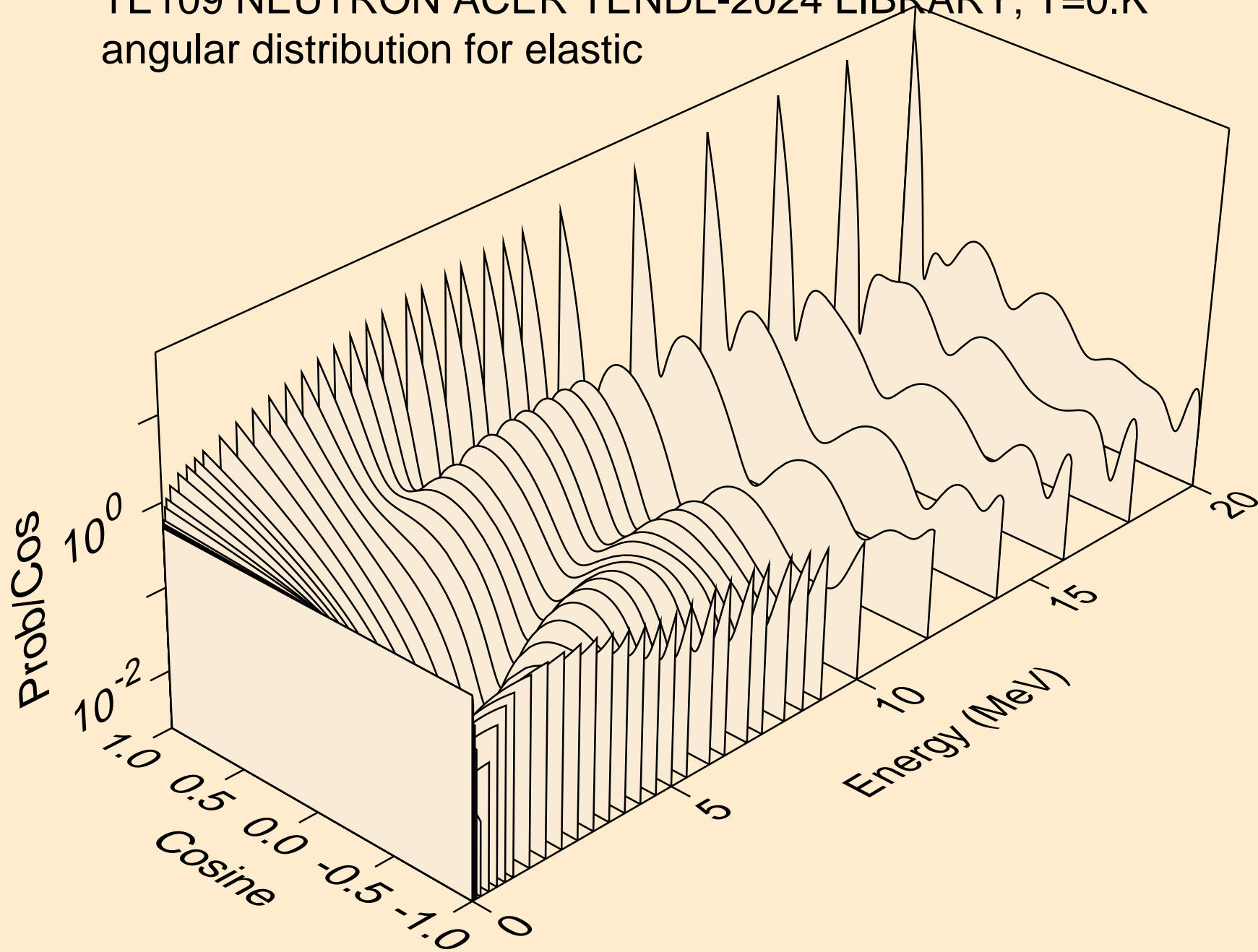
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Threshold reactions



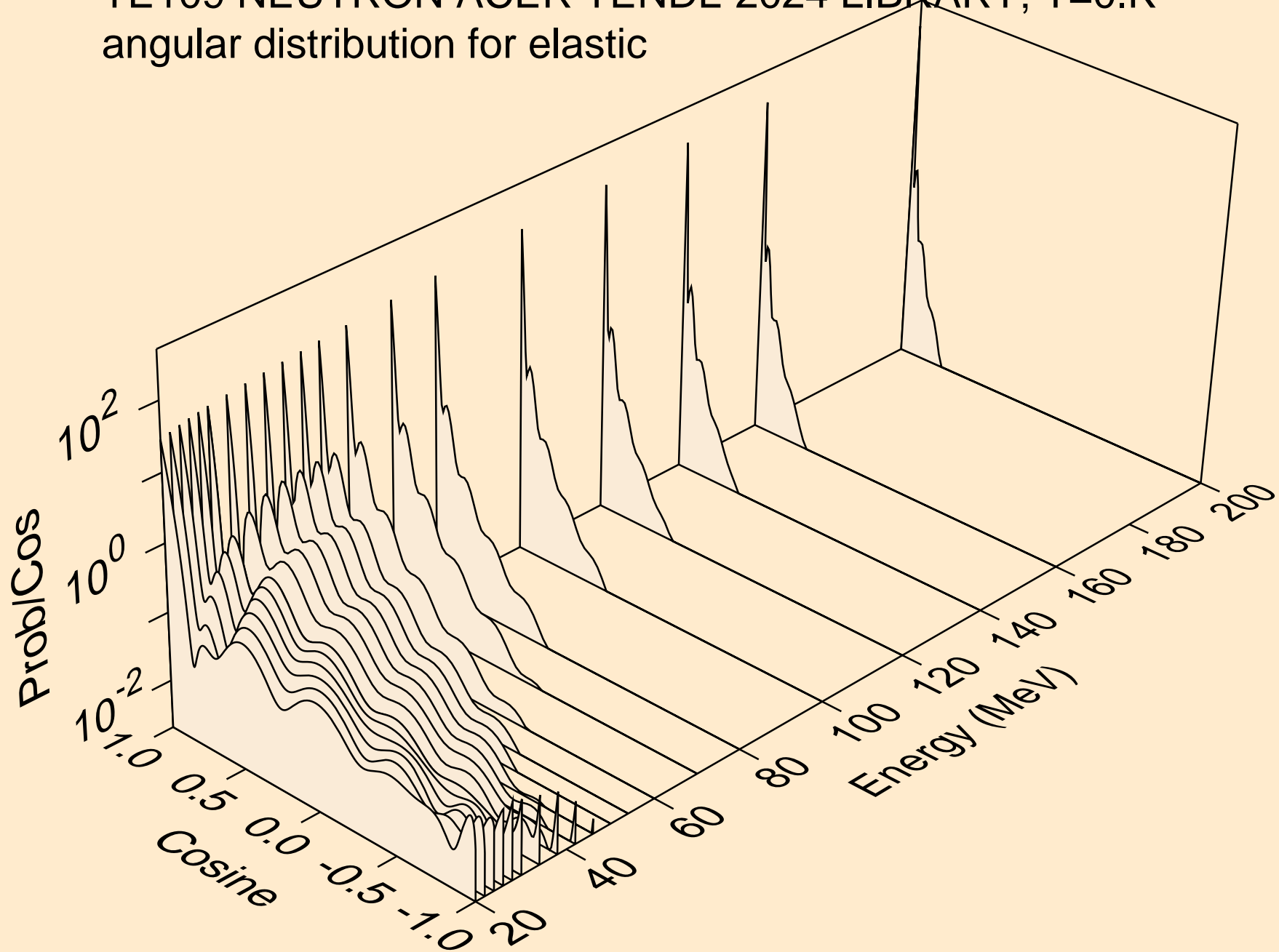
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



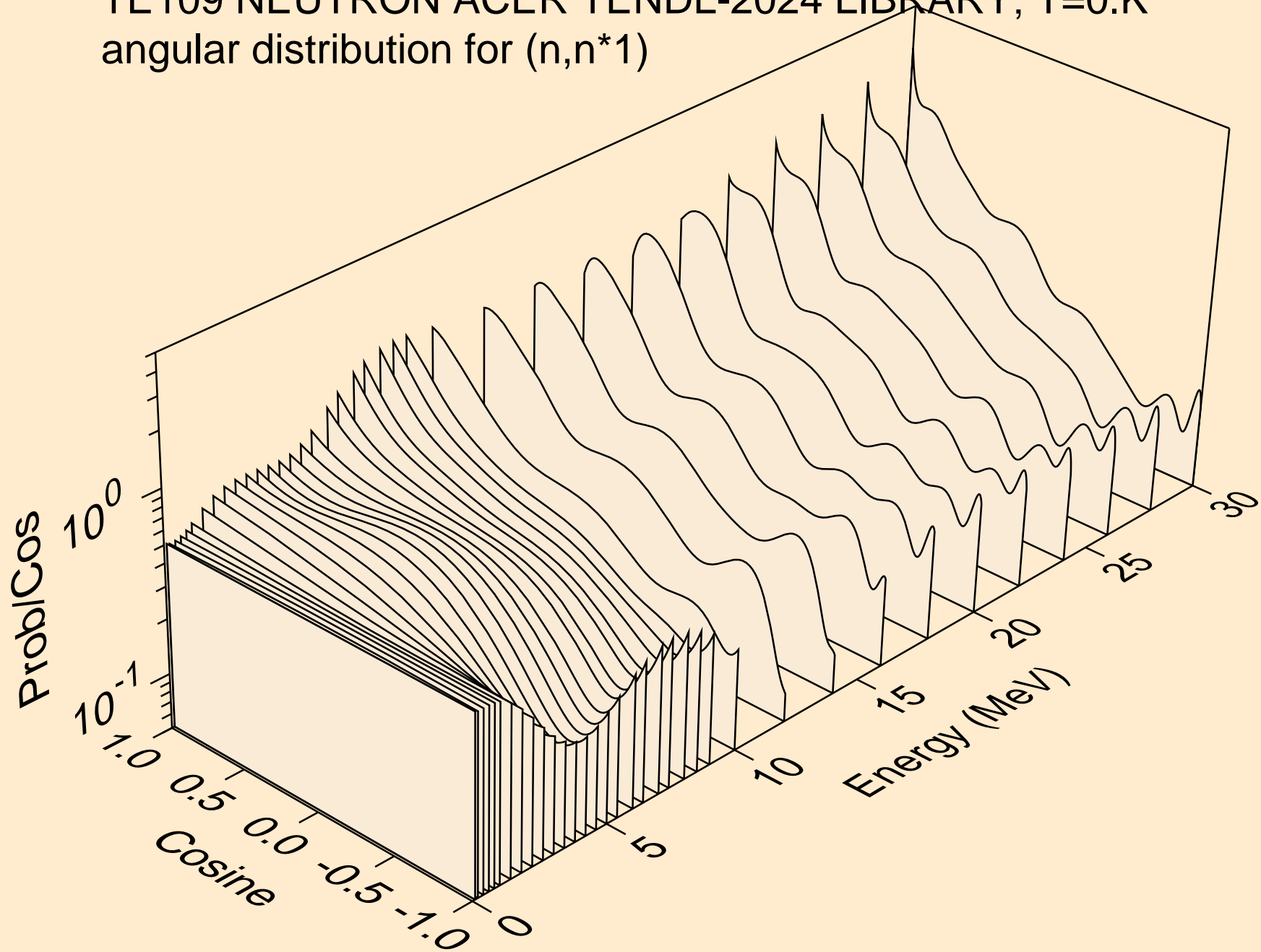
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angular distribution for elastic



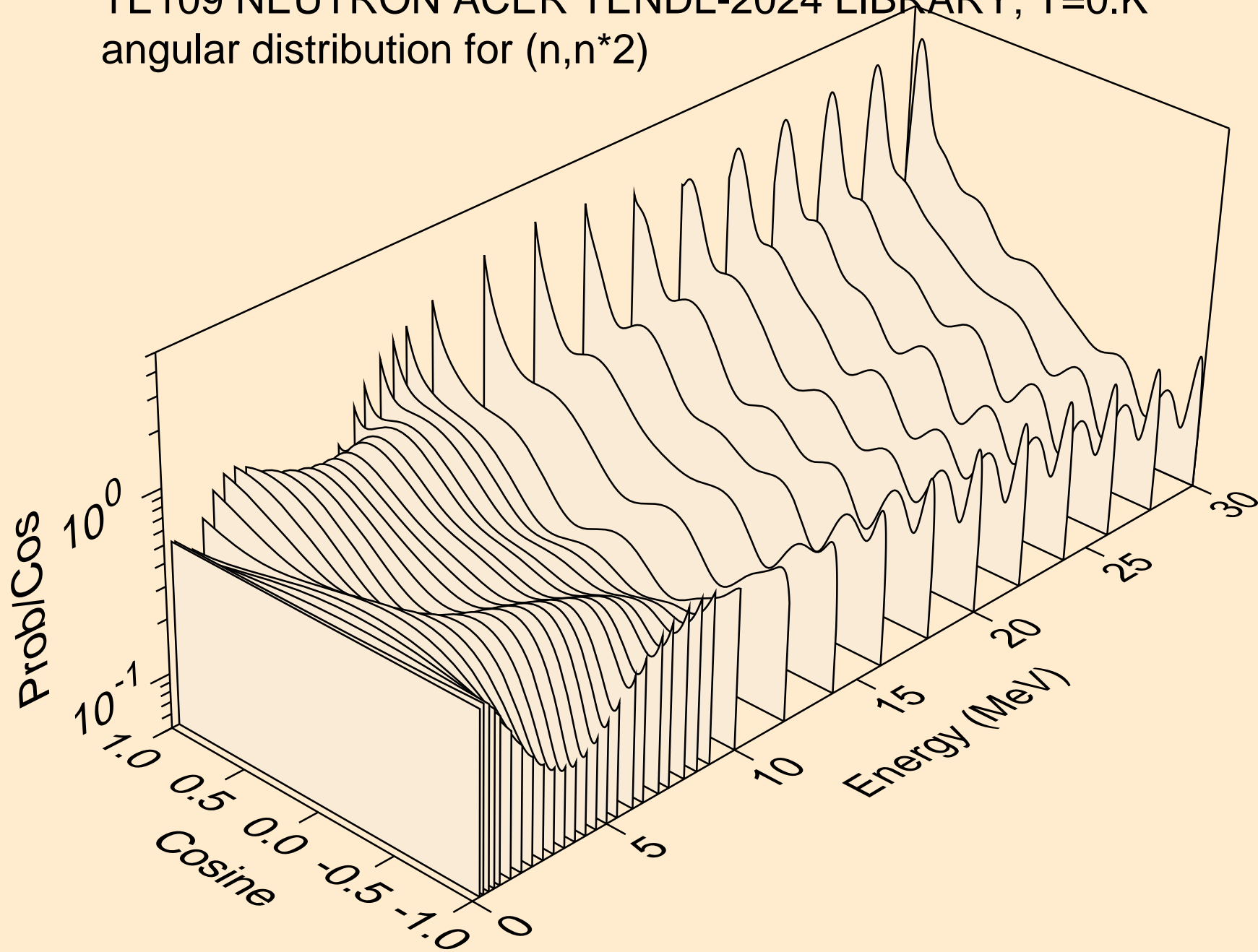
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

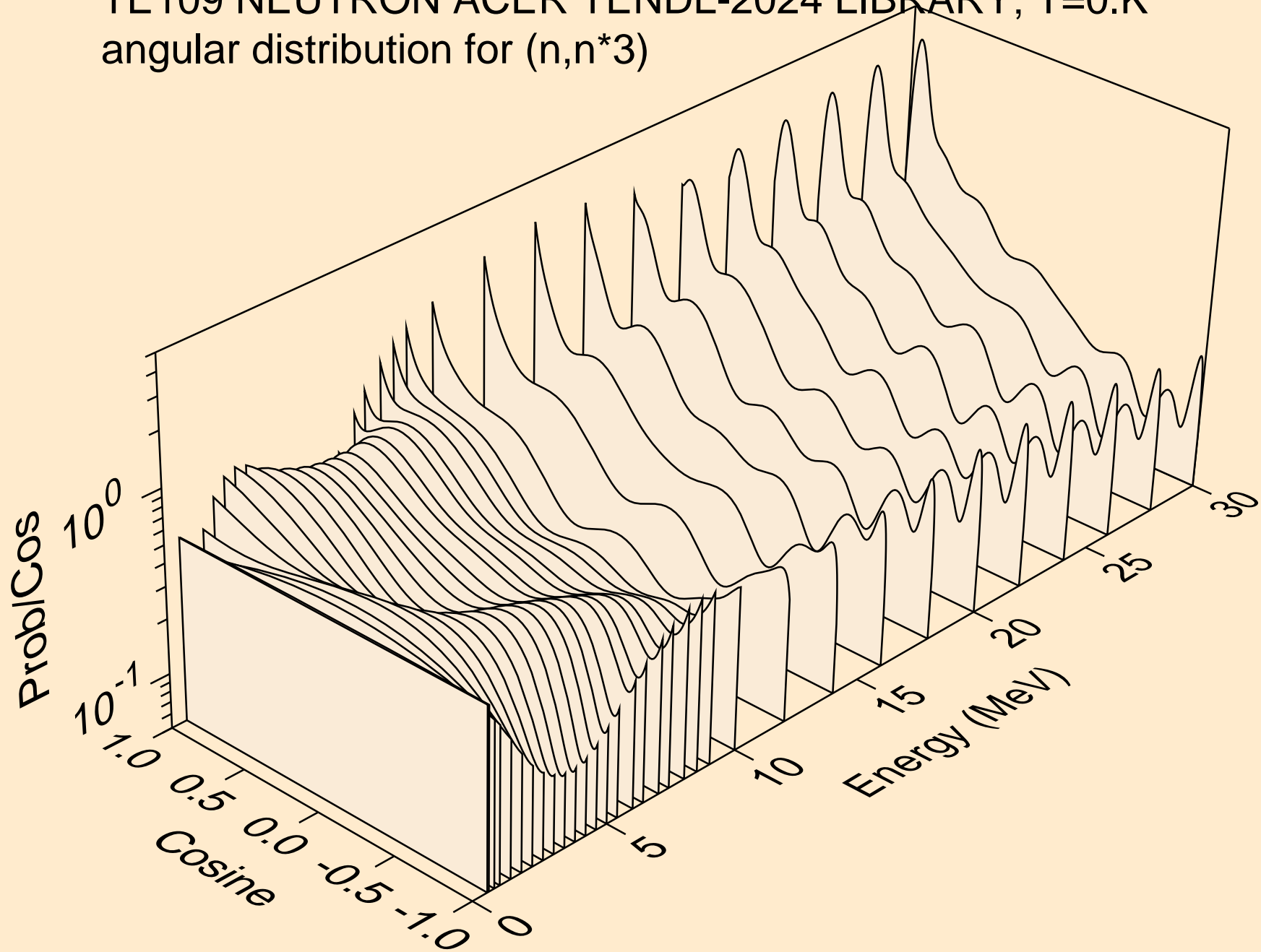


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angular distribution for (n,n\*2)

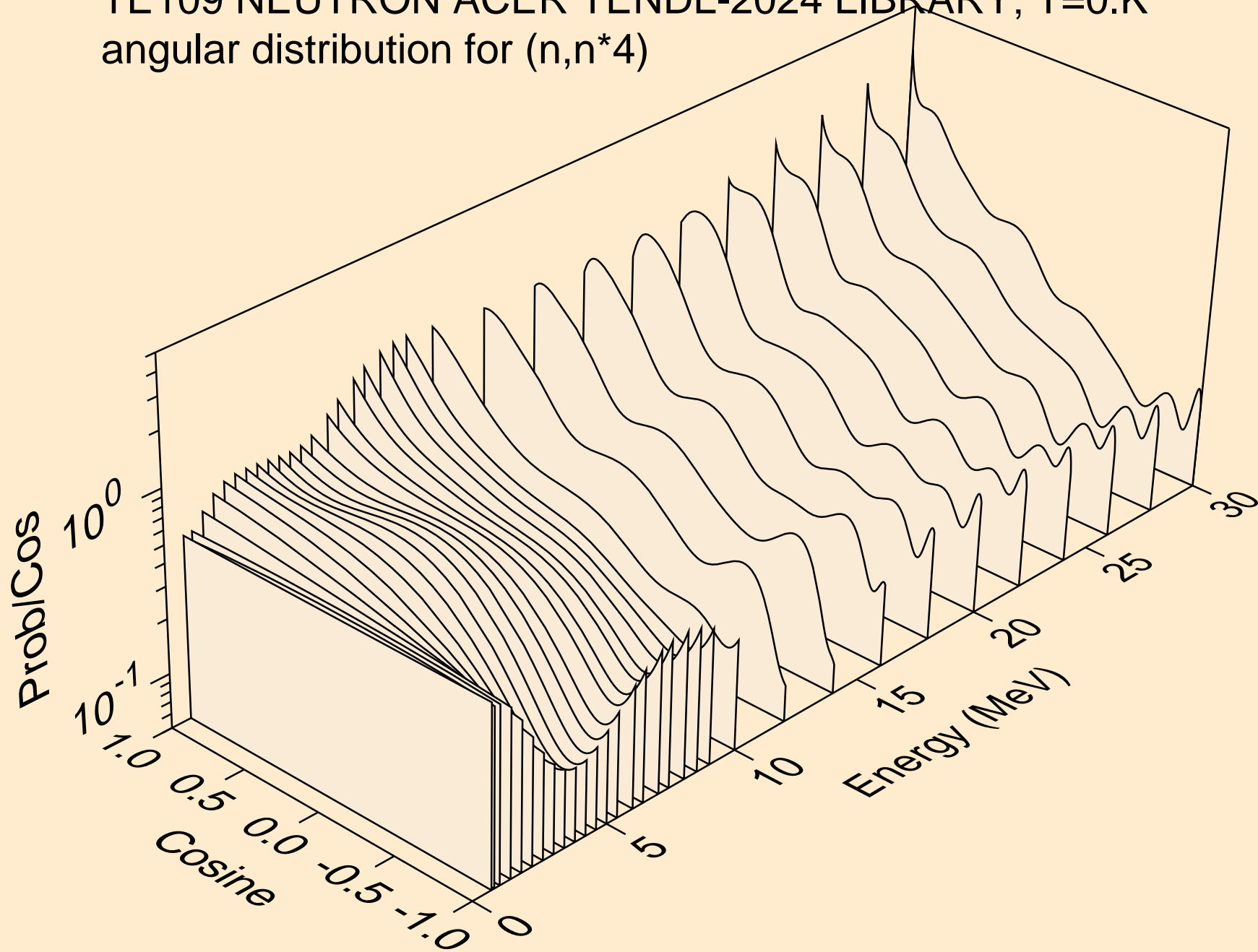




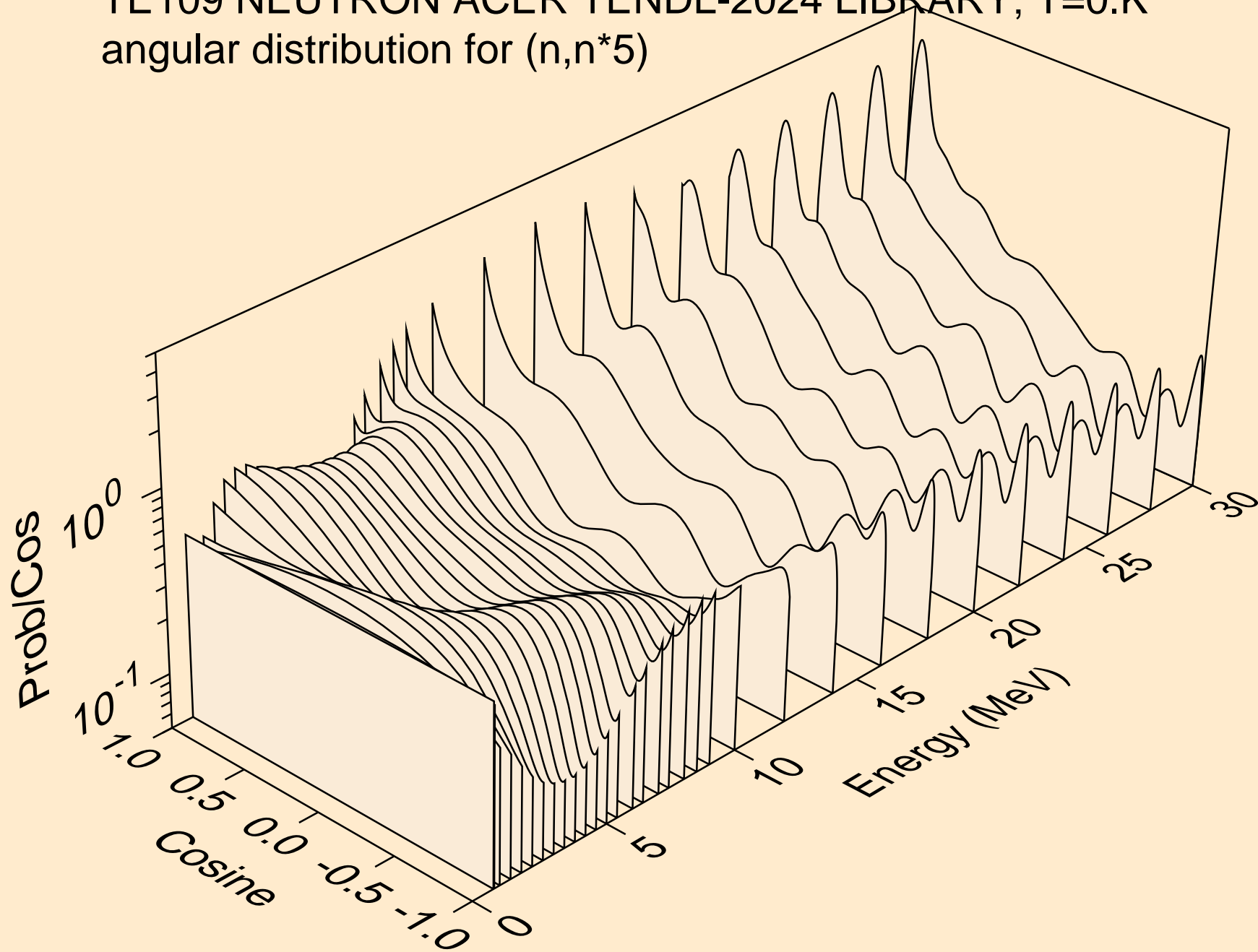
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angular distribution for (n,n\*3)



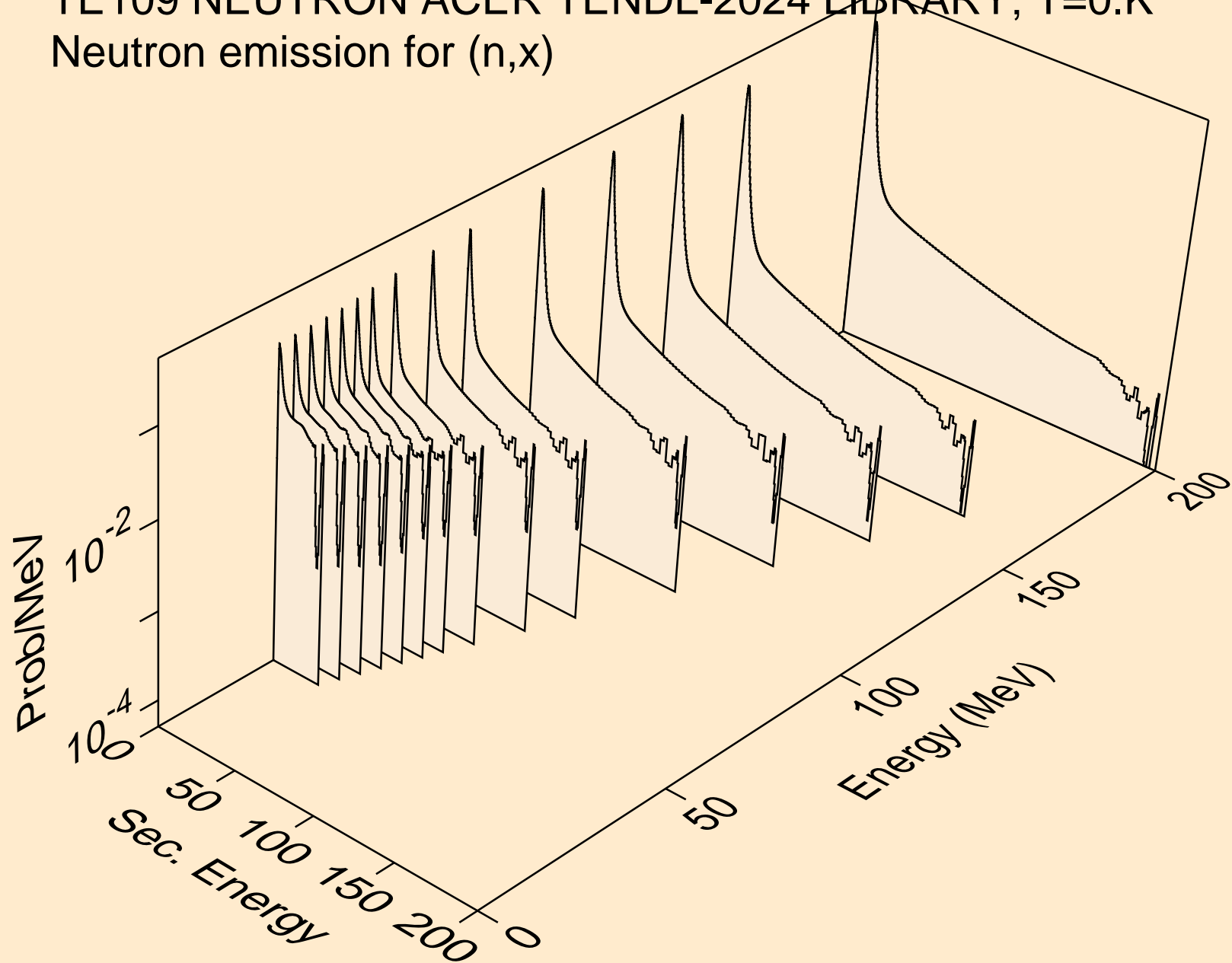
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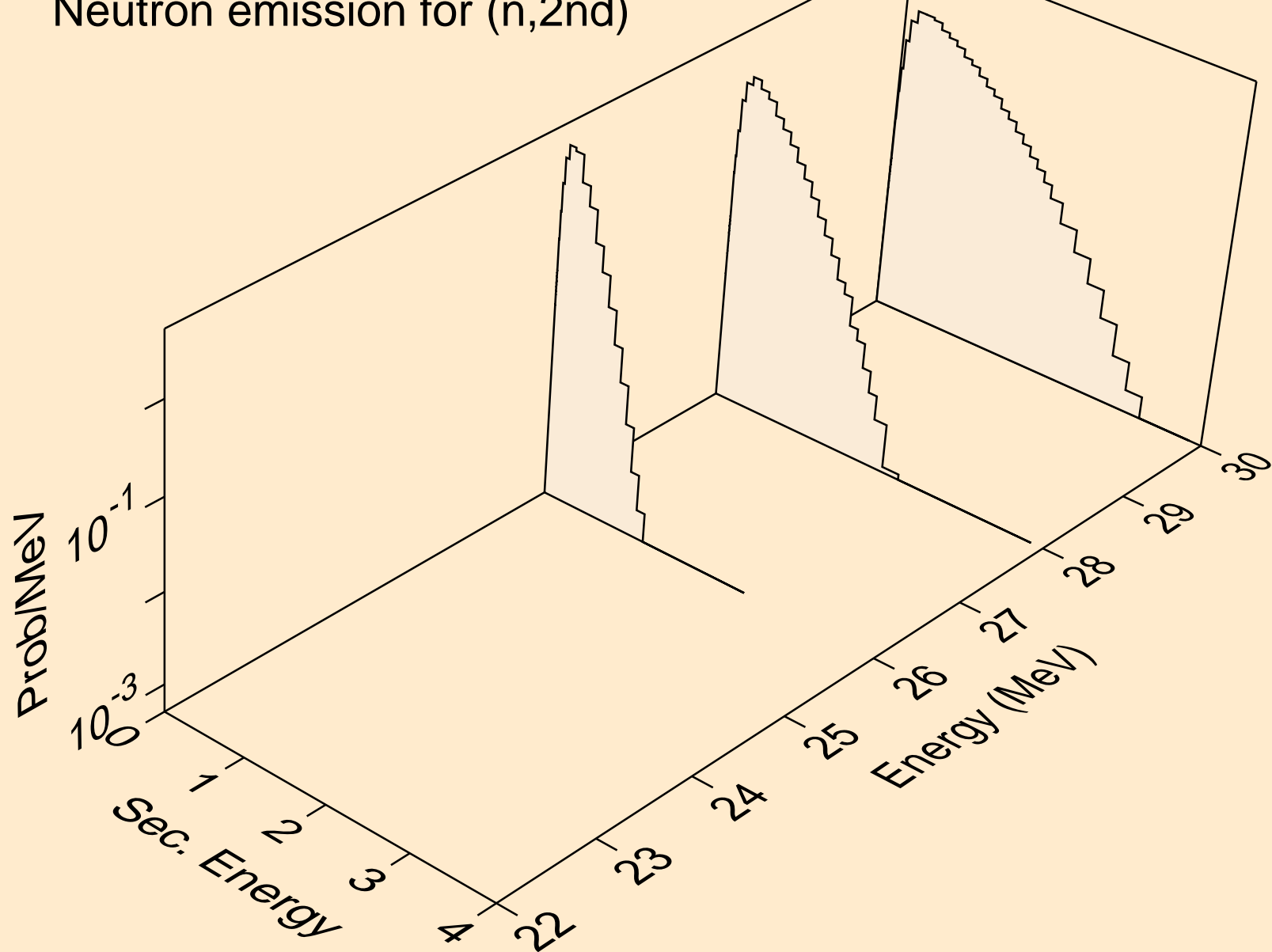
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angular distribution for (n,n\*5)



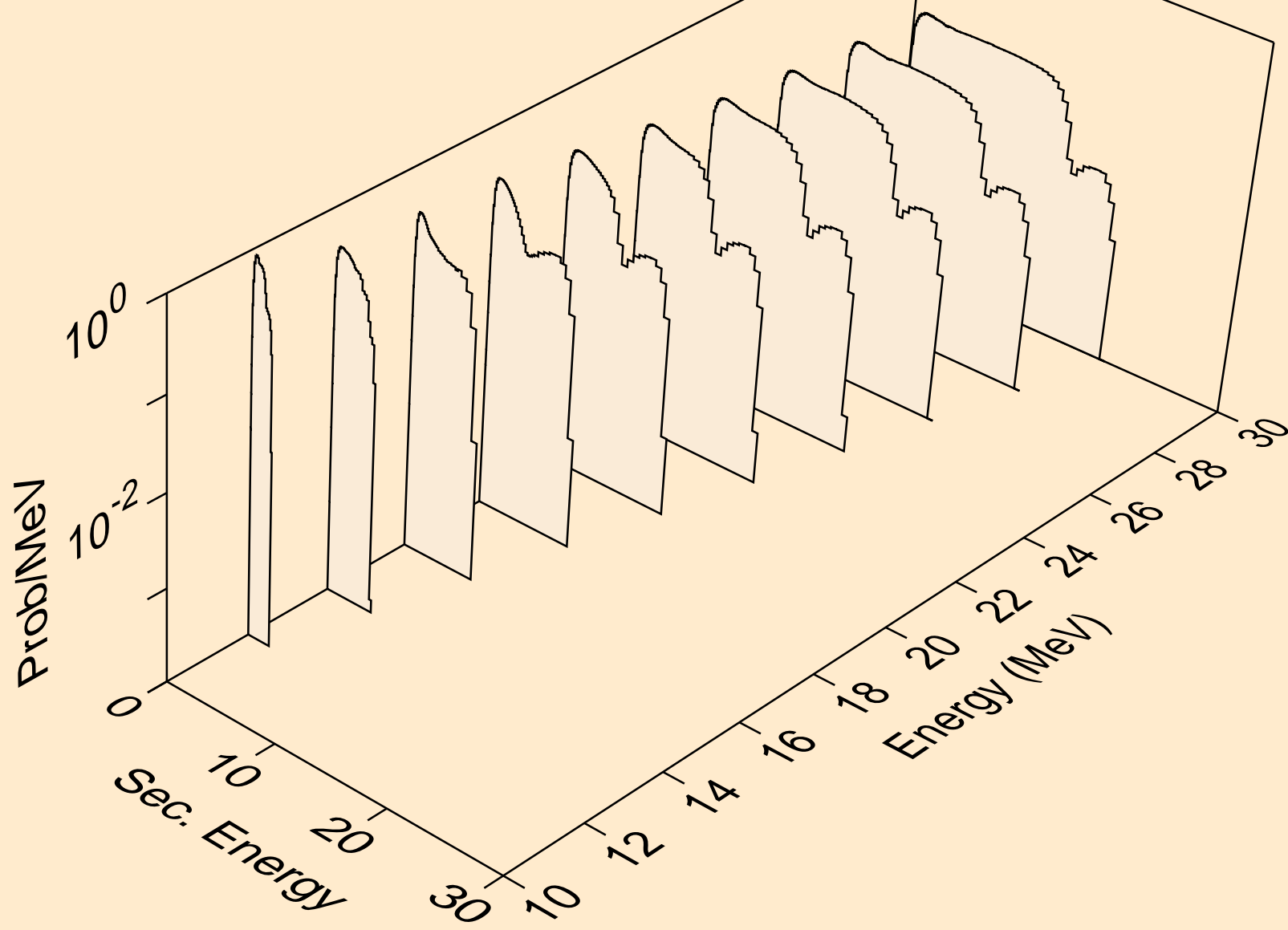
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Neutron emission for (n,x)



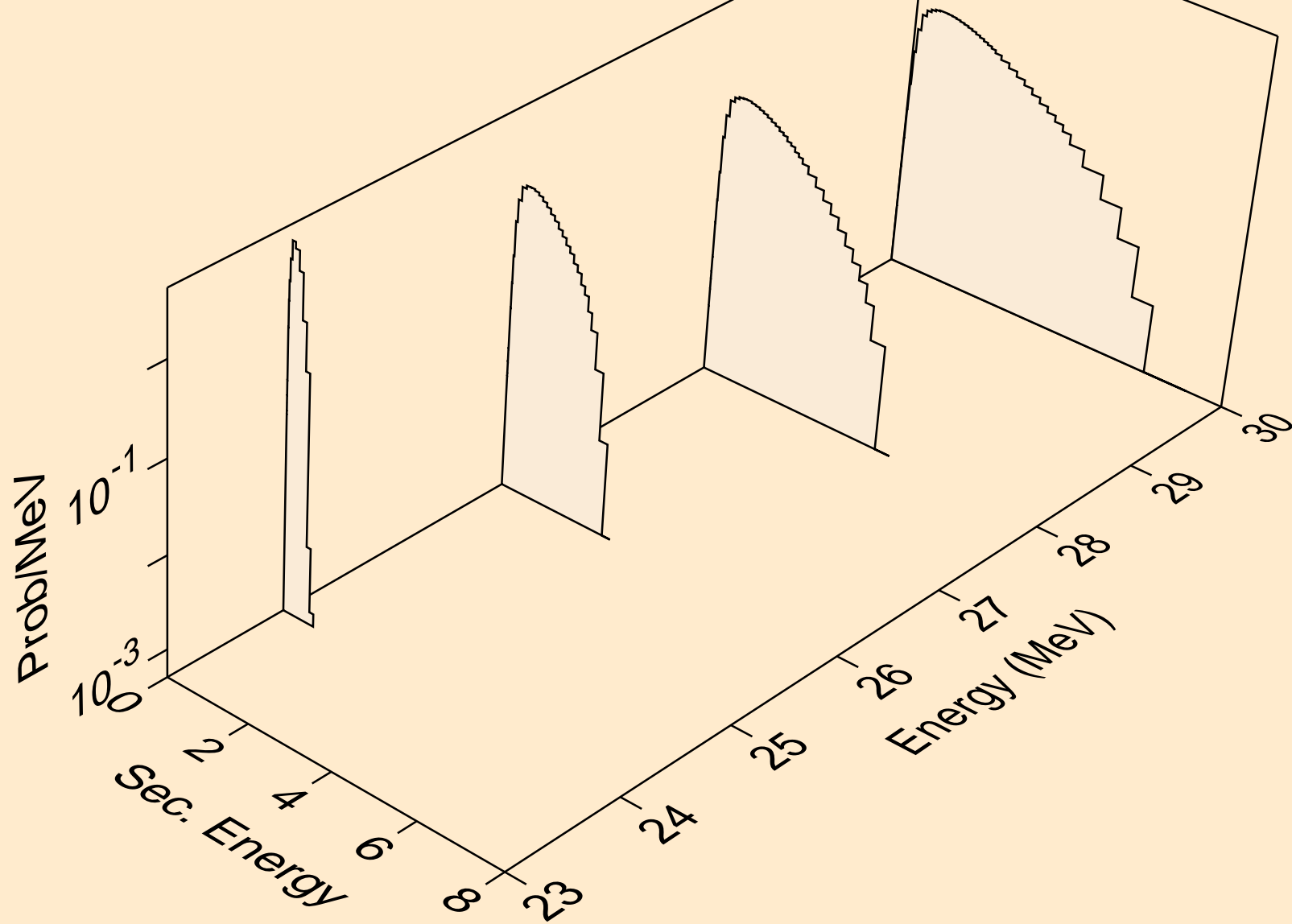
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



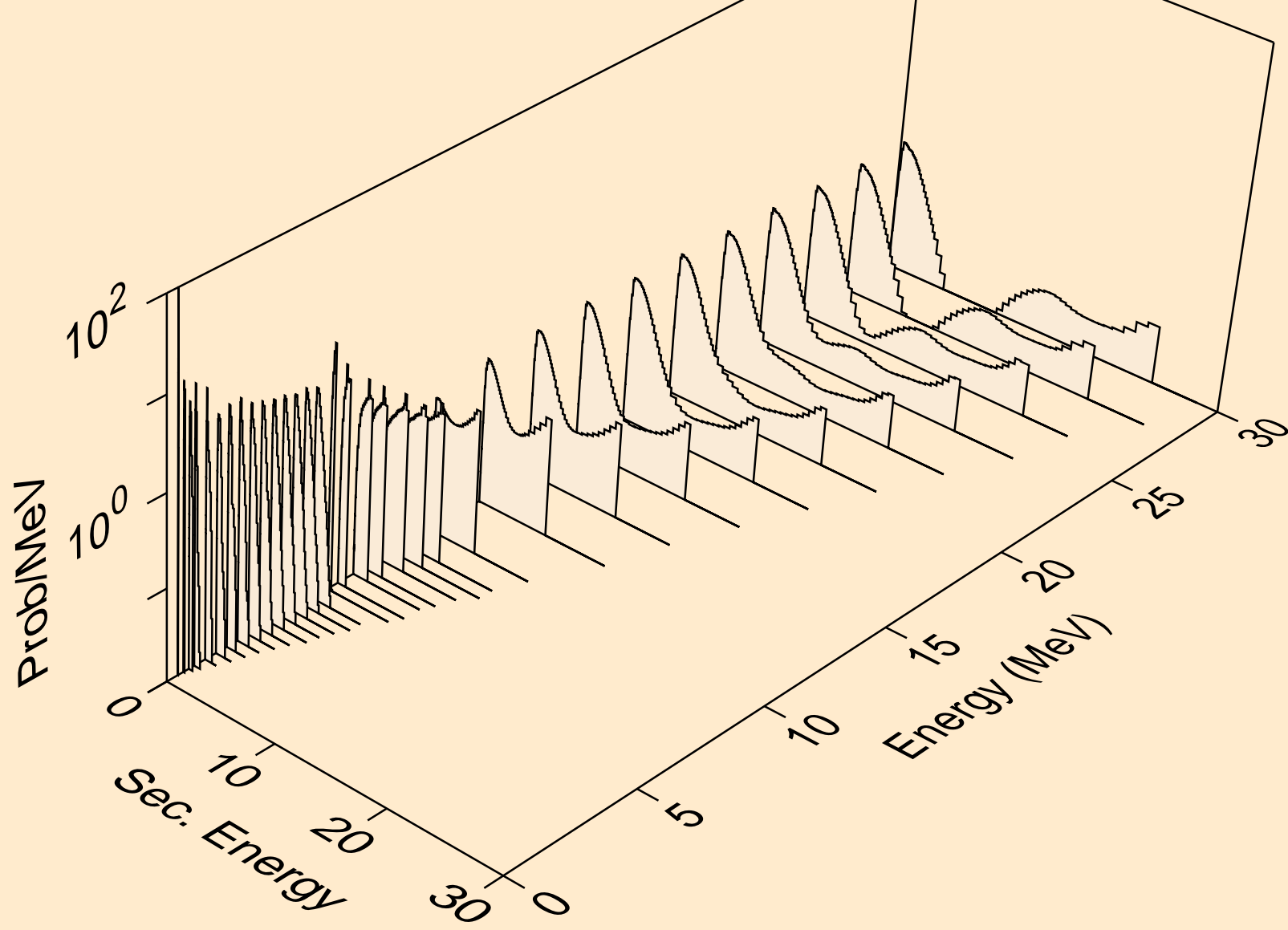
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

