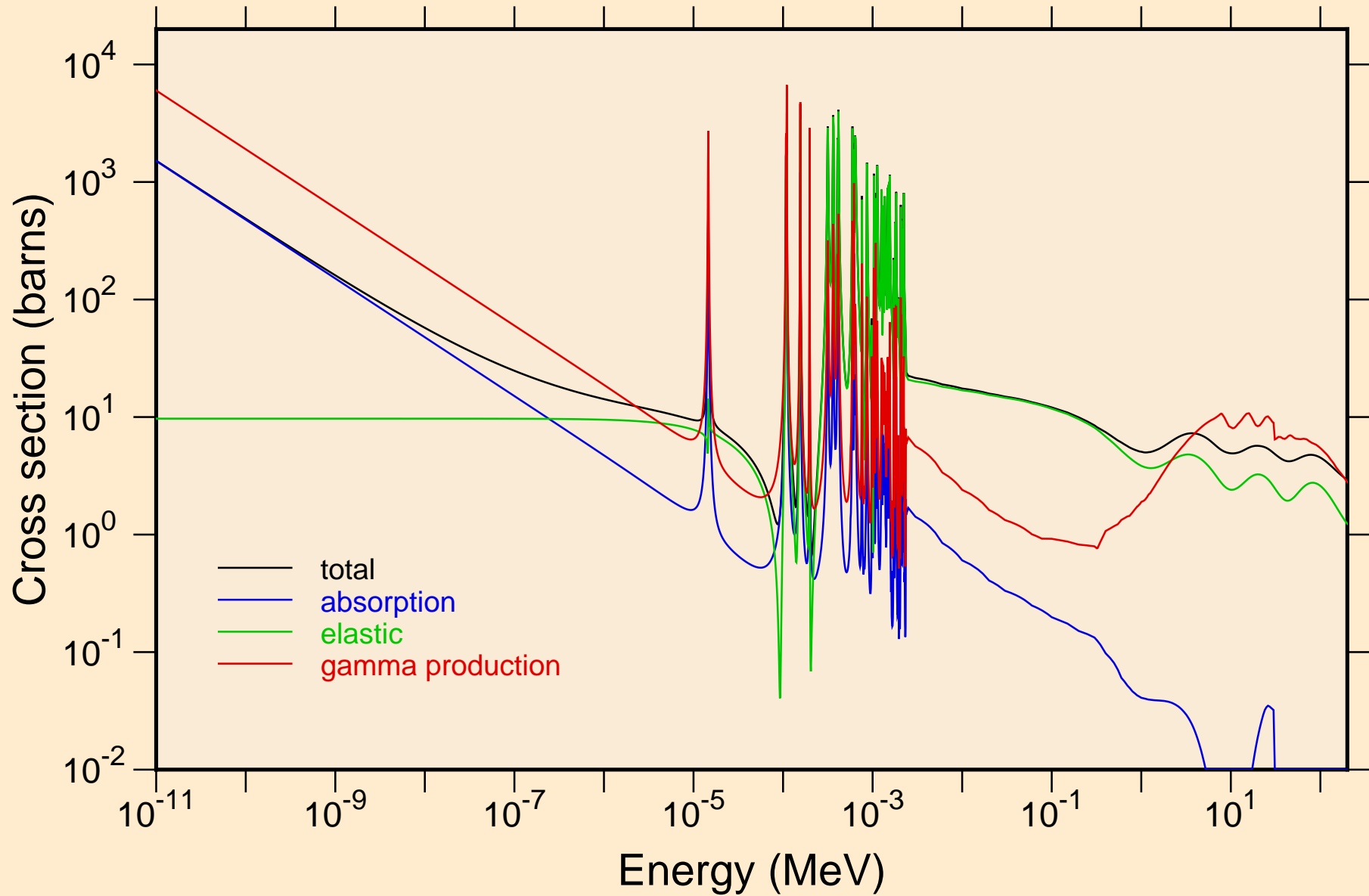
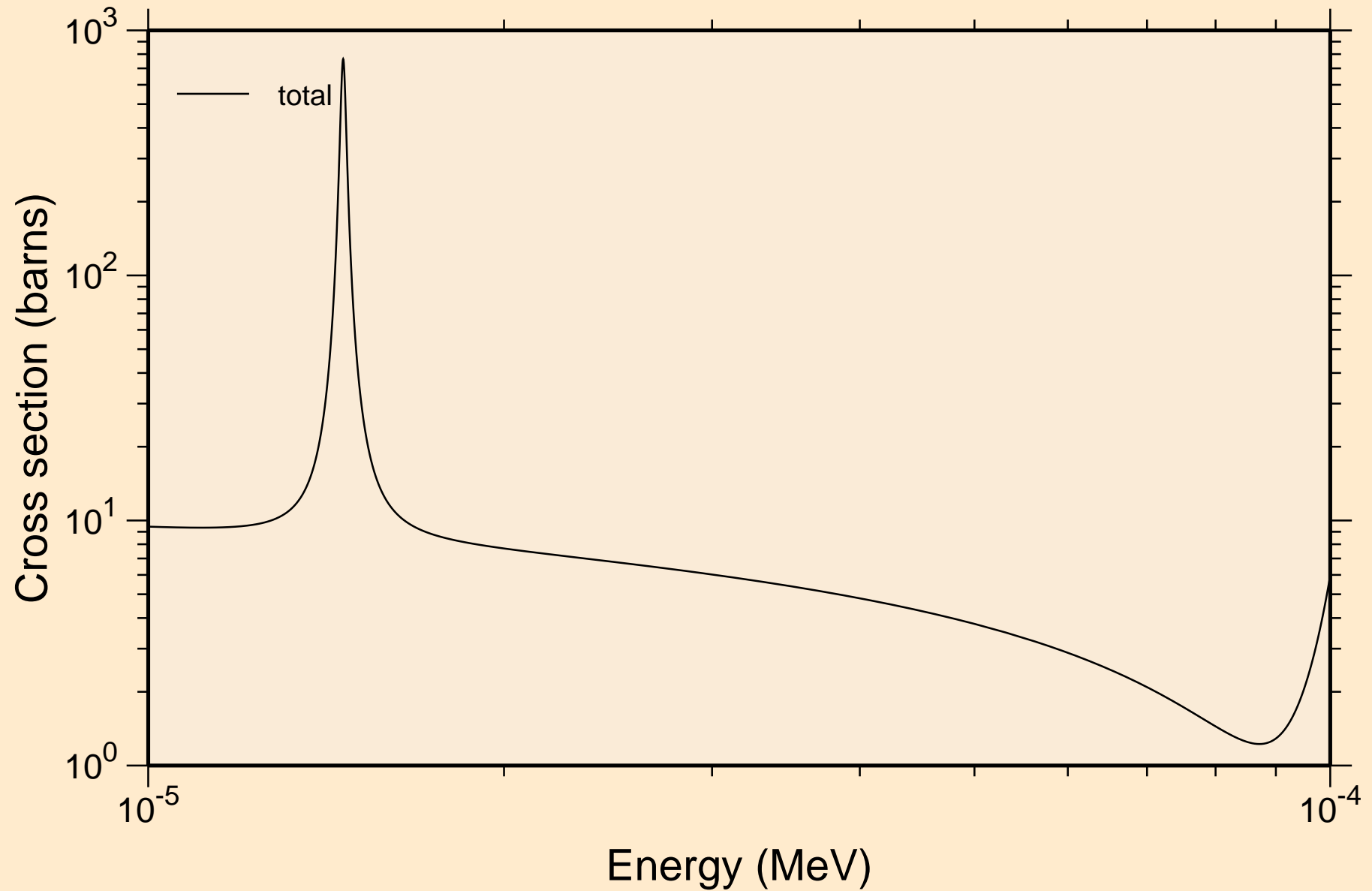


# AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

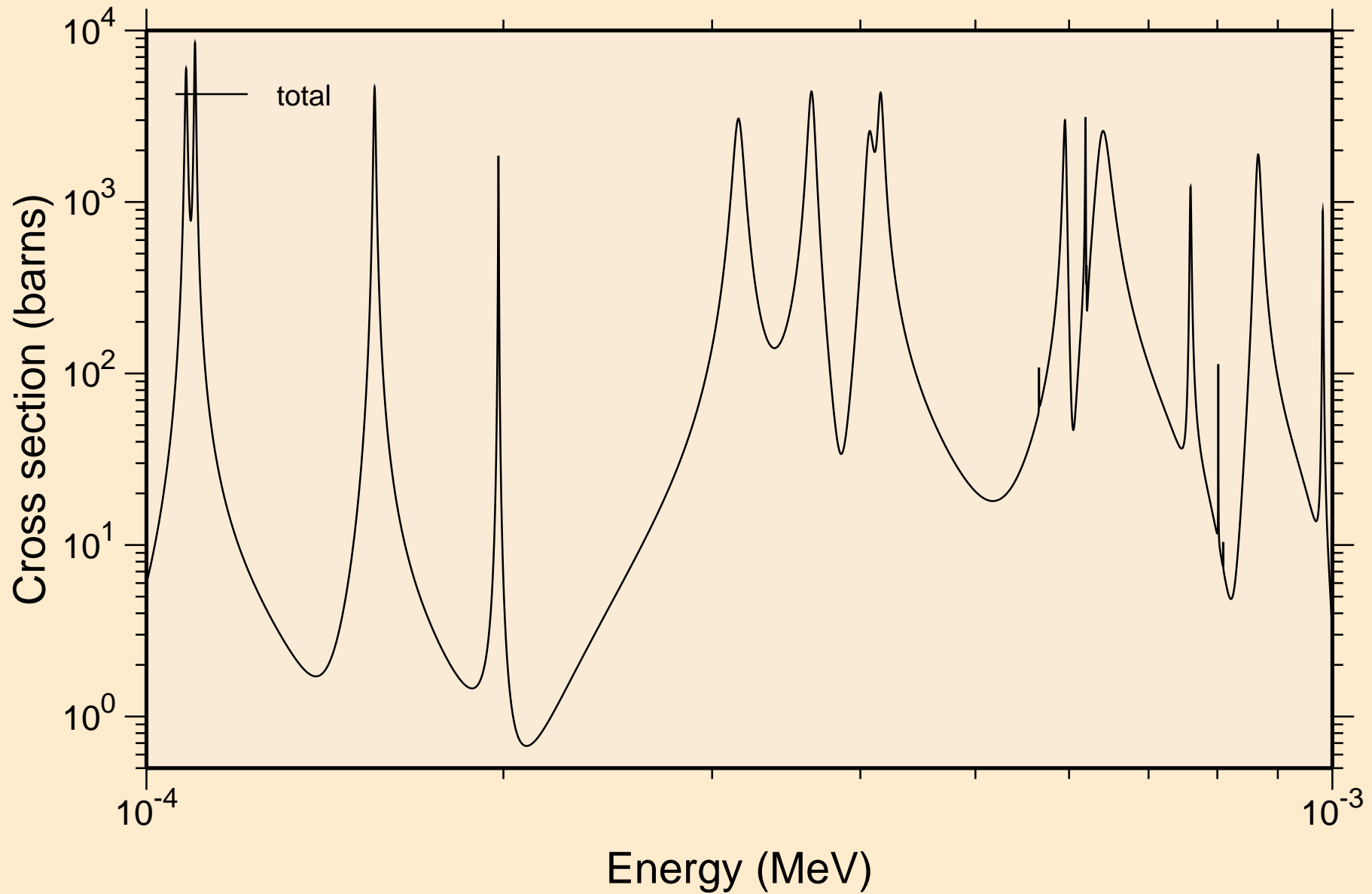
## Principal cross sections



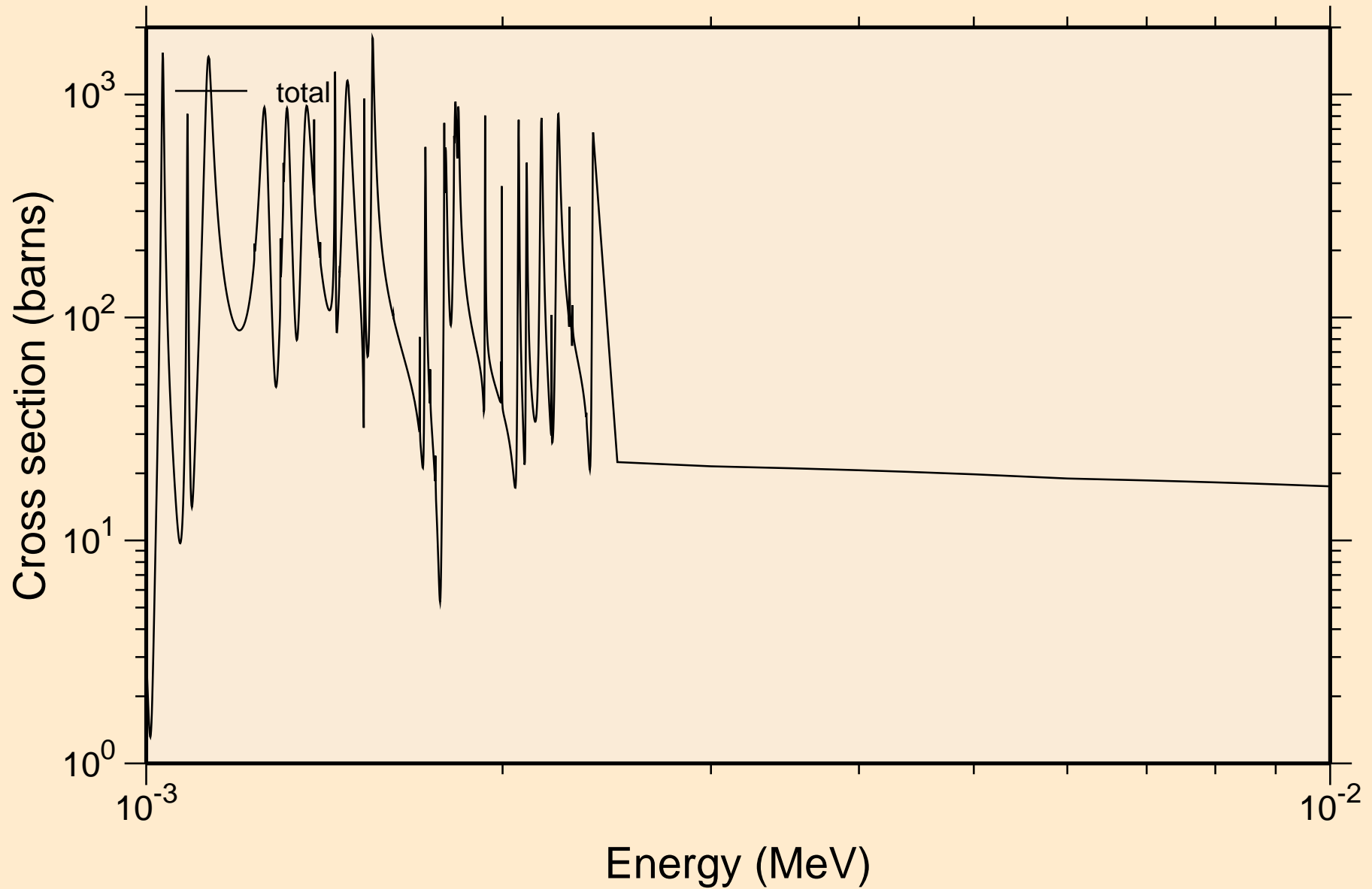
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resonance total cross section



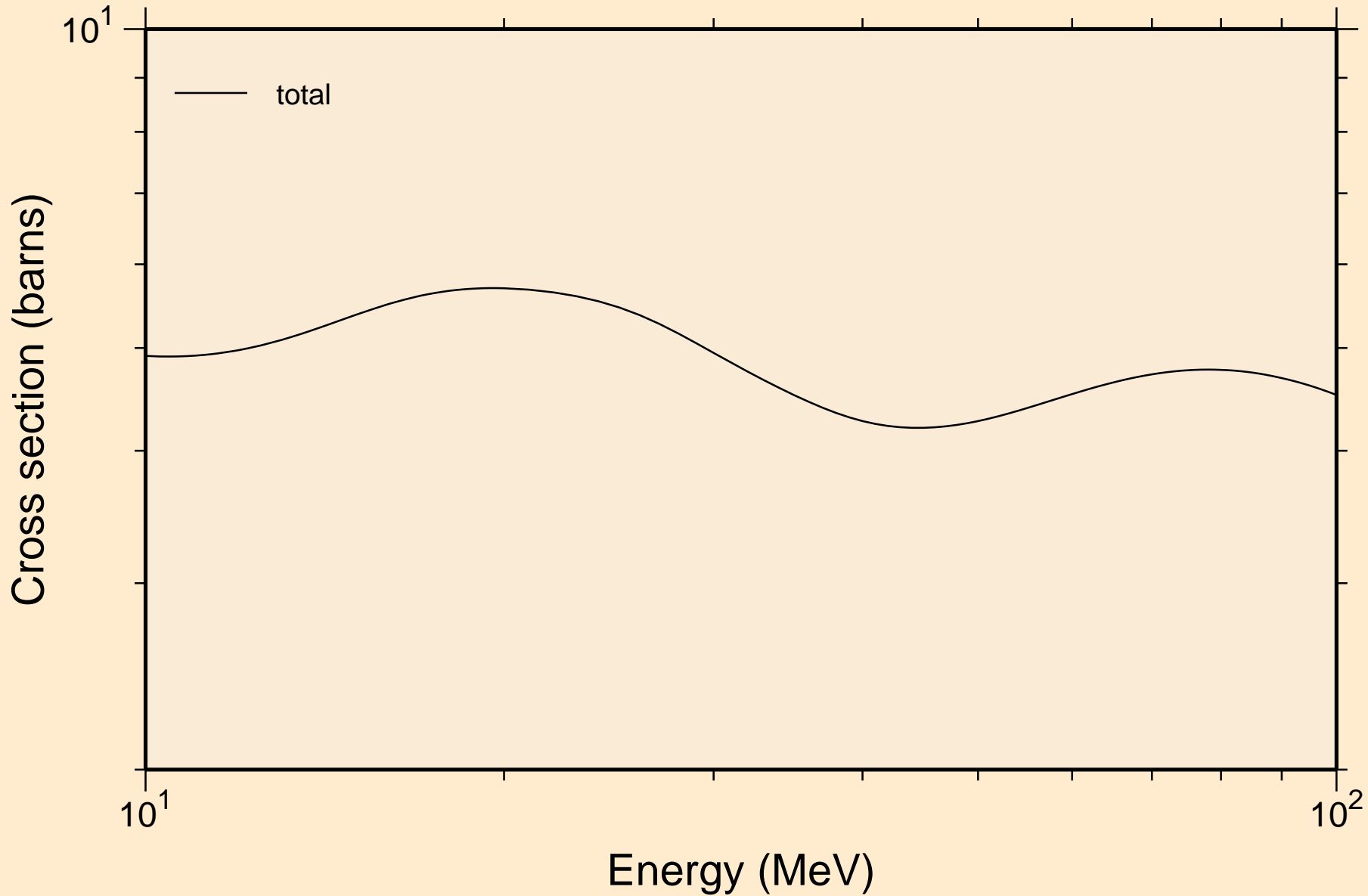
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



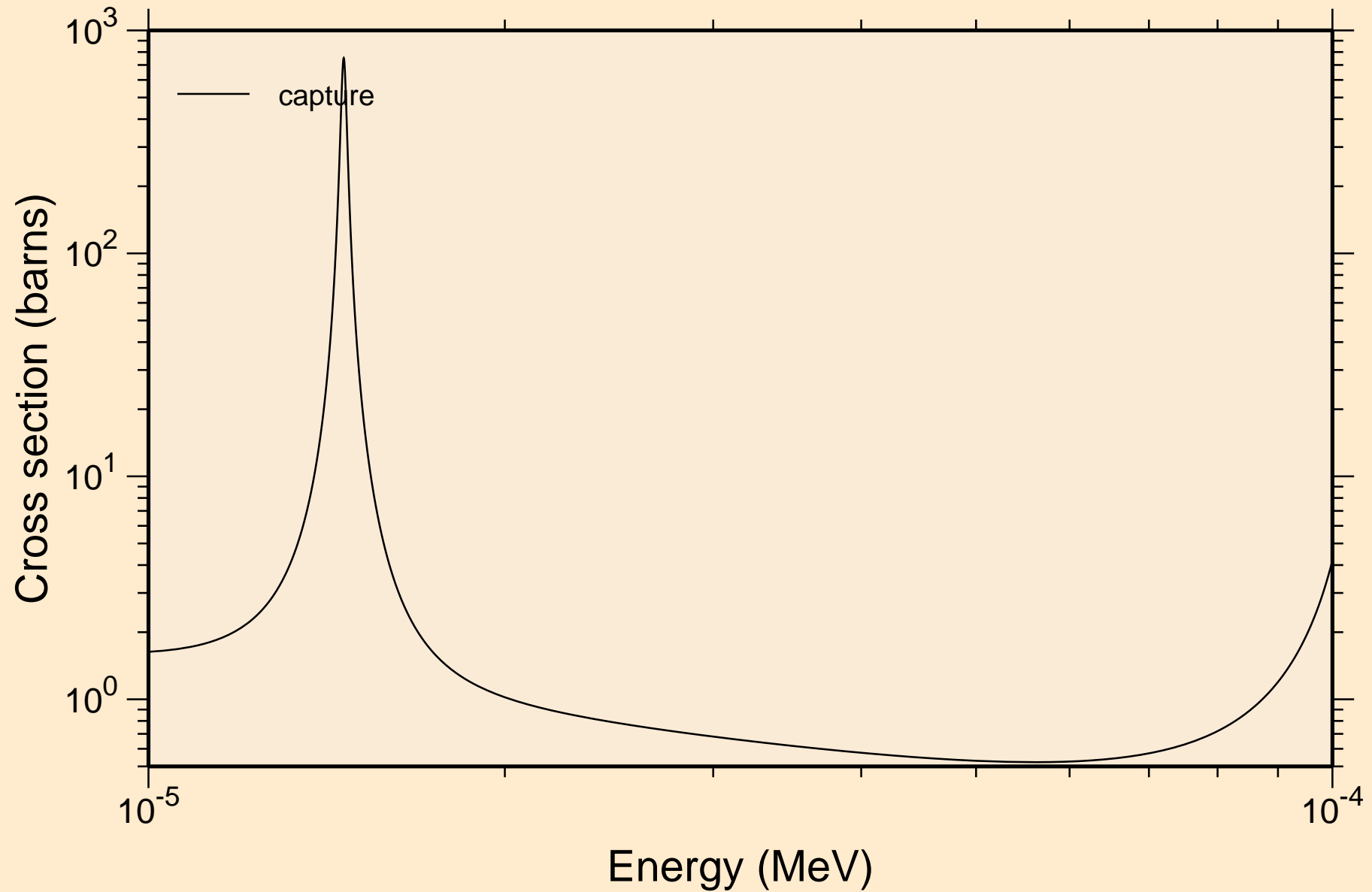
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resonance total cross section



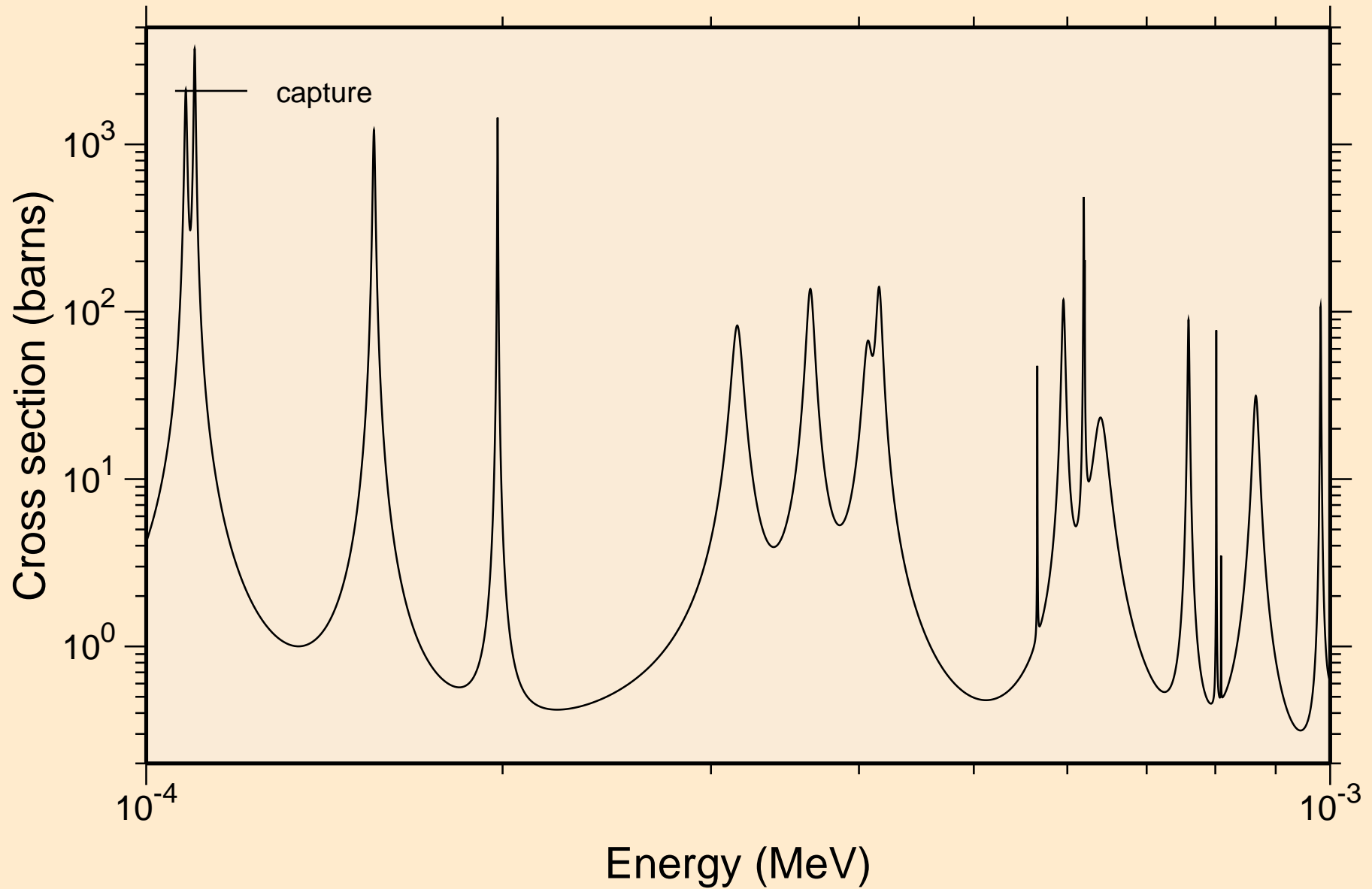
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



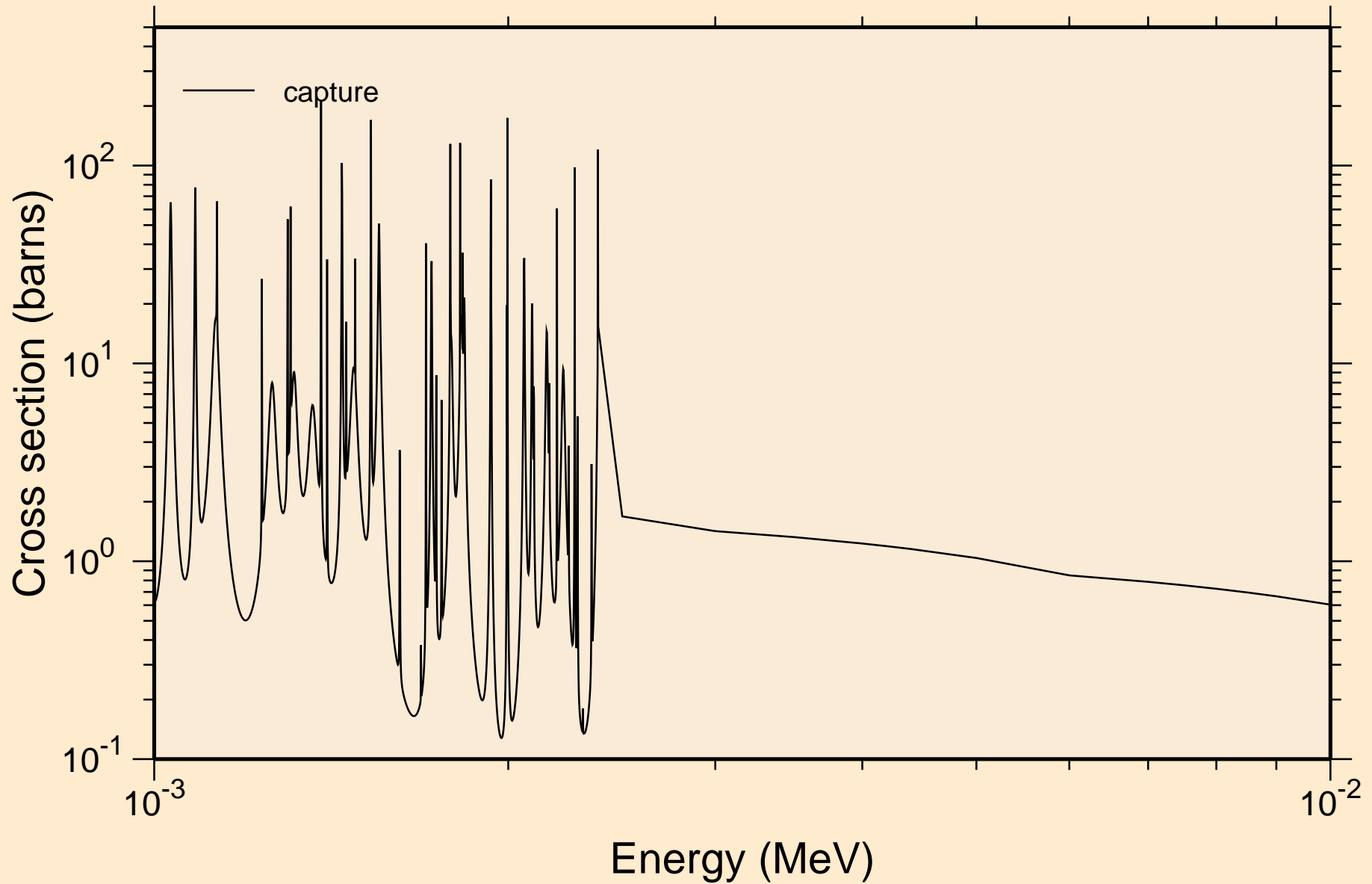
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

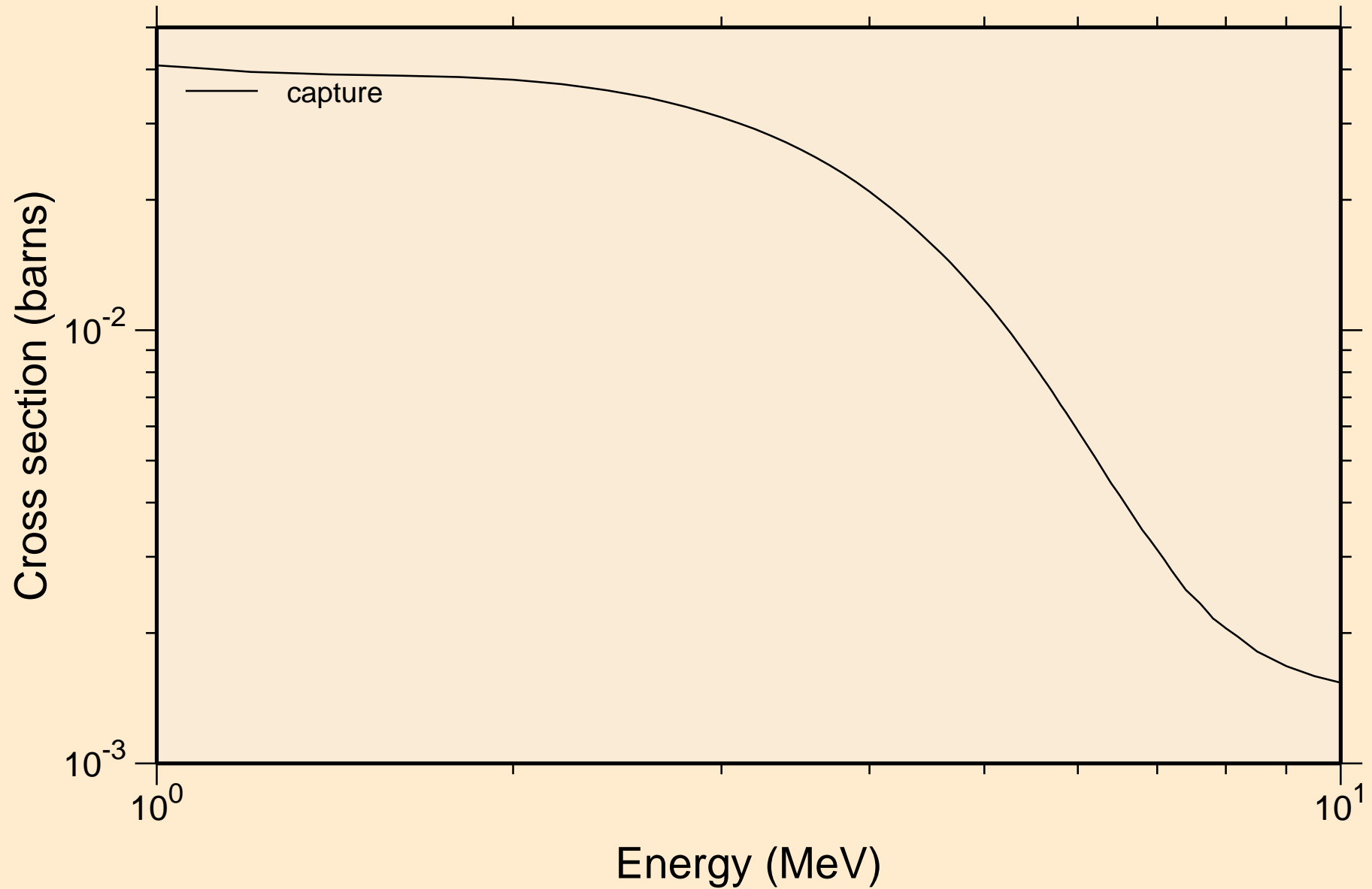


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

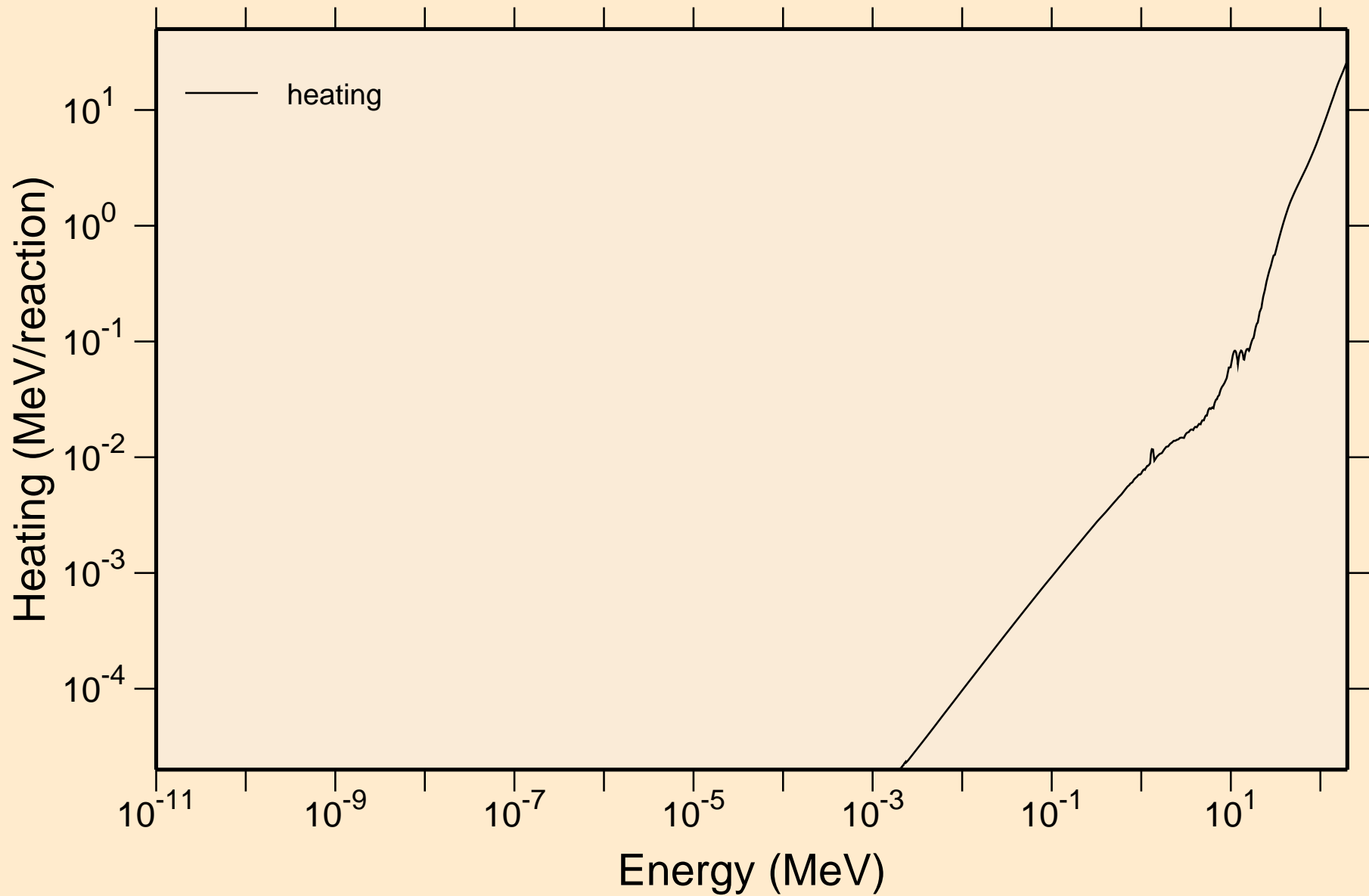




AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

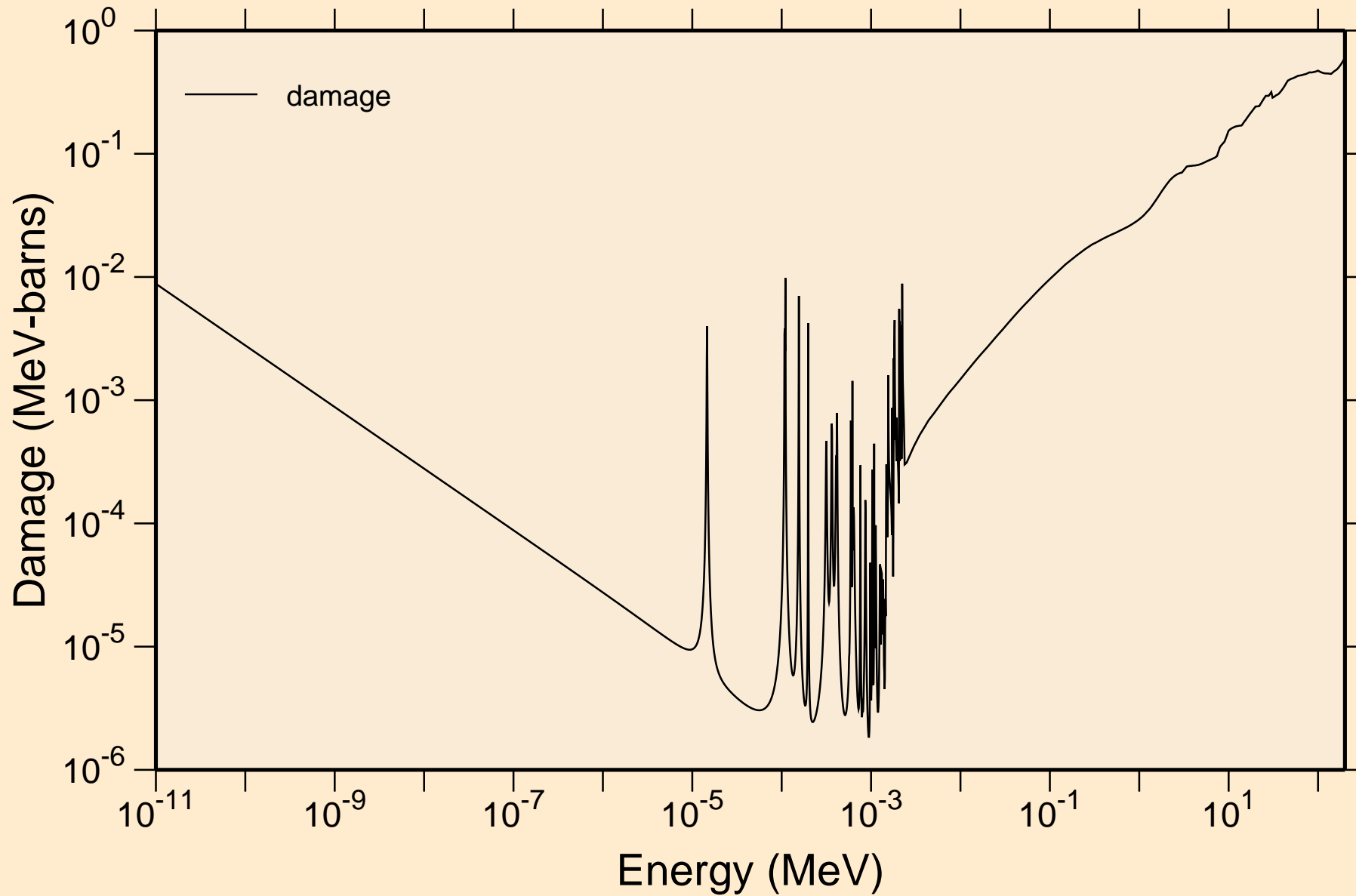


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



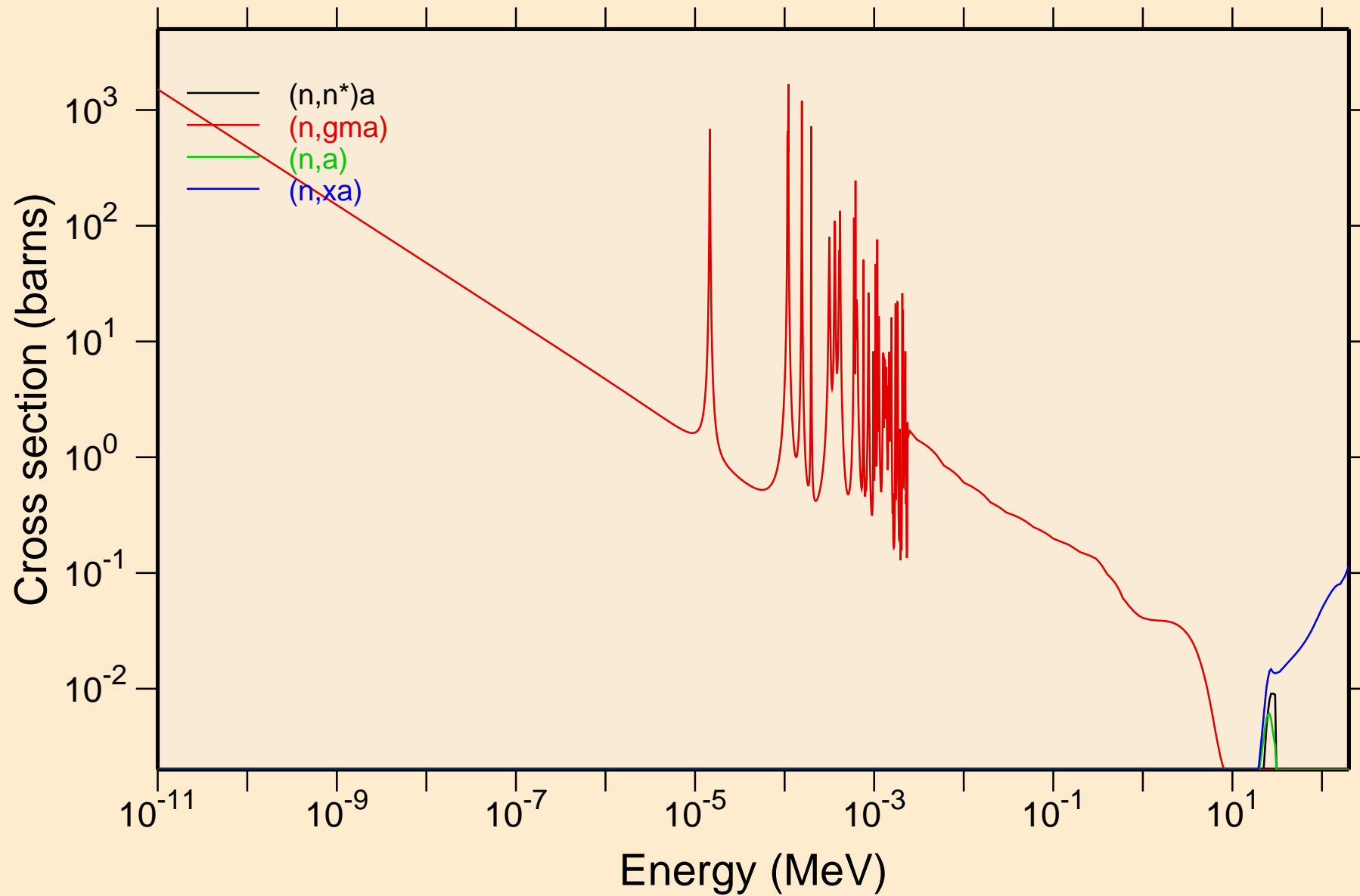
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## Damage



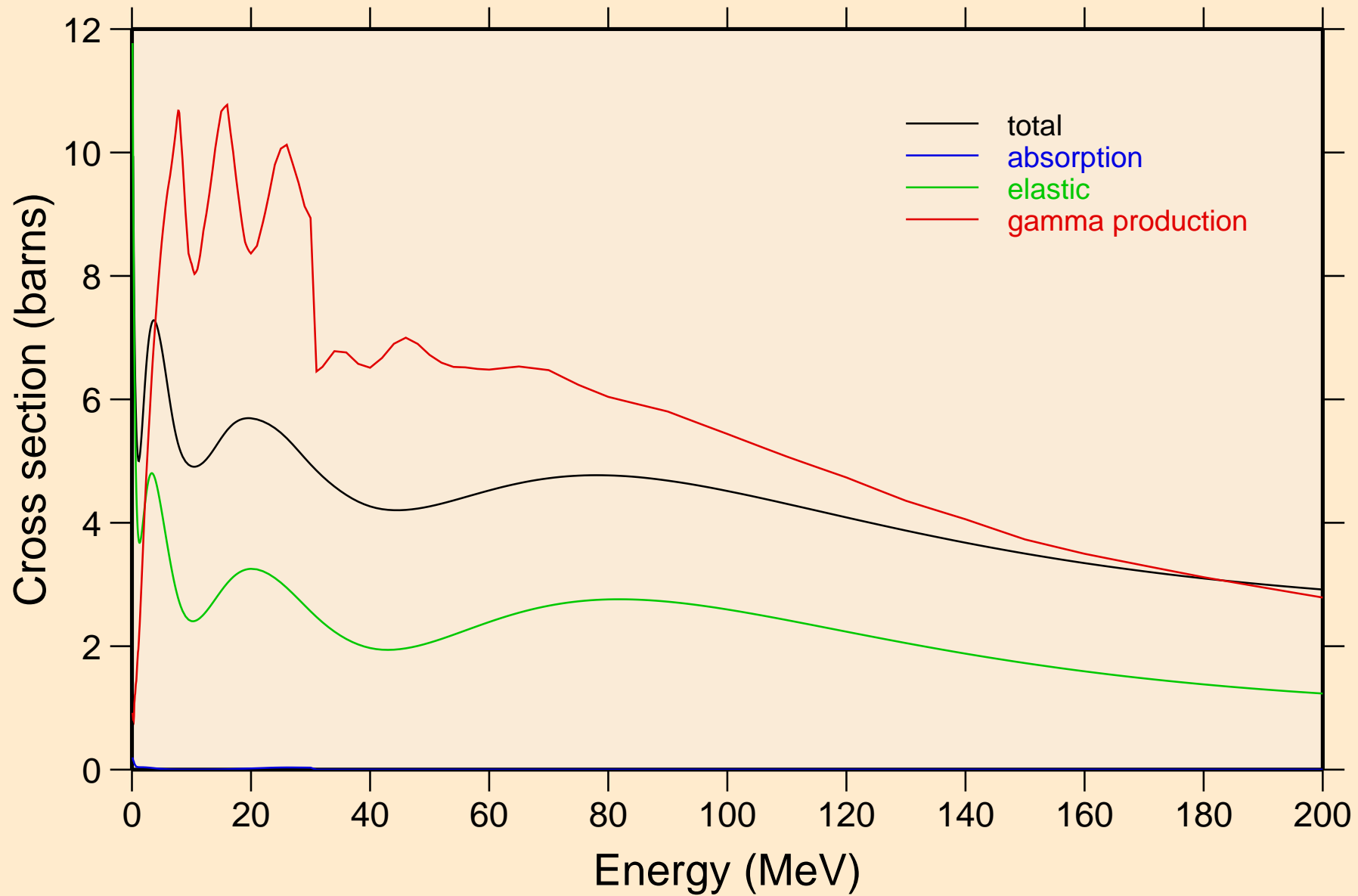
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## Non-threshold reactions



