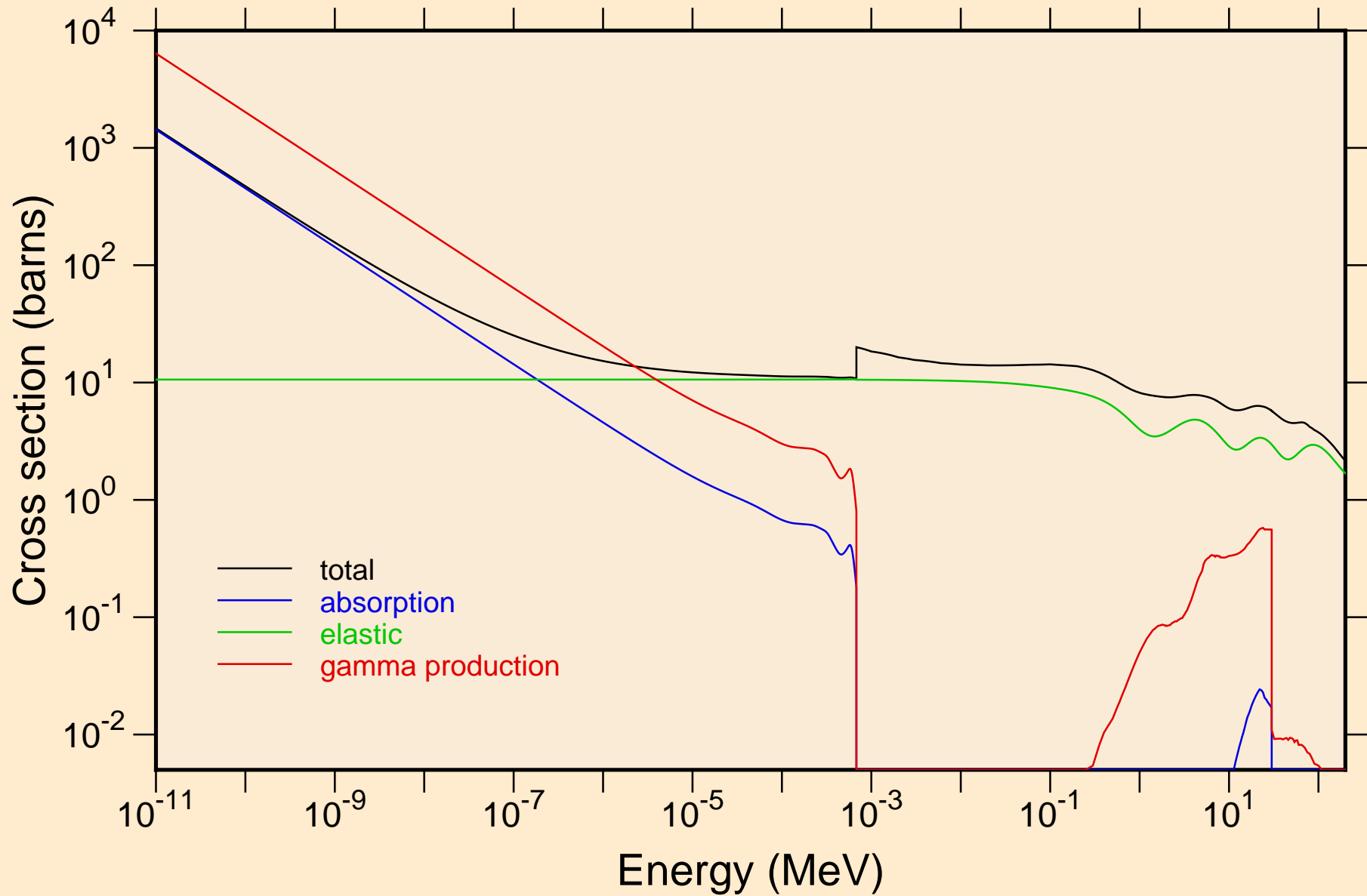


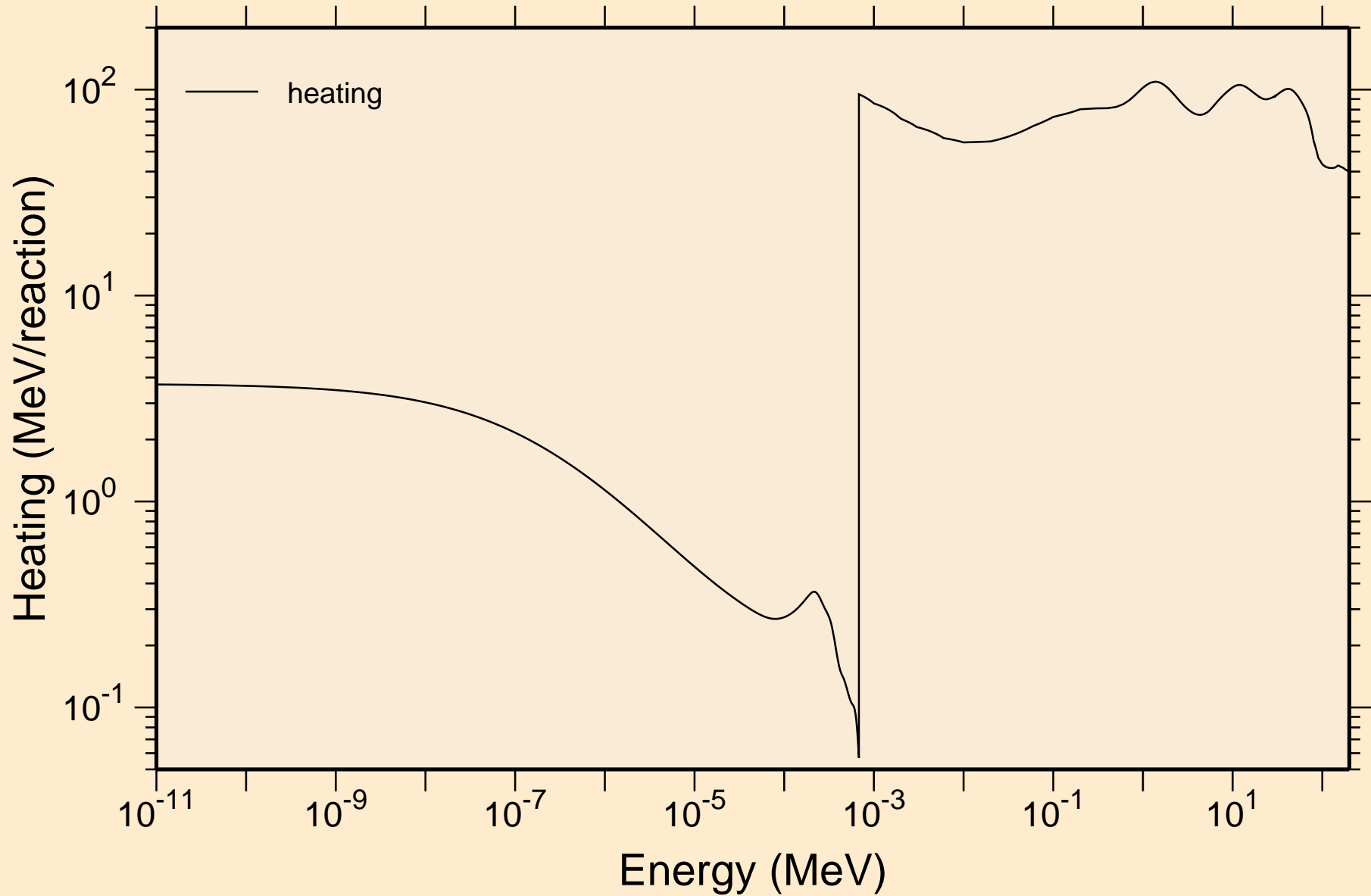
# LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

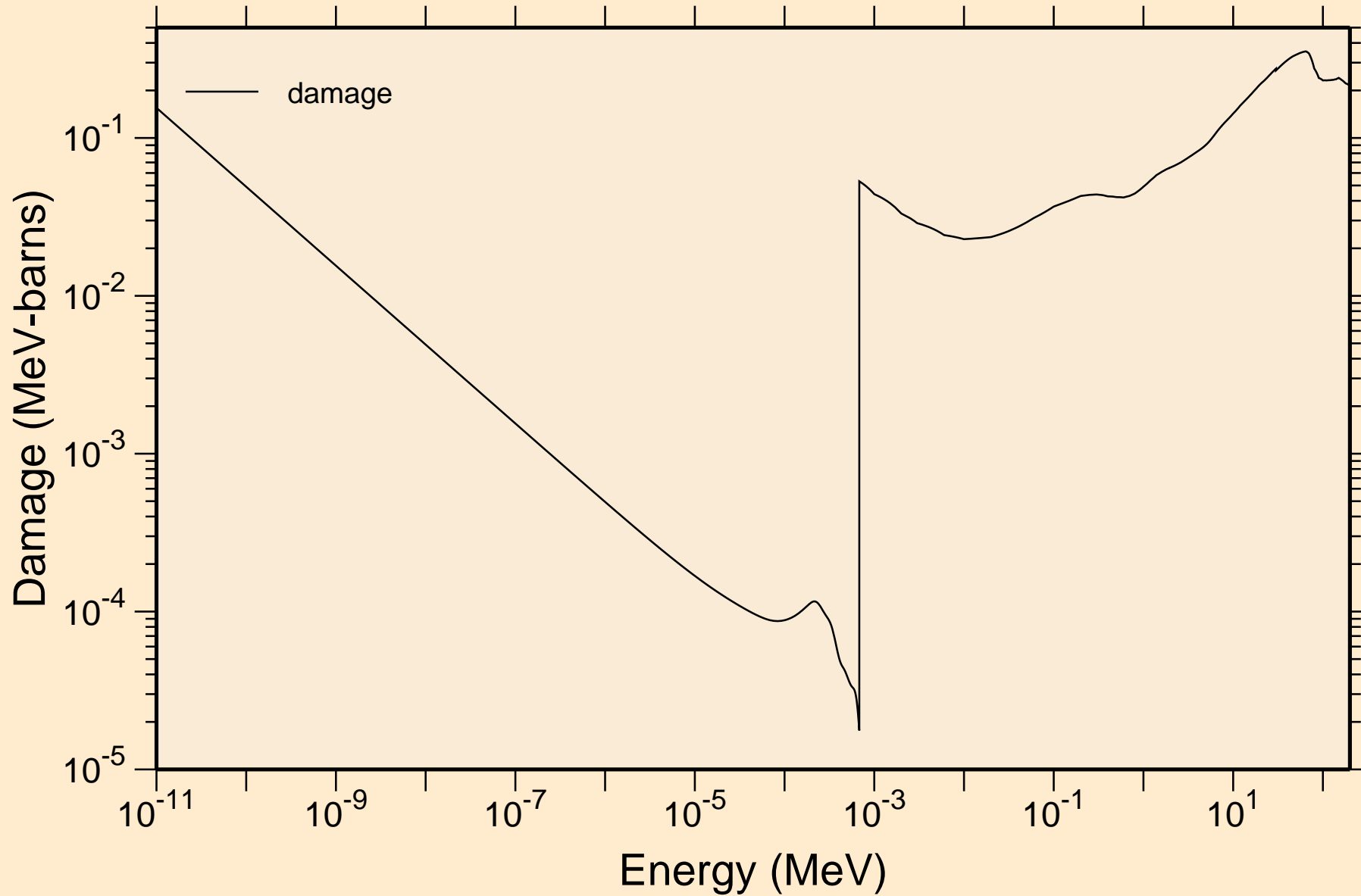


# LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

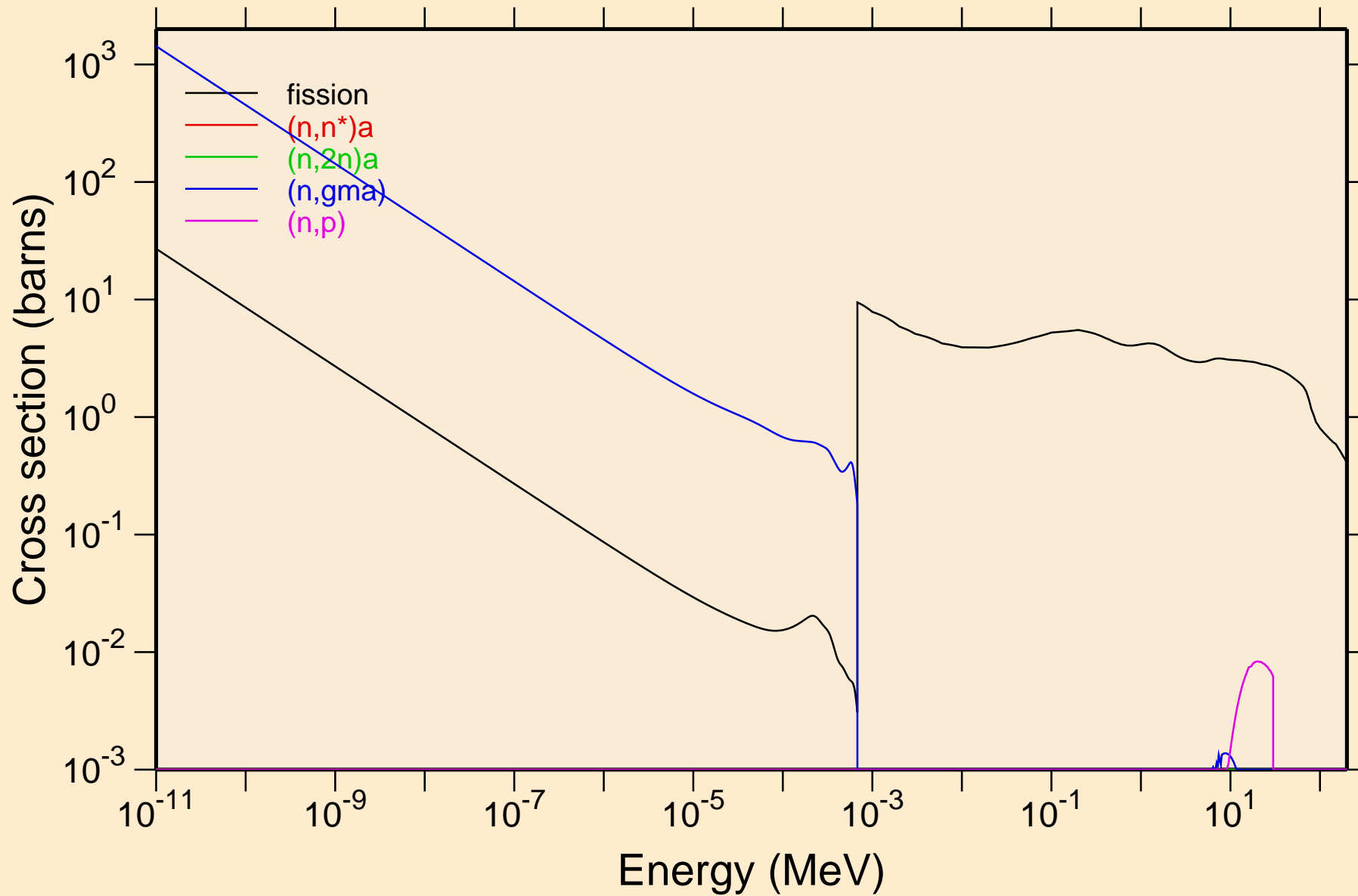


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

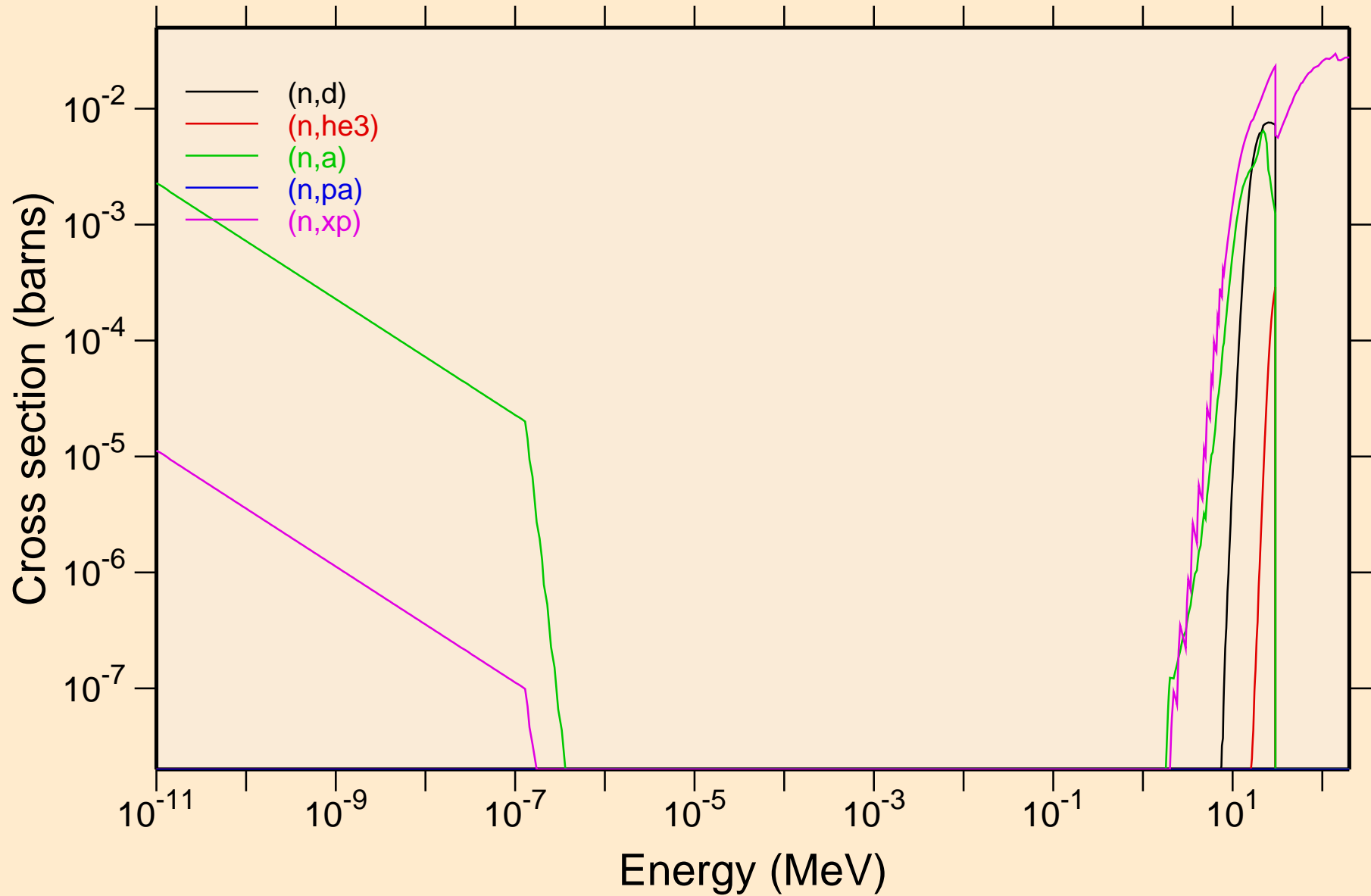


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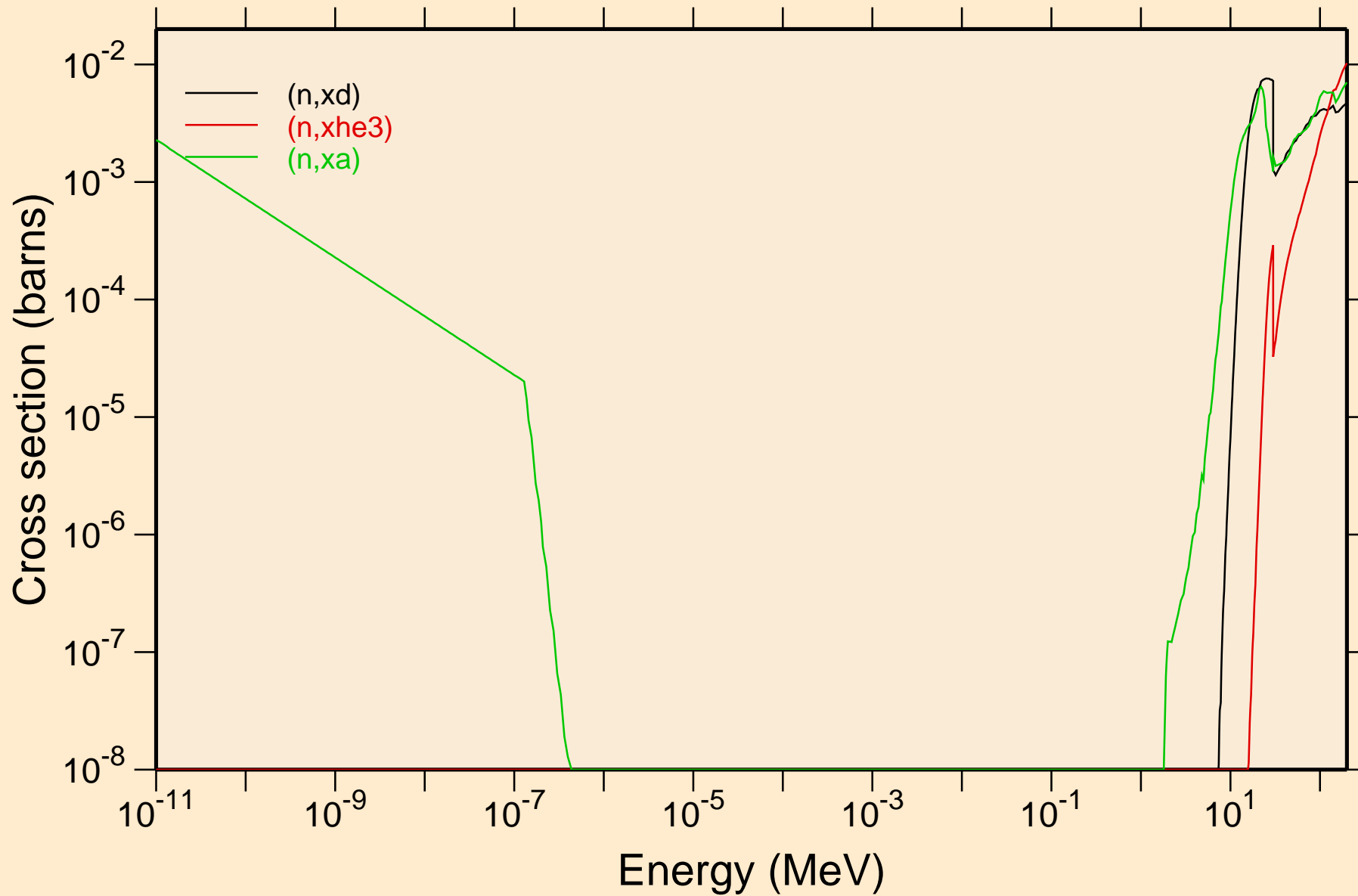
## Non-threshold reactions



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

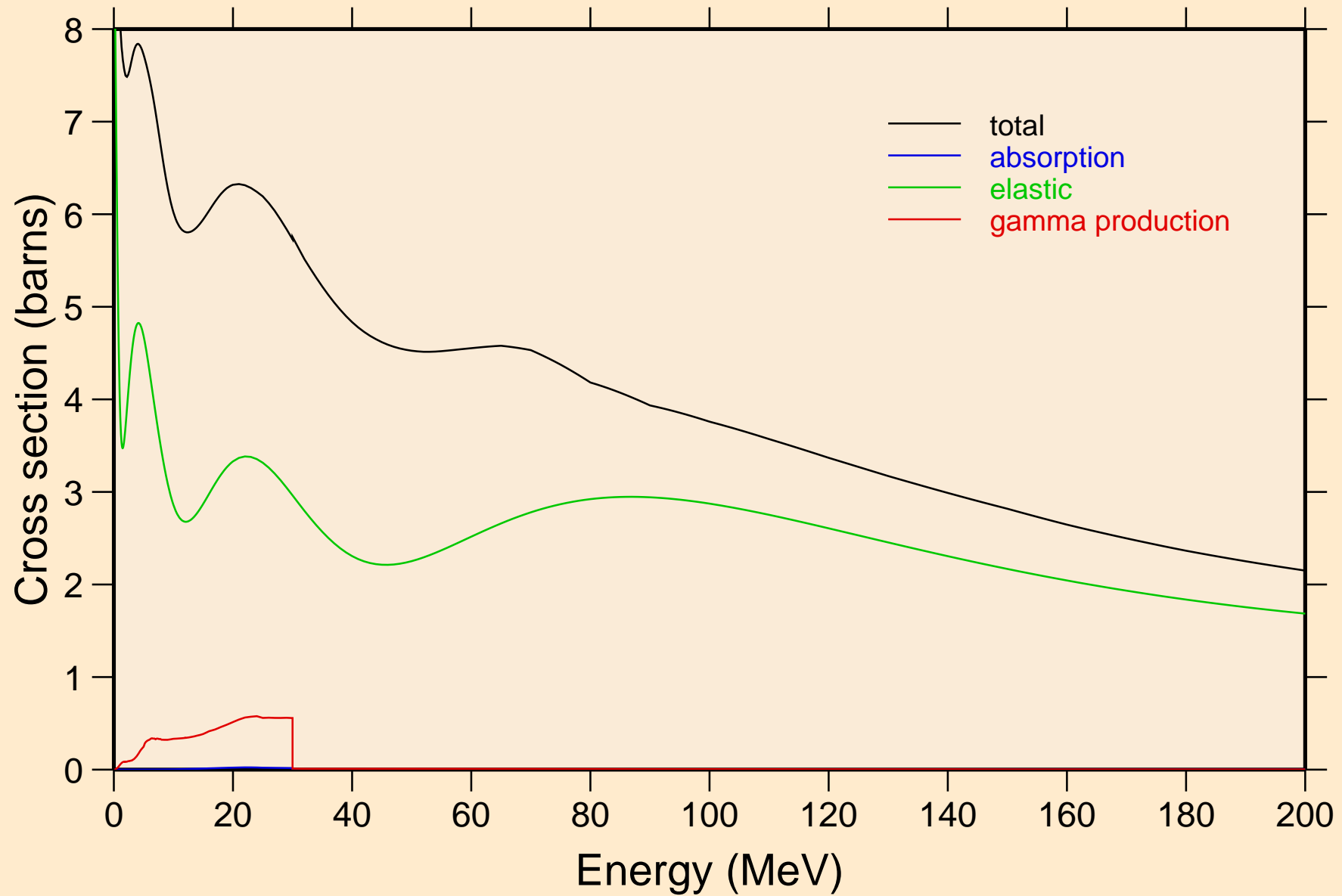


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

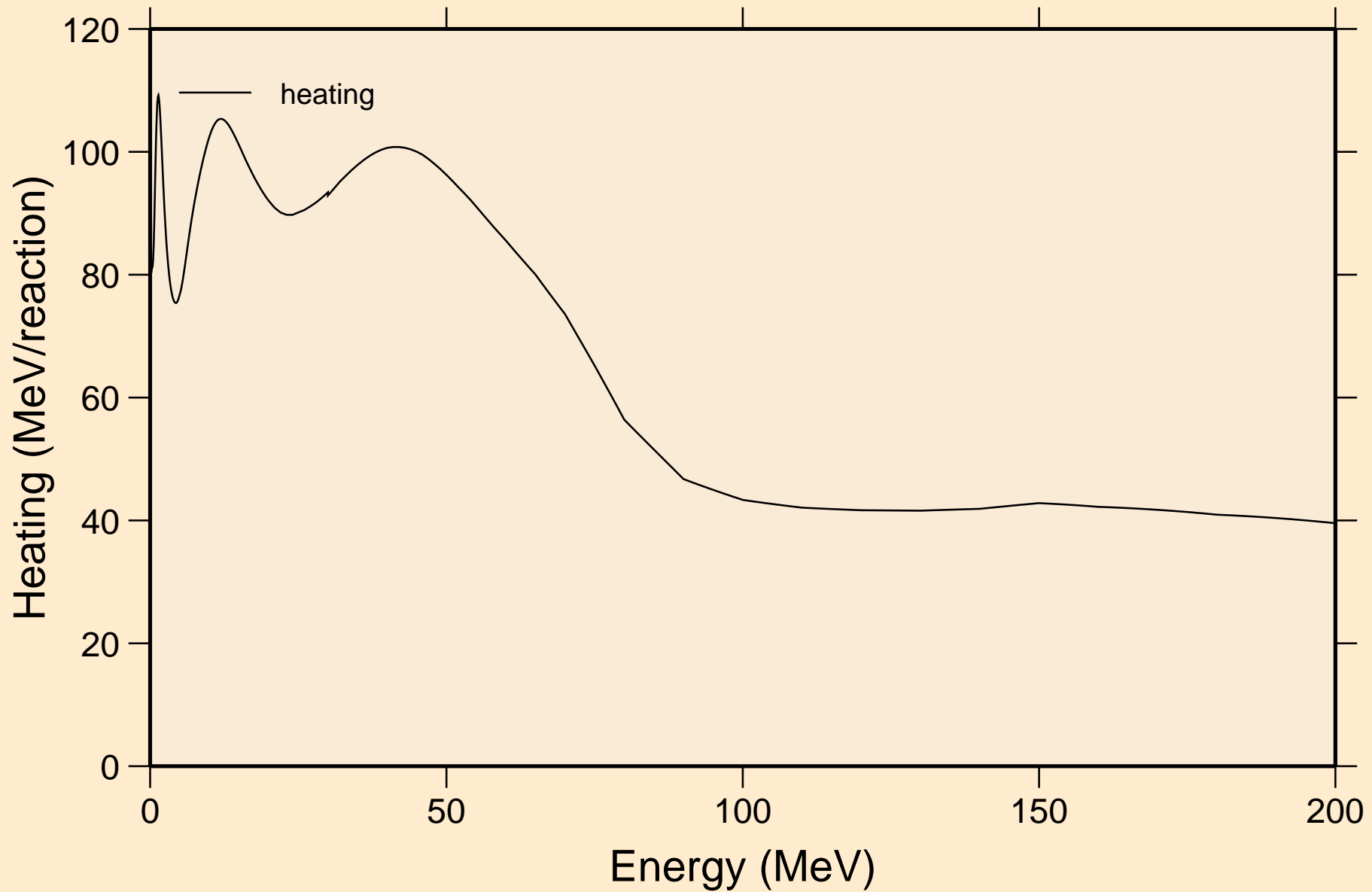


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## Principal cross sections

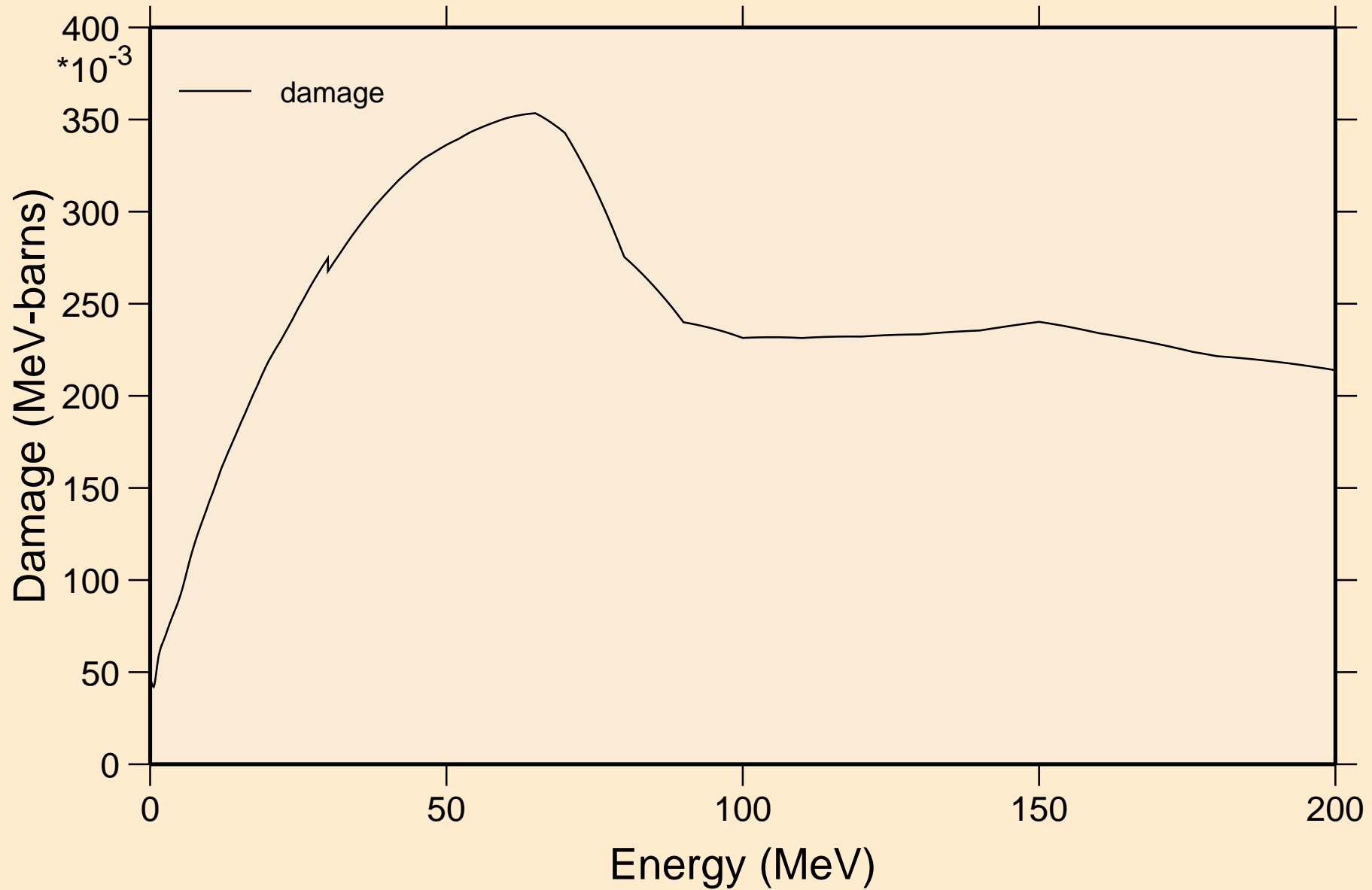


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Heating



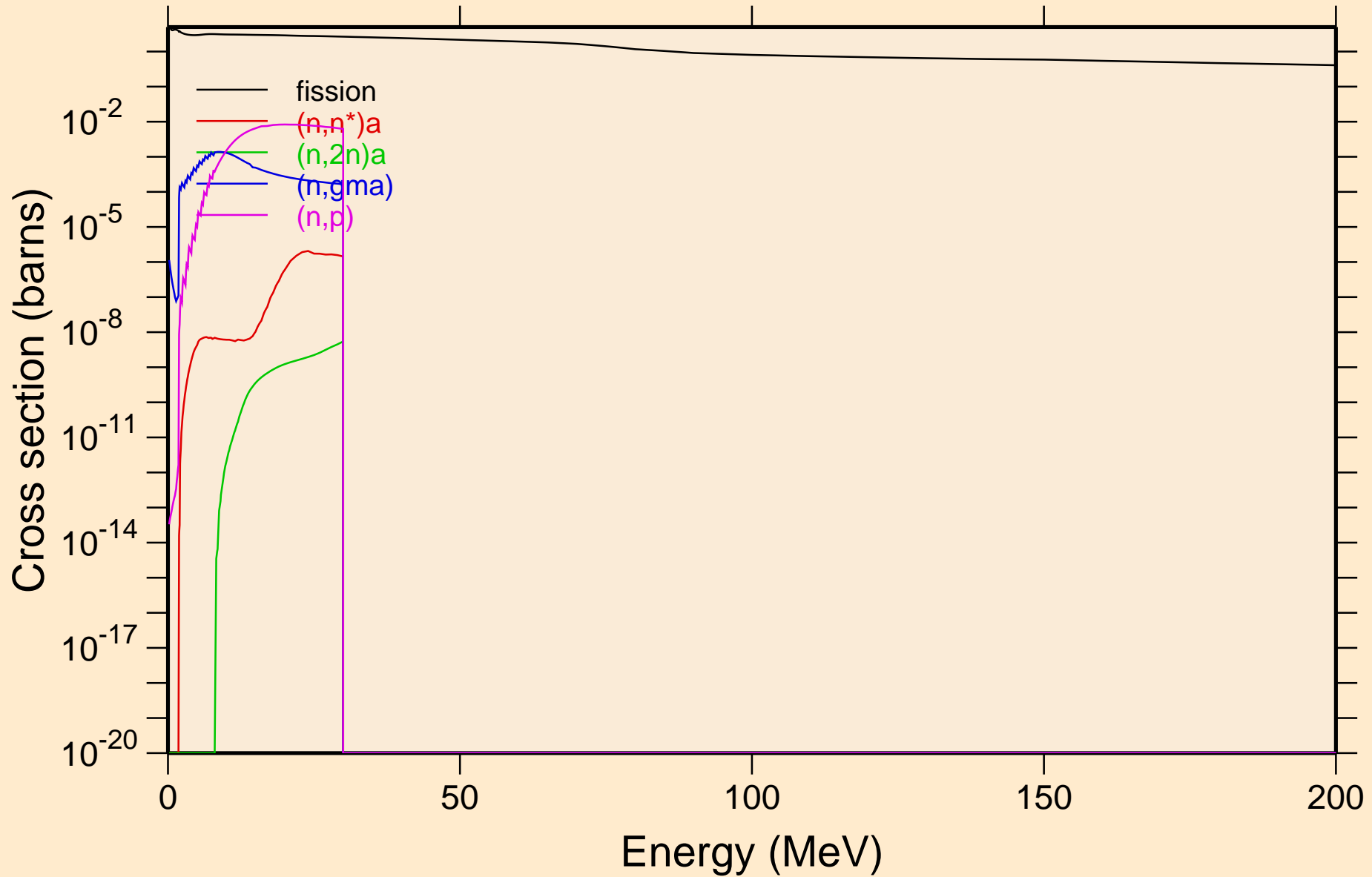


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Damage

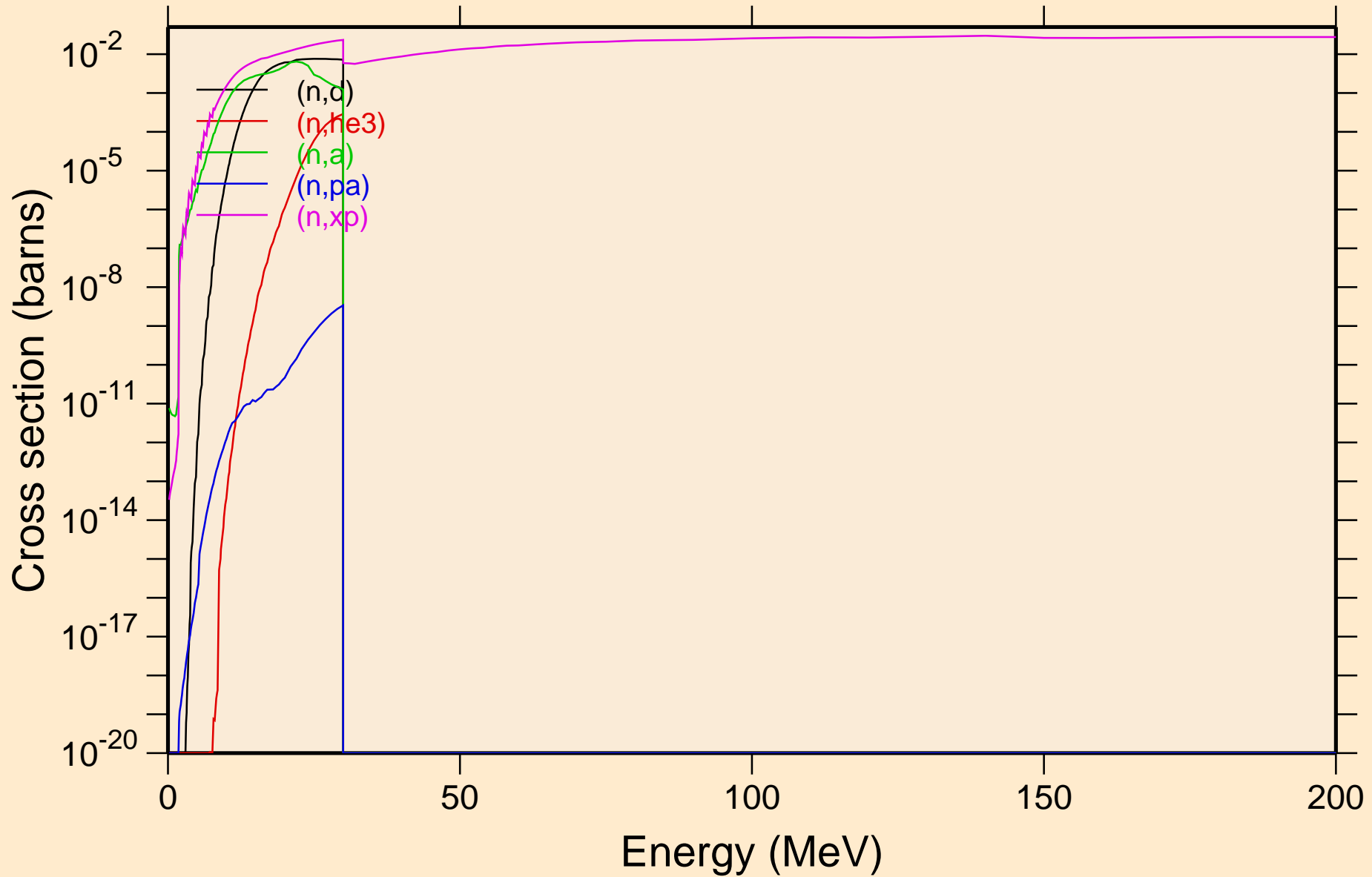


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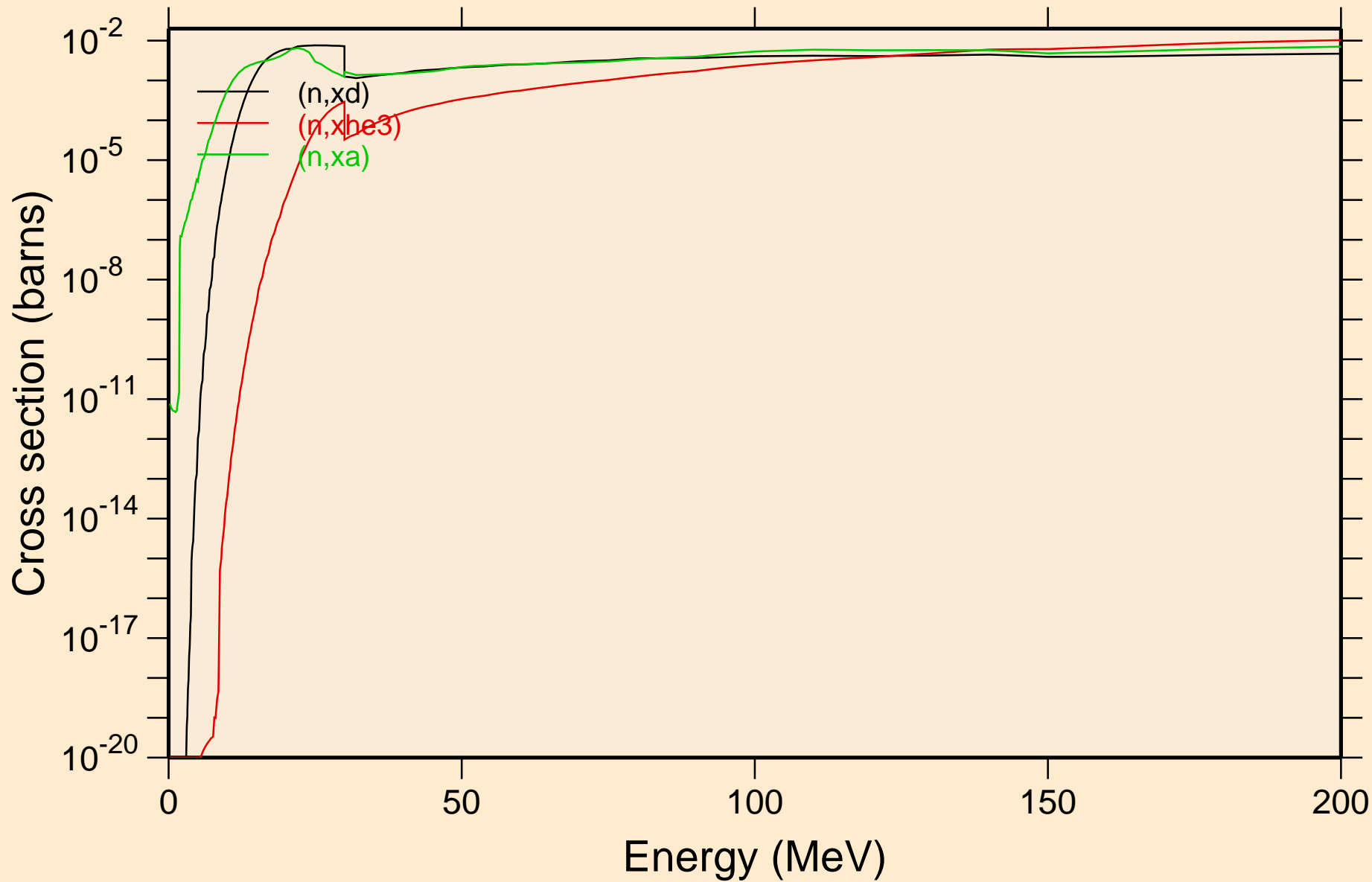
## Non-threshold reactions



