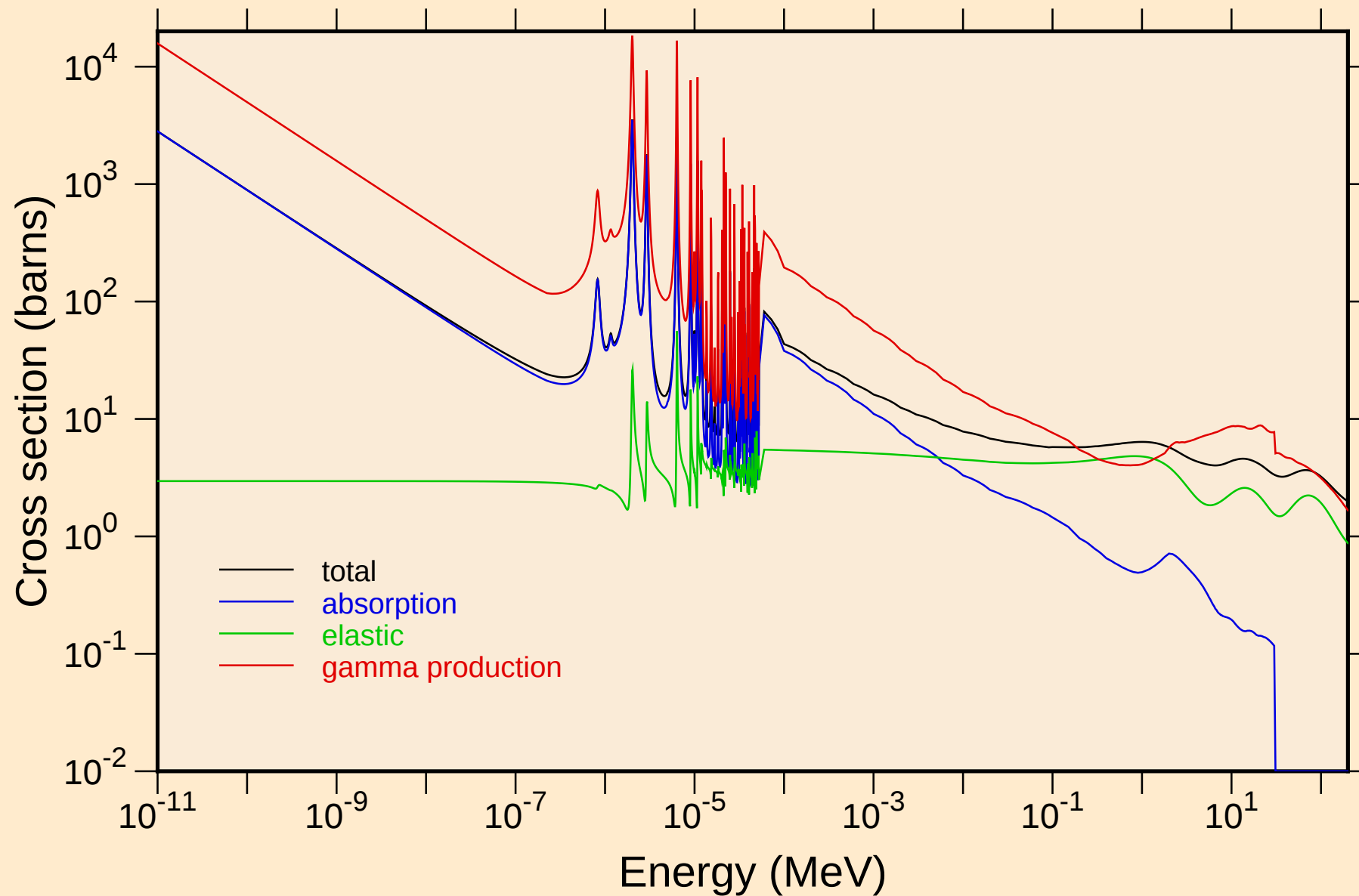
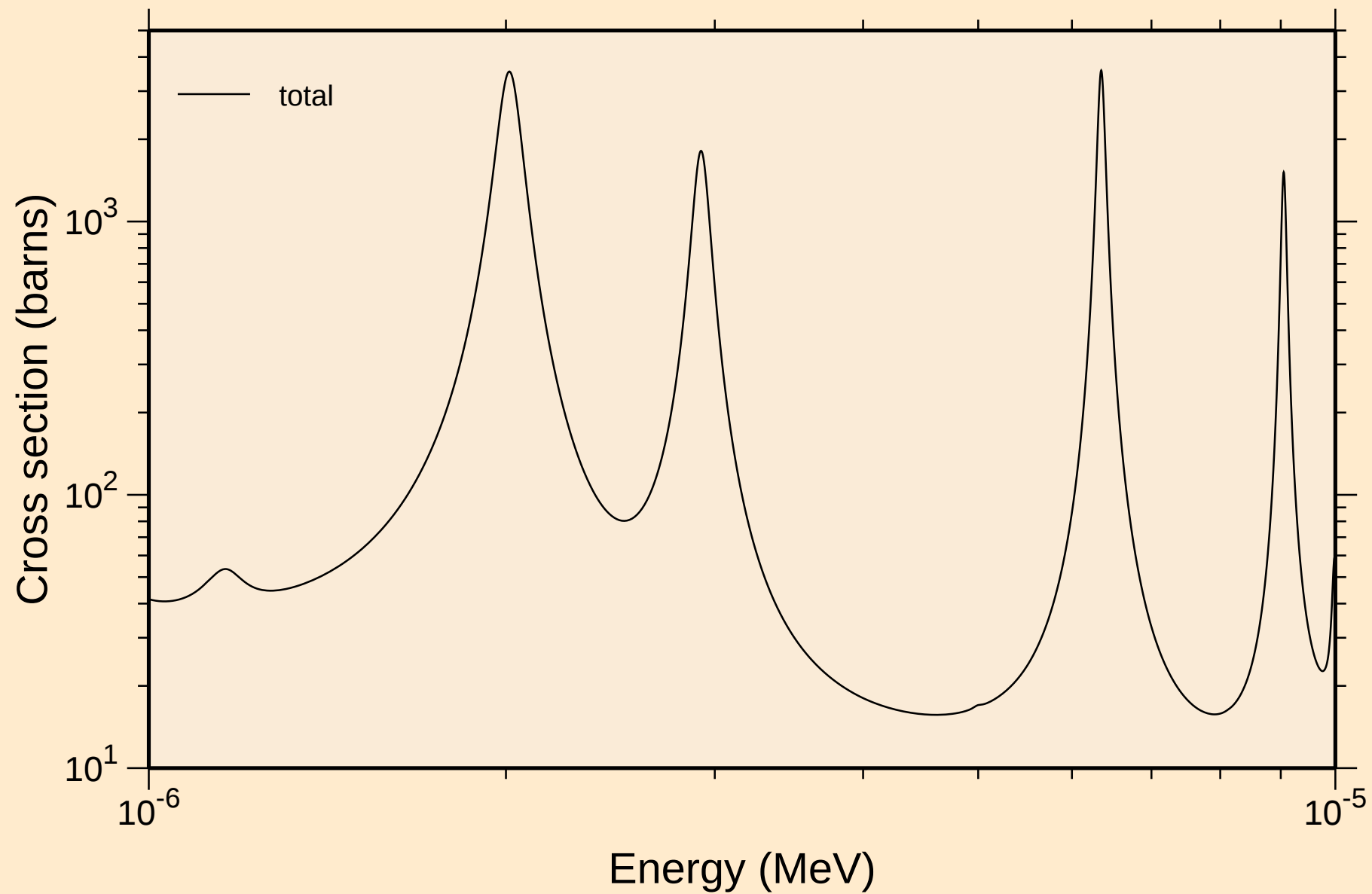


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

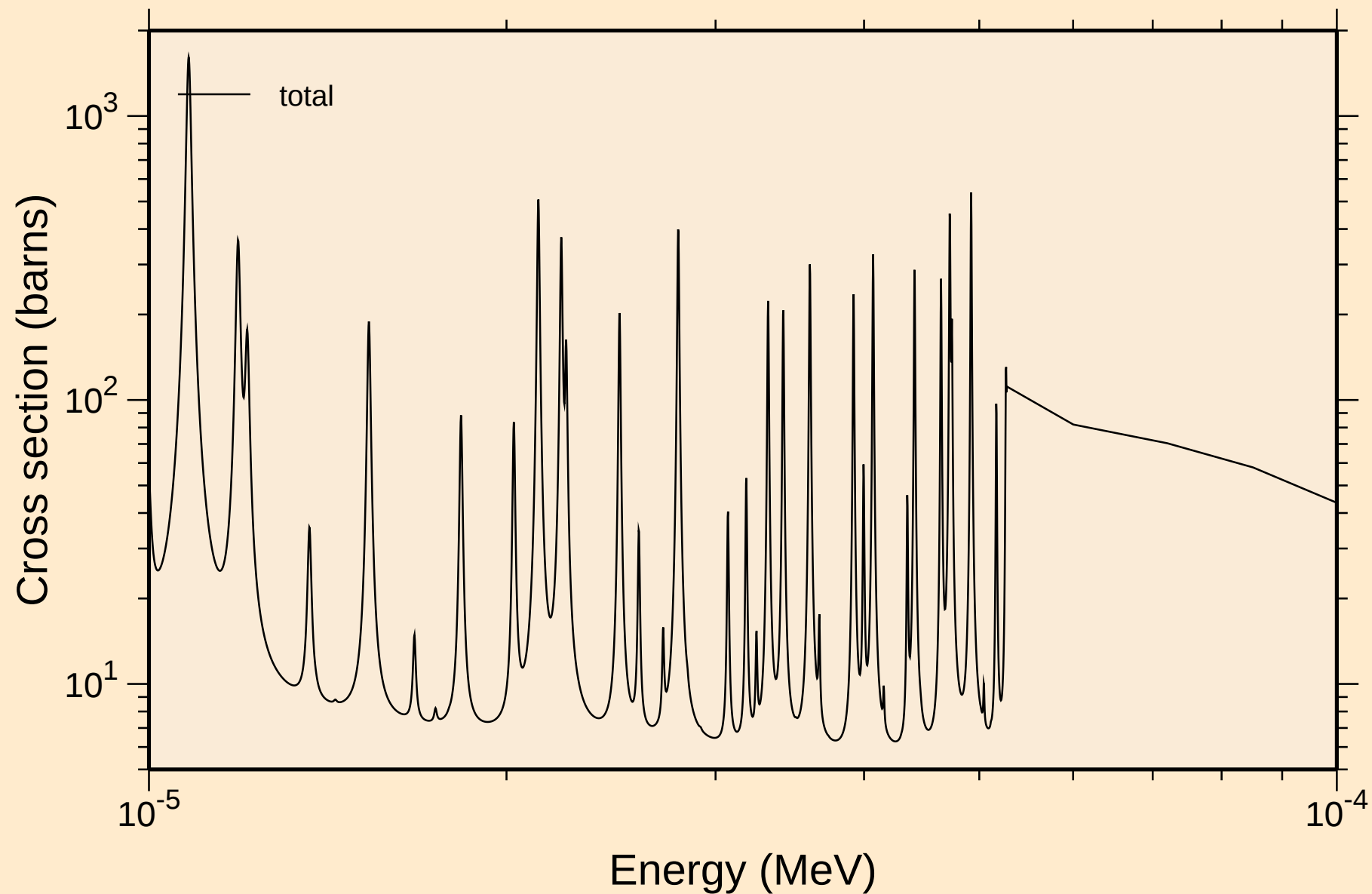
## Principal cross sections



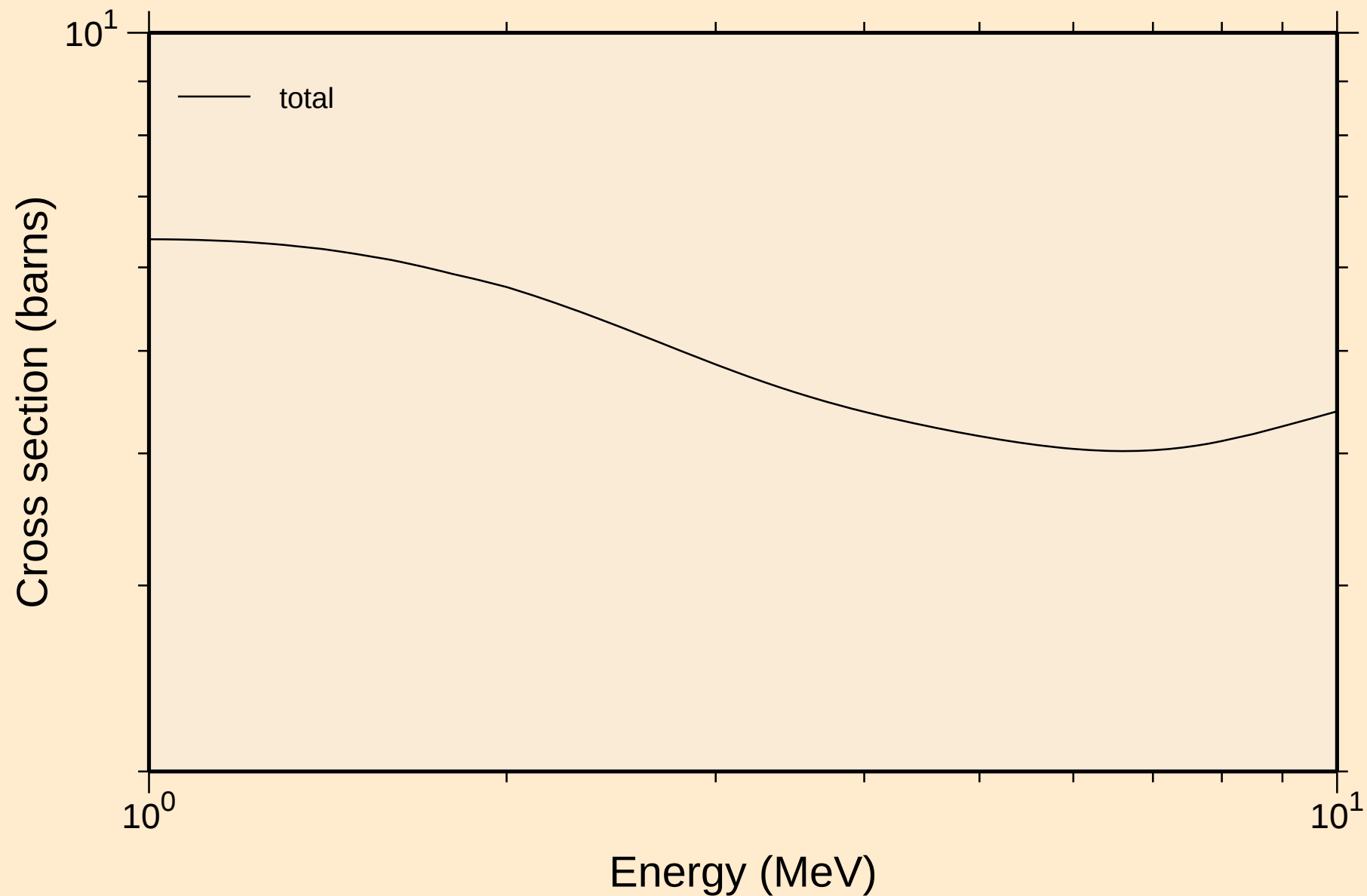
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



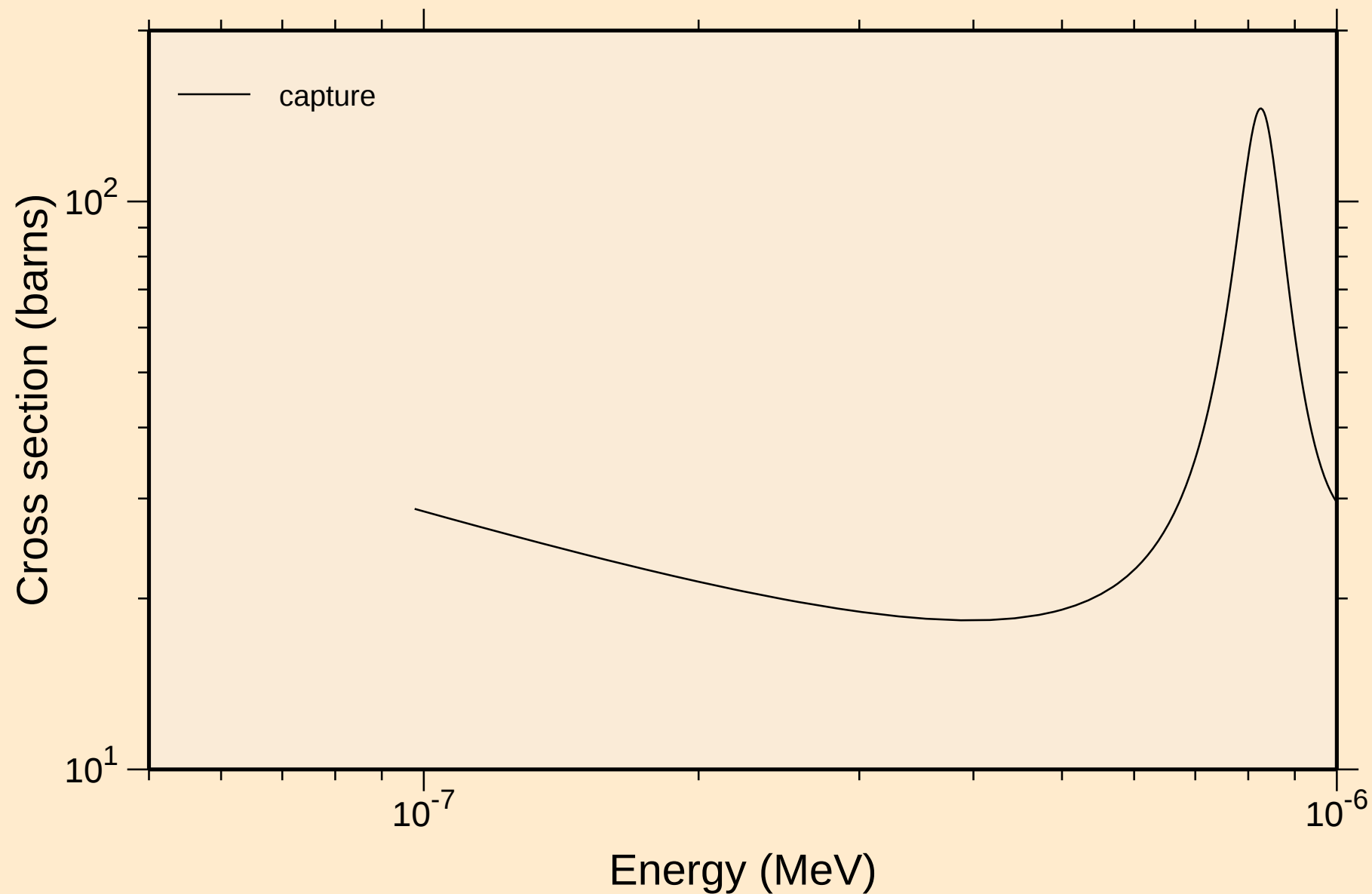
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



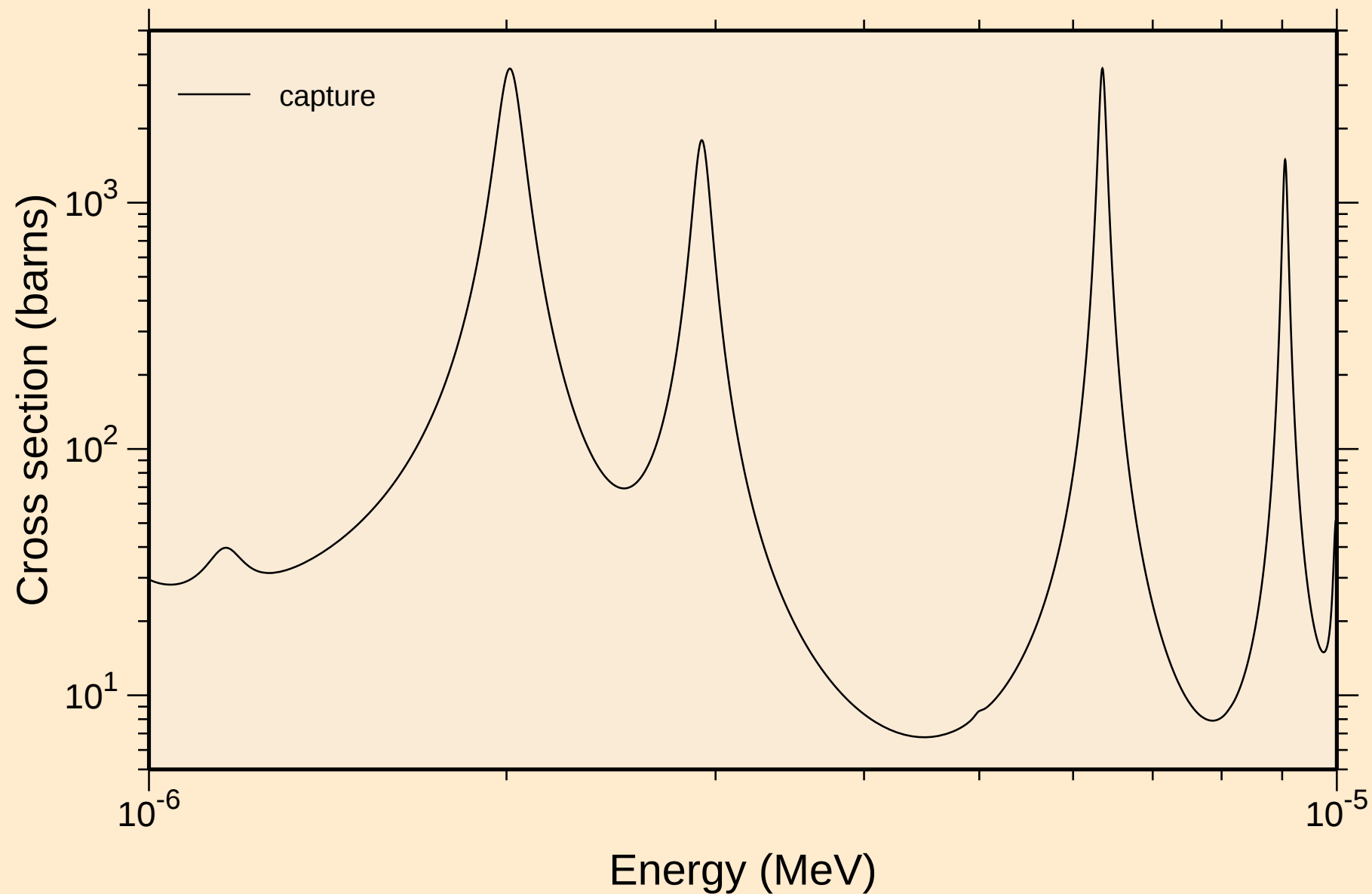
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resonance total cross section



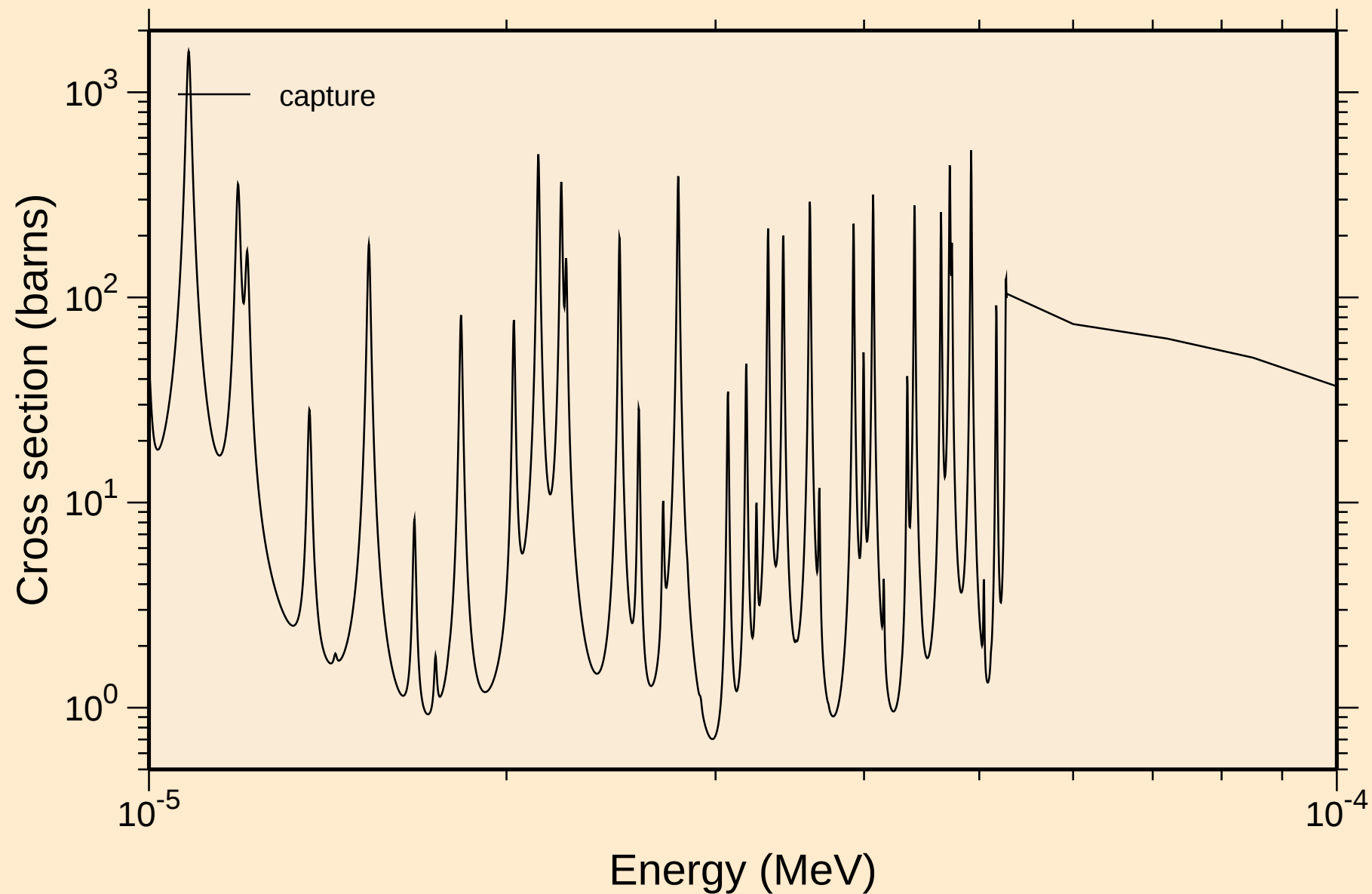
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



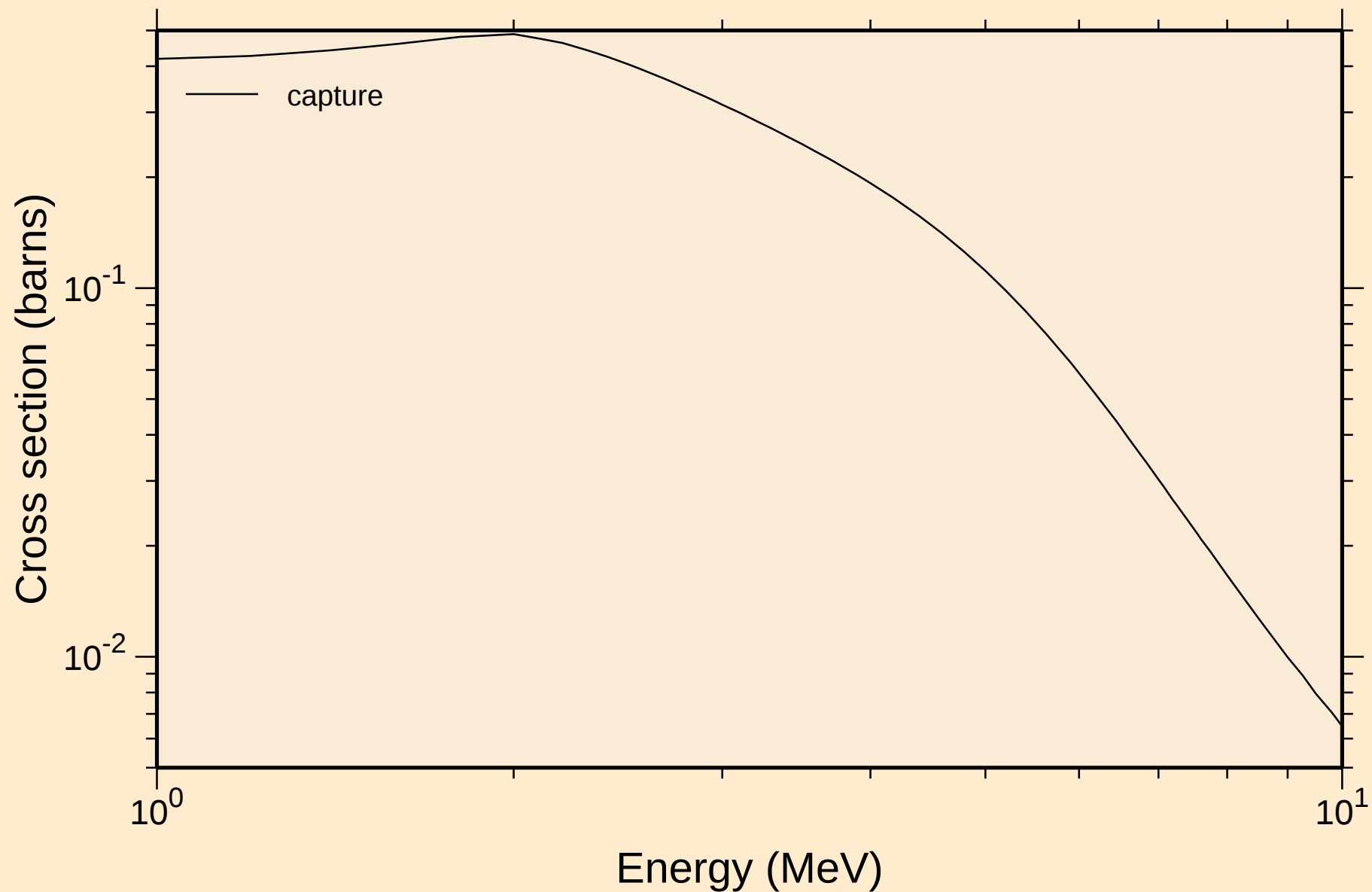
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

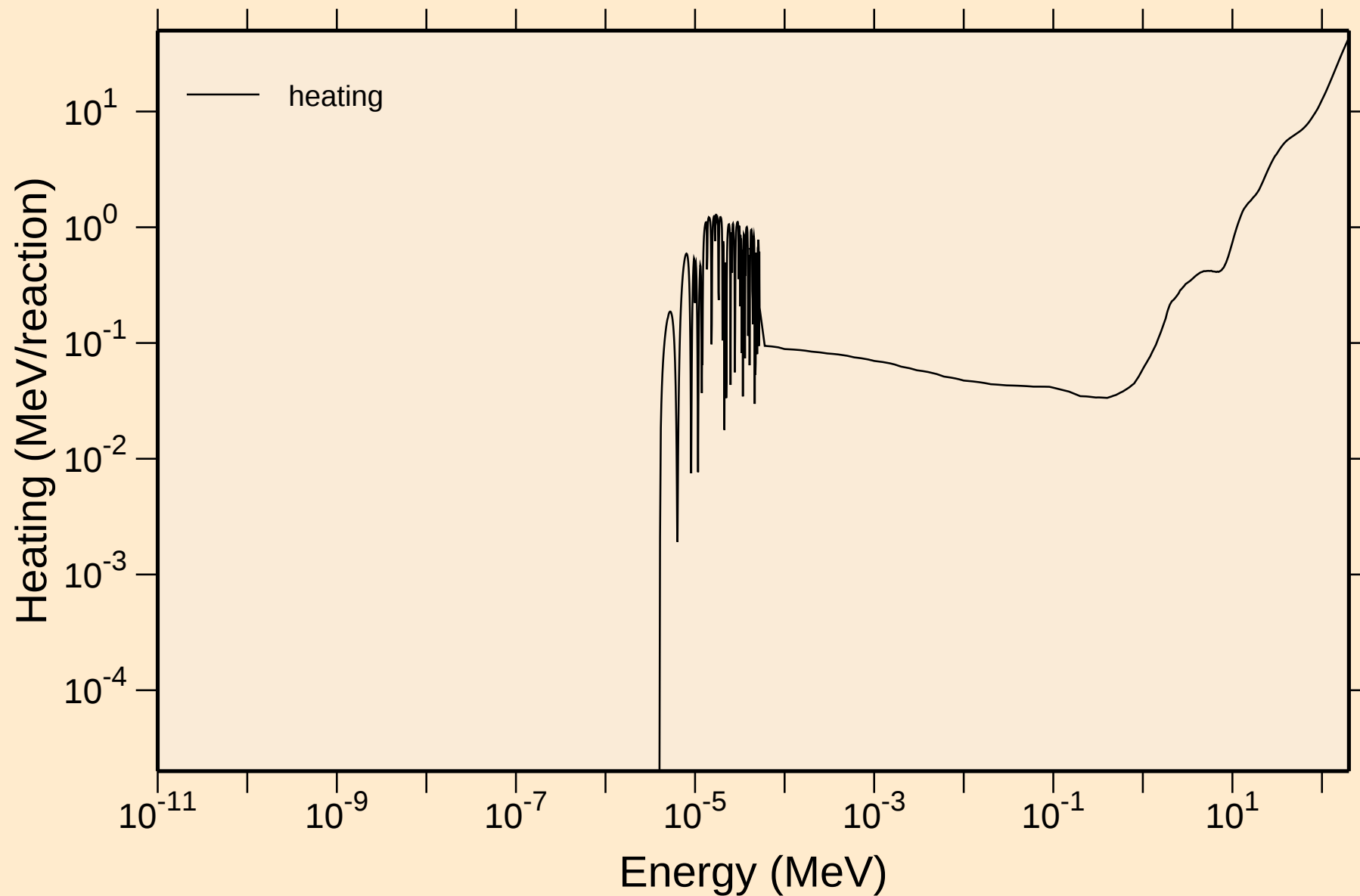


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



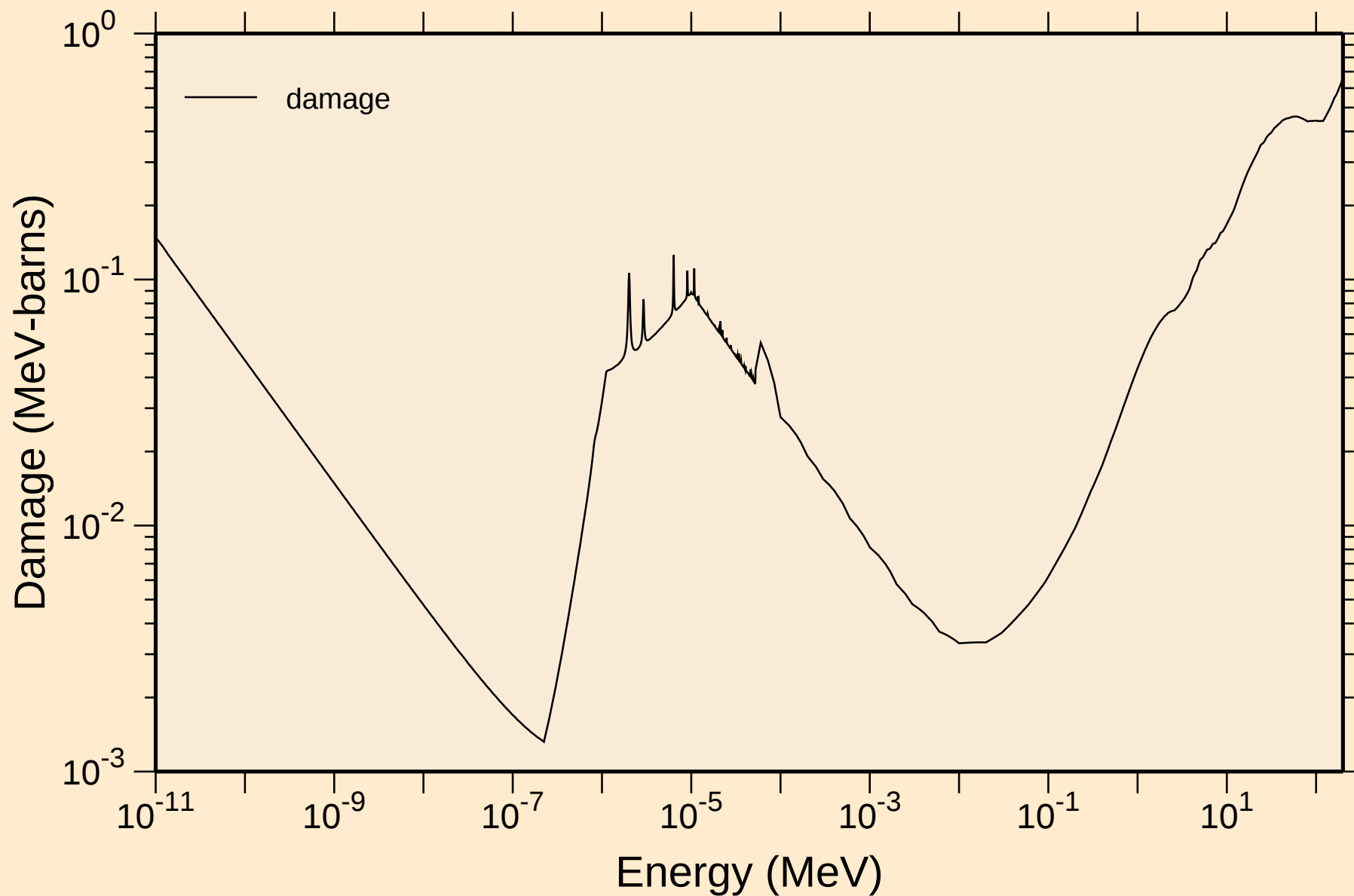
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

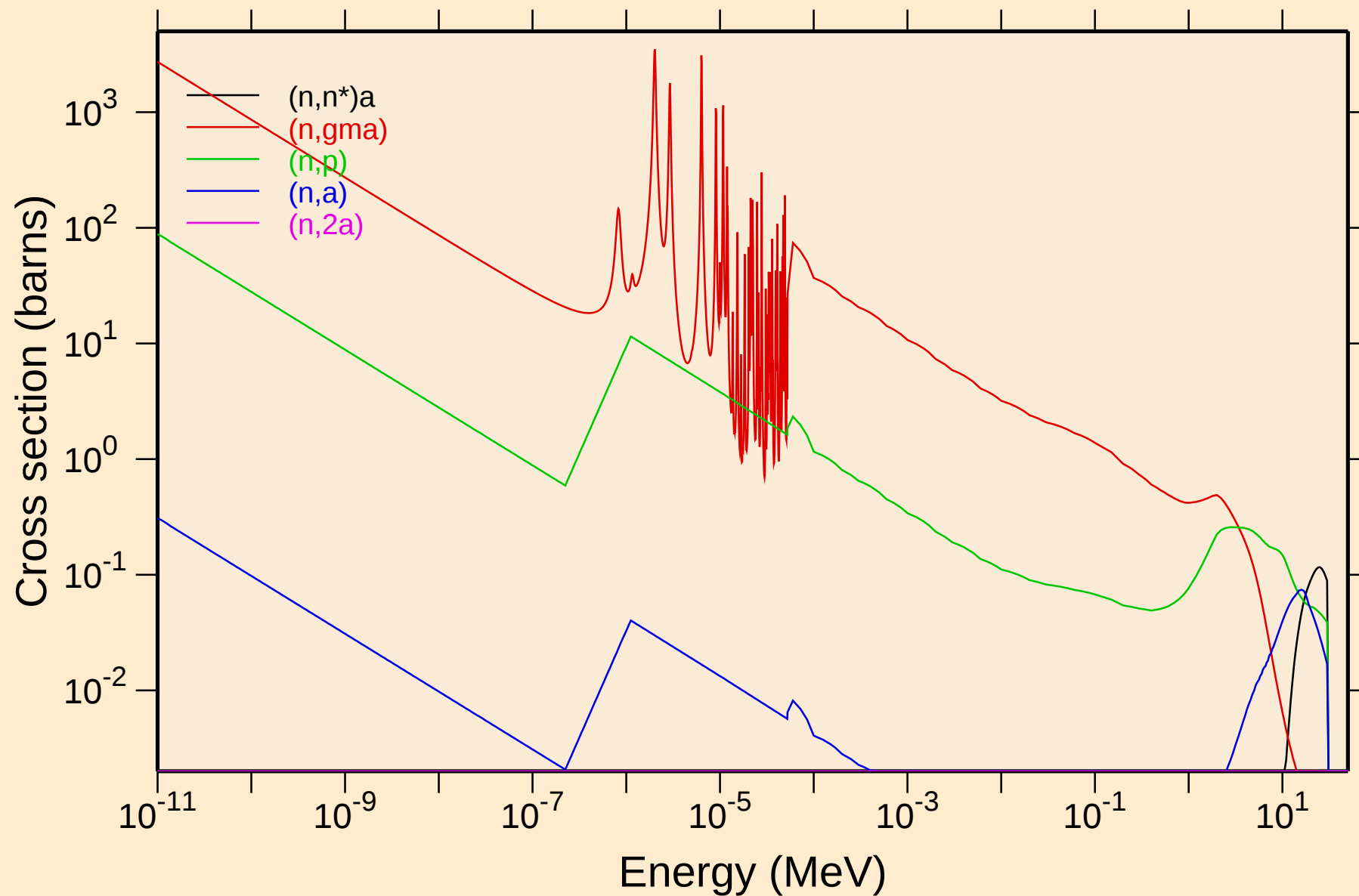


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

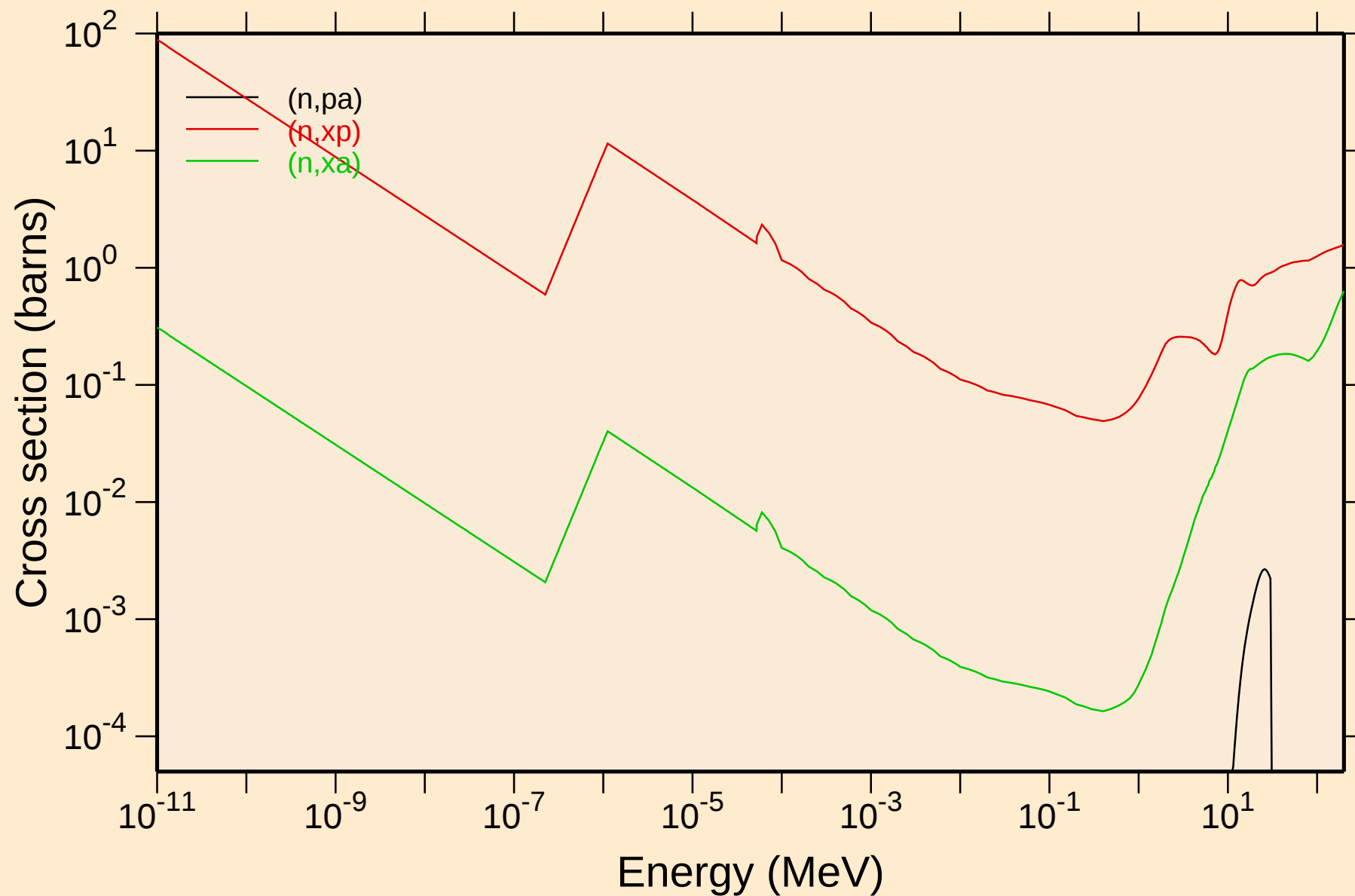


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



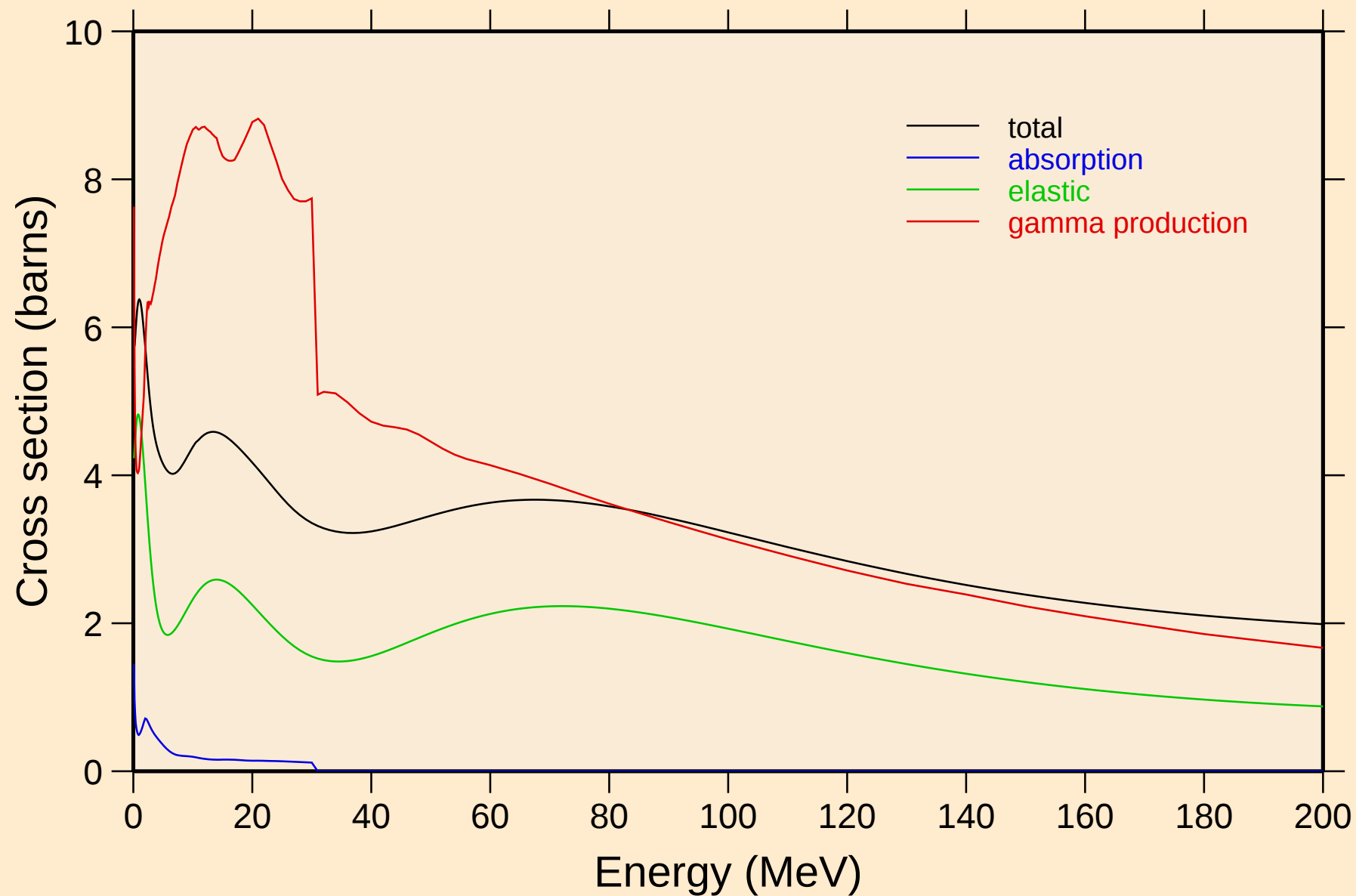
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Non-threshold reactions



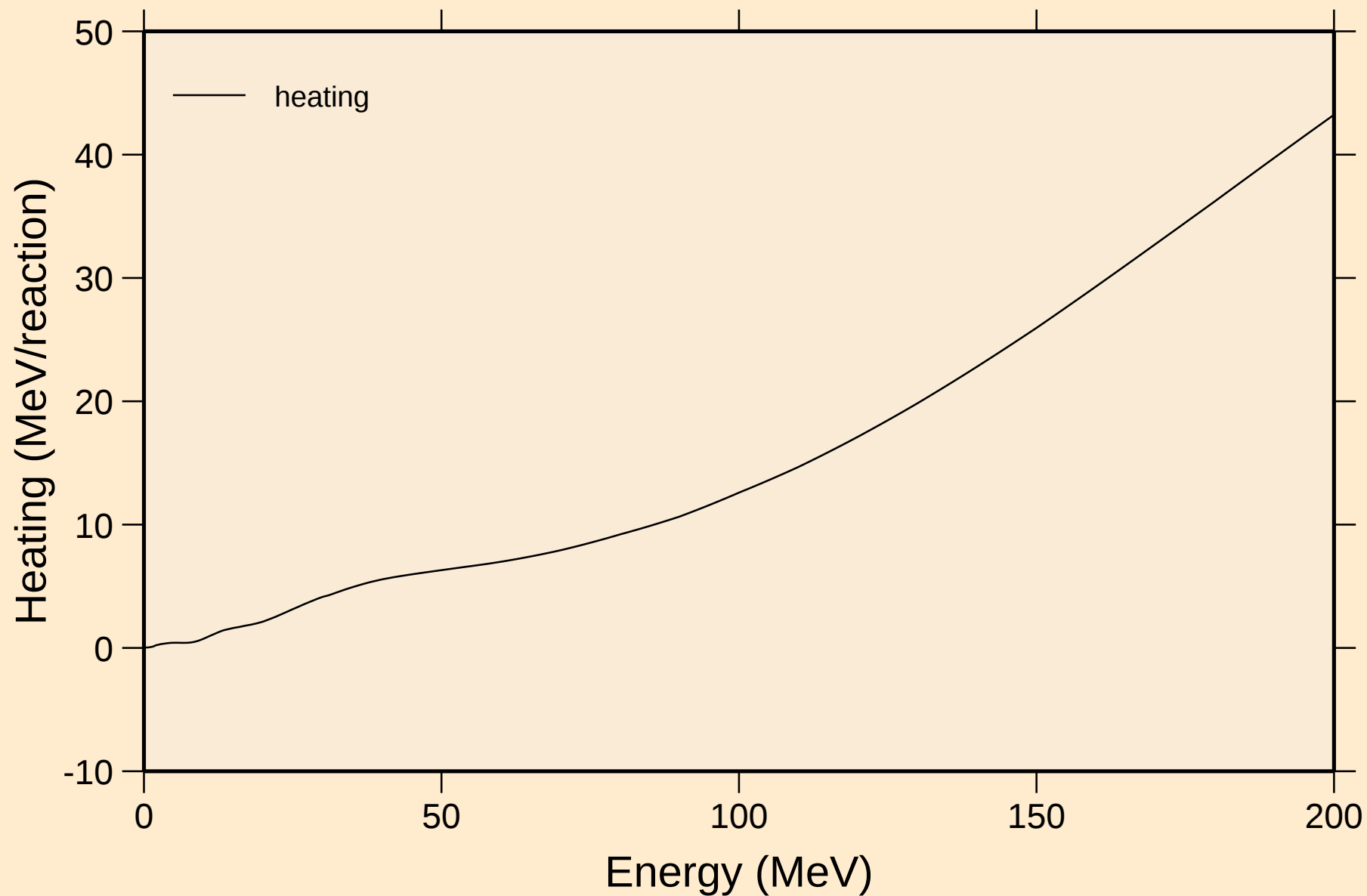
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



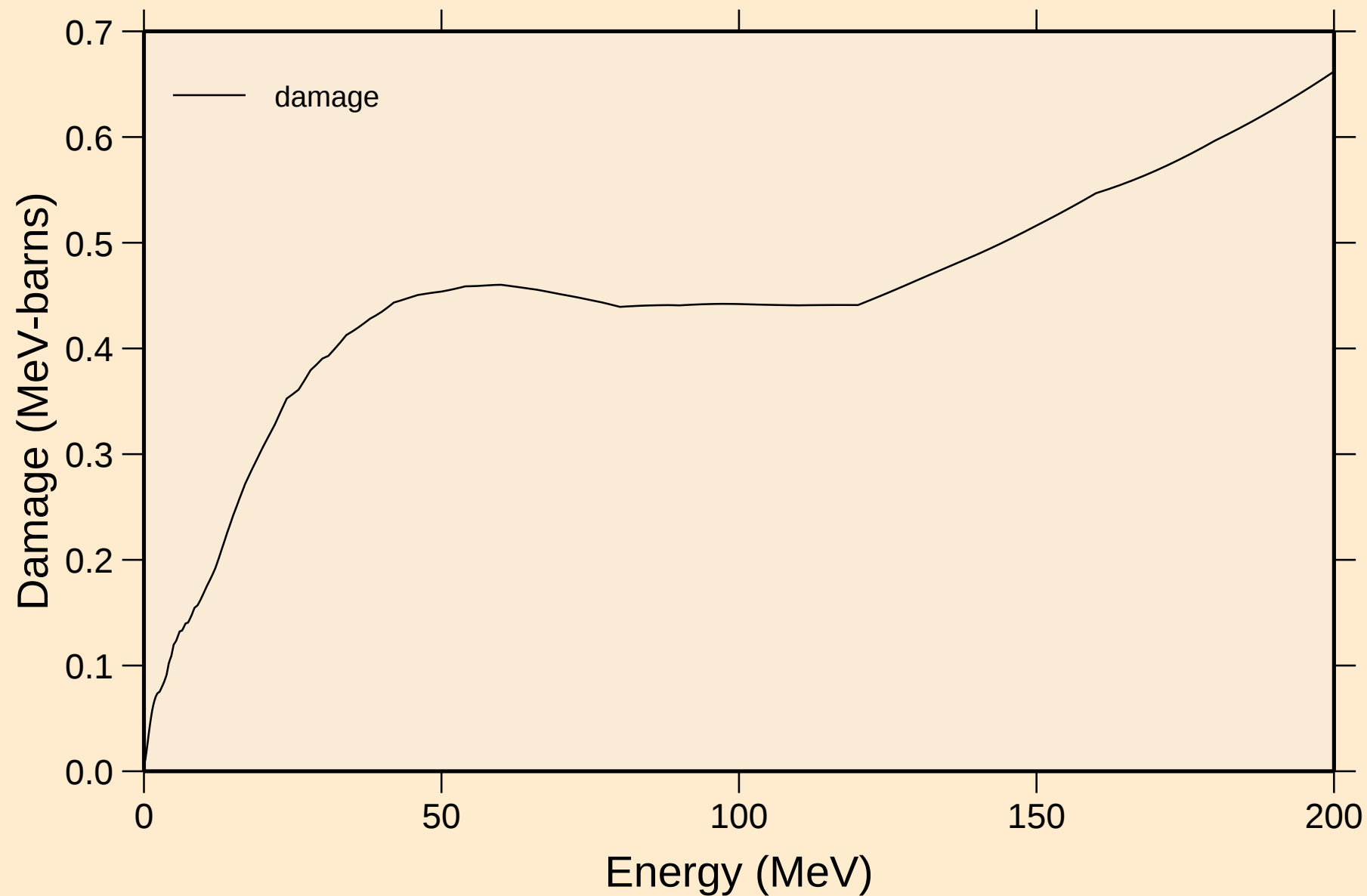
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

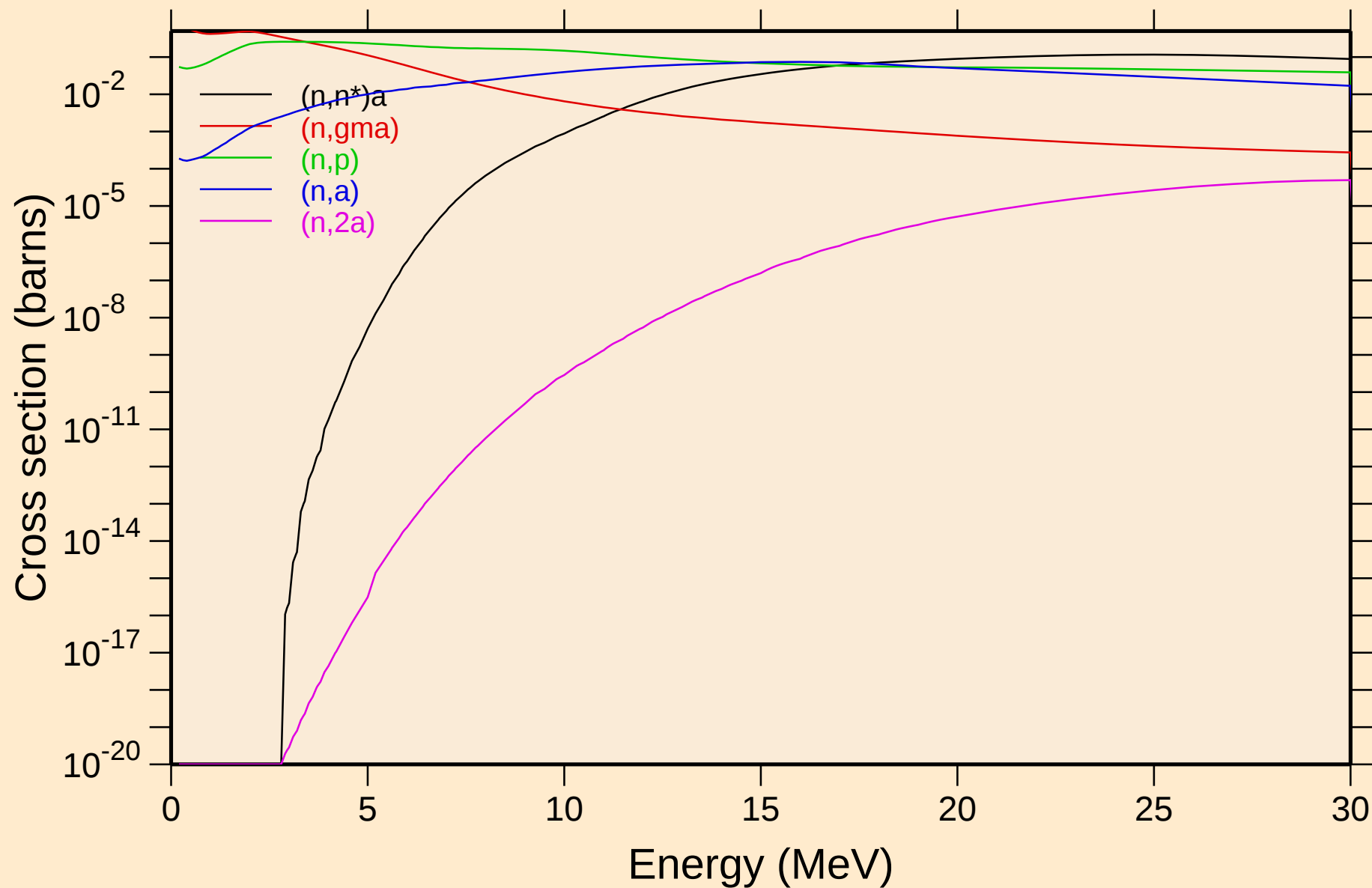


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

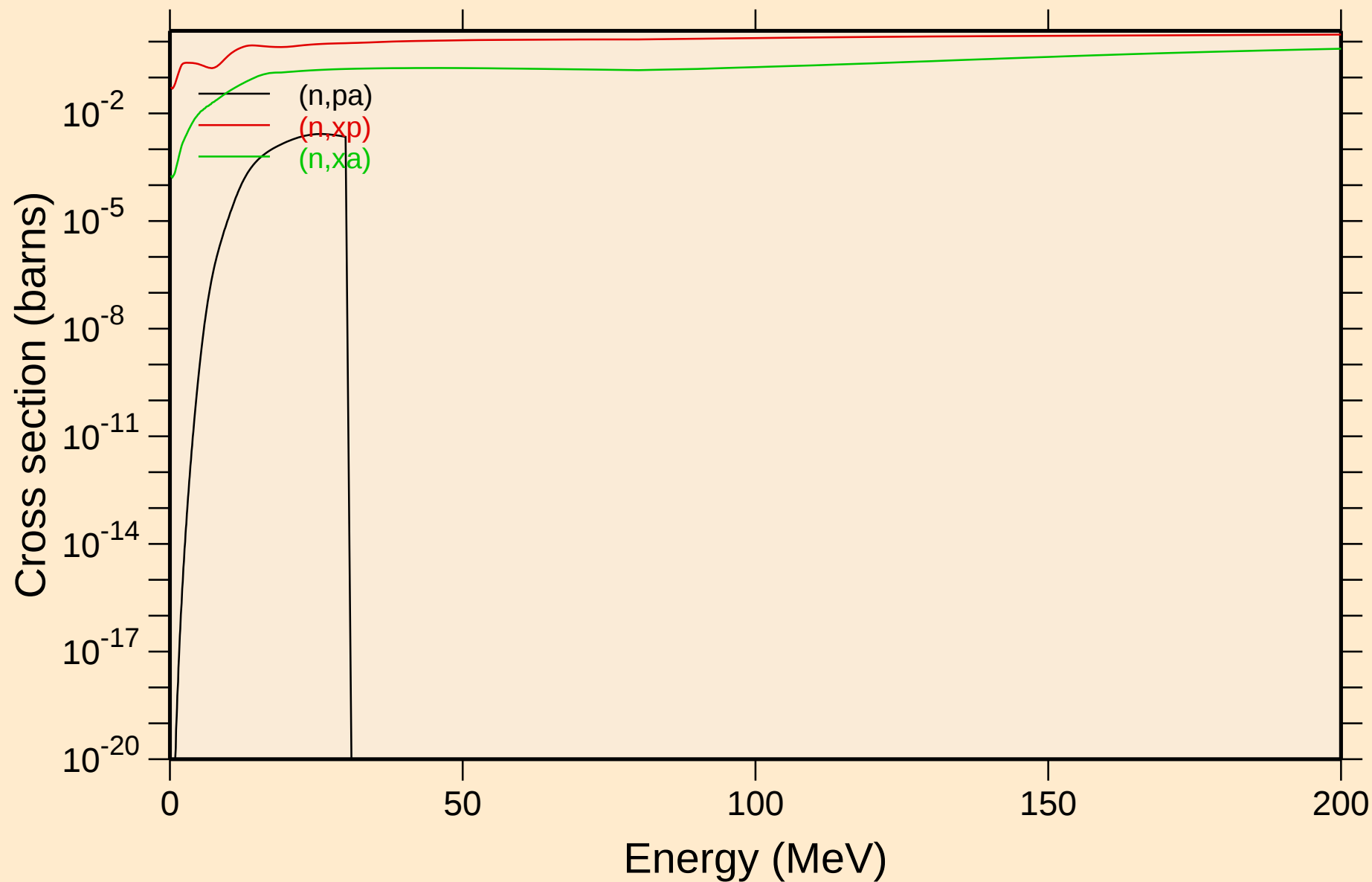
Damage



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

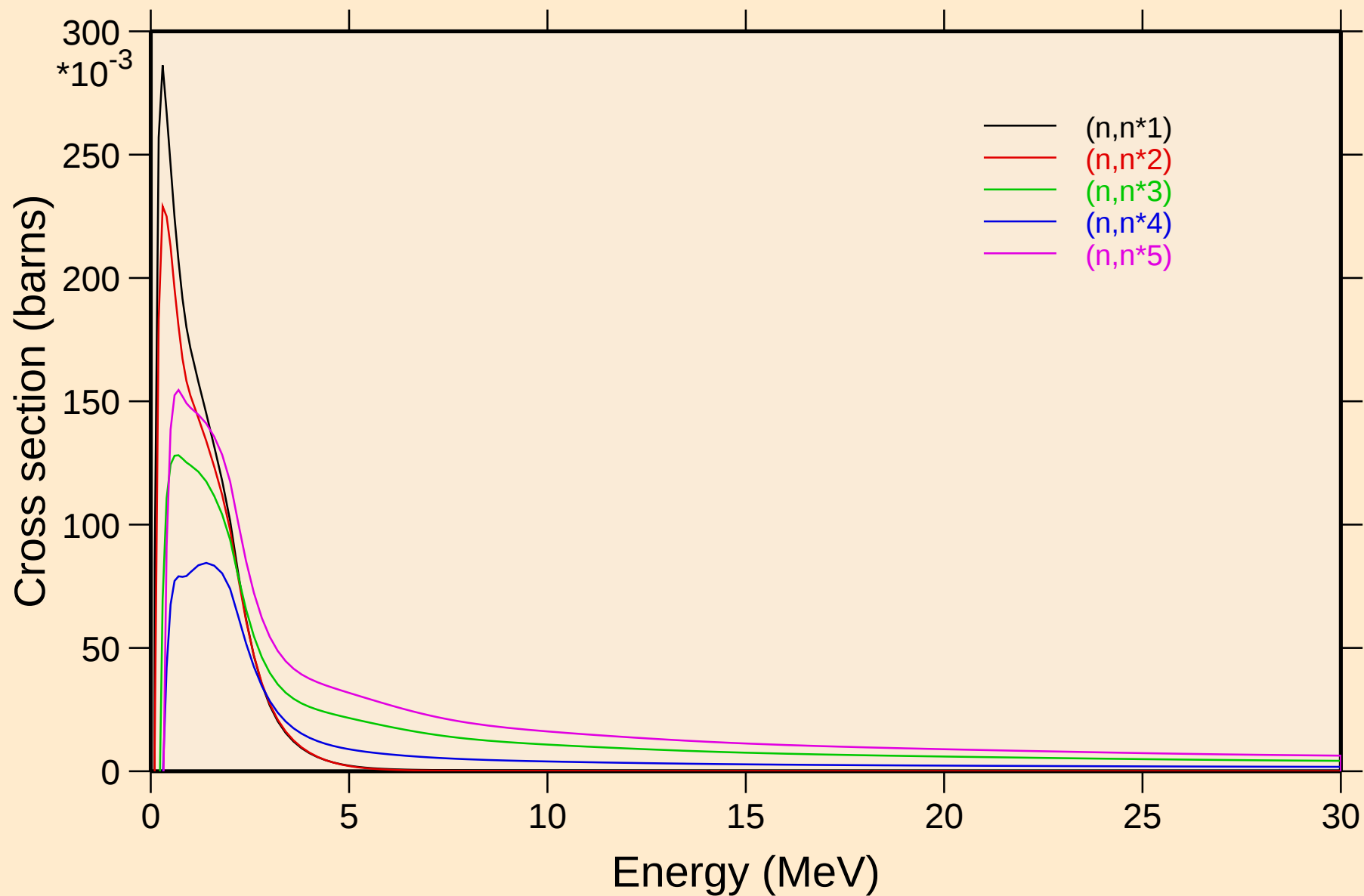


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



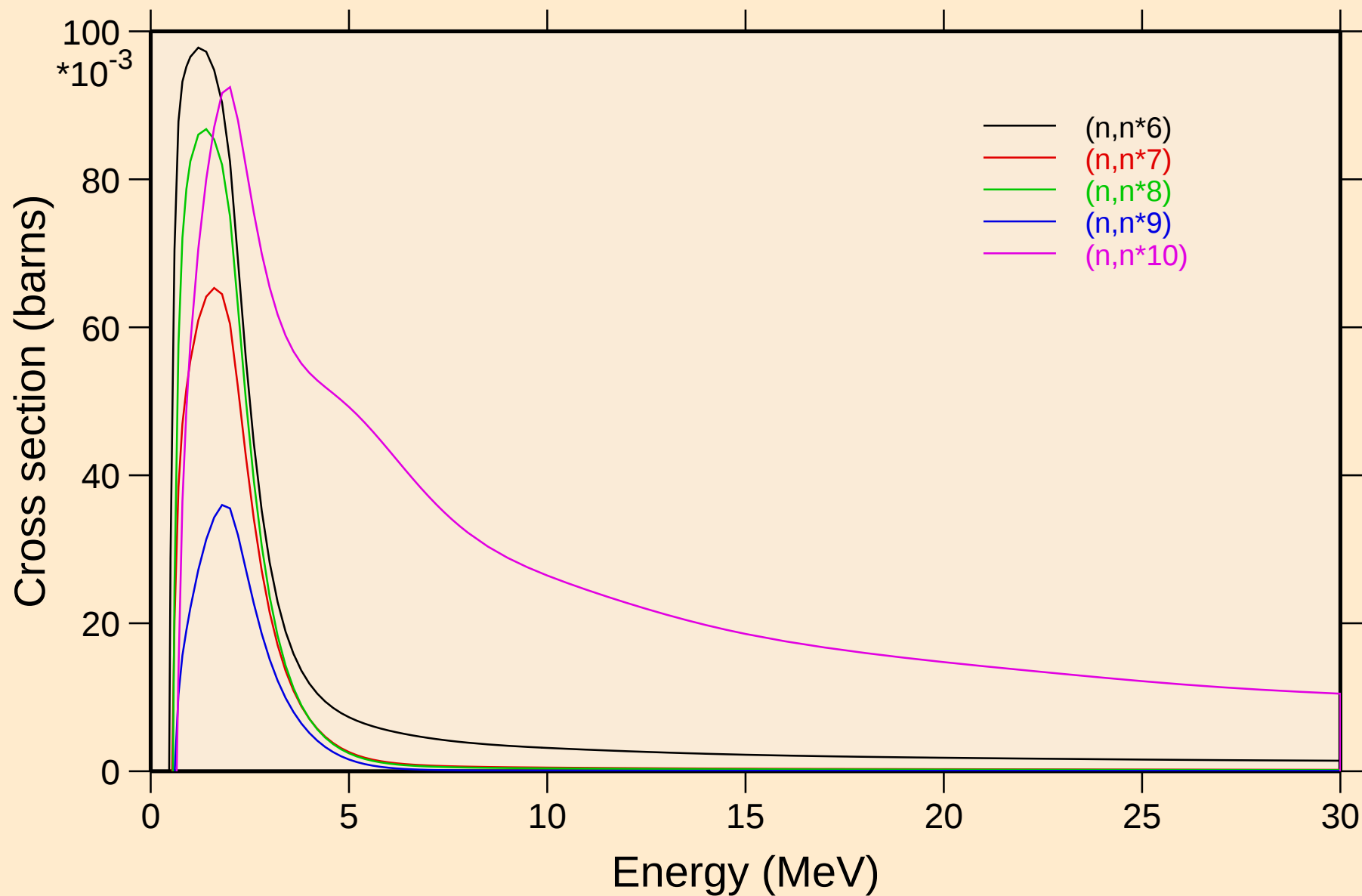
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



