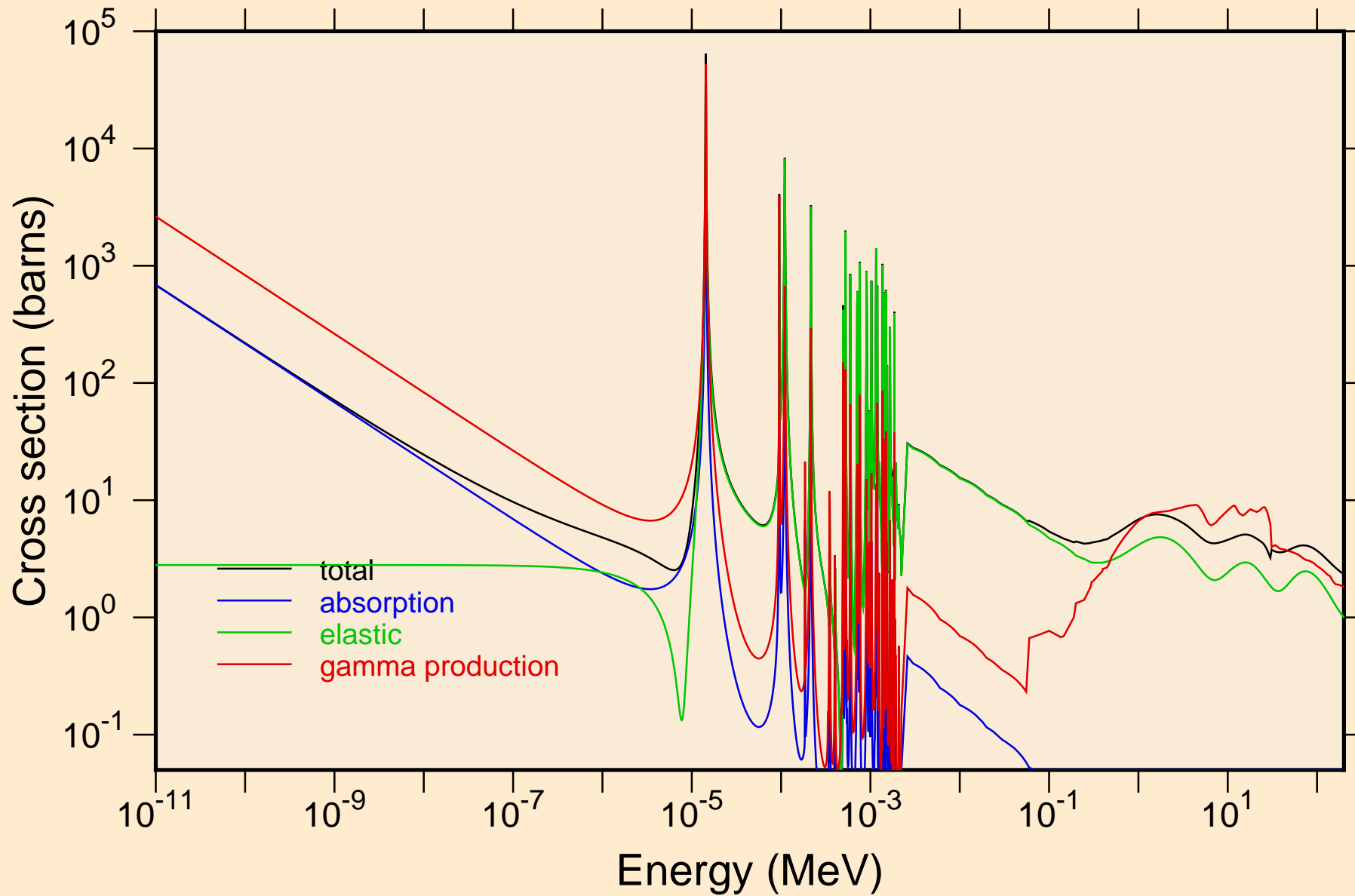
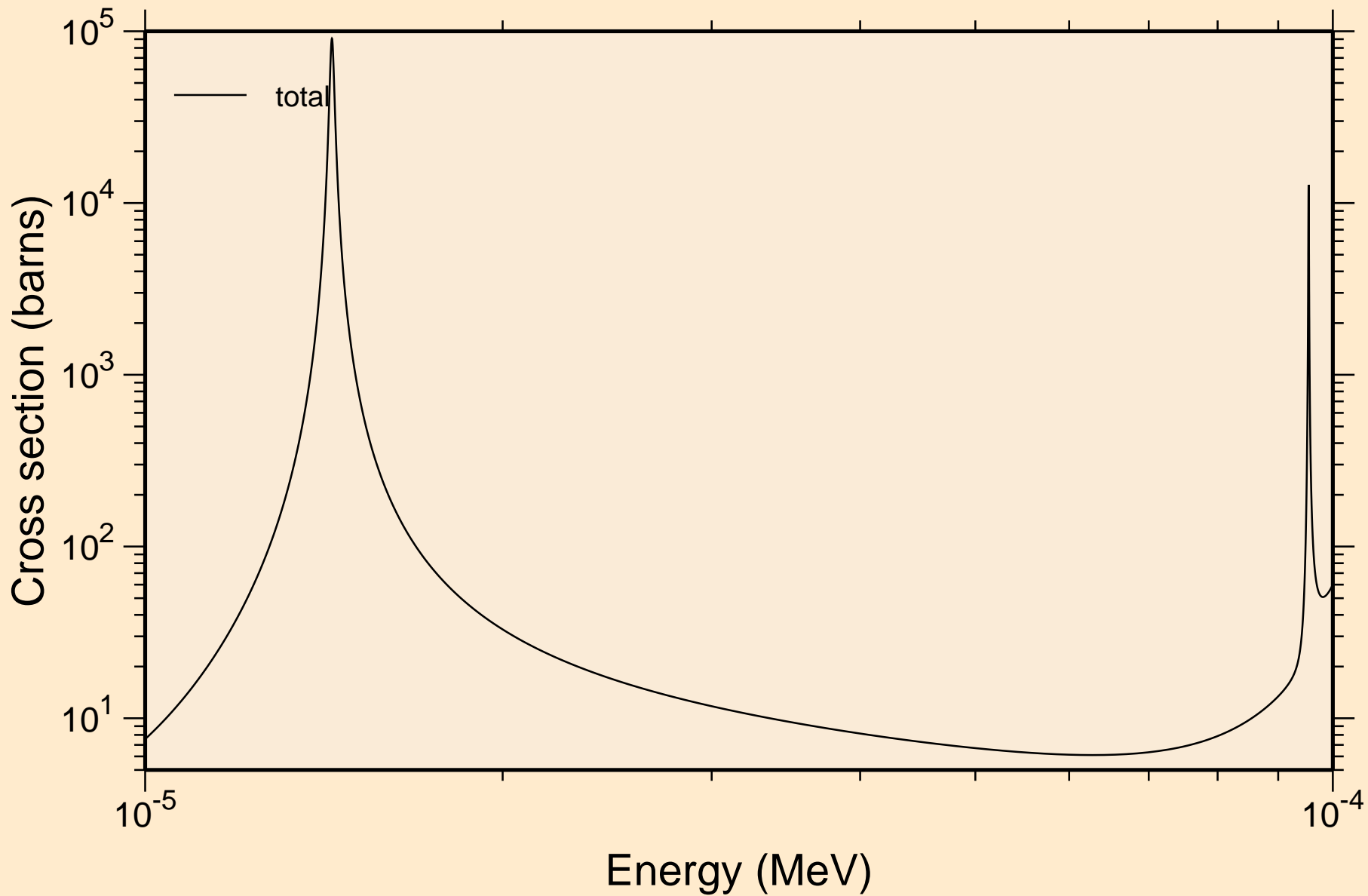


# CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

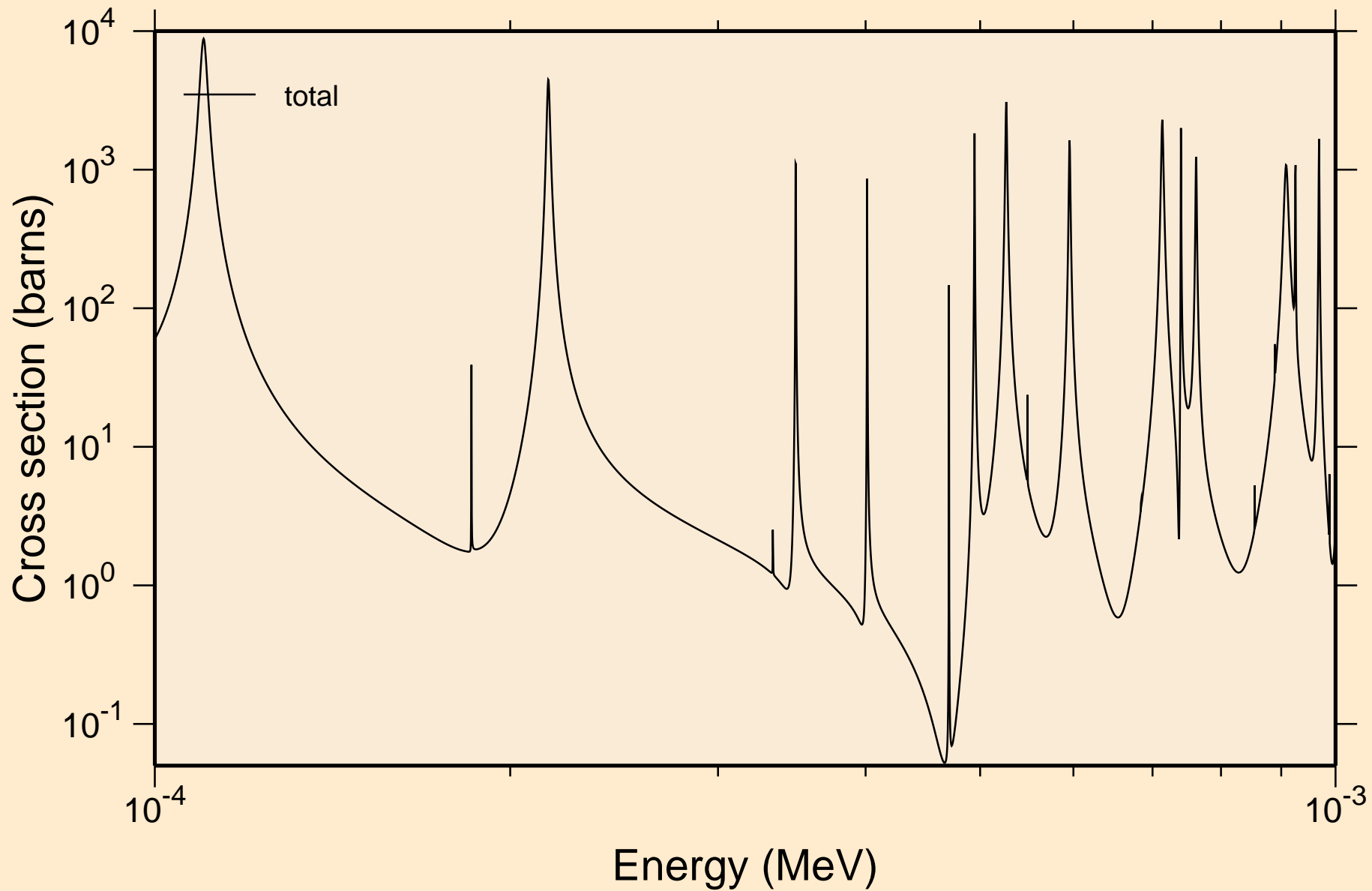
## Principal cross sections



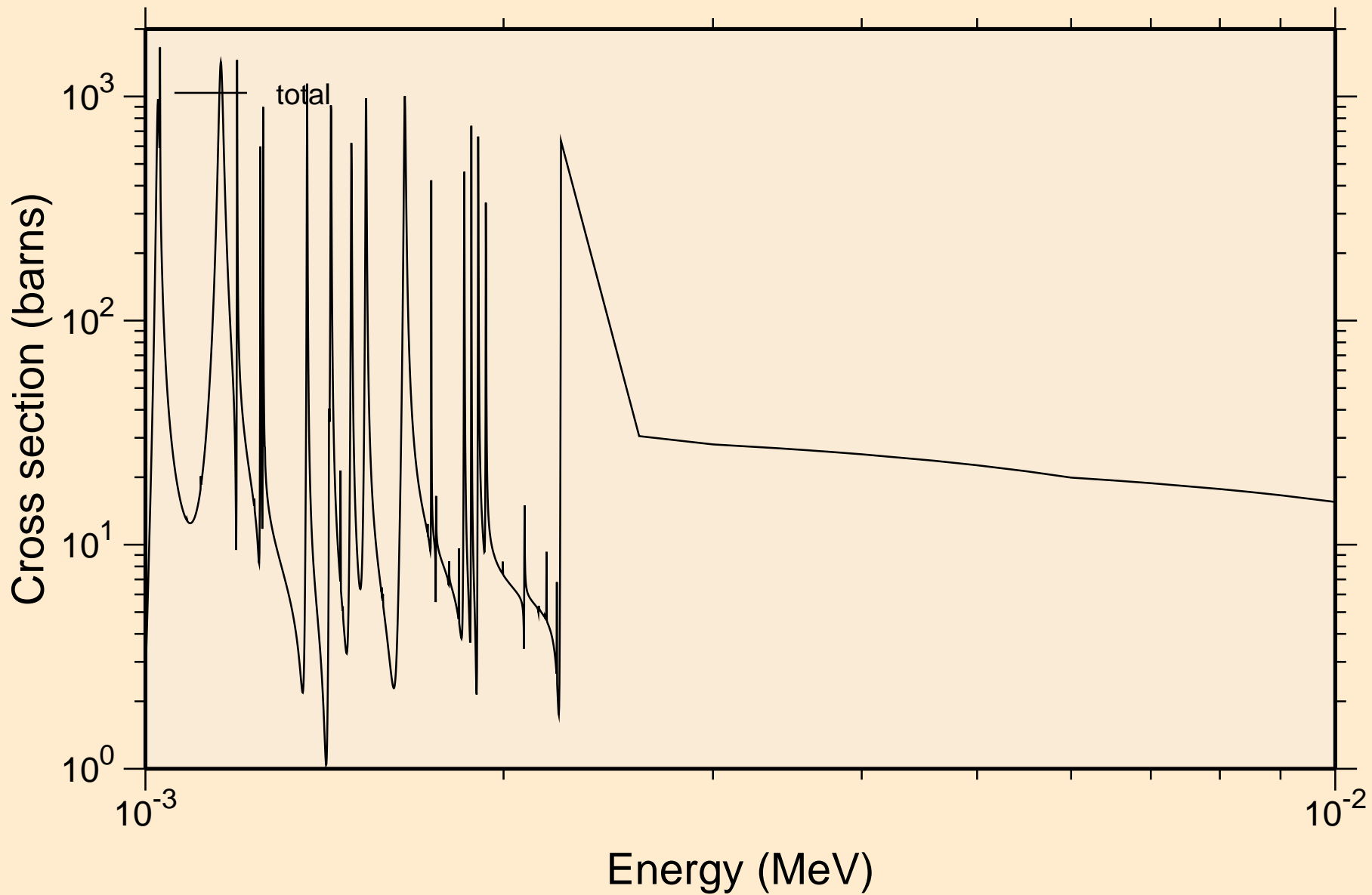
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



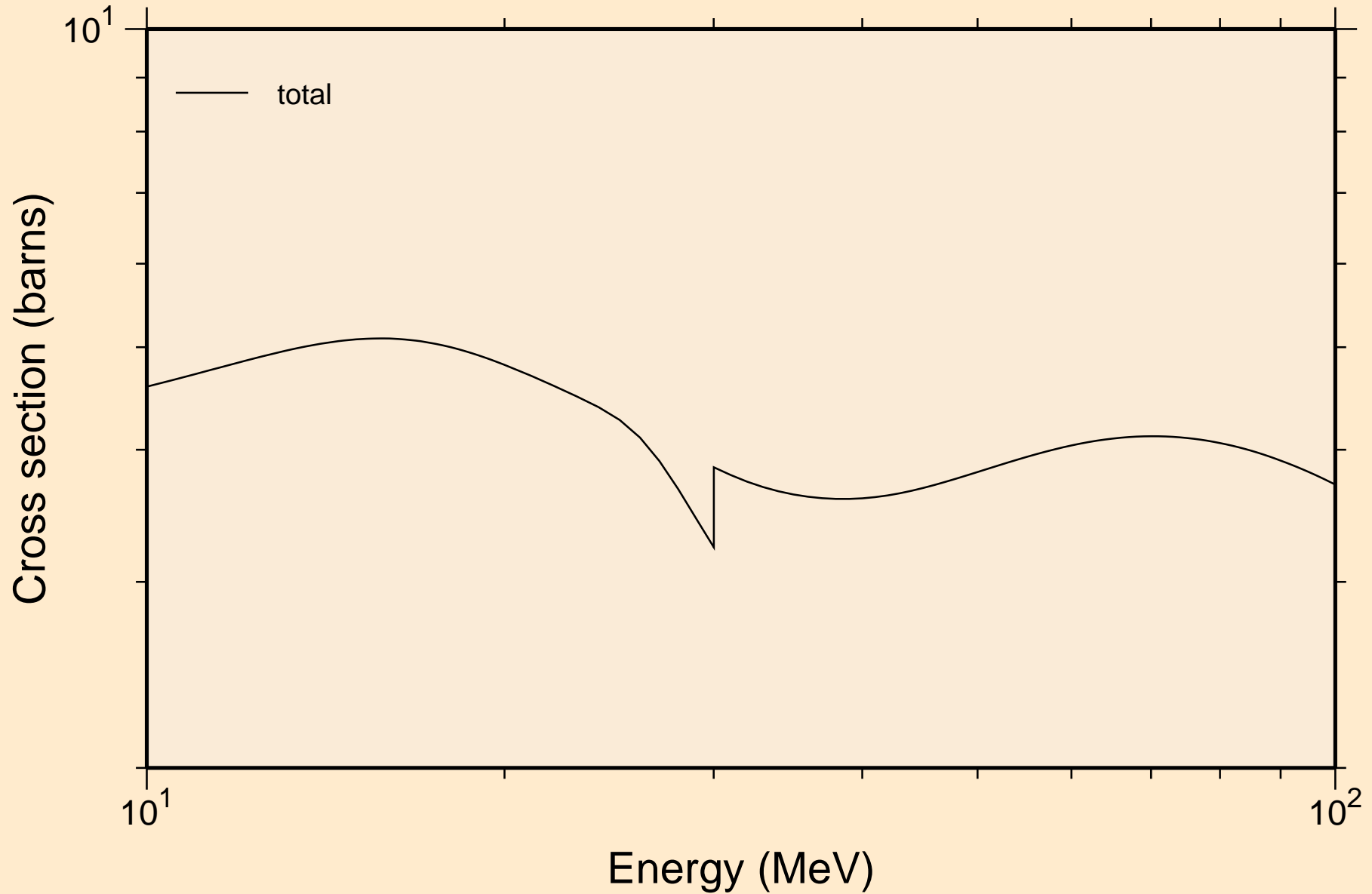
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



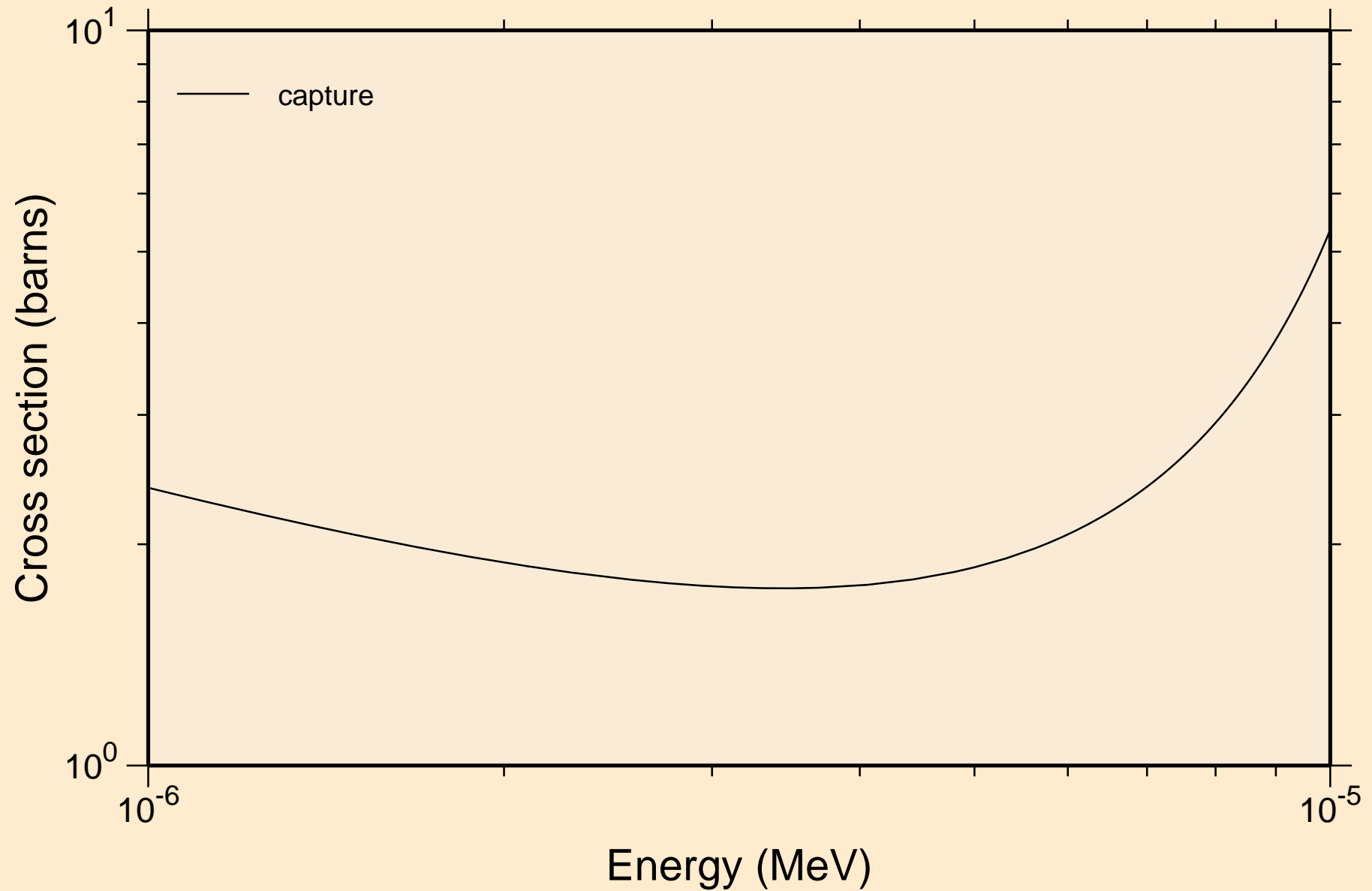
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



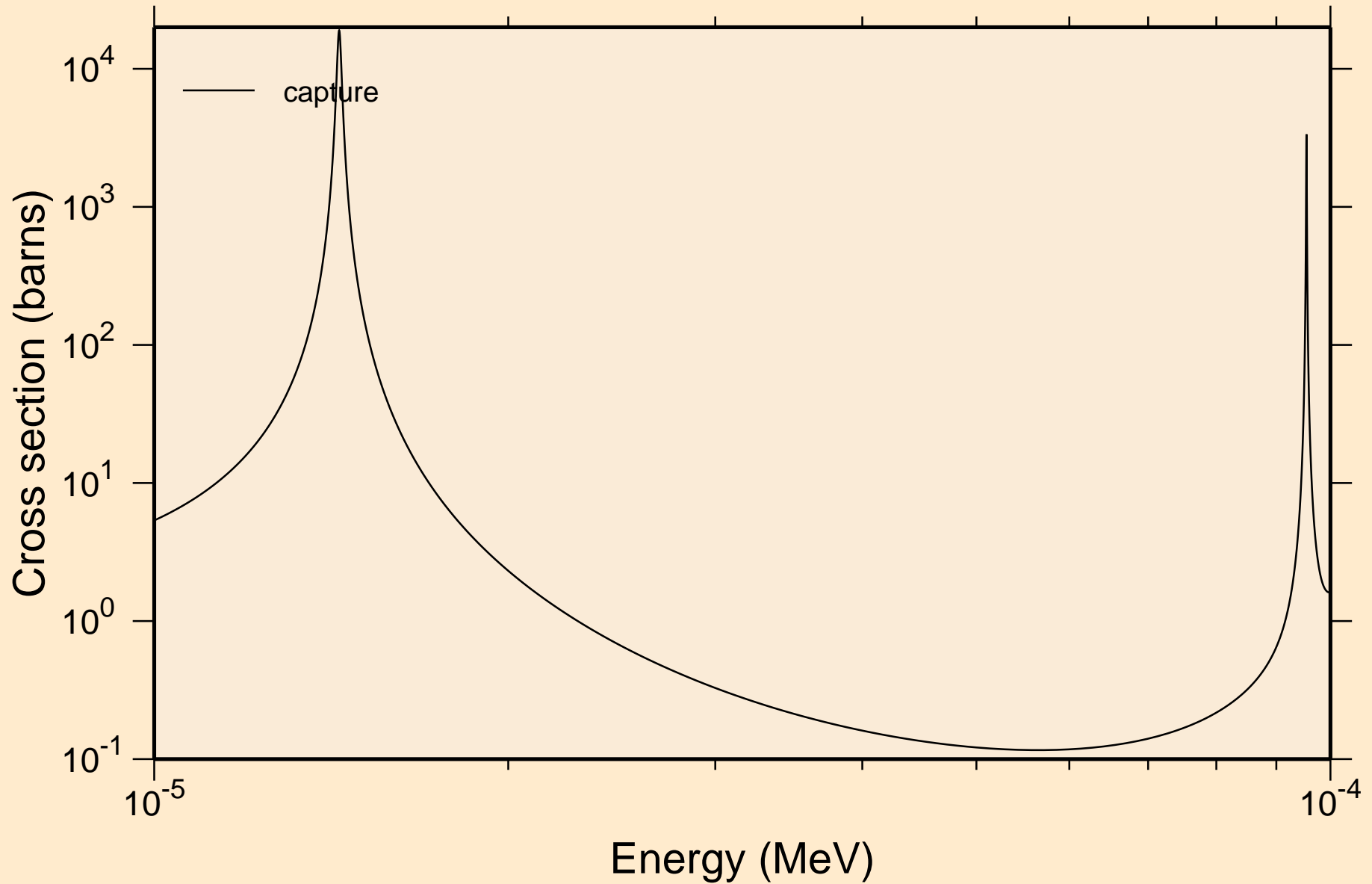
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



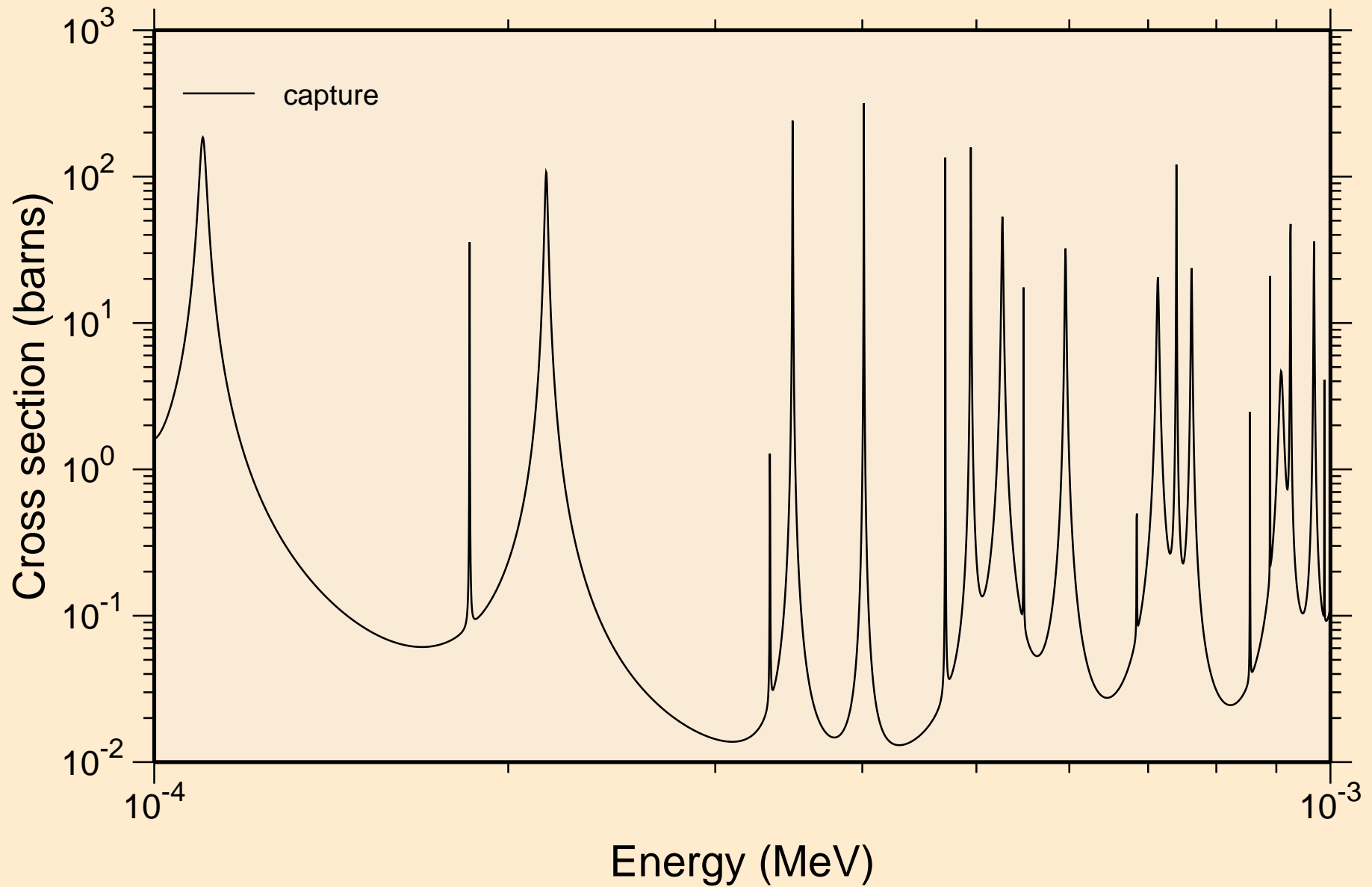
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



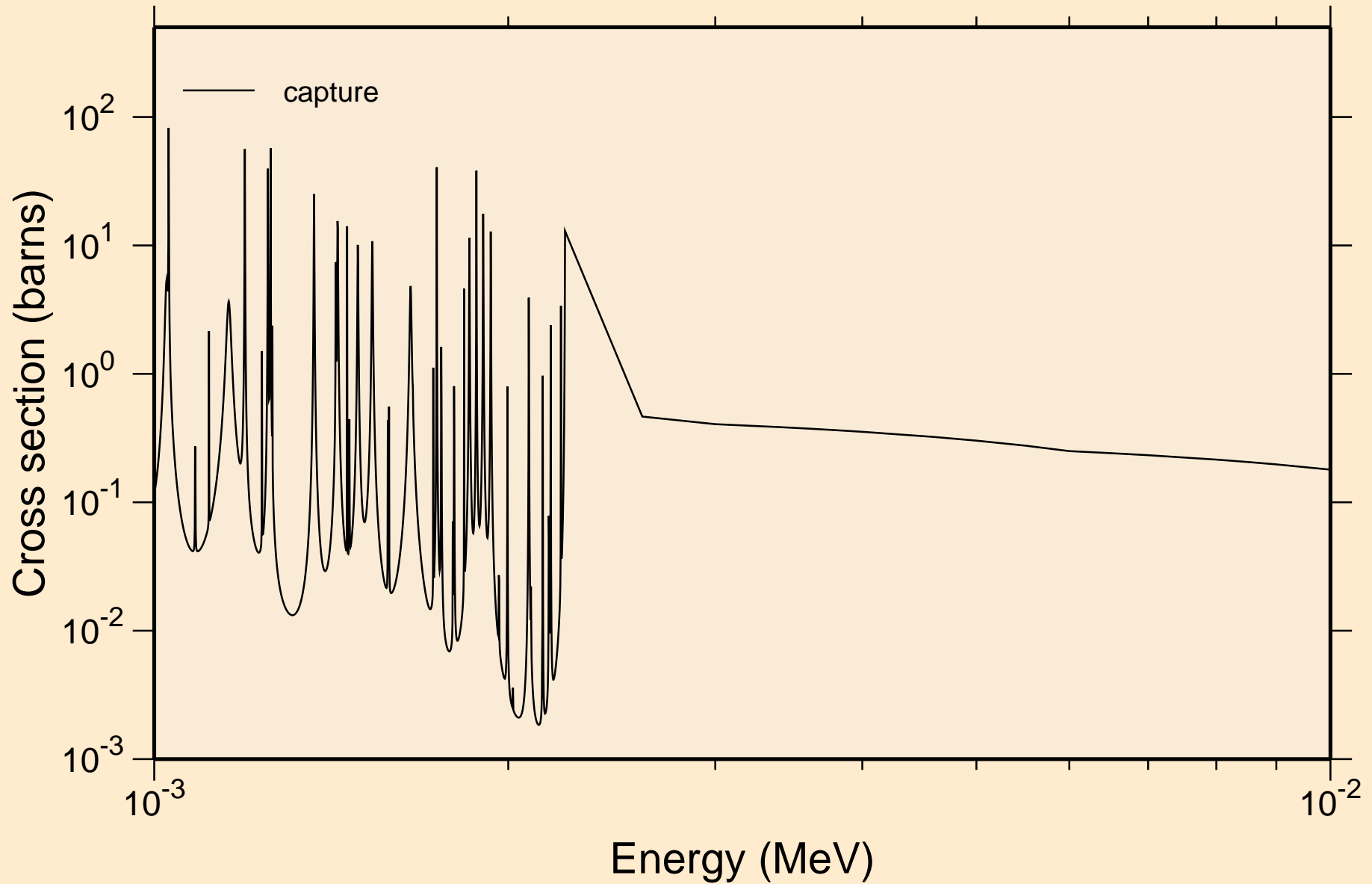
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



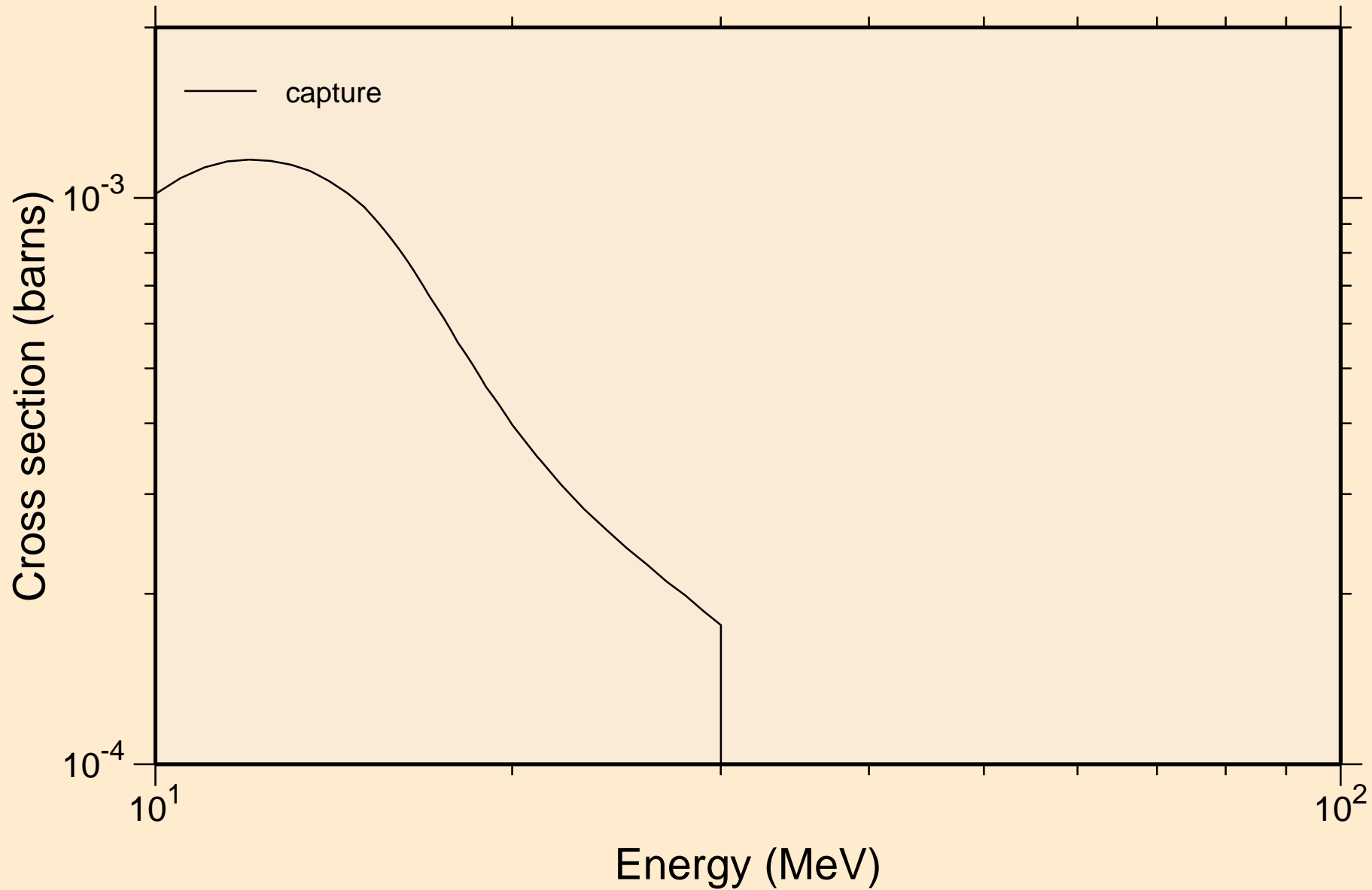
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



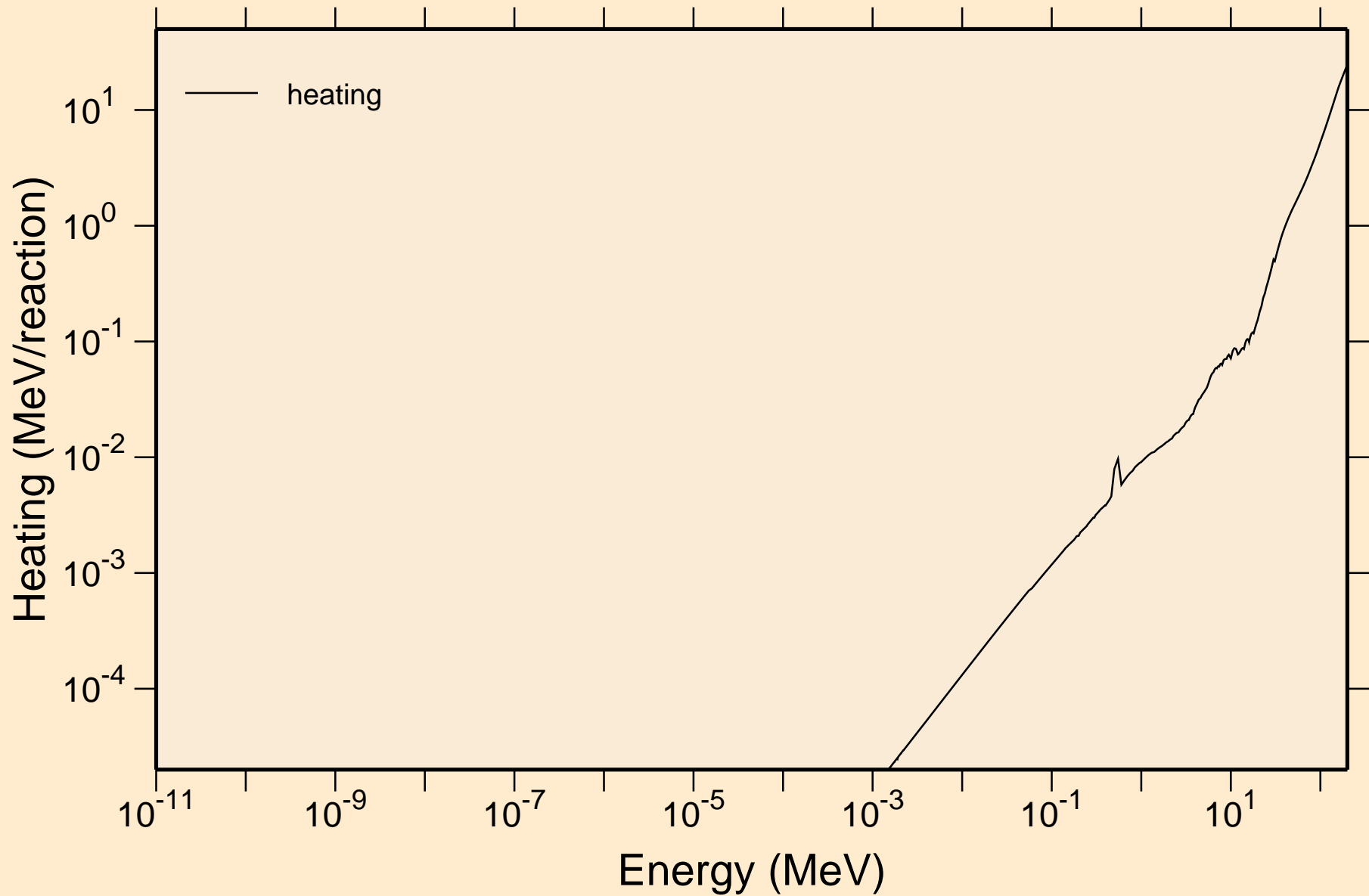
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

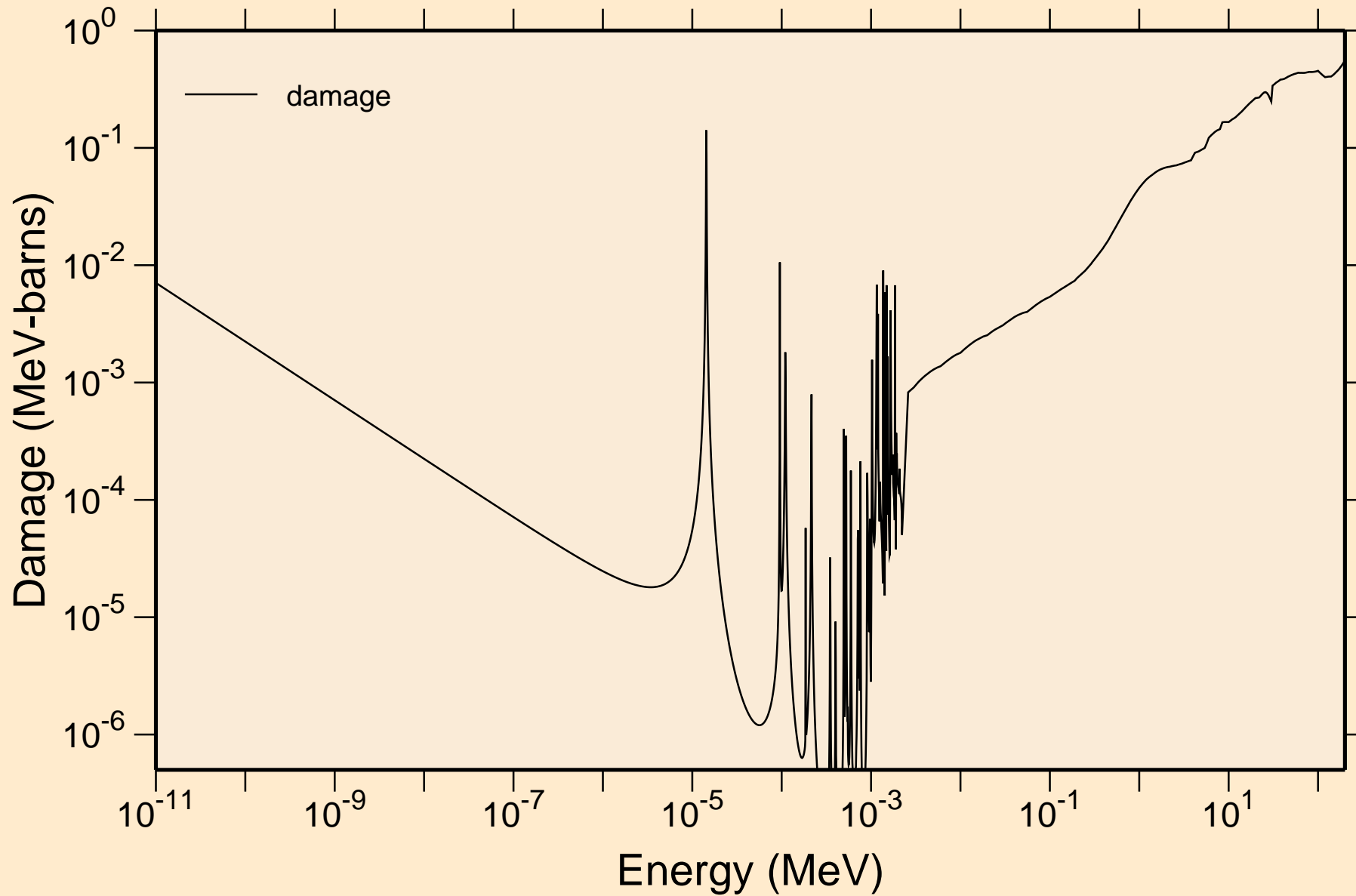


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

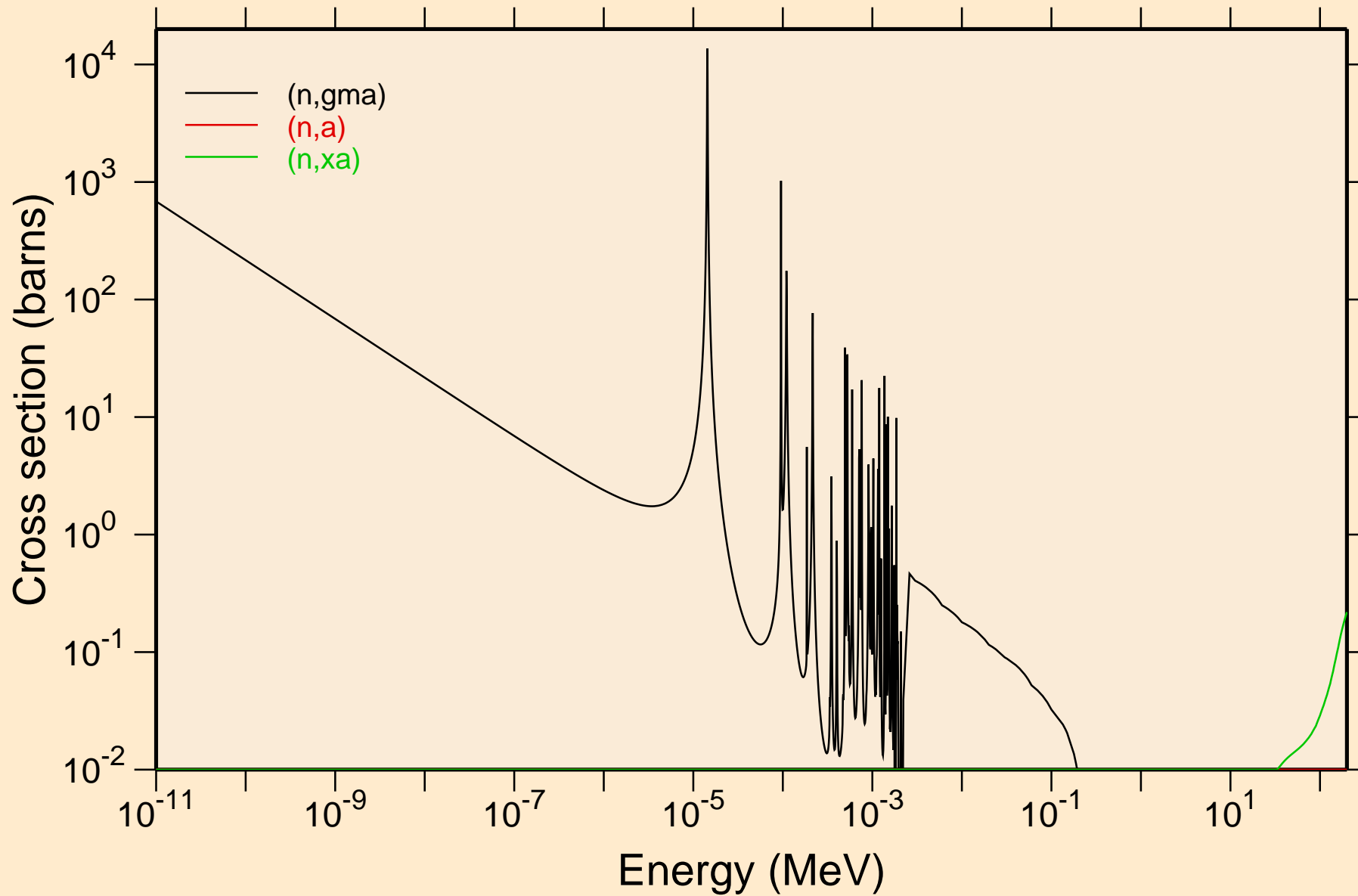


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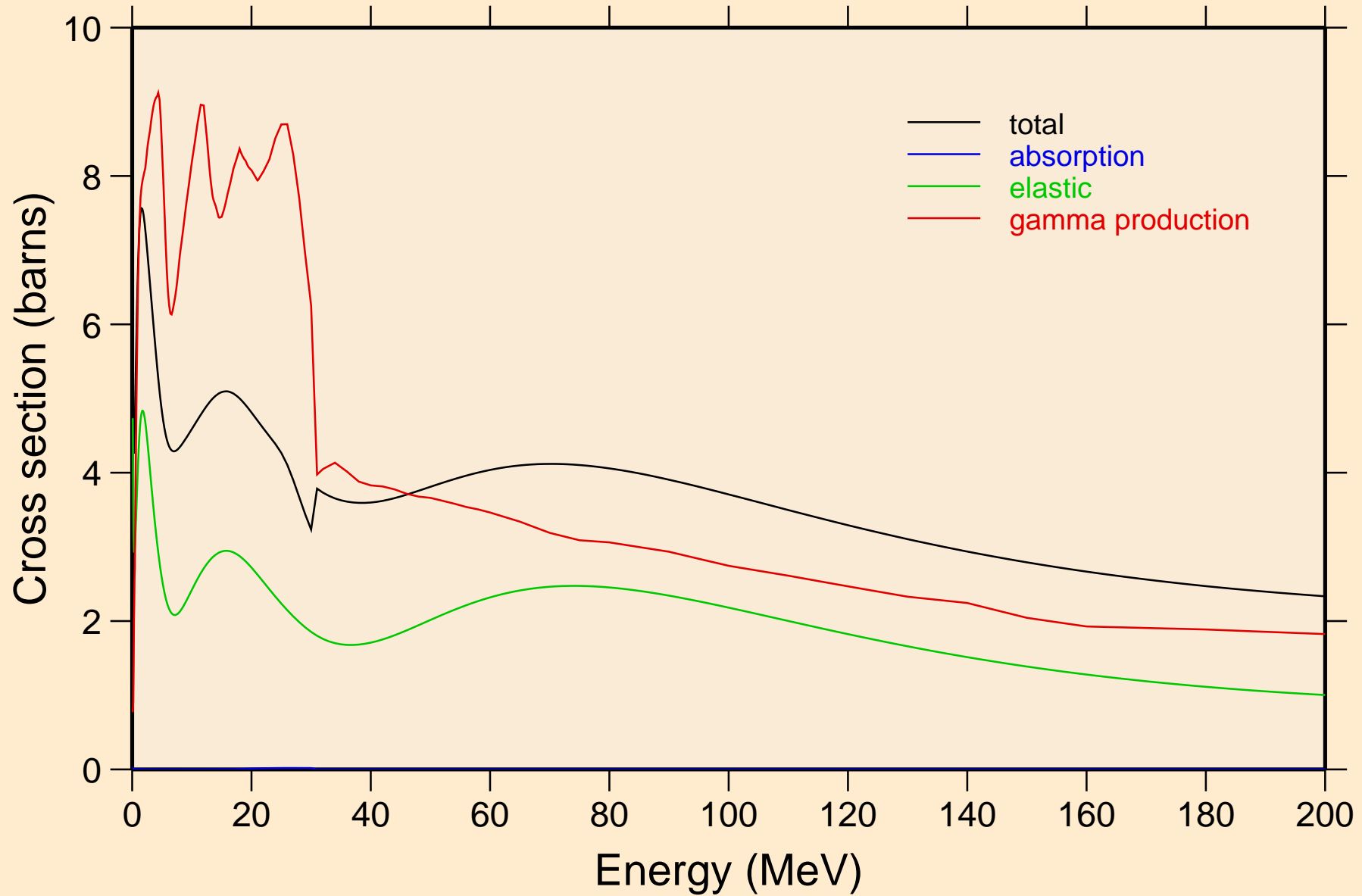
## Damage