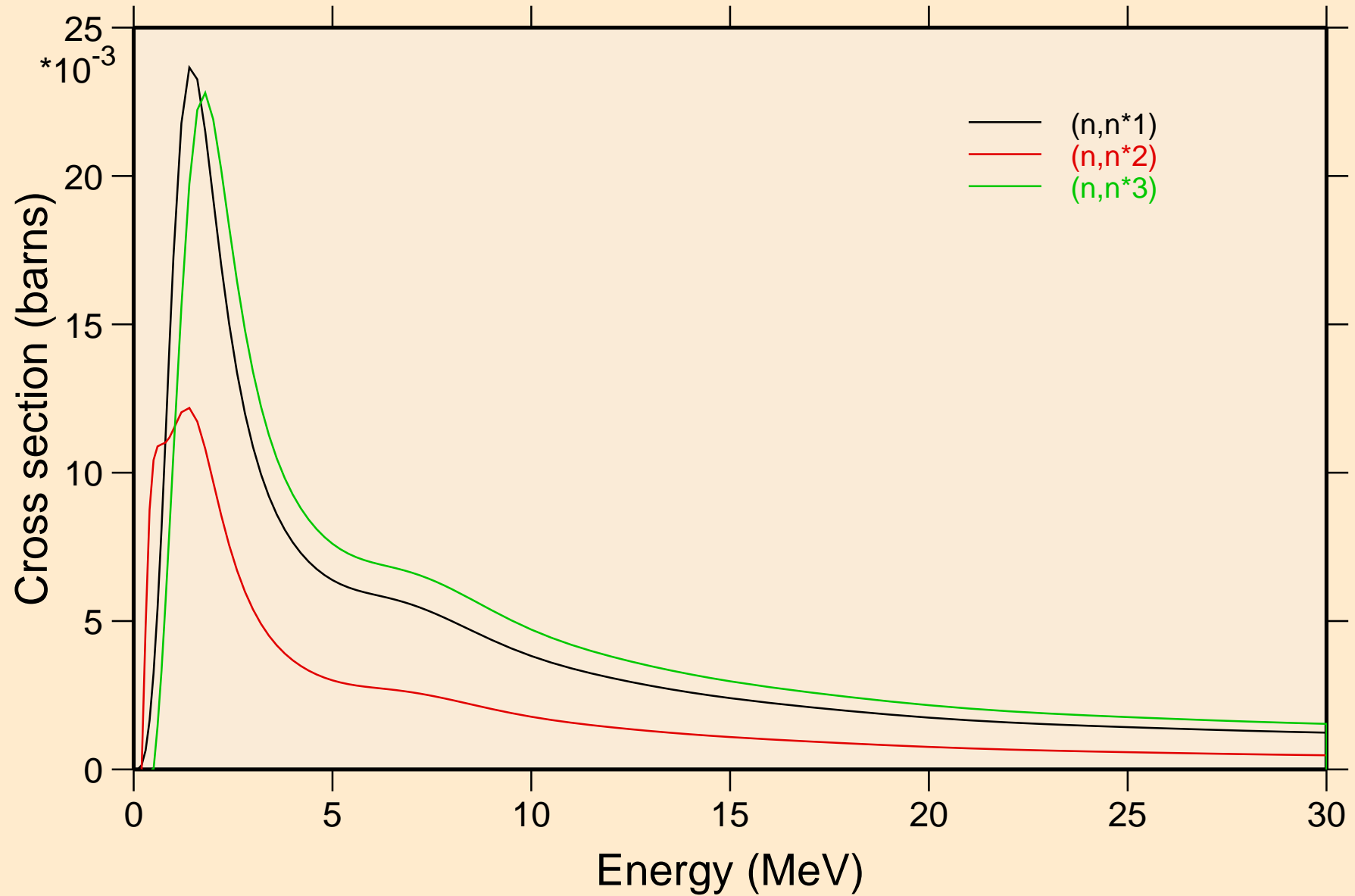
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Non-threshold reactions



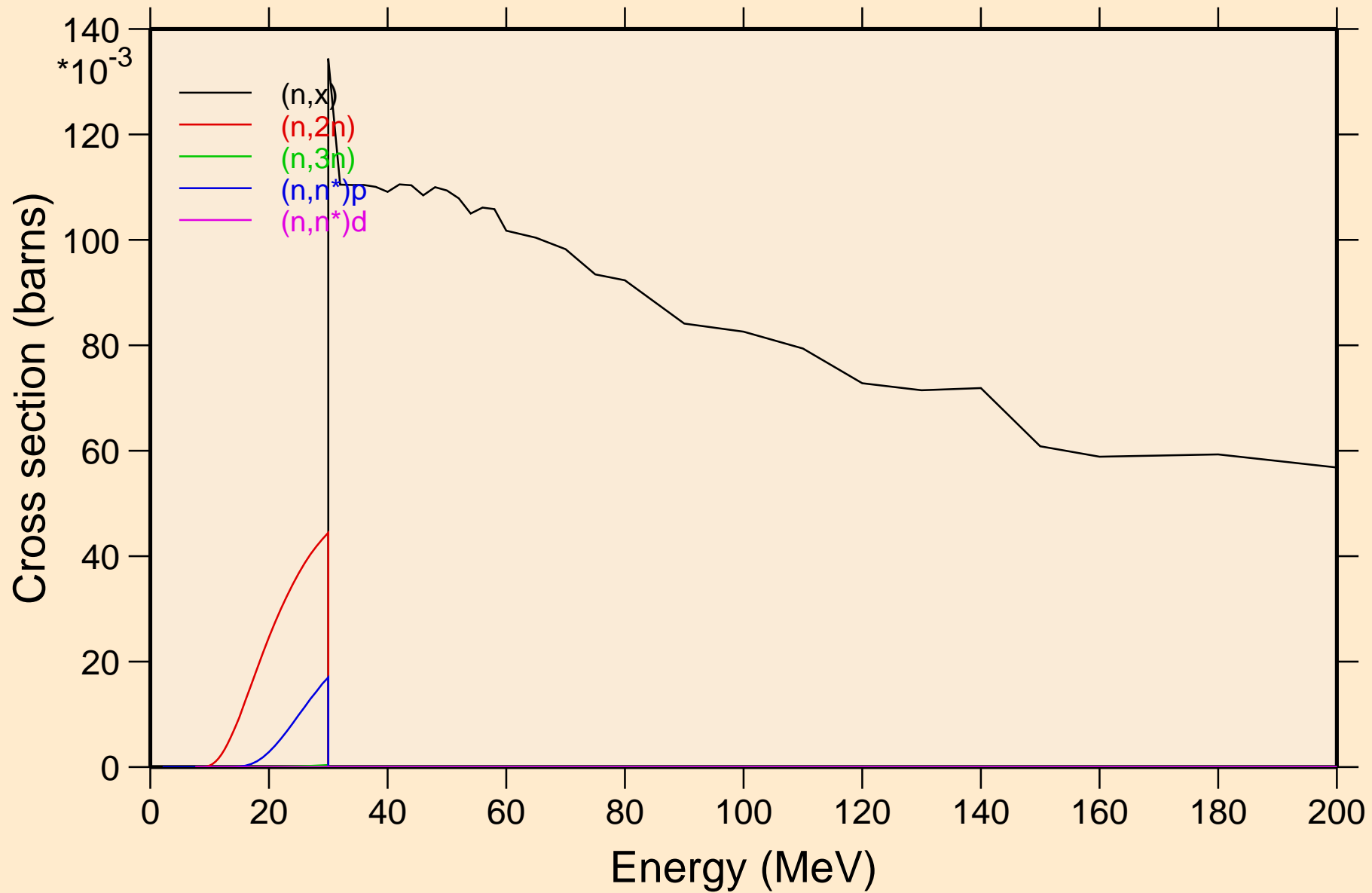
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Non-threshold reactions



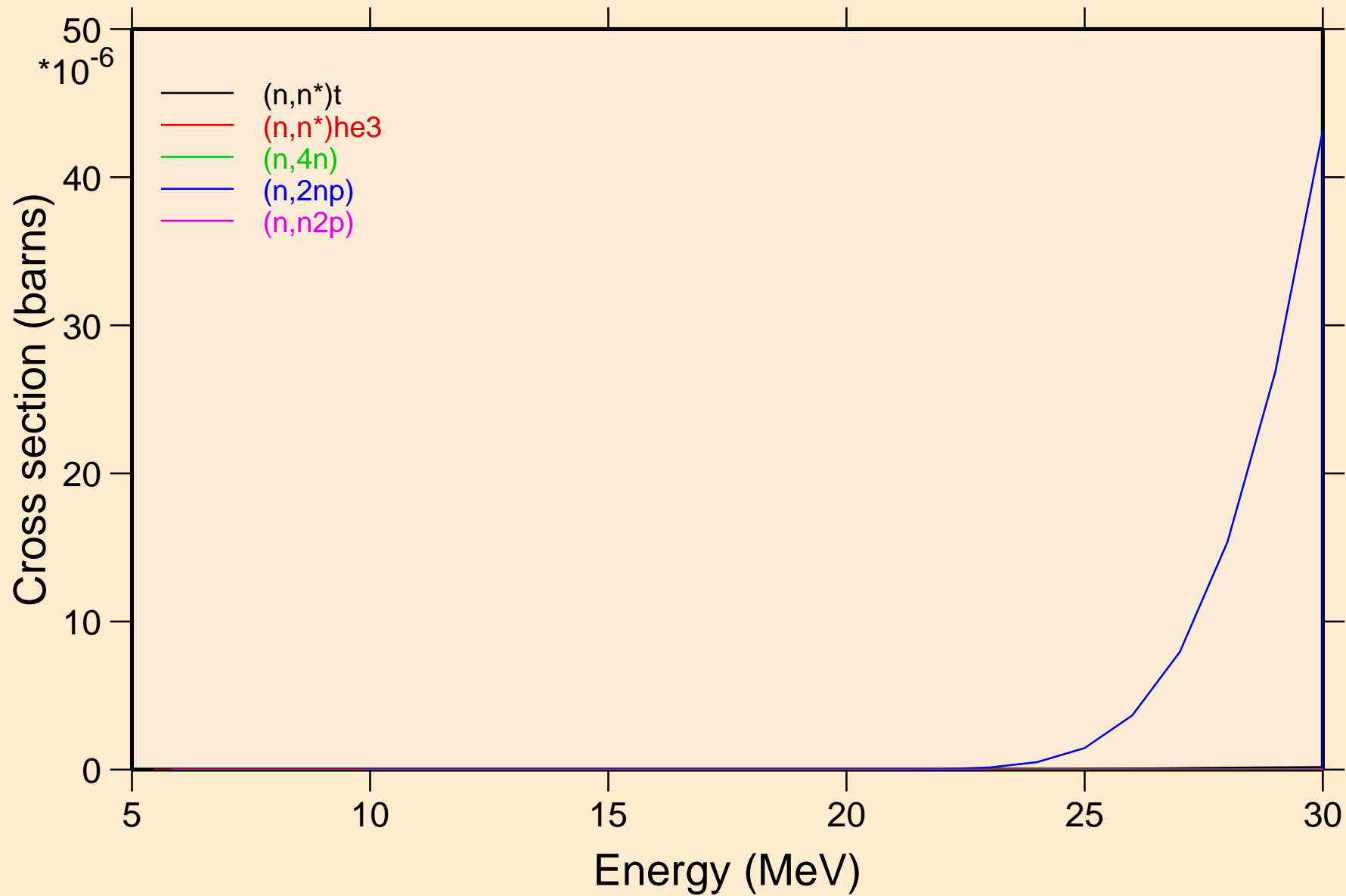
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Inelastic levels



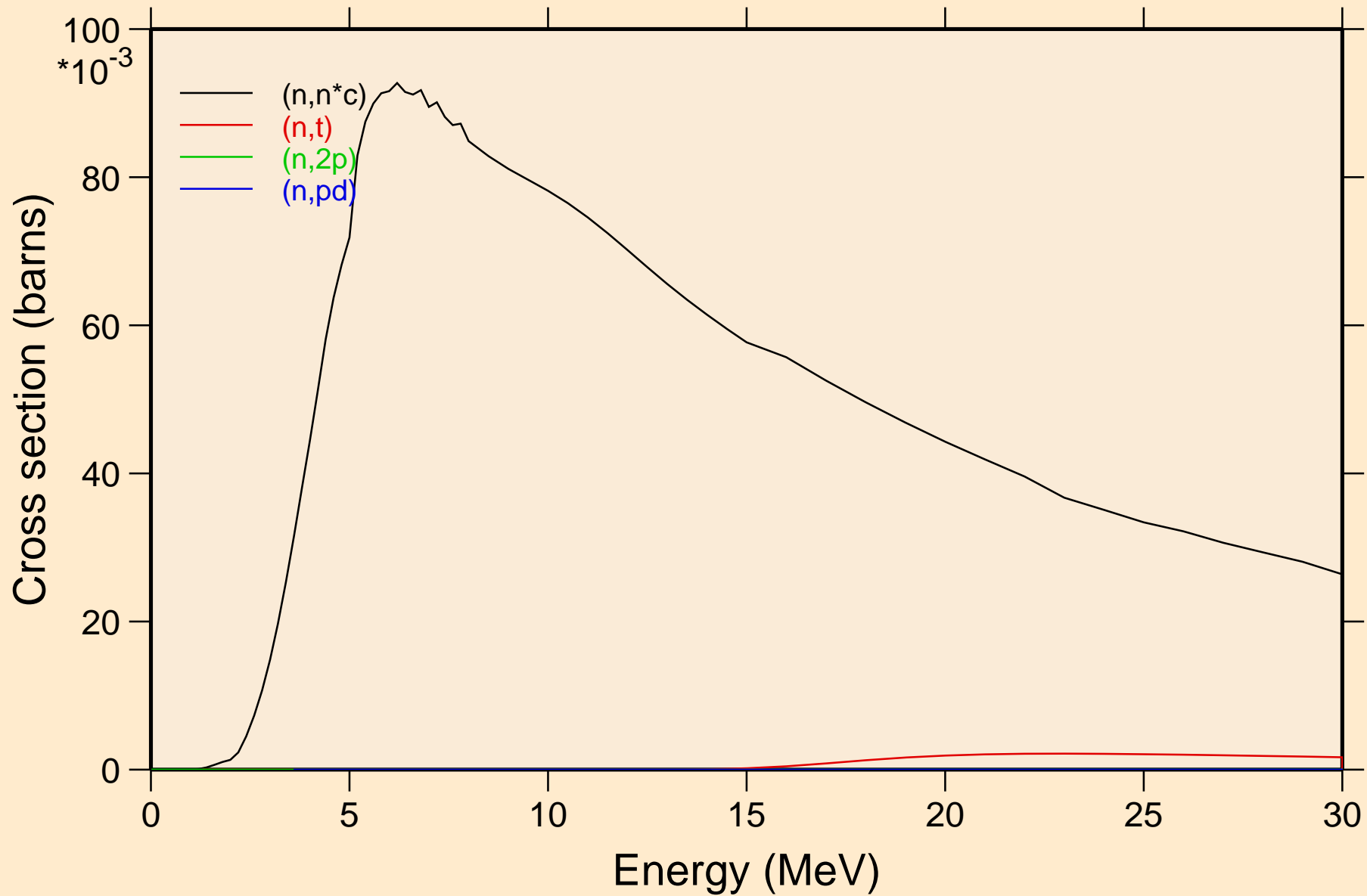
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Threshold reactions



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

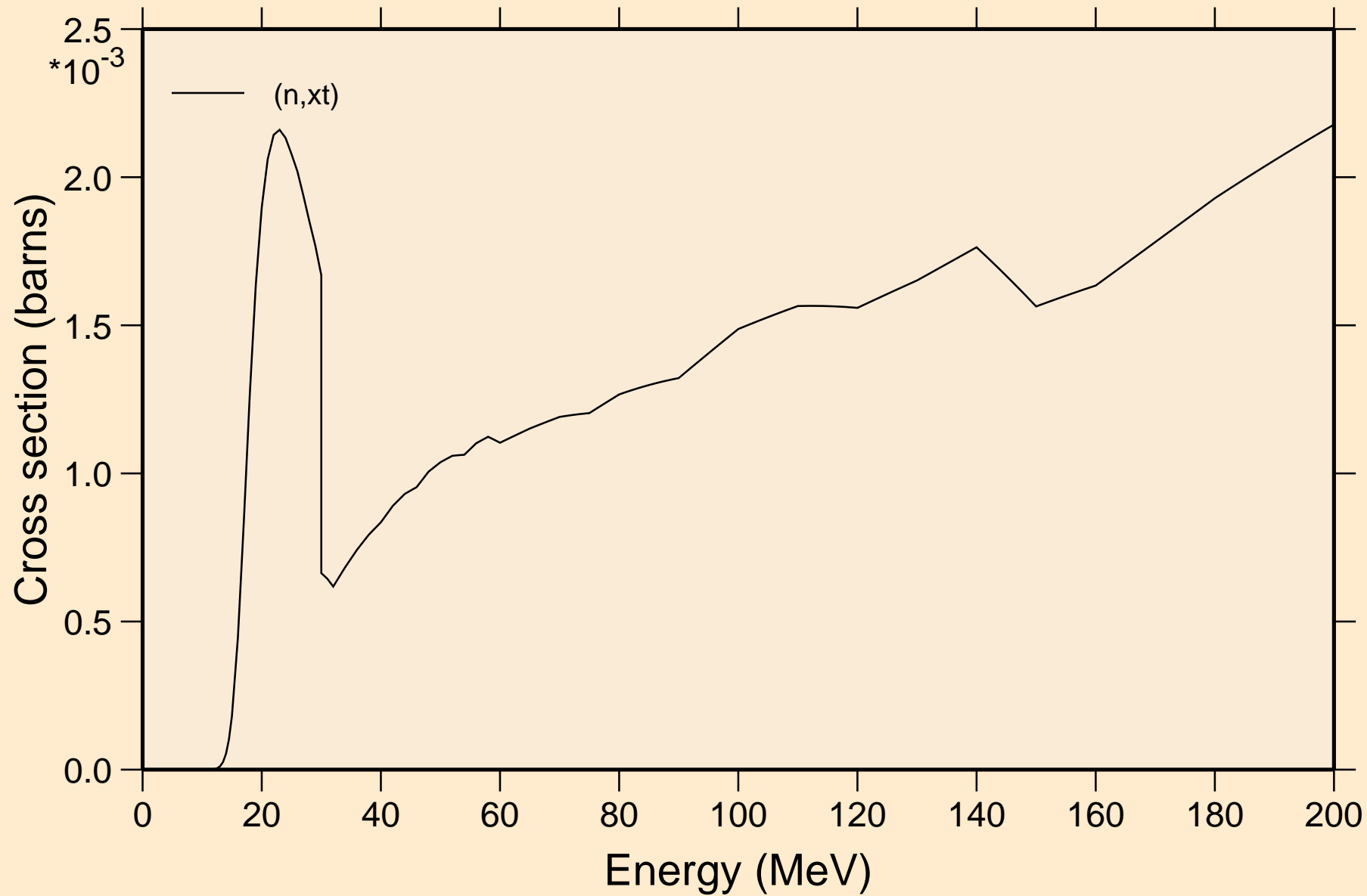


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Threshold reactions

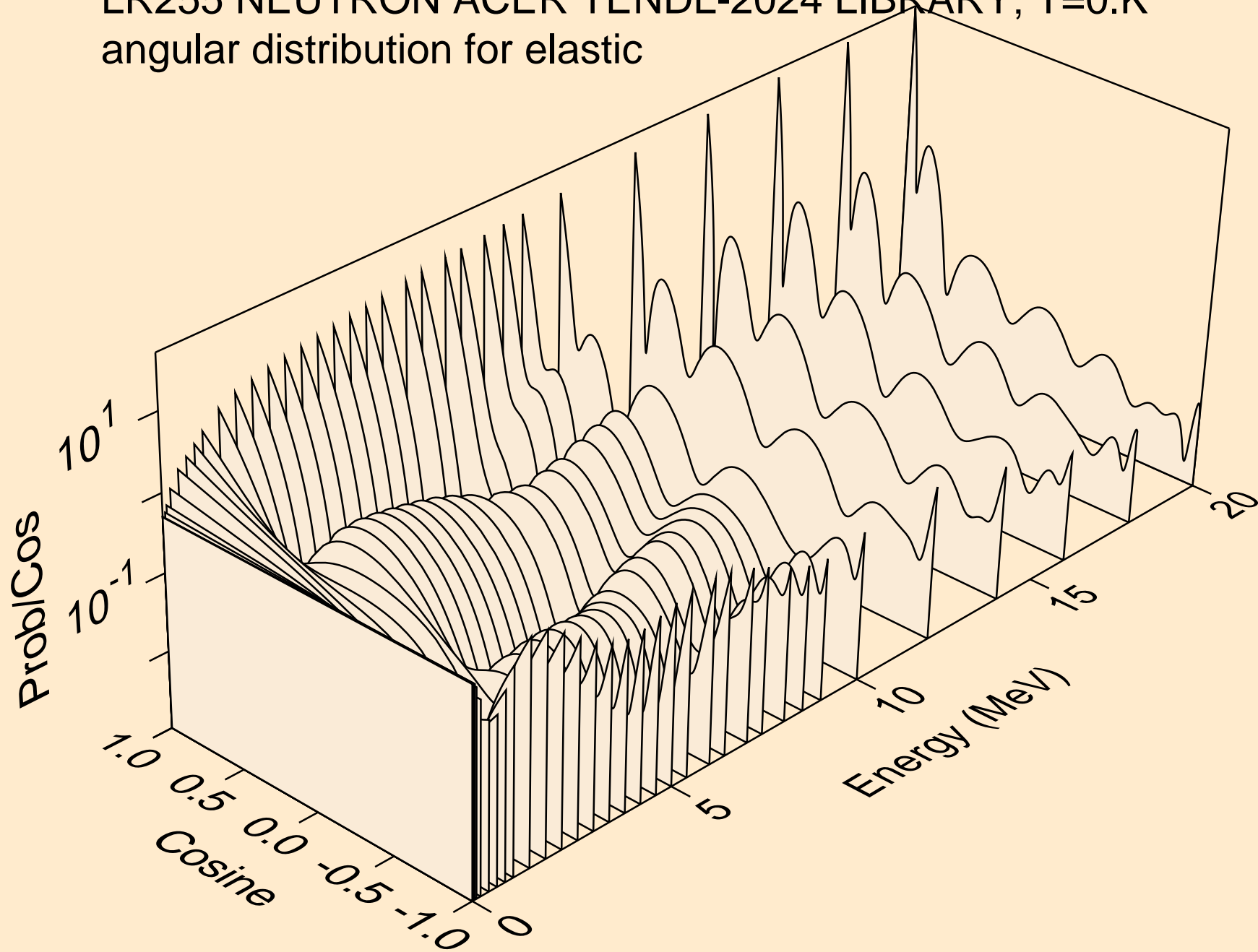




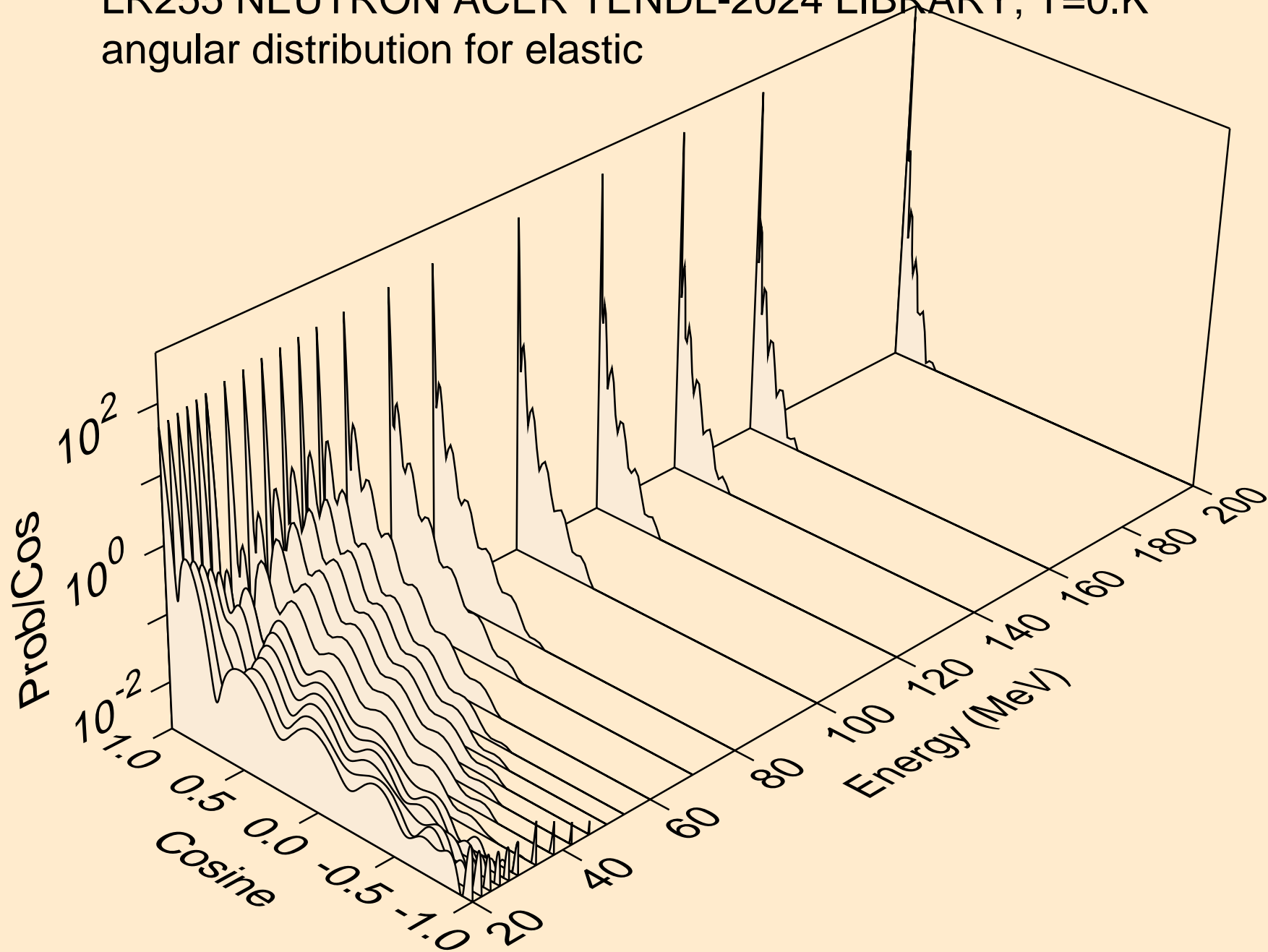
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Threshold reactions



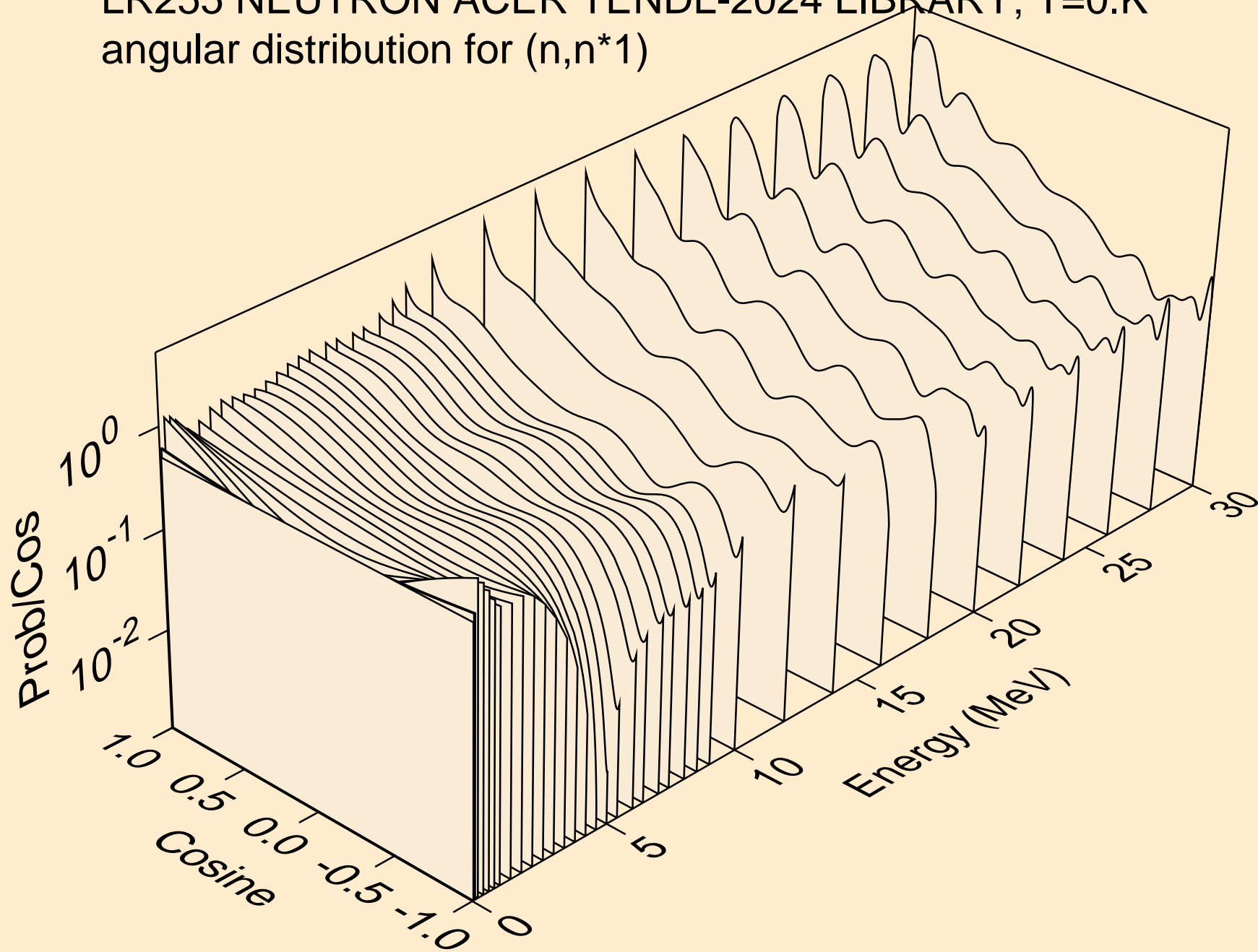
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



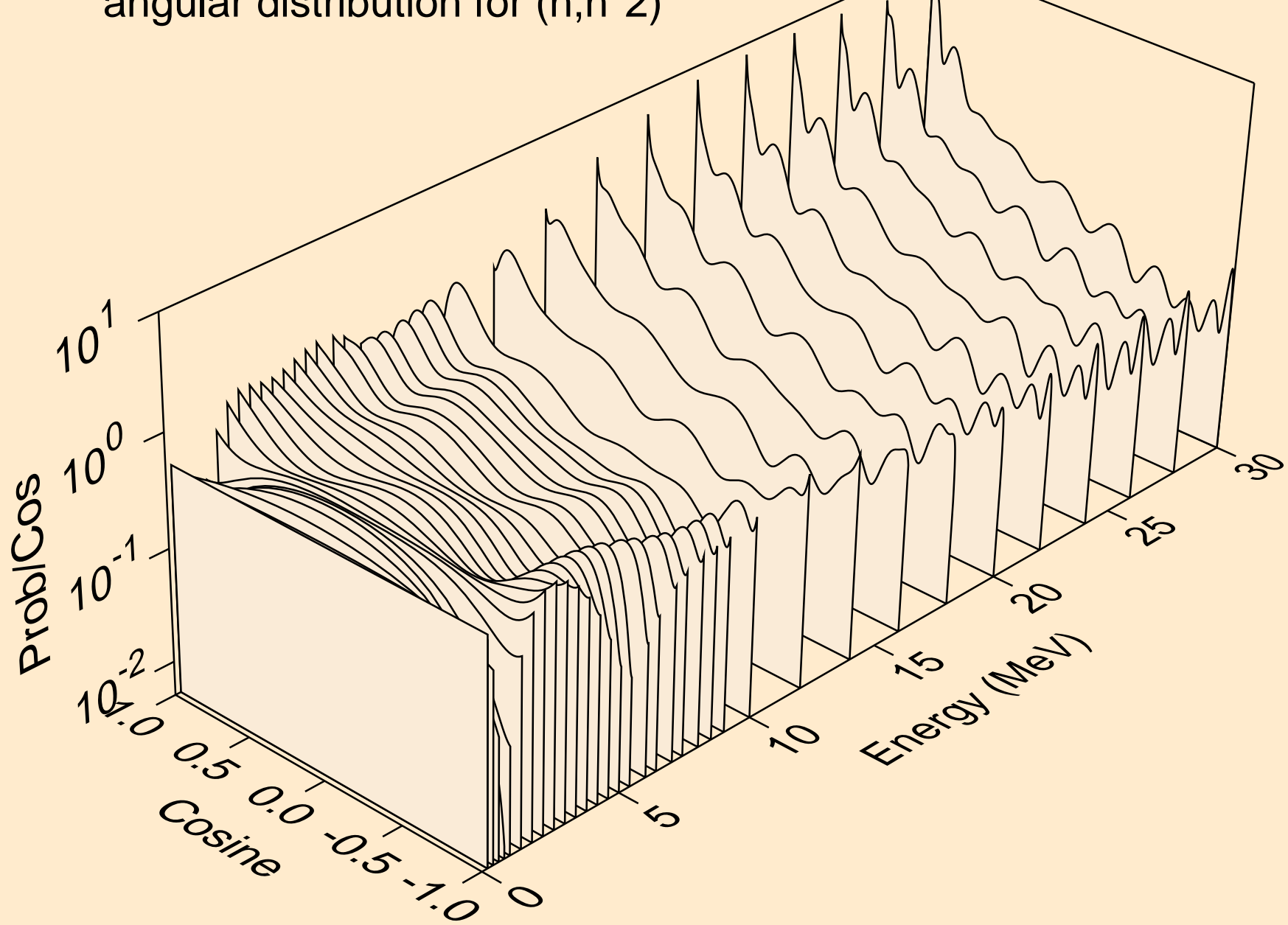
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angular distribution for elastic



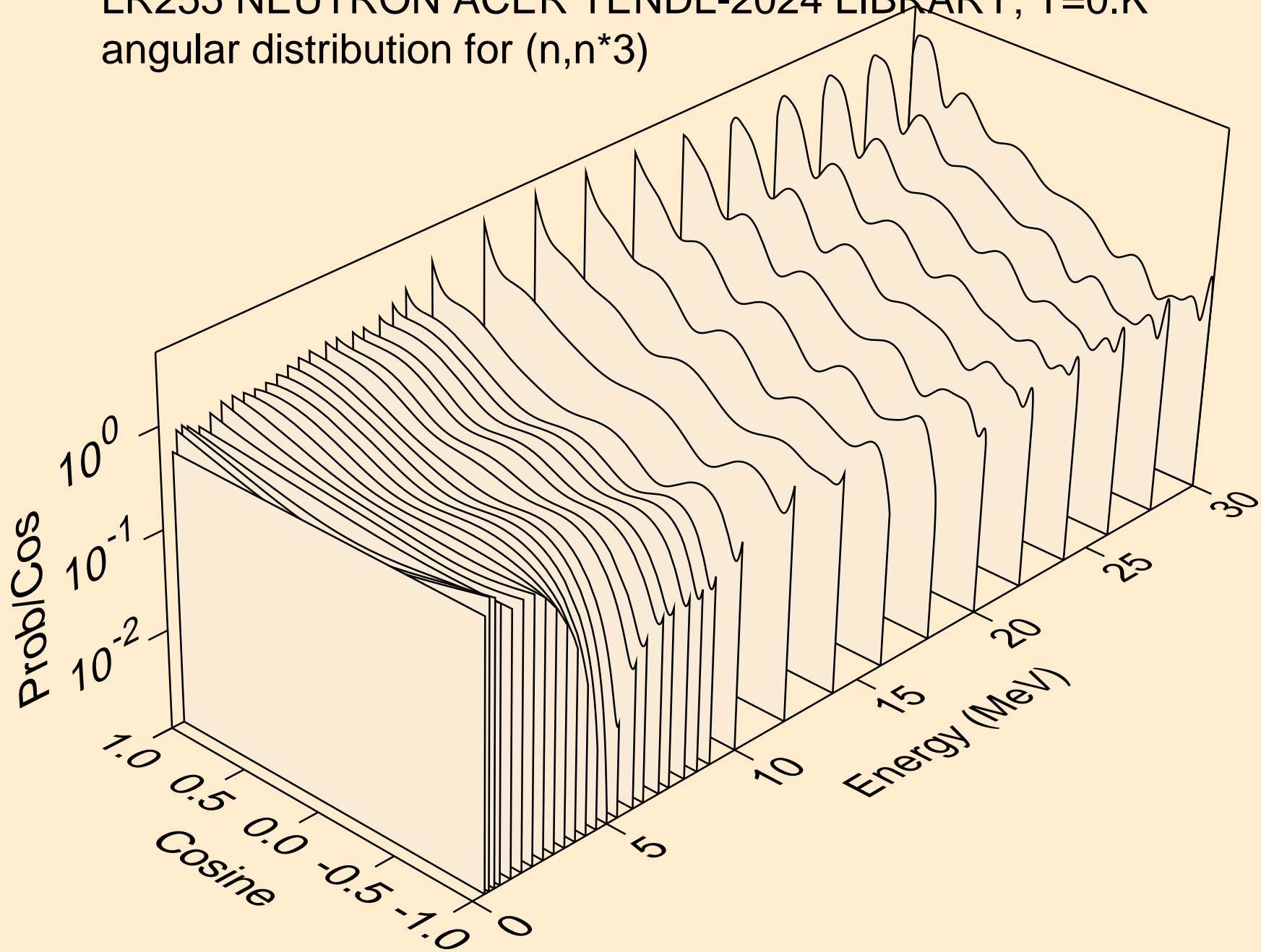
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

