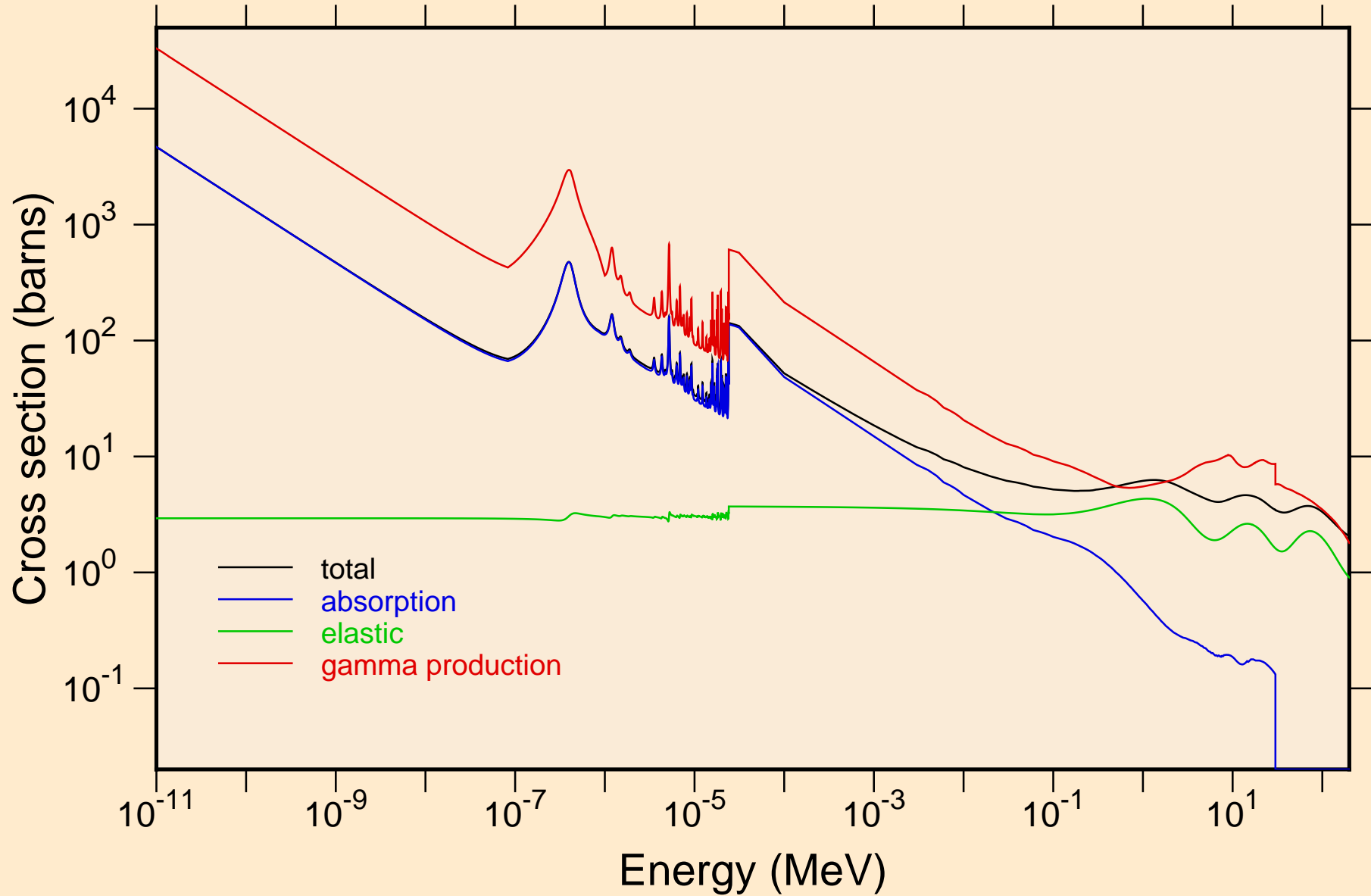
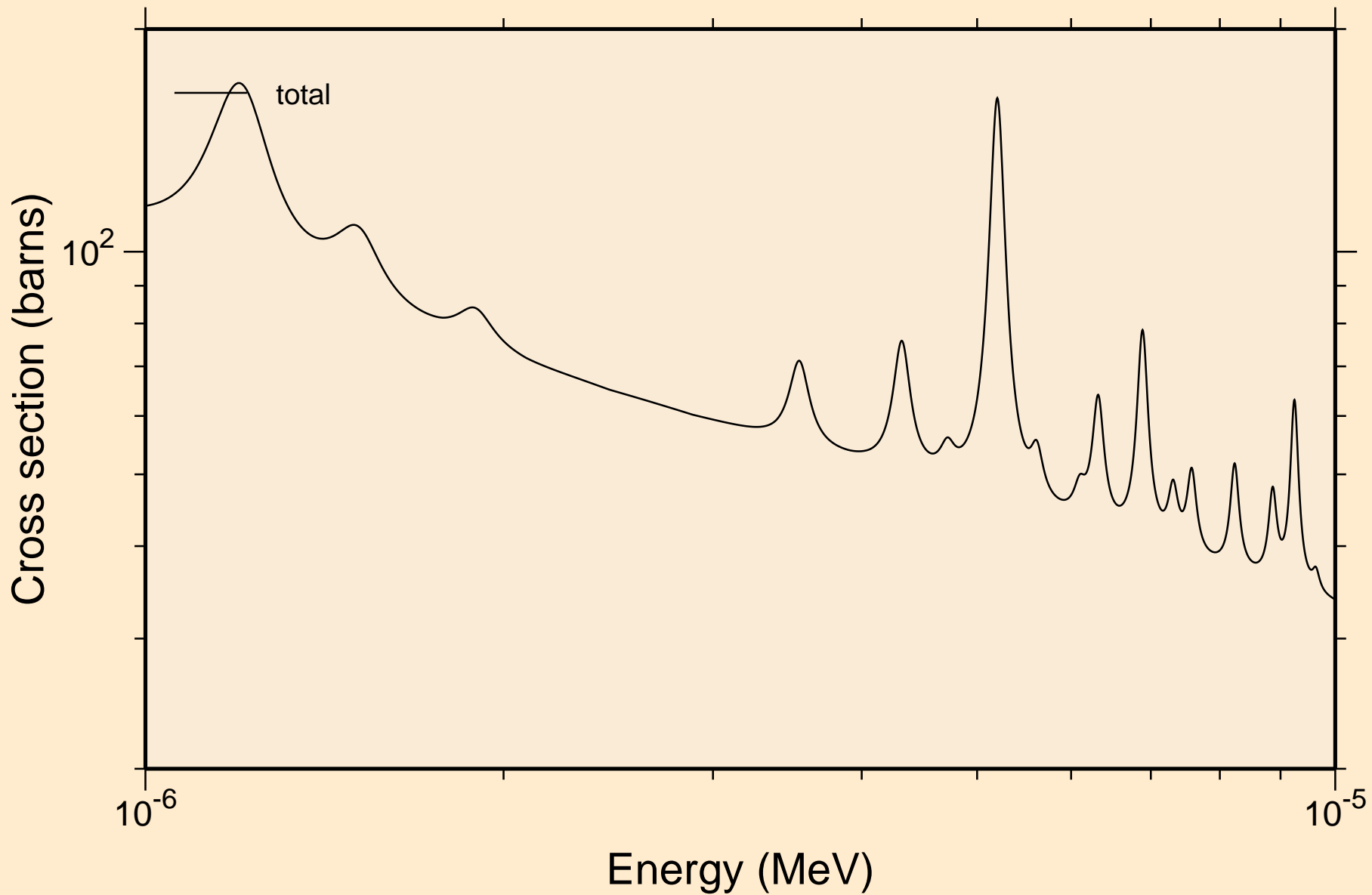


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

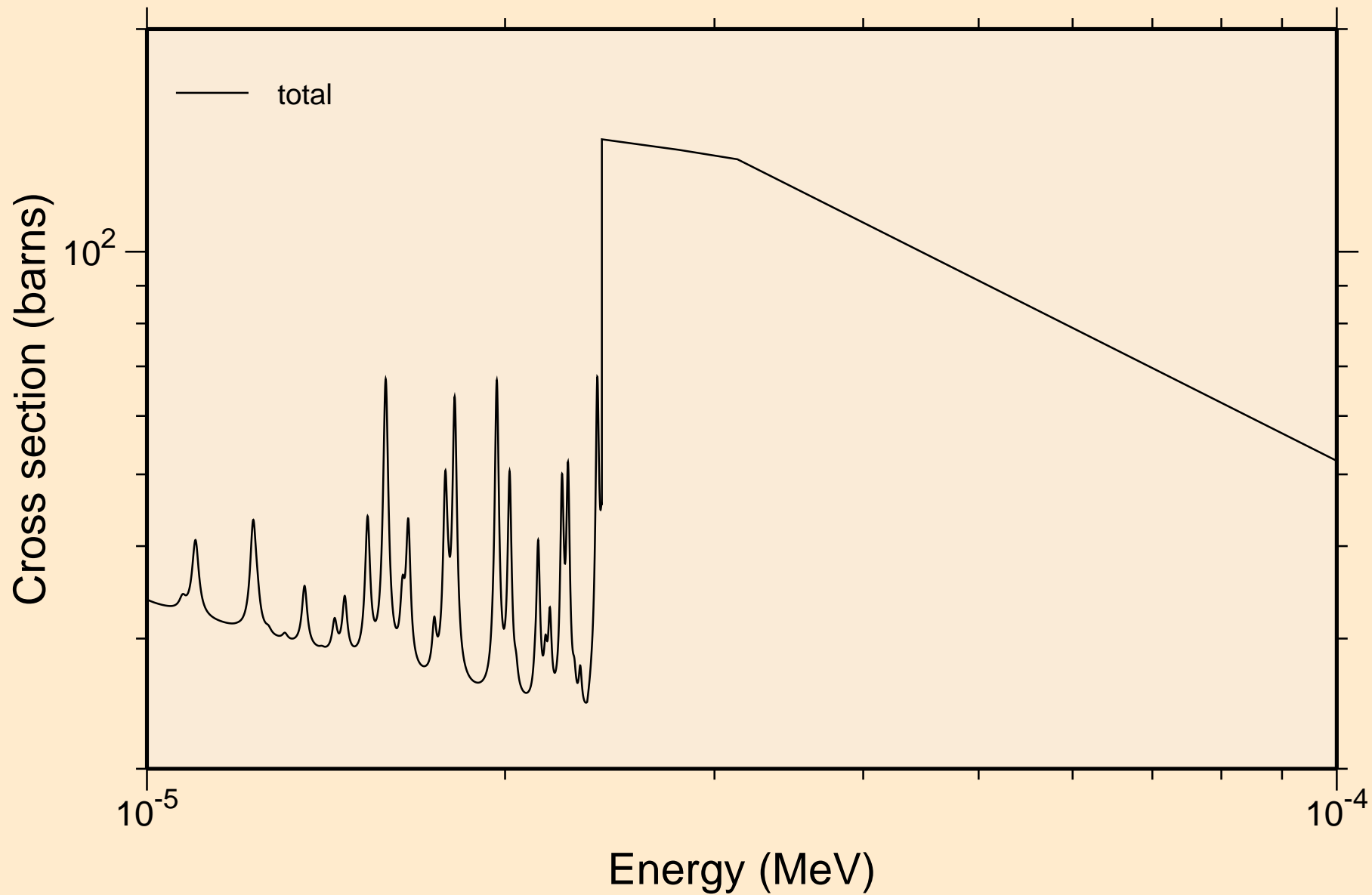
## Principal cross sections



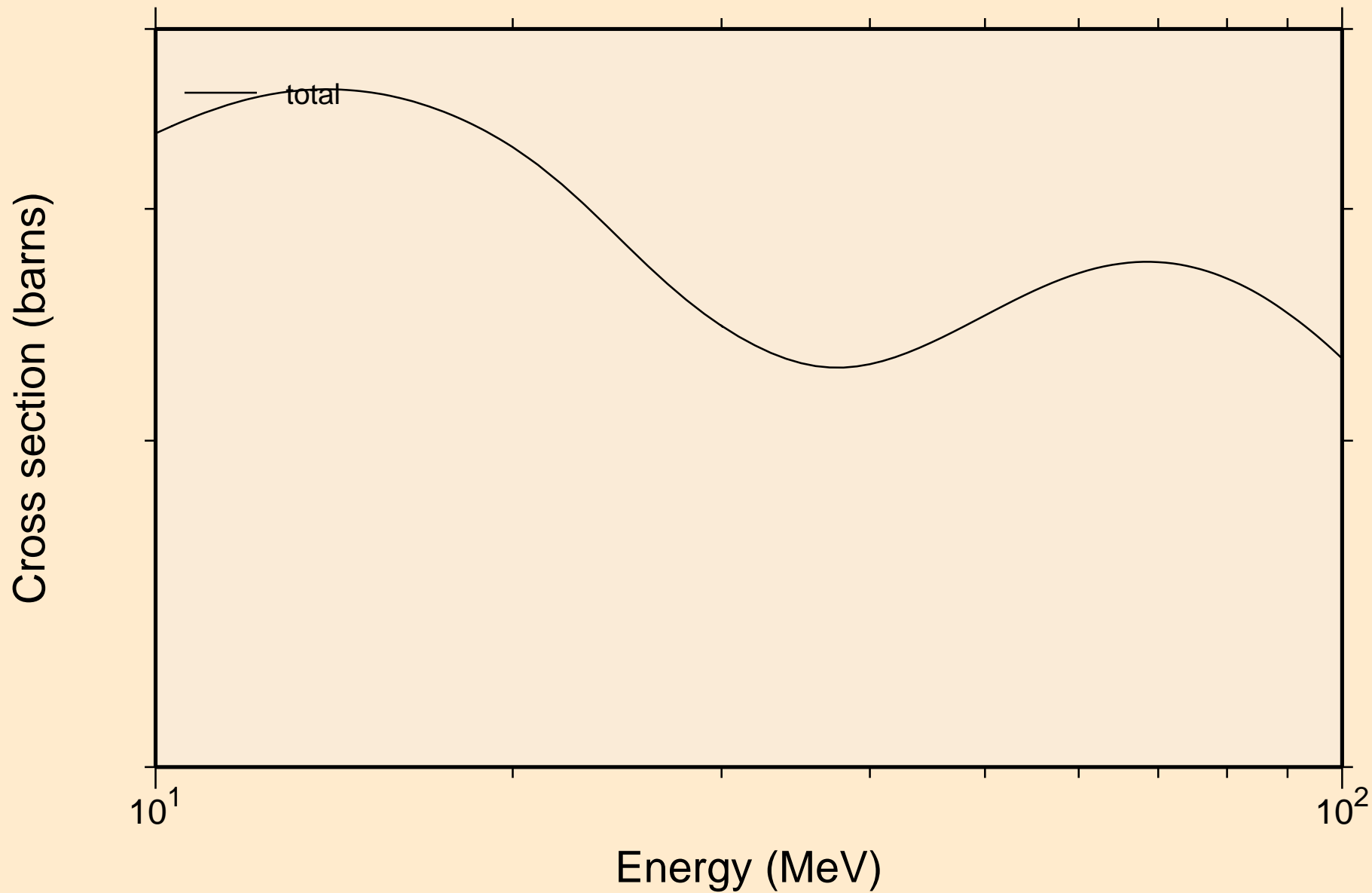
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



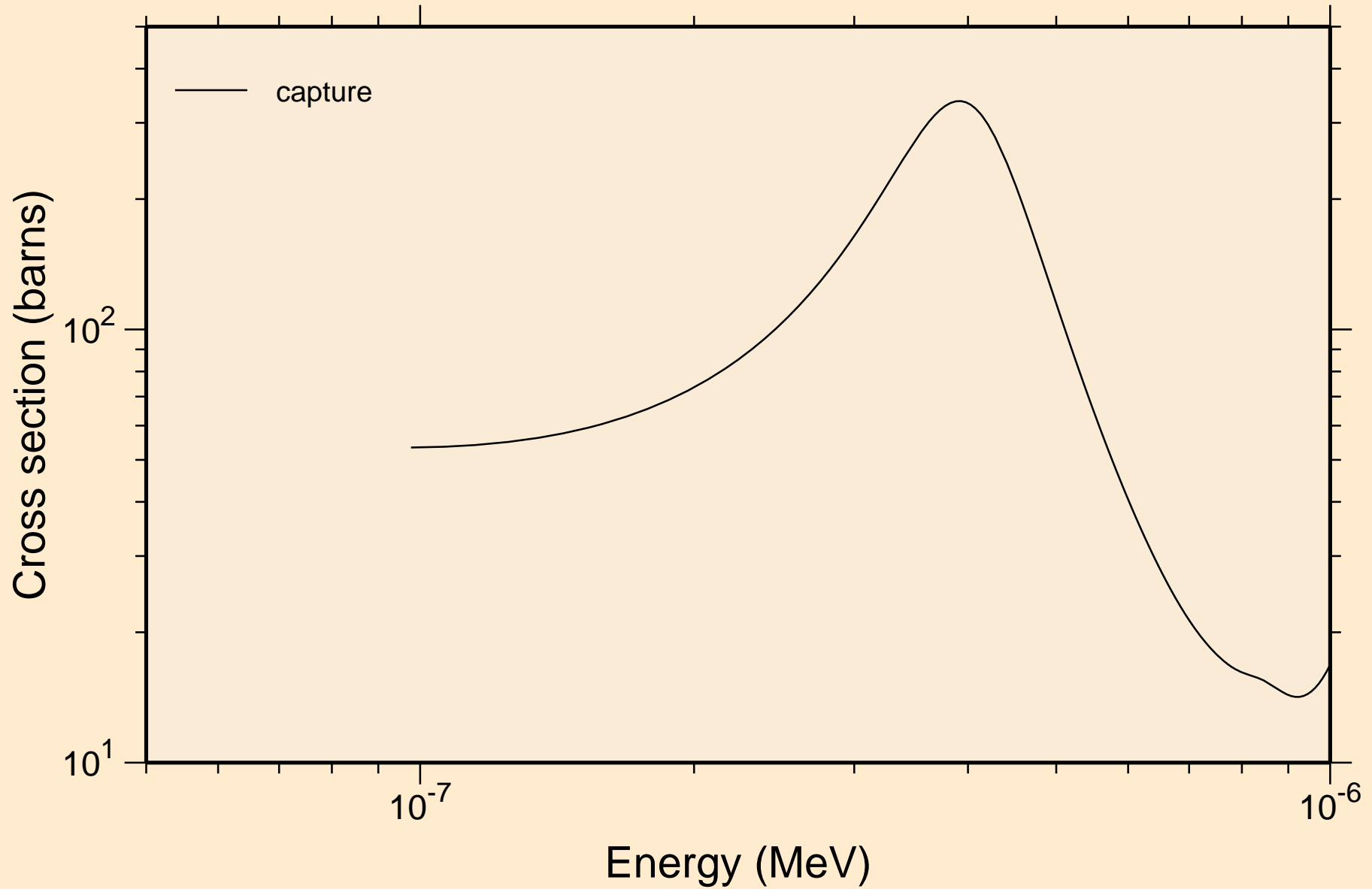
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



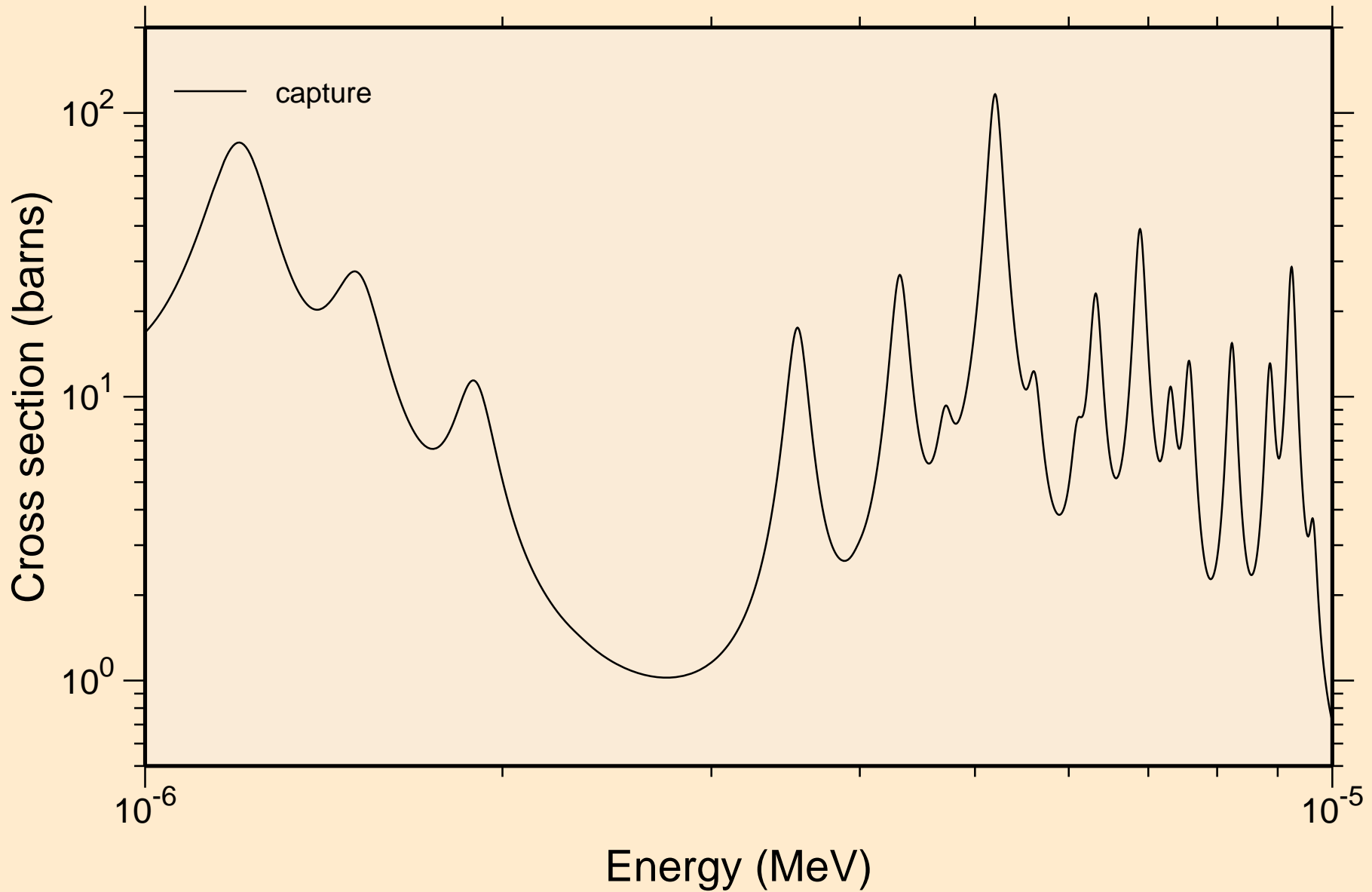
C<sup>124</sup> NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



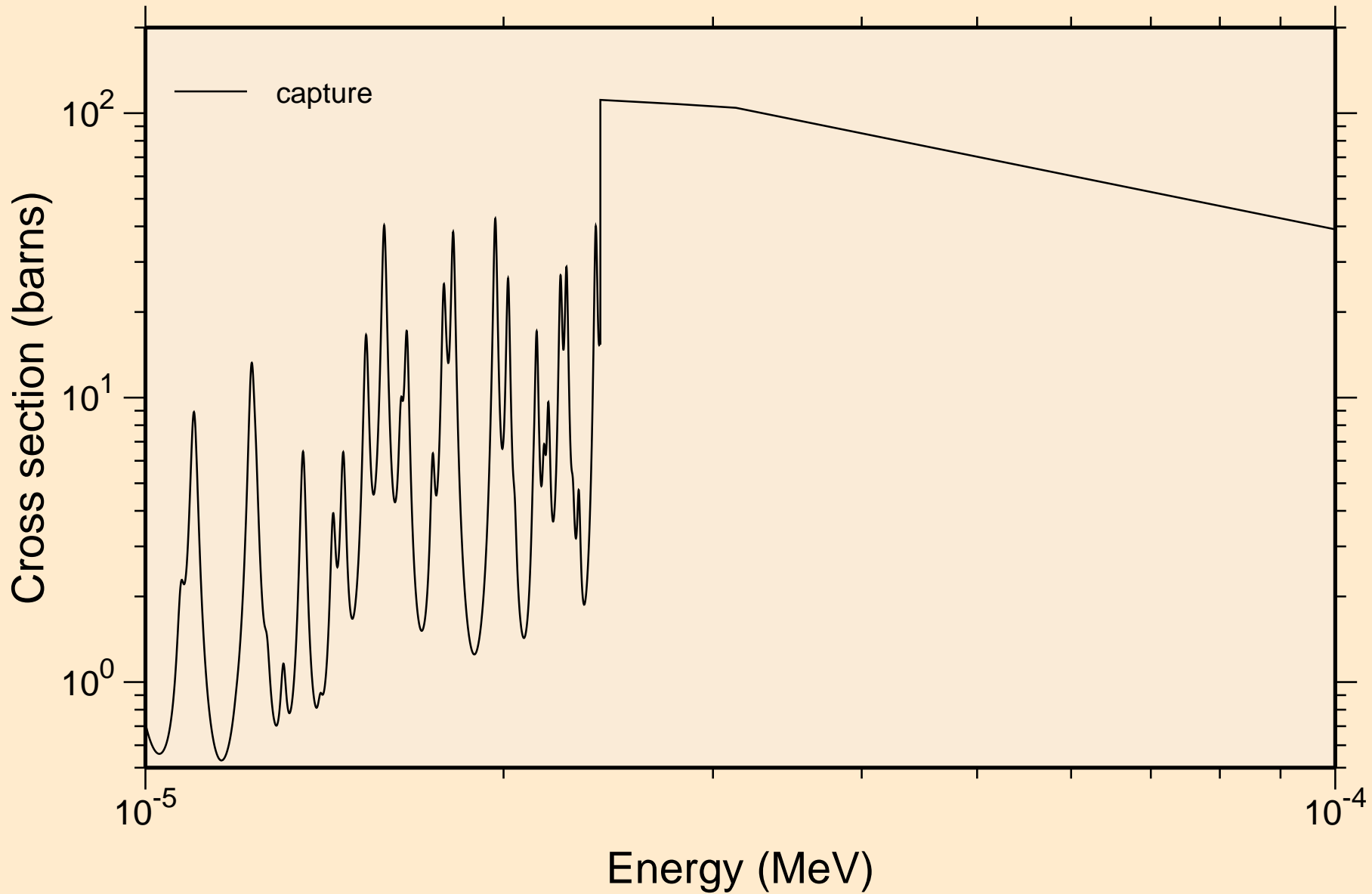
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



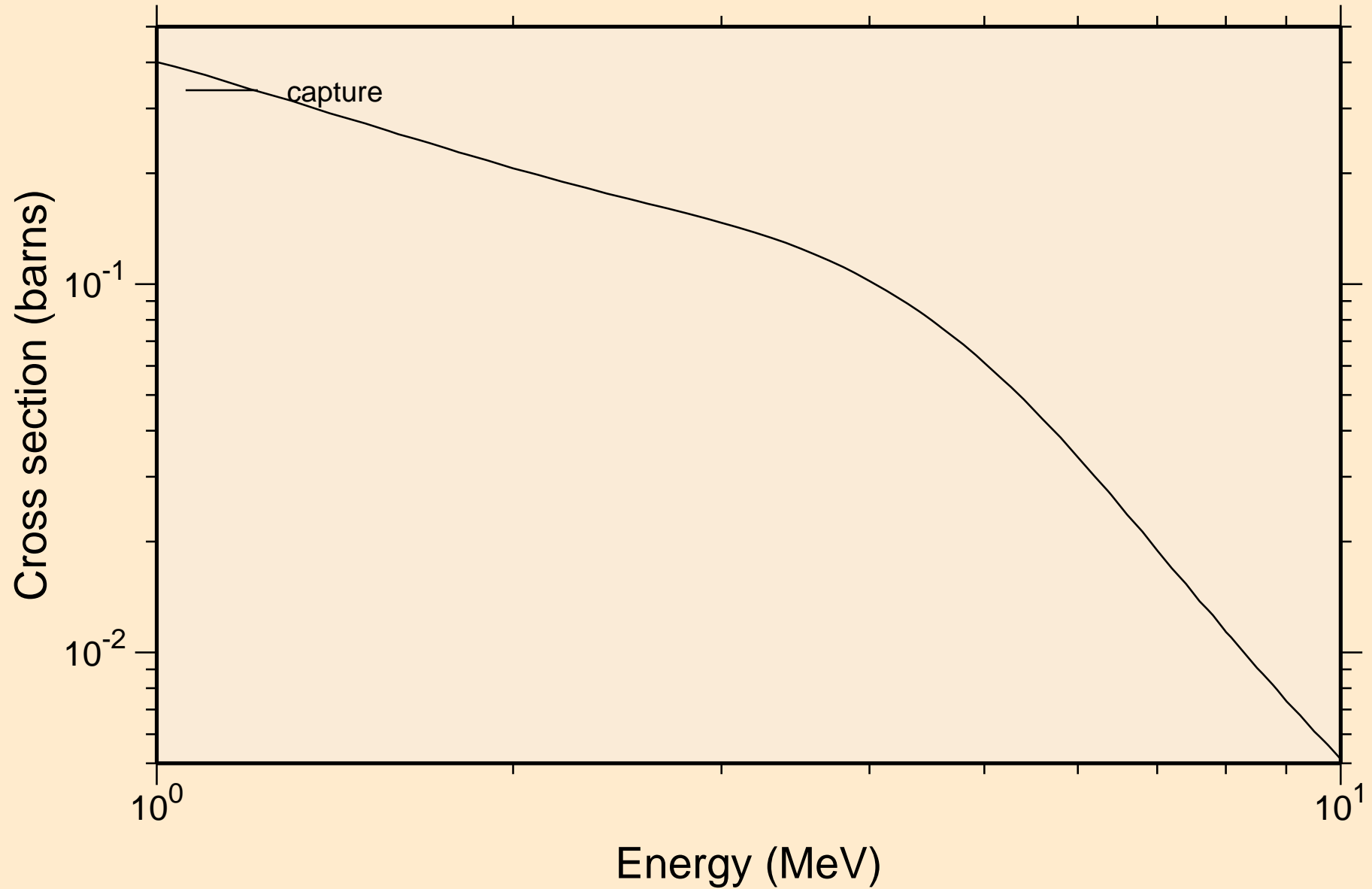
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

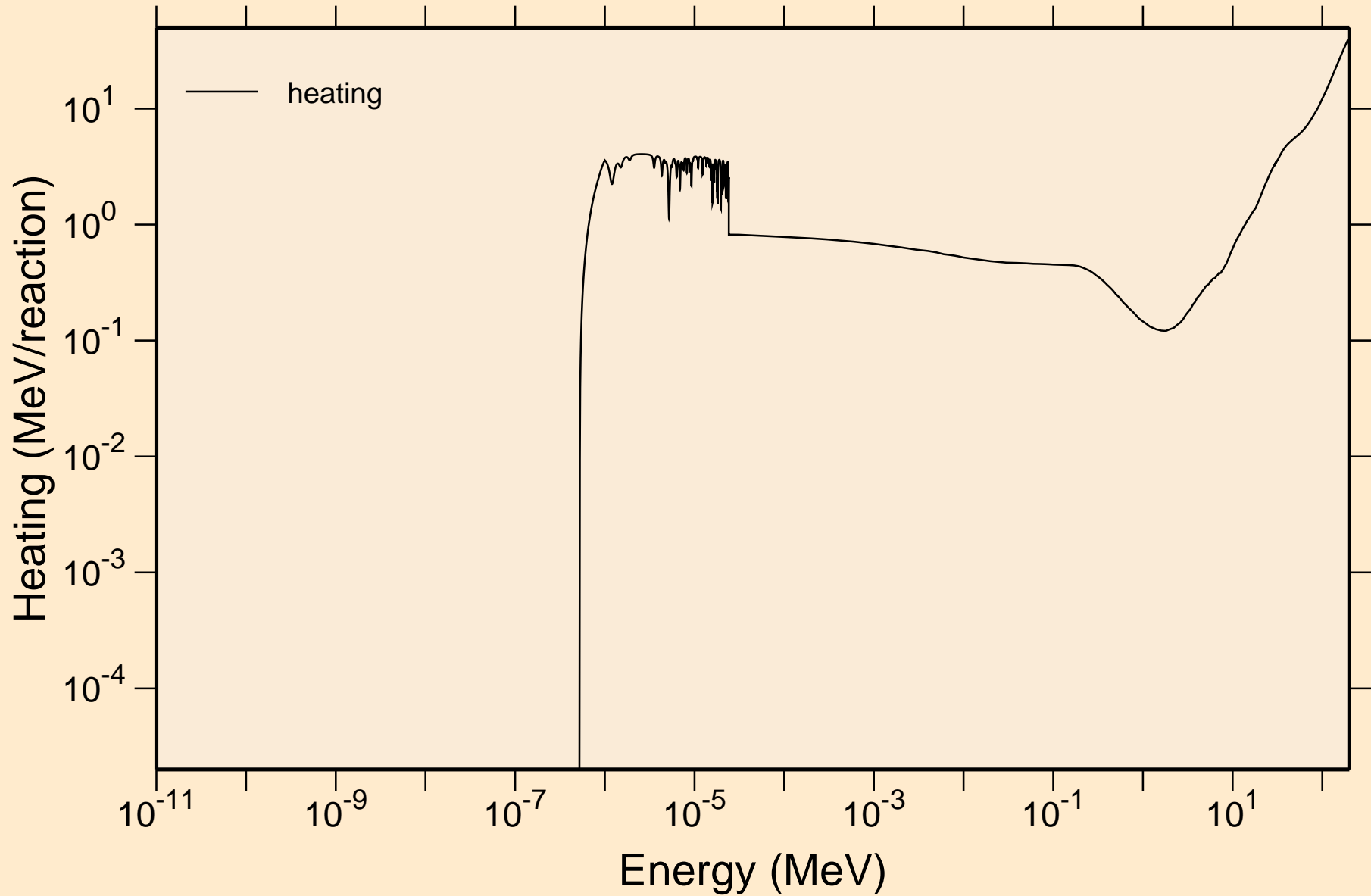


CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

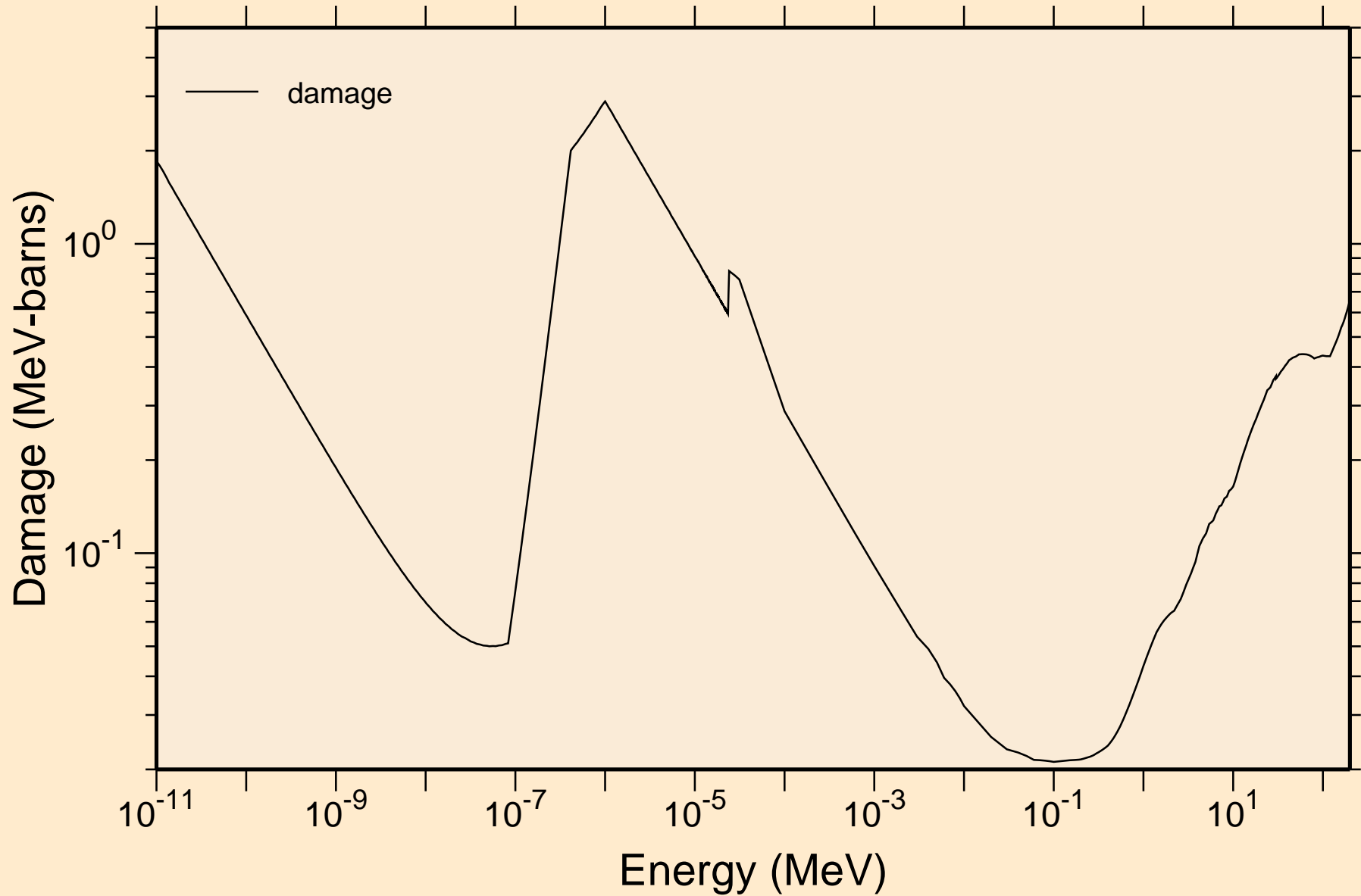


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

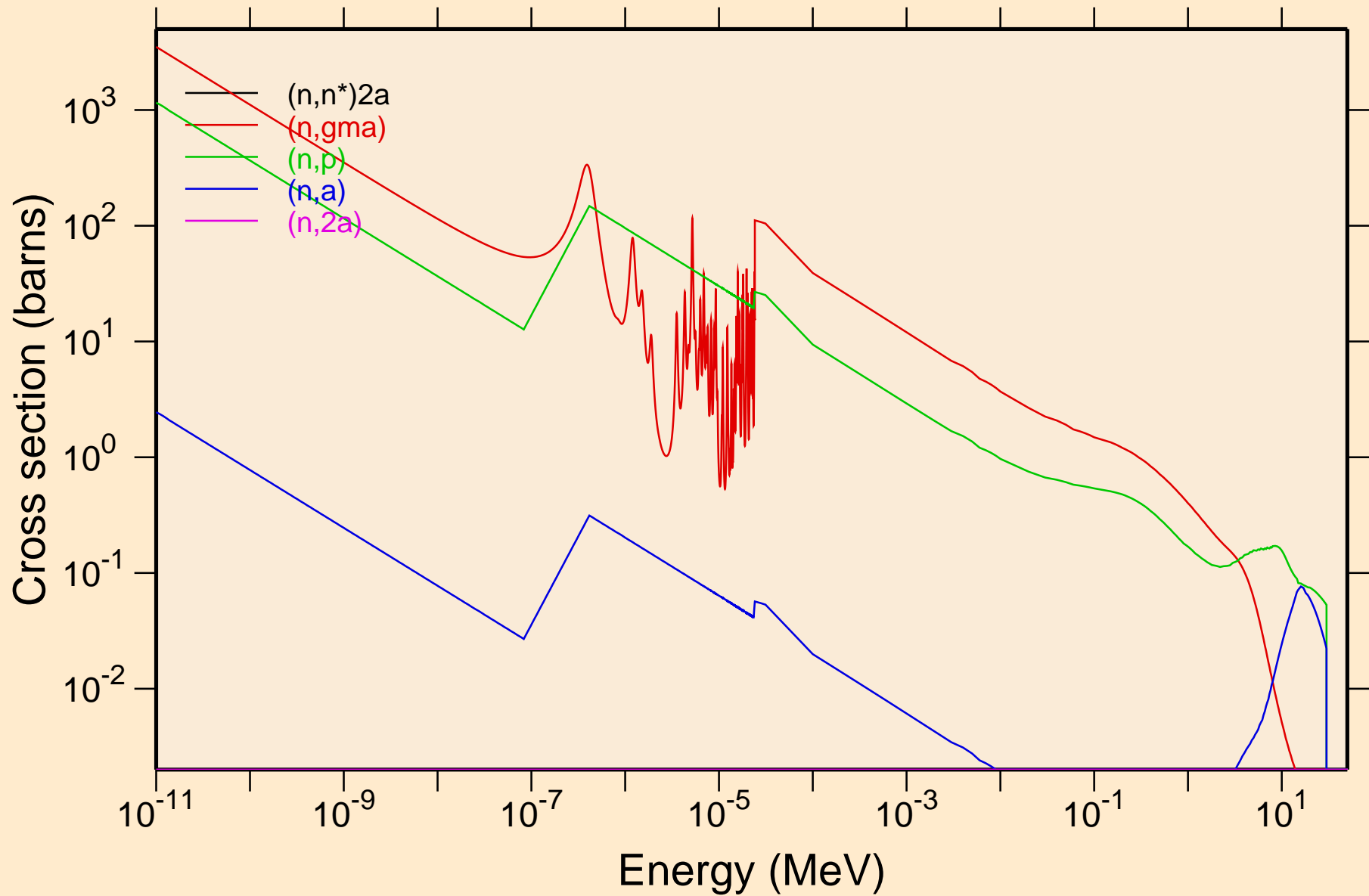


CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



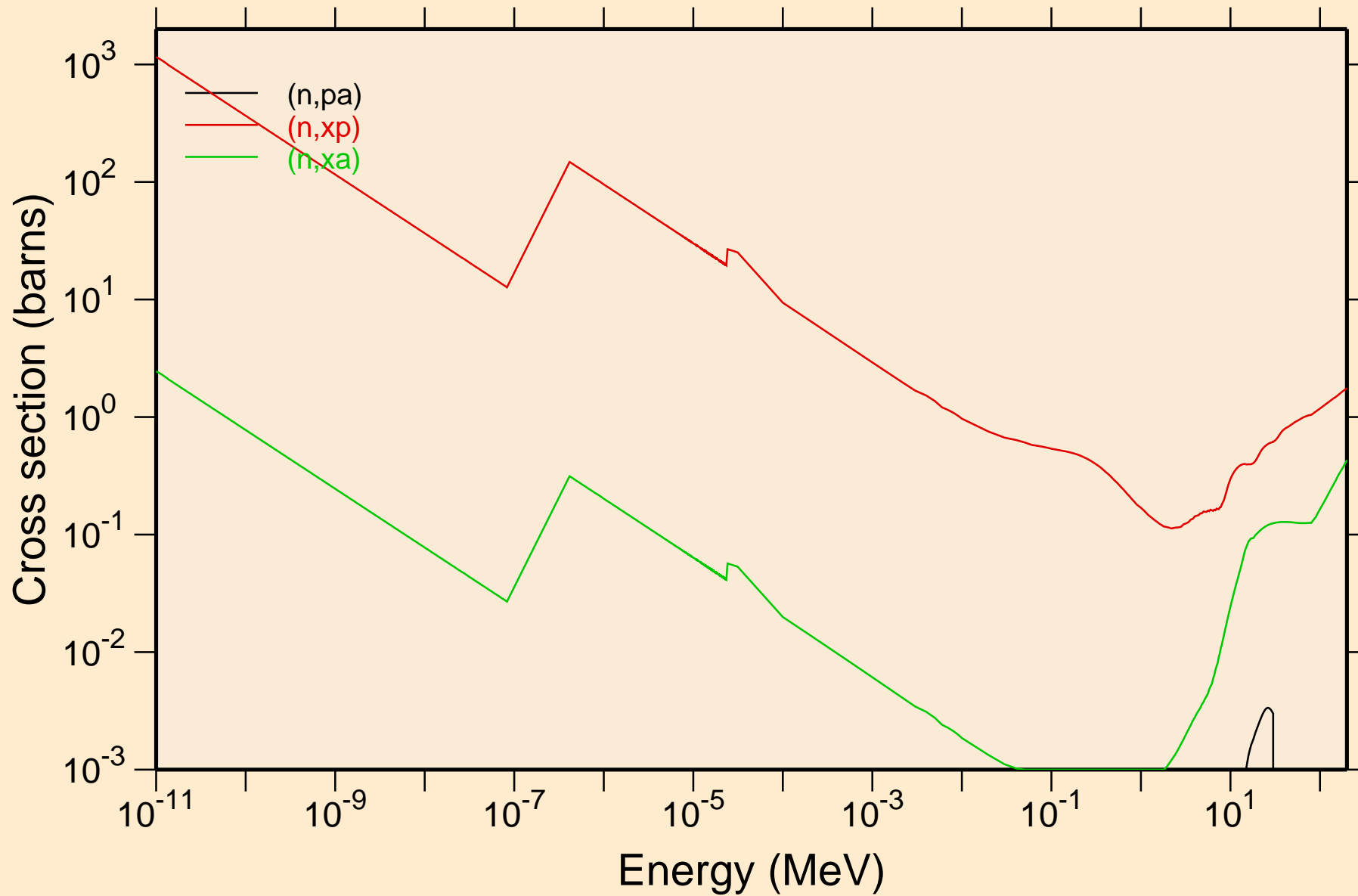
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



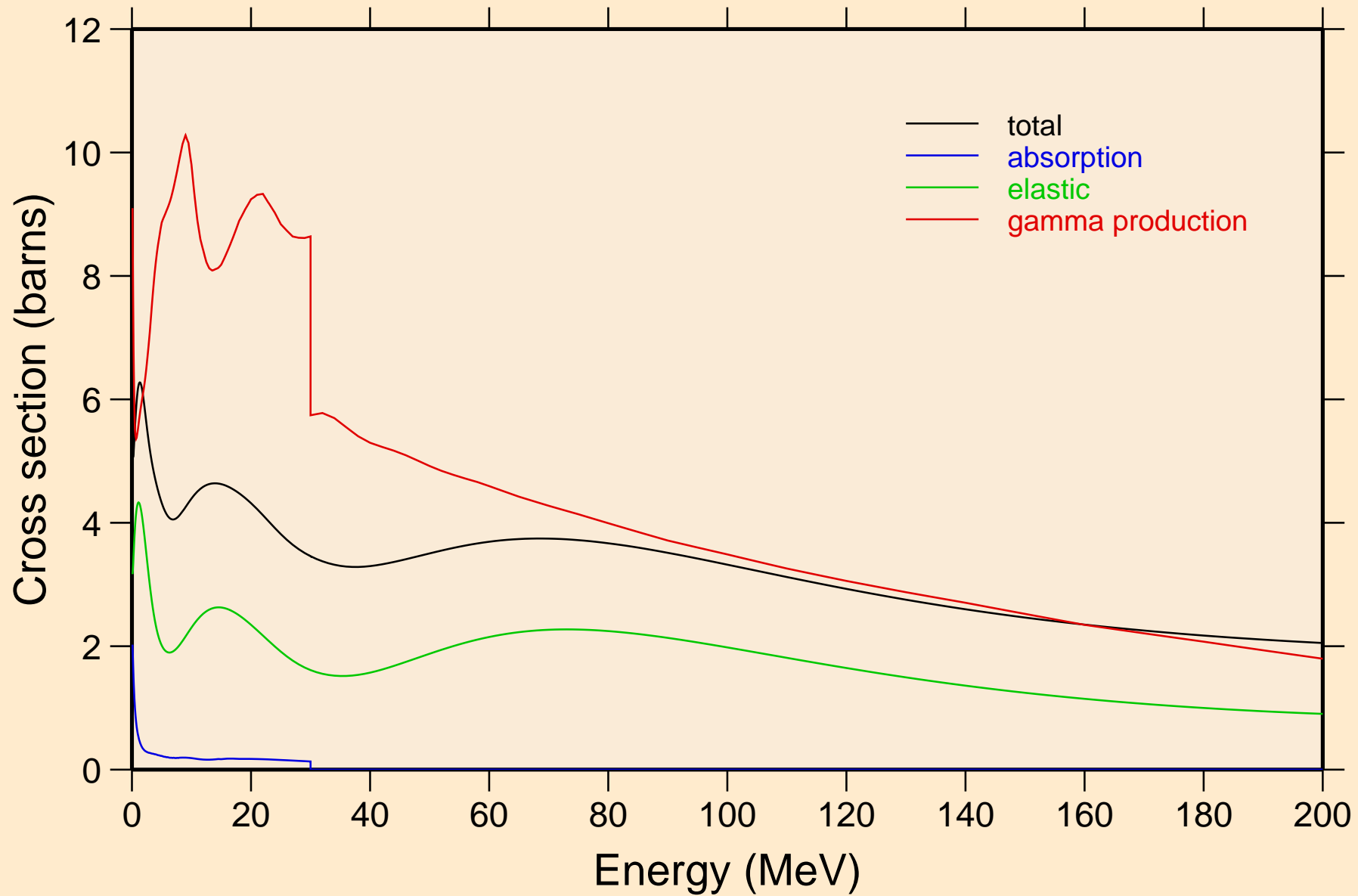
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



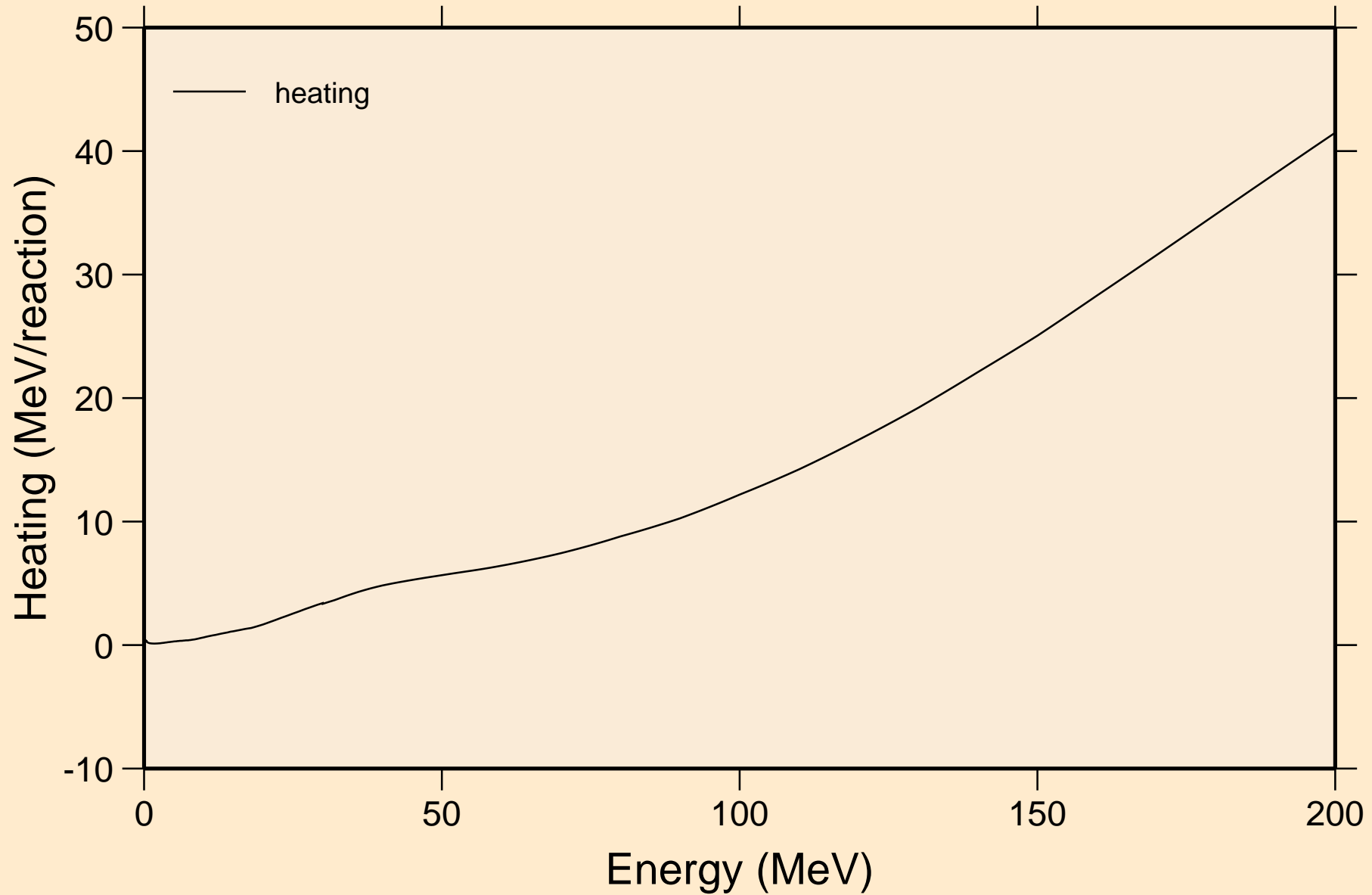
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



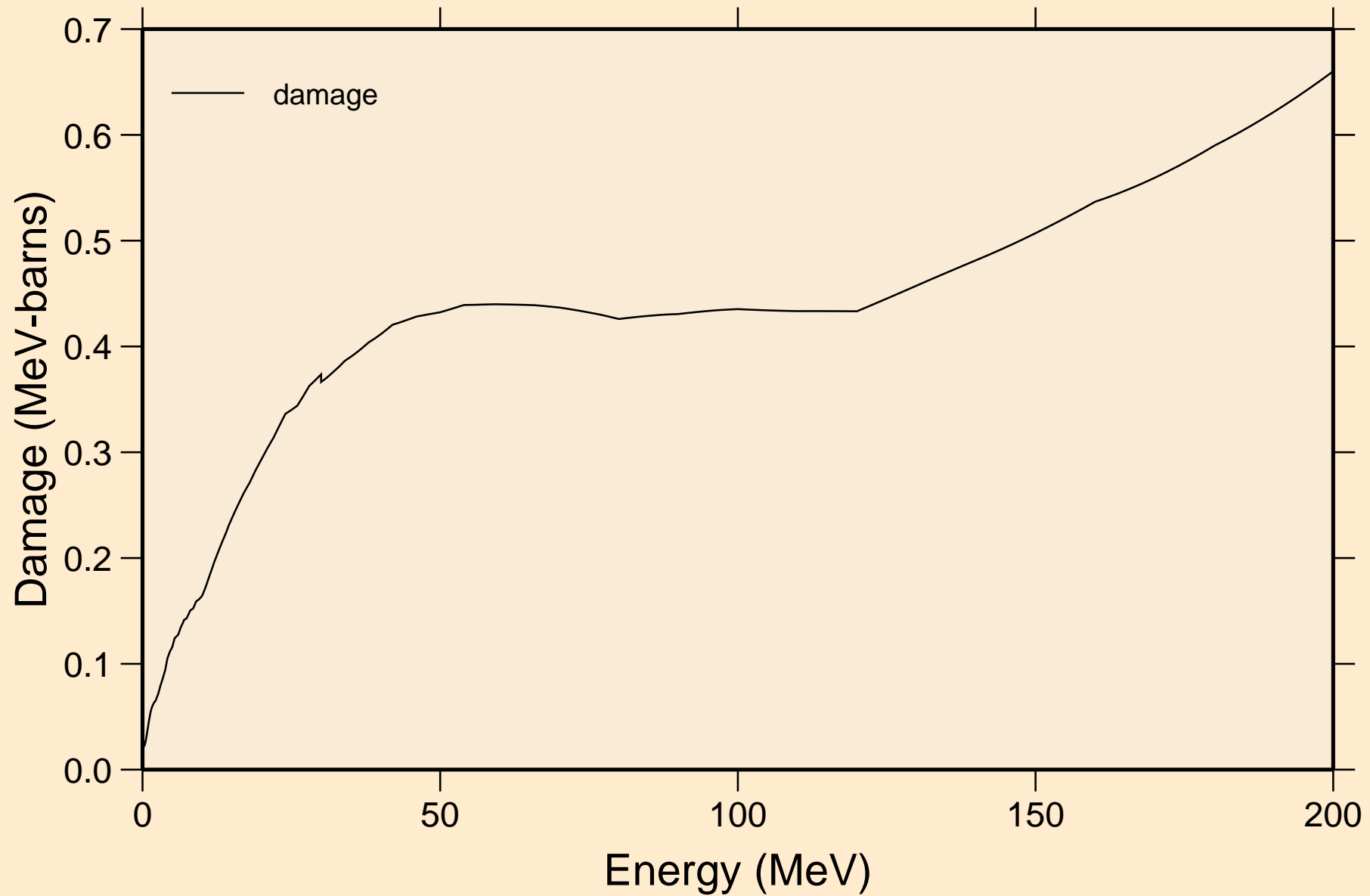
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

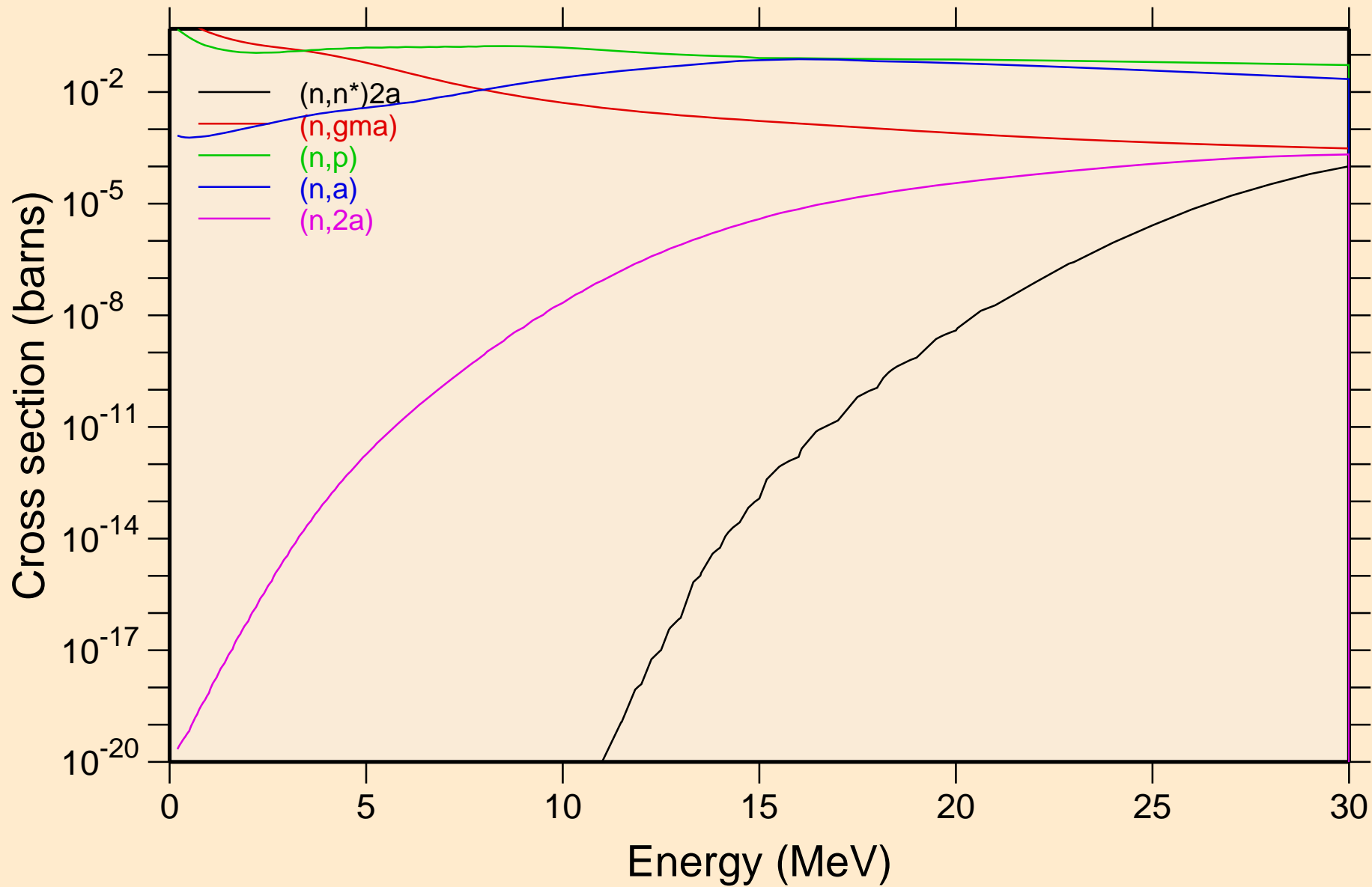


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

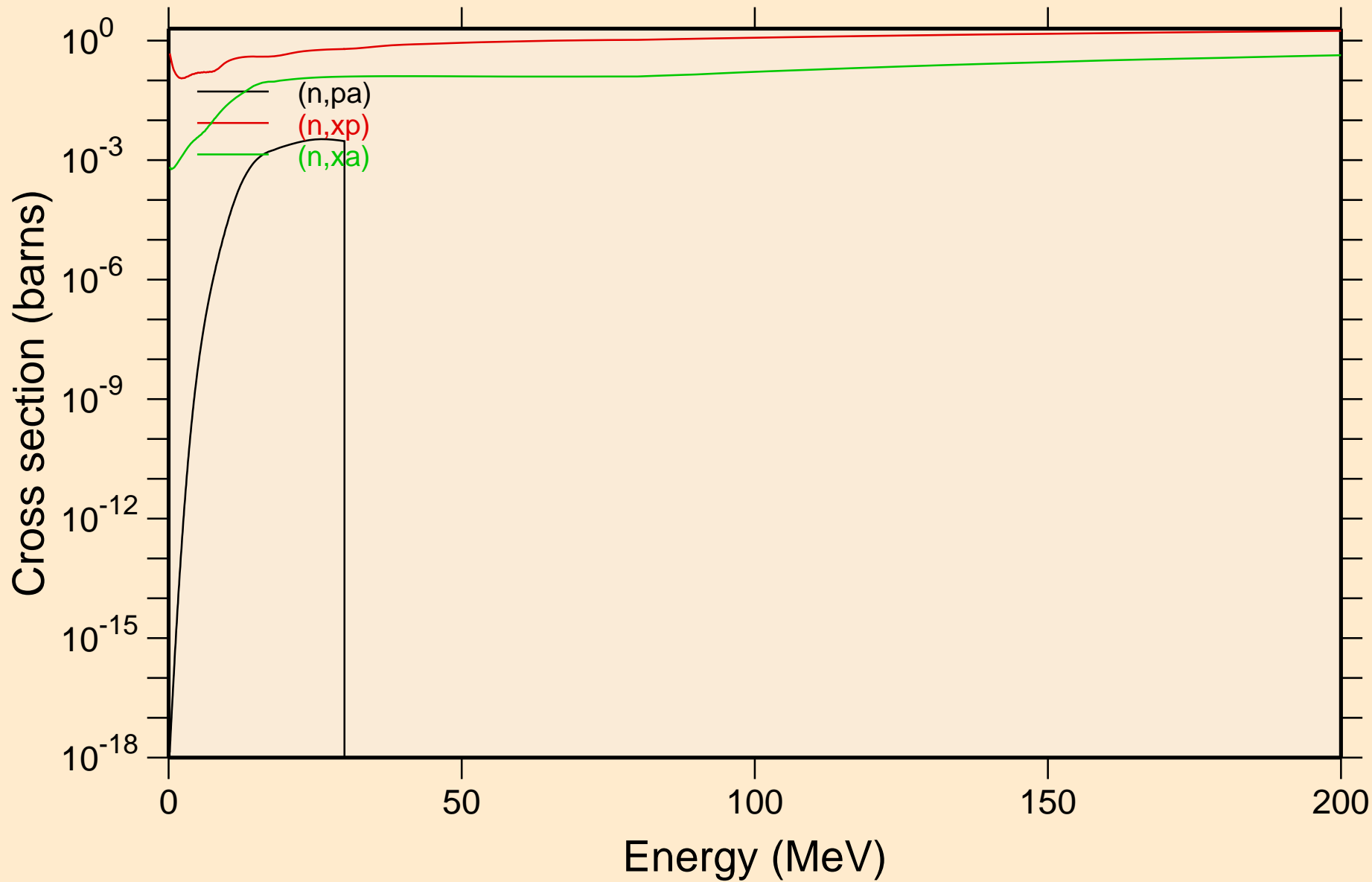


CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

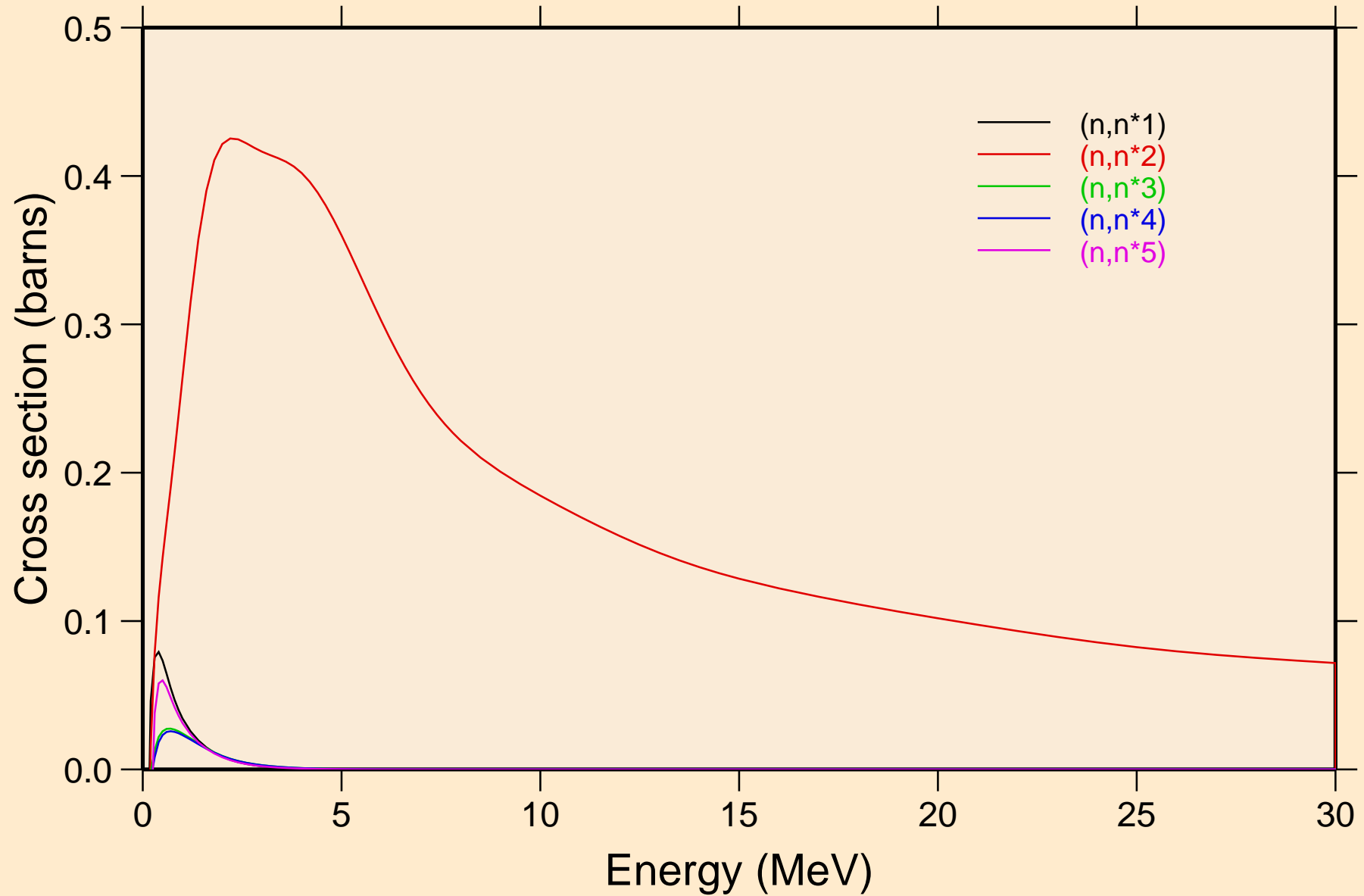


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

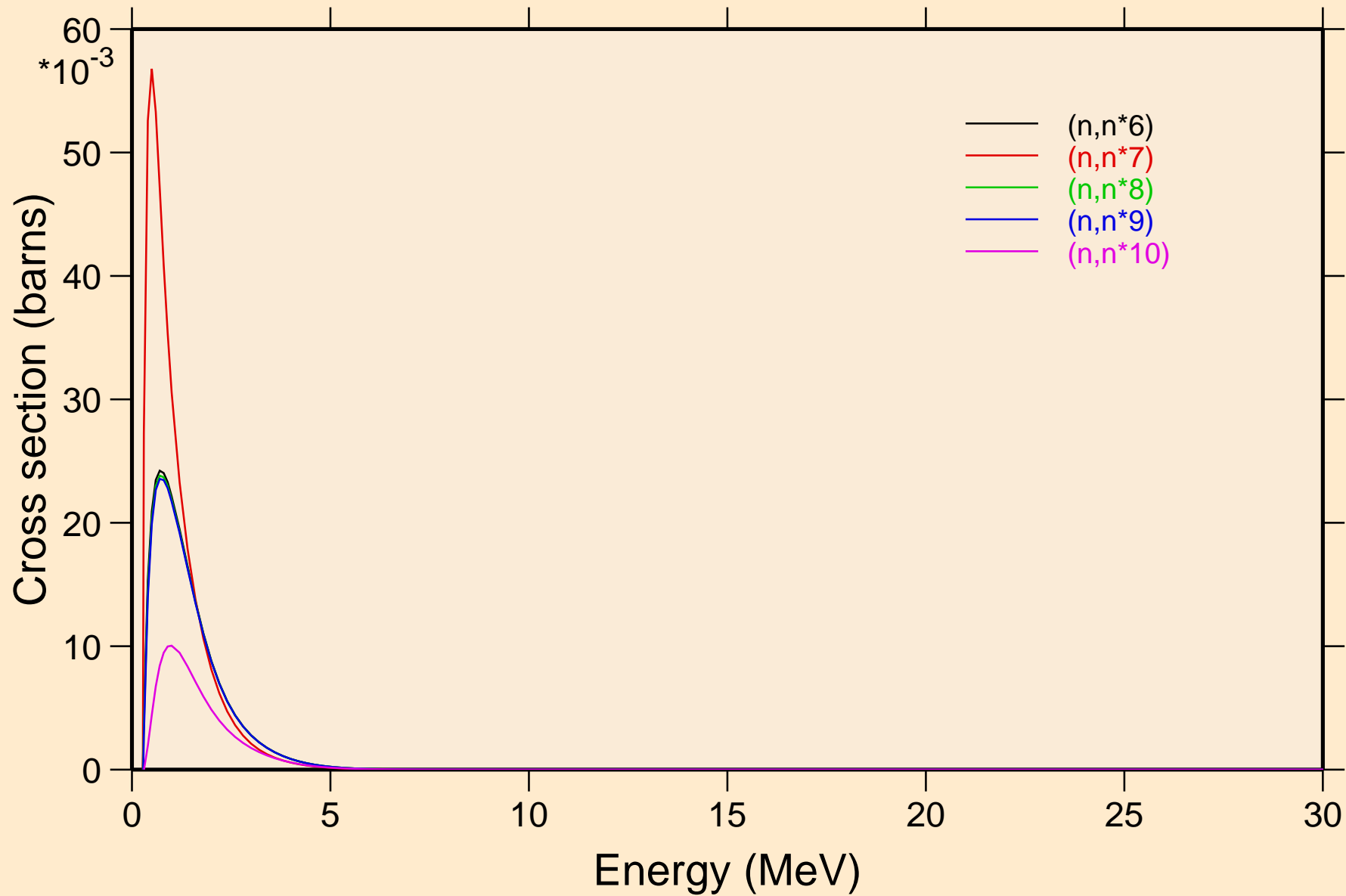
## Non-threshold reactions



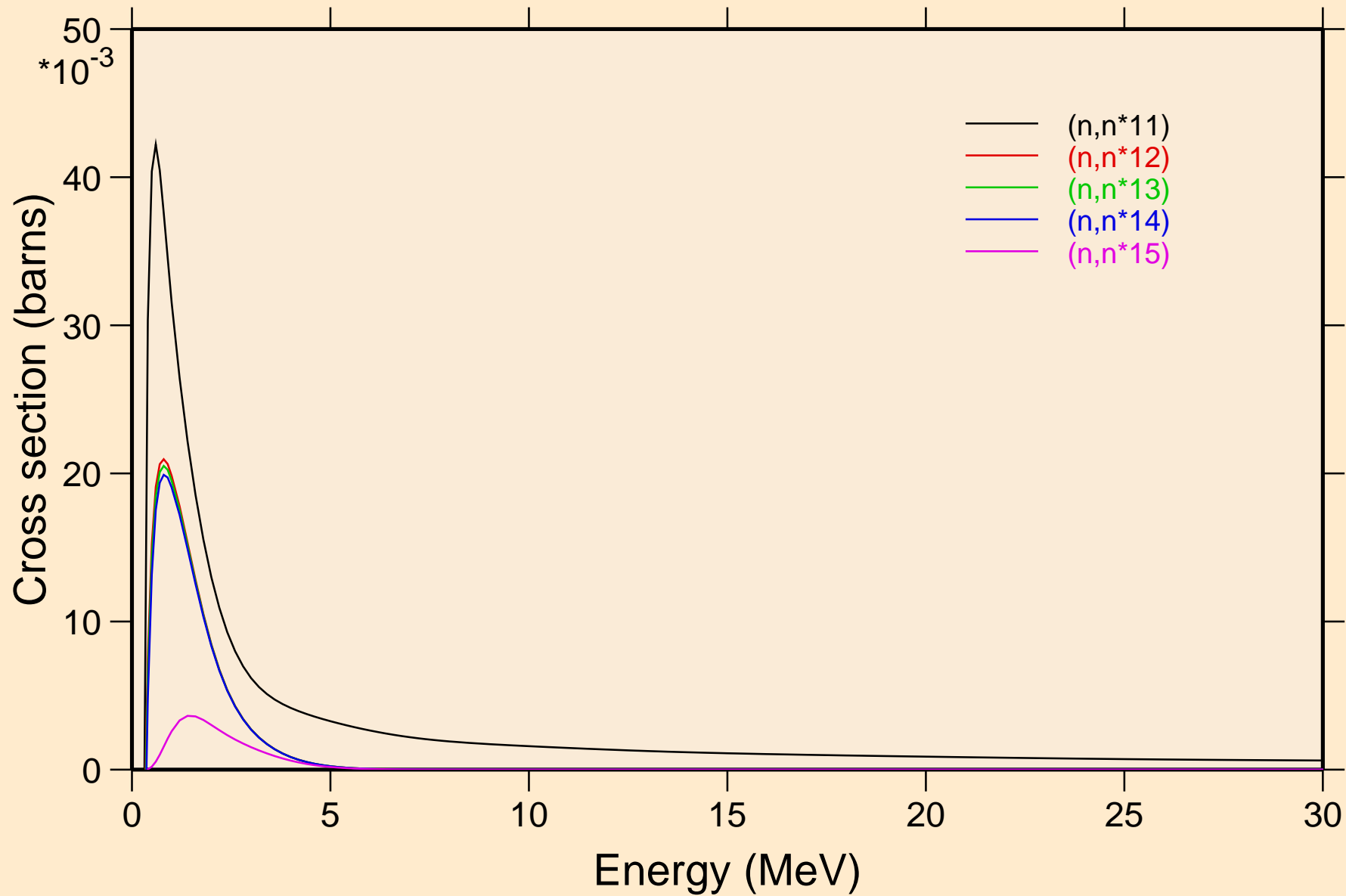
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