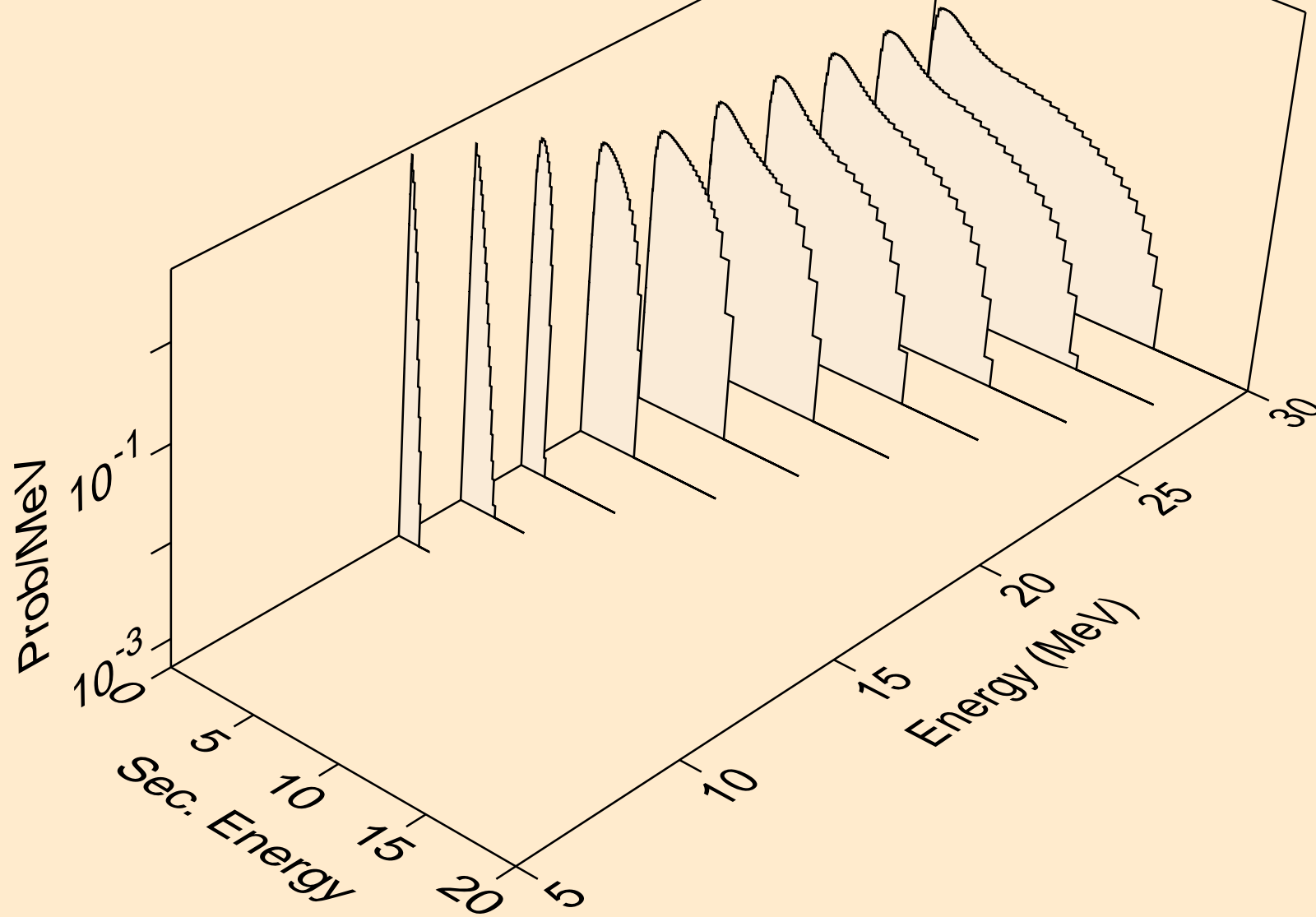


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

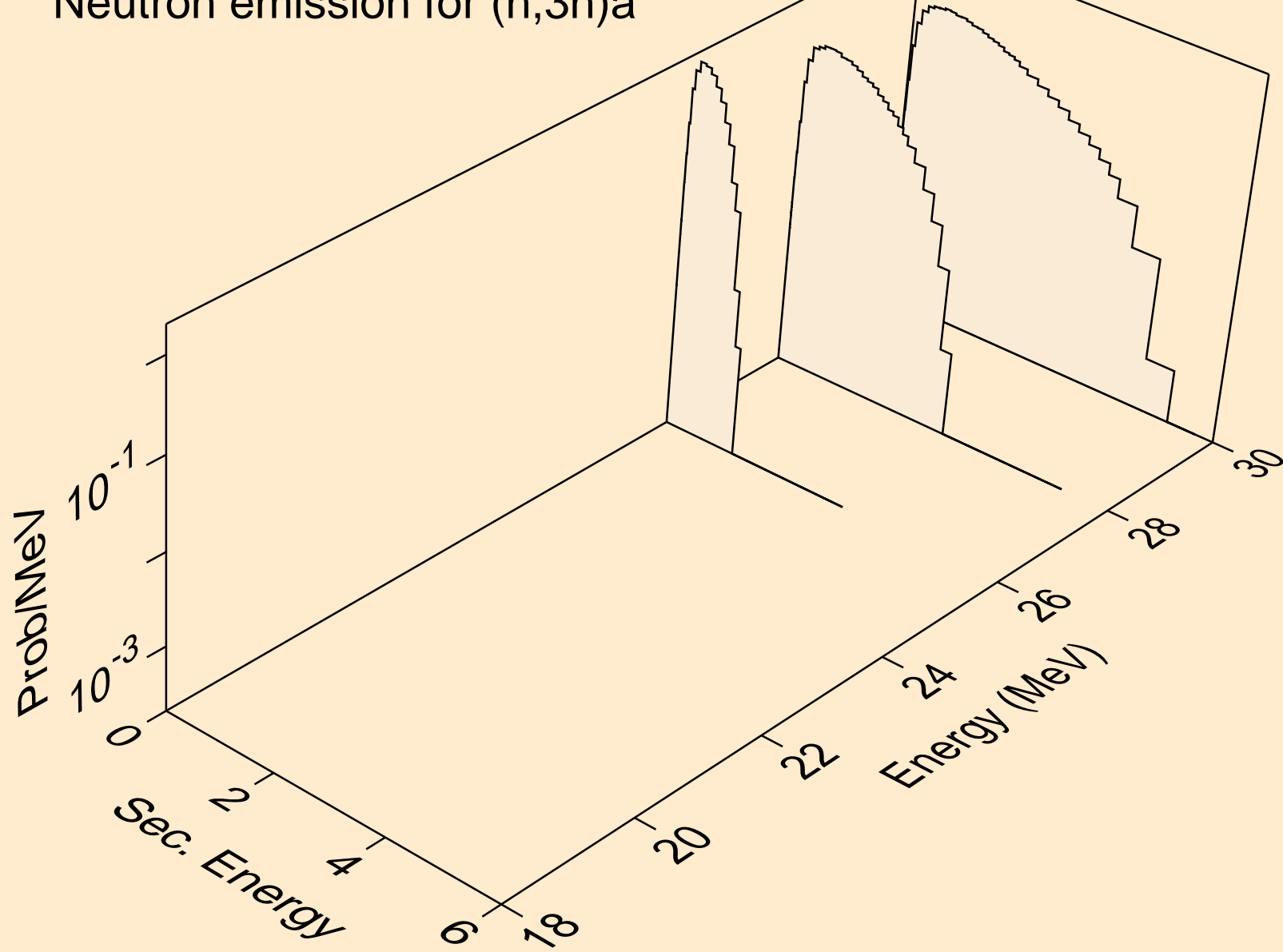




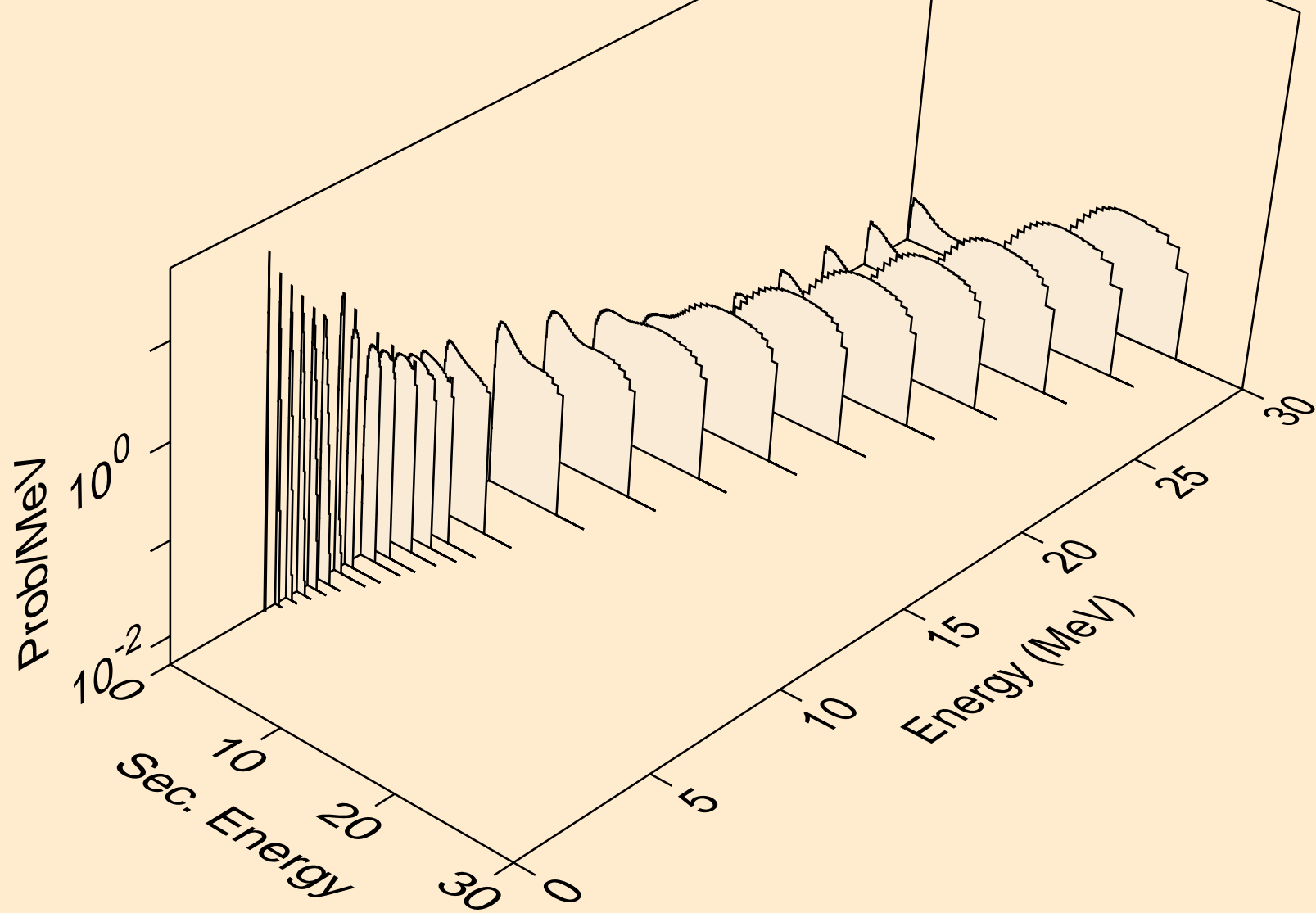
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Neutron emission for (n,2n)a



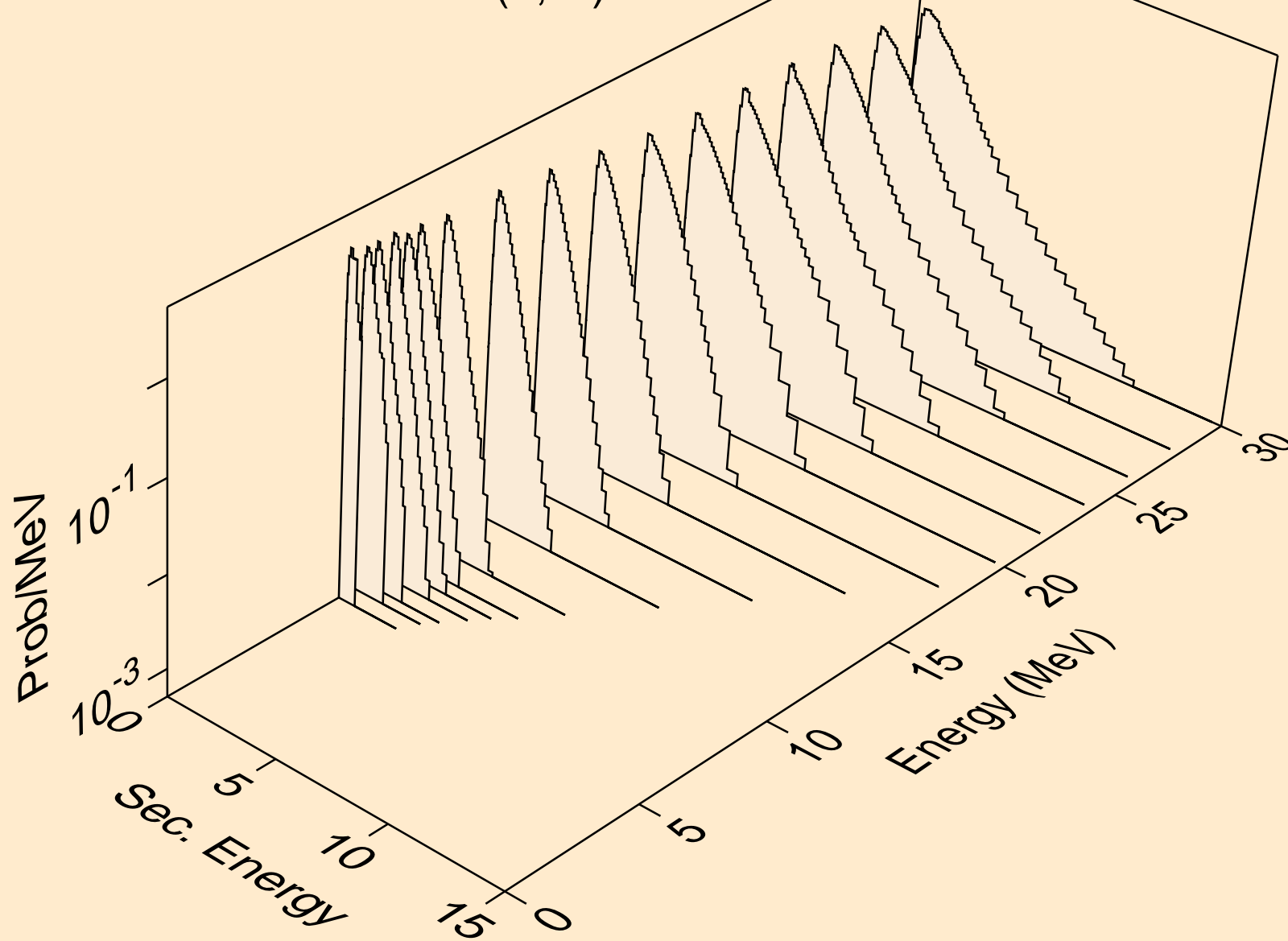
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Neutron emission for (n,3n)a



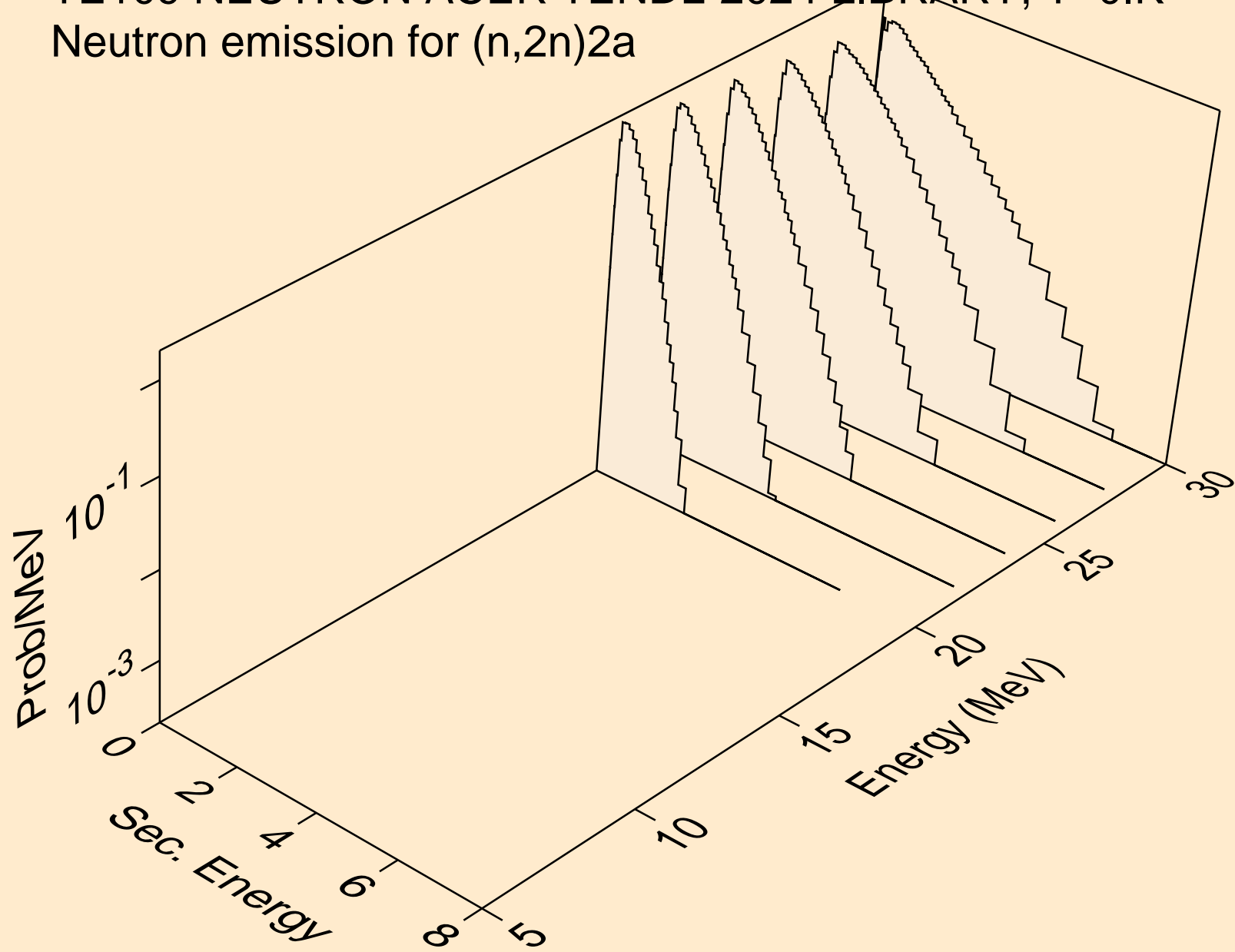
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Neutron emission for (n,n\*)p



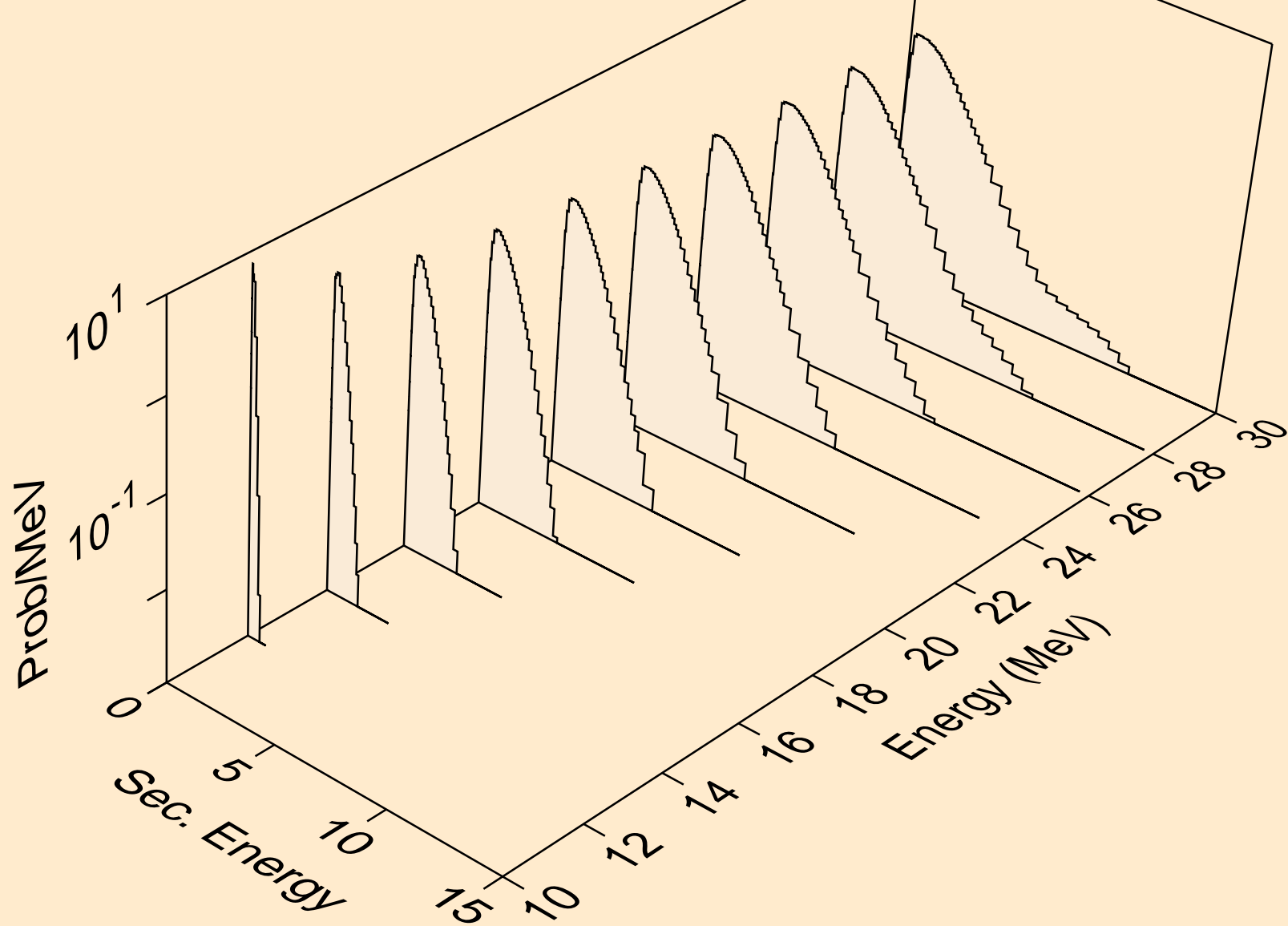
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Neutron emission for (n,n\*)2a



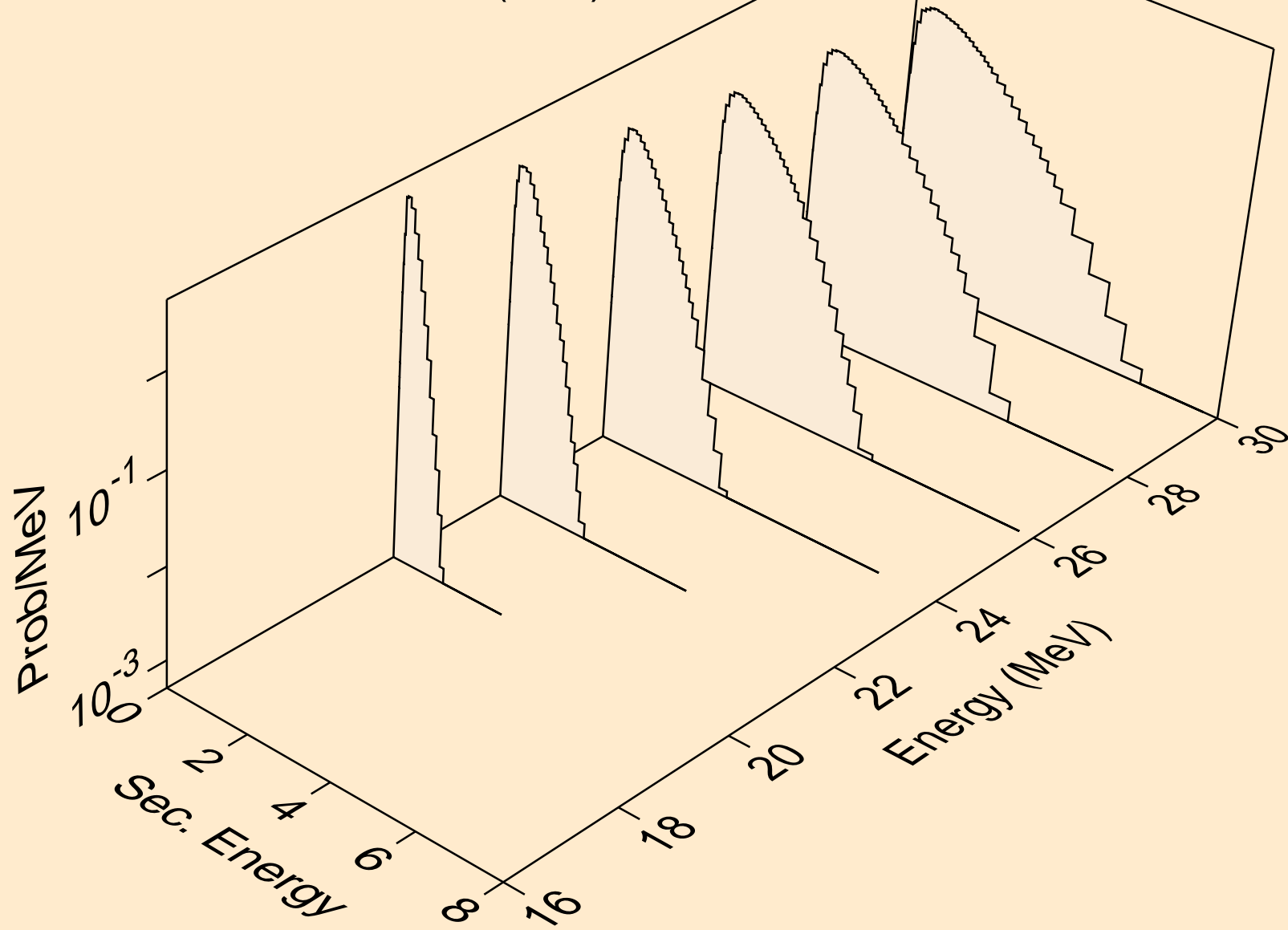
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Neutron emission for (n,2n)2a



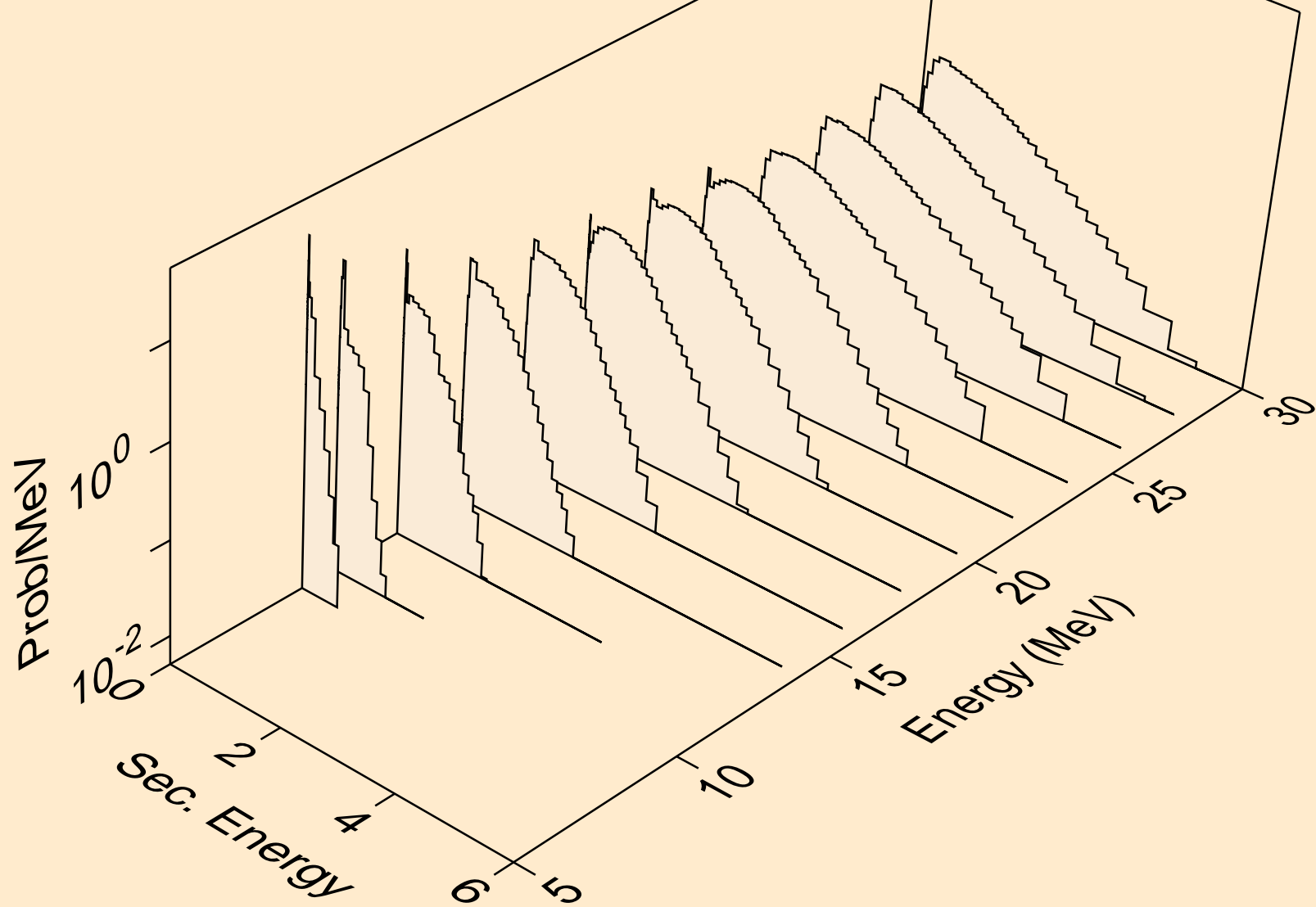
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

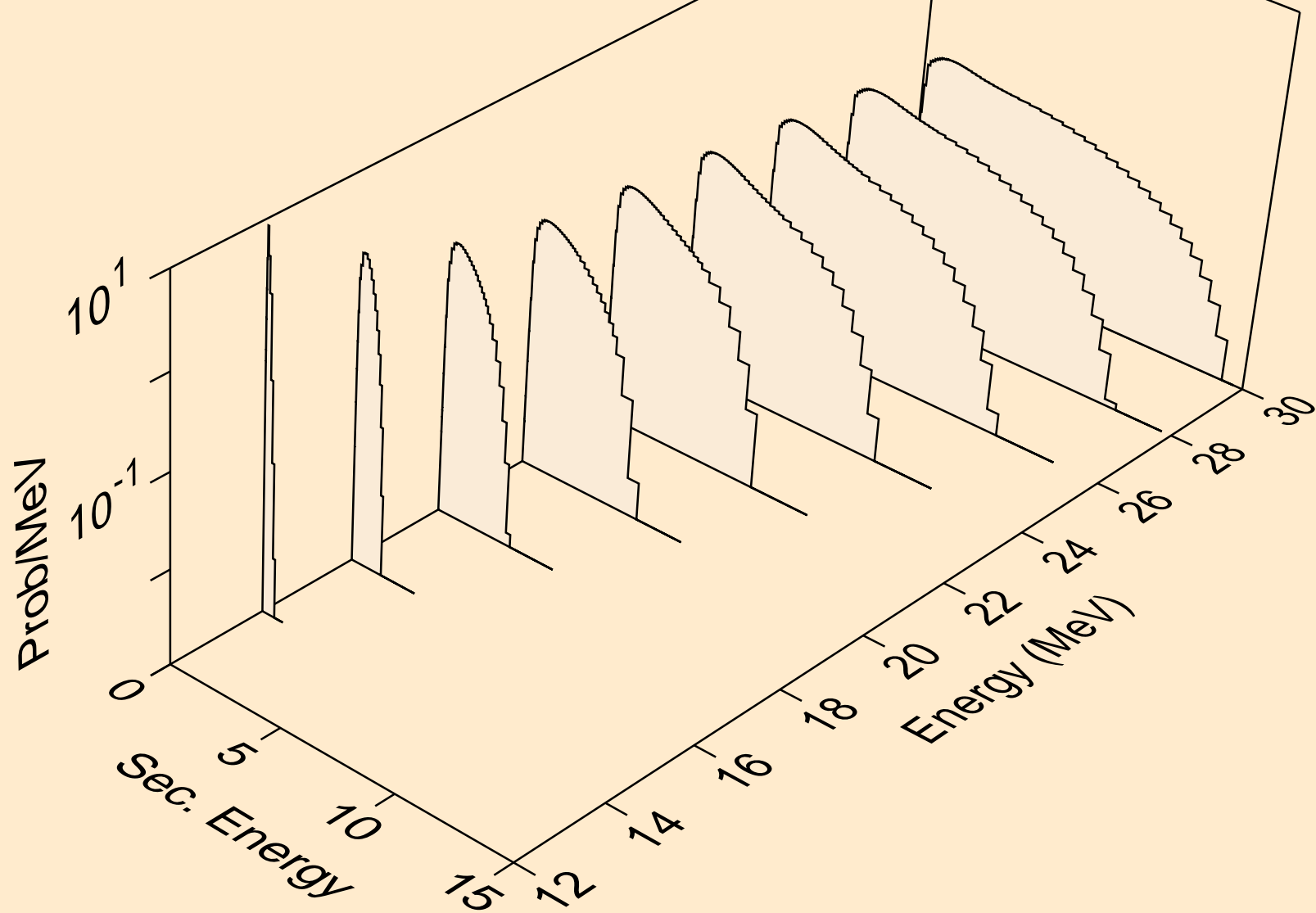


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

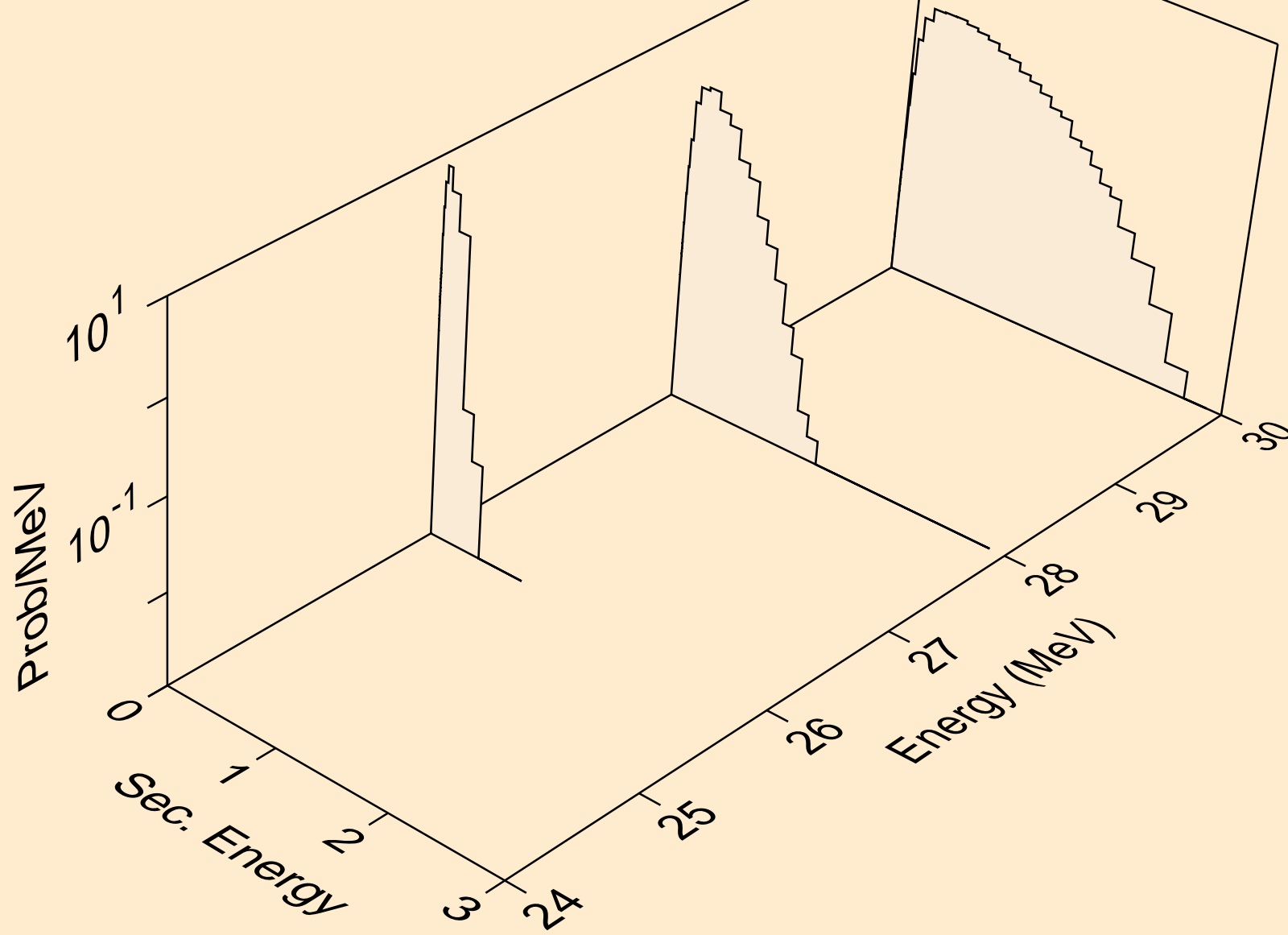




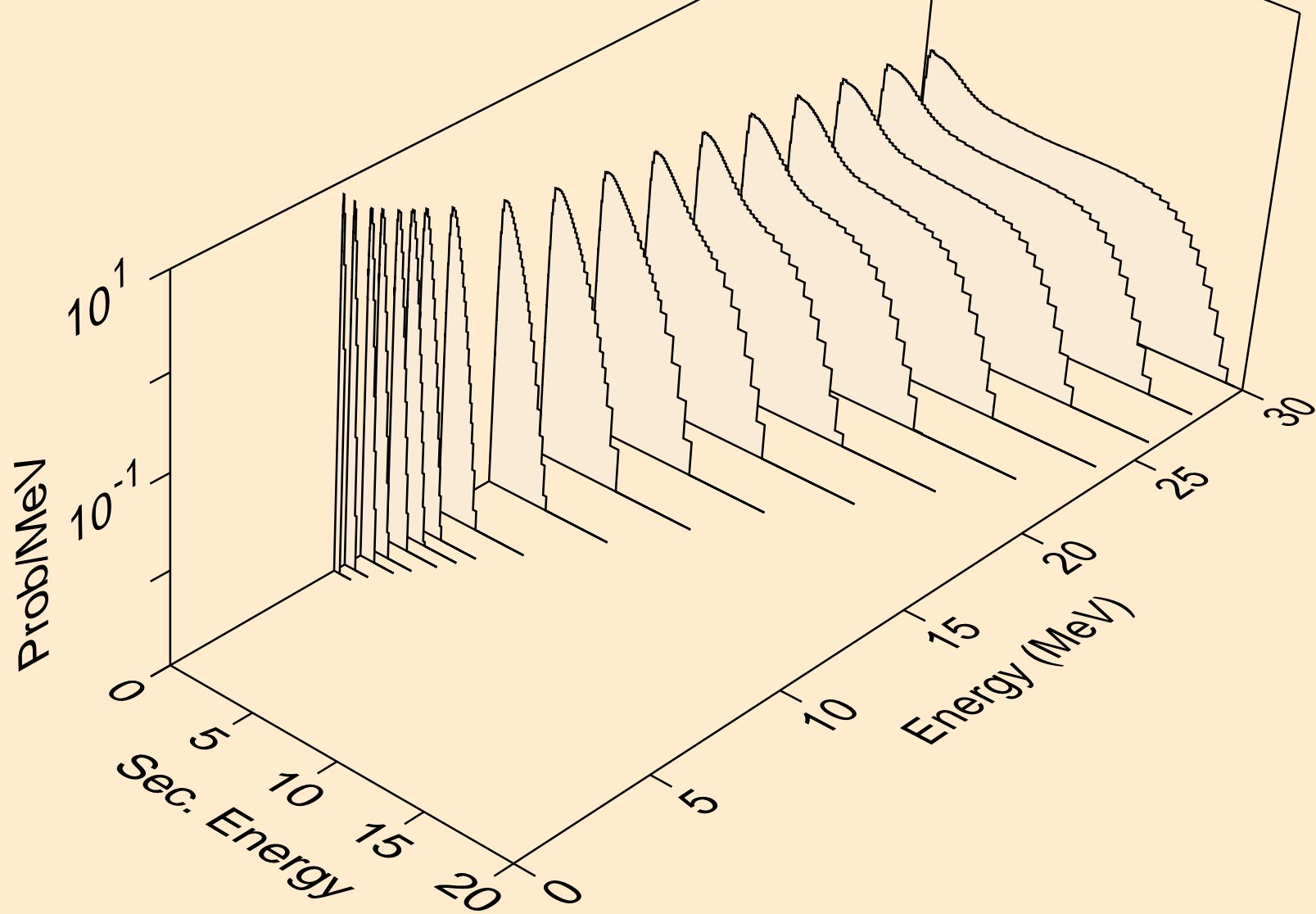
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Neutron emission for (n,2np)



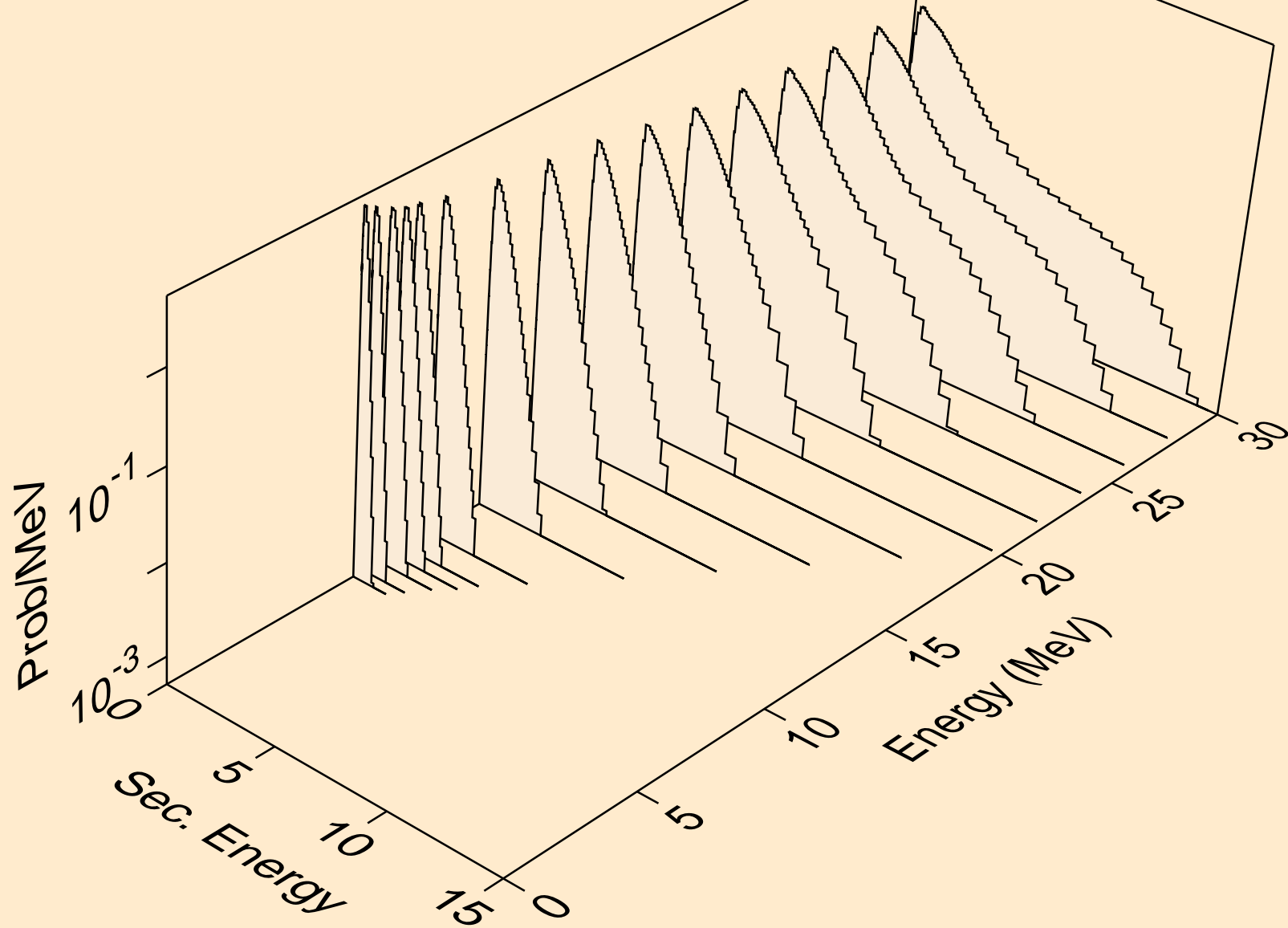
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Neutron emission for (n,3np)



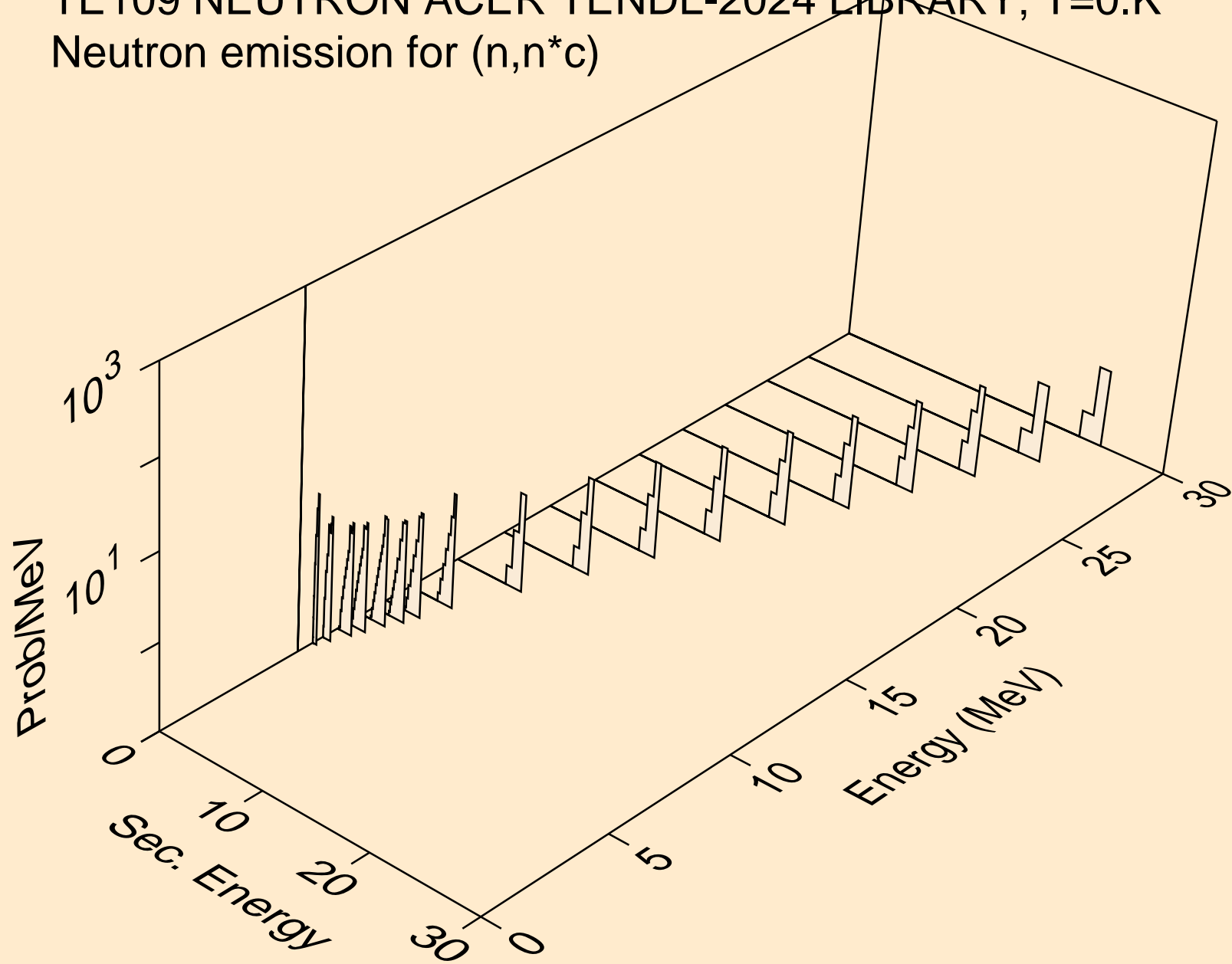
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Neutron emission for (n,n2p)



