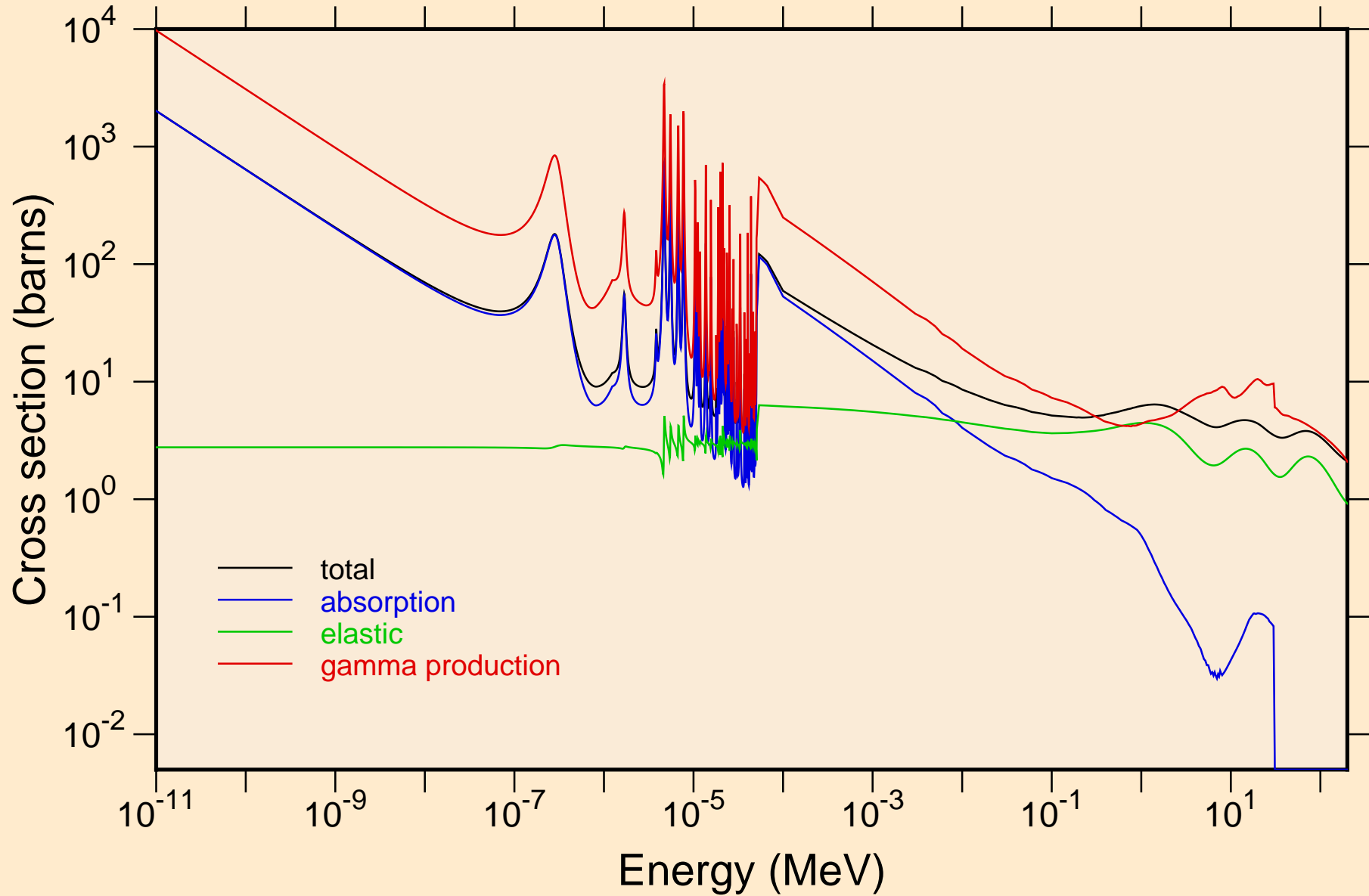
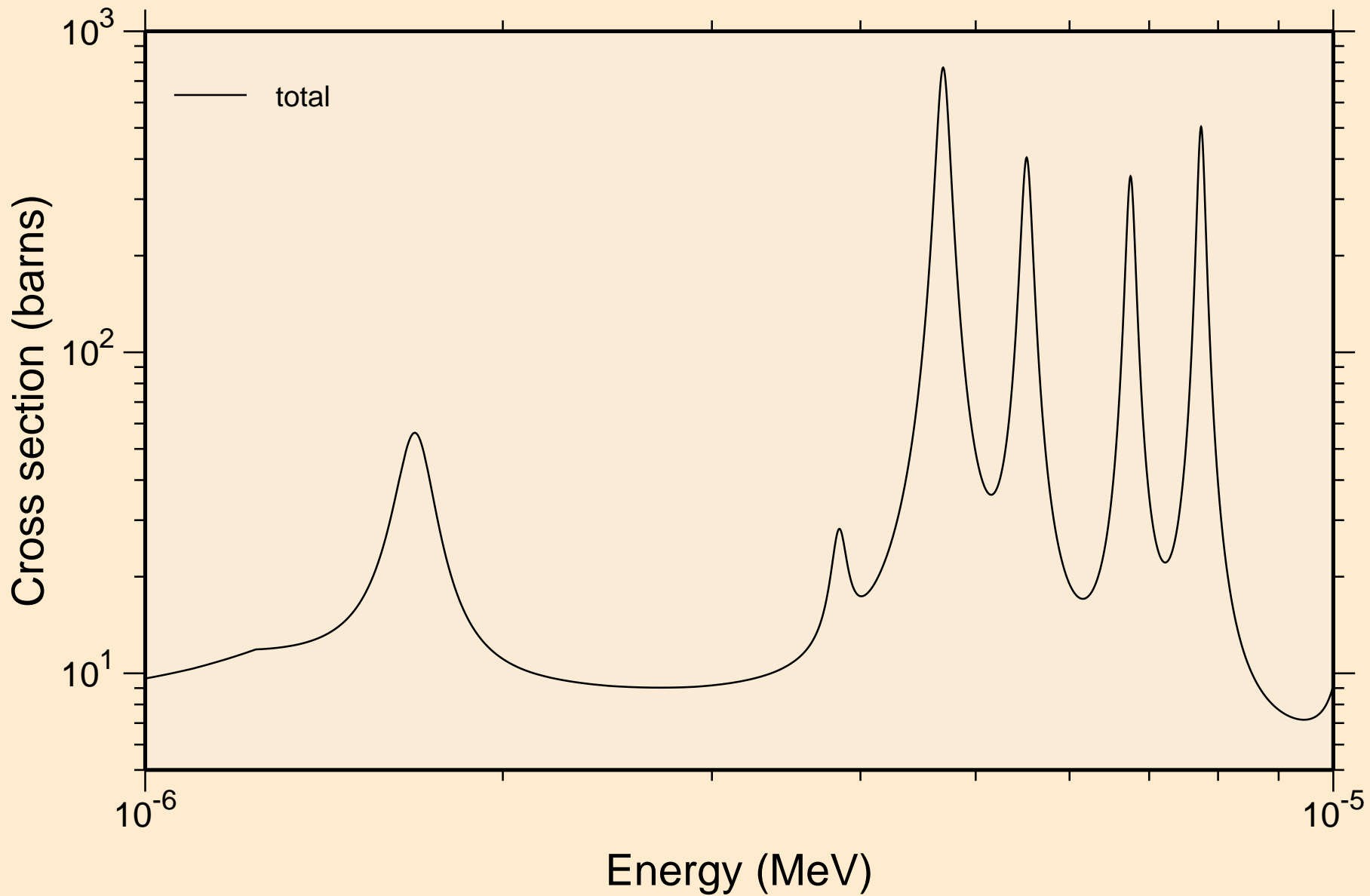


# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

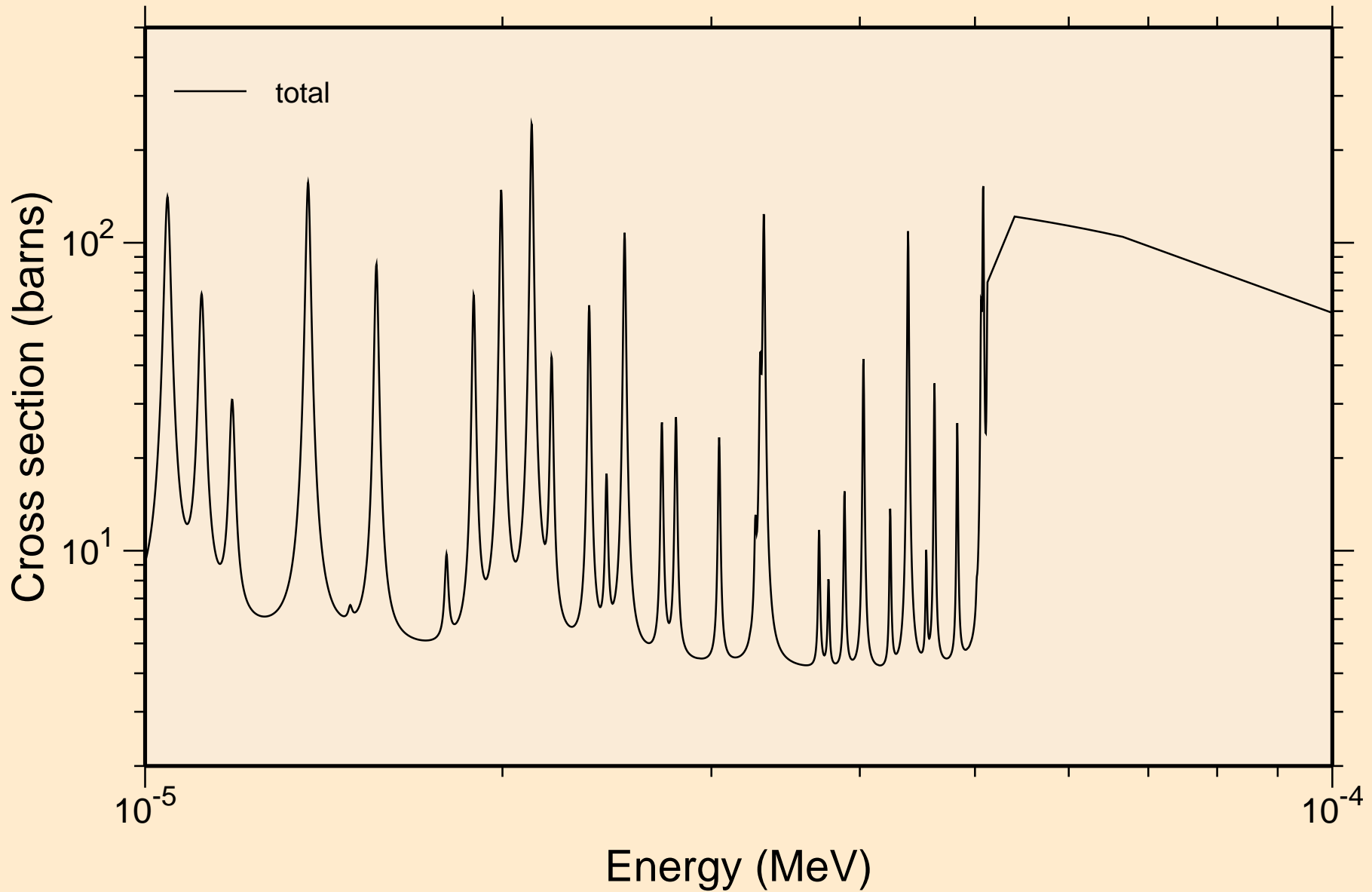
## Principal cross sections



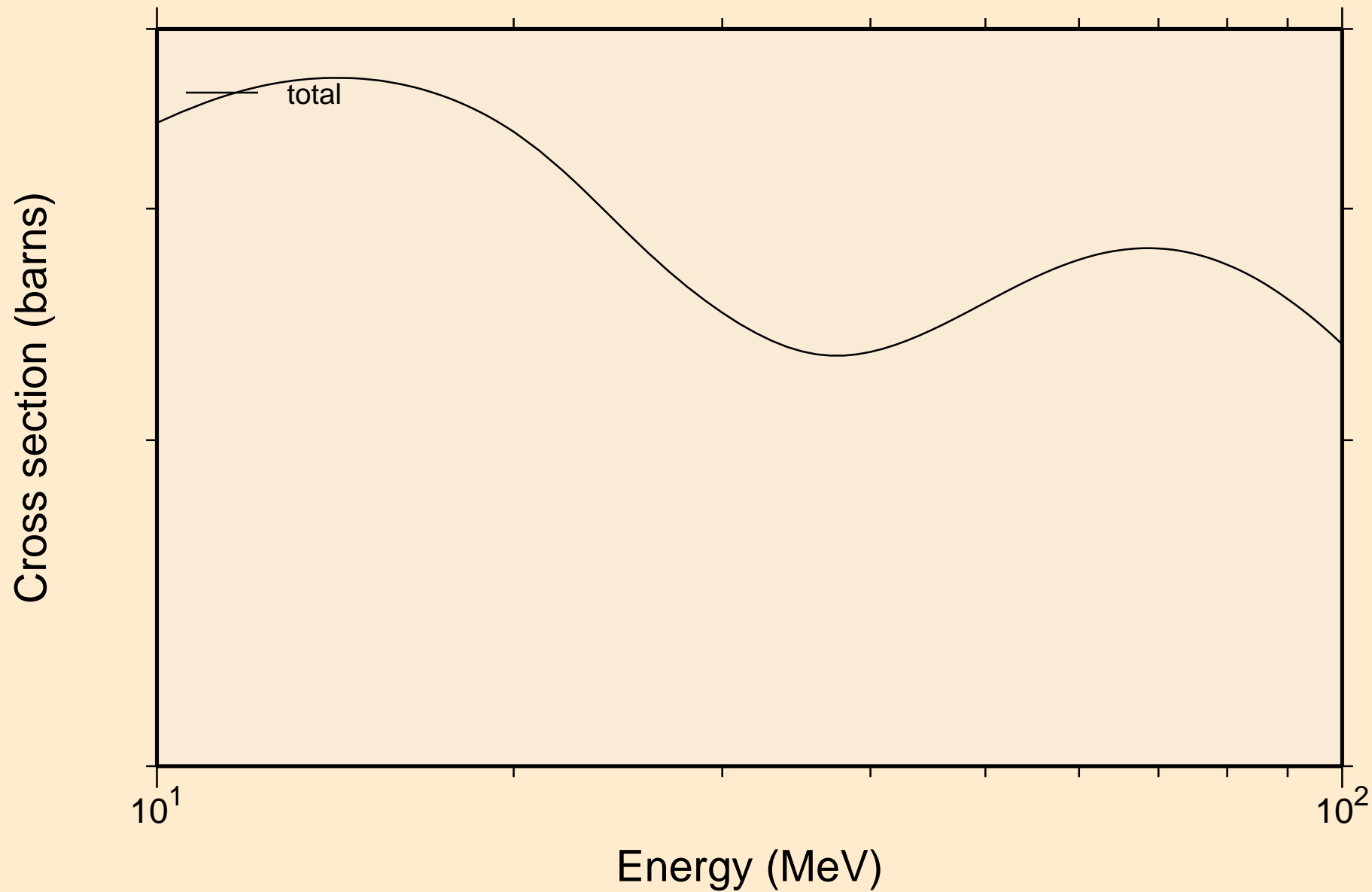
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



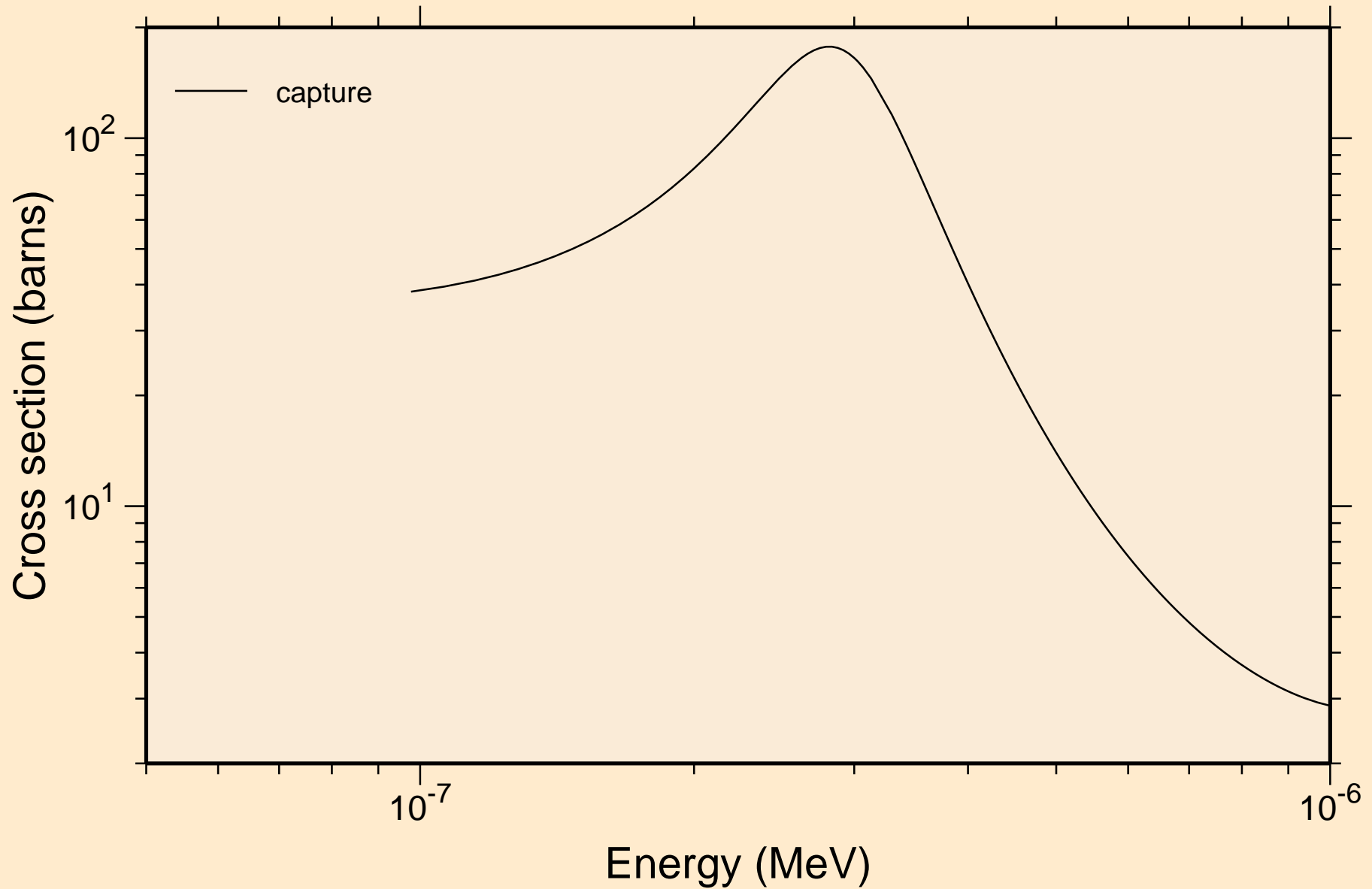
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



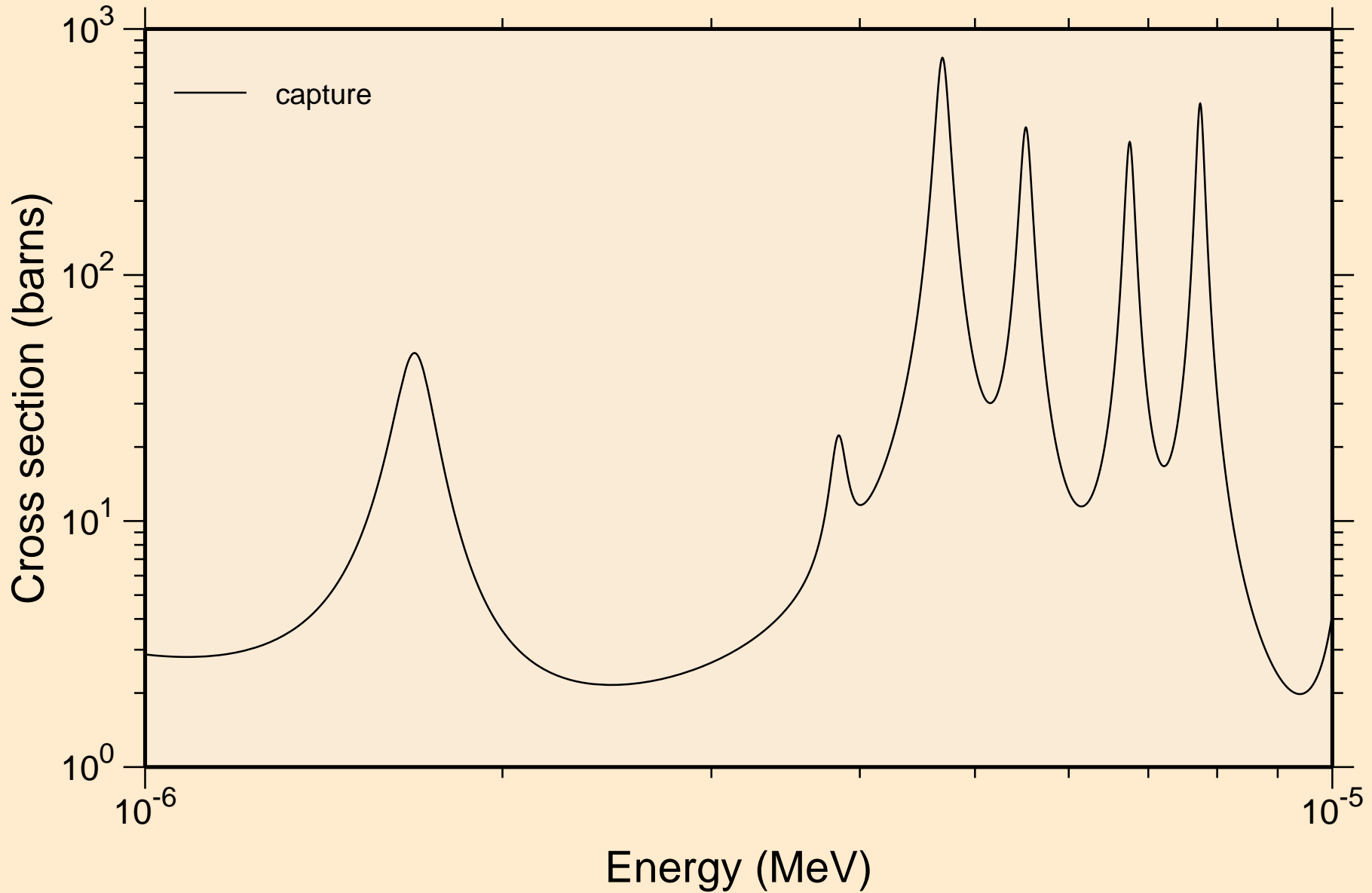
C<sup>128</sup> NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



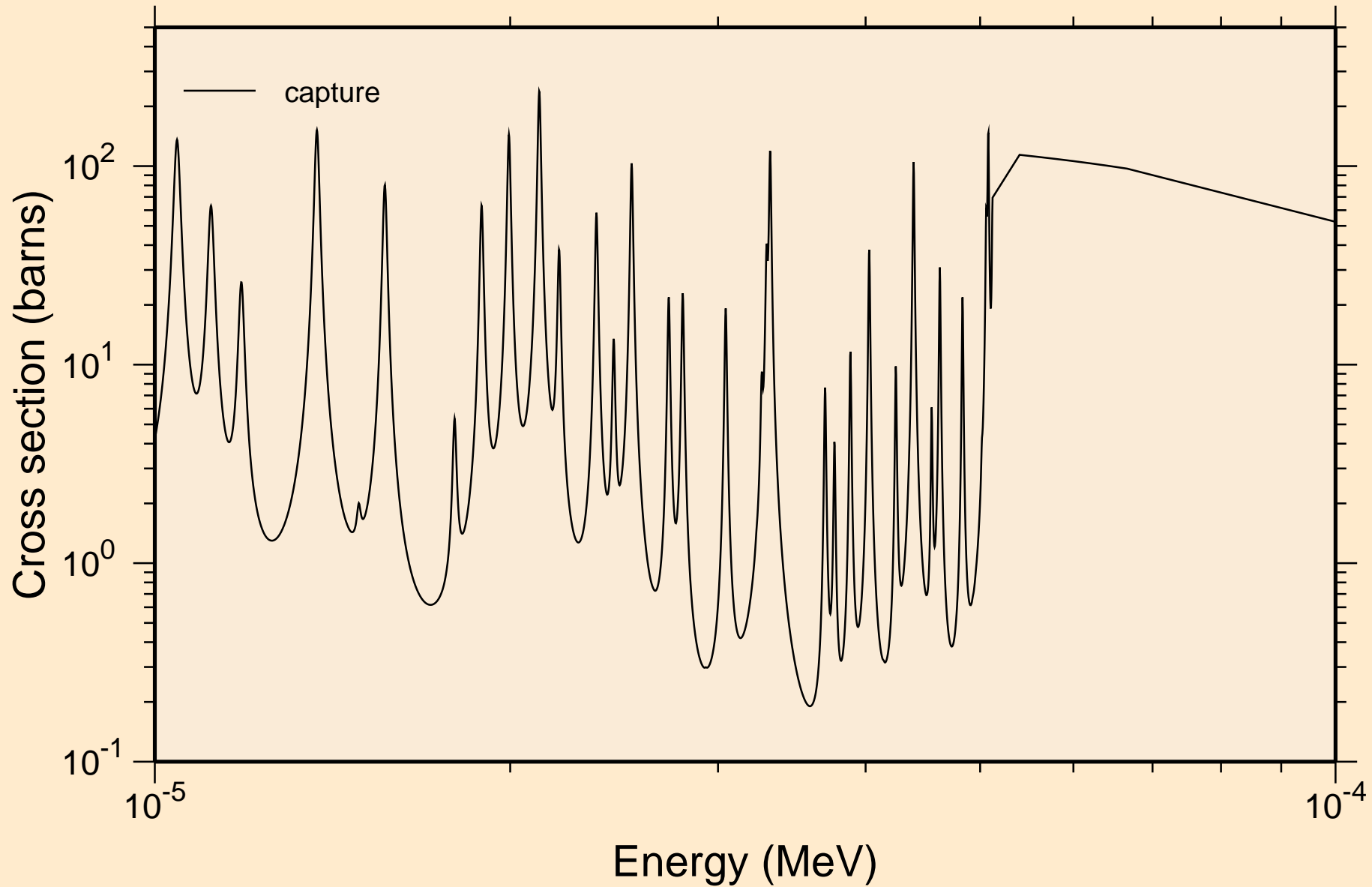
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



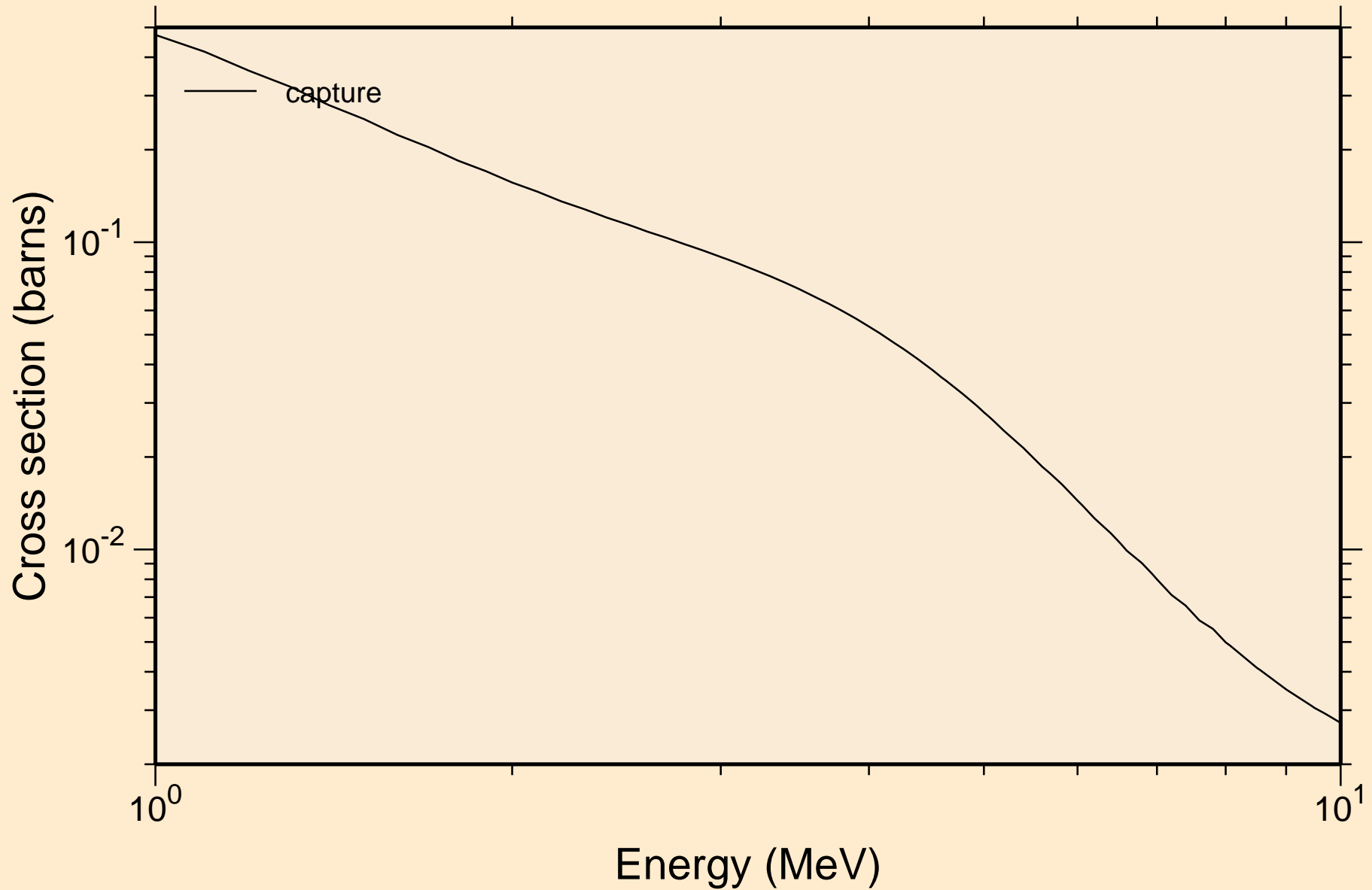
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

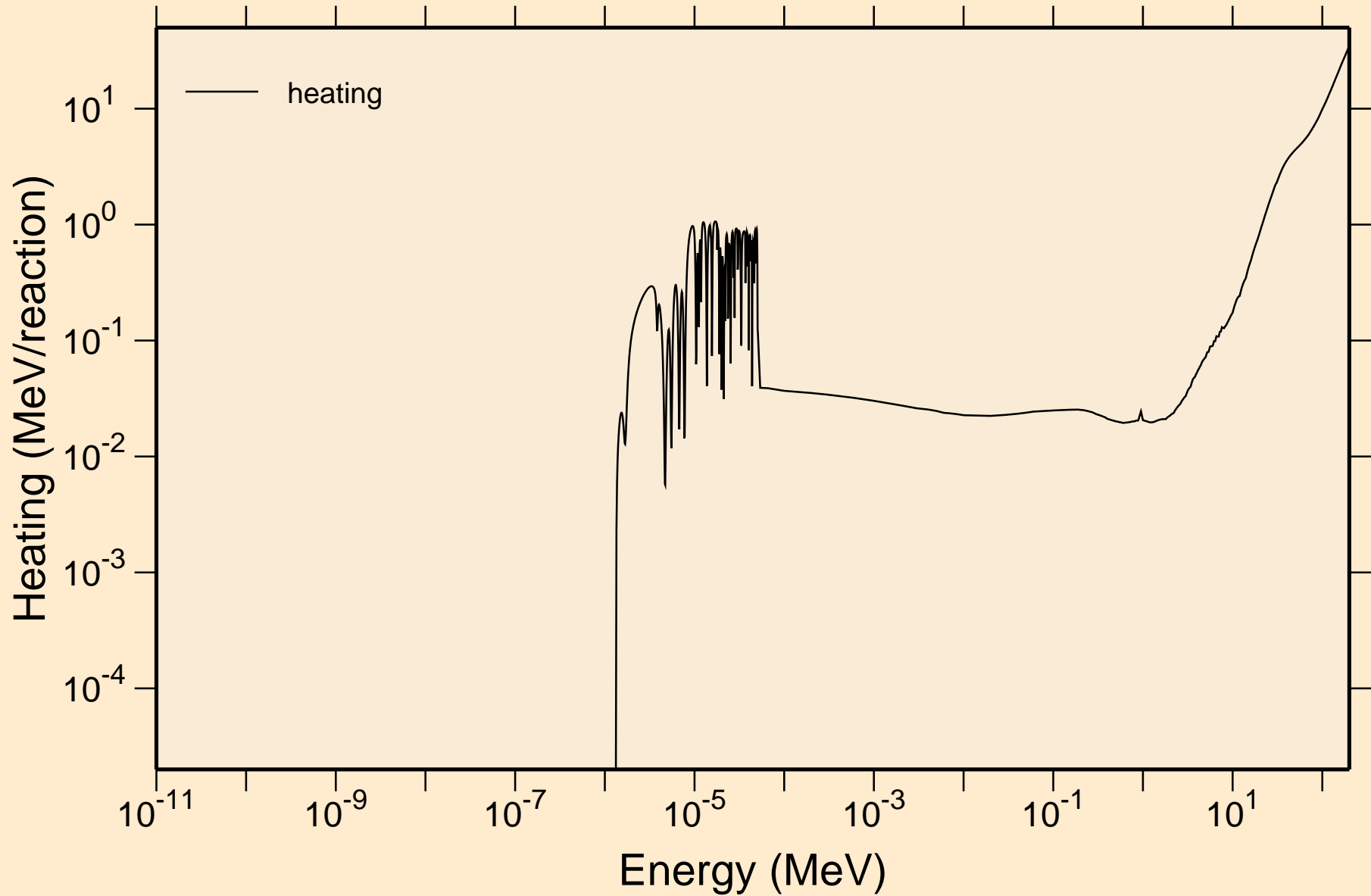


CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



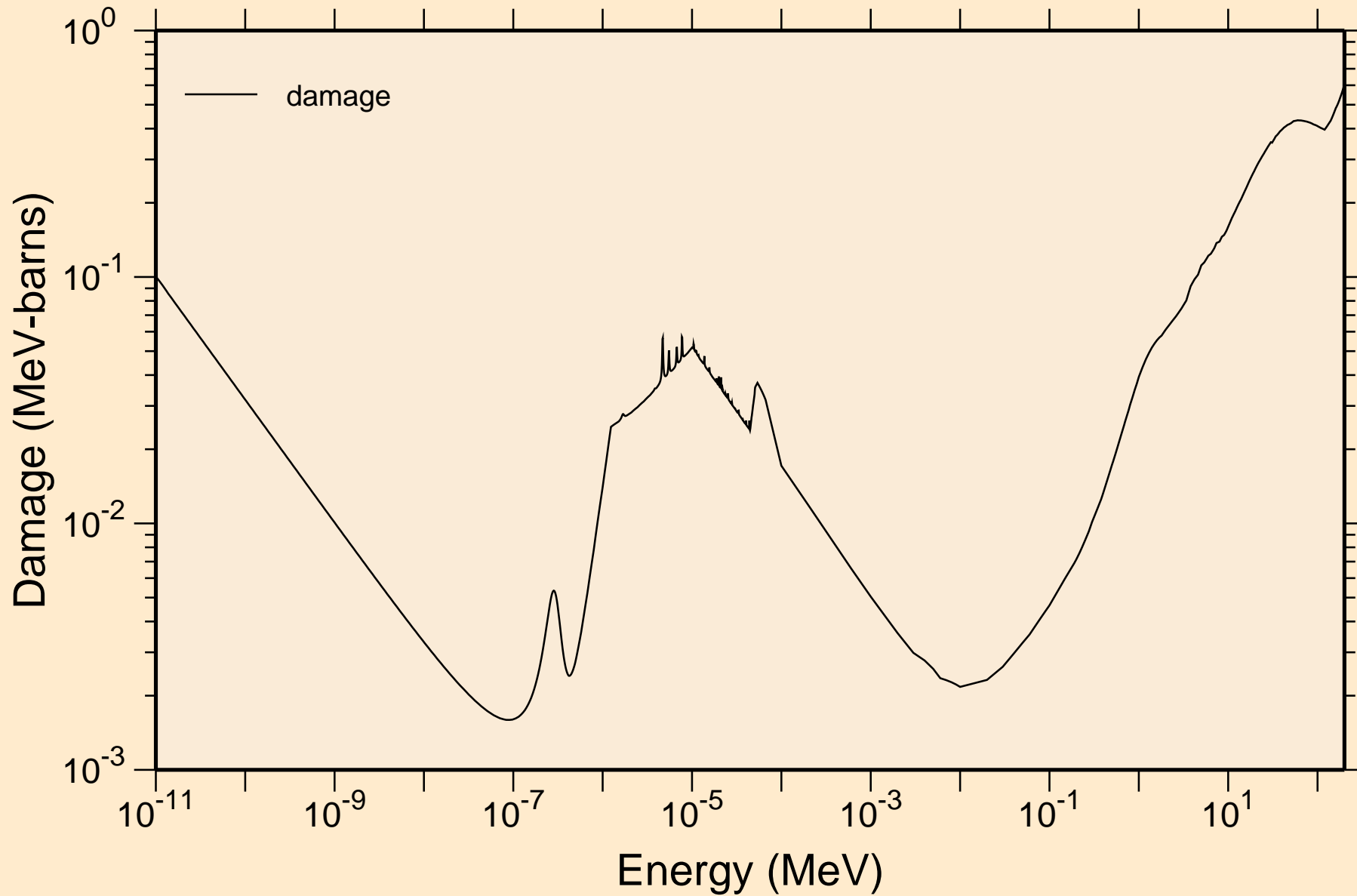
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

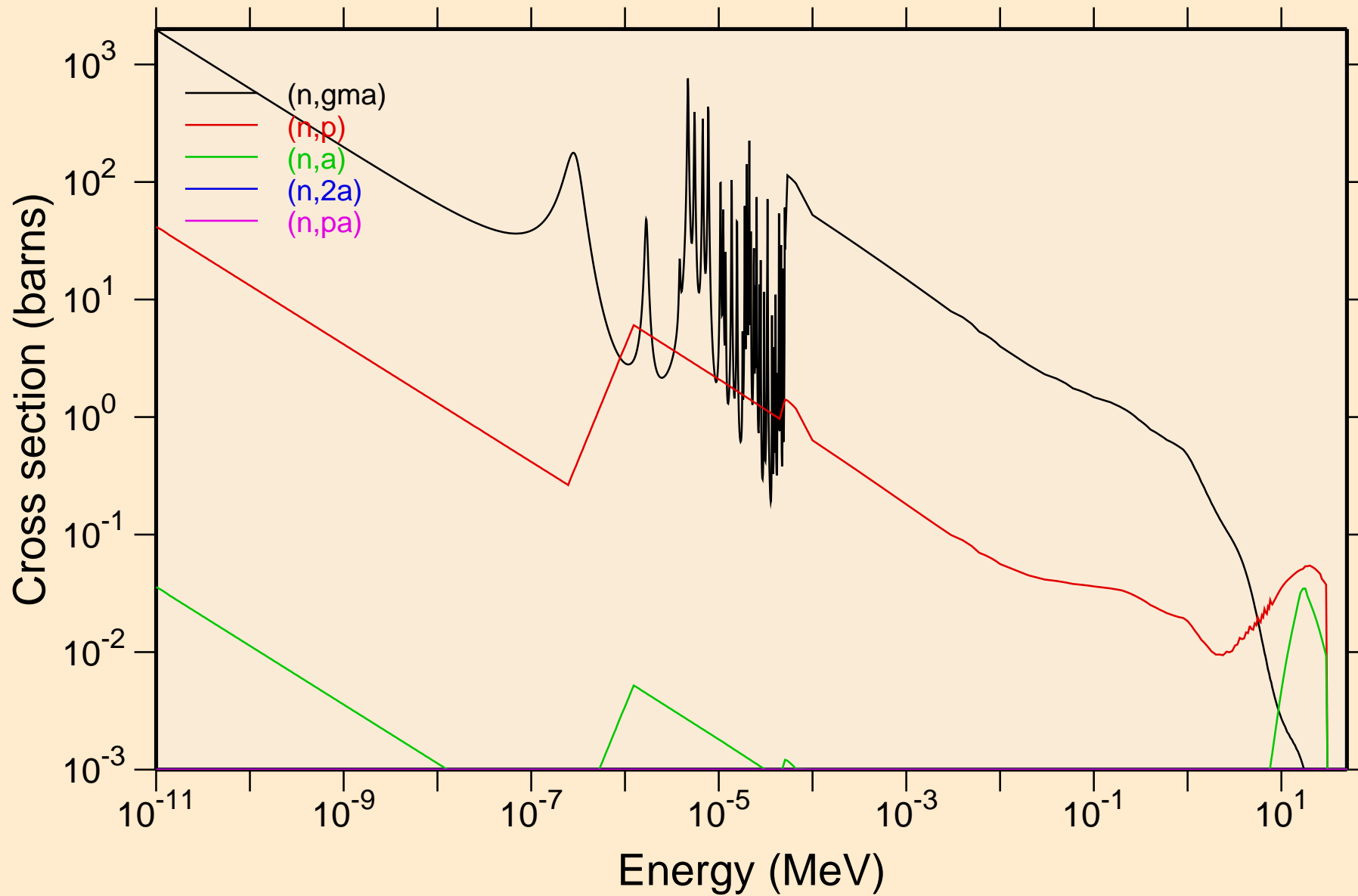


# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

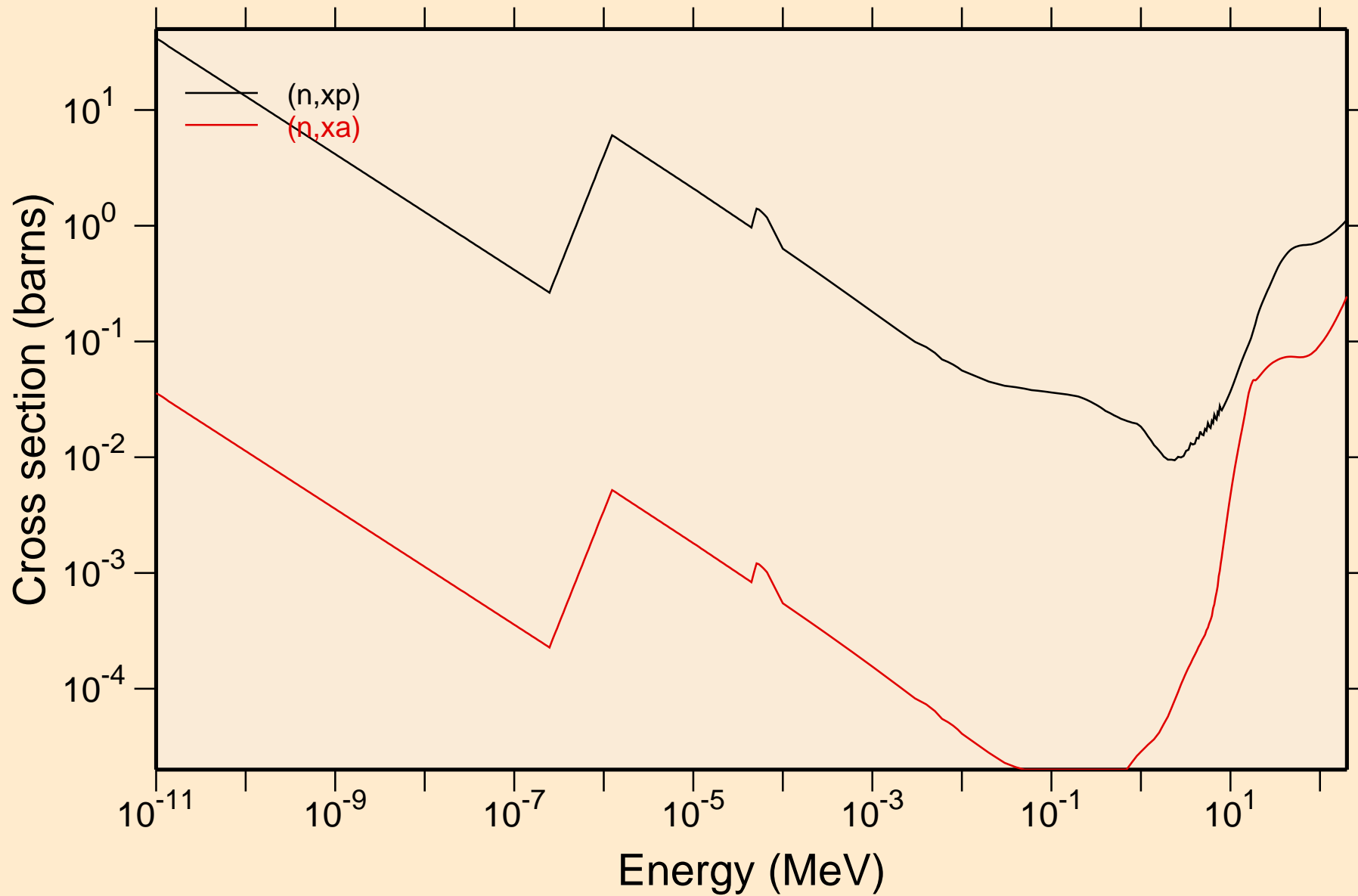
## Damage



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

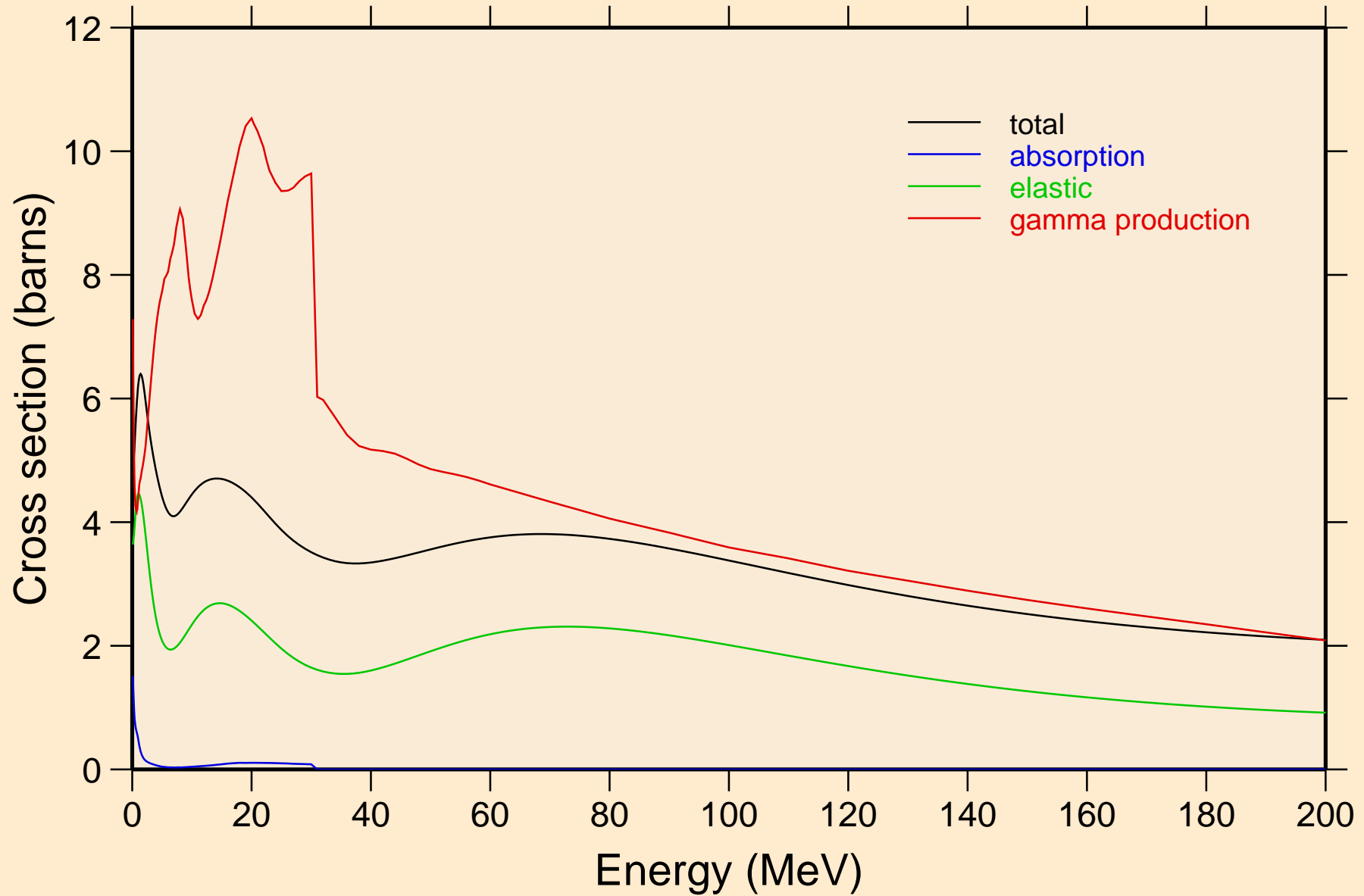


CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



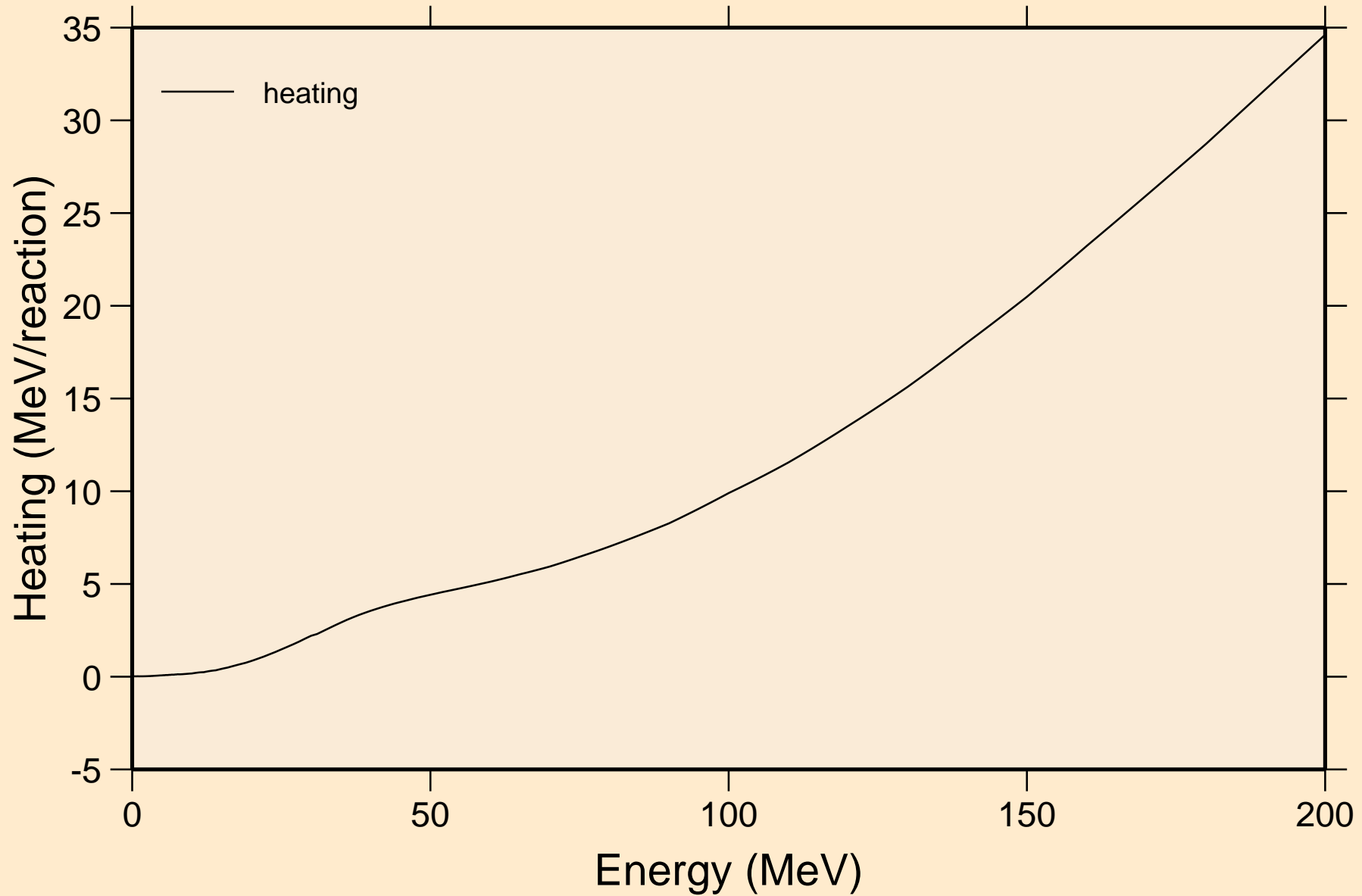
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



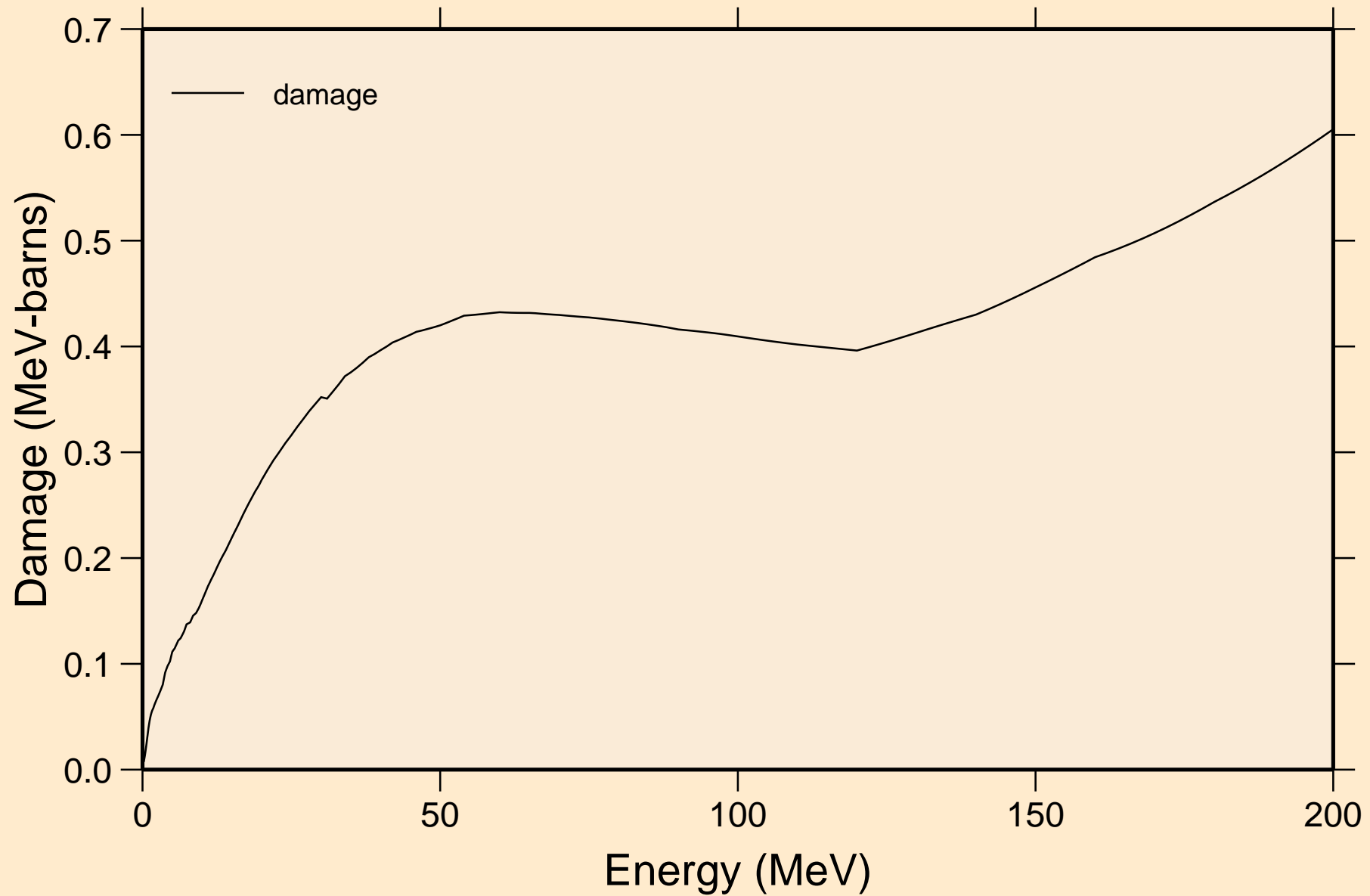
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



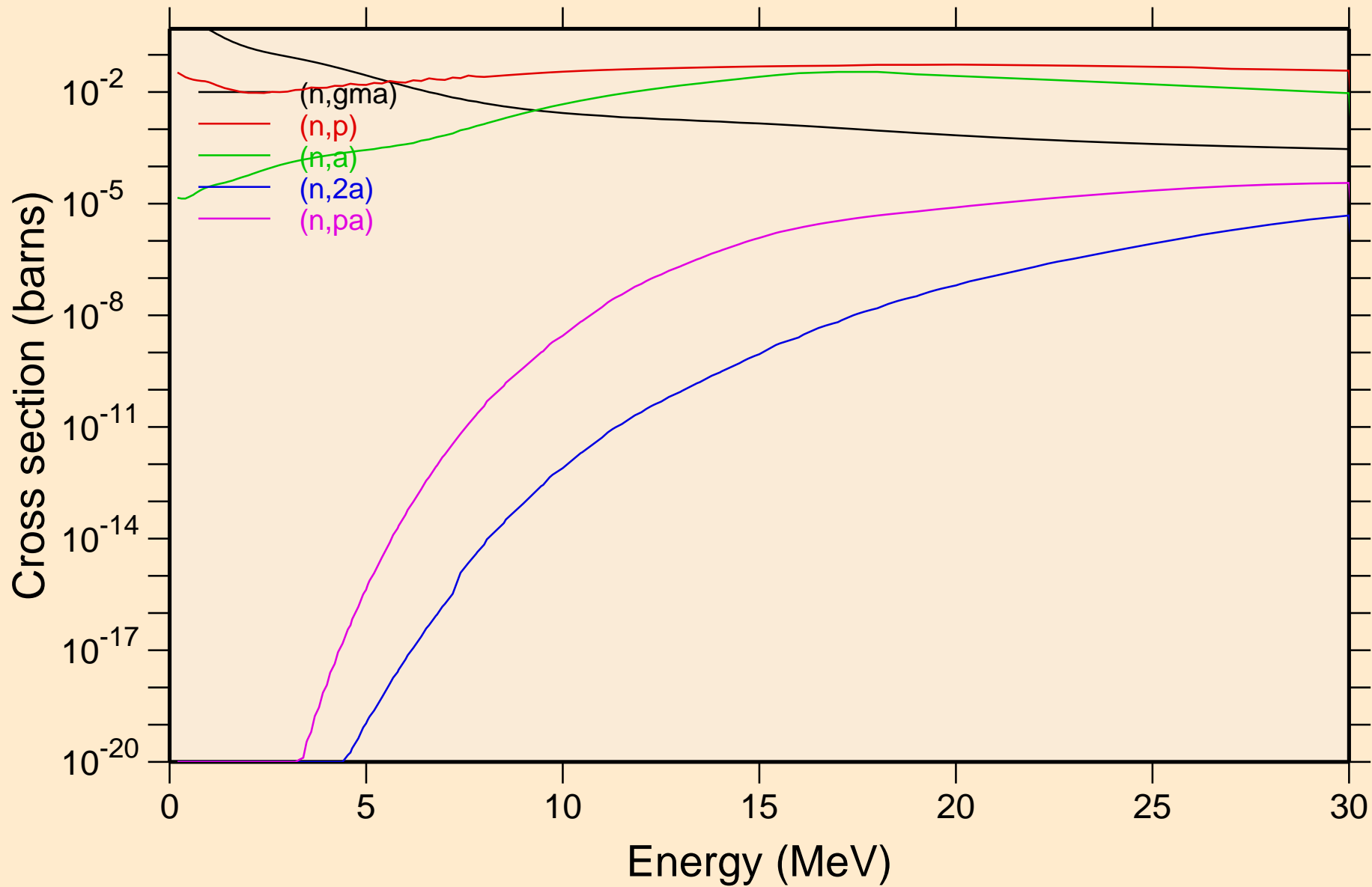
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