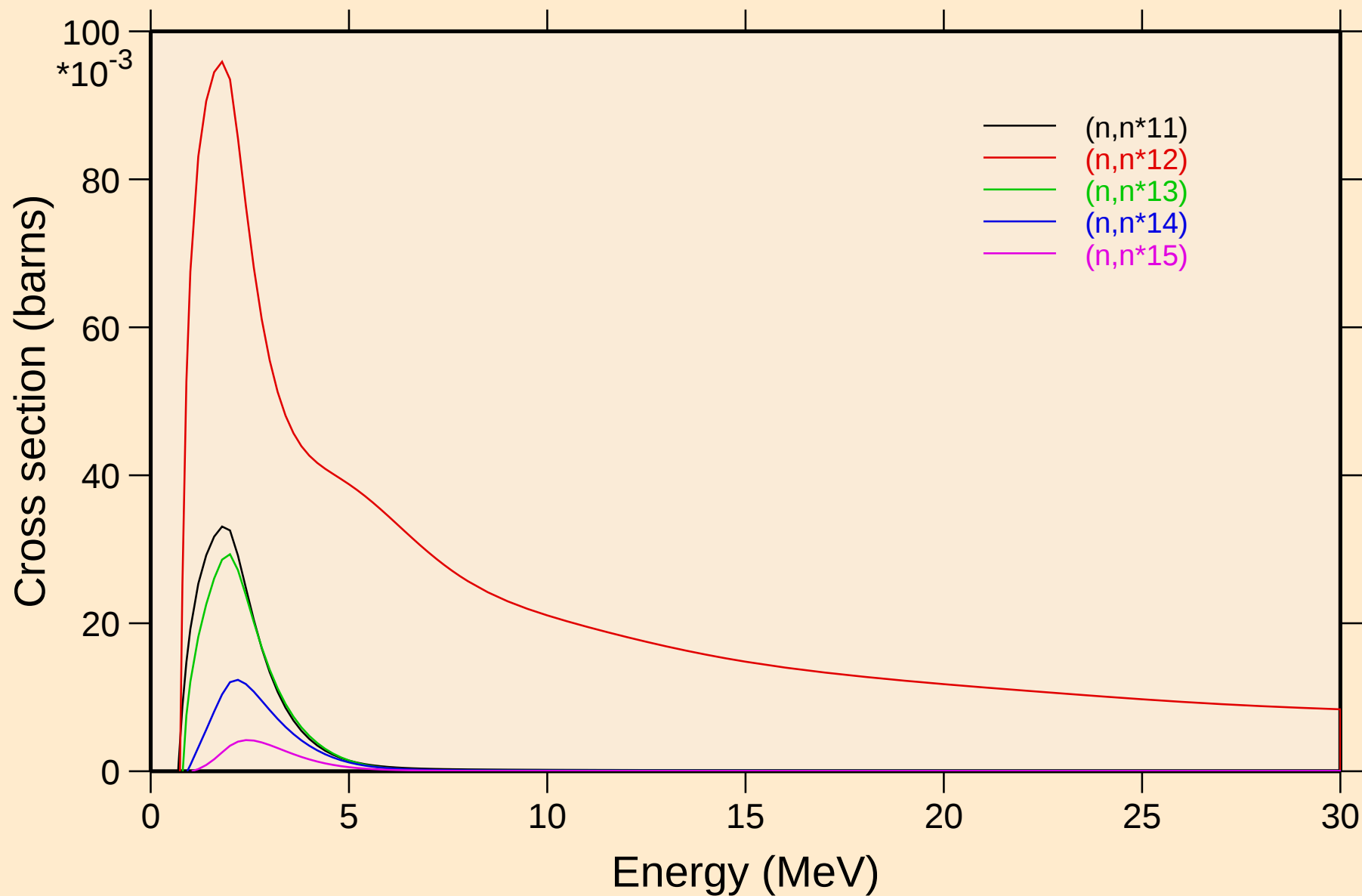
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



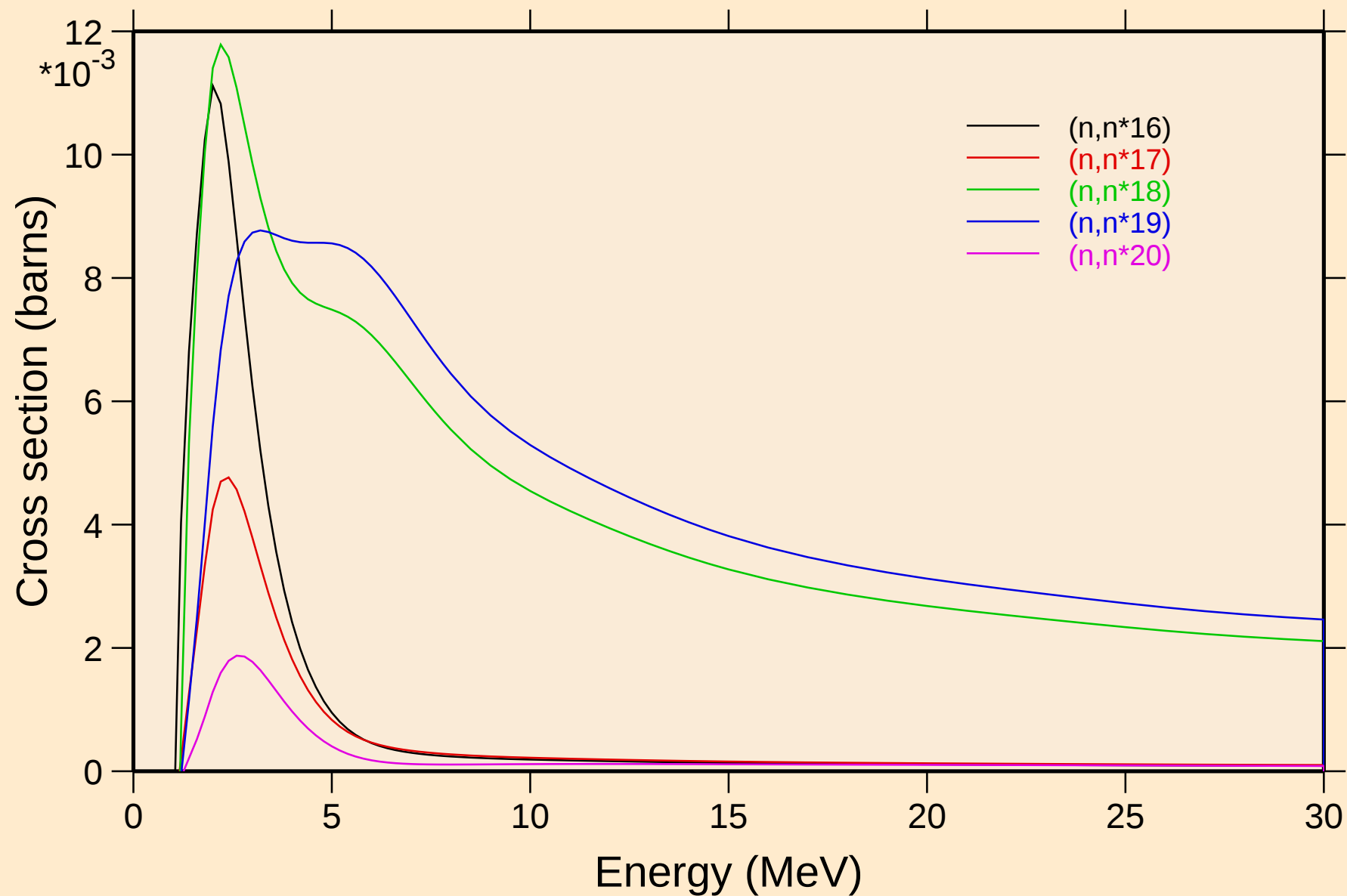
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



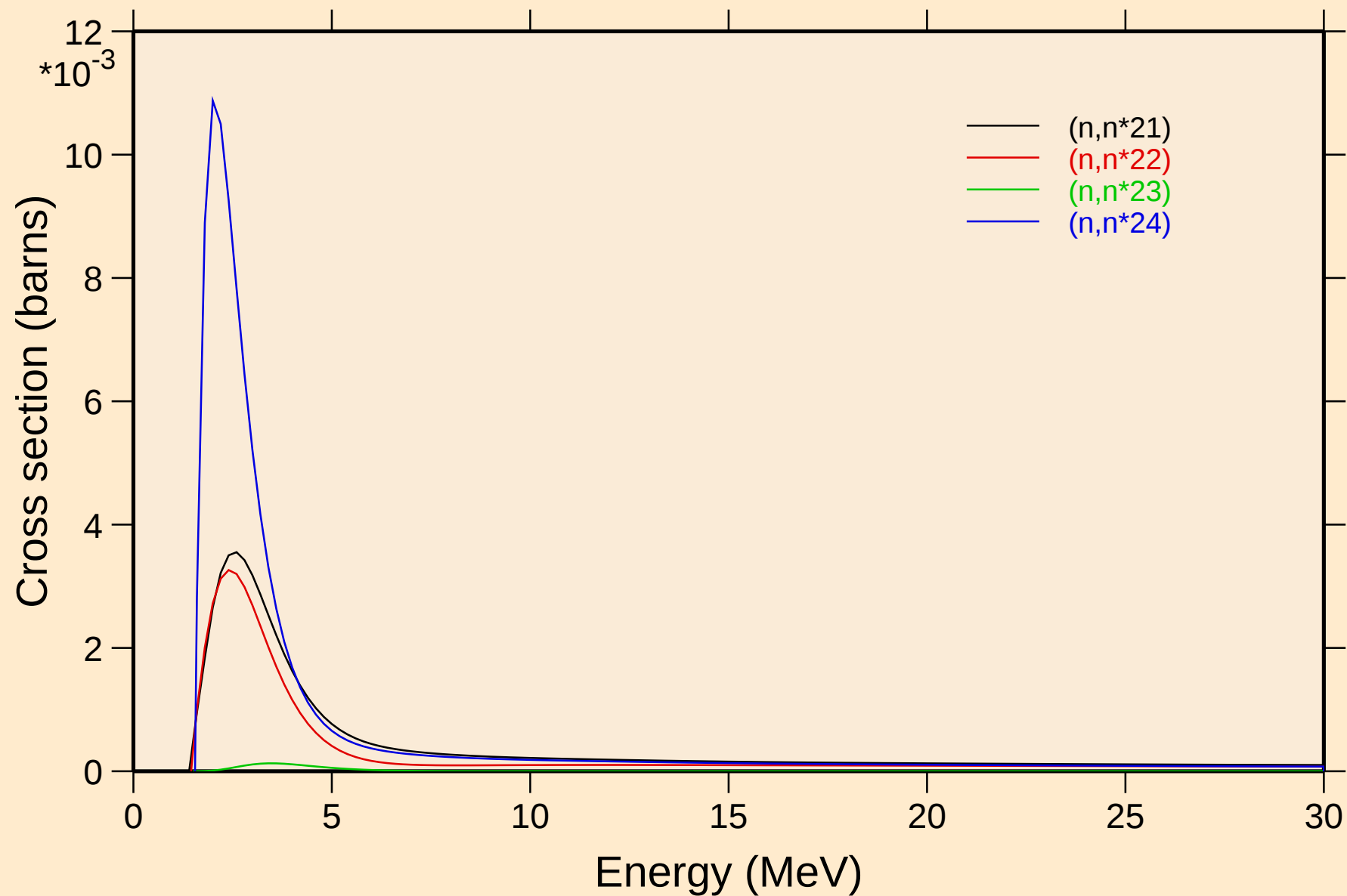
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



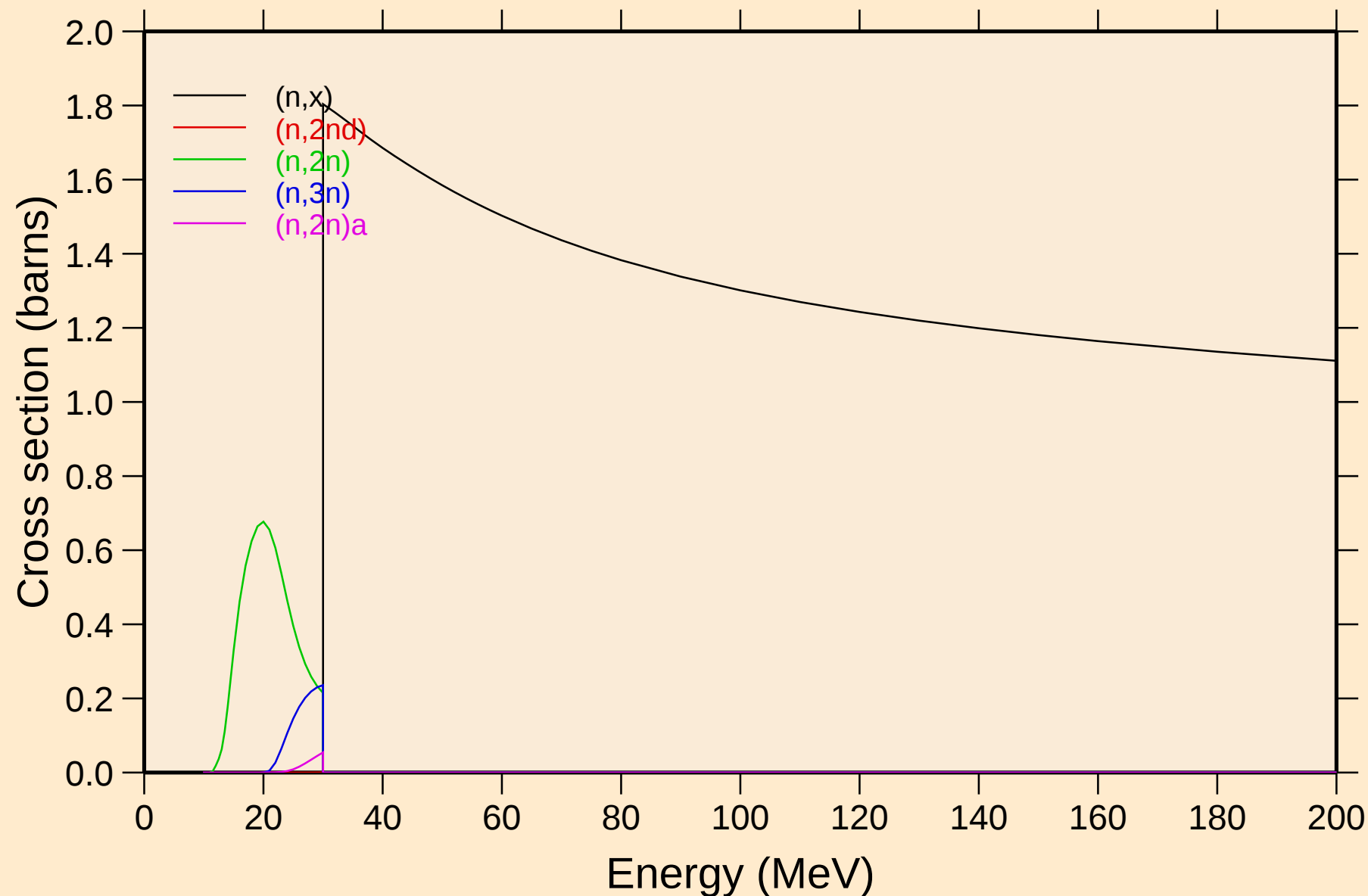
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



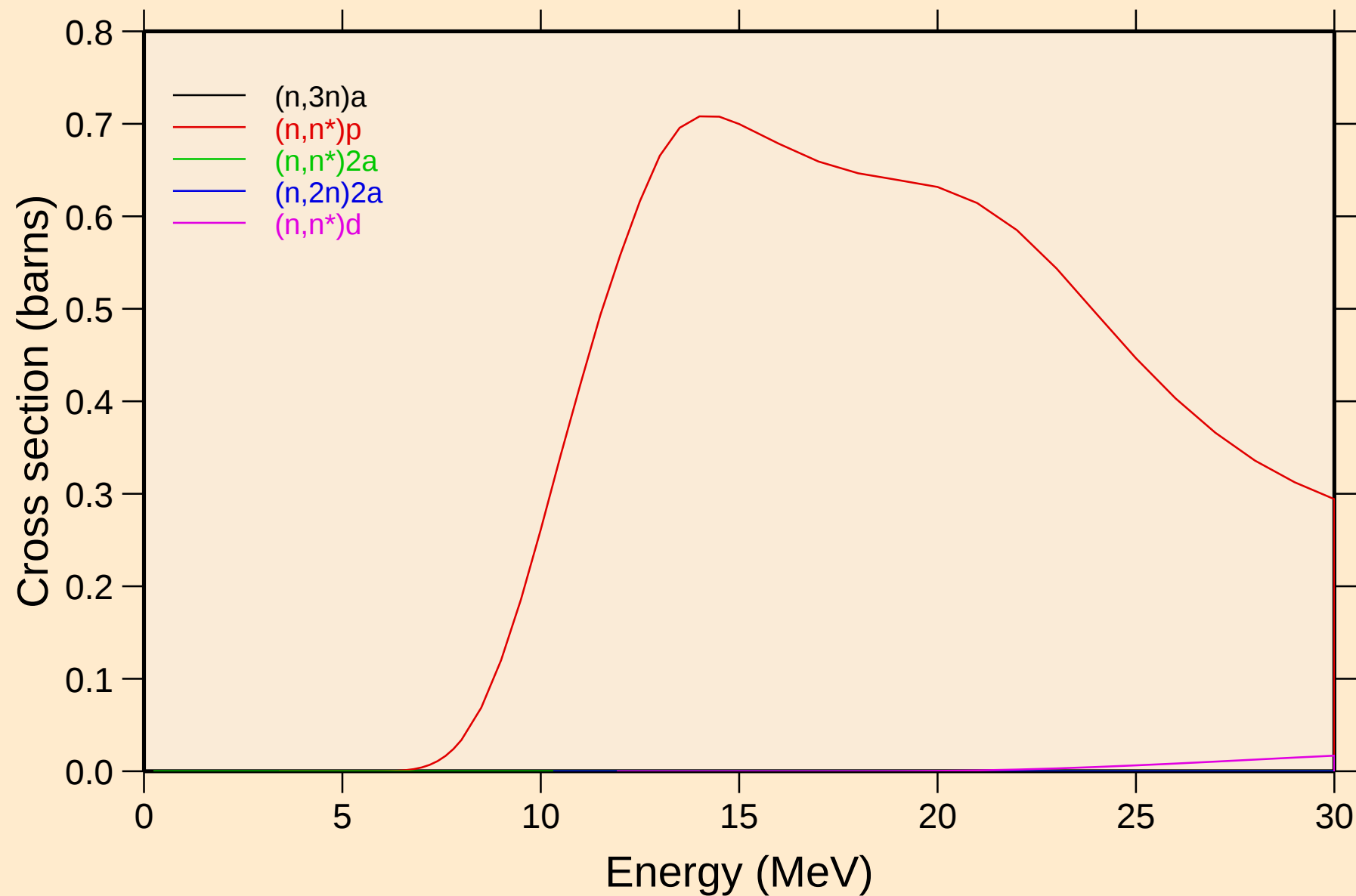
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



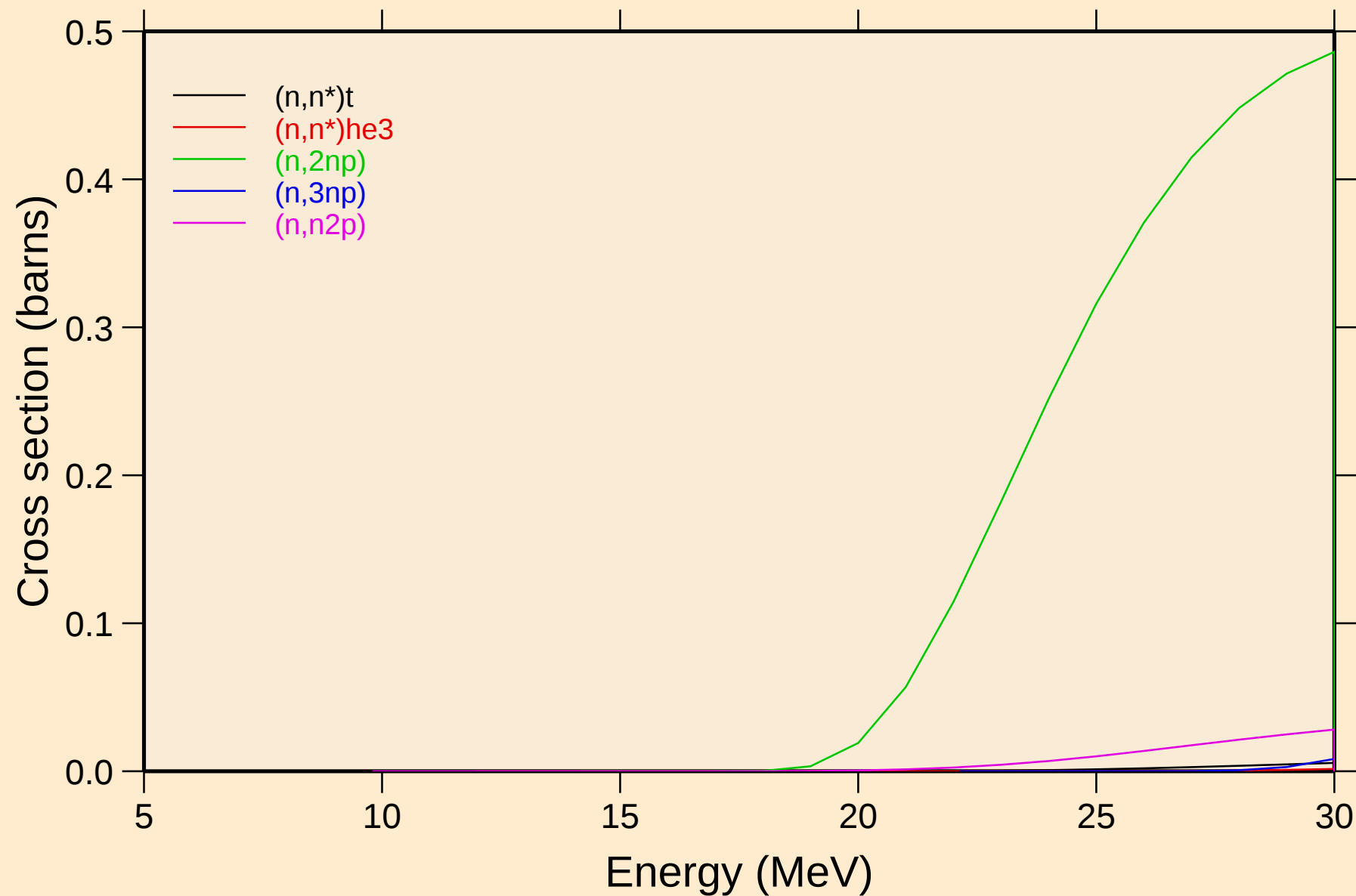
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



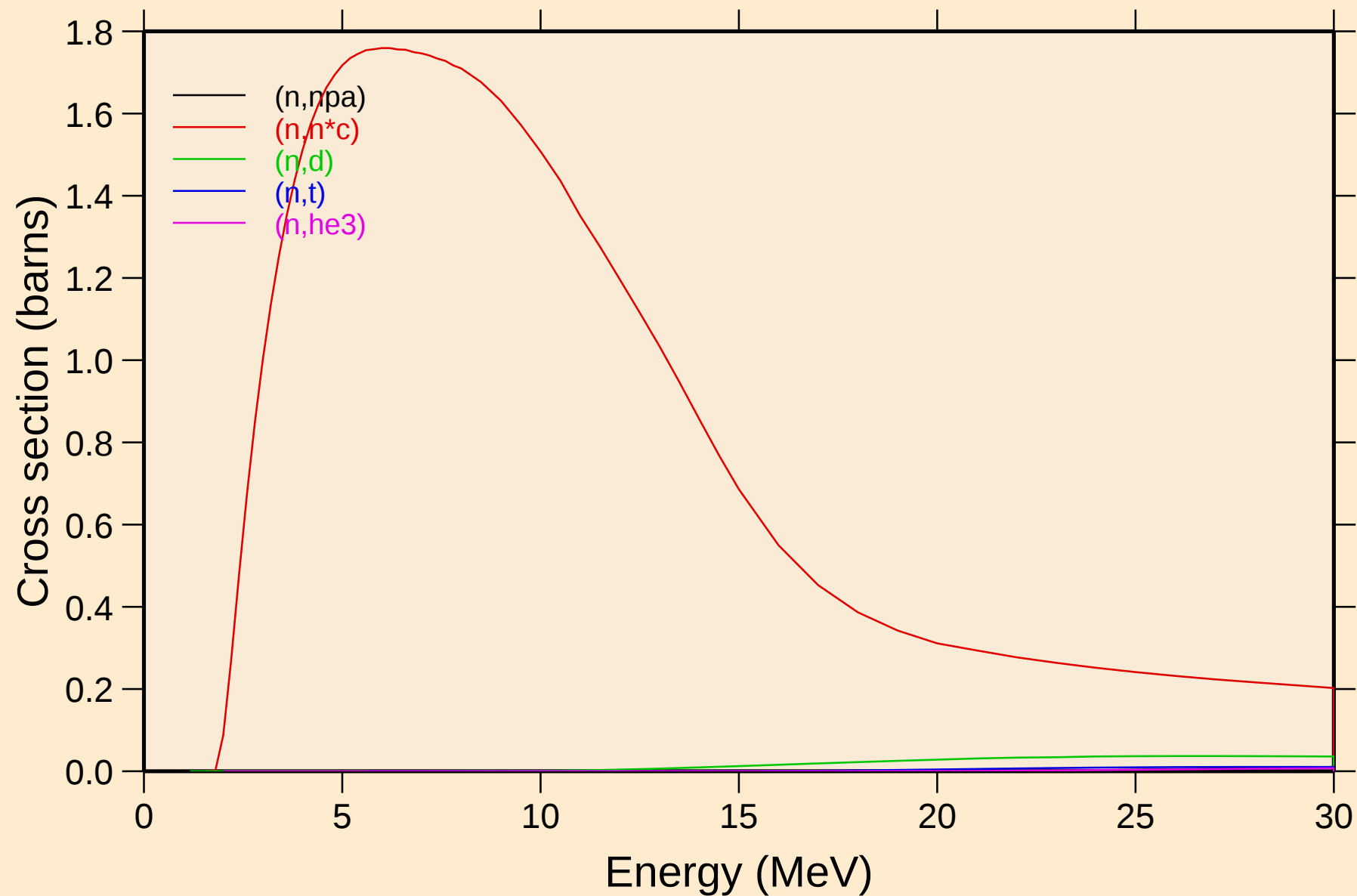
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



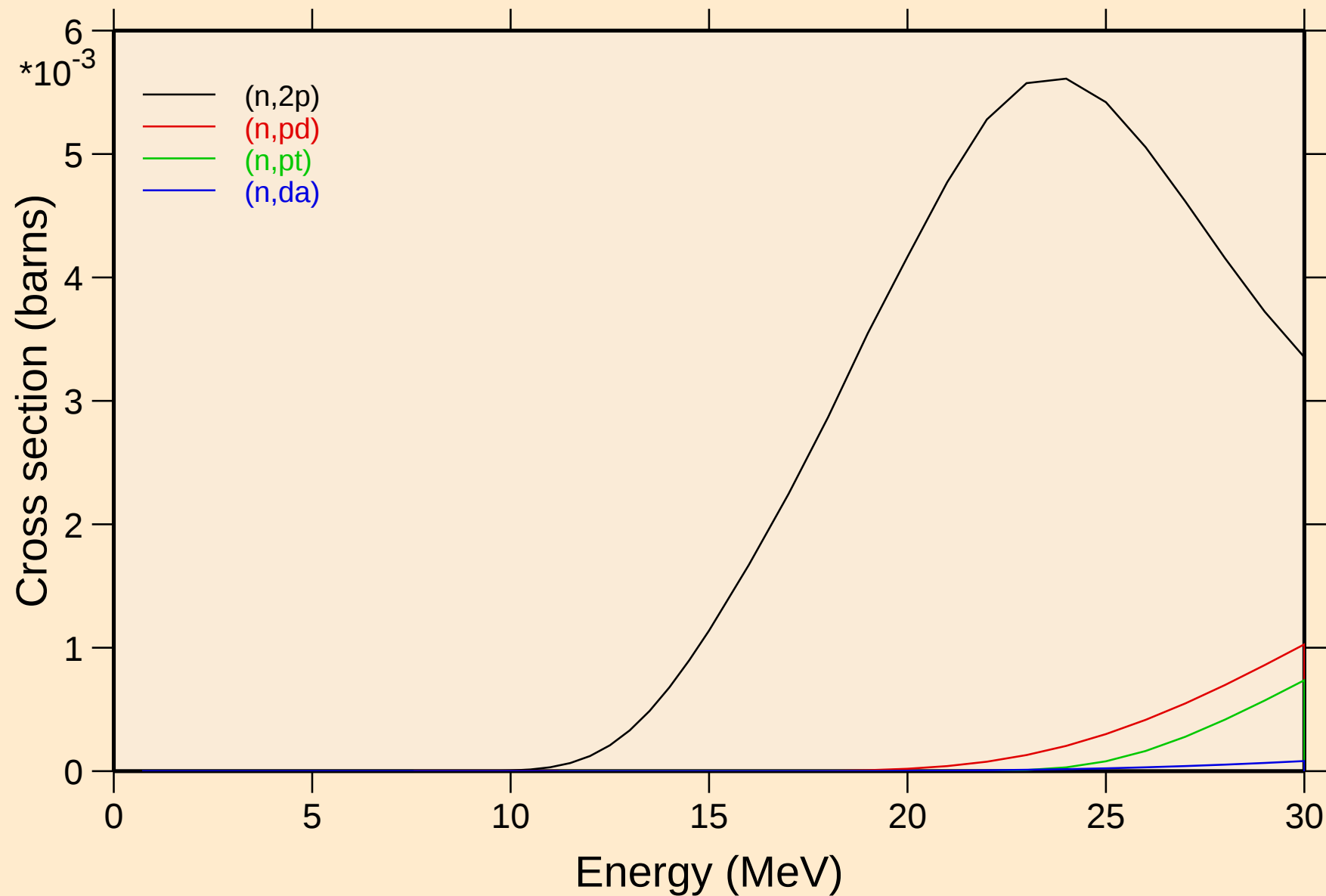
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



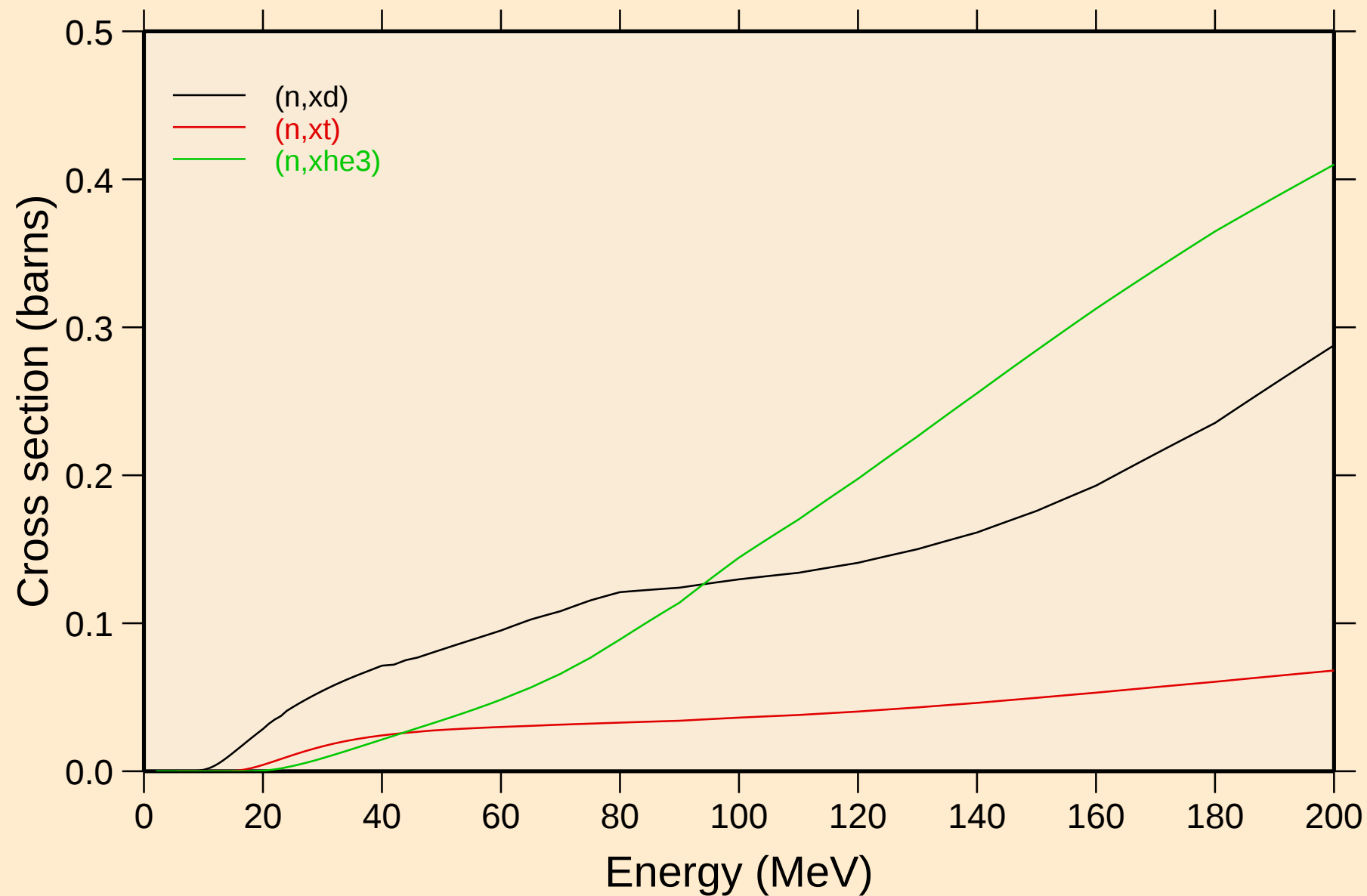
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

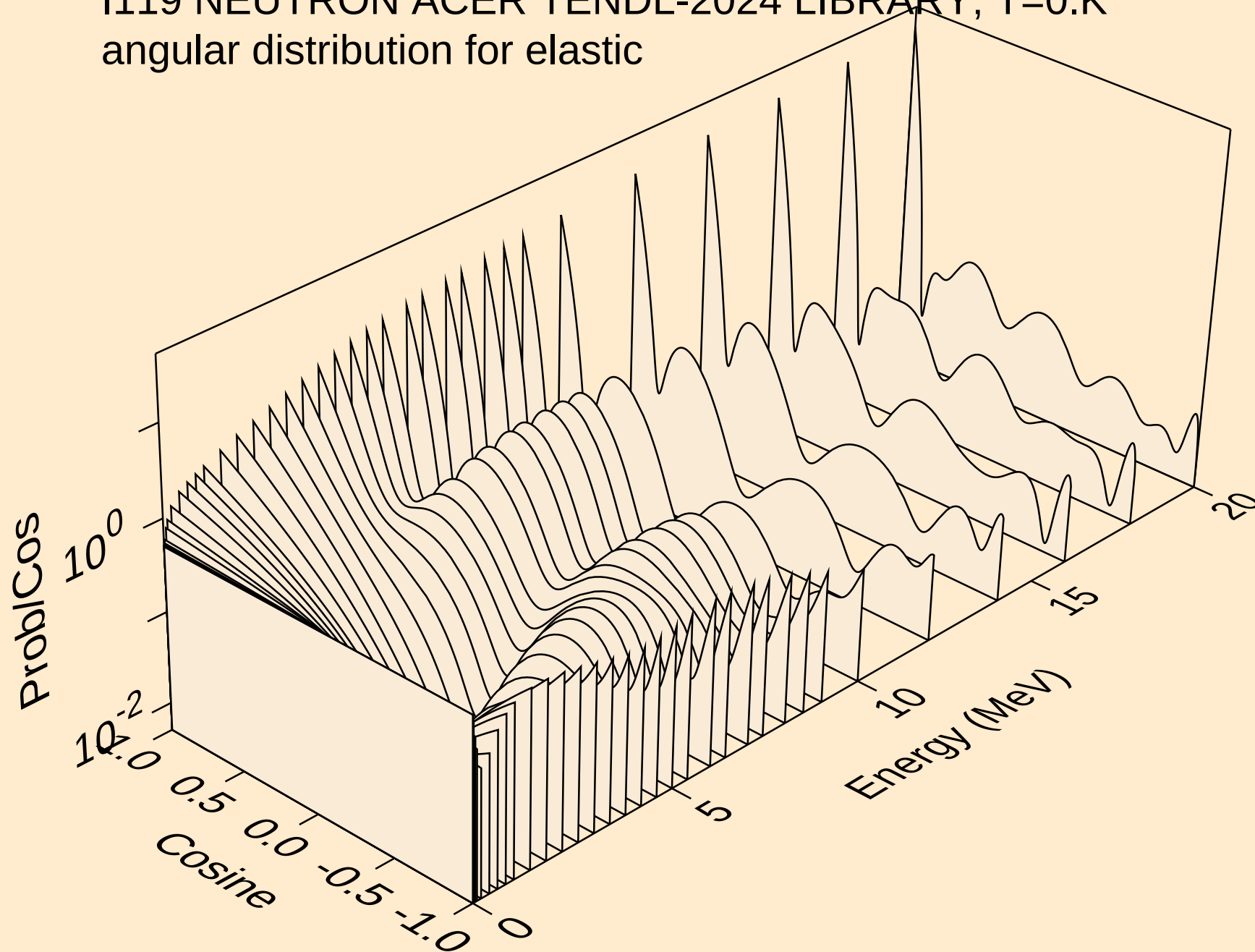


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

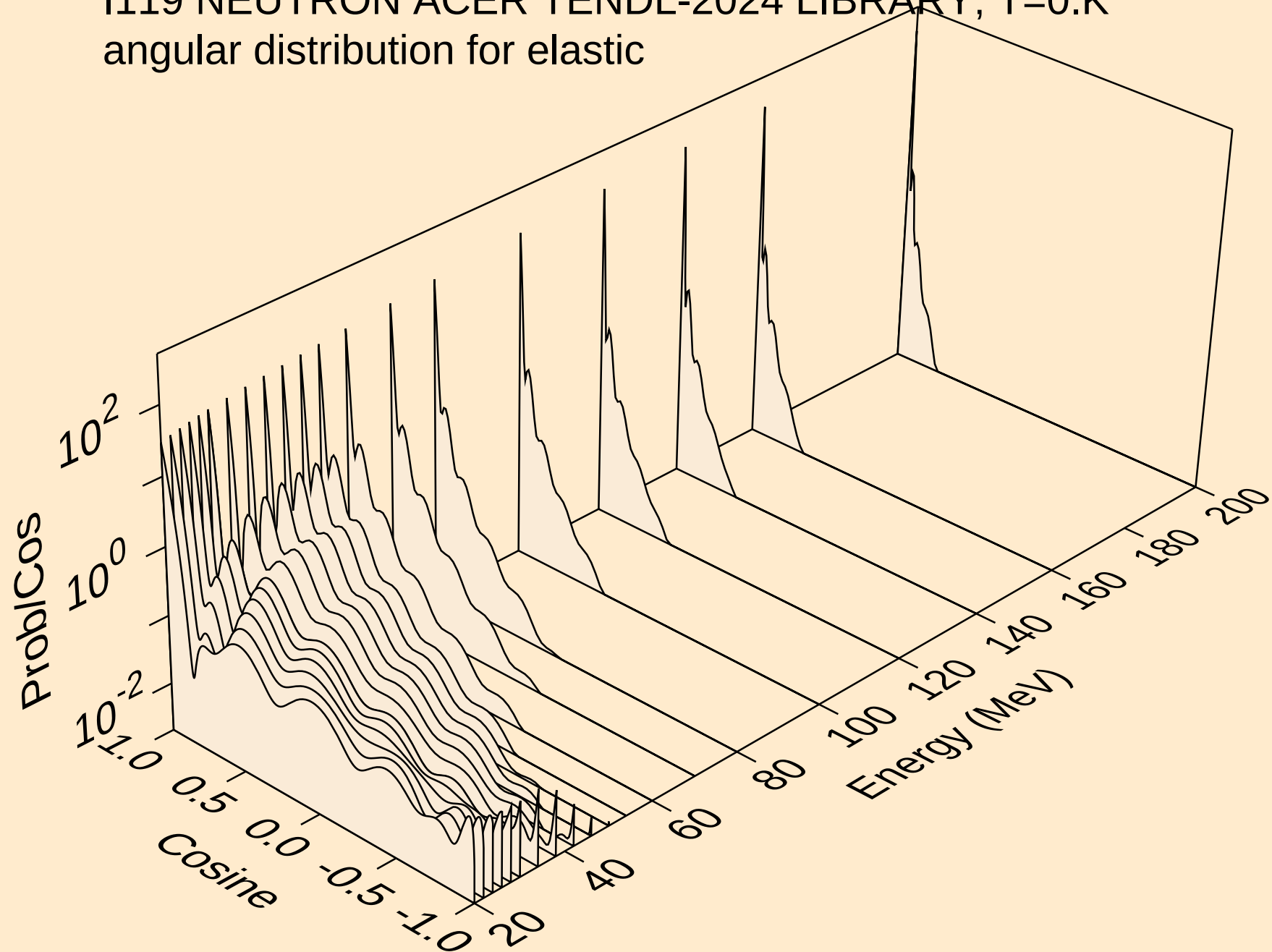
## Threshold reactions



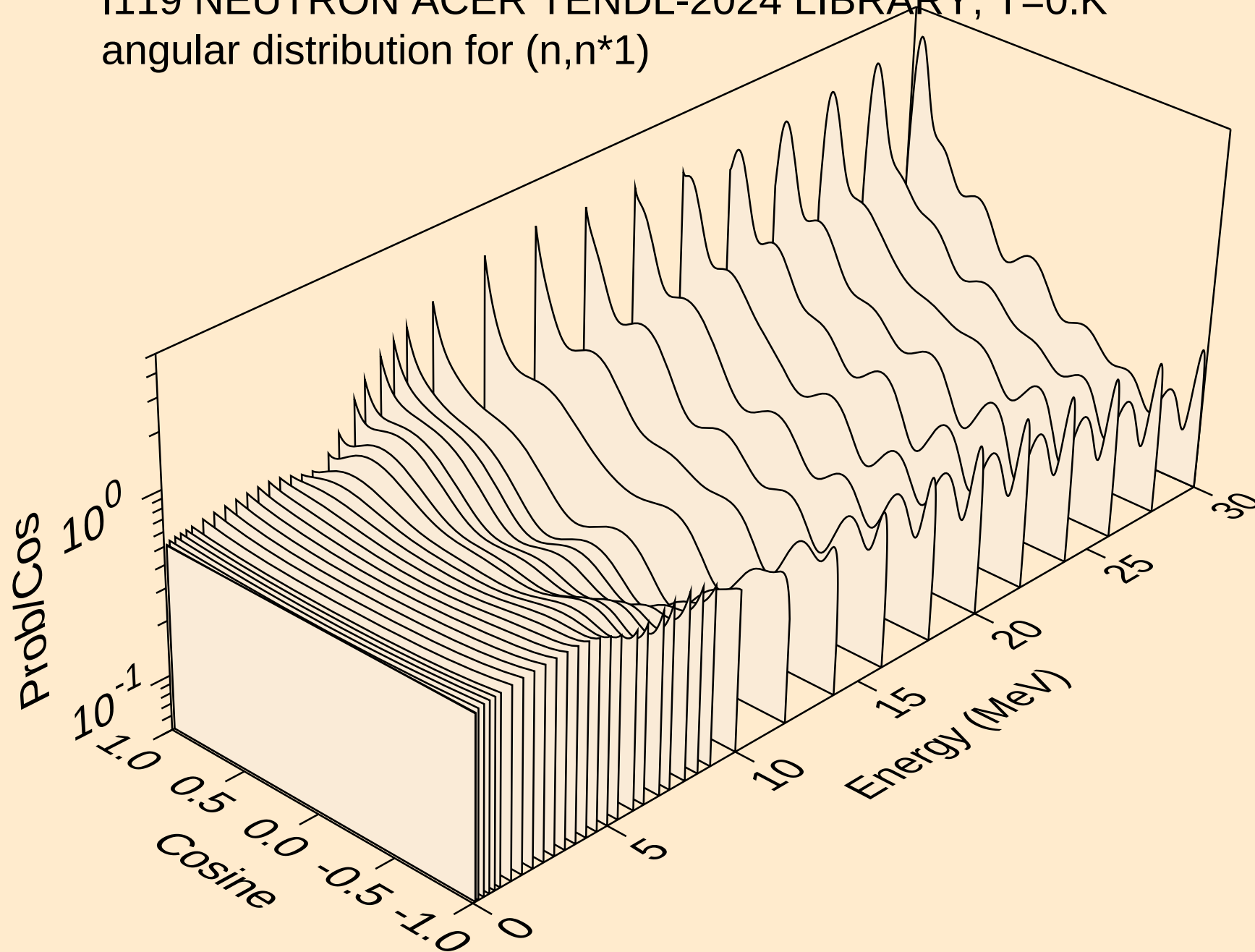
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



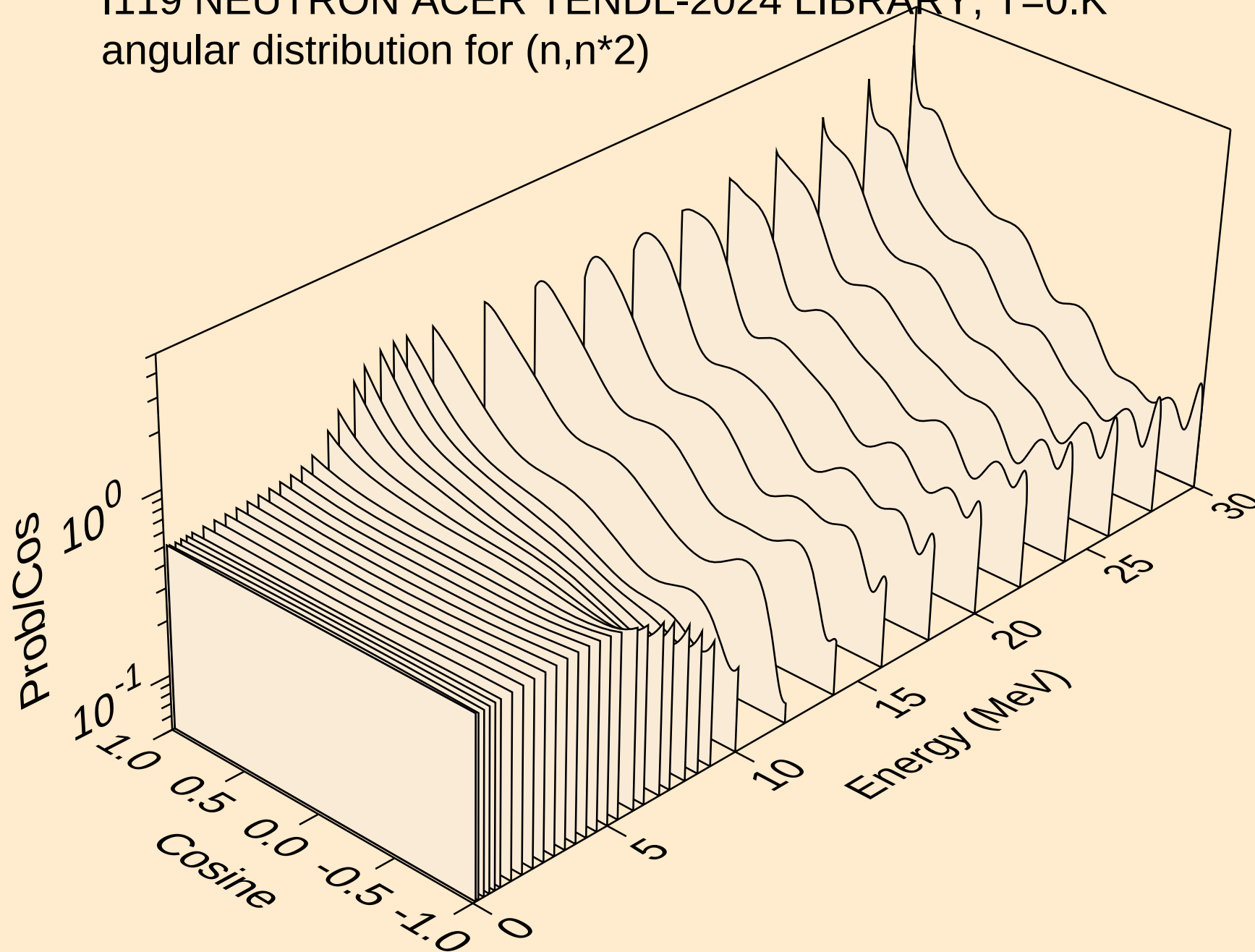
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



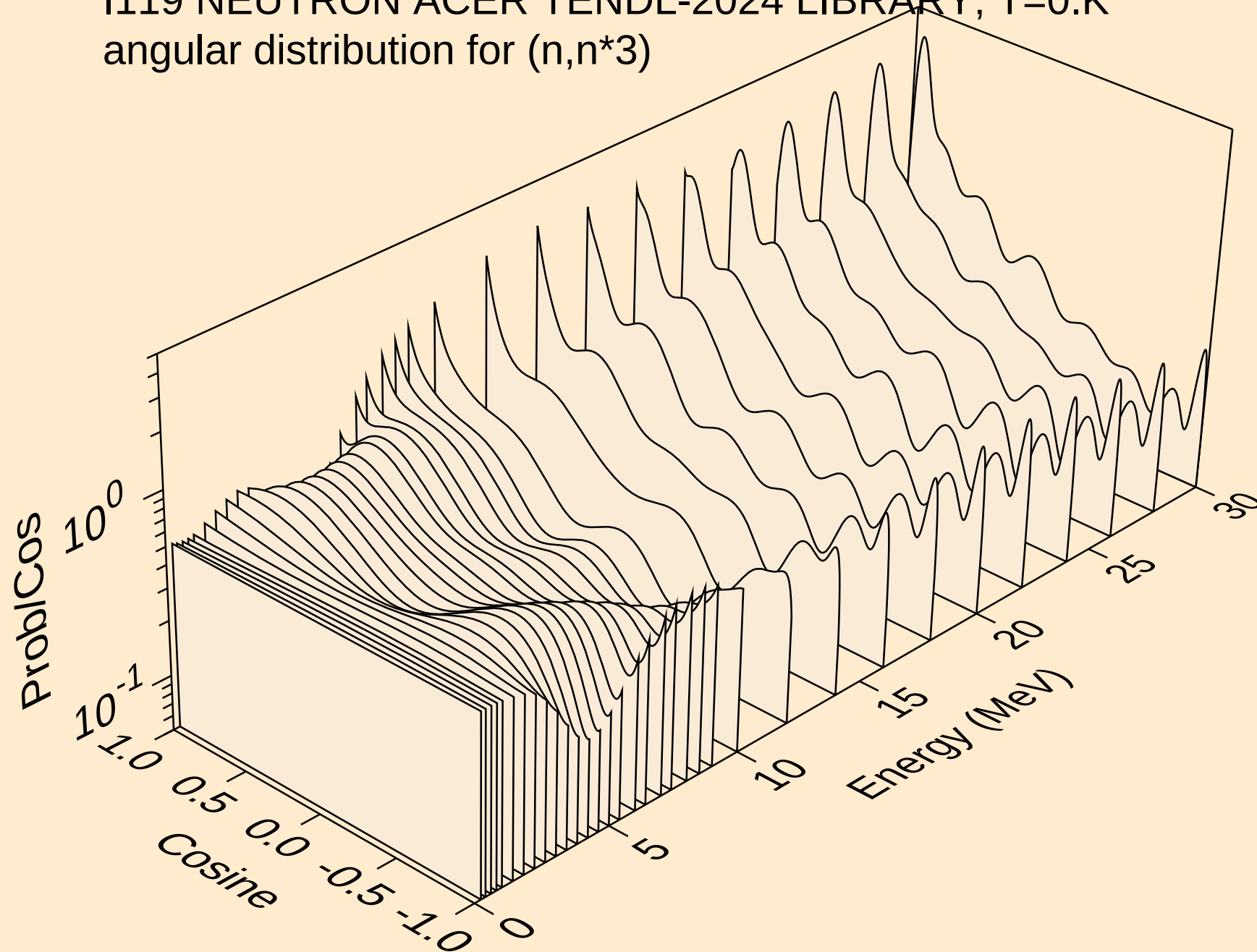
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



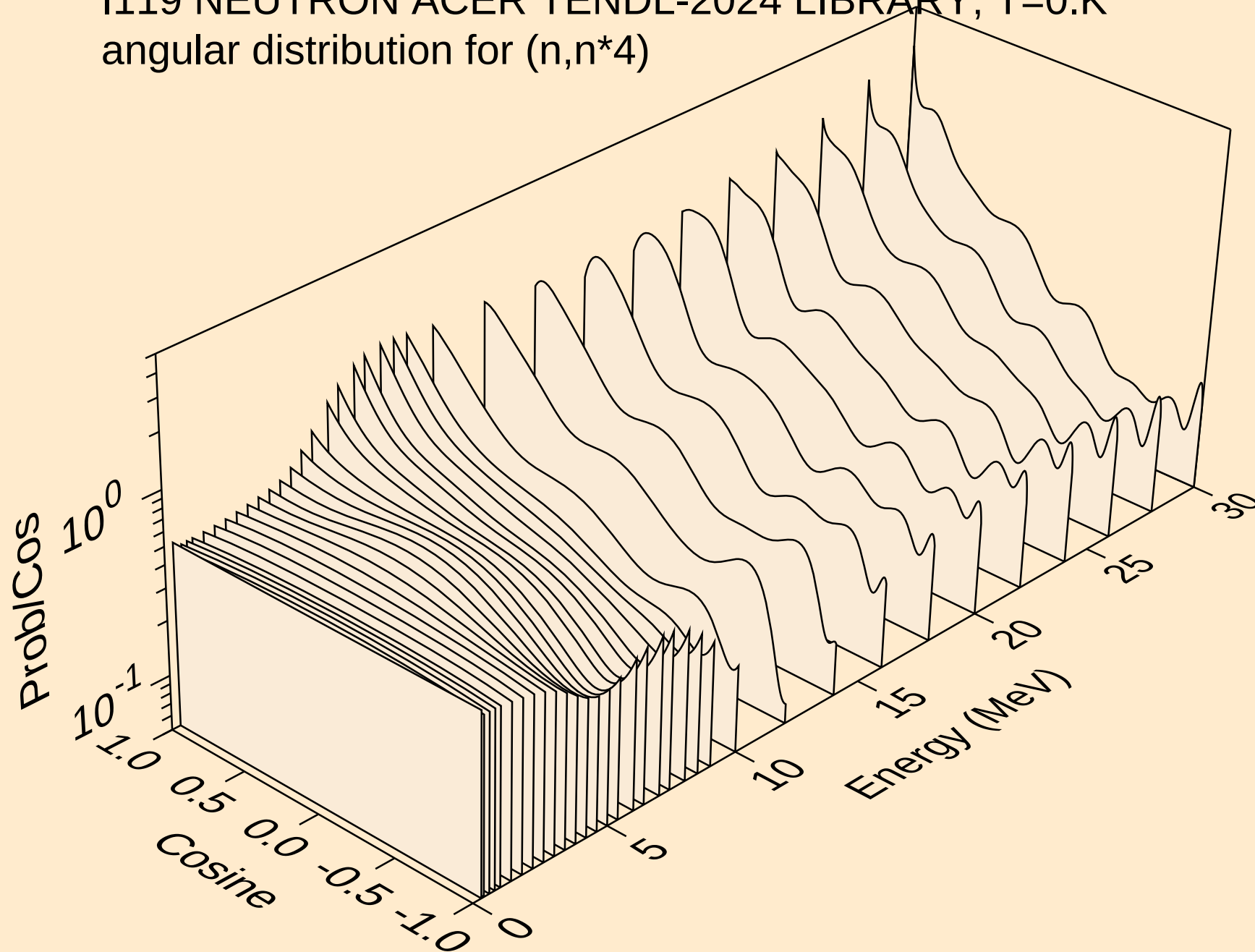
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



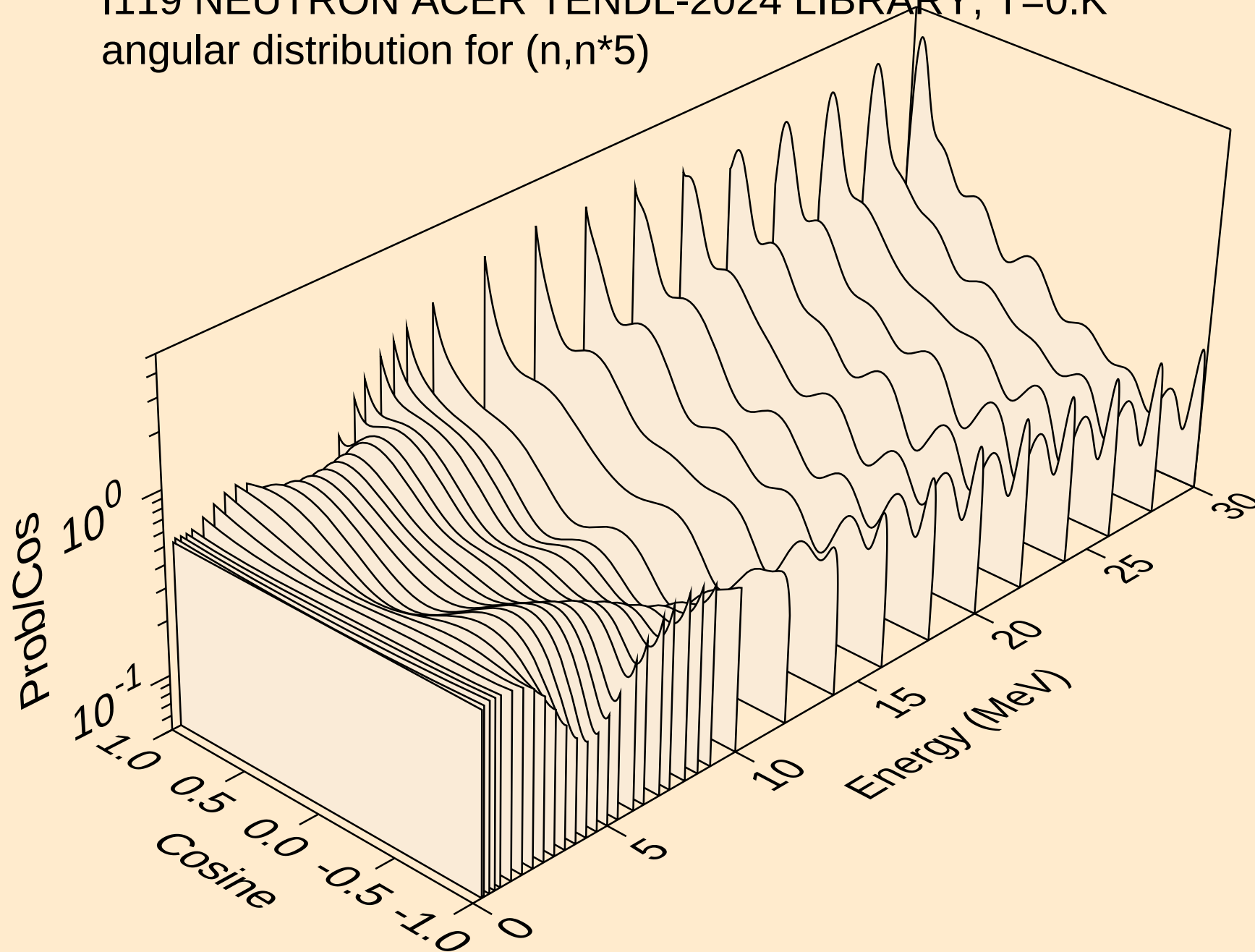
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