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

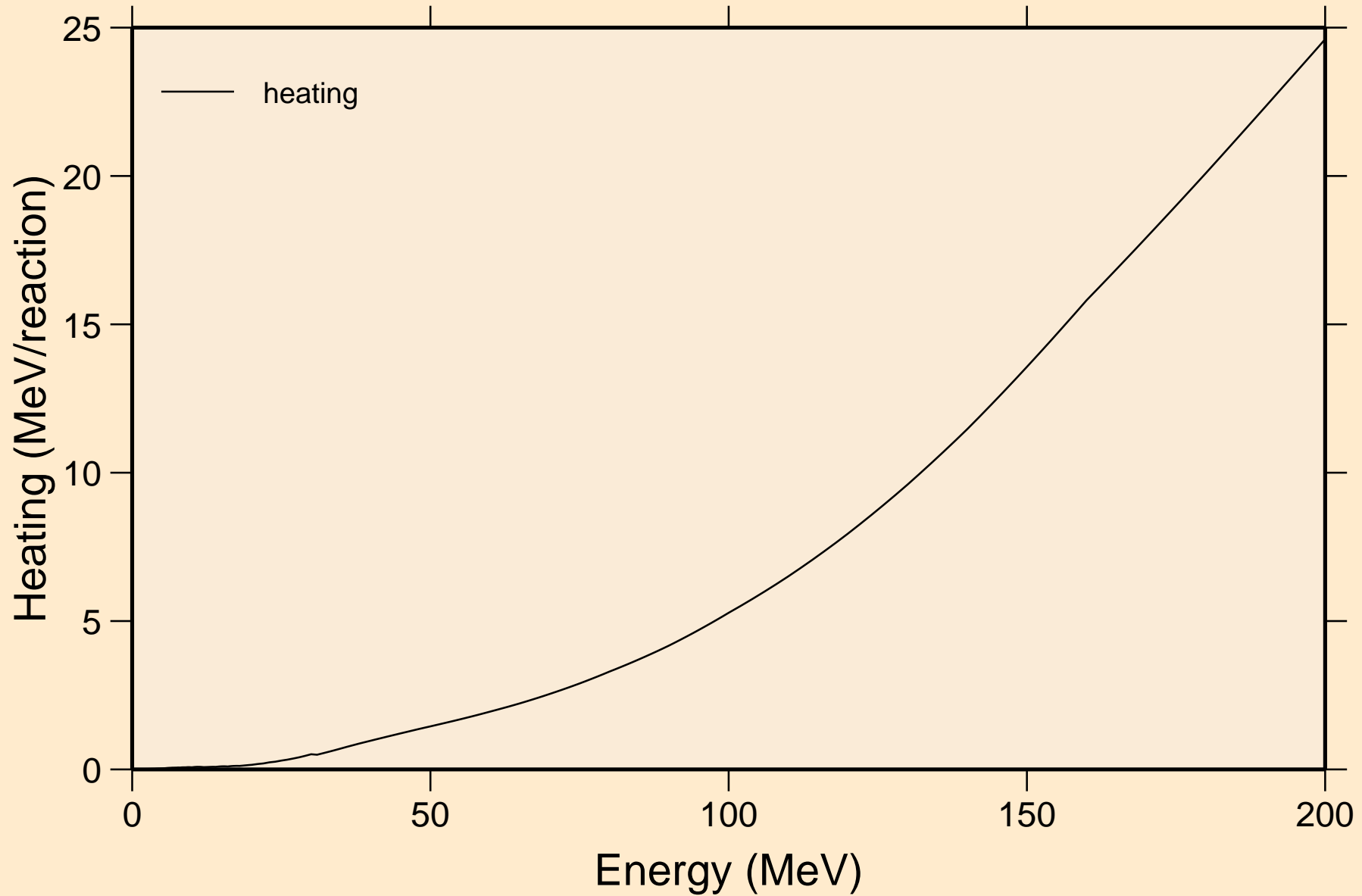


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

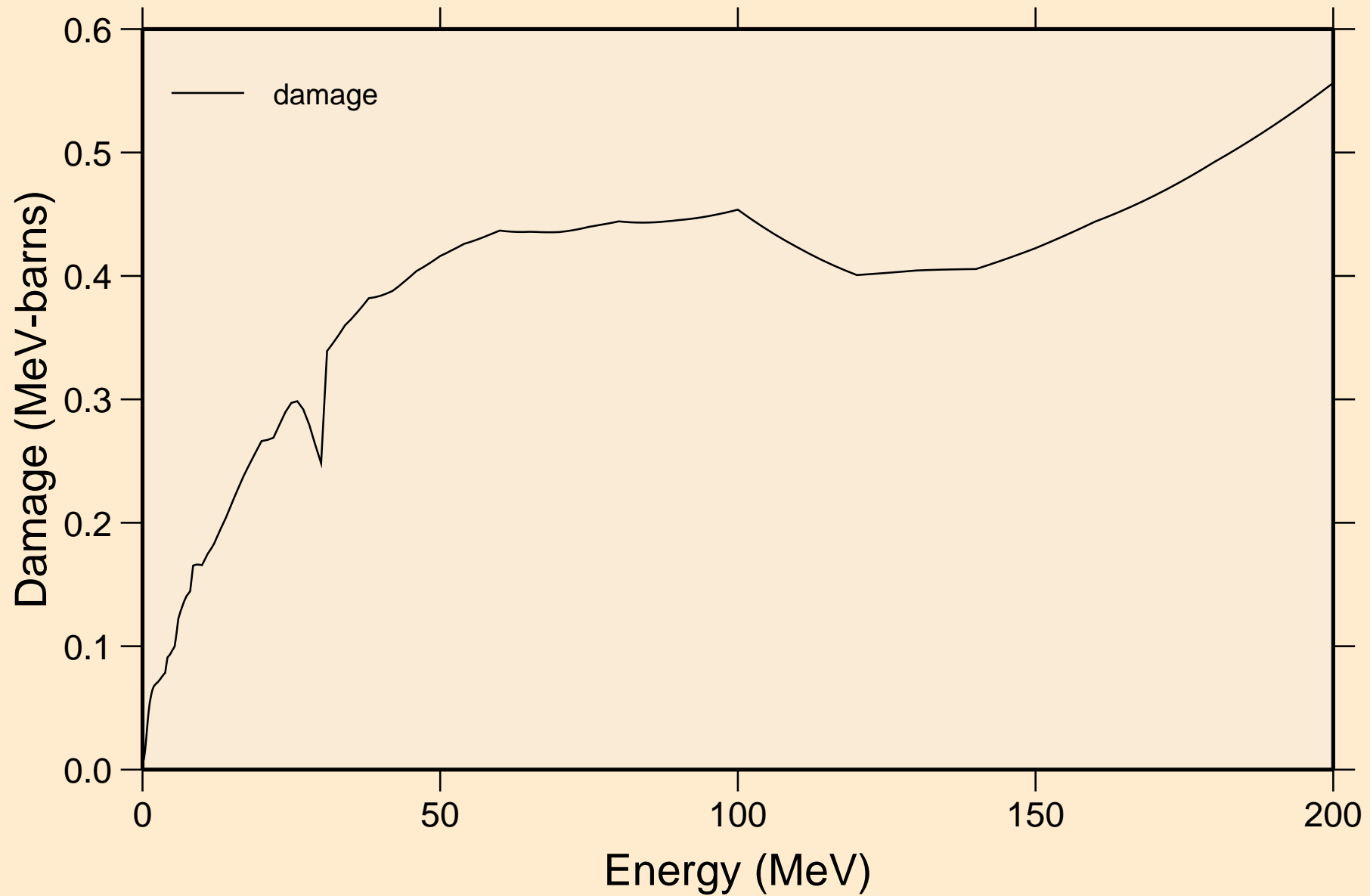


# CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

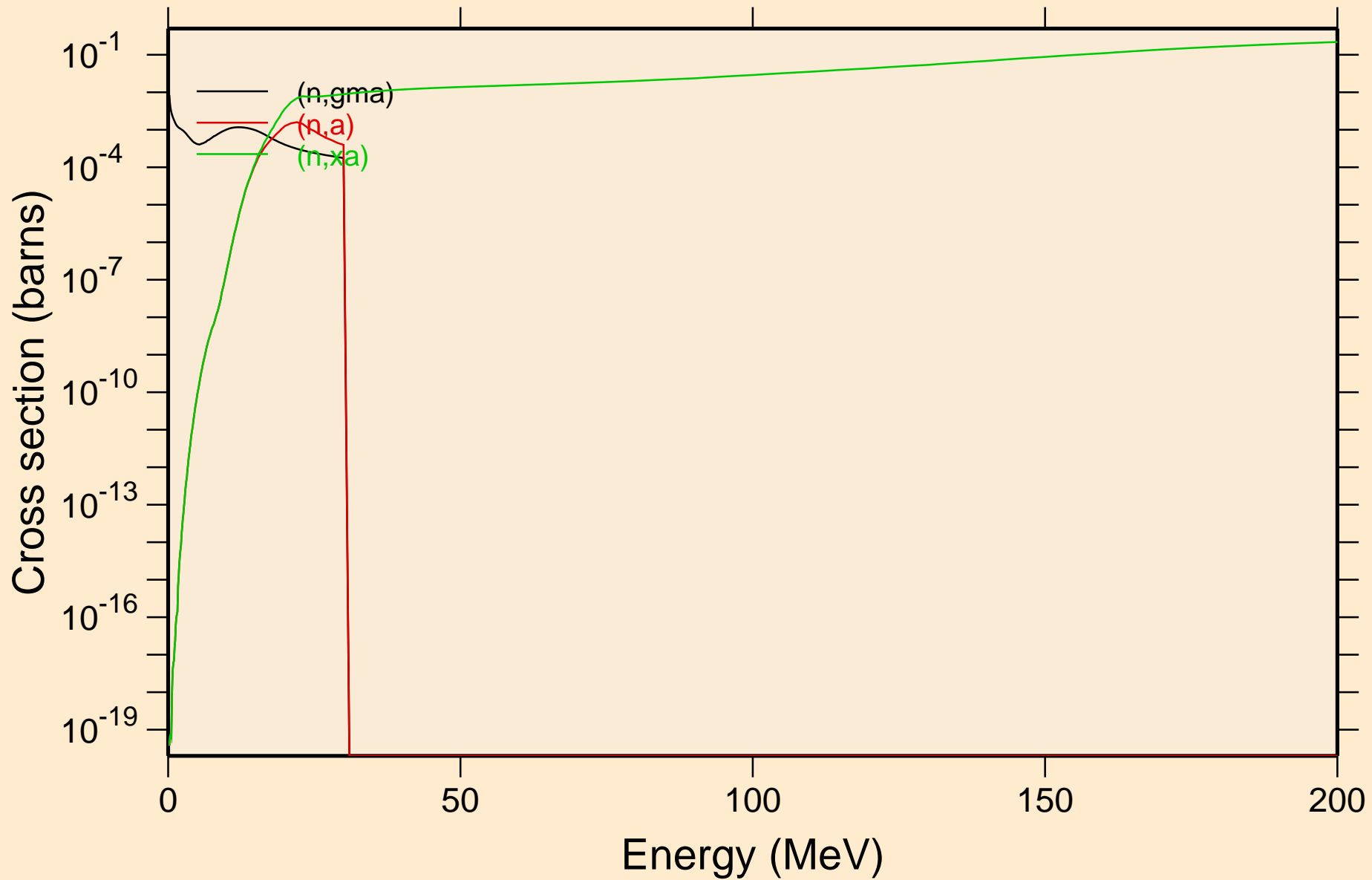
## Heating



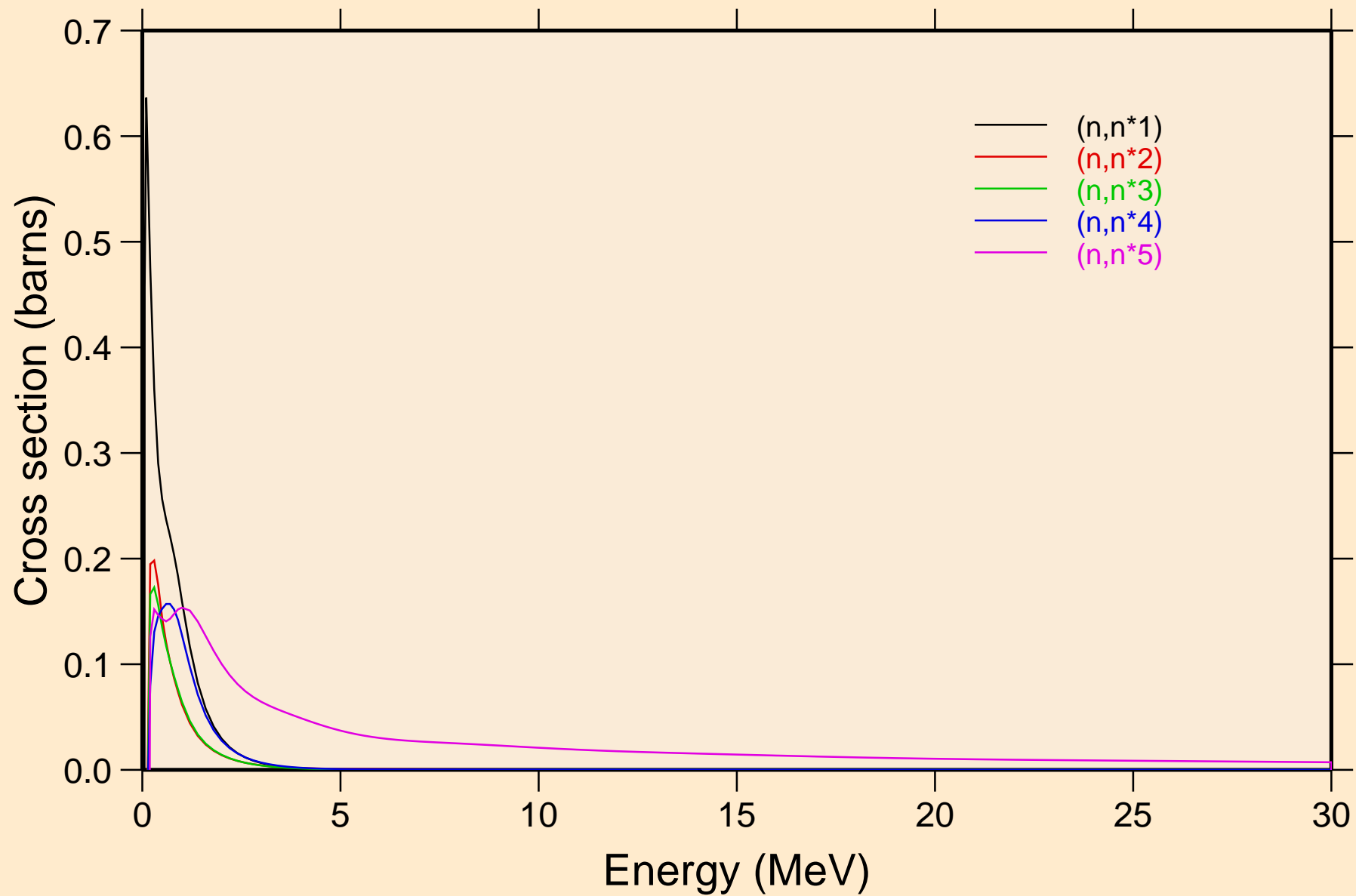
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



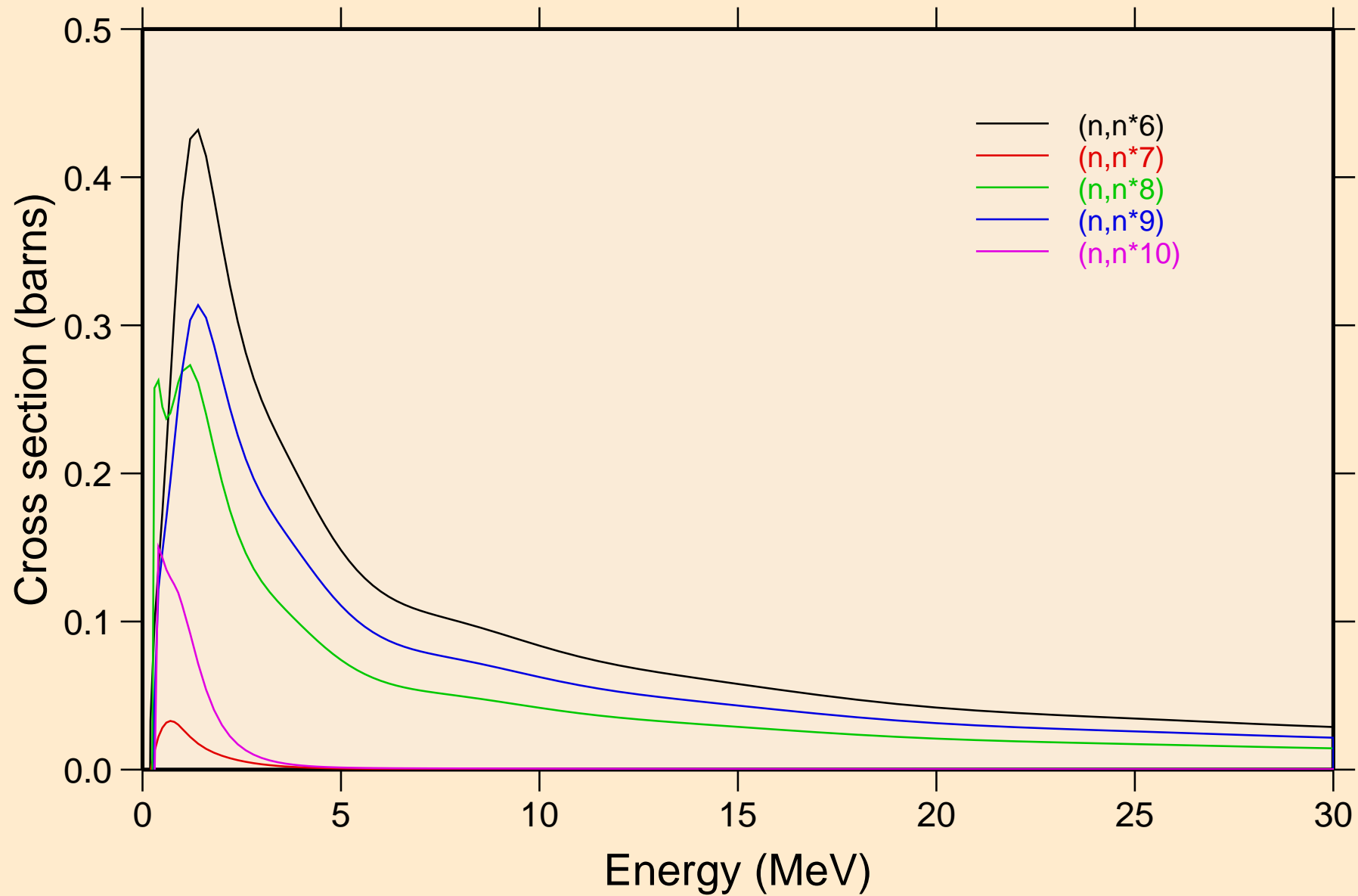
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



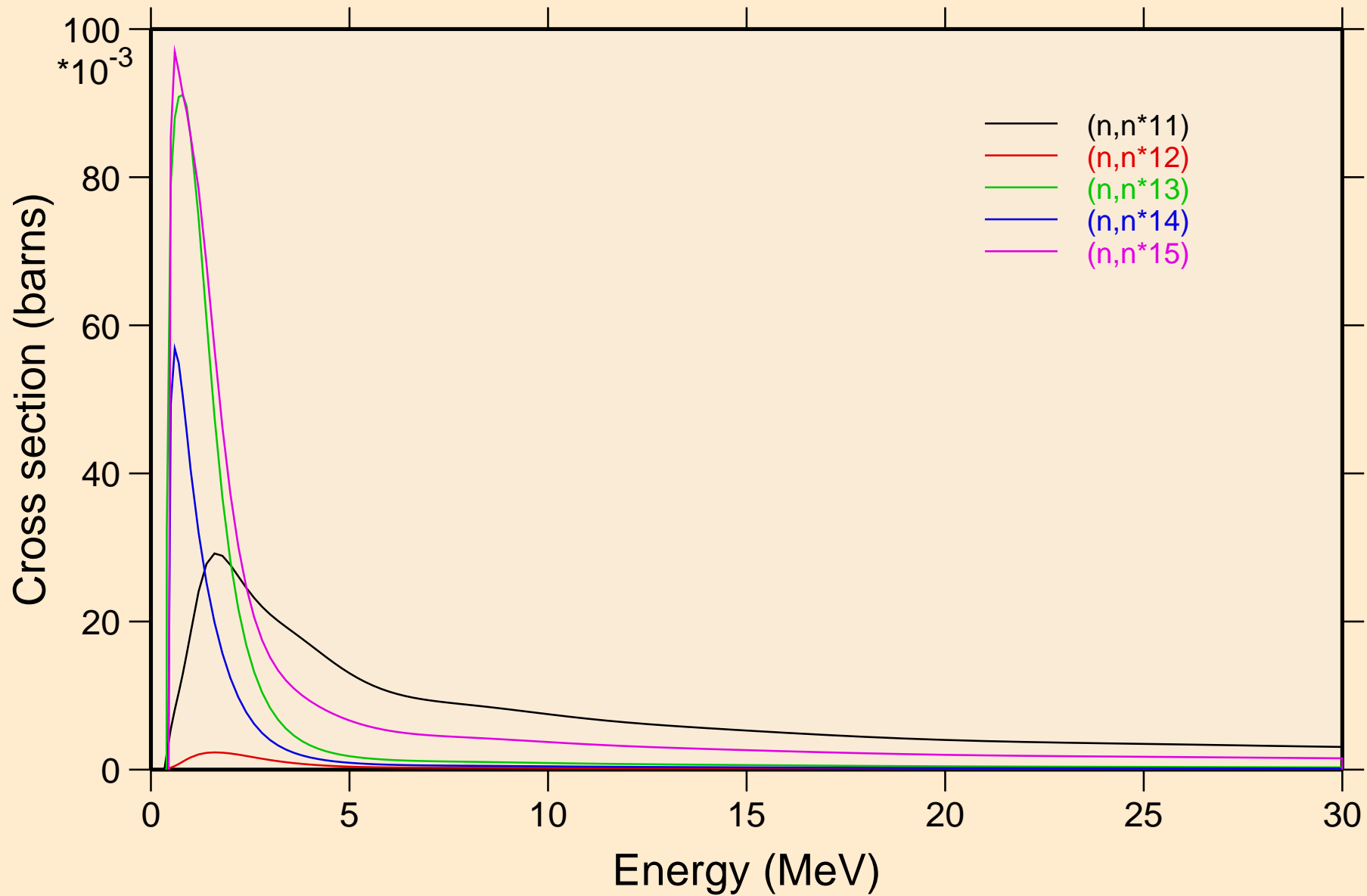
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



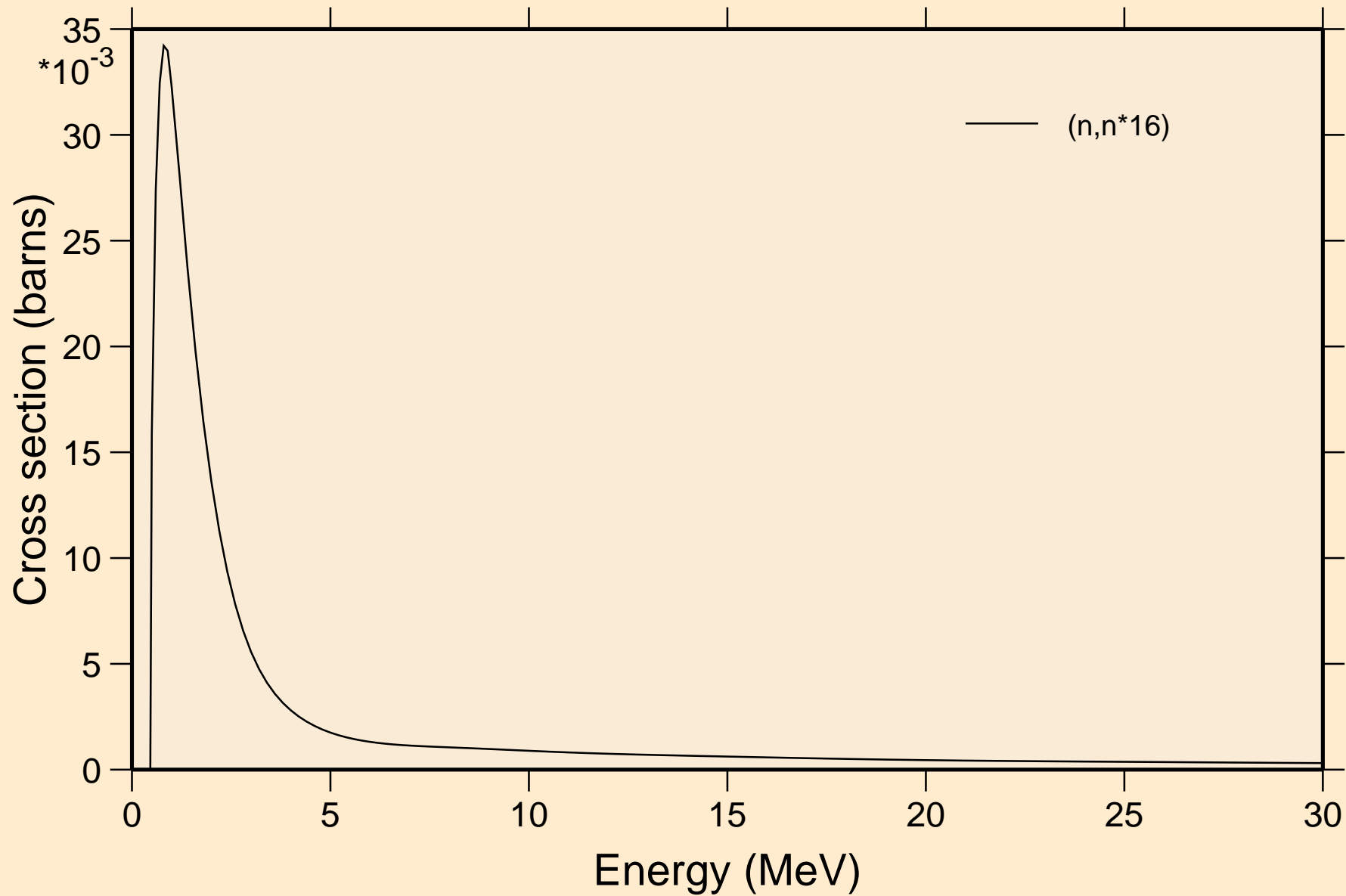
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



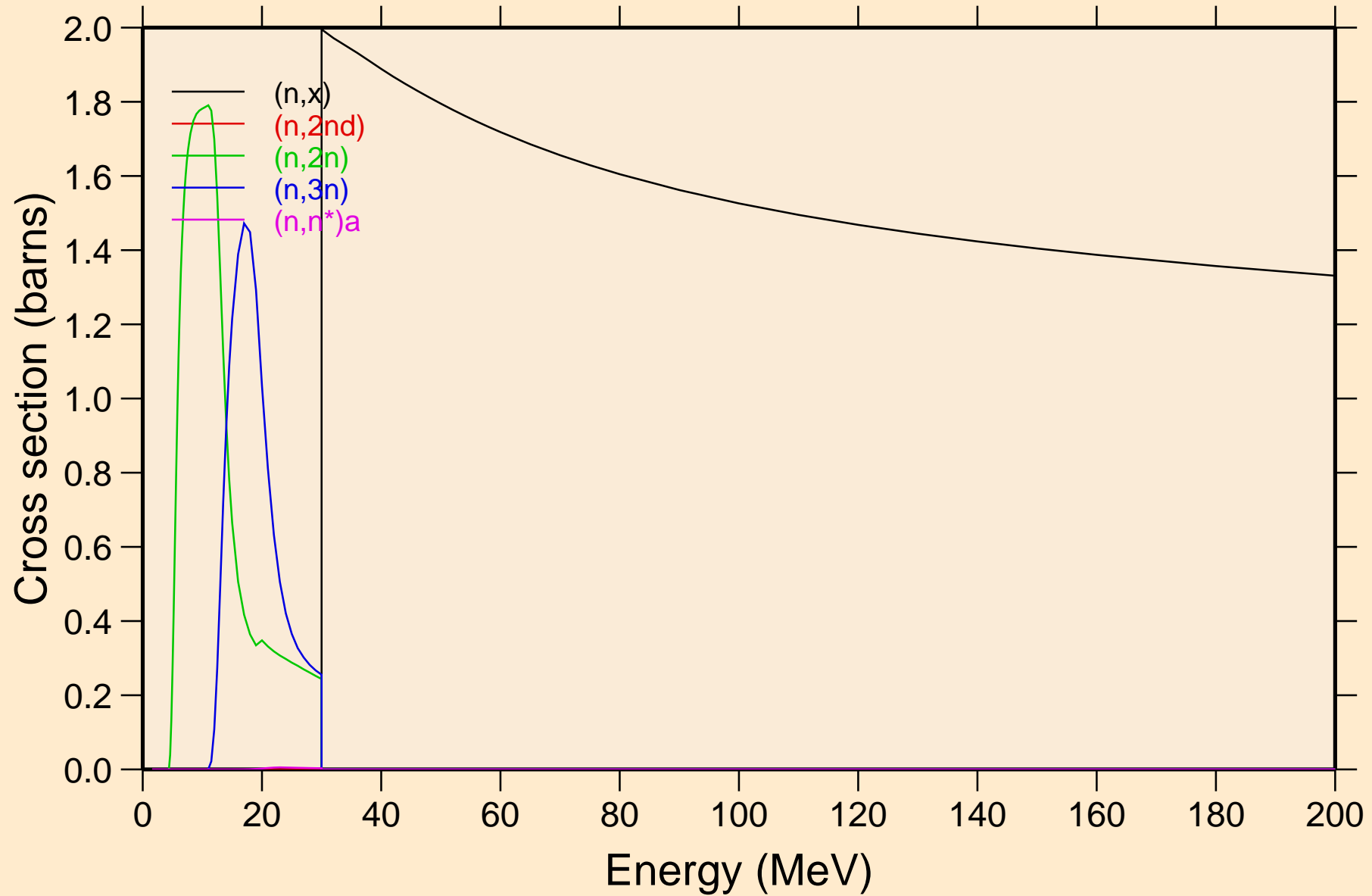
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

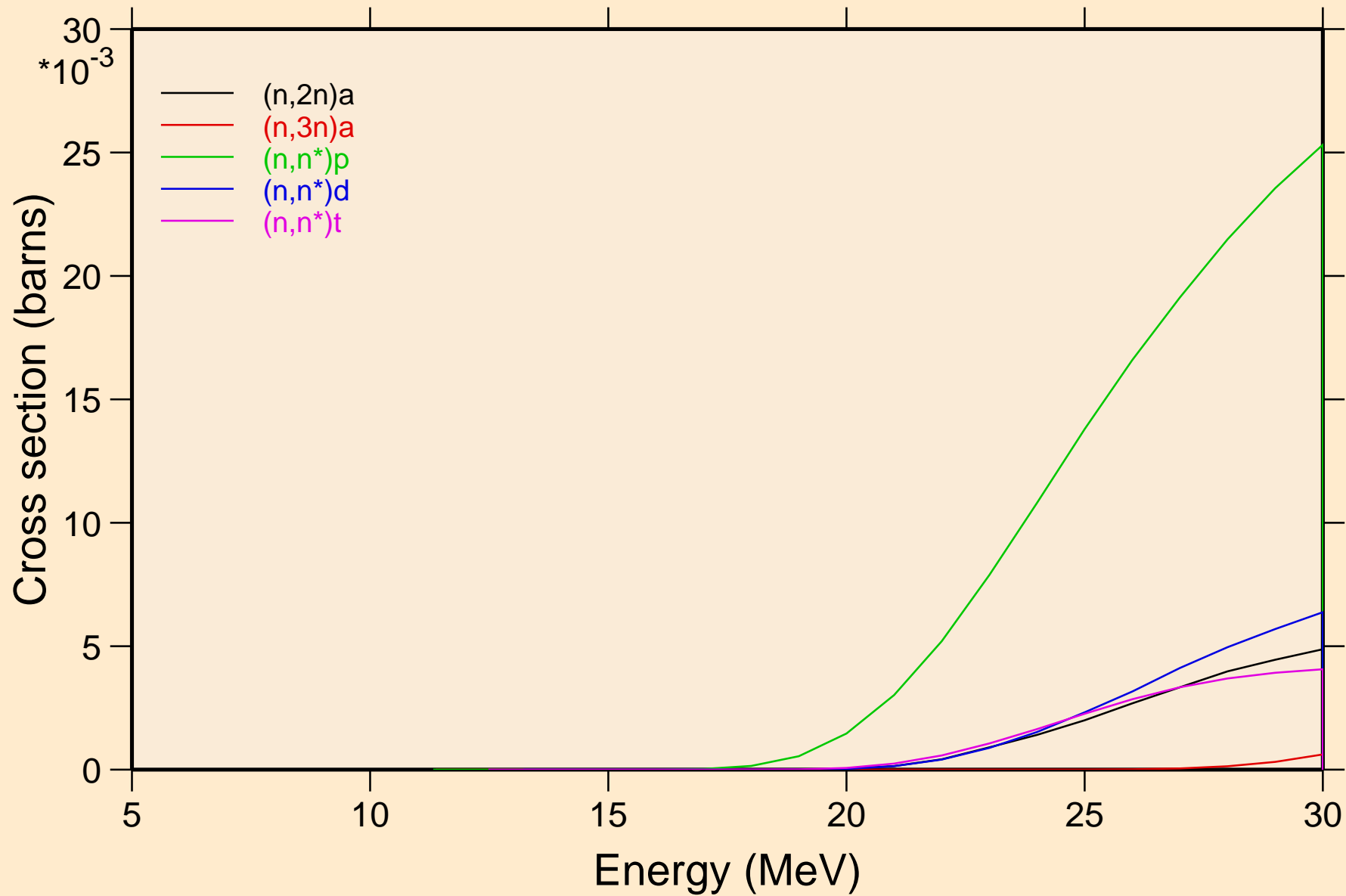


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

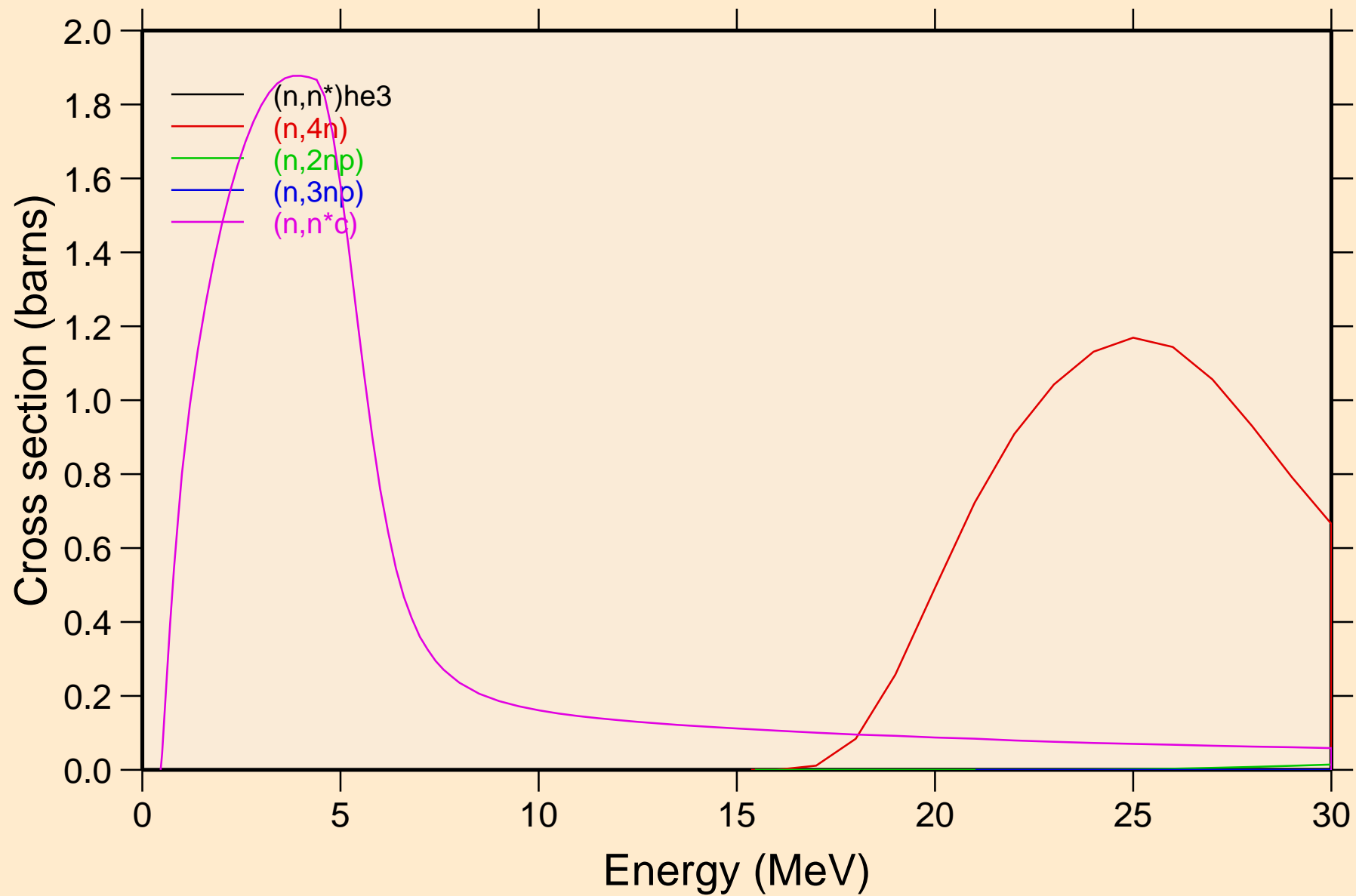


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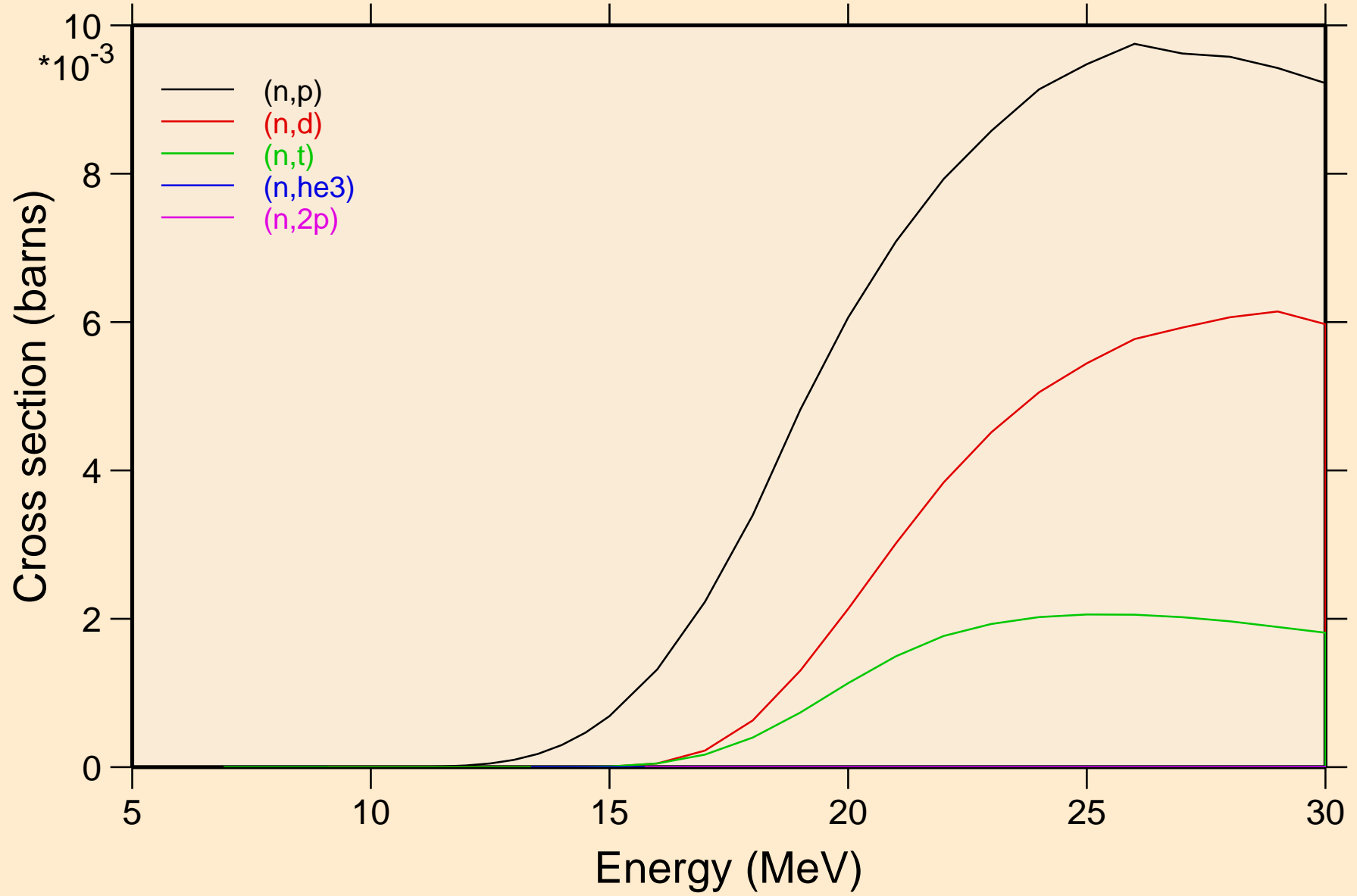
## Threshold reactions