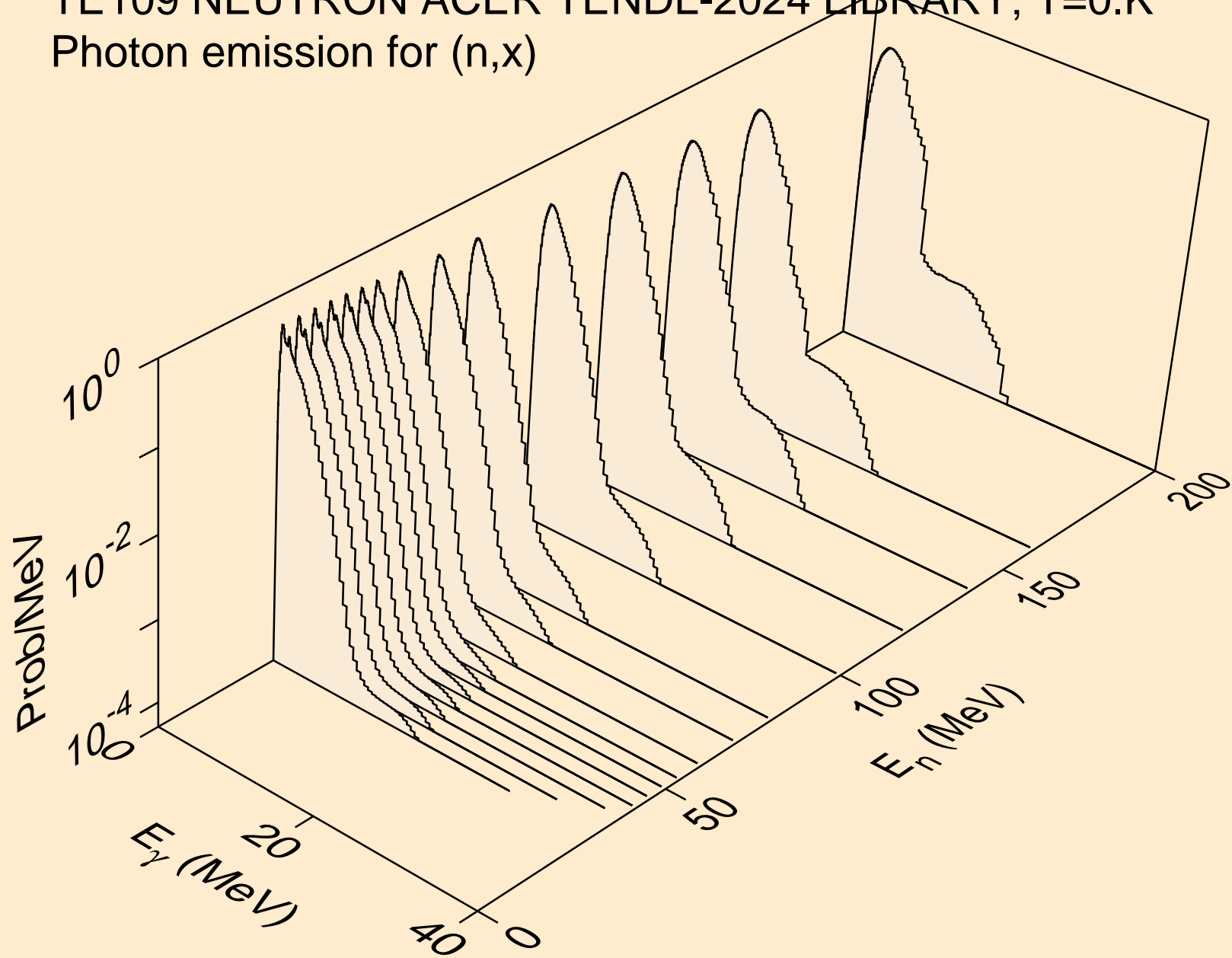
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Neutron emission for (n,npa)



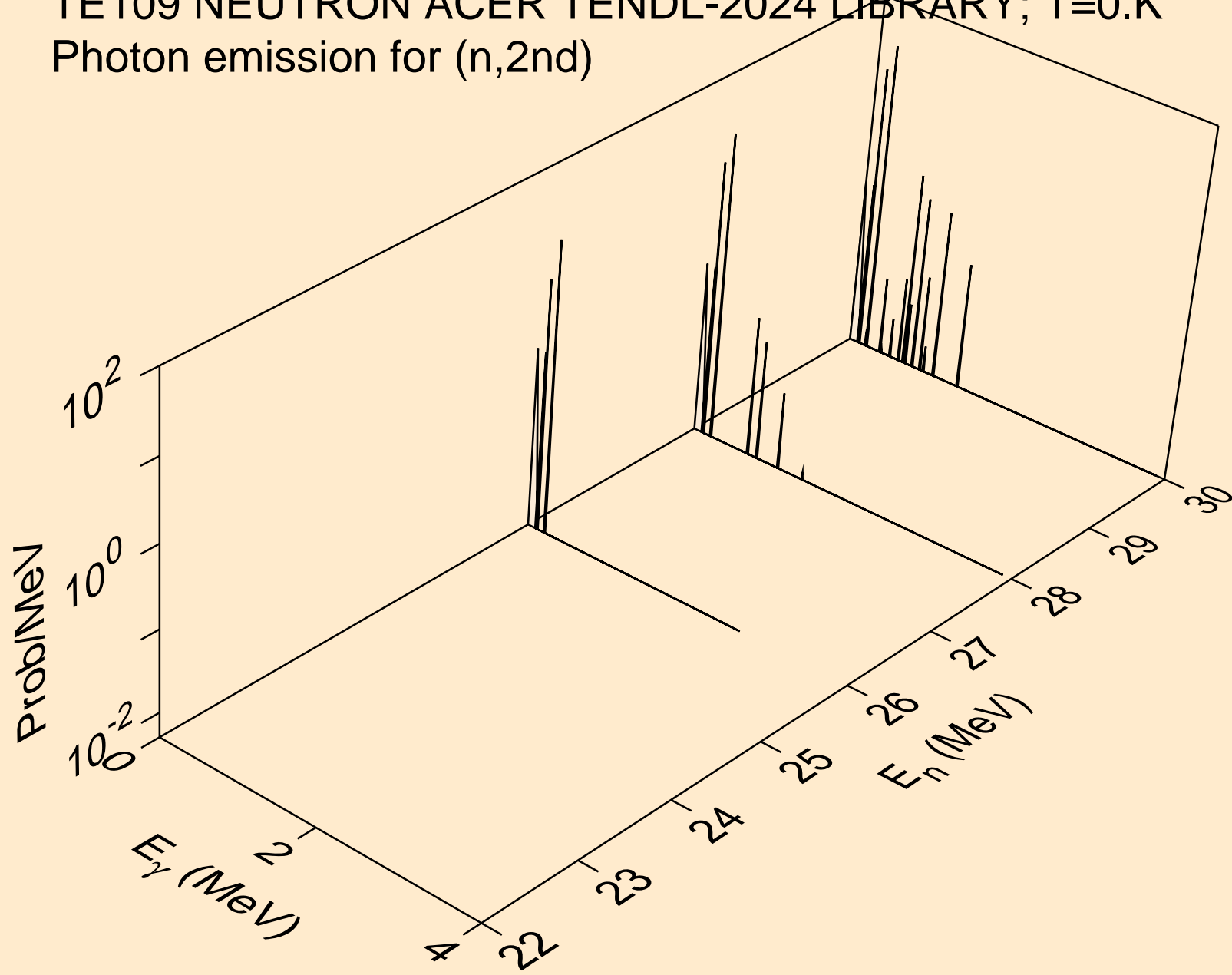
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Neutron emission for (n,n\*c)



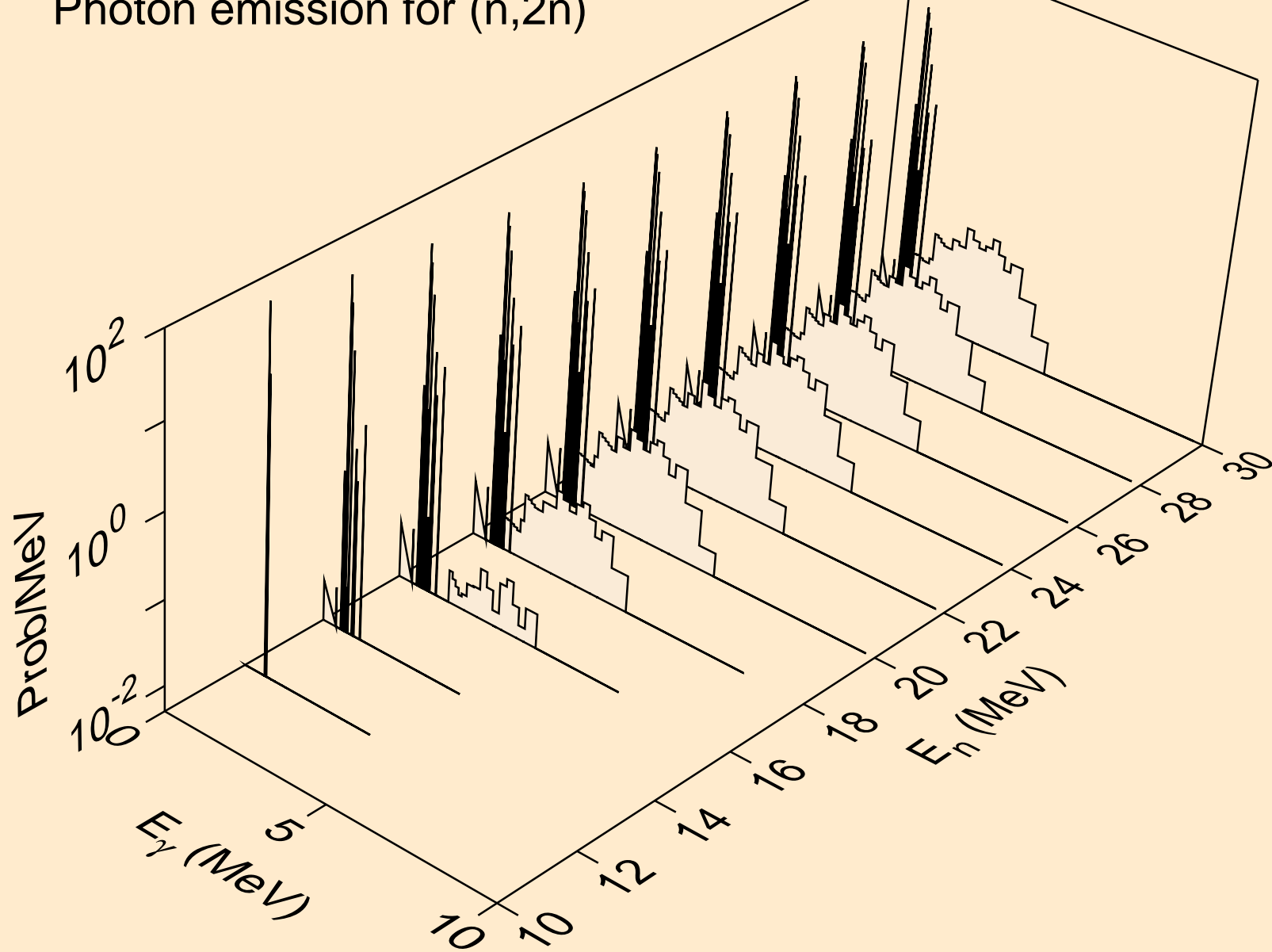
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

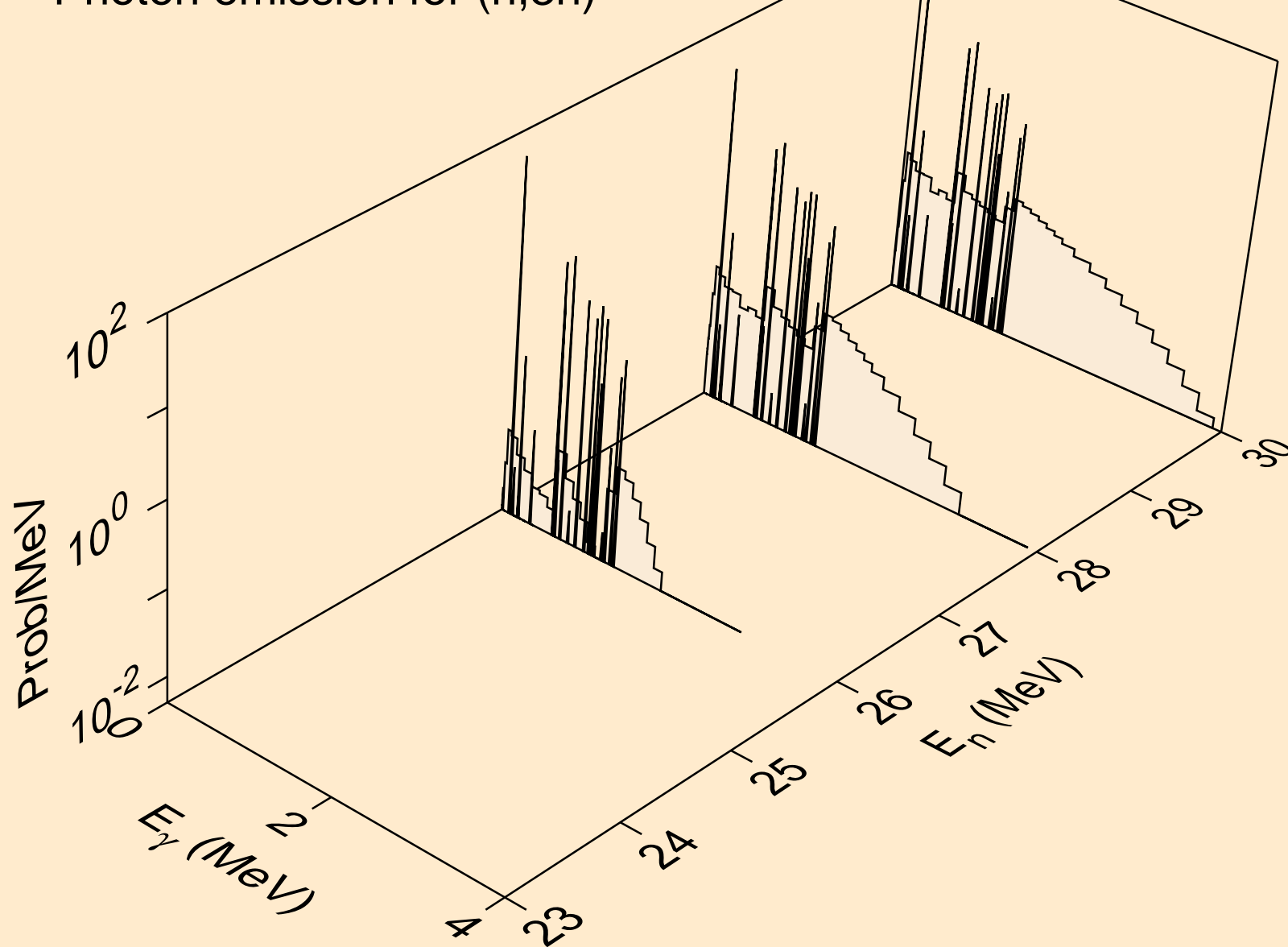


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

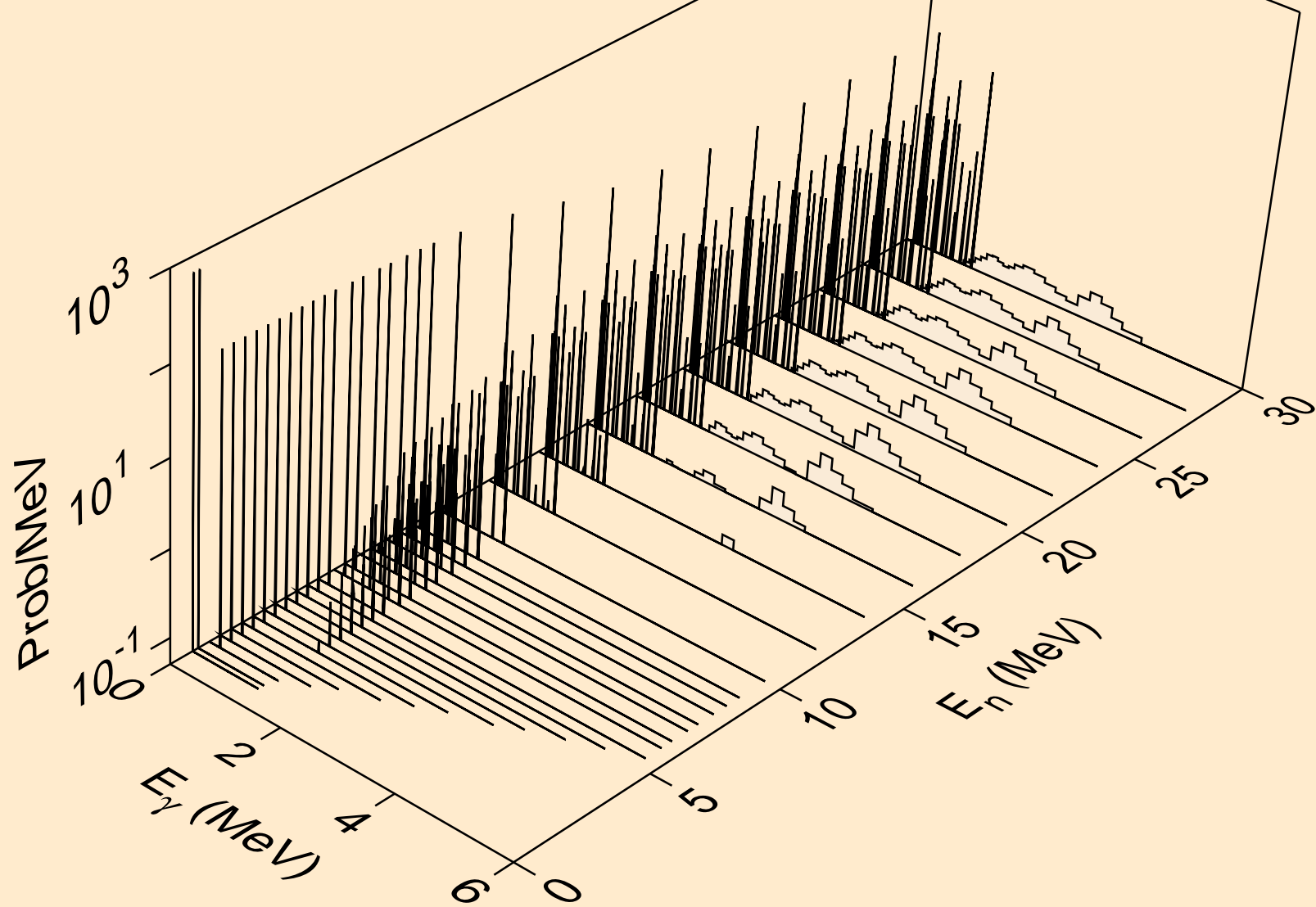




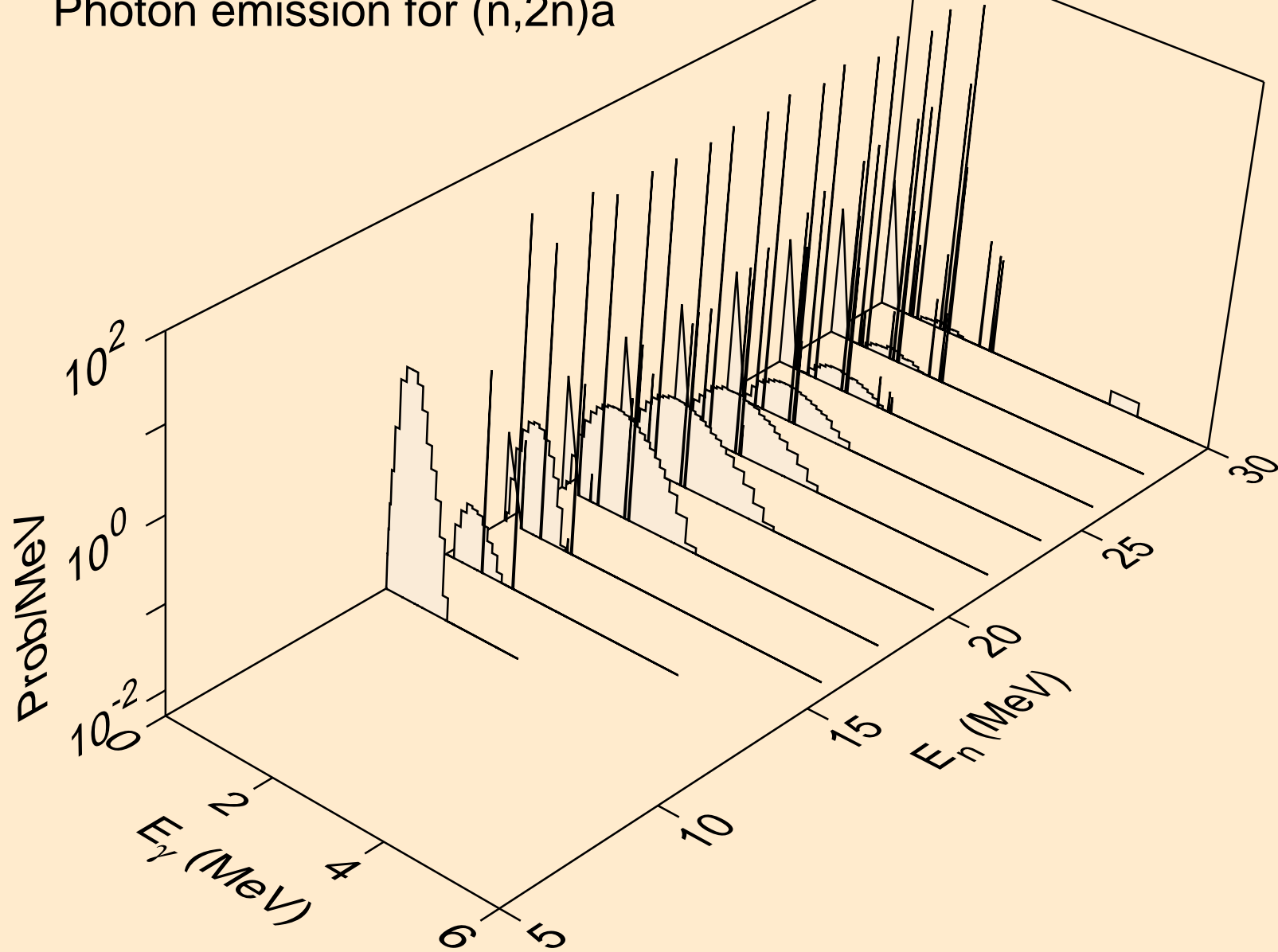
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Photon emission for (n,3n)



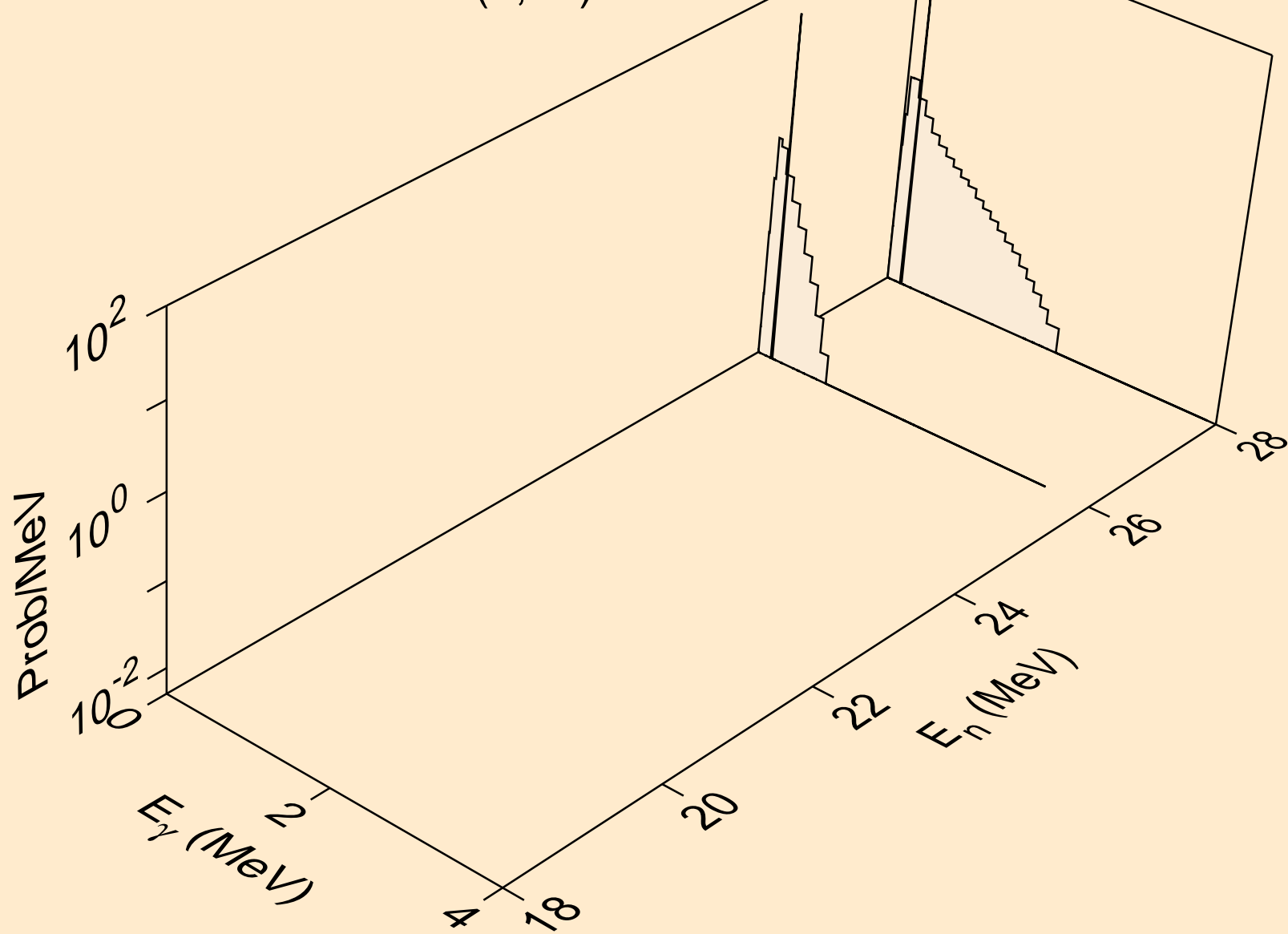
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



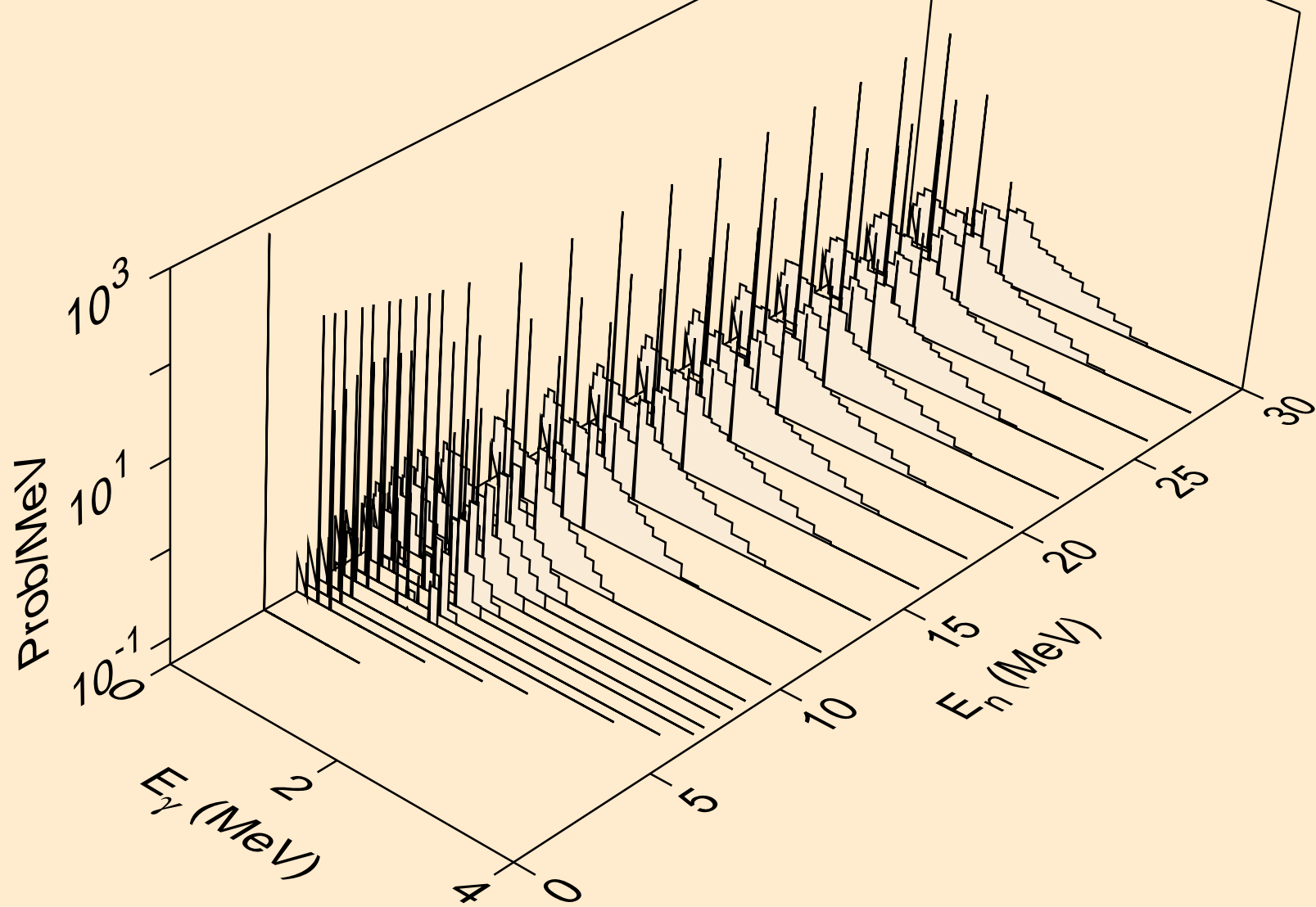
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Photon emission for (n,2n)a



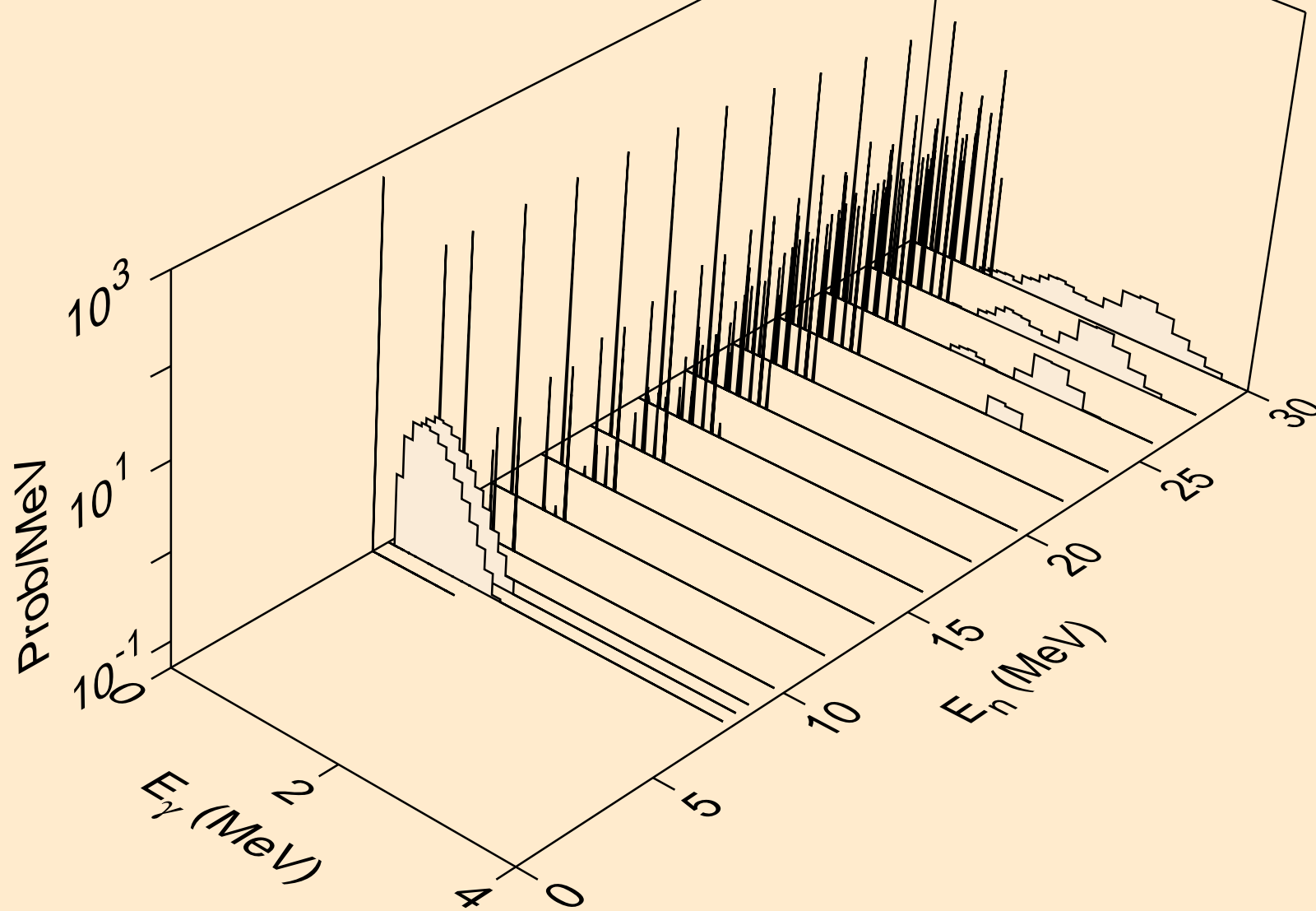
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Photon emission for (n,3n)a



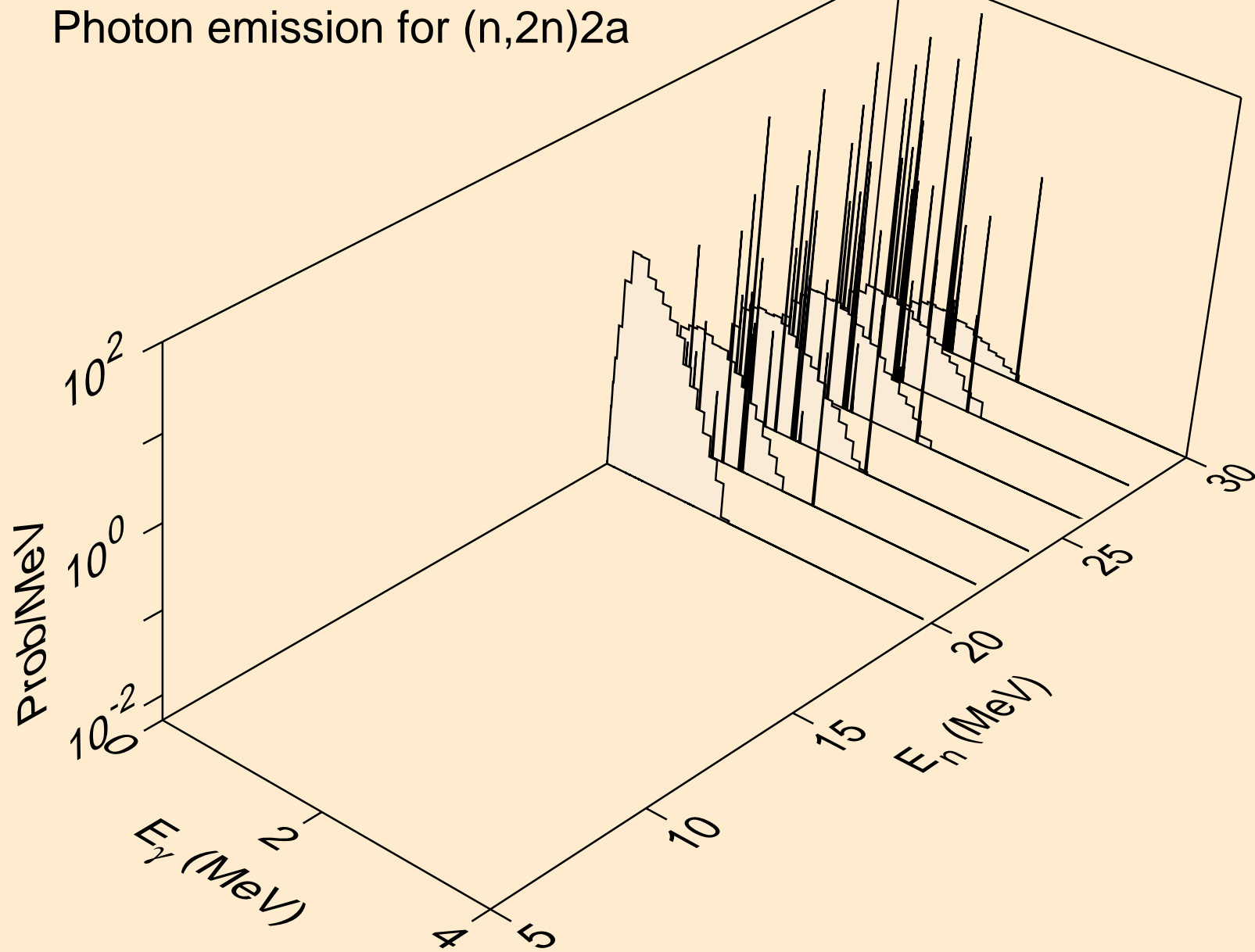
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Photon emission for (n,n\*)p



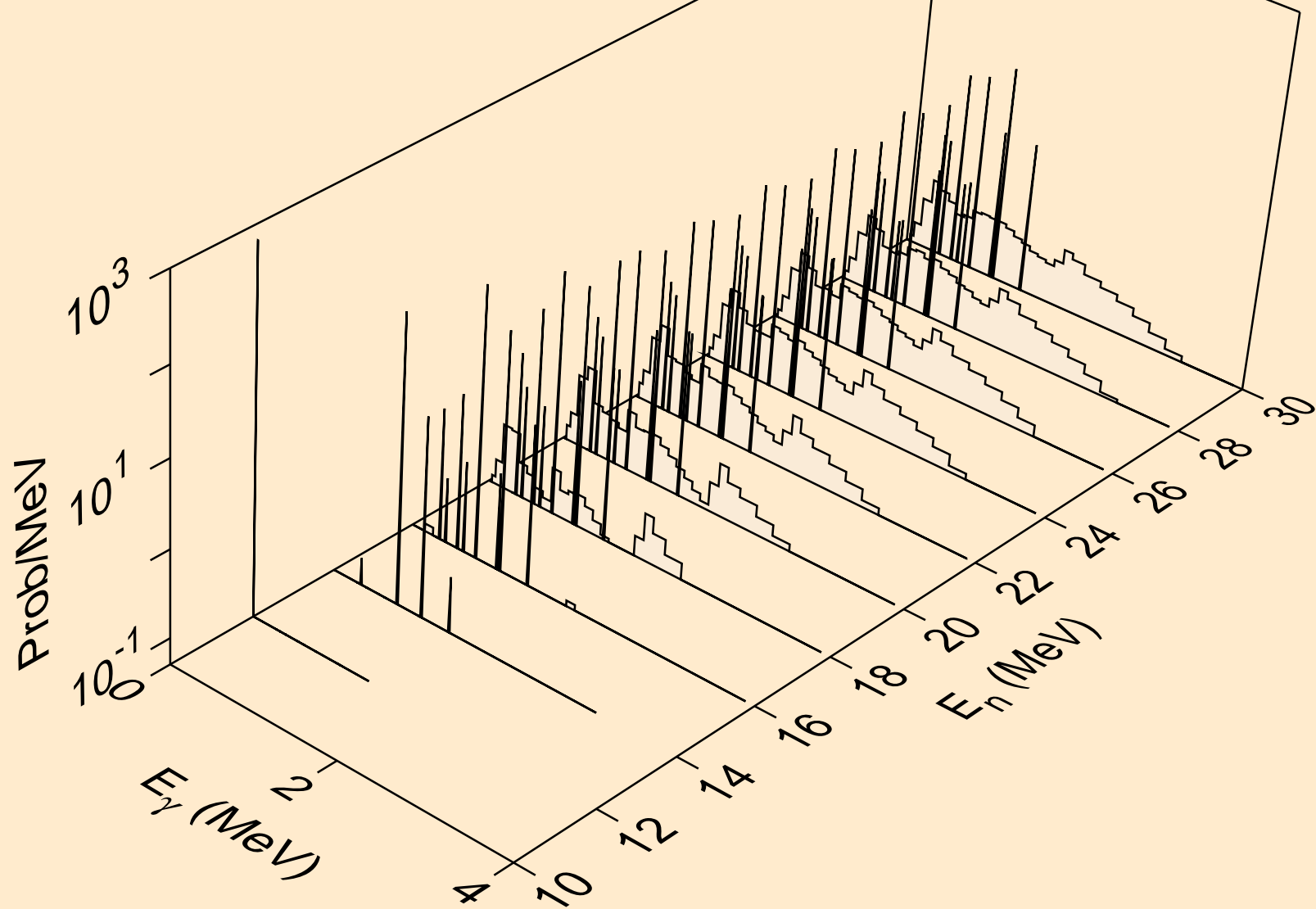
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

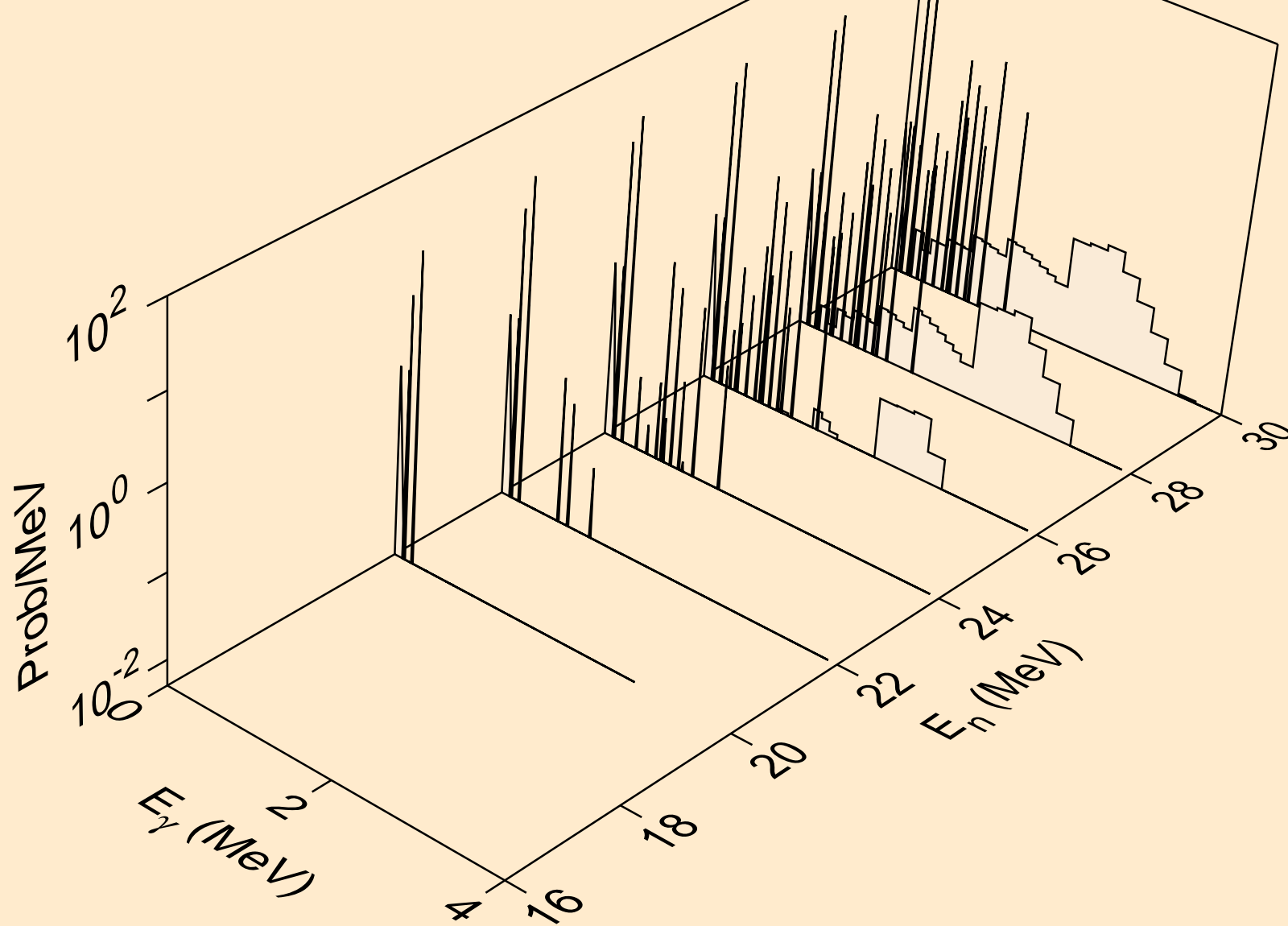


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Photon emission for (n,n\*)d