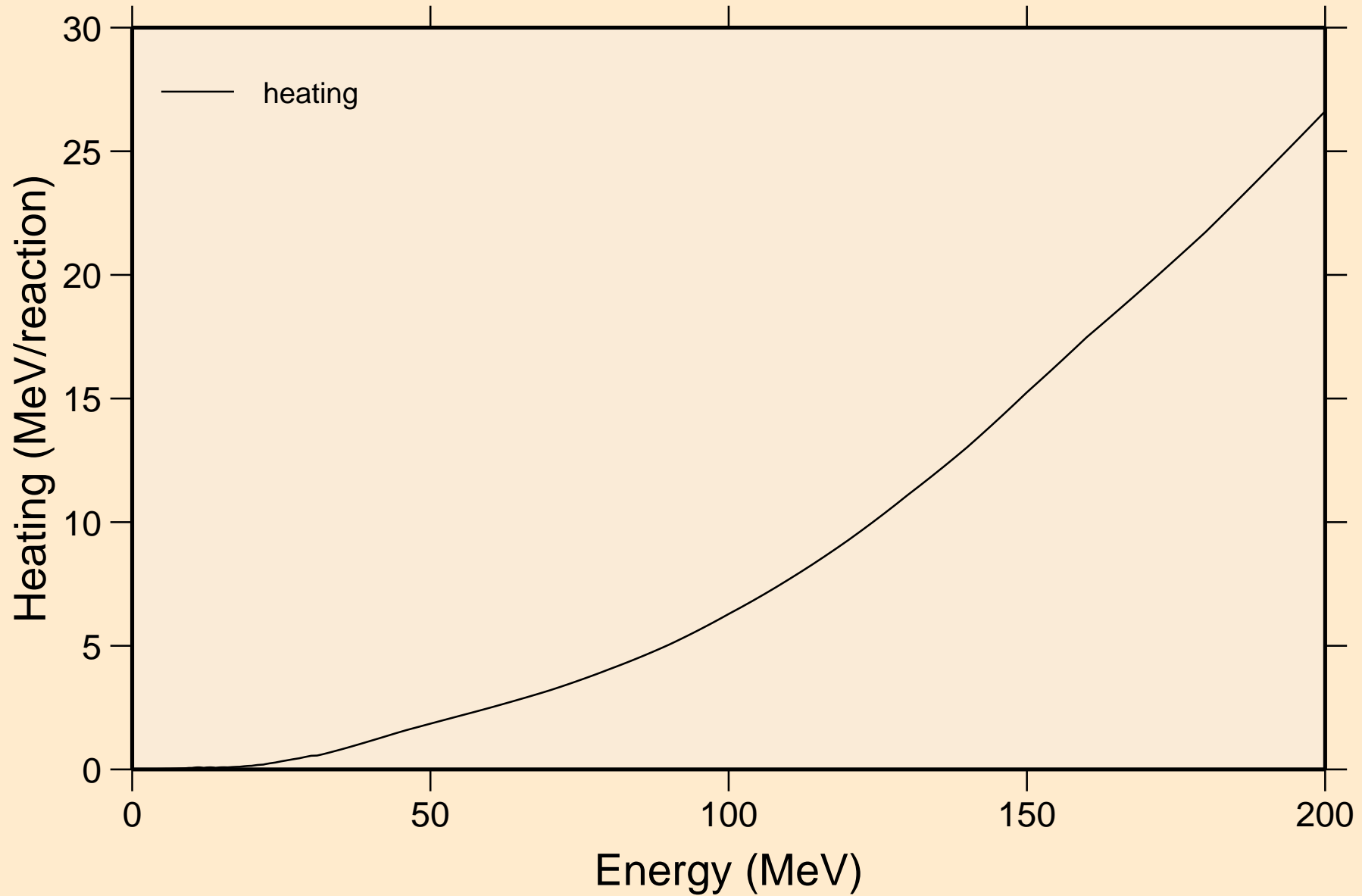
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## Principal cross sections



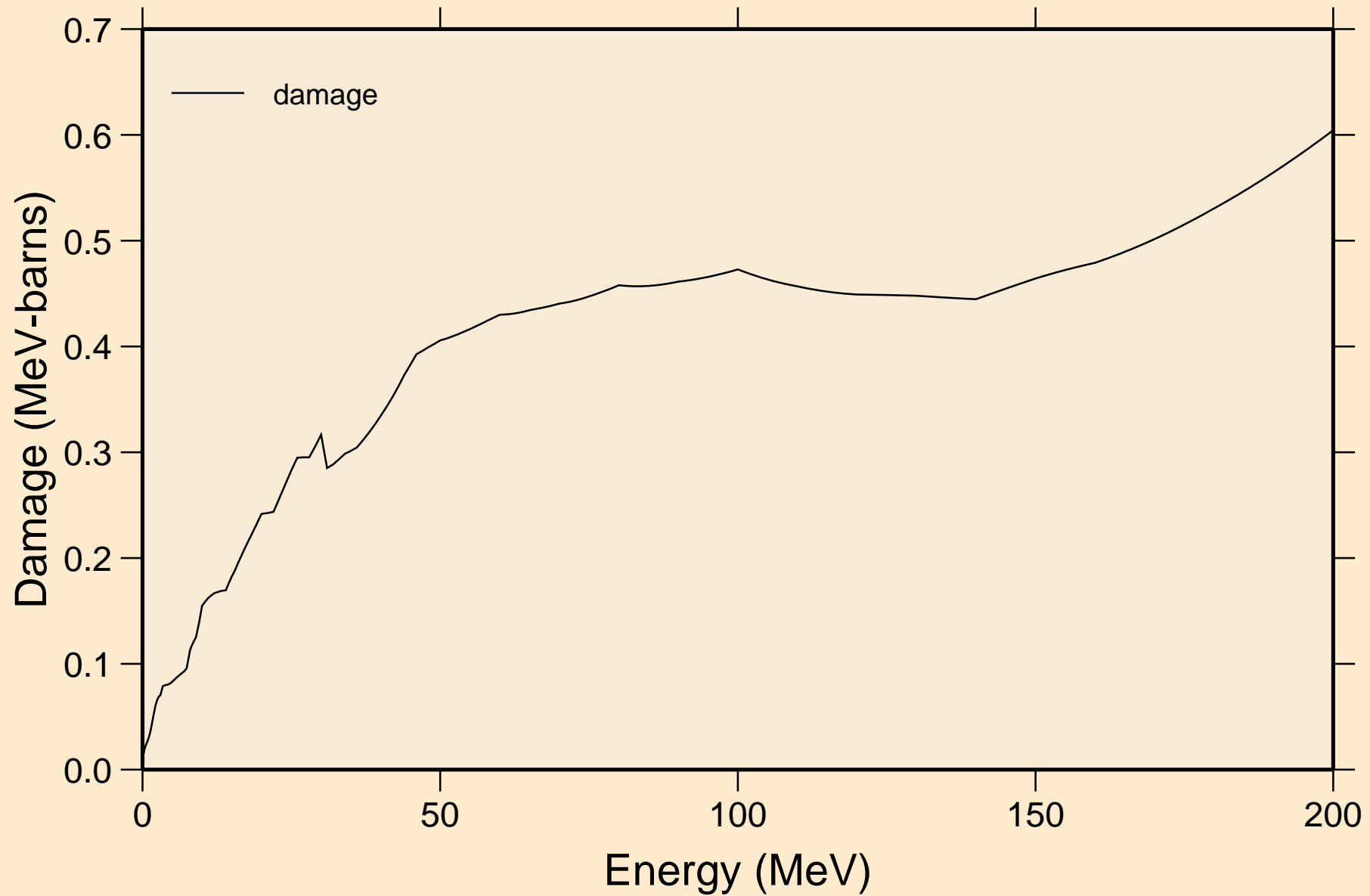
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## Heating

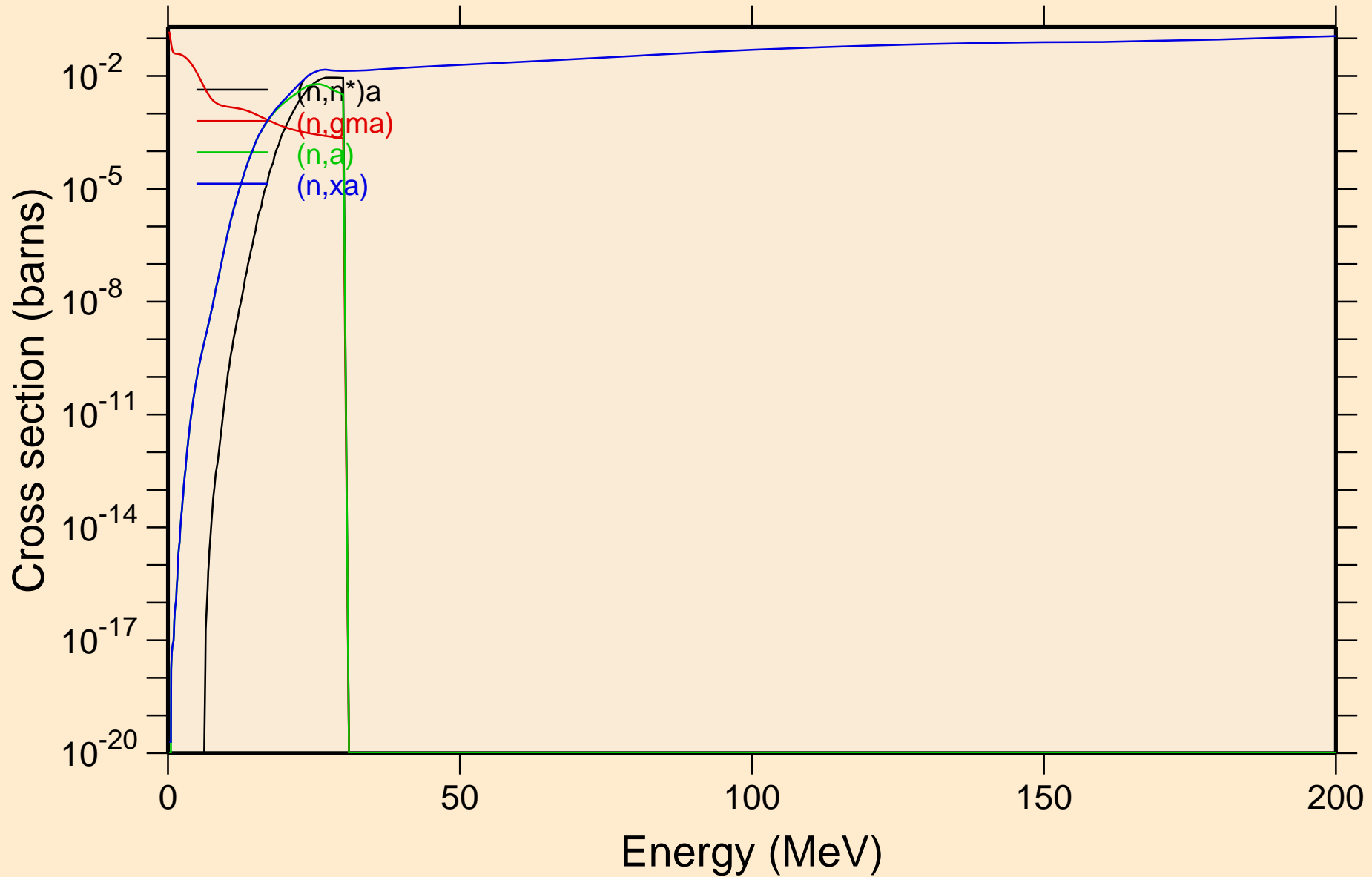


# AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

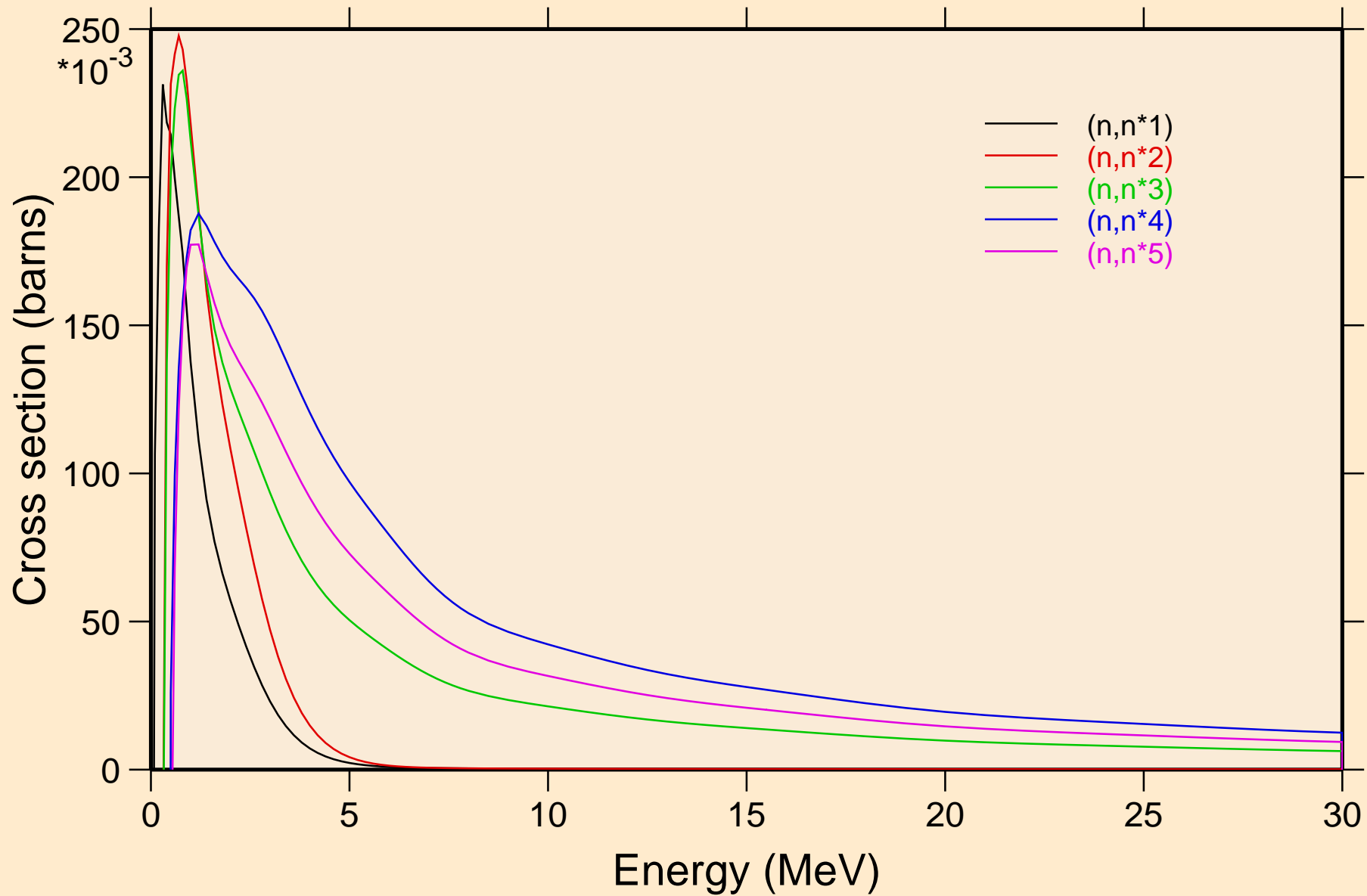


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

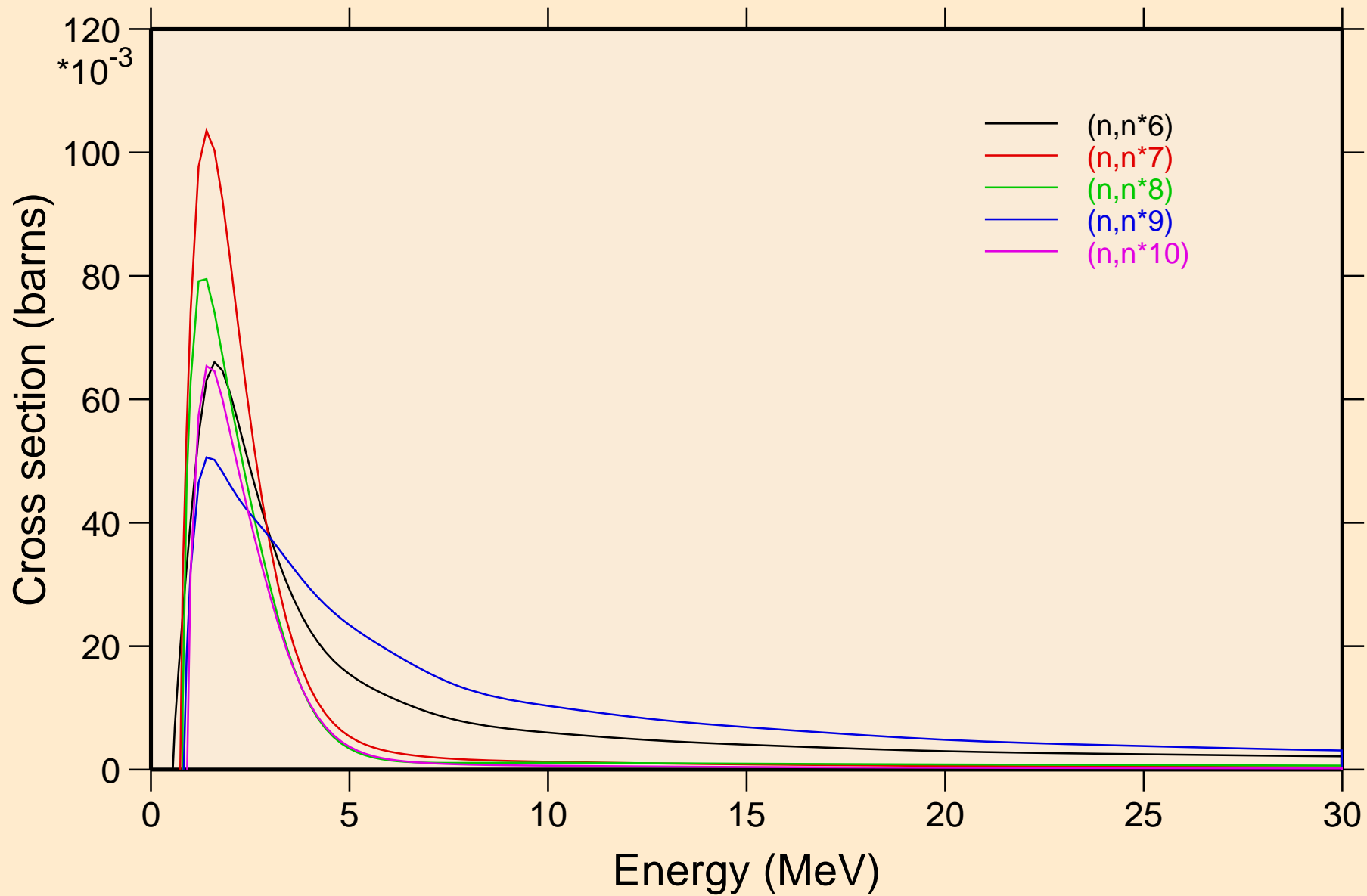




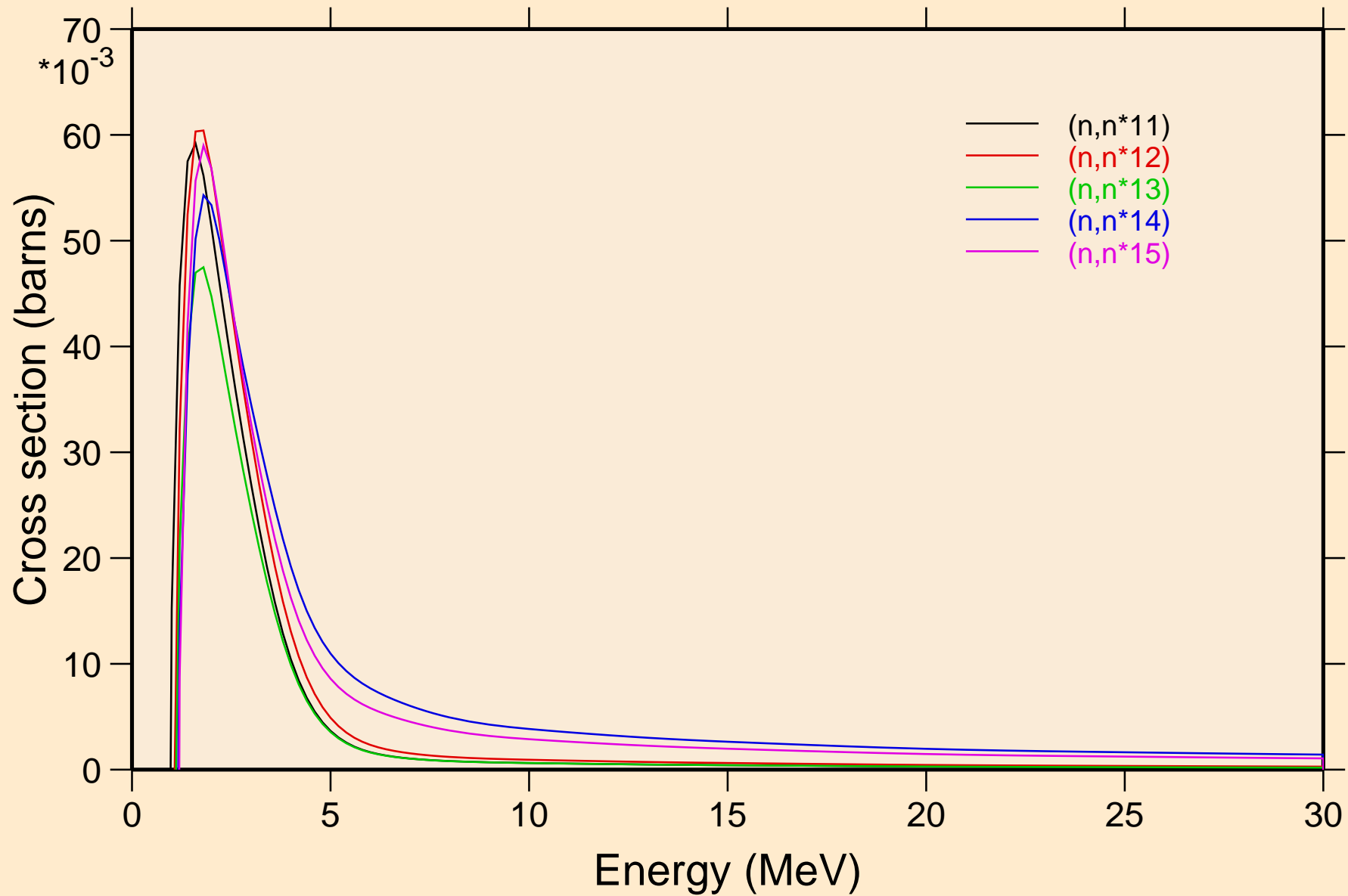
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Inelastic levels



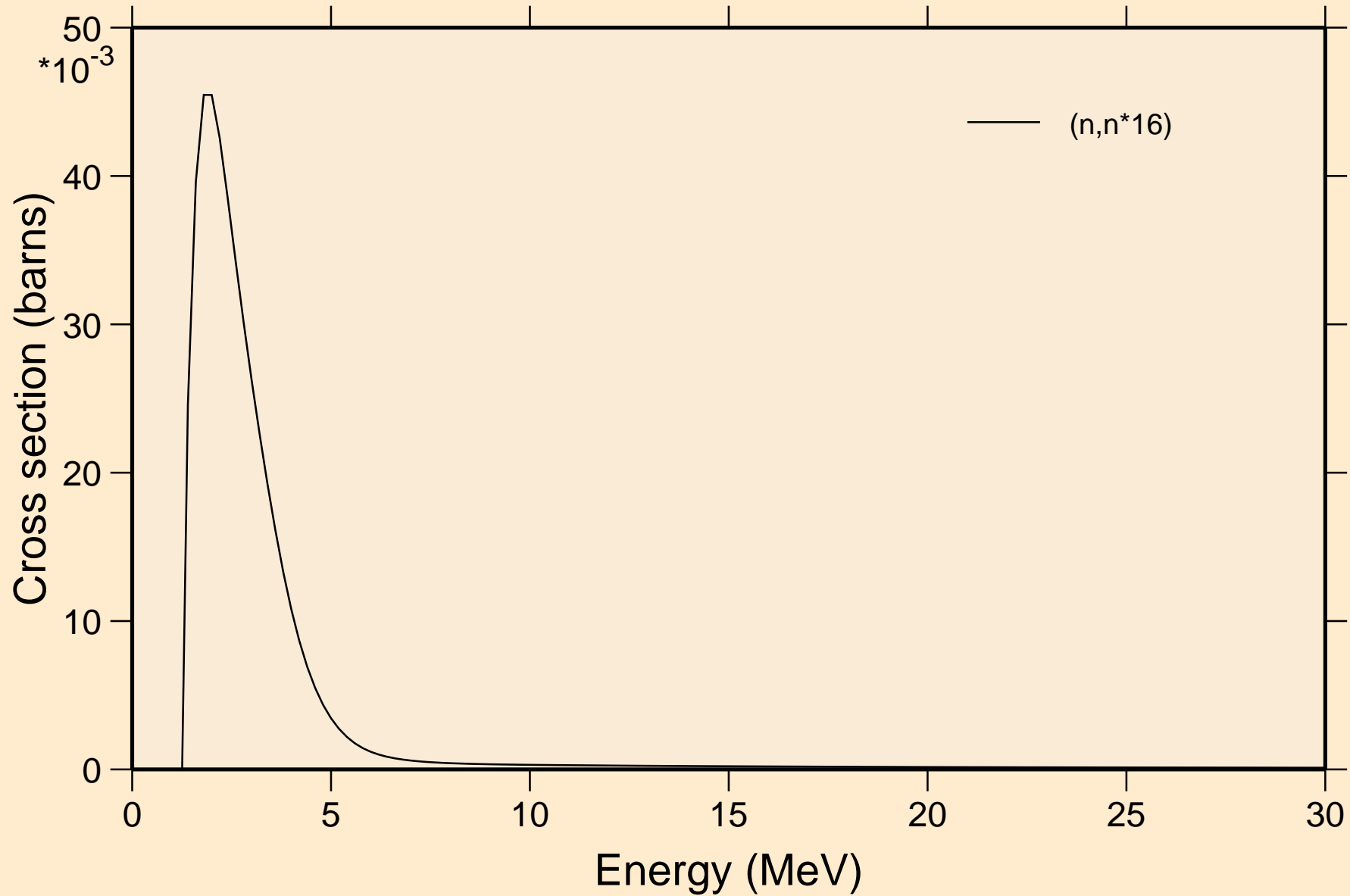
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

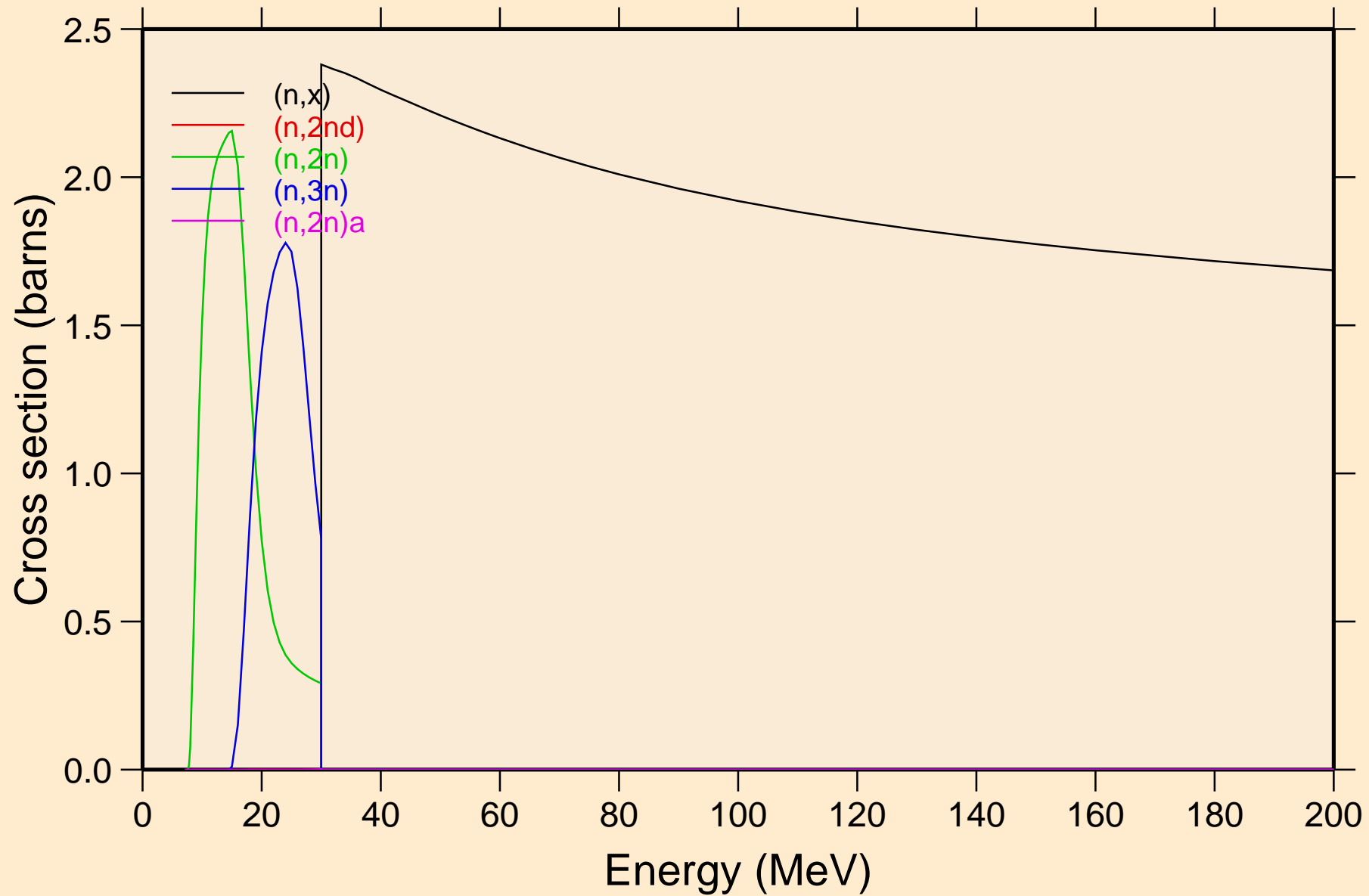


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

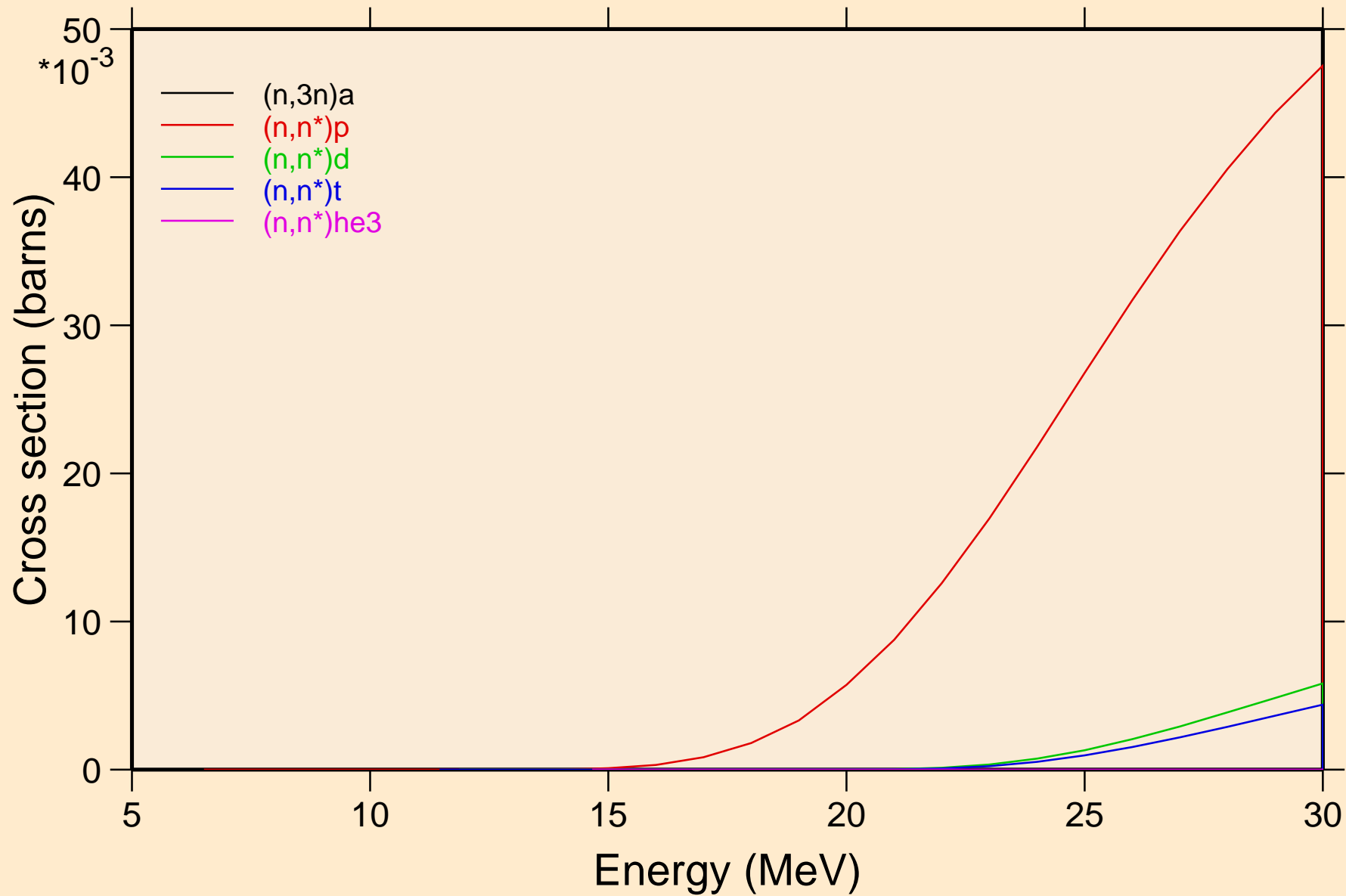


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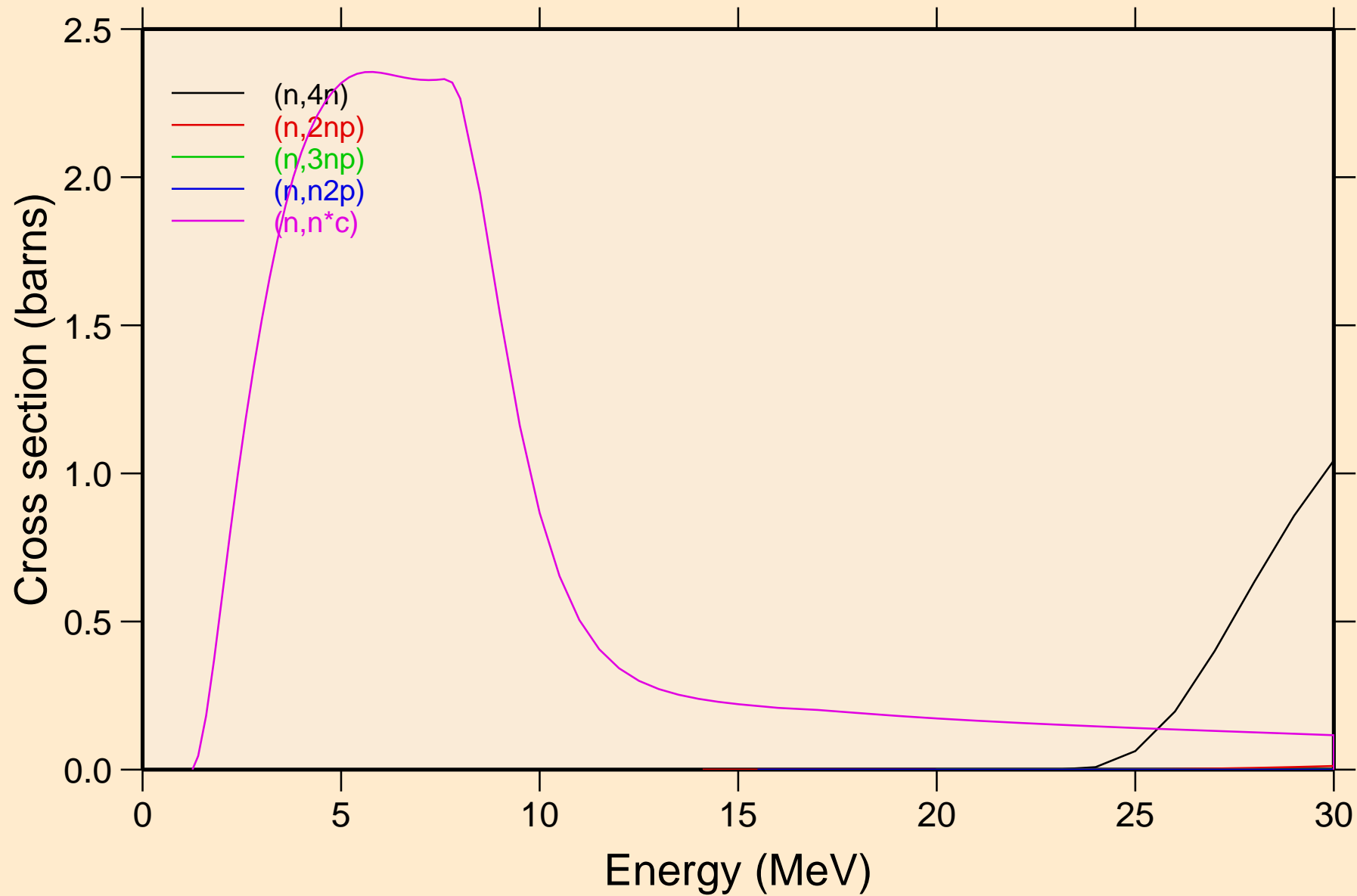
## Threshold reactions



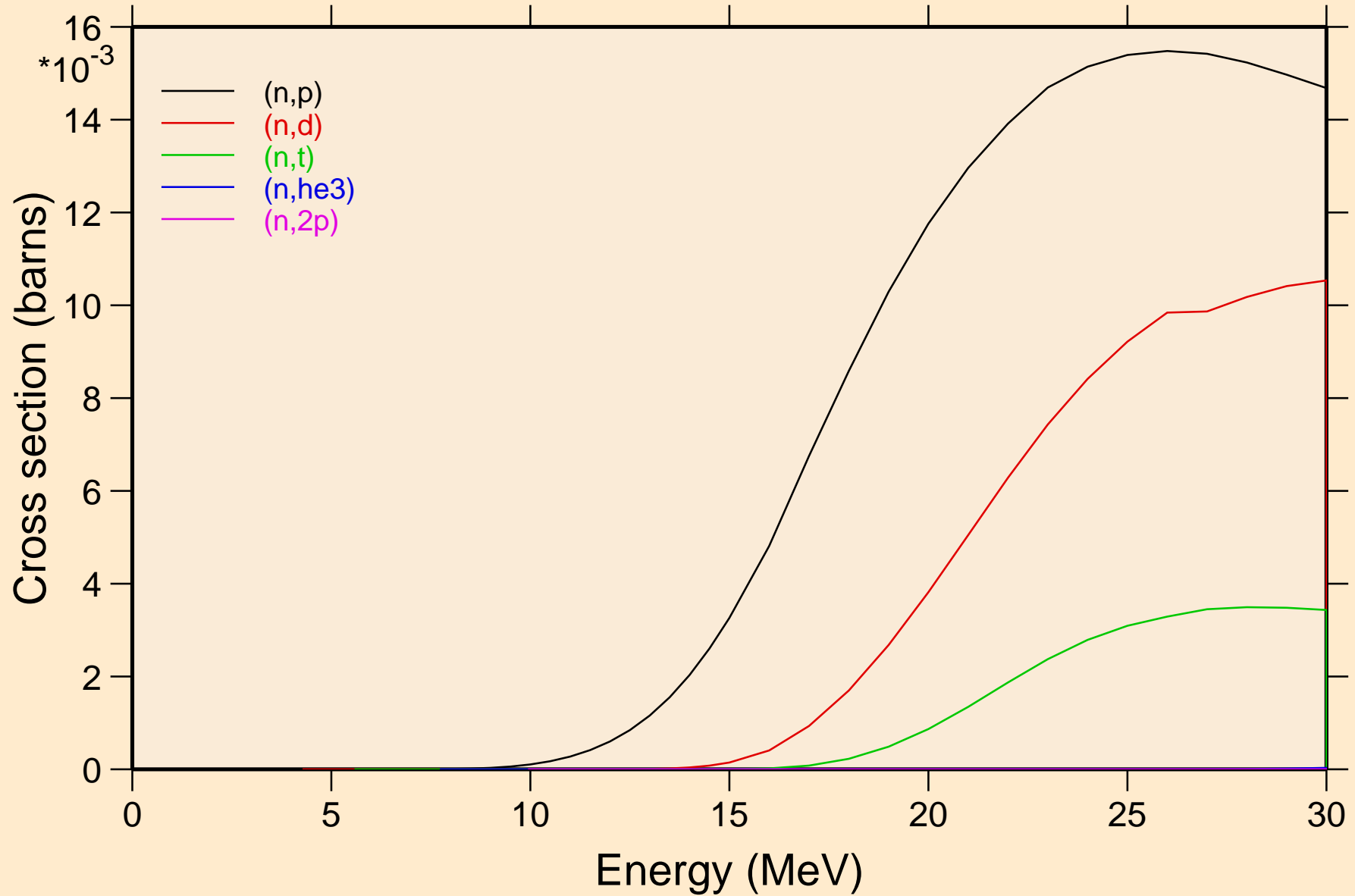
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Threshold reactions



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



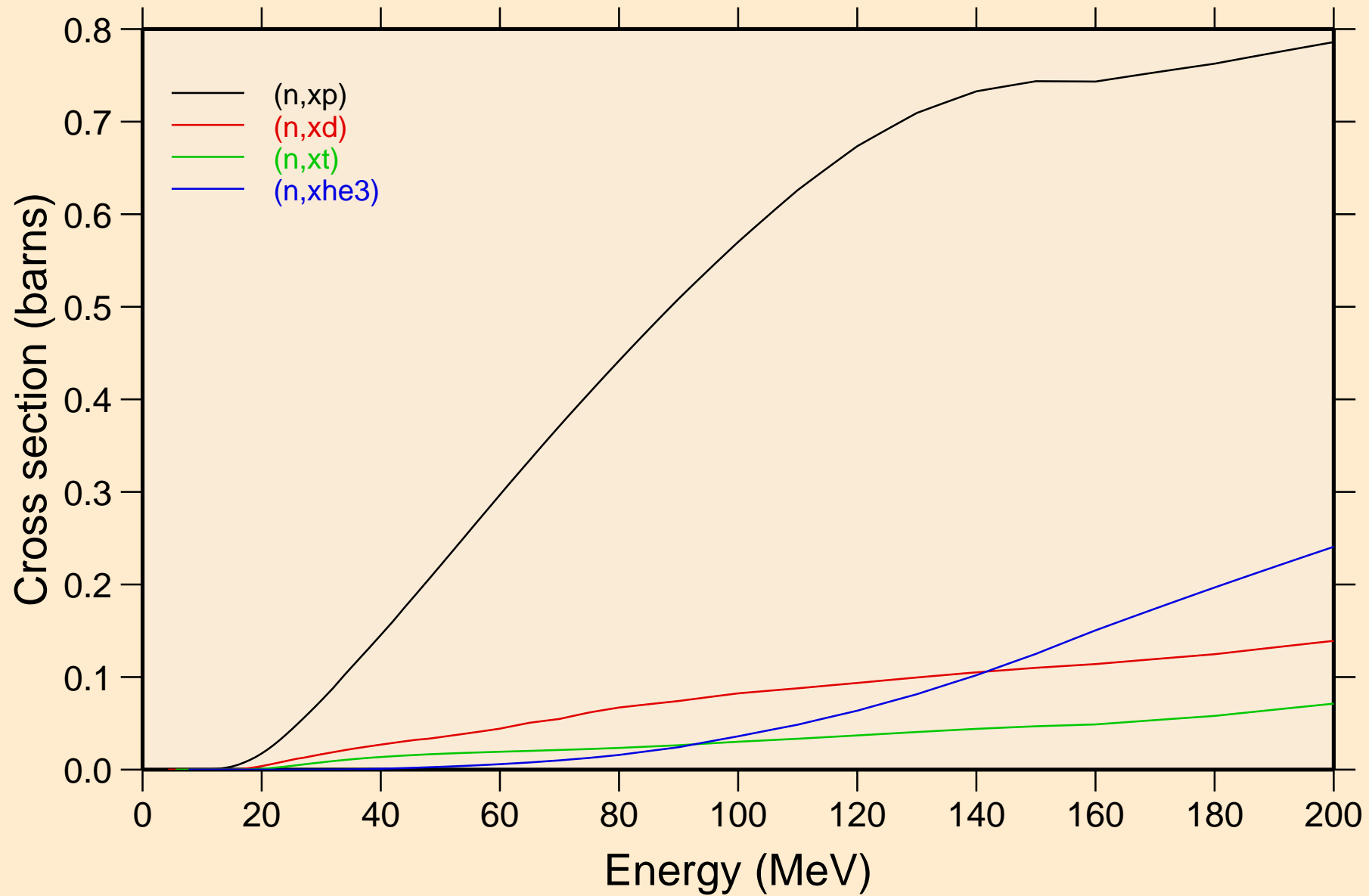
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Threshold reactions



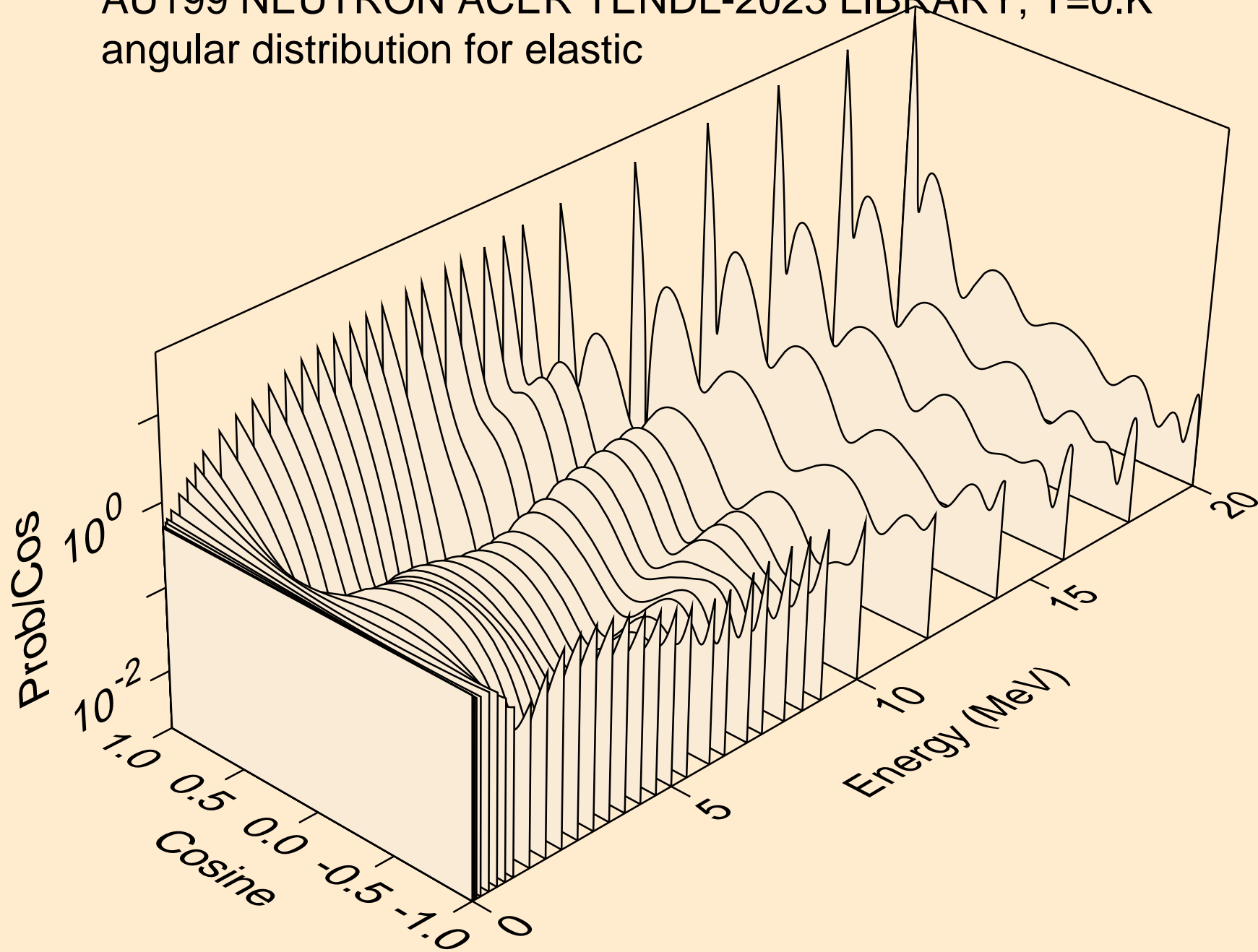


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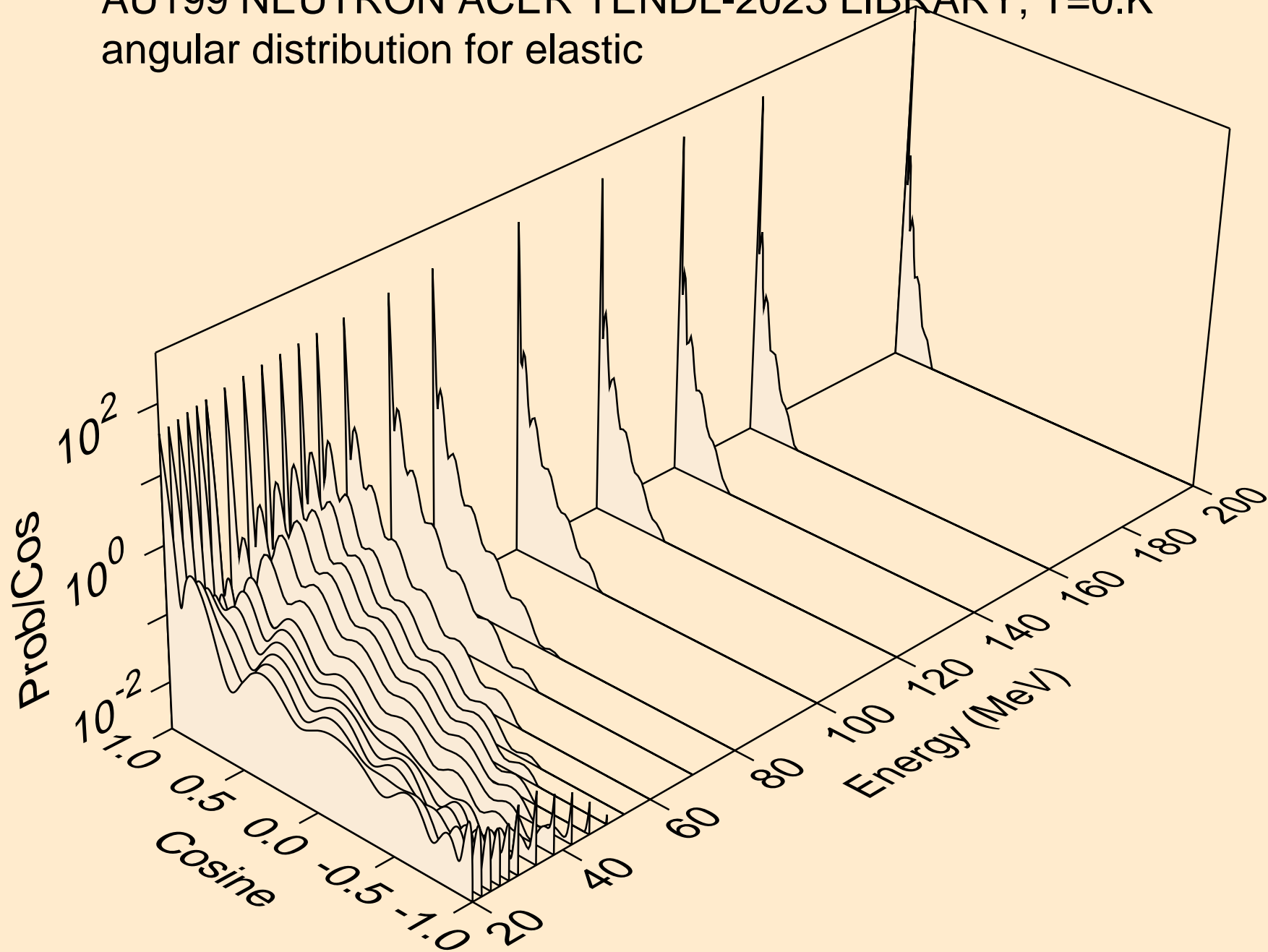
## Threshold reactions