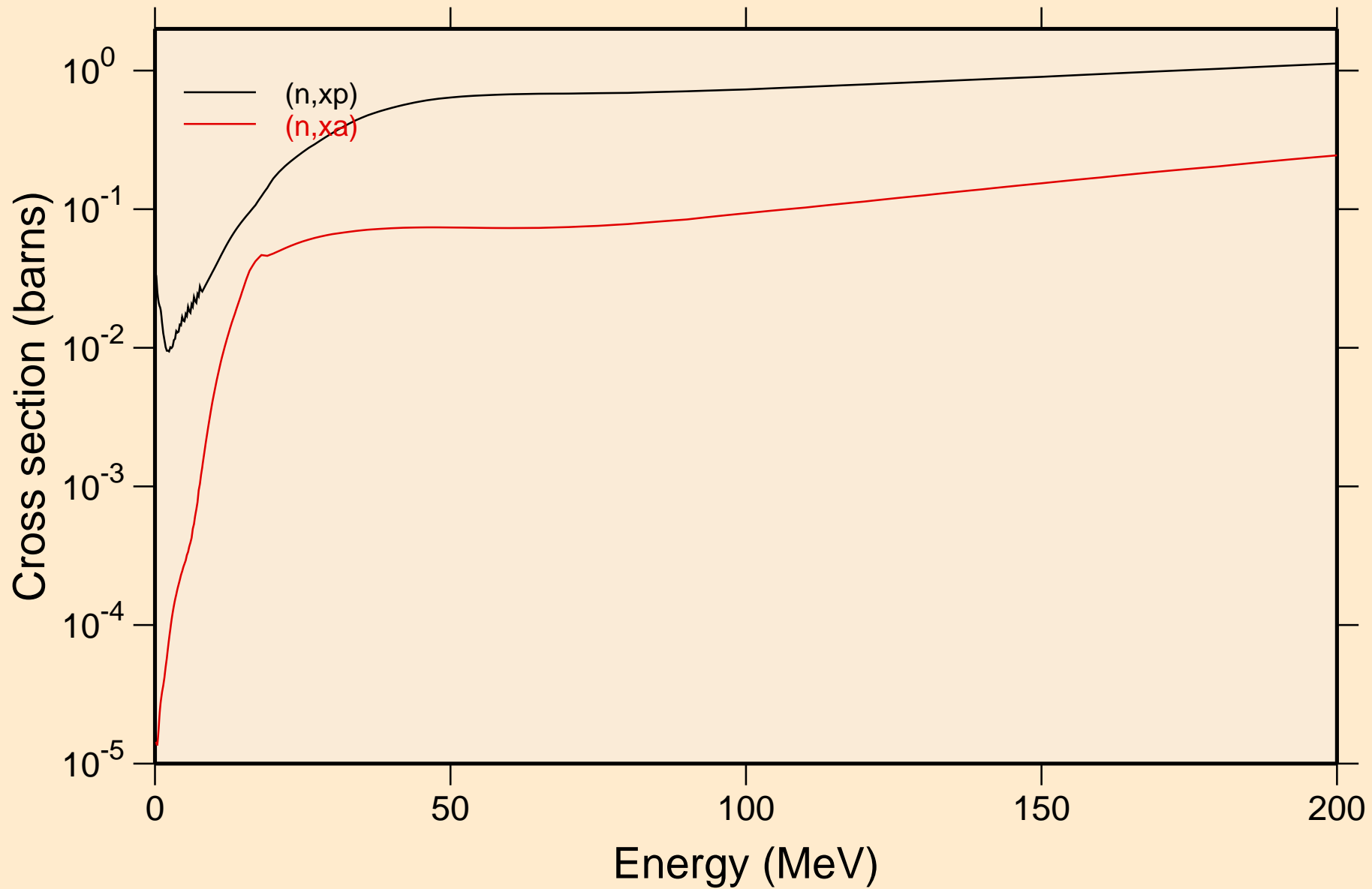


# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

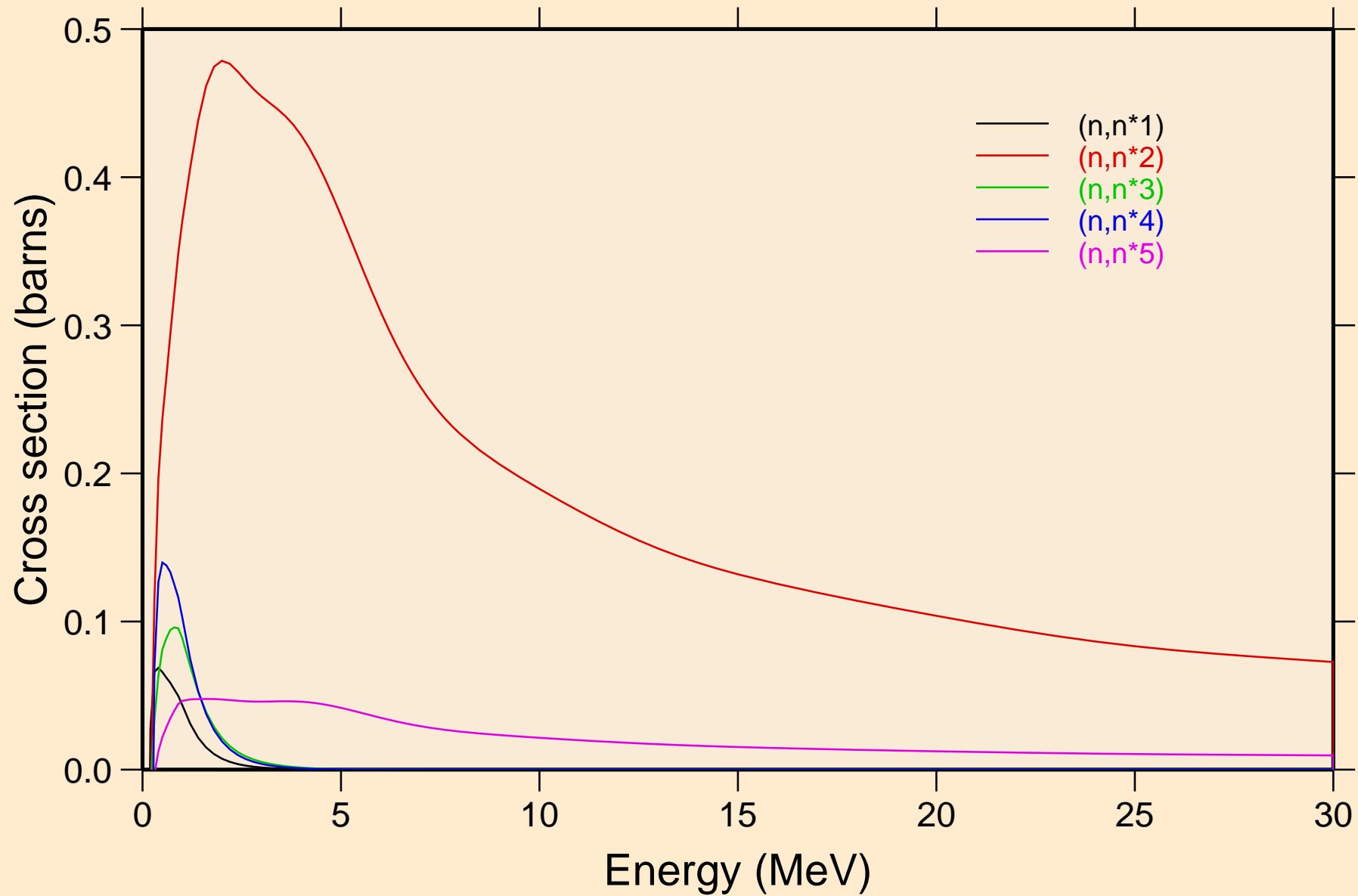
## Non-threshold reactions



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

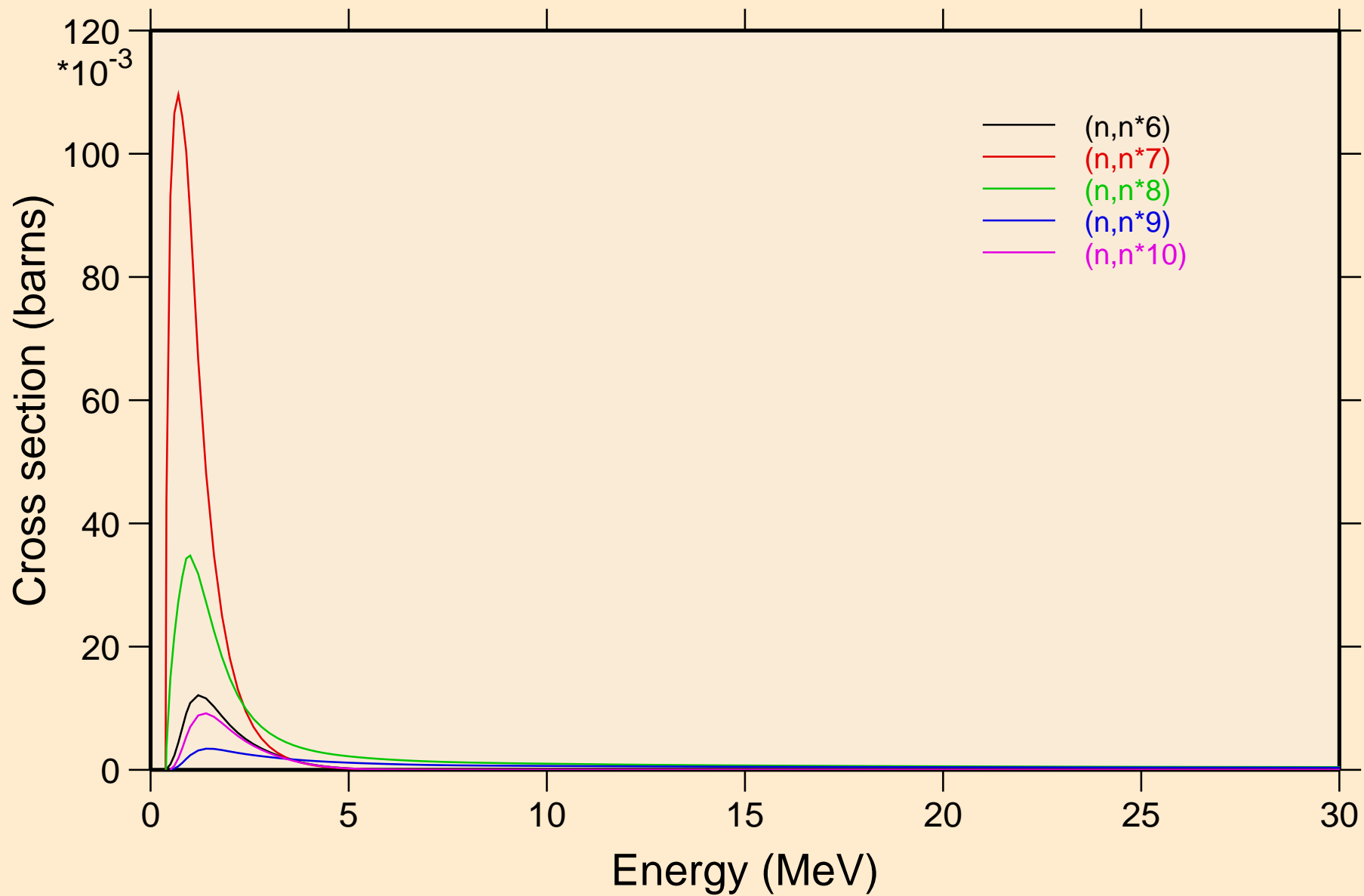


CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

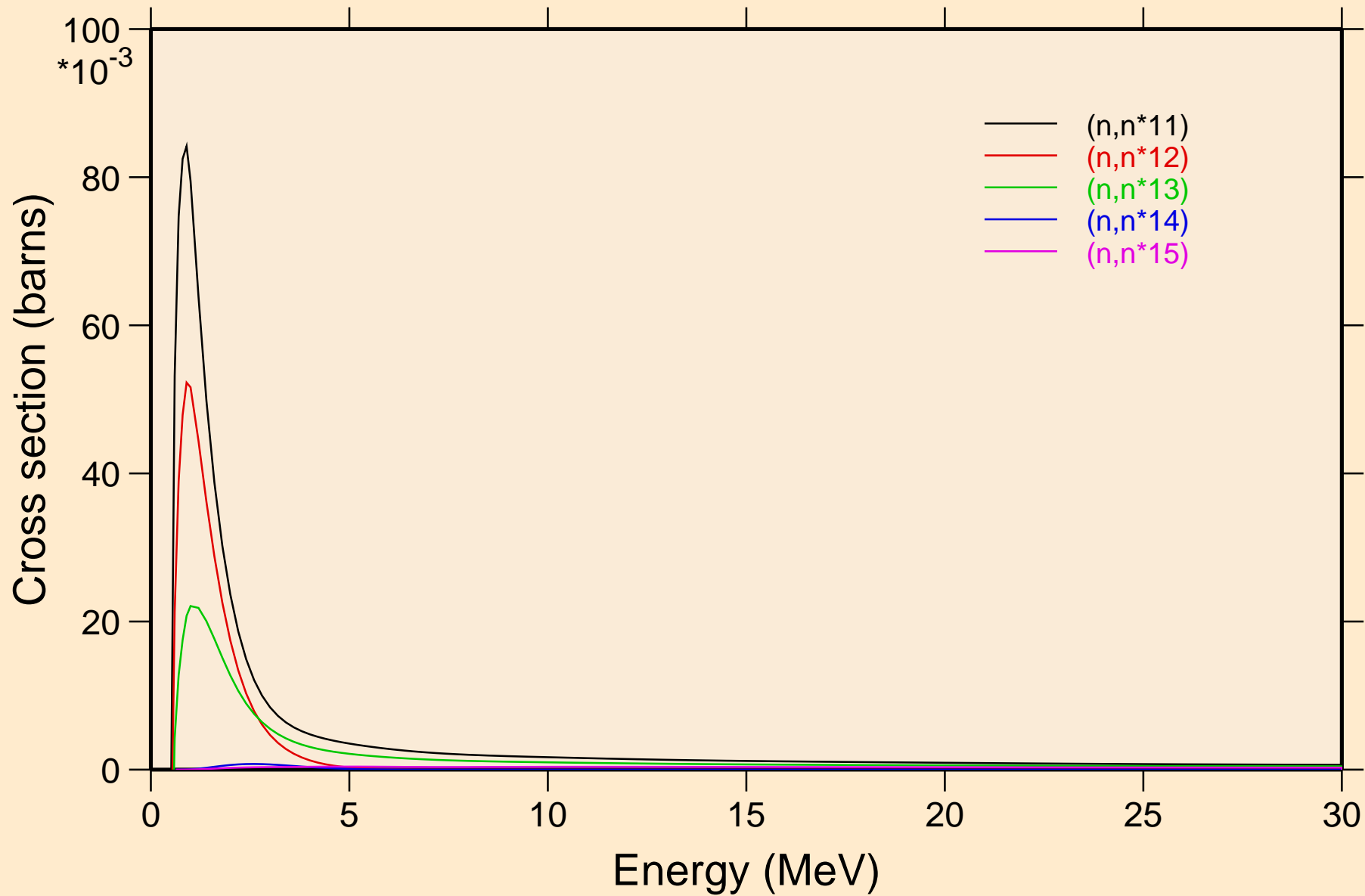


# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

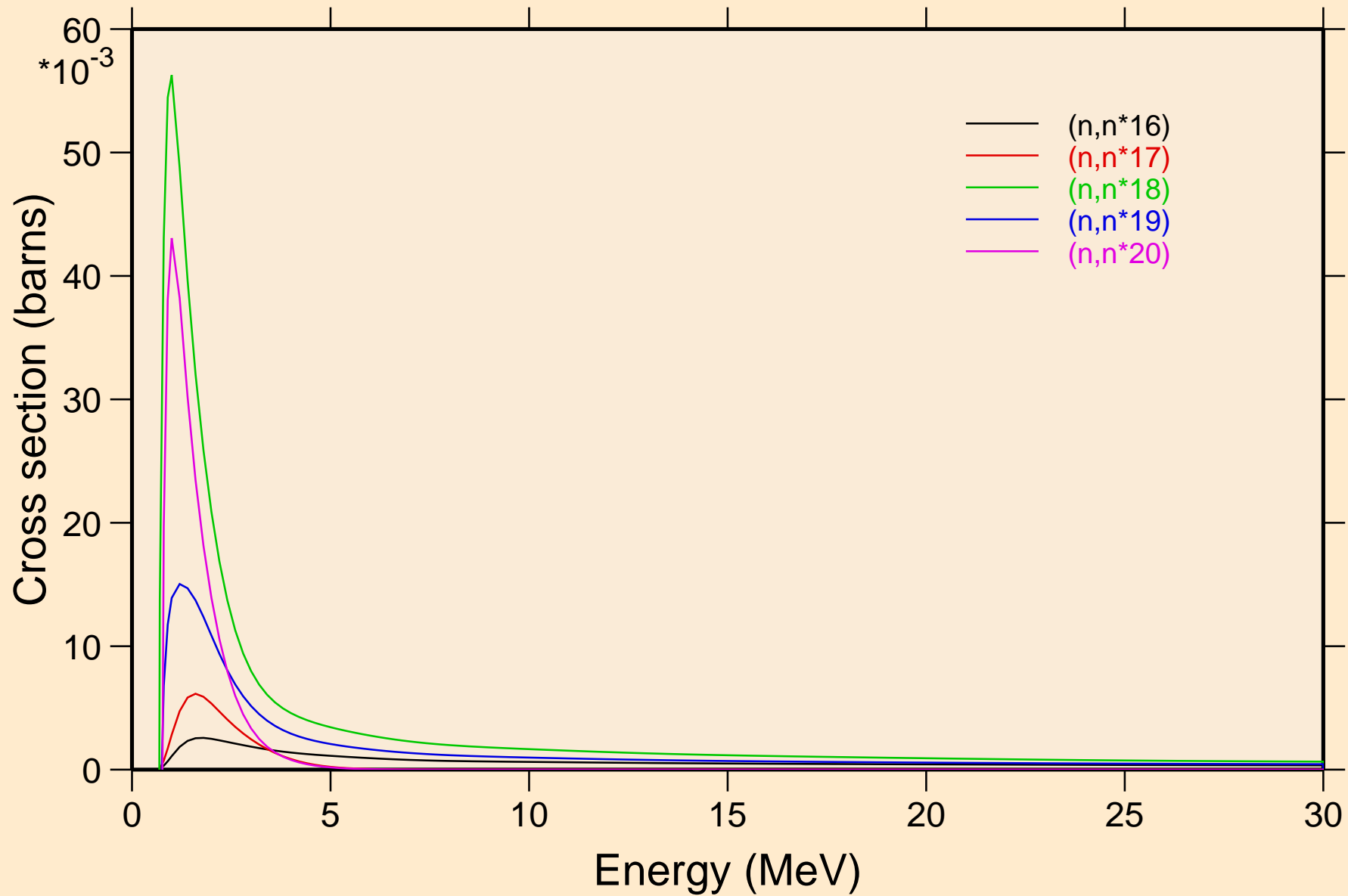


CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



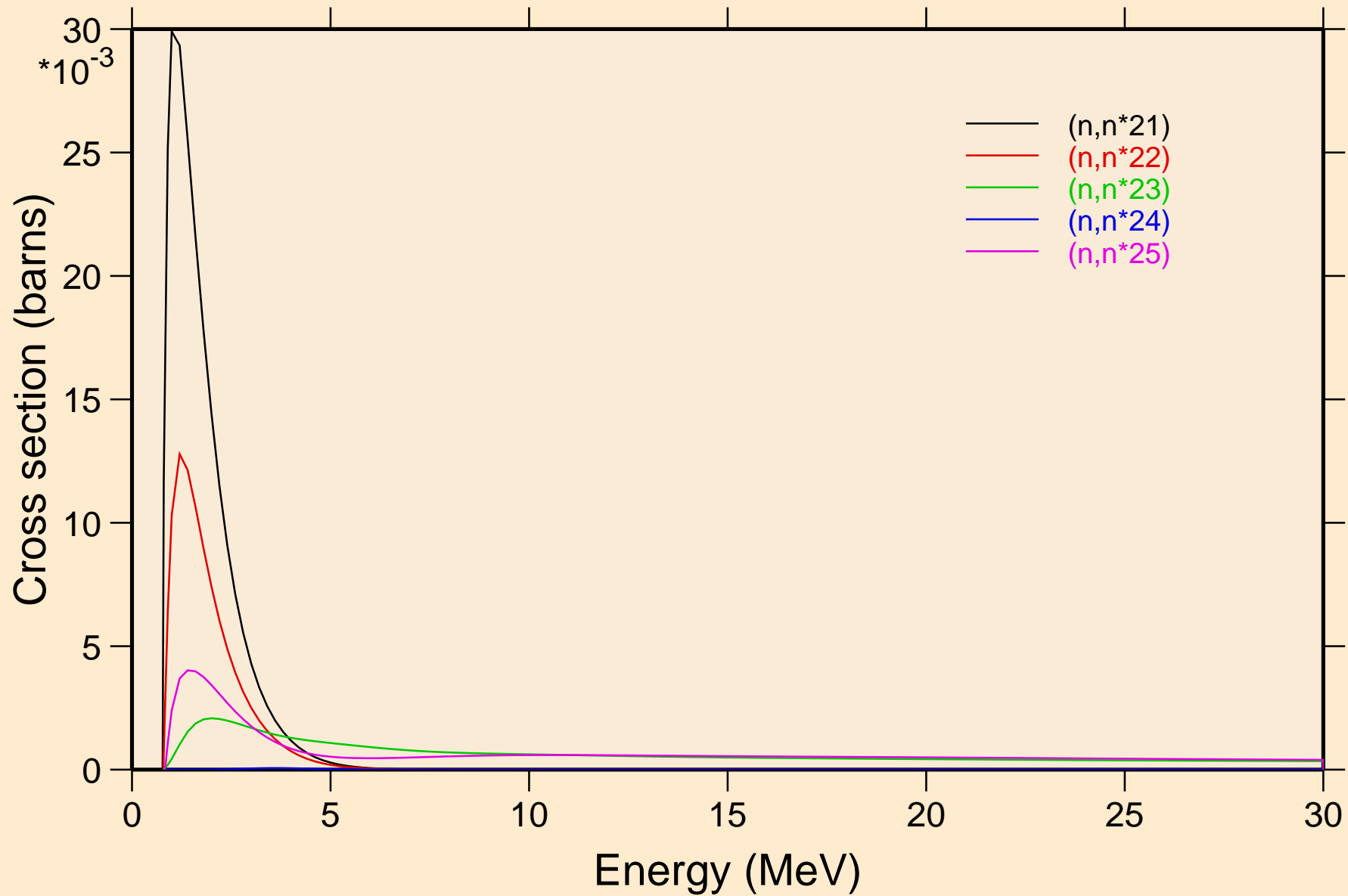
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



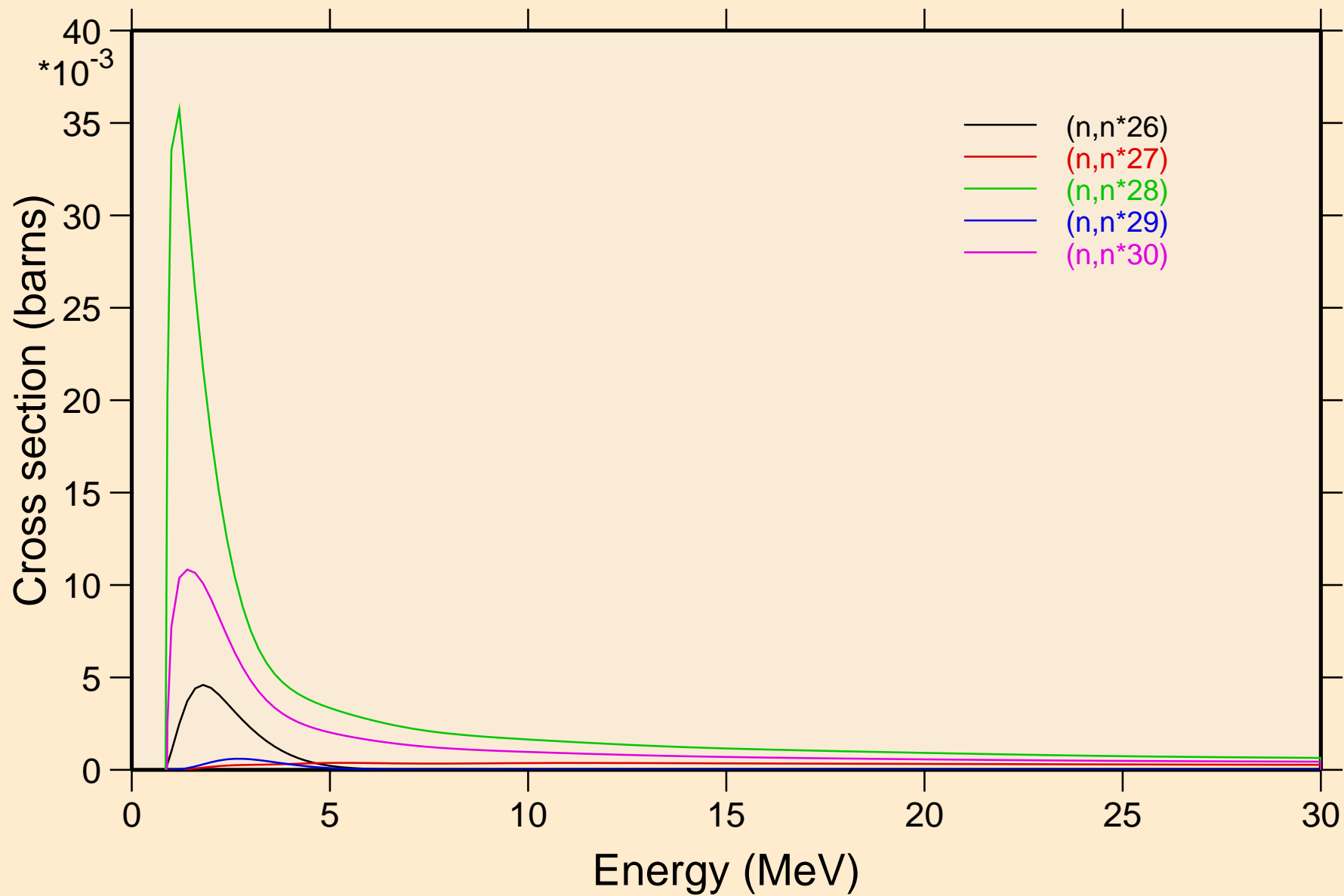
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



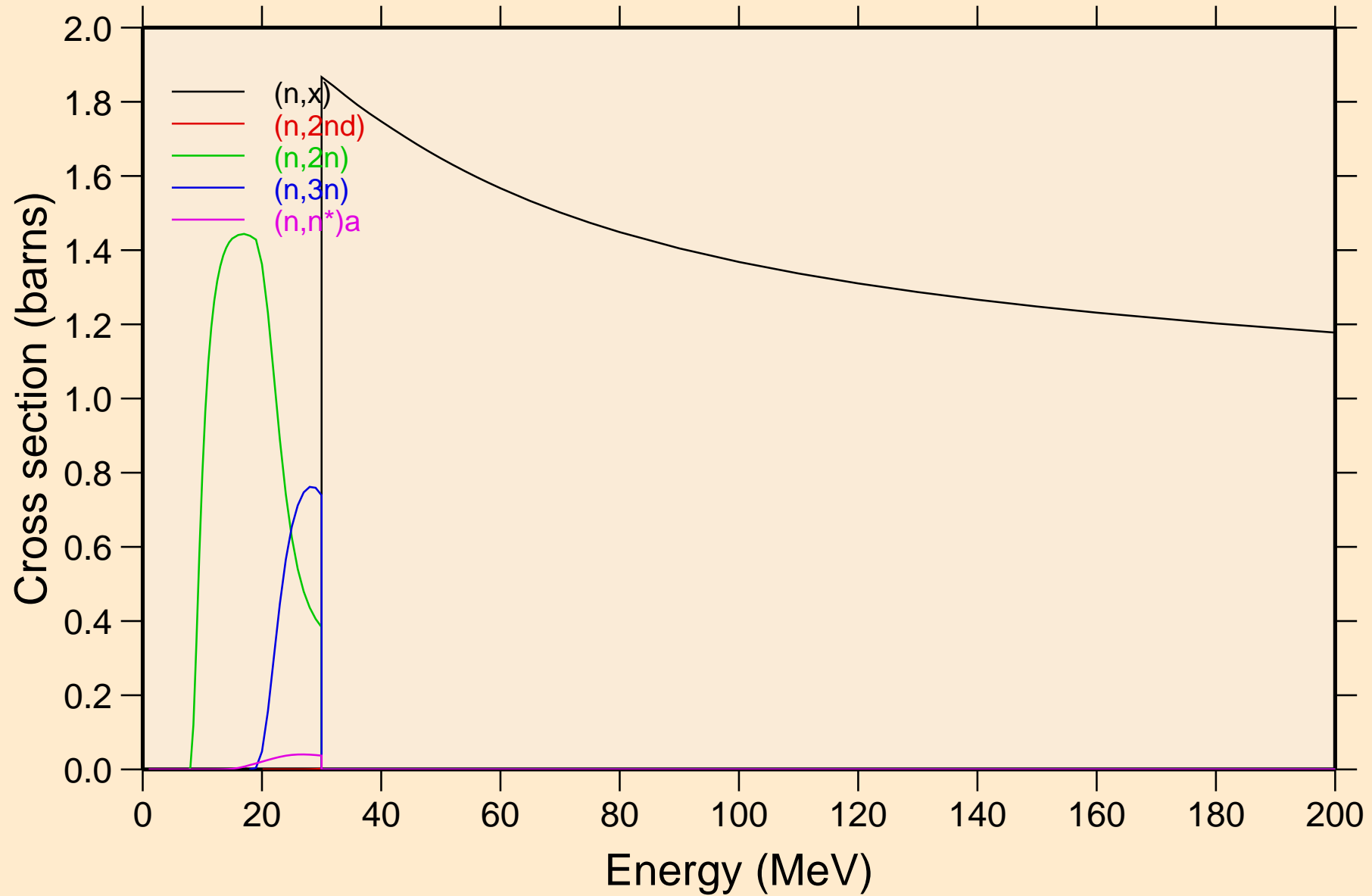
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



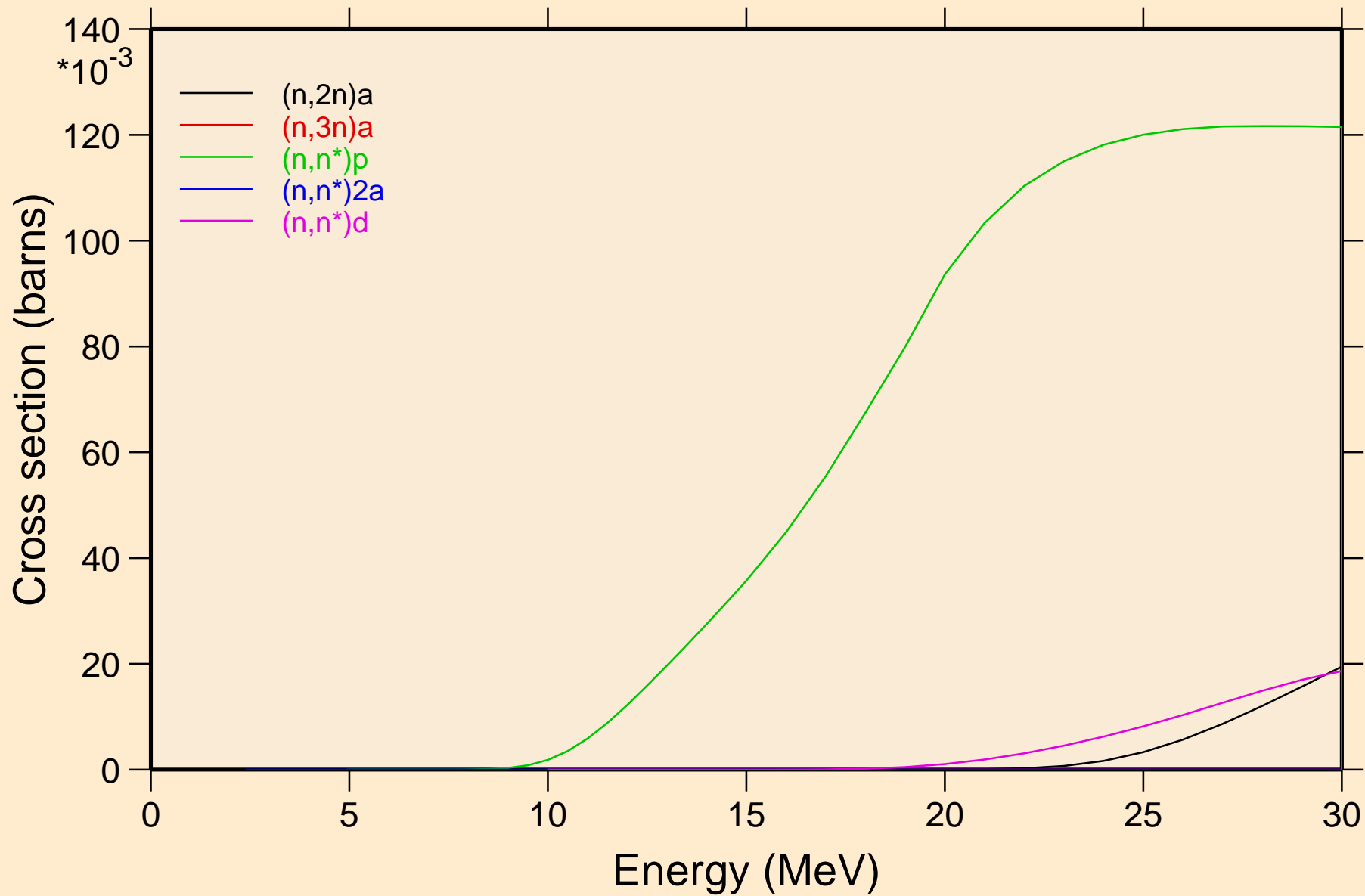
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



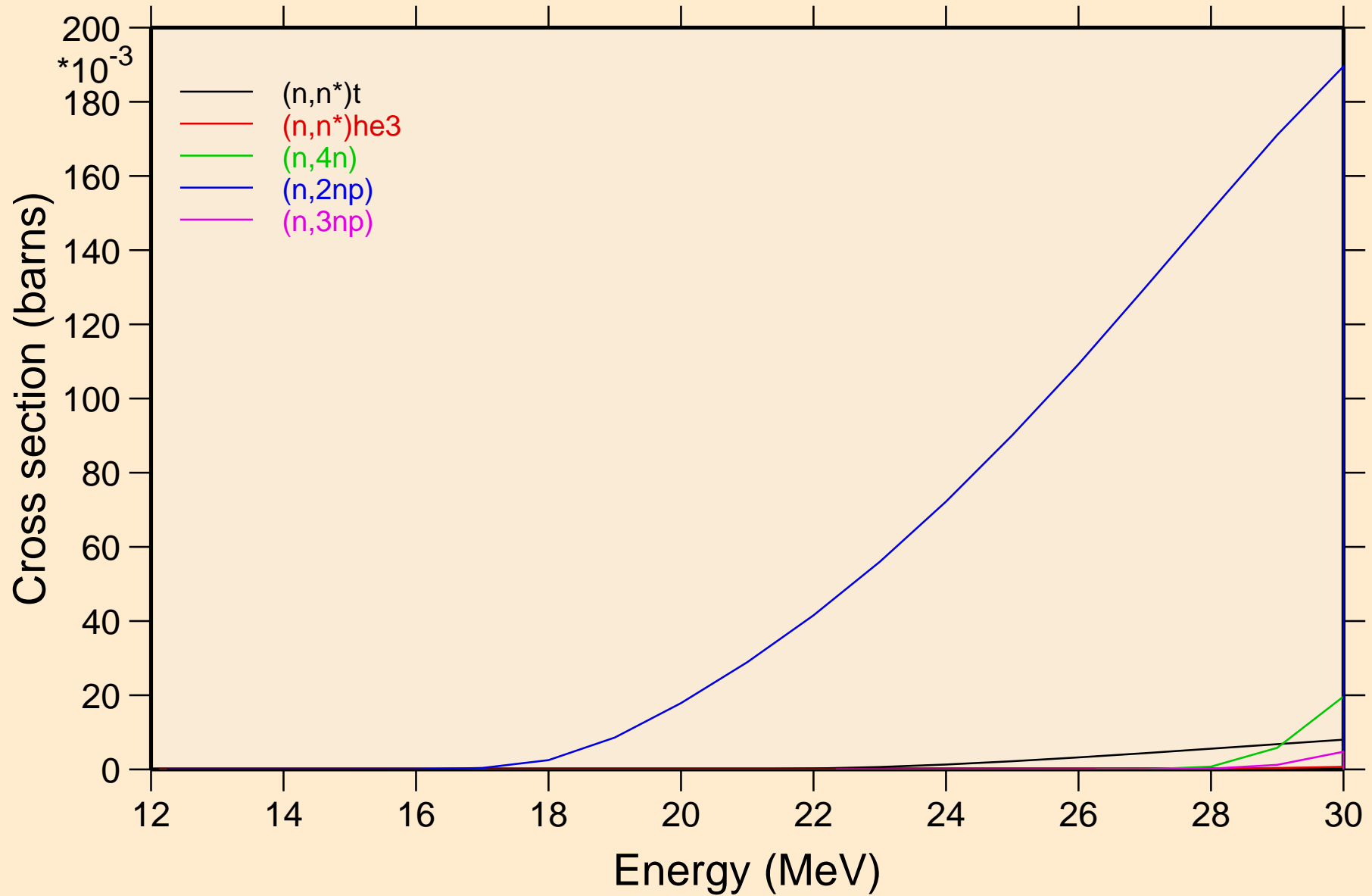
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



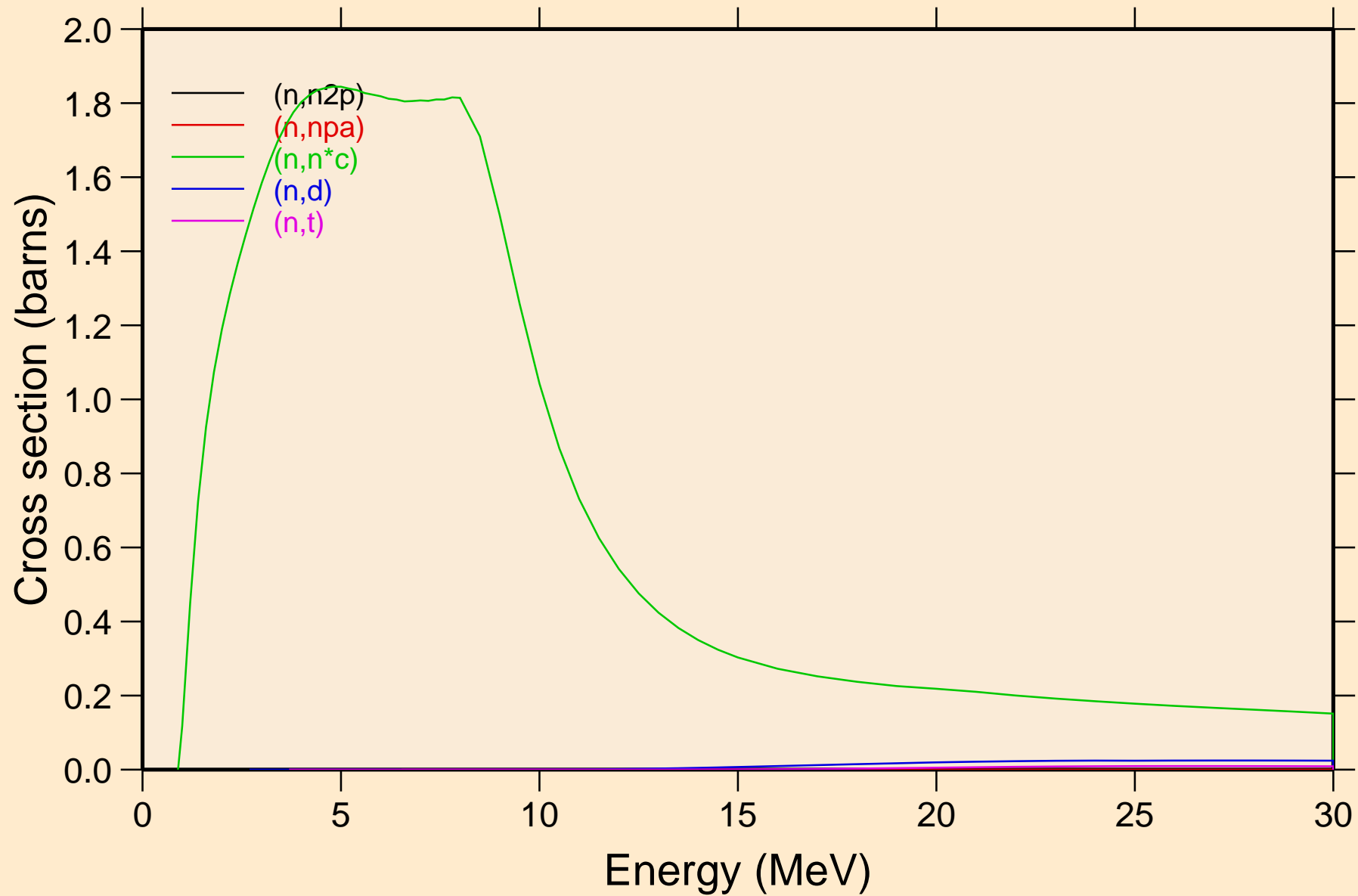
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



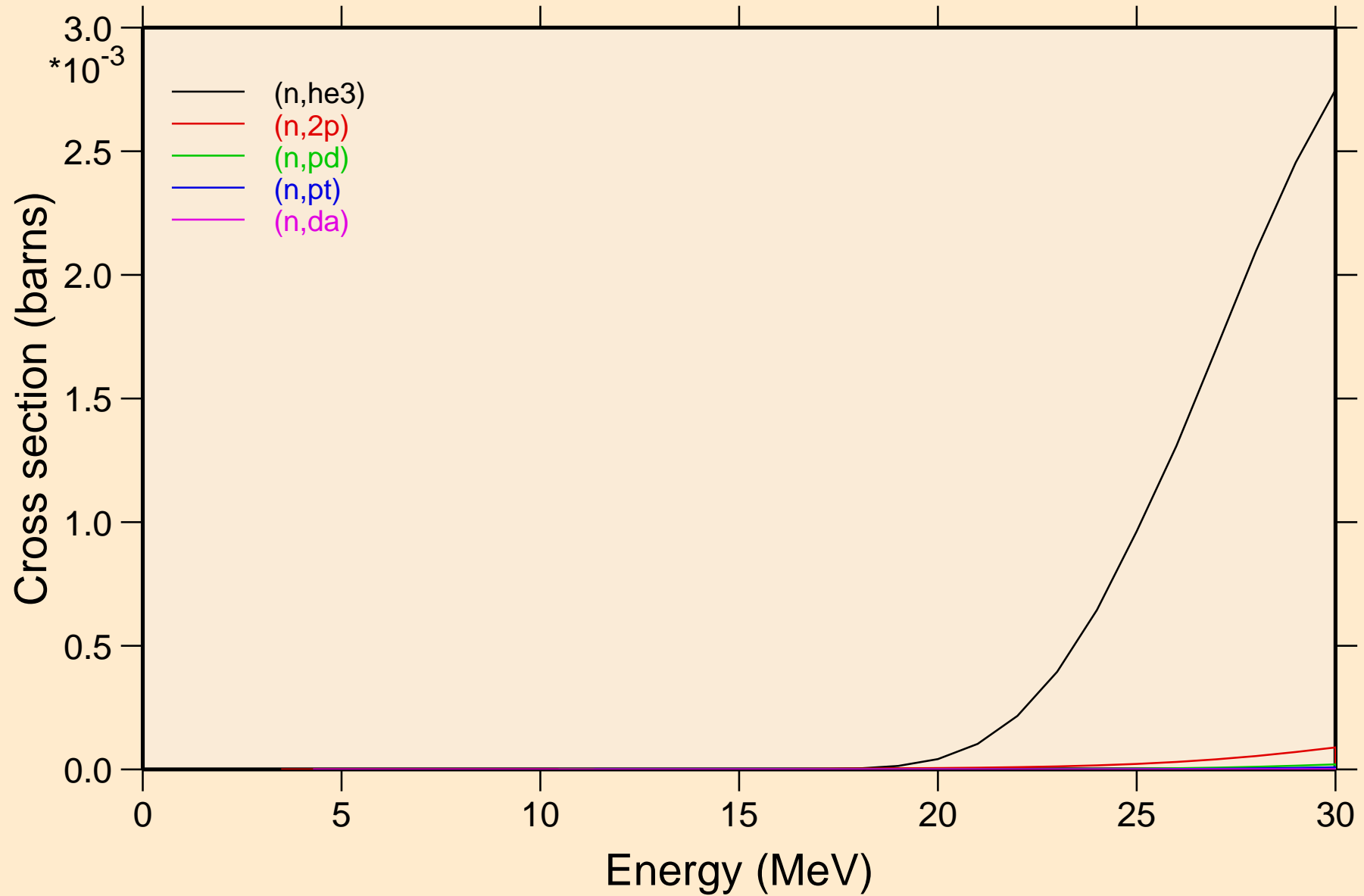
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



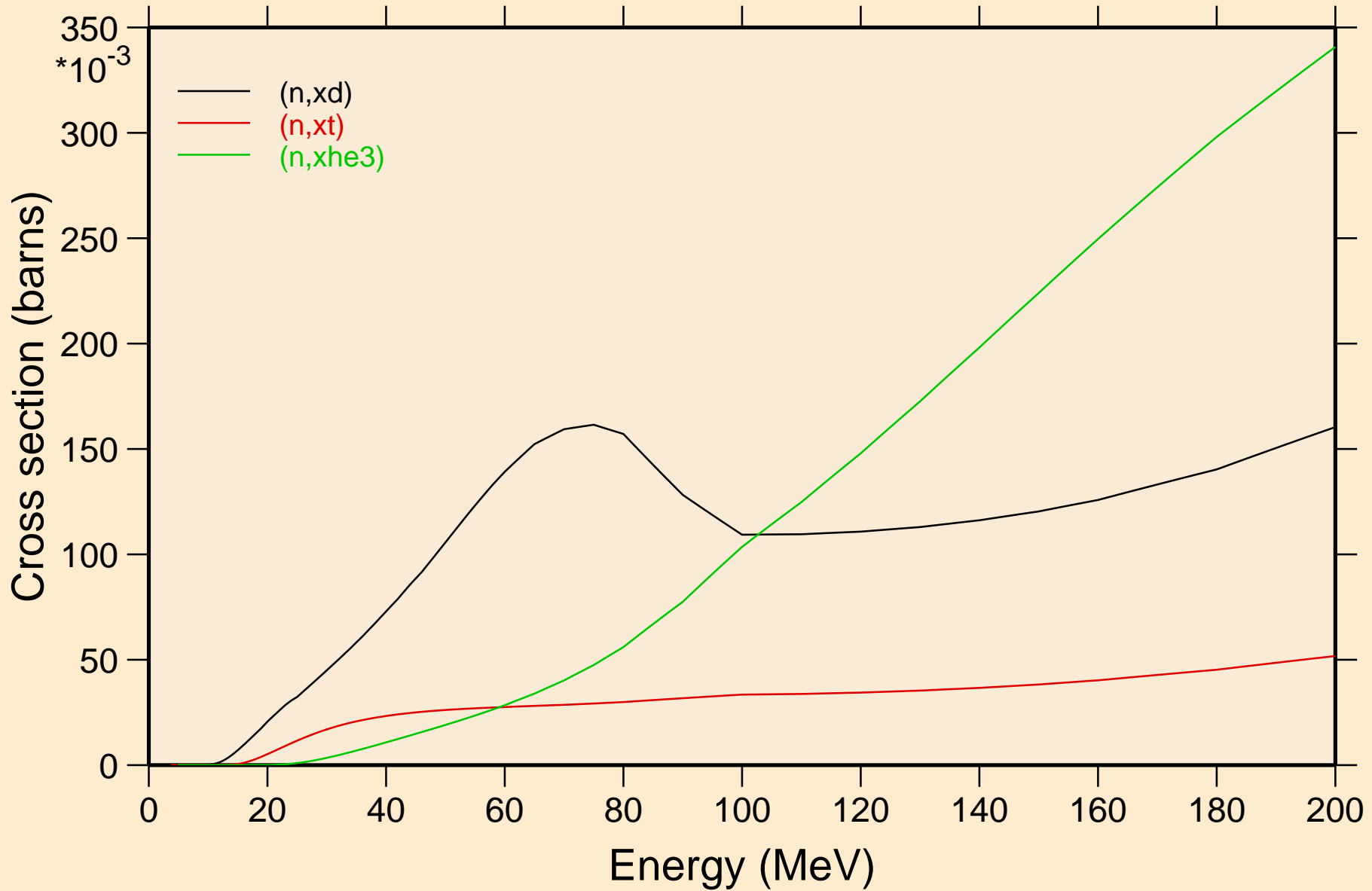
# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

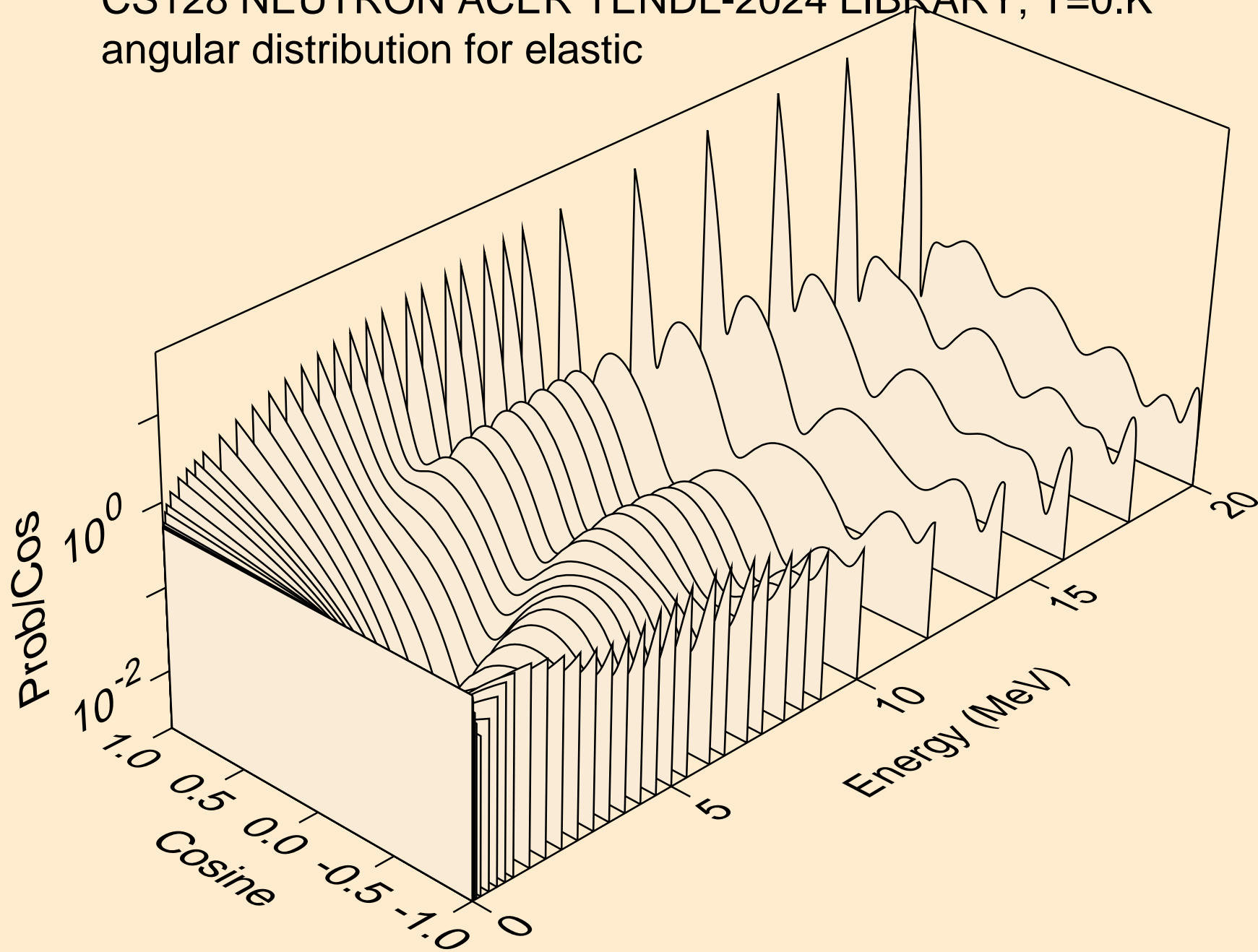


# CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

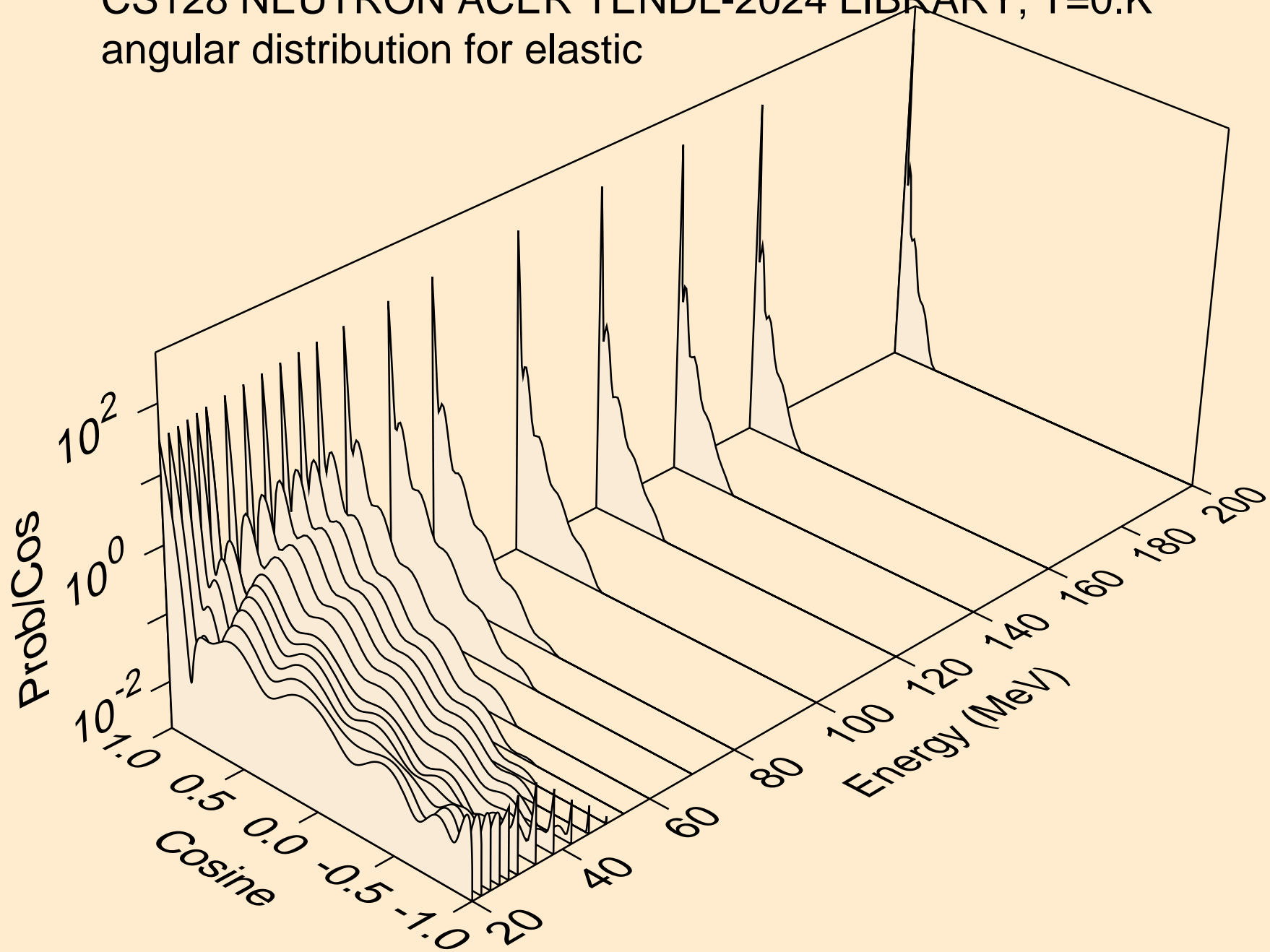
## Threshold reactions



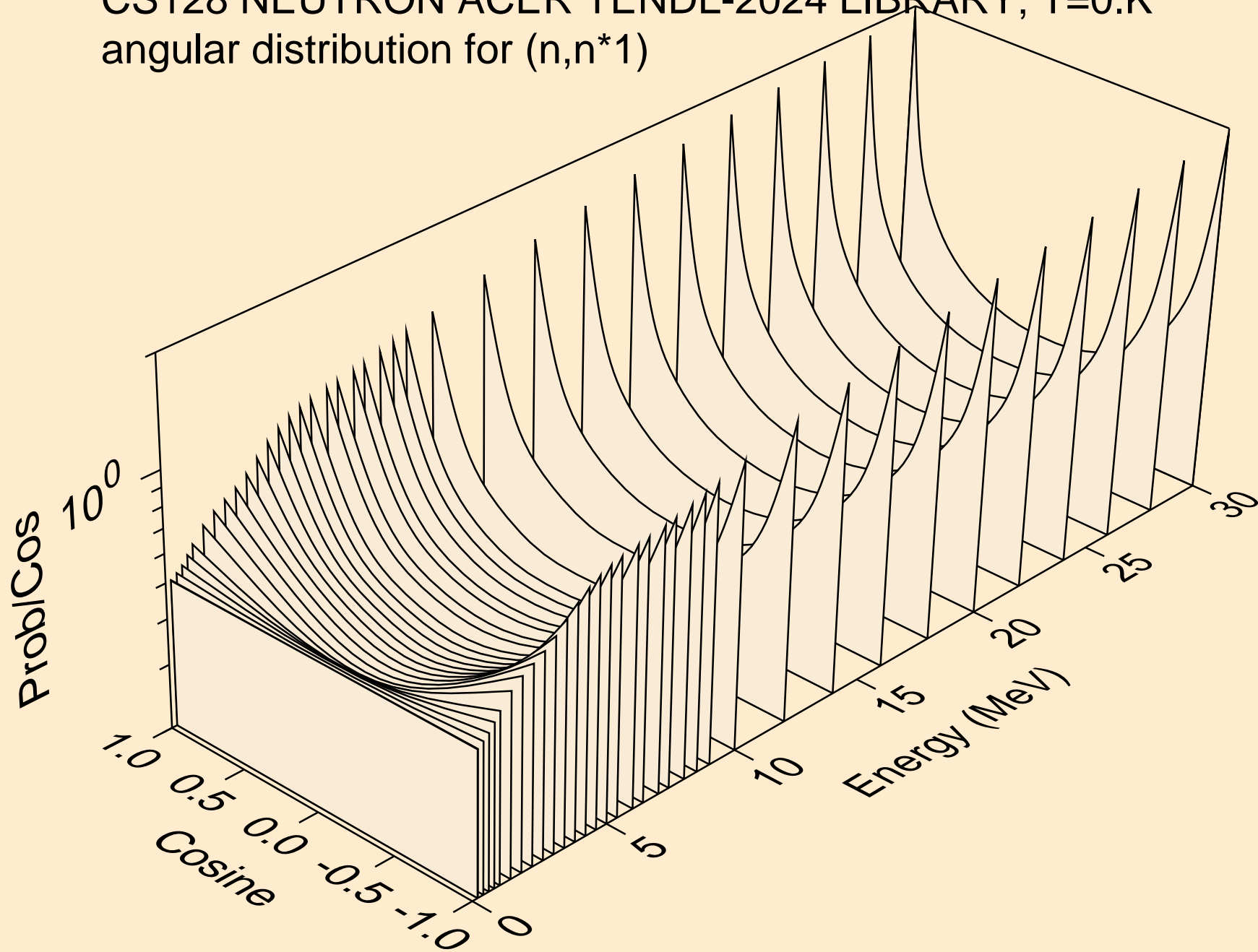
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



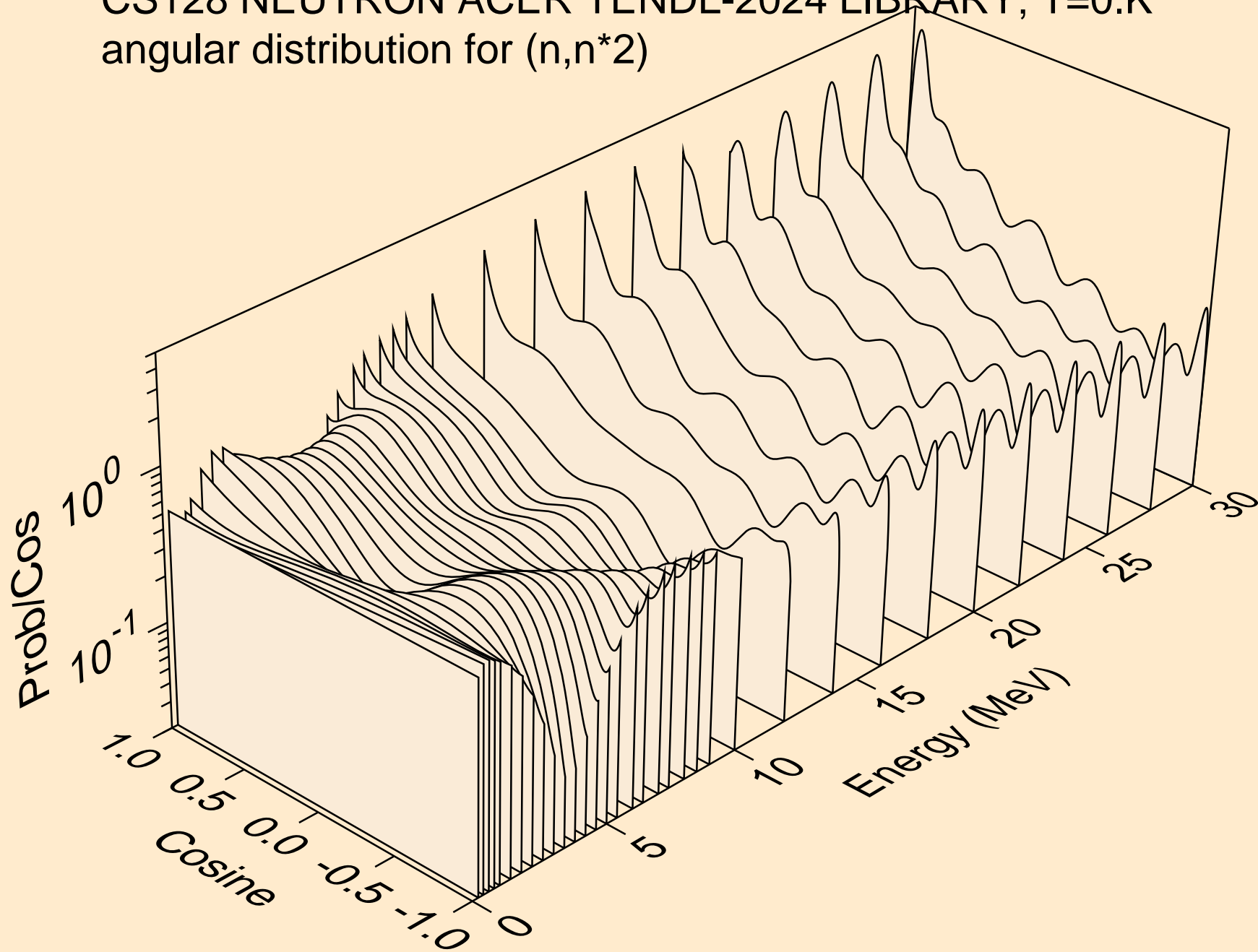
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



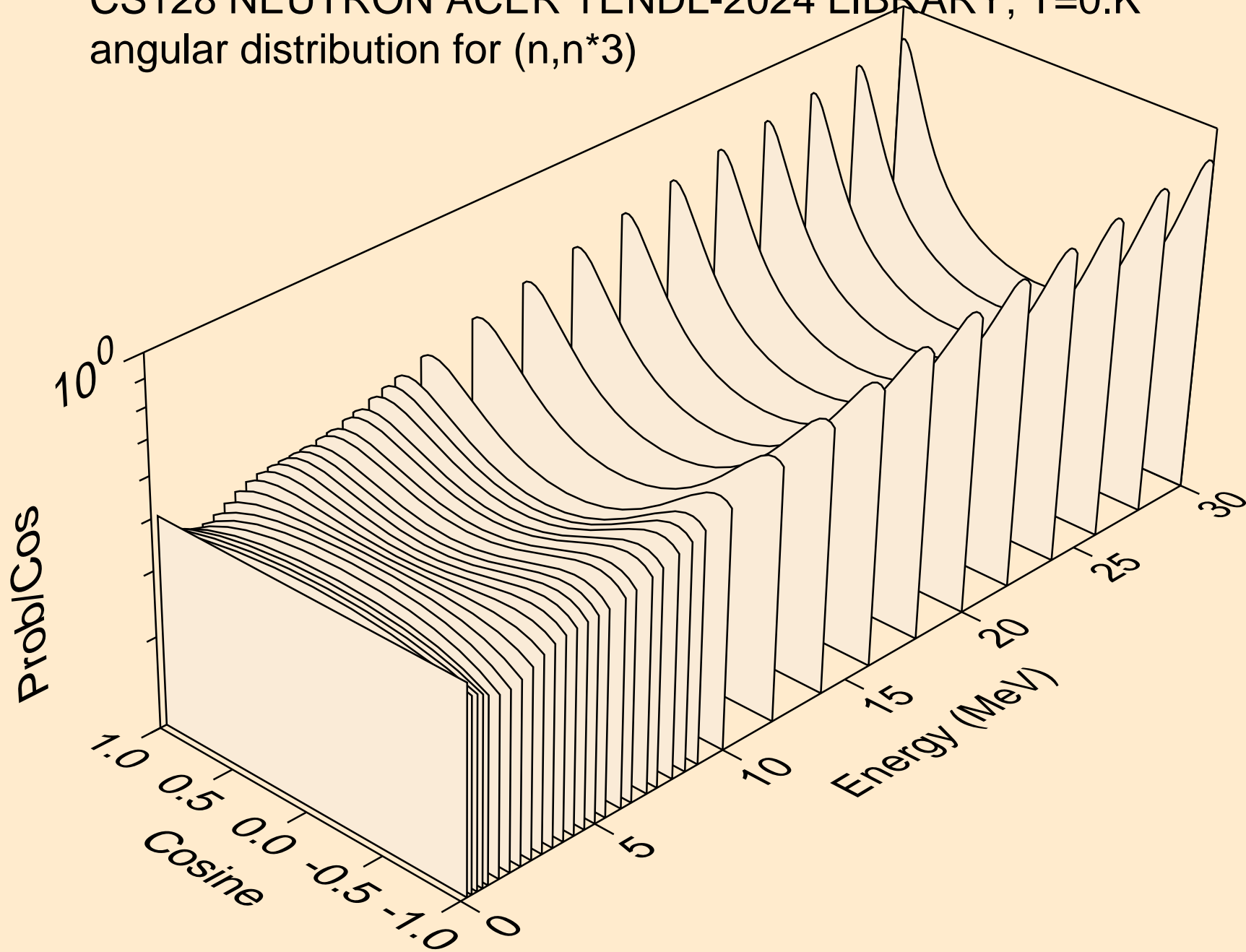
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



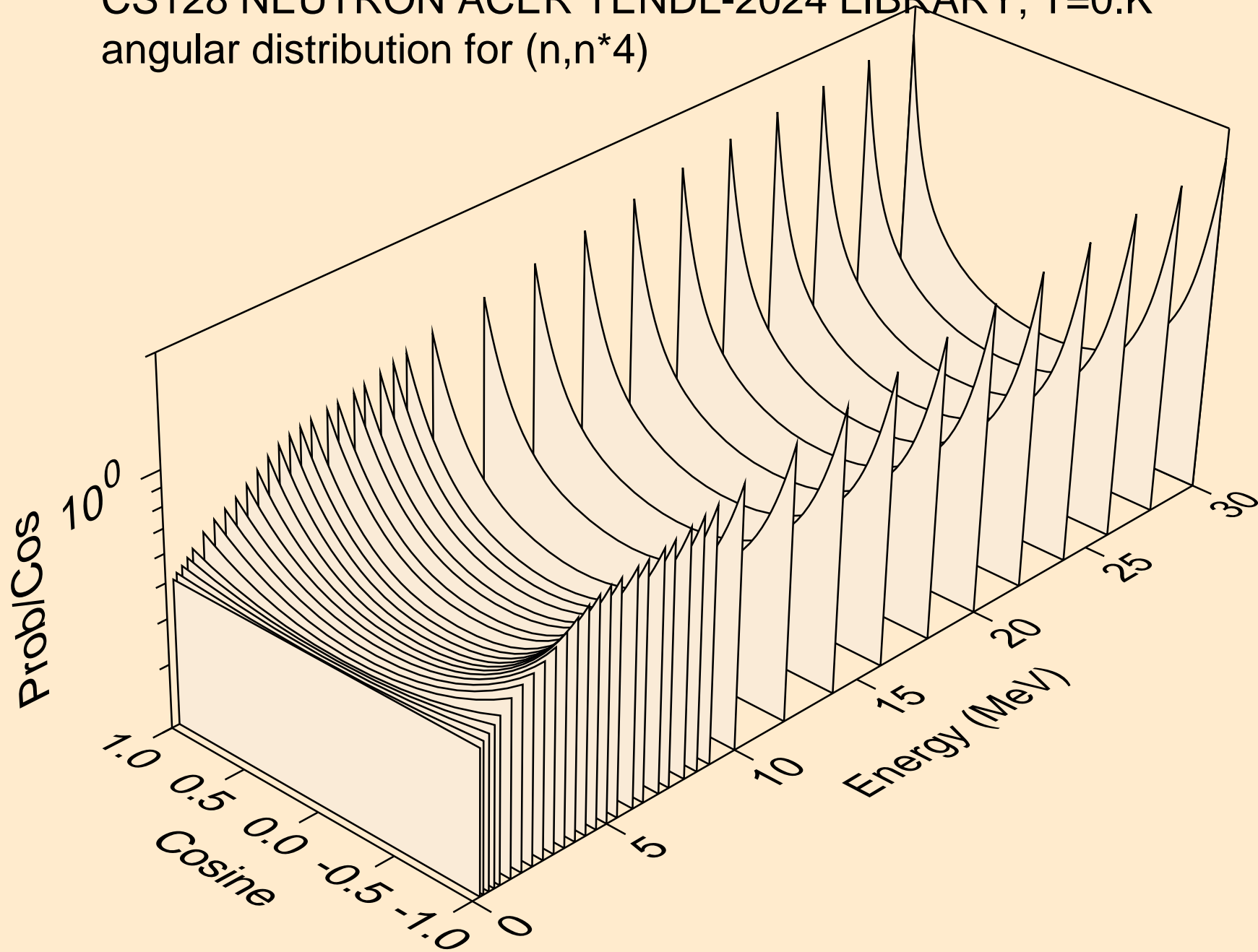
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



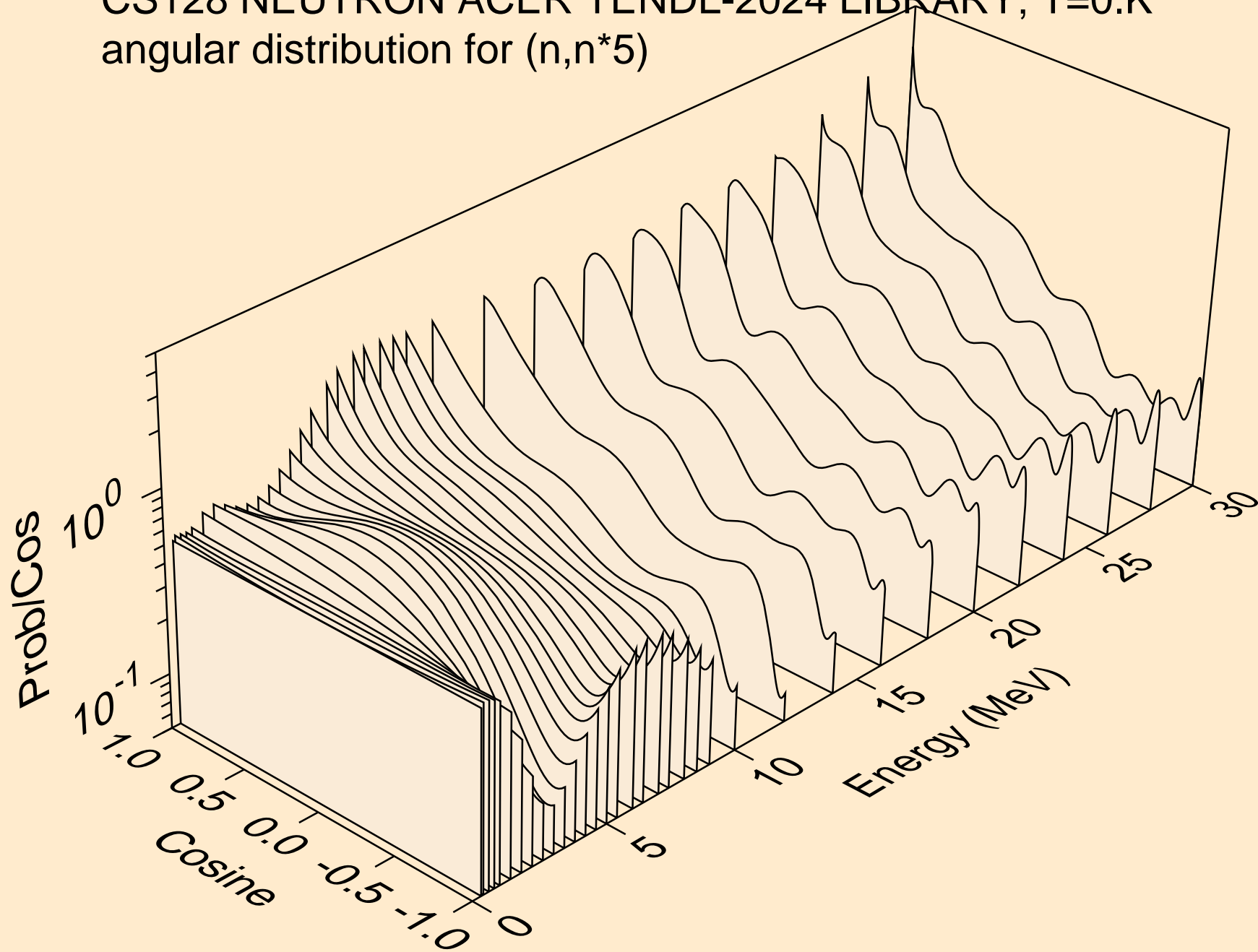
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



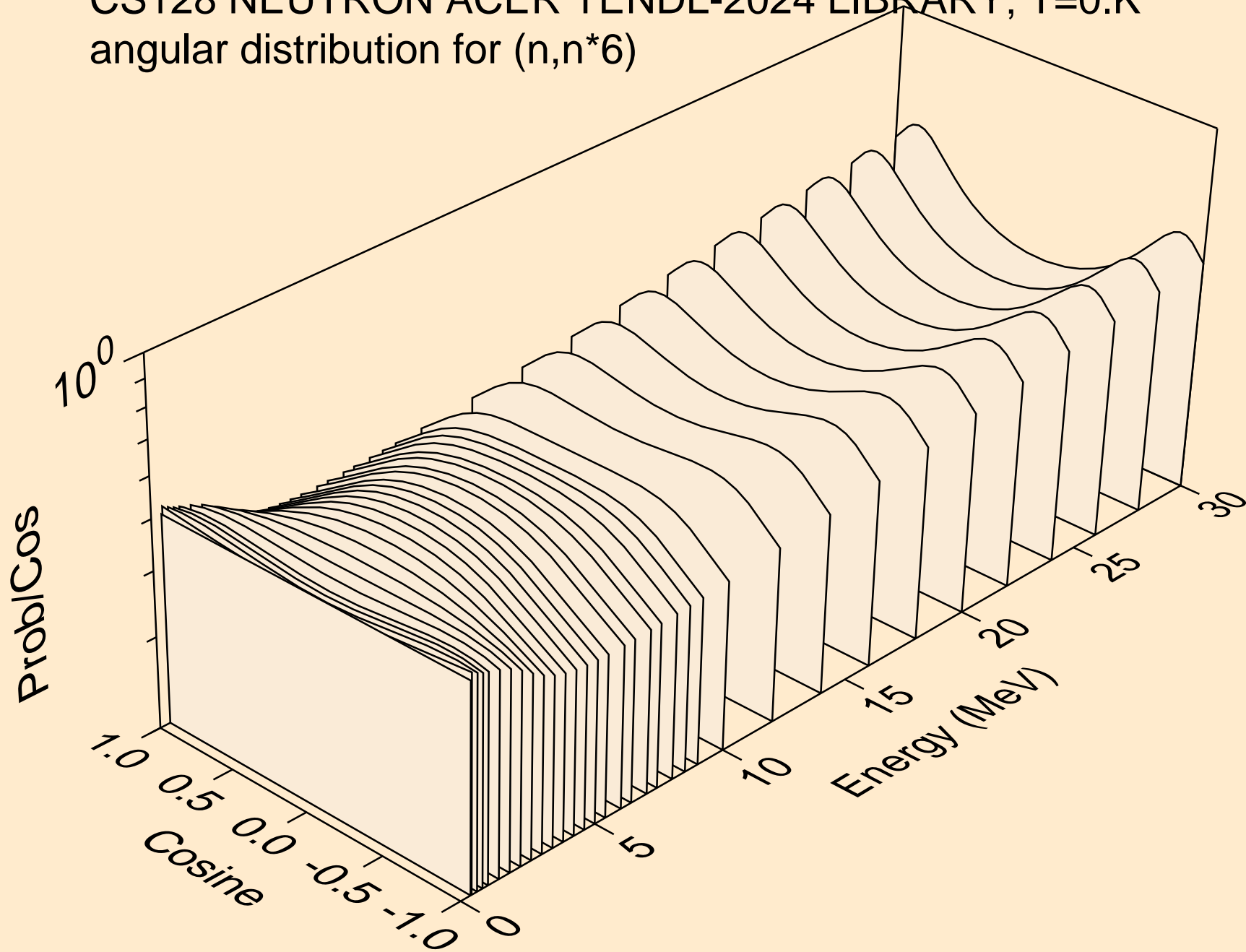
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