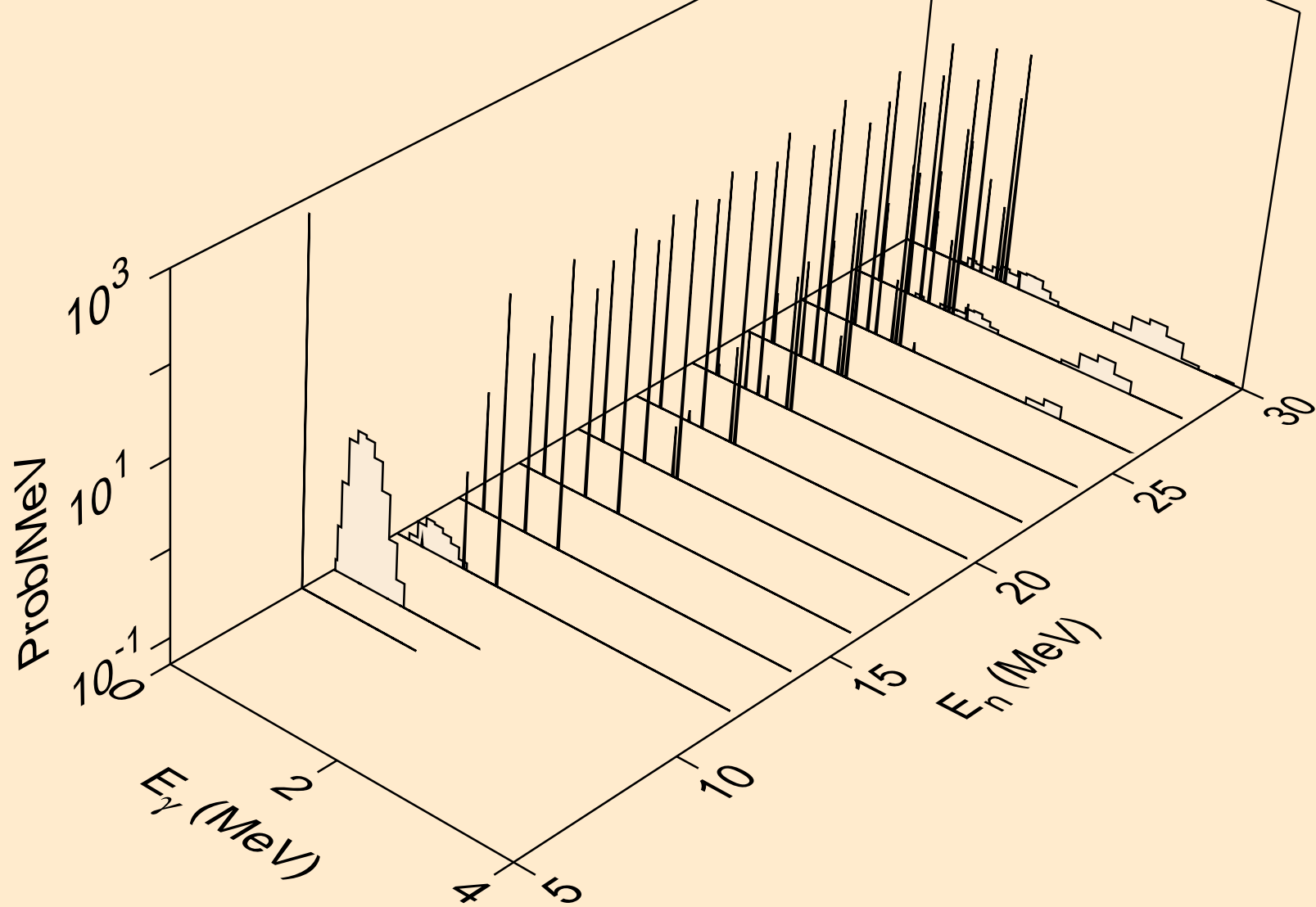




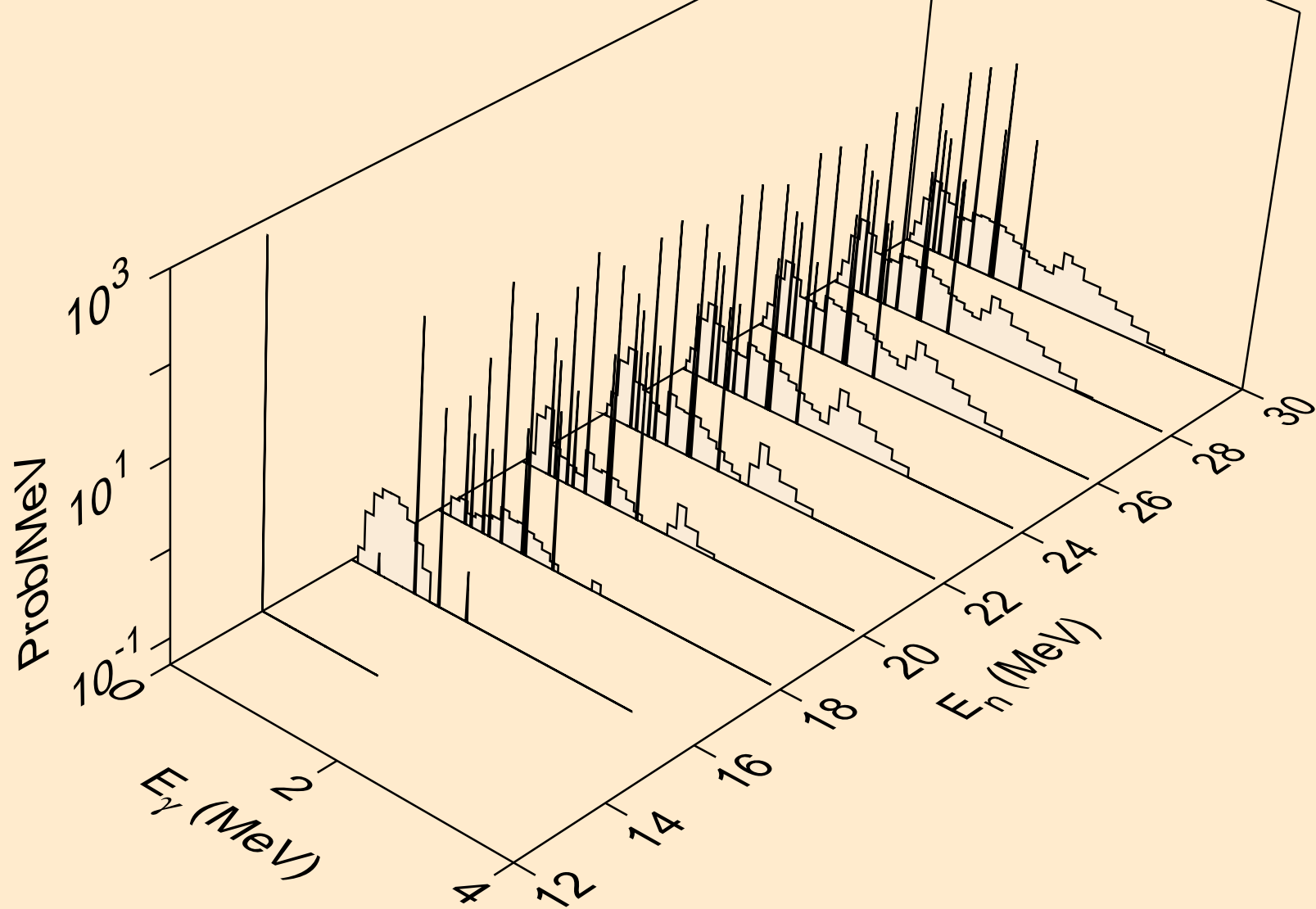
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Photon emission for (n,n\*)t



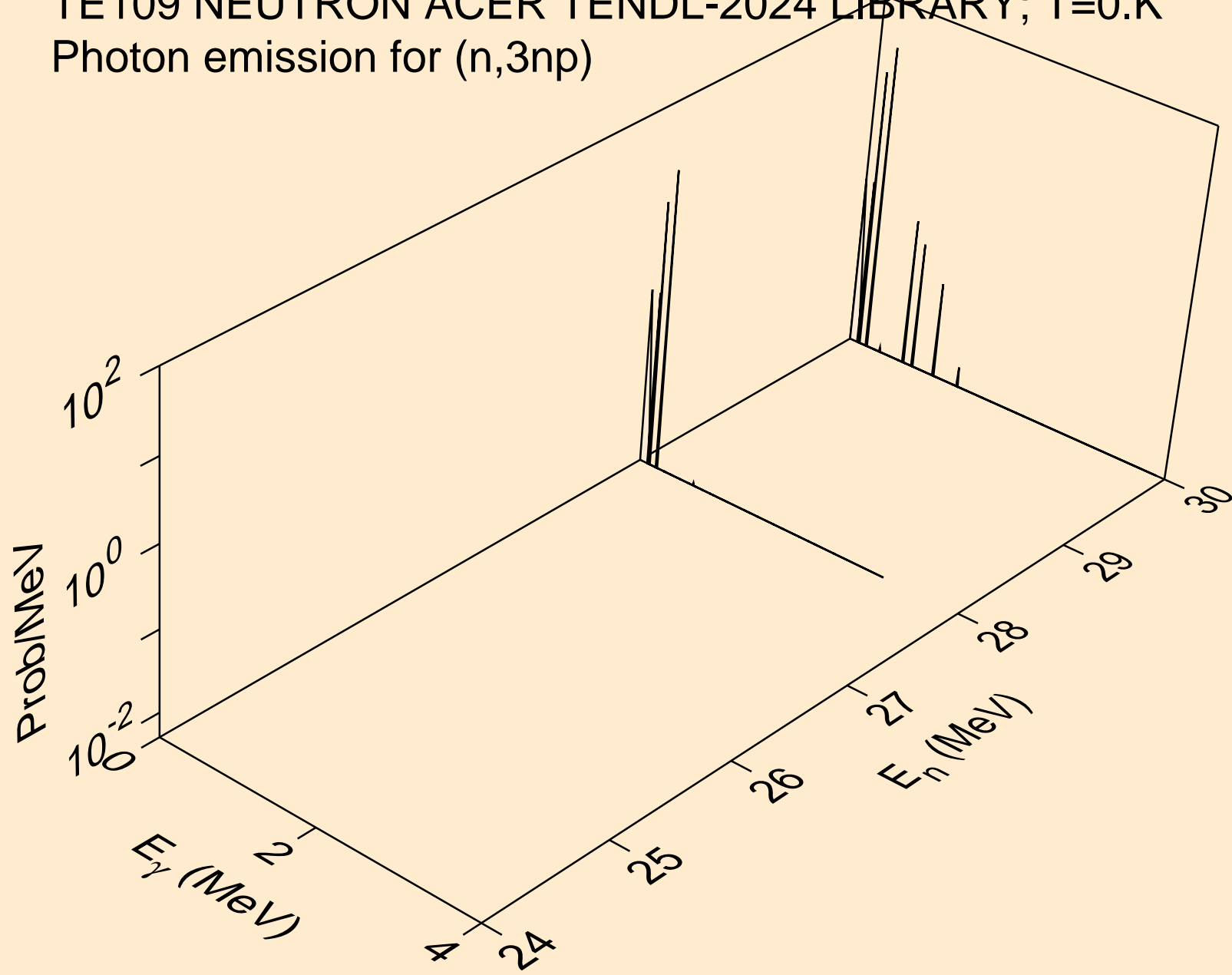
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



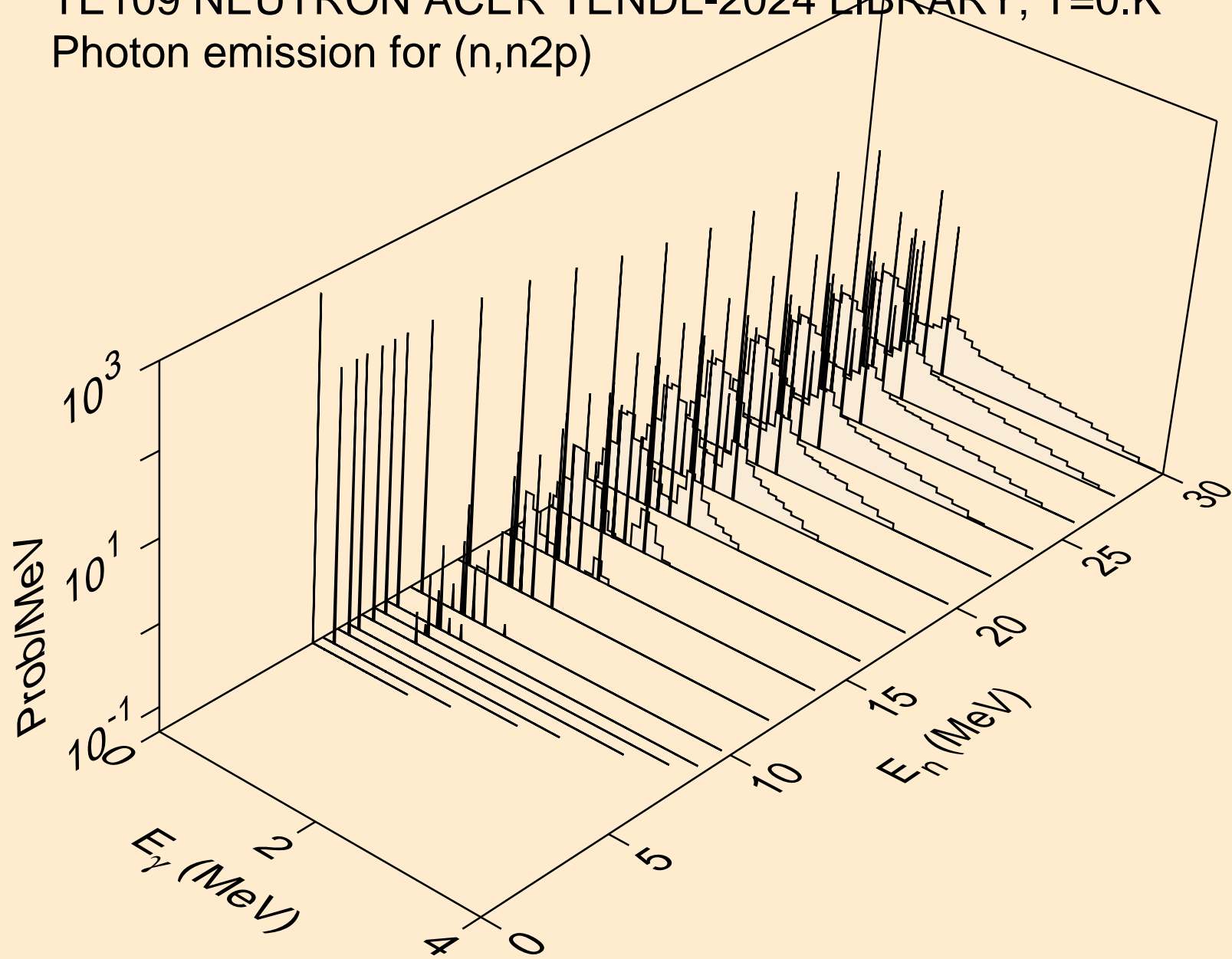
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Photon emission for (n,2np)



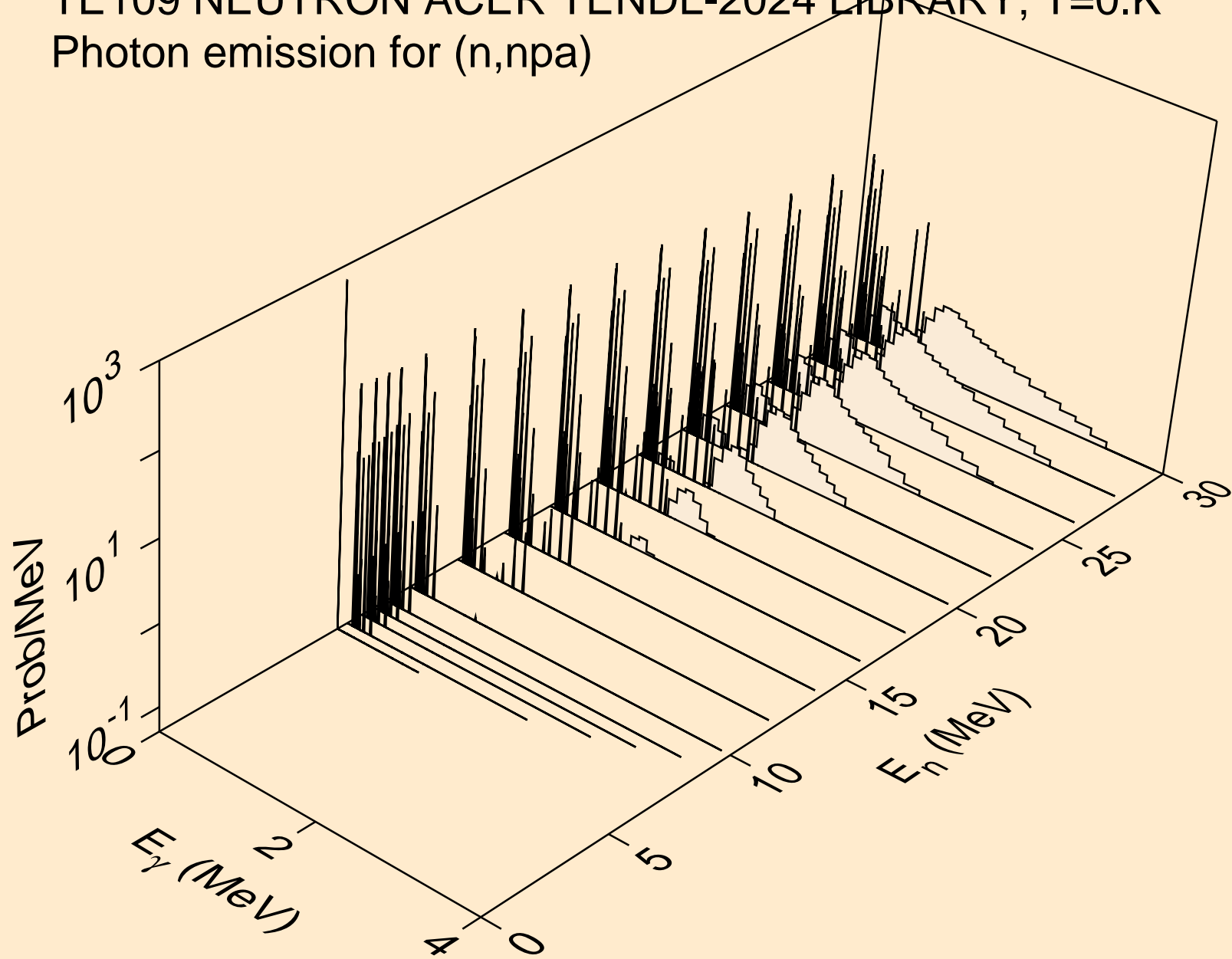
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Photon emission for (n,3np)



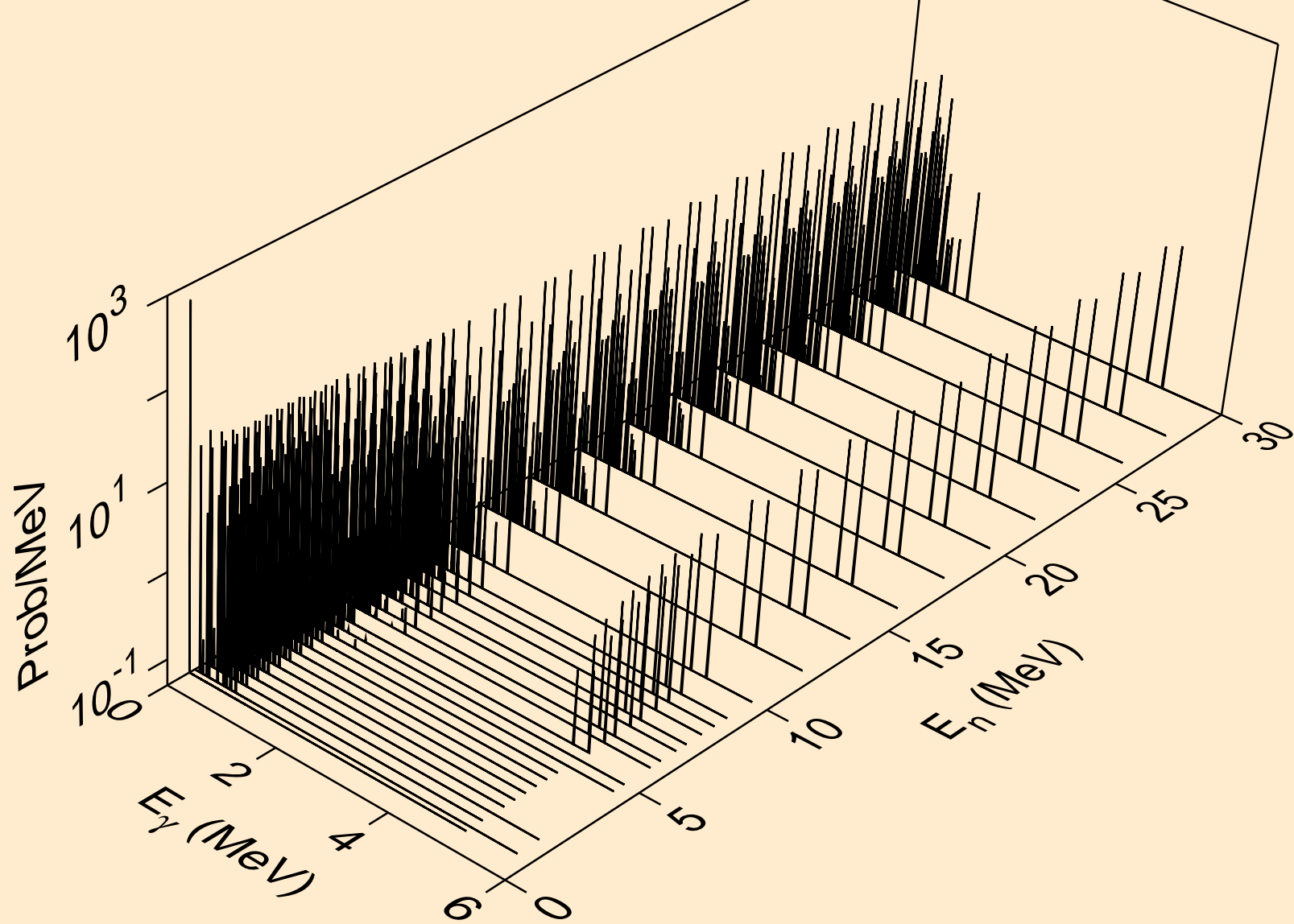
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Photon emission for (n,n2p)



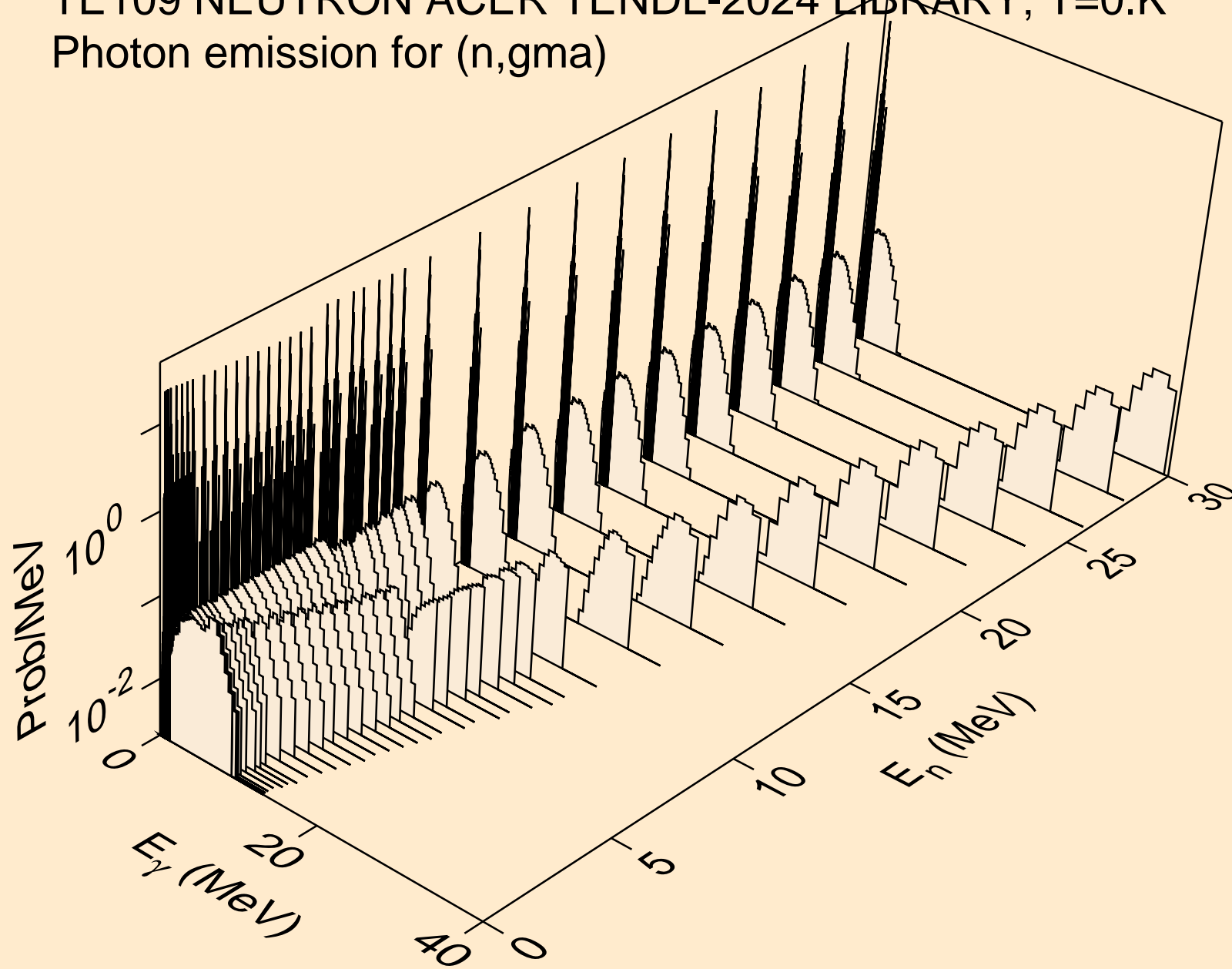
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

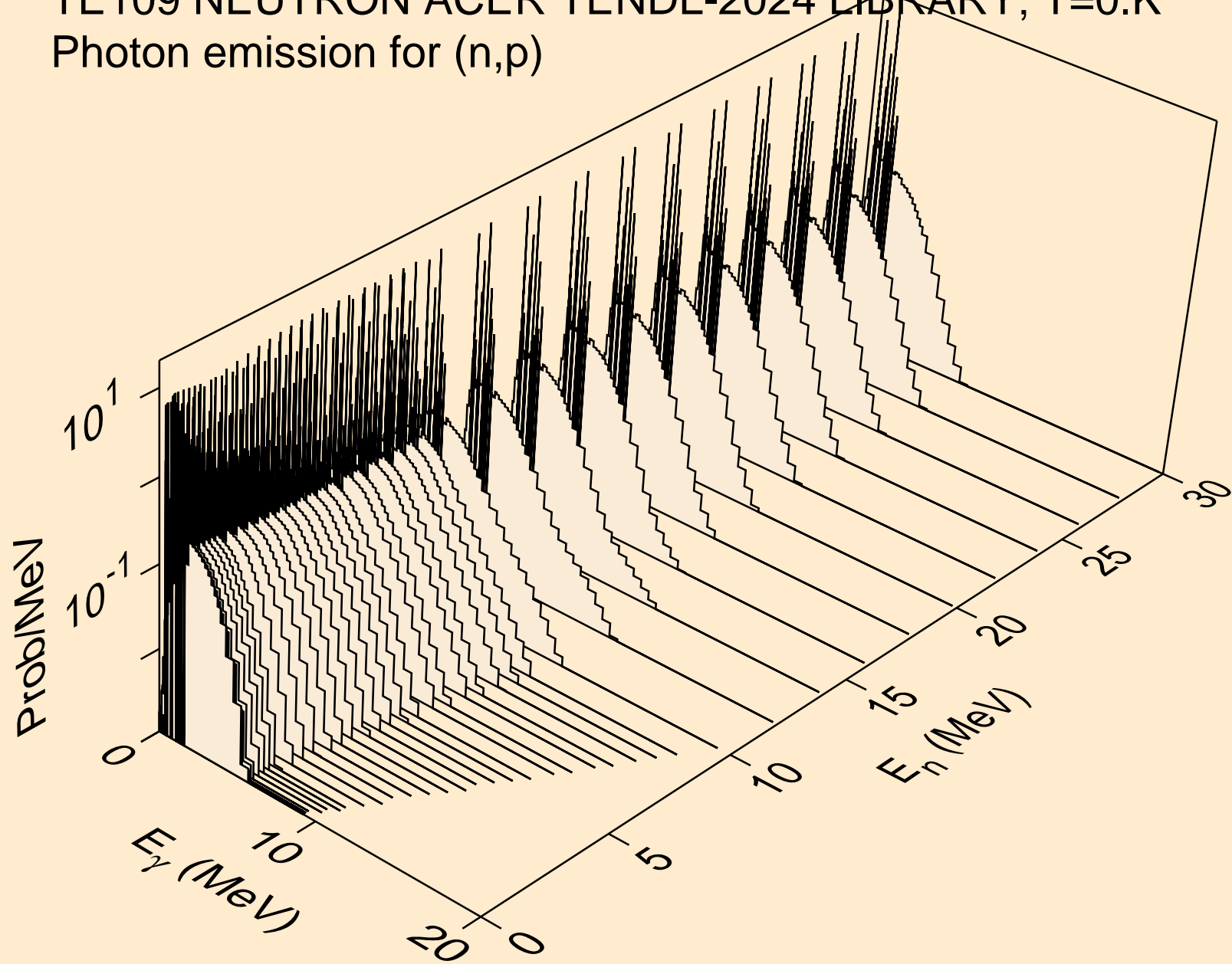


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)

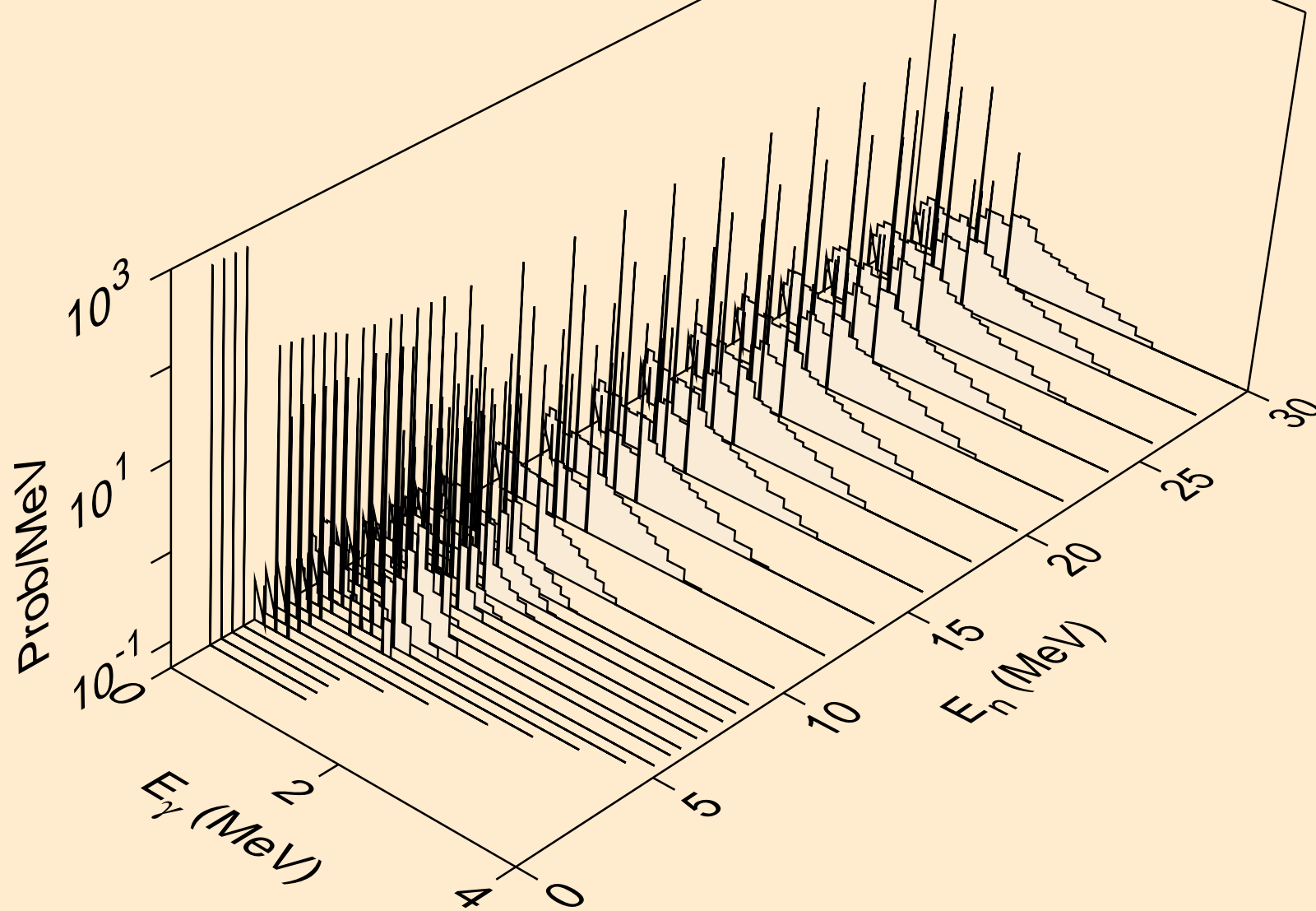




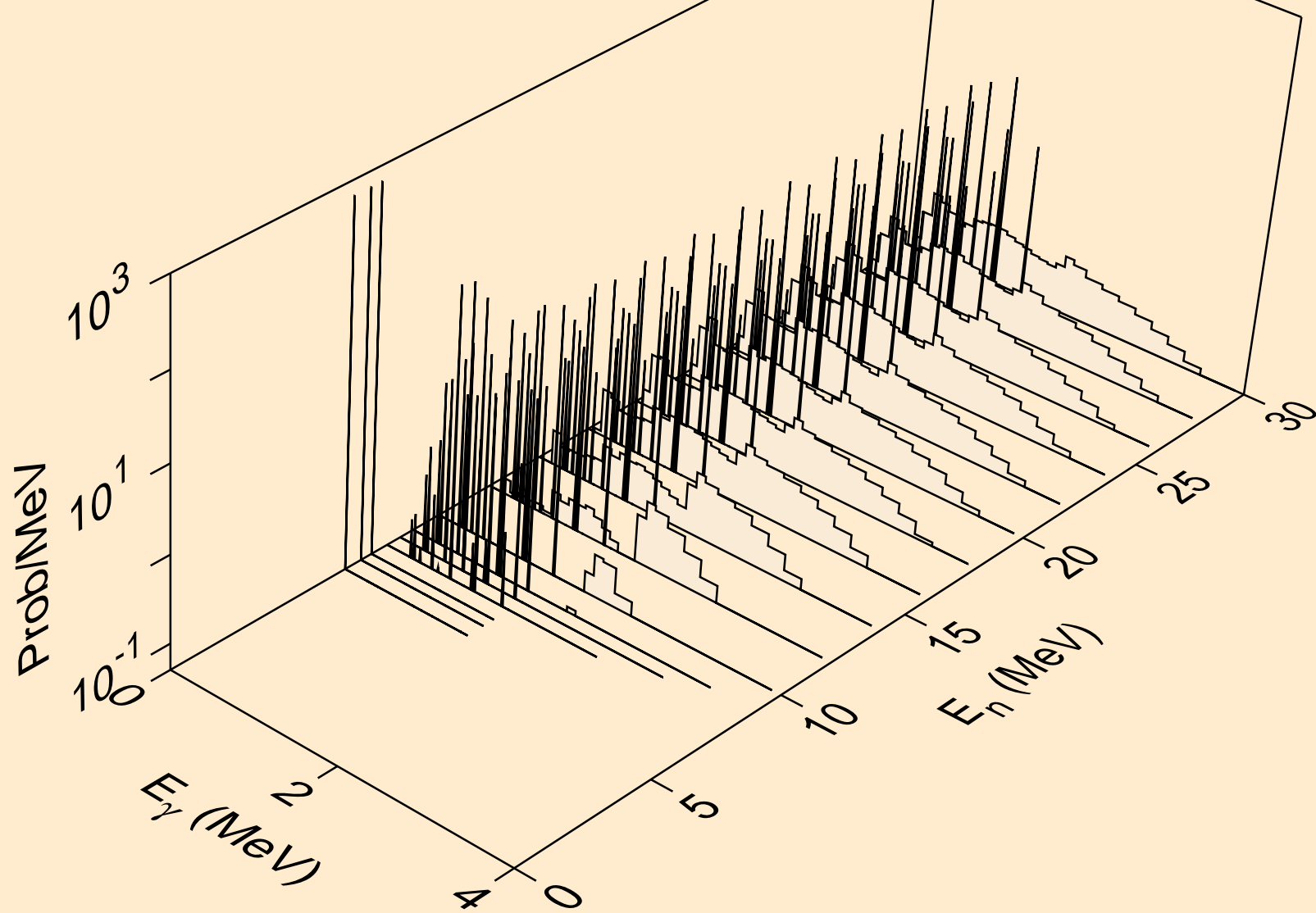
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Photon emission for (n,p)



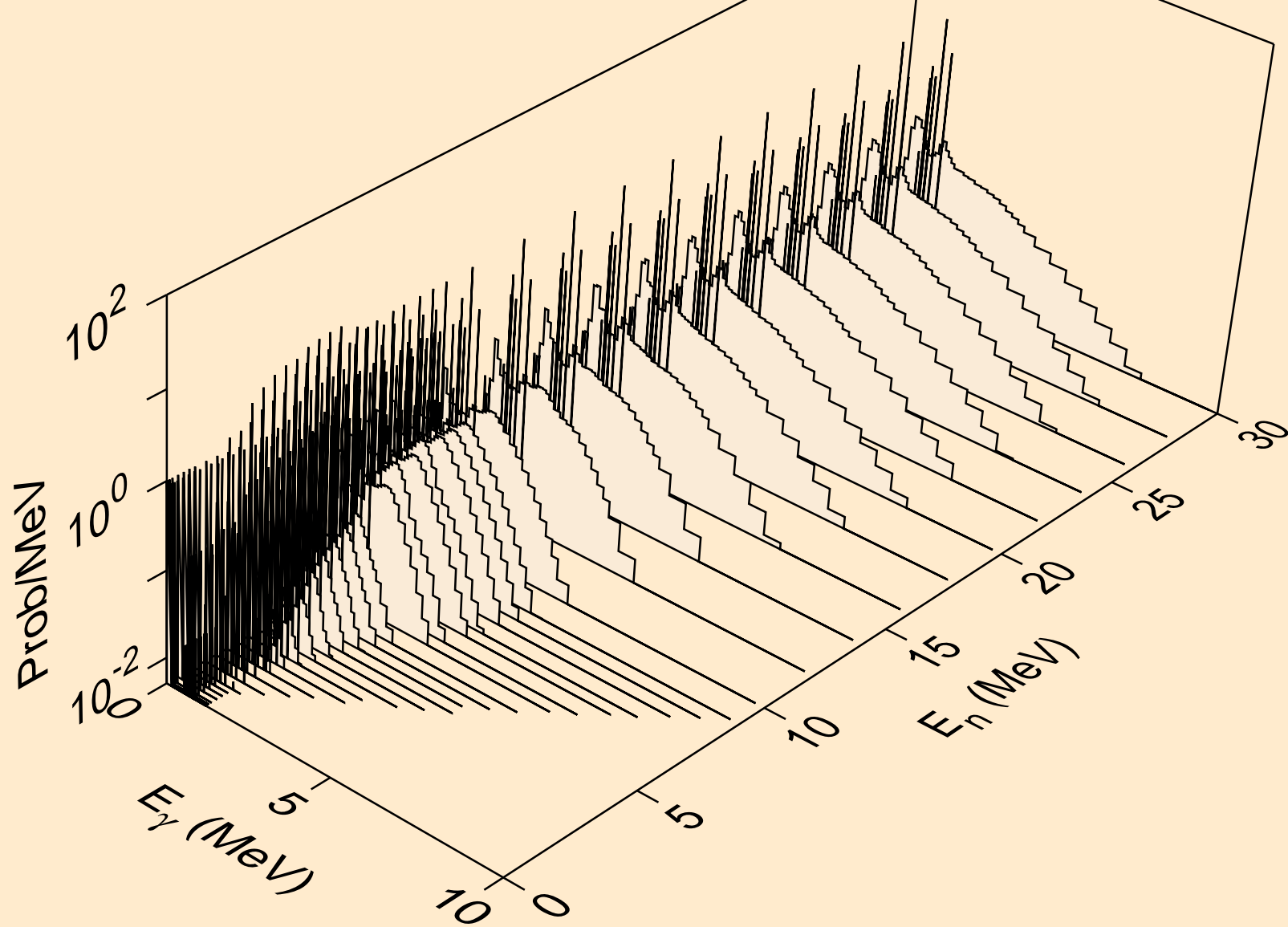
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Photon emission for (n,d)



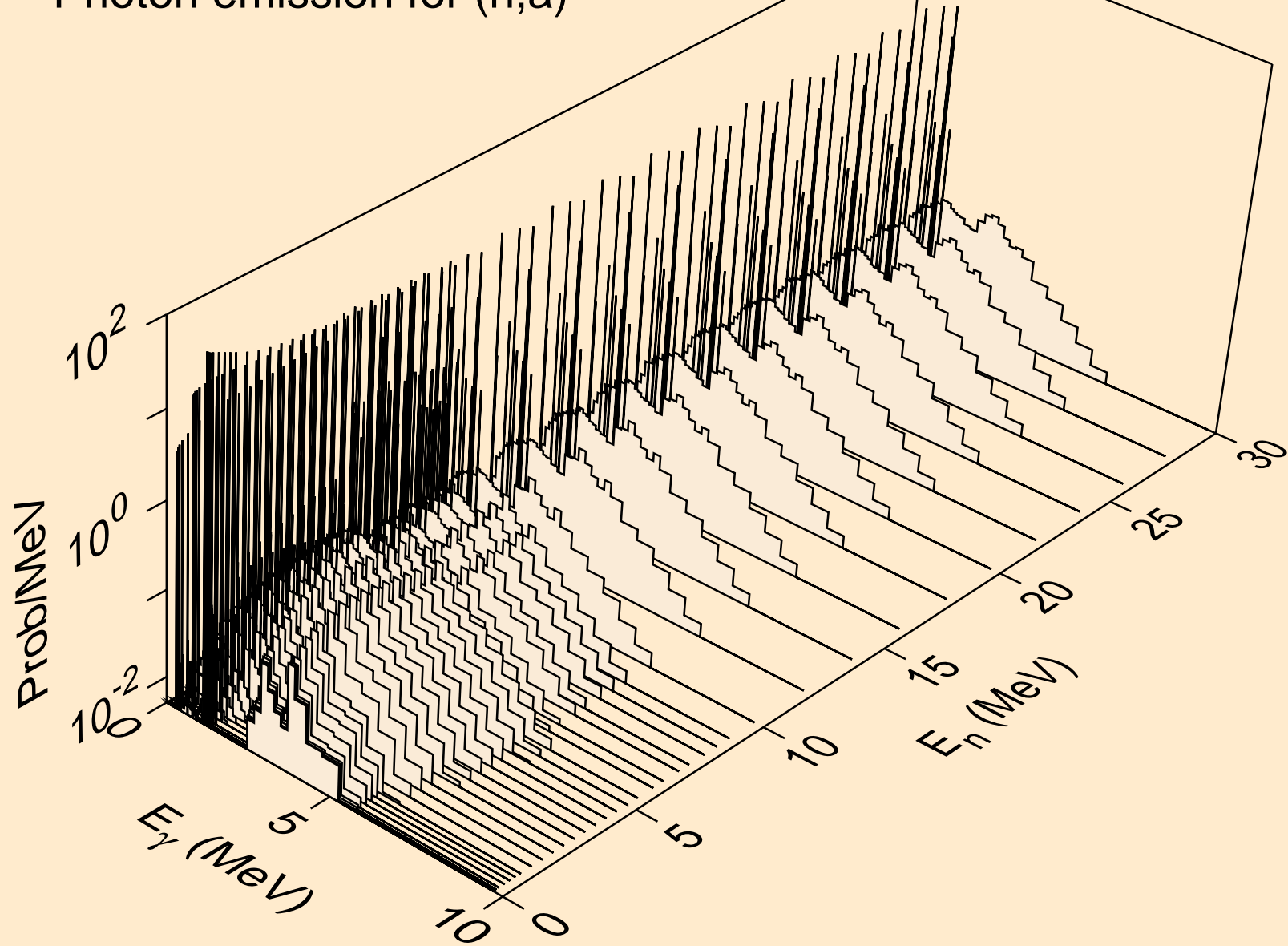
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Photon emission for (n,t)