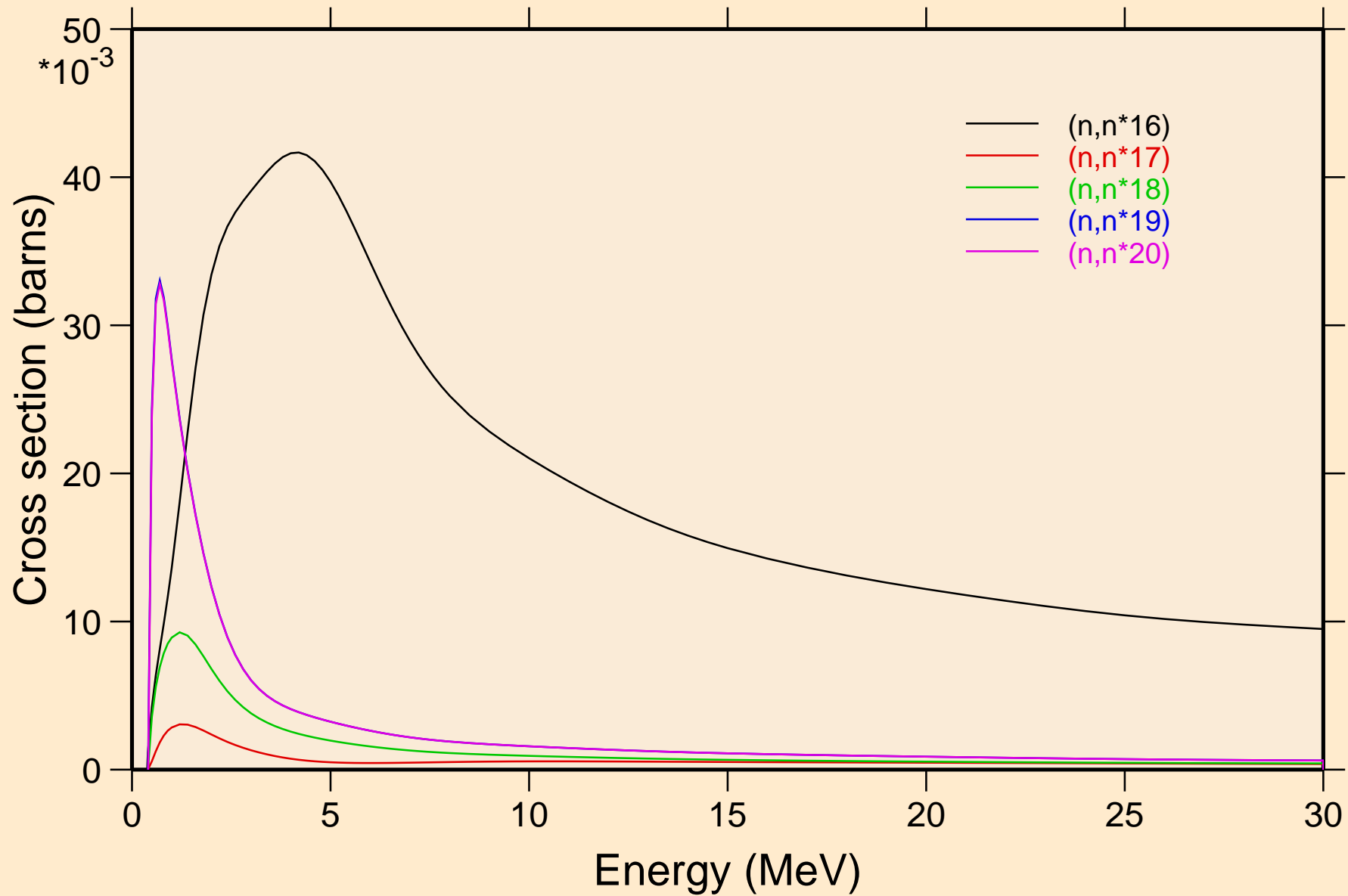


CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



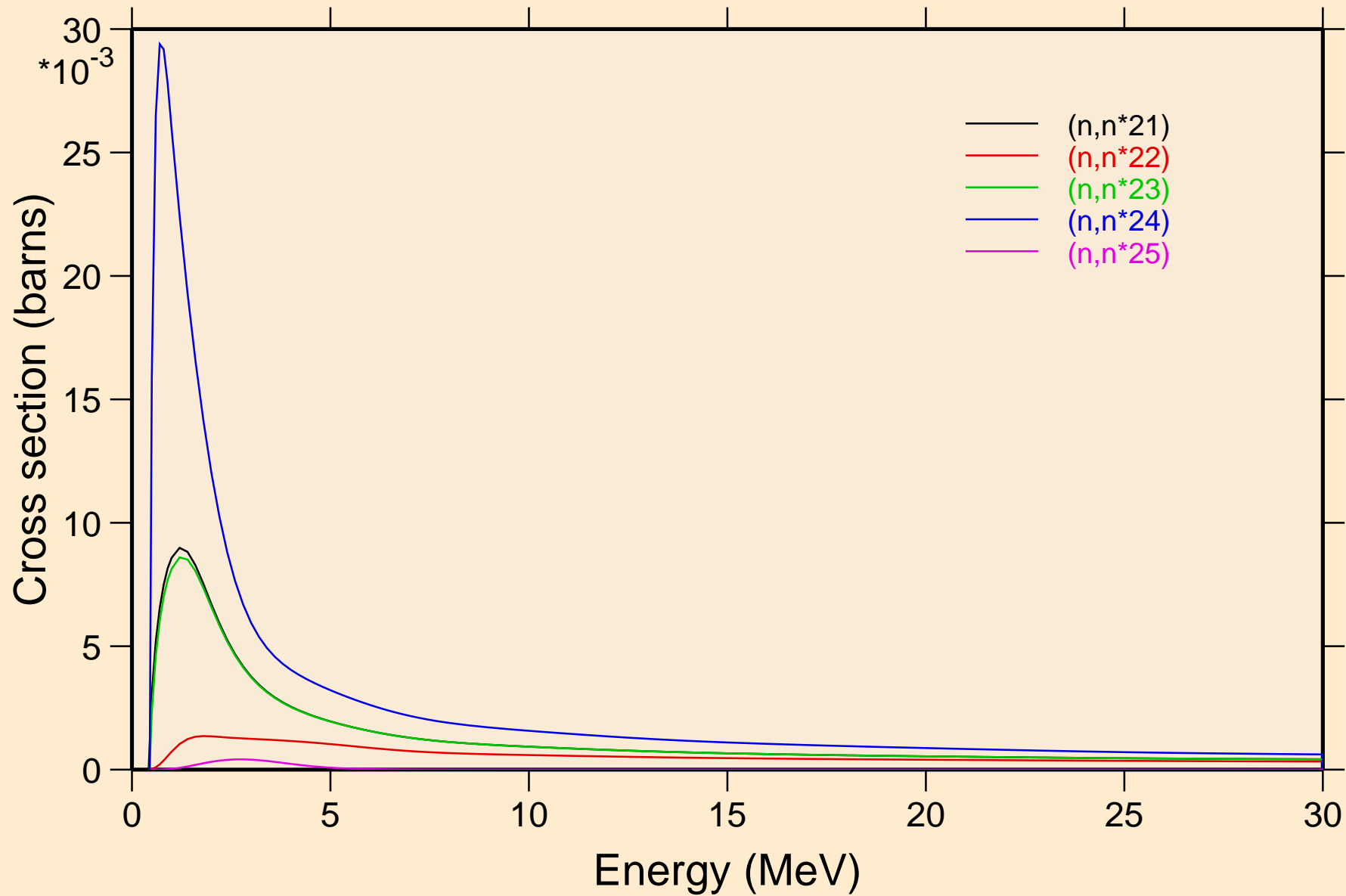
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



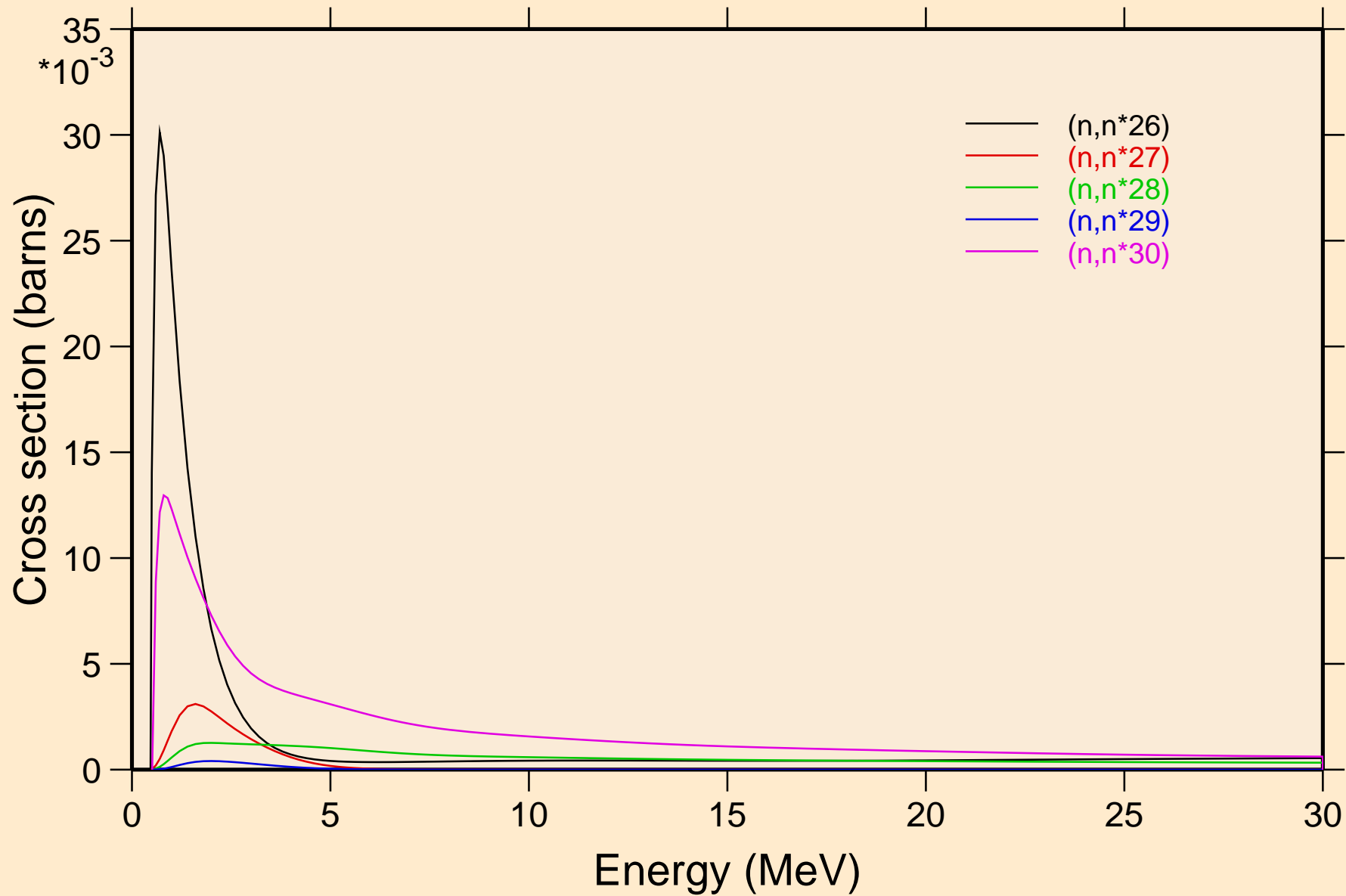
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



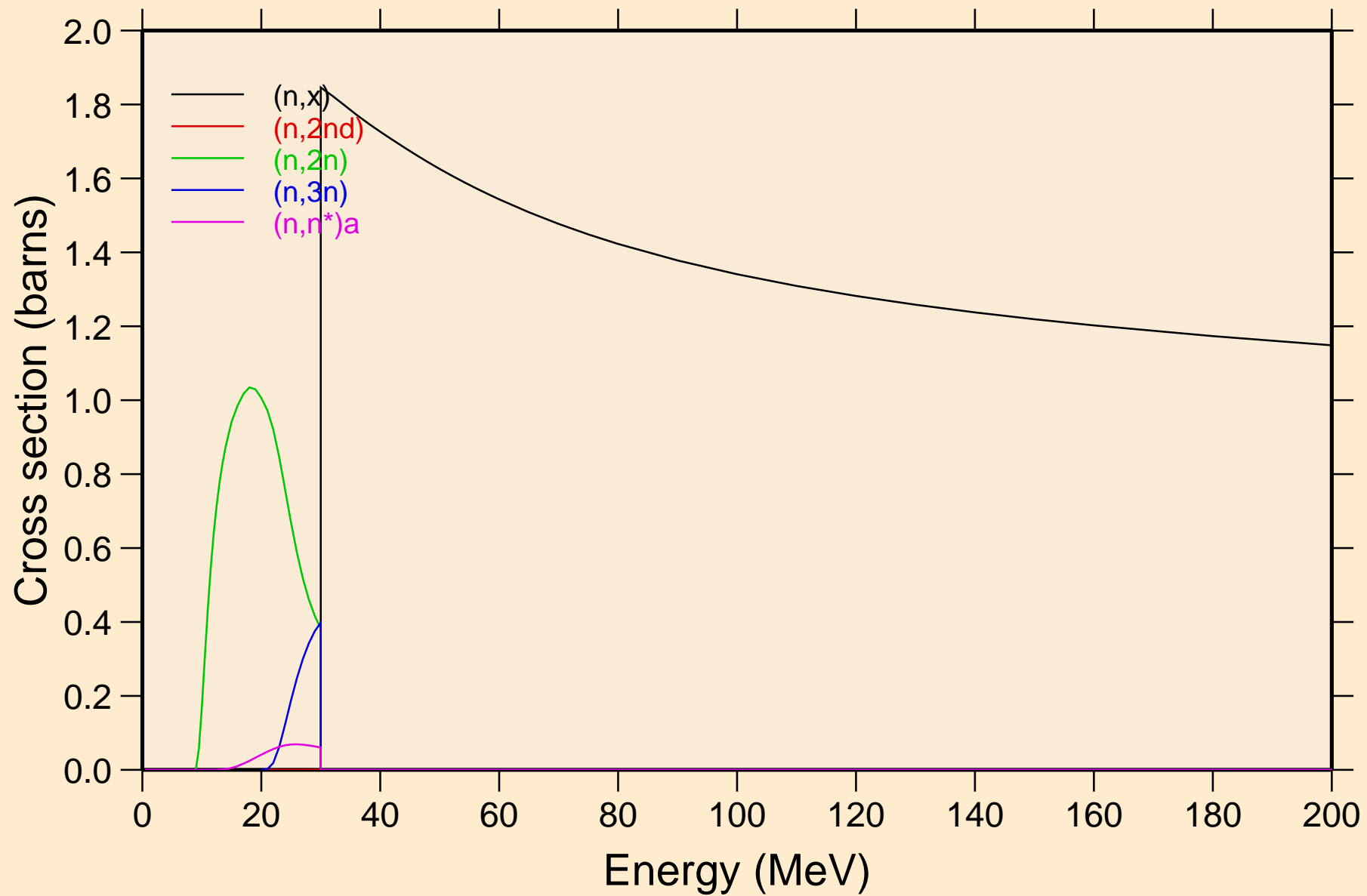
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



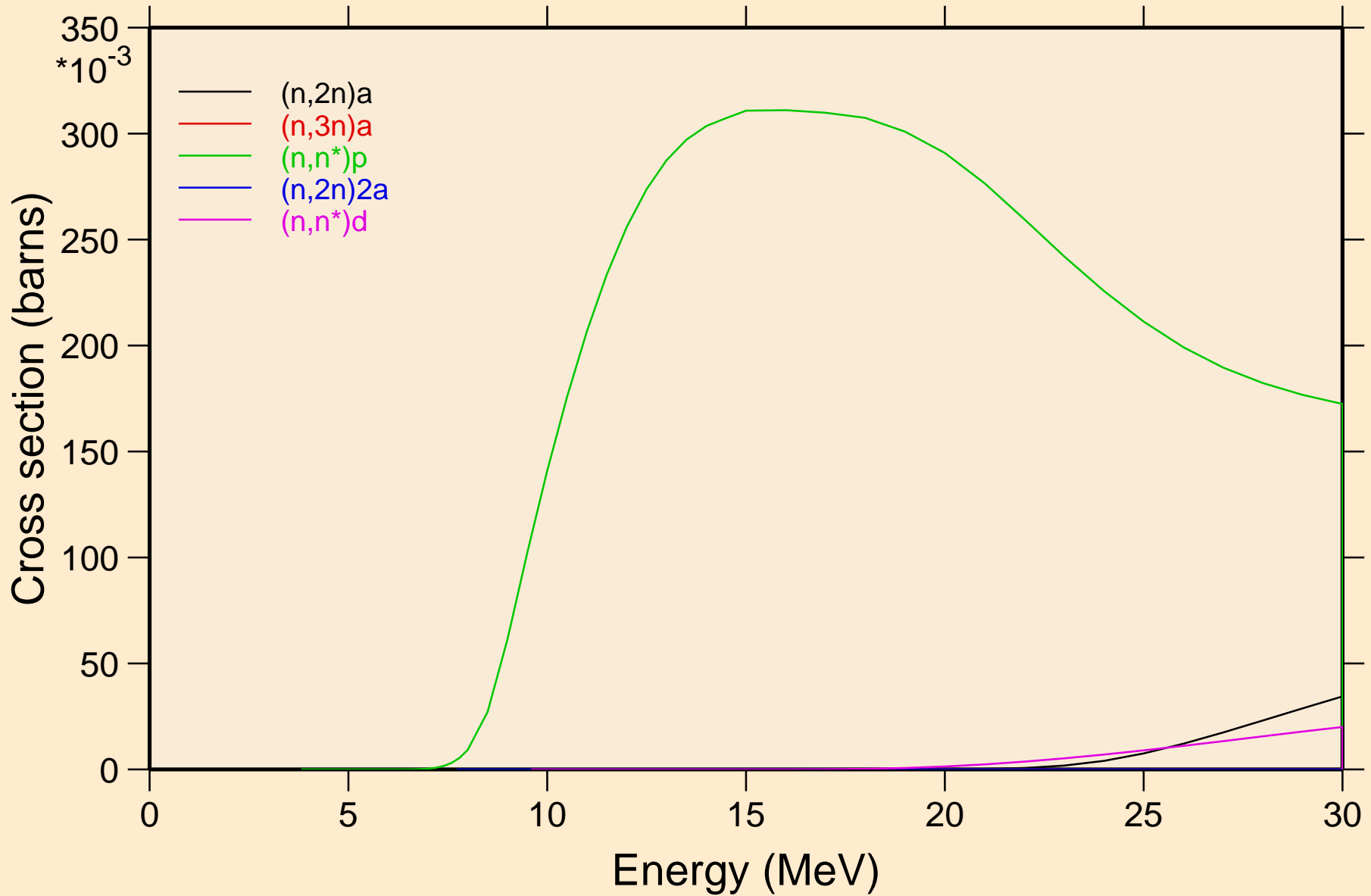
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



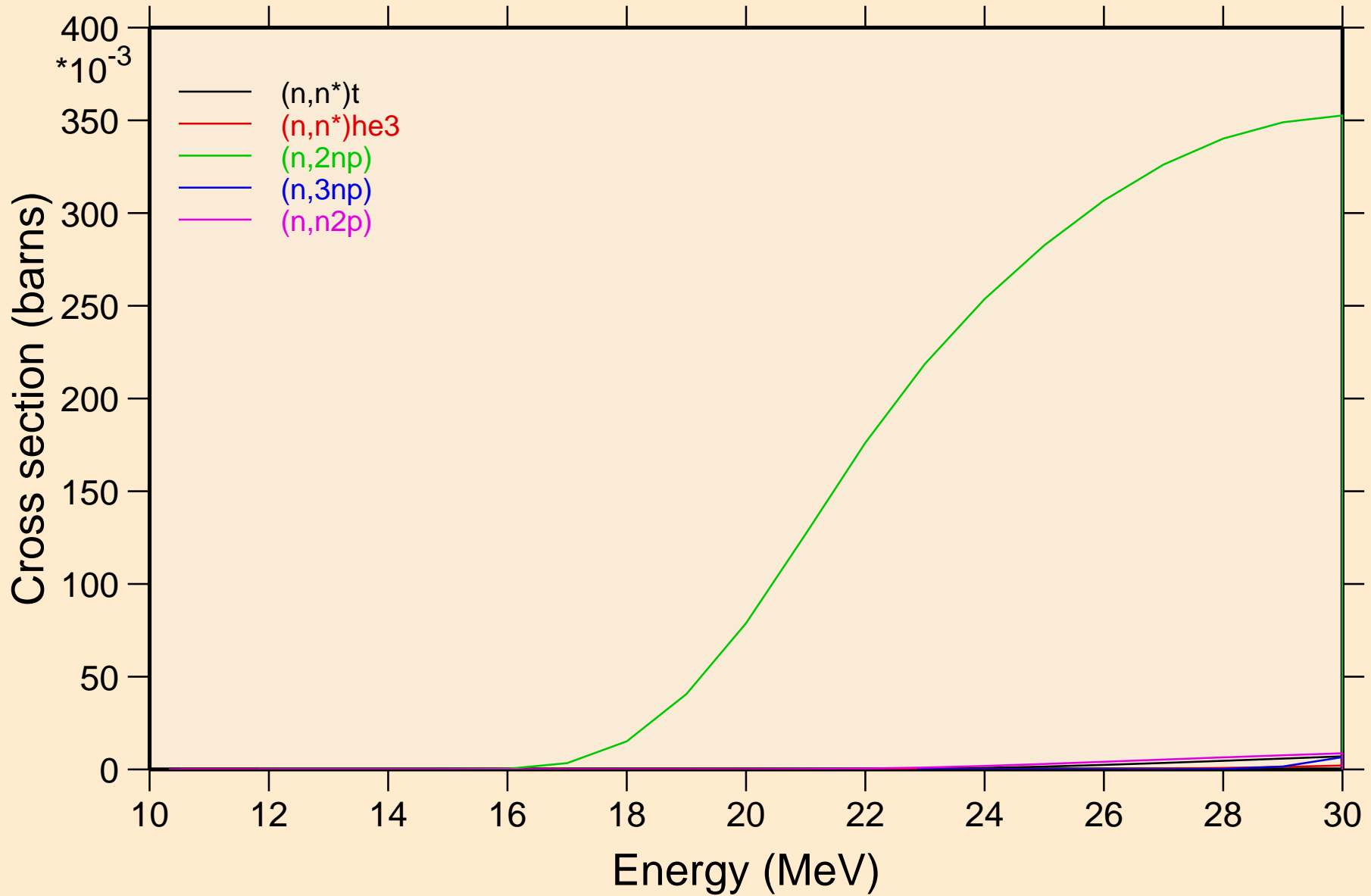
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



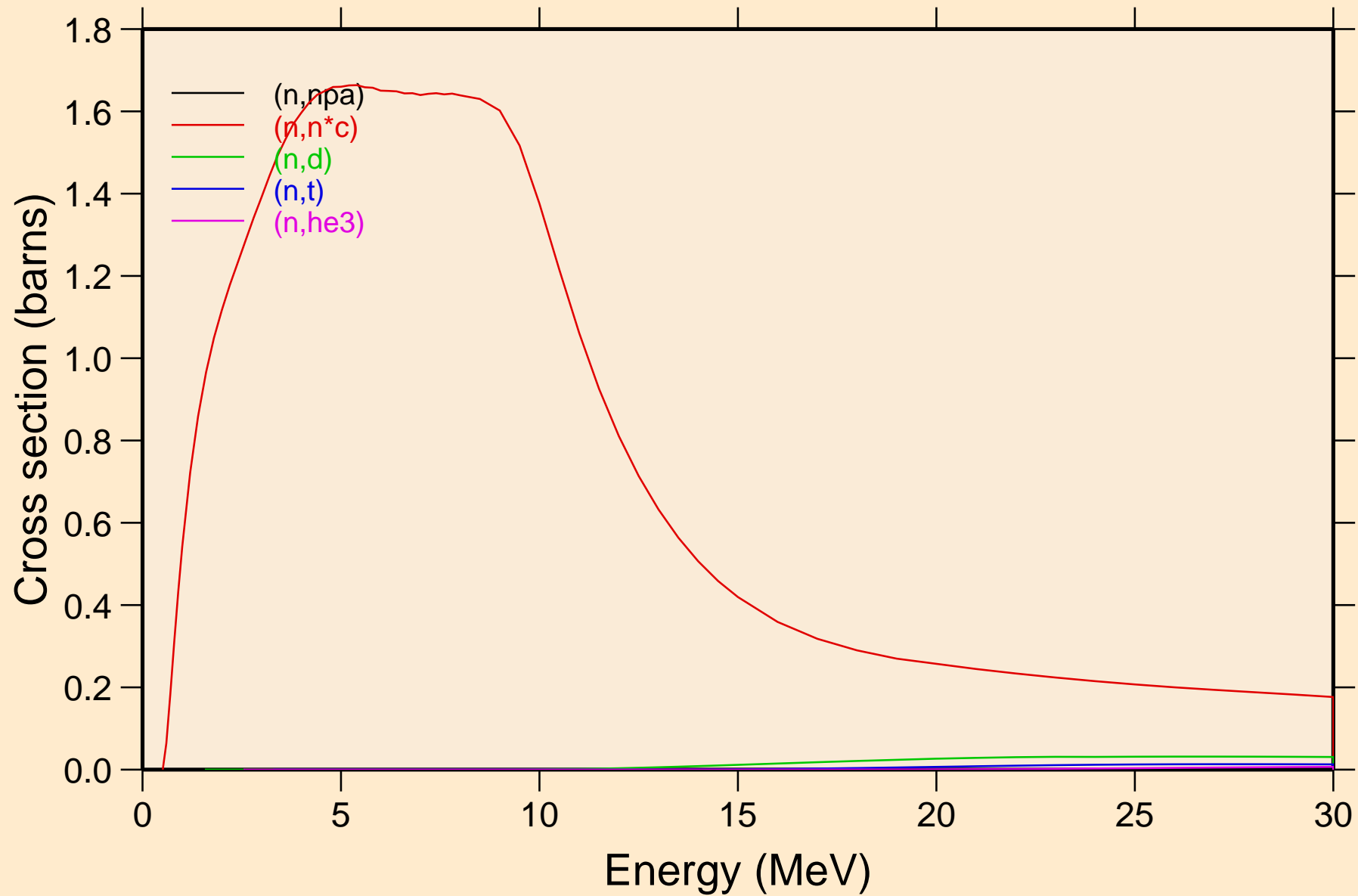
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



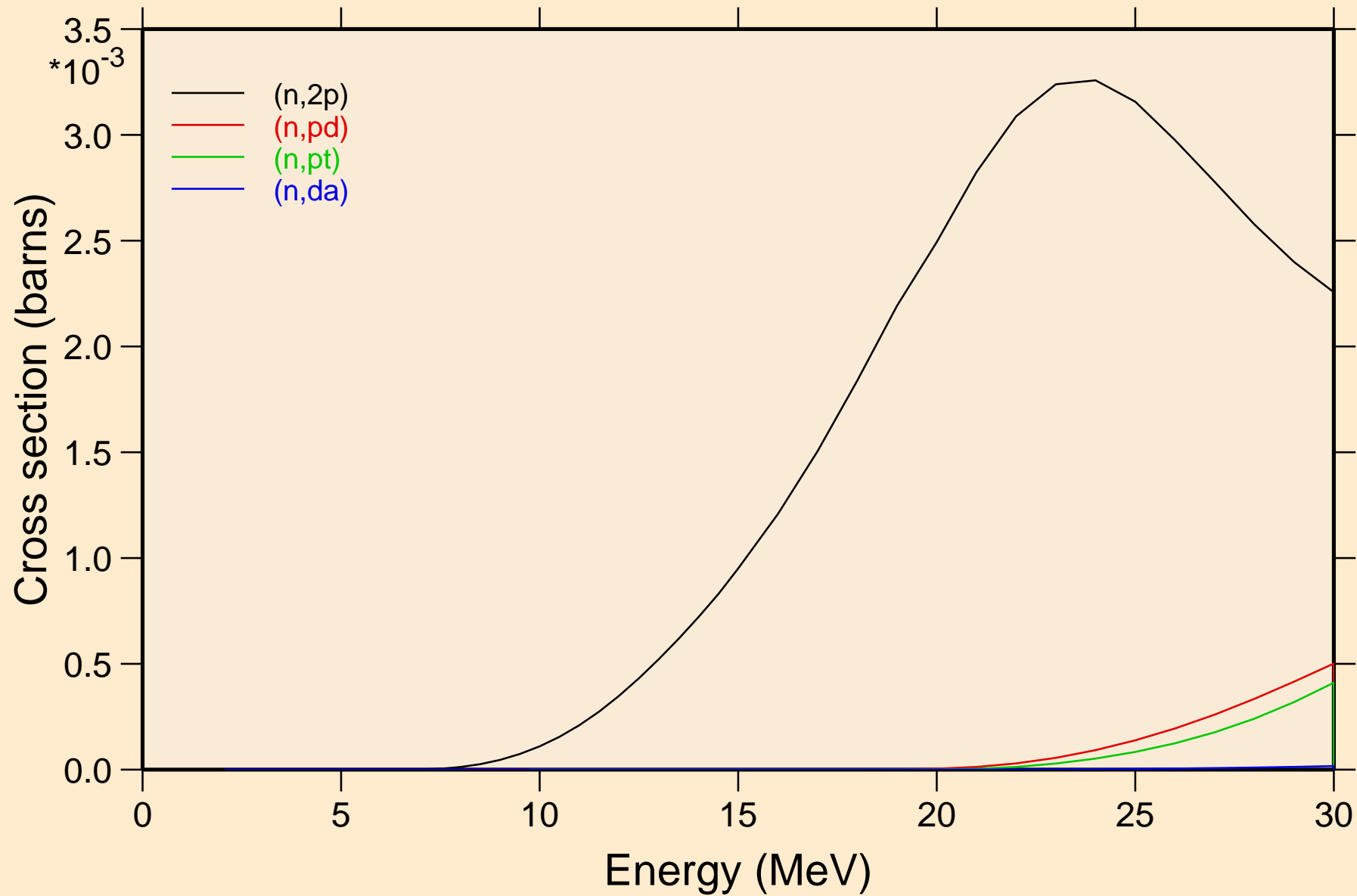
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



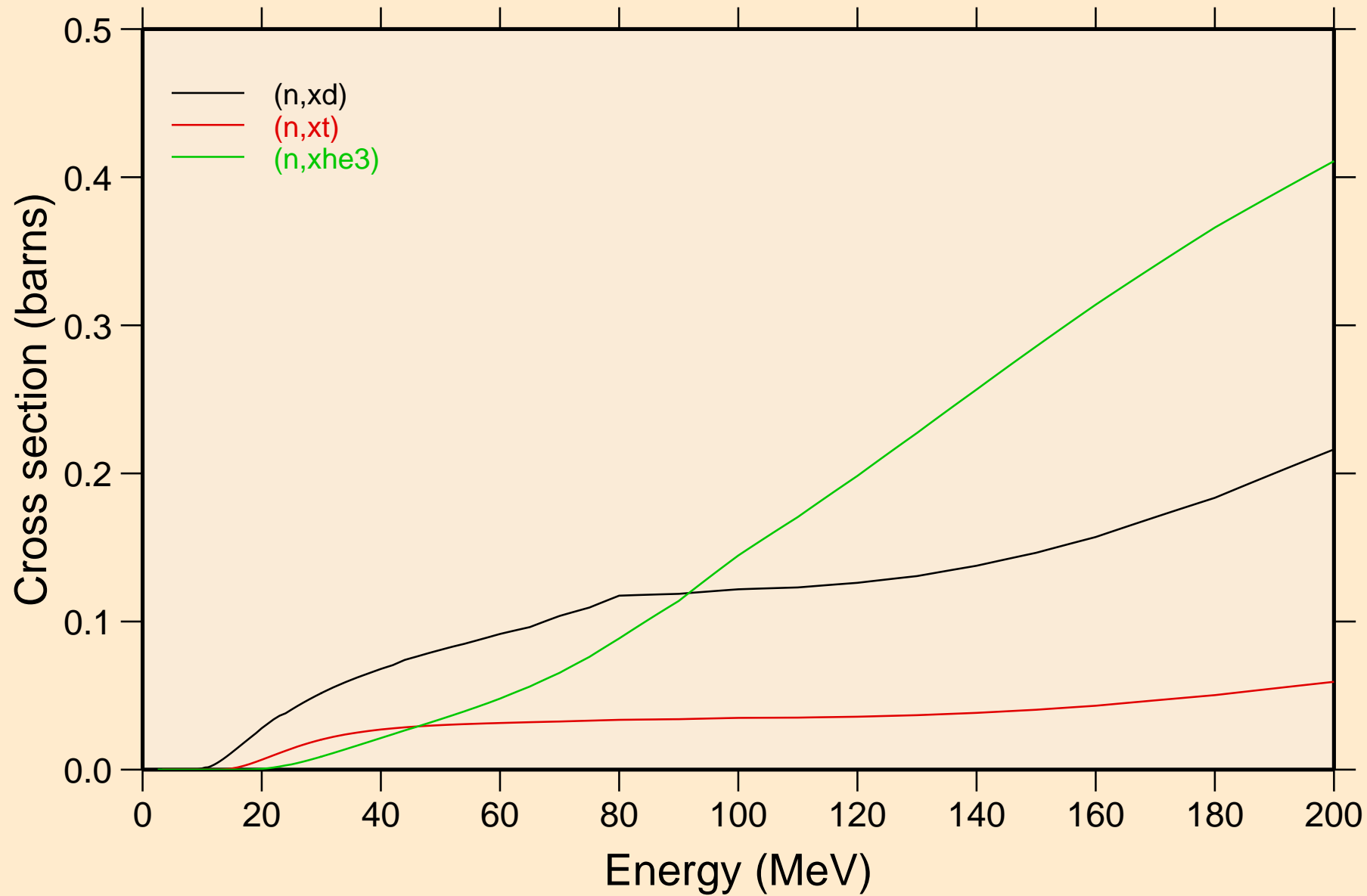
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

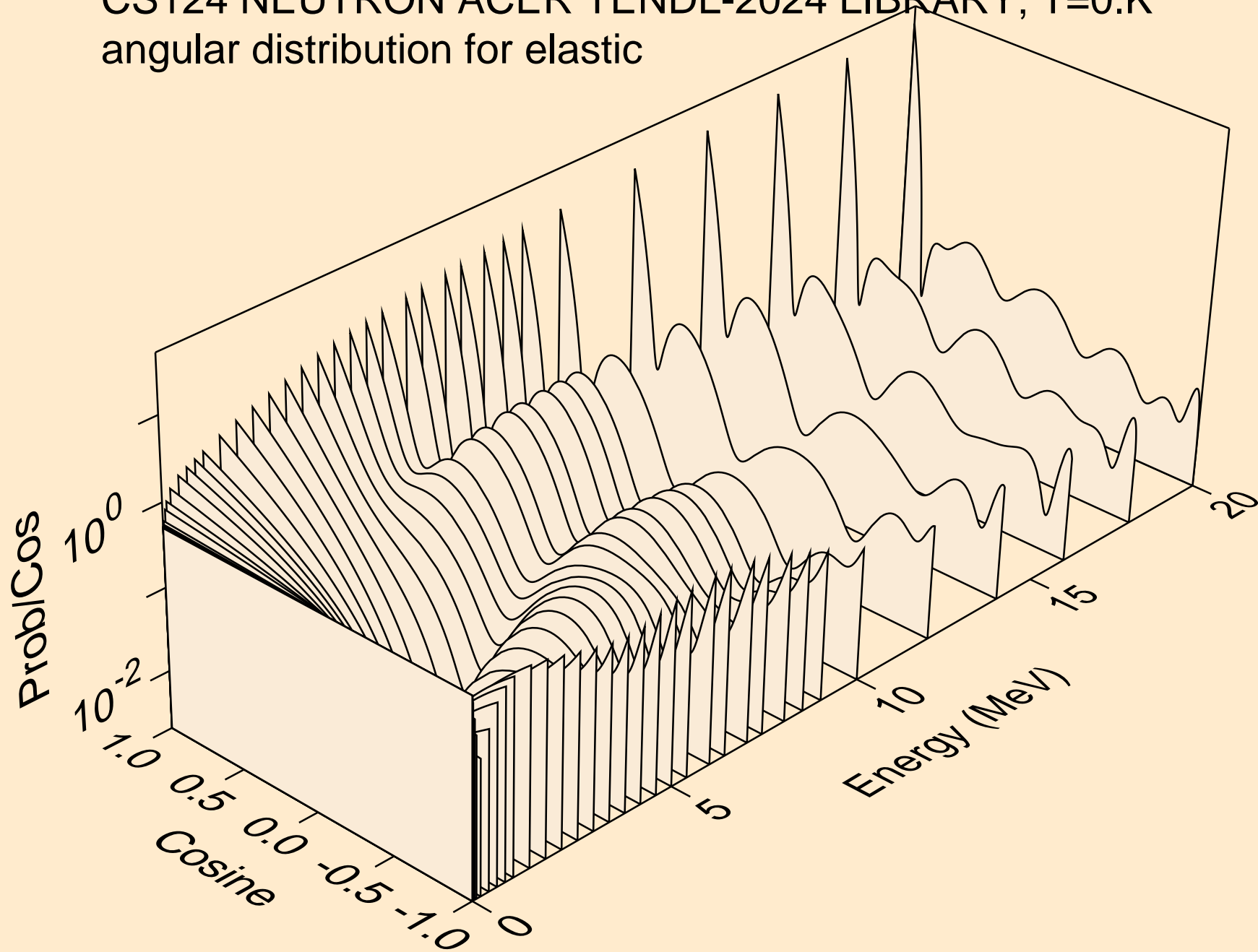


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

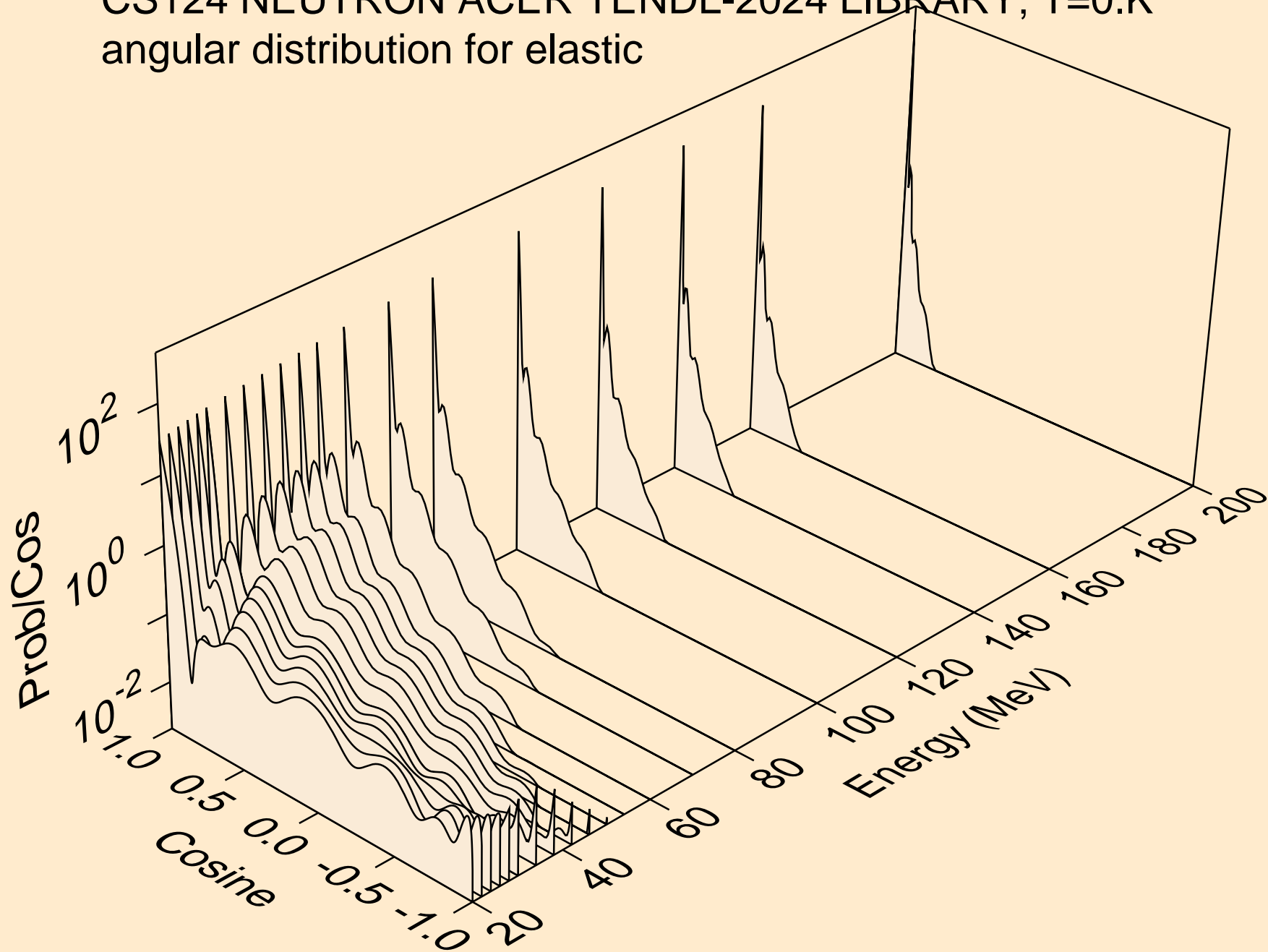
## Threshold reactions



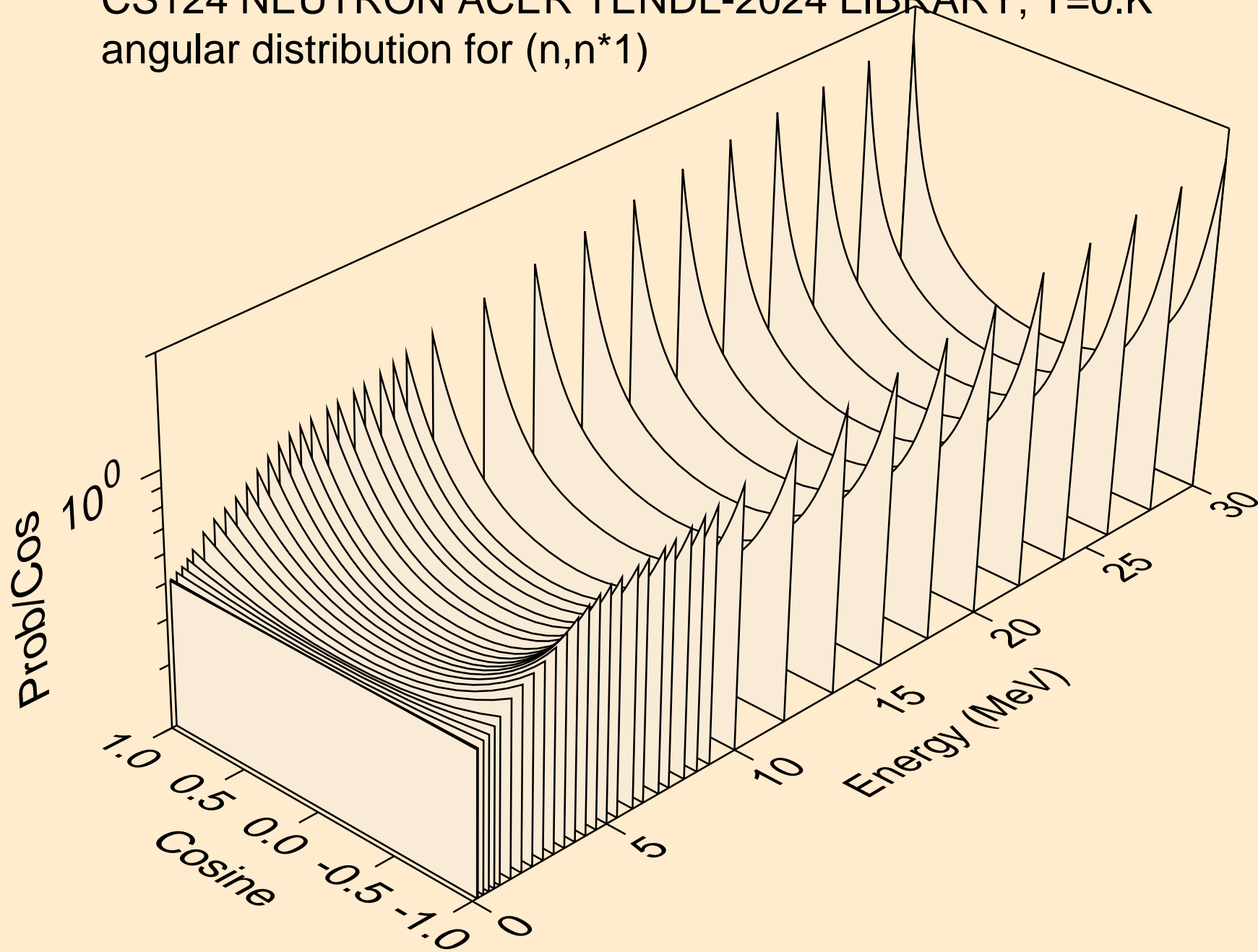
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



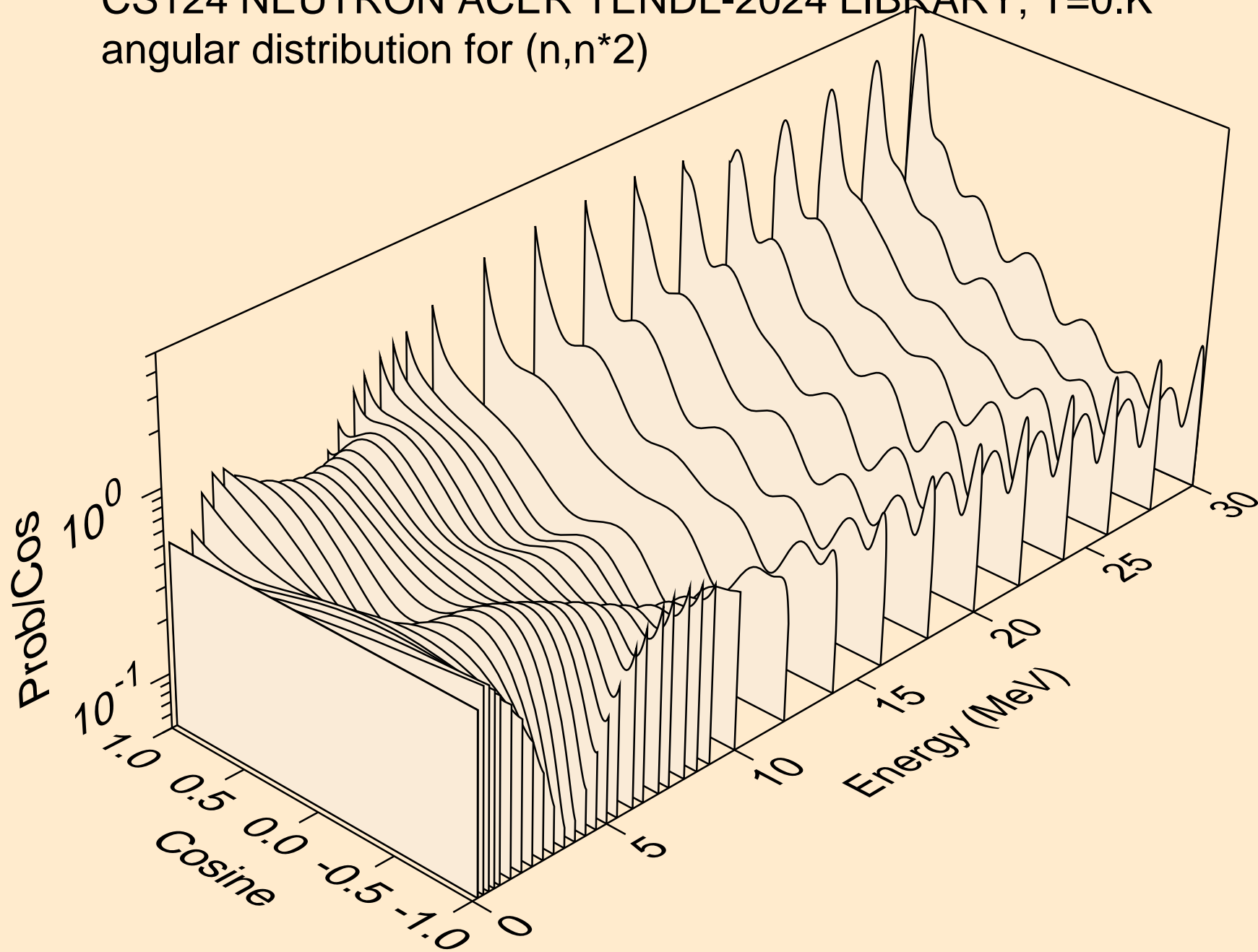
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



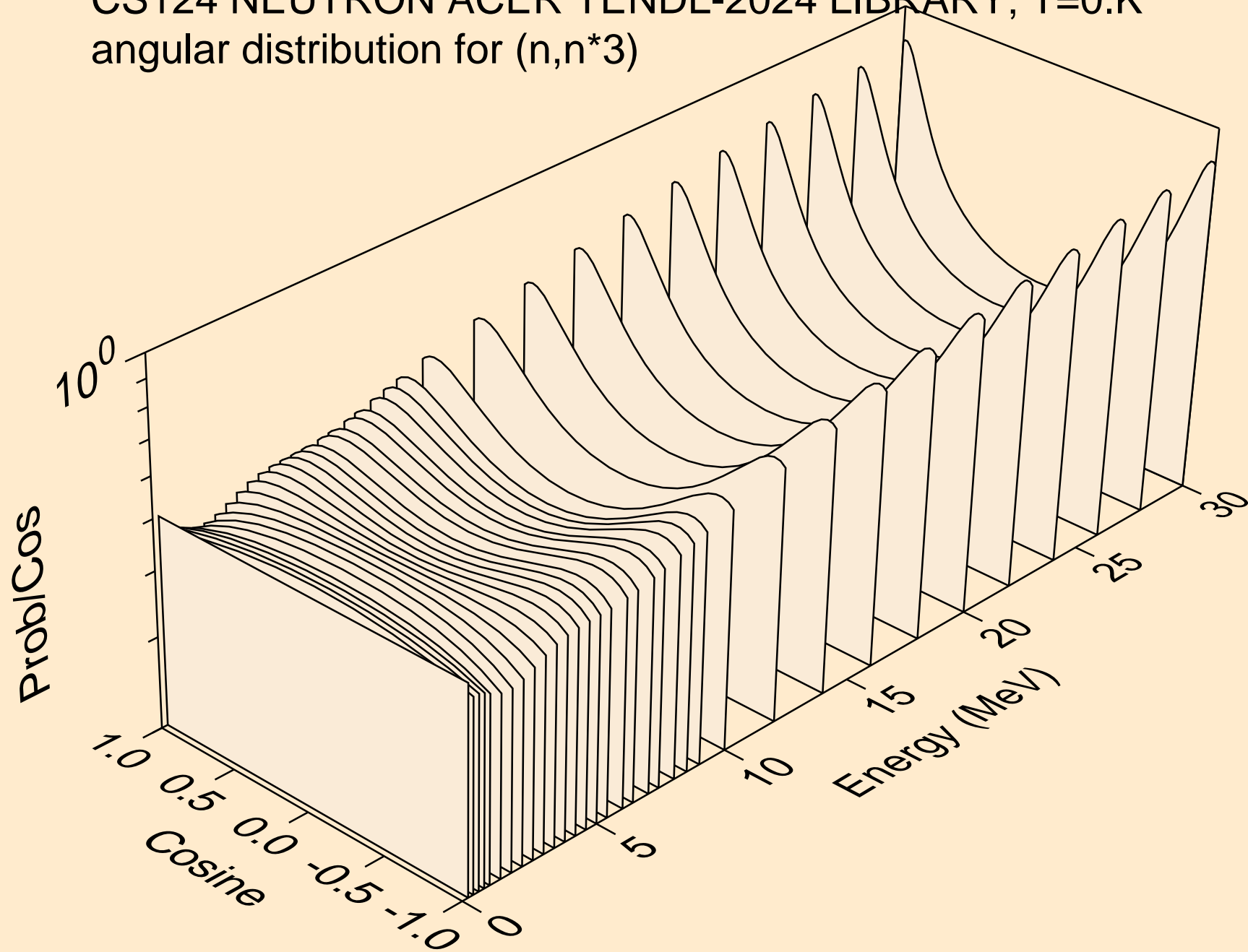
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



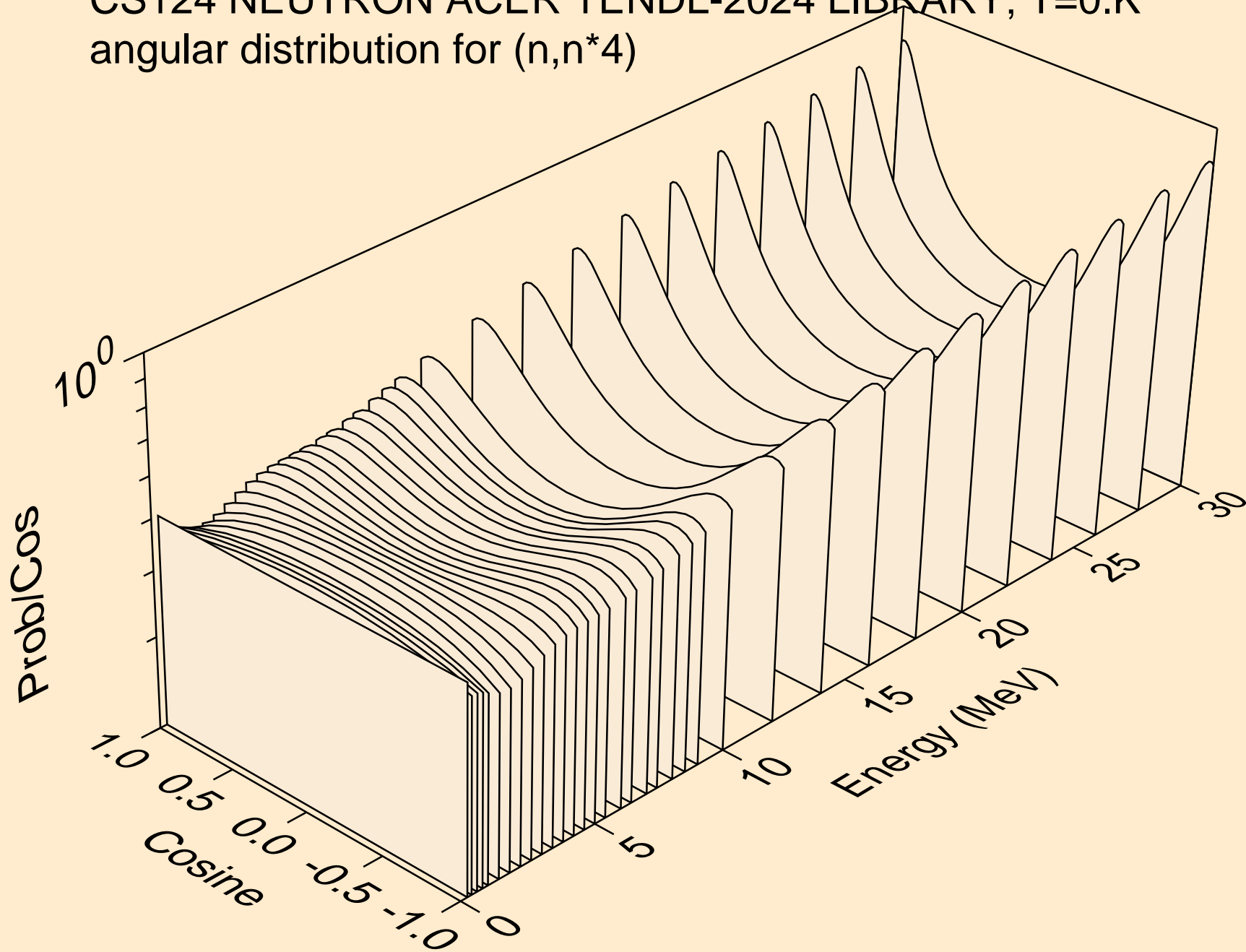
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



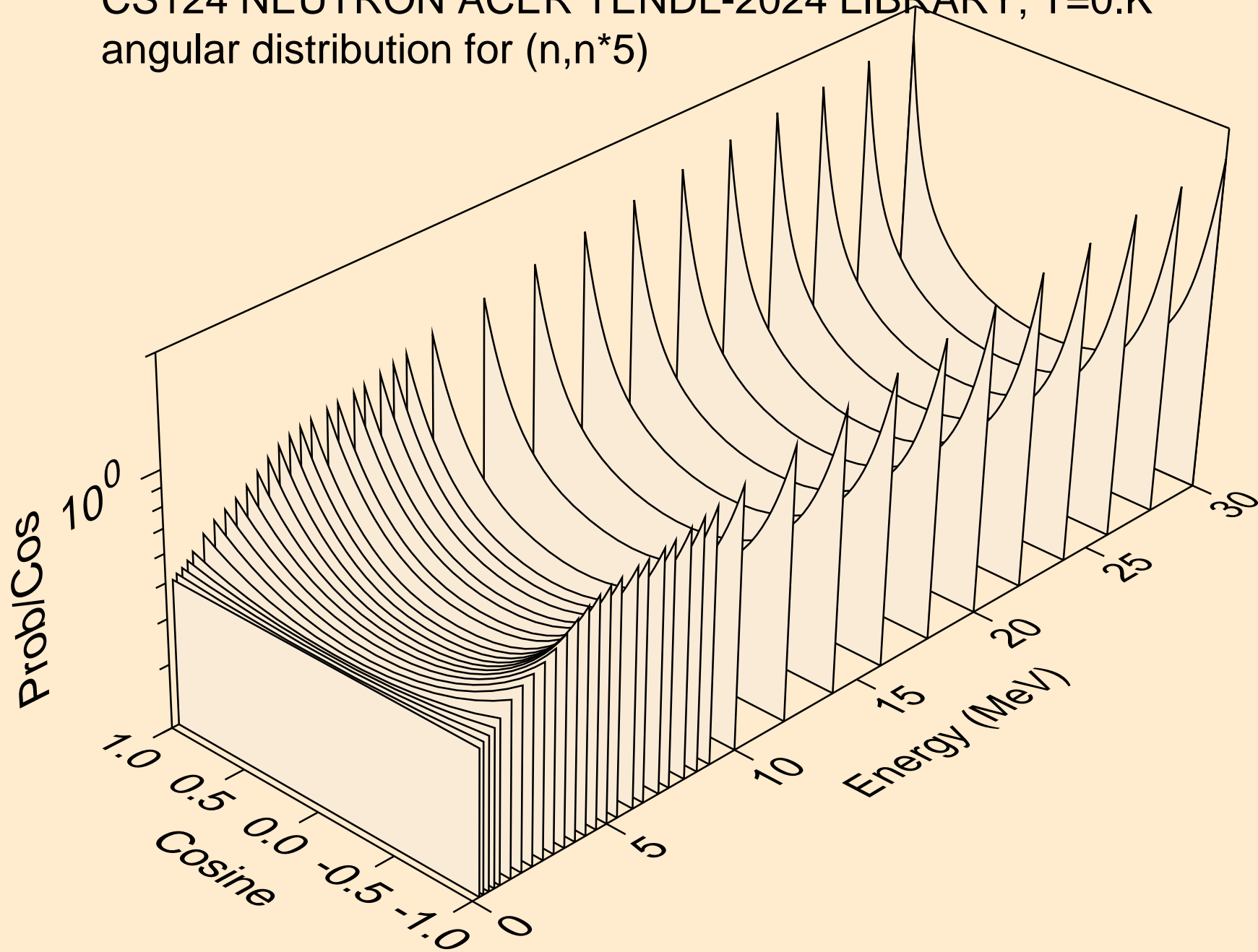
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



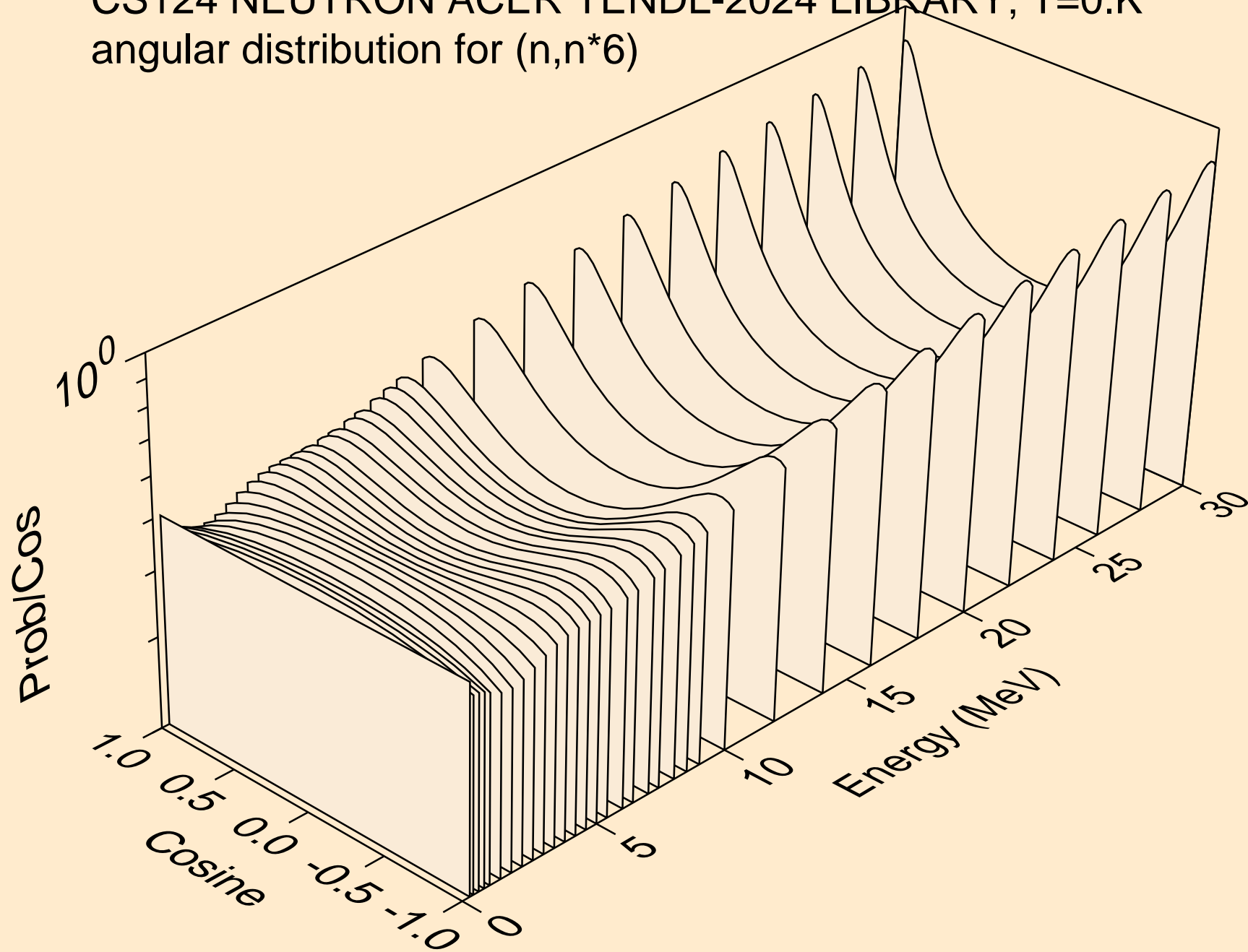
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