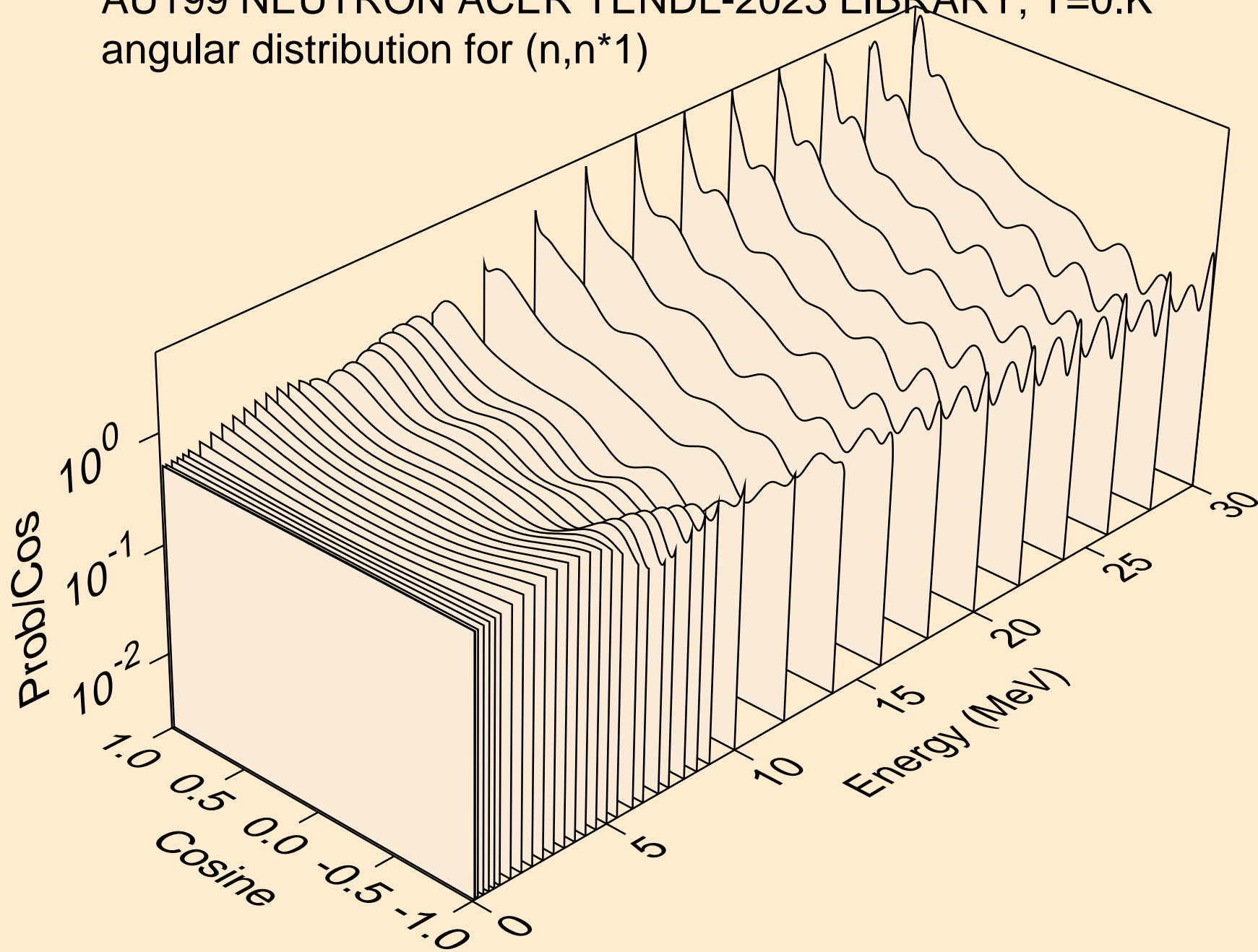
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angular distribution for elastic



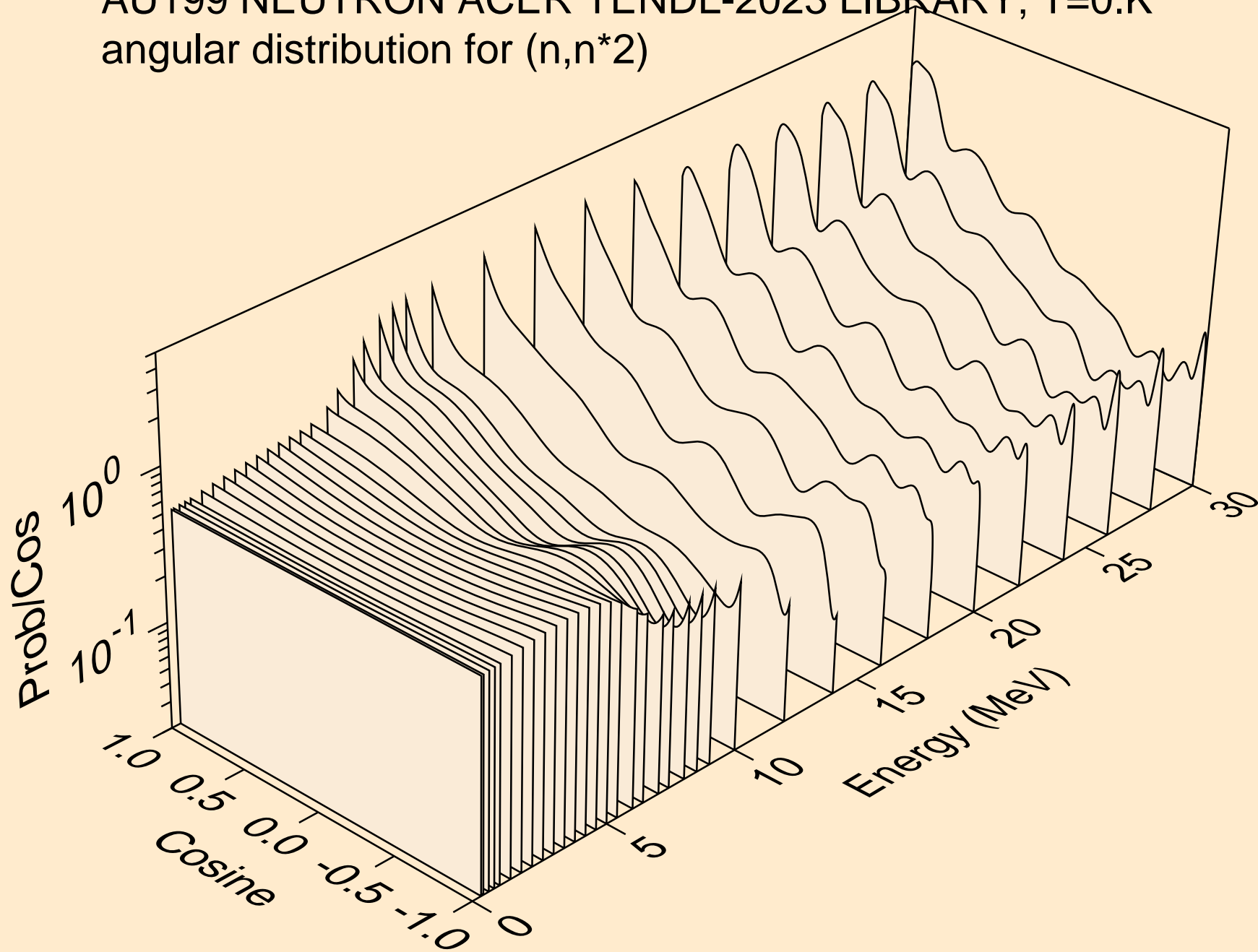
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angular distribution for elastic



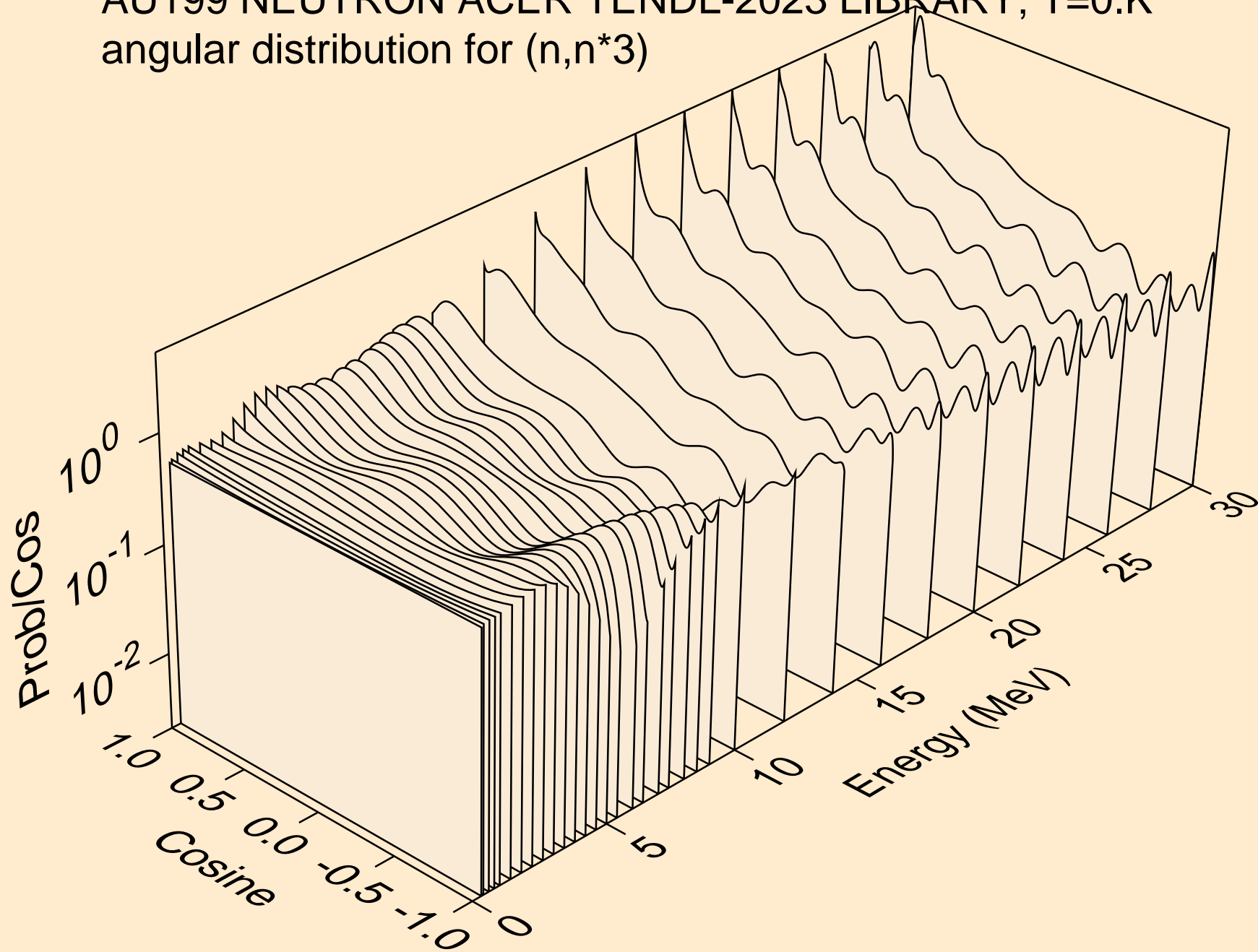
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angular distribution for (n,n\*1)



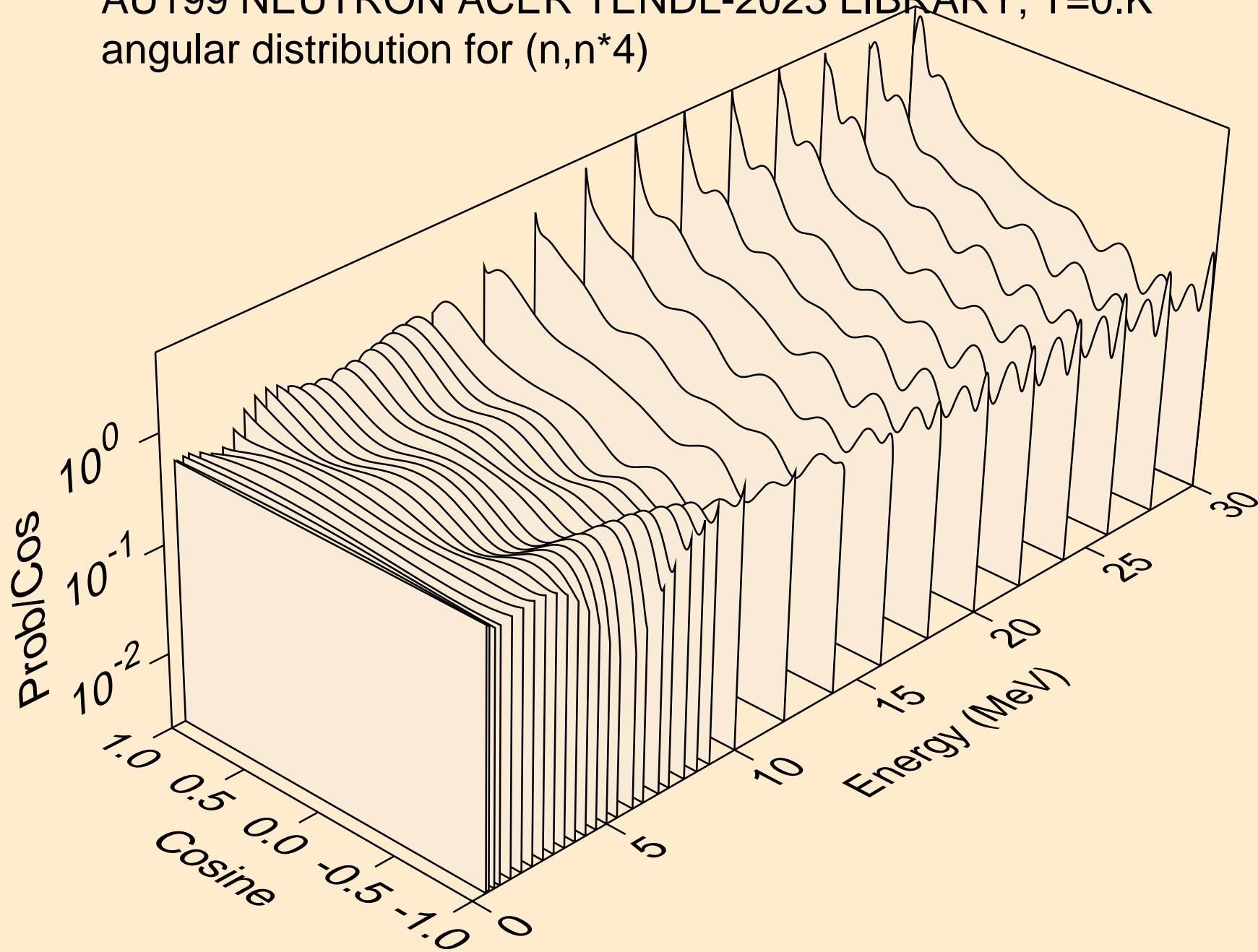
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angular distribution for (n,n\*2)



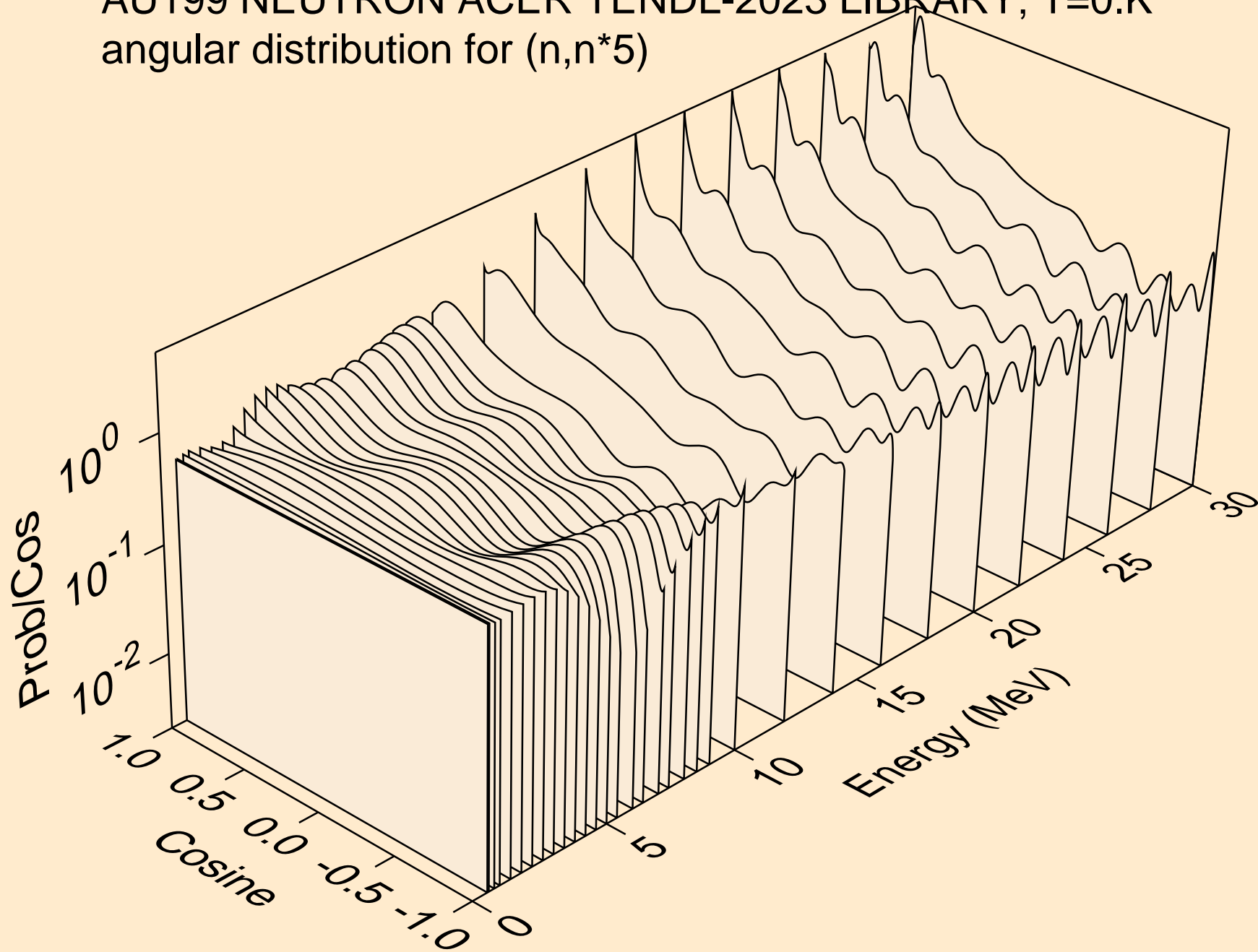
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

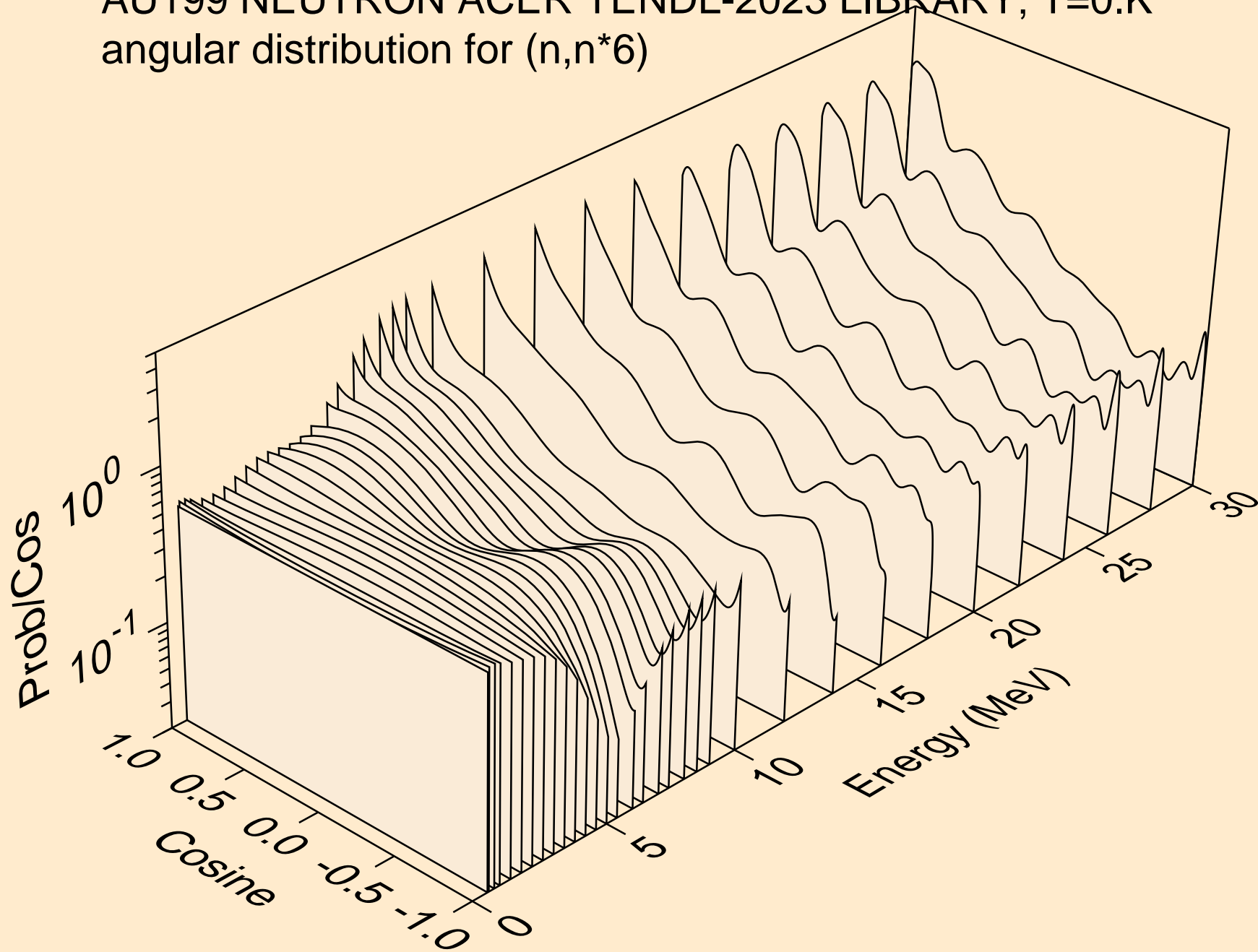


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

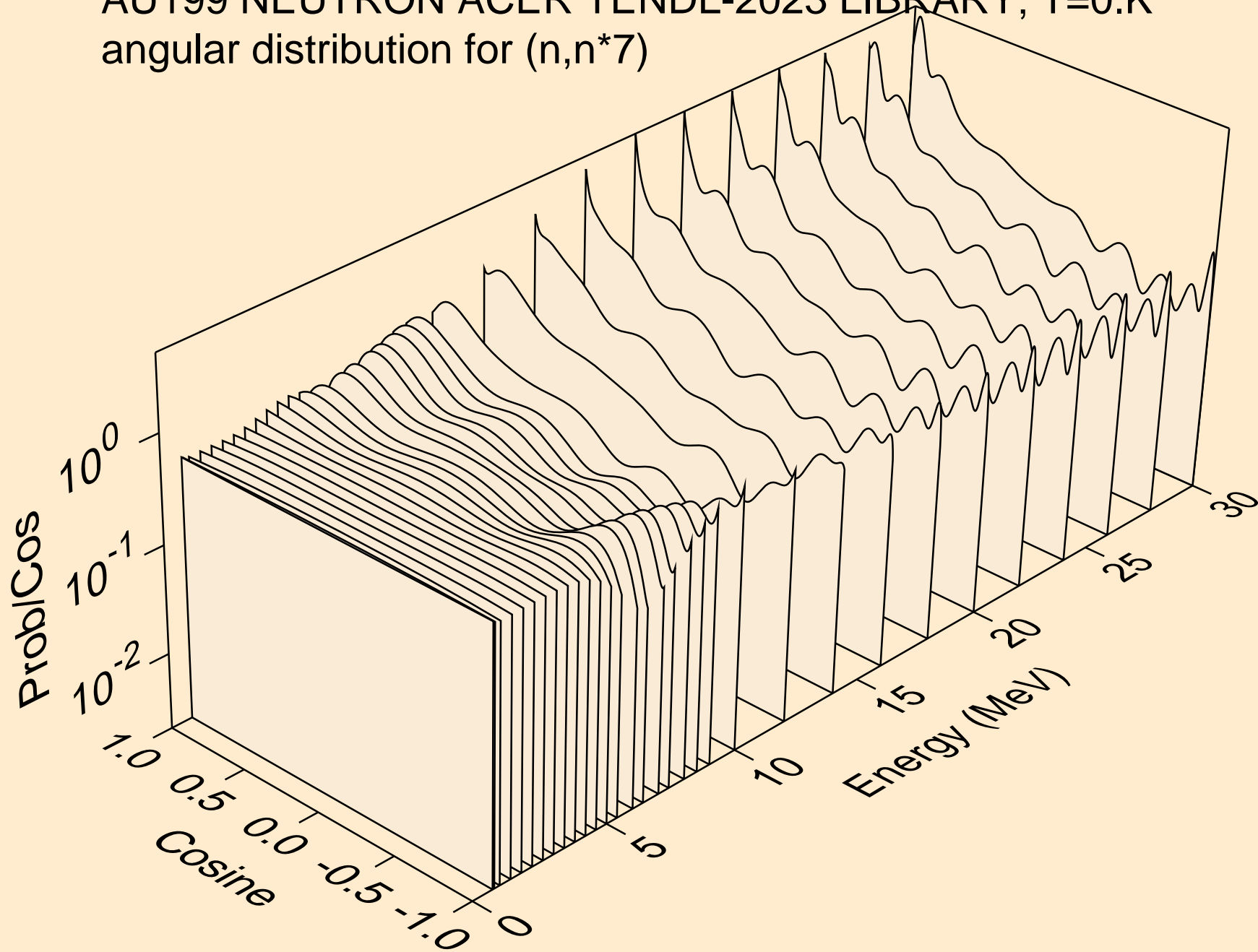




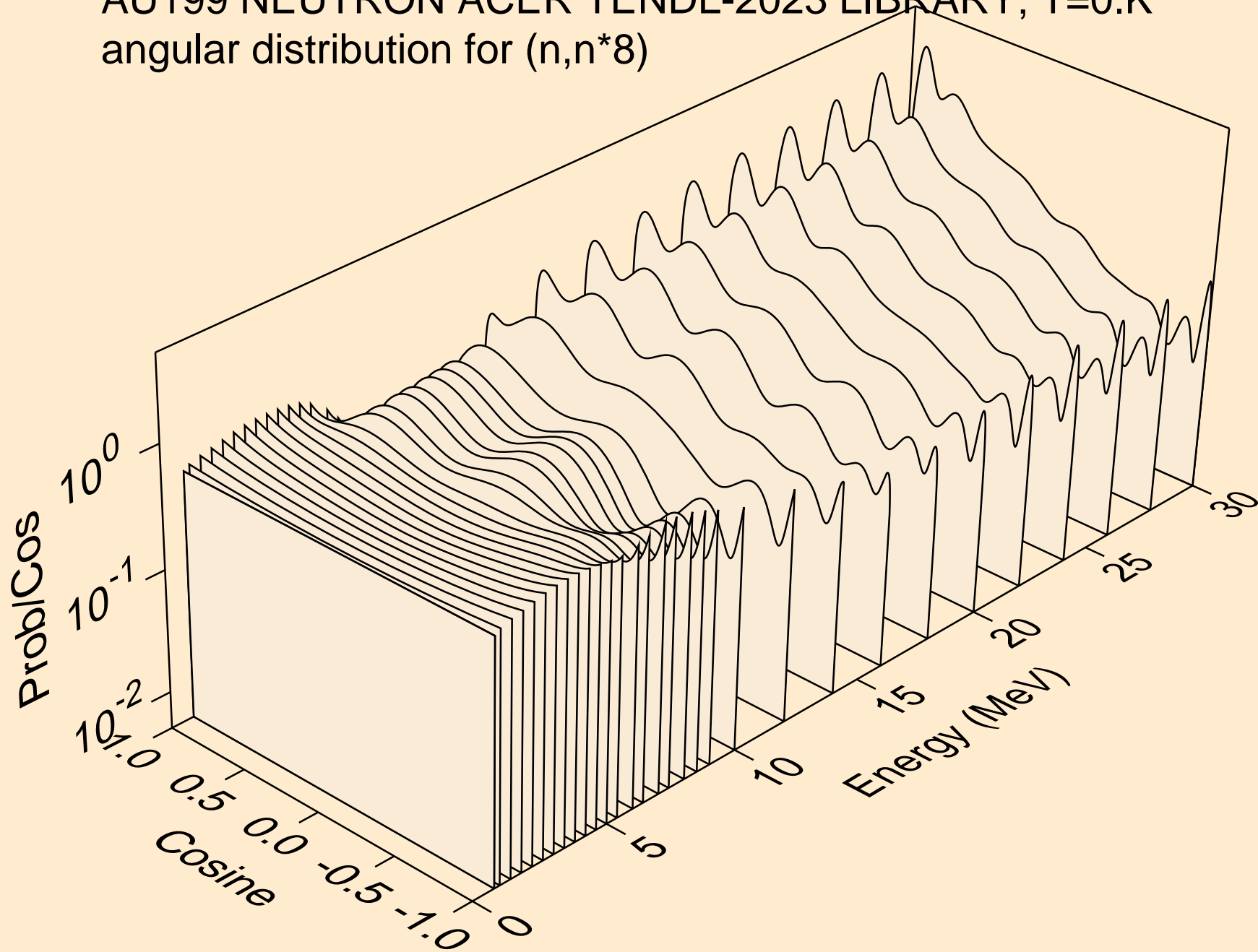
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angular distribution for (n,n\*6)



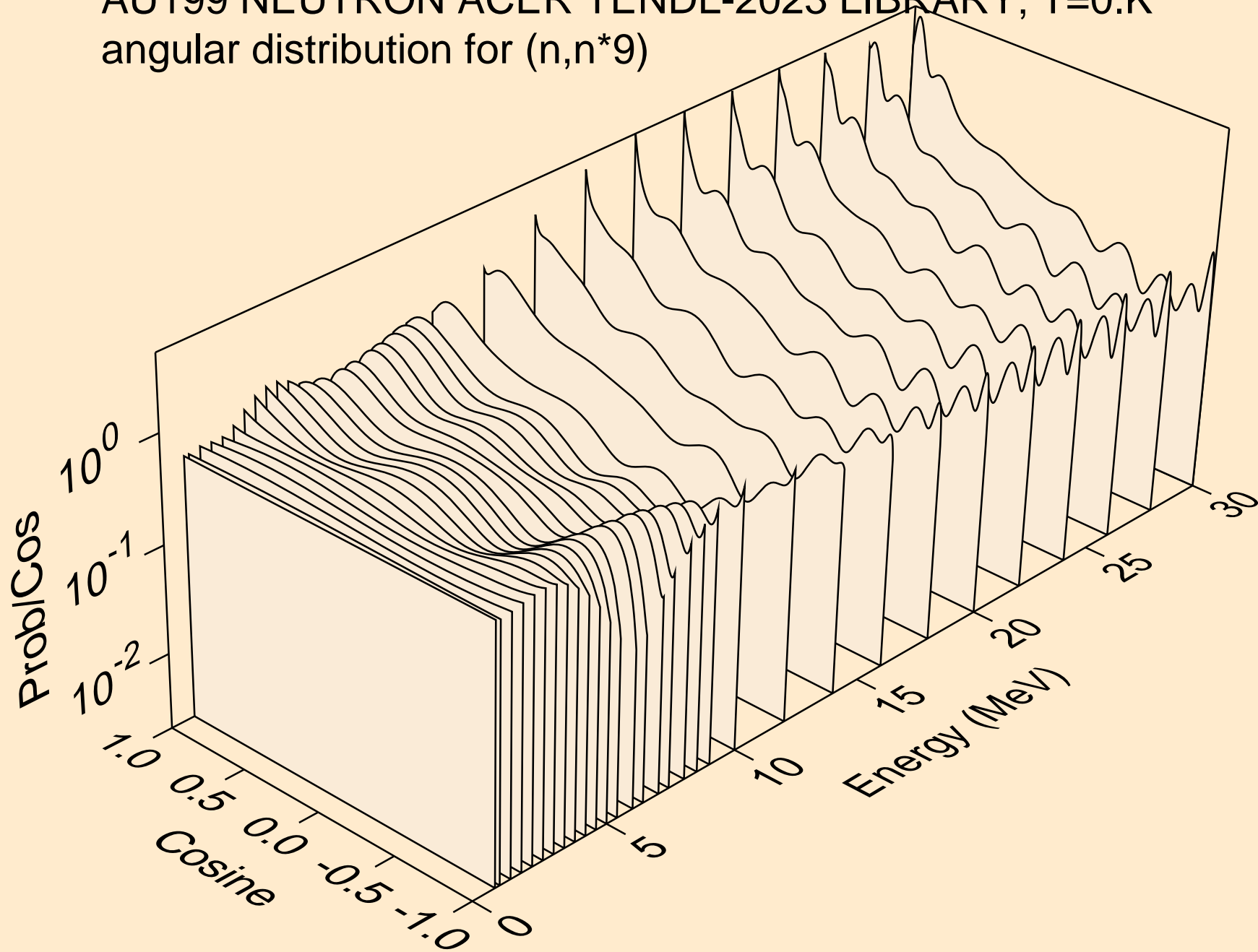
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angular distribution for (n,n\*7)



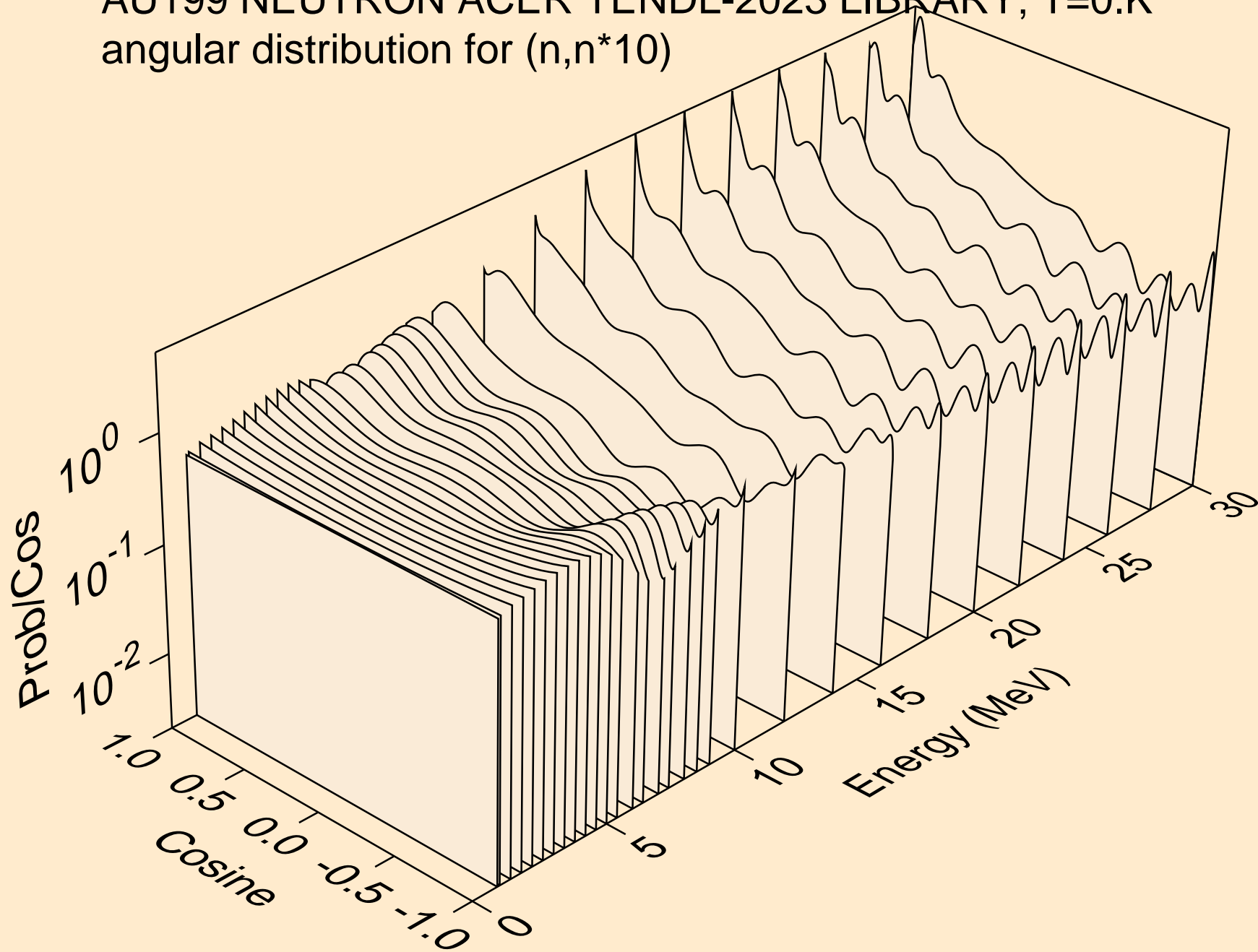
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angular distribution for (n,n\*8)



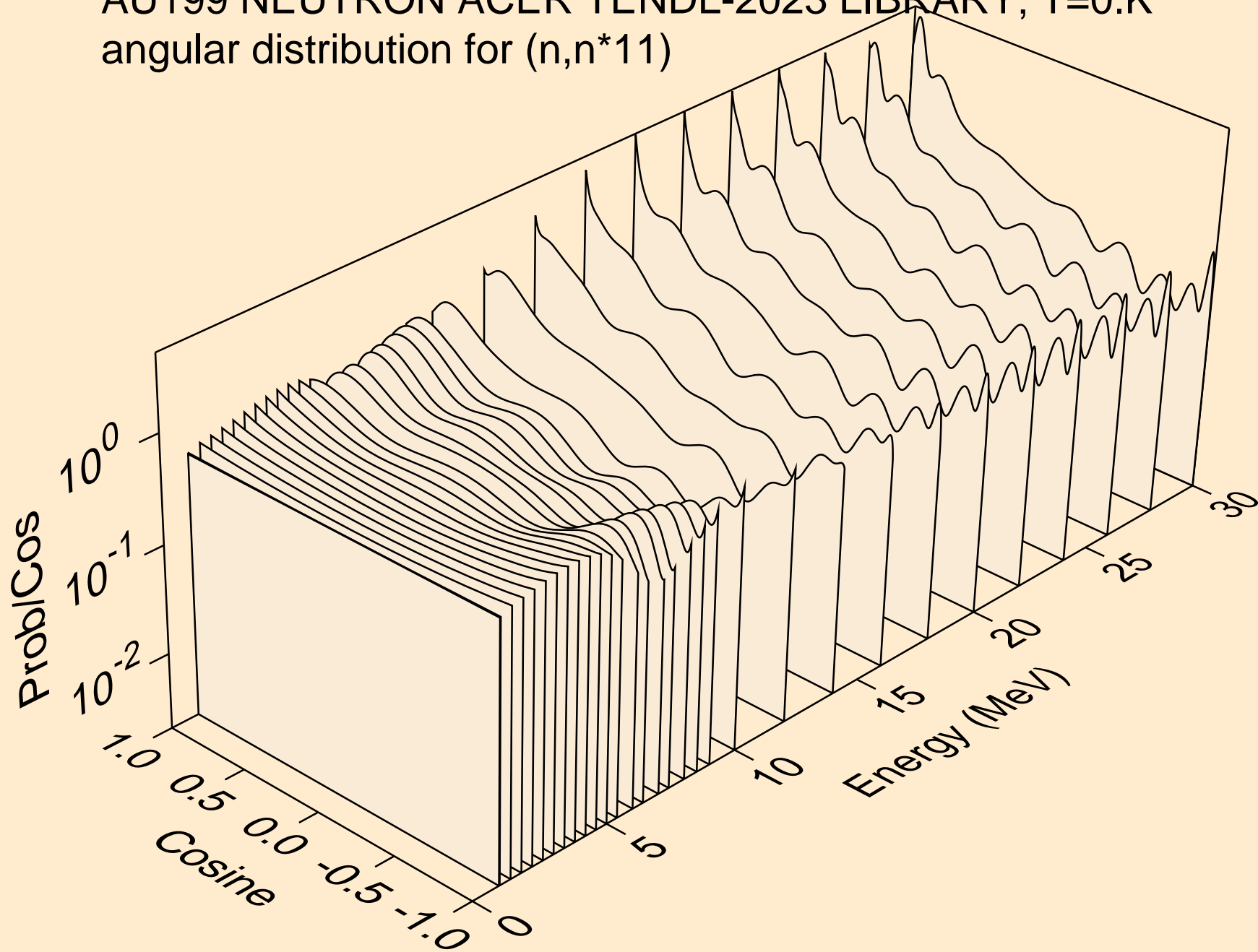
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angular distribution for (n,n\*9)



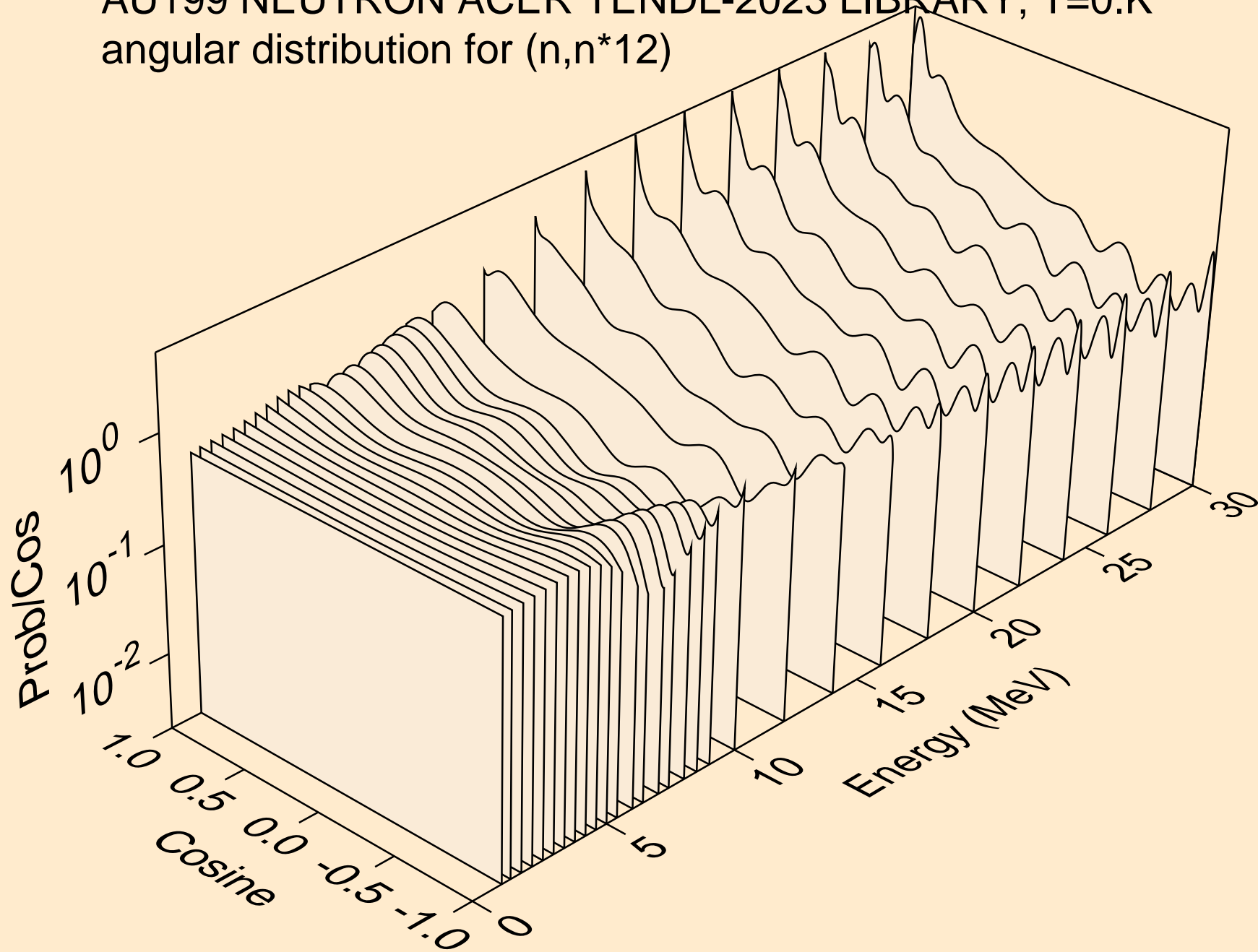
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angular distribution for (n,n\*10)



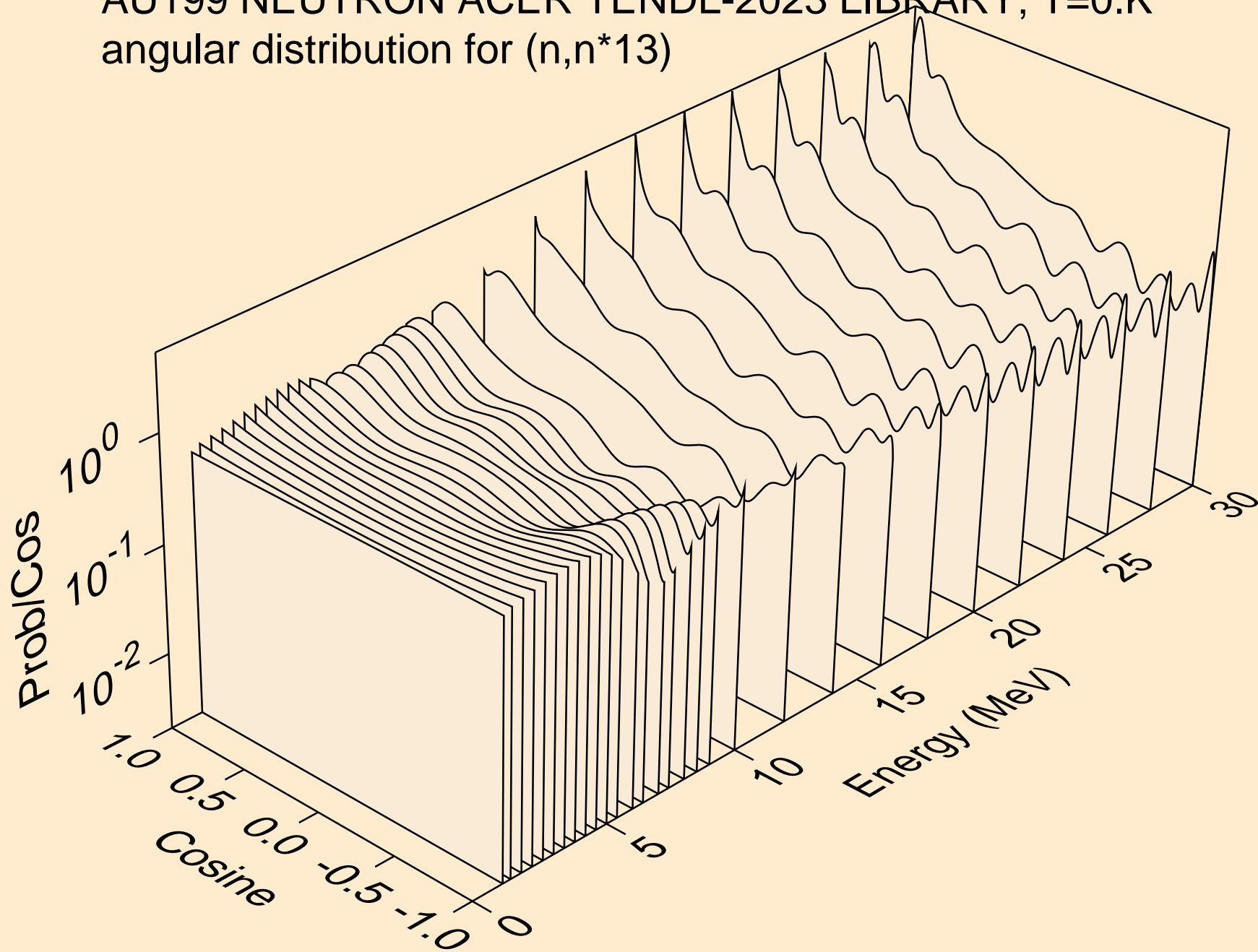
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