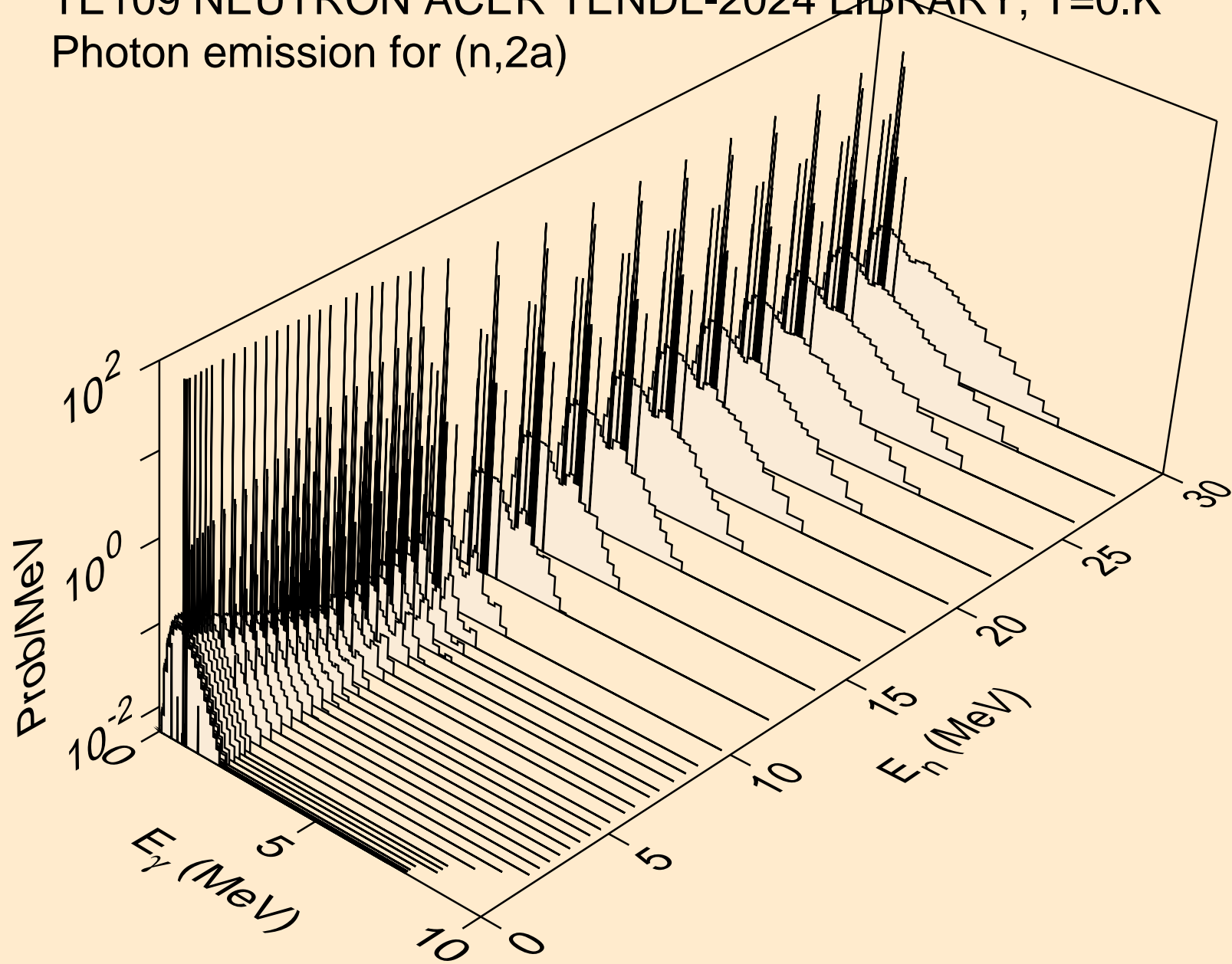
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



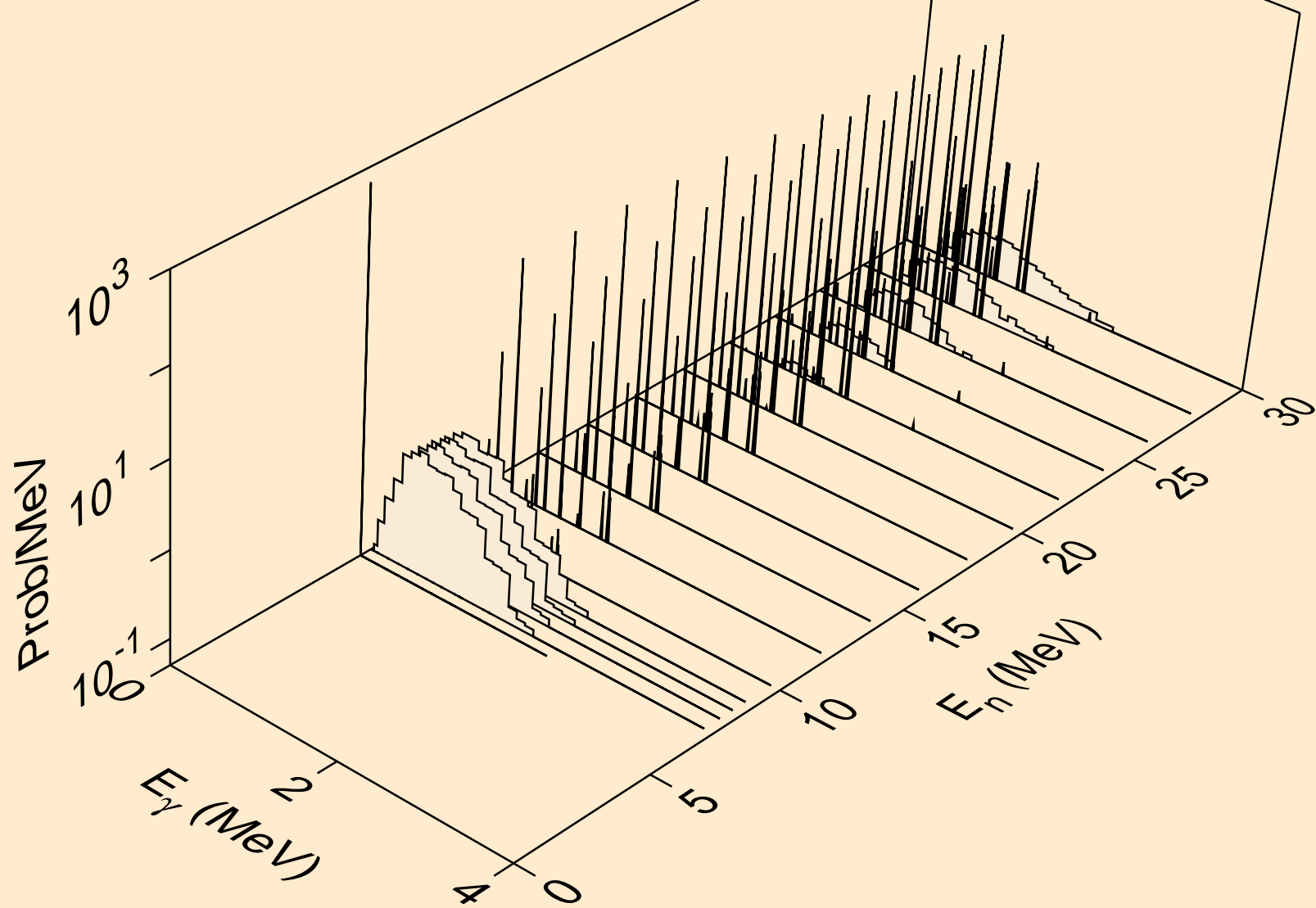
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



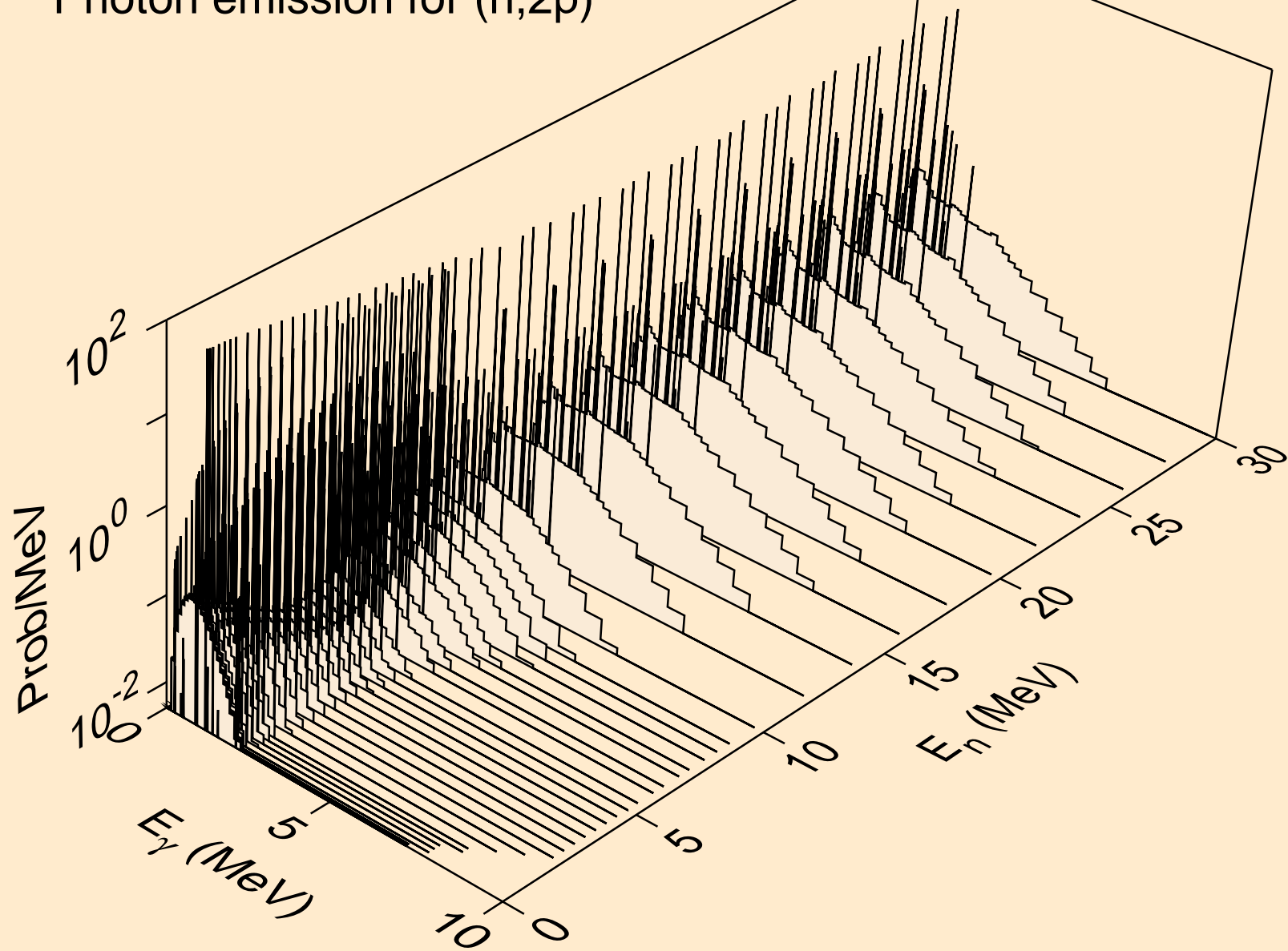
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

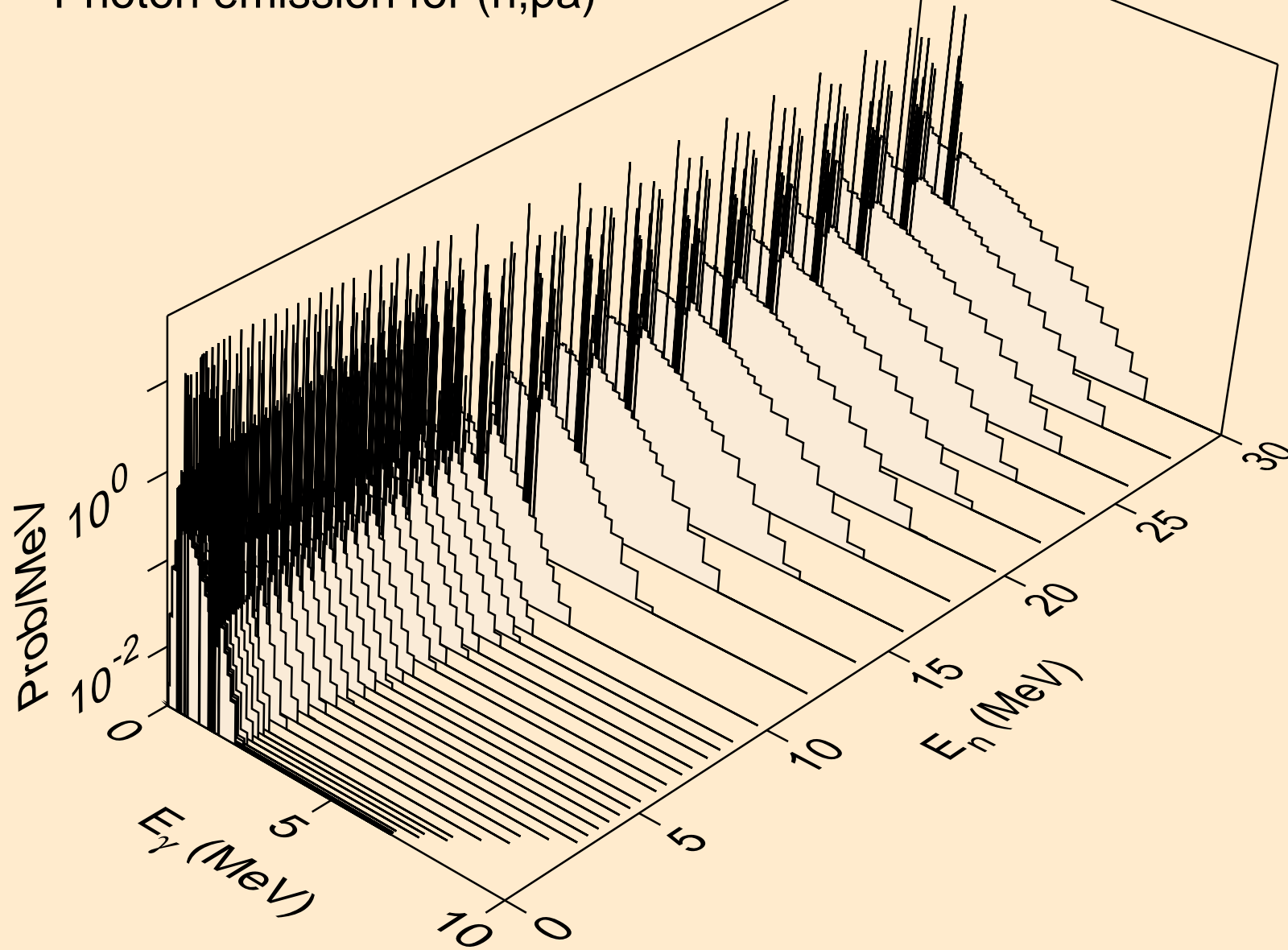


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

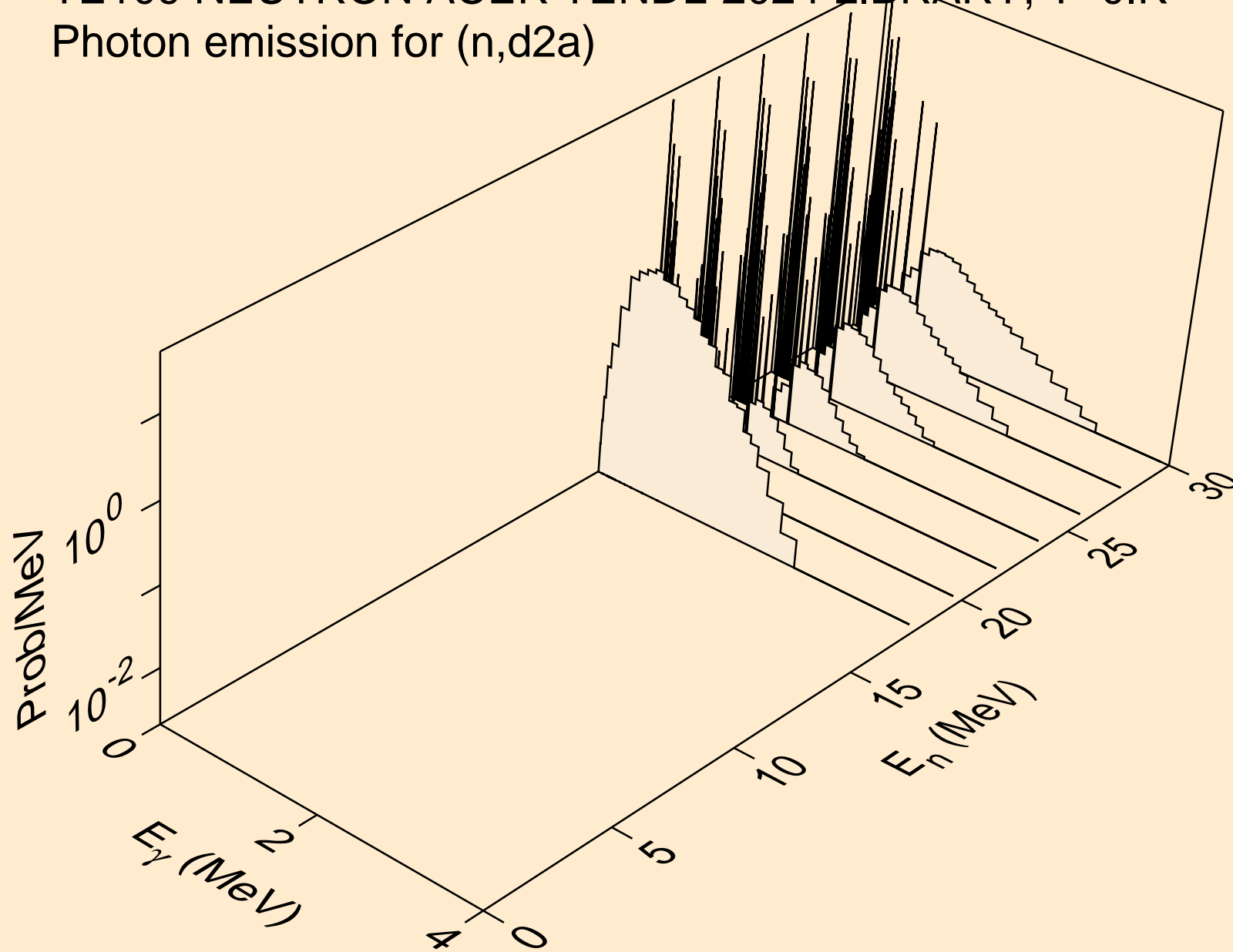




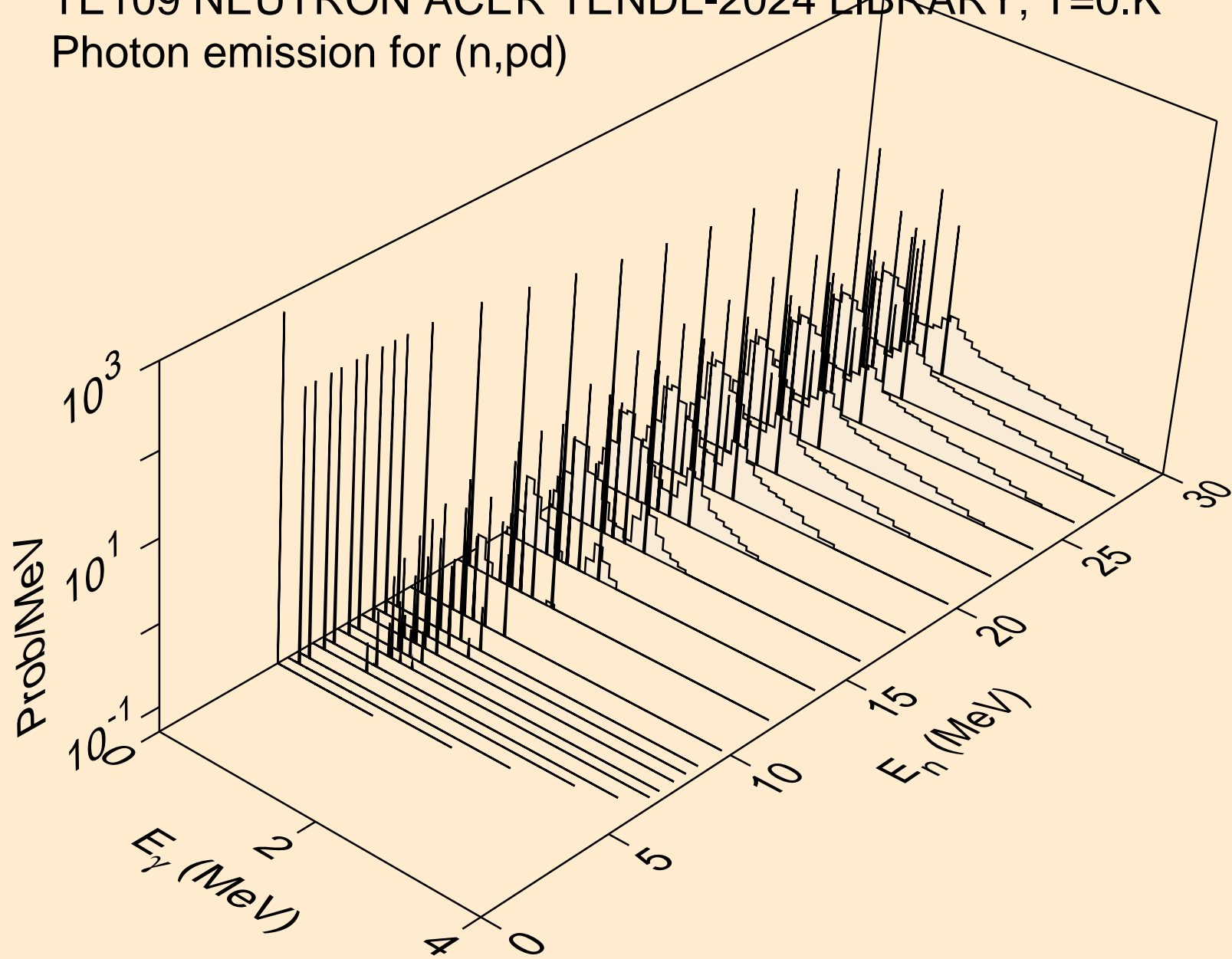
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



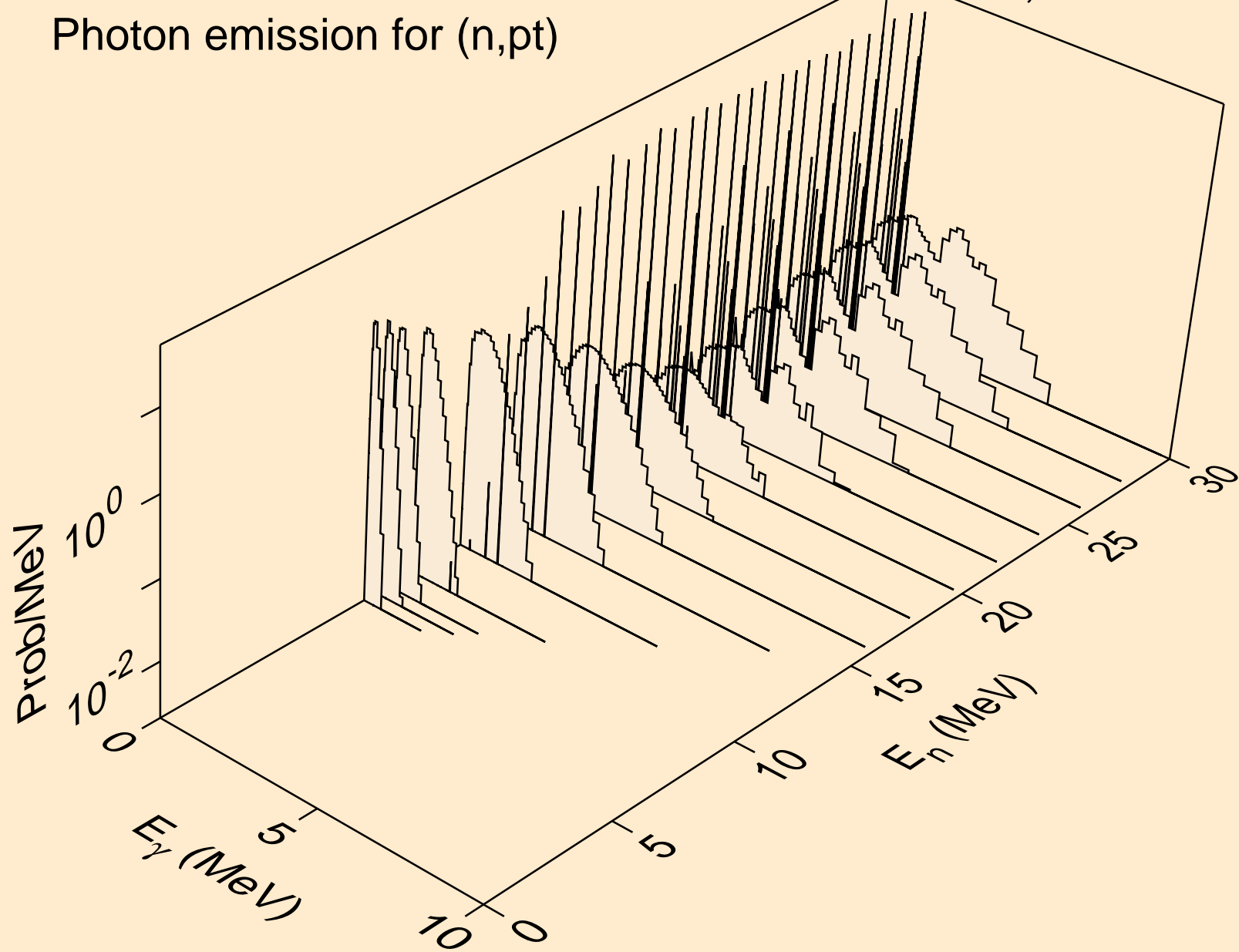
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



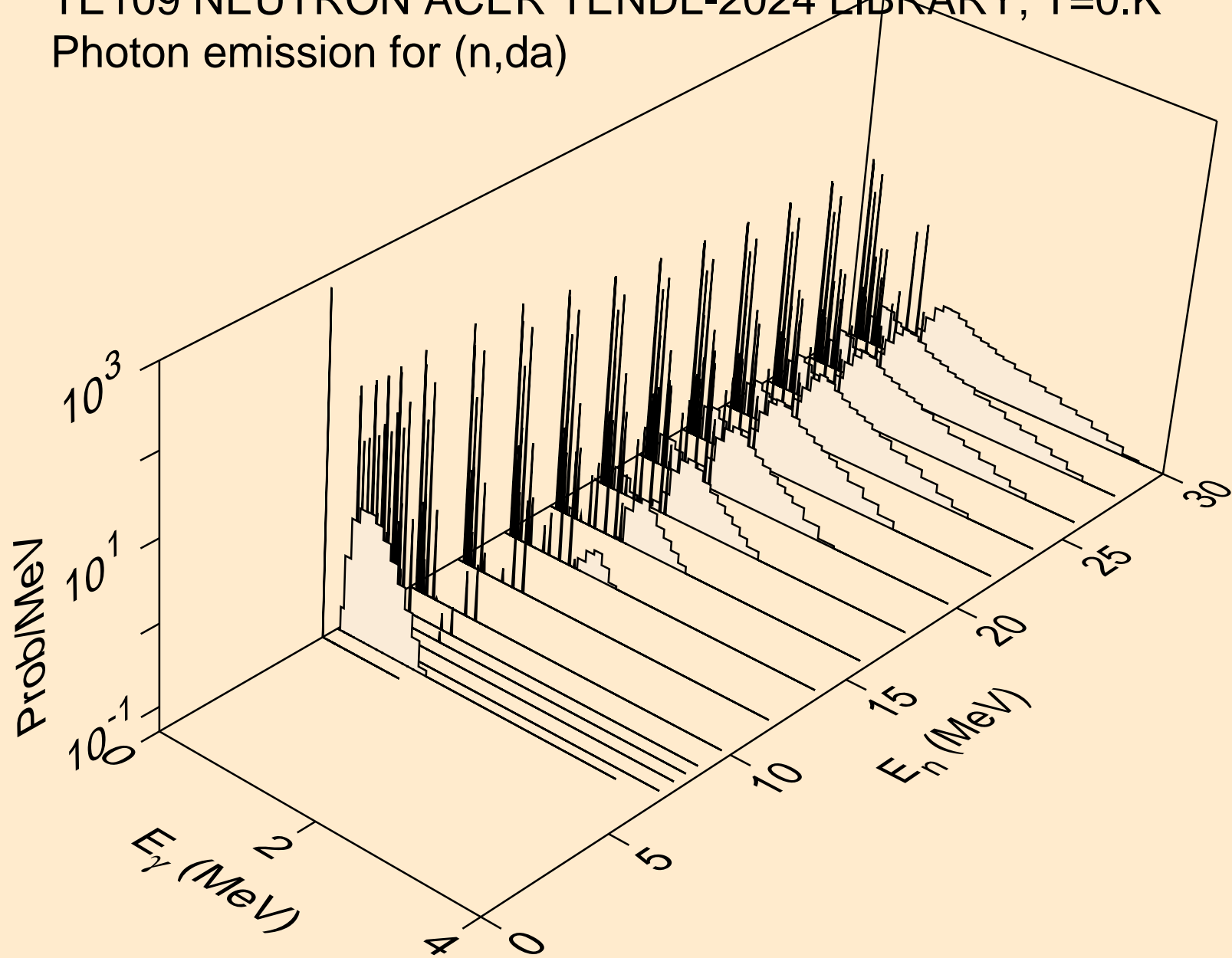
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



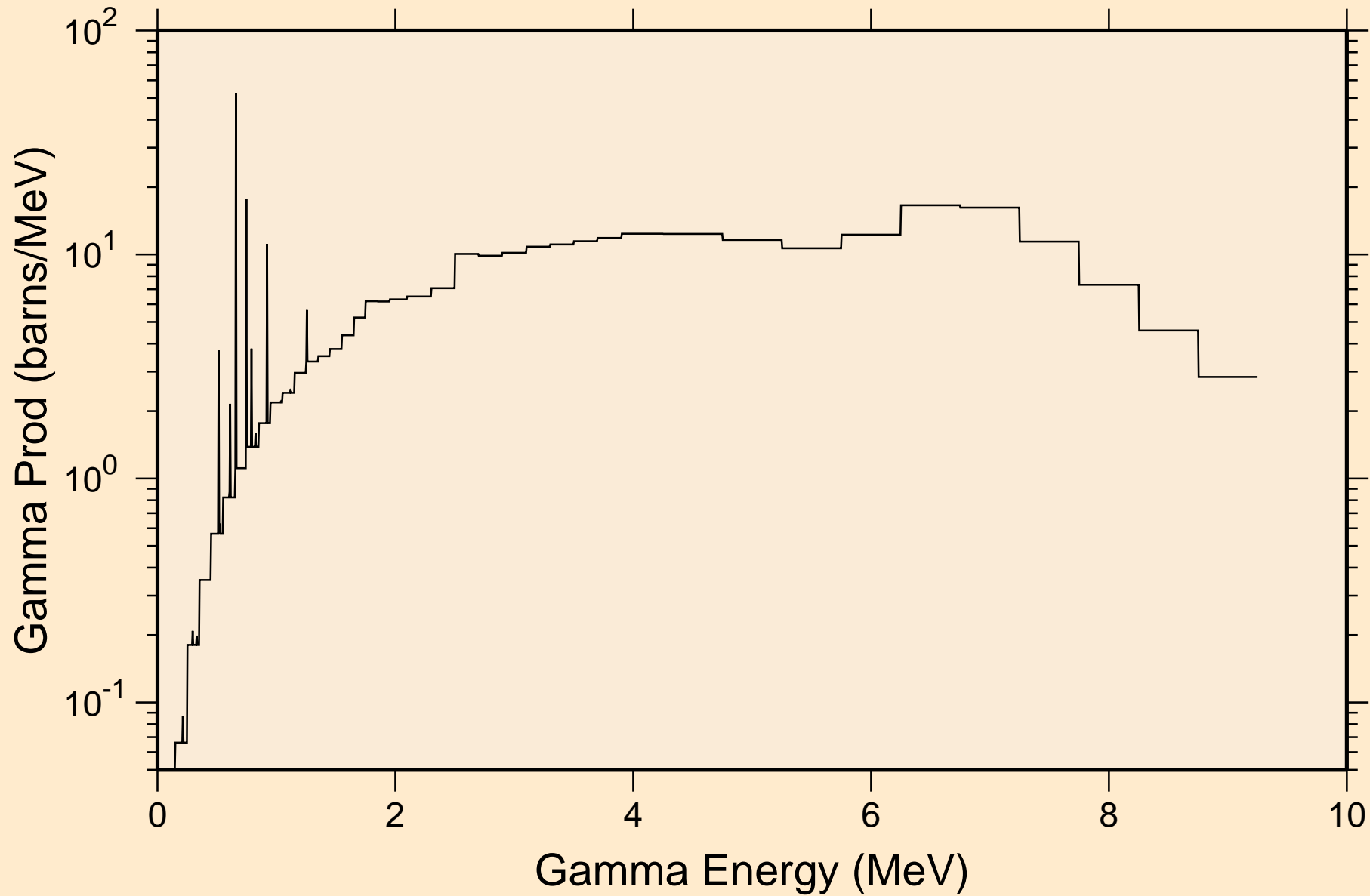
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



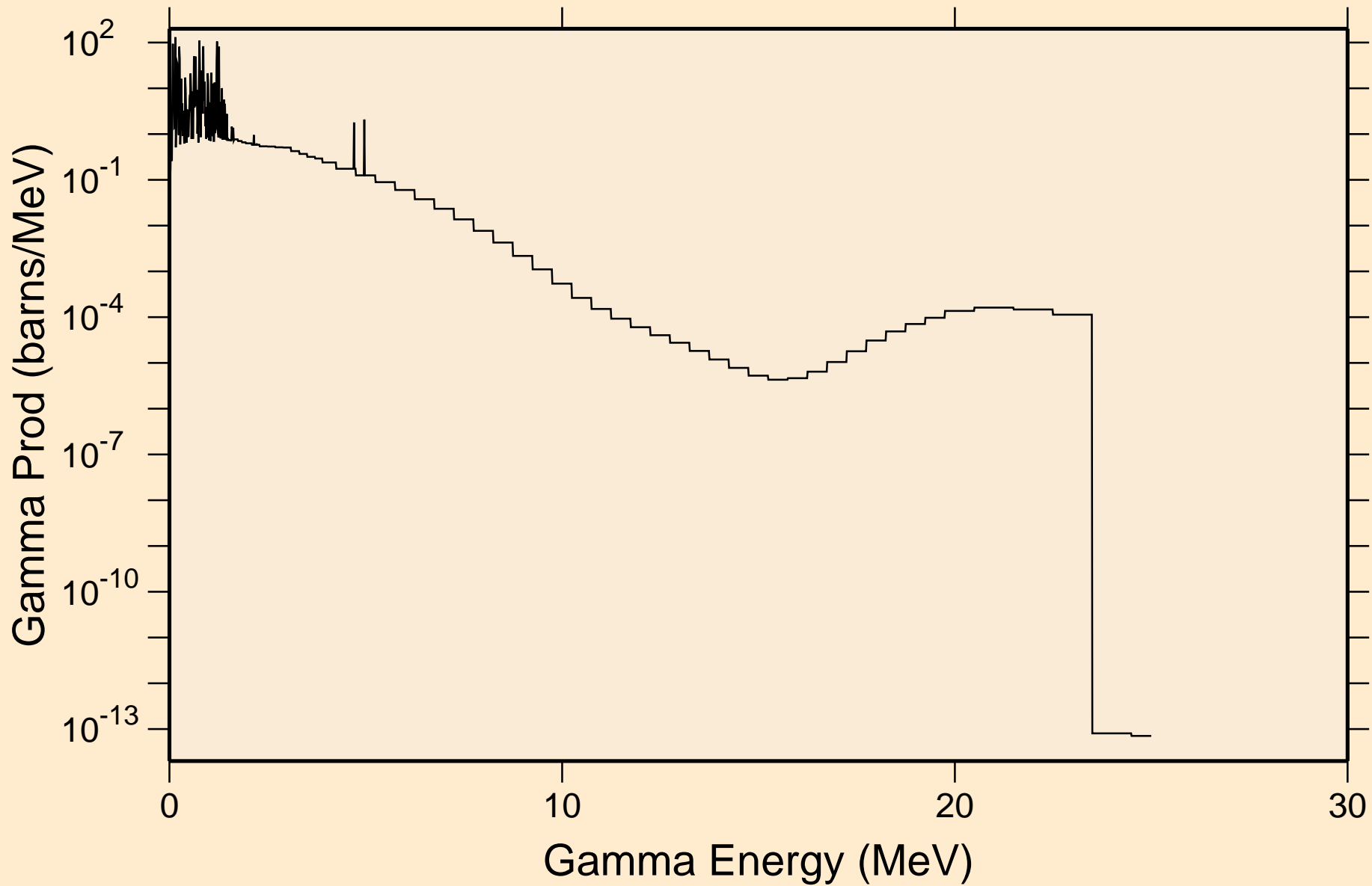
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

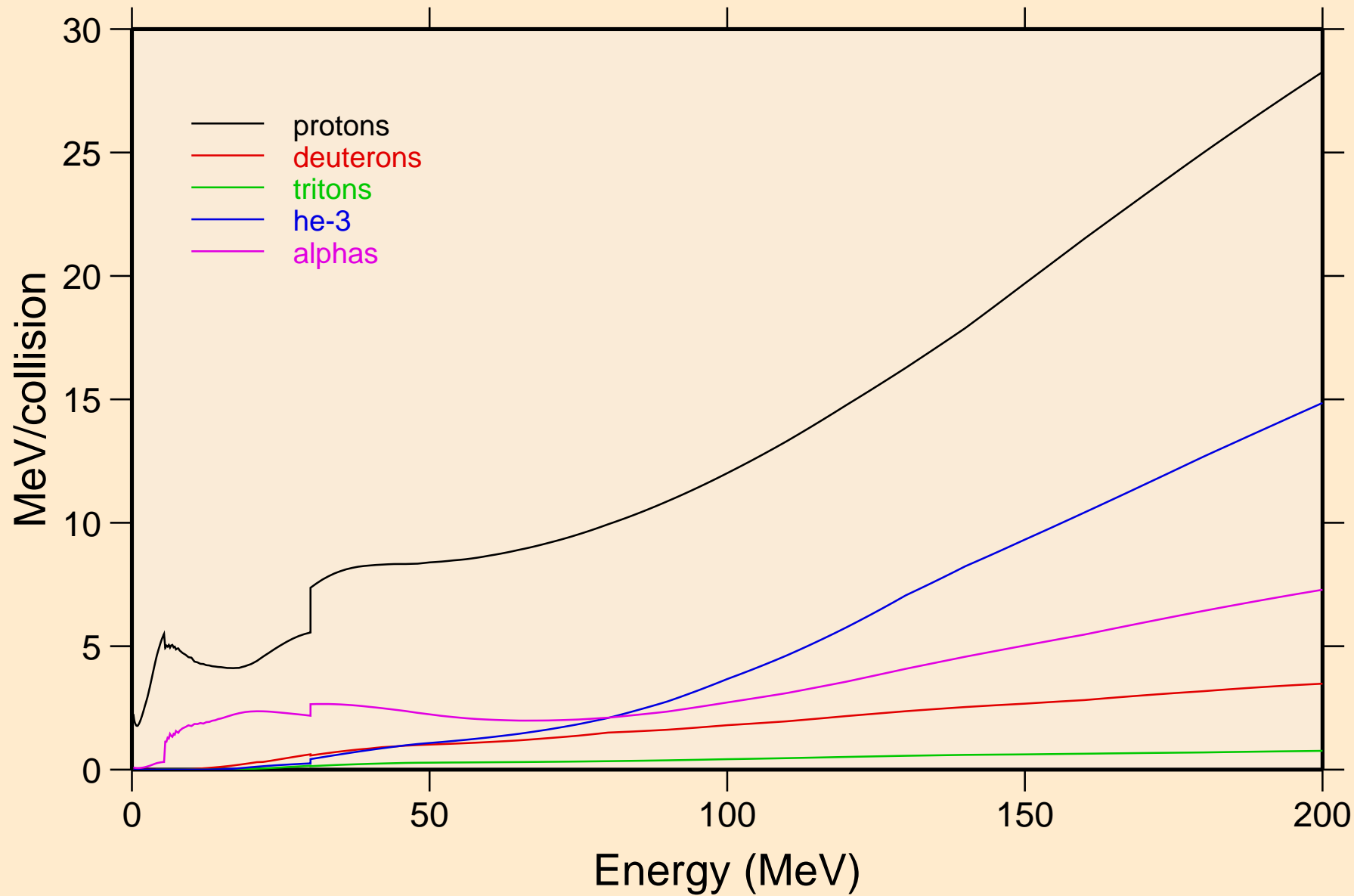


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



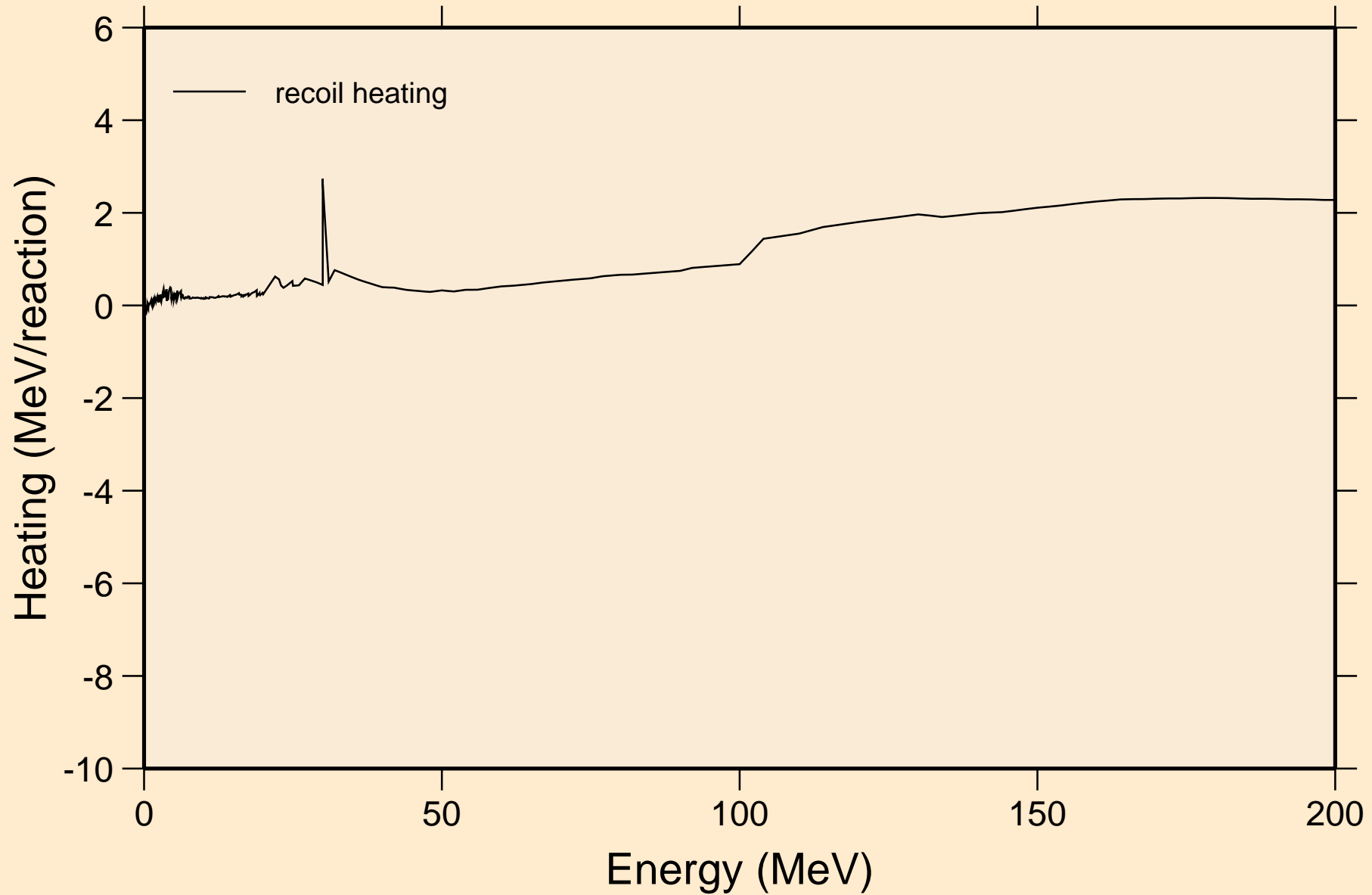
# TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