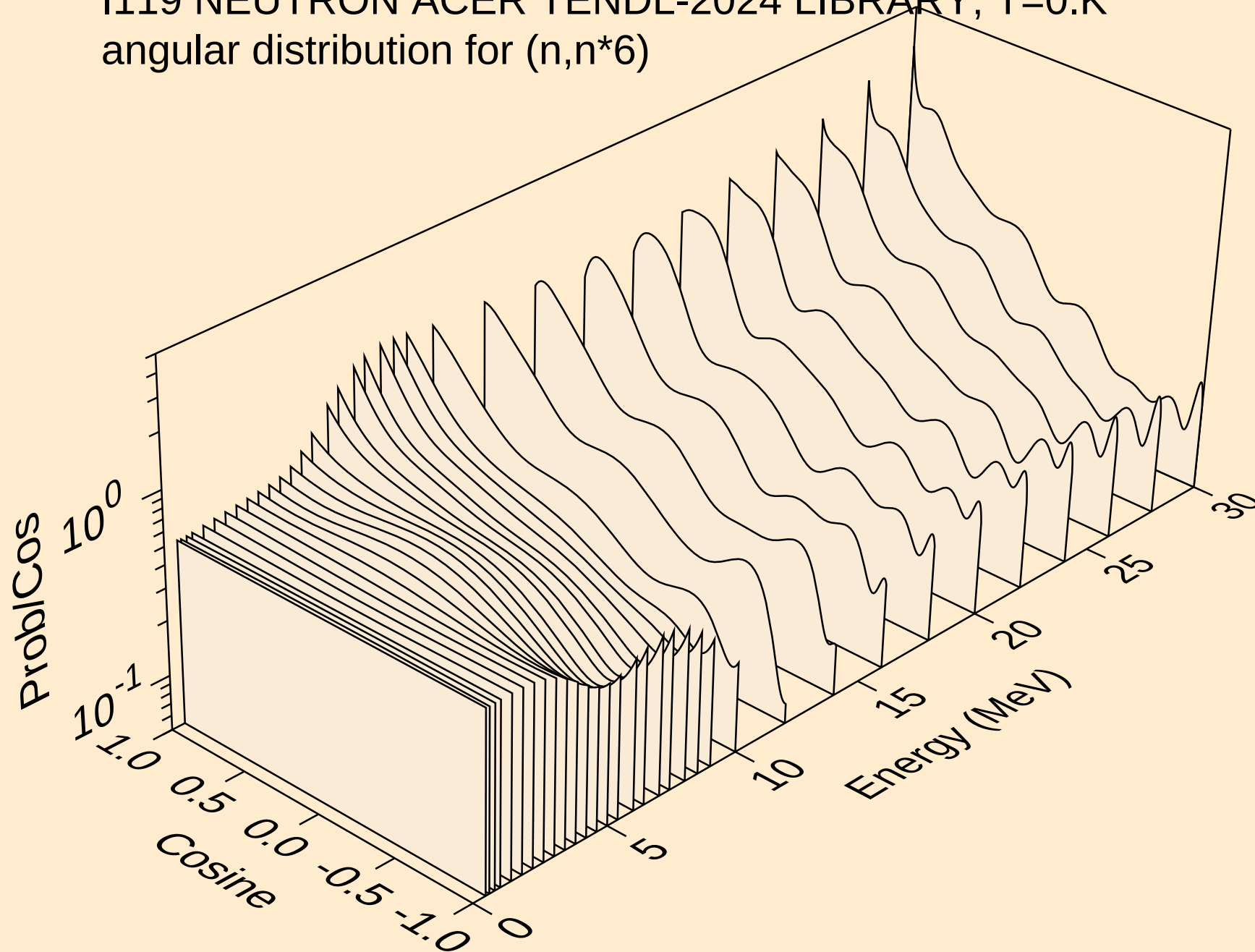
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angular distribution for (n,n\*4)



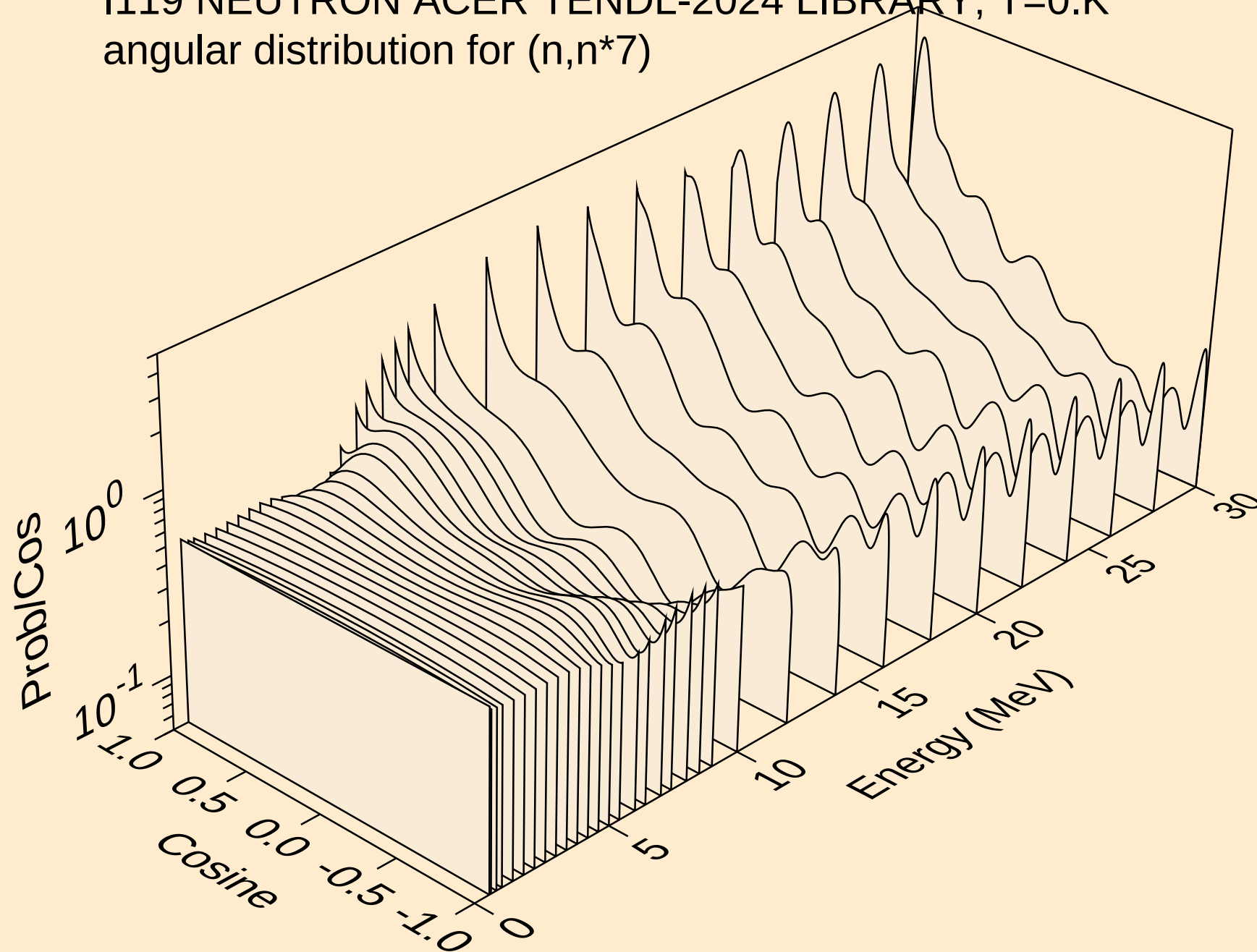
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angular distribution for (n,n\*5)



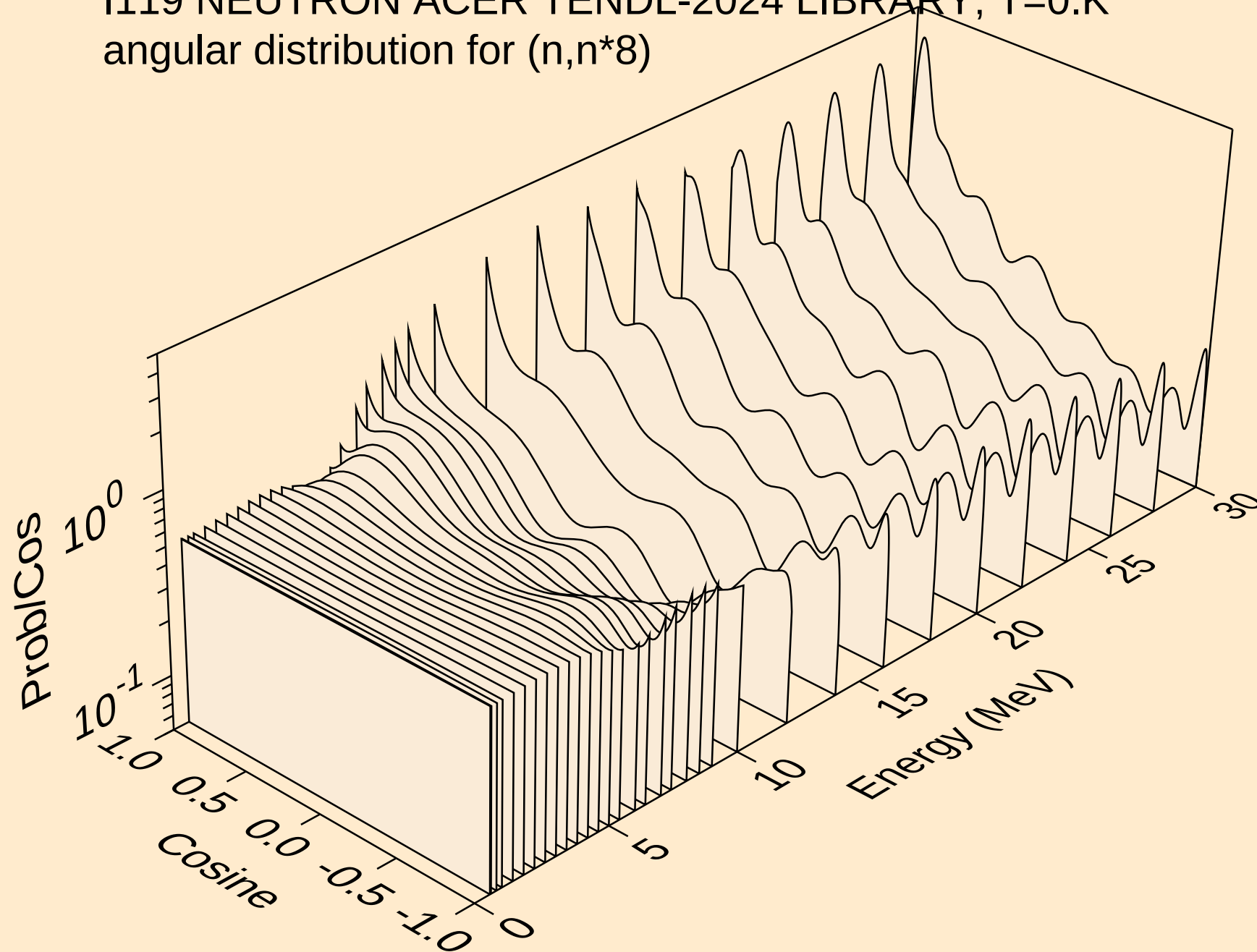
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angular distribution for (n,n\*6)



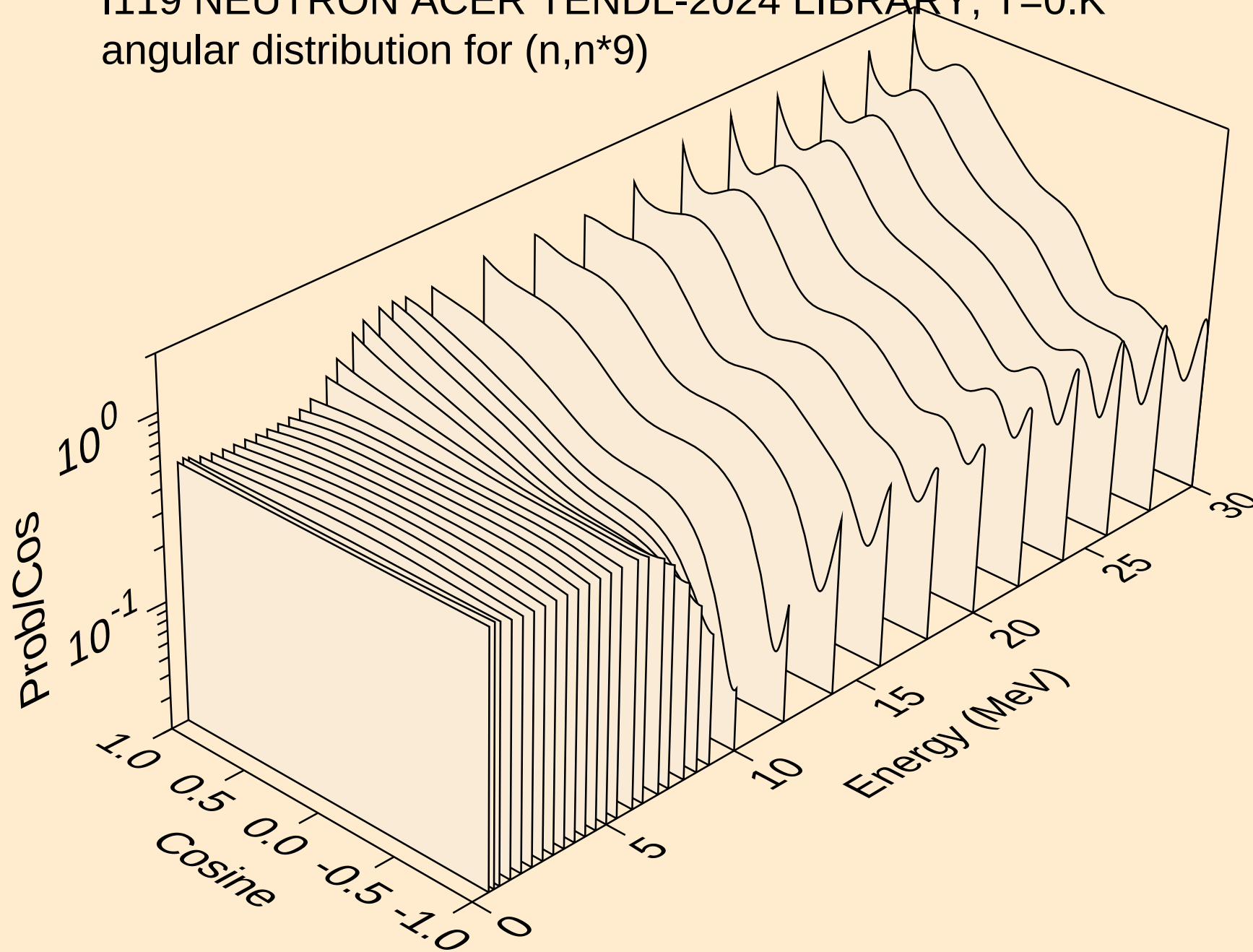
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angular distribution for (n,n\*7)



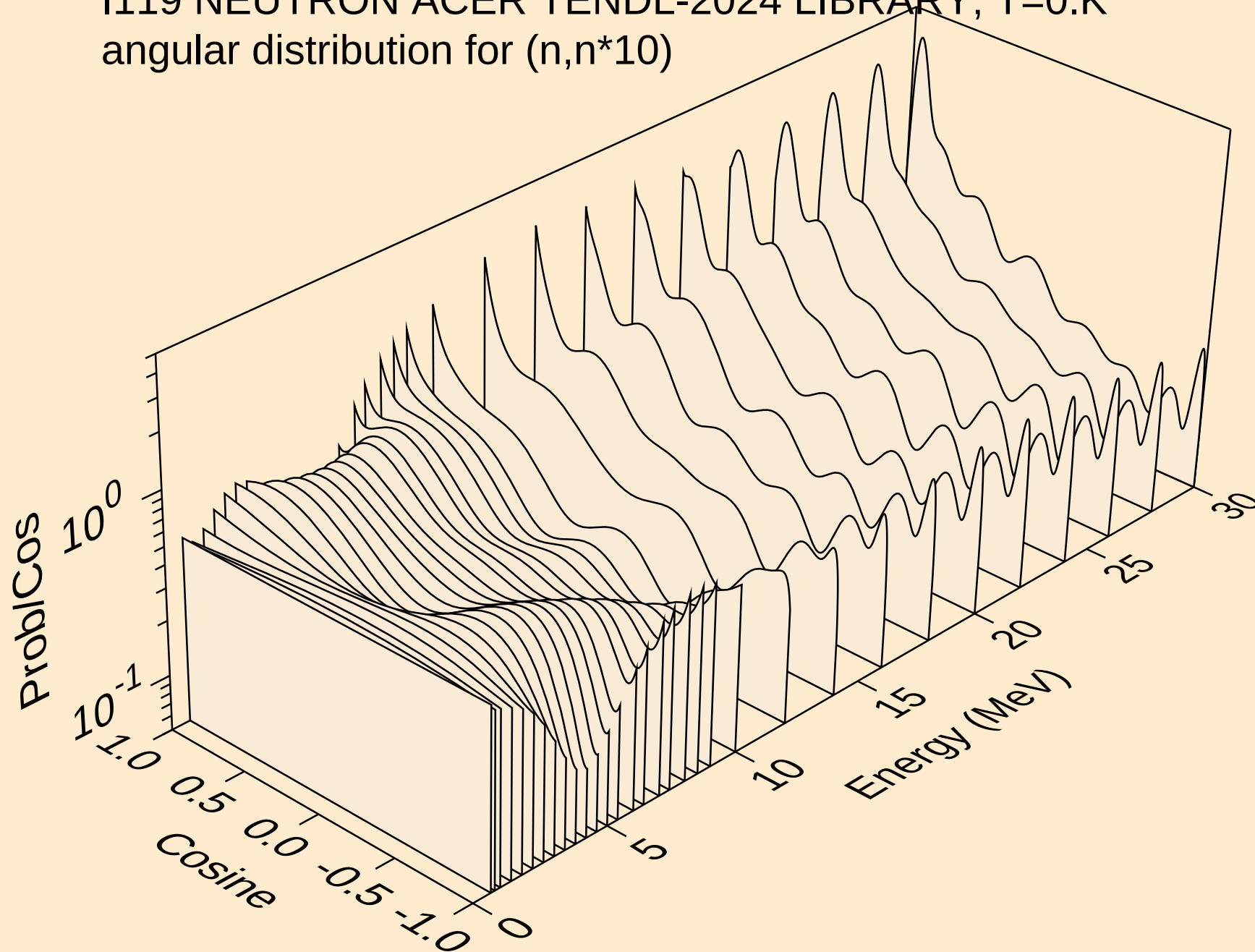
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angular distribution for (n,n\*8)



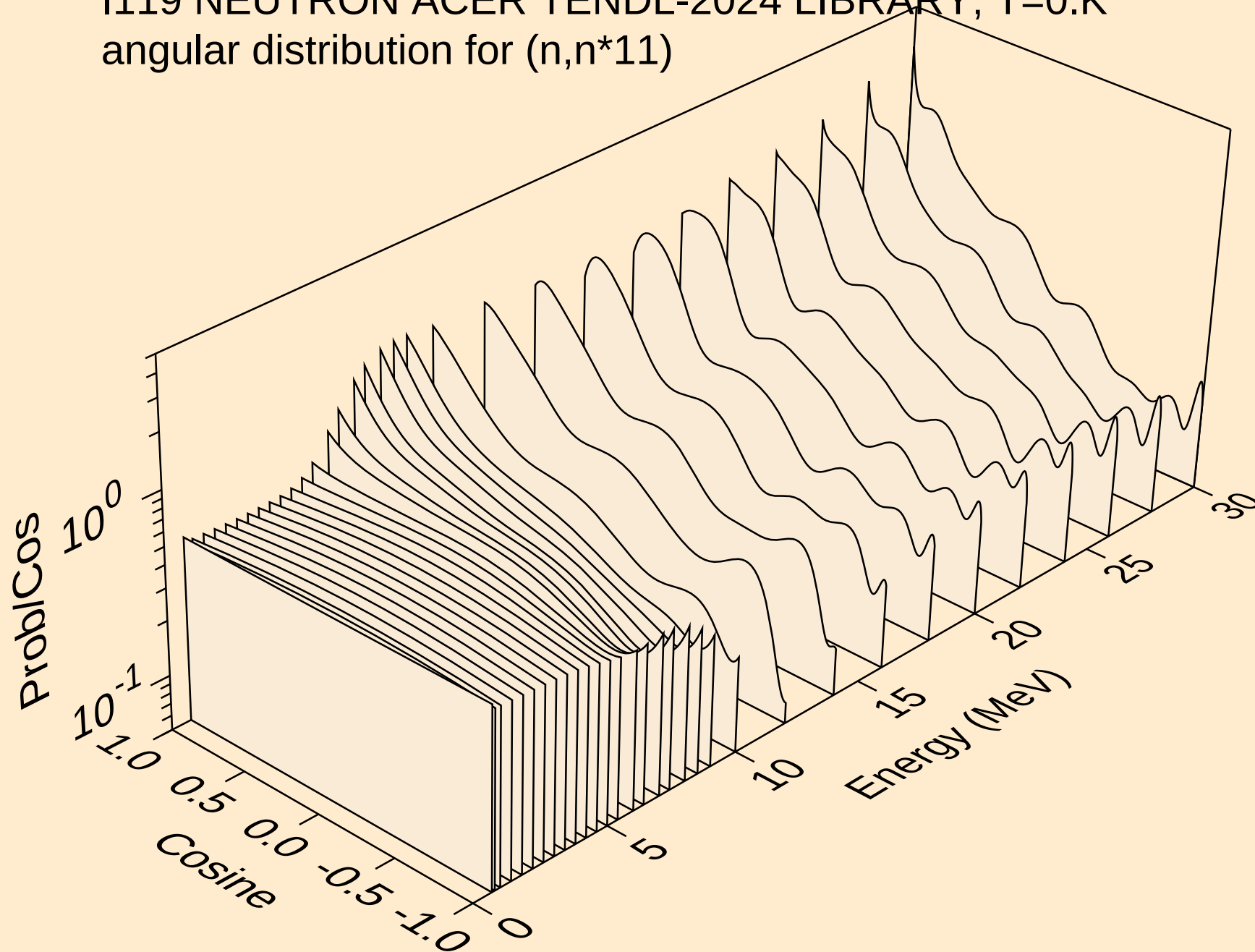
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angular distribution for (n,n\*9)



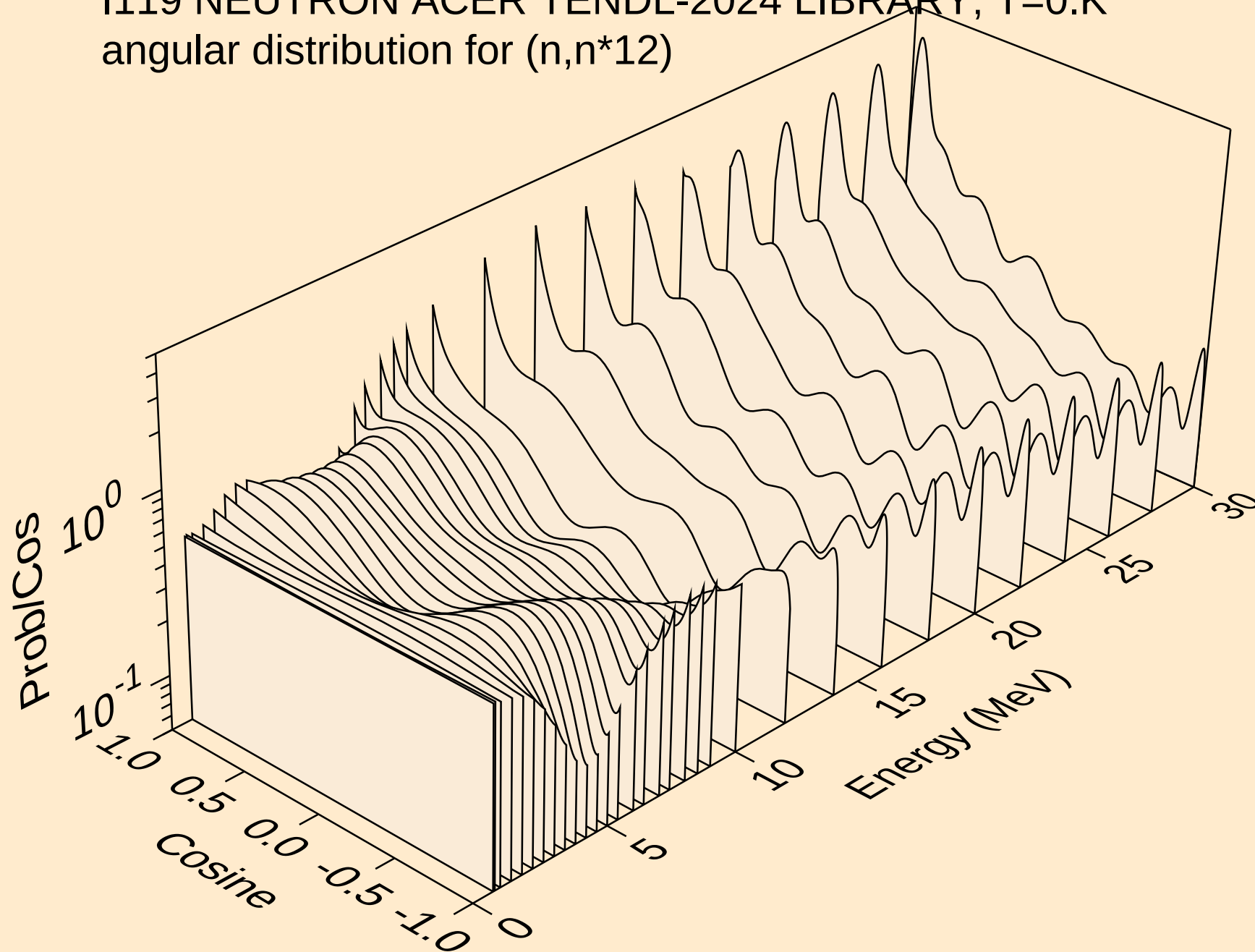
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angular distribution for (n,n\*10)



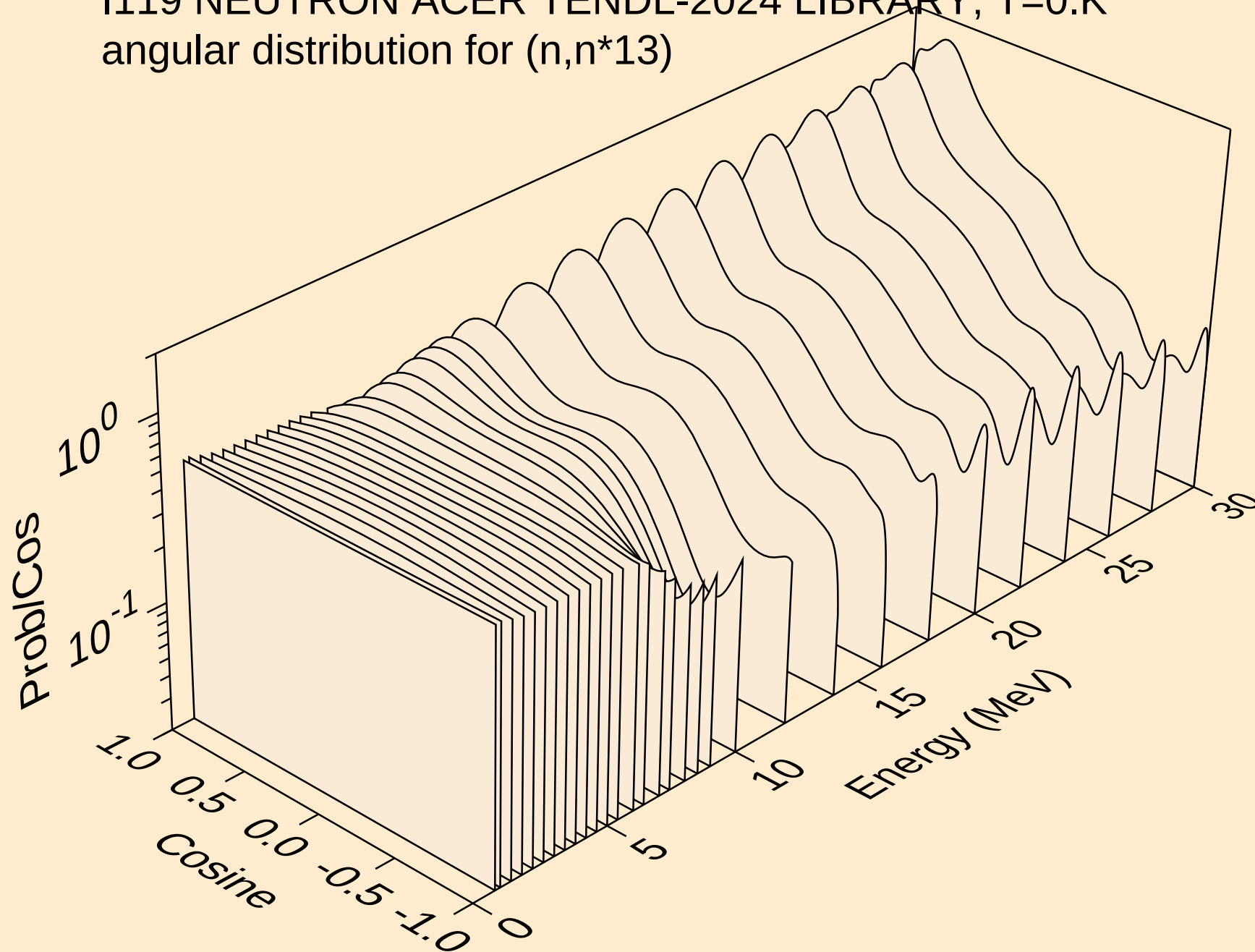
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angular distribution for (n,n\*11)



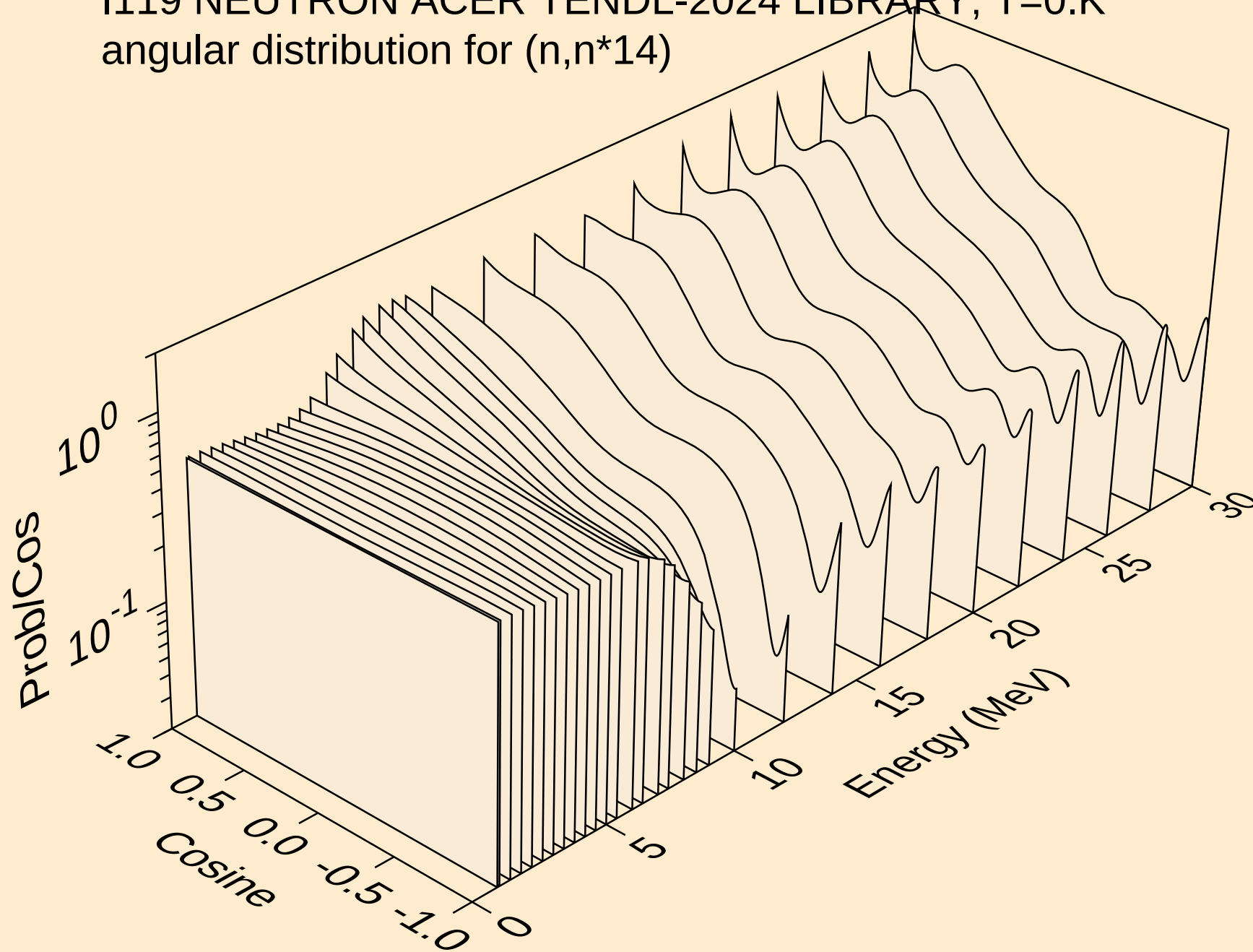
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angular distribution for (n,n\*12)



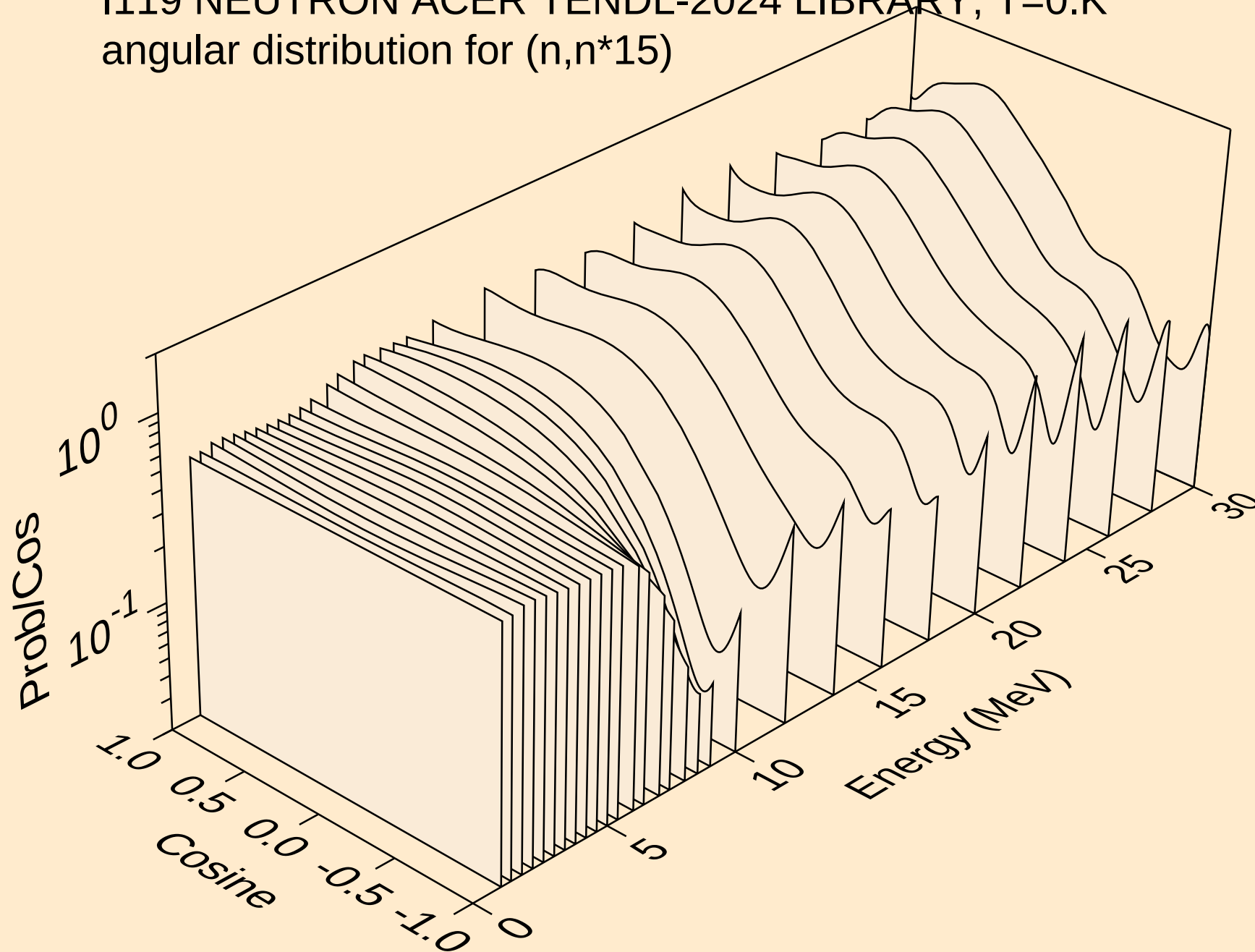
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angular distribution for (n,n\*13)



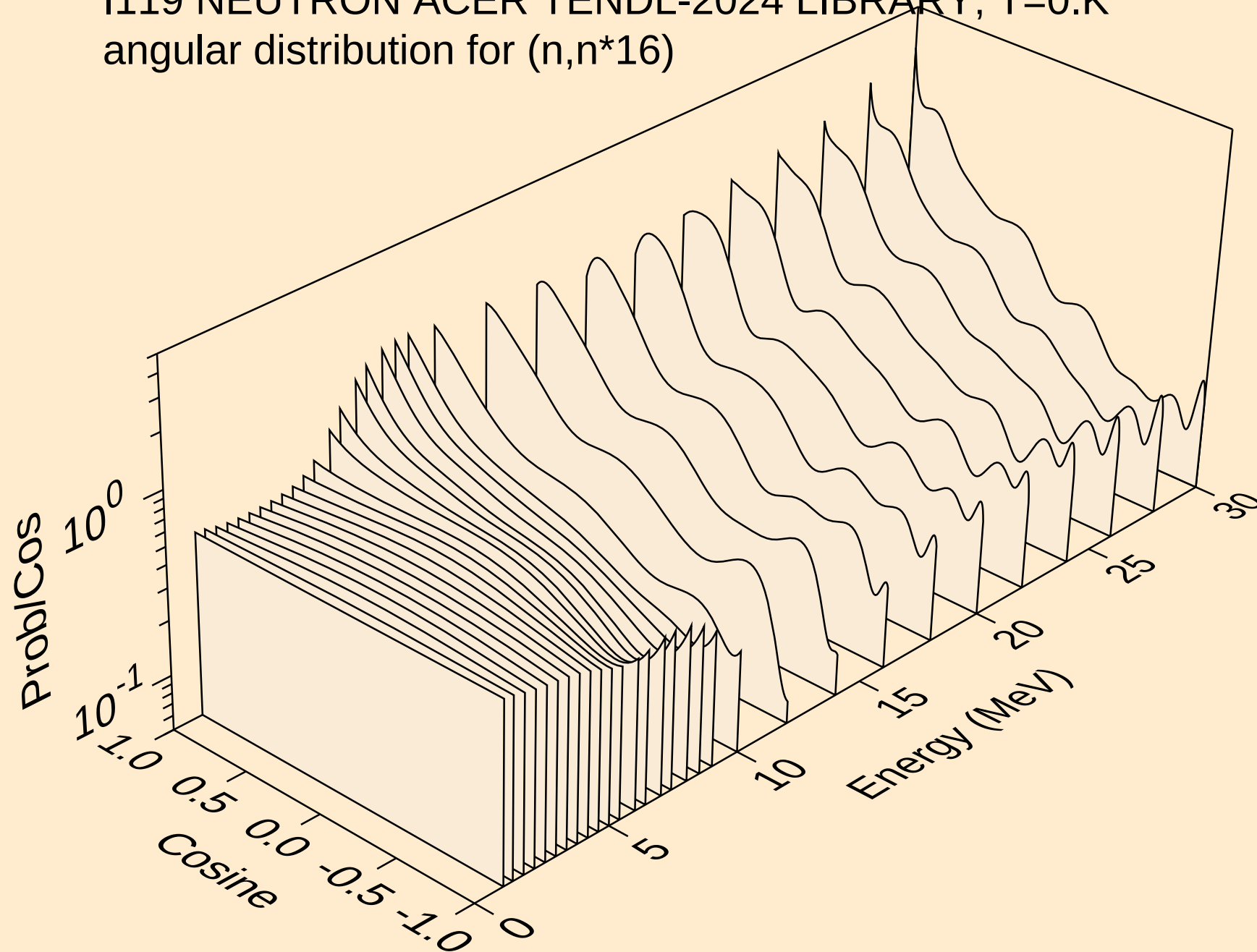
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angular distribution for (n,n\*14)



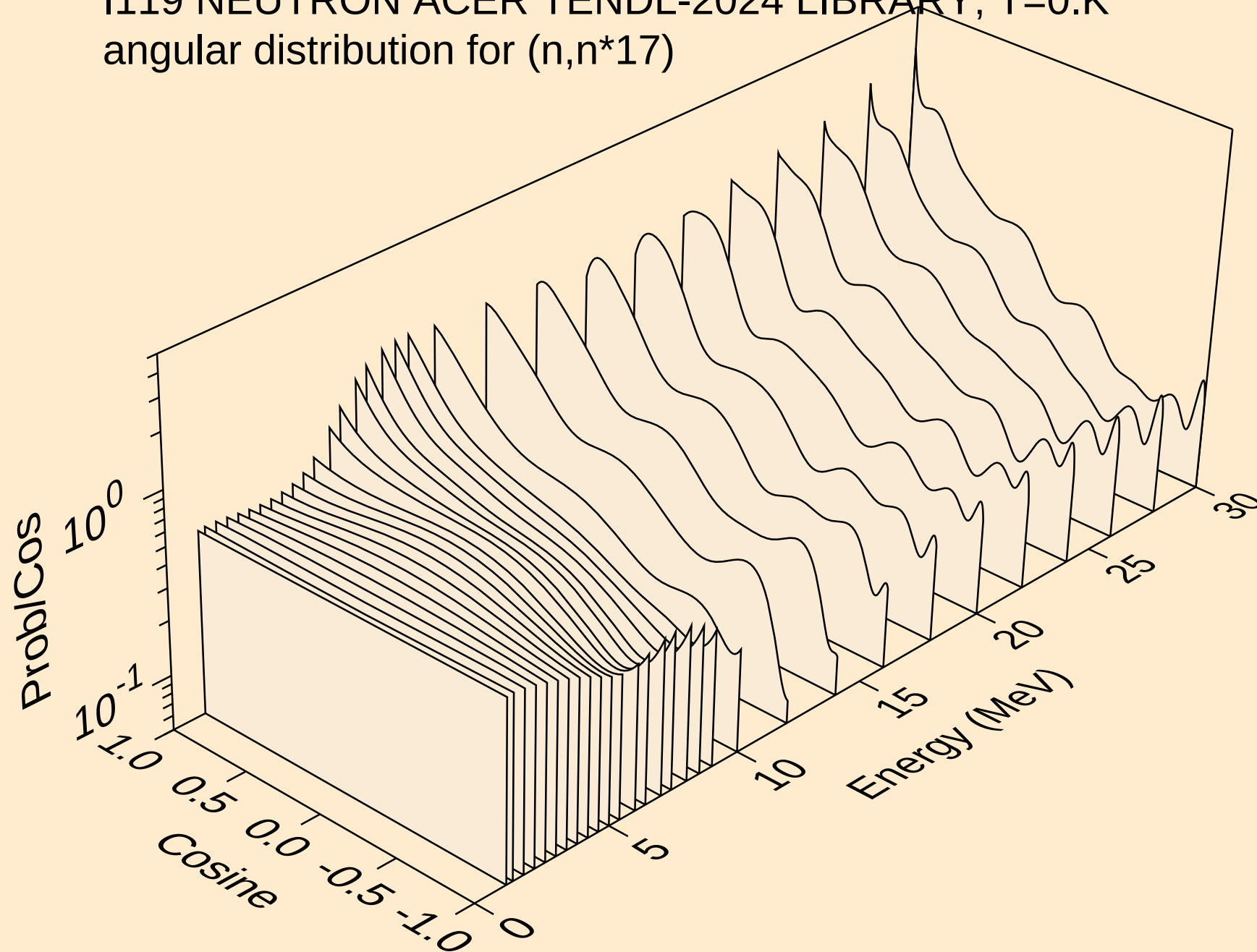
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angular distribution for (n,n\*15)



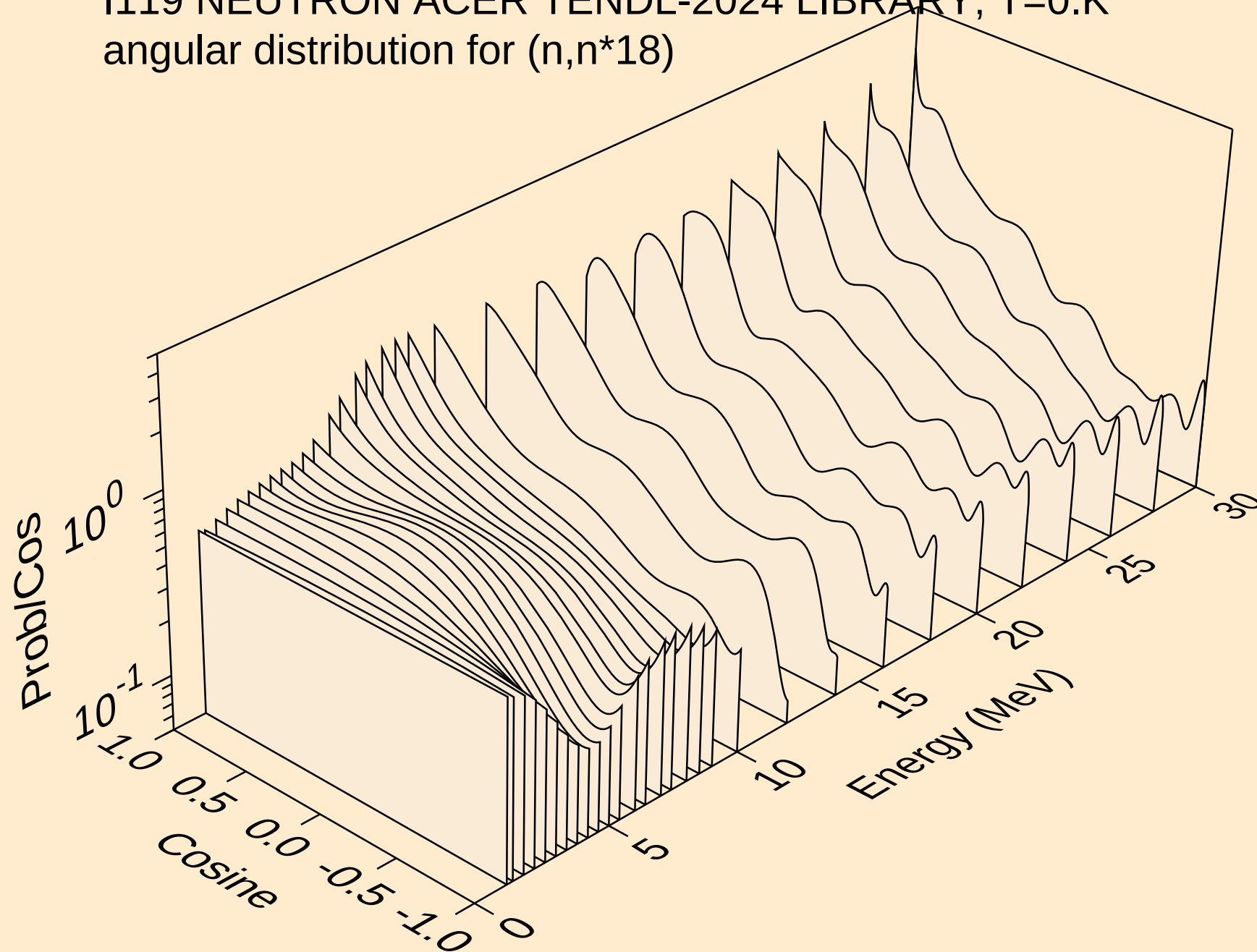
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angular distribution for (n,n\*16)



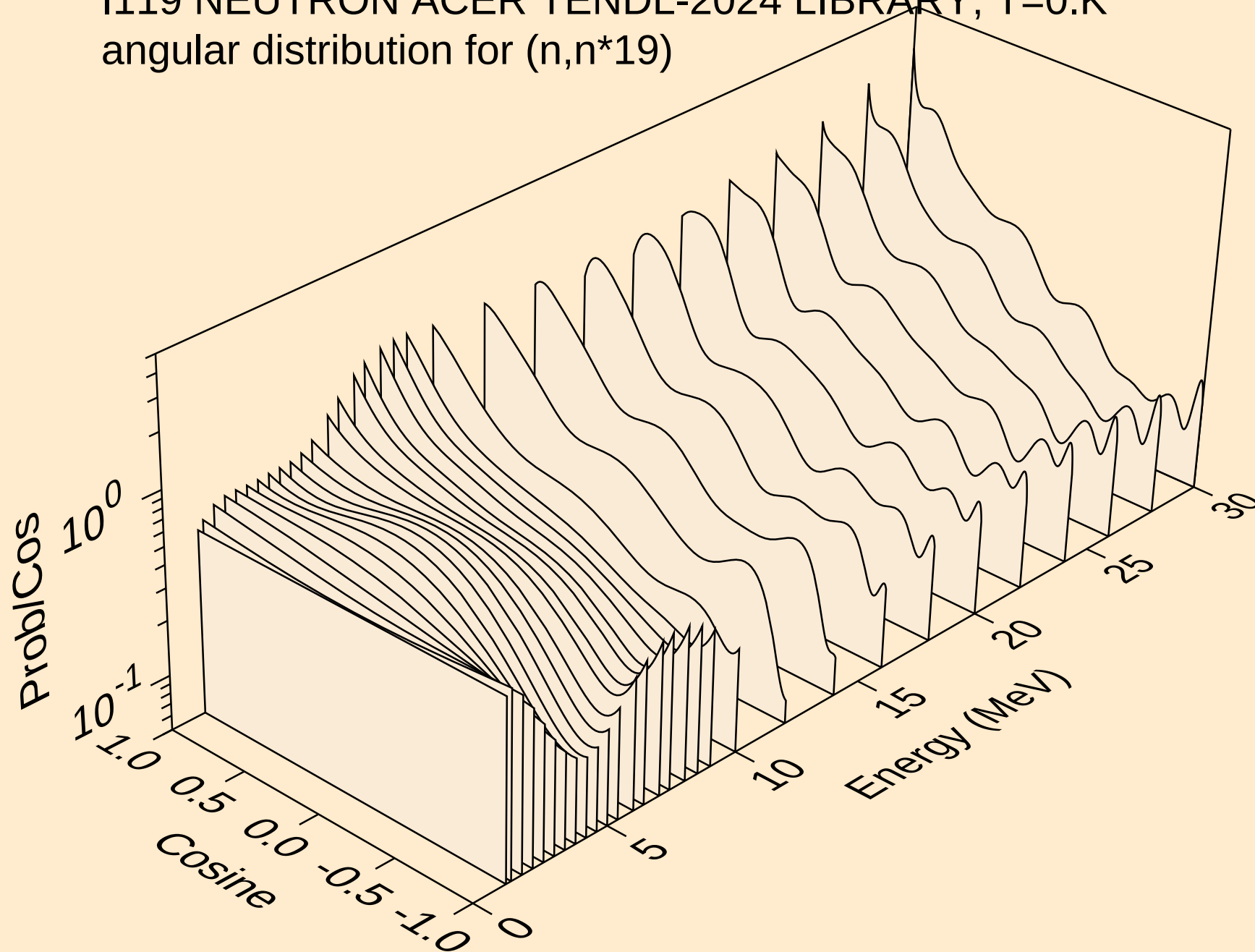
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angular distribution for (n,n\*17)



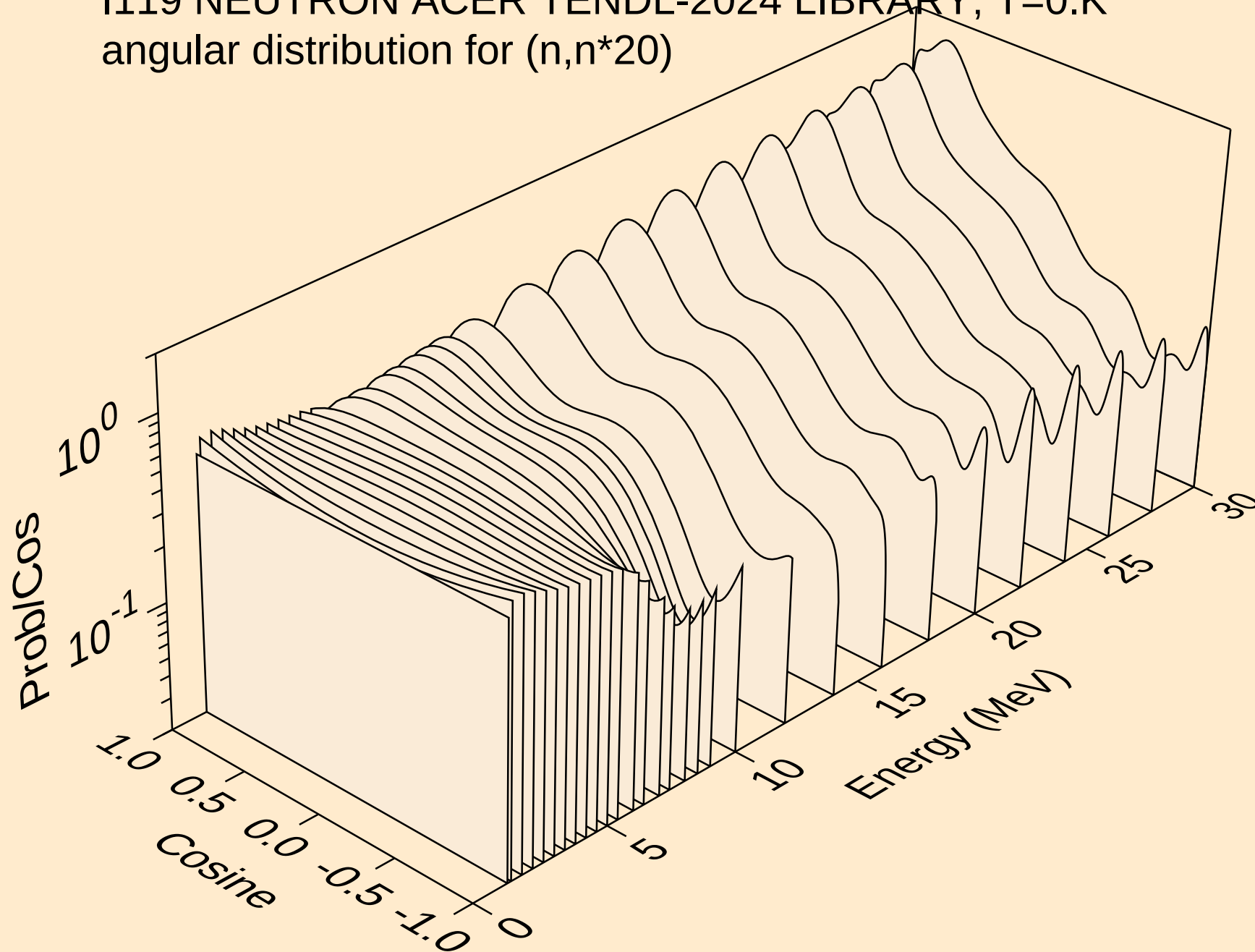
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angular distribution for (n,n\*18)



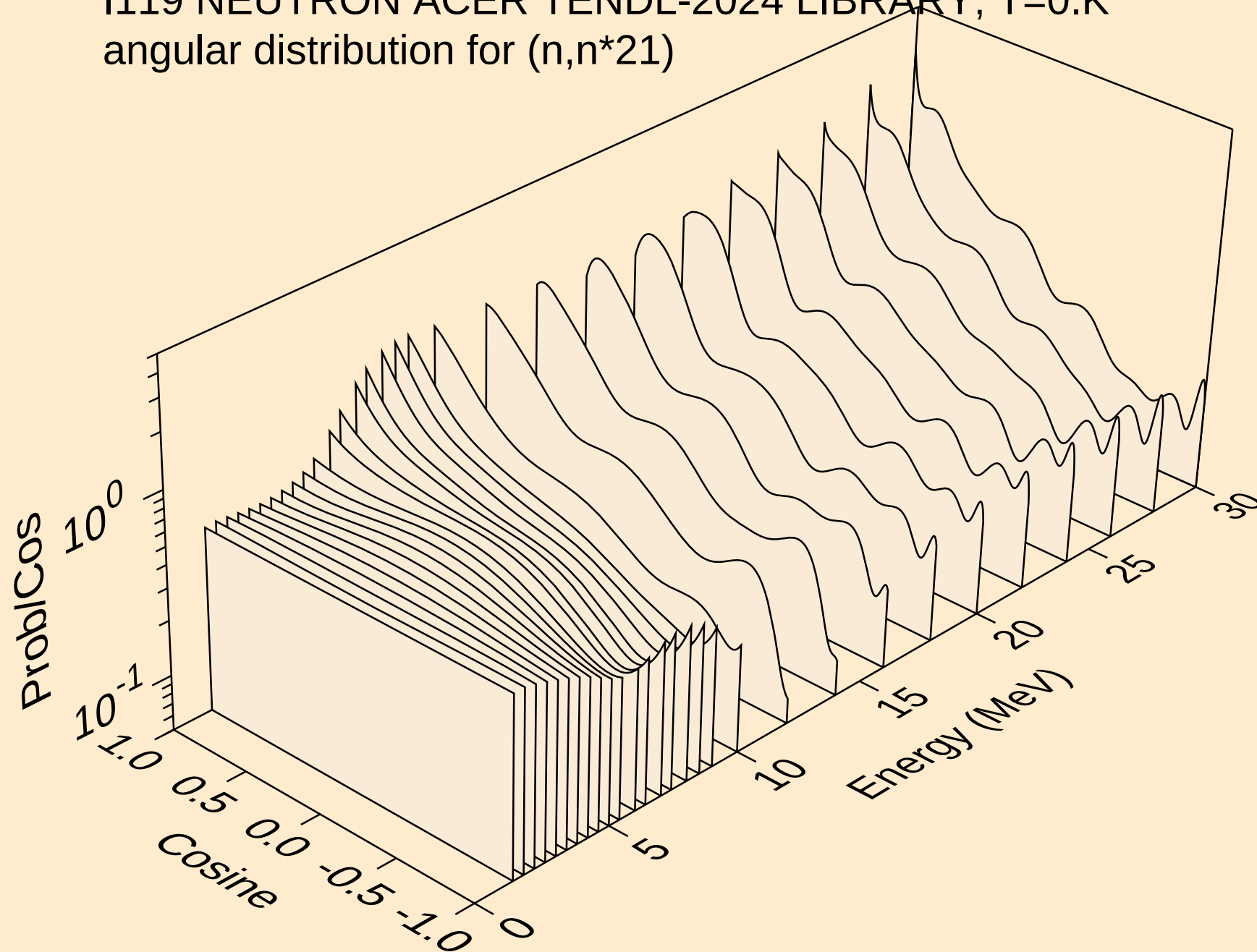
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angular distribution for (n,n\*19)



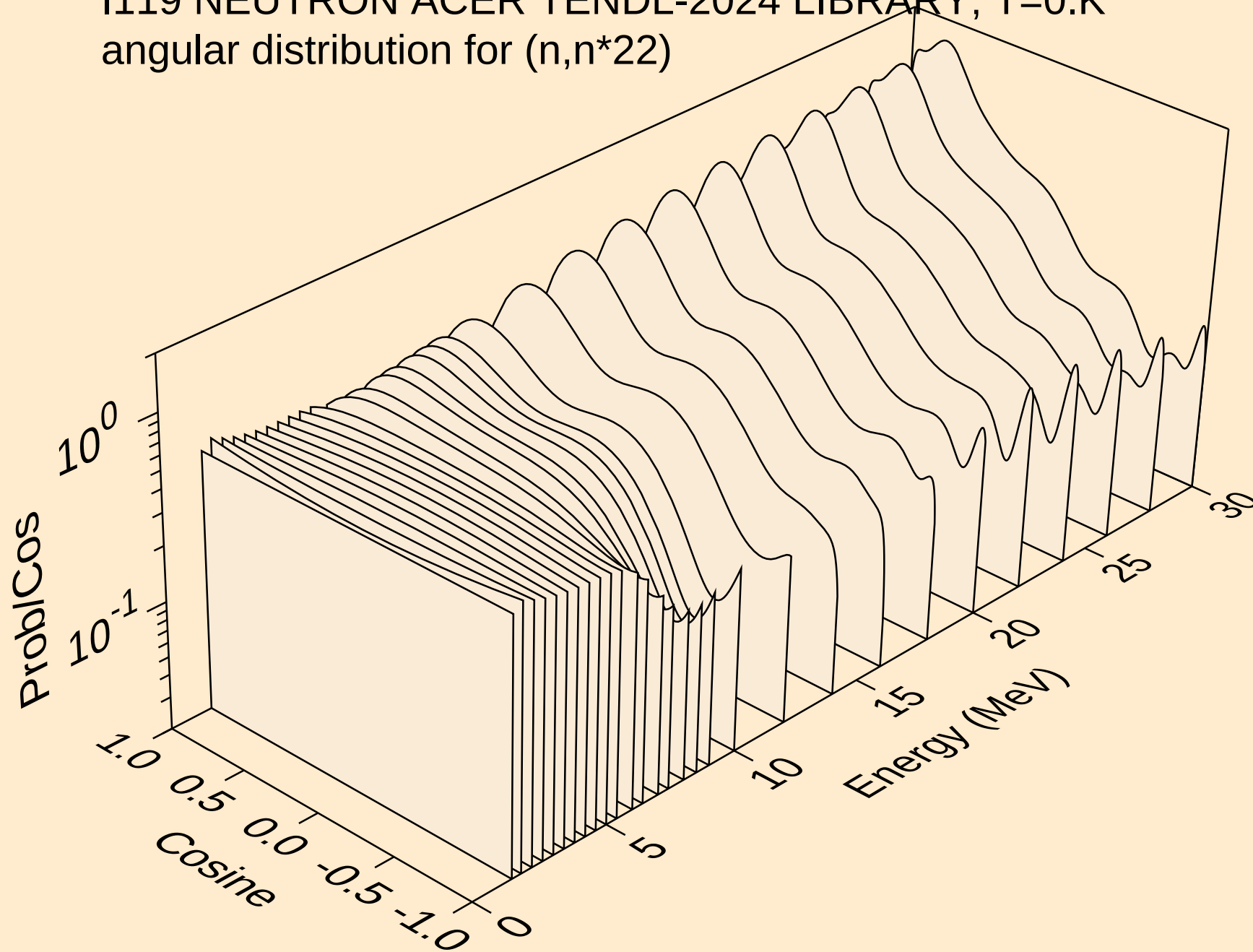
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angular distribution for (n,n\*20)



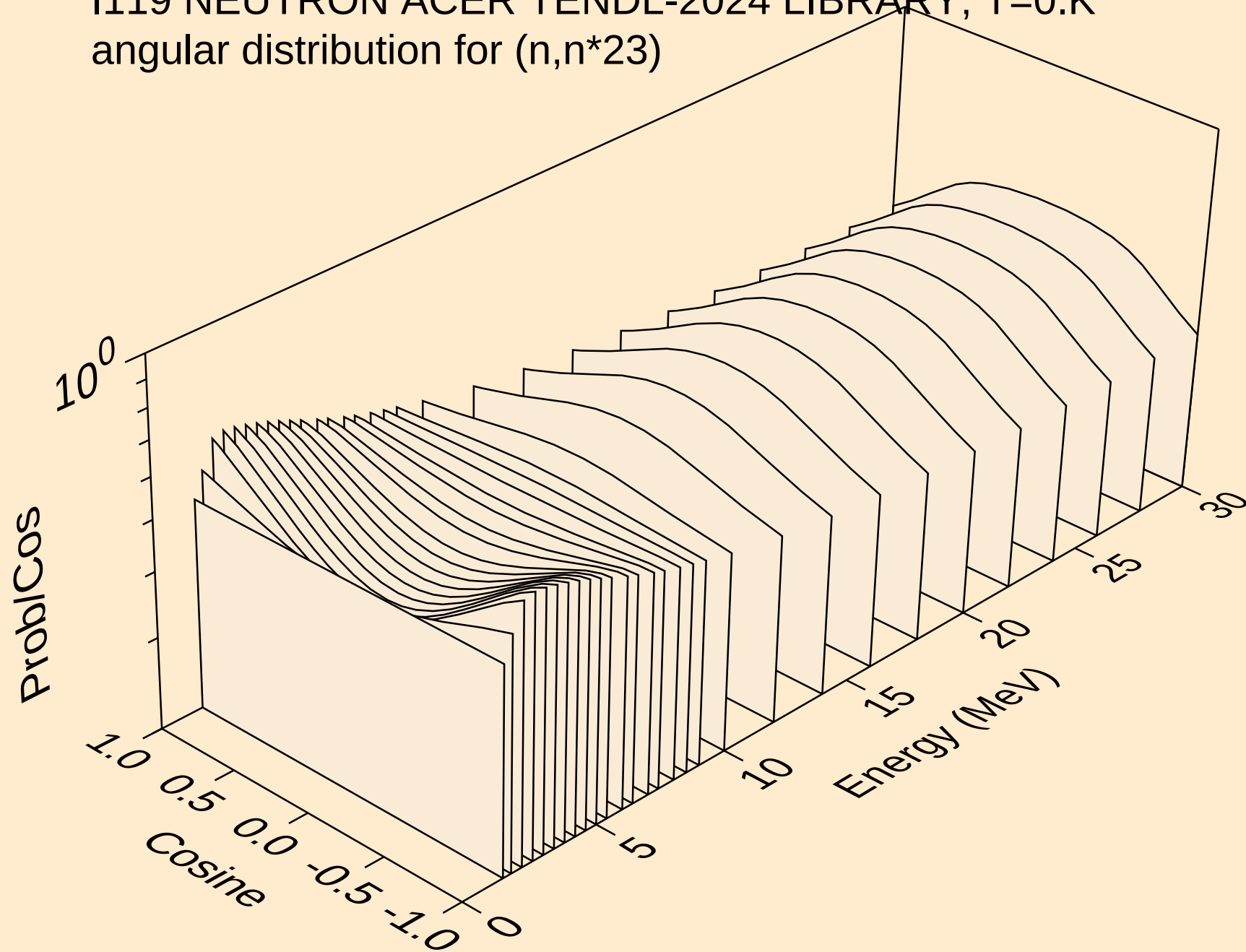
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angular distribution for (n,n\*21)