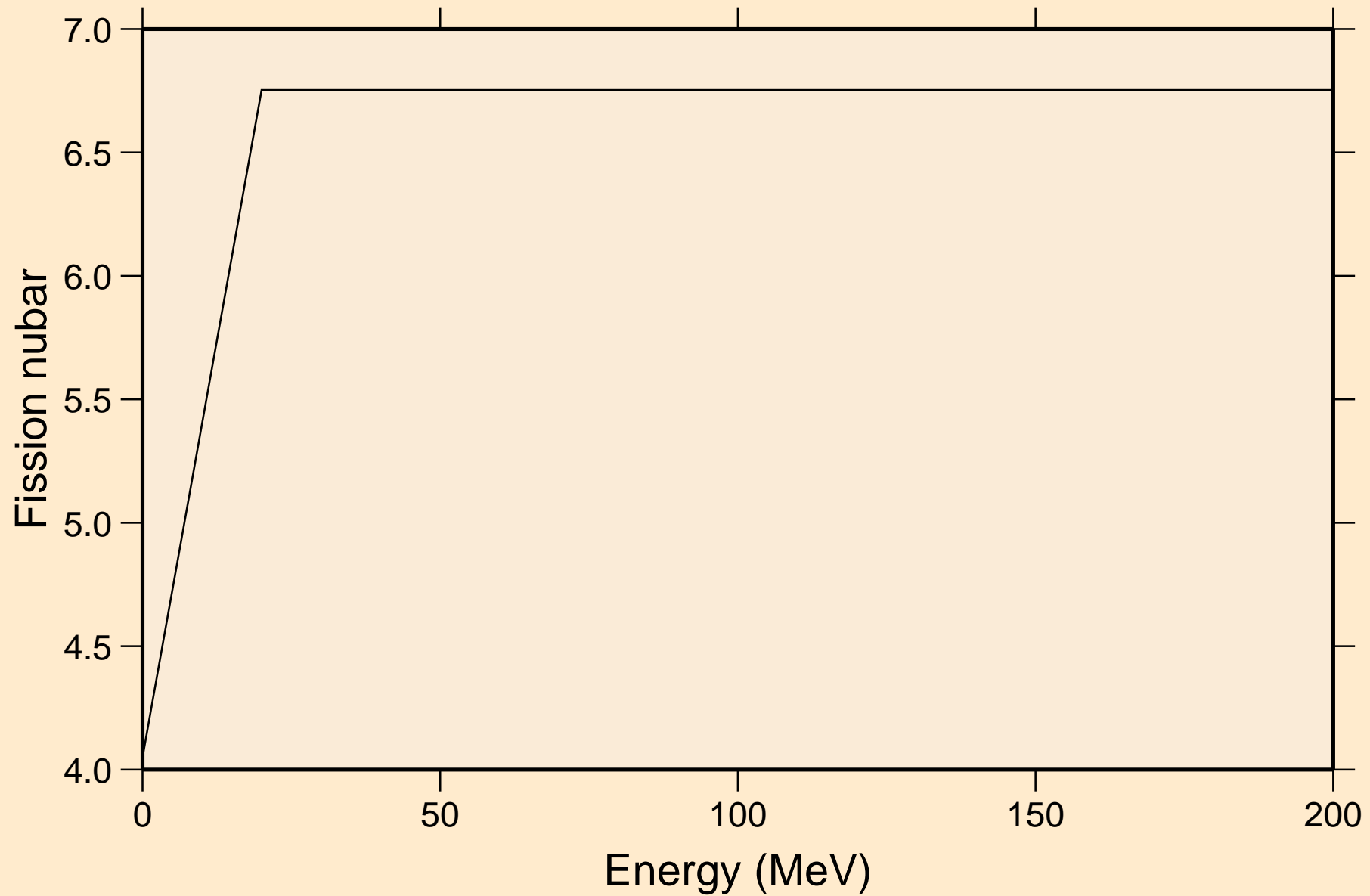


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

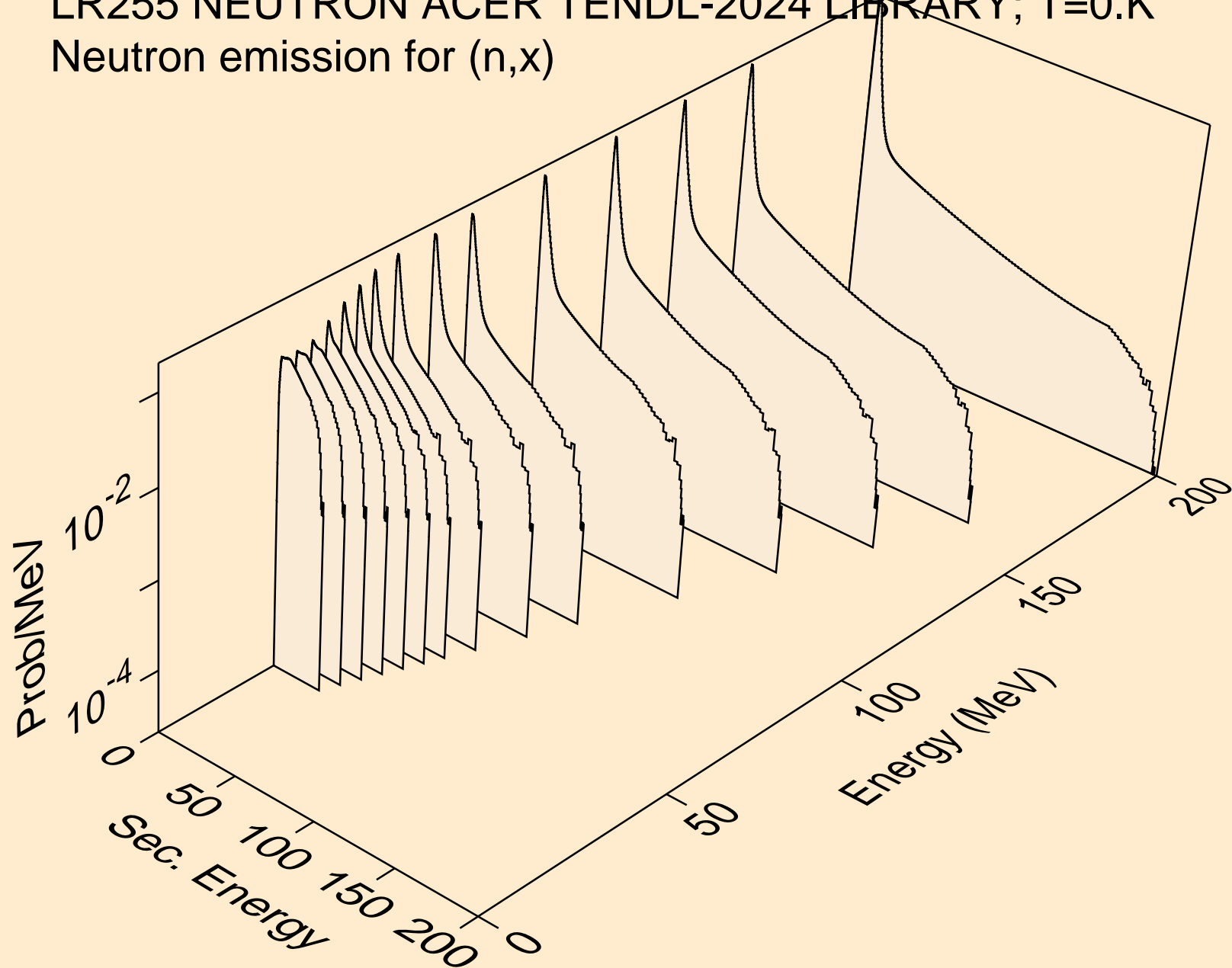


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Total fission nubar

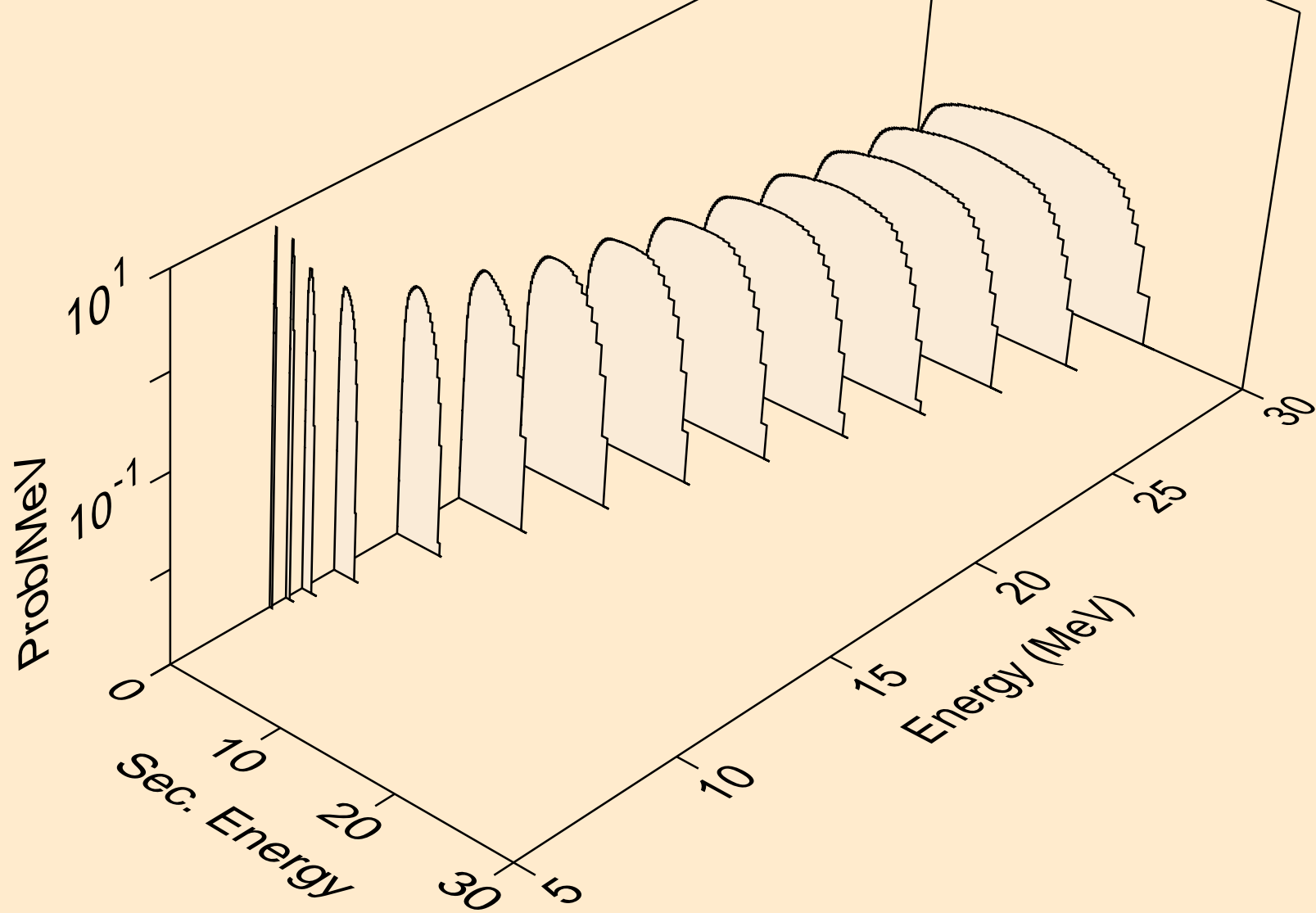


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

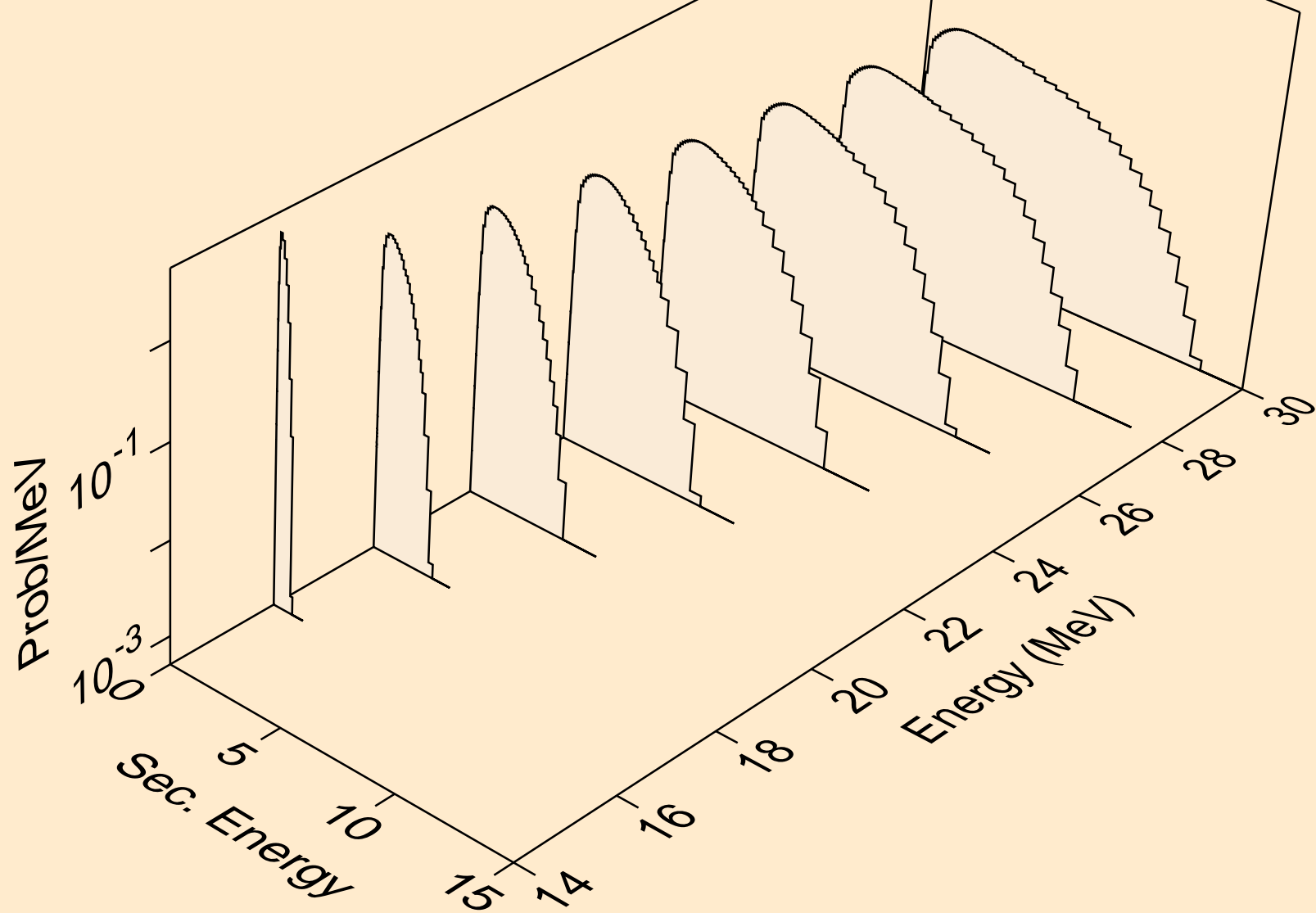




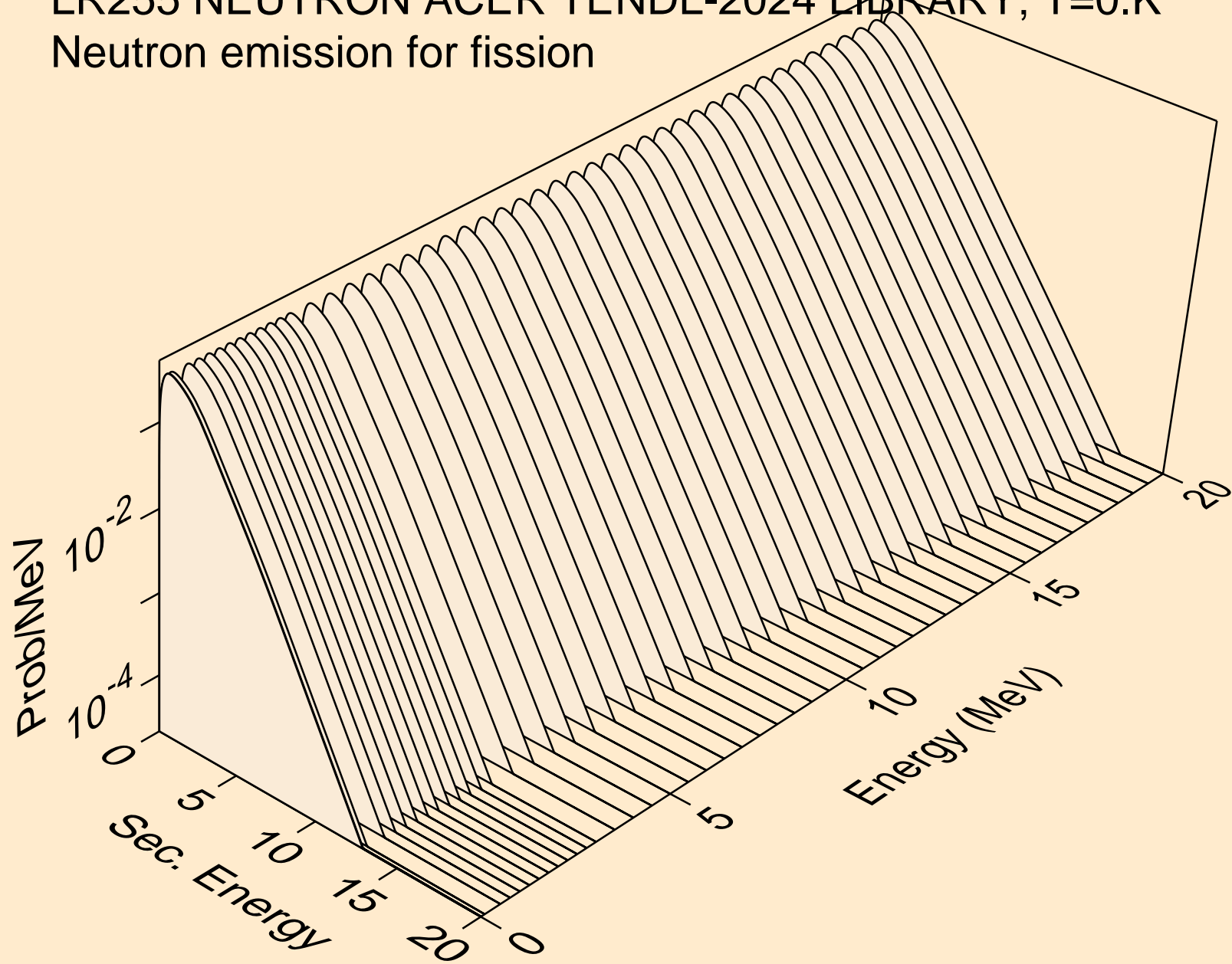
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Neutron emission for (n,2n)



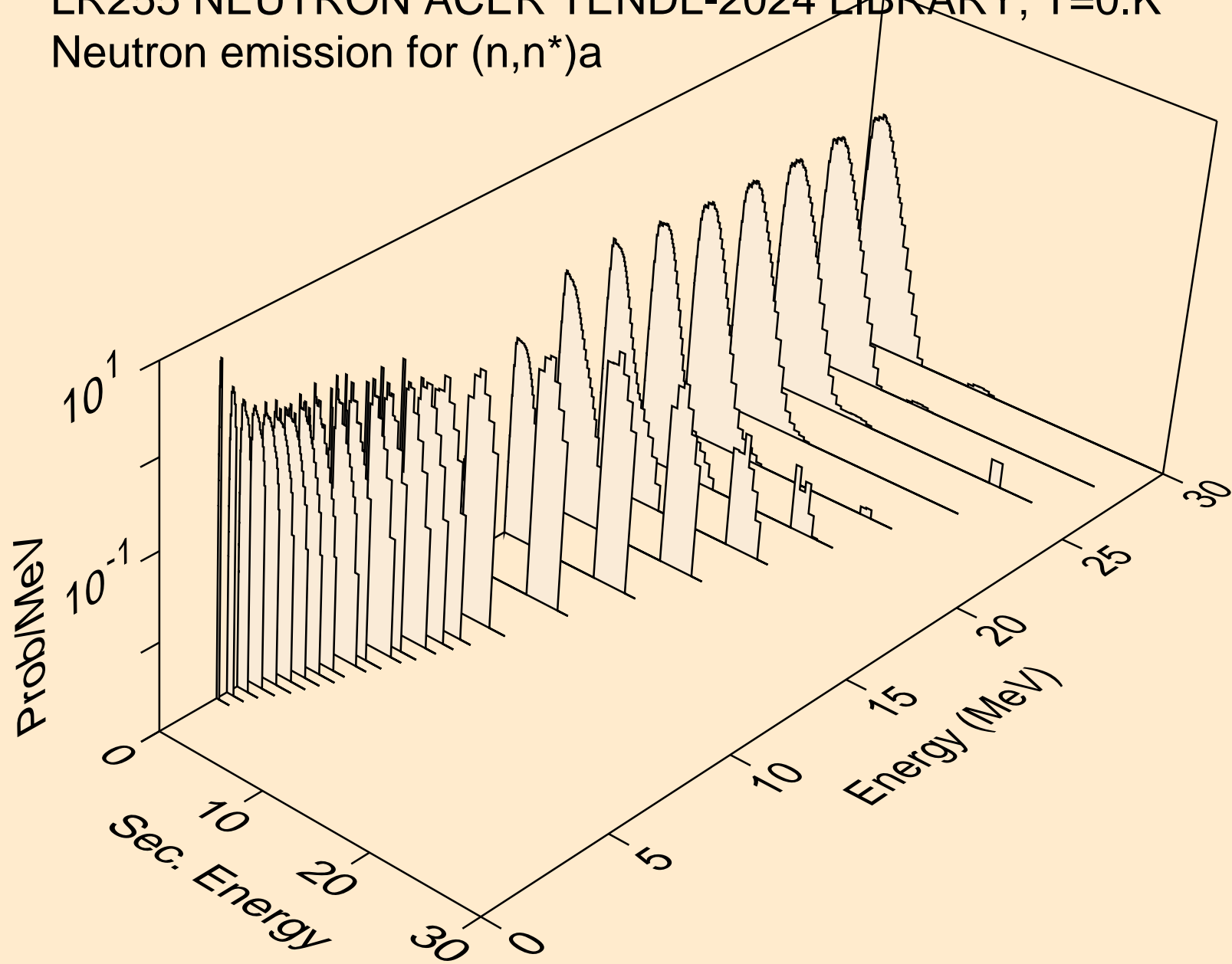
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



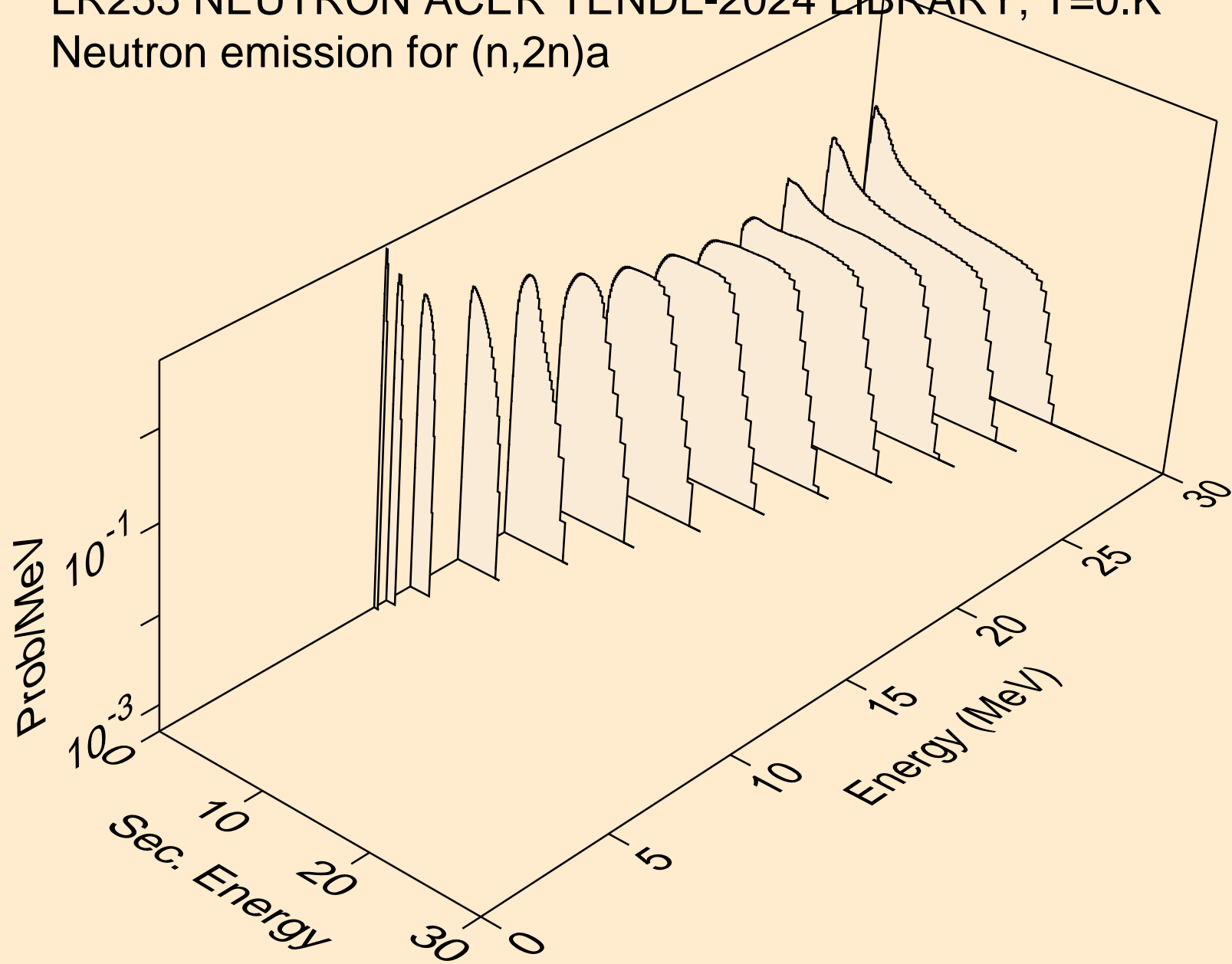
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Neutron emission for fission



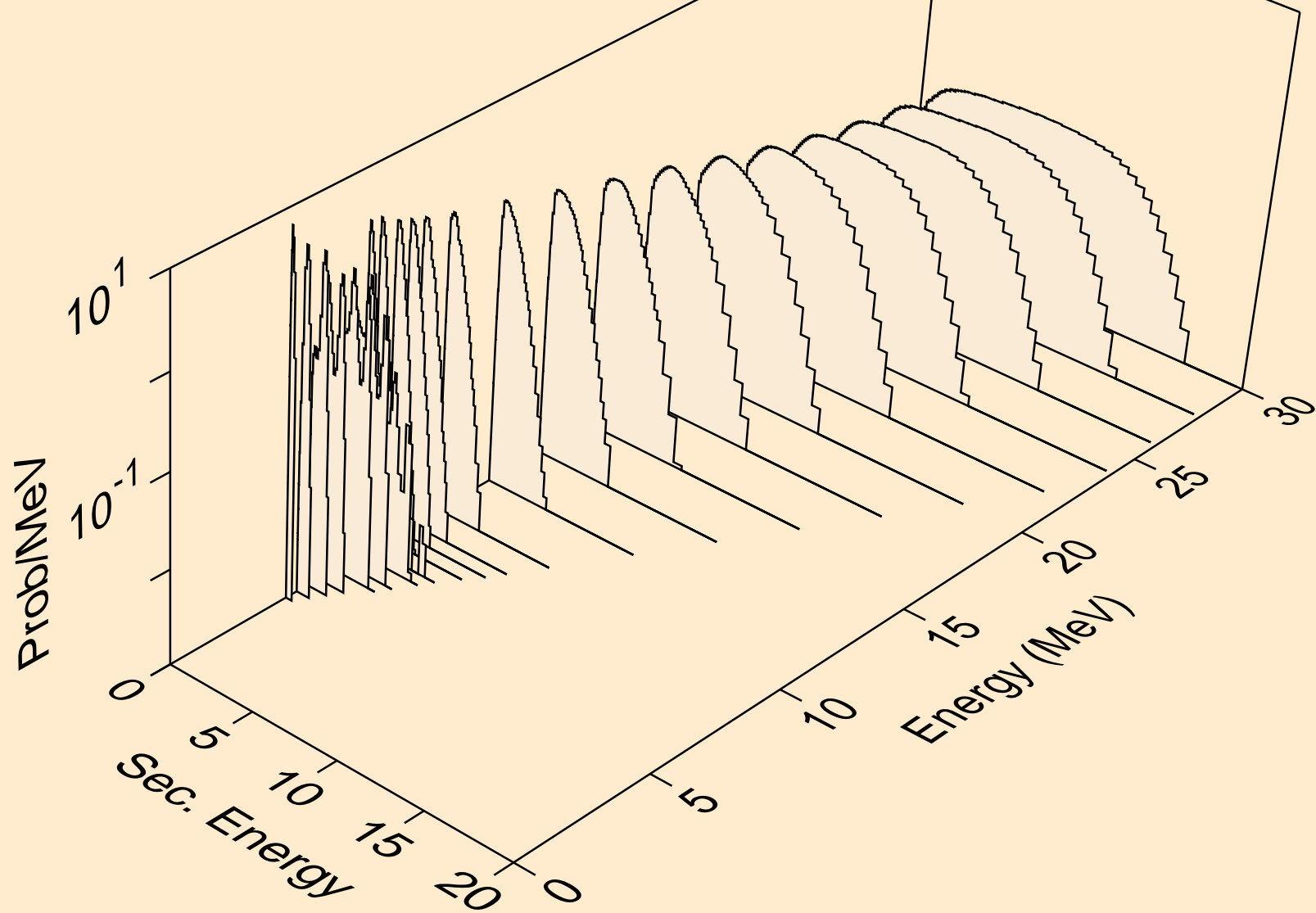
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



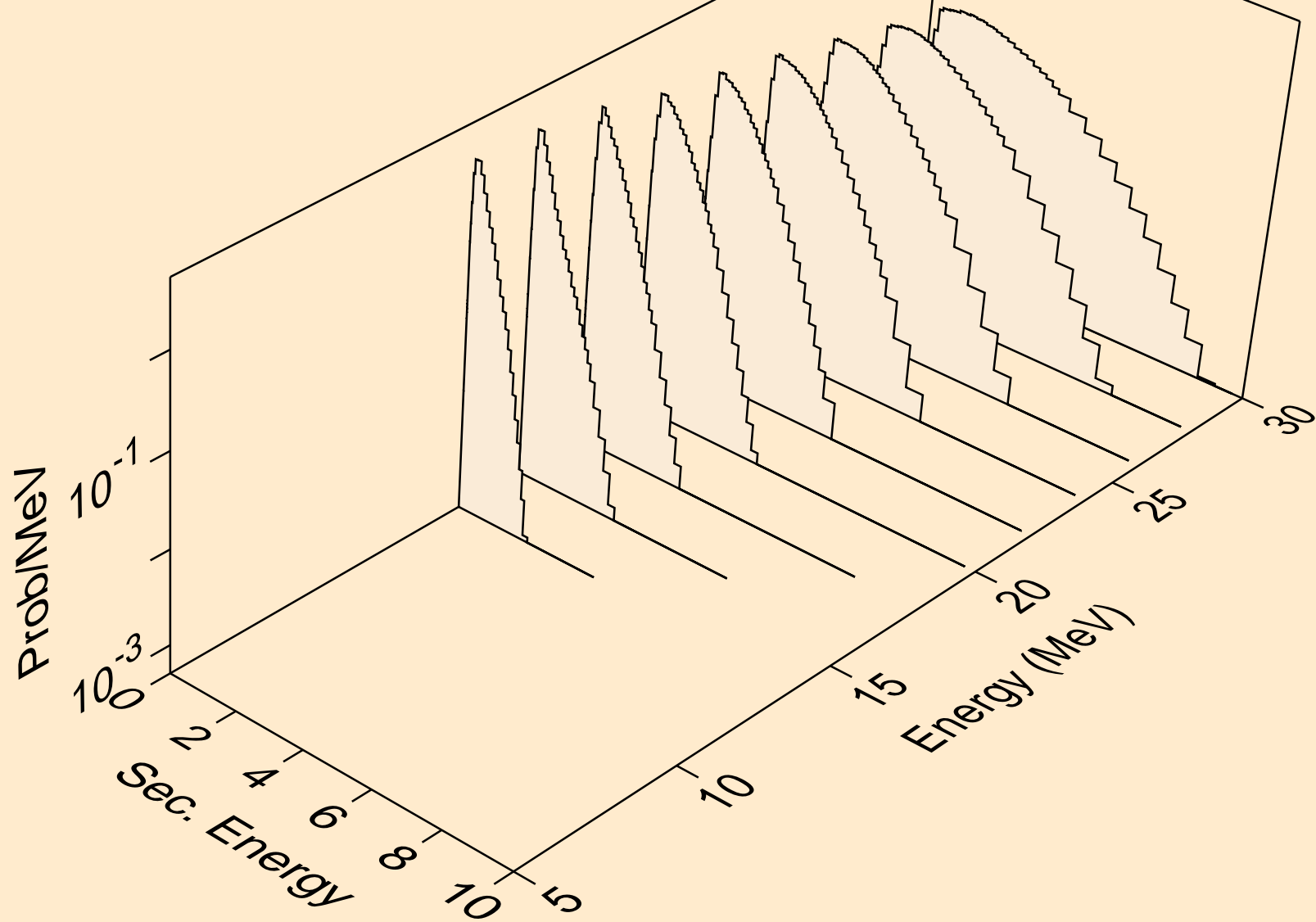
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Neutron emission for (n,2n)a



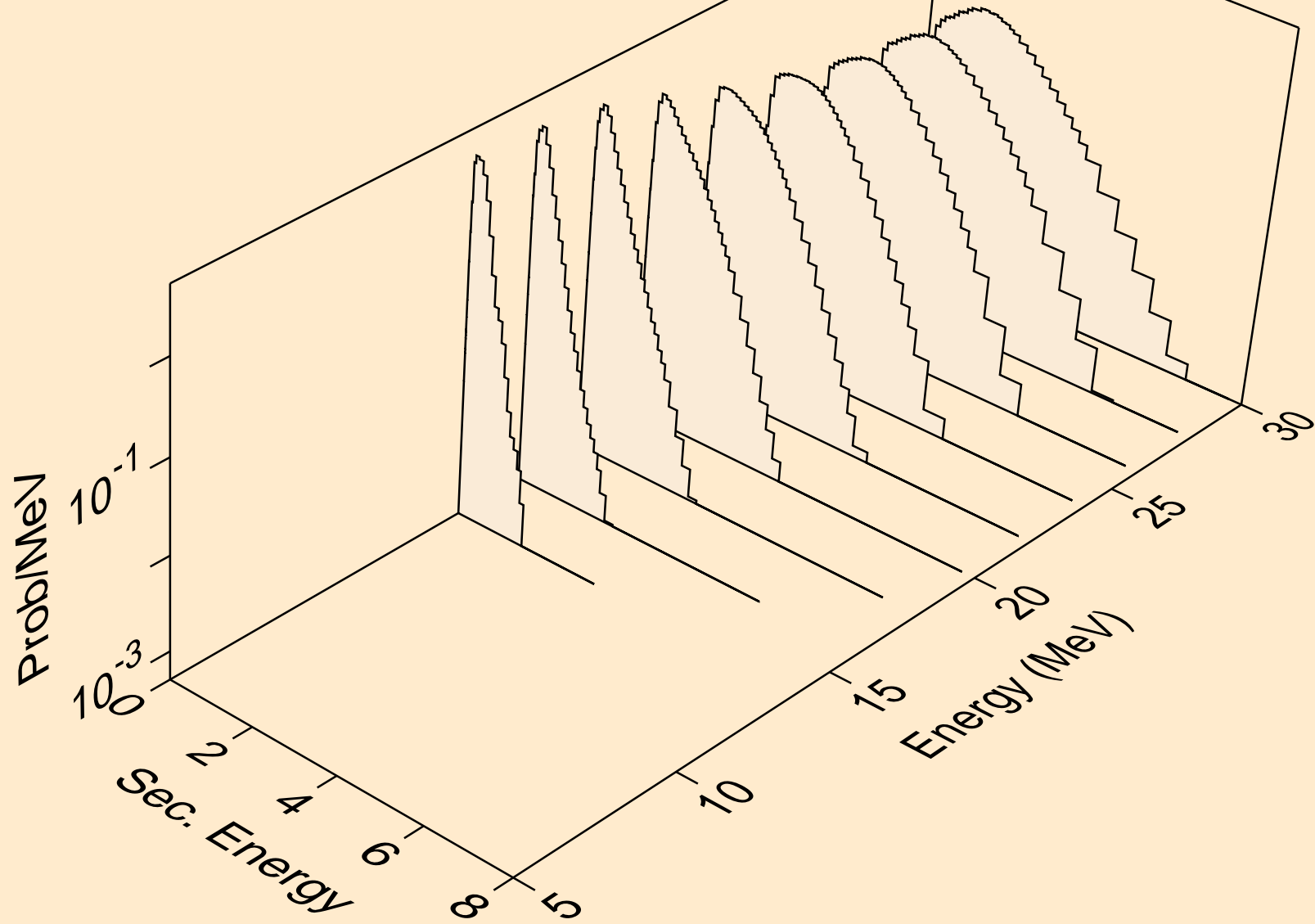
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