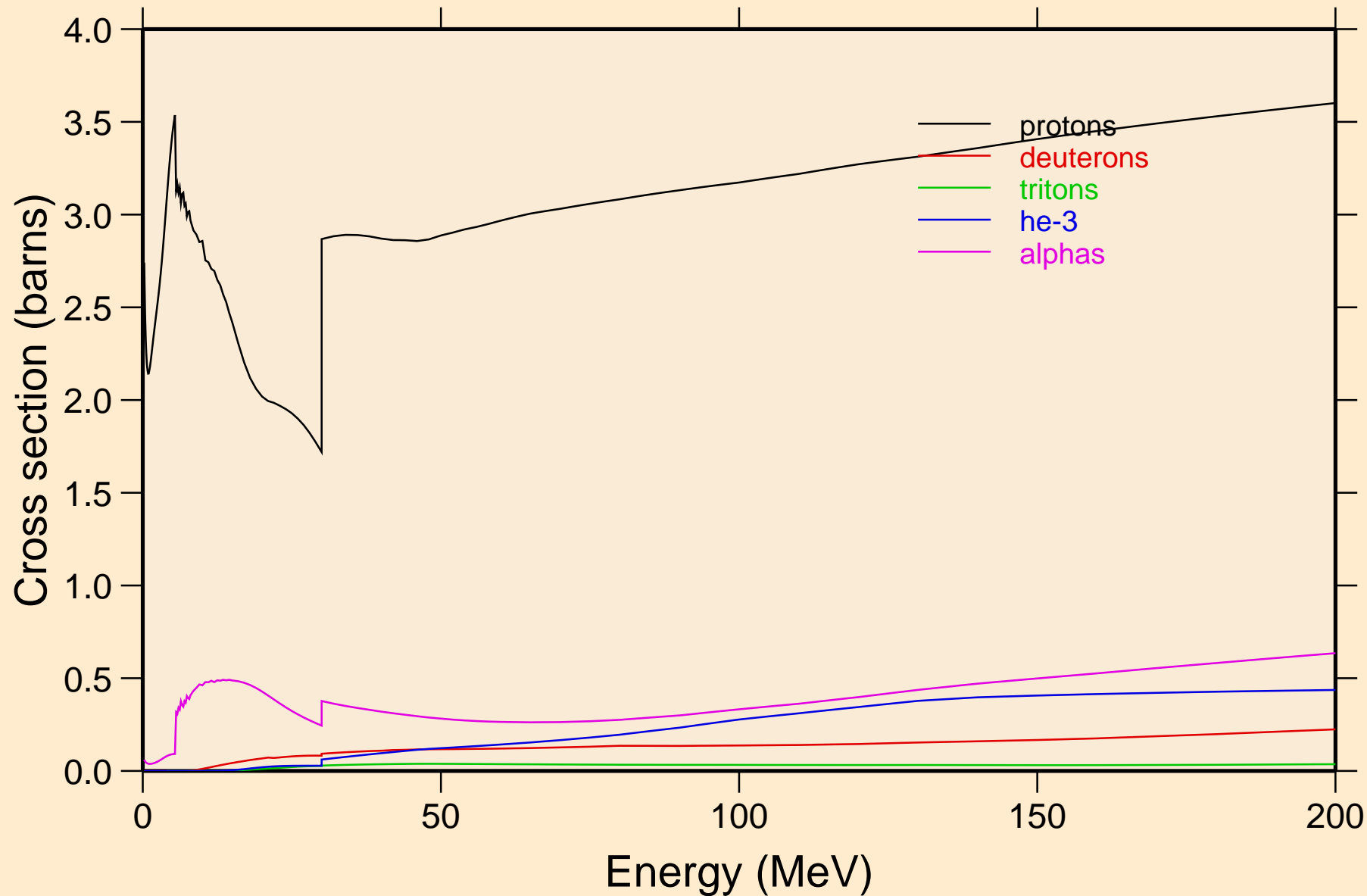


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

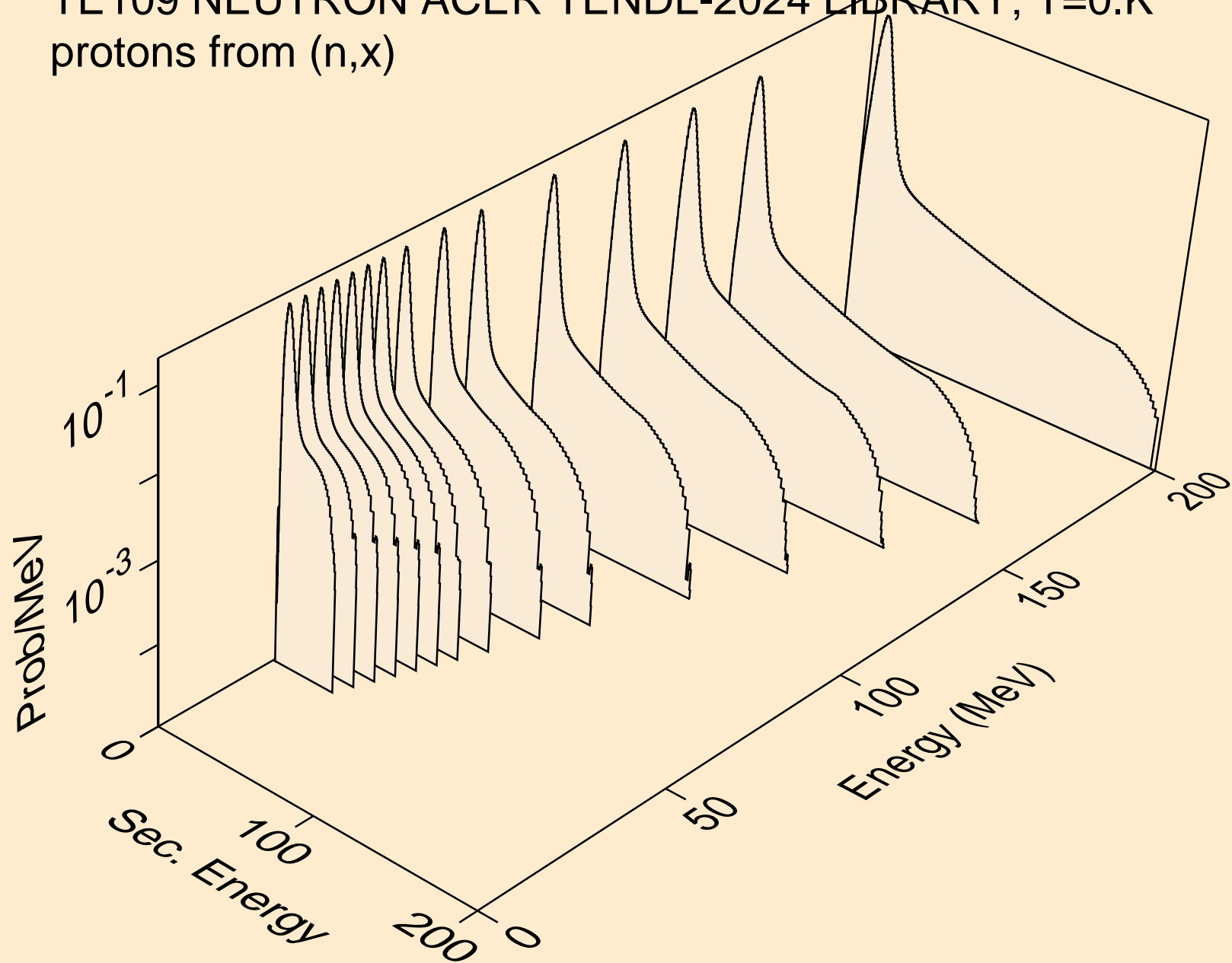


# TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

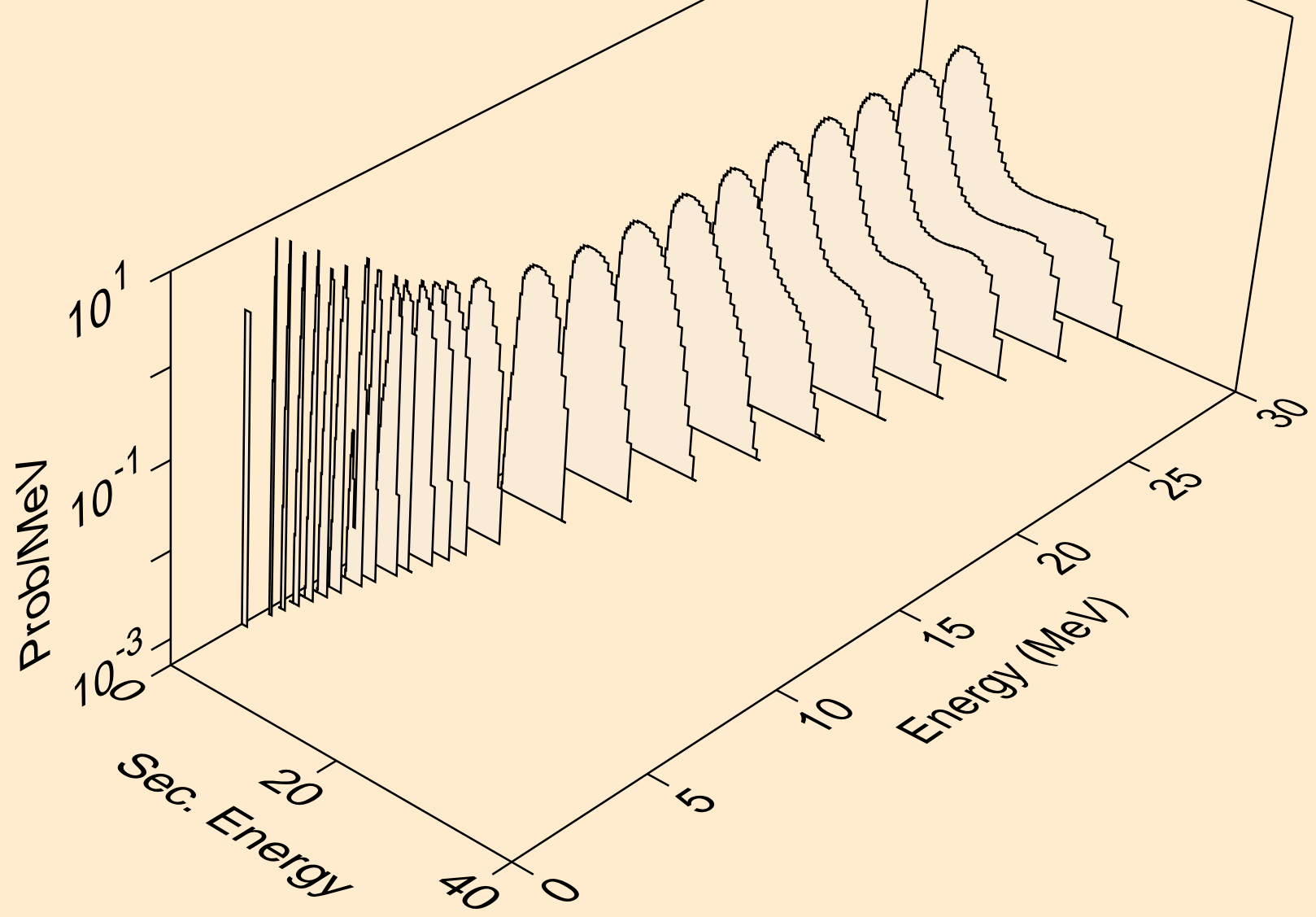
## Particle production cross sections



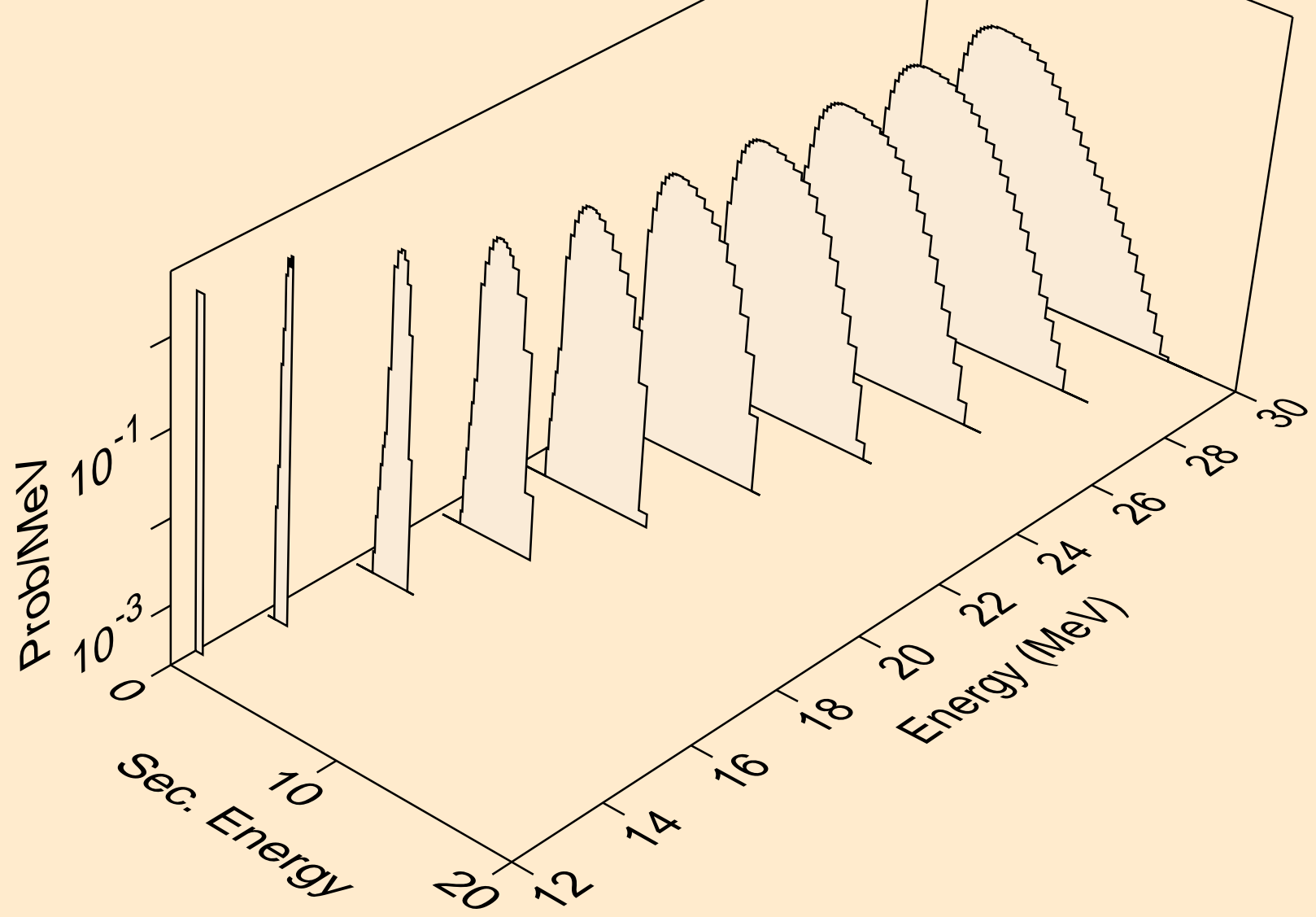
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



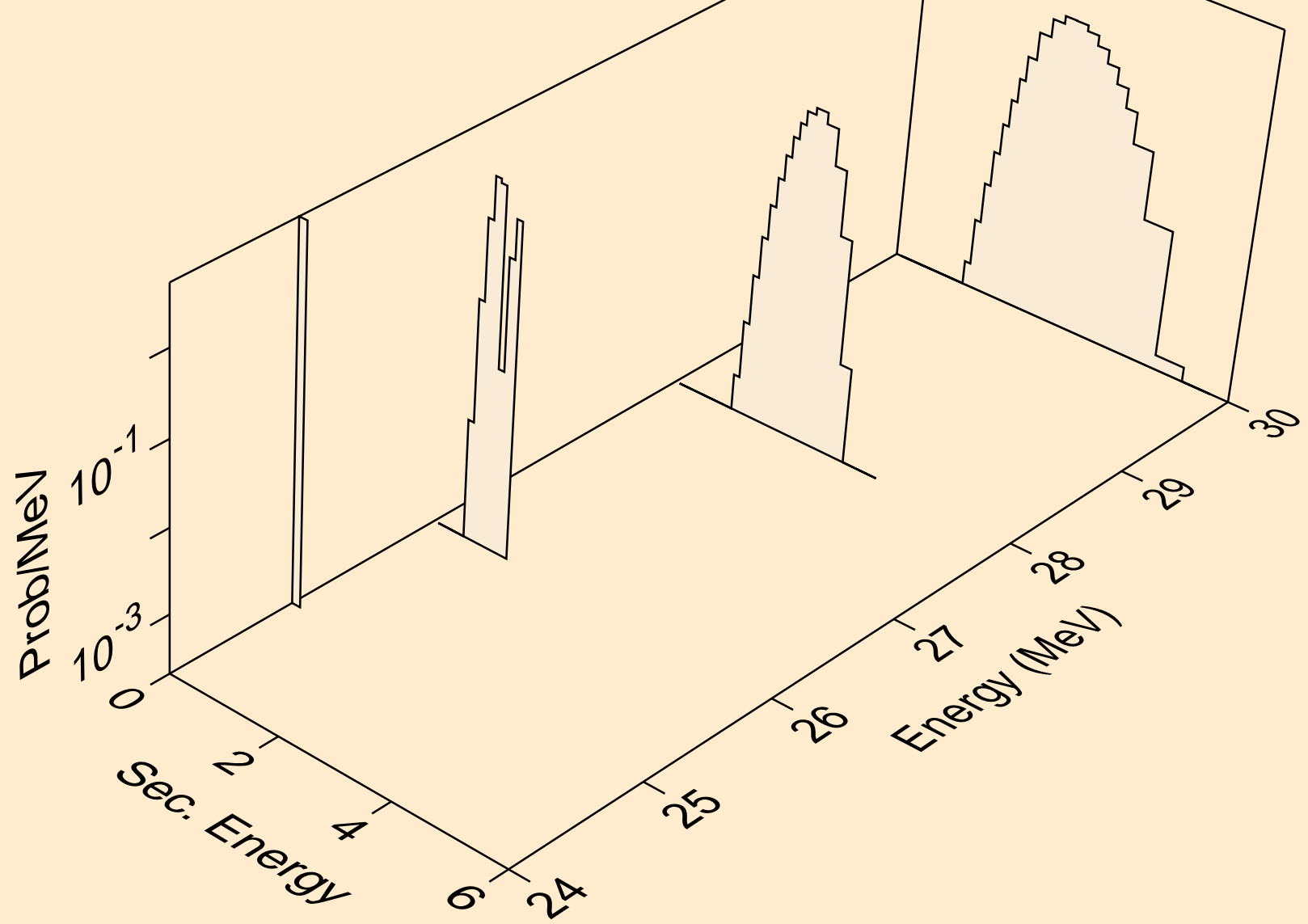
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



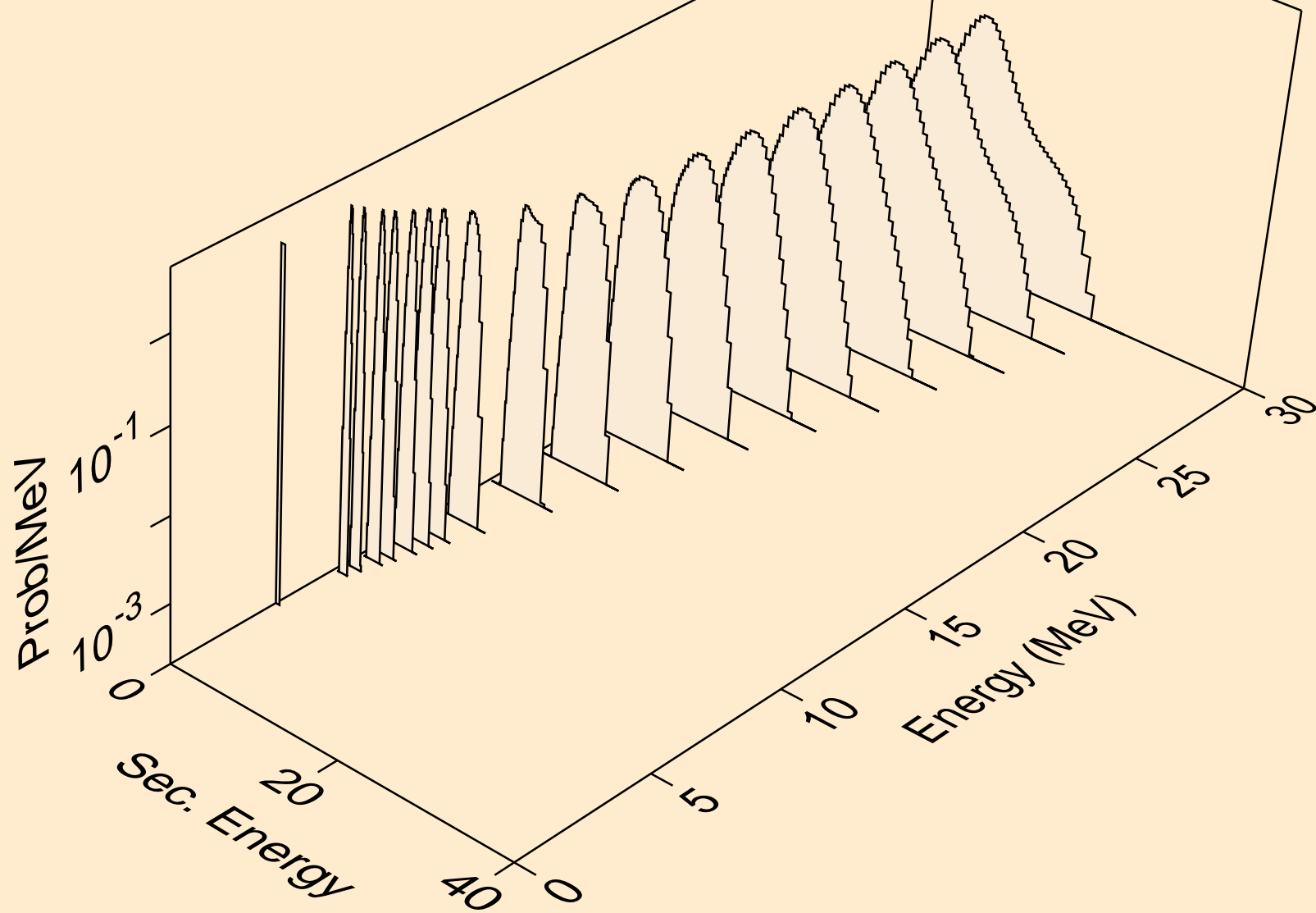
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



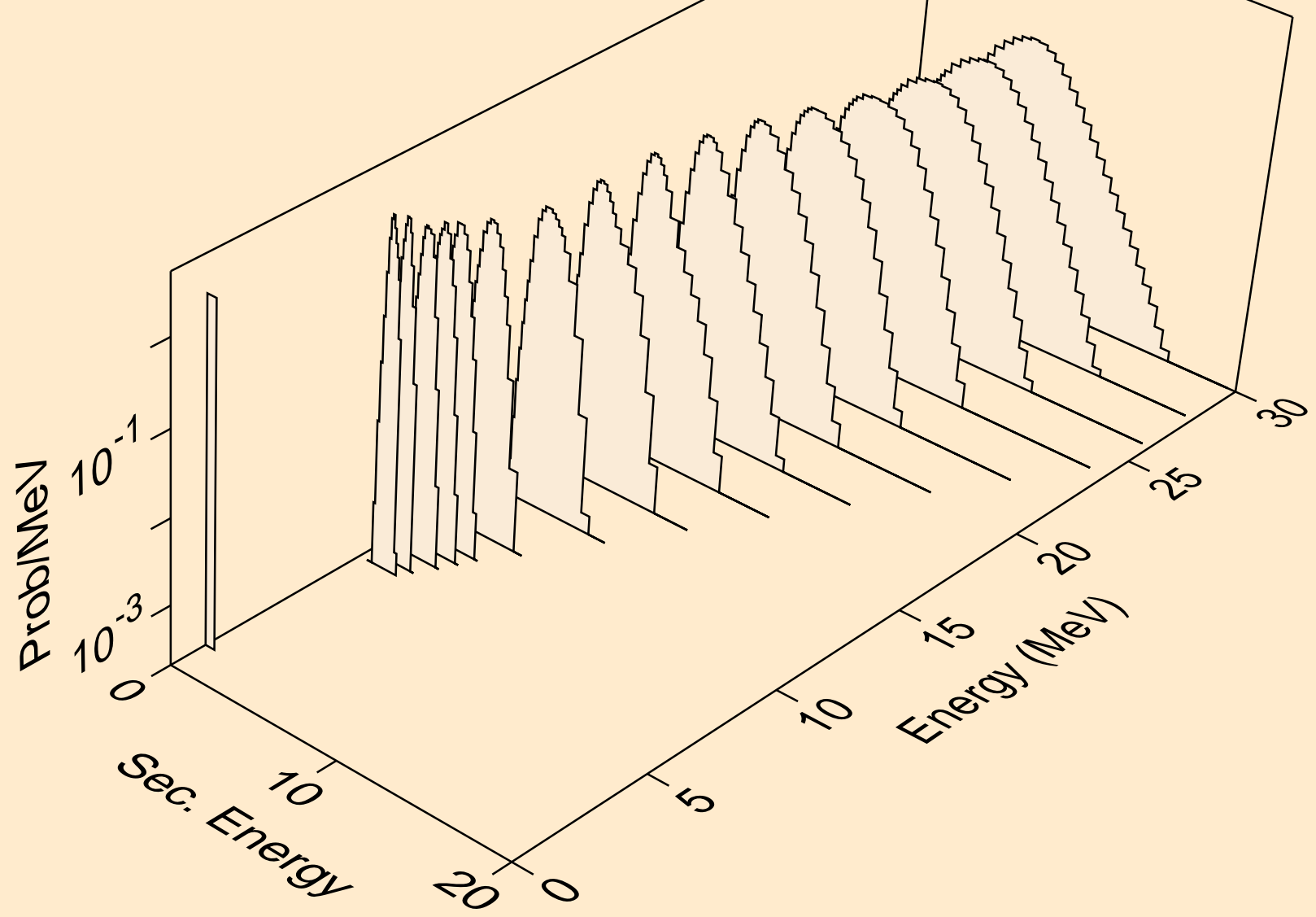
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

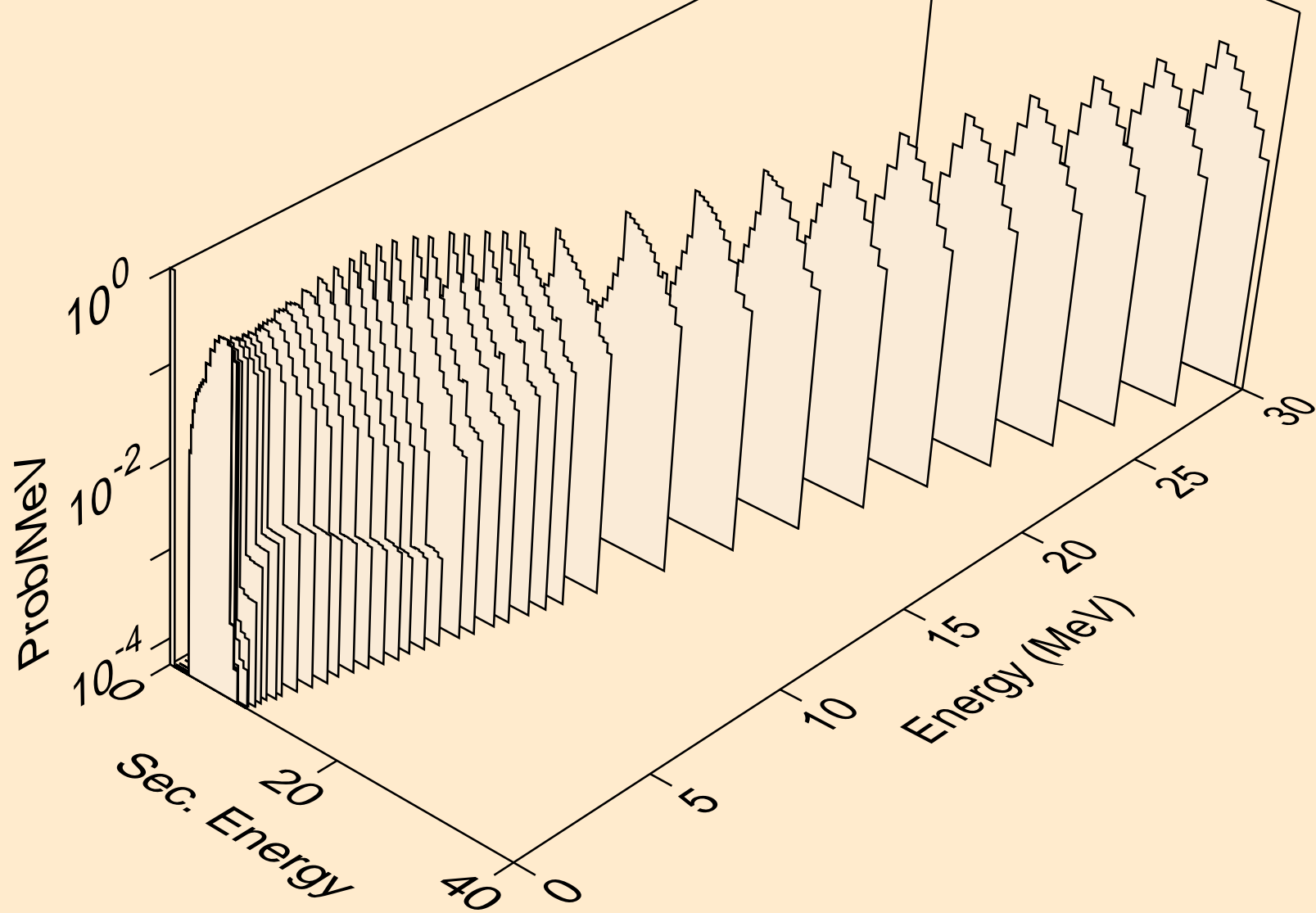


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

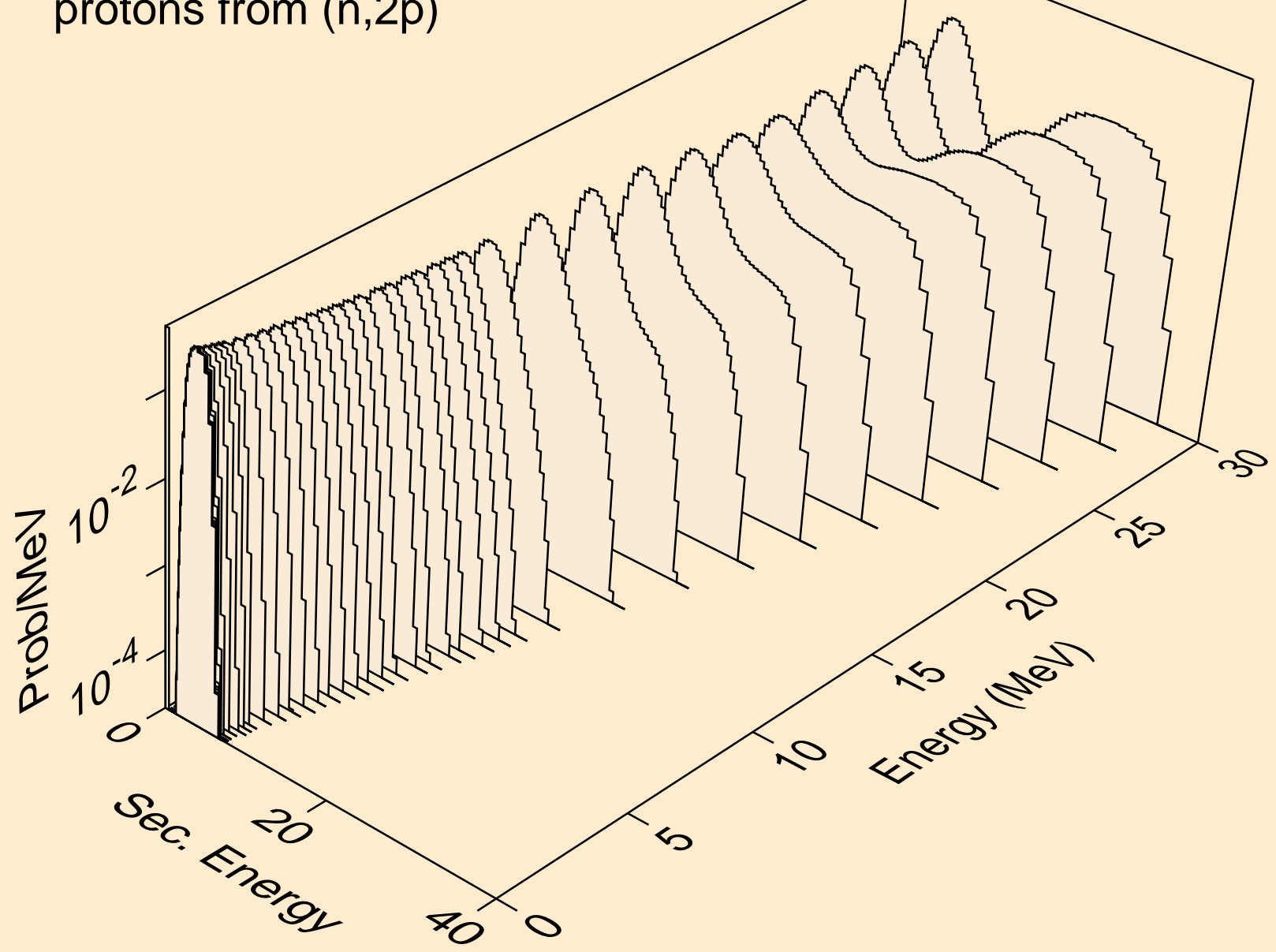




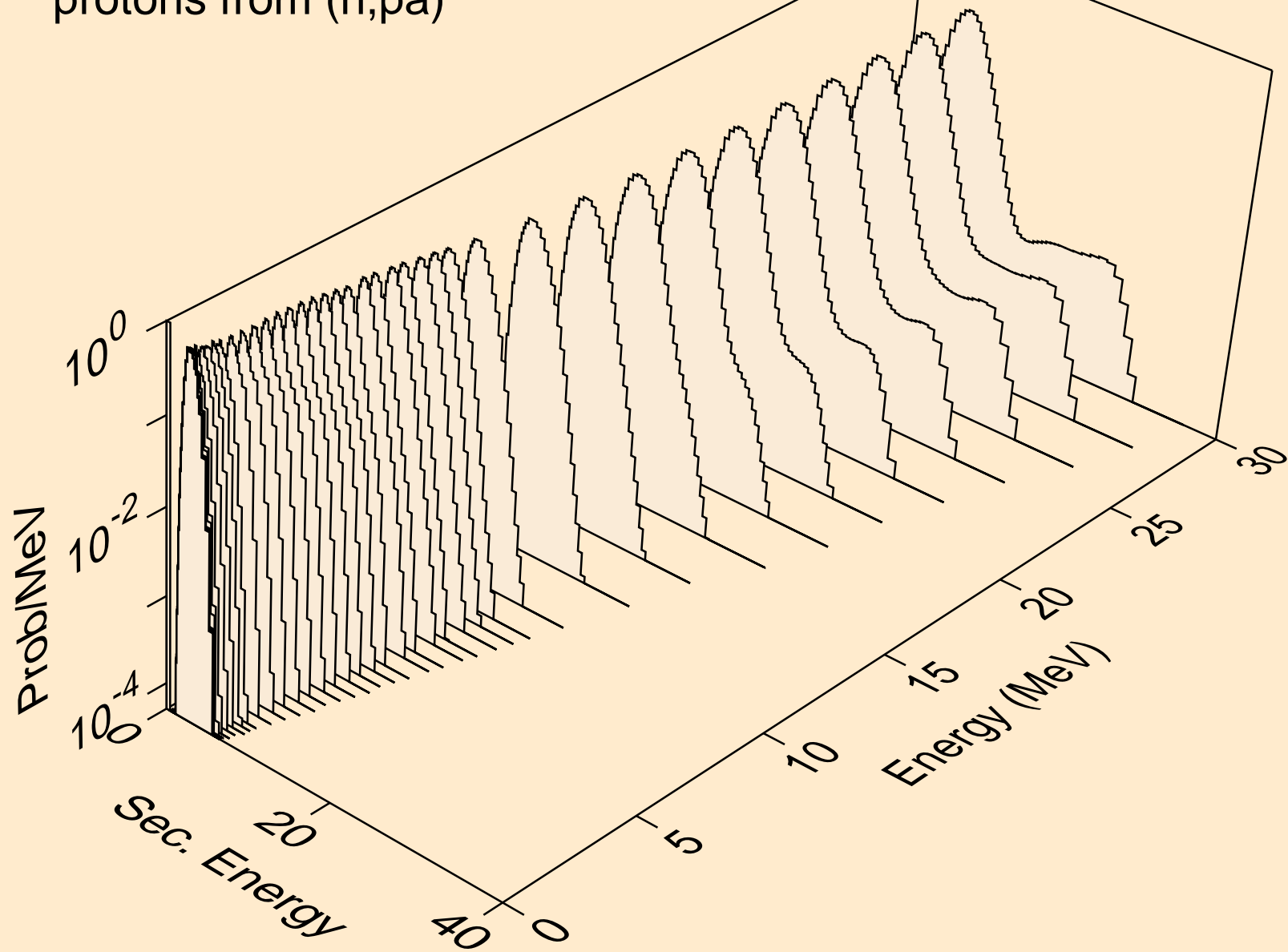
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protons from (n,p)



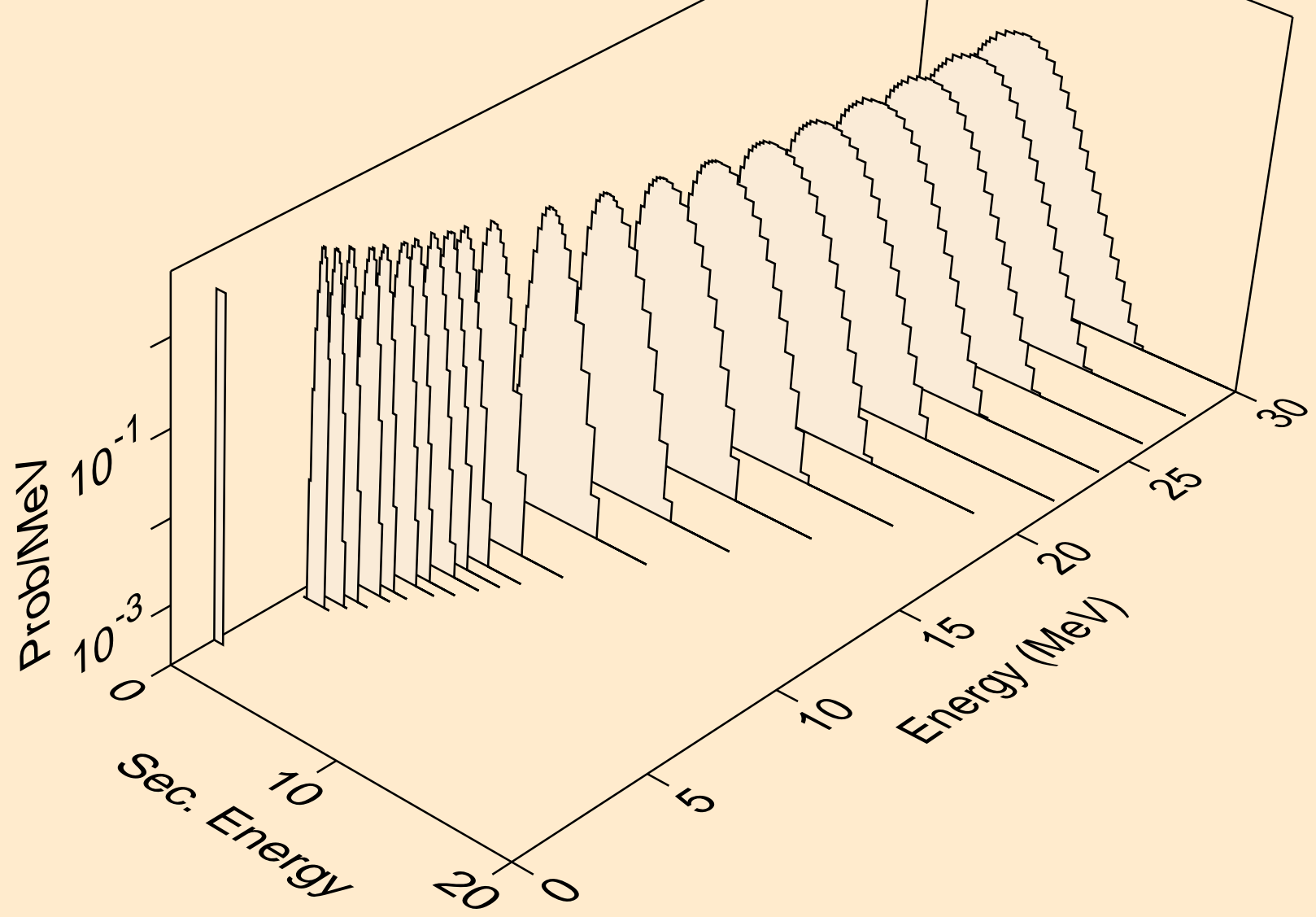
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)



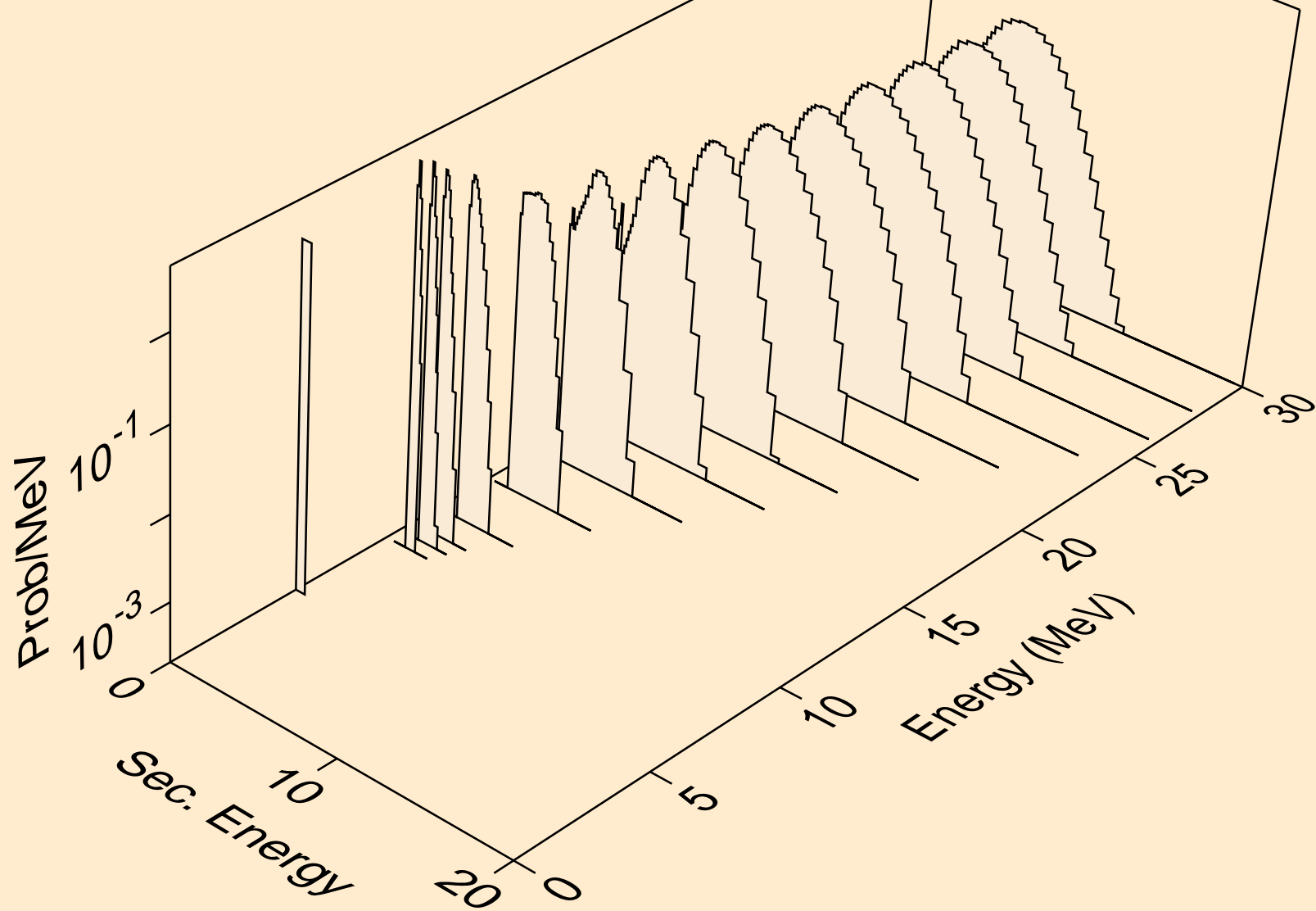
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protons from (n,p)



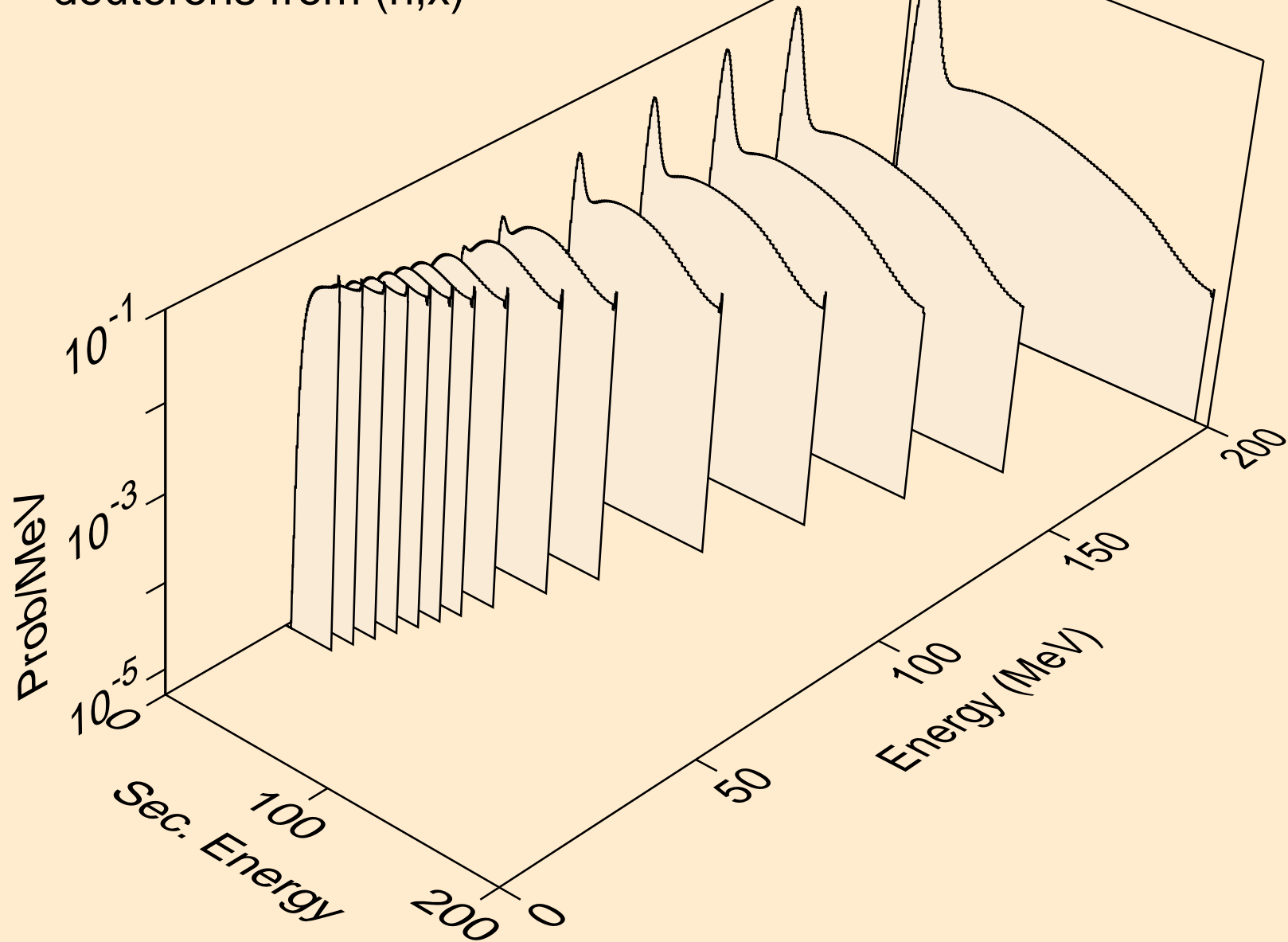
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protons from (n,pd)