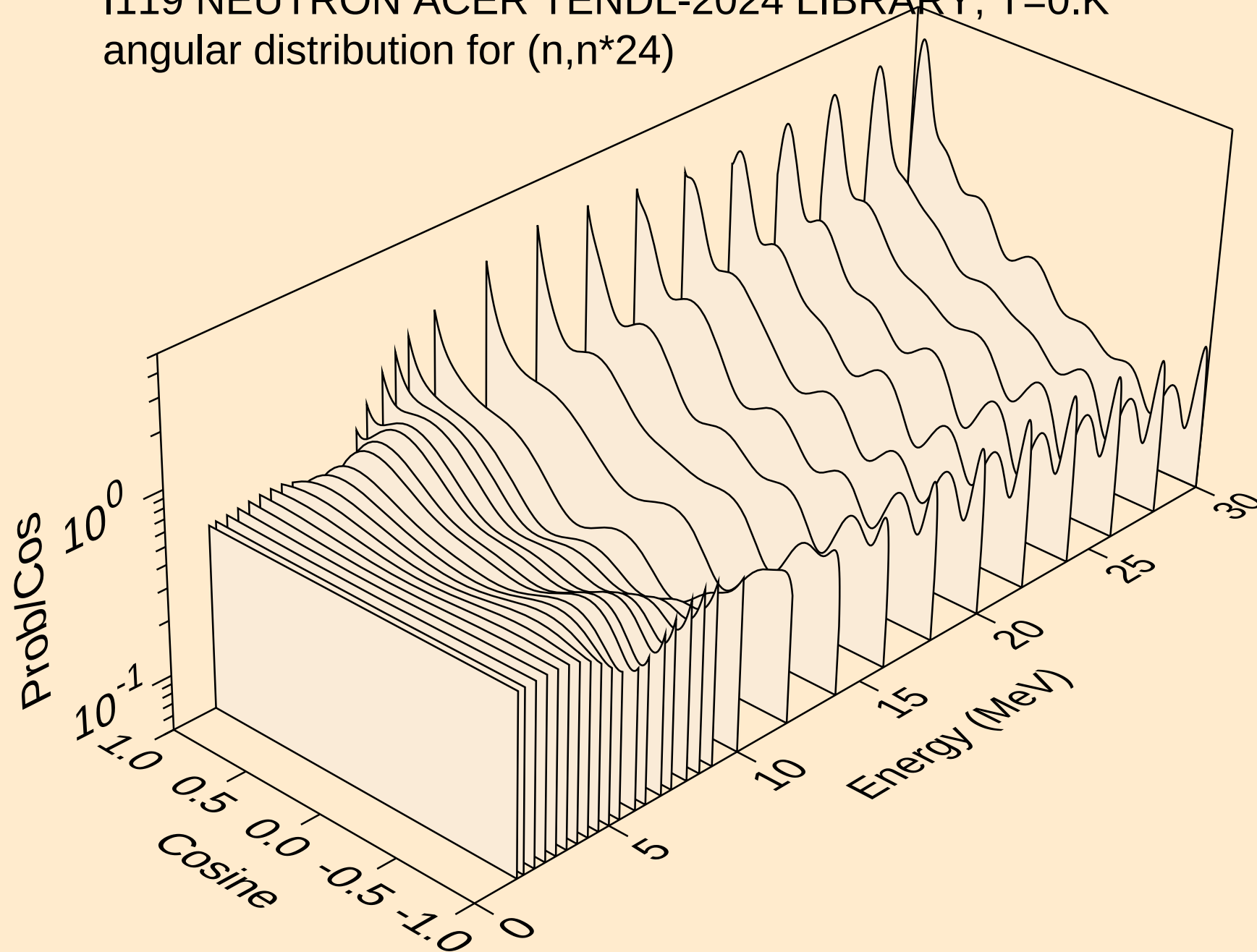
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angular distribution for (n,n\*22)



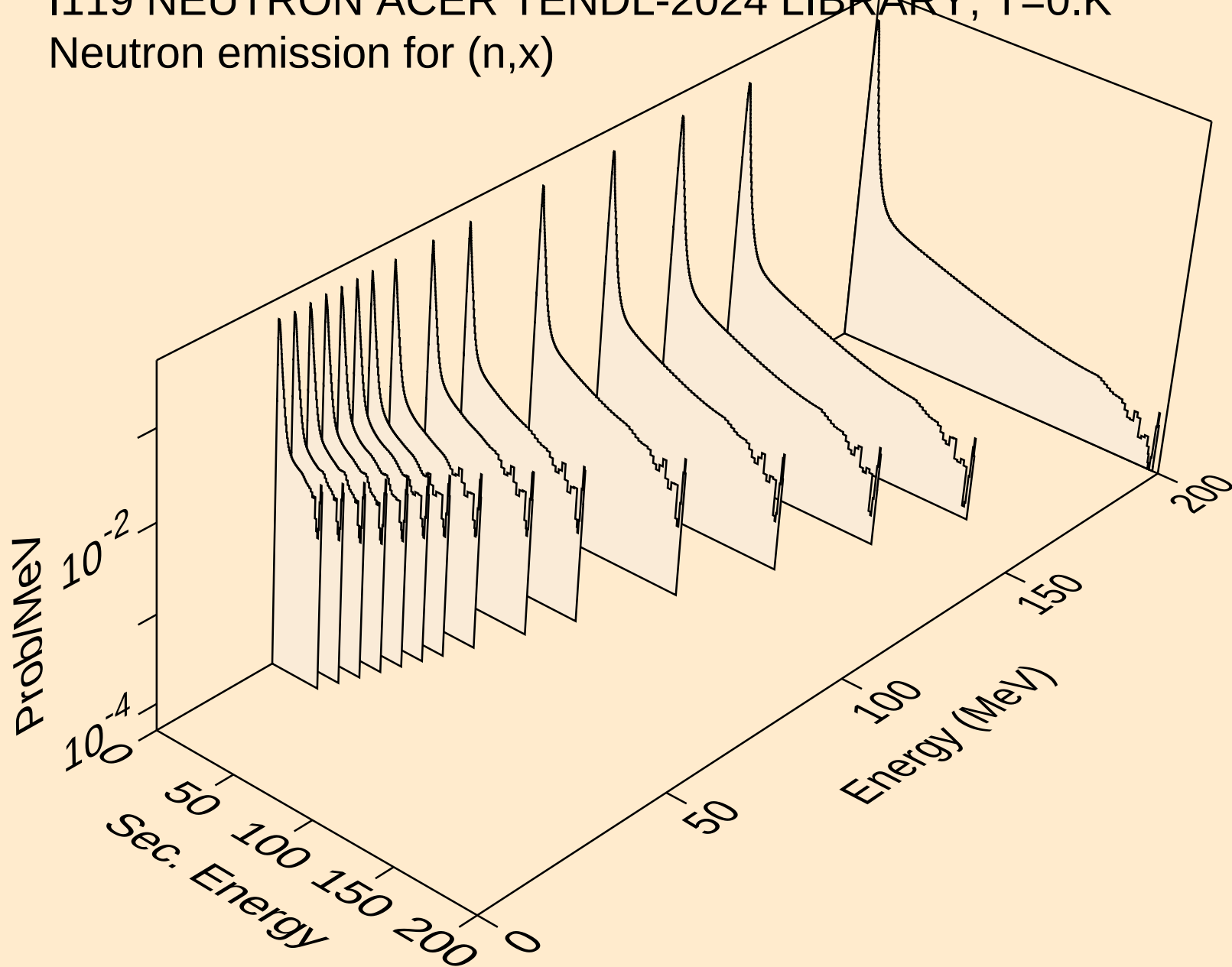
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angular distribution for (n,n\*23)



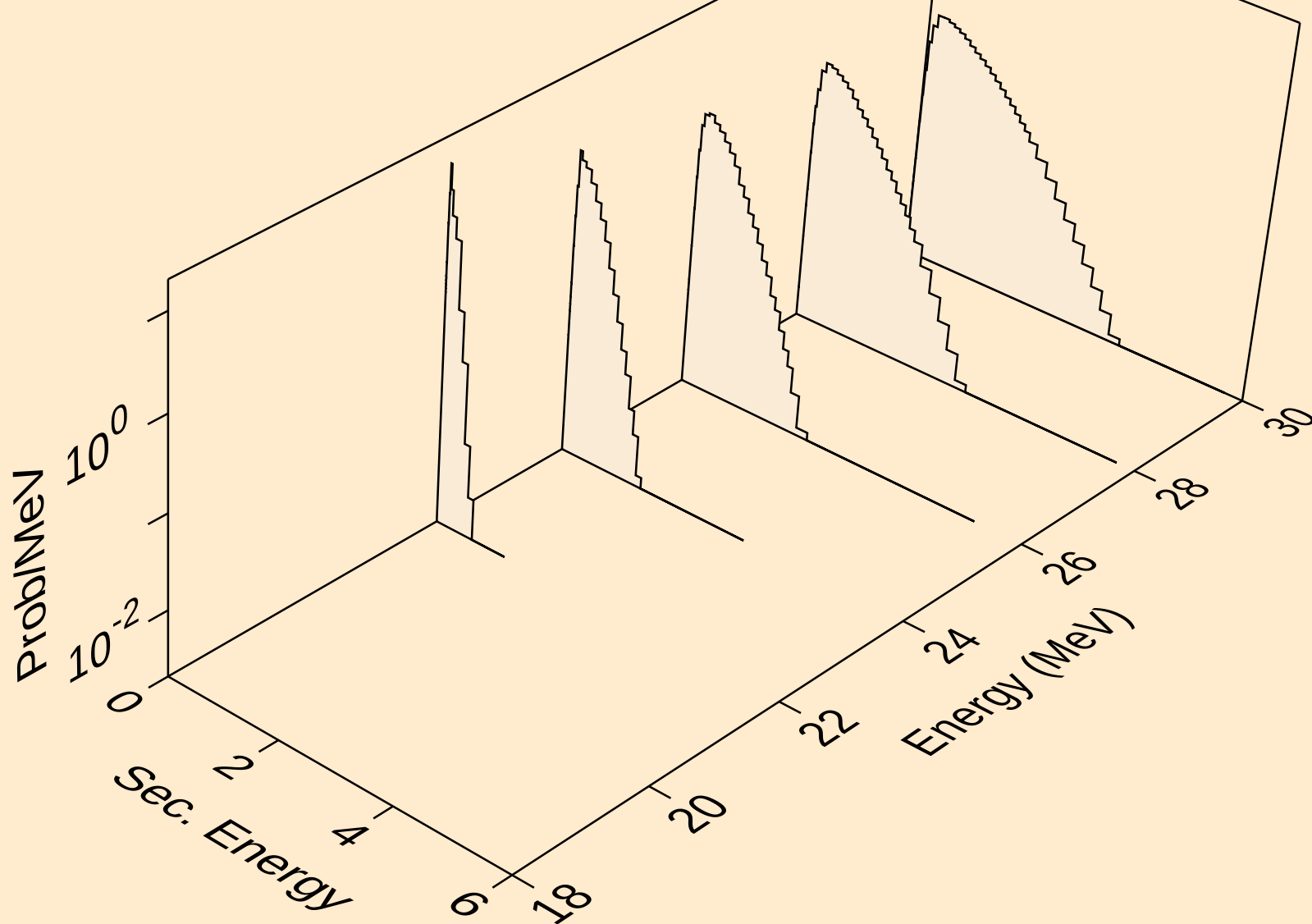
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angular distribution for (n,n\*24)



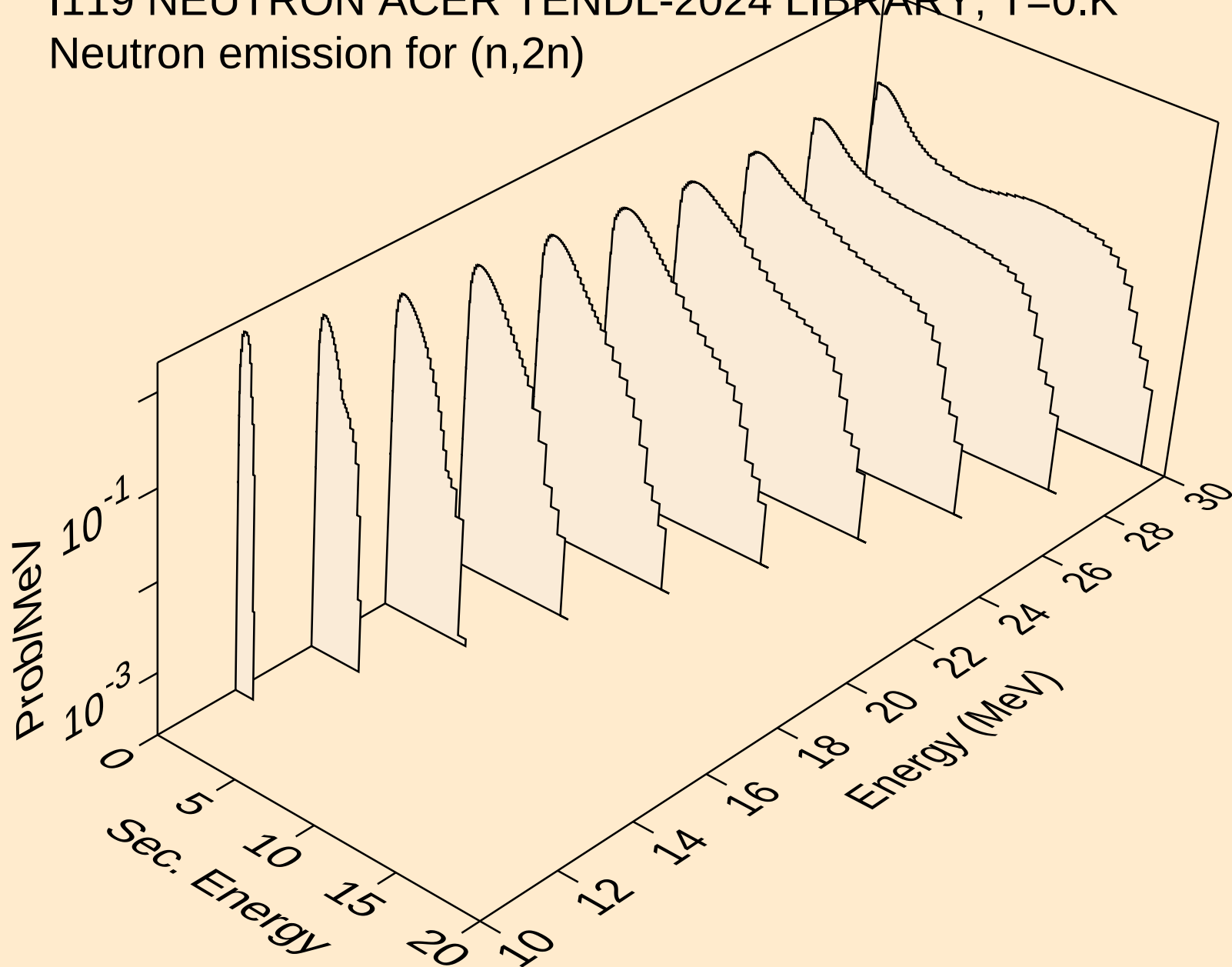
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



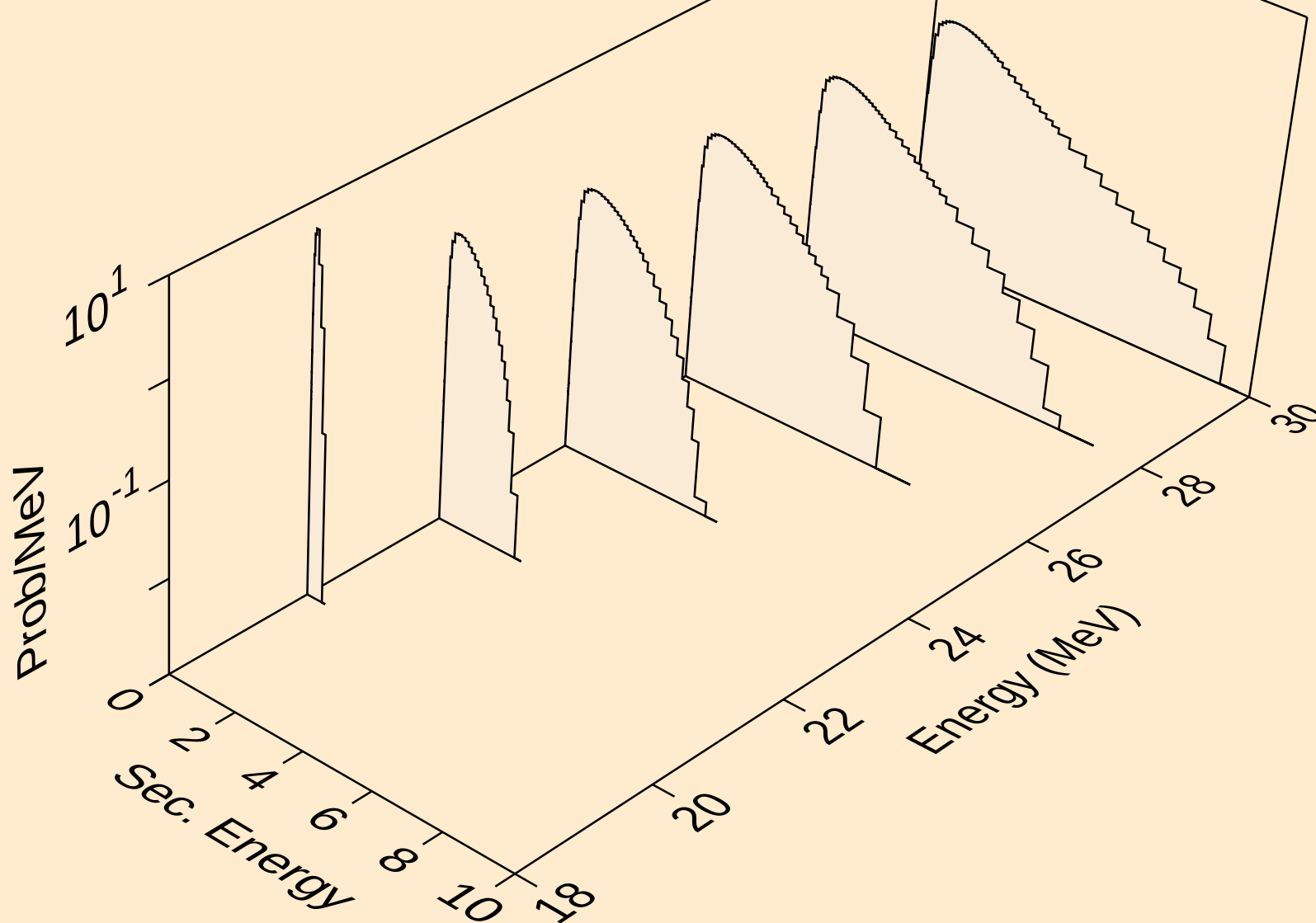
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



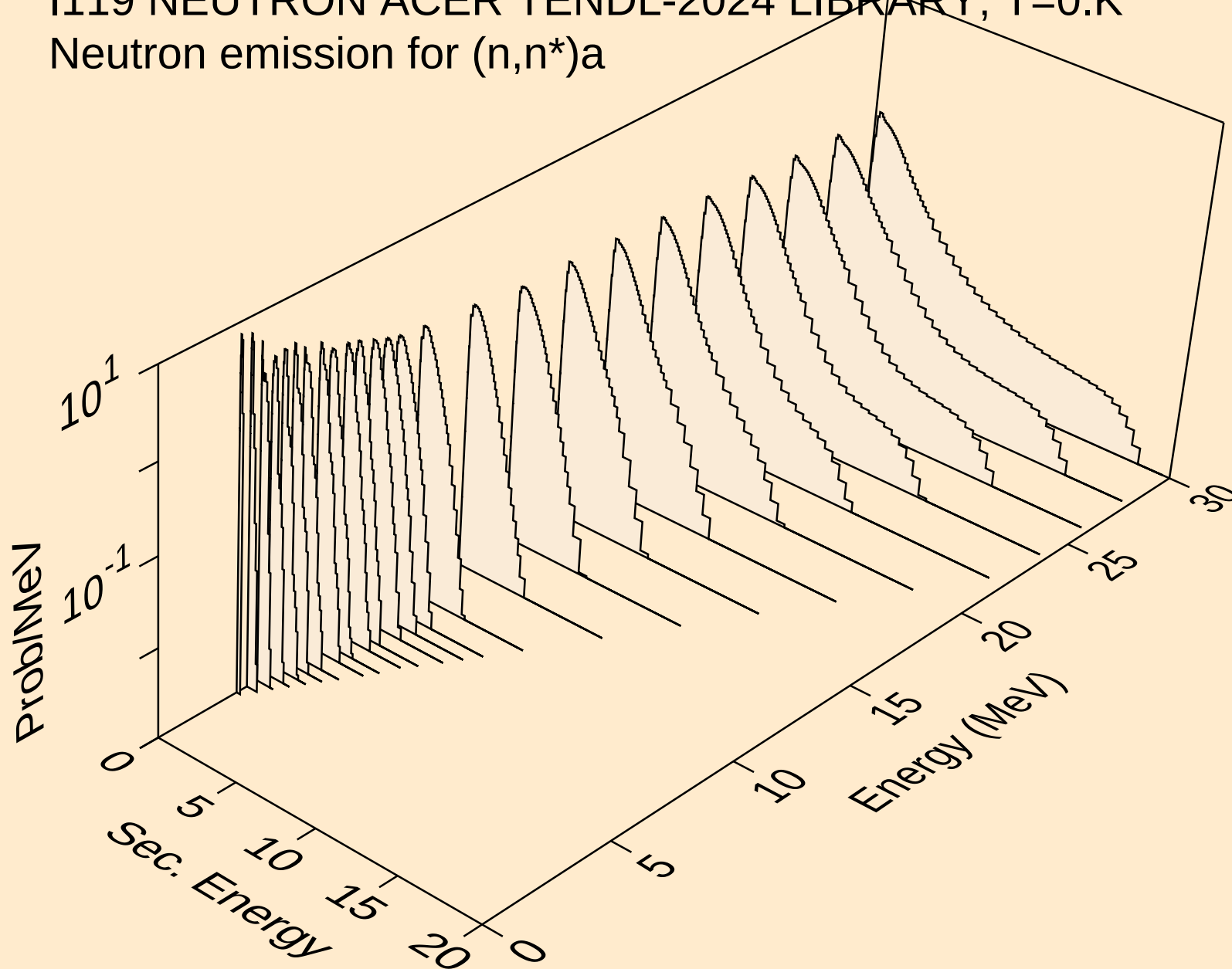
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



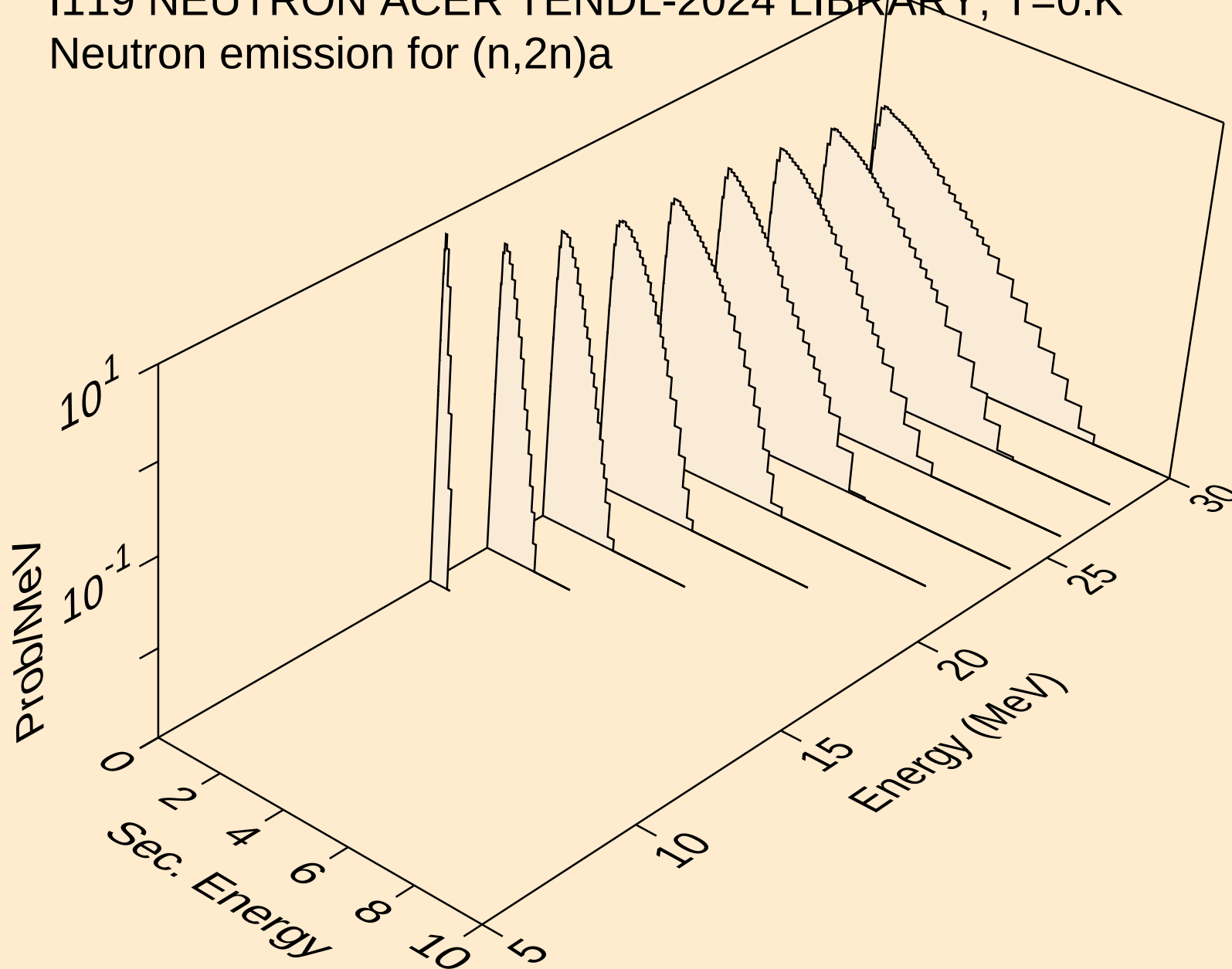
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



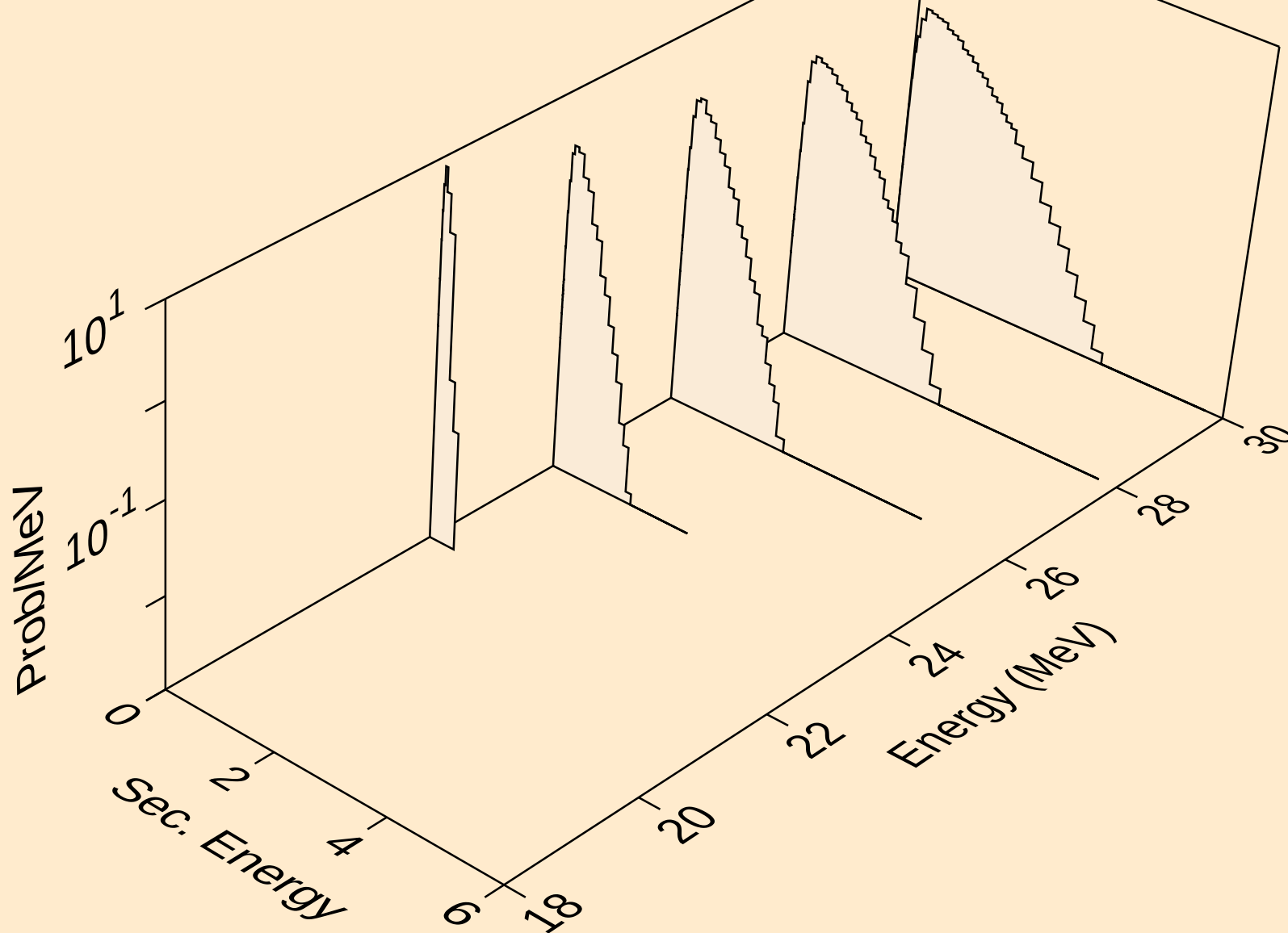
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



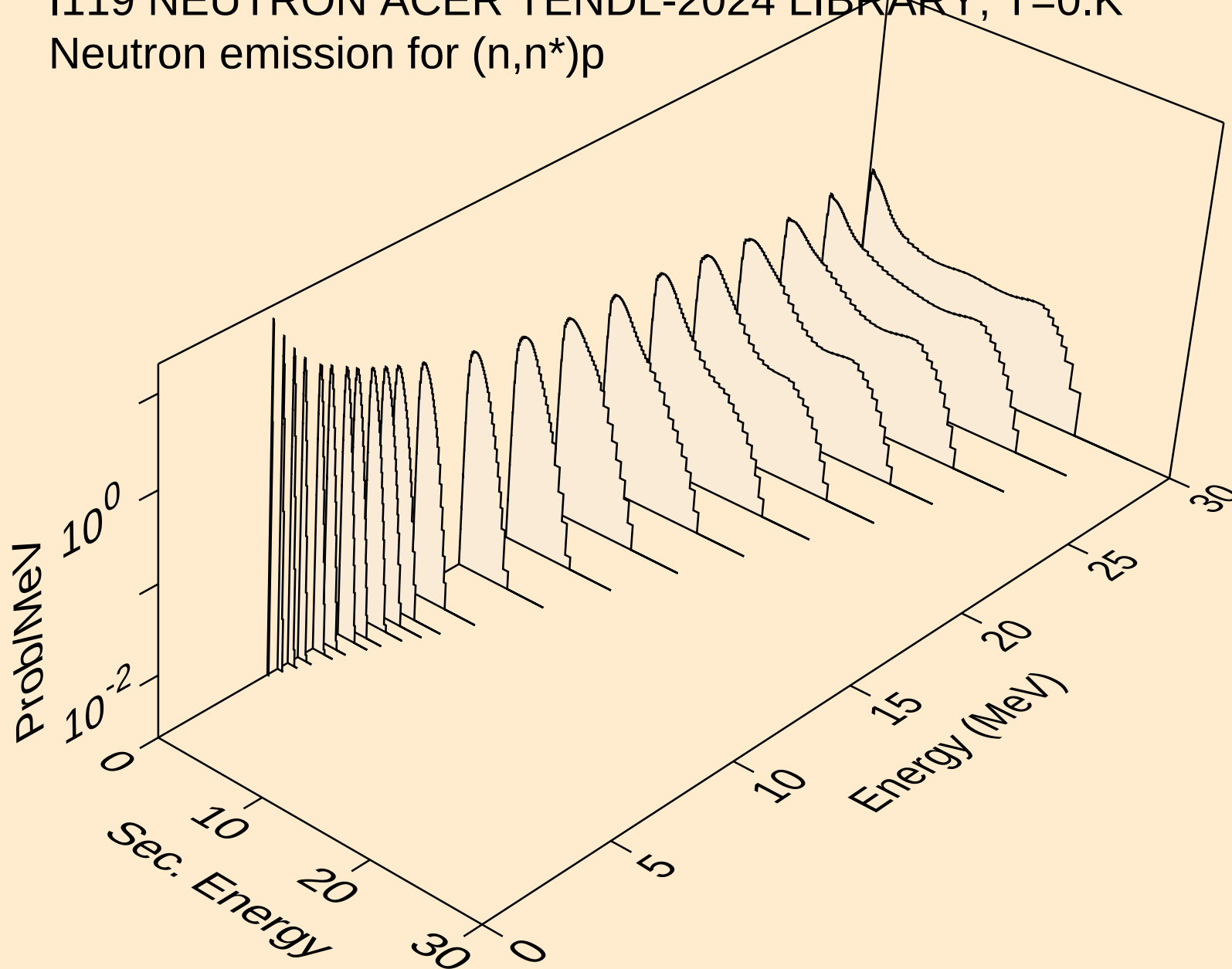
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



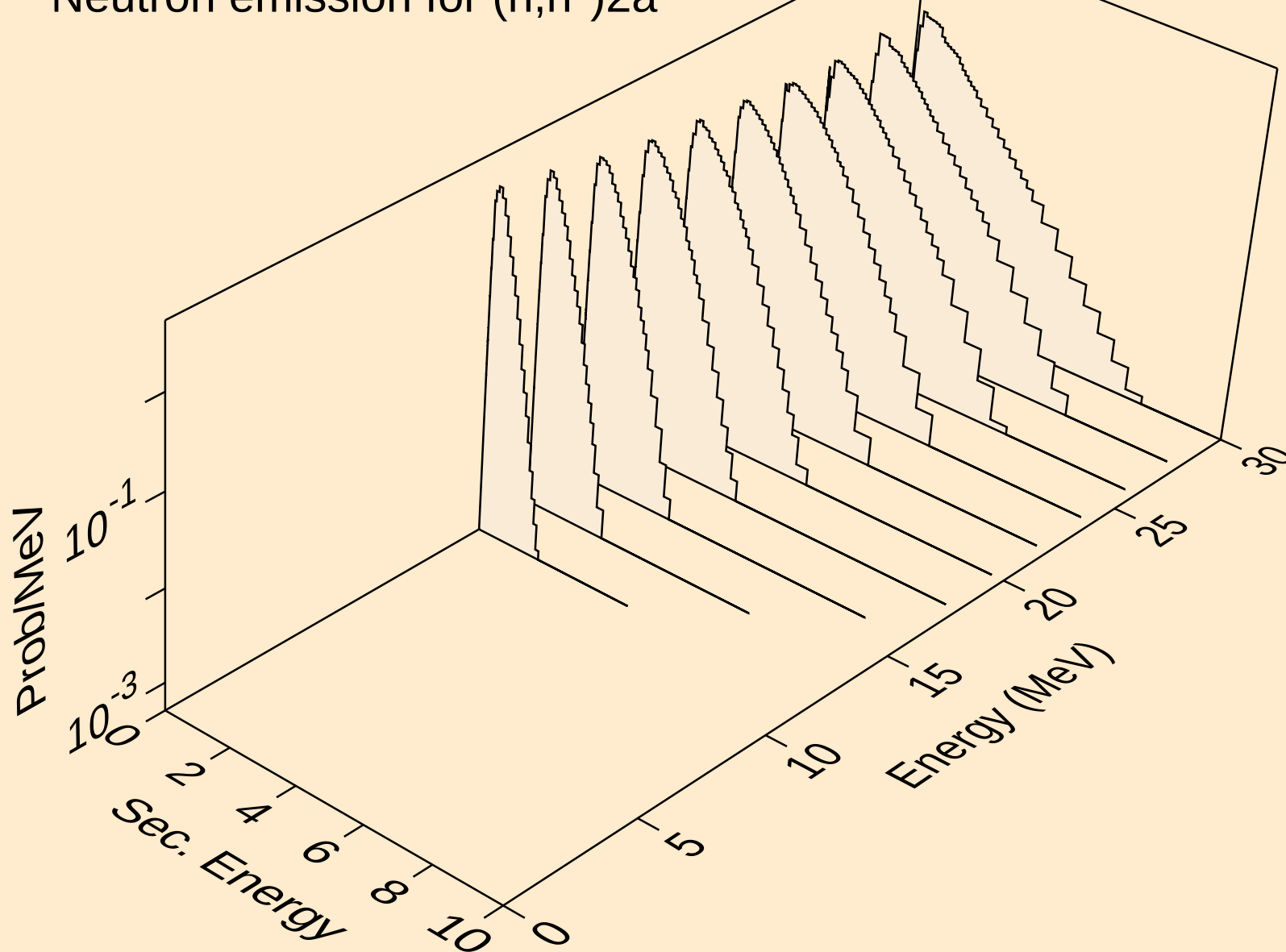
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



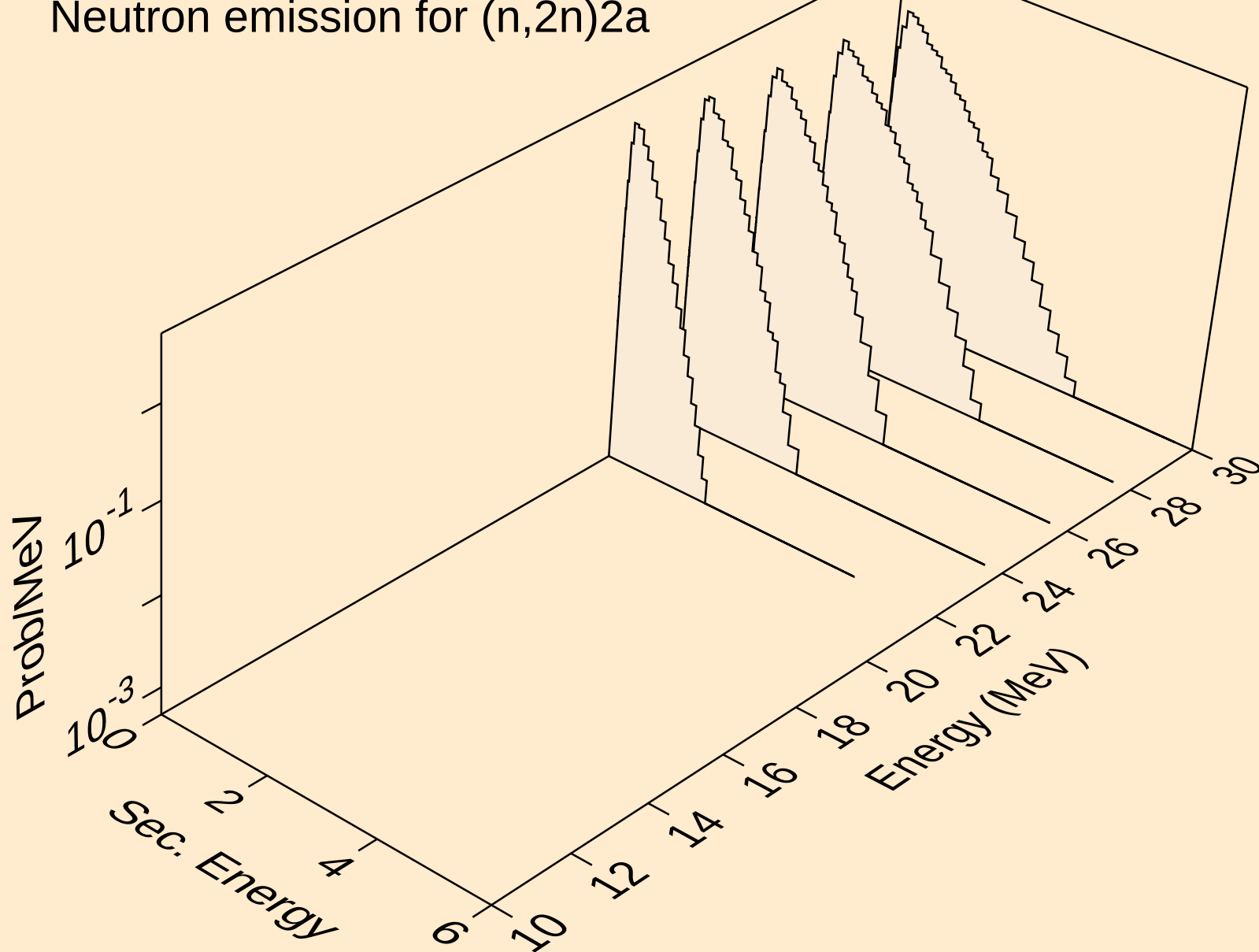
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Neutron emission for (n,n\*)p



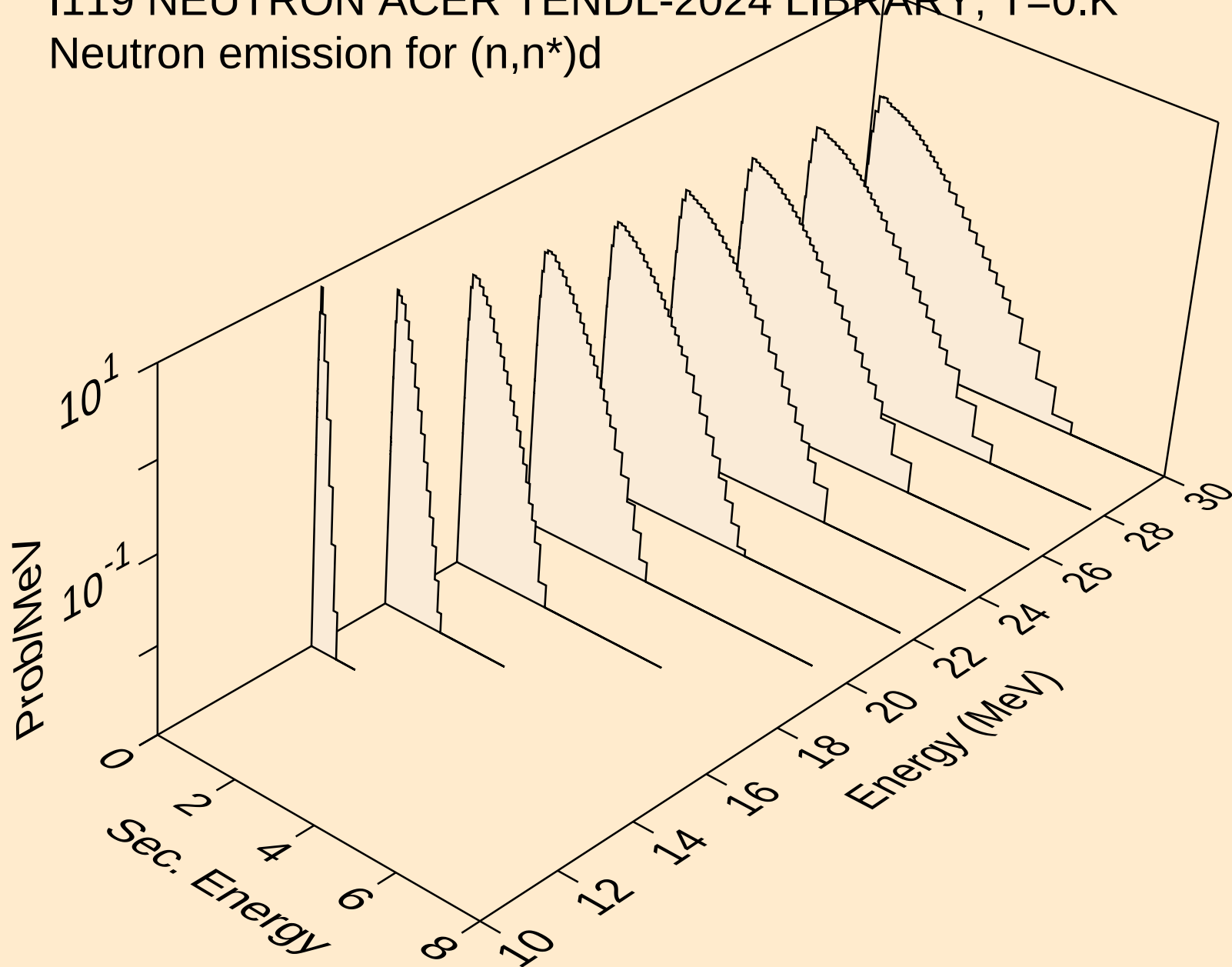
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Neutron emission for (n,n\*)2a



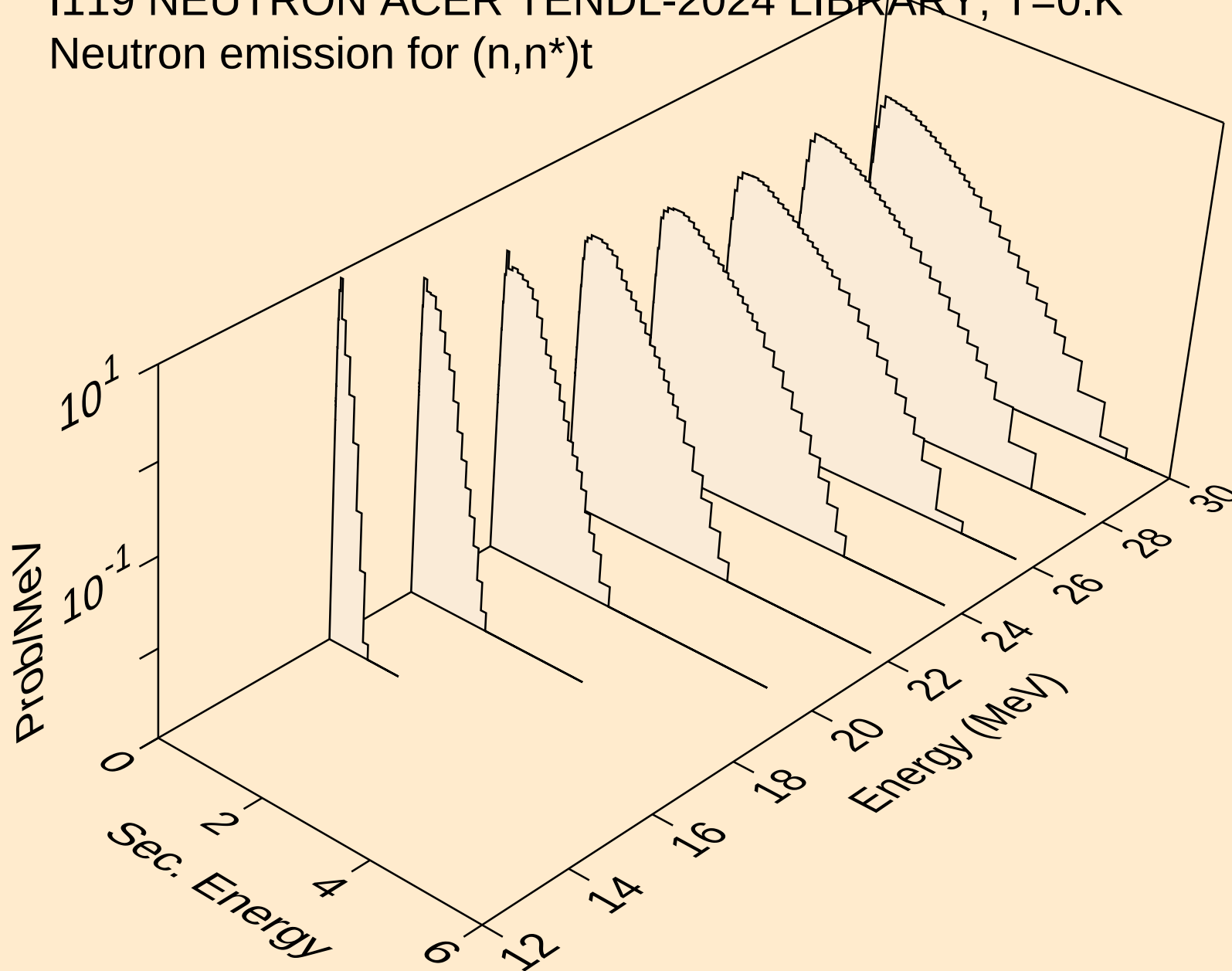
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



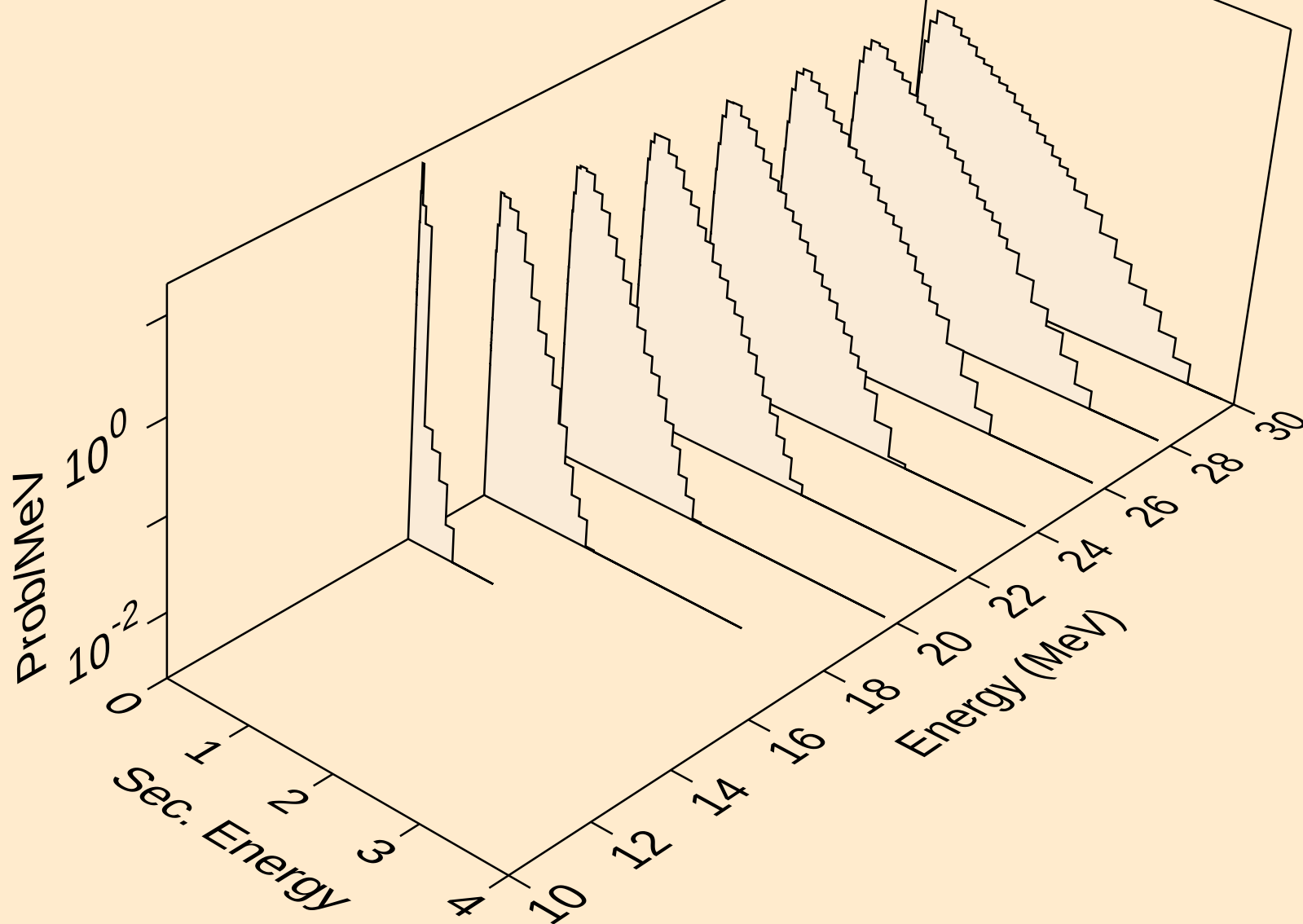
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



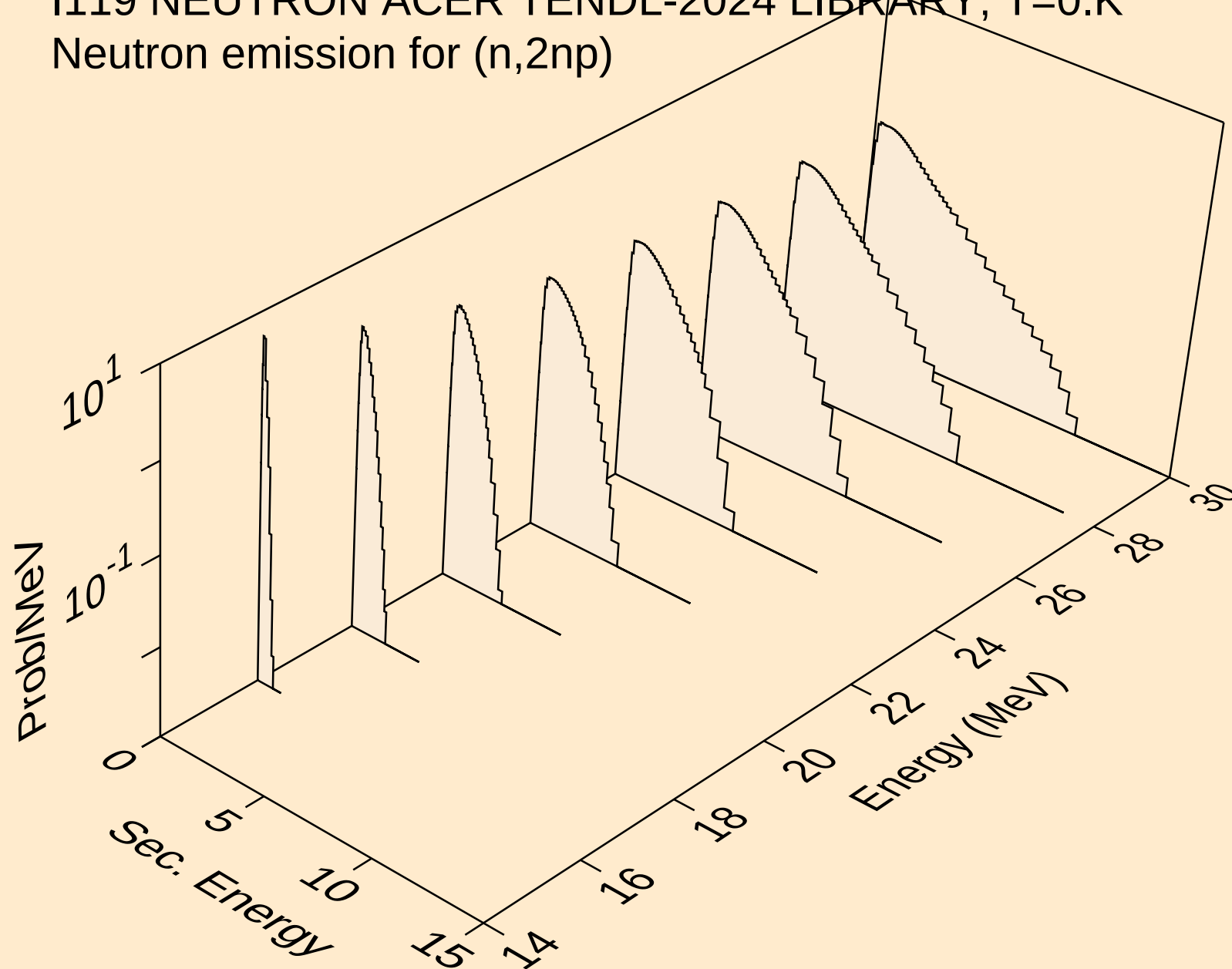
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Neutron emission for (n,n\*)t



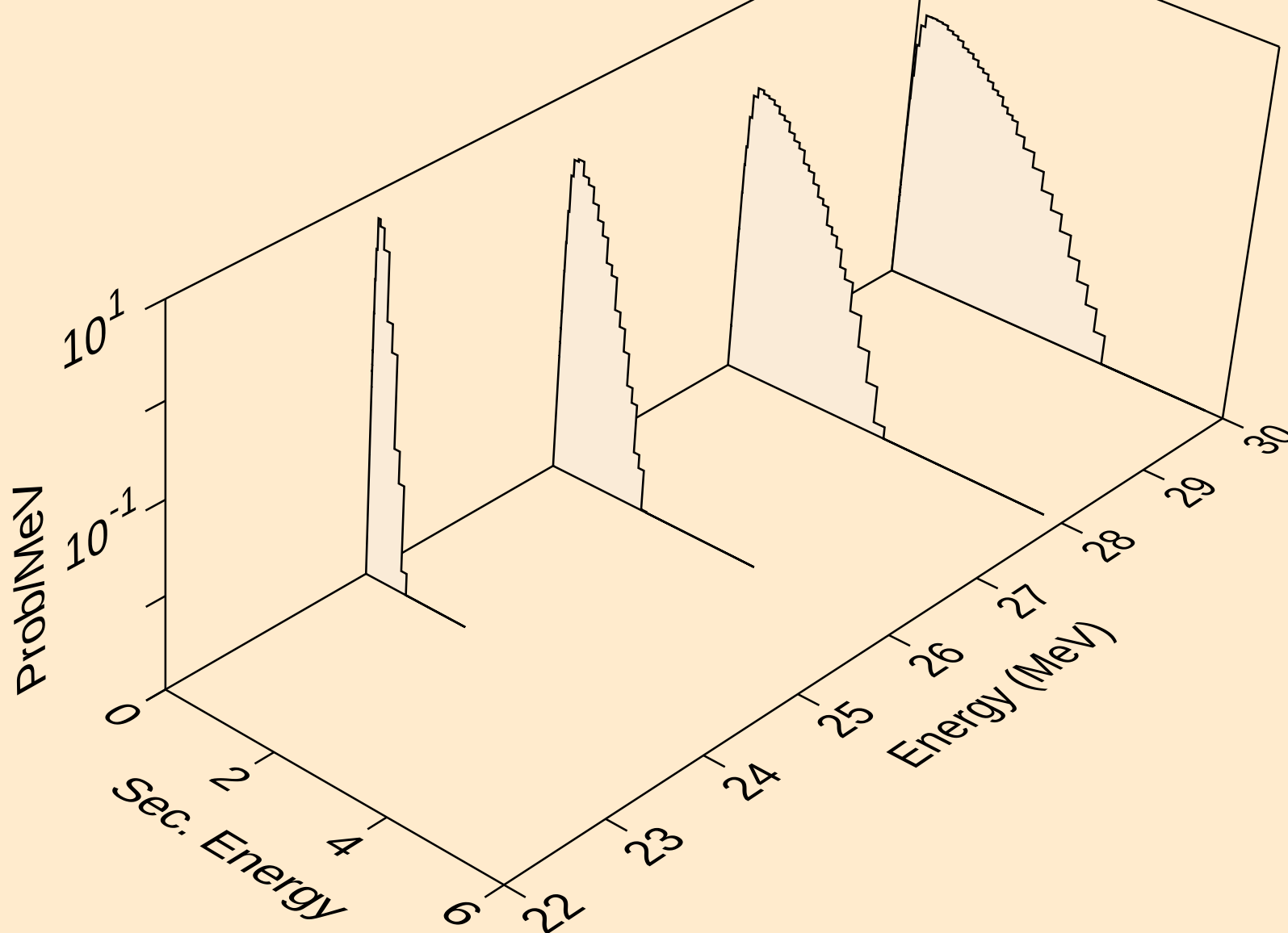
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



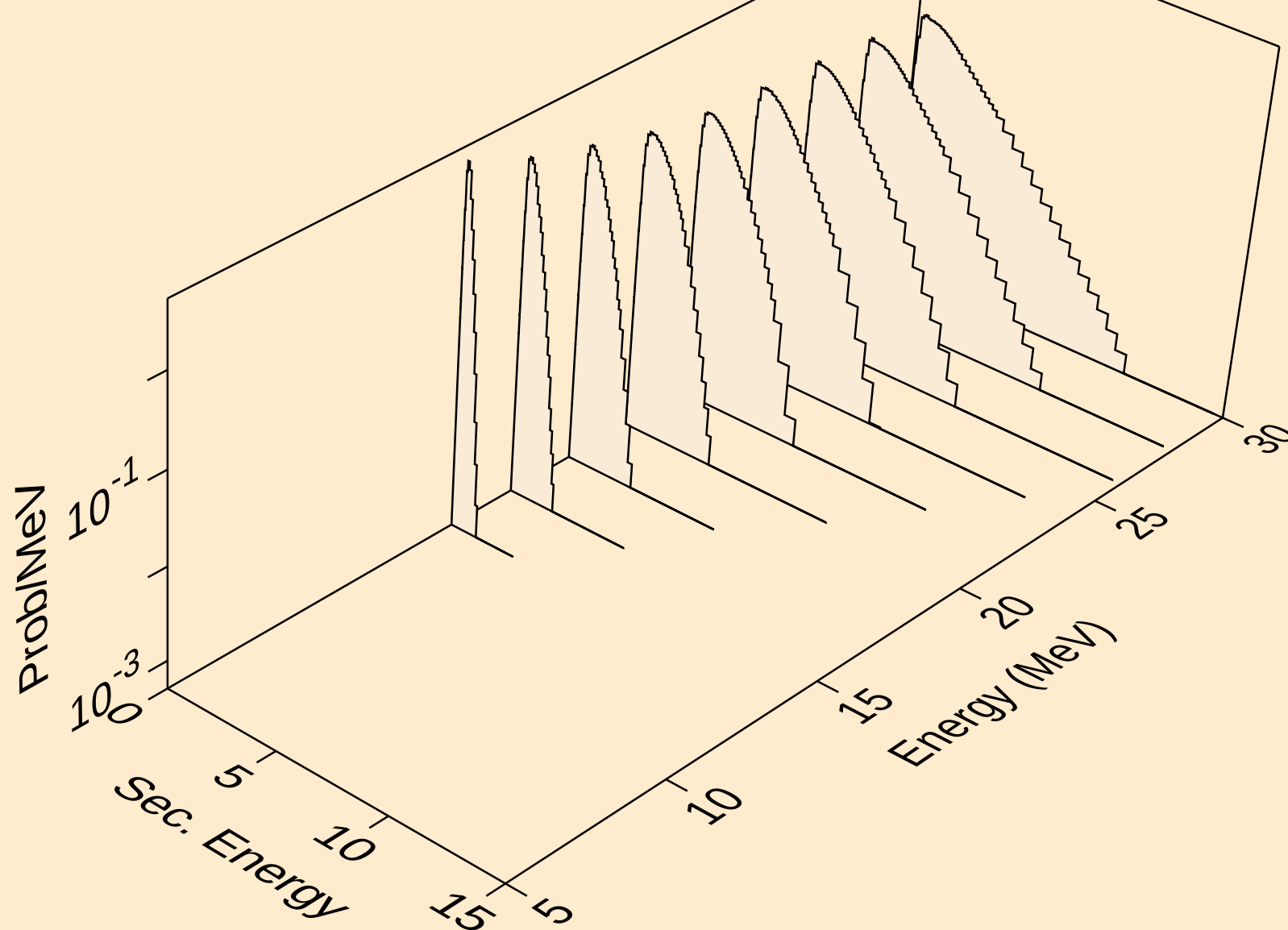
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



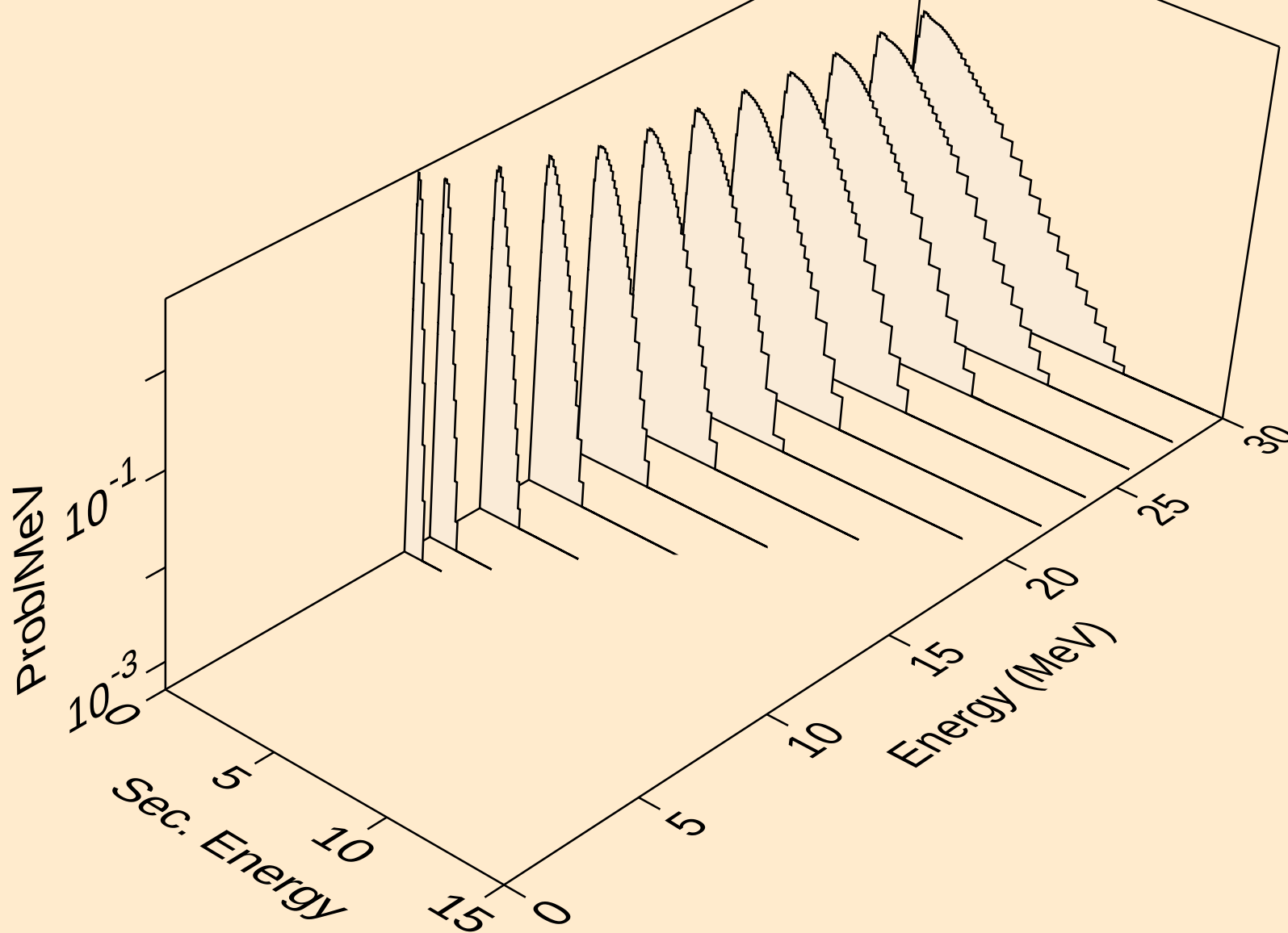
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



