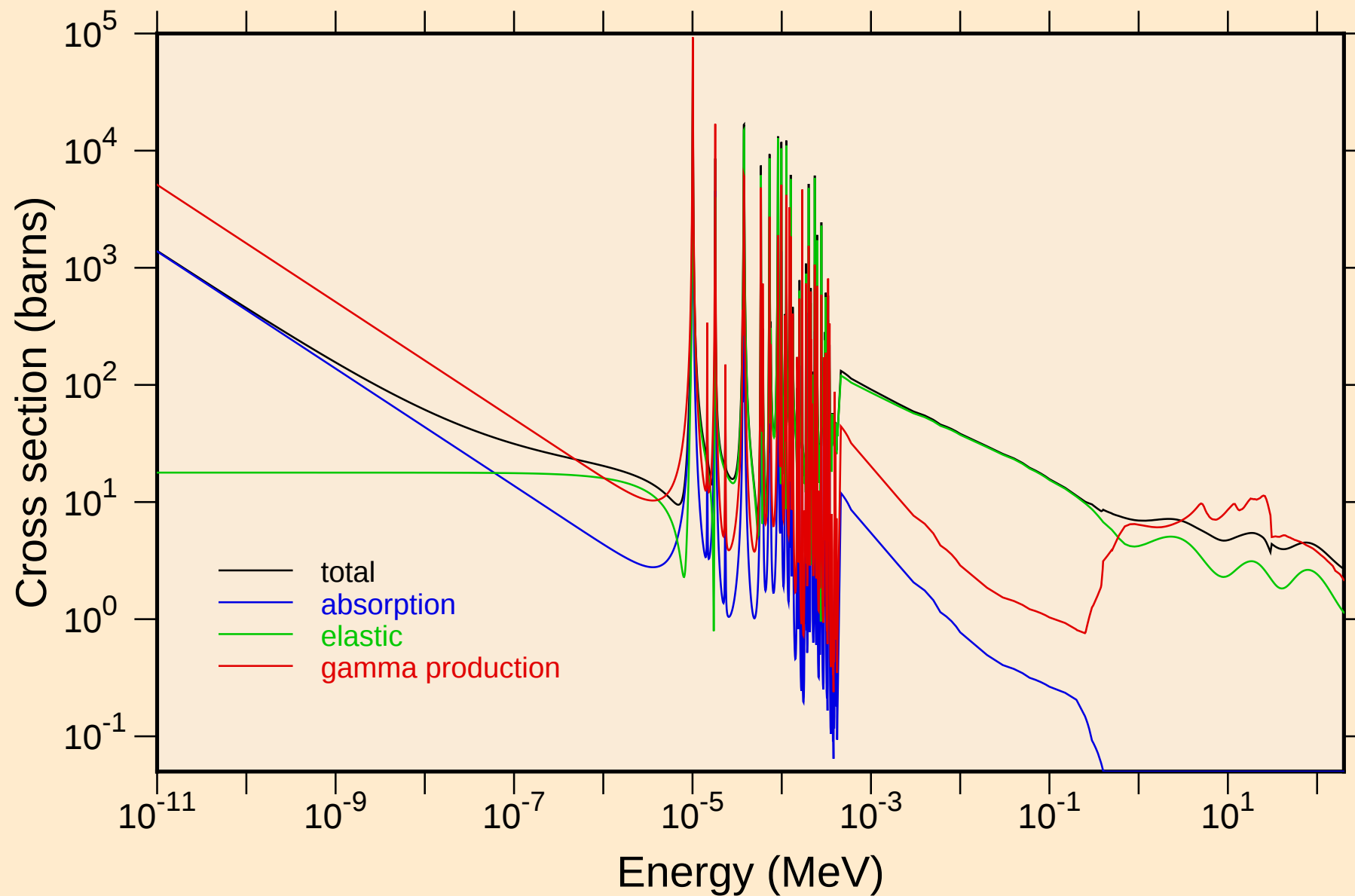
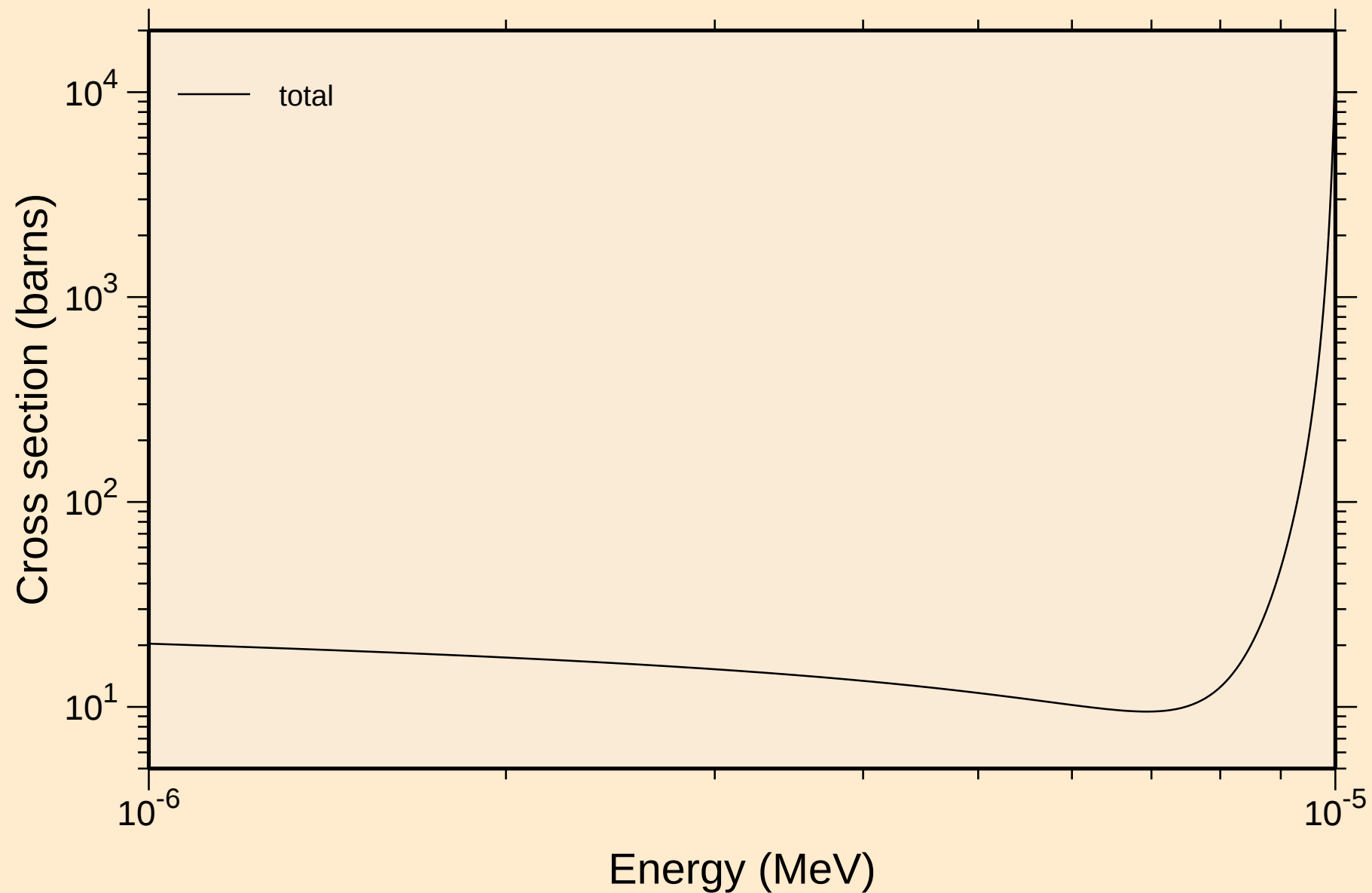


# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

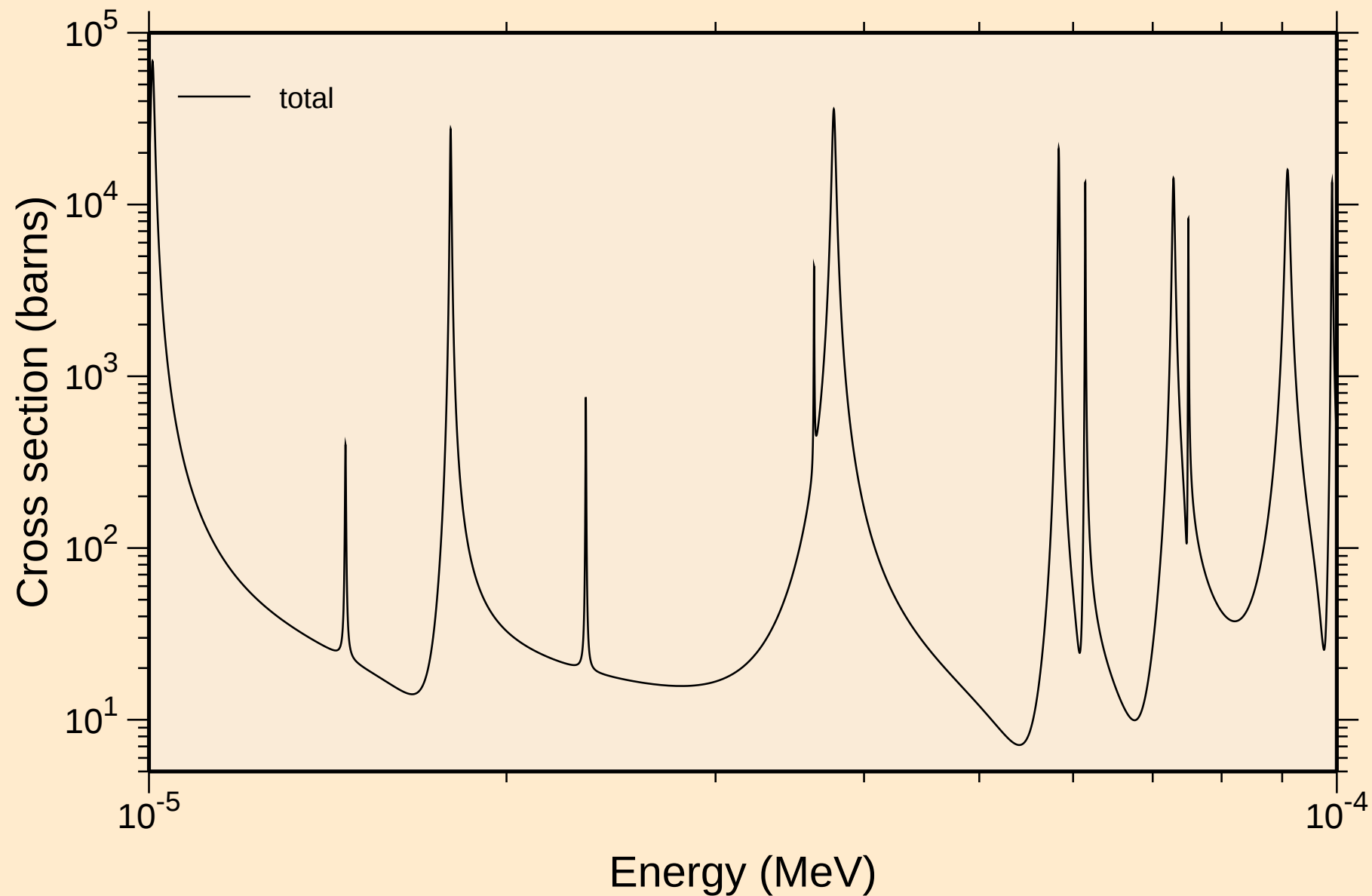
## Principal cross sections



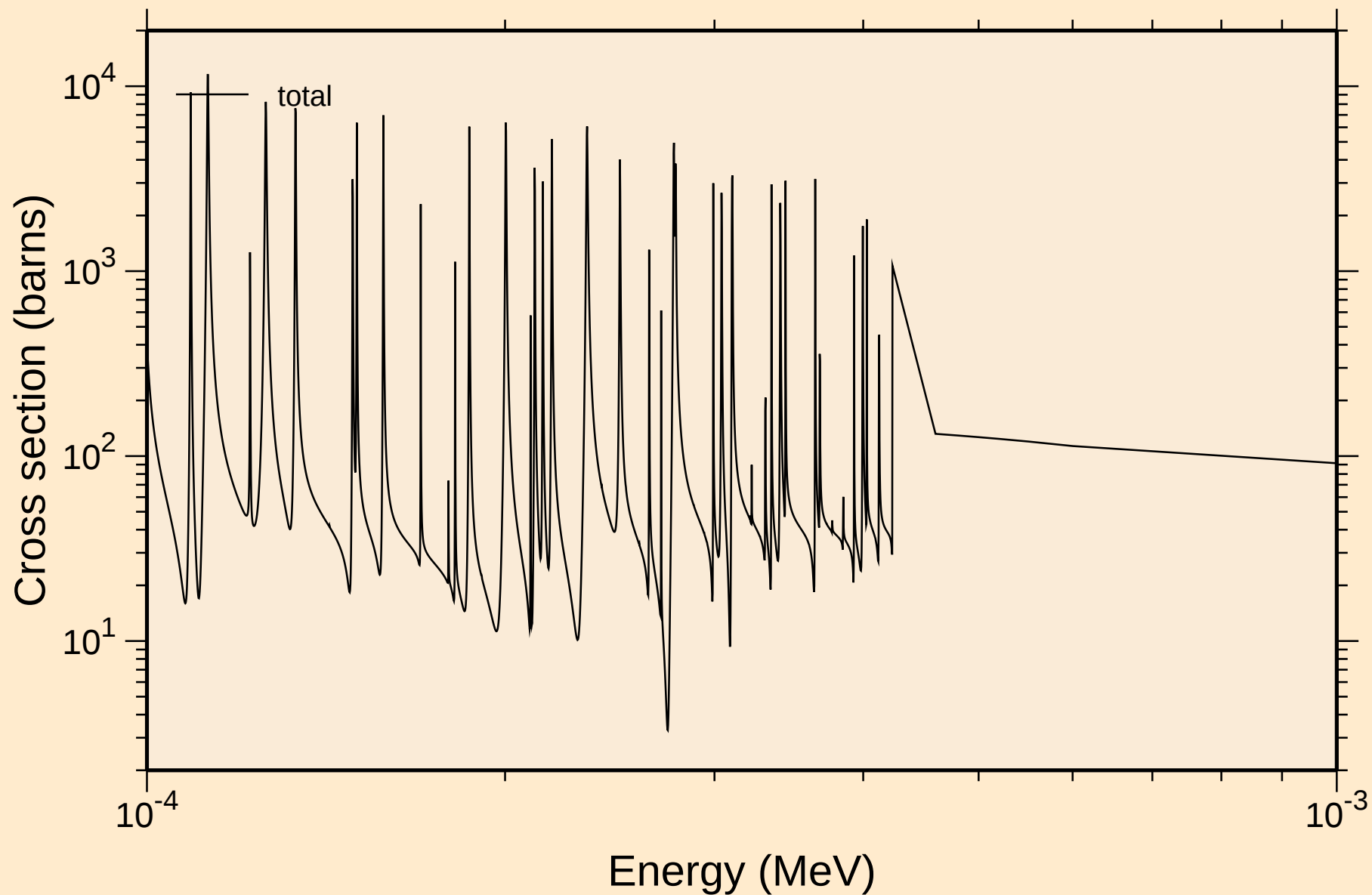
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



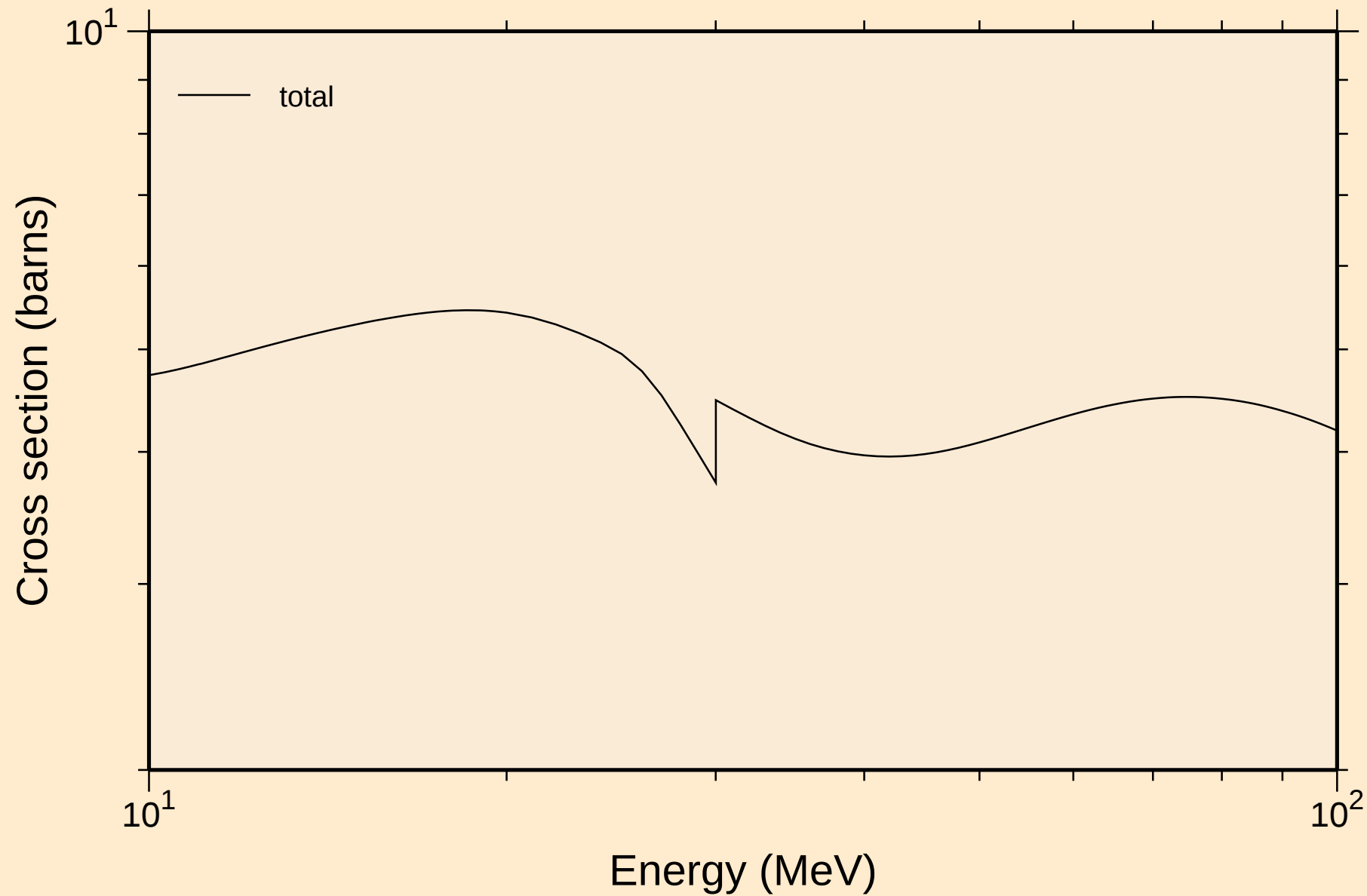
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



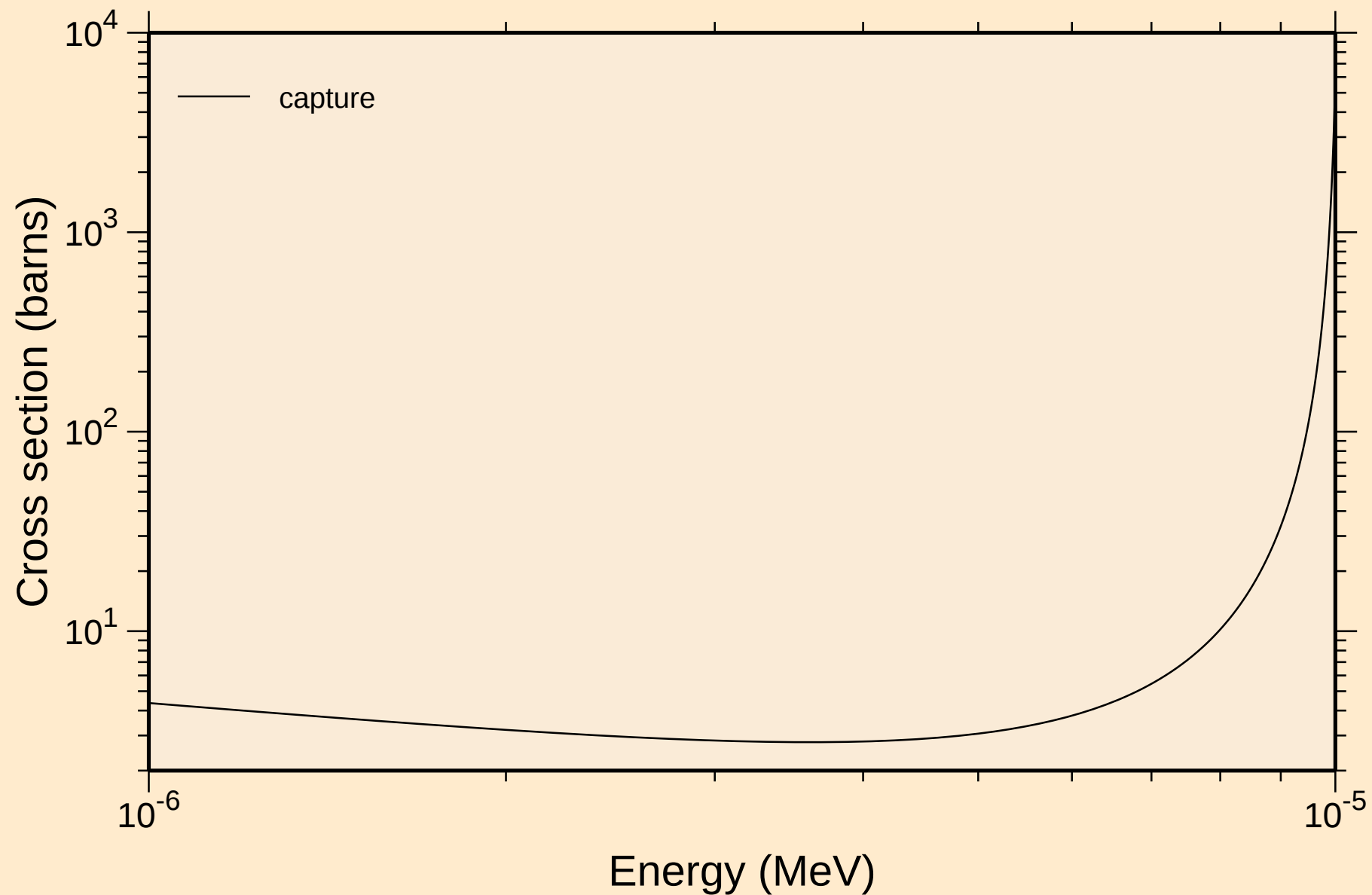
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



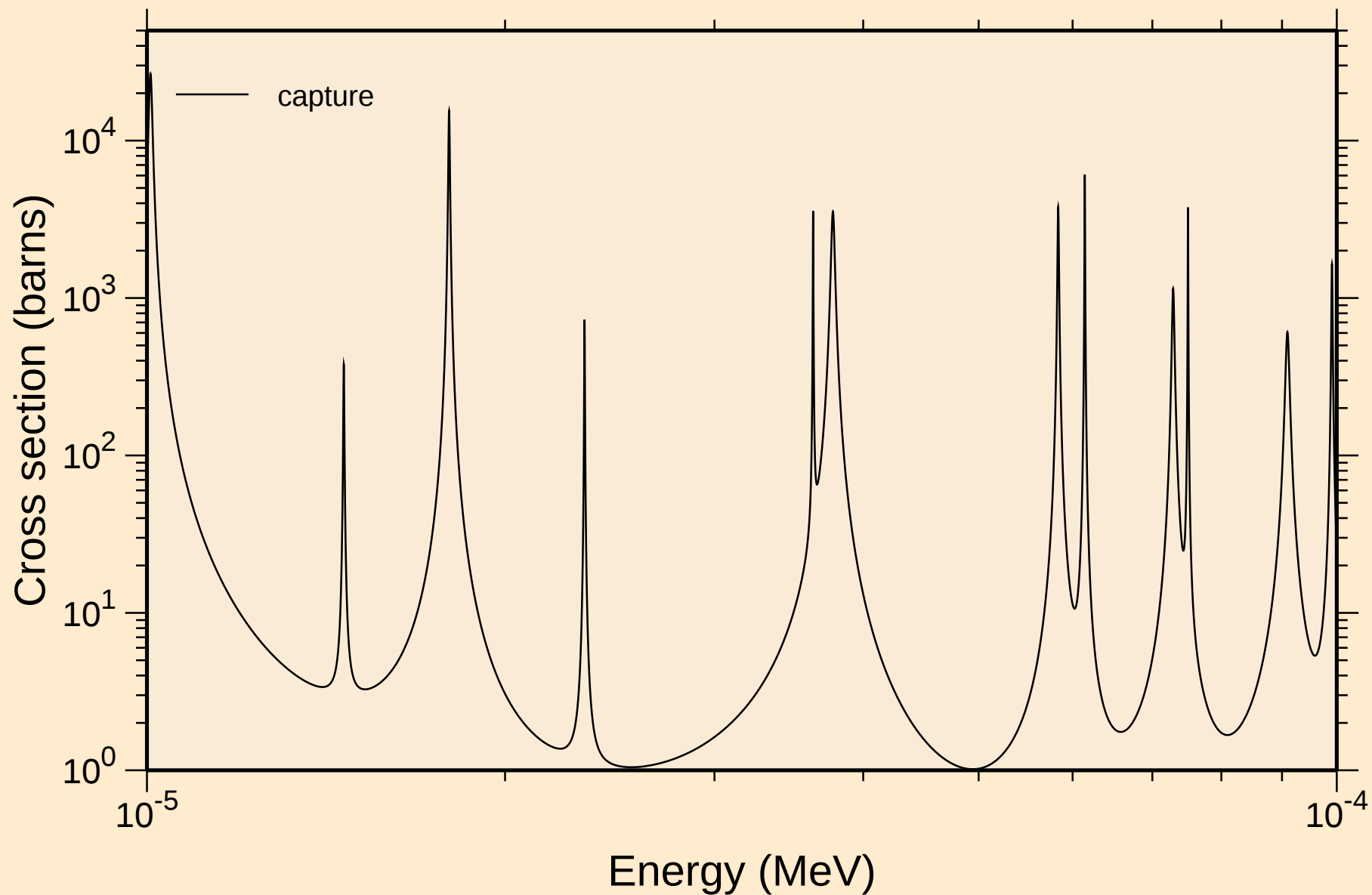
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



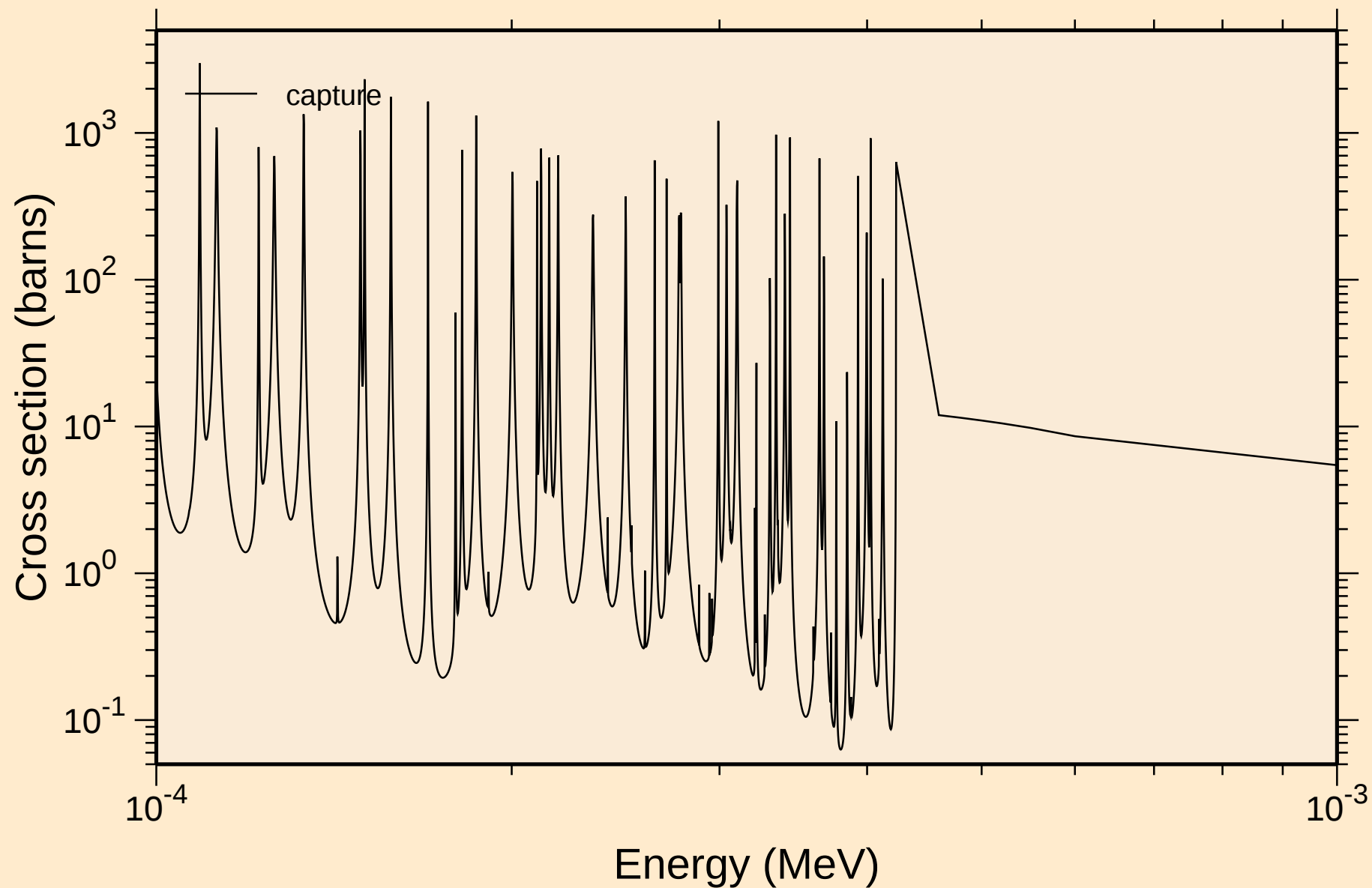
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



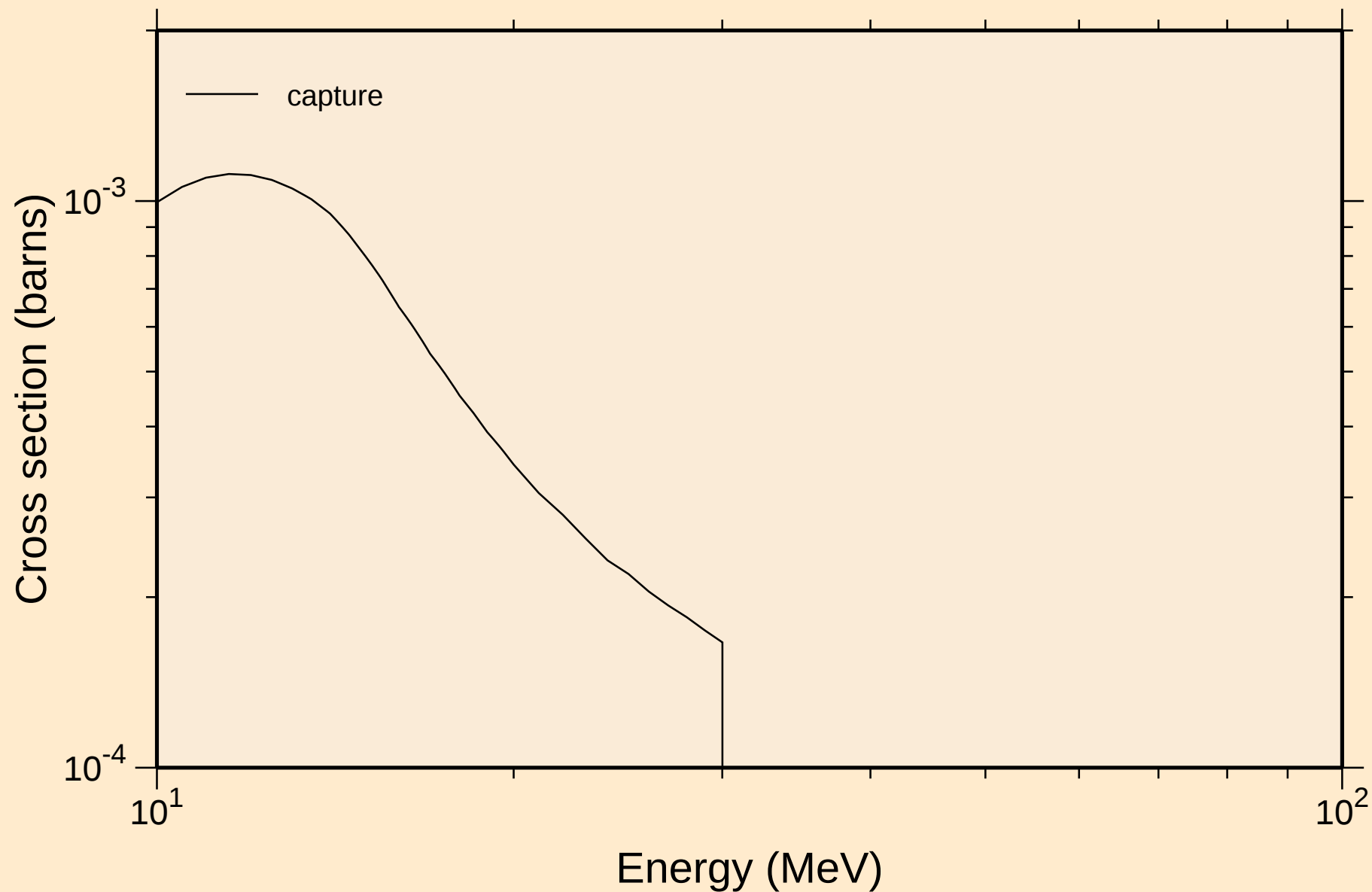
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

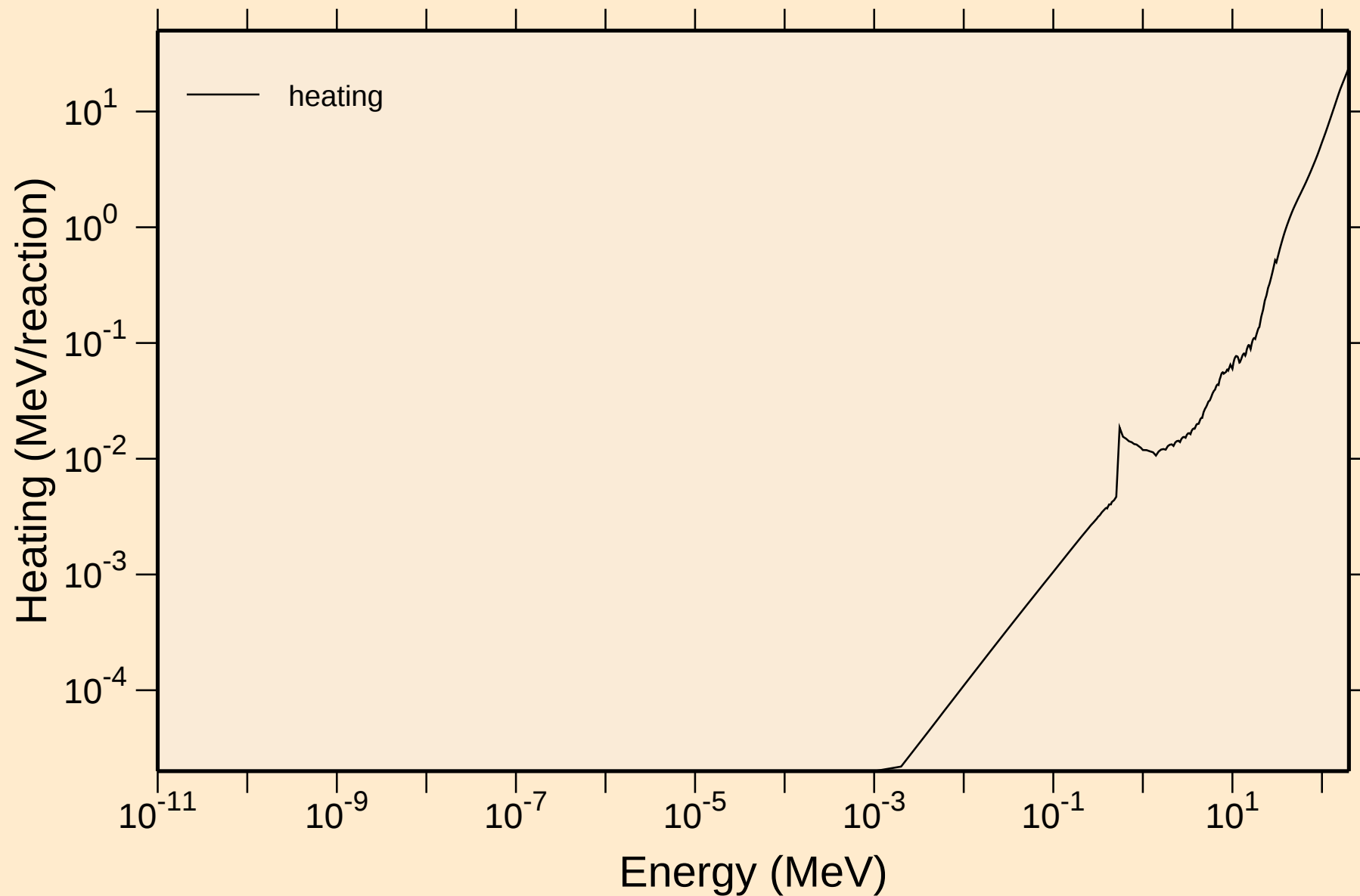


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



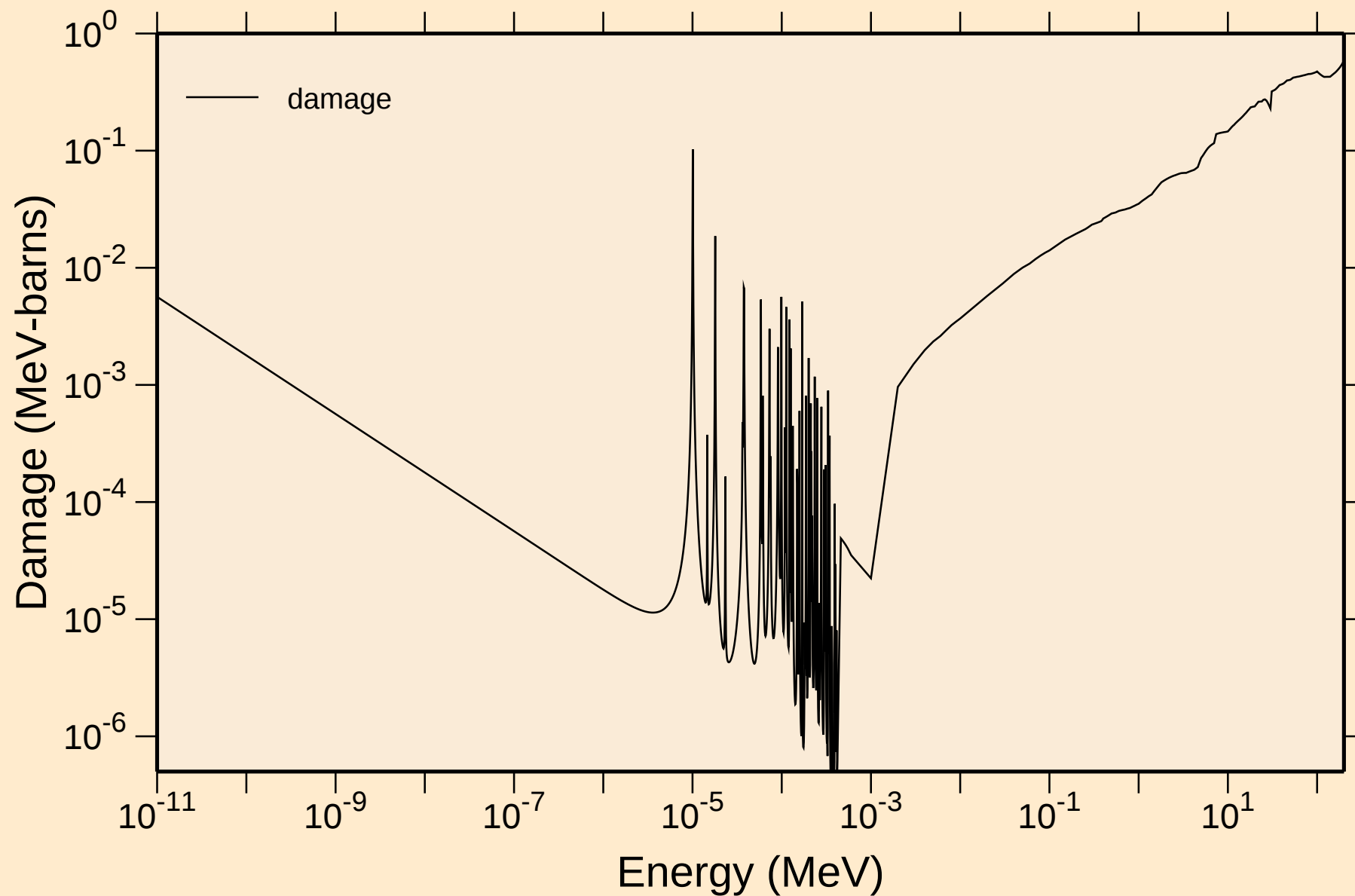
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

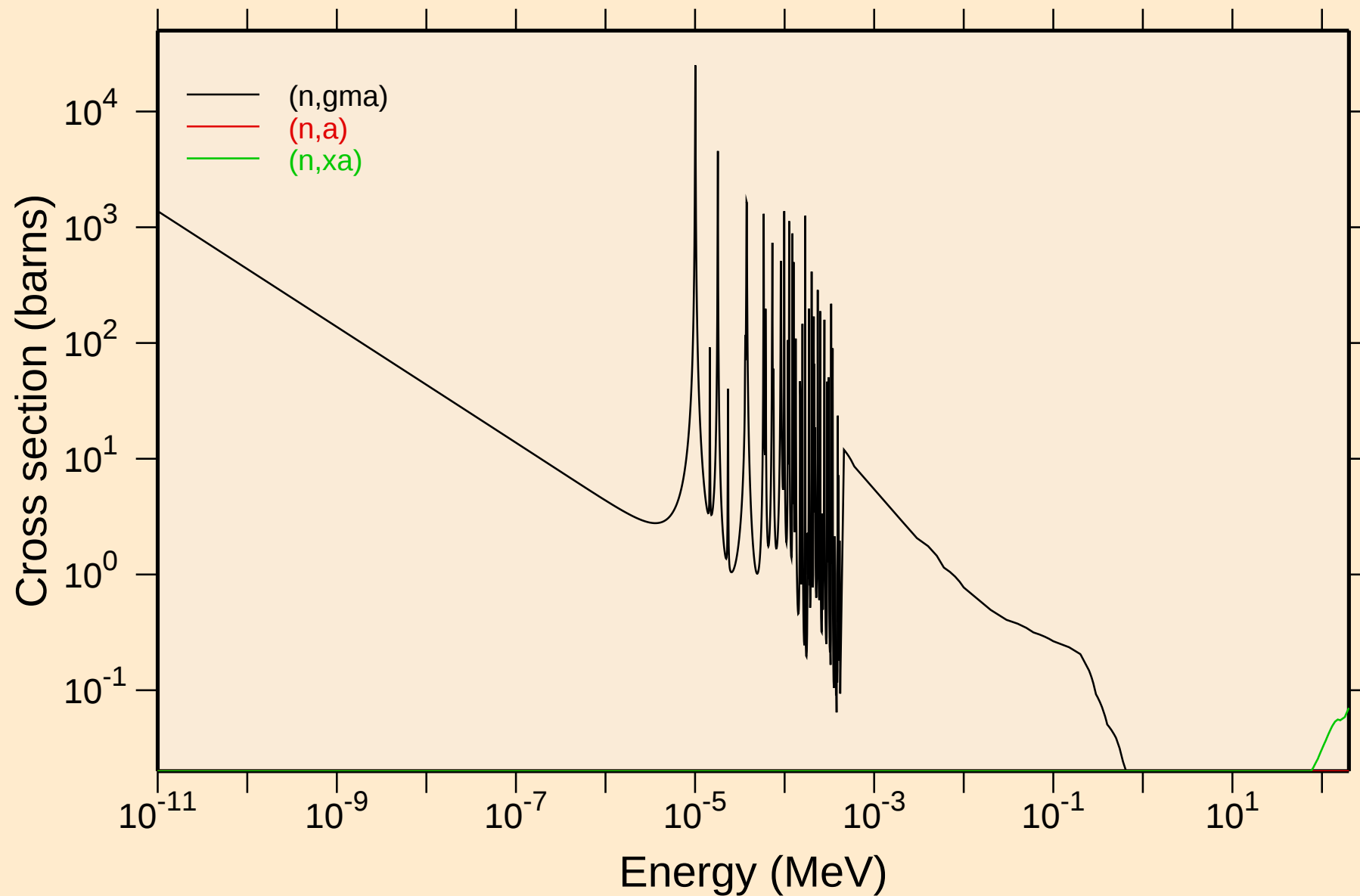


# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

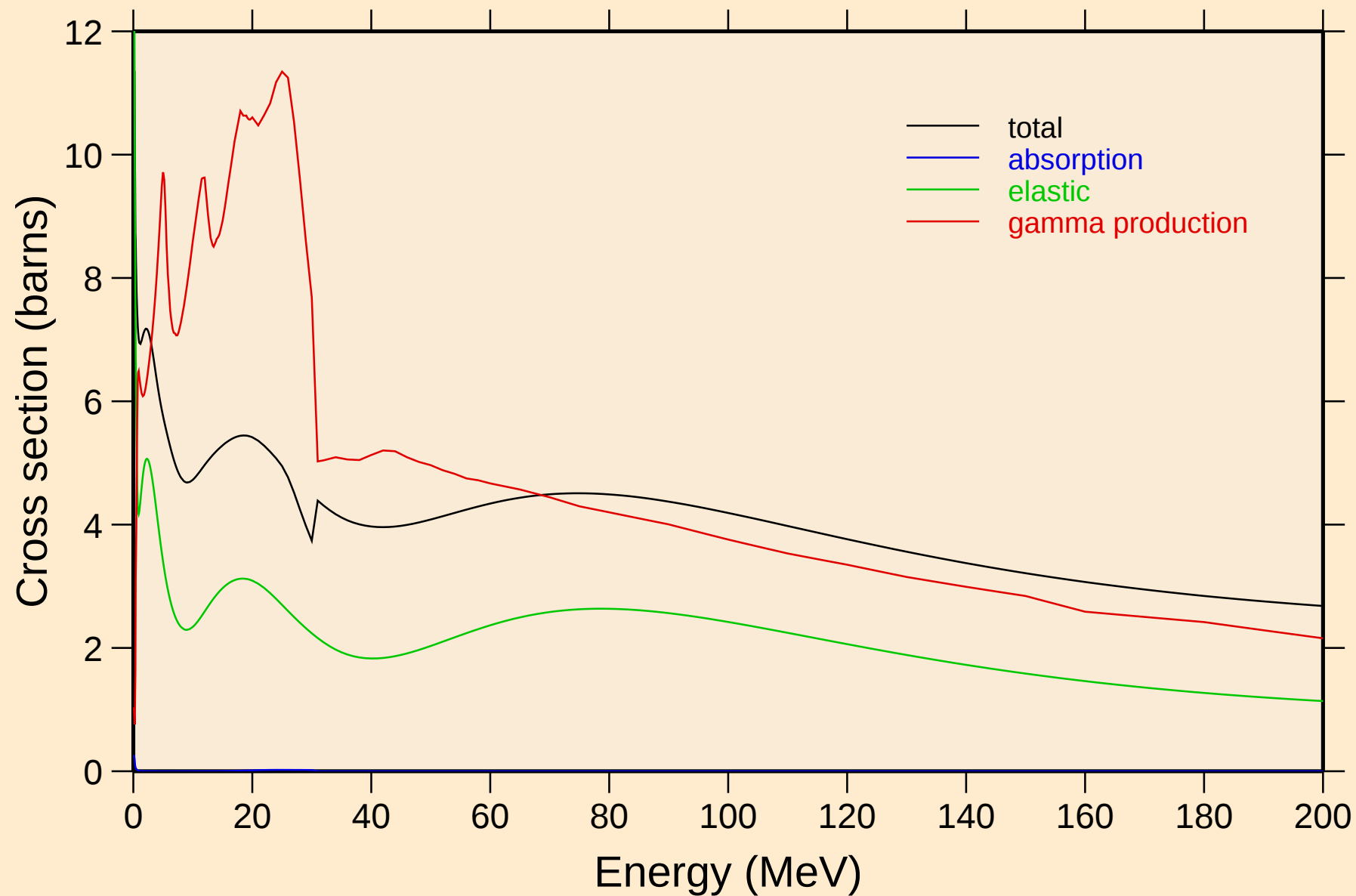


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



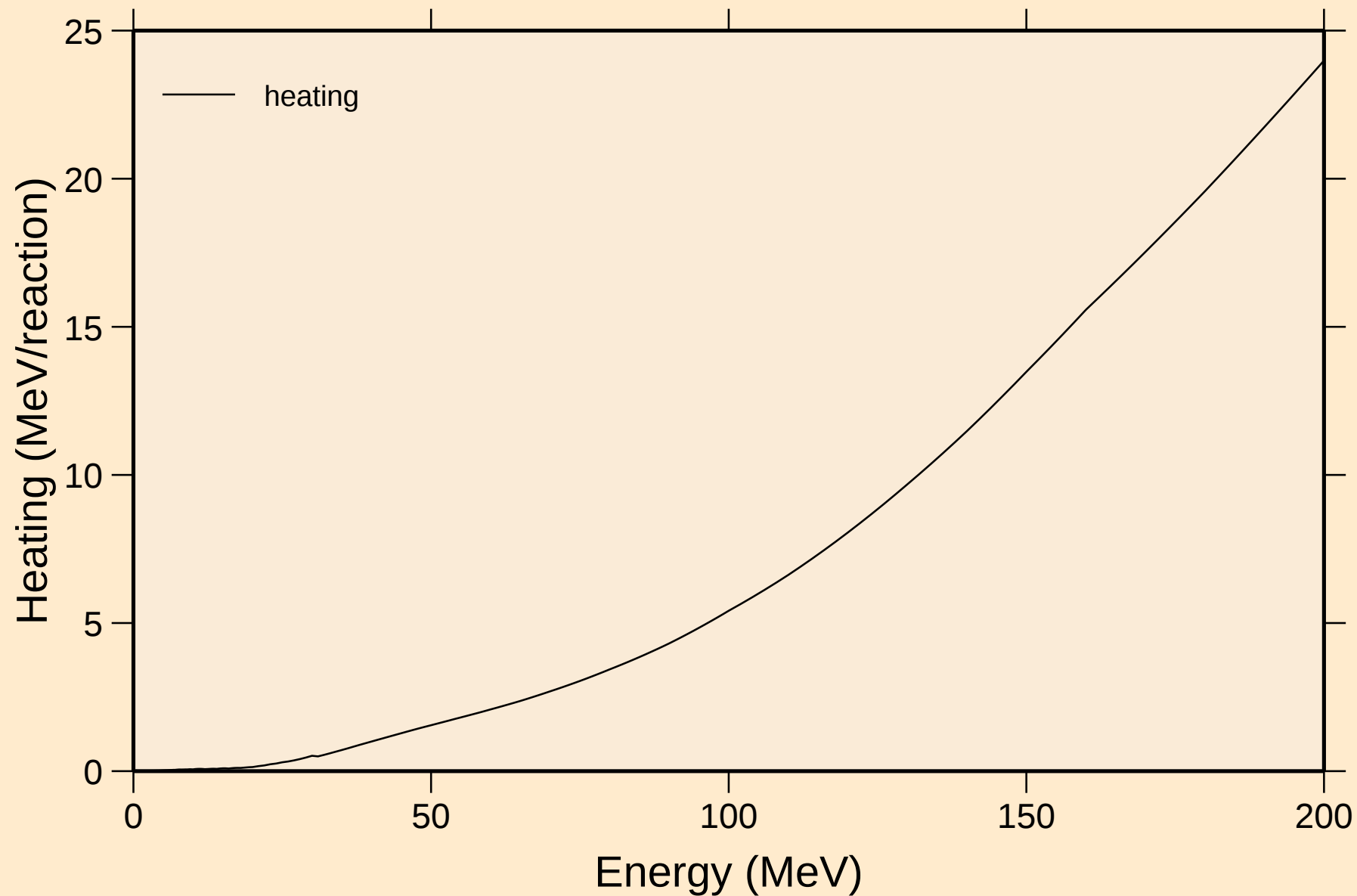
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



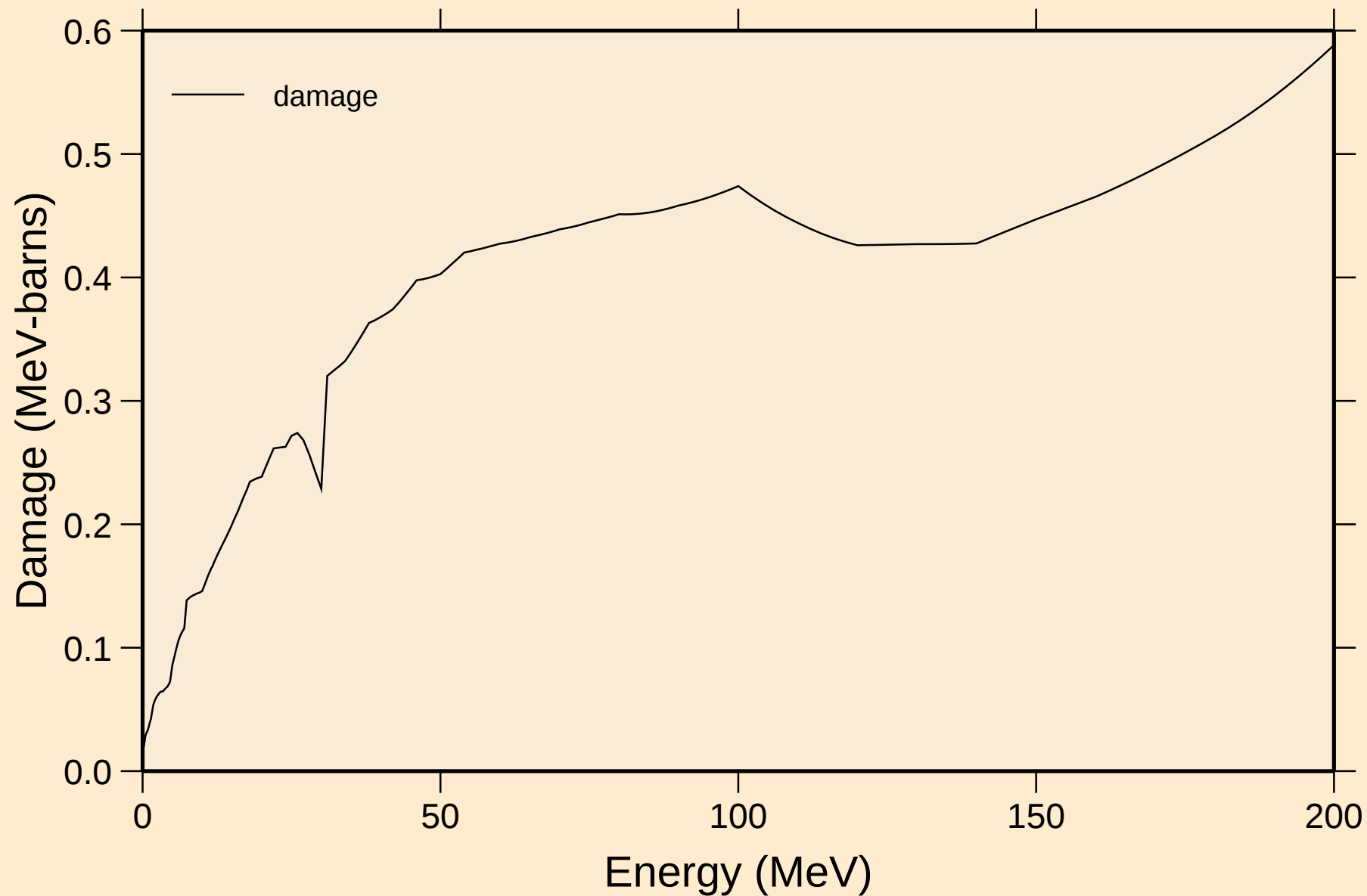
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