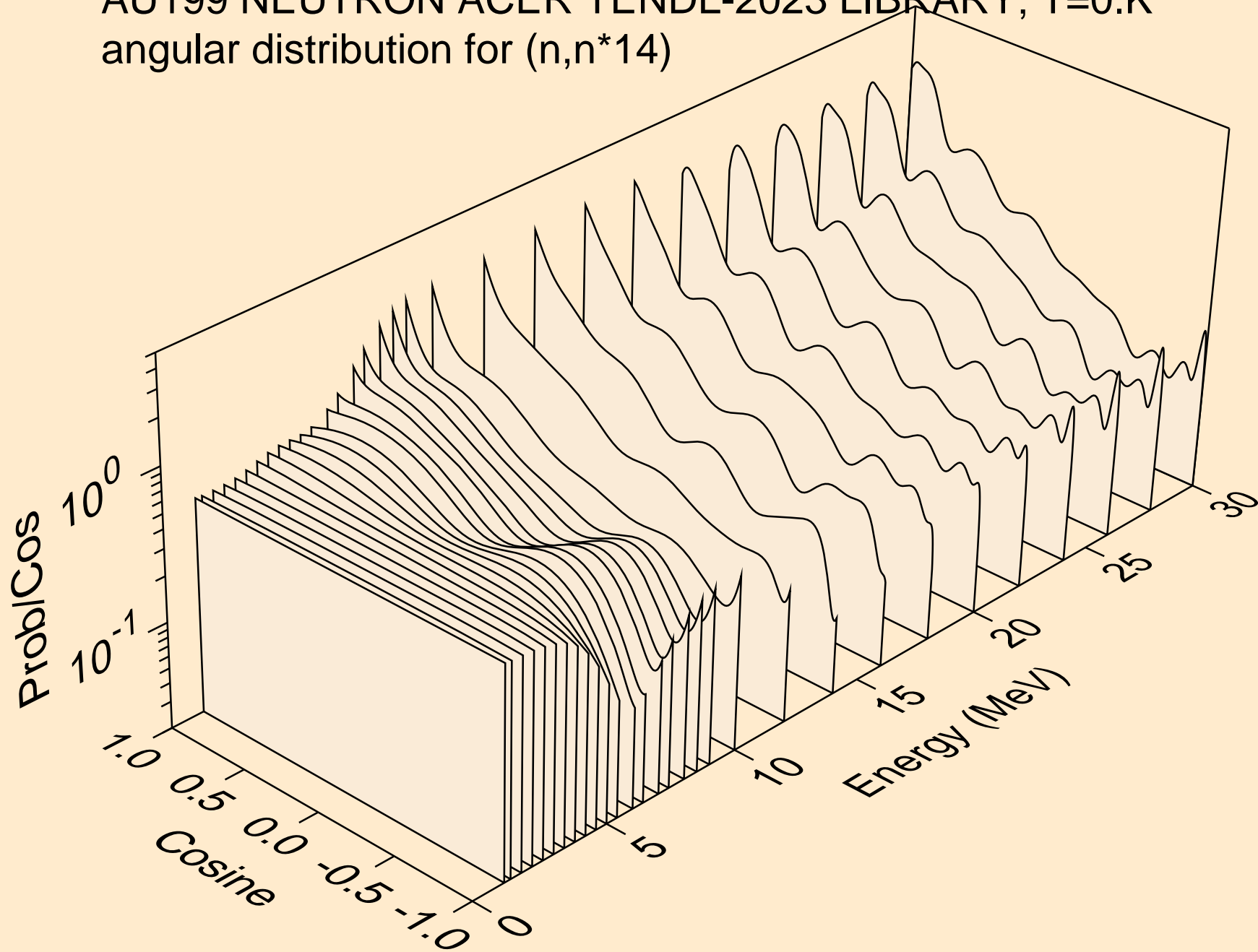


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angular distribution for (n,n\*13)

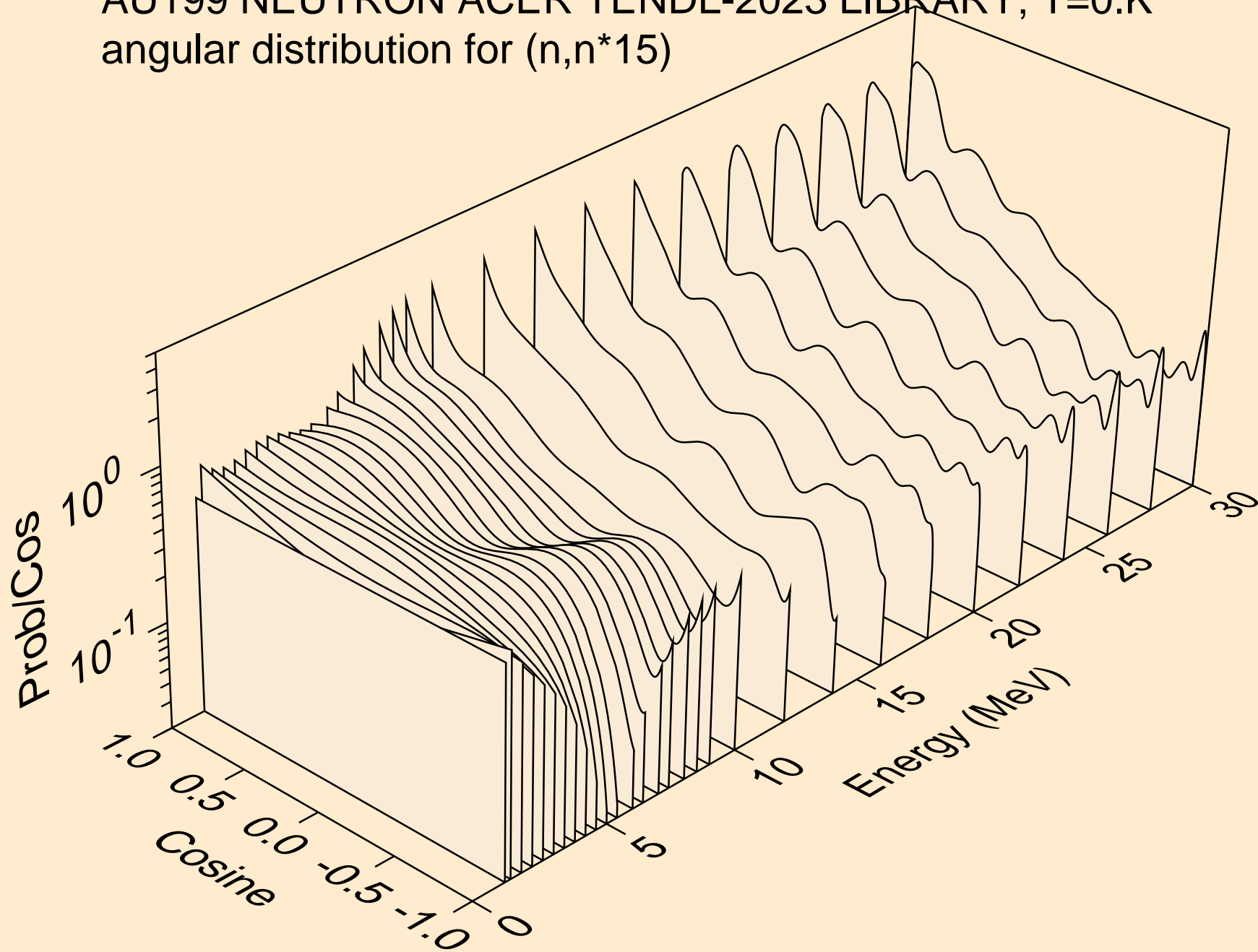




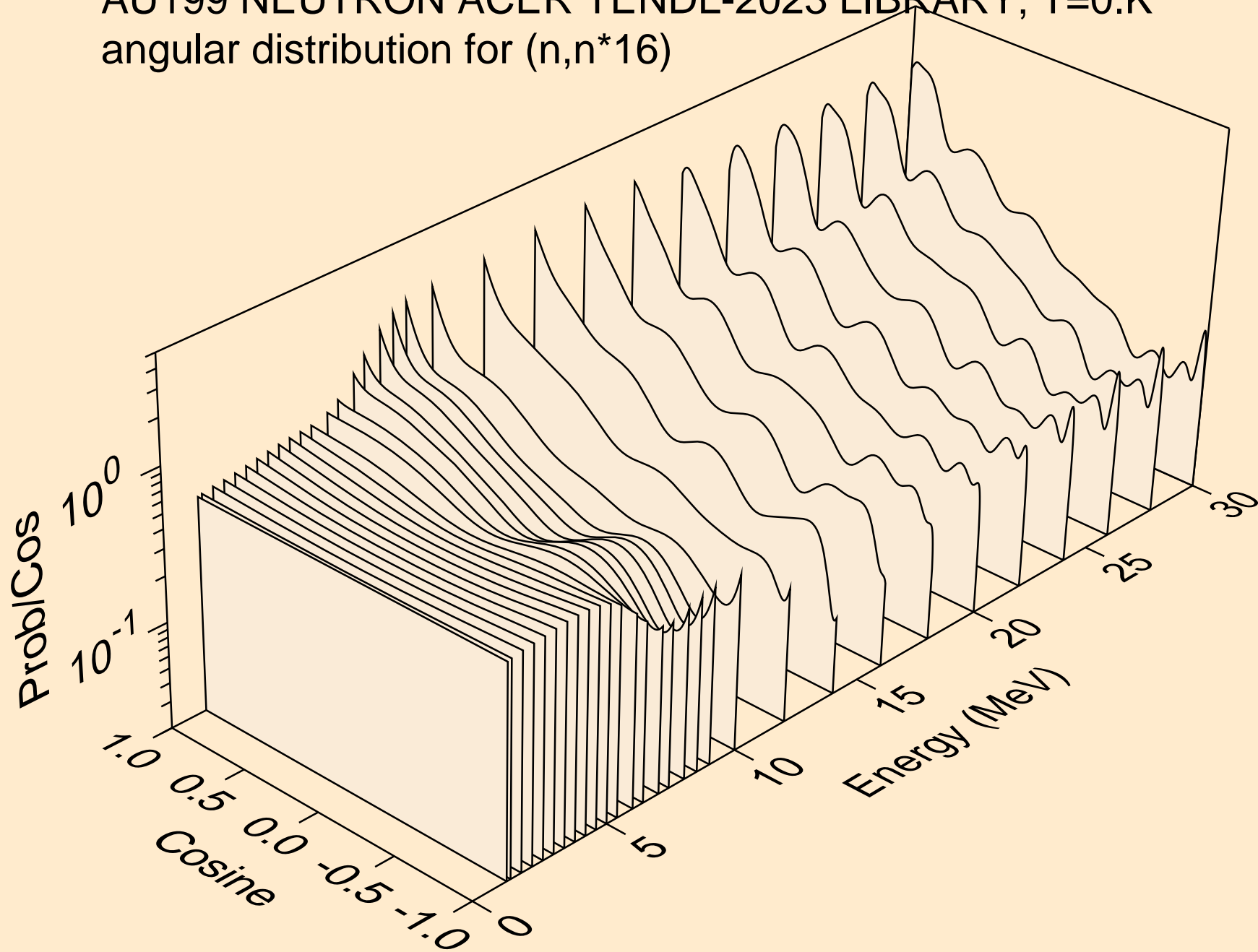
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angular distribution for (n,n\*14)



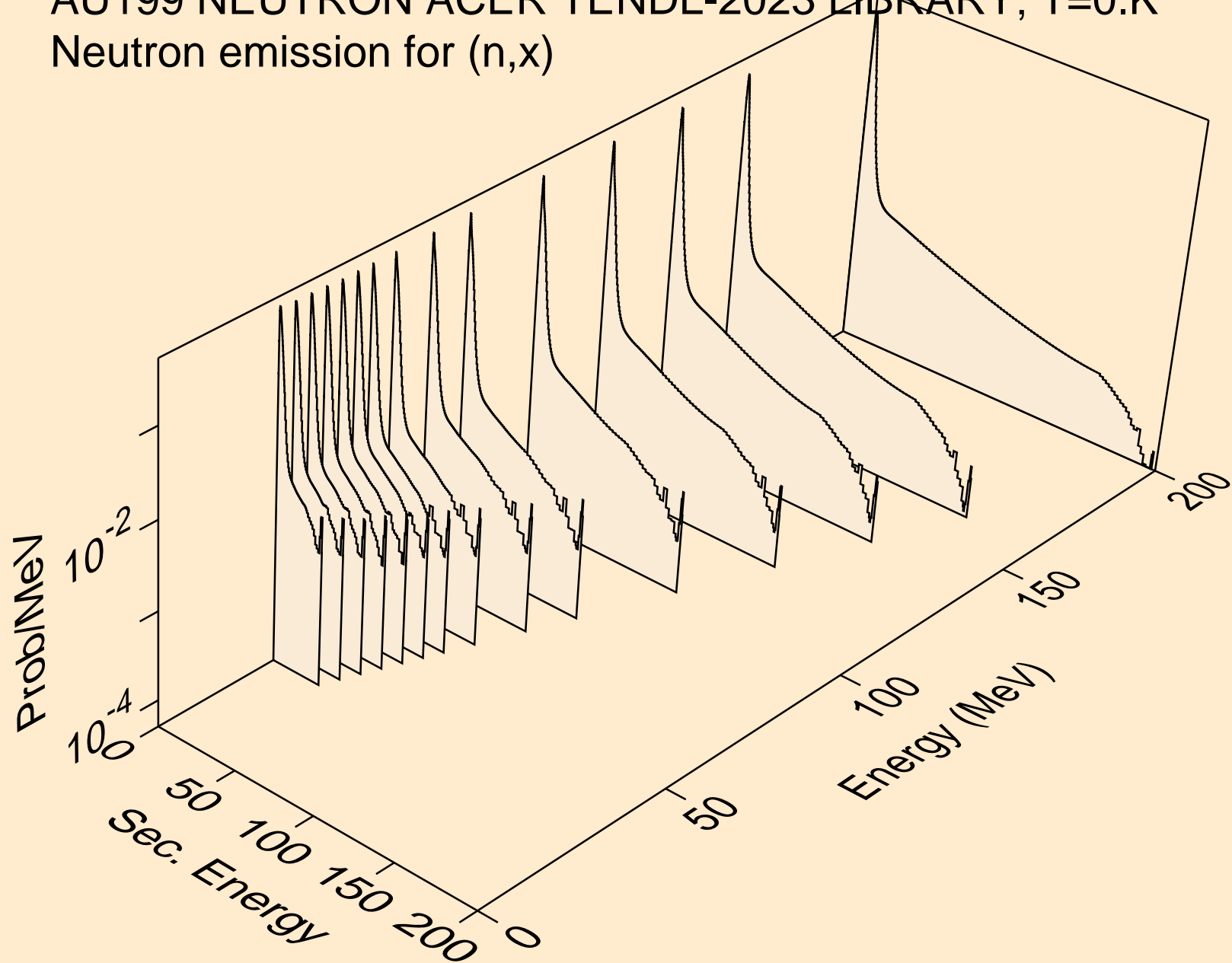
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angular distribution for (n,n\*15)



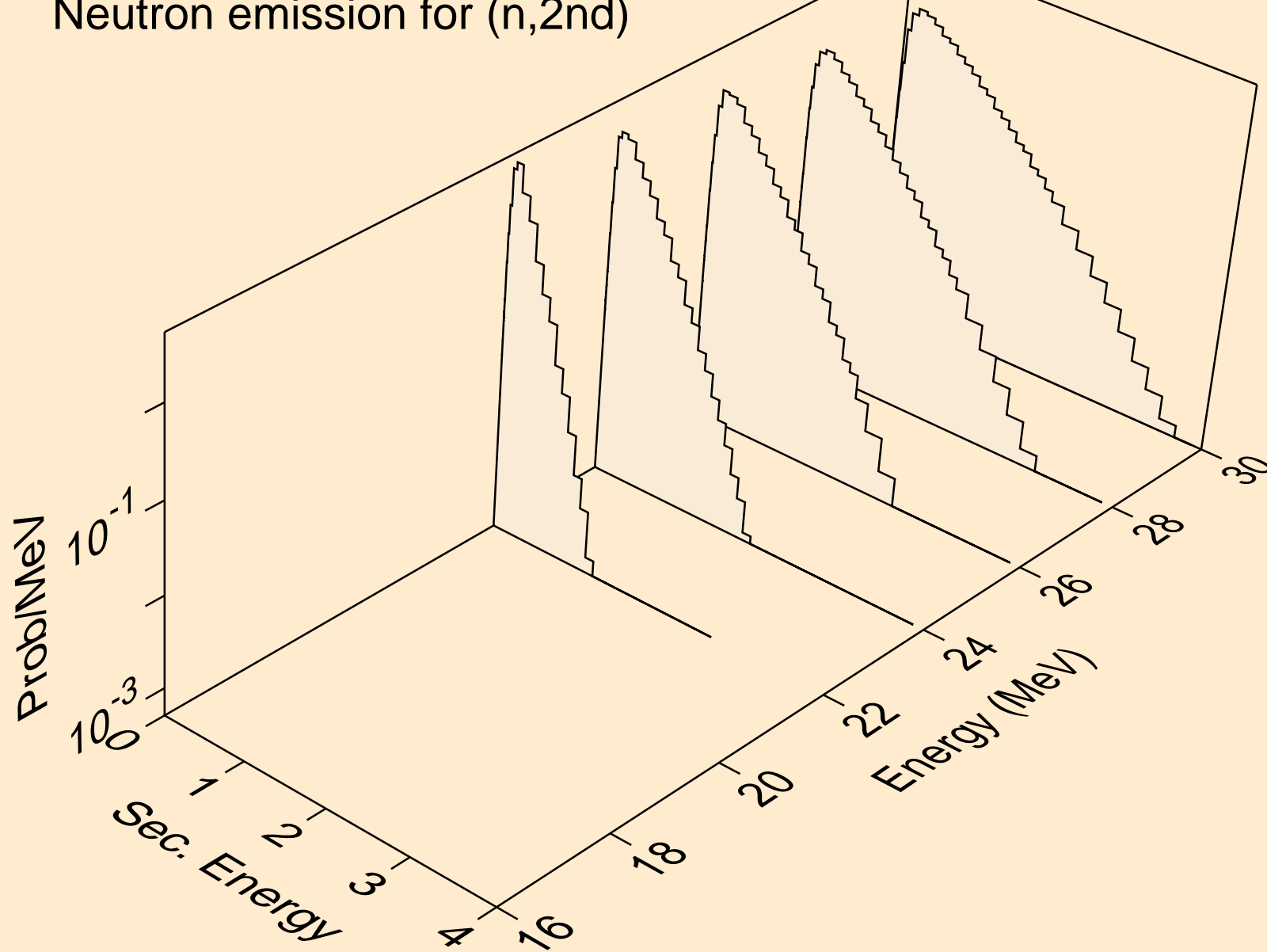
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angular distribution for (n,n\*16)



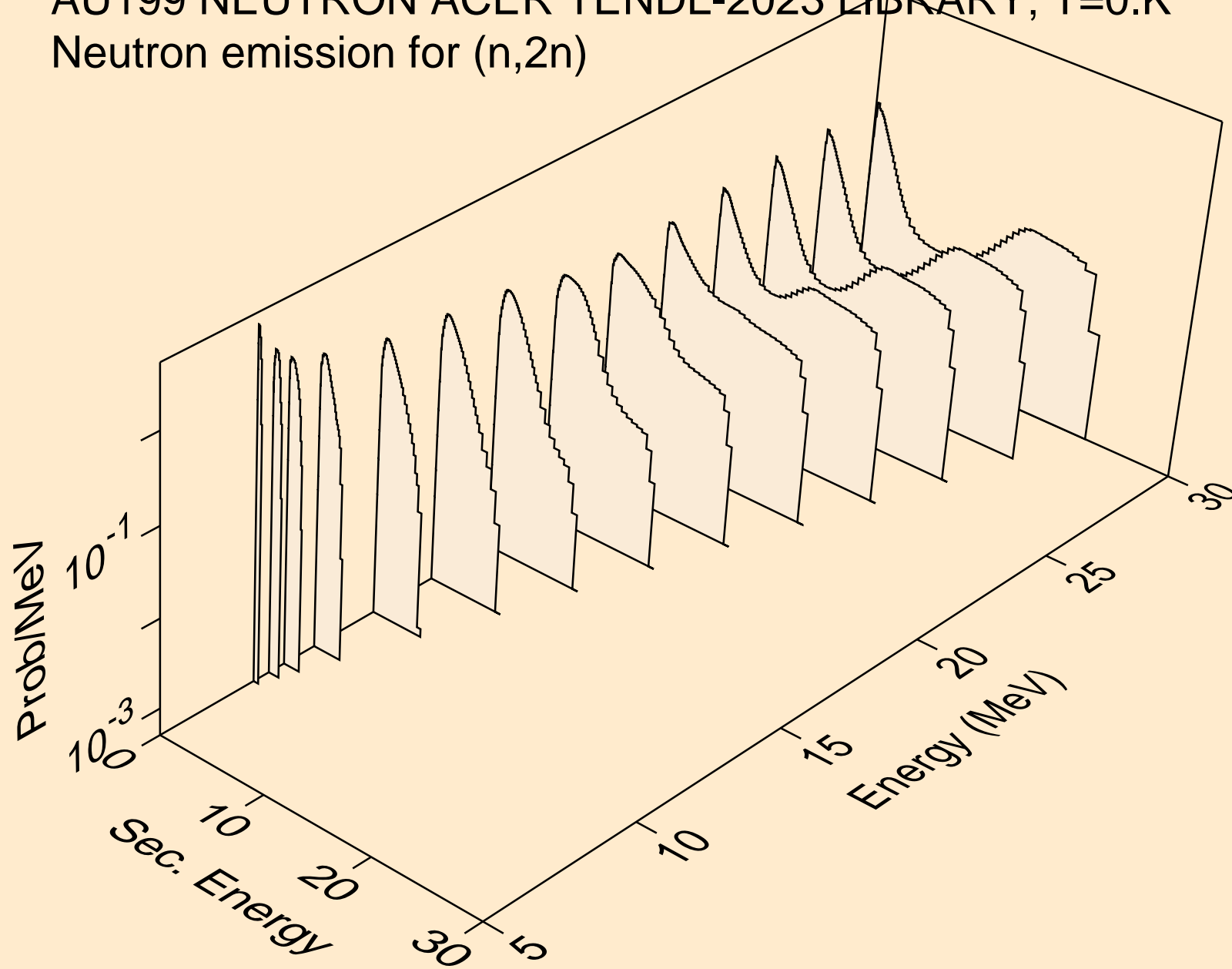
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Neutron emission for (n,x)



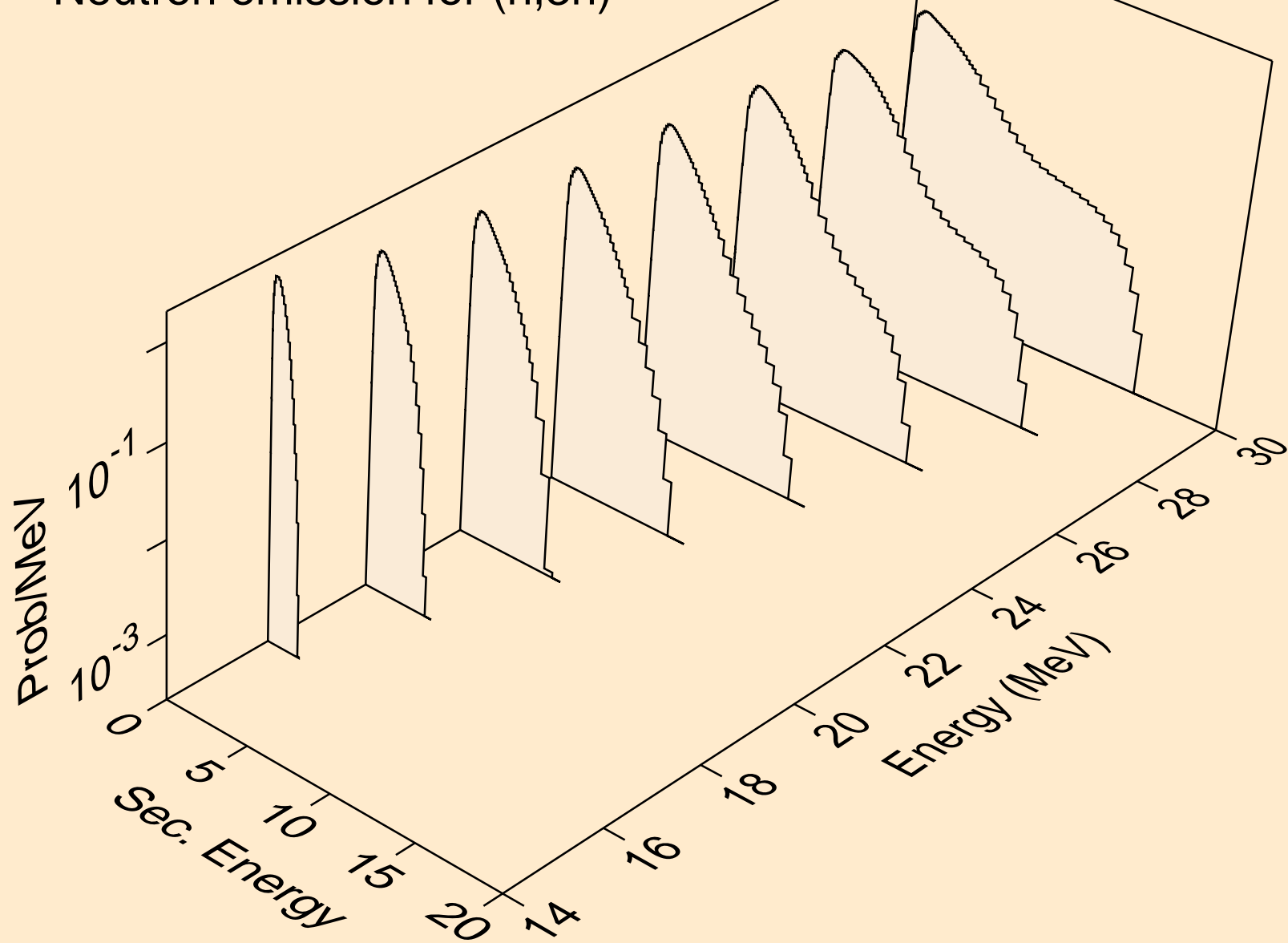
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Neutron emission for (n,2nd)



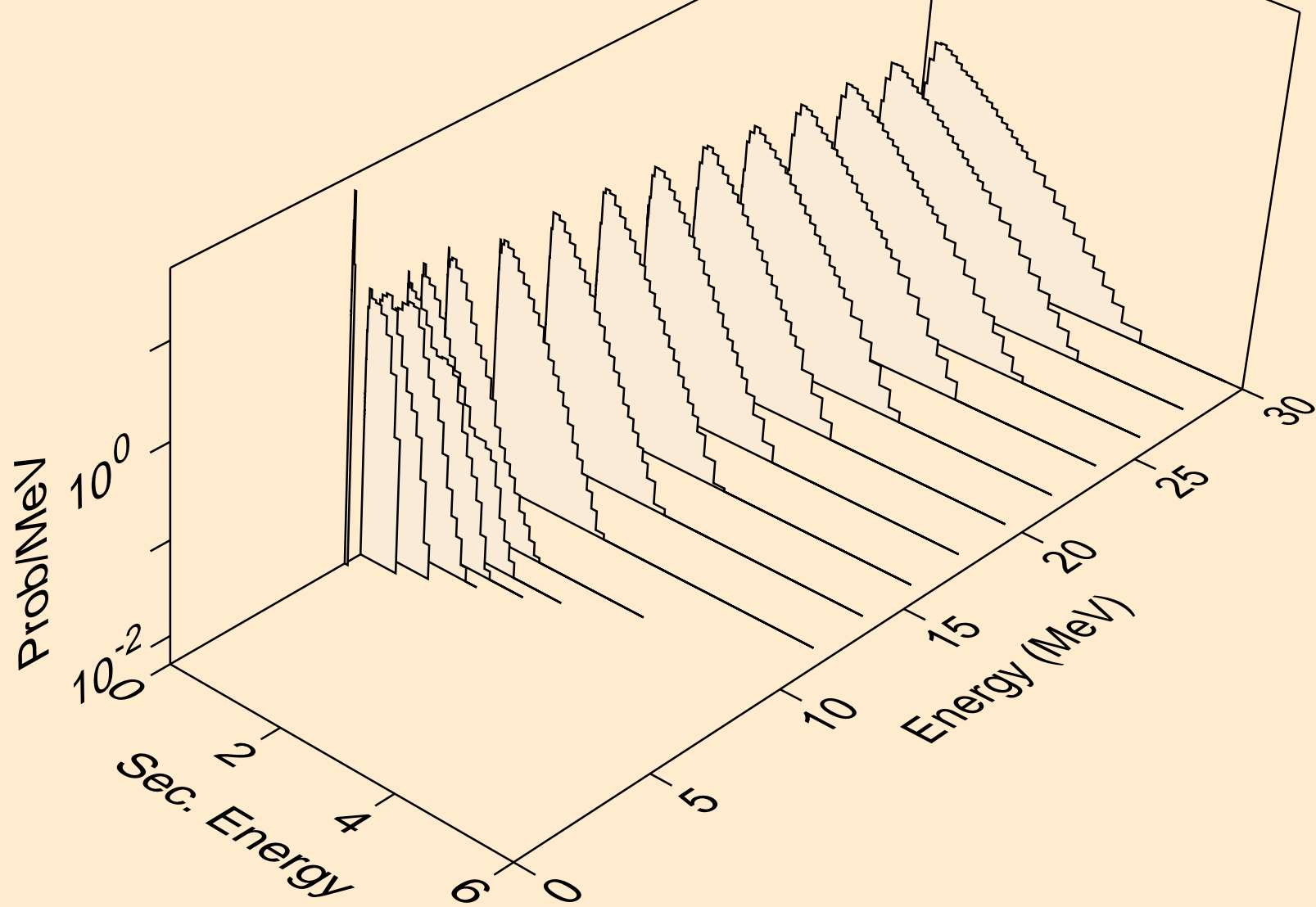
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

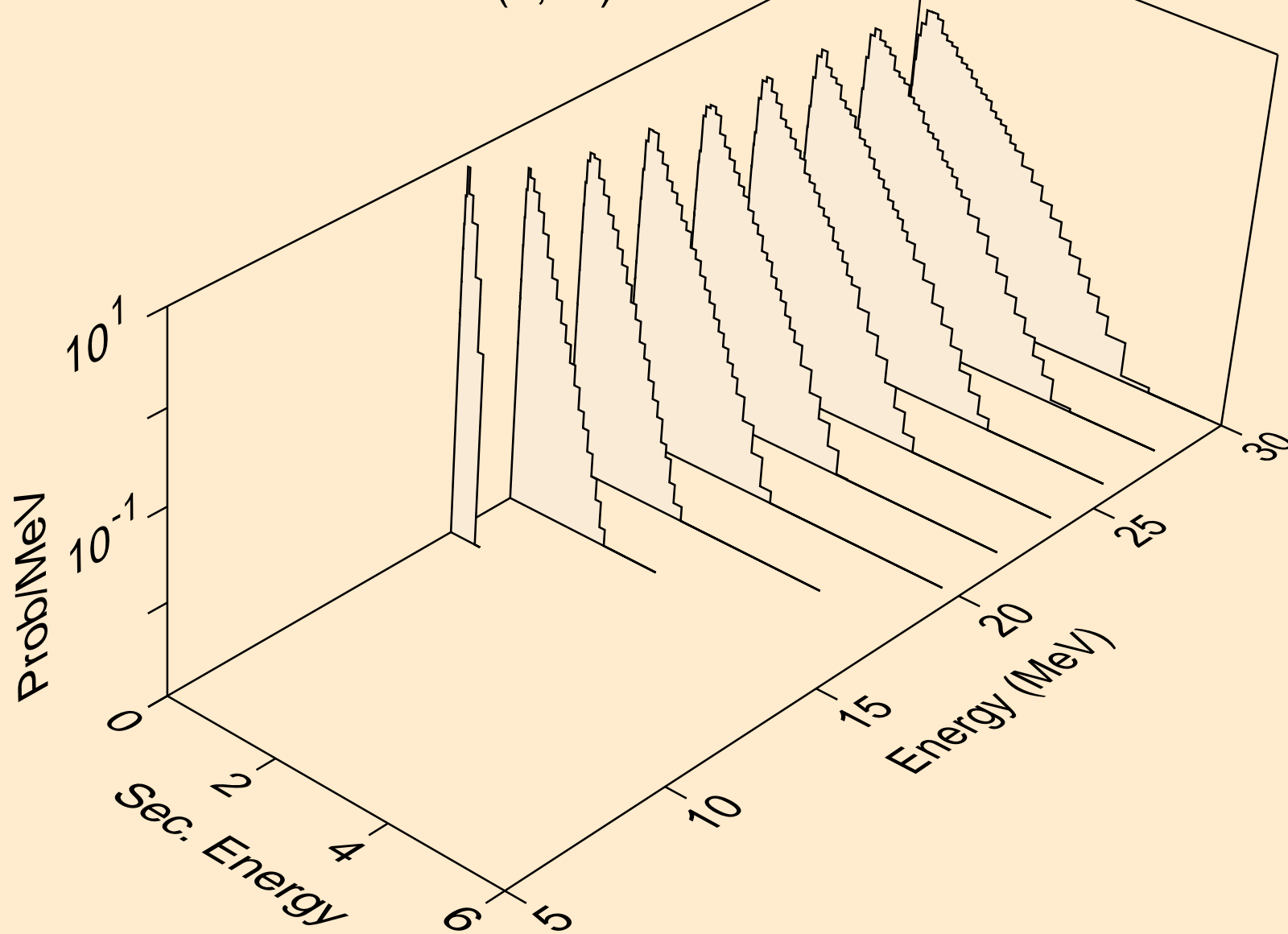


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

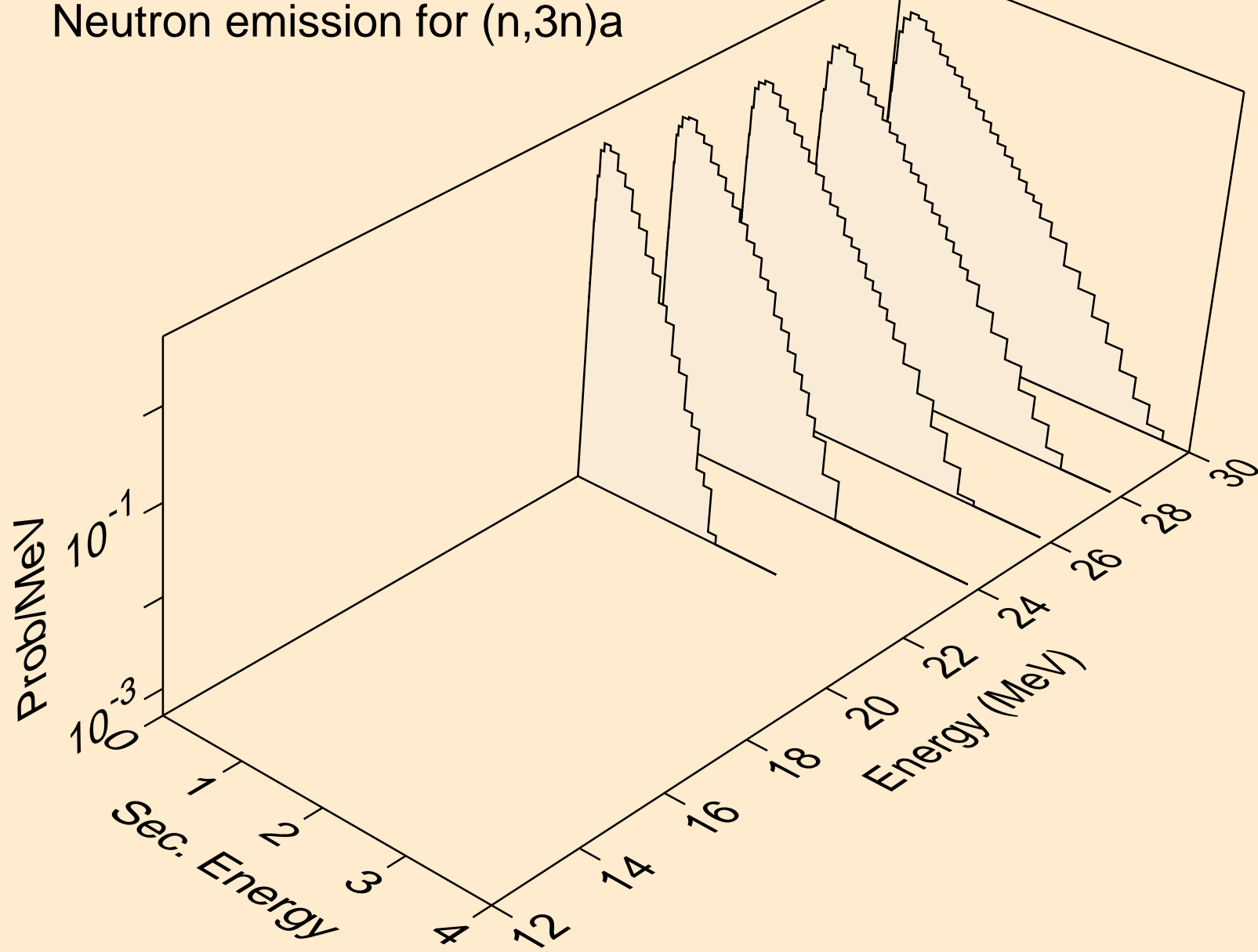




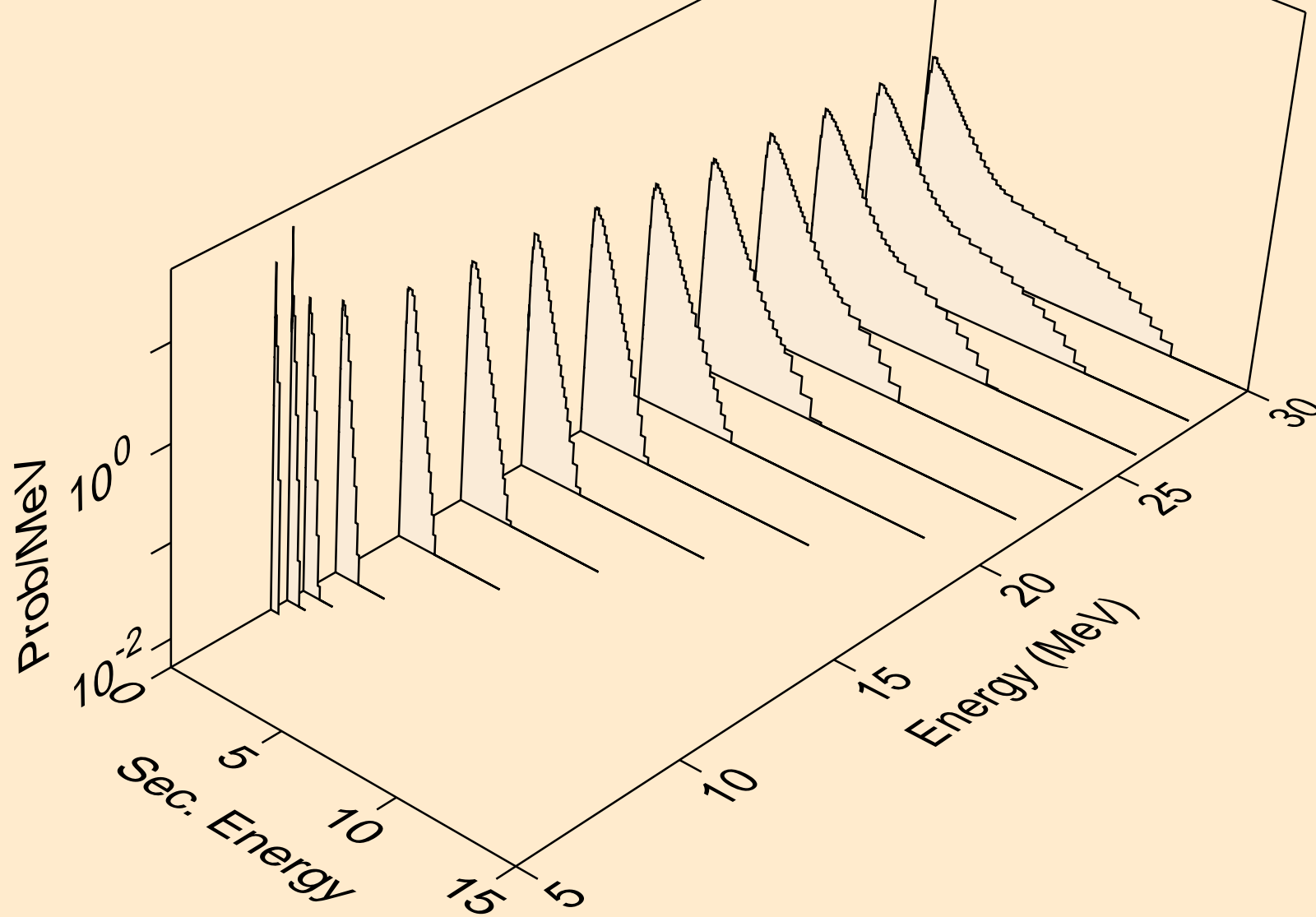
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Neutron emission for (n,2n)a



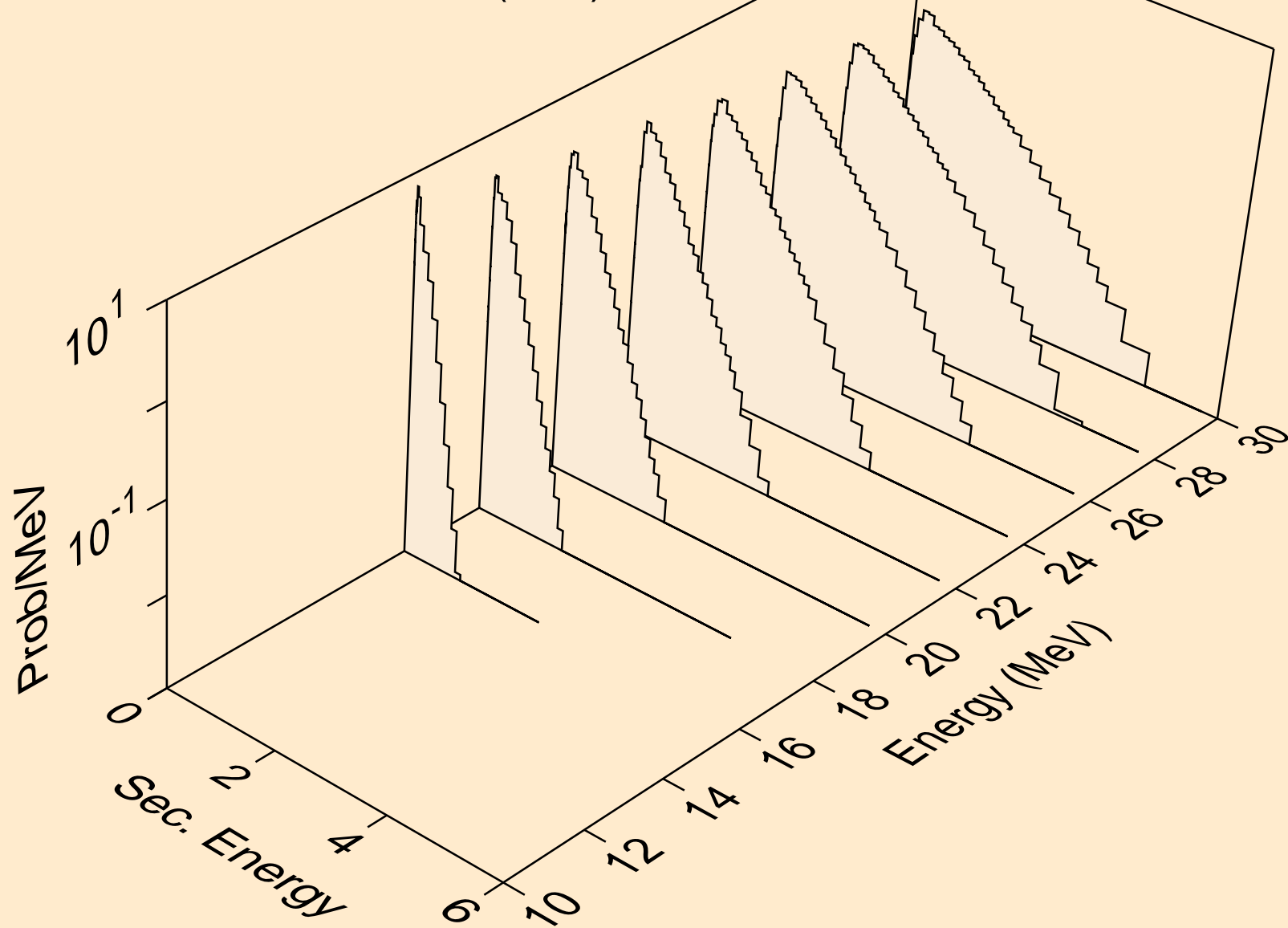
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Neutron emission for (n,3n)a



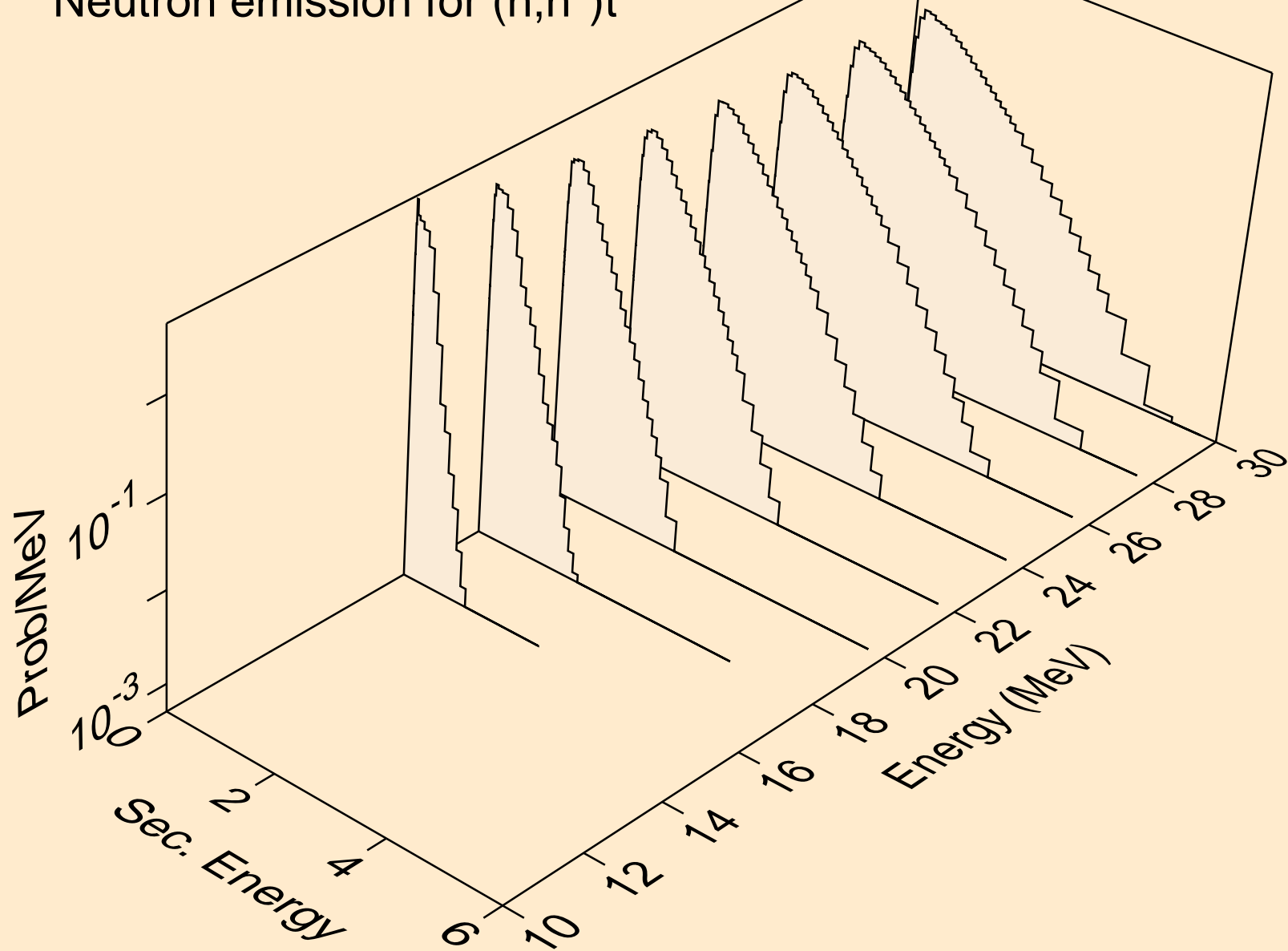
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Neutron emission for (n,n\*)p



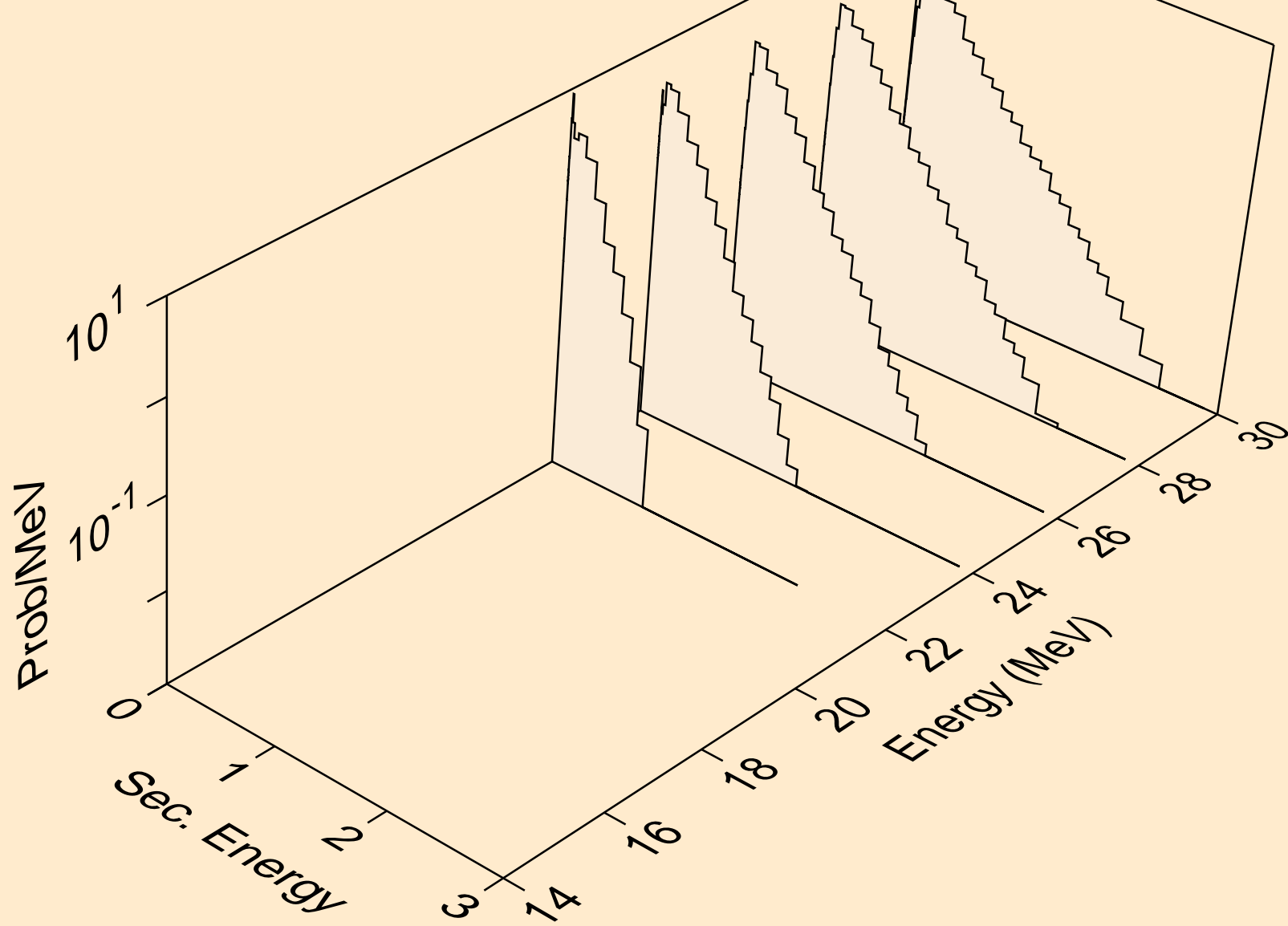
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Neutron emission for (n,n\*)d