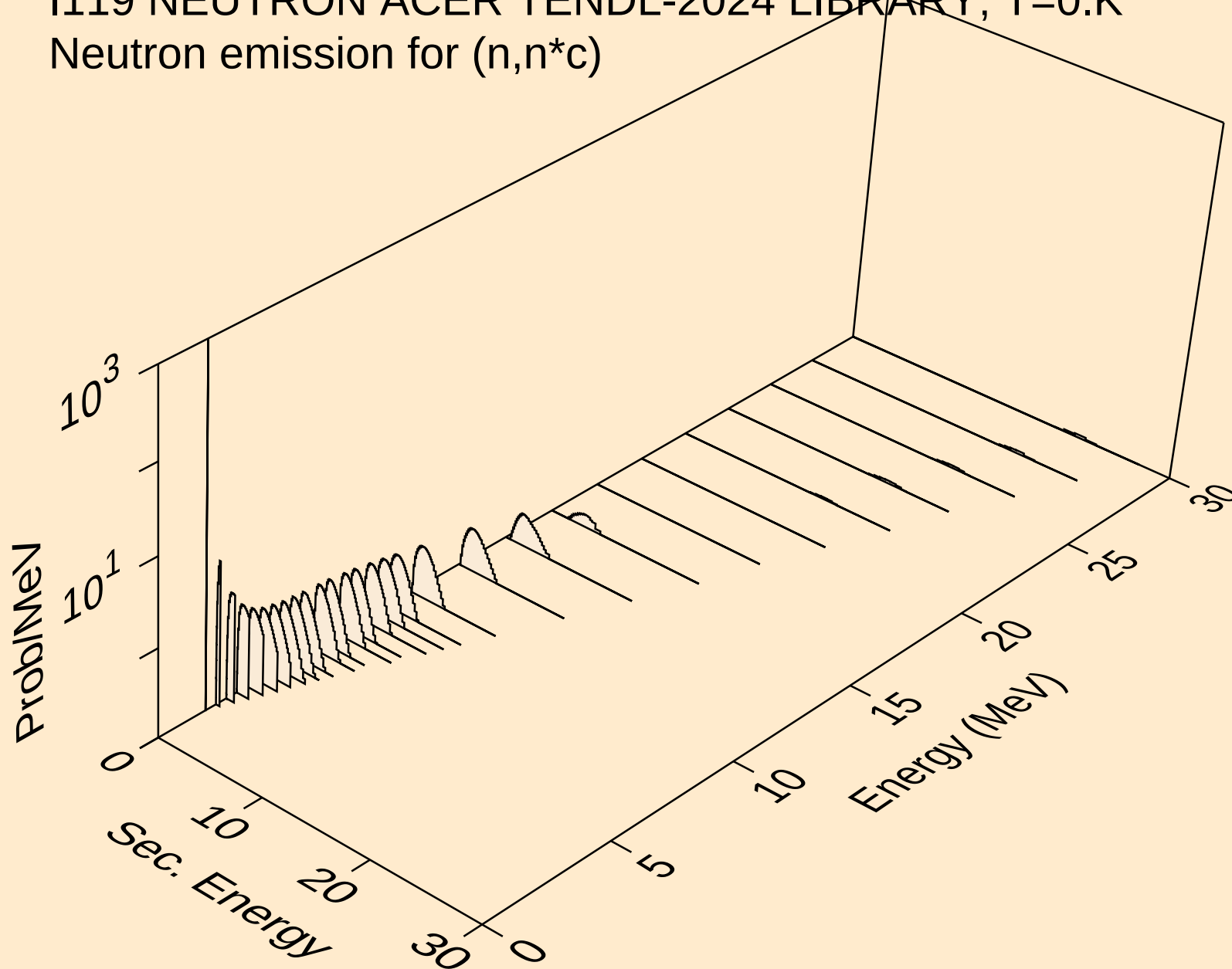
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



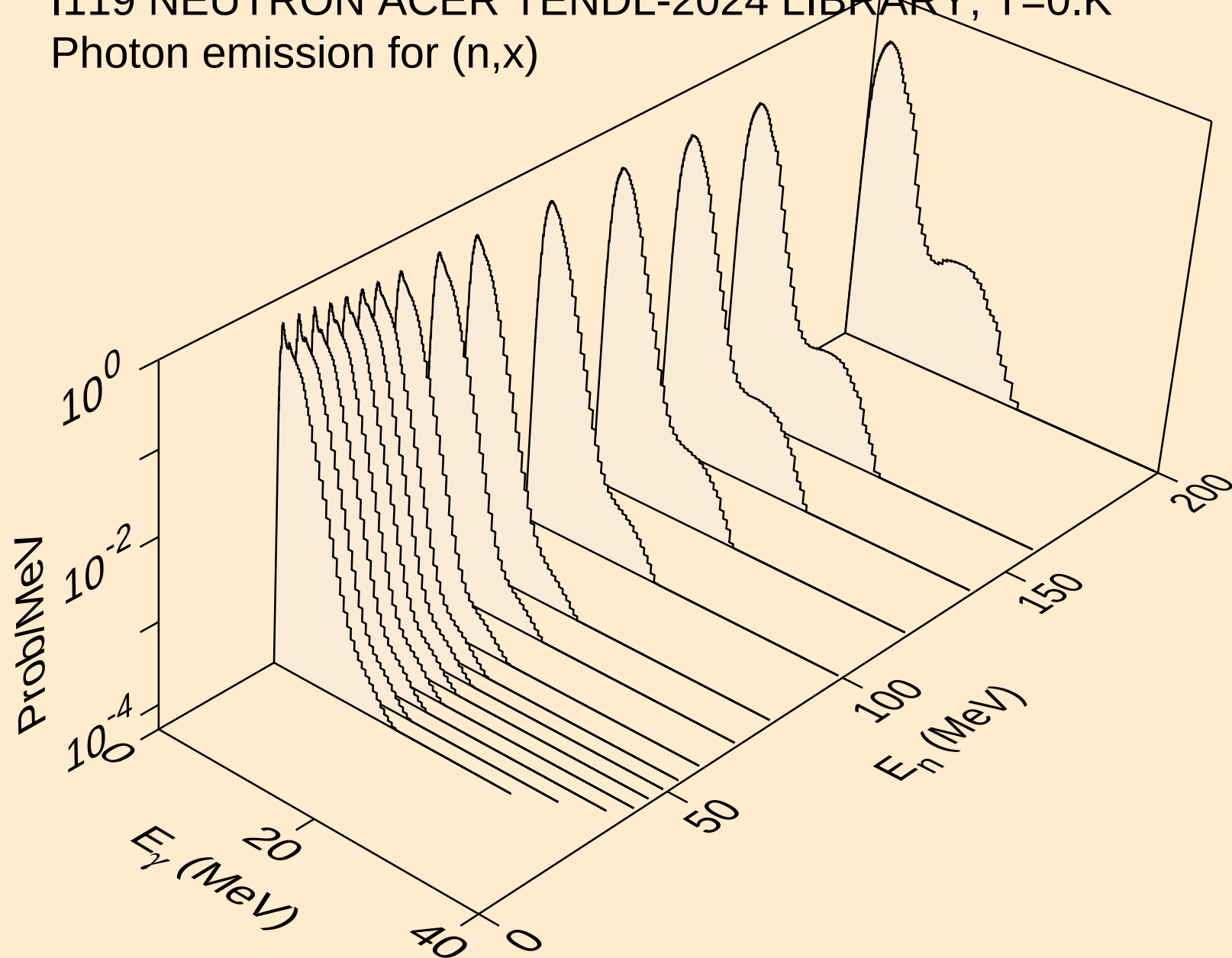
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



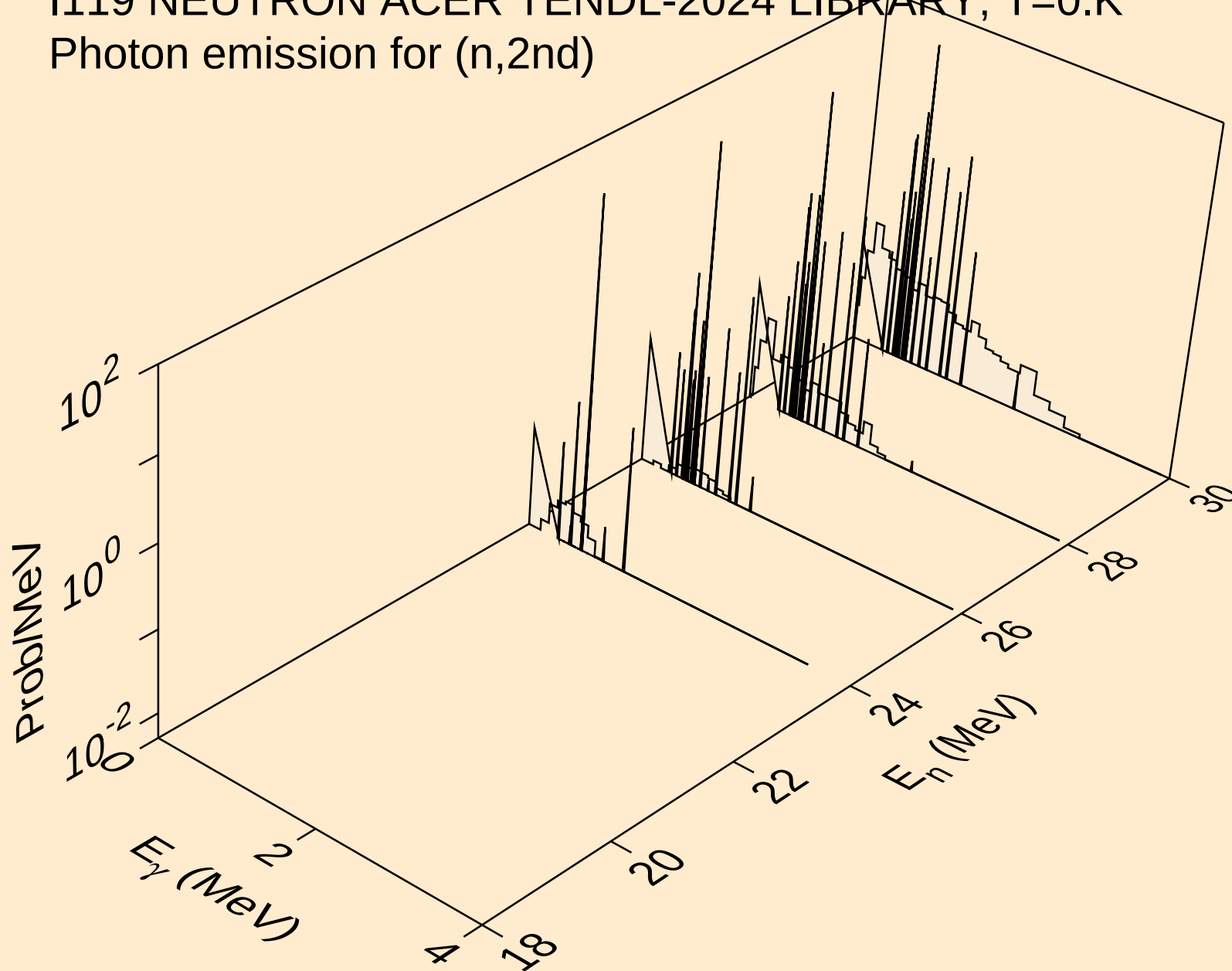
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



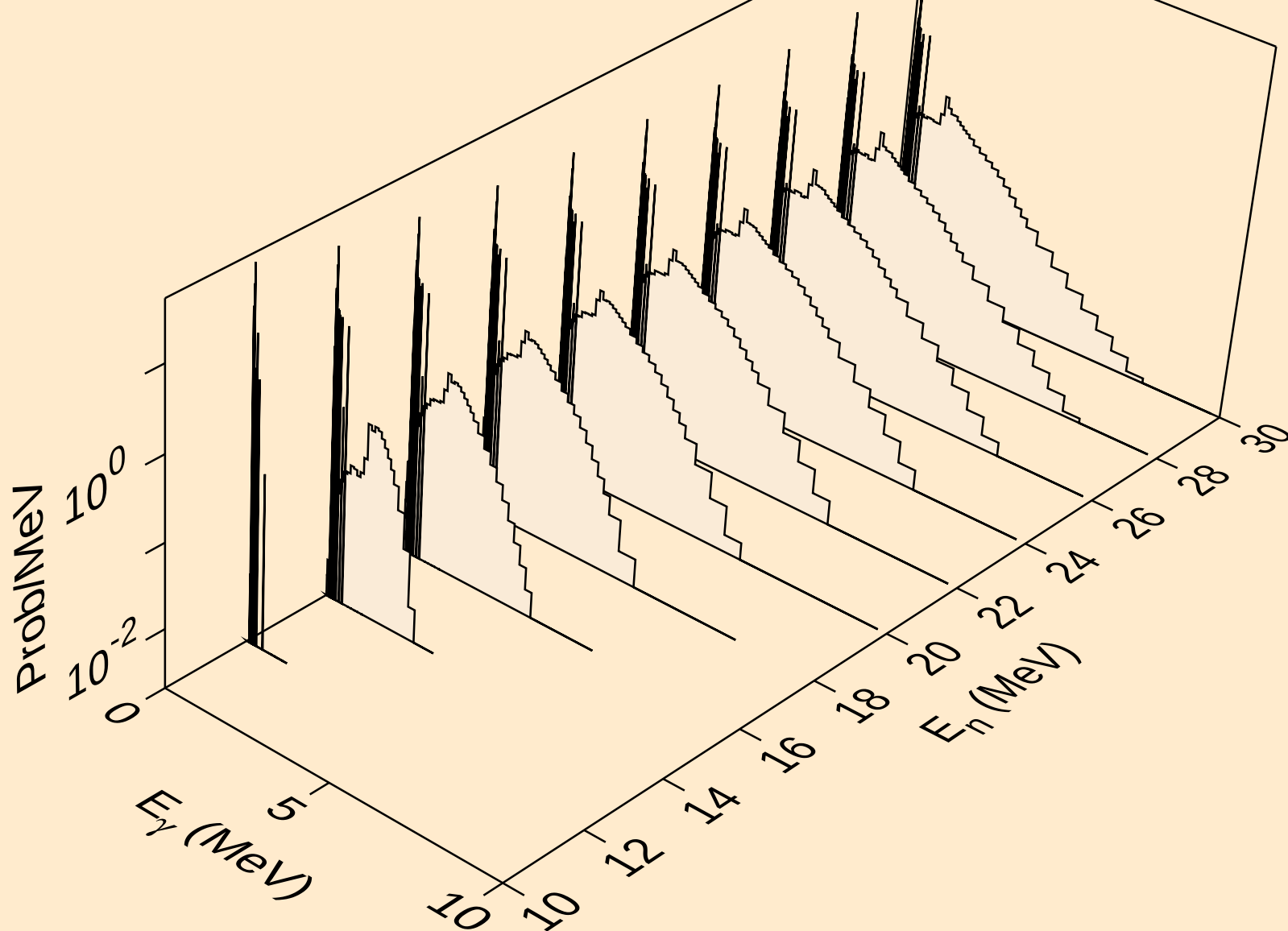
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



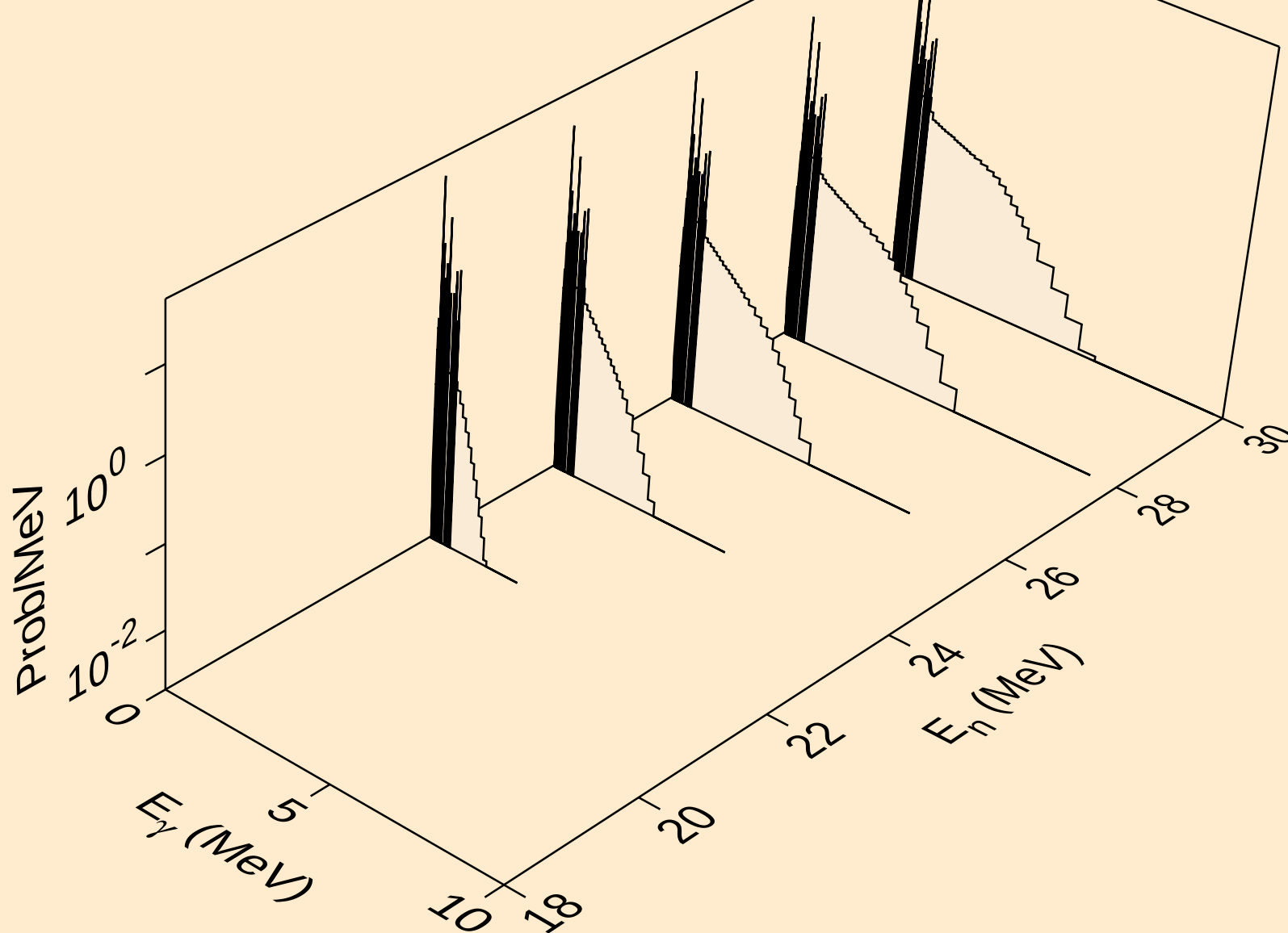
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Photon emission for (n,2nd)



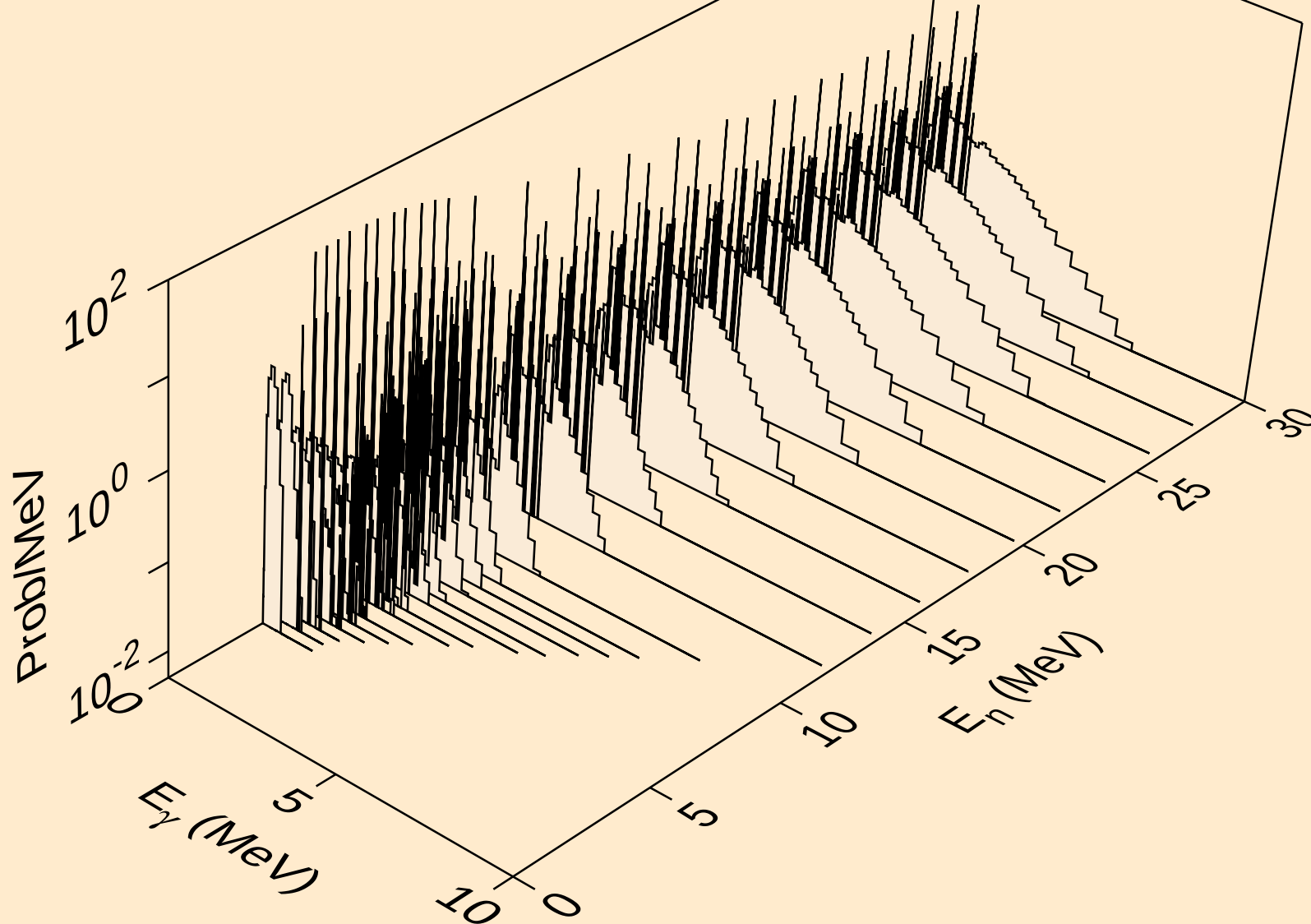
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Photon emission for (n,2n)



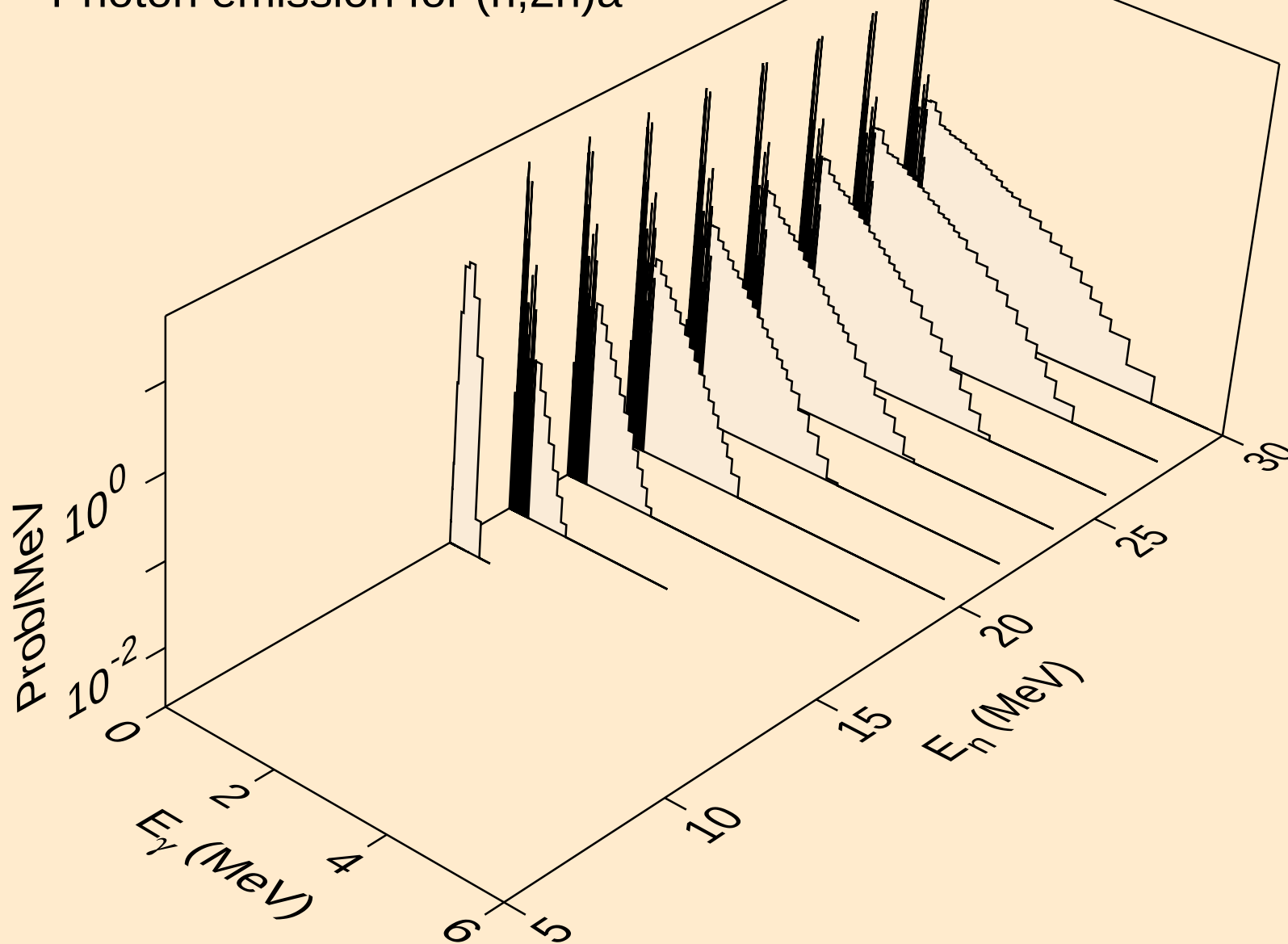
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

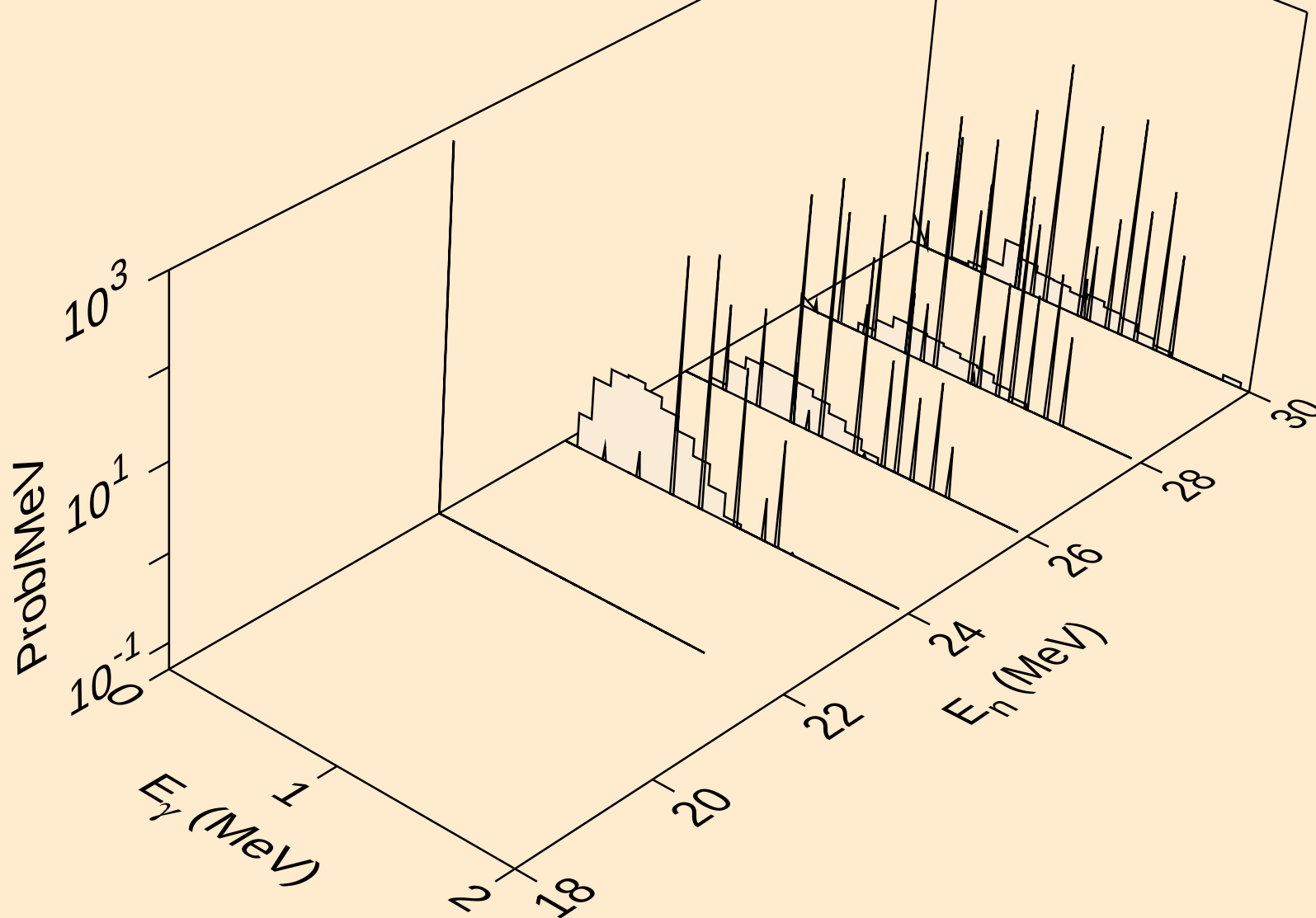


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

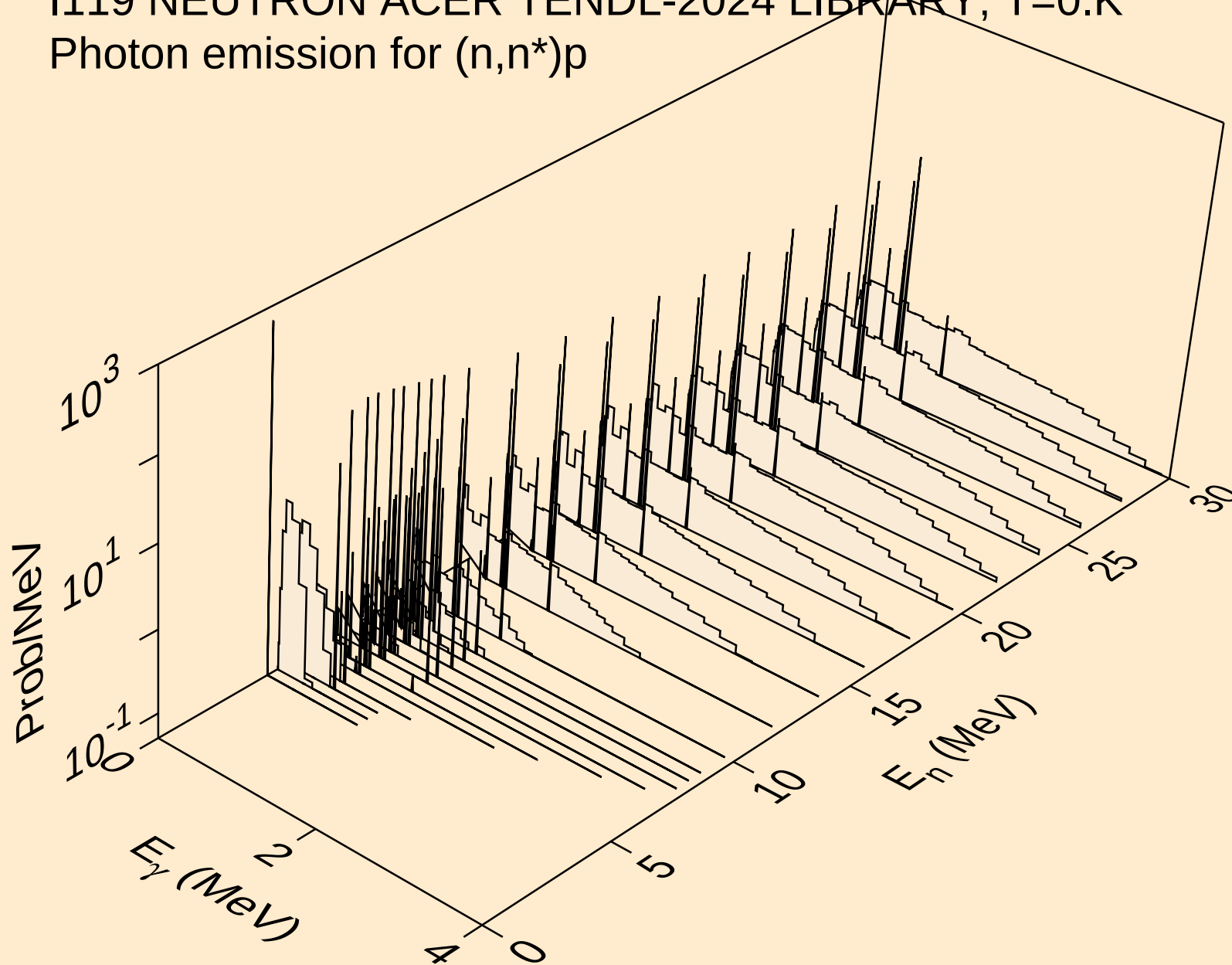


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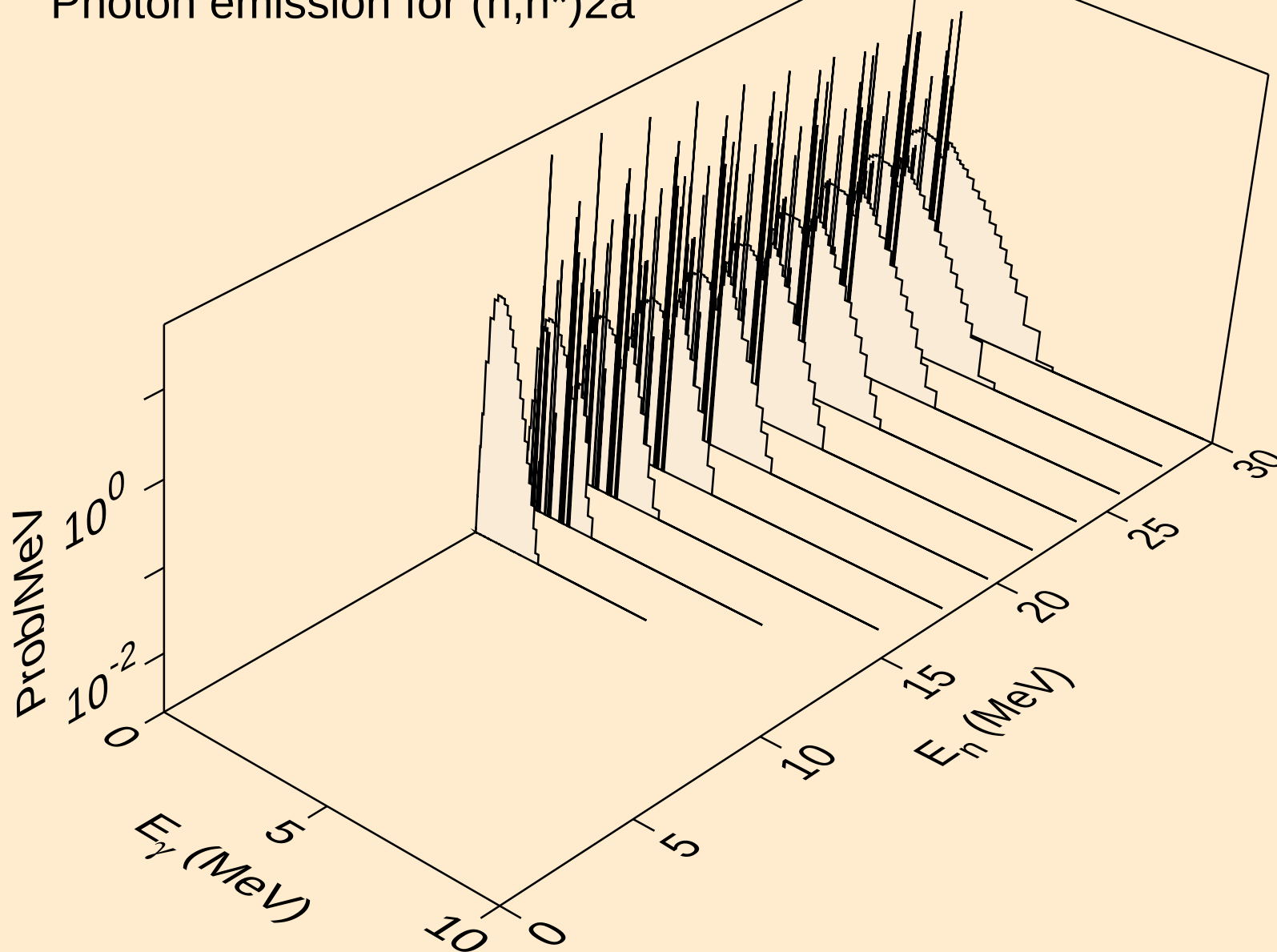
Photon emission for (n,3n)a



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

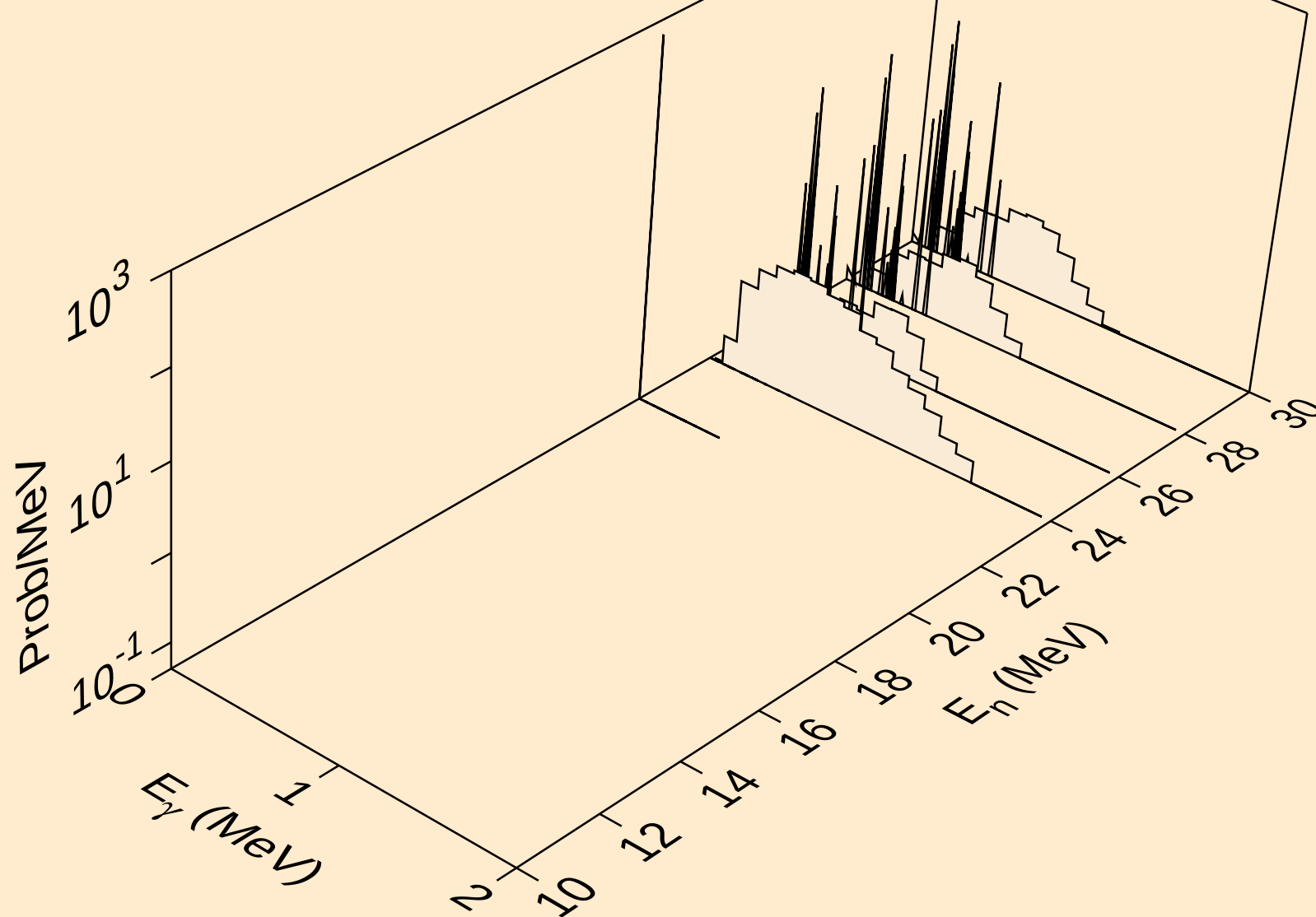


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



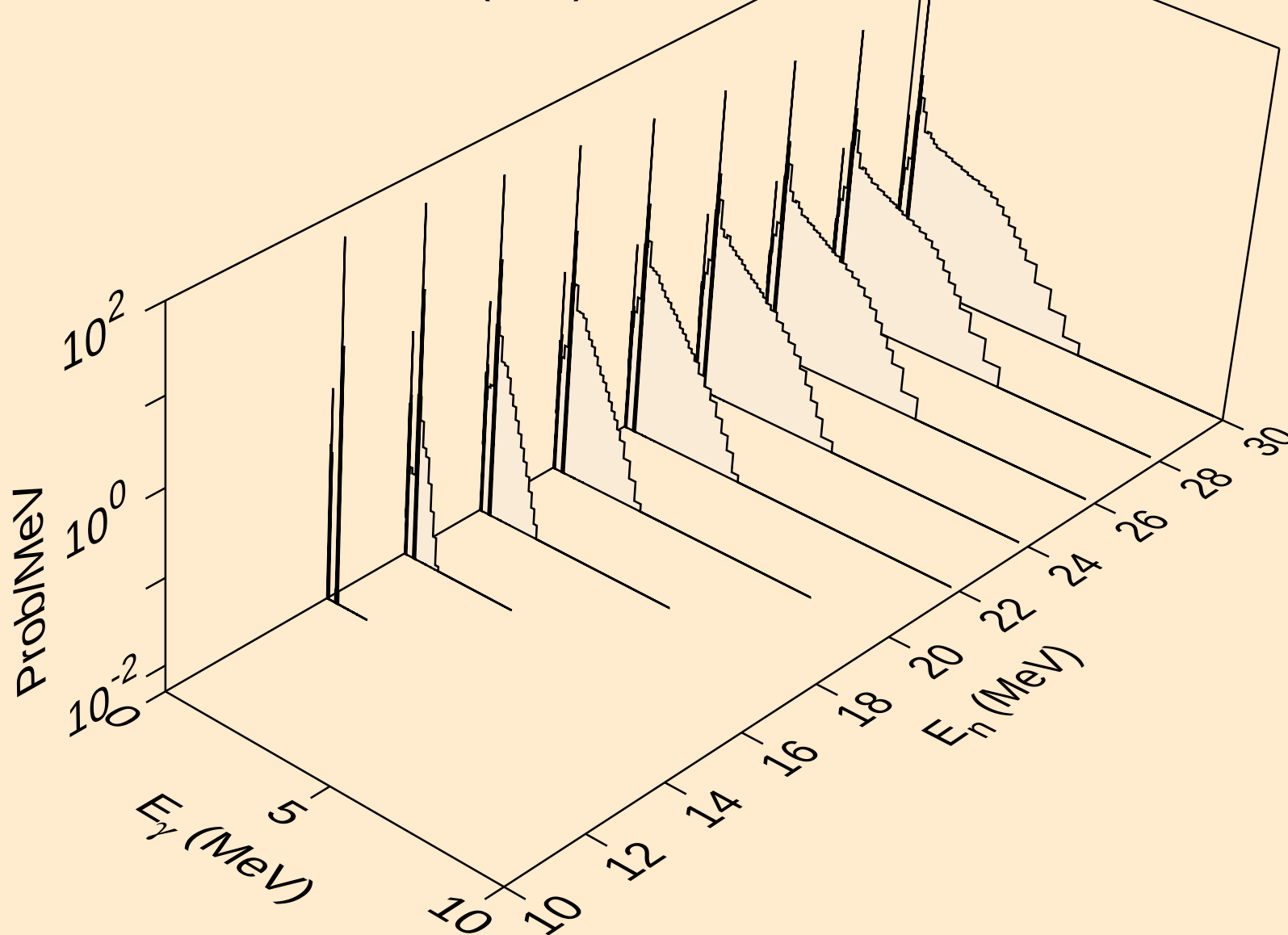
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)2a



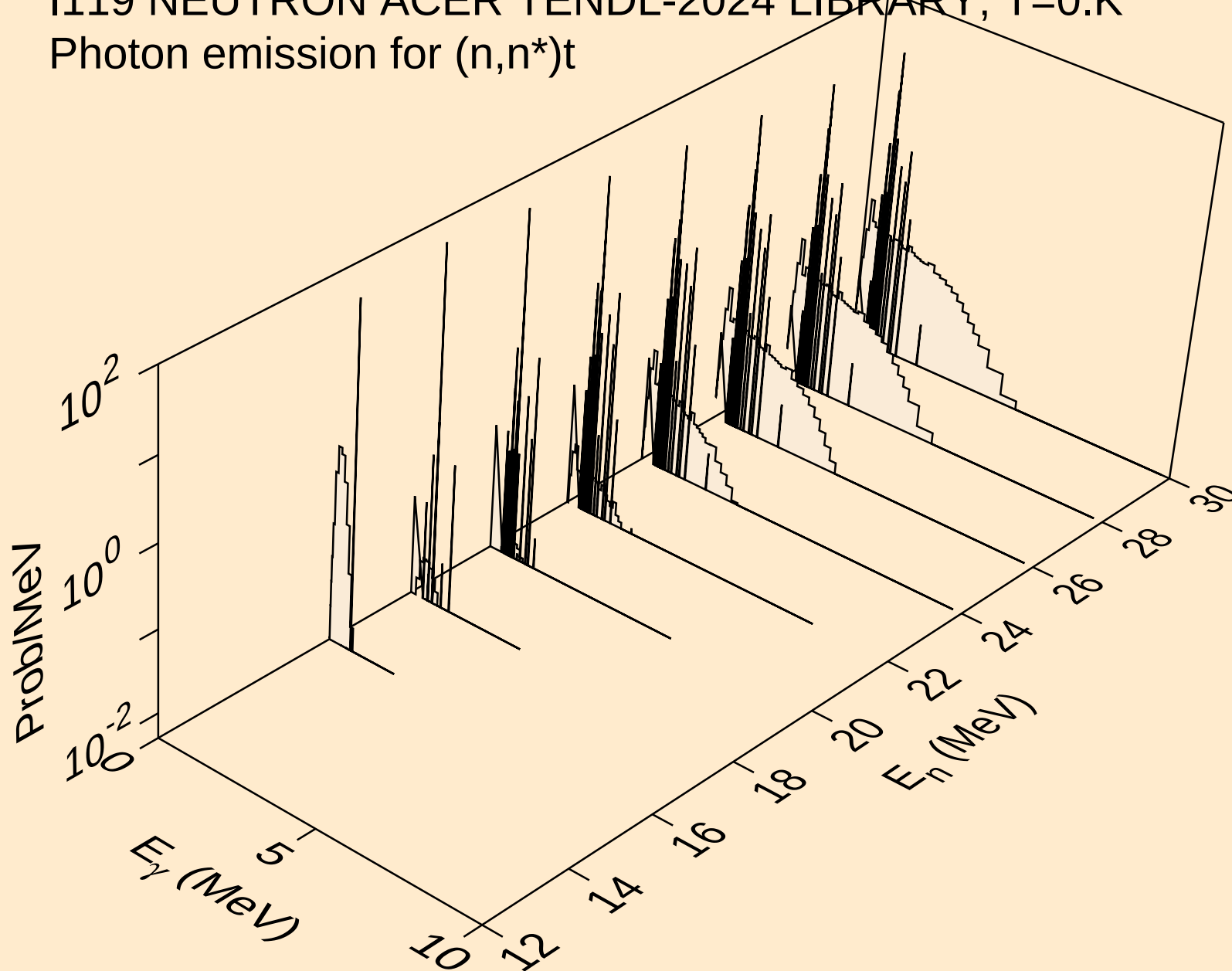
# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d

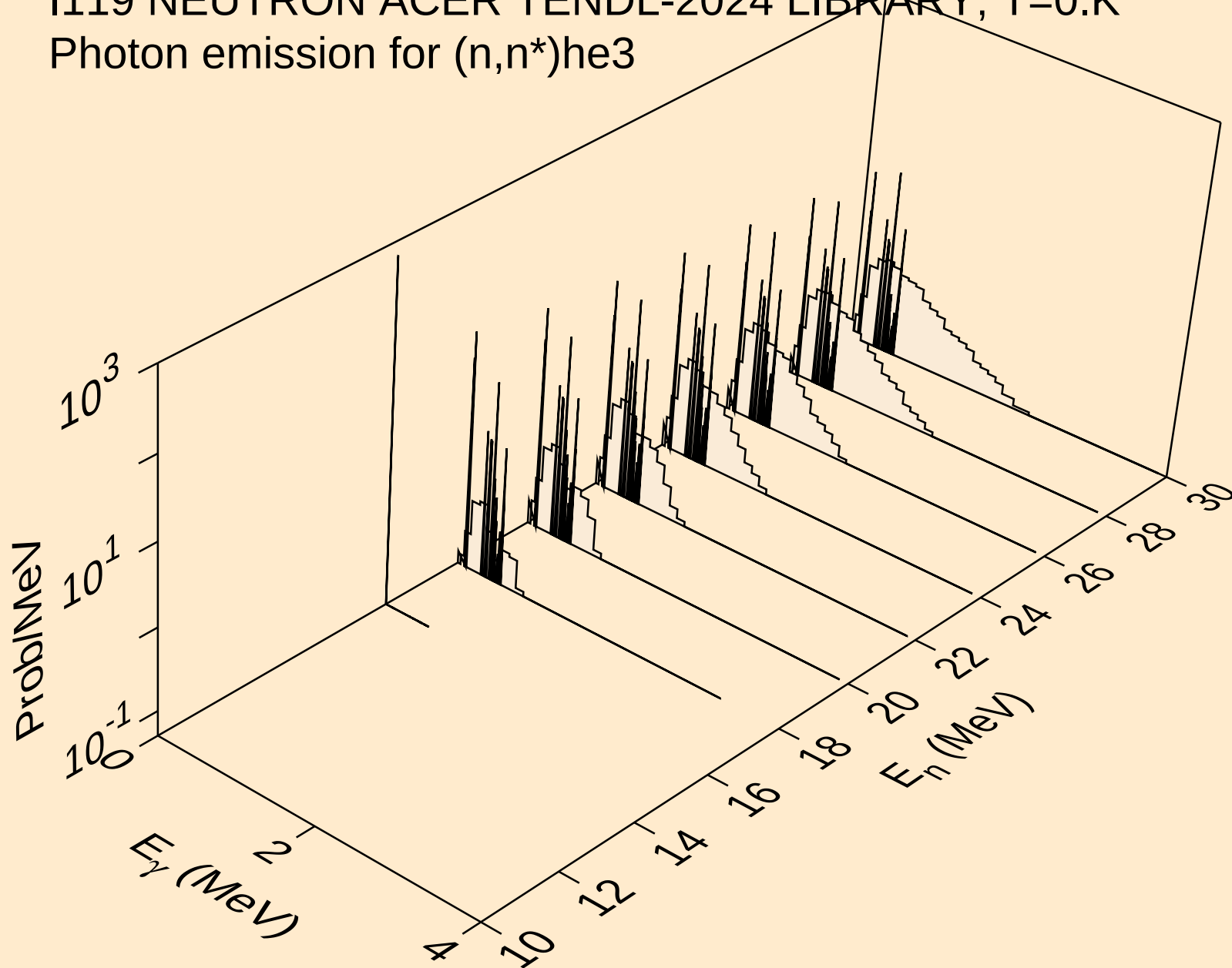


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

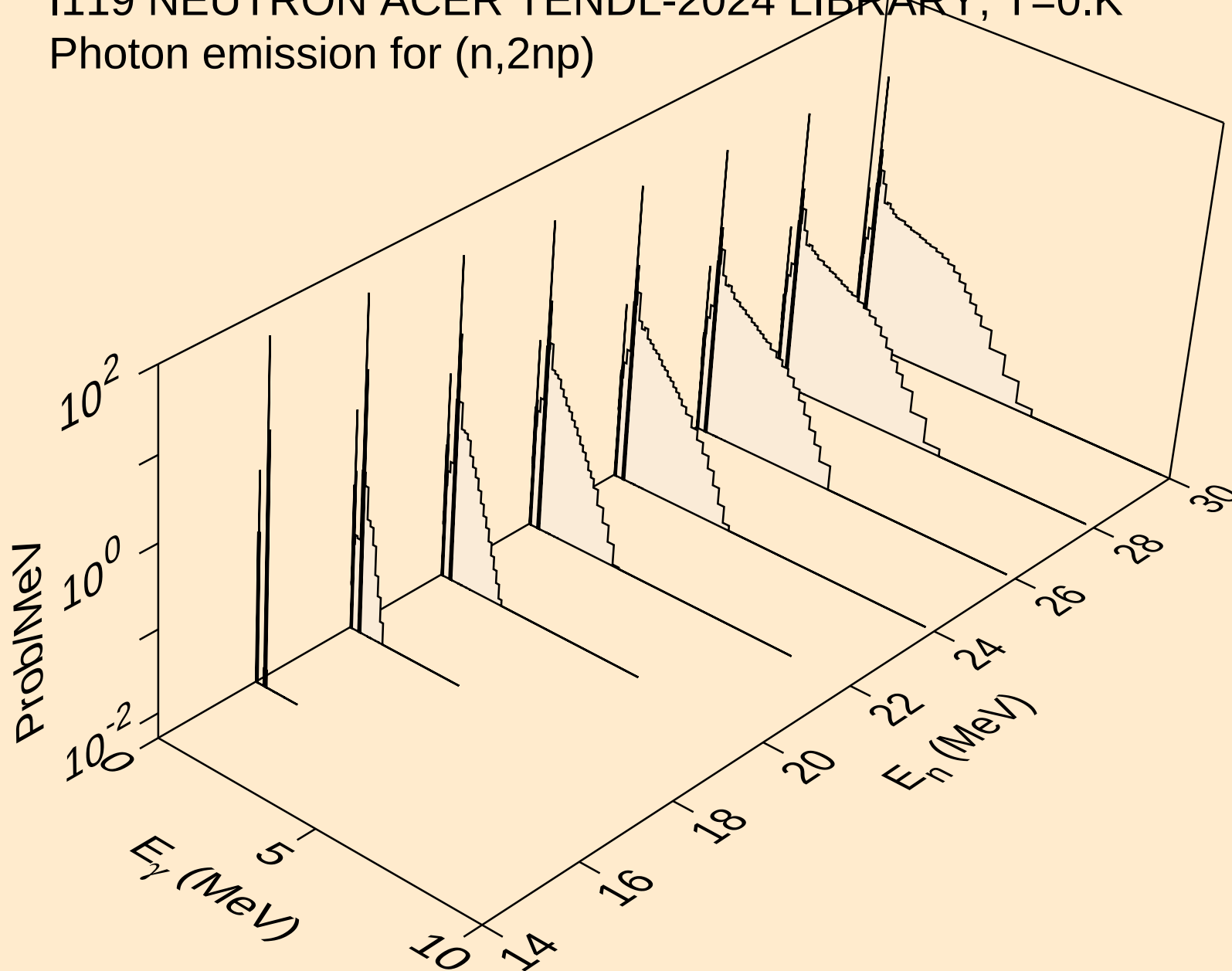
Photon emission for (n,n\*)t



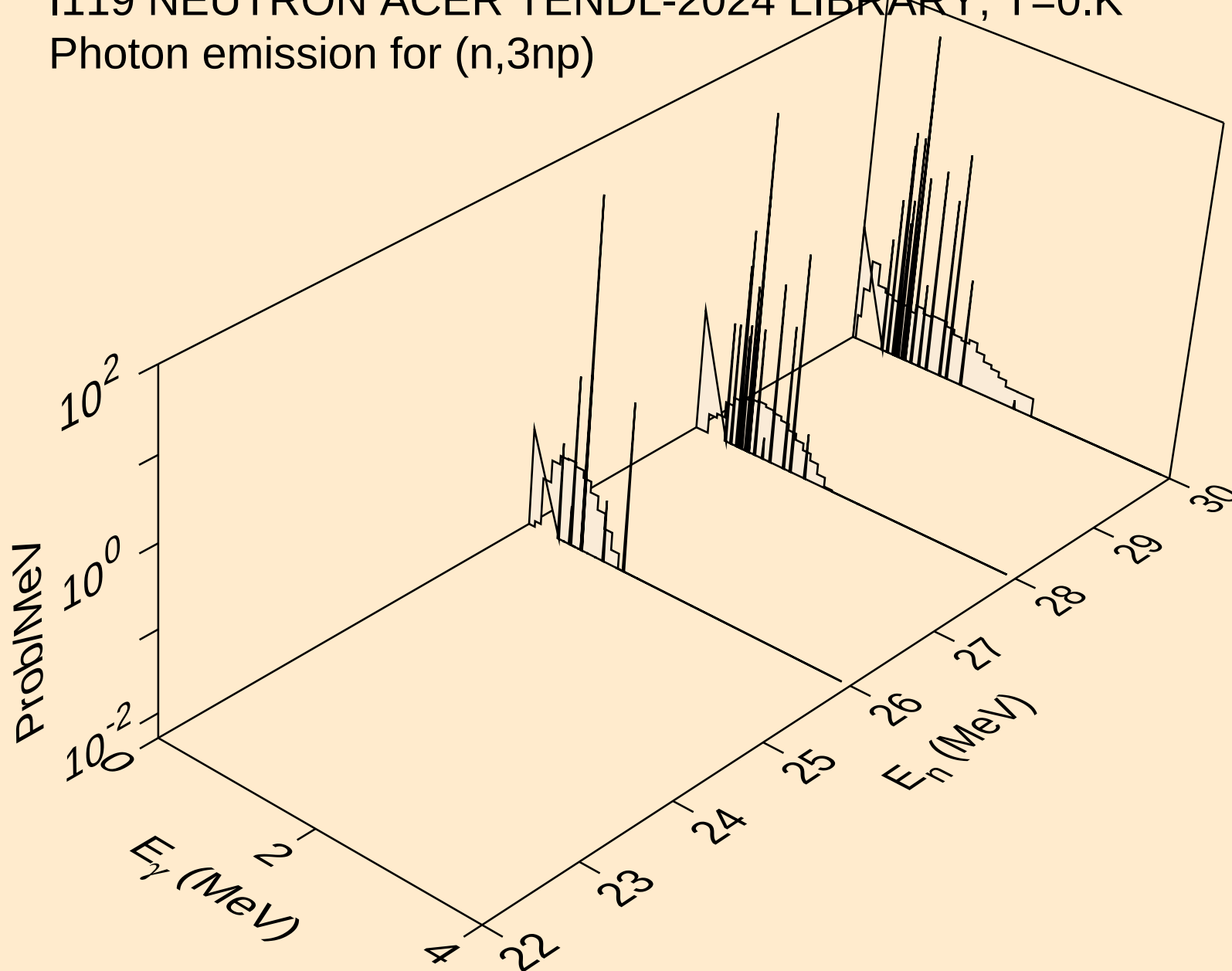
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



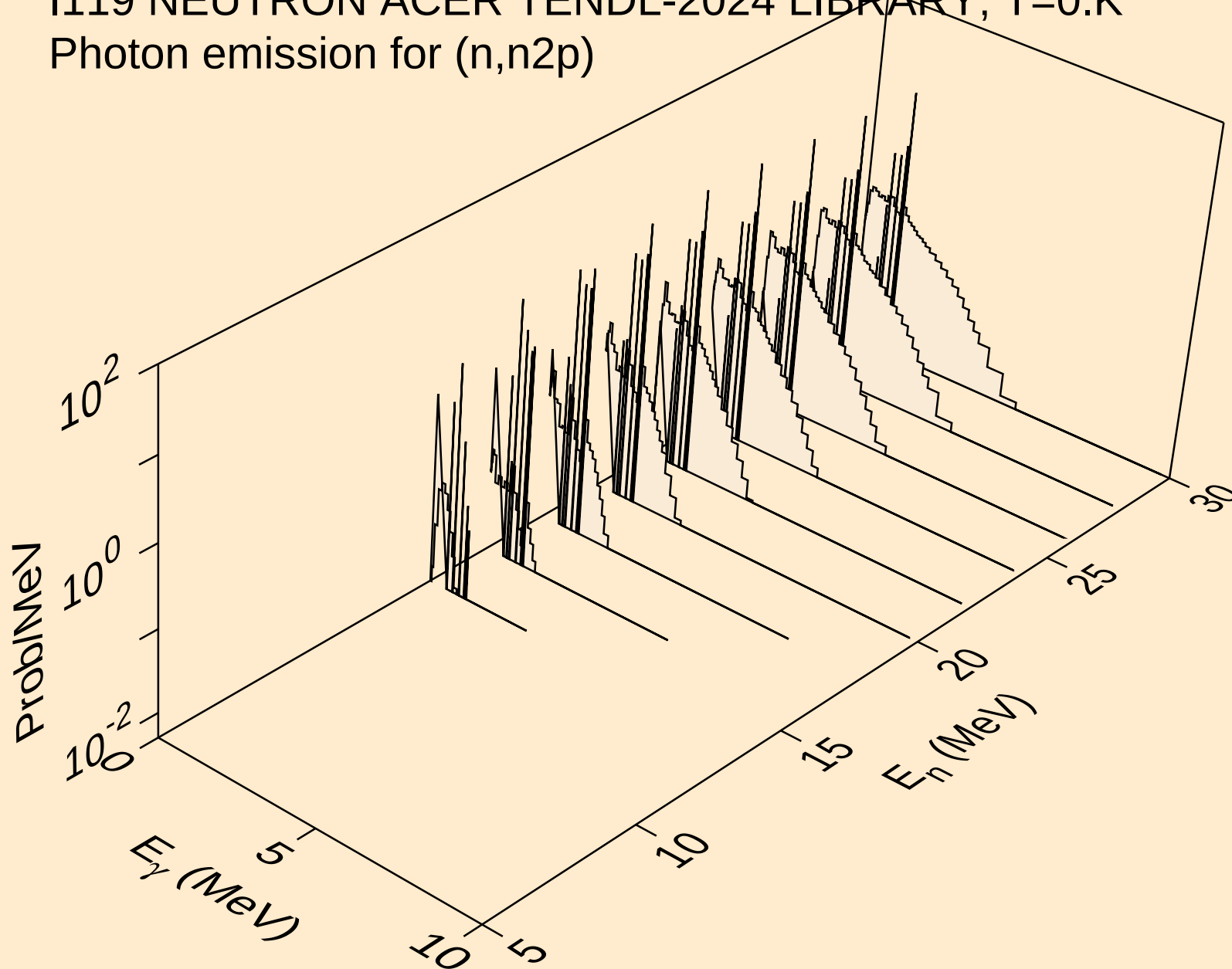
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Photon emission for (n,2np)