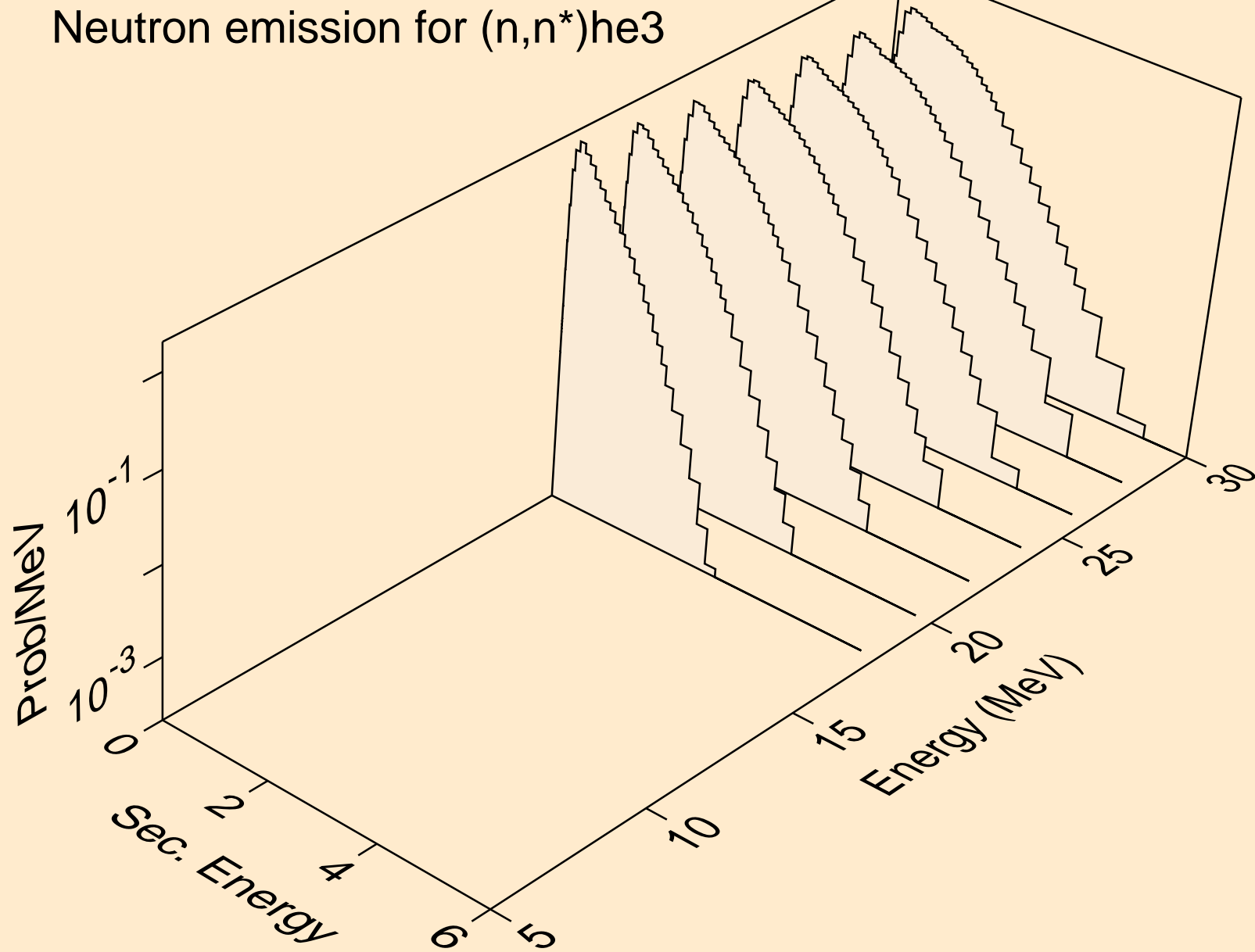


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

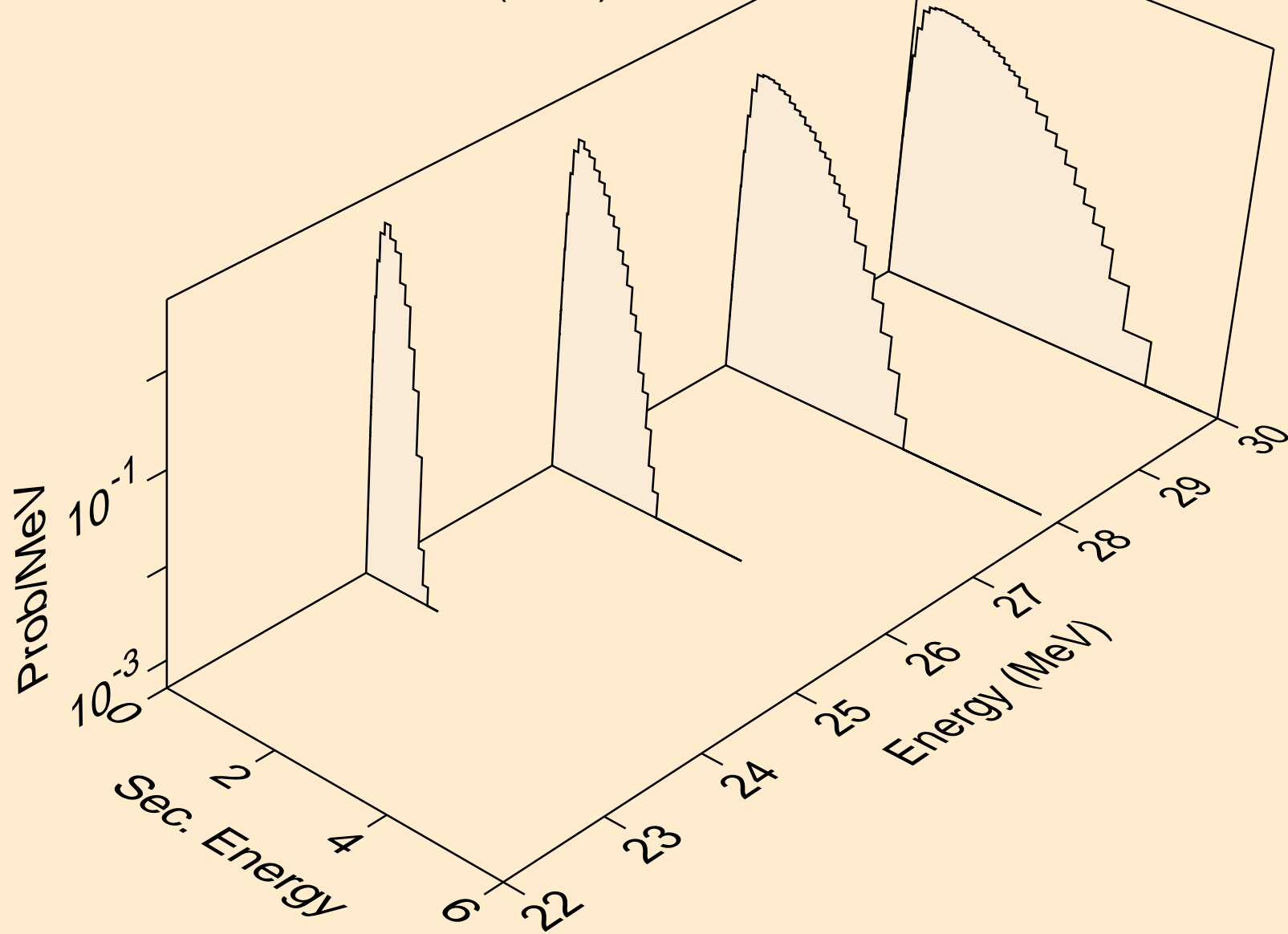




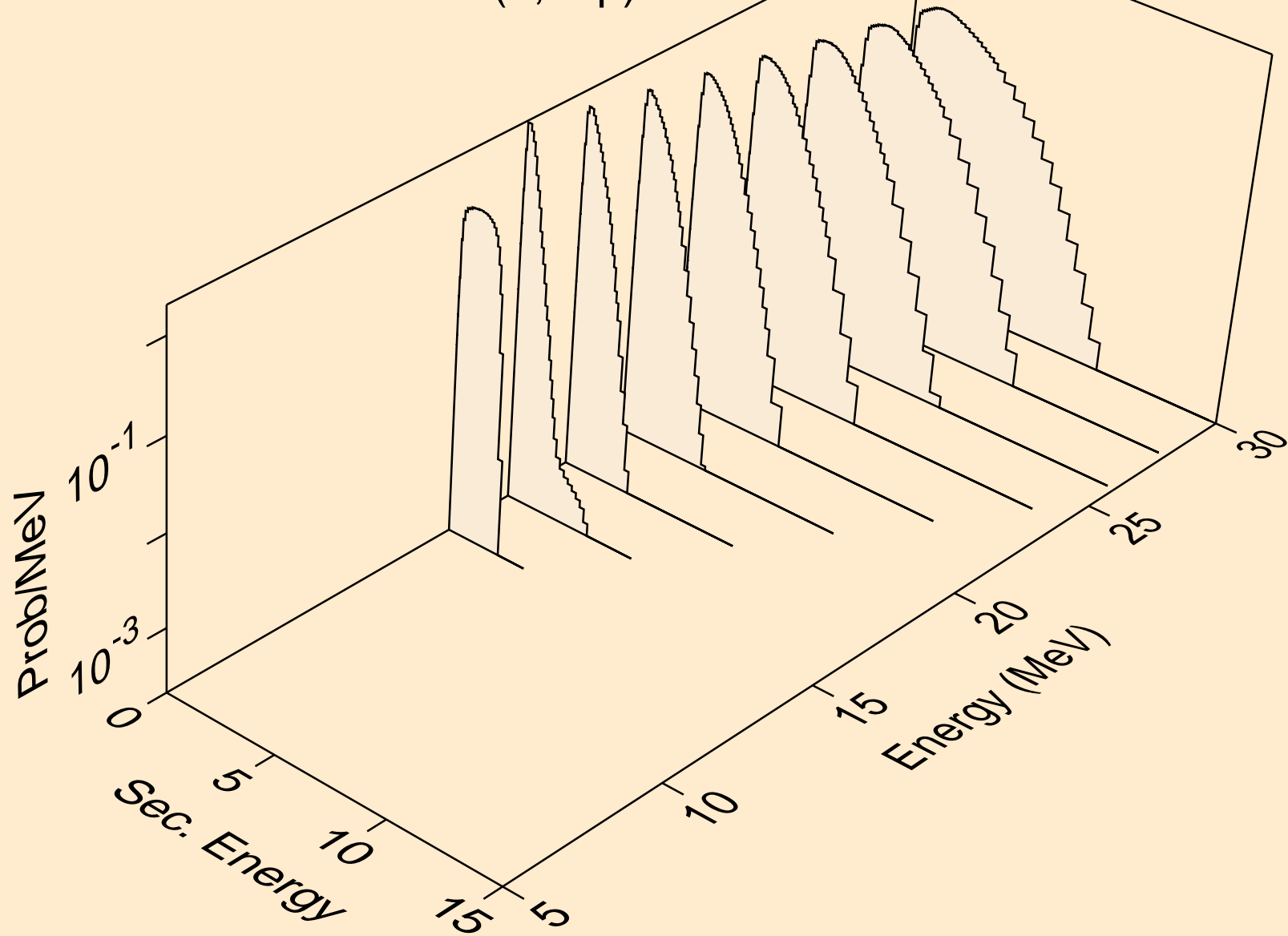
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



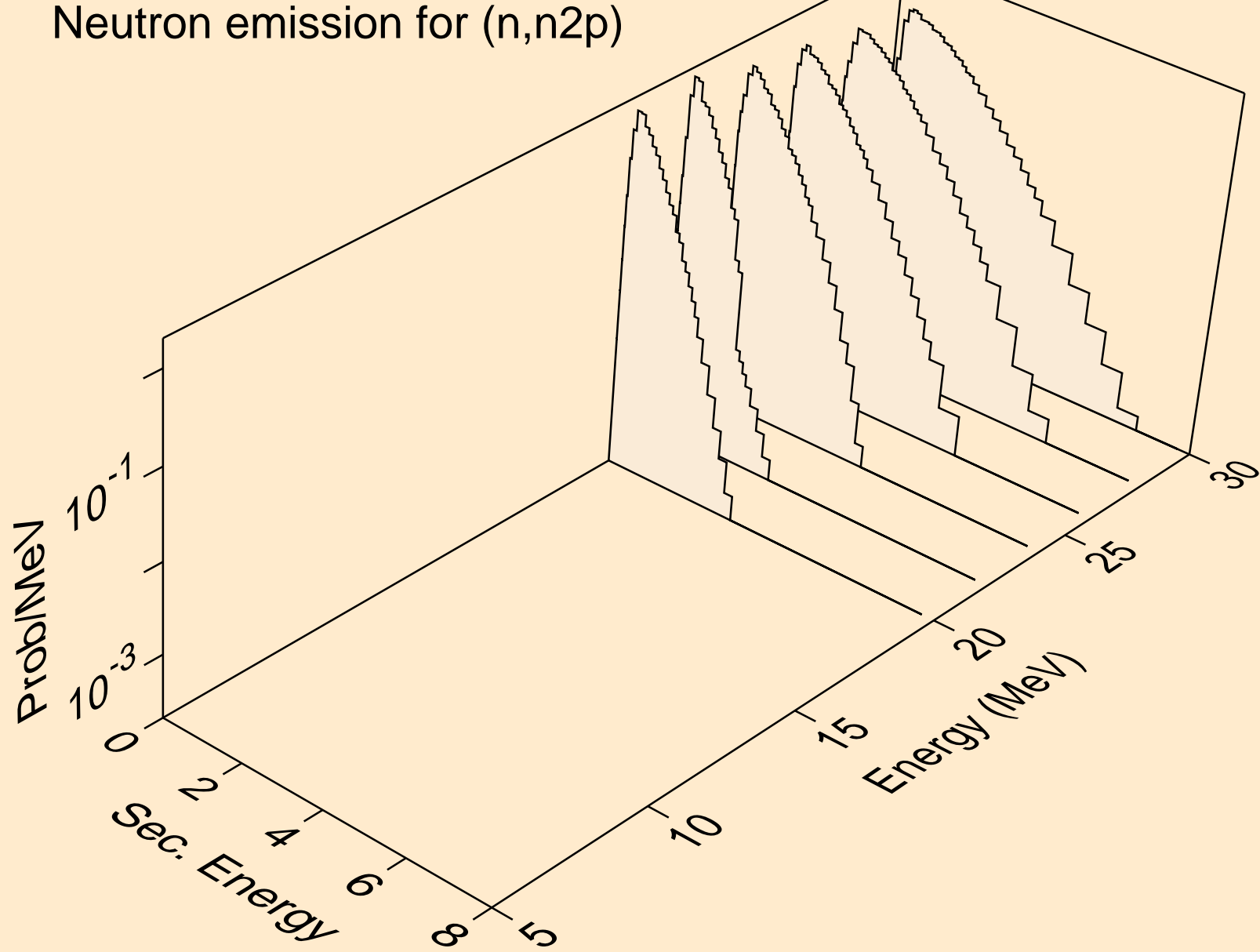
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Neutron emission for (n,4n)



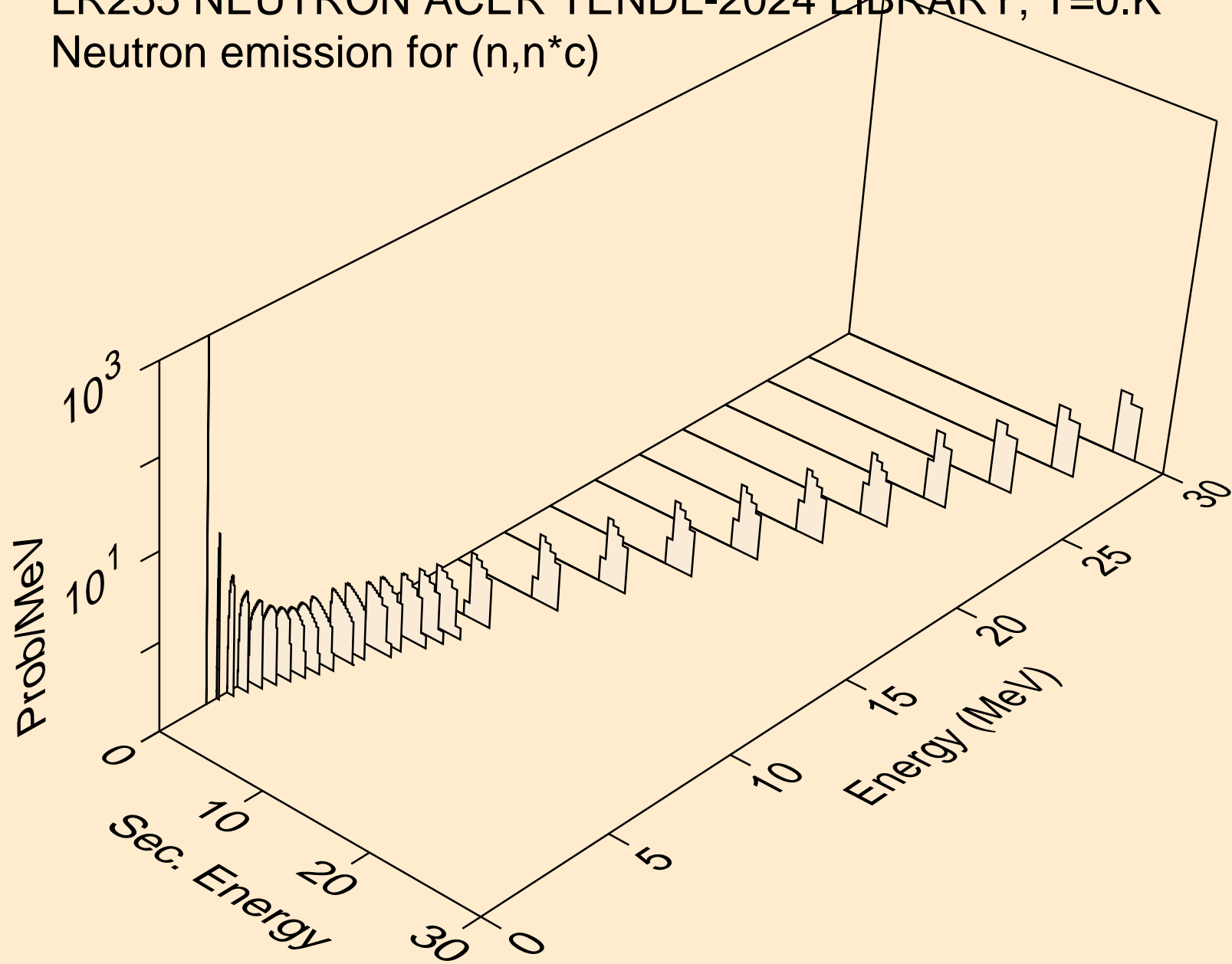
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

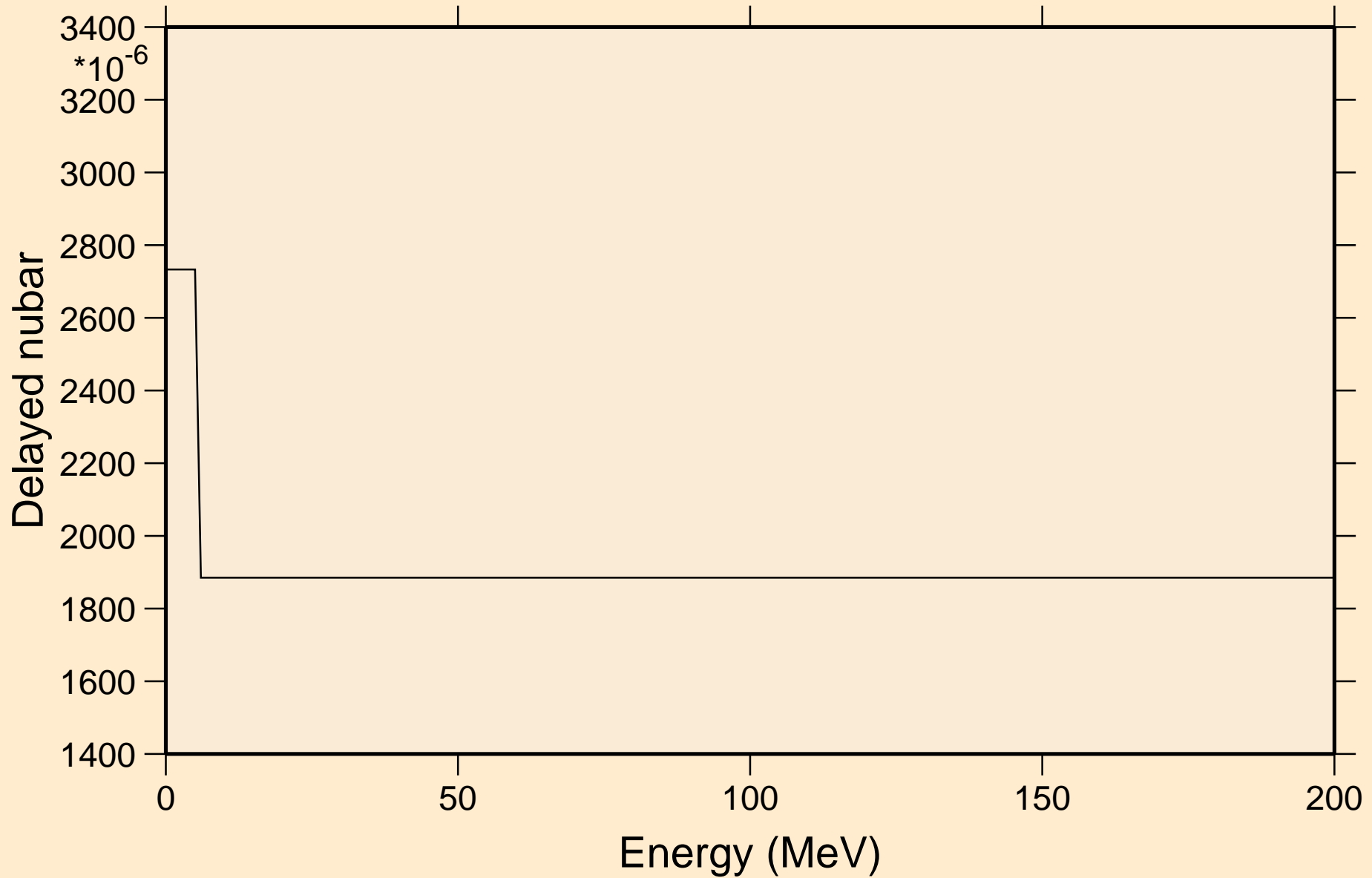


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



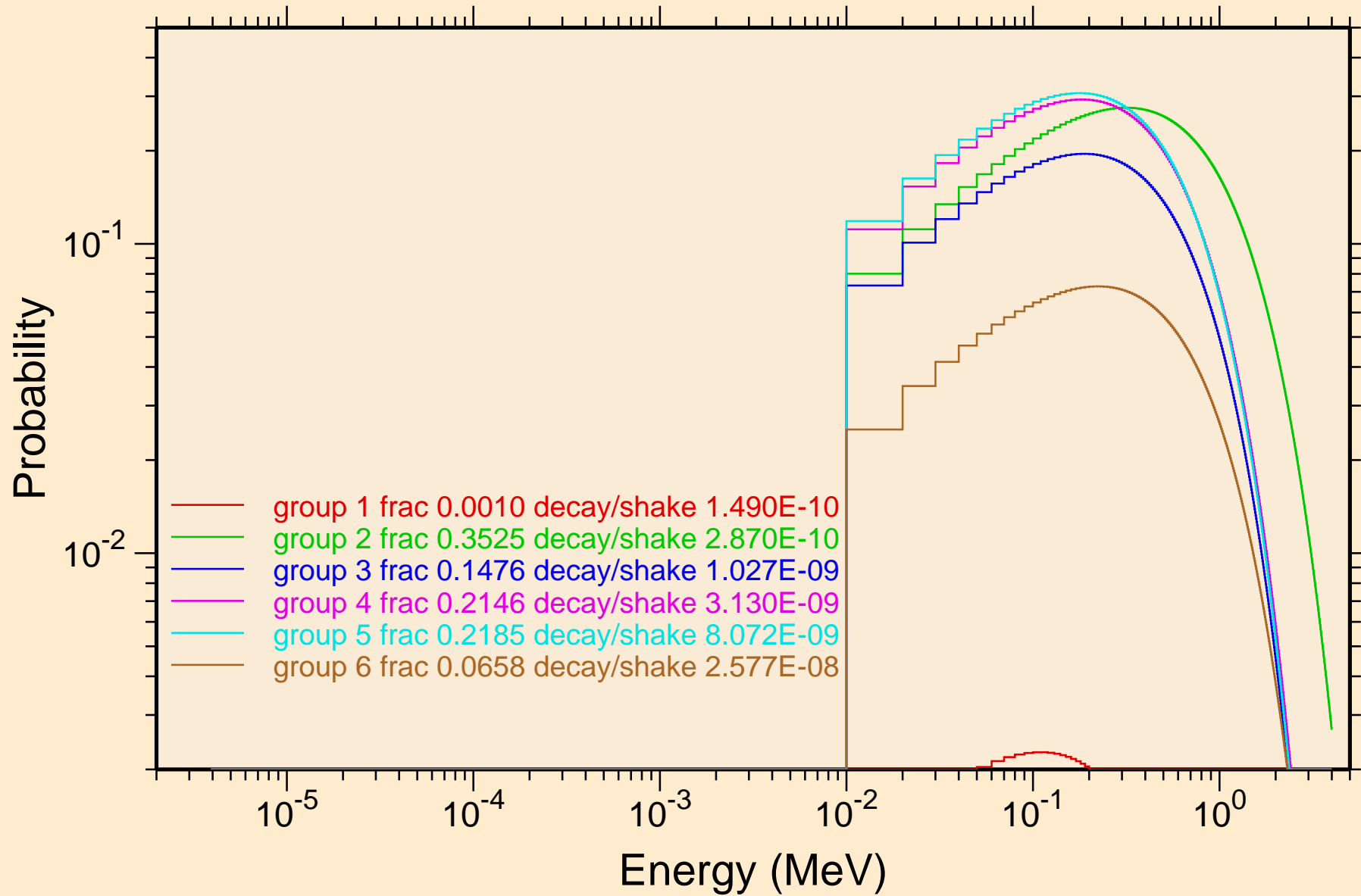
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## Delayed nubar

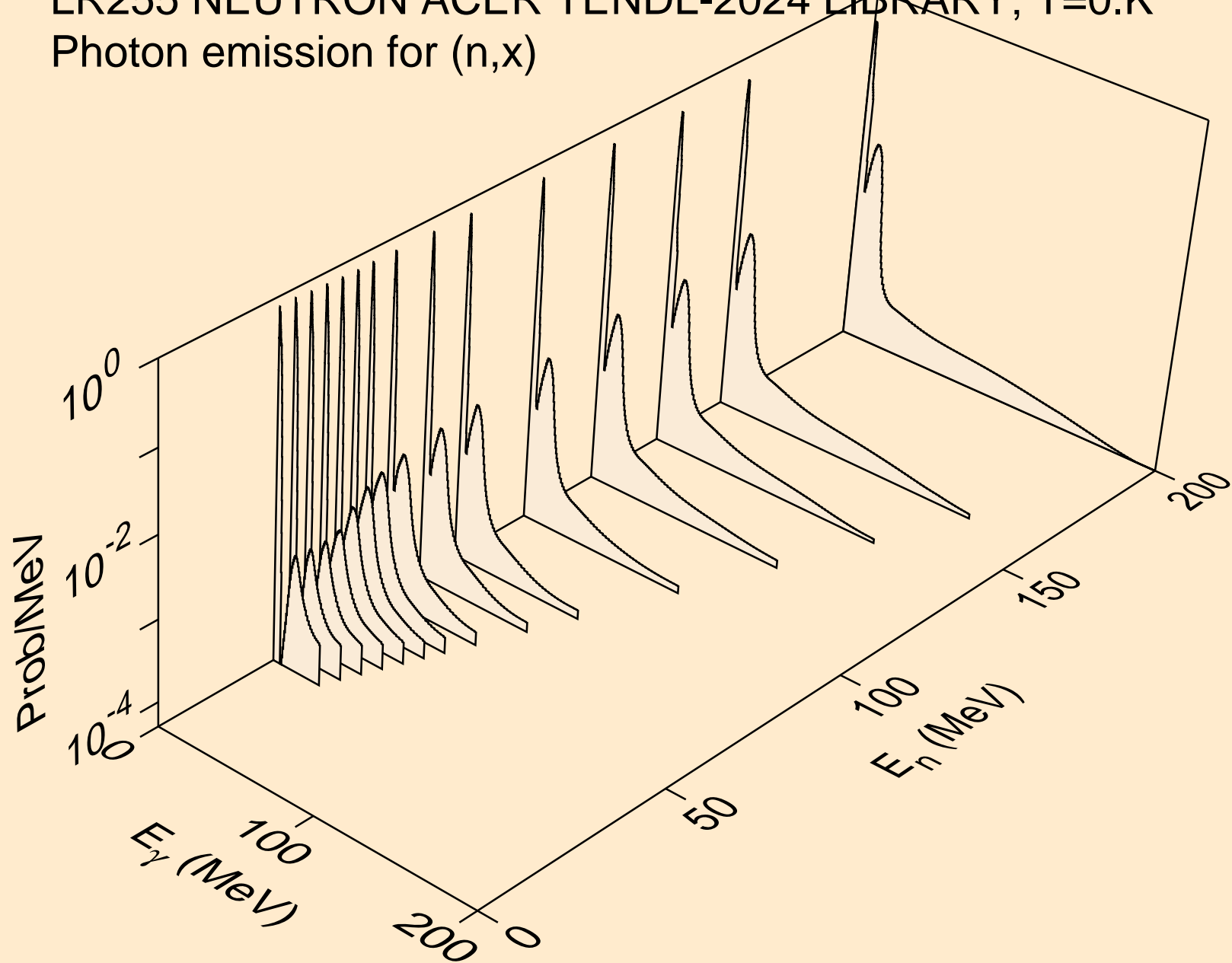


# LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed neutron spectra

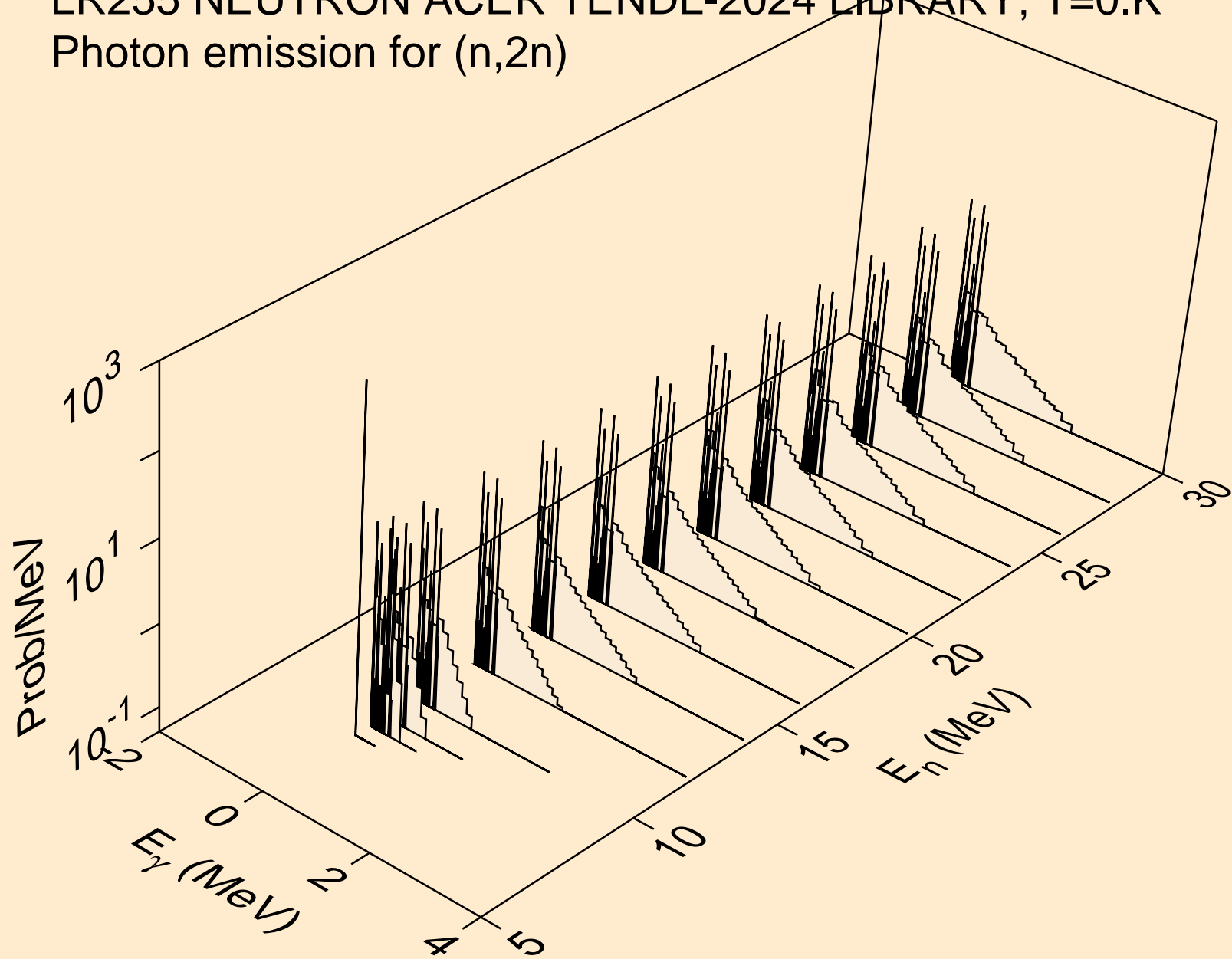


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

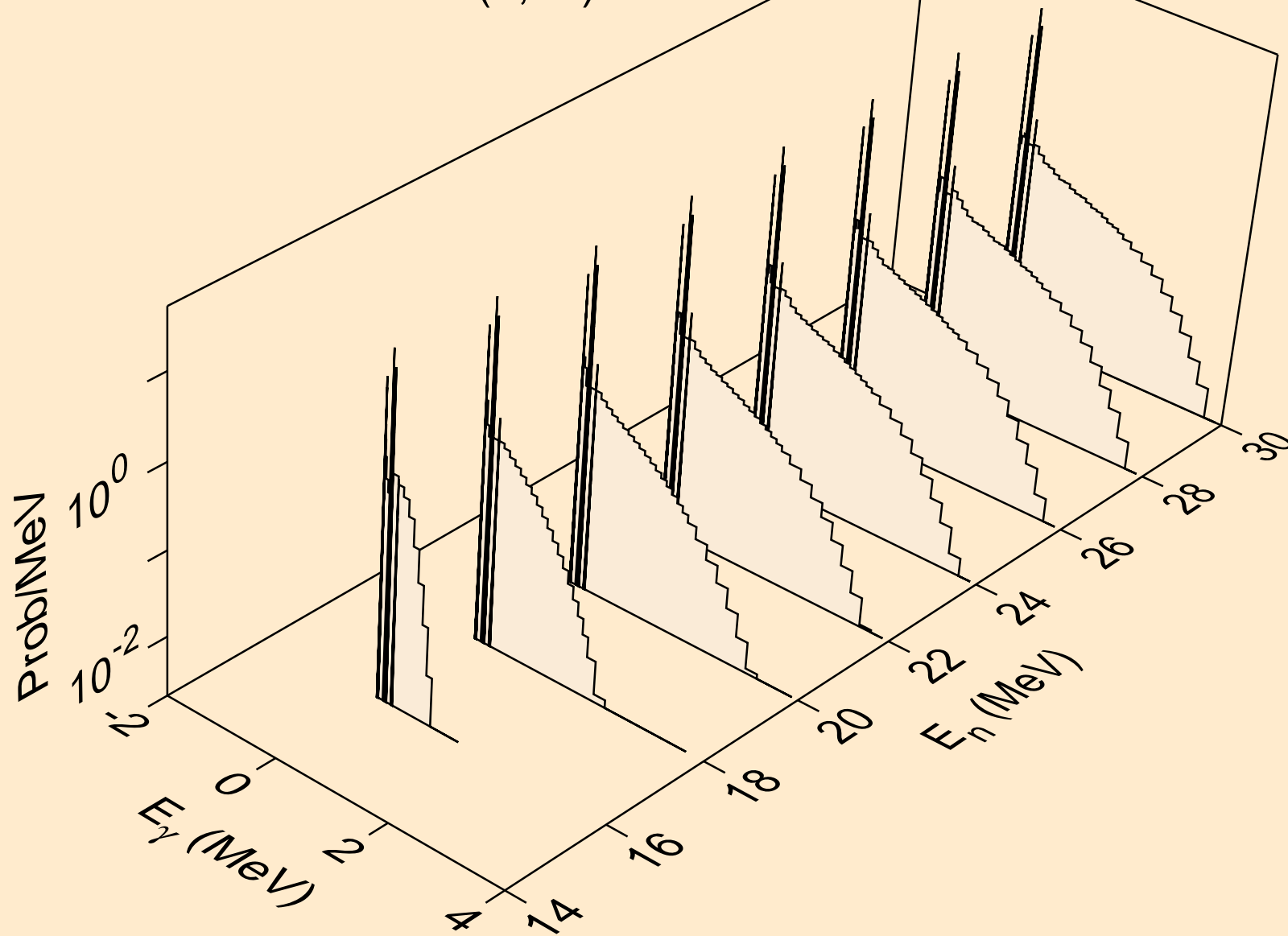




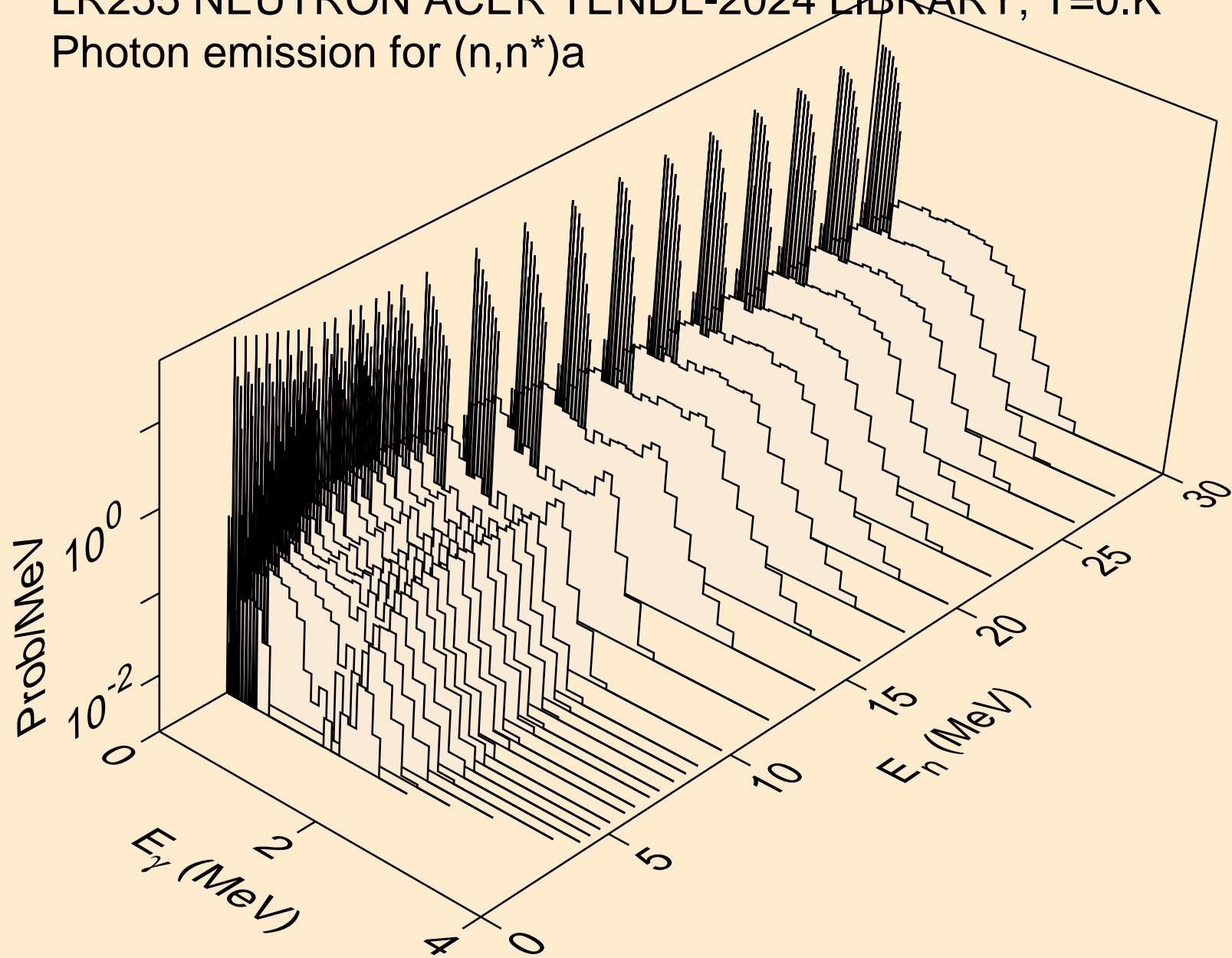
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Photon emission for (n,2n)



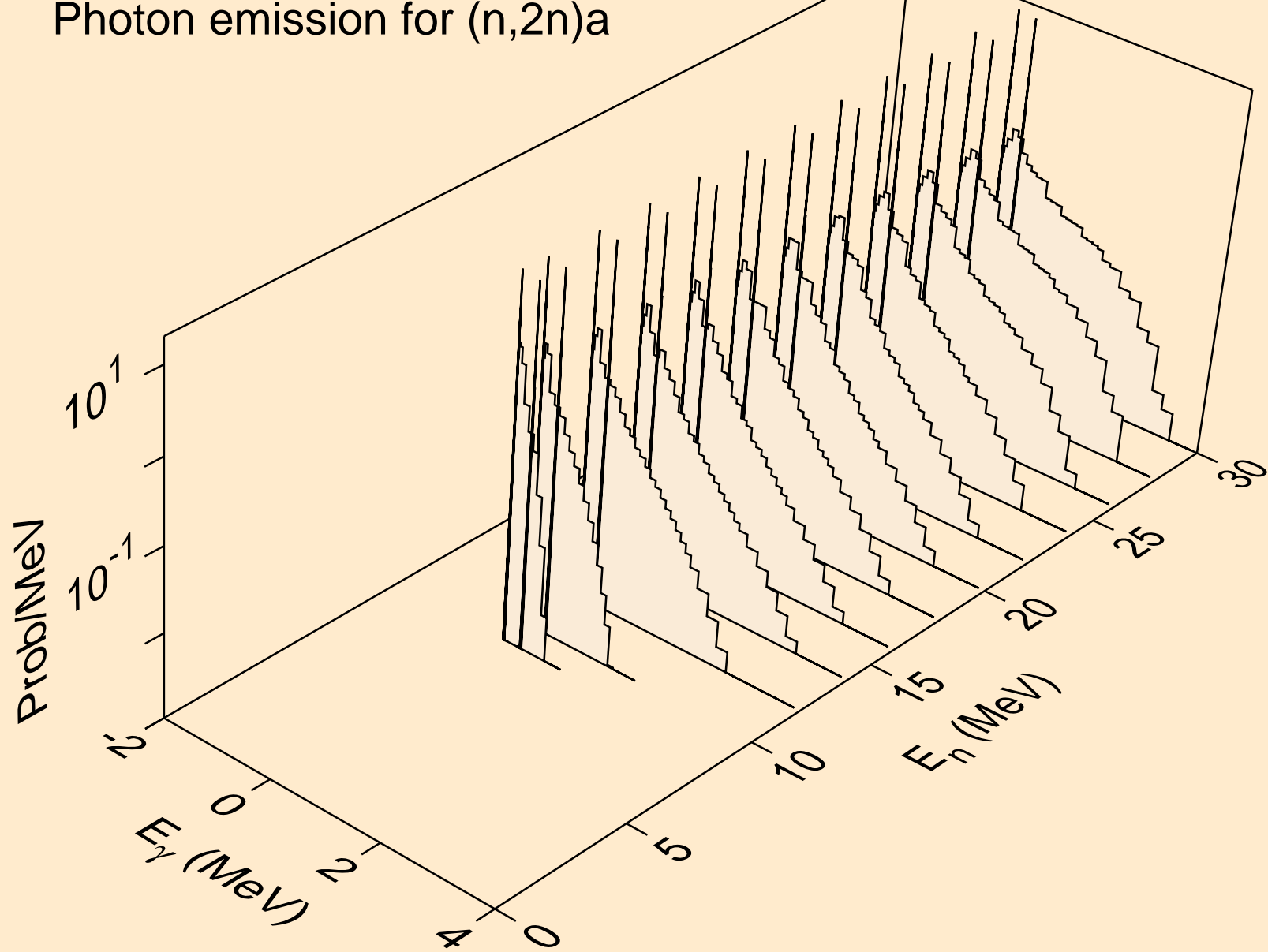
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Photon emission for (n,3n)