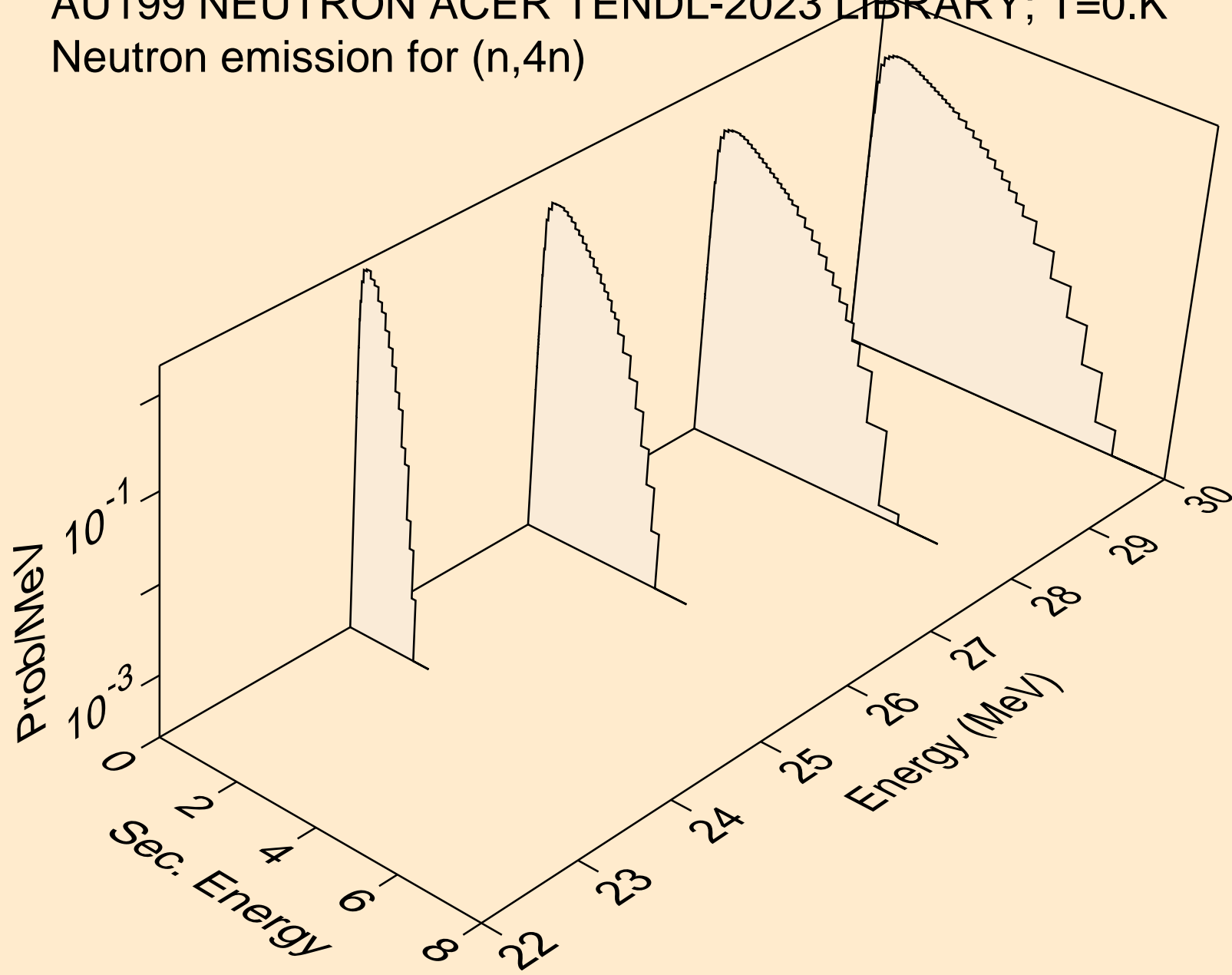
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Neutron emission for (n,n\*)t



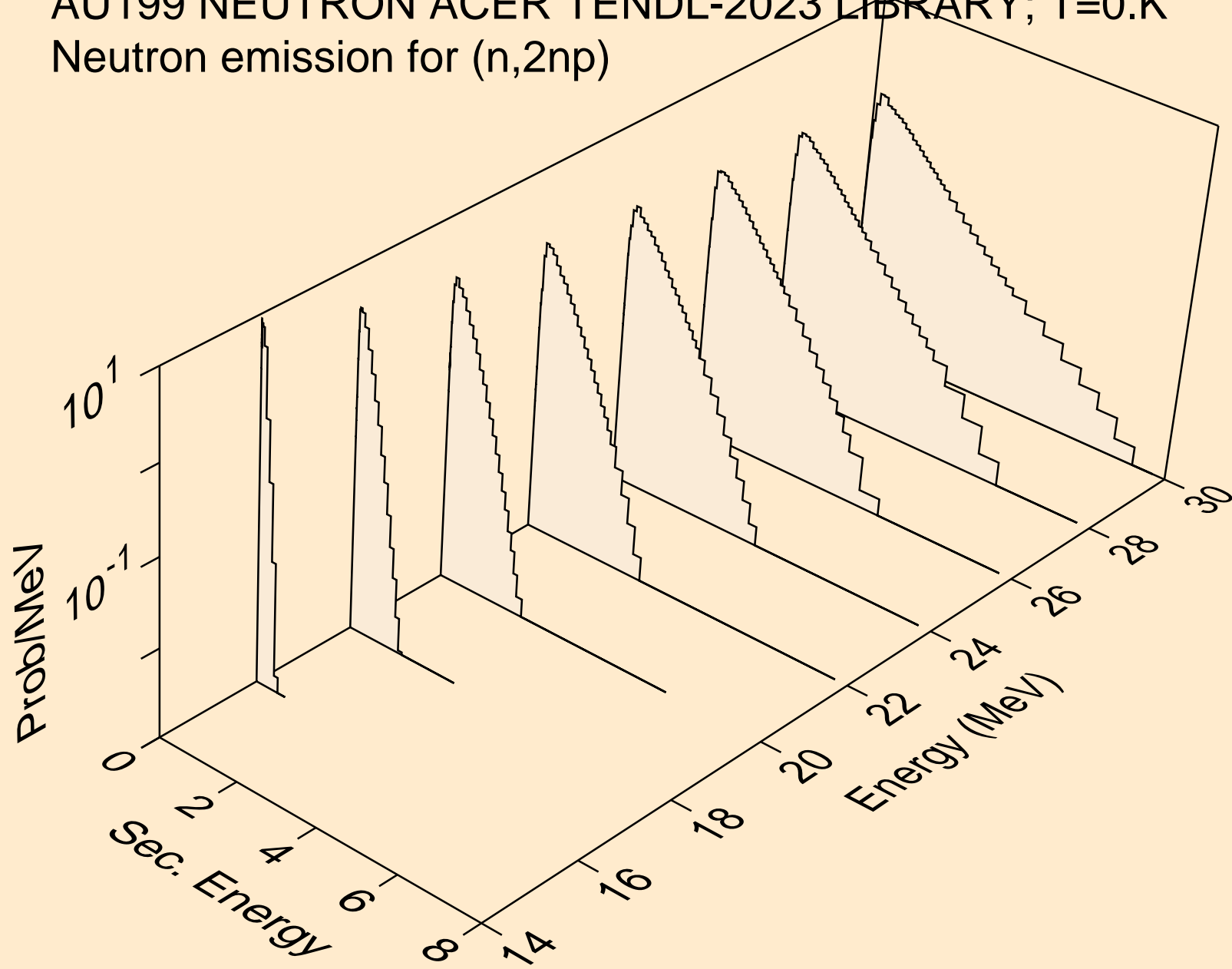
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

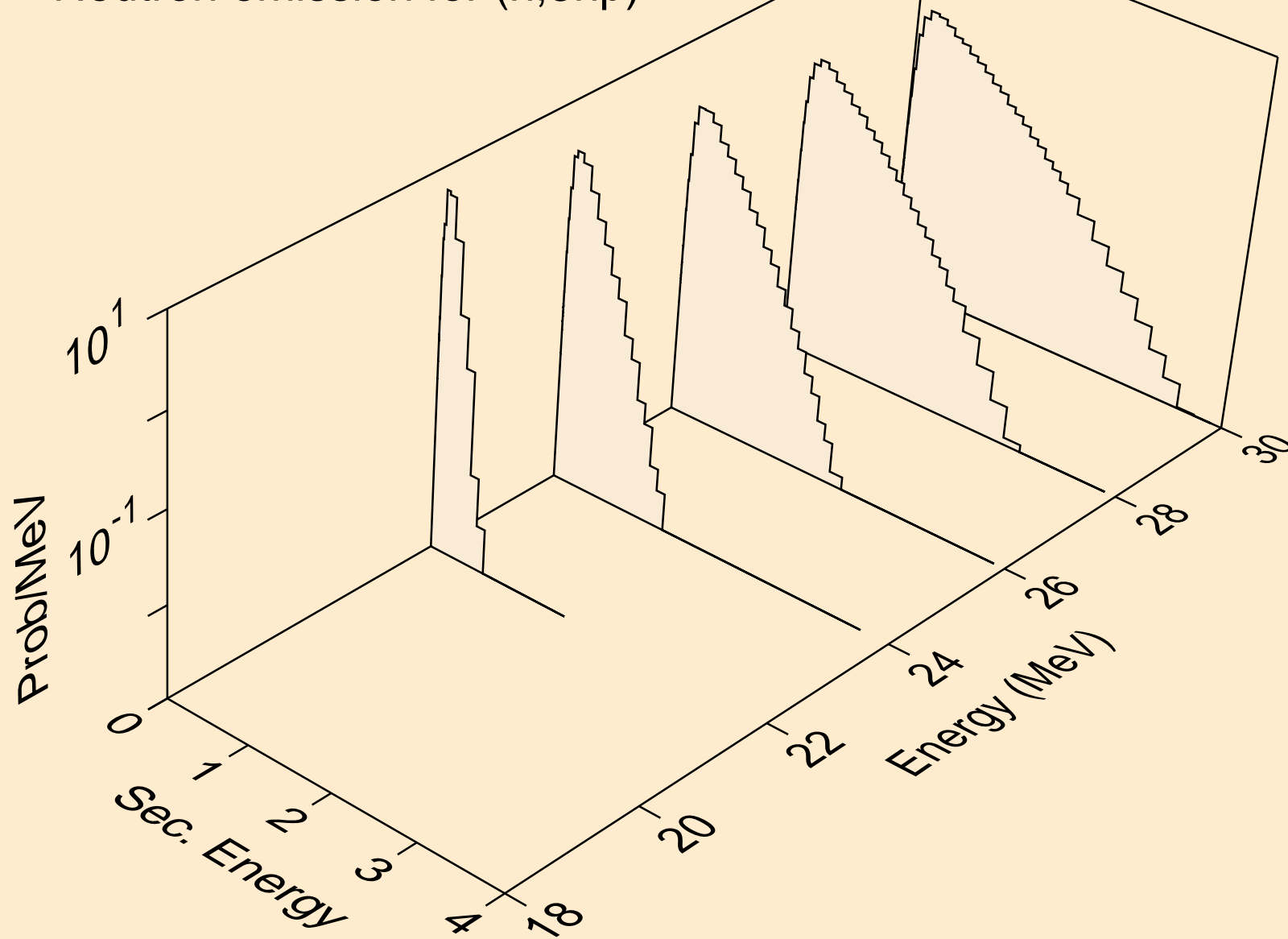


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

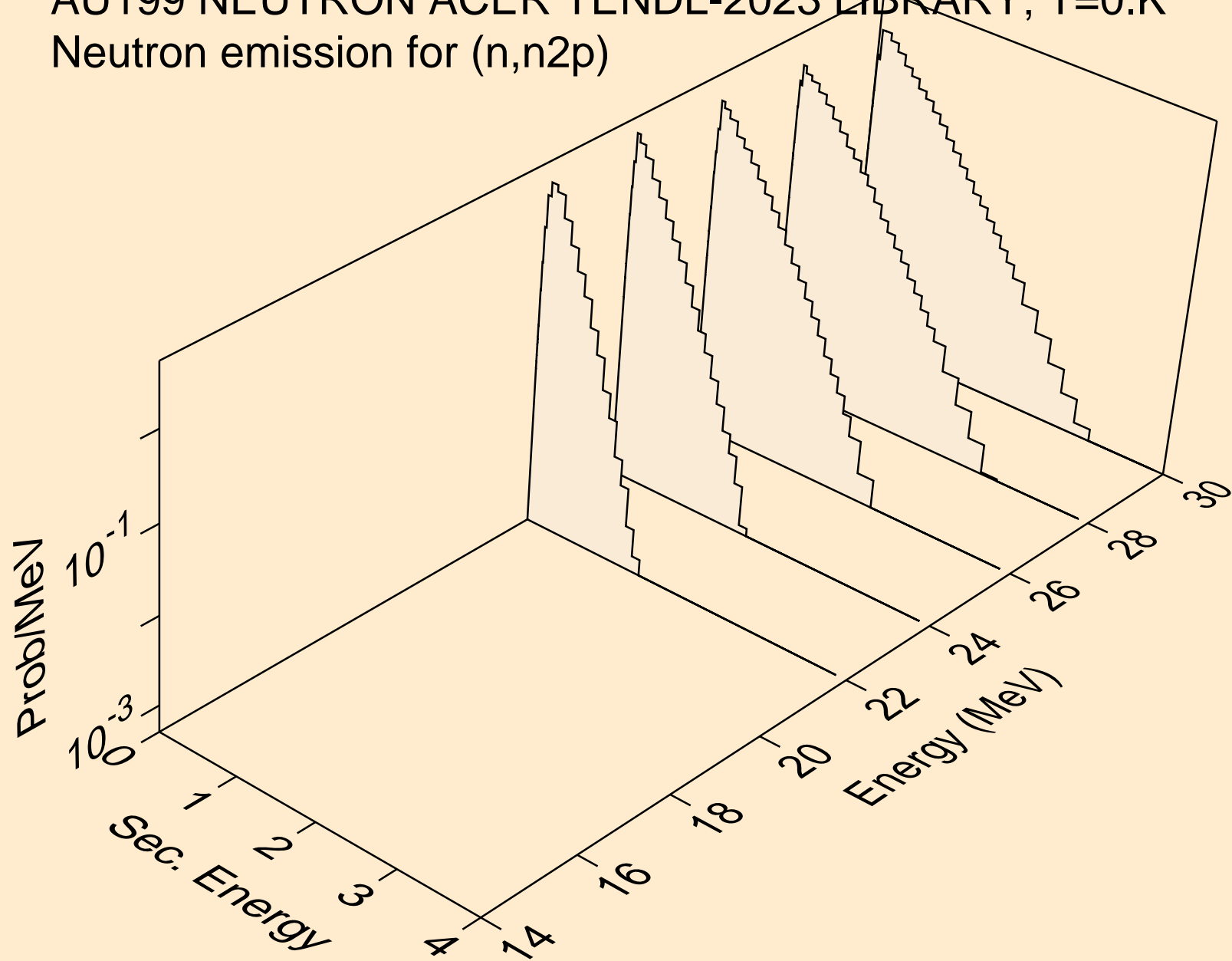




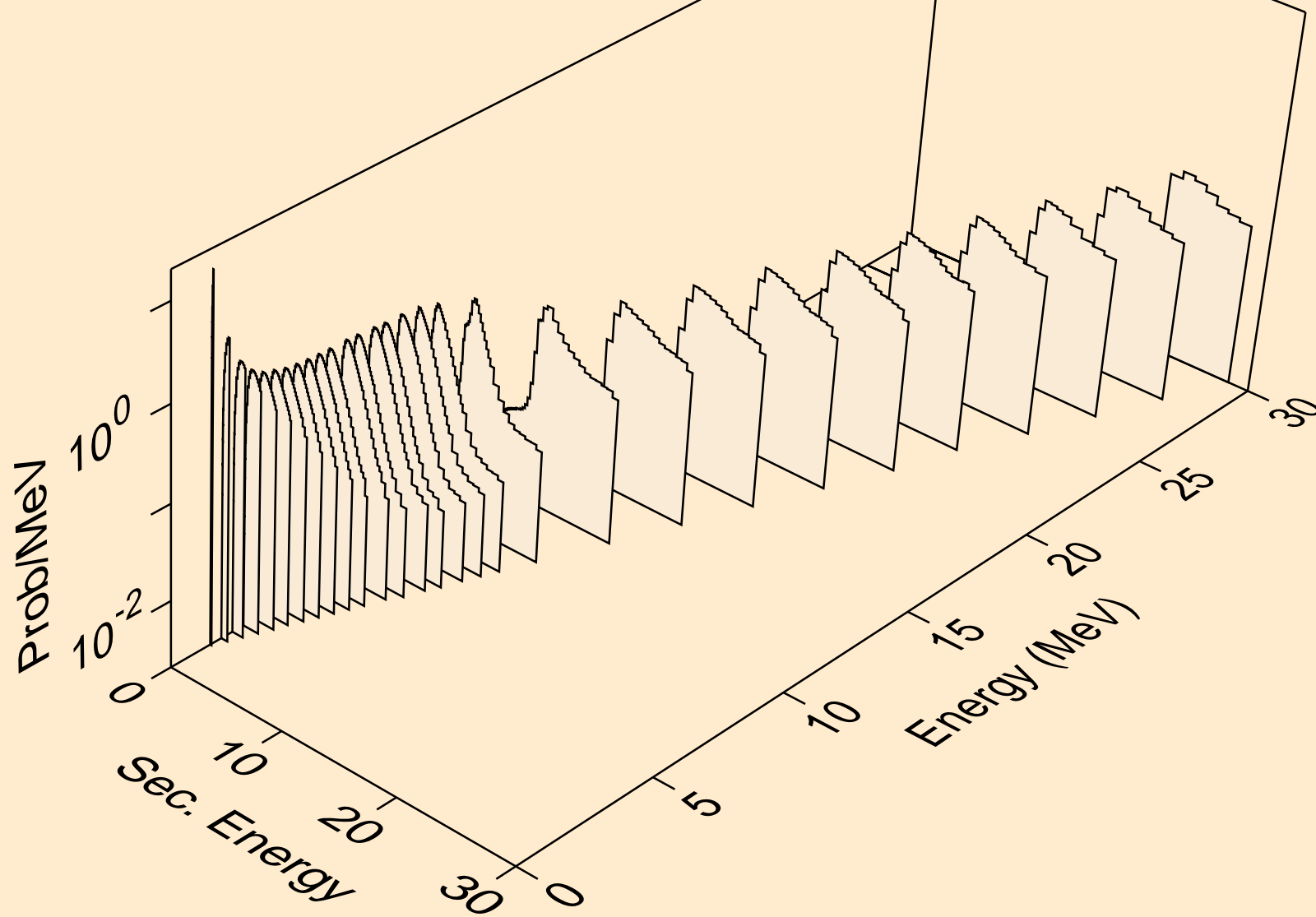
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Neutron emission for (n,3np)



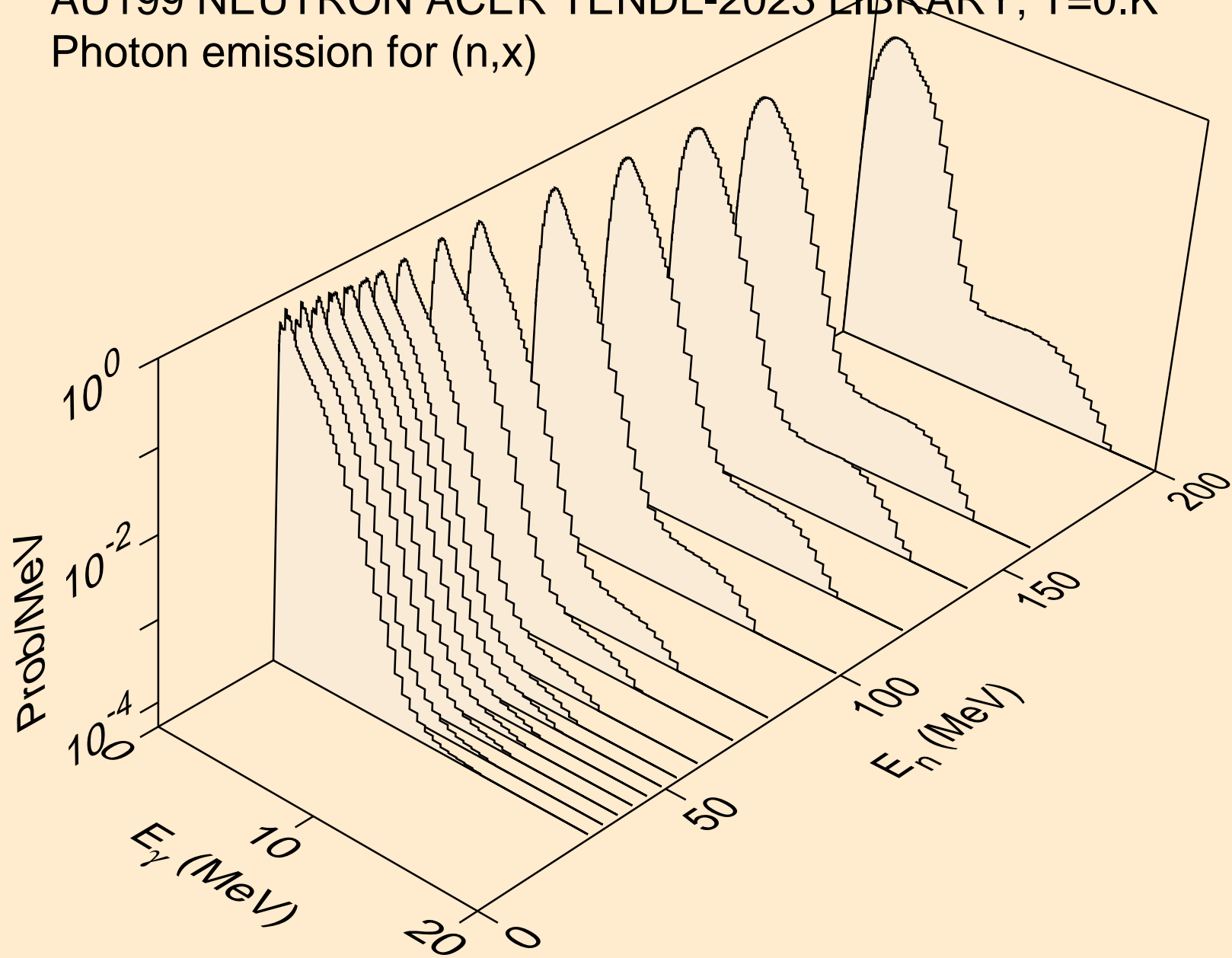
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Neutron emission for (n,n2p)



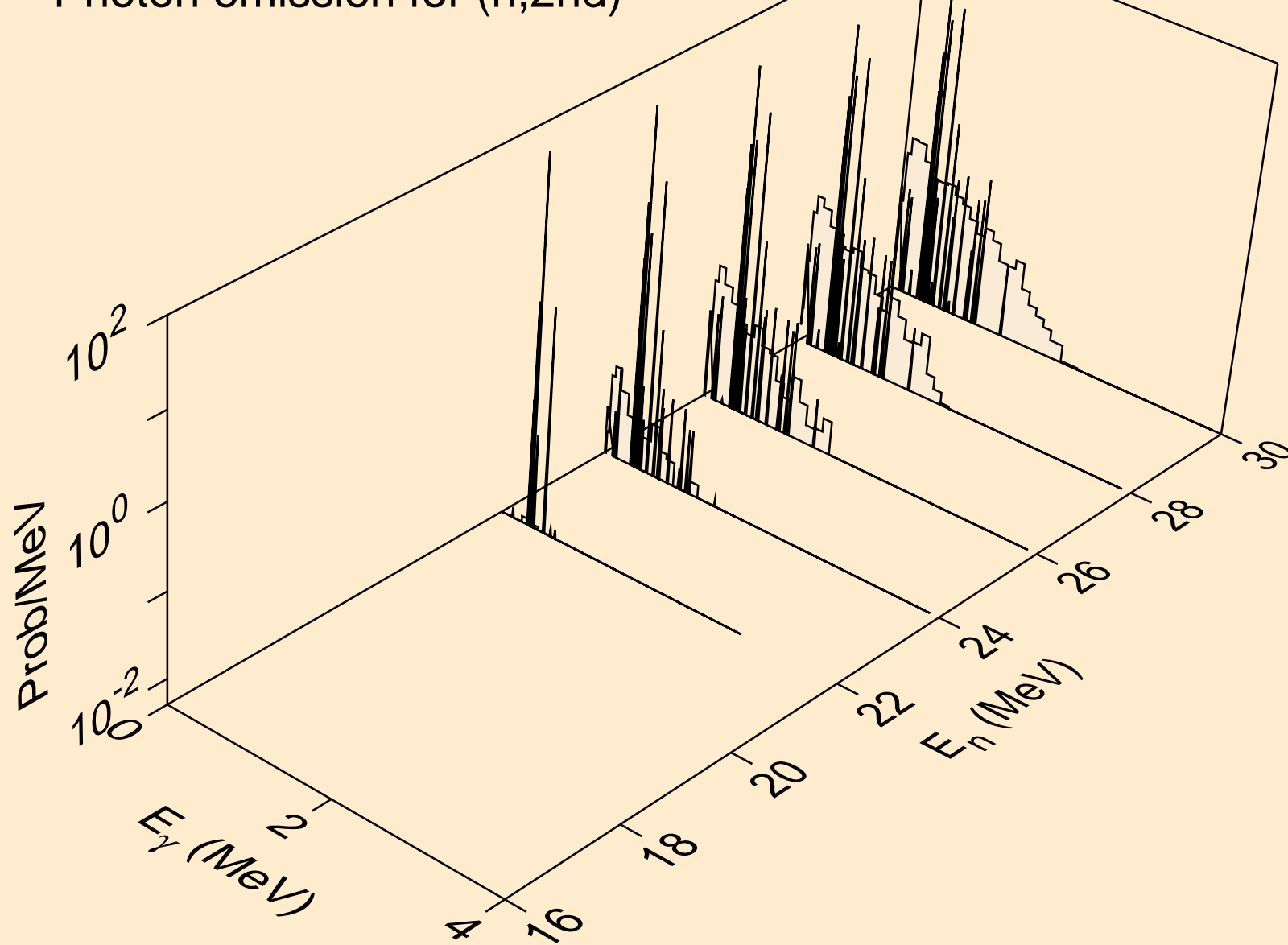
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Neutron emission for (n,n\*c)



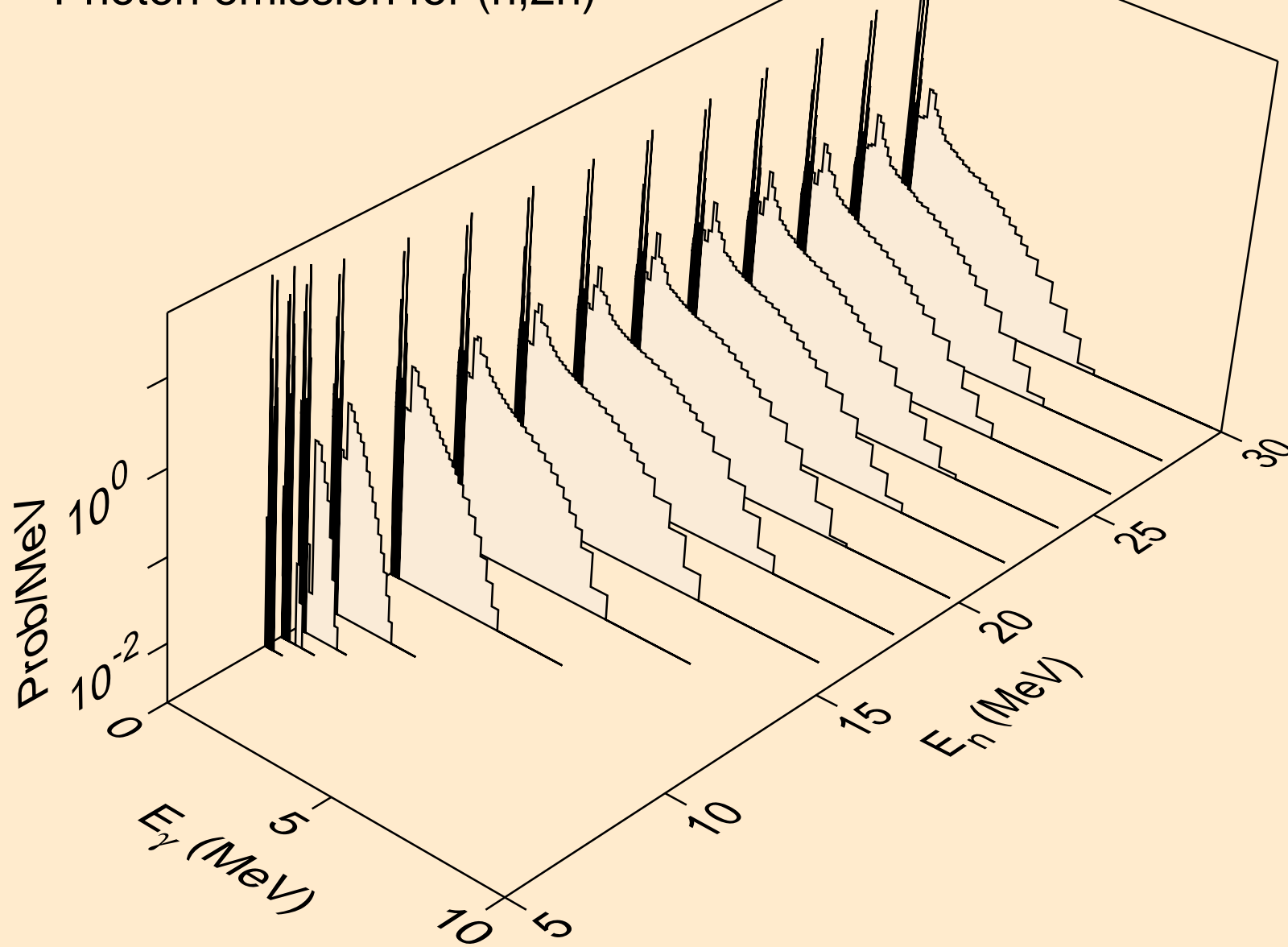
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Photon emission for (n,x)



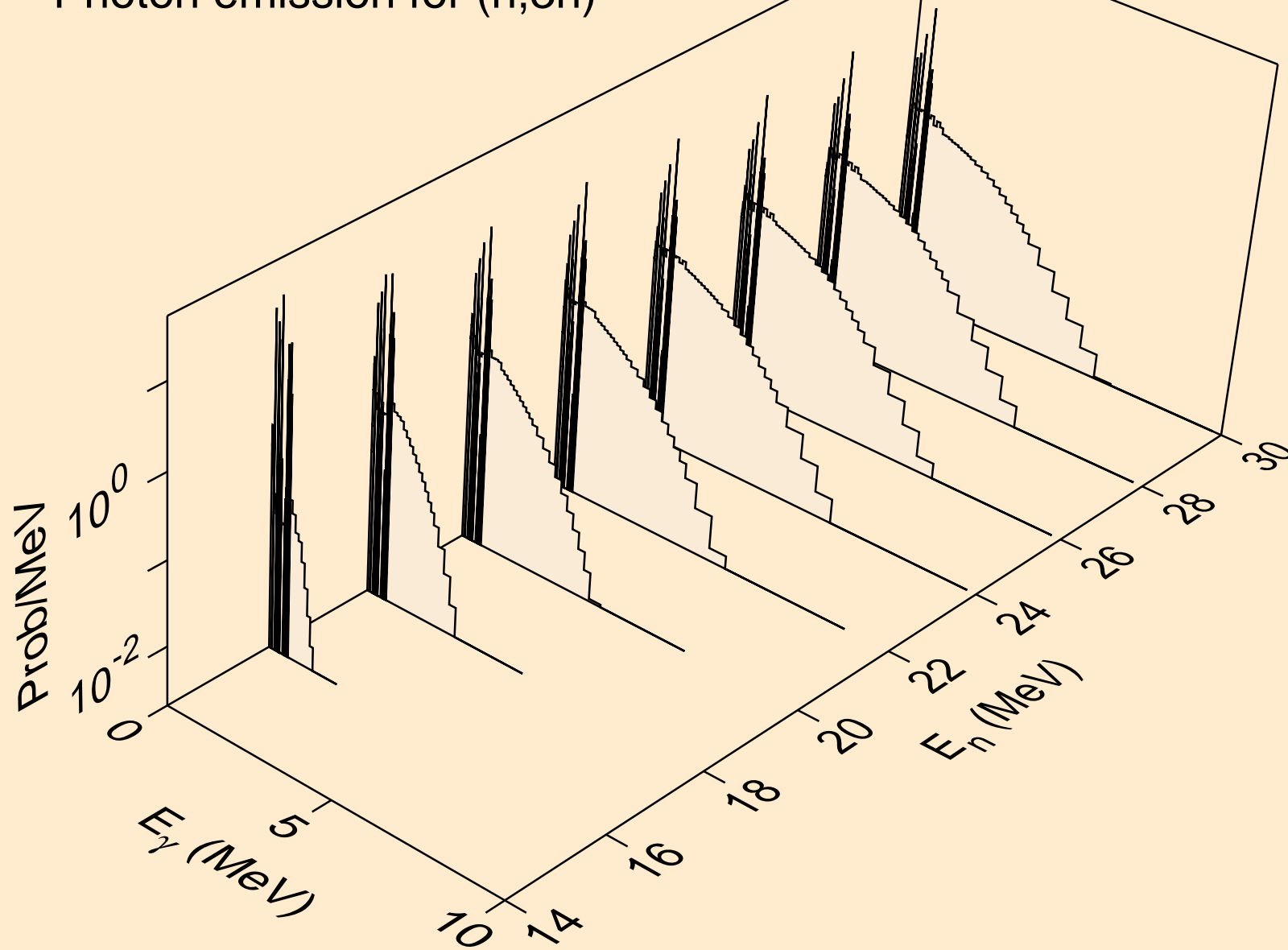
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Photon emission for (n,2nd)



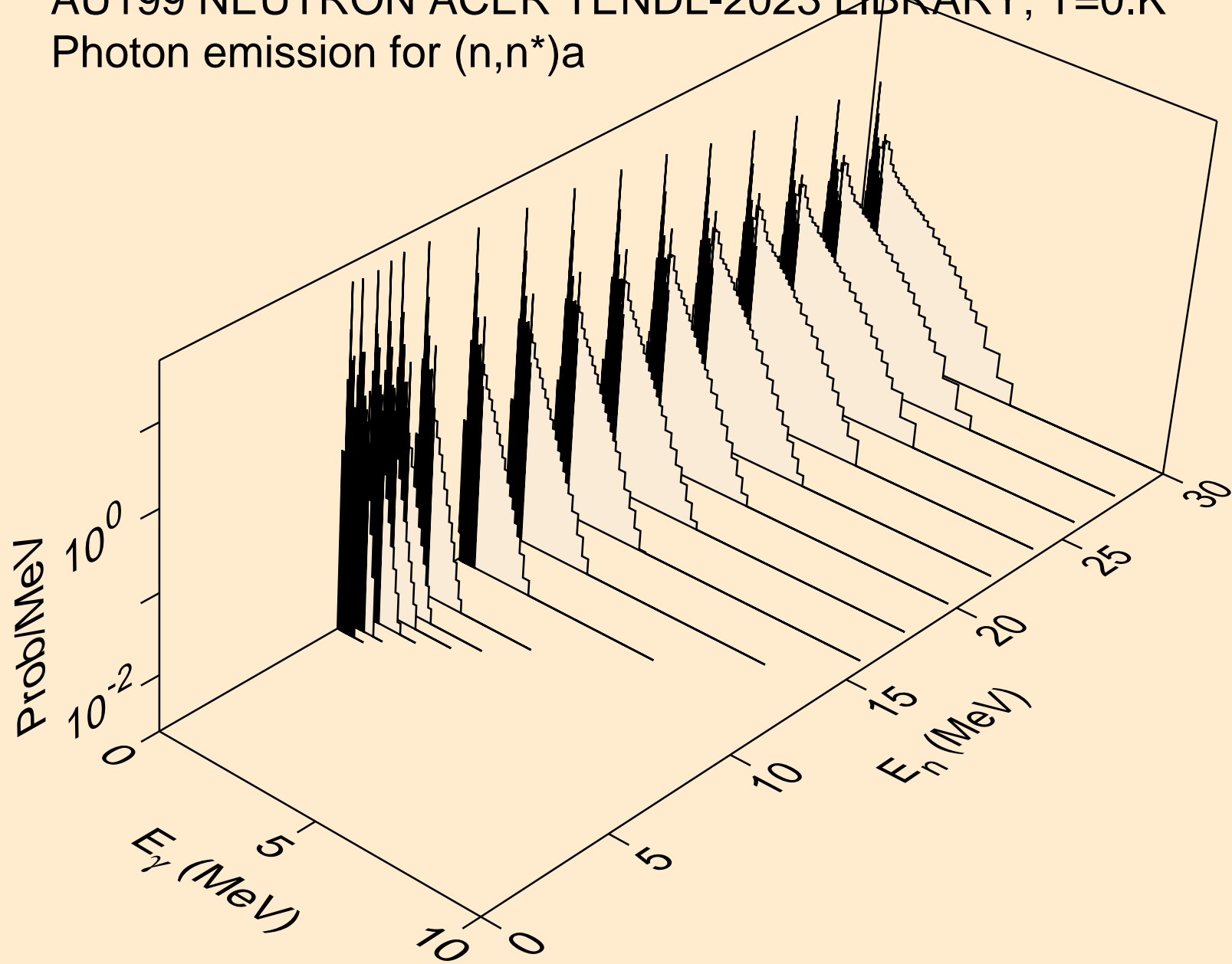
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

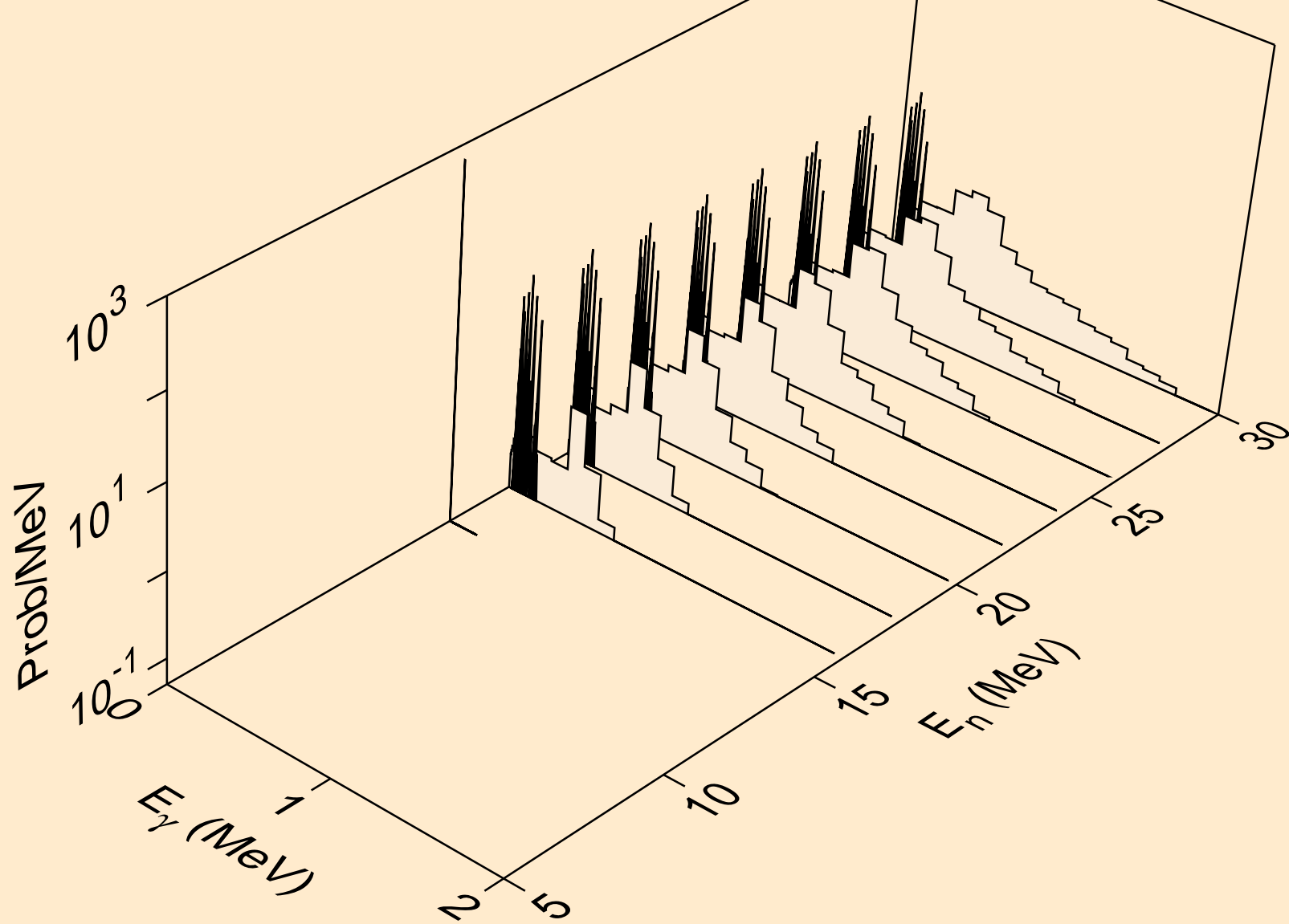


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

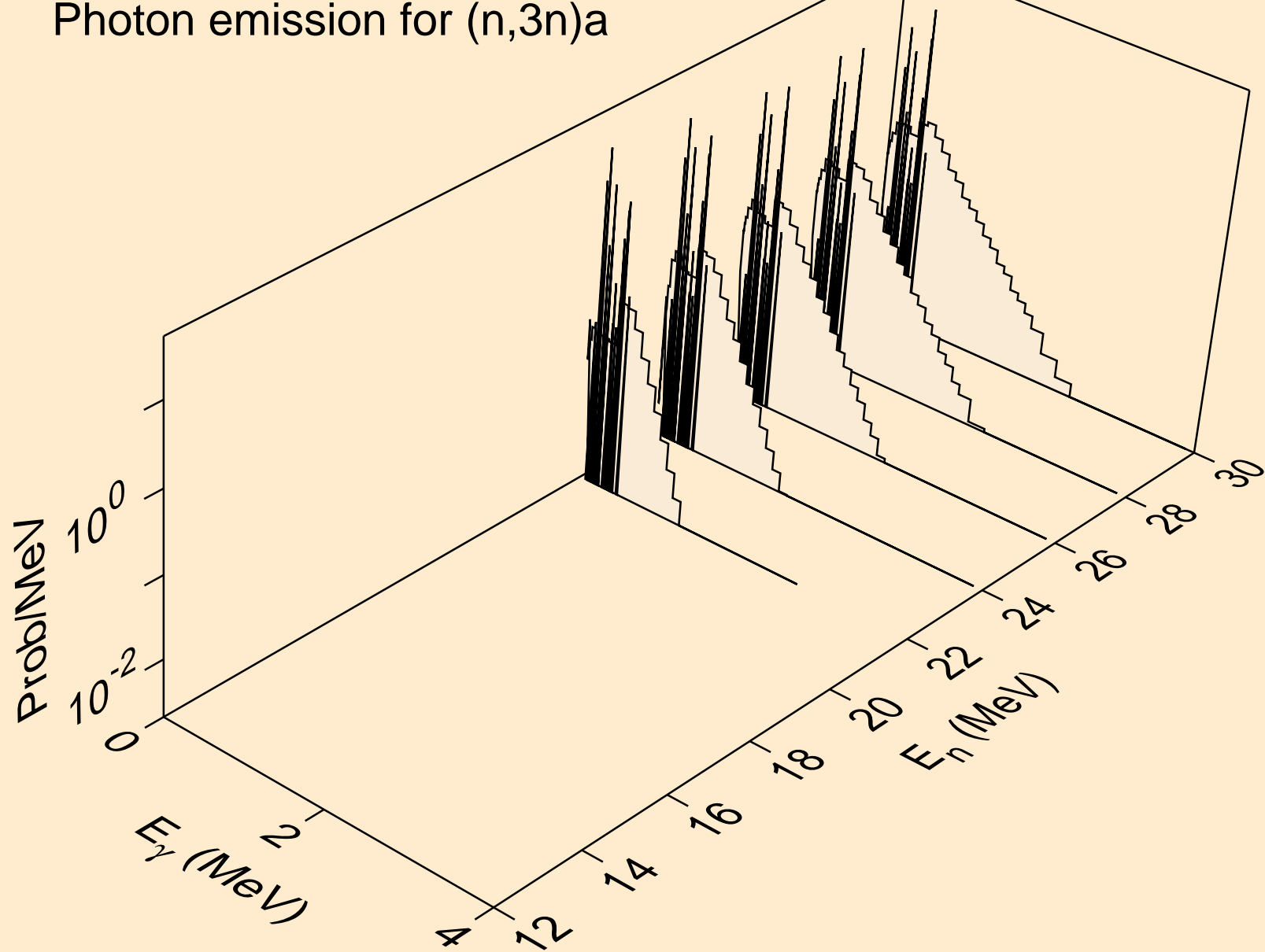




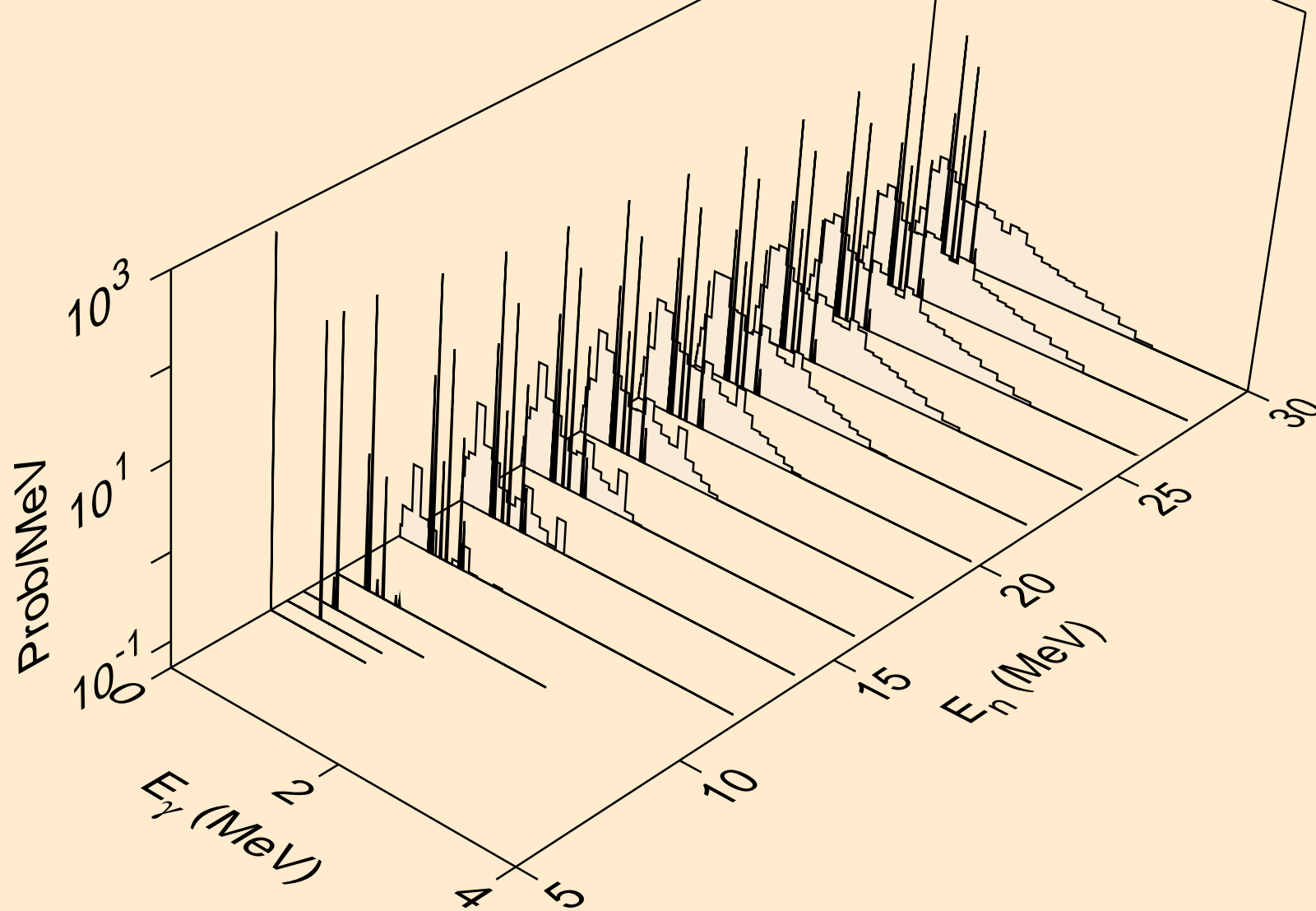
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Photon emission for (n,2n)a