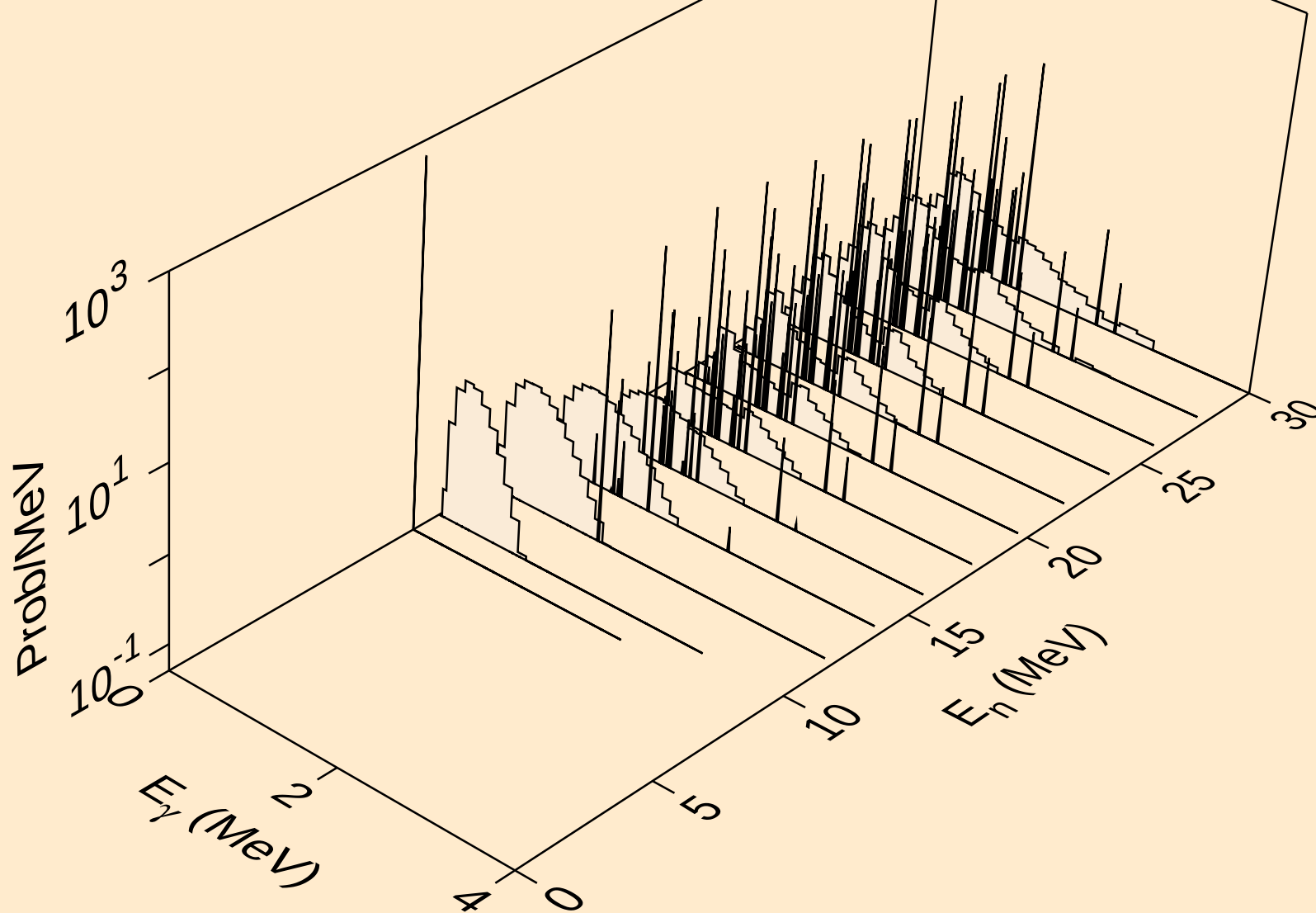
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Photon emission for (n,3np)



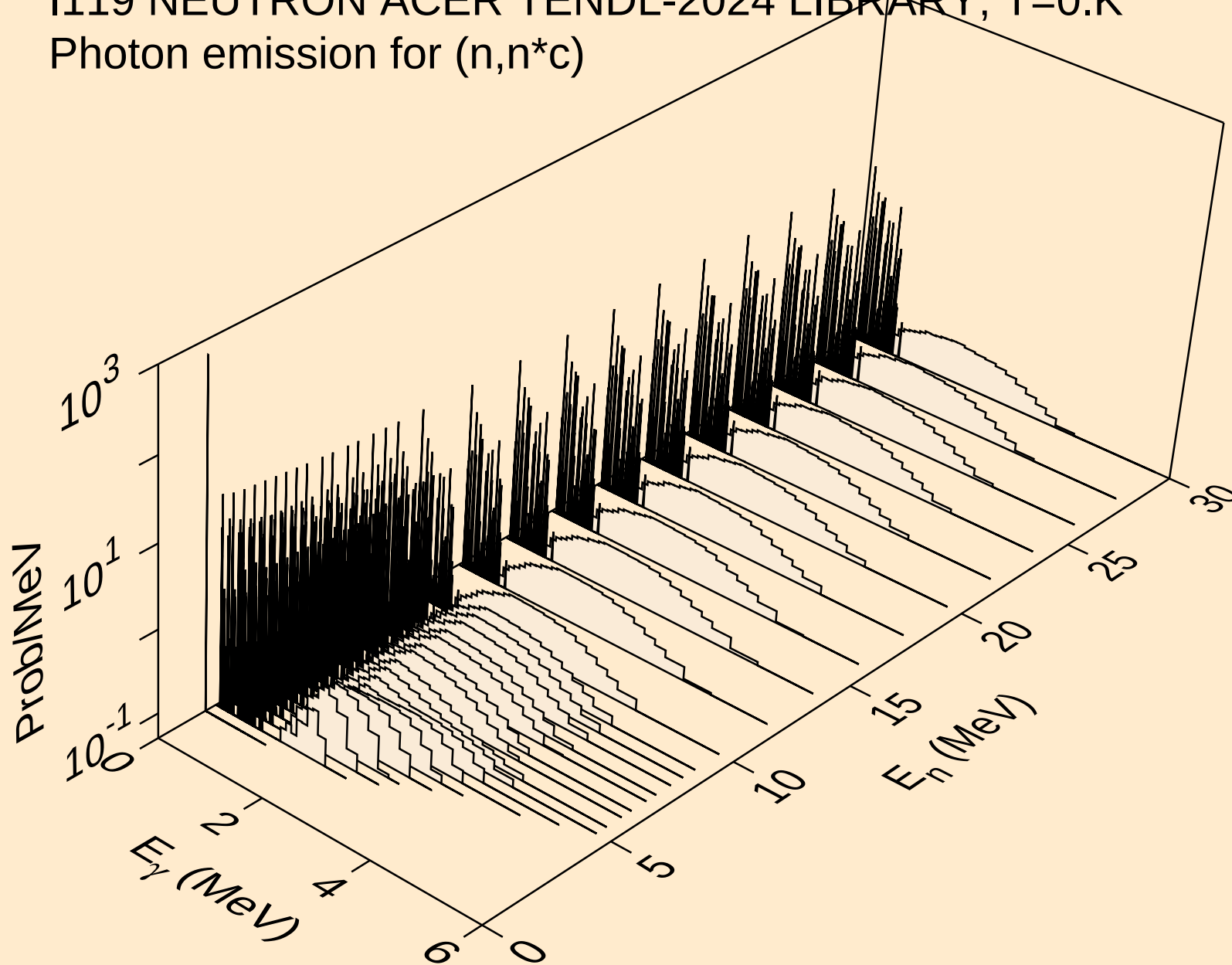
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Photon emission for (n,n2p)



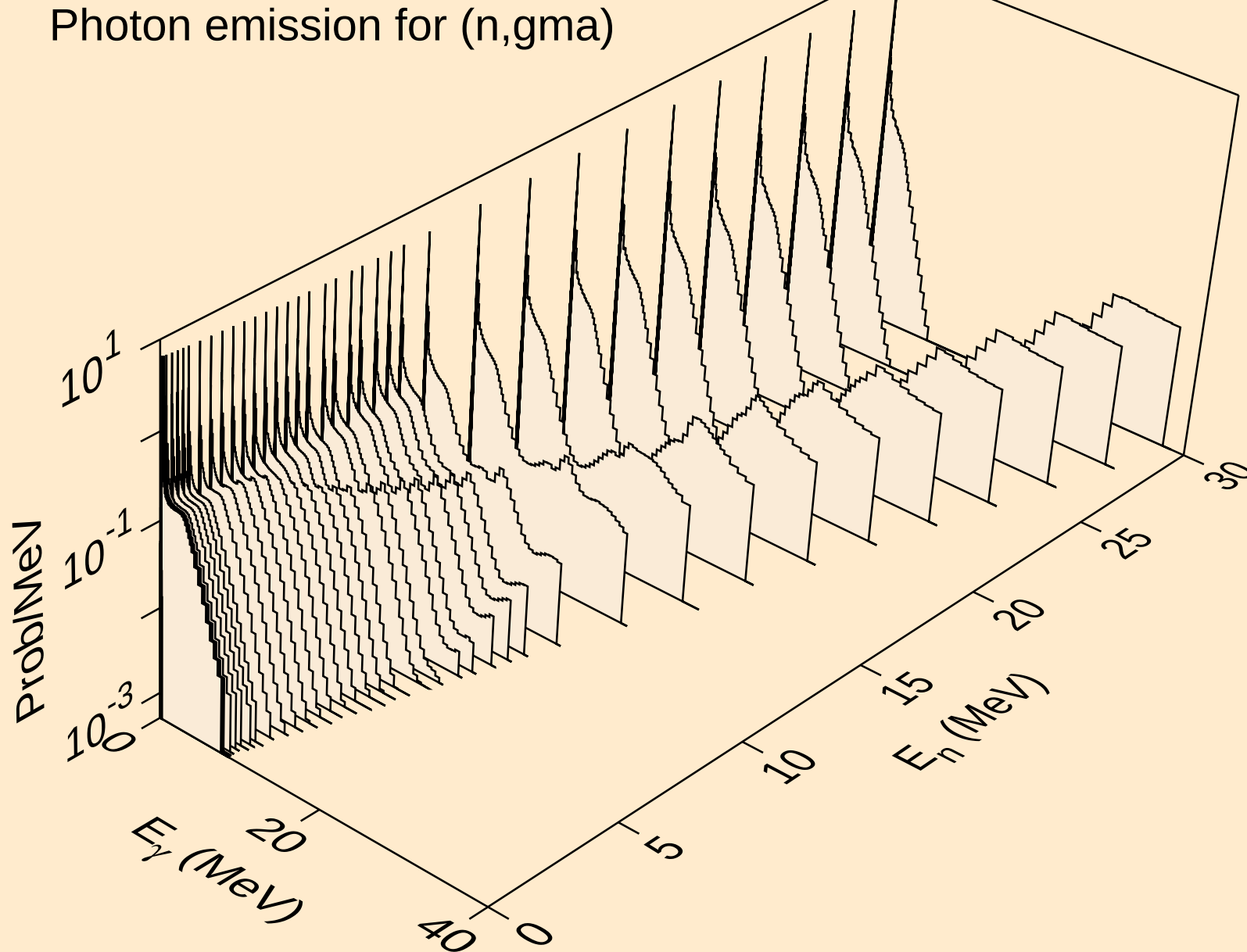
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Photon emission for (n,npa)



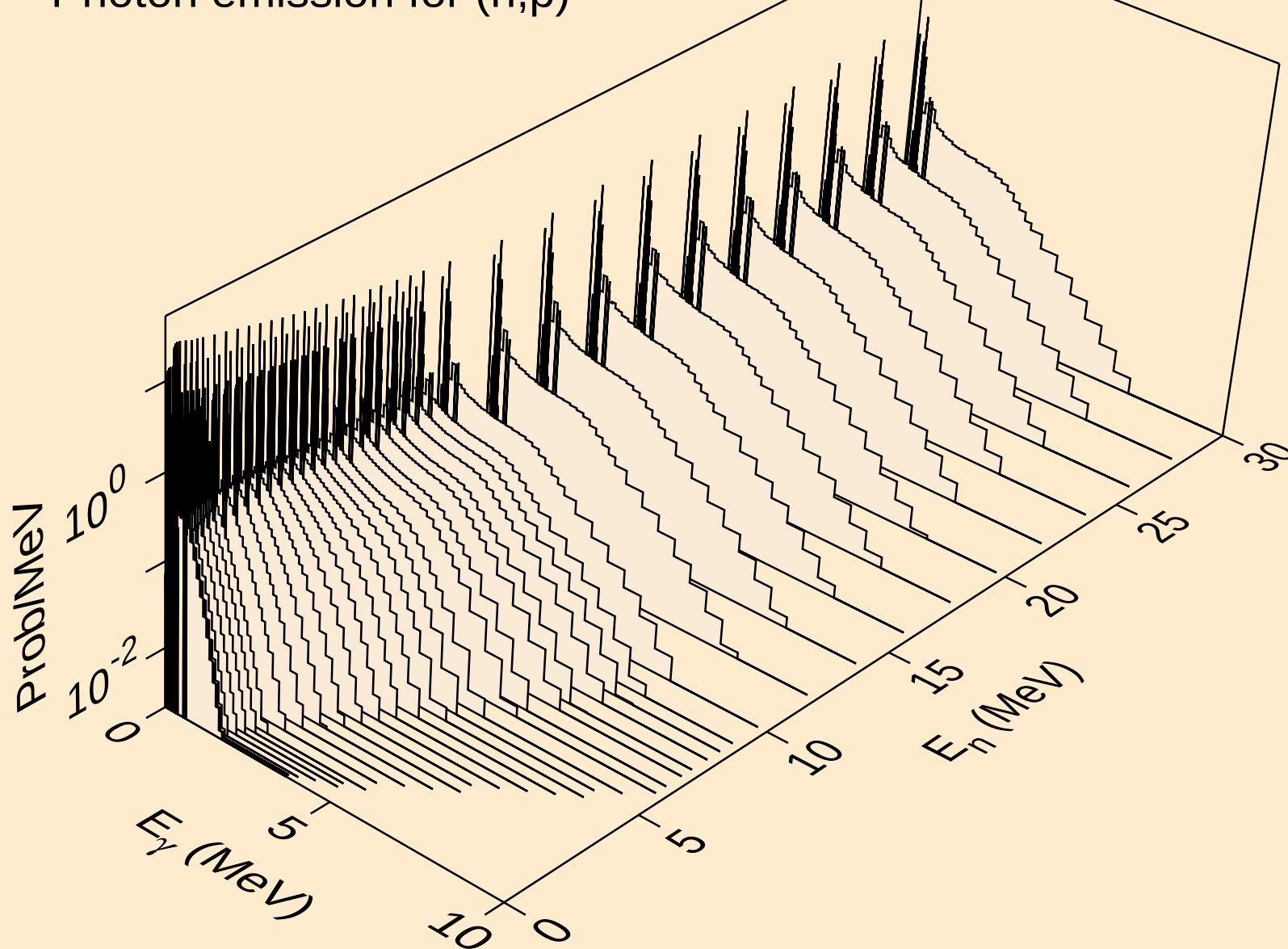
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Photon emission for (n,n\*c)



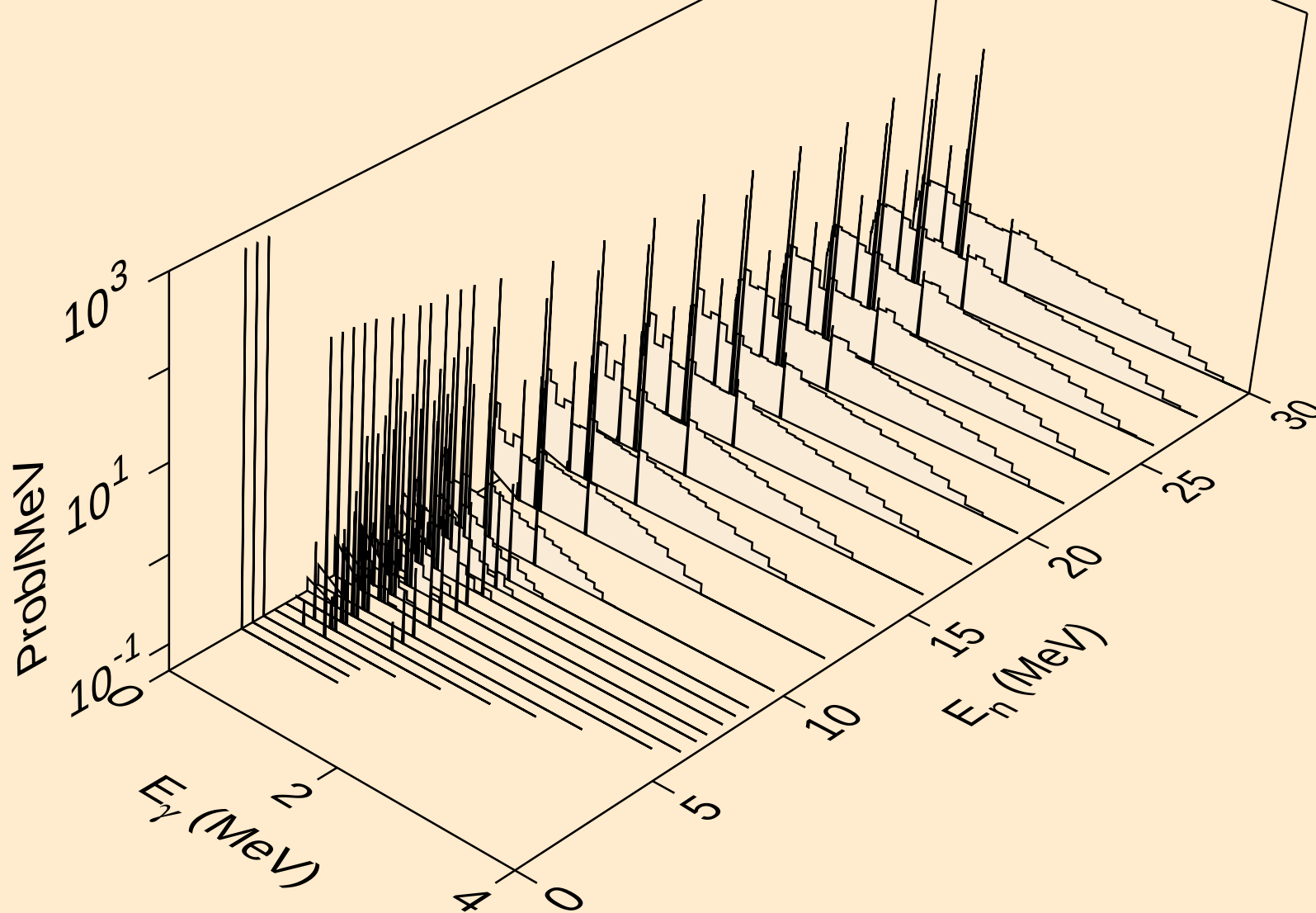
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Photon emission for (n,gma)



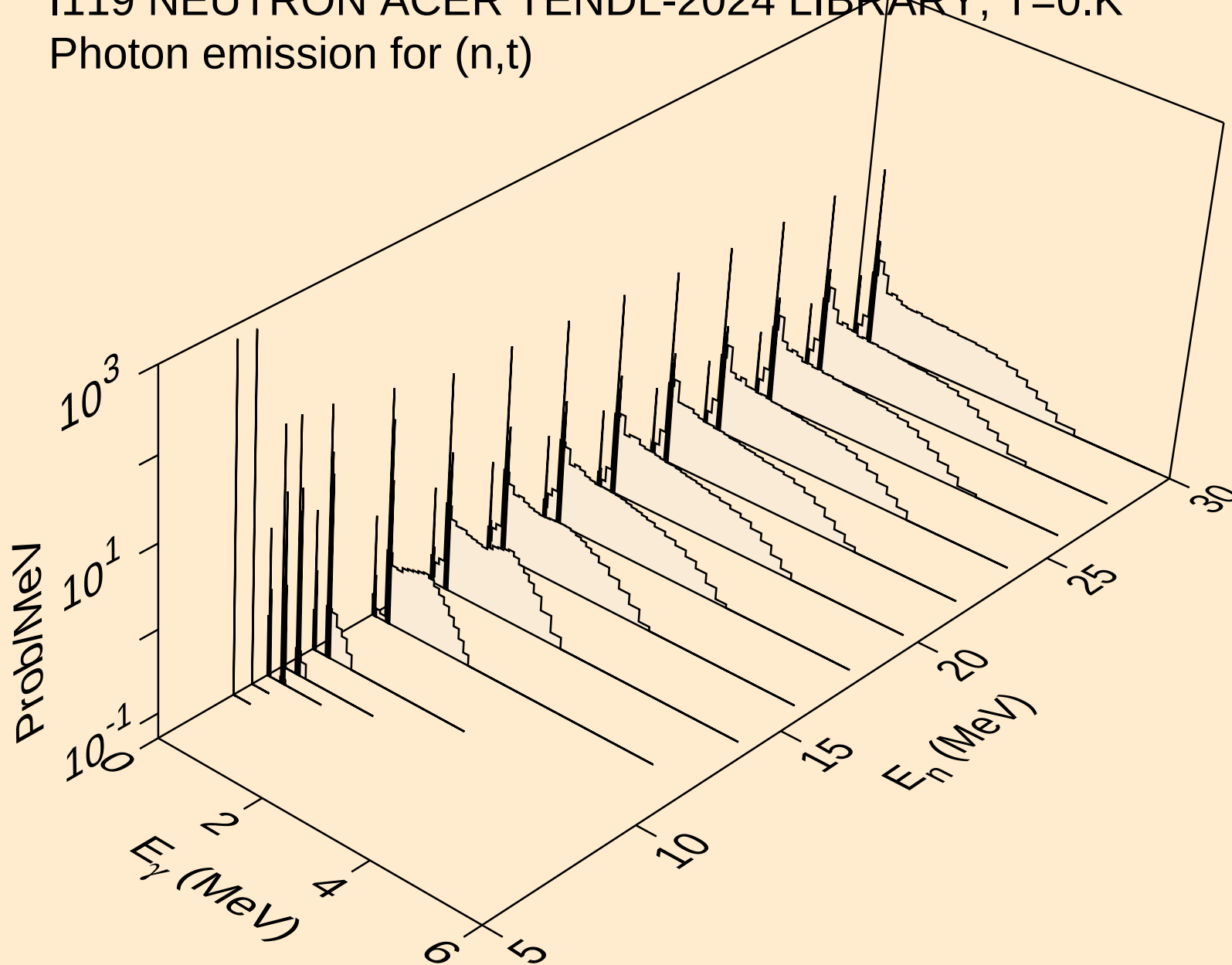
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



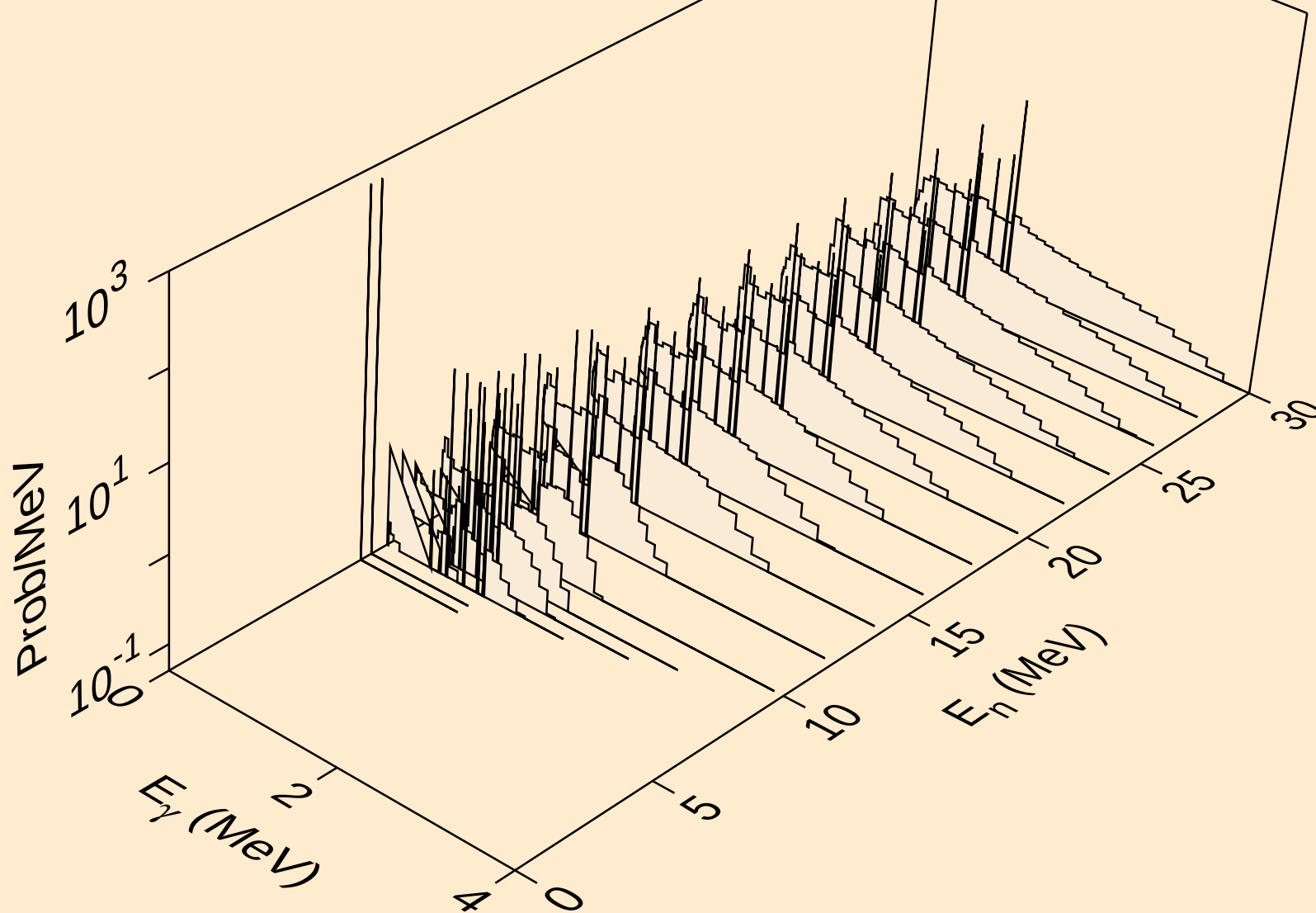
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



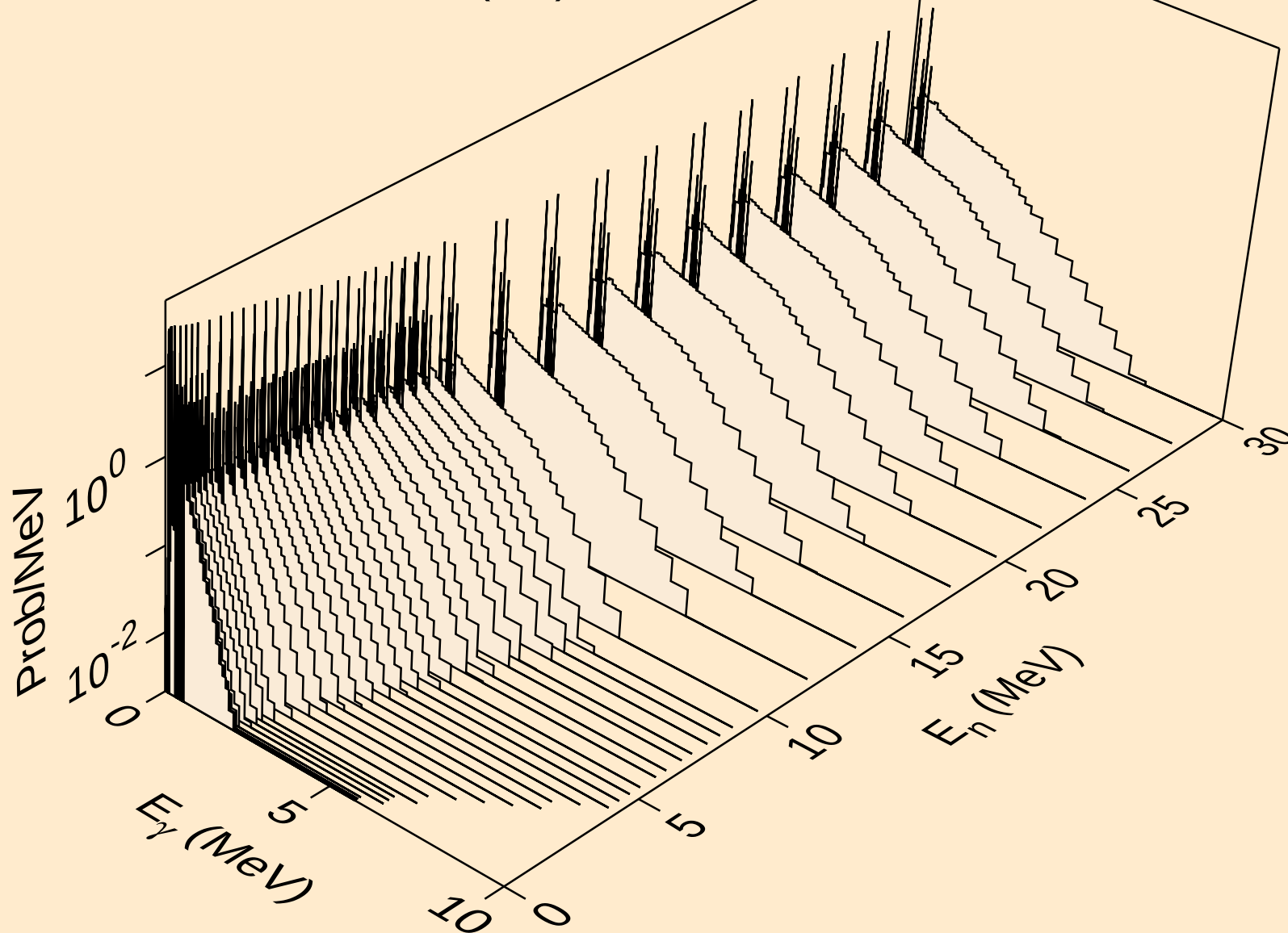
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Photon emission for (n,t)



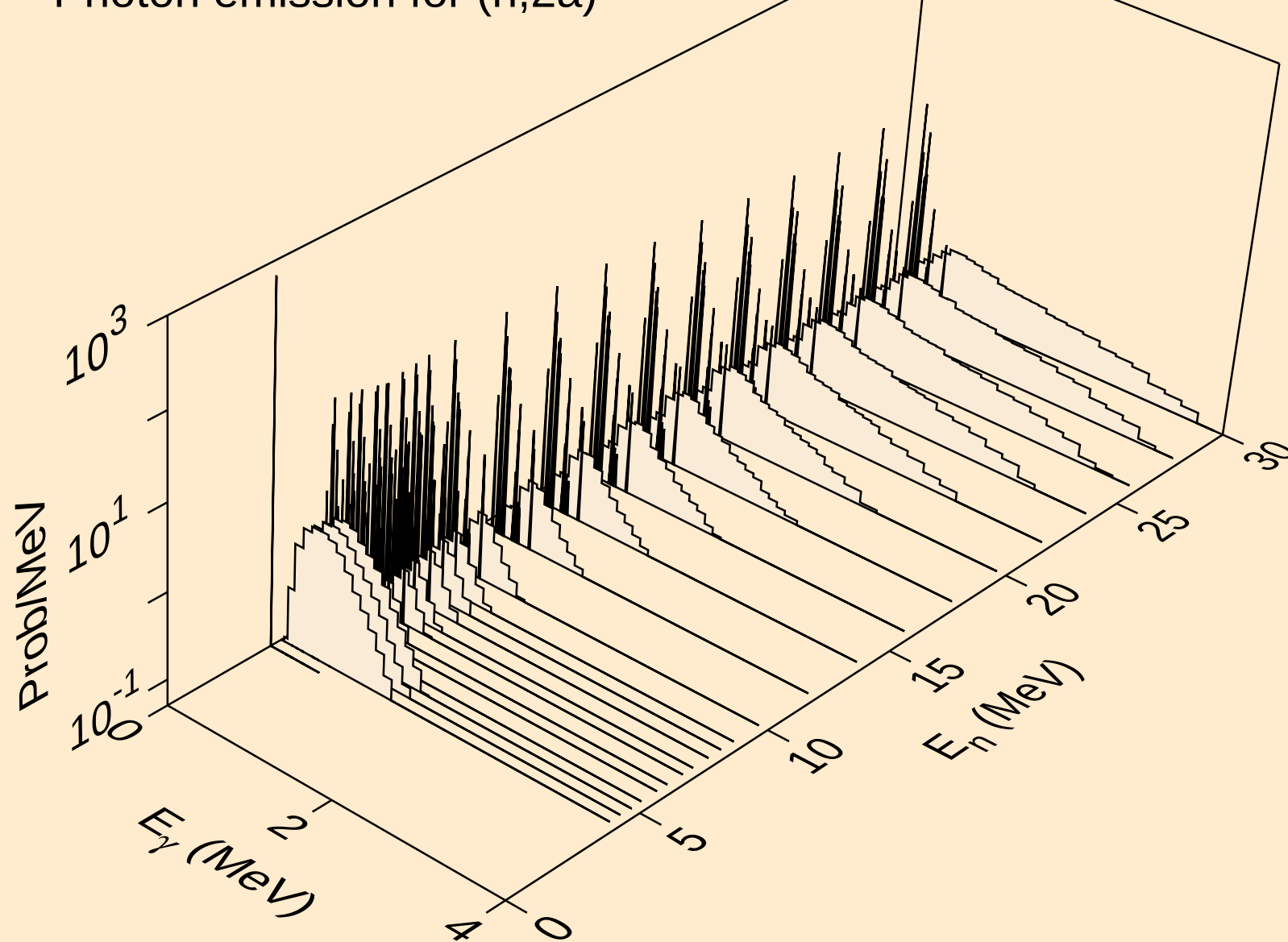
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Photon emission for (n,he3)



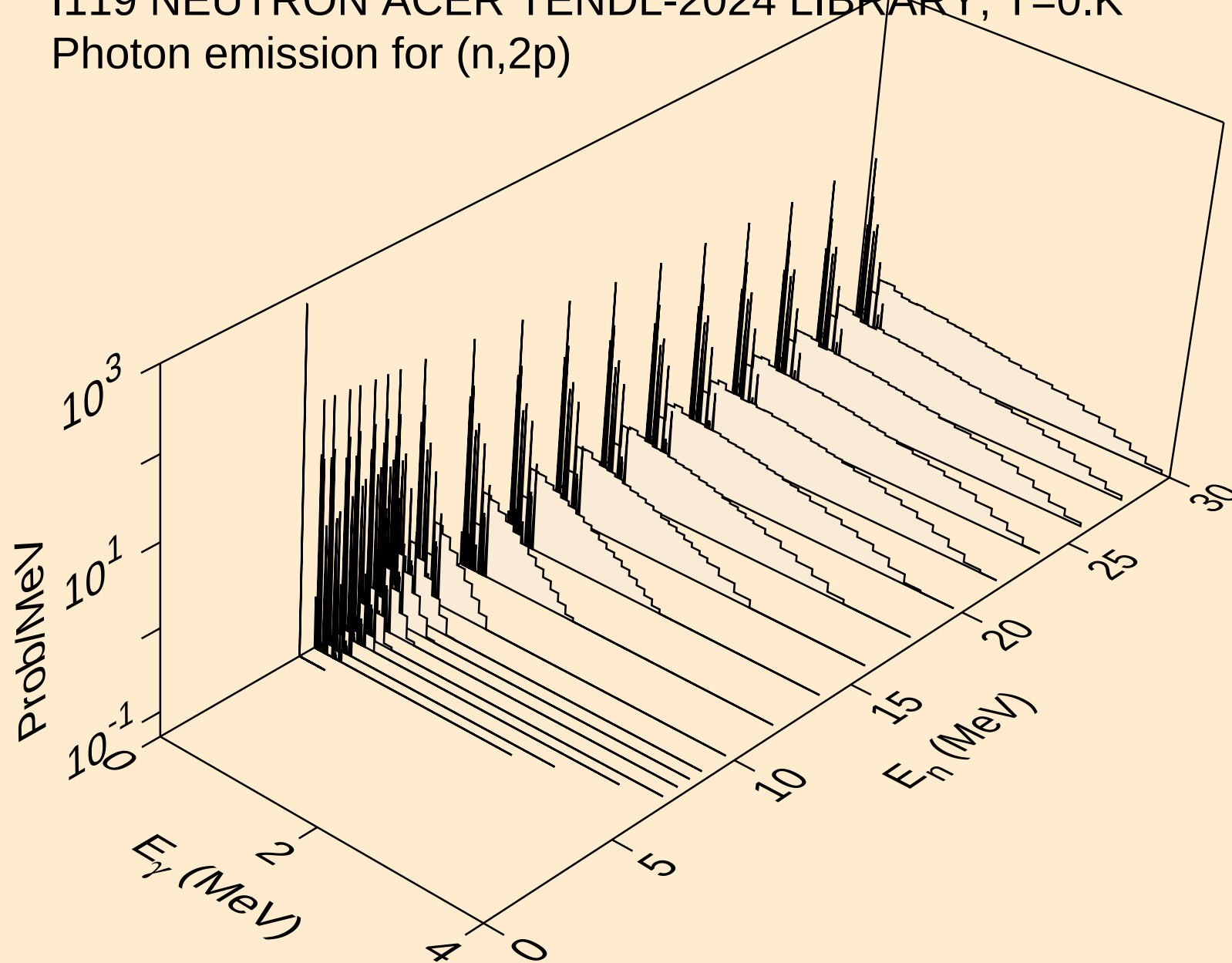
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Photon emission for (n,a)



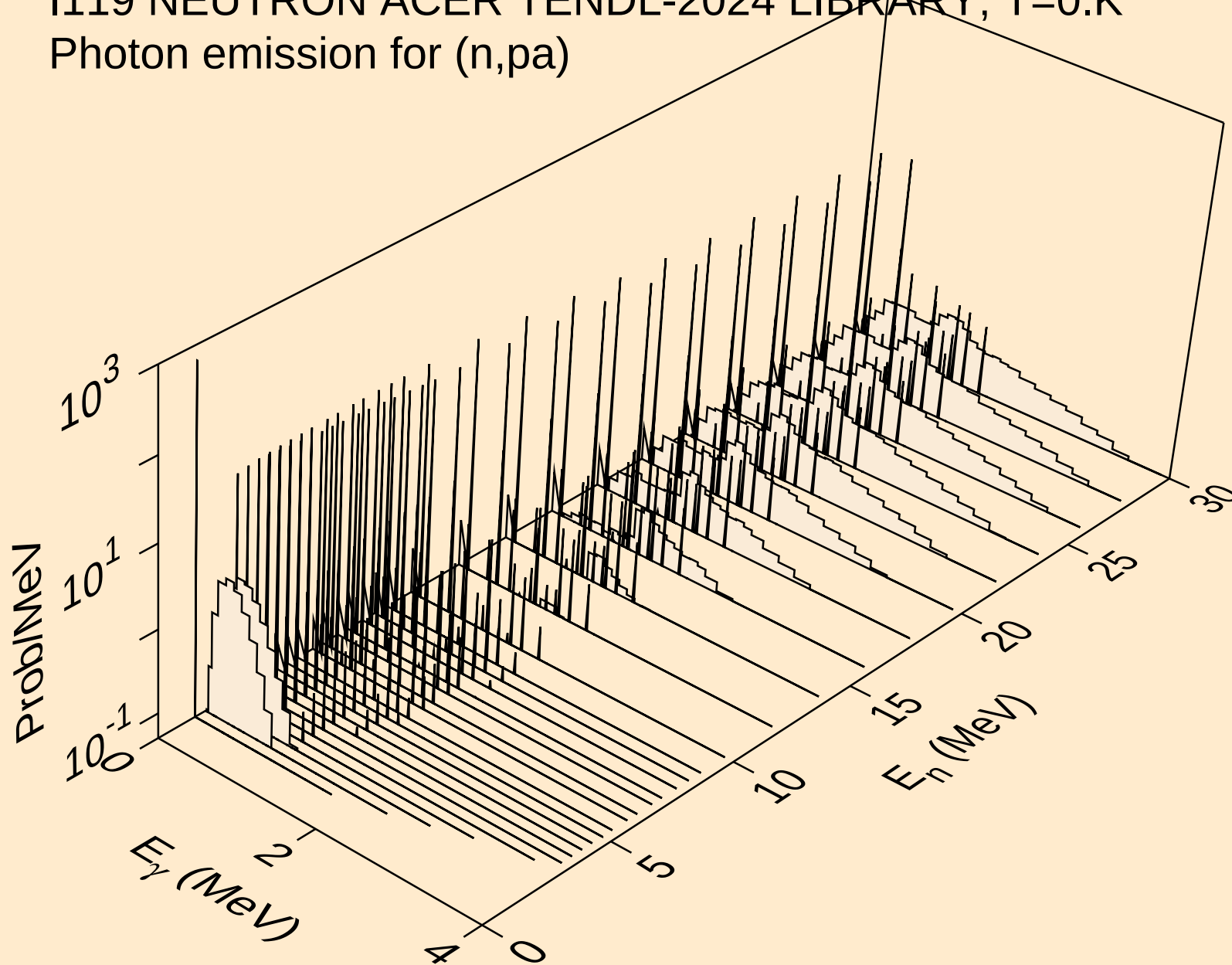
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Photon emission for (n,2a)



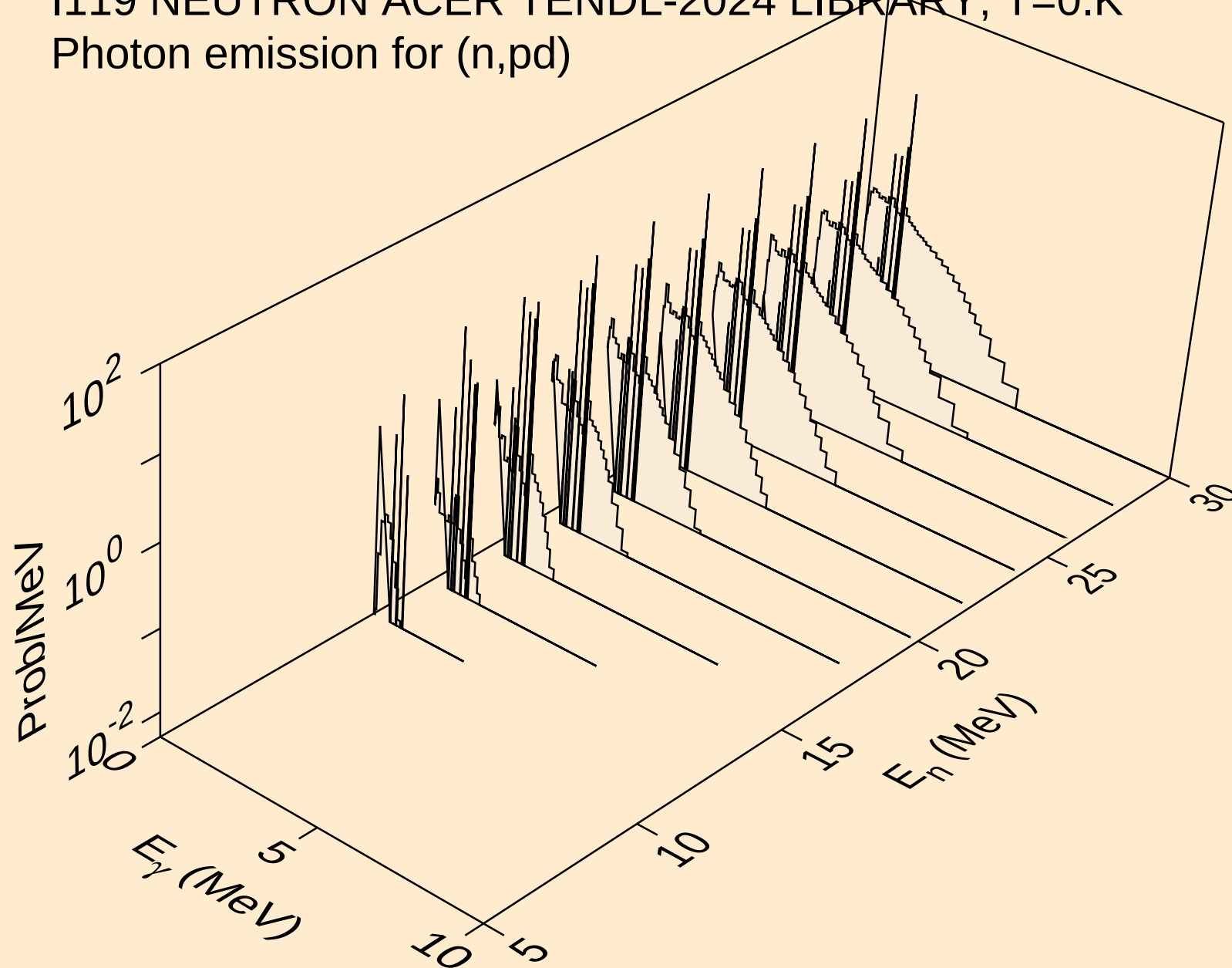
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Photon emission for (n,2p)



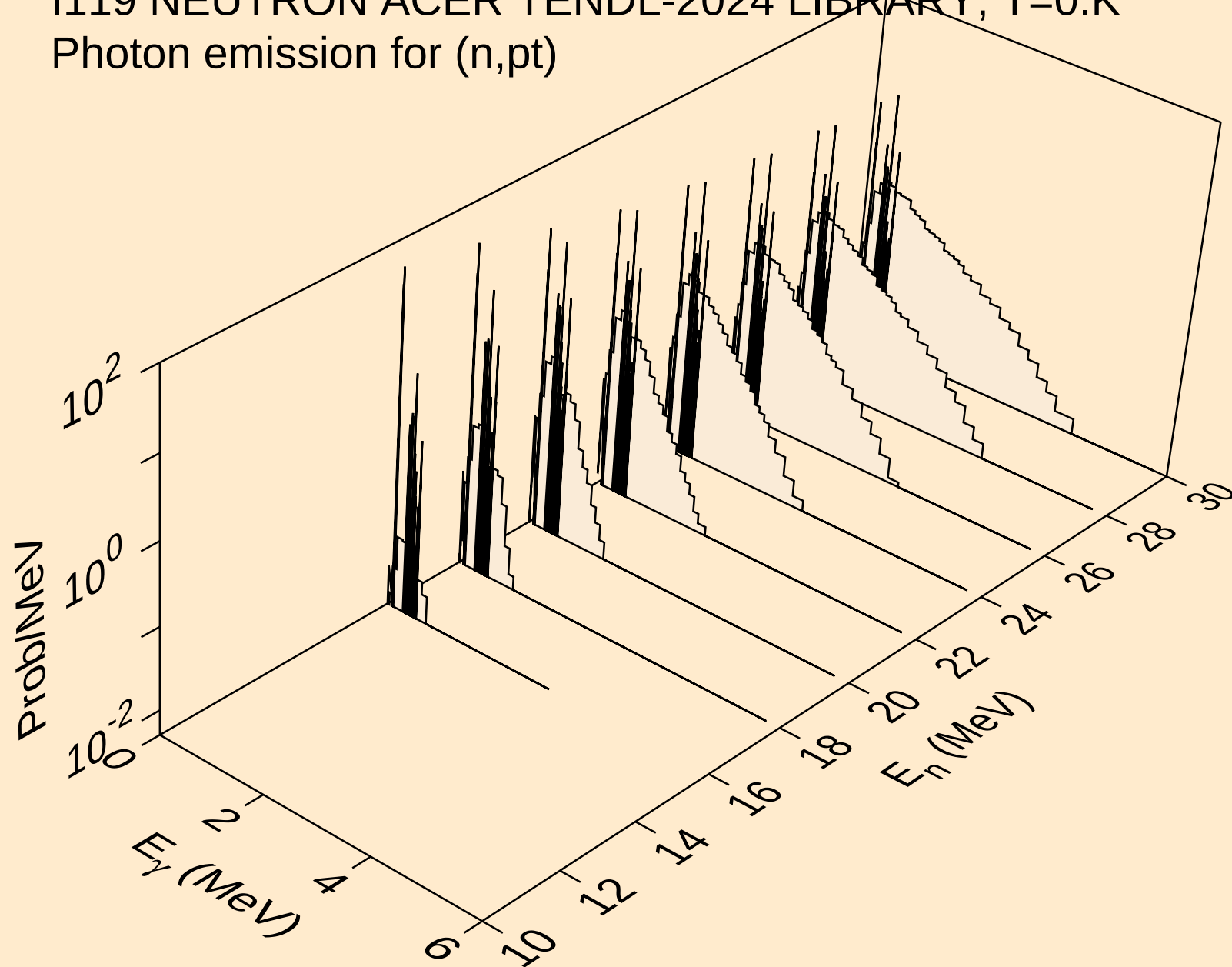
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Photon emission for (n,p $\alpha$ )



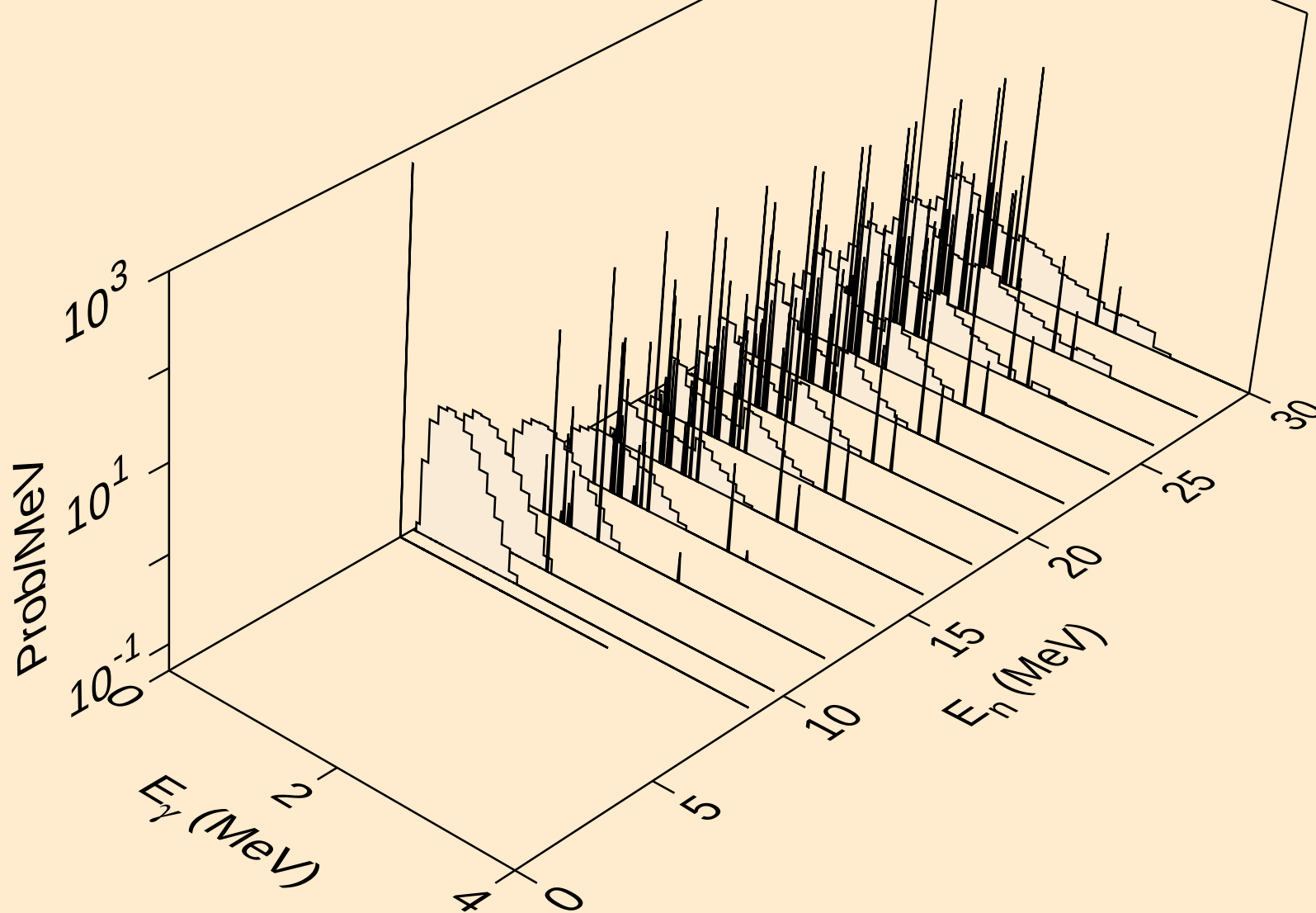
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



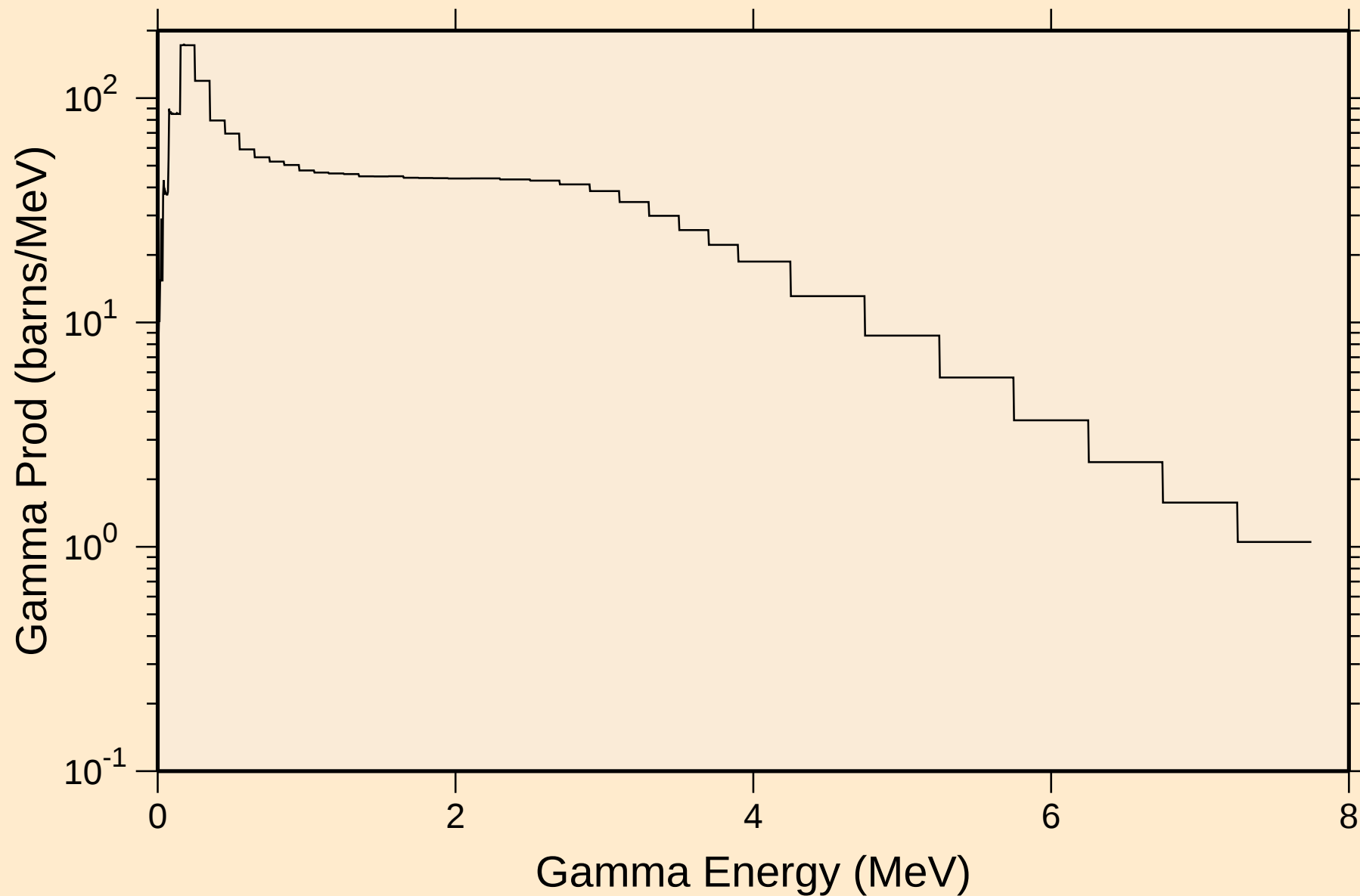
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Photon emission for (n,pt)



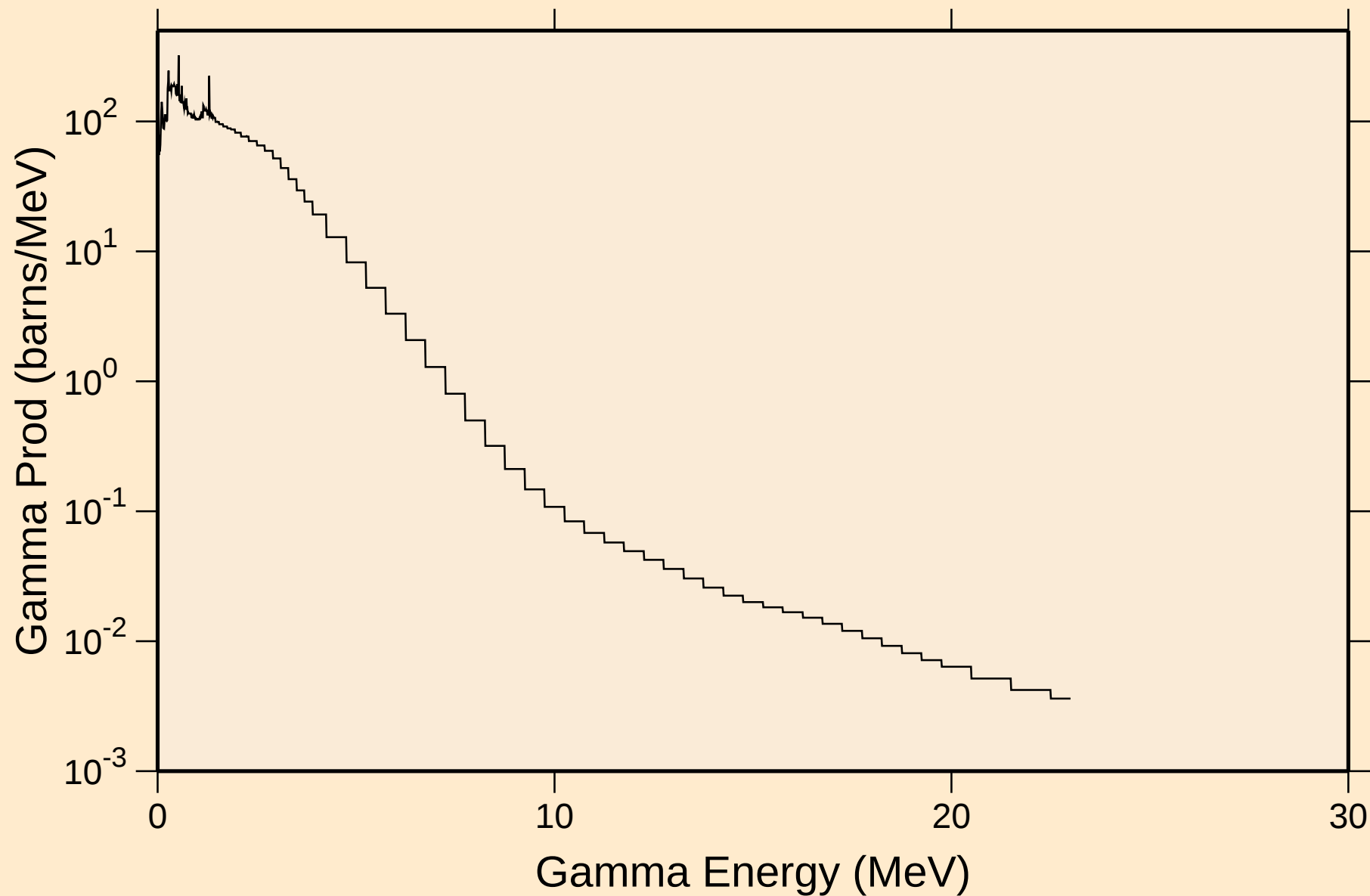
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