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

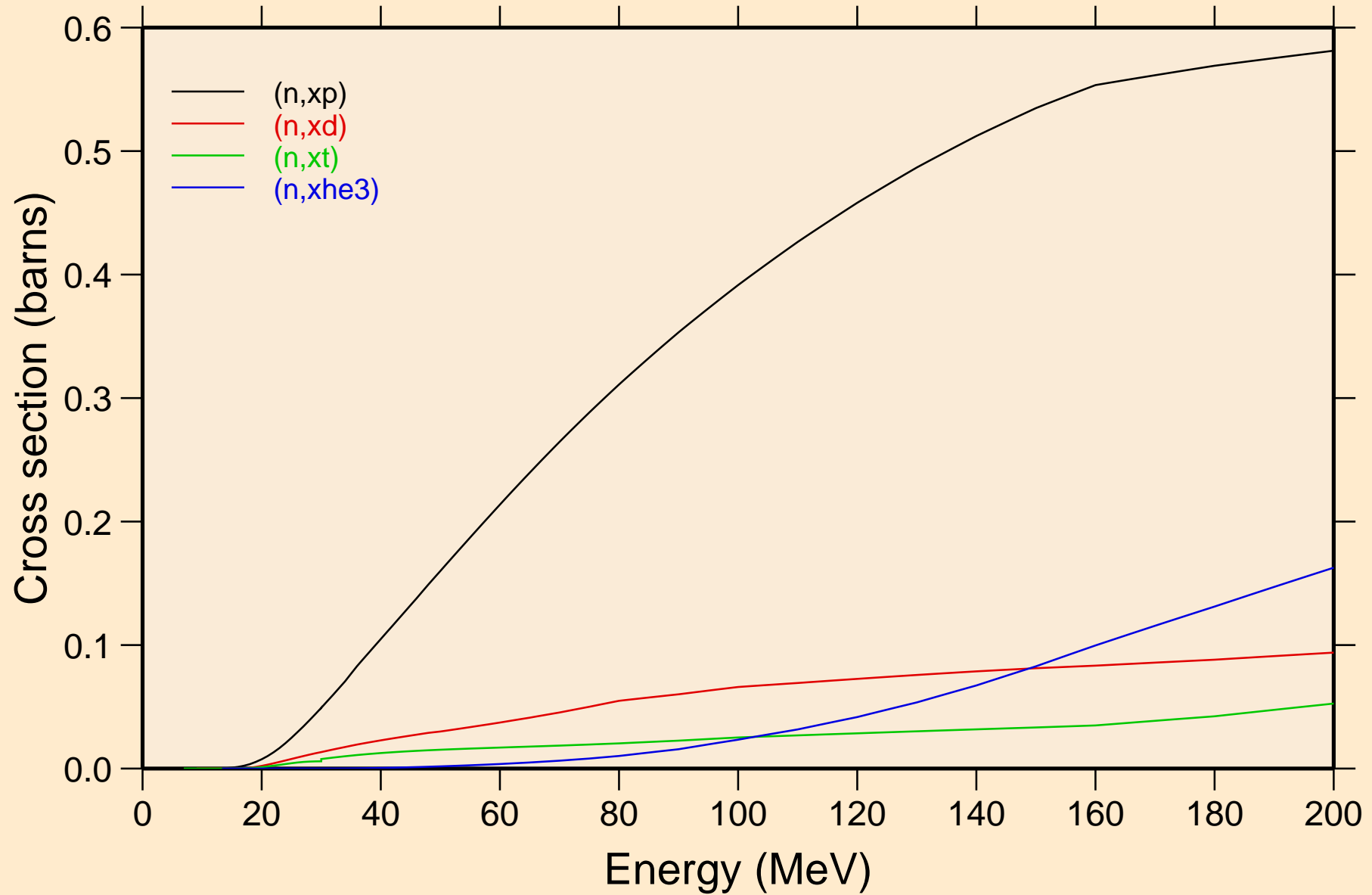


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

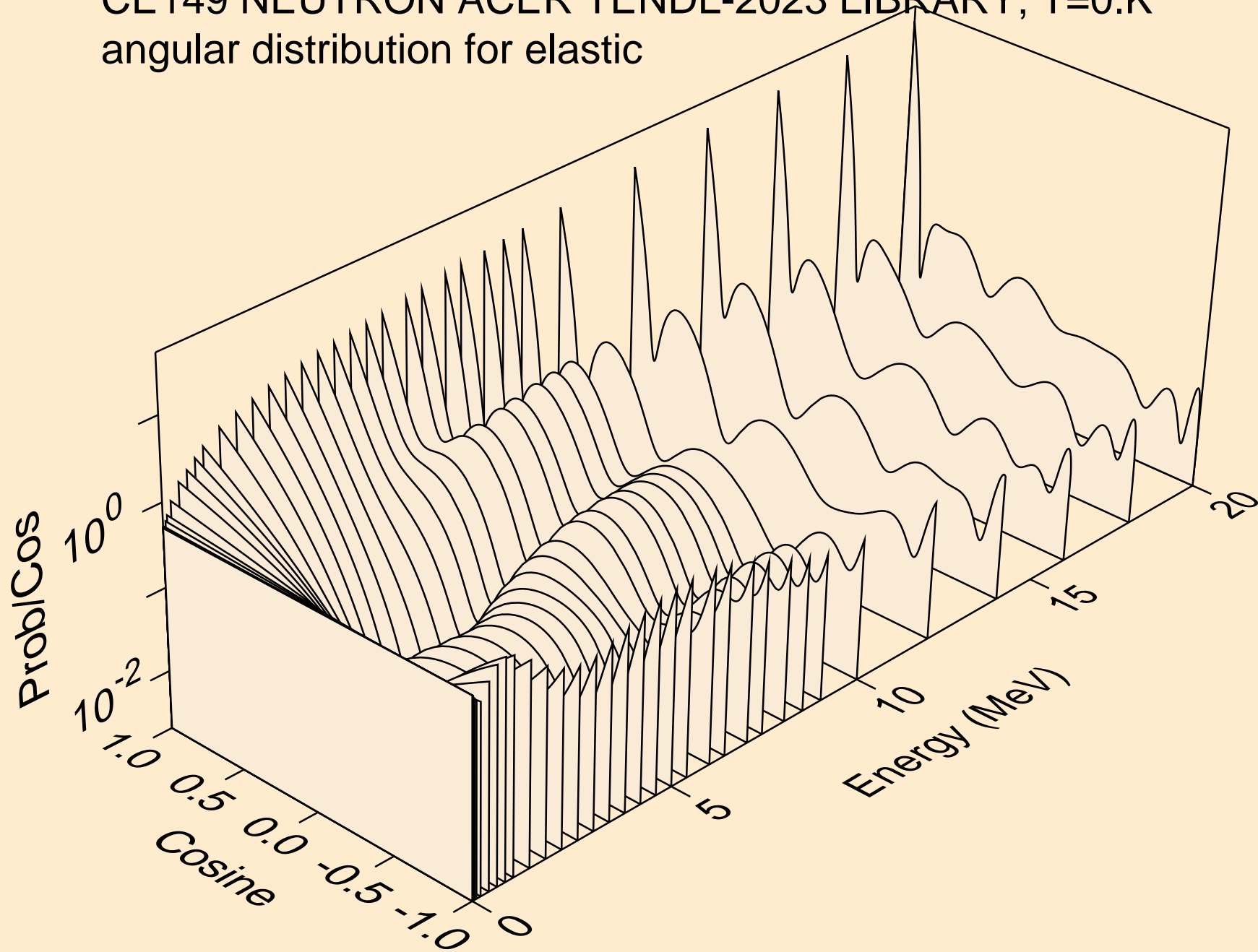


# CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

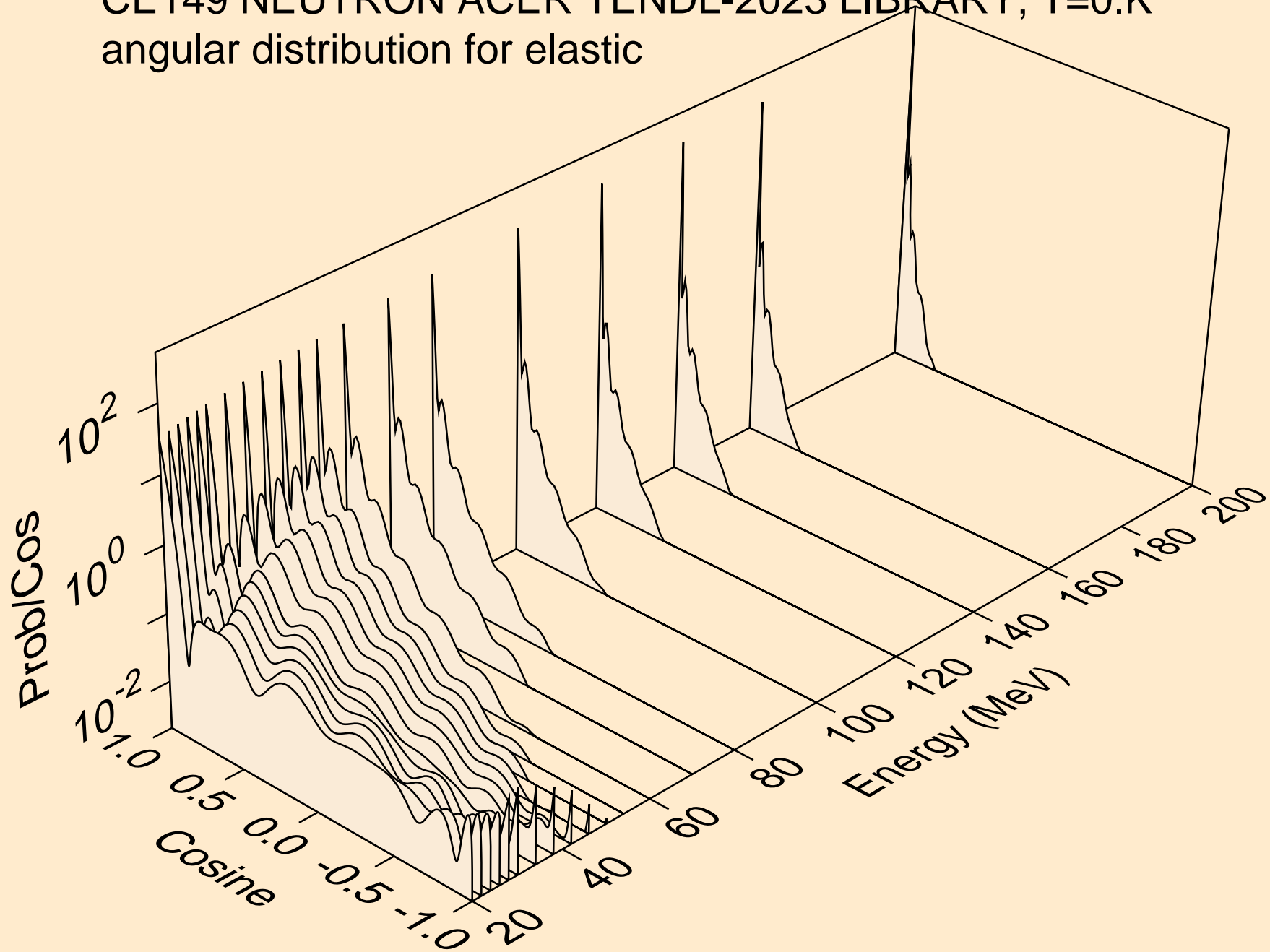
## Threshold reactions



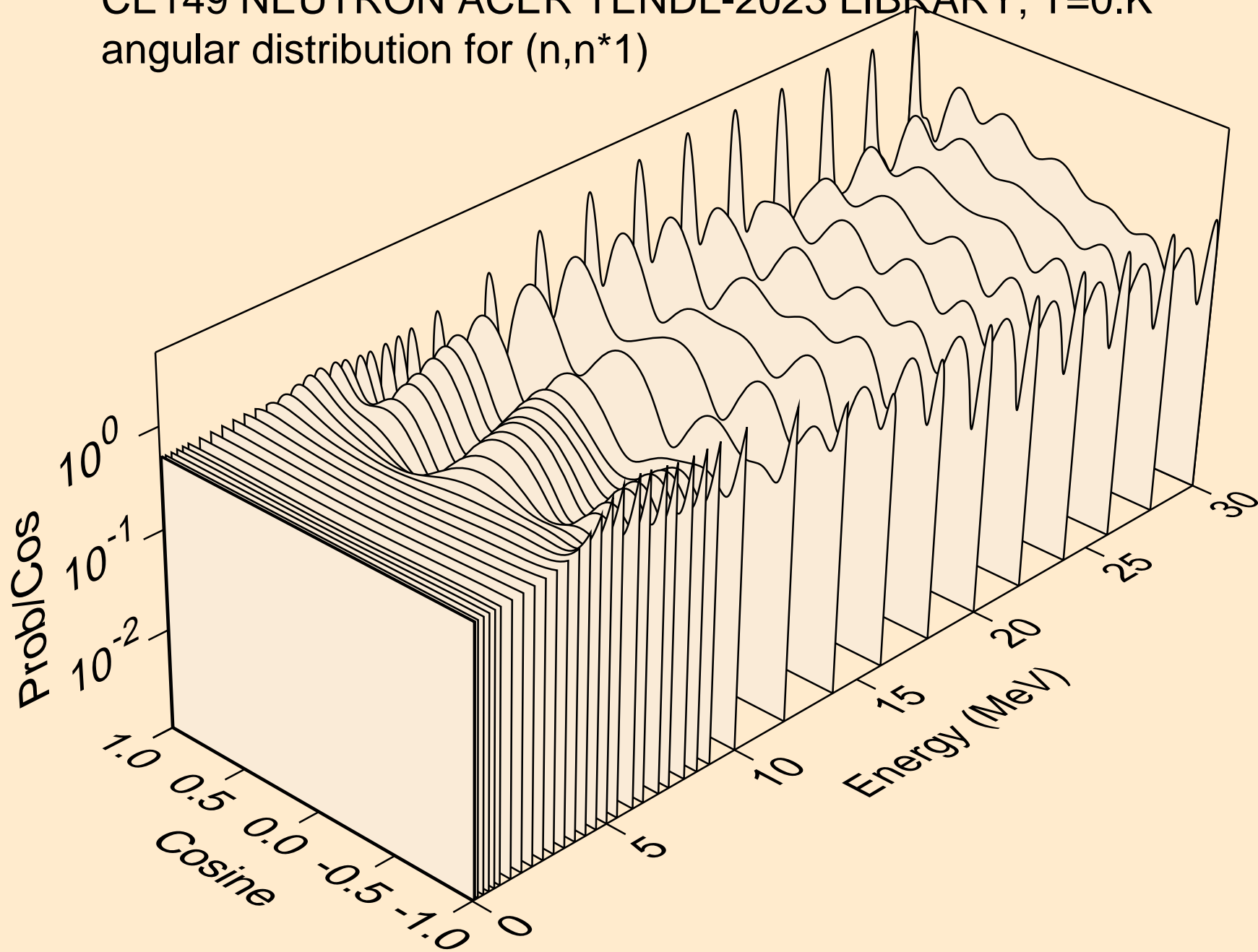
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



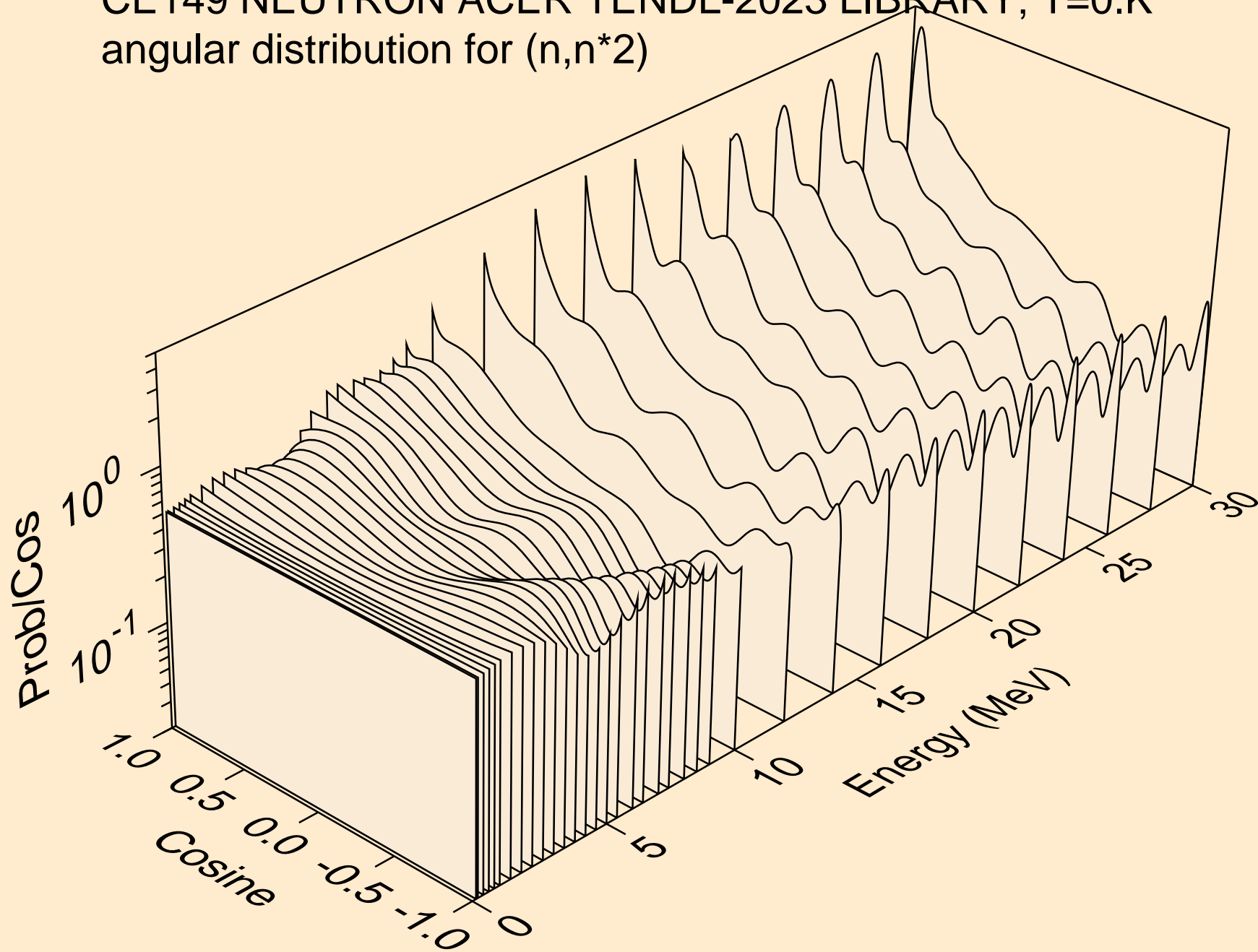
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



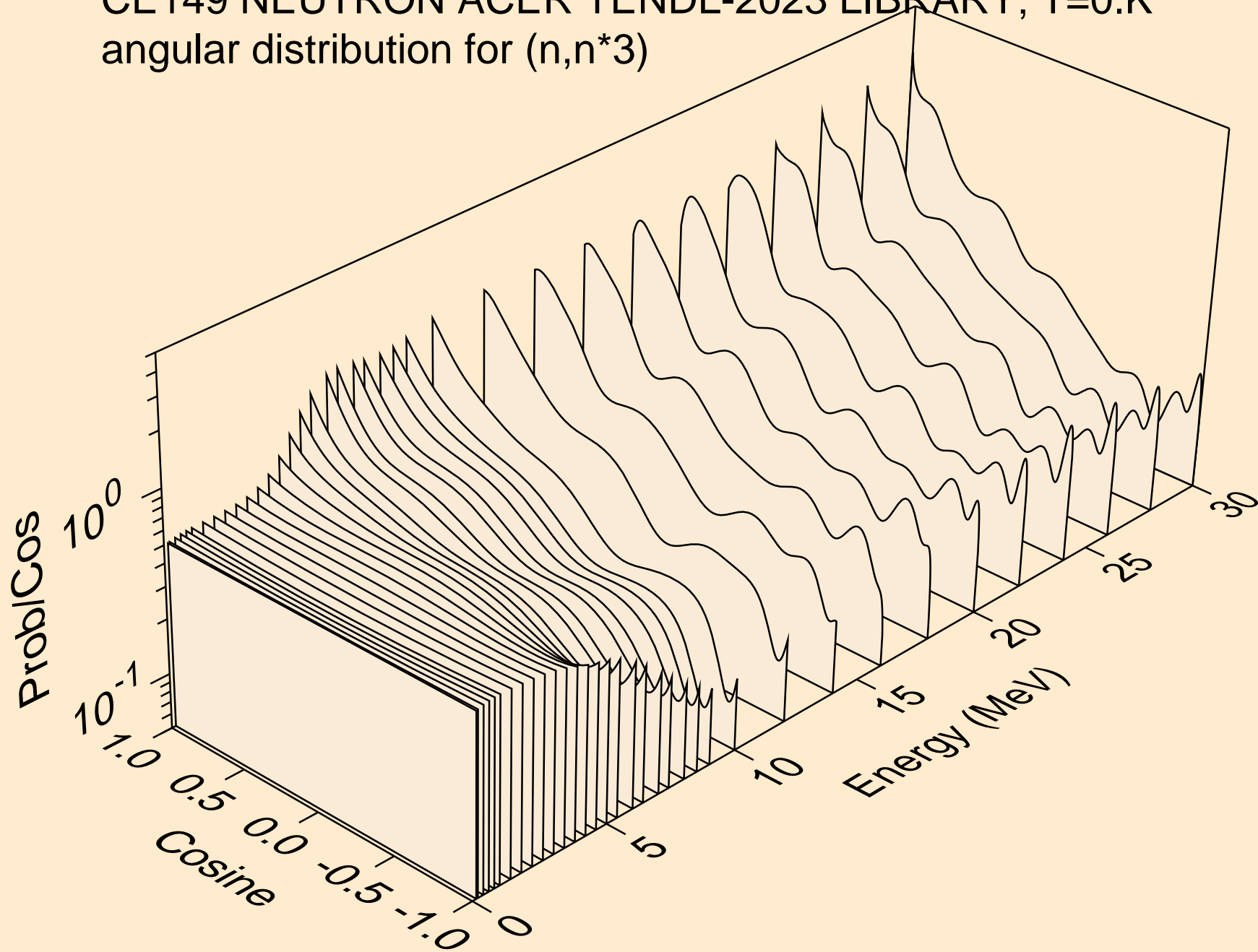
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



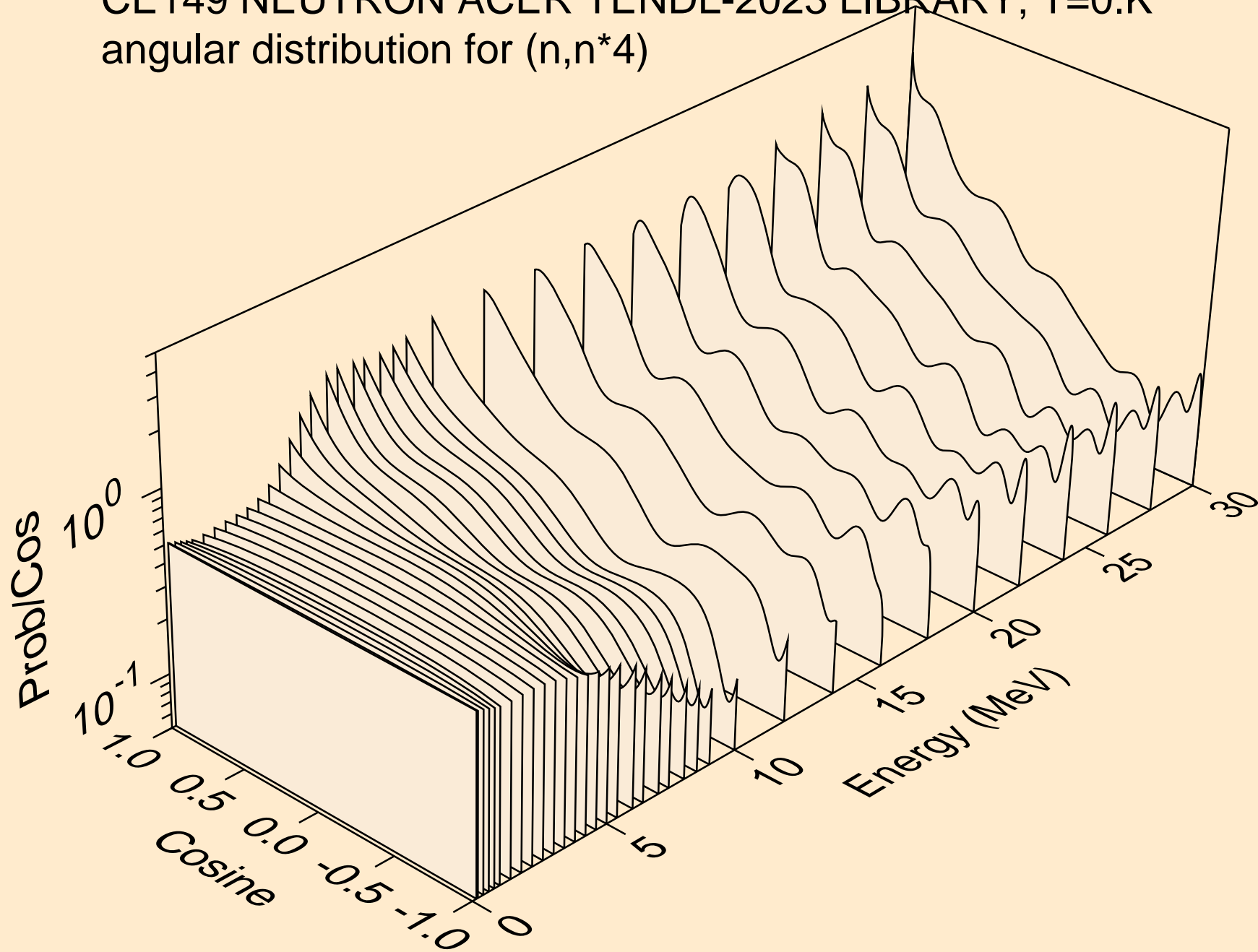
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angular distribution for (n,n\*2)



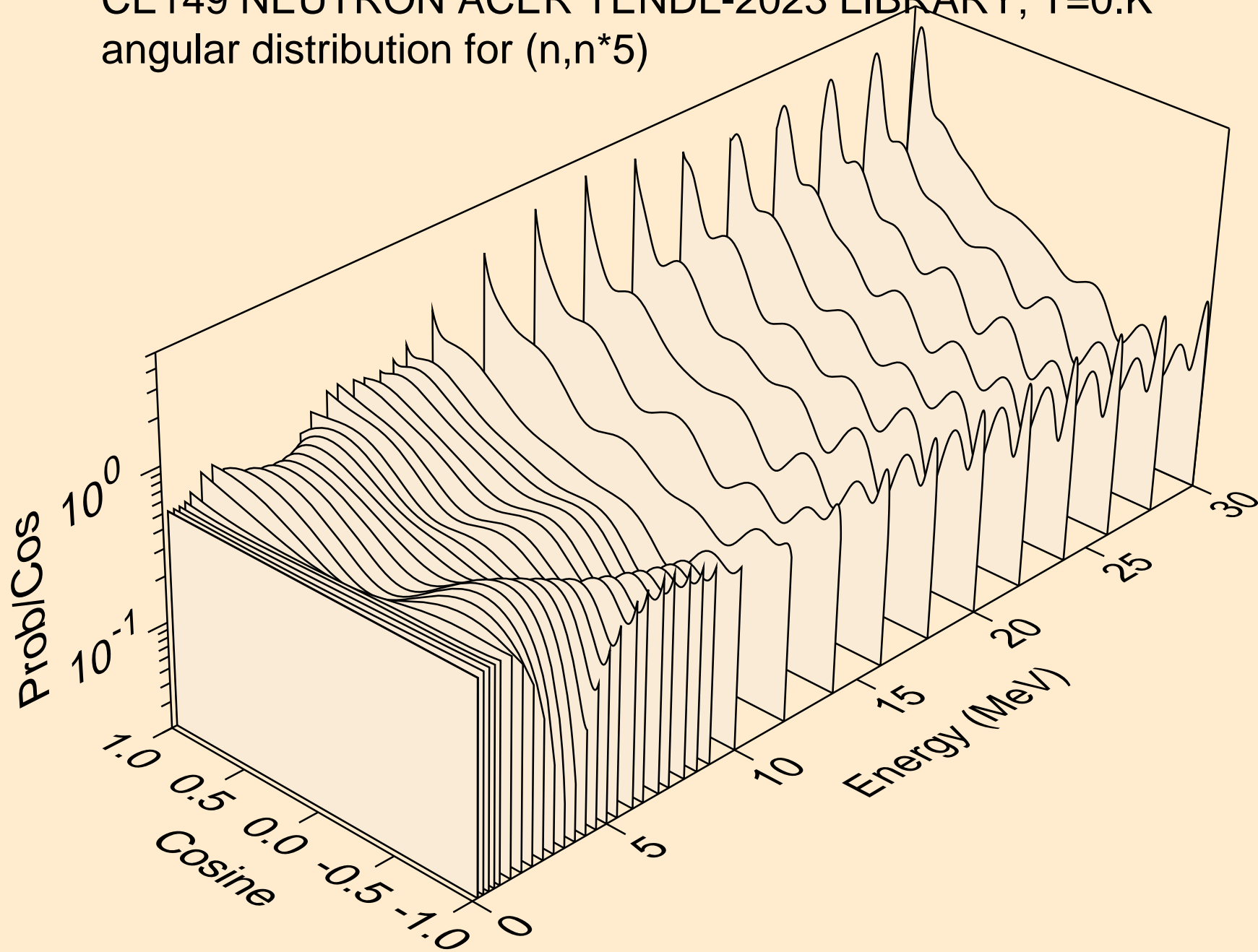
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angular distribution for (n,n\*3)



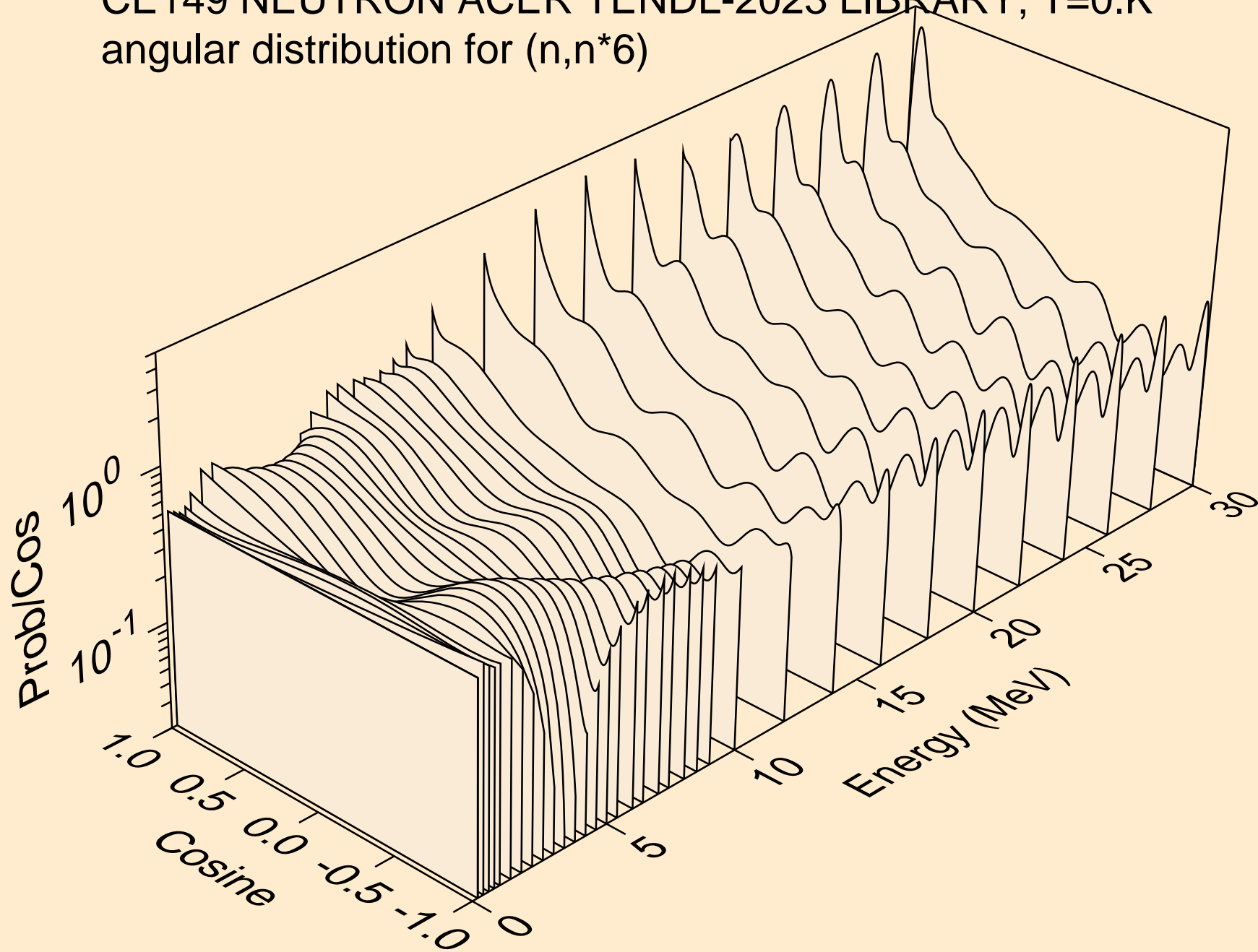
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angular distribution for (n,n\*4)



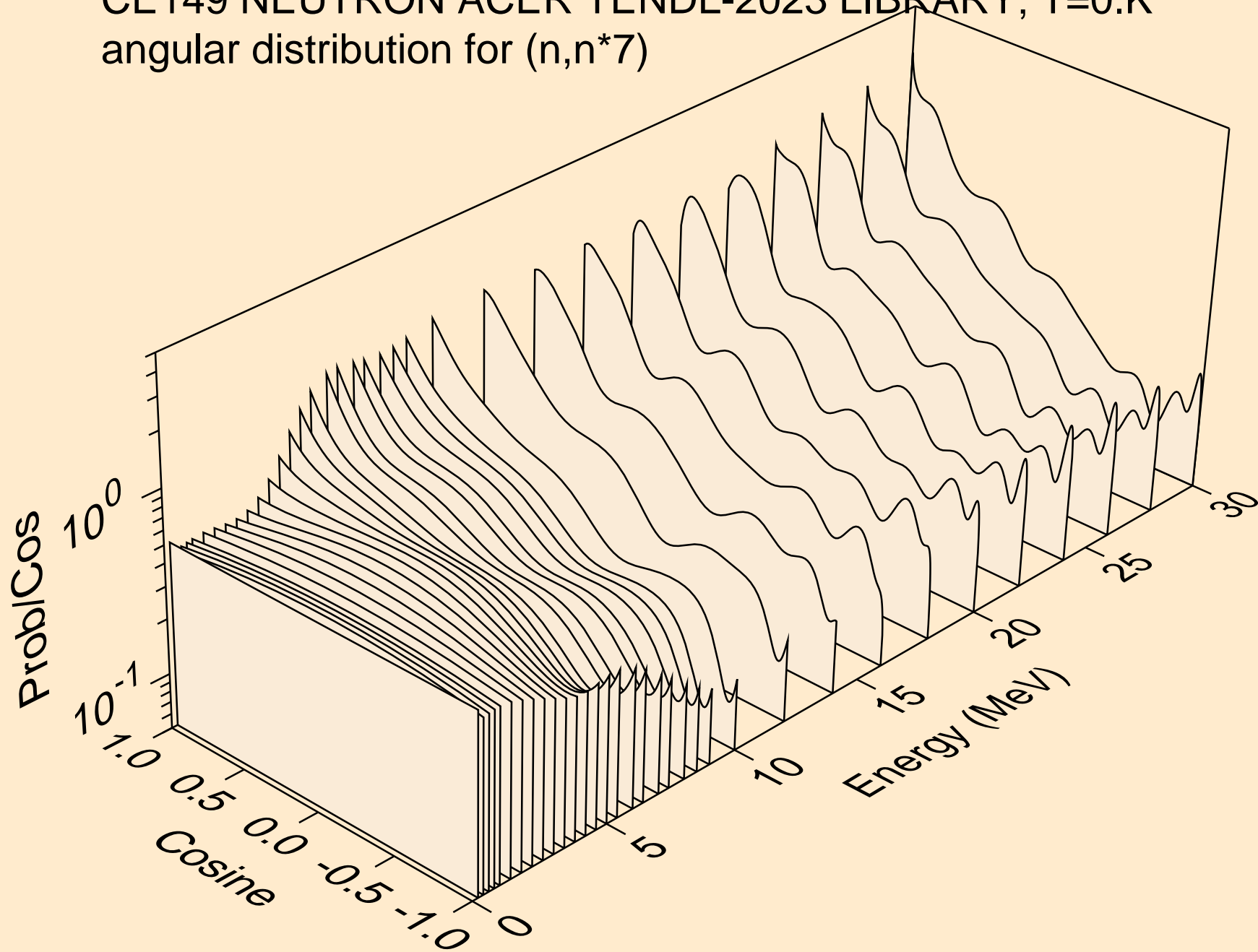
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angular distribution for (n,n\*5)



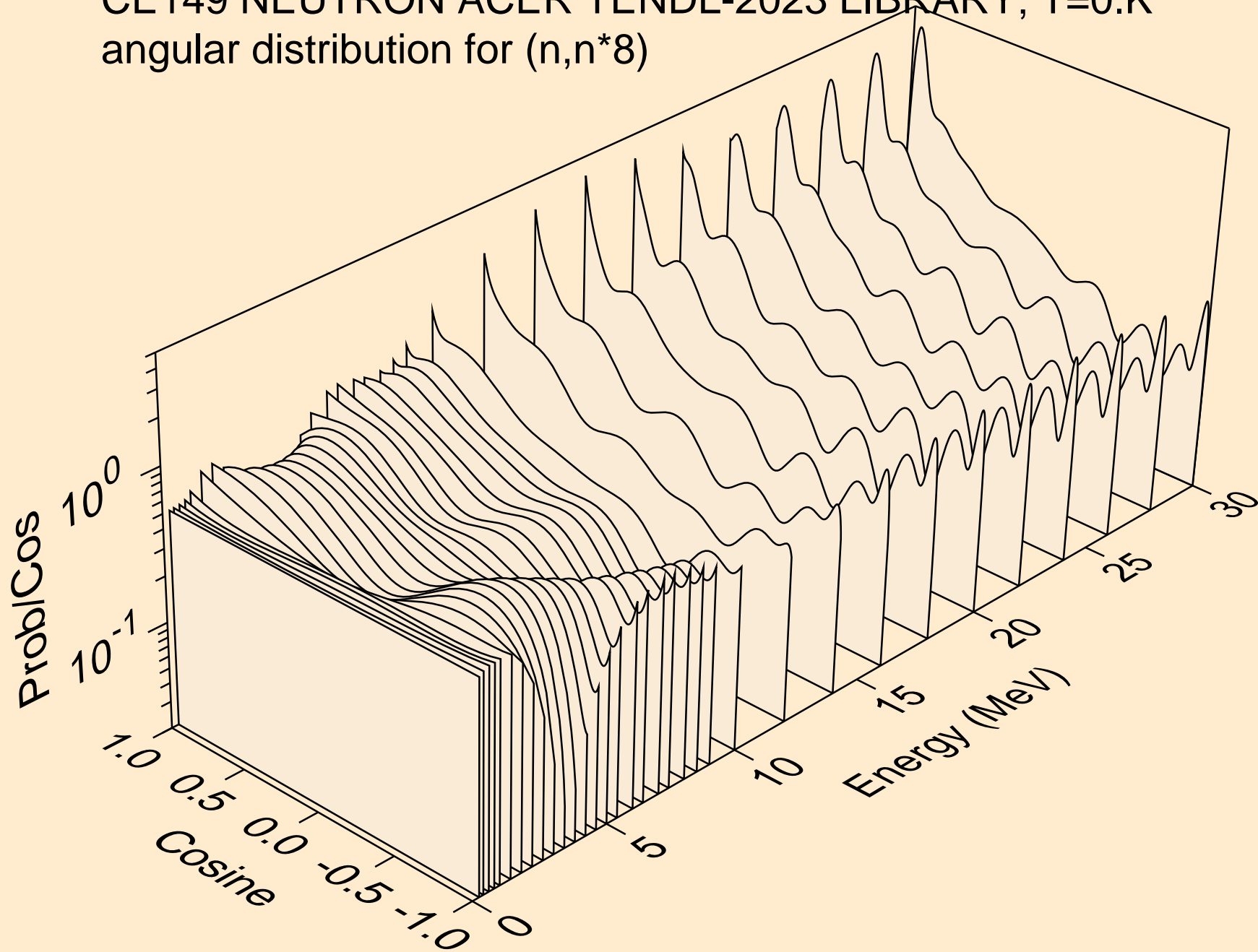
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angular distribution for (n,n\*6)



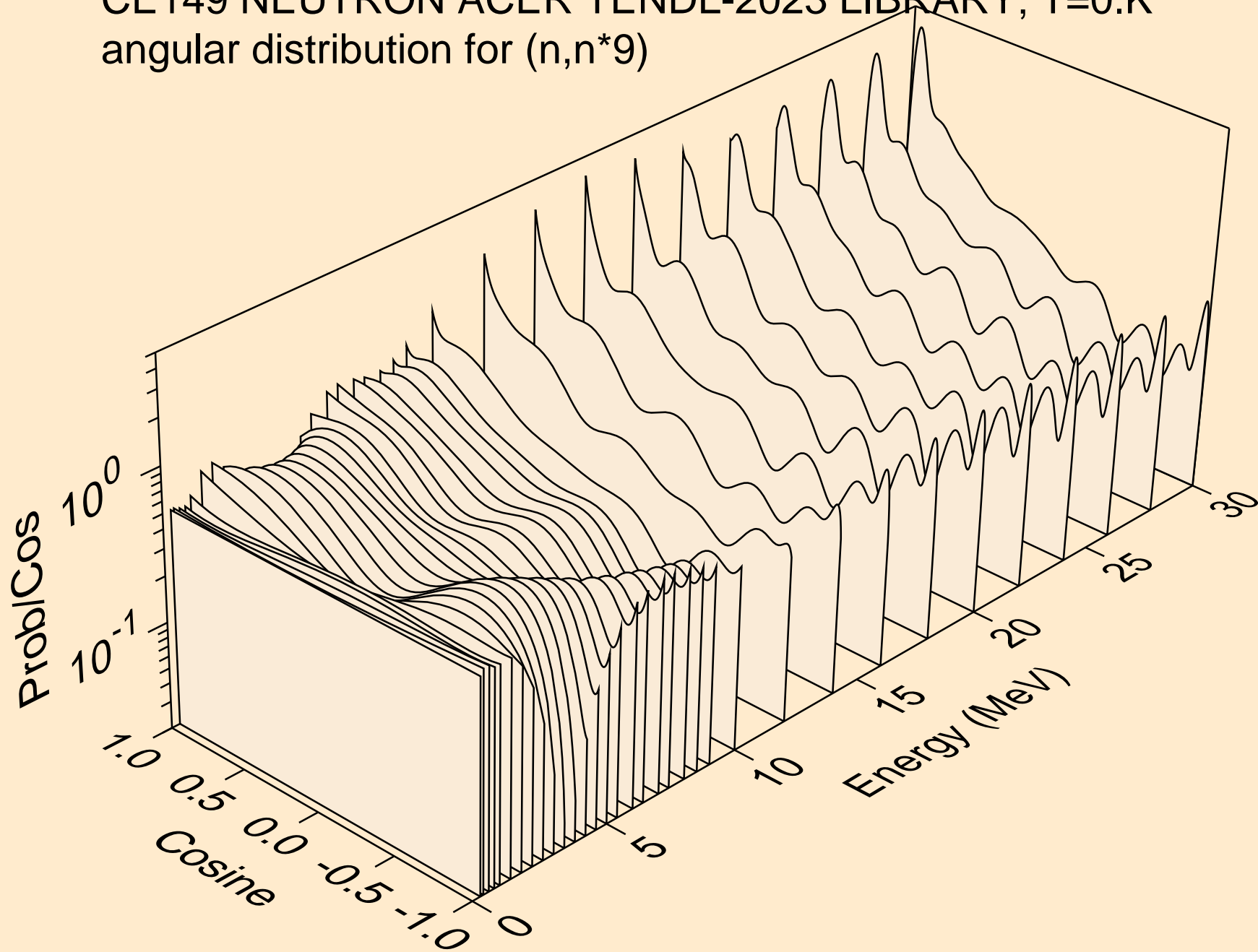
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angular distribution for (n,n\*7)



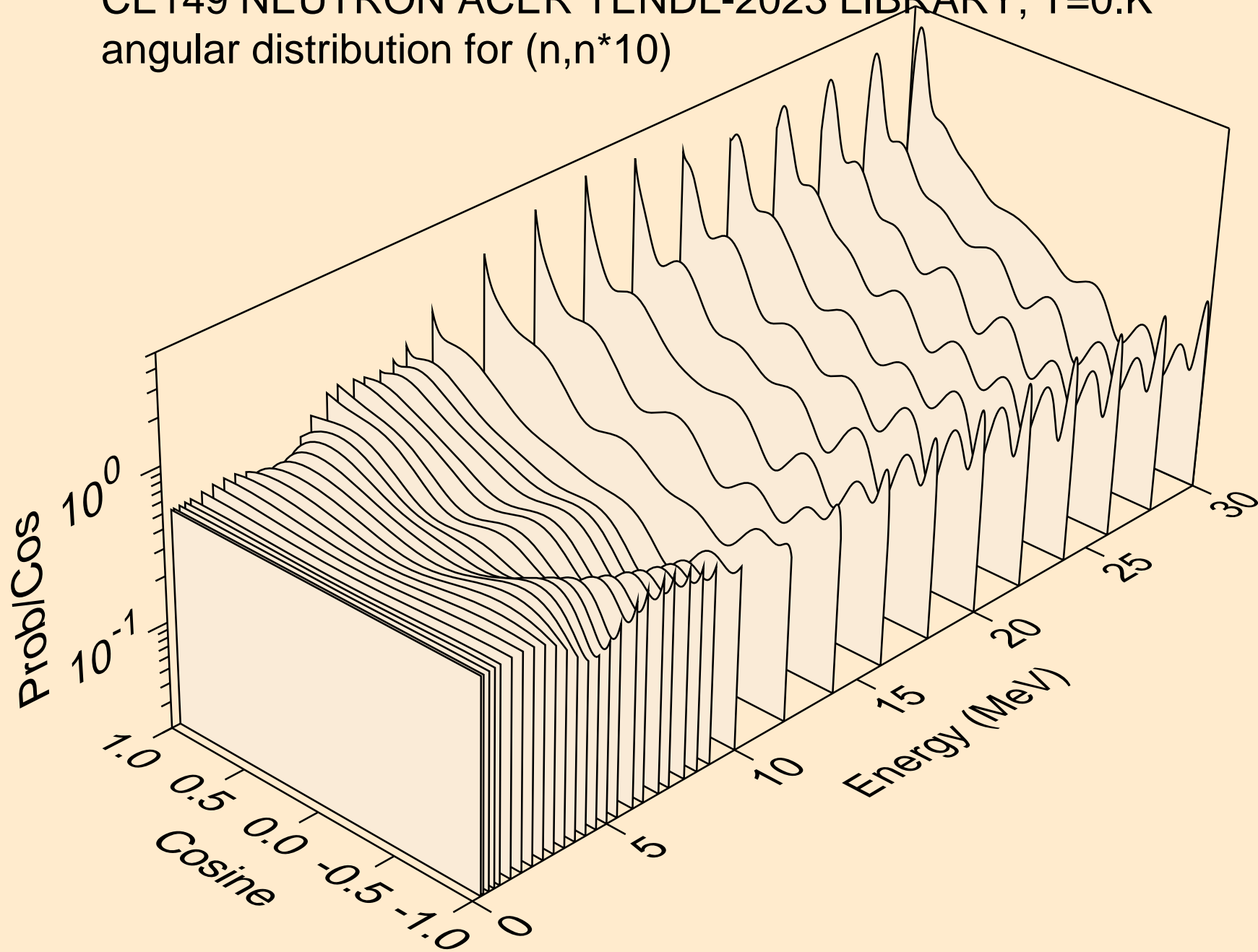
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angular distribution for (n,n\*8)



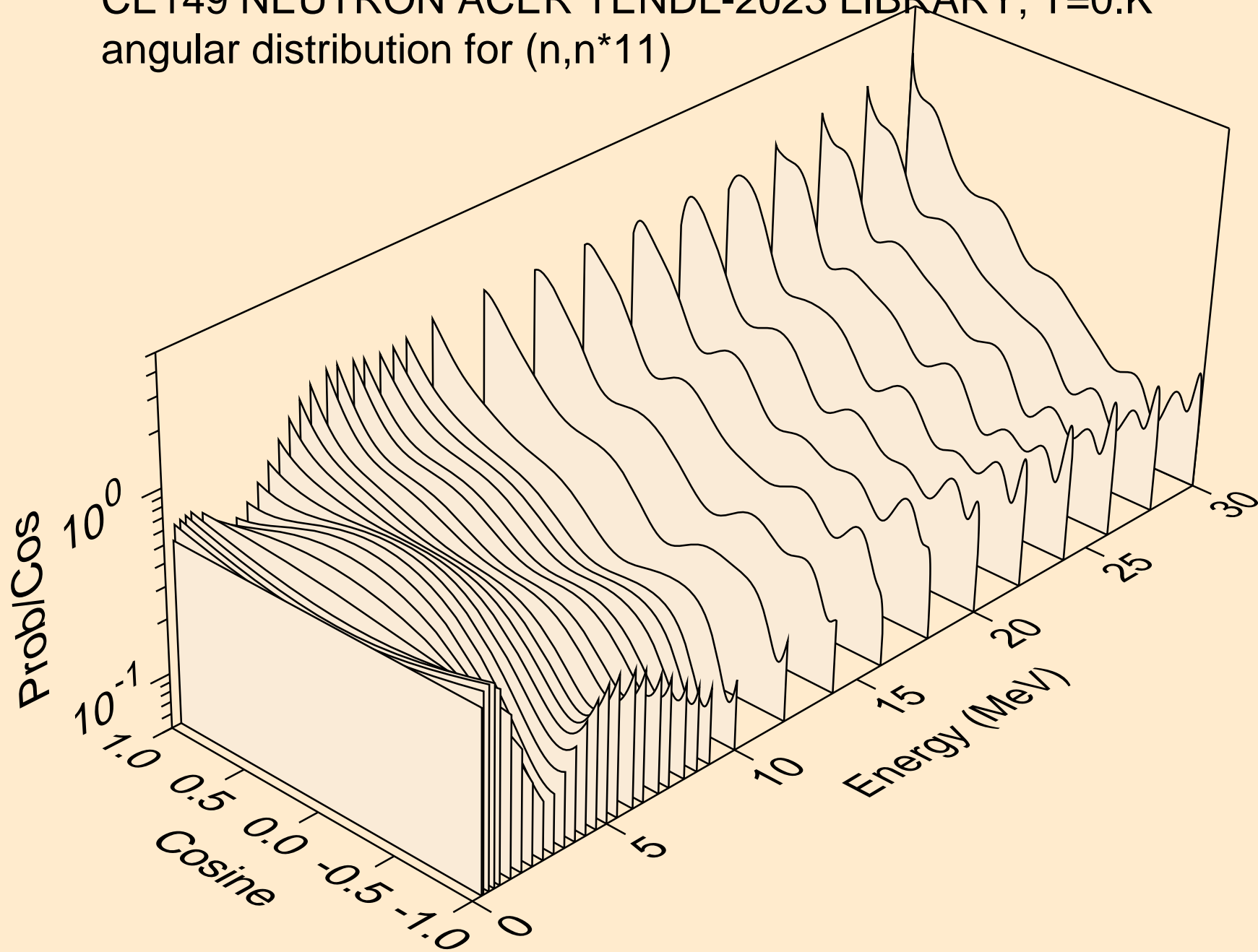
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angular distribution for (n,n\*9)