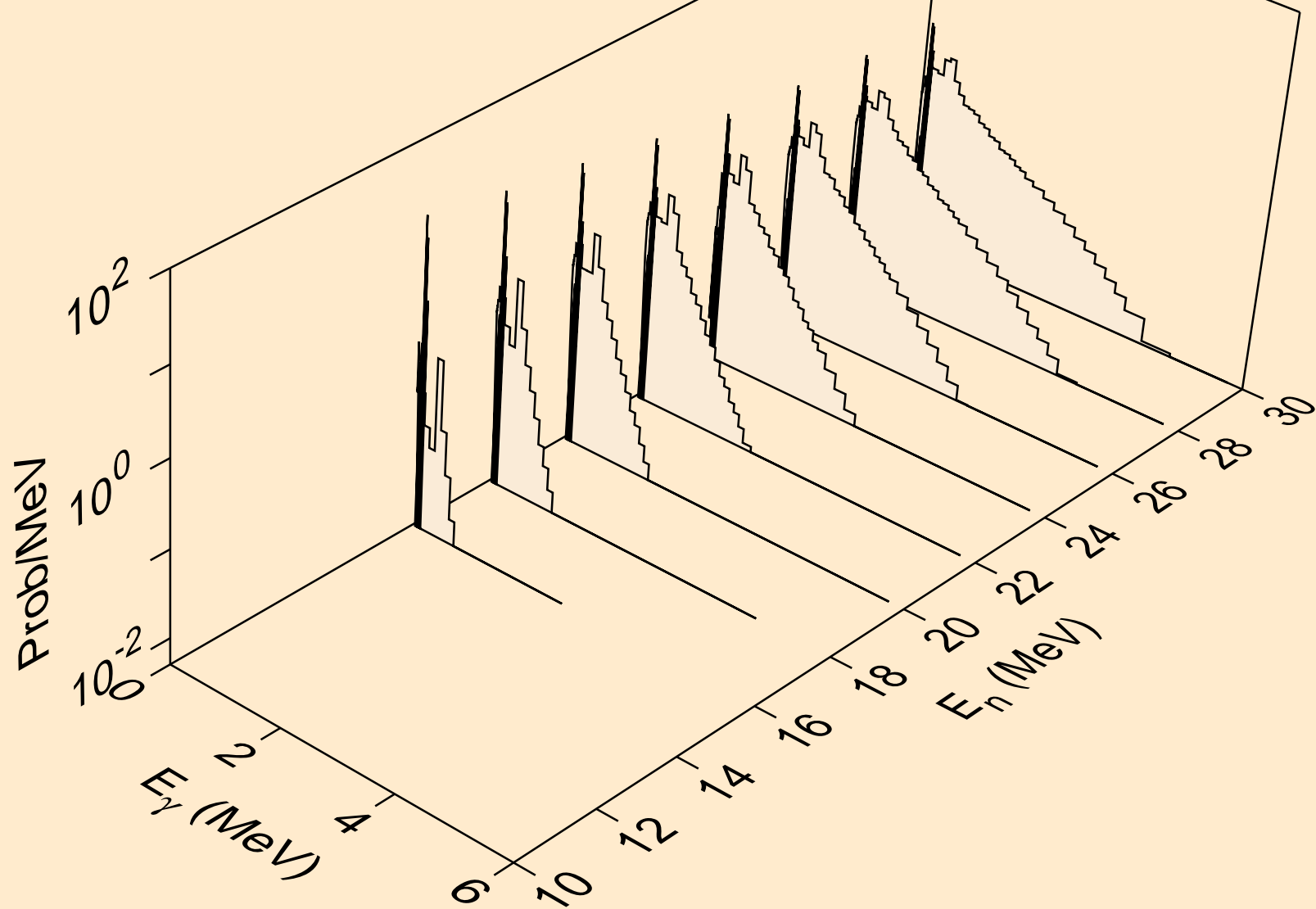
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



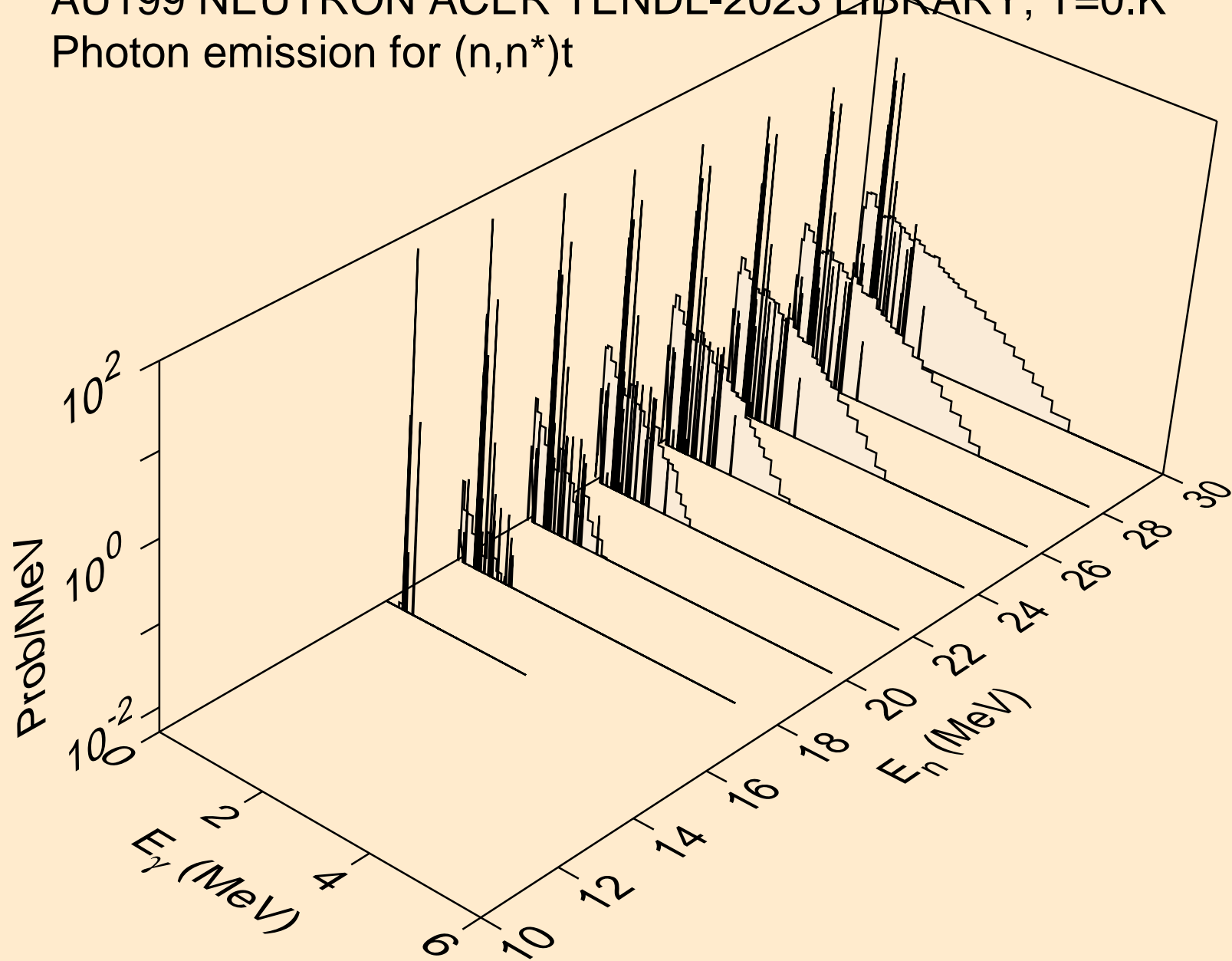
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



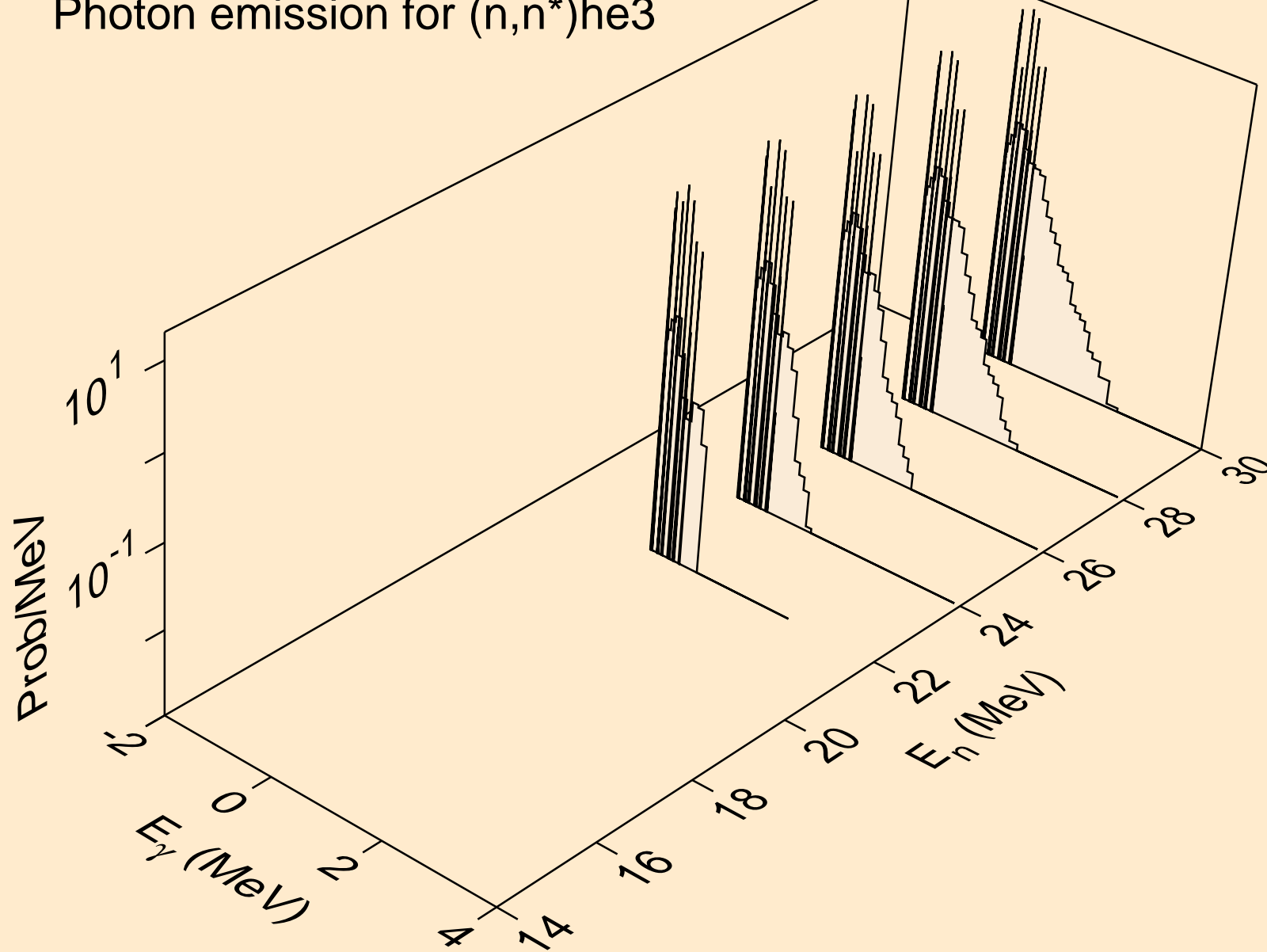
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



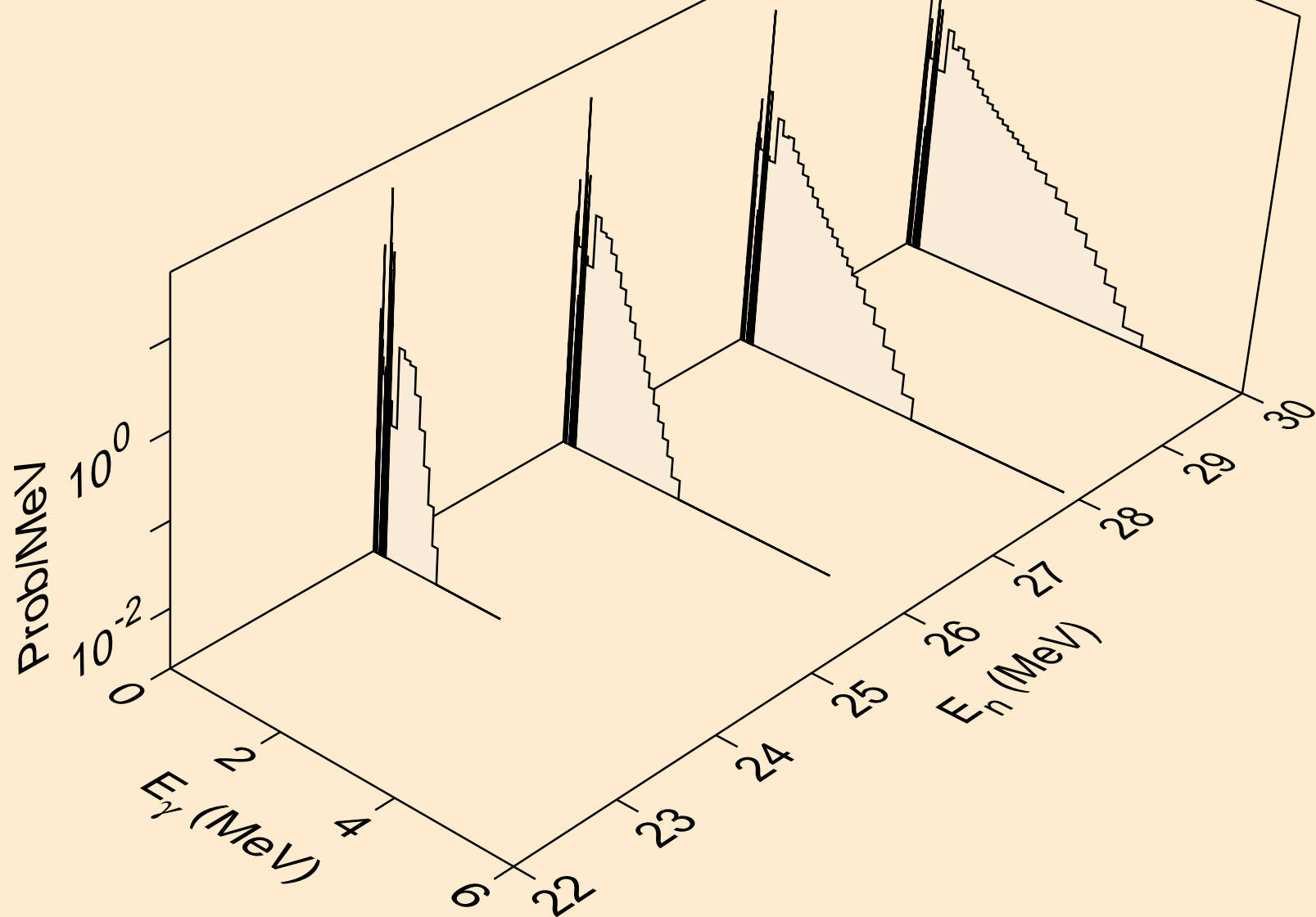
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



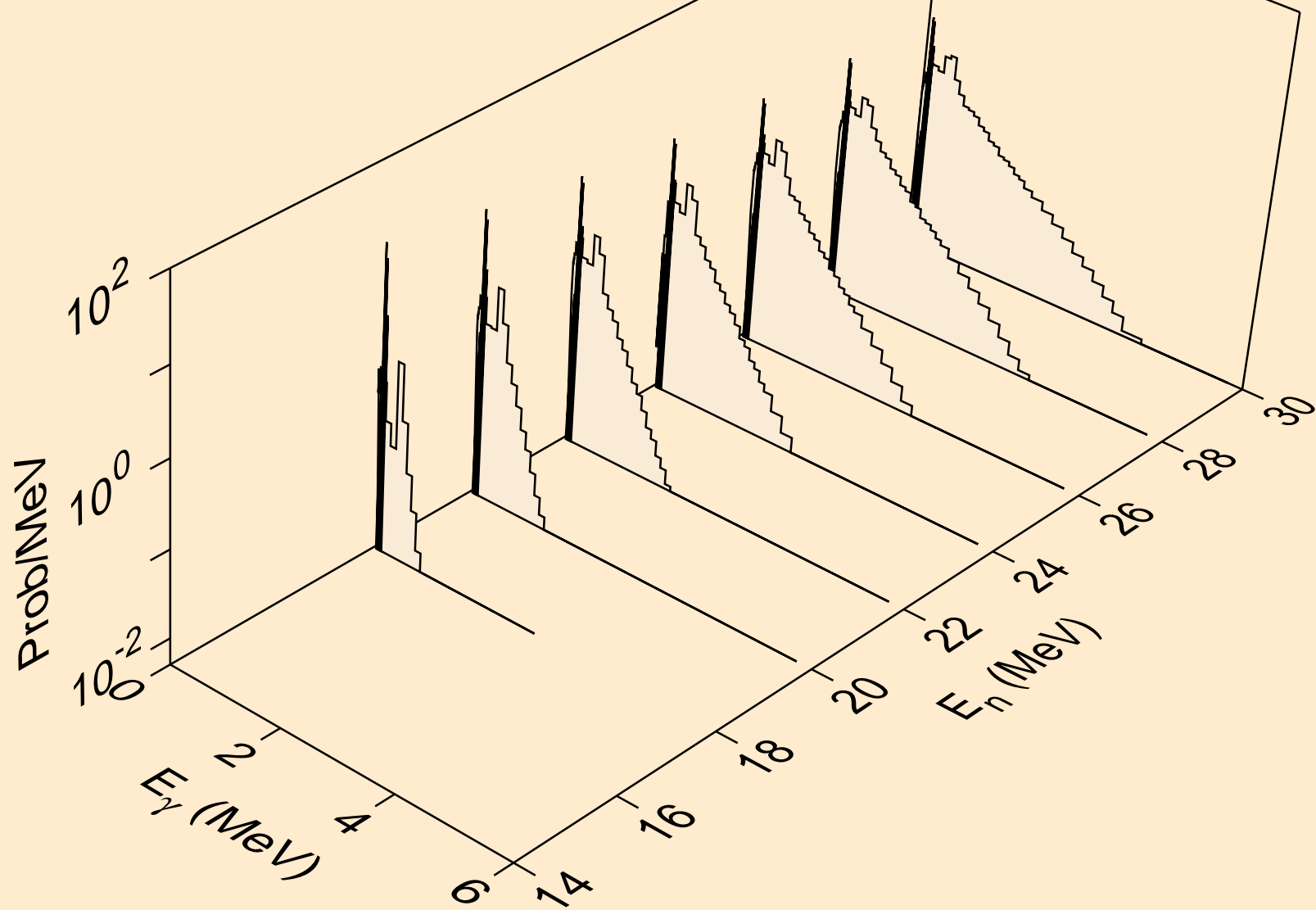
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

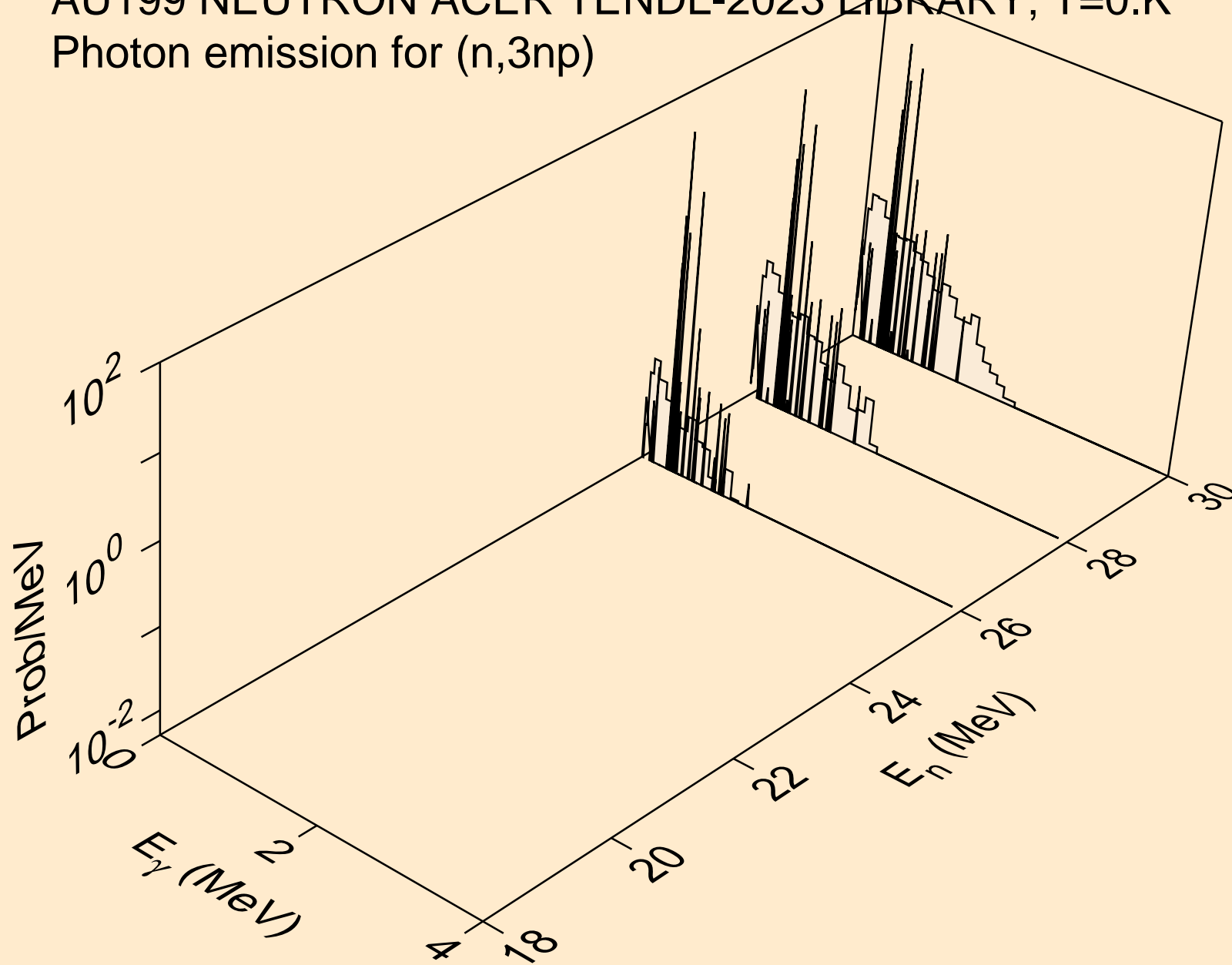


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Photon emission for (n,2np)

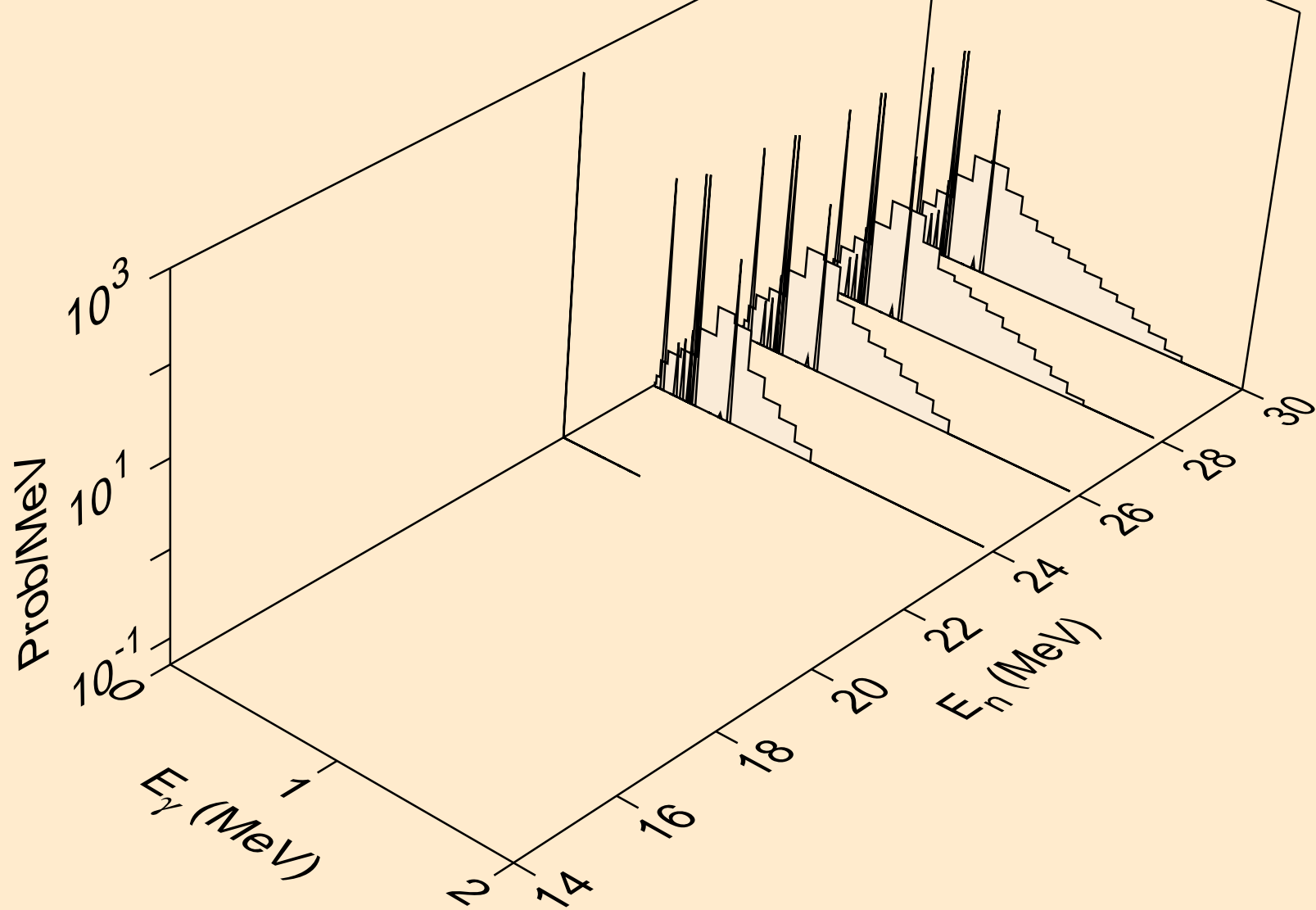




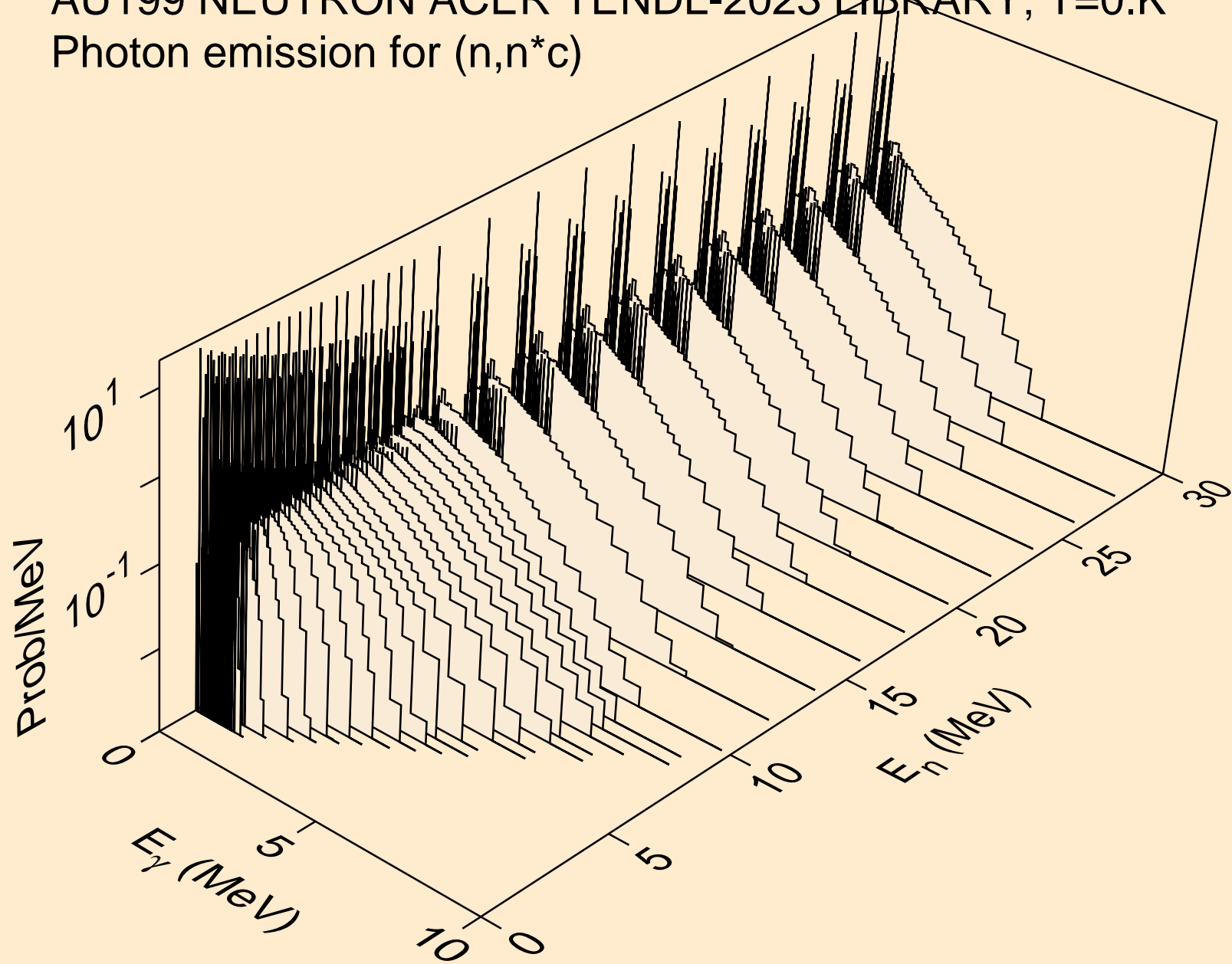
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Photon emission for (n,3np)



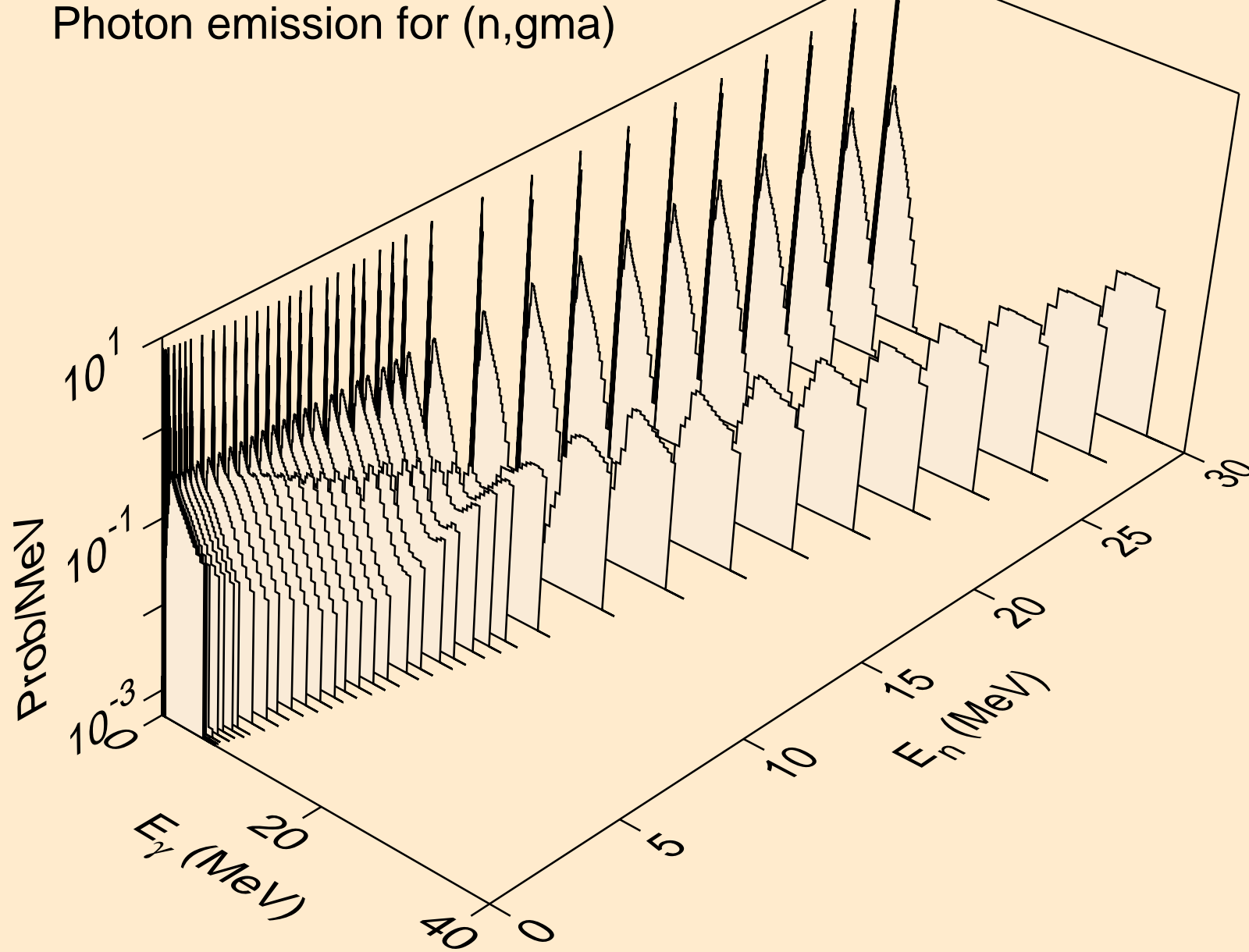
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Photon emission for (n,n2p)



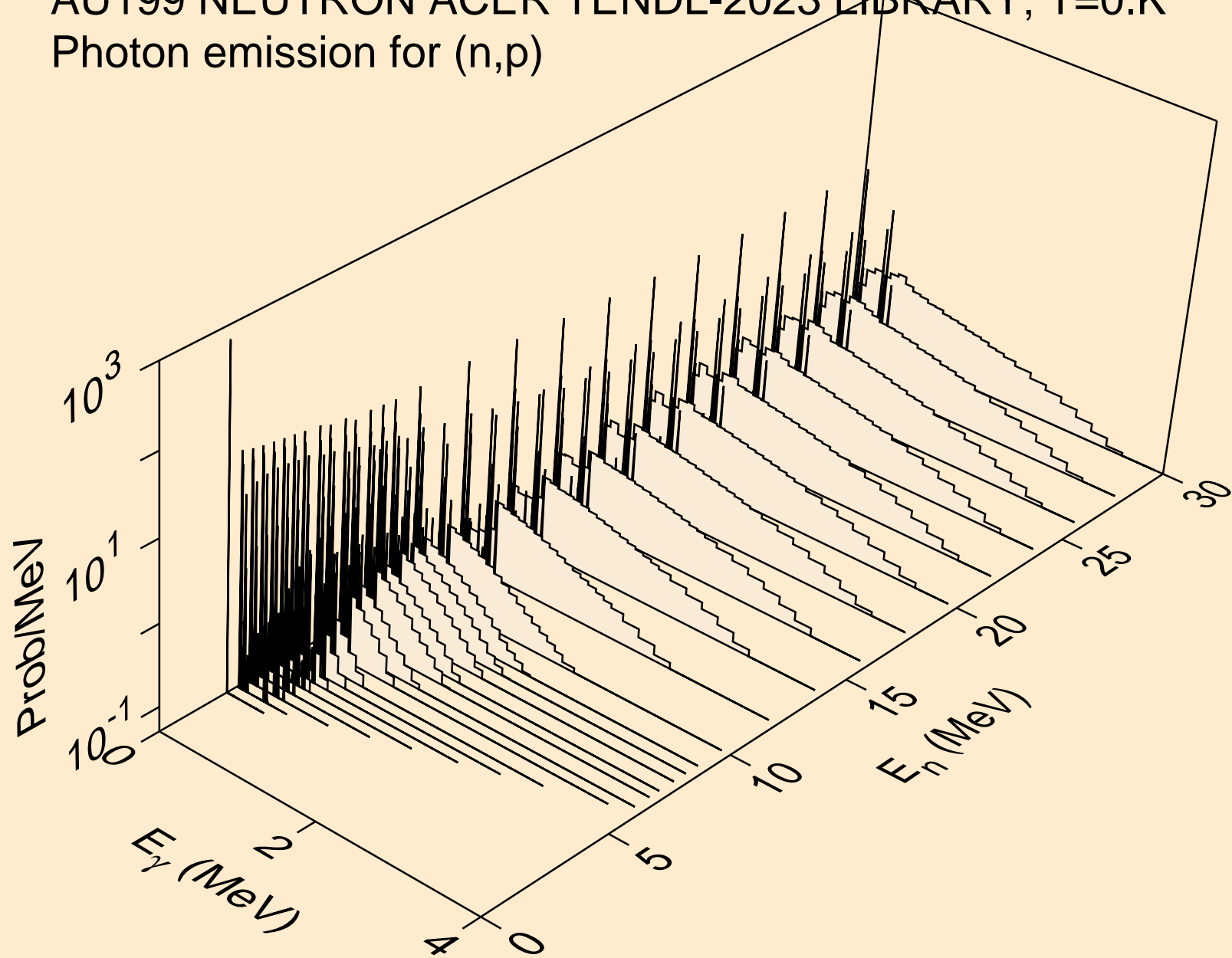
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Photon emission for (n,n\*c)



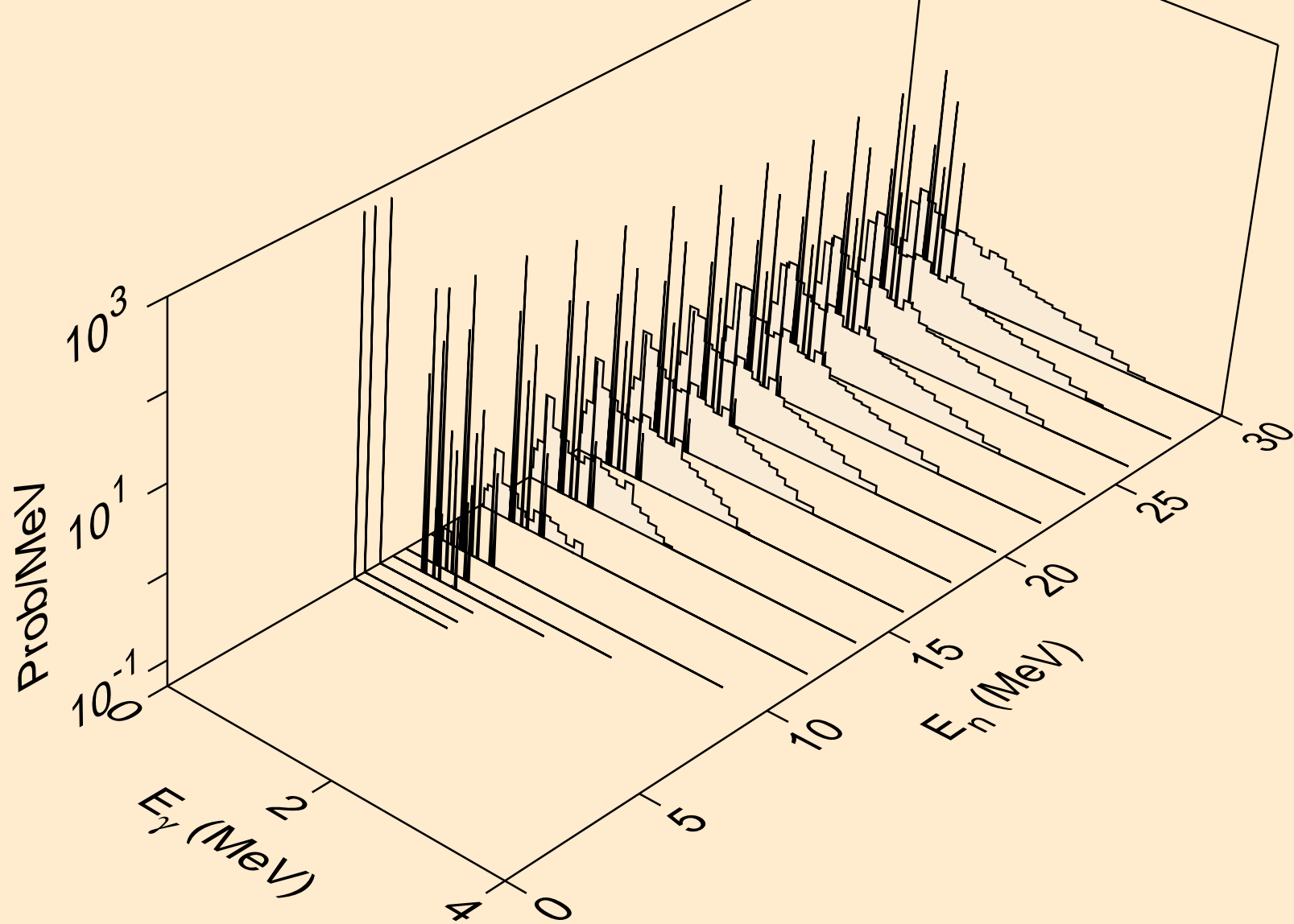
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Photon emission for (n,gma)



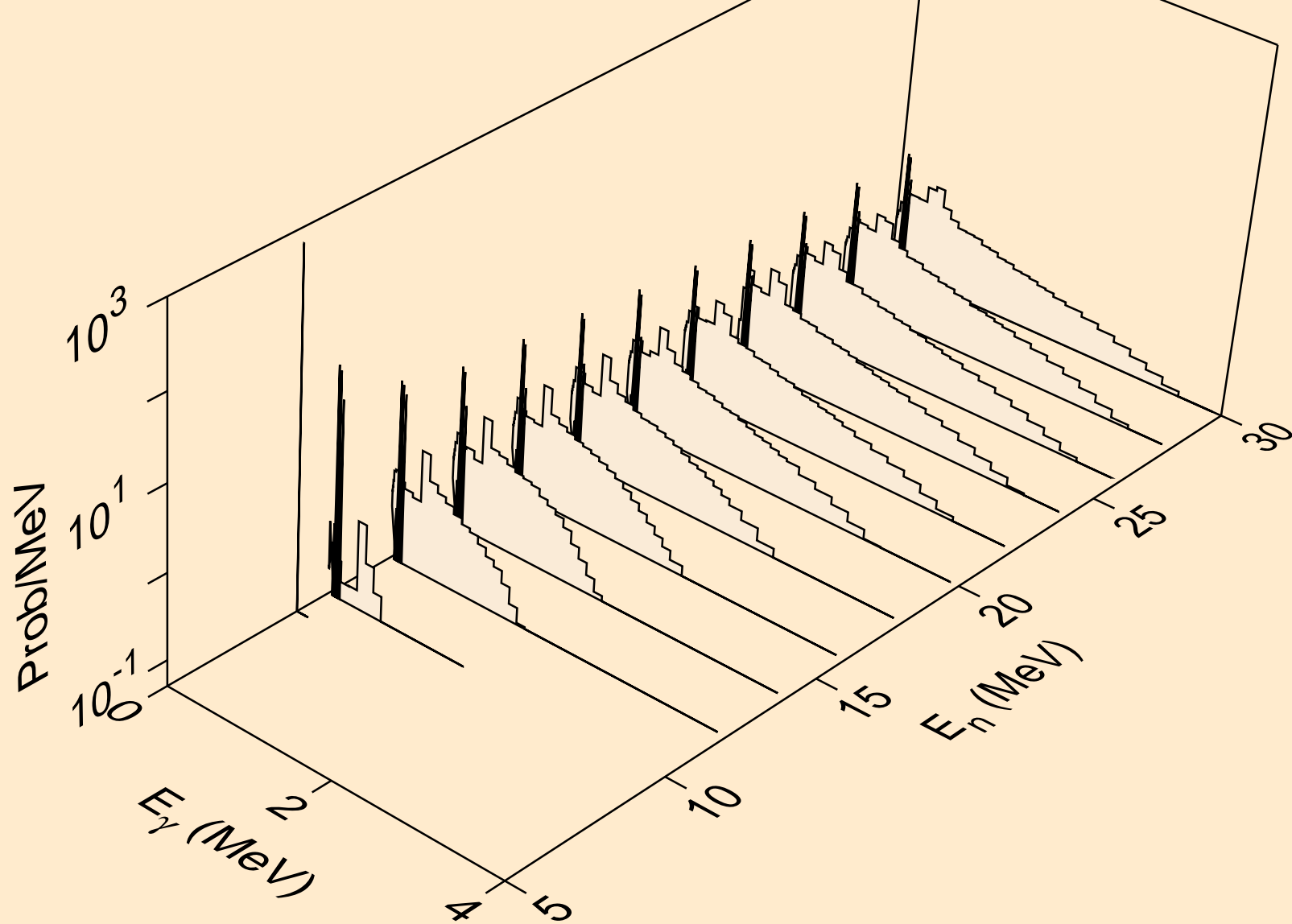
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Photon emission for (n,p)



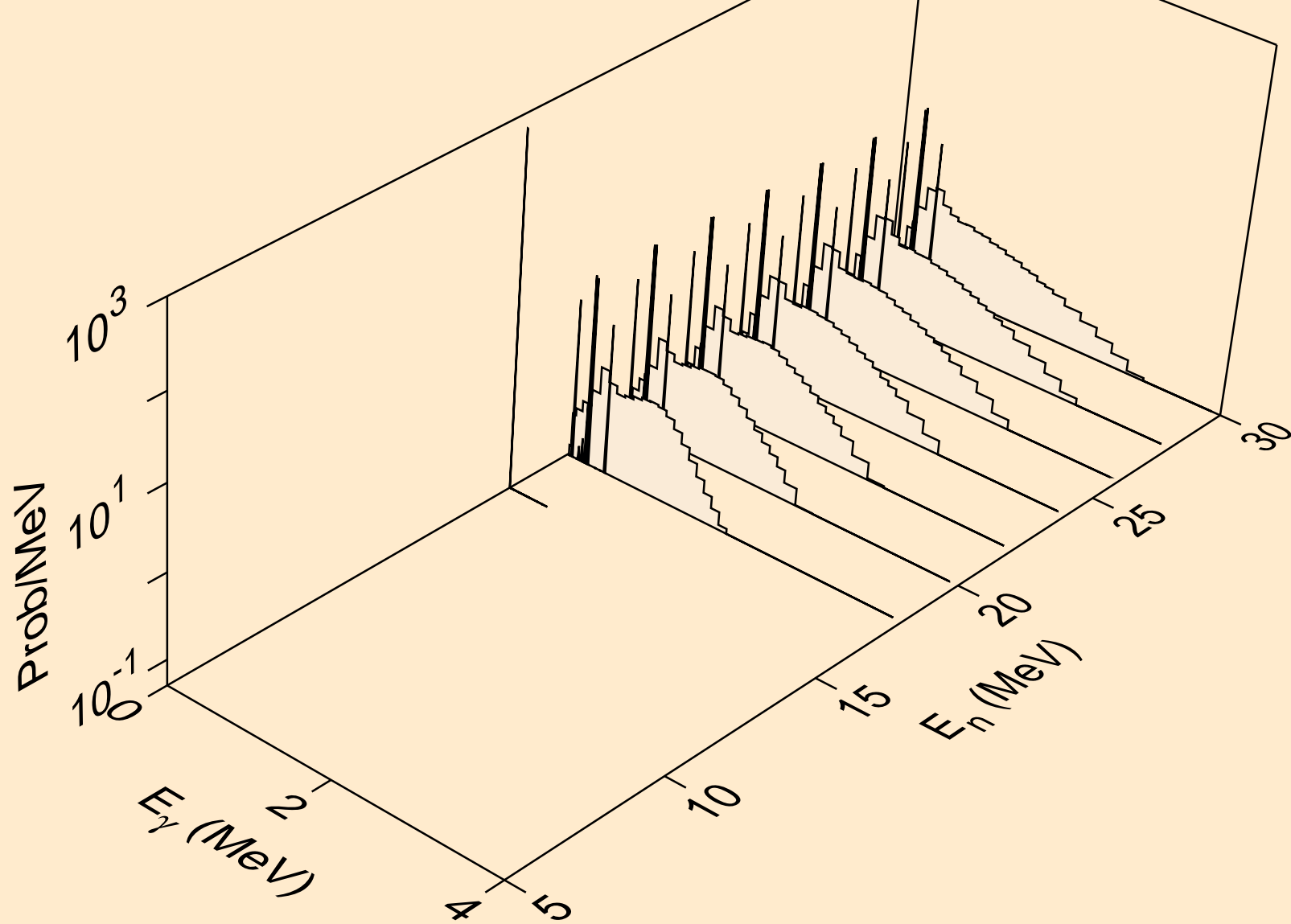
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