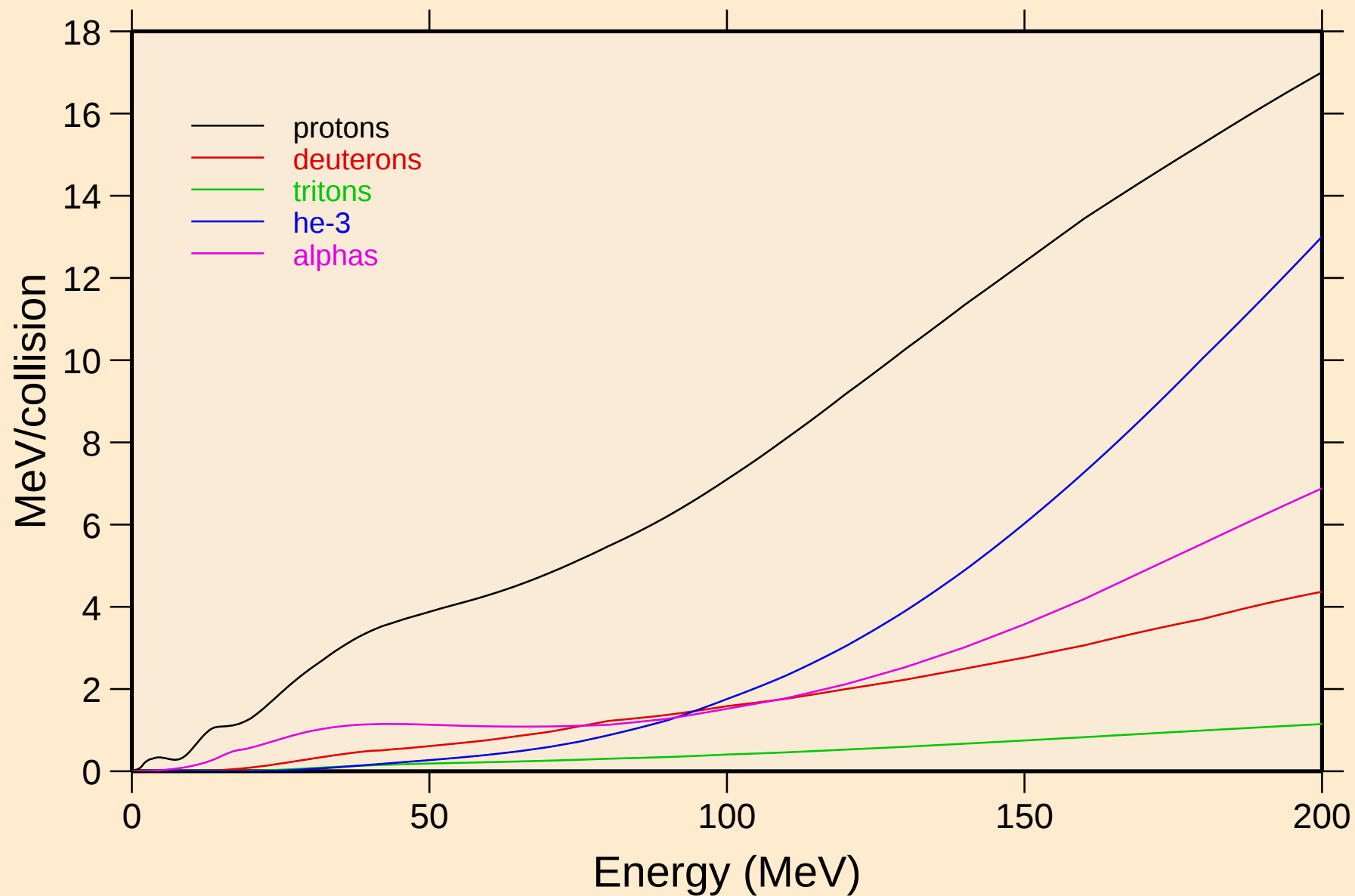


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum

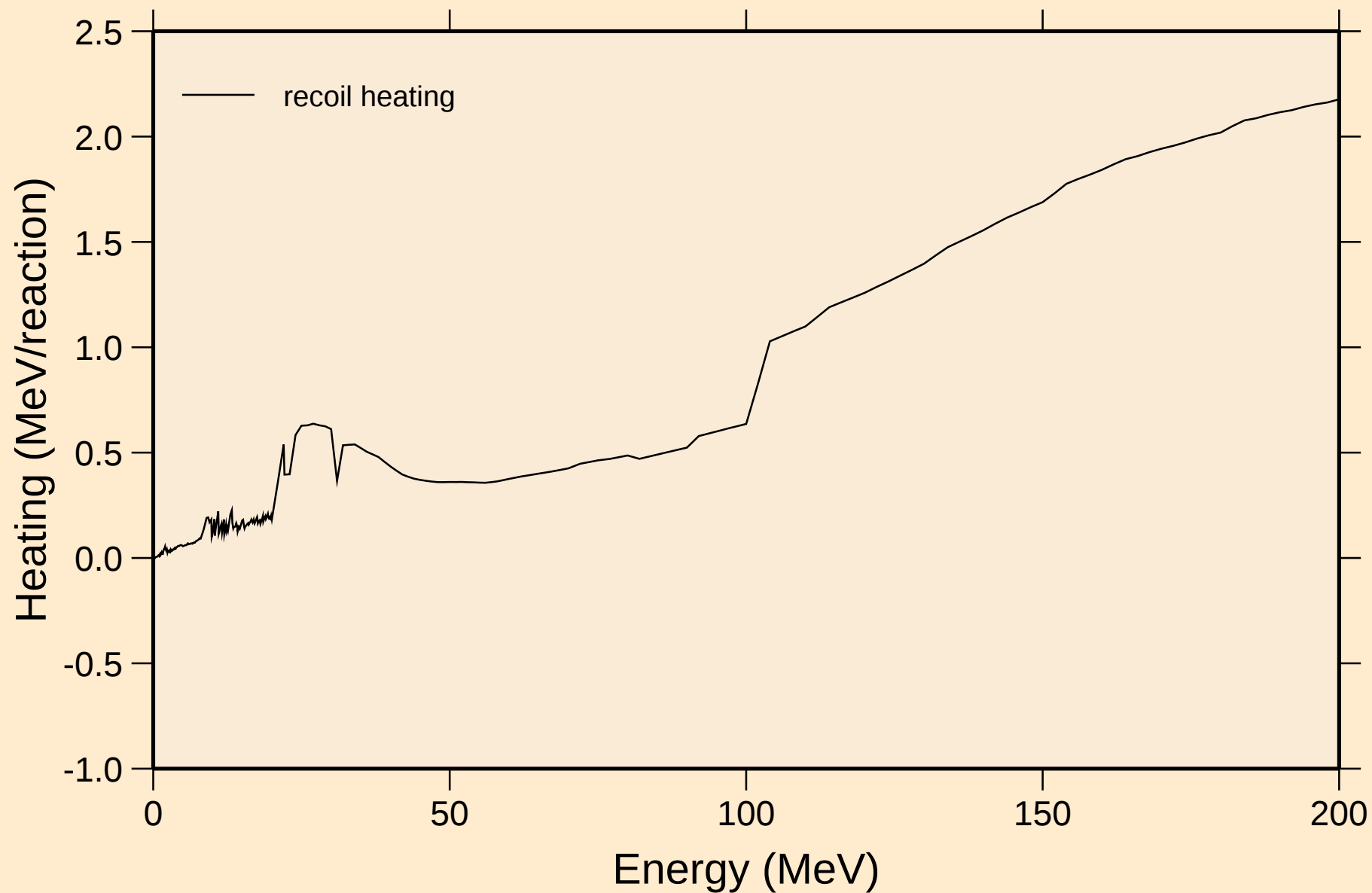


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

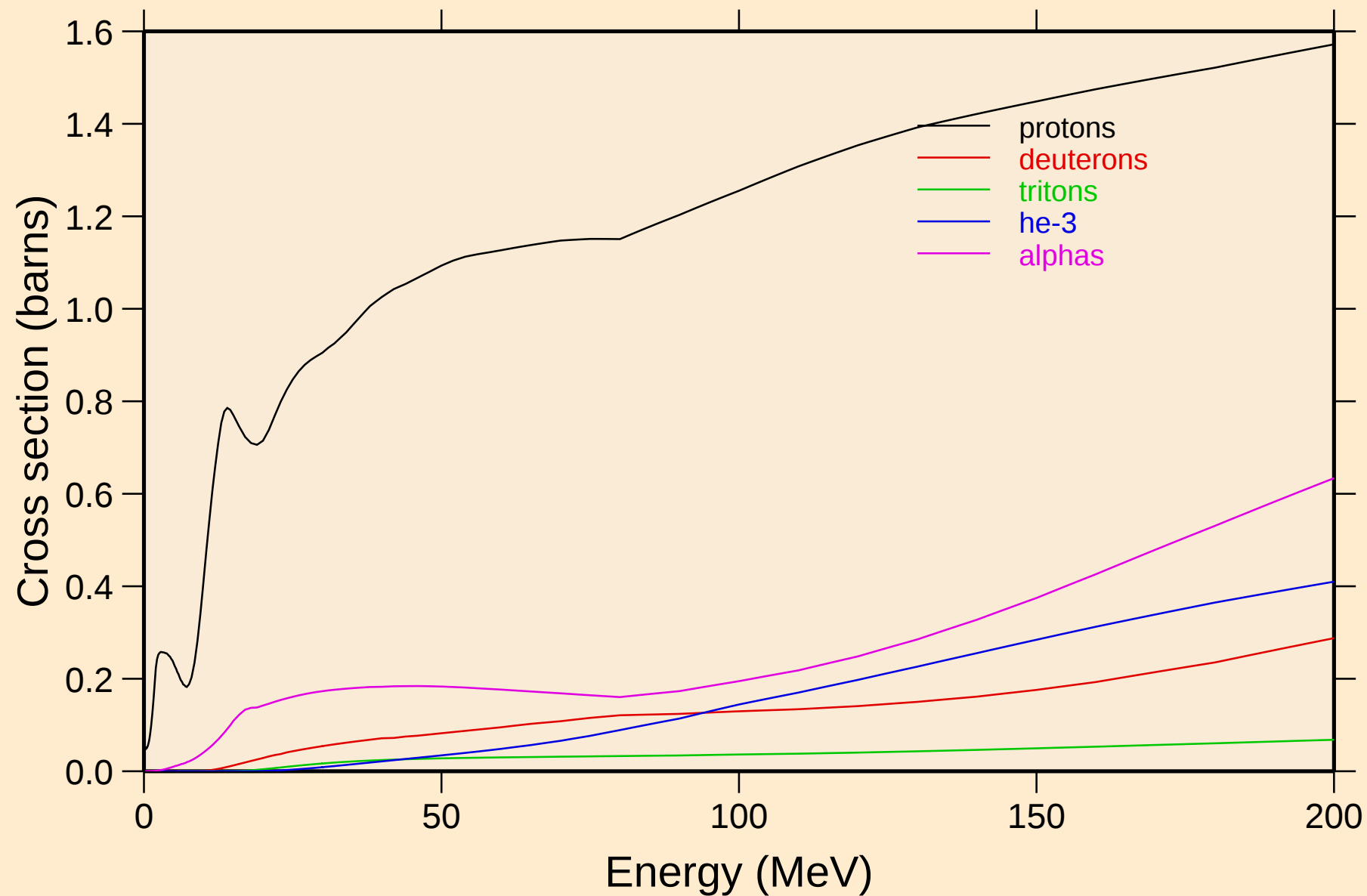


I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

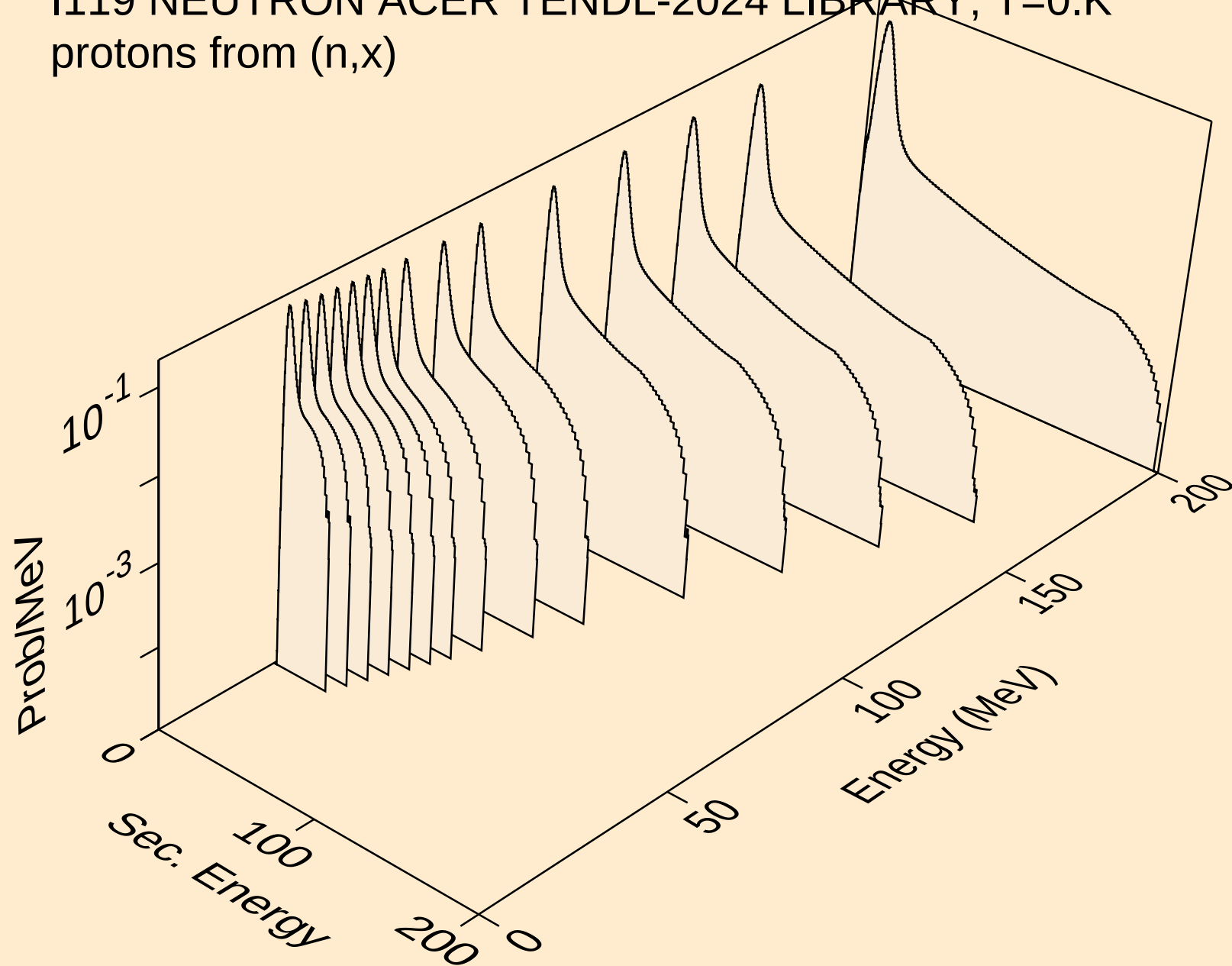


# I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

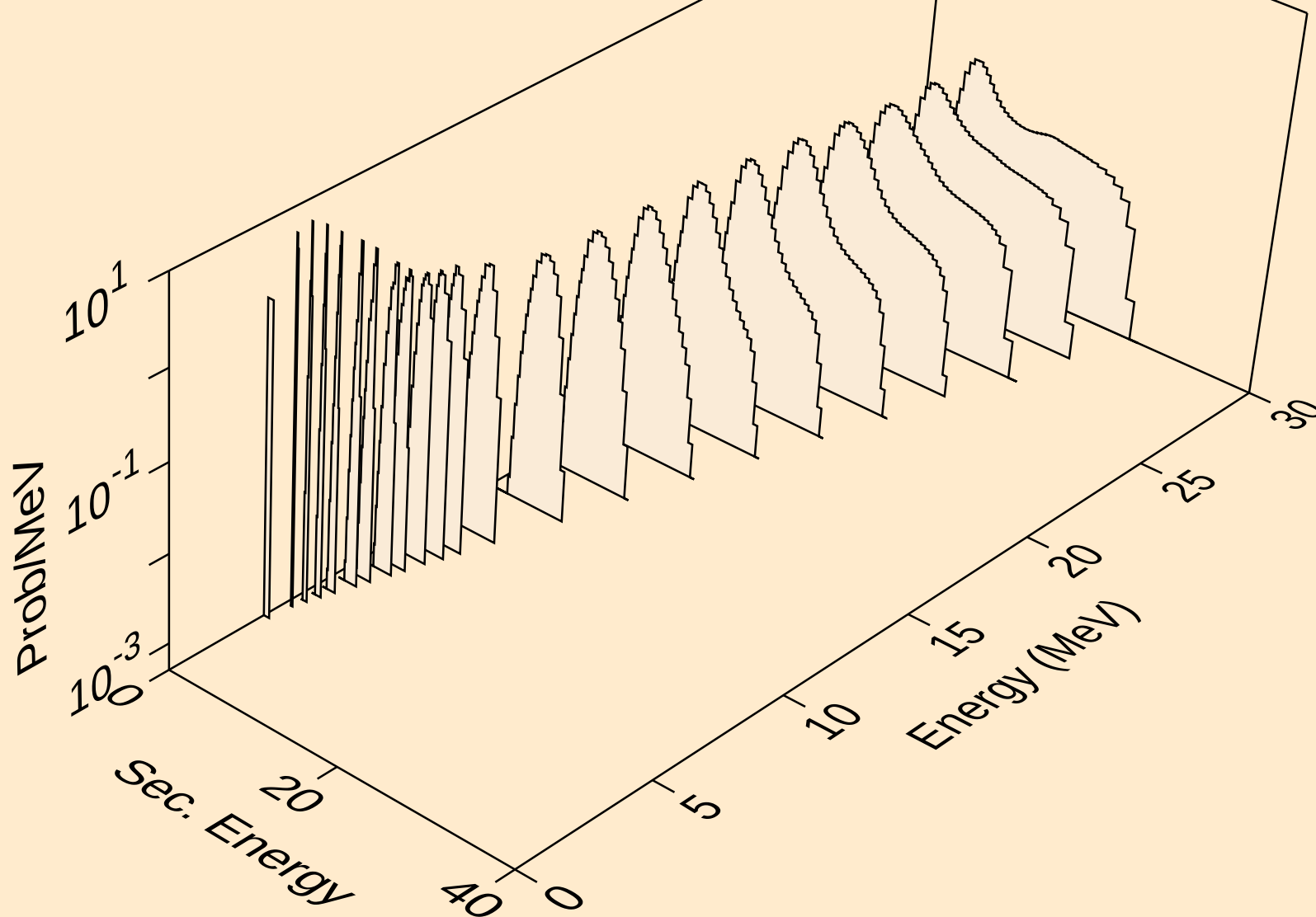
## Particle production cross sections



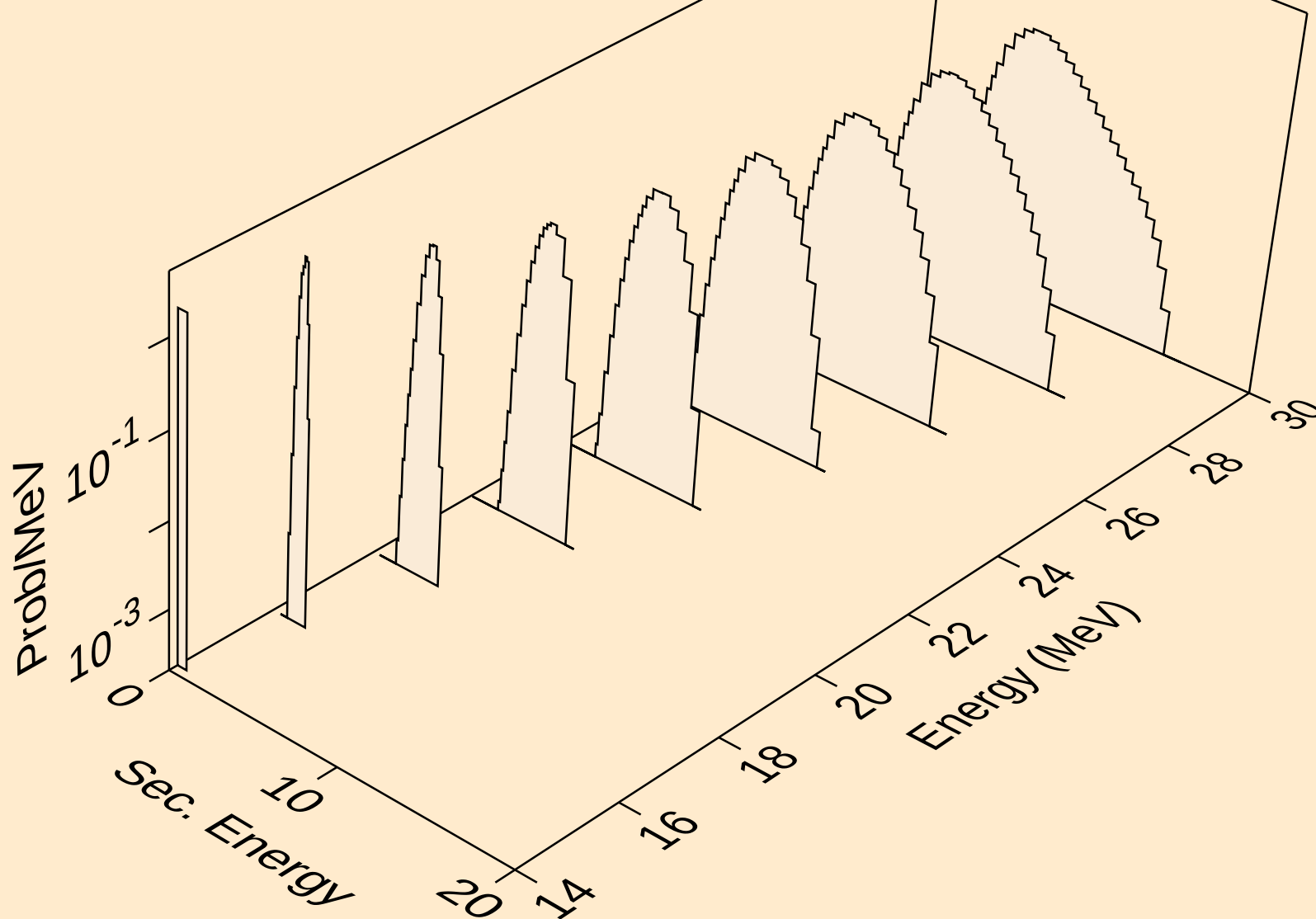
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



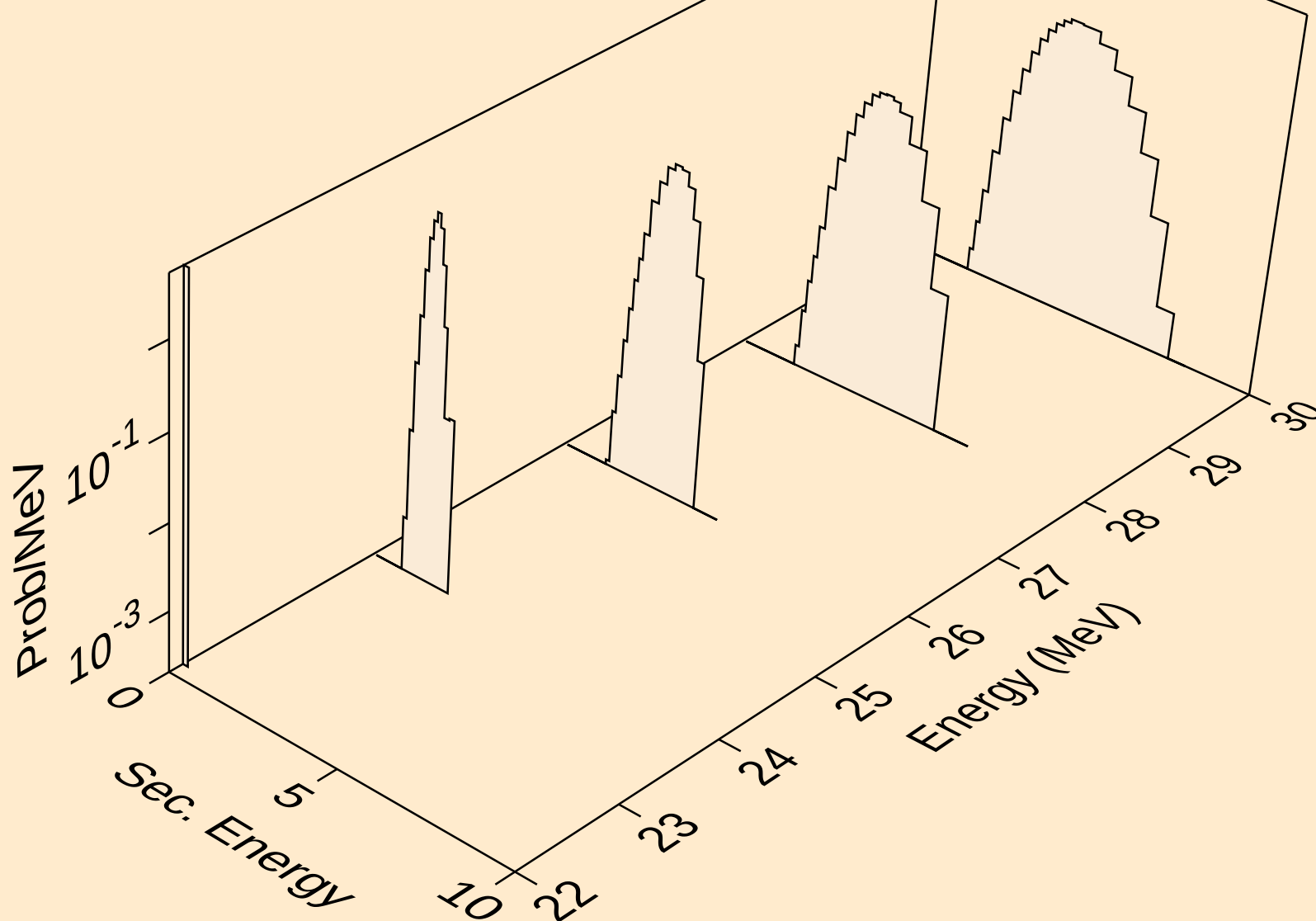
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protons from (n,n\*)p



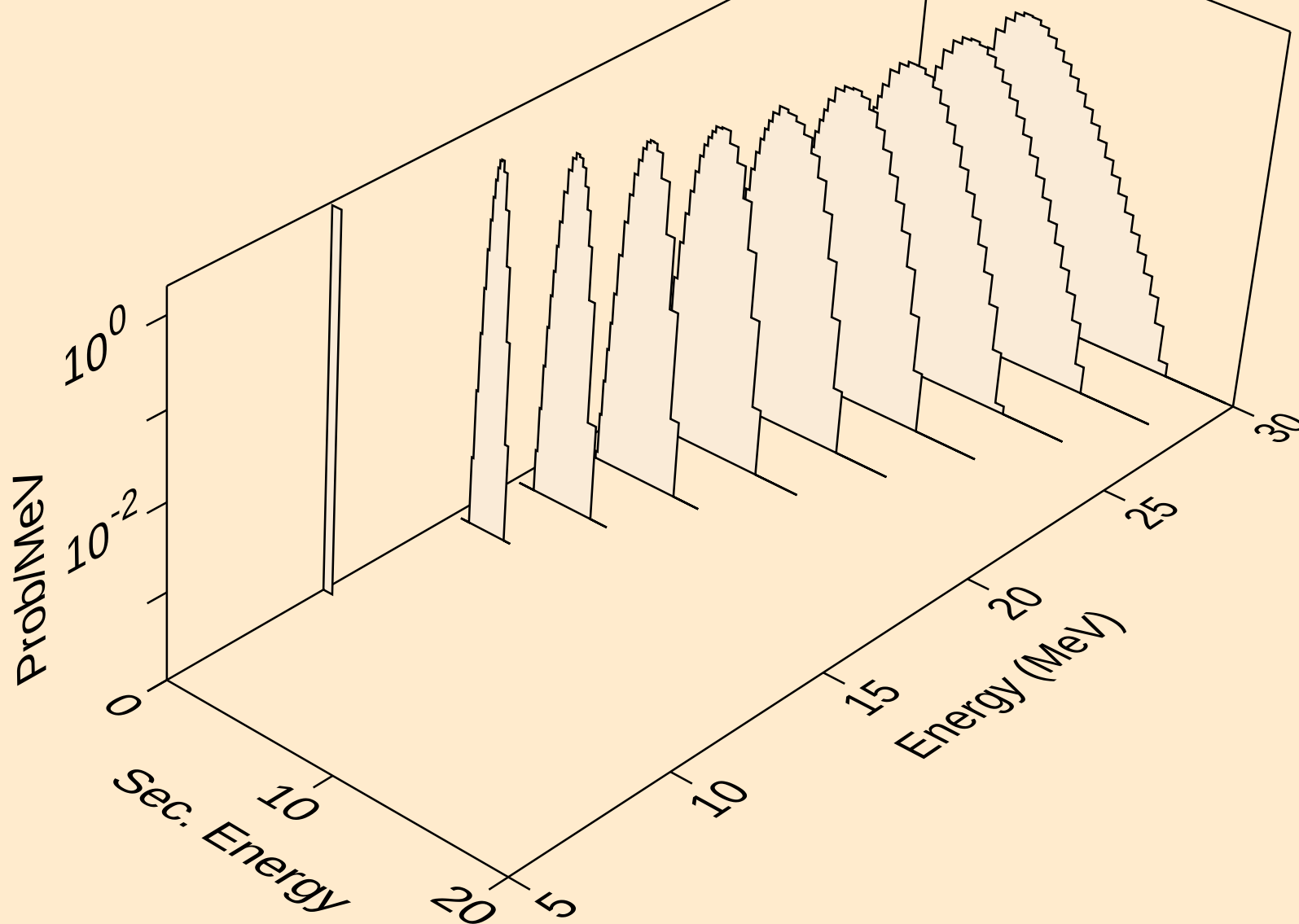
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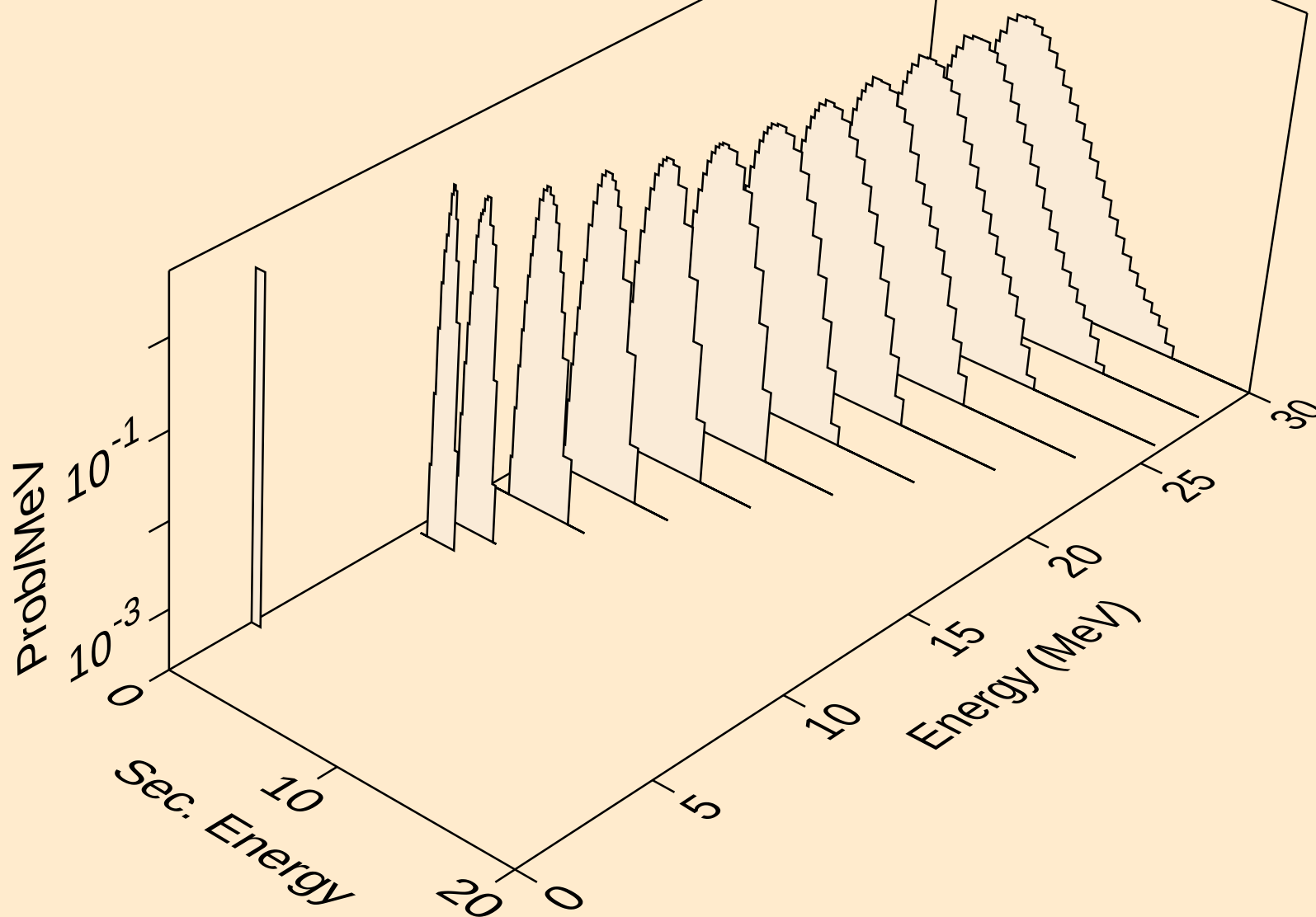
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protons from (n,3np)



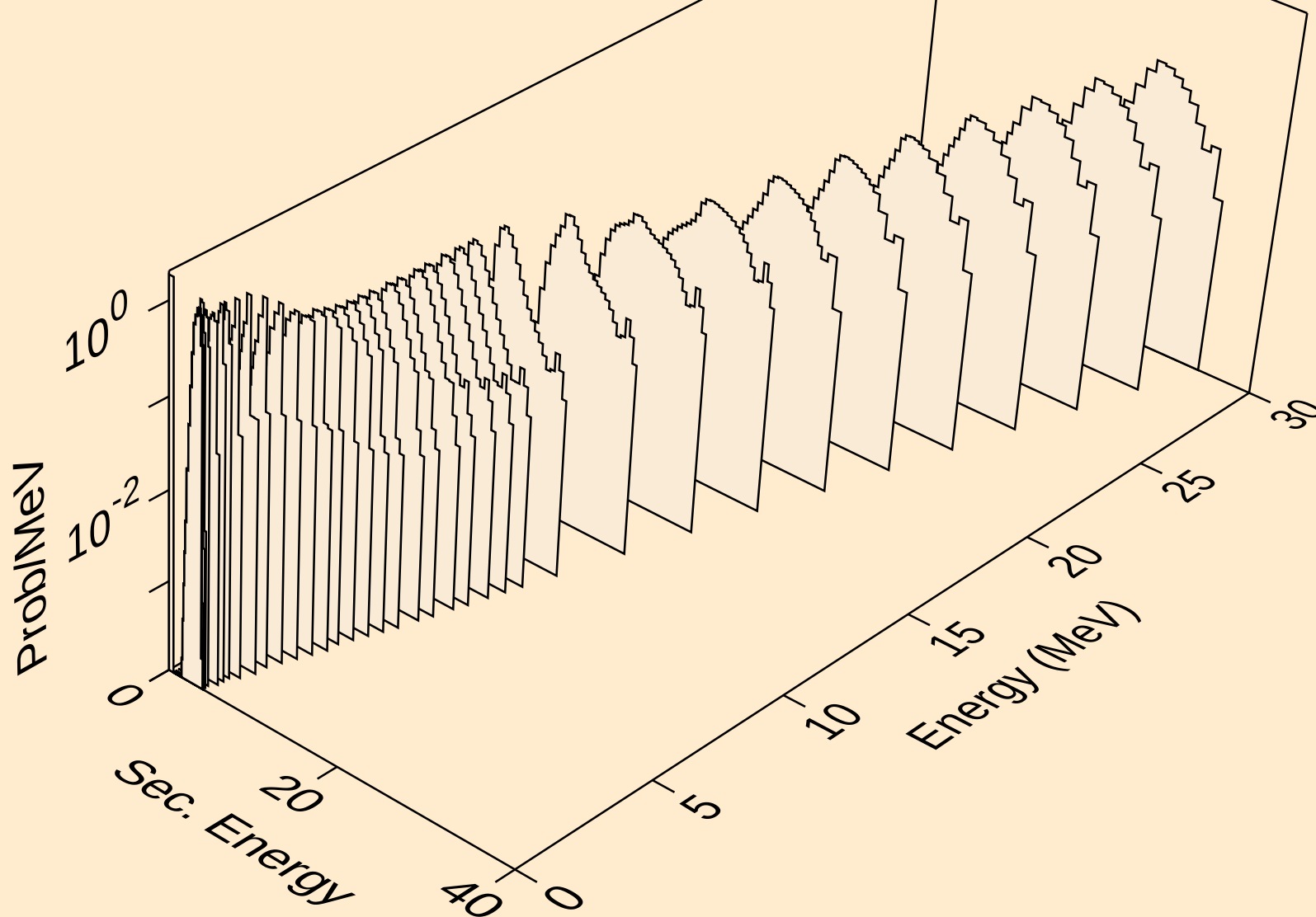
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protons from (n,n2p)



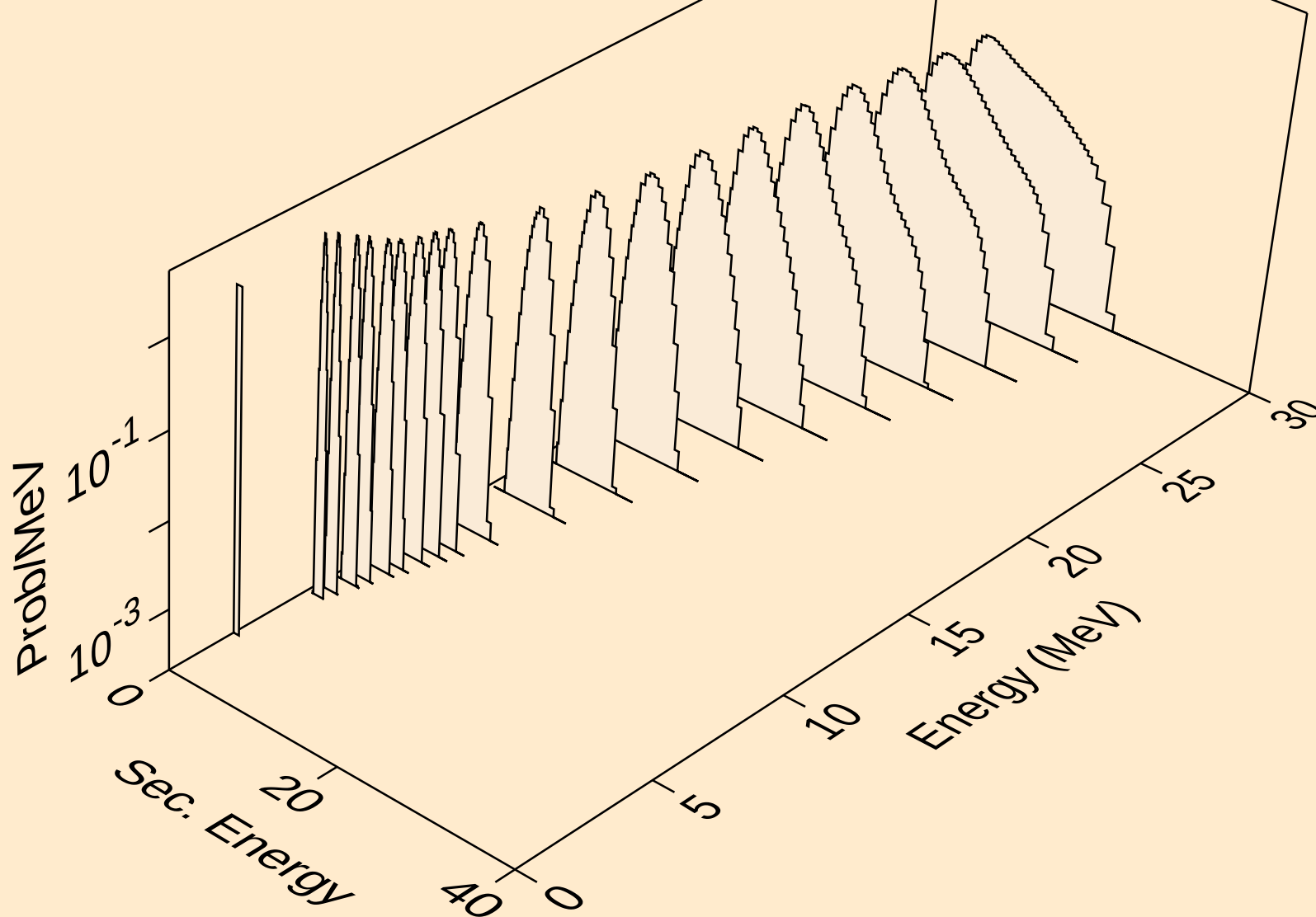
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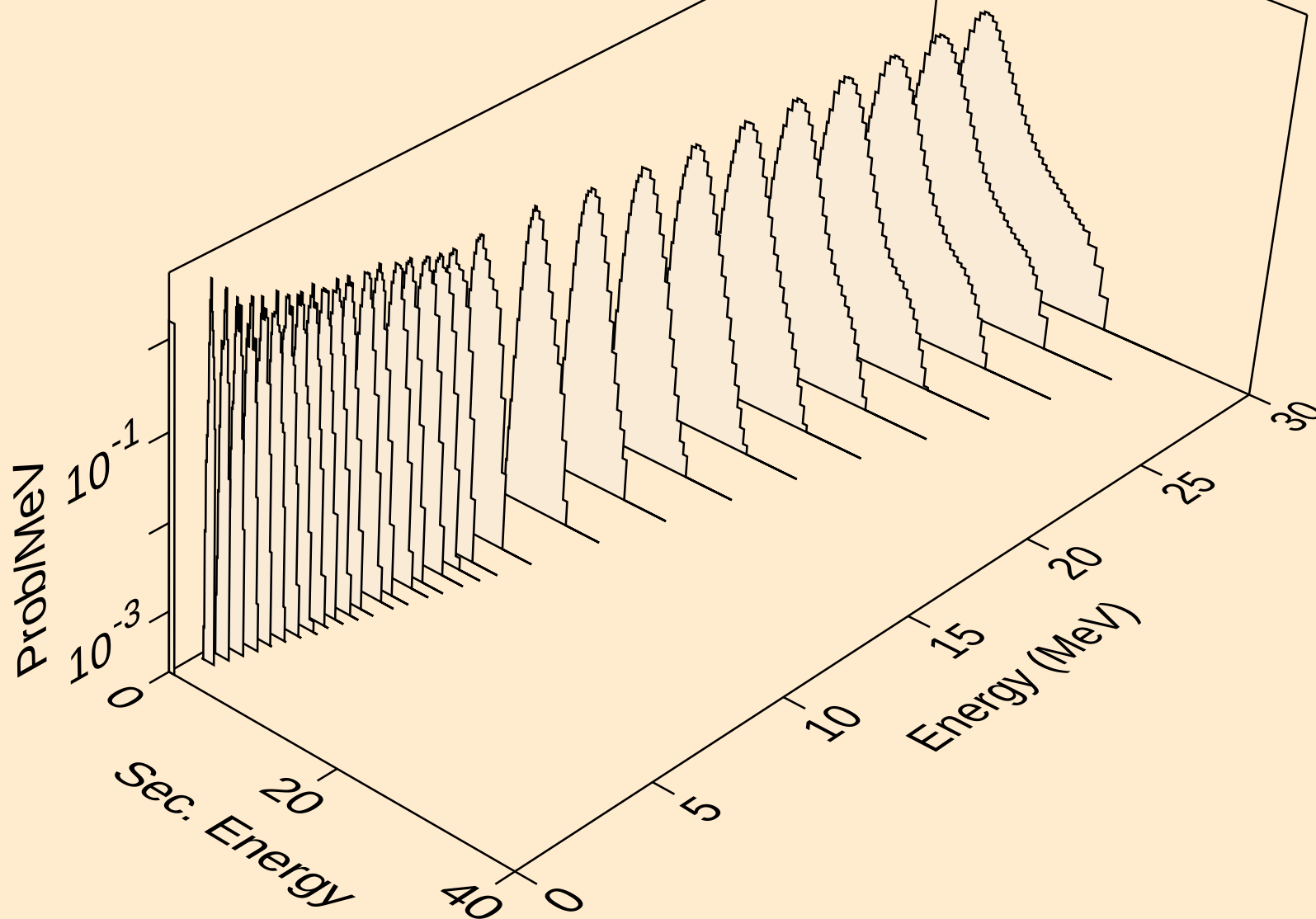
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protons from (n,p)



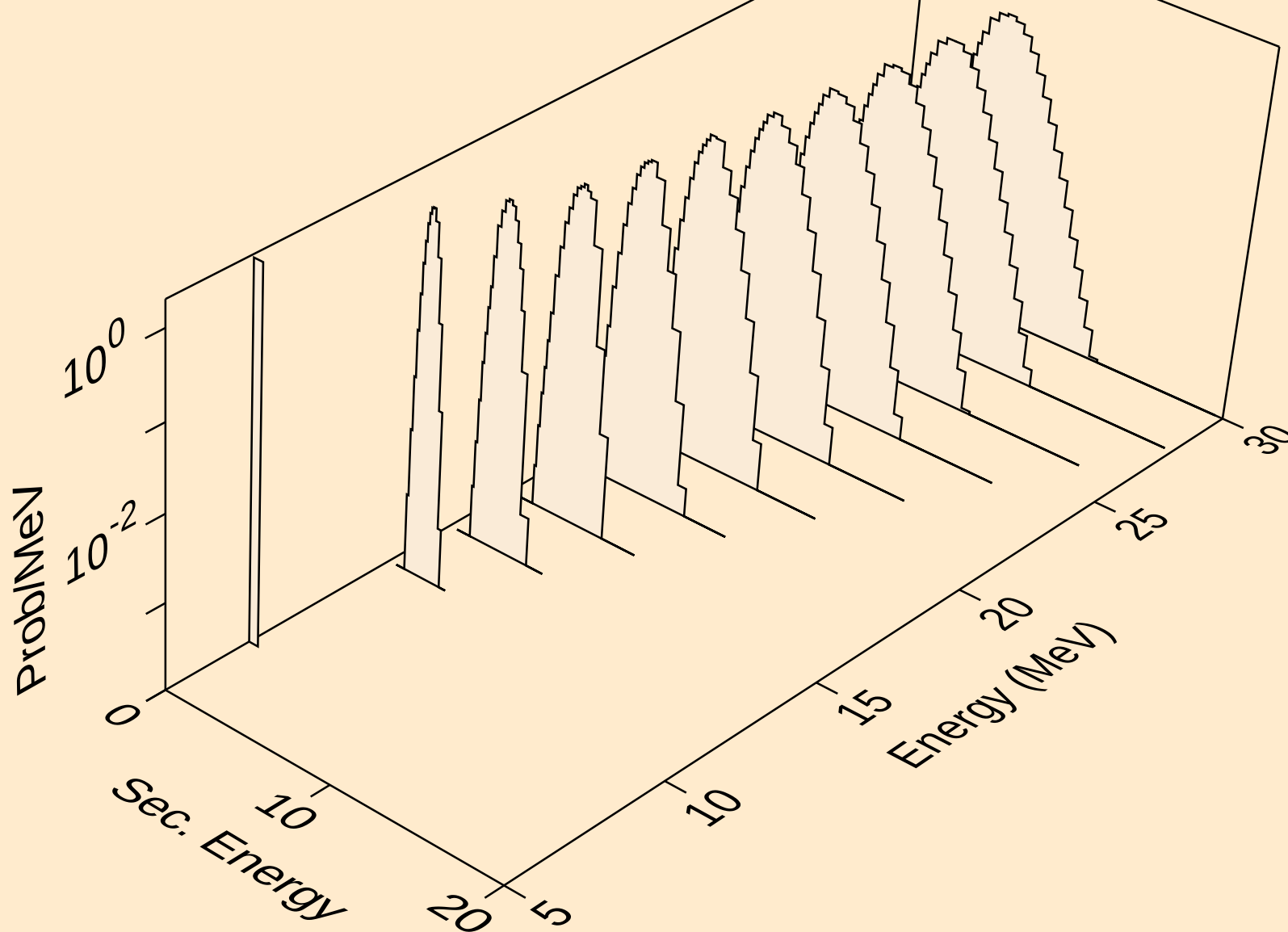
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protons from (n,2p)



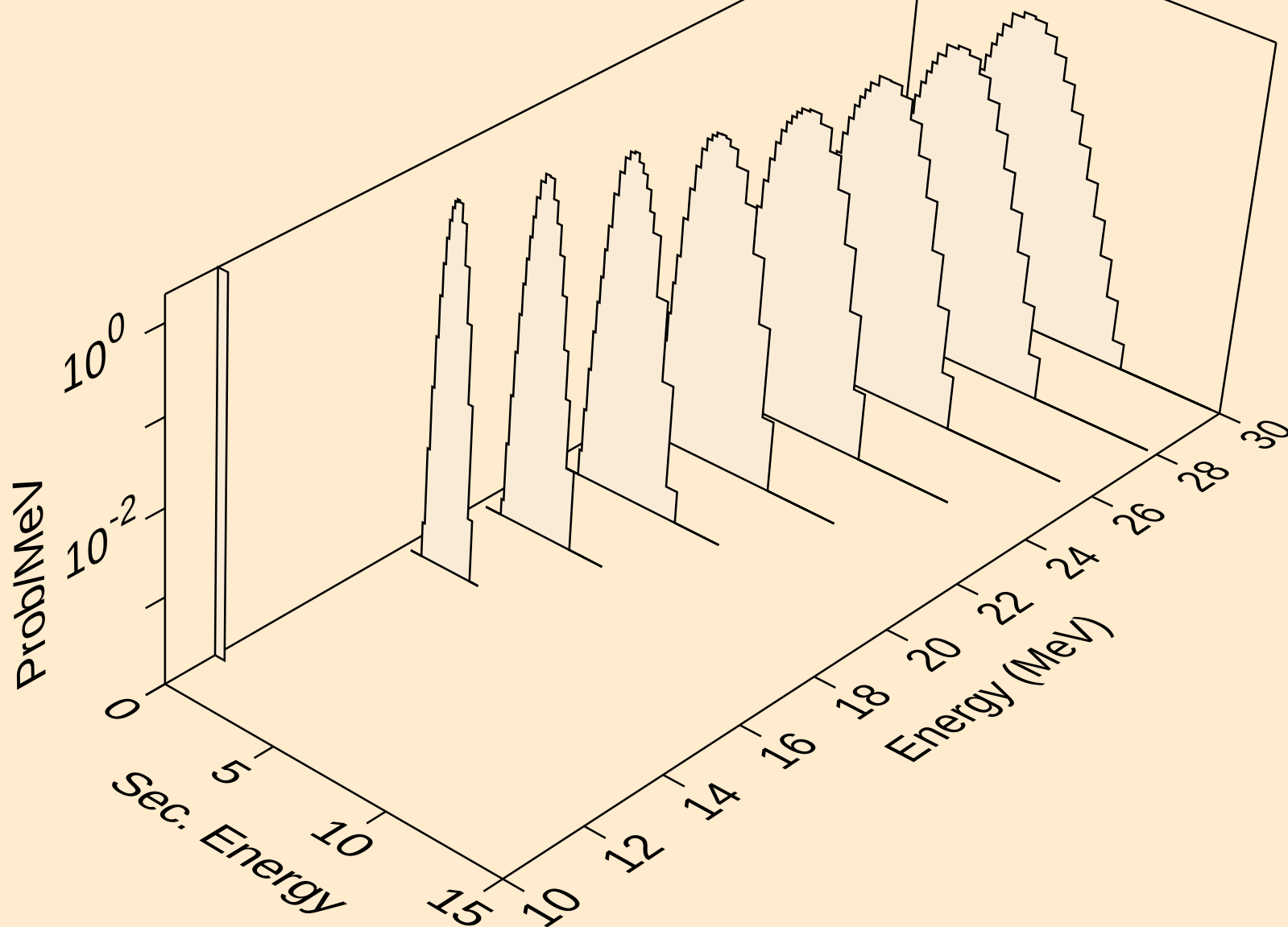
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protons from (n,p)



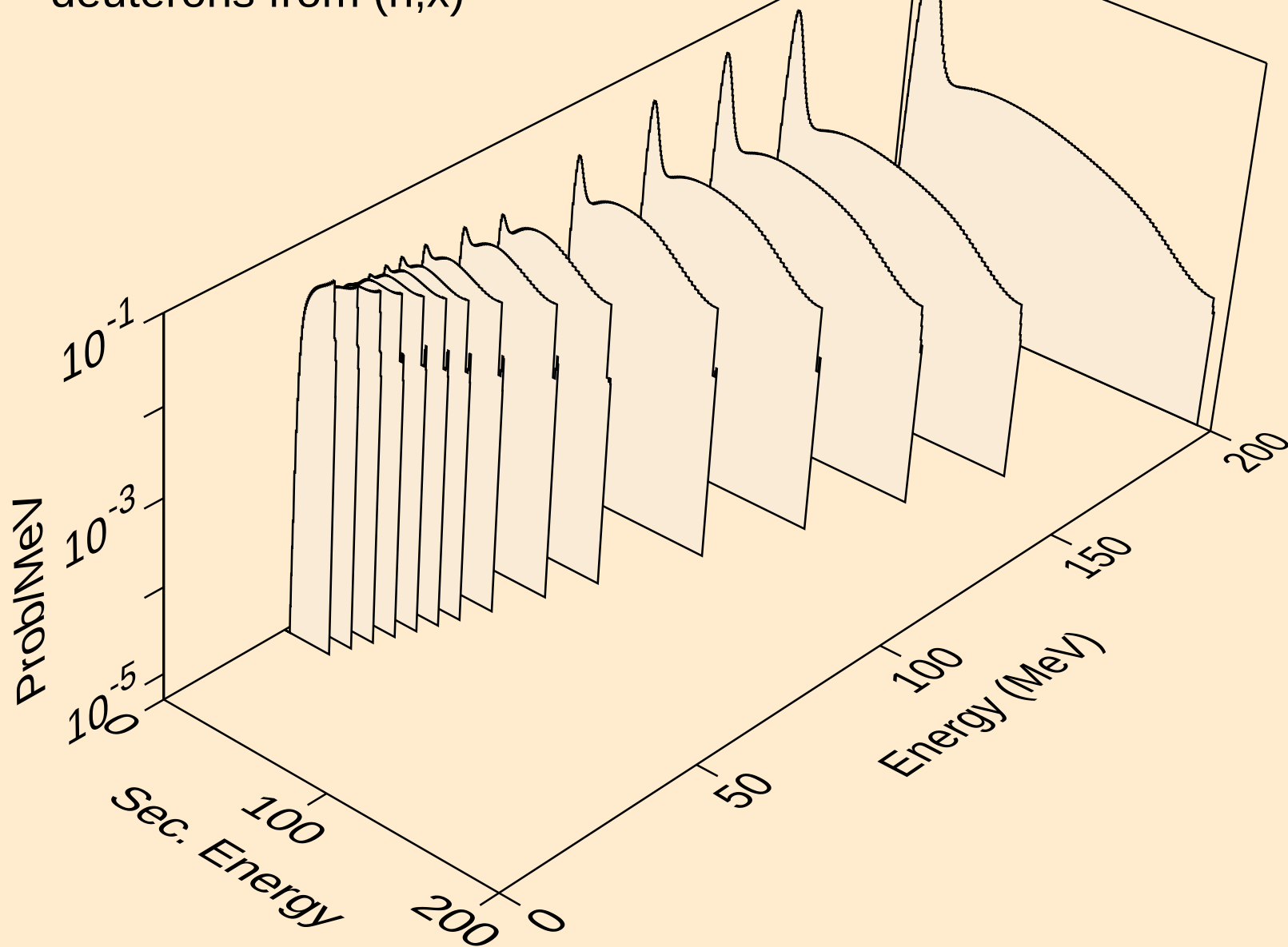
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protons from (n,pd)



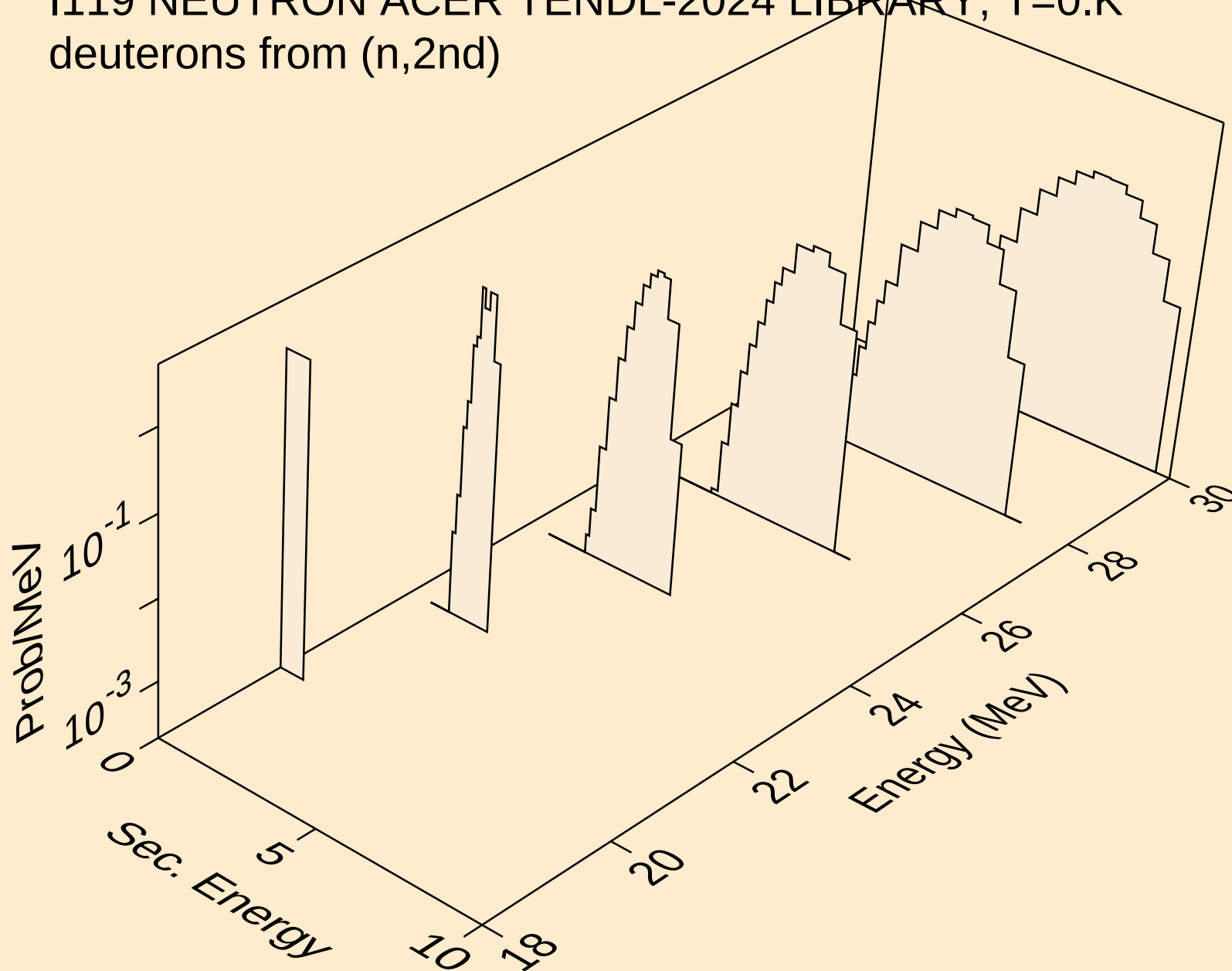
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protons from (n,pt)



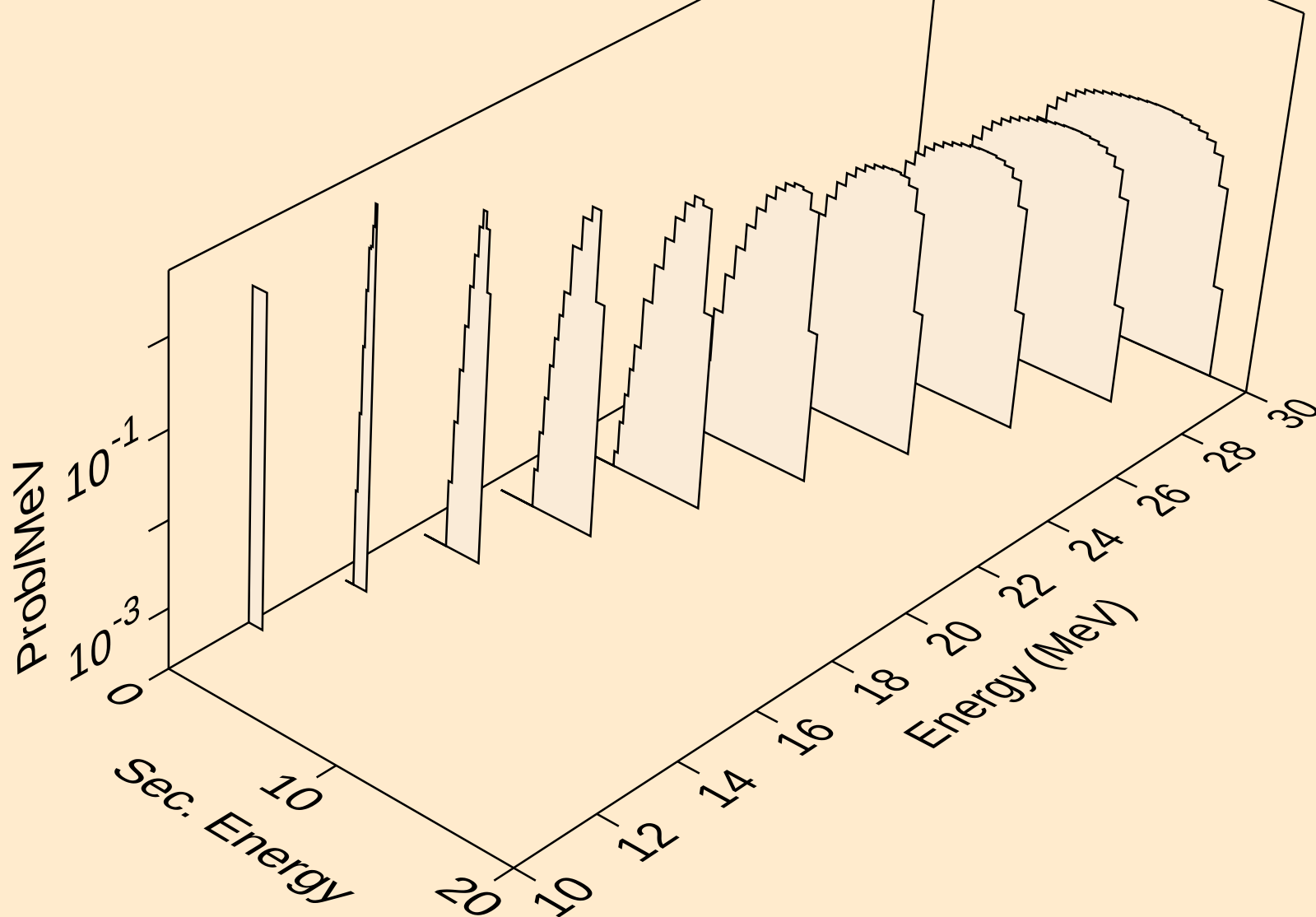
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deuterons from (n,x)



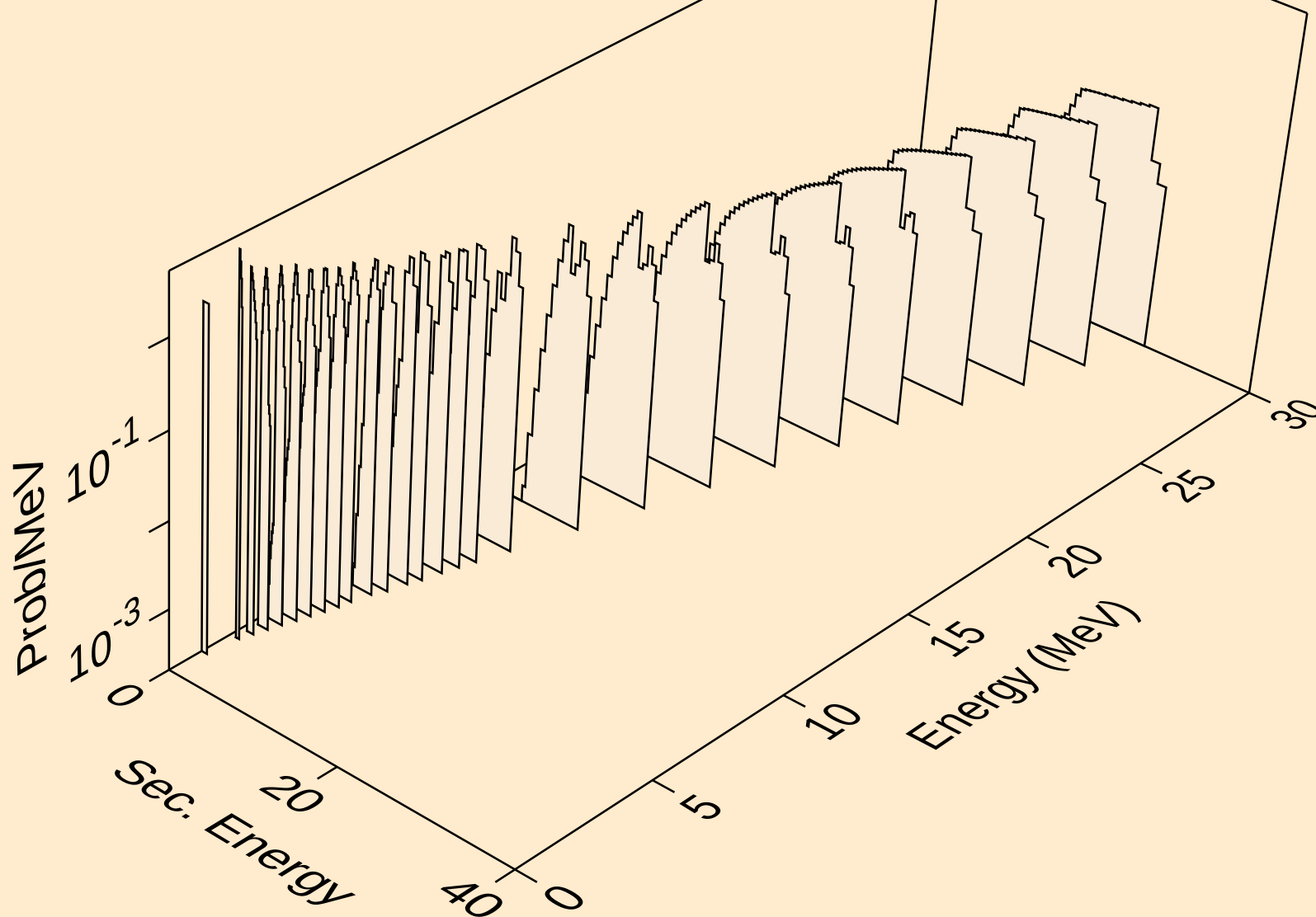
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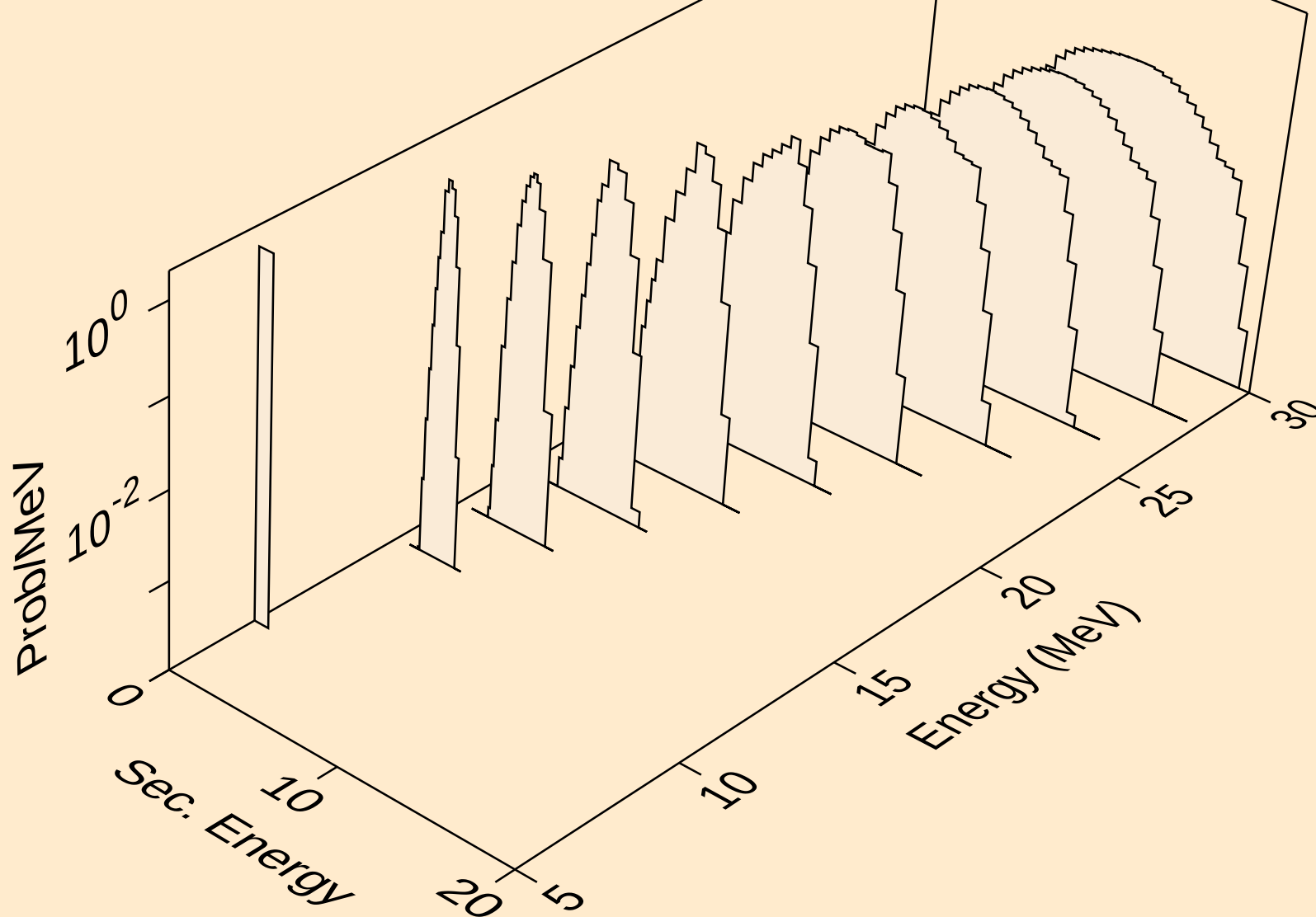
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d