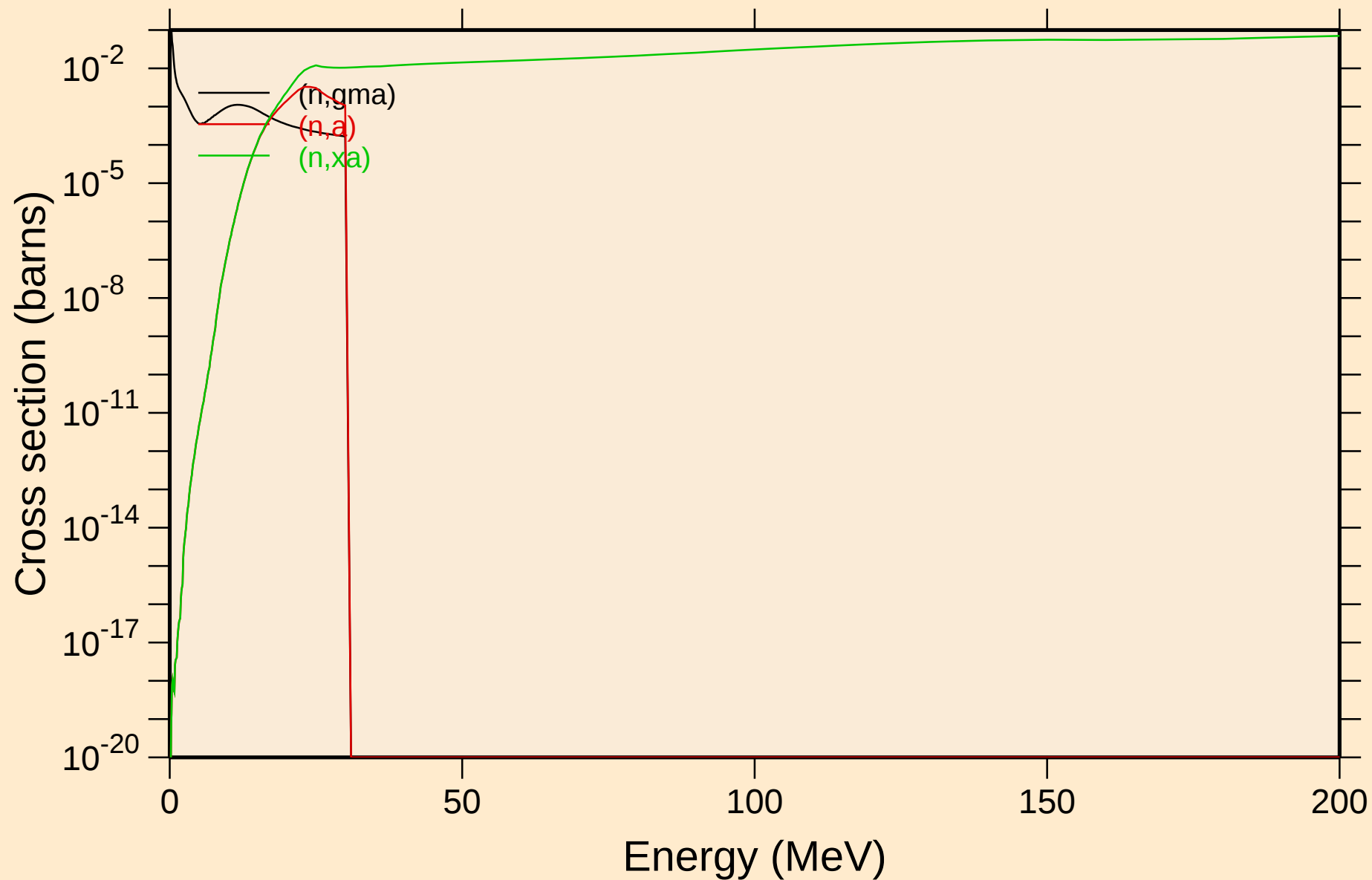


# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

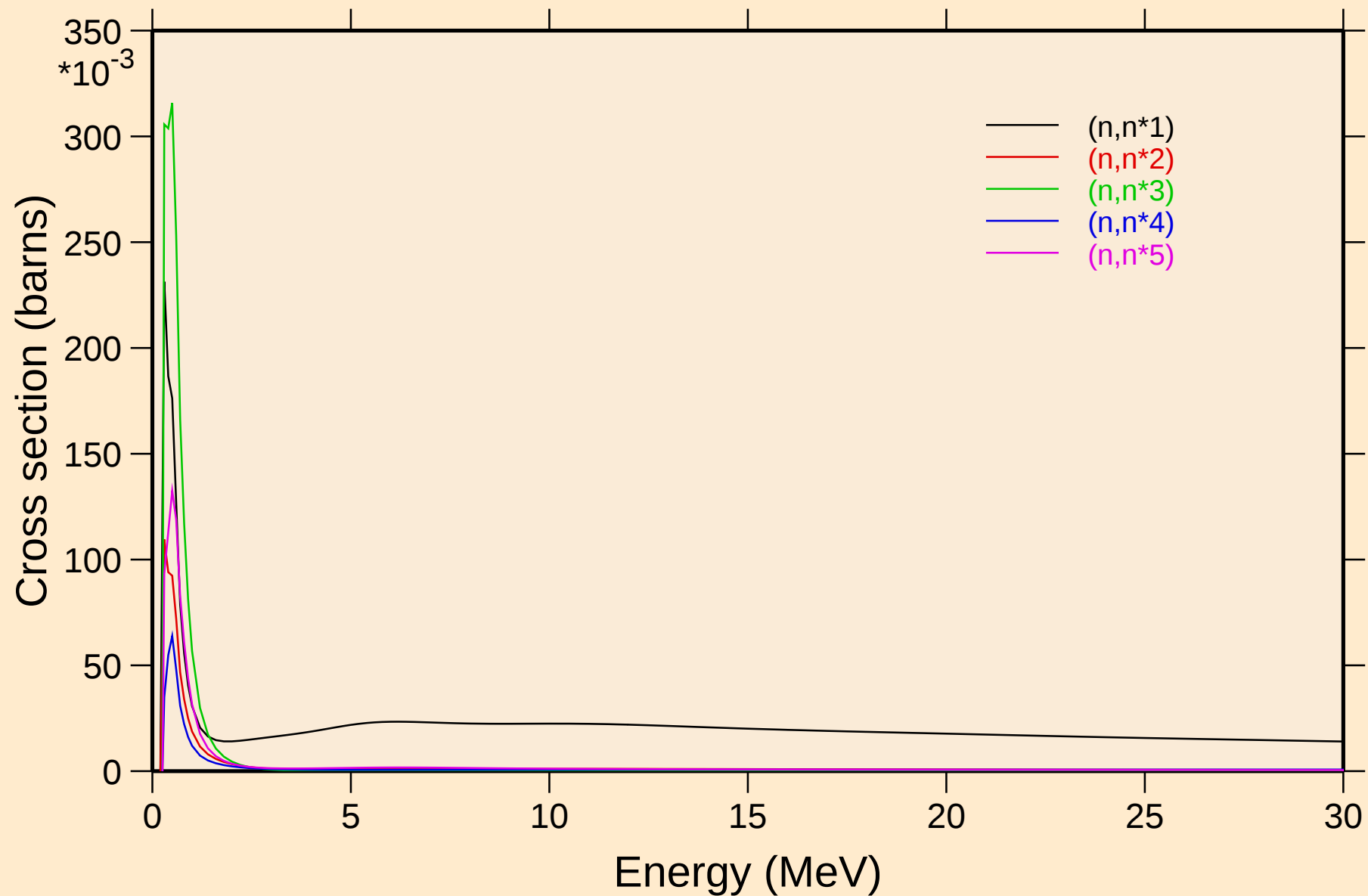


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



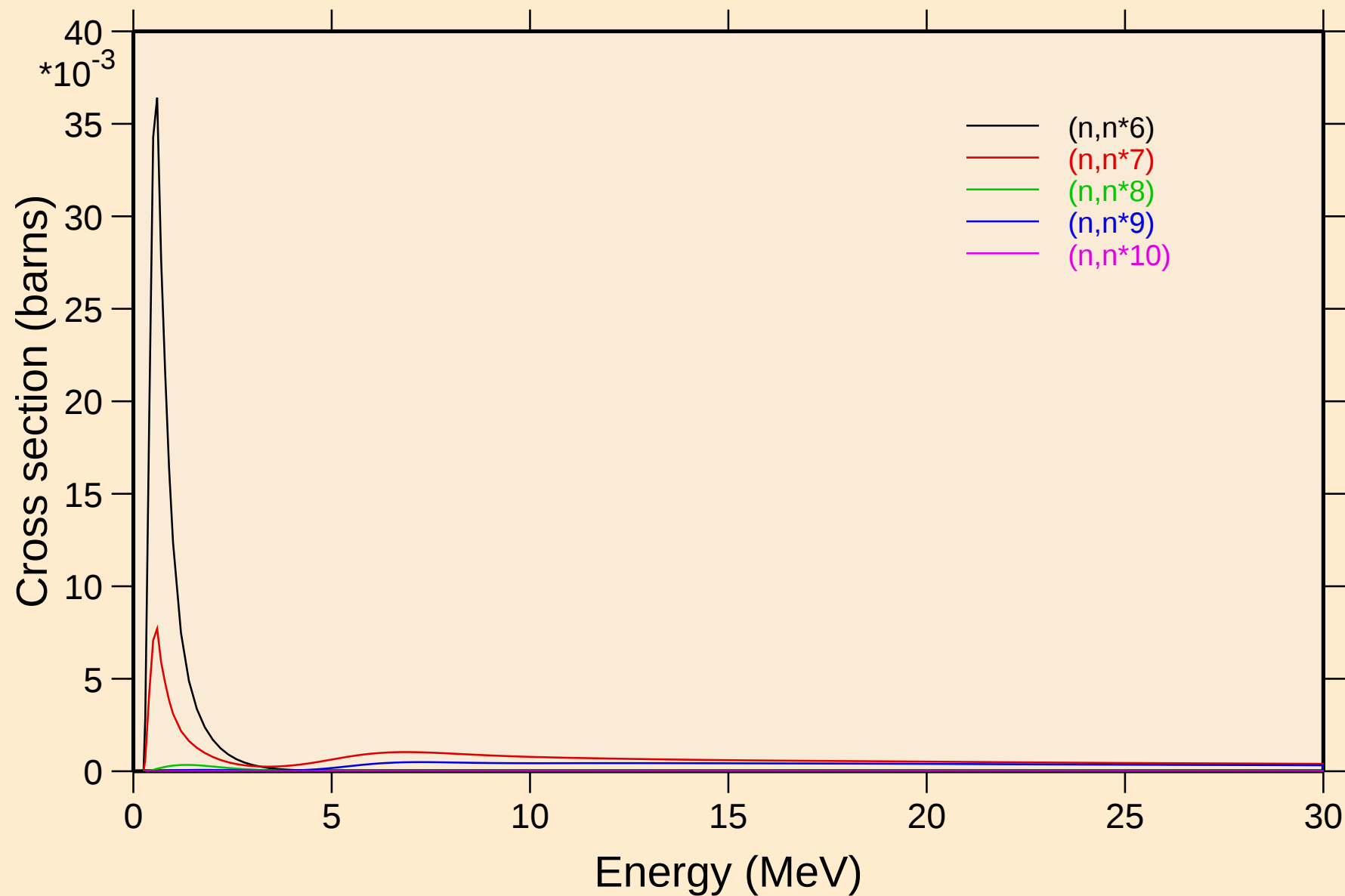
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



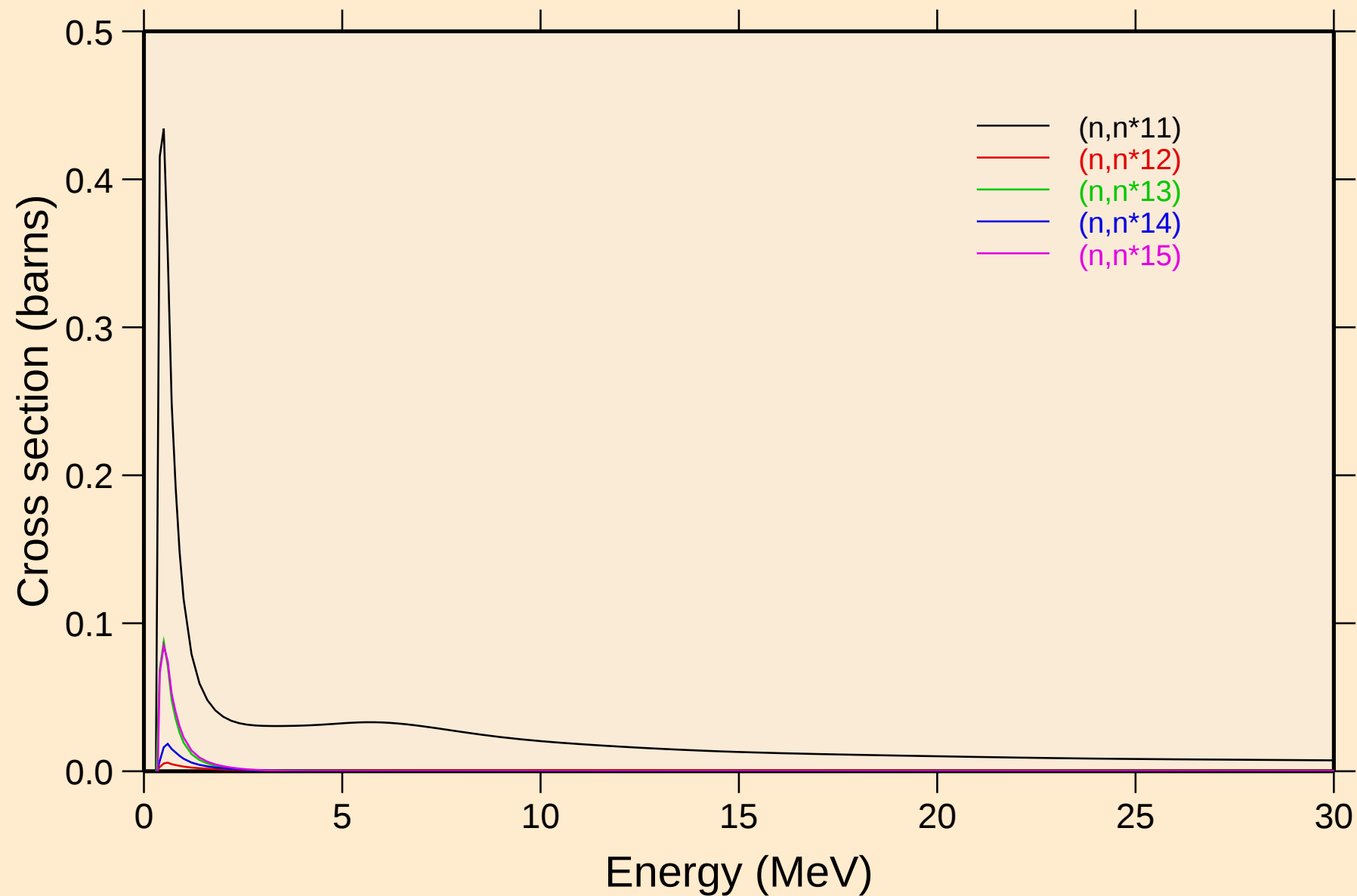
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



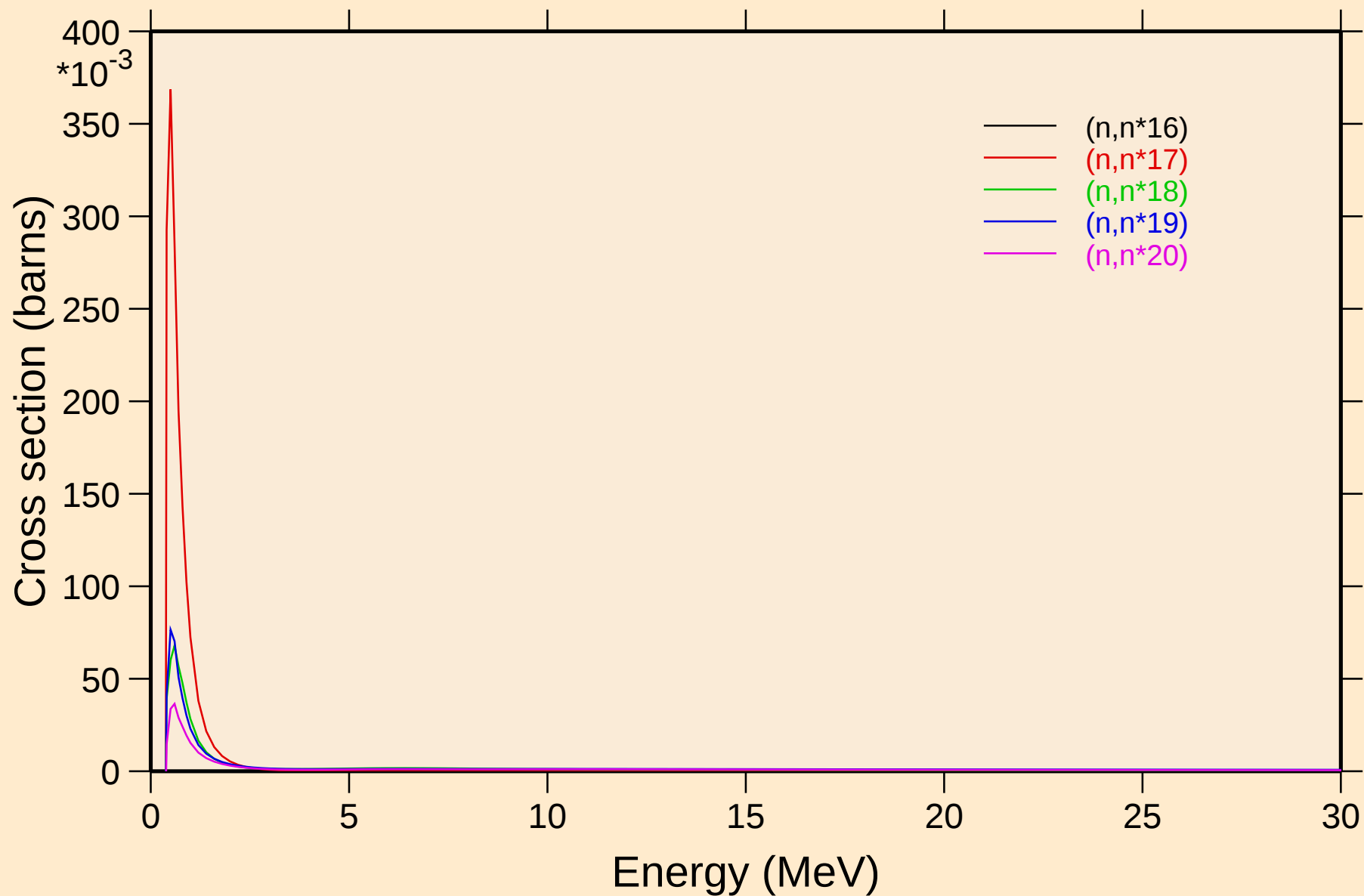
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



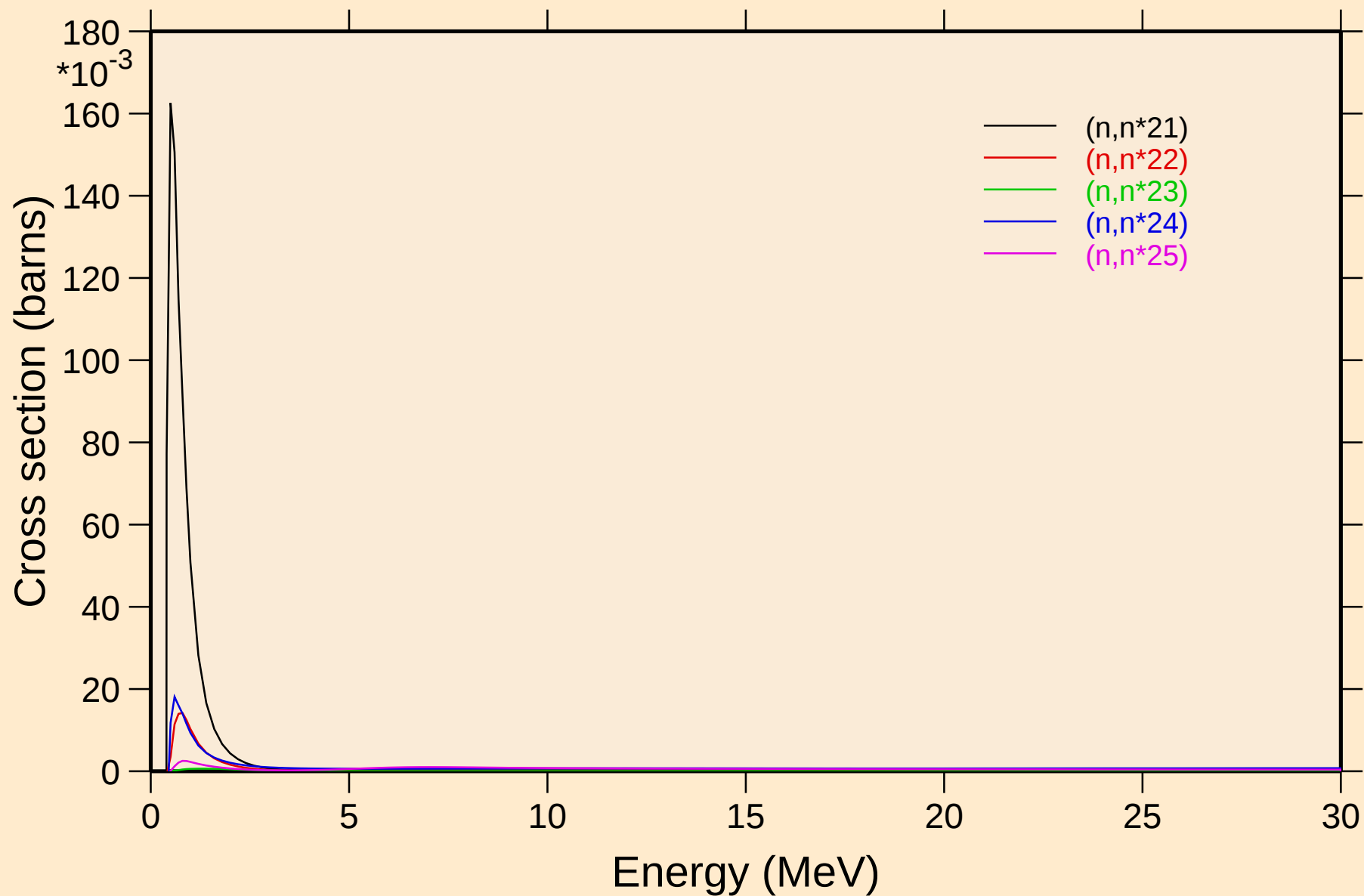
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels



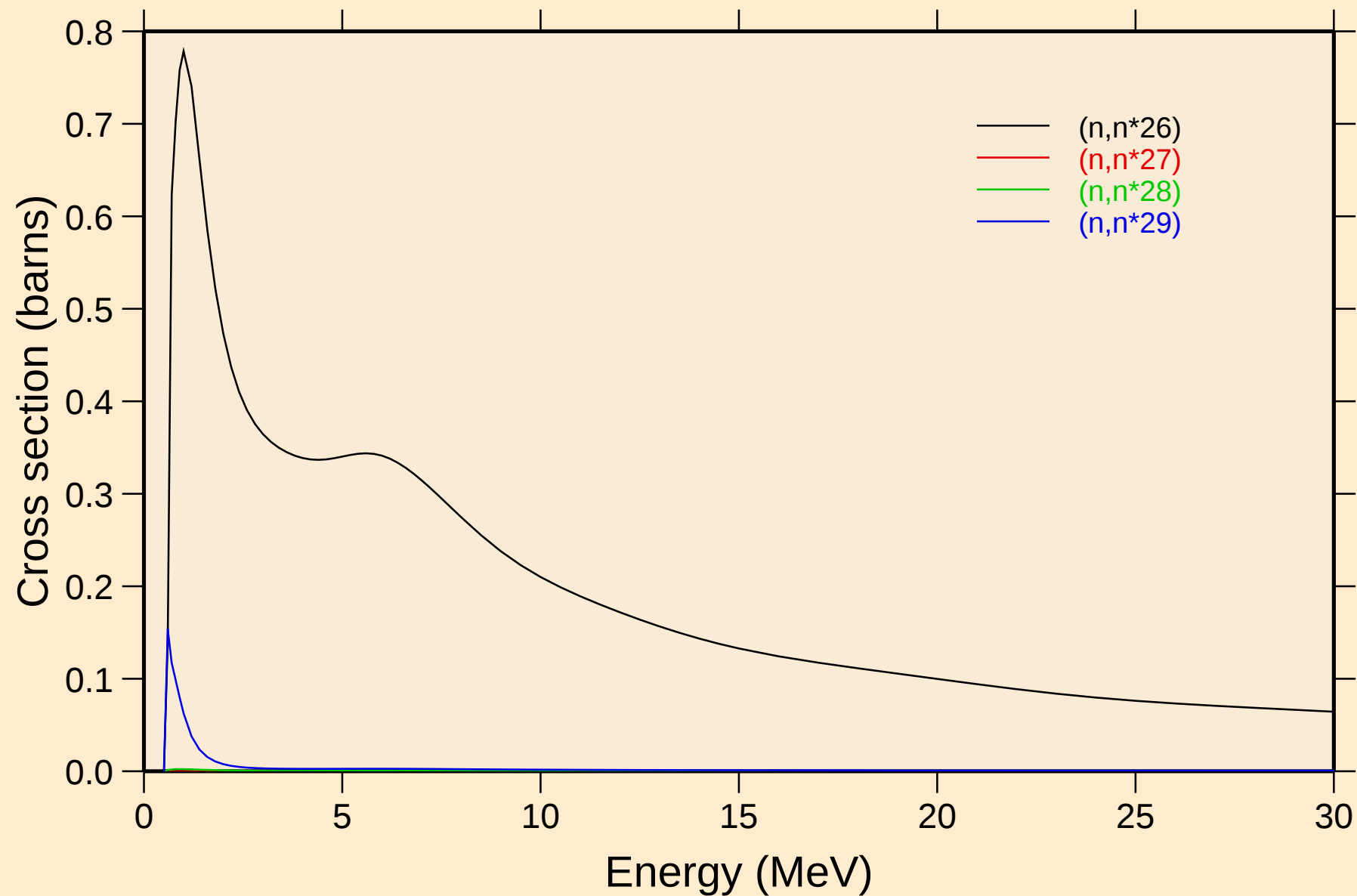
# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

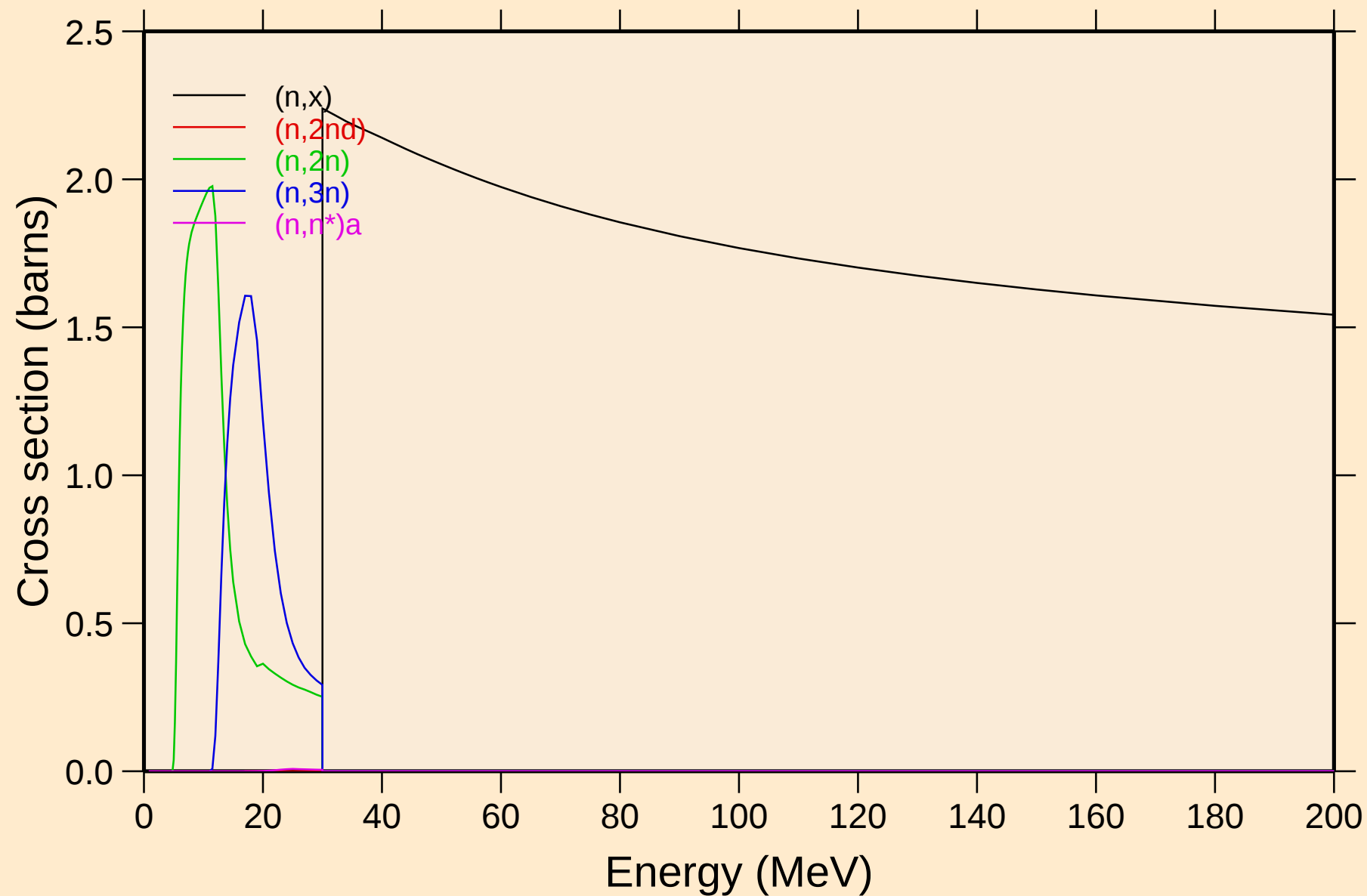


# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

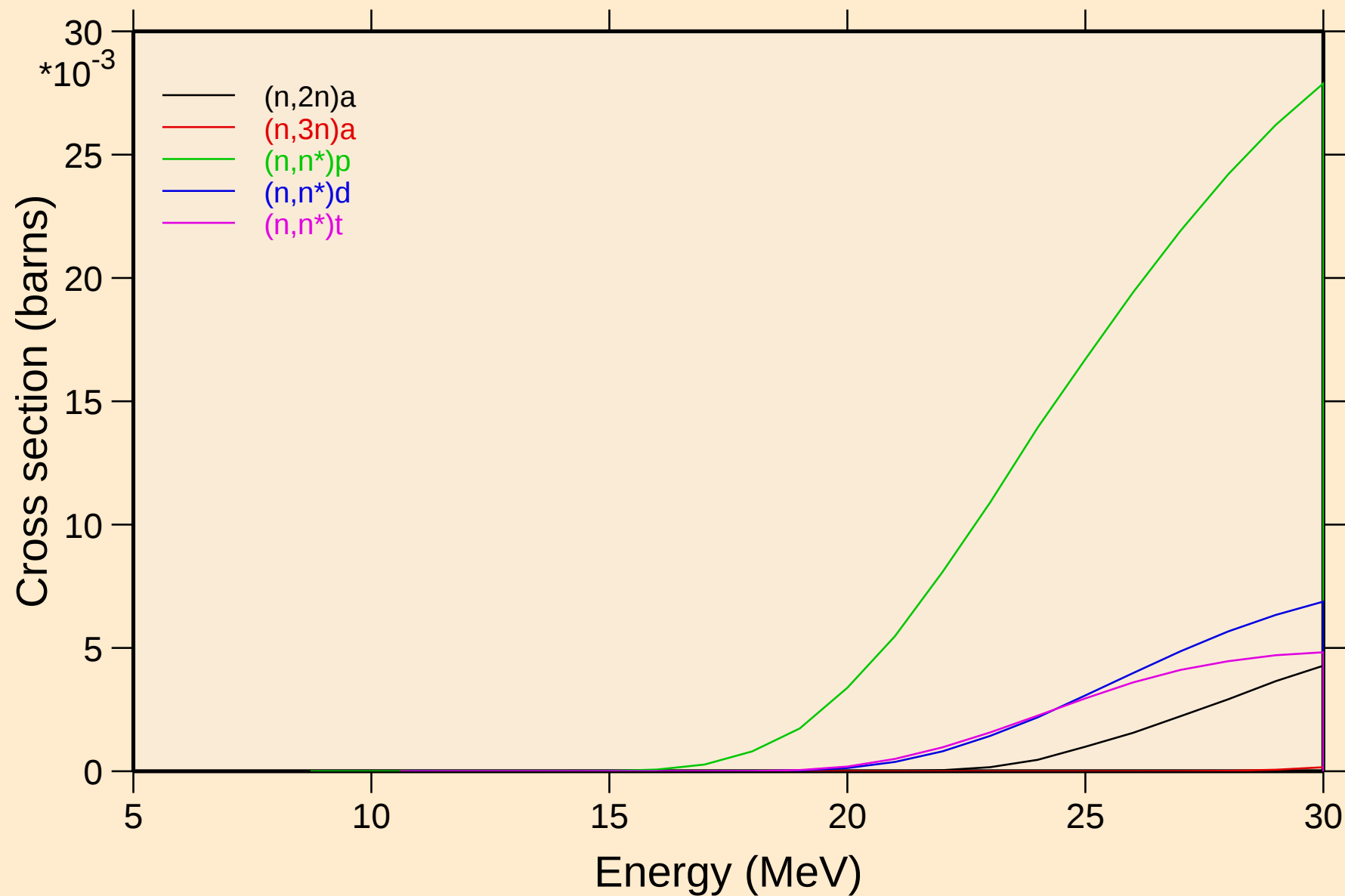
Inelastic levels



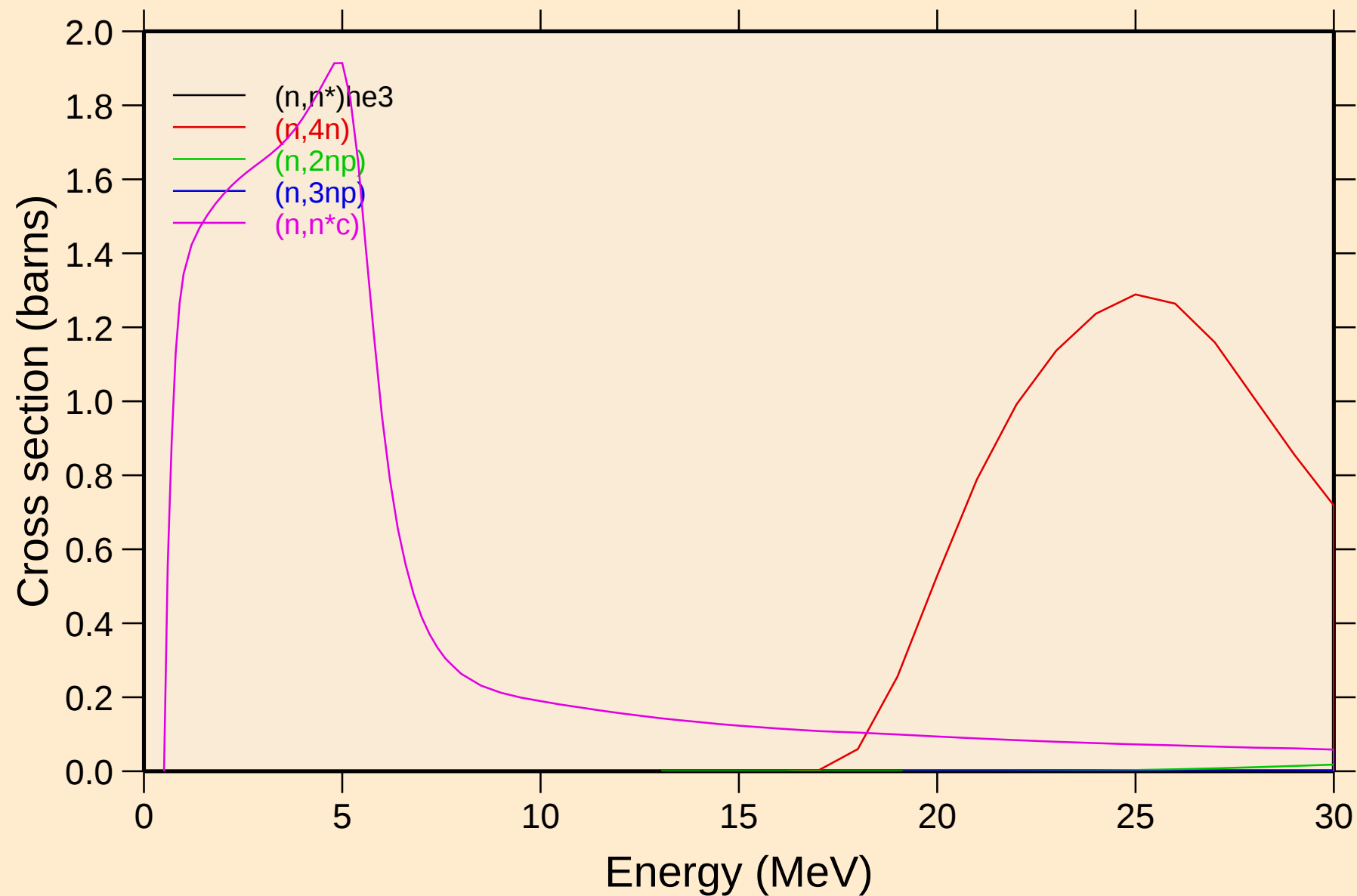
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



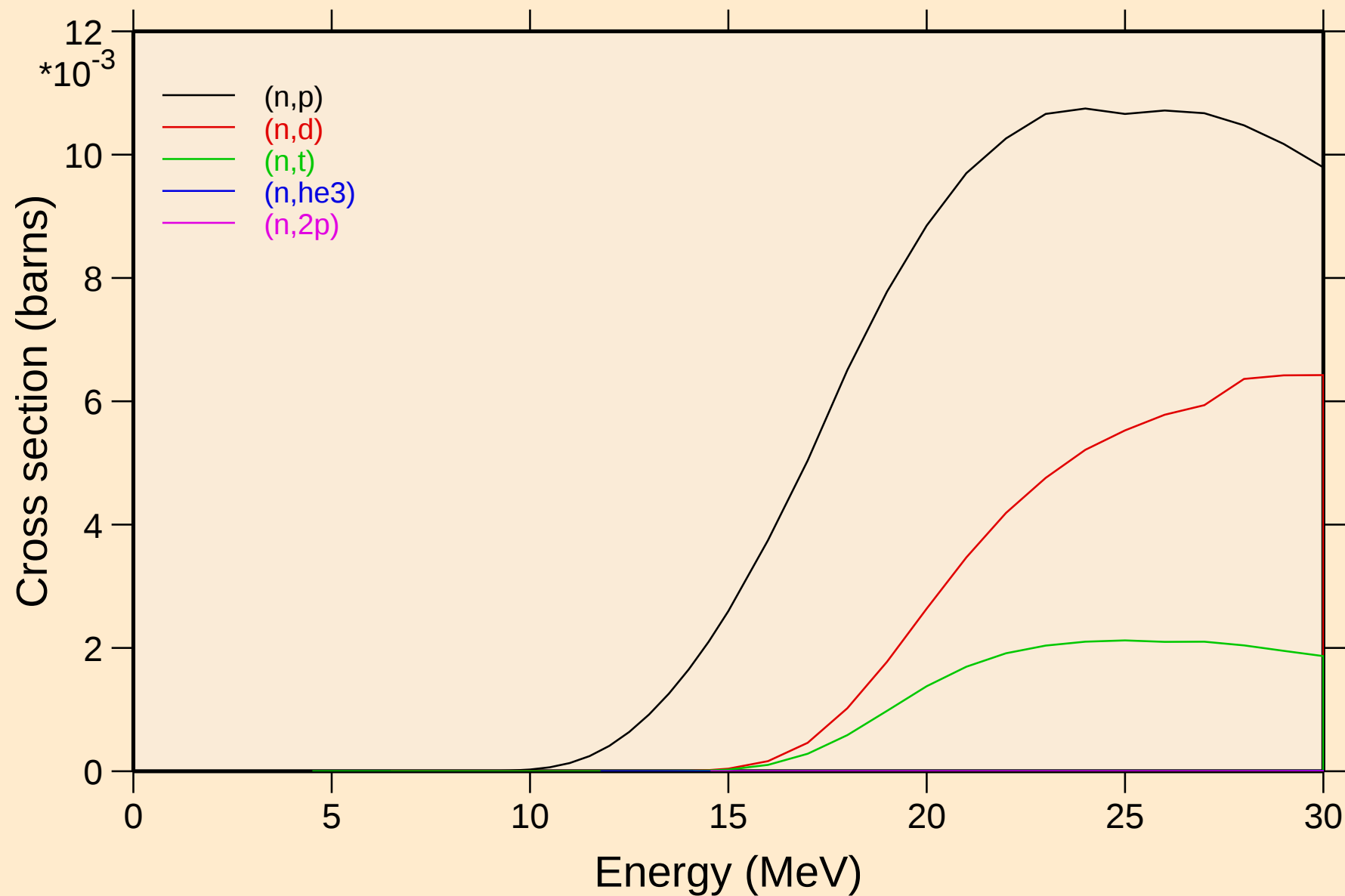
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



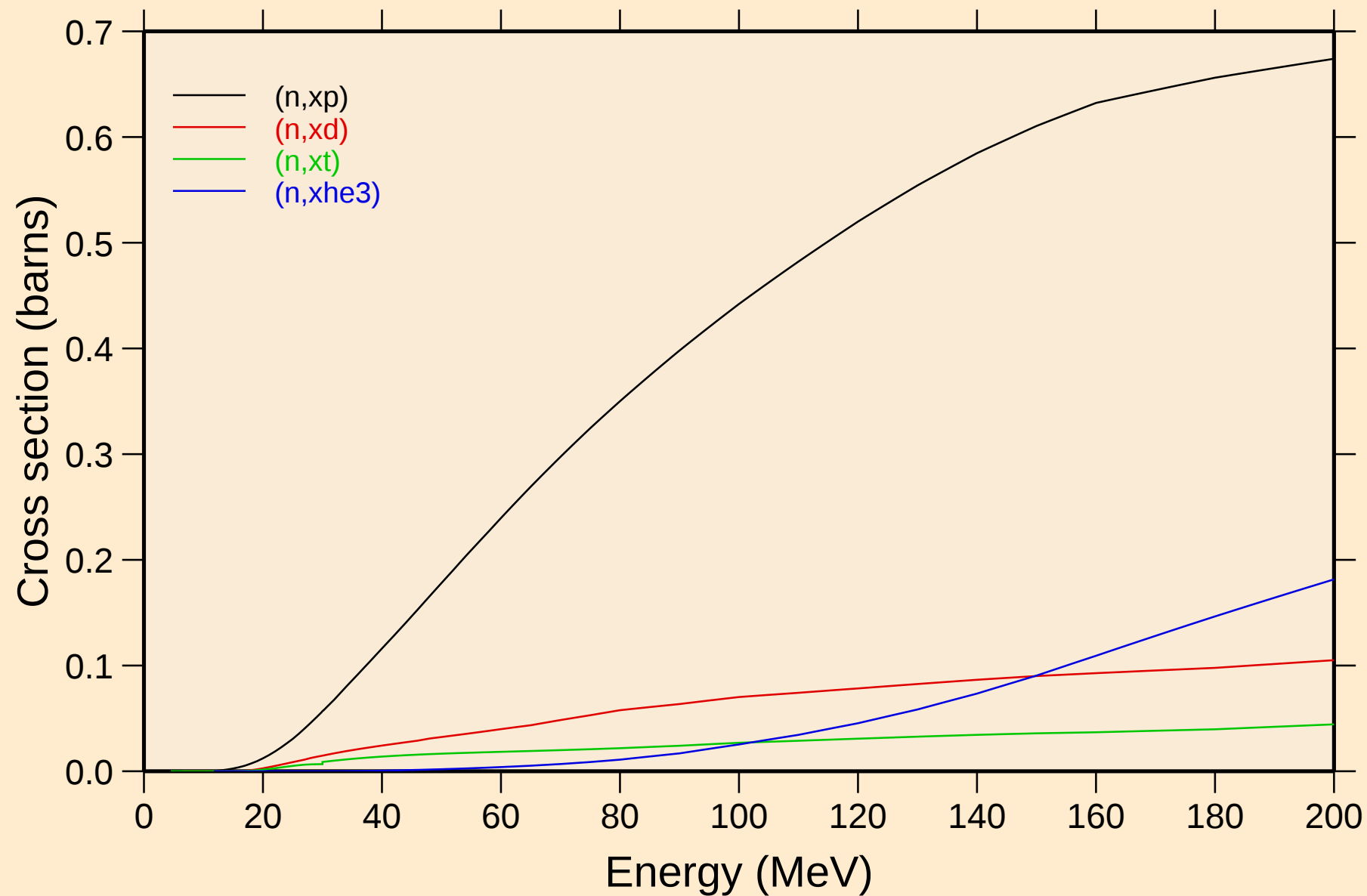
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



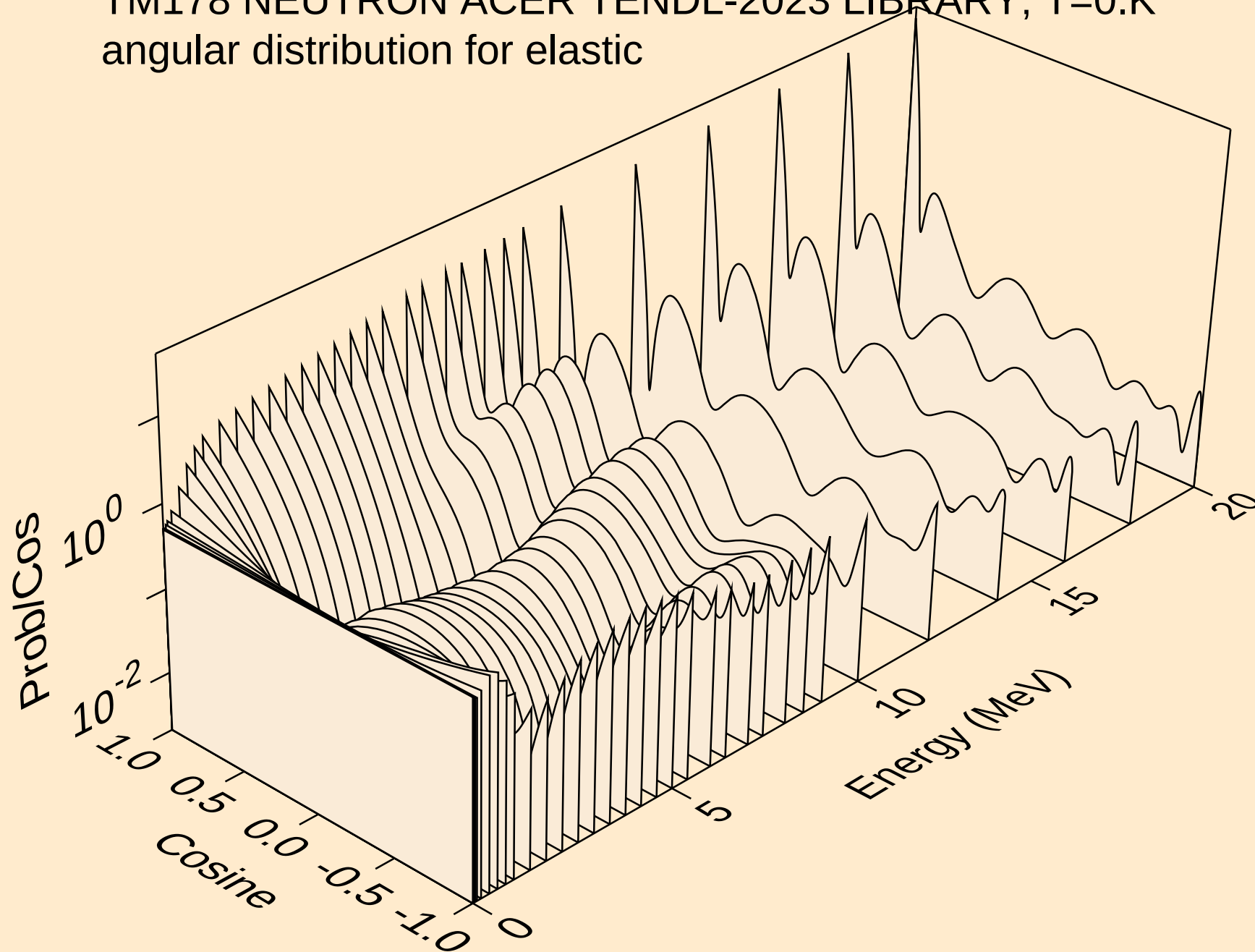
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



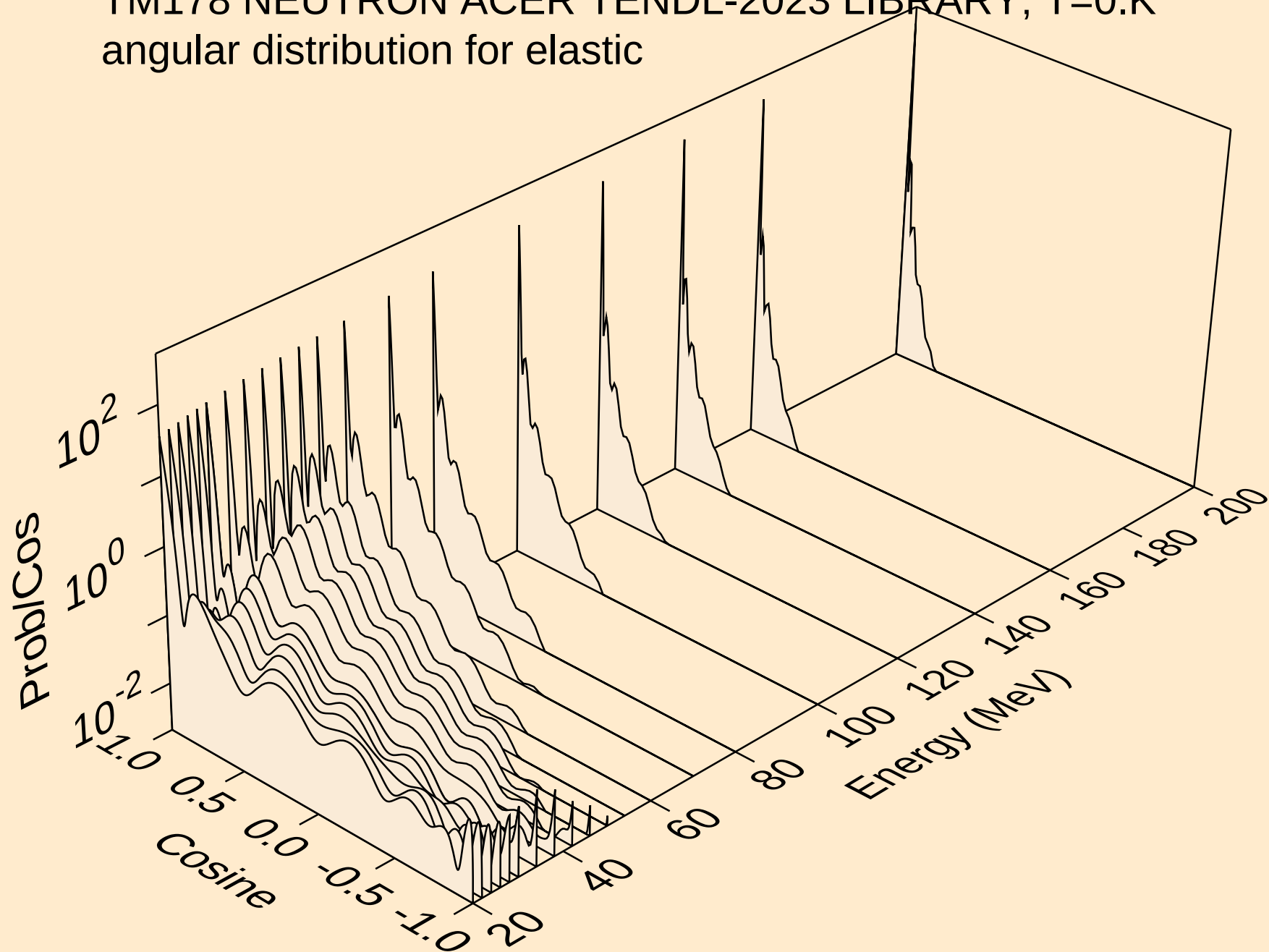
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



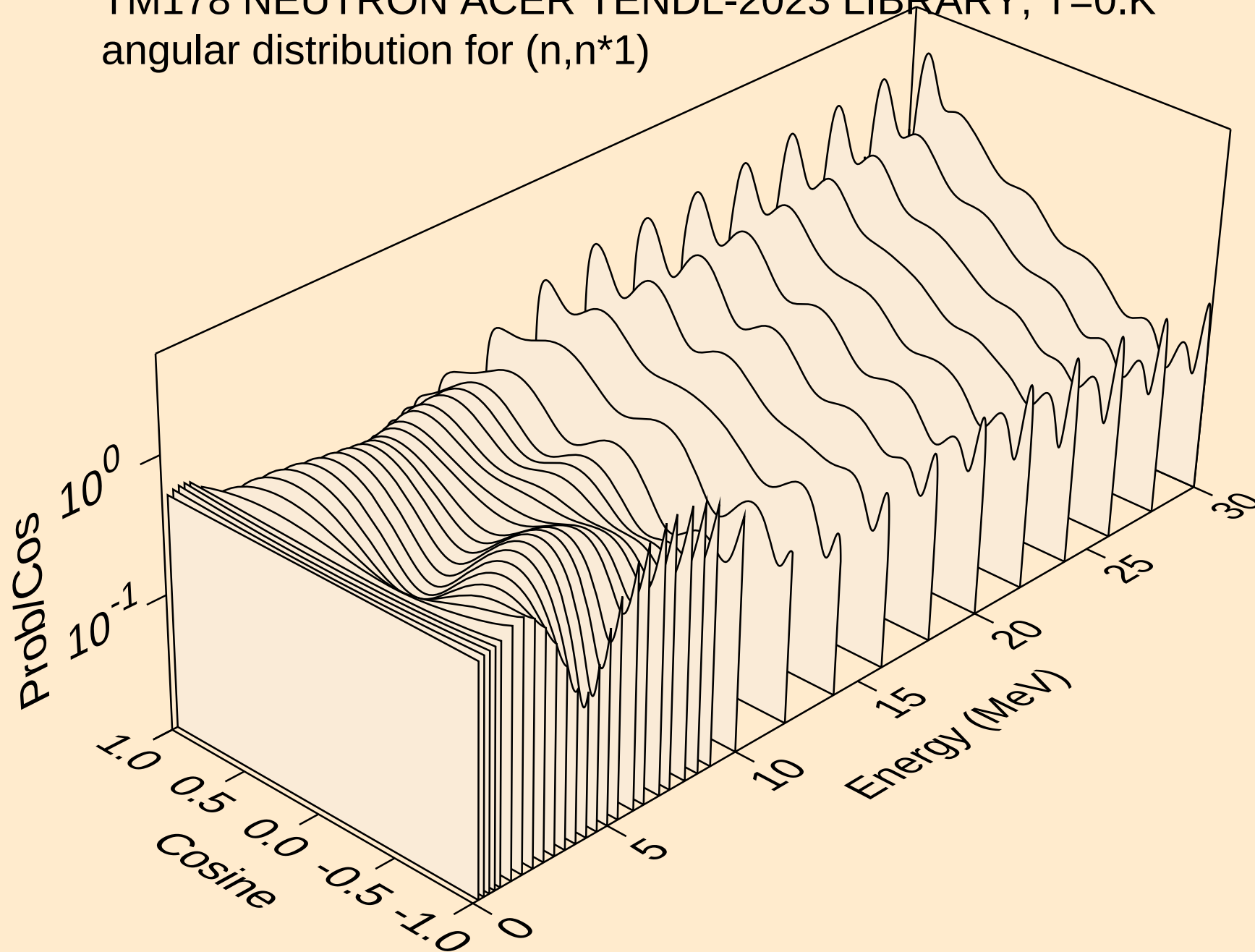
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