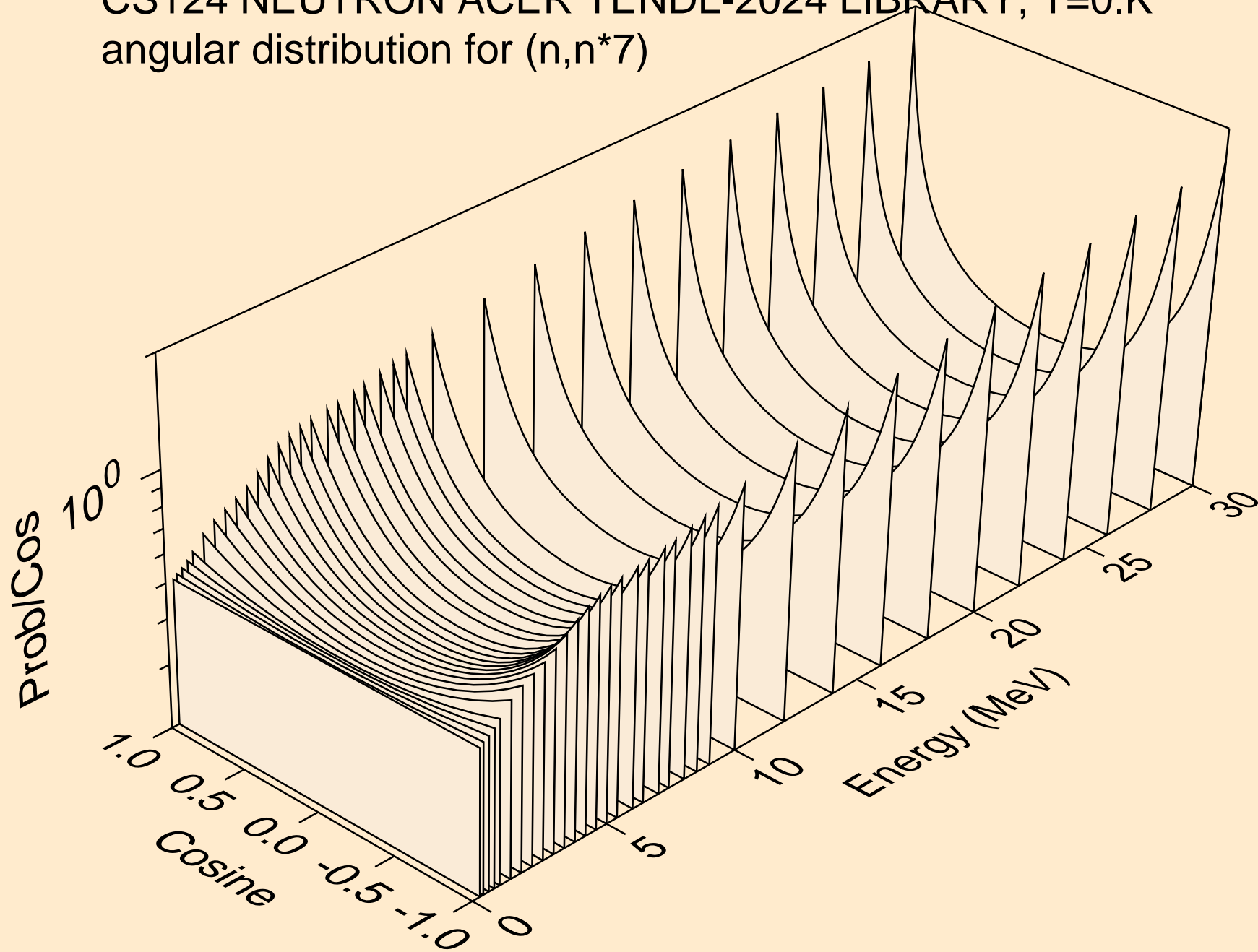
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



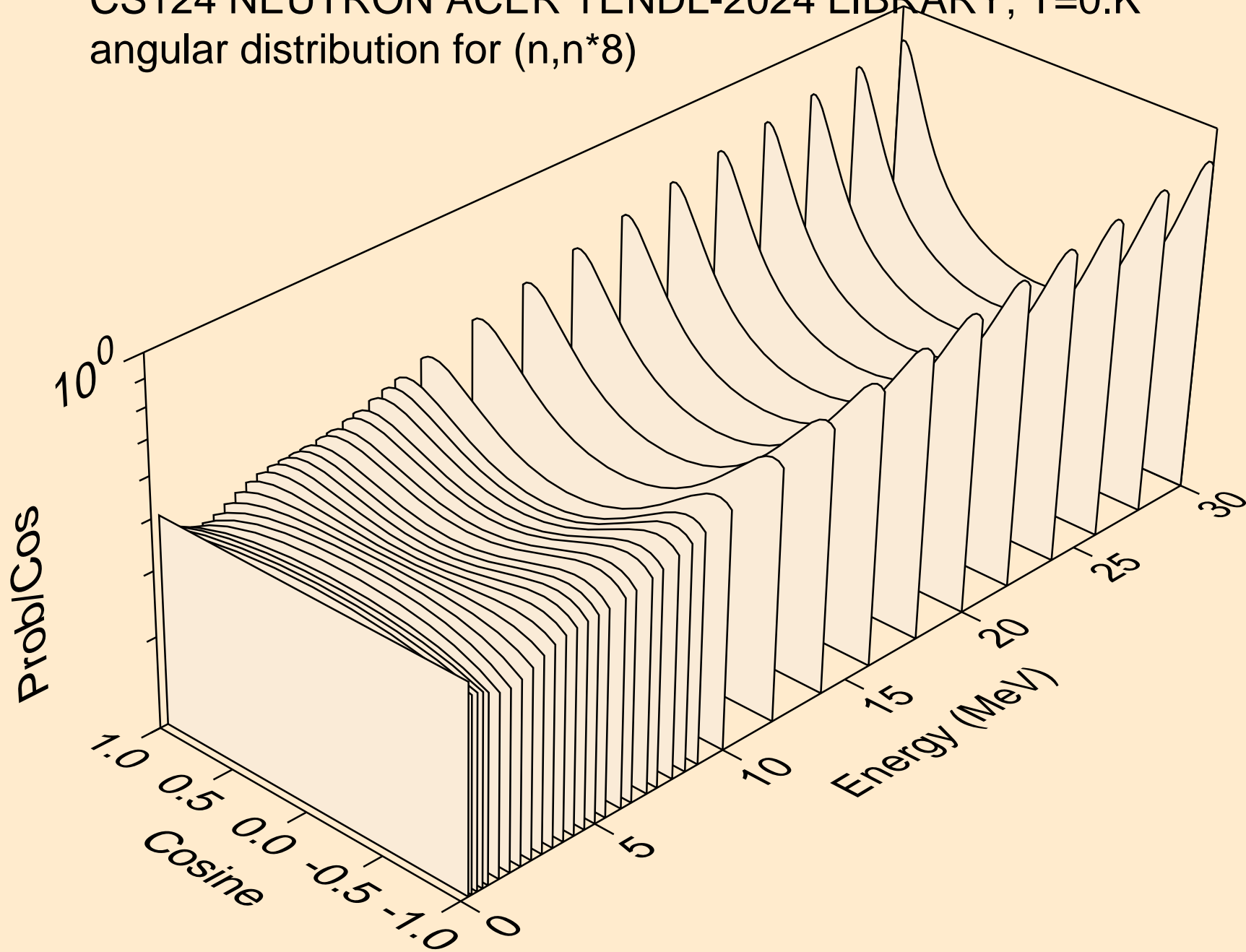
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



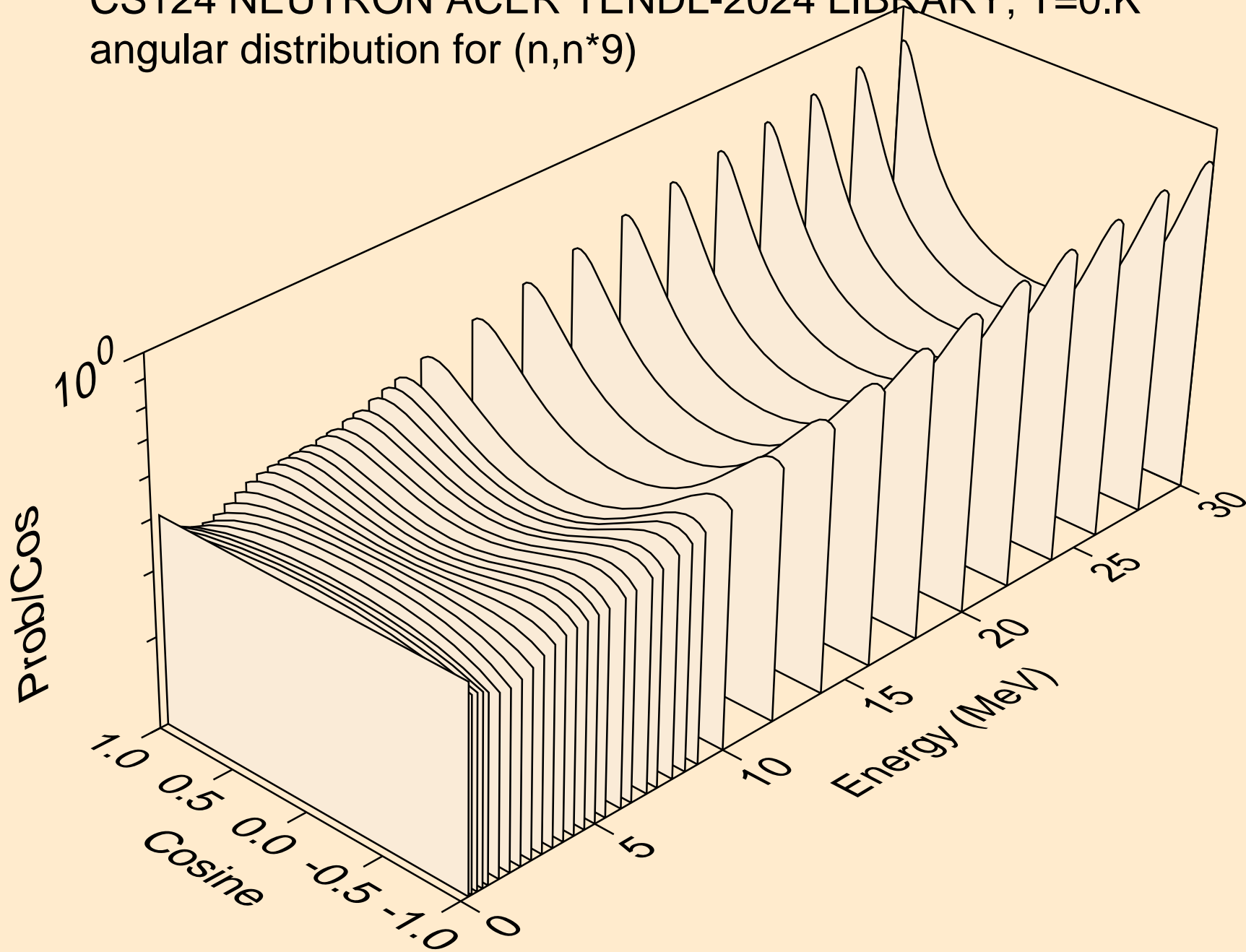
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



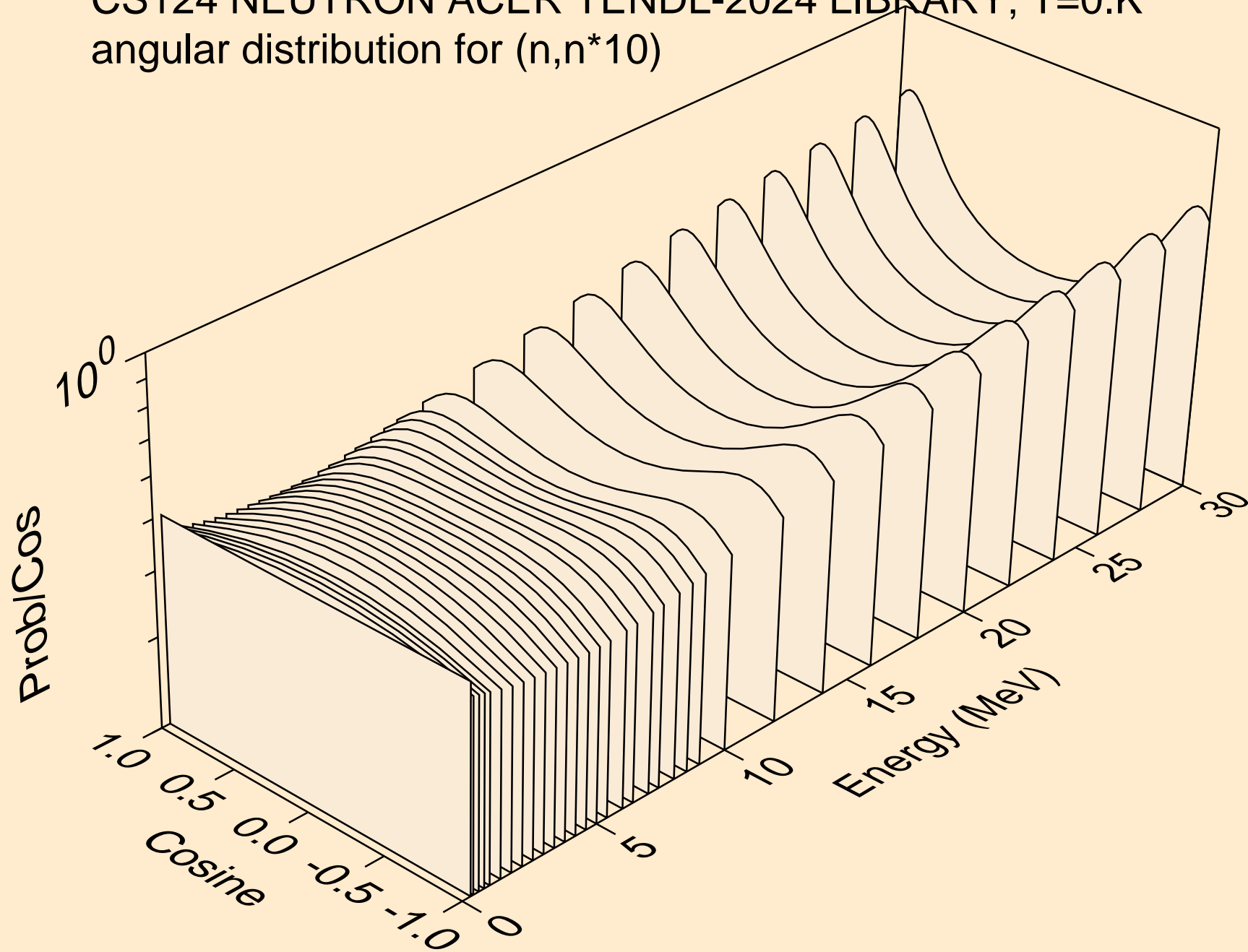
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



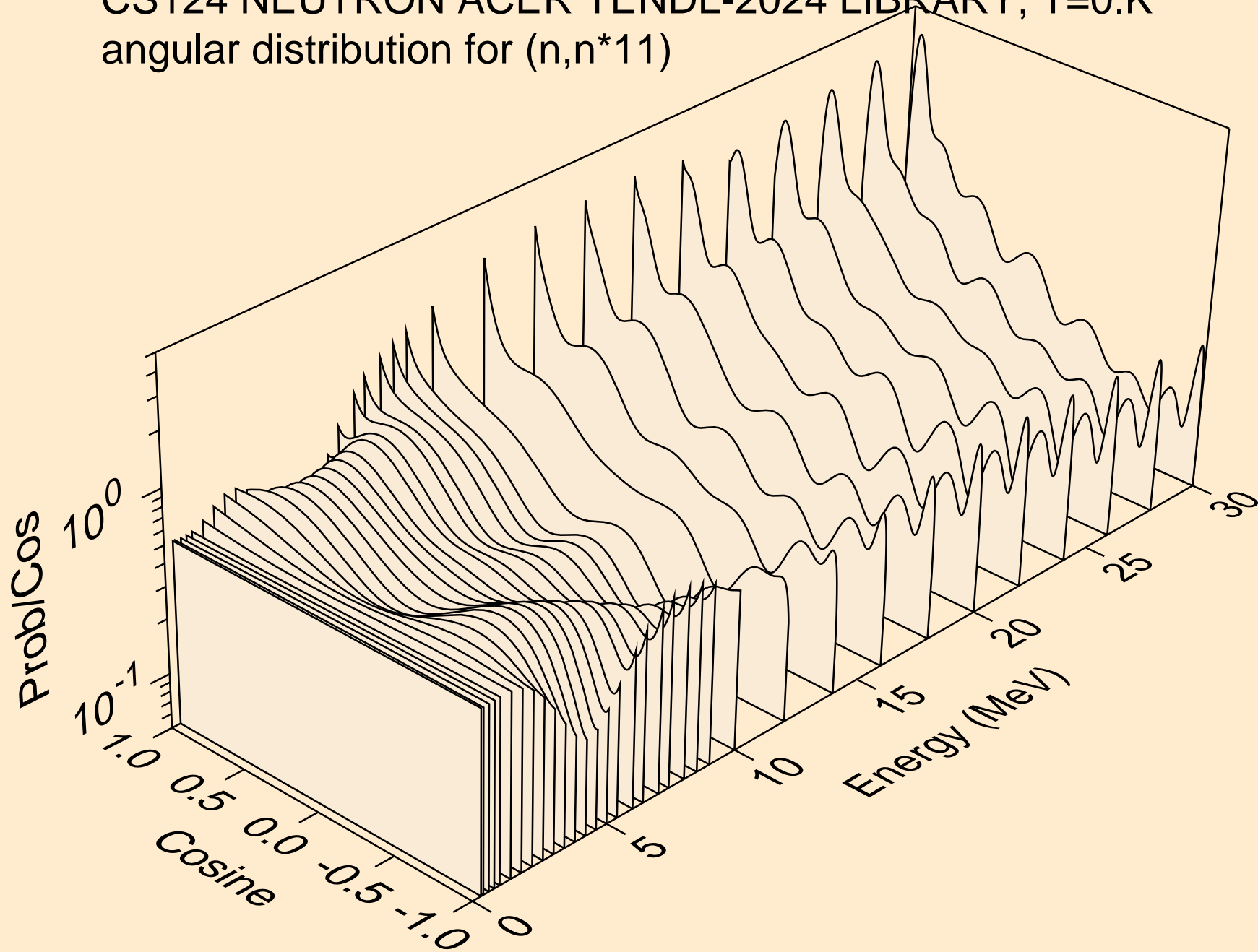
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



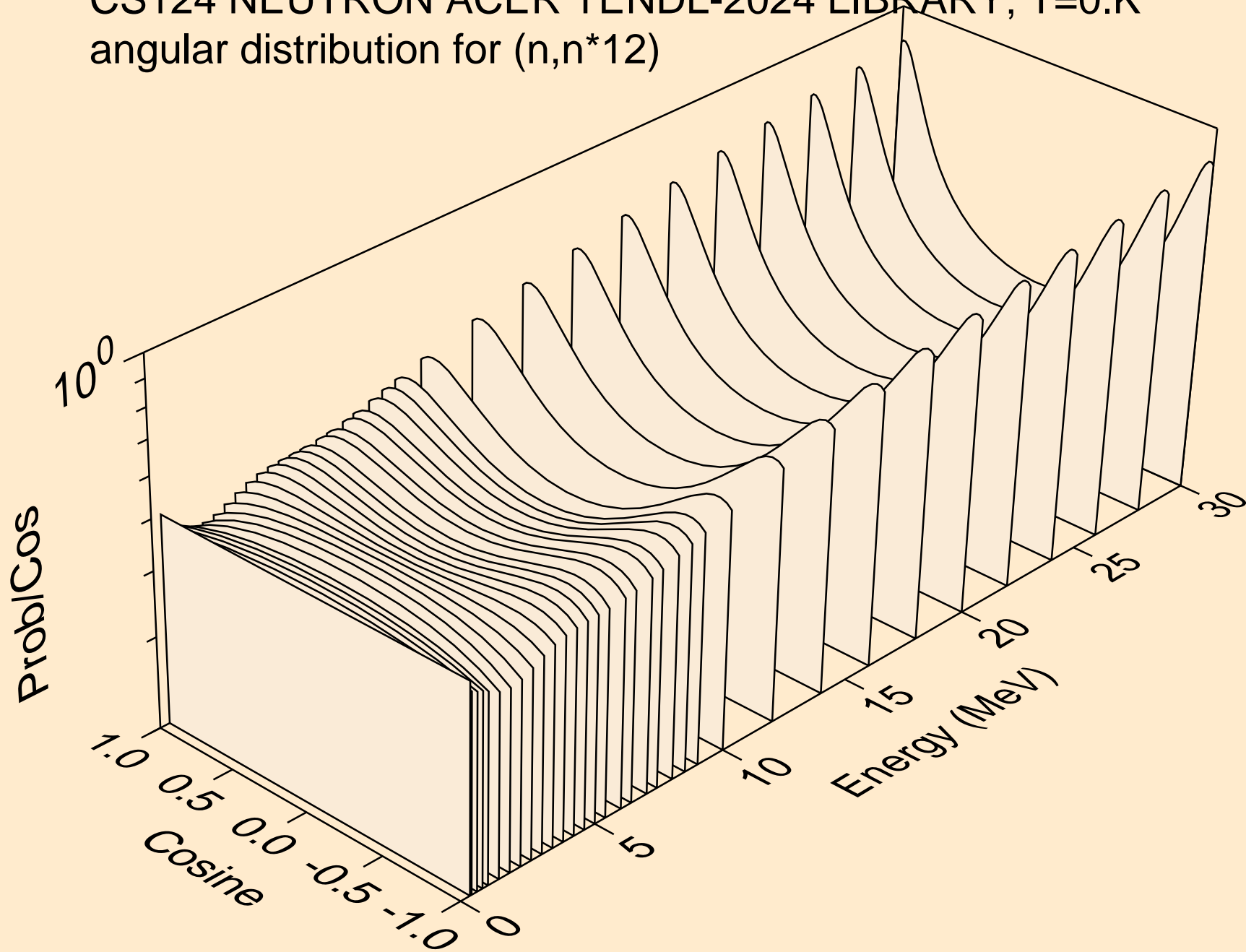
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



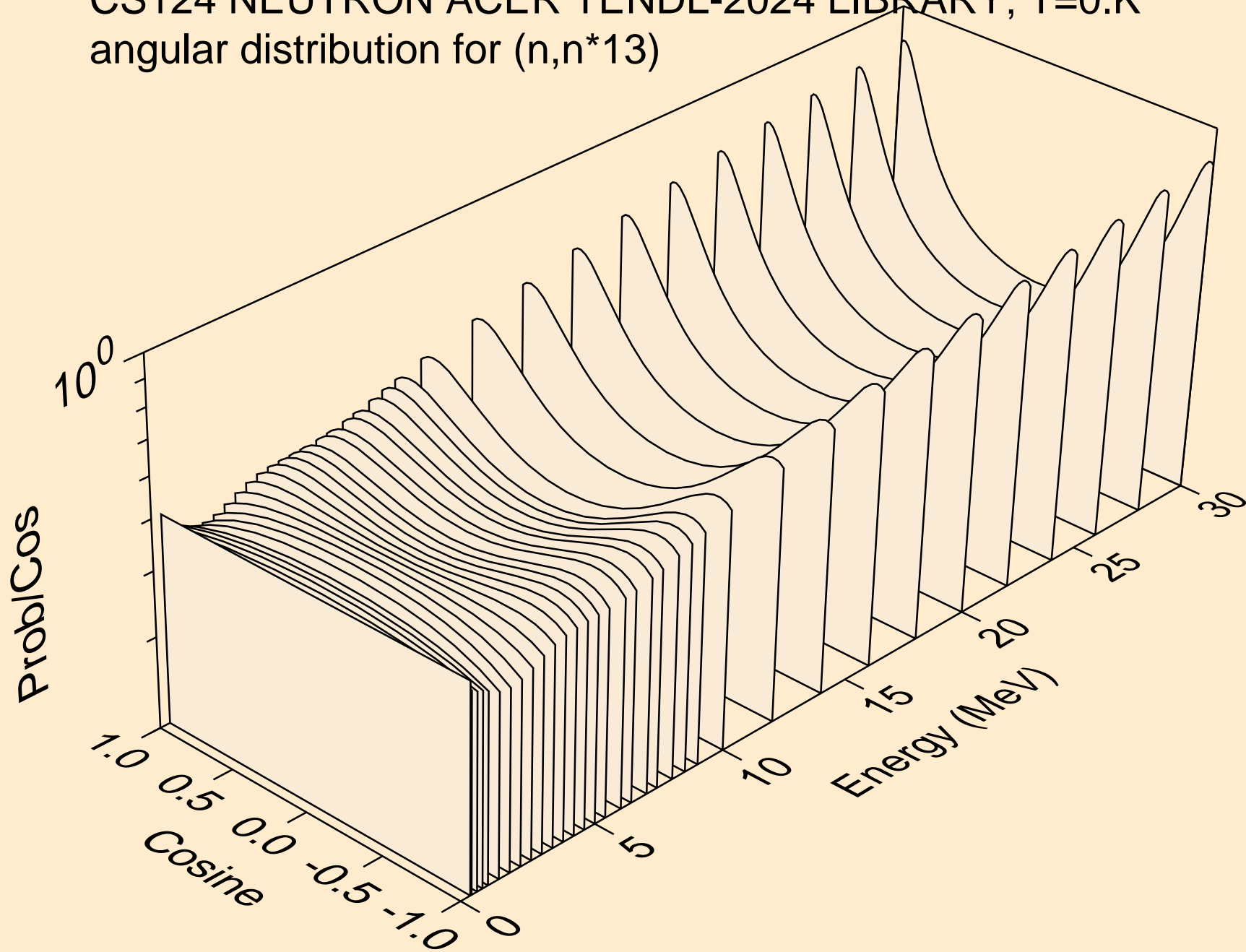
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



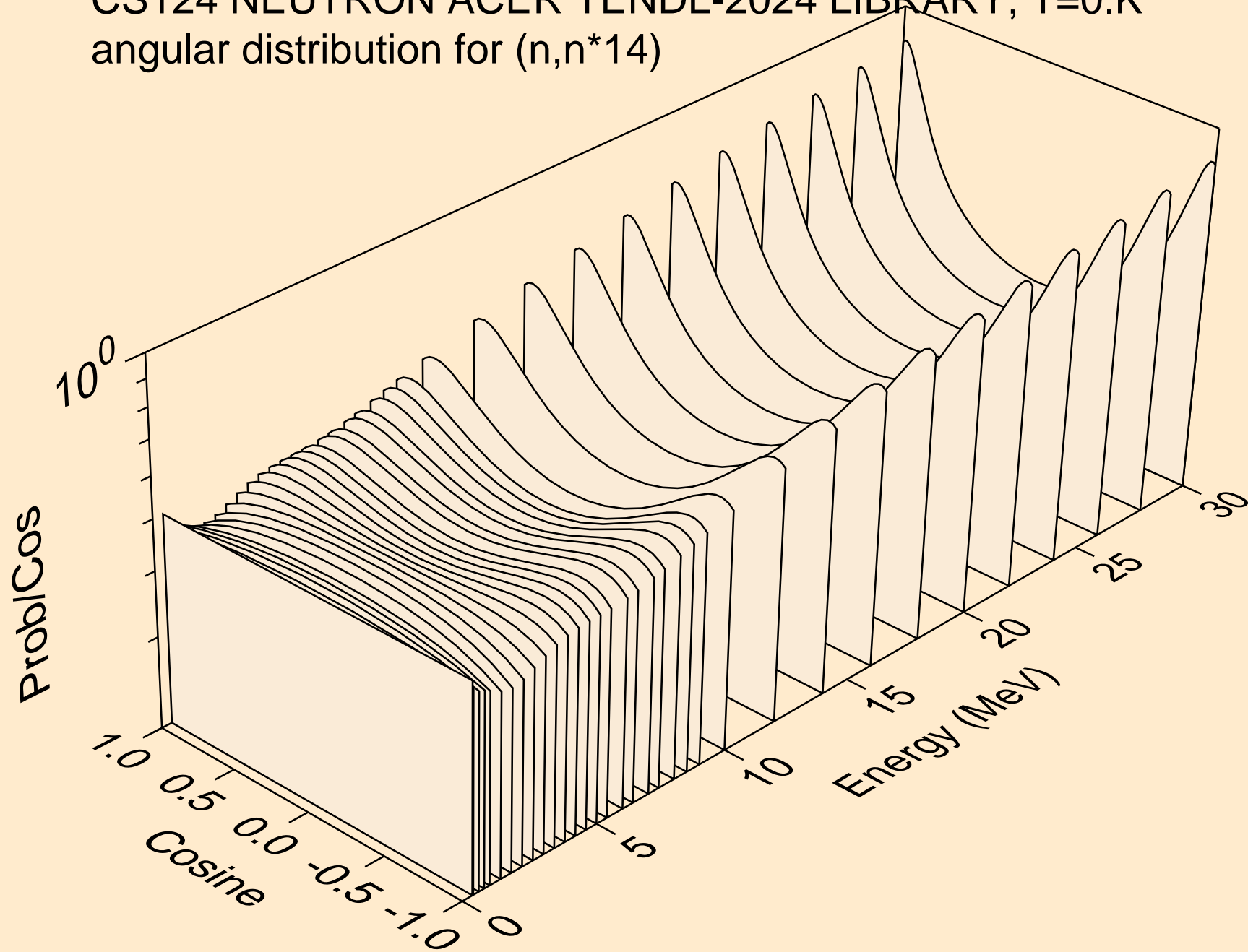
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



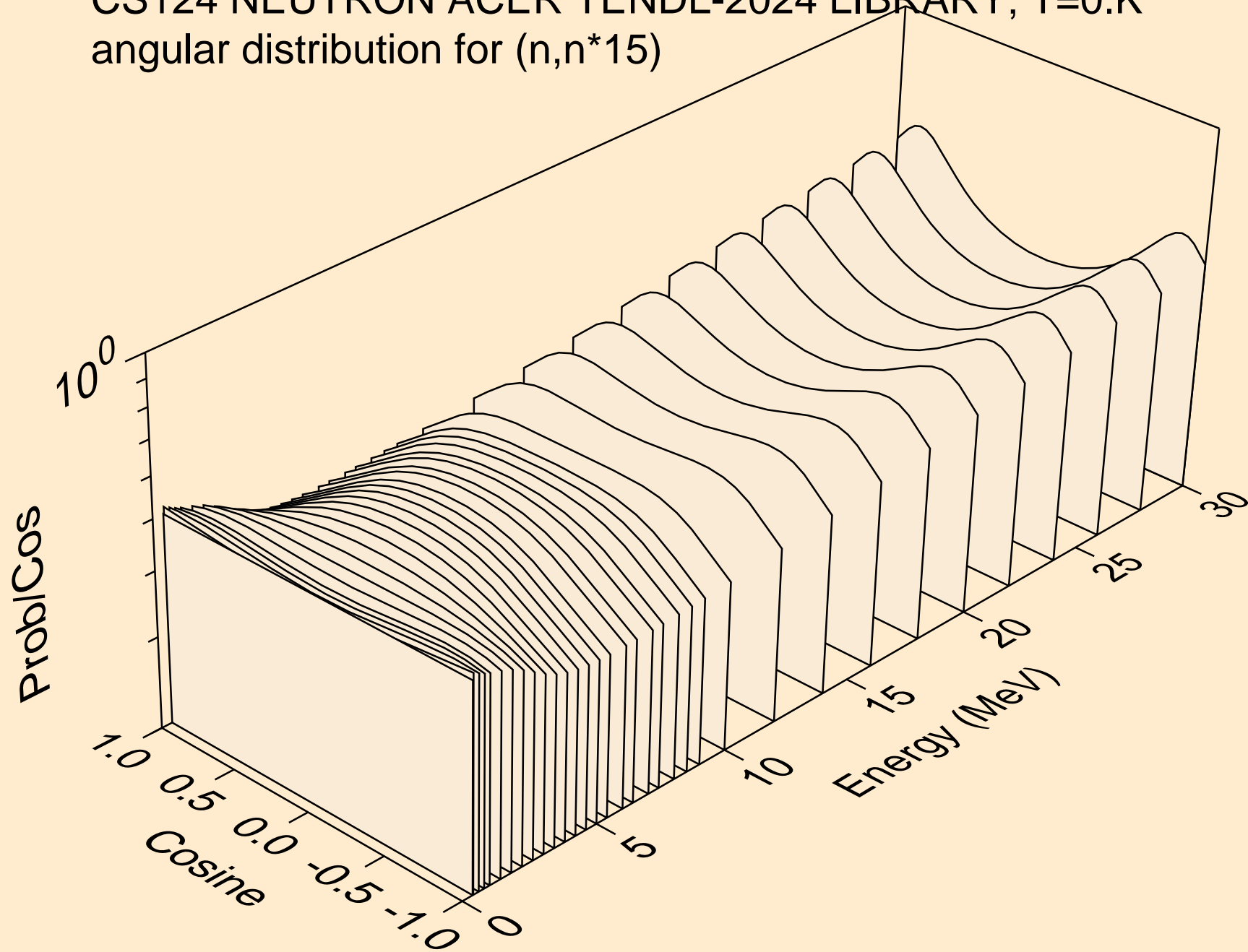
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



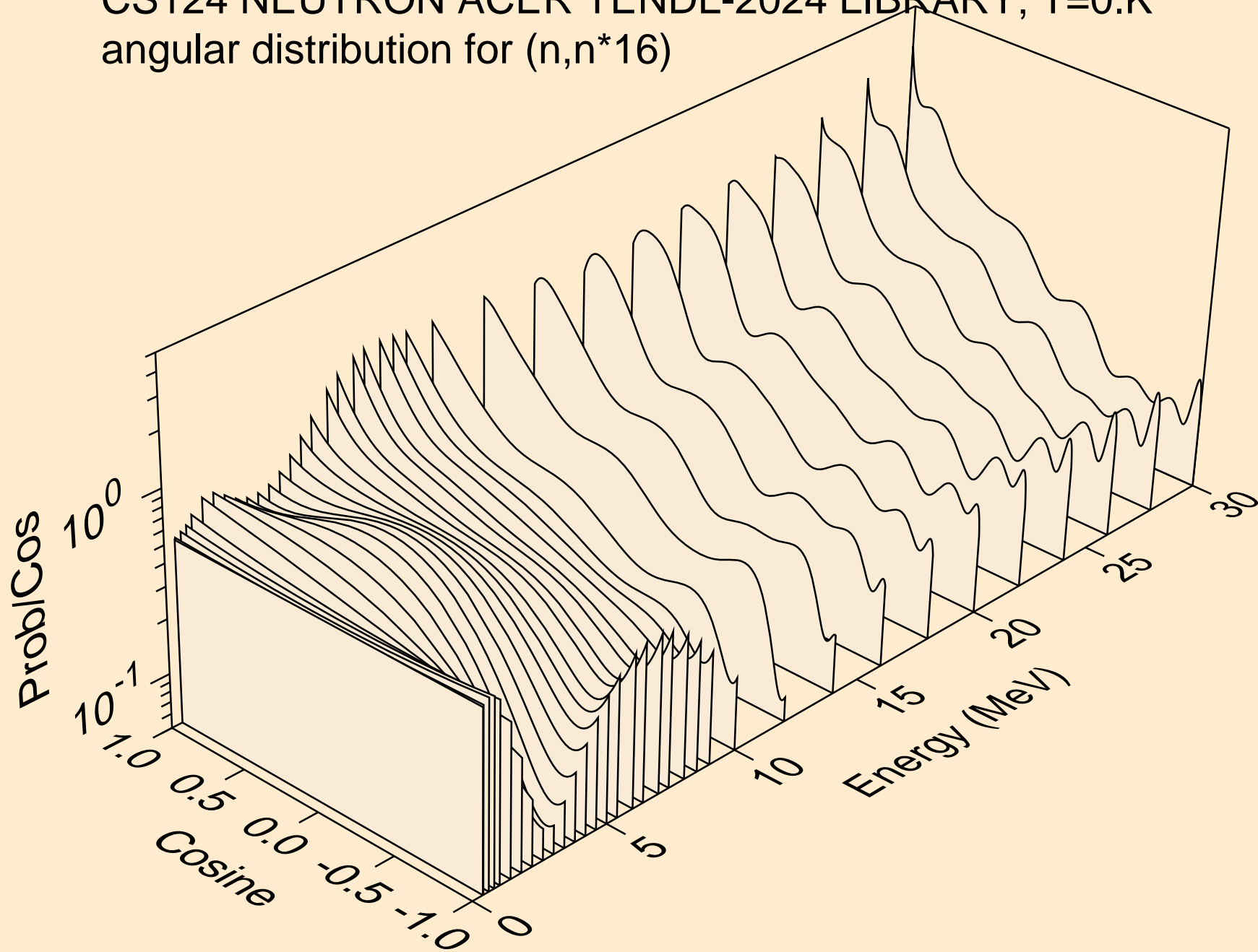
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



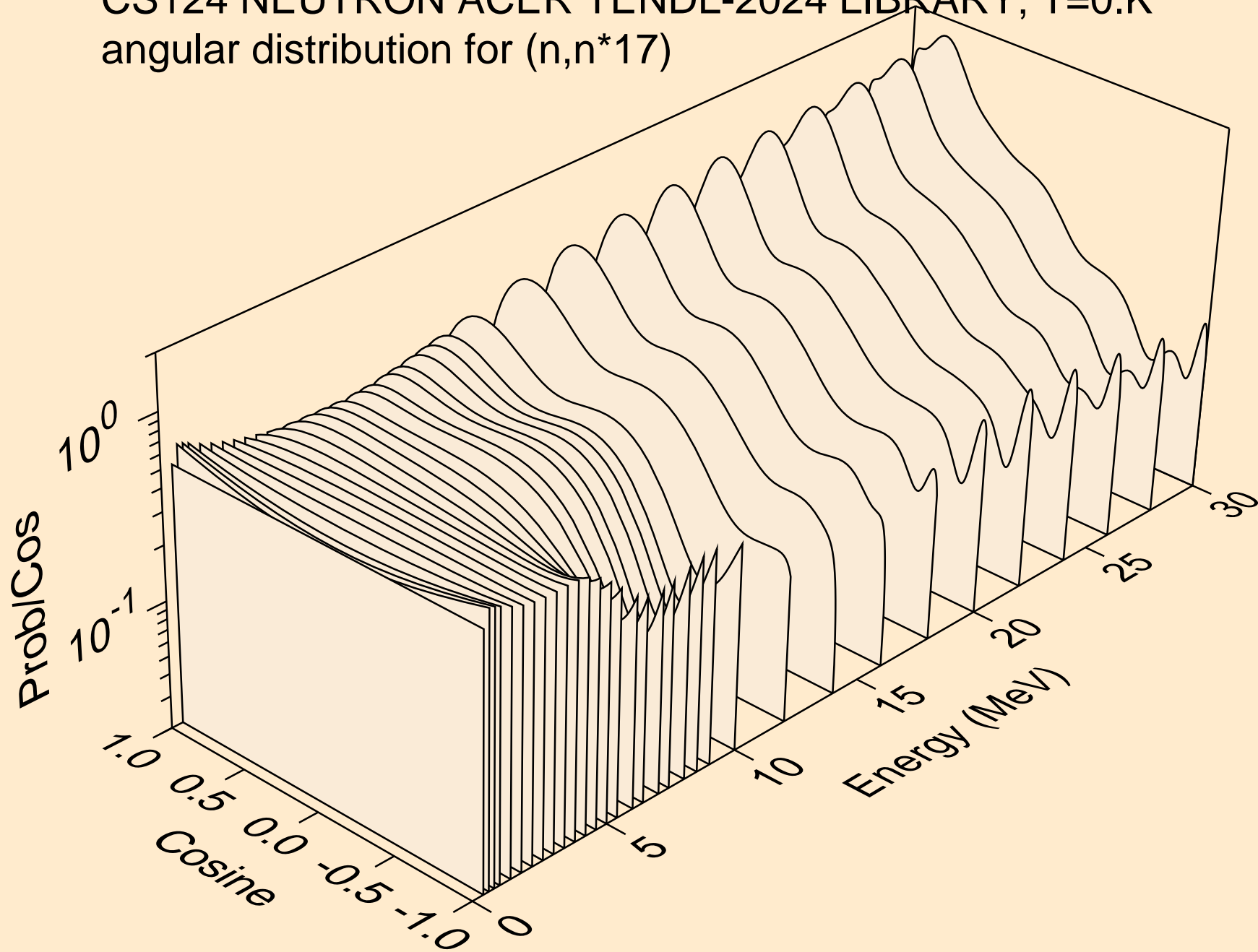
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



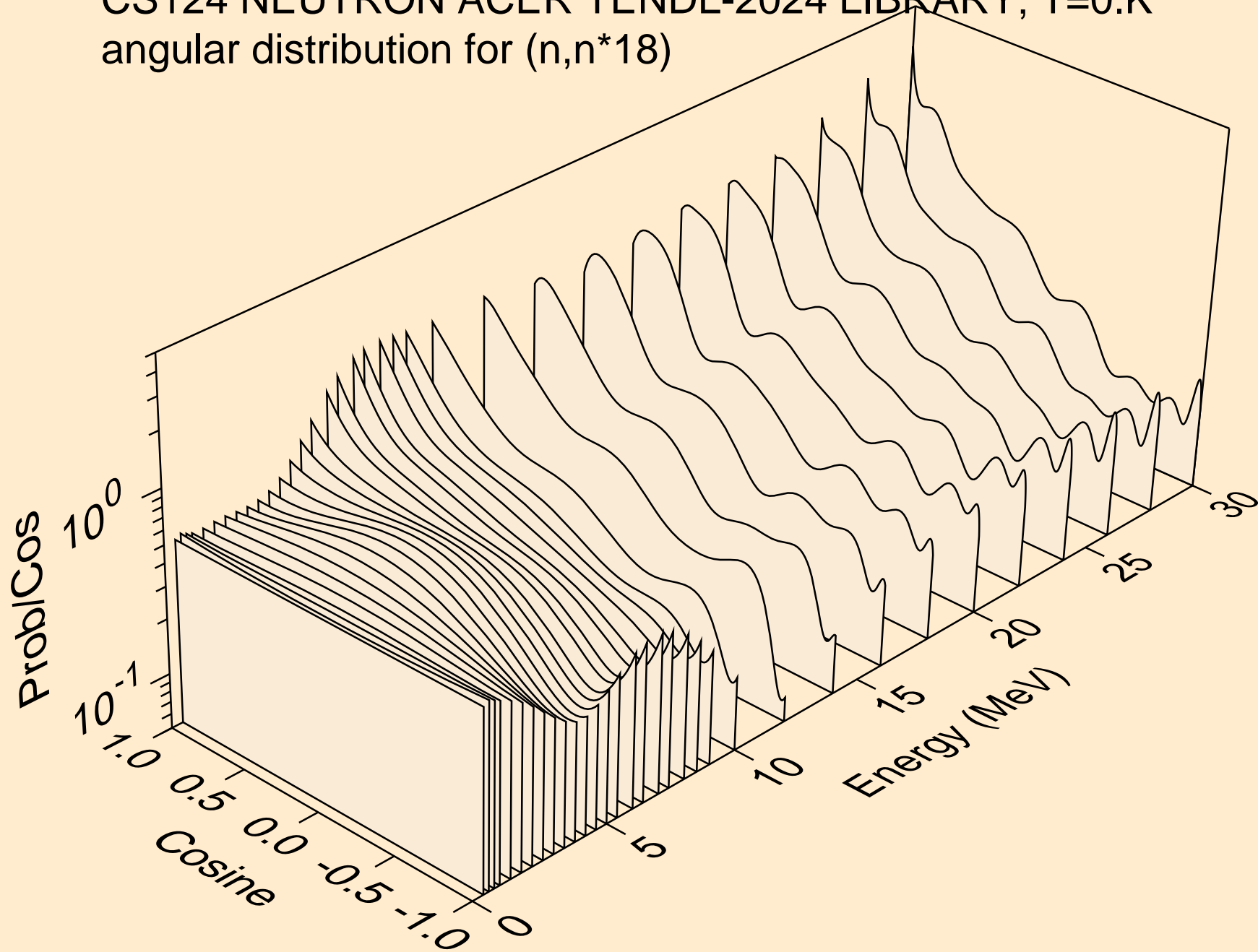
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



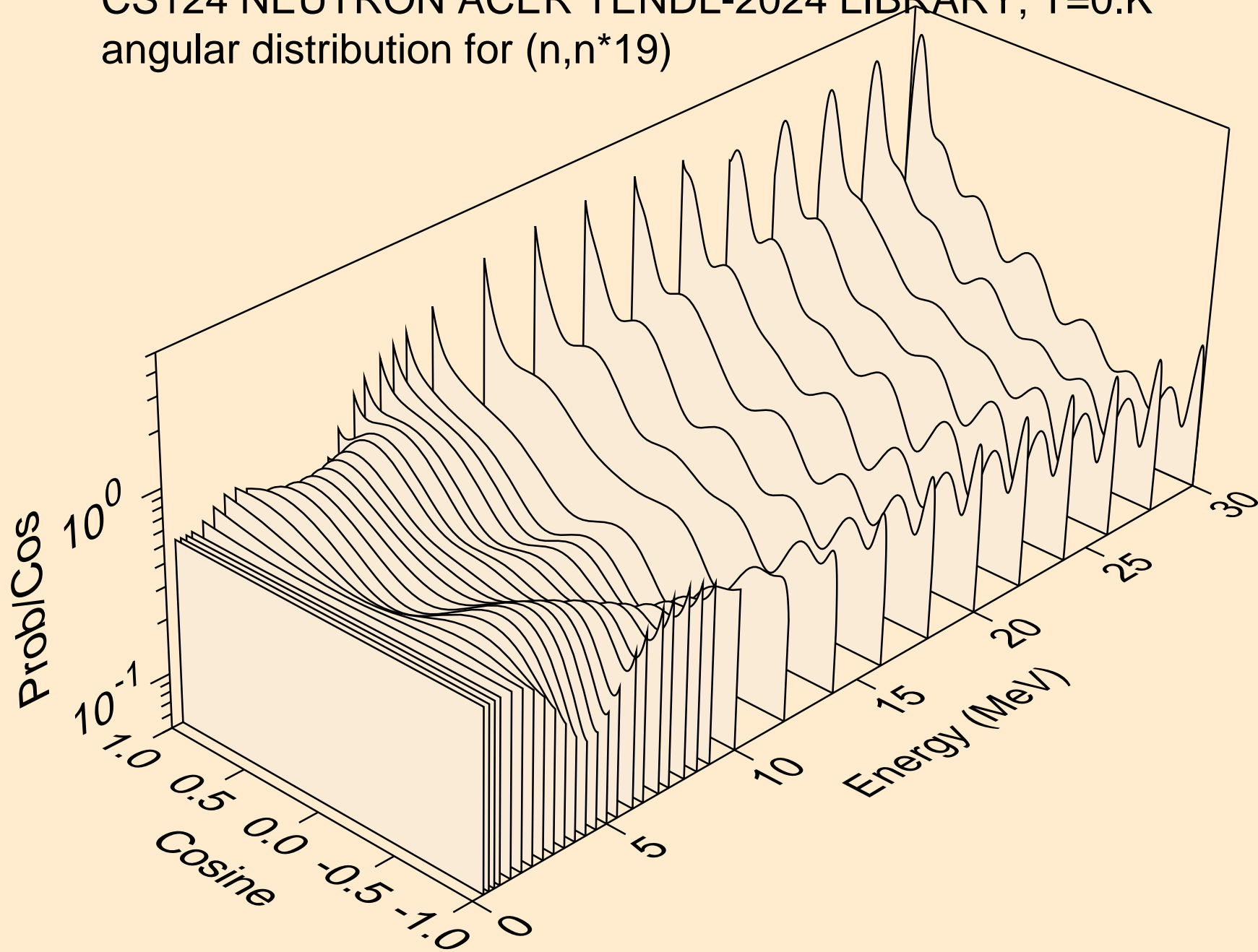
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



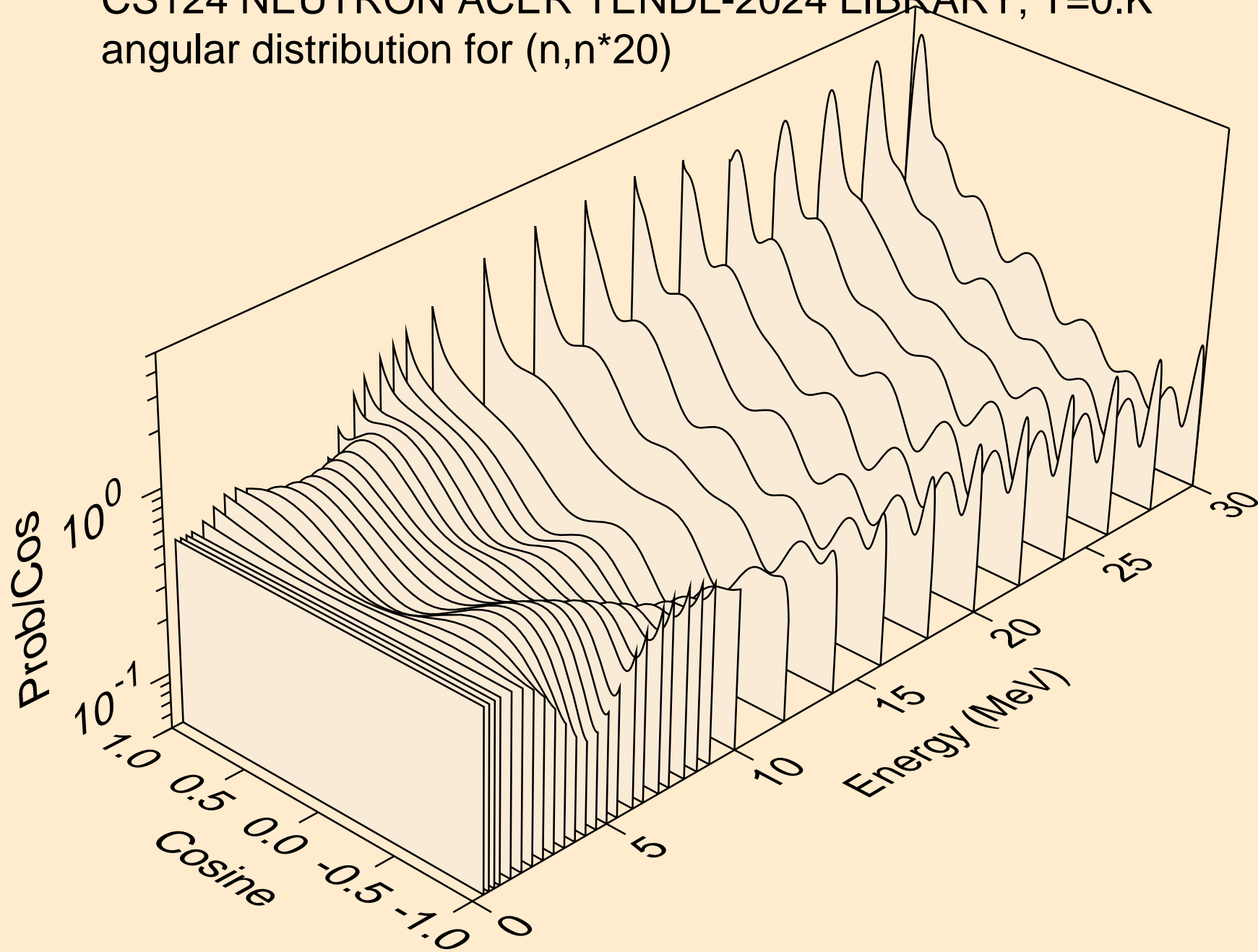
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



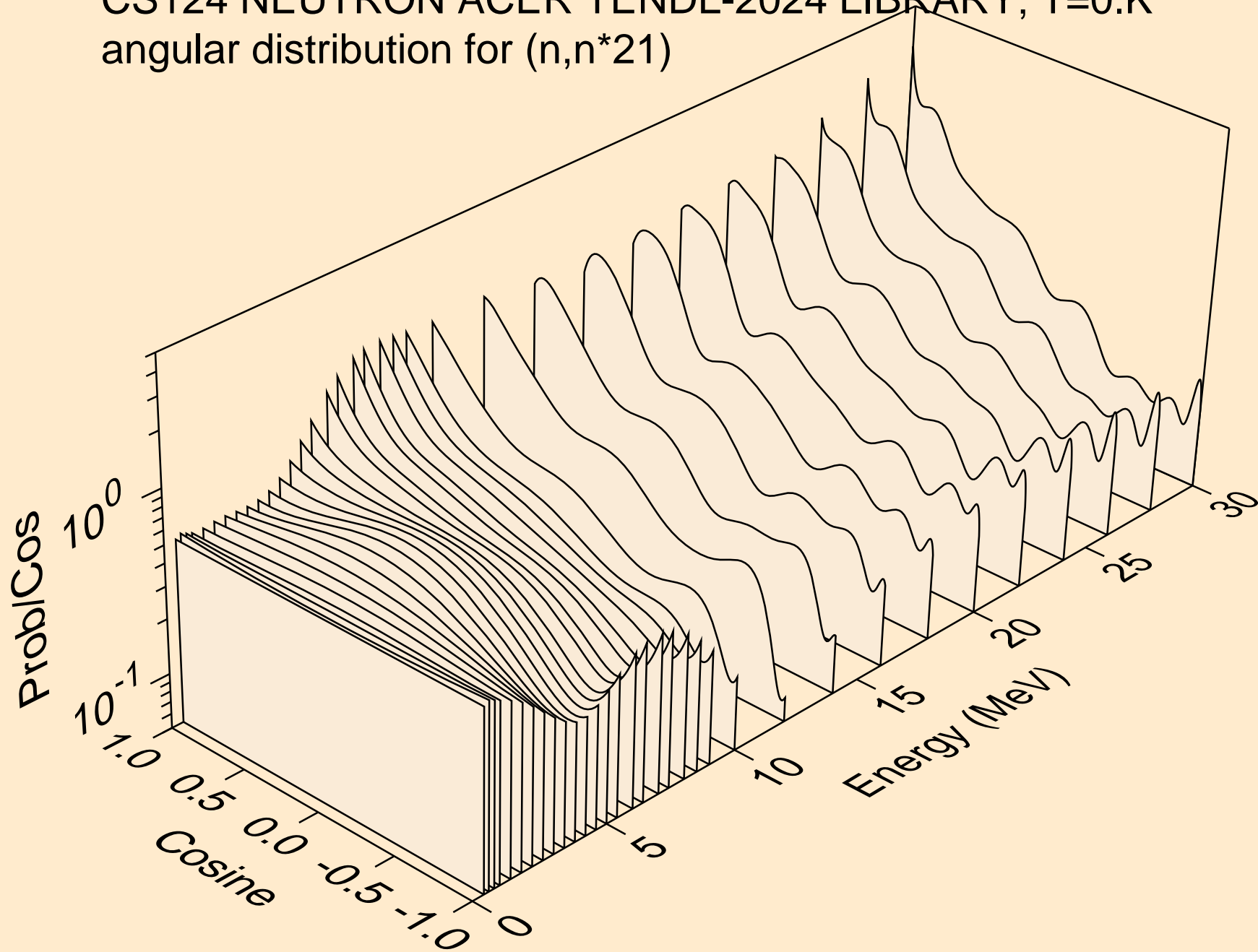
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



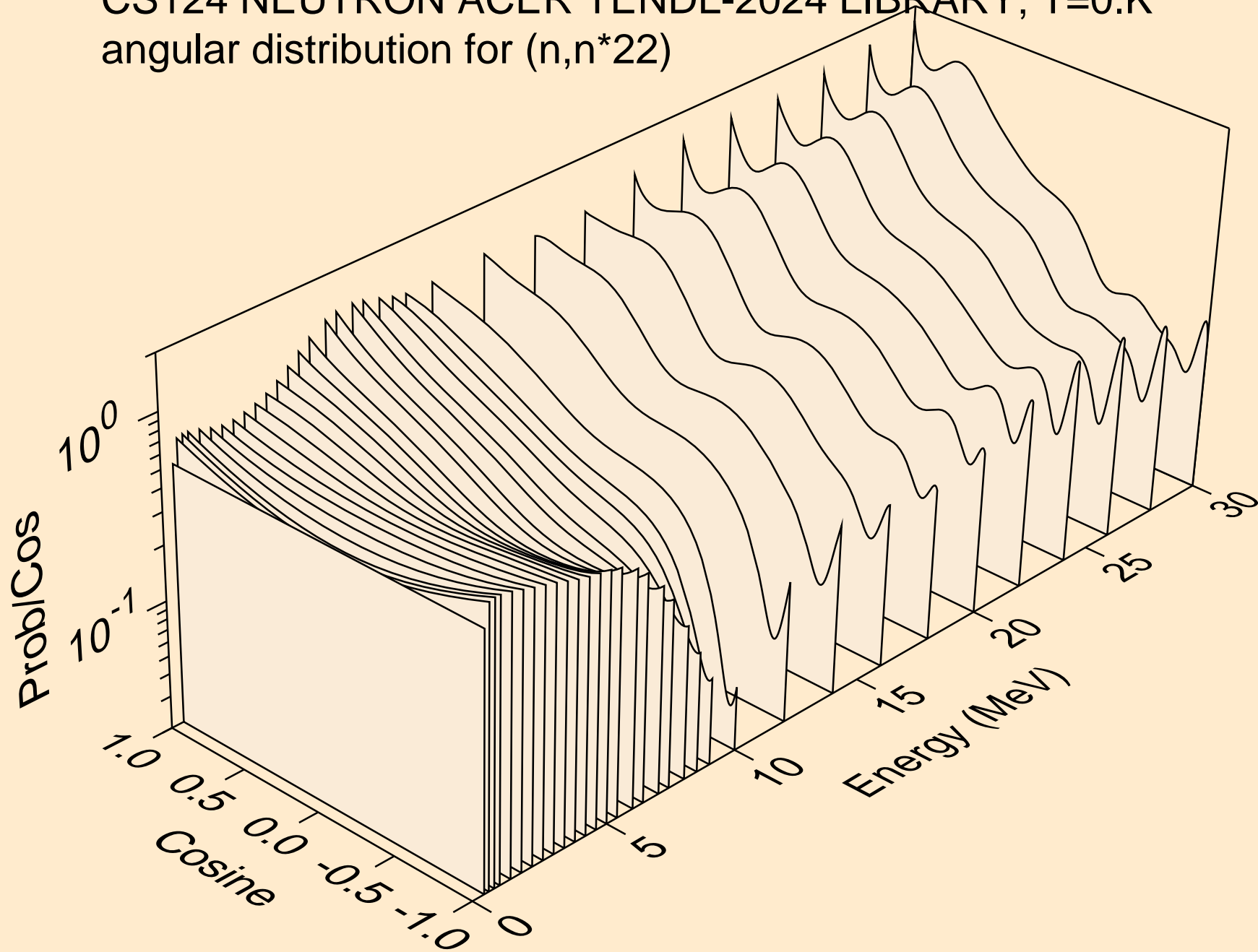
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



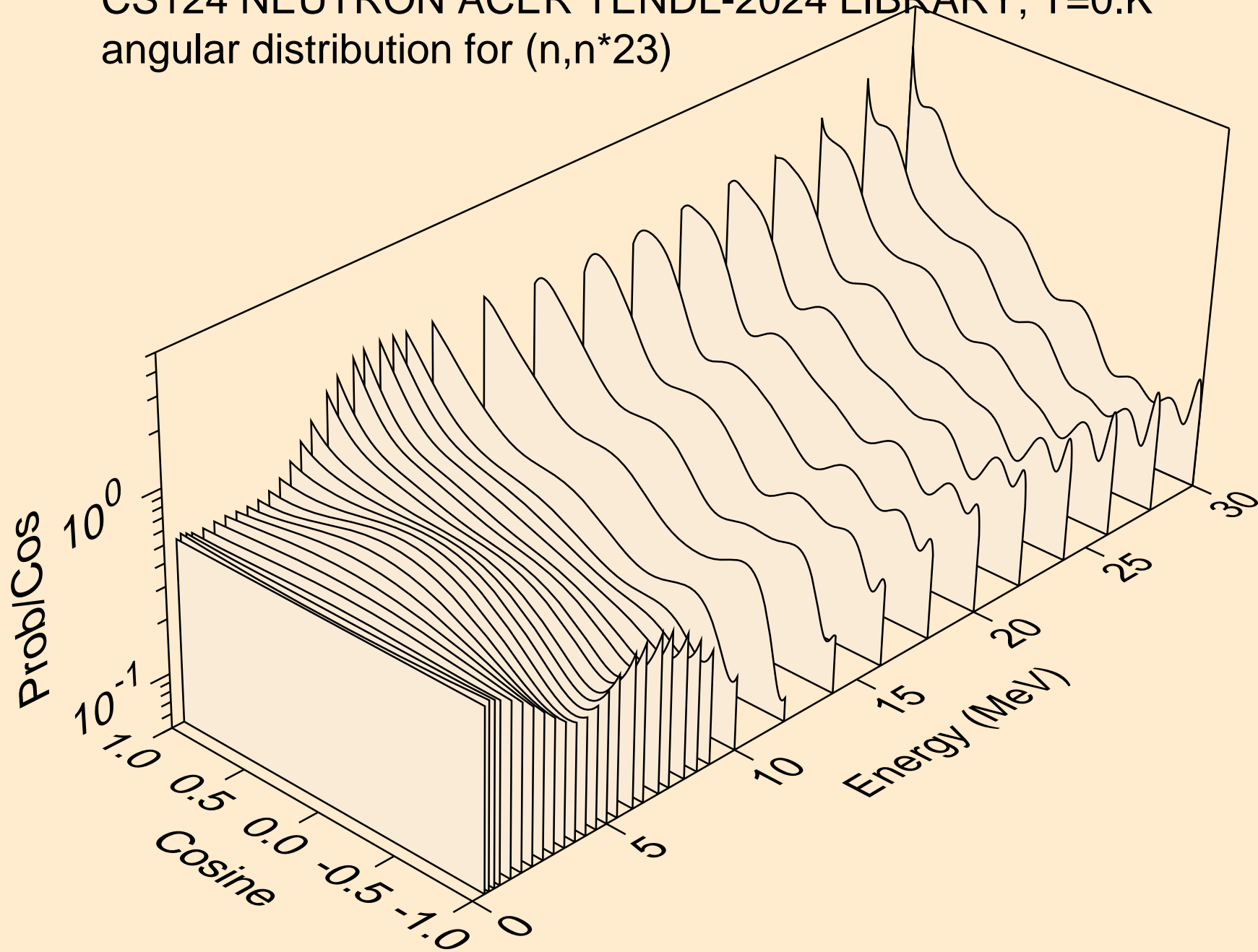
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



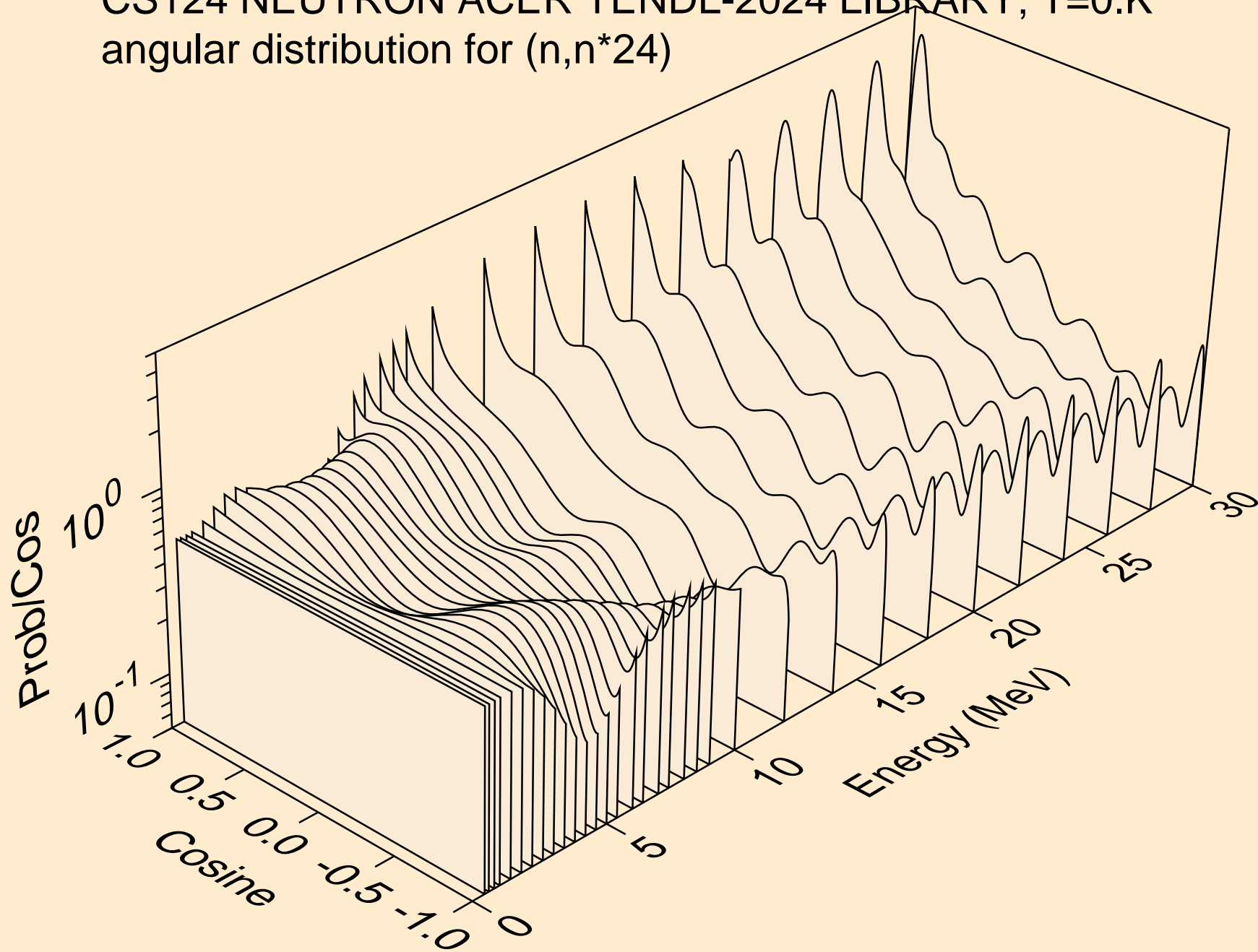
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



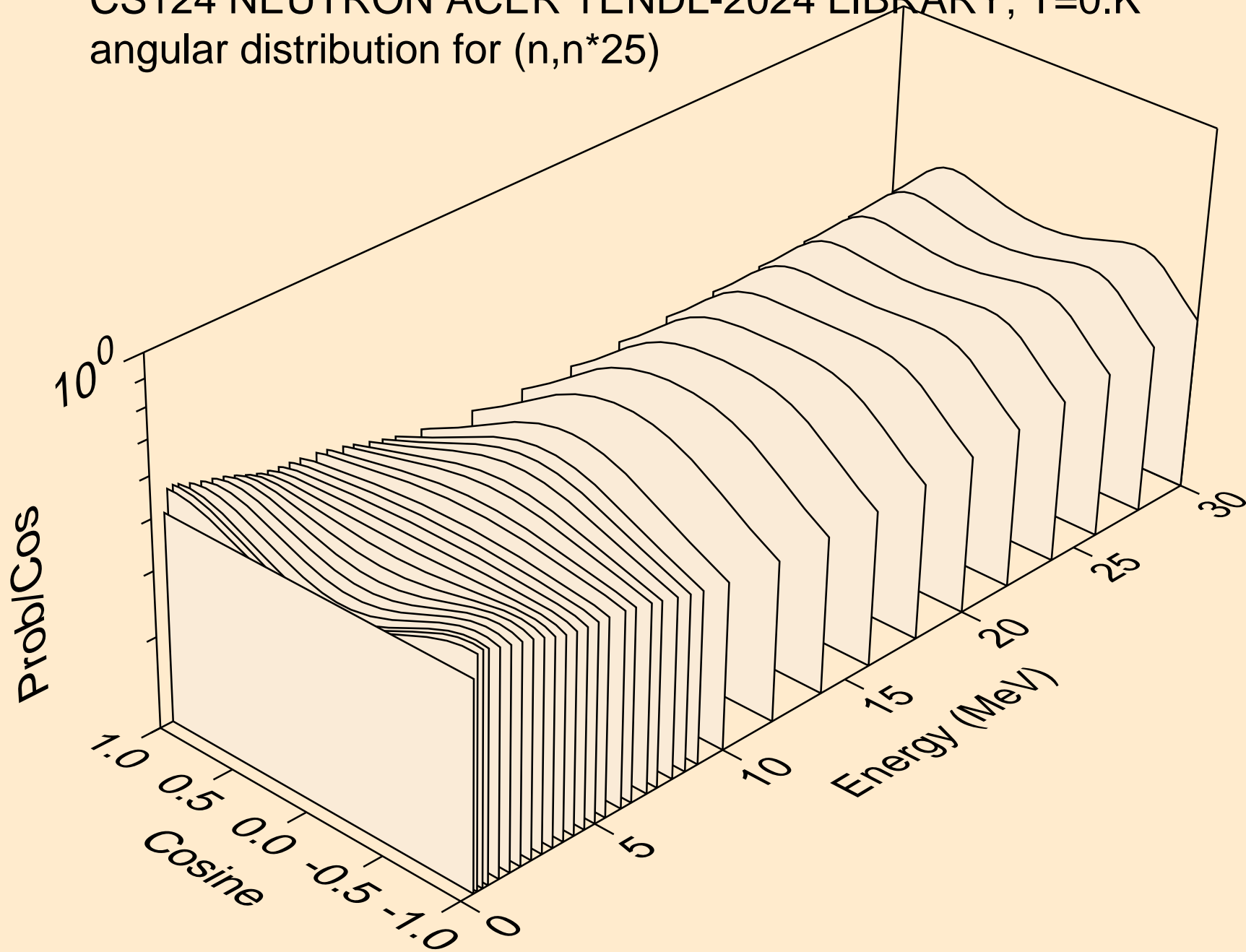
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