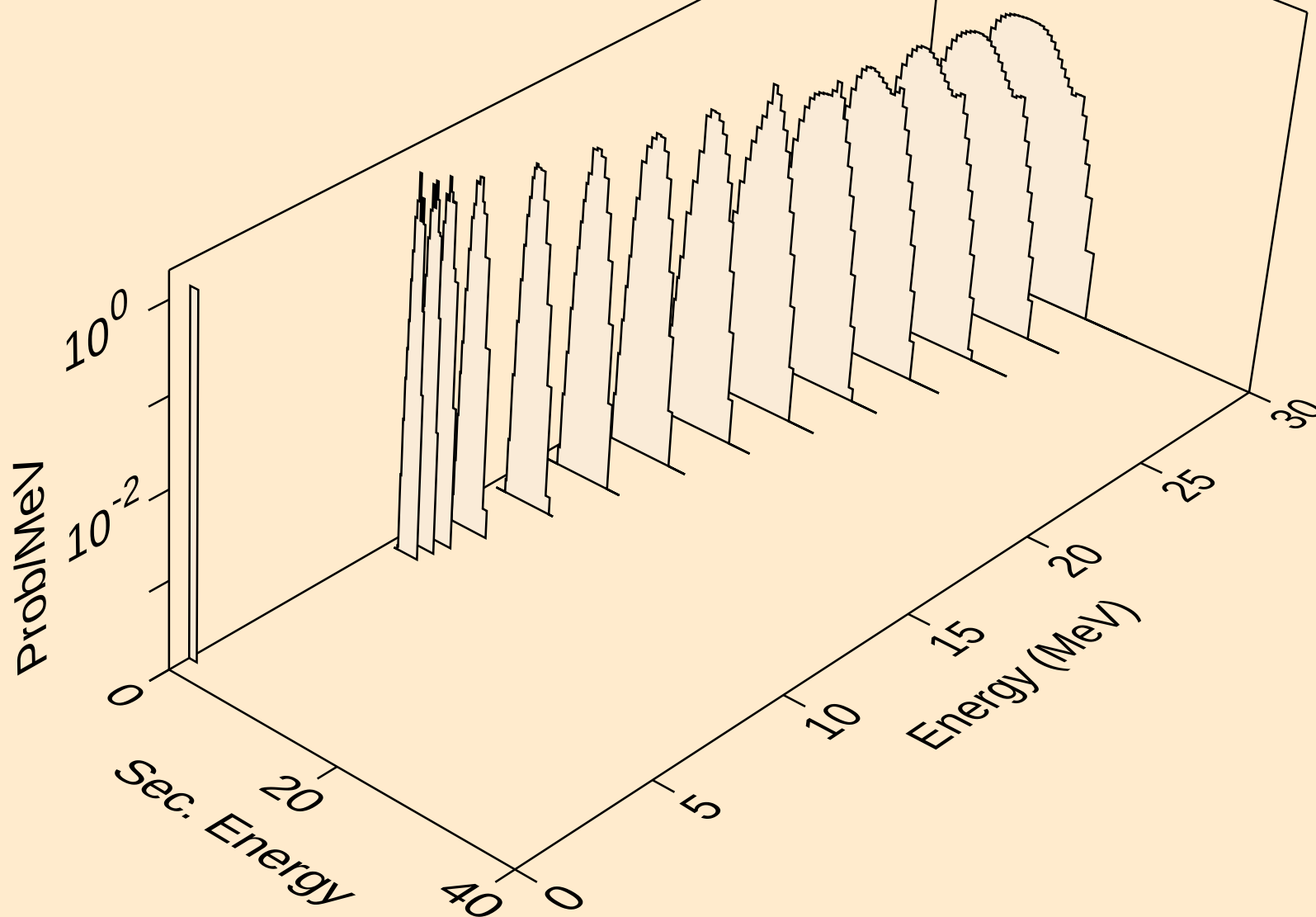
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deuterons from (n,d)



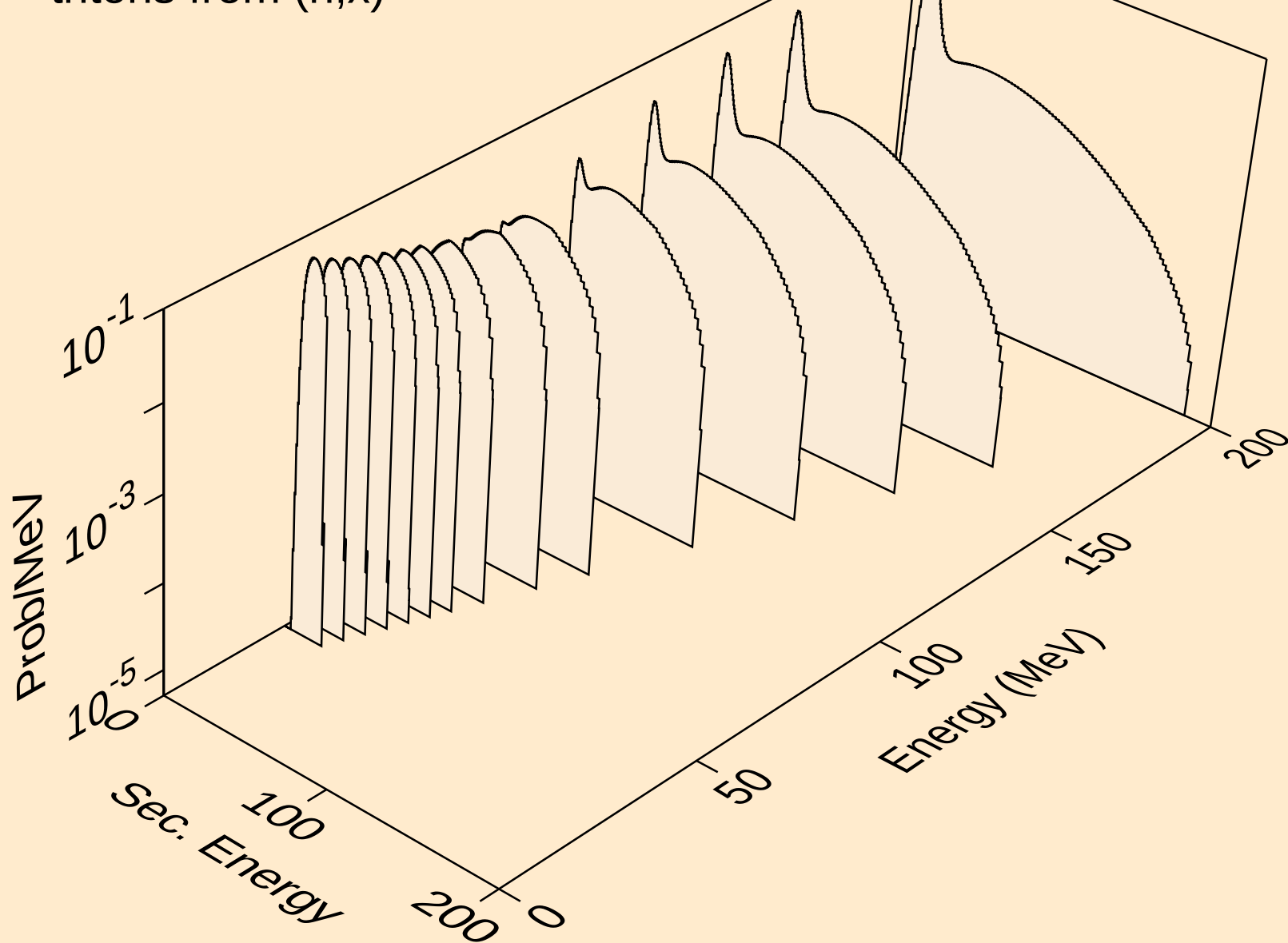
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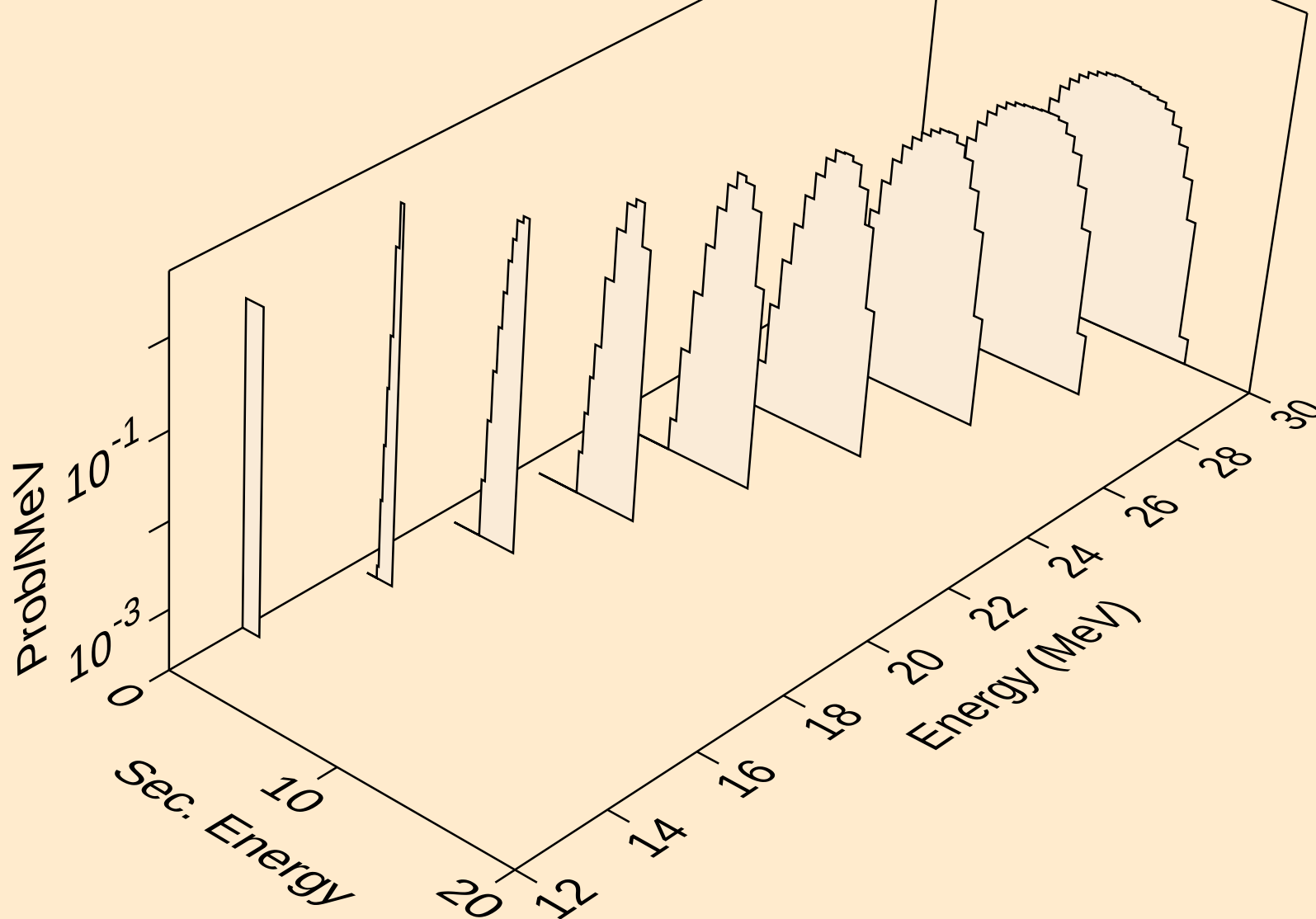
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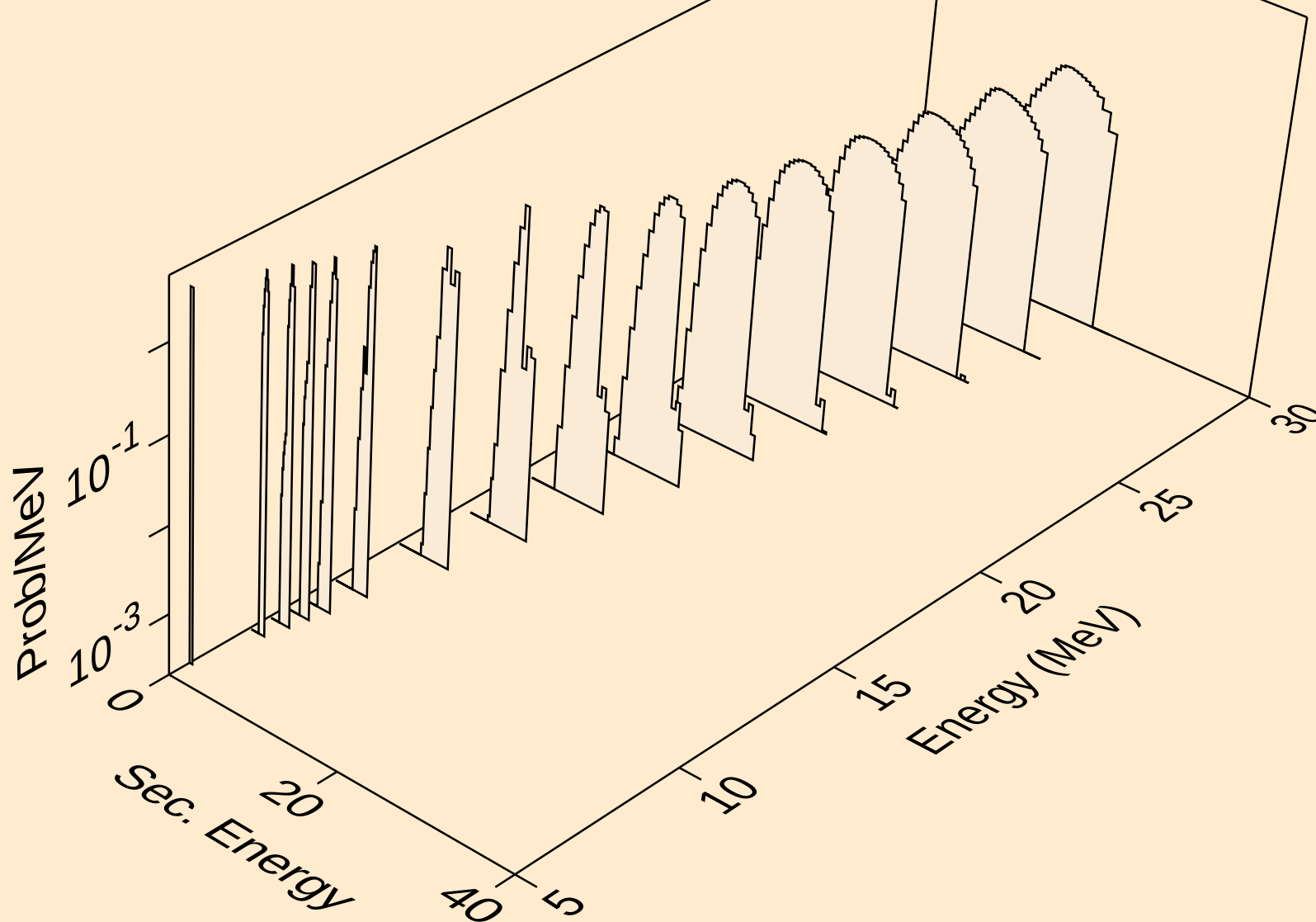
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tritons from (n,x)



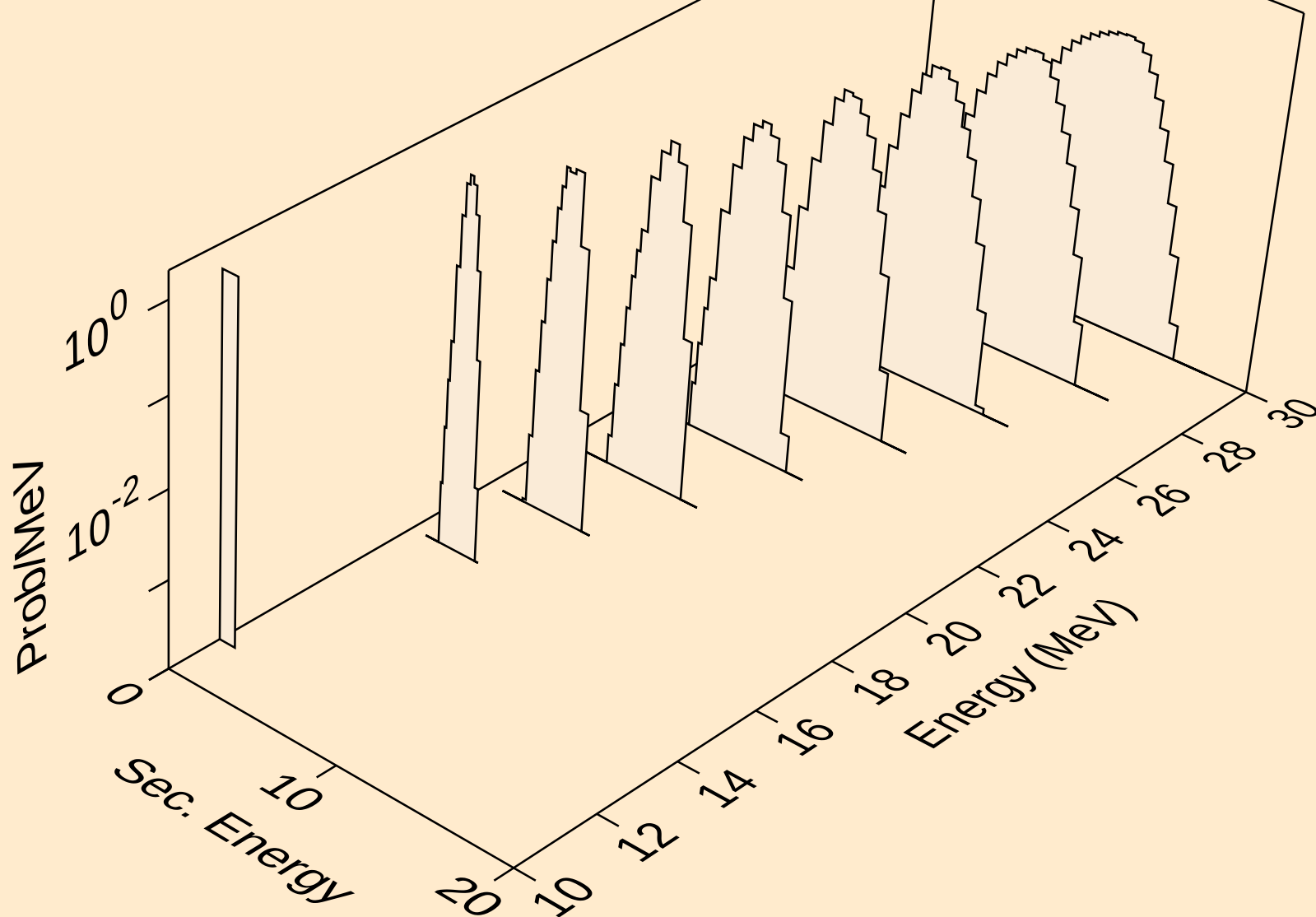
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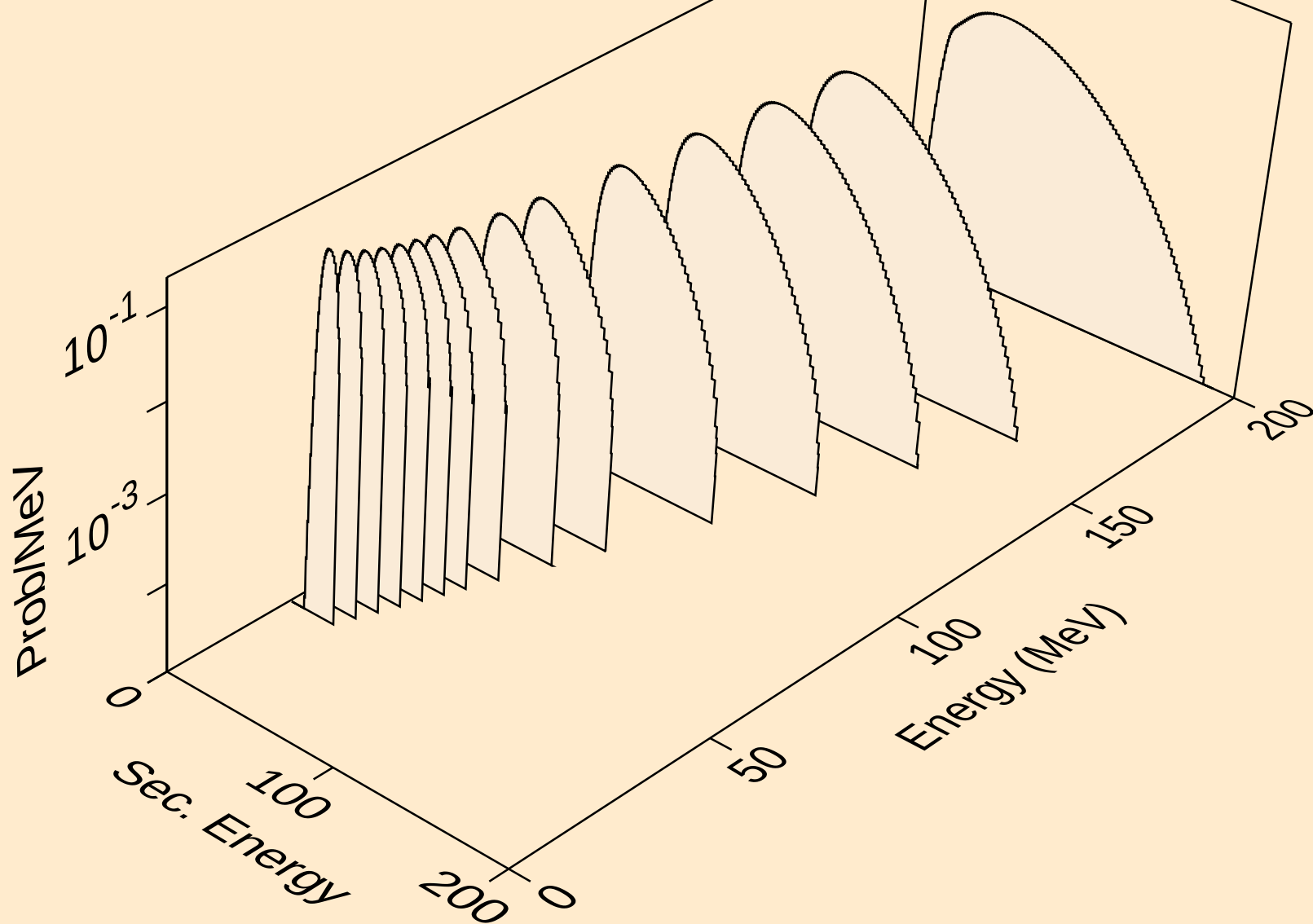
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tritons from (n,t)



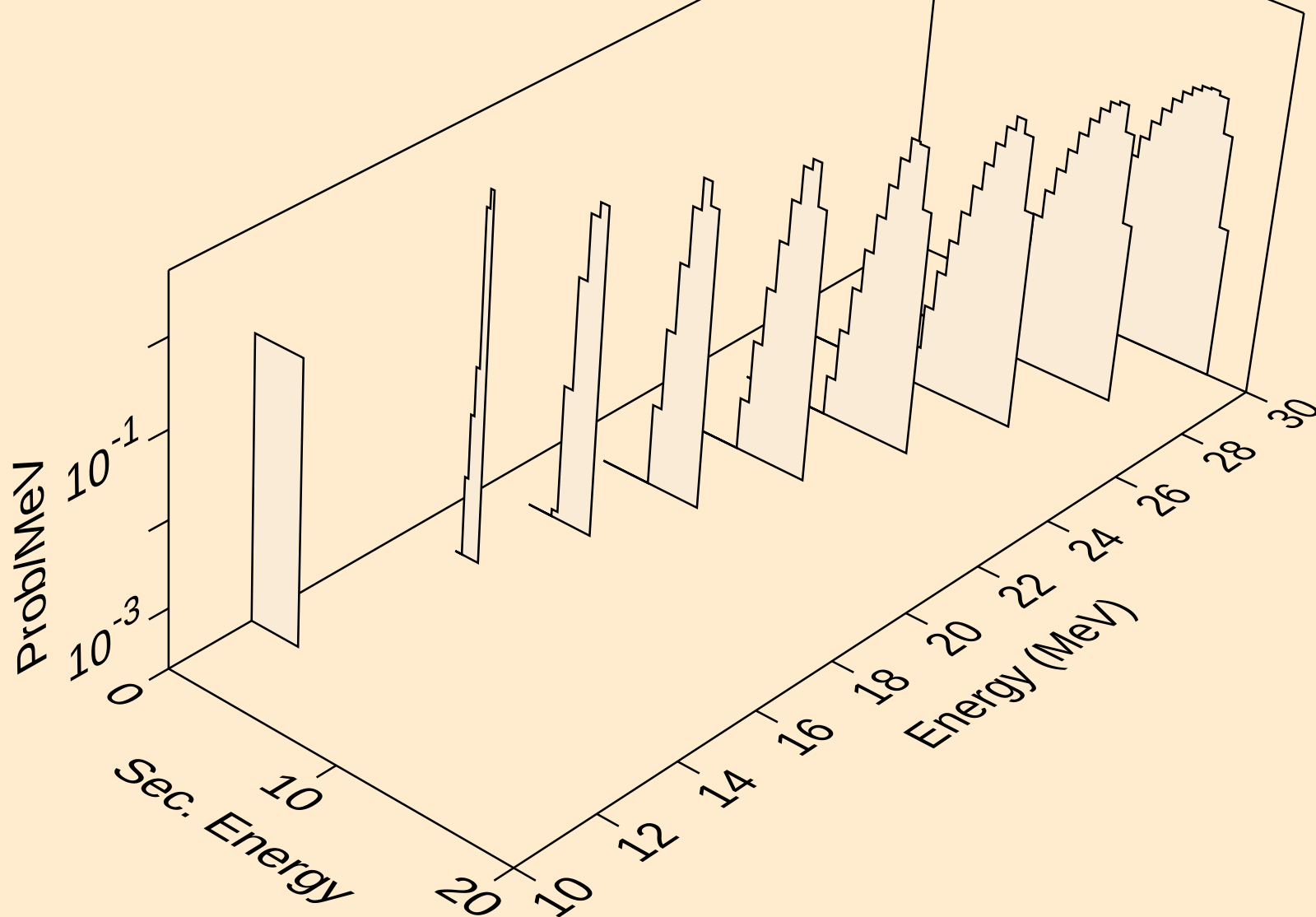
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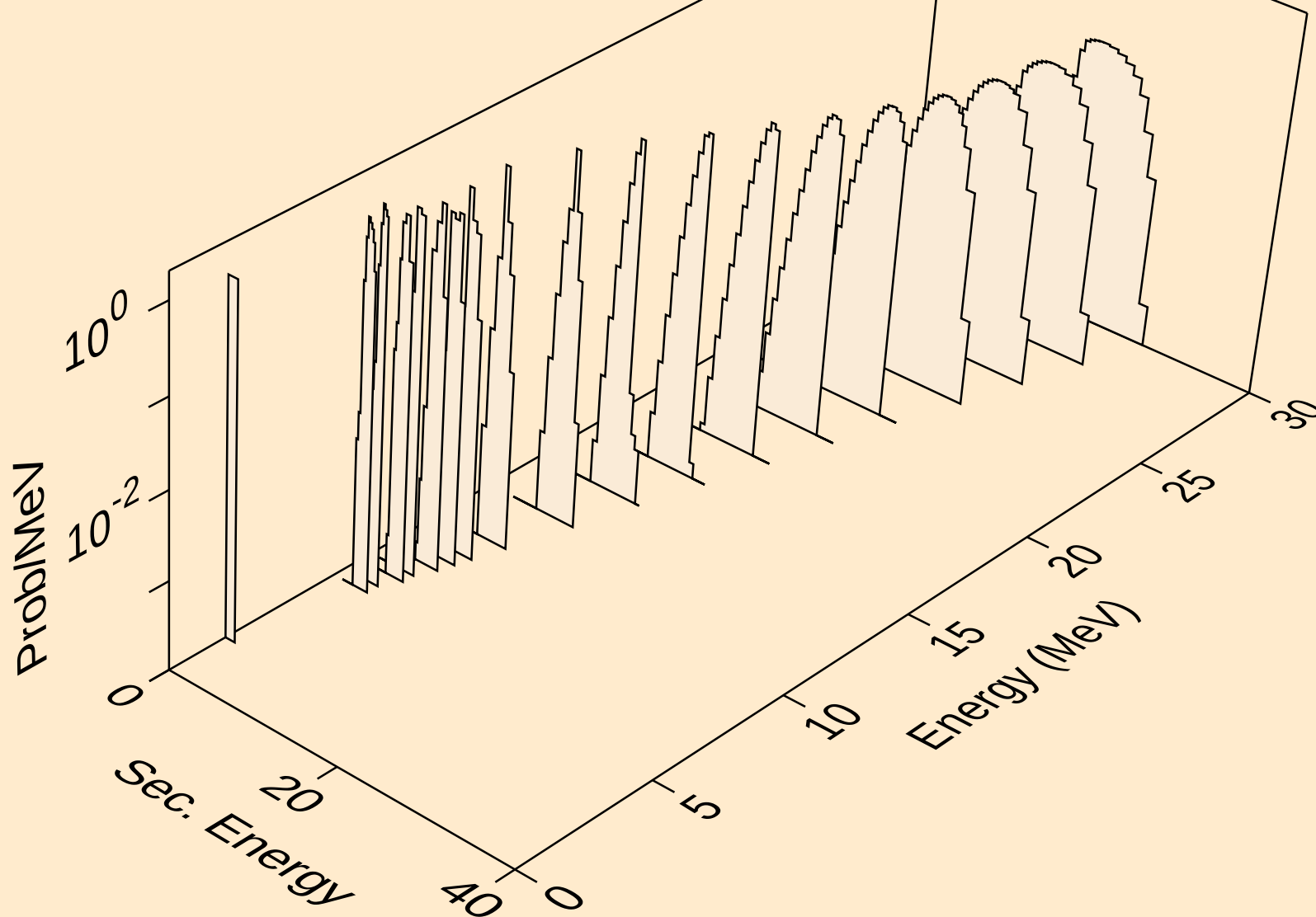
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he3s from (n,x)



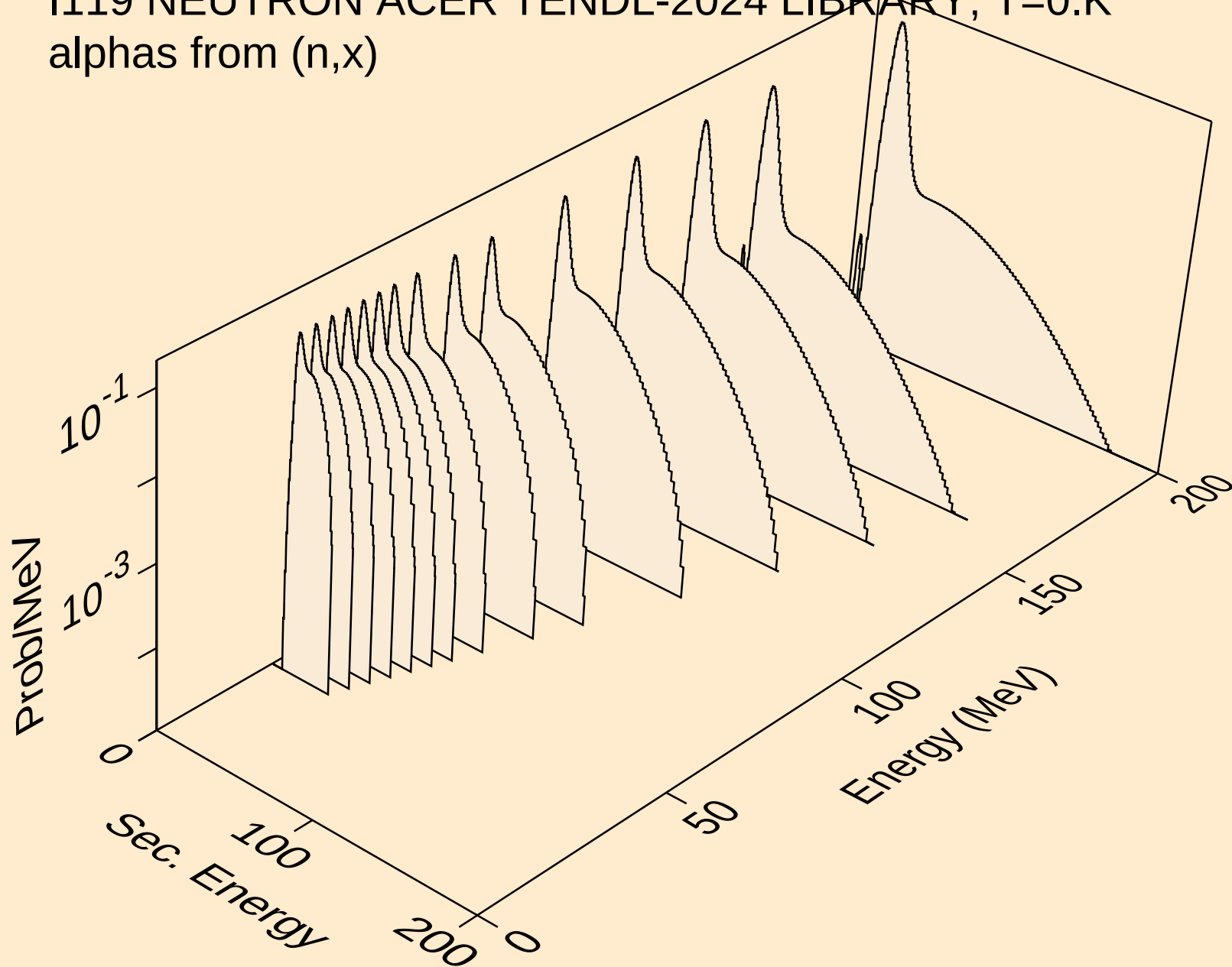
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he3s from (n,n\*)he3



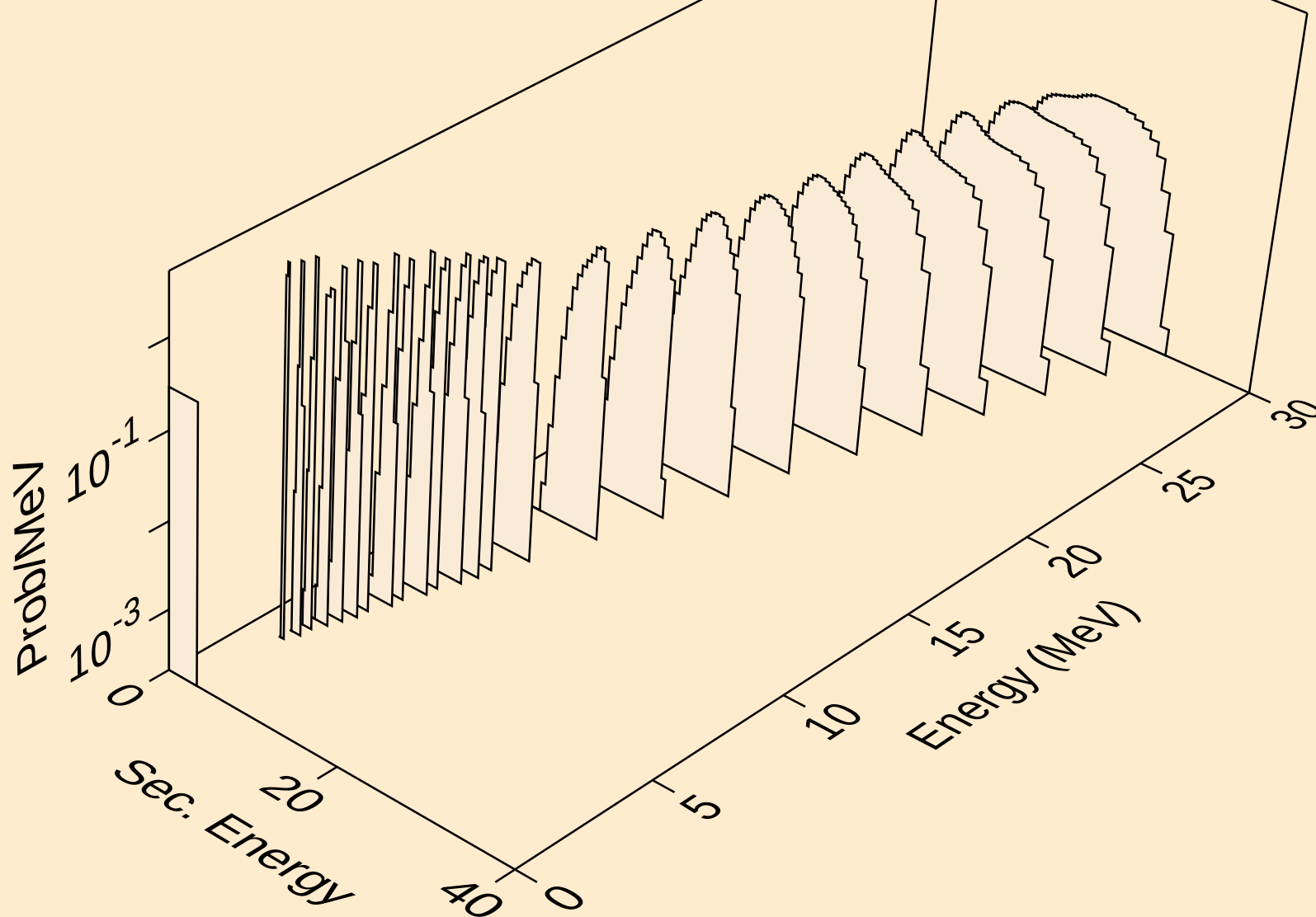
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he3s from (n,he3)



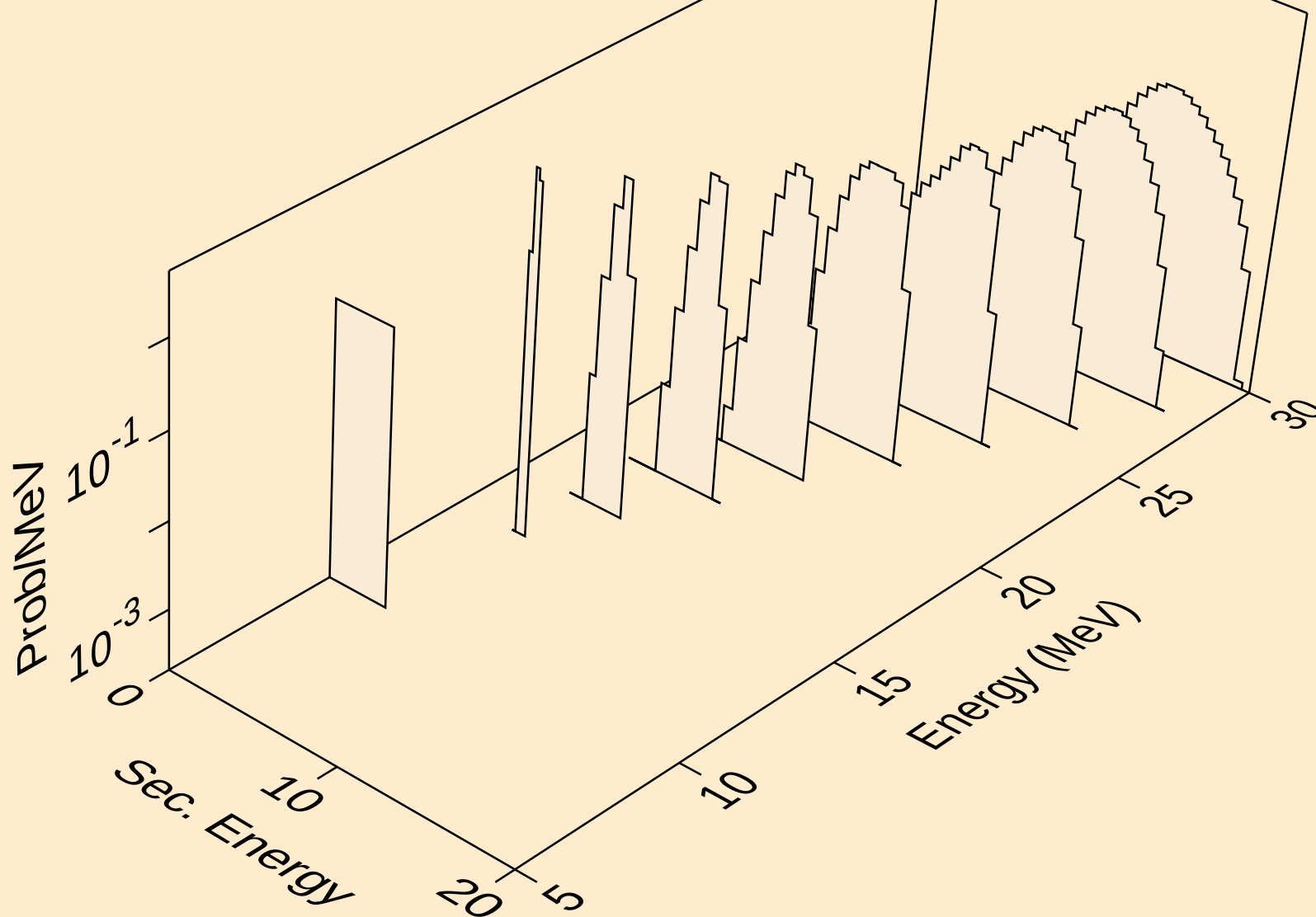
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alphas from (n,x)



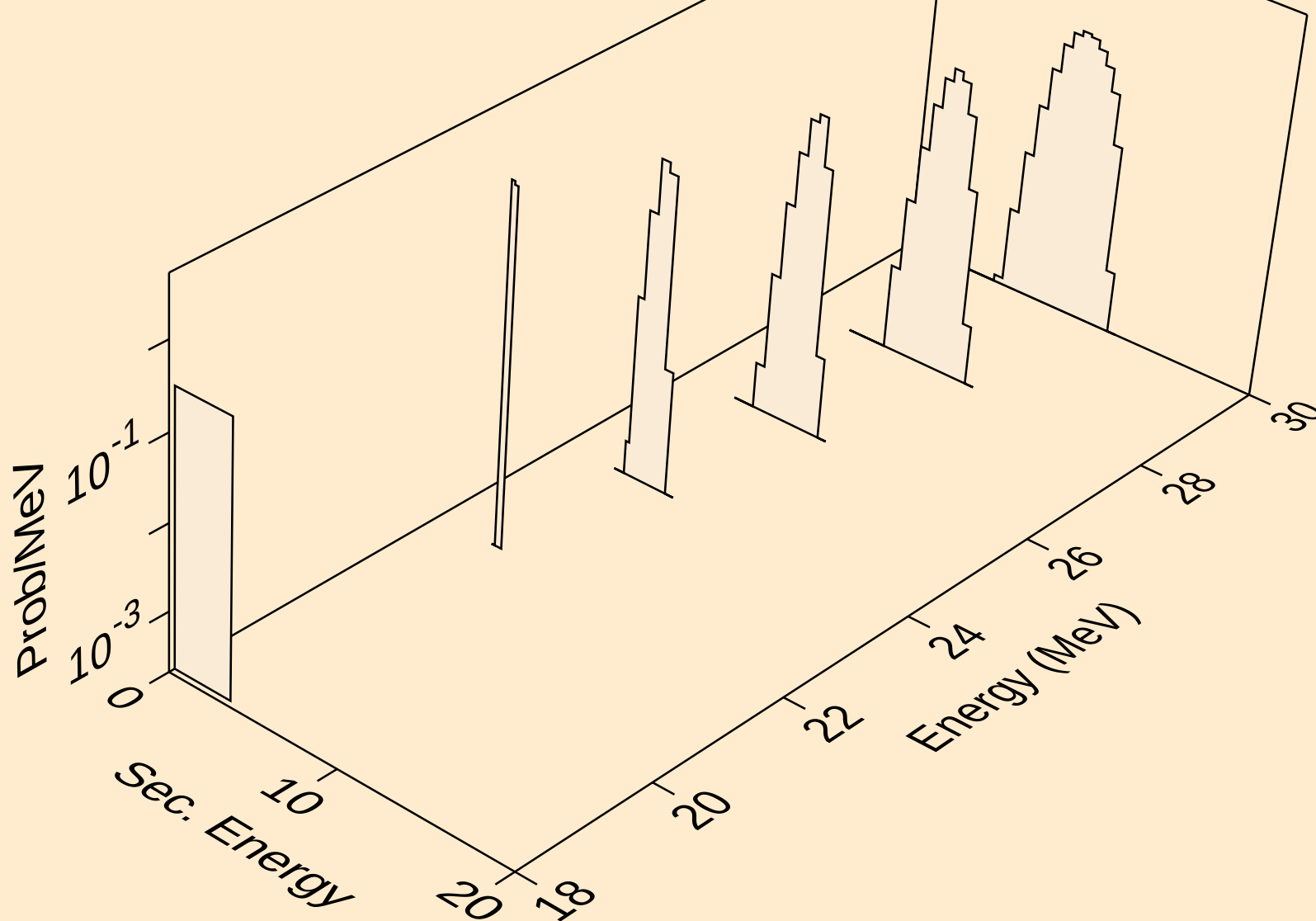
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alphas from (n,n\*)a



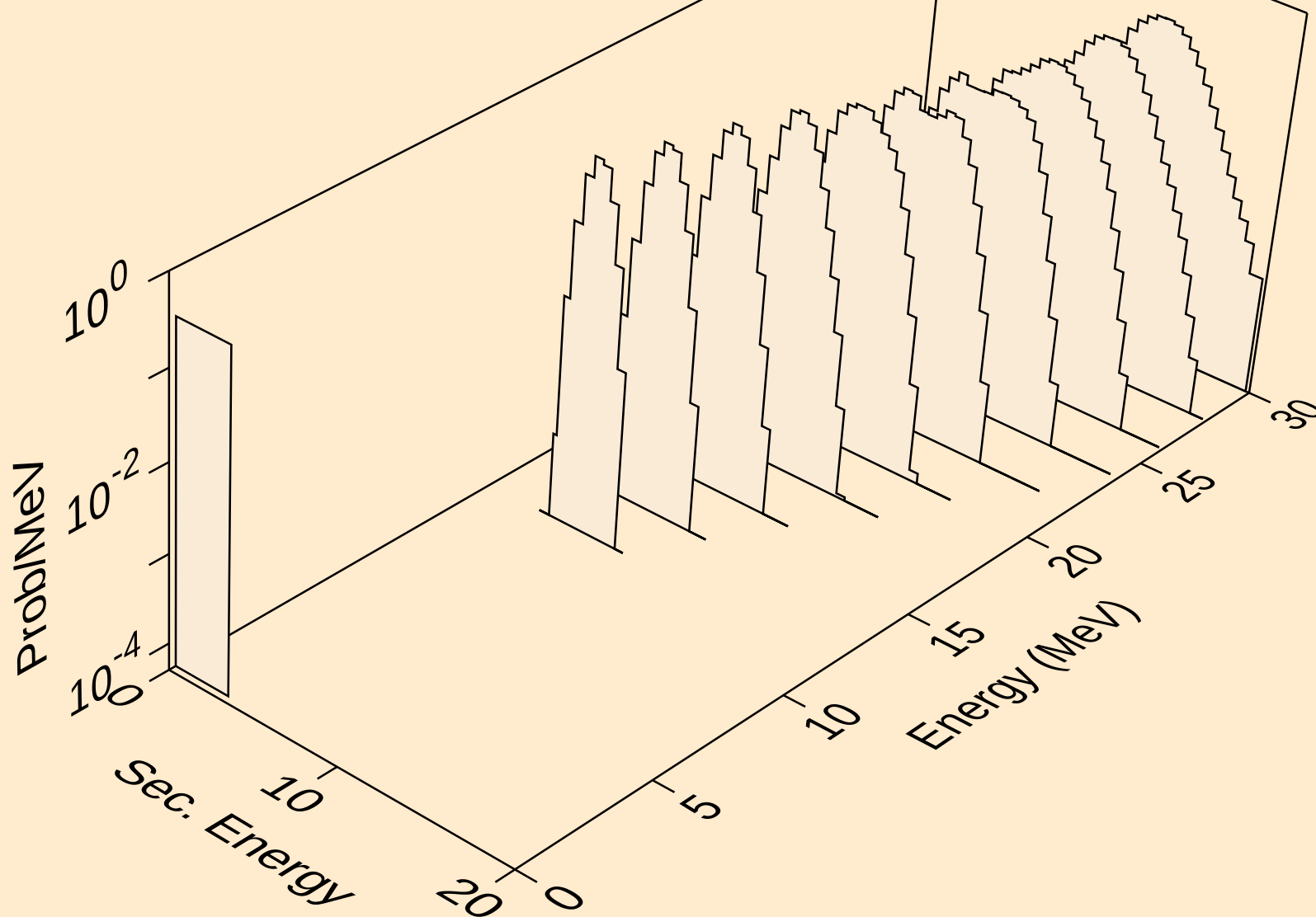
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



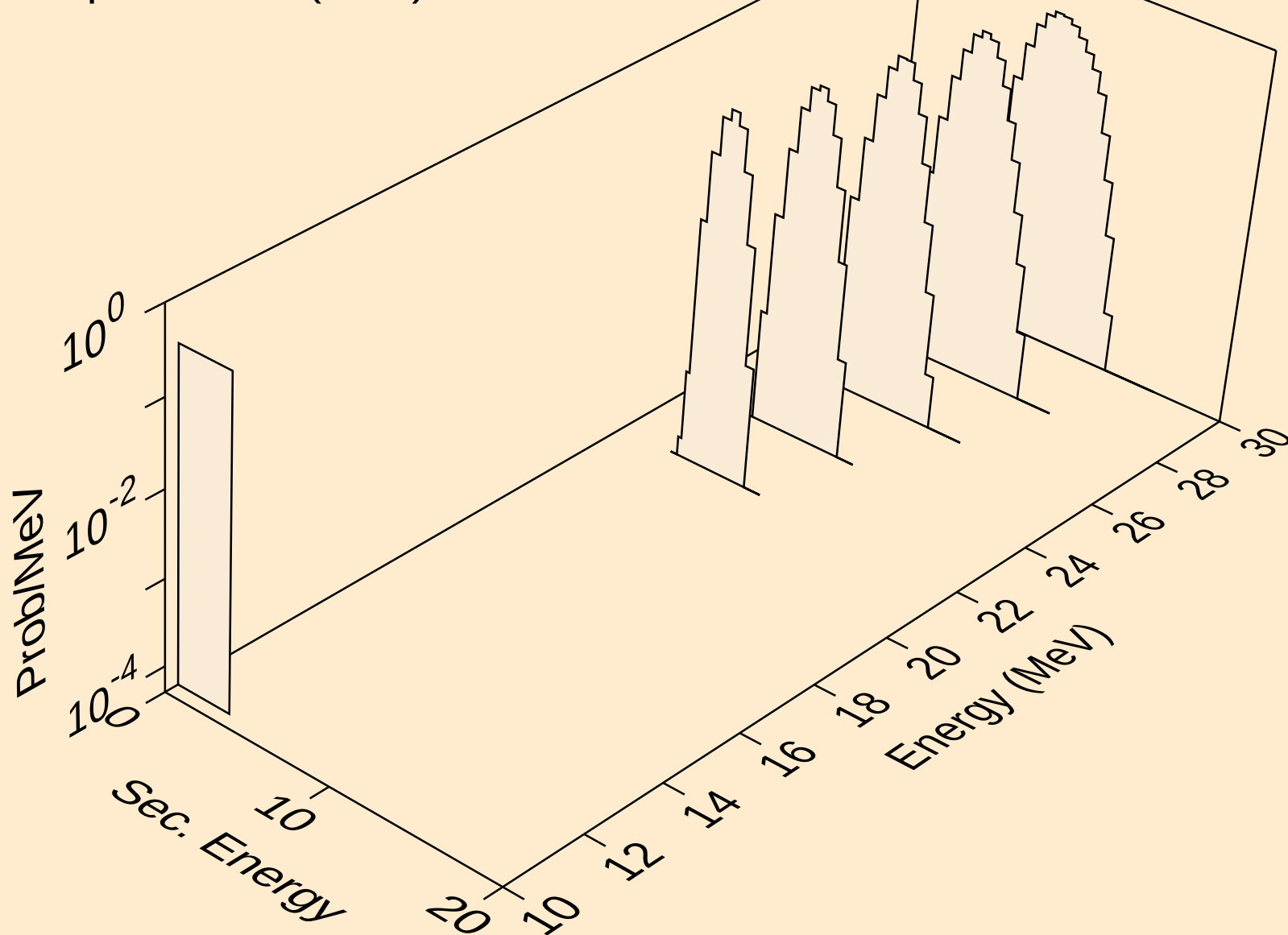
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



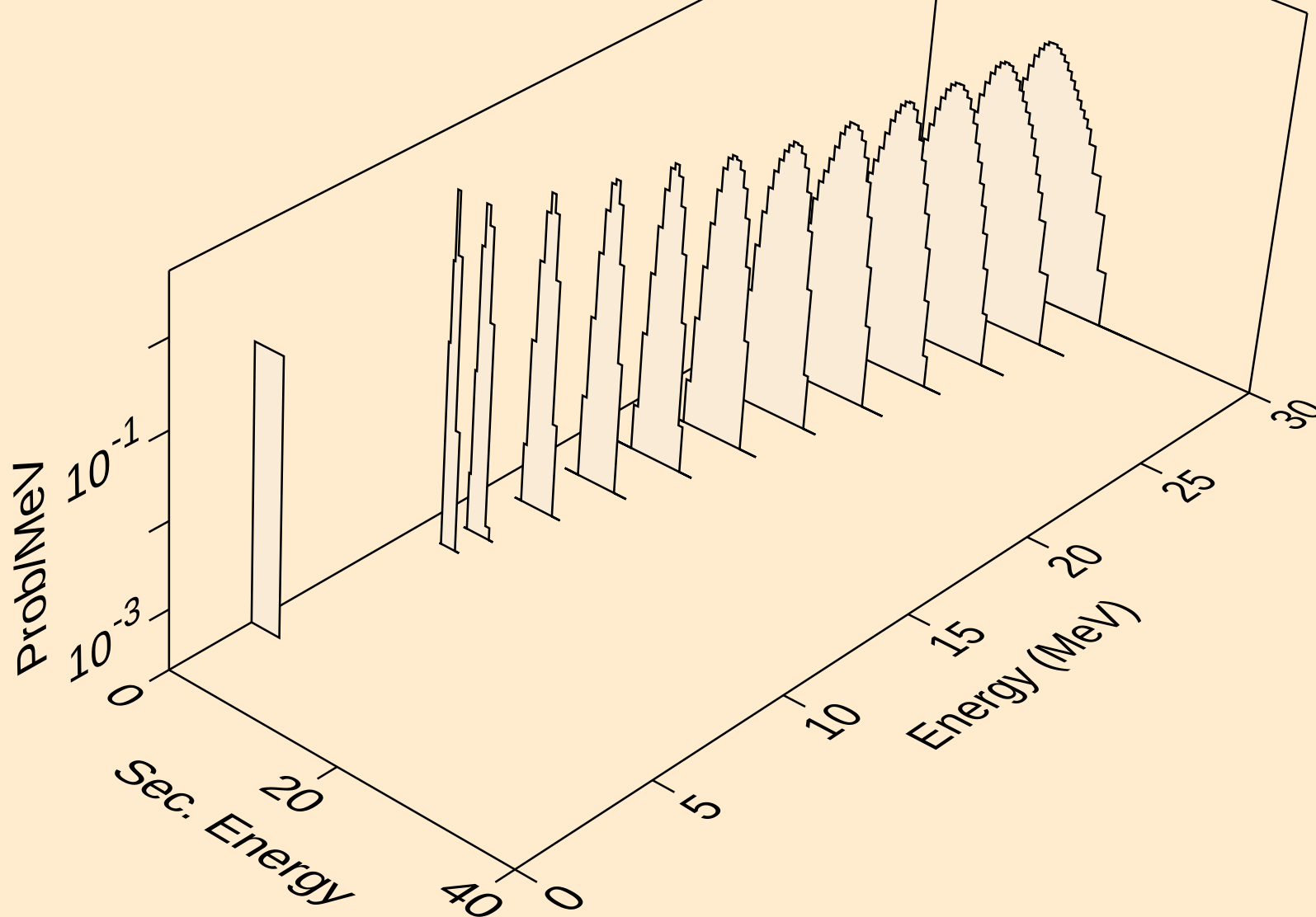
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



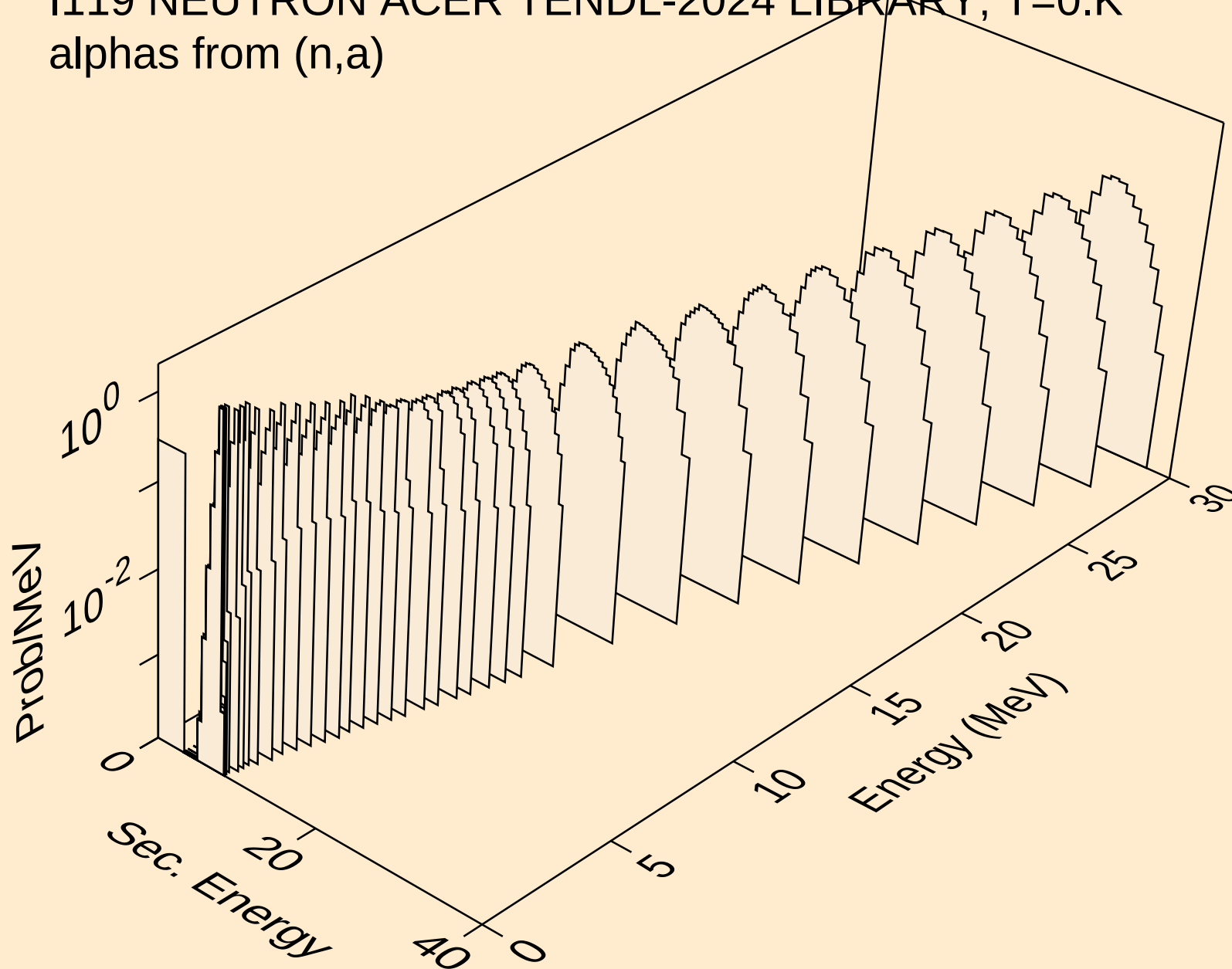
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



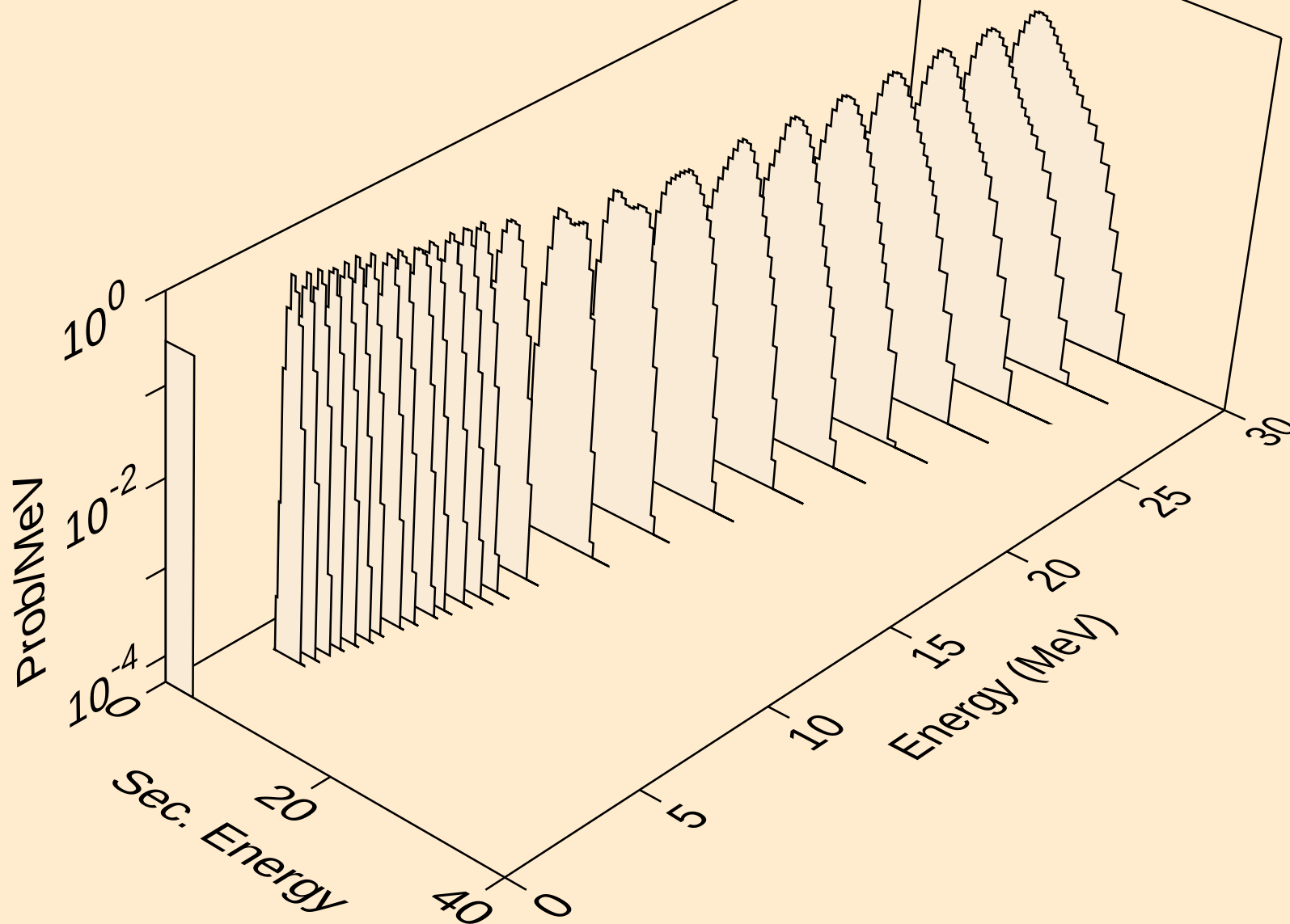
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



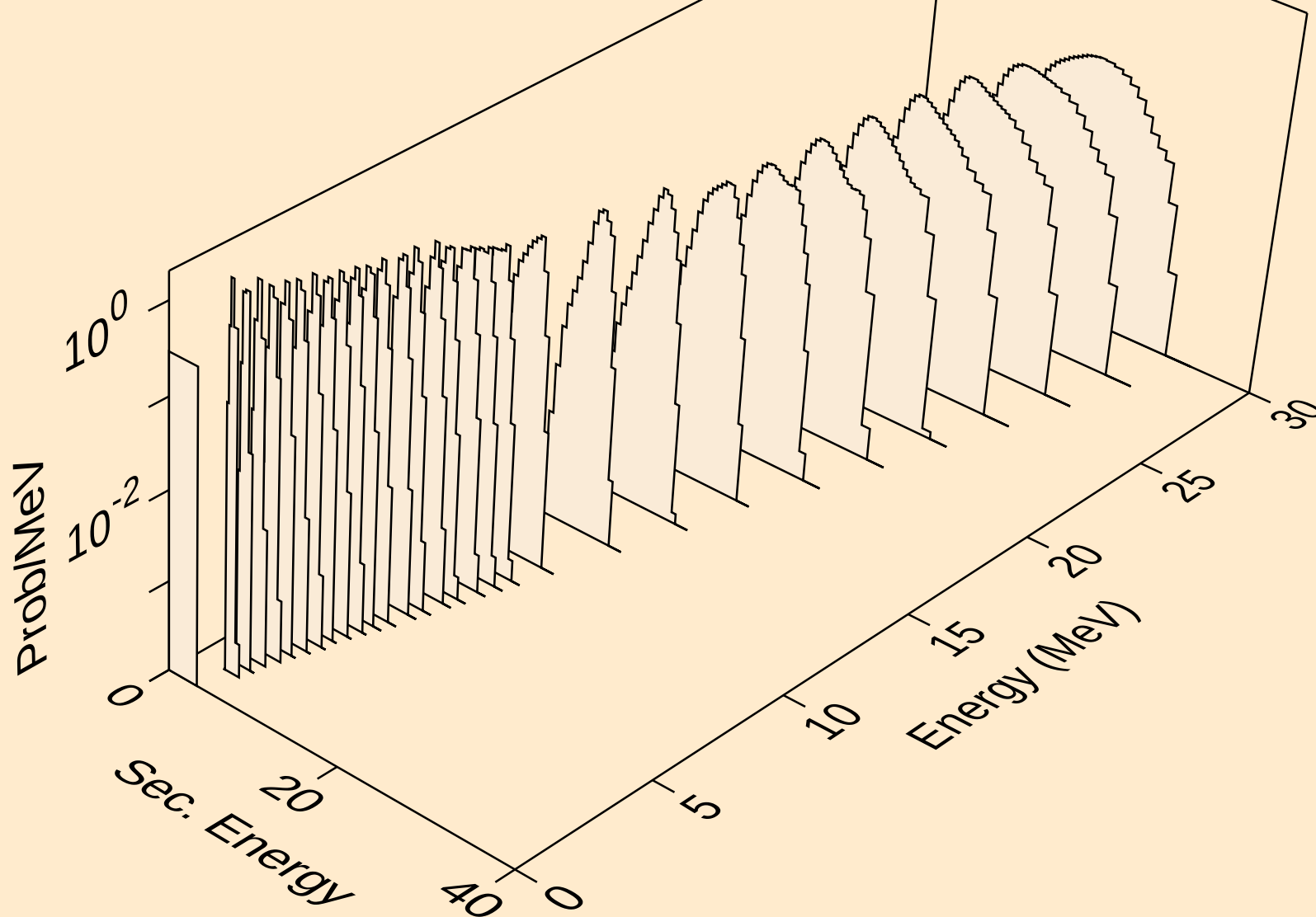
I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



I119 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