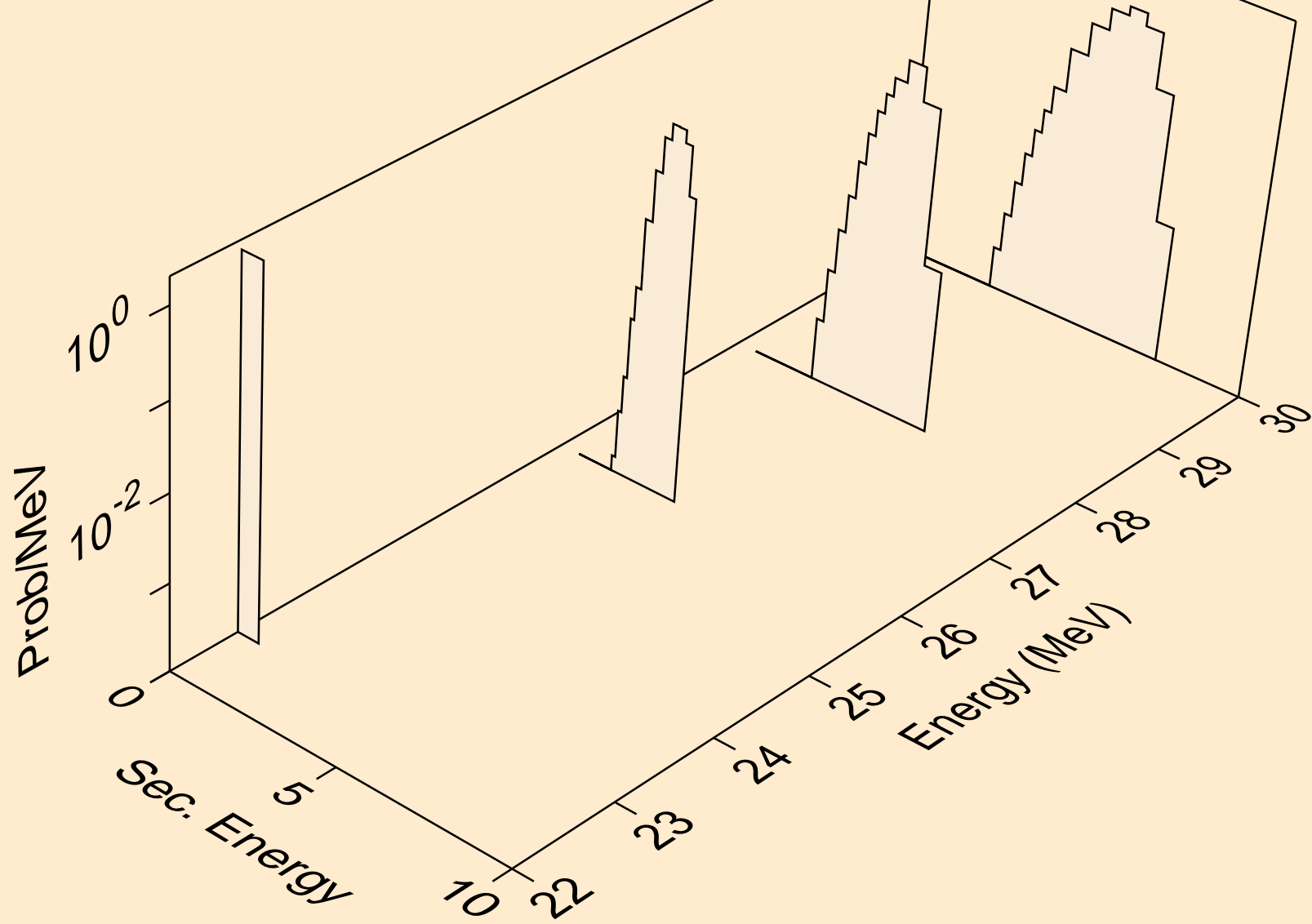
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protons from (n,pt)



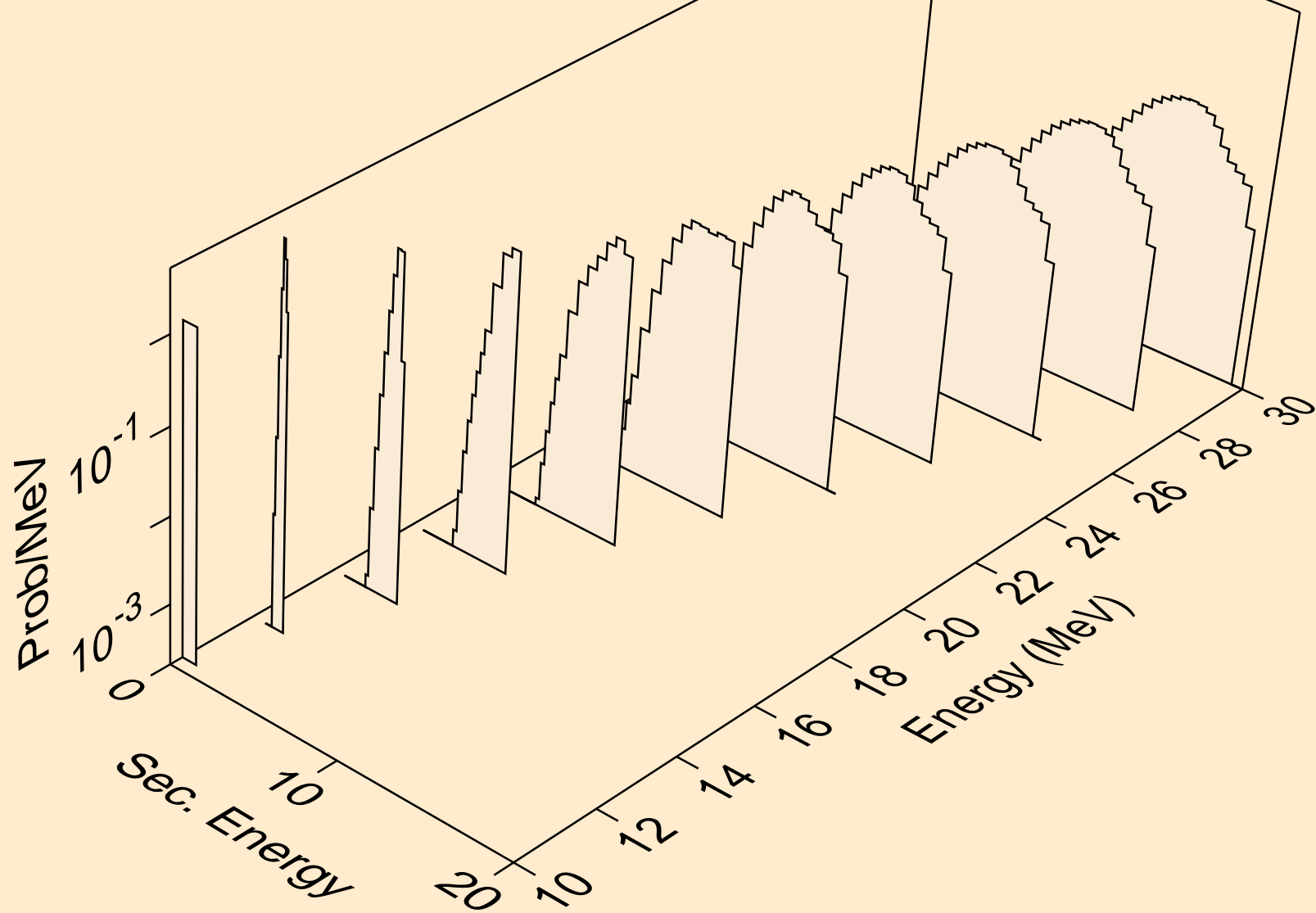
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

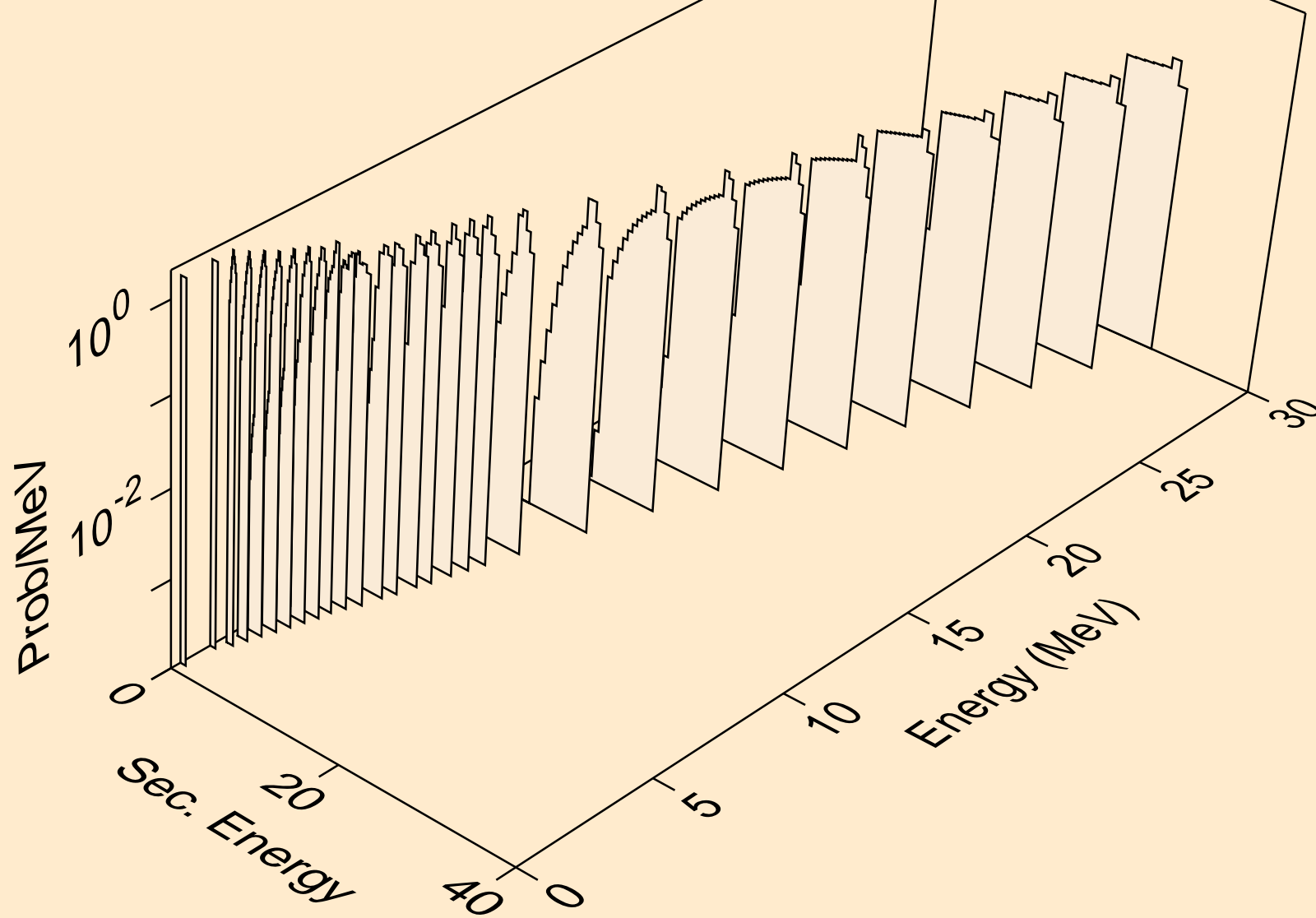


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

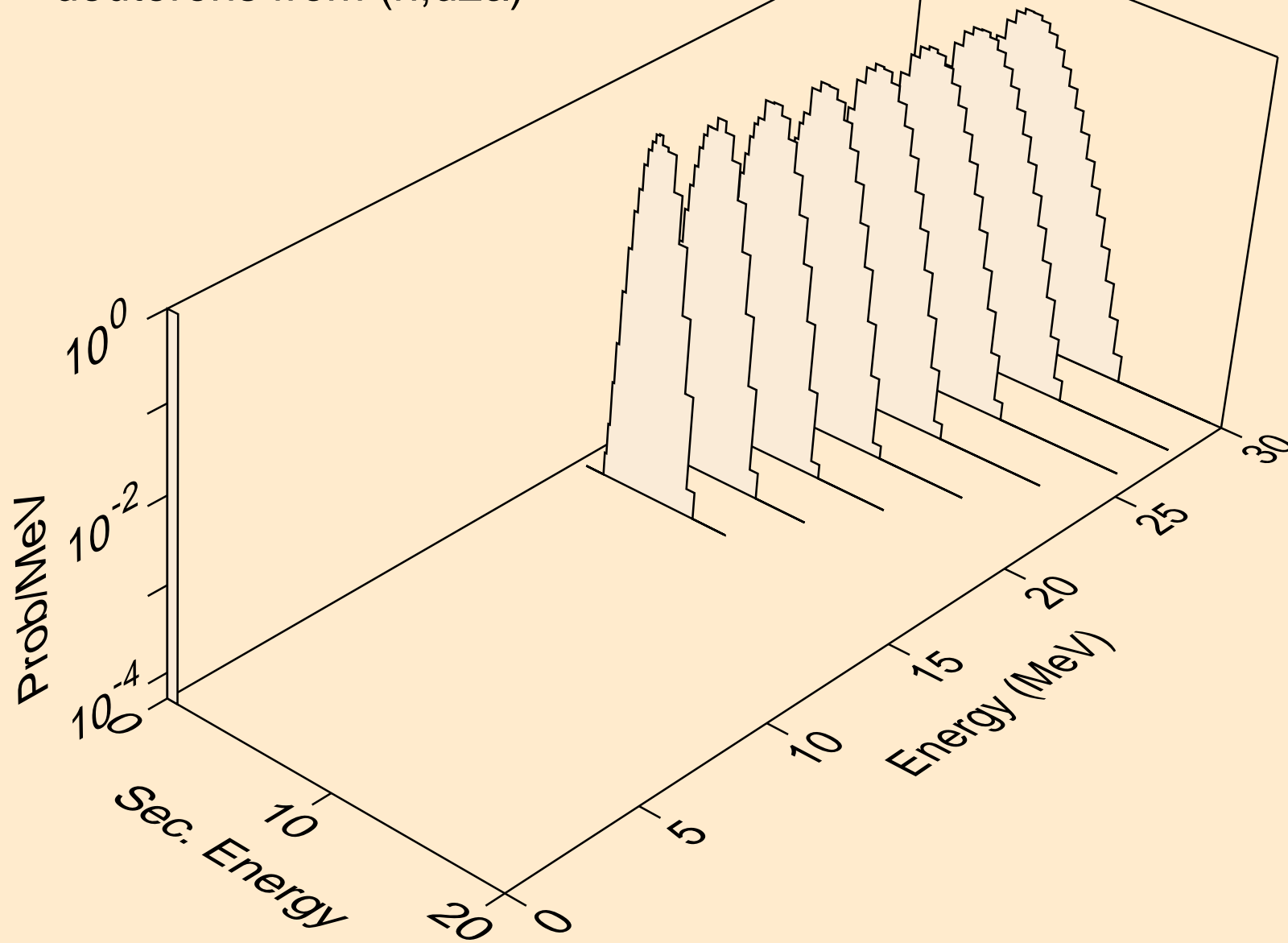




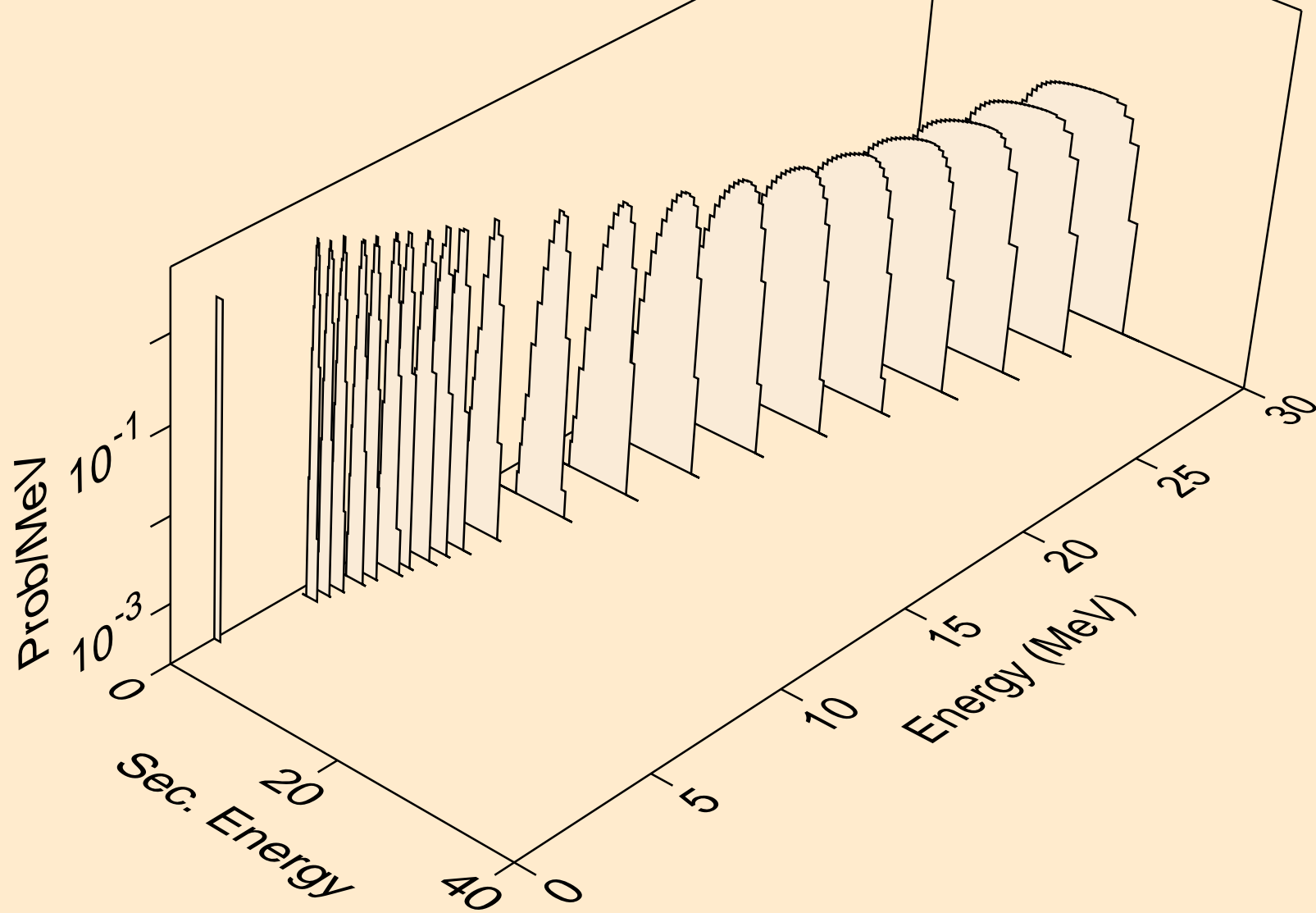
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deuterons from (n,d)



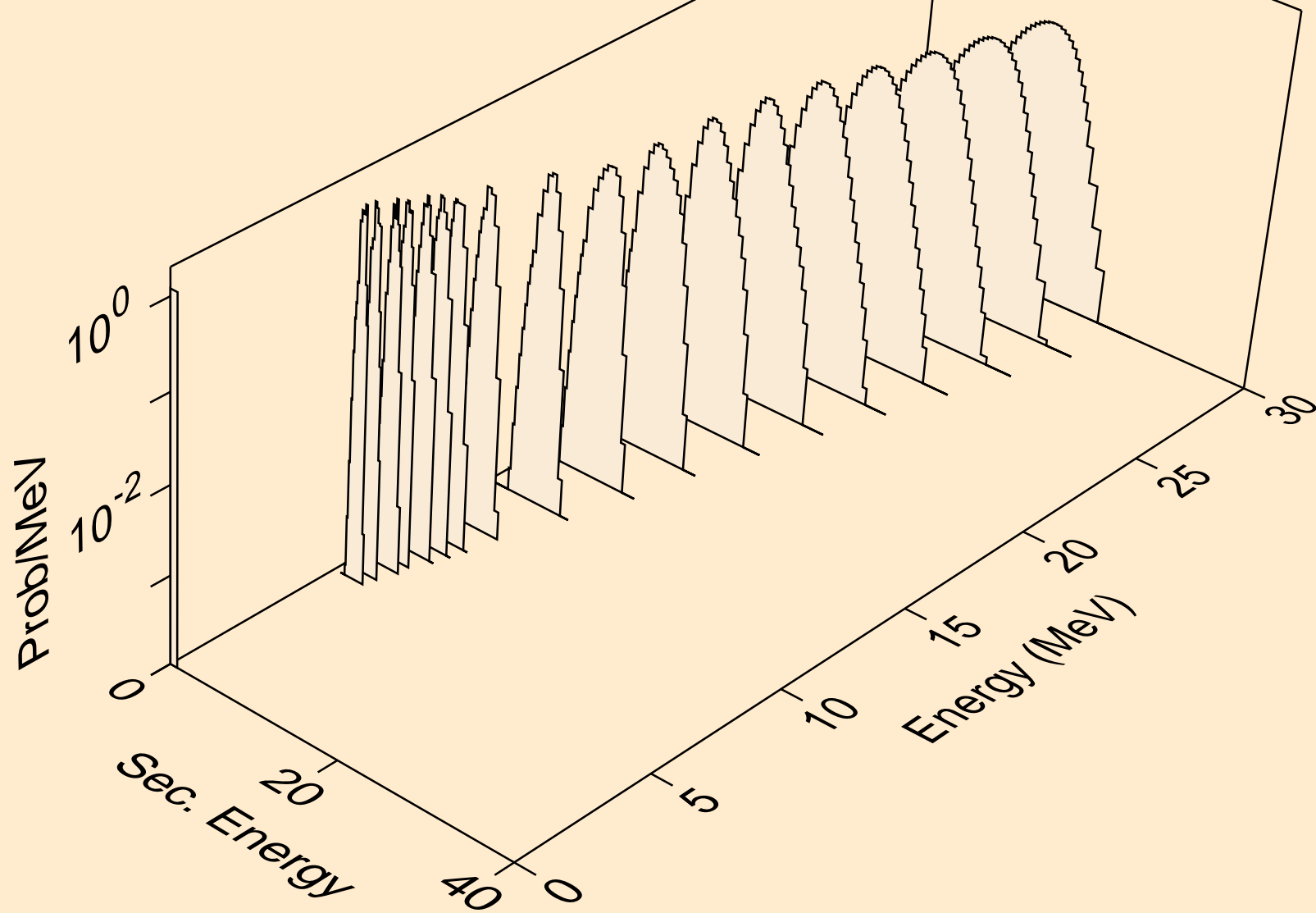
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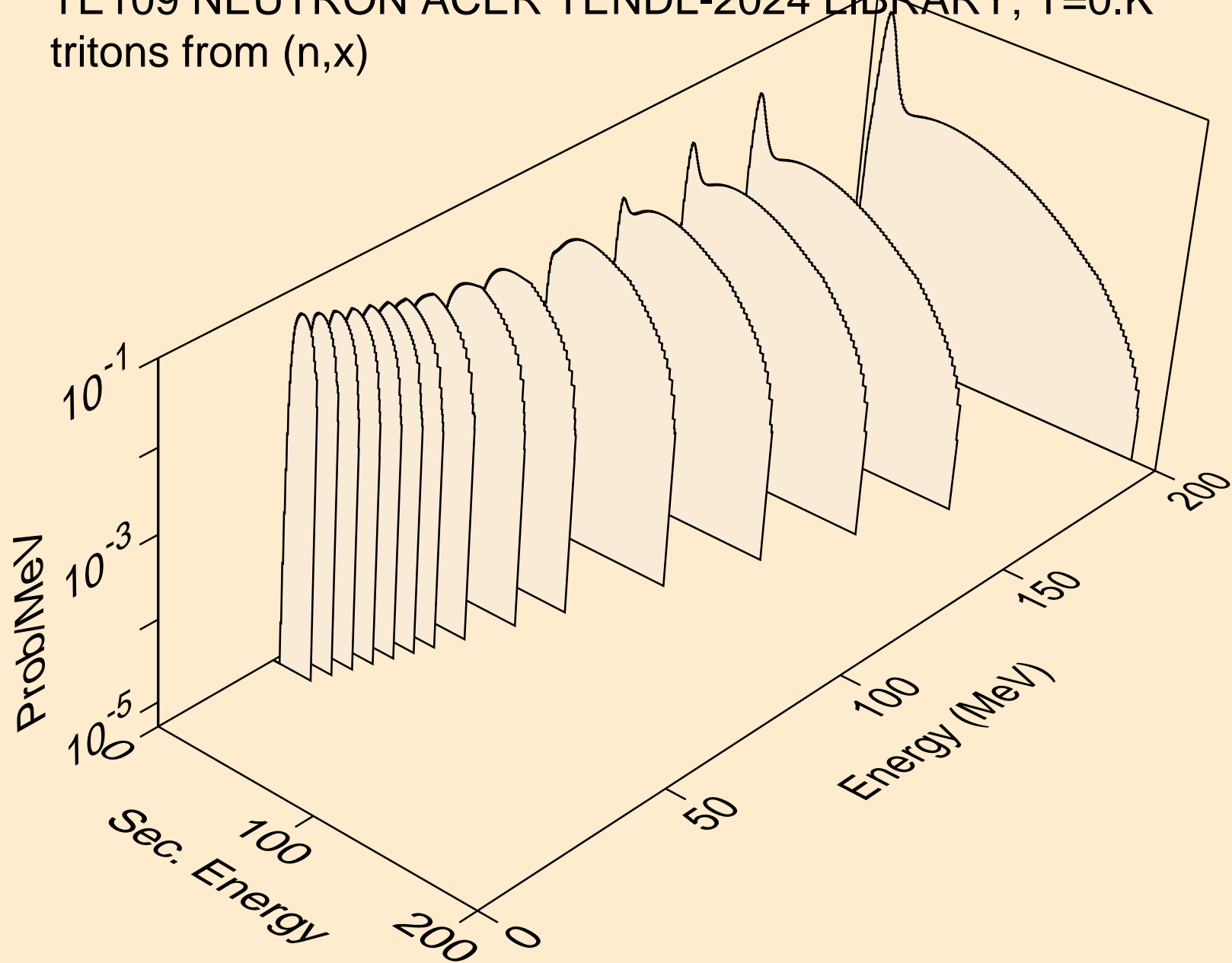
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deuterons from (n,pd)



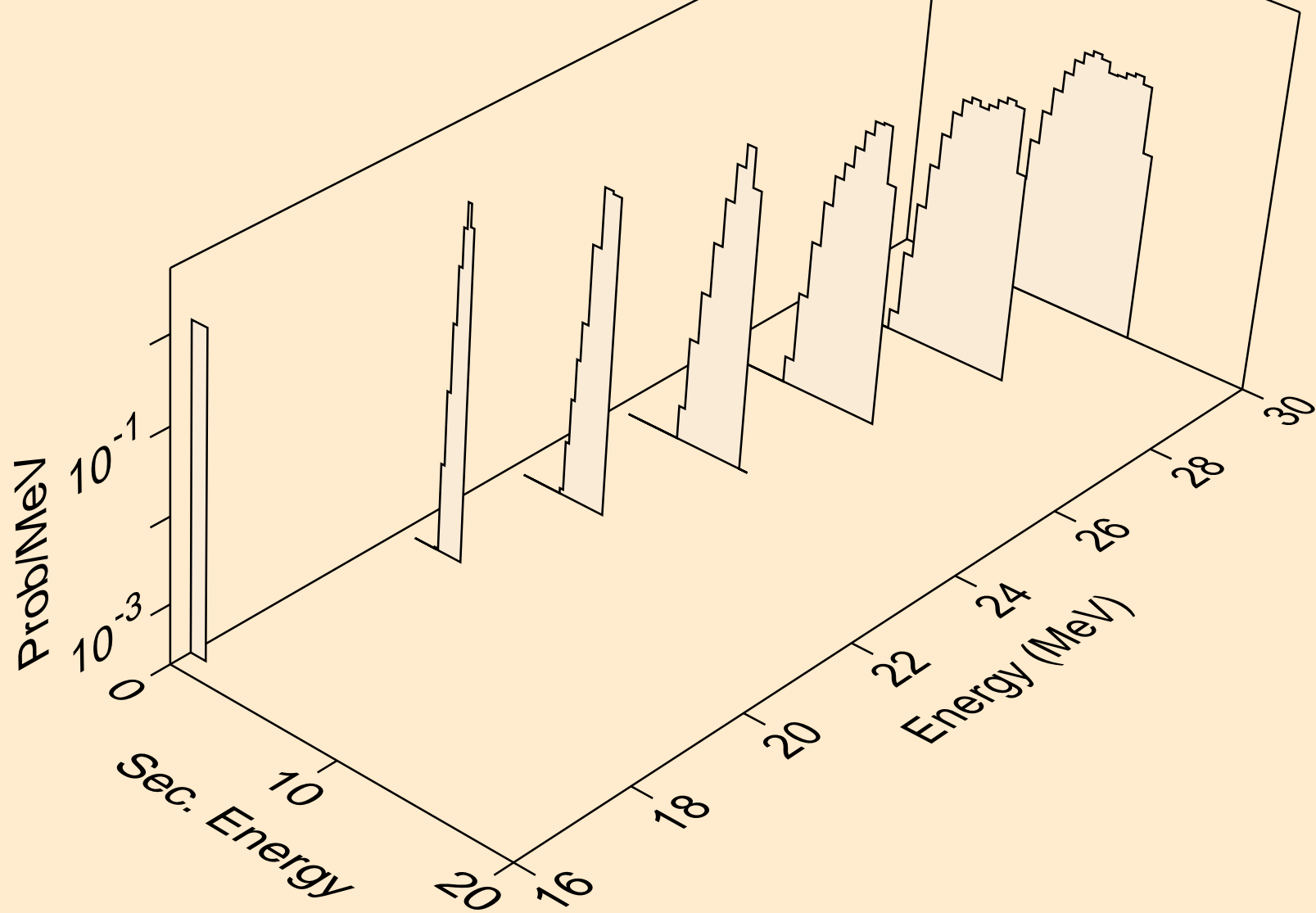
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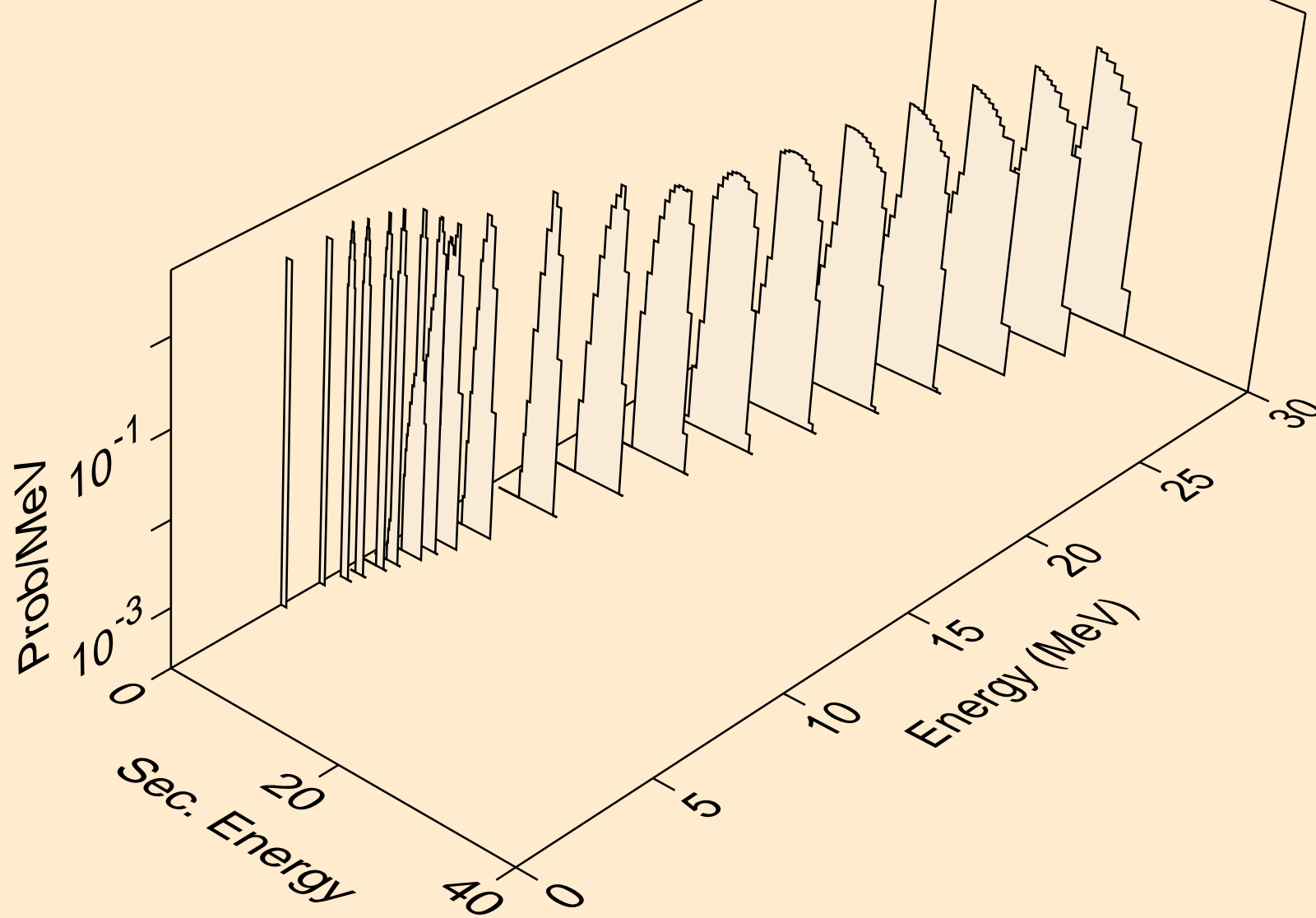
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tritons from (n,x)



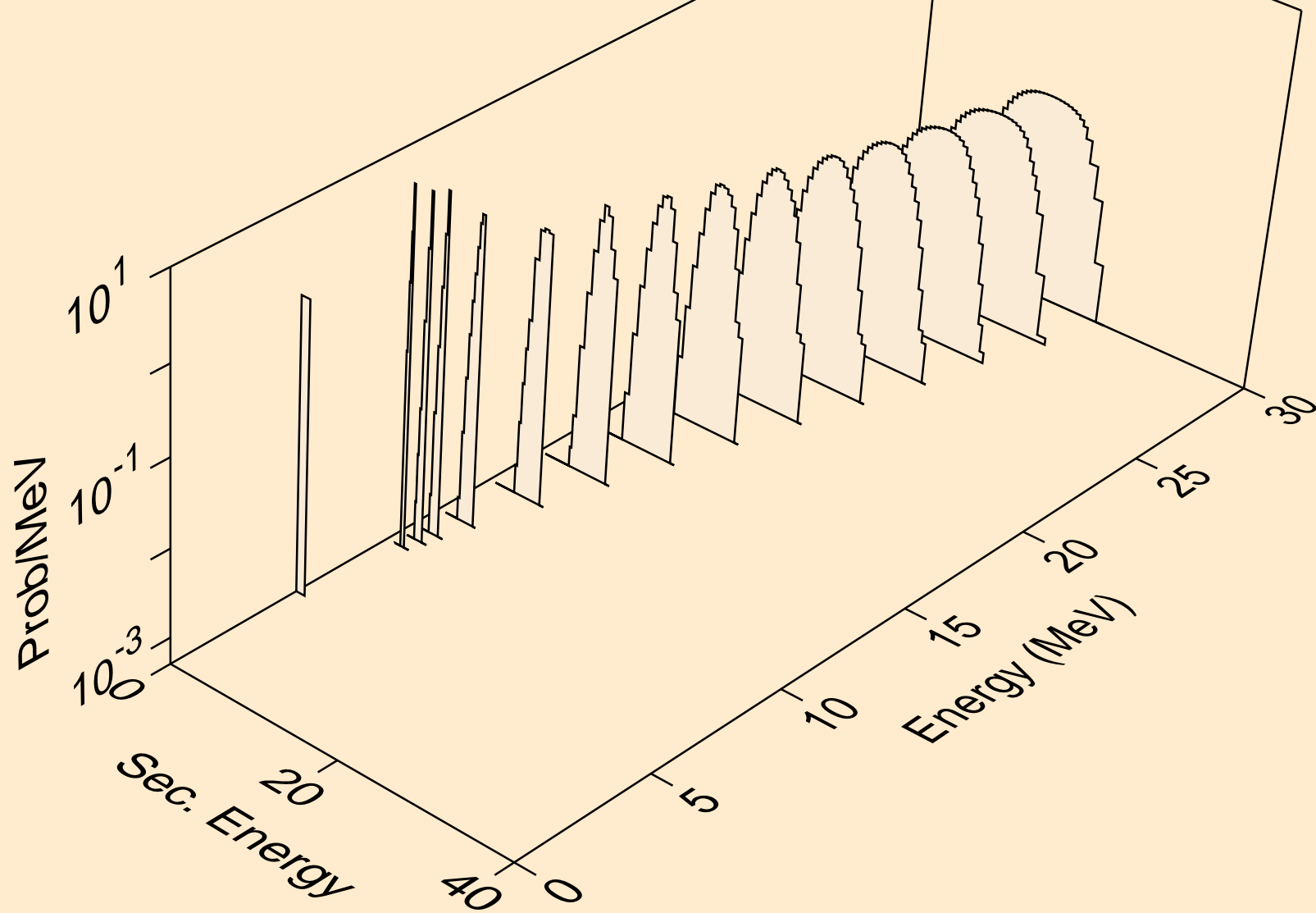
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

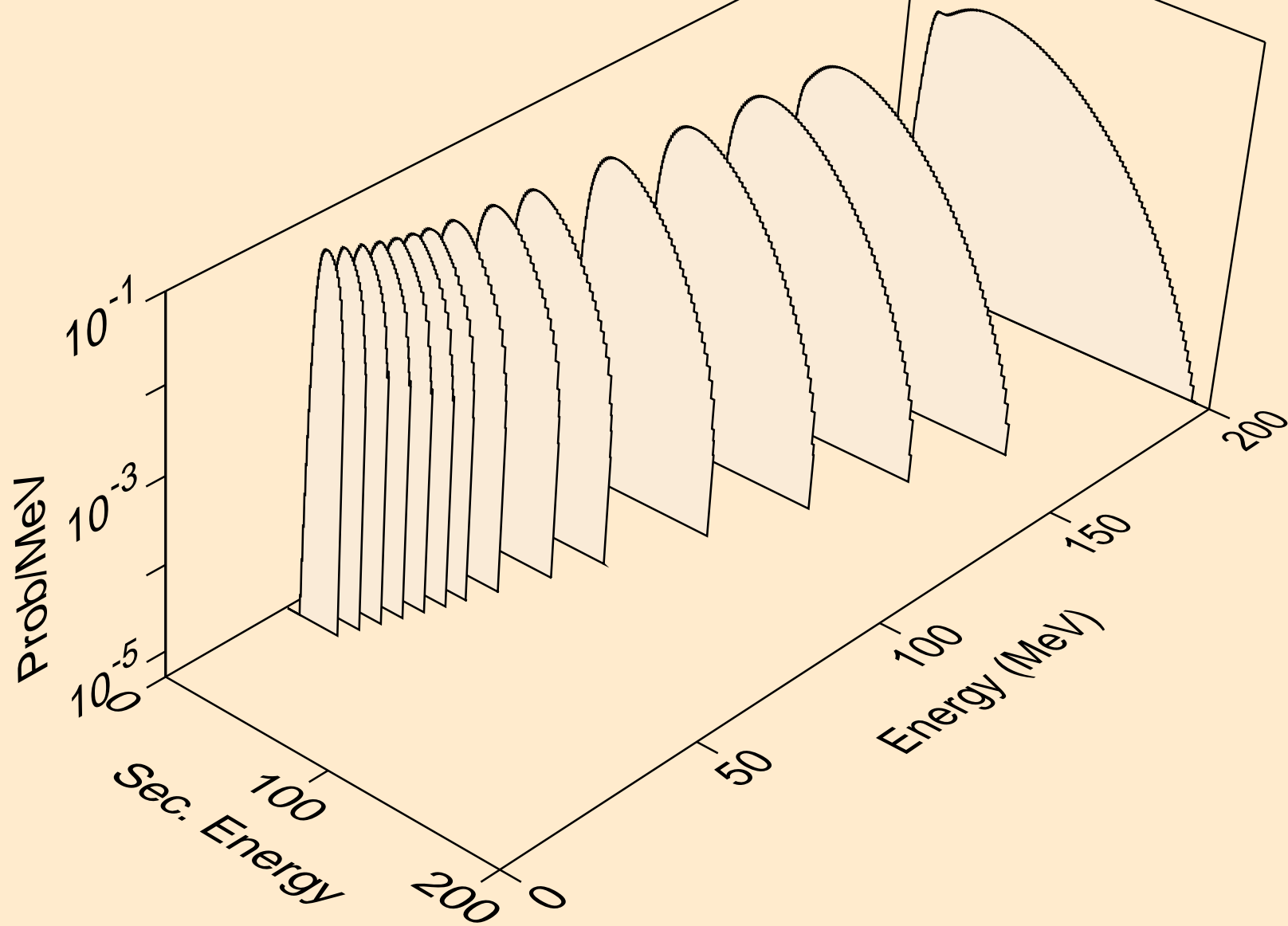


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

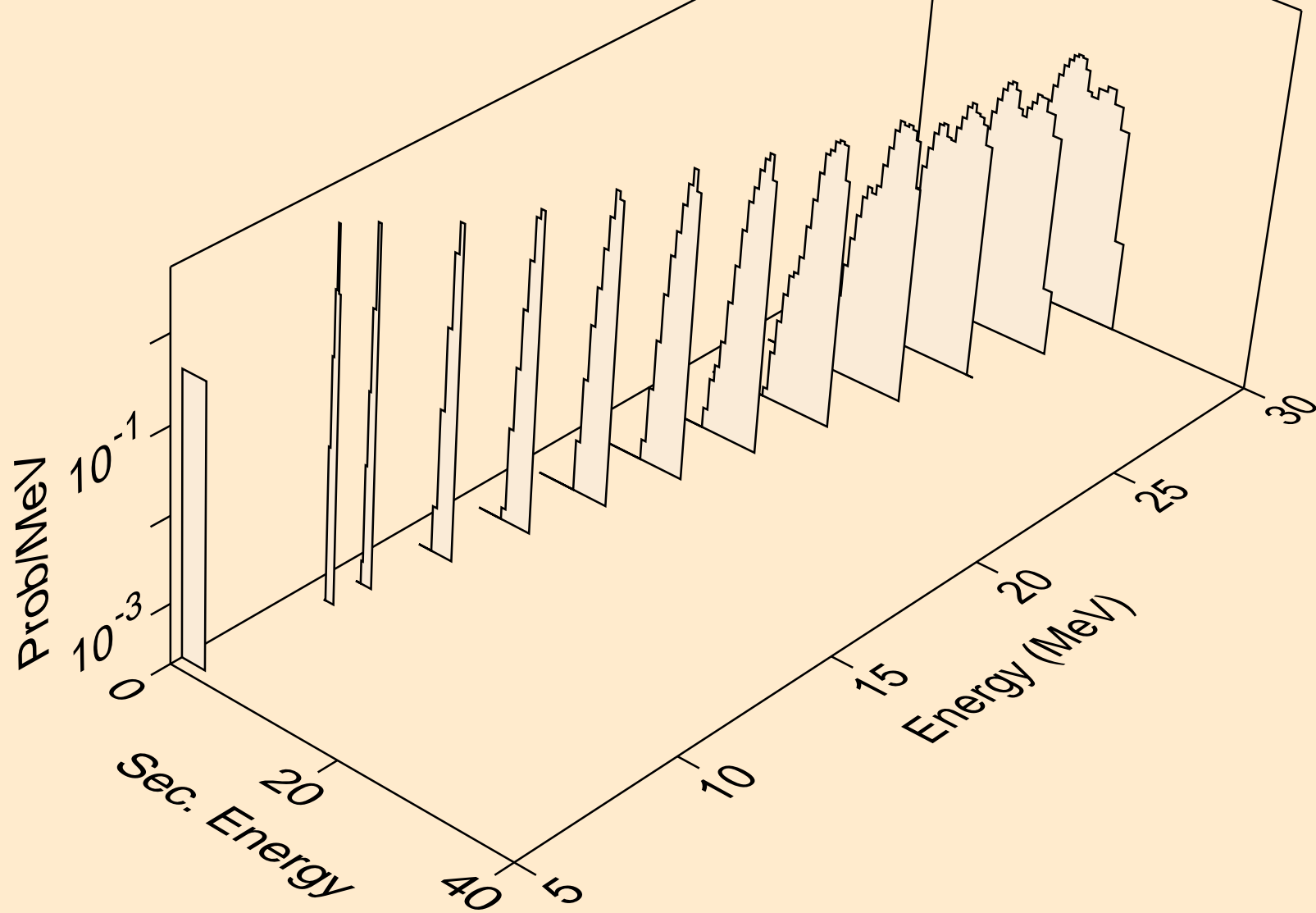




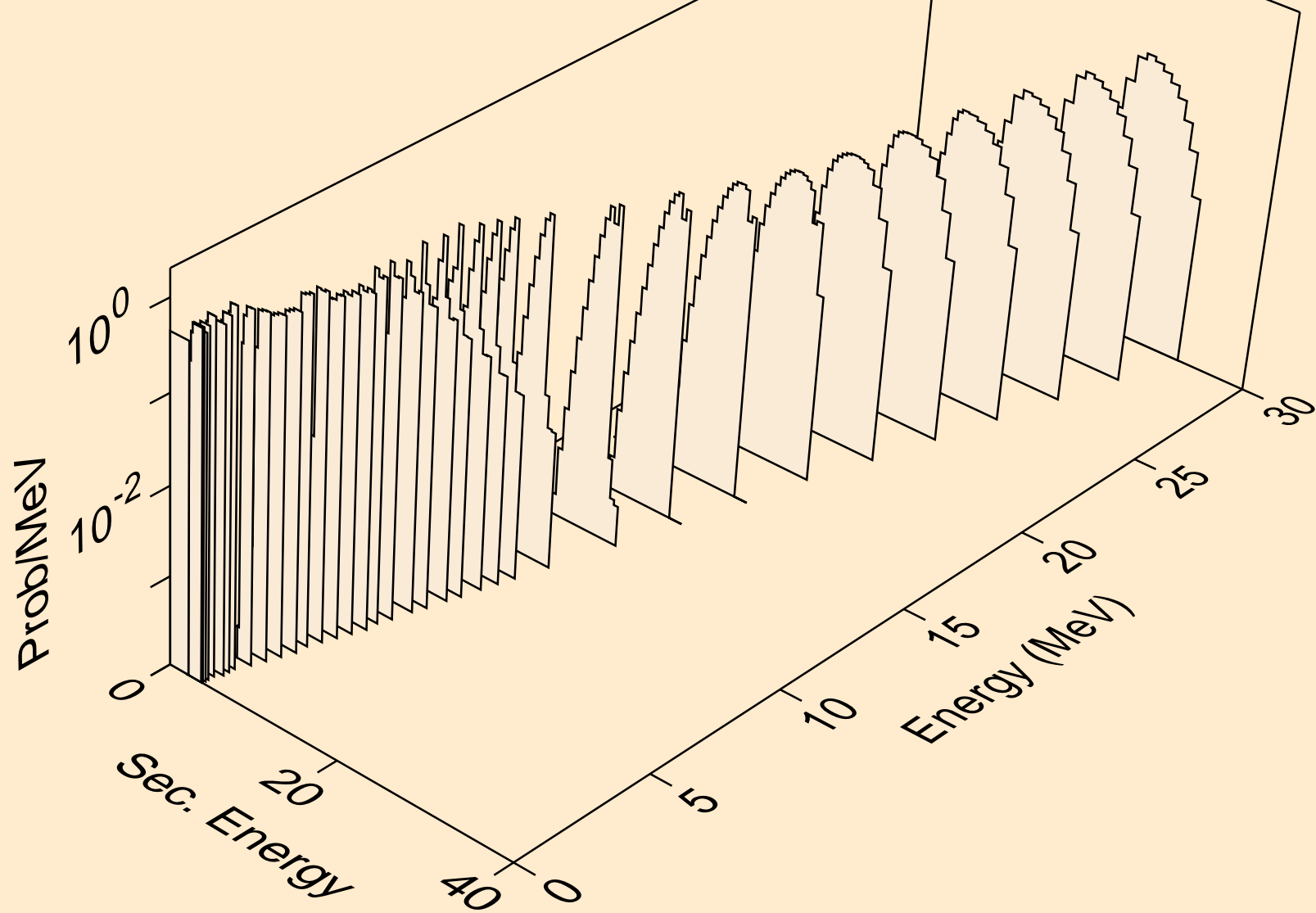
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he3s from (n,x)