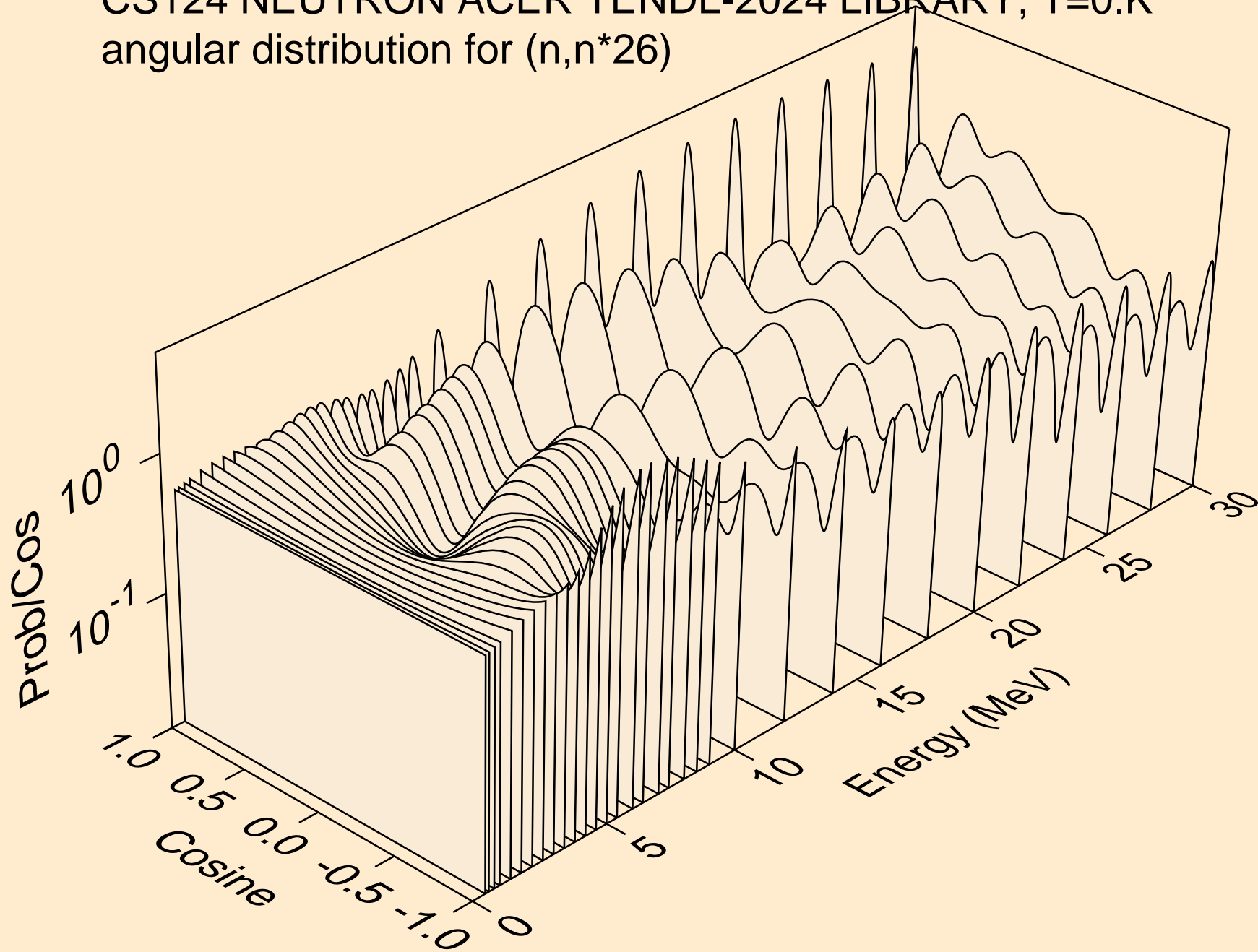
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



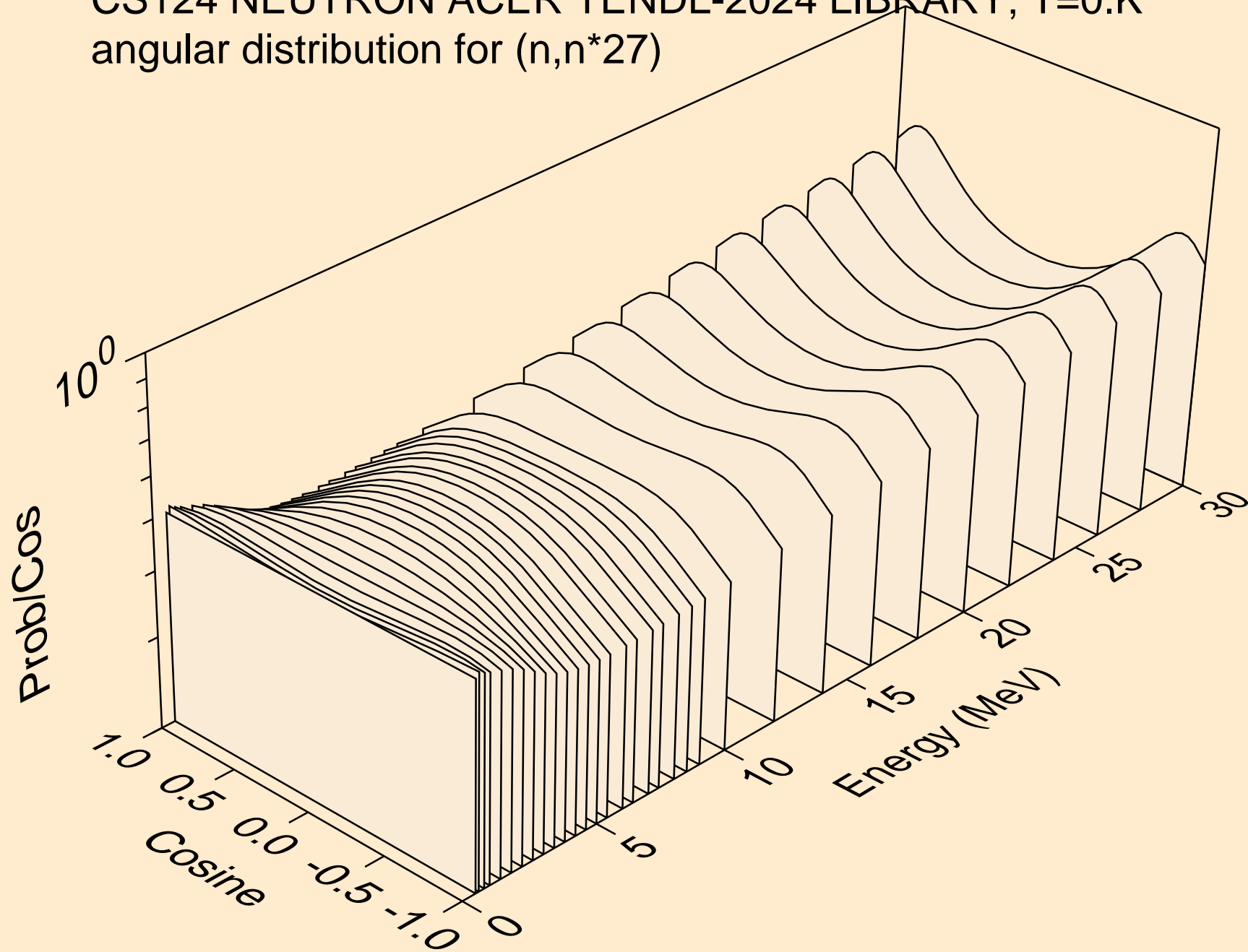
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



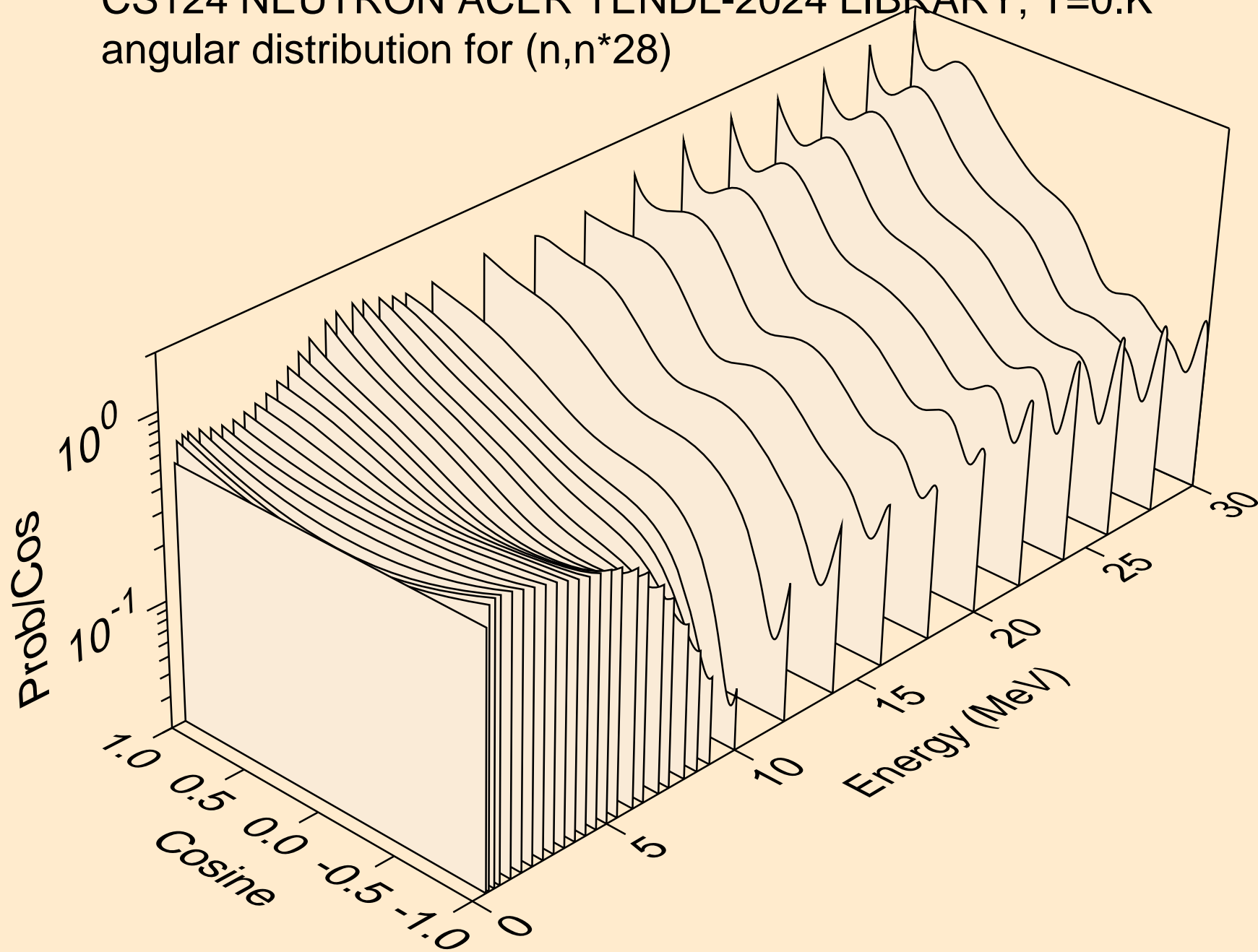
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



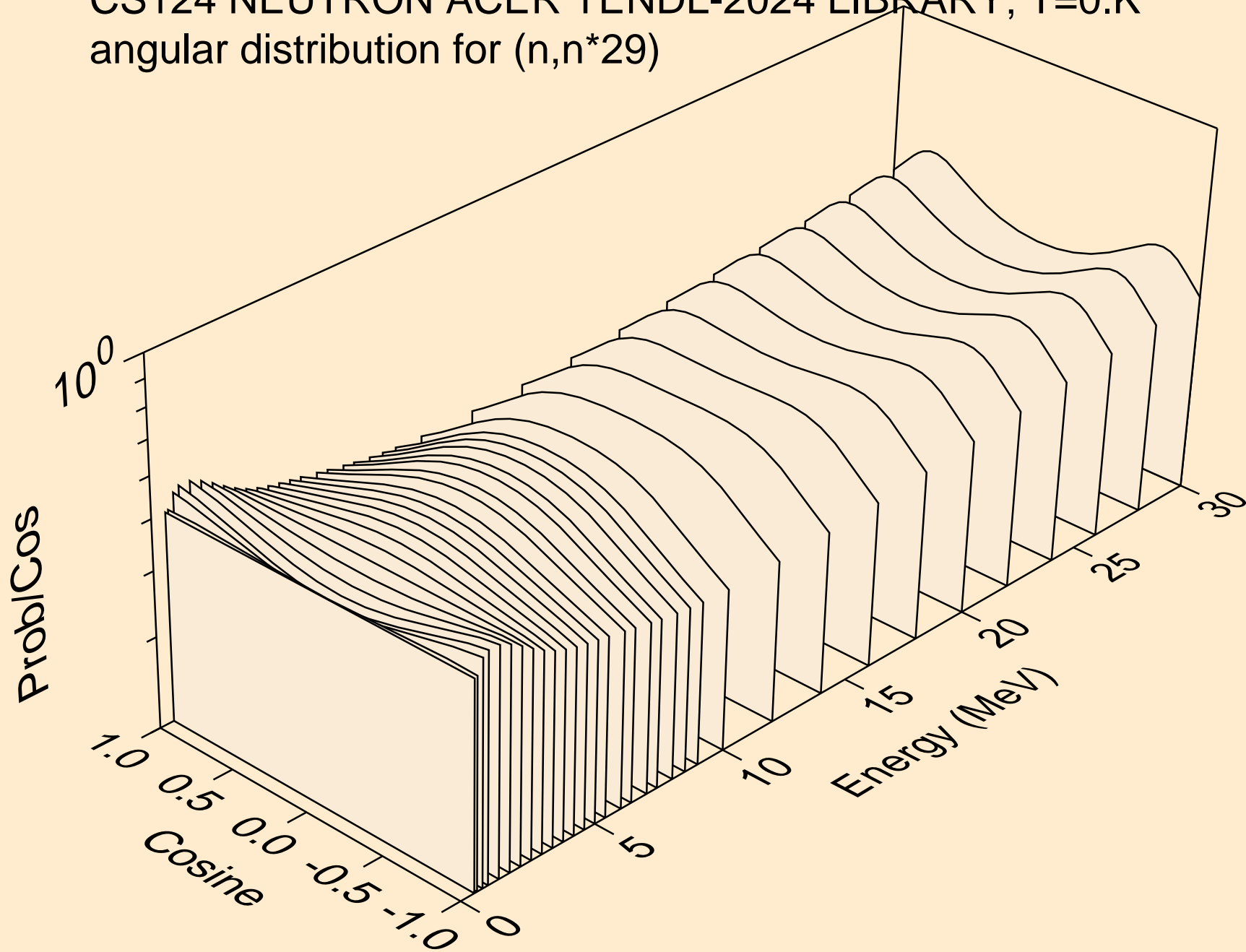
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



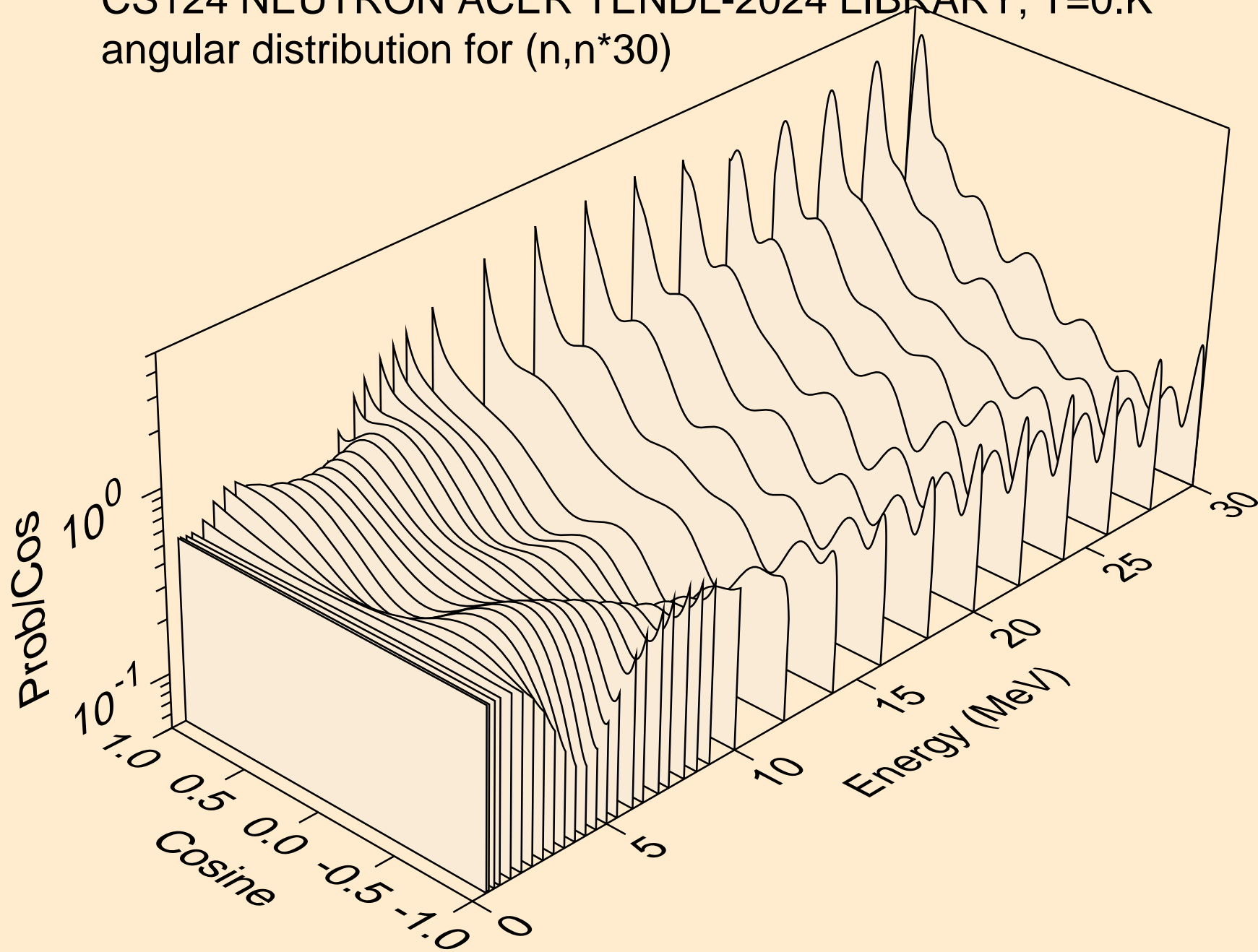
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



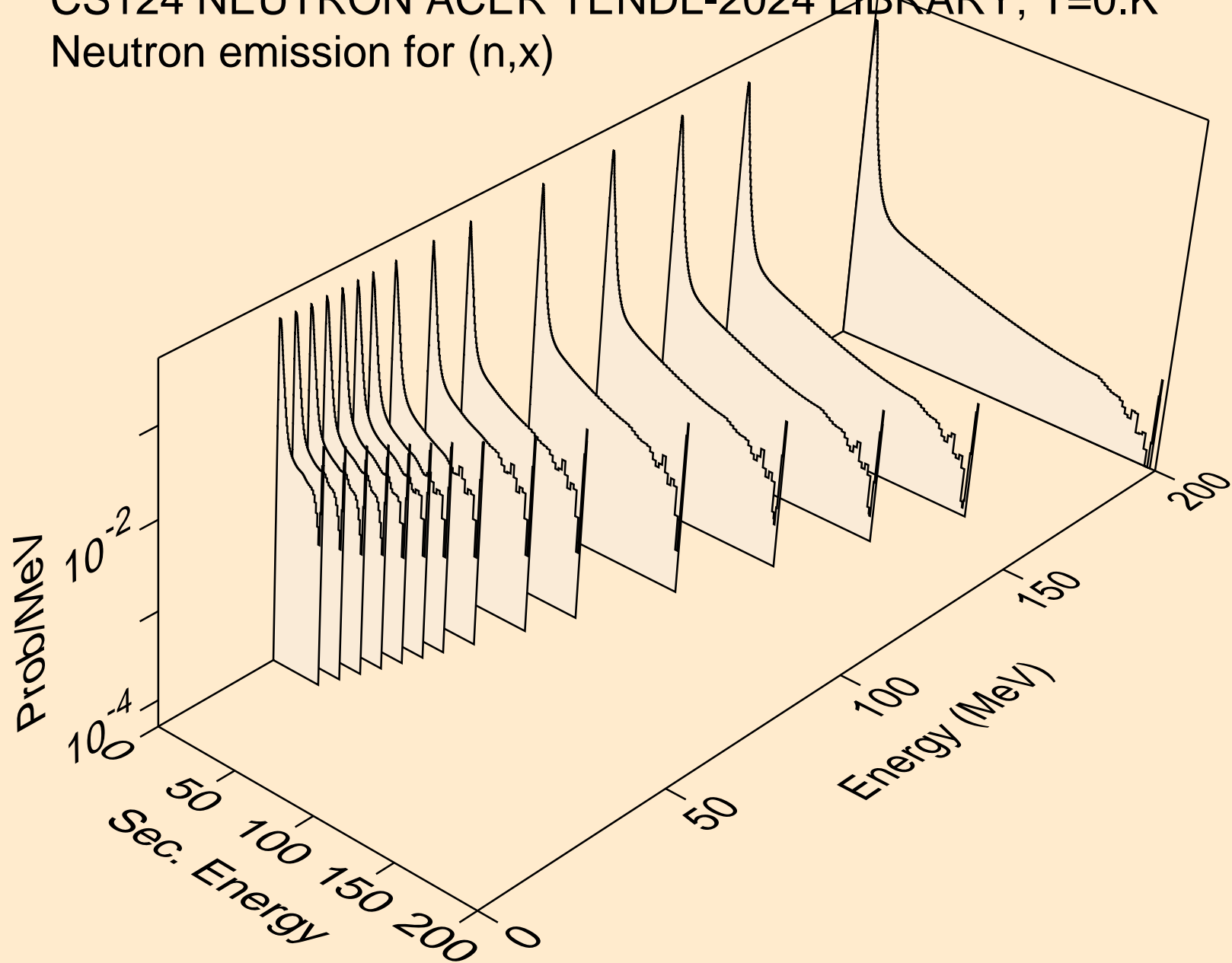
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



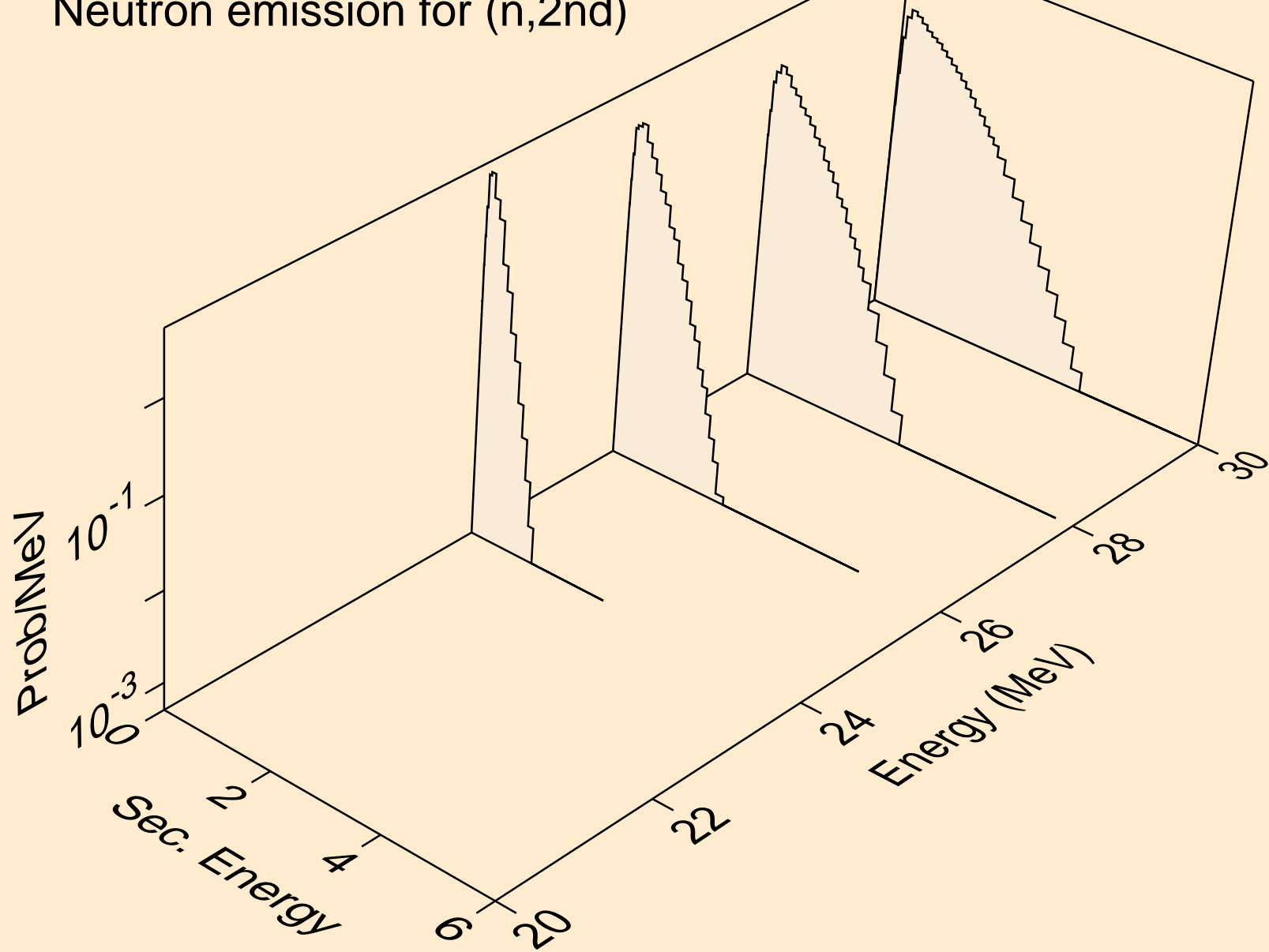
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



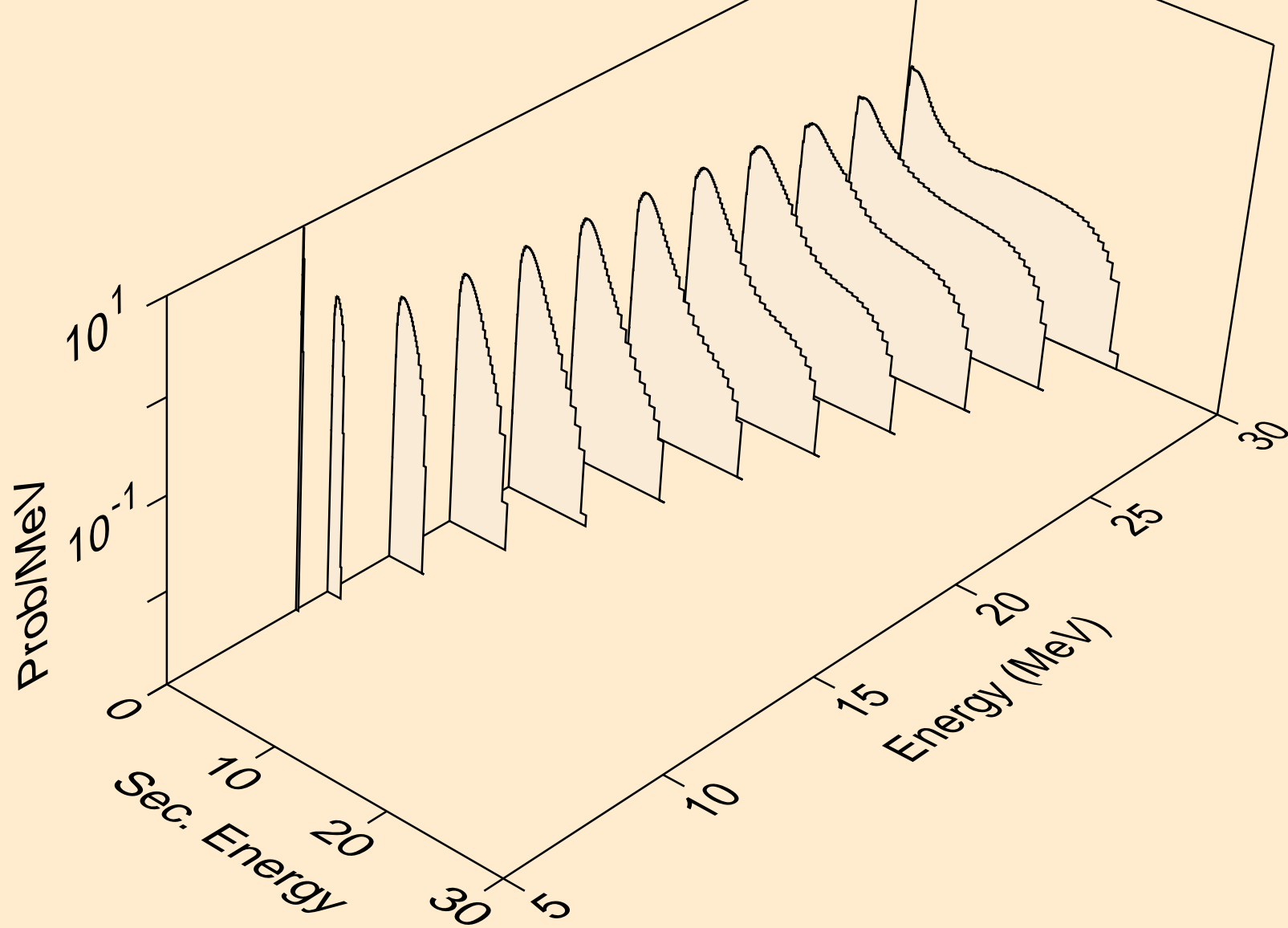
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



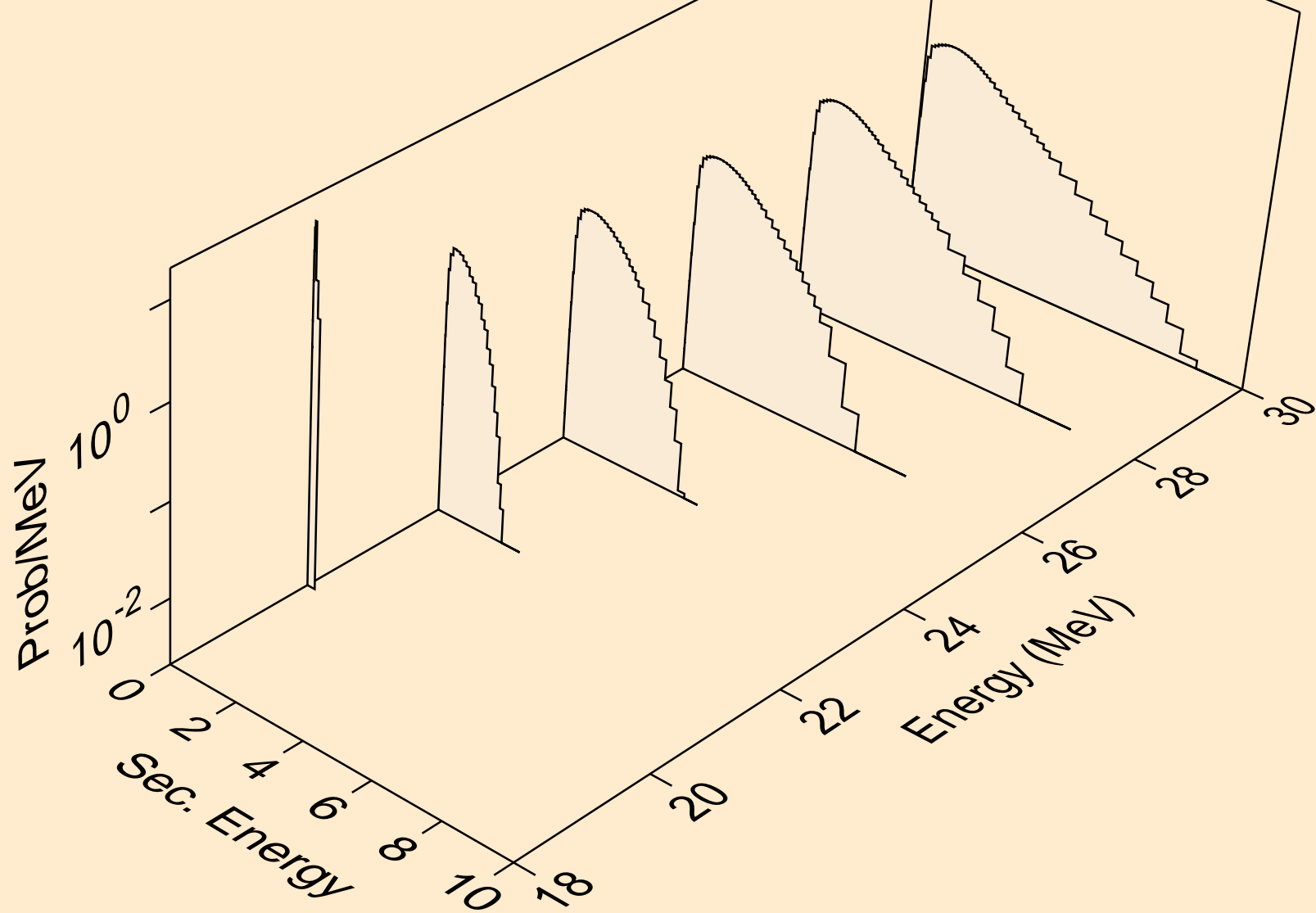
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



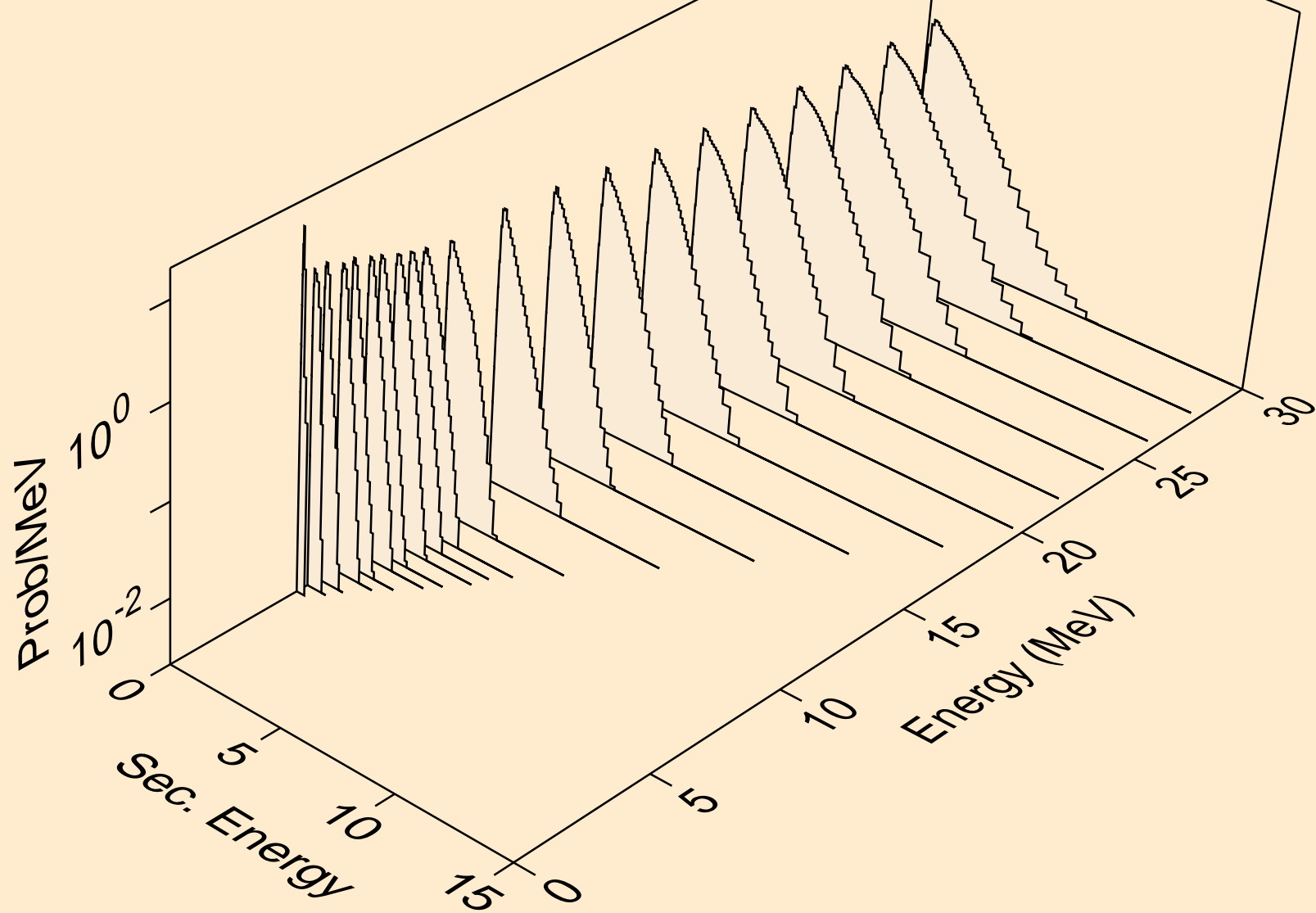
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



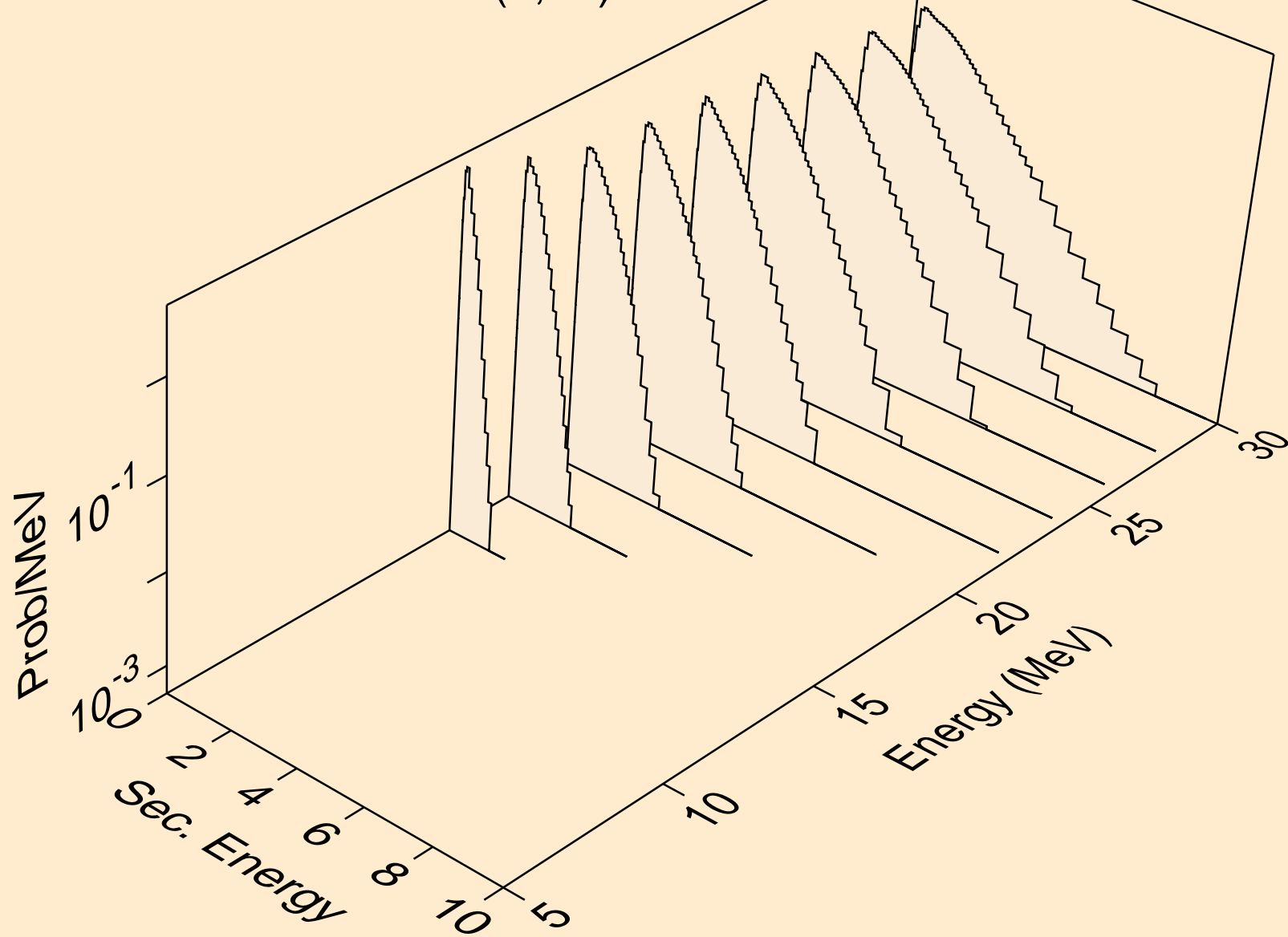
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



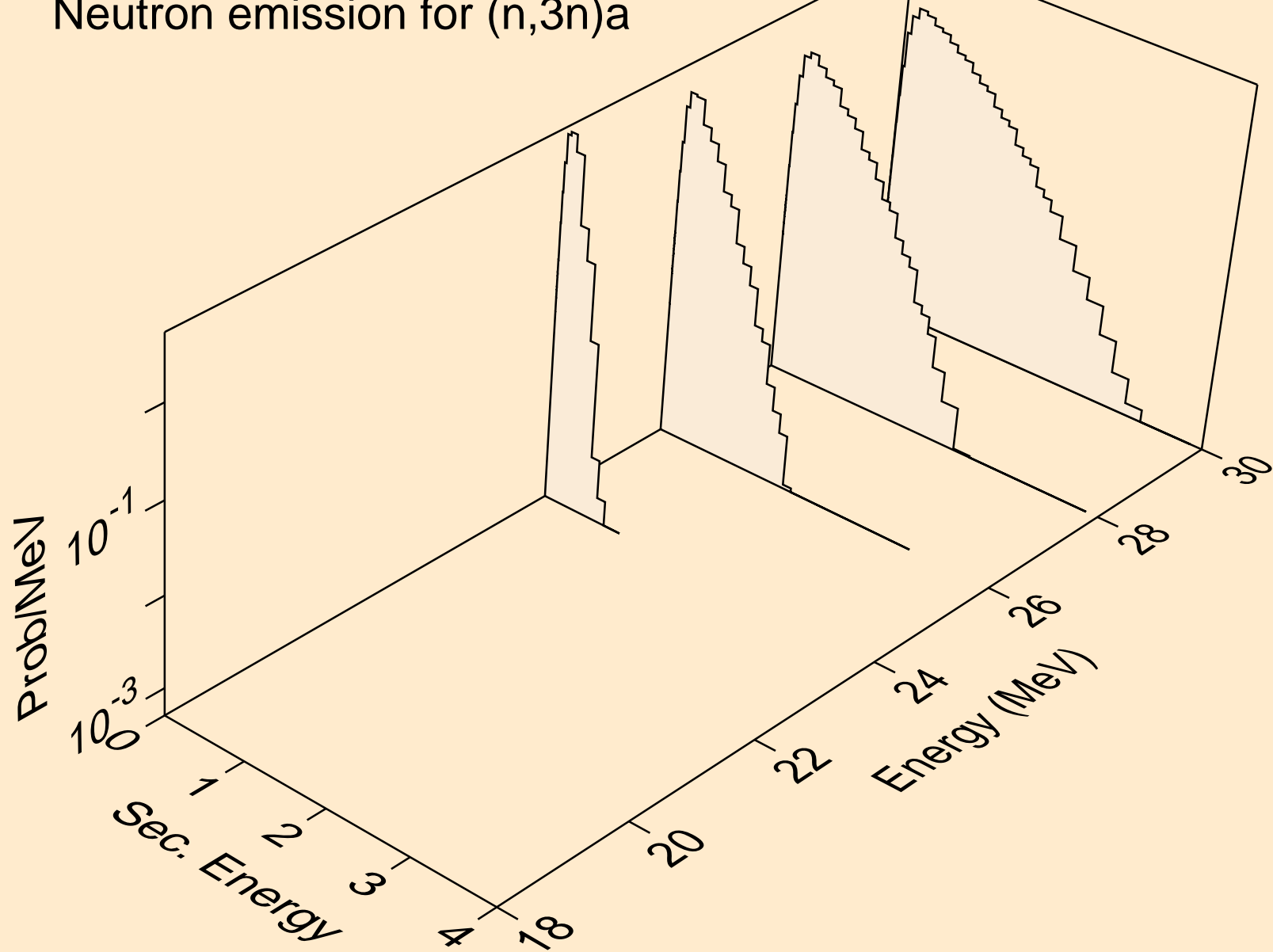
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



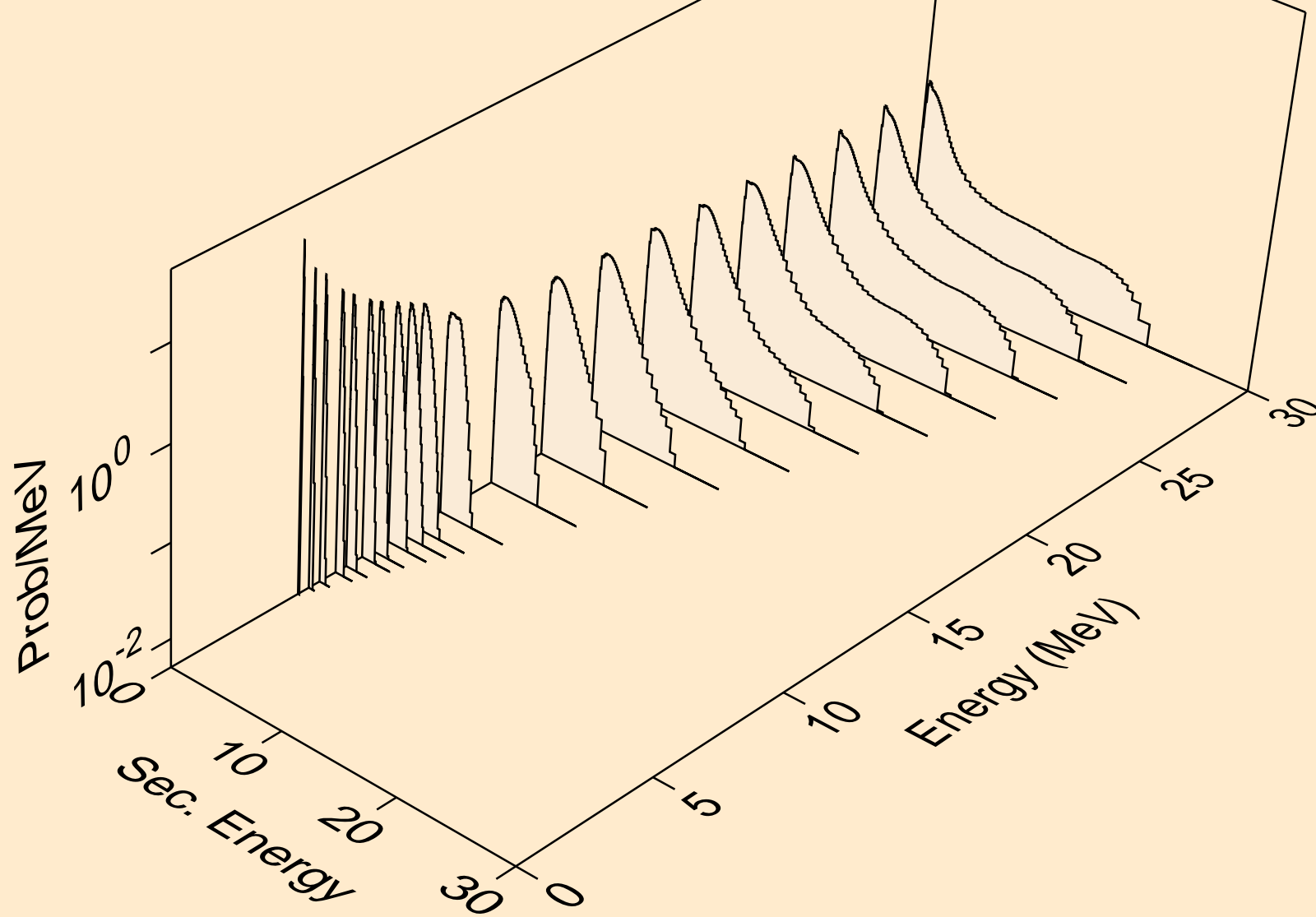
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



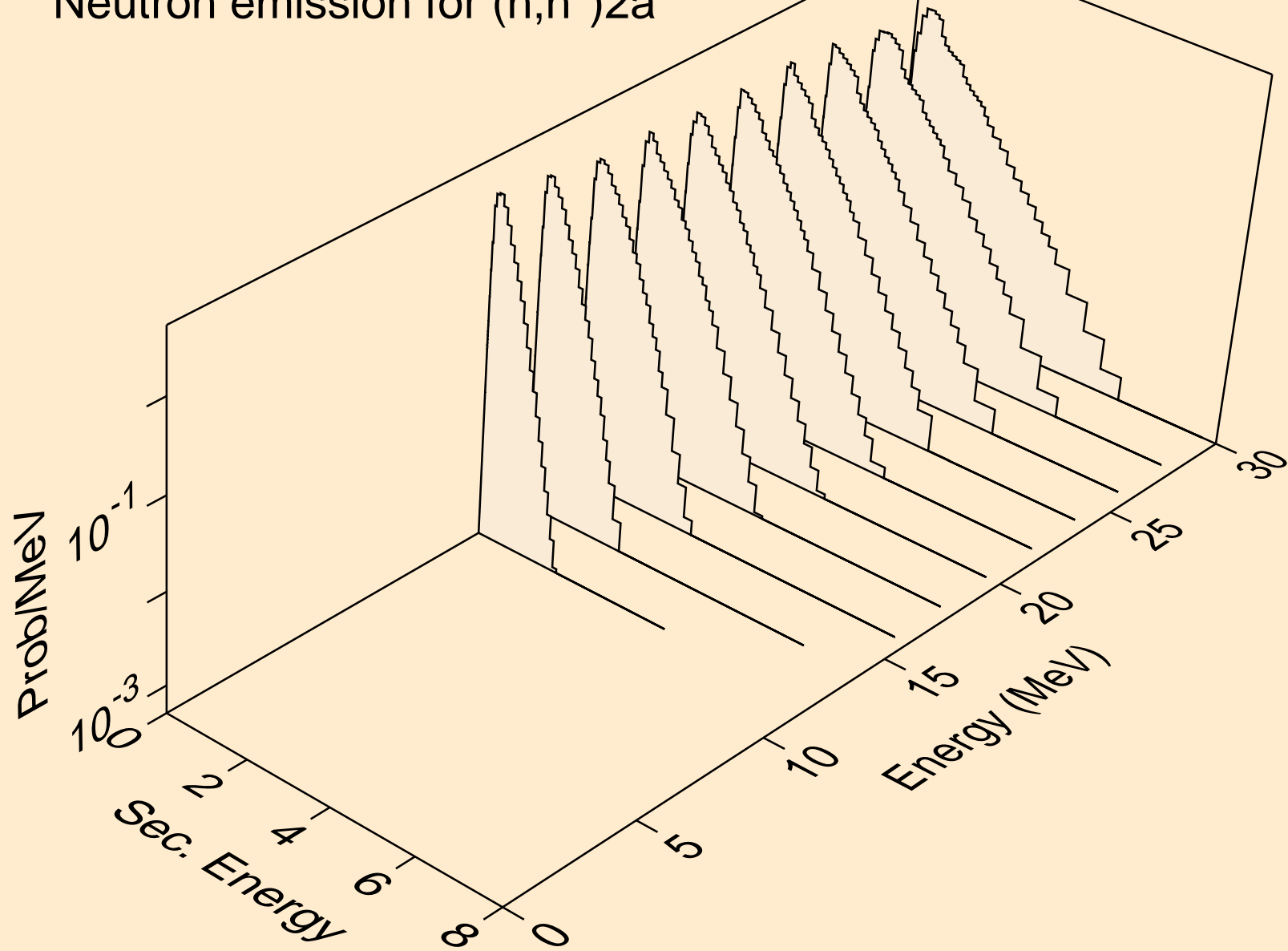
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



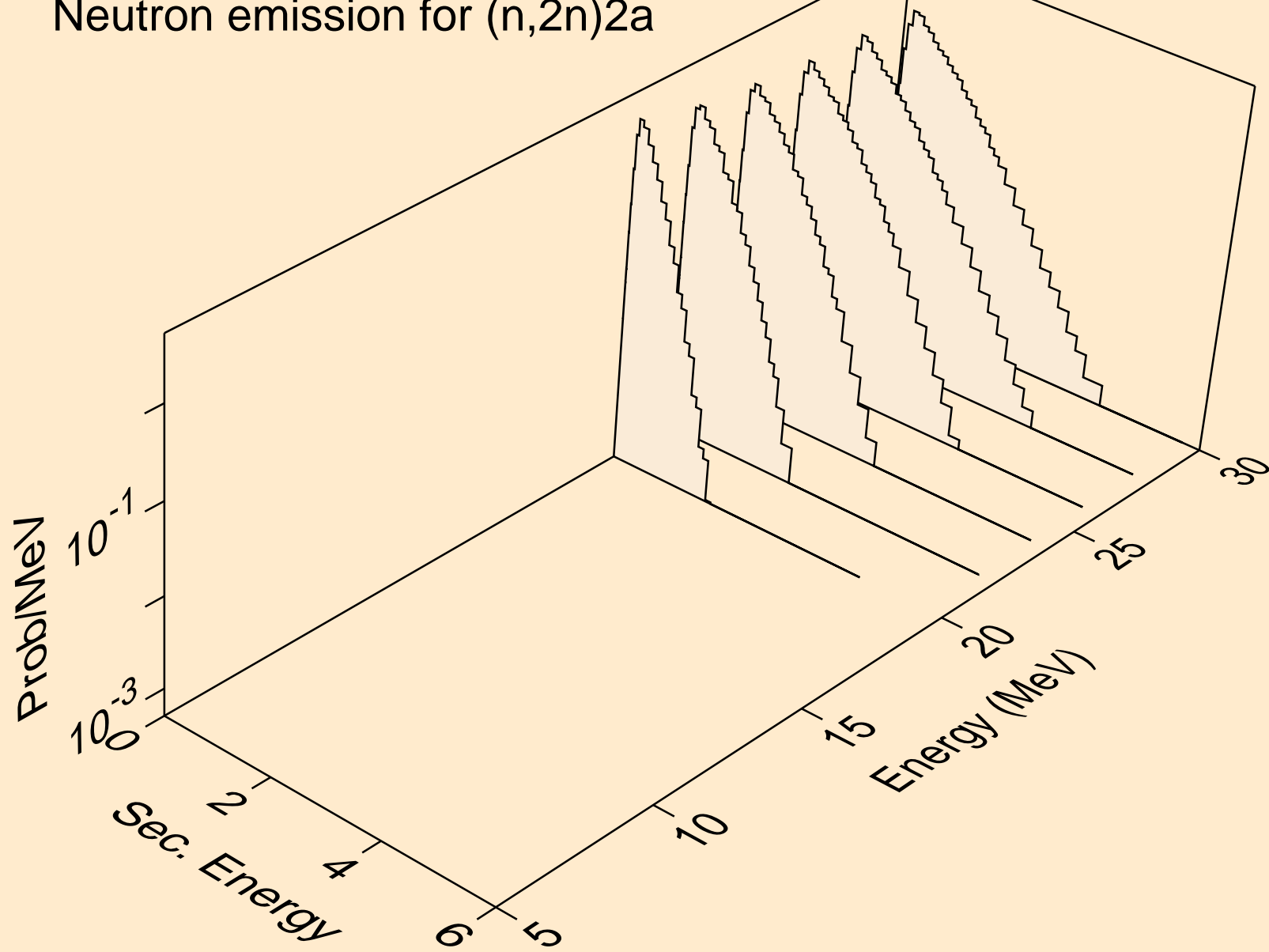
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



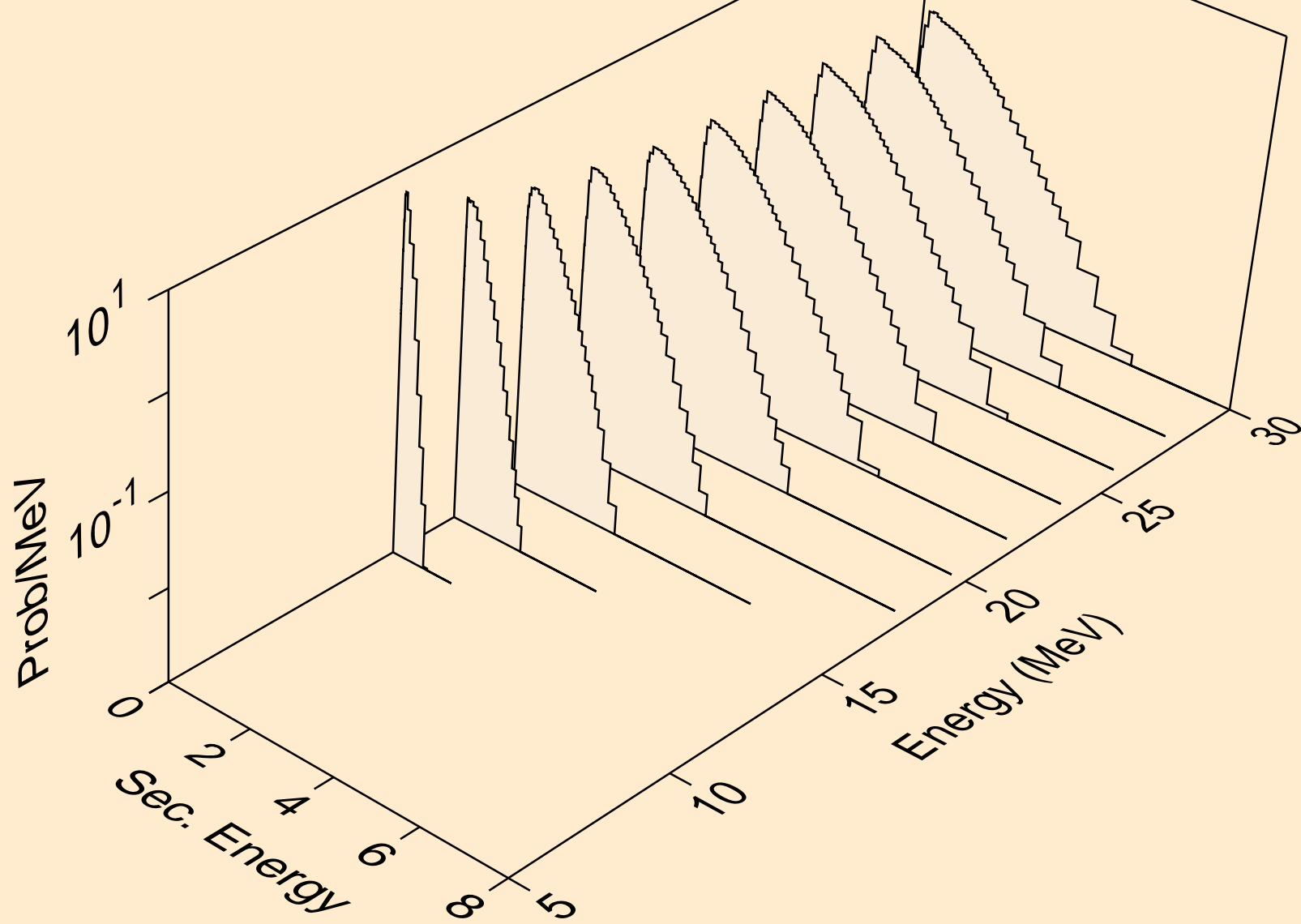
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



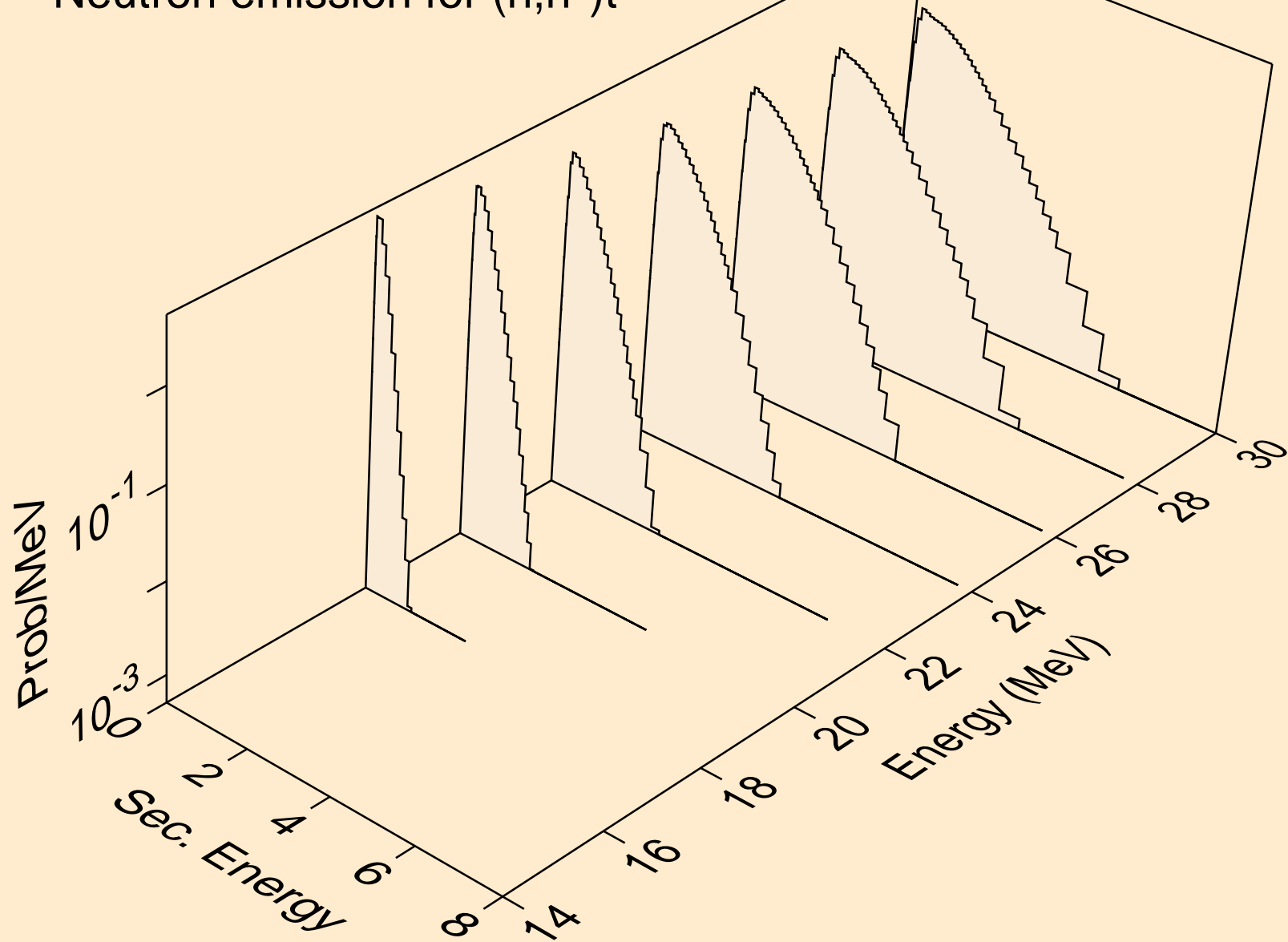
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



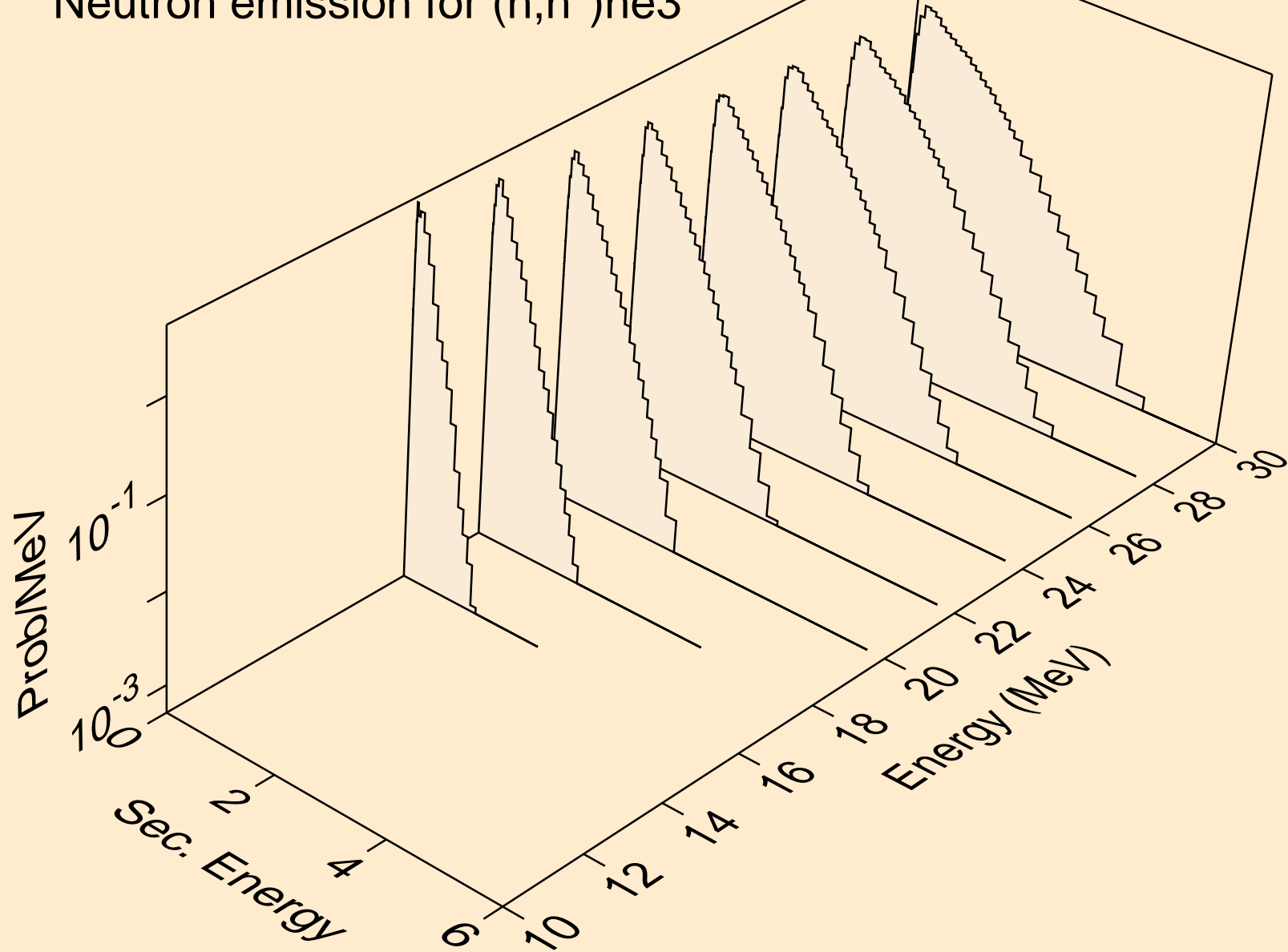
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