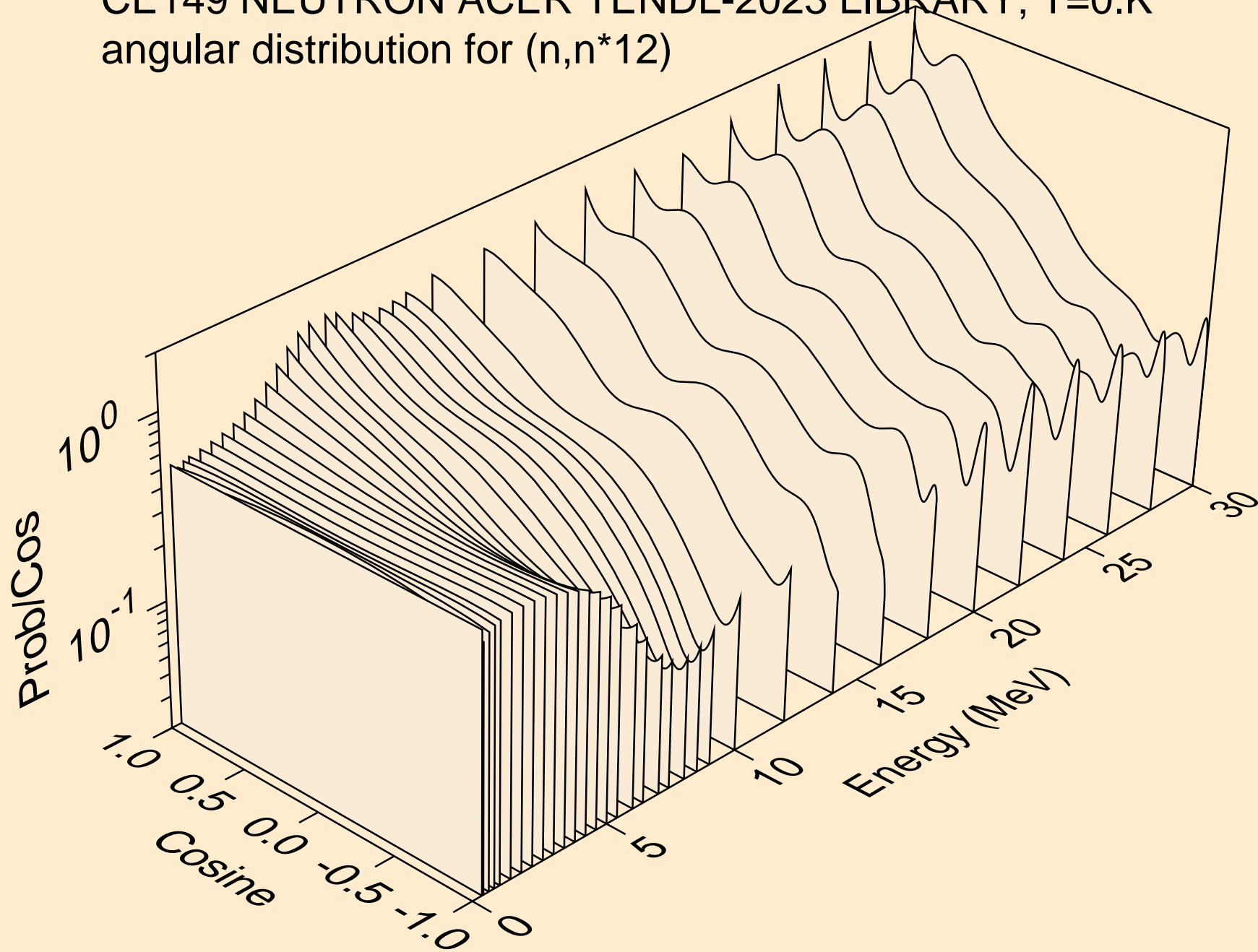
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angular distribution for (n,n\*10)



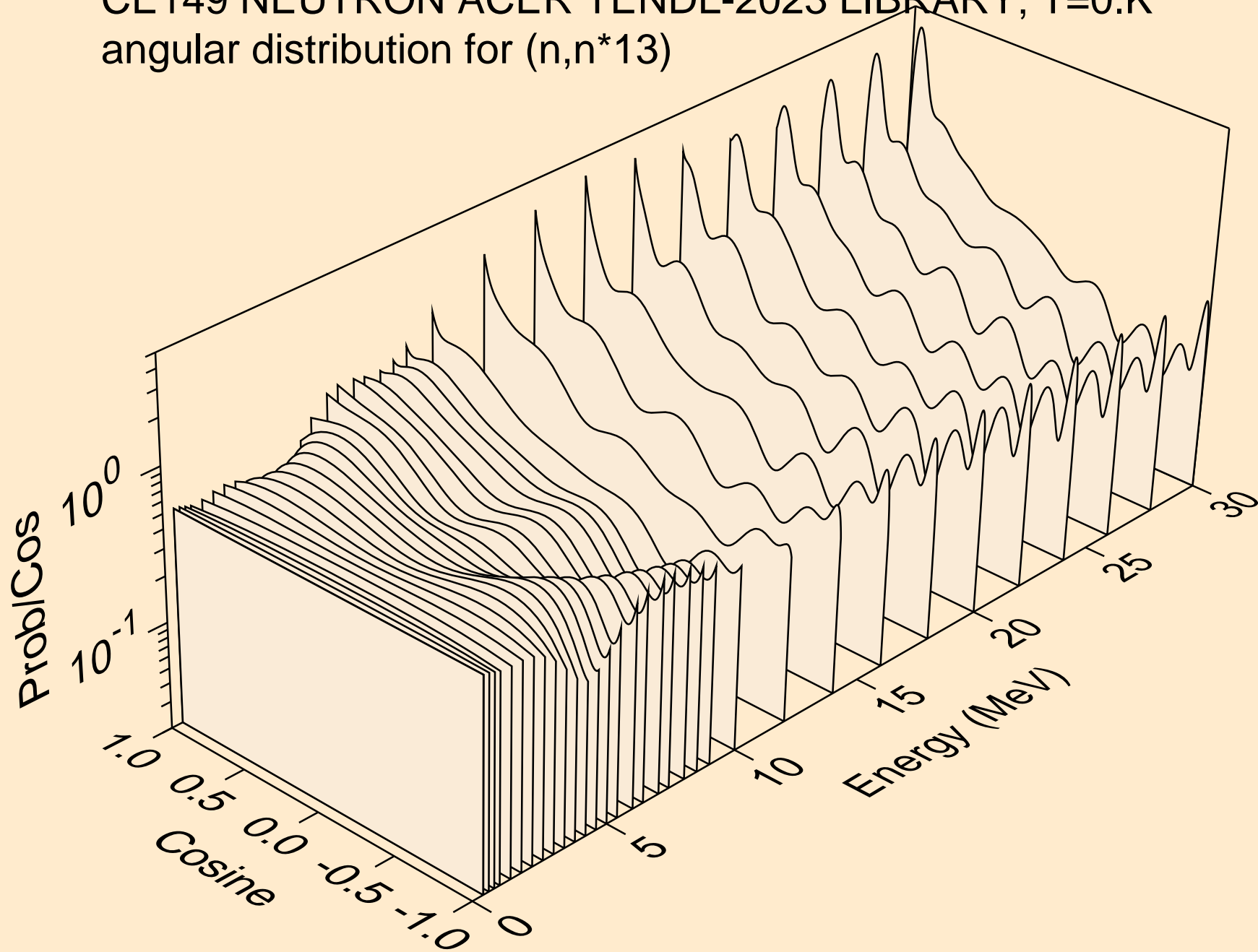
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angular distribution for (n,n\*11)



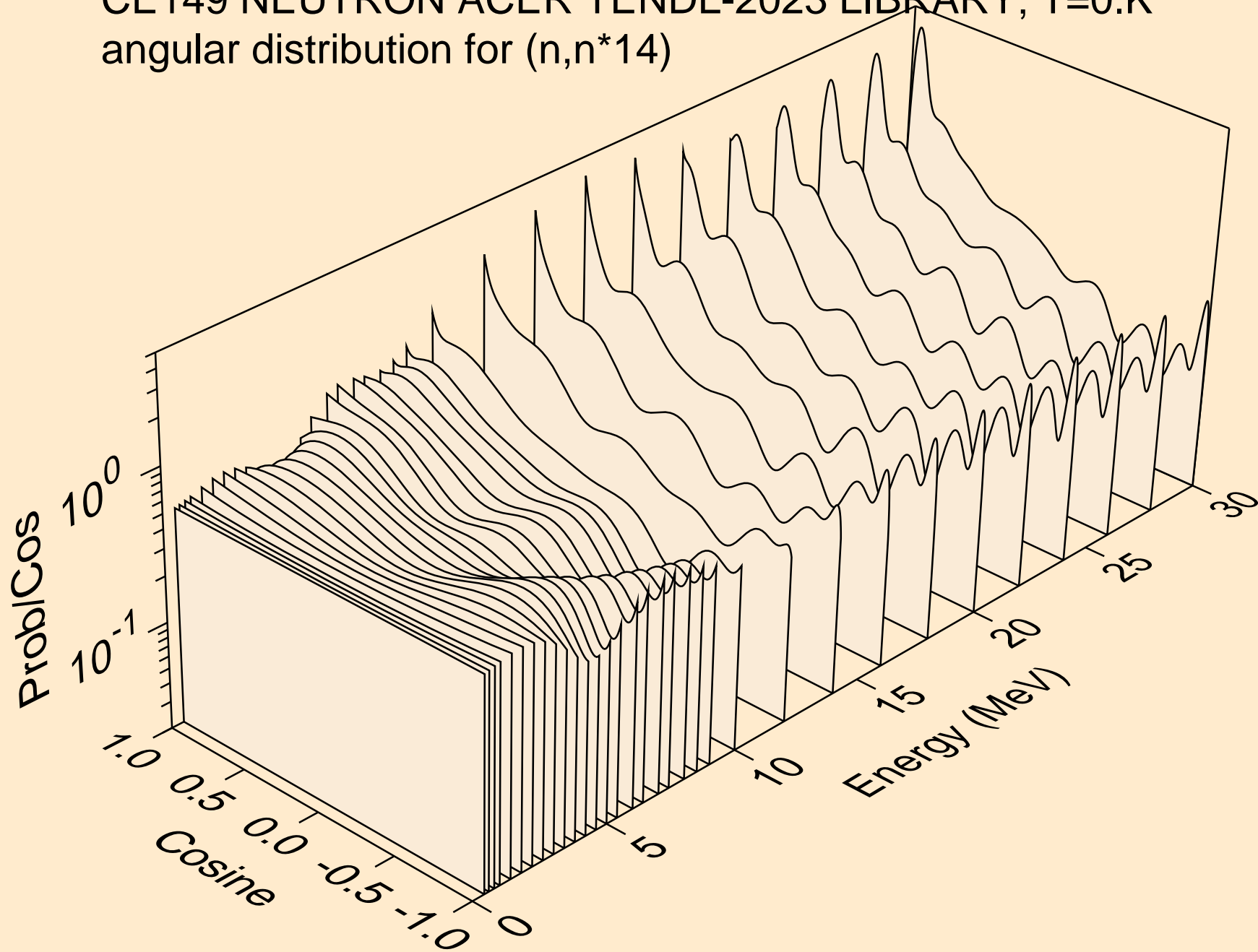
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angular distribution for (n,n\*12)



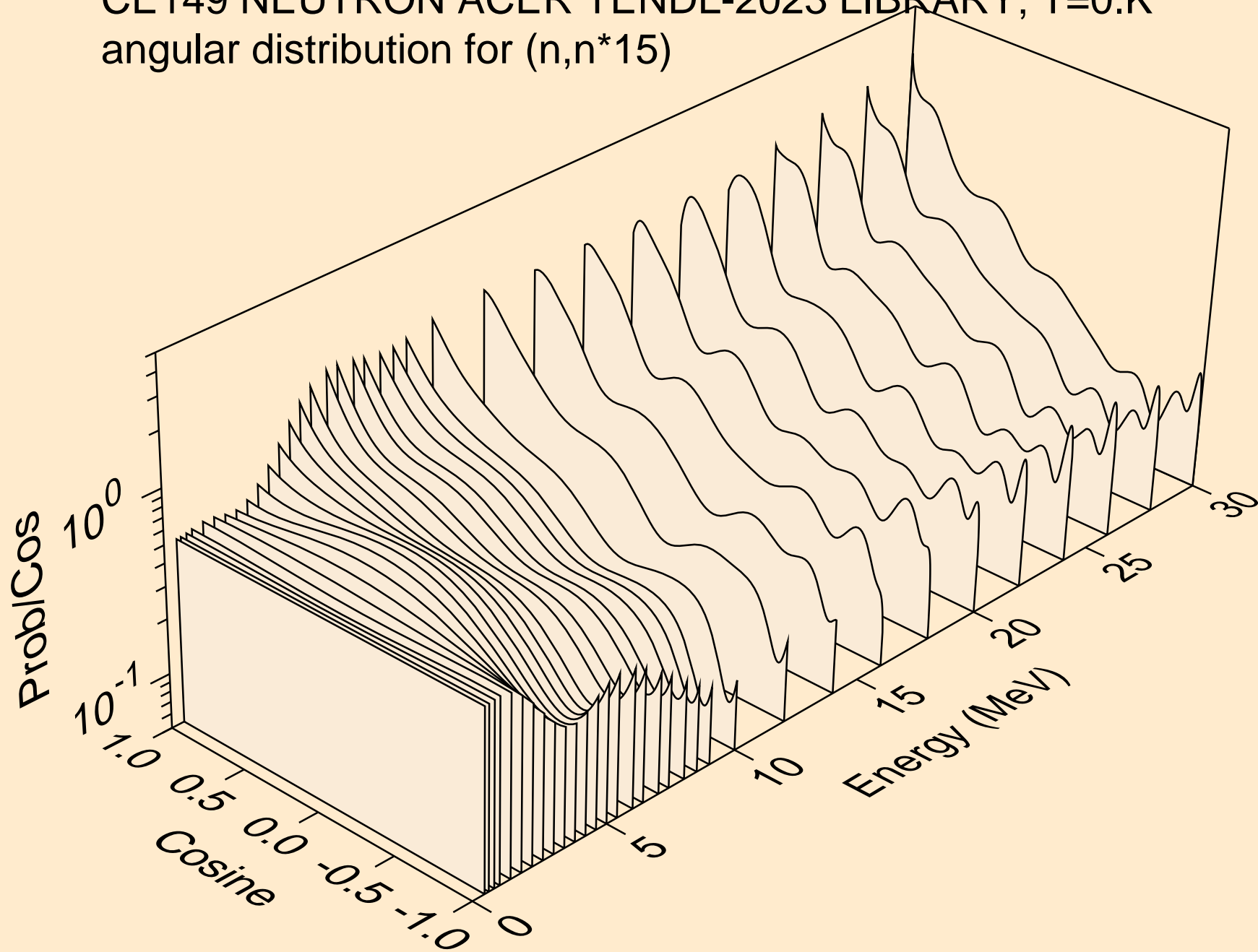
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angular distribution for (n,n\*13)



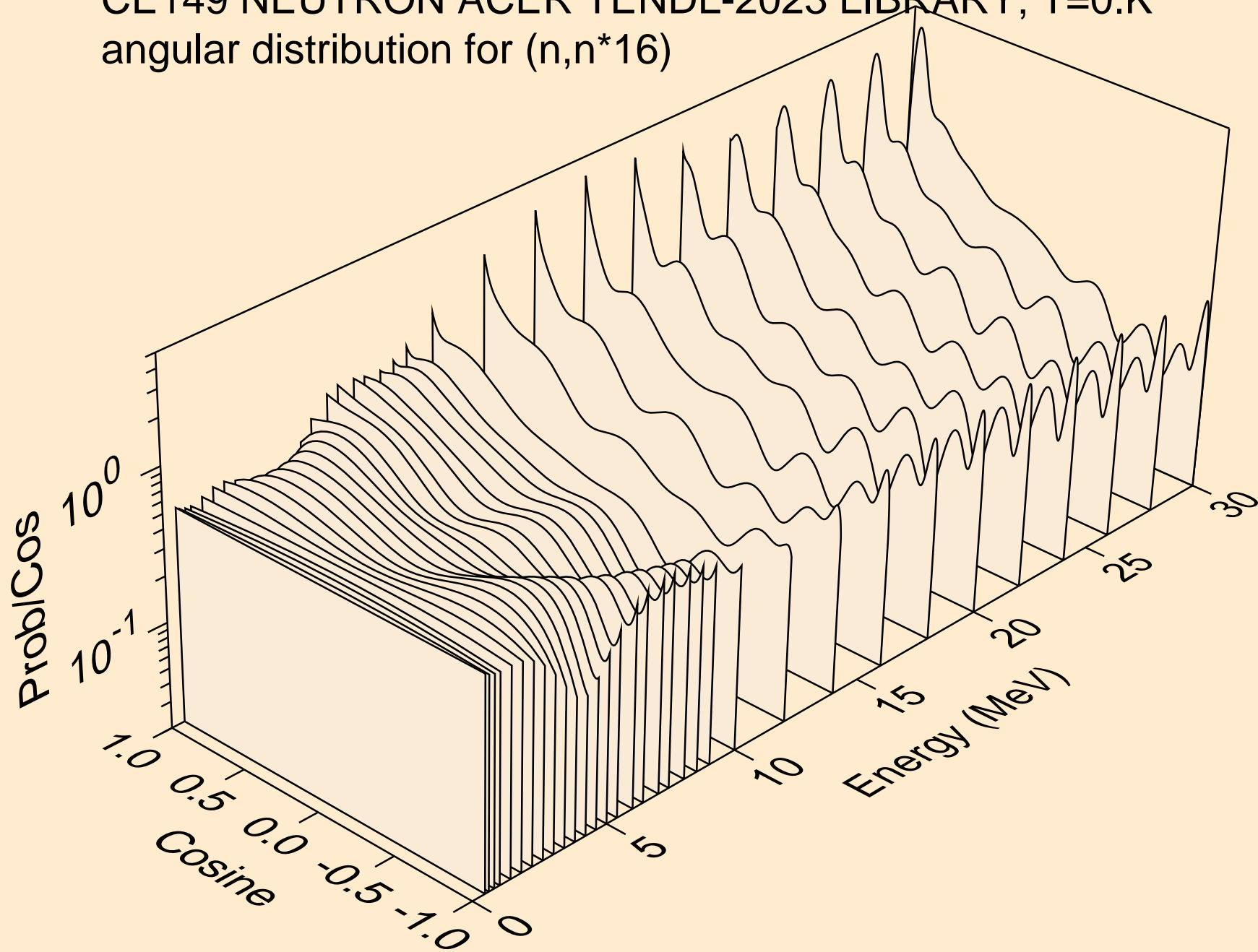
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angular distribution for (n,n\*14)



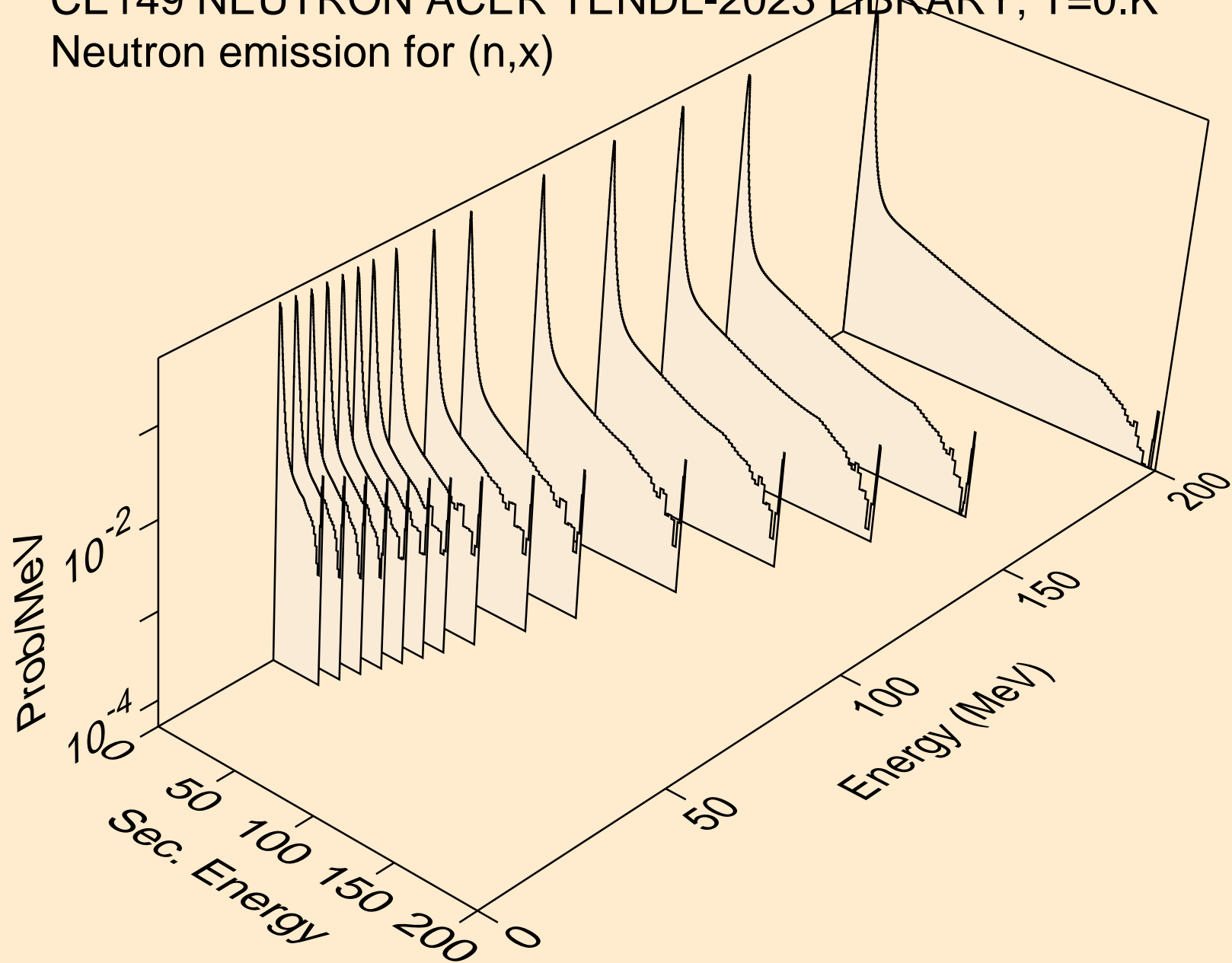
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angular distribution for (n,n\*15)



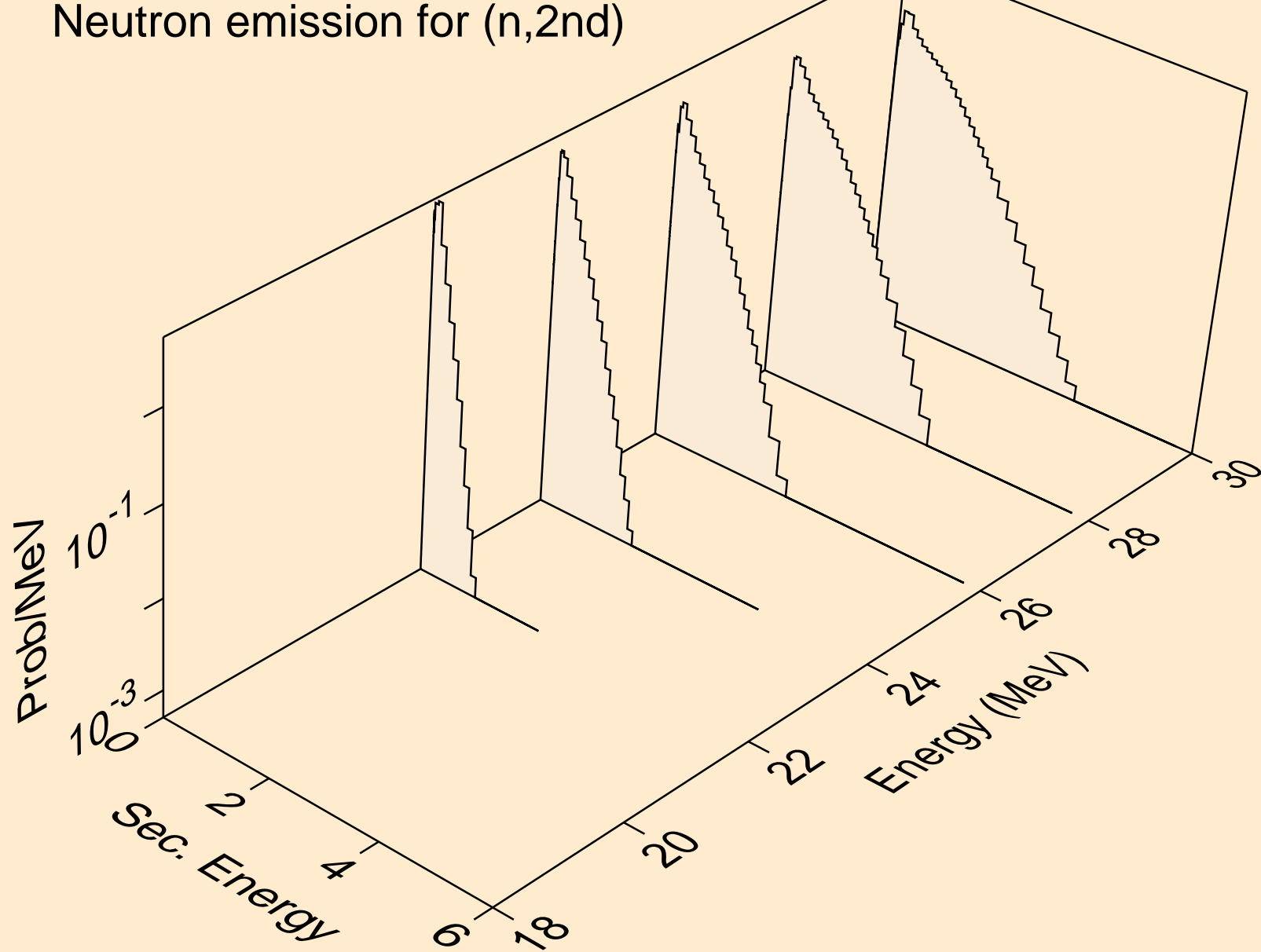
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angular distribution for (n,n\*16)



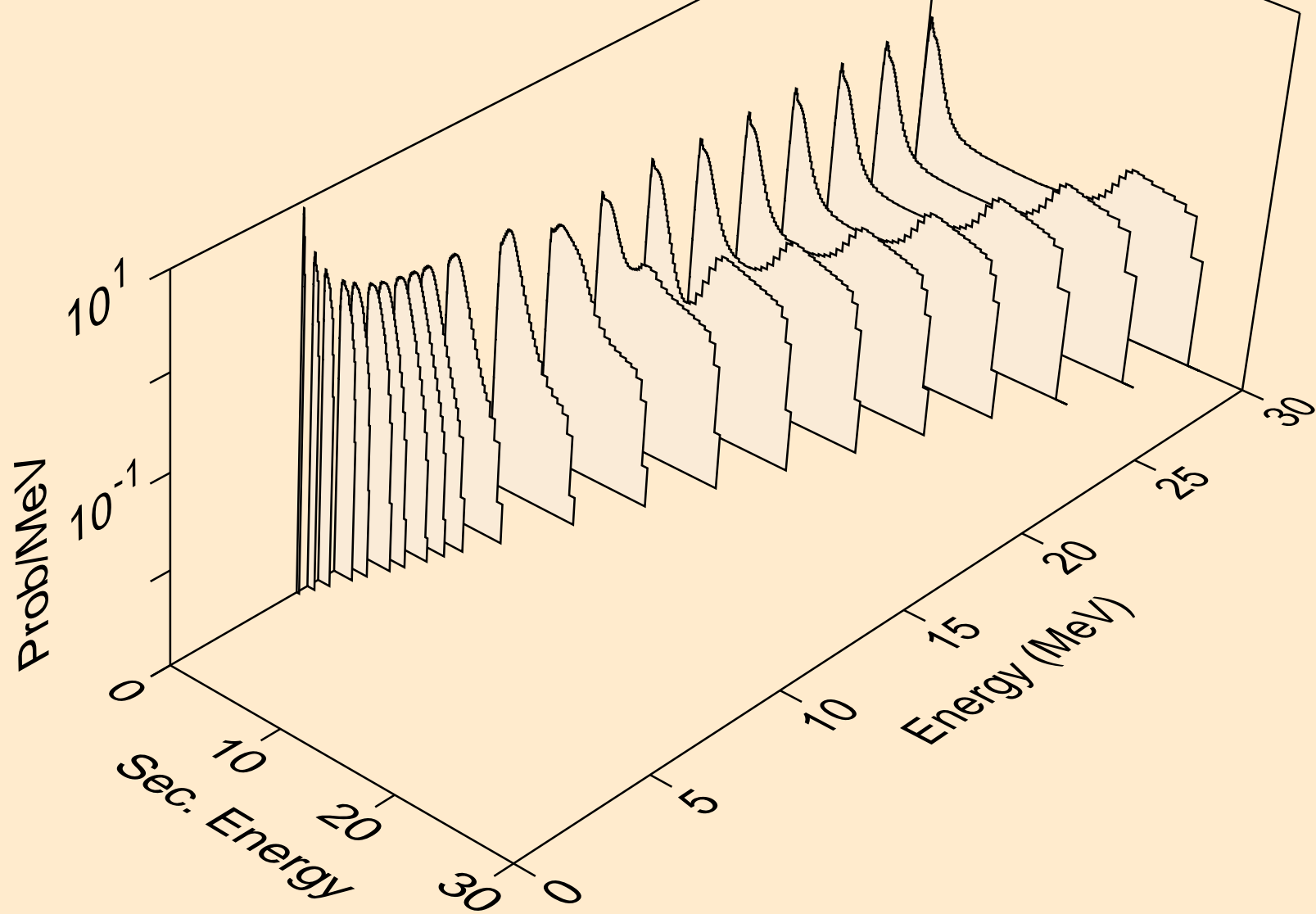
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



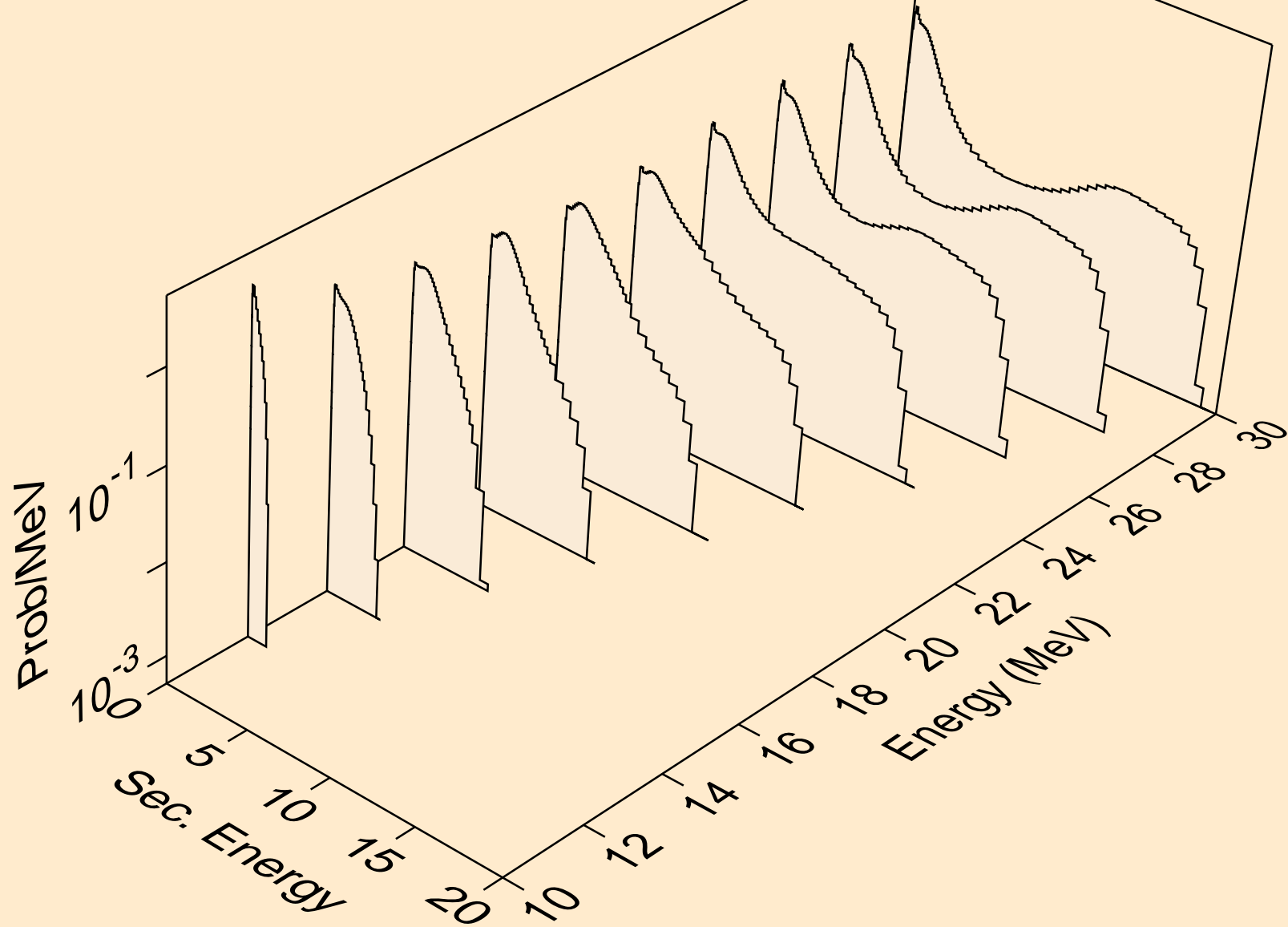
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



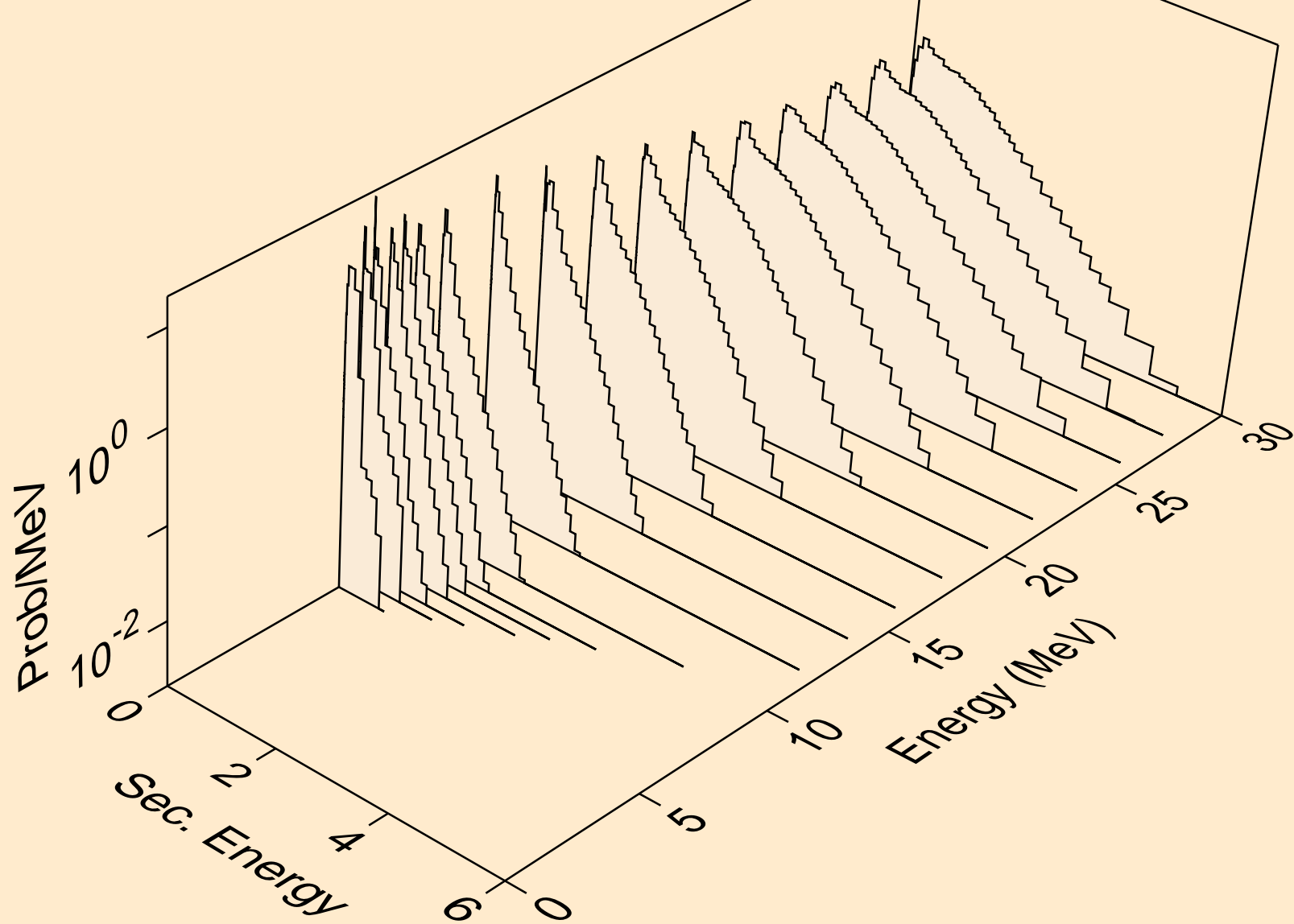
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Neutron emission for (n,2n)



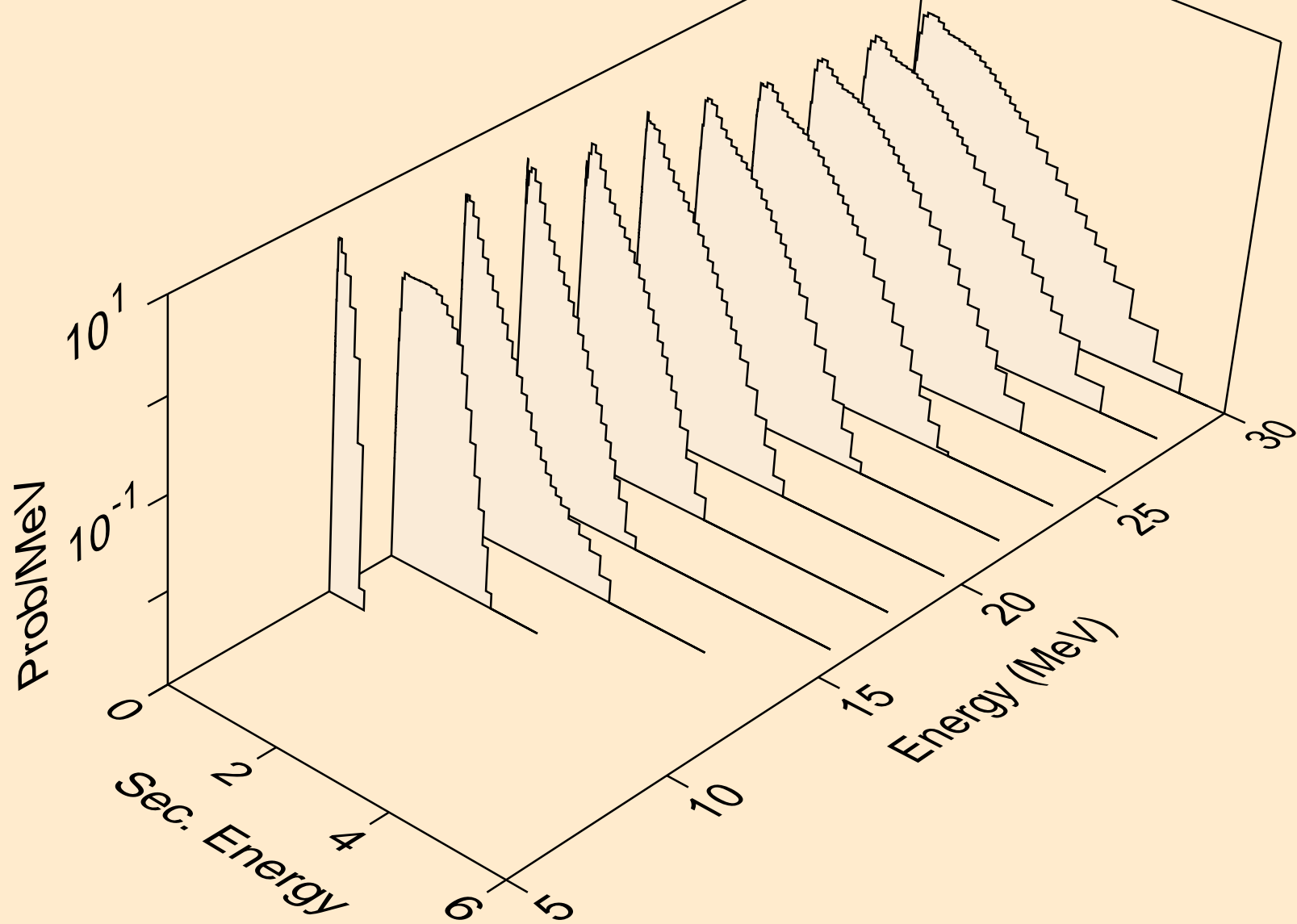
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Neutron emission for (n,3n)



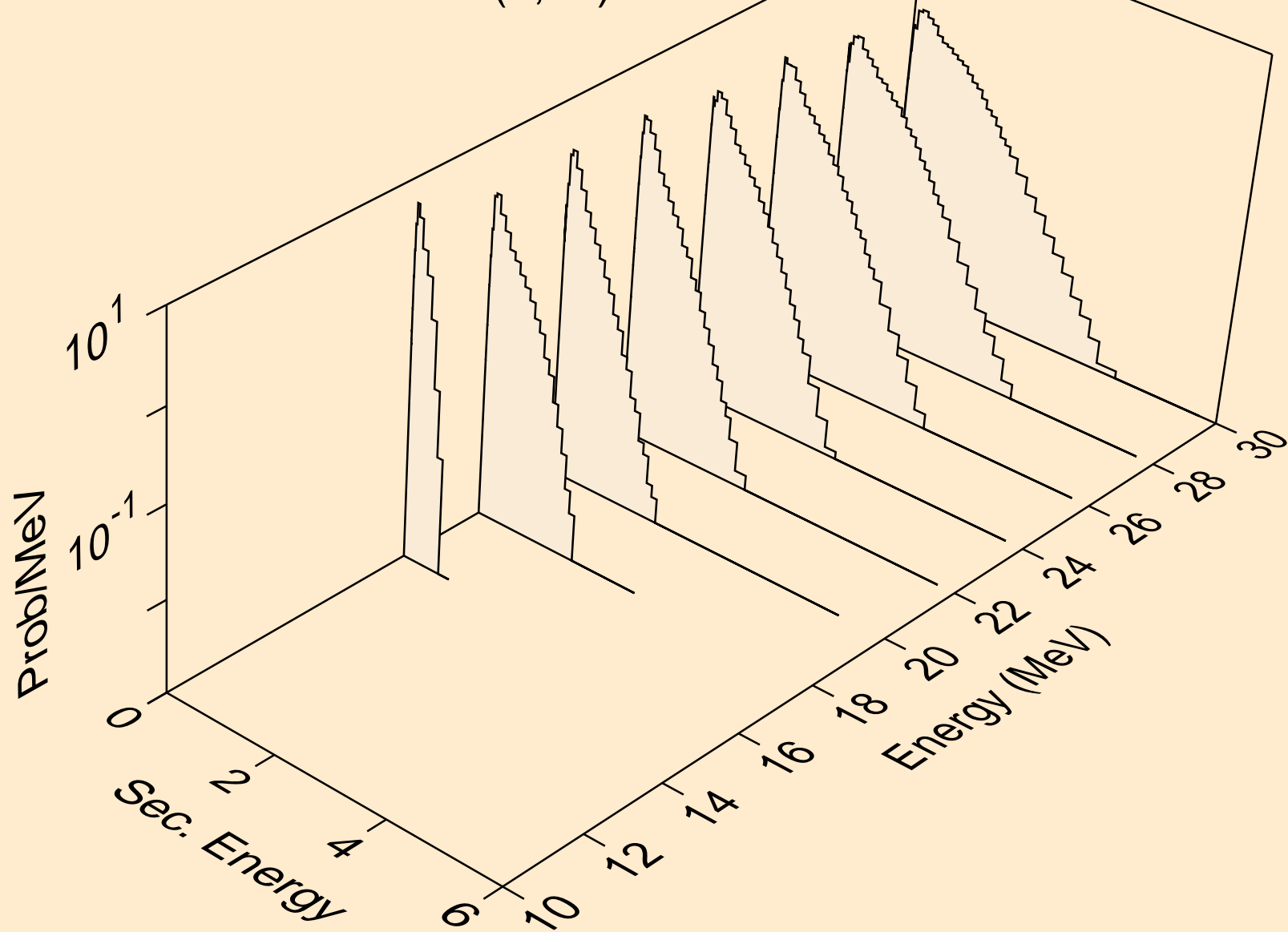
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



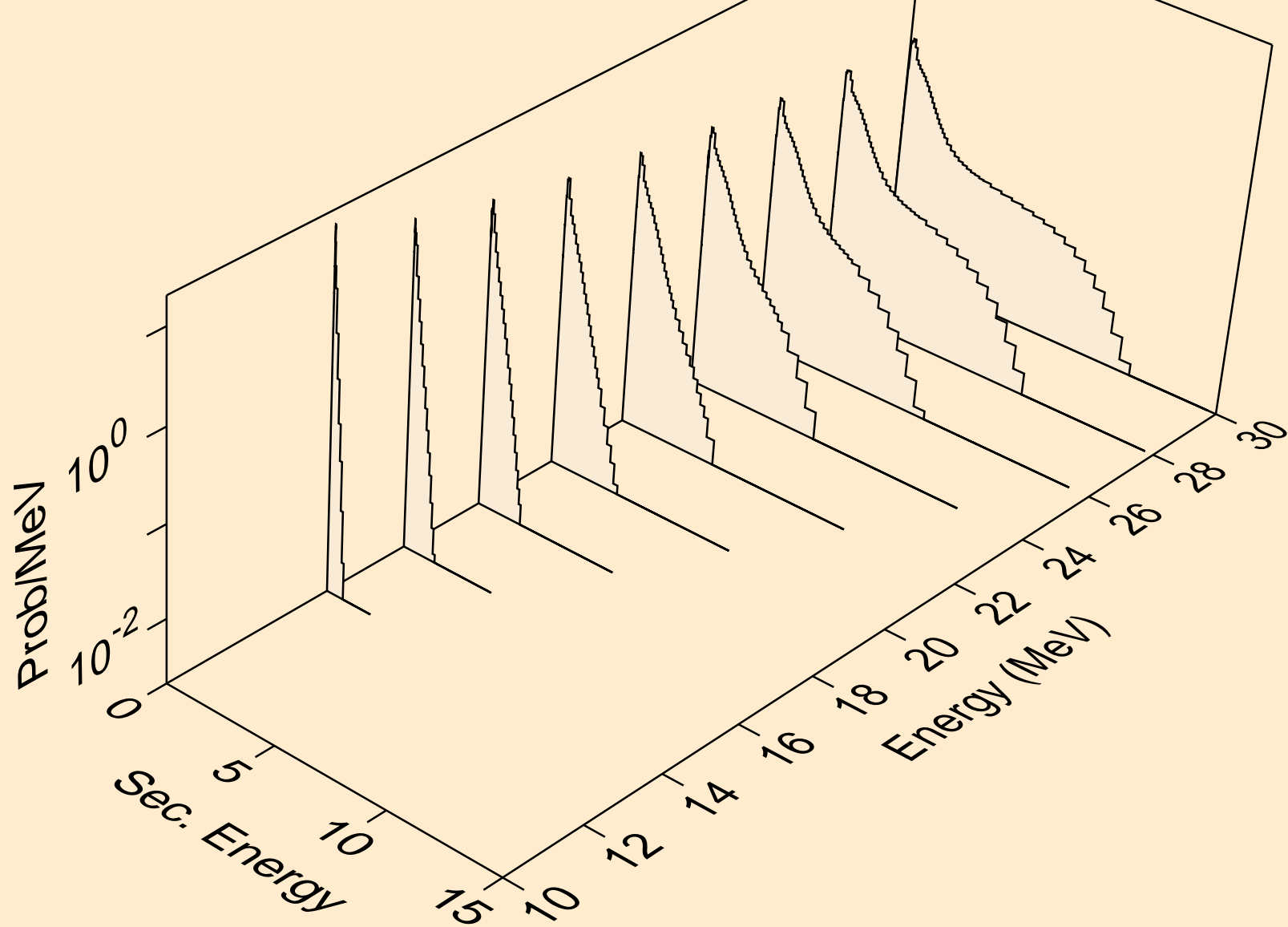
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Neutron emission for (n,2n)a