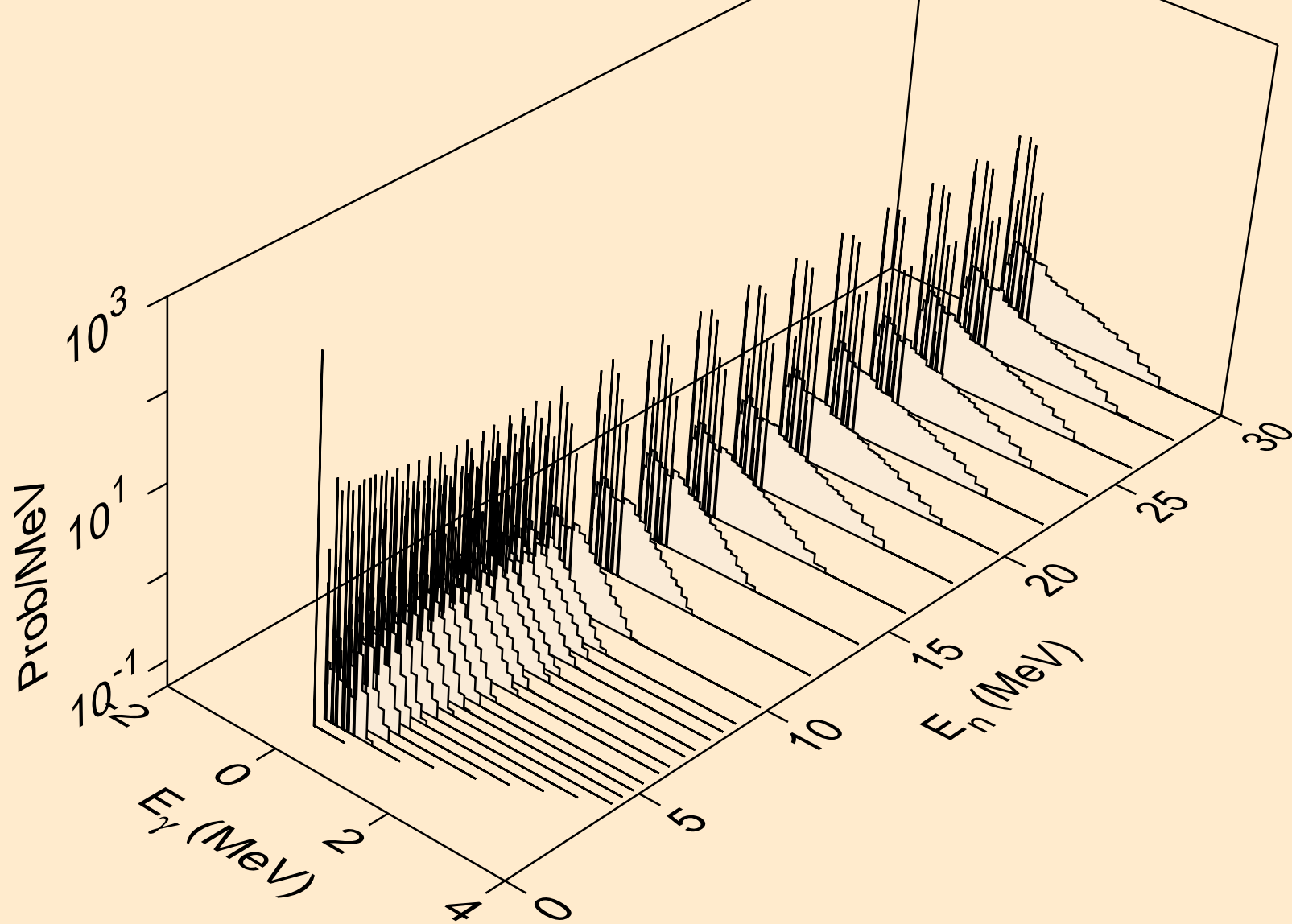


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

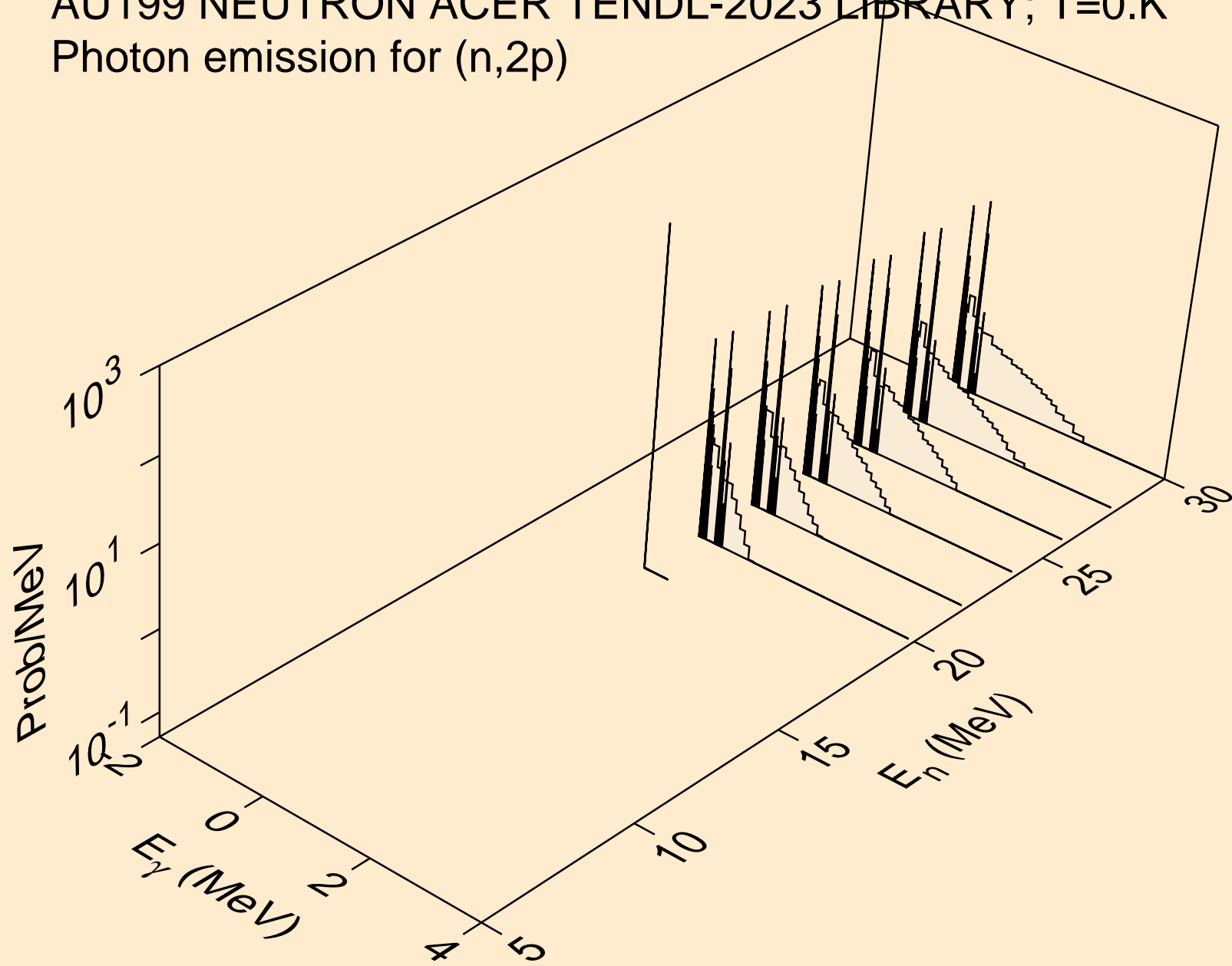




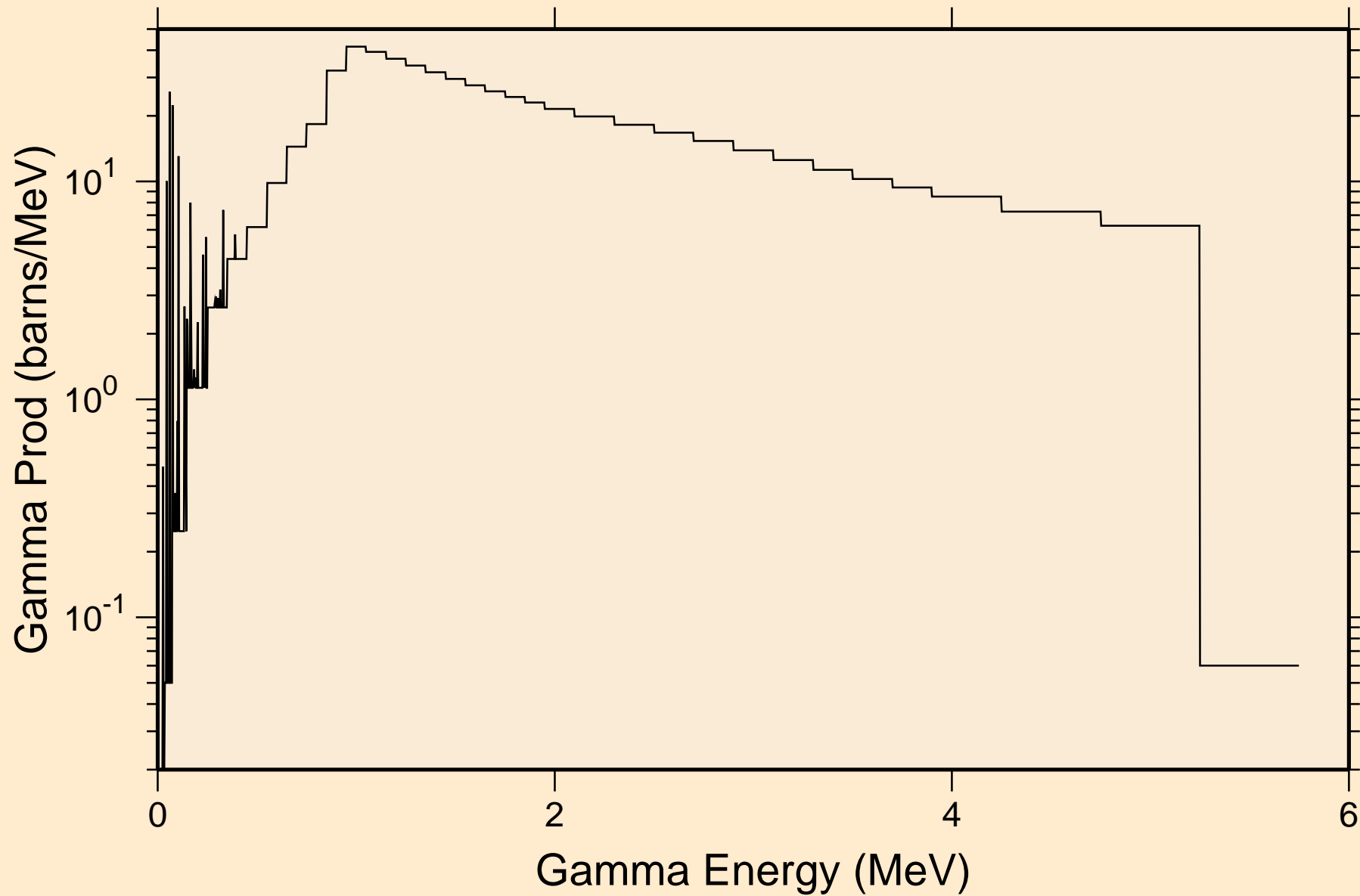
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Photon emission for (n,a)



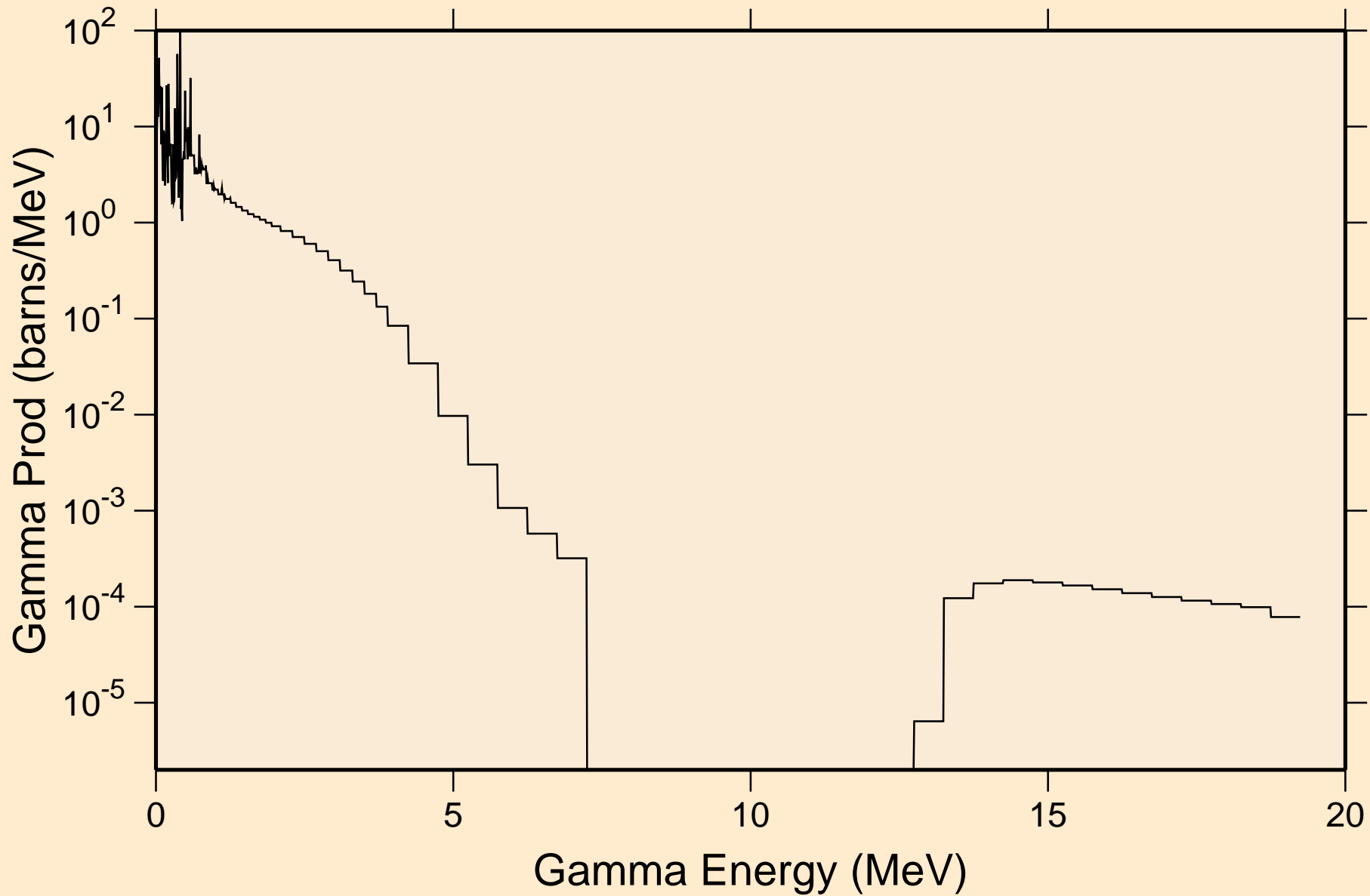
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

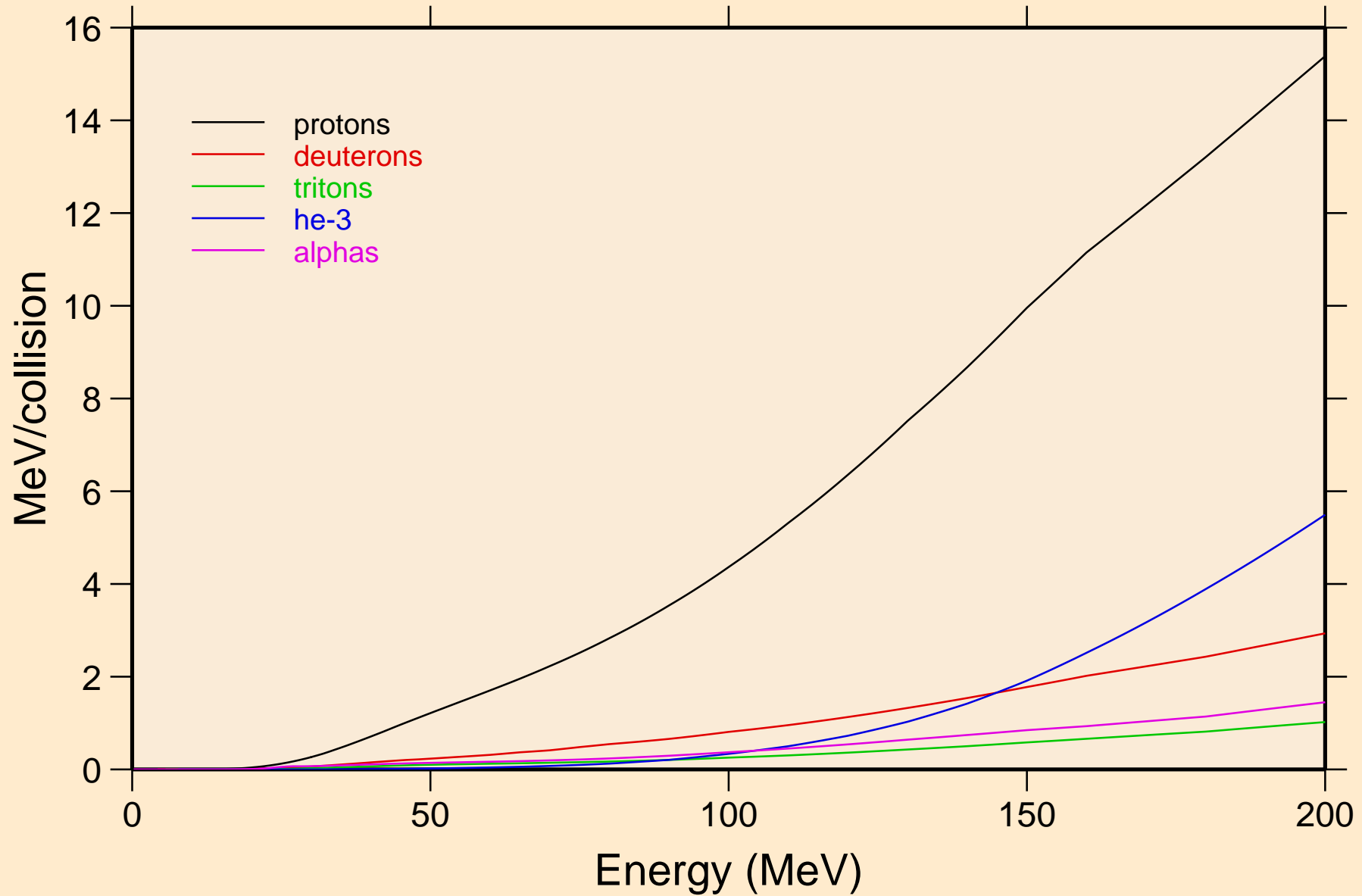


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

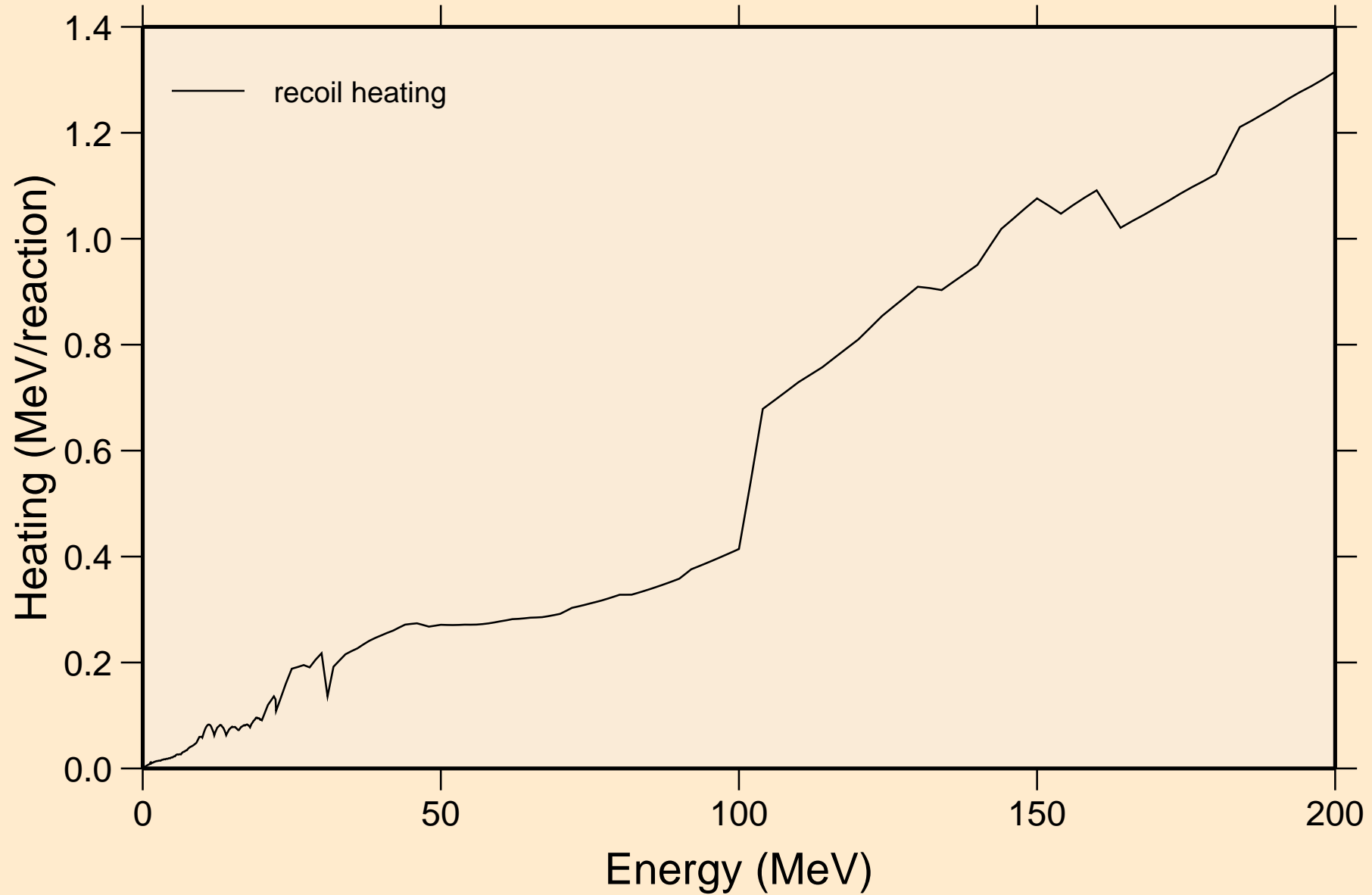


# AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

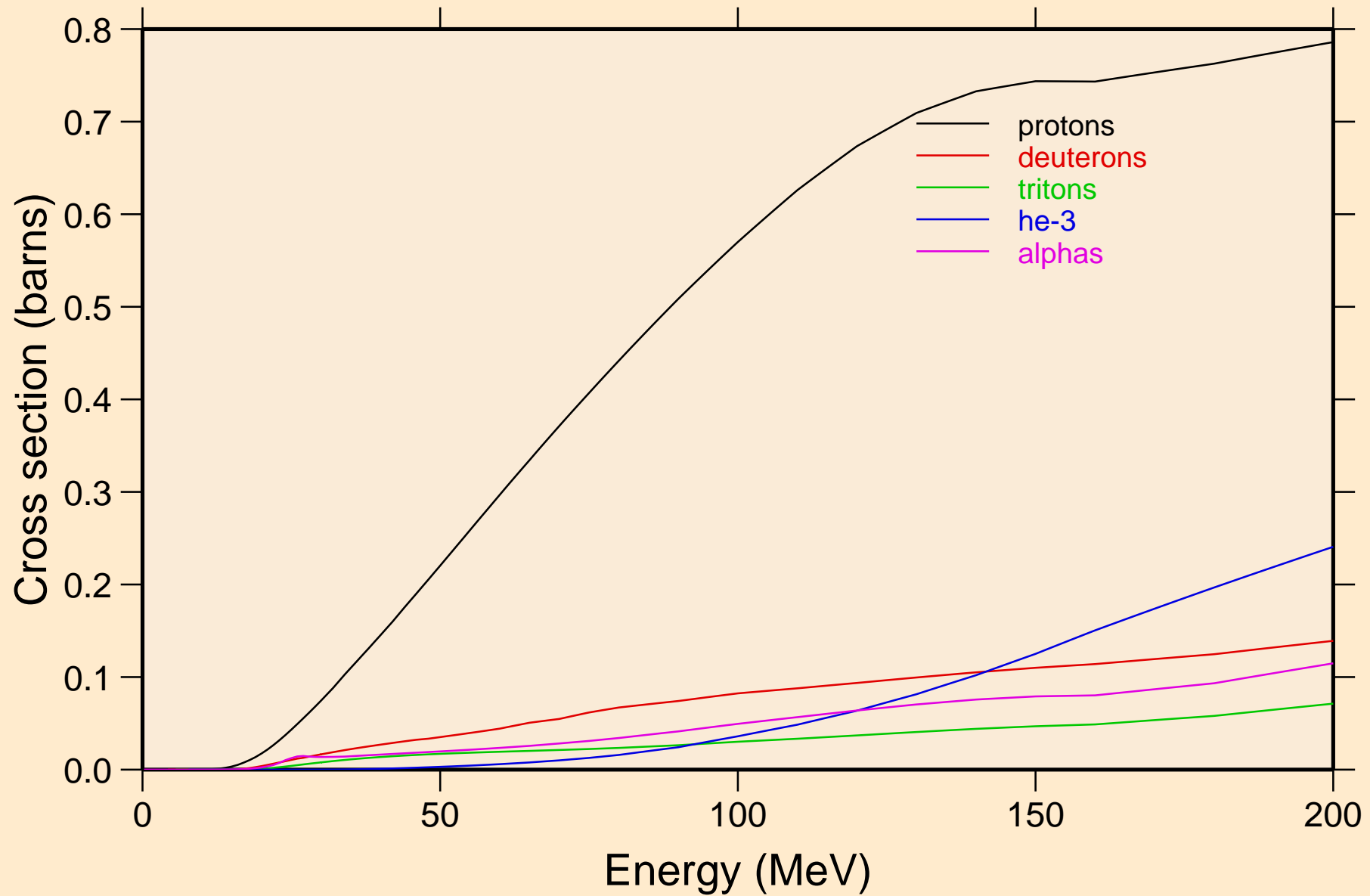
## Particle heating contributions



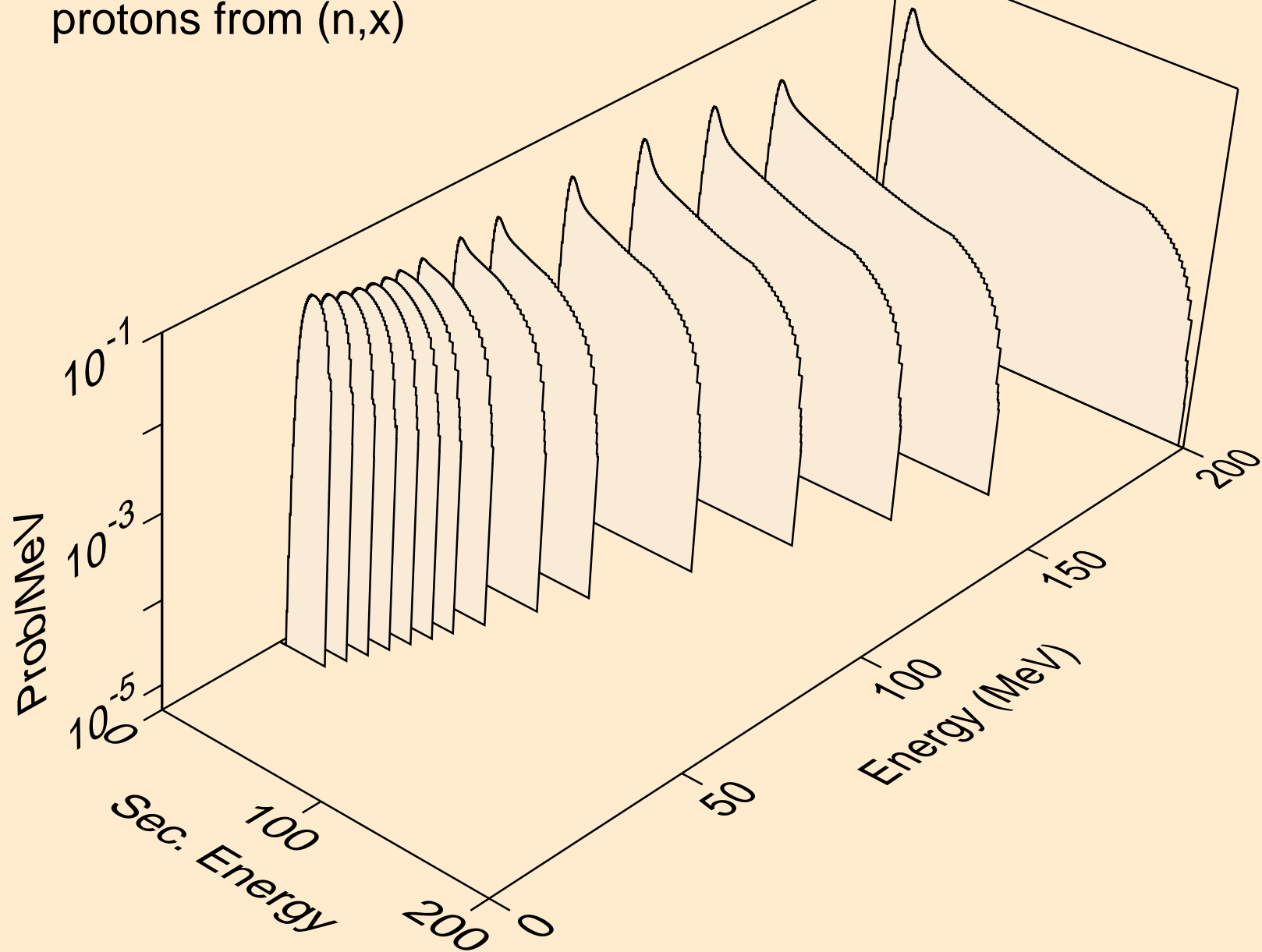
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Recoil Heating



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

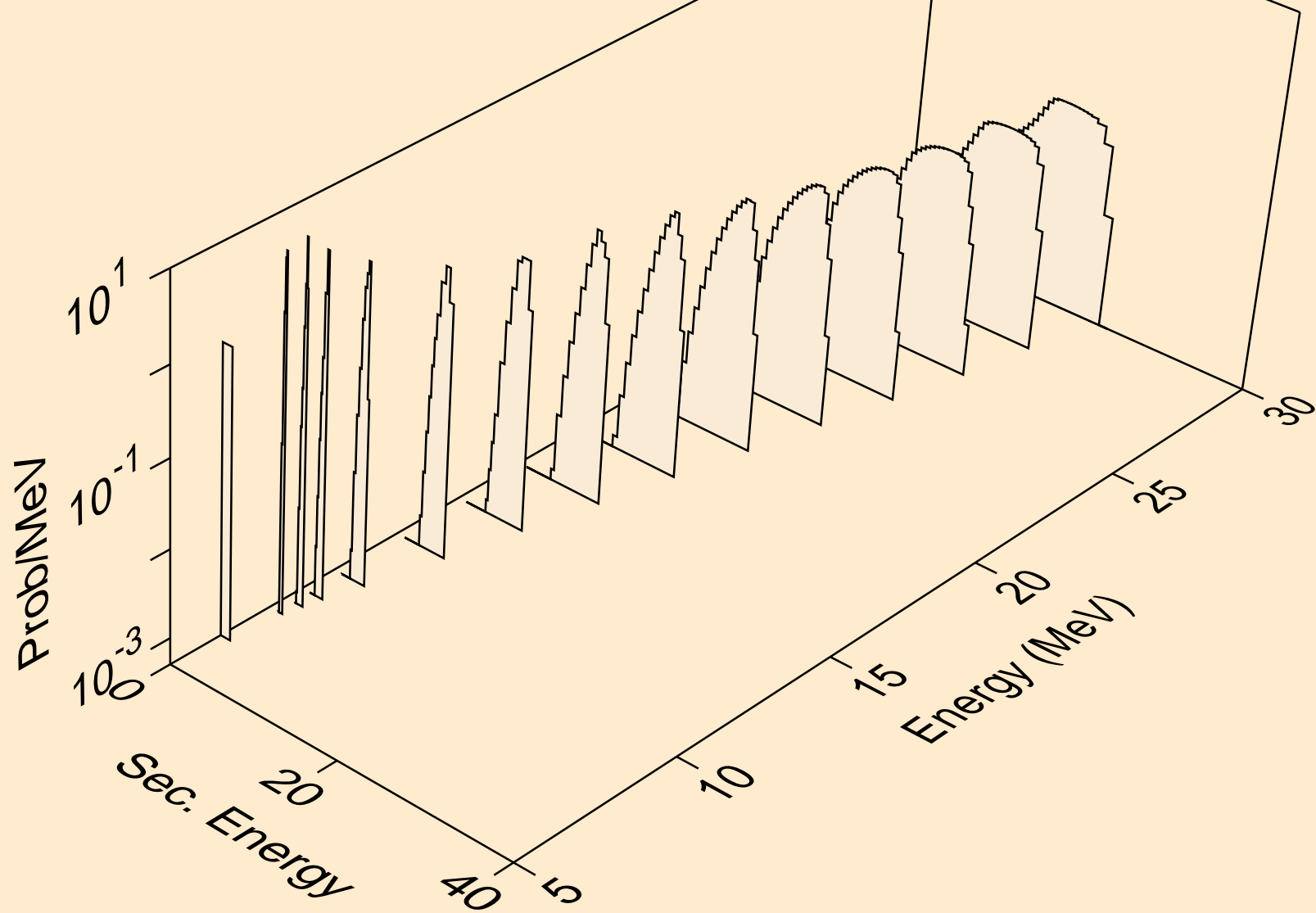


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

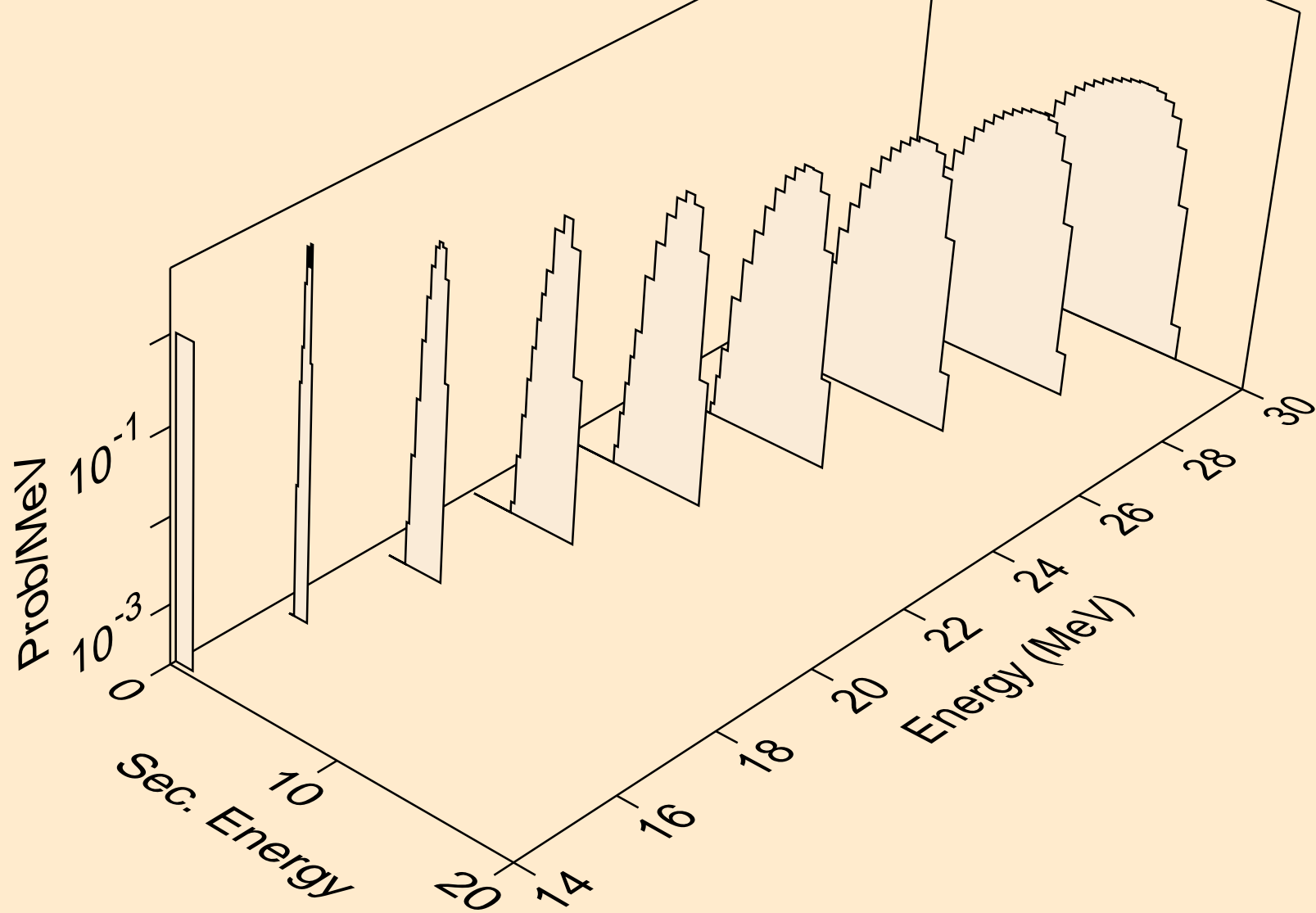




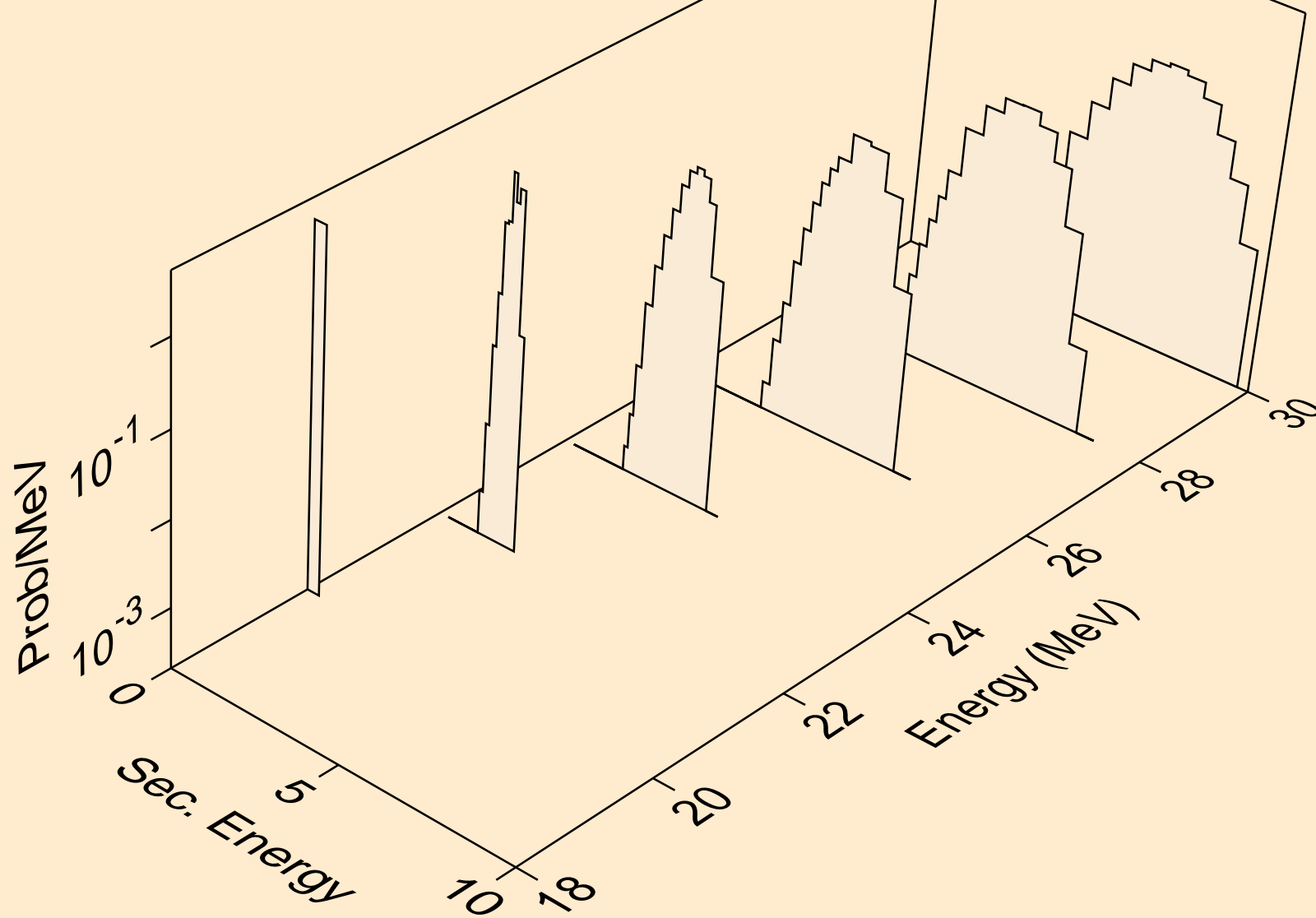
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



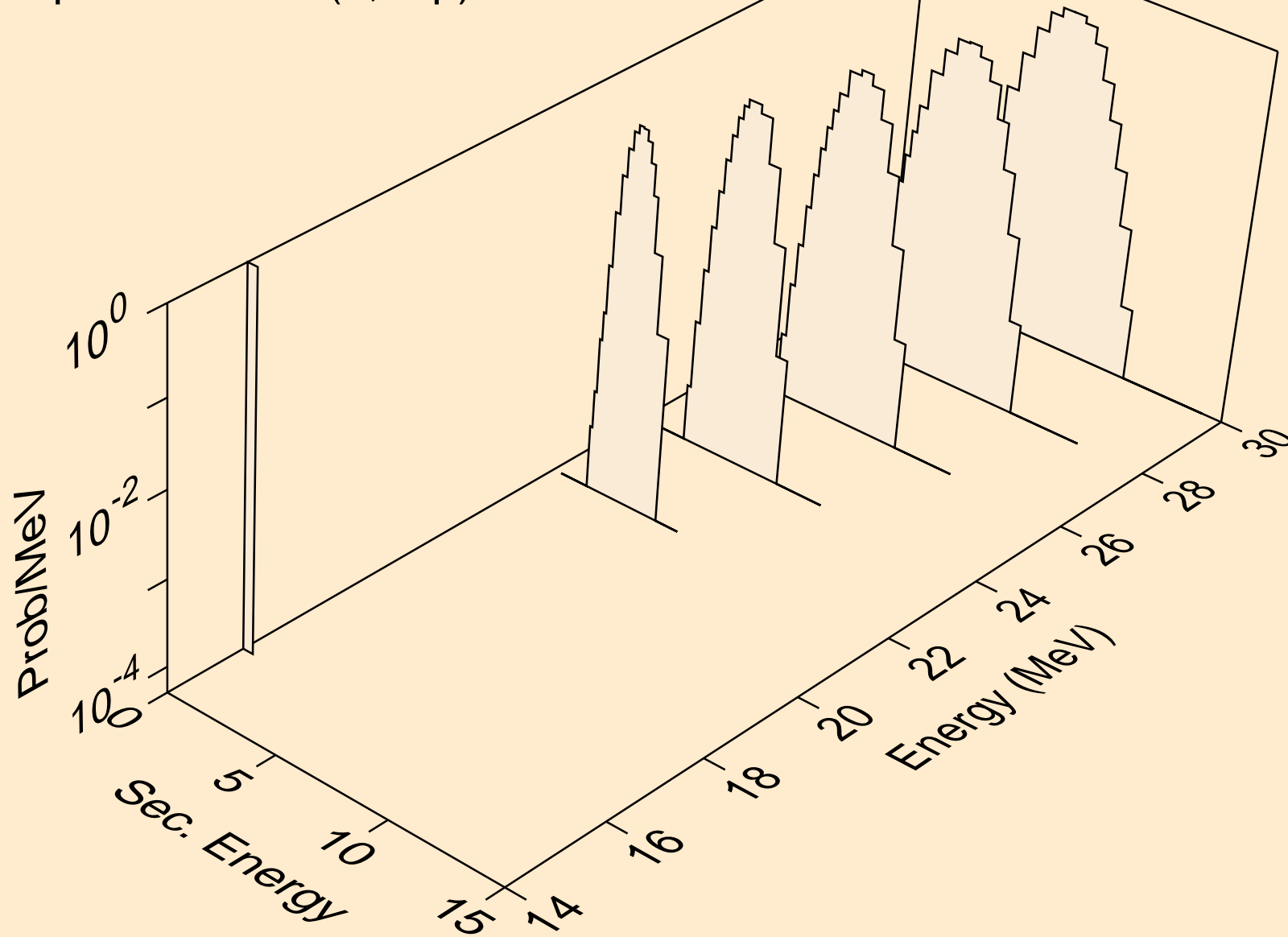
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protons from (n,2np)



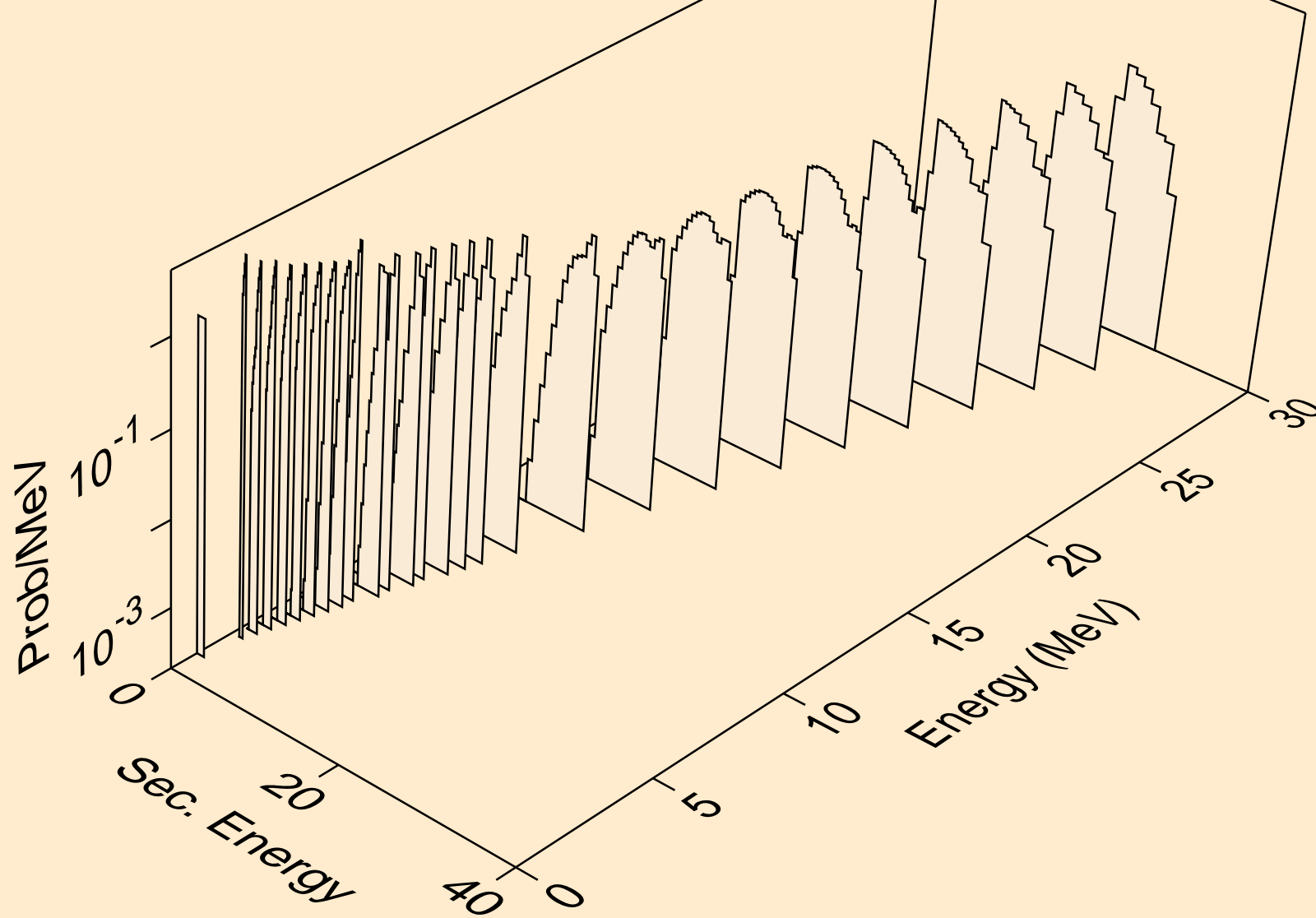
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protons from (n,3np)



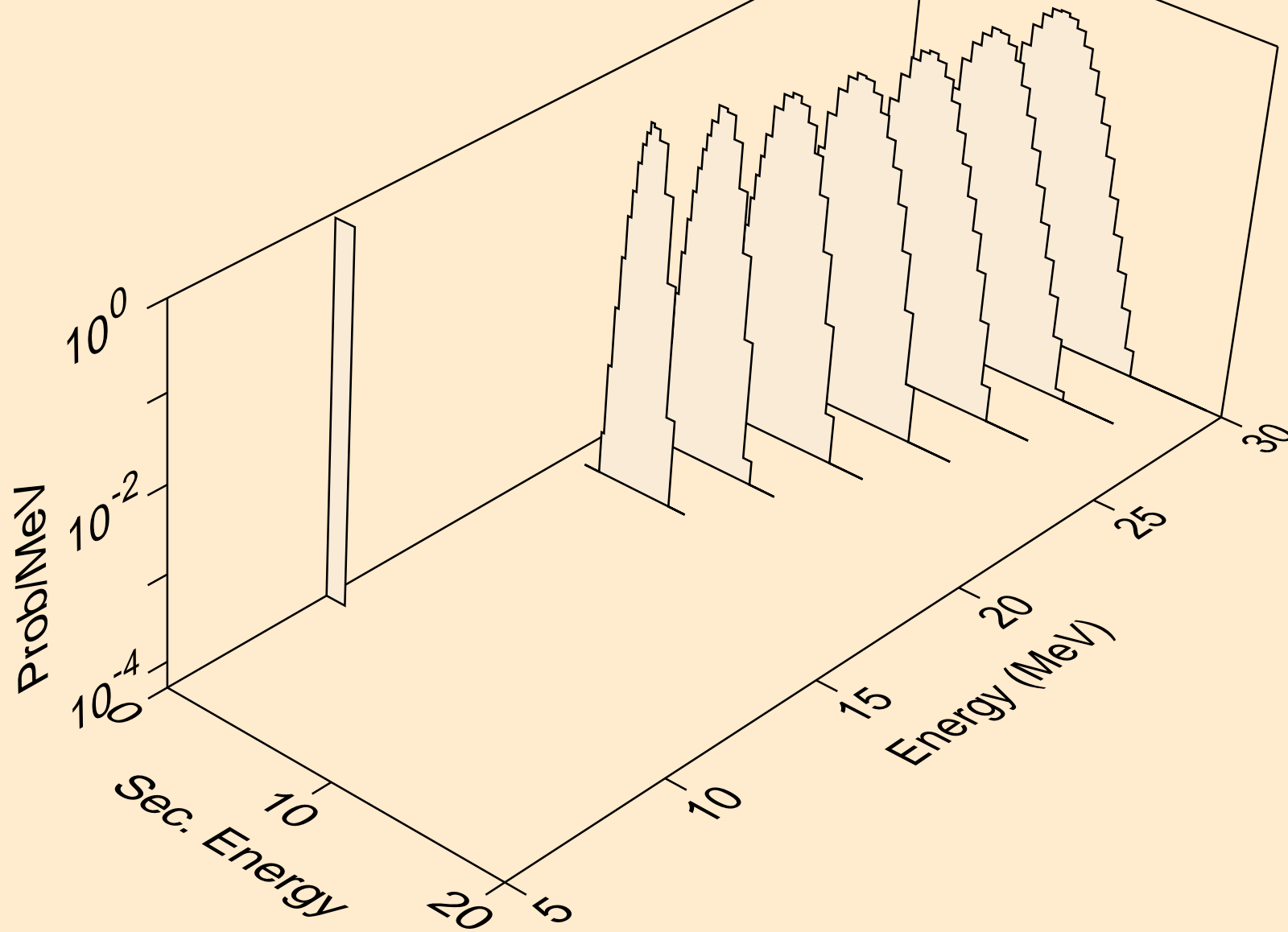
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protons from (n,n2p)