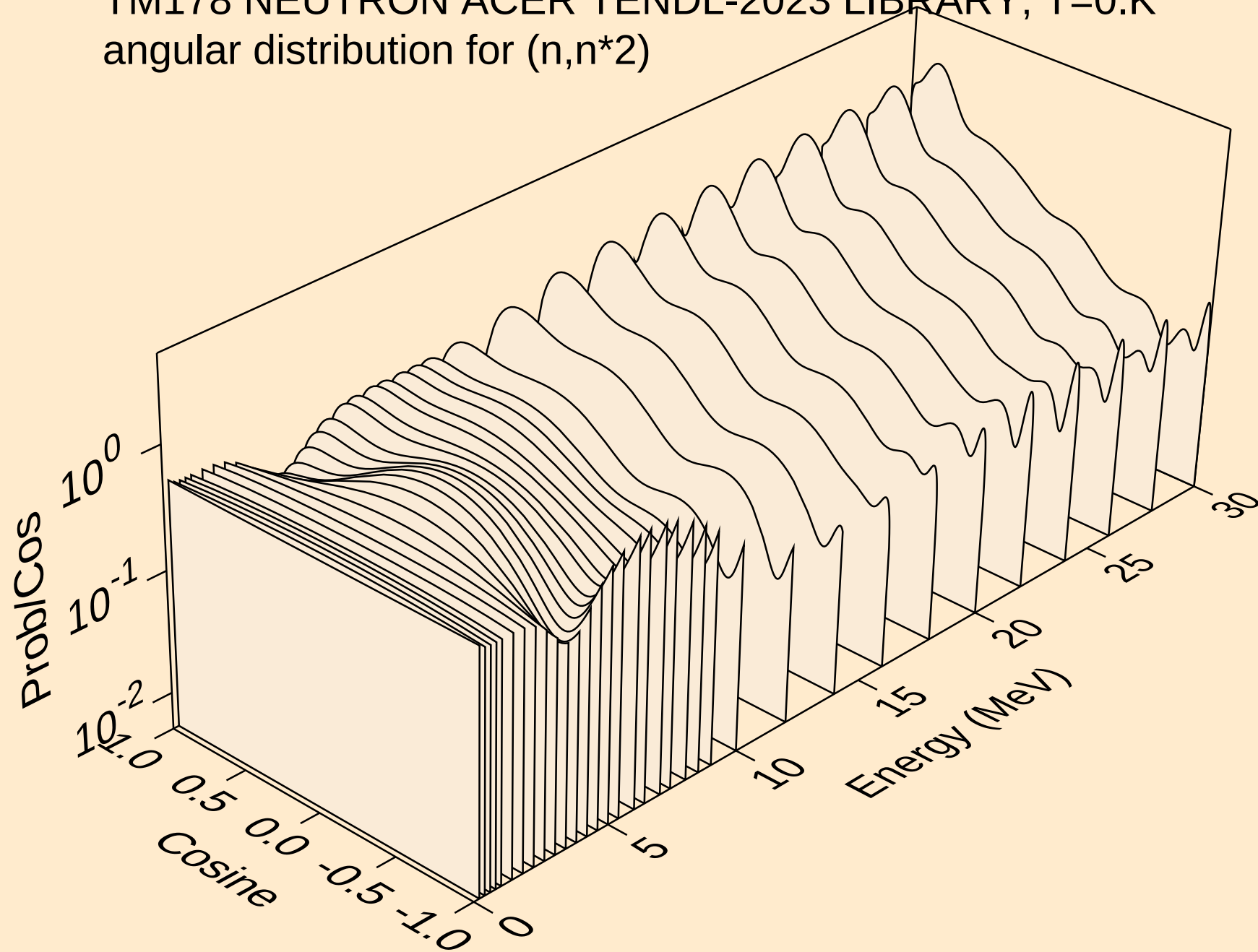
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



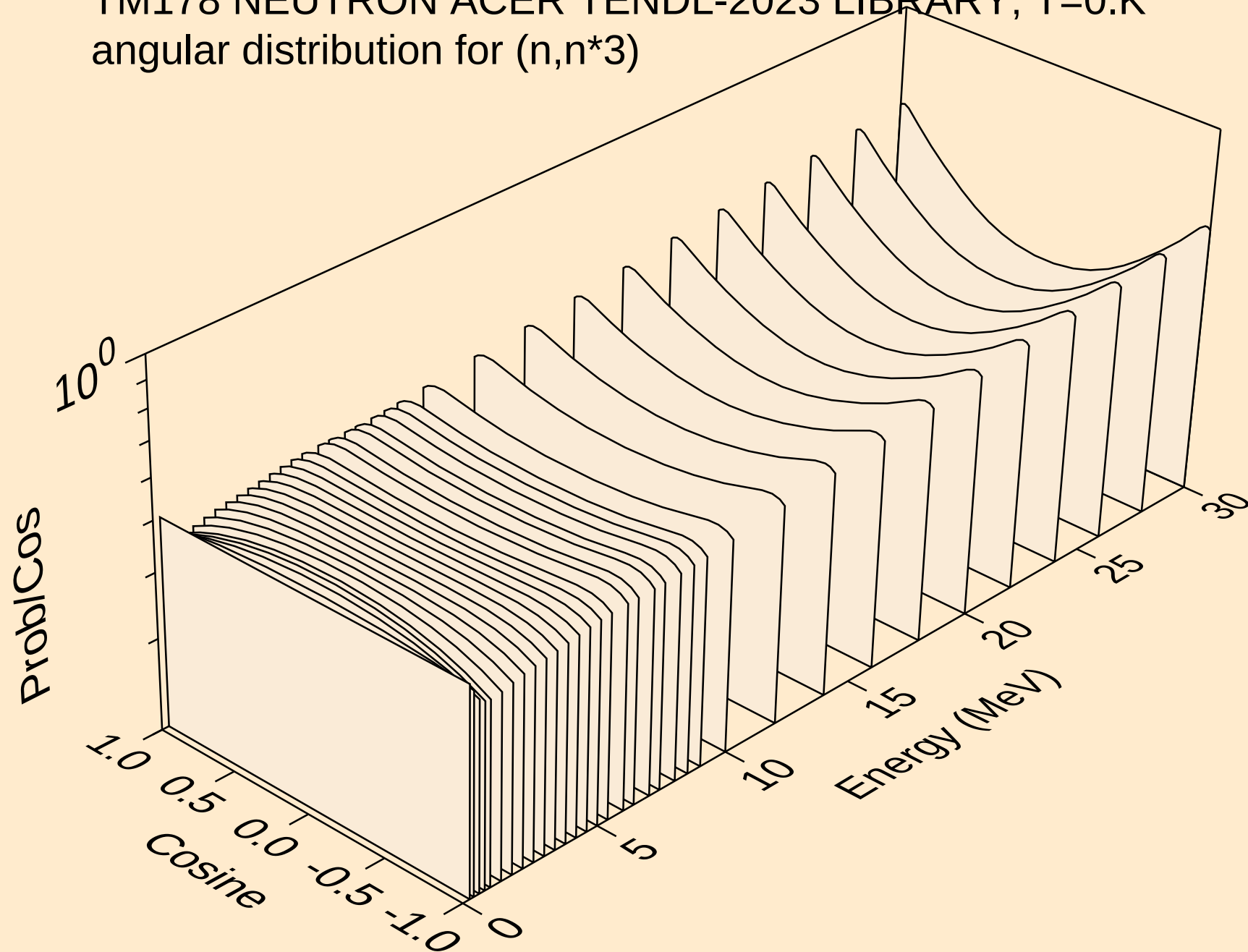
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



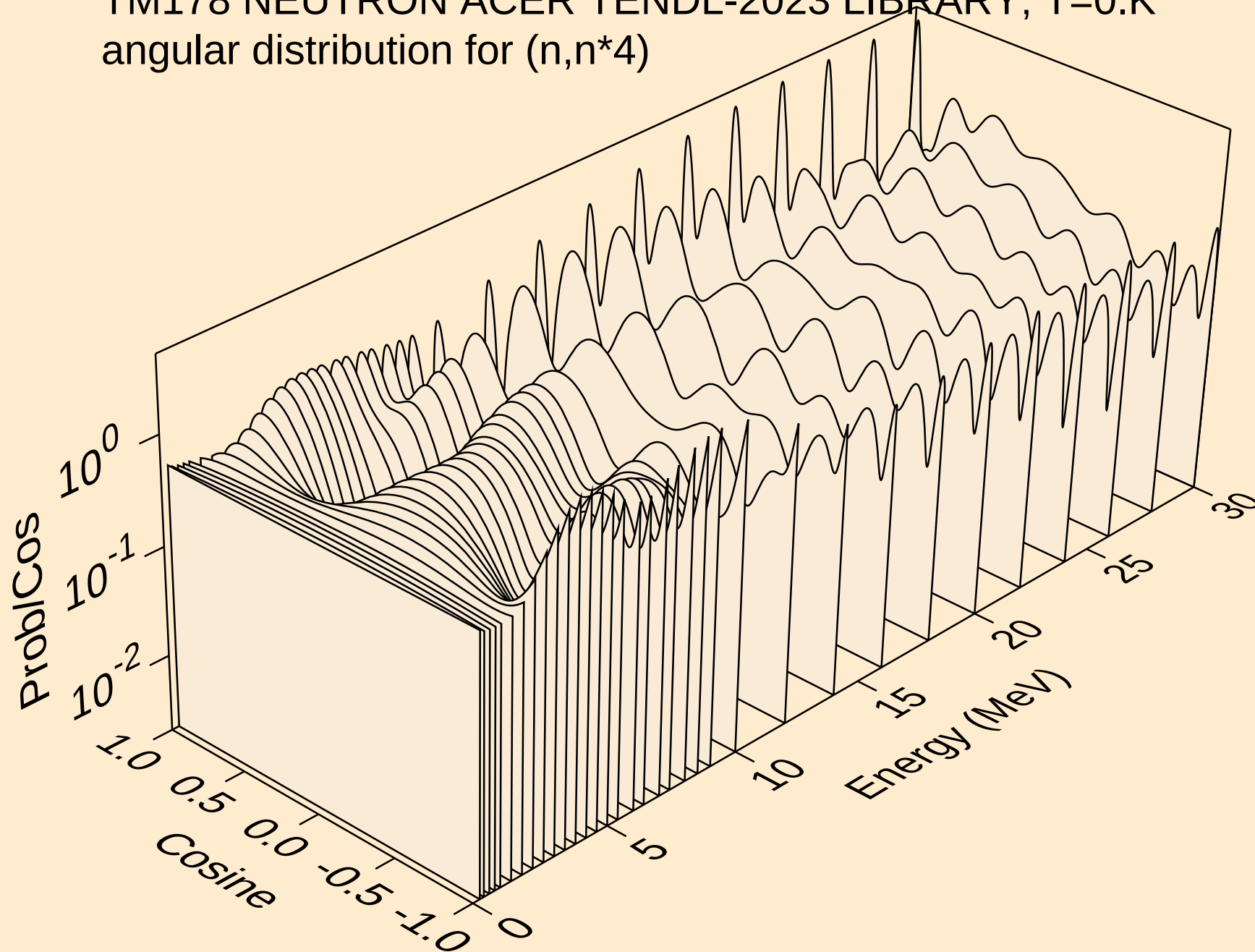
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



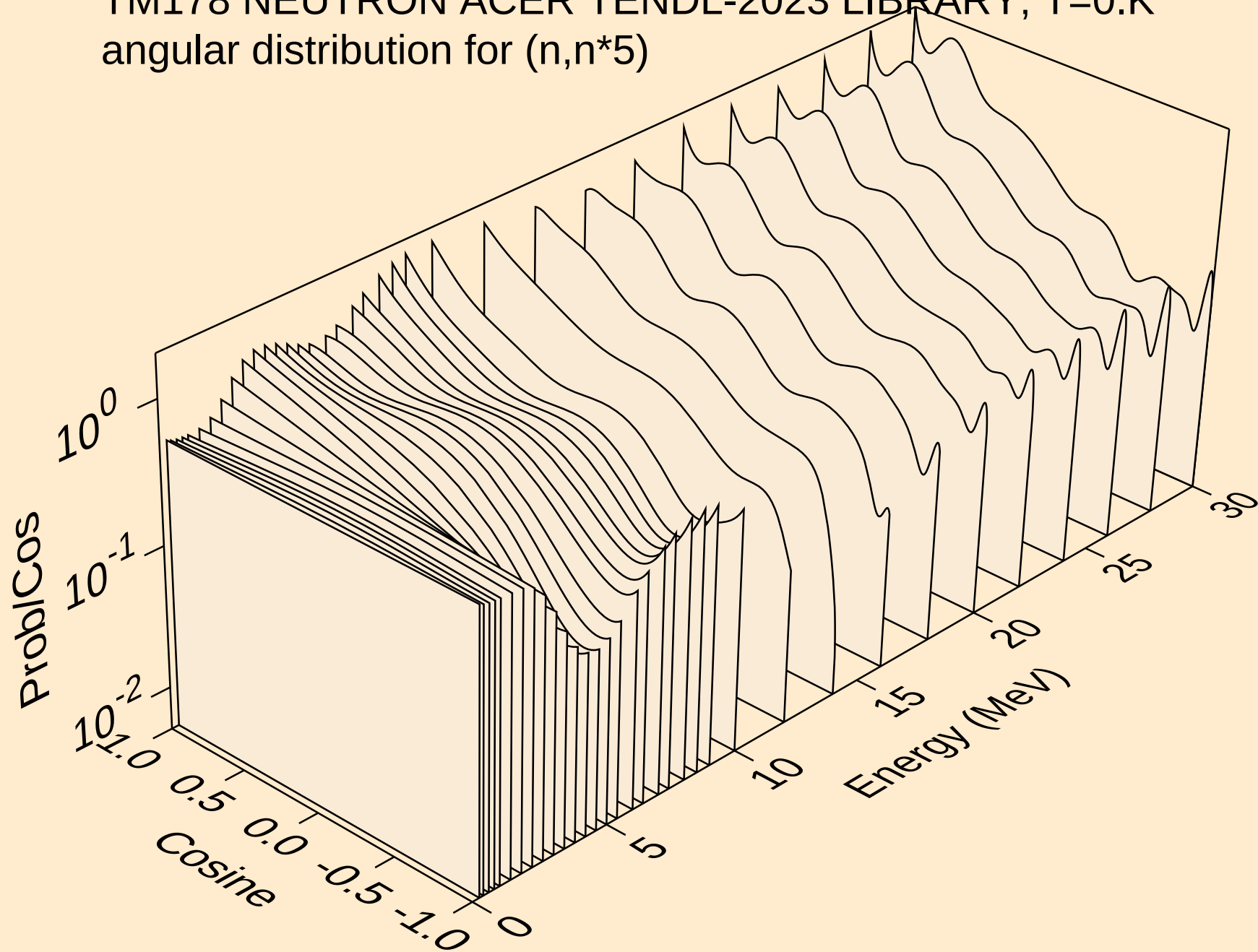
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



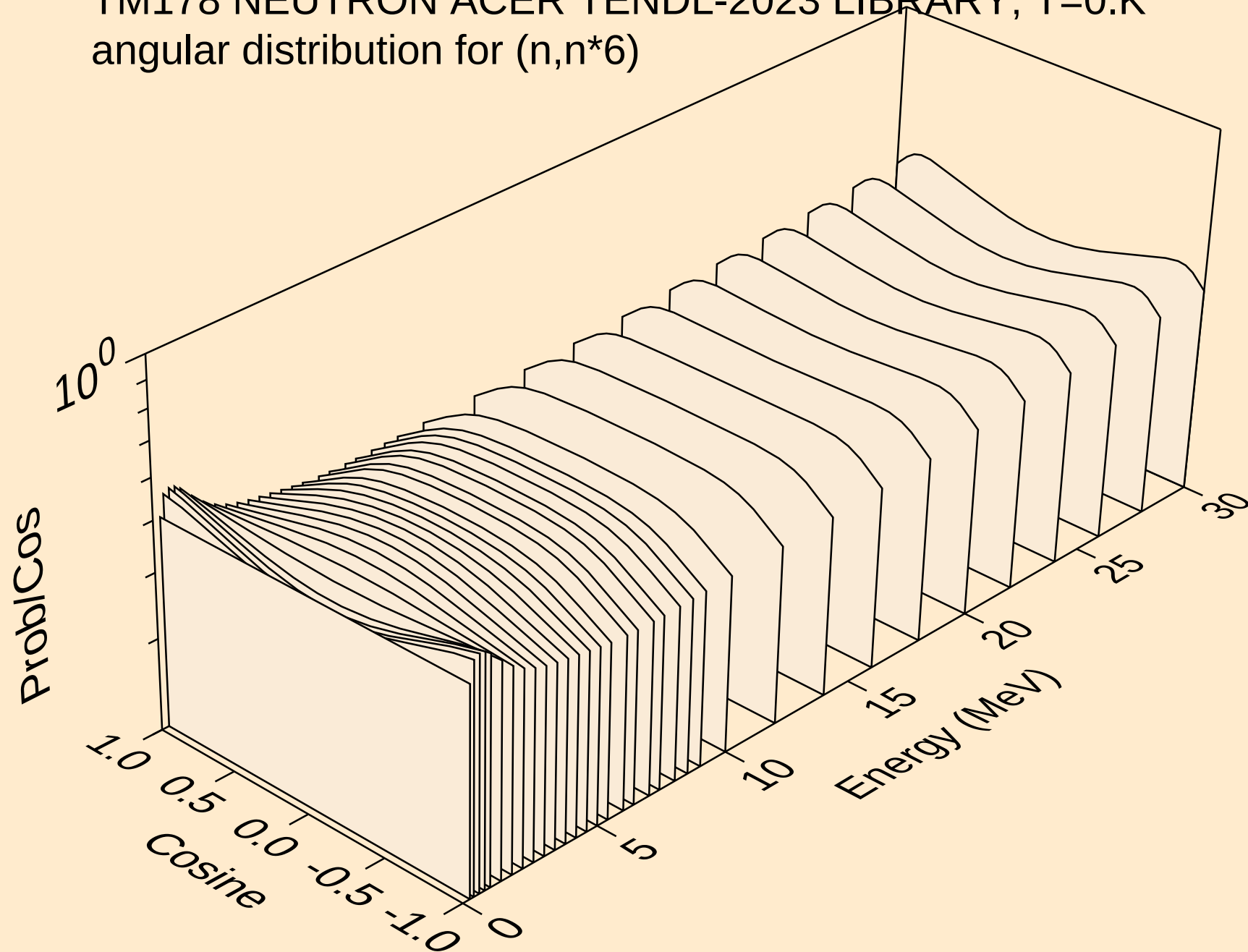
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



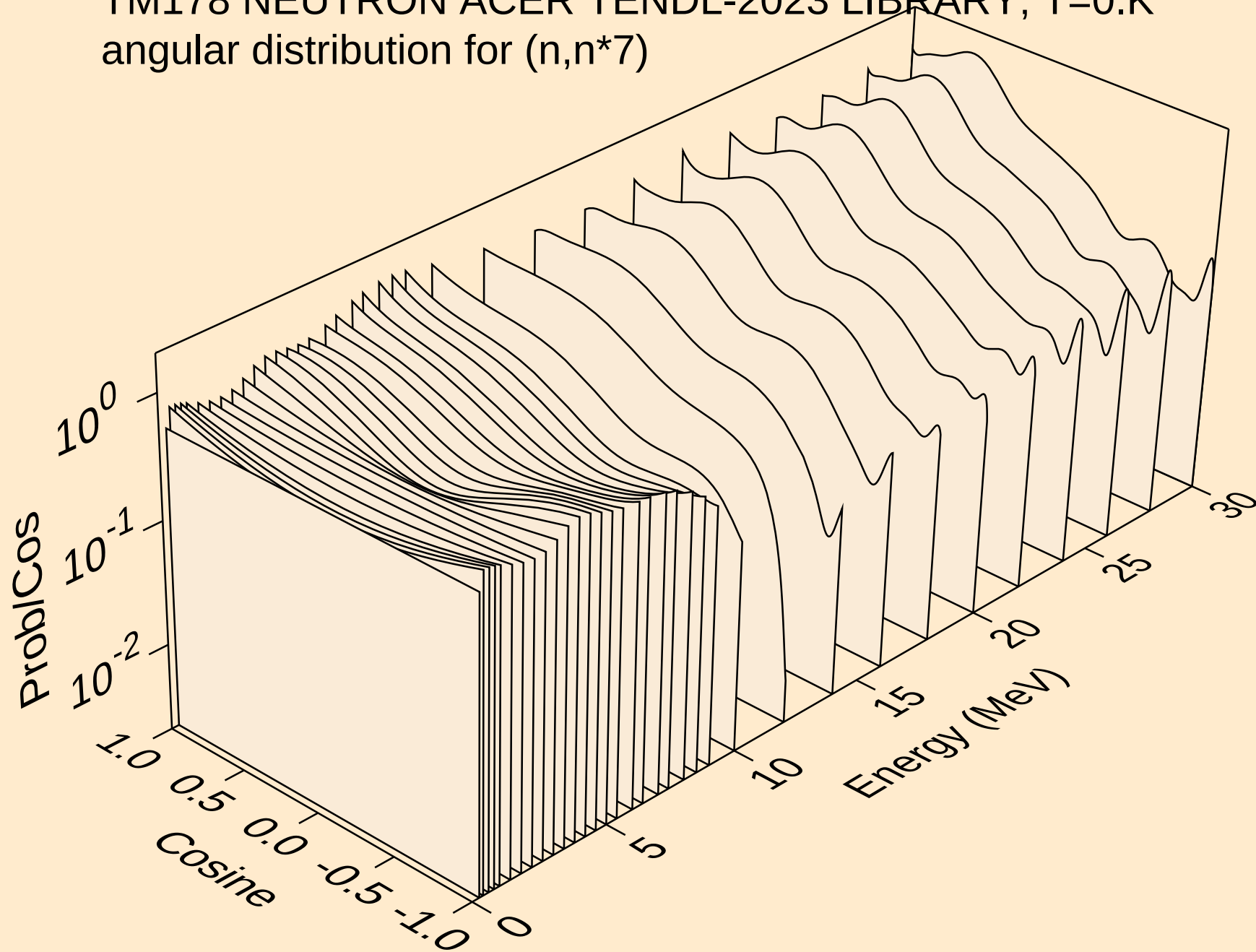
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



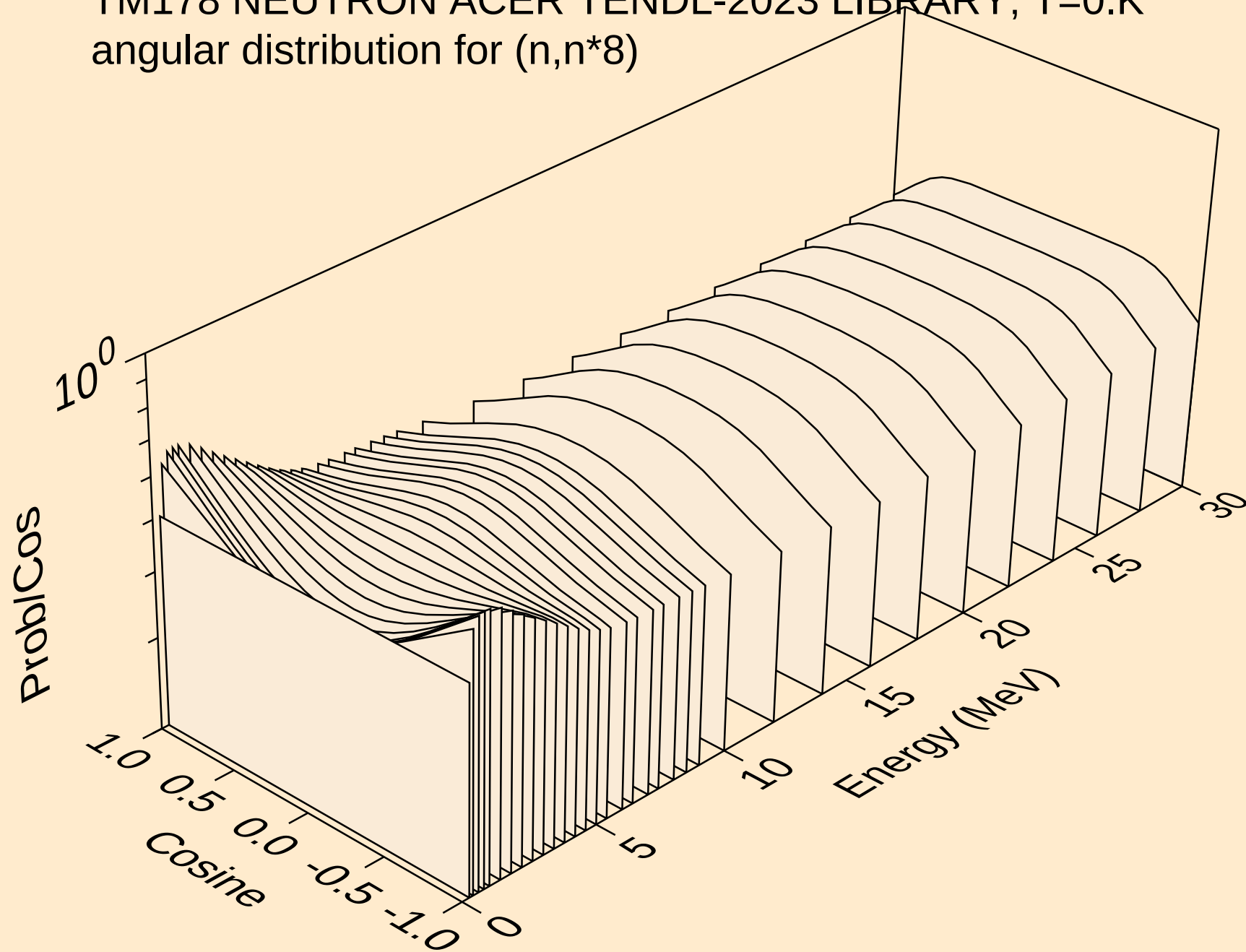
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



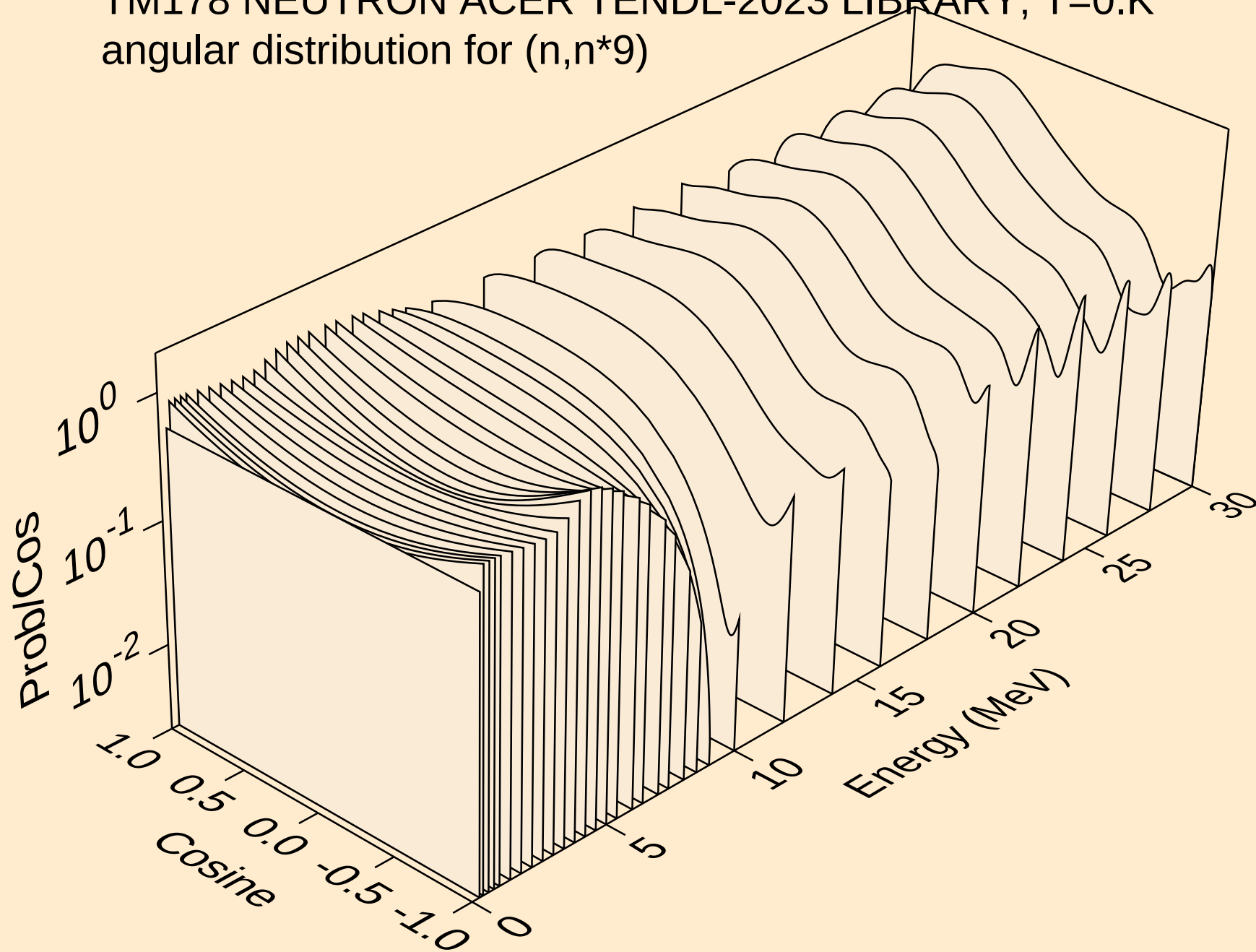
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



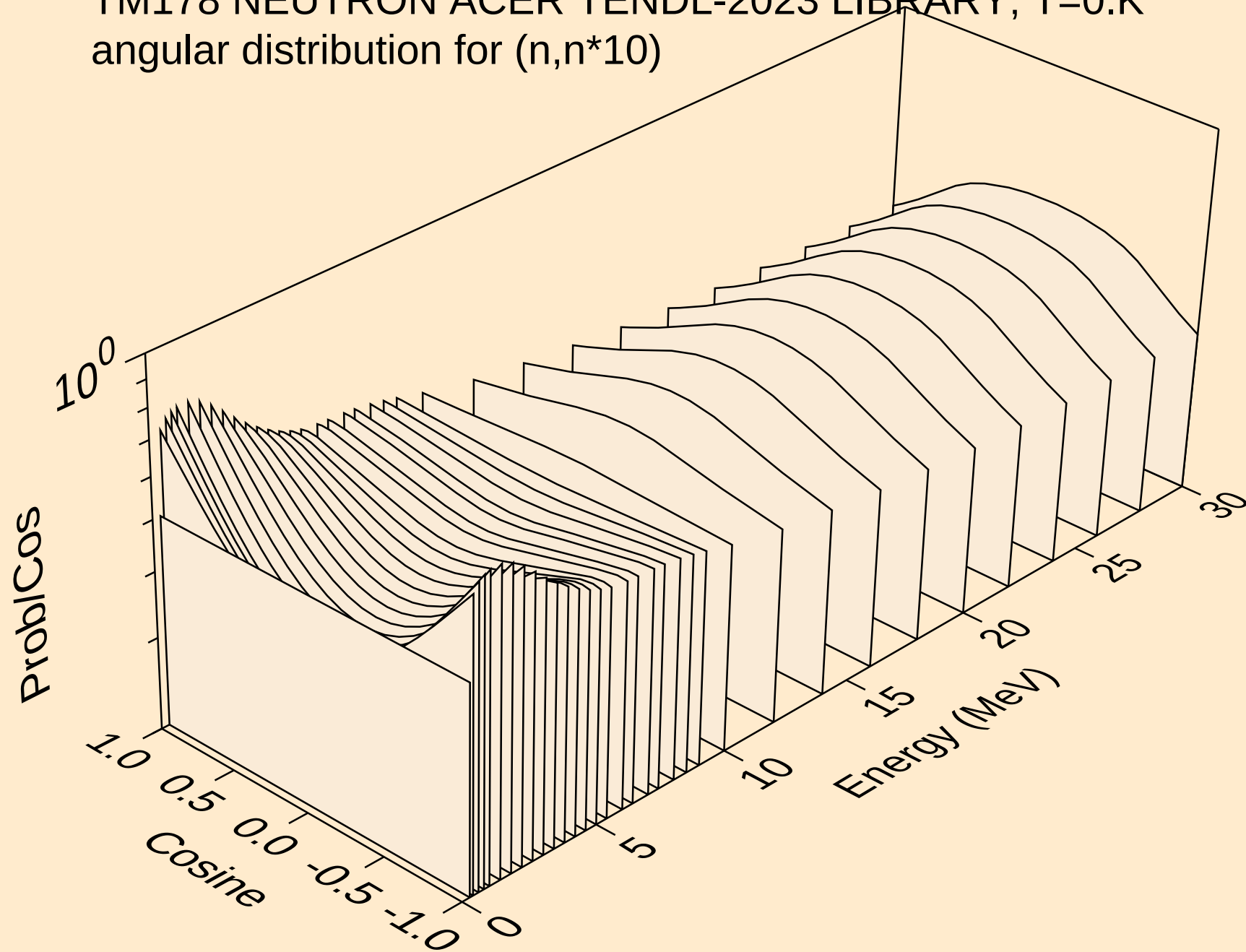
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



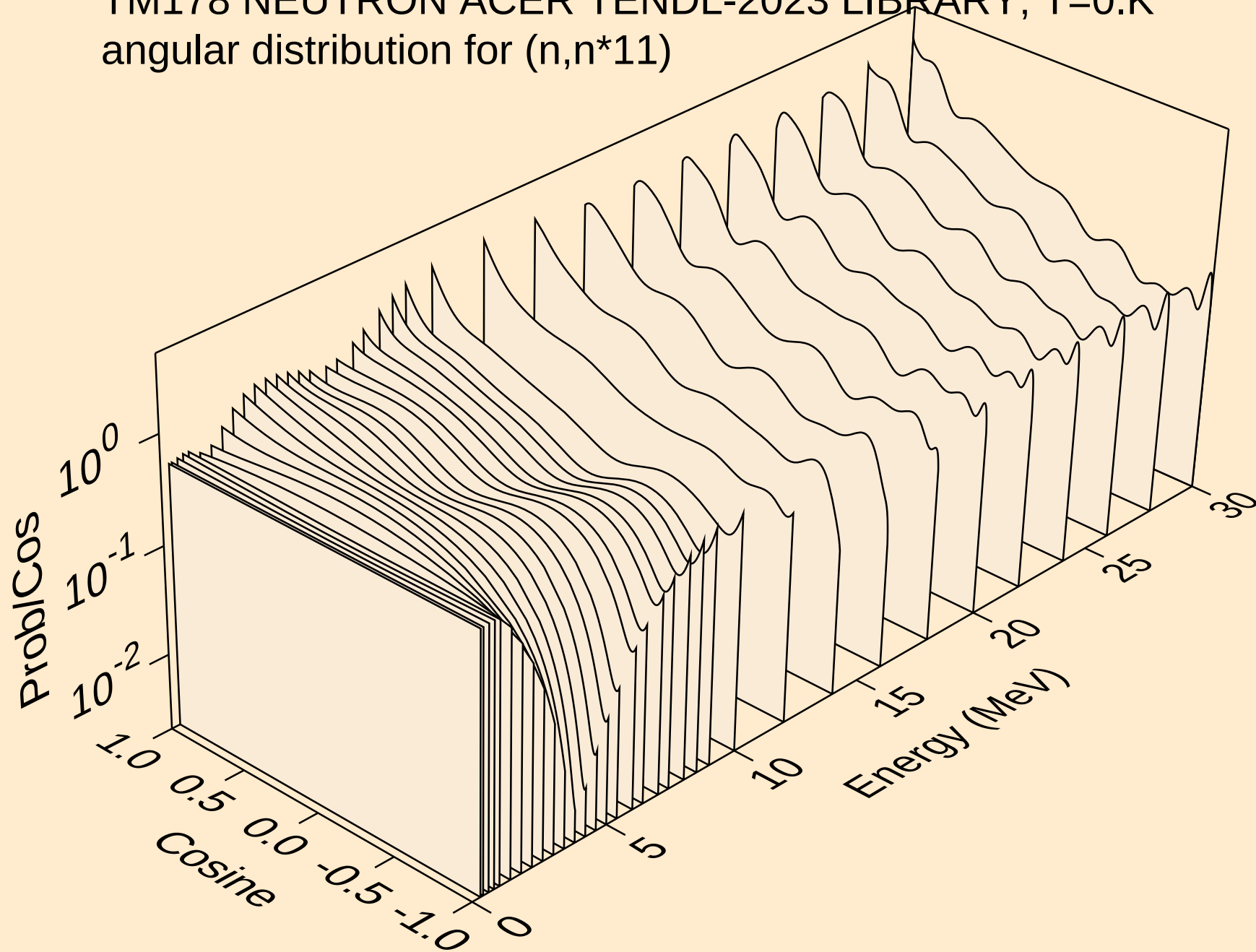
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



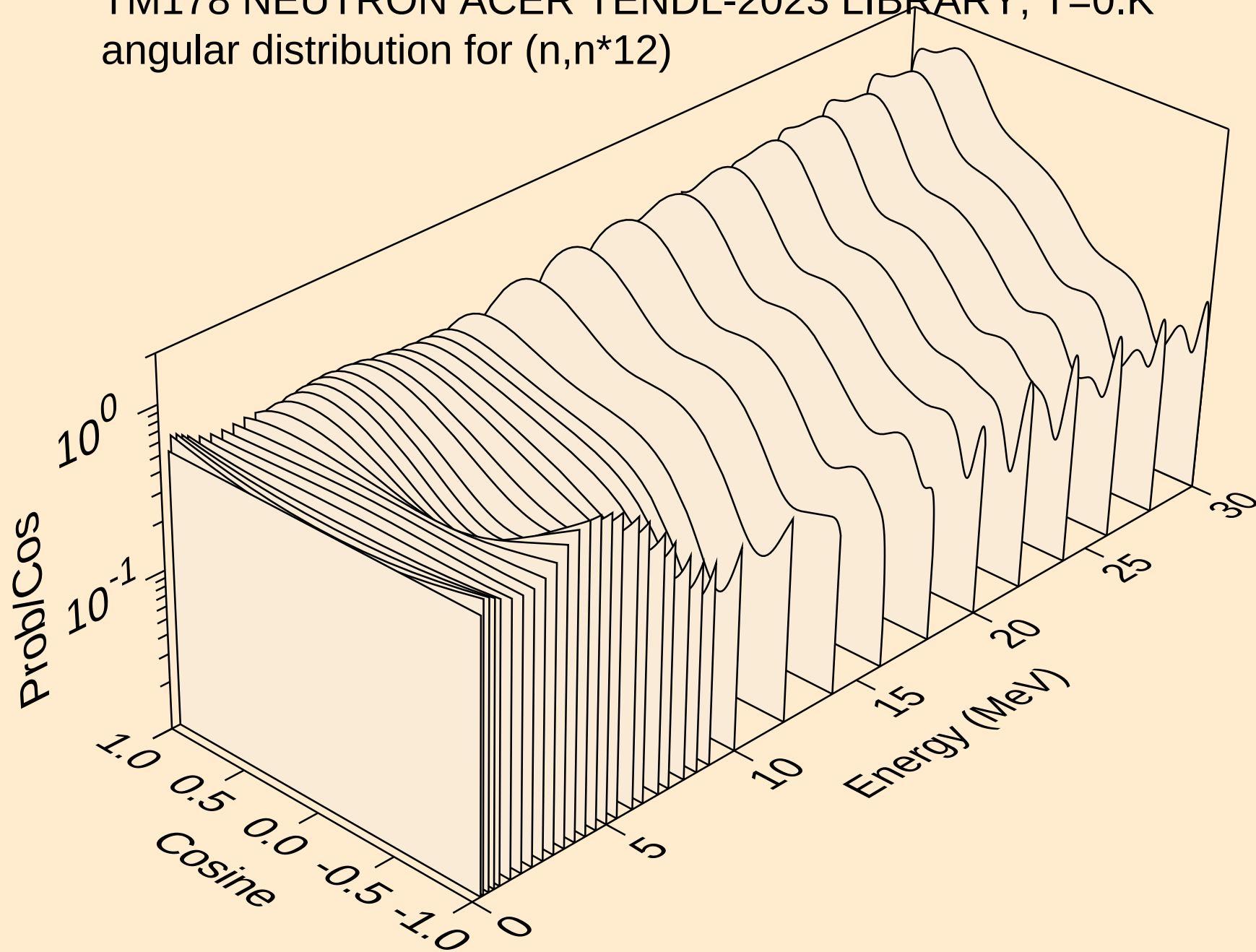
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



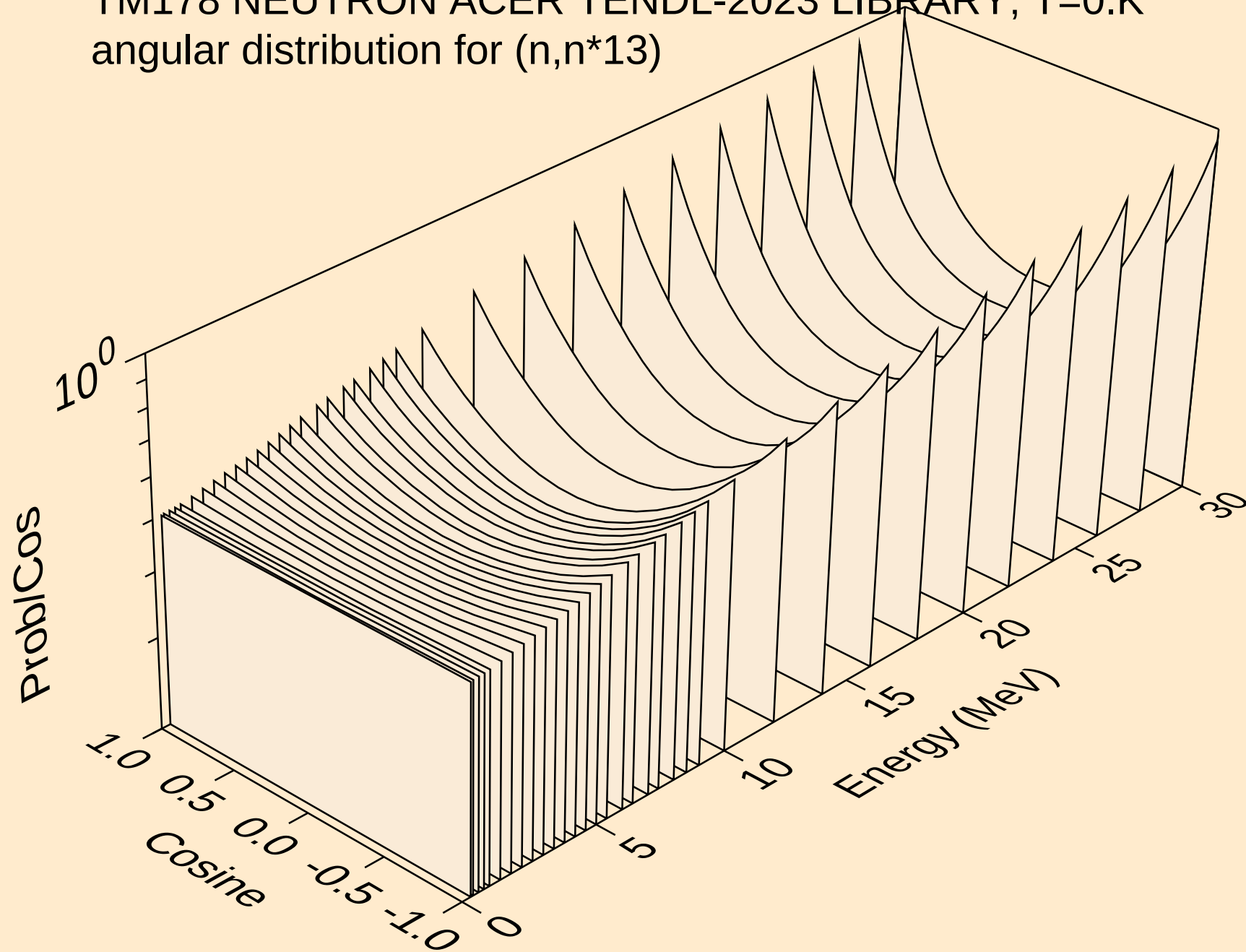
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



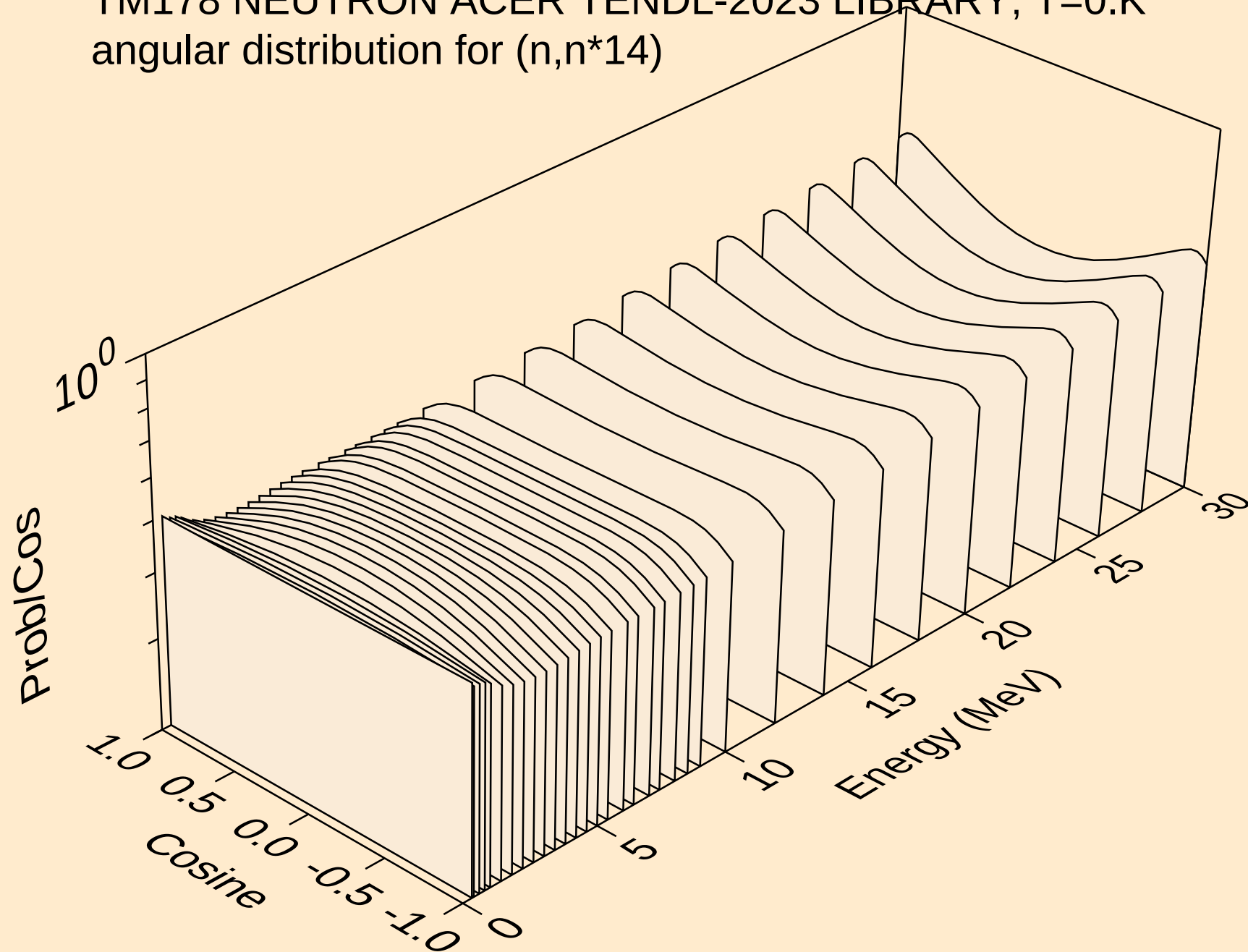
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



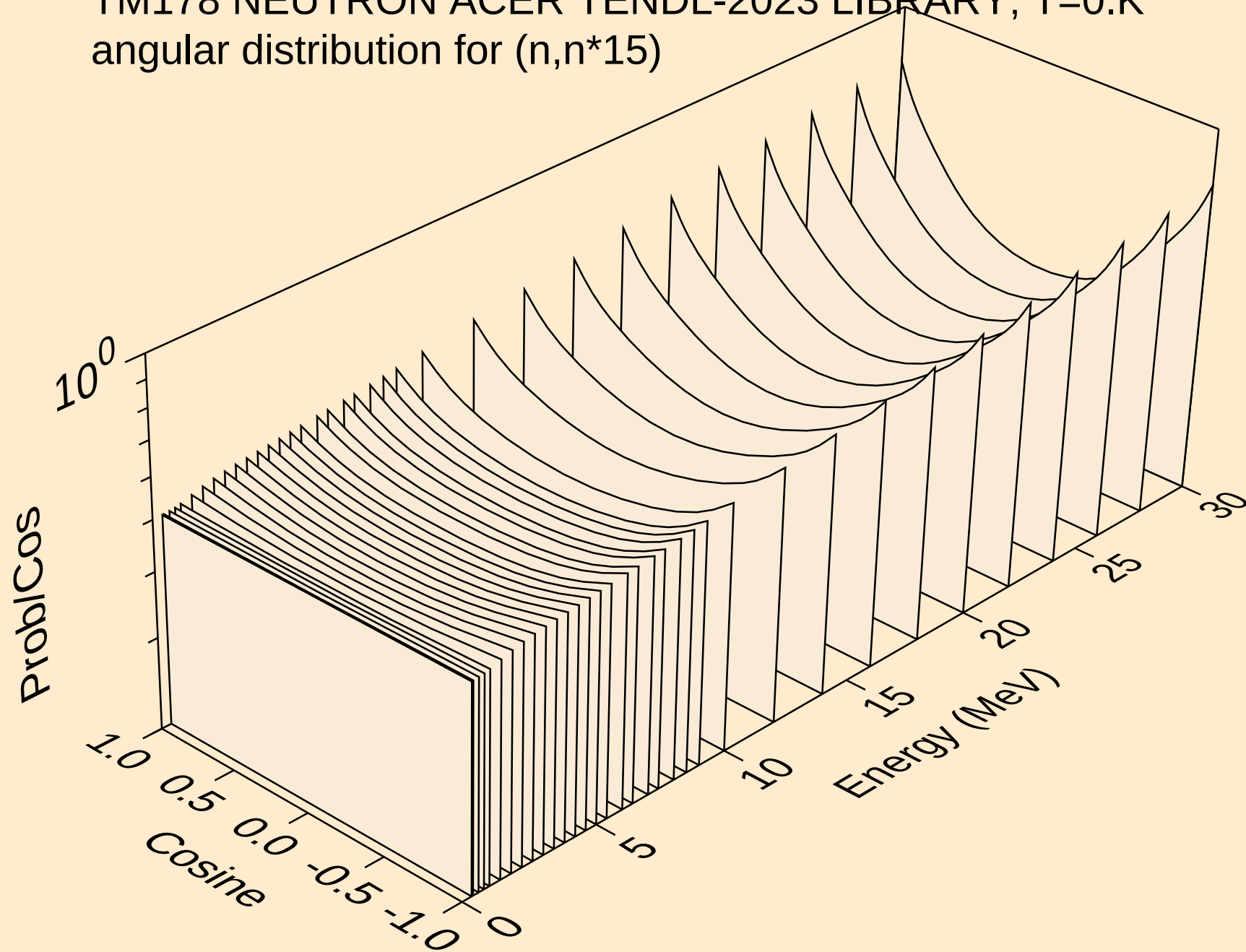
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



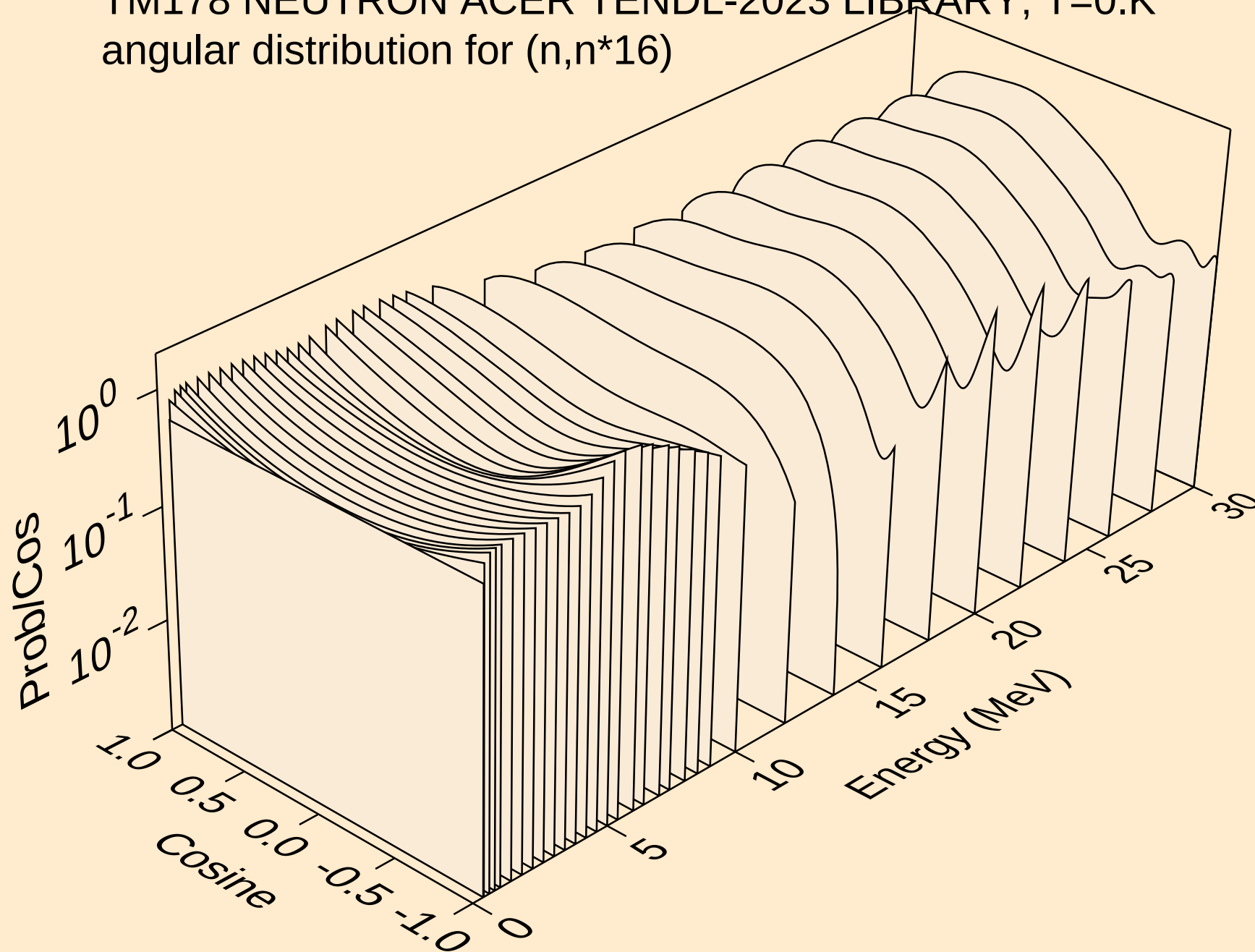
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angular distribution for (n,n\*14)