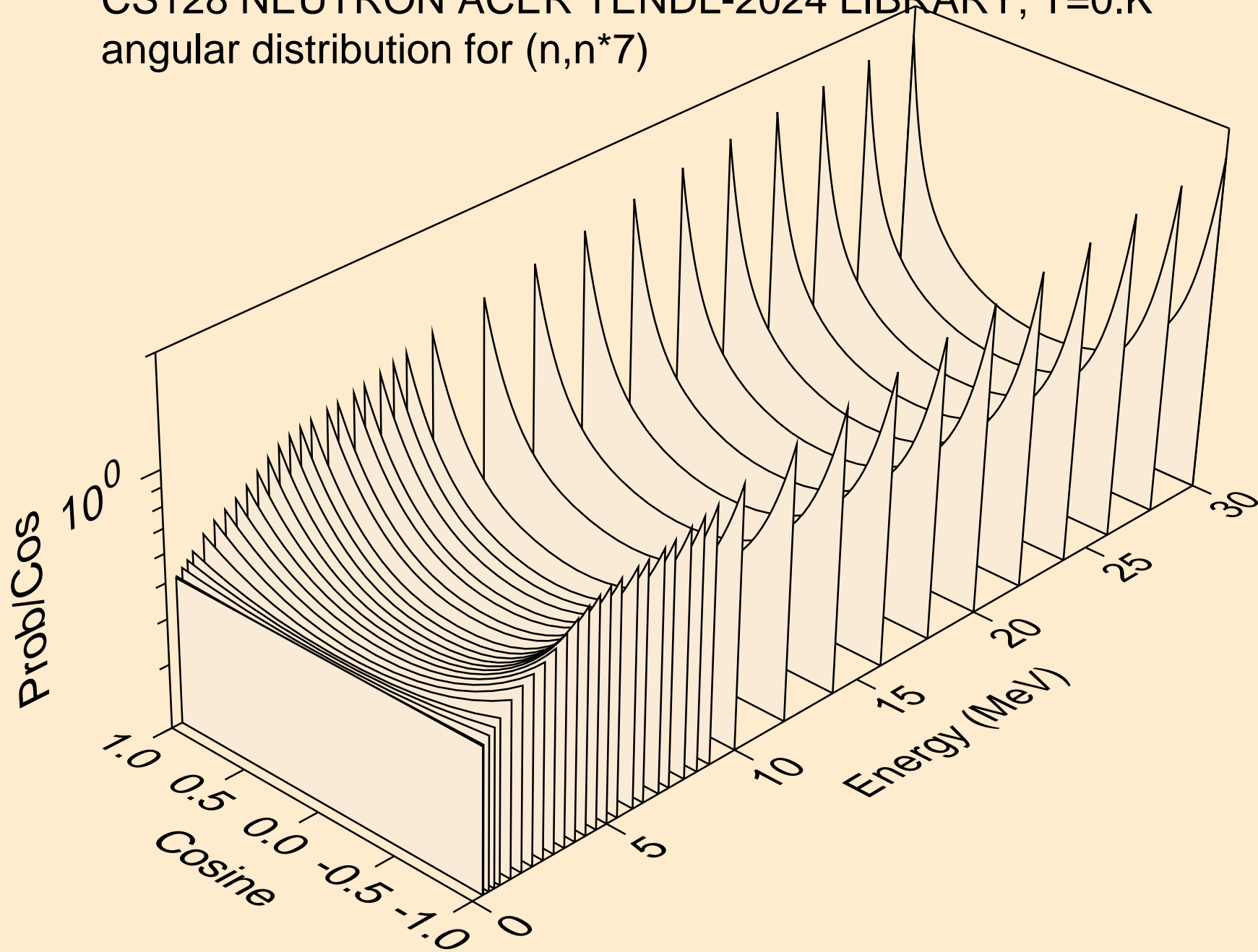
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



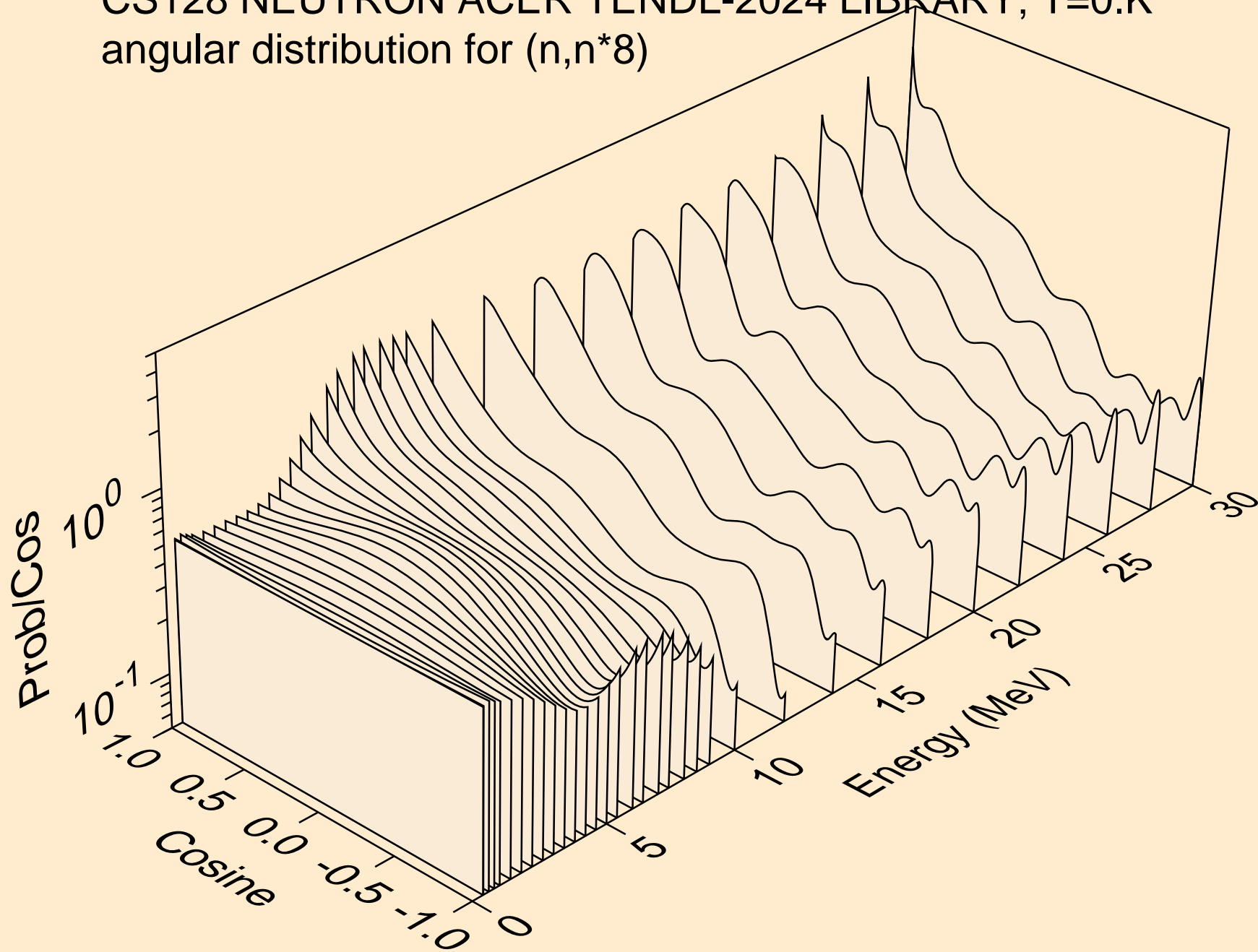
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



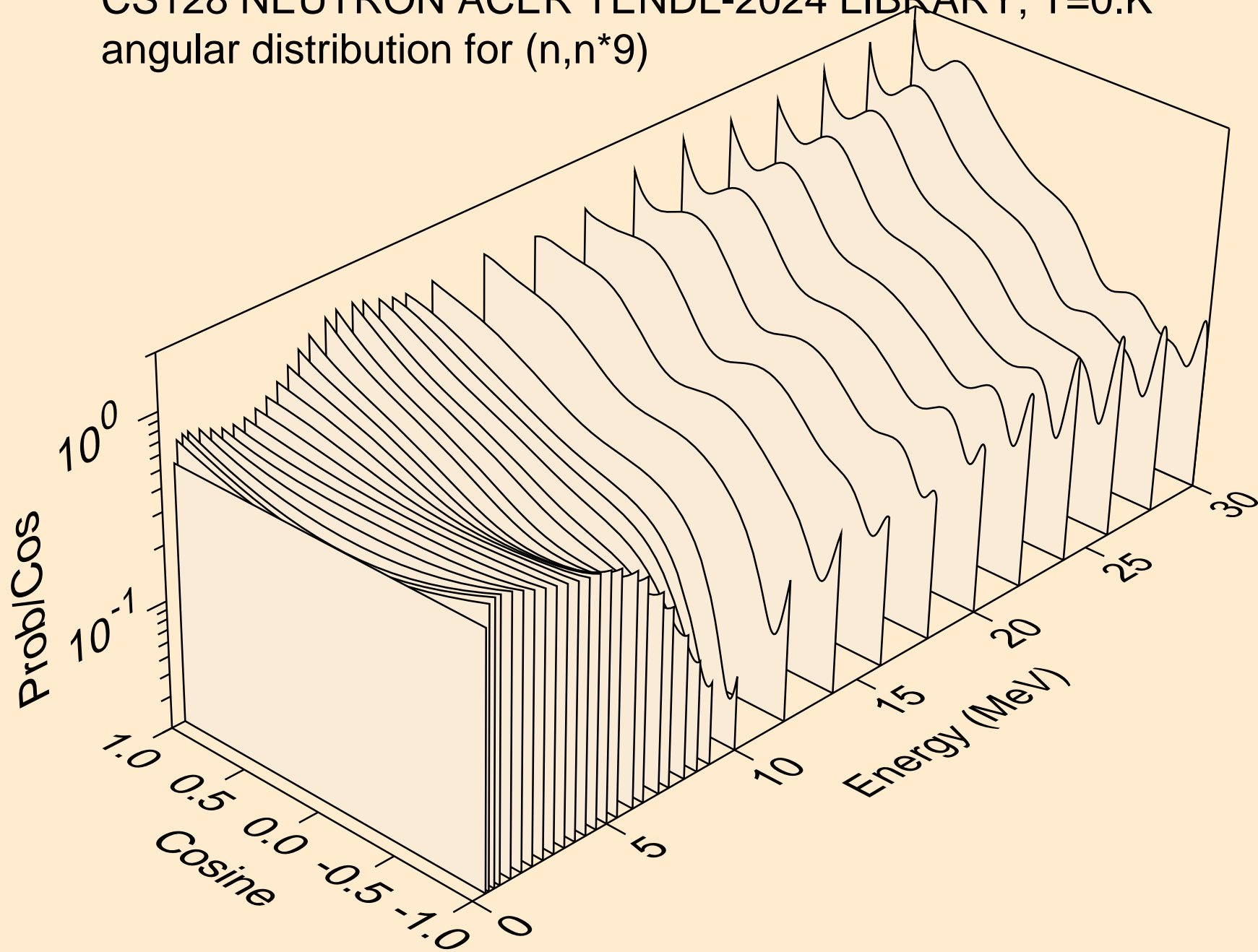
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



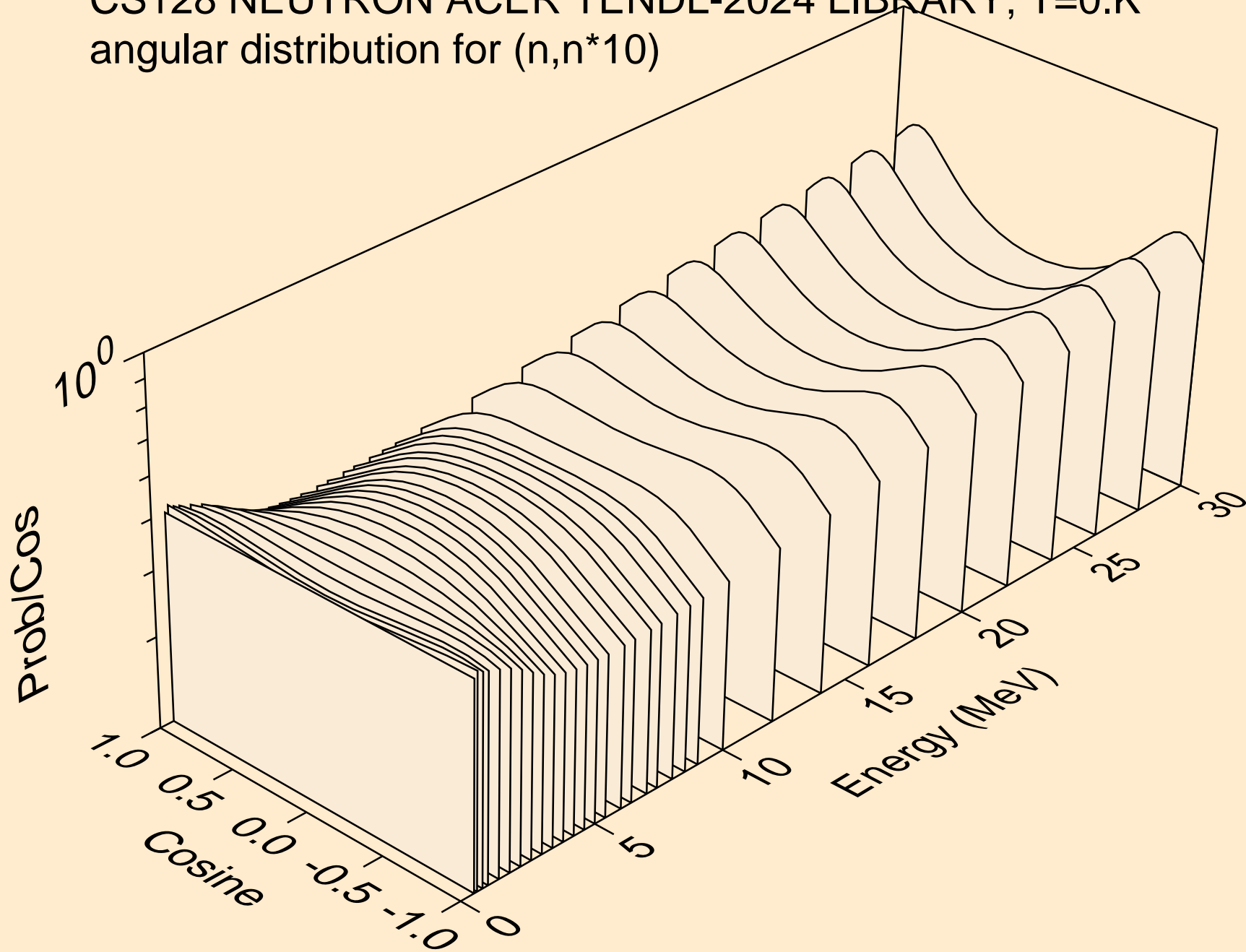
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



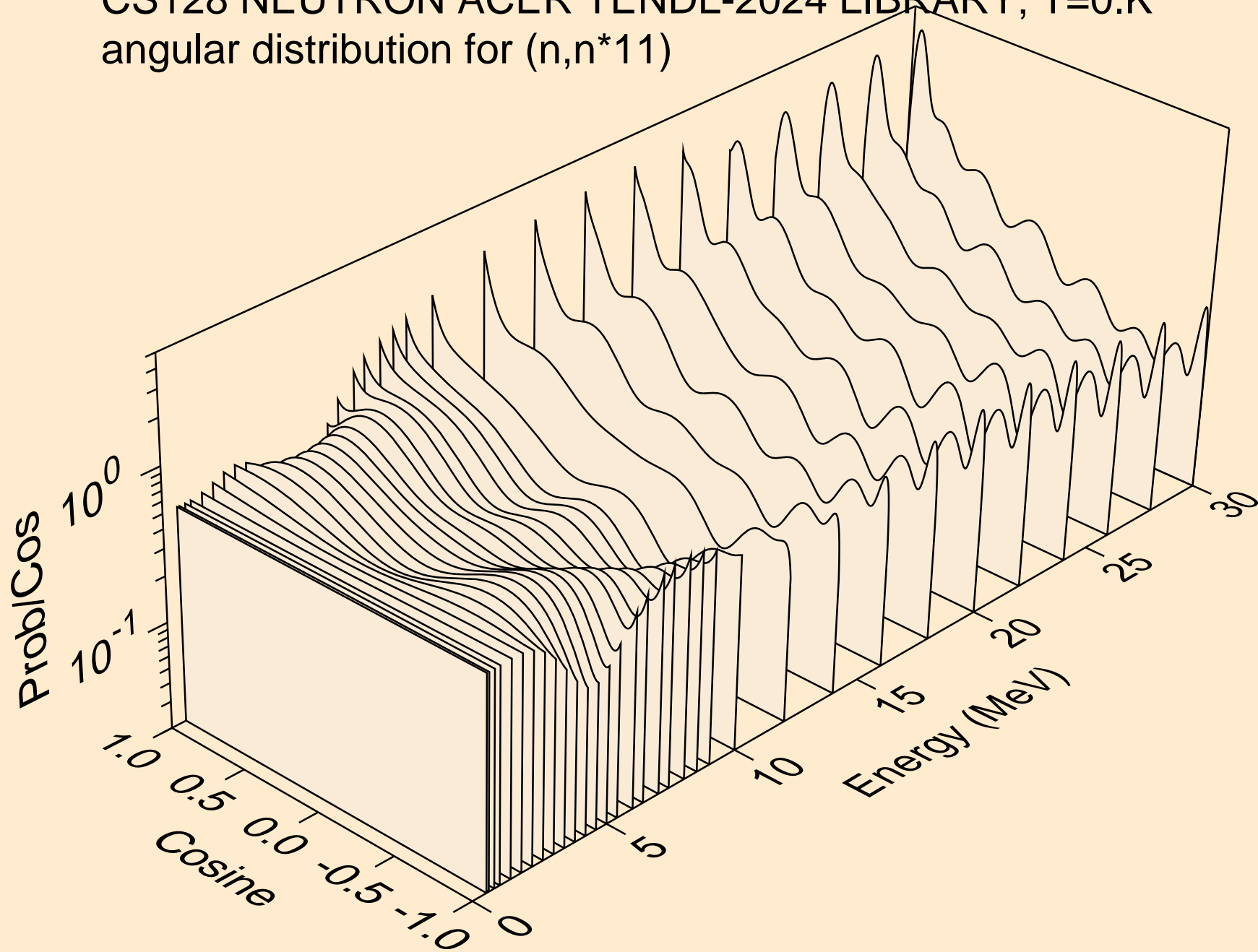
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



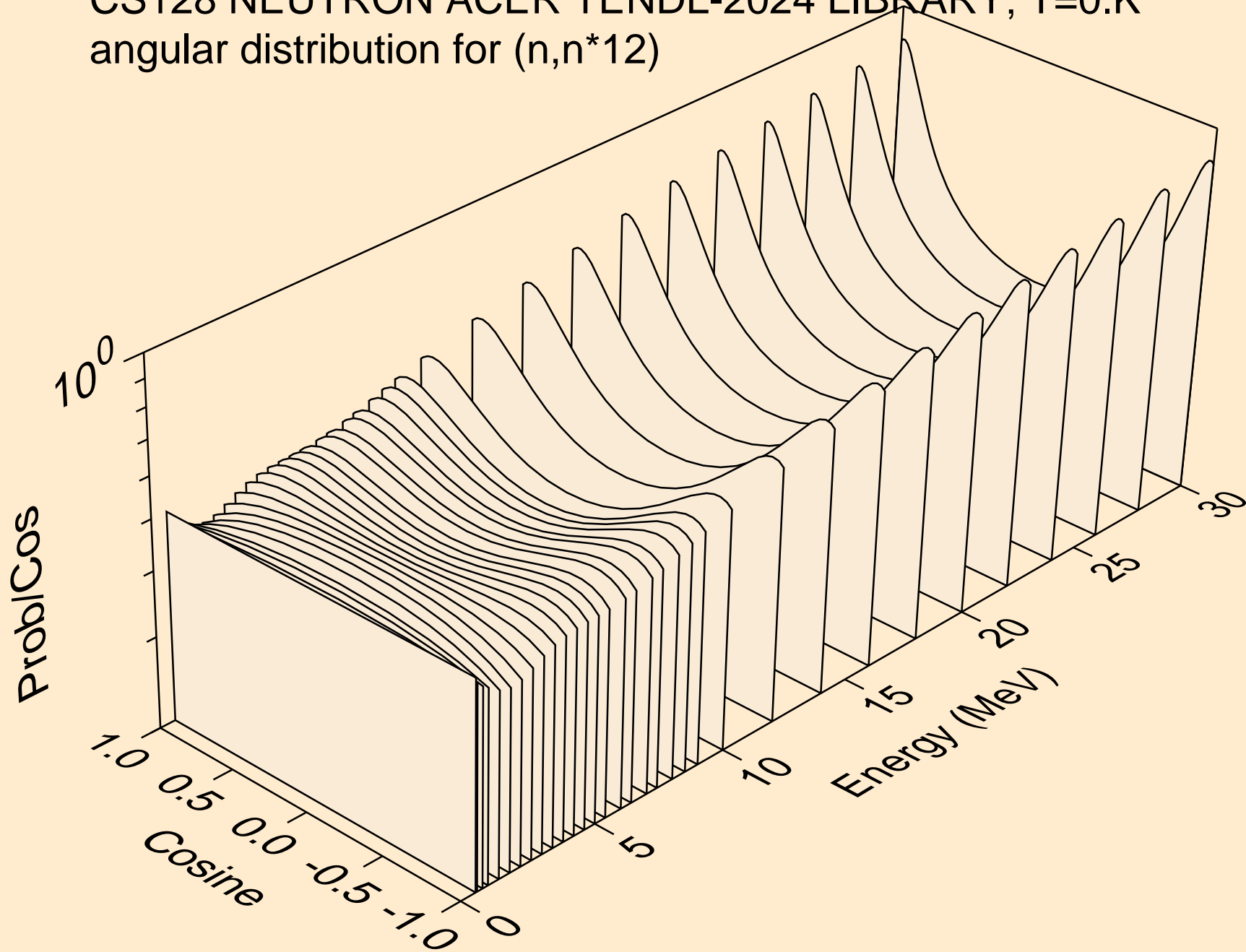
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



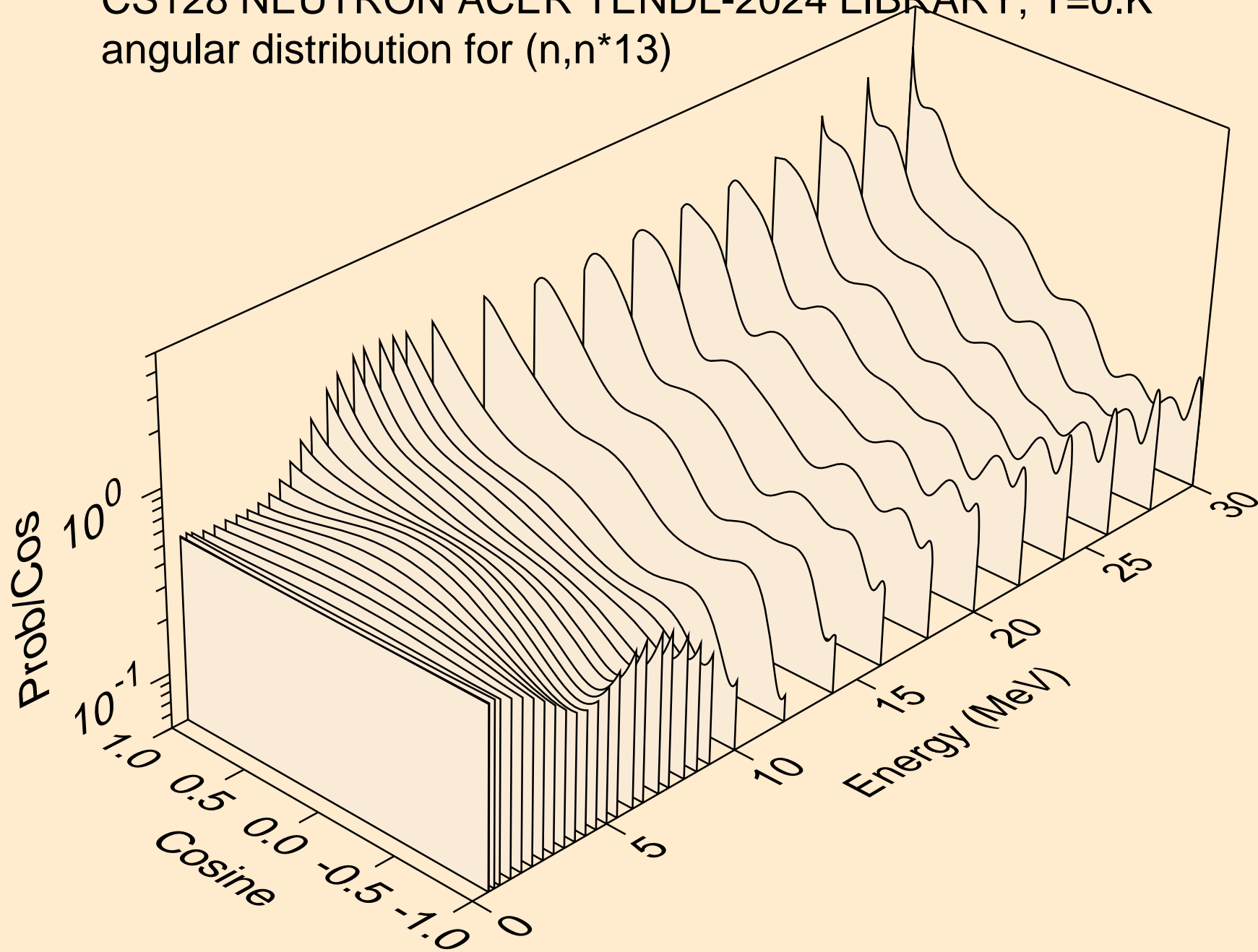
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



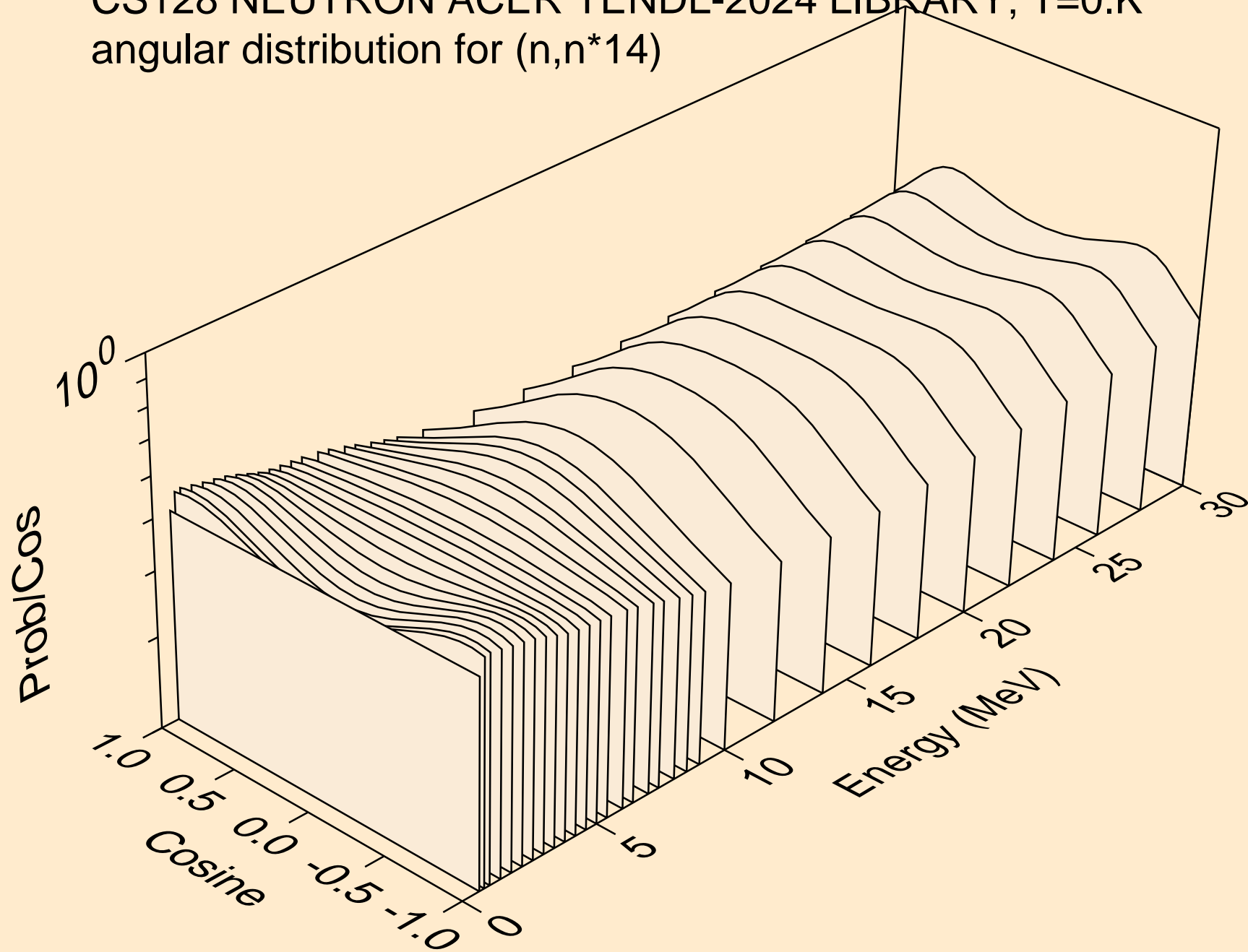
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



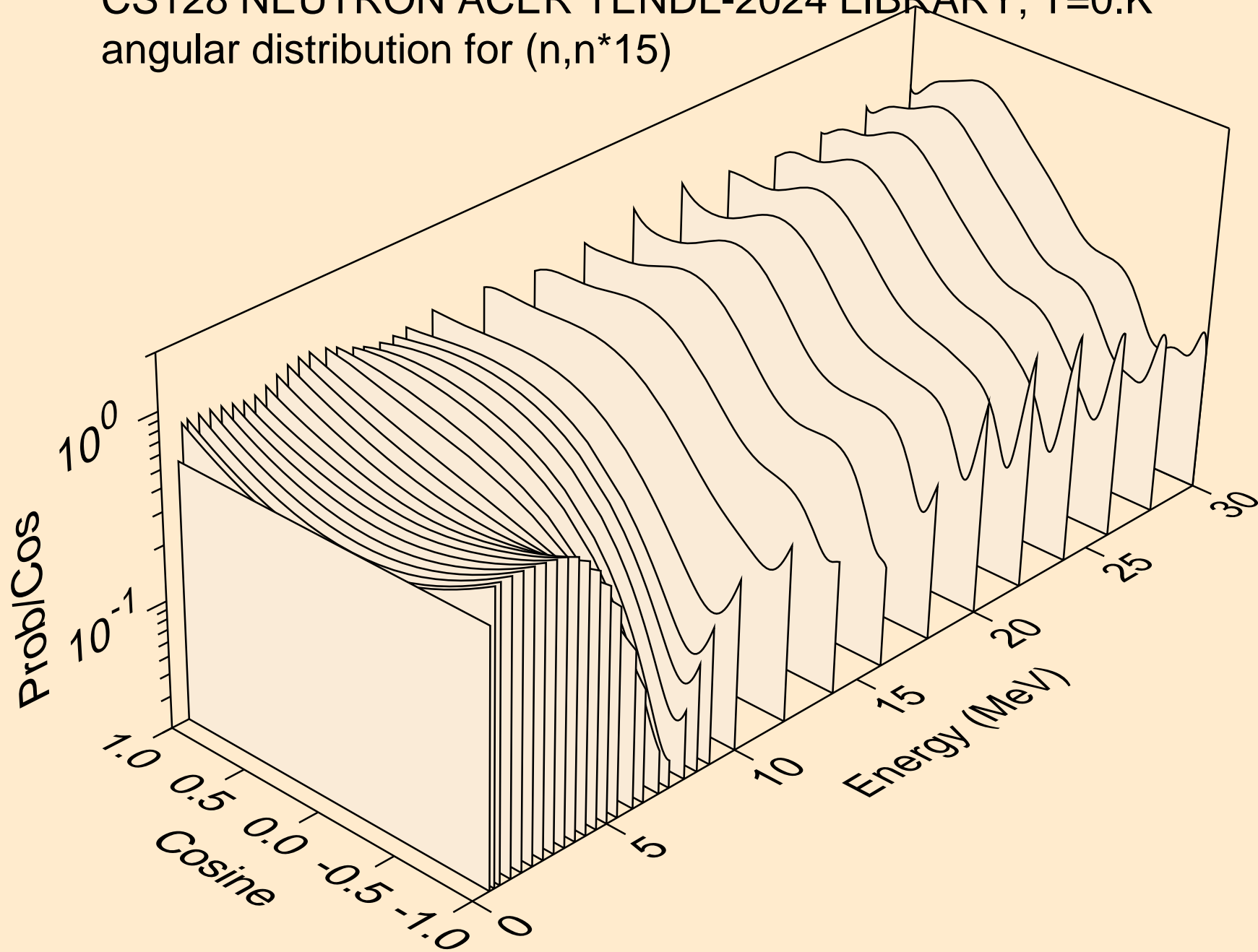
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



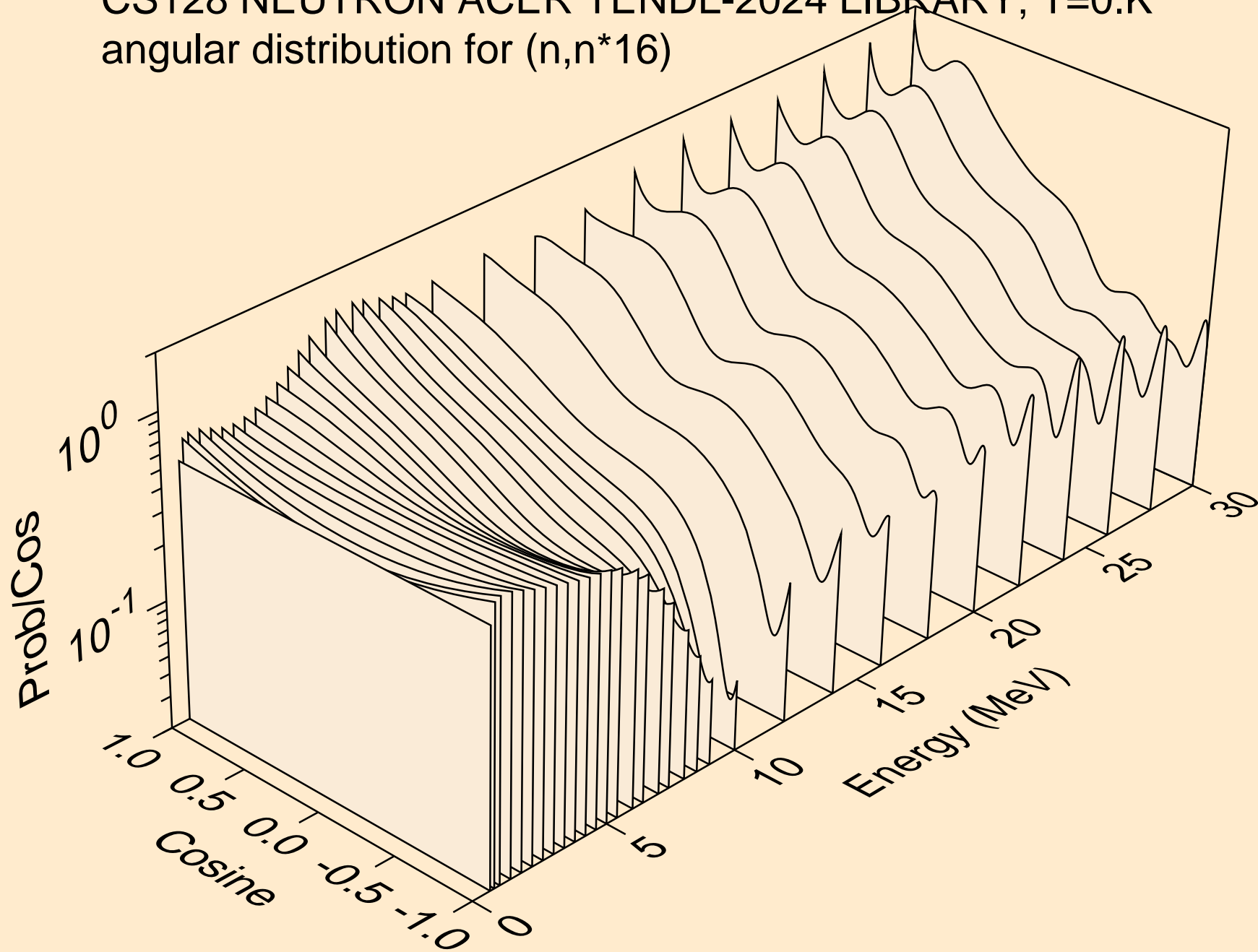
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



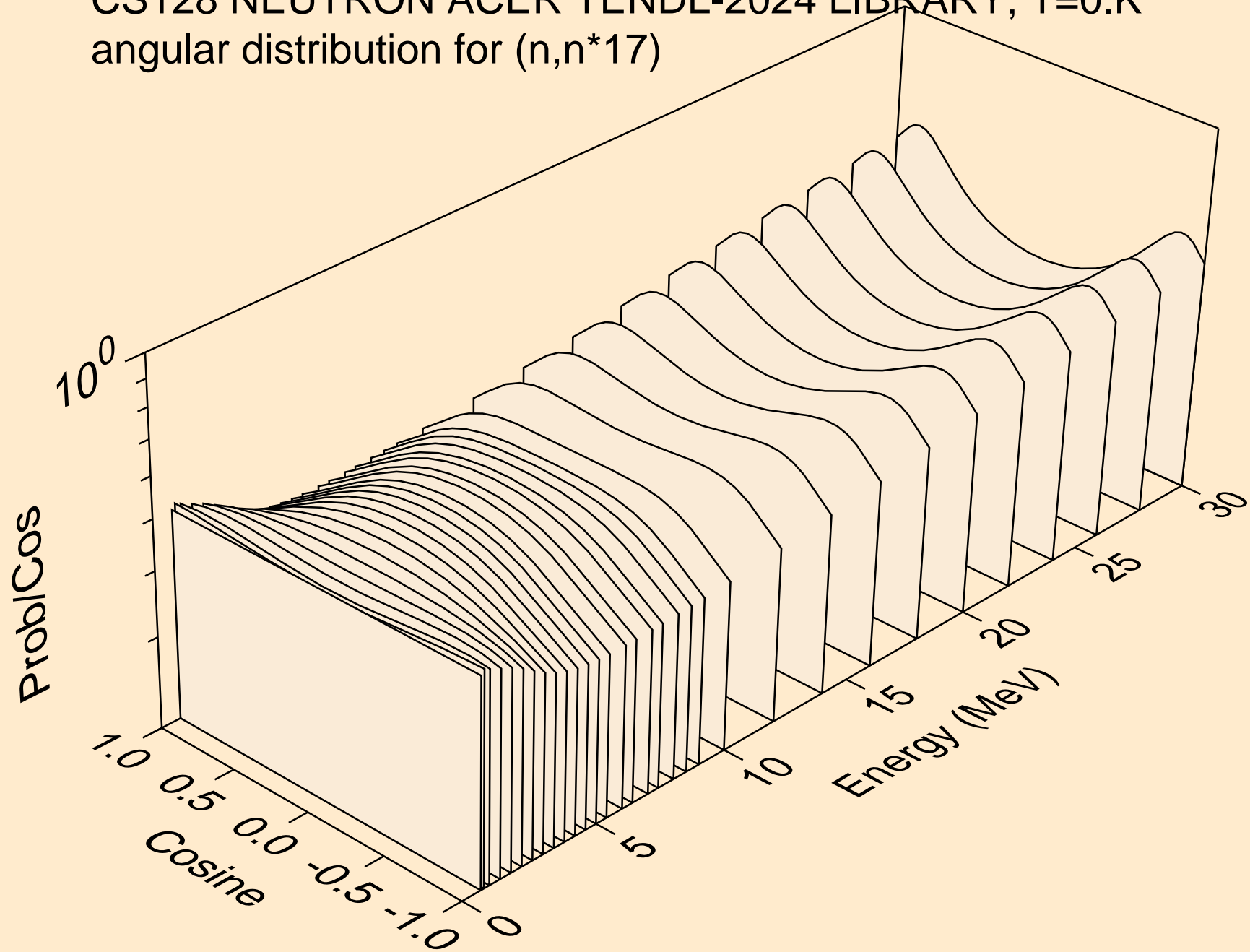
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



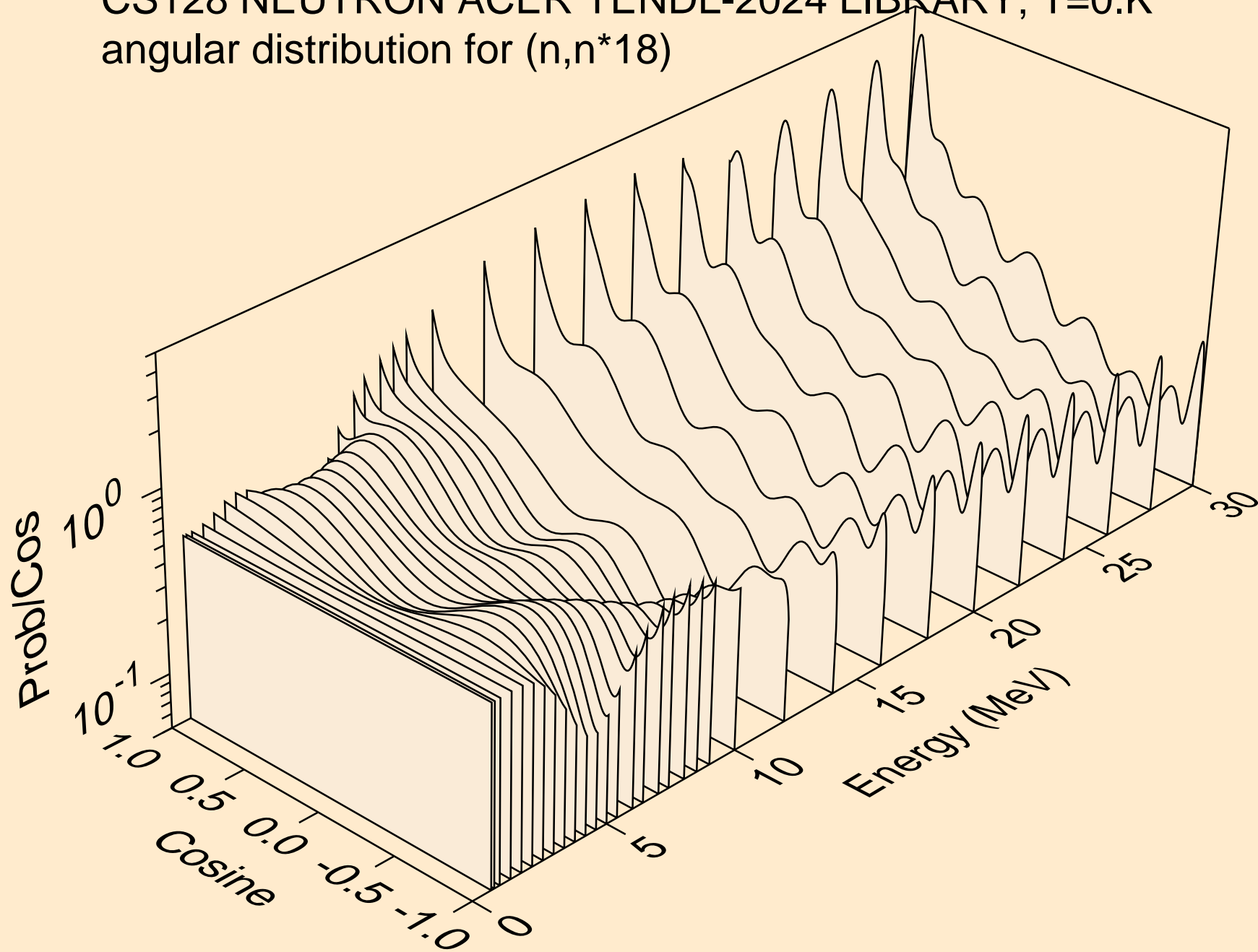
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



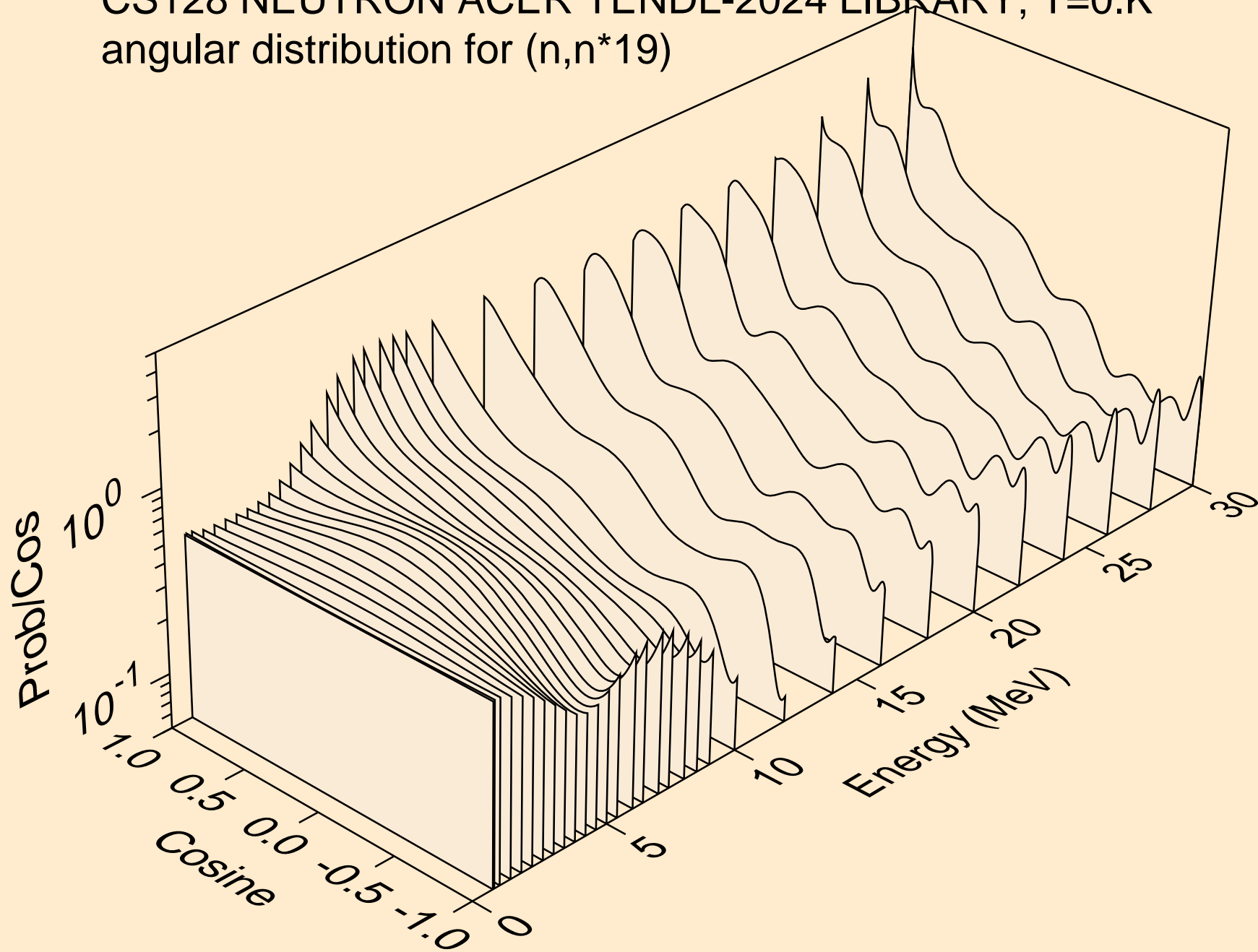
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



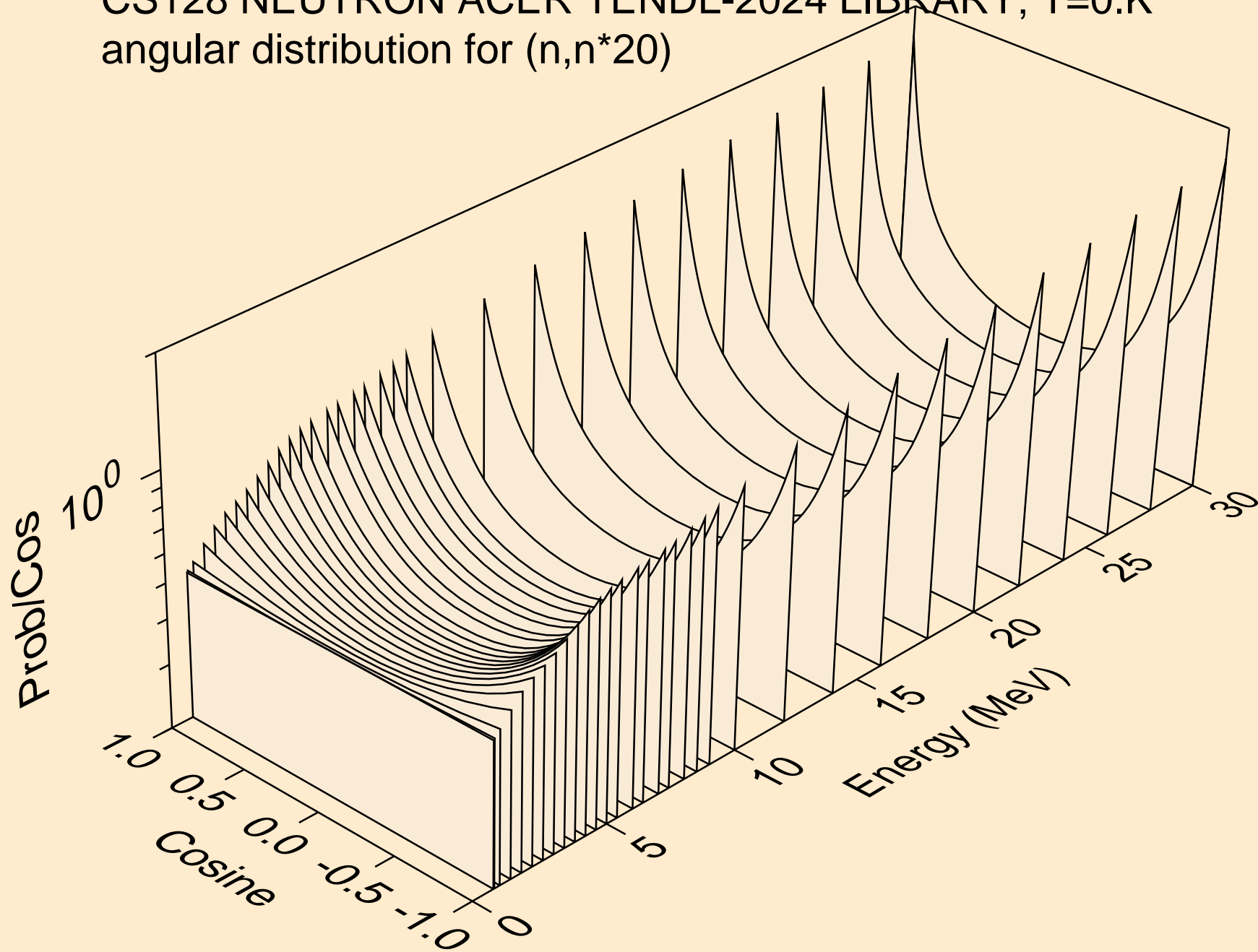
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



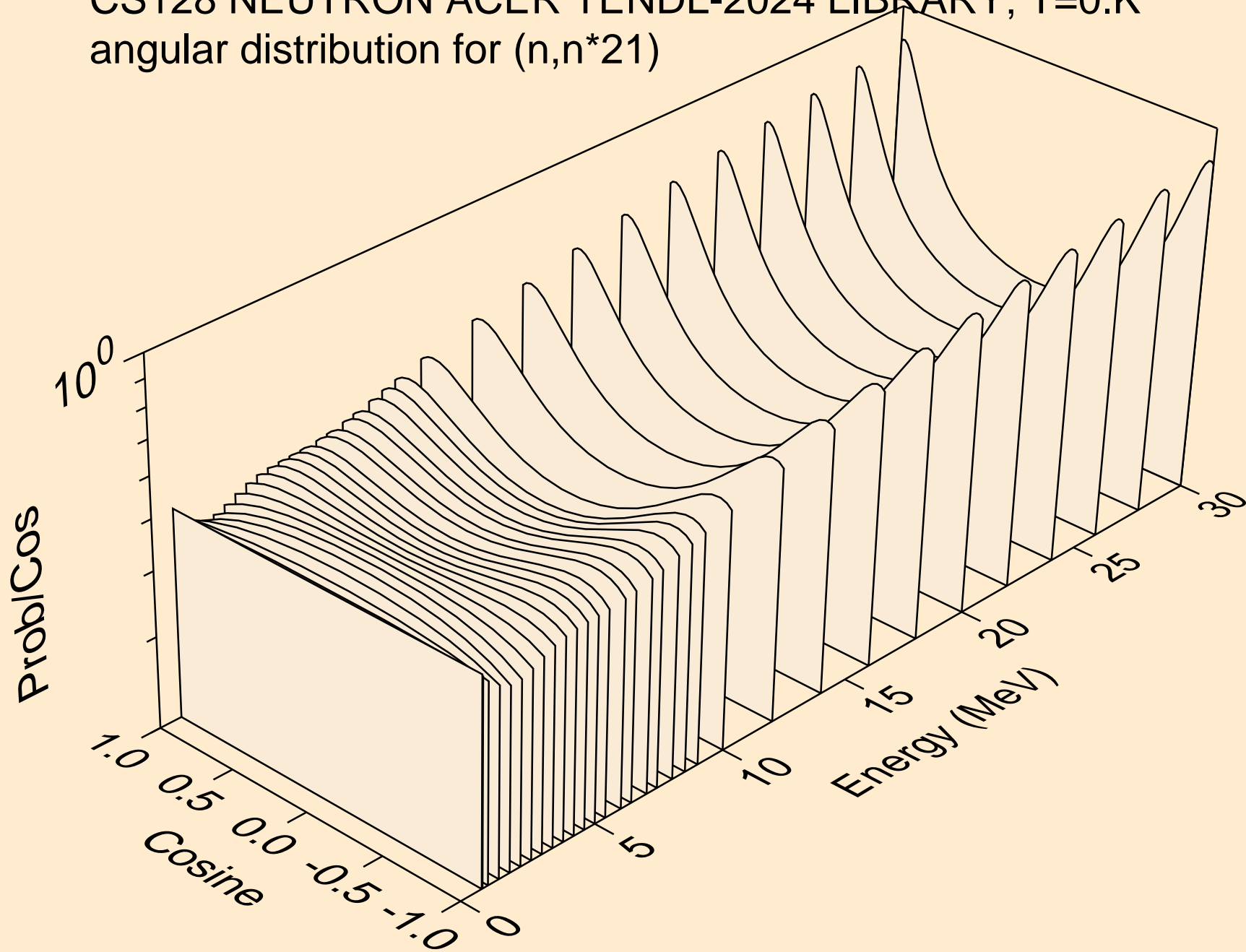
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angular distribution for (n,n\*19)



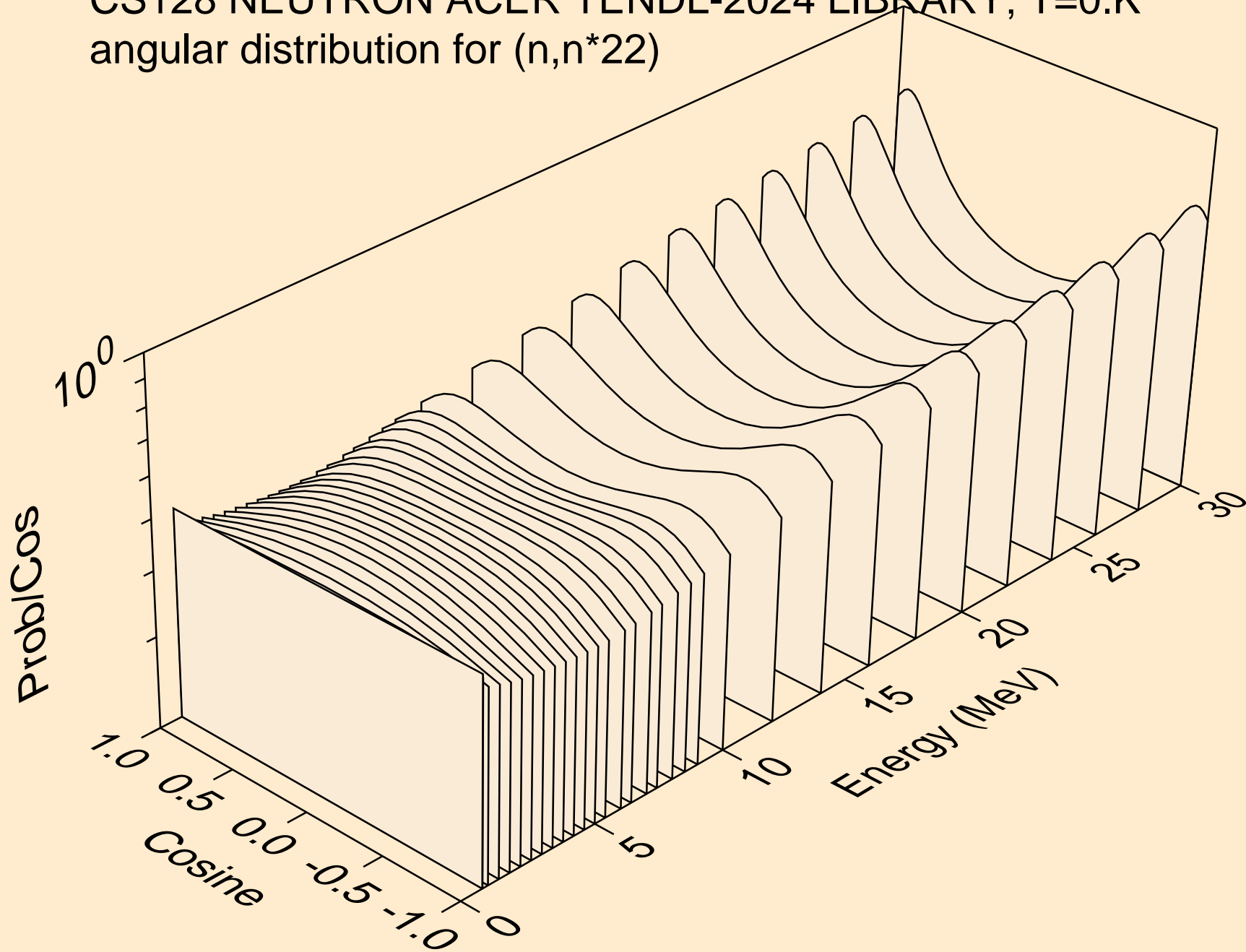
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angular distribution for (n,n\*20)



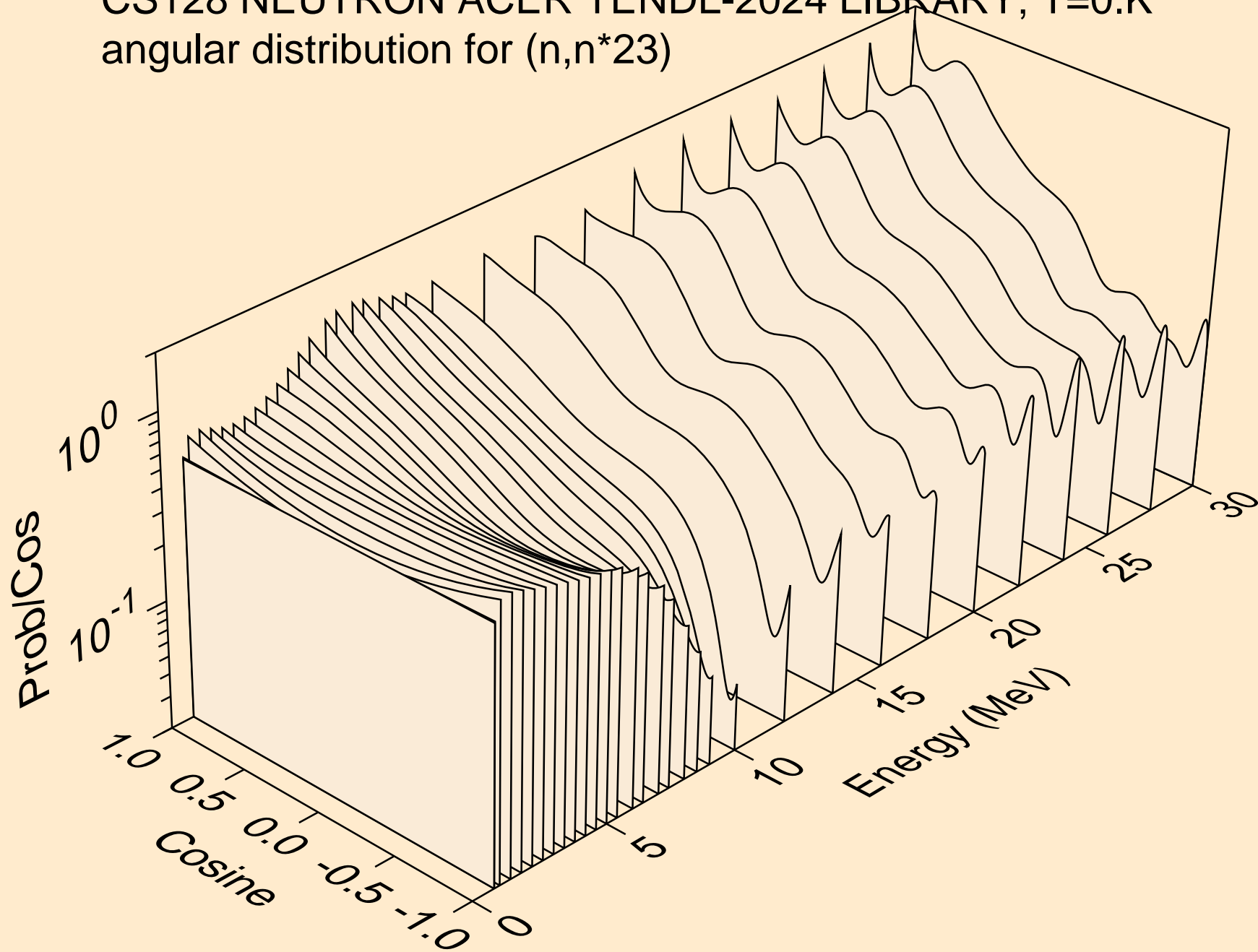
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



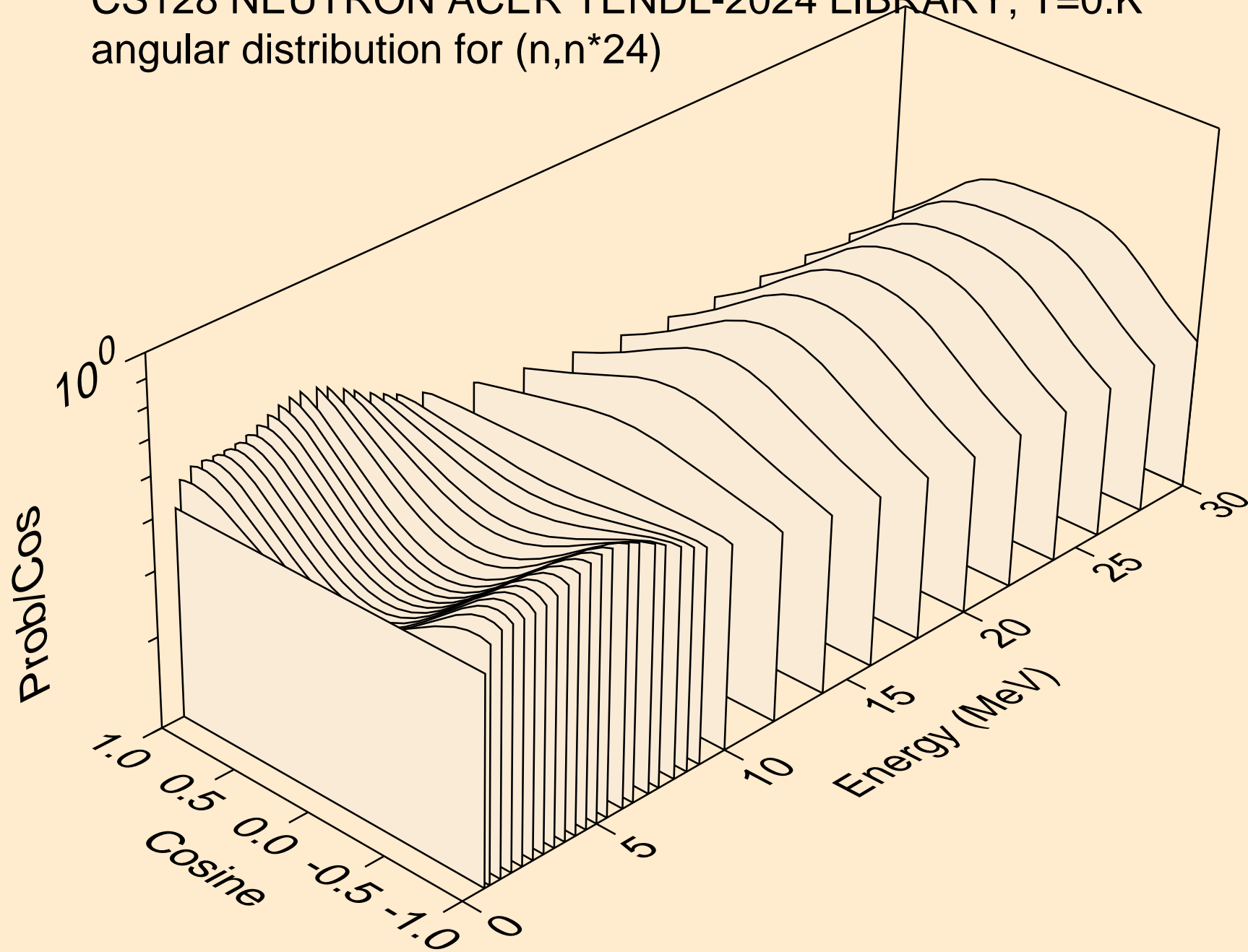
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