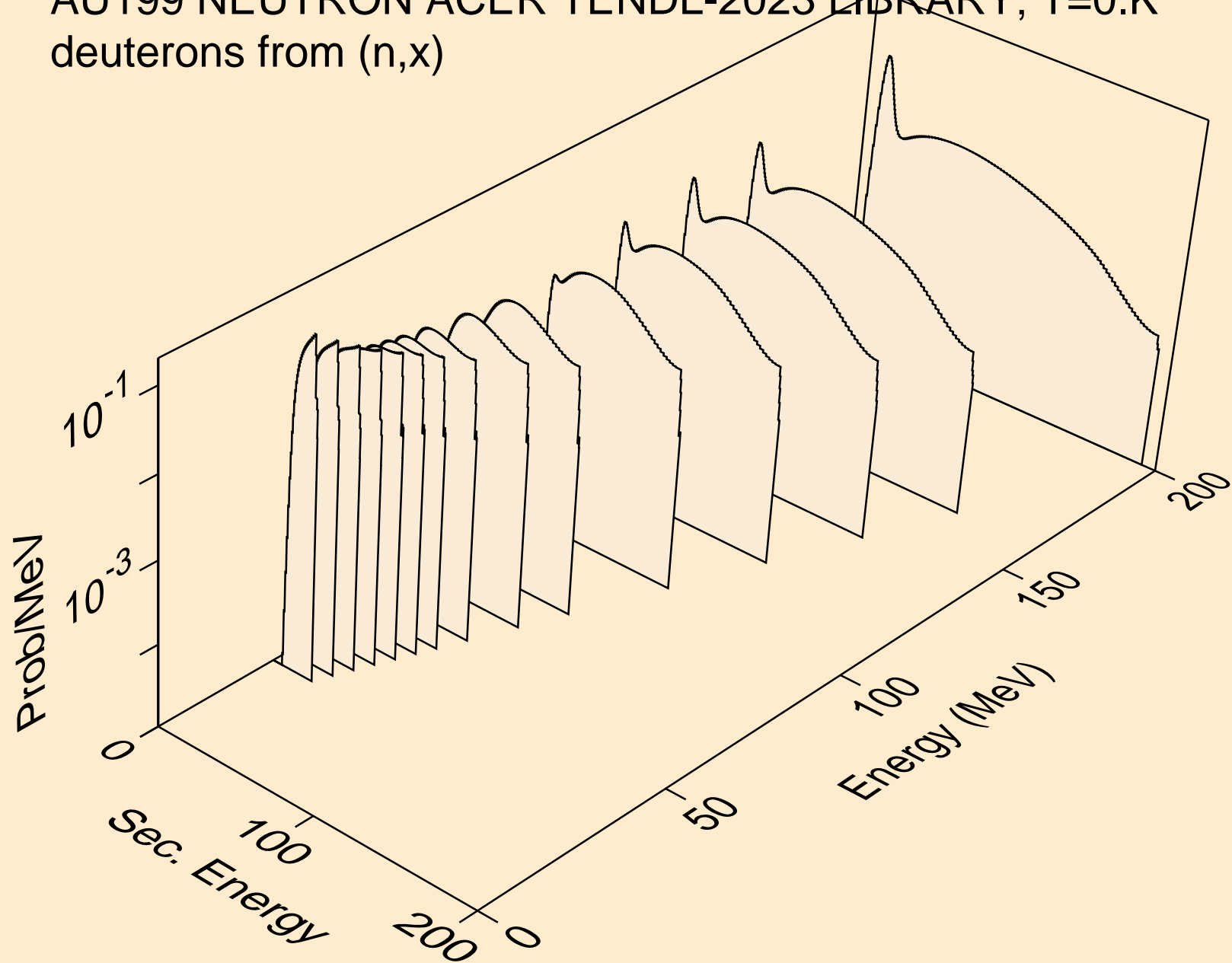
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protons from (n,p)



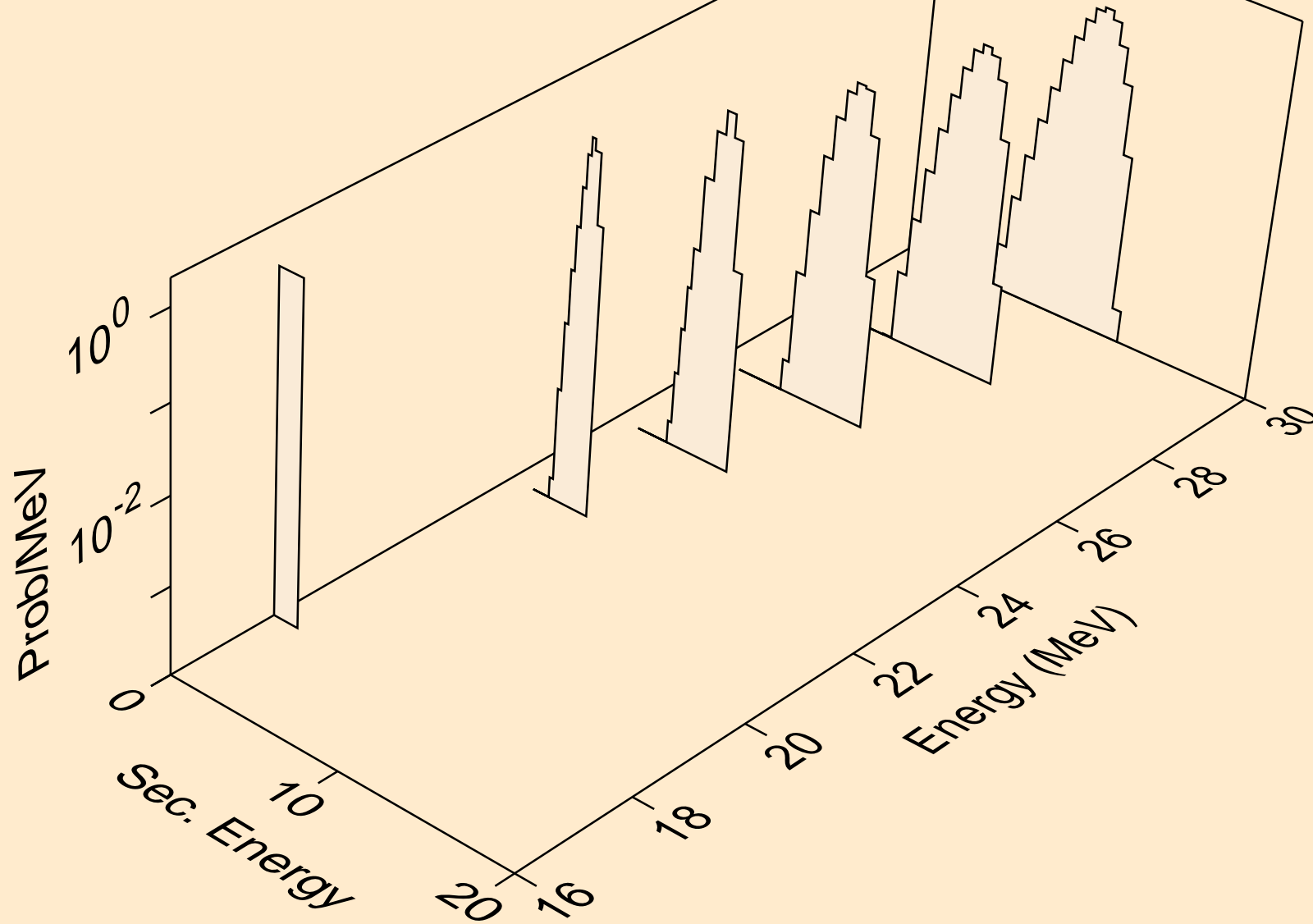
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

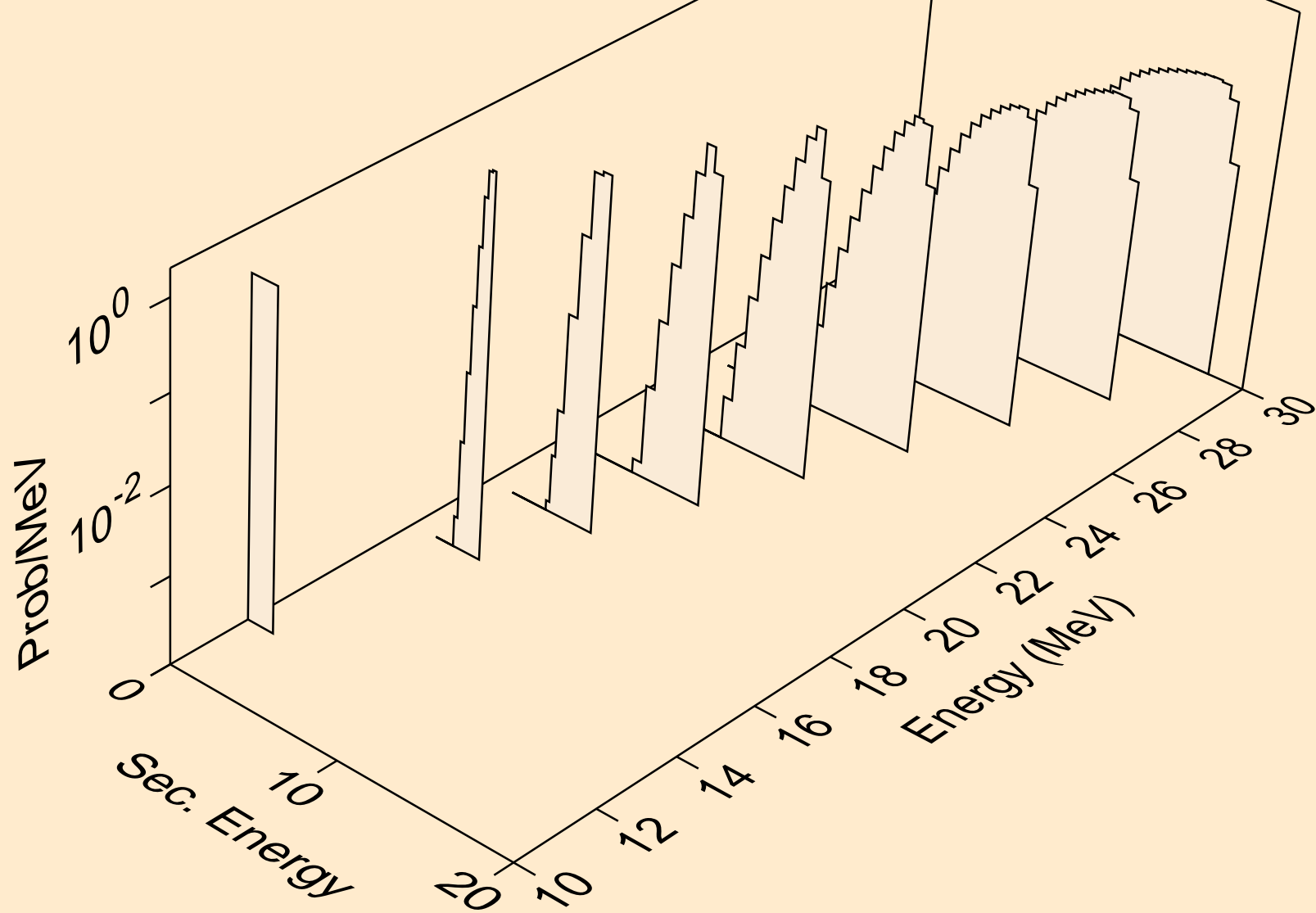


AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

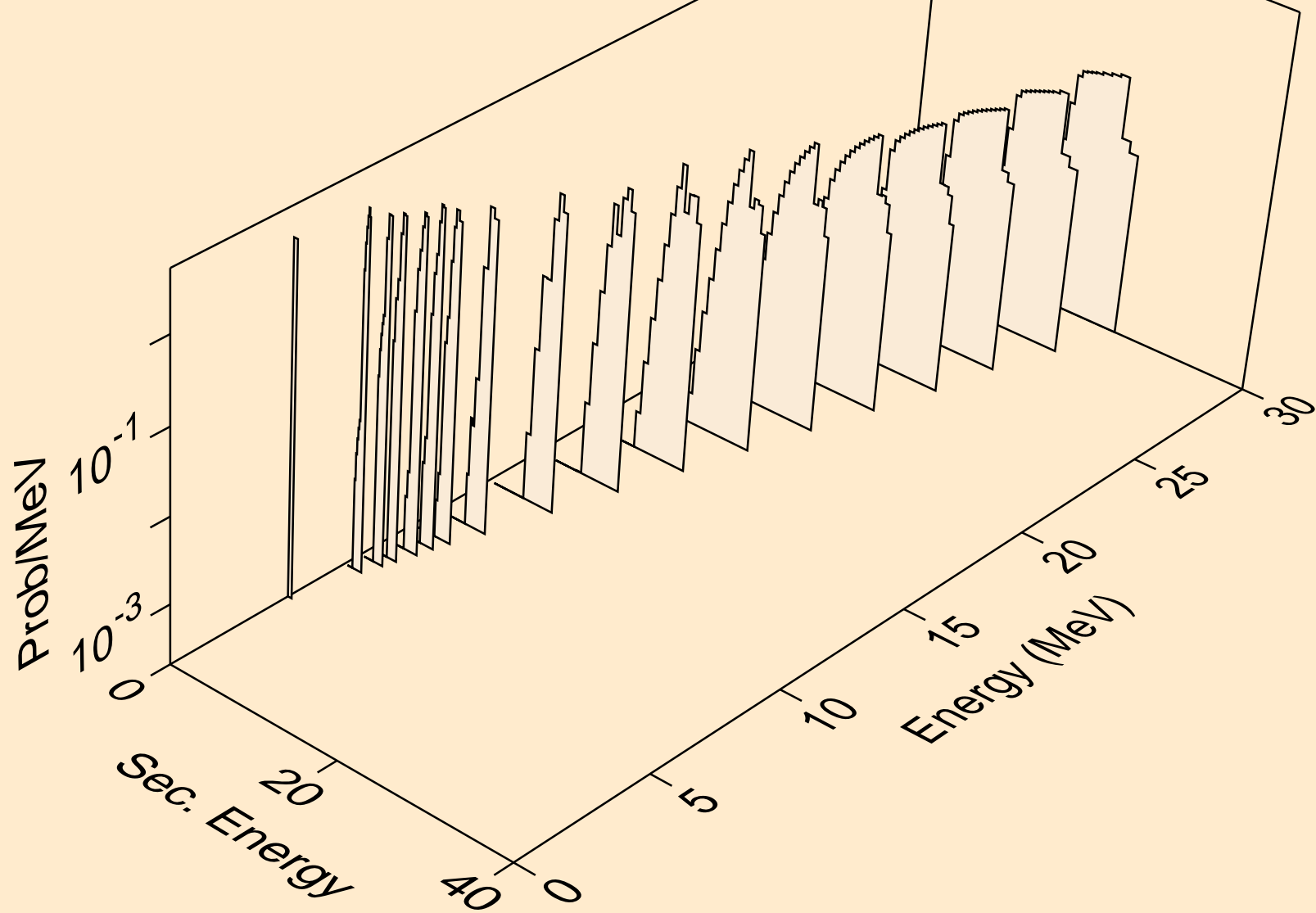




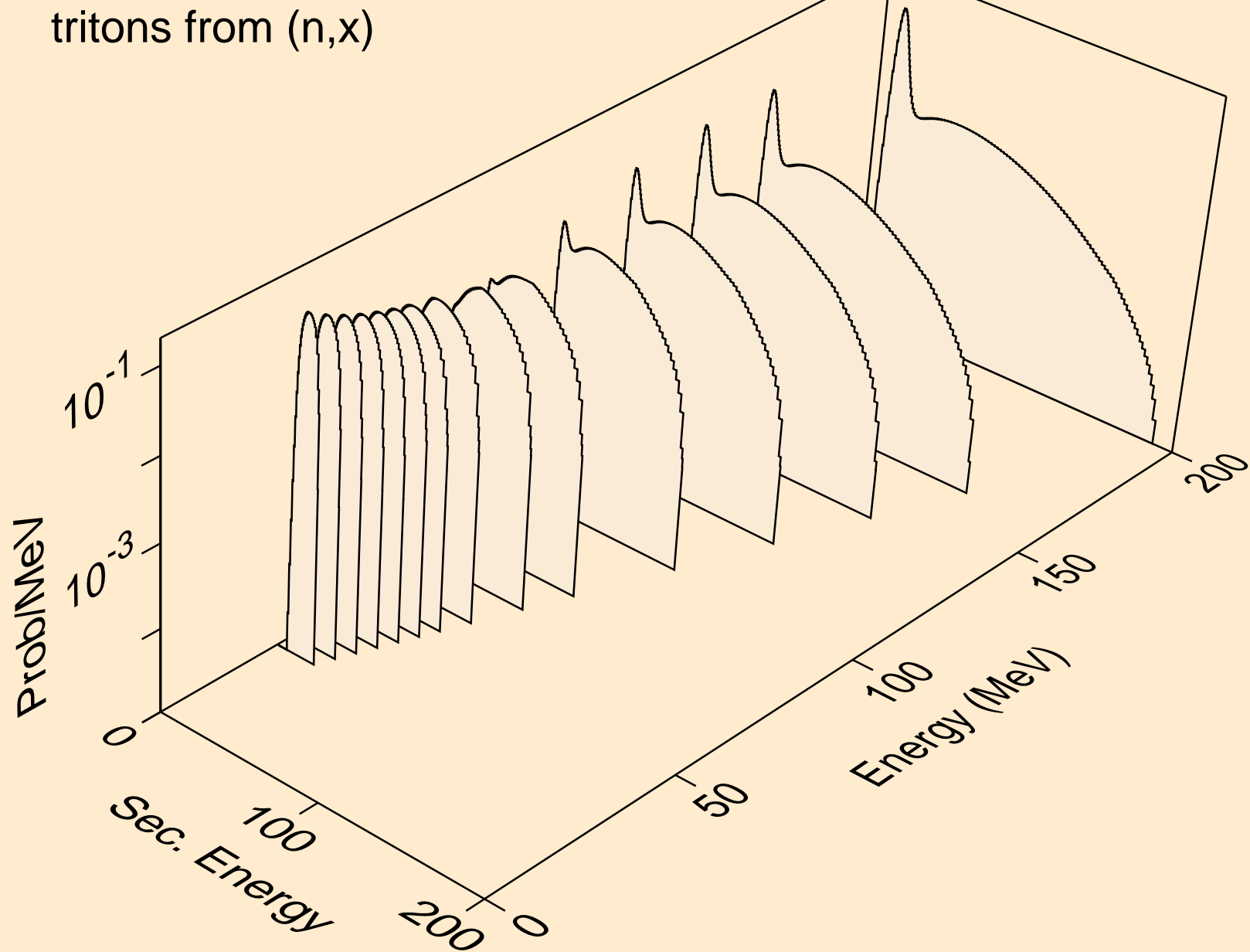
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deuterons from (n,n\*)d



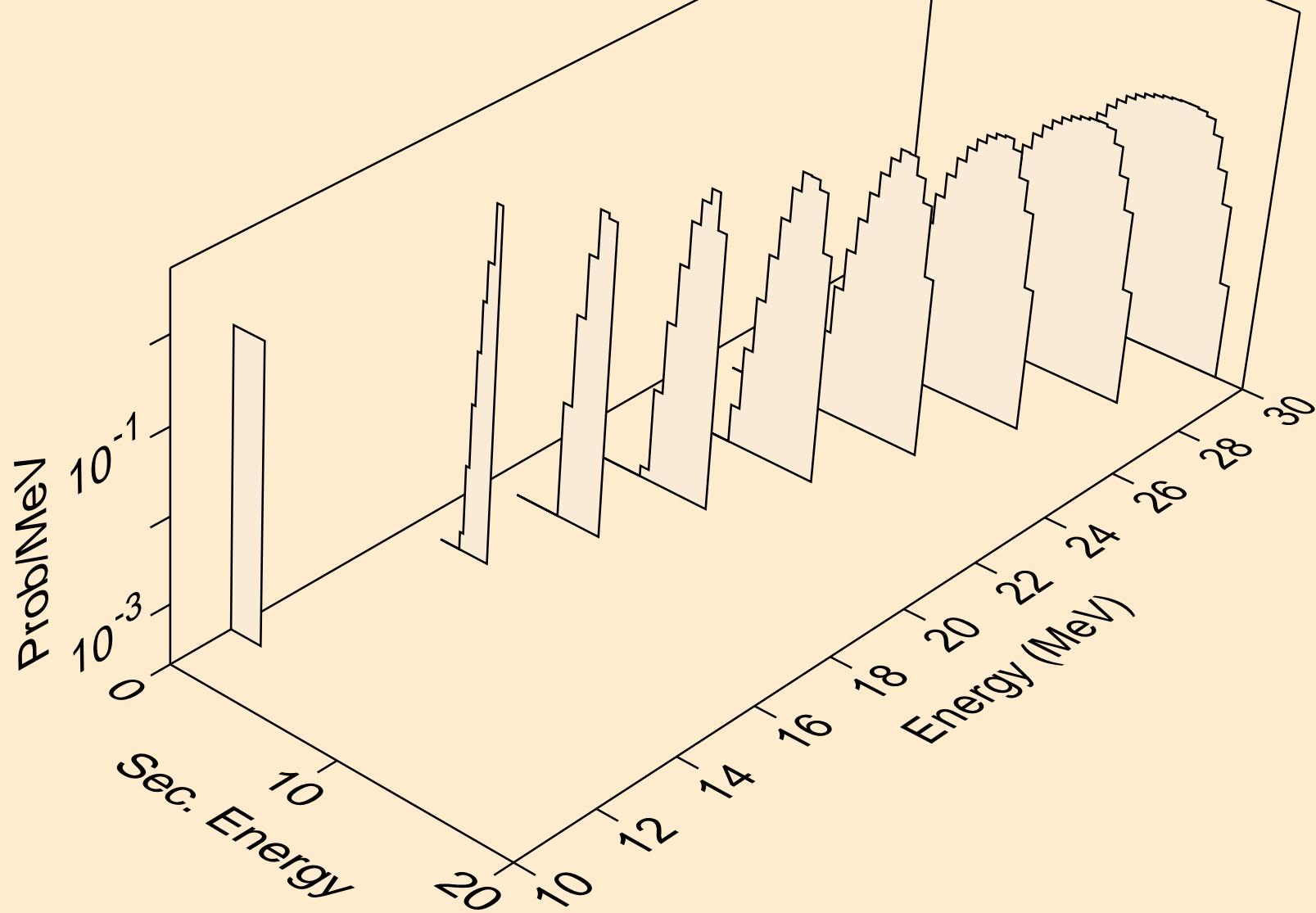
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deuterons from (n,d)



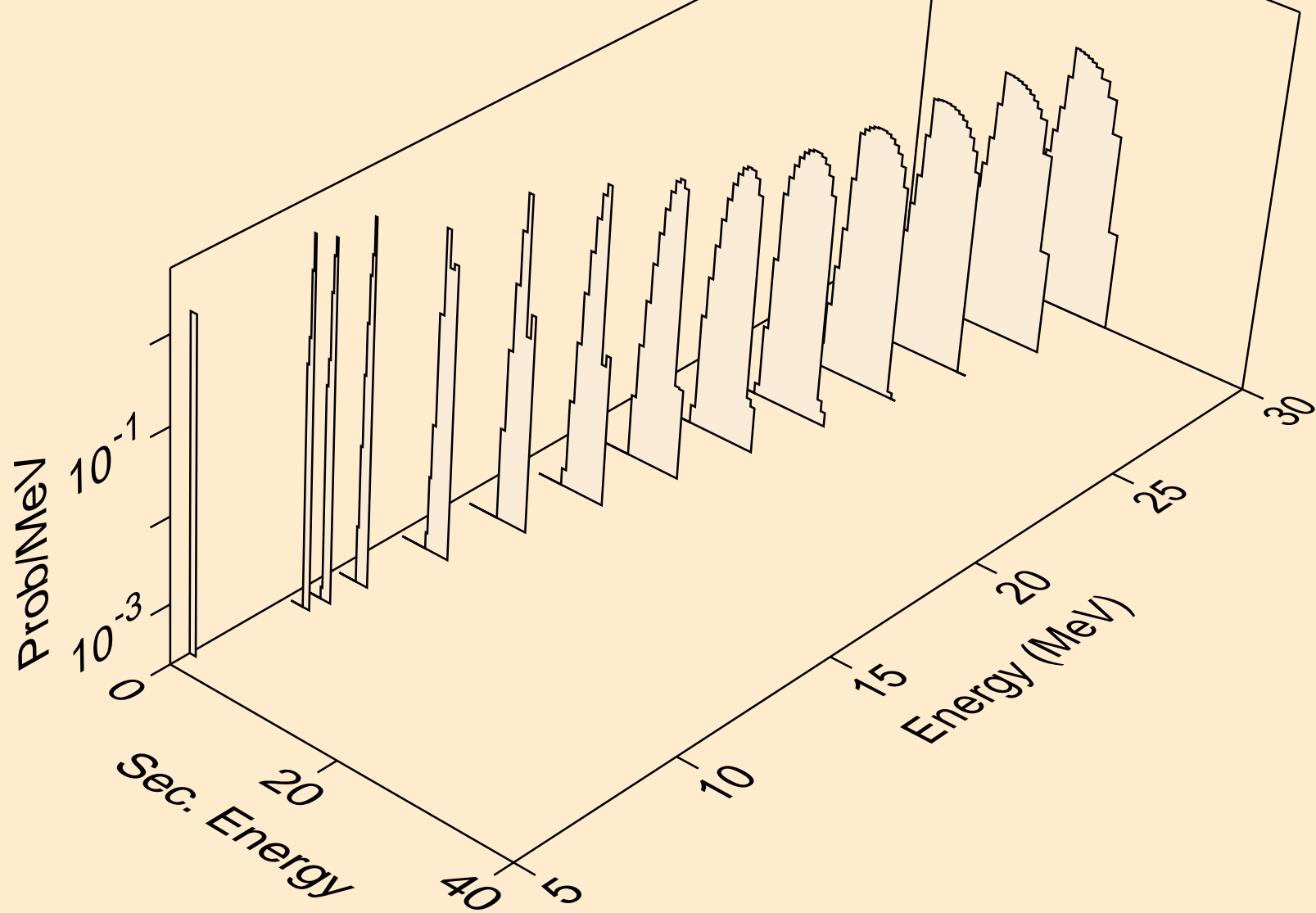
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tritons from (n,x)



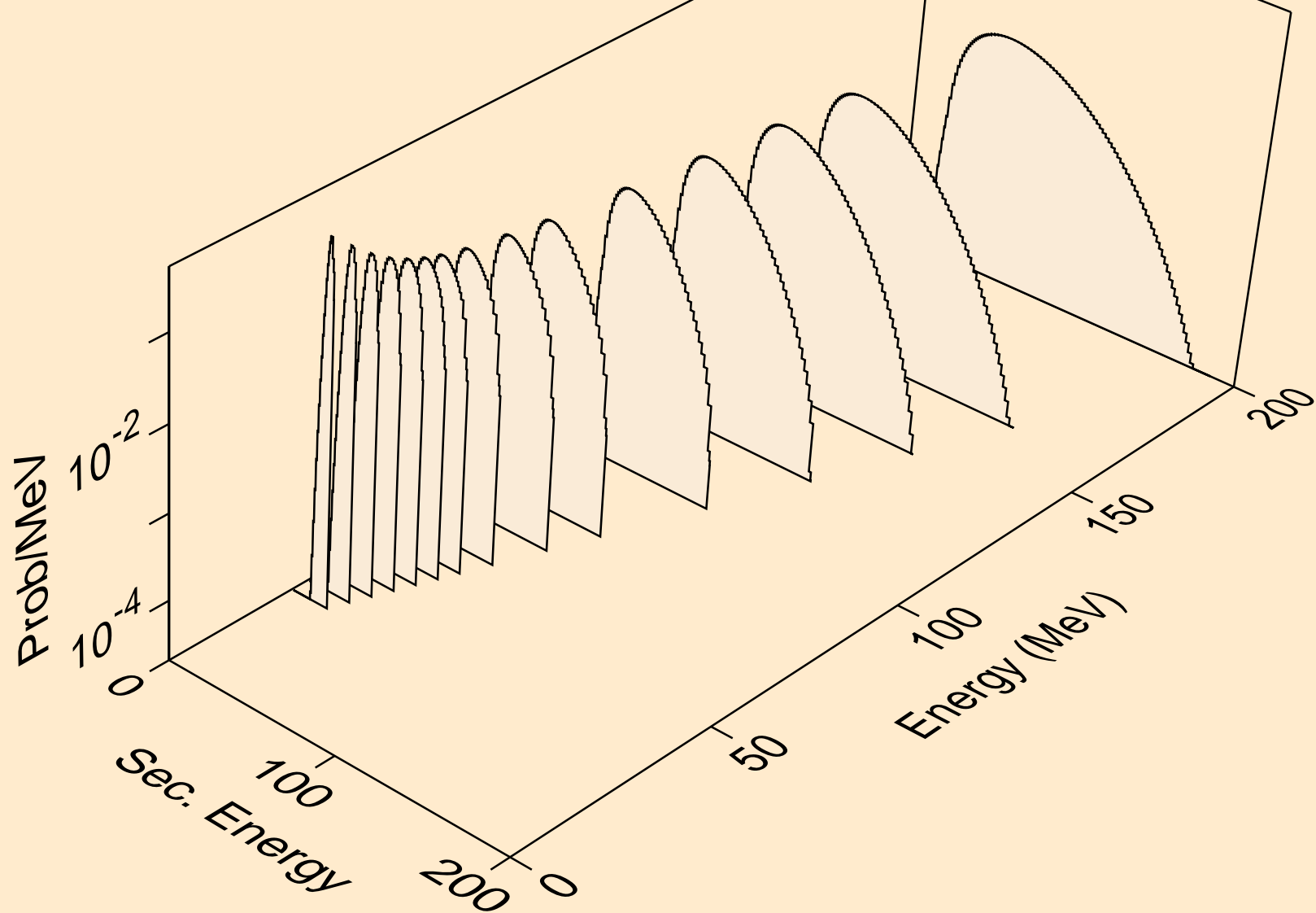
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tritons from (n,n\*)t



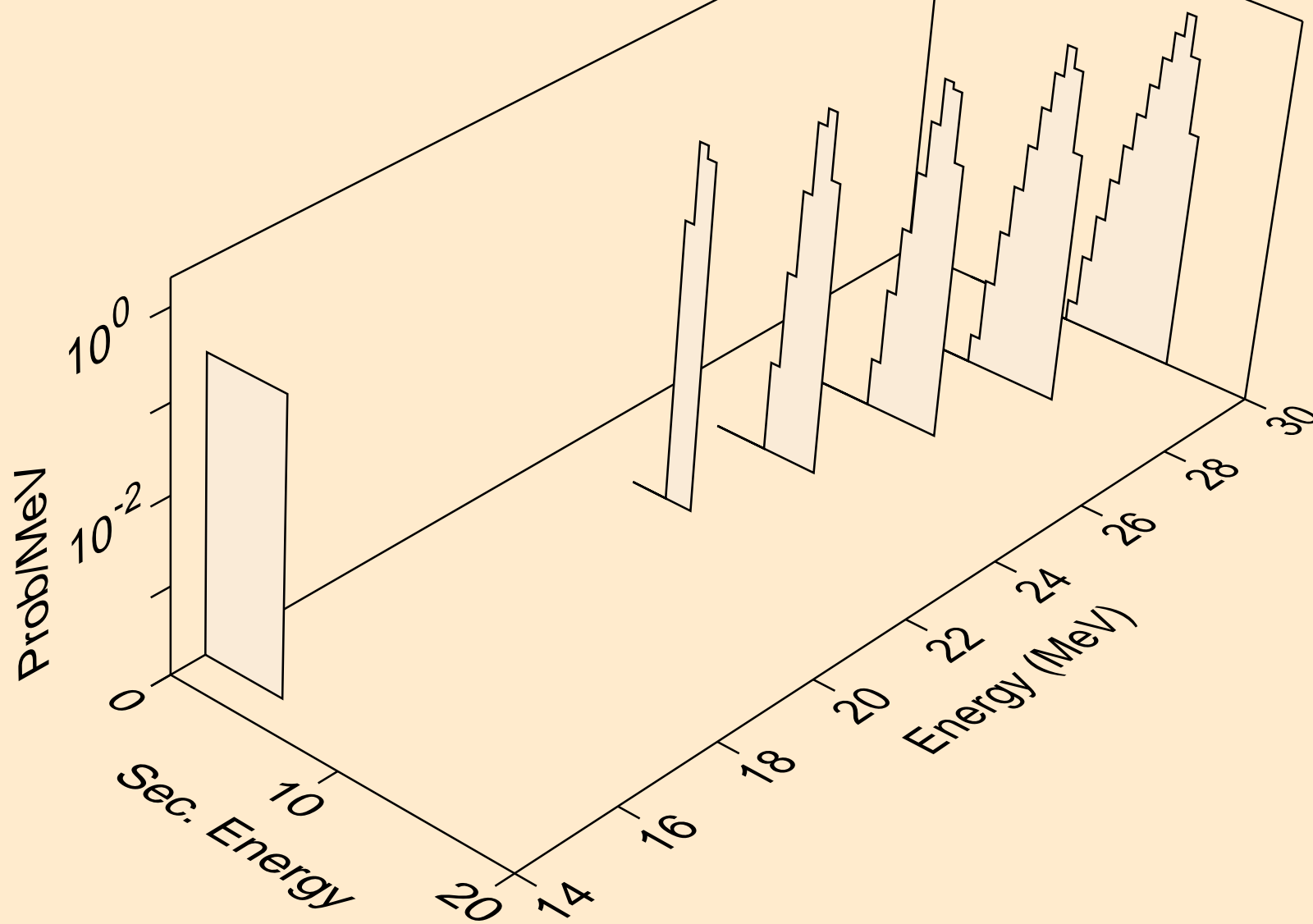
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tritons from (n,t)



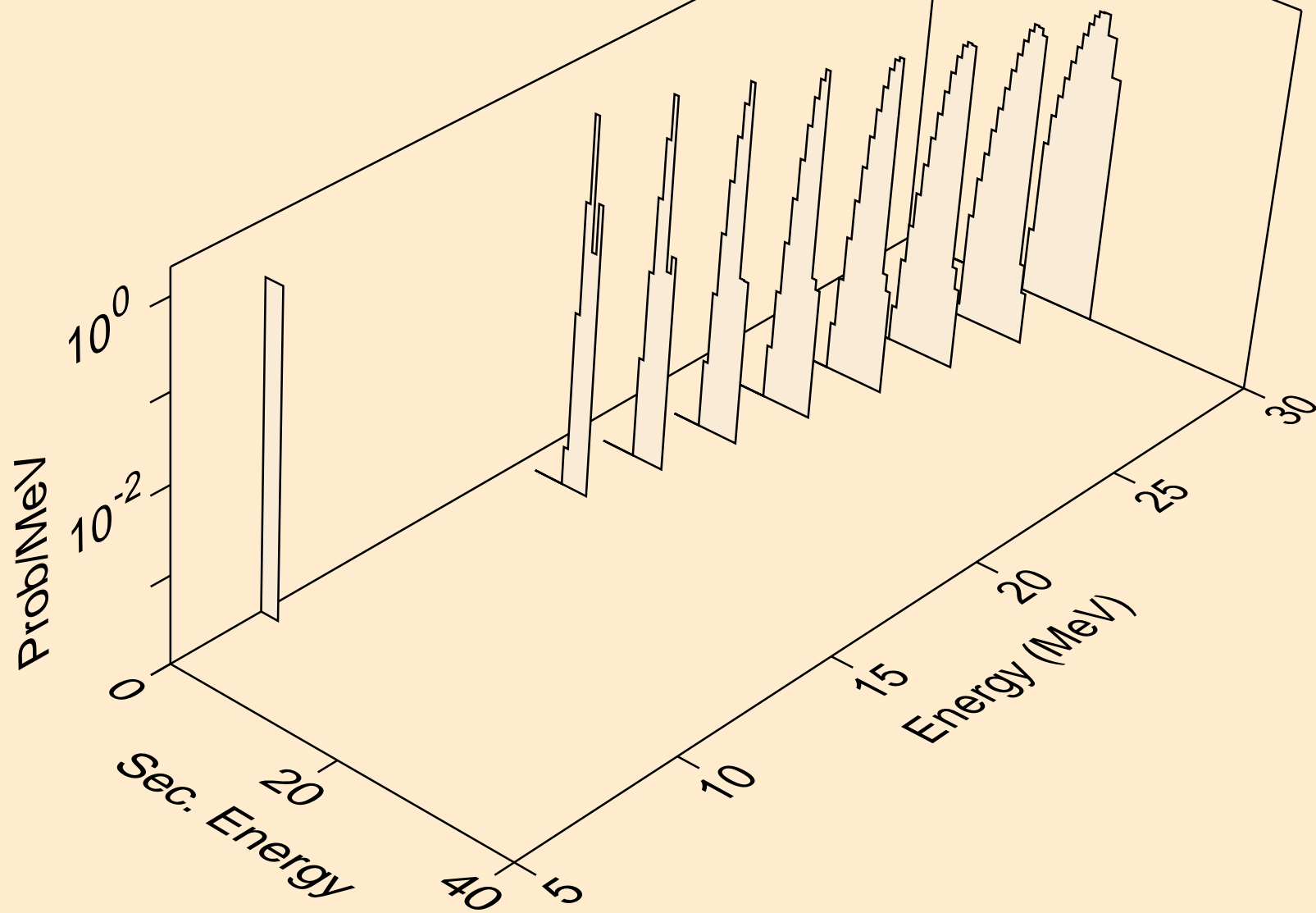
AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

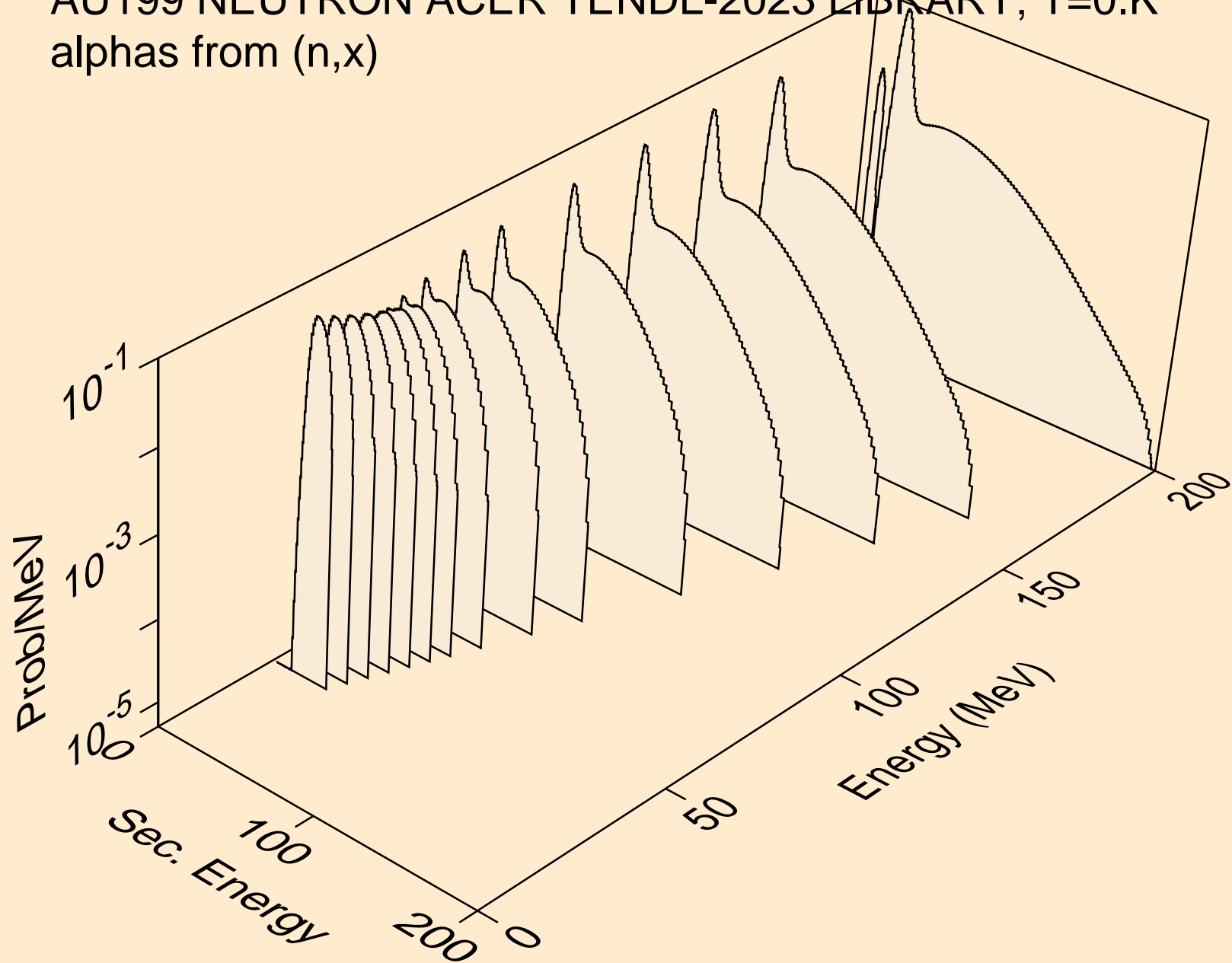


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he3s from (n,he3)

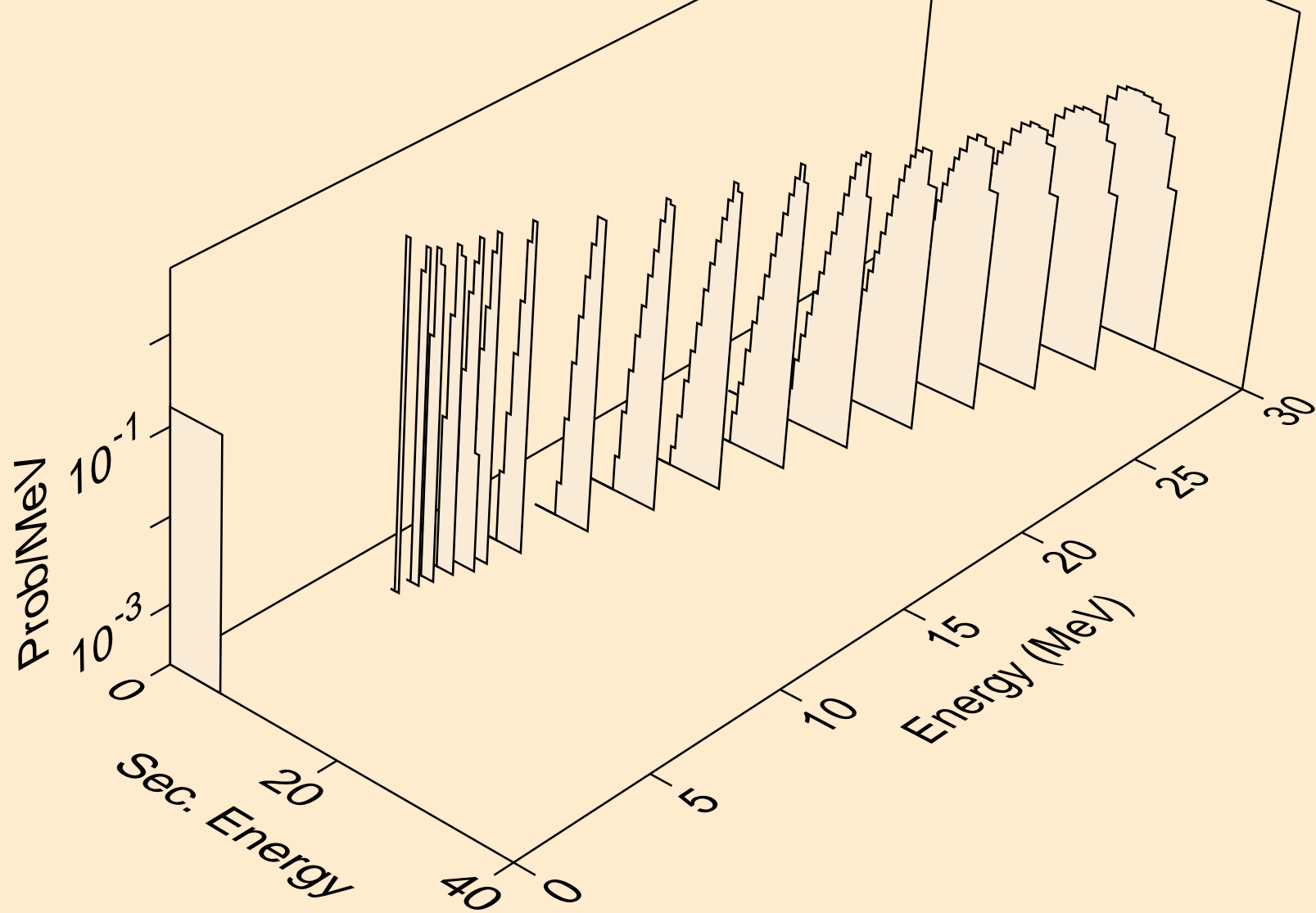




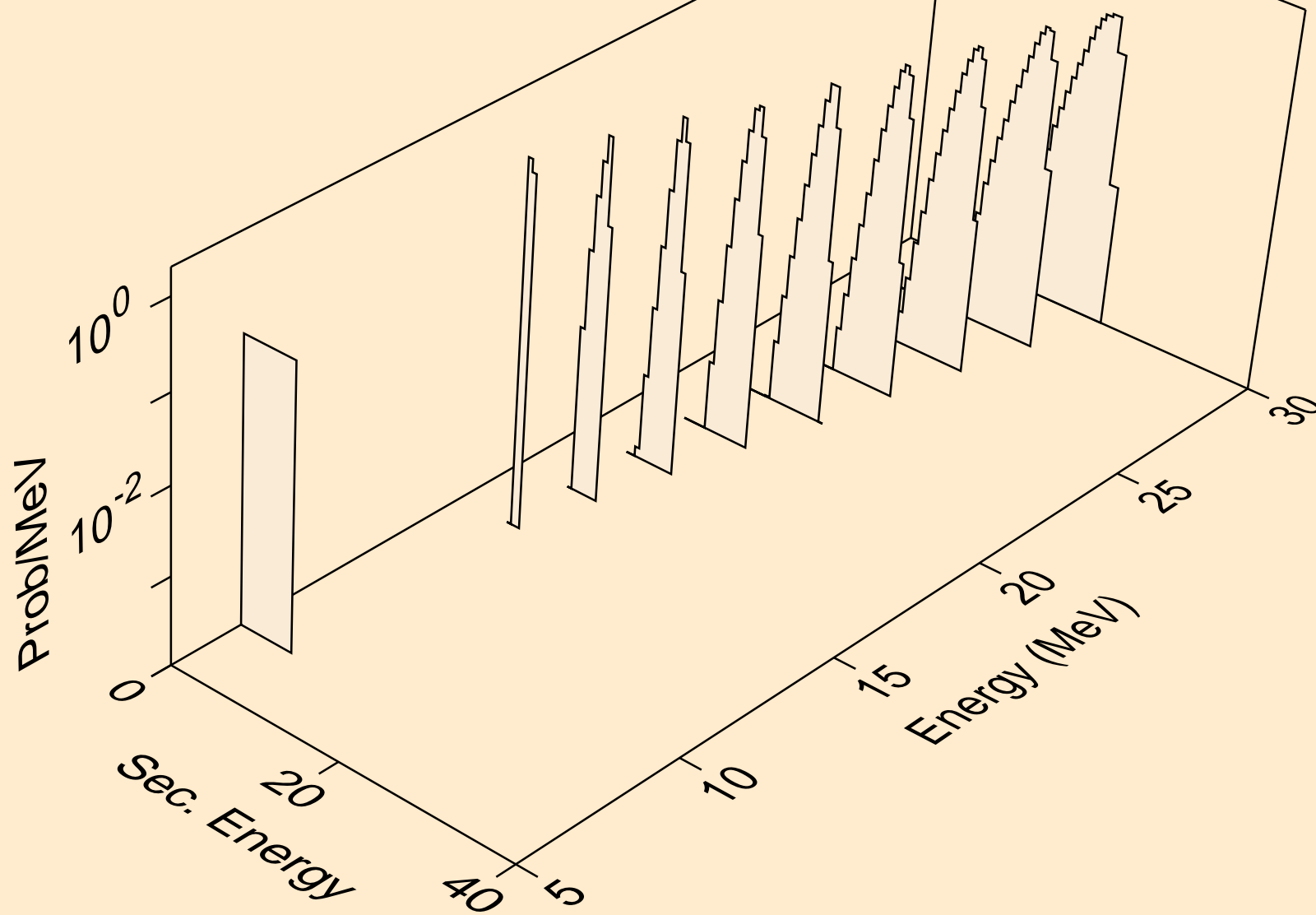
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alphas from (n,x)



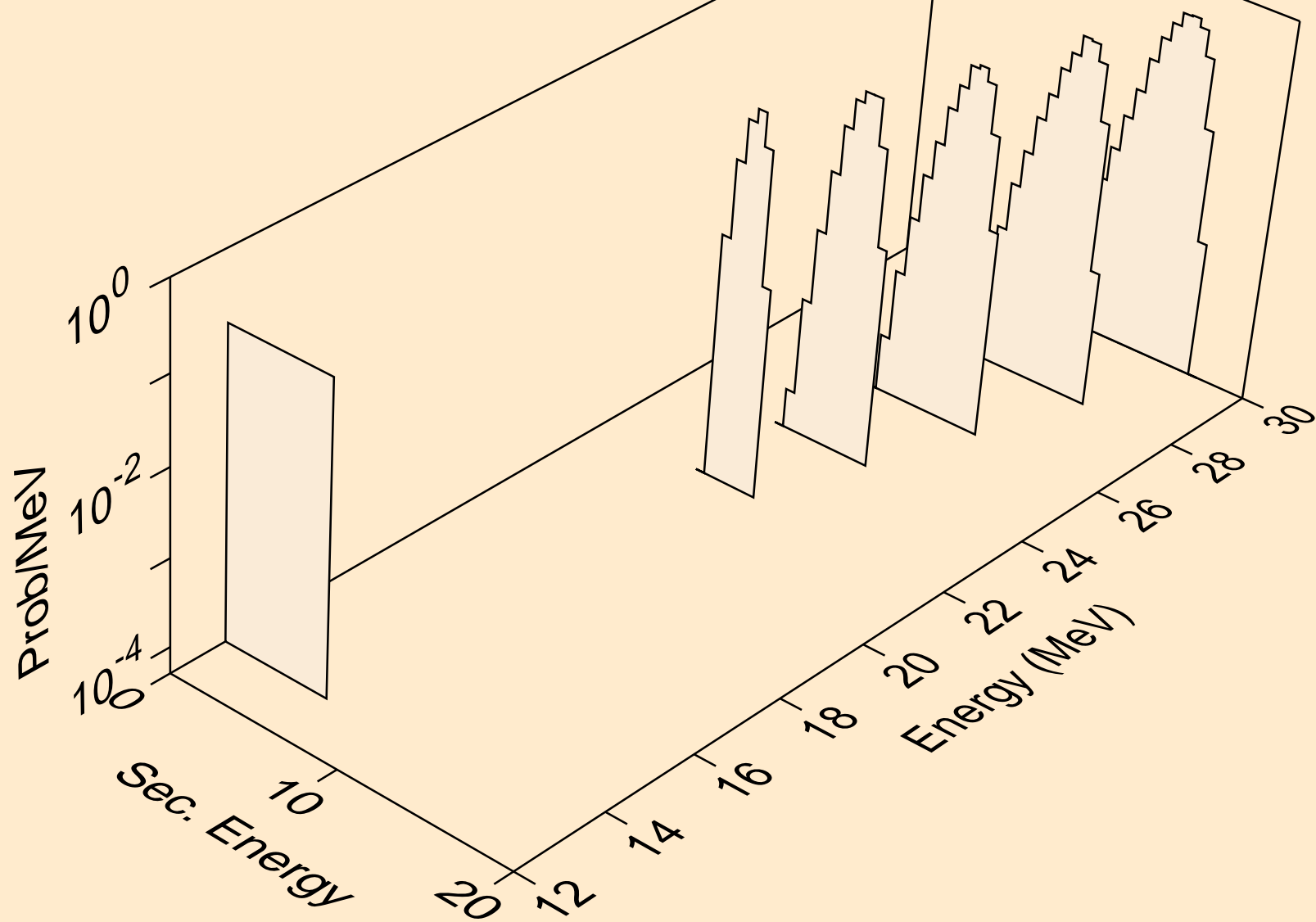
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alphas from (n,n\*)a



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



AU199 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