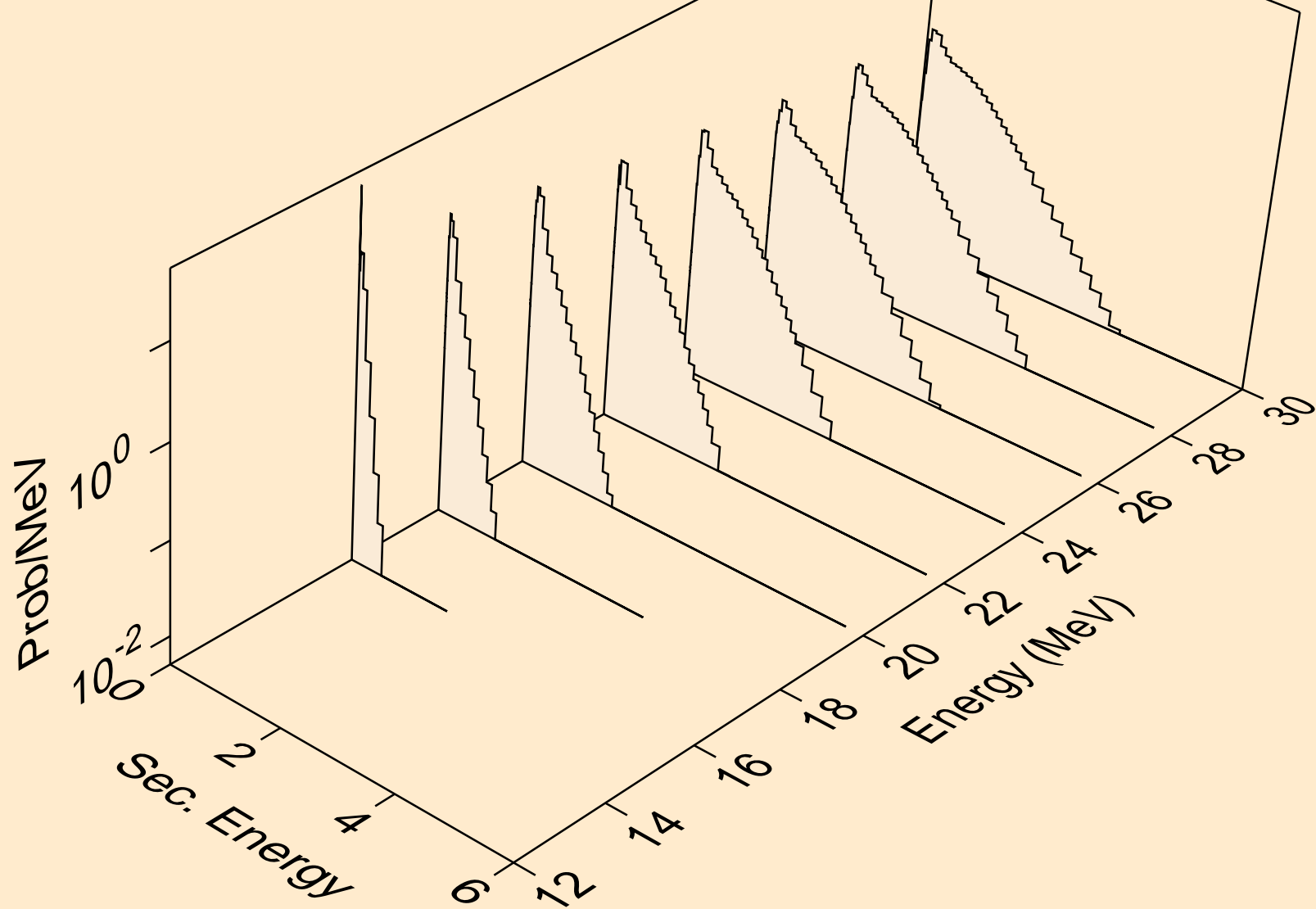
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Neutron emission for (n,3n)a



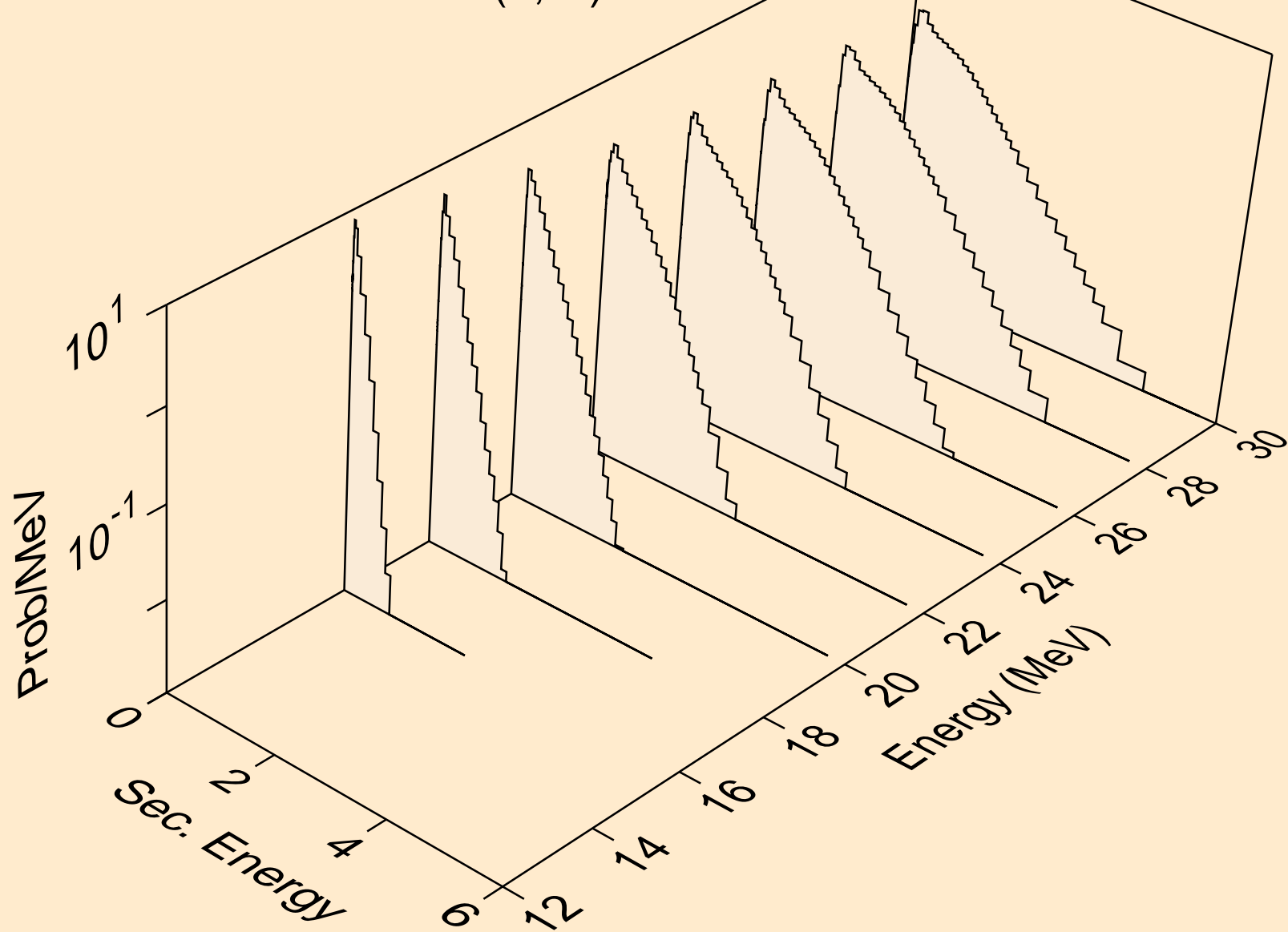
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Neutron emission for (n,n\*)p



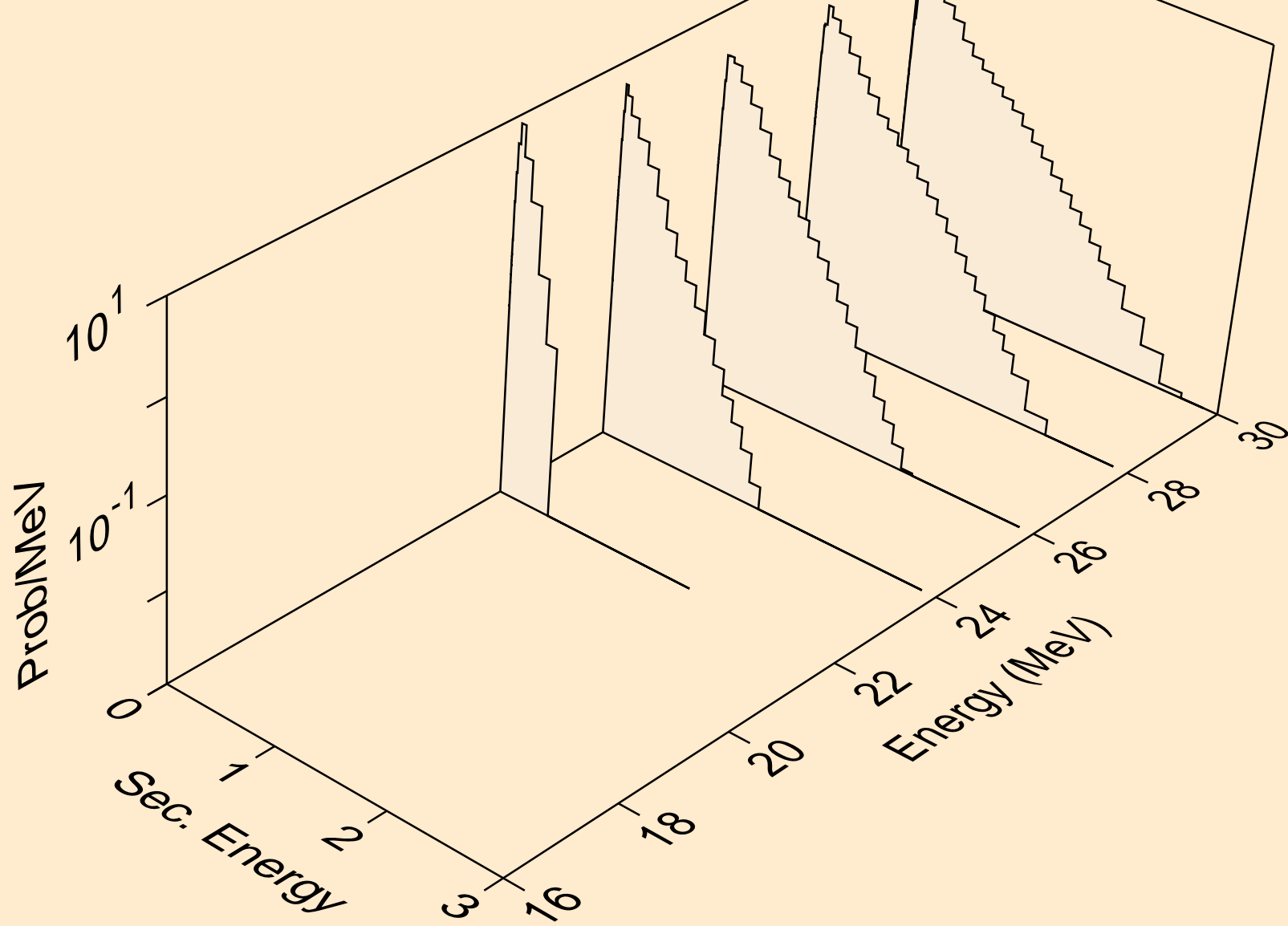
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Neutron emission for (n,n\*)d



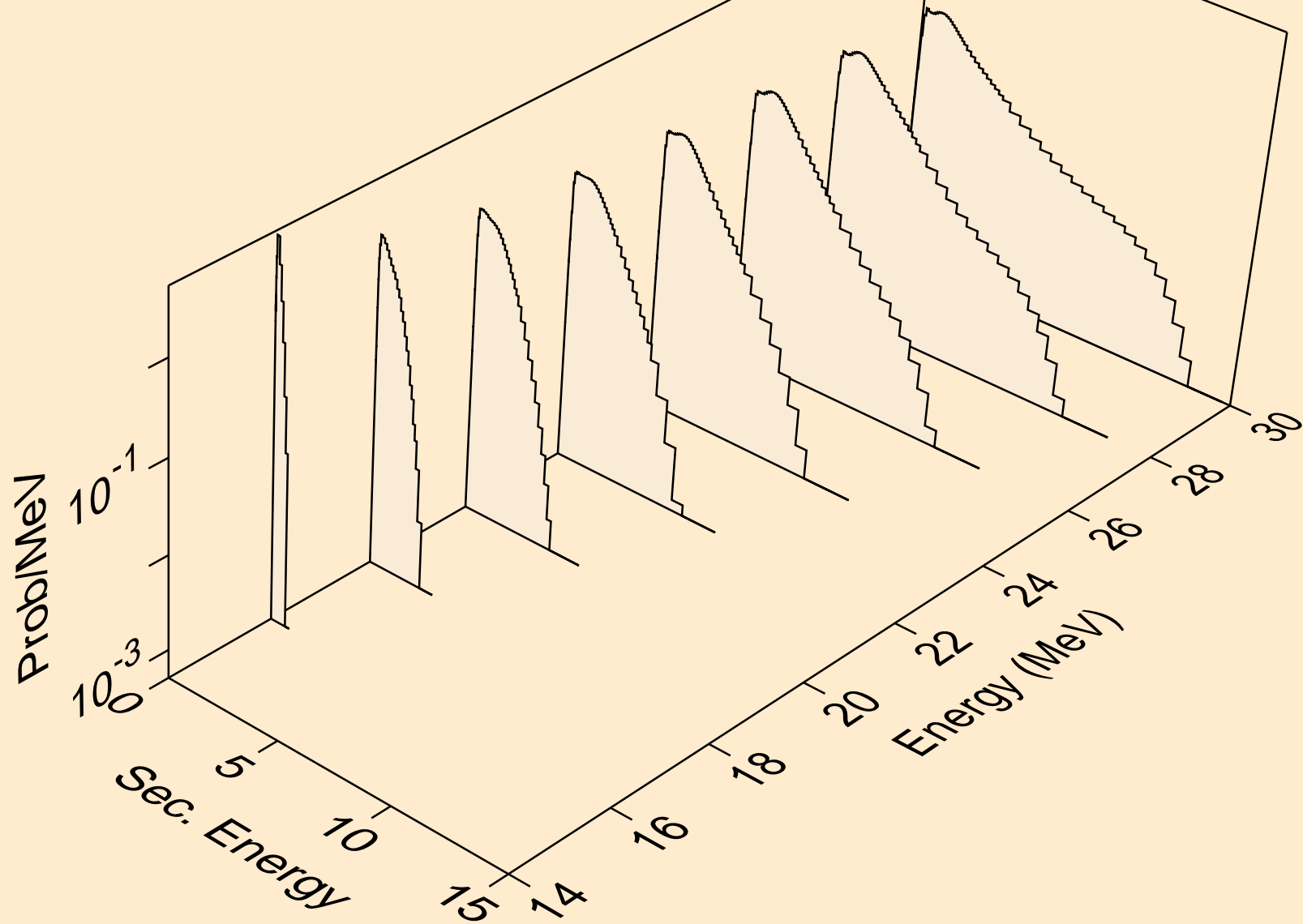
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Neutron emission for (n,n\*)t



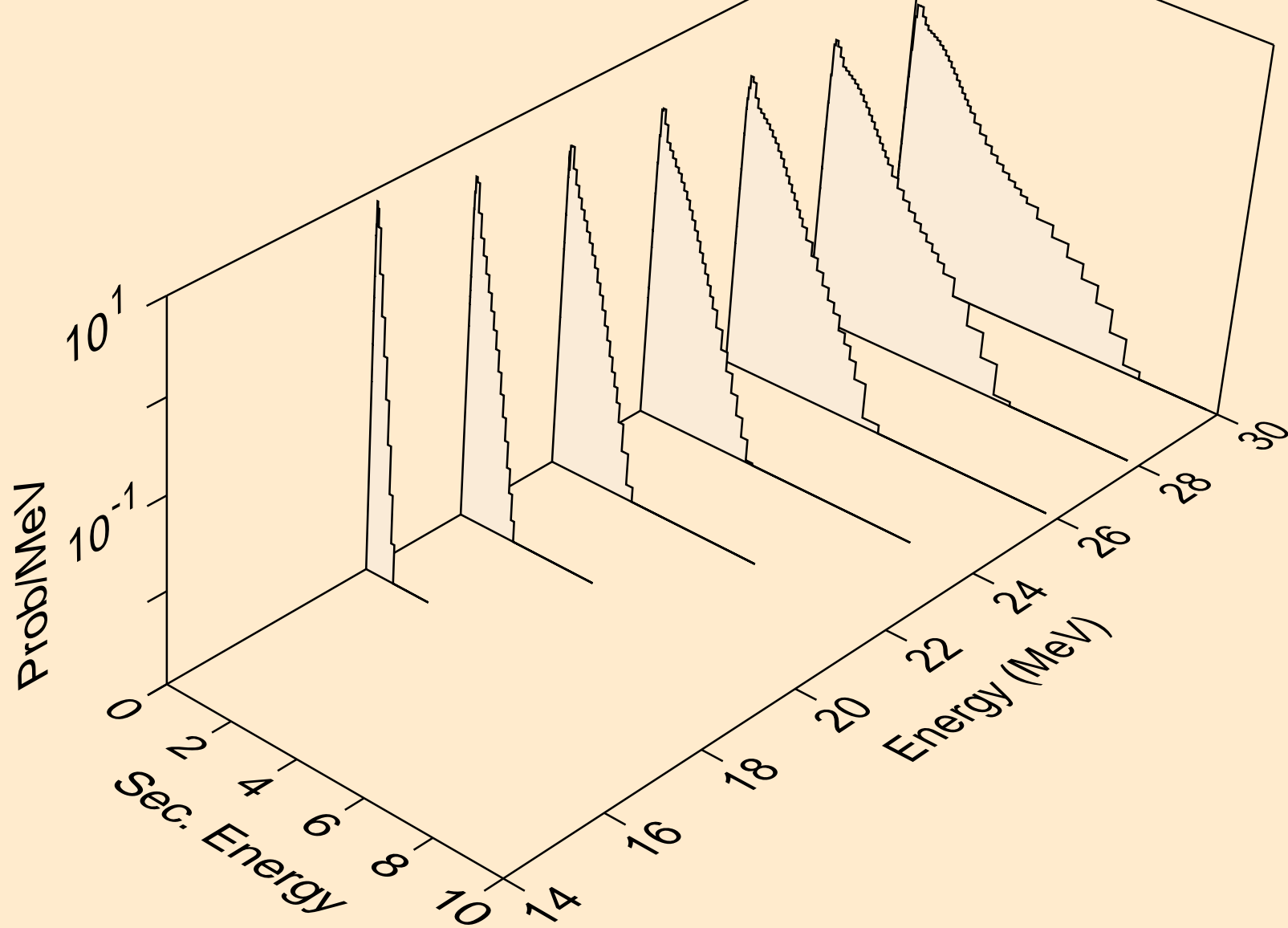
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Neutron emission for (n,n\*)he3



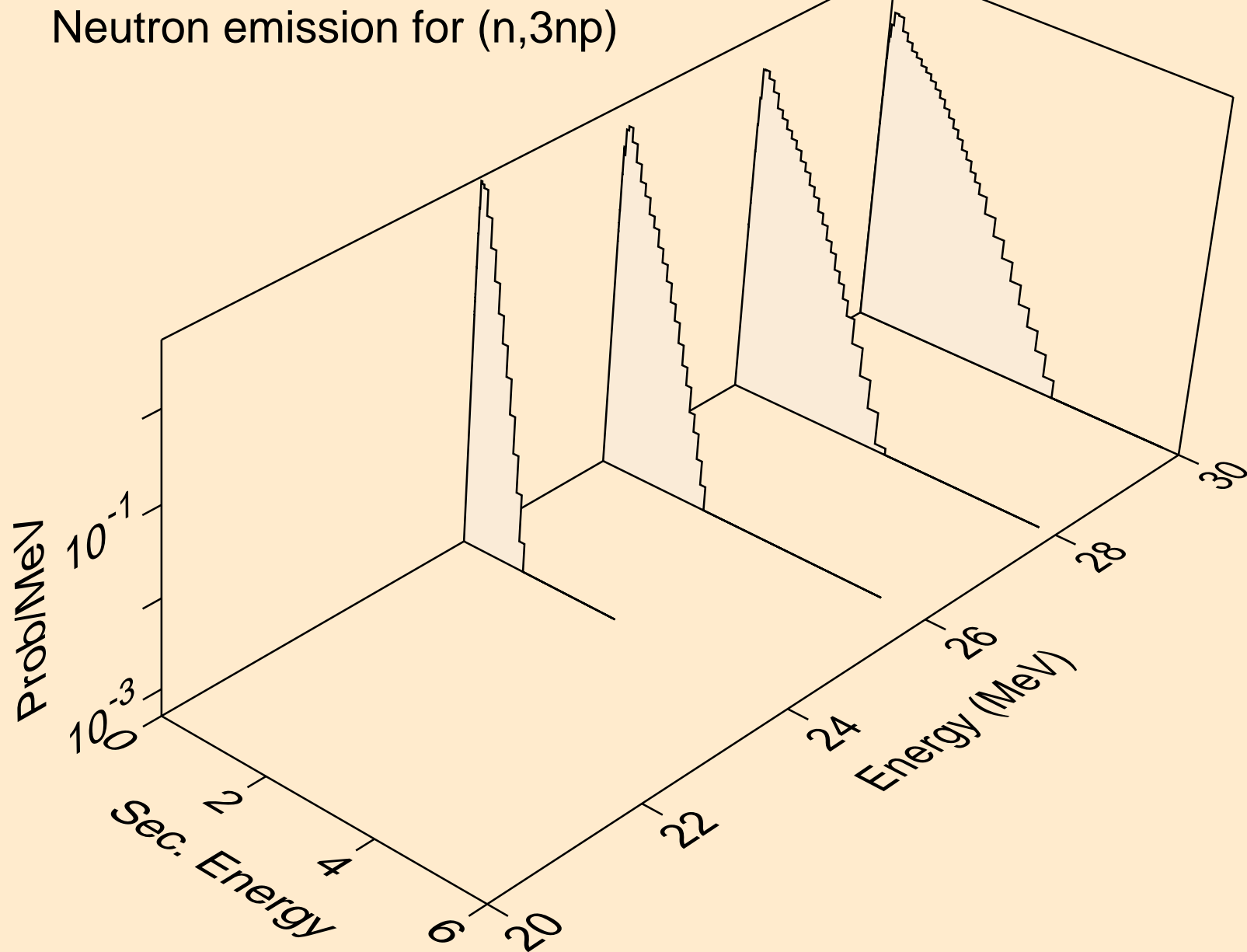
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Neutron emission for (n,4n)



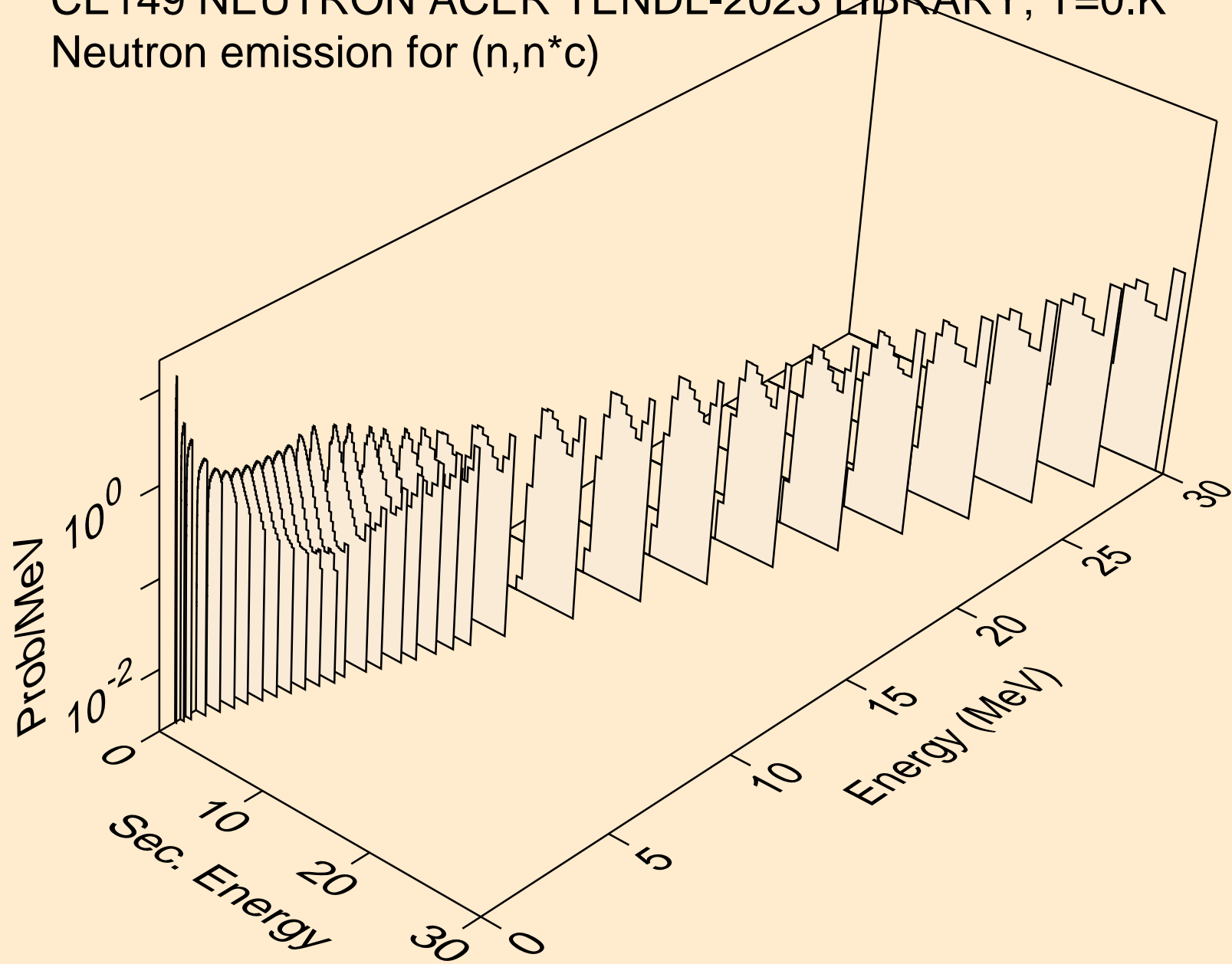
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Neutron emission for (n,2np)



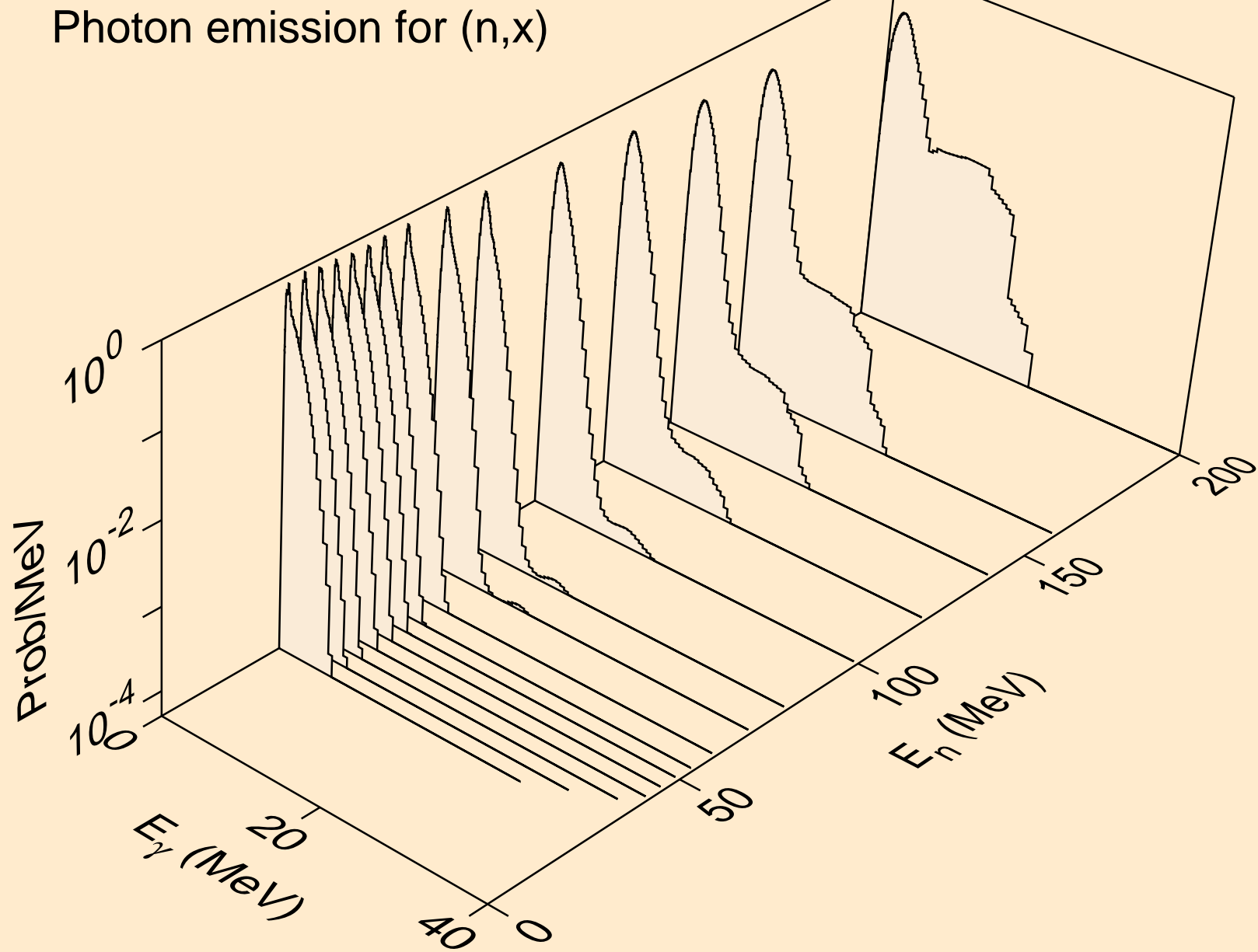
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Neutron emission for (n,3np)



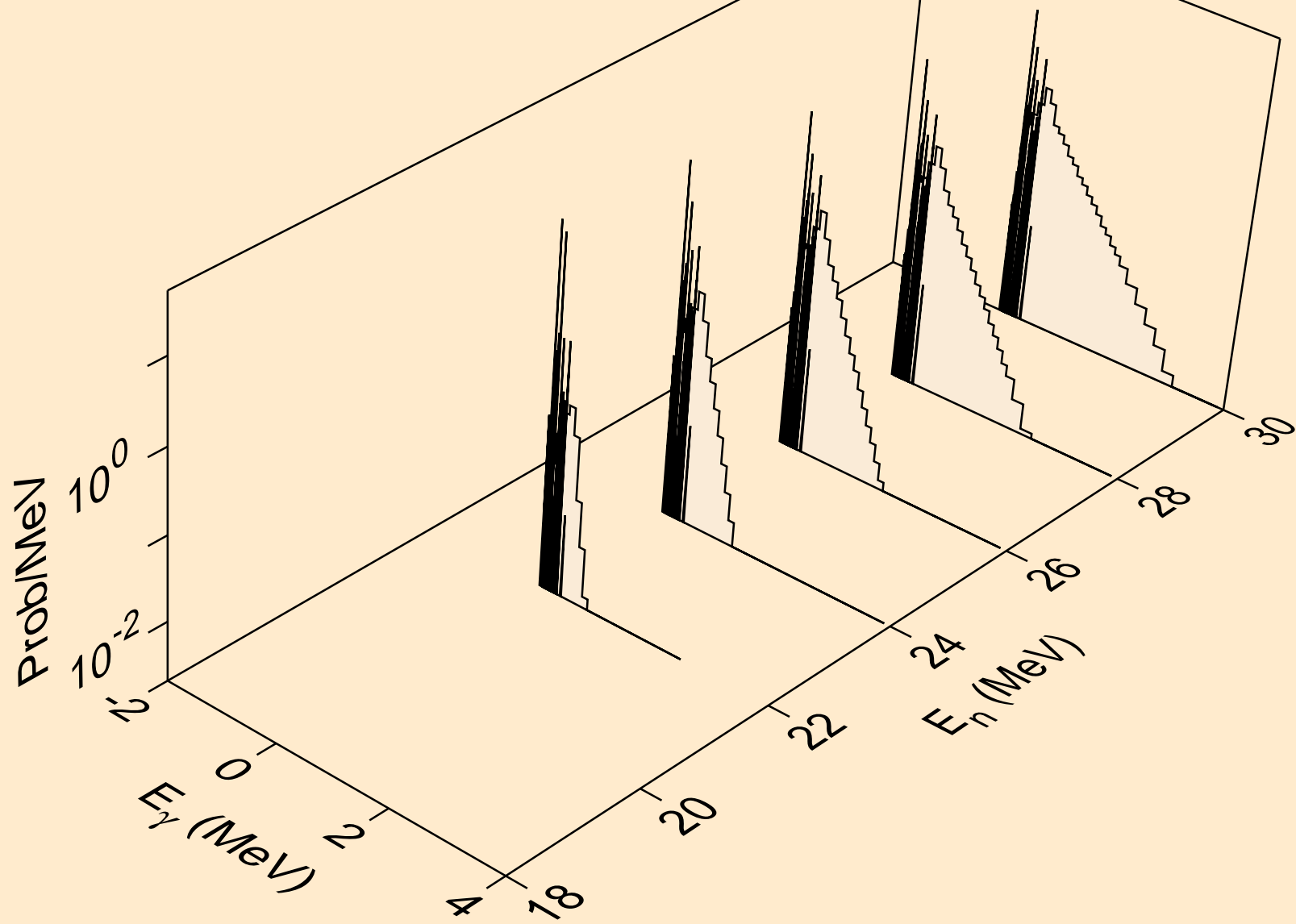
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Neutron emission for (n,n\*c)



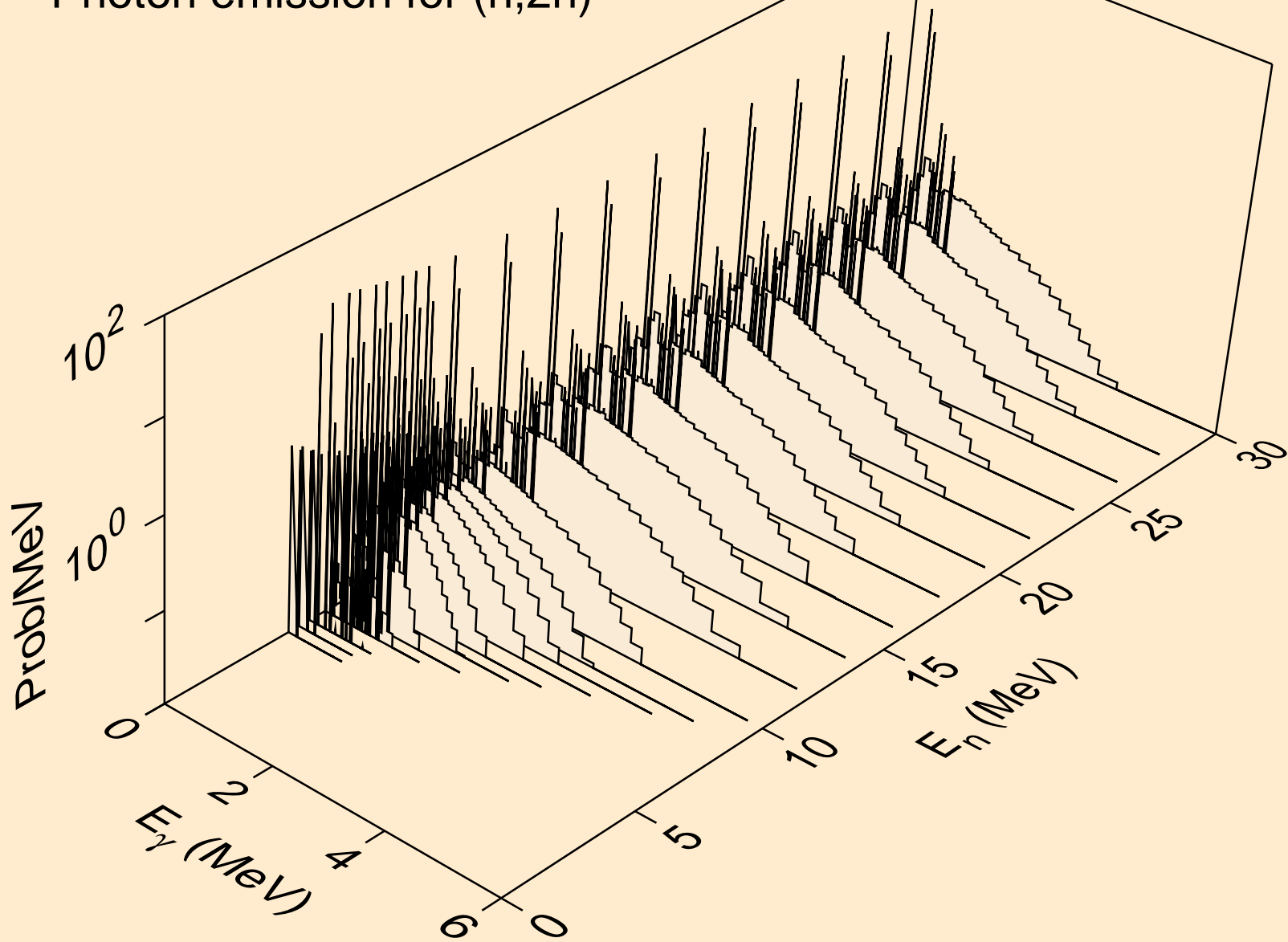
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Photon emission for (n,x)



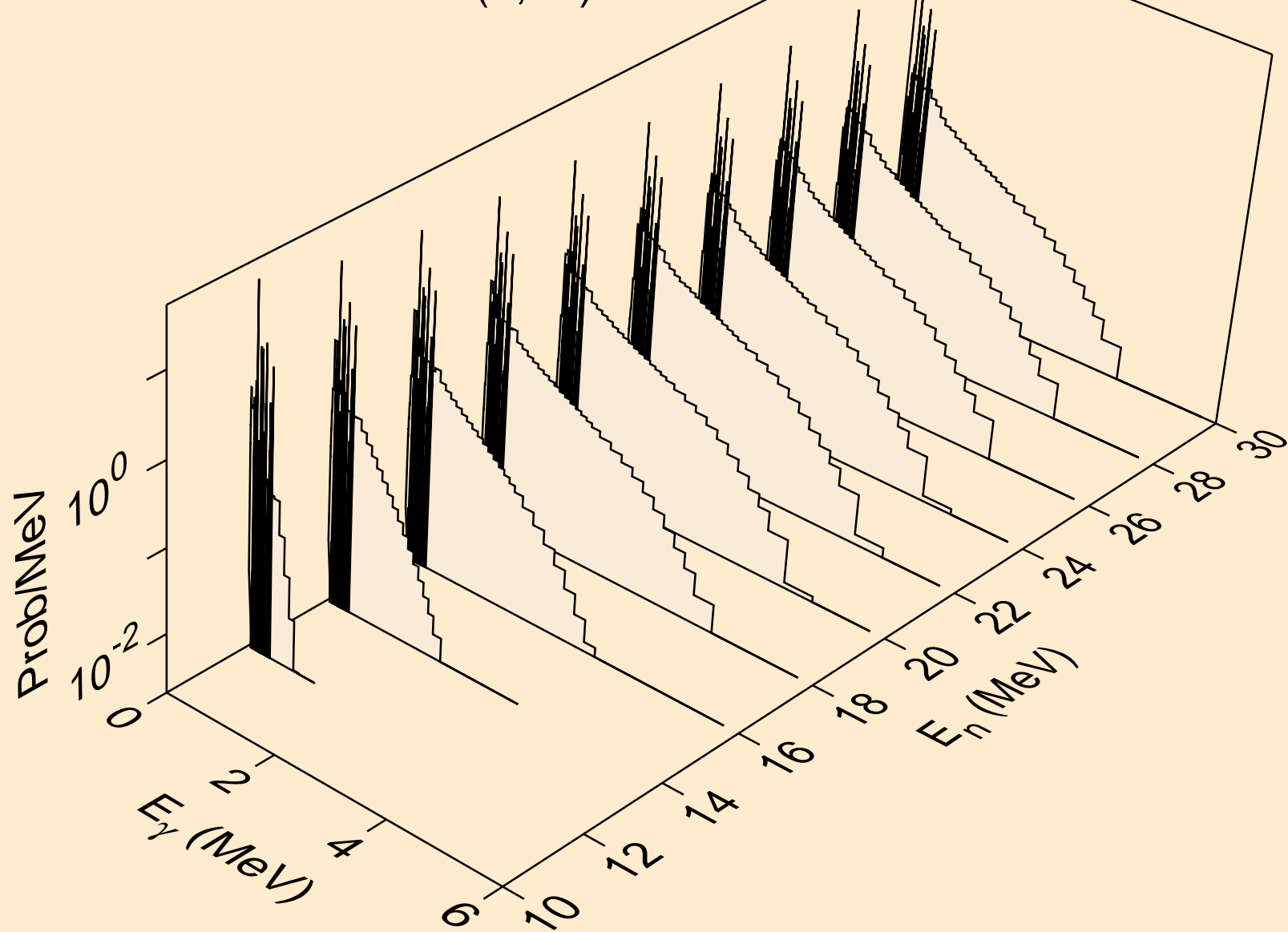
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Photon emission for (n,2nd)



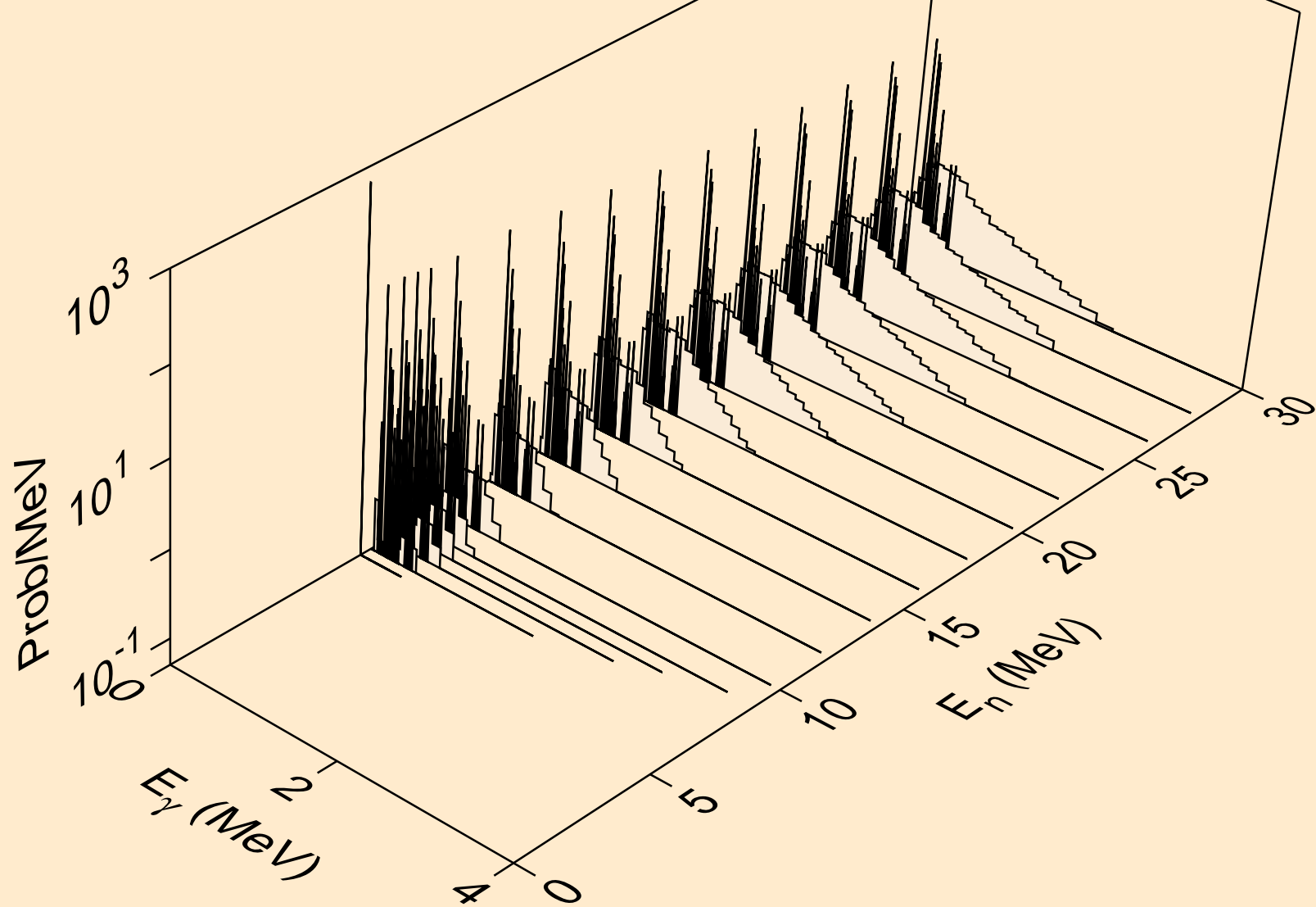
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



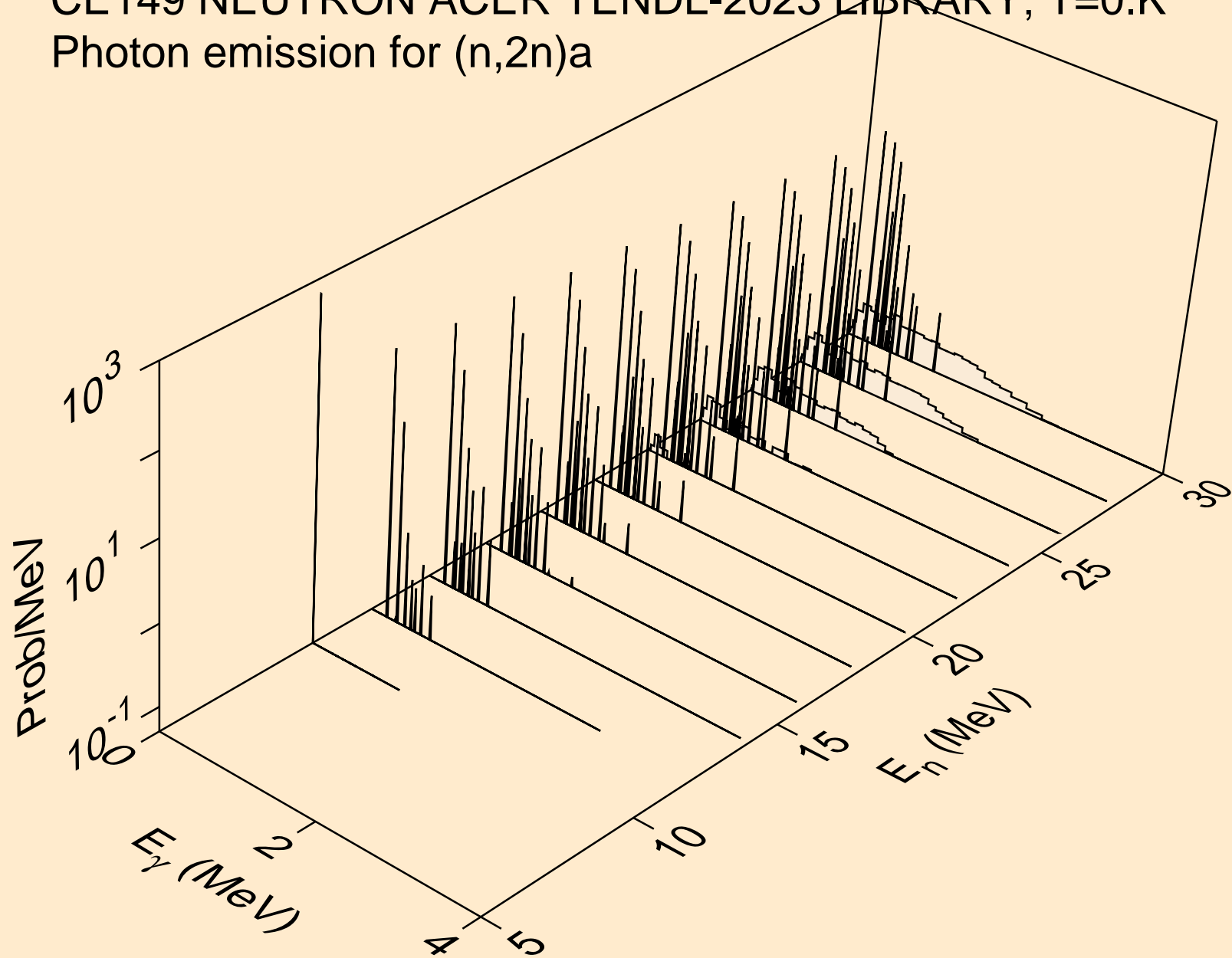
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Photon emission for (n,3n)



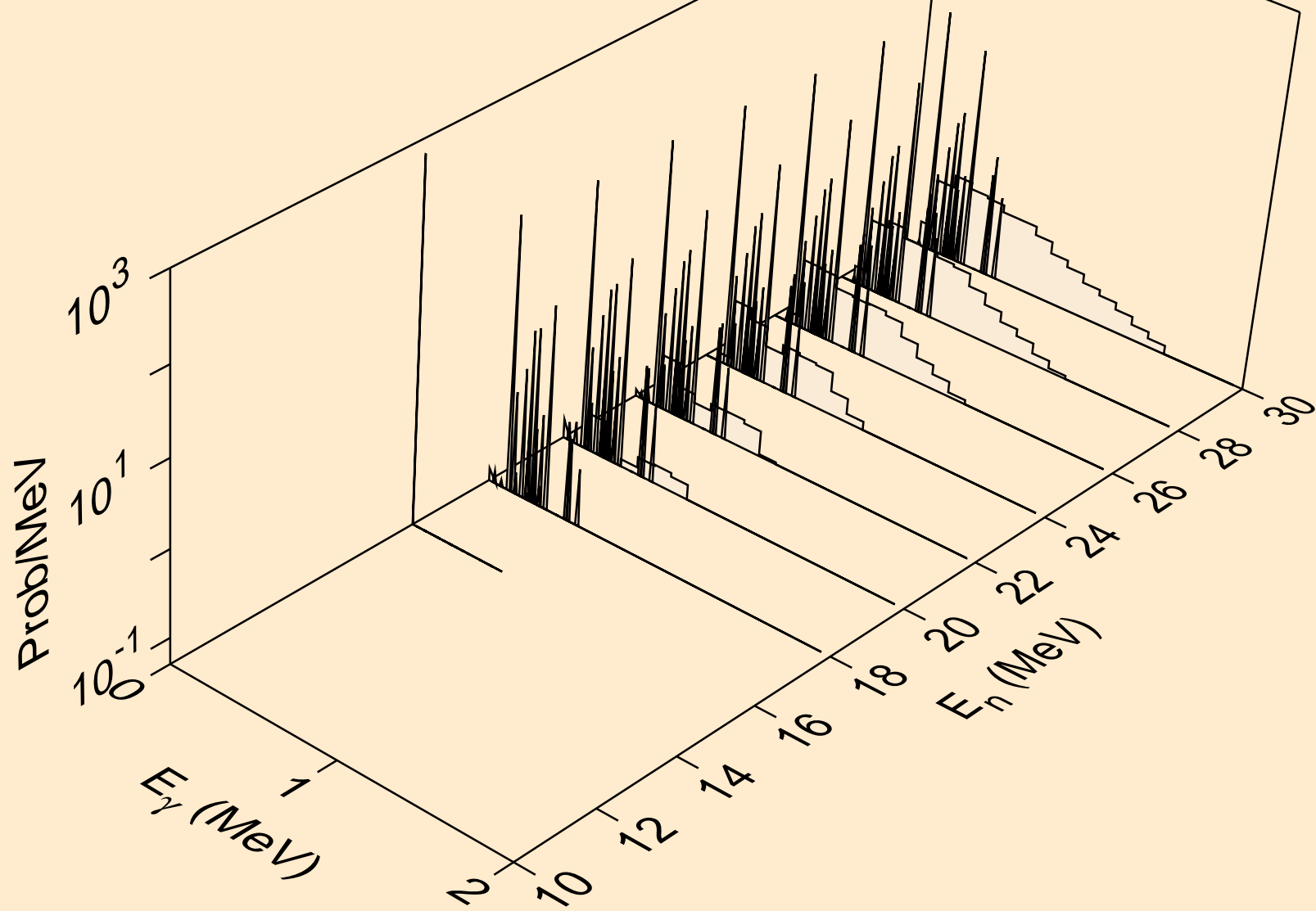
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