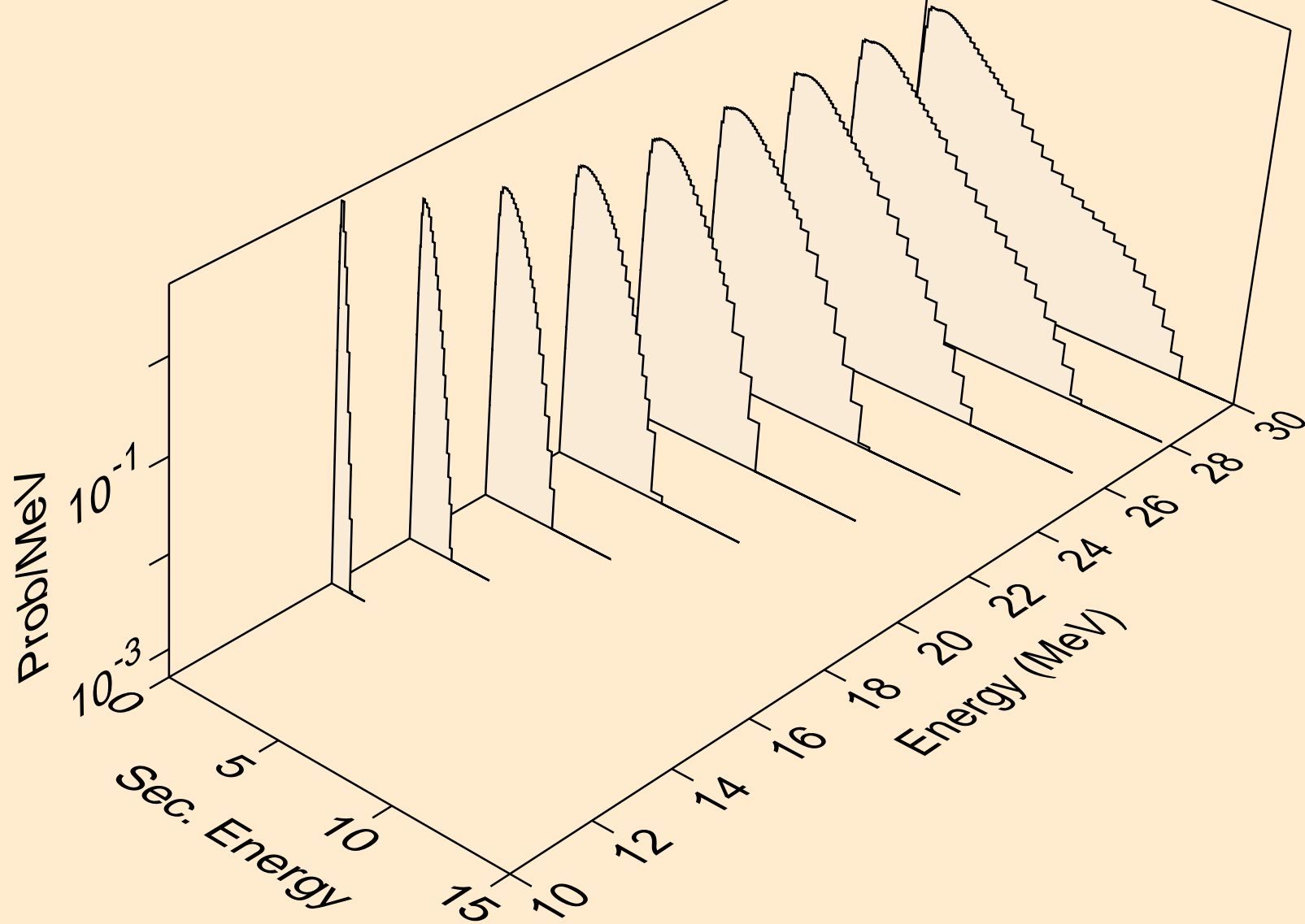
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



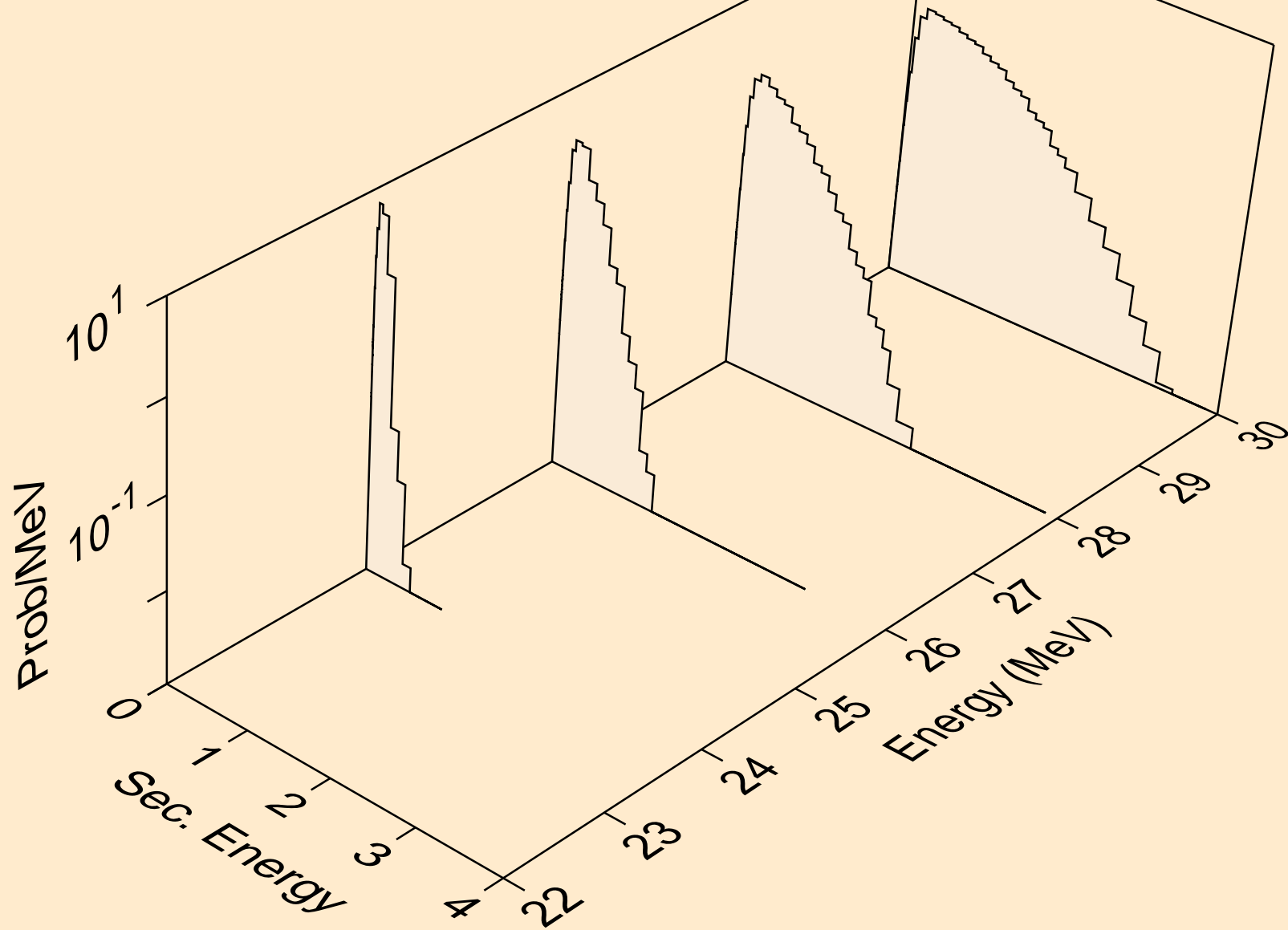
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



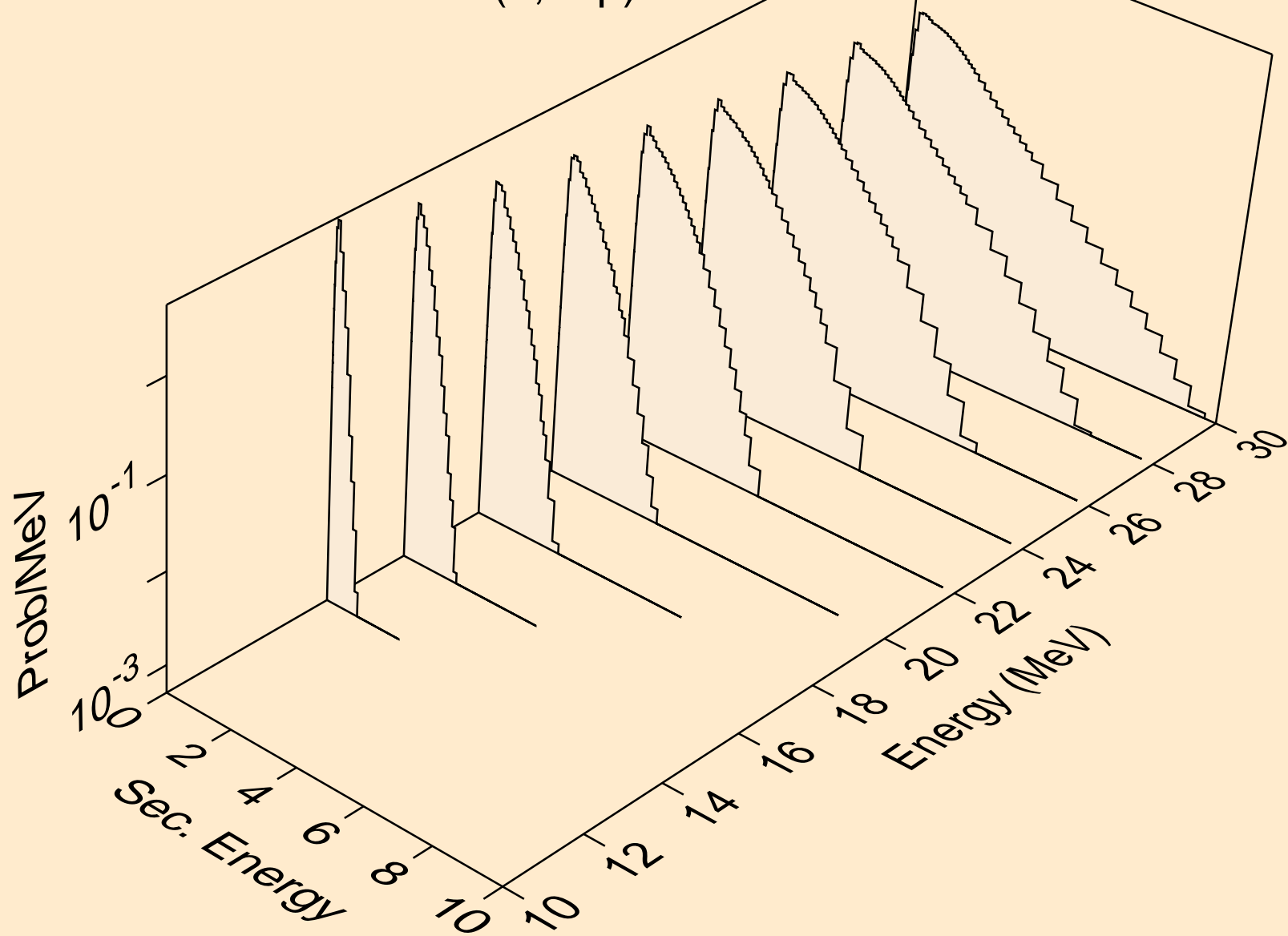
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



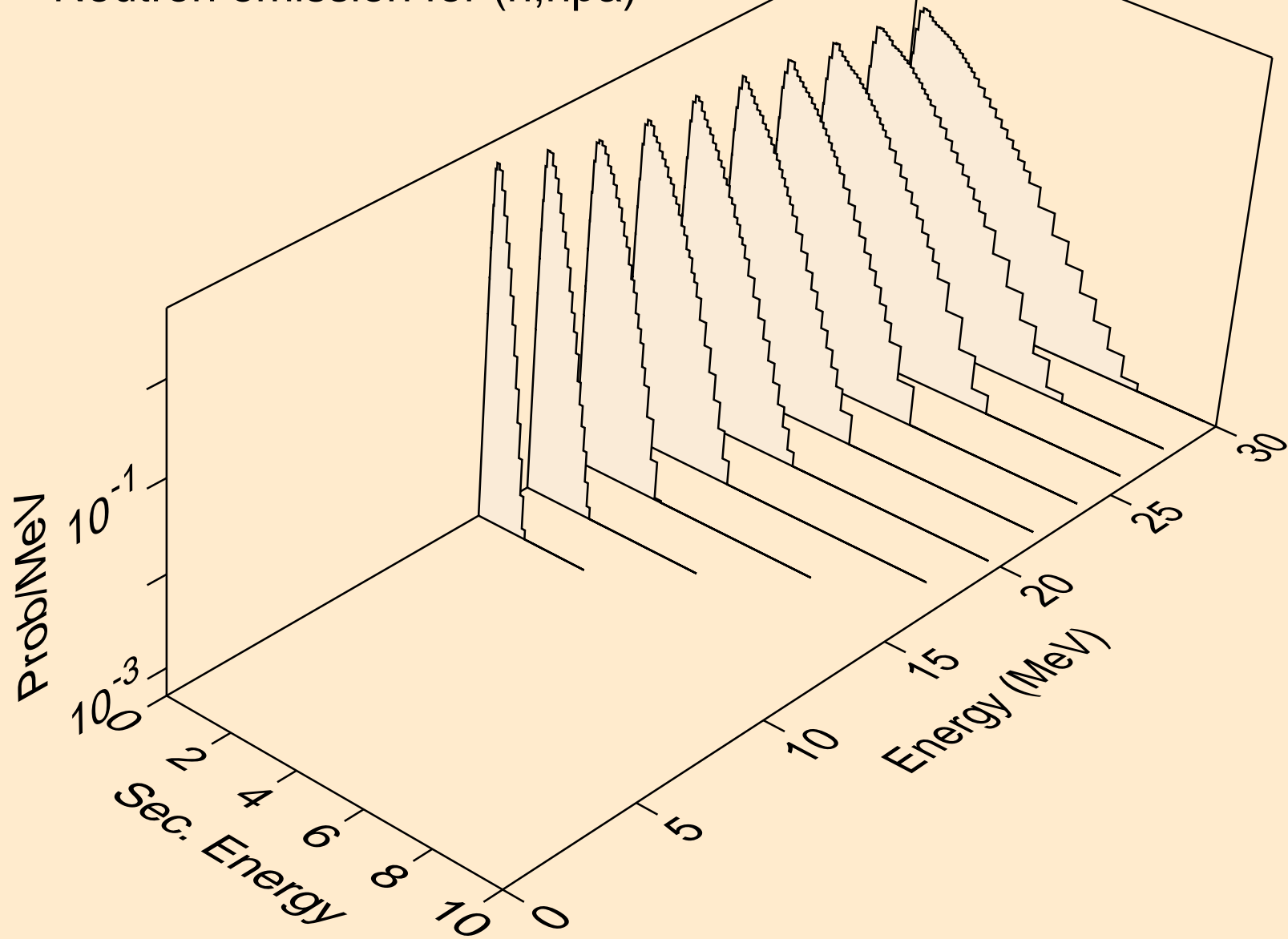
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



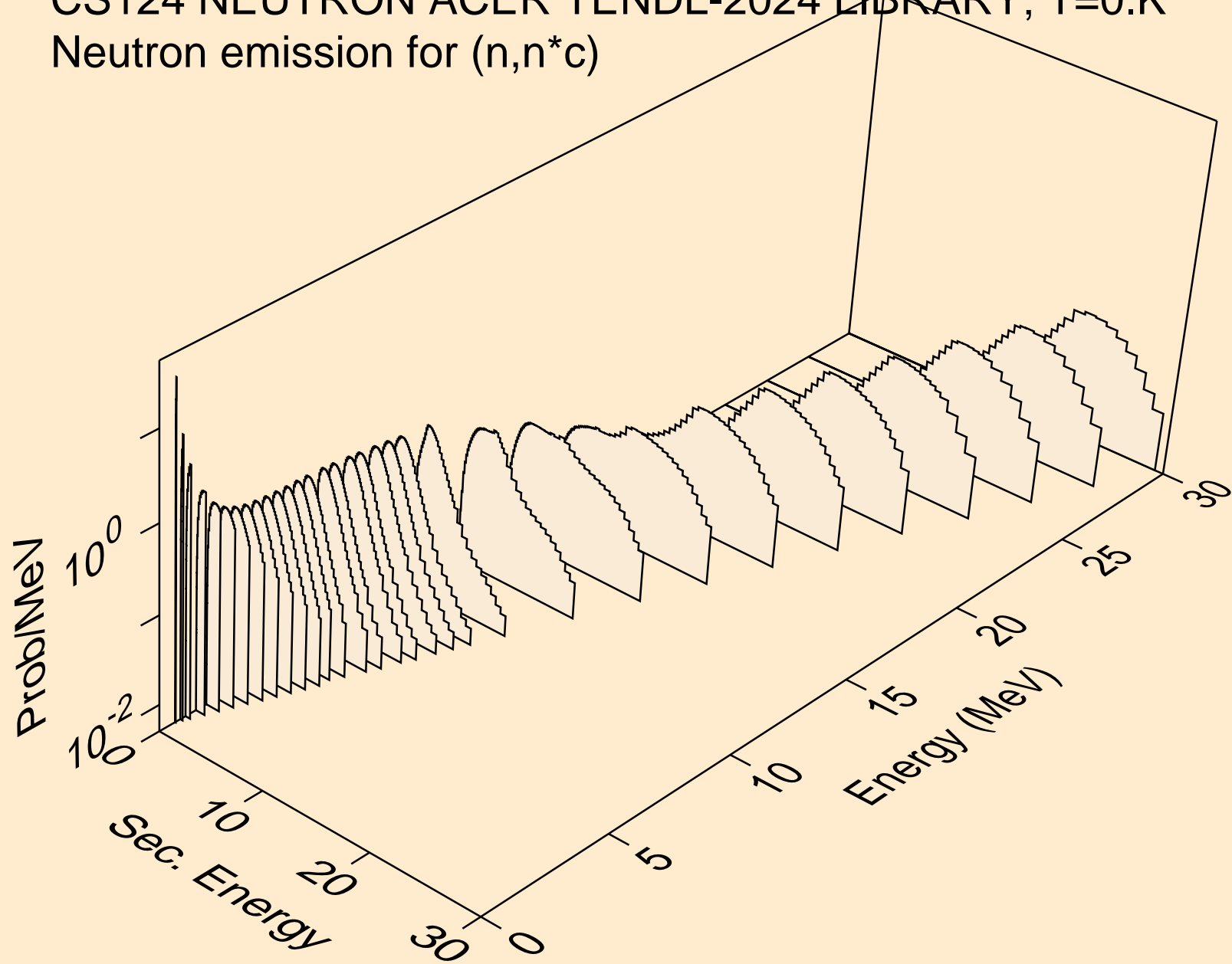
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



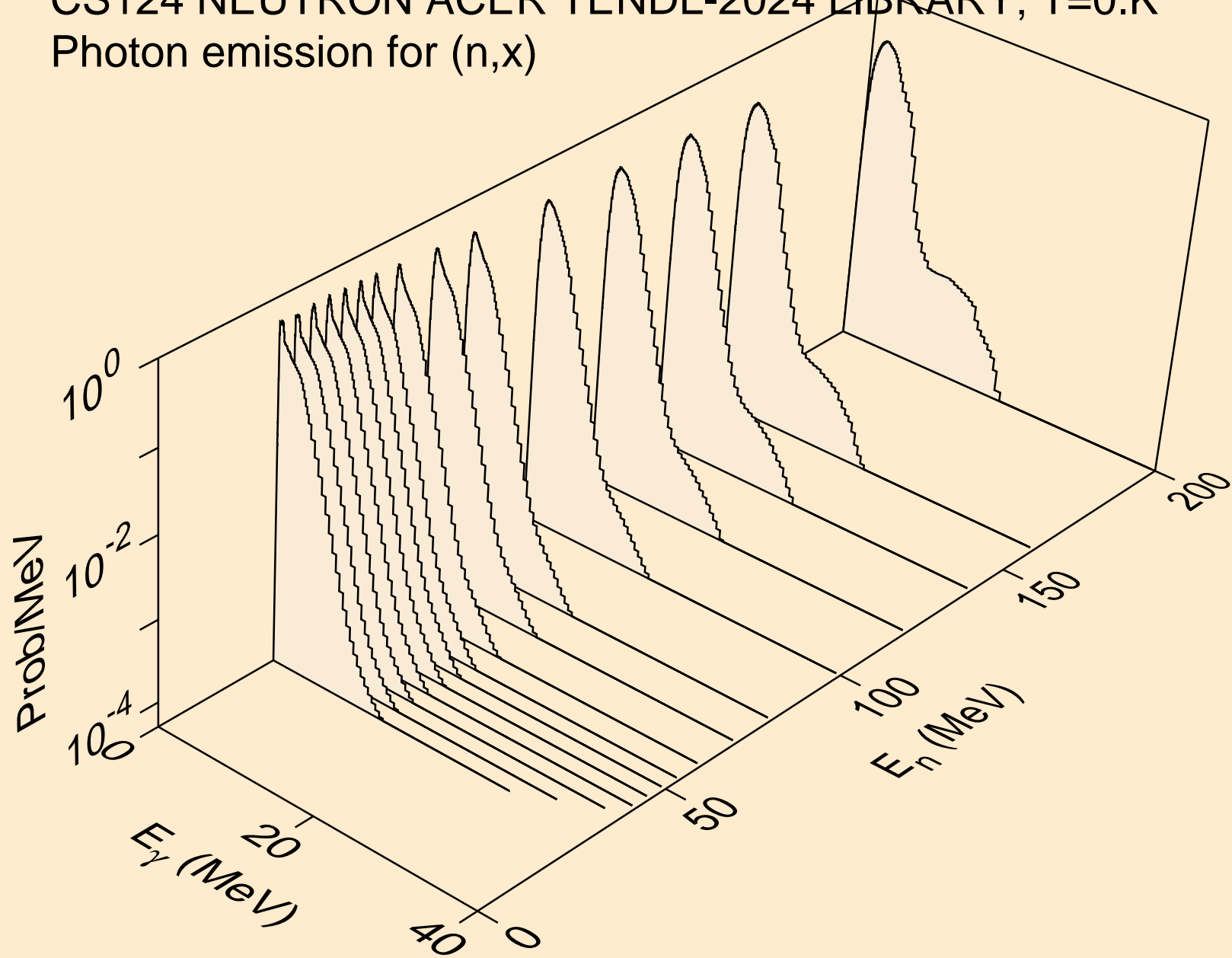
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



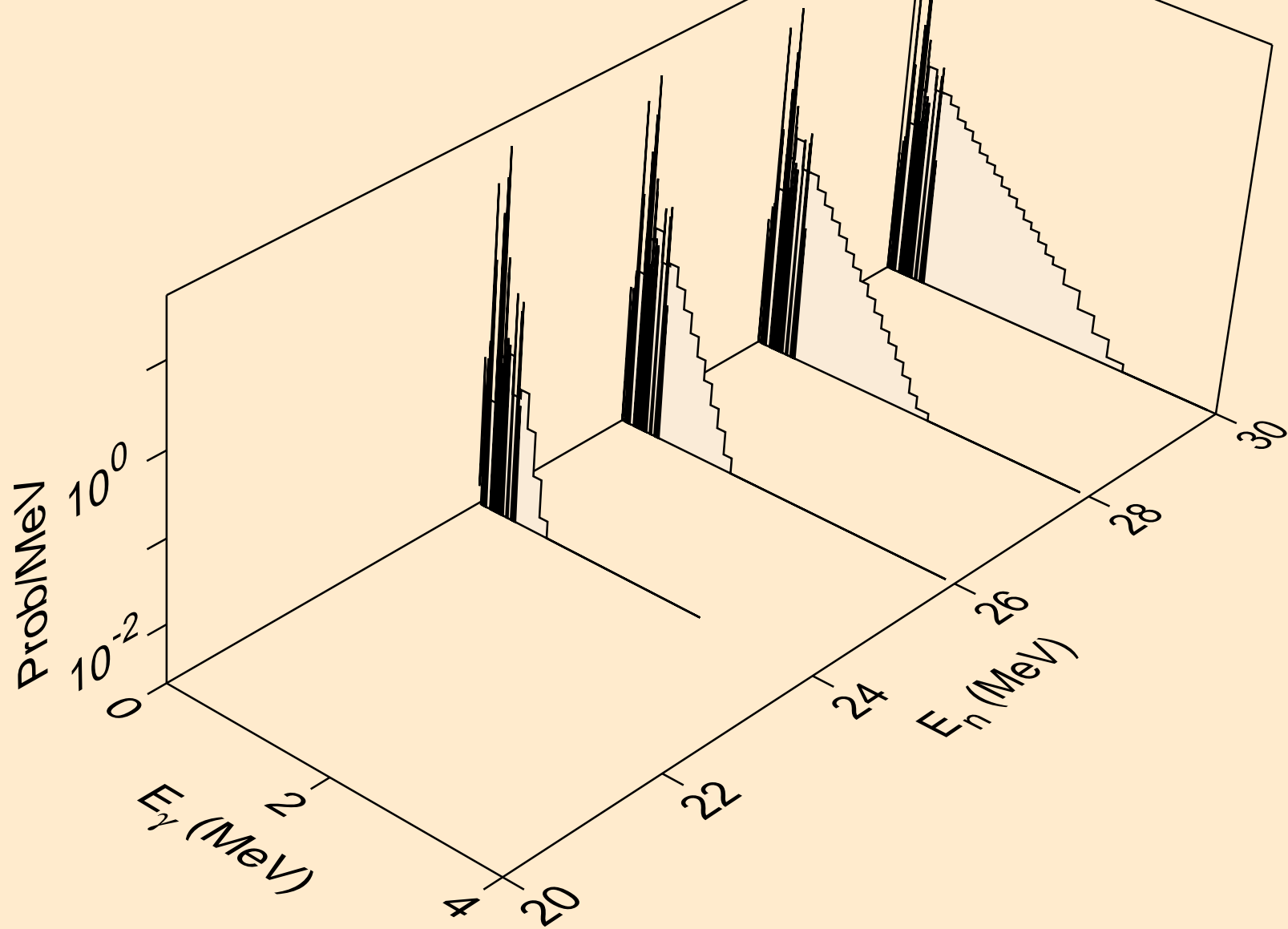
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



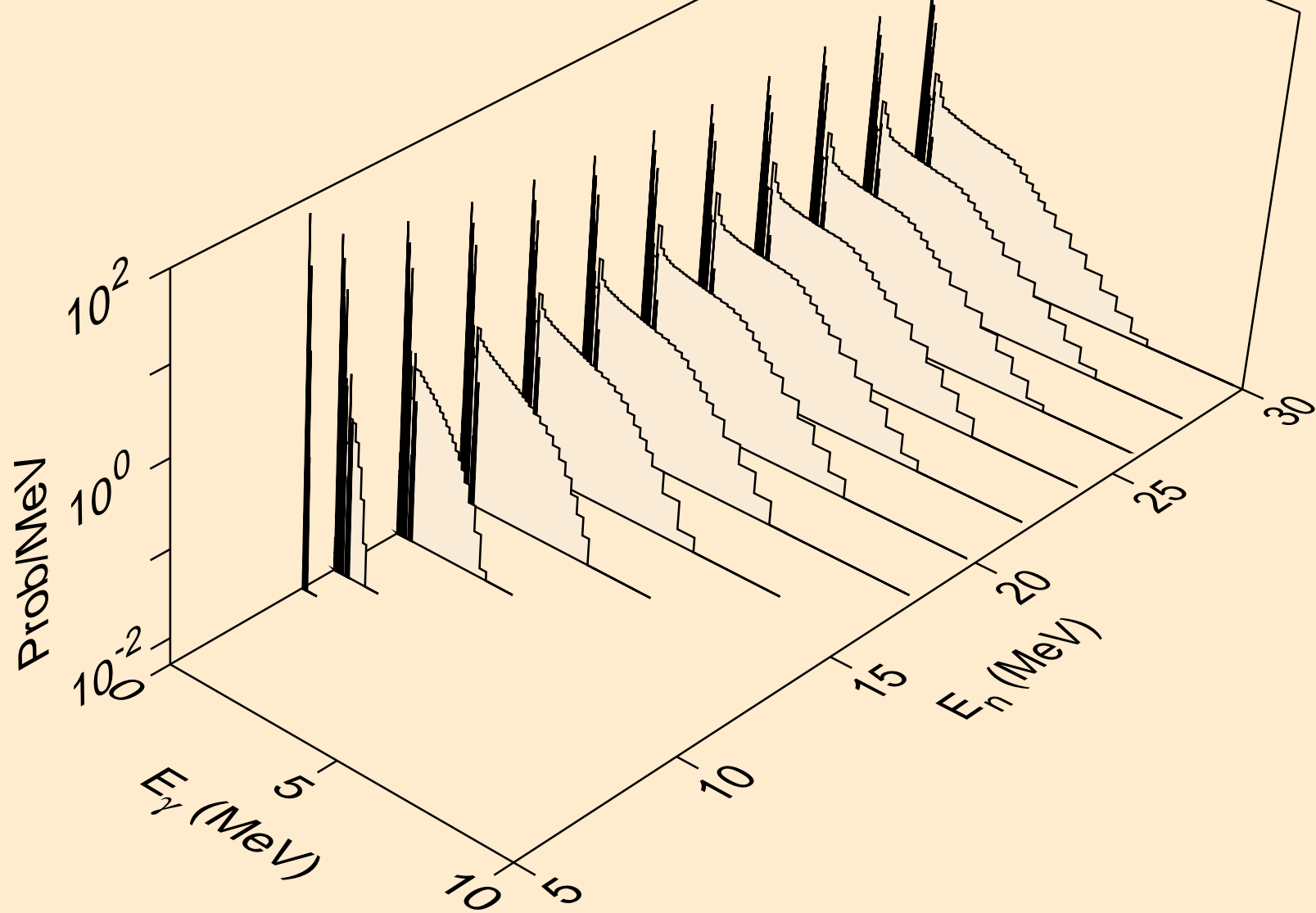
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



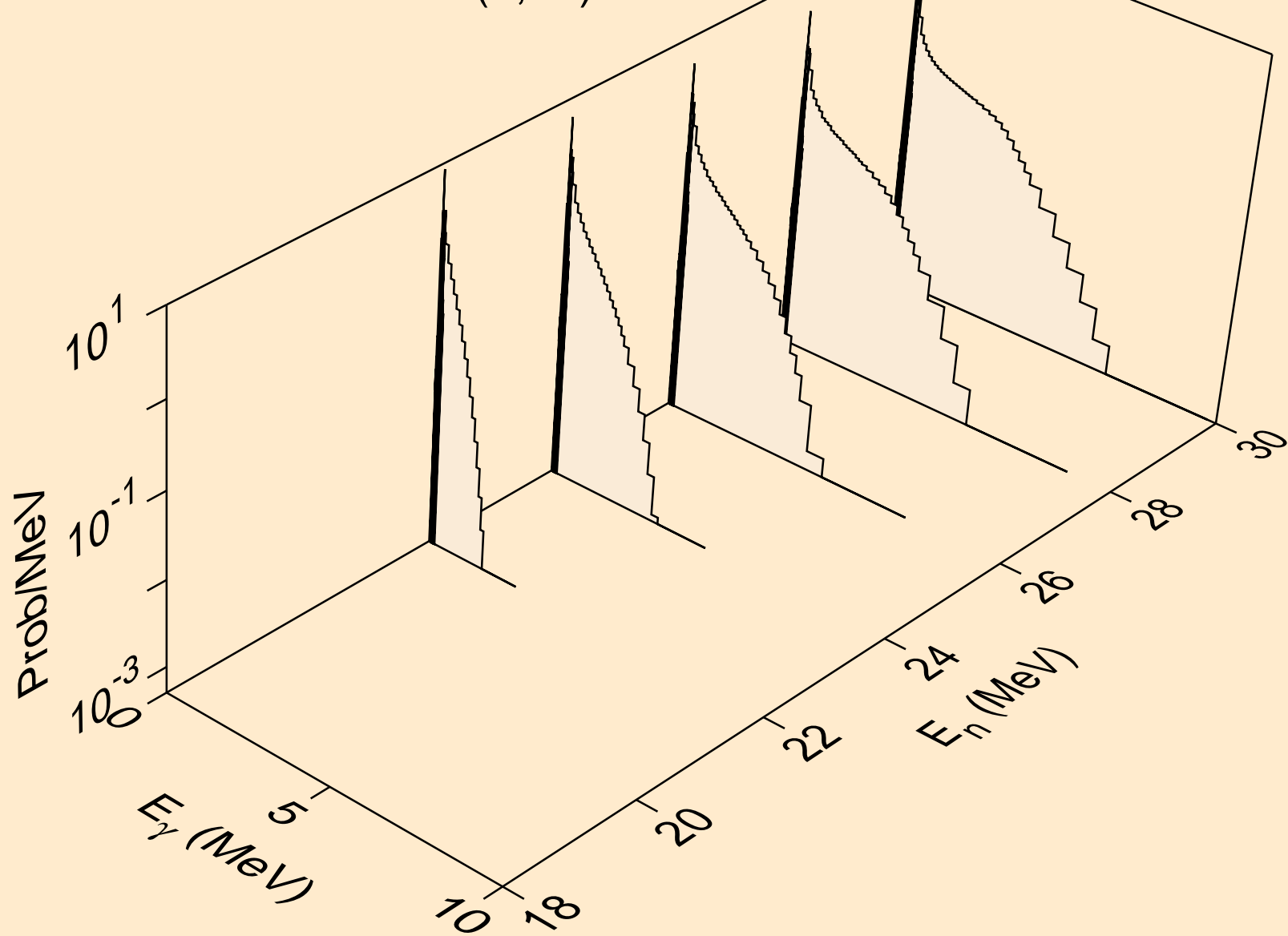
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



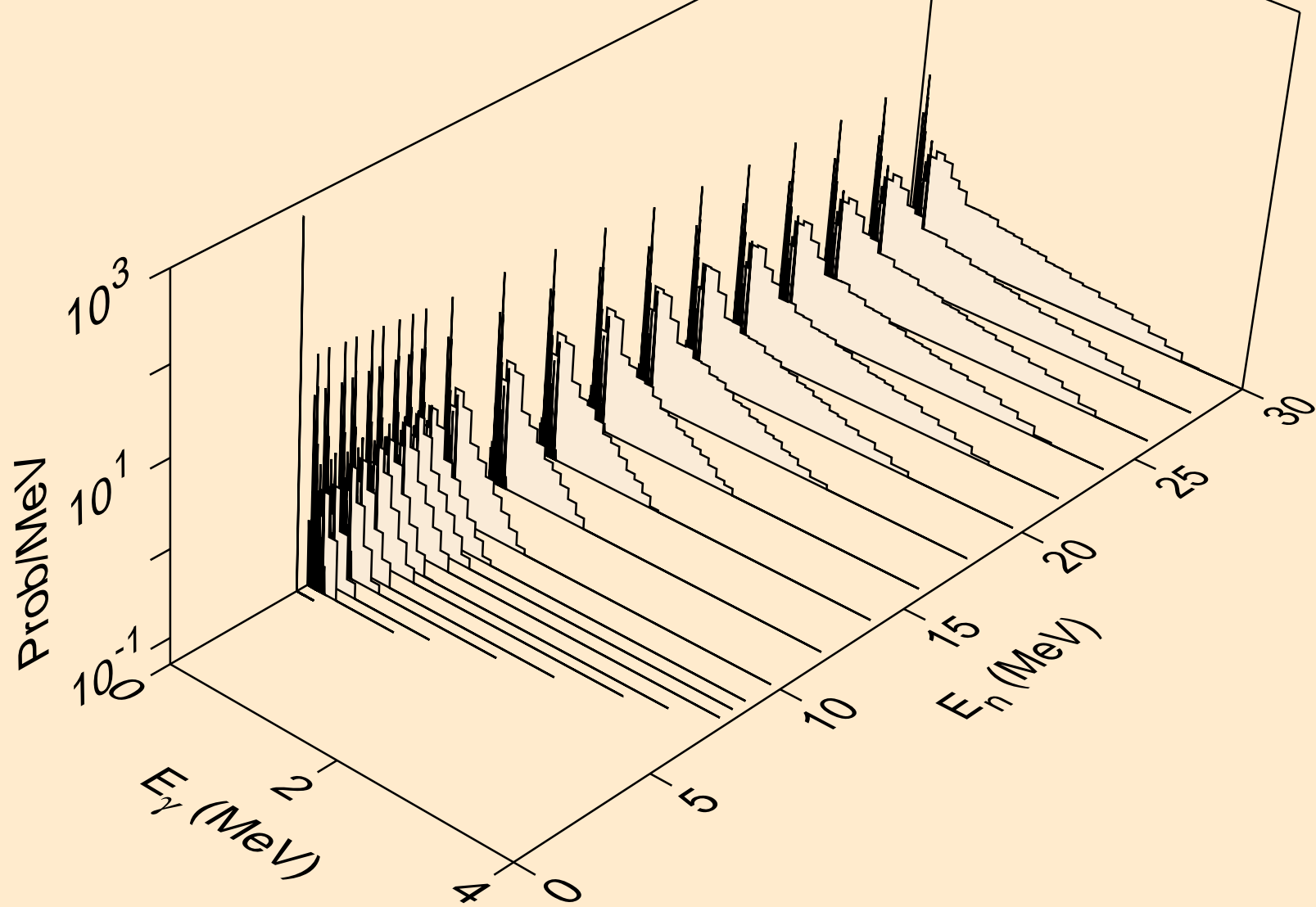
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Photon emission for (n,2n)



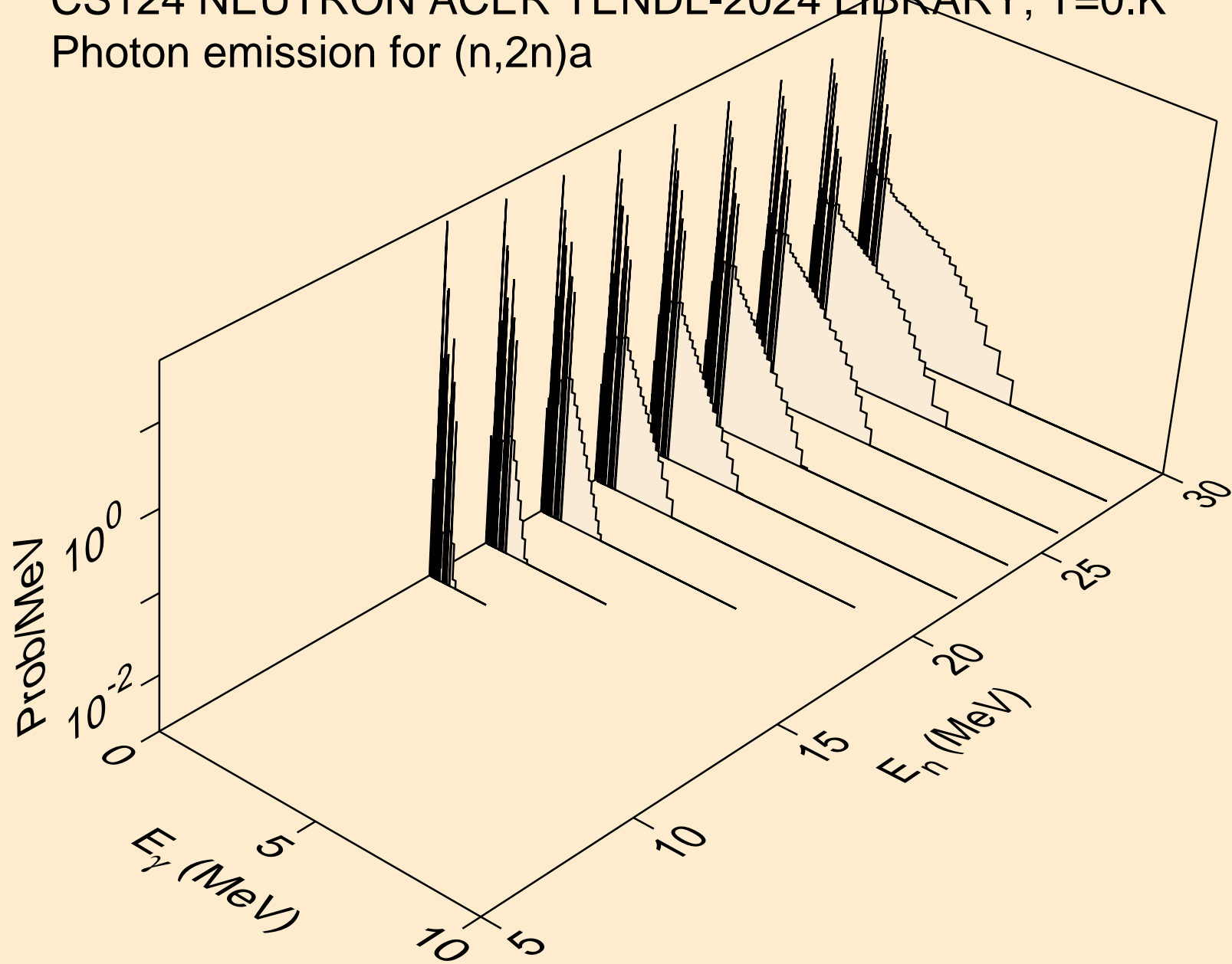
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



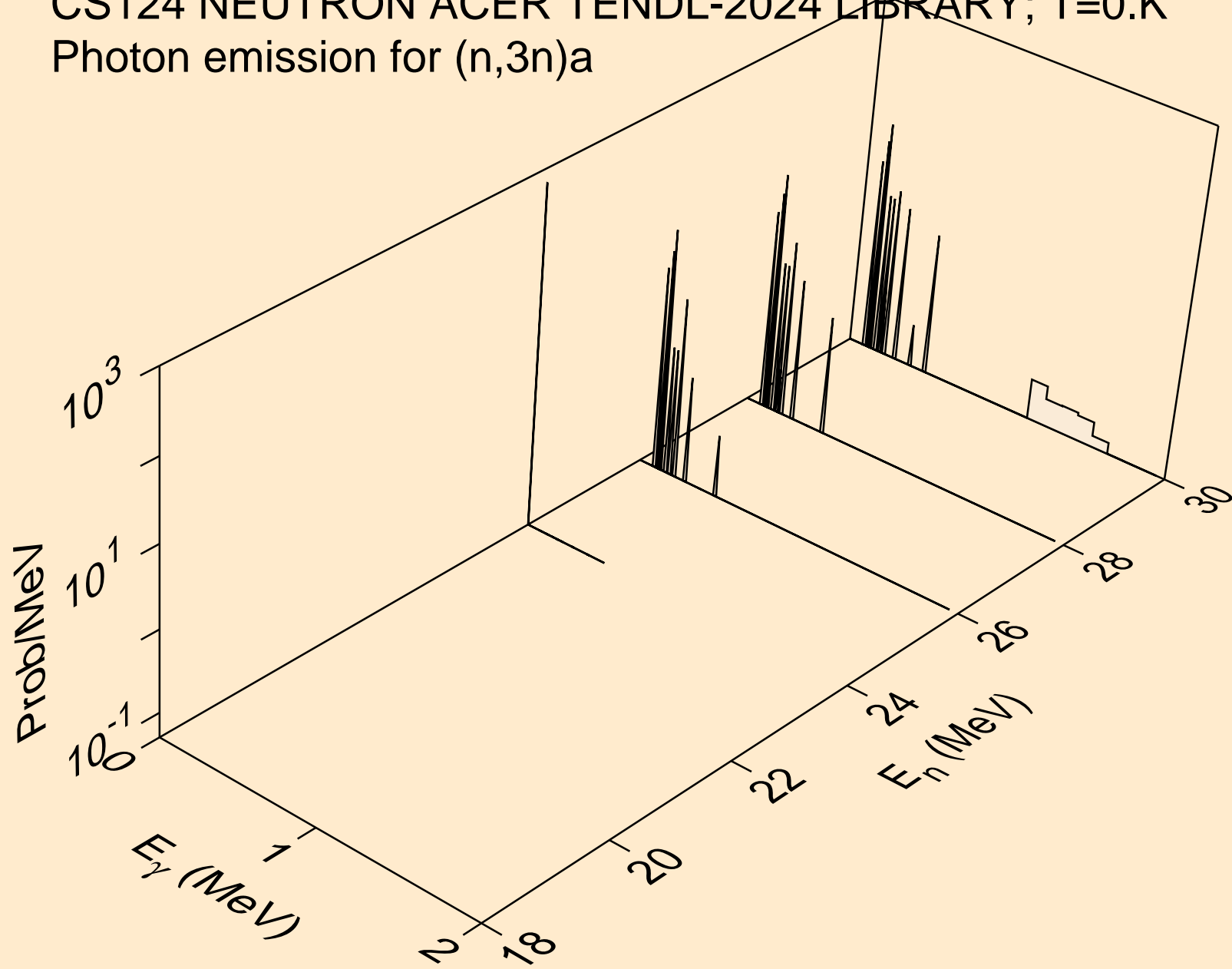
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



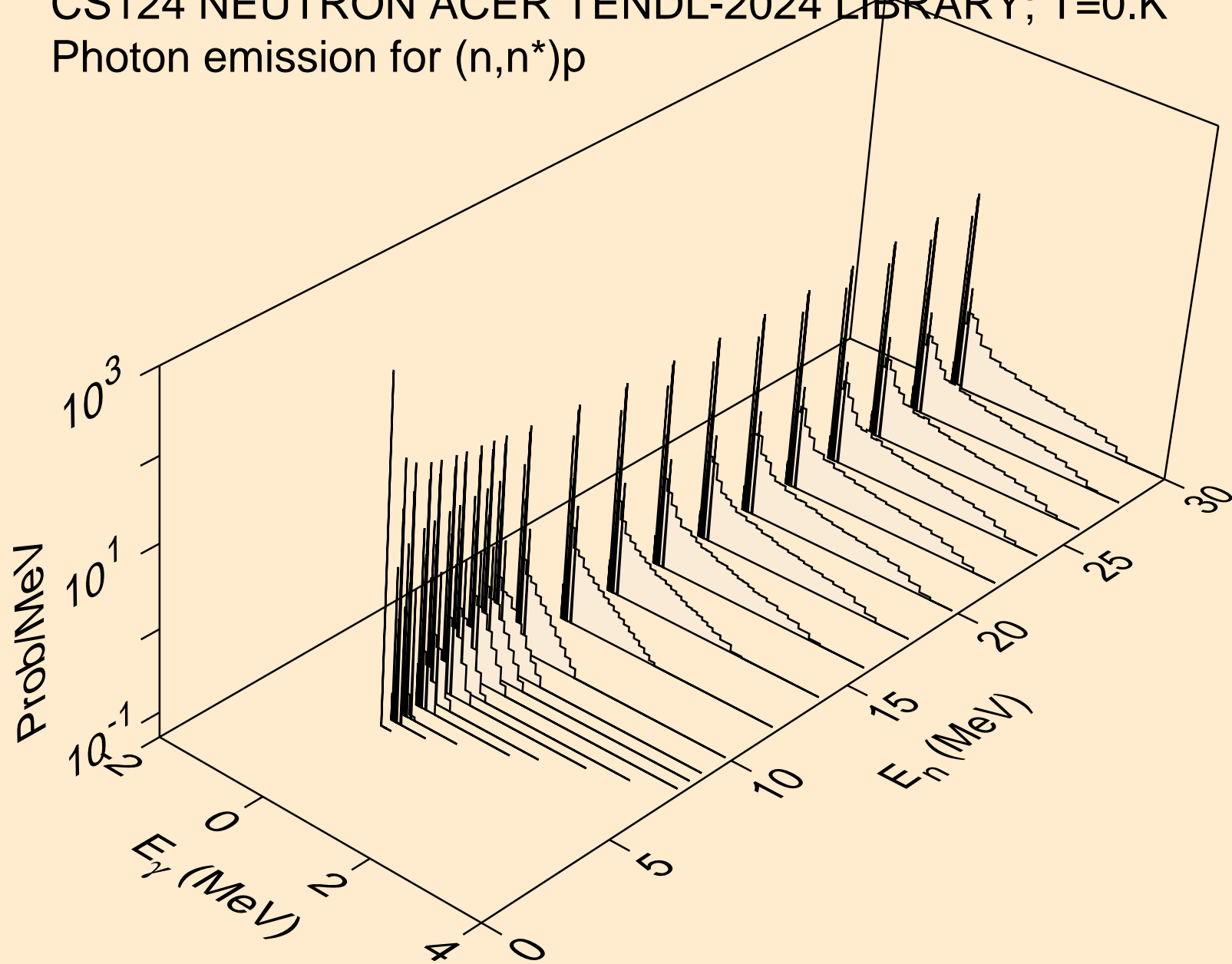
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



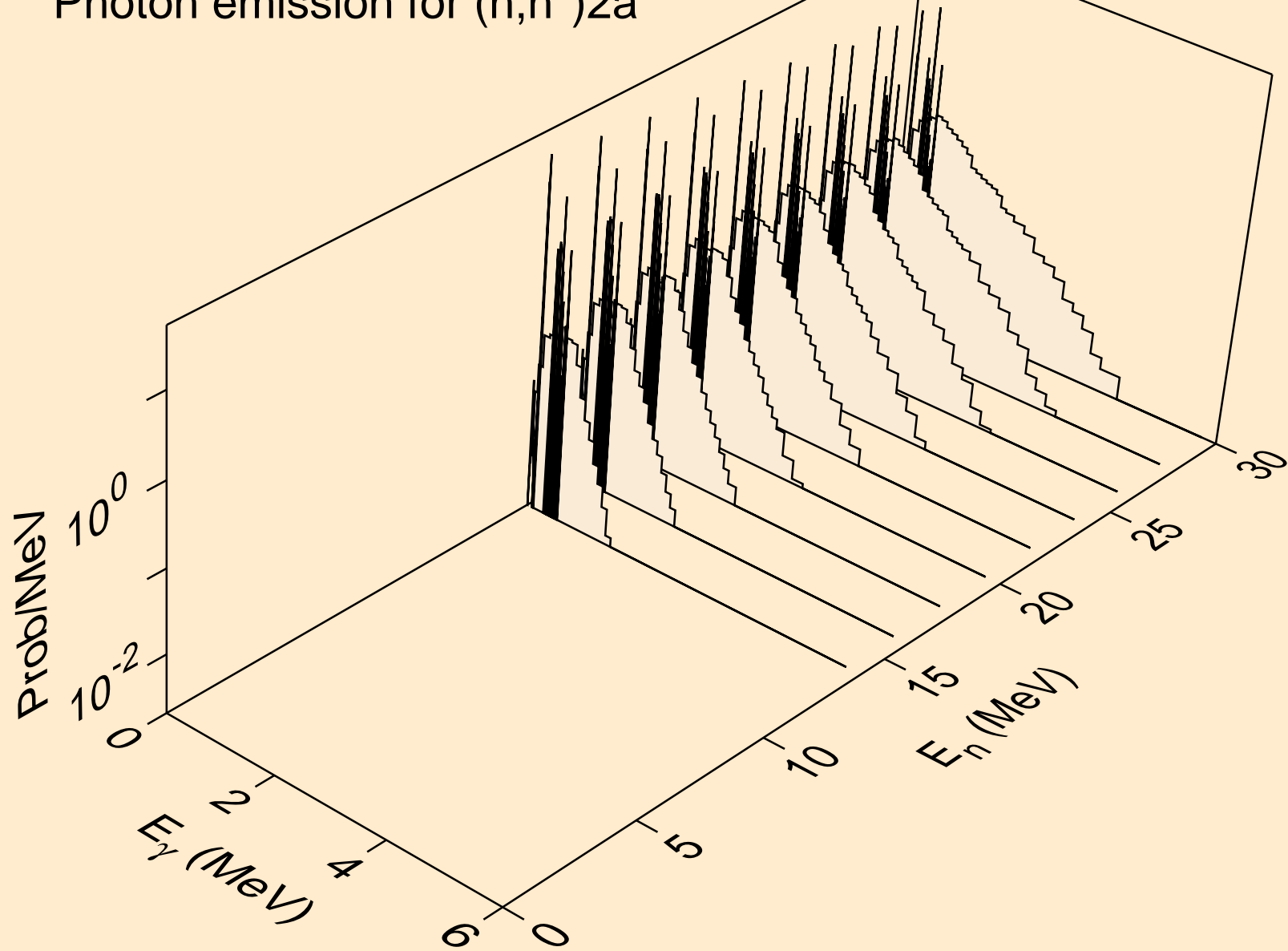
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Photon emission for (n,3n)a



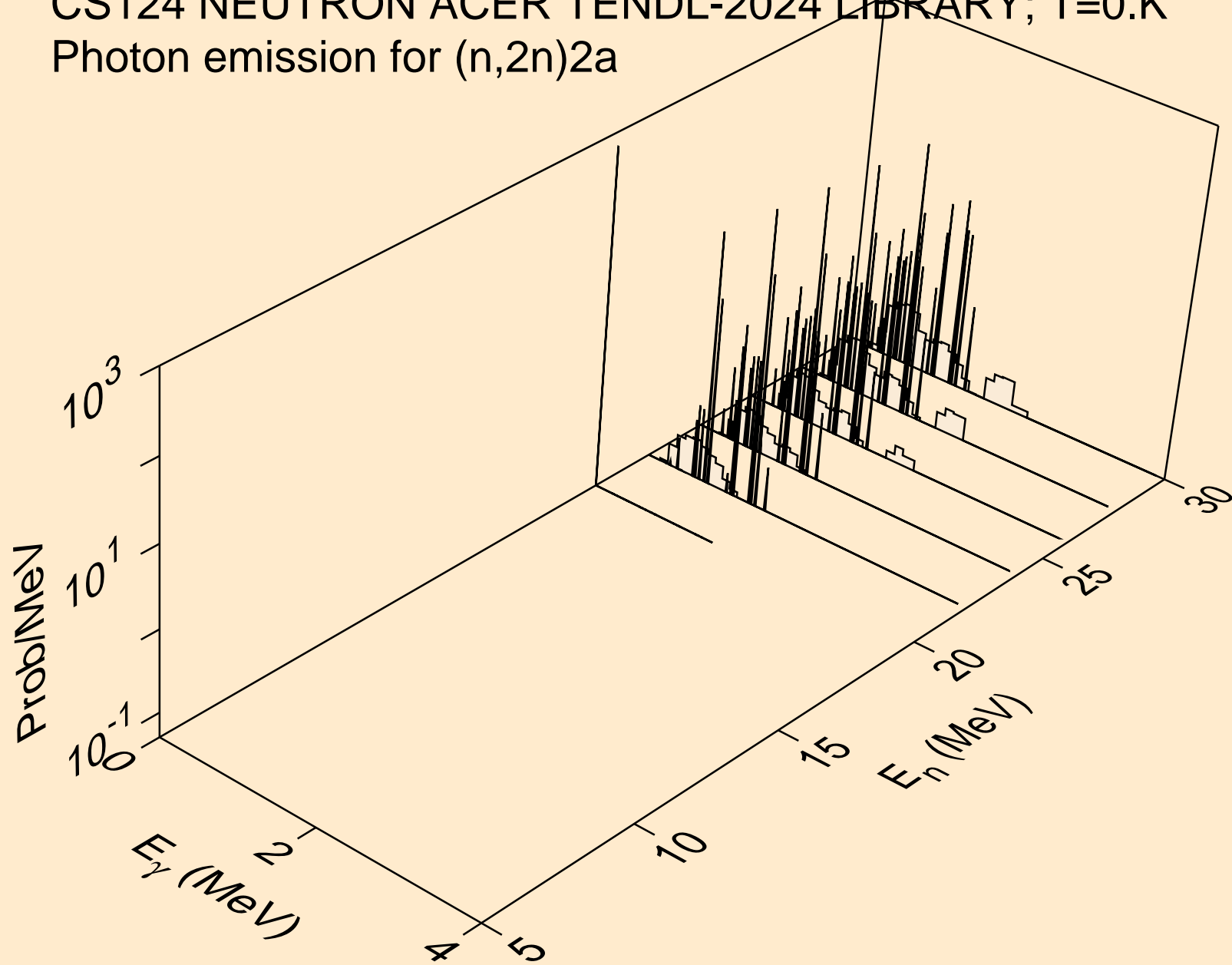
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



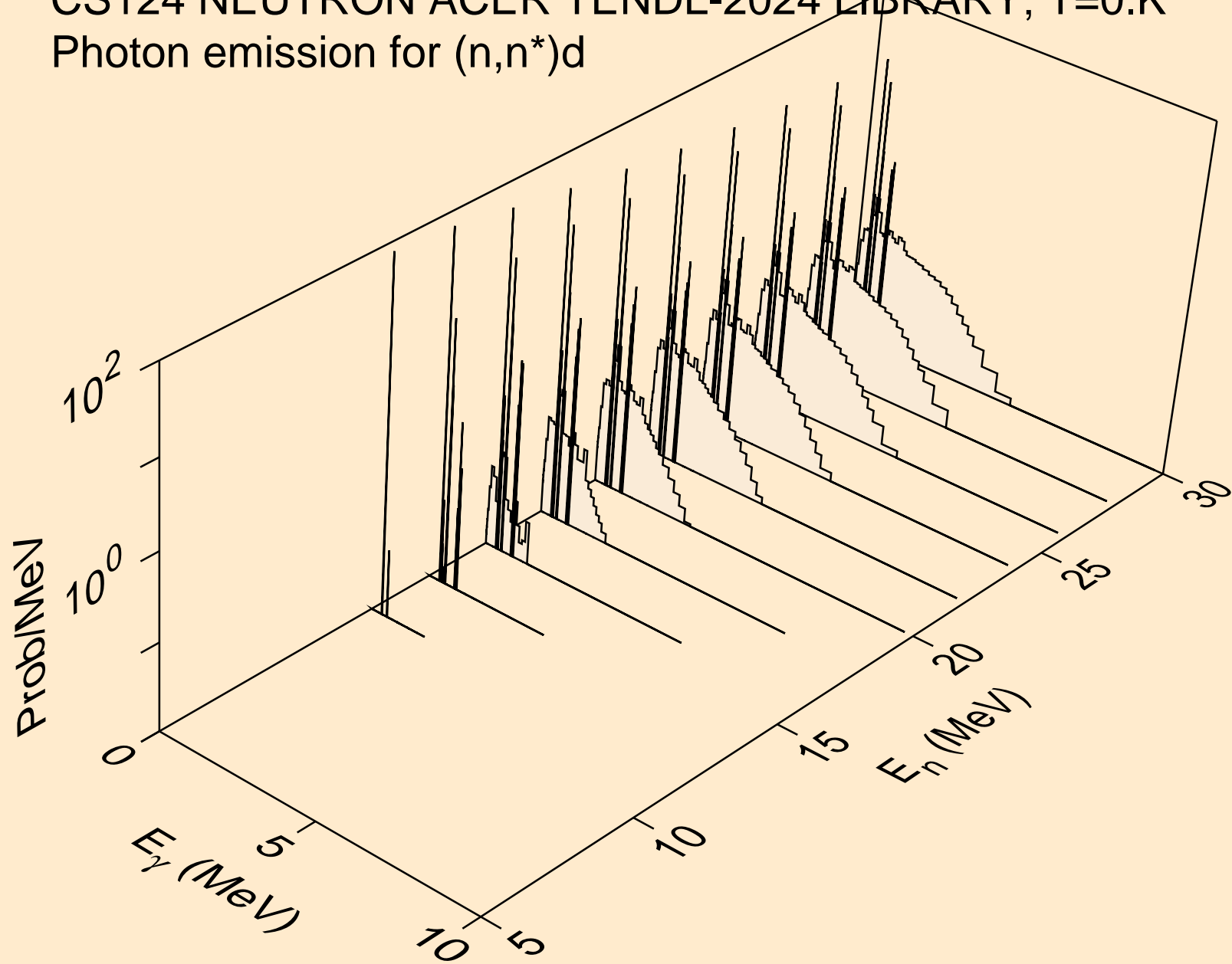
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Photon emission for (n,n\*)2a



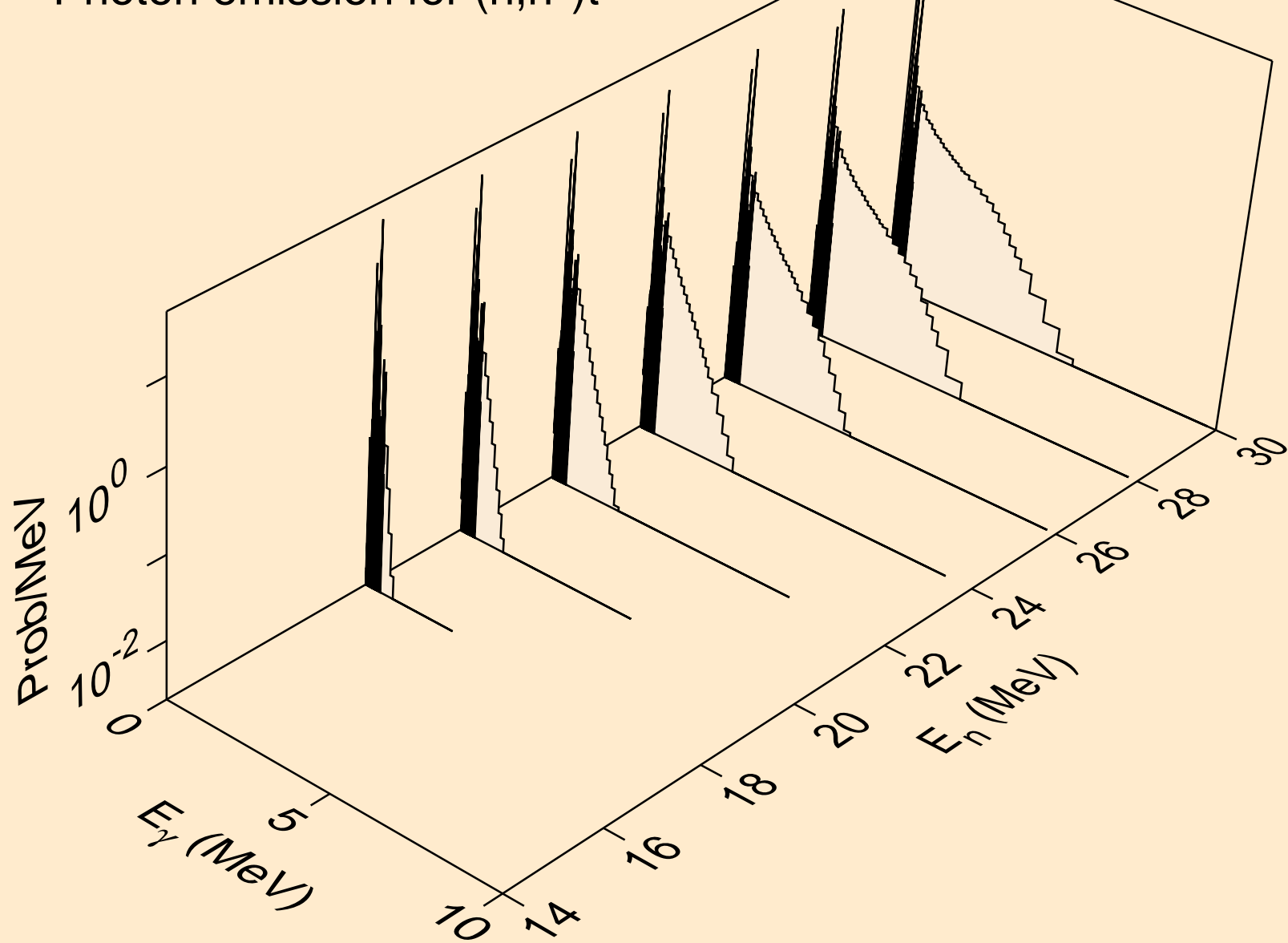
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



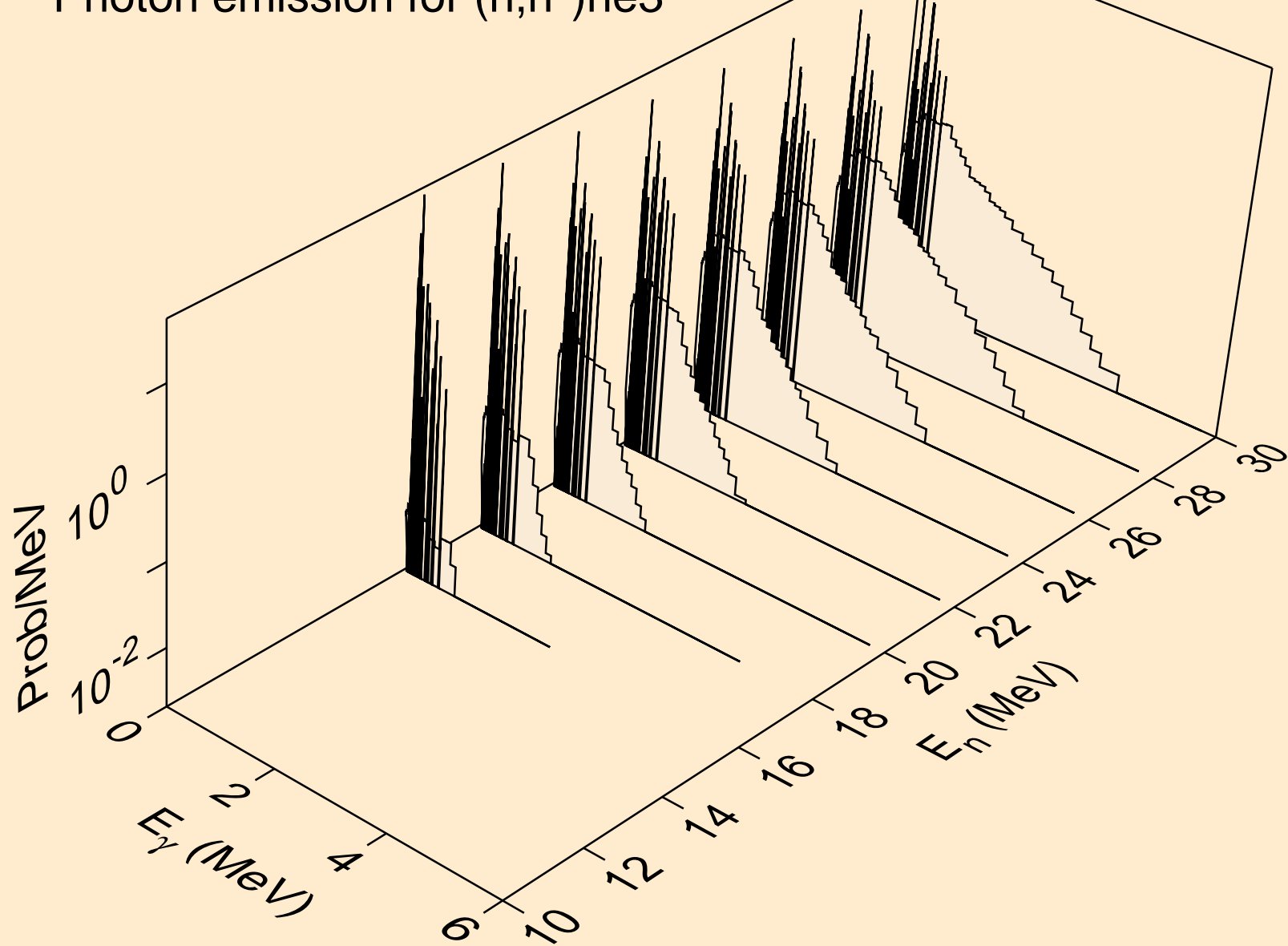
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



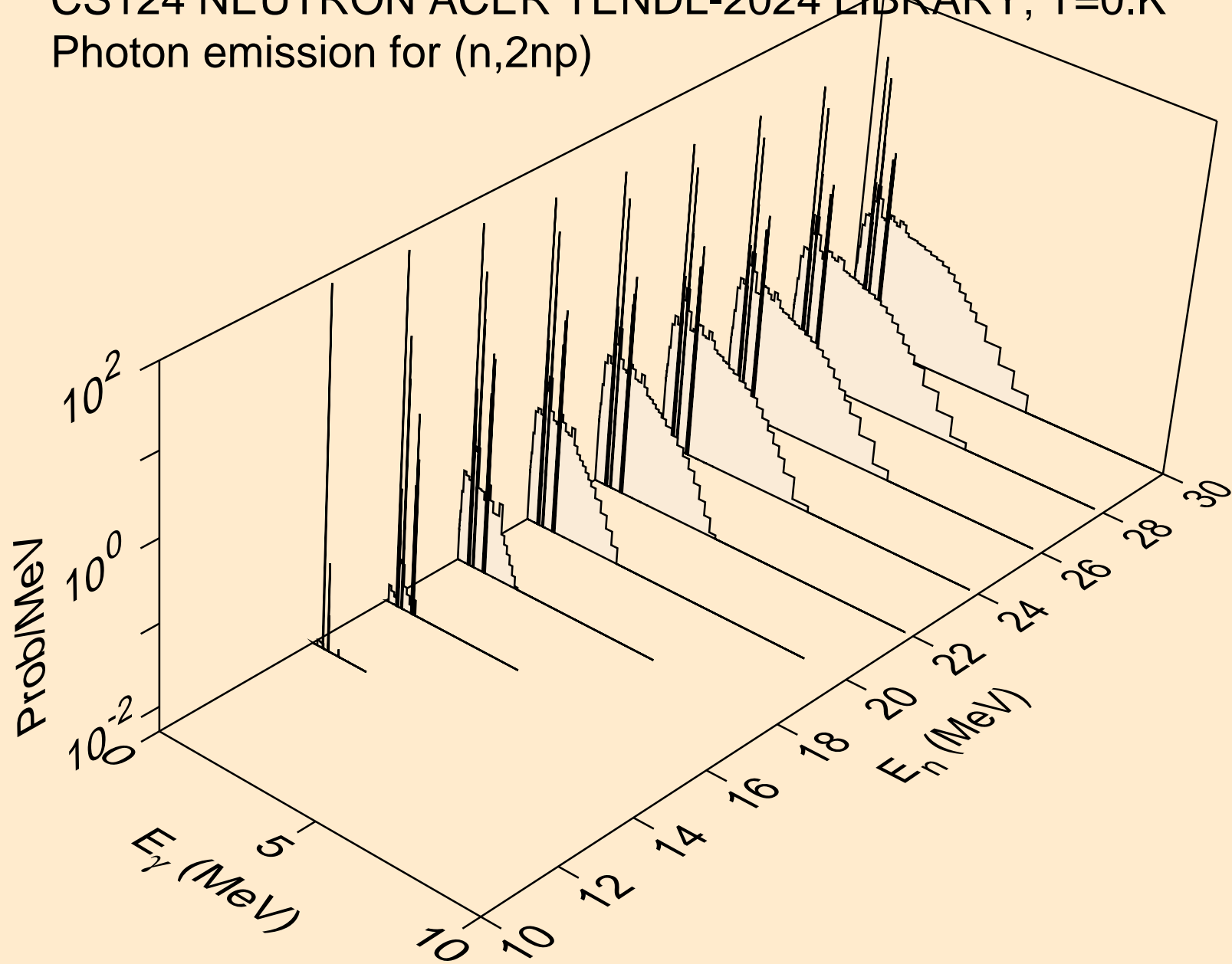
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