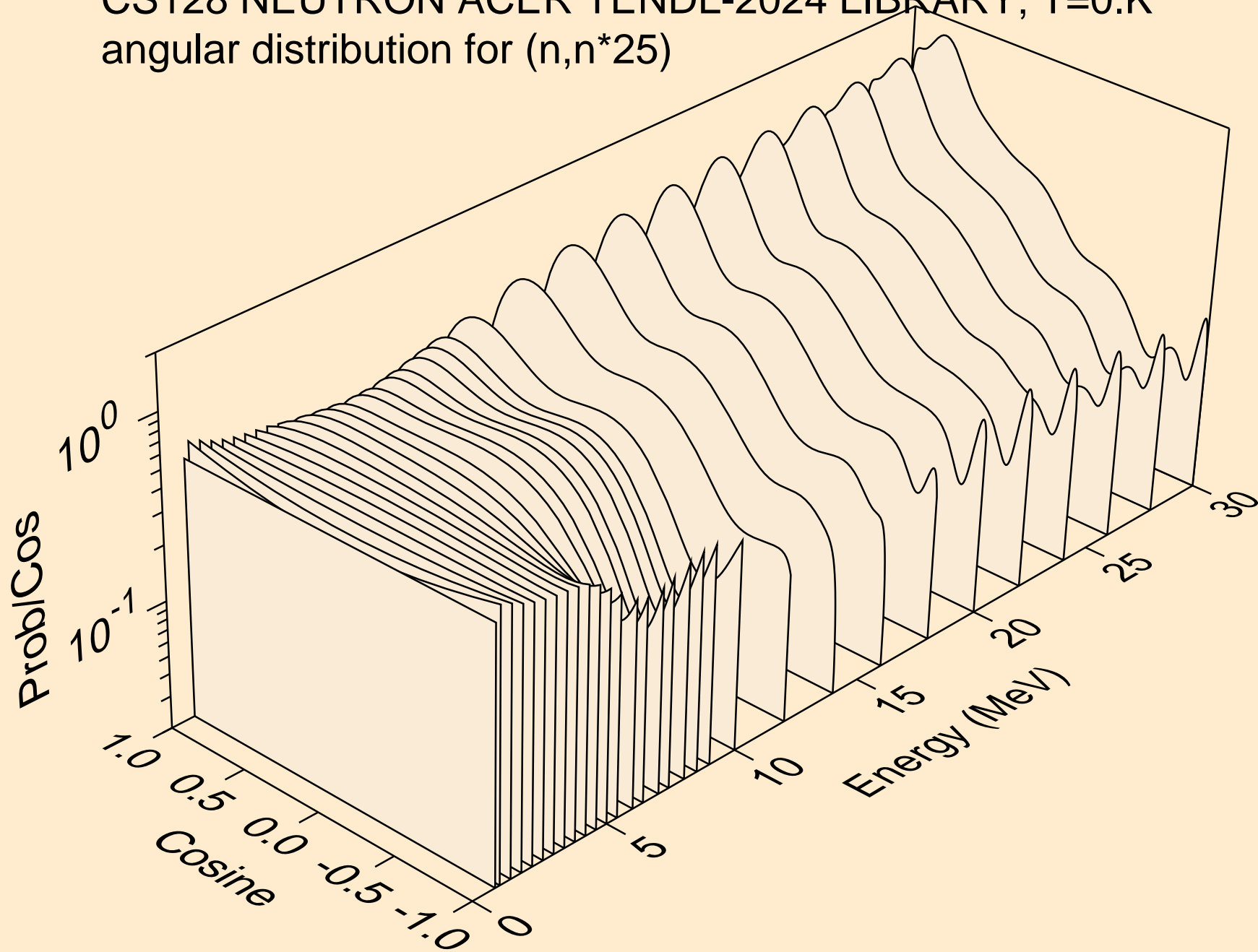
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



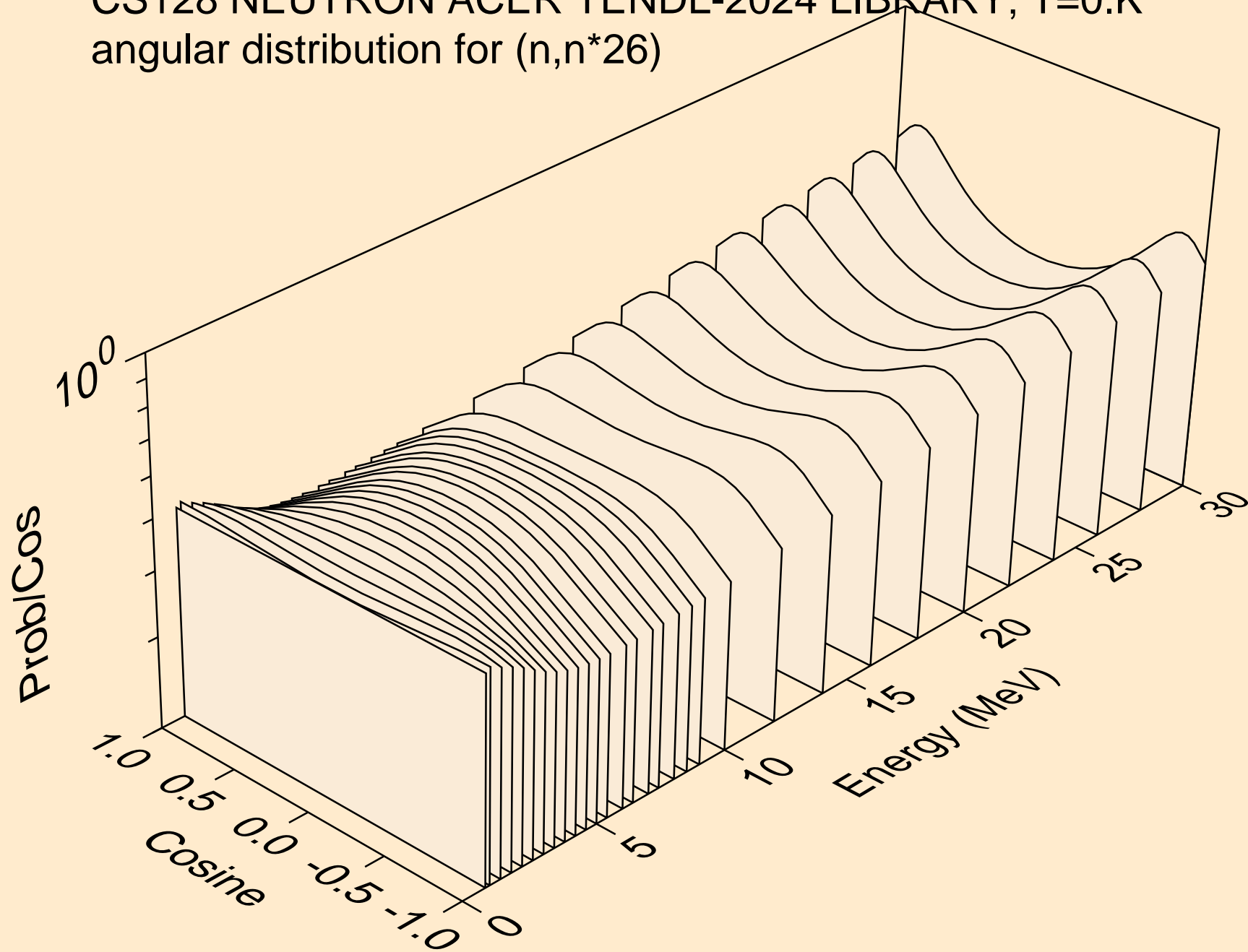
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



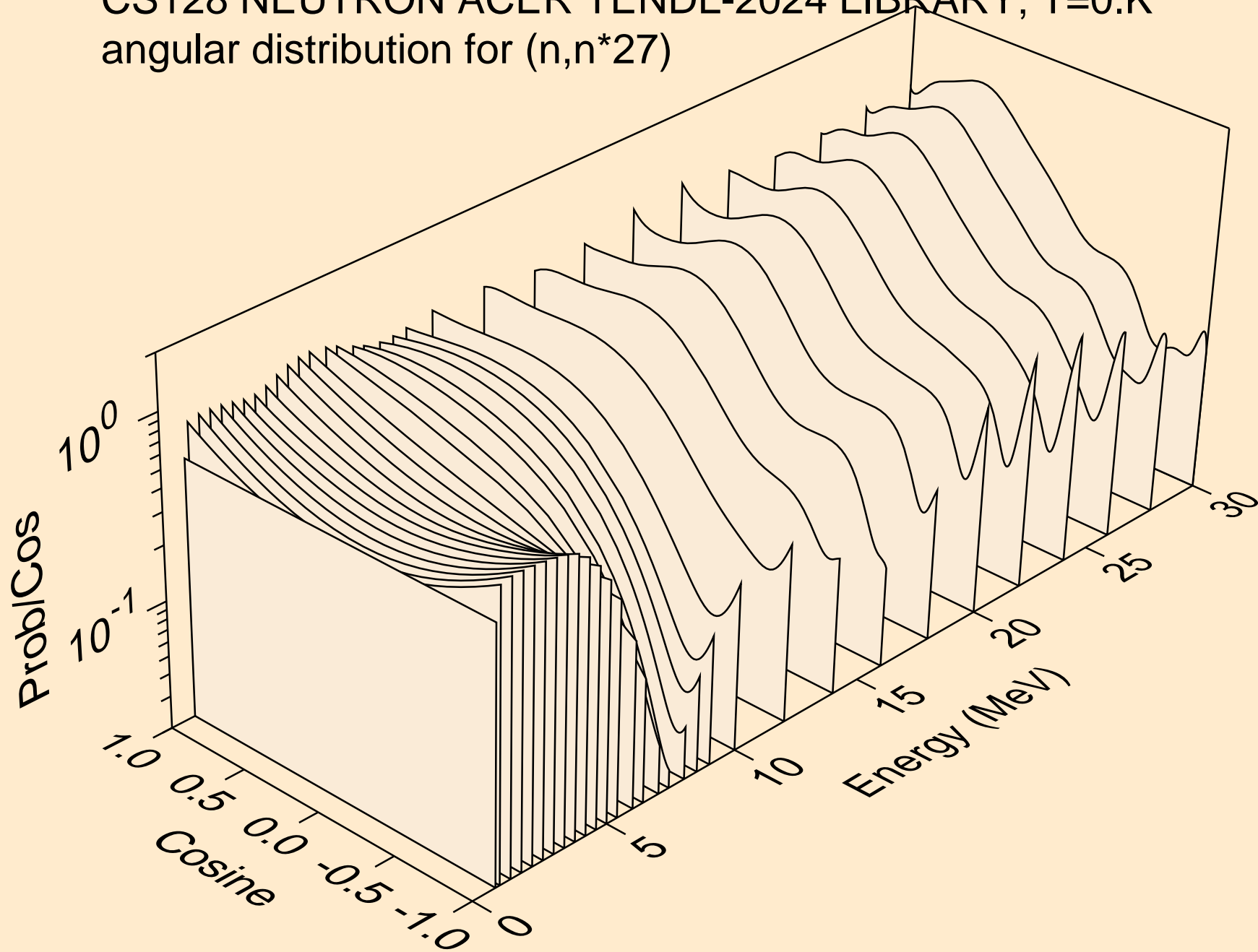
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



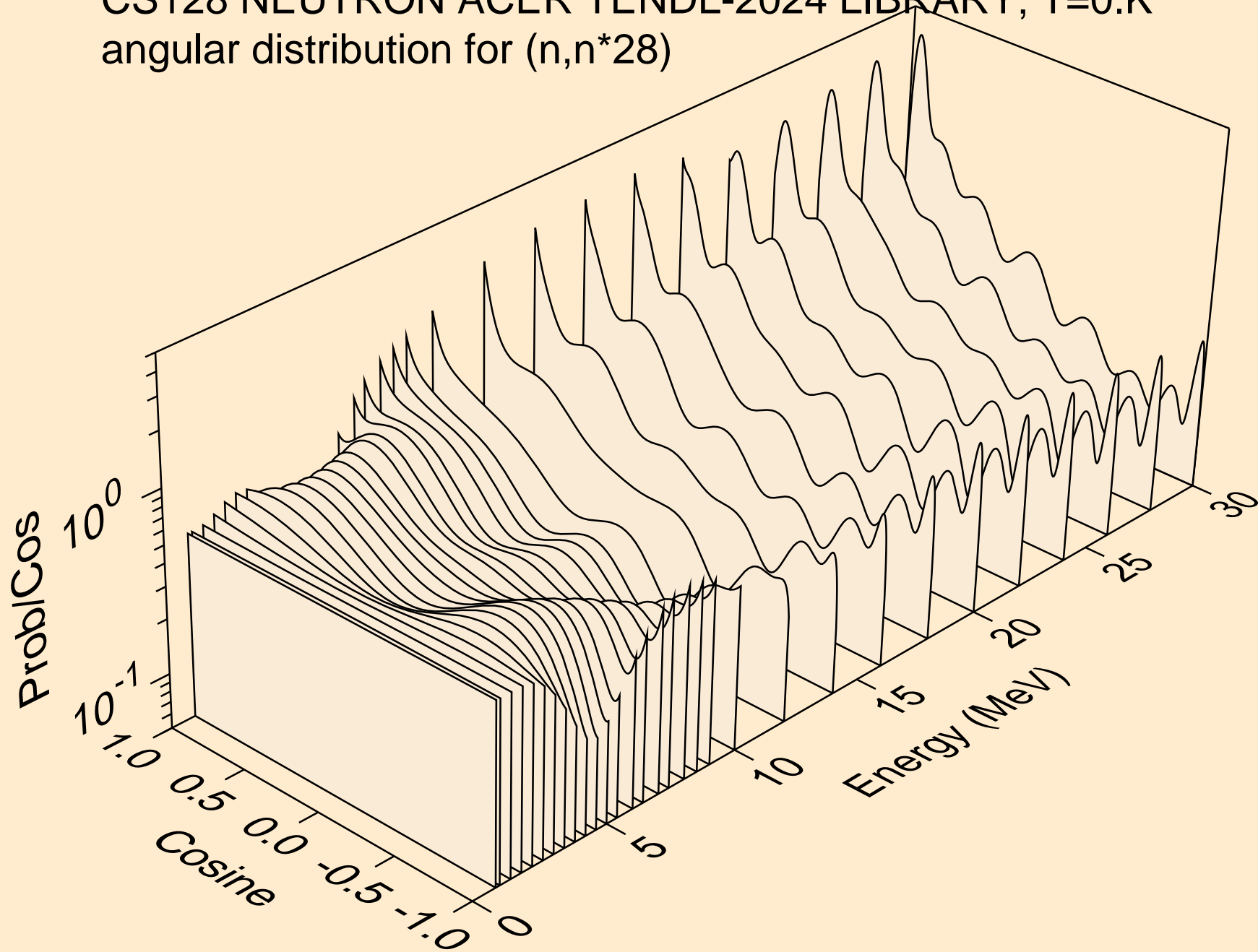
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



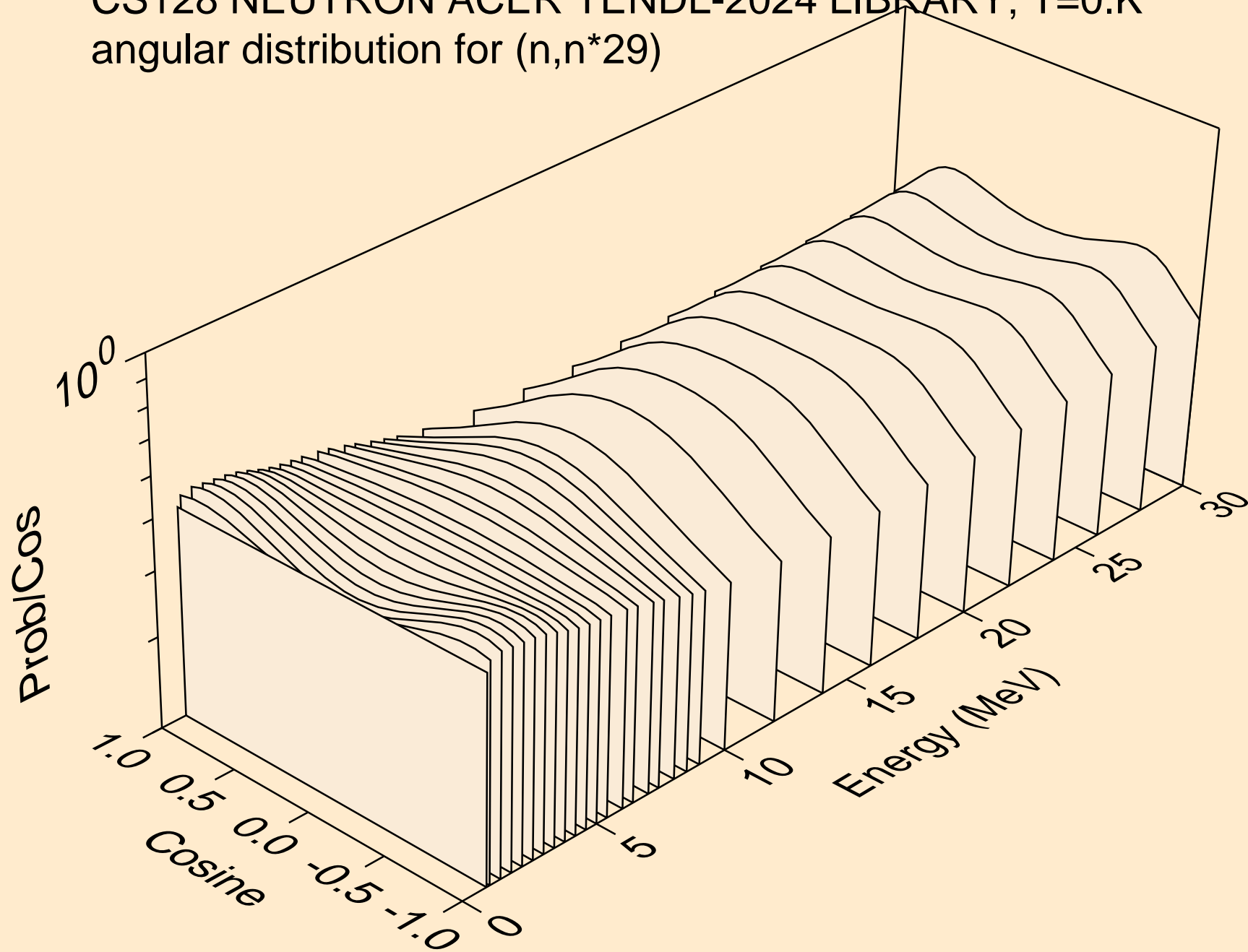
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



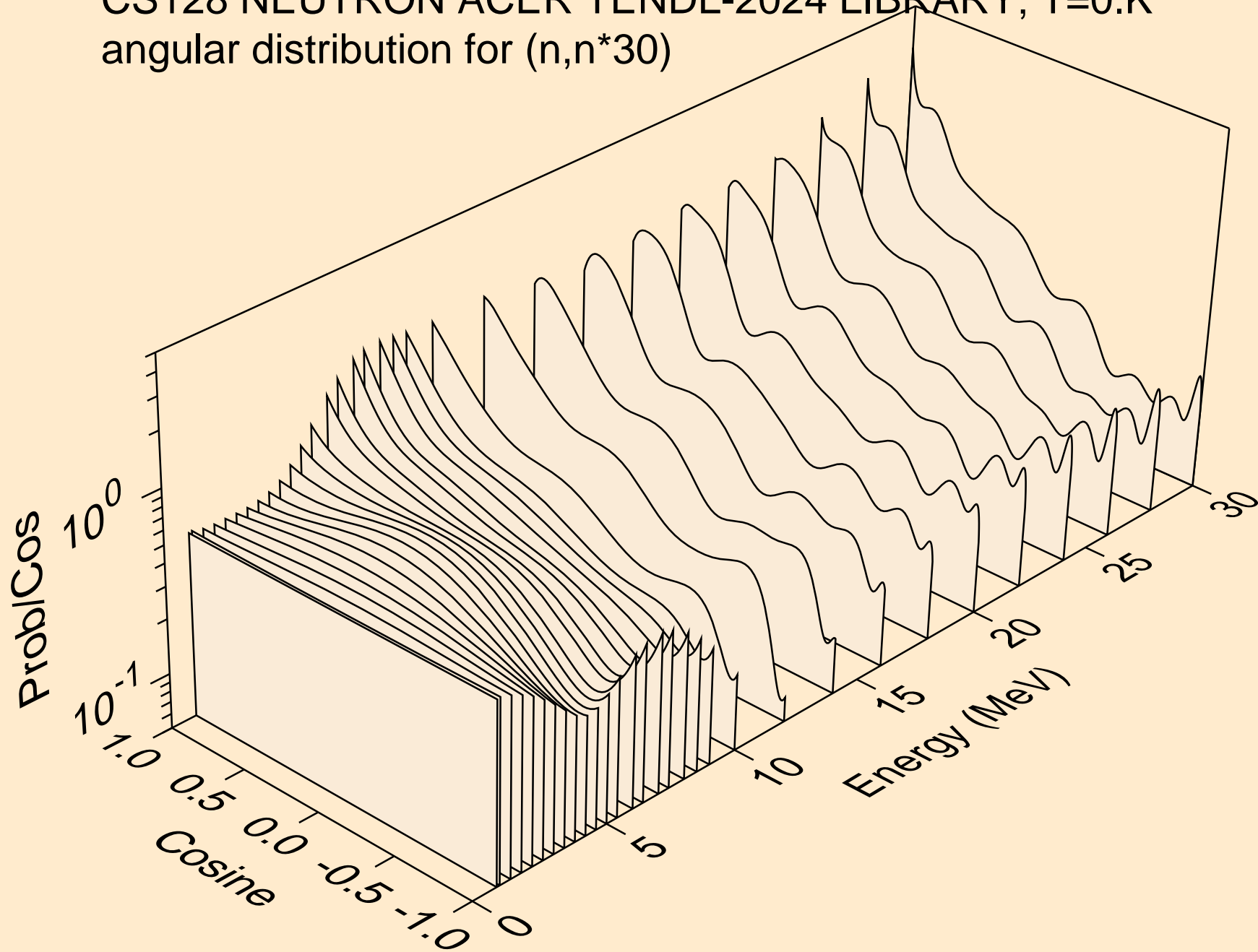
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



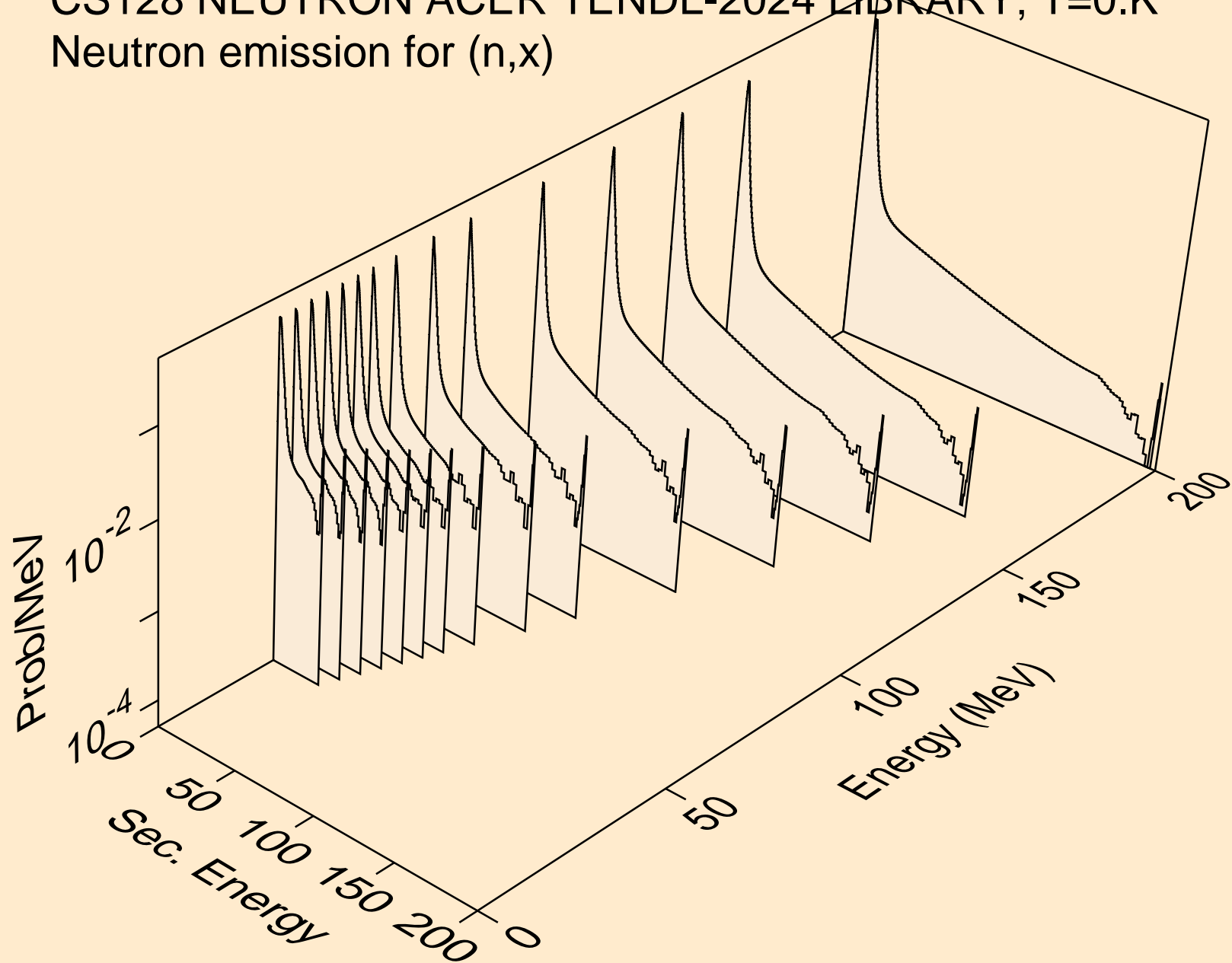
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



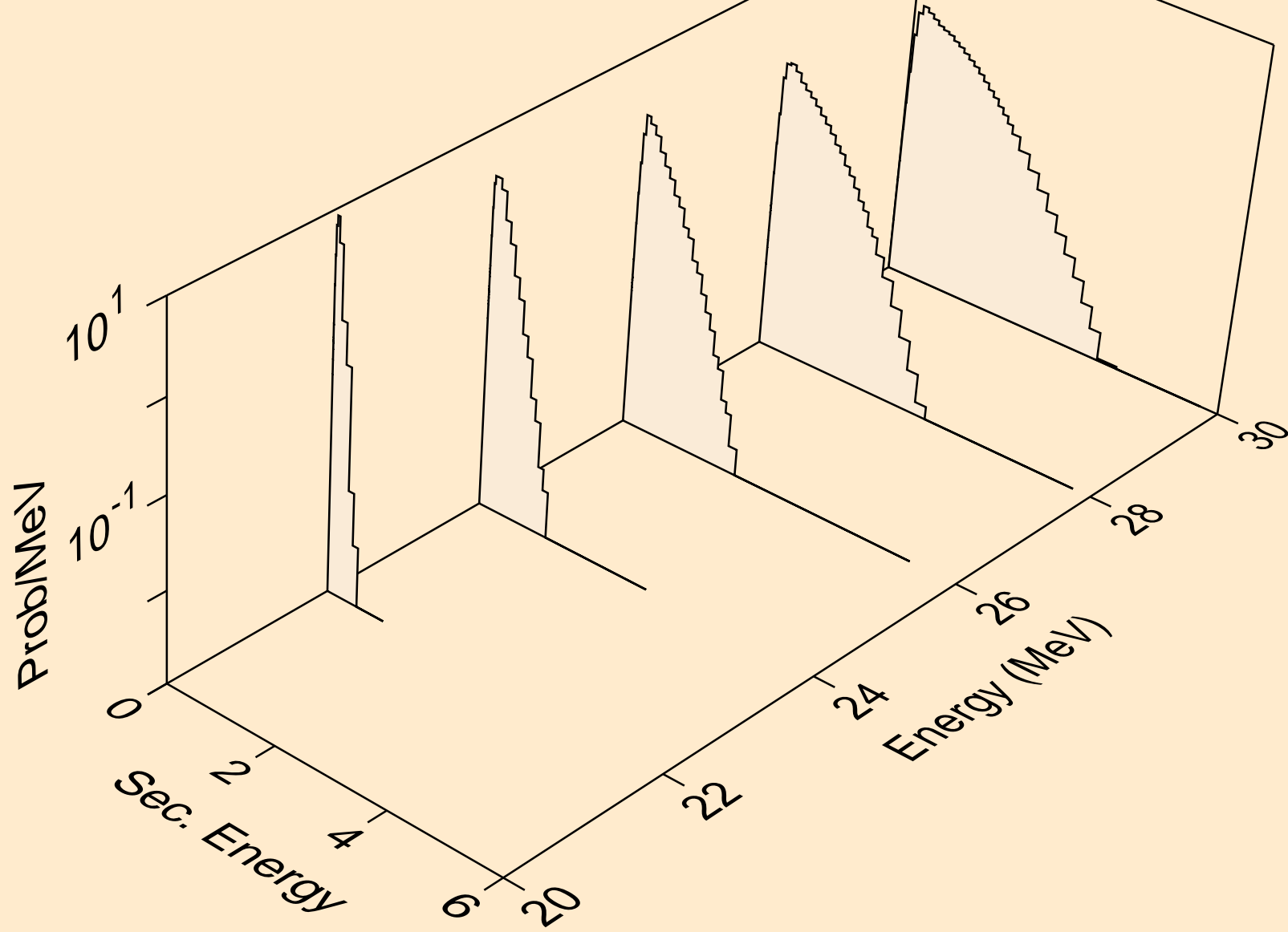
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



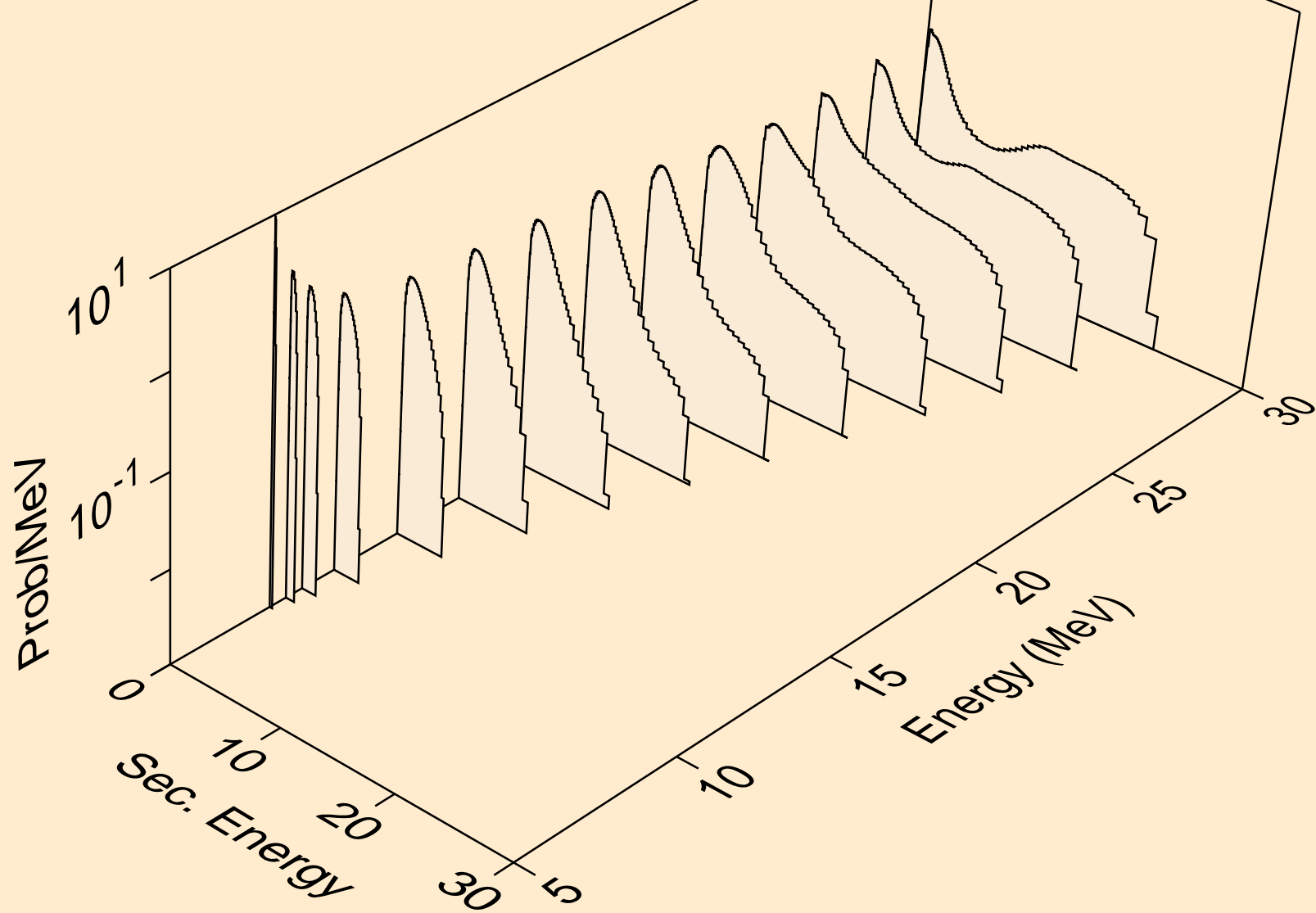
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



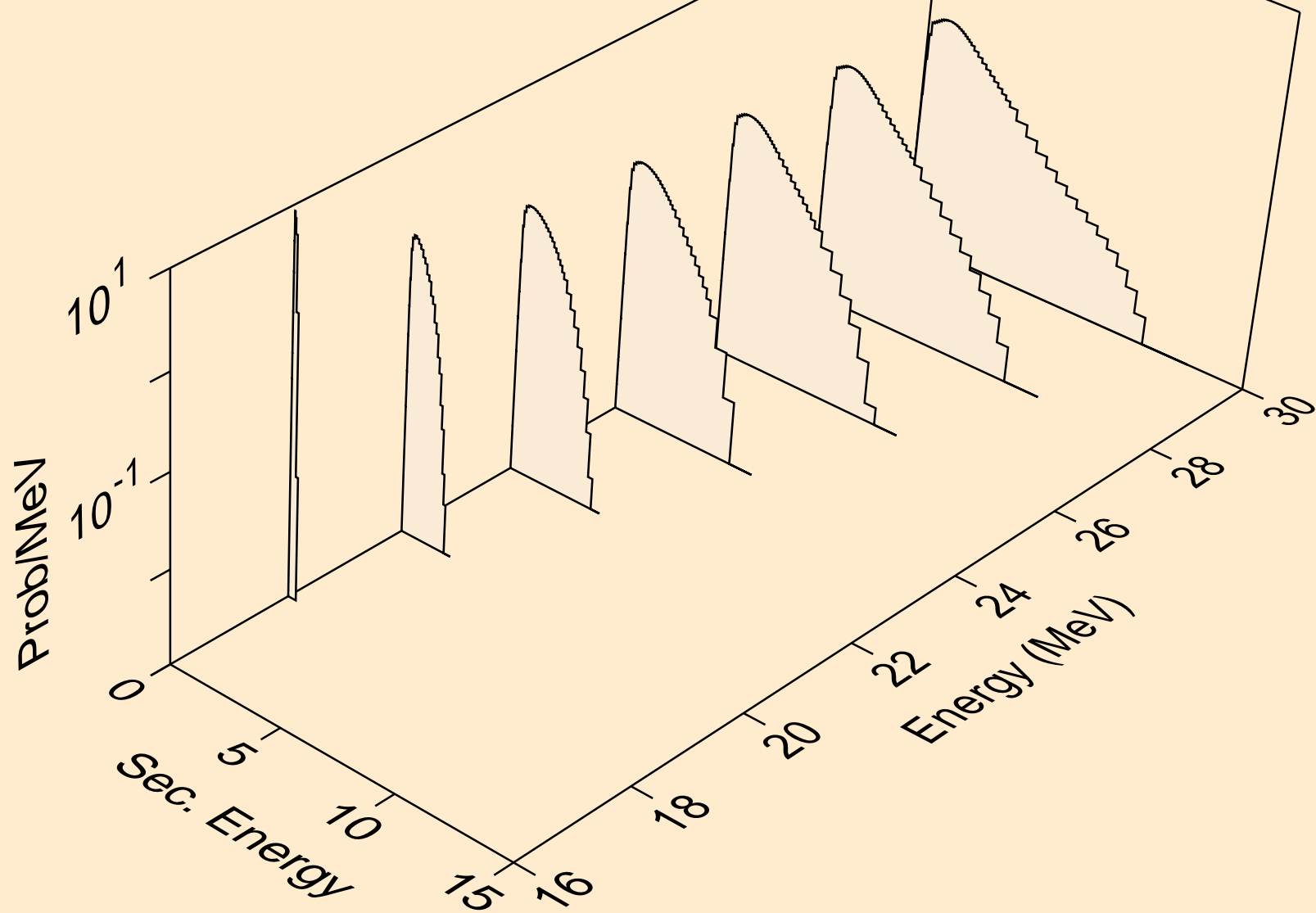
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



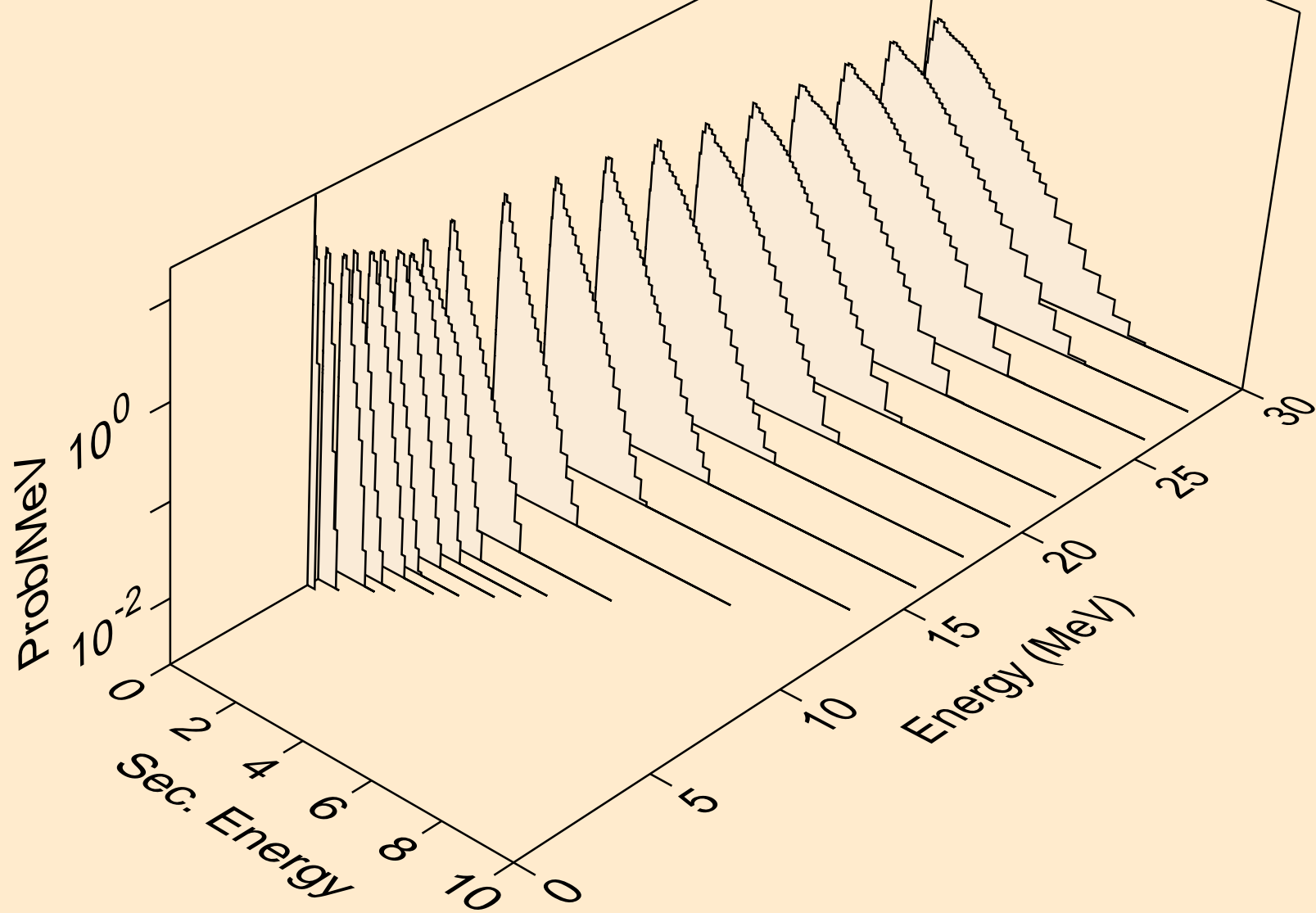
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



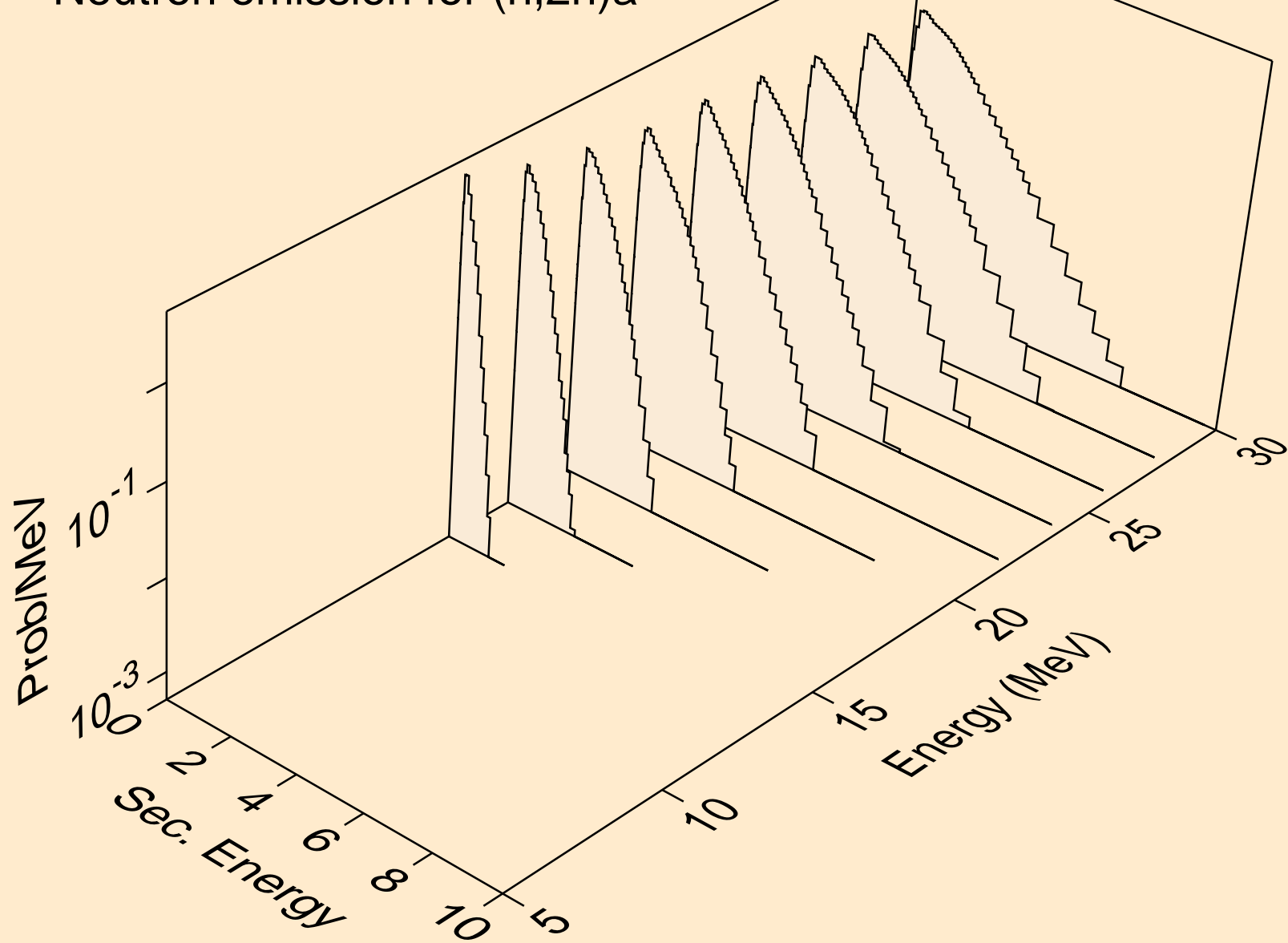
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



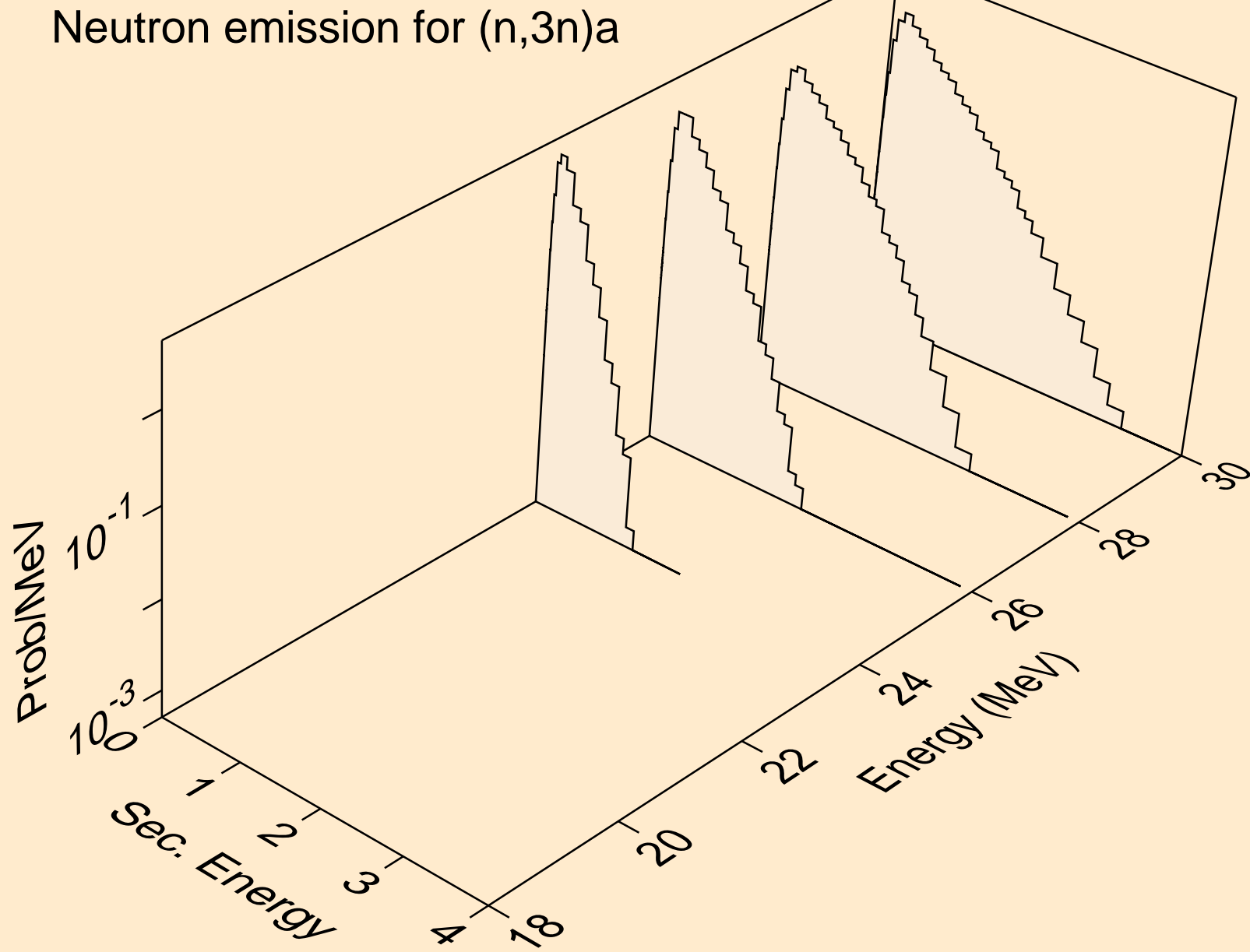
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



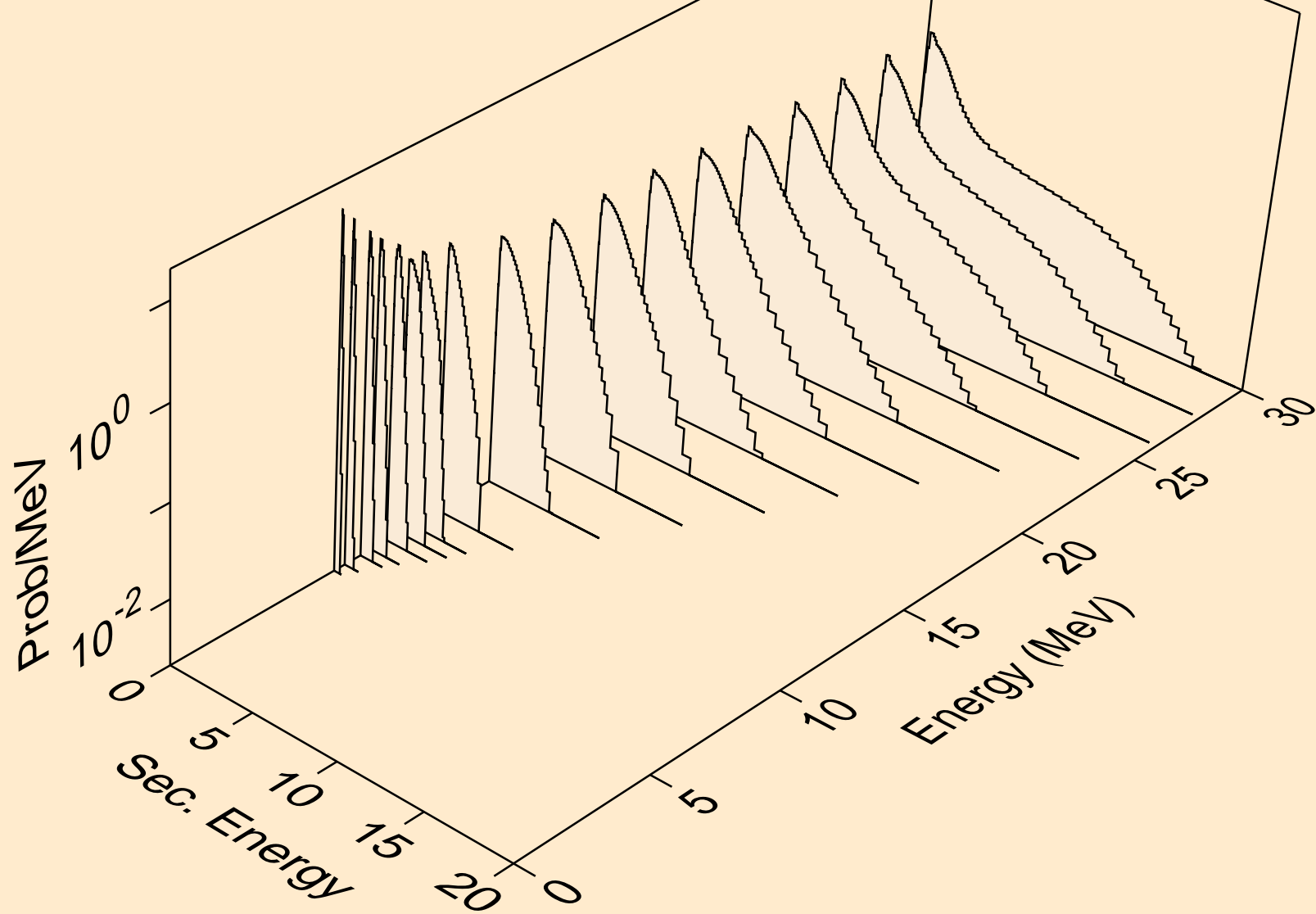
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



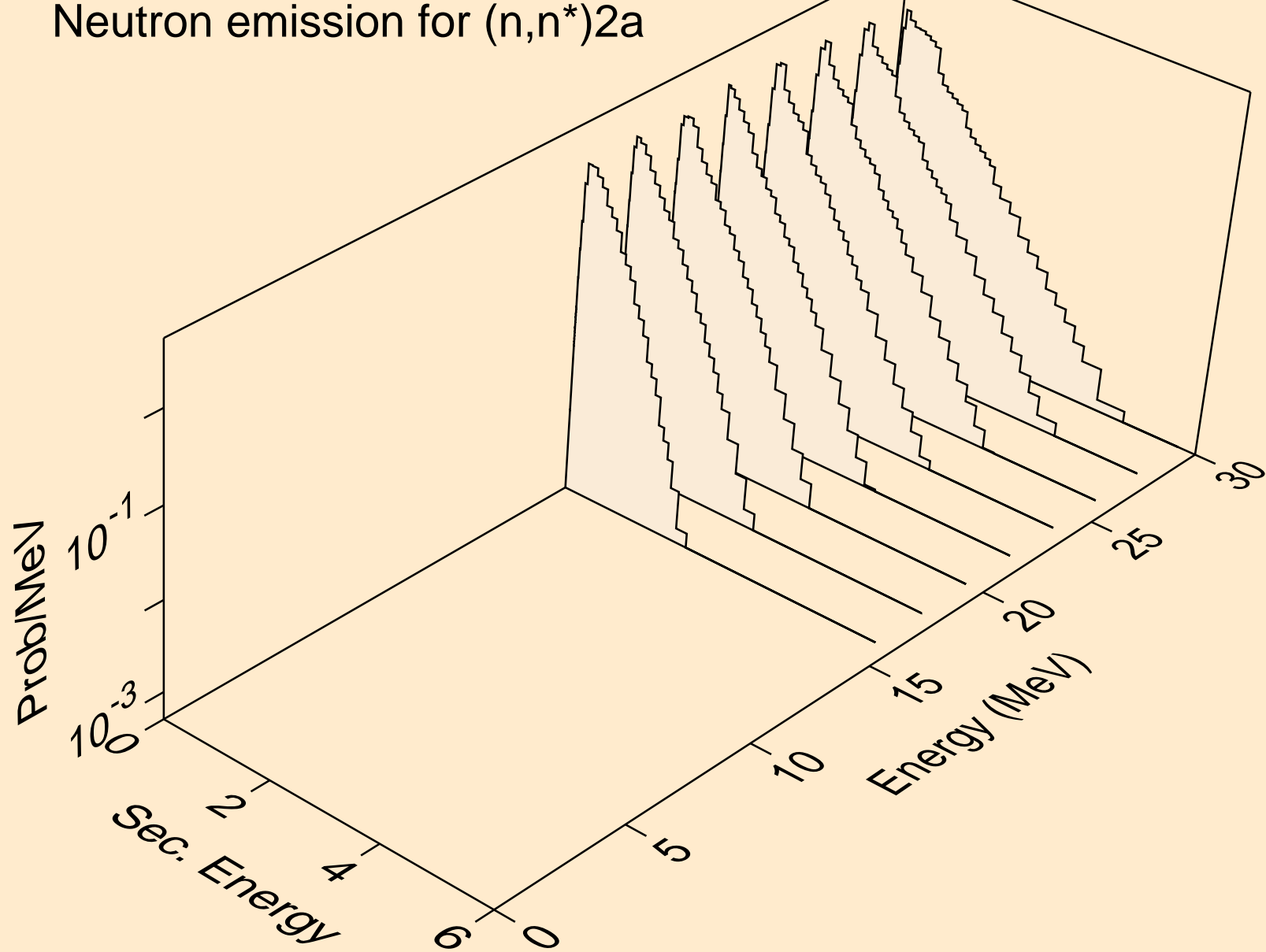
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Neutron emission for (n,3n)a



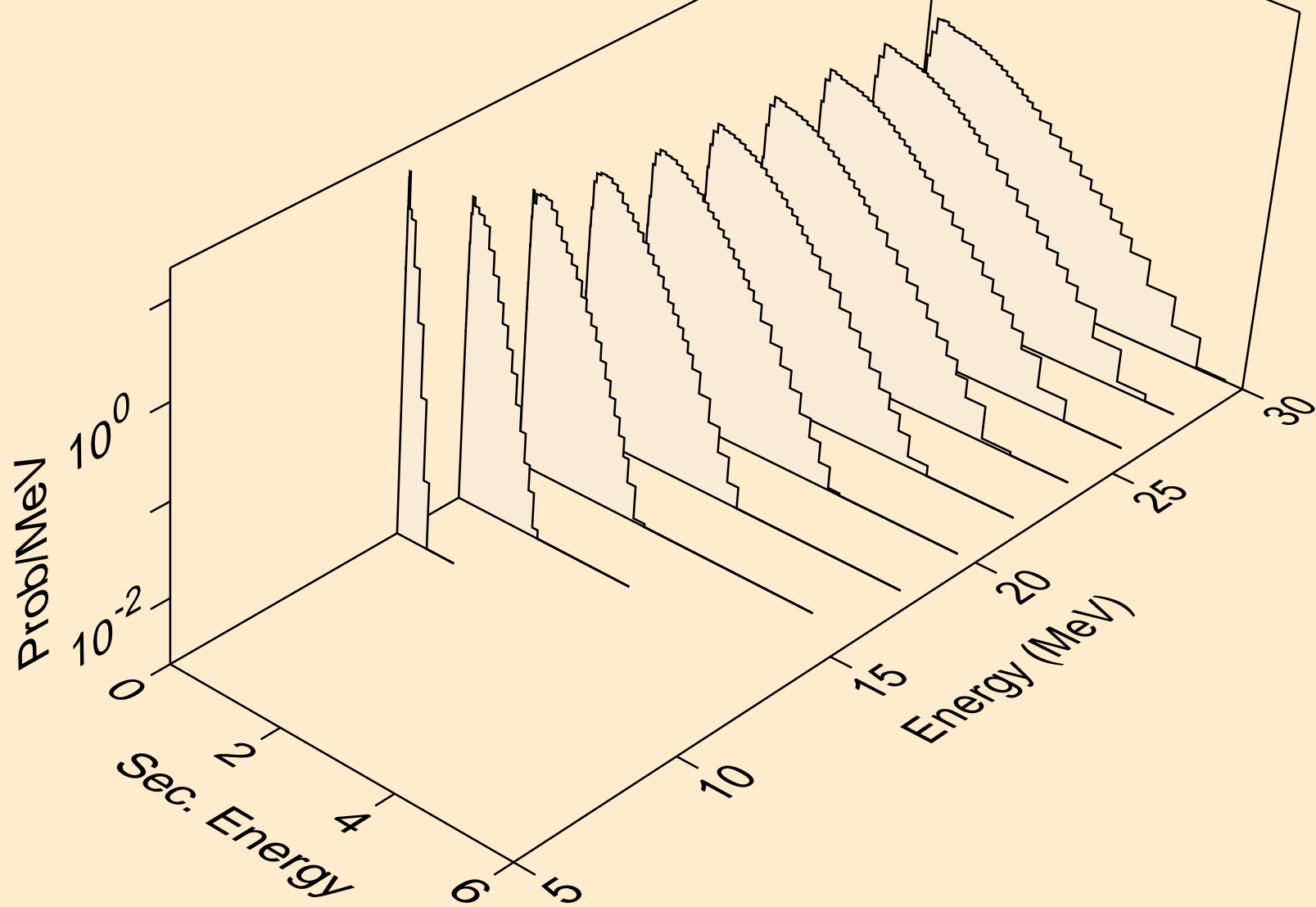
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Neutron emission for (n,n\*)p



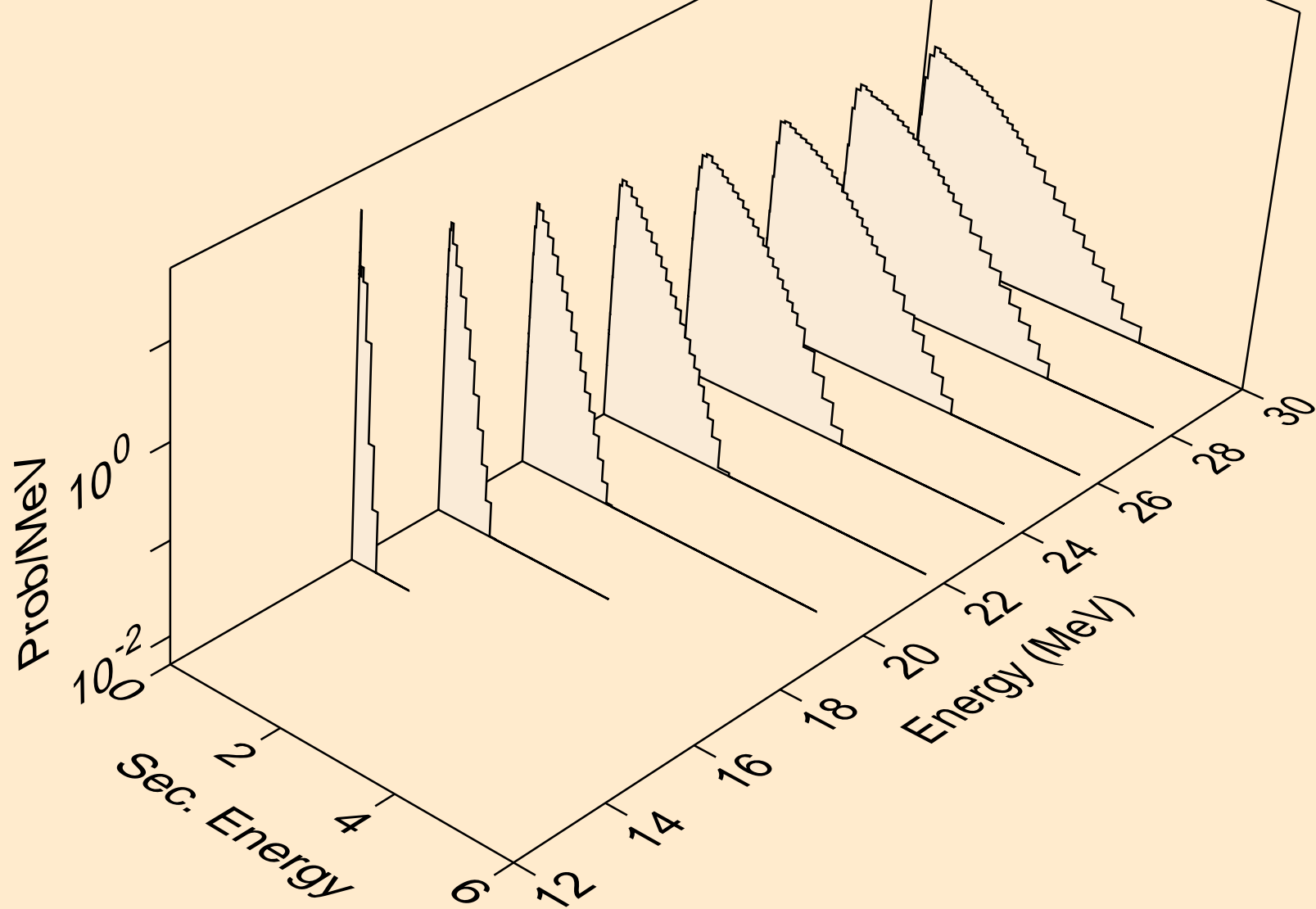
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Neutron emission for (n,n\*)2a



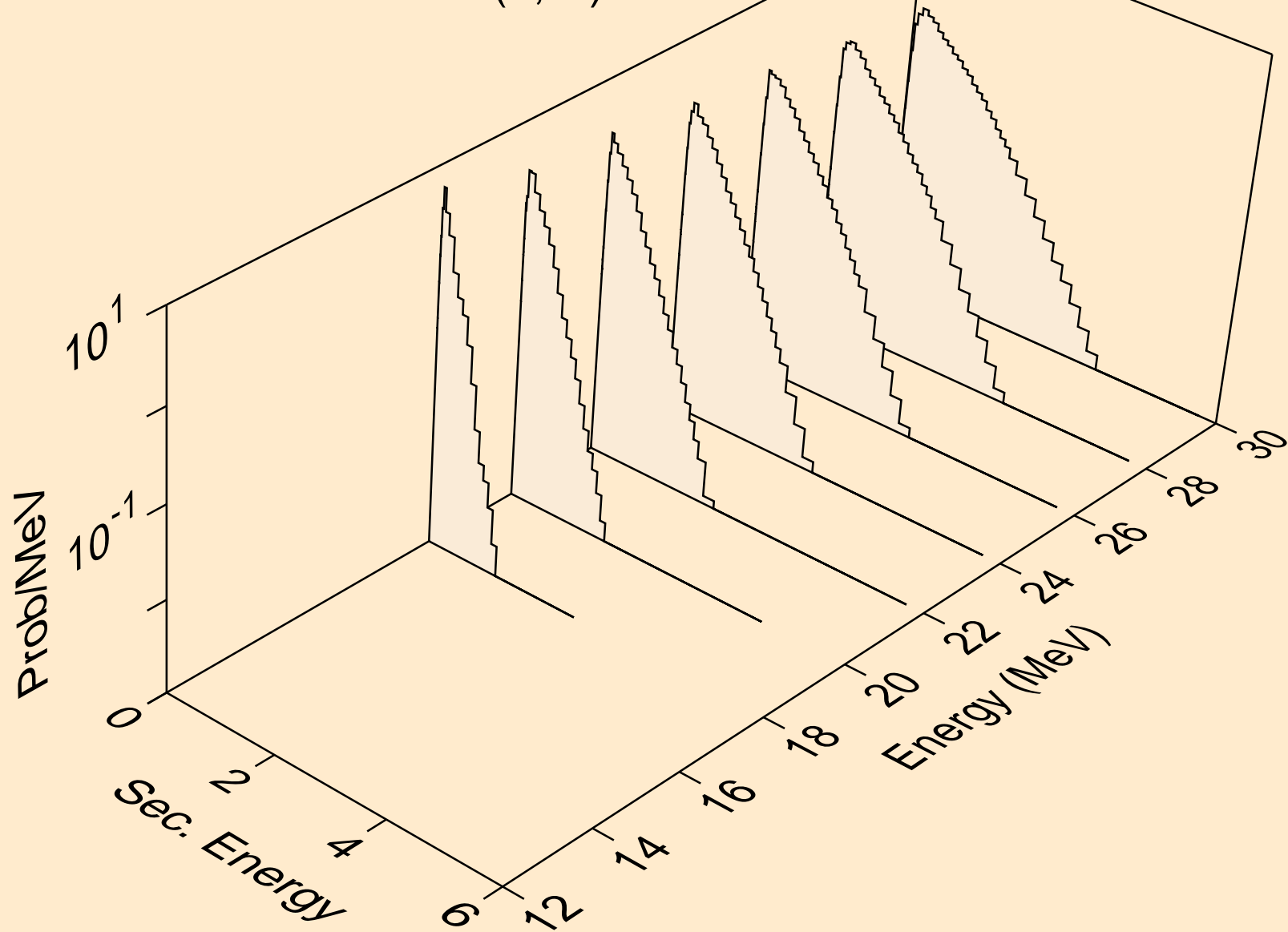
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



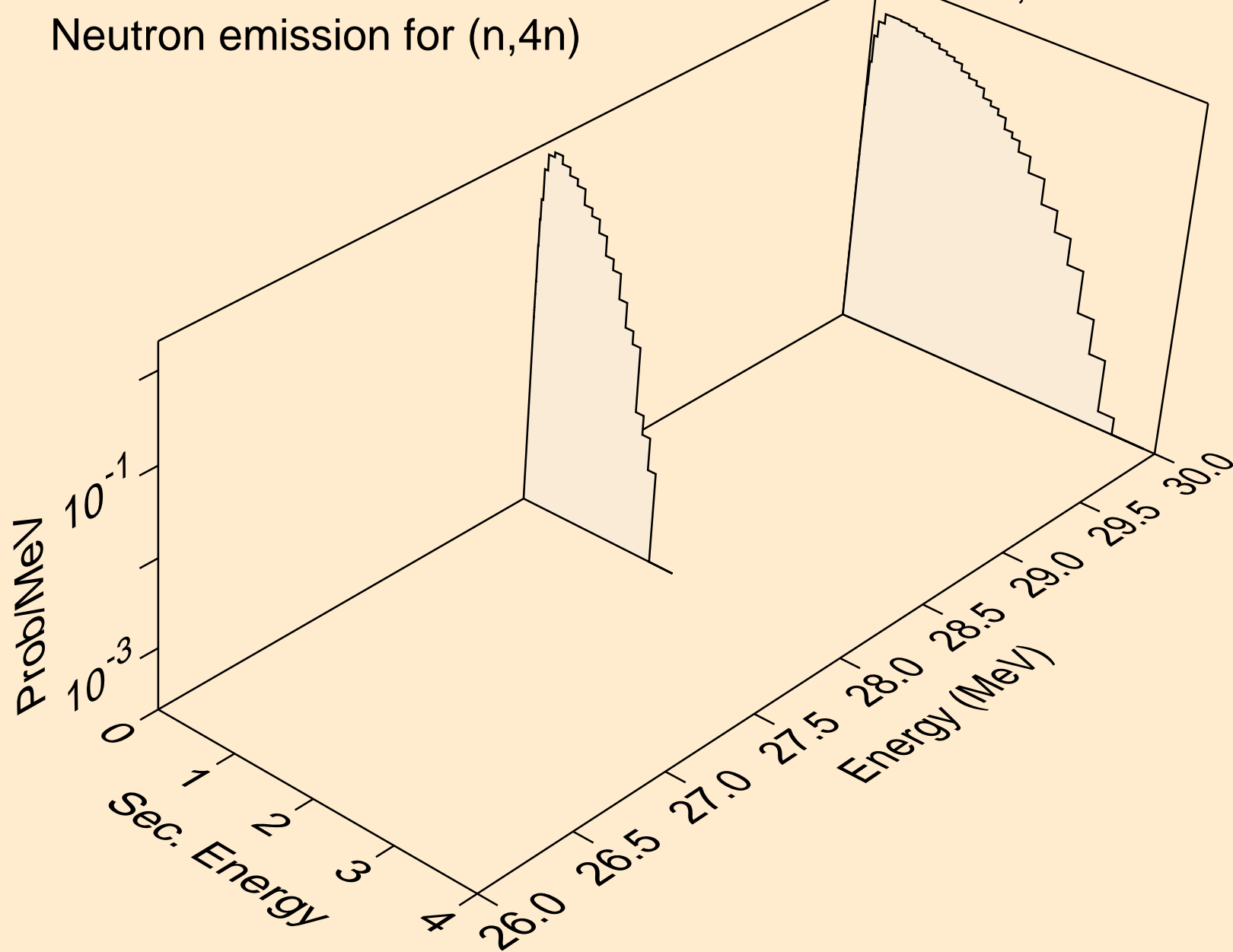
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