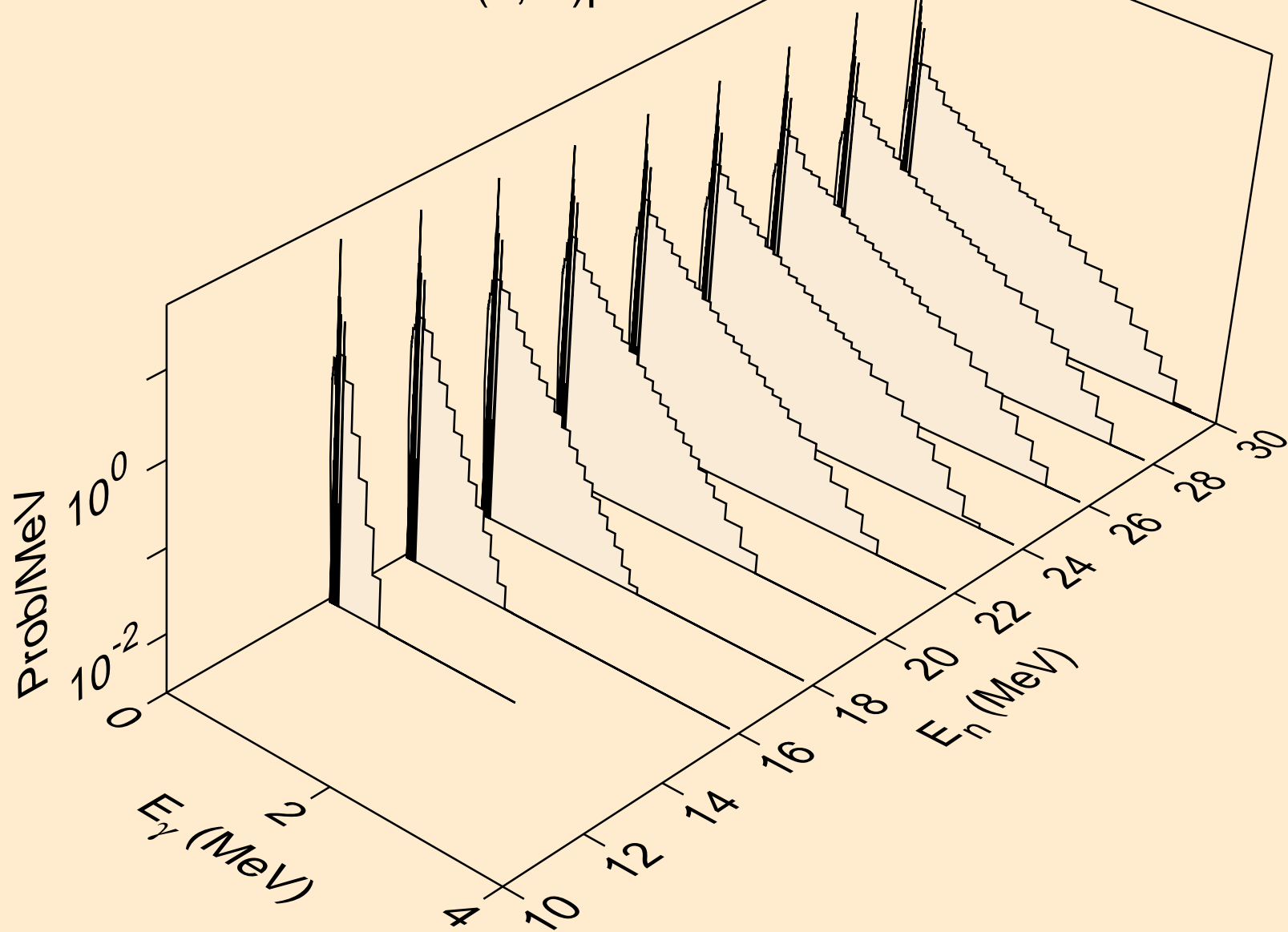
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Photon emission for (n,2n)a



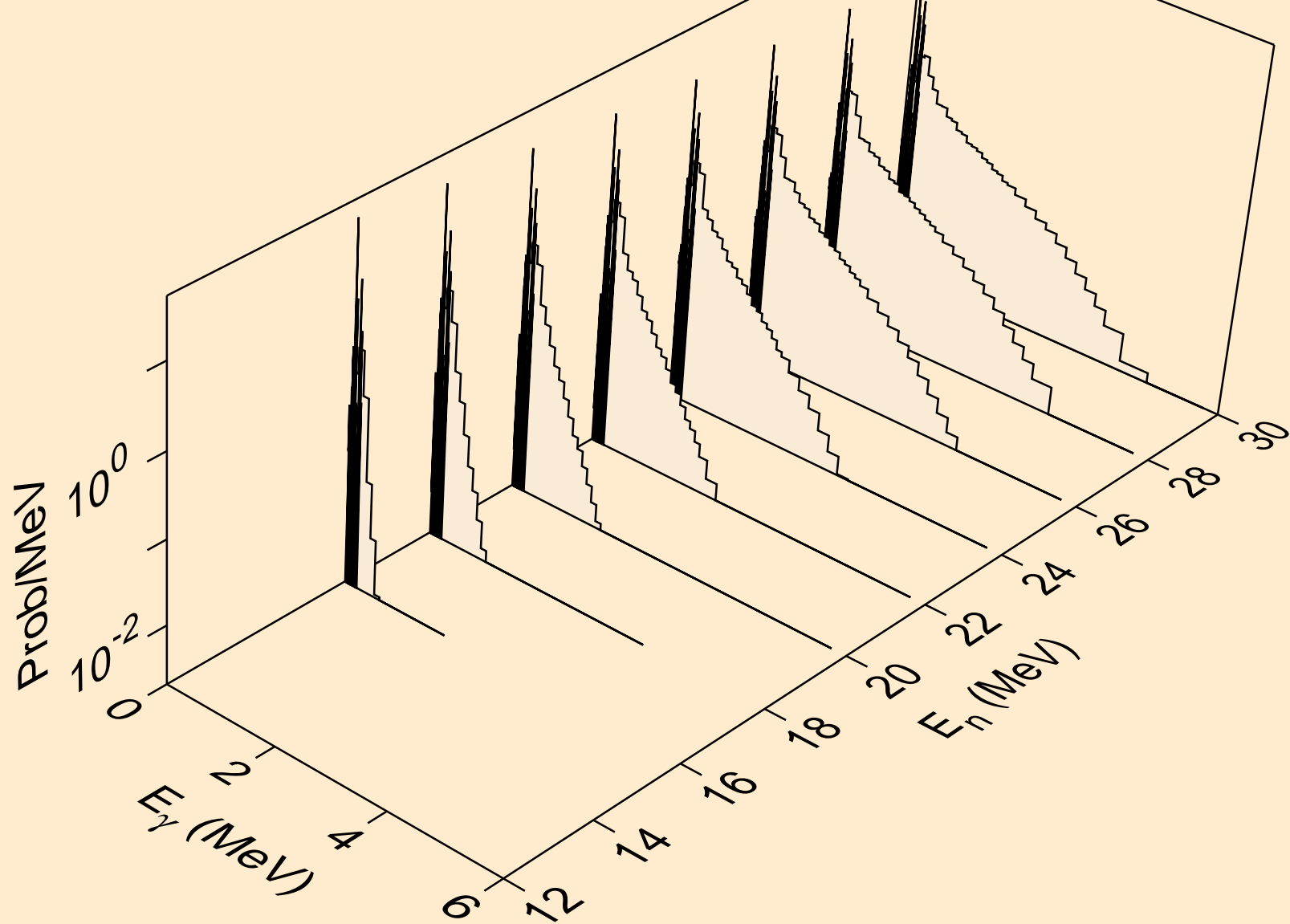
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



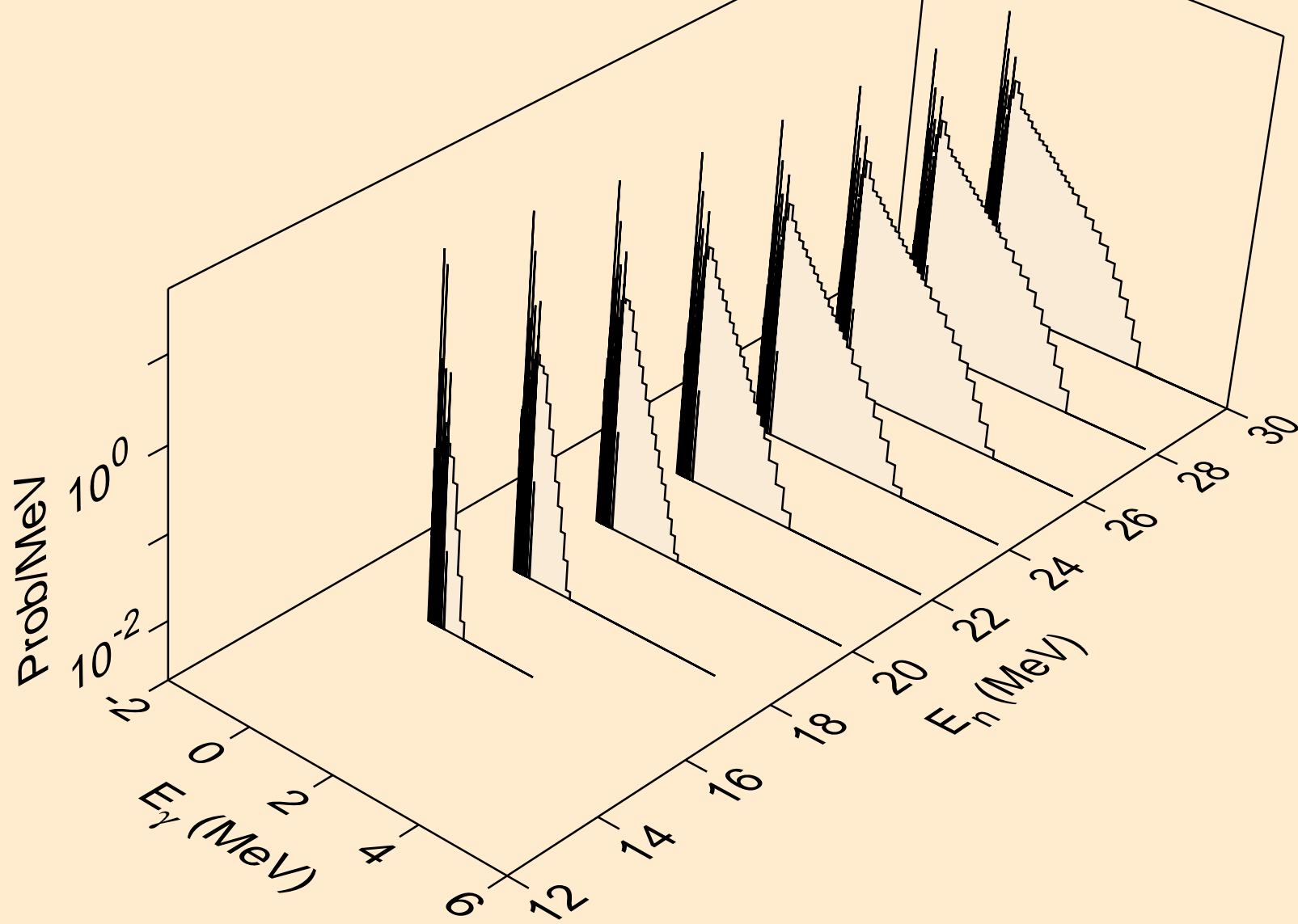
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



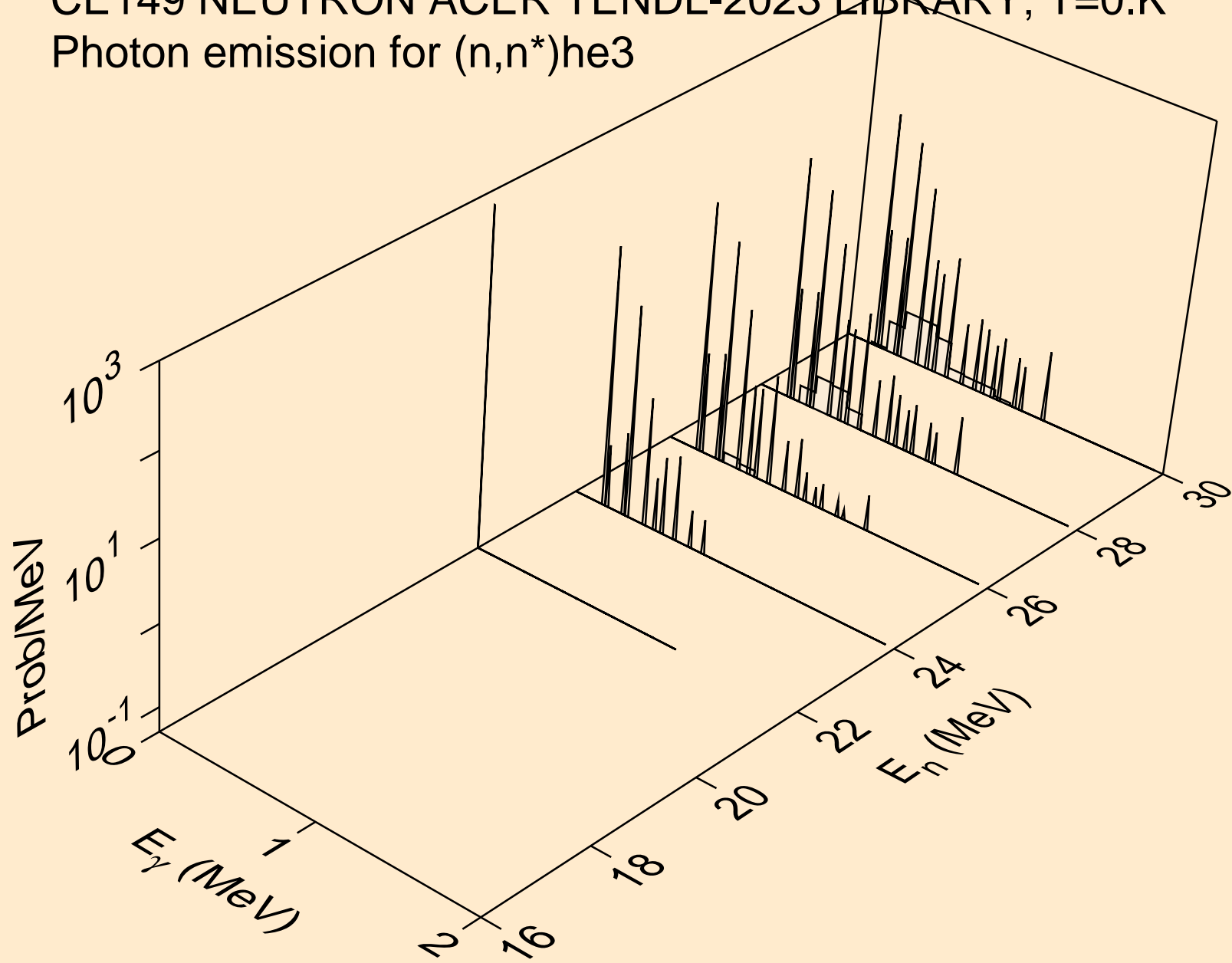
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



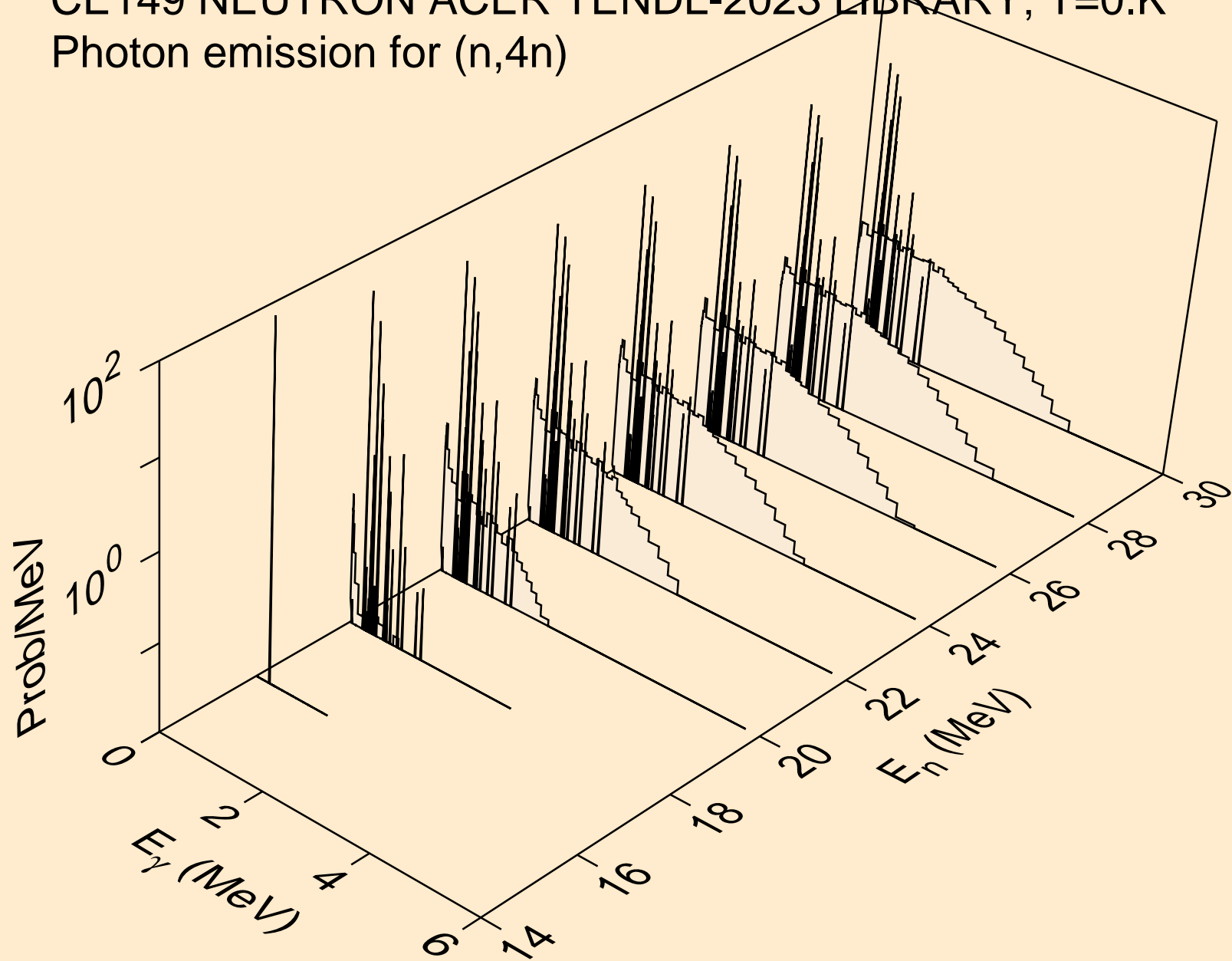
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



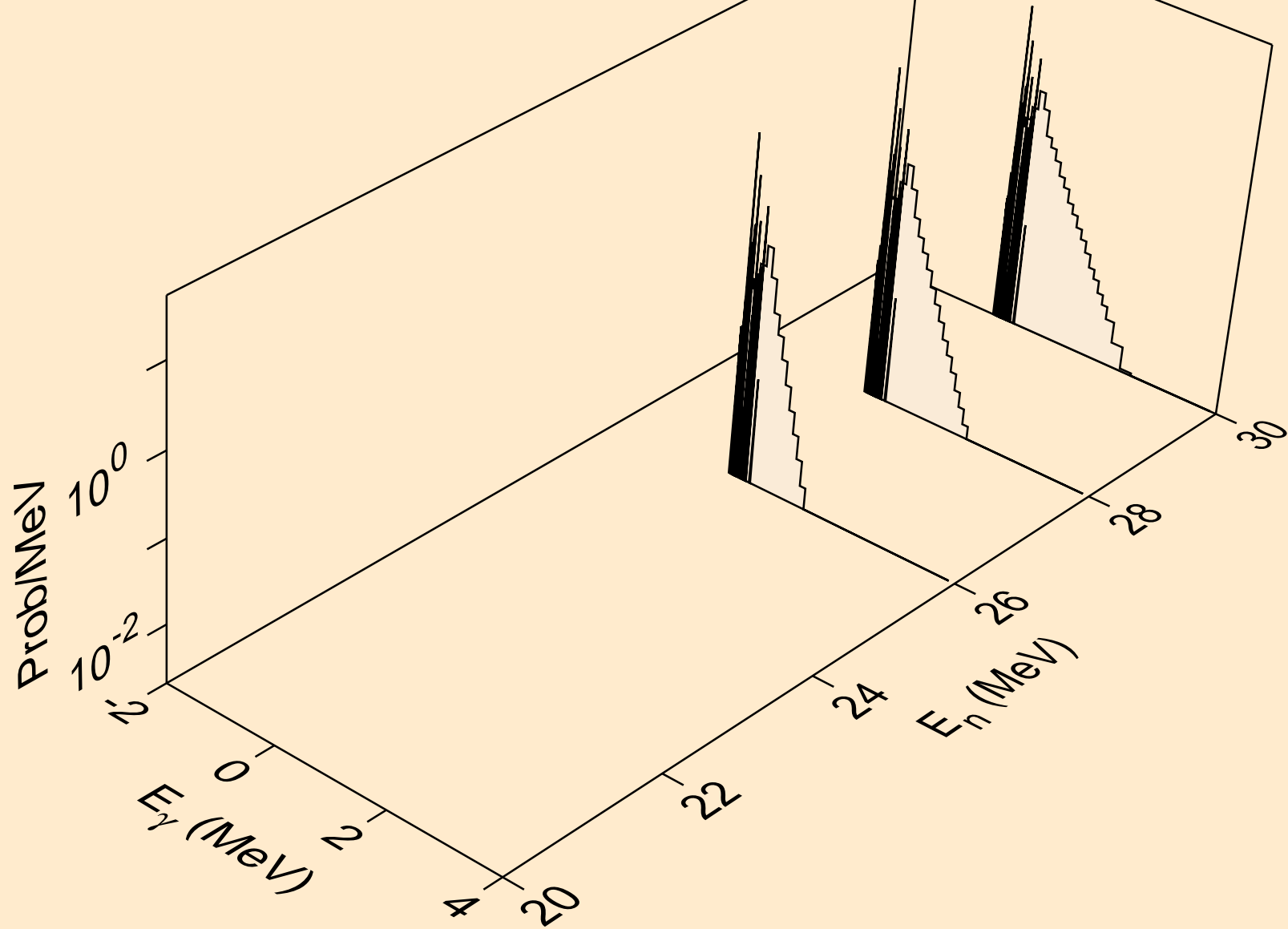
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Photon emission for (n,4n)



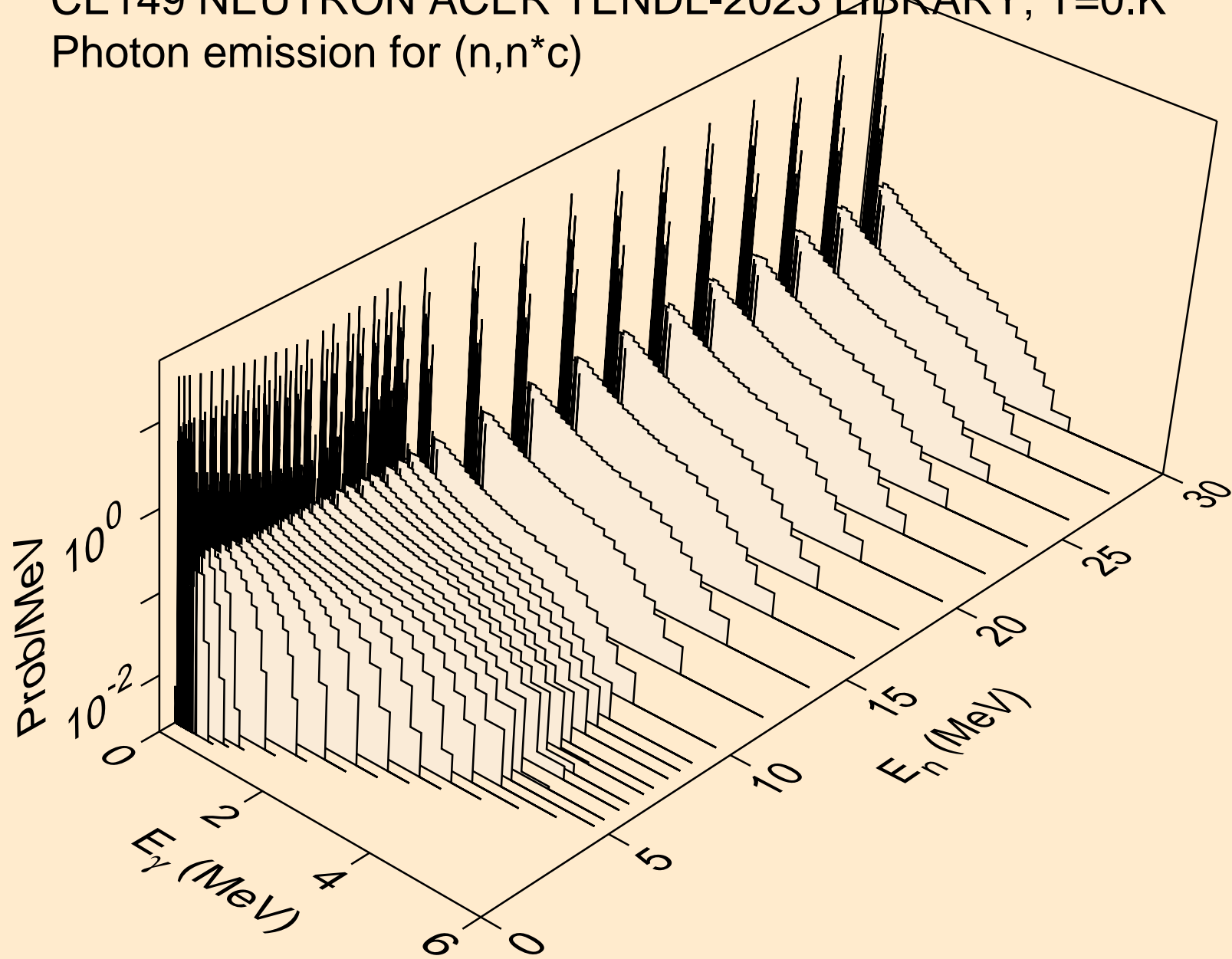
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



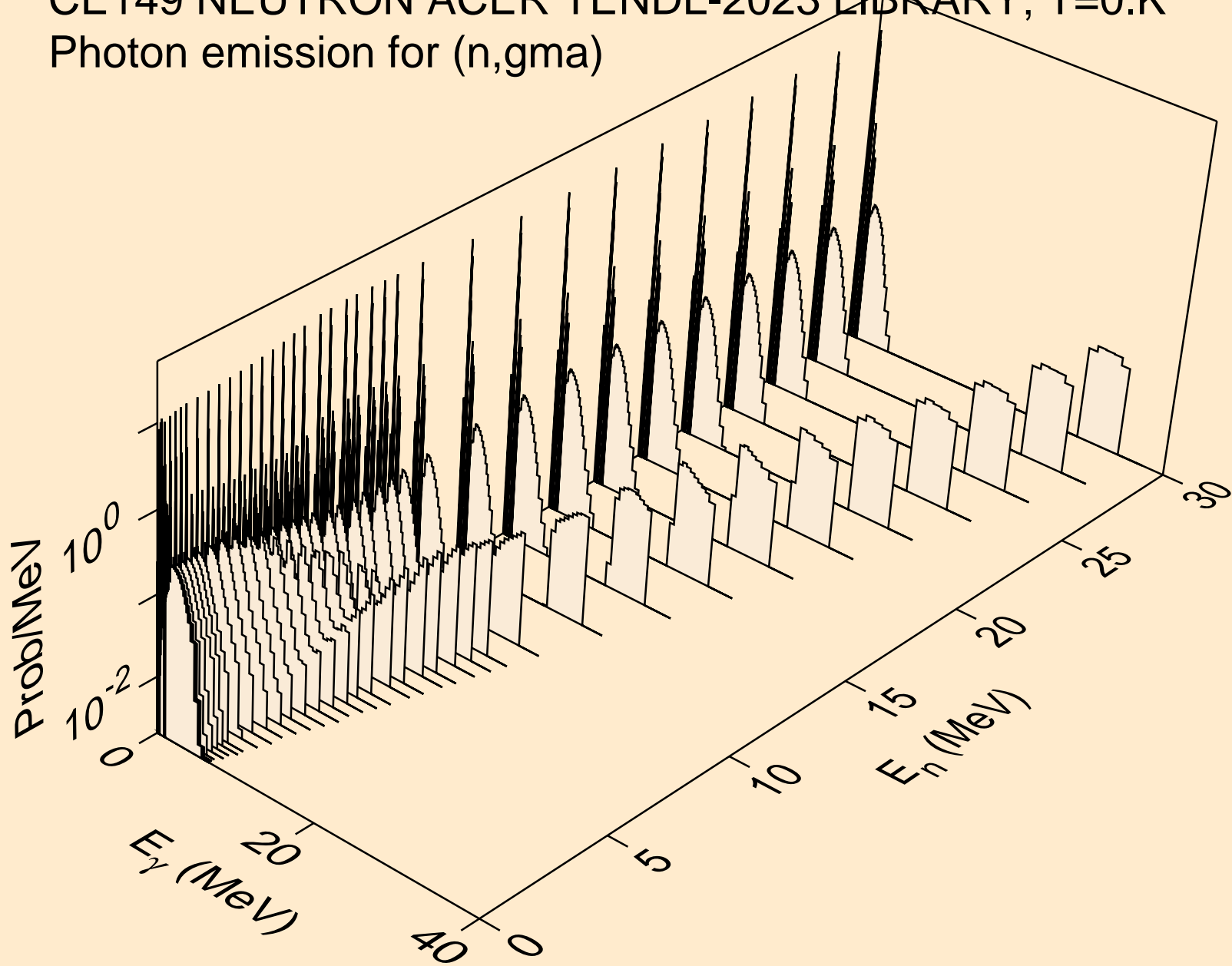
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



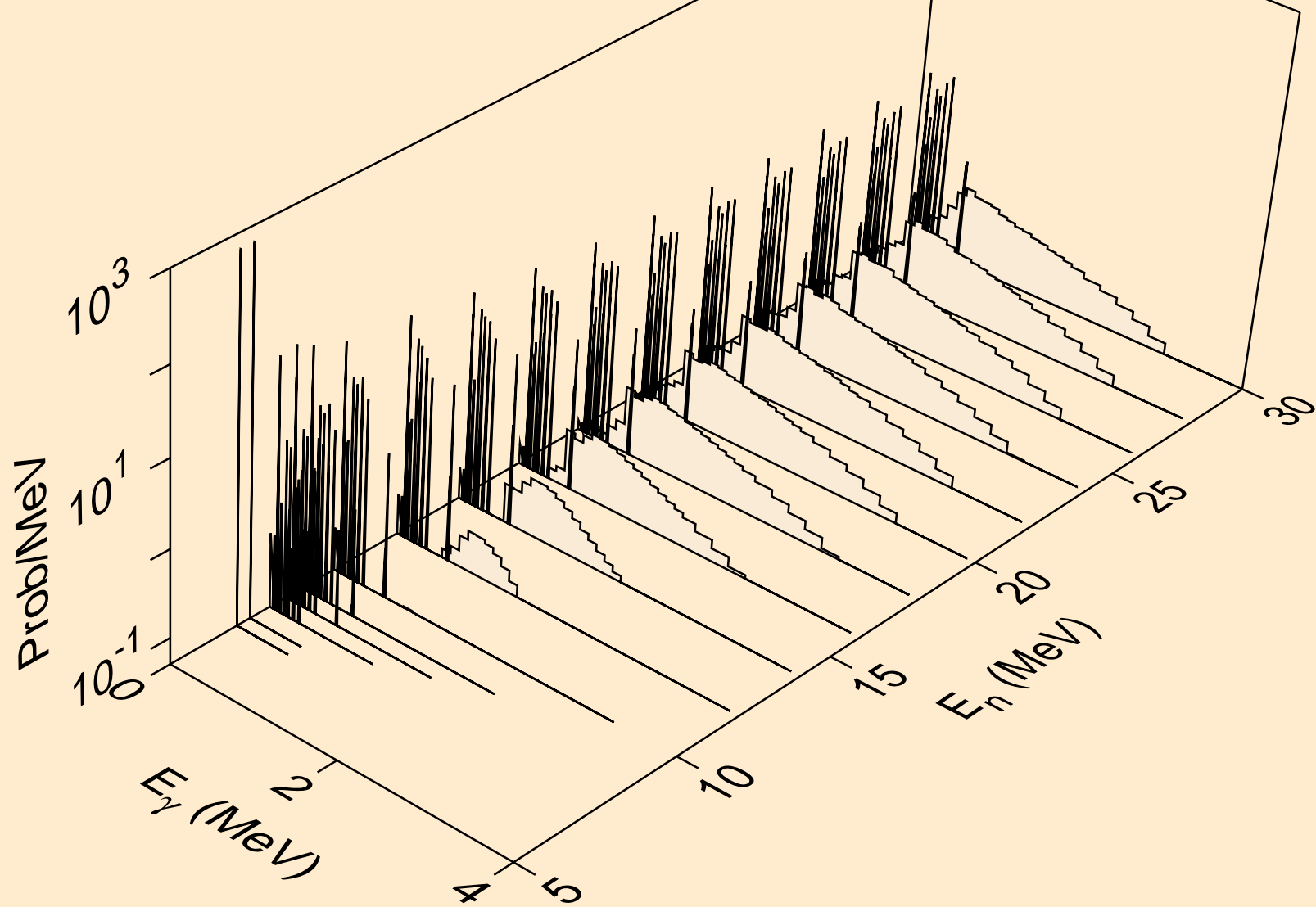
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Photon emission for (n,n\*c)



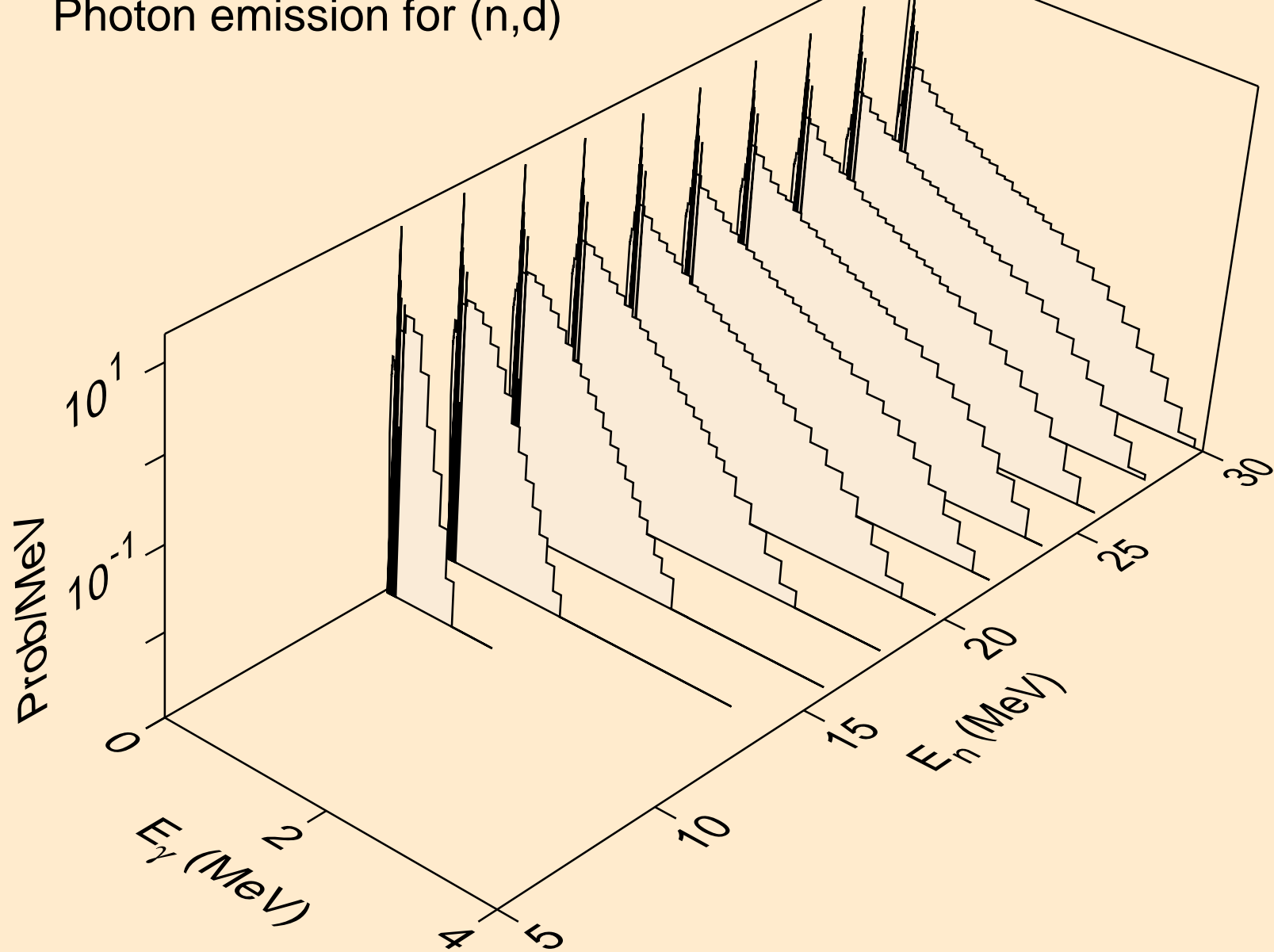
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



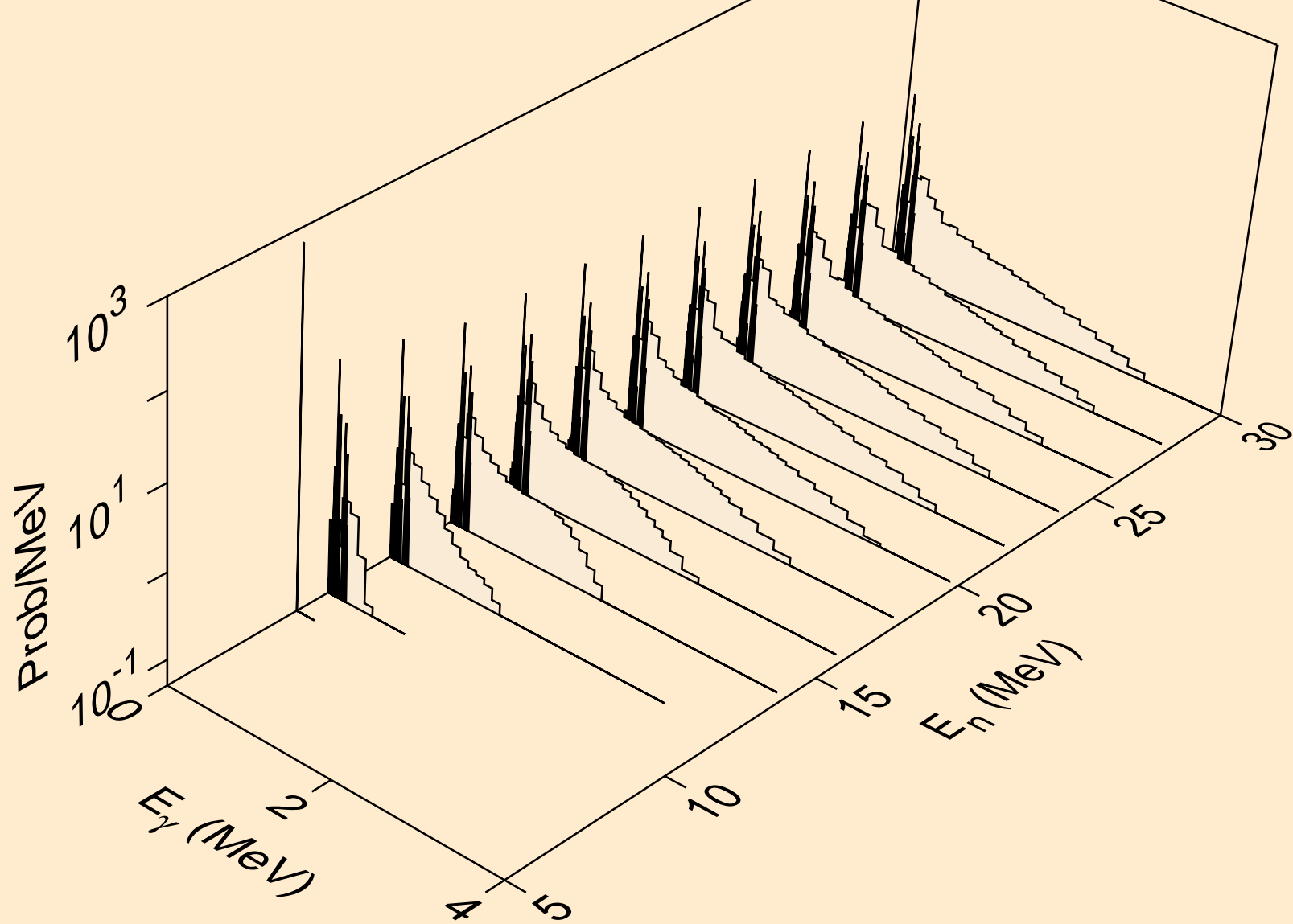
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Photon emission for (n,p)



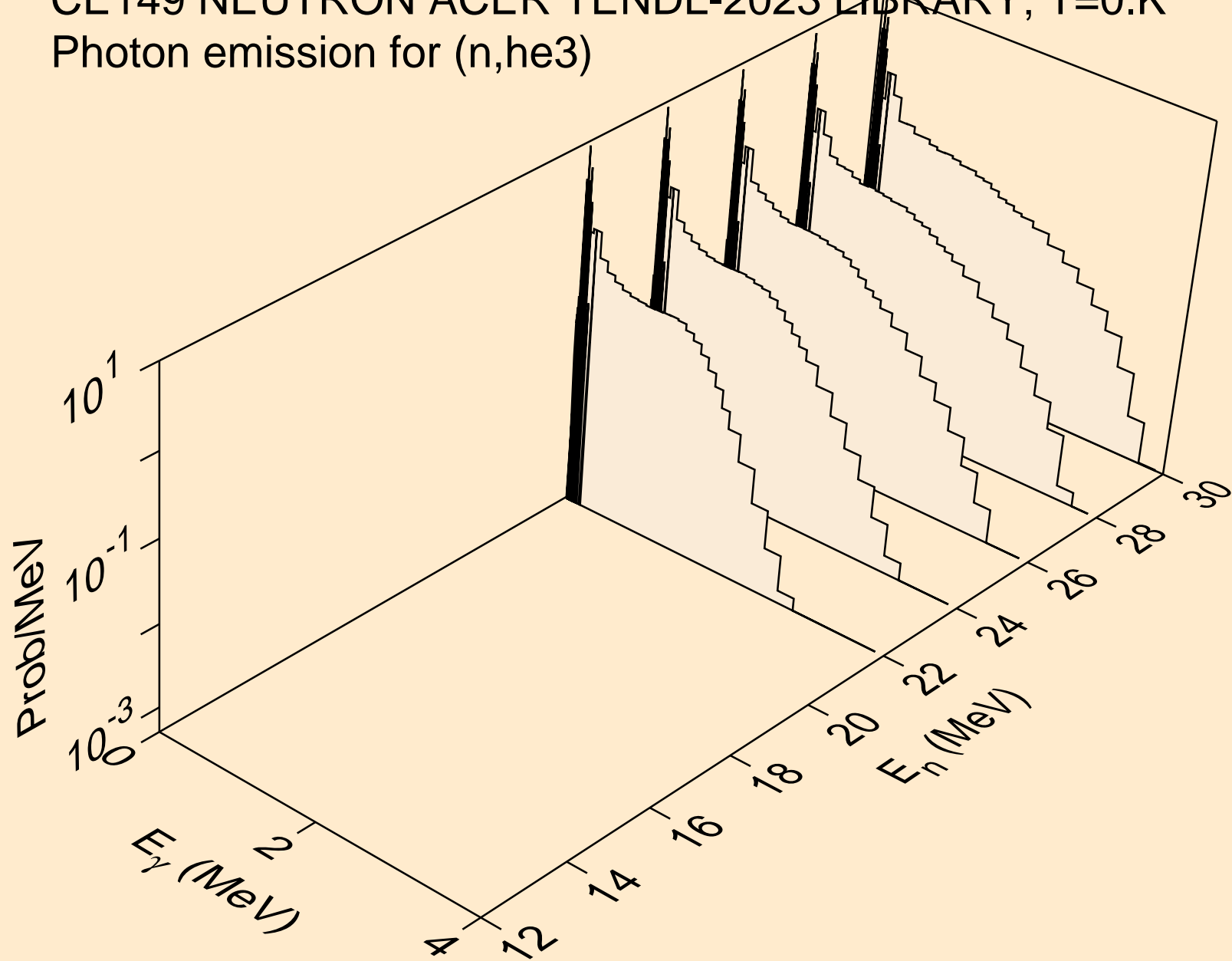
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Photon emission for (n,d)



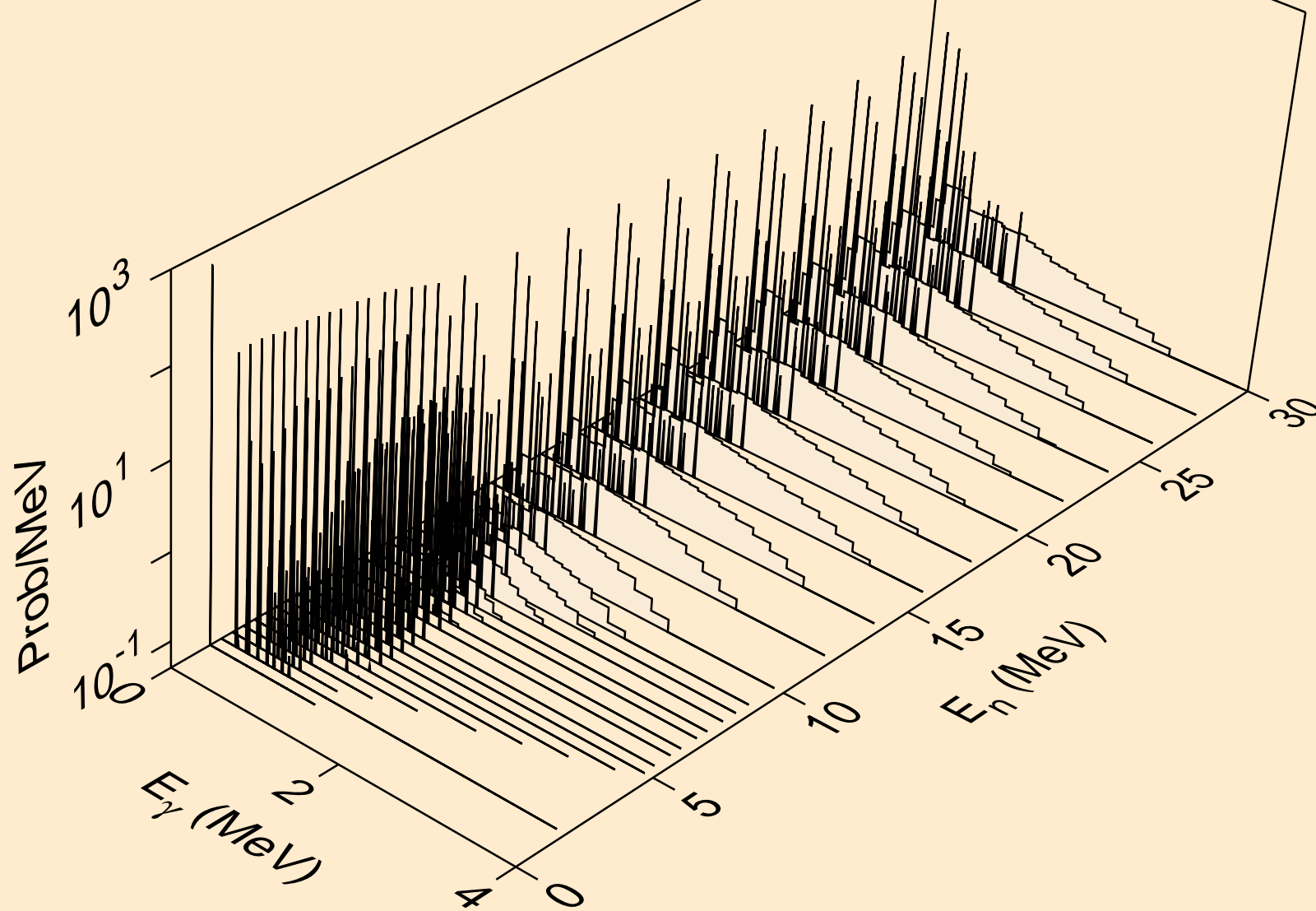
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Photon emission for (n,t)