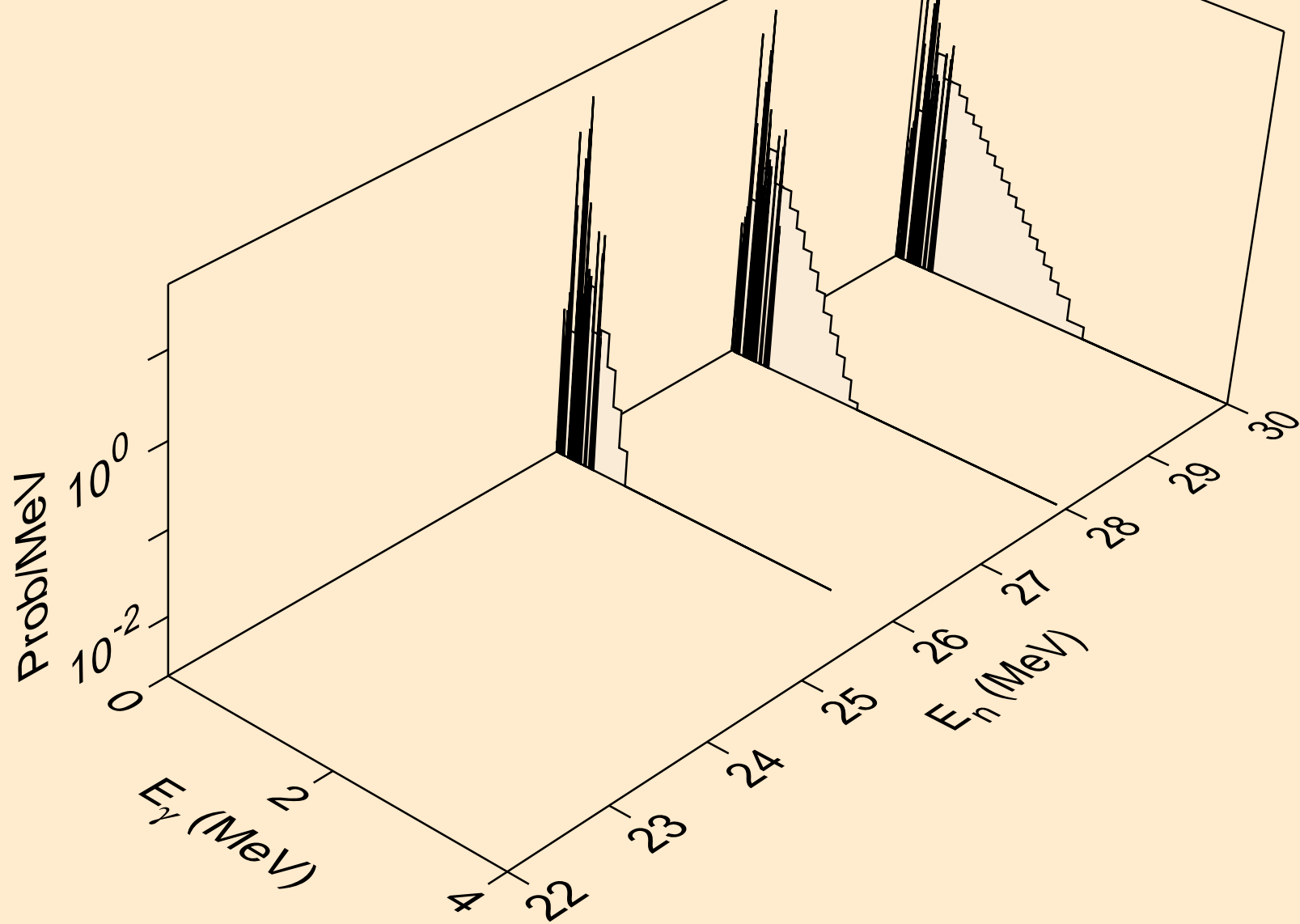
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



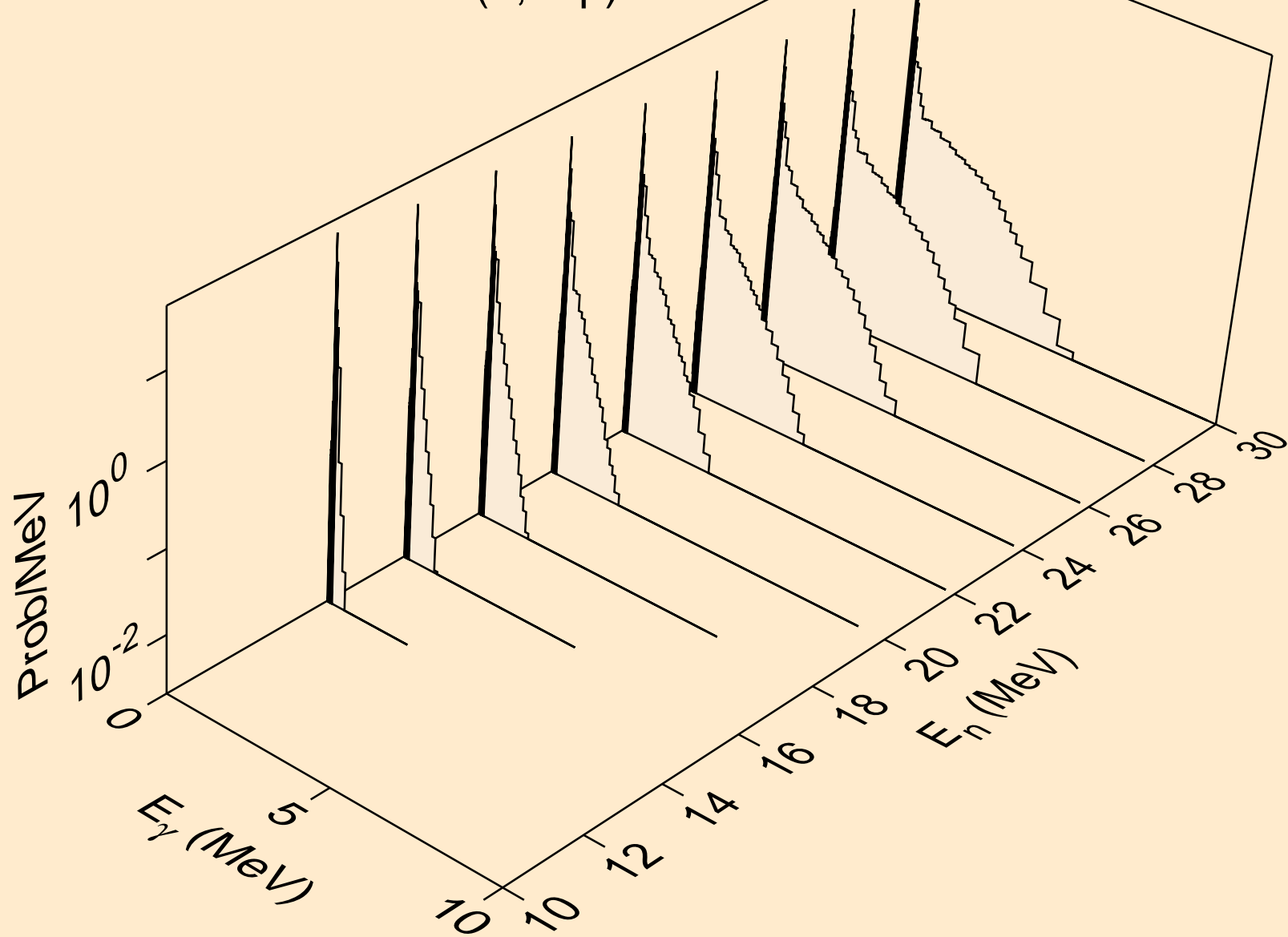
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Photon emission for (n,2np)



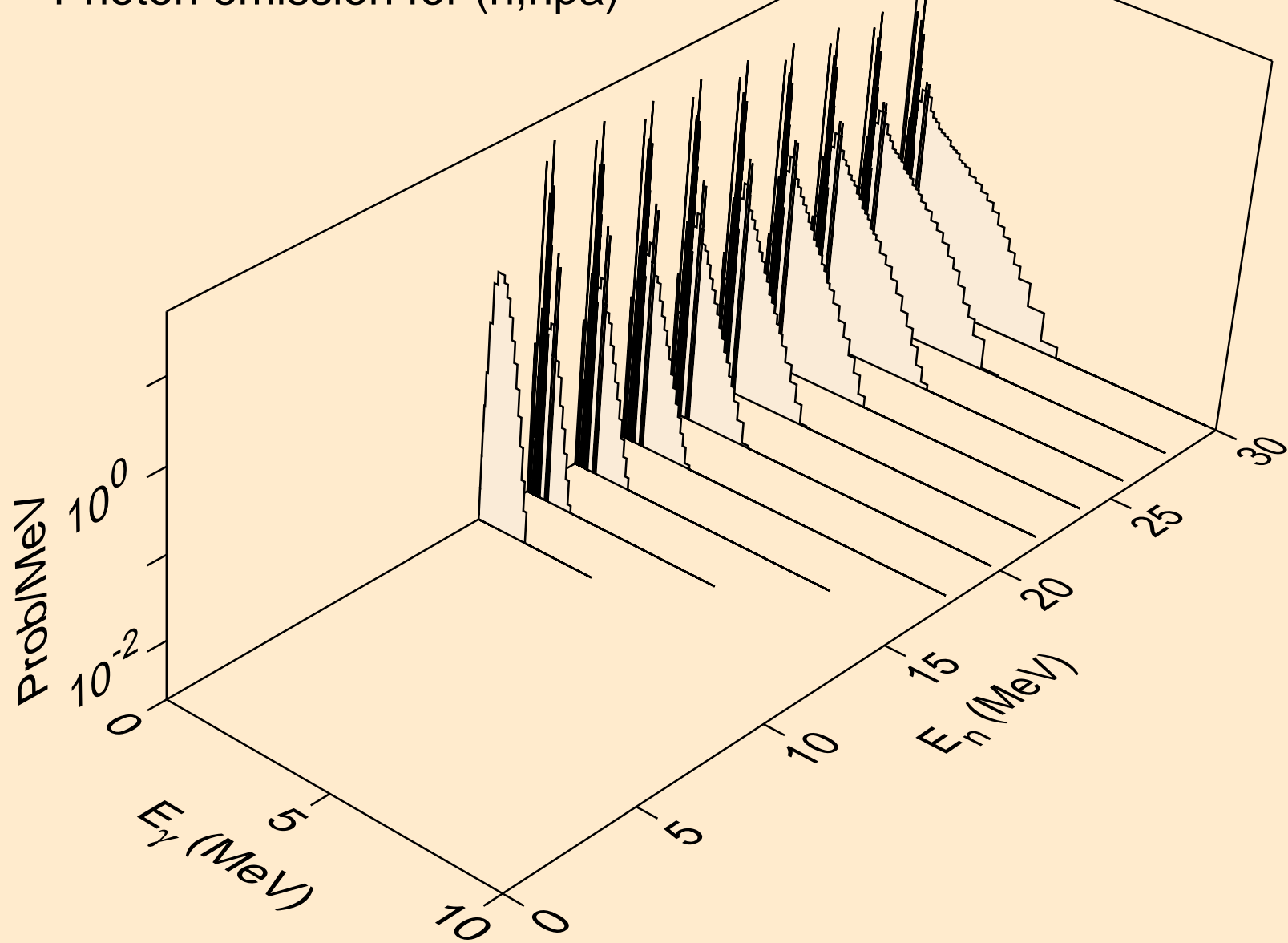
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



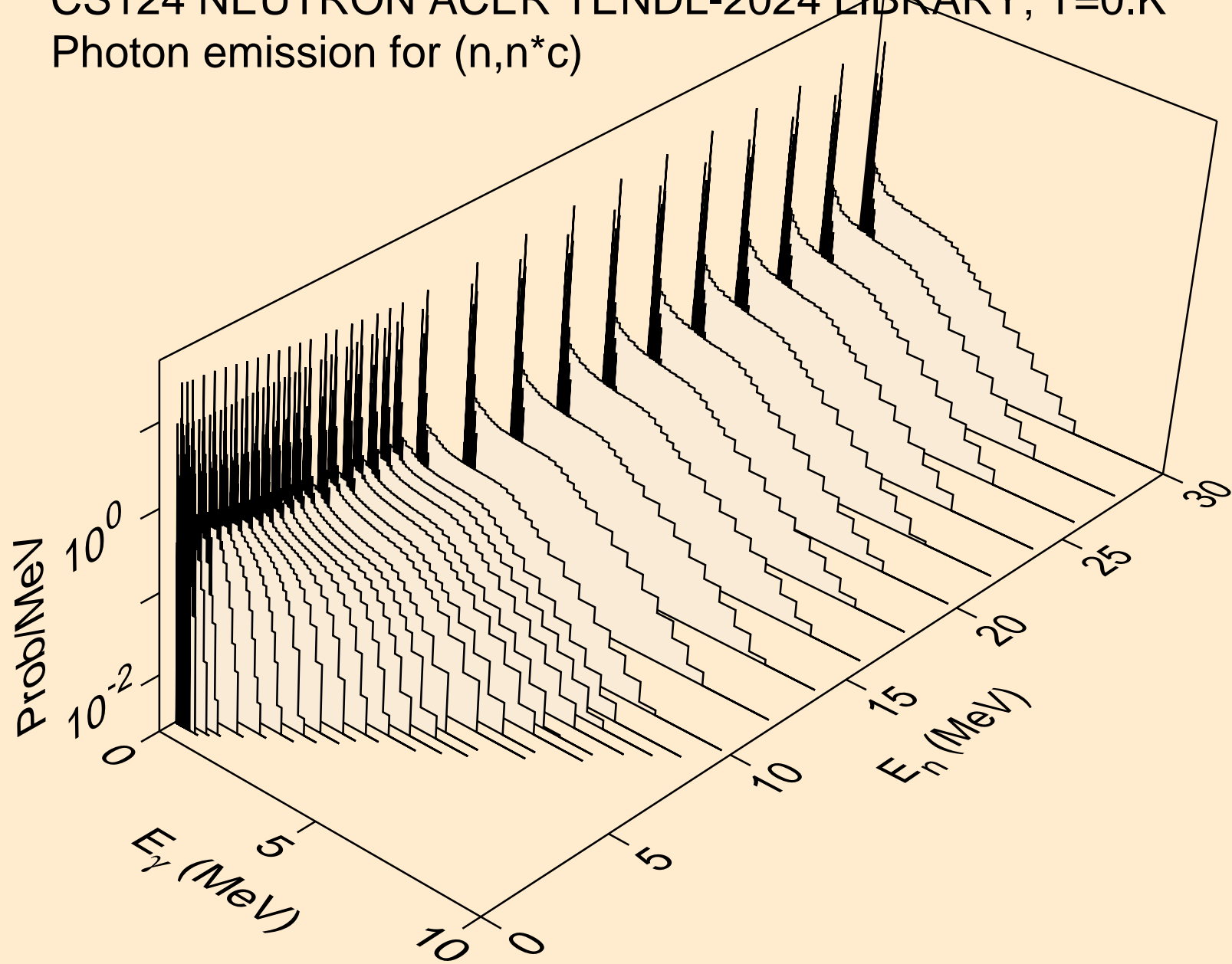
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Photon emission for (n,n2p)



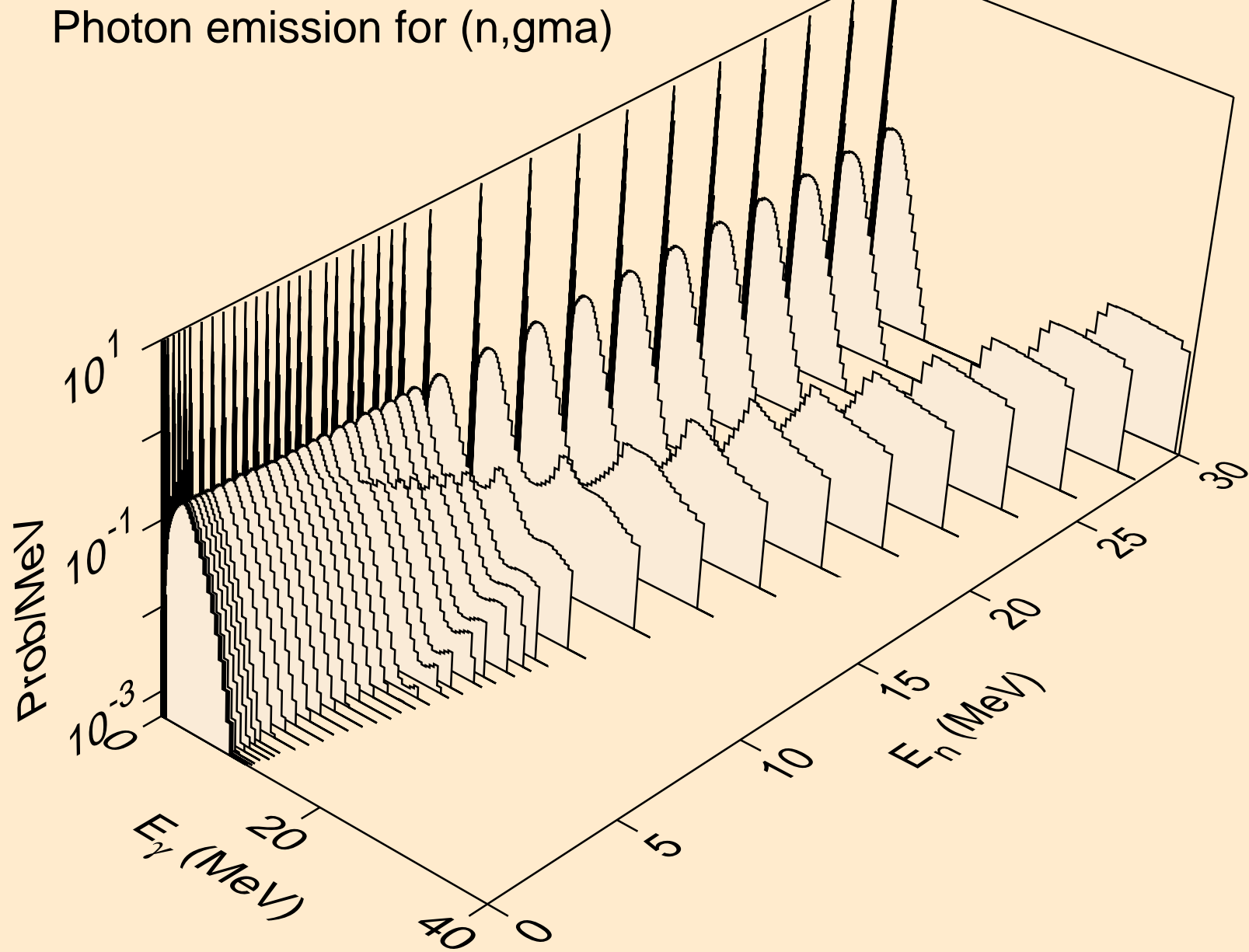
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Photon emission for (n,npa)



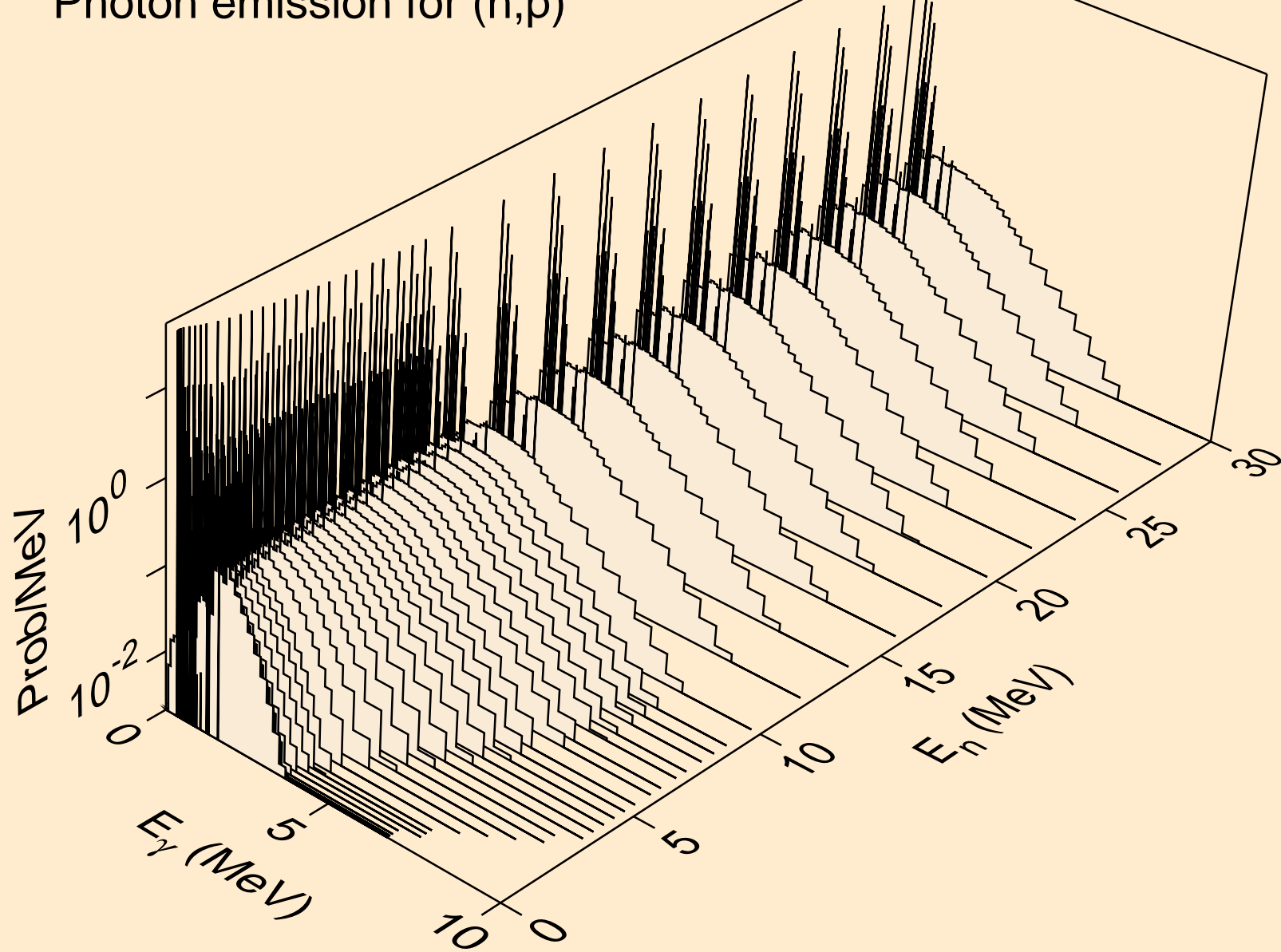
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



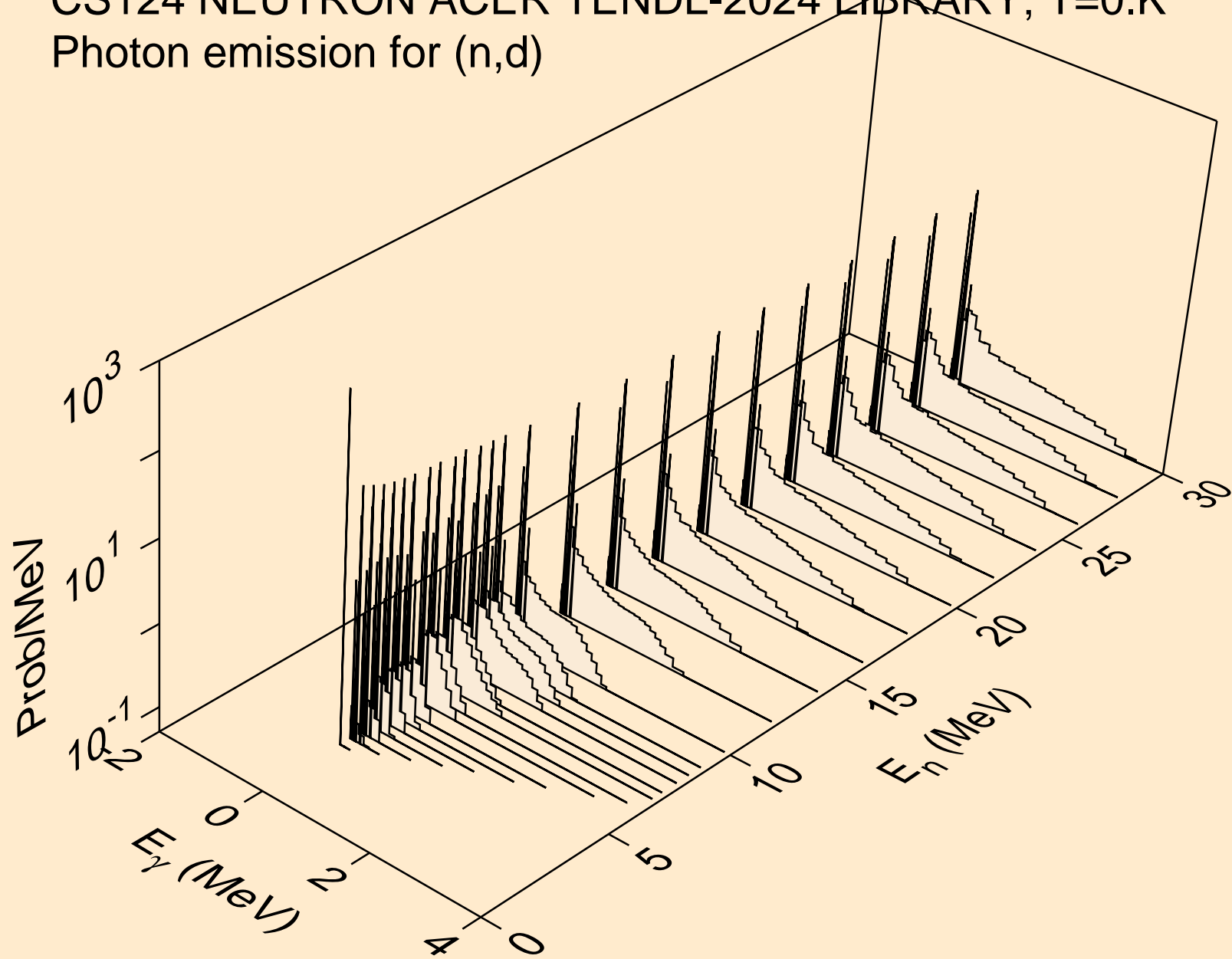
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Photon emission for (n,gma)



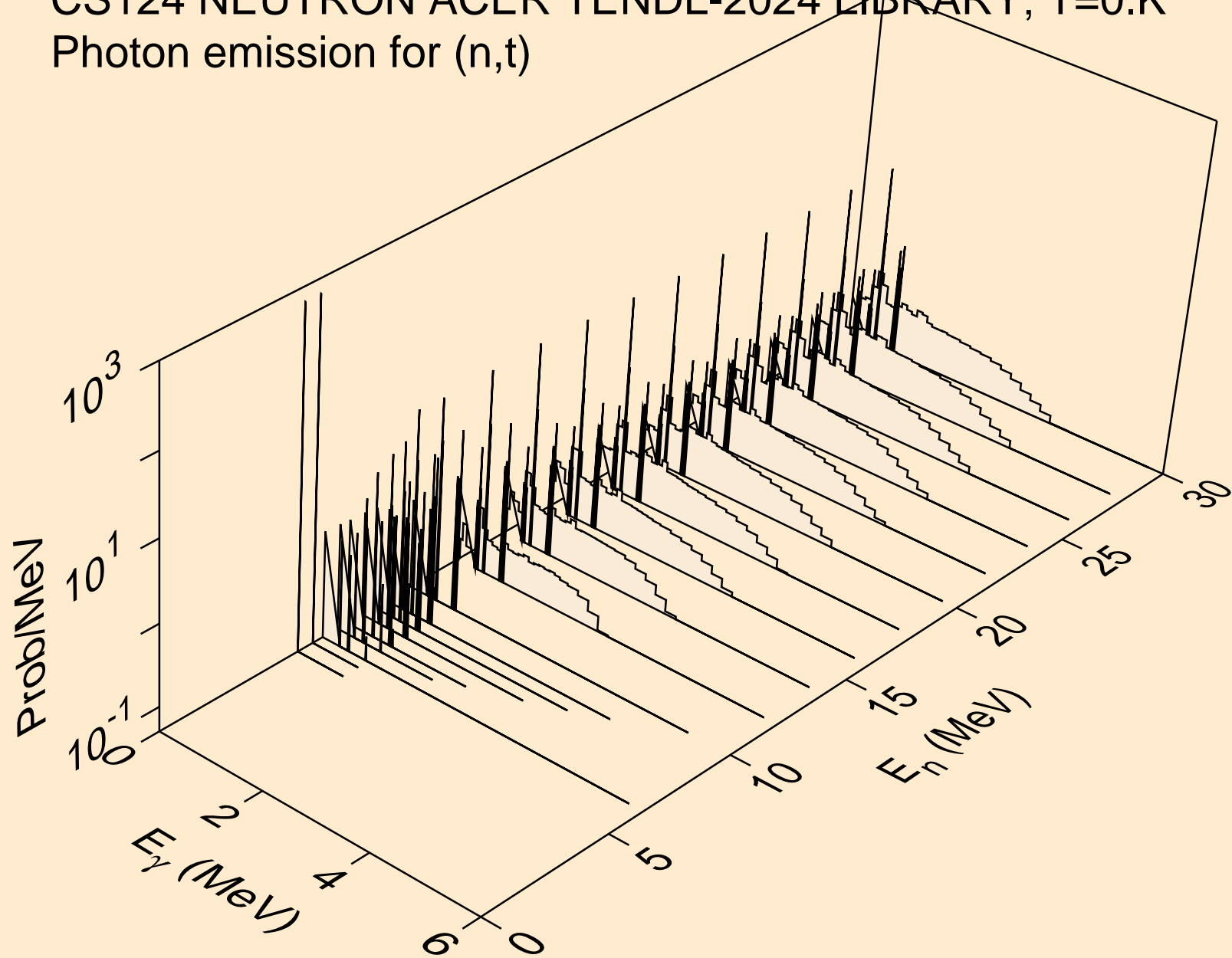
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



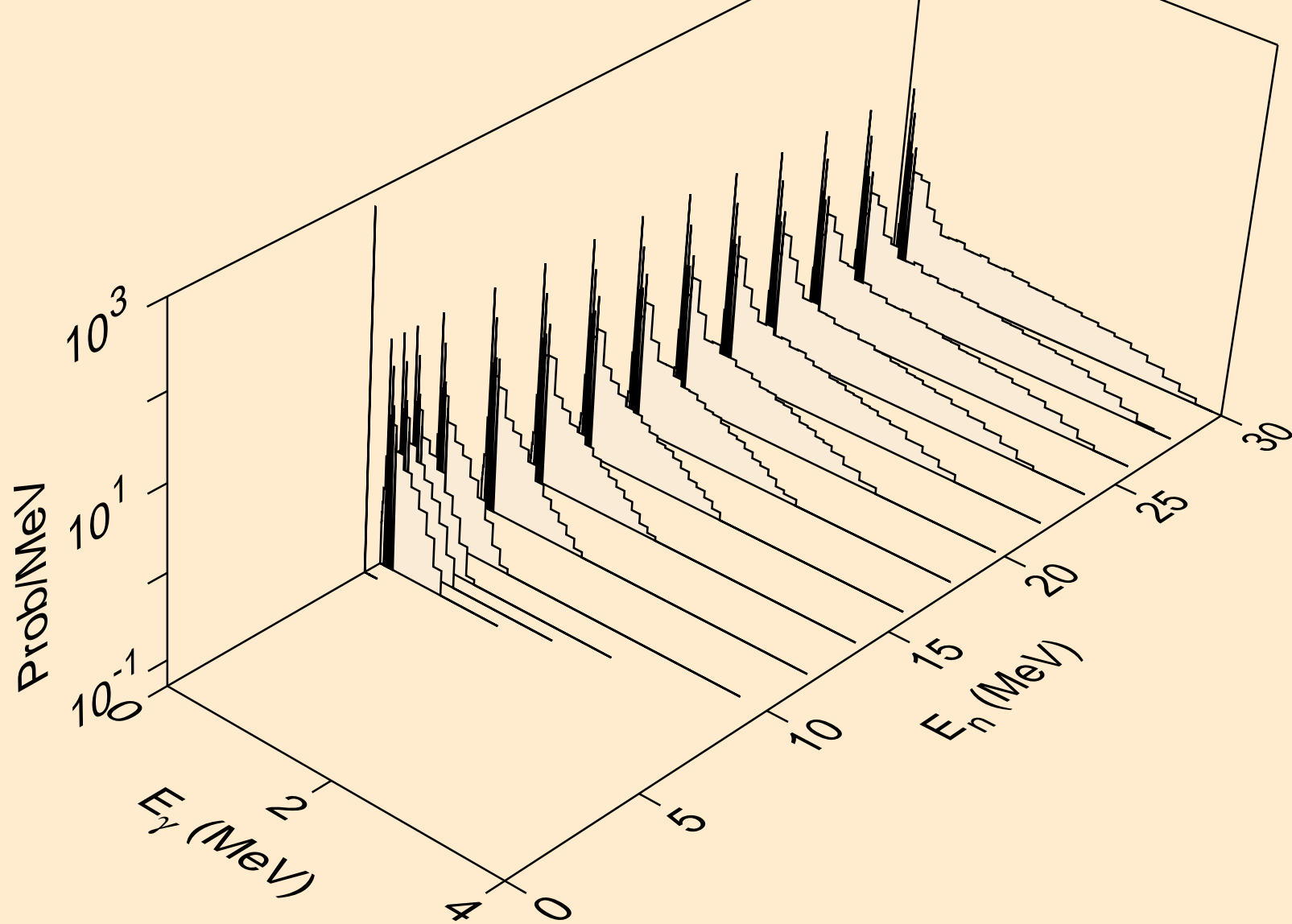
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



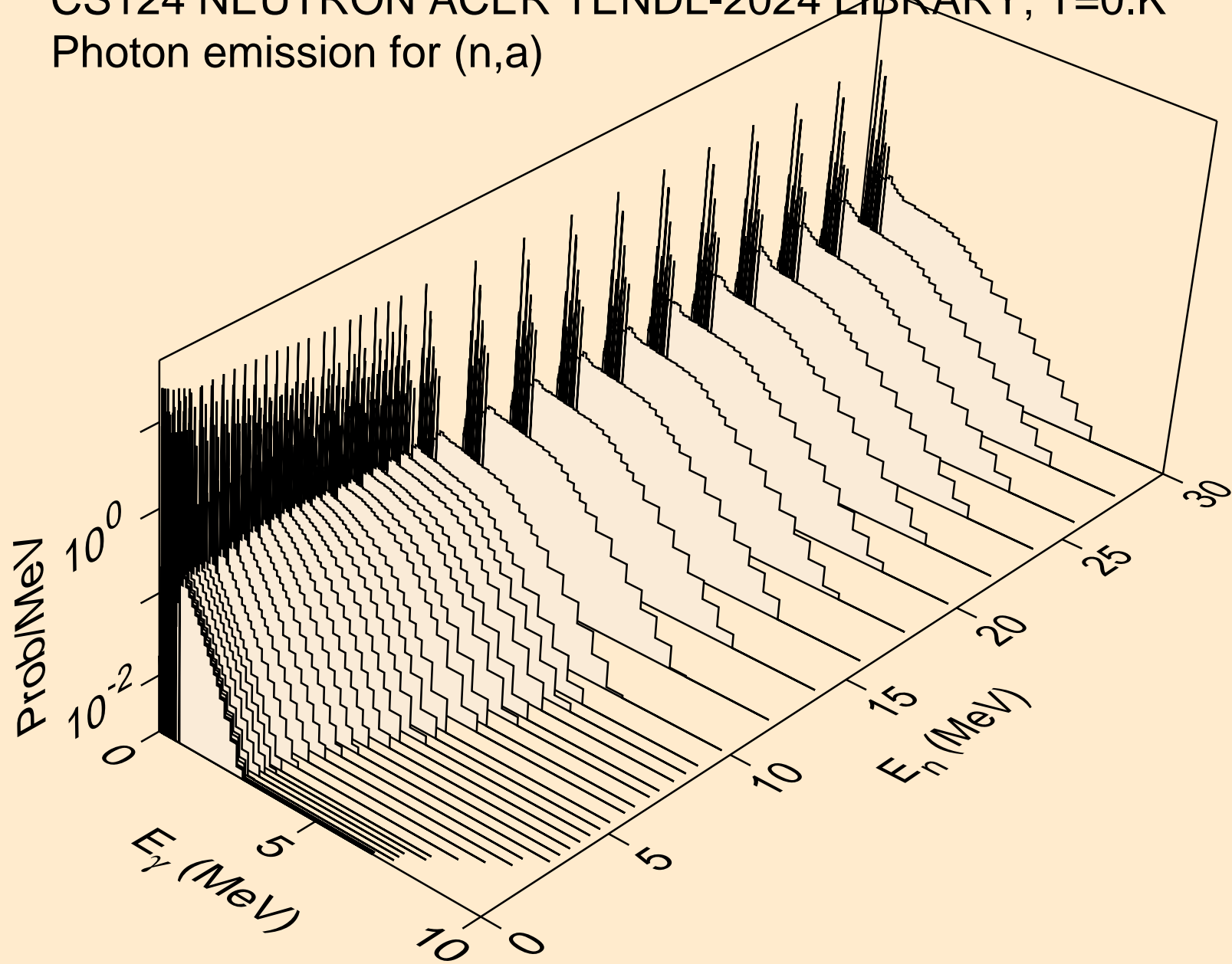
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



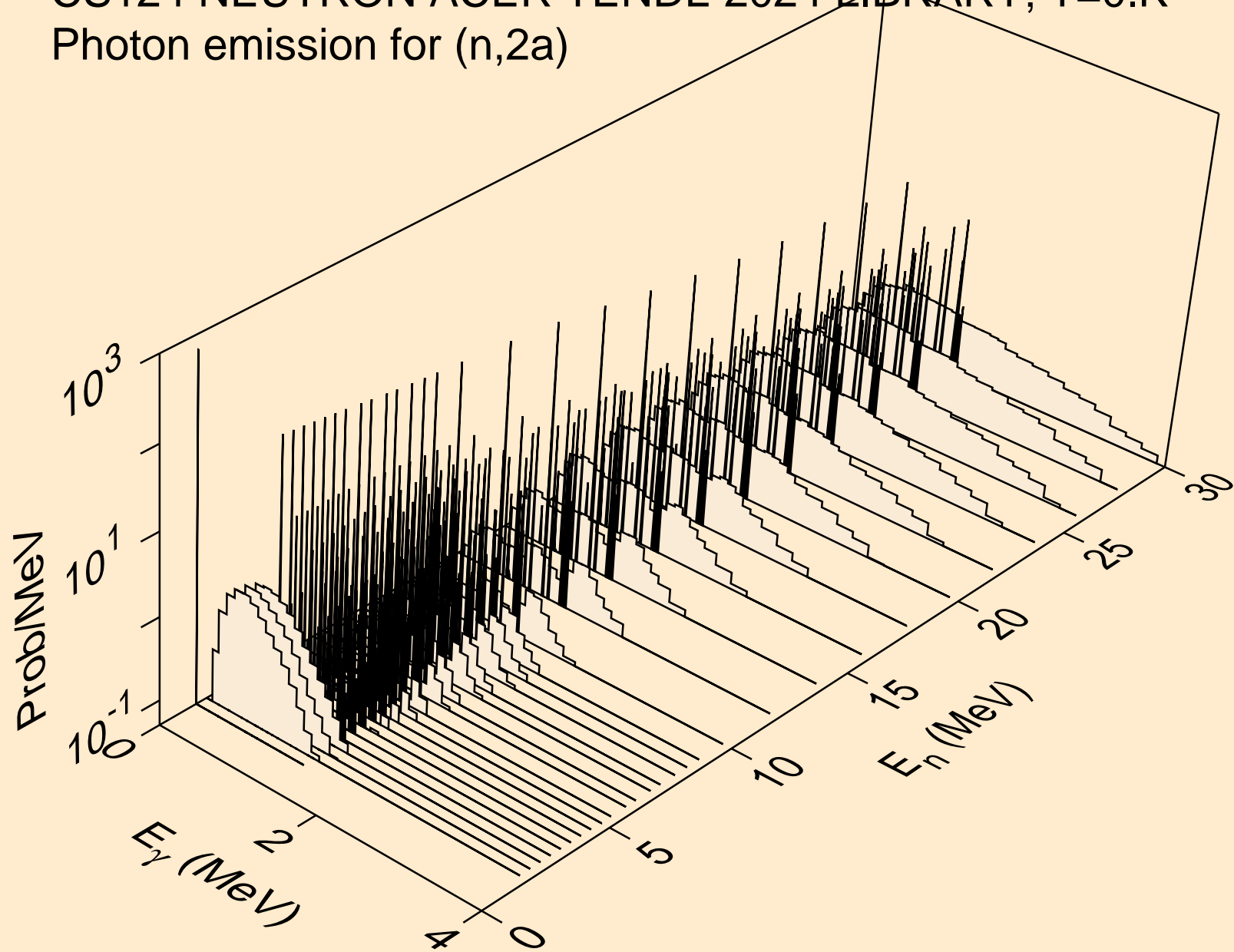
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



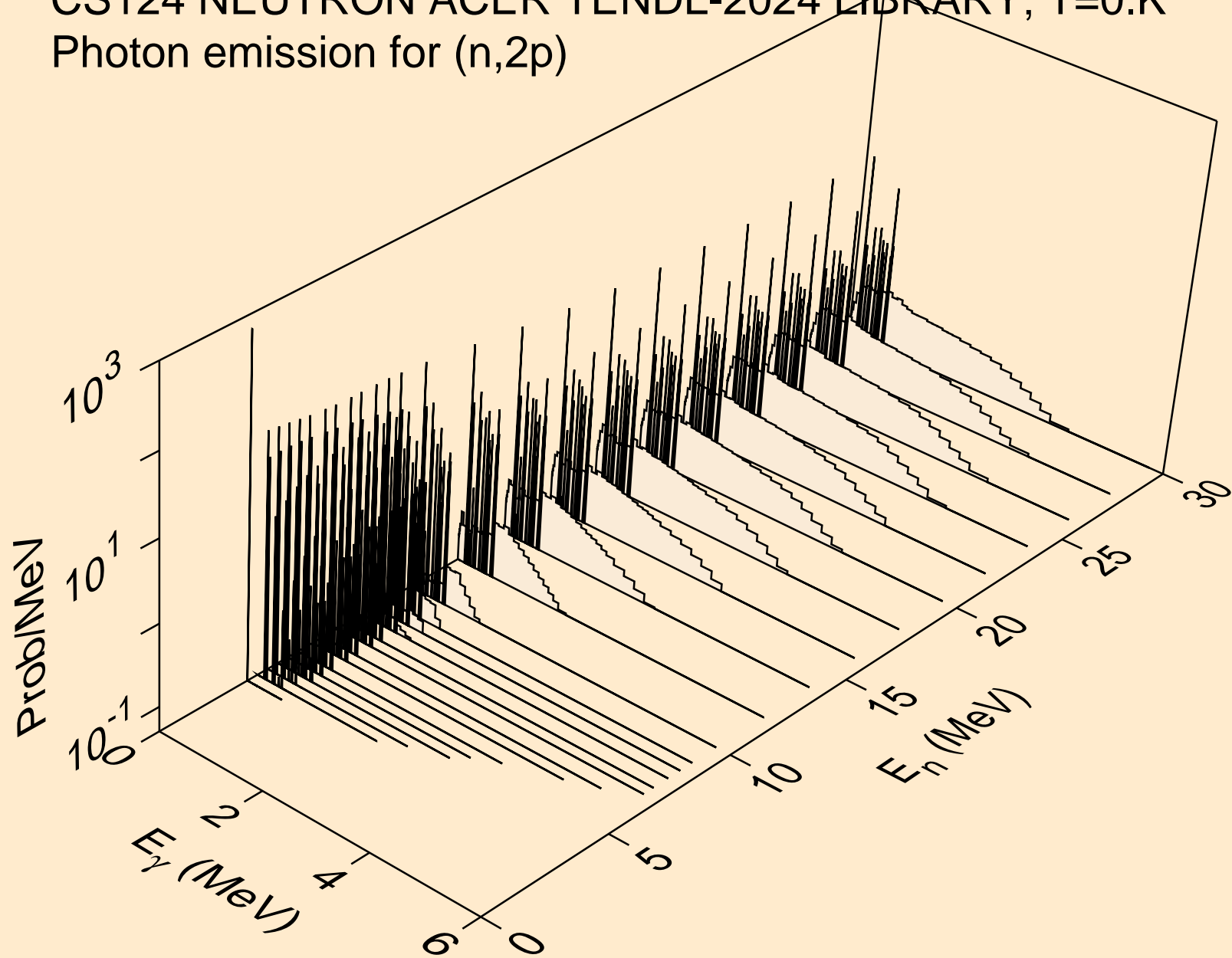
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



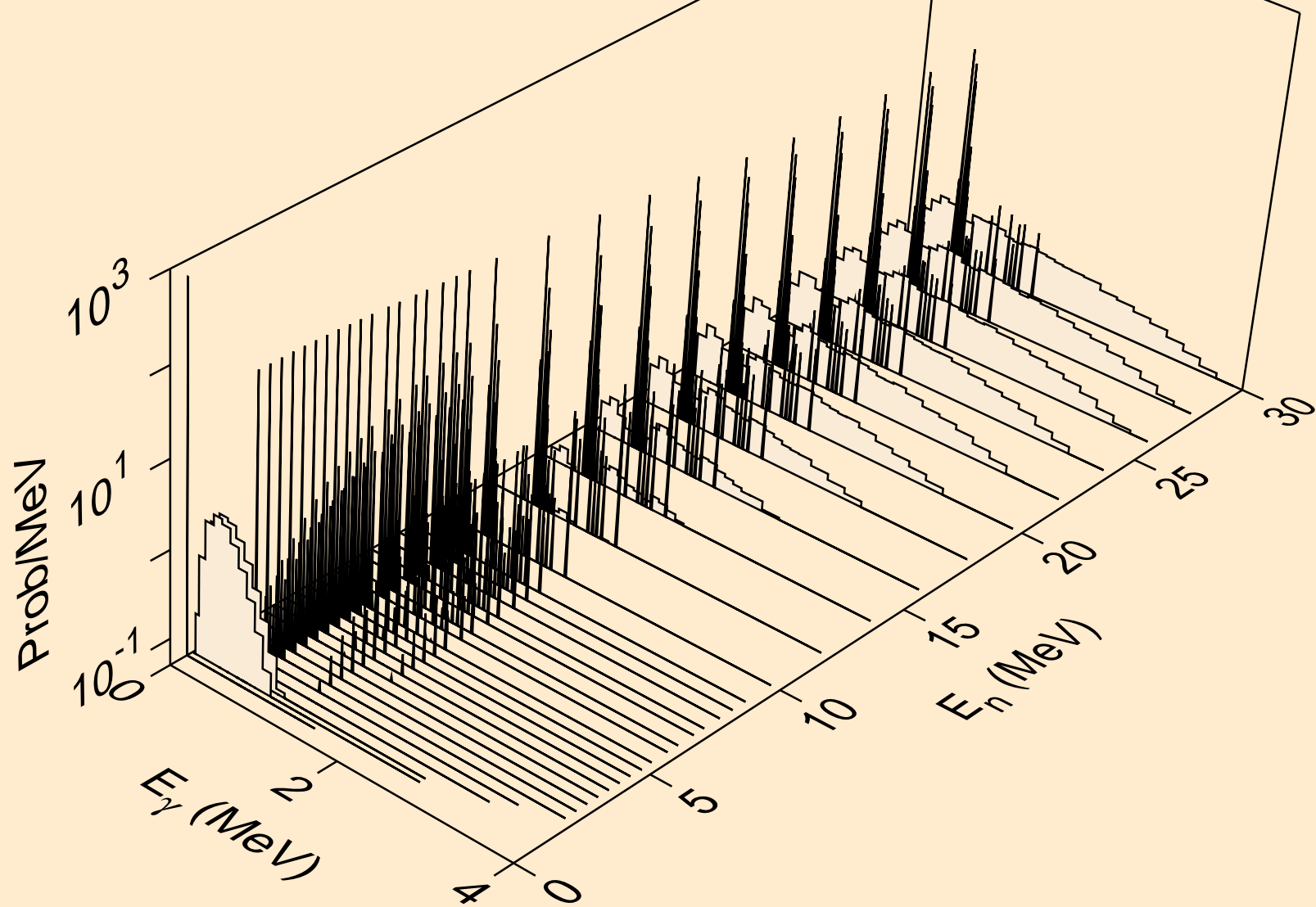
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



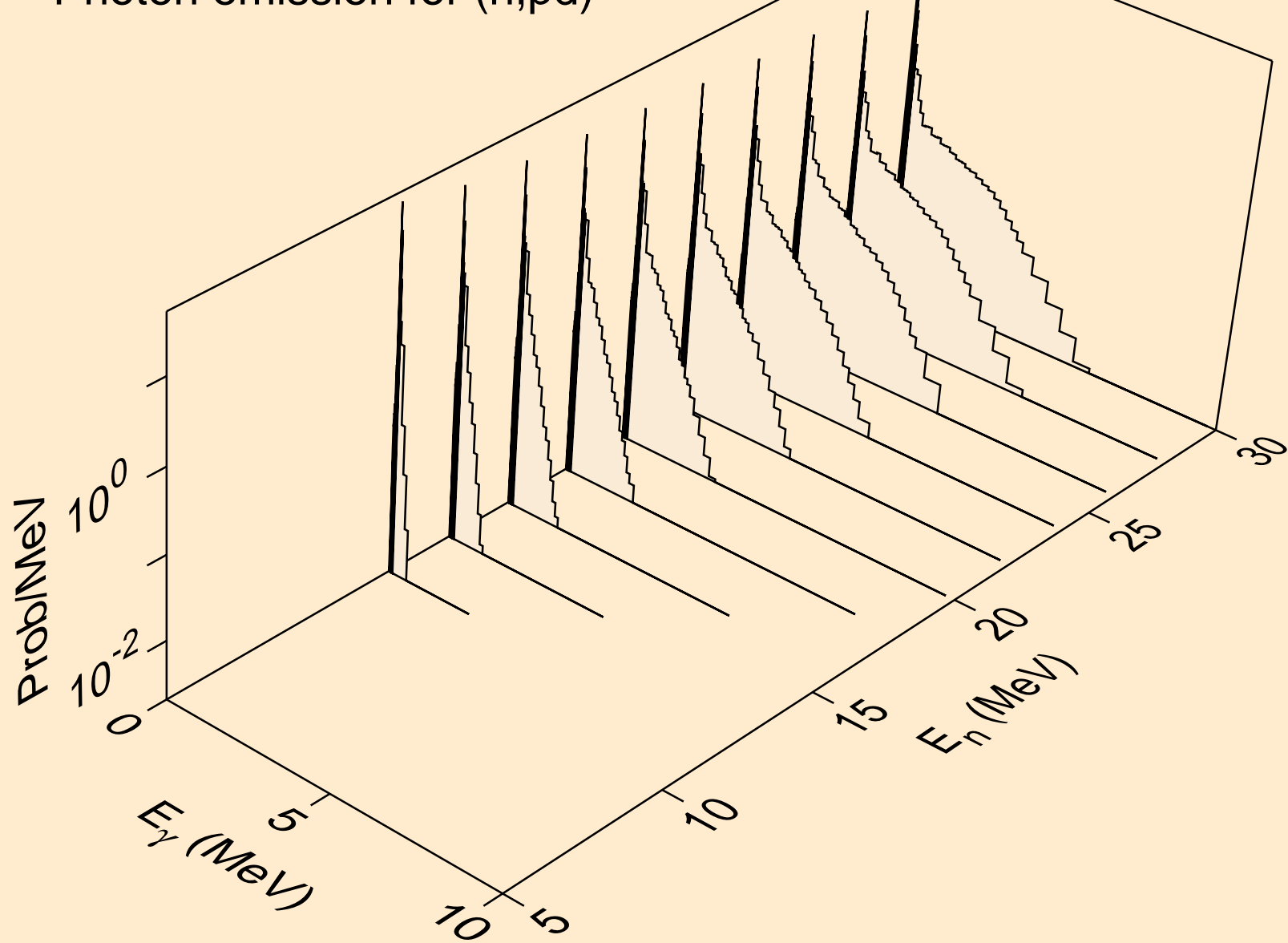
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Photon emission for (n,2p)



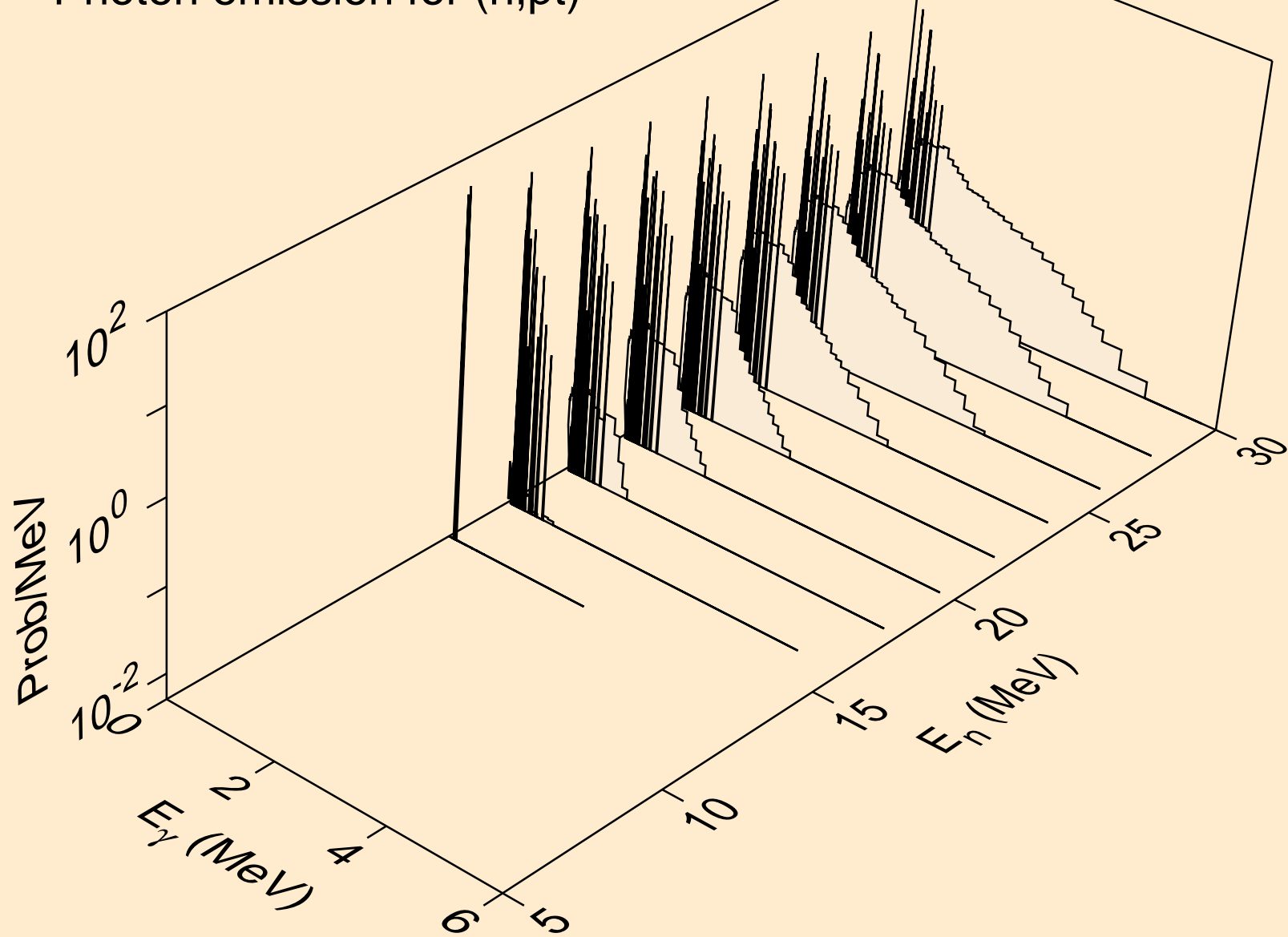
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



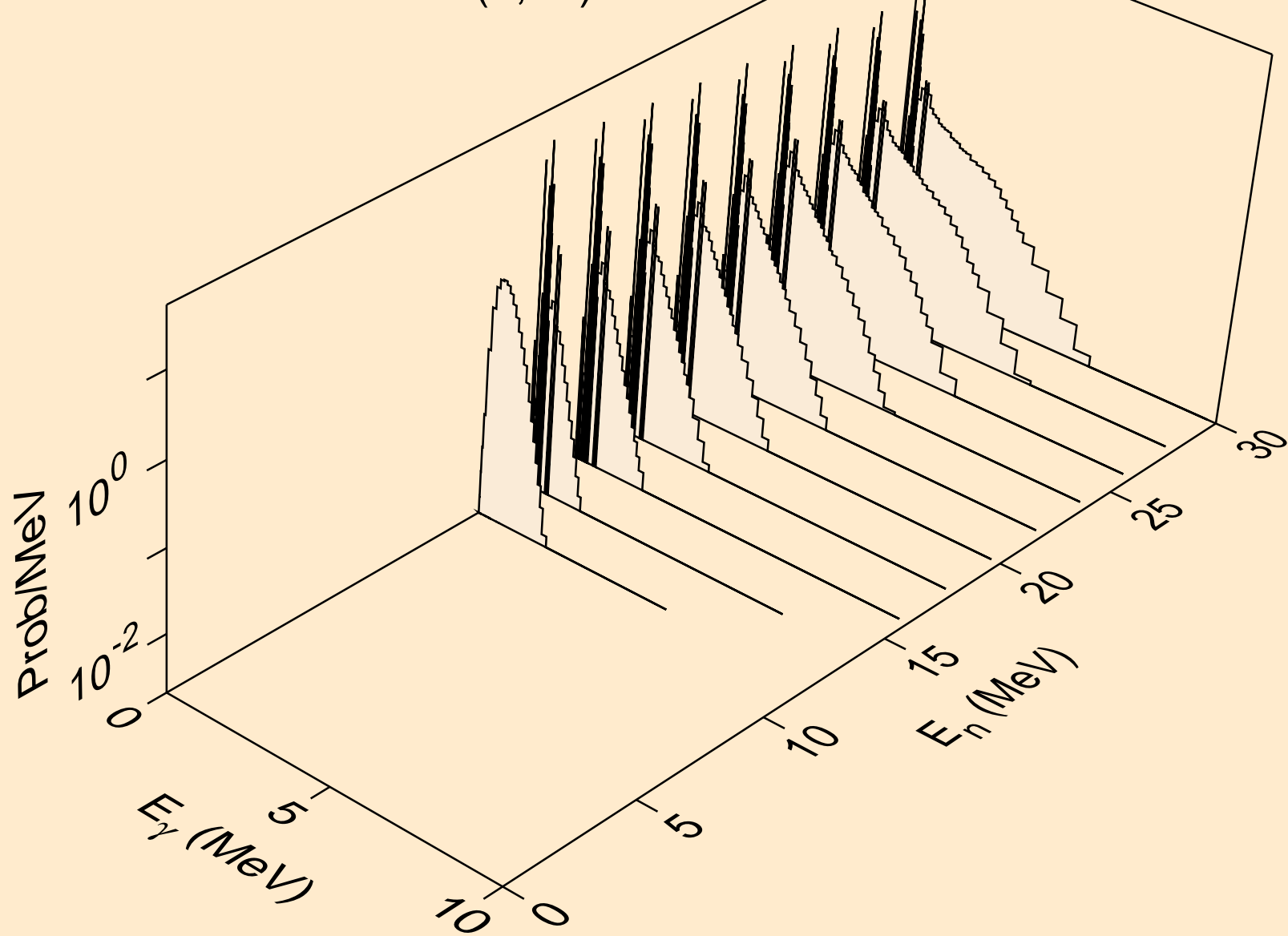
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



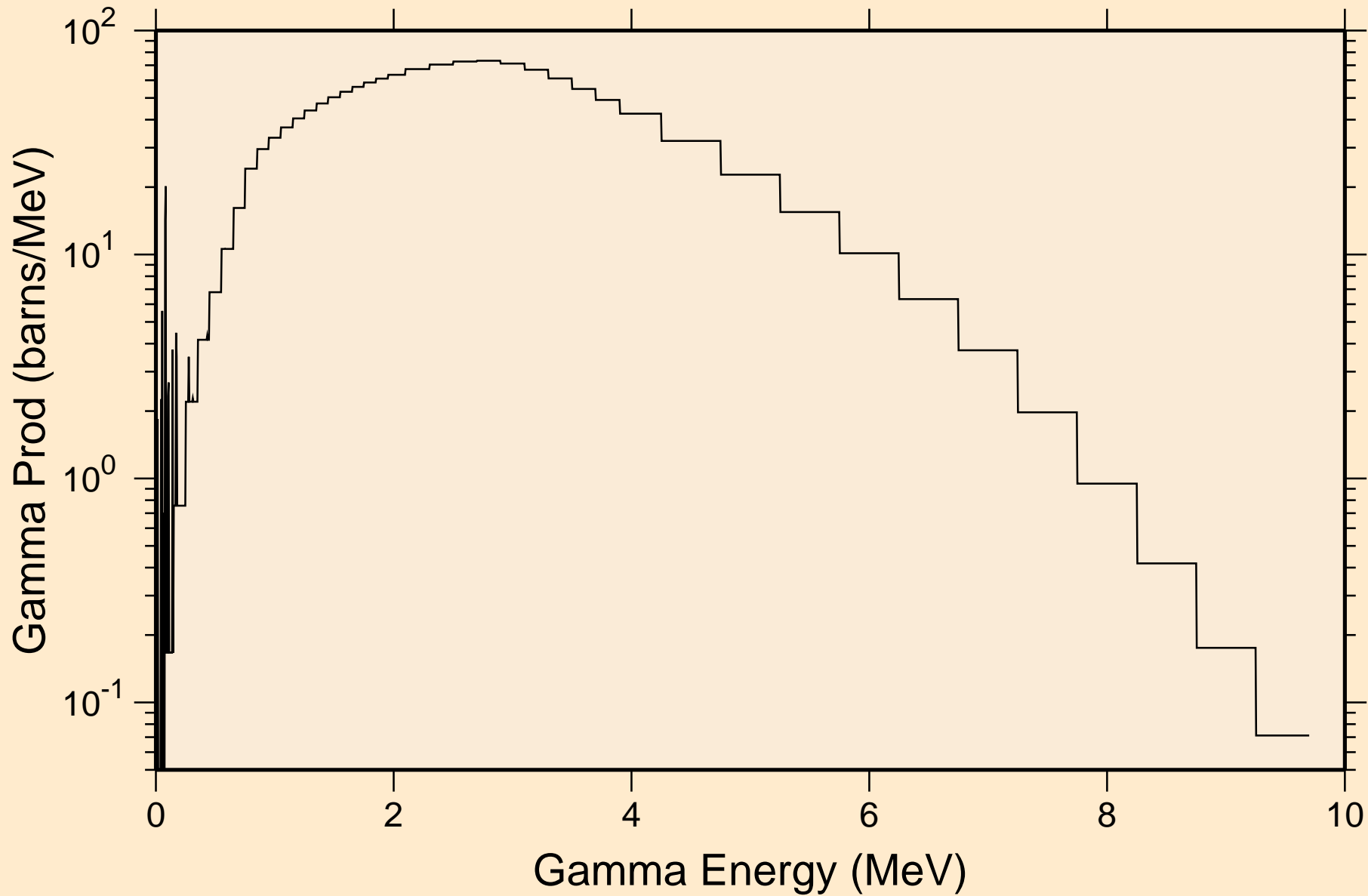
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



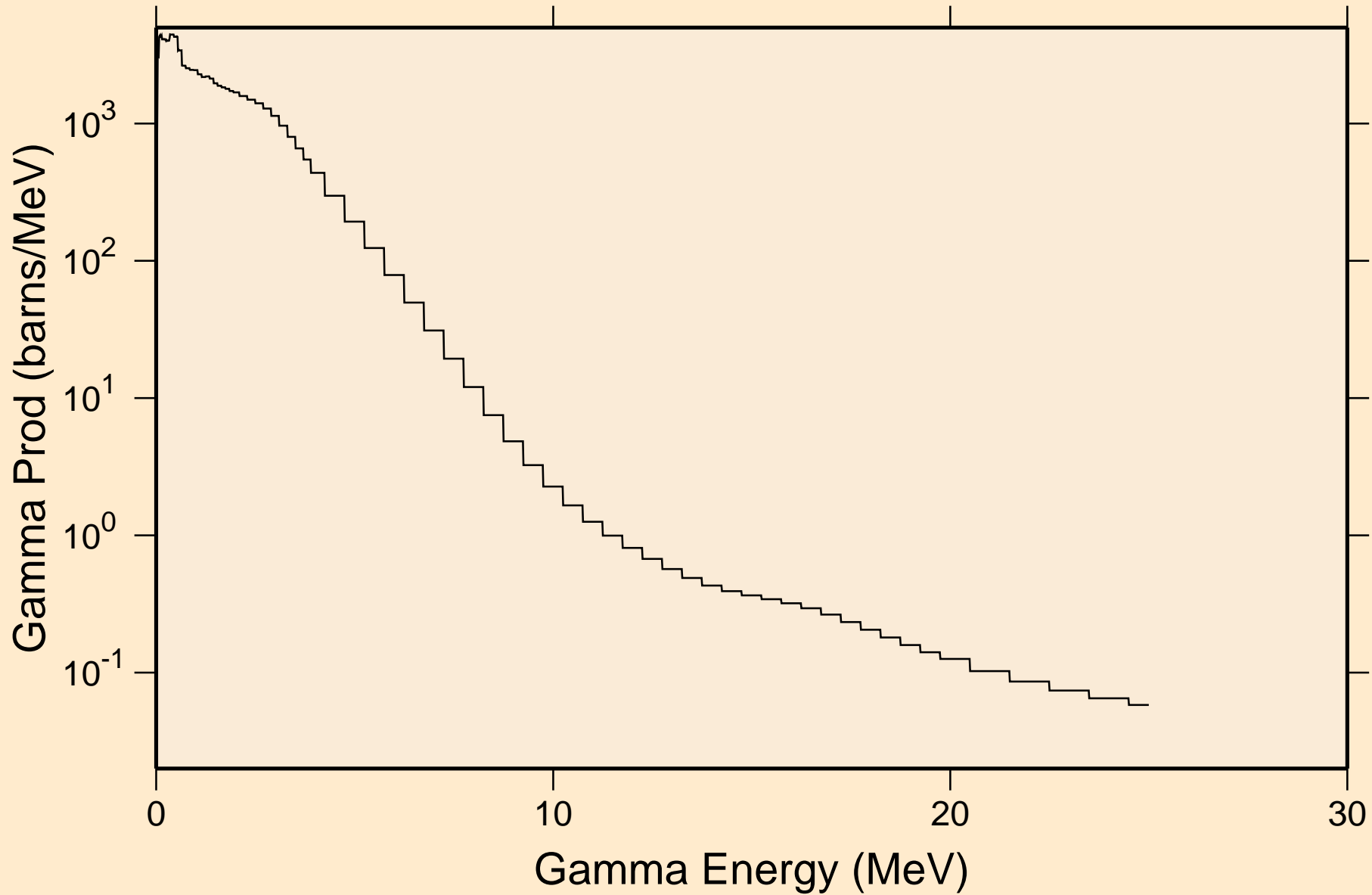
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