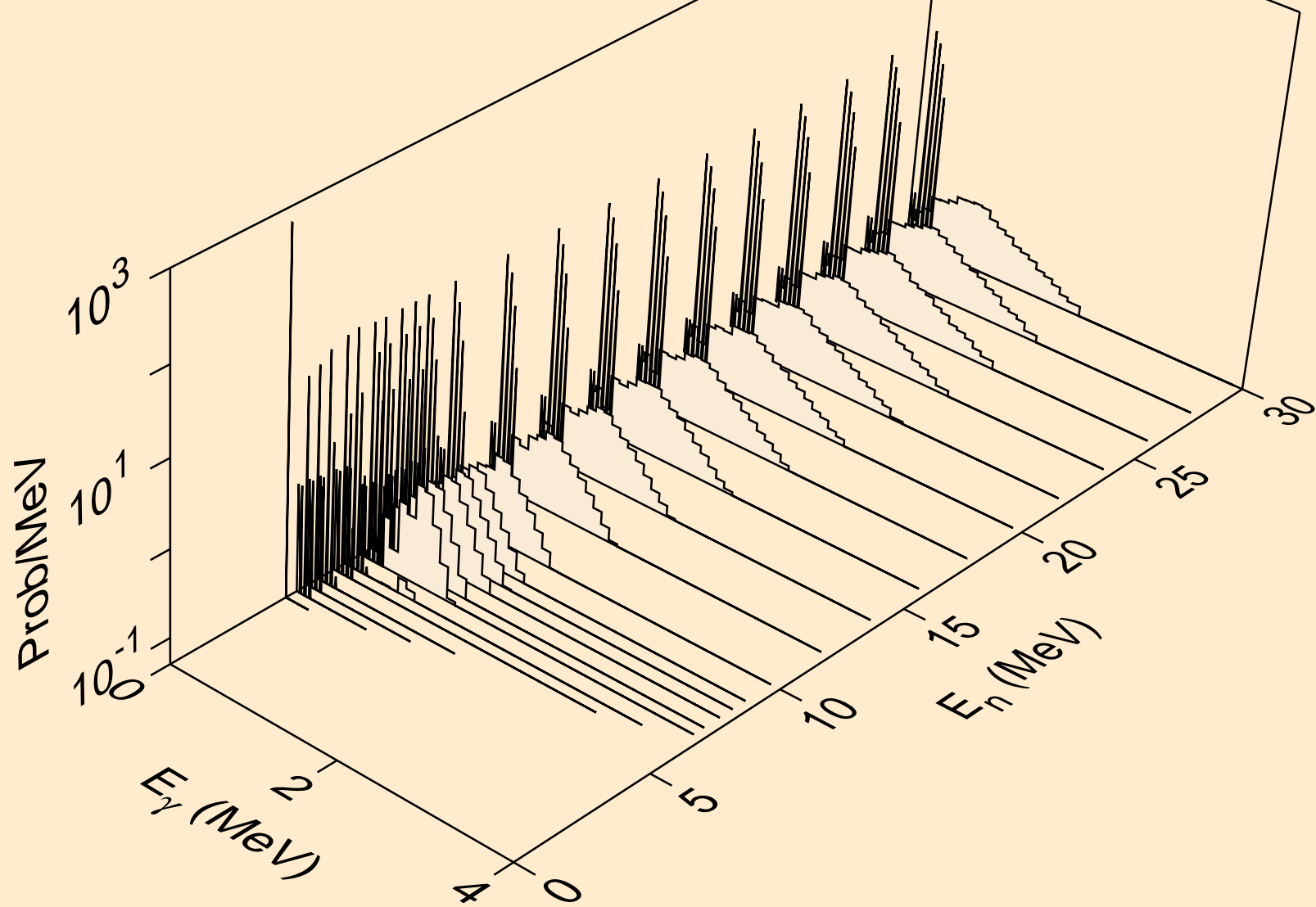
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Photon emission for (n,n\*)a



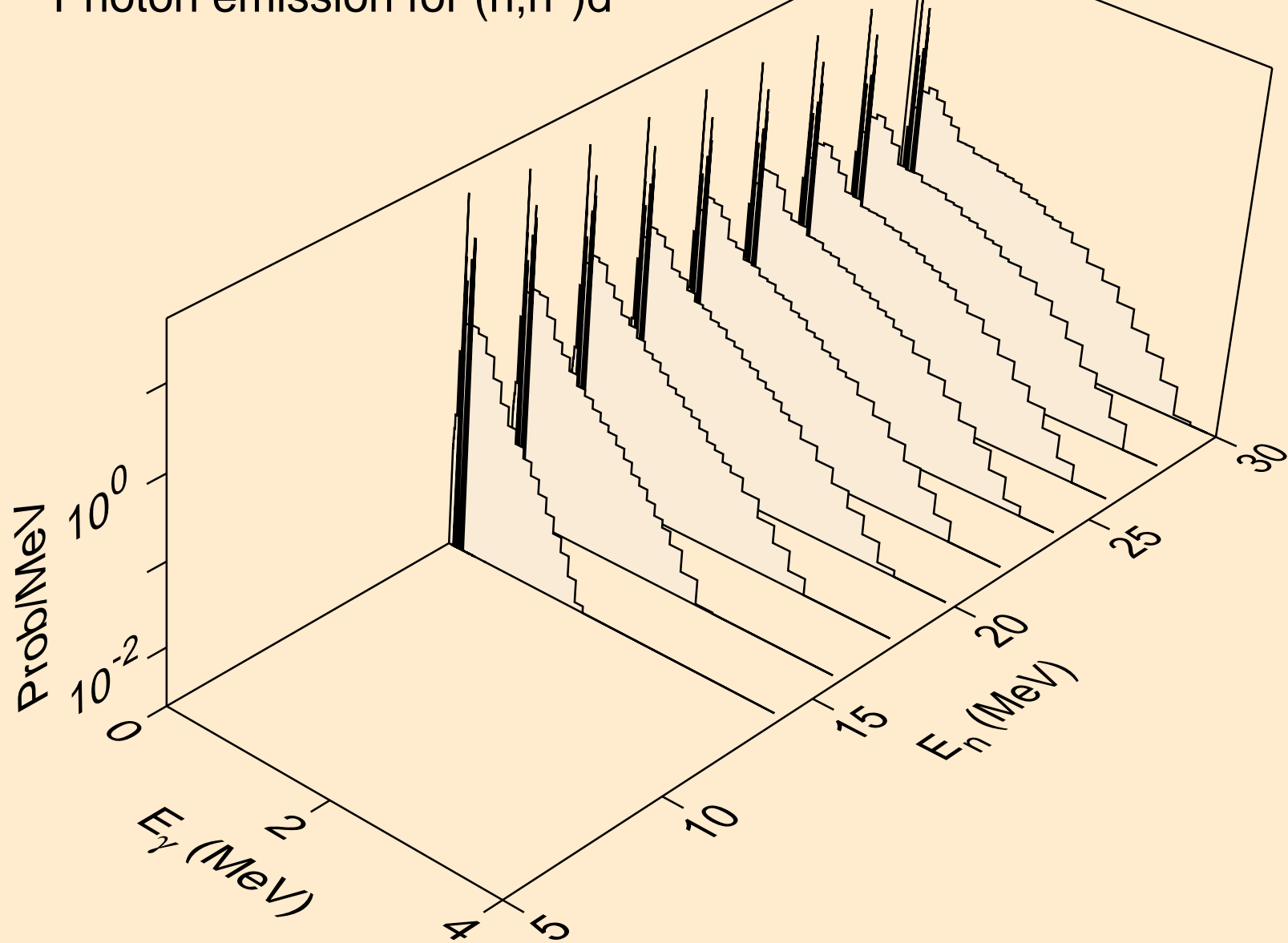
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Photon emission for (n,2n)a



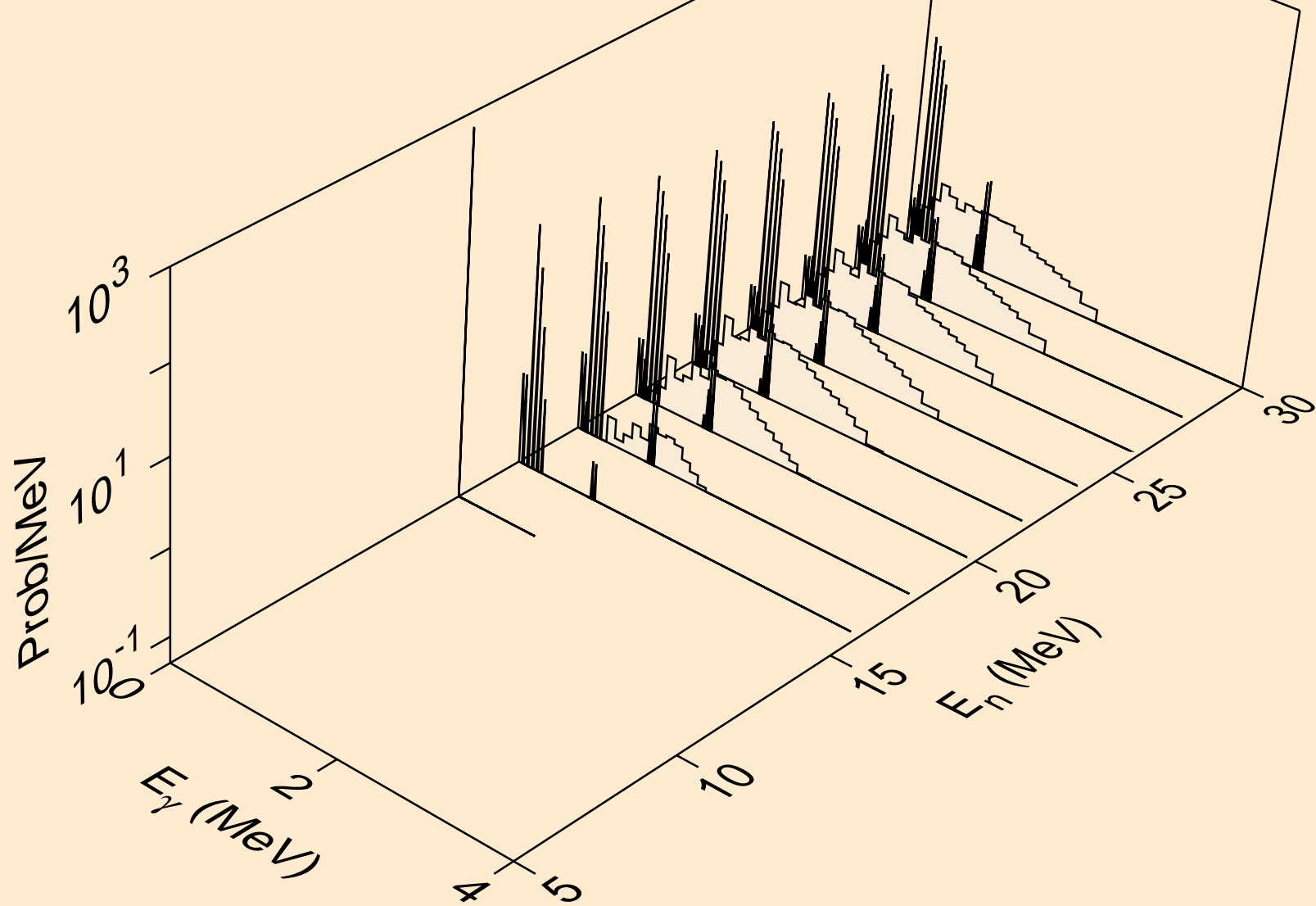
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Photon emission for (n,n\*)p



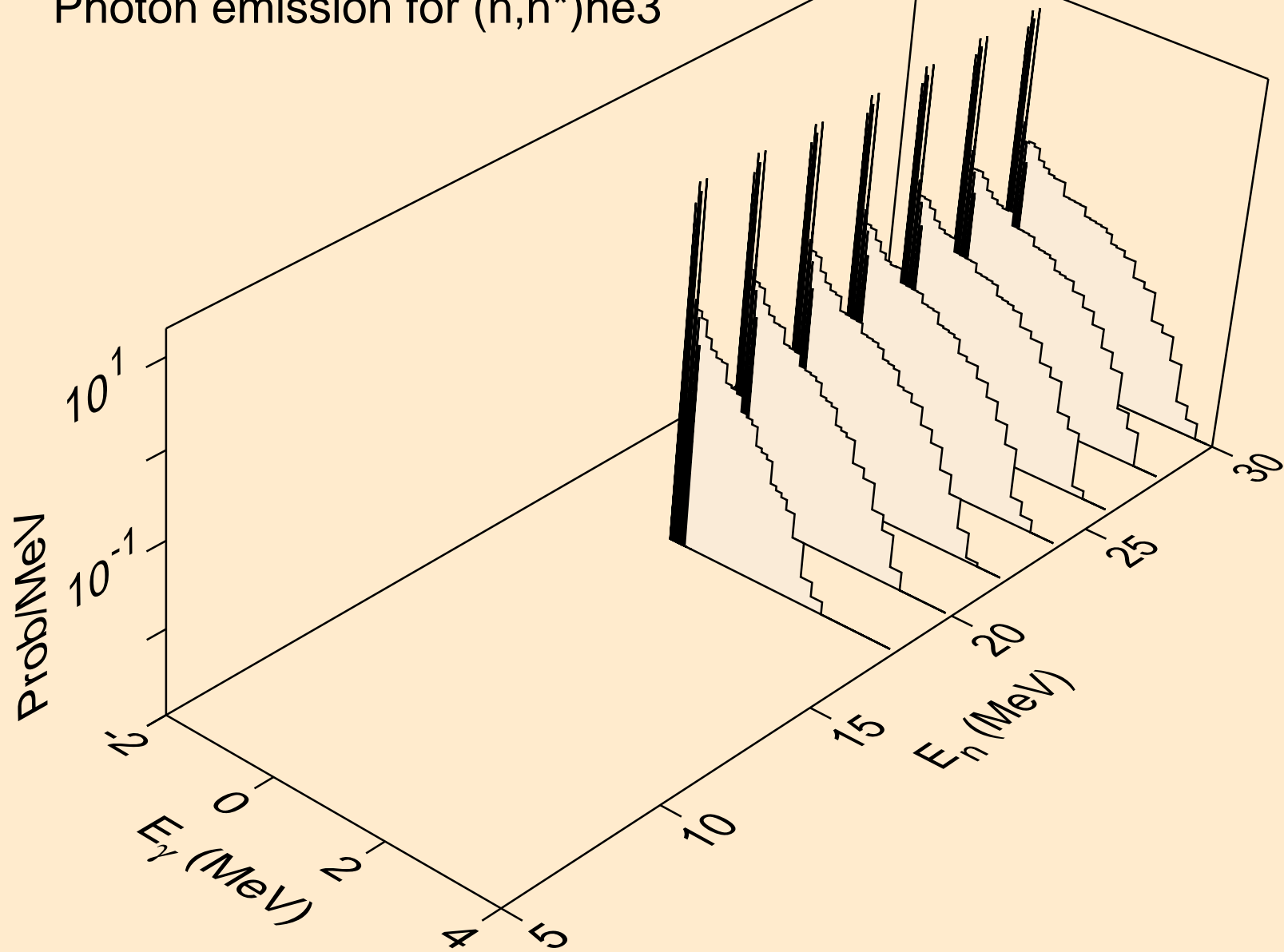
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

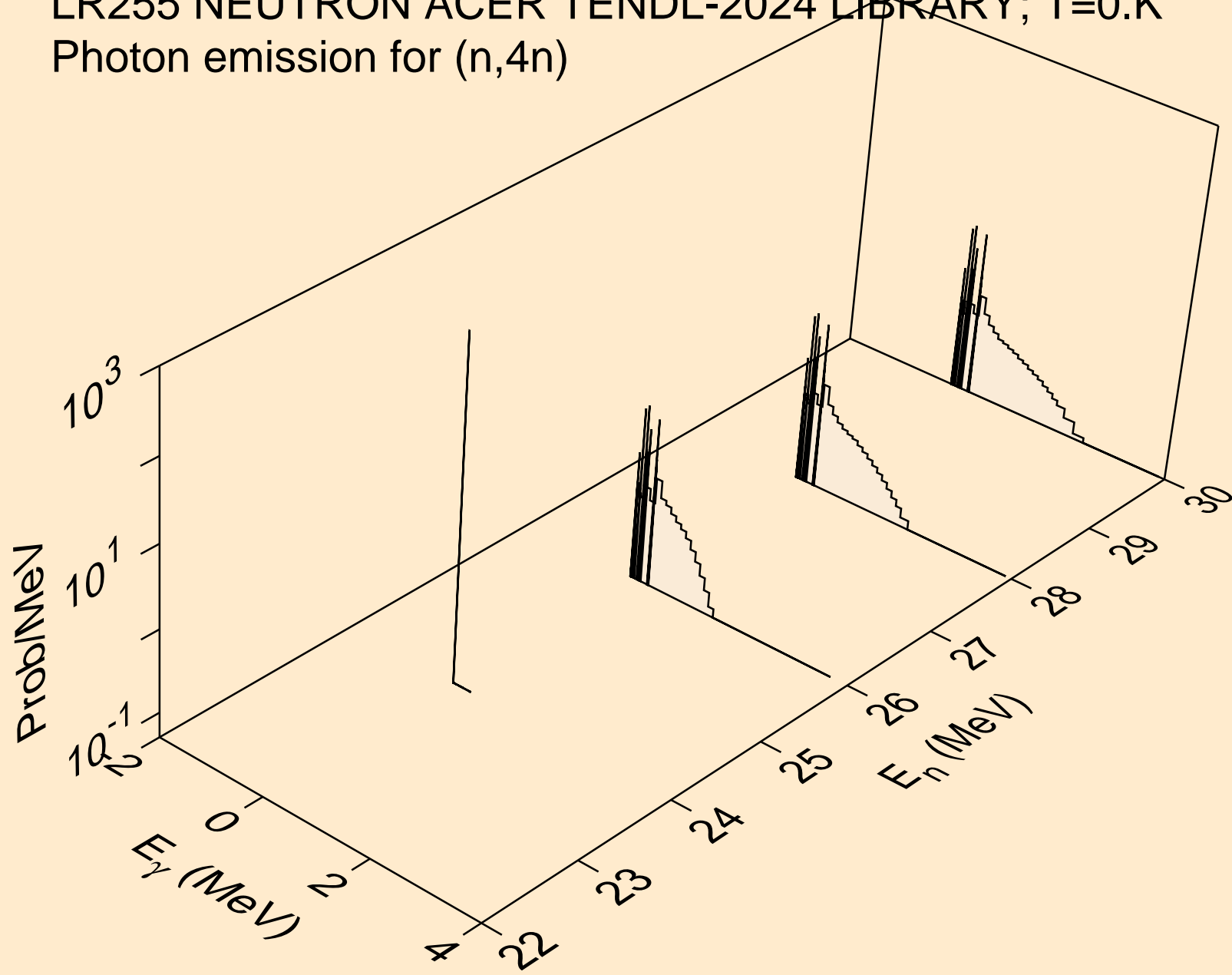


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

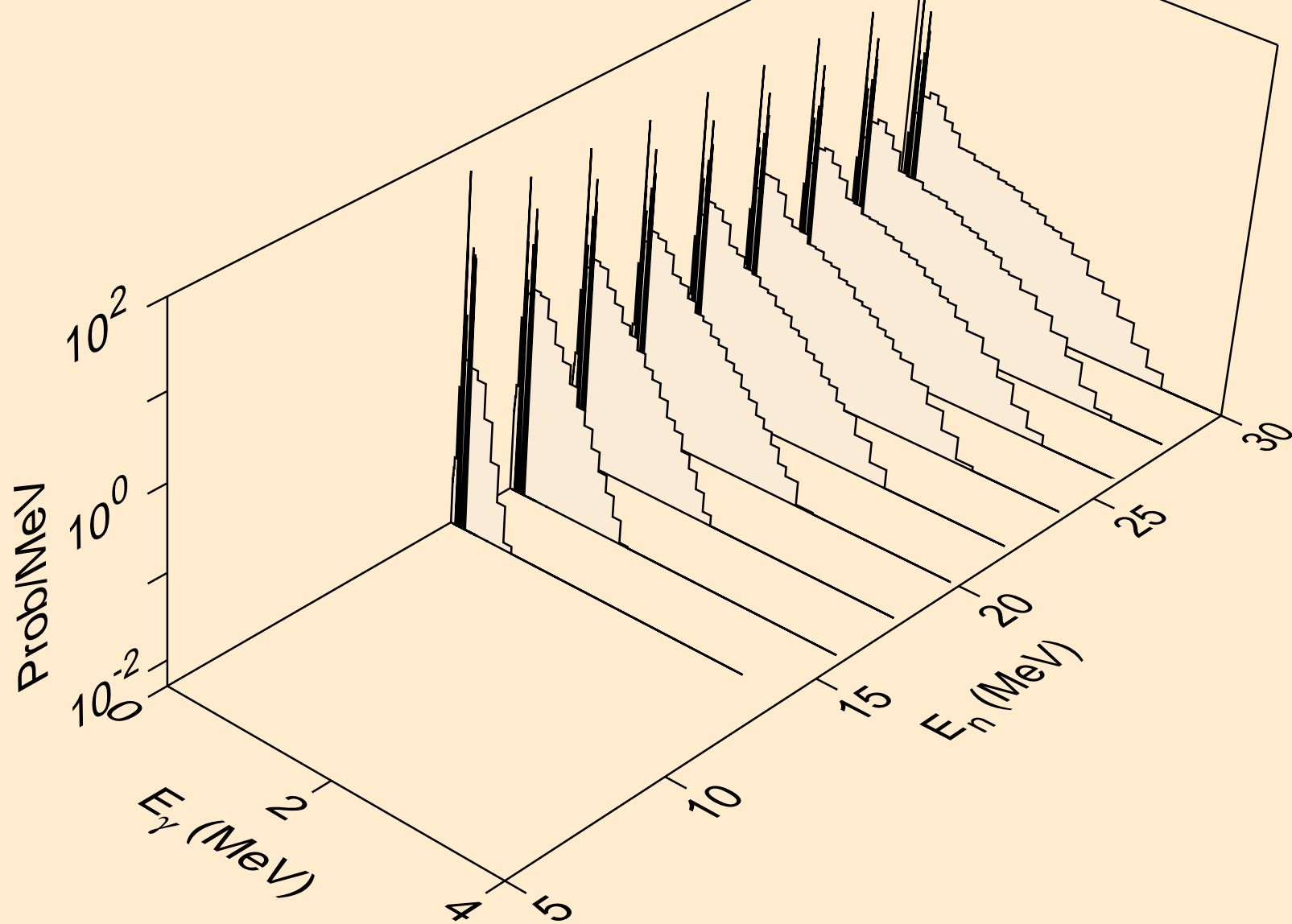




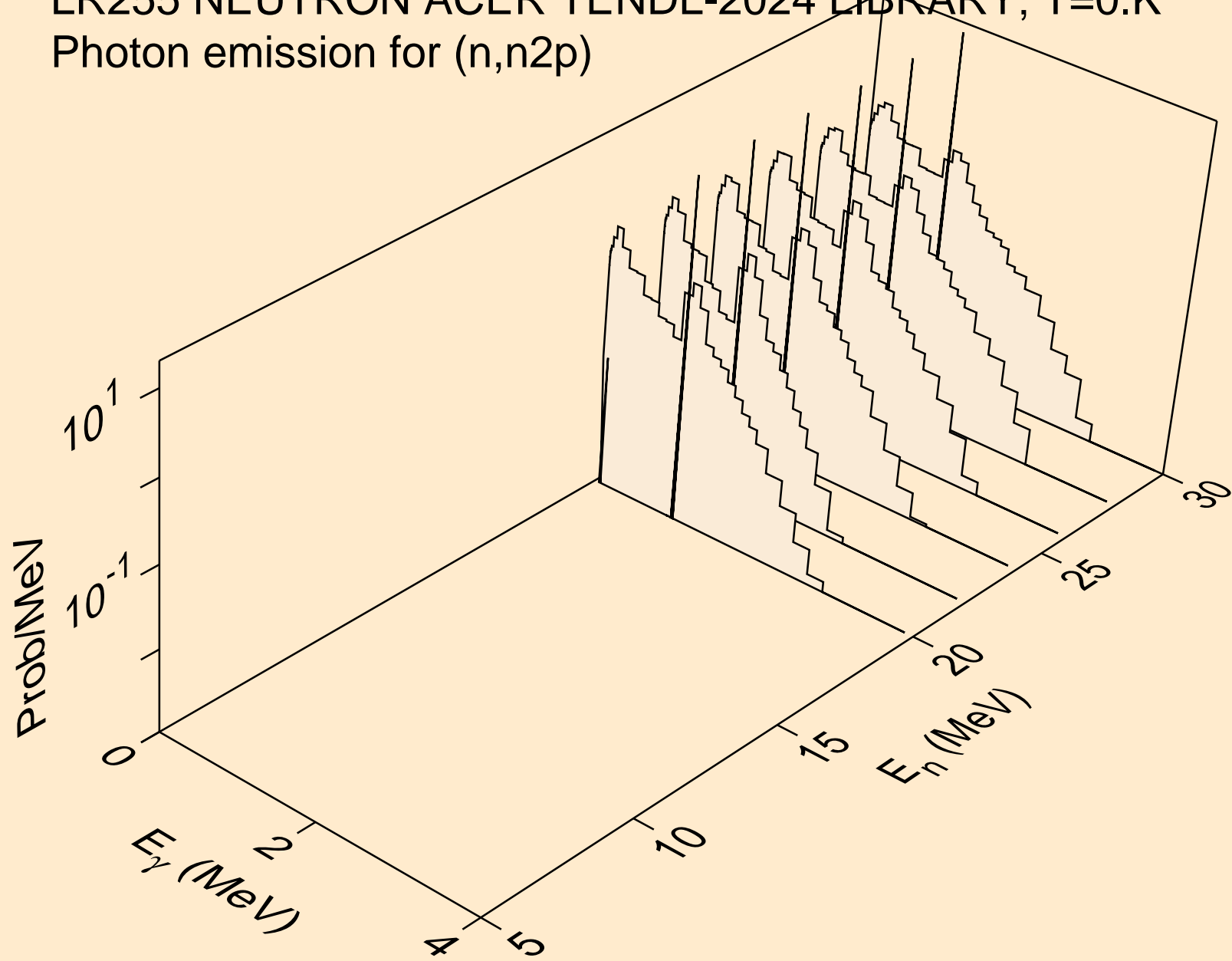
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Photon emission for (n,4n)



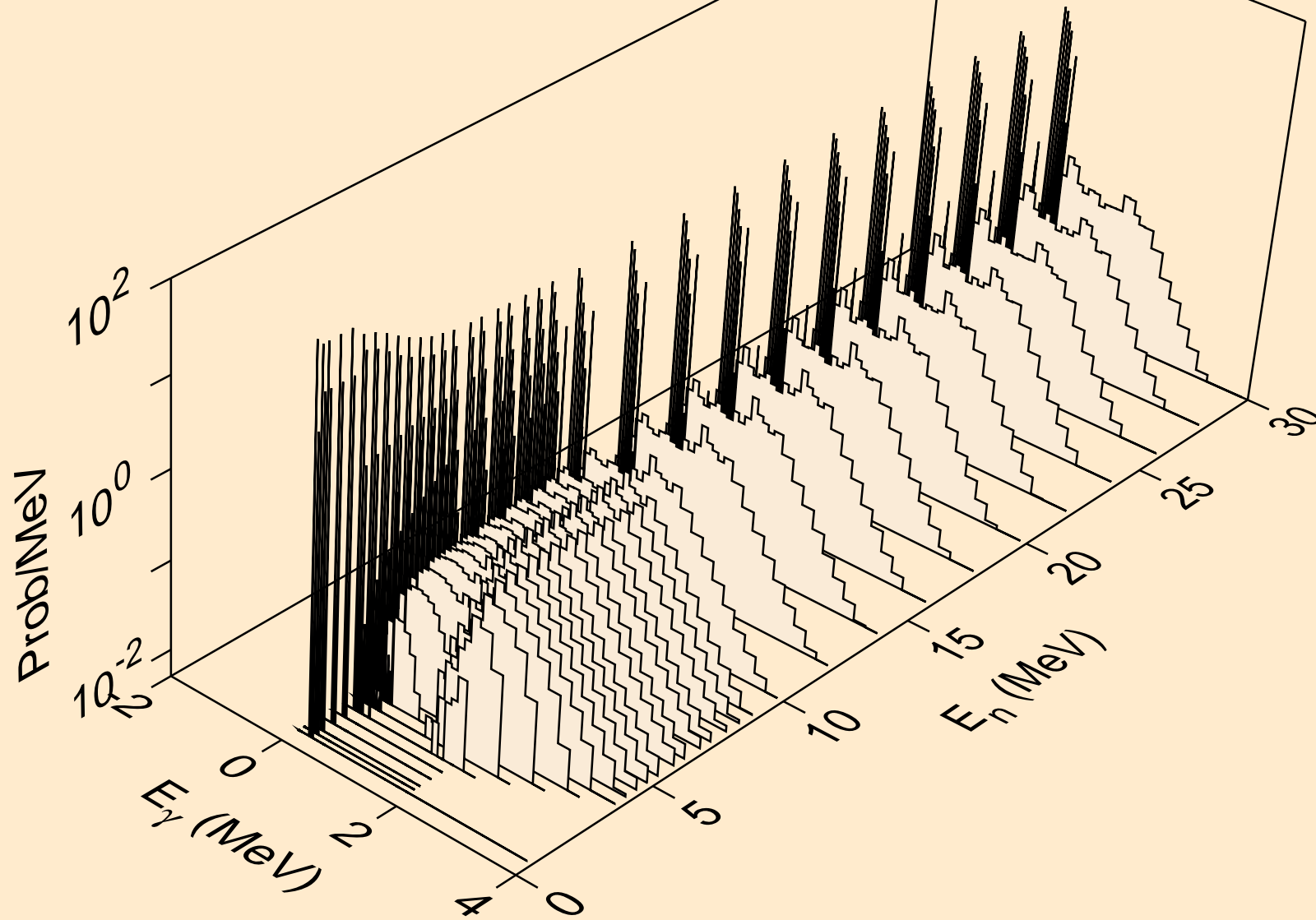
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Photon emission for (n,2np)



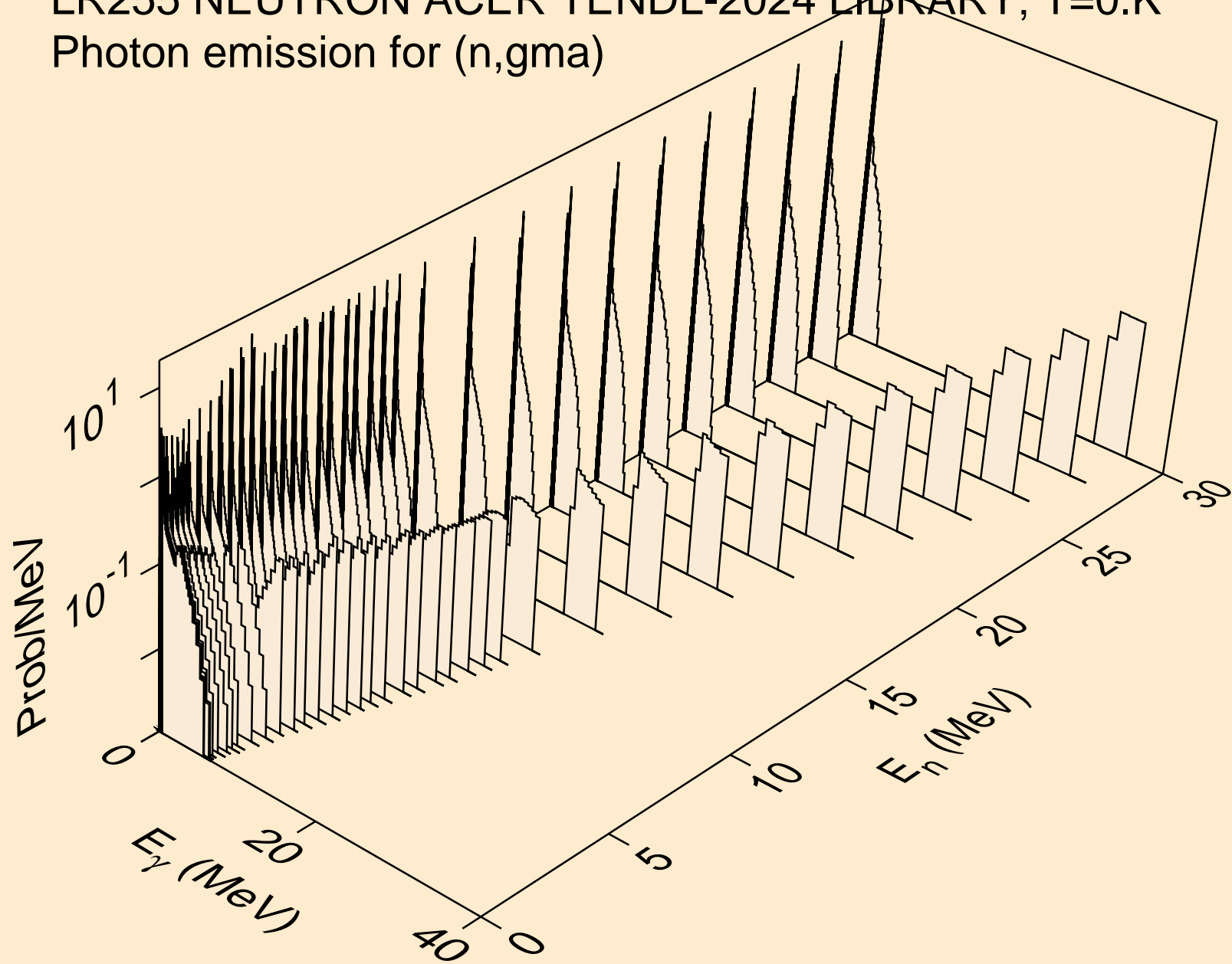
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Photon emission for (n,n2p)



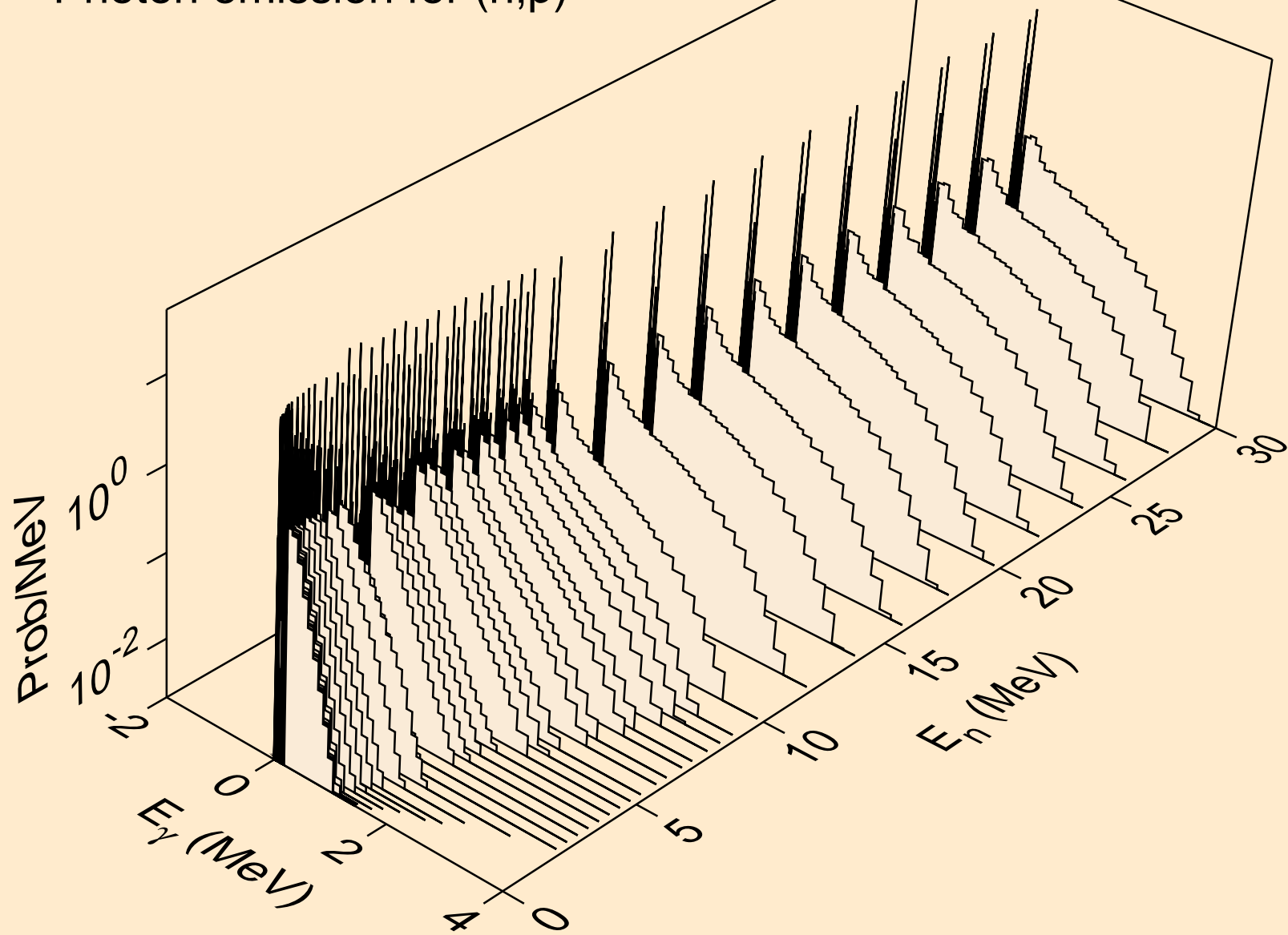
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Photon emission for (n,n\*c)



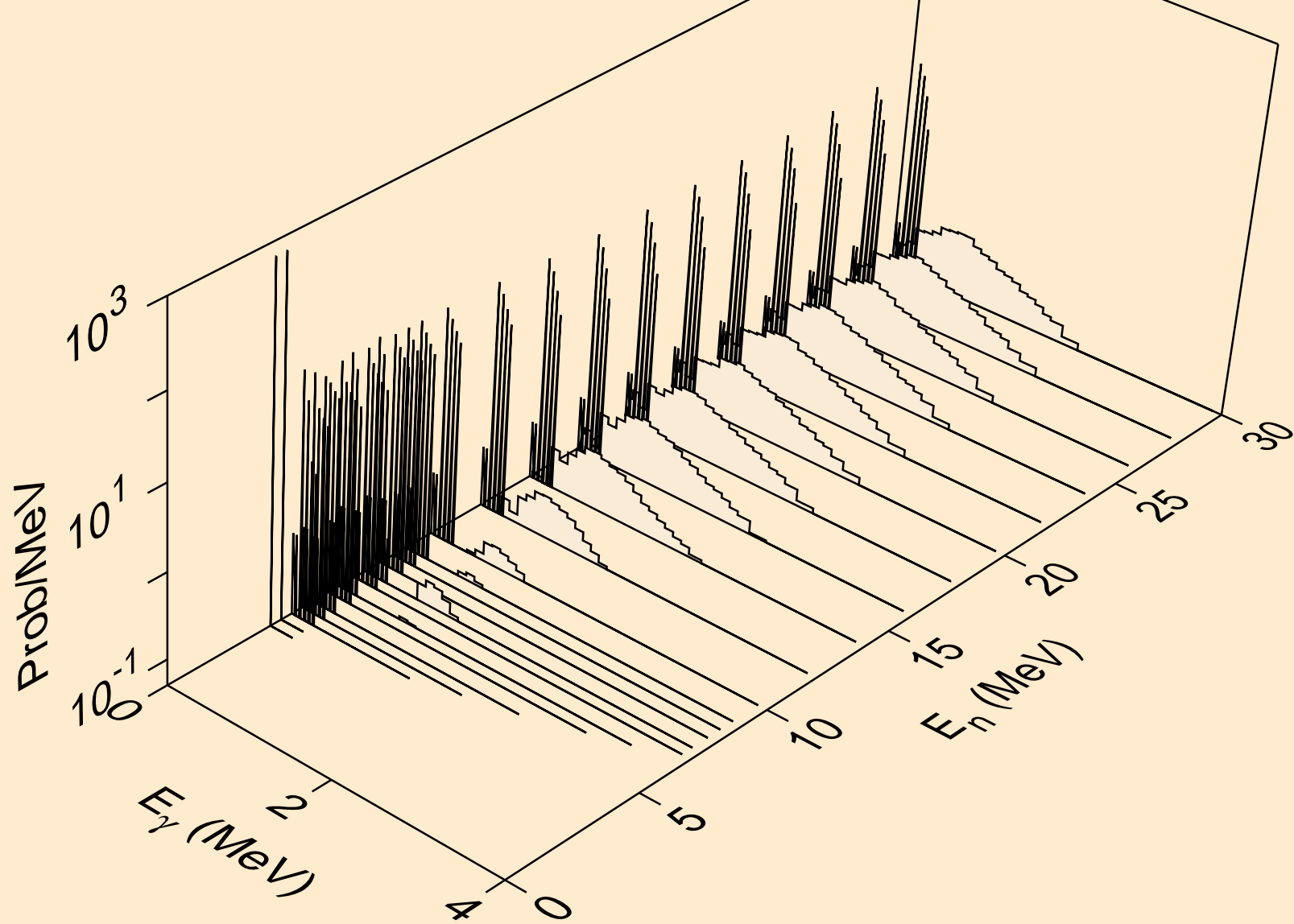
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Photon emission for (n,gma)