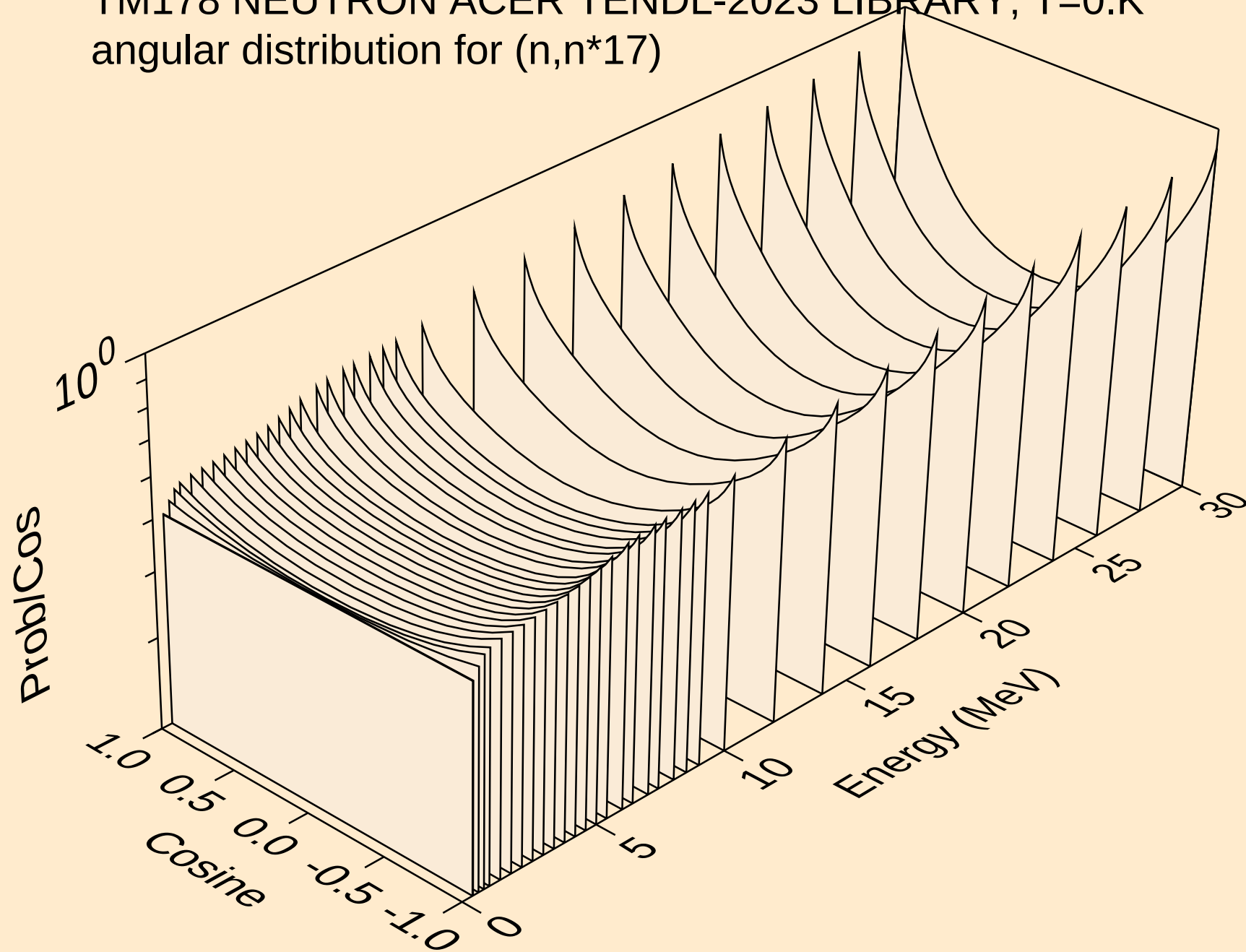
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



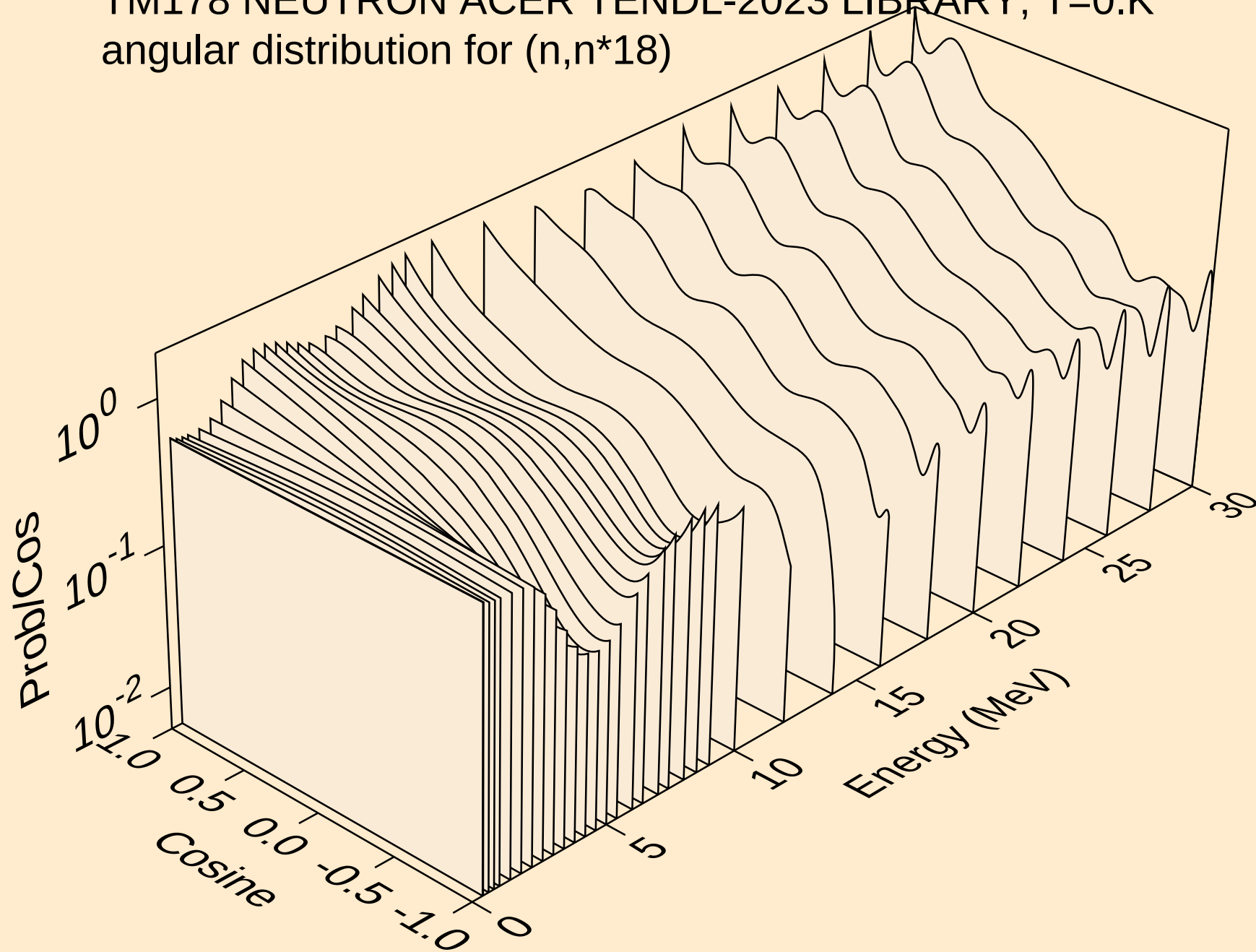
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



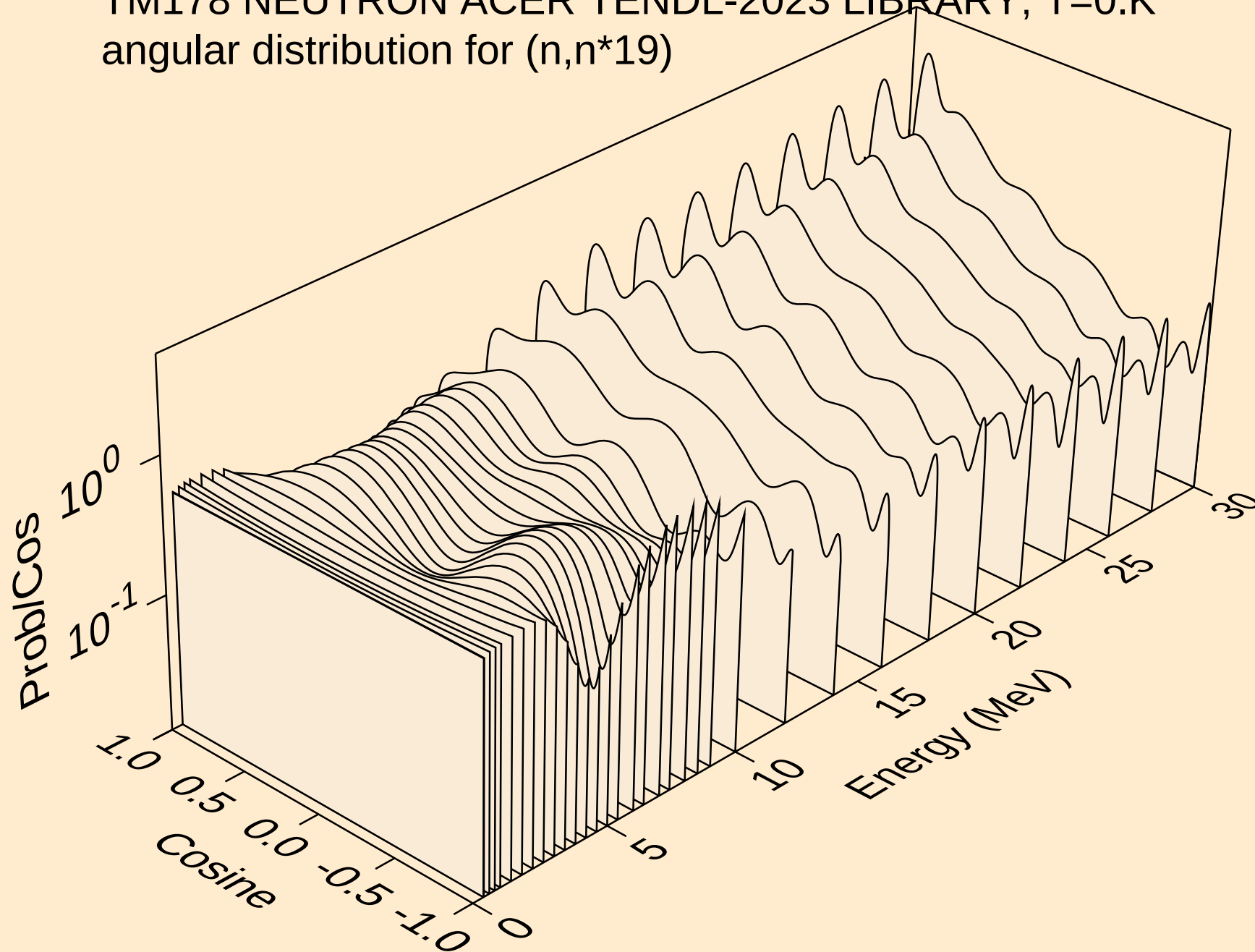
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



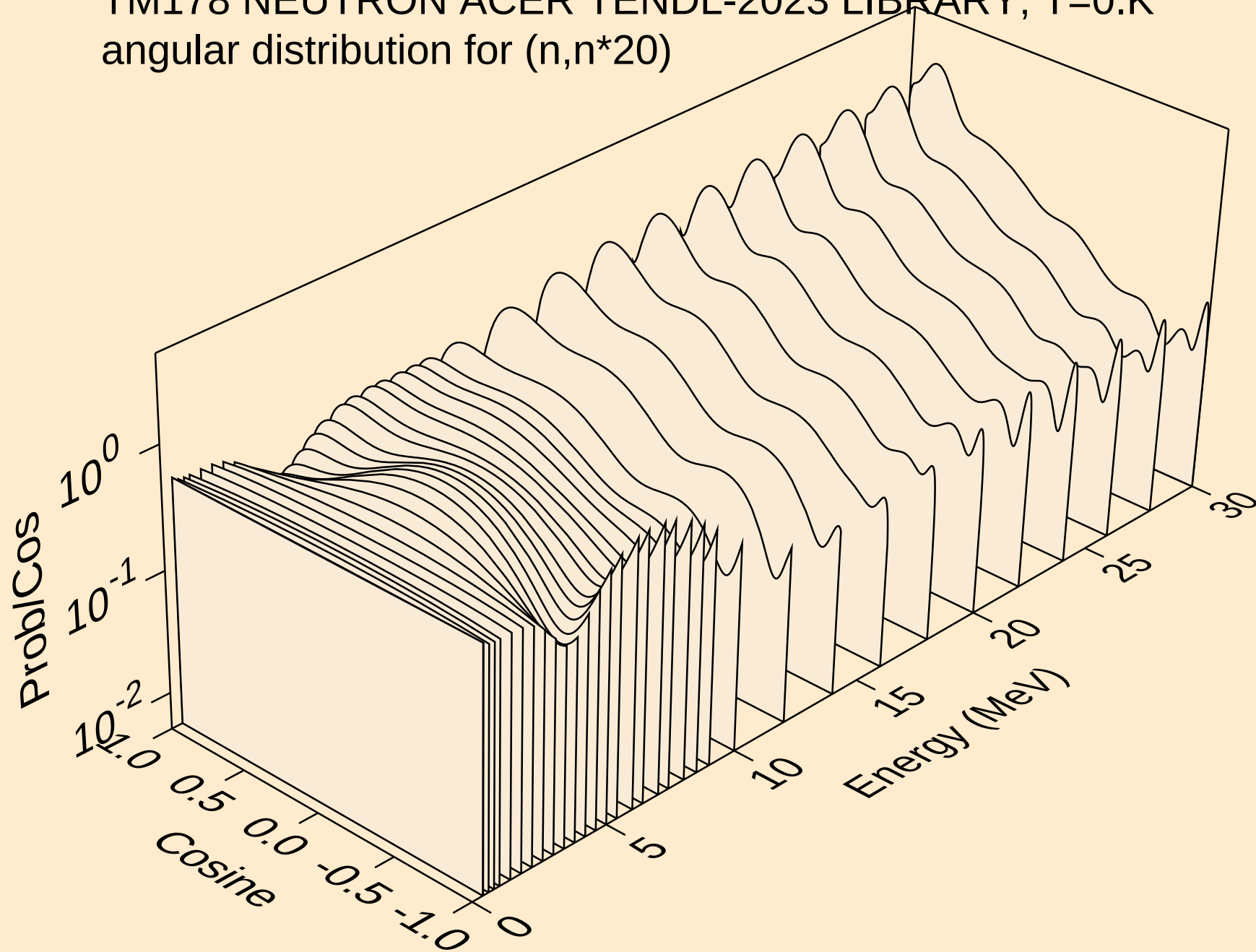
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



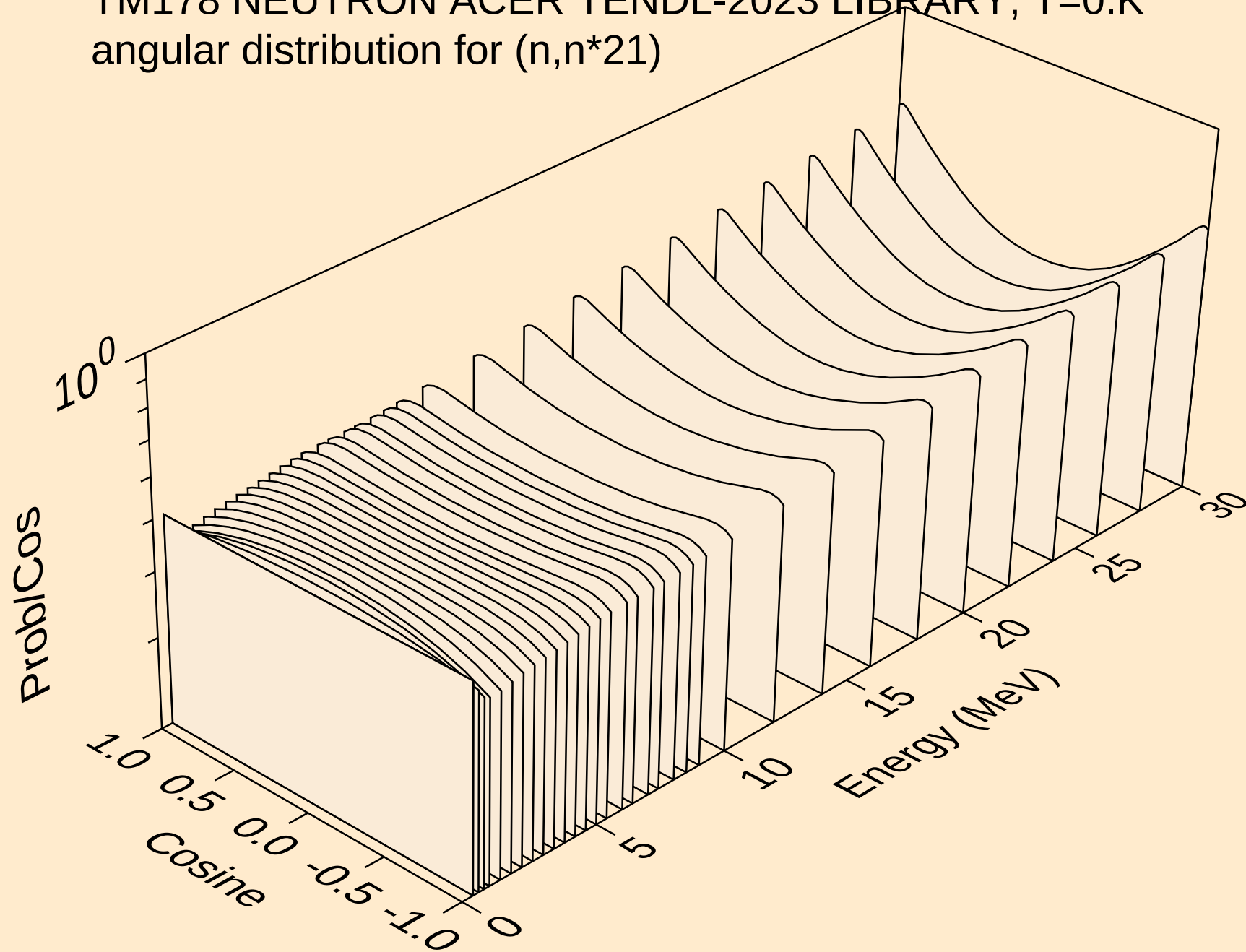
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



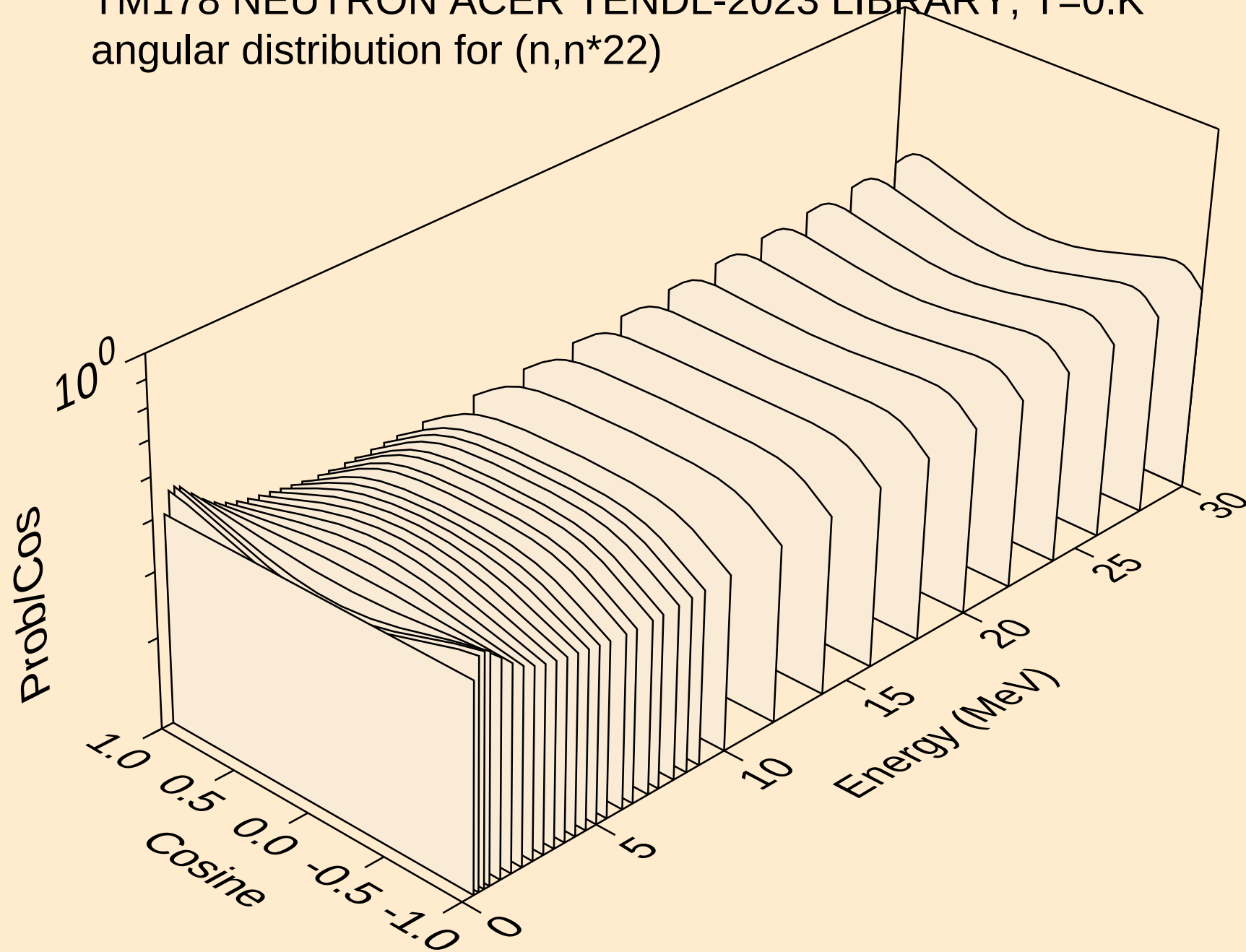
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



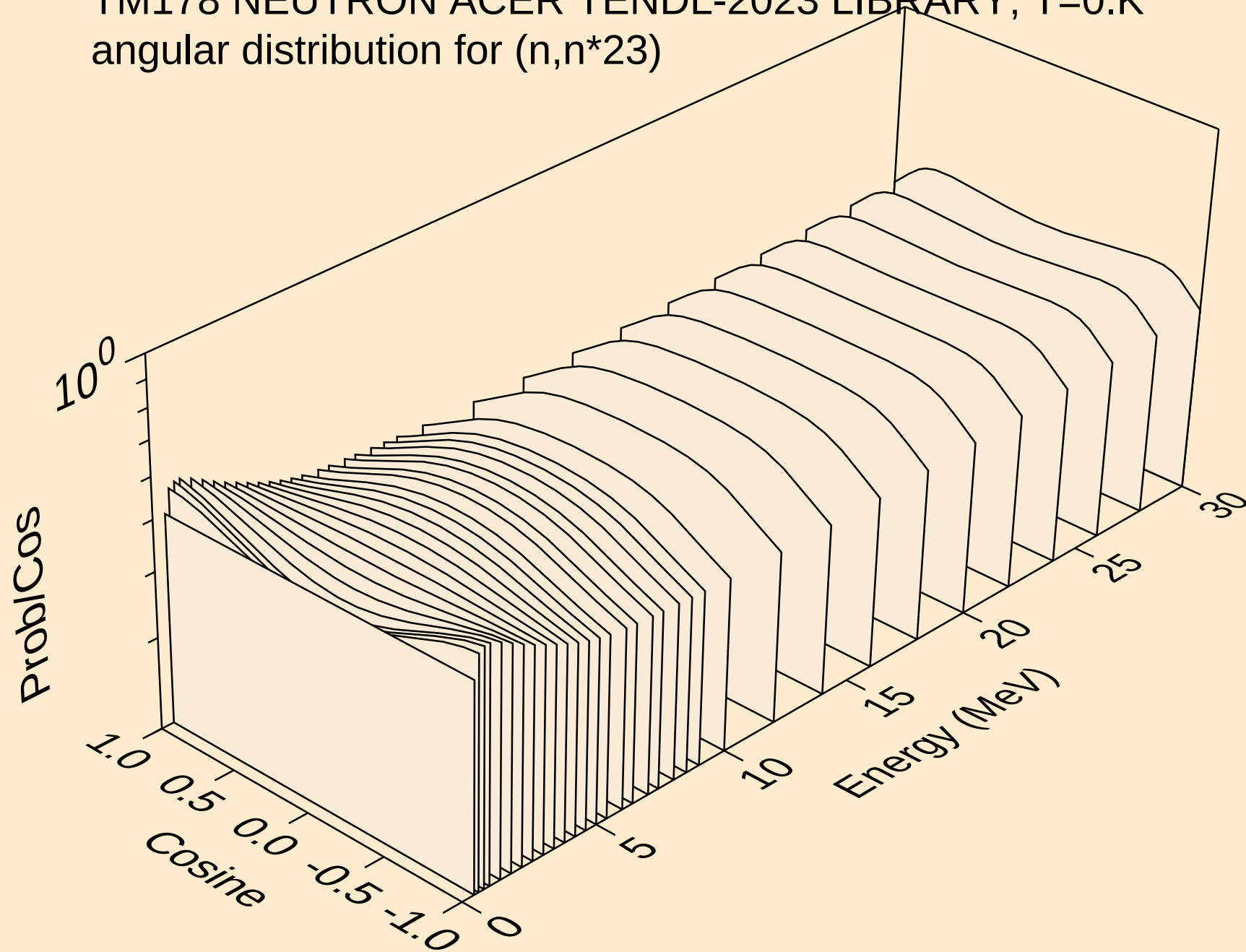
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



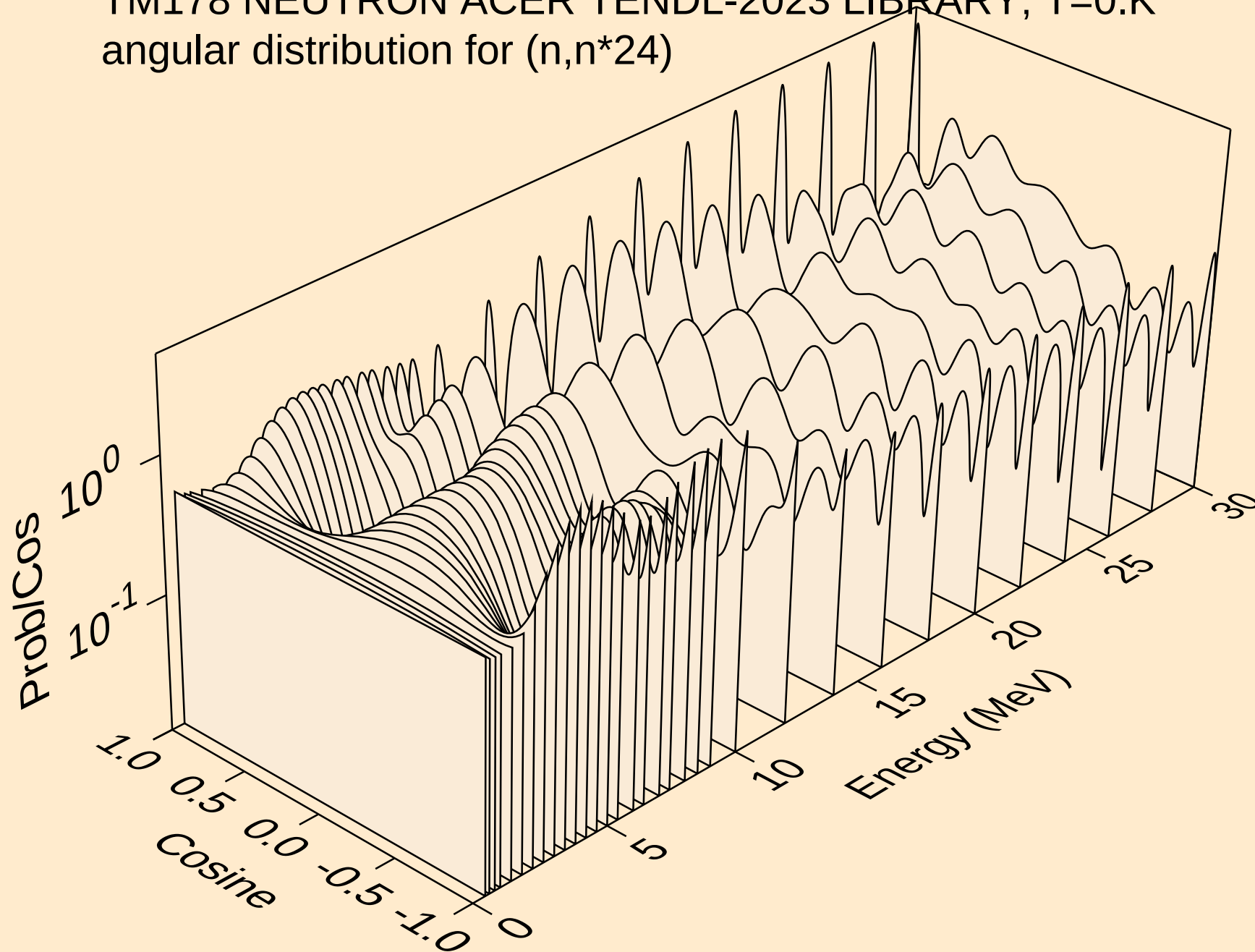
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



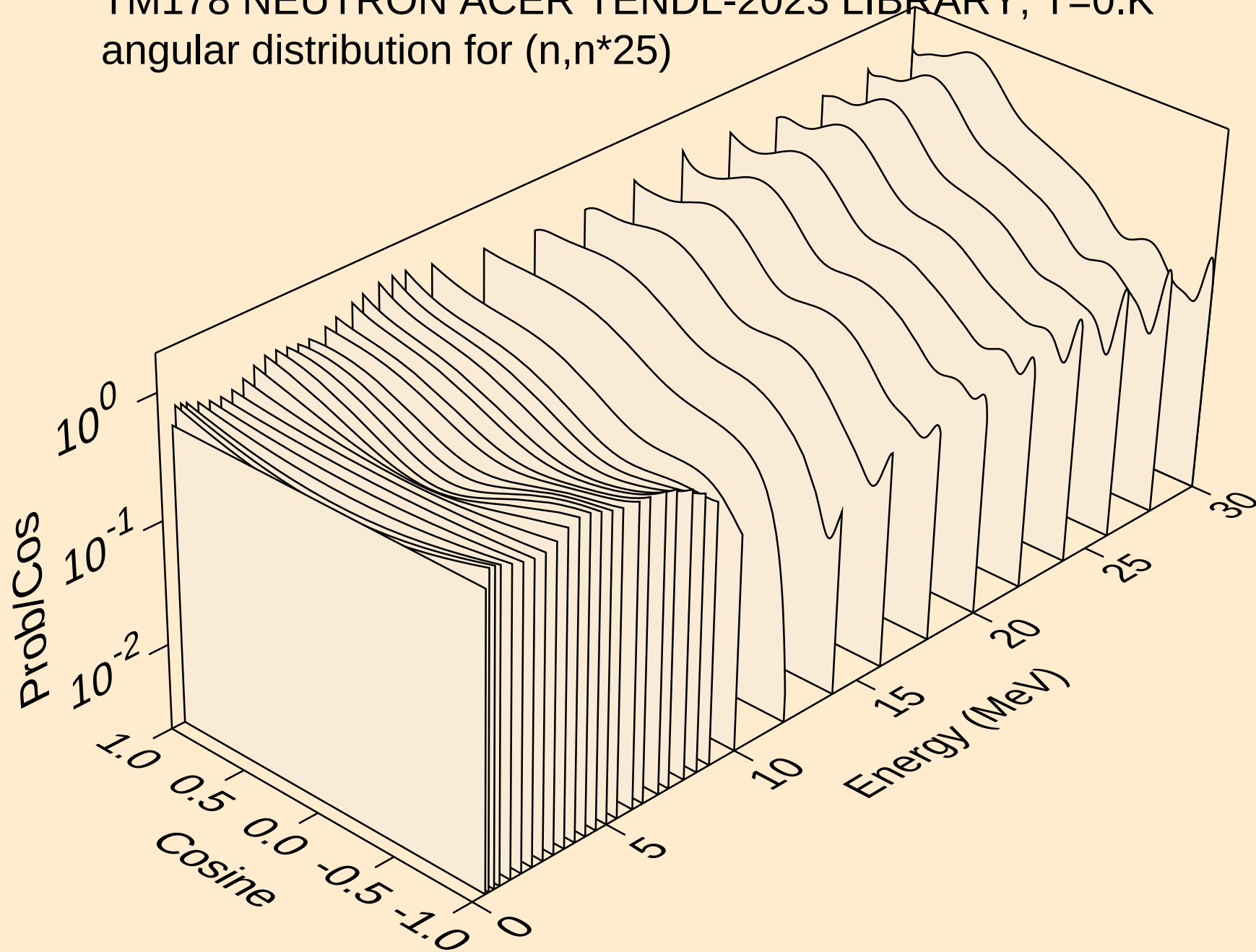
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



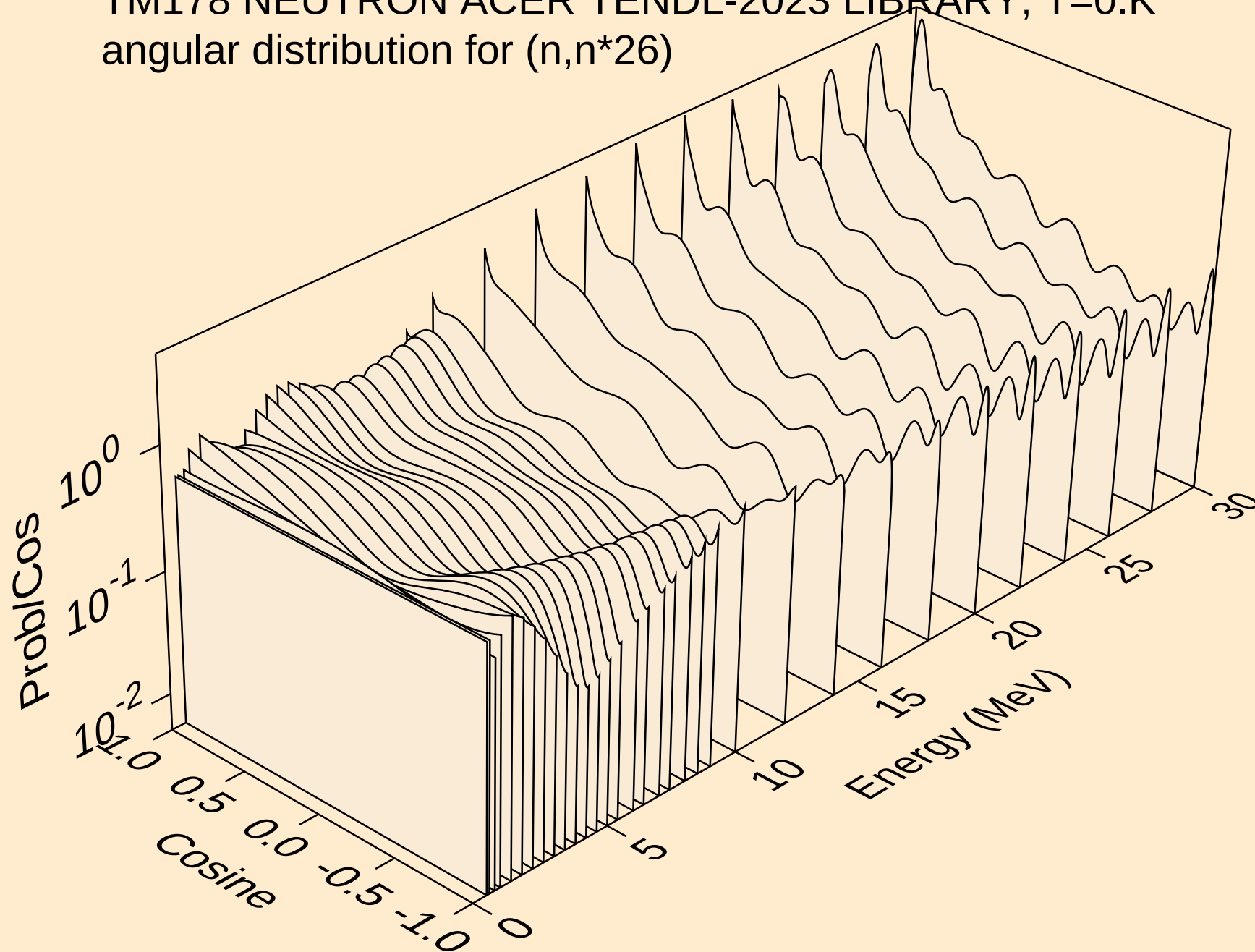
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



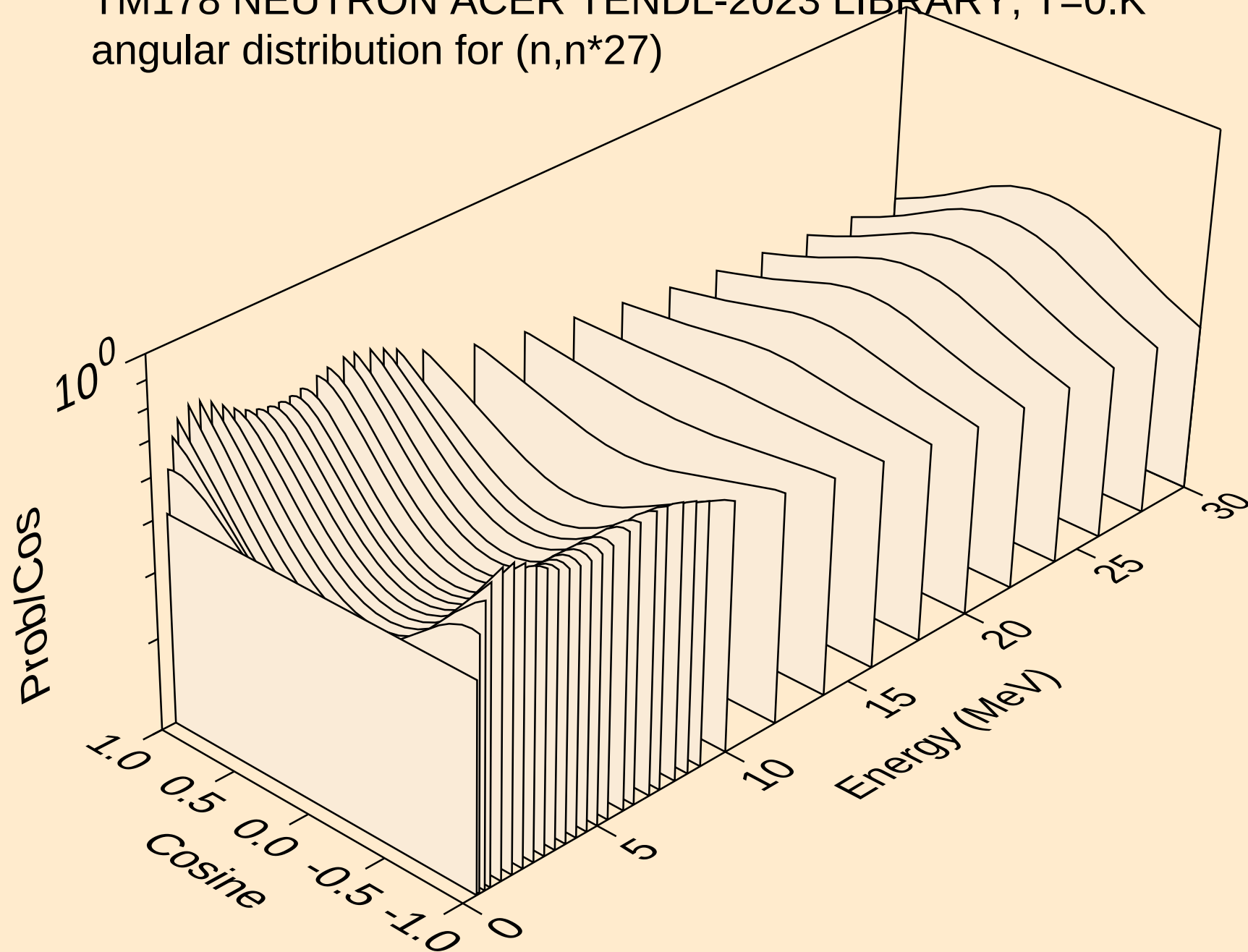
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



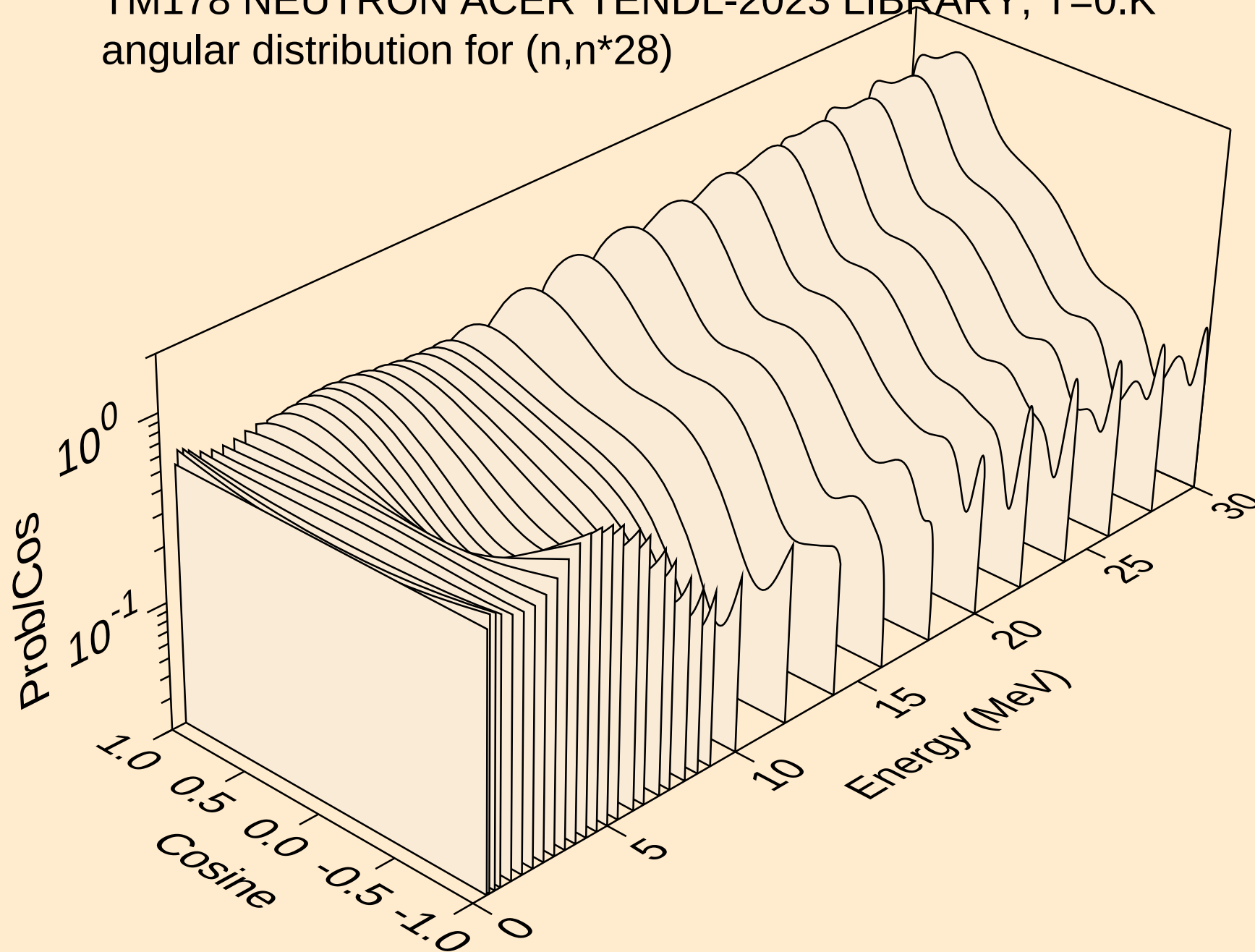
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



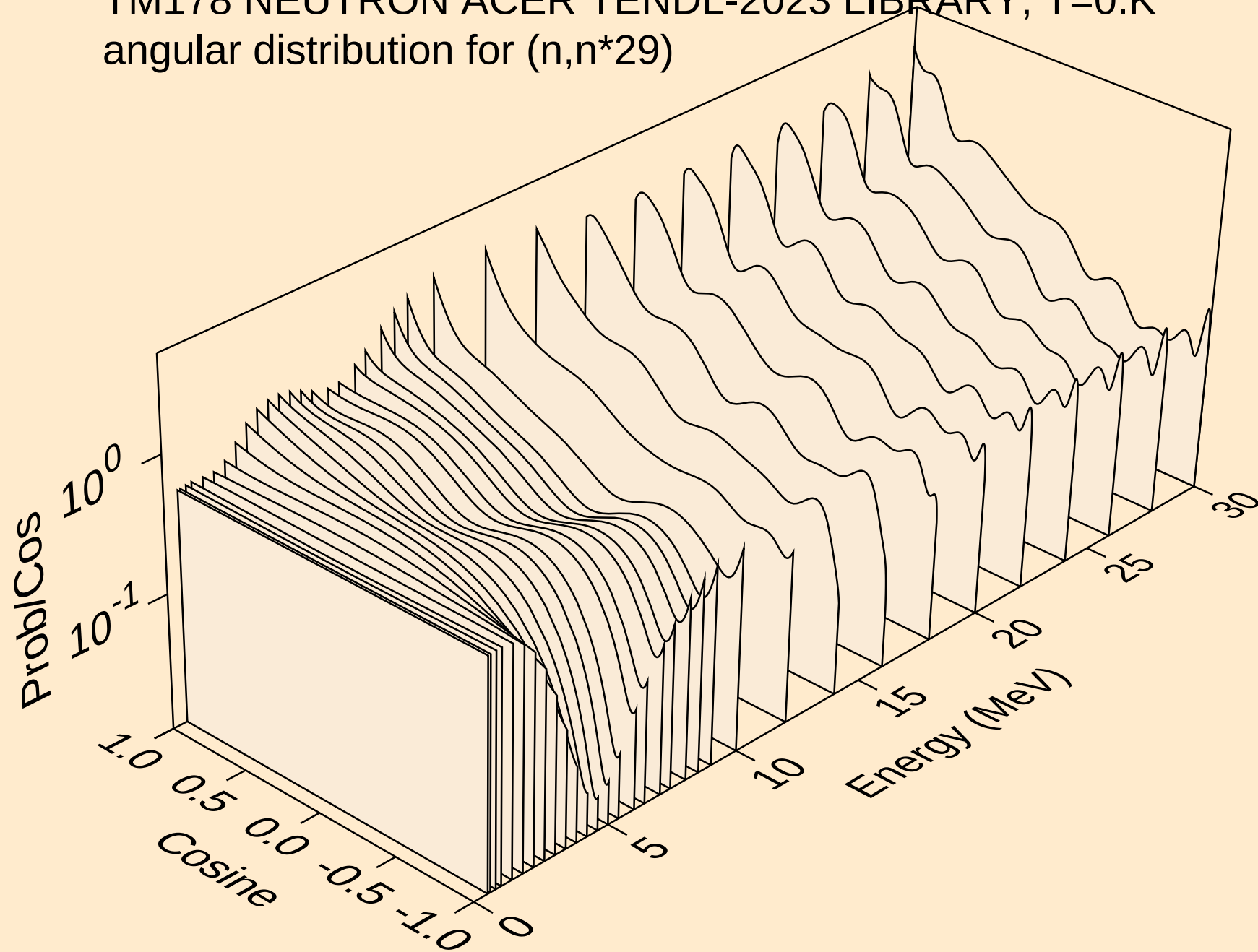
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



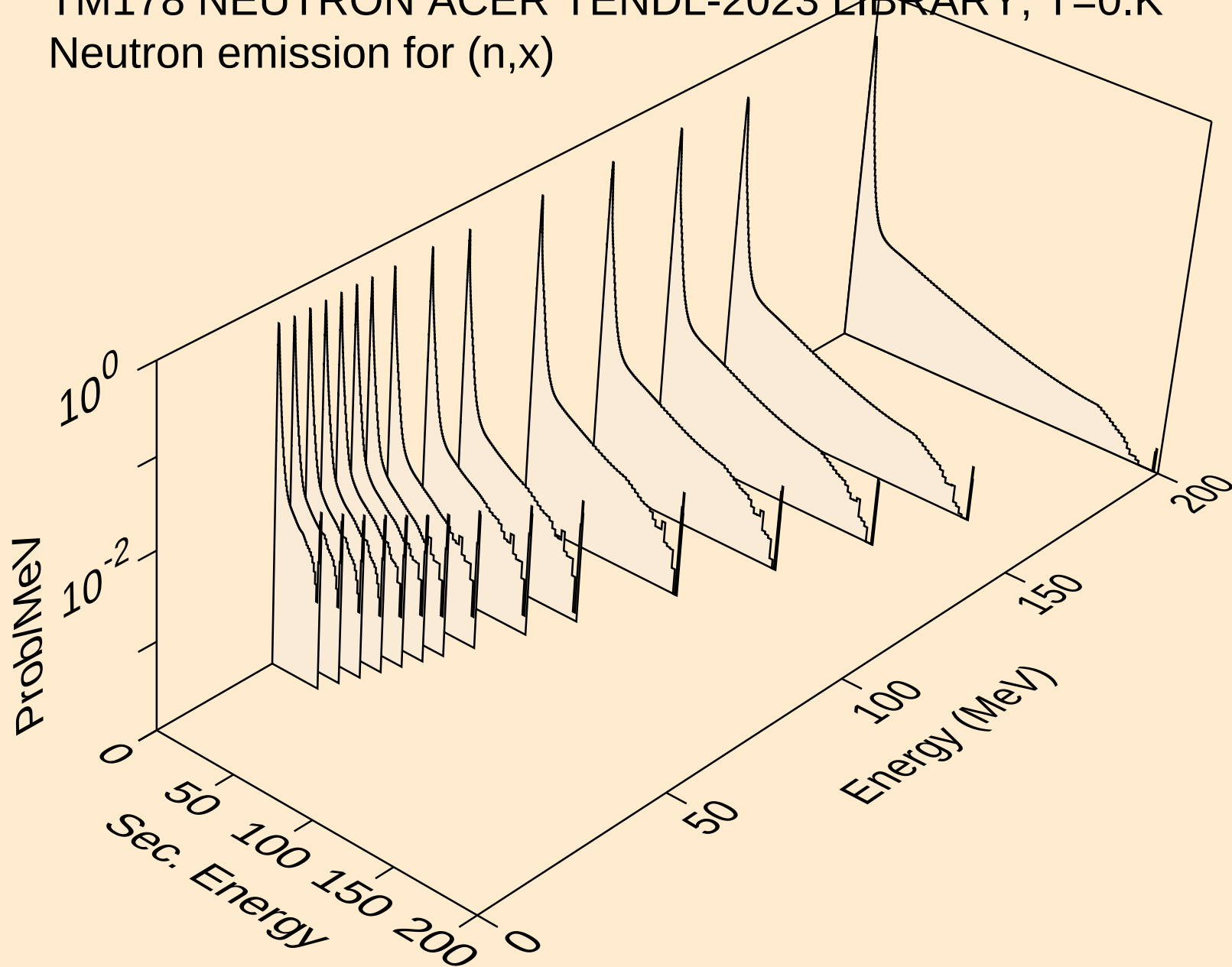
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



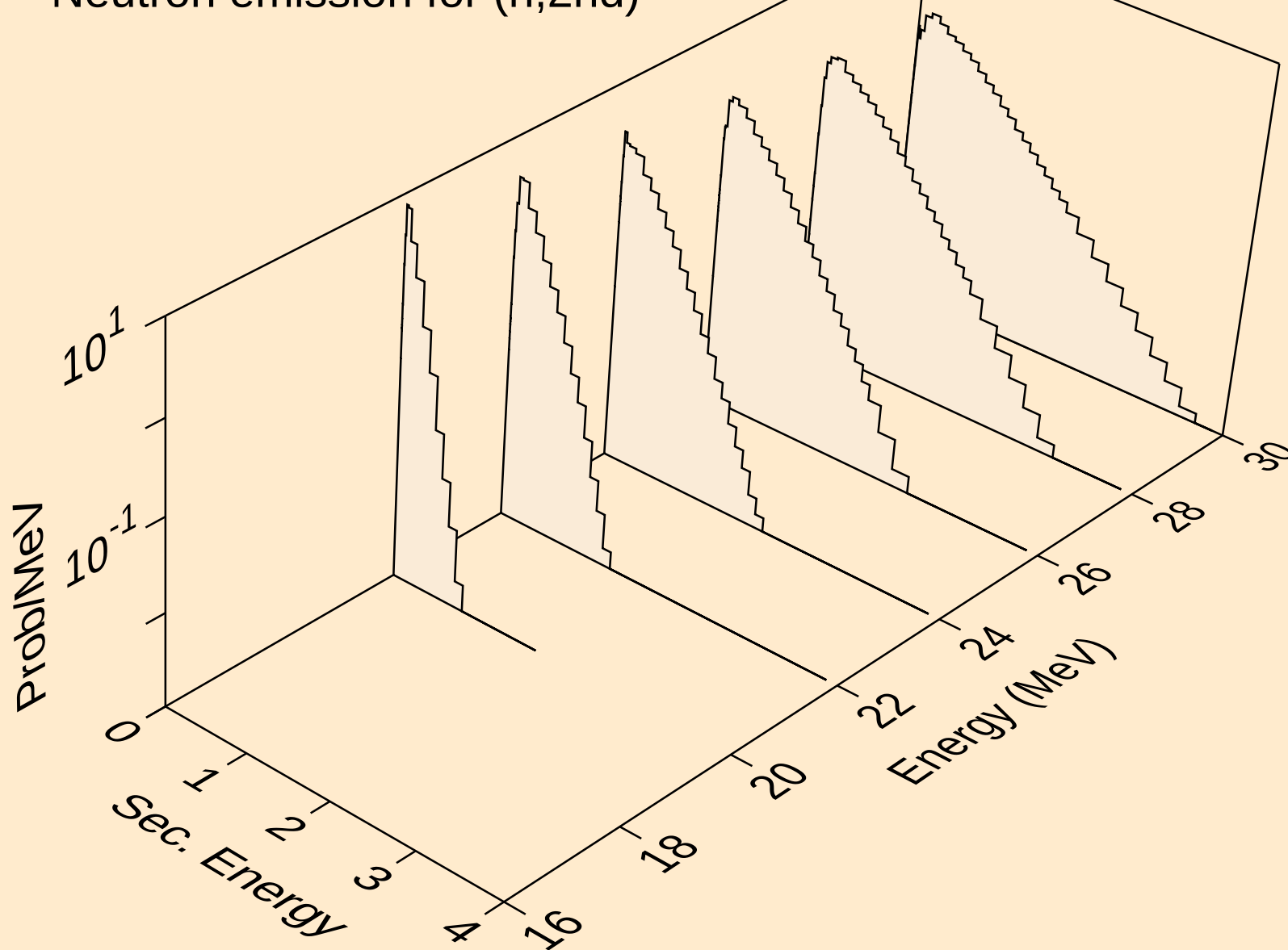
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