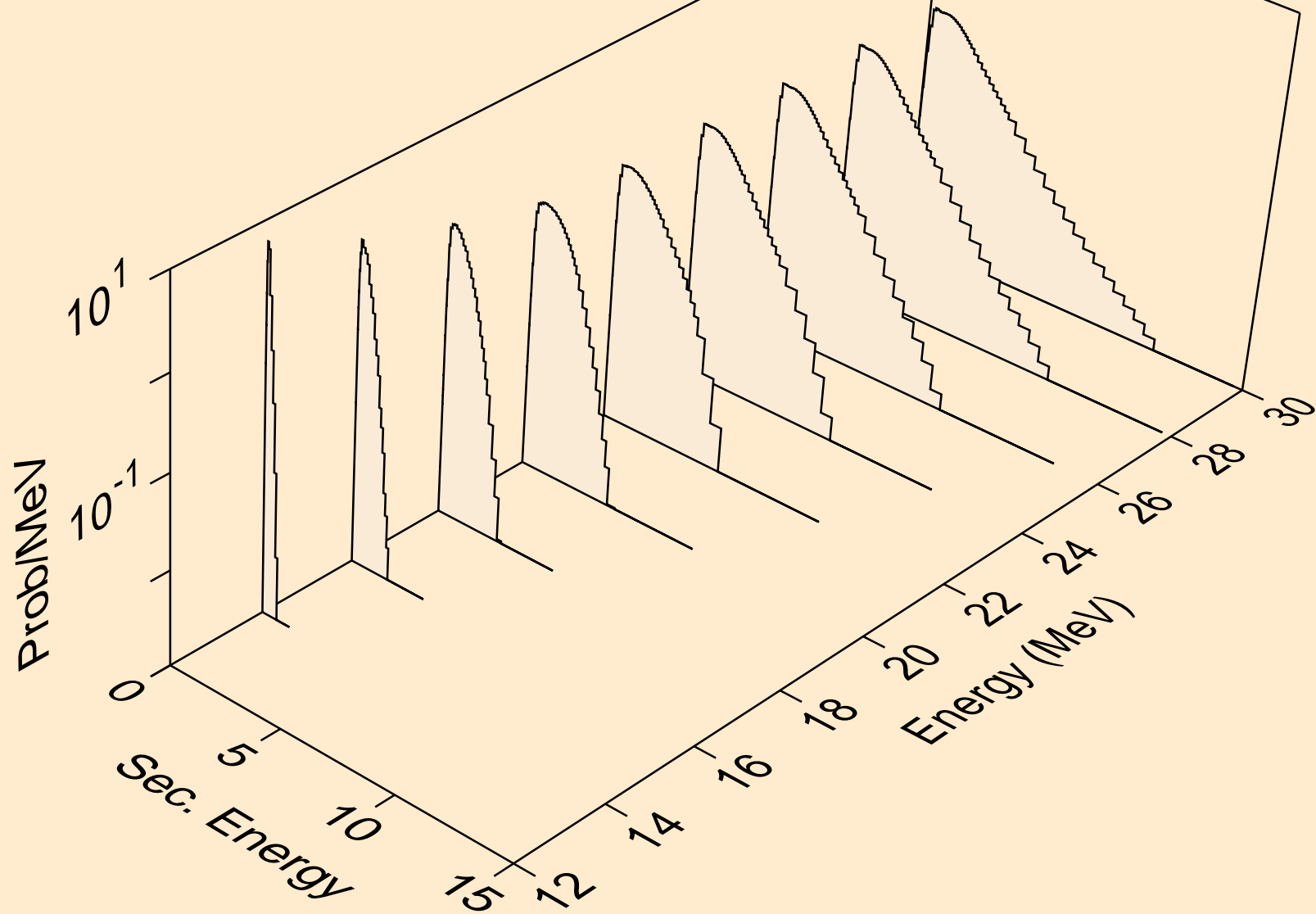
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



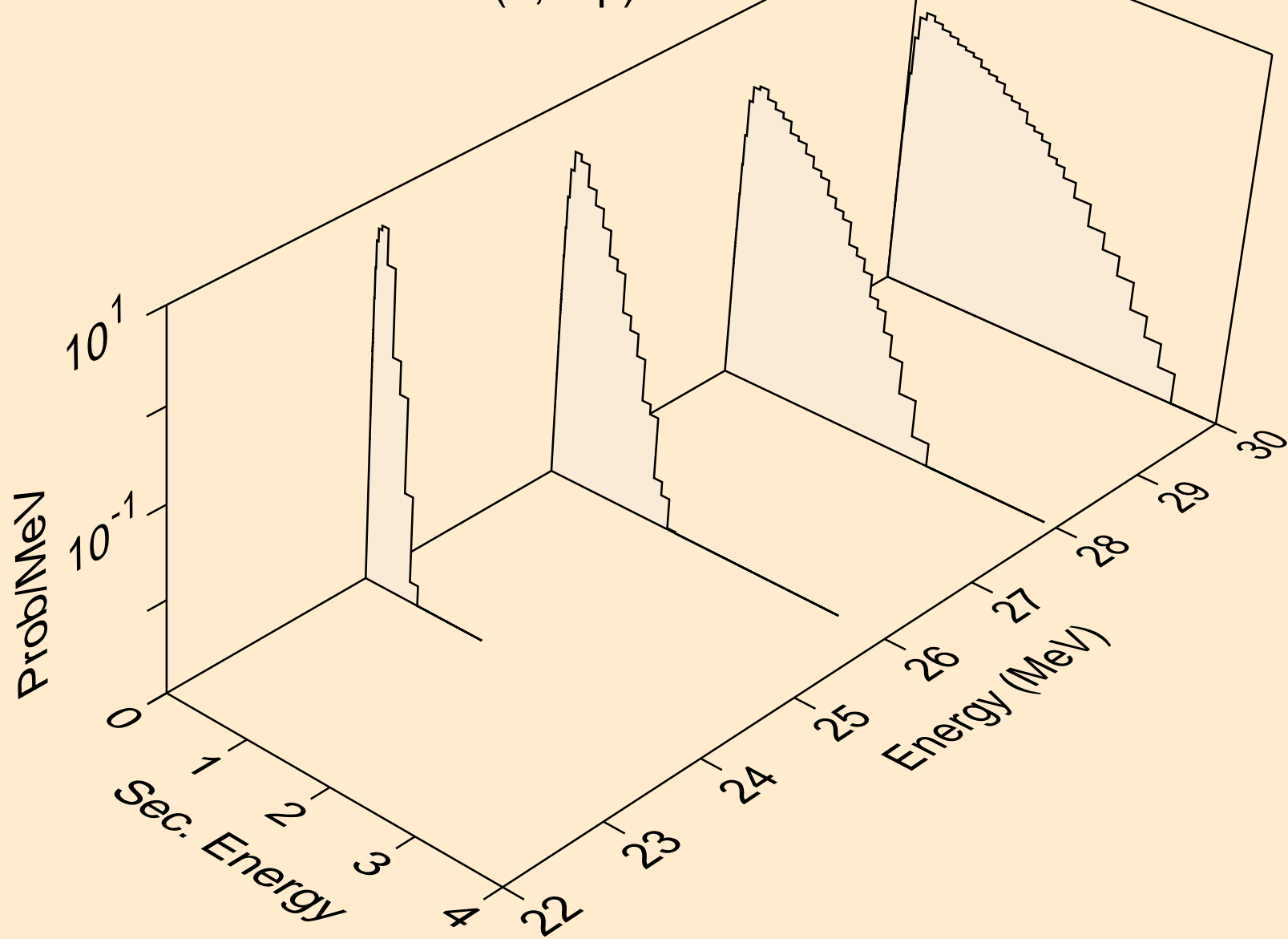
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



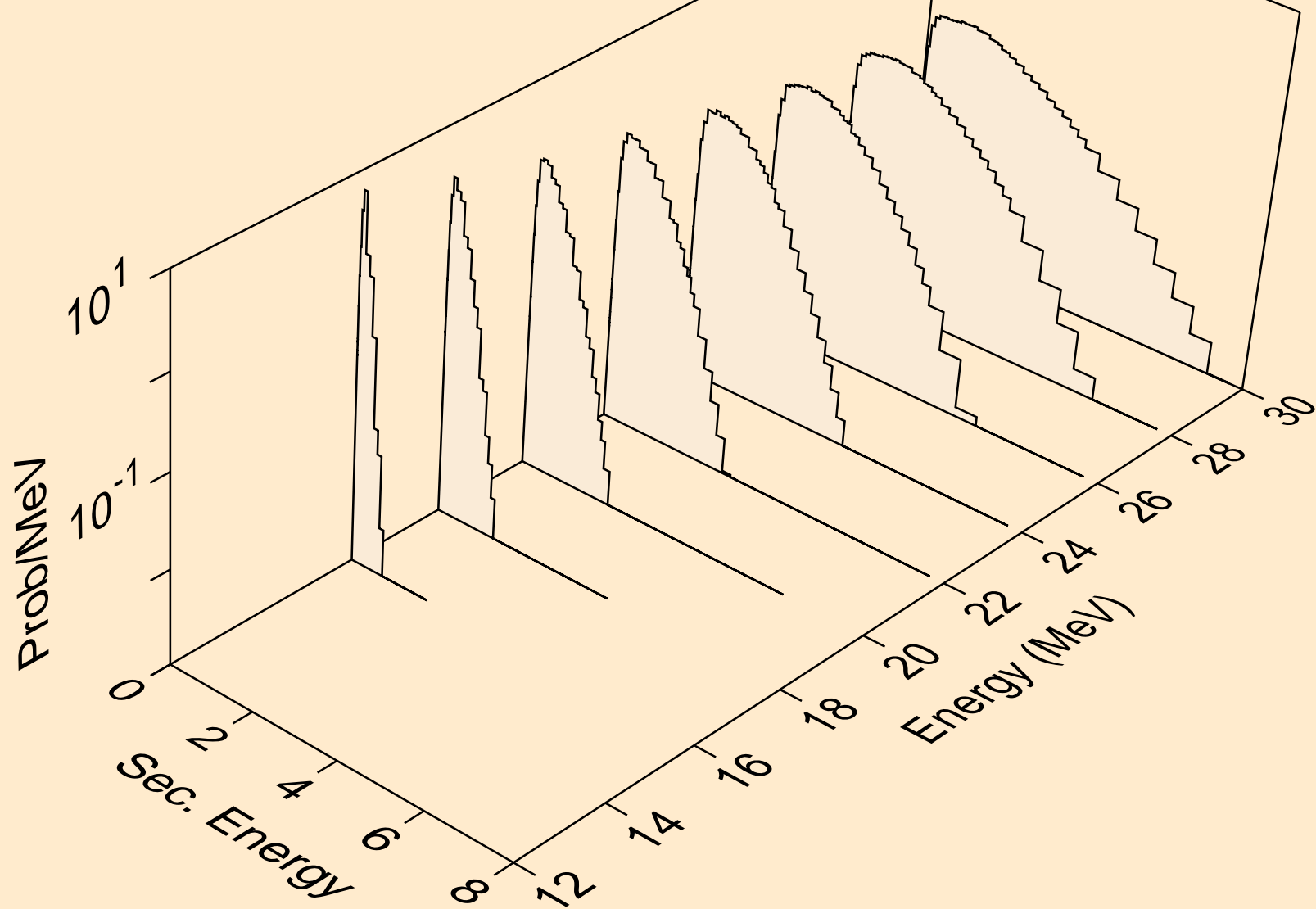
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Neutron emission for (n,2np)



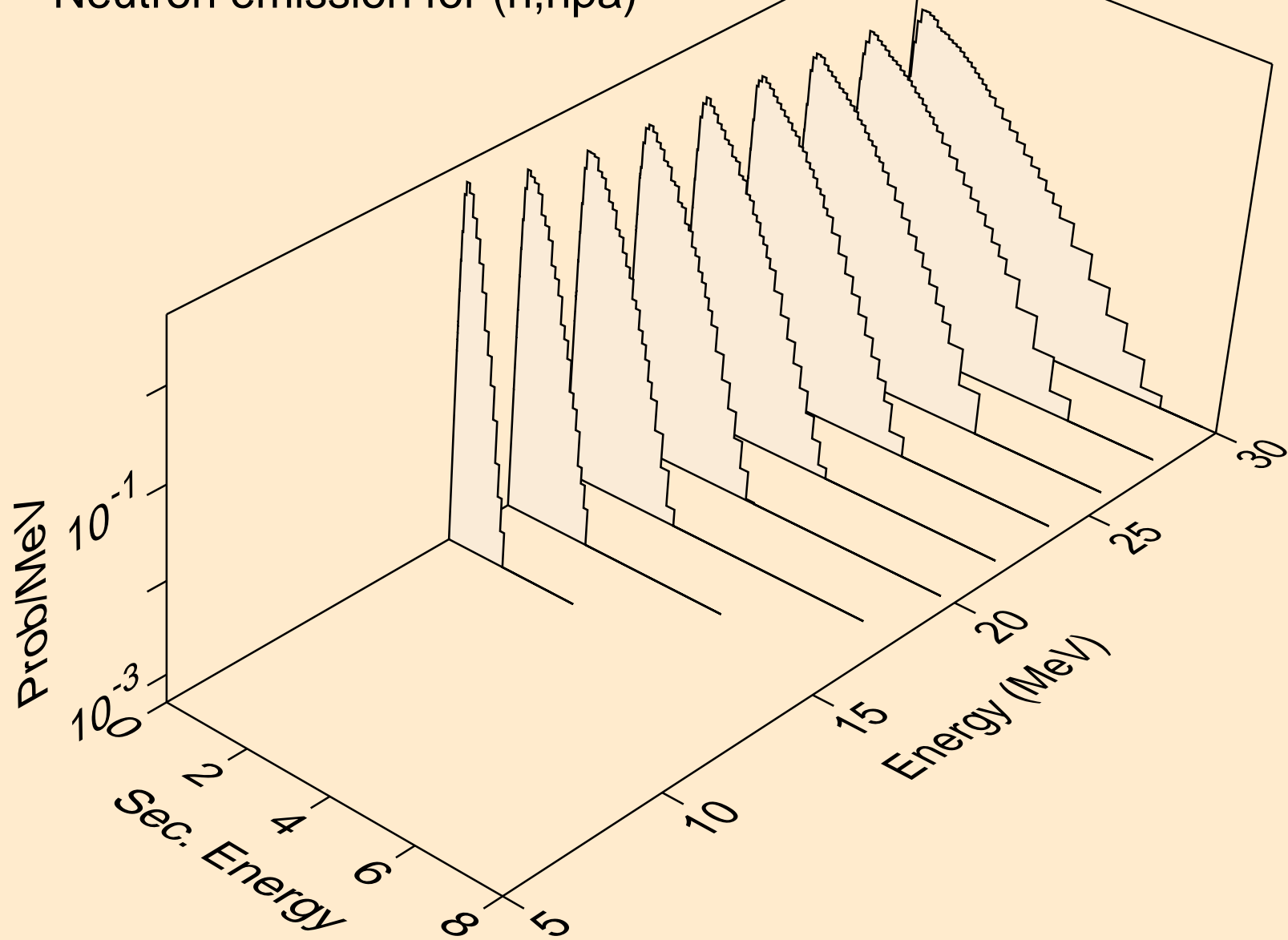
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Neutron emission for (n,3np)



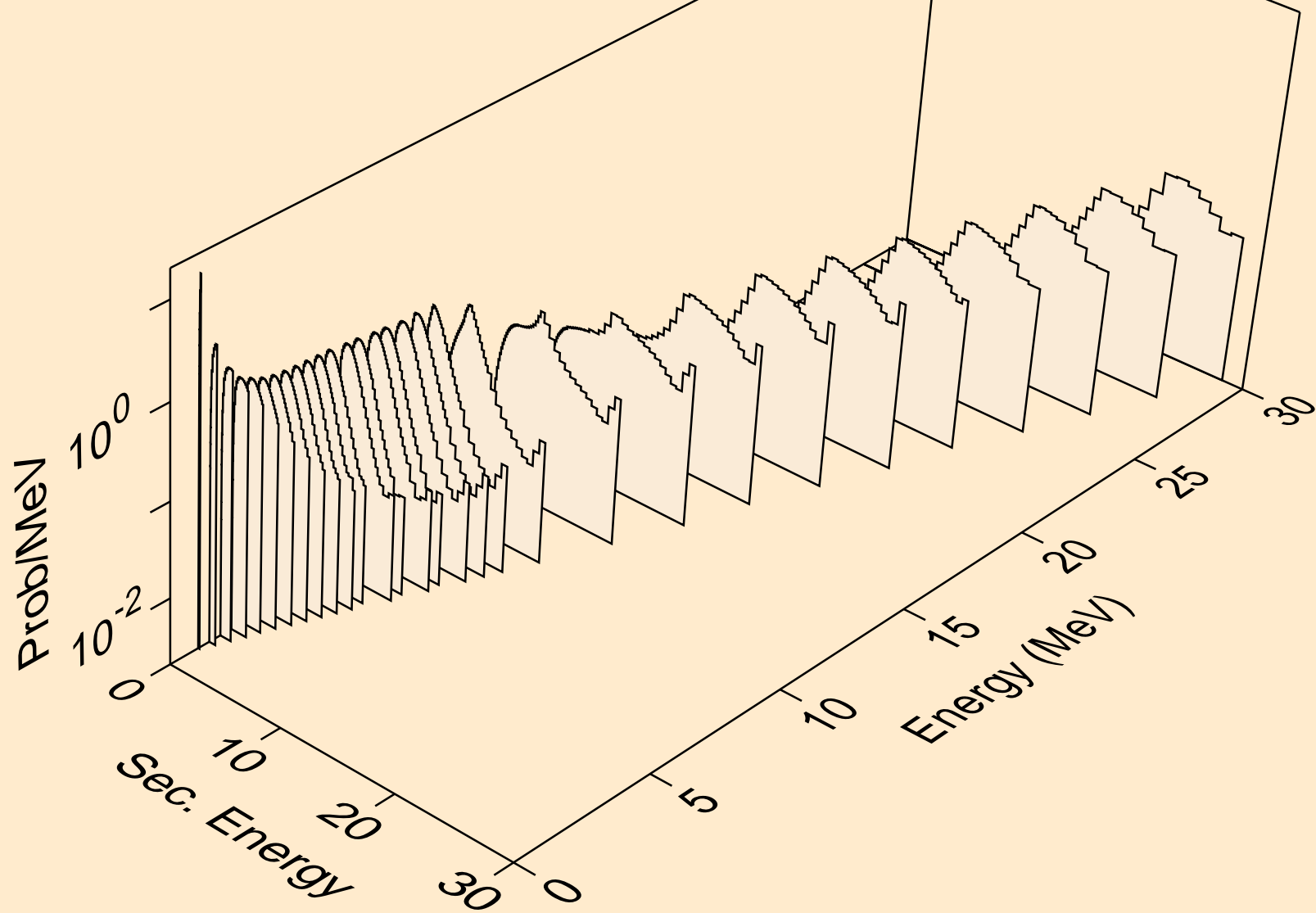
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Neutron emission for (n,n2p)



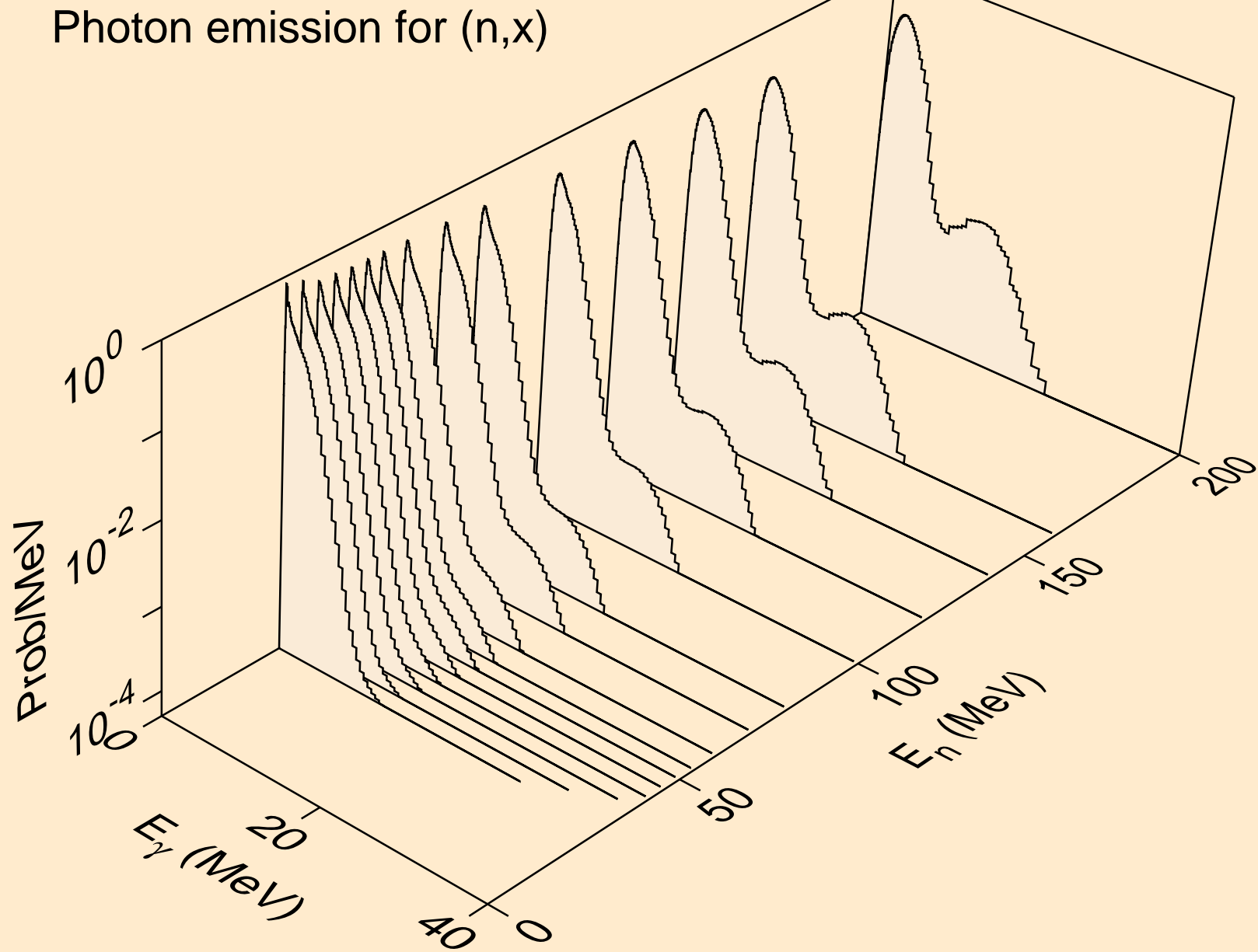
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Neutron emission for (n,npa)



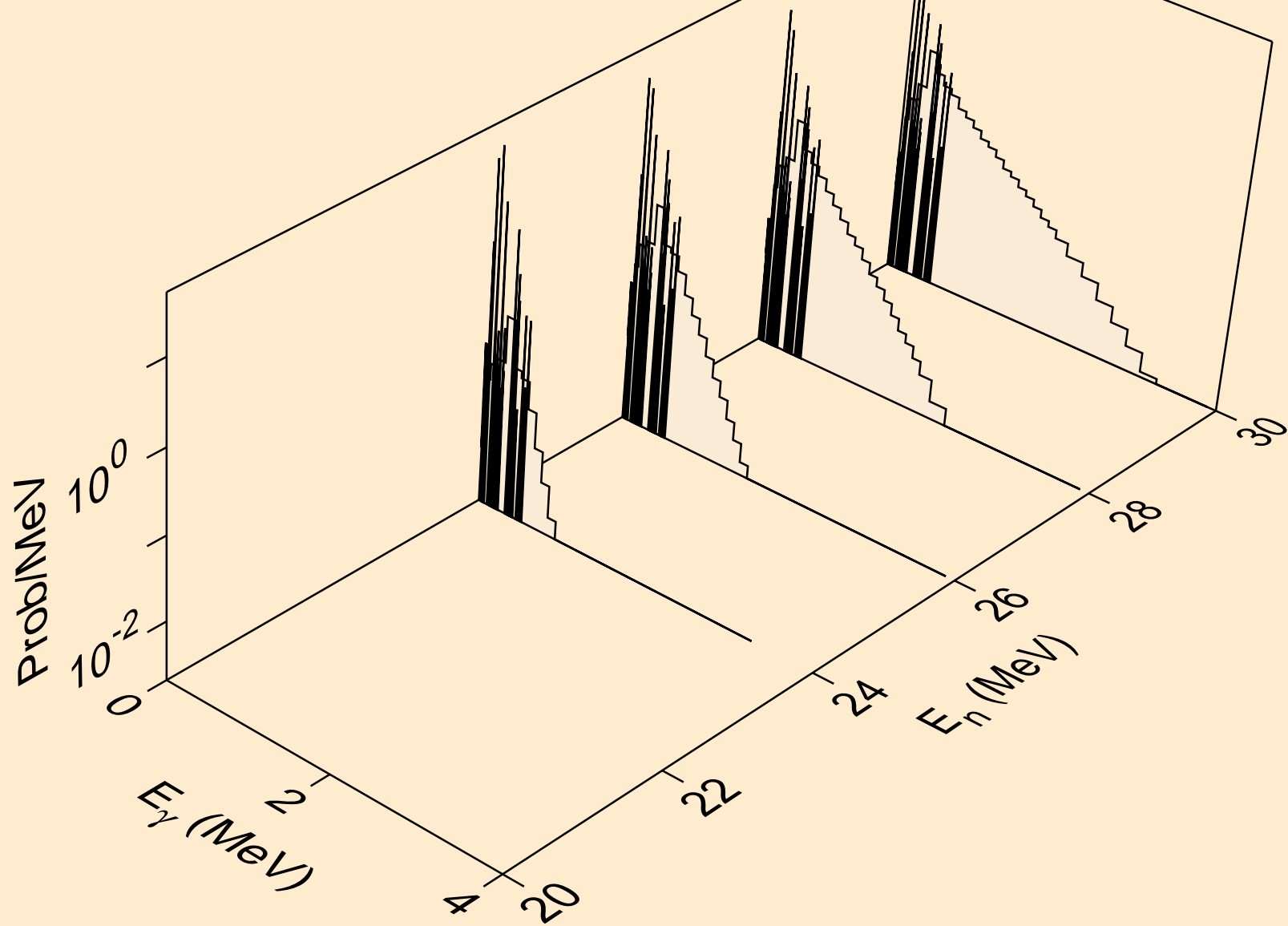
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Neutron emission for (n,n\*c)



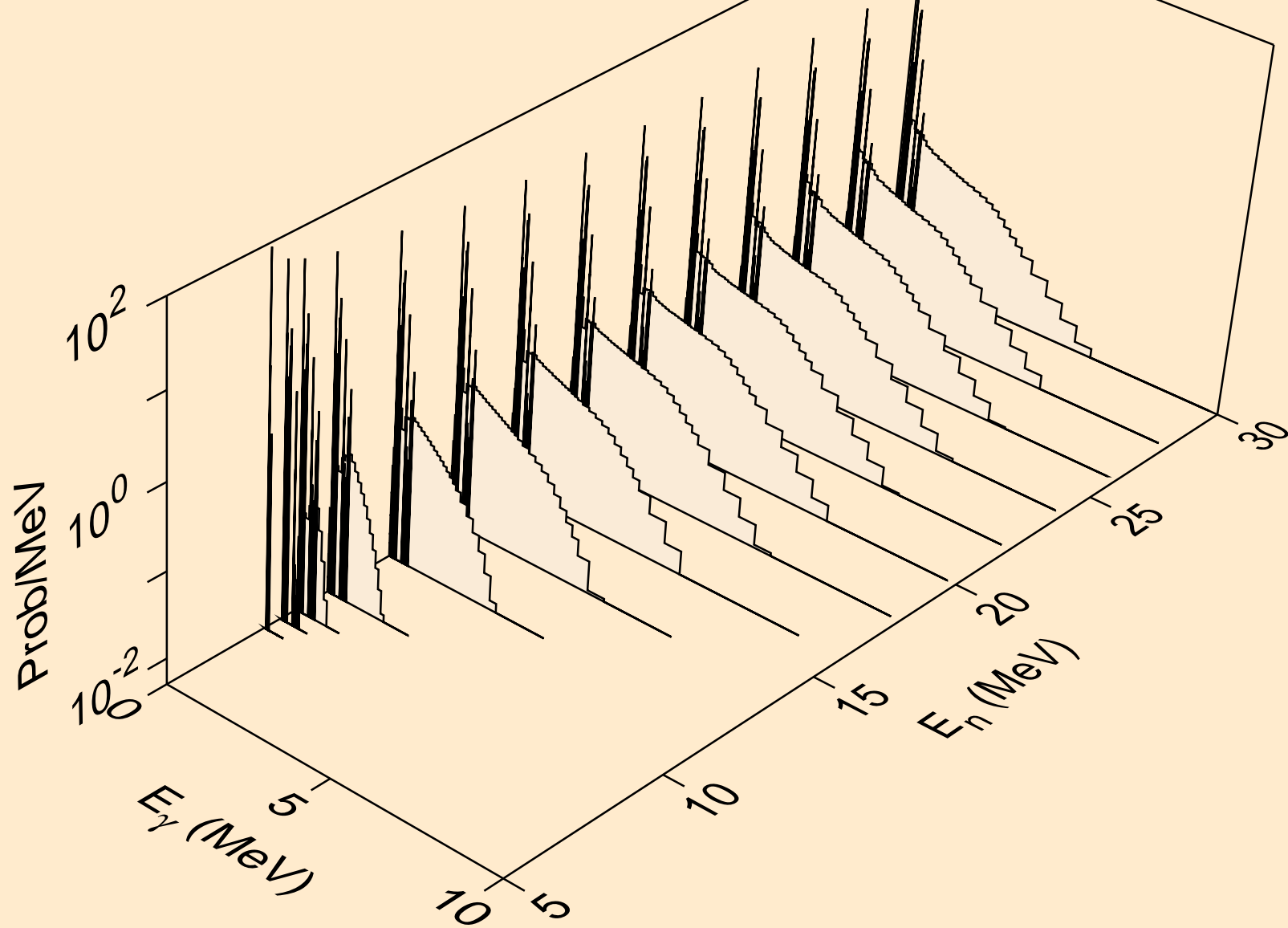
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



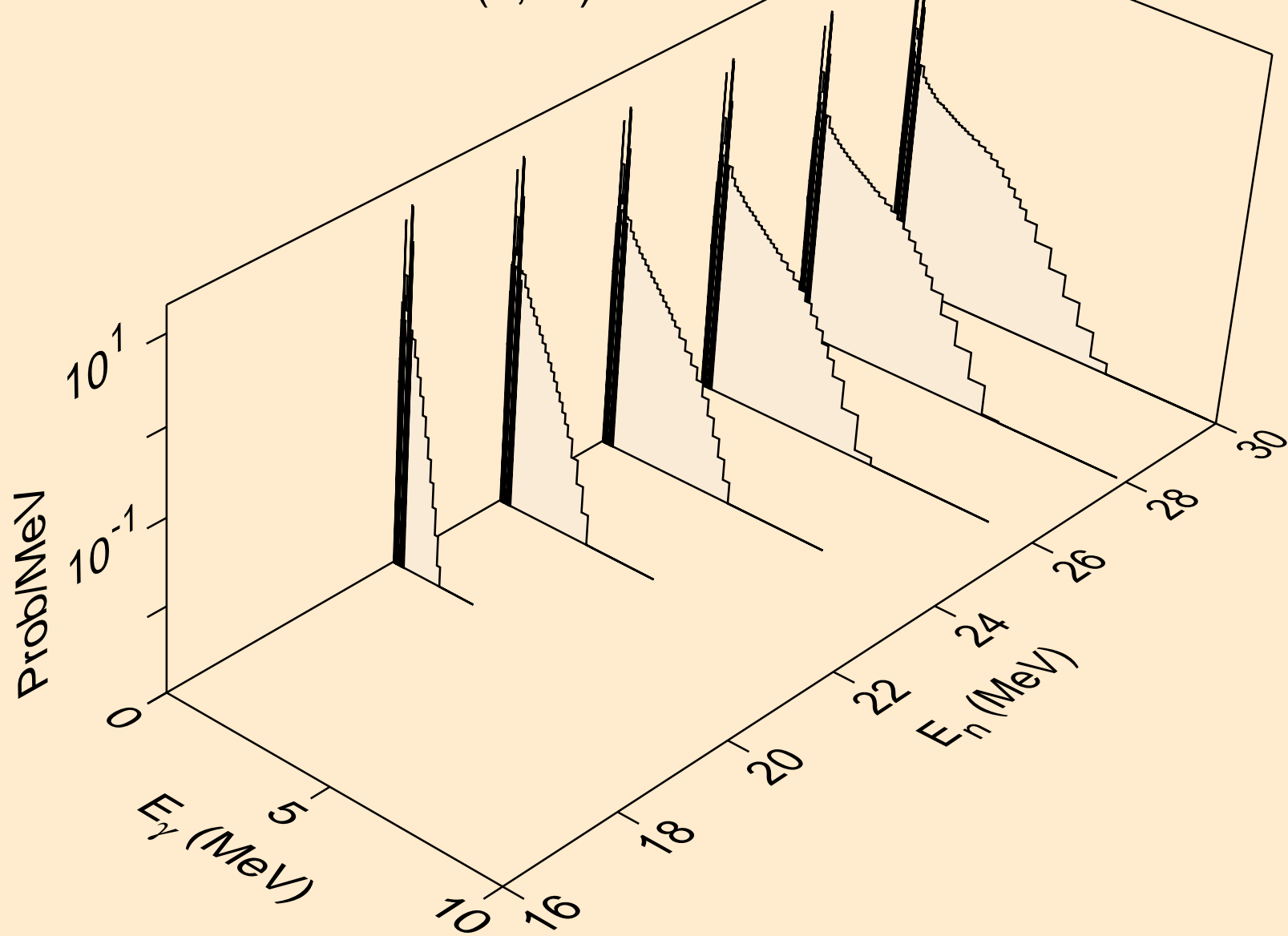
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Photon emission for (n,2nd)



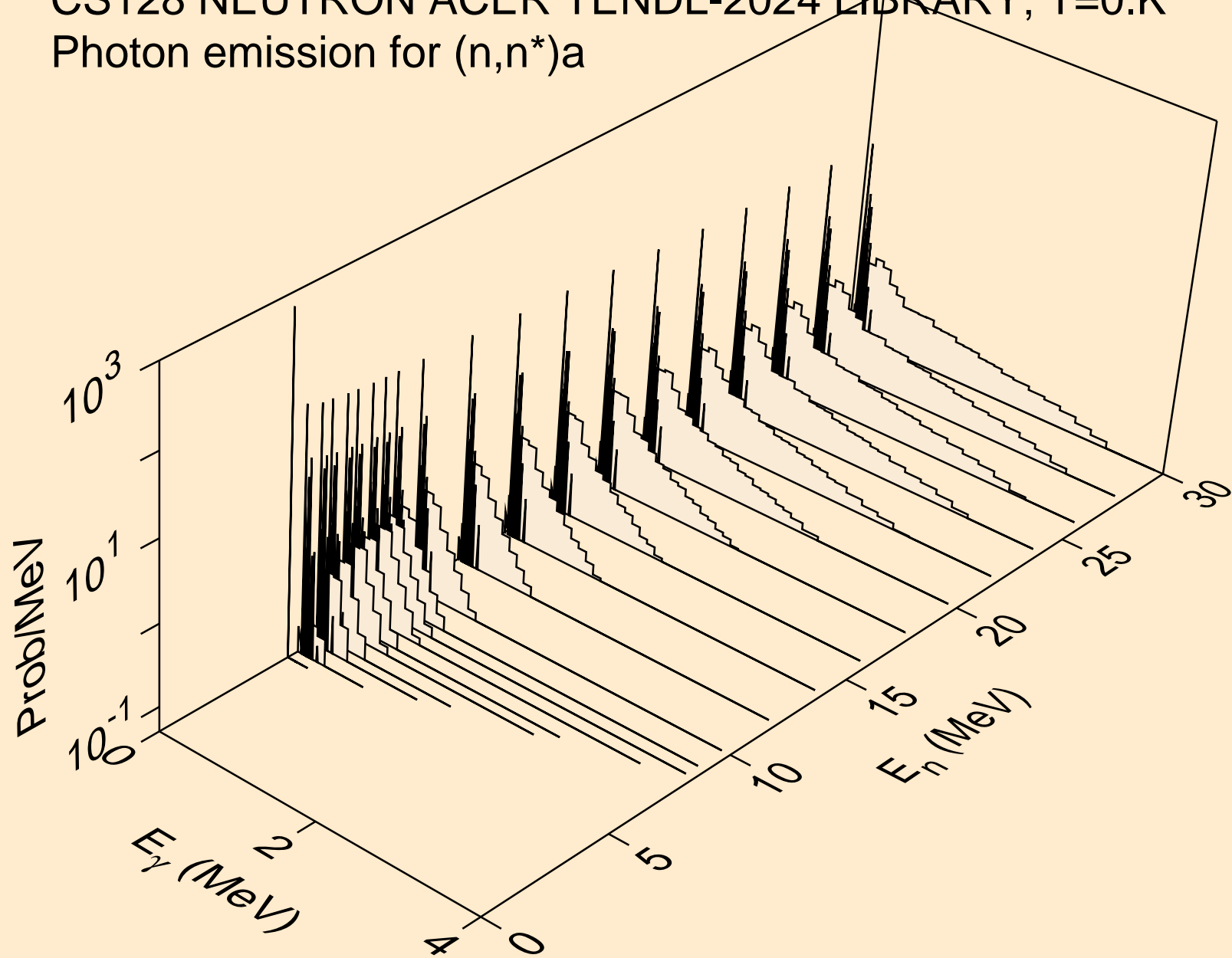
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Photon emission for (n,2n)



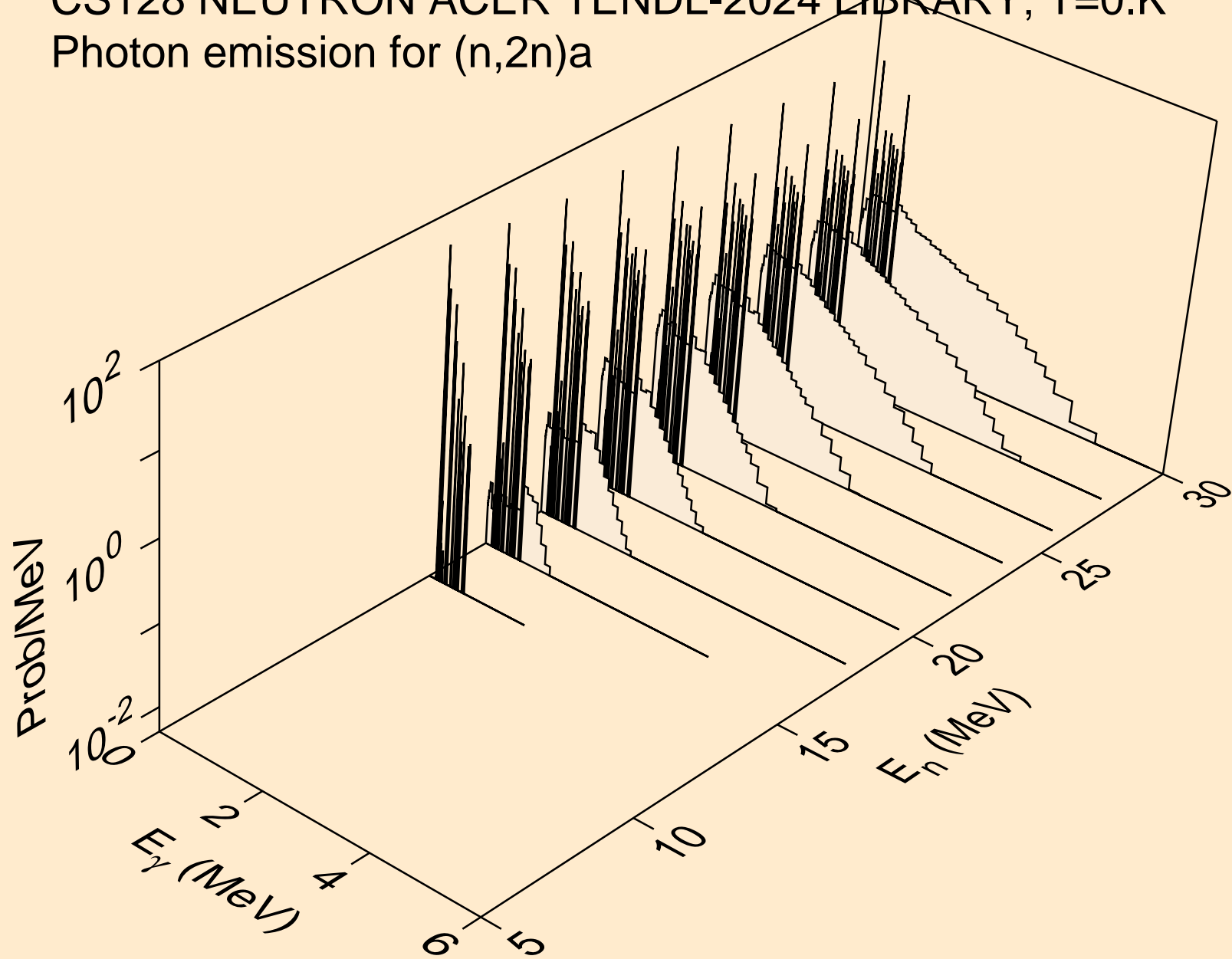
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Photon emission for (n,3n)



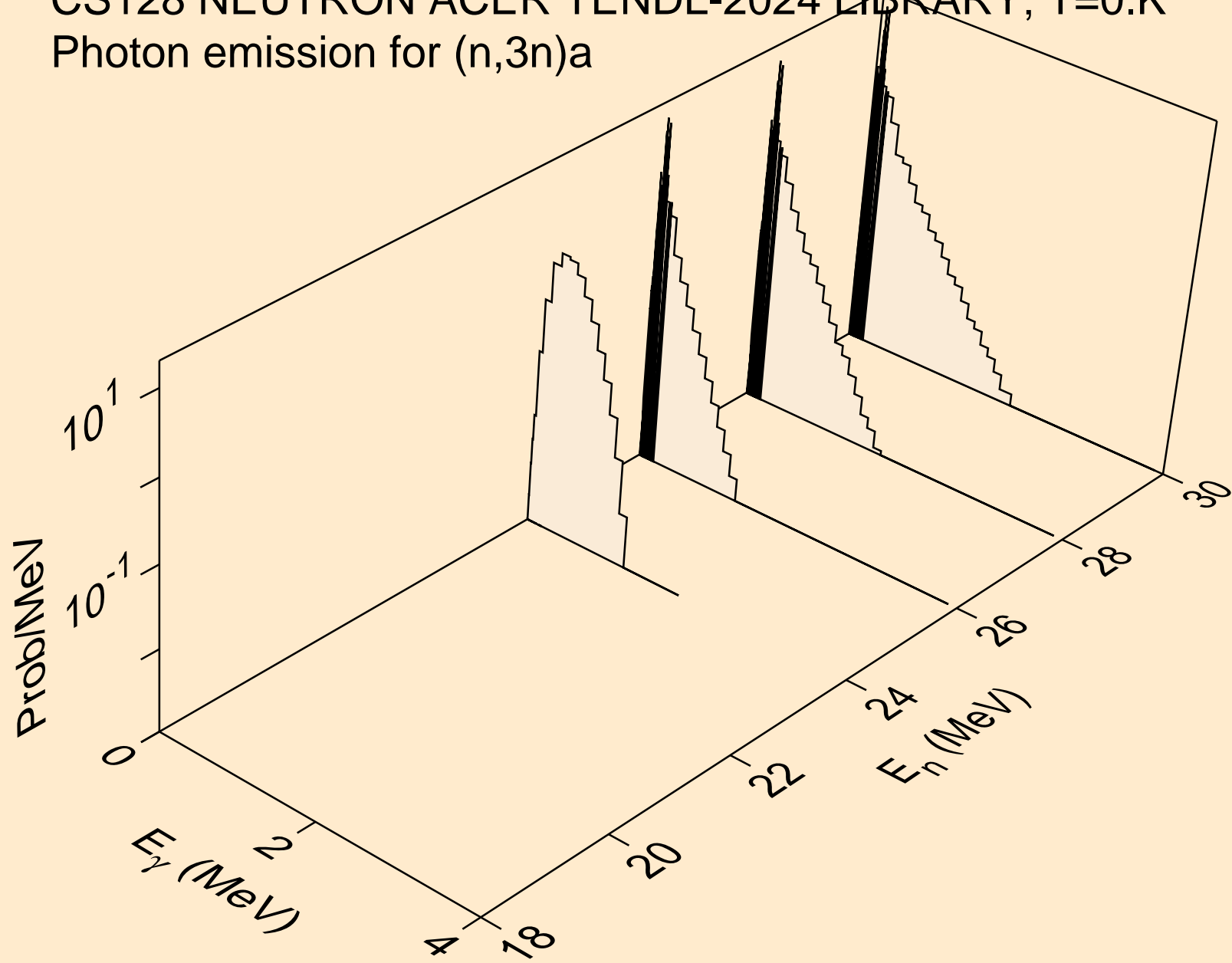
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Photon emission for (n,n\*)a



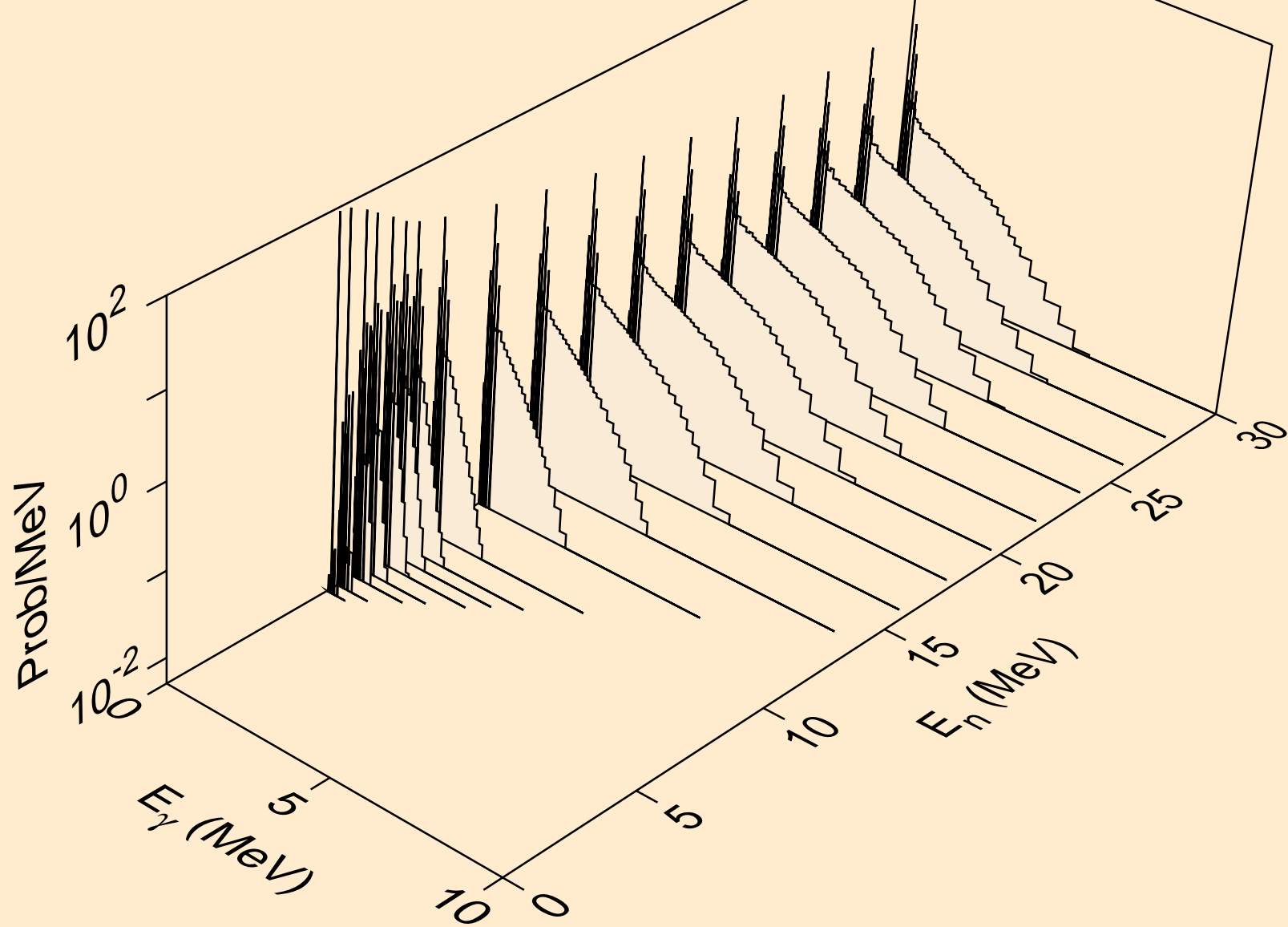
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Photon emission for (n,2n)a



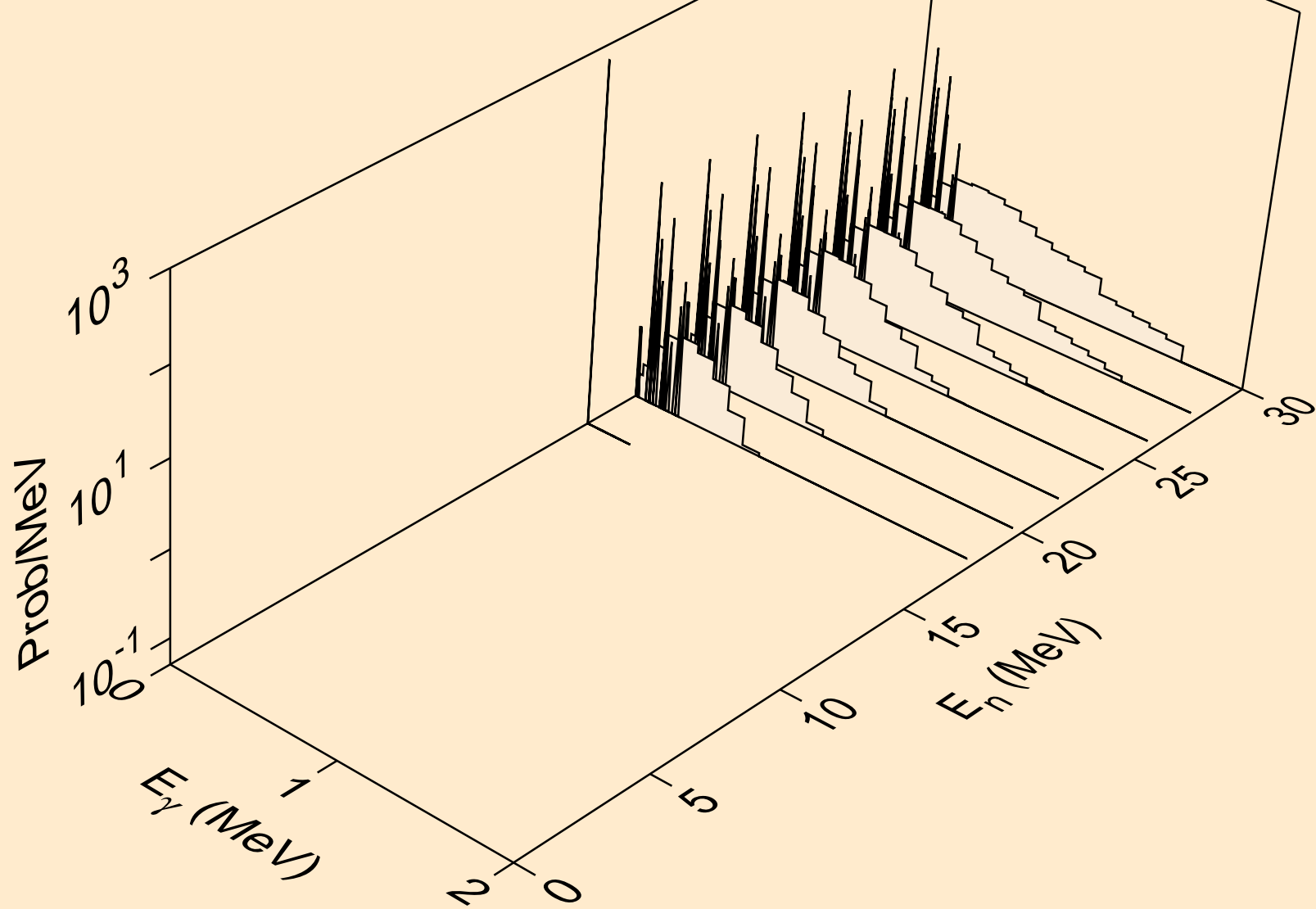
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Photon emission for (n,3n)a



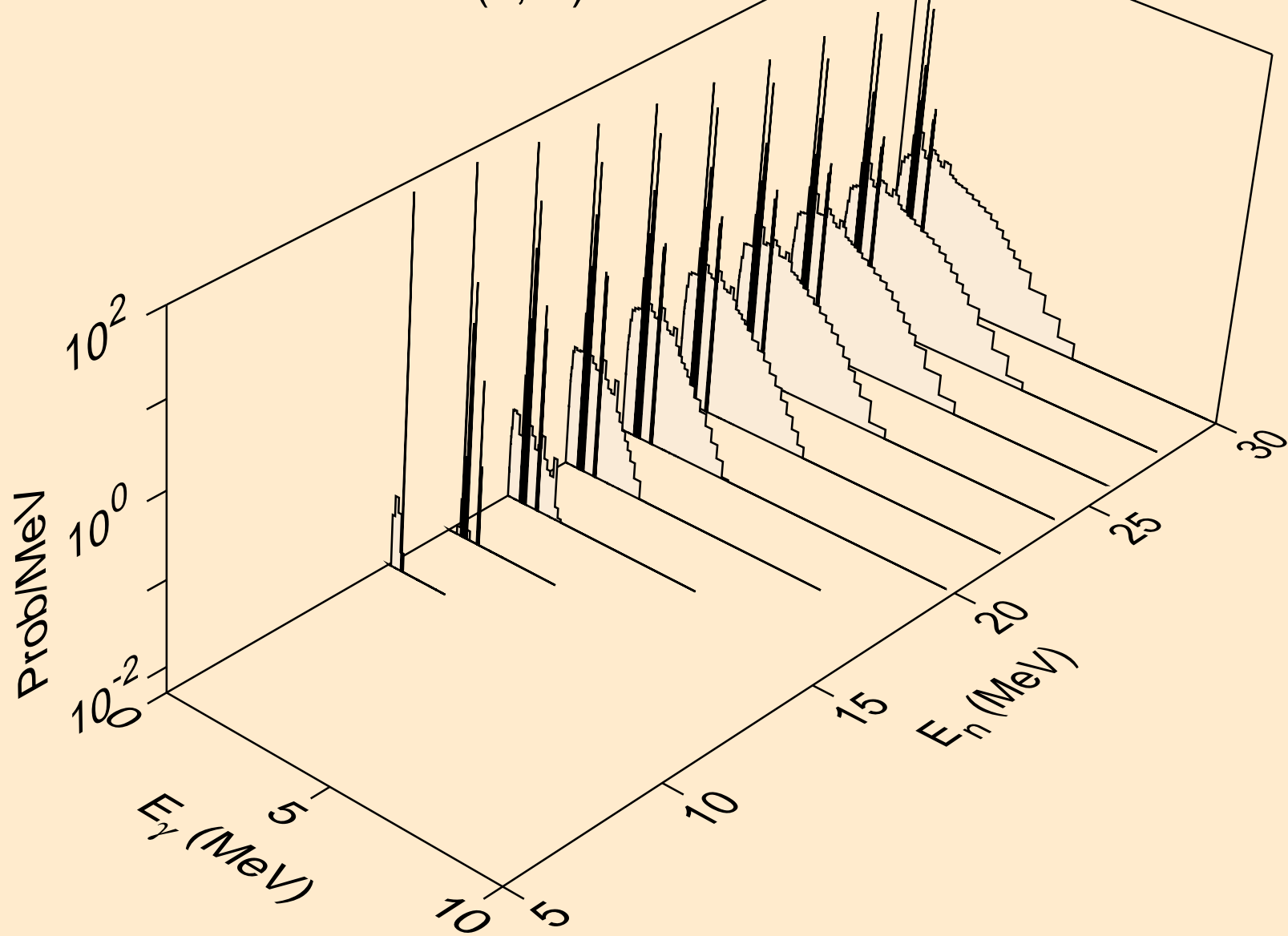
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Photon emission for (n,n\*)p



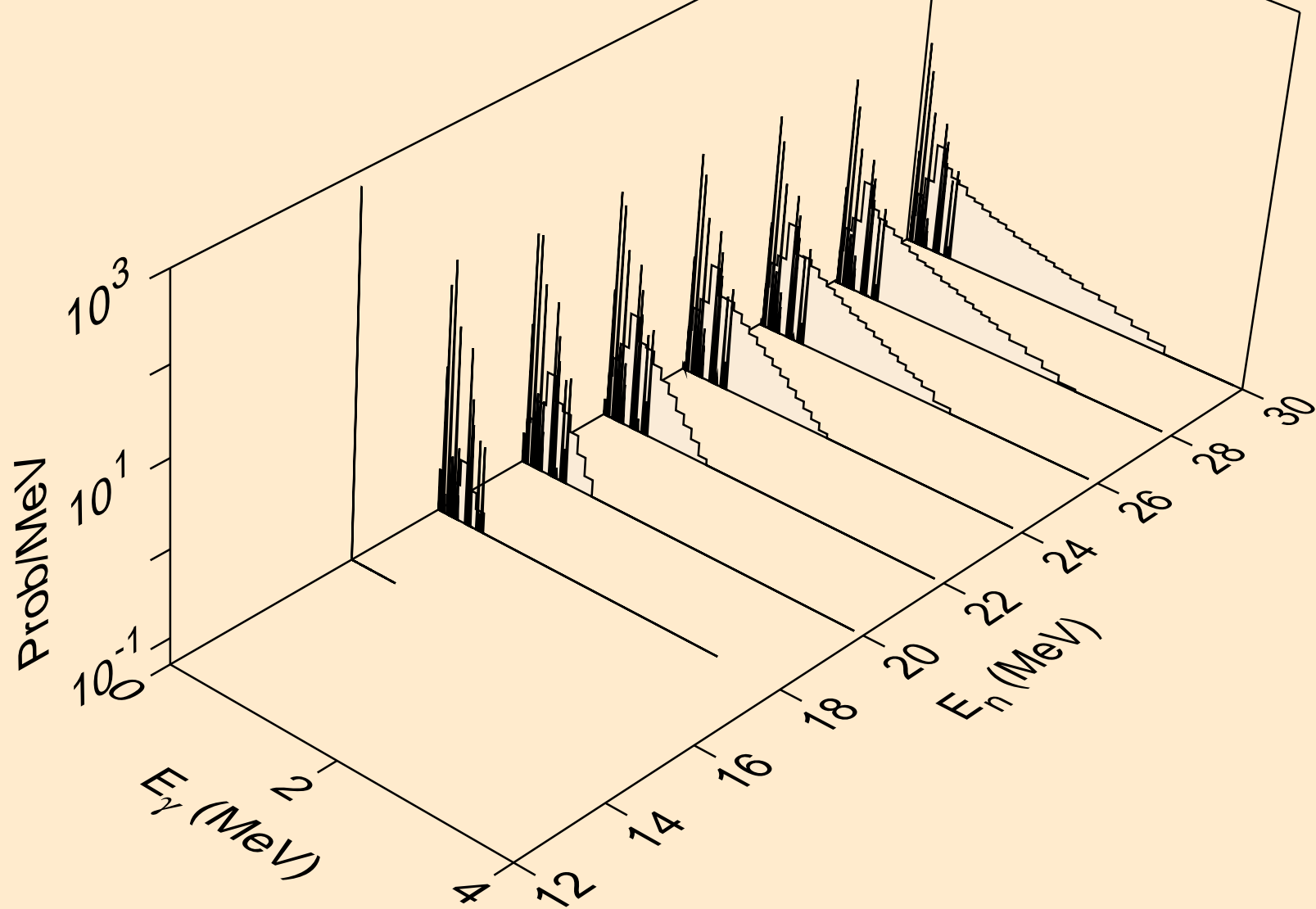
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Photon emission for (n,n\*)2a



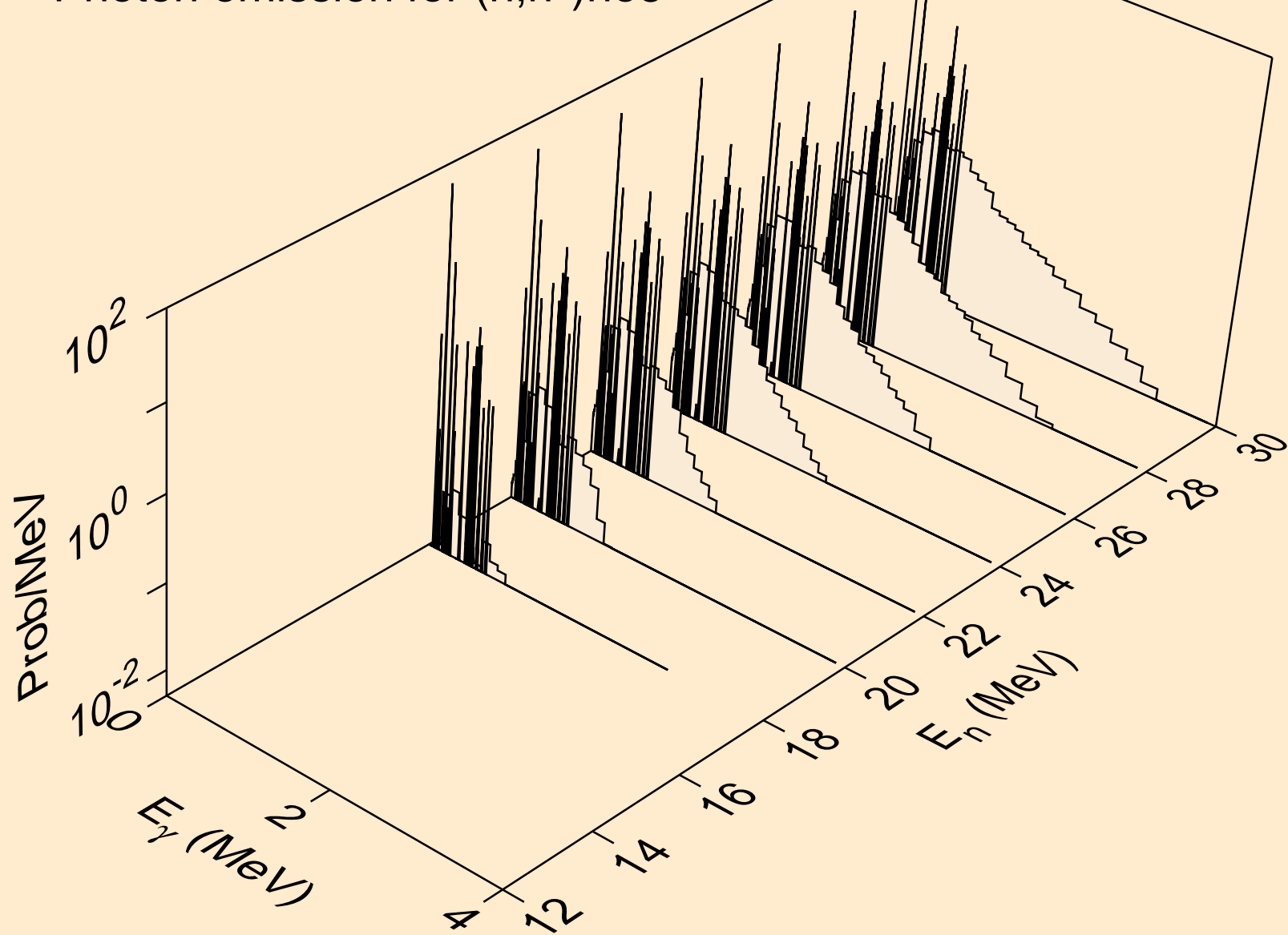
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Photon emission for (n,n\*)d



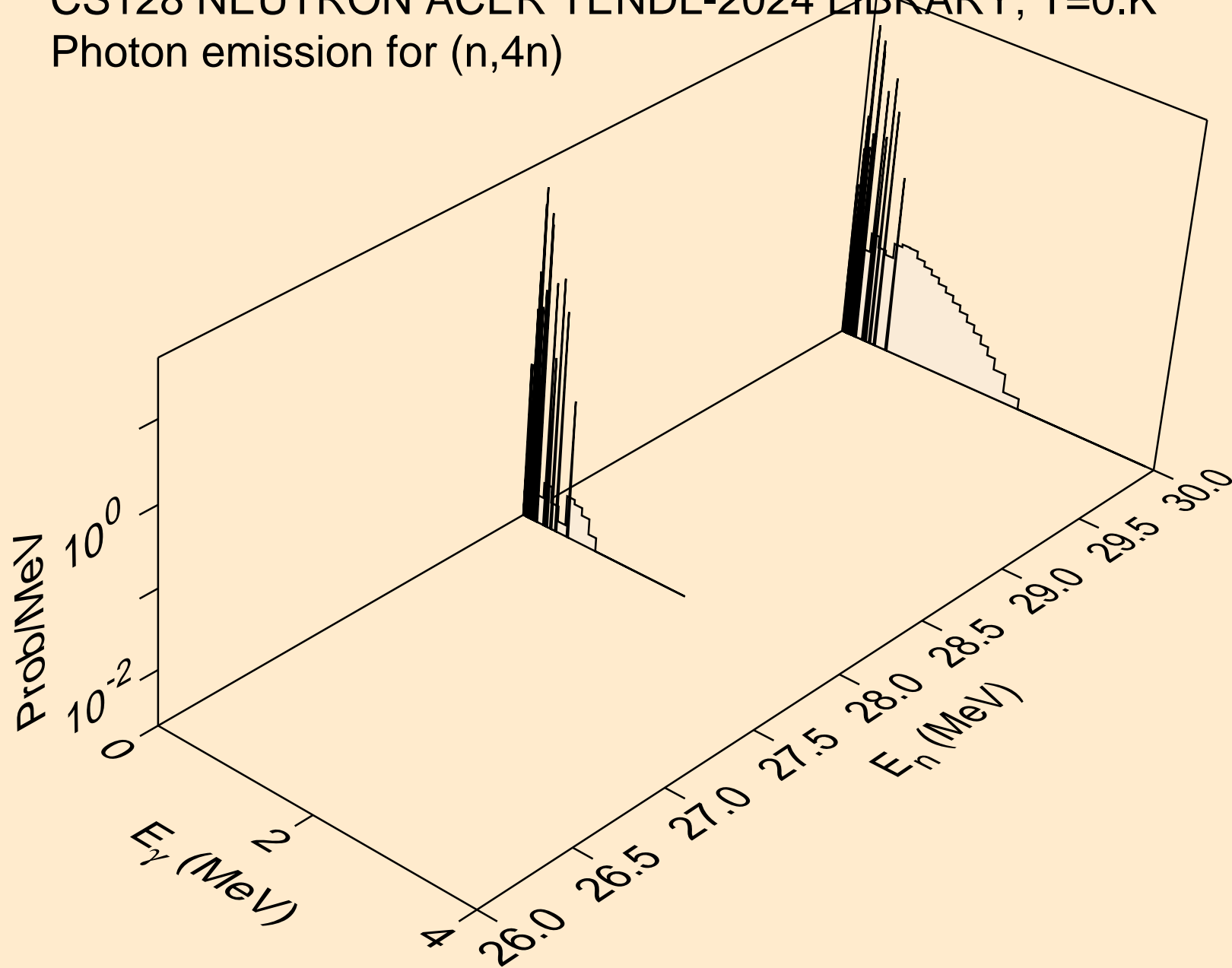
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Photon emission for (n,n\*)t