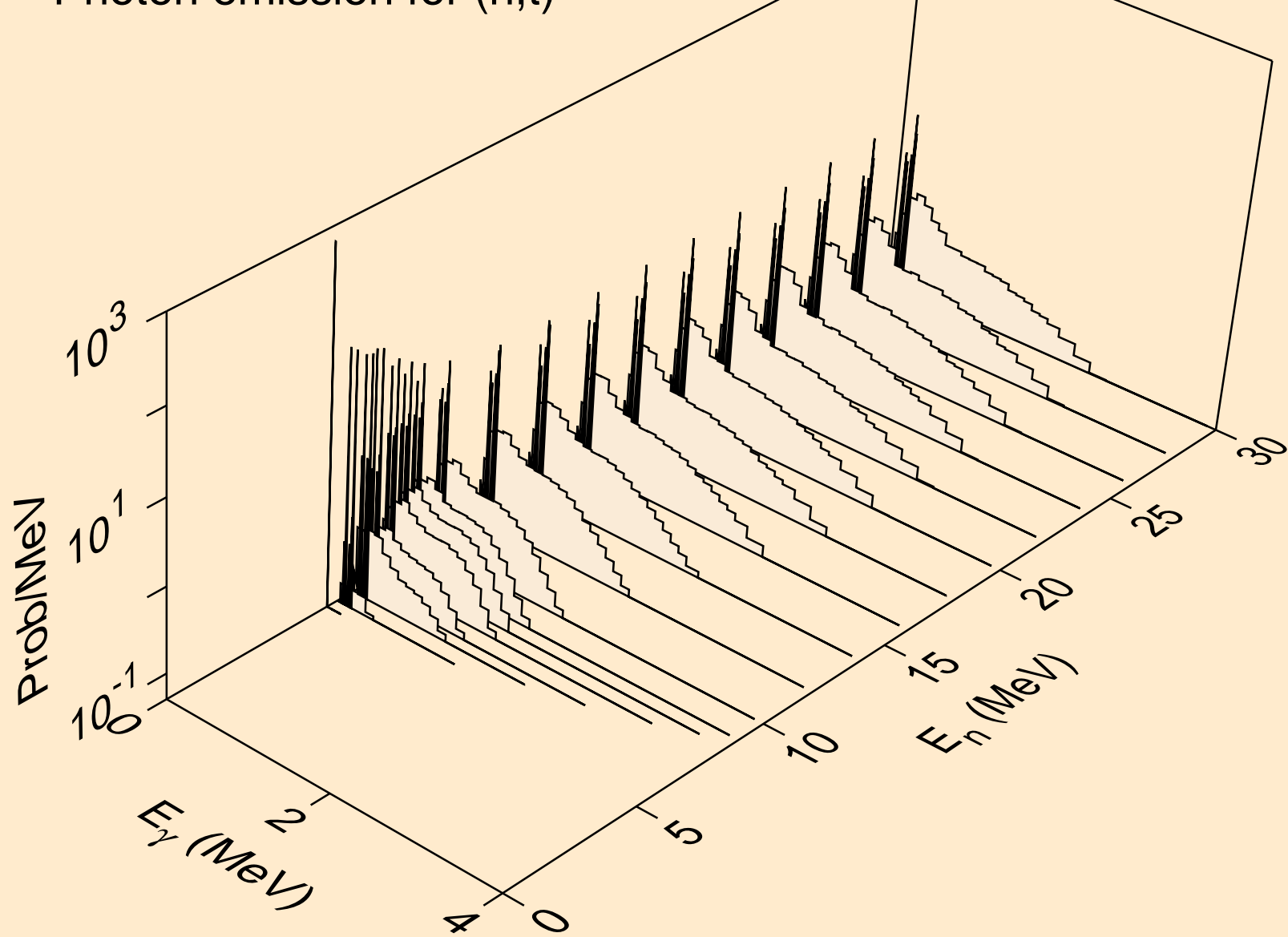
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Photon emission for (n,p)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

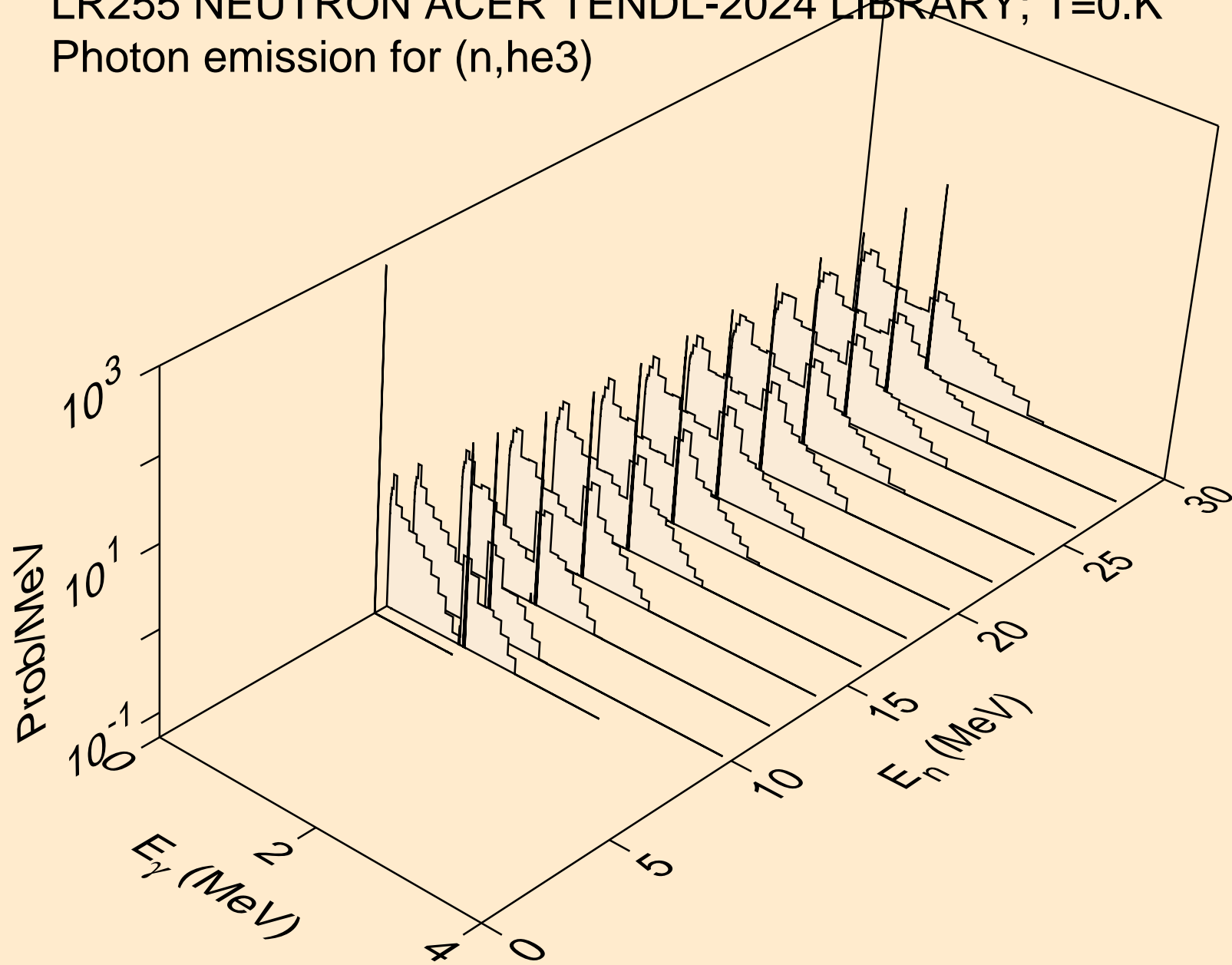


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Photon emission for (n,t)

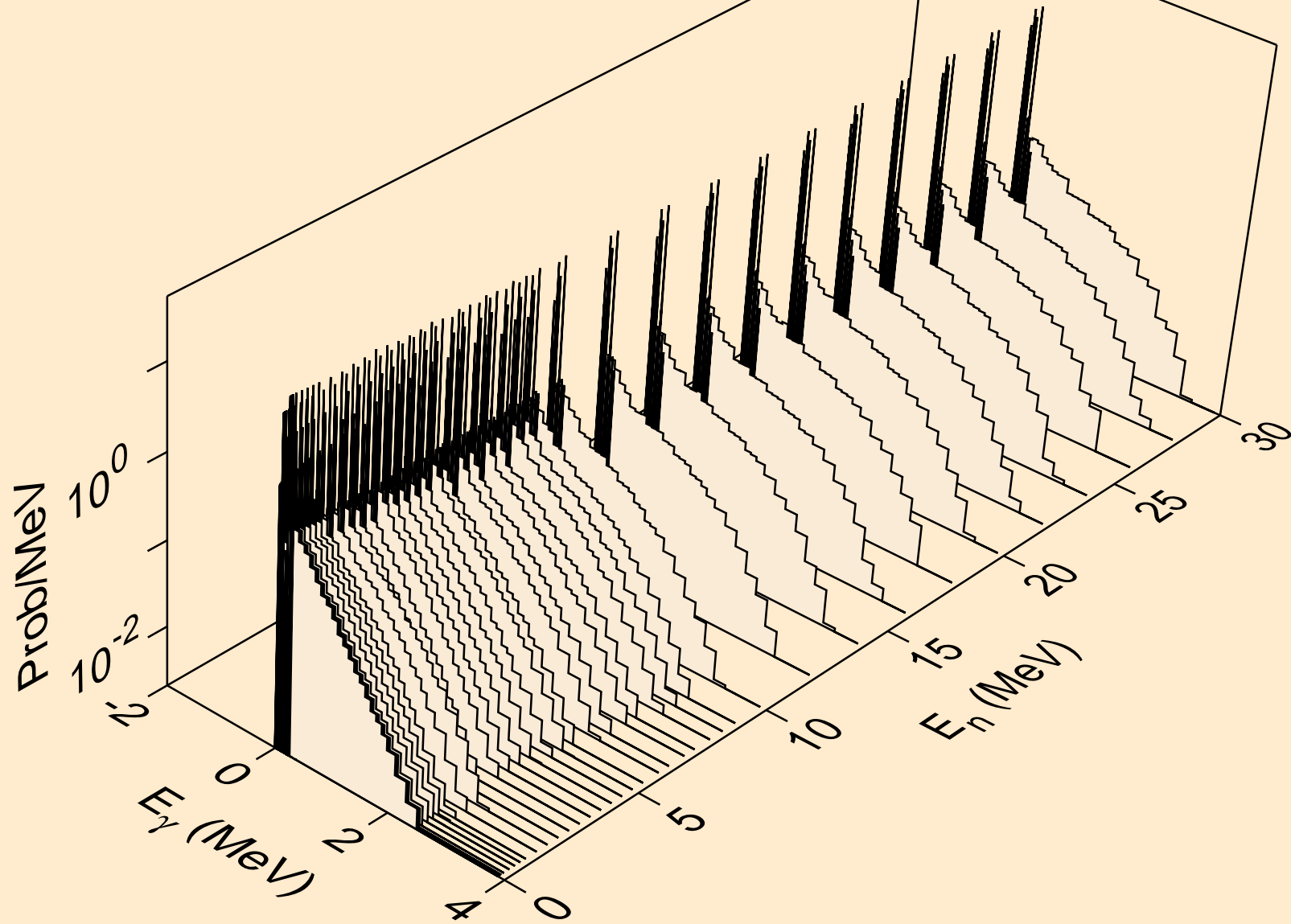




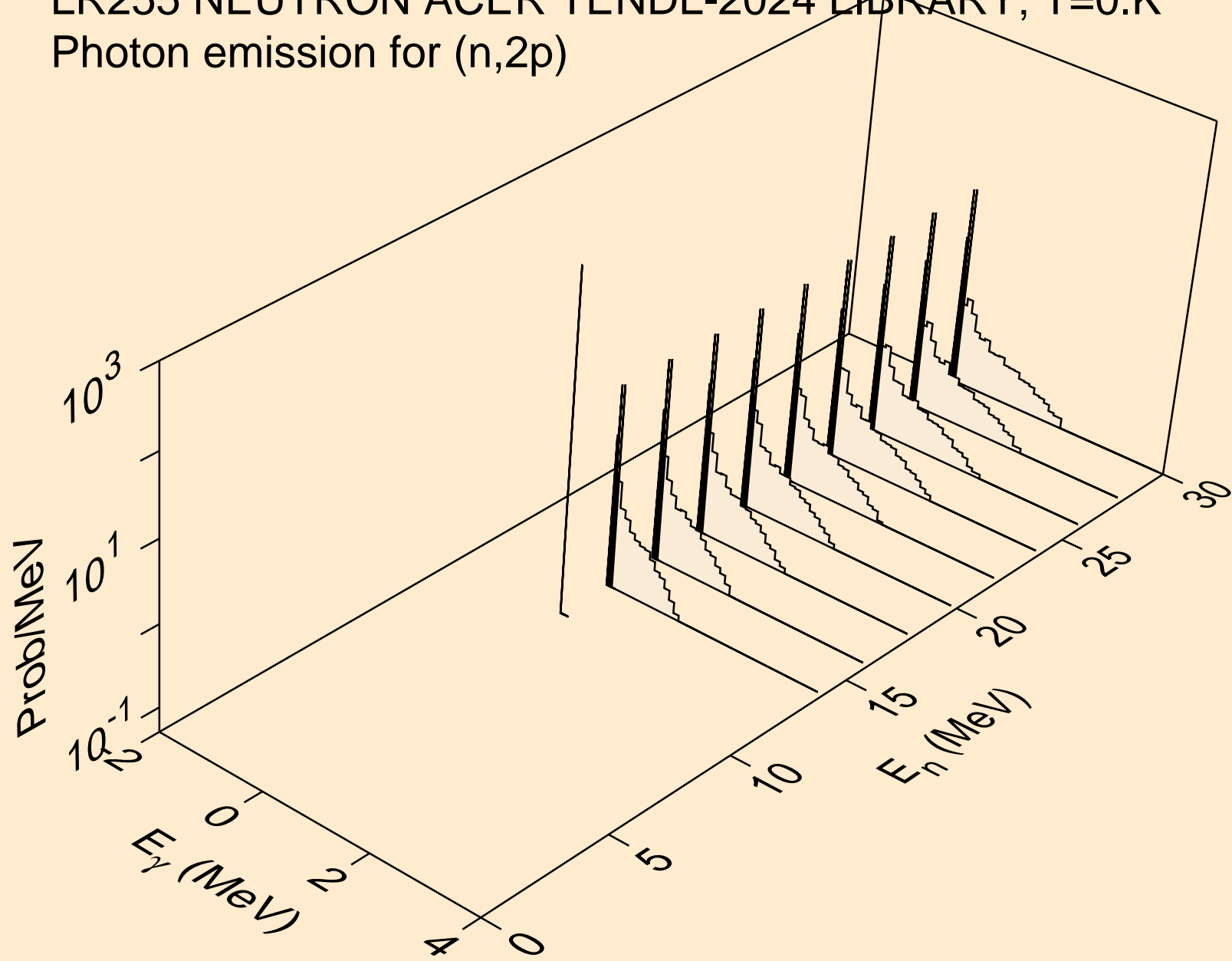
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Photon emission for (n,he3)



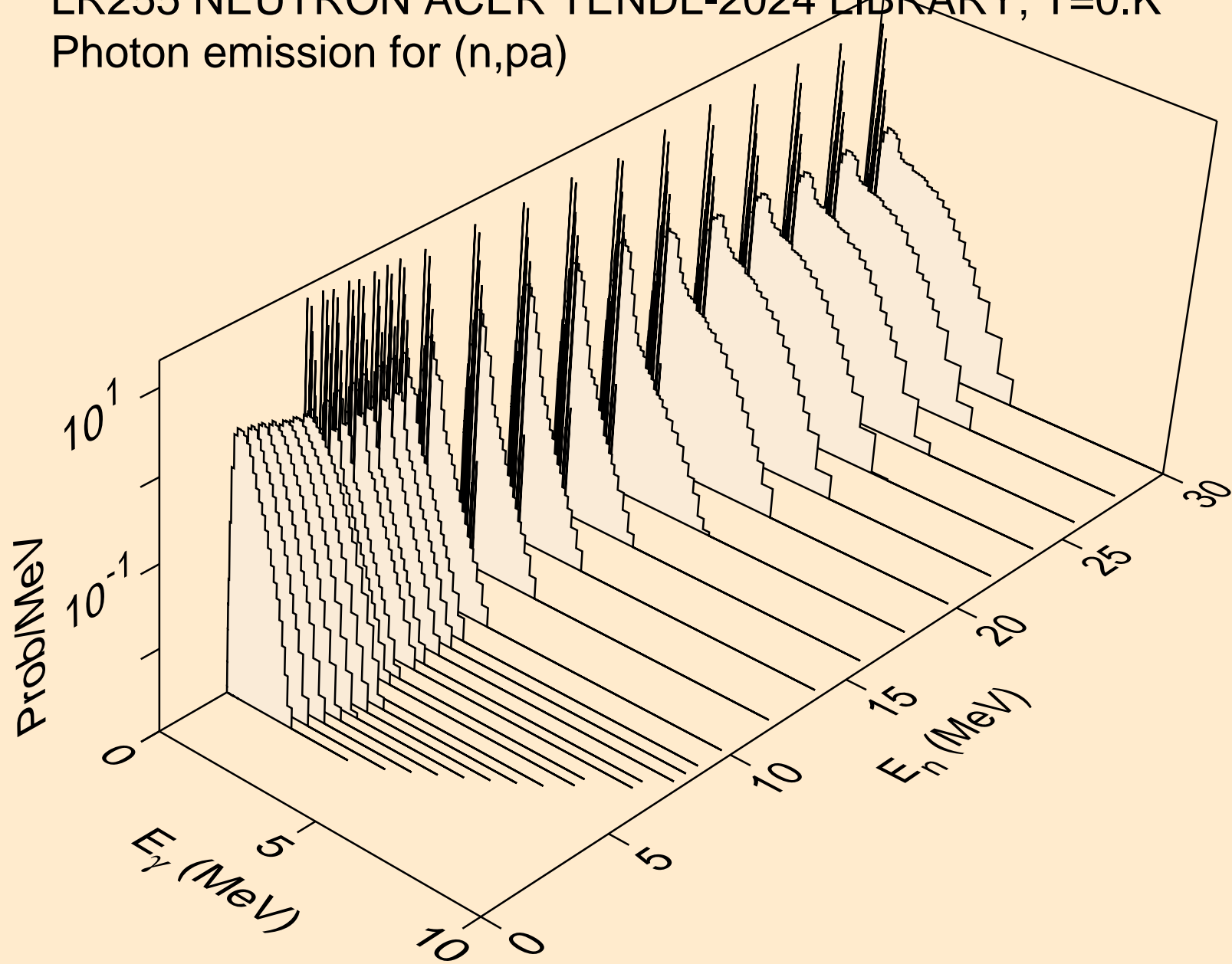
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Photon emission for (n,a)



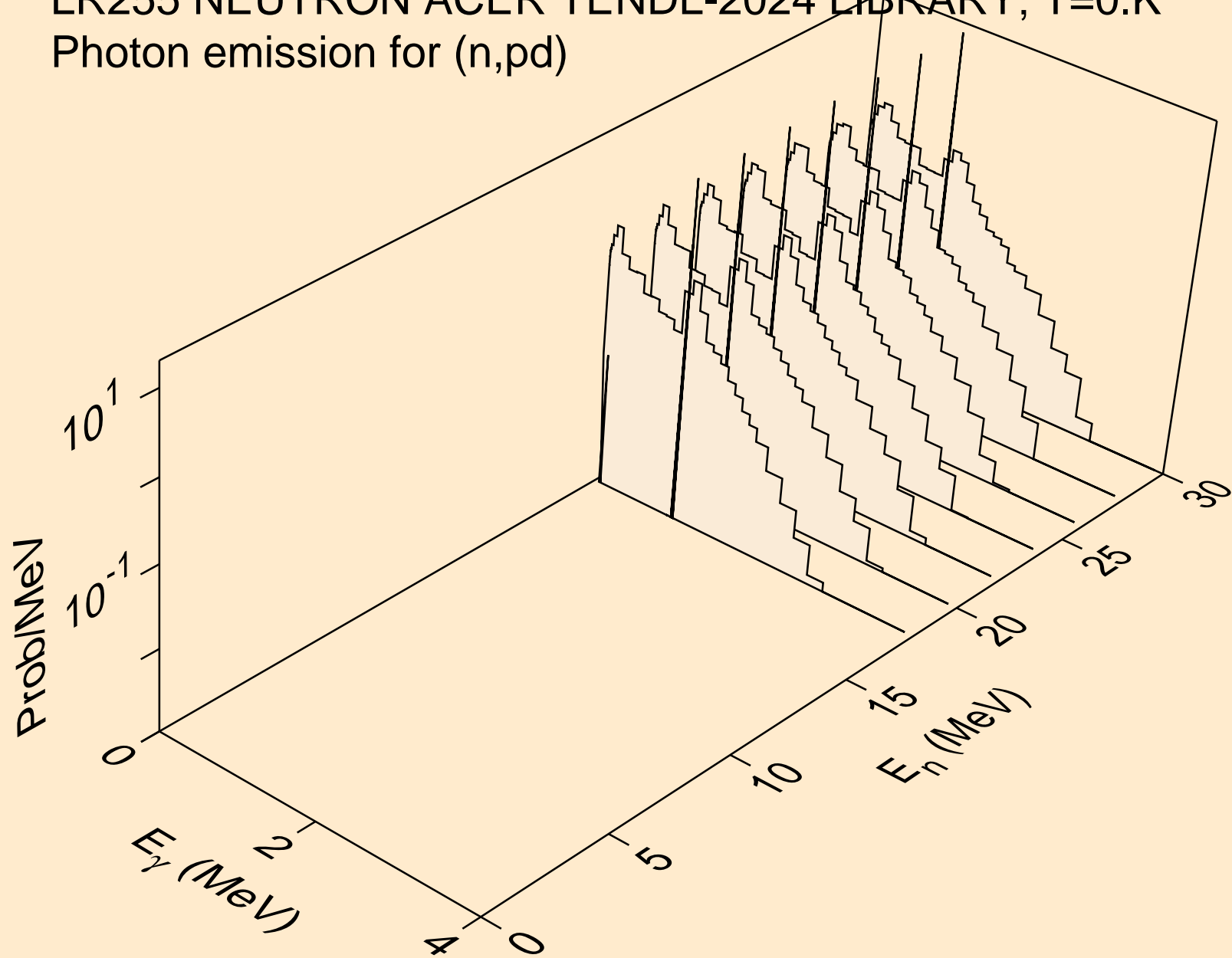
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Photon emission for (n,2p)



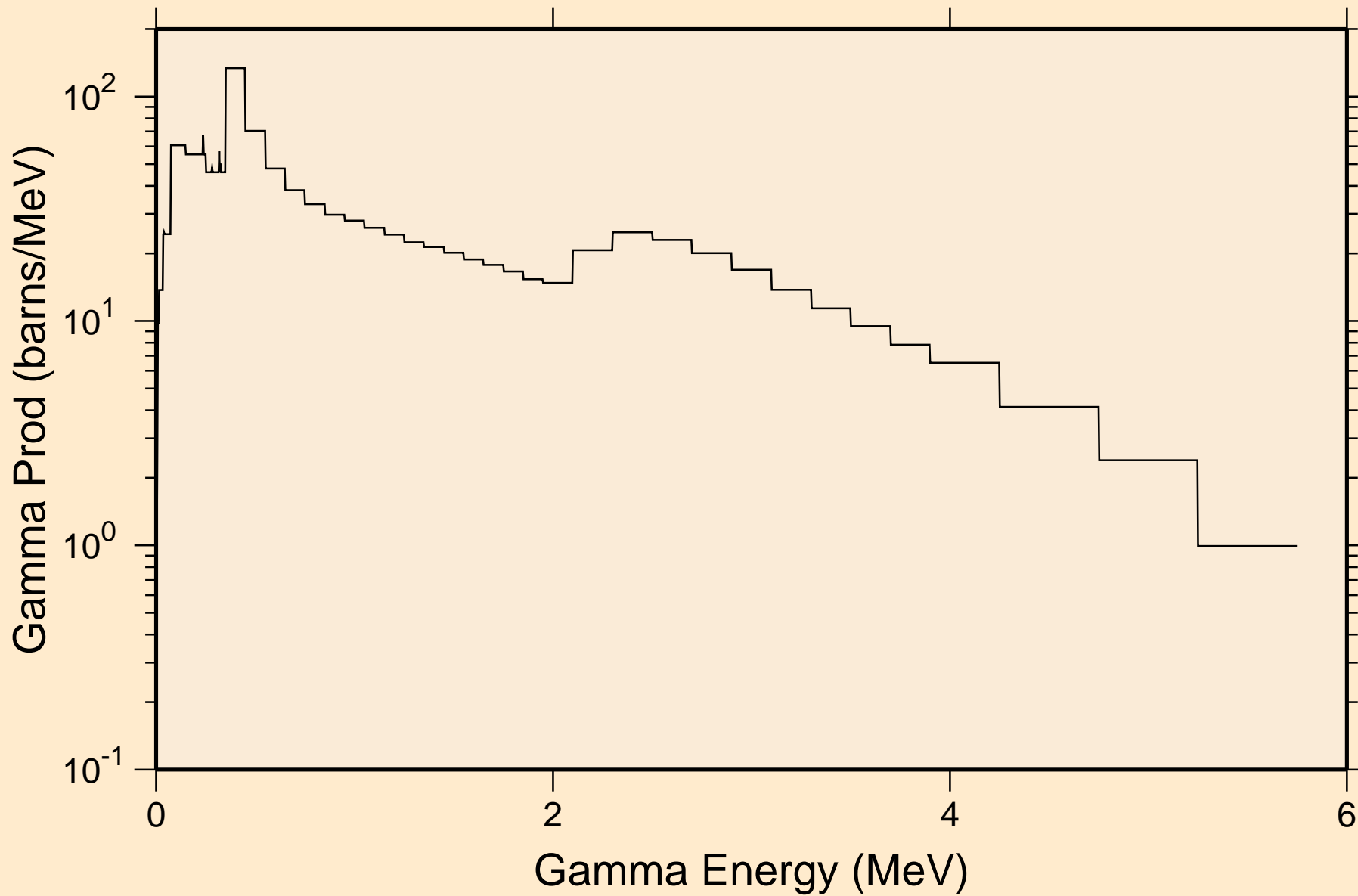
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Photon emission for (n,p $\alpha$ )



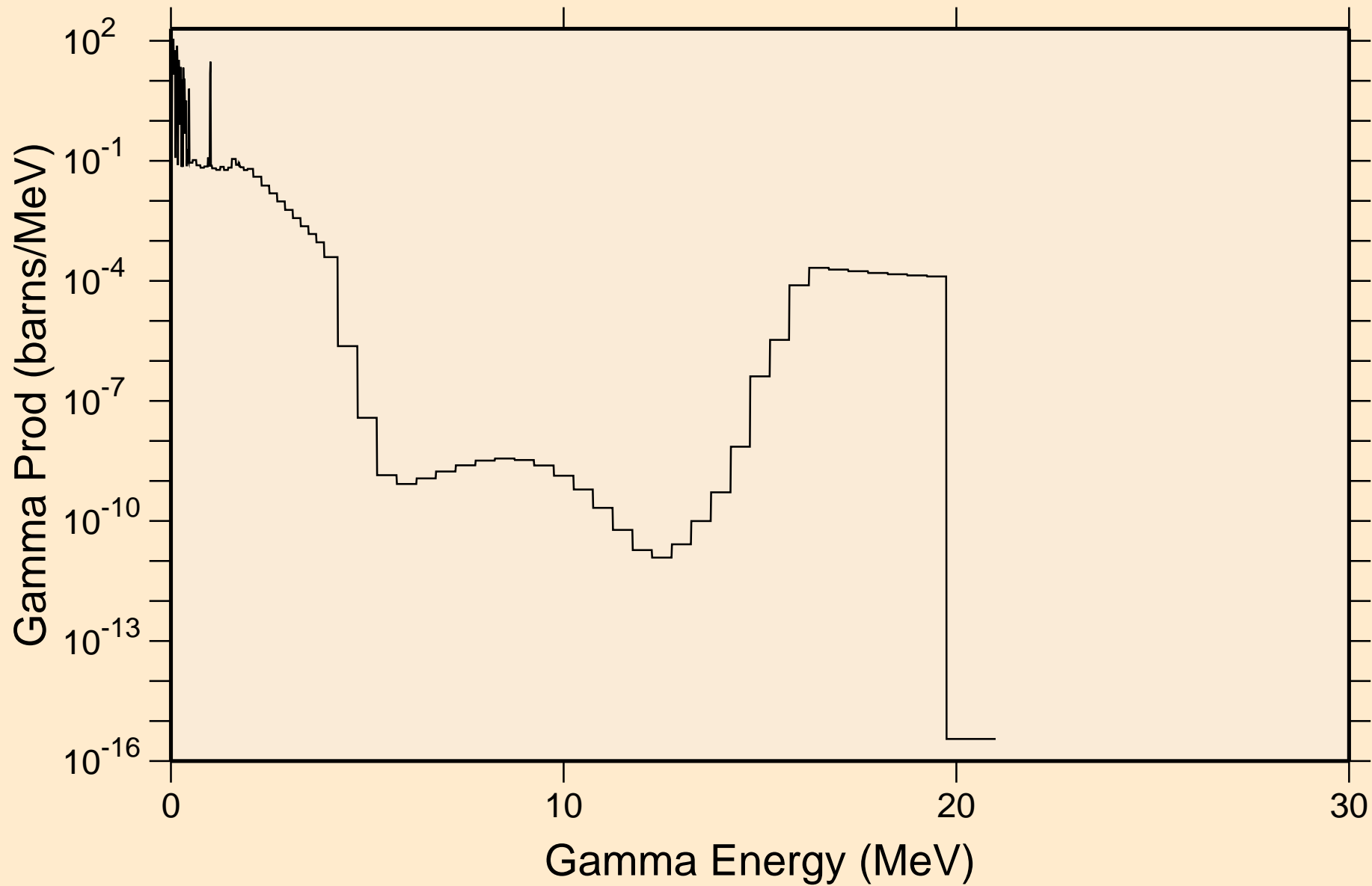
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

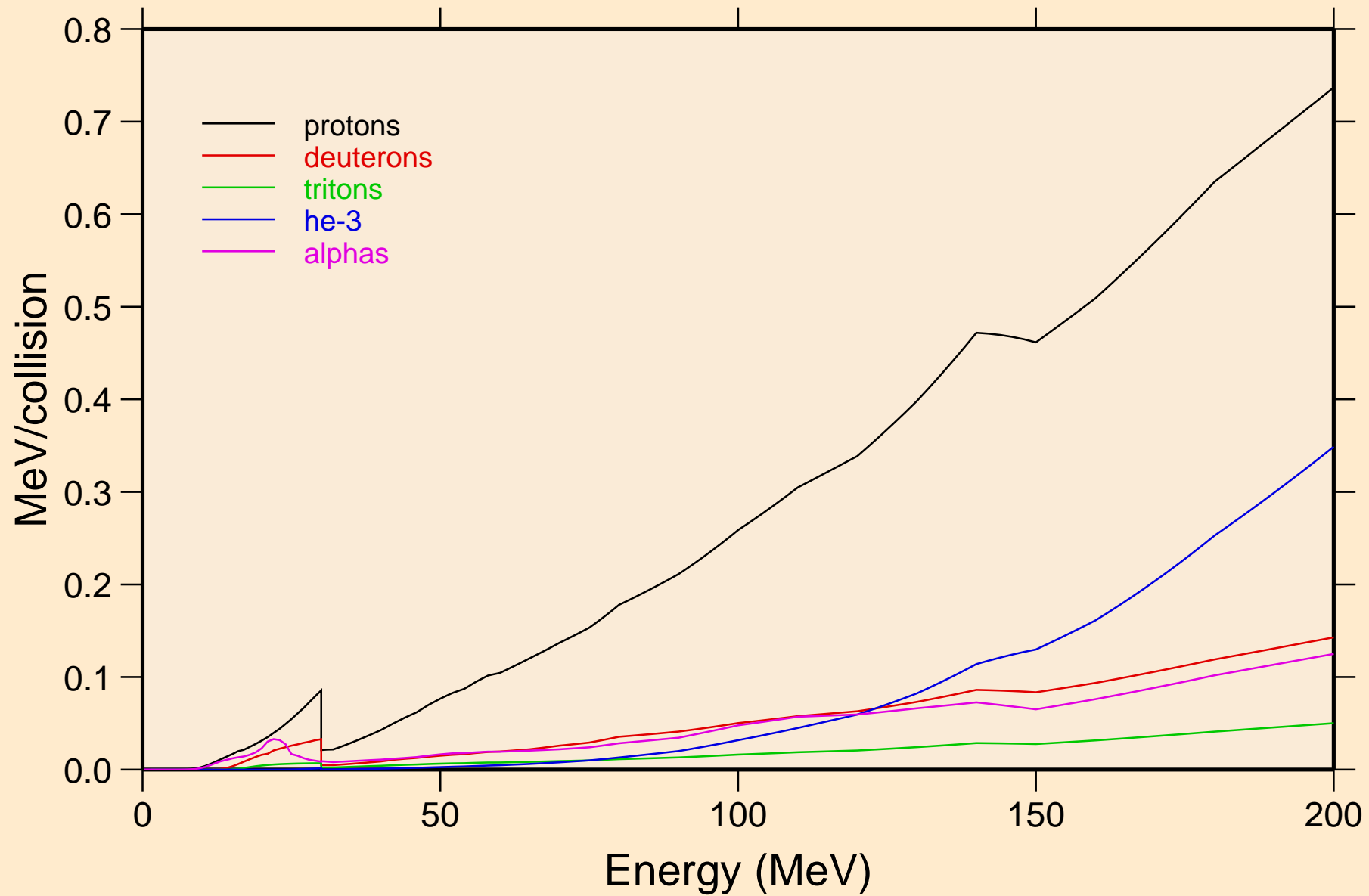


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14 MeV photon spectrum



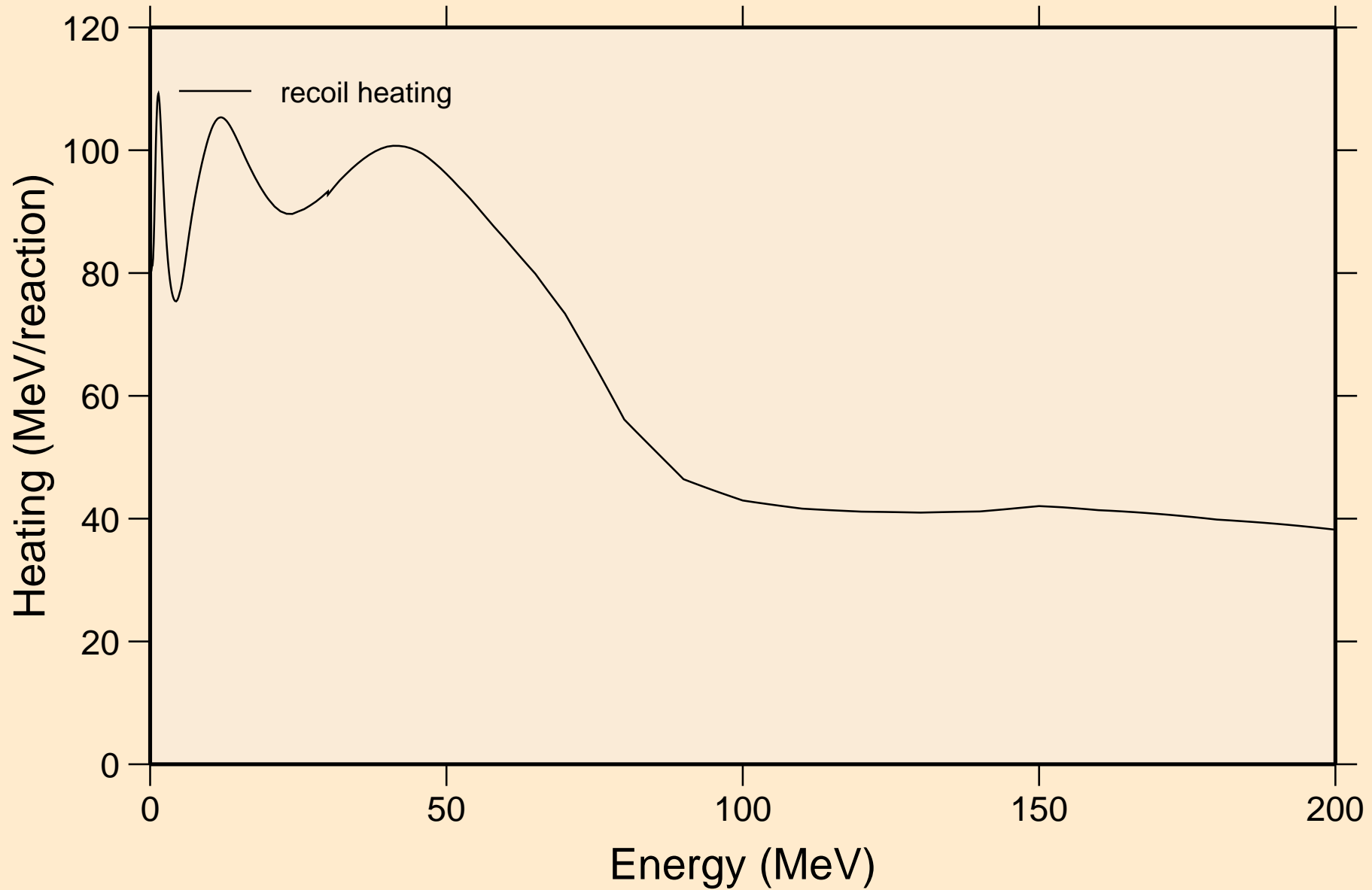
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## Particle heating contributions