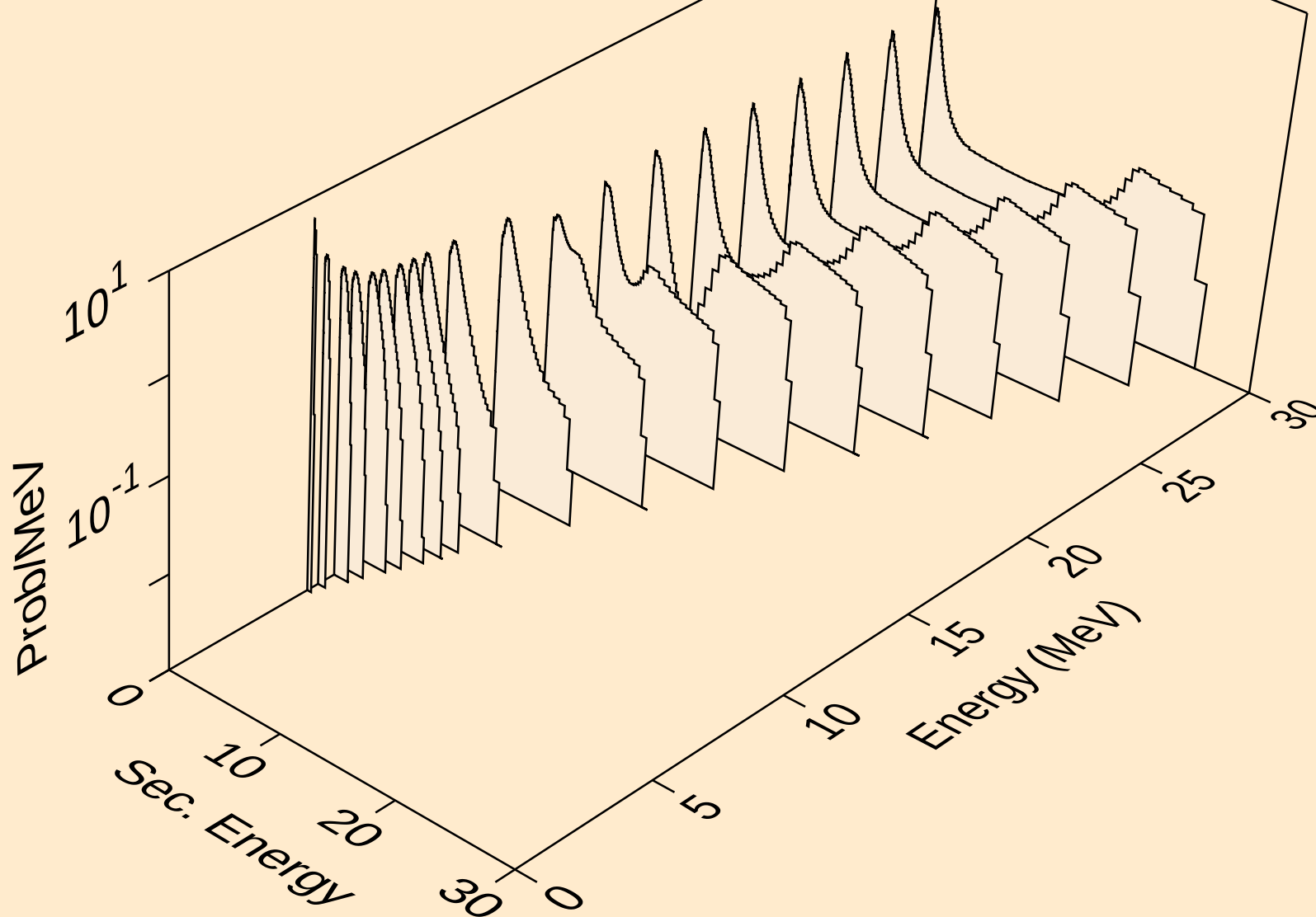
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



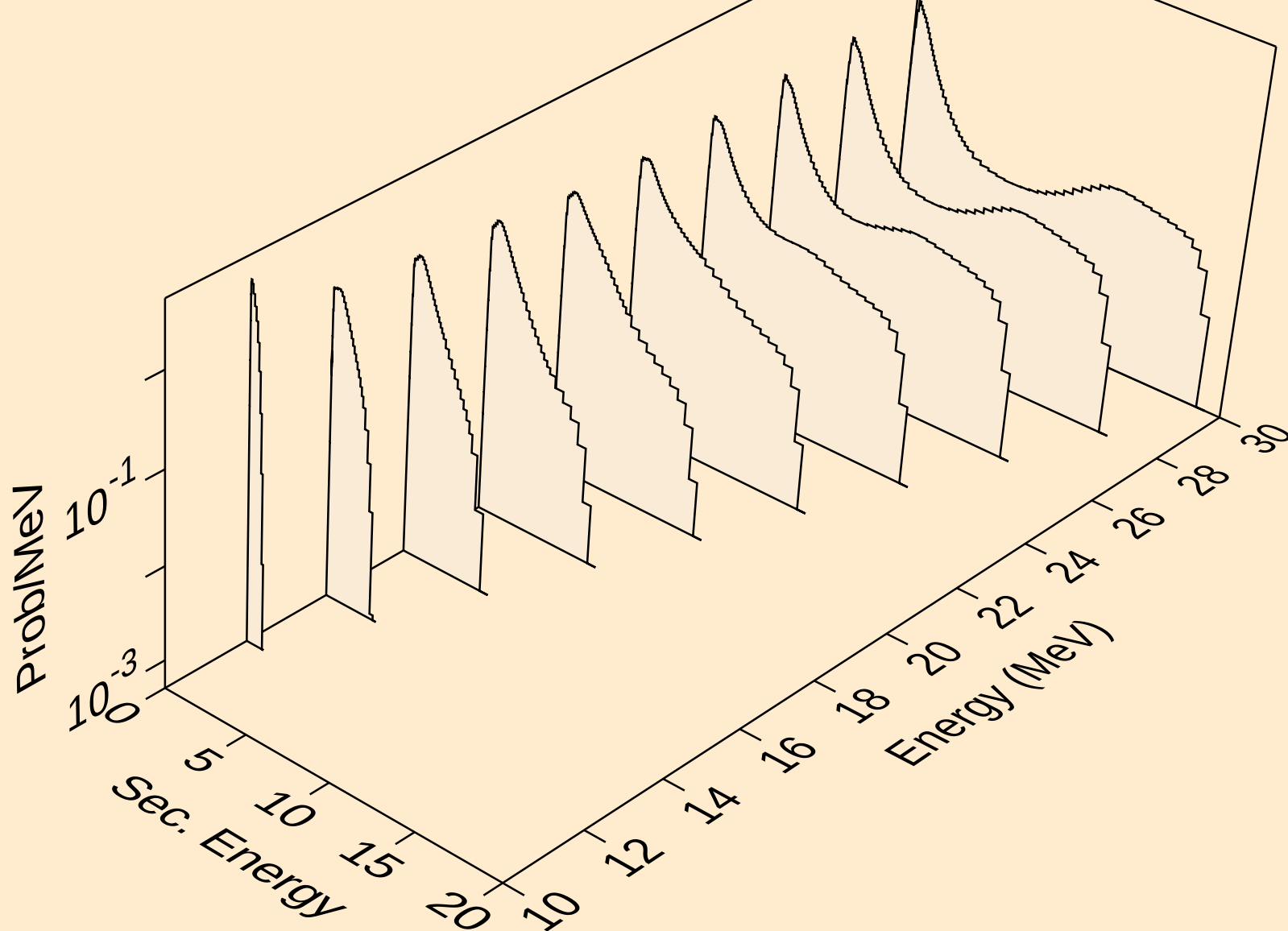
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



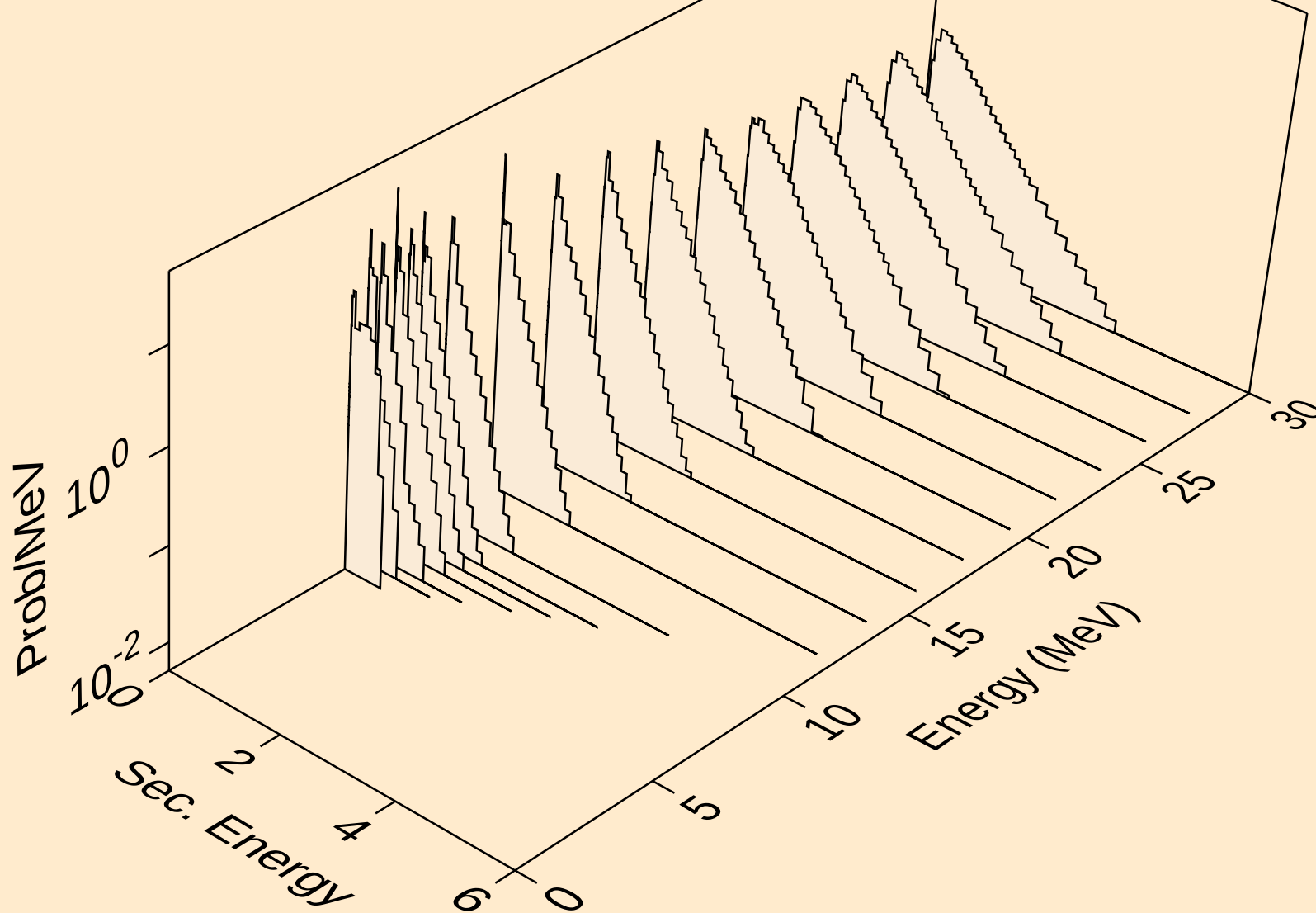
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



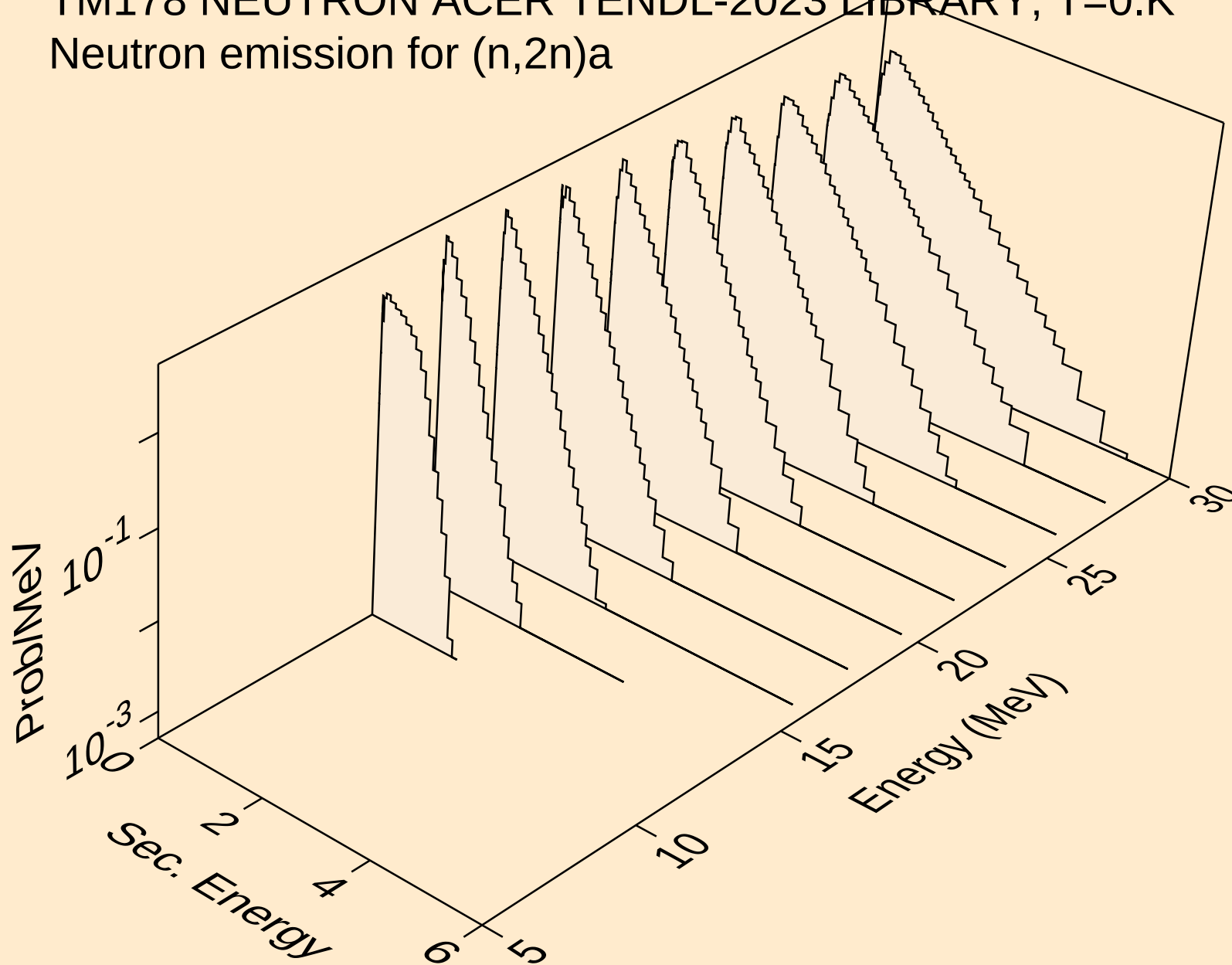
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



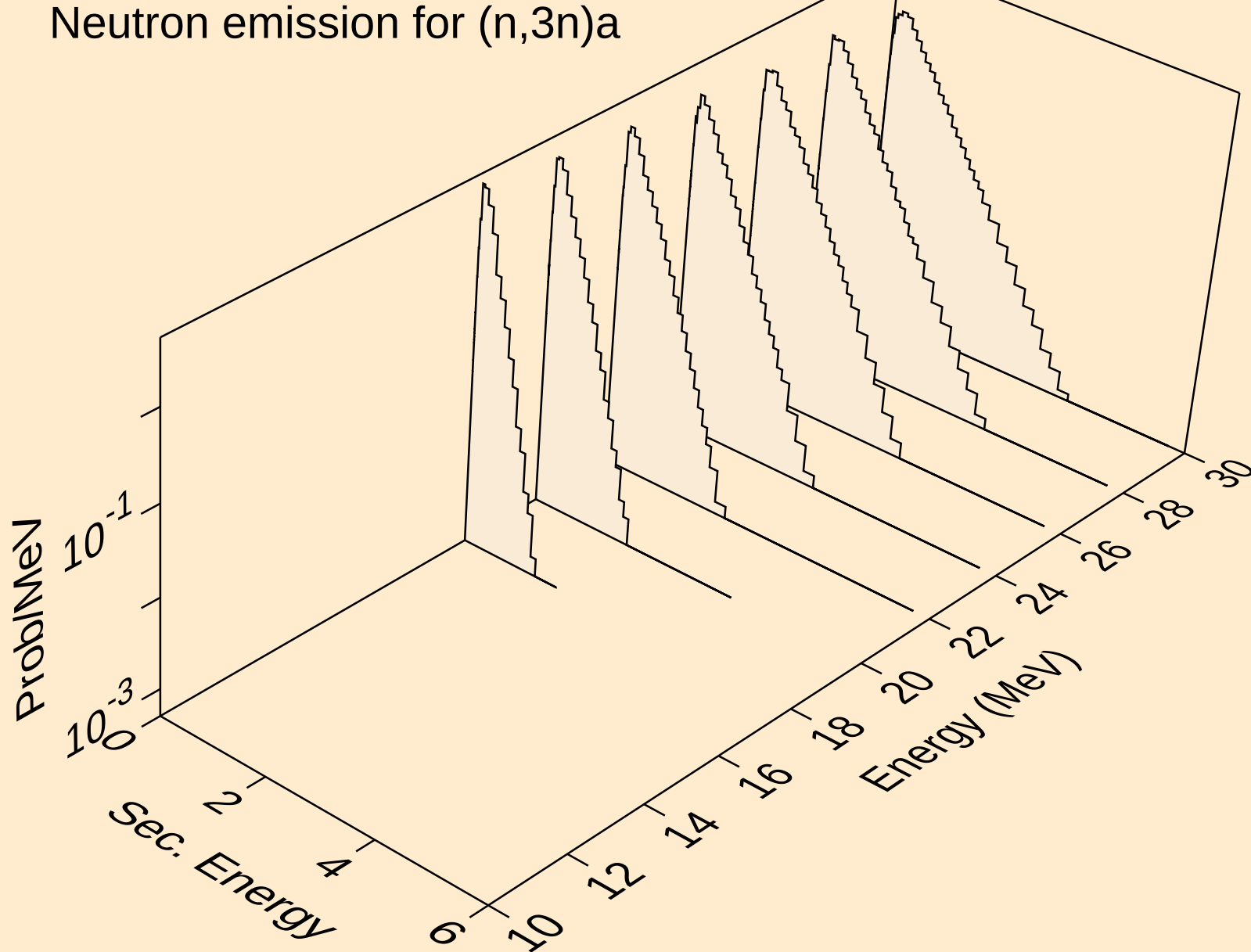
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



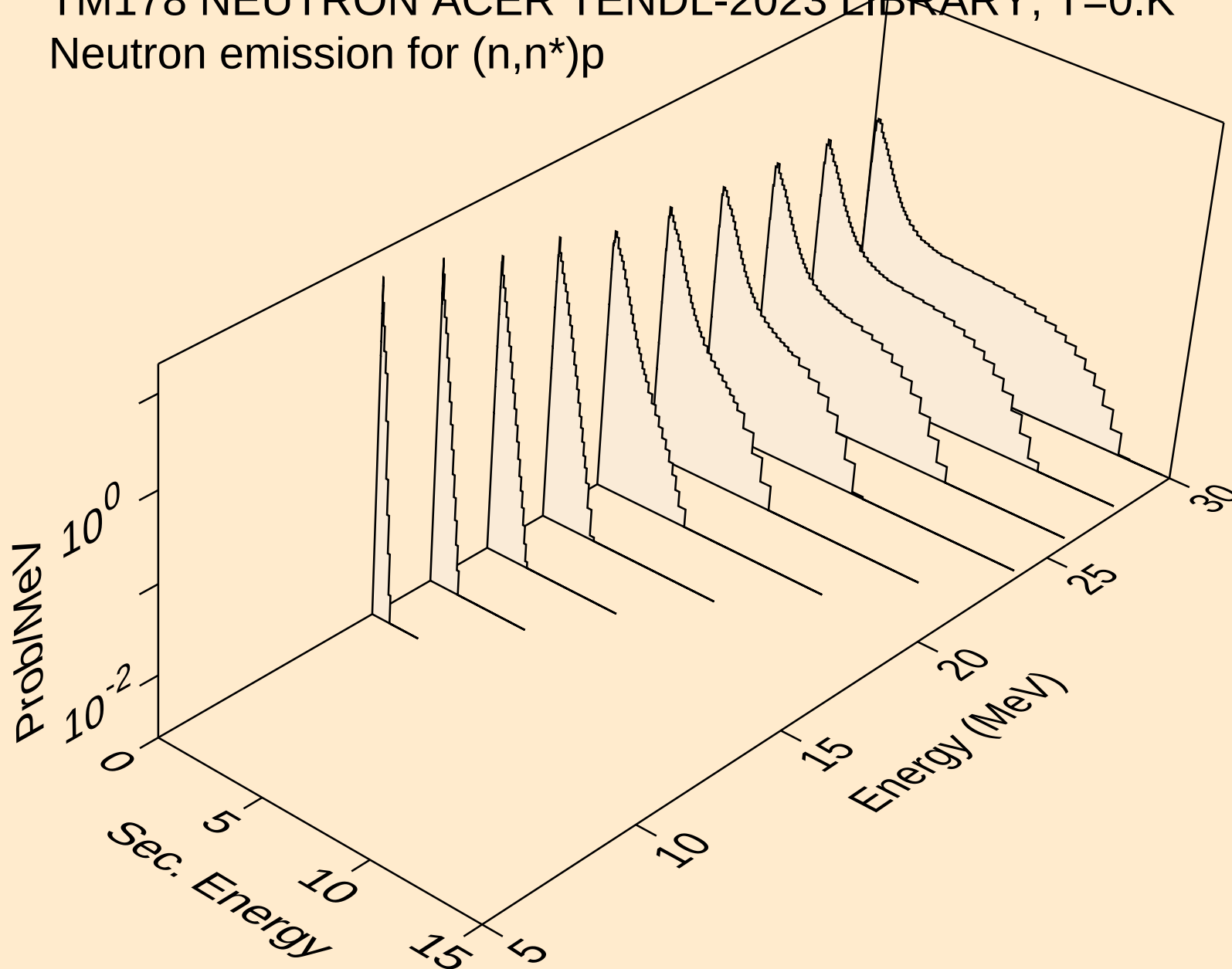
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



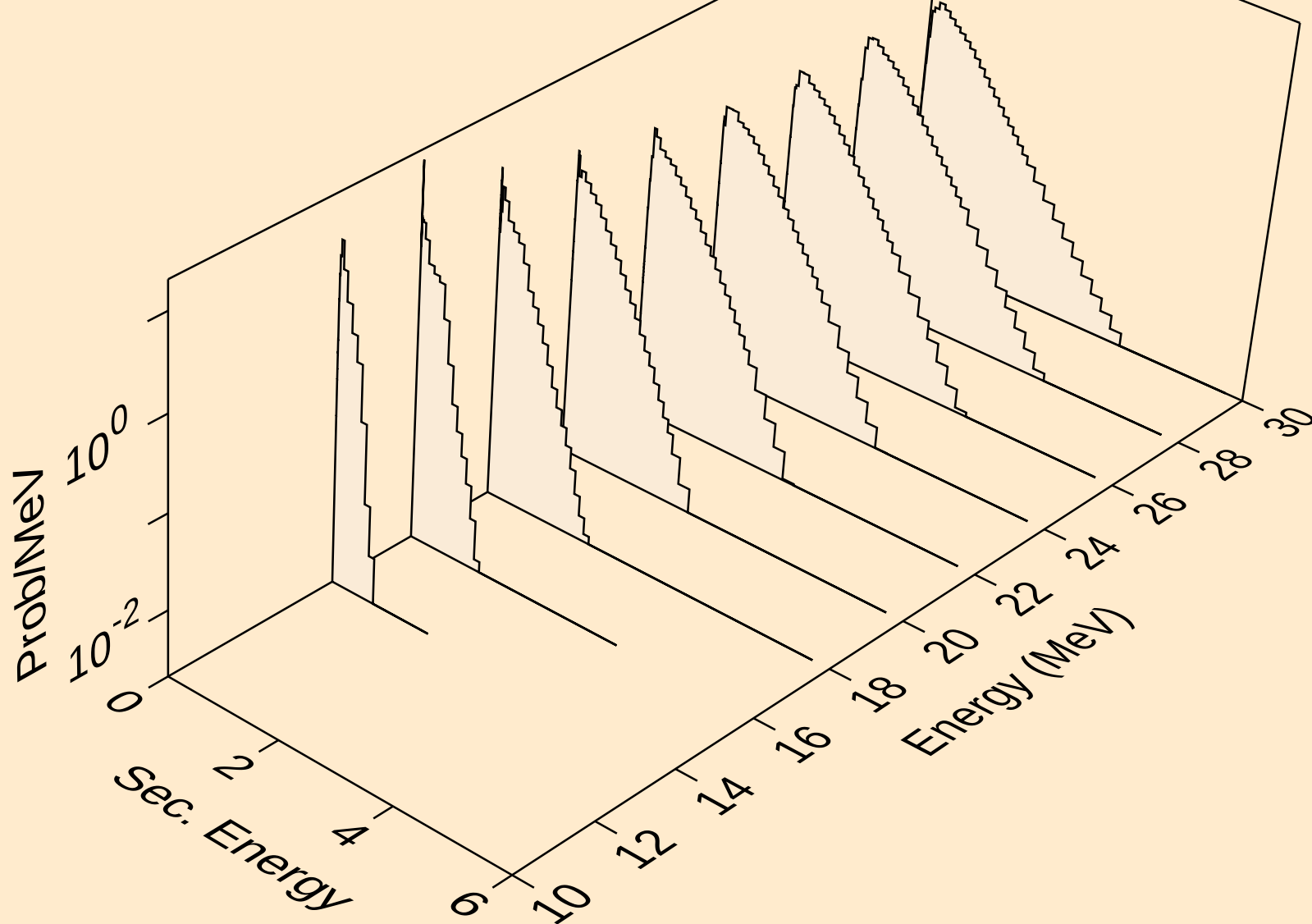
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



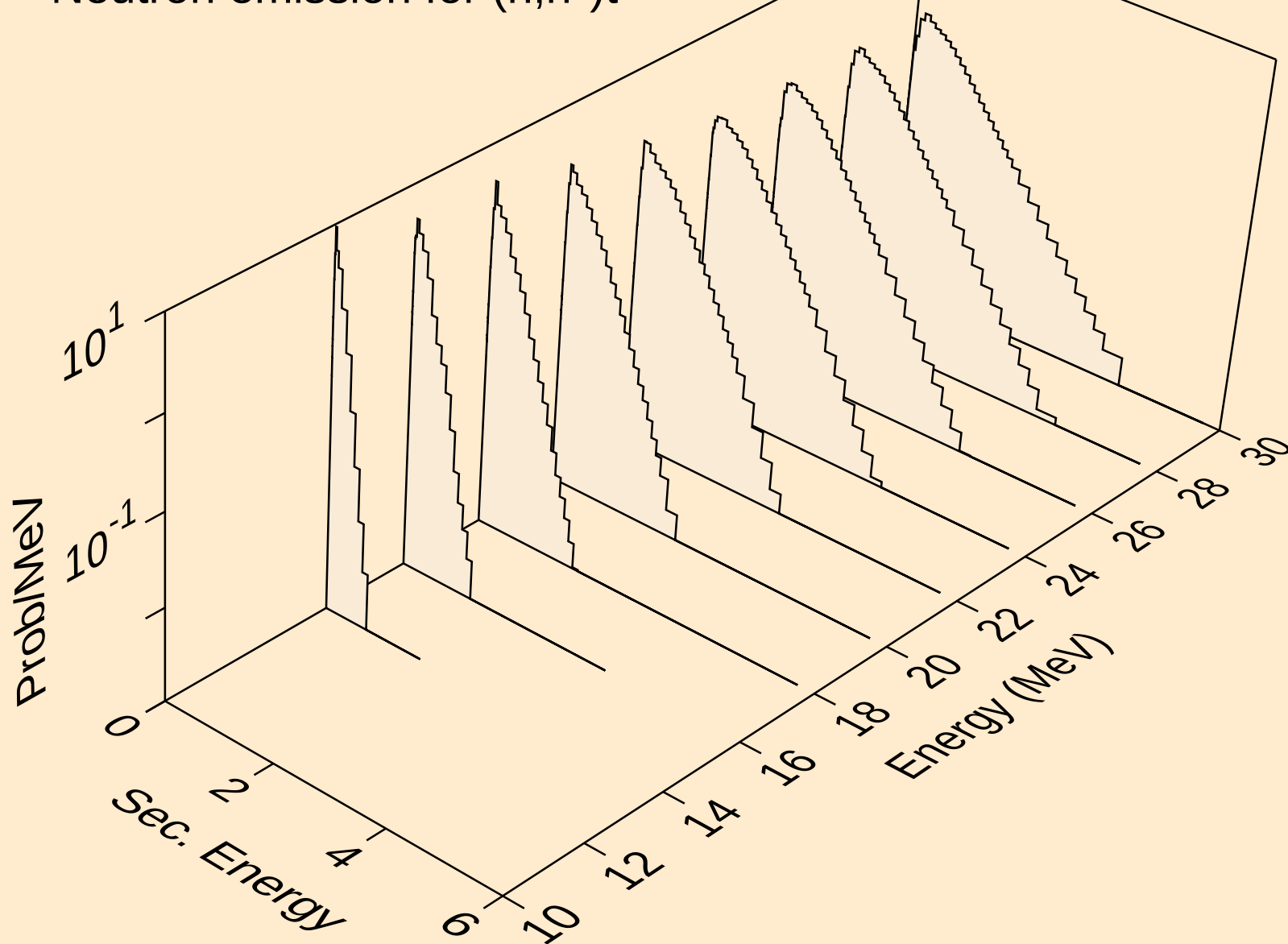
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



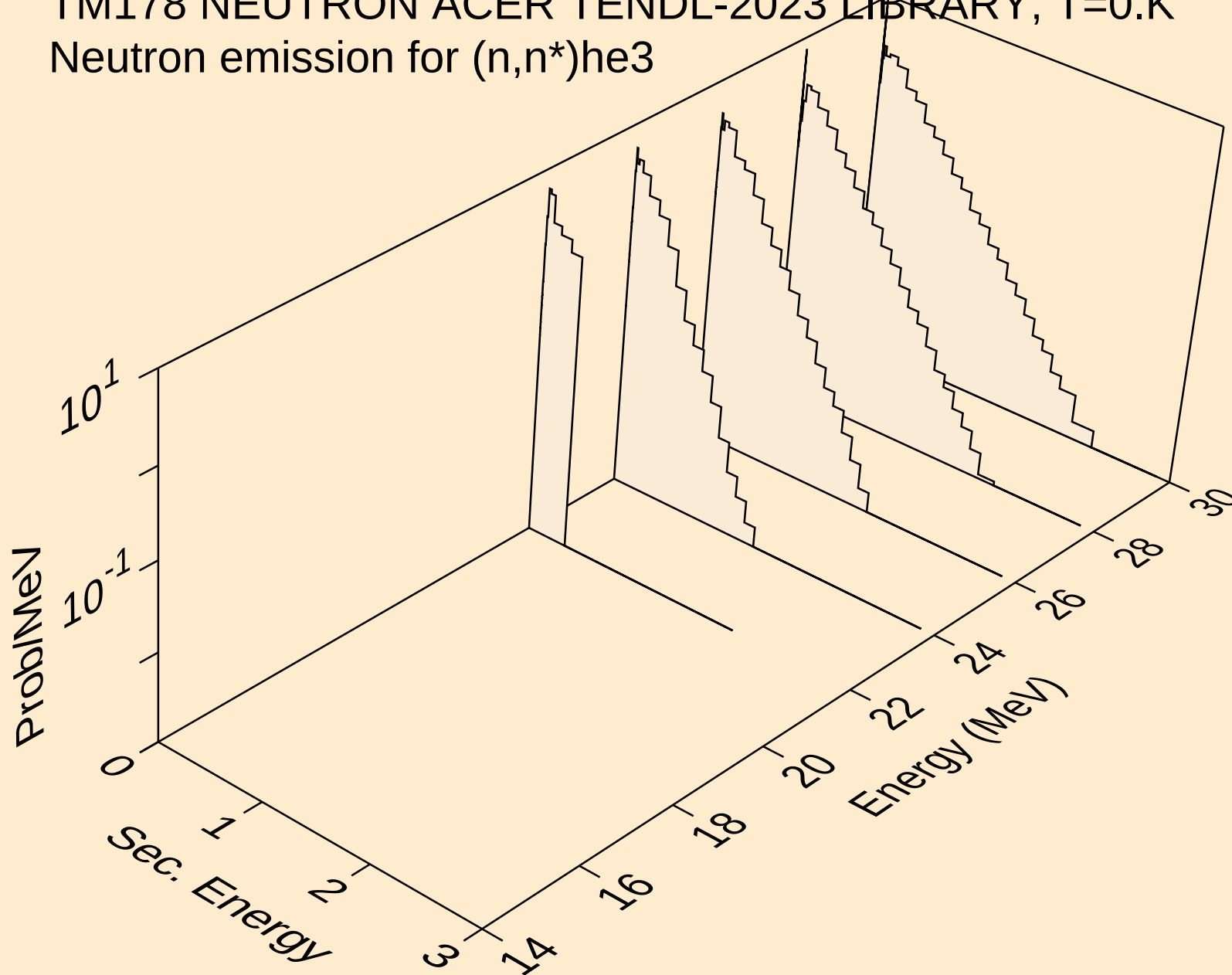
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



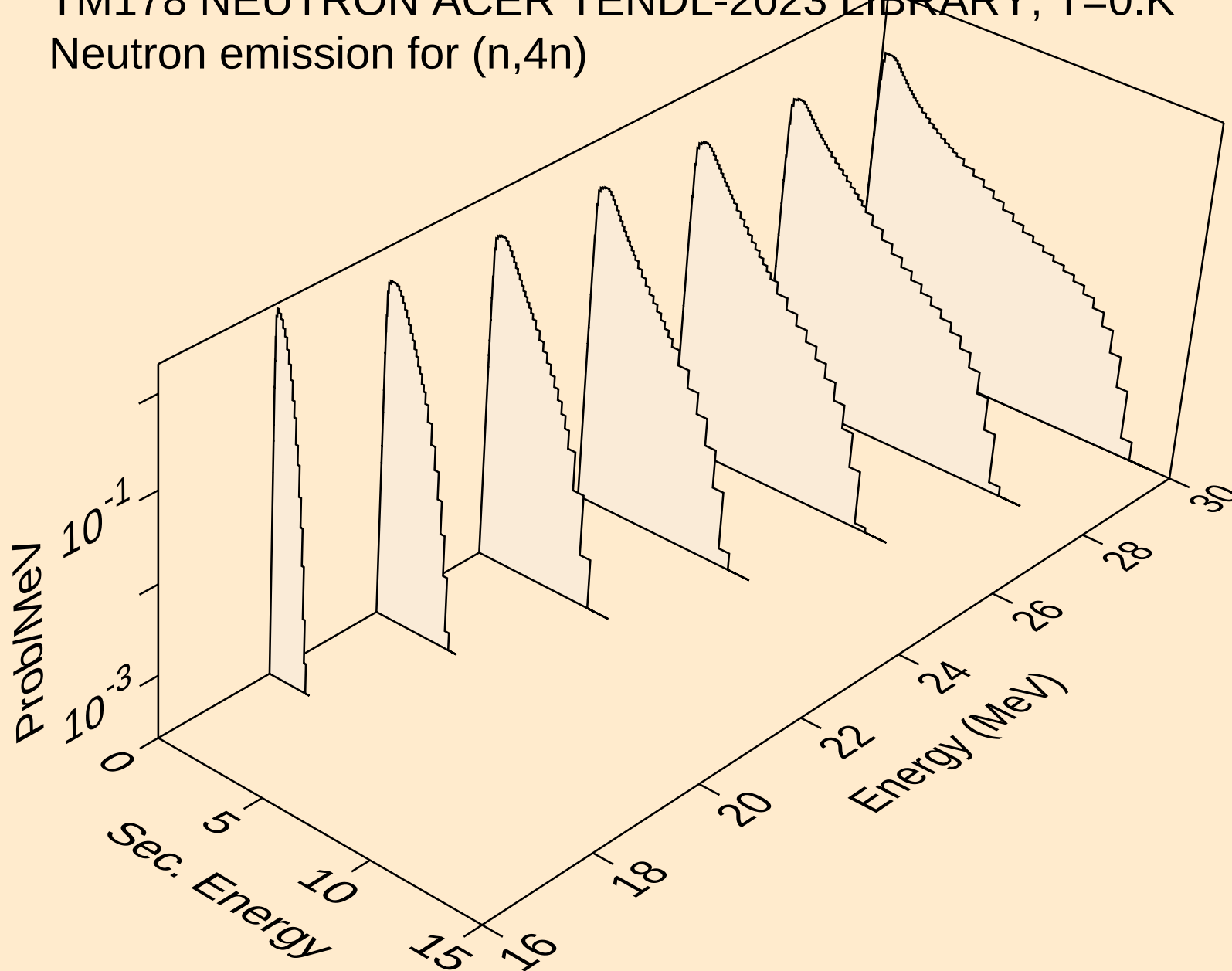
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



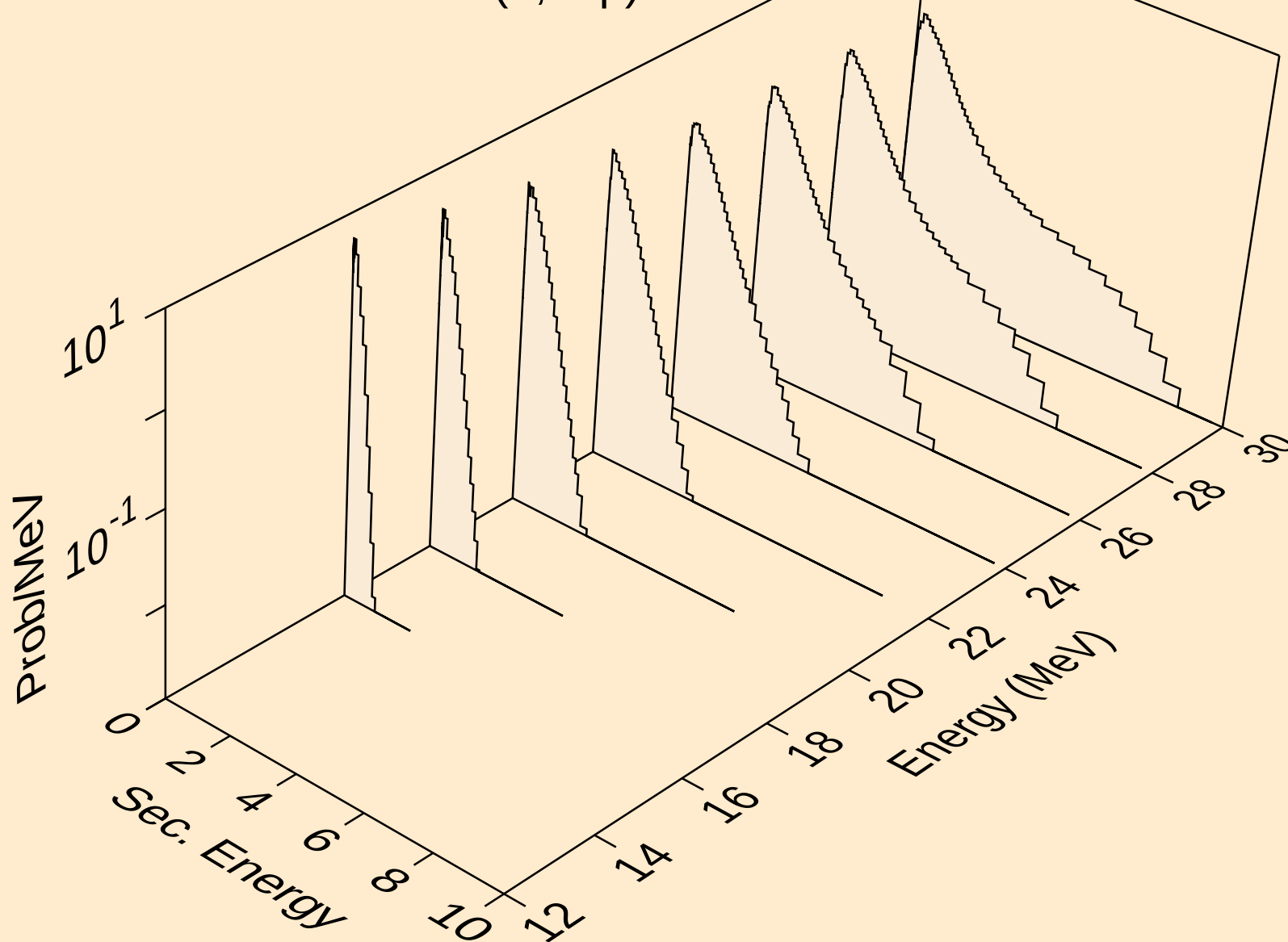
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



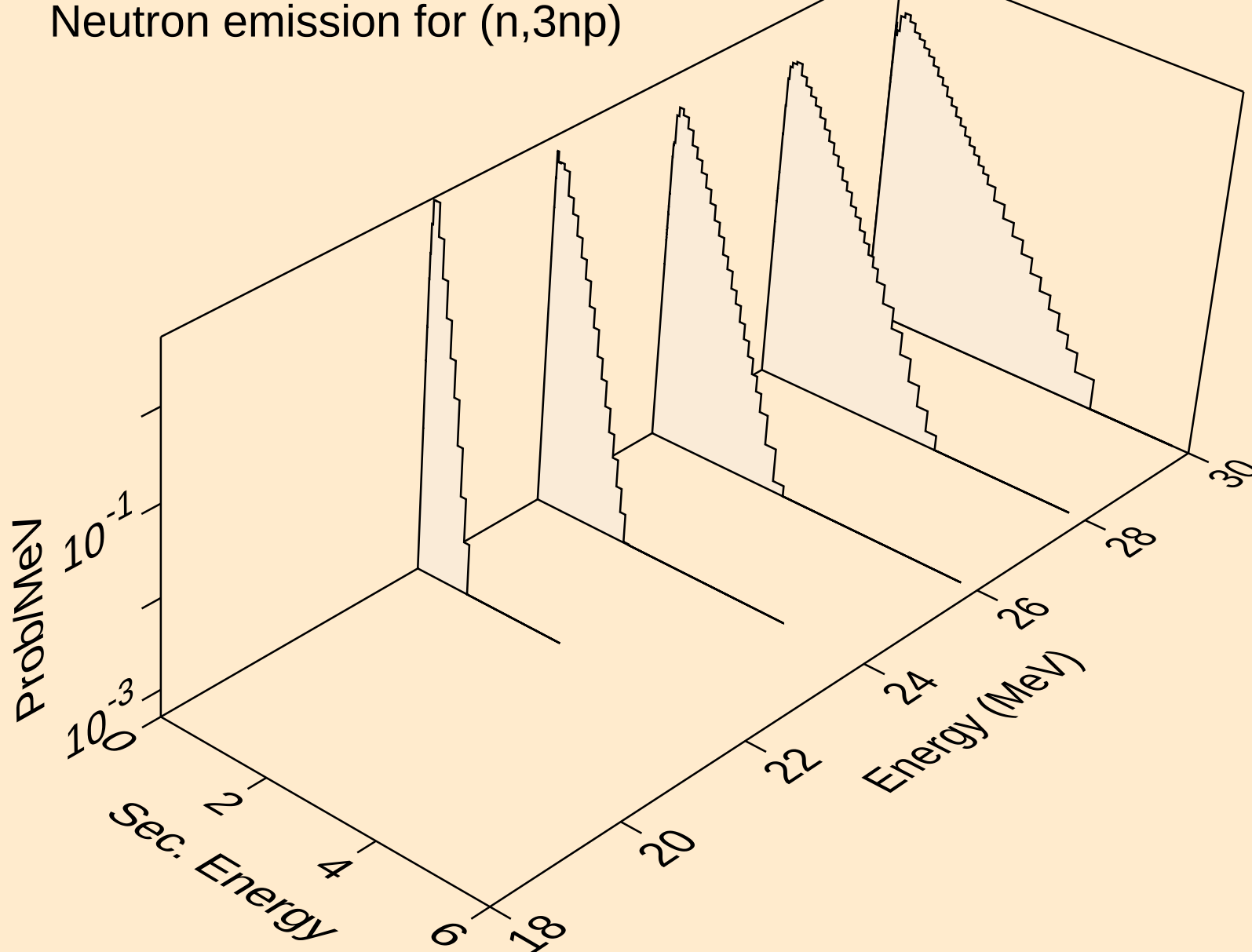
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



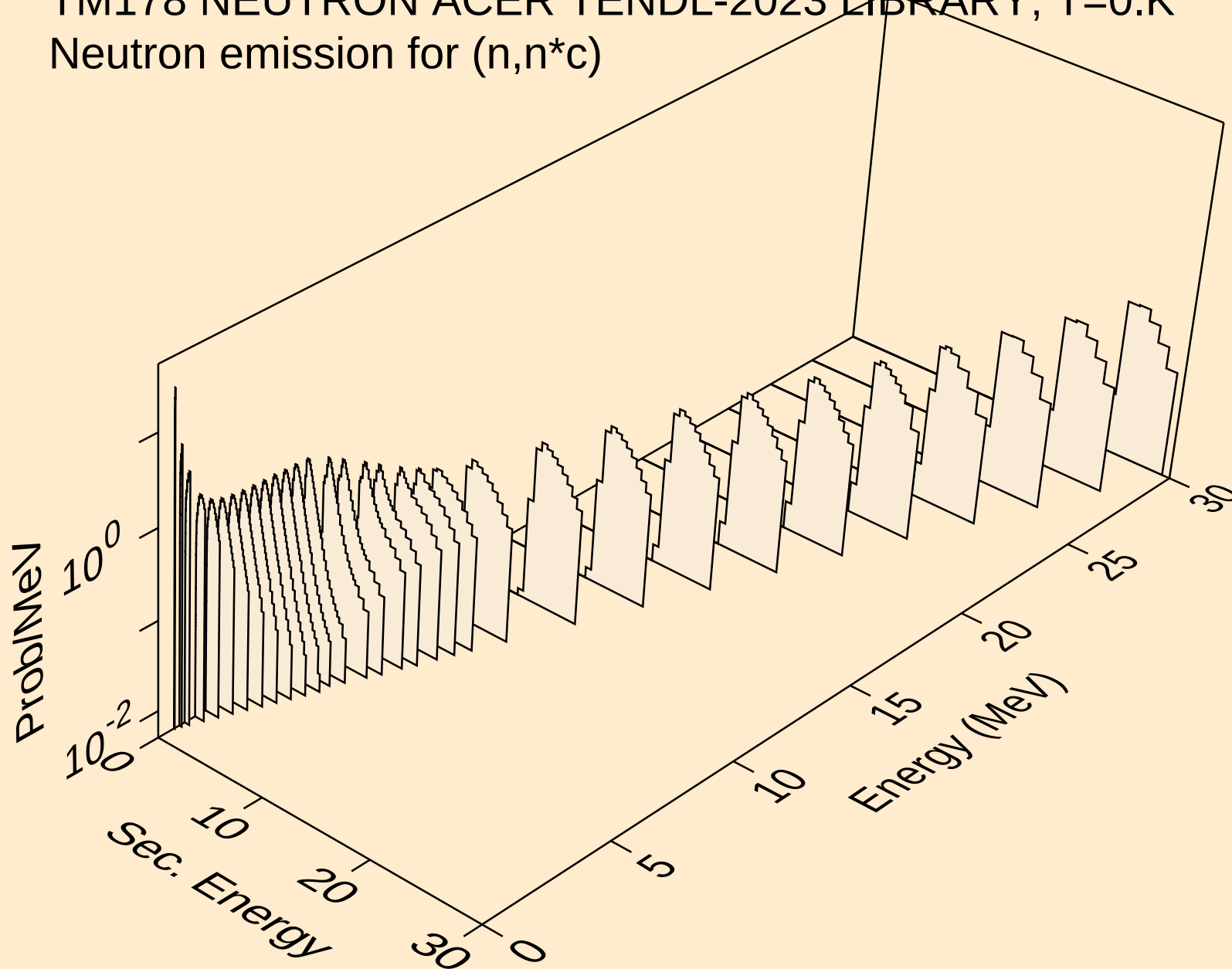
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



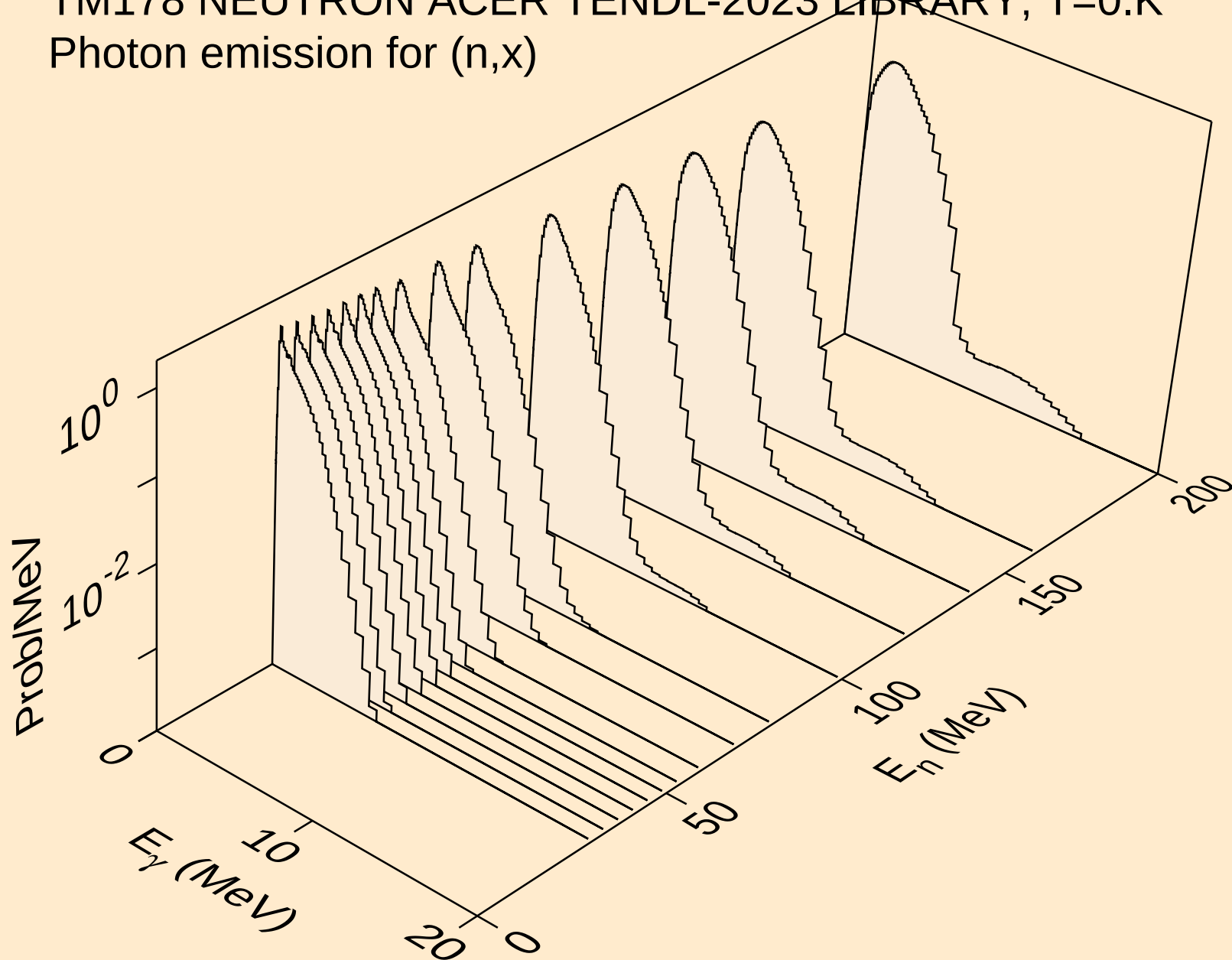
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



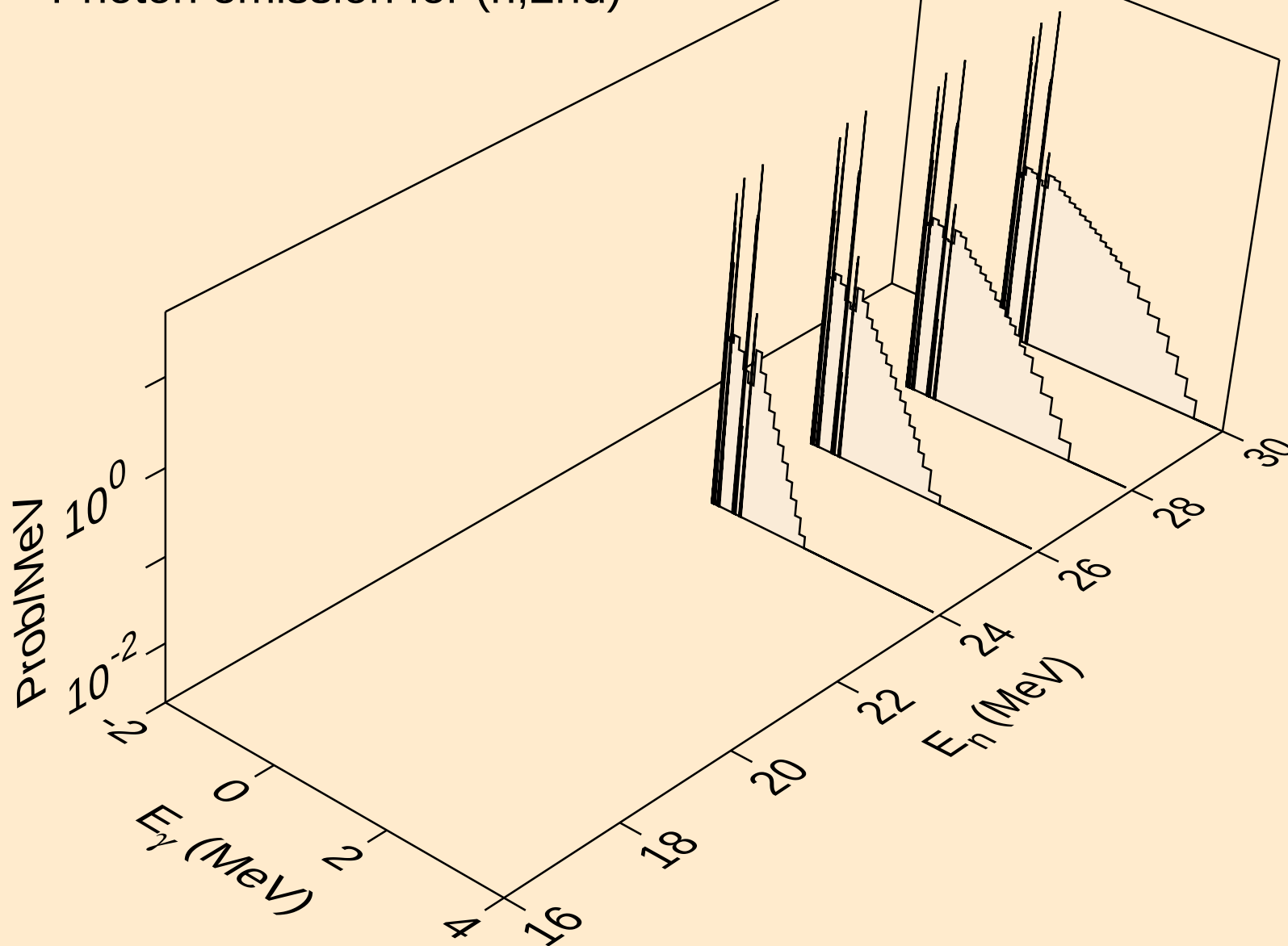
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