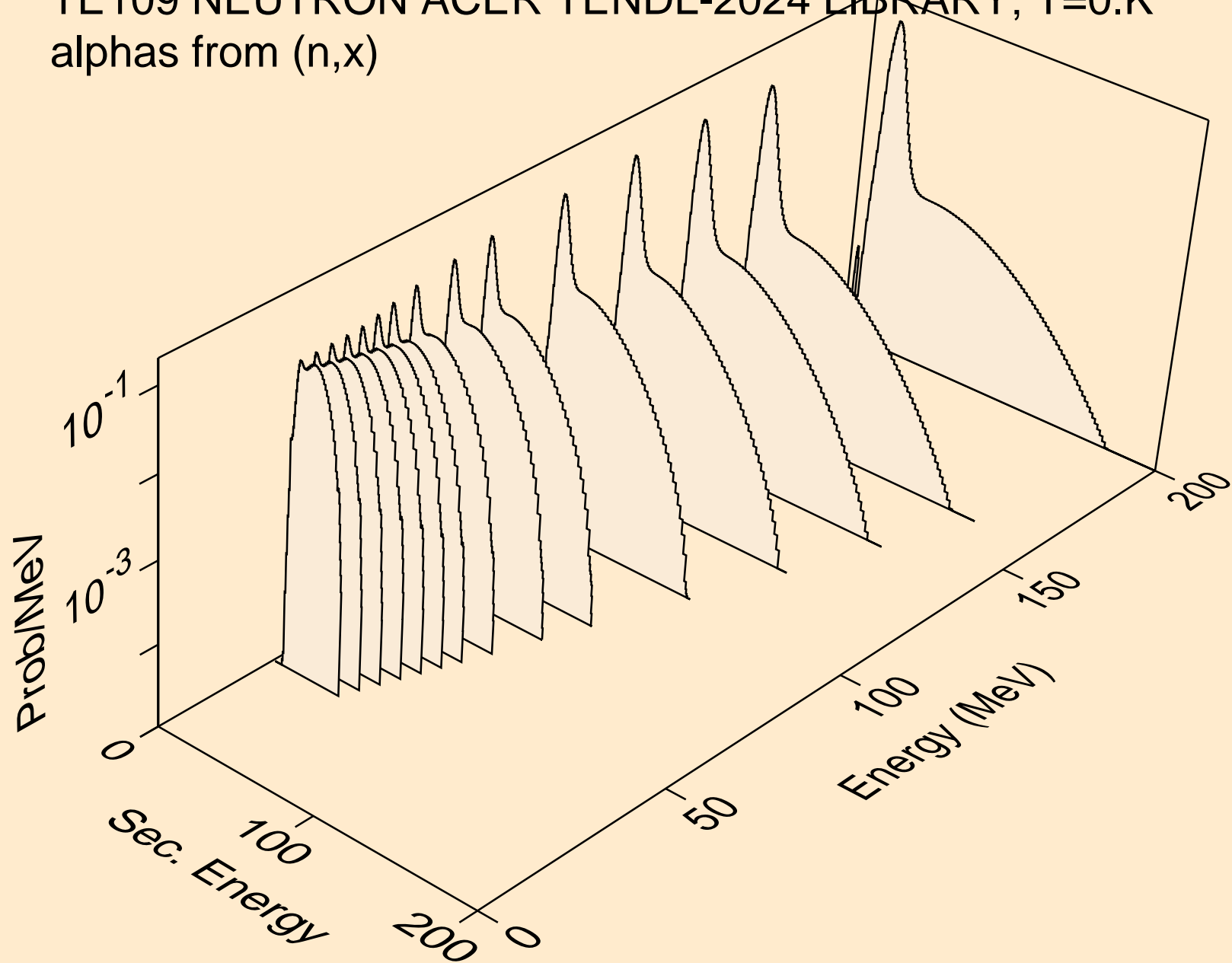
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



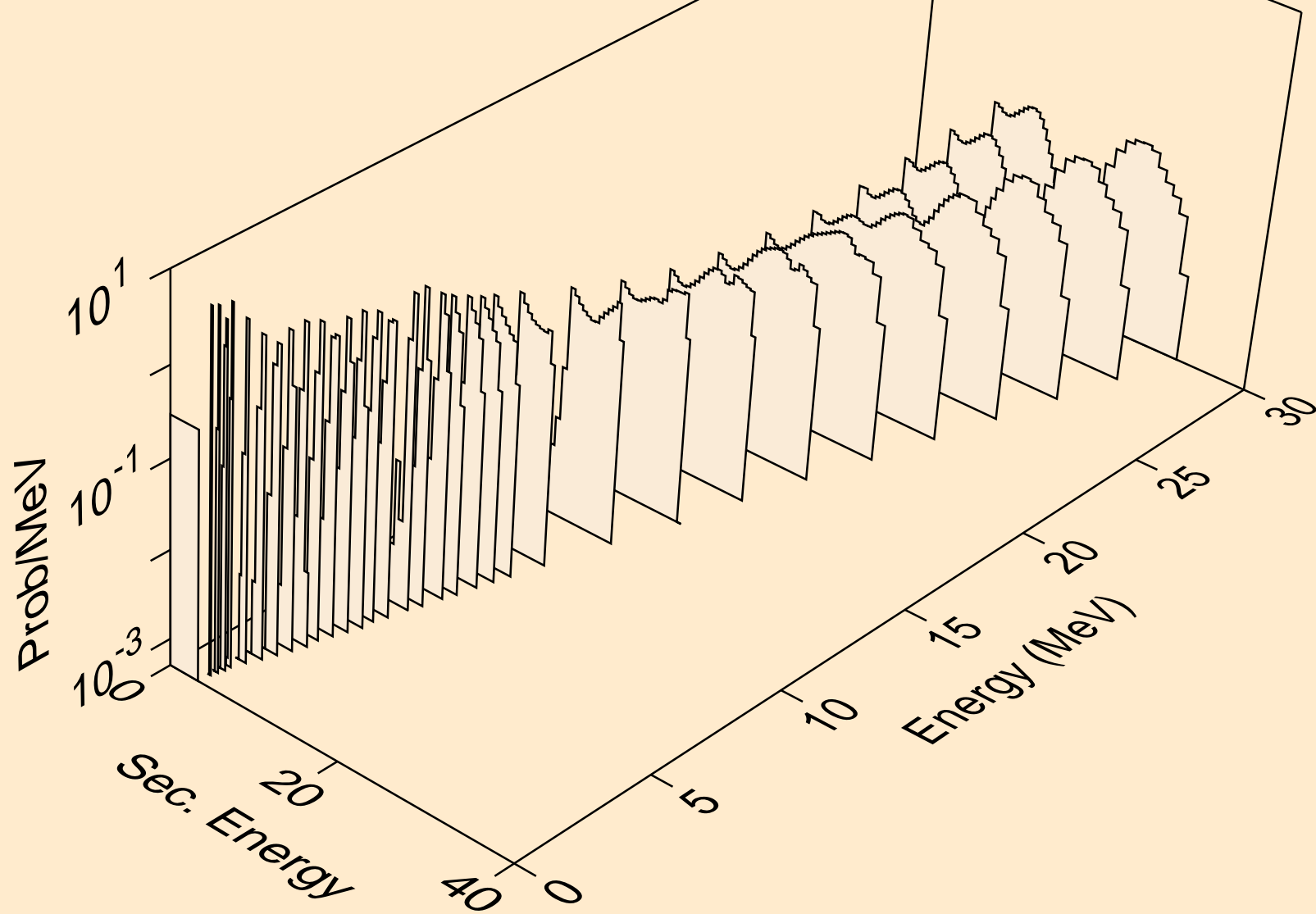
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he3s from (n,he3)



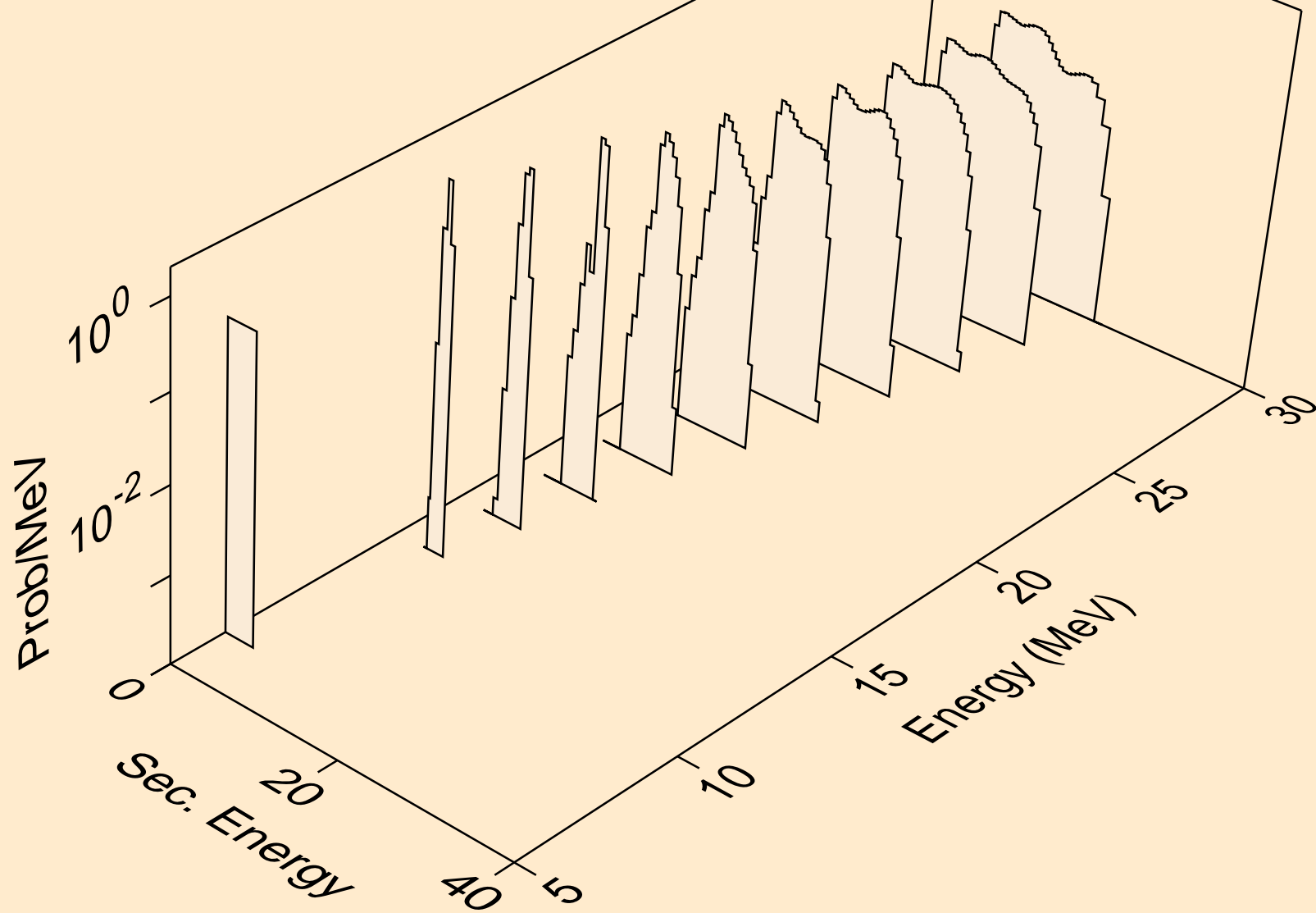
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



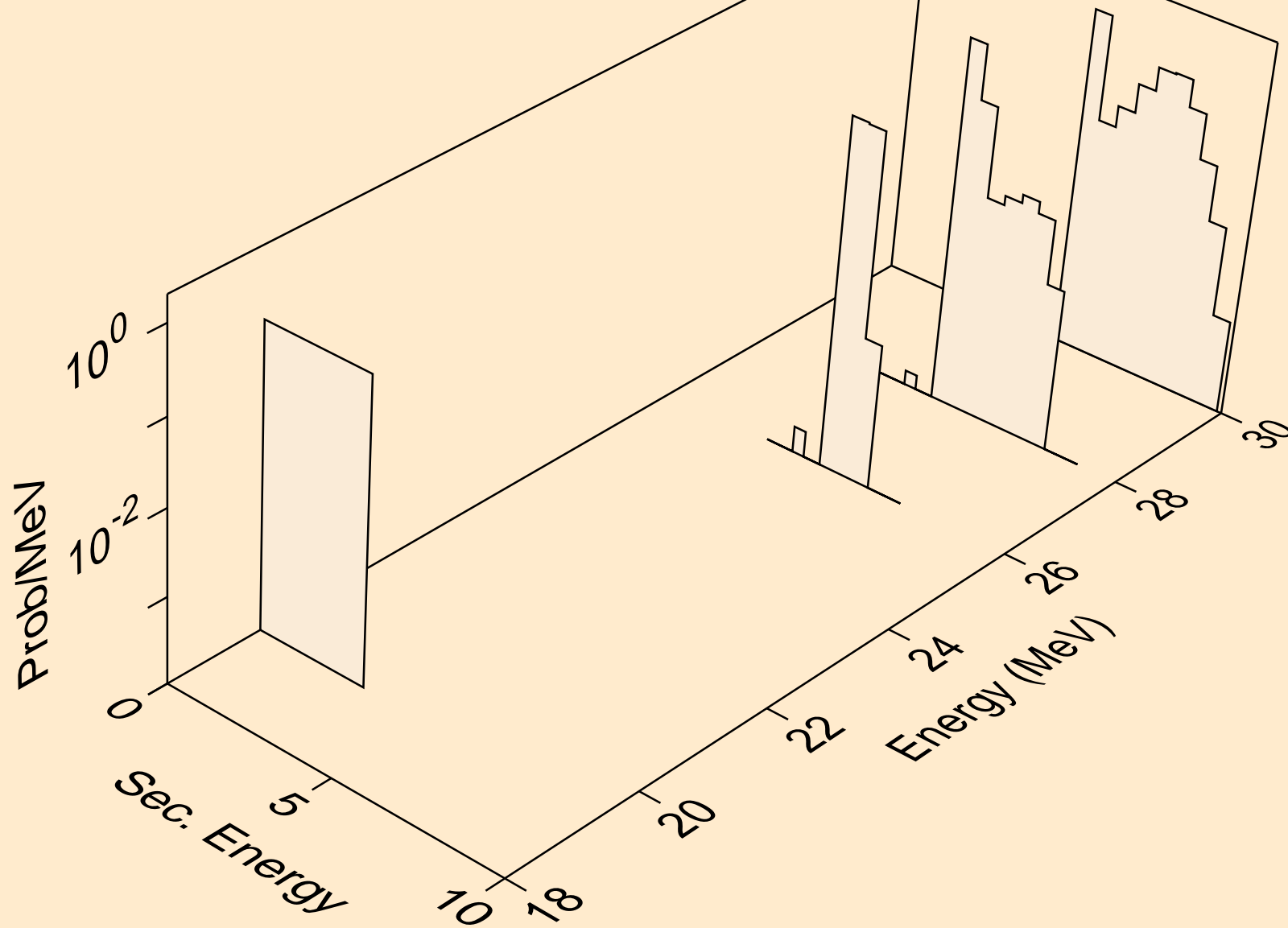
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



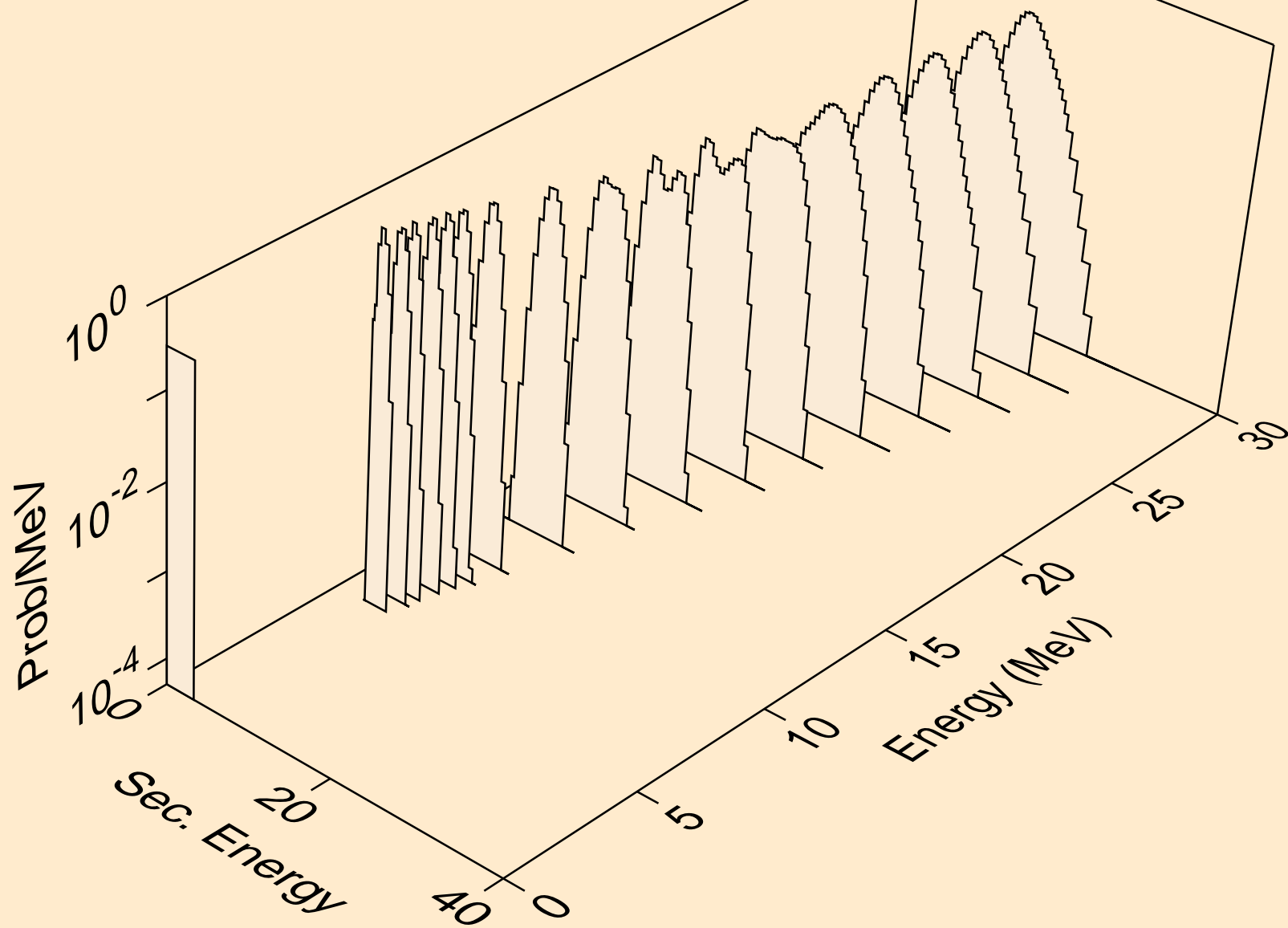
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

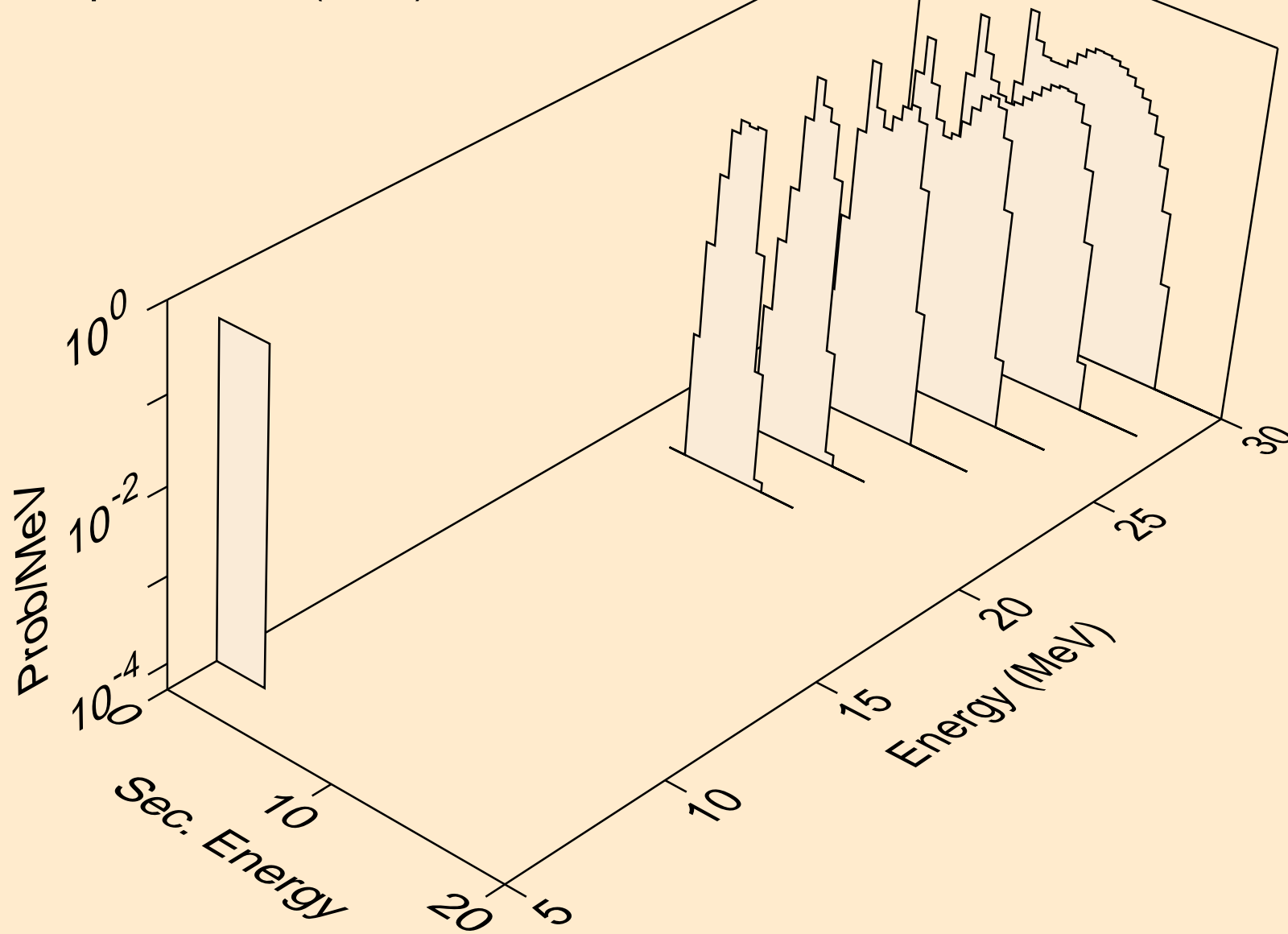


TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

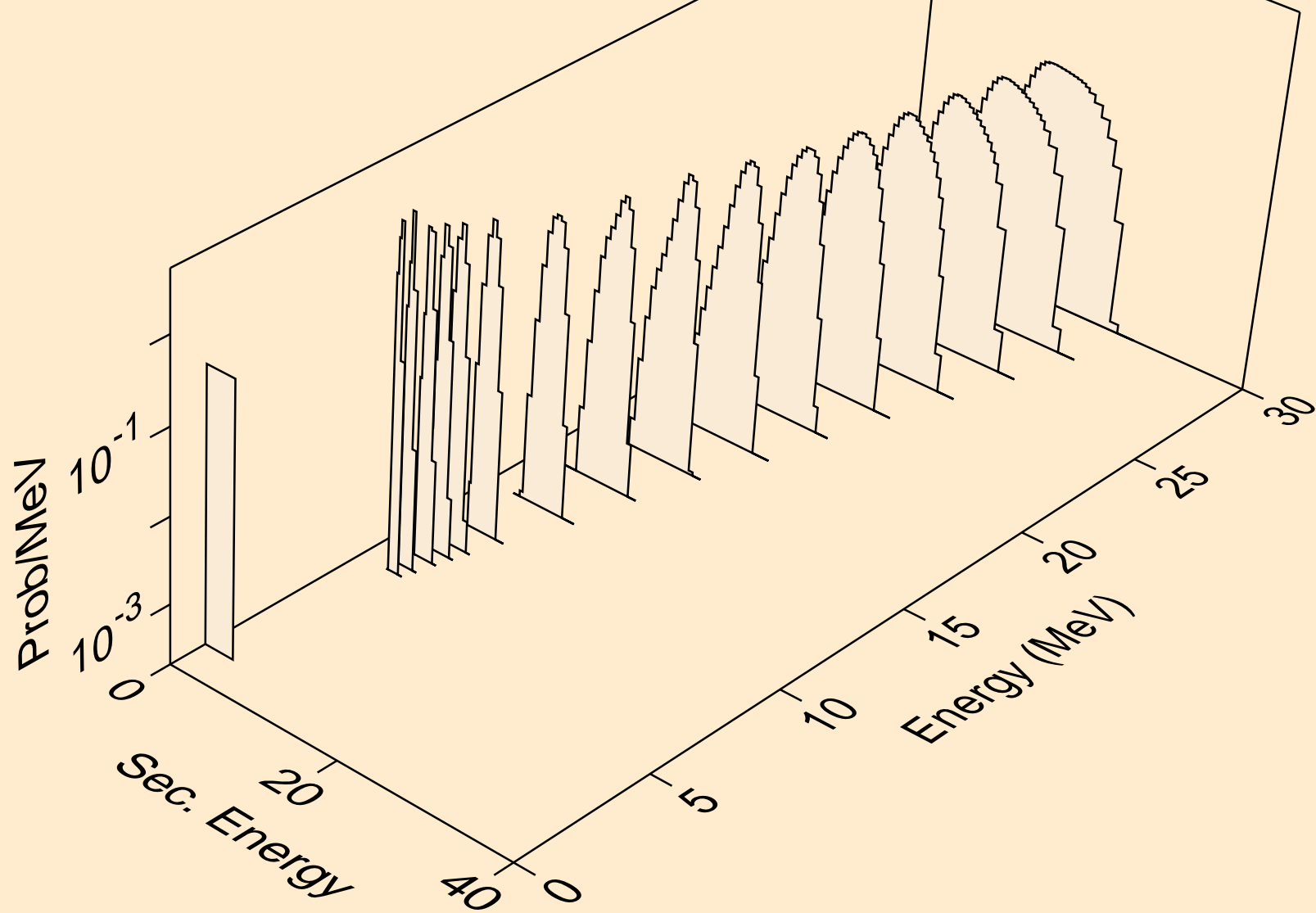




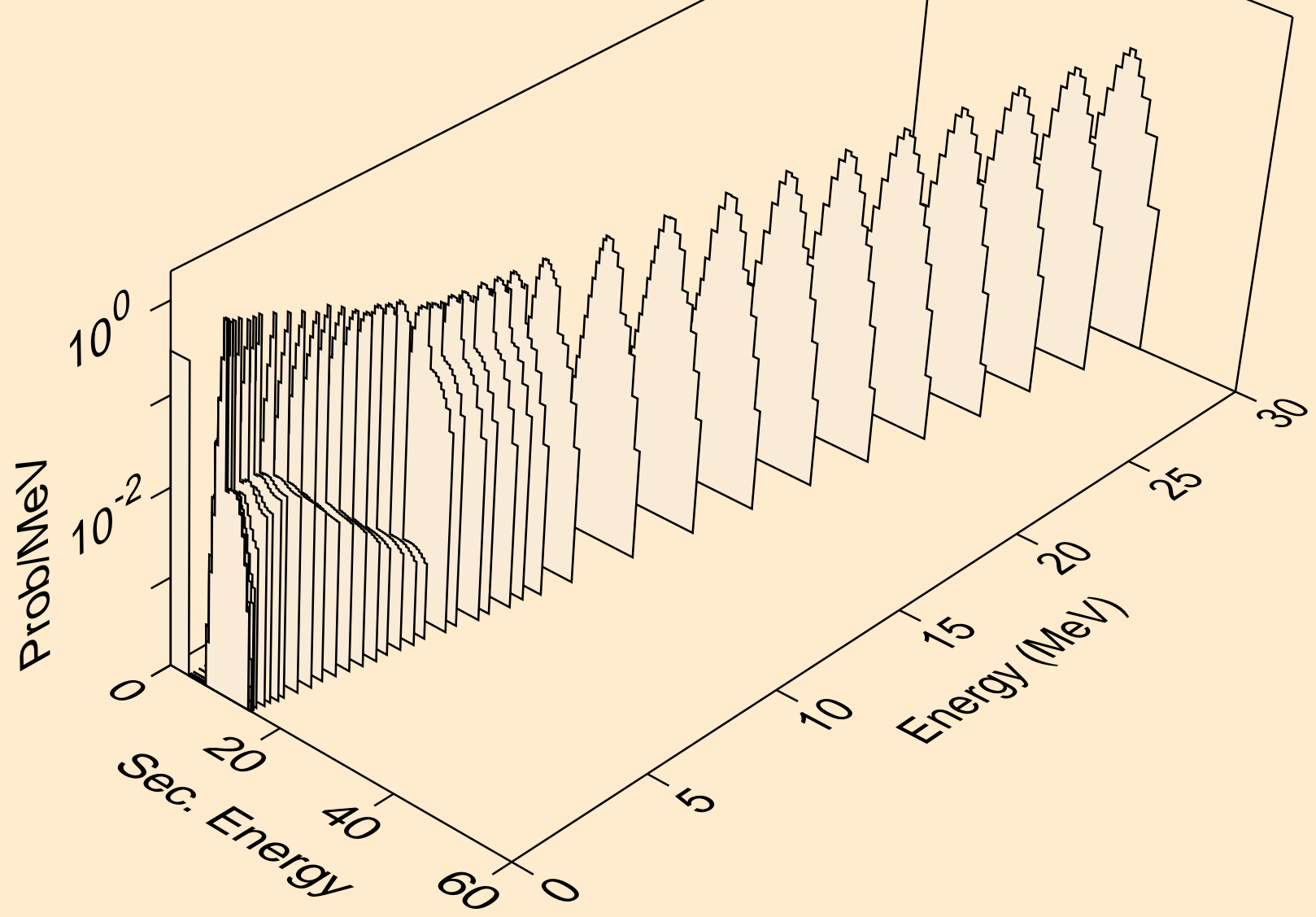
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



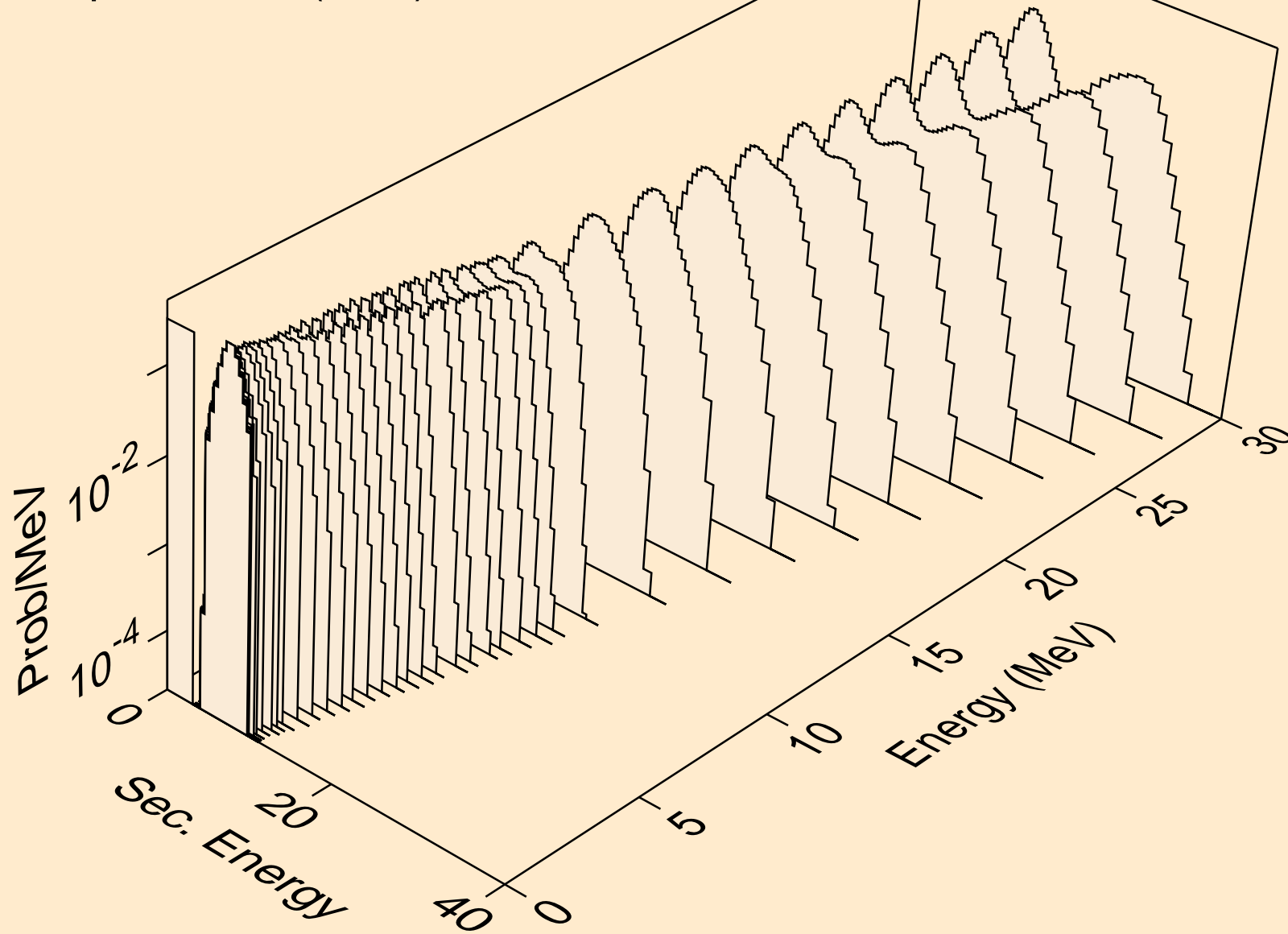
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alphas from (n,npa)



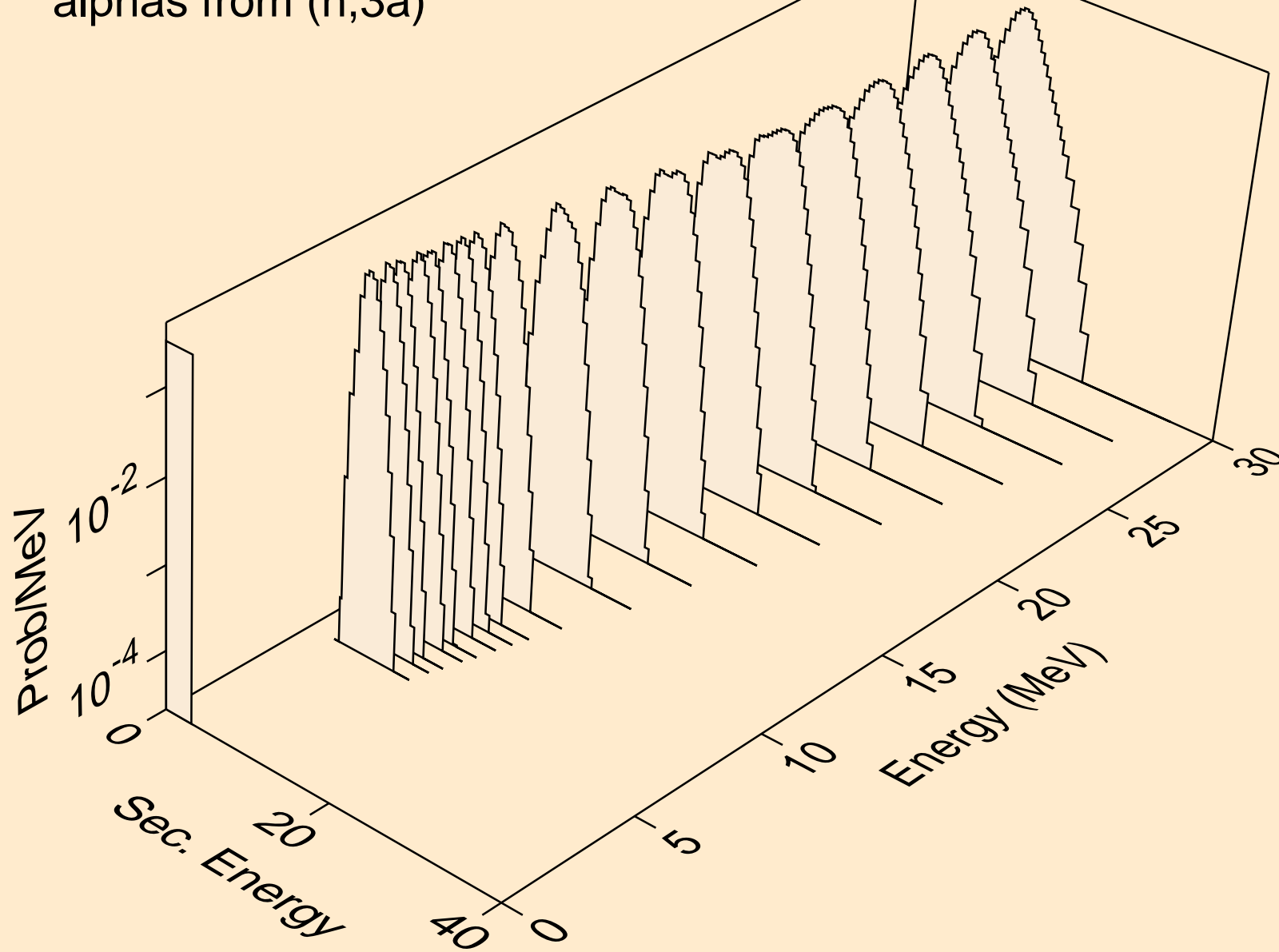
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alphas from (n,a)



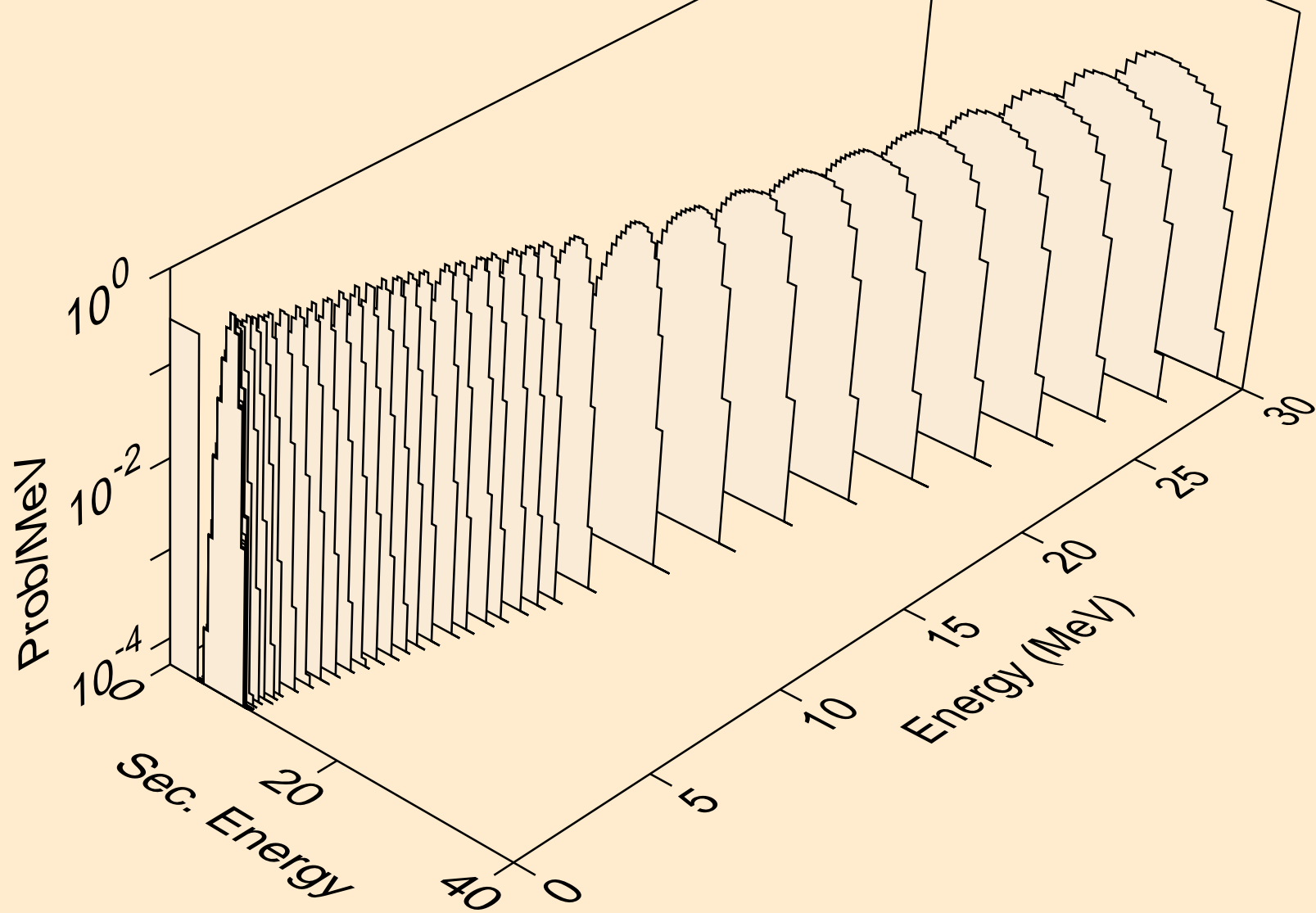
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



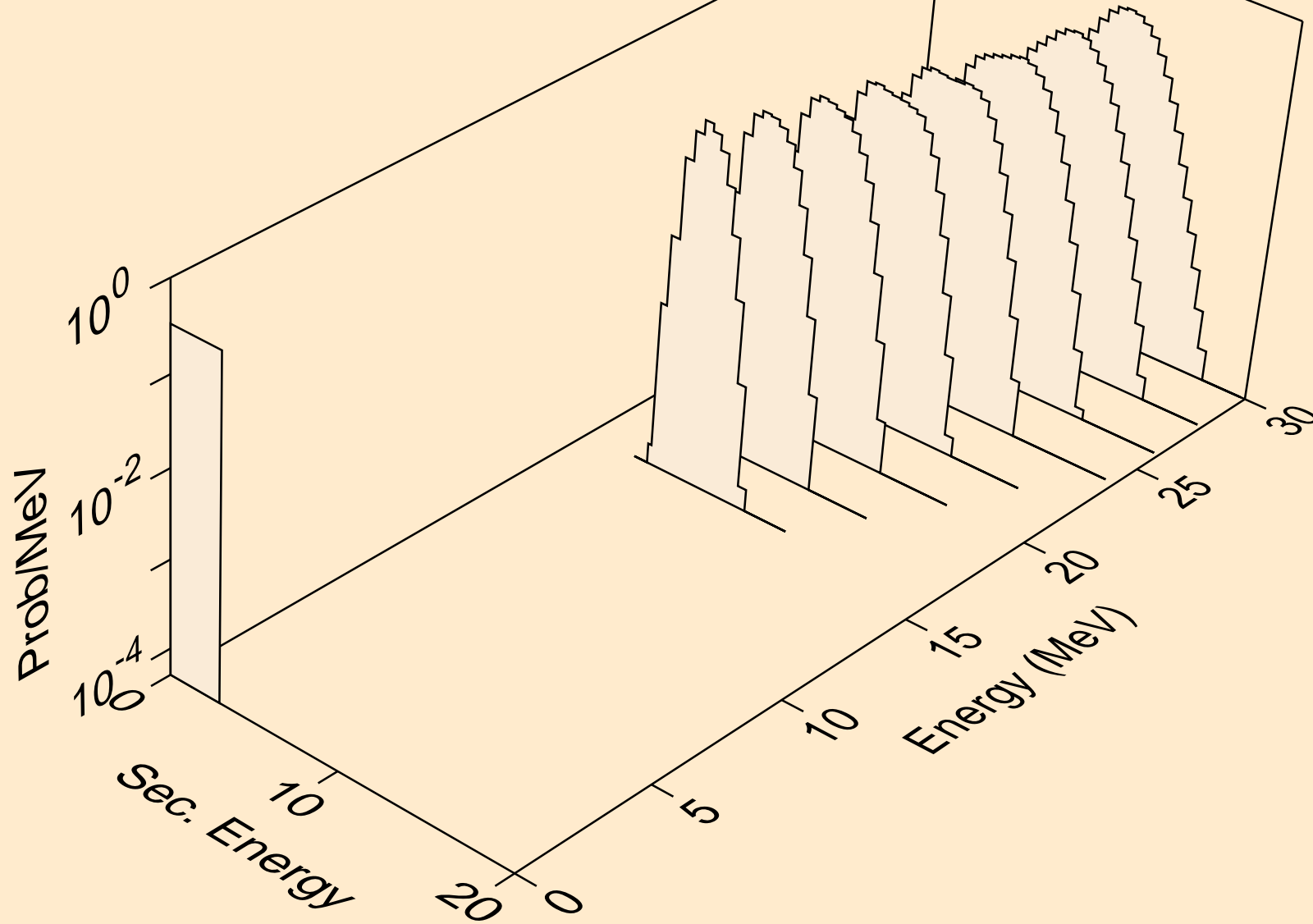
TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



TE109 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