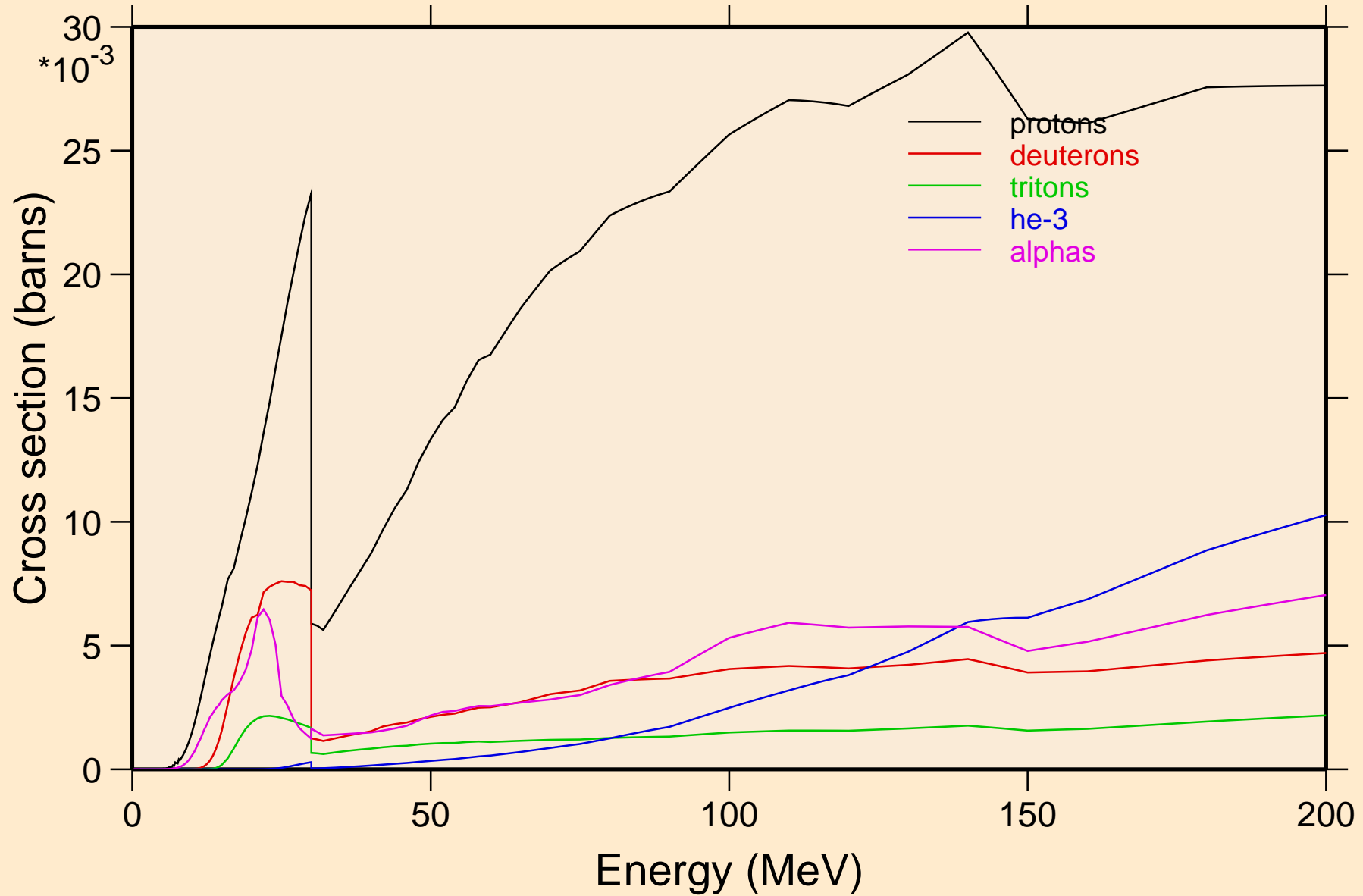


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Recoil Heating

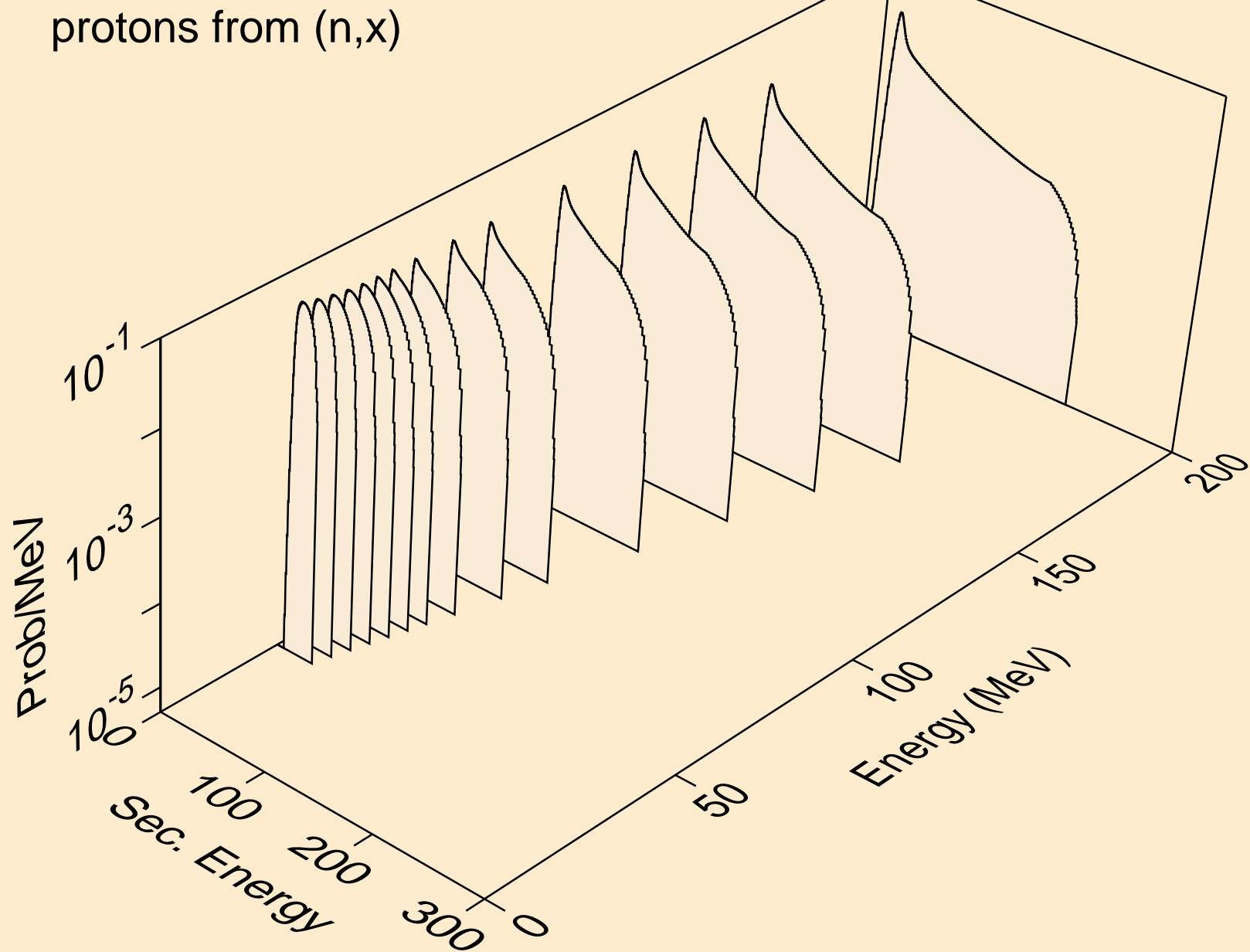


# LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

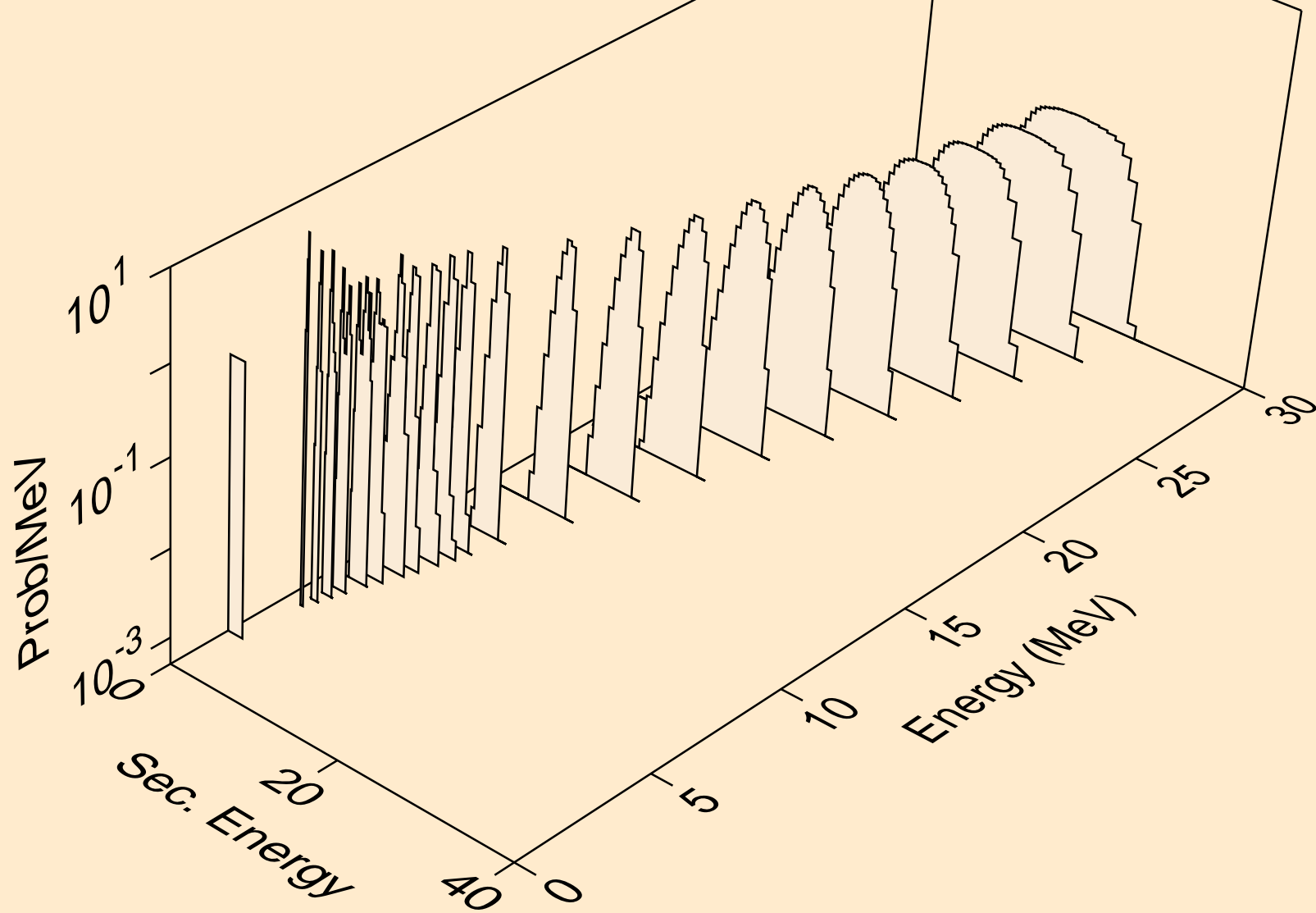
## Particle production cross sections



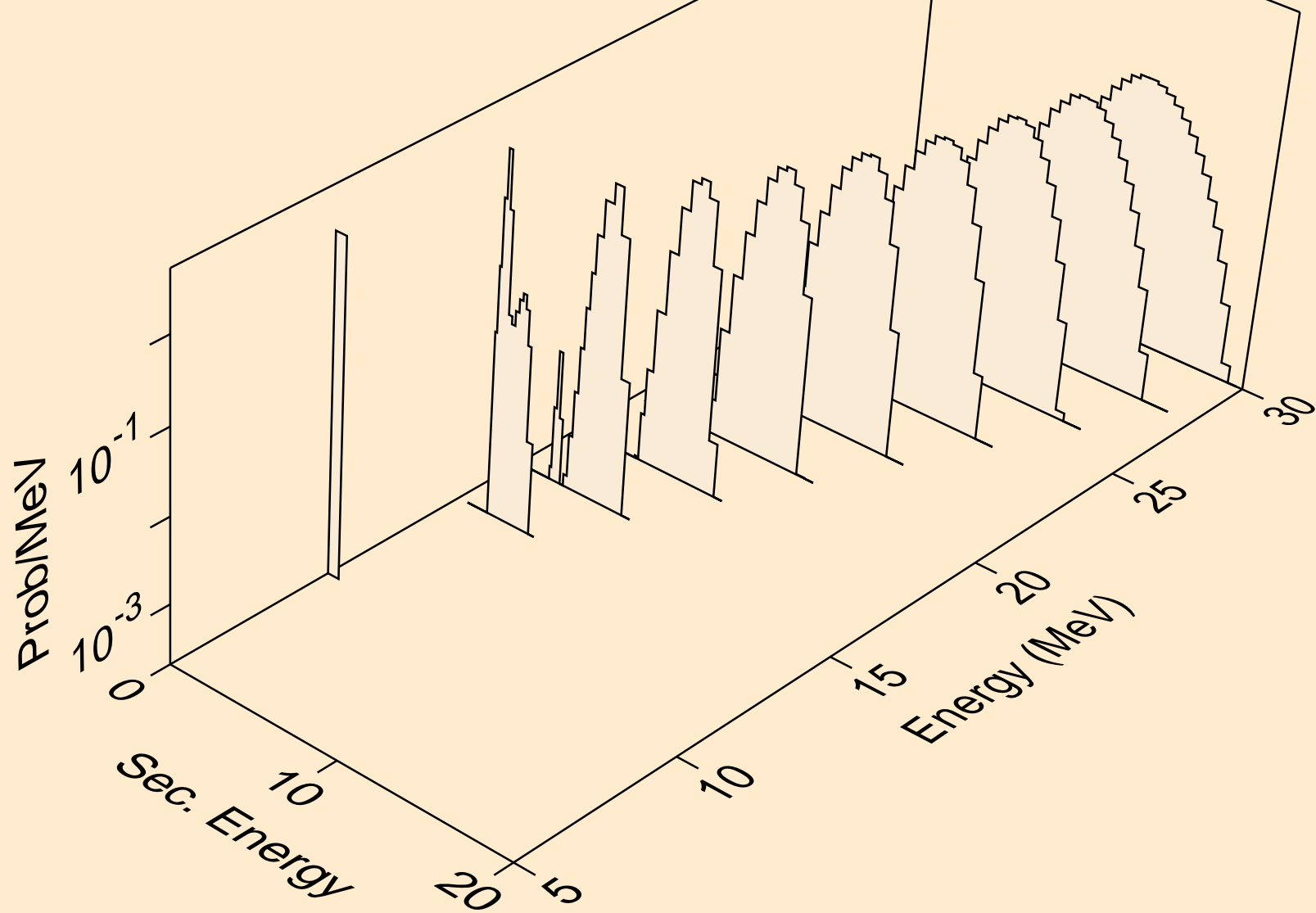
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protons from (n,x)



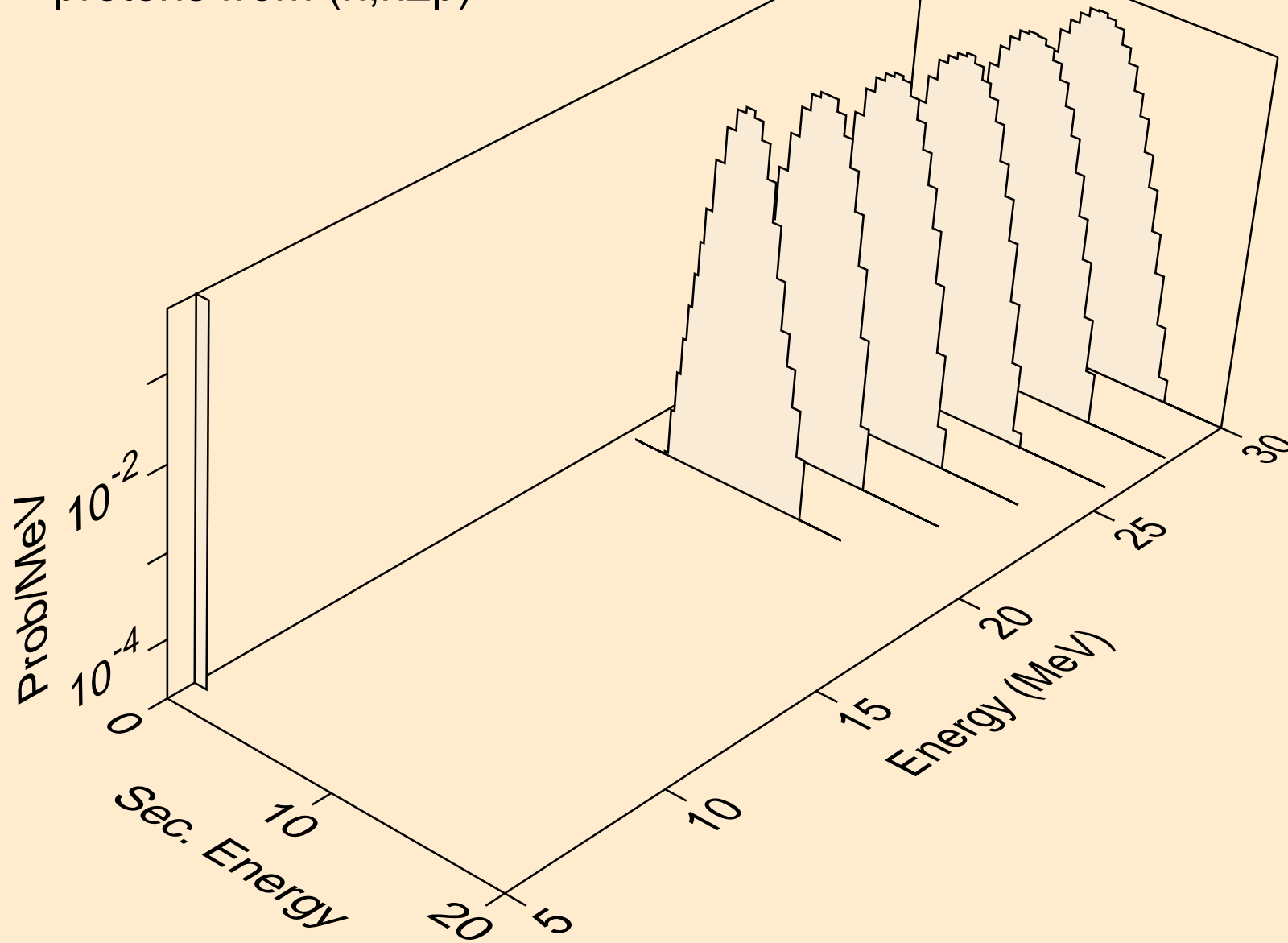
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



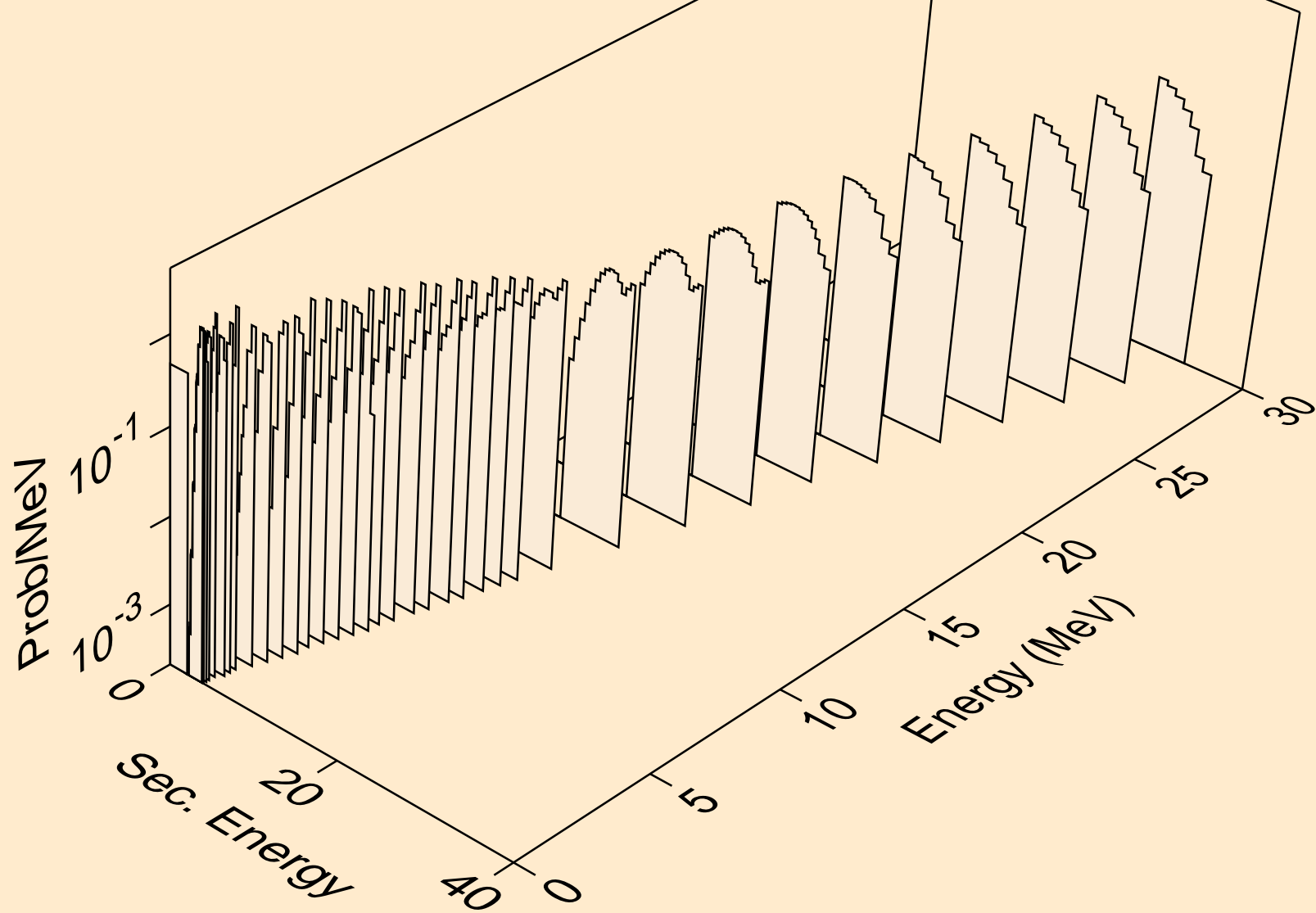
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protons from (n,2np)



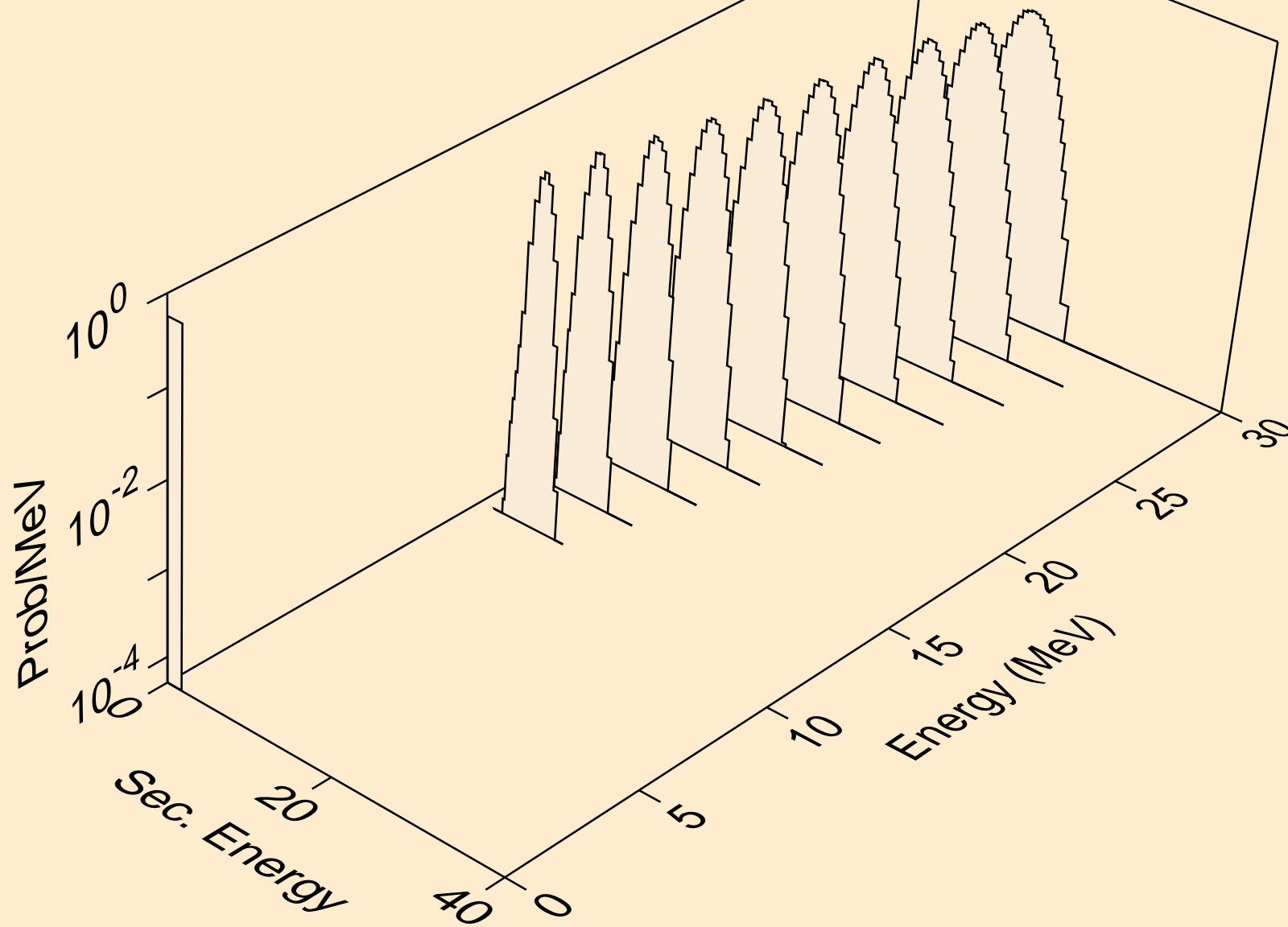
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

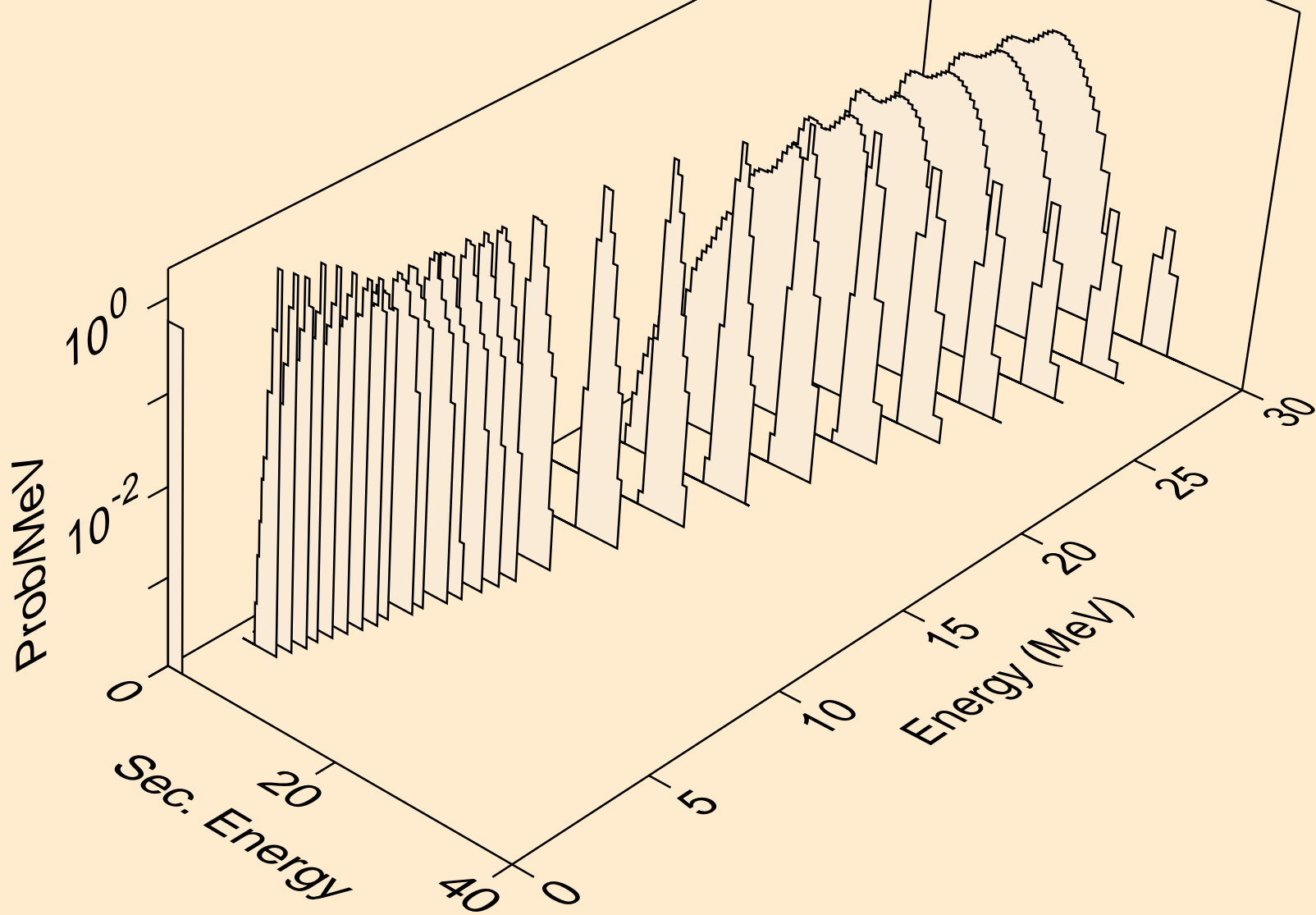


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2p)

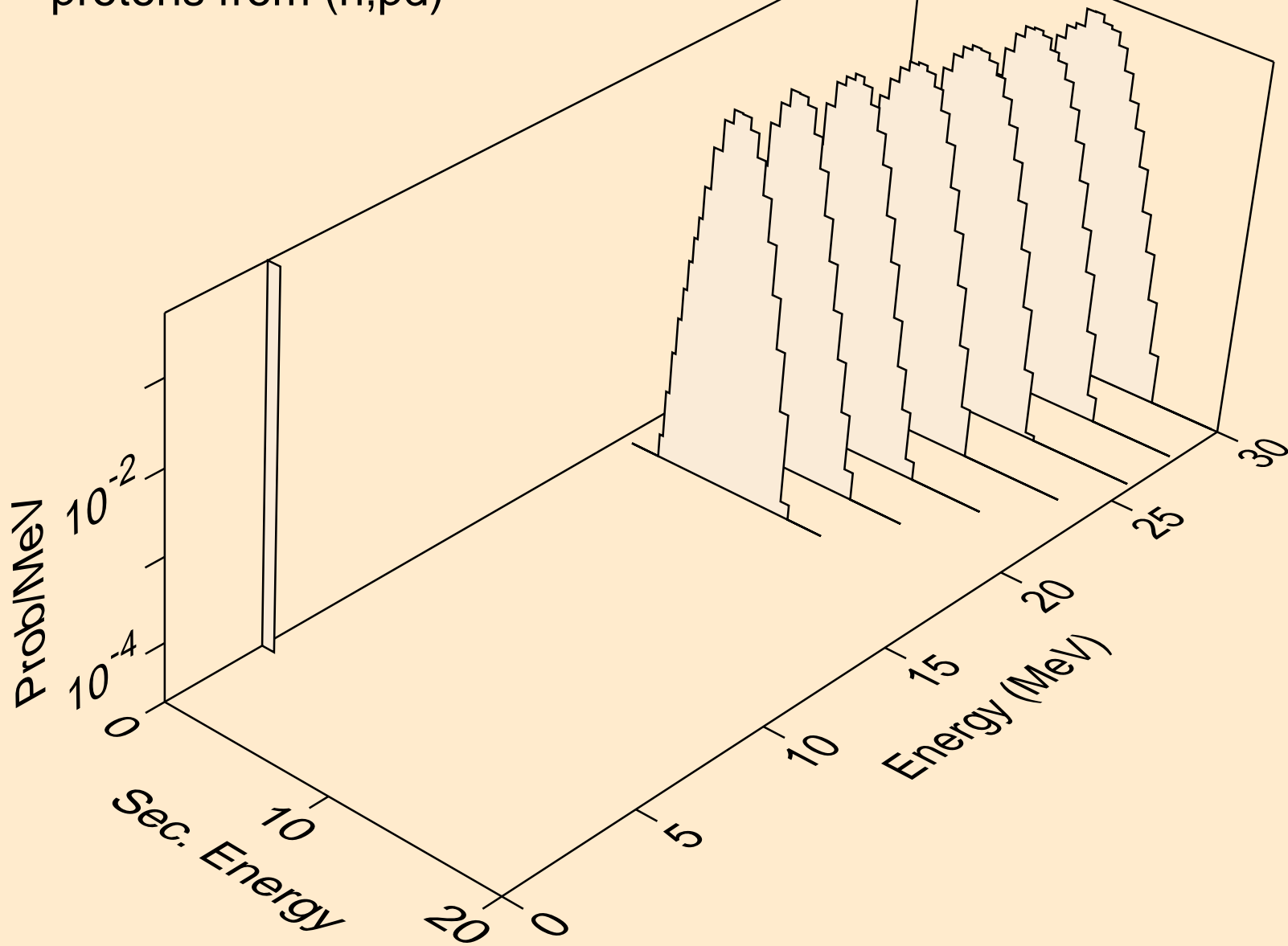




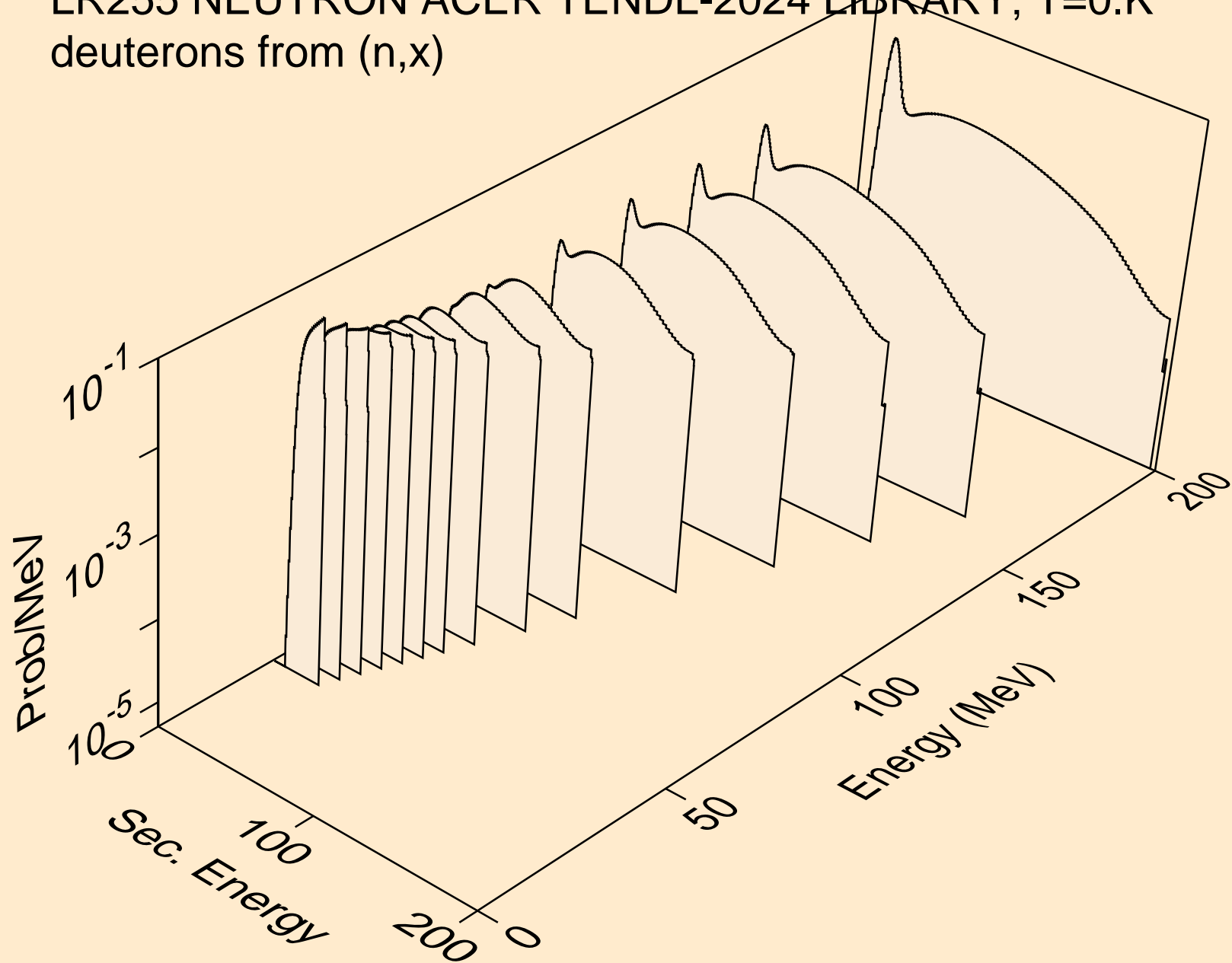
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protons from (n,p)



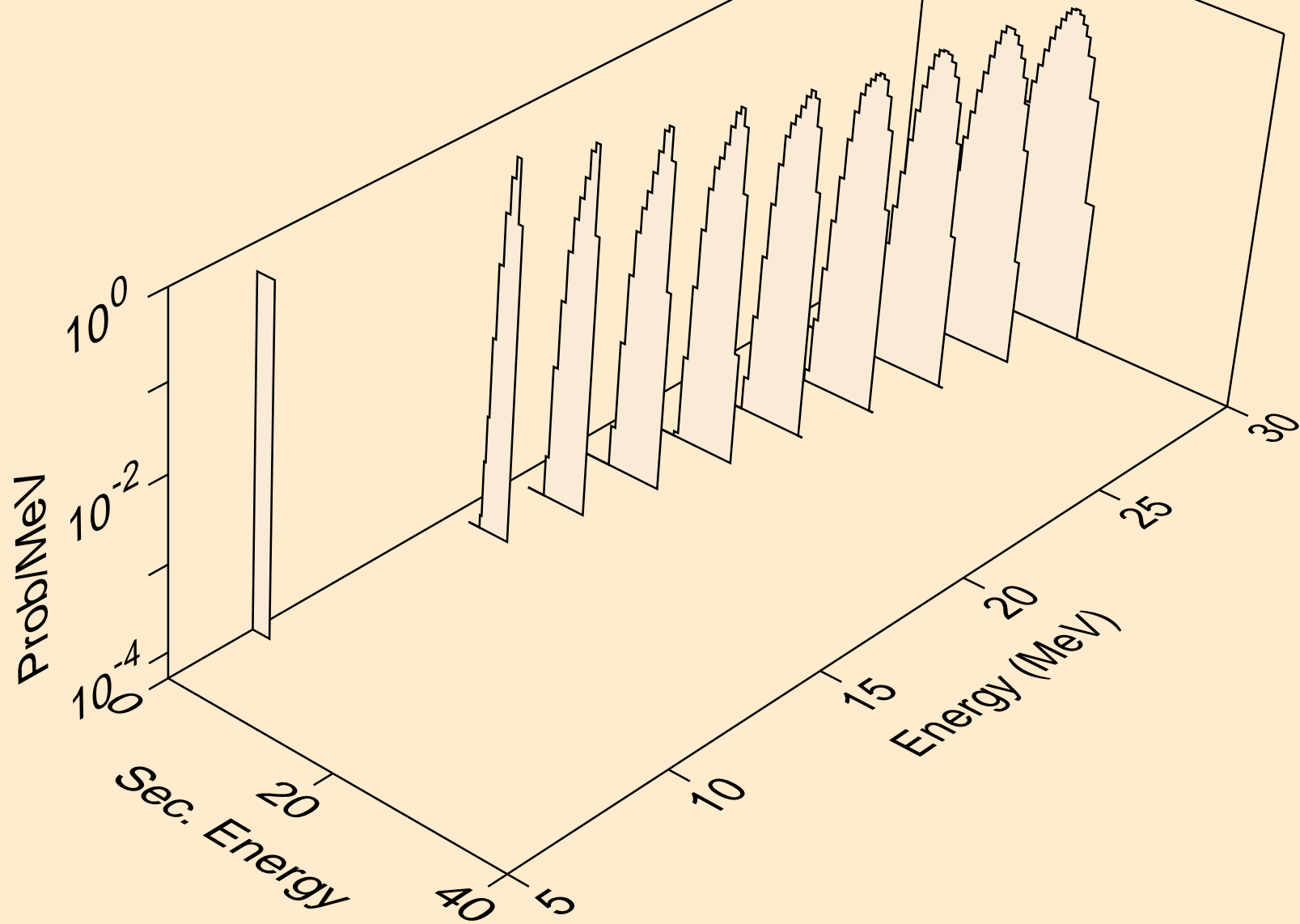
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protons from (n,pd)



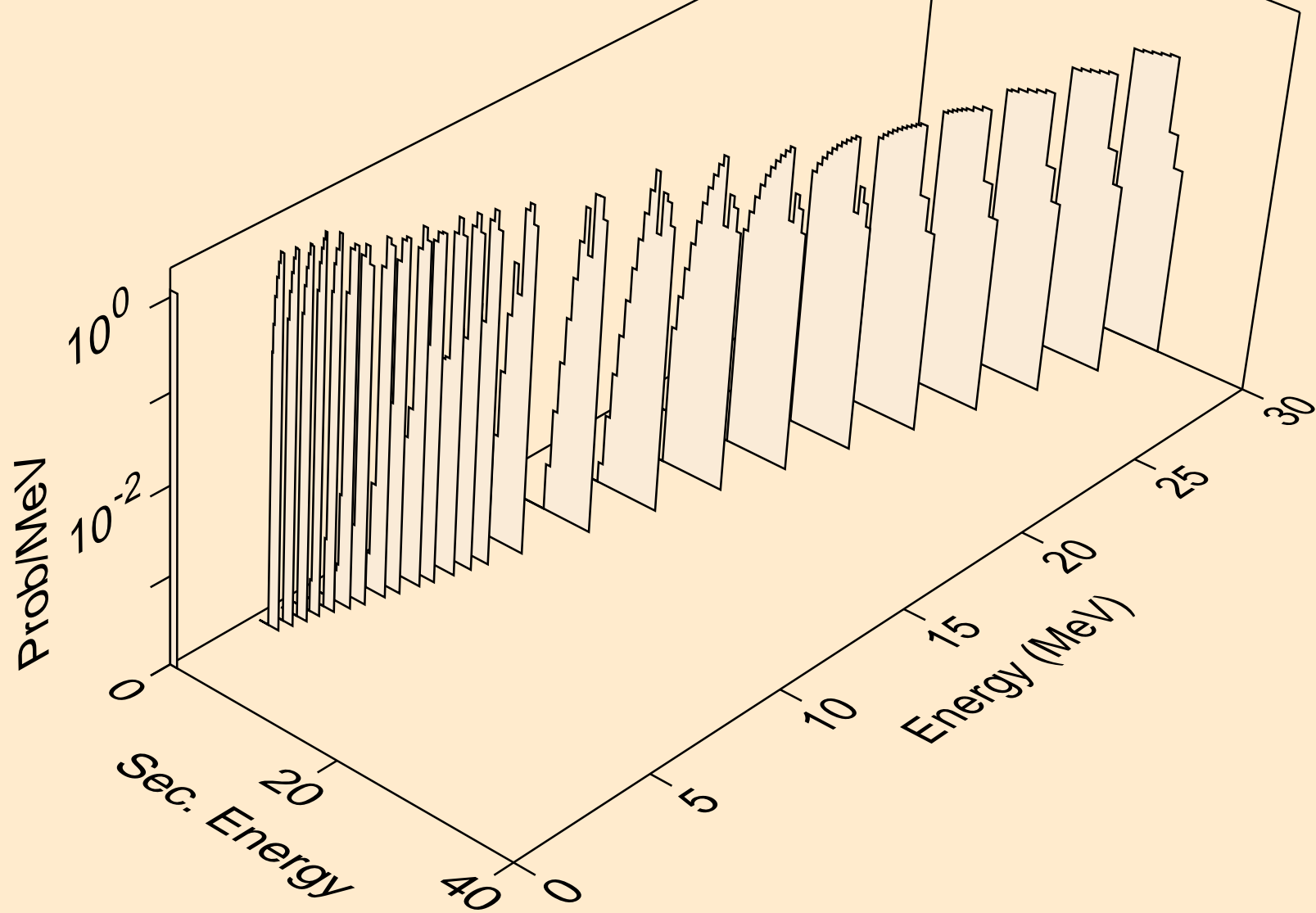
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deuterons from (n,x)