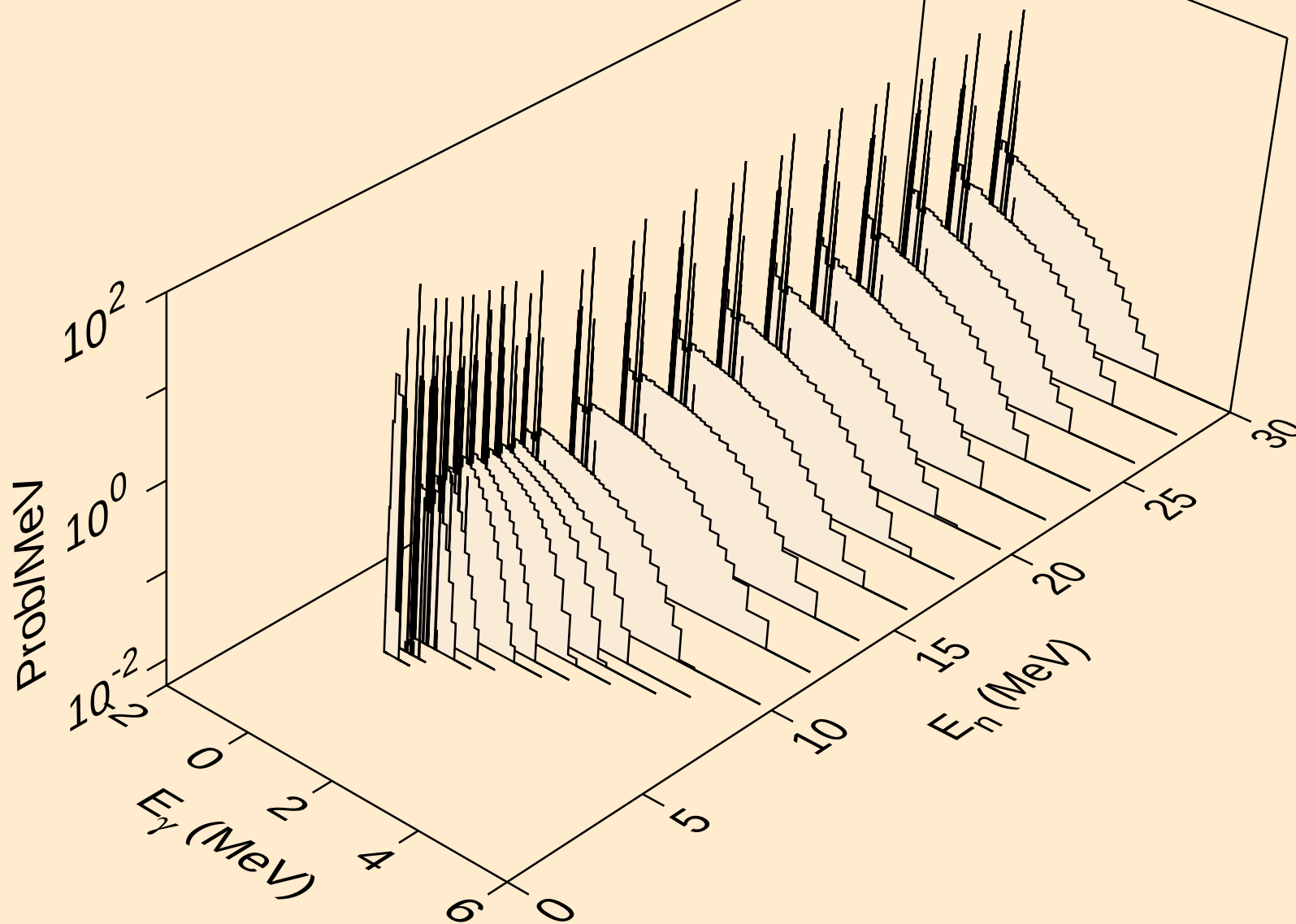
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



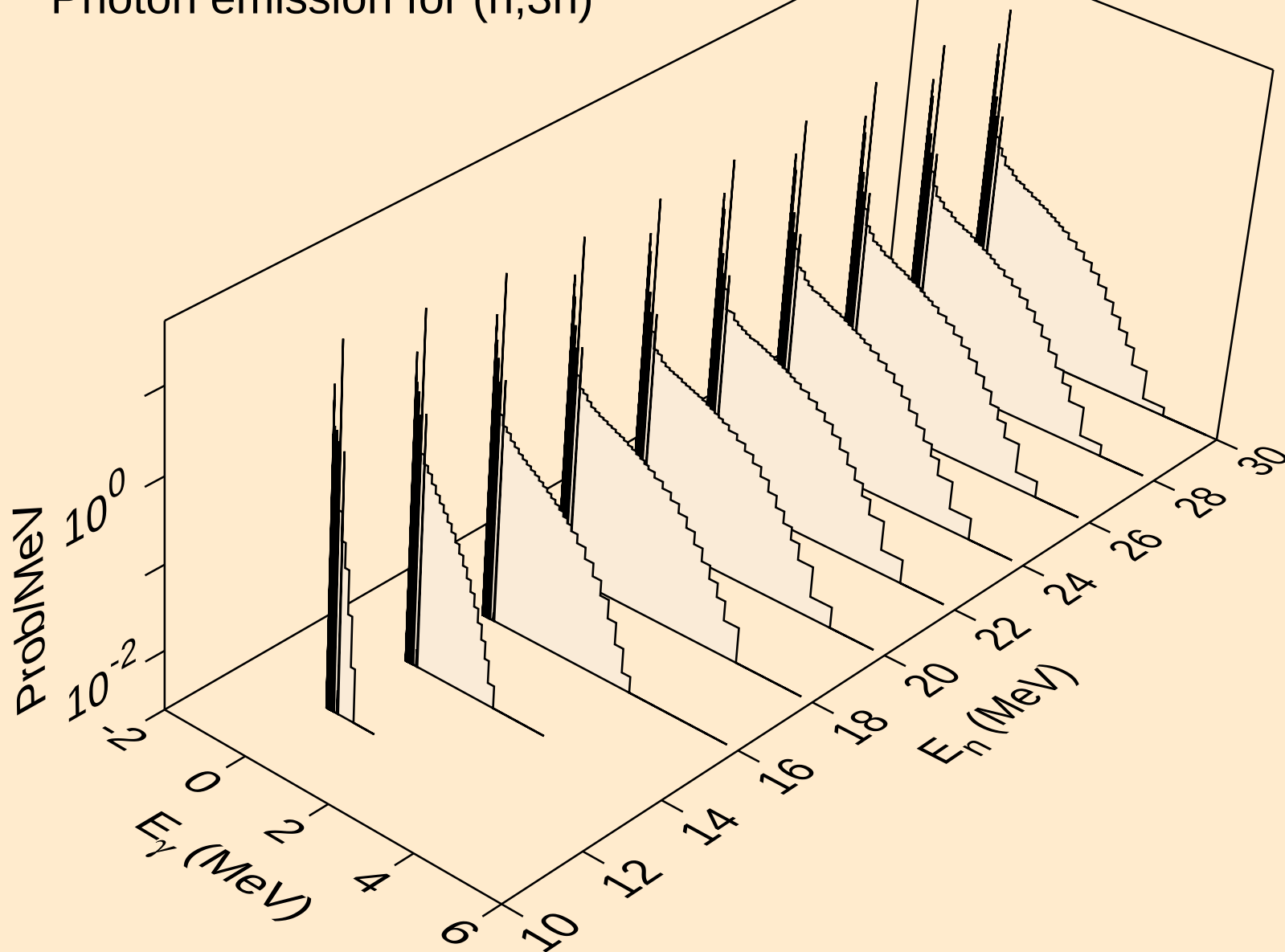
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



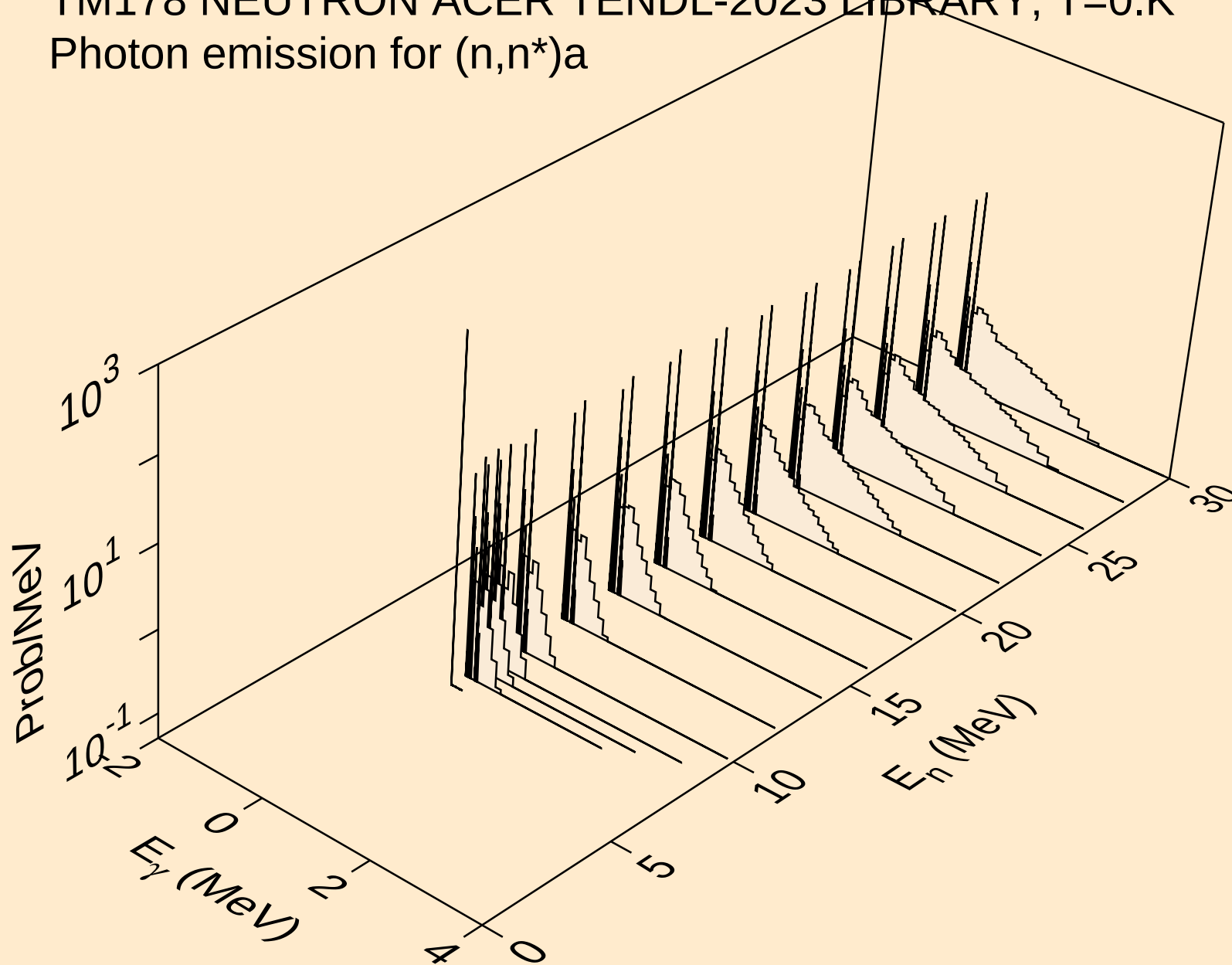
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



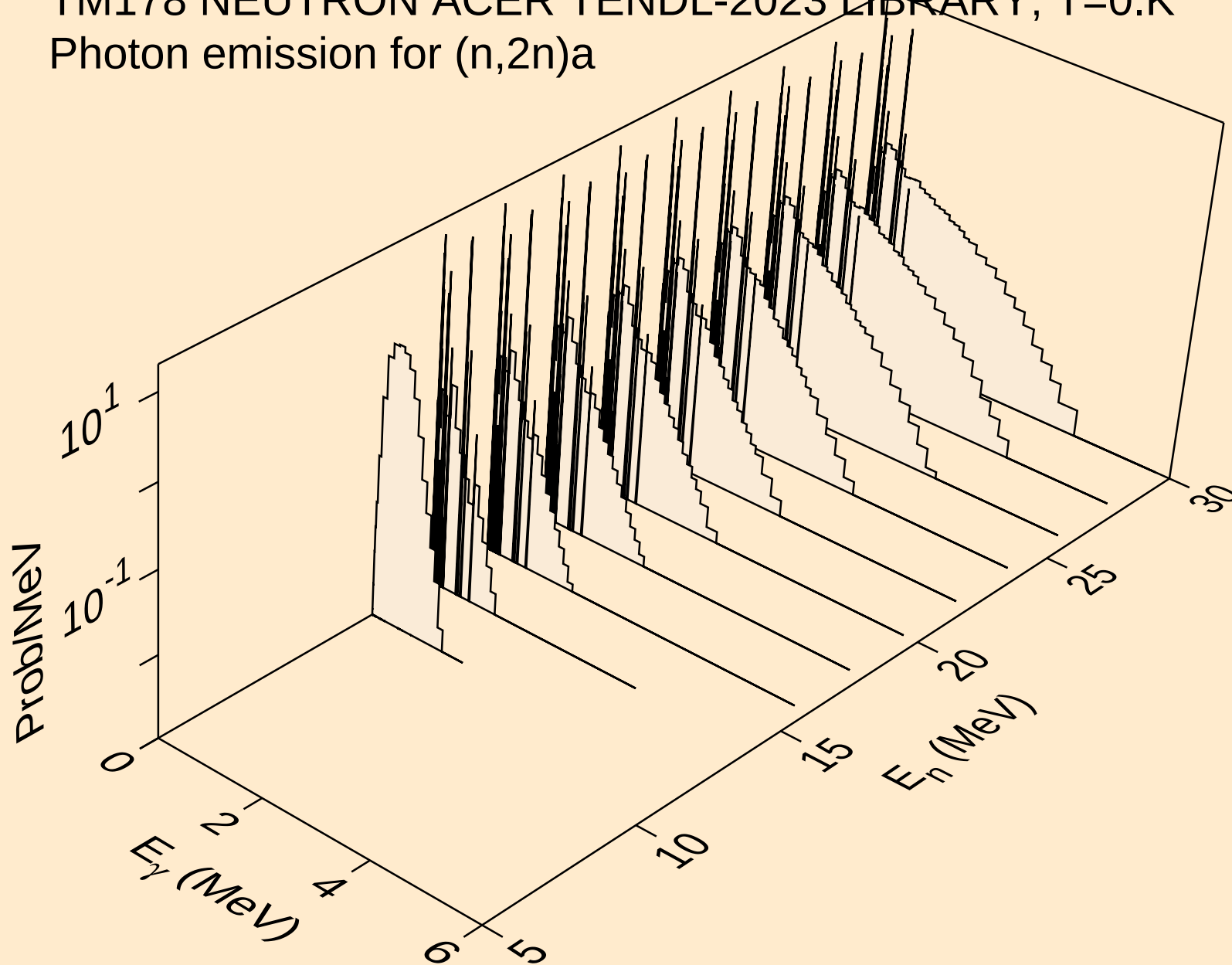
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



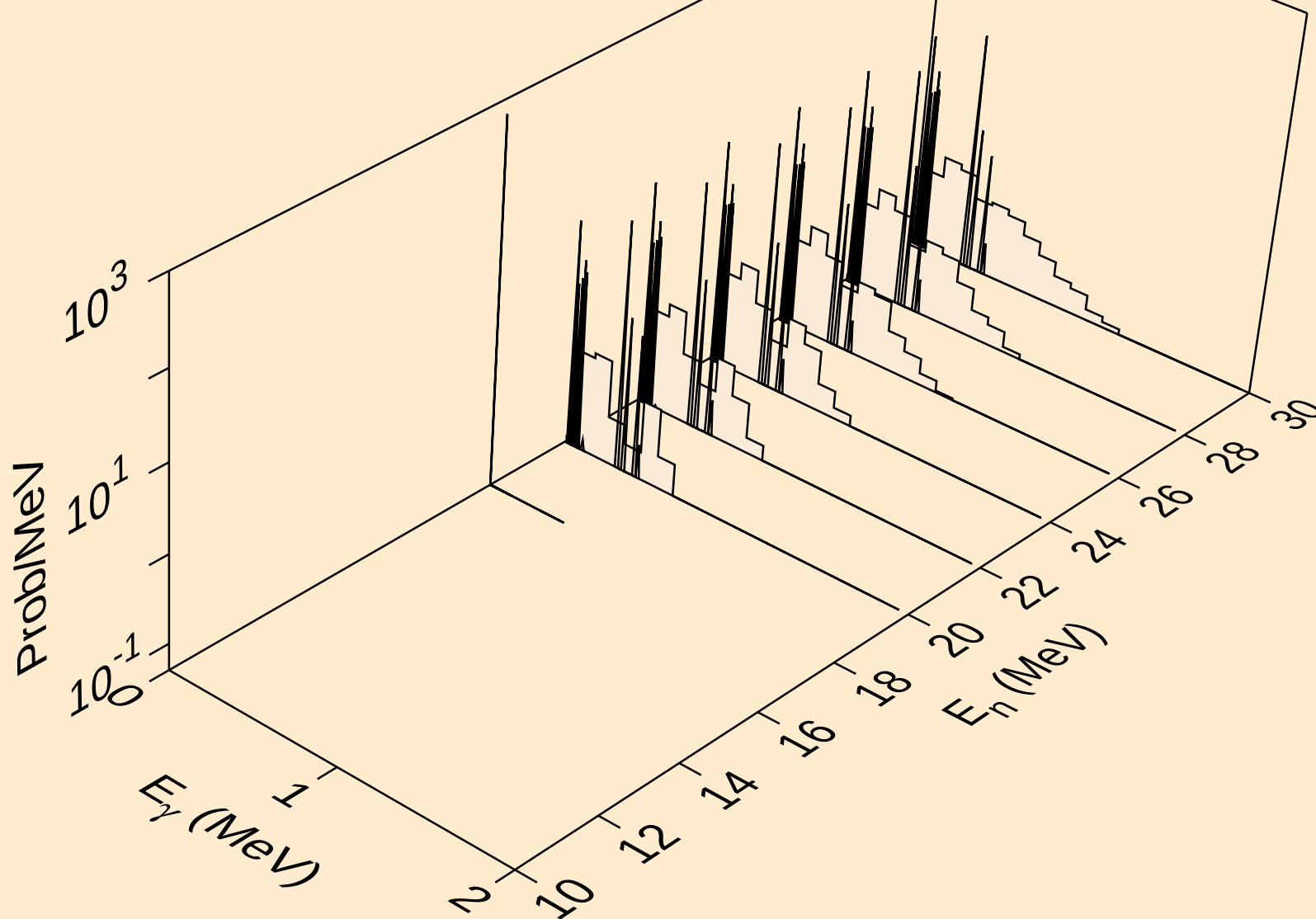
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$

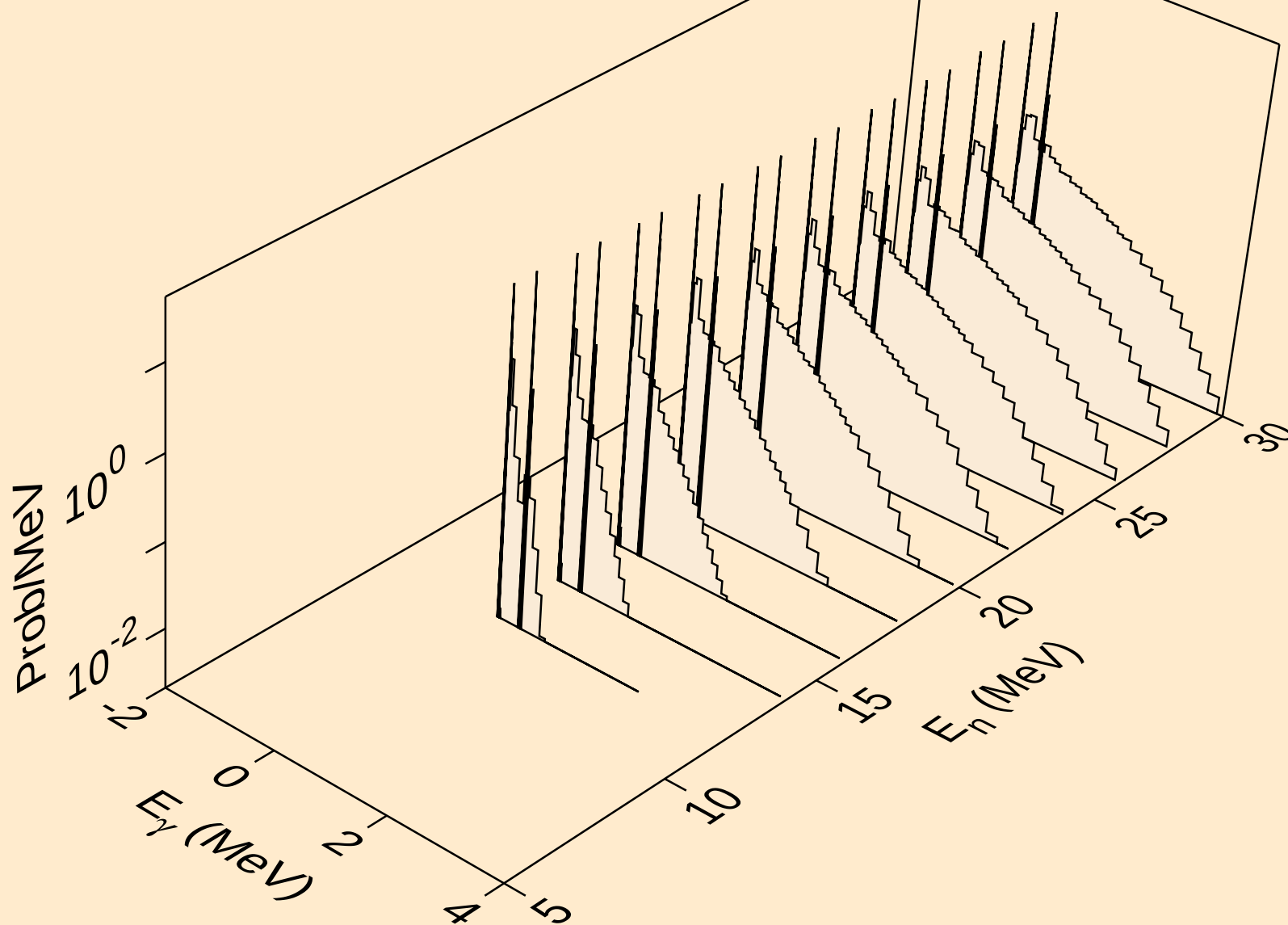


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

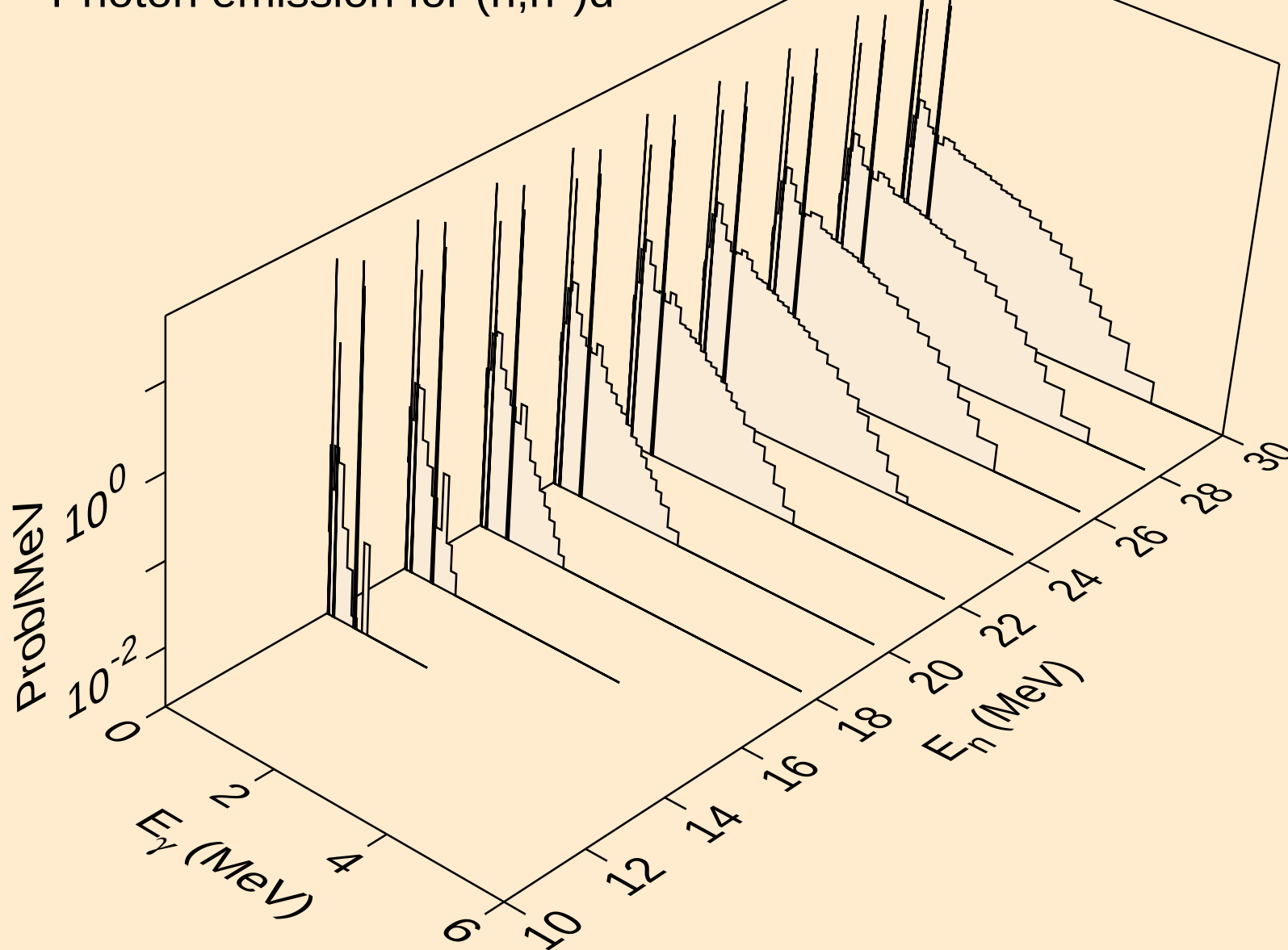


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

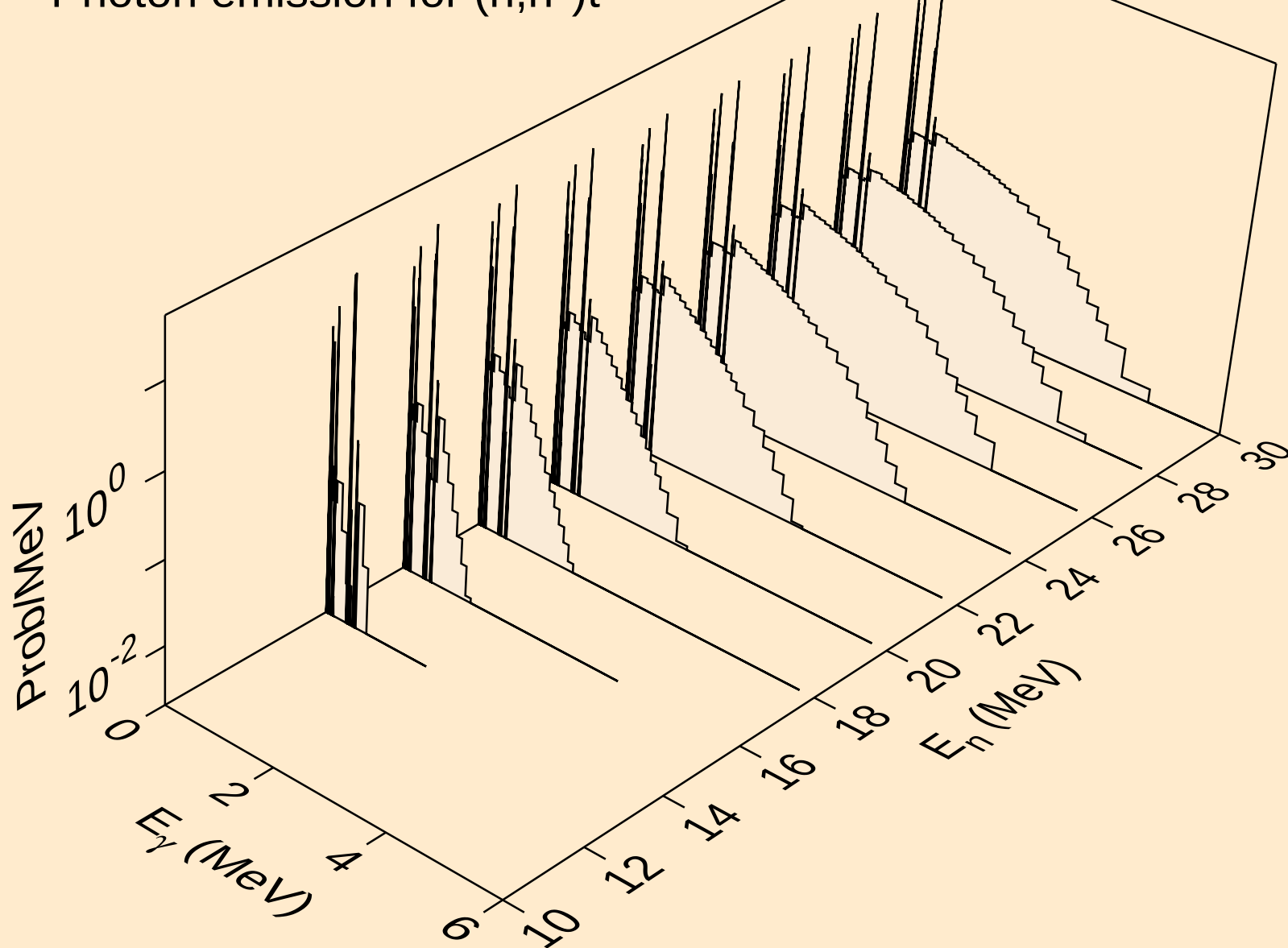
Photon emission for (n,n\*)p



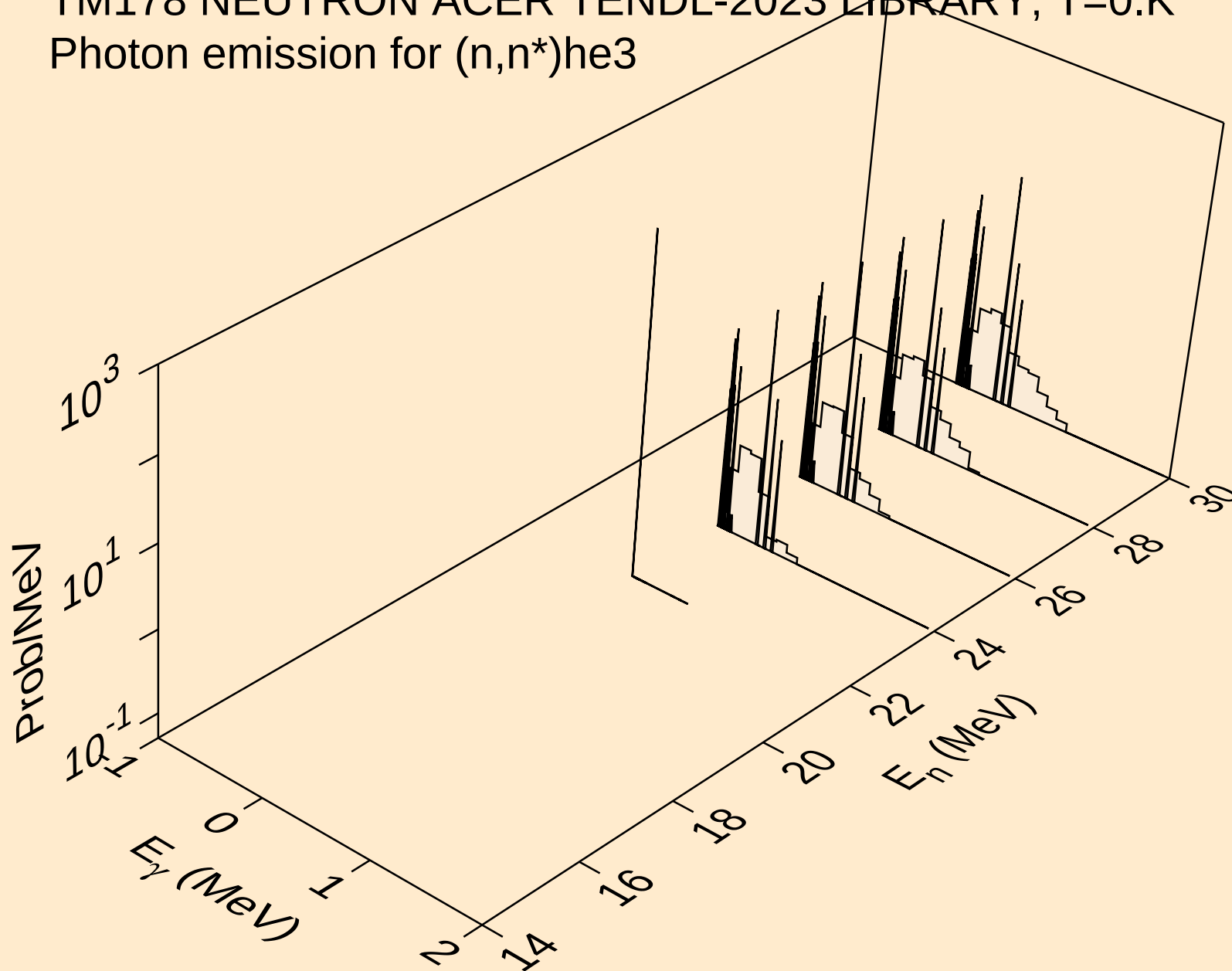
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



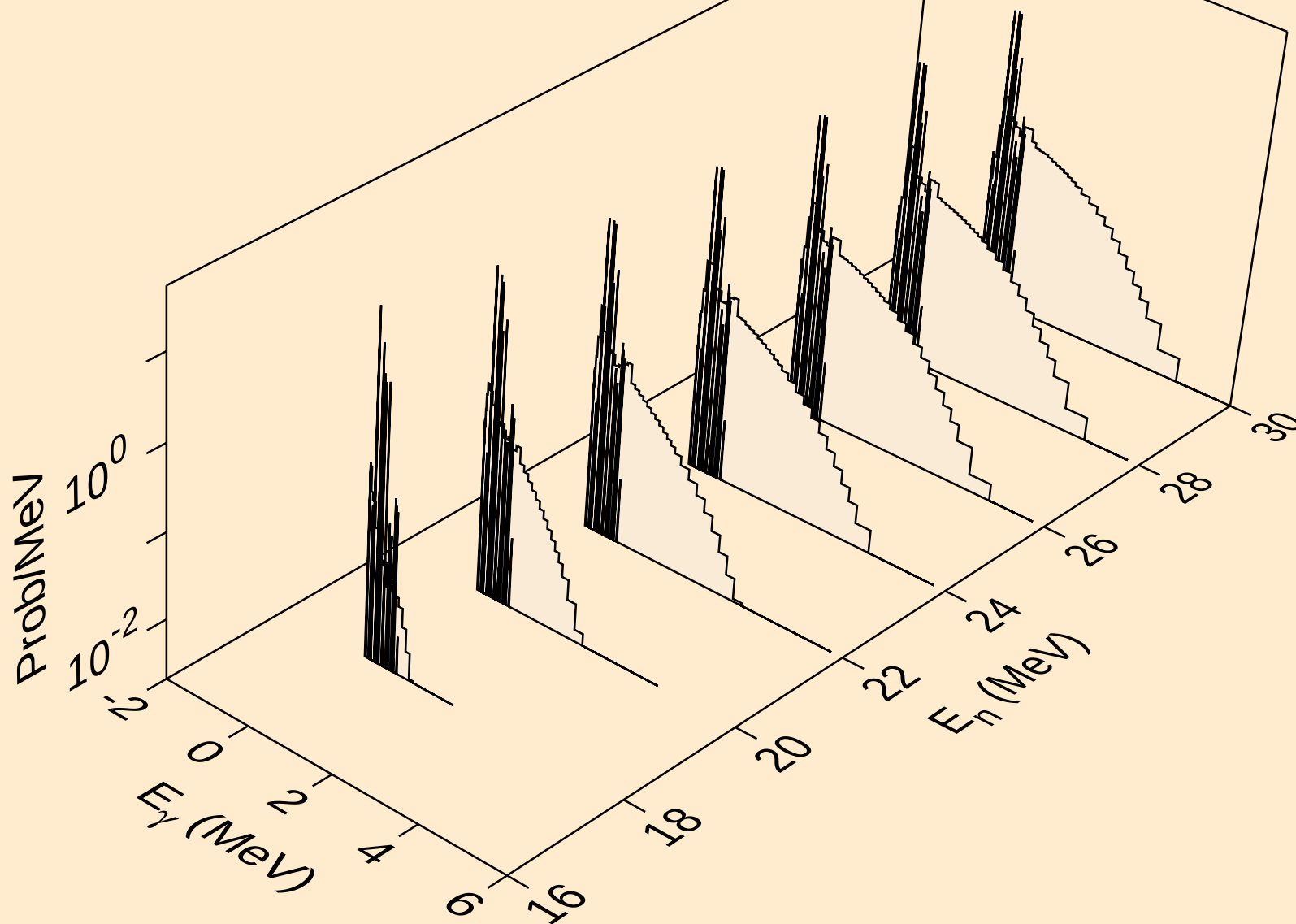
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



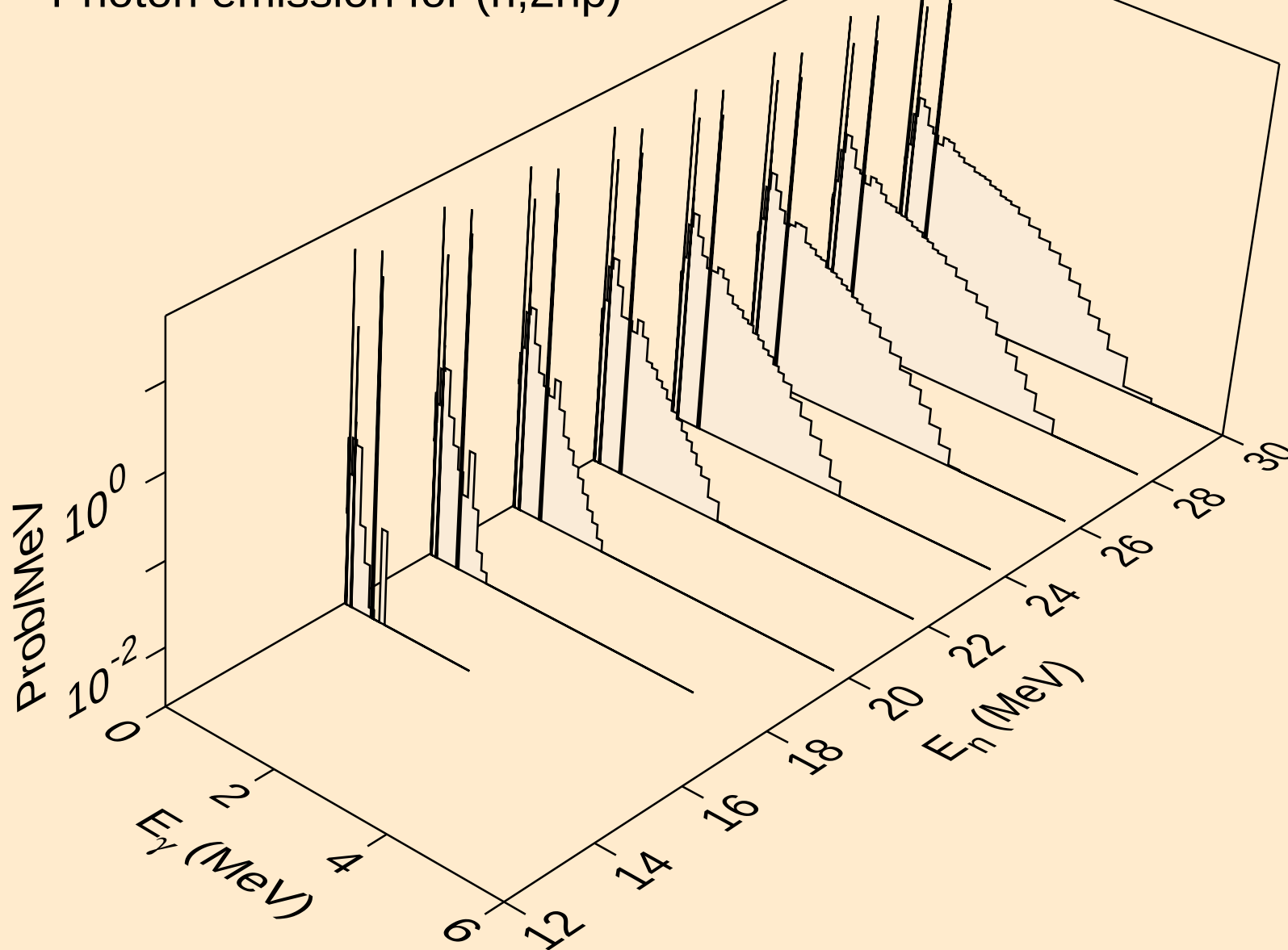
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



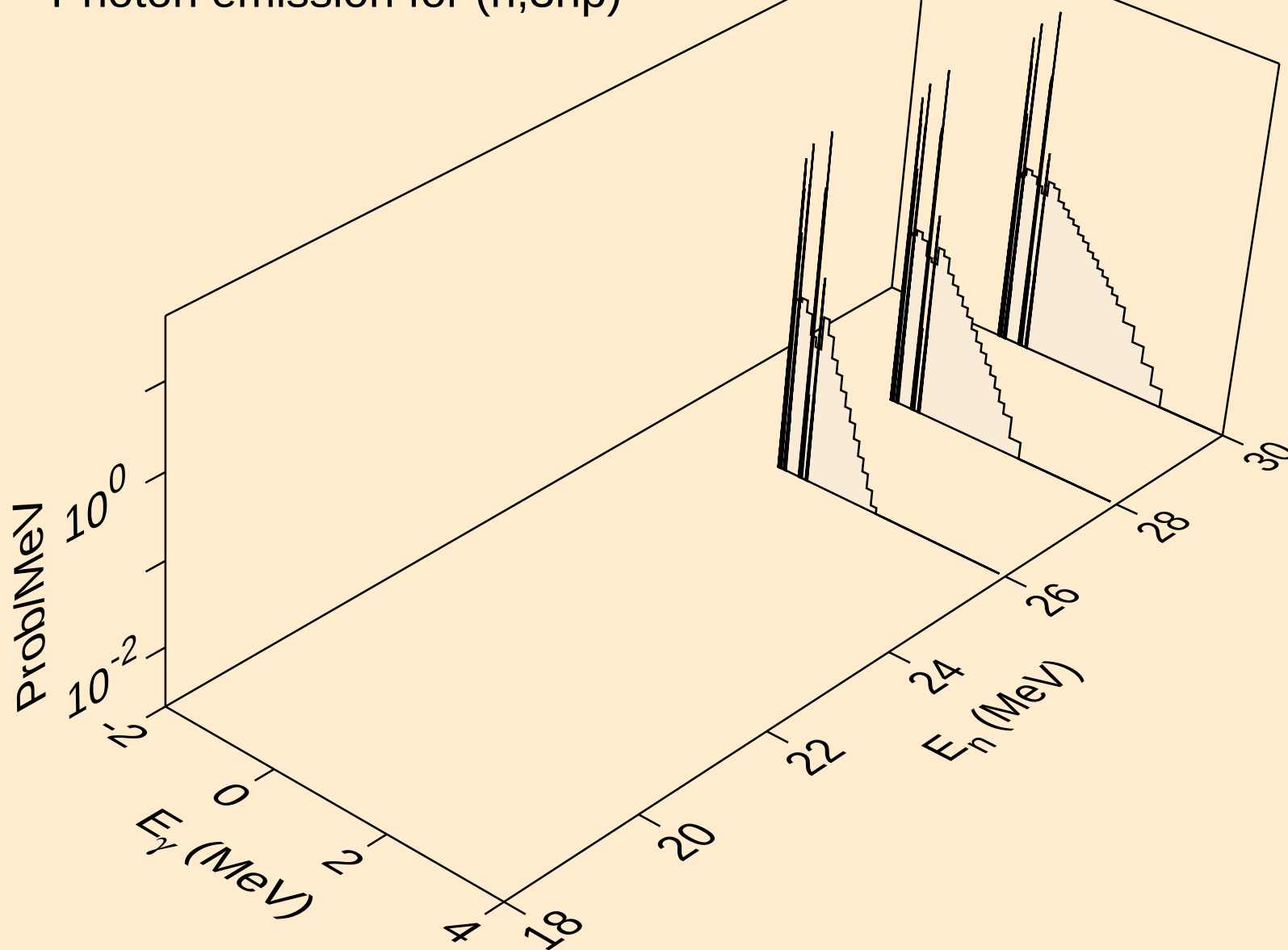
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



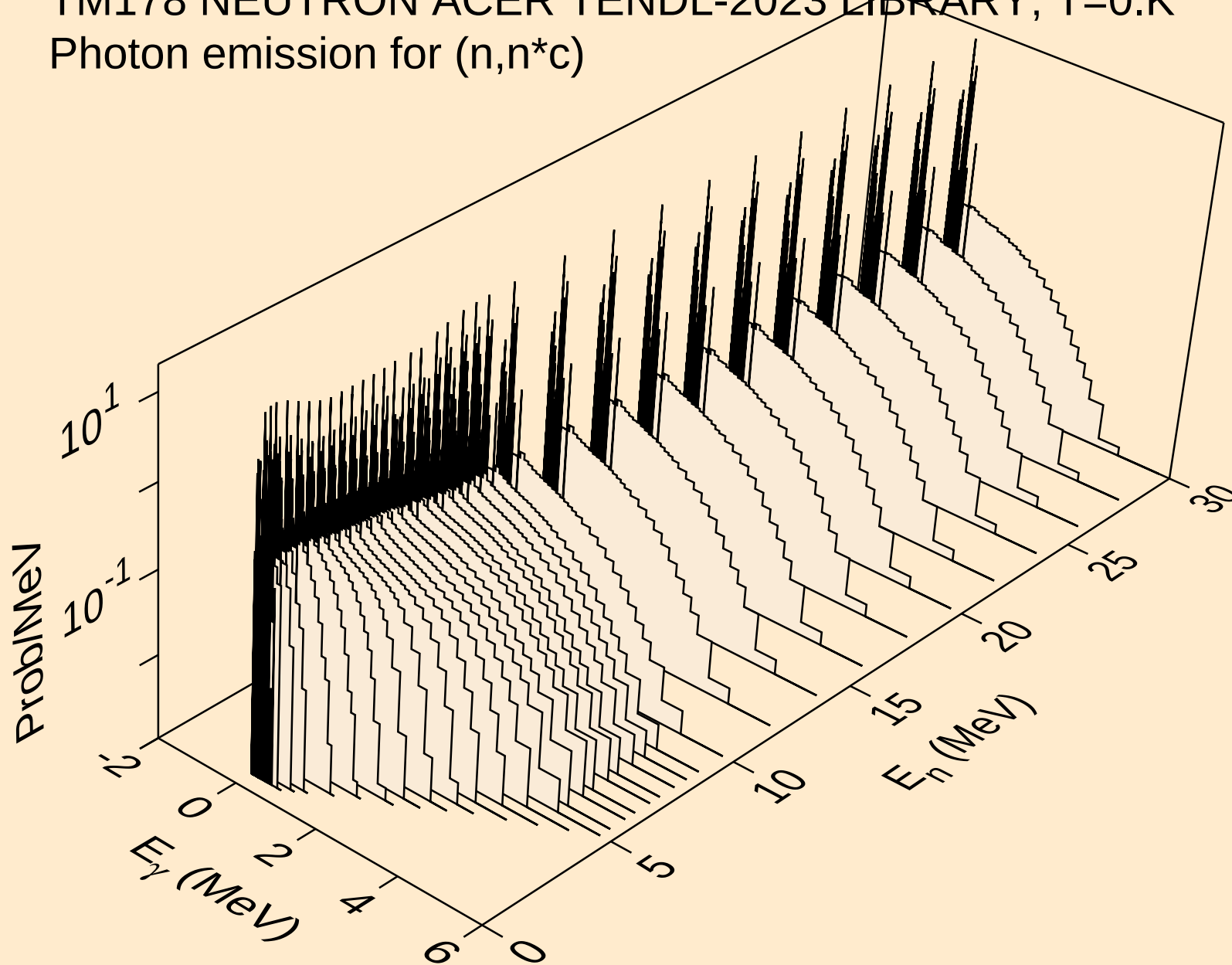
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



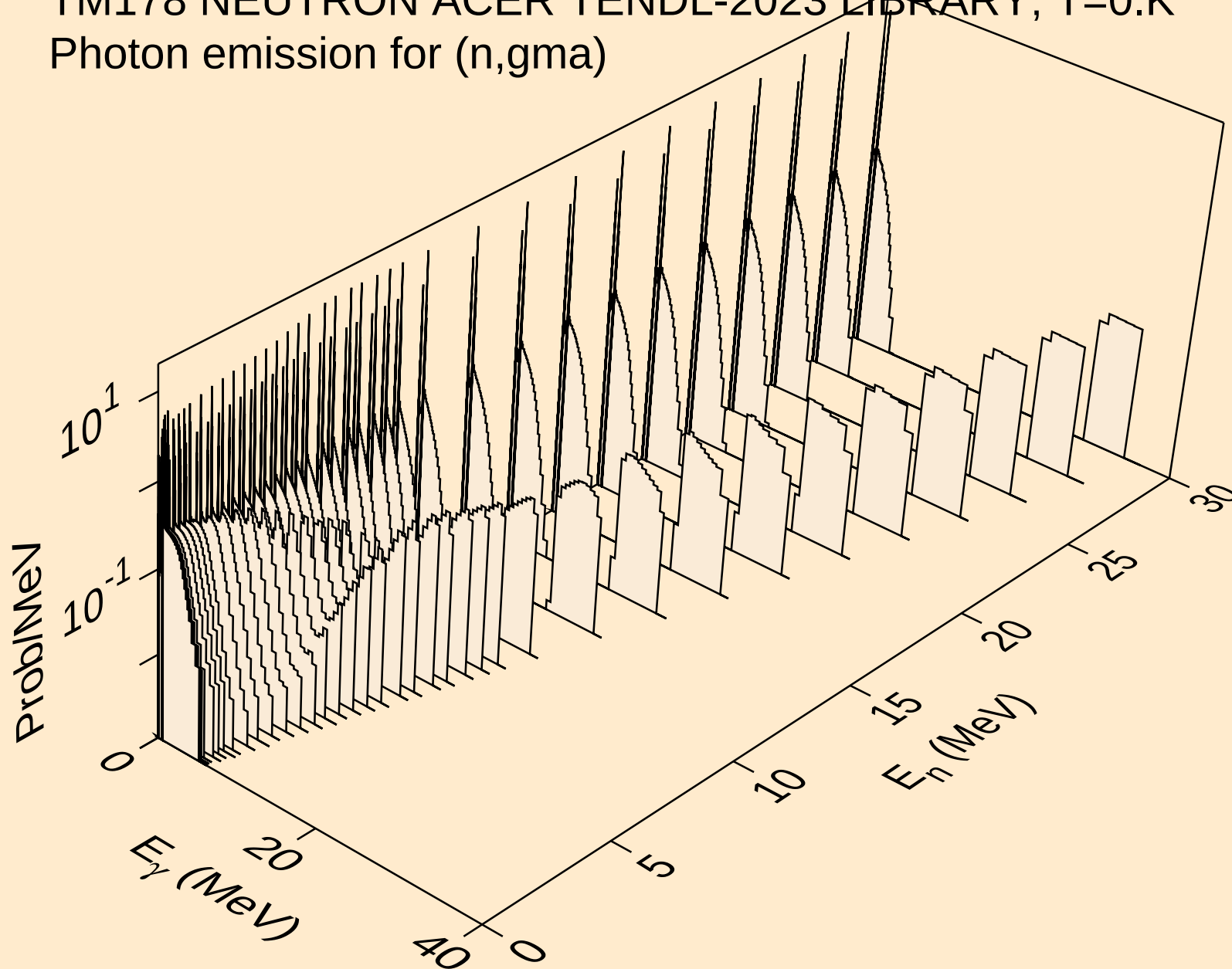
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



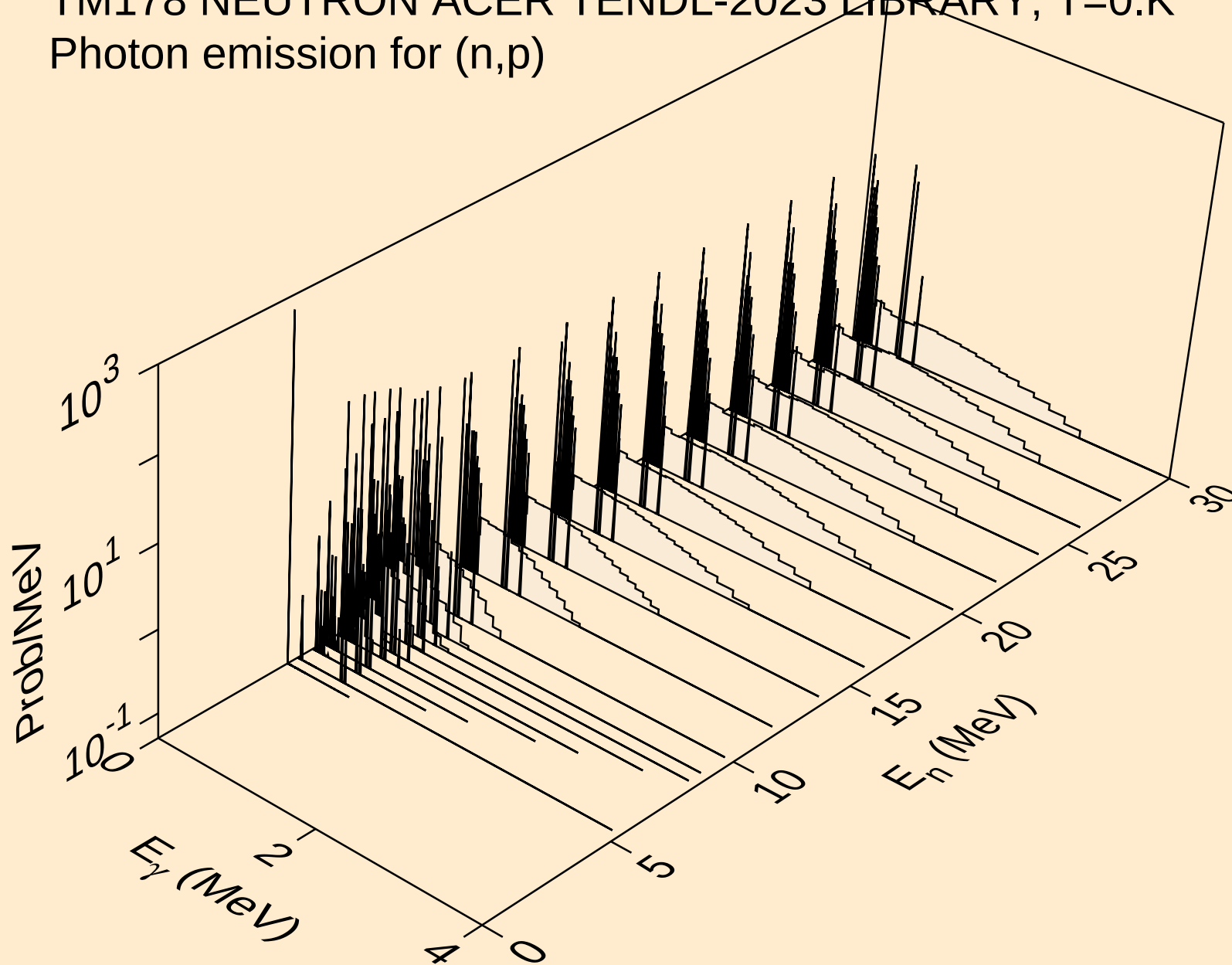
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