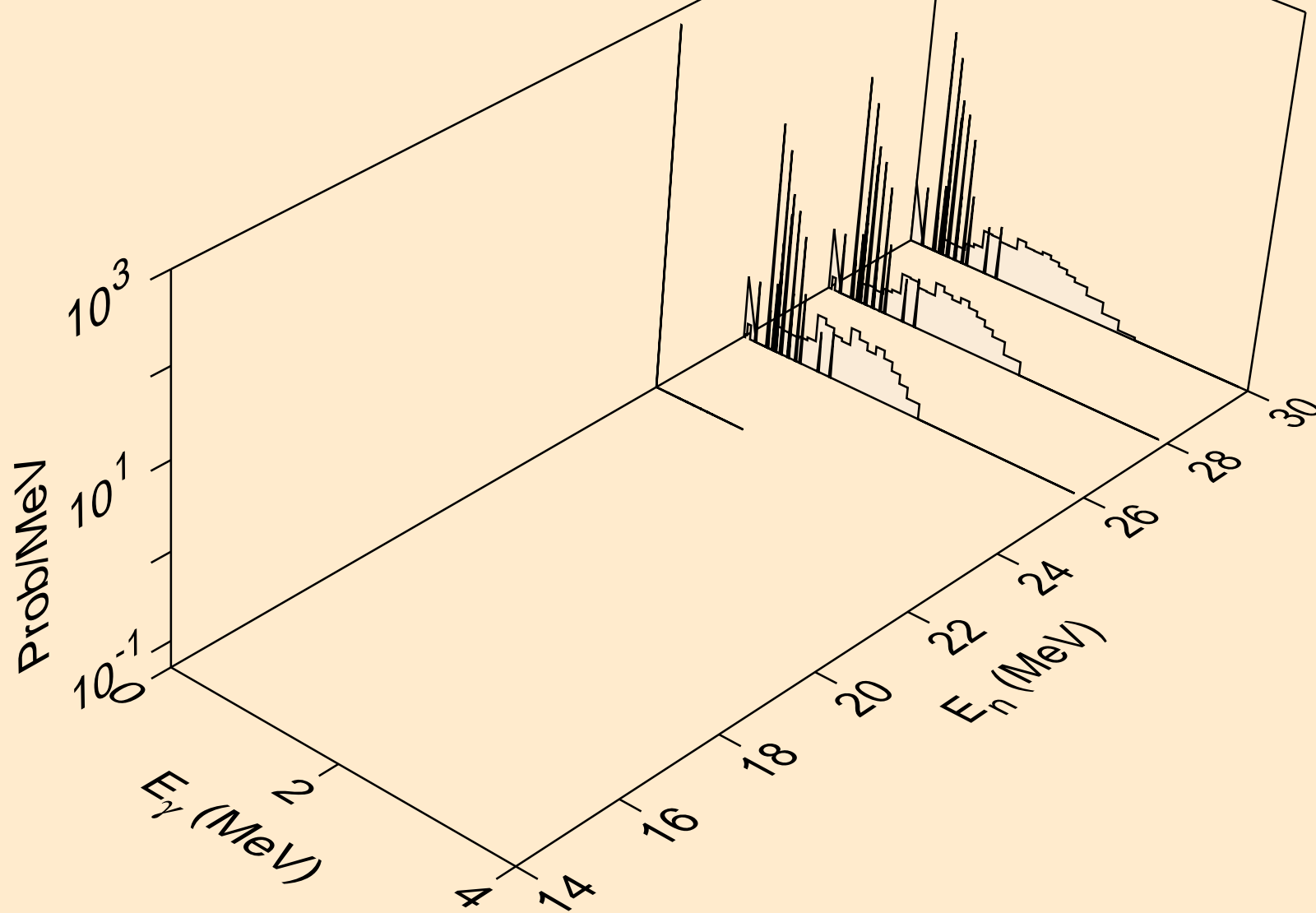
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Photon emission for (n,he3)



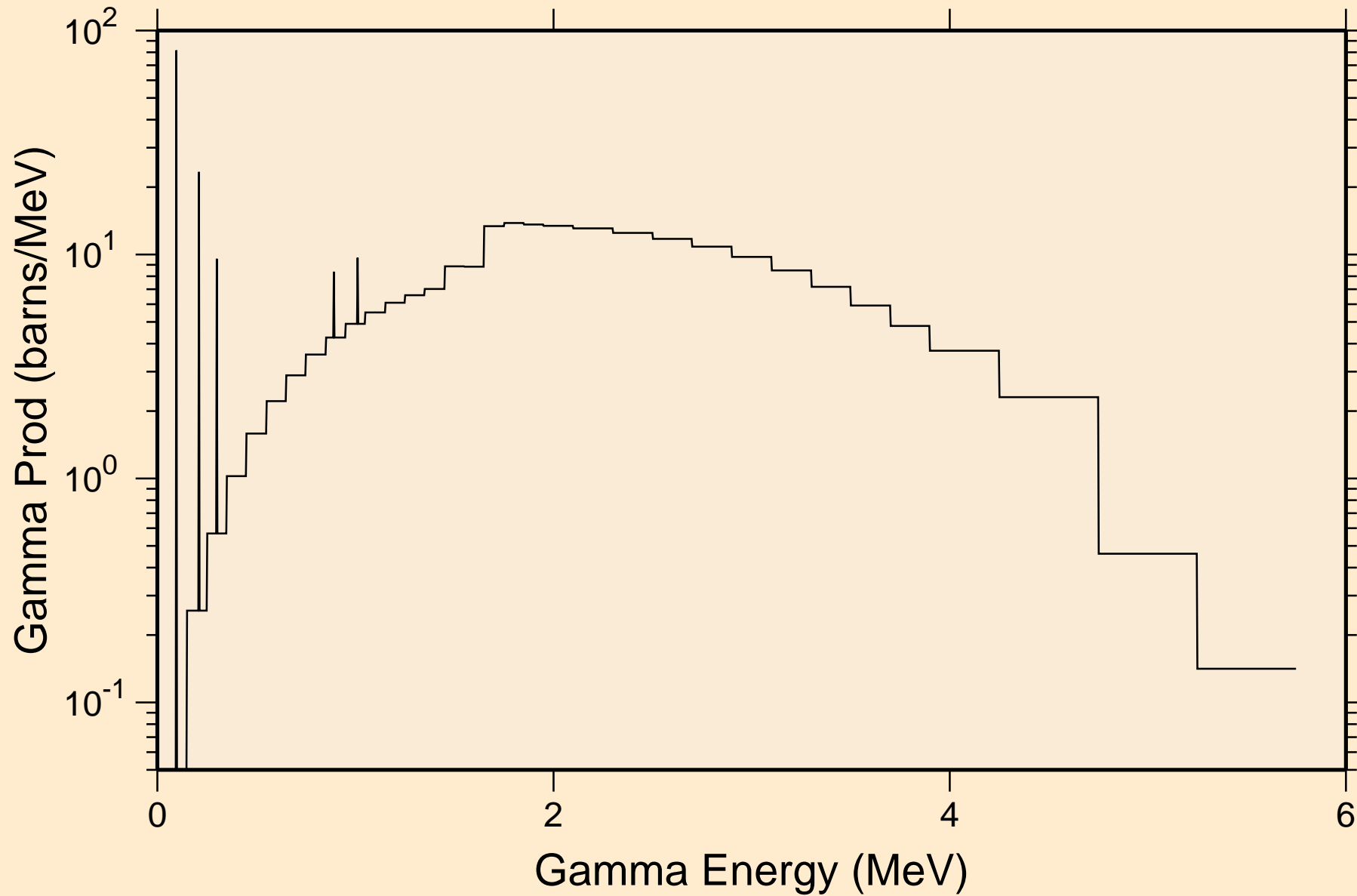
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



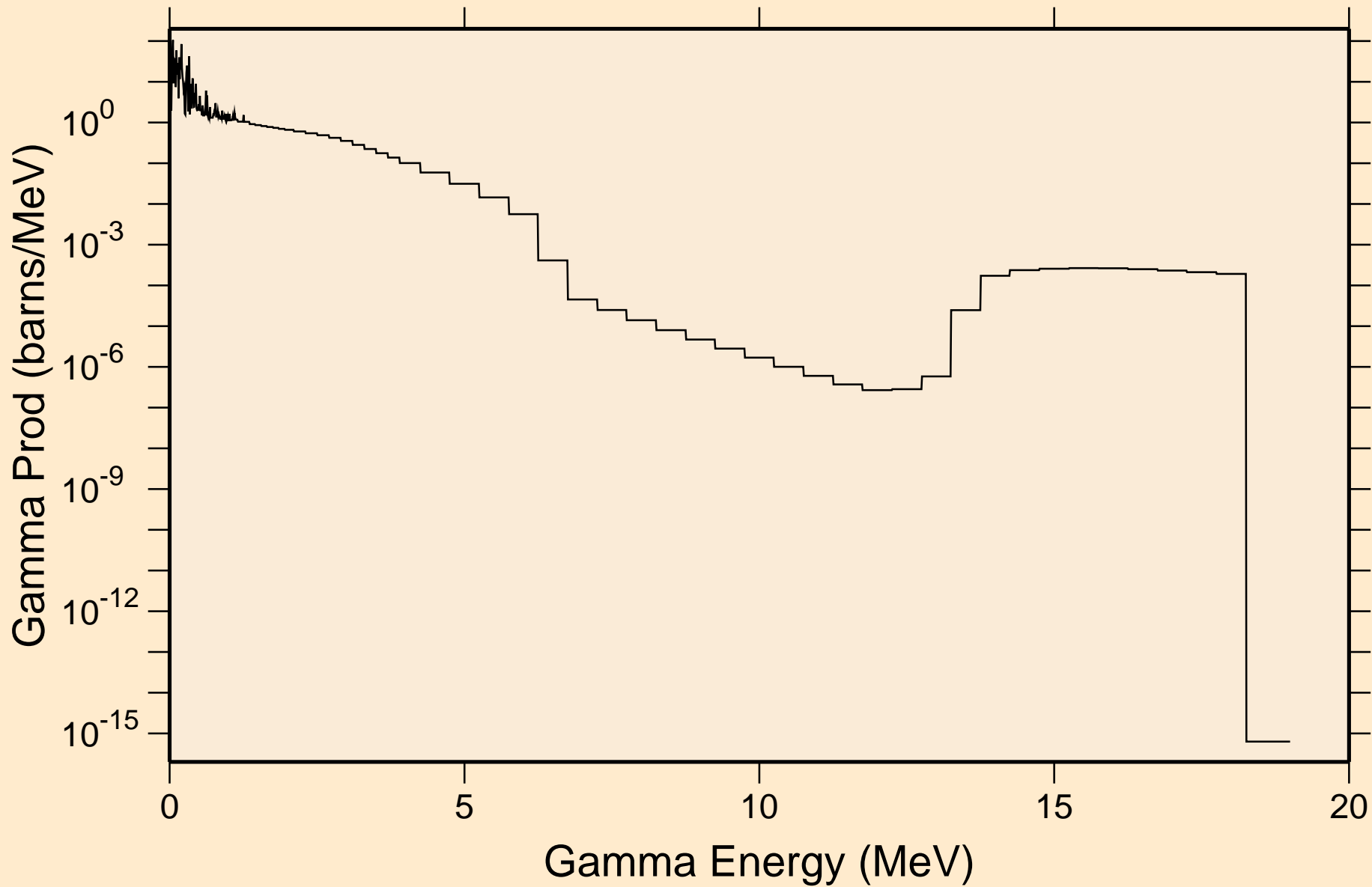
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

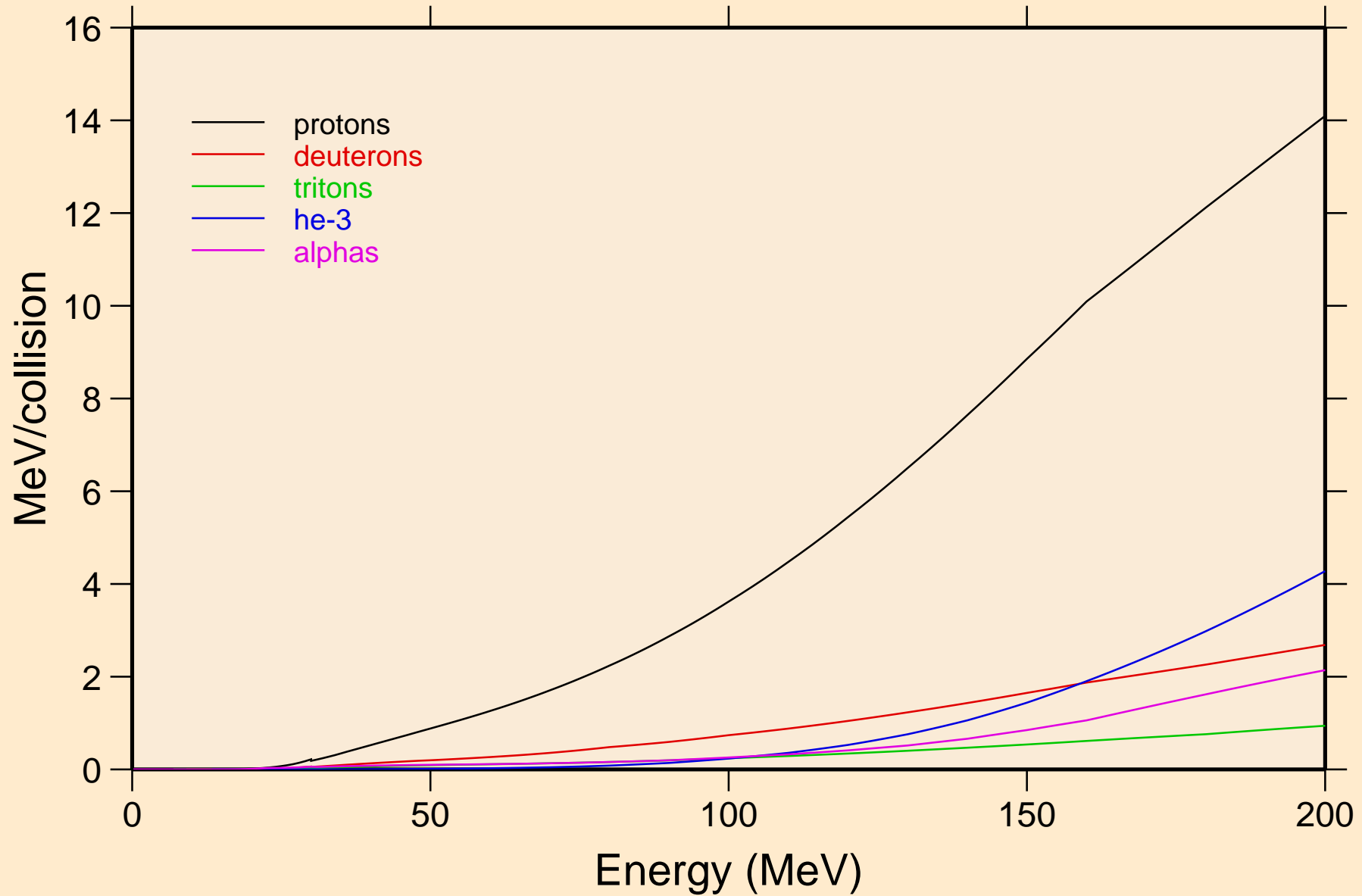


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

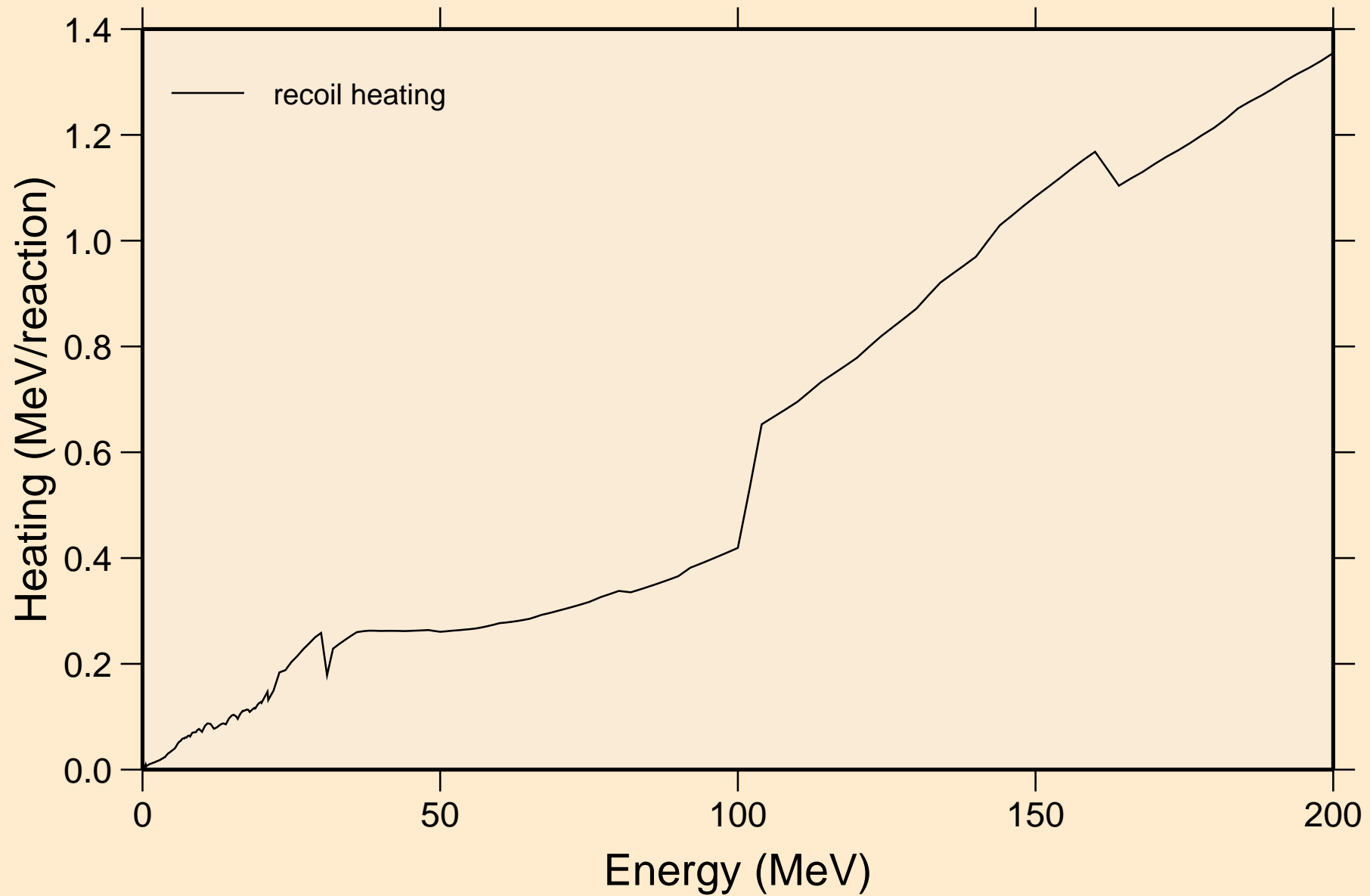


# CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

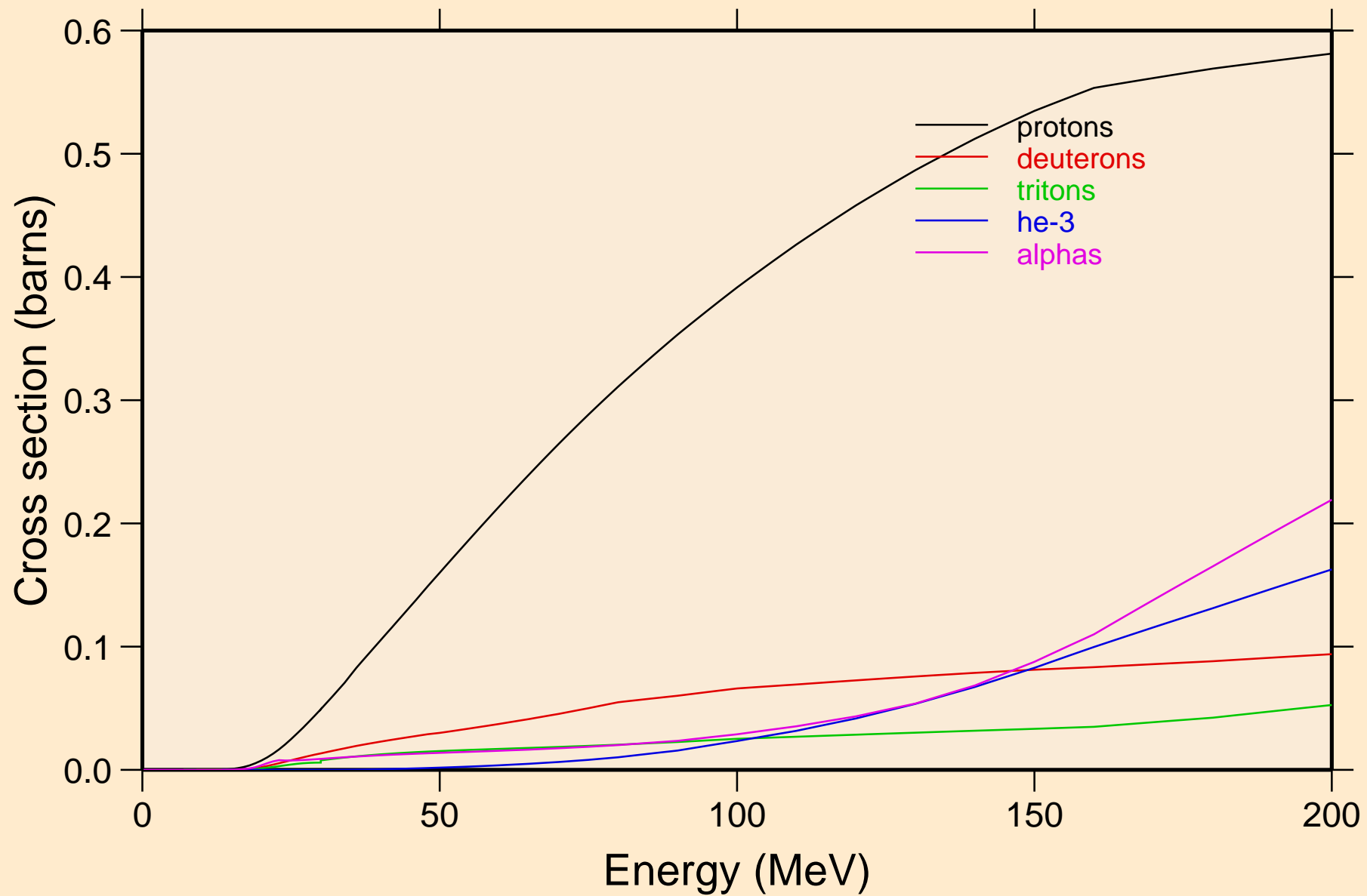


CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

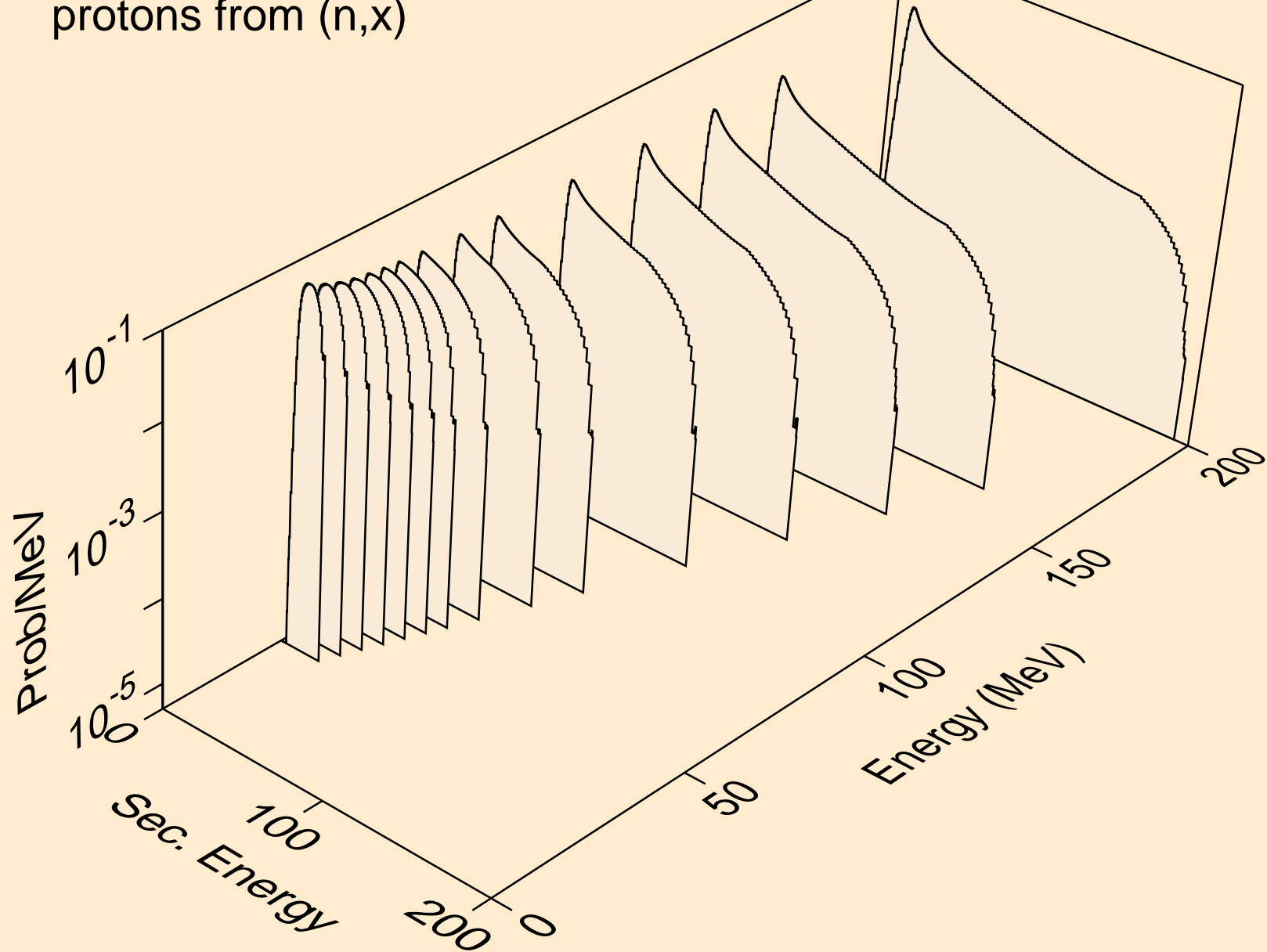


# CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

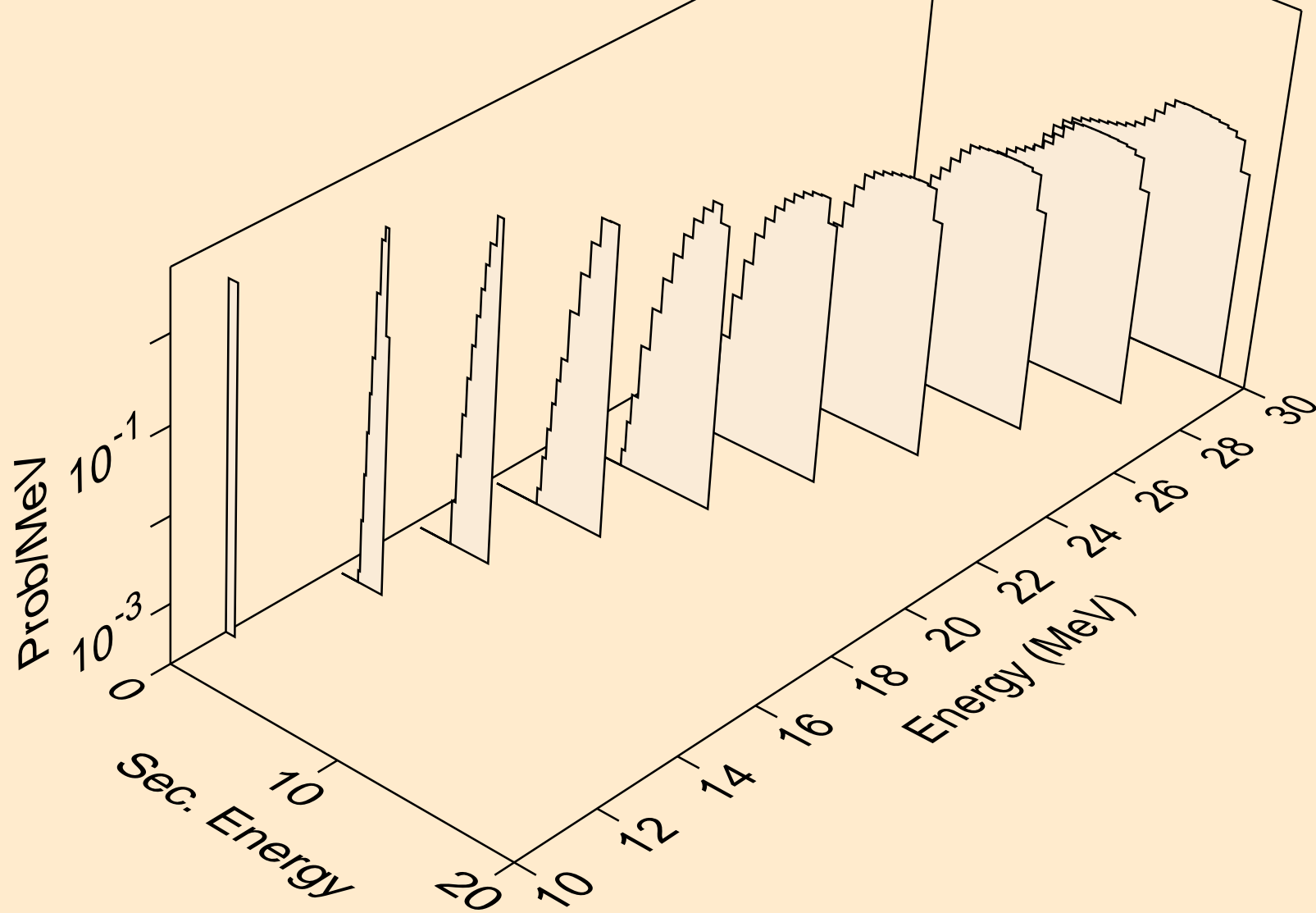
## Particle production cross sections



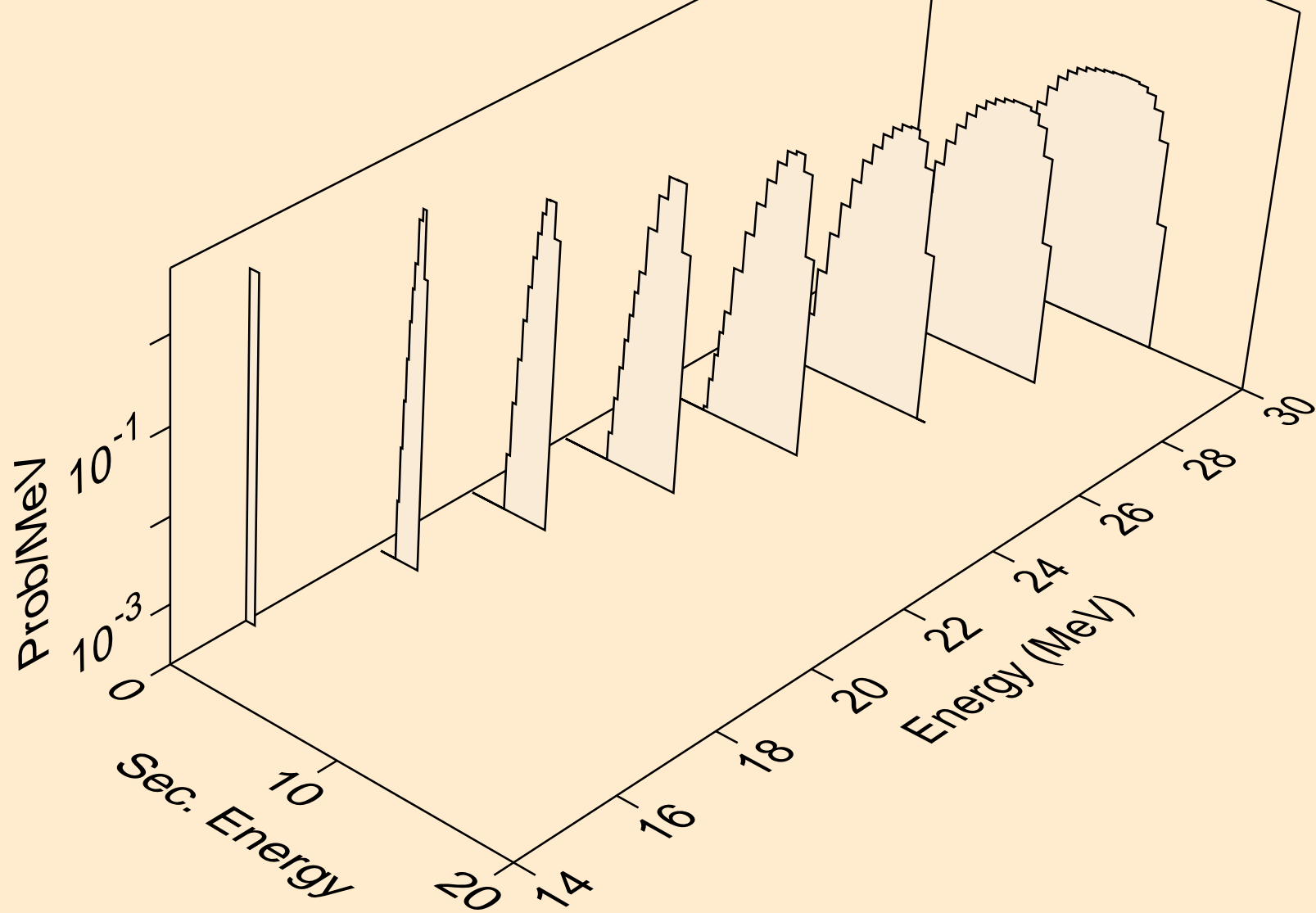
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



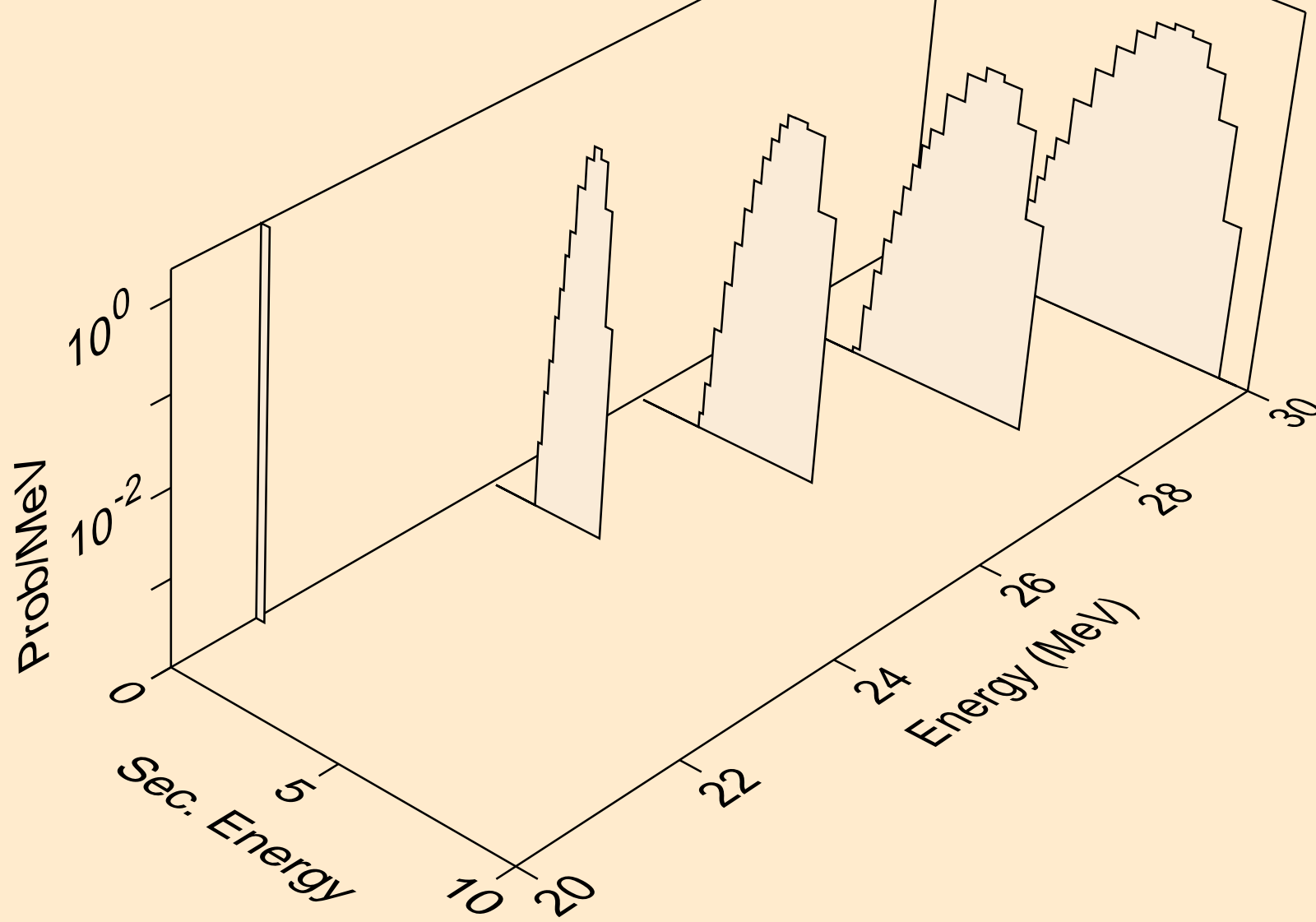
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



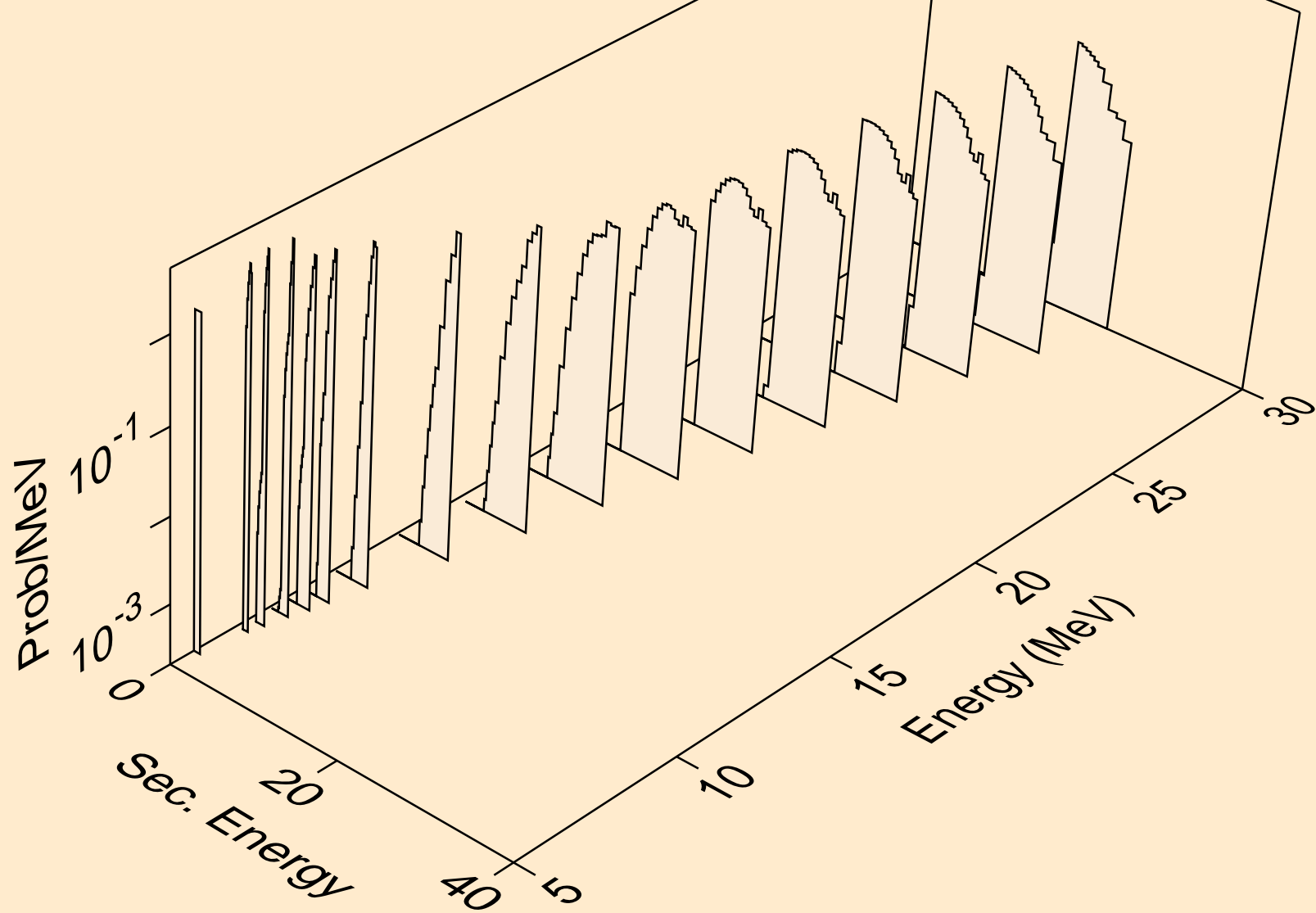
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protons from (n,2np)



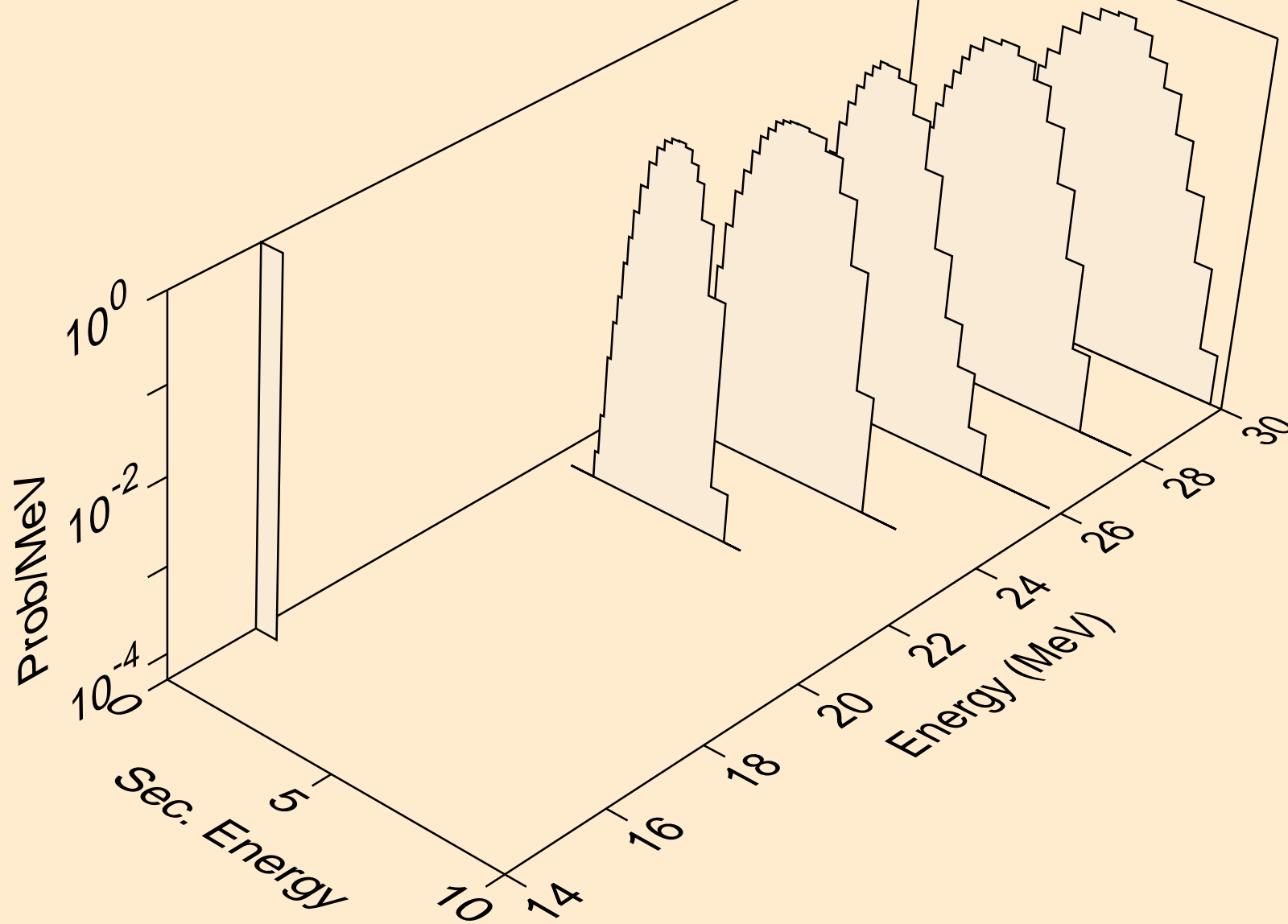
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protons from (n,3np)



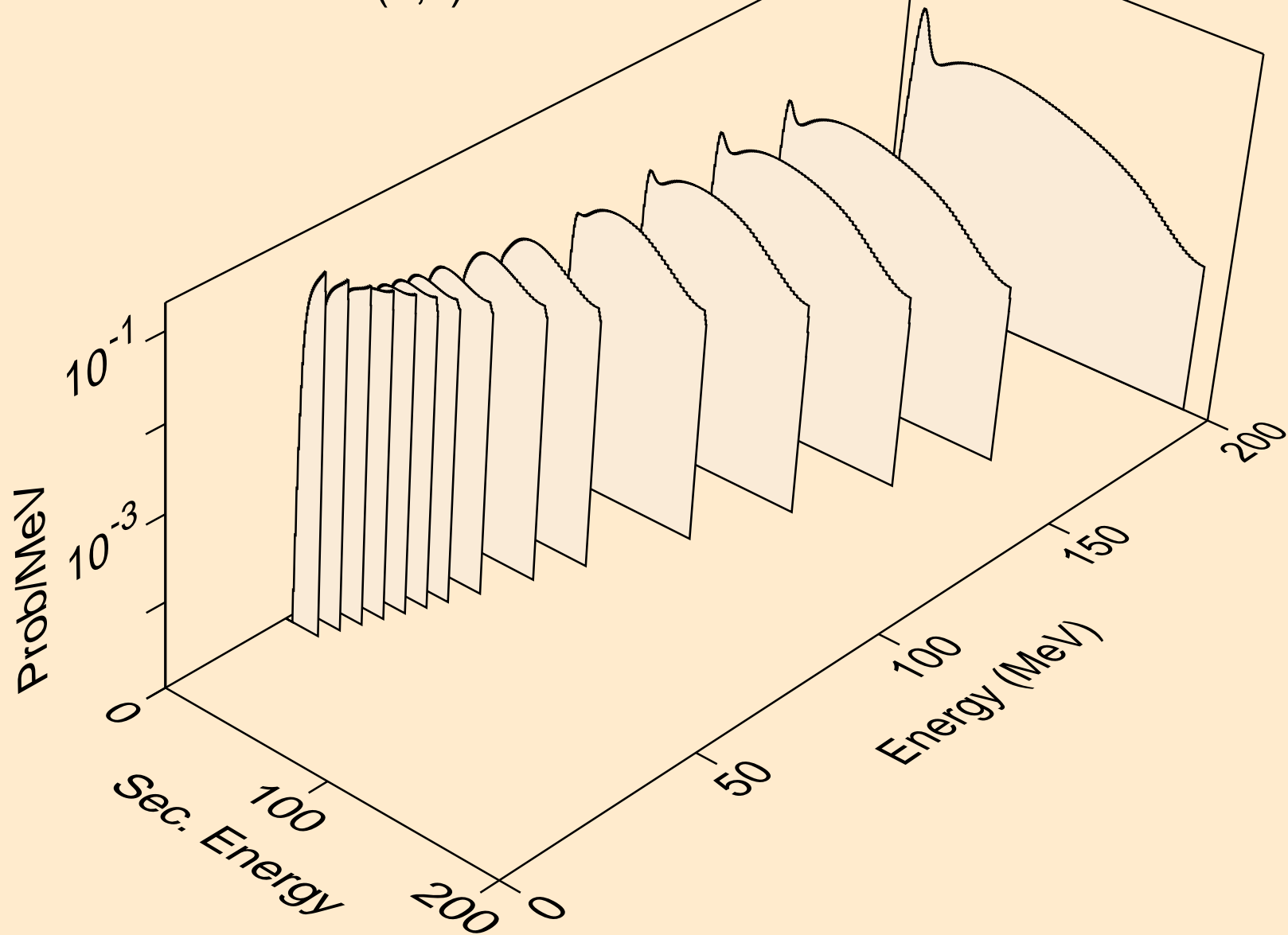
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protons from (n,p)