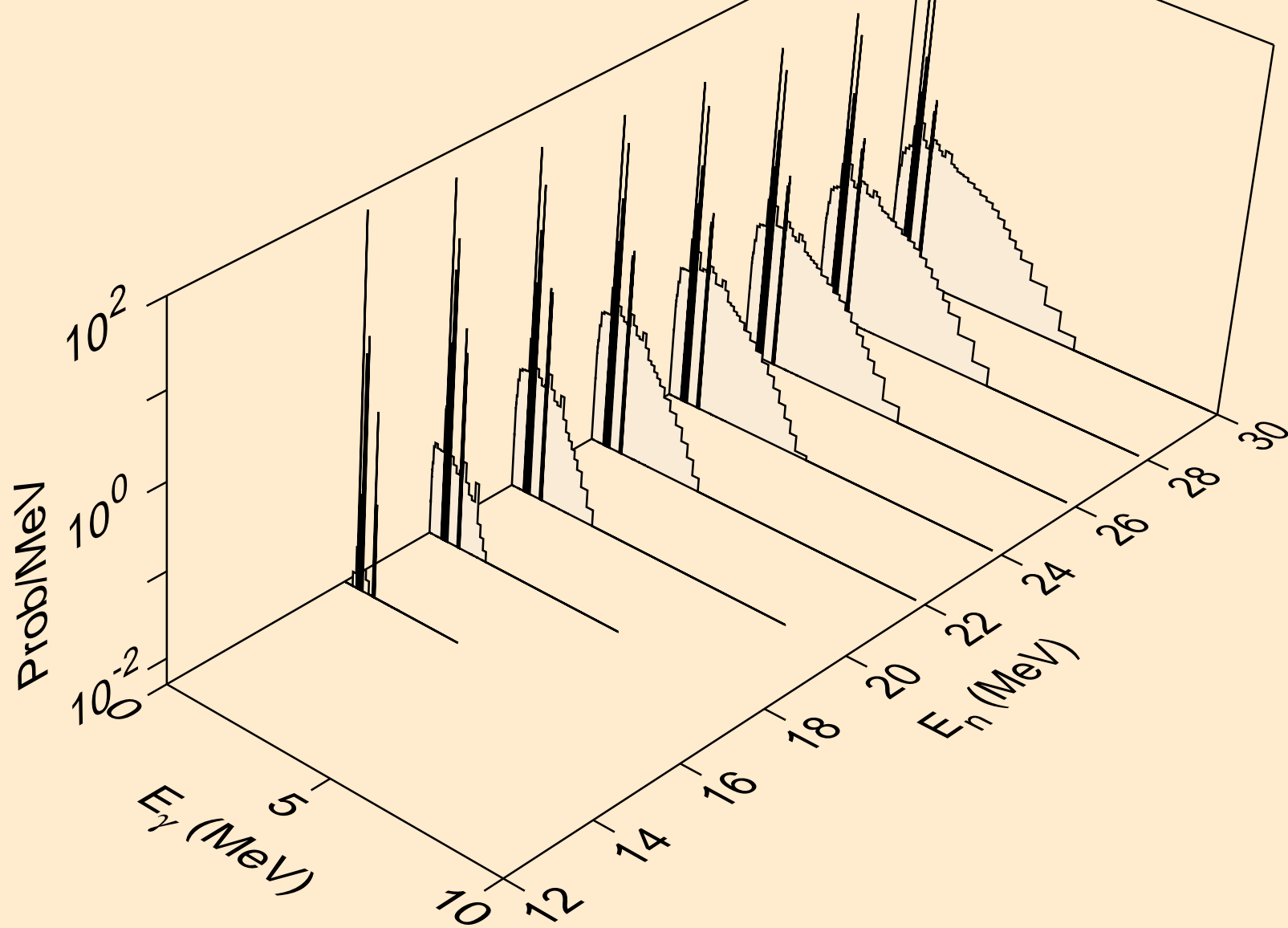
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Photon emission for (n,n\*)he3



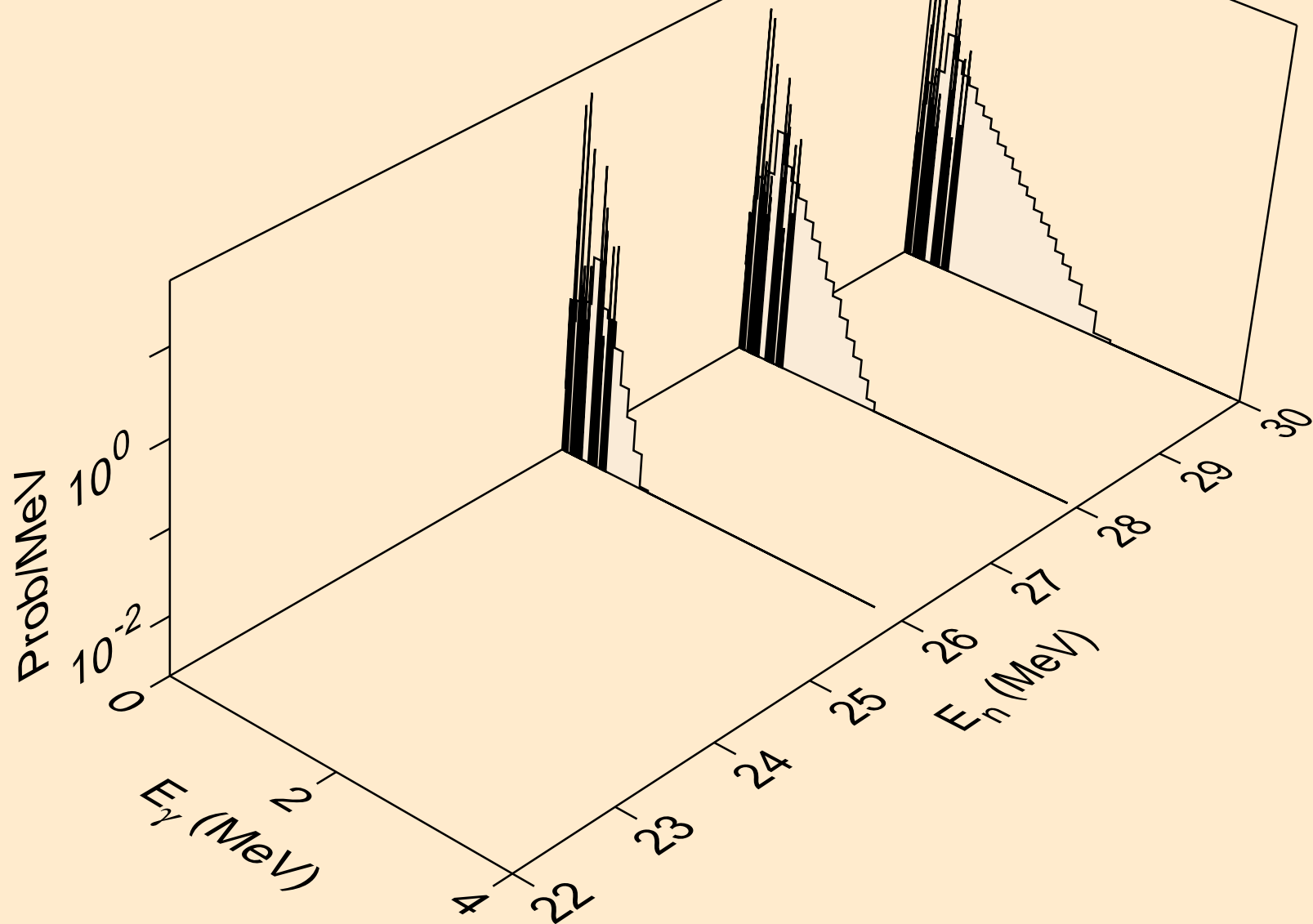
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Photon emission for (n,4n)



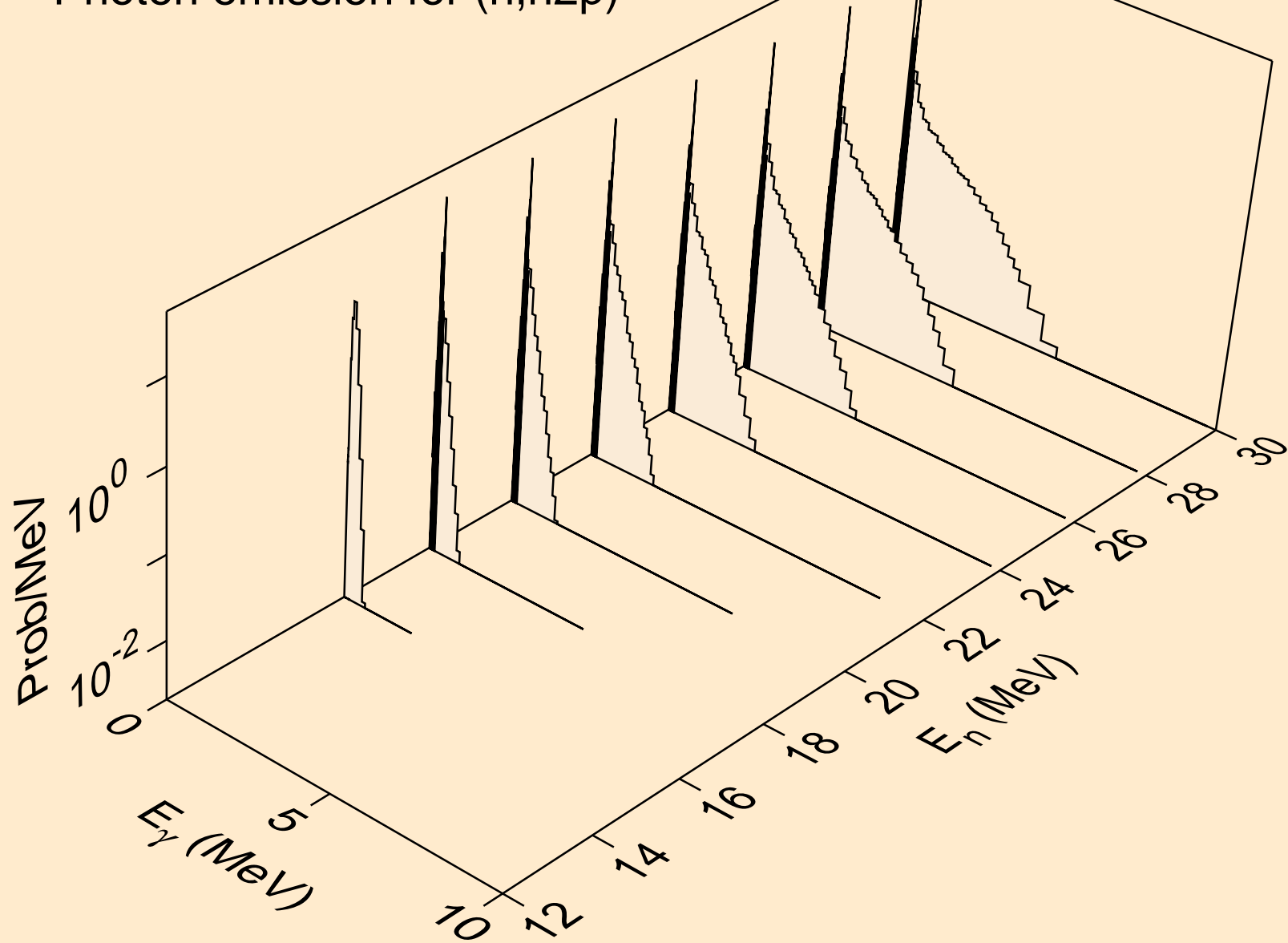
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Photon emission for (n,2np)



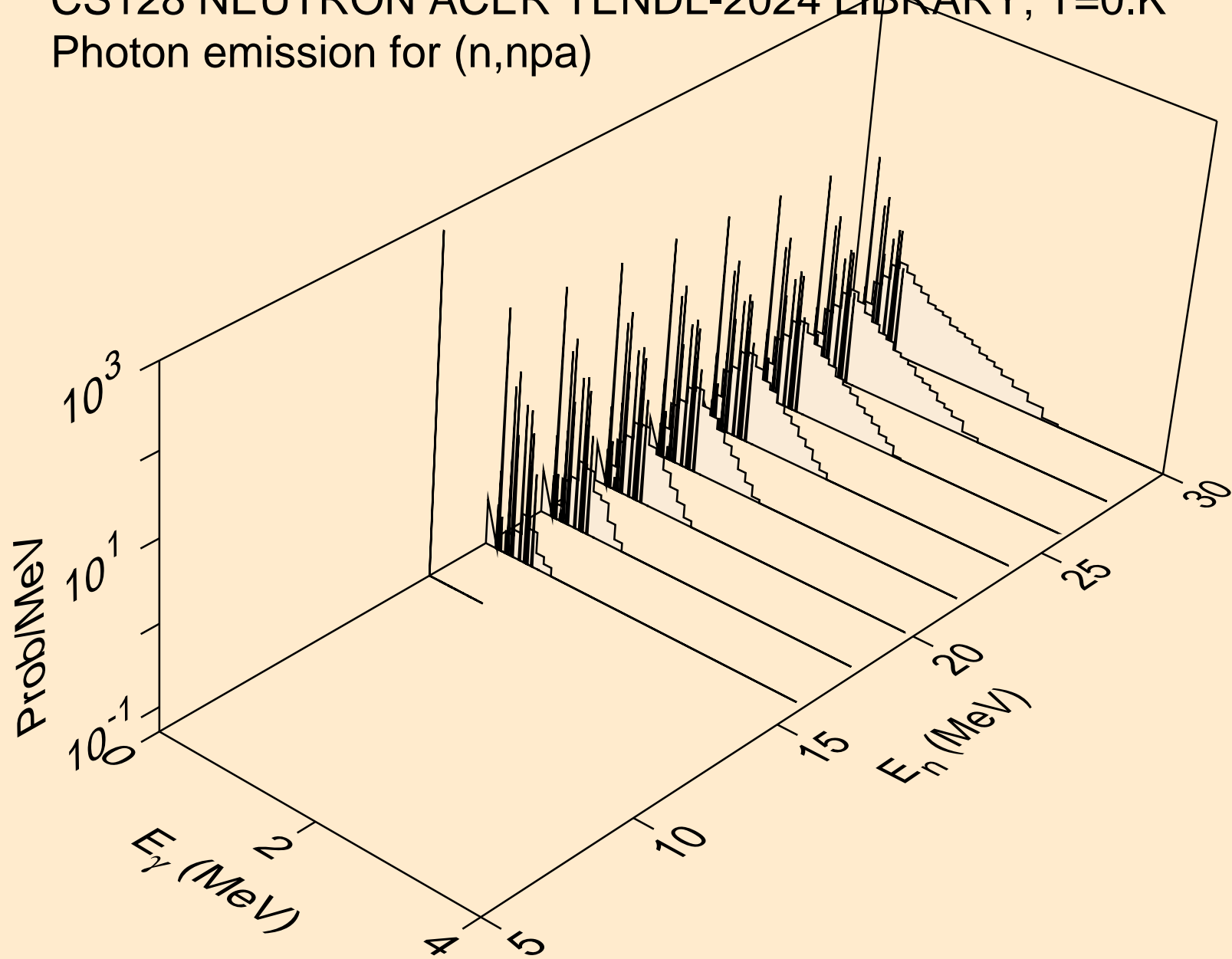
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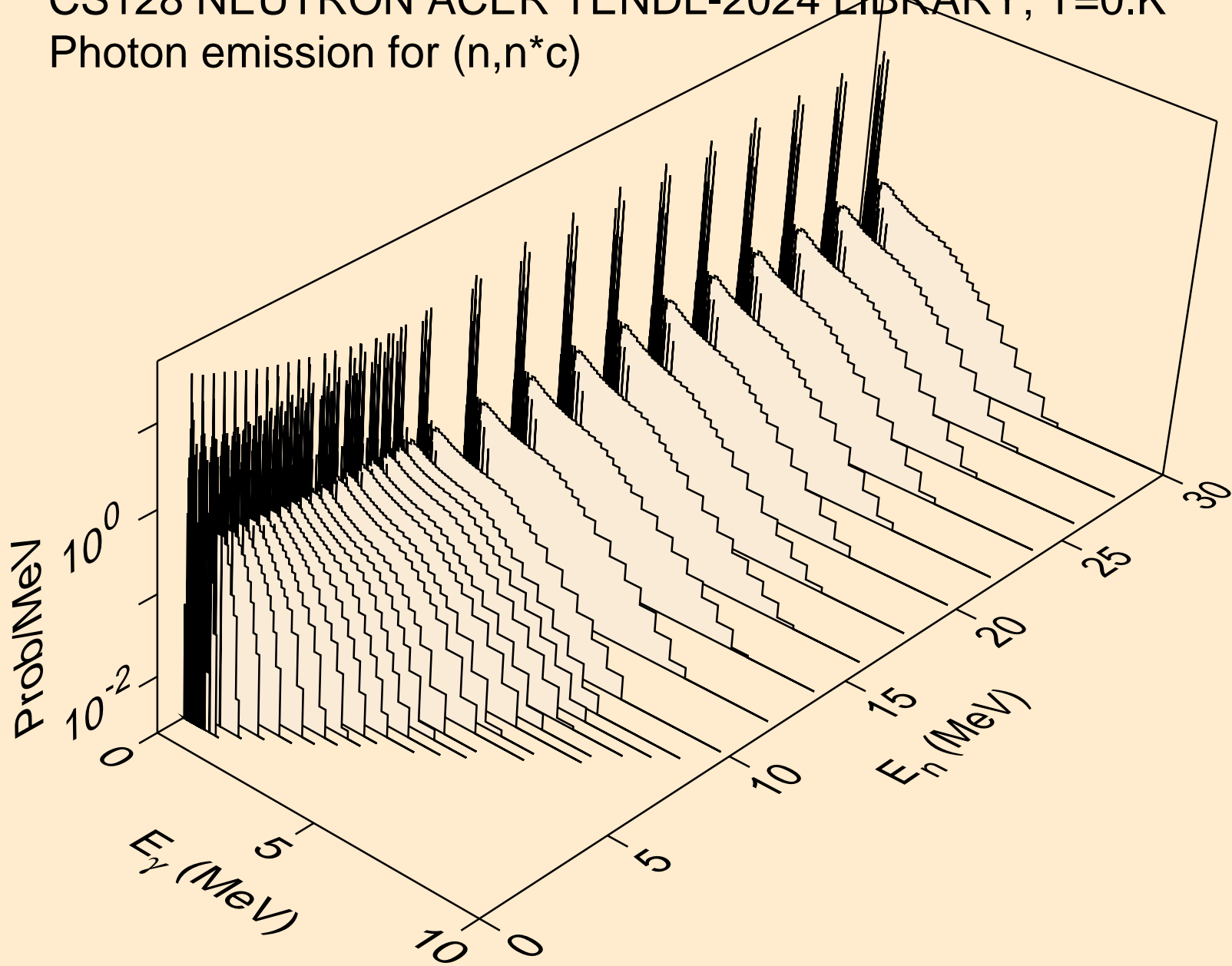
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Photon emission for (n,n2p)



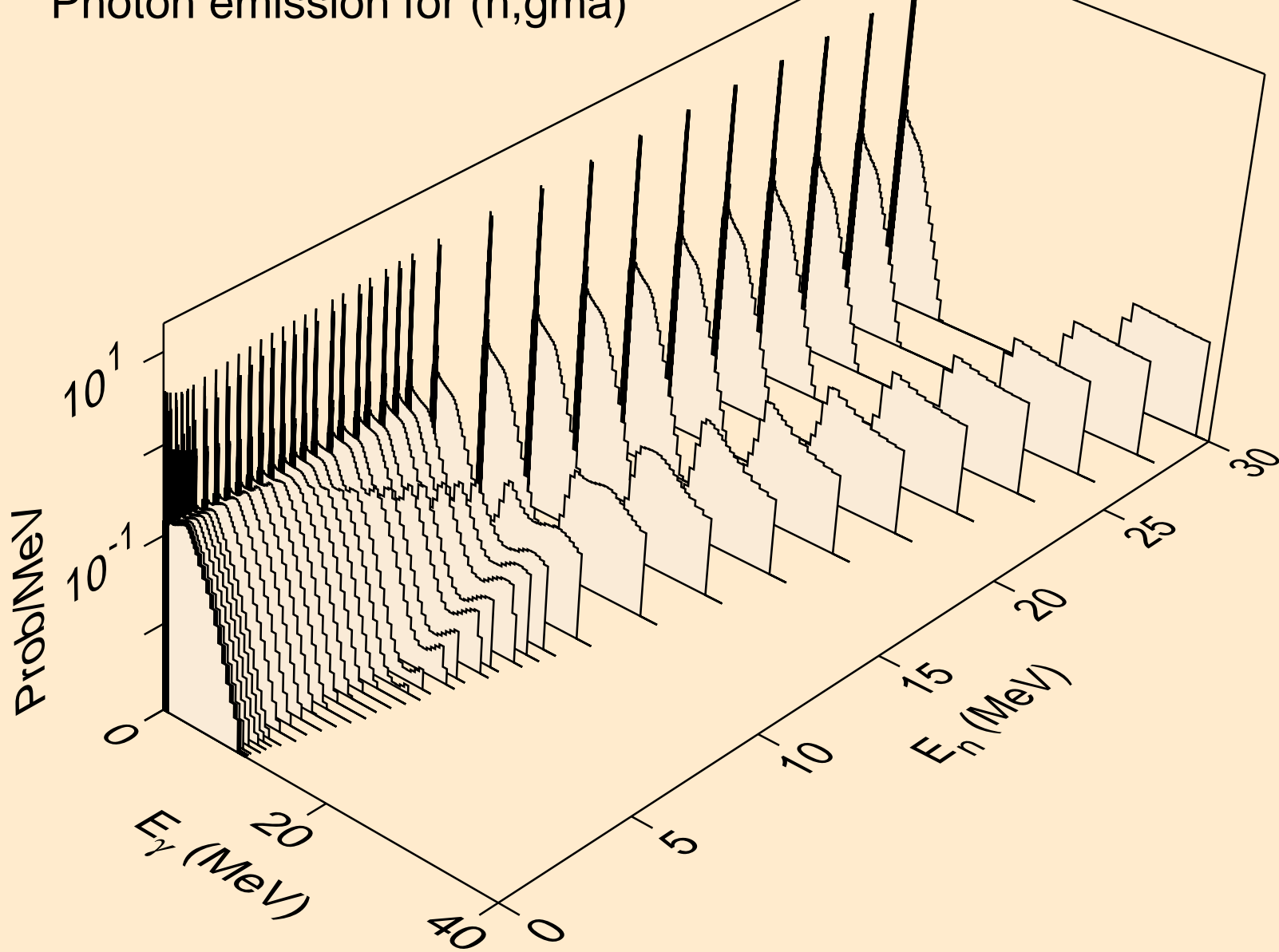
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Photon emission for (n,npa)



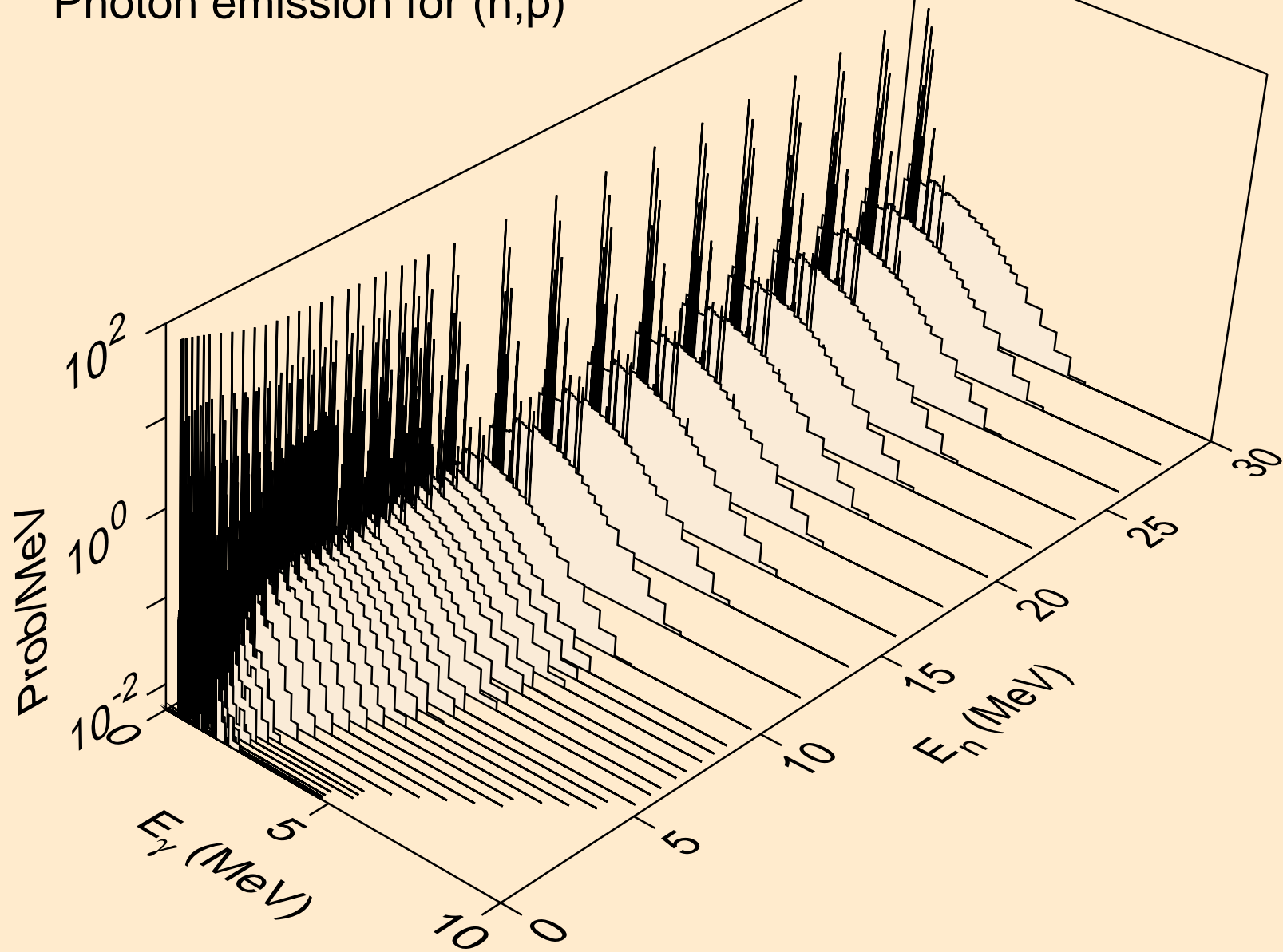
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Photon emission for (n,n\*c)



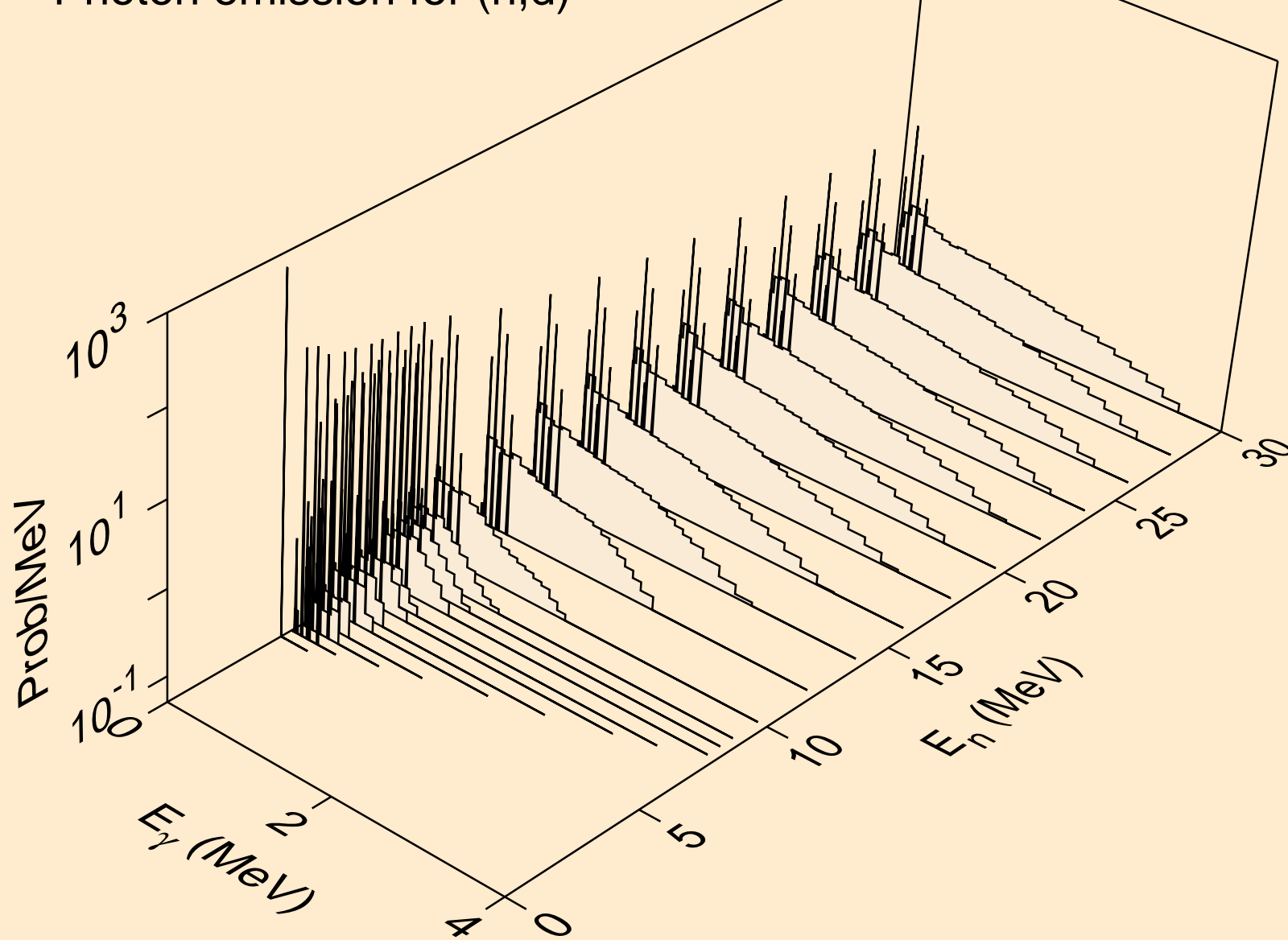
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Photon emission for (n,gma)



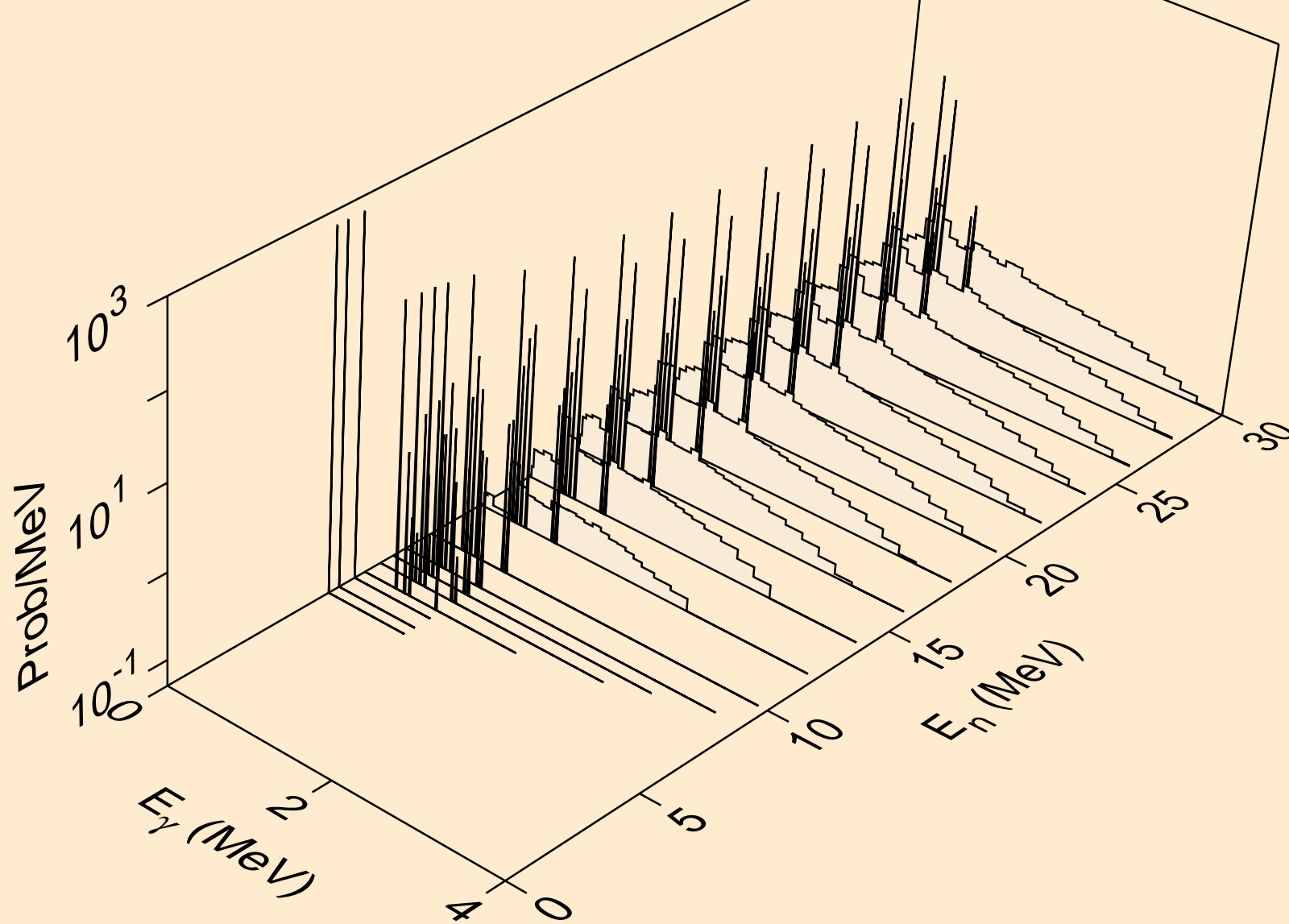
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Photon emission for (n,p)



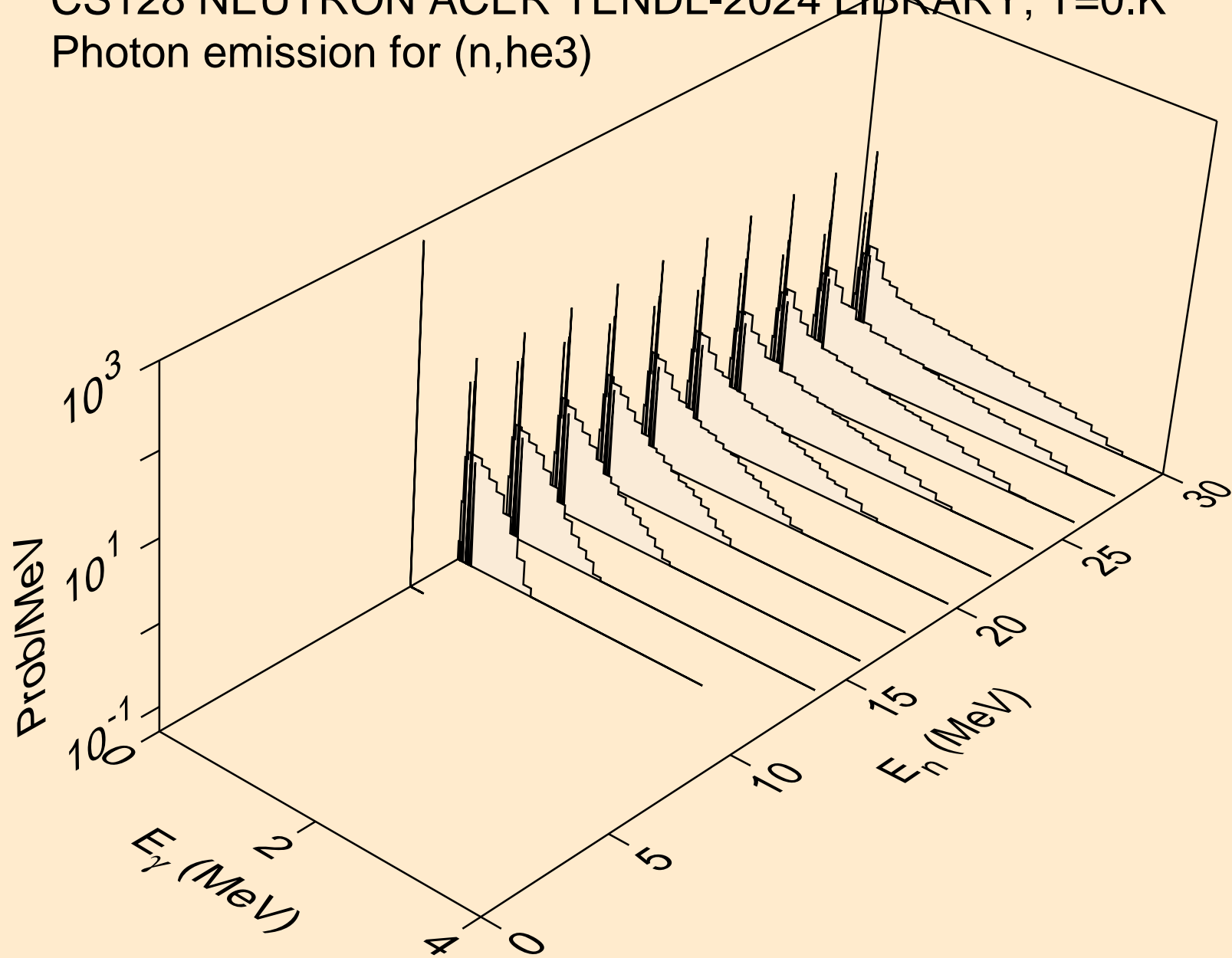
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Photon emission for (n,d)



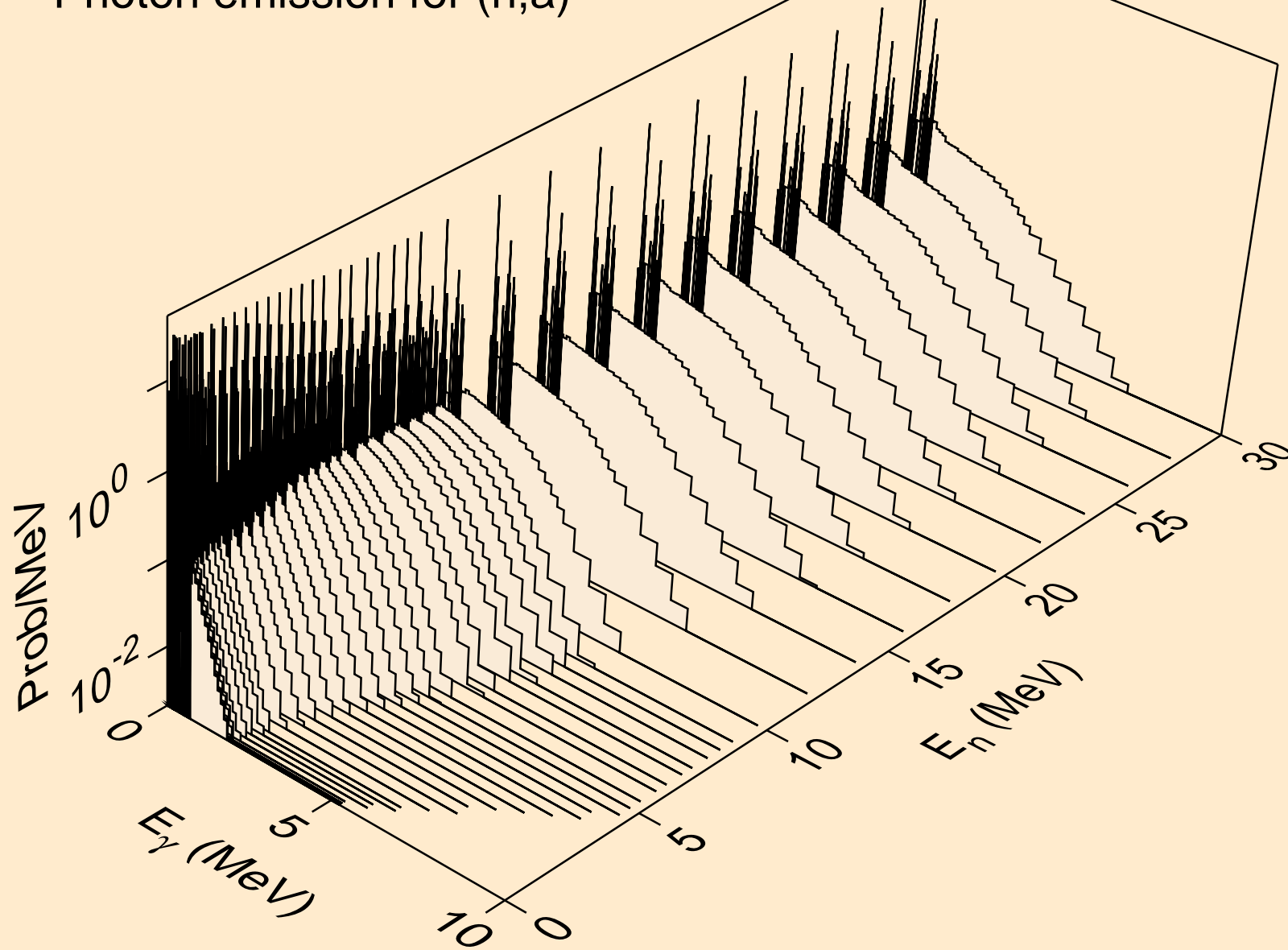
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Photon emission for (n,t)



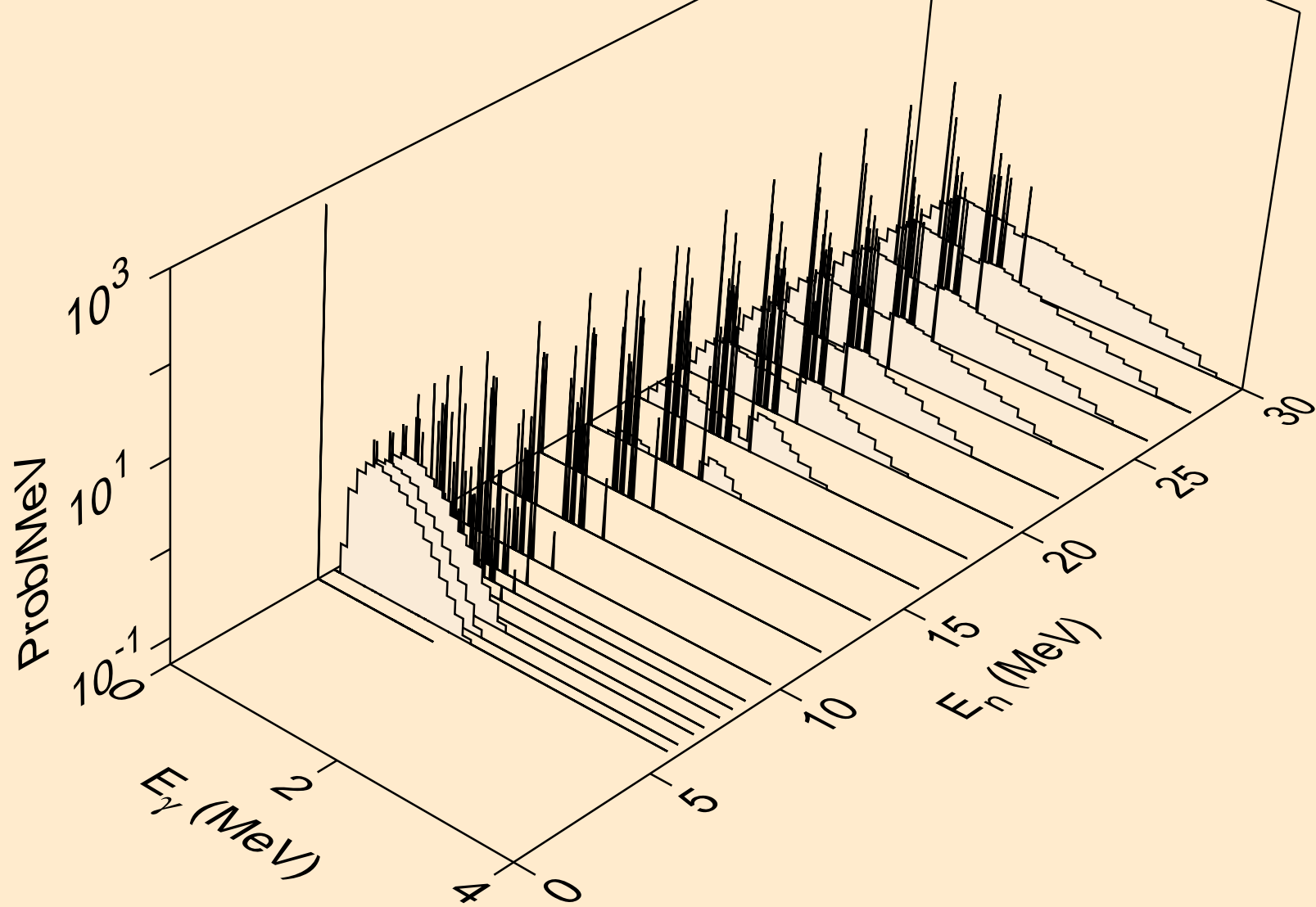
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Photon emission for (n,he3)



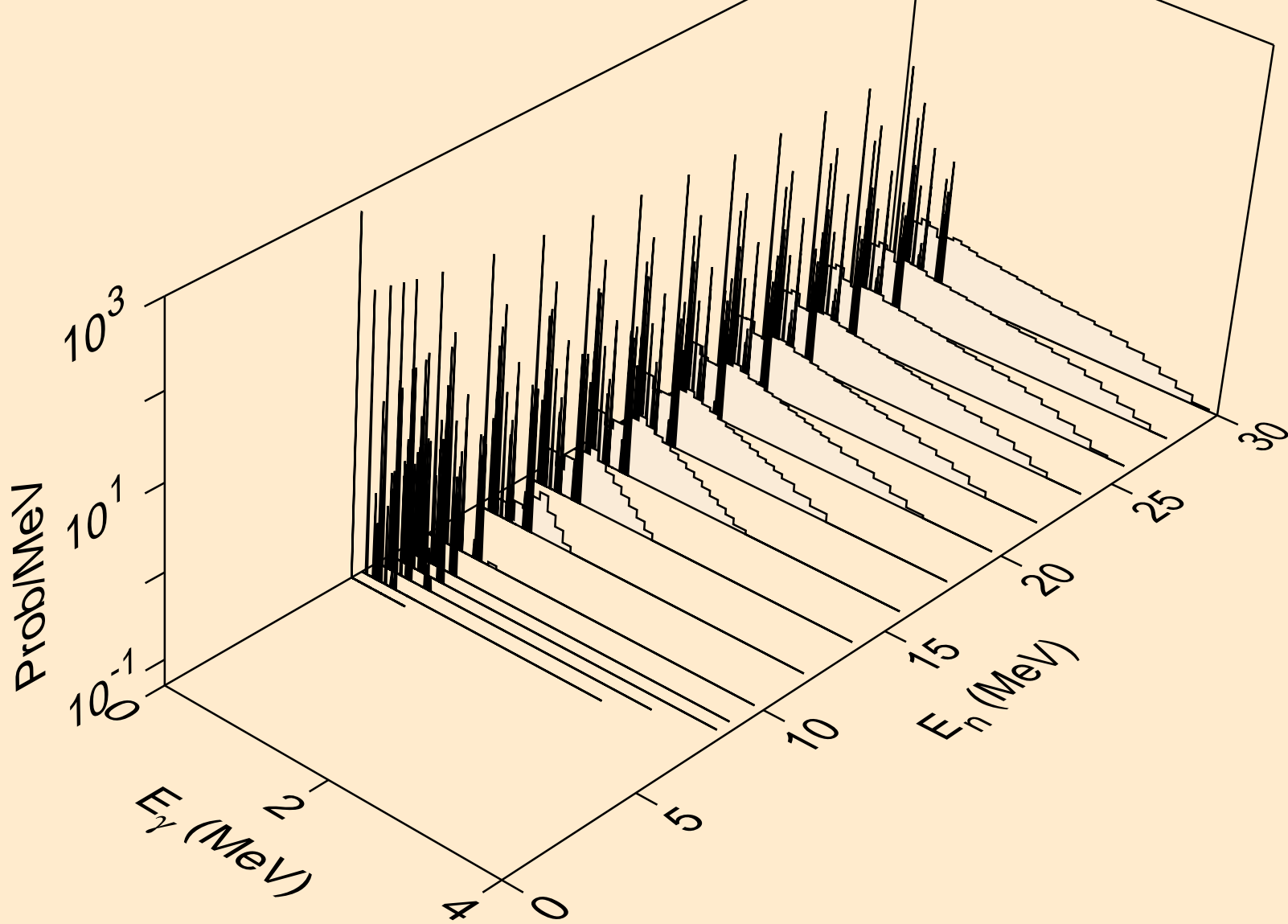
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Photon emission for (n,a)



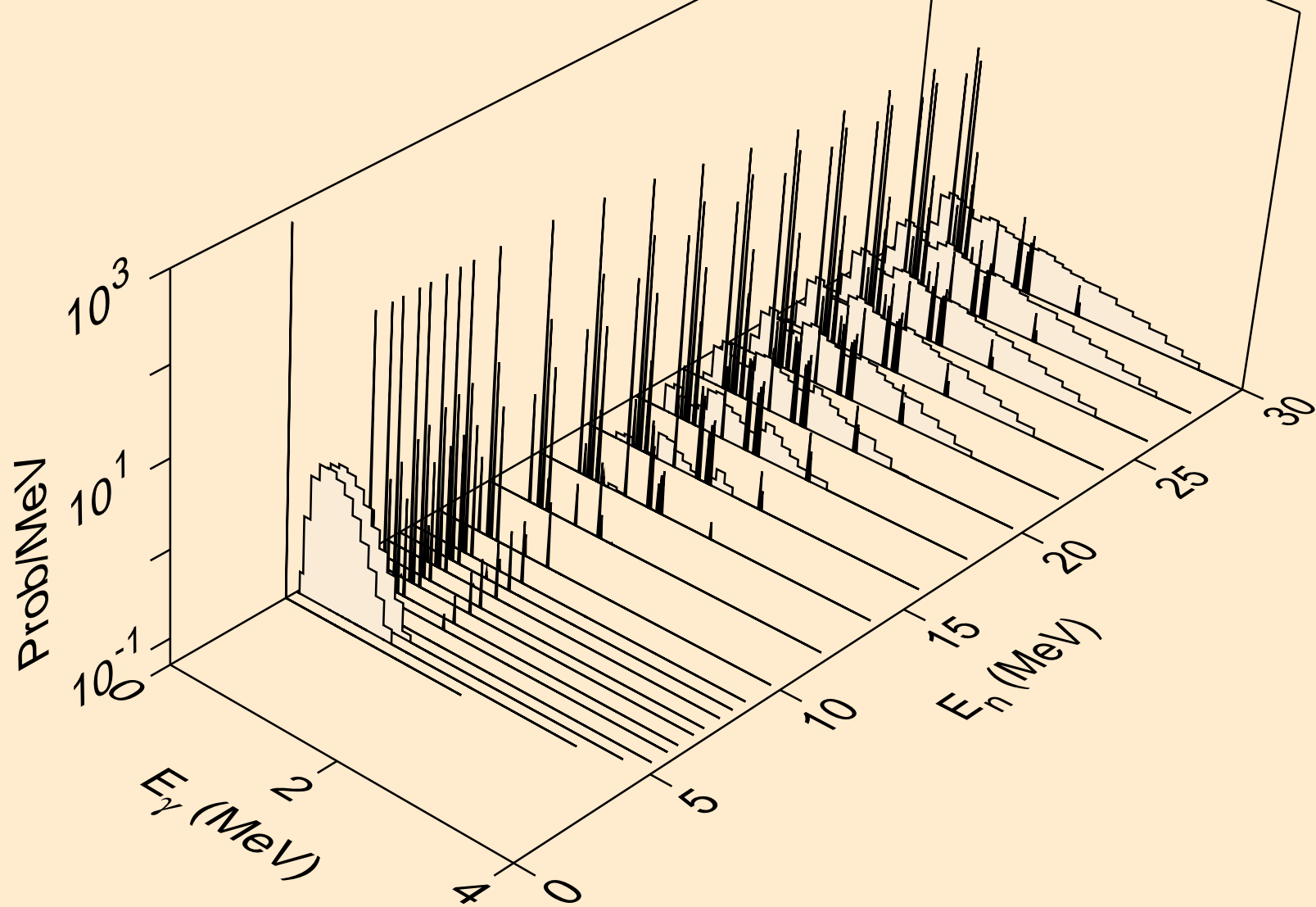
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Photon emission for (n,2a)



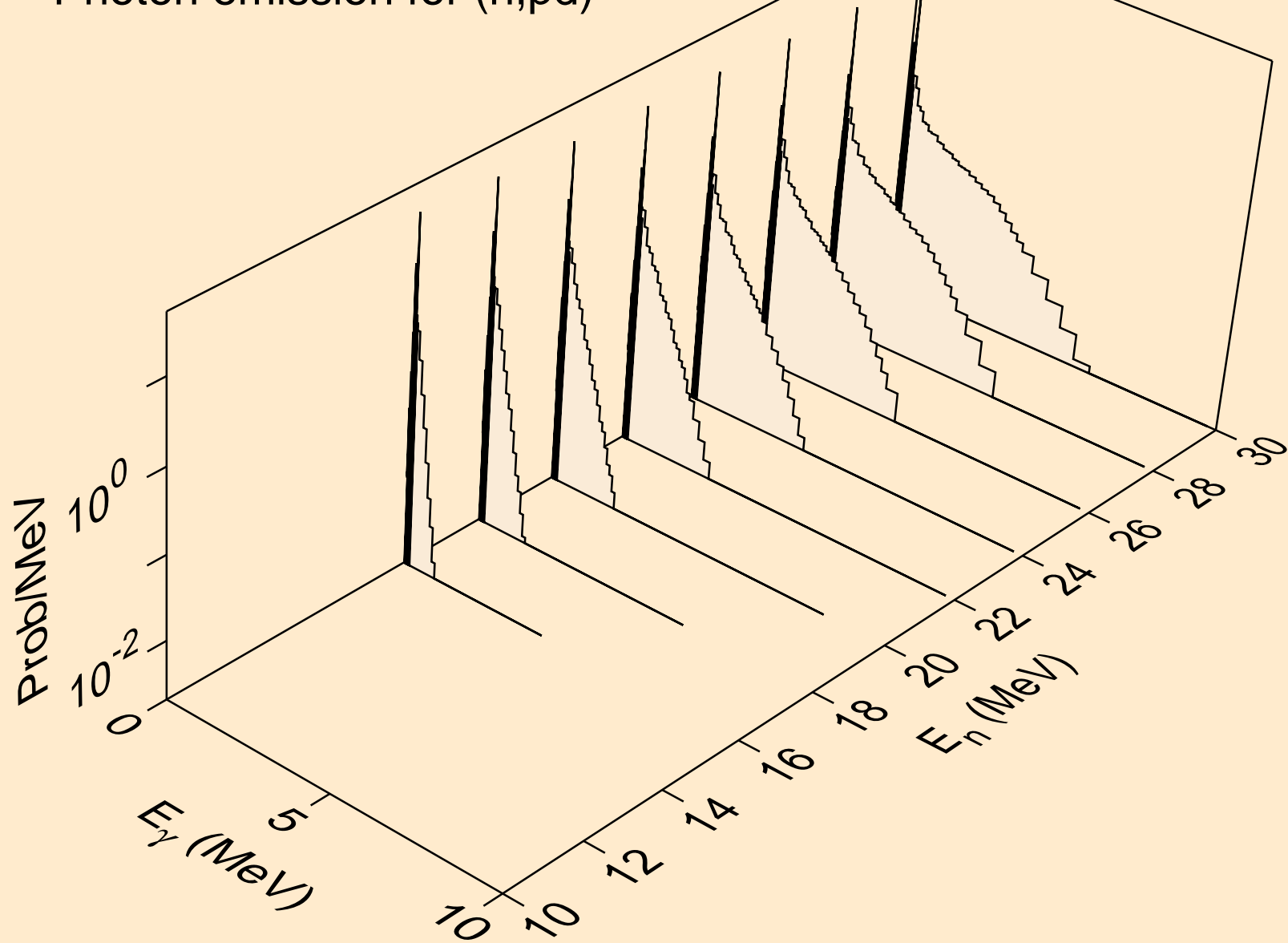
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Photon emission for (n,2p)



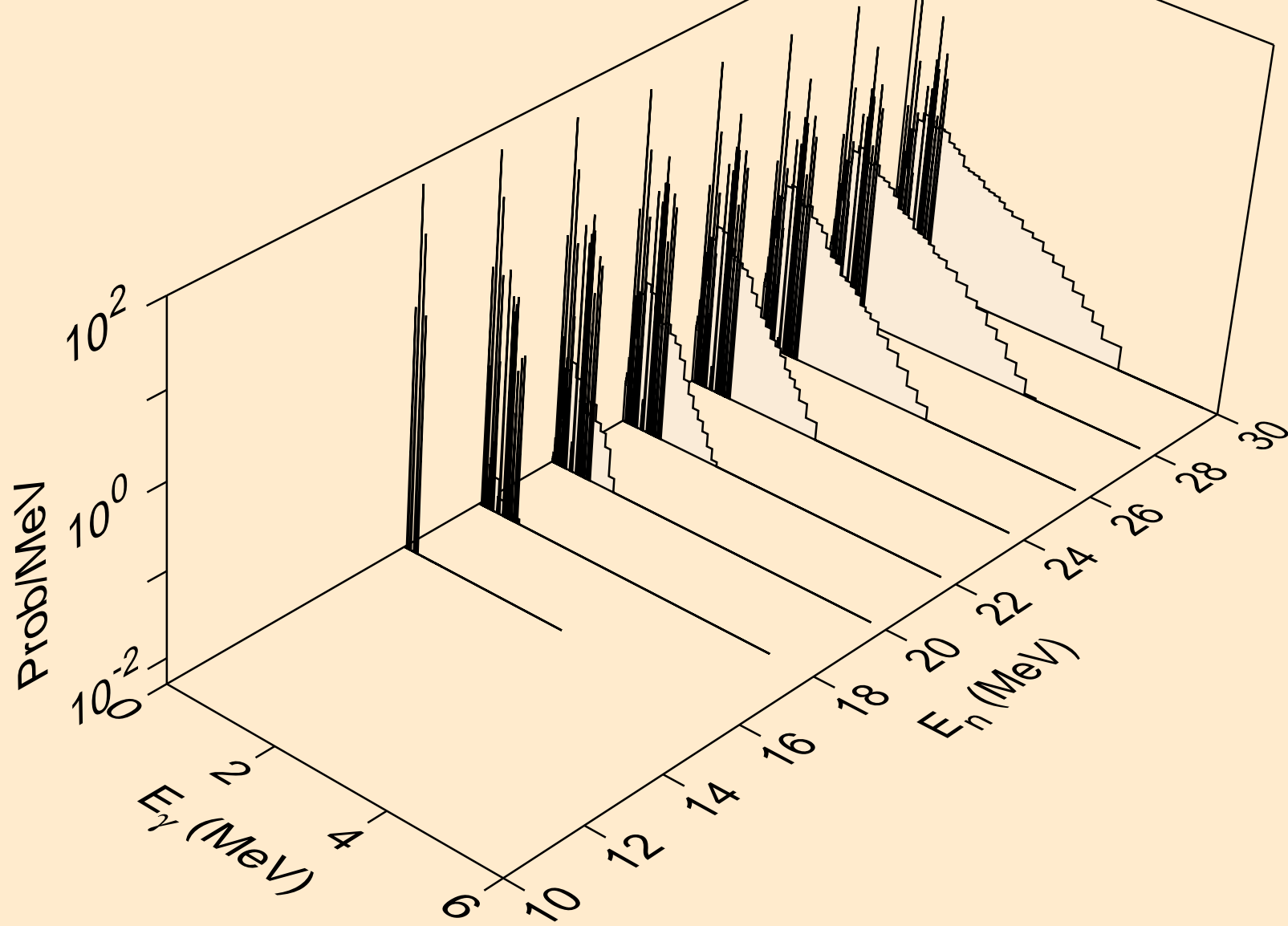
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Photon emission for (n,p)



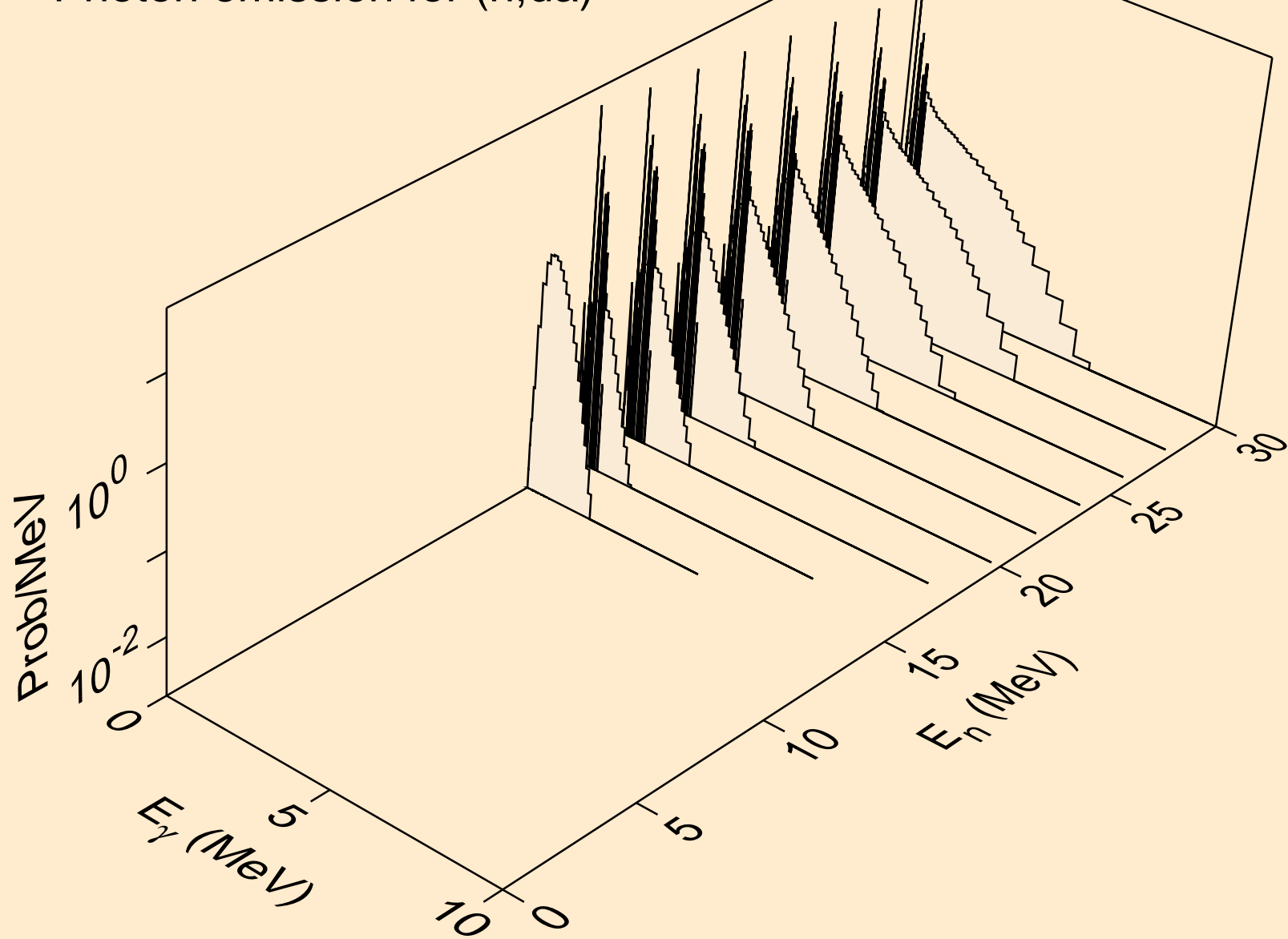
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Photon emission for (n,pd)



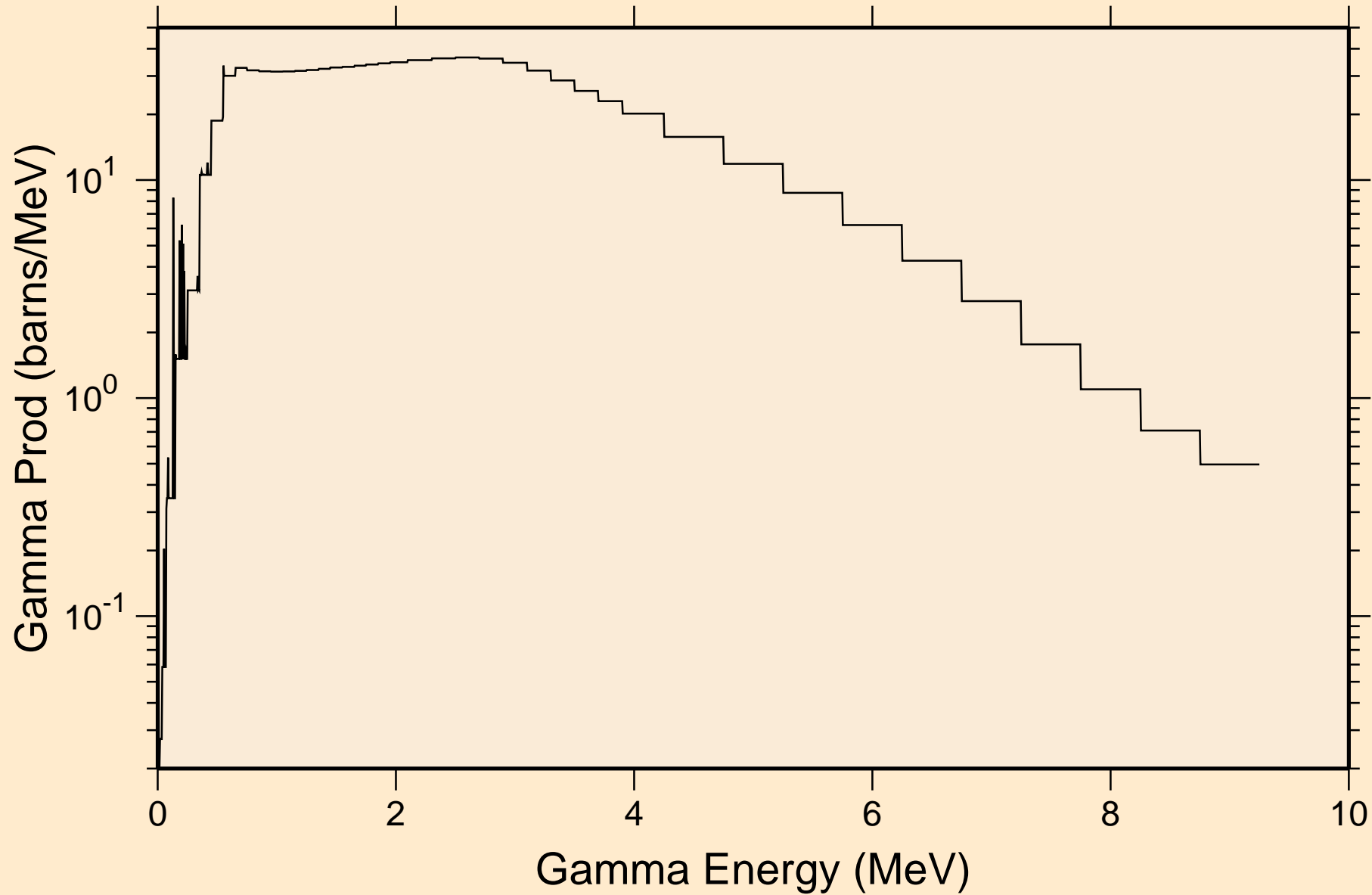
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Photon emission for (n,pt)