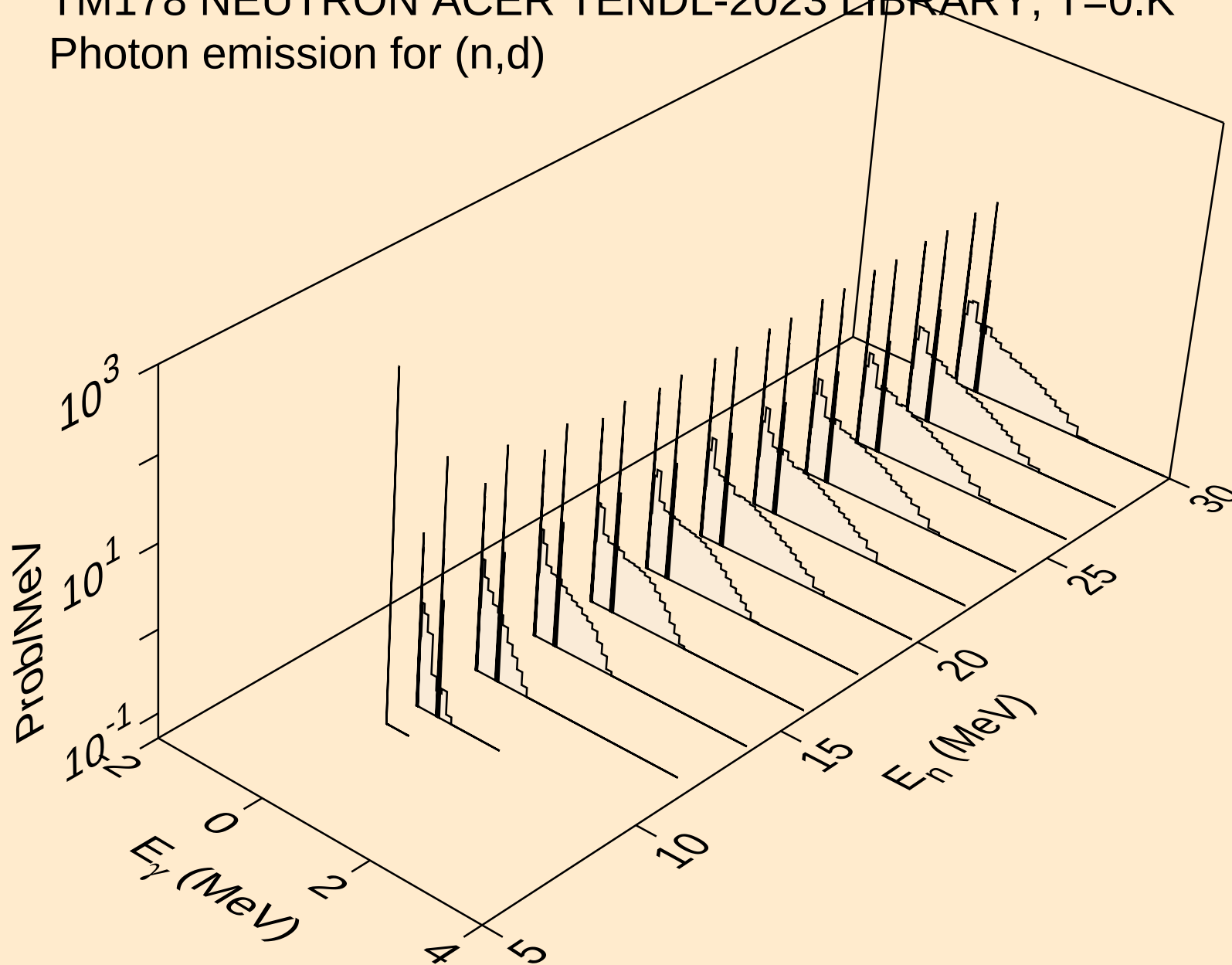
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



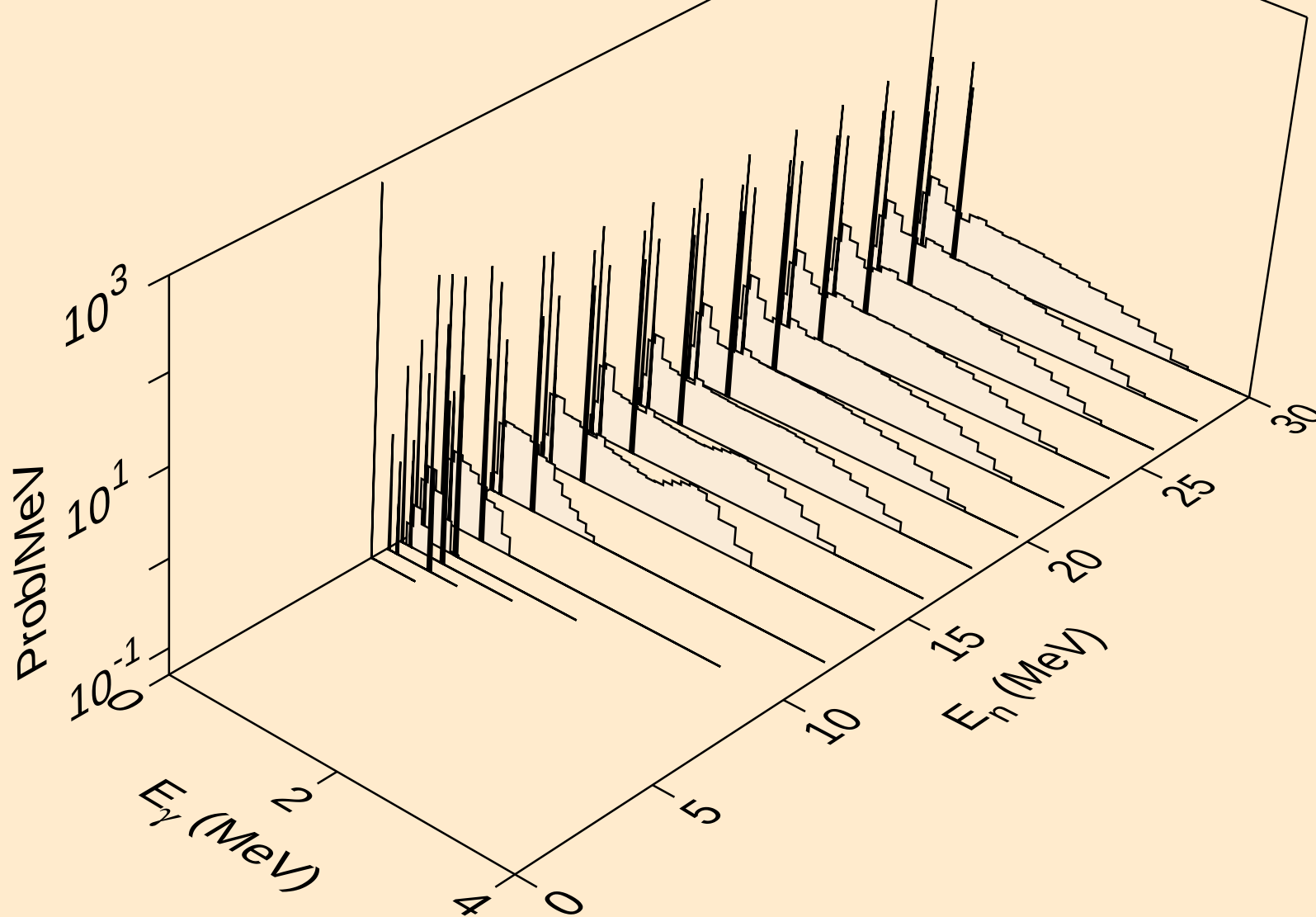
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



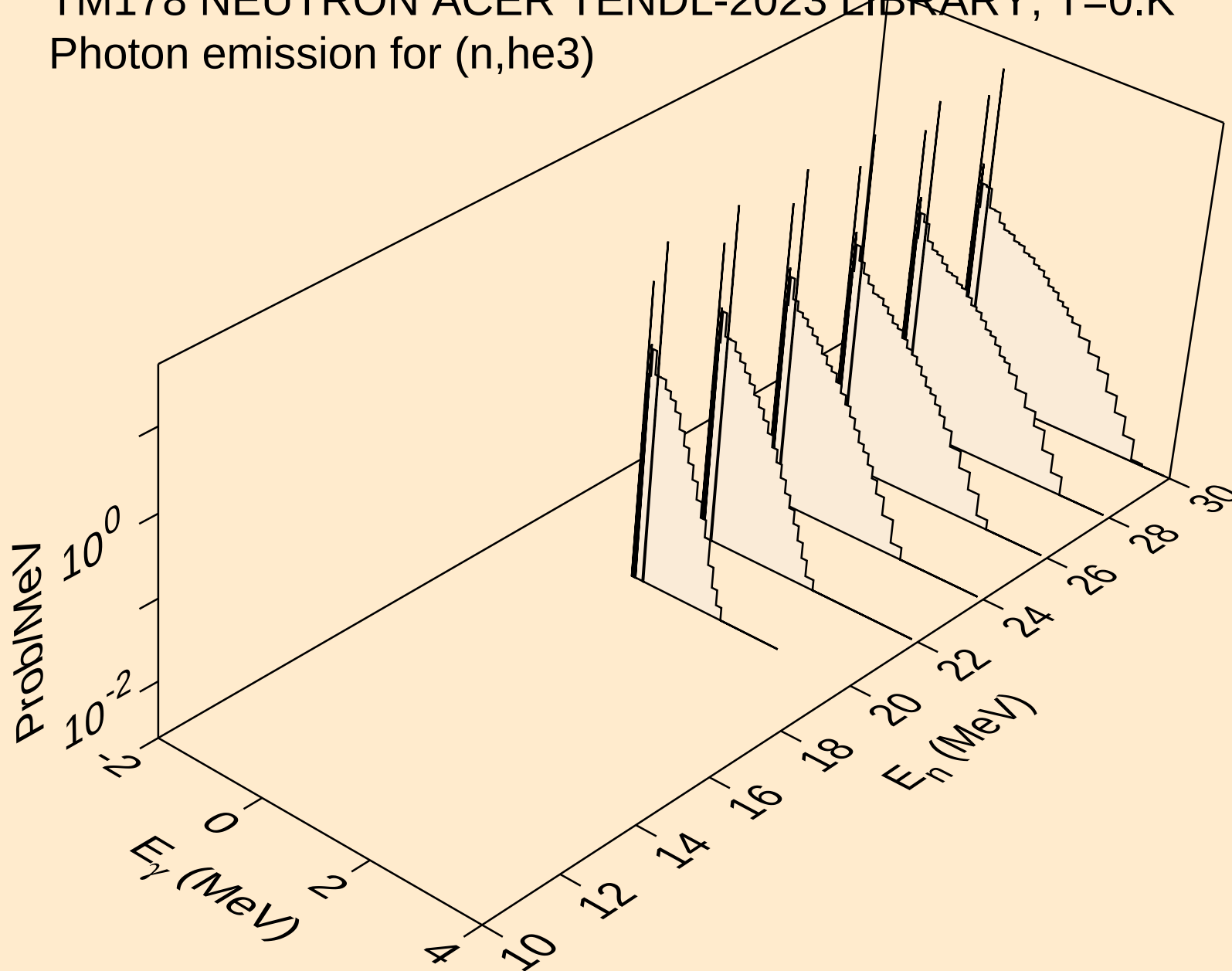
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



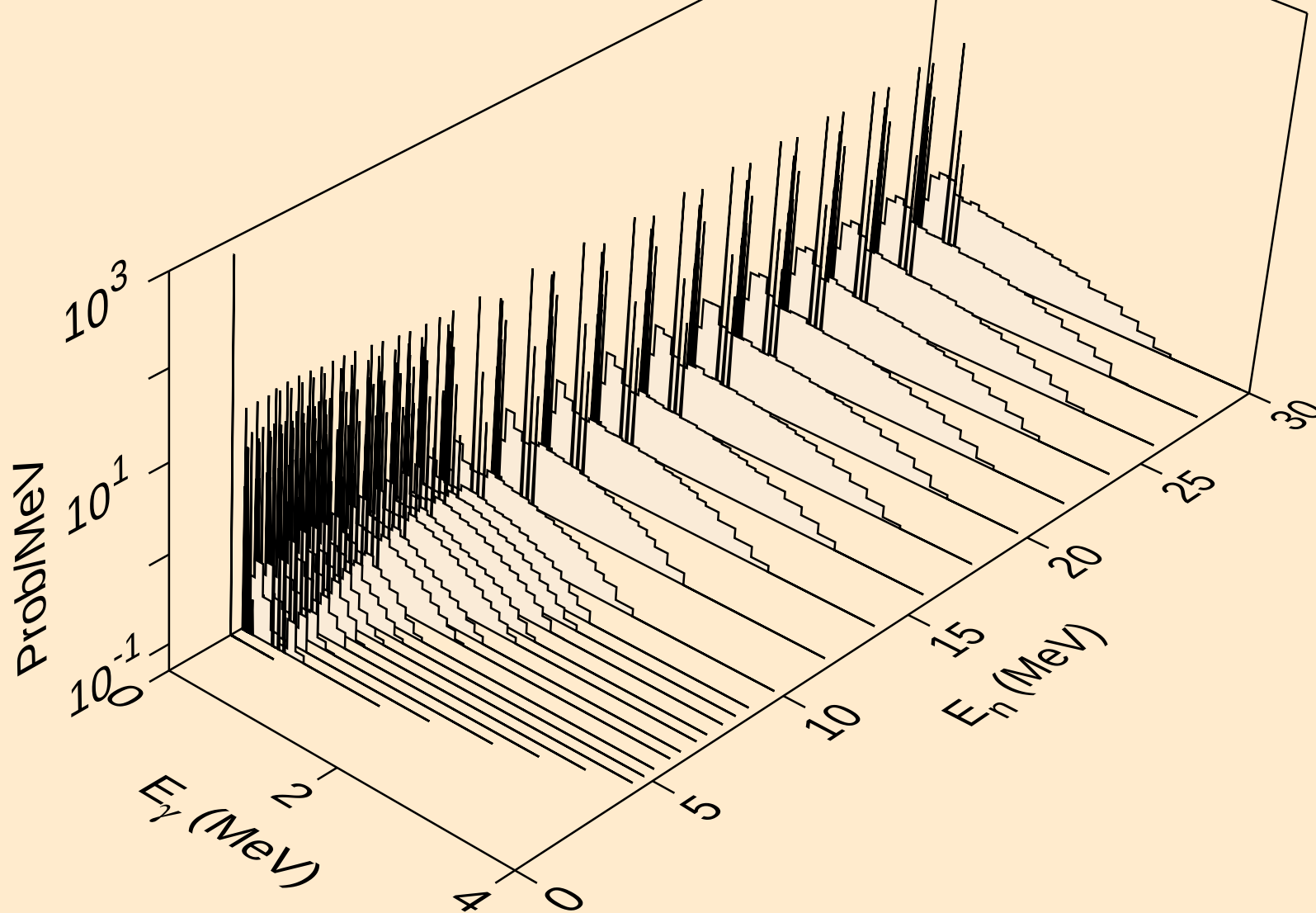
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



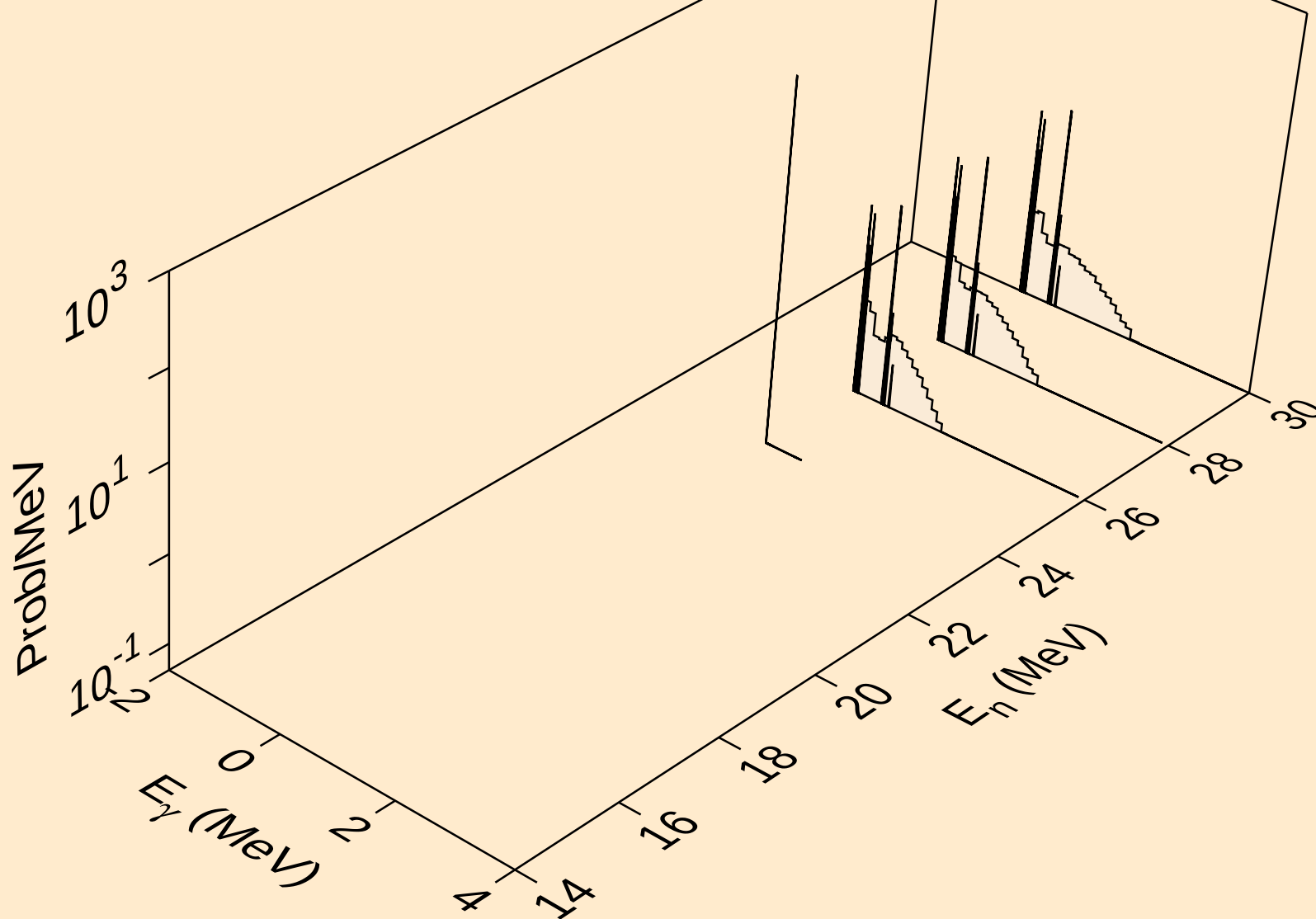
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



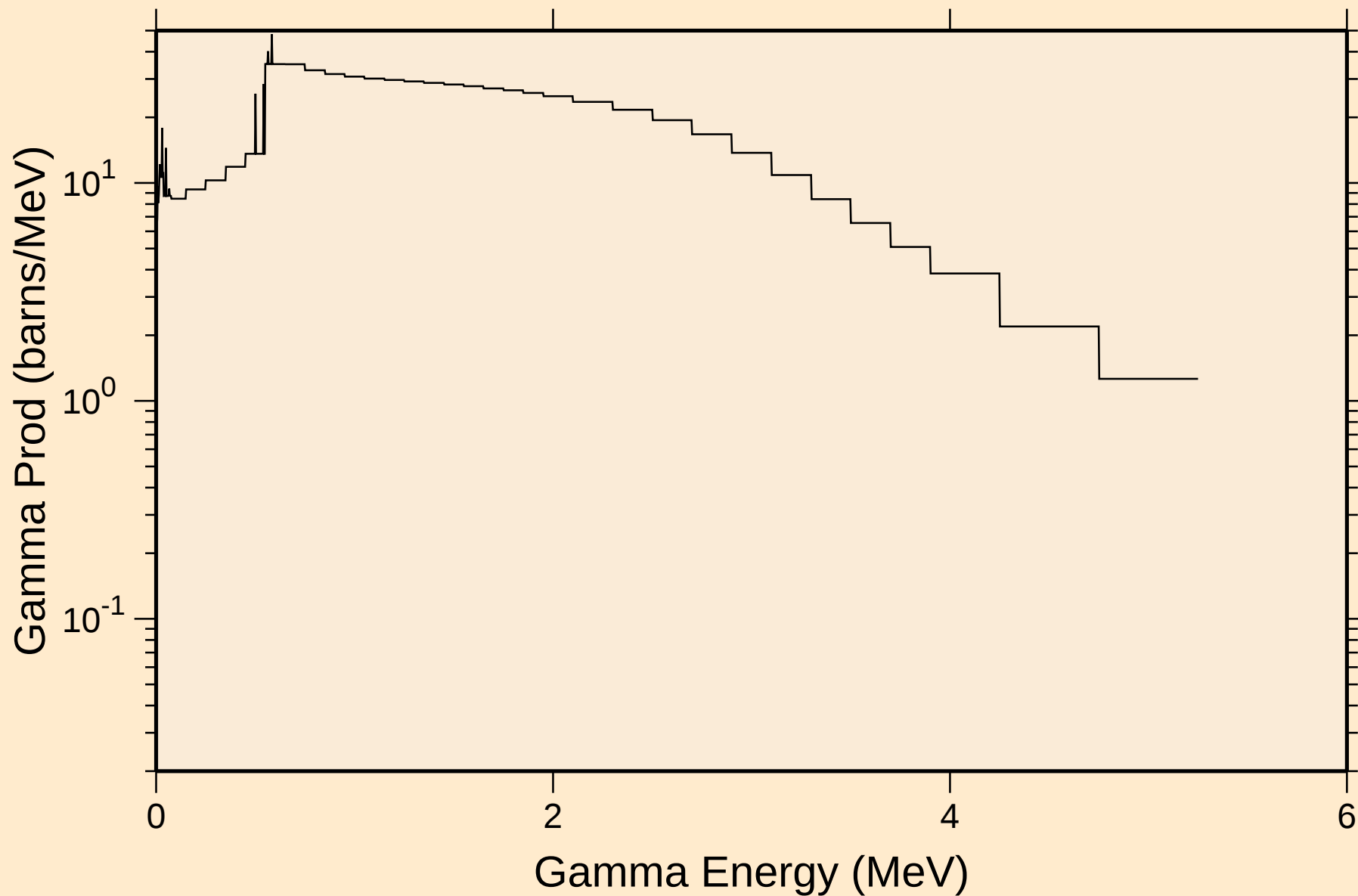
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



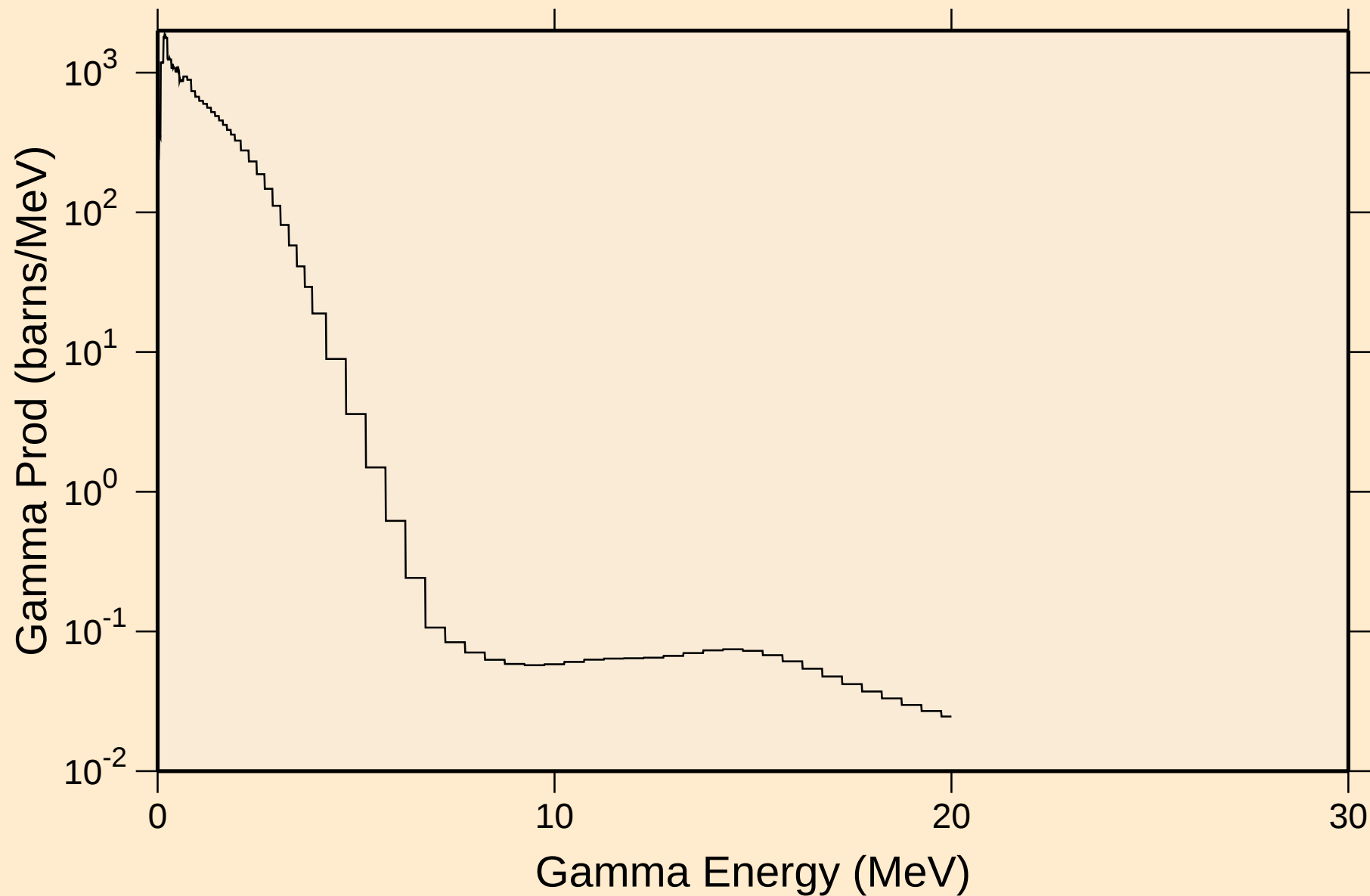
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

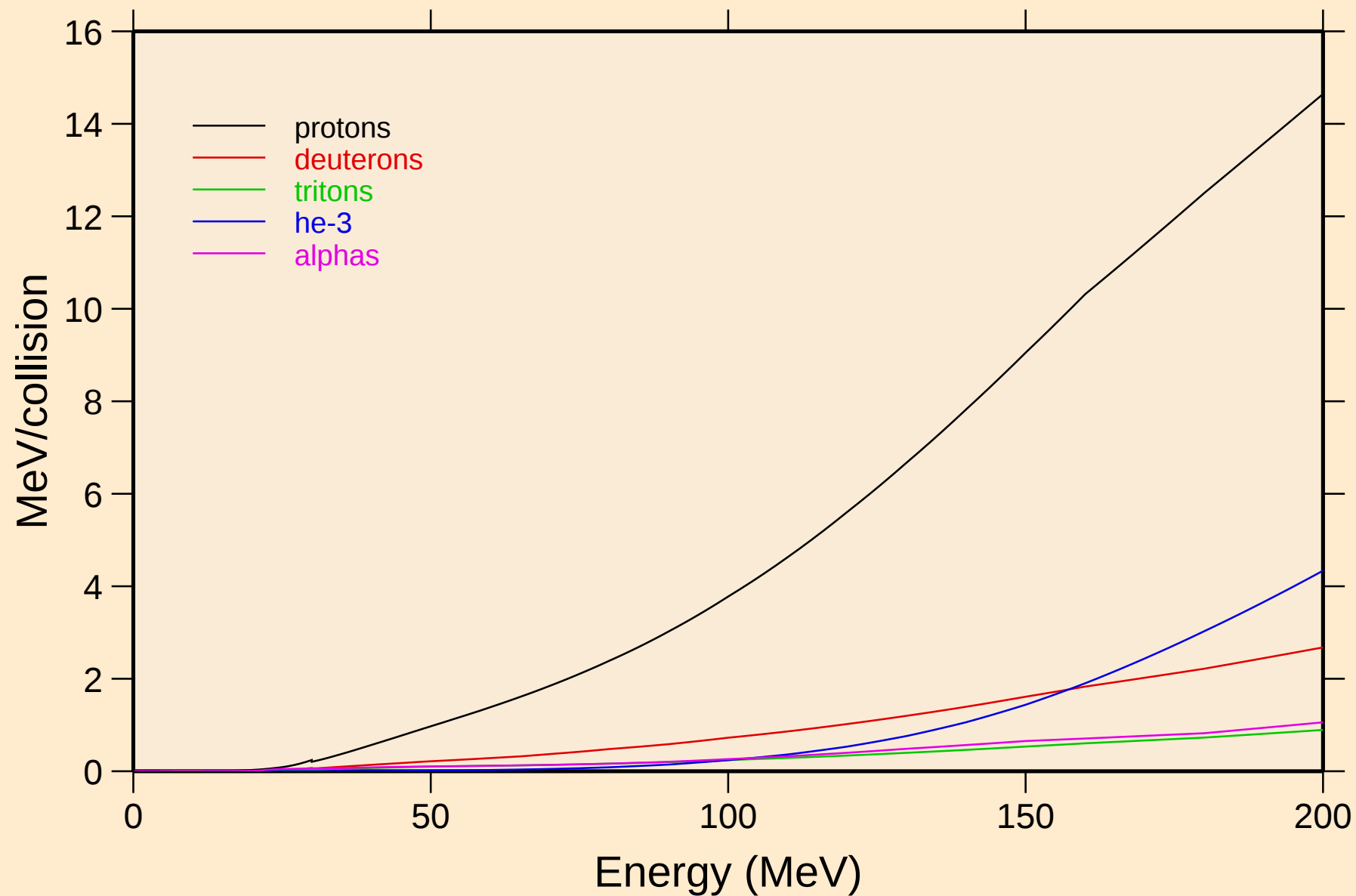


TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

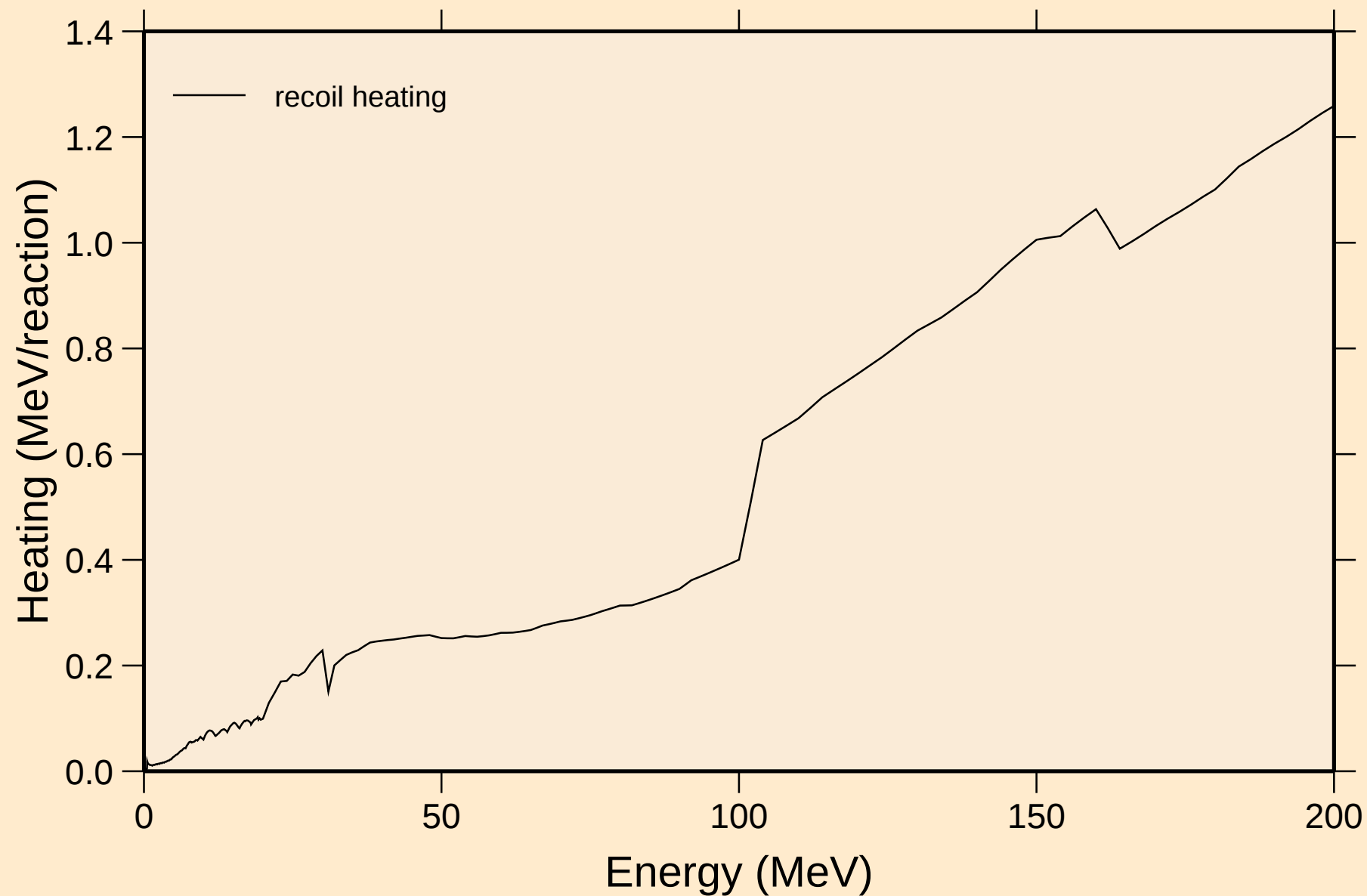


# TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

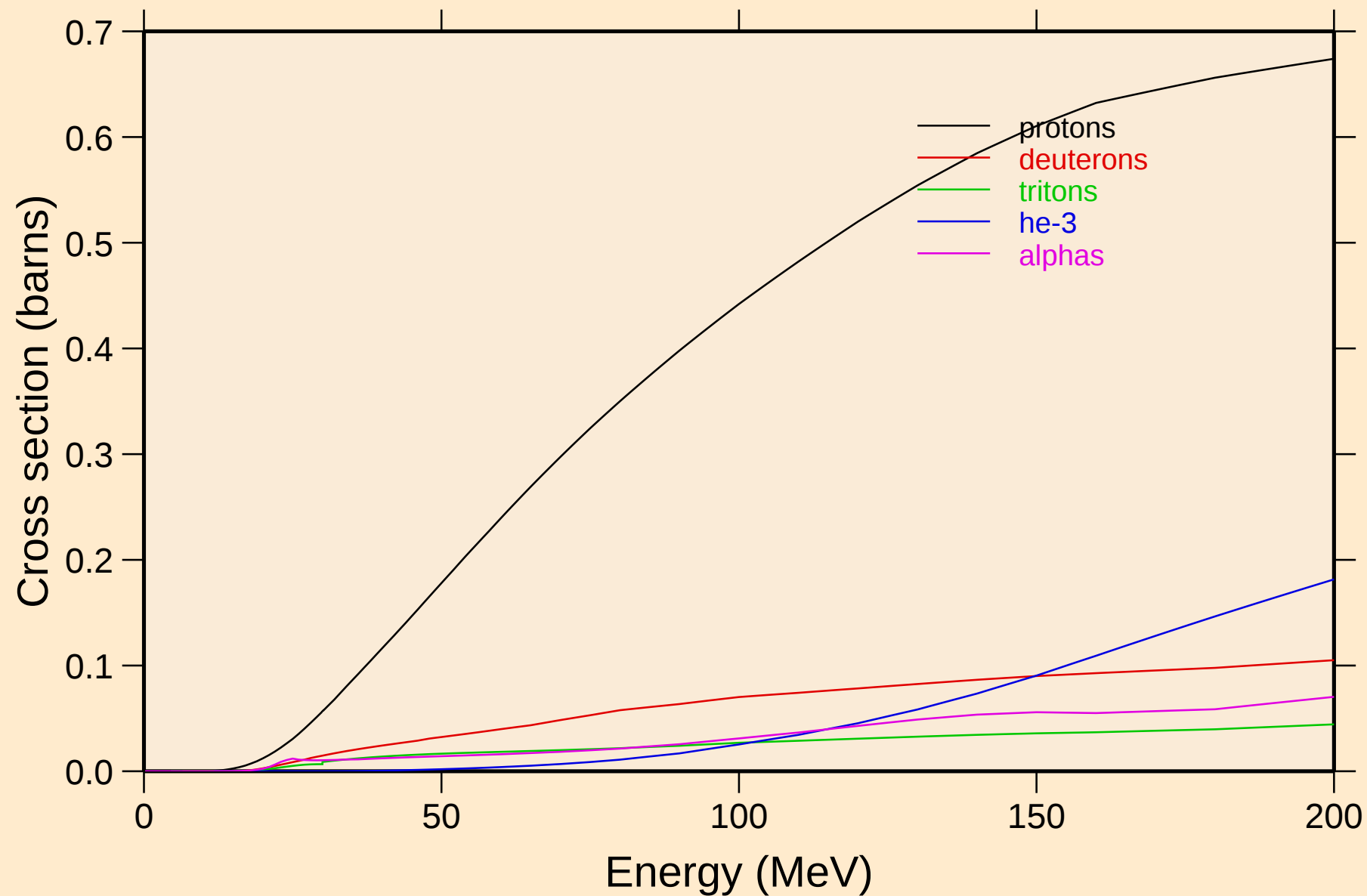
## Particle heating contributions



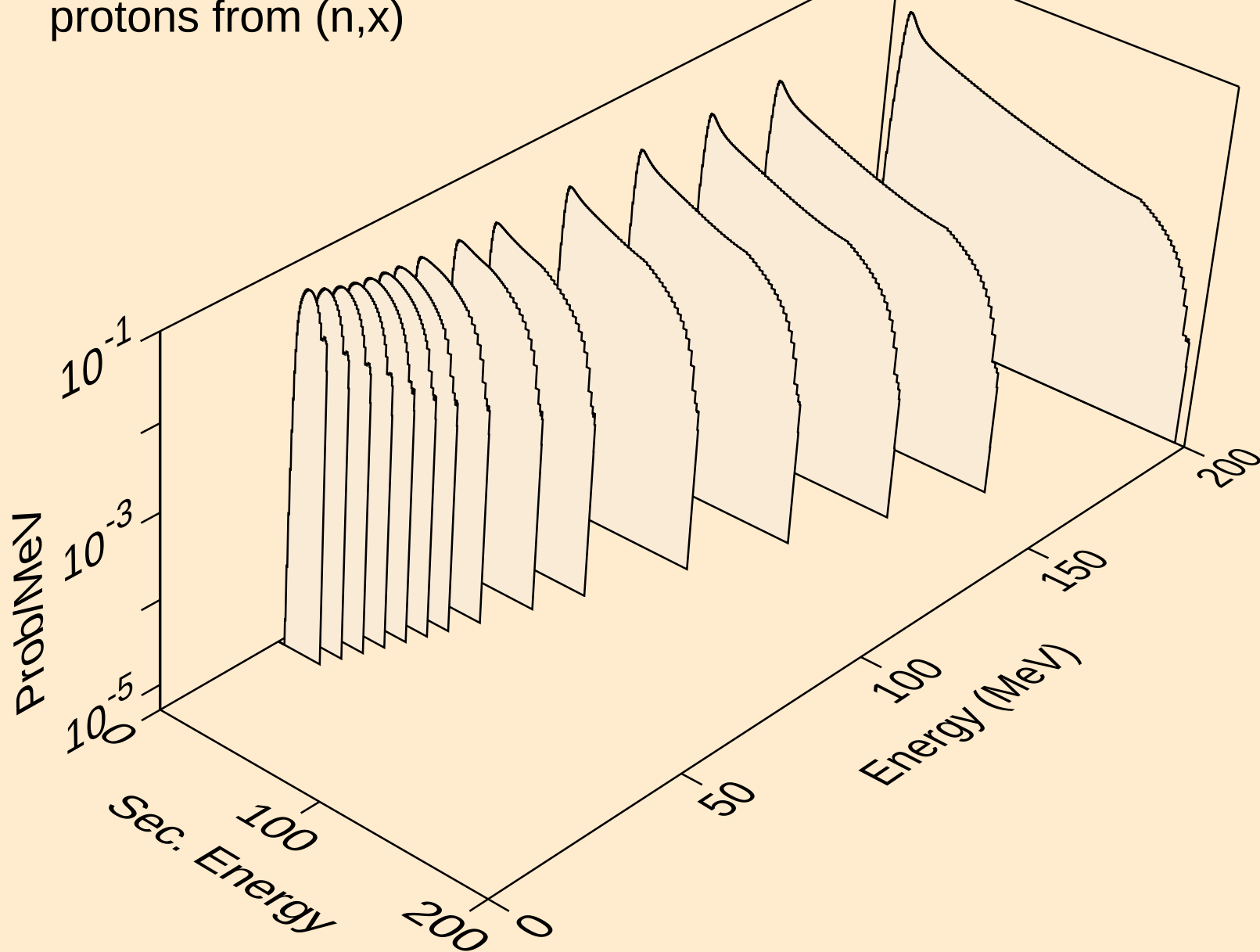
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



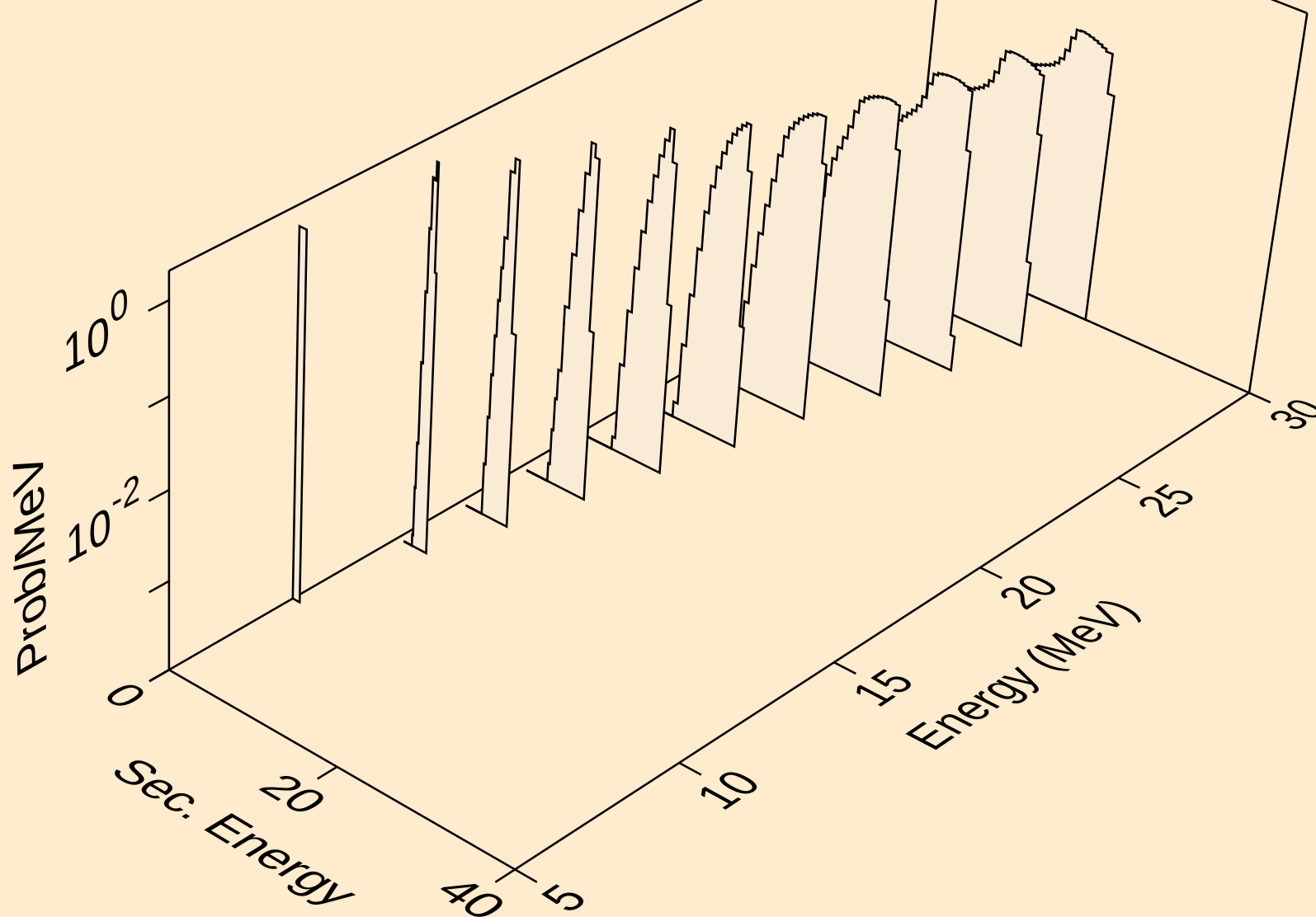
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



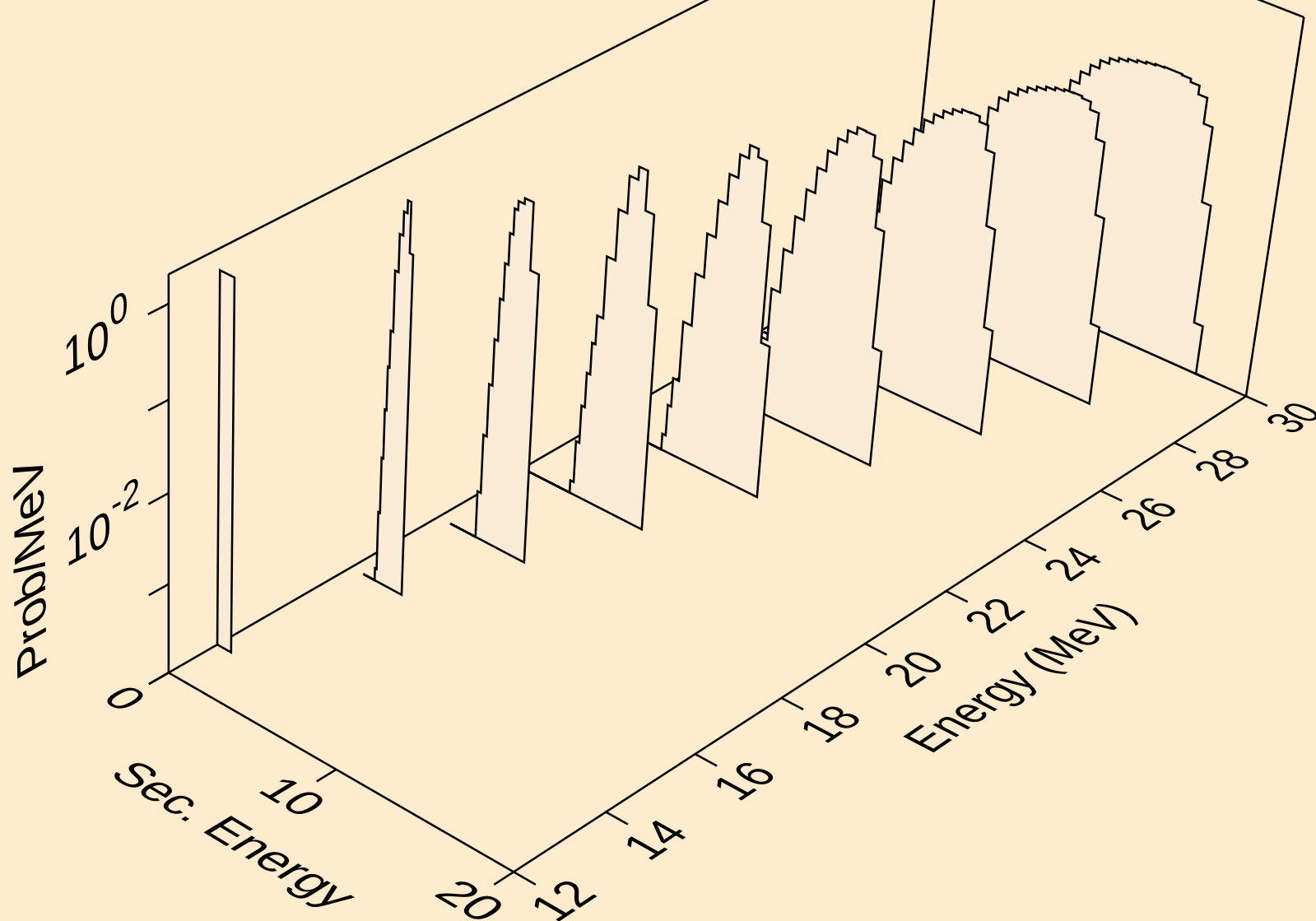
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



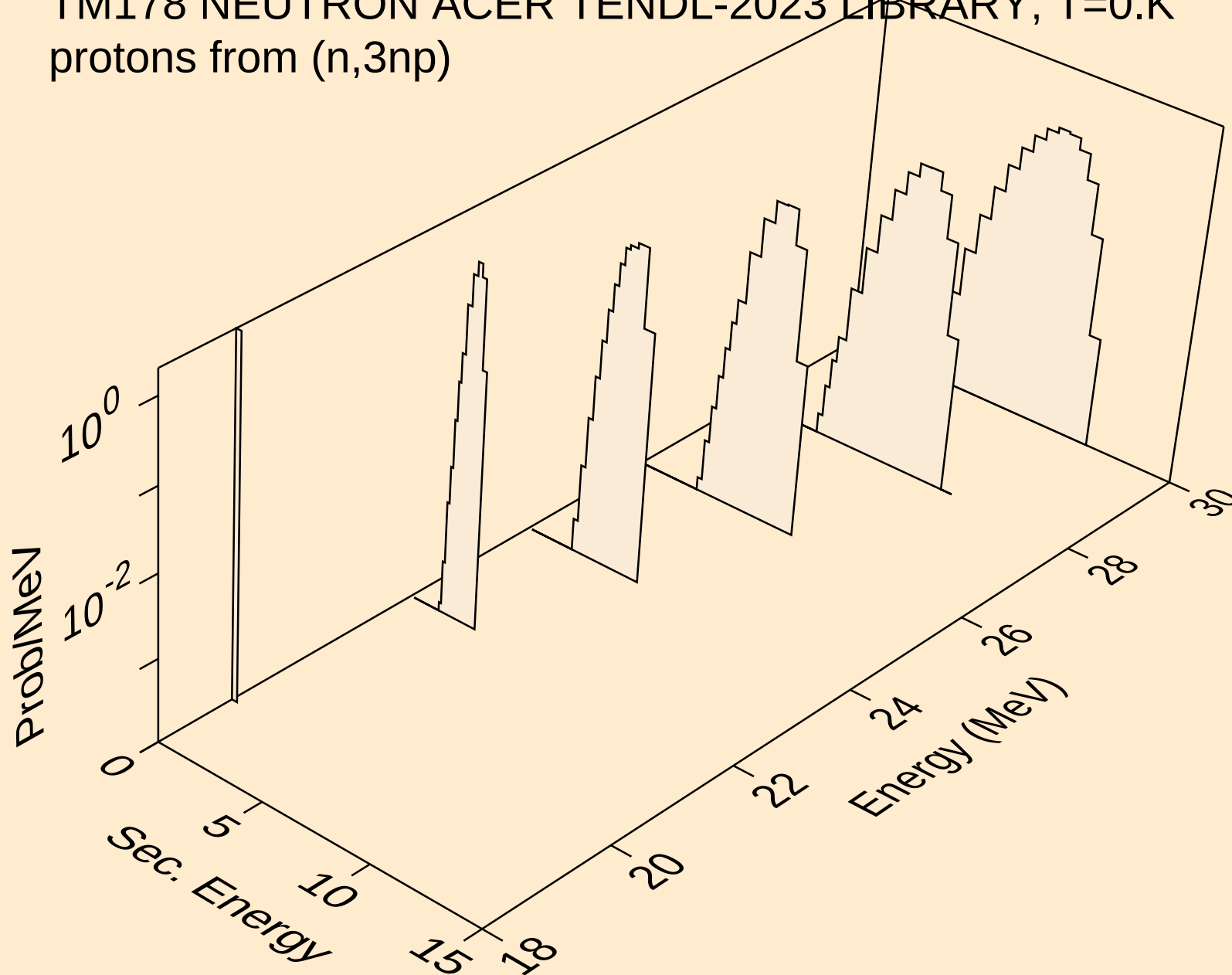
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



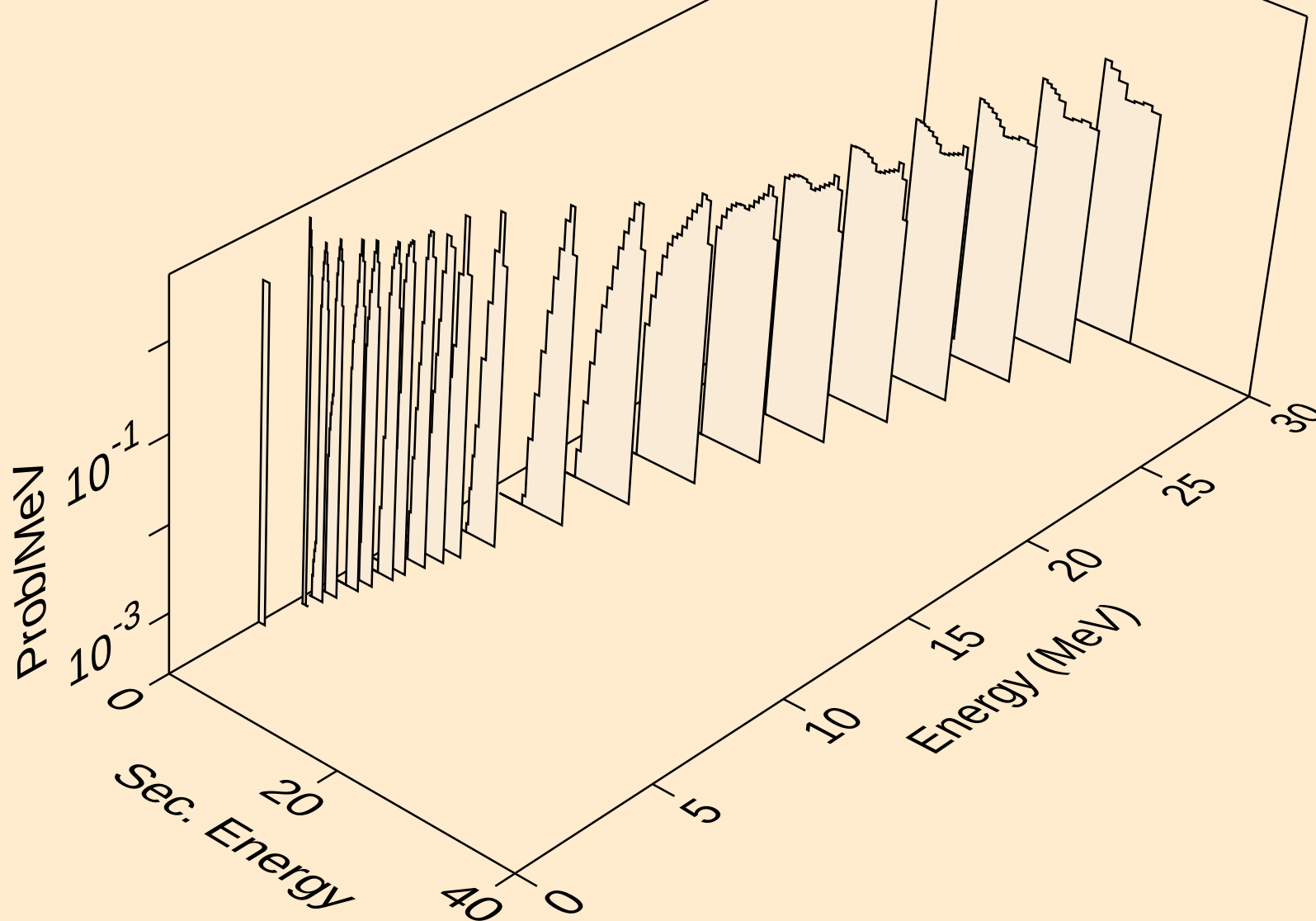
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