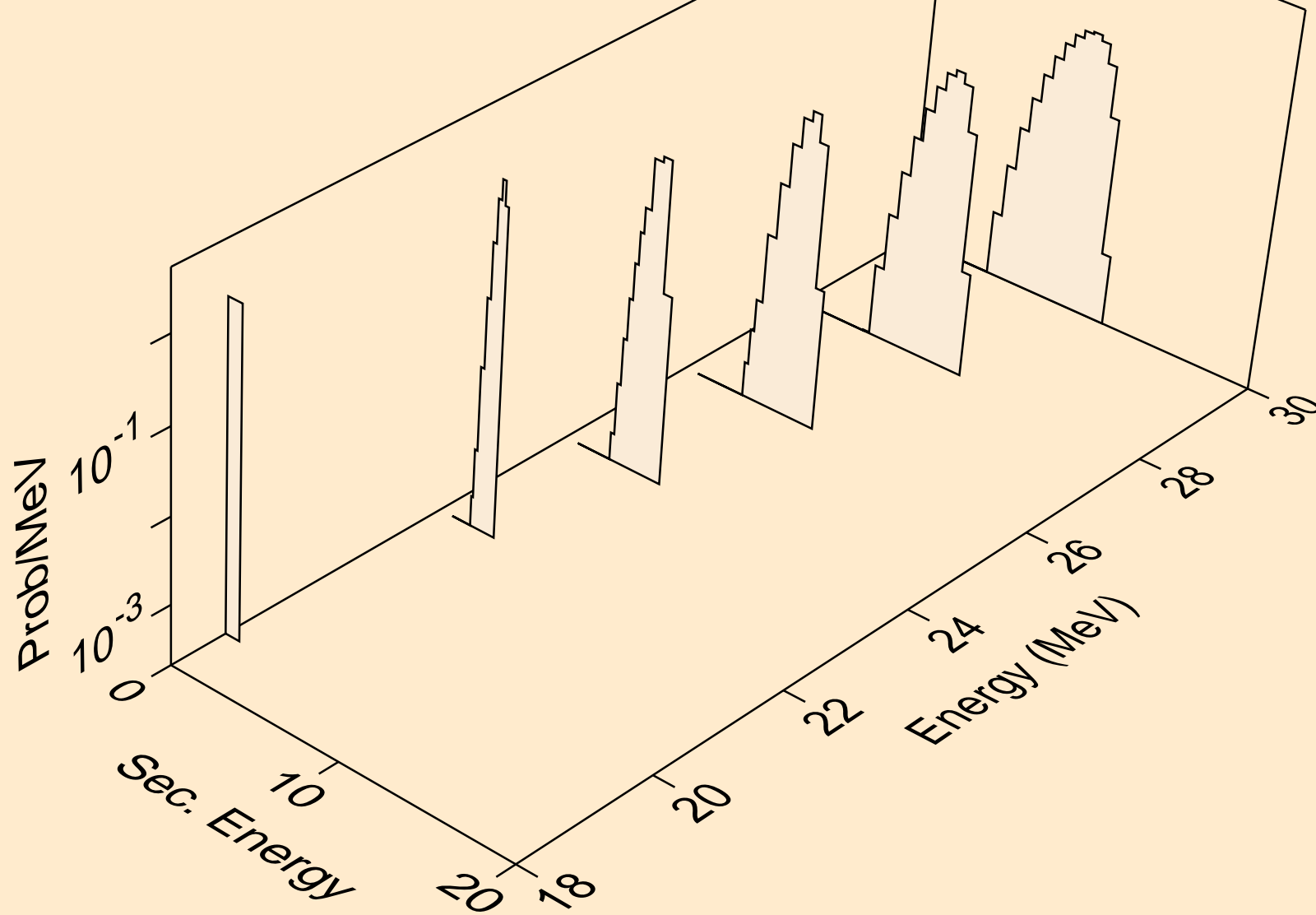
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protons from (n,2p)



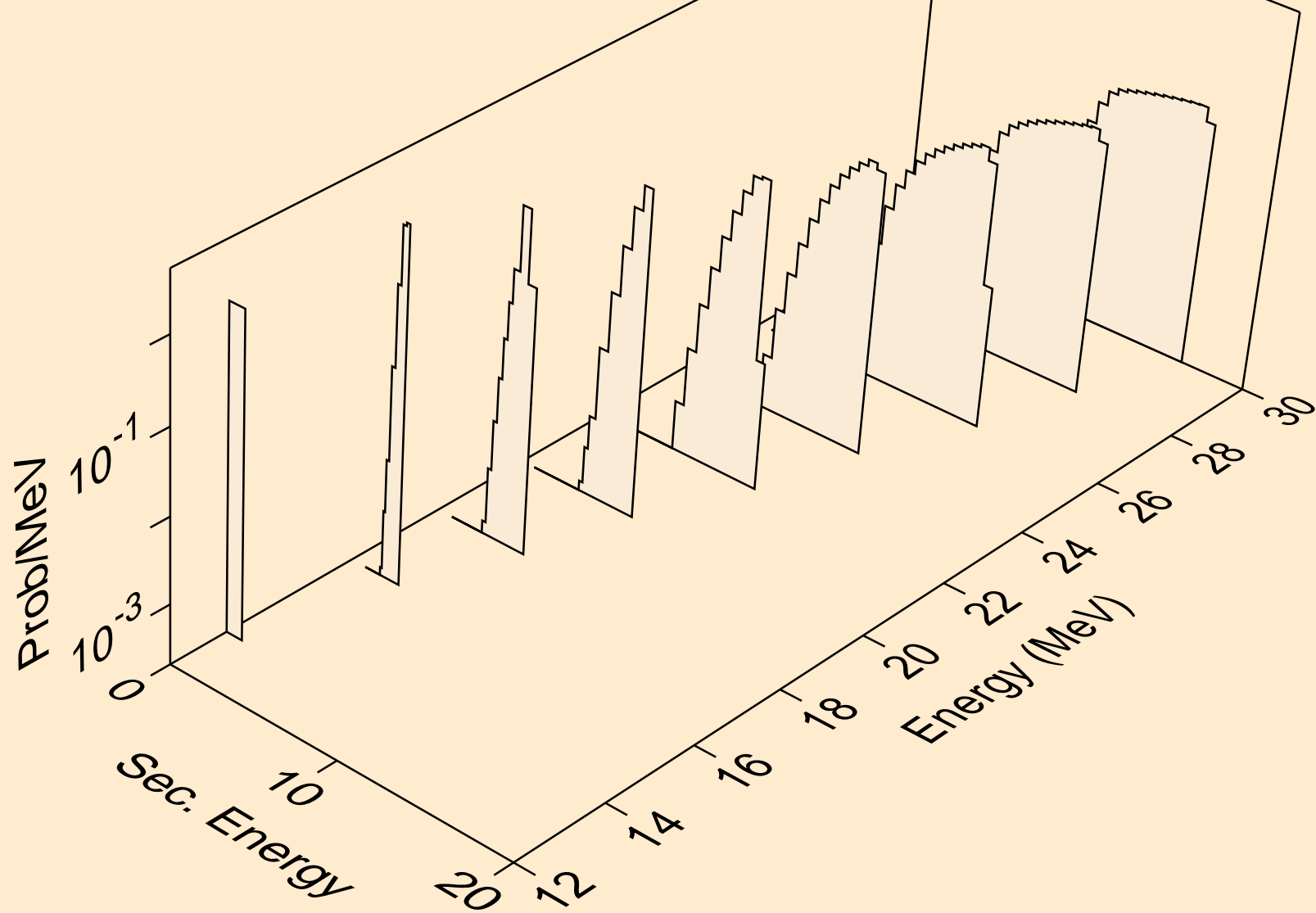
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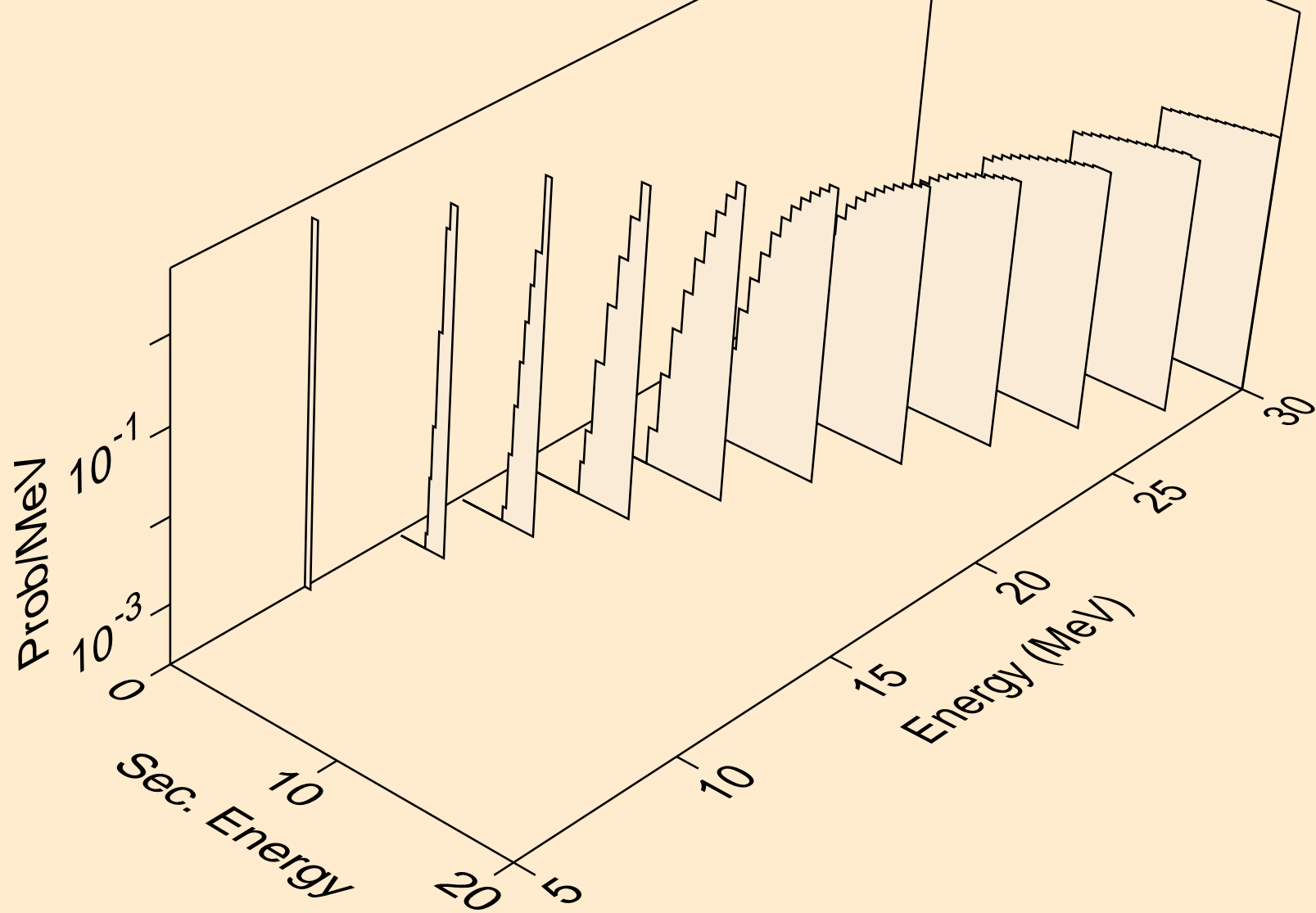
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deuterons from (n,2nd)



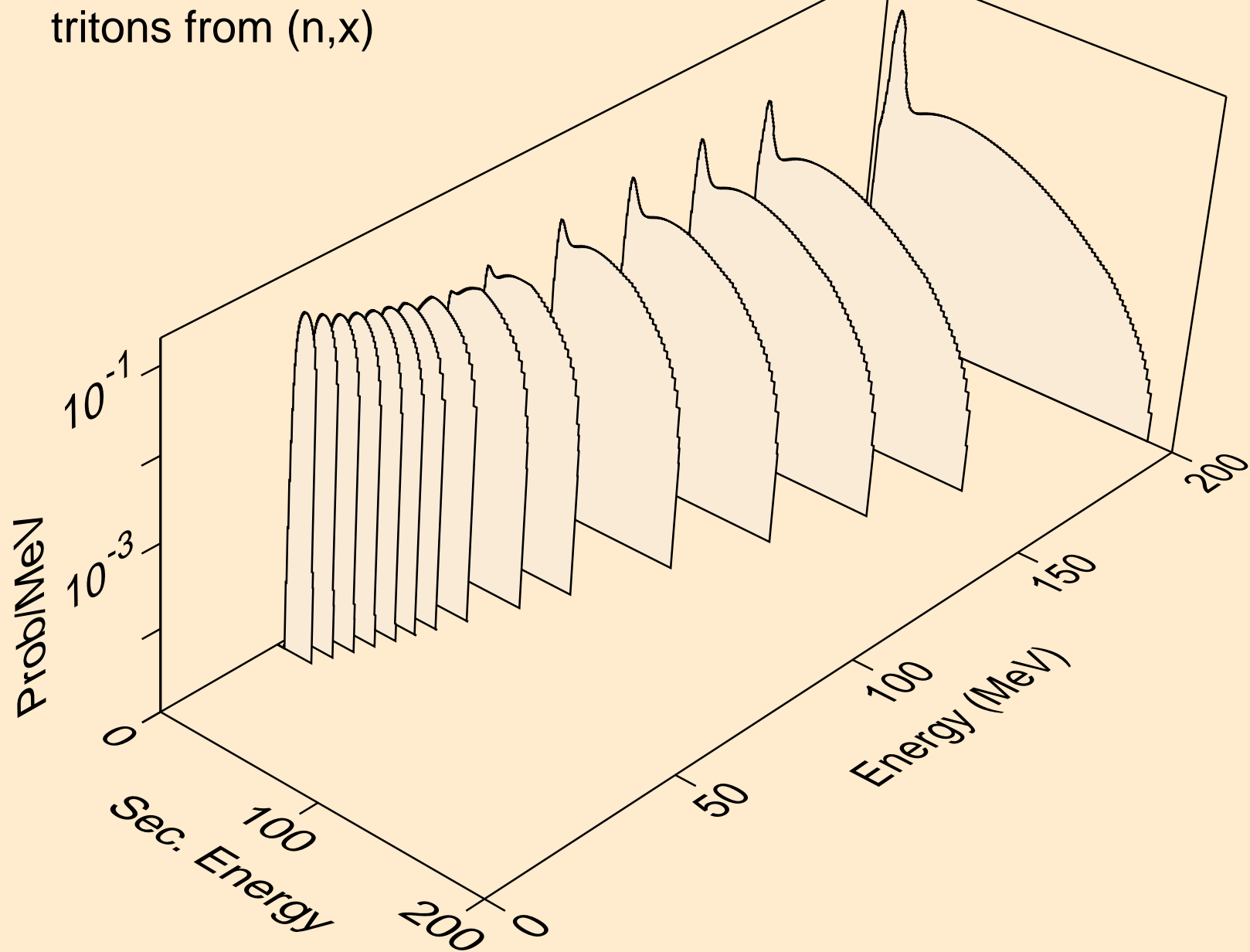
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



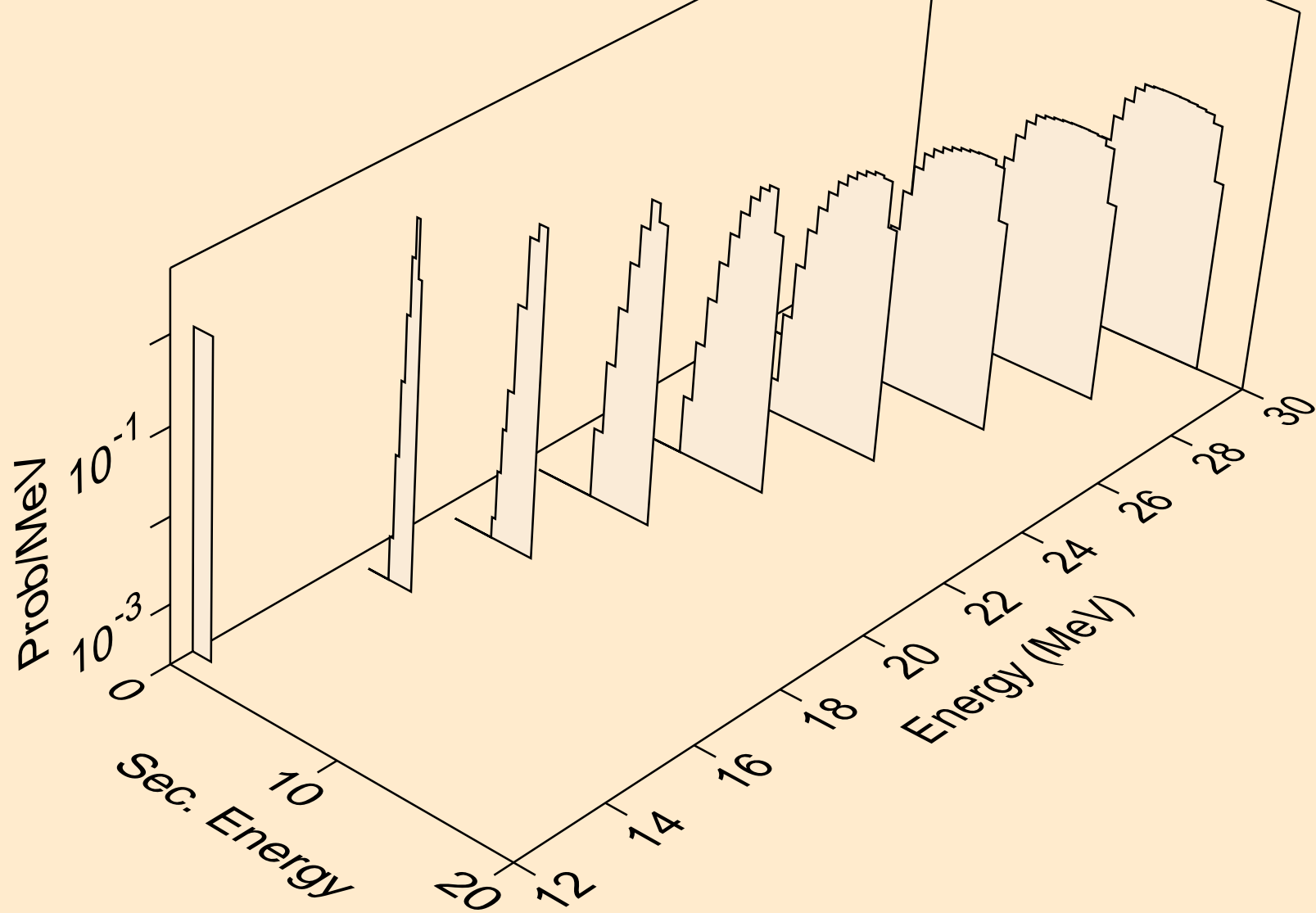
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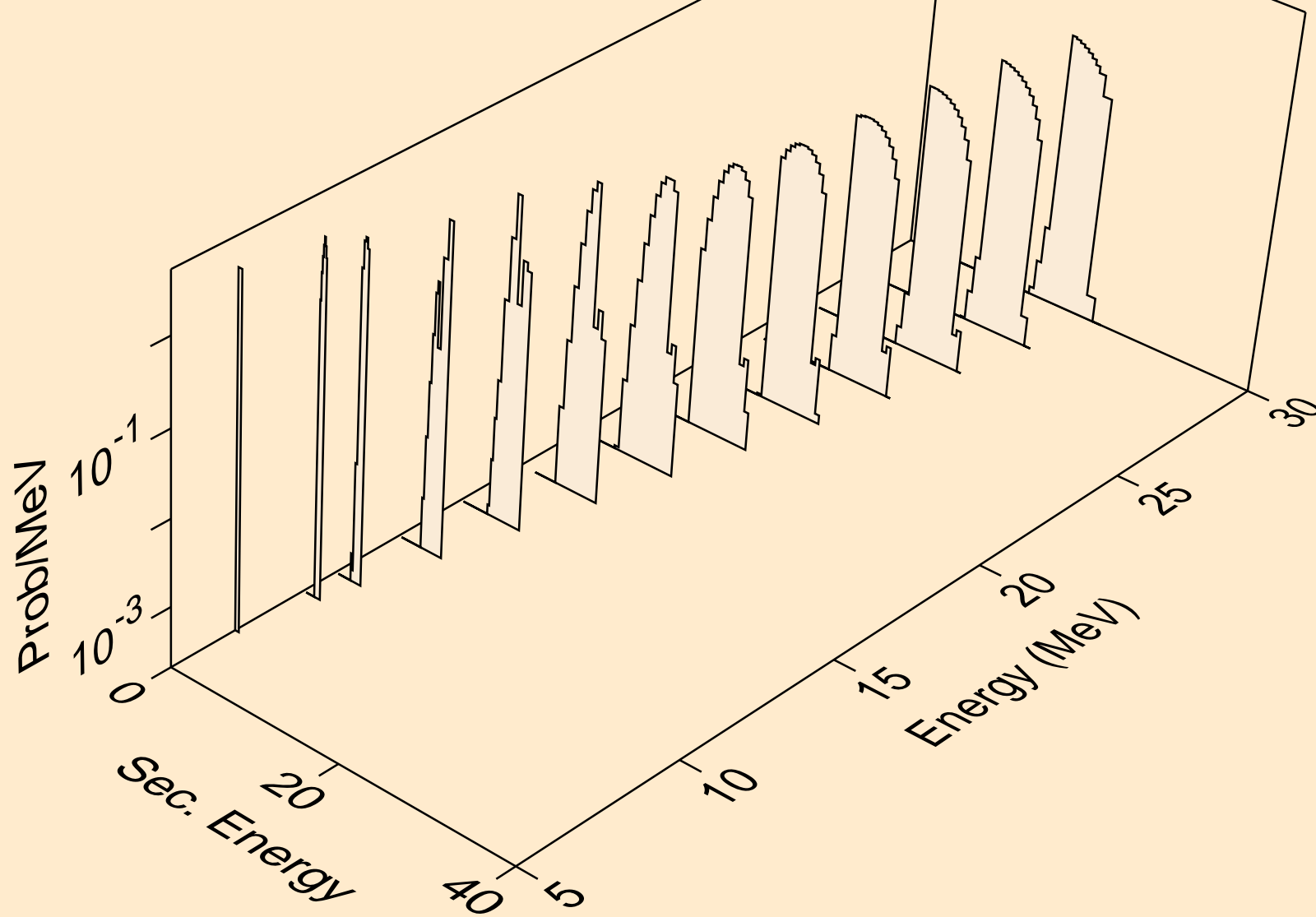
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tritons from (n,x)



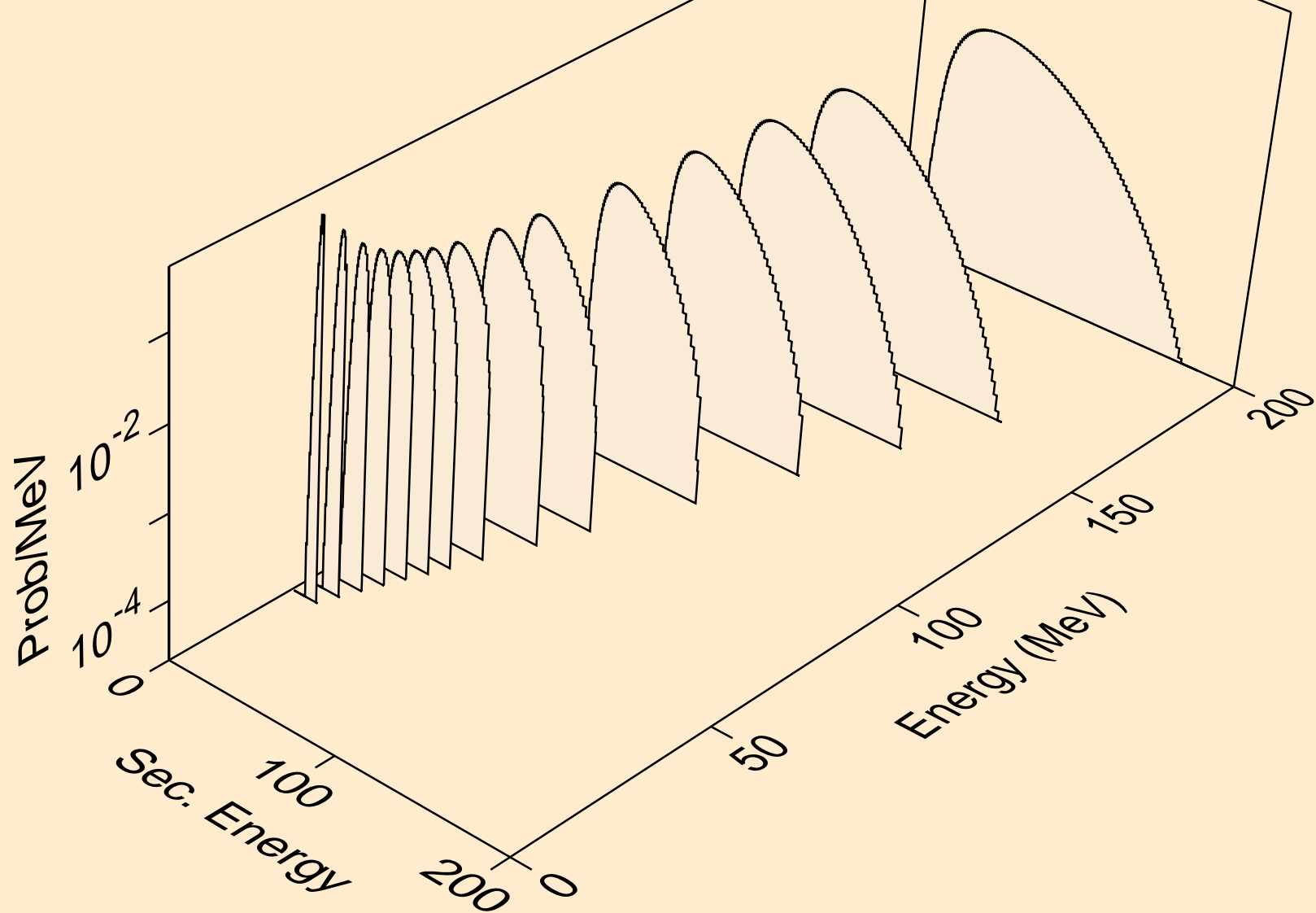
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



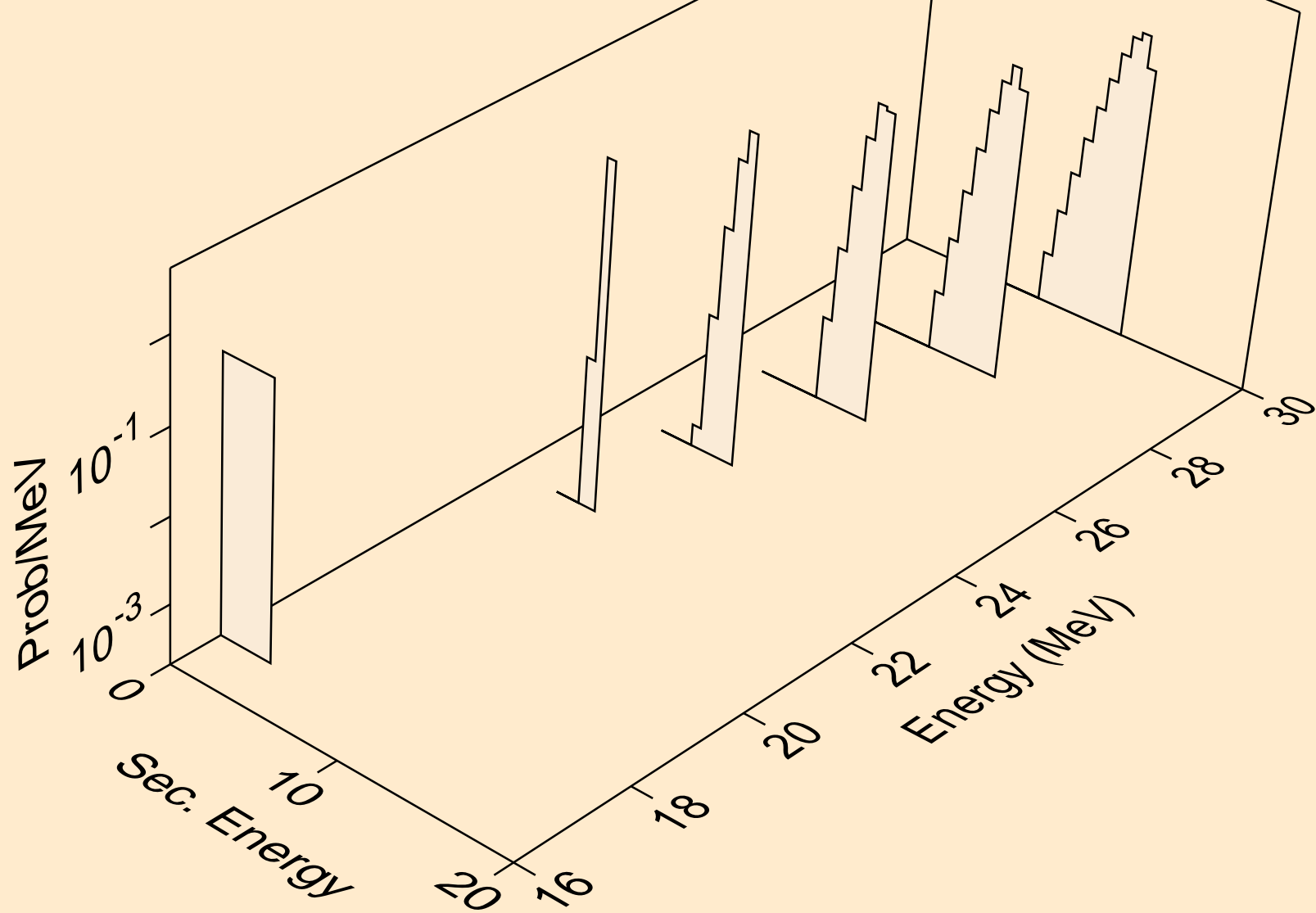
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tritons from (n,t)



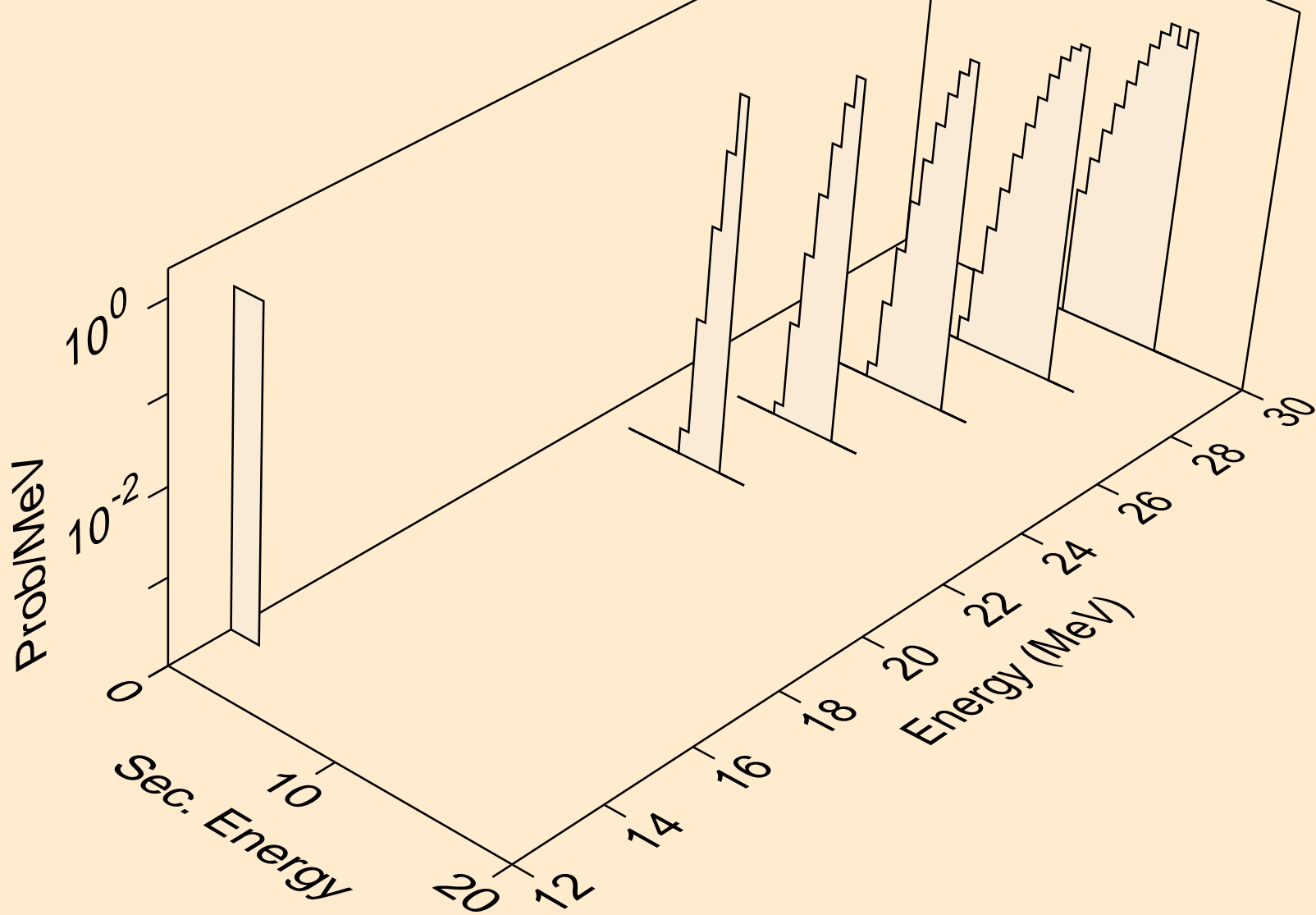
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he3s from (n,x)



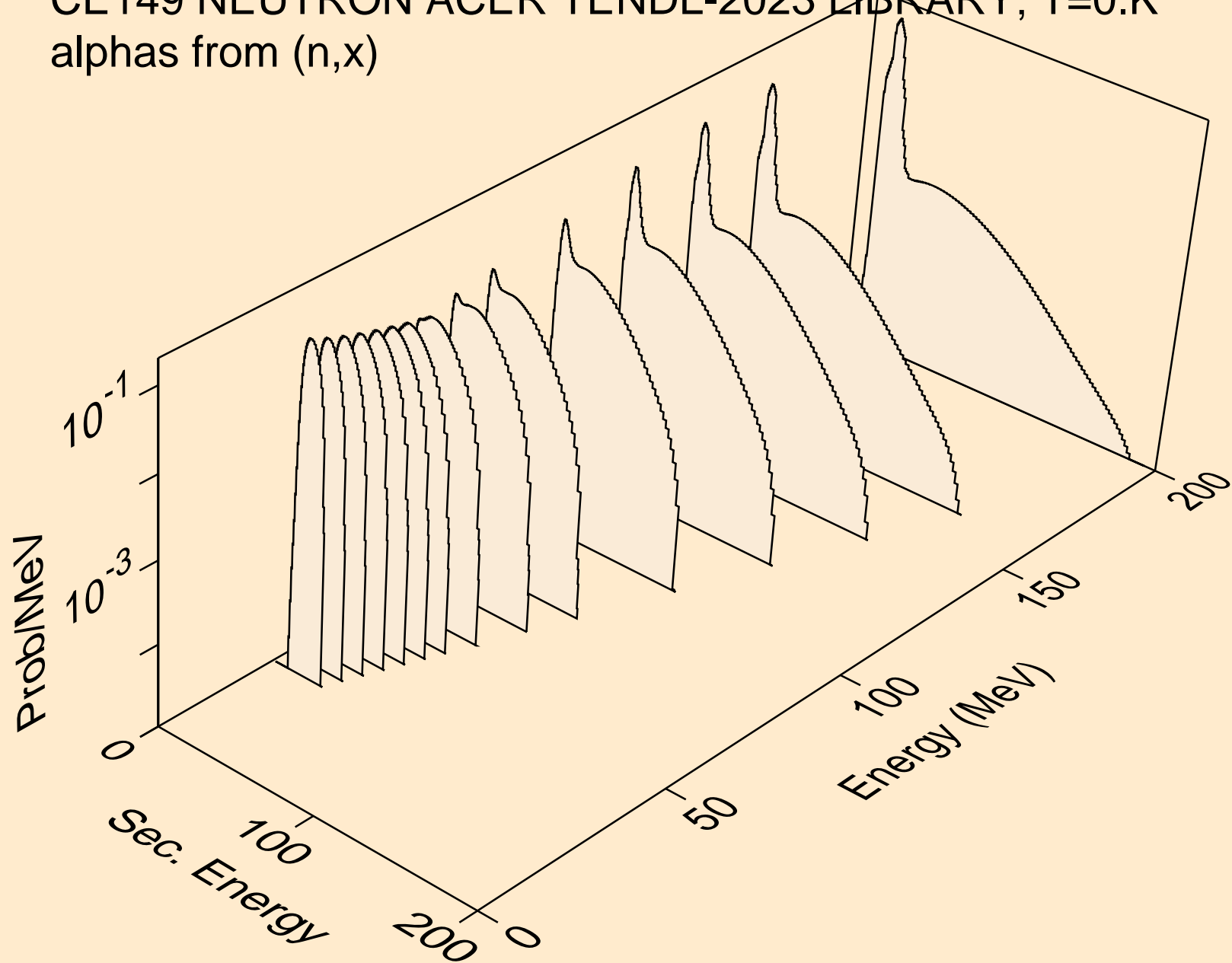
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



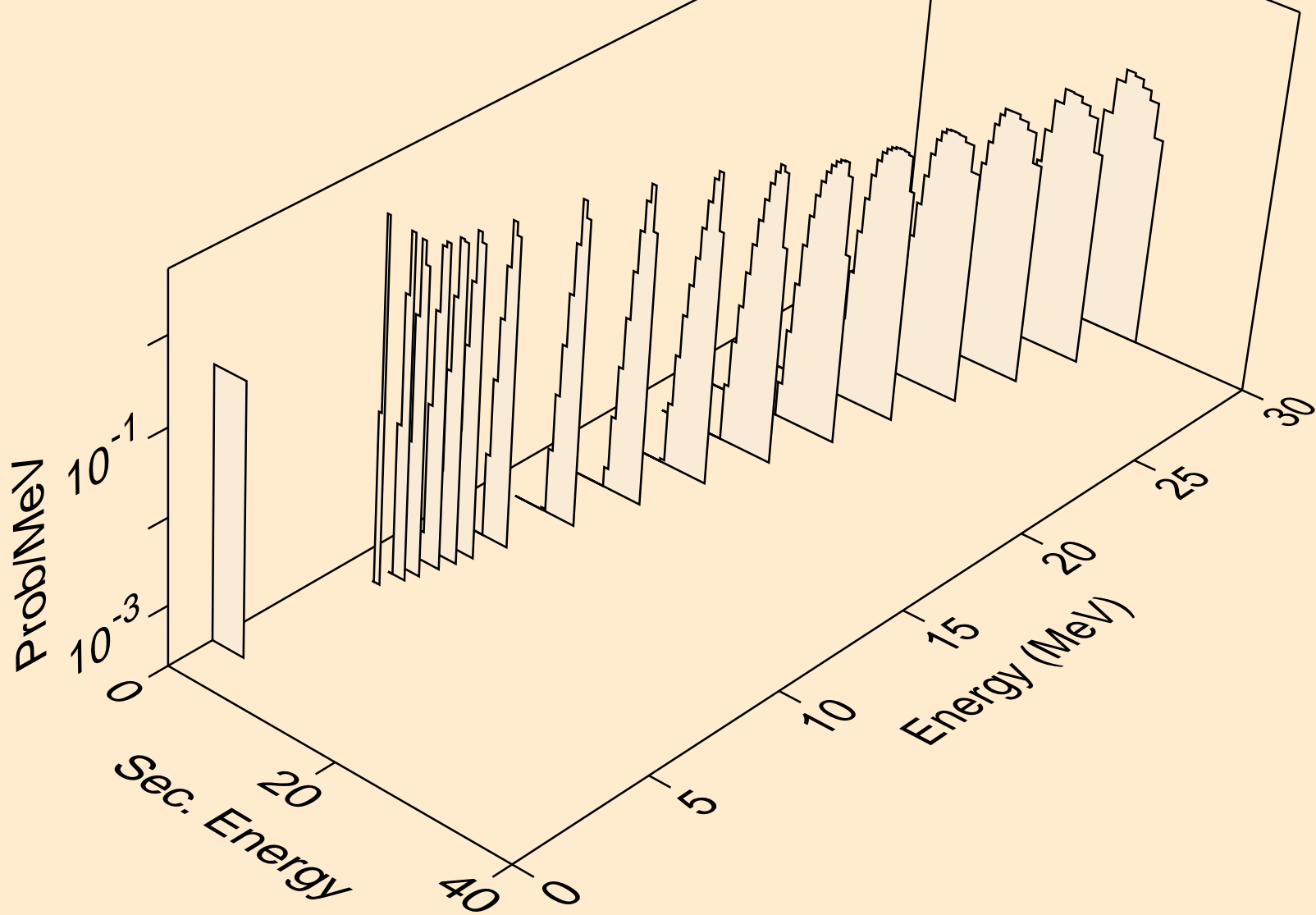
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he3s from (n,he3)



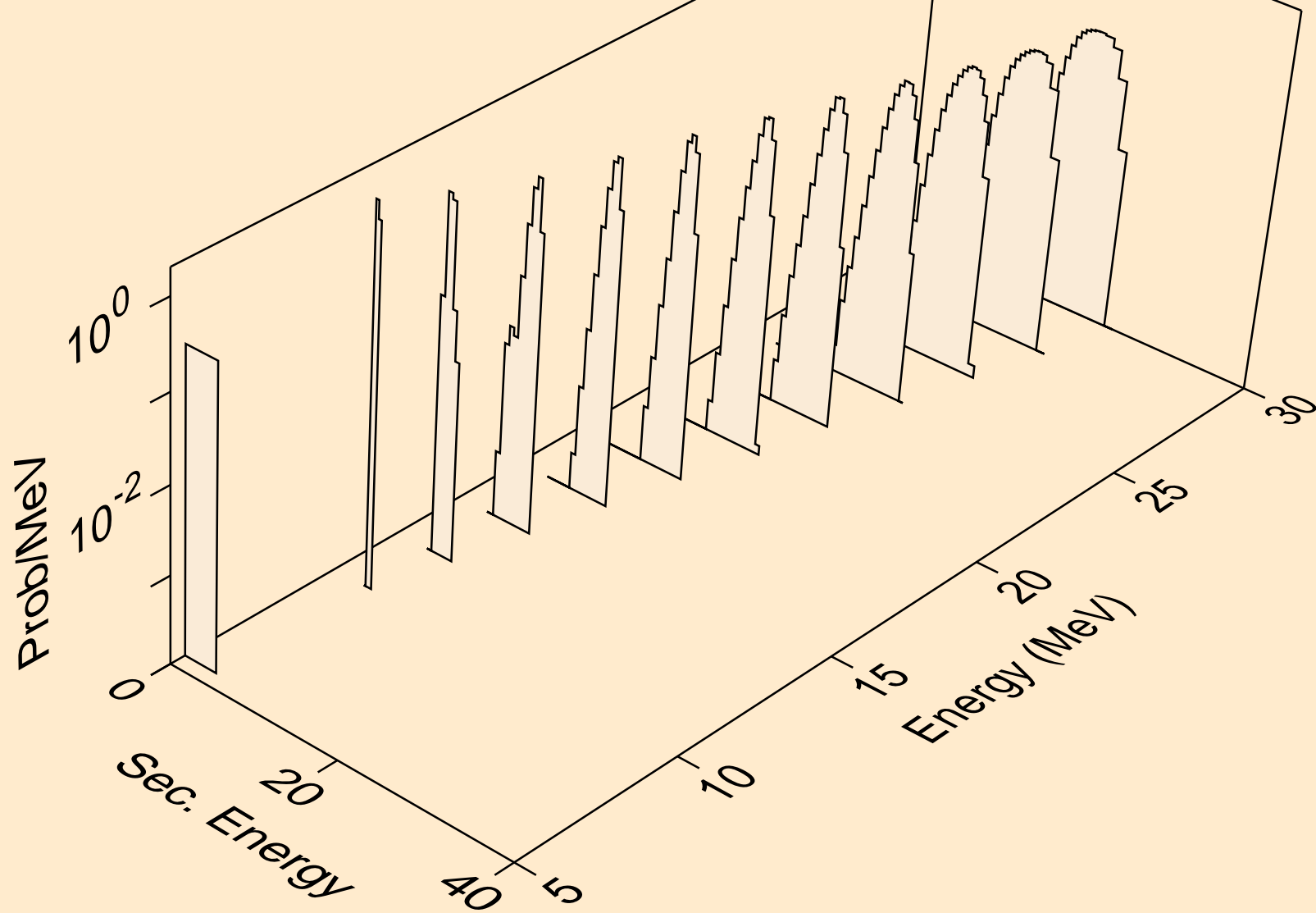
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



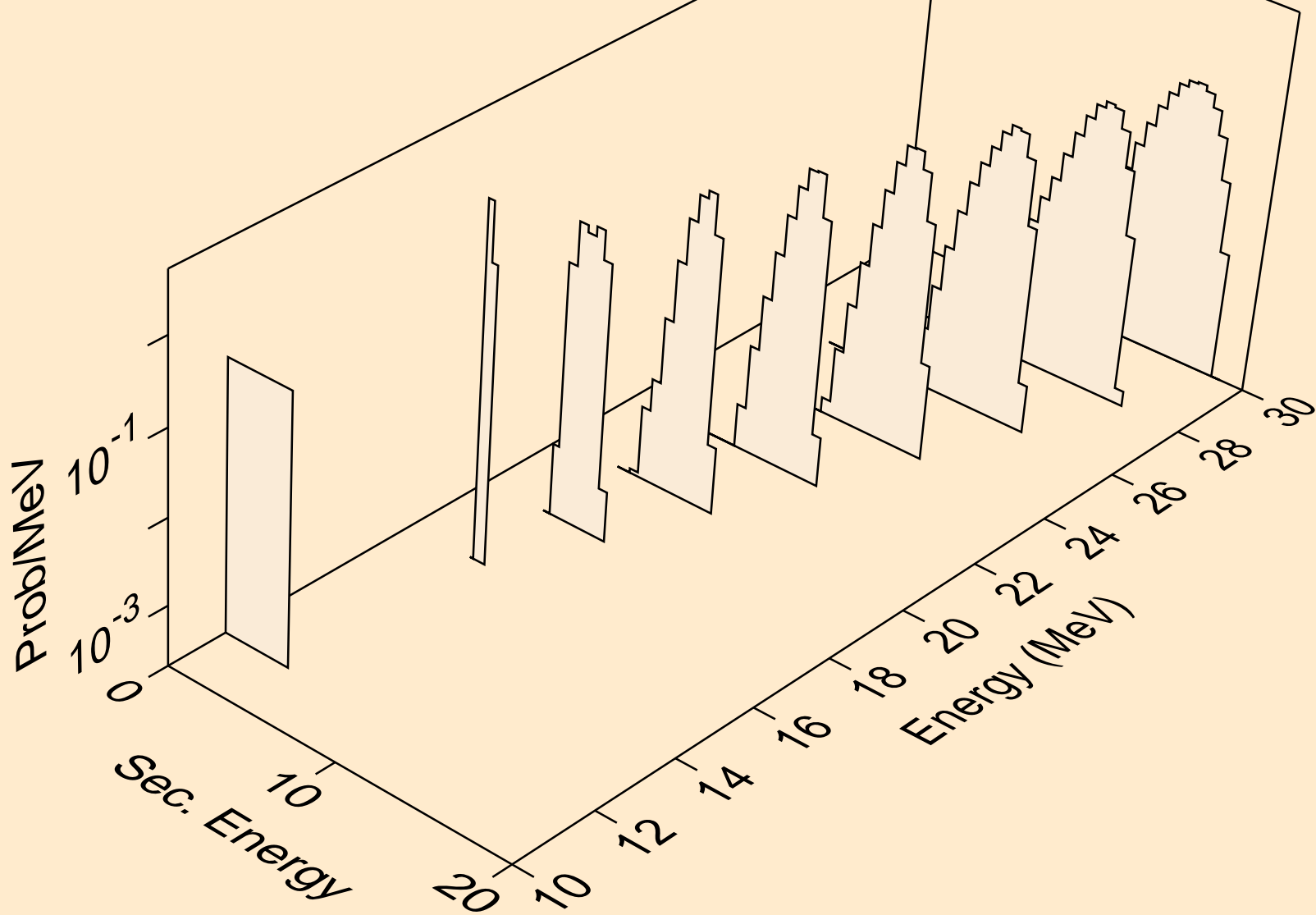
CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



CE149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