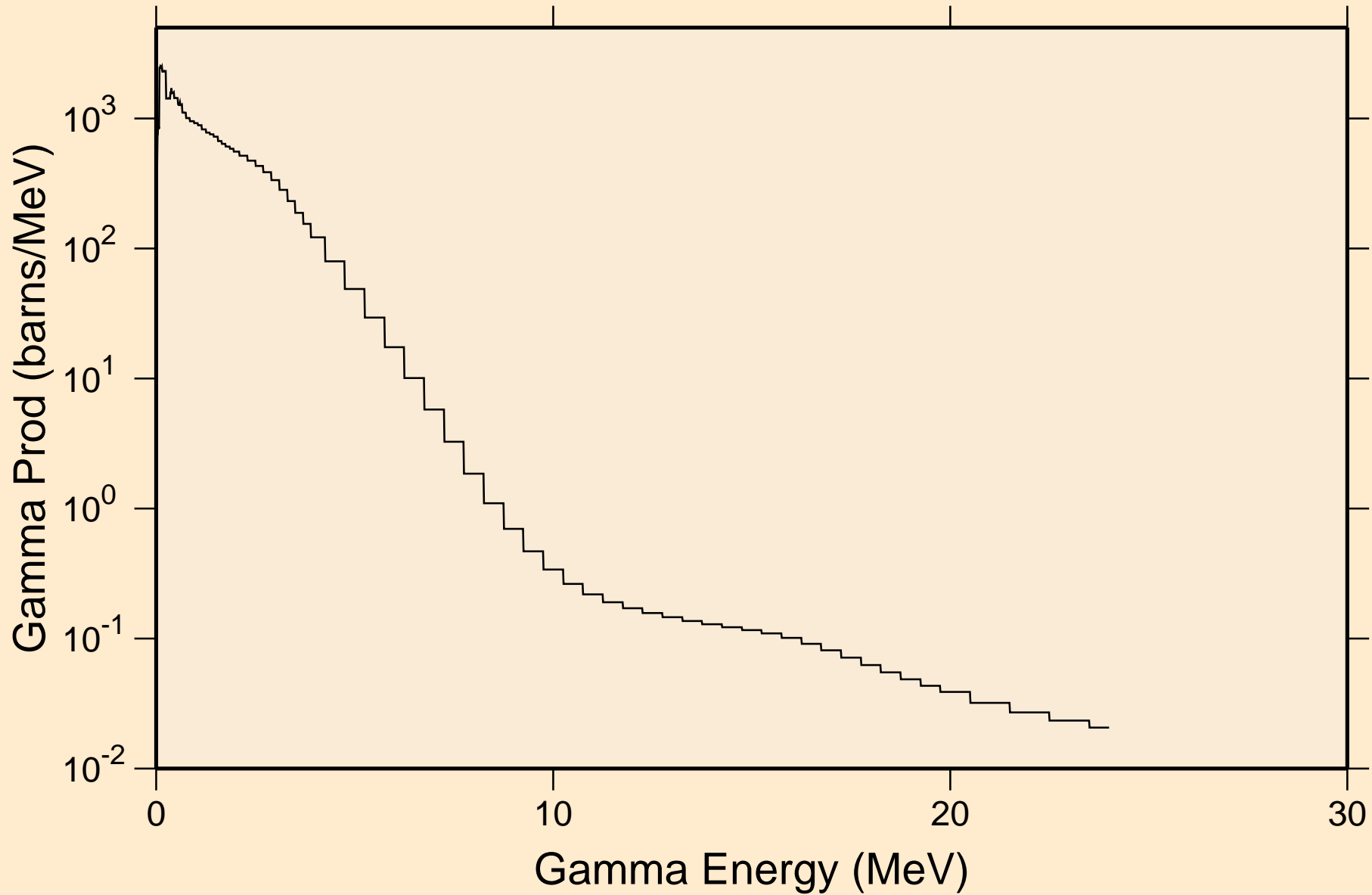
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

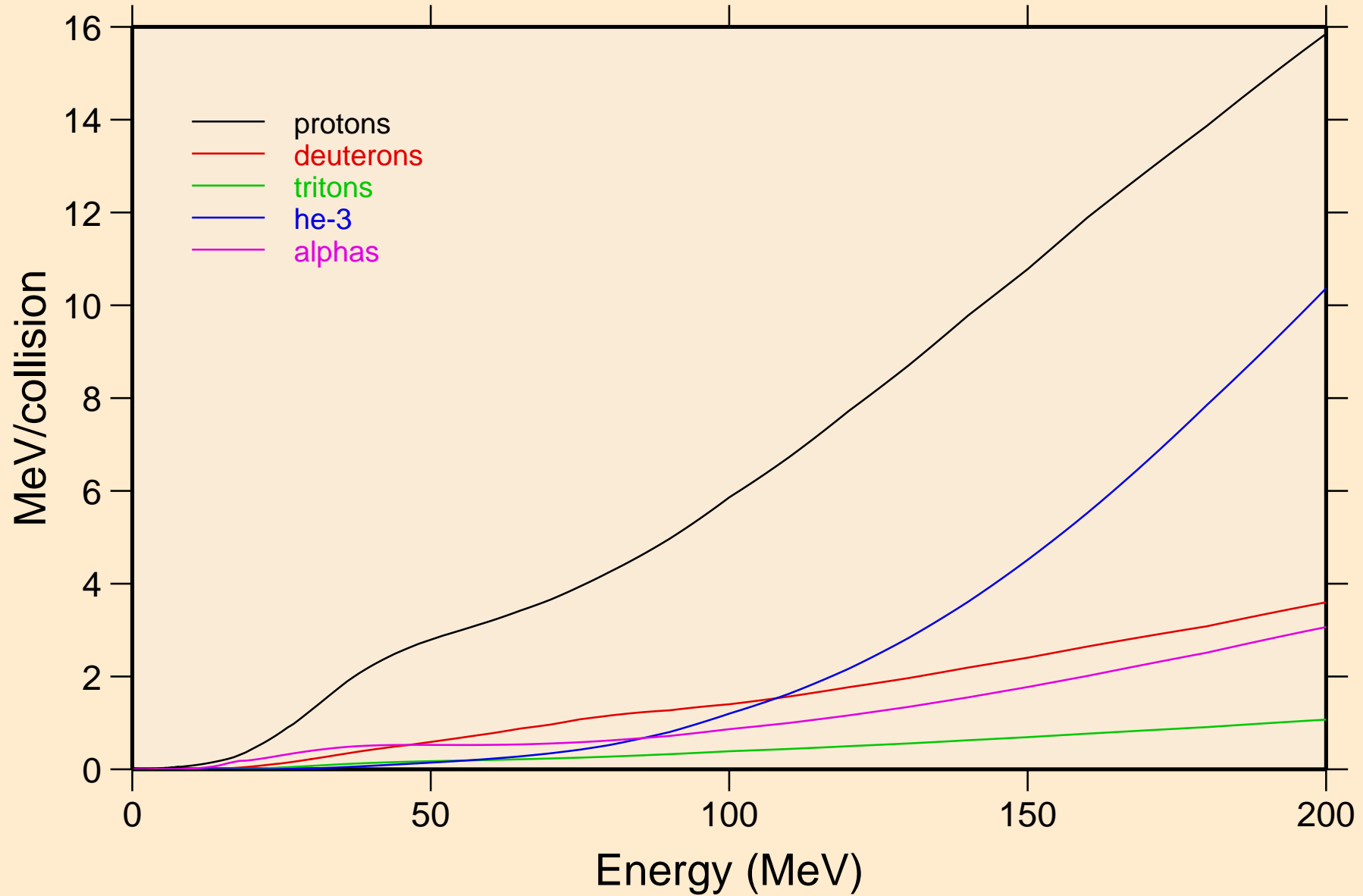


CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



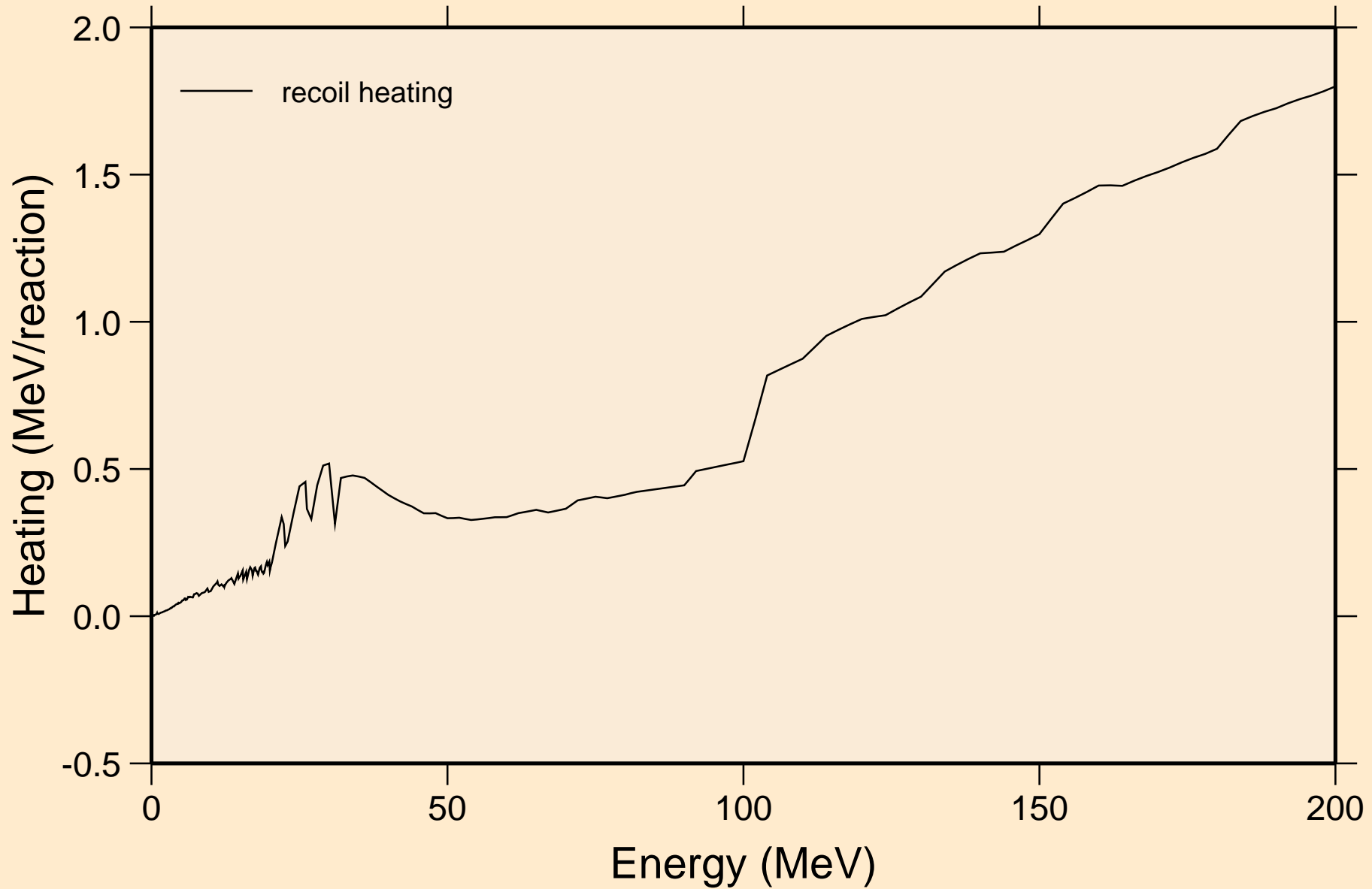
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## Particle heating contributions



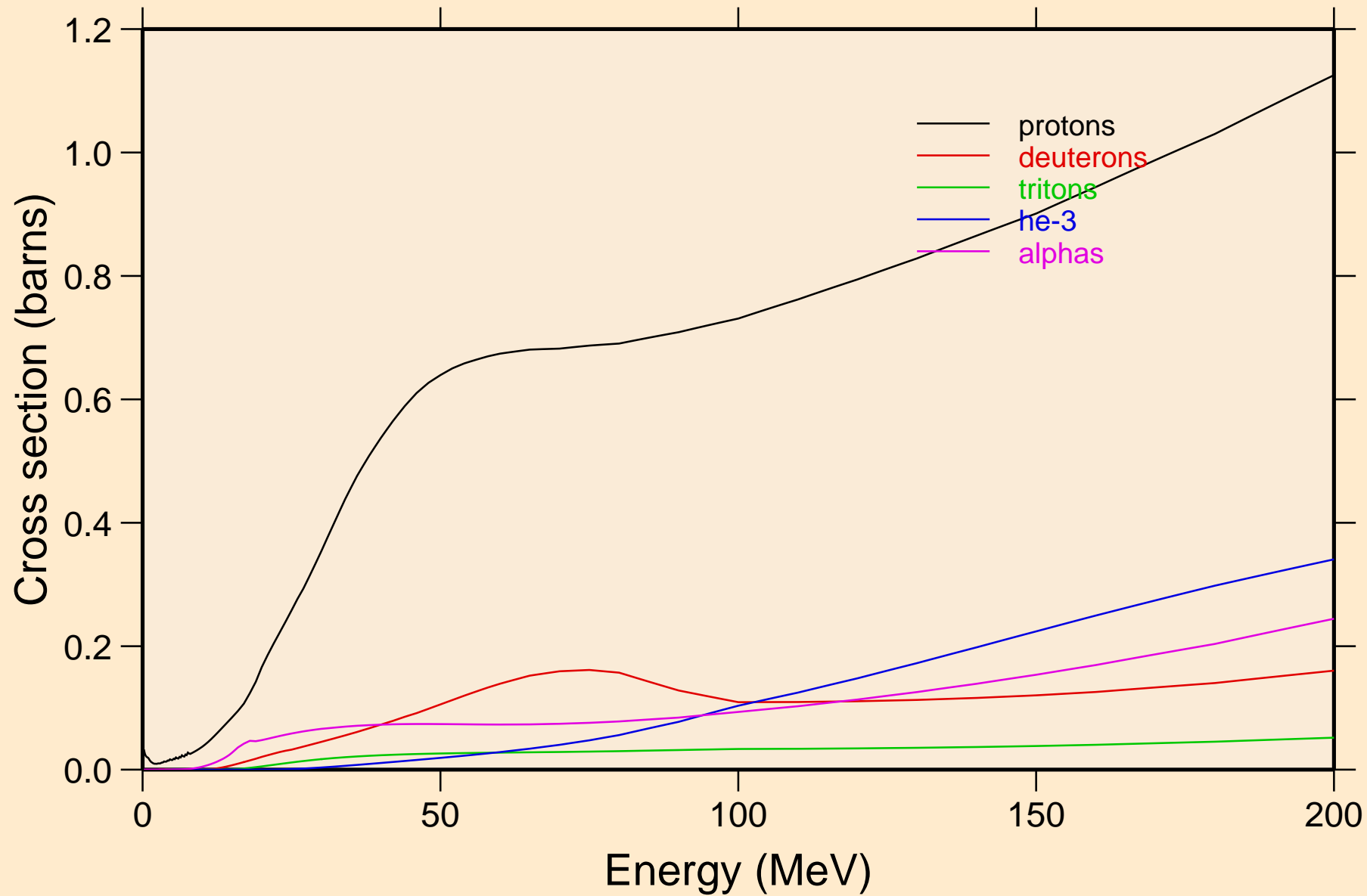
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## Recoil Heating

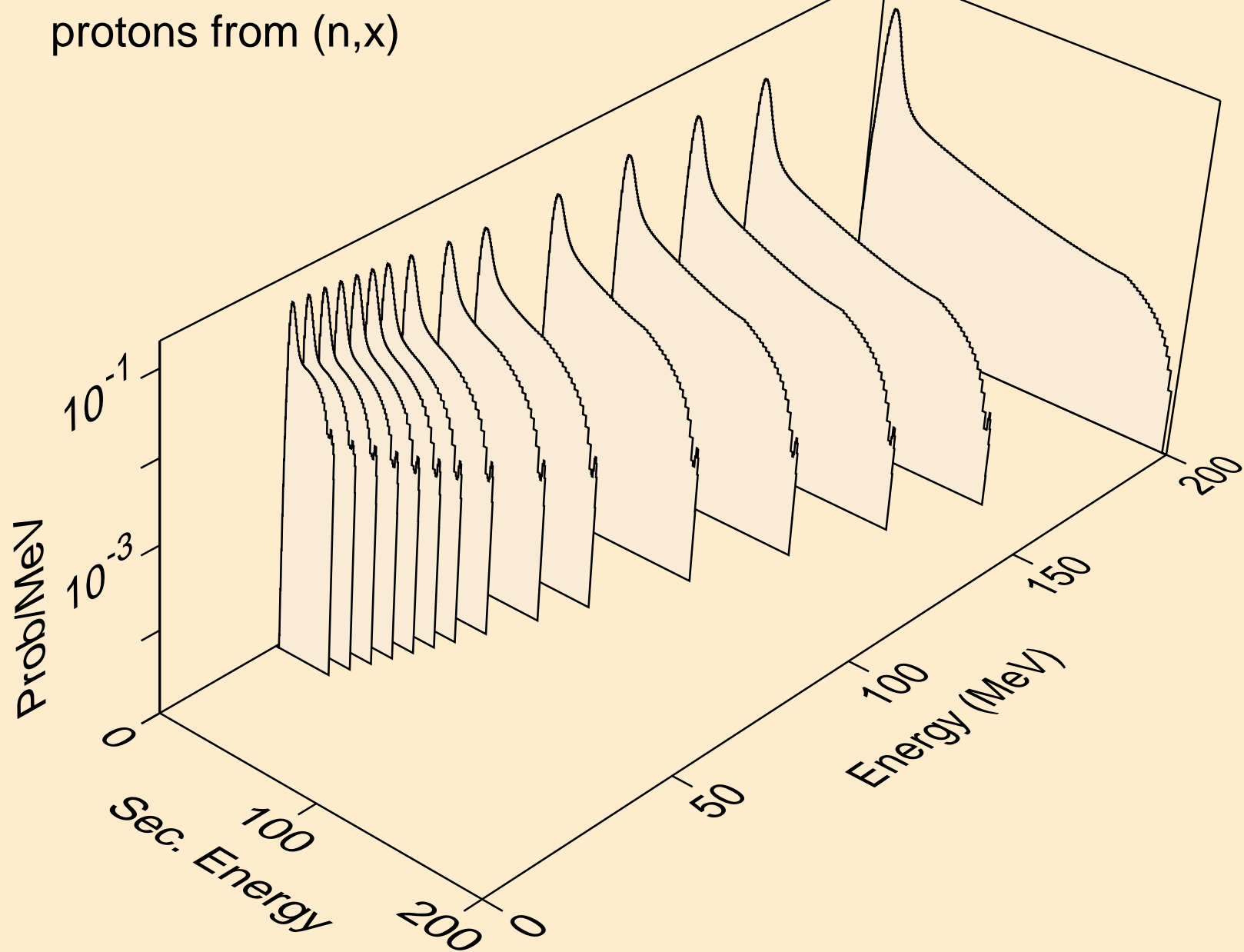


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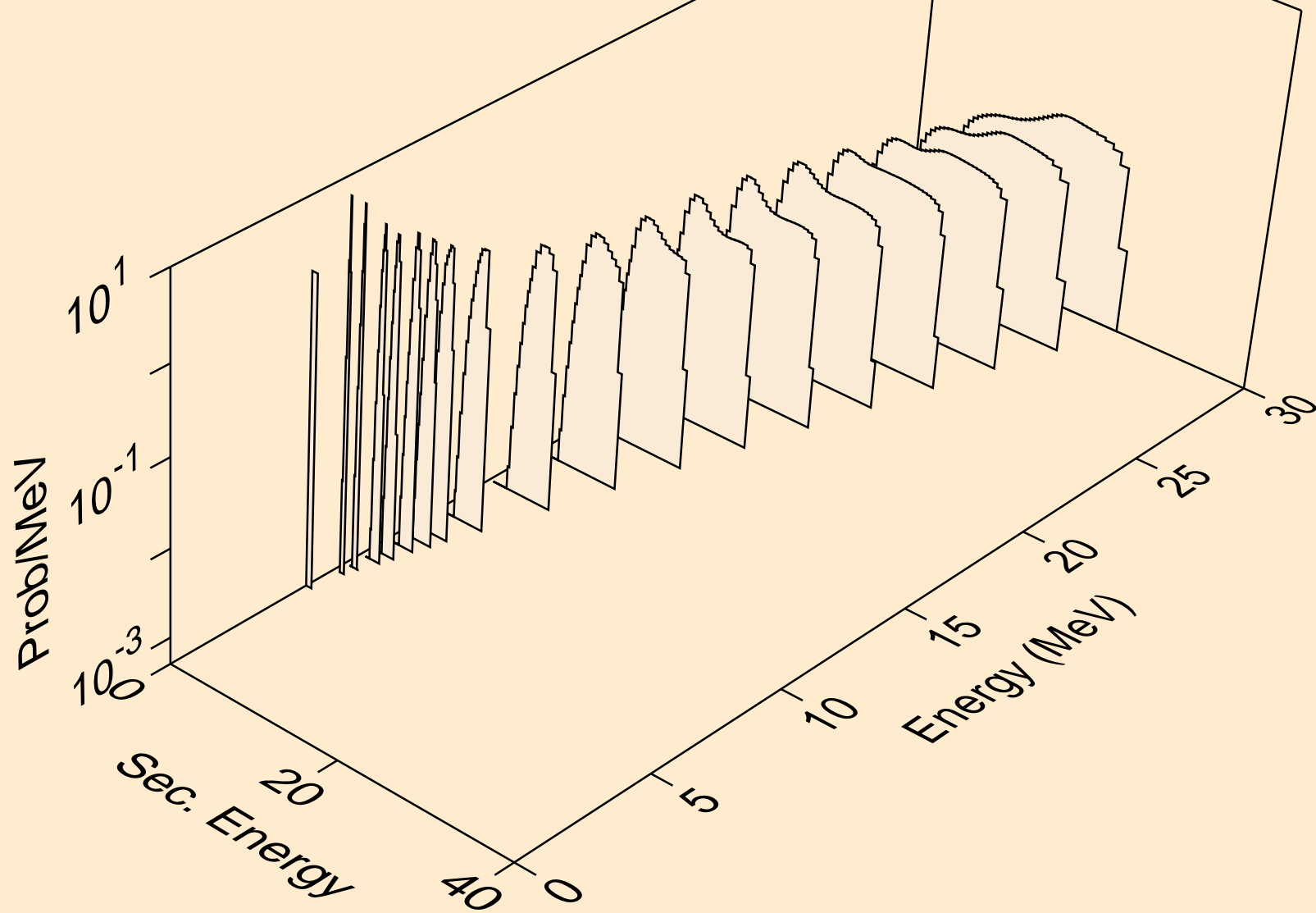
## Particle production cross sections



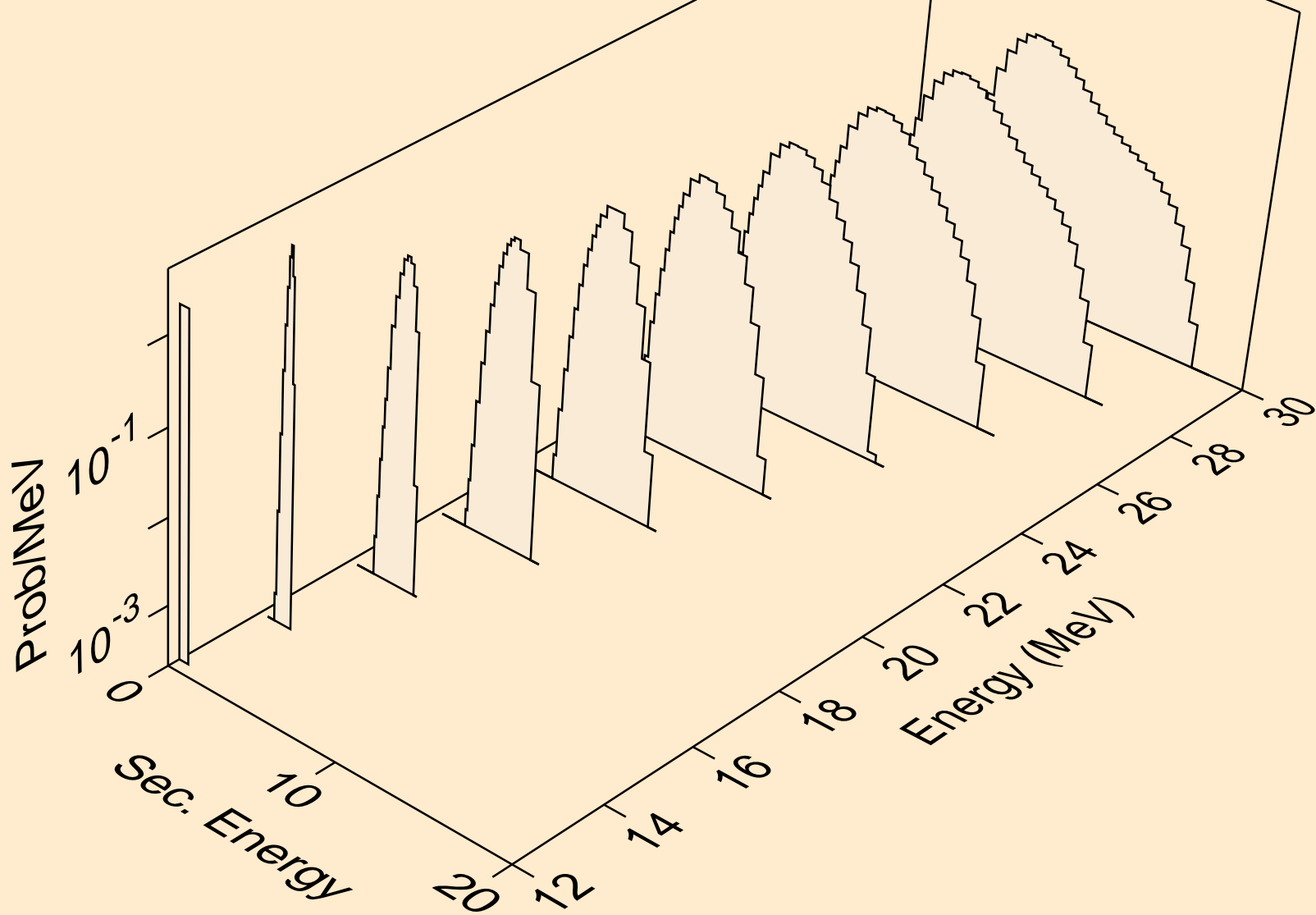
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protons from (n,x)



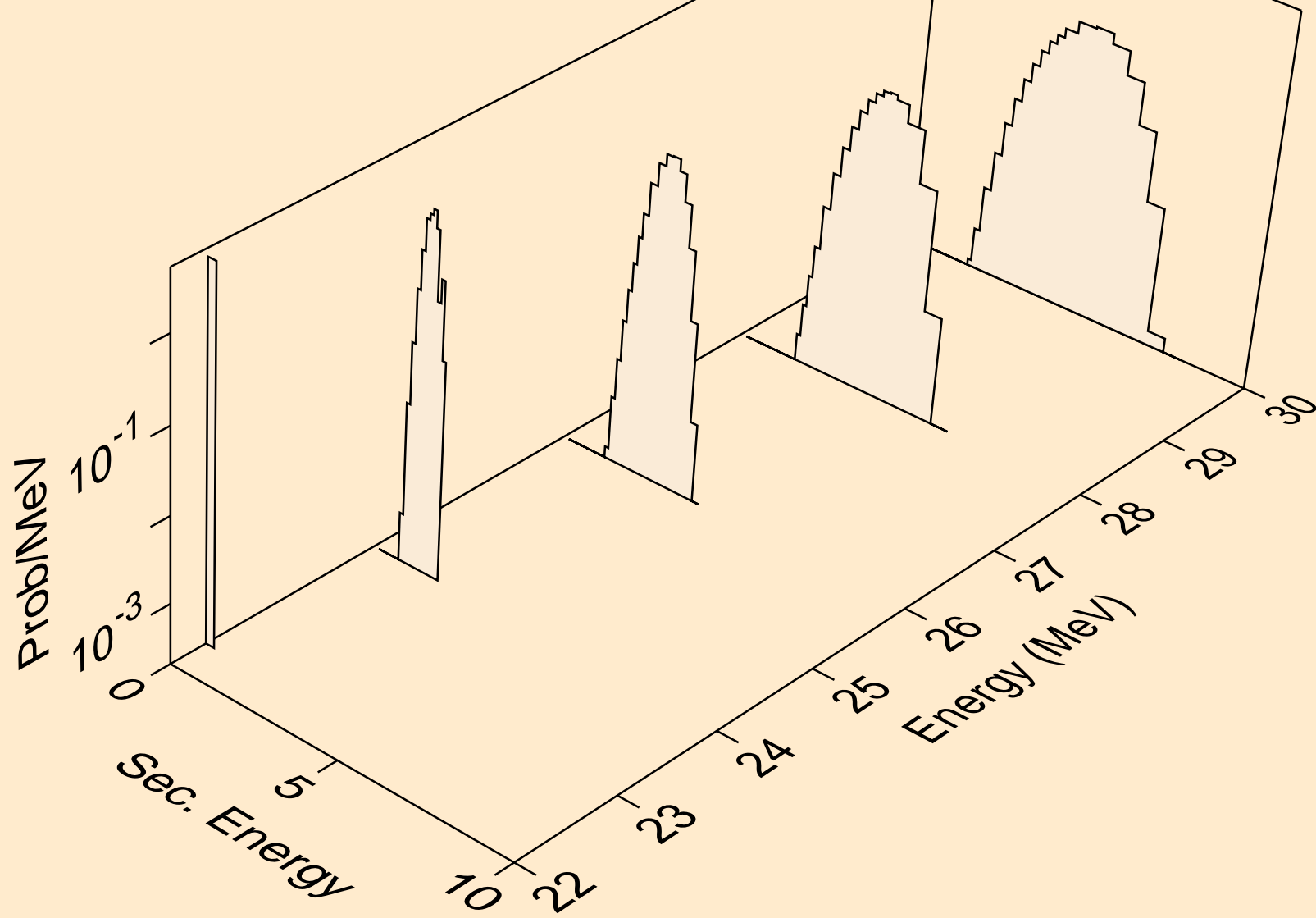
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protons from (n,n\*)p



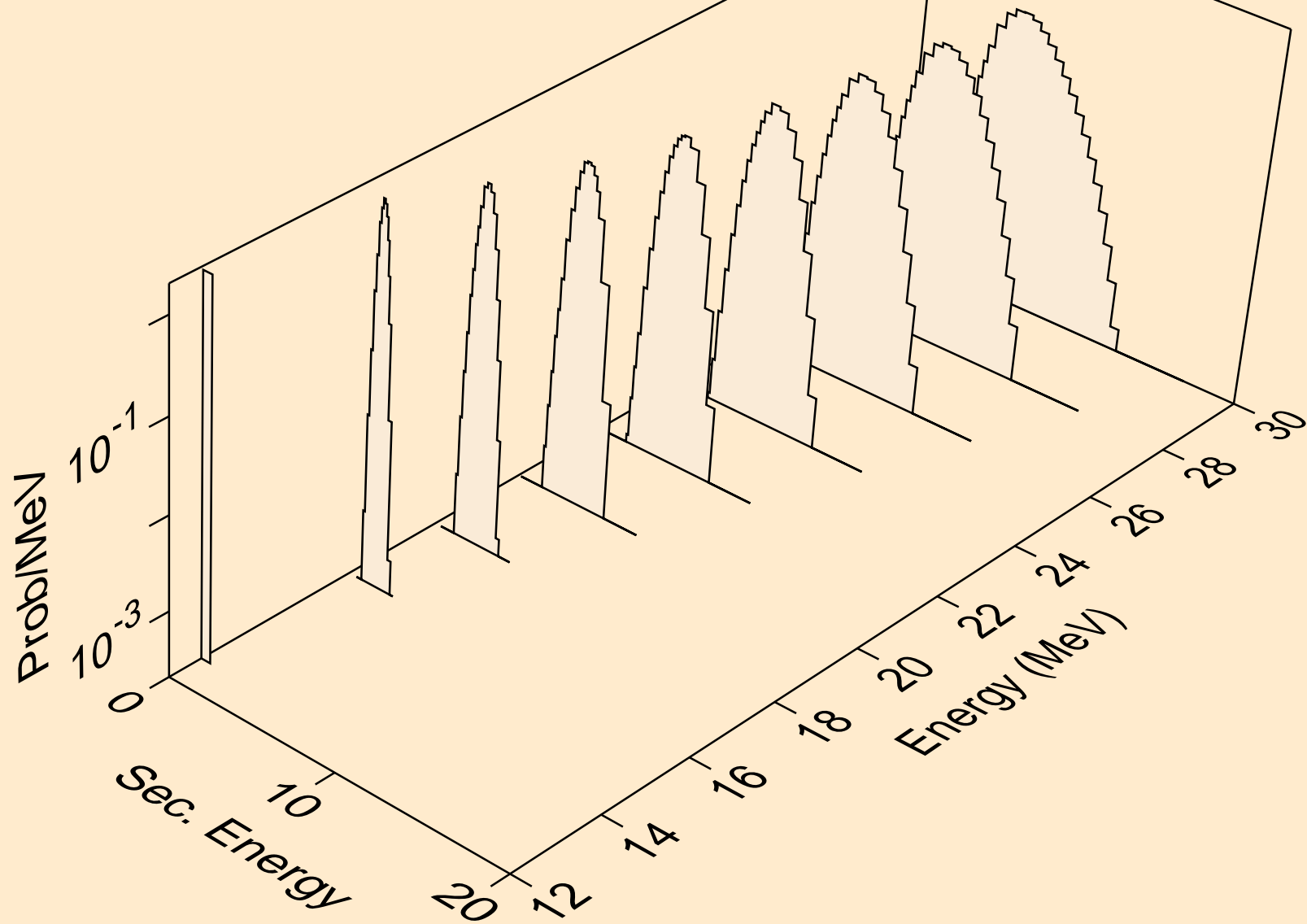
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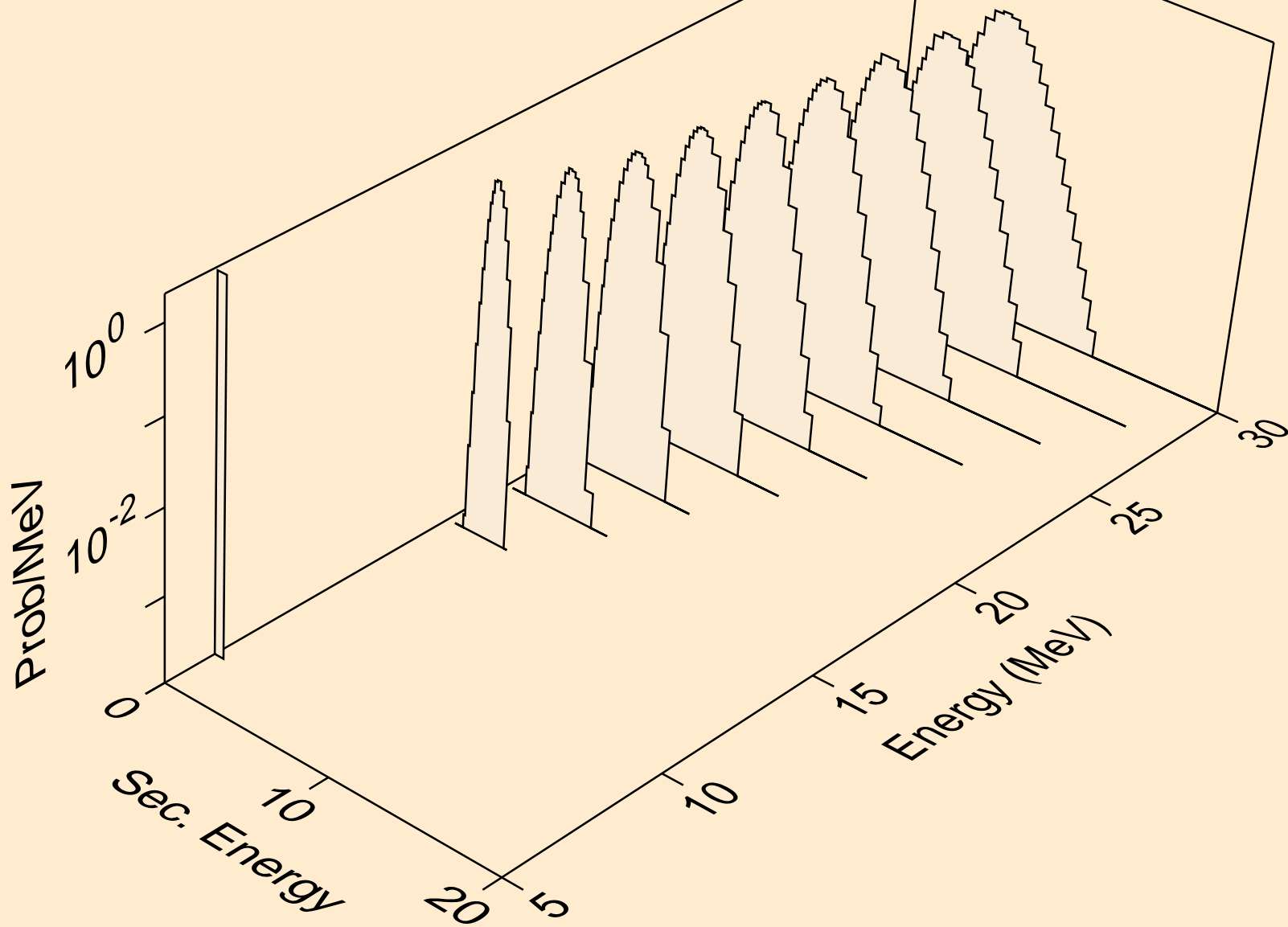
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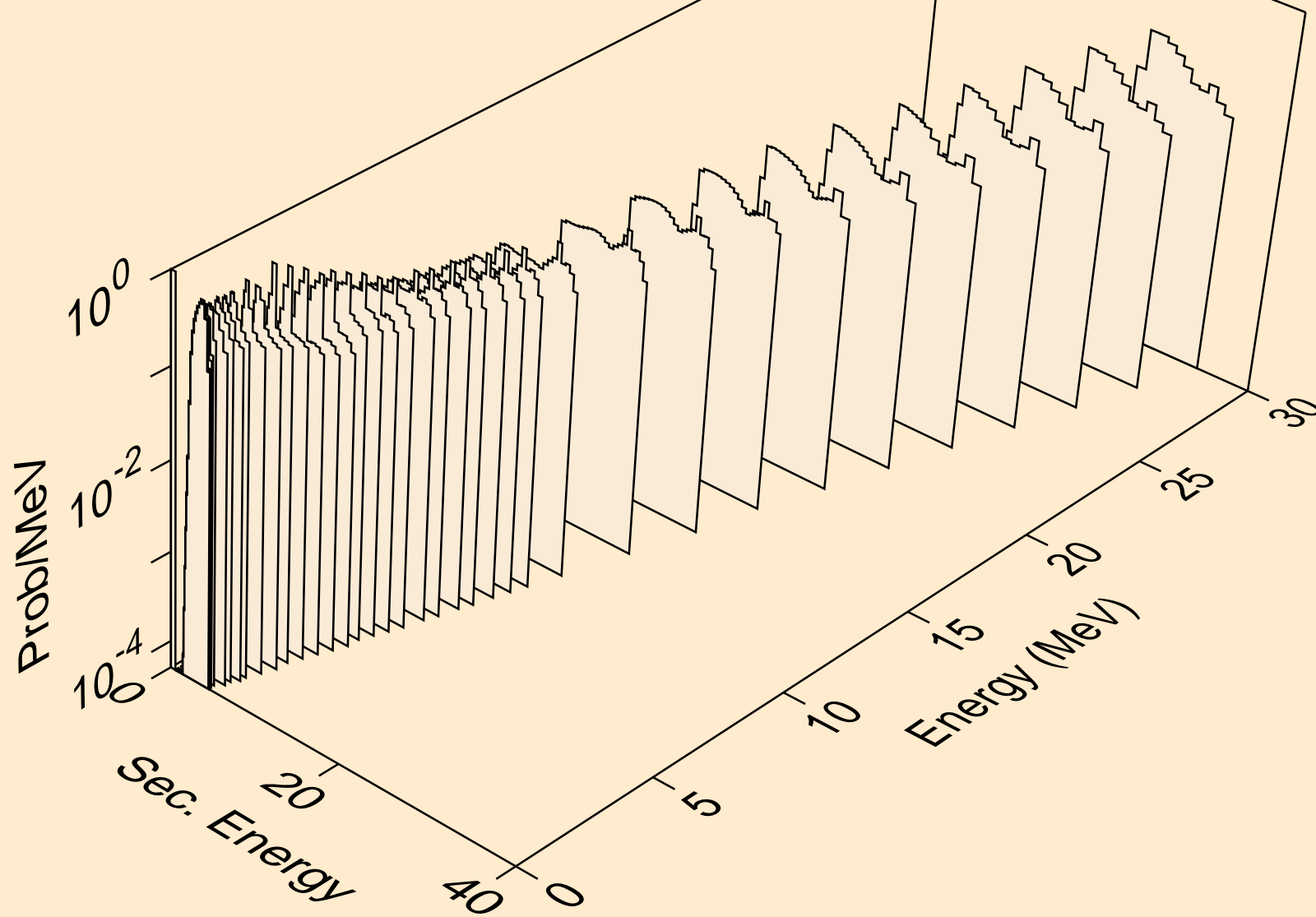
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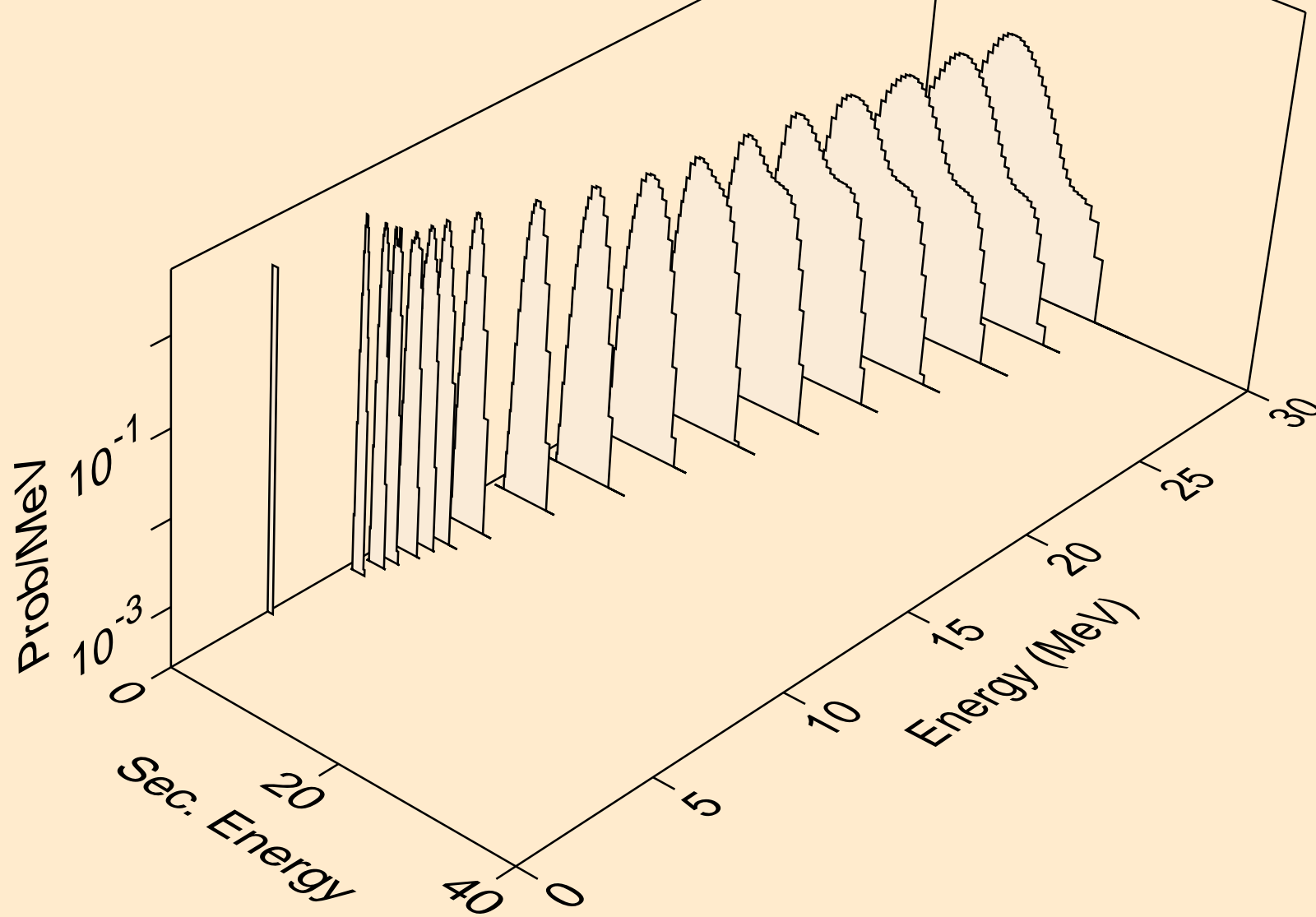
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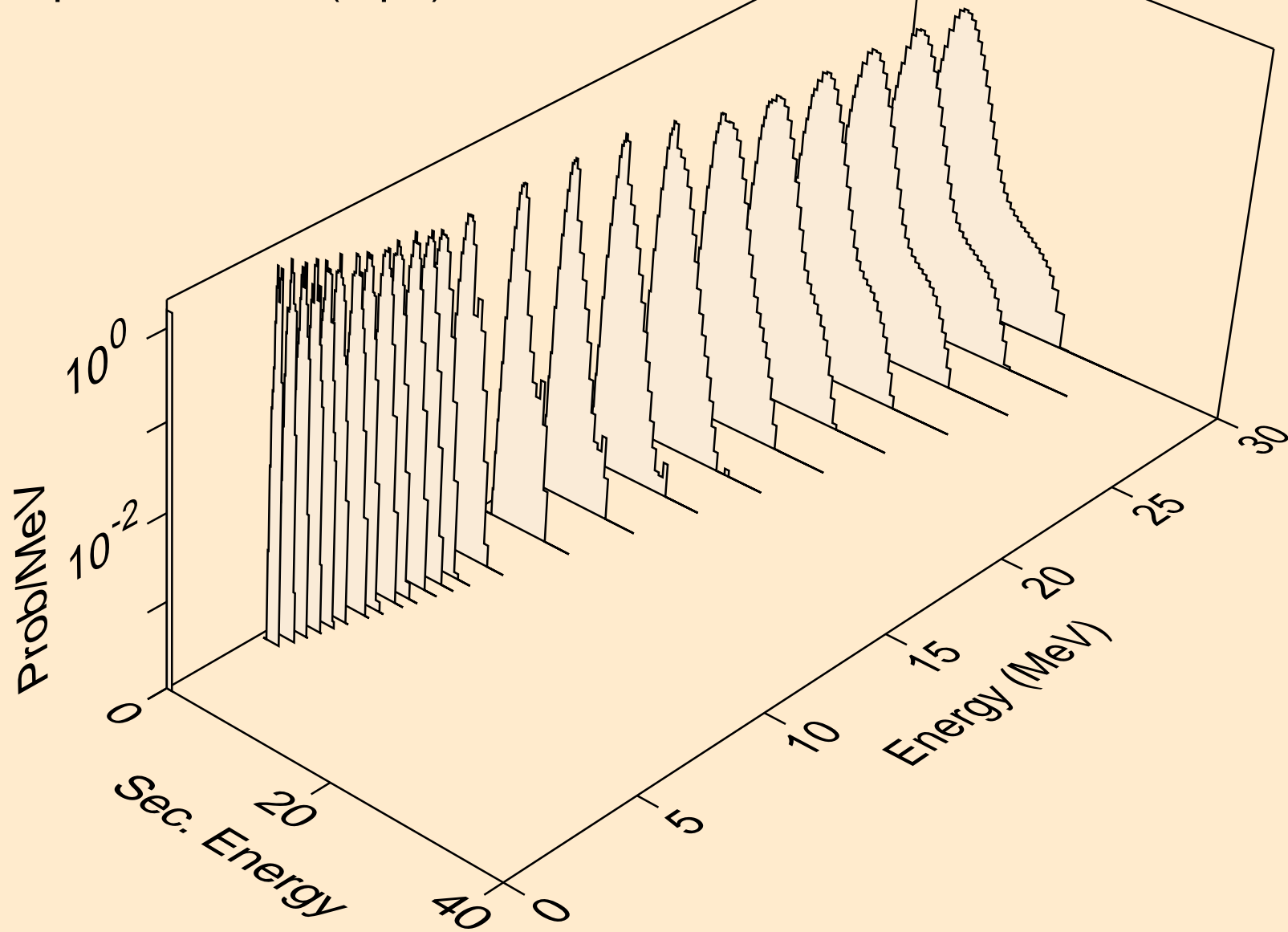
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protons from (n,p)



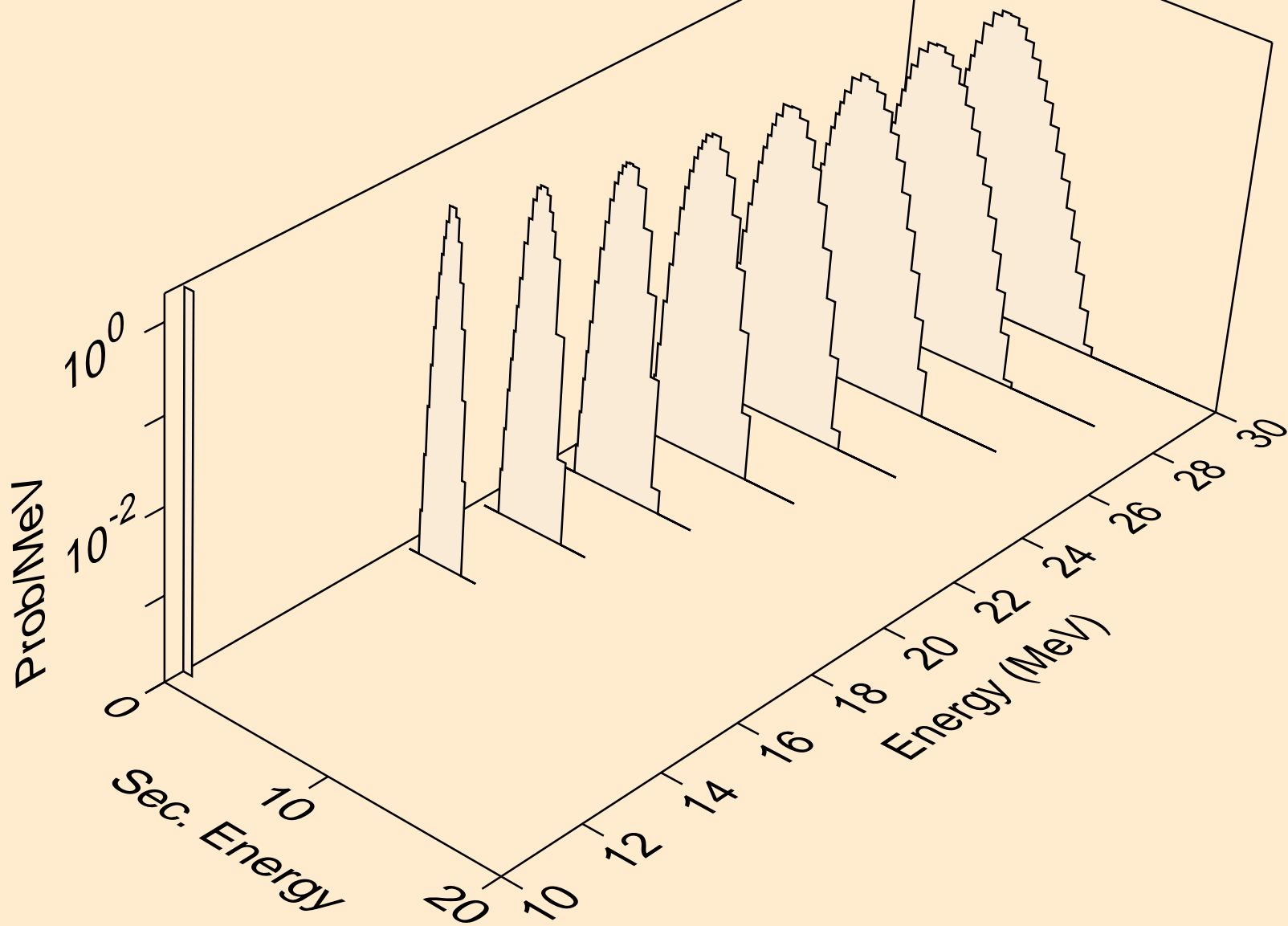
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protons from (n,2p)



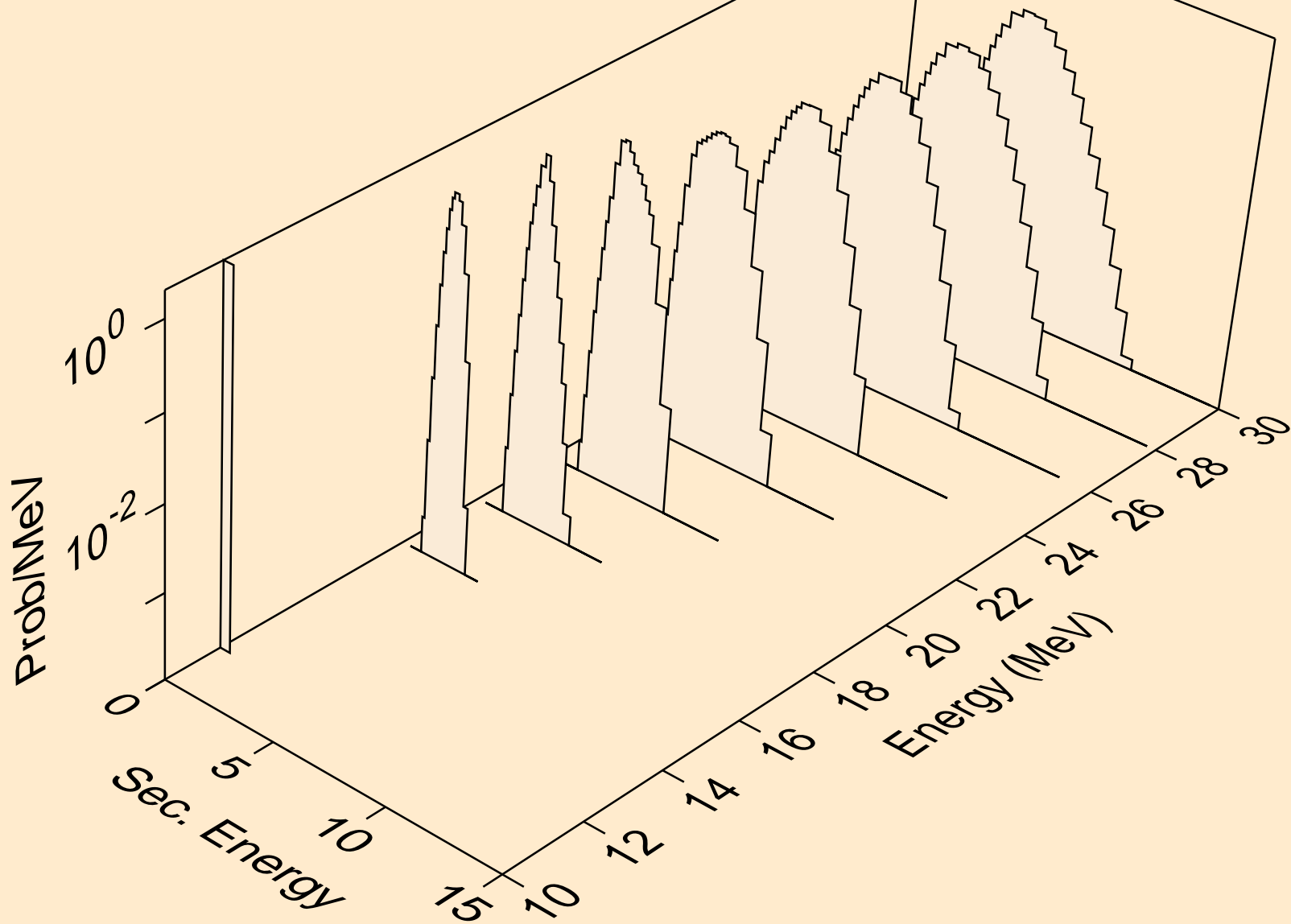
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protons from (n,p)



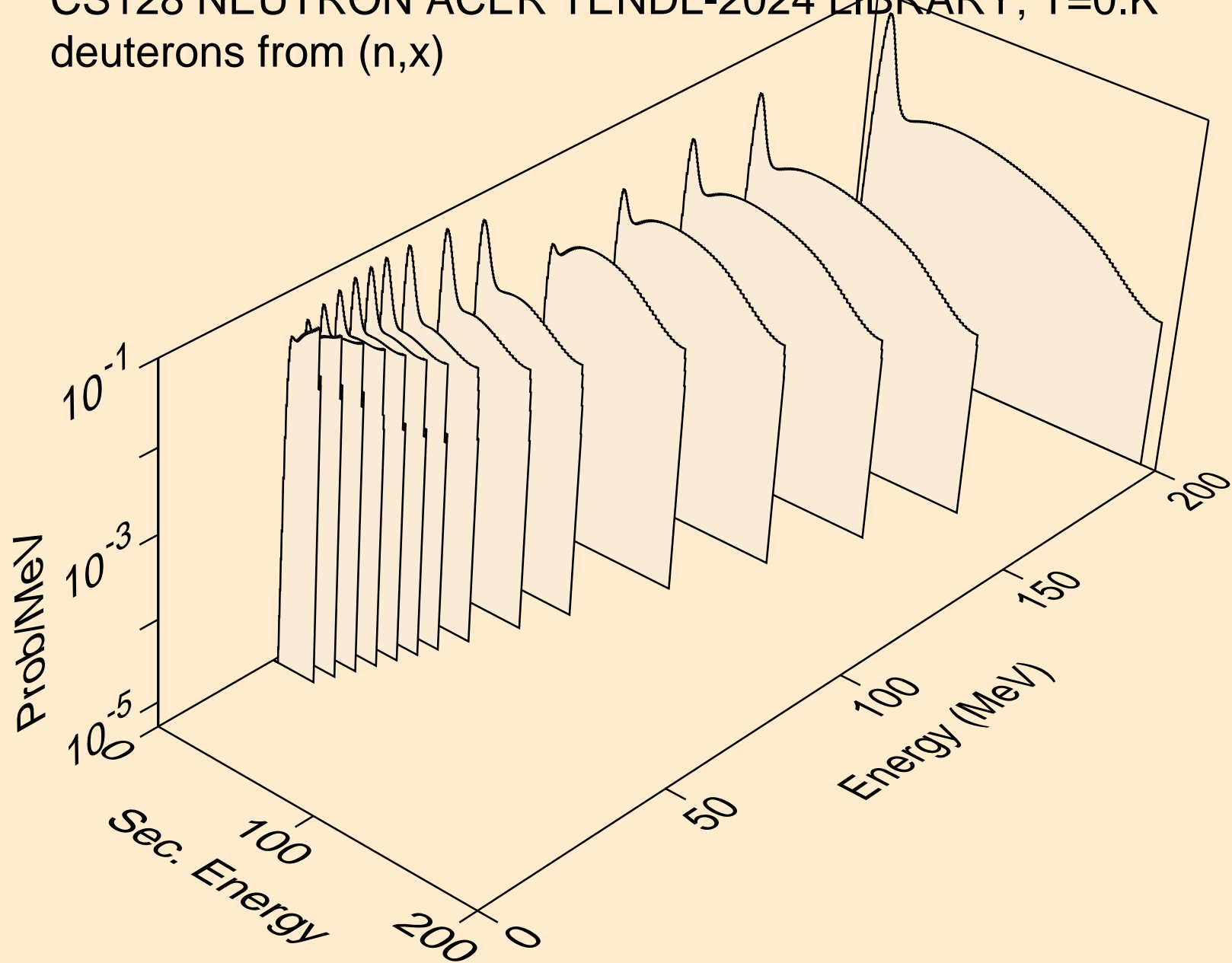
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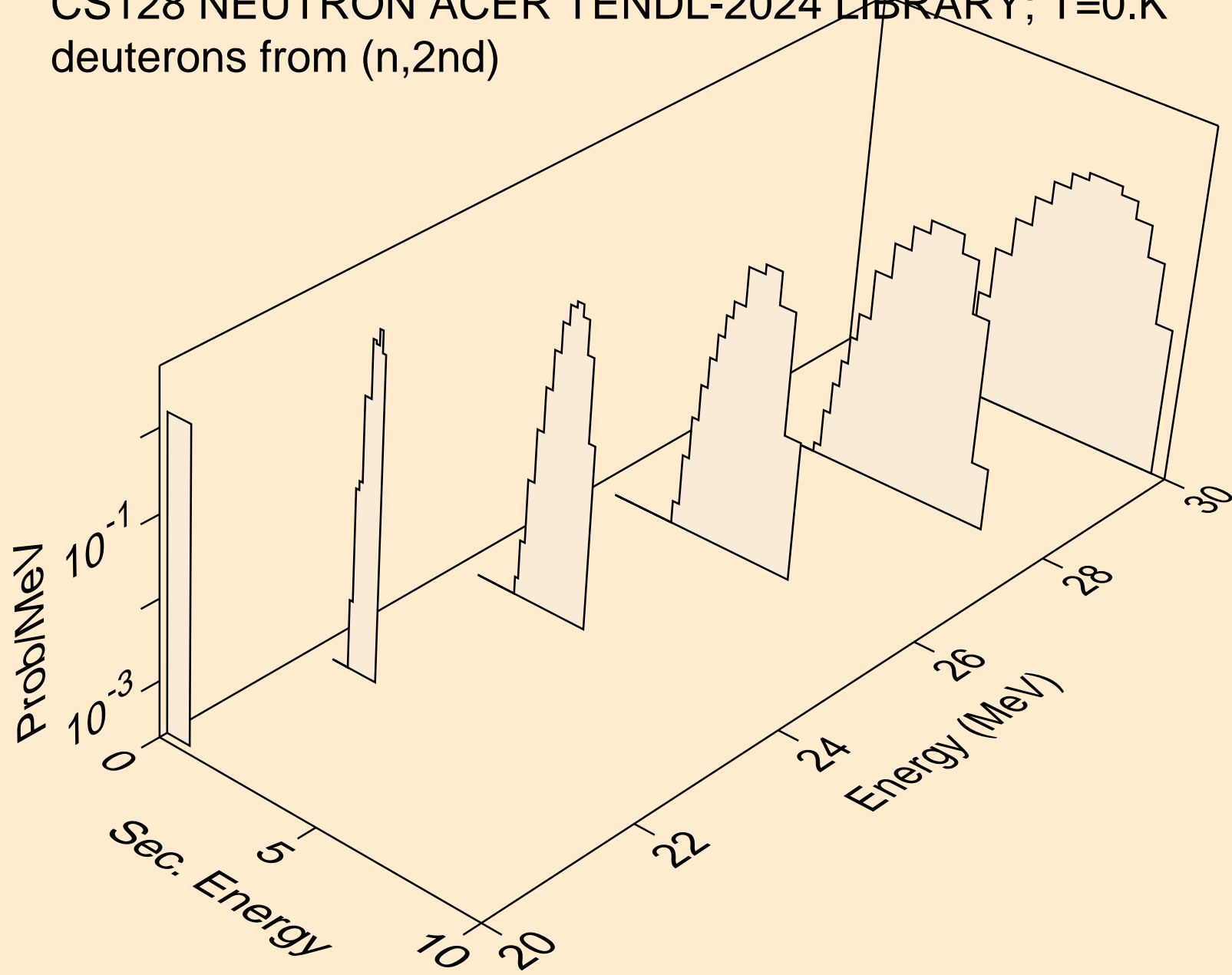
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protons from (n,pt)