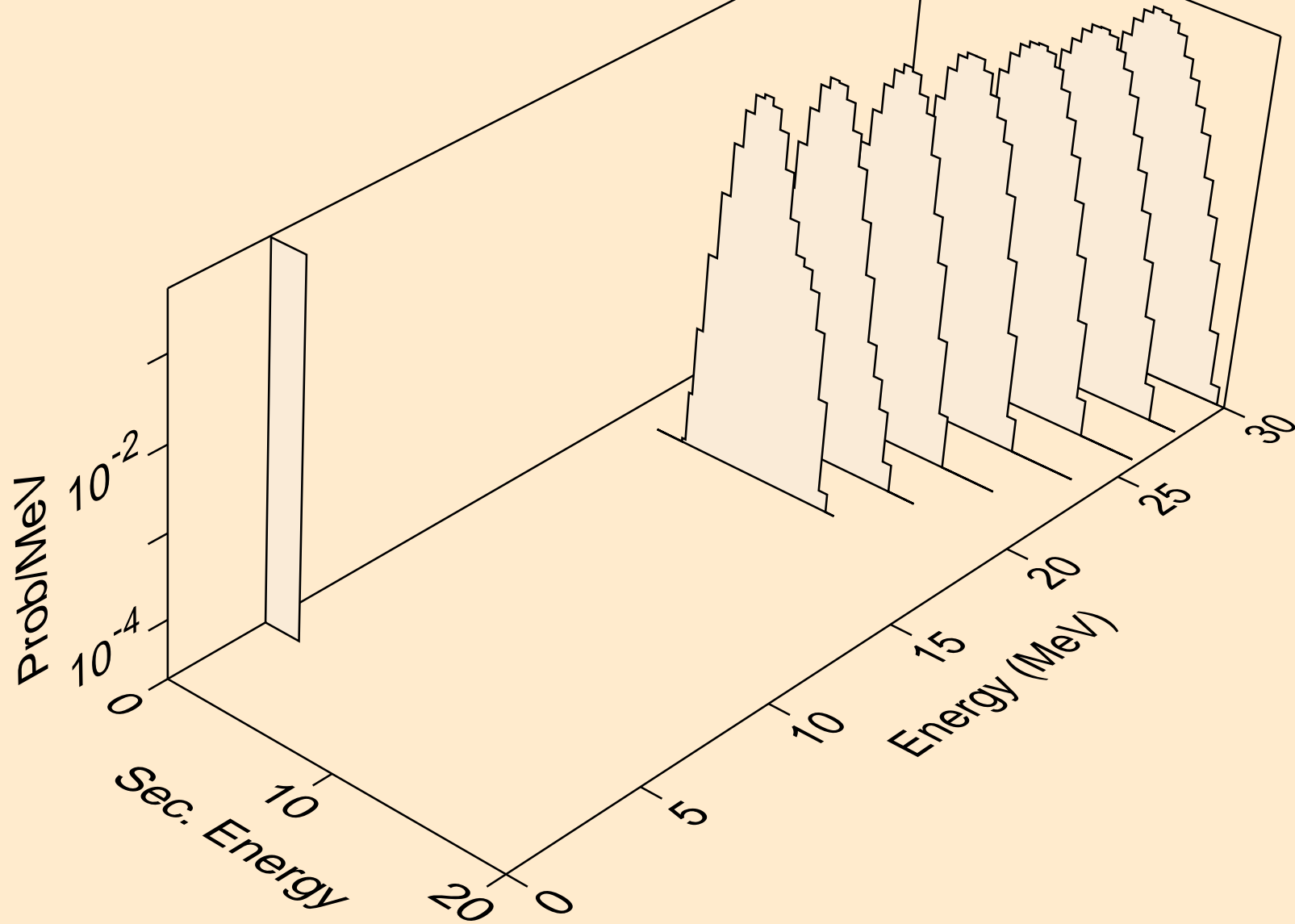
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deuterons from (n,n\*)d



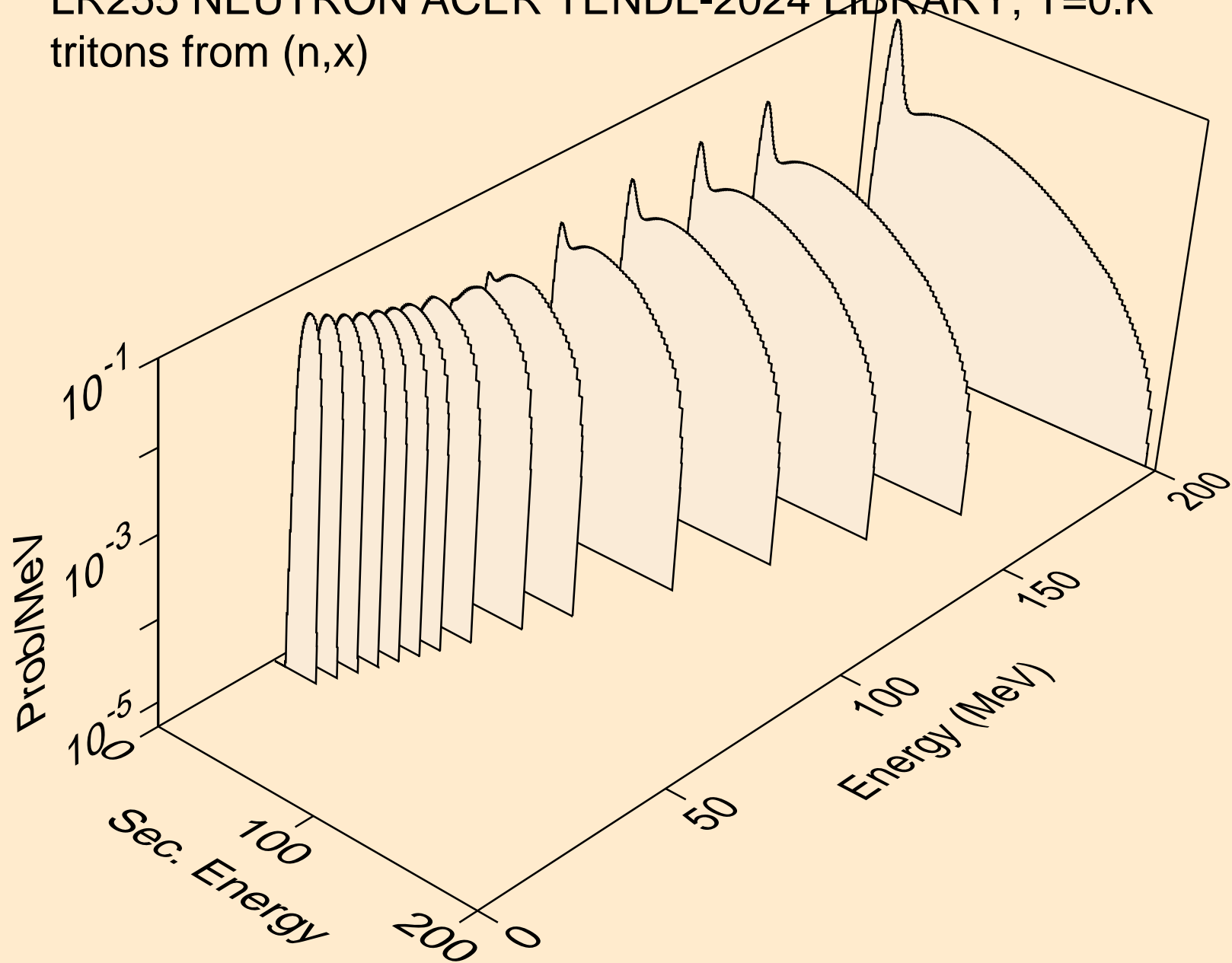
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deuterons from (n,d)



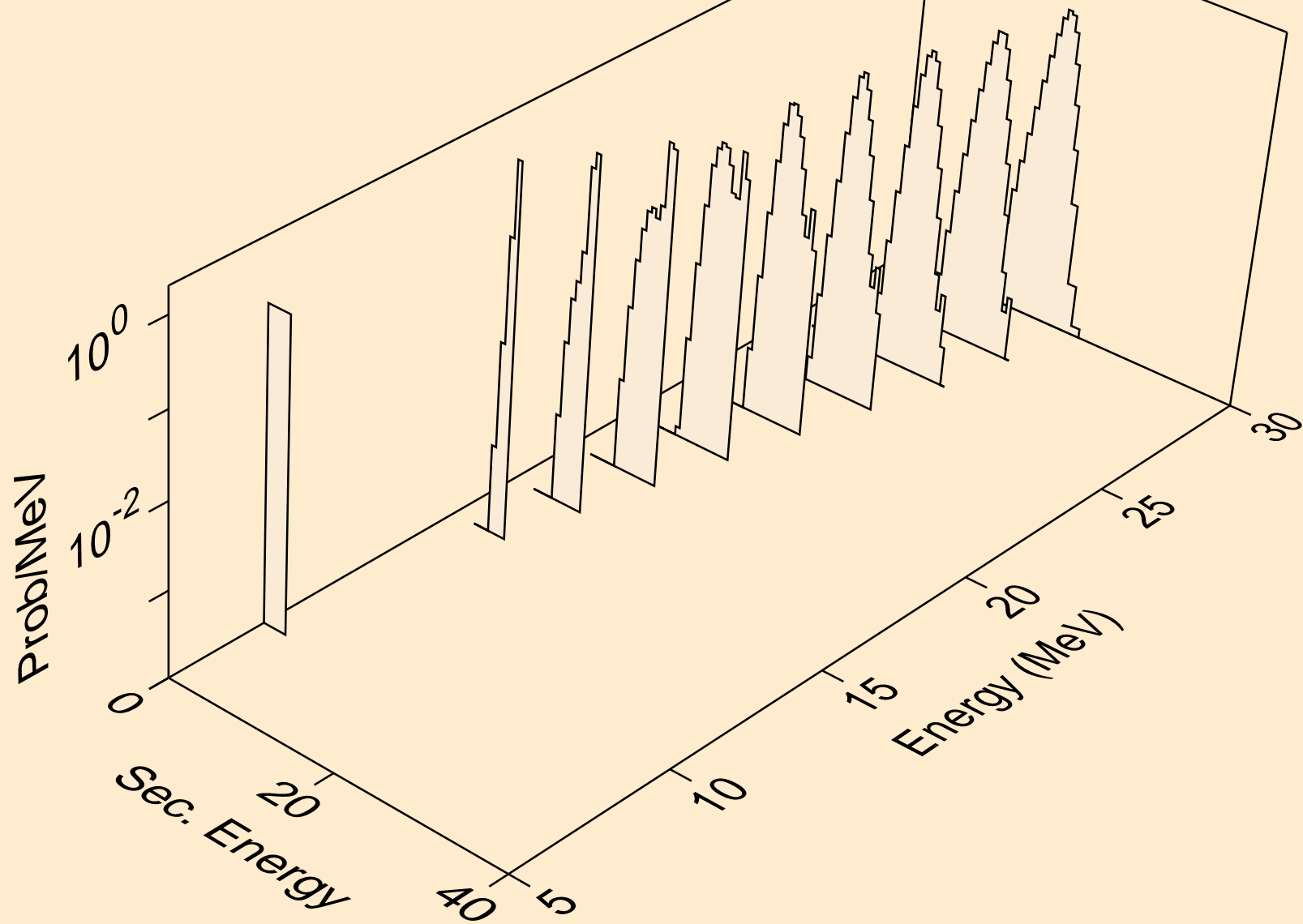
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

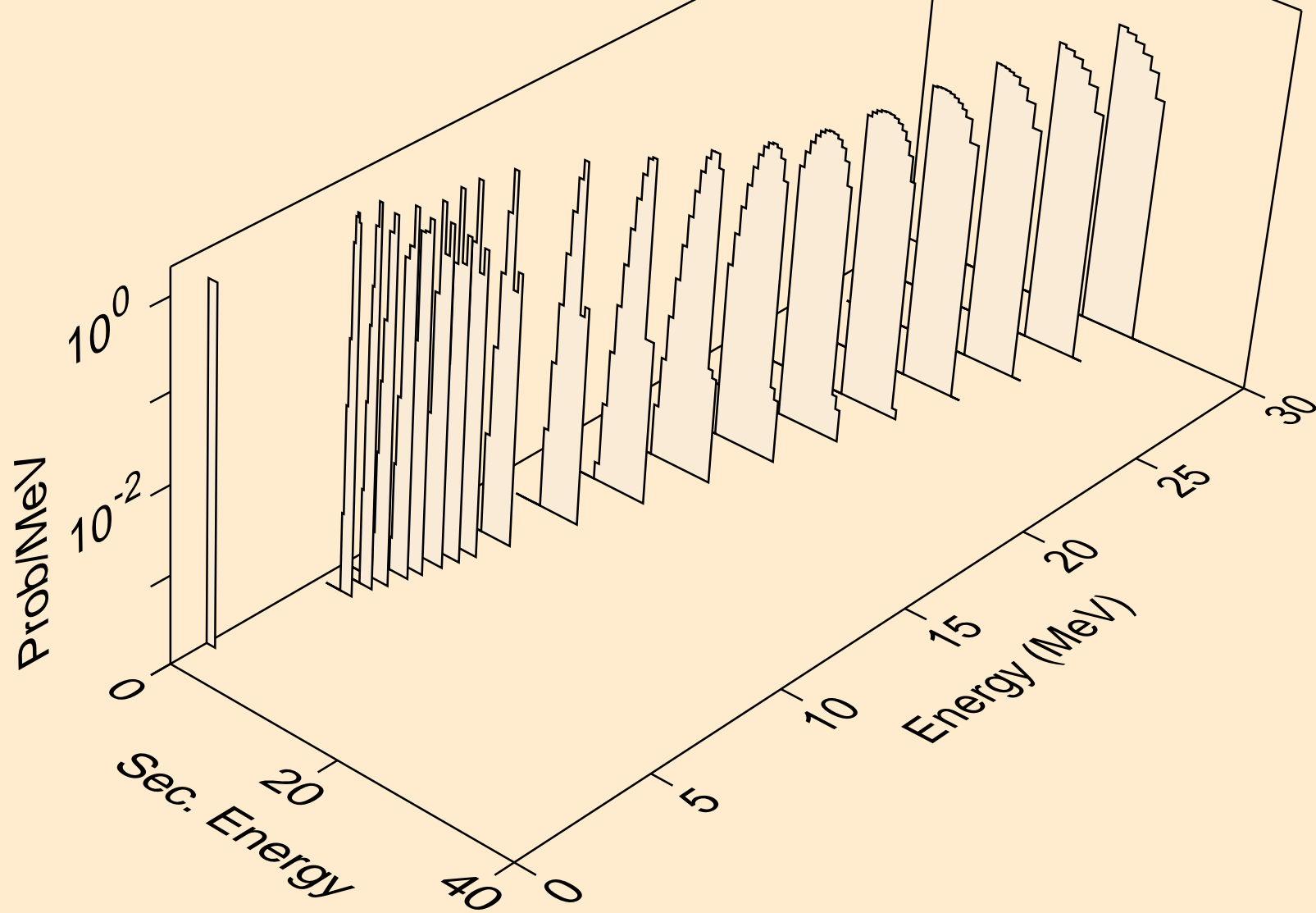


LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

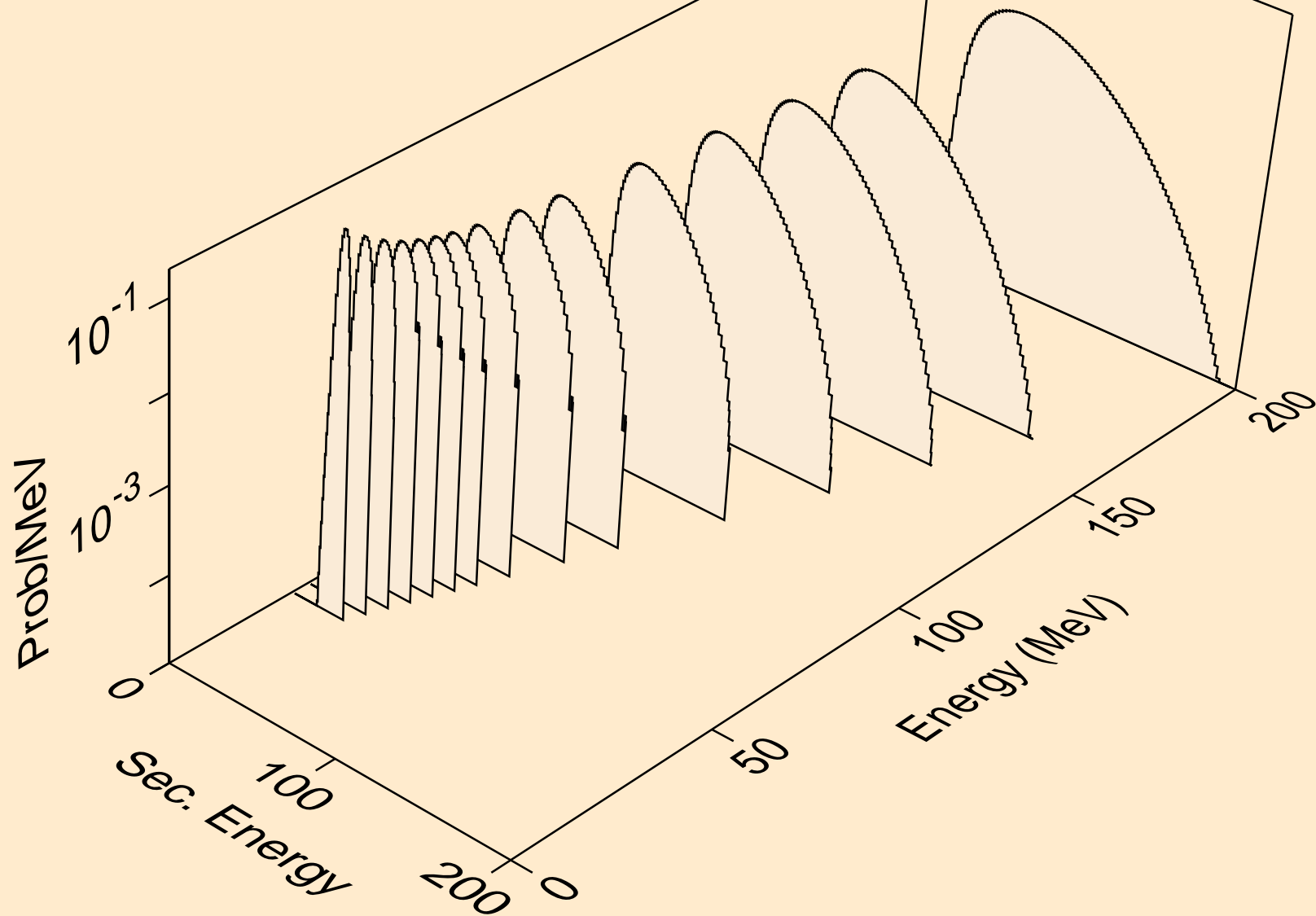




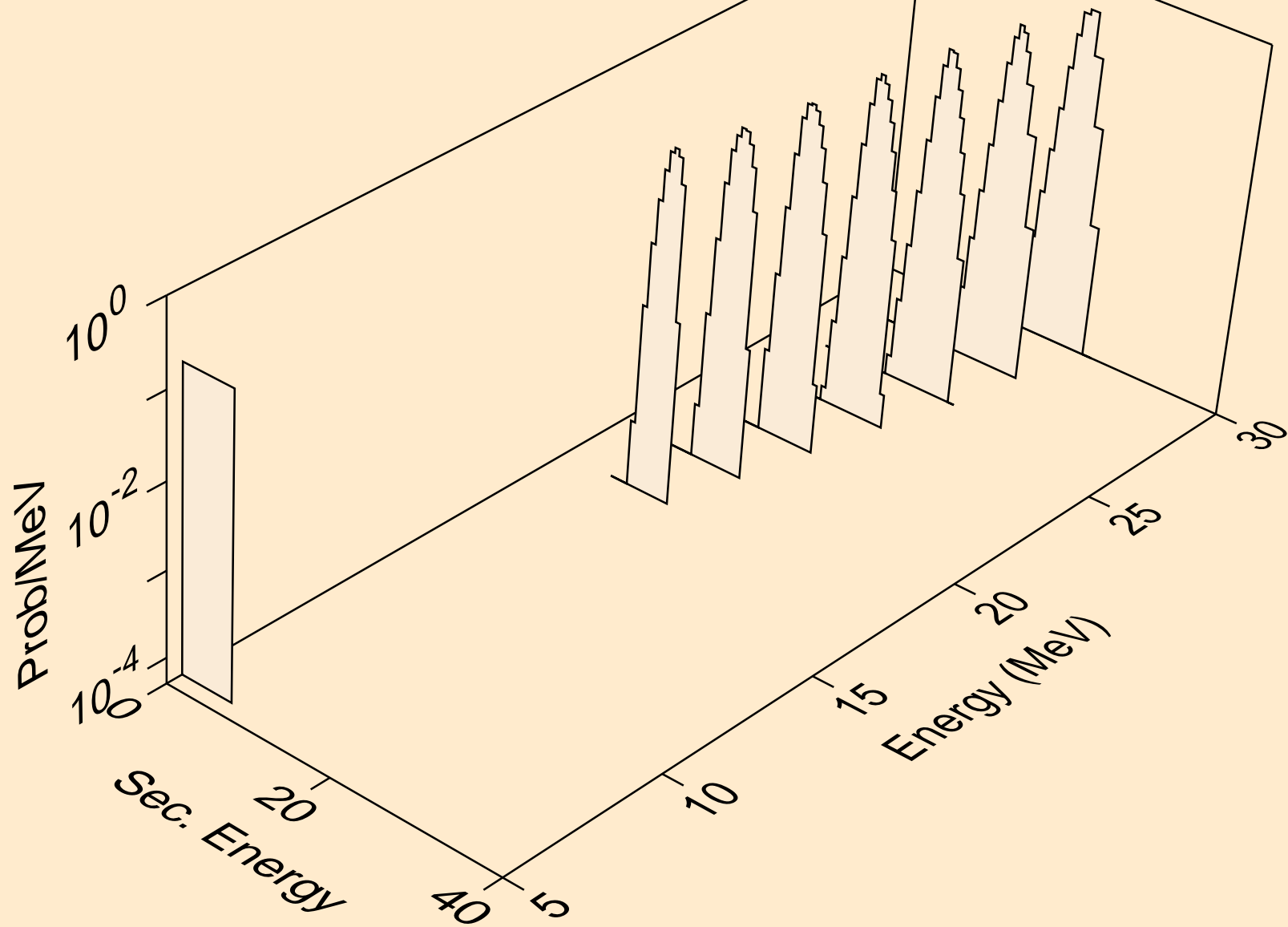
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tritons from (n,t)



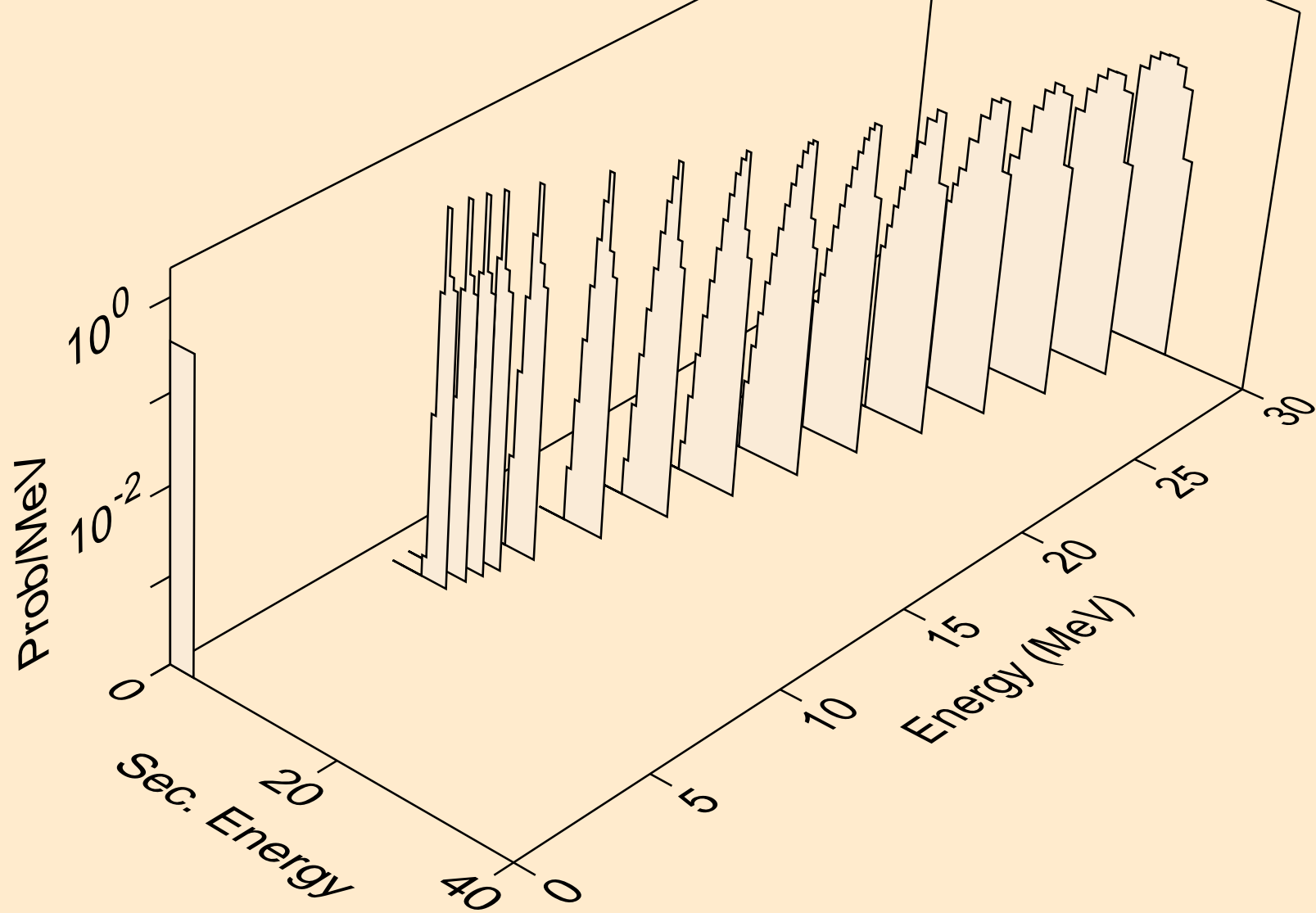
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he3s from (n,x)



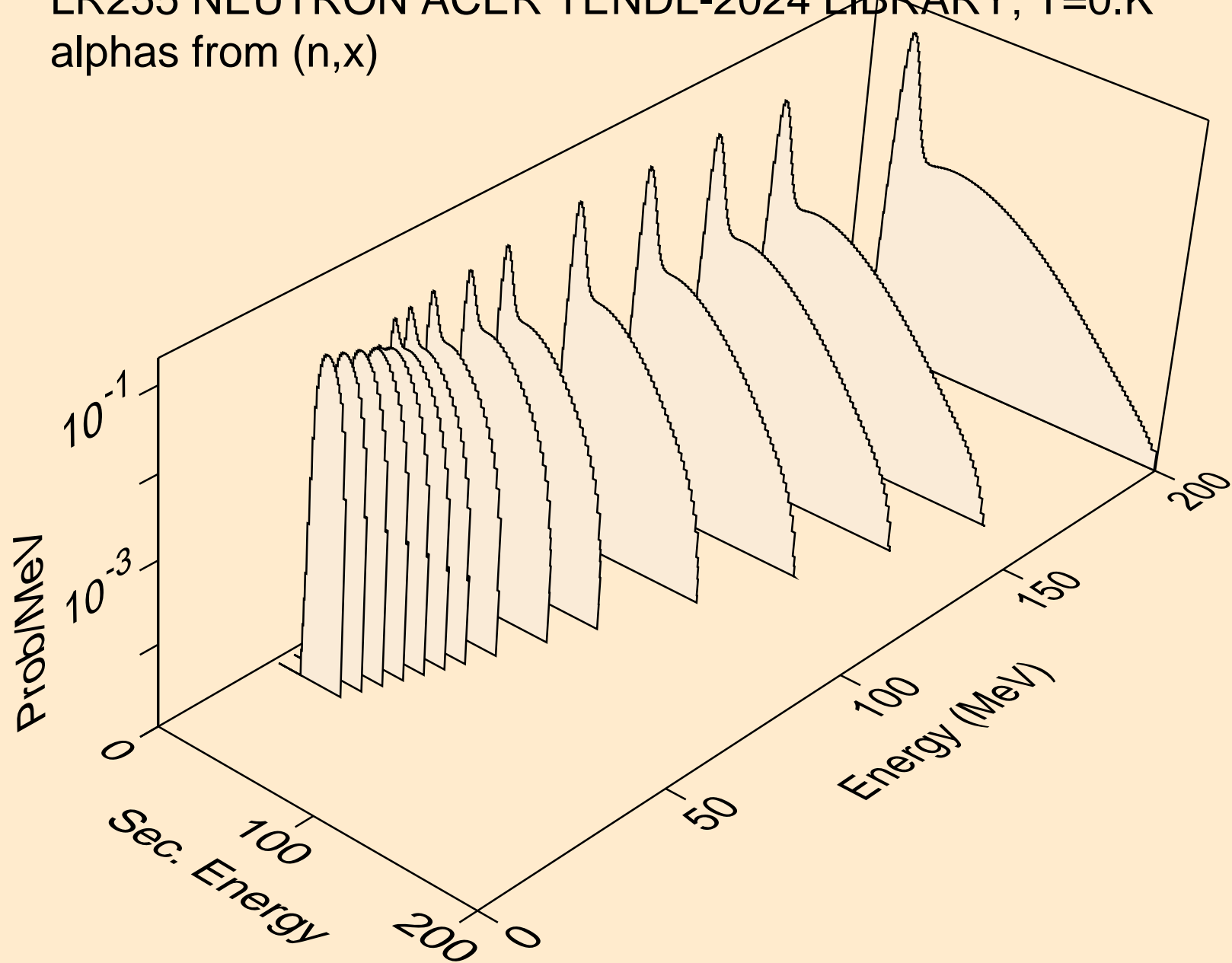
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he3s from (n,n\*)he3



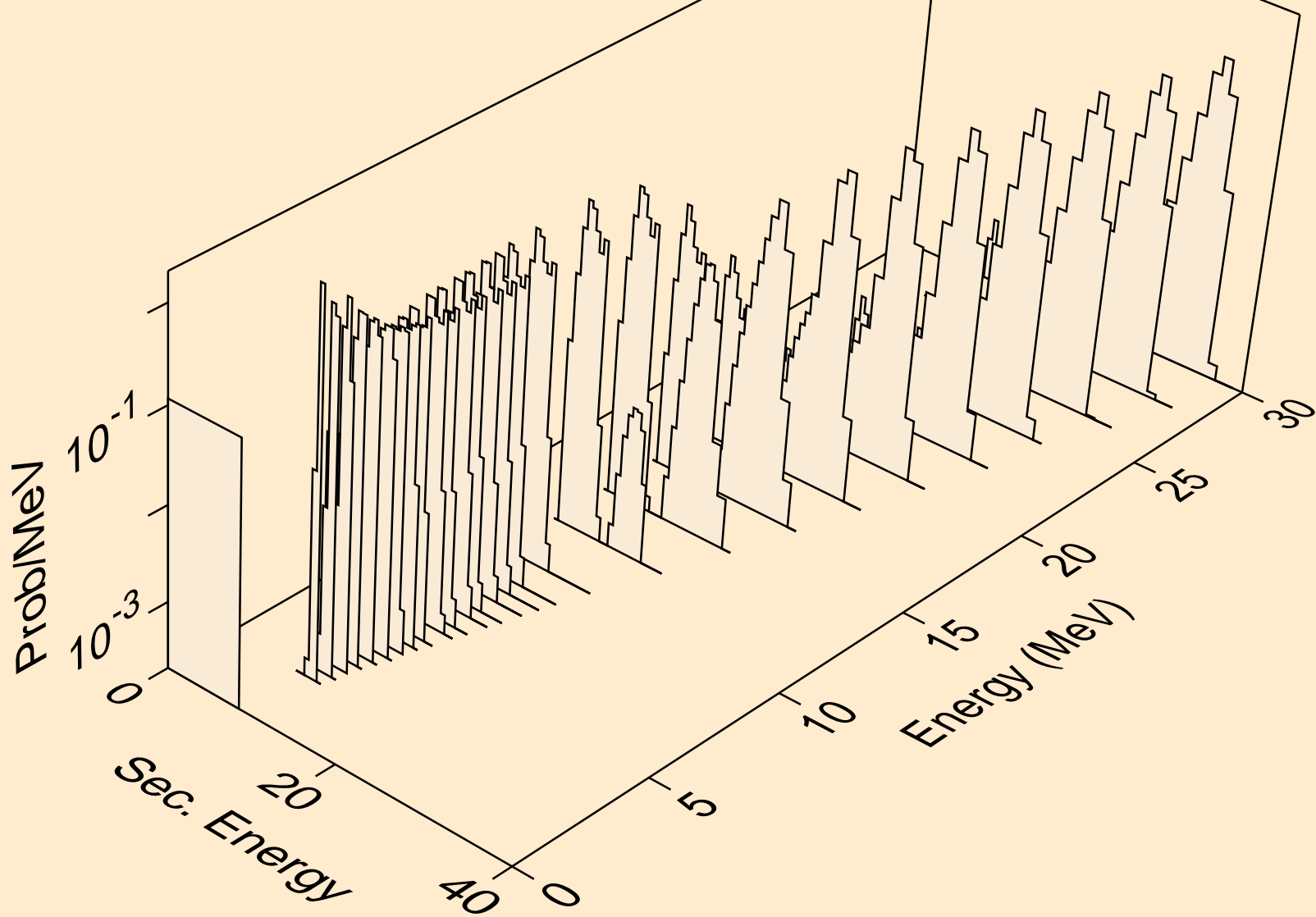
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he3s from (n,he3)



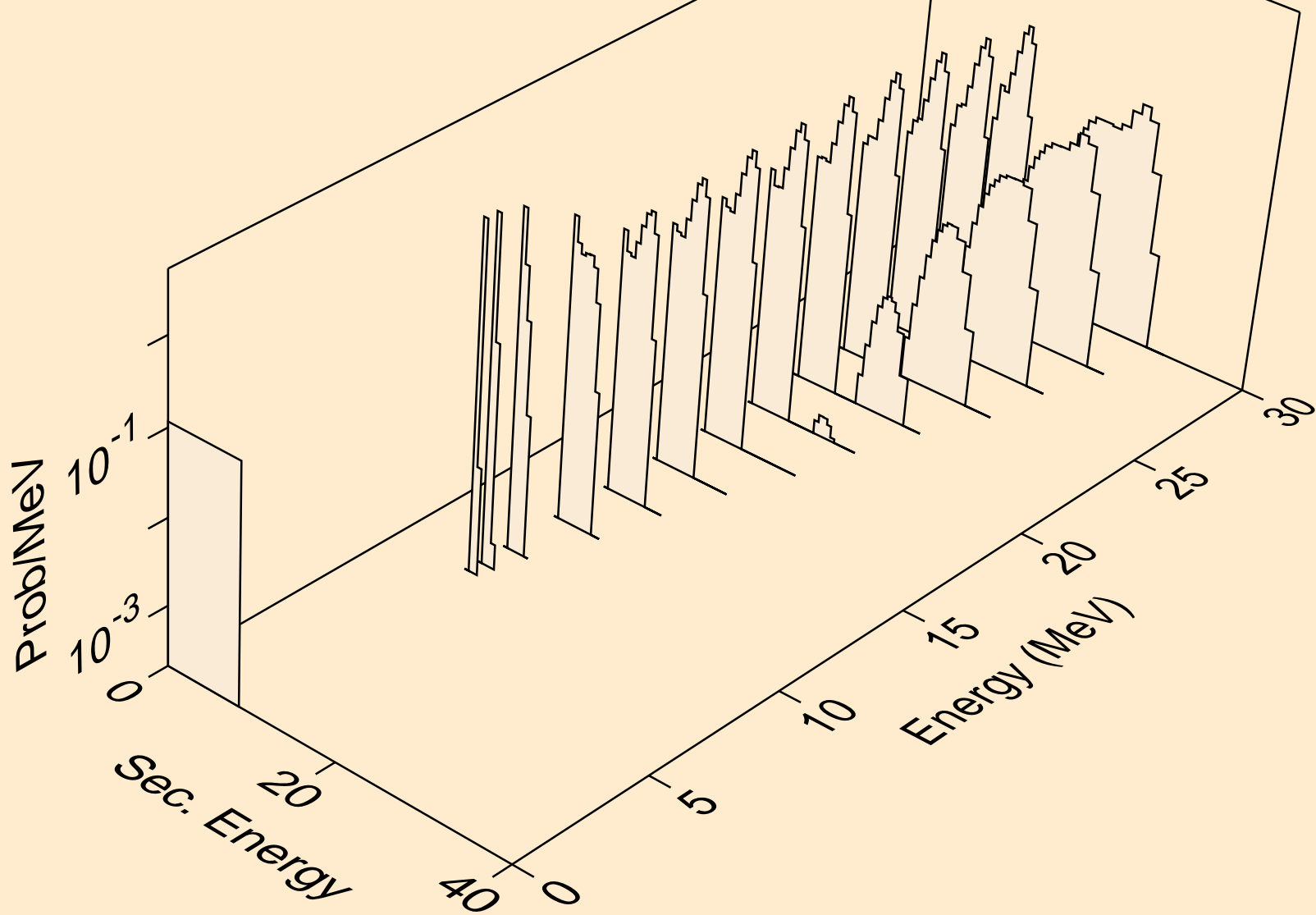
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



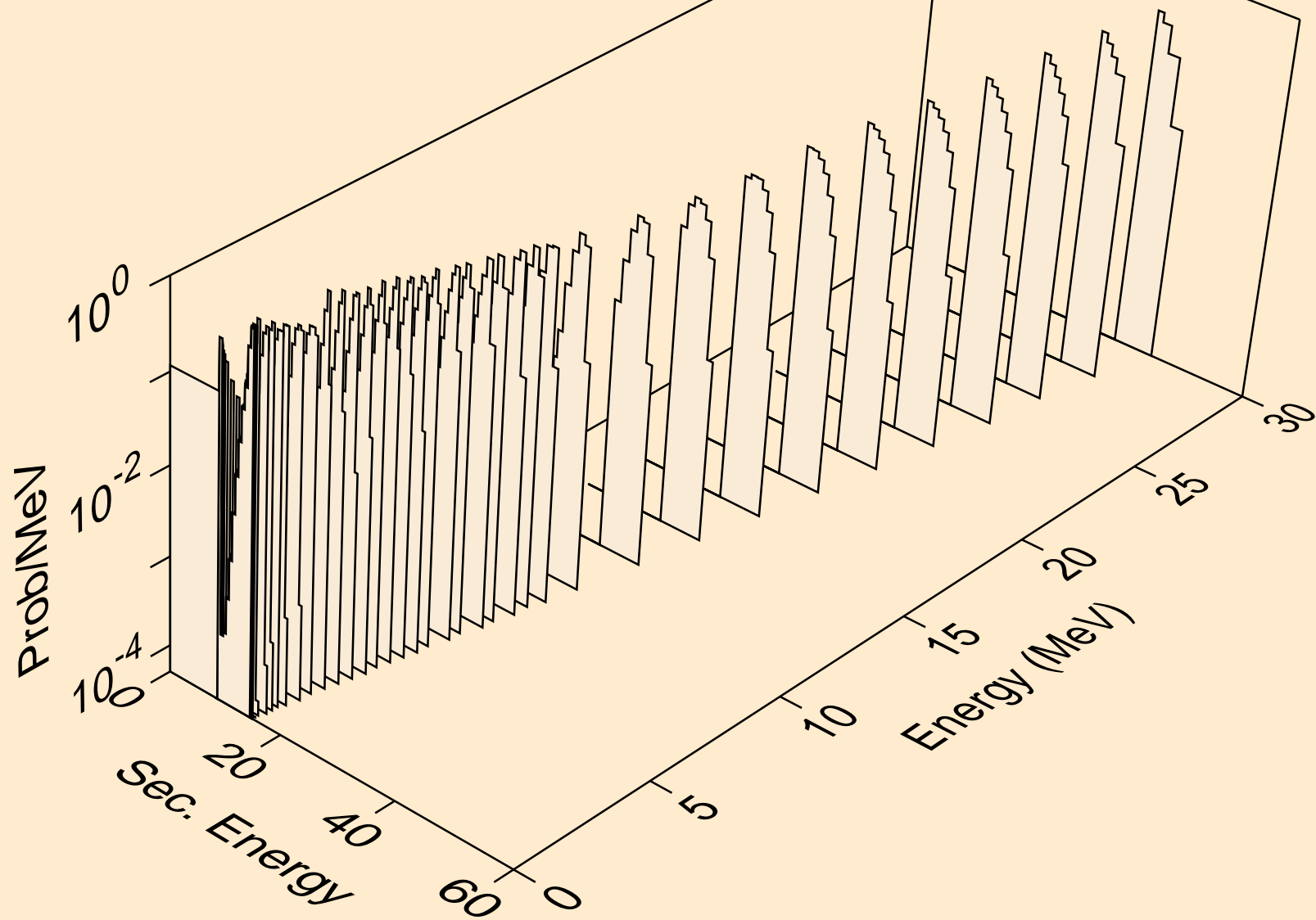
LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)





LR255 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