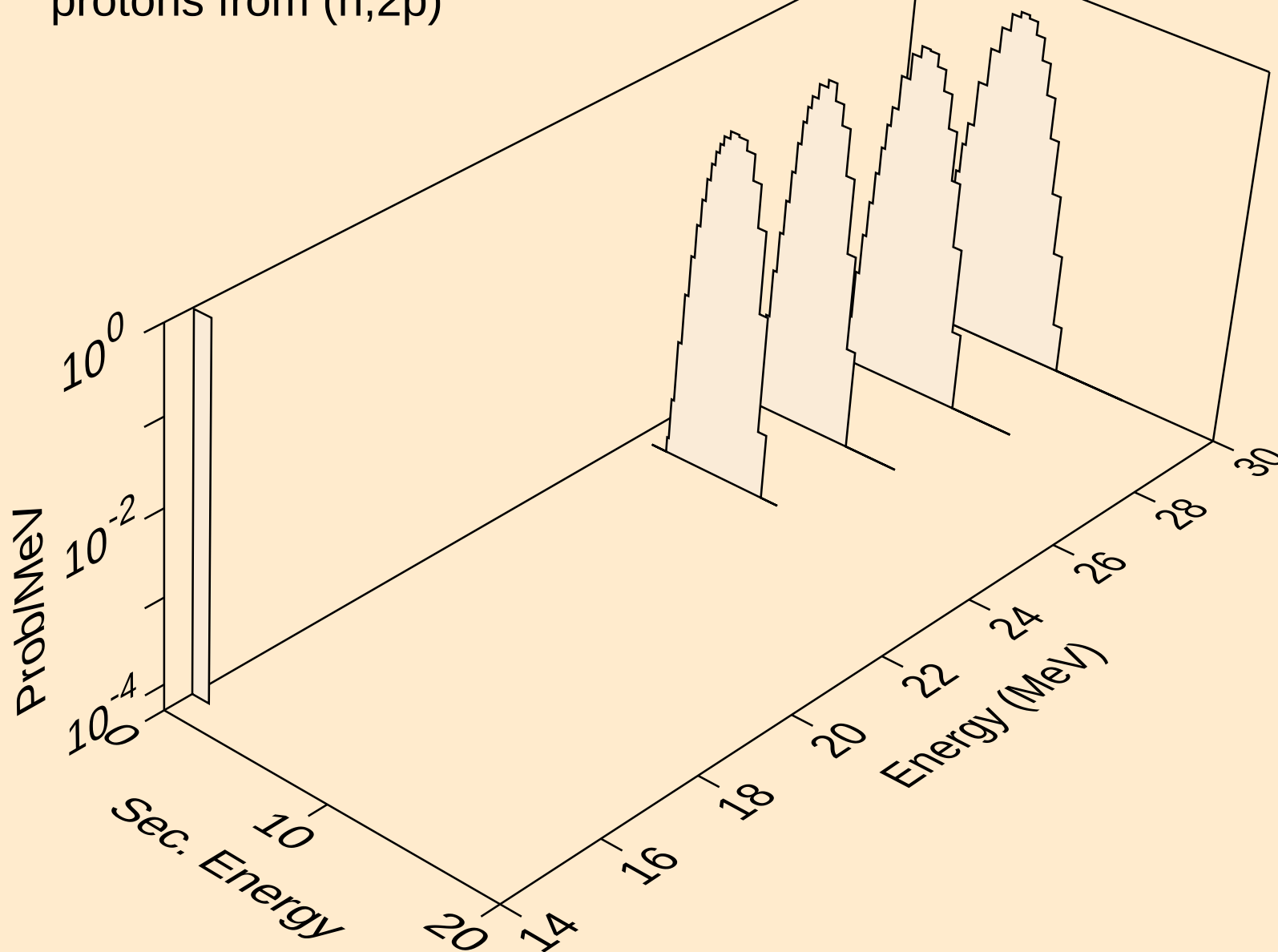
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protons from (n,3np)



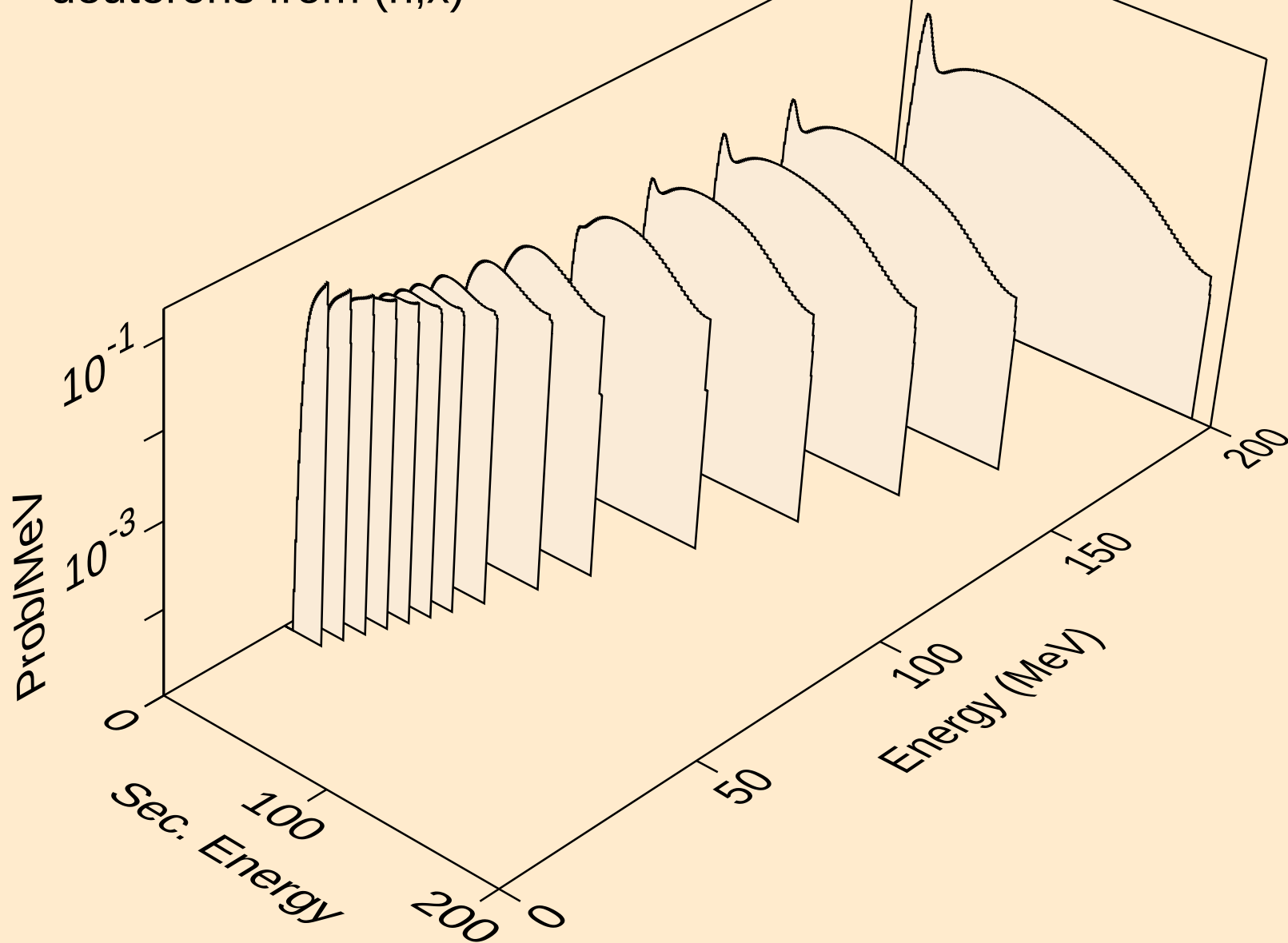
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protons from (n,p)



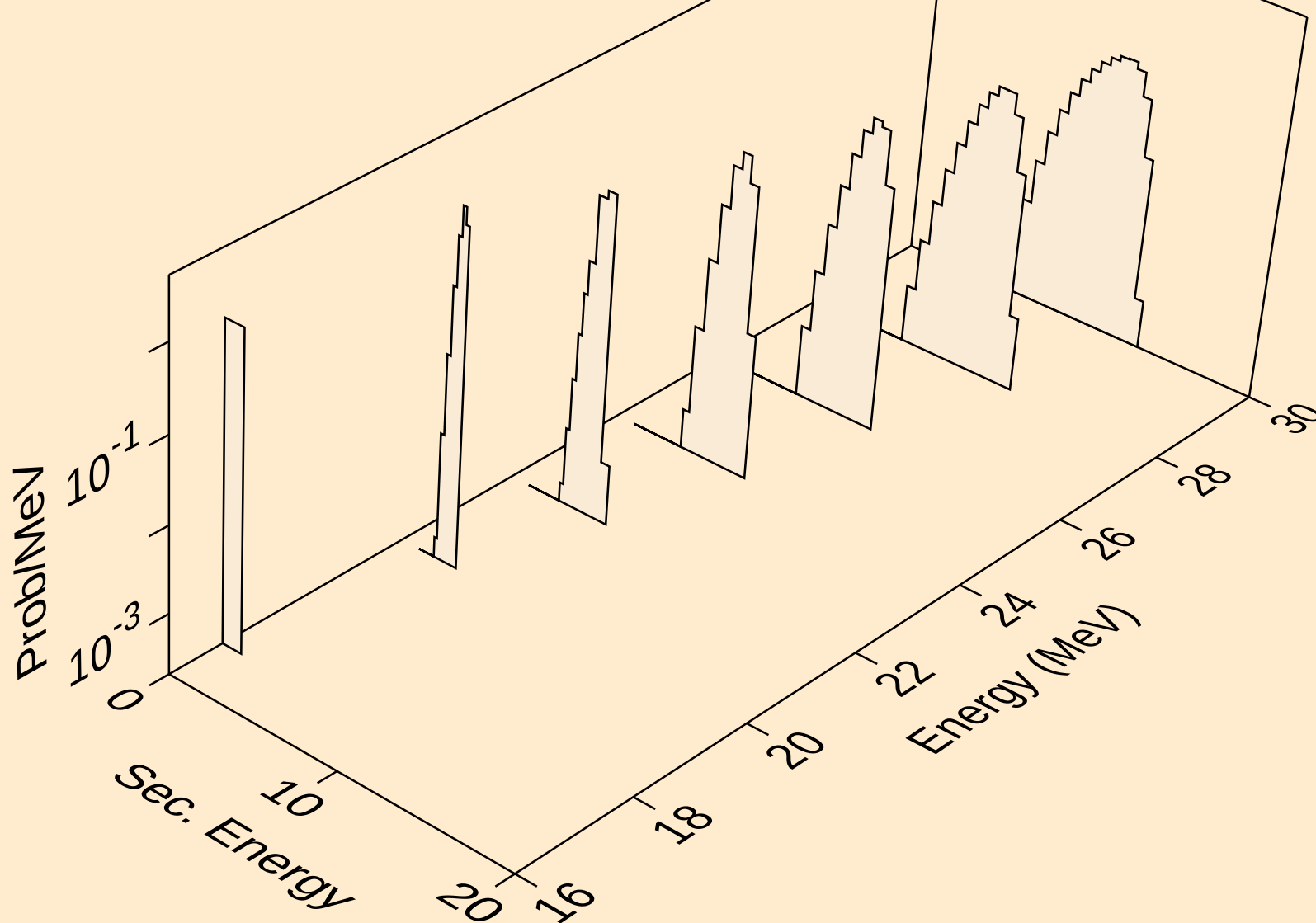
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protons from (n,2p)



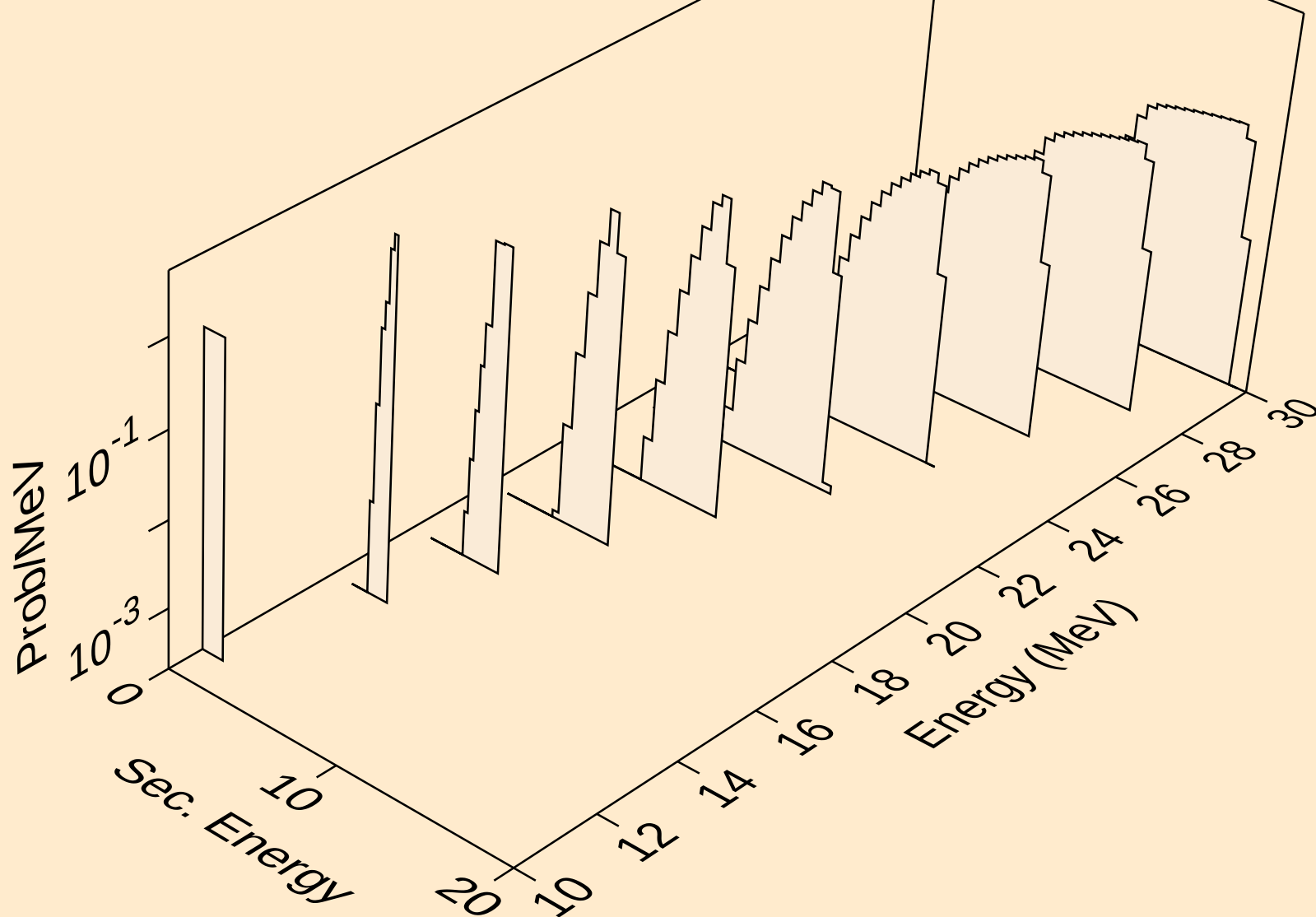
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



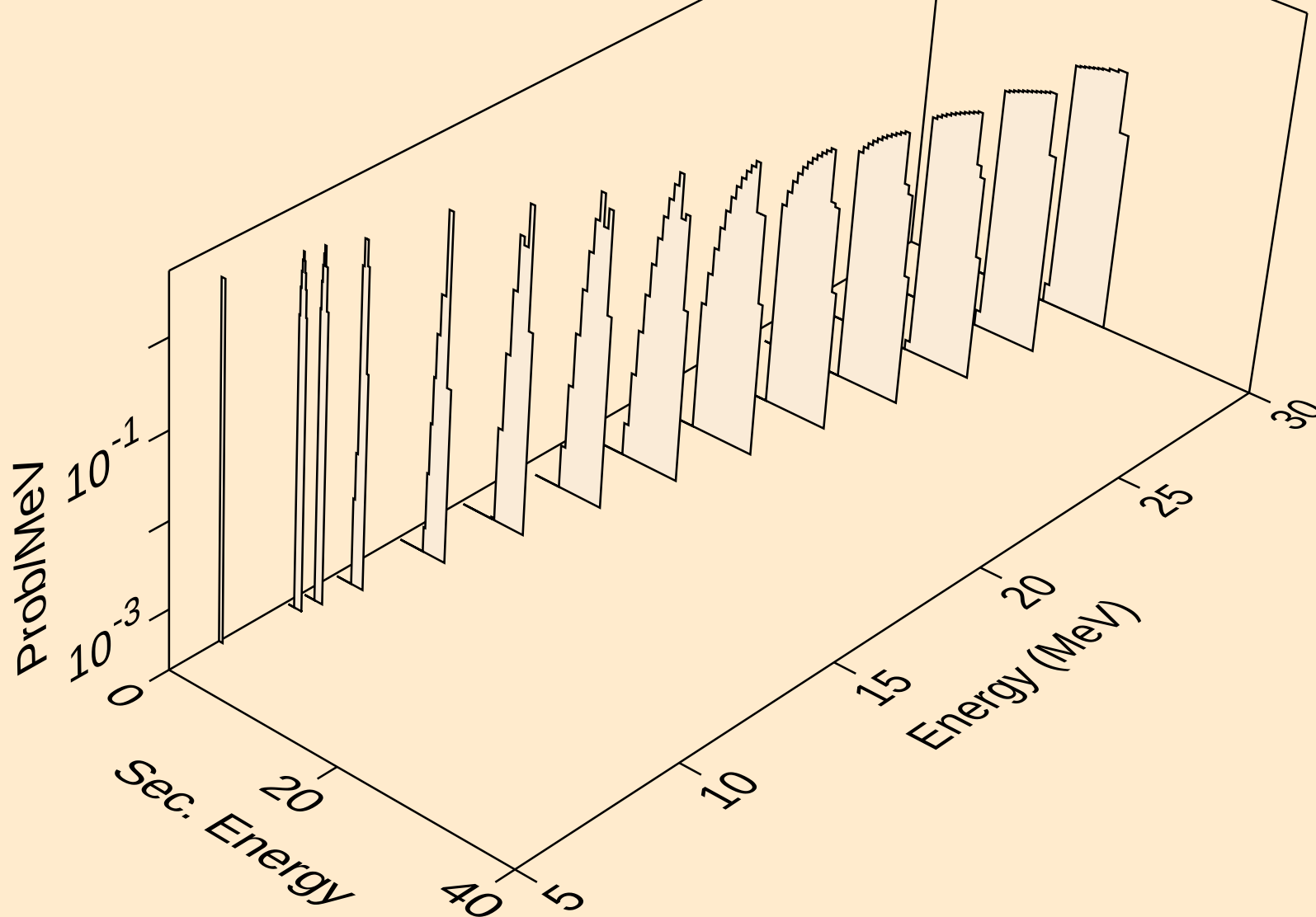
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deuterons from (n,2nd)



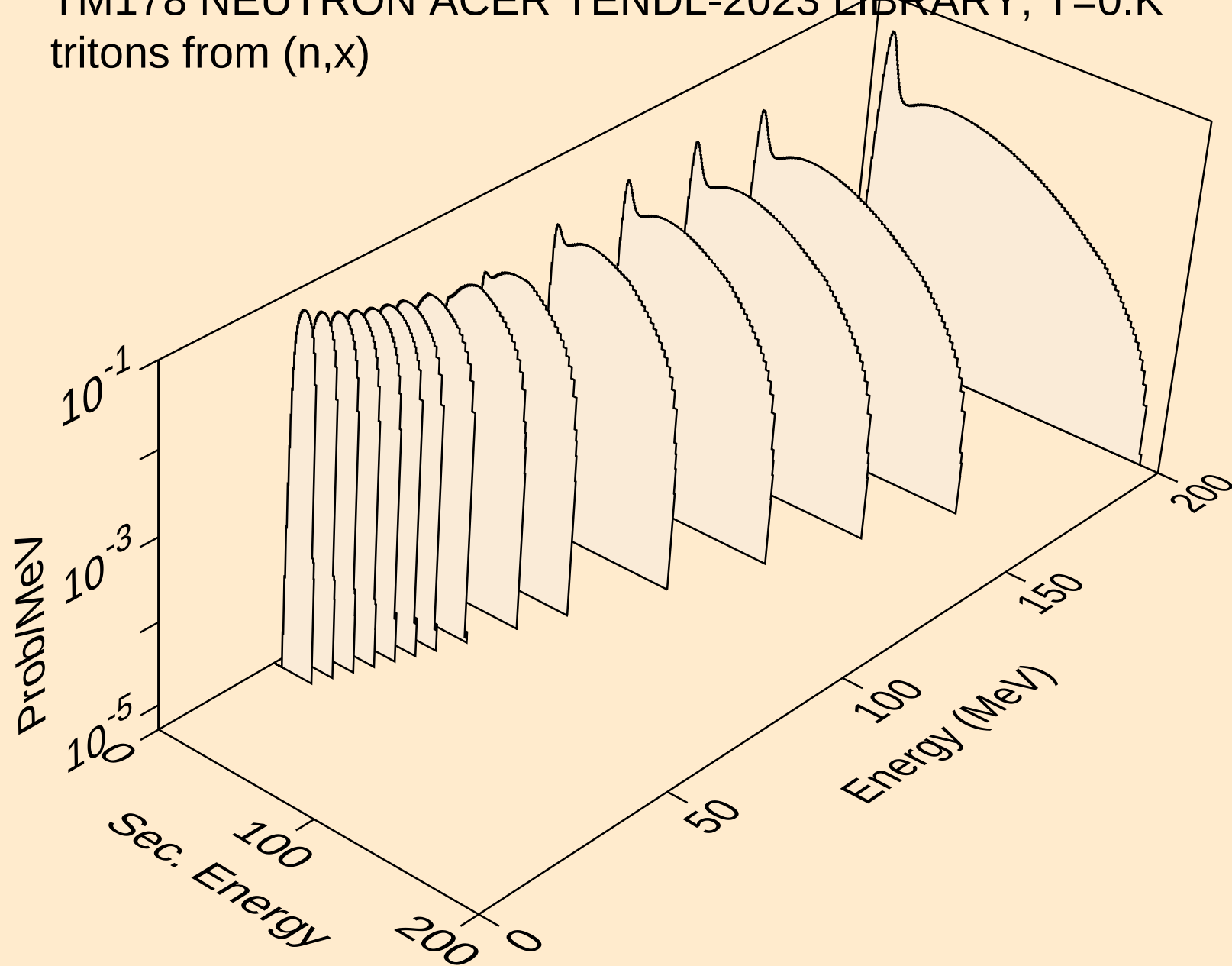
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deuterons from (n,n\*)d



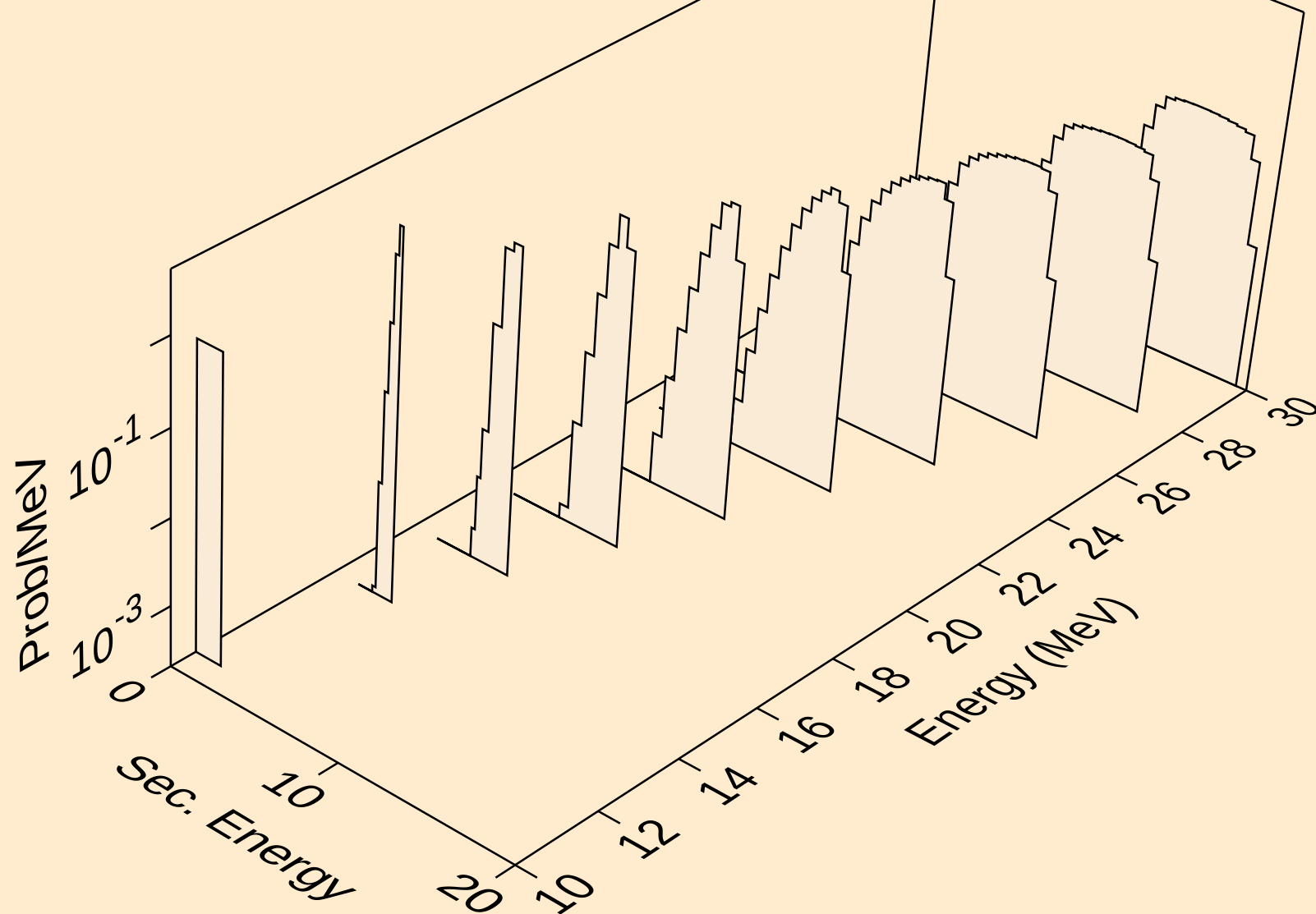
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deuterons from (n,d)



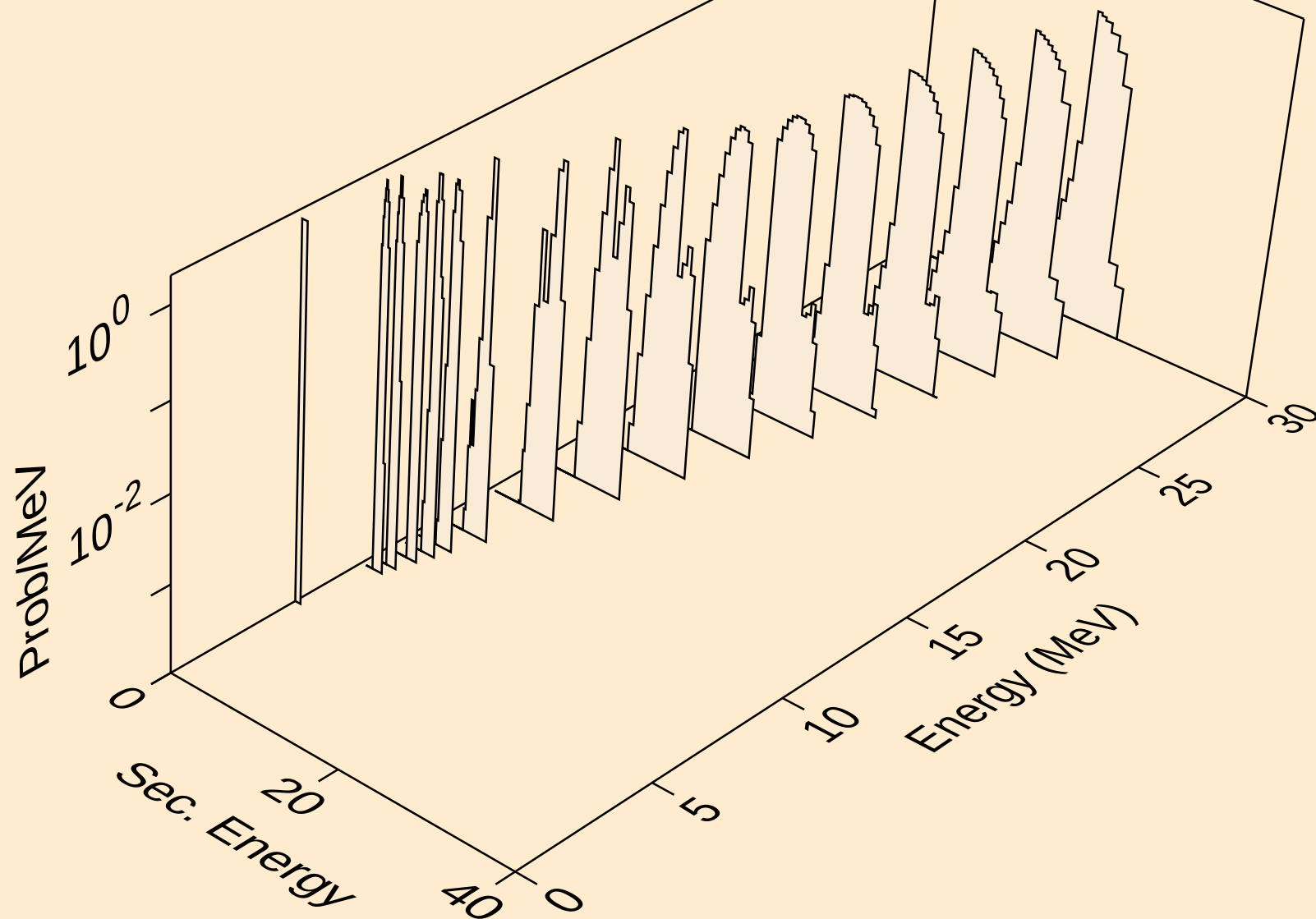
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tritons from (n,x)



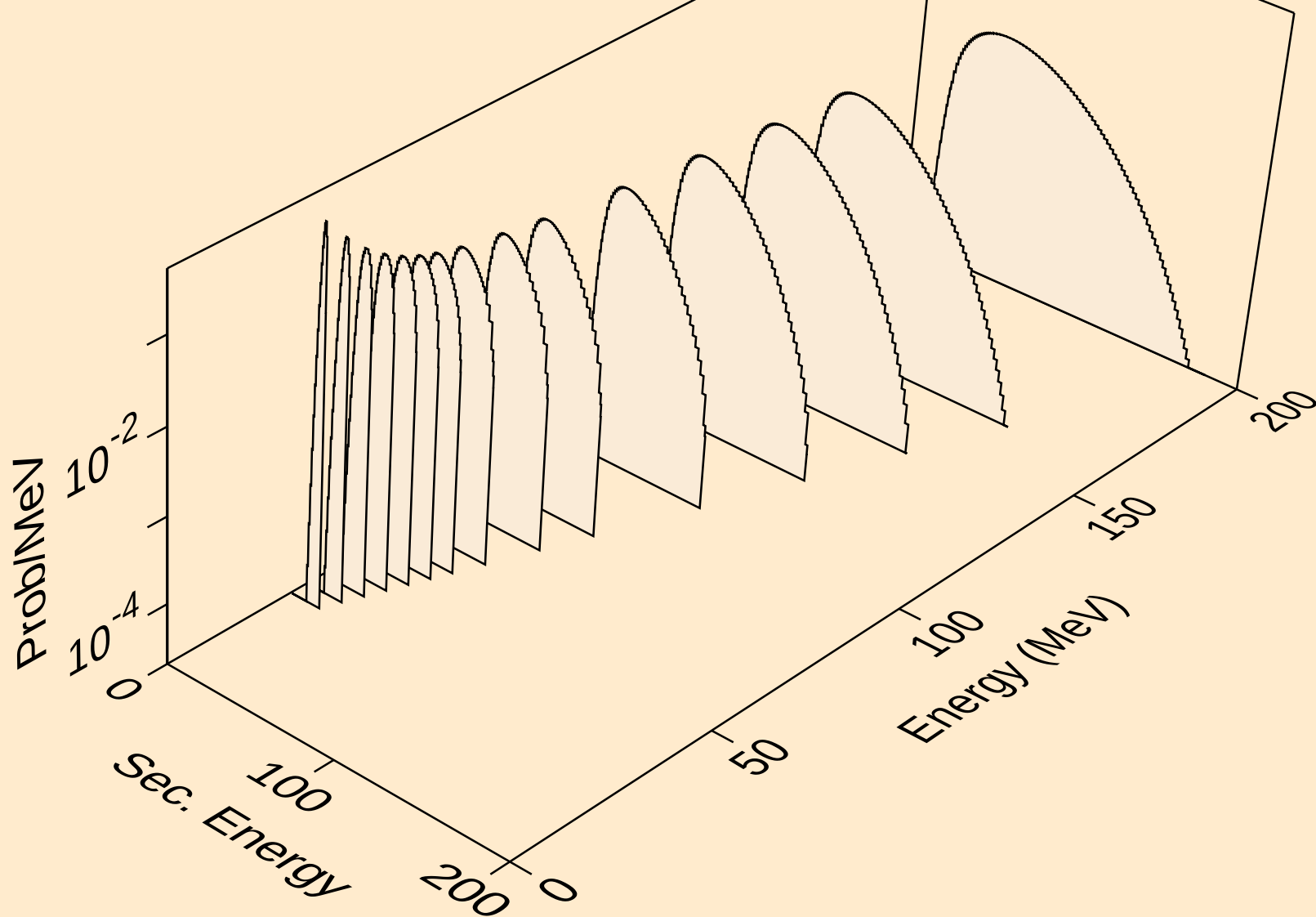
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



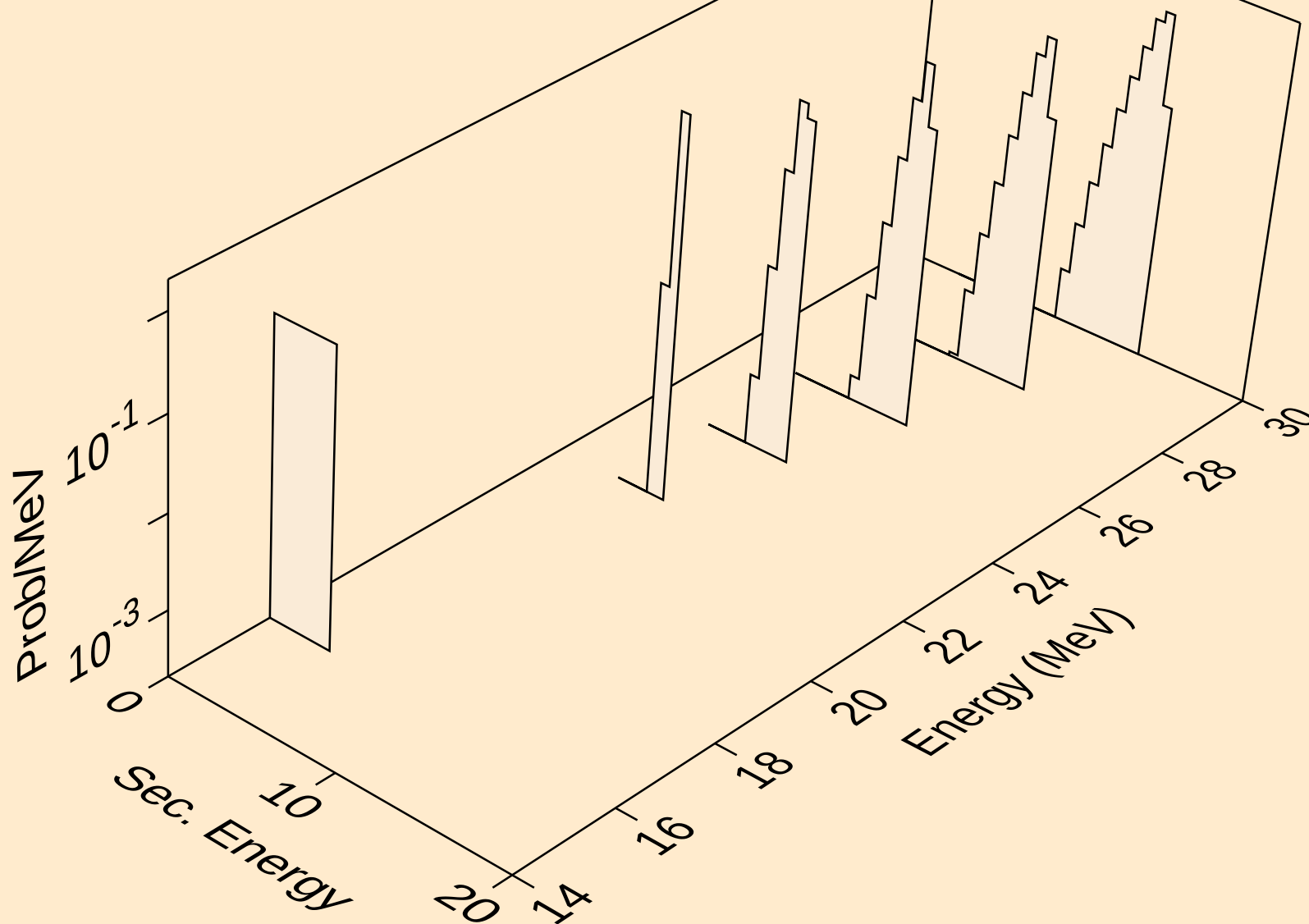
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



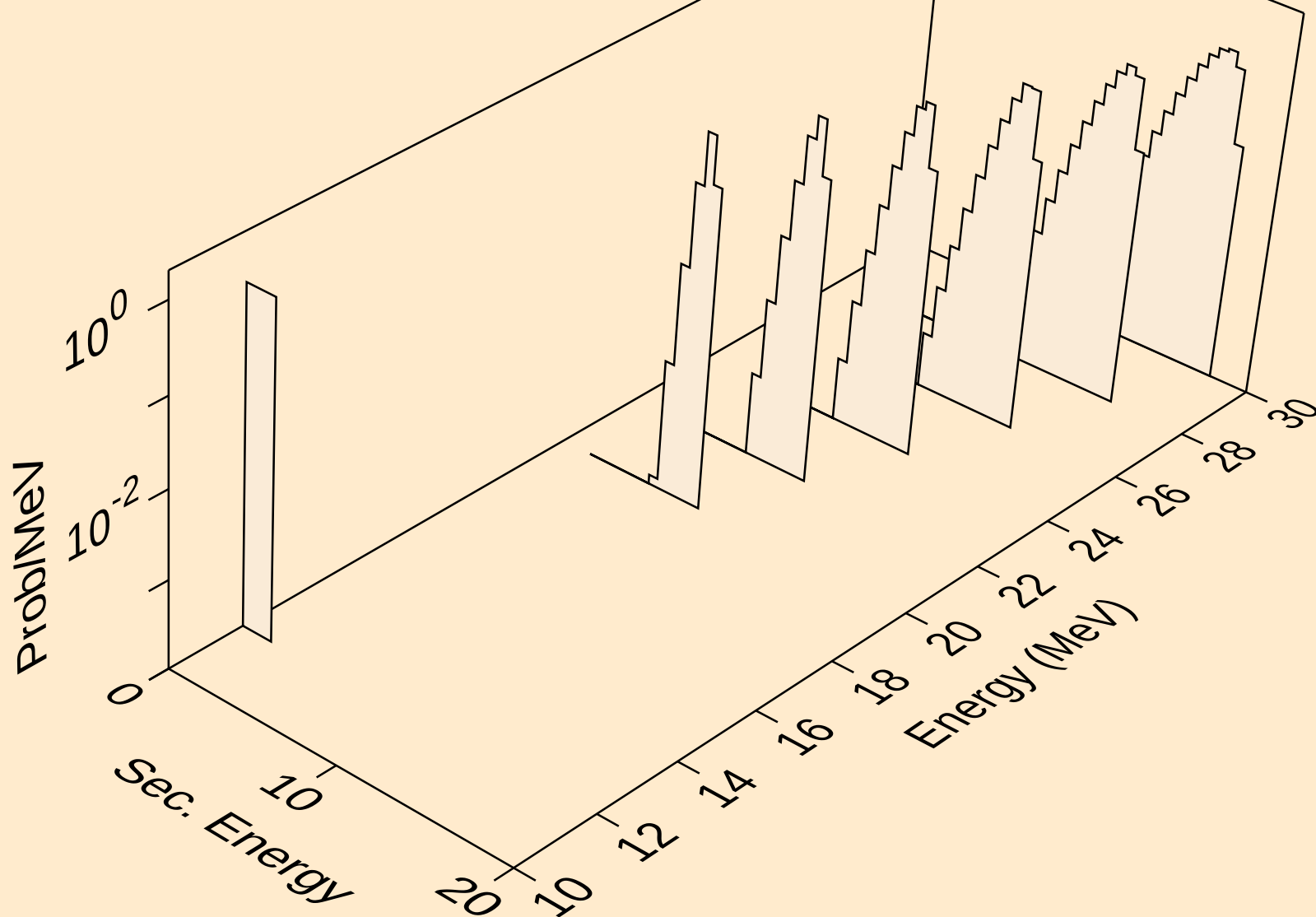
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



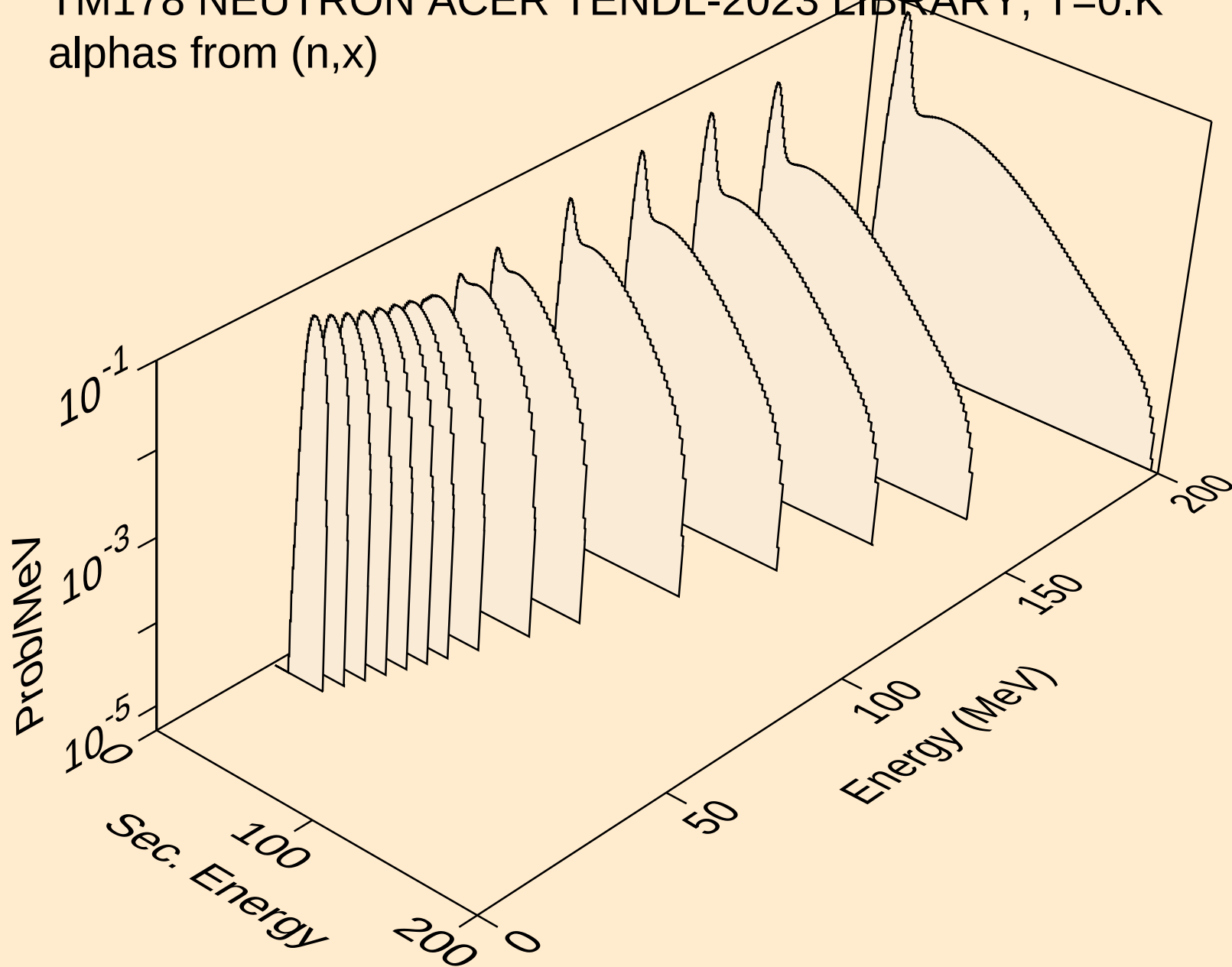
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



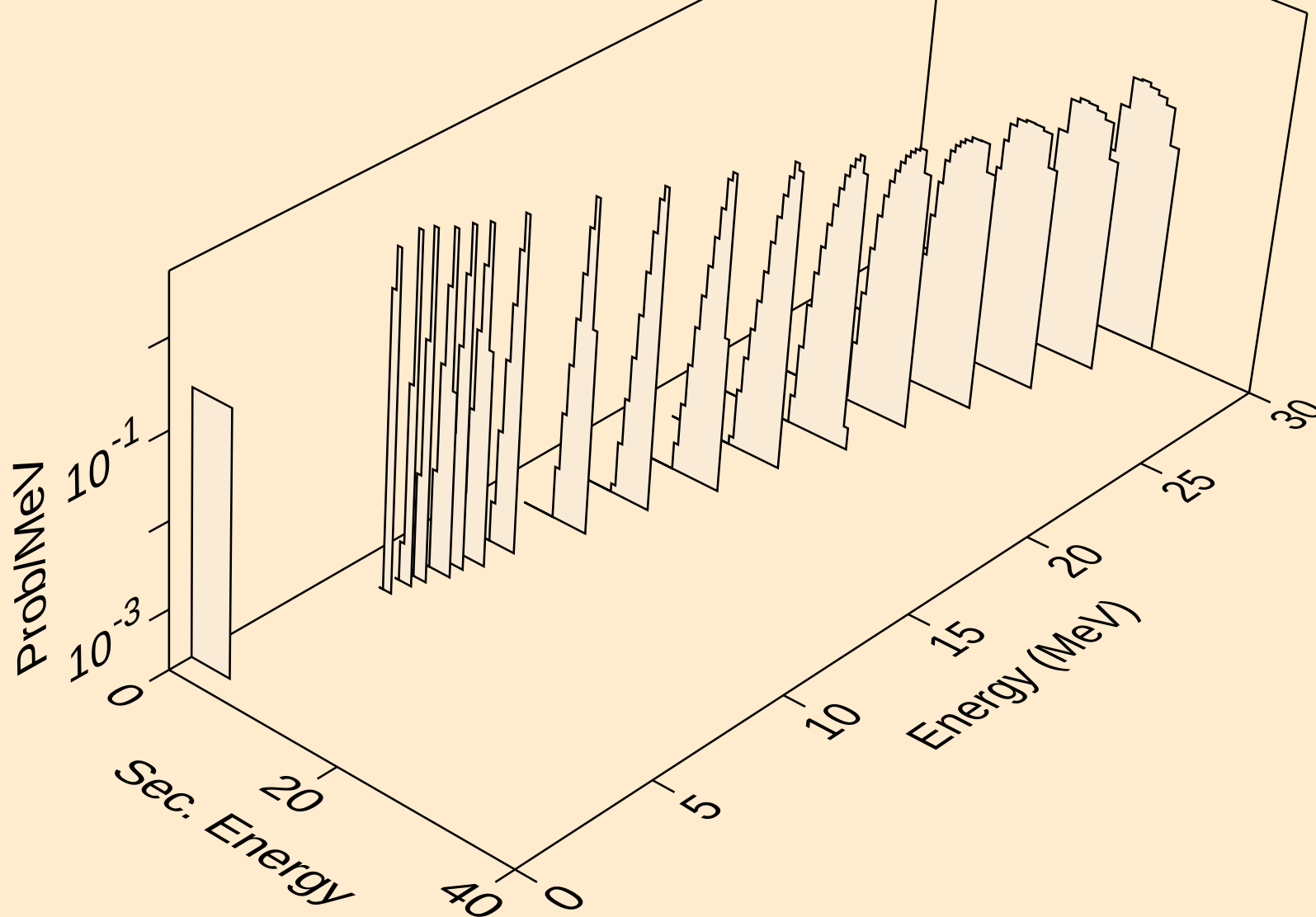
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he3s from (n,he3)



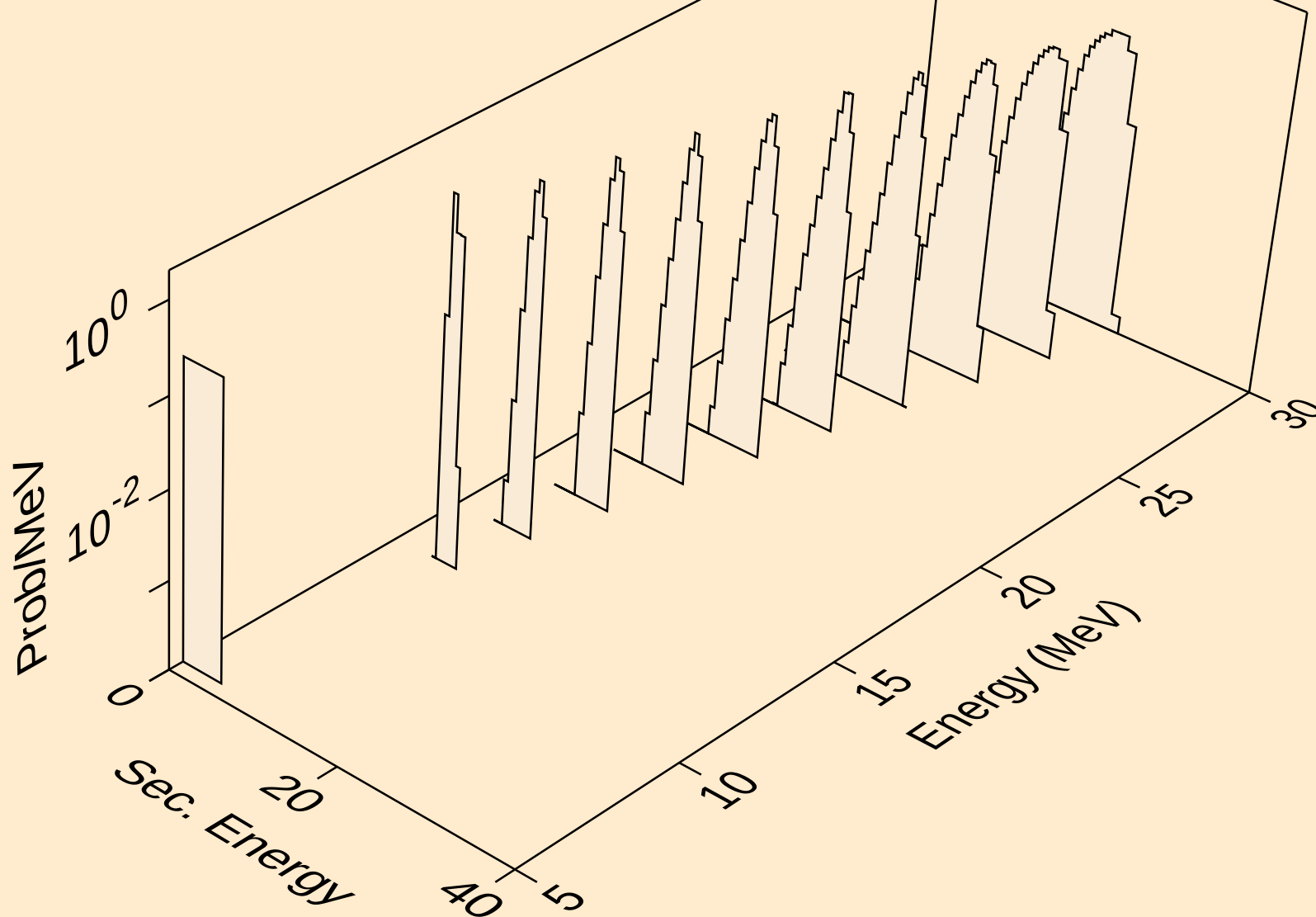
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



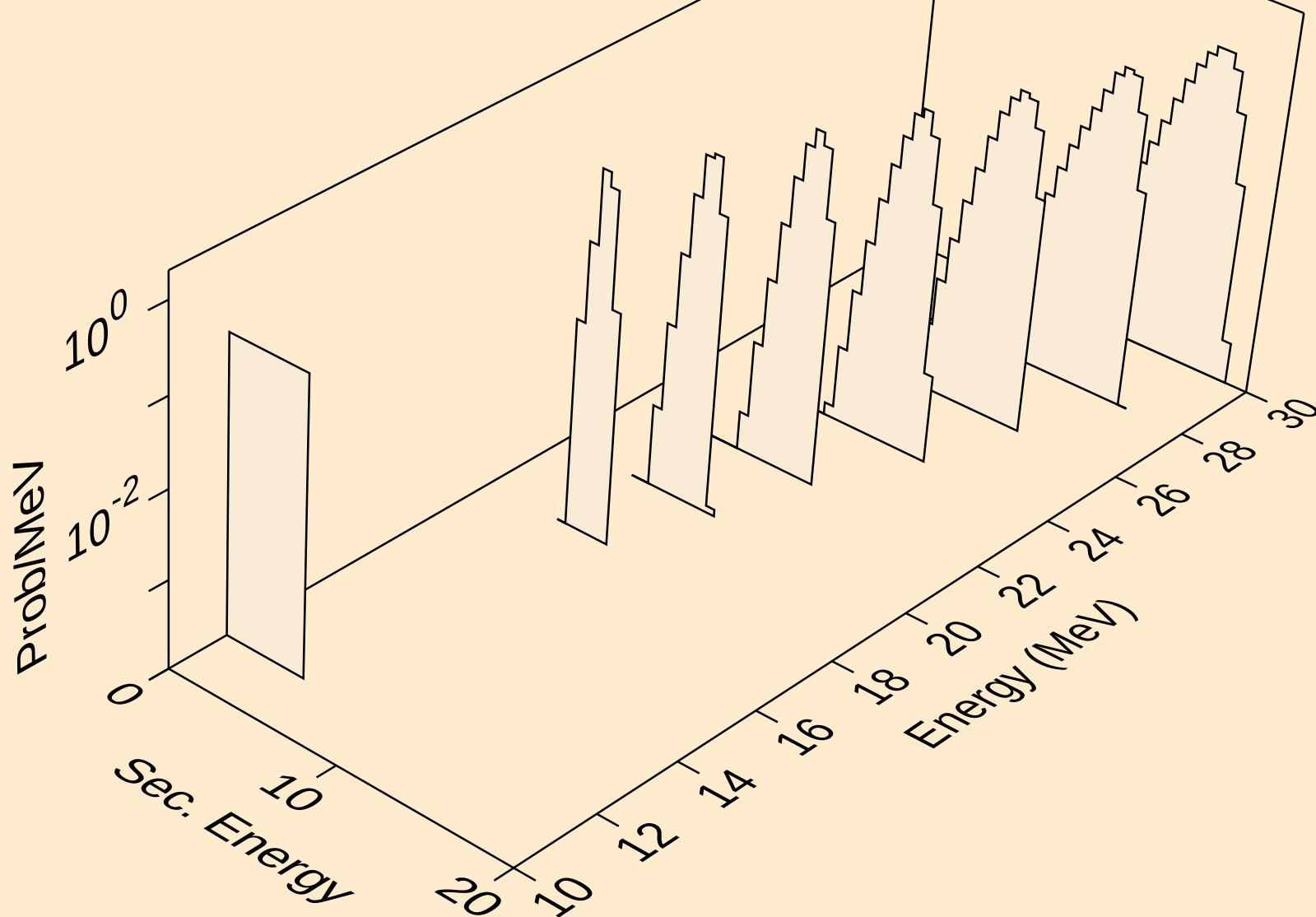
TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



TM178 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