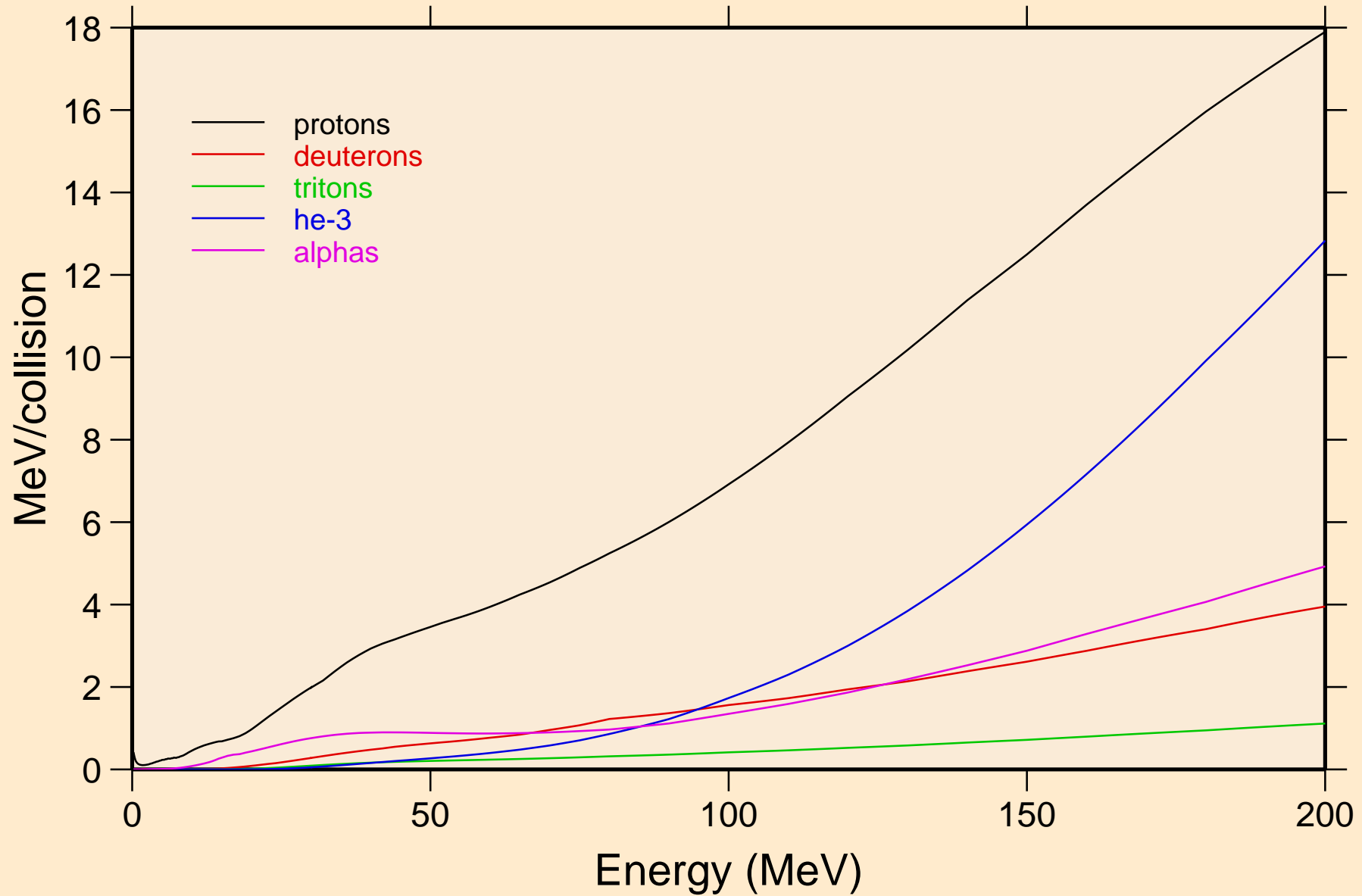


CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



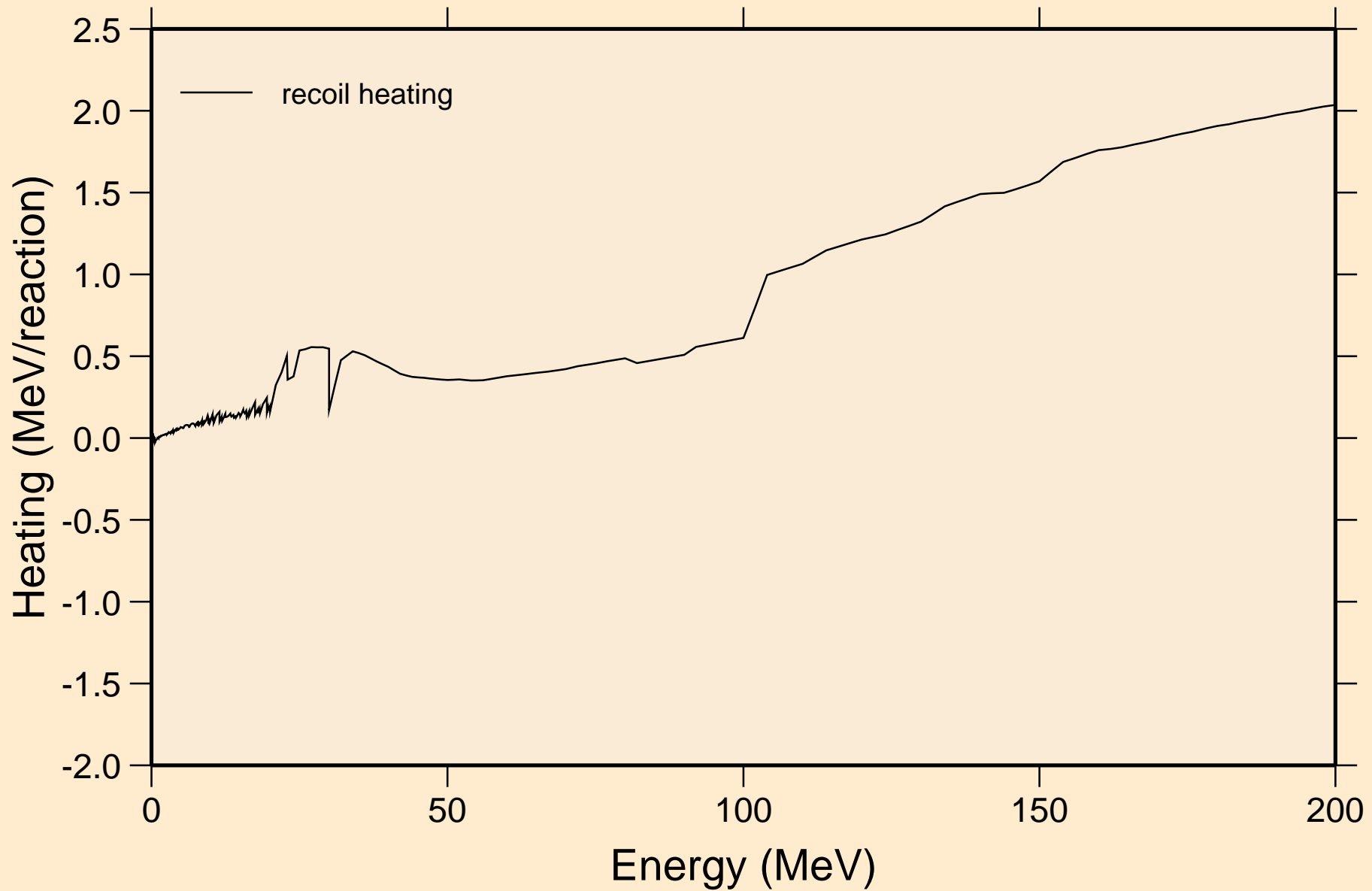
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## Particle heating contributions



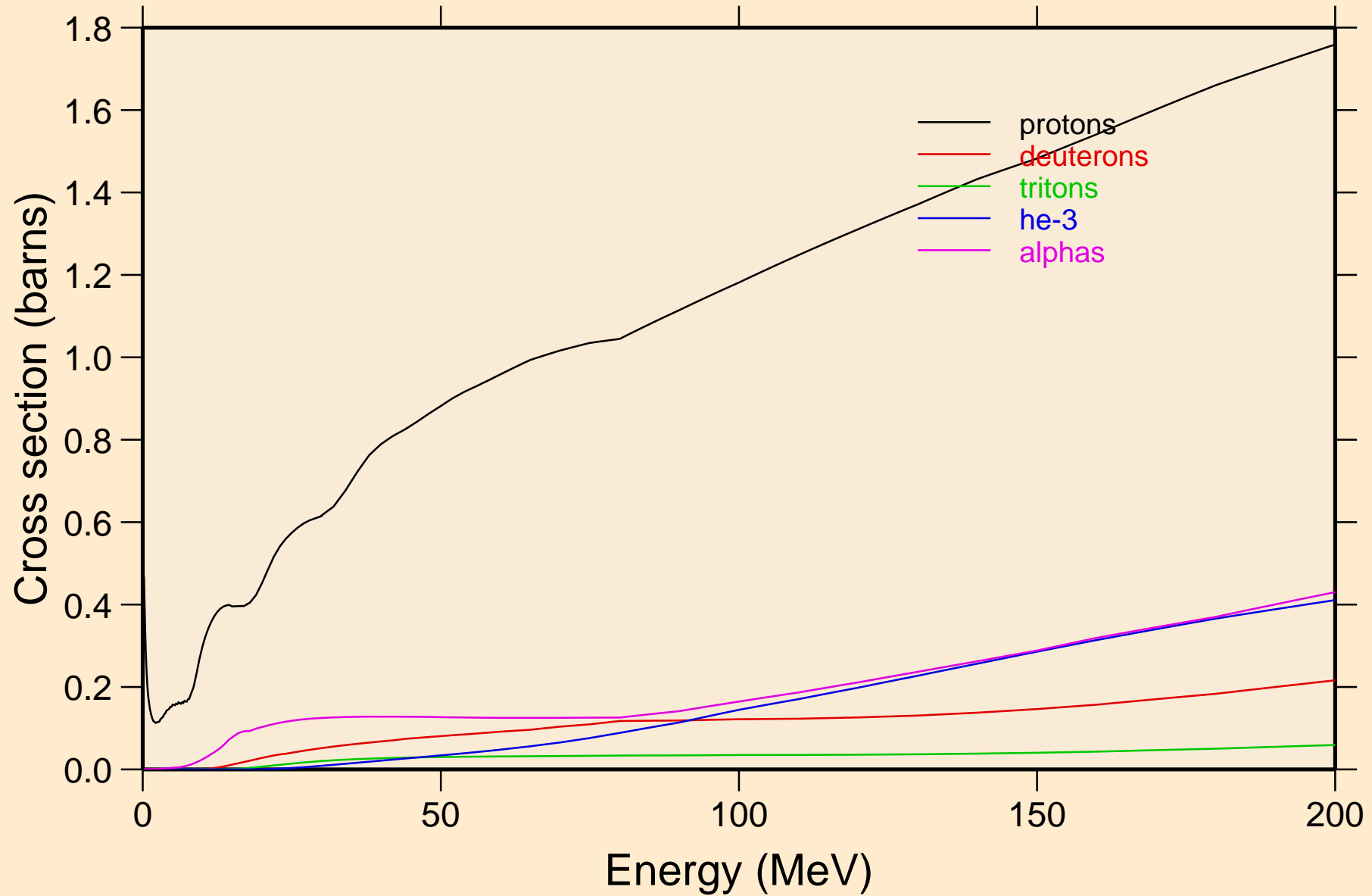
# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

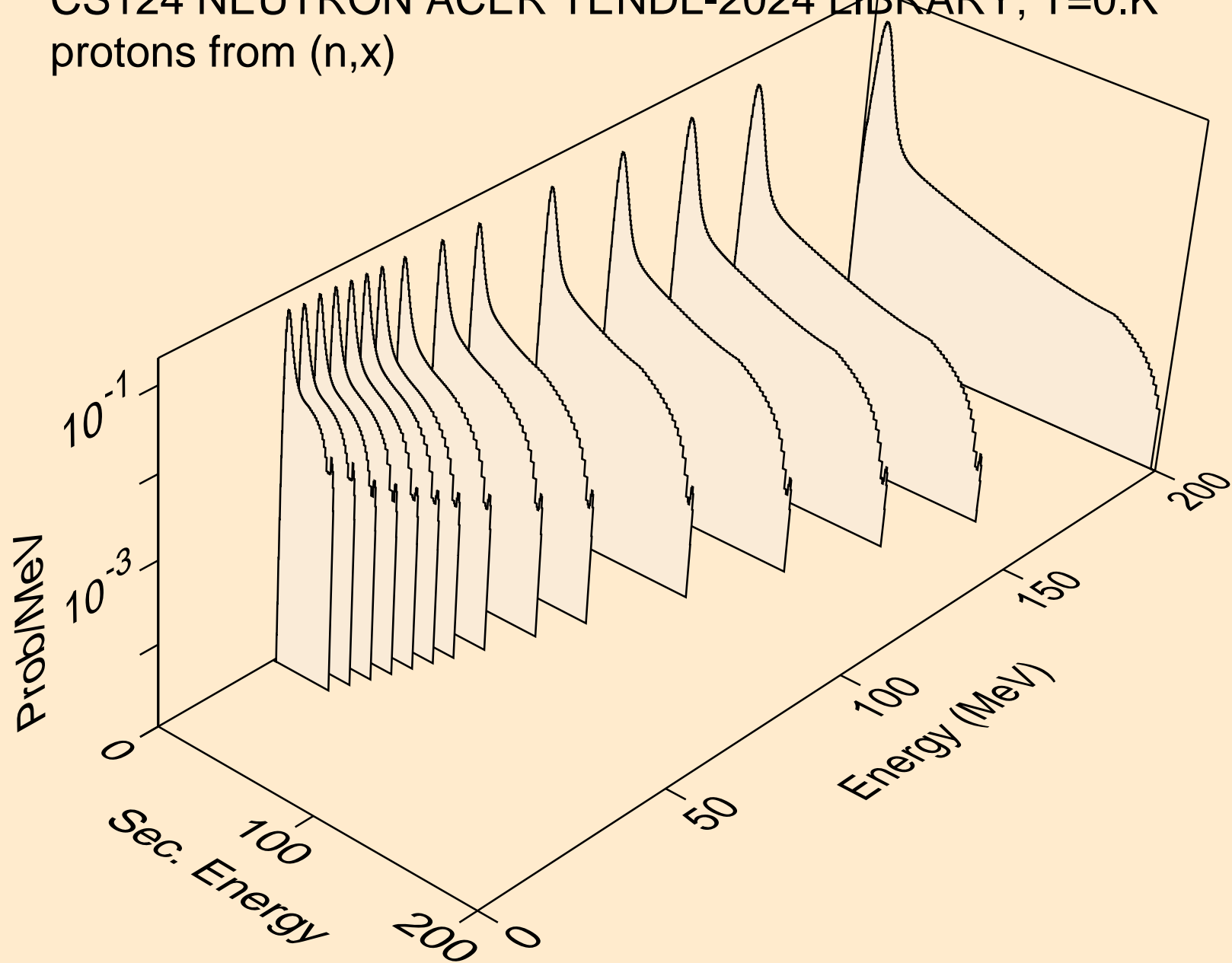


# CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

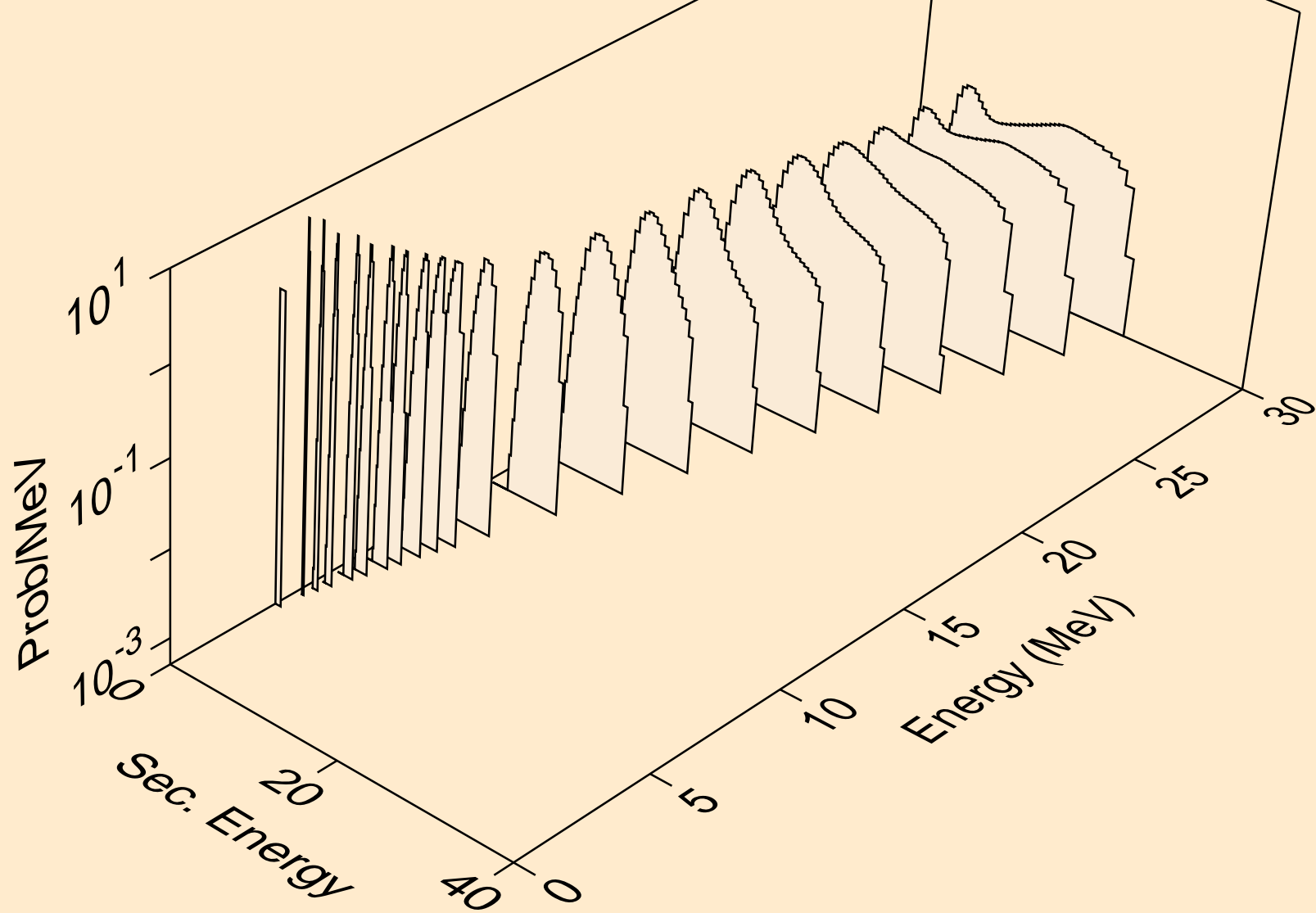
## Particle production cross sections



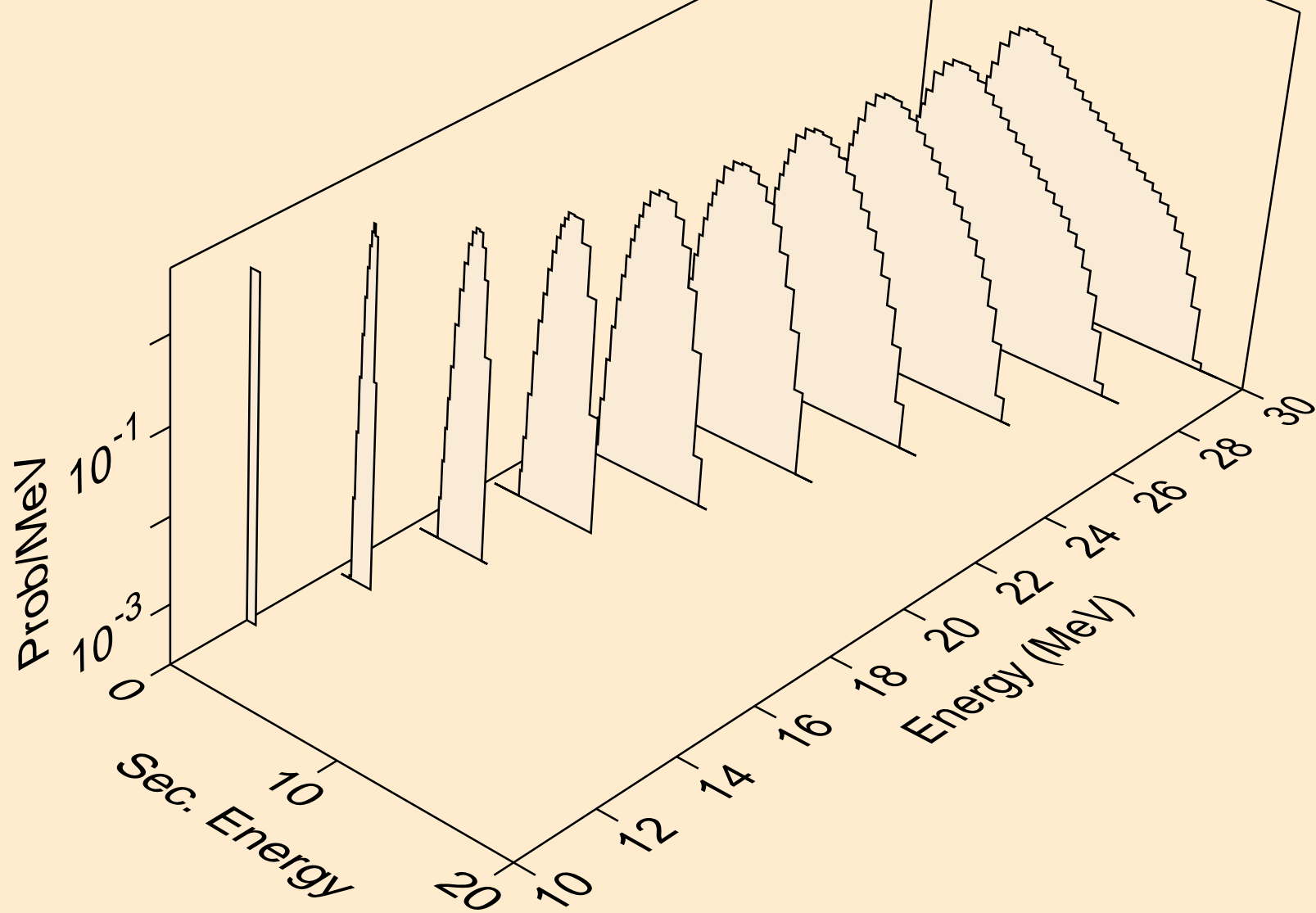
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



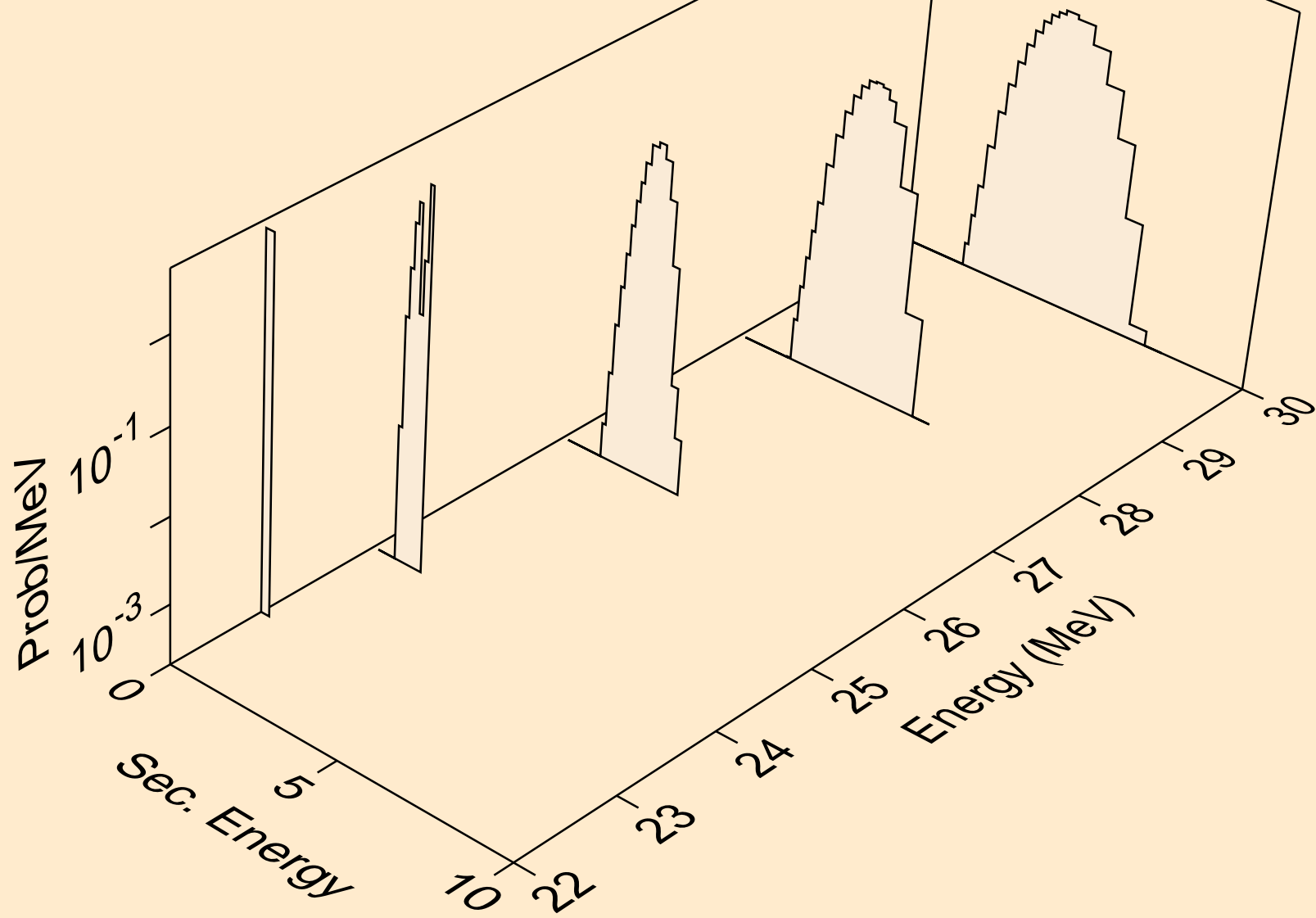
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



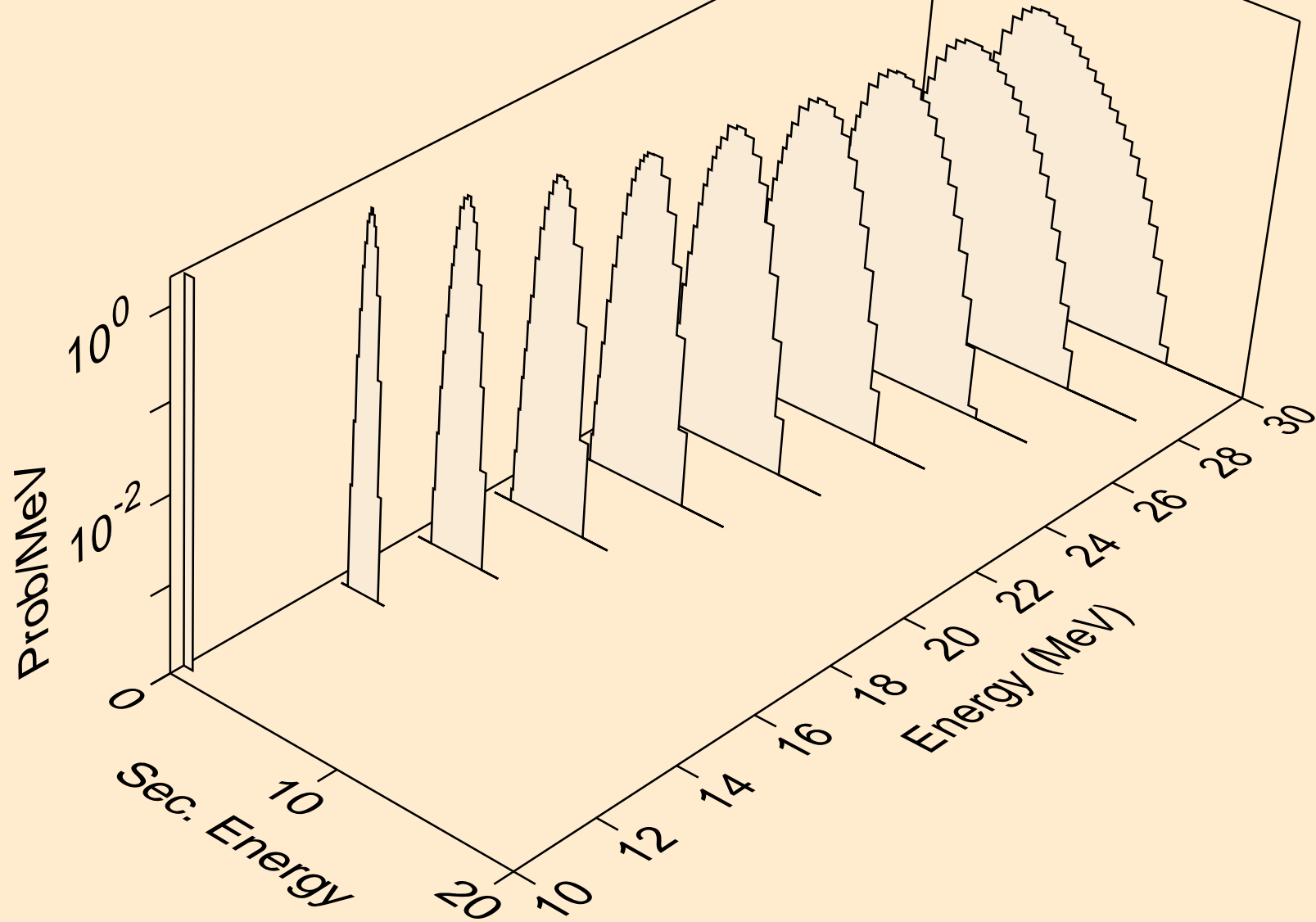
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protons from (n,2np)



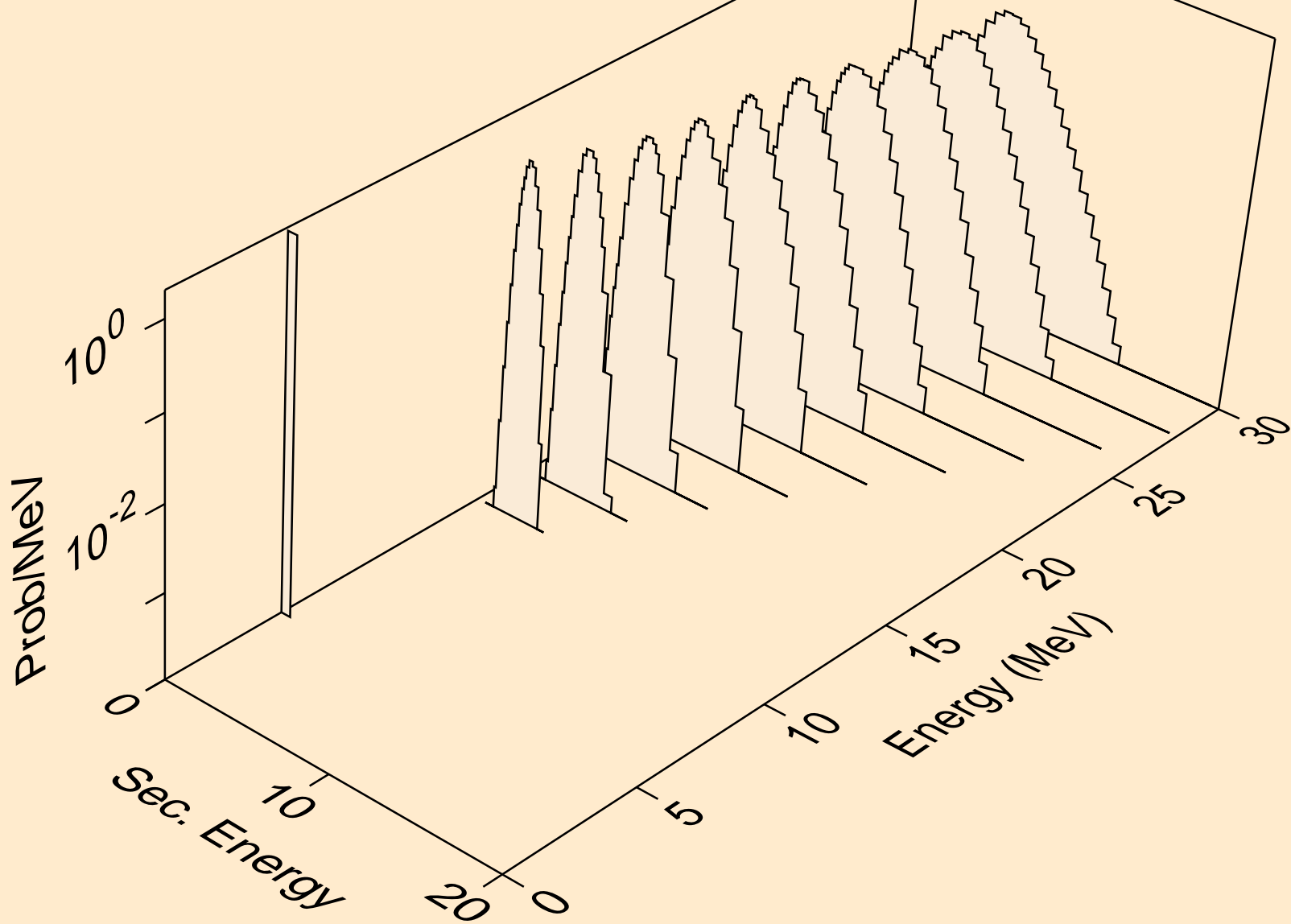
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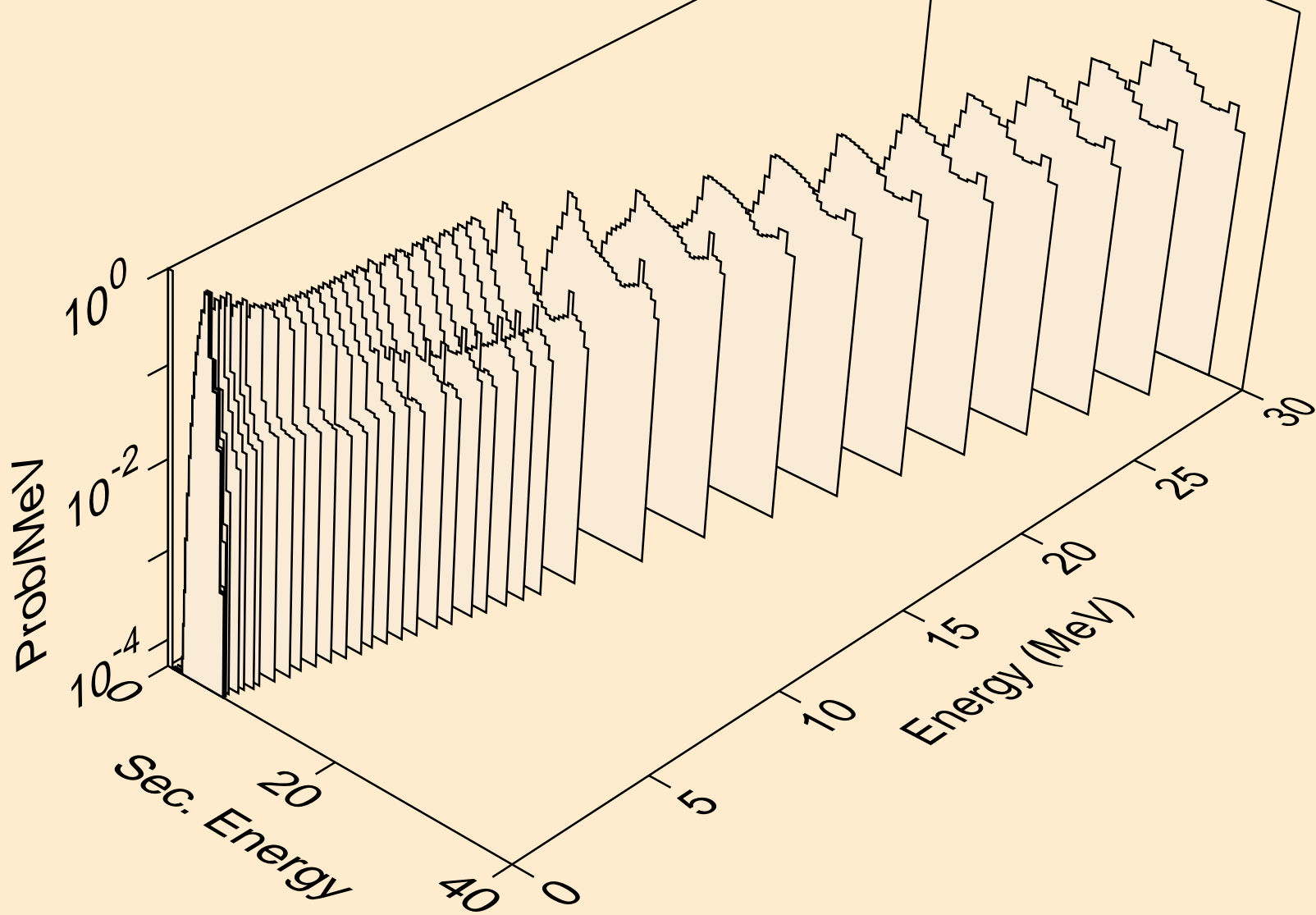
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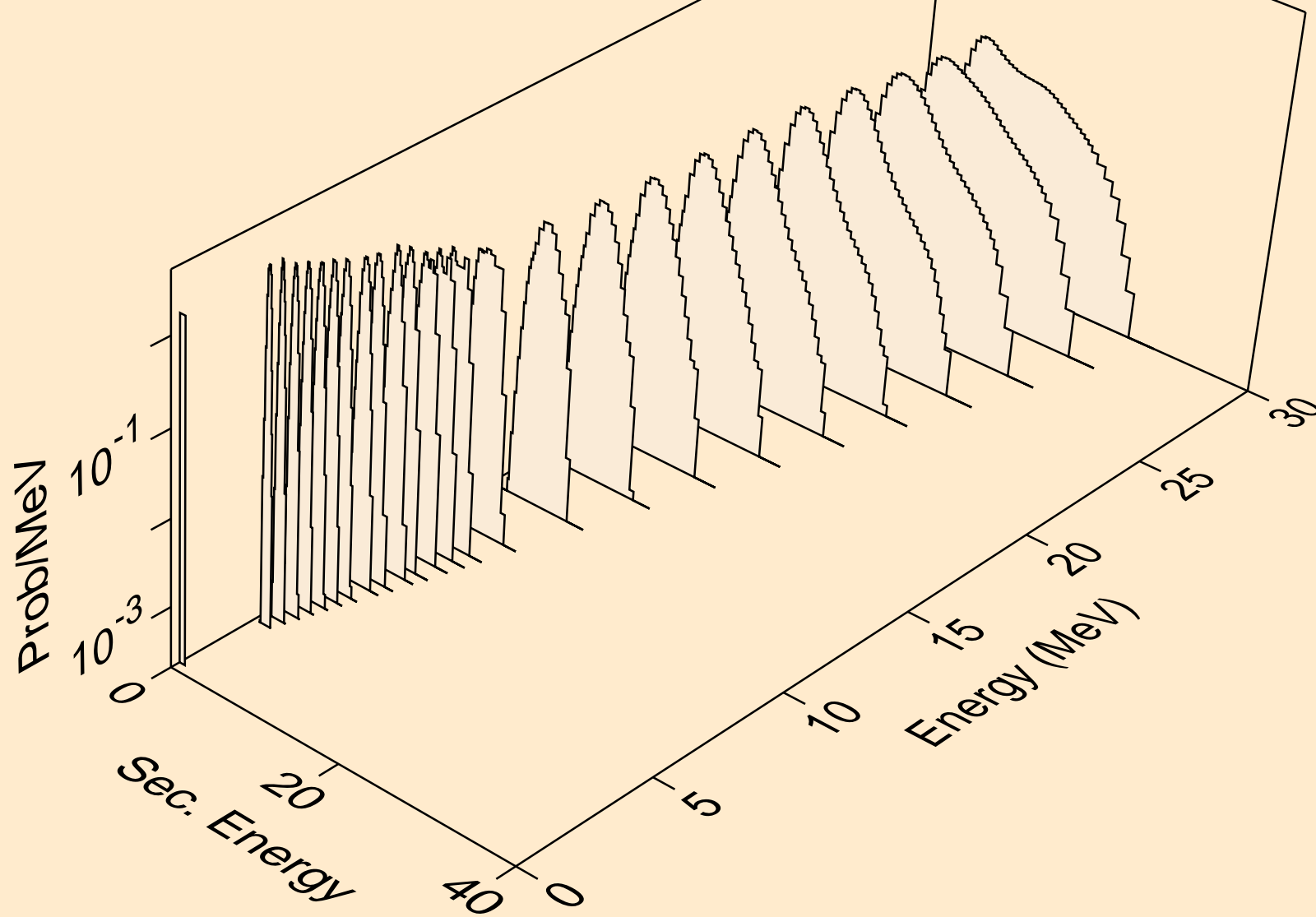
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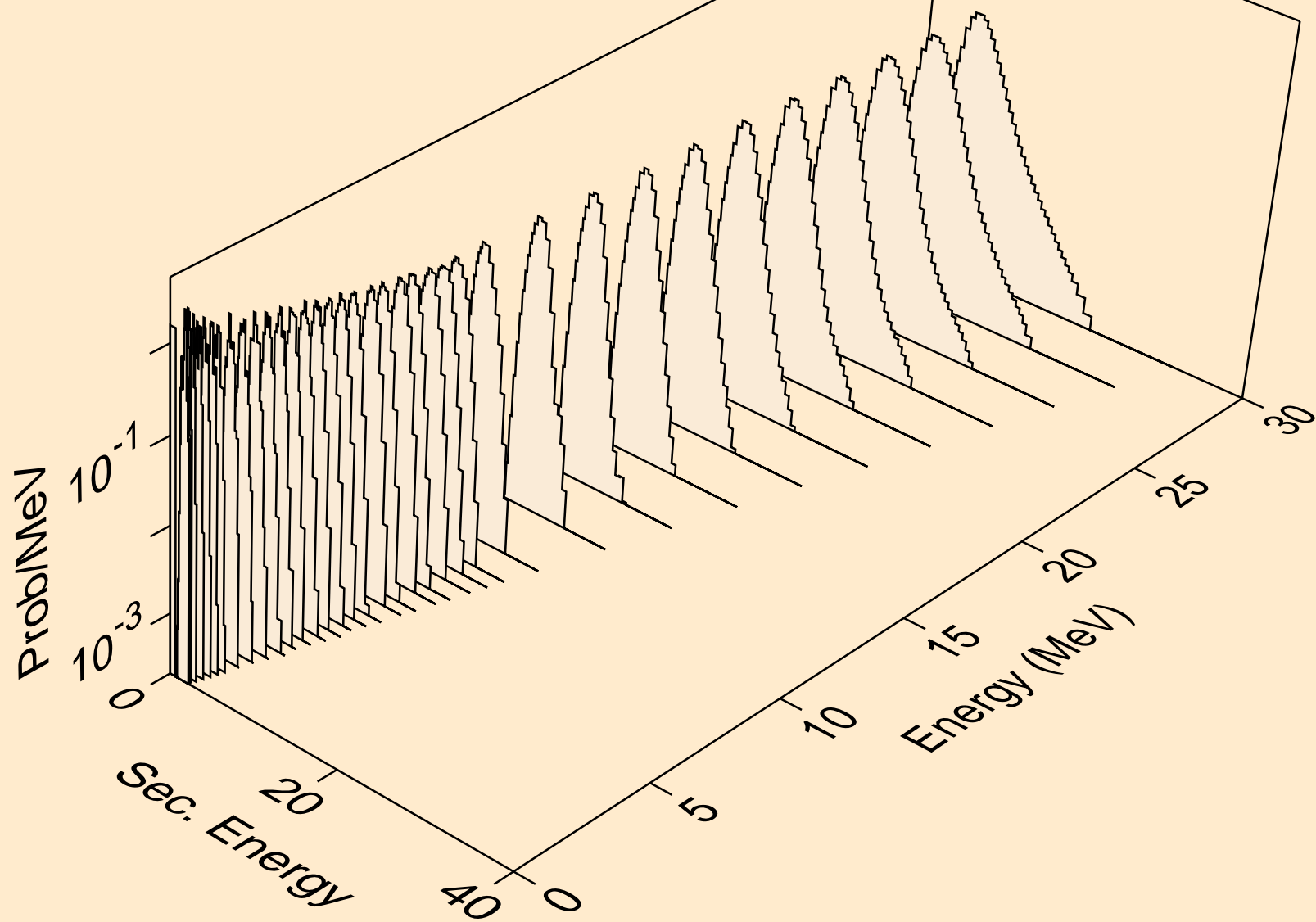
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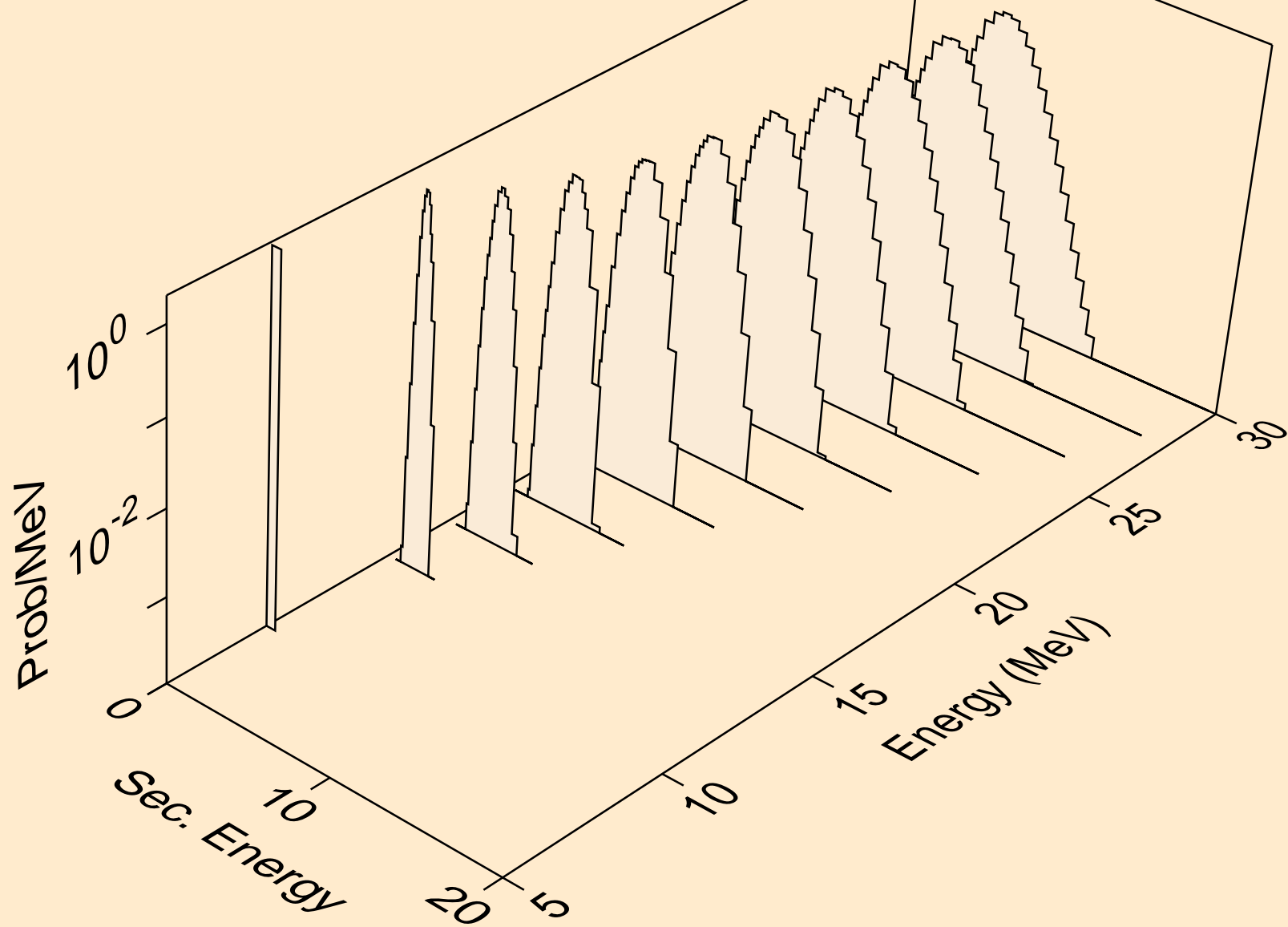
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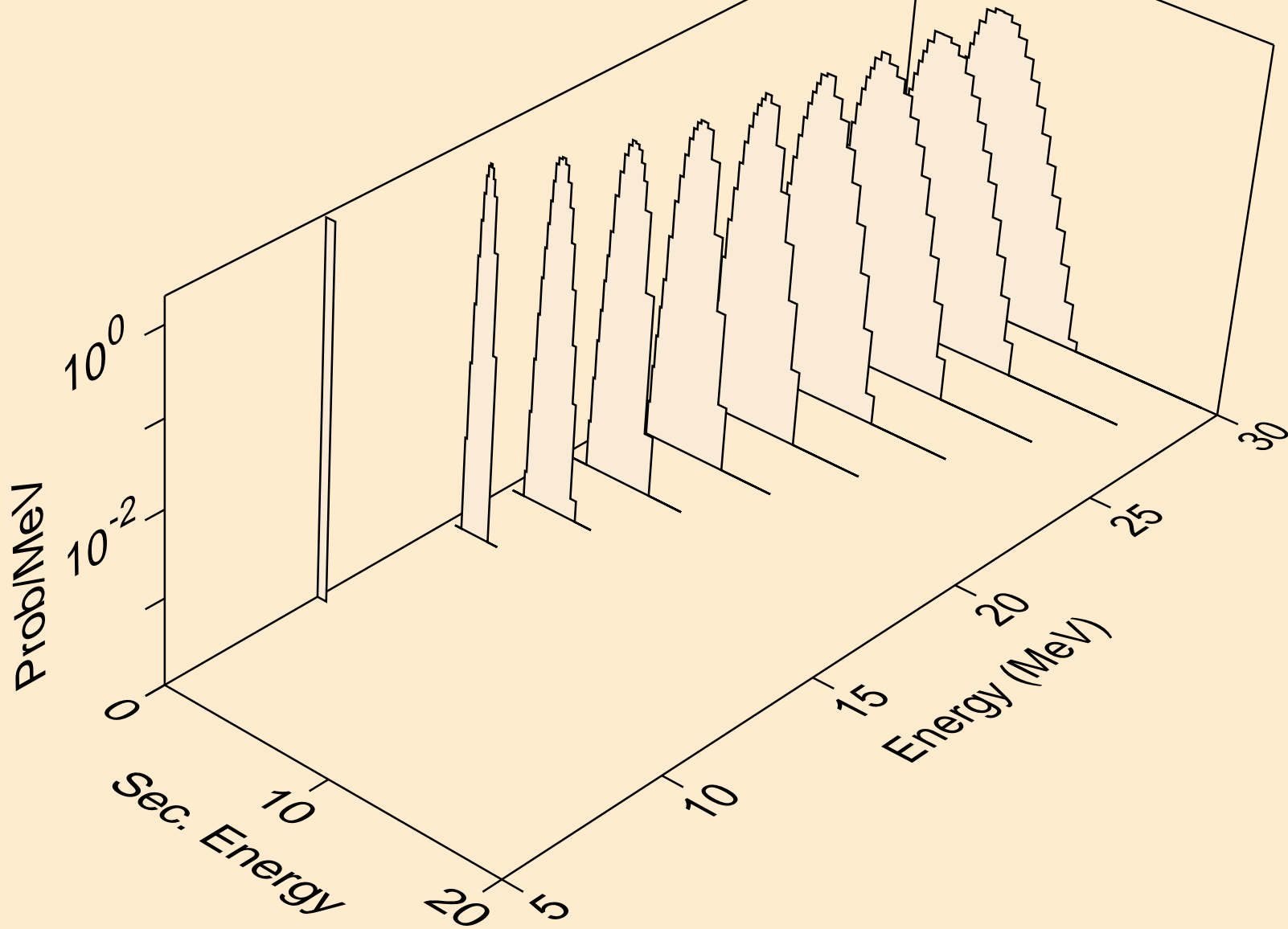
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protons from (n,p)



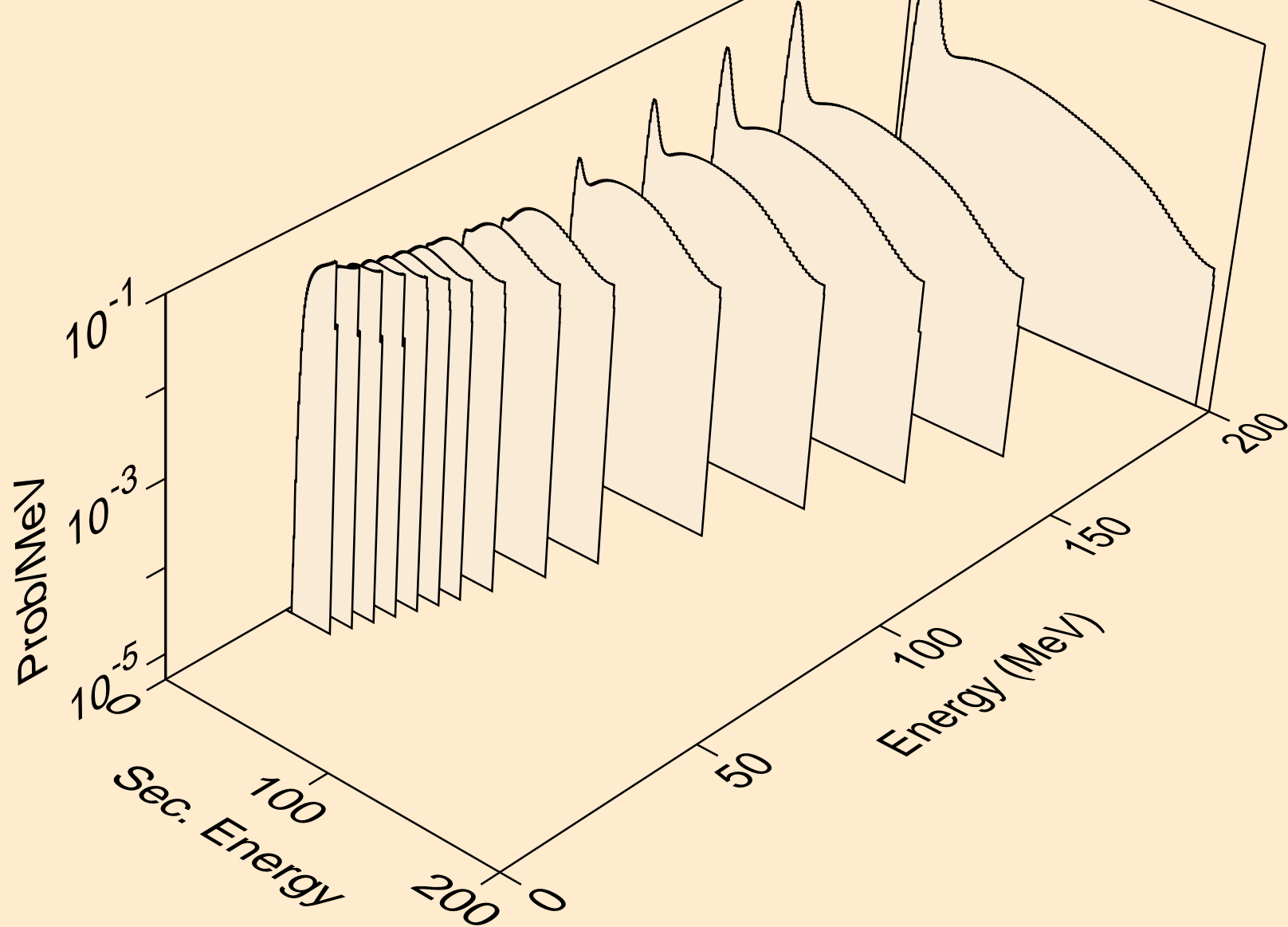
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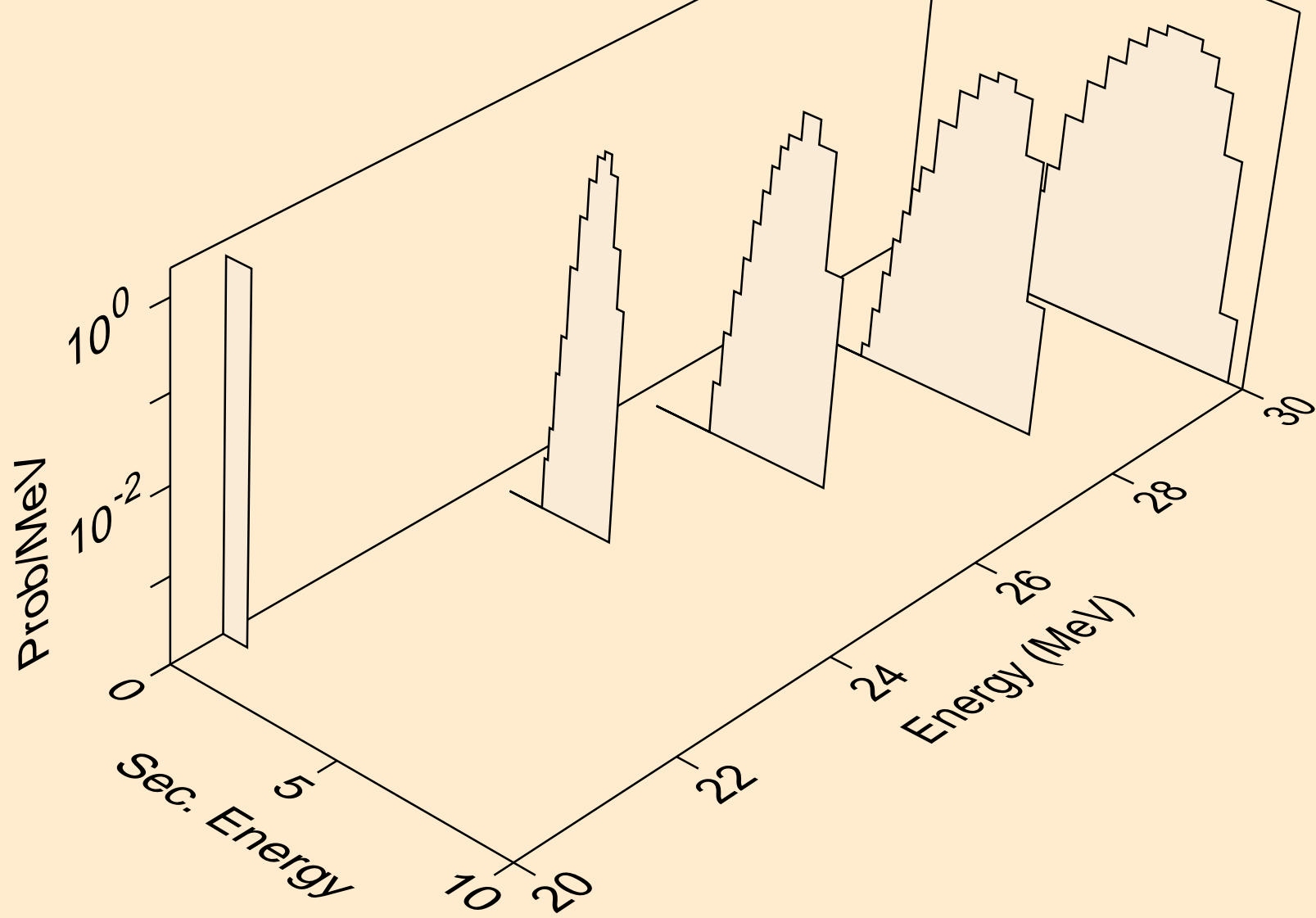
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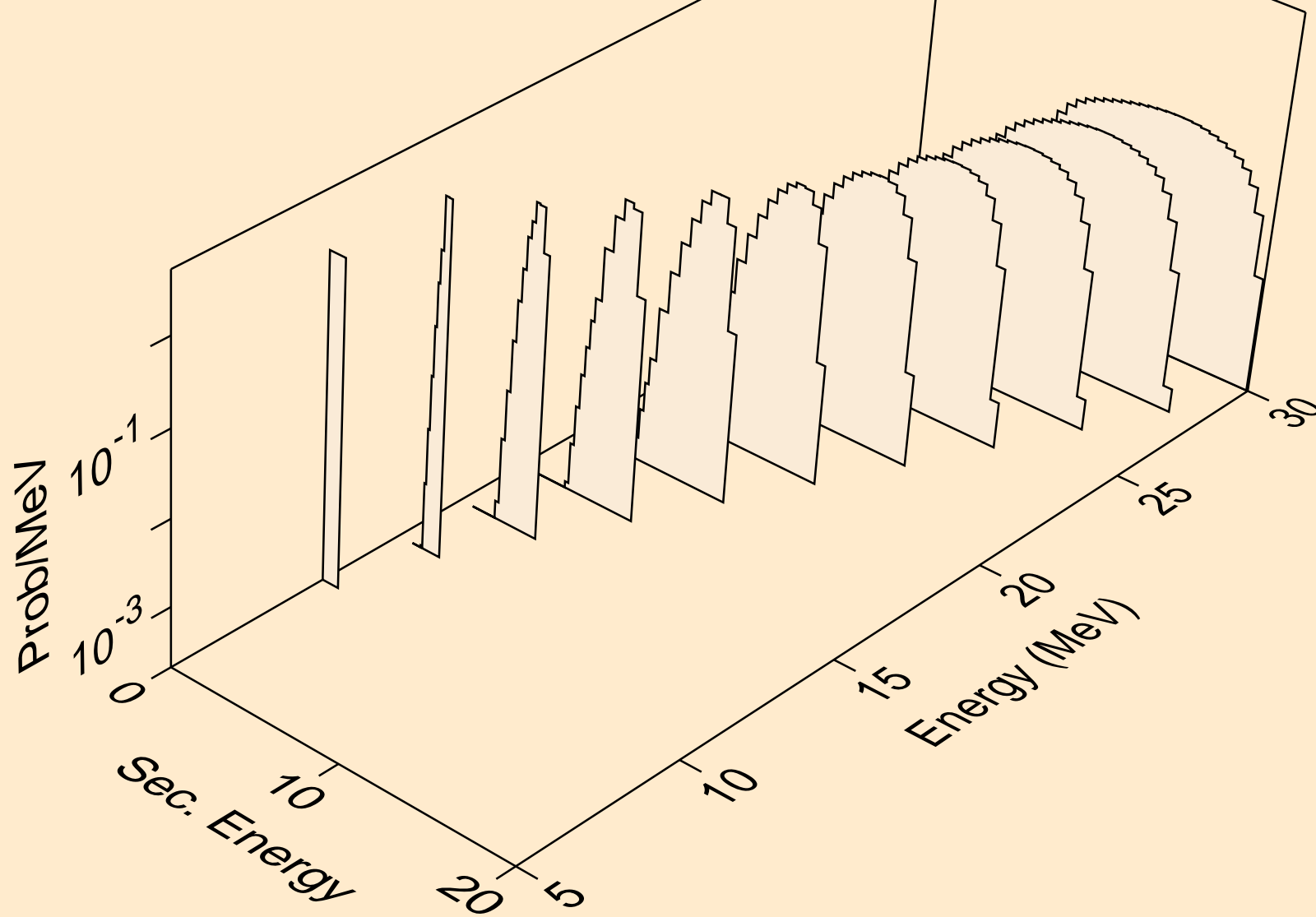
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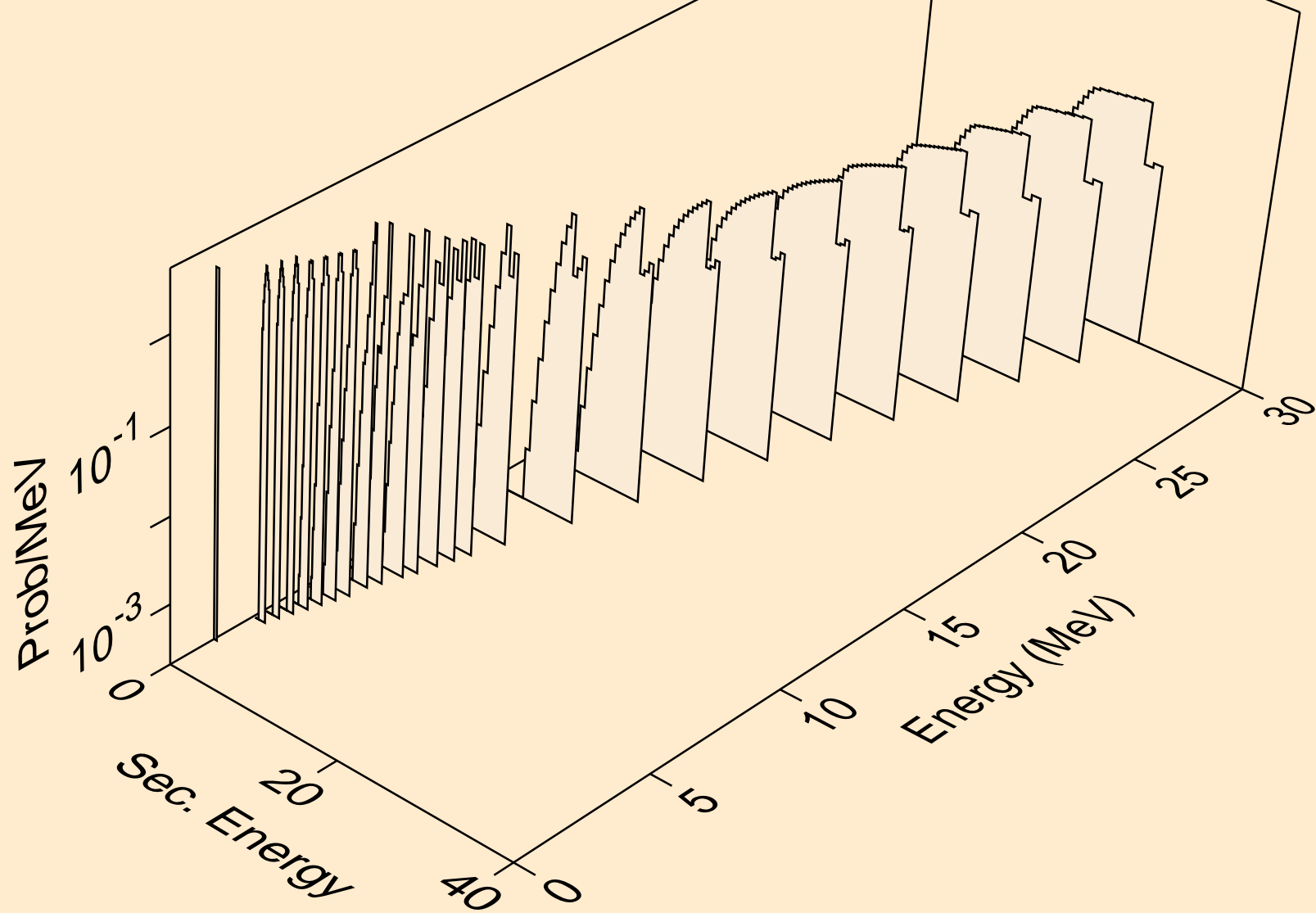
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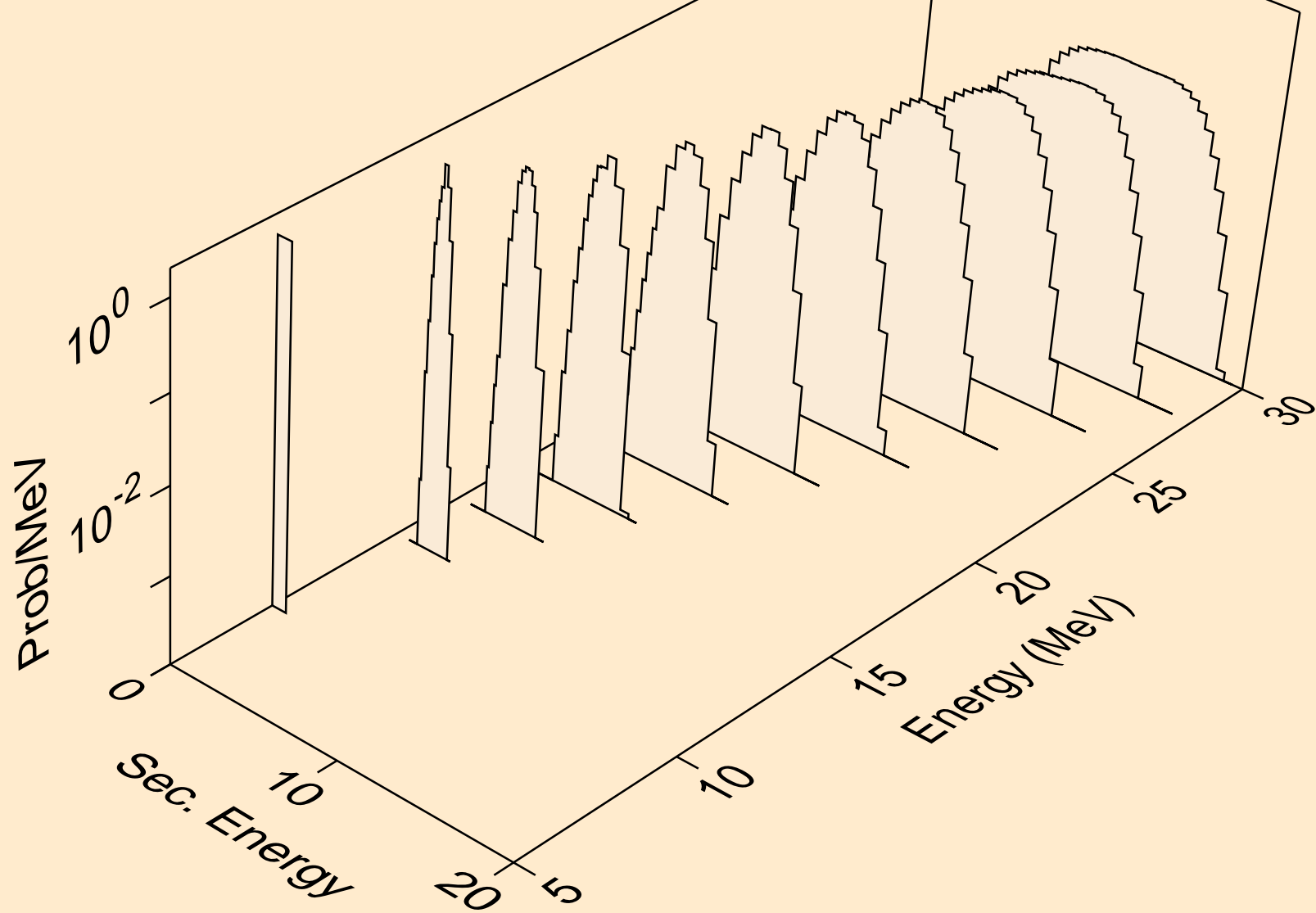
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deuterons from (n,n\*)d