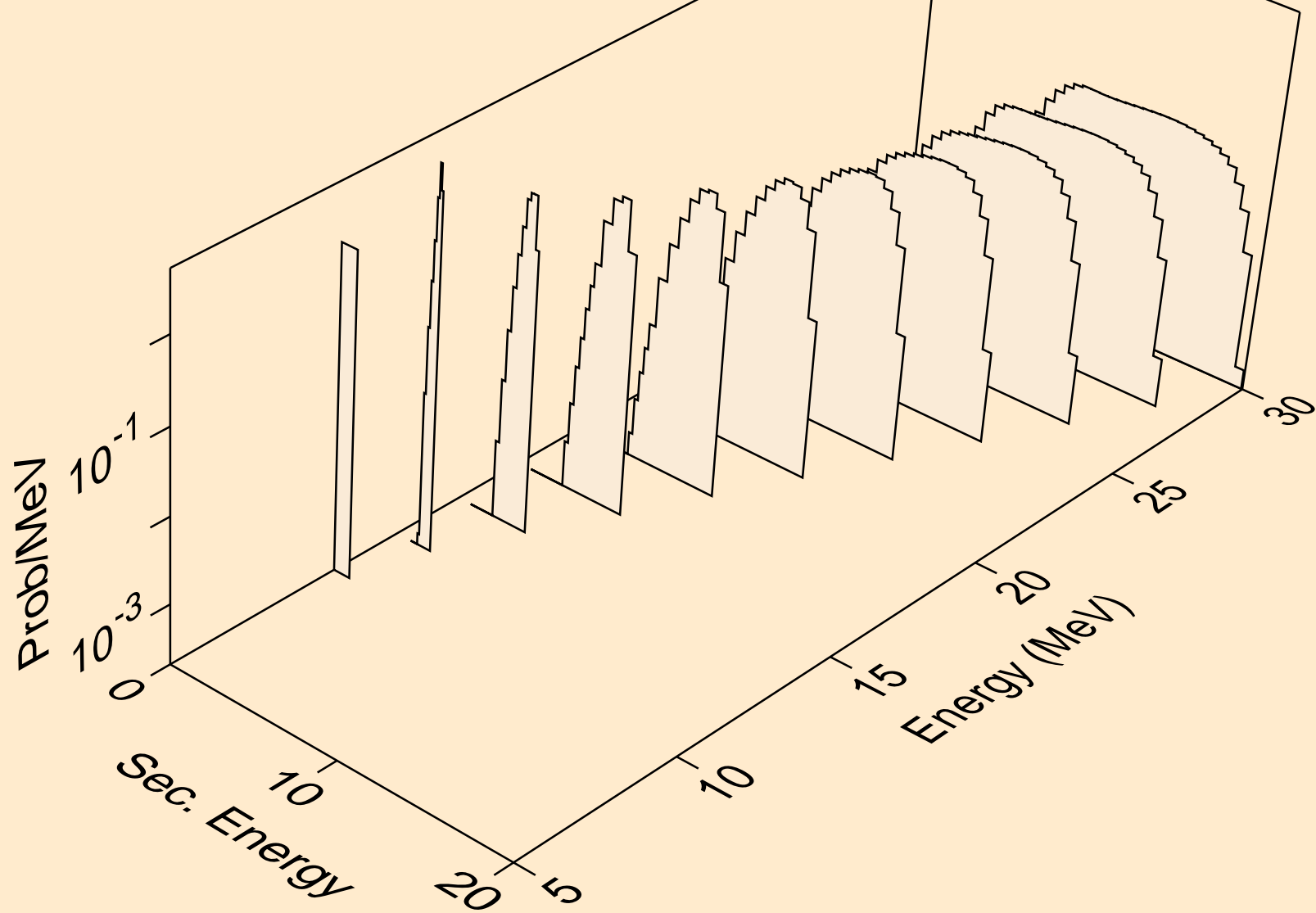
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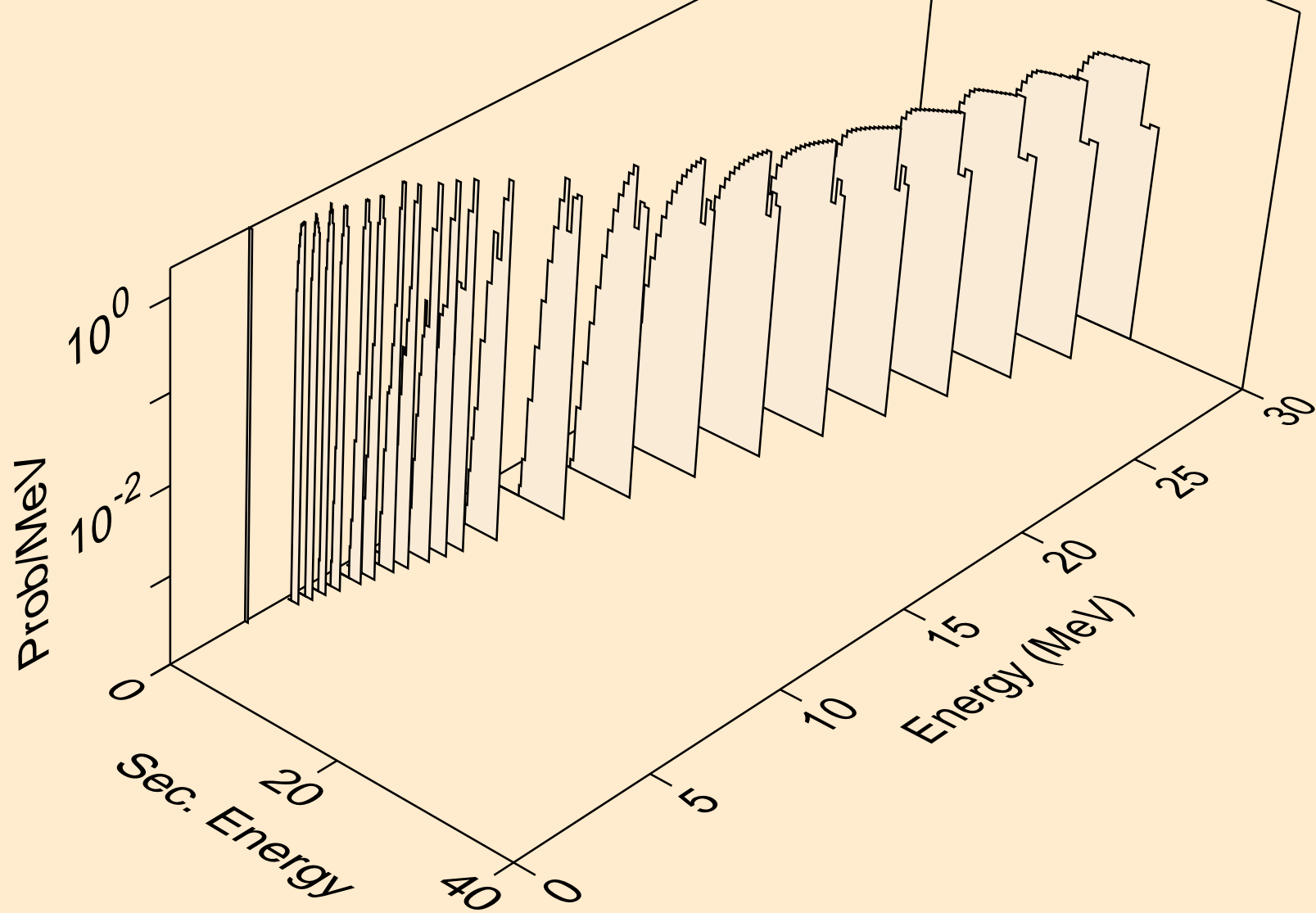
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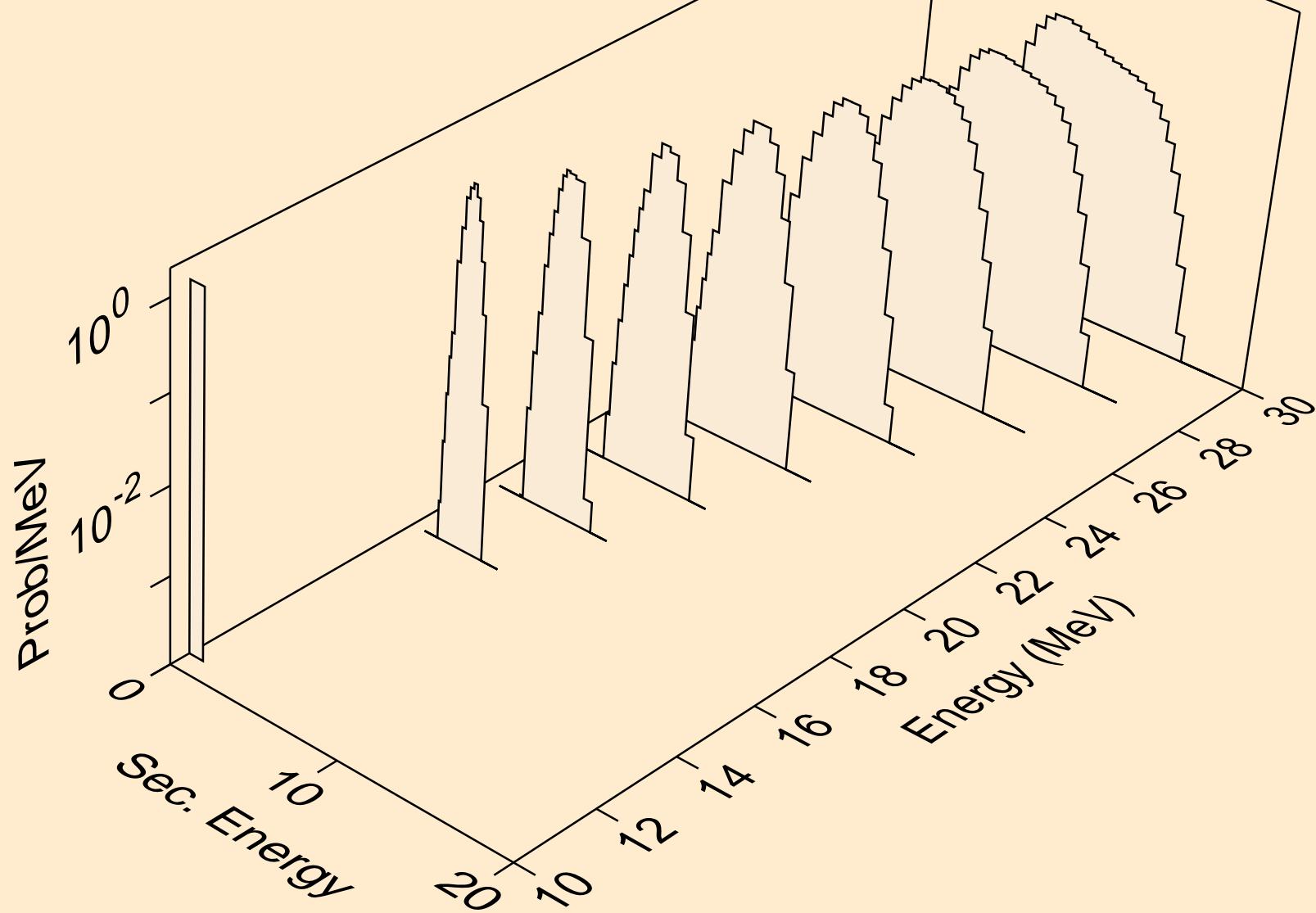
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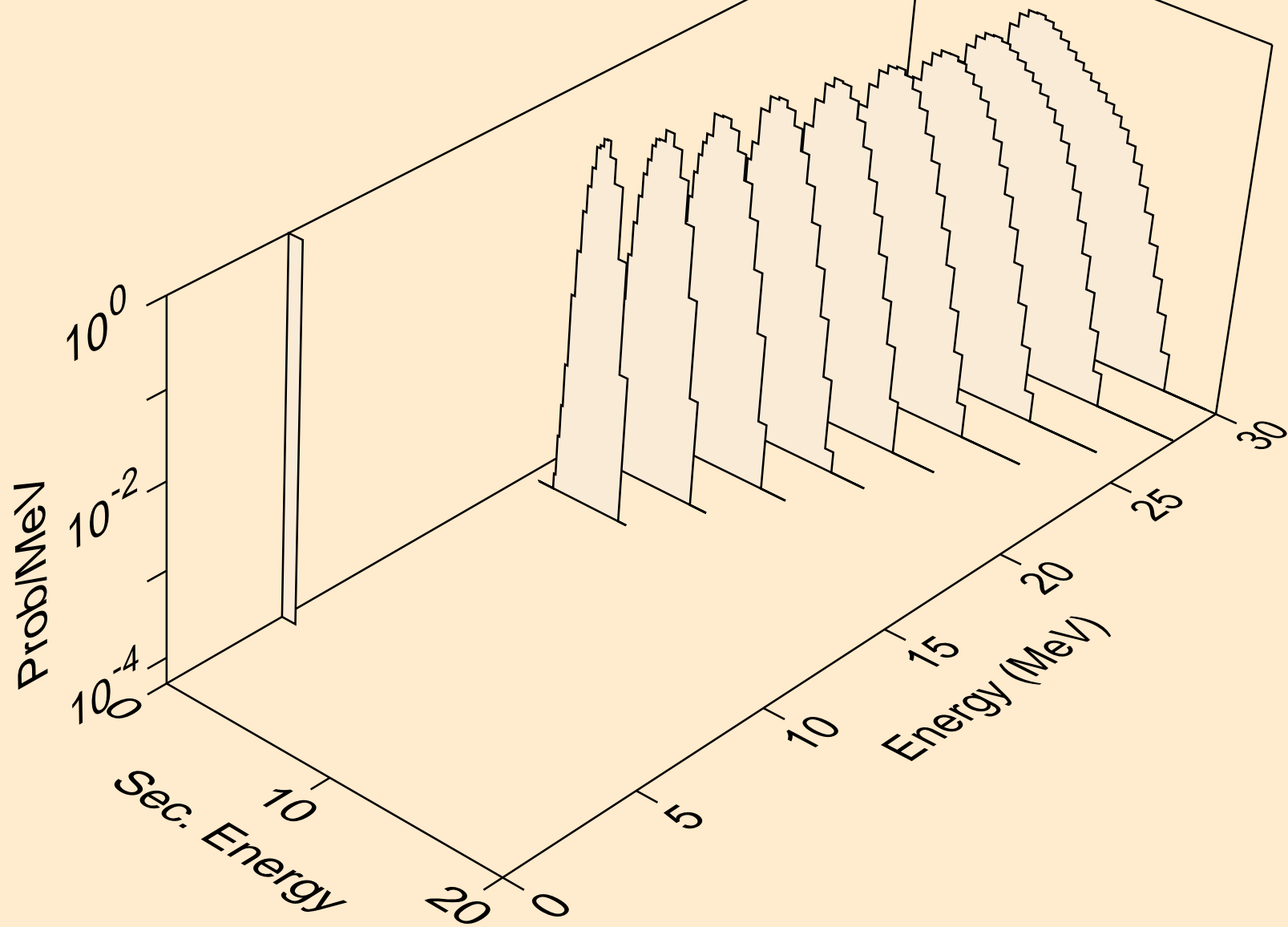
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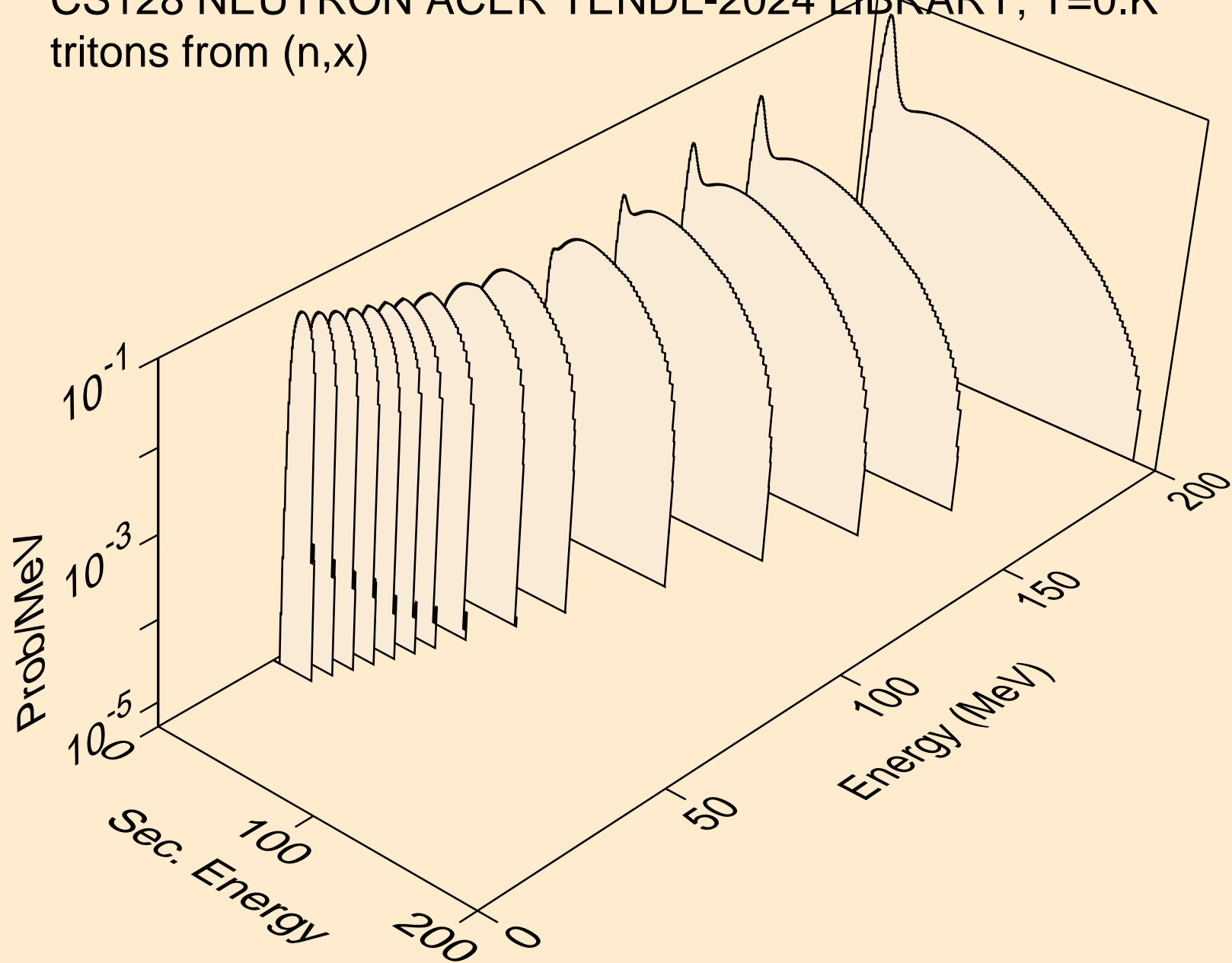
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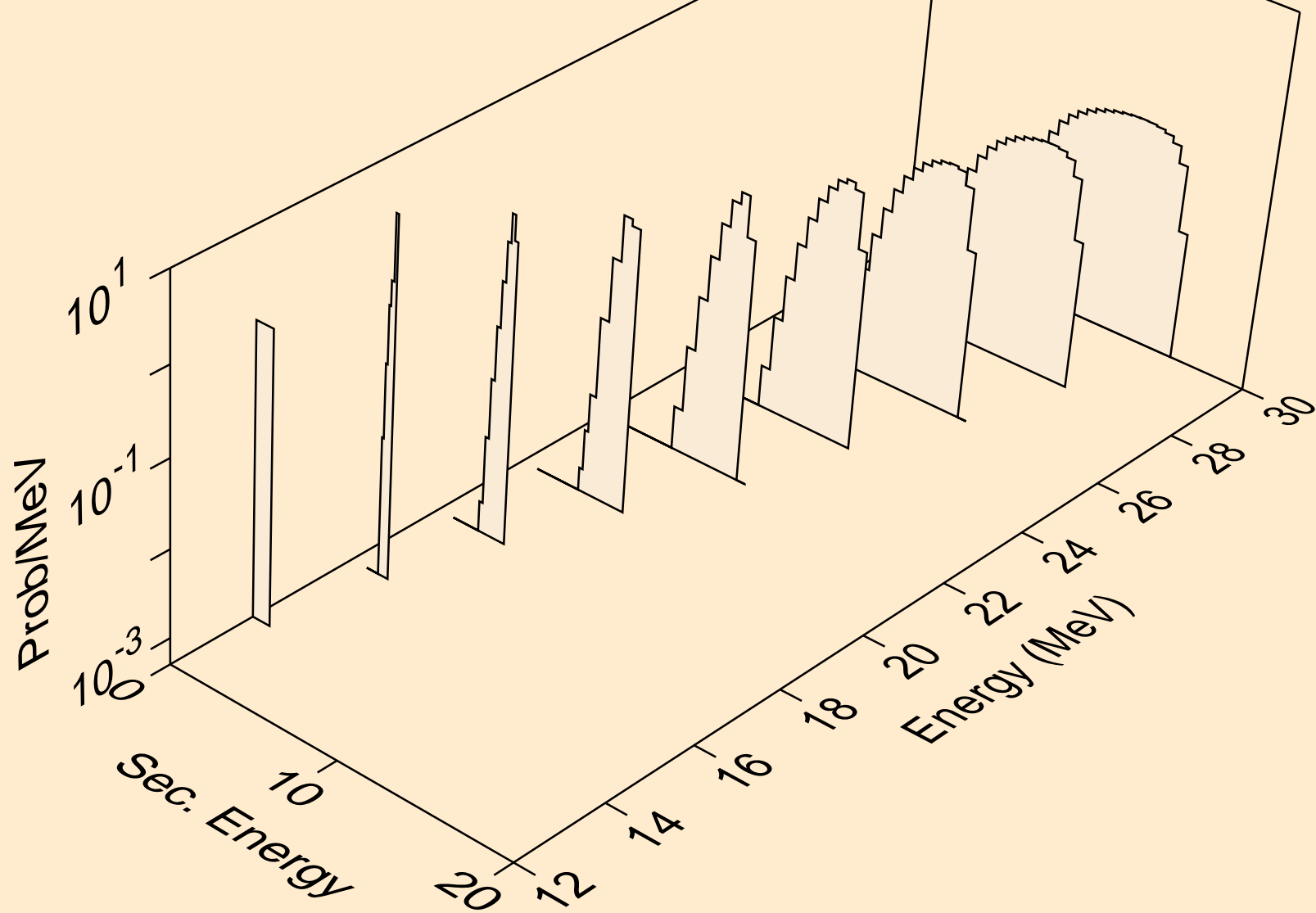
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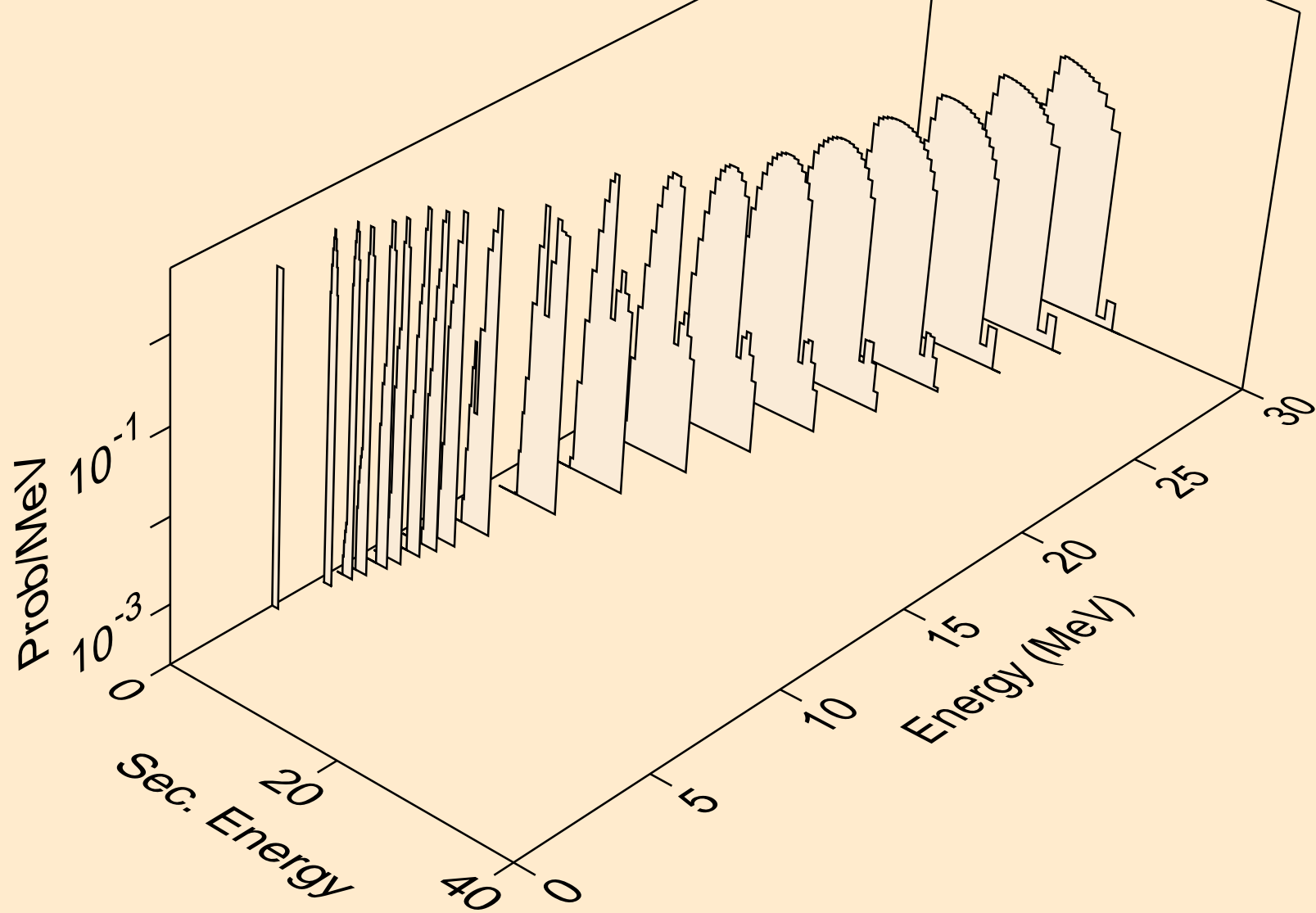
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



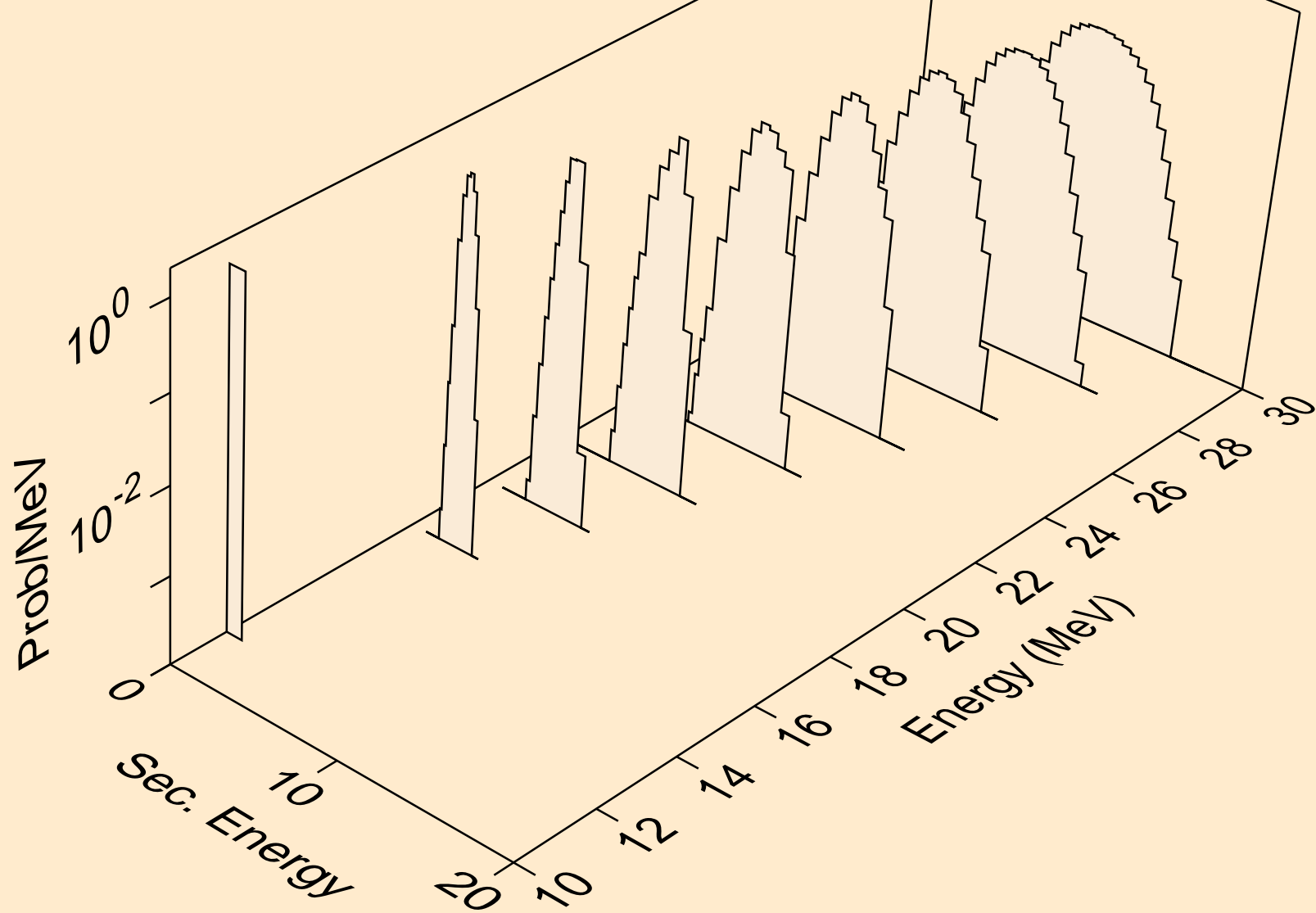
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tritons from (n,n\*)t



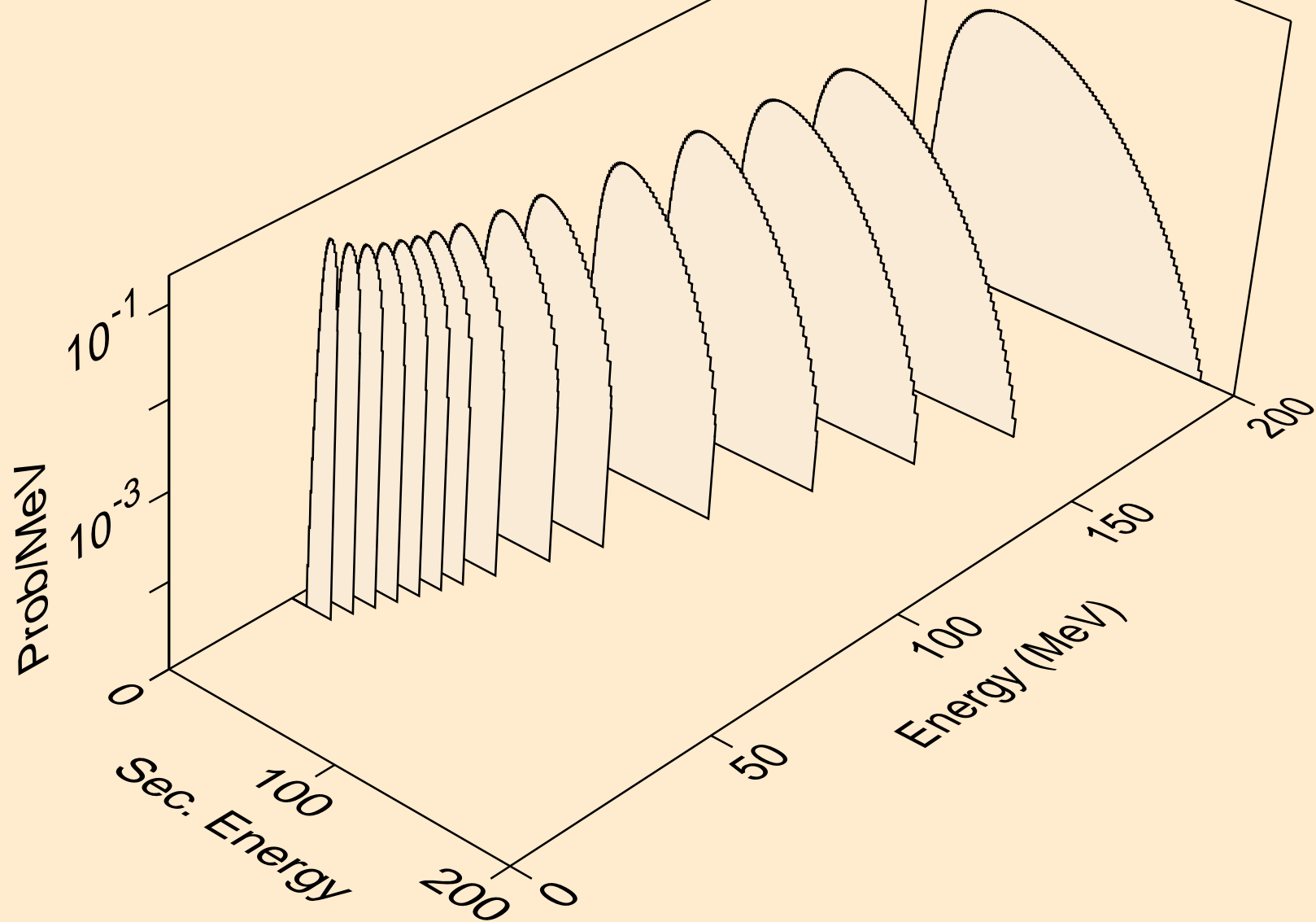
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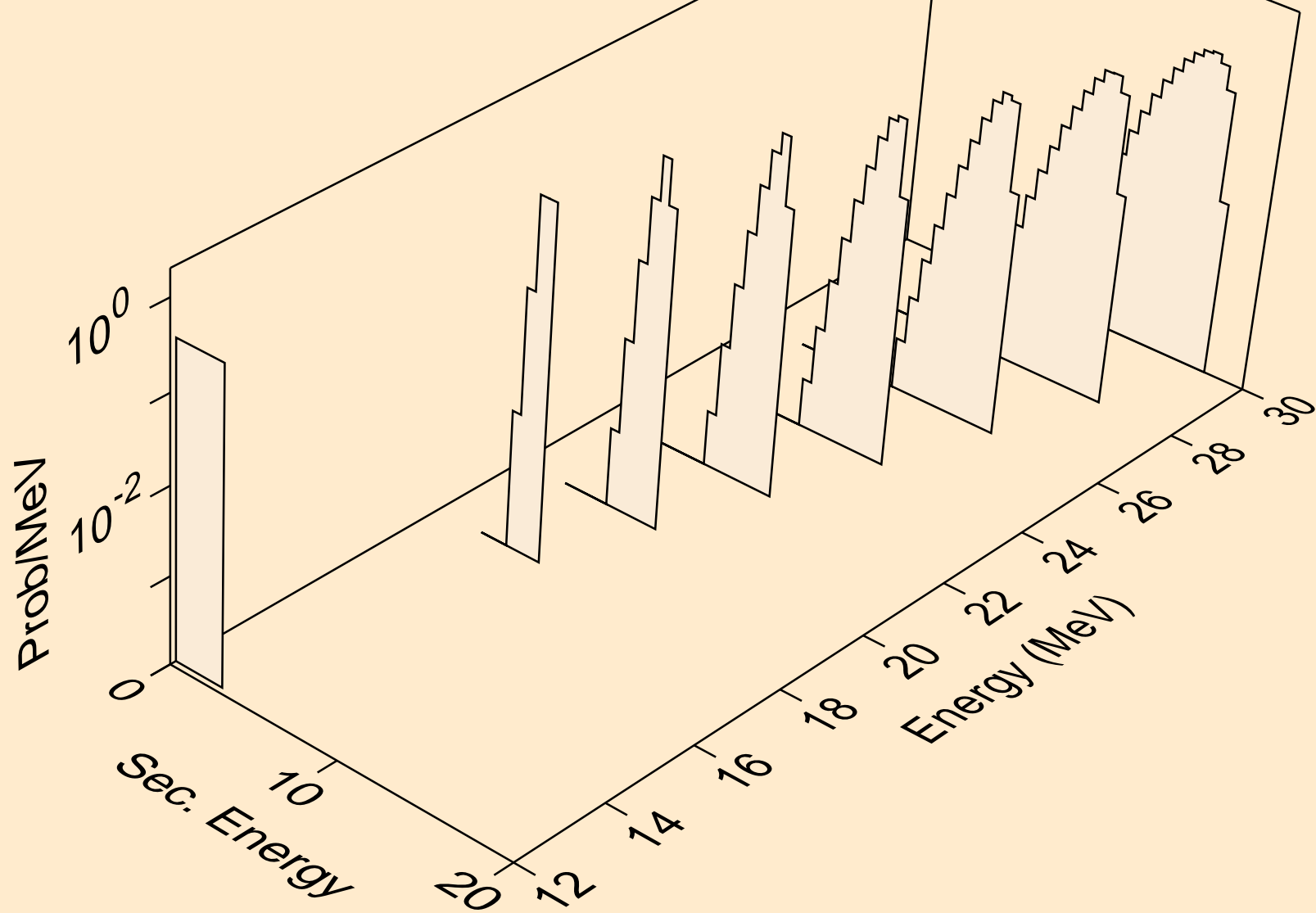
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tritons from (n,pt)



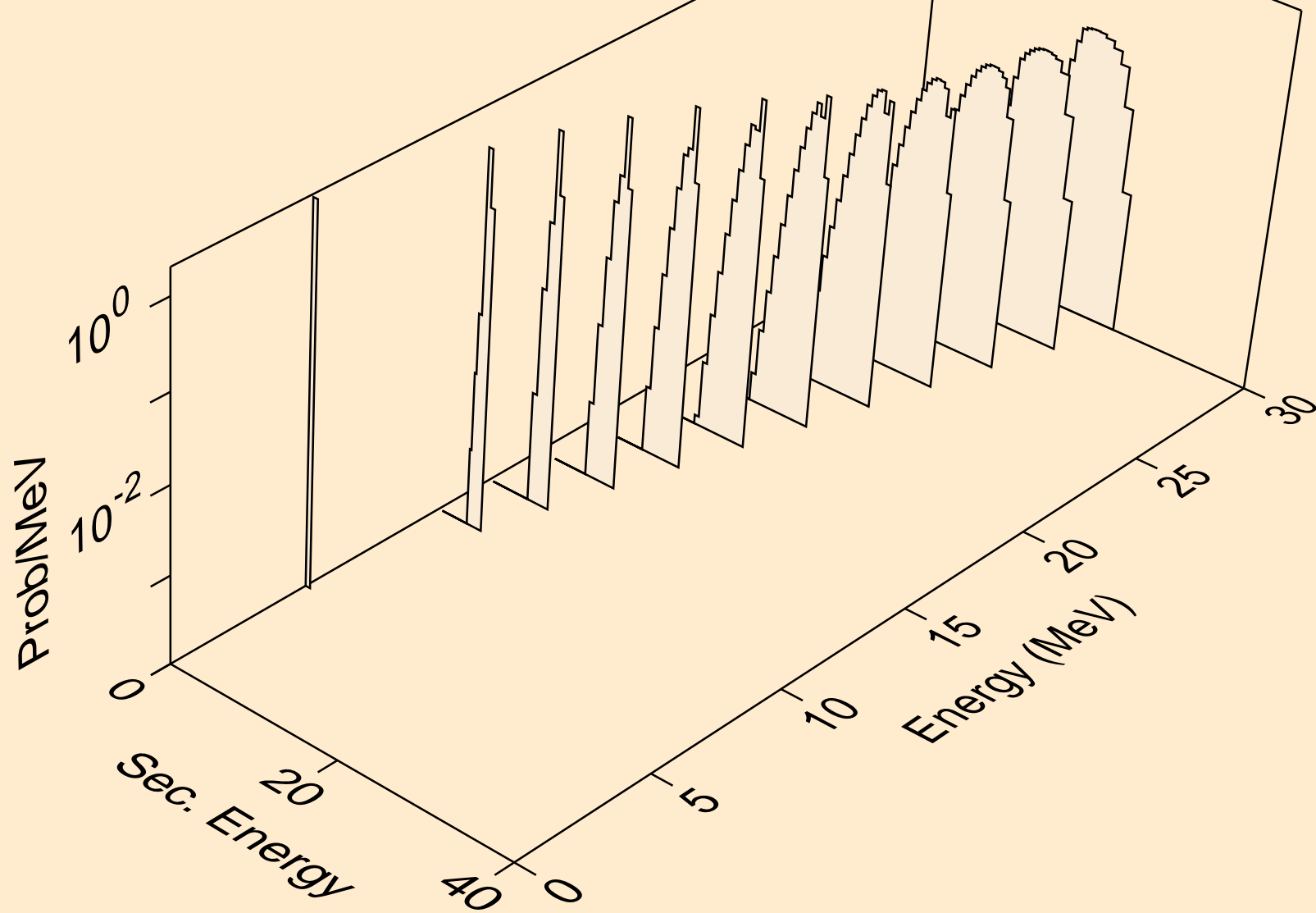
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he3s from (n,x)



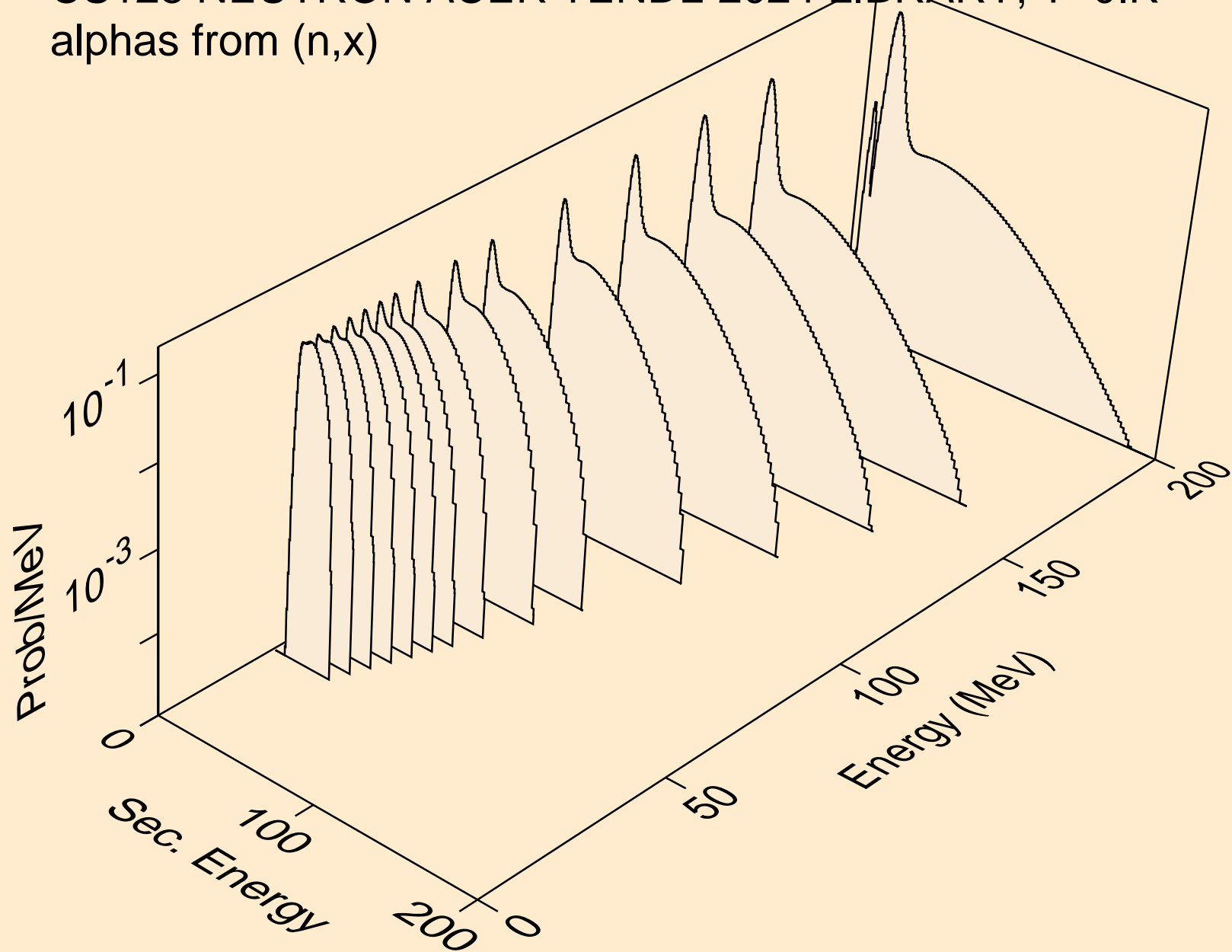
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he3s from (n,n\*)he3



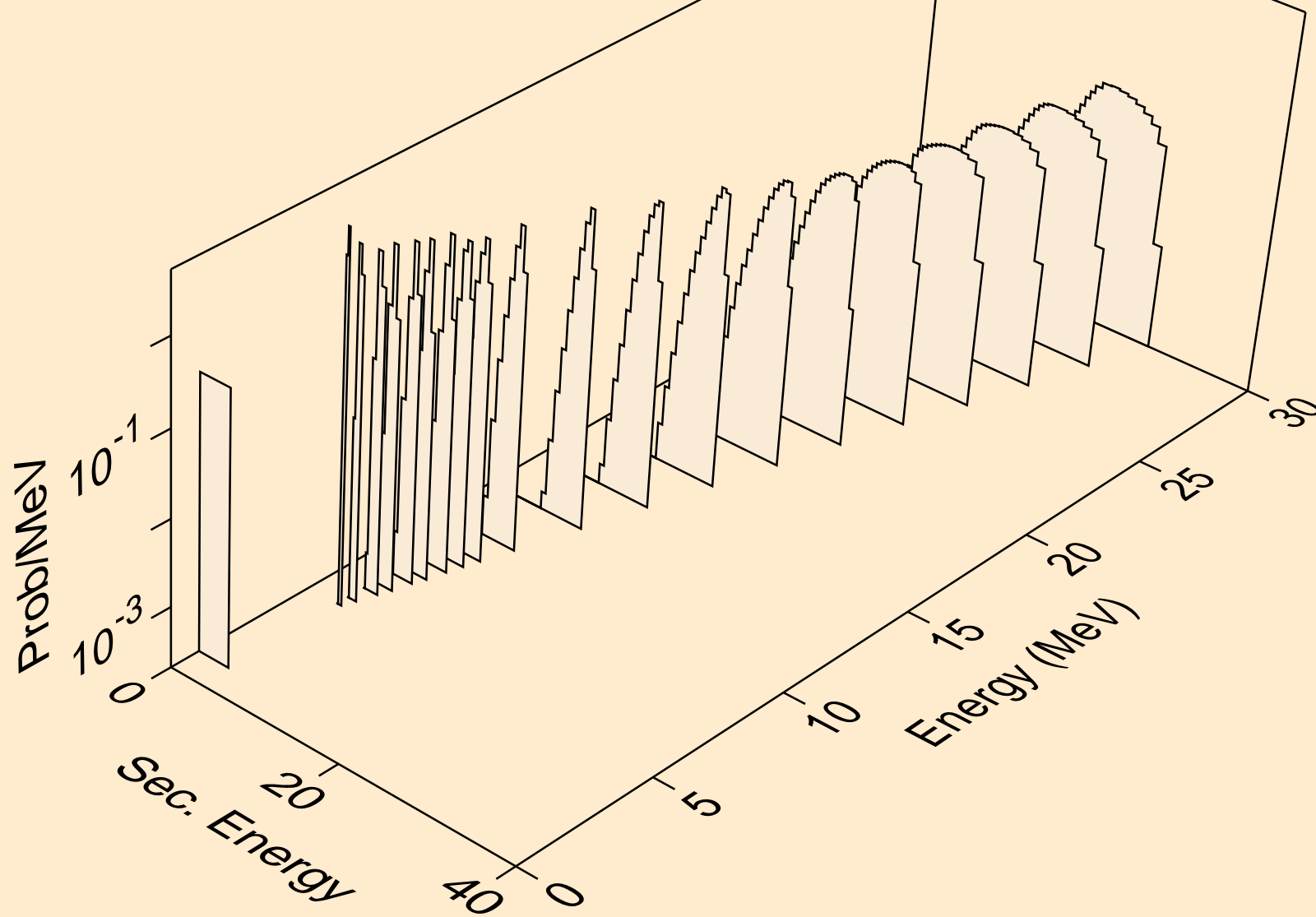
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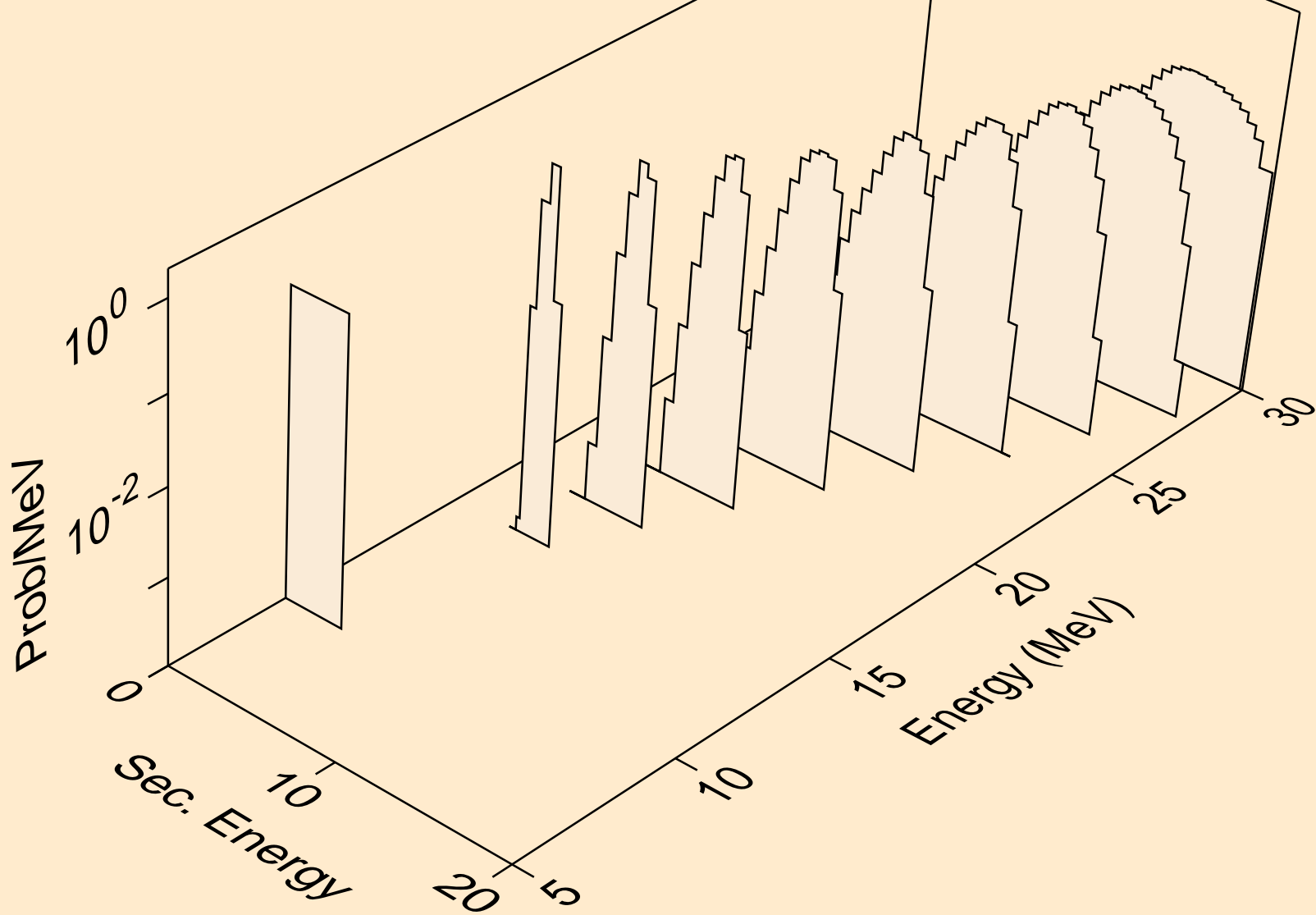
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alphas from (n,x)



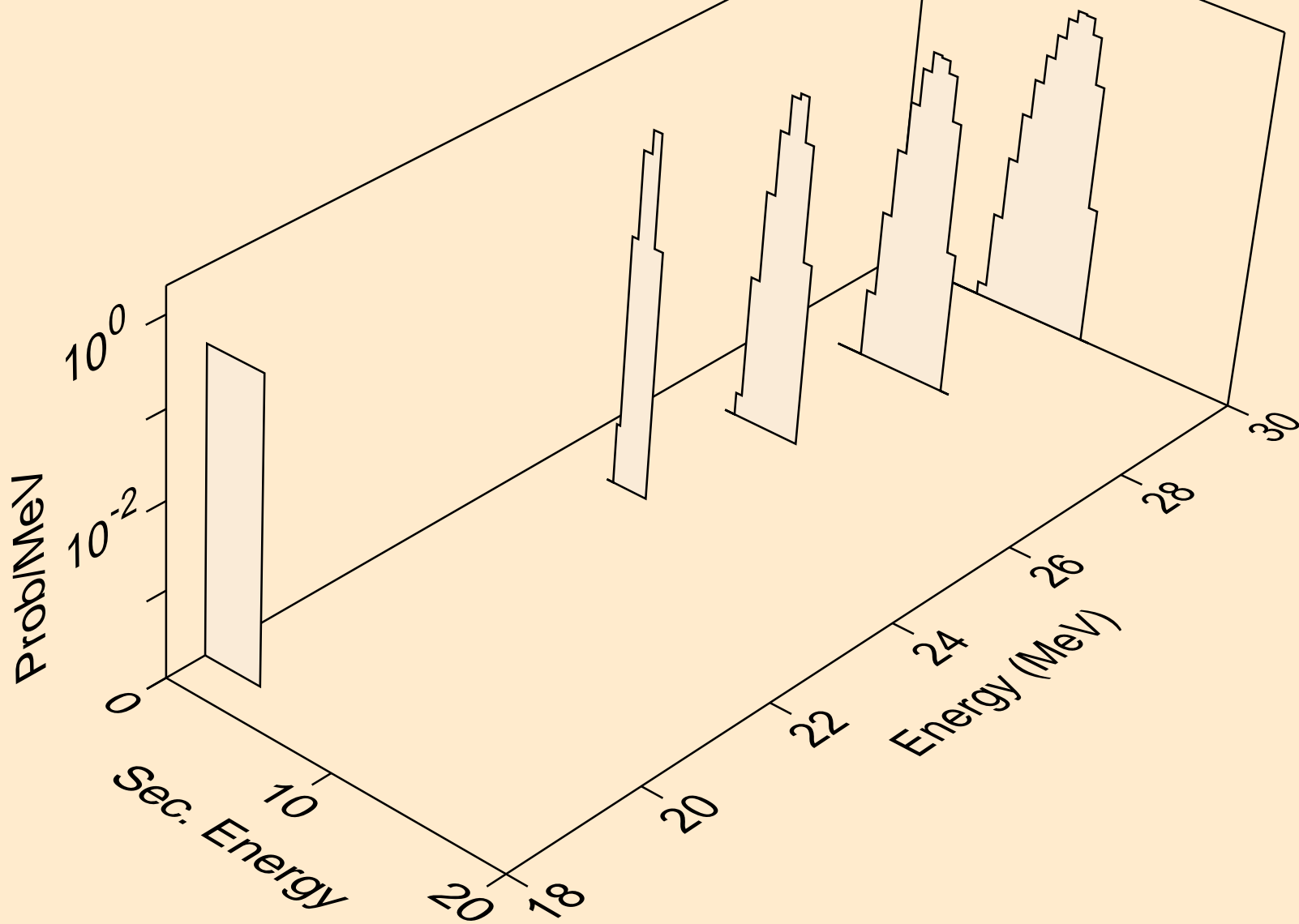
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alphas from (n,n\*)a



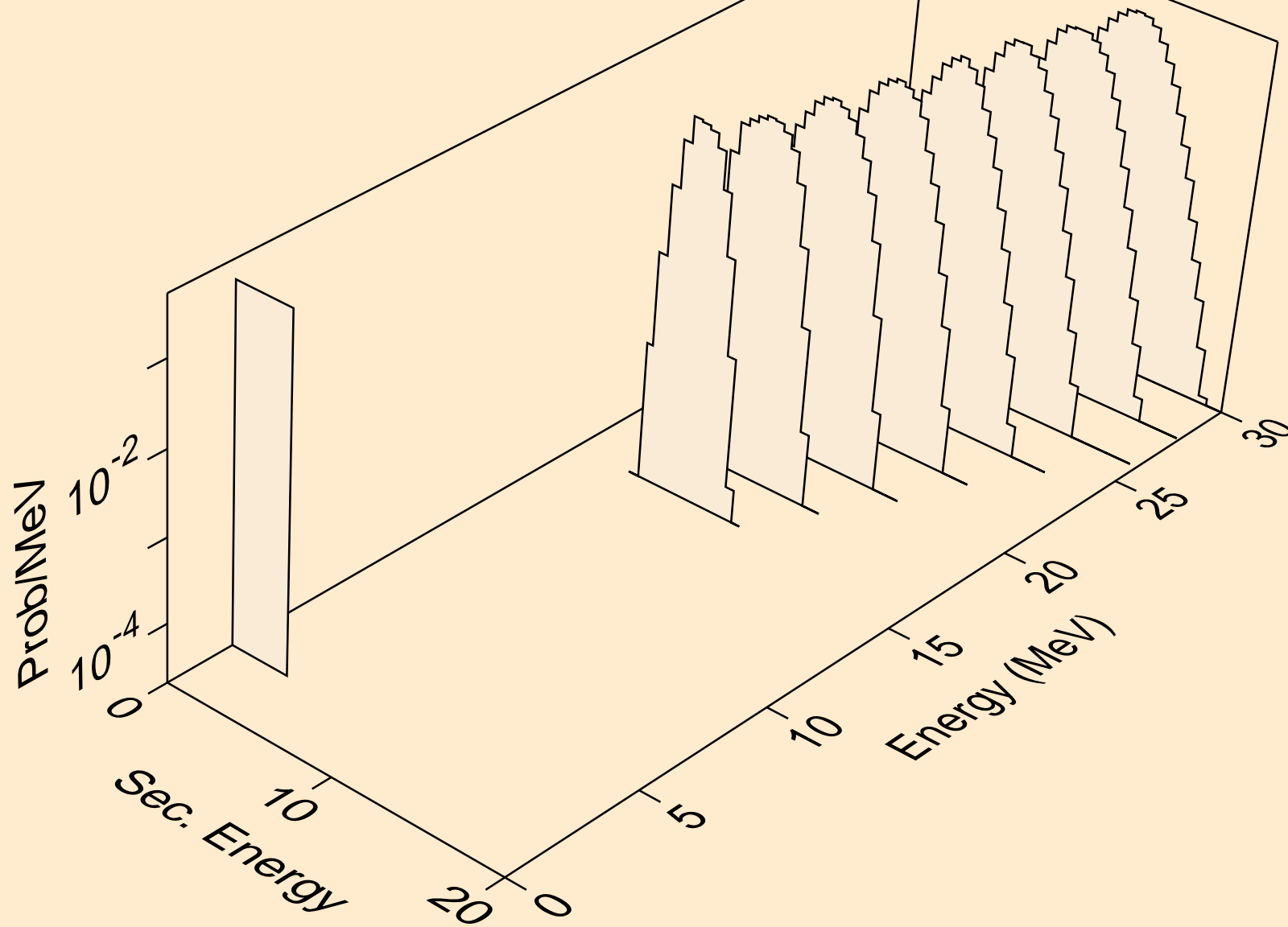
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alphas from (n,2n)a



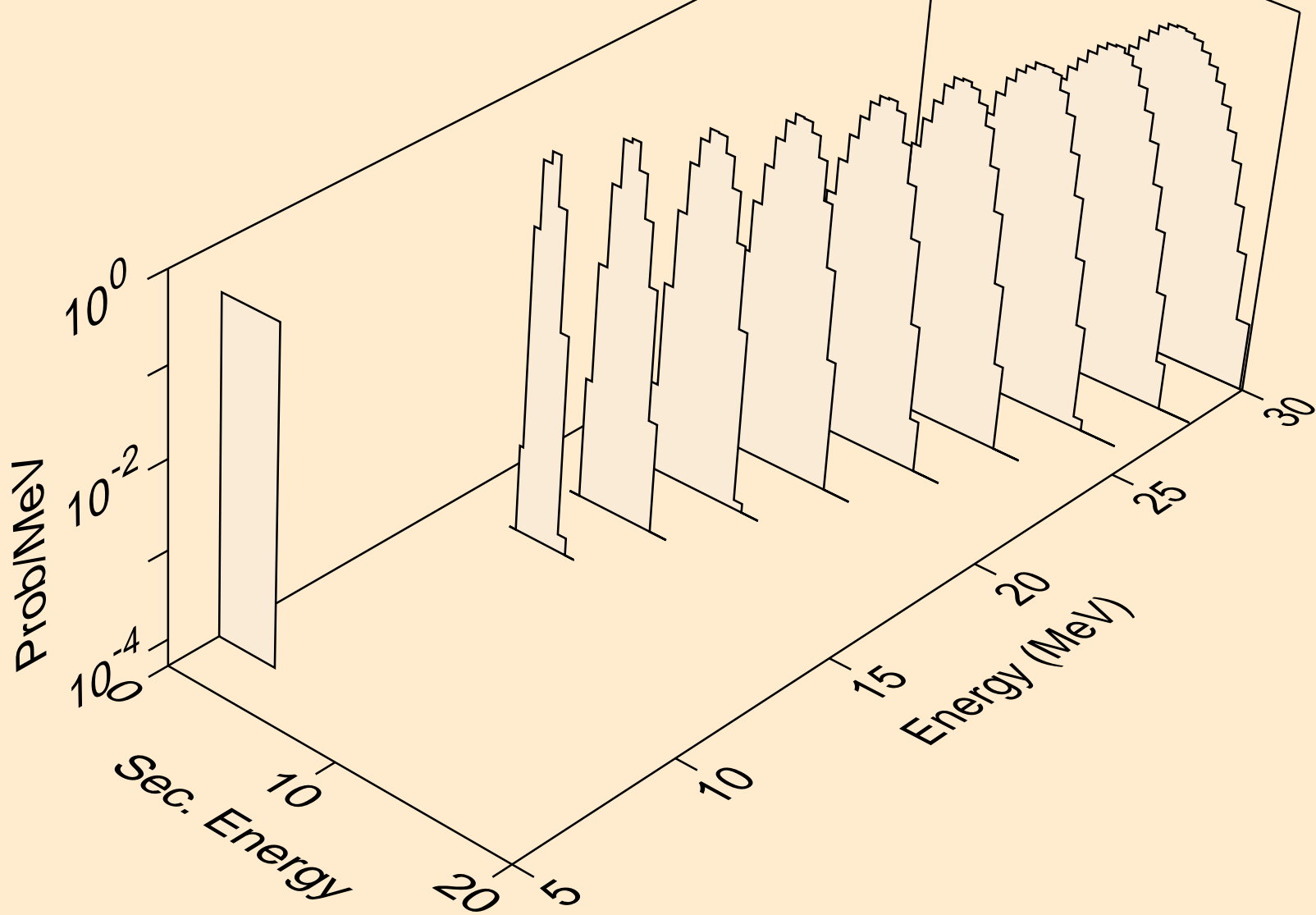
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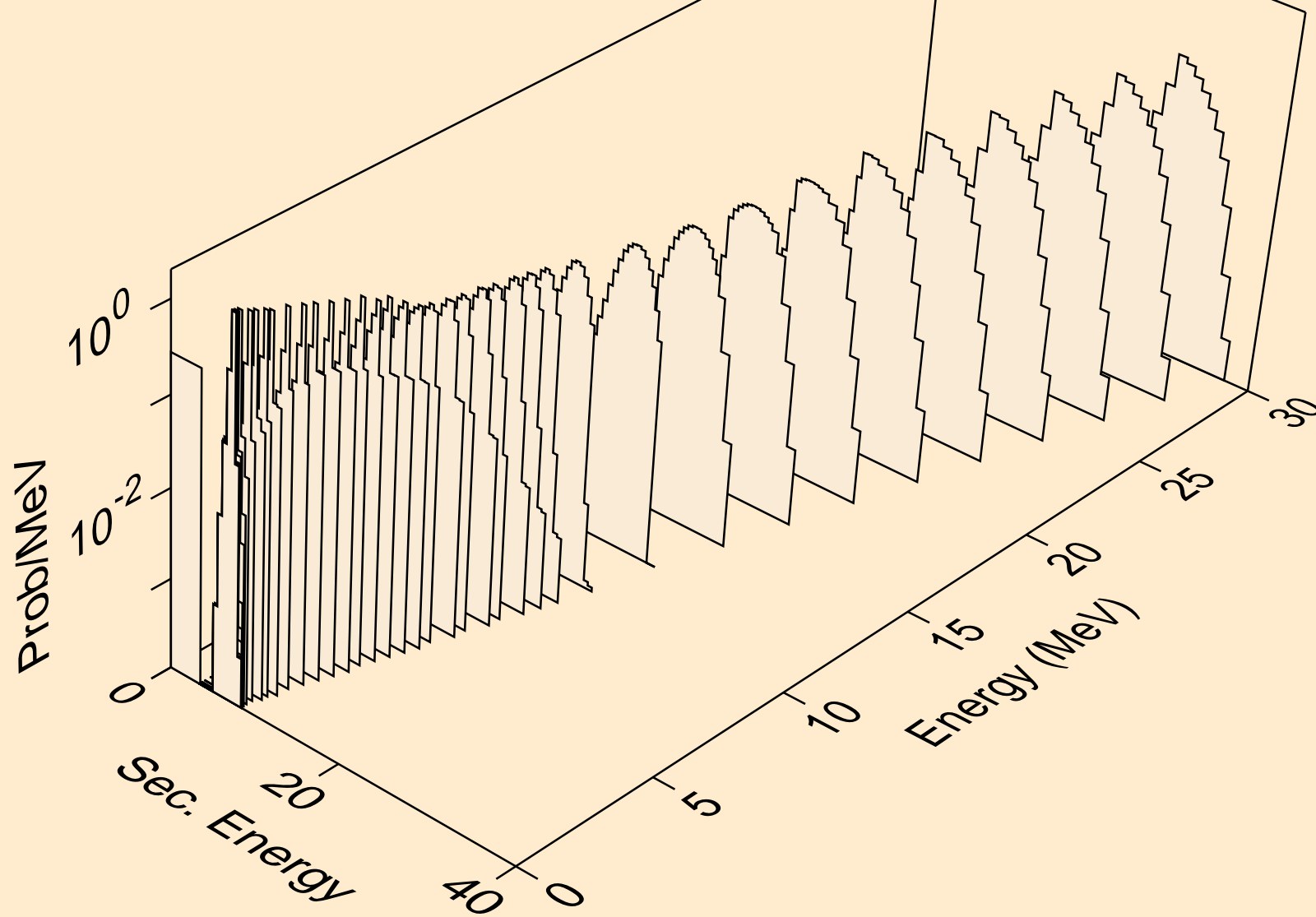
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alphas from (n,n\*)2a



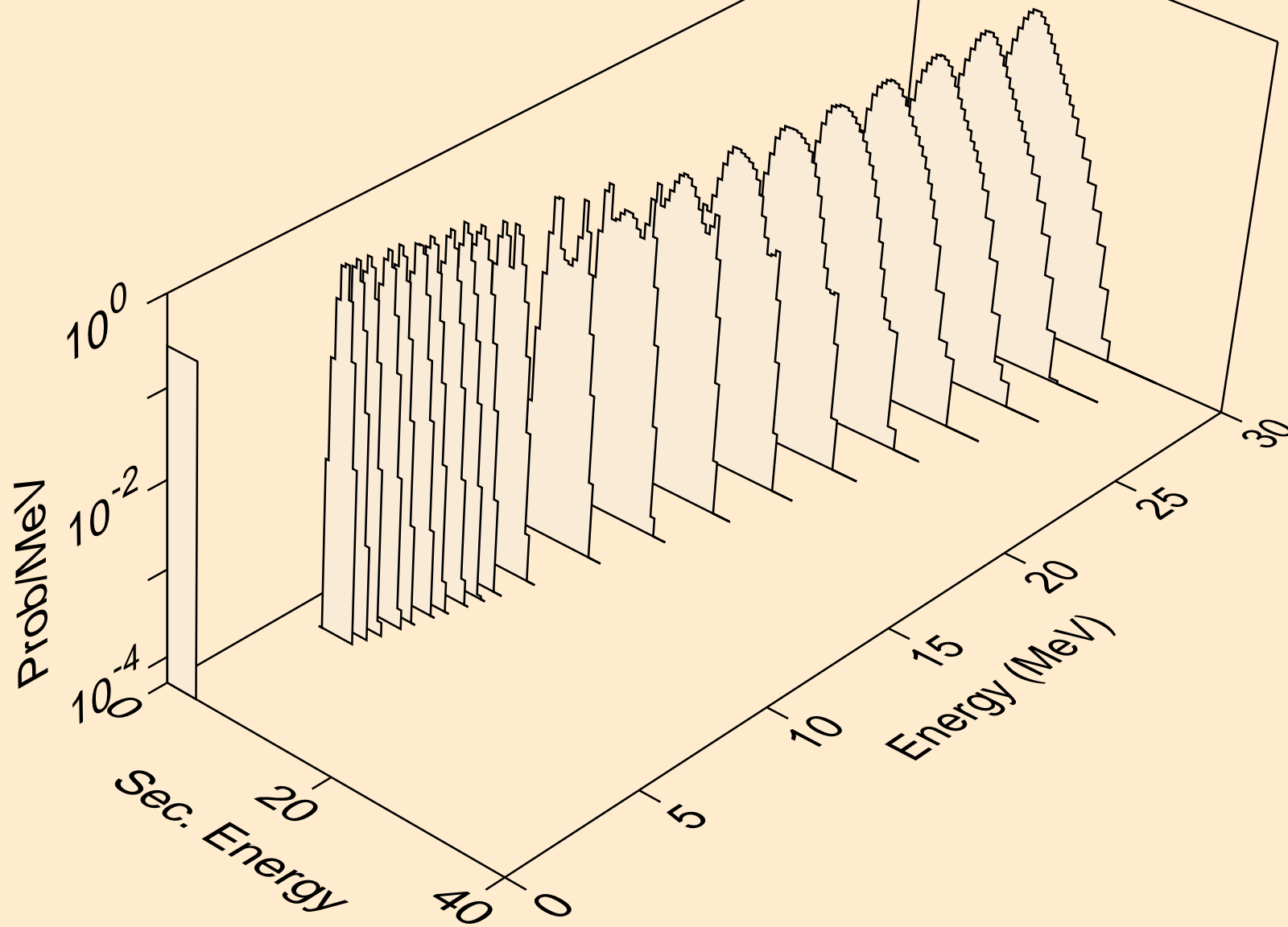
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alphas from (n,npa)



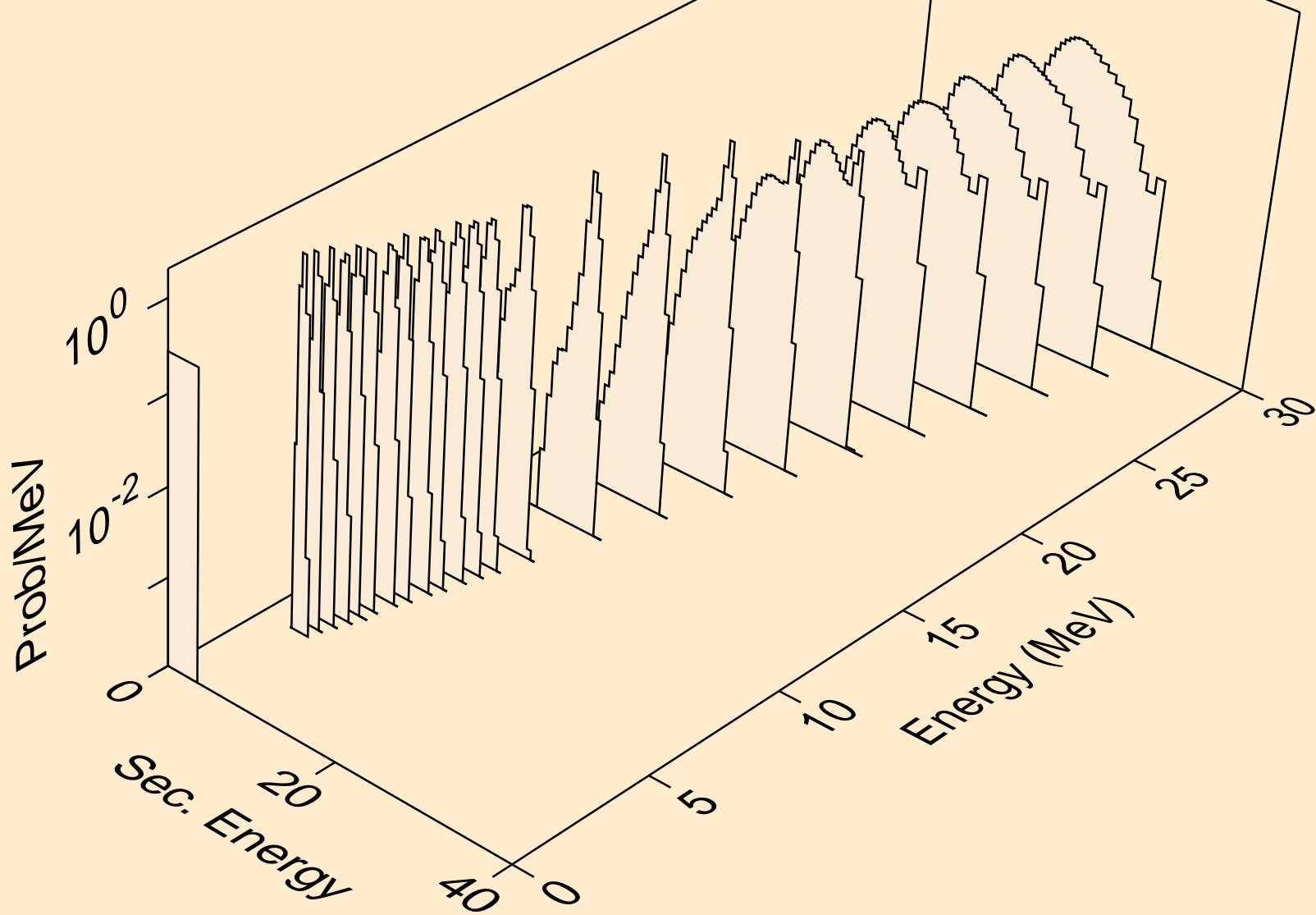
CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



CS128 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