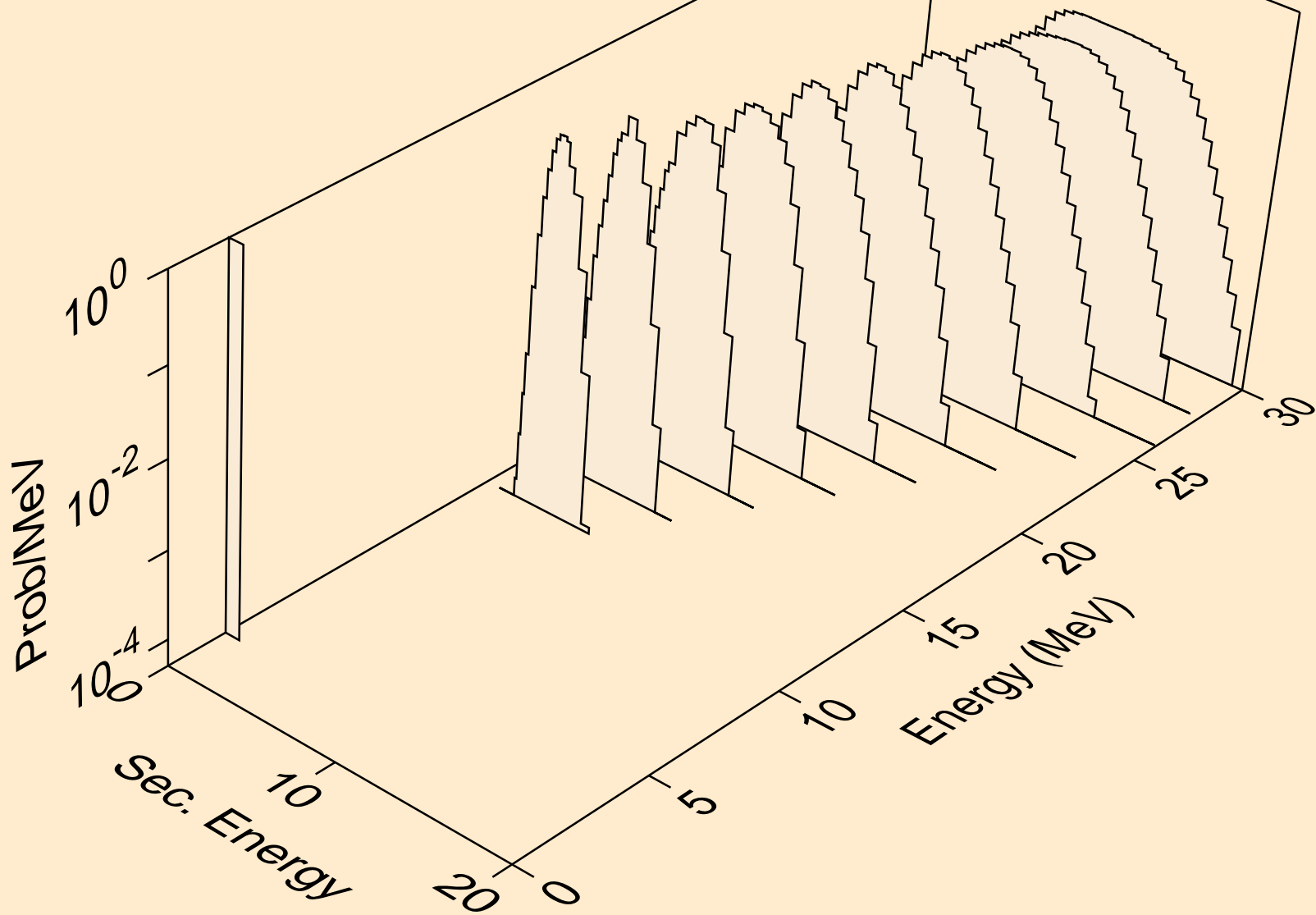
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deuterons from (n,d)



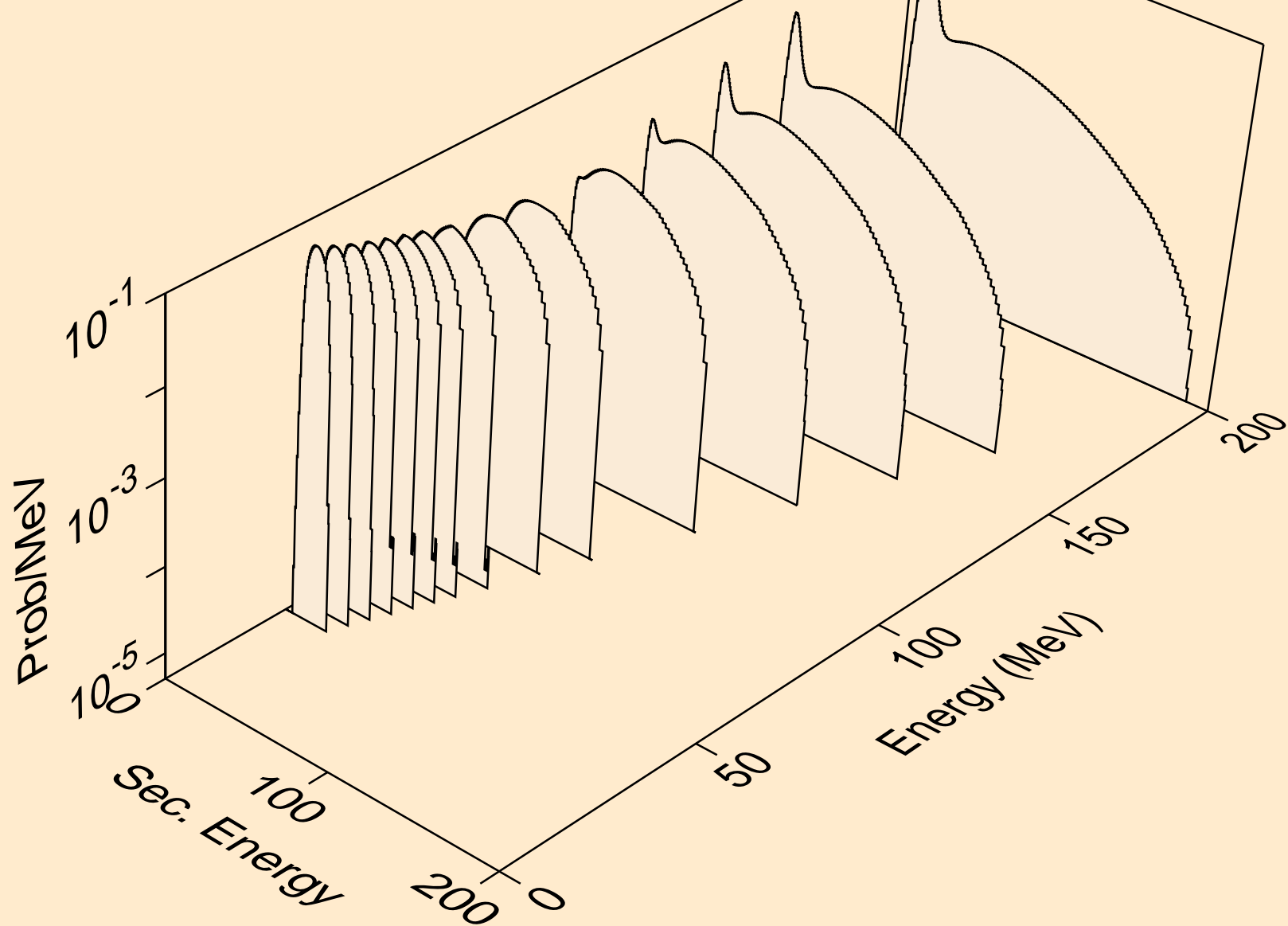
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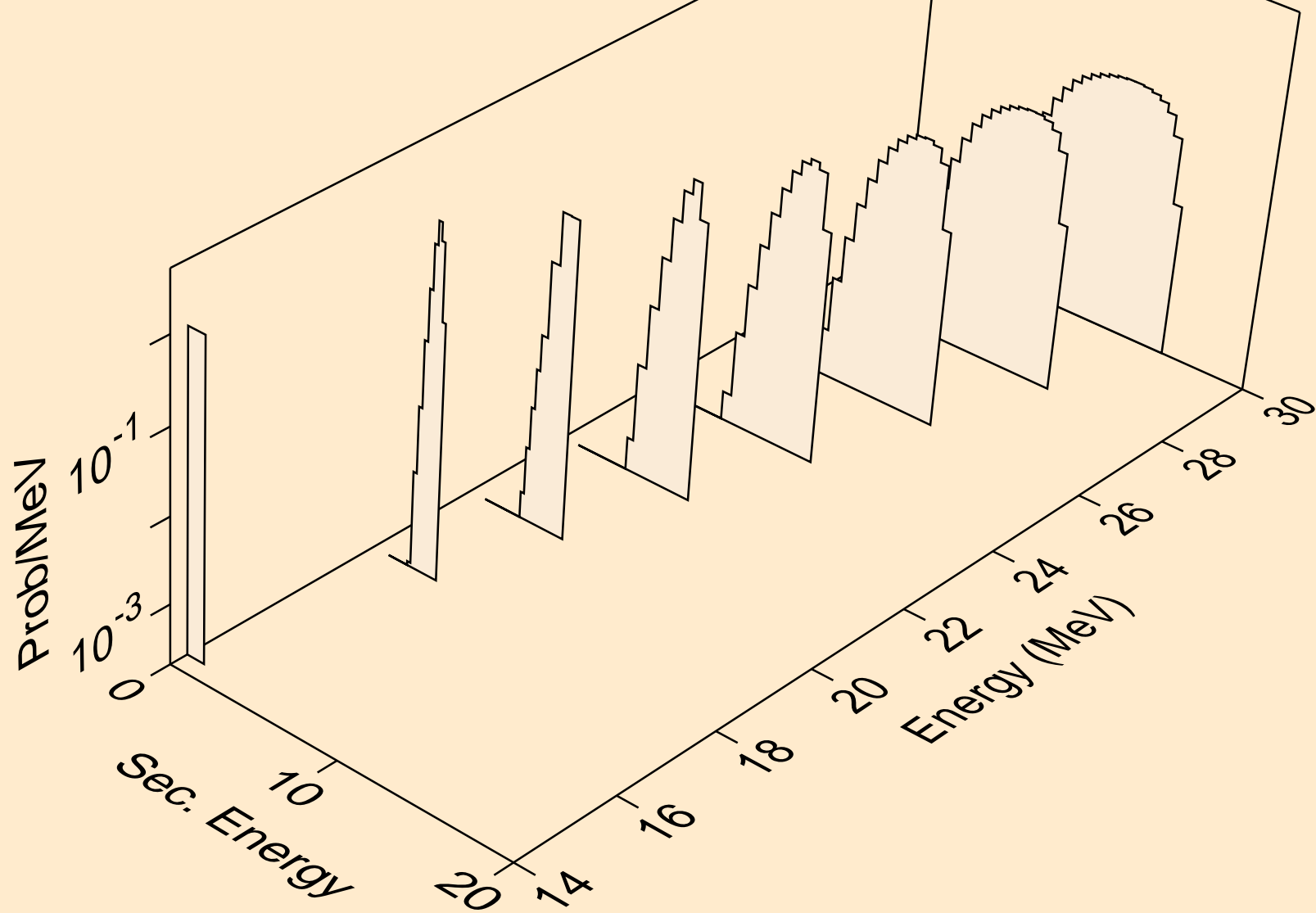
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deuterons from (n,da)



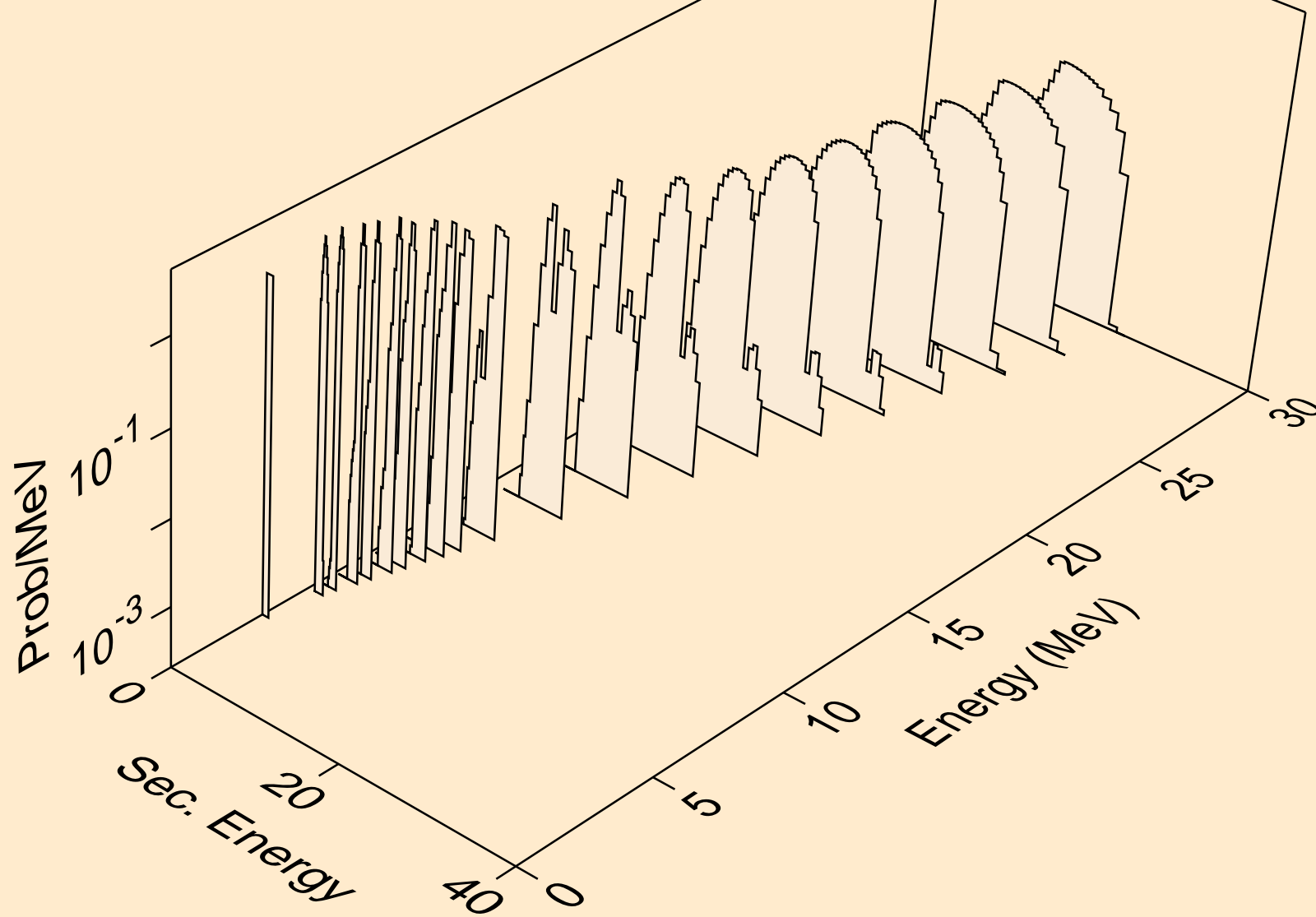
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



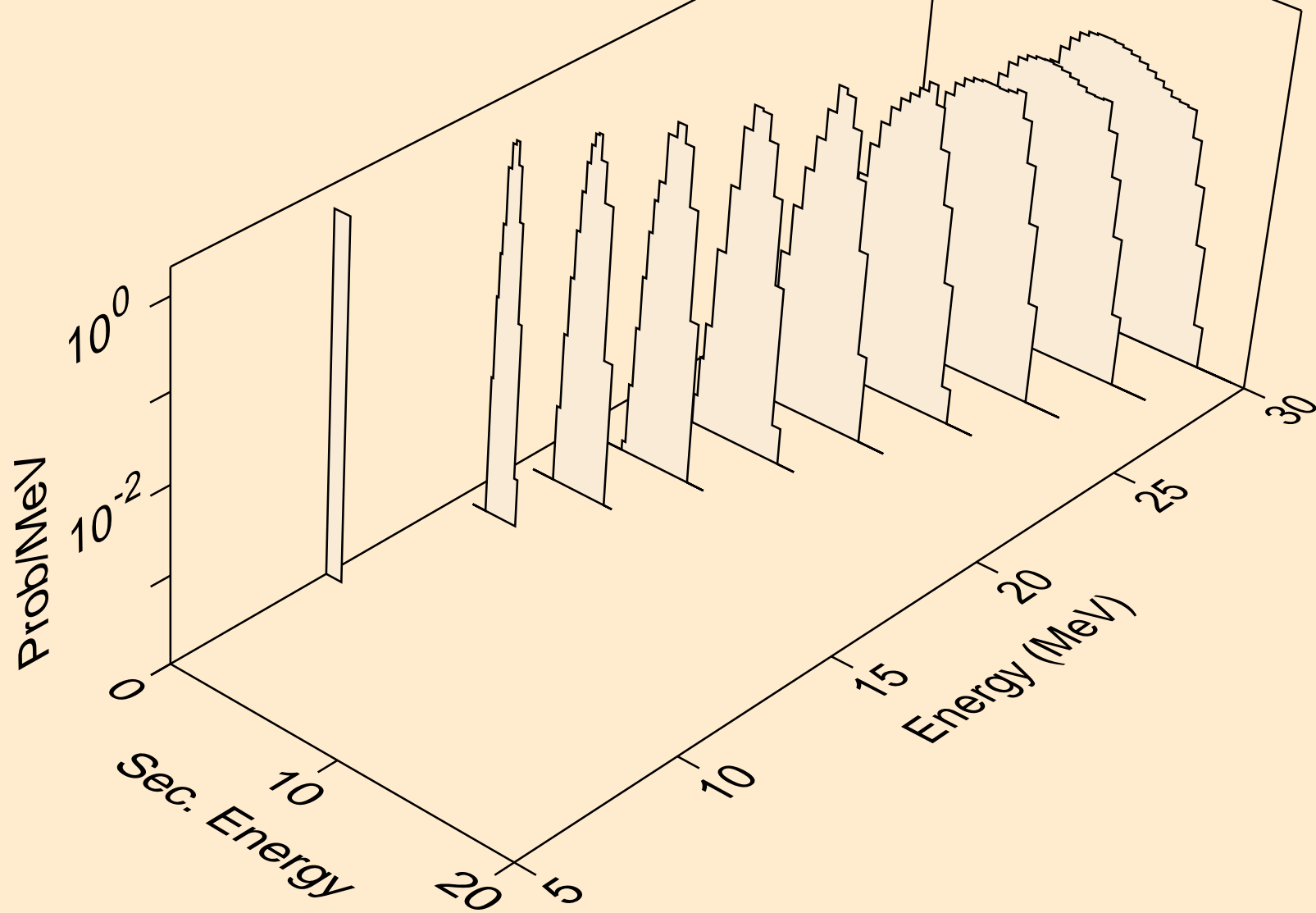
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



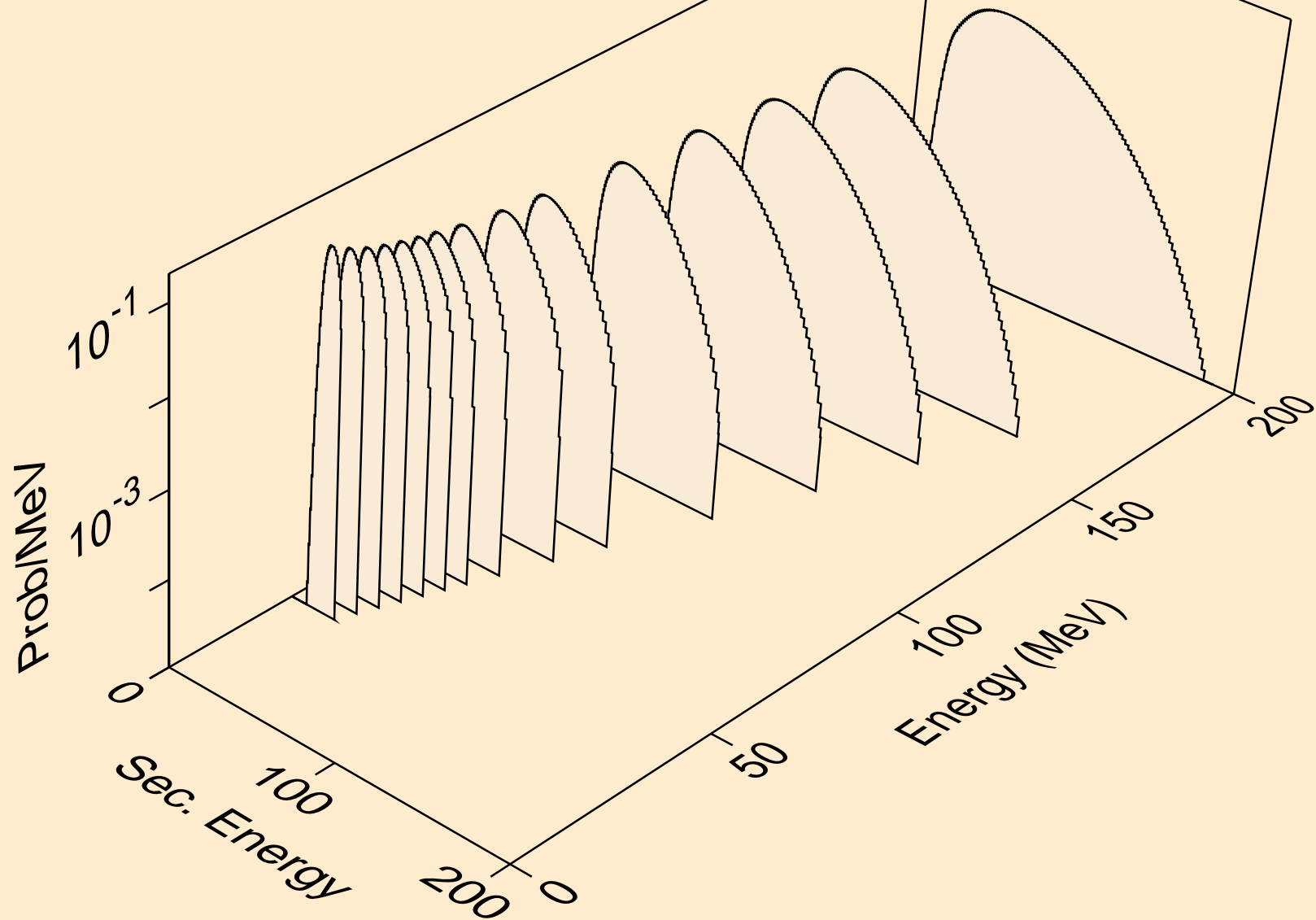
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



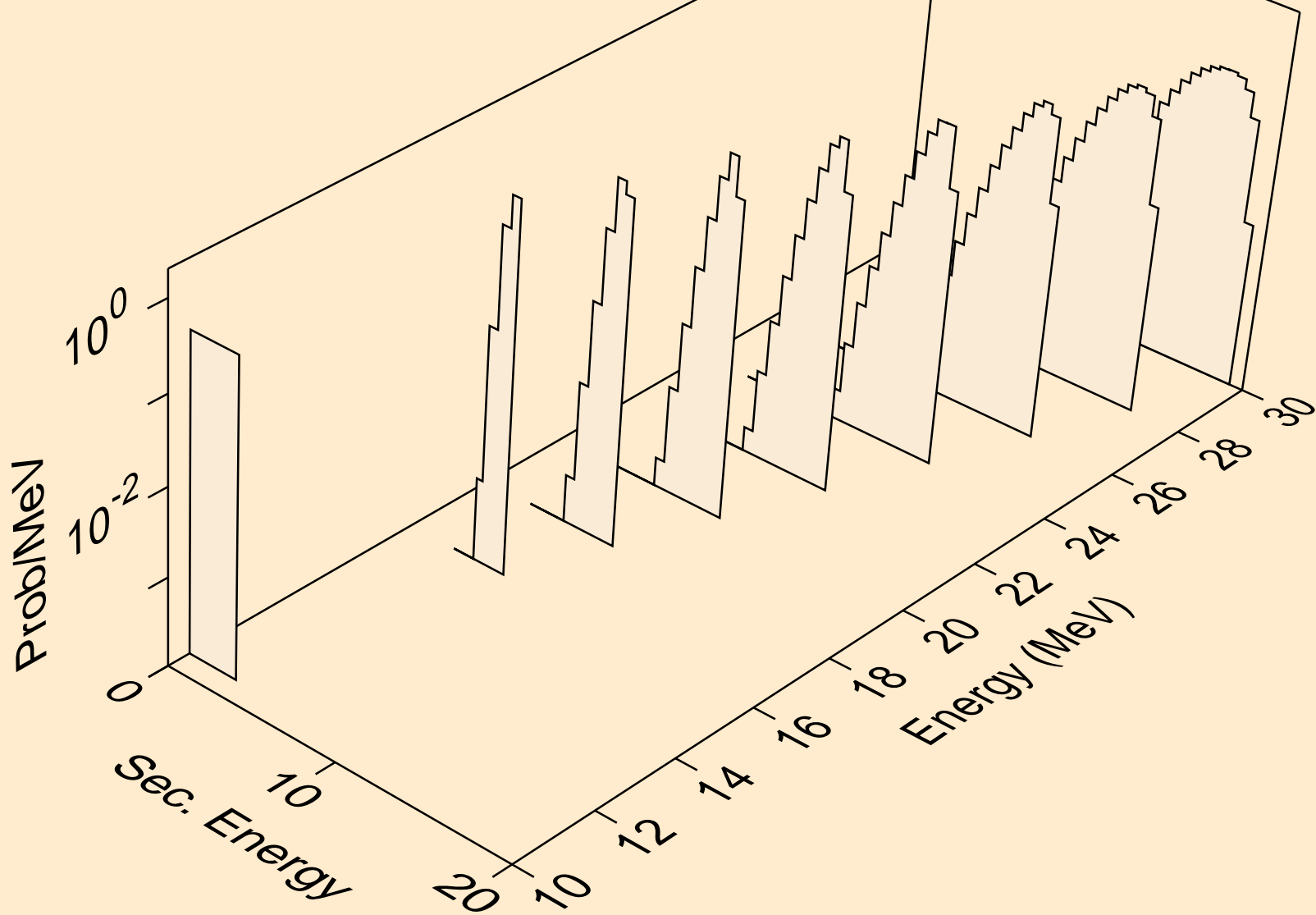
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tritons from (n,pt)



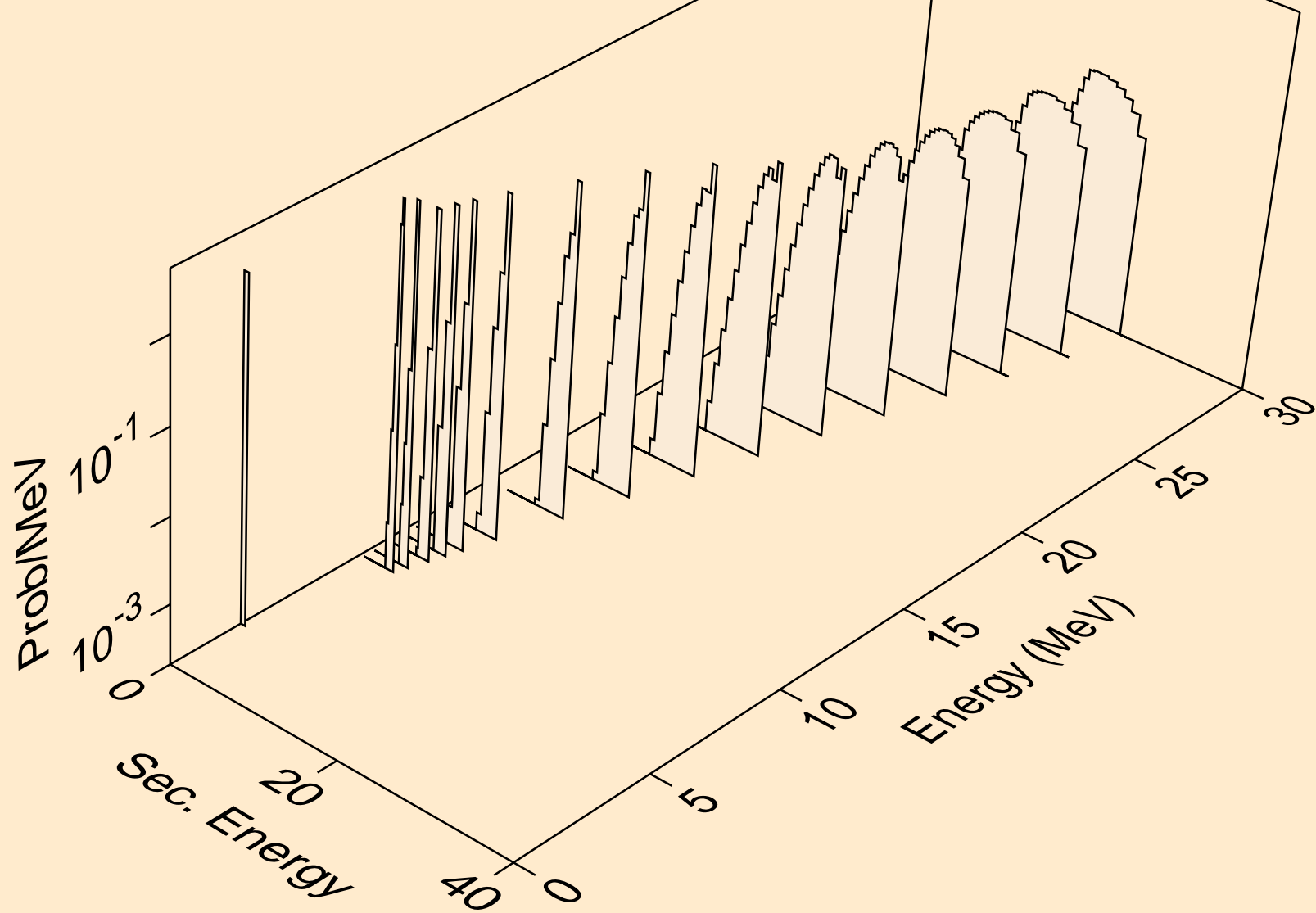
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



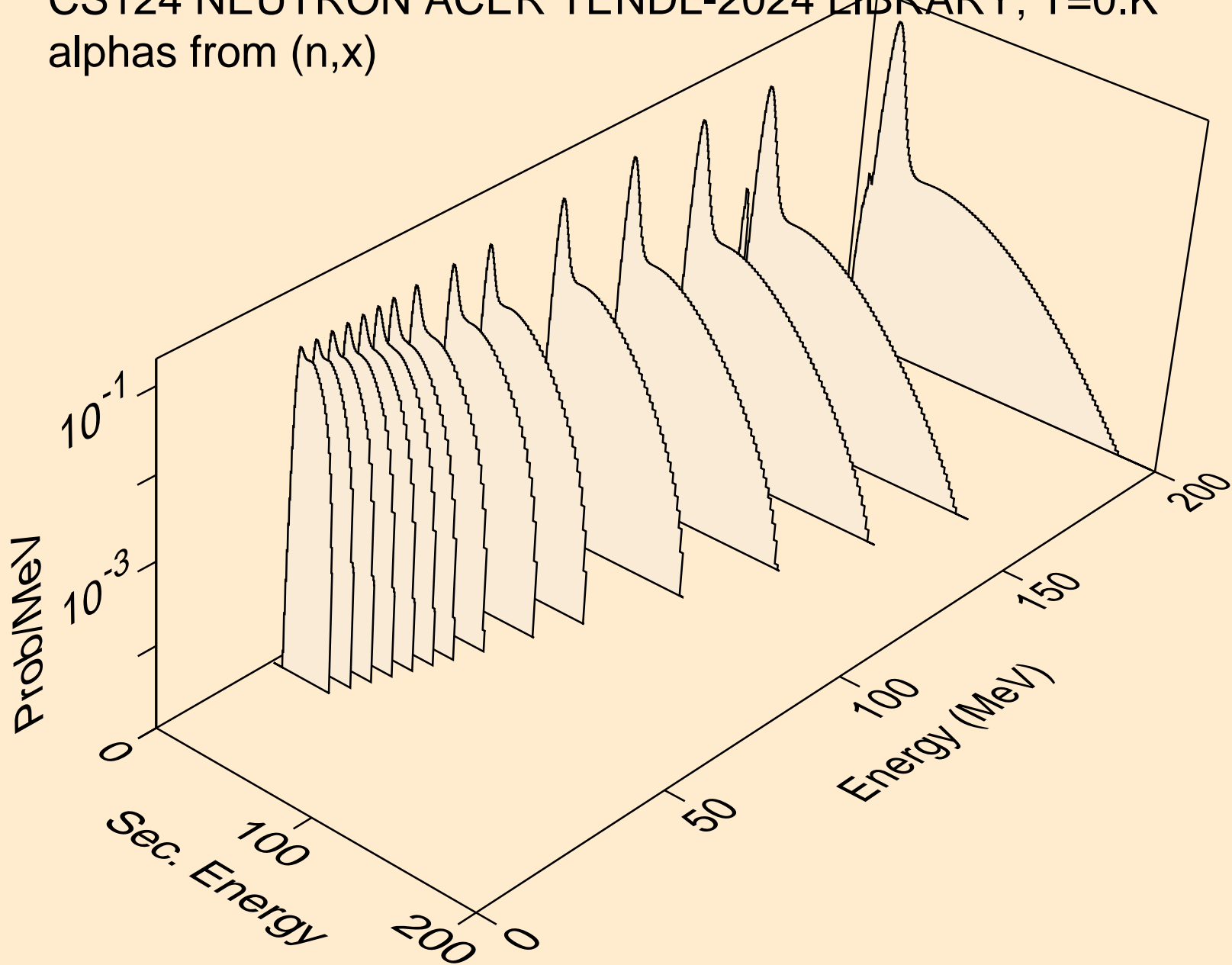
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he3s from (n,n\*)he3



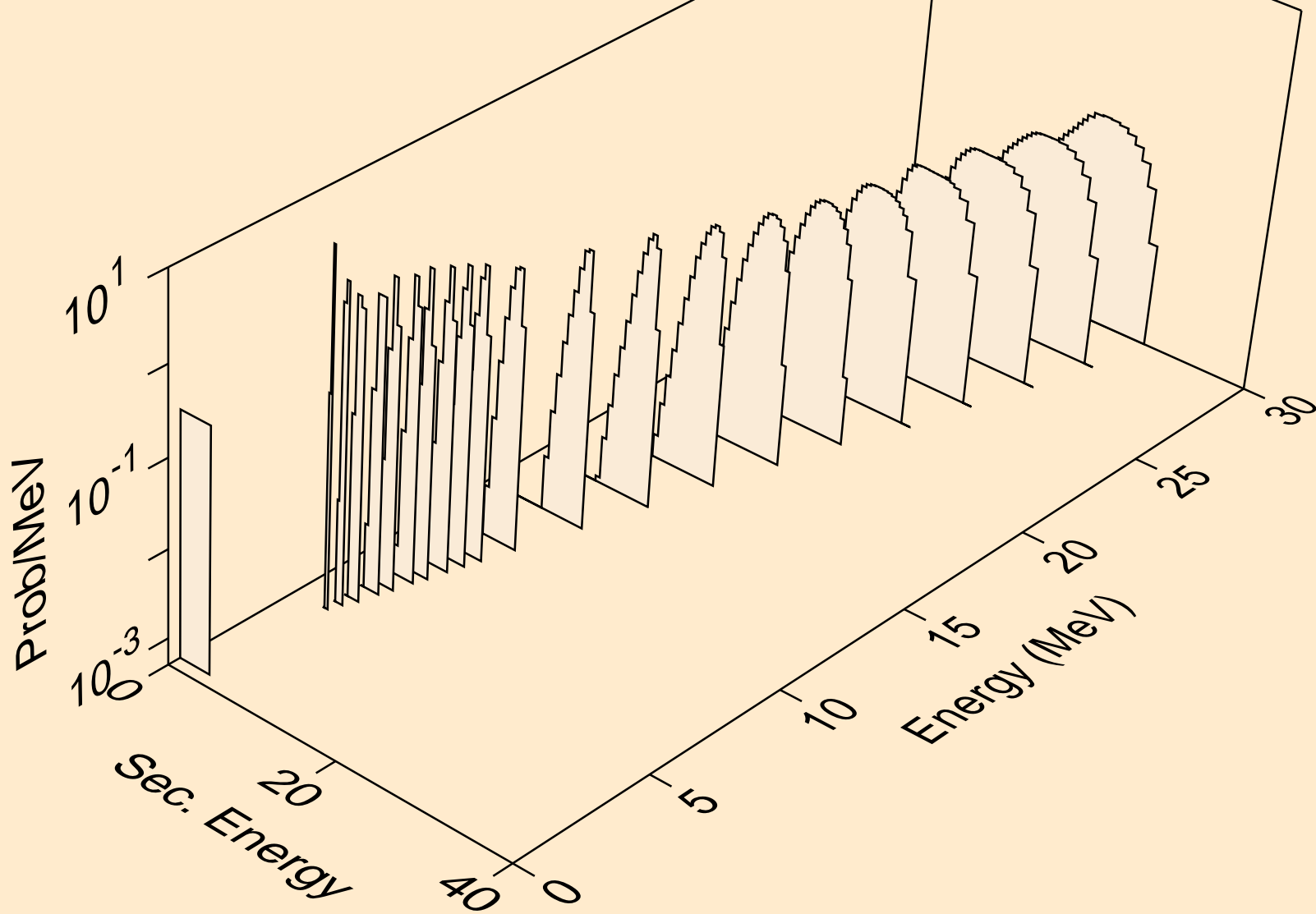
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he3s from (n,he3)



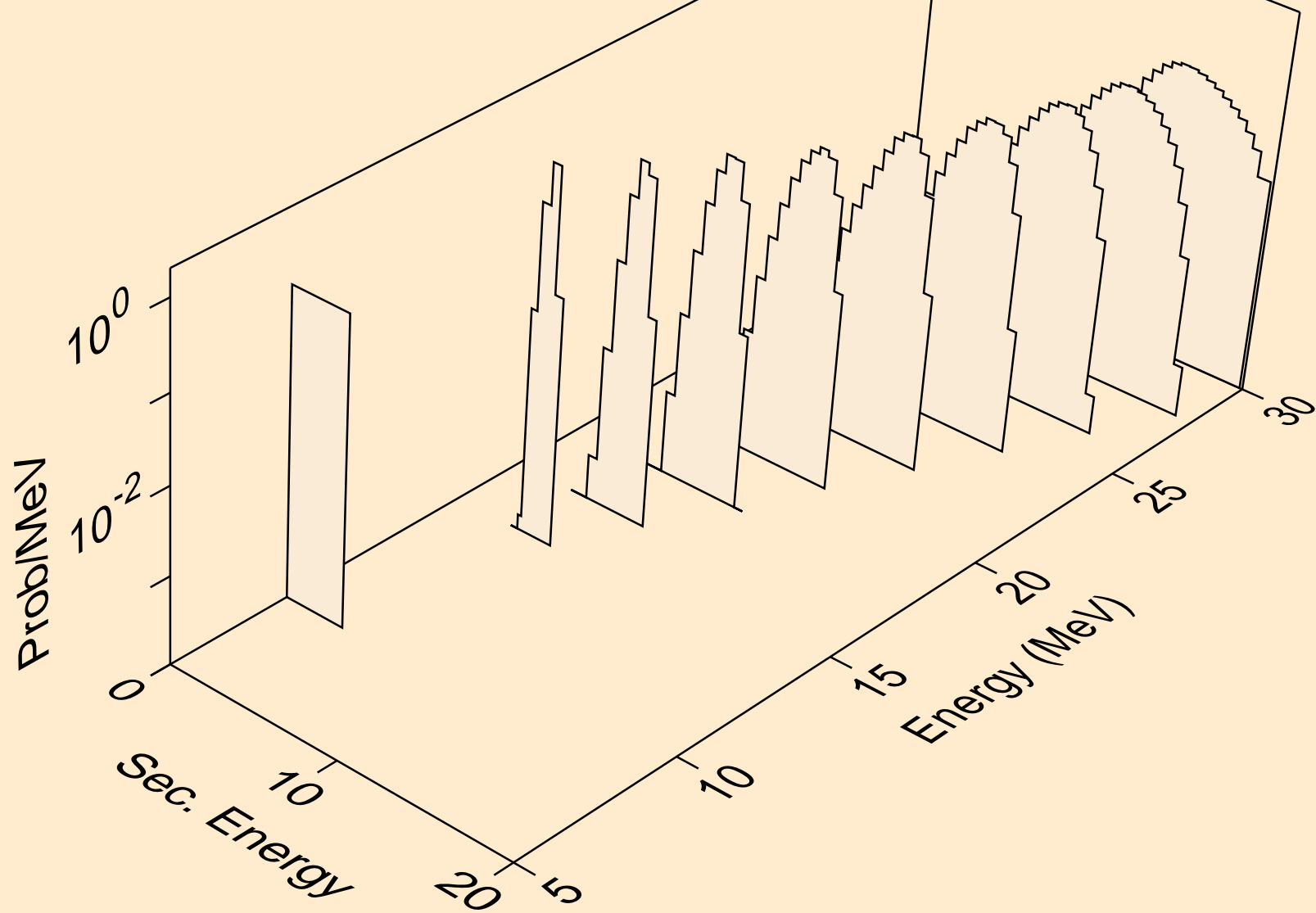
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alphas from (n,x)



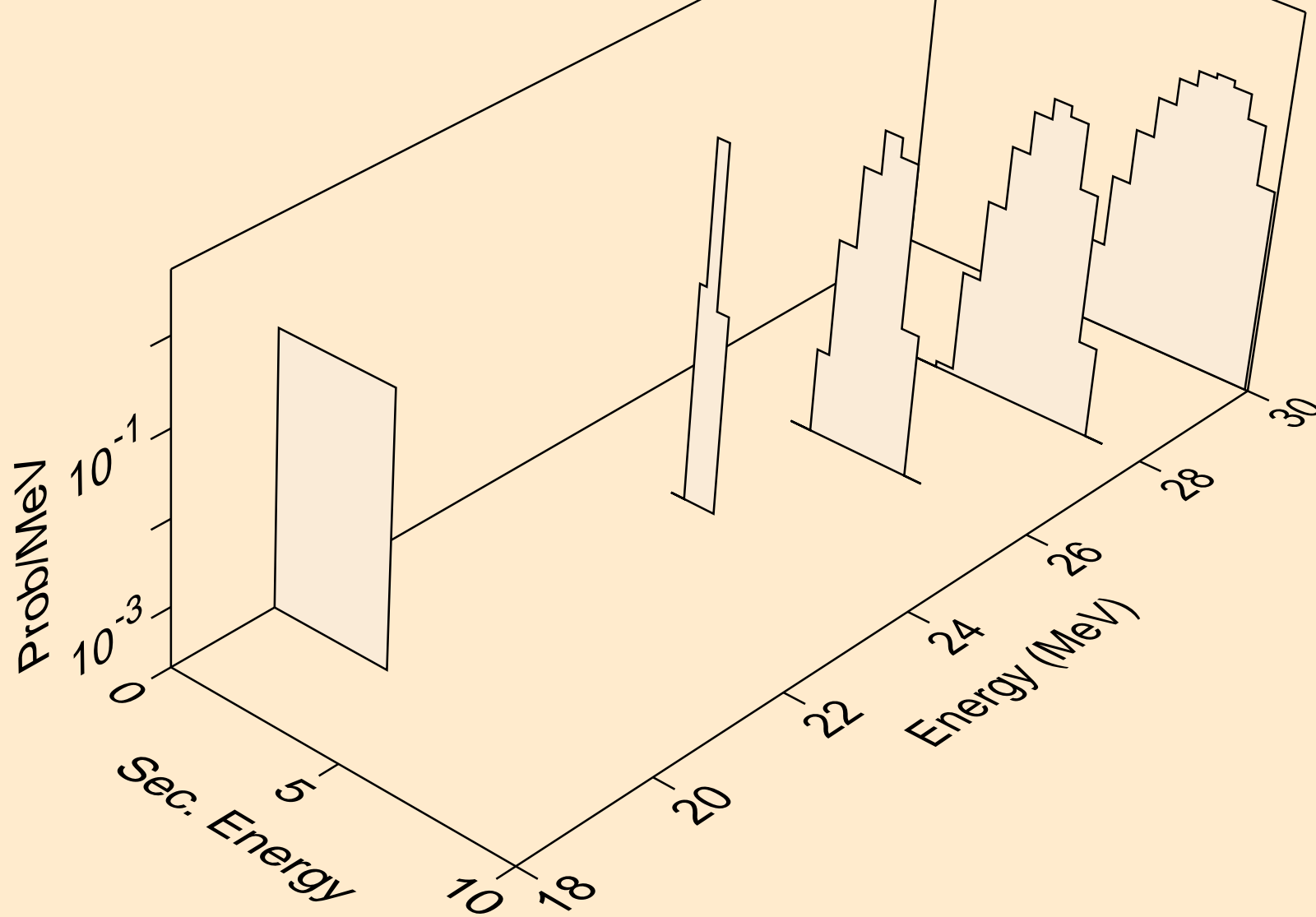
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



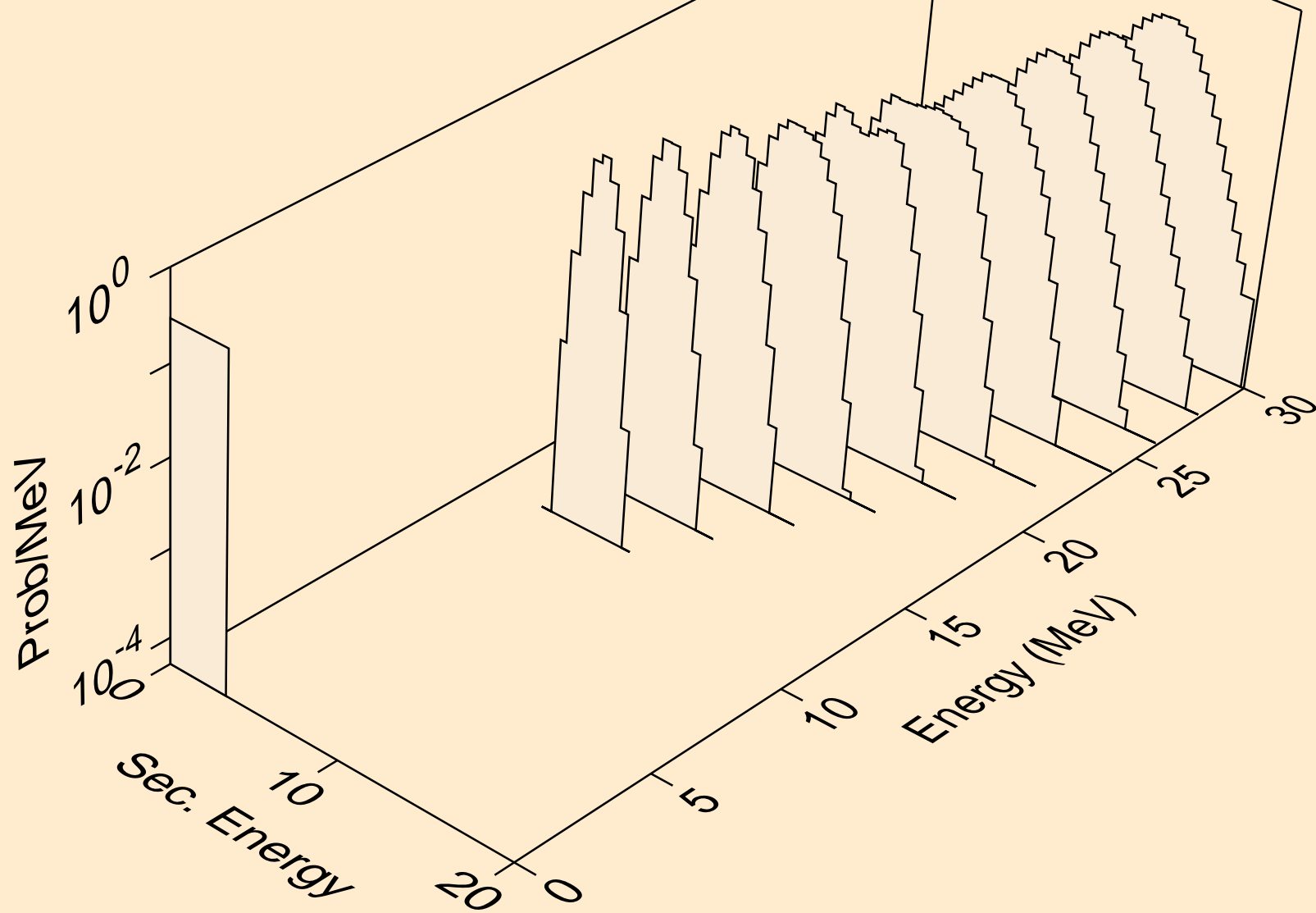
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alphas from (n,2n)a



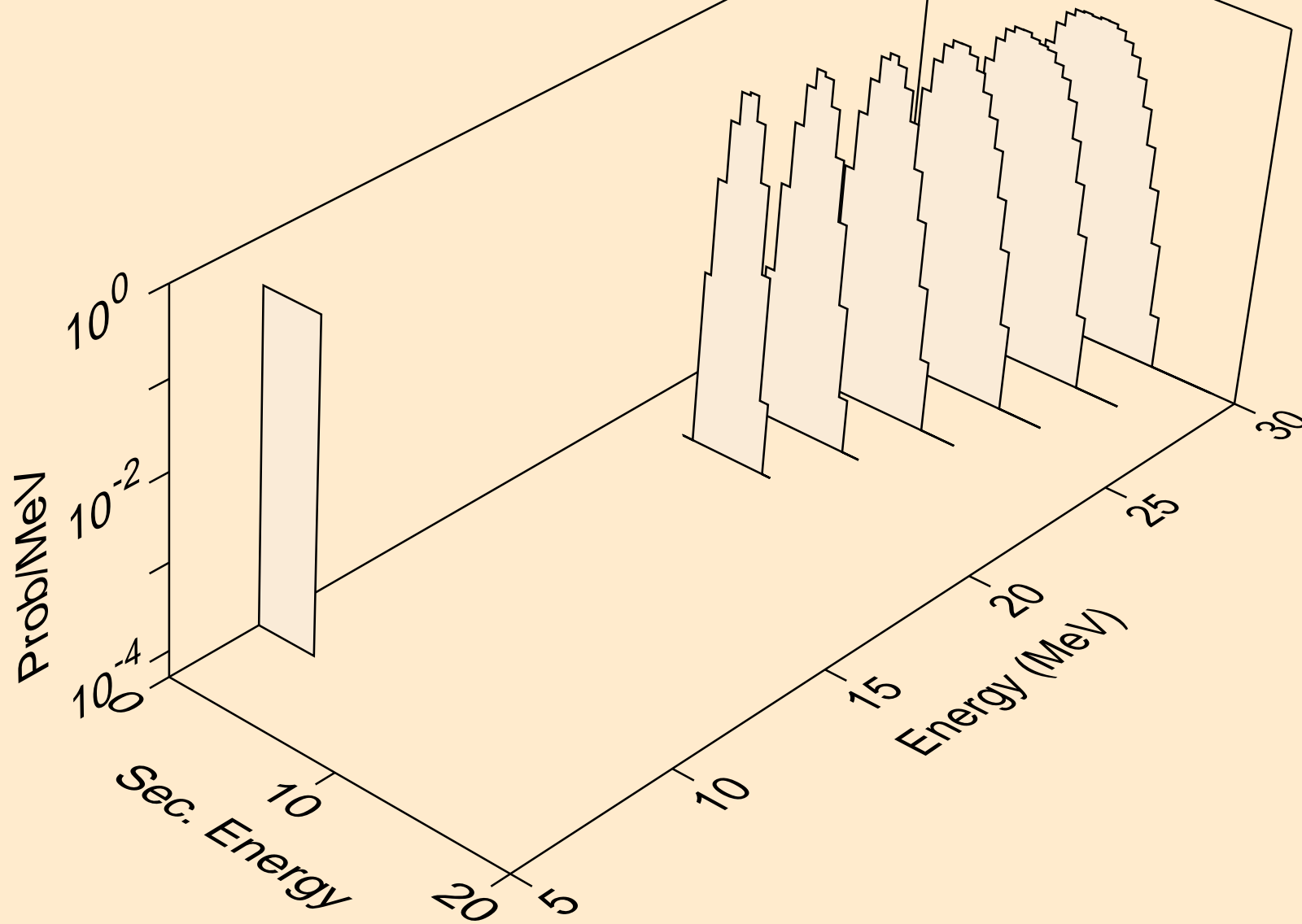
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alphas from (n,3n)a



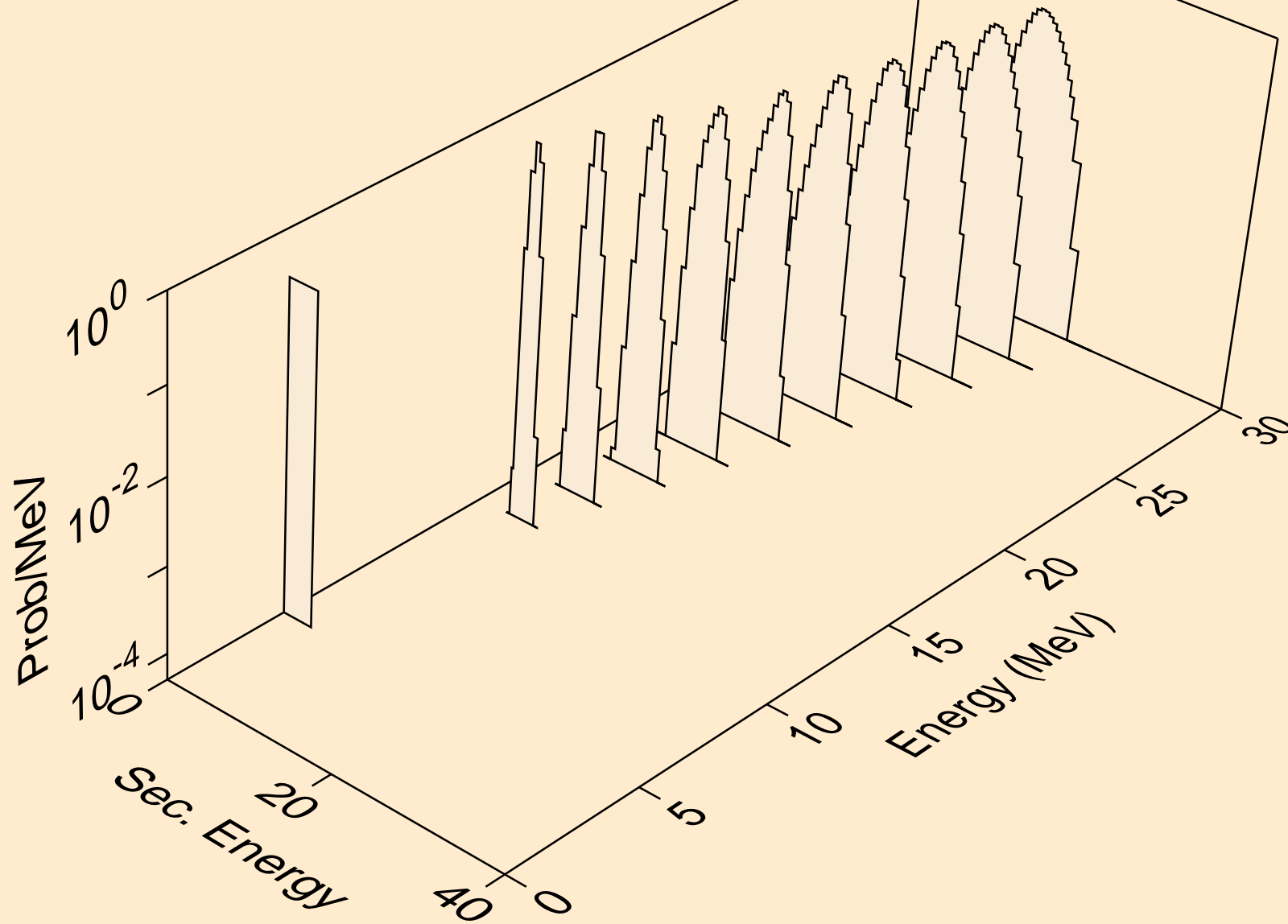
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alphas from (n,n\*)2a



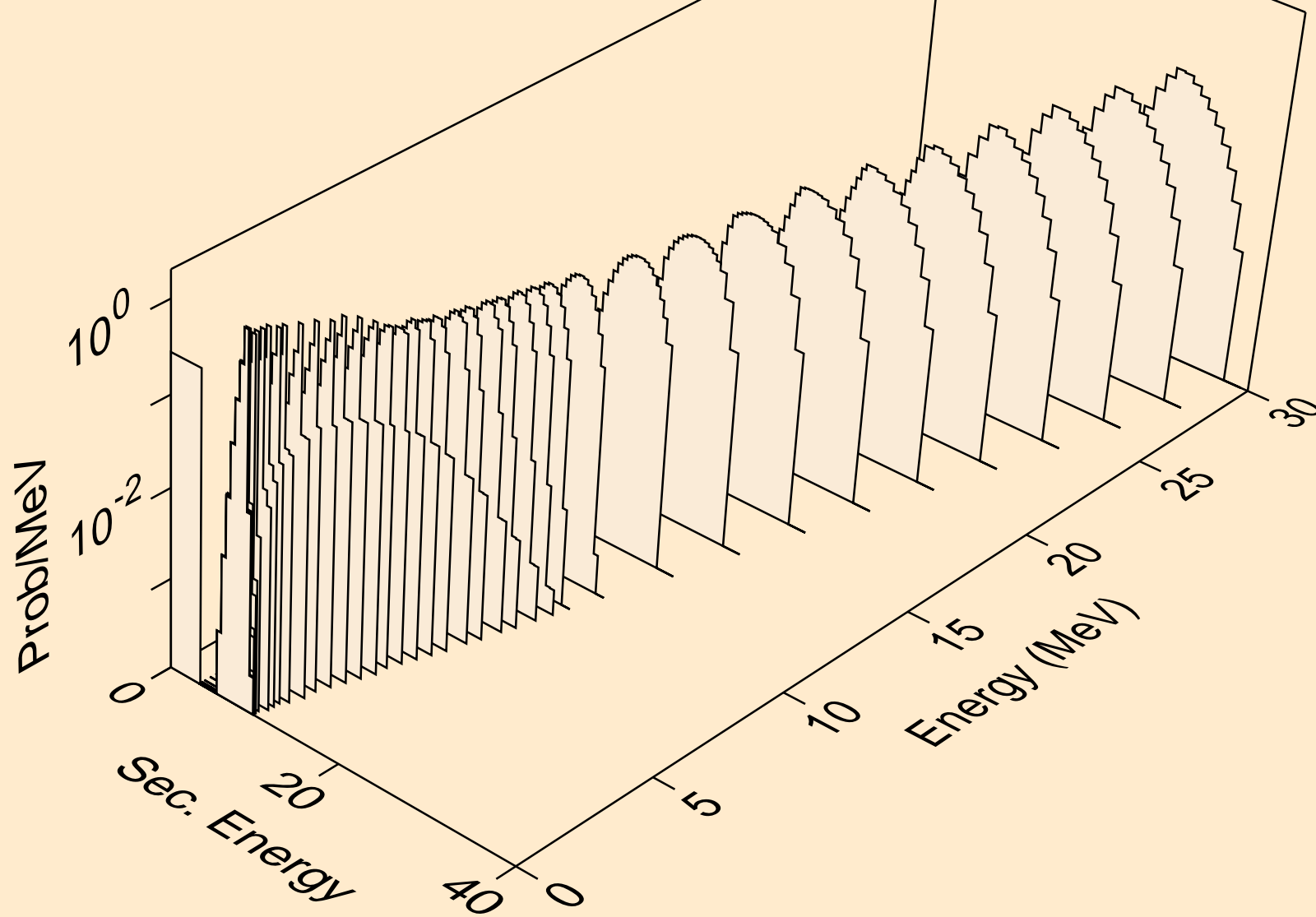
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alphas from (n,2n)2a



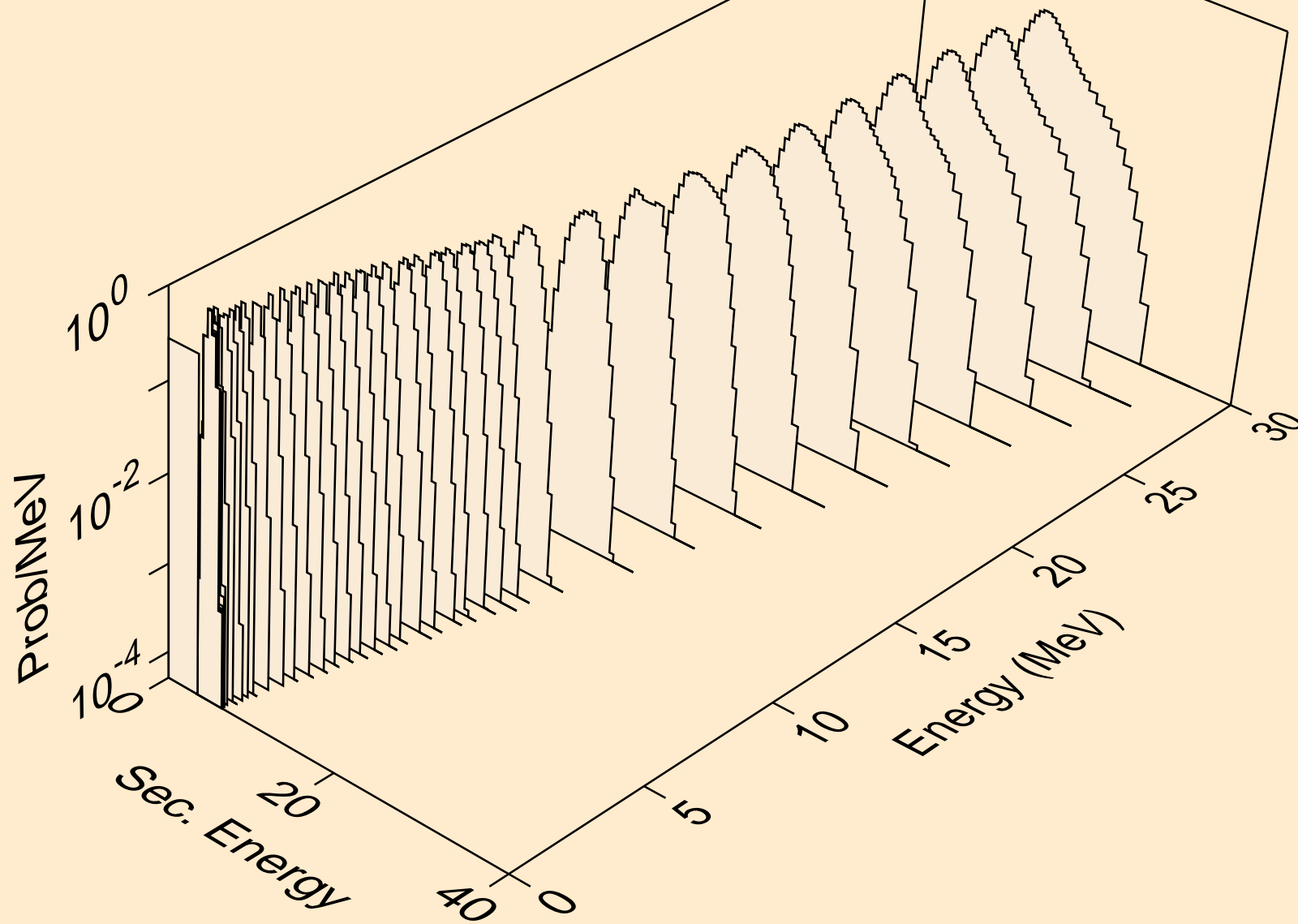
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



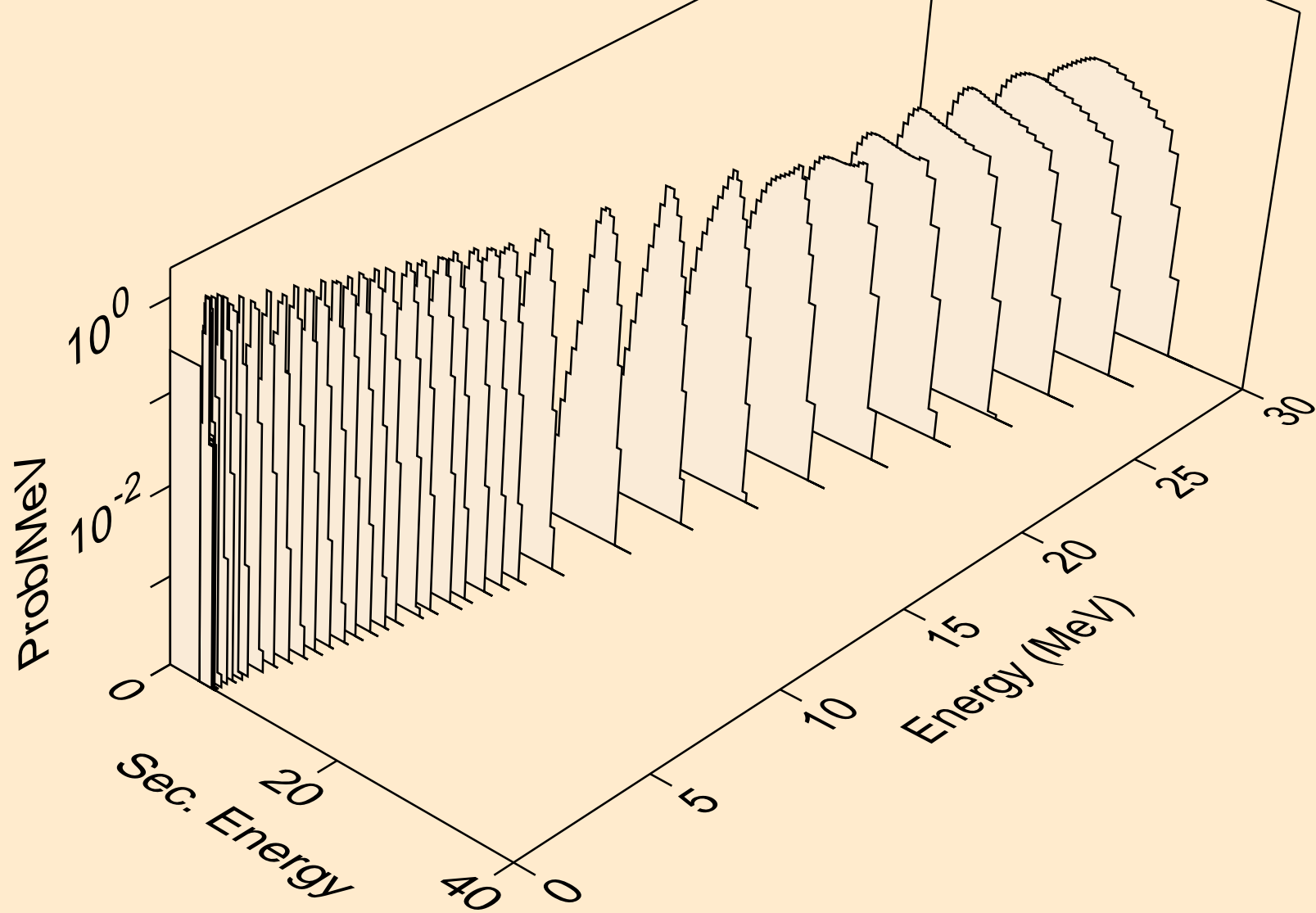
CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



CS124 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

