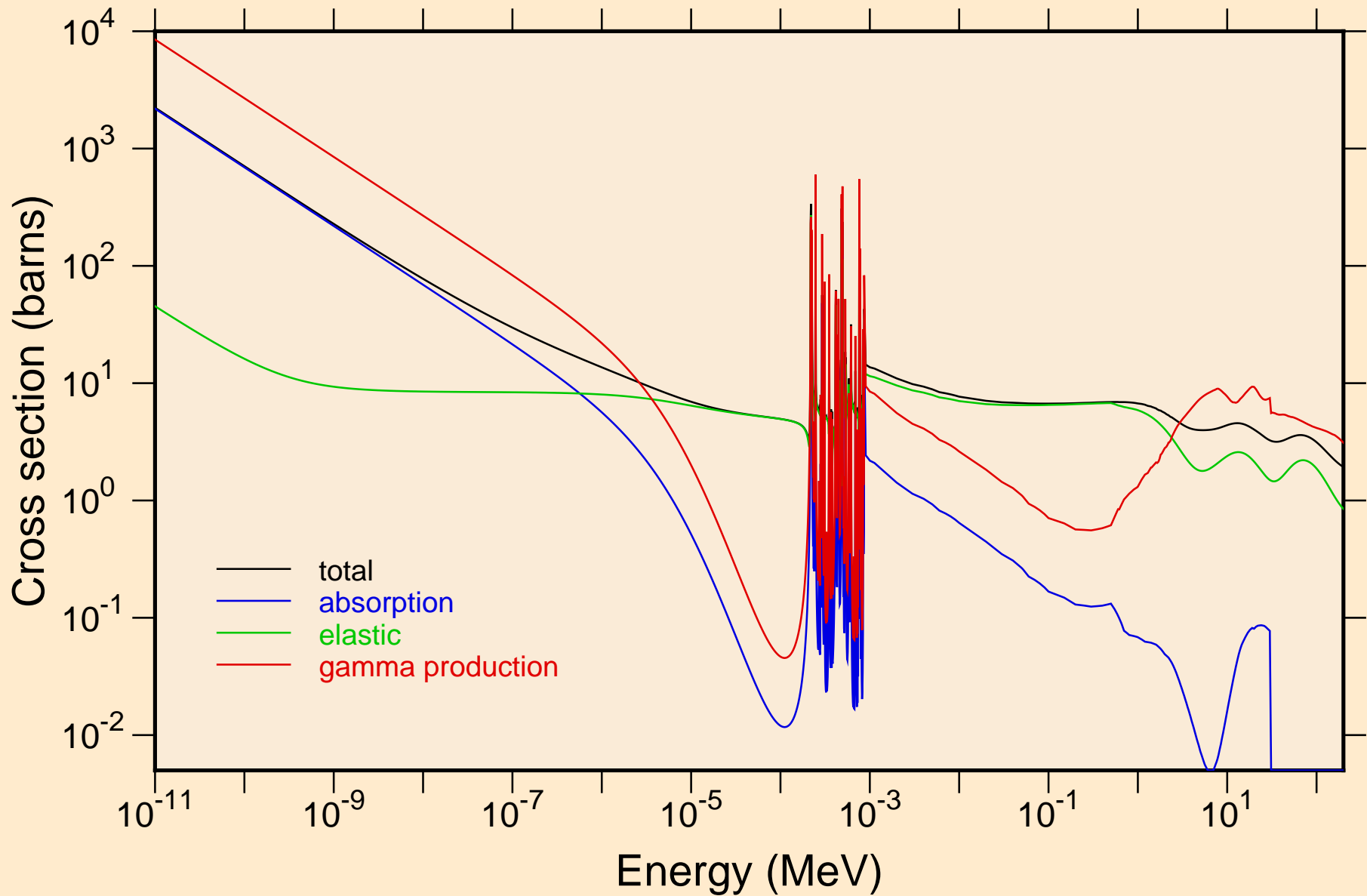
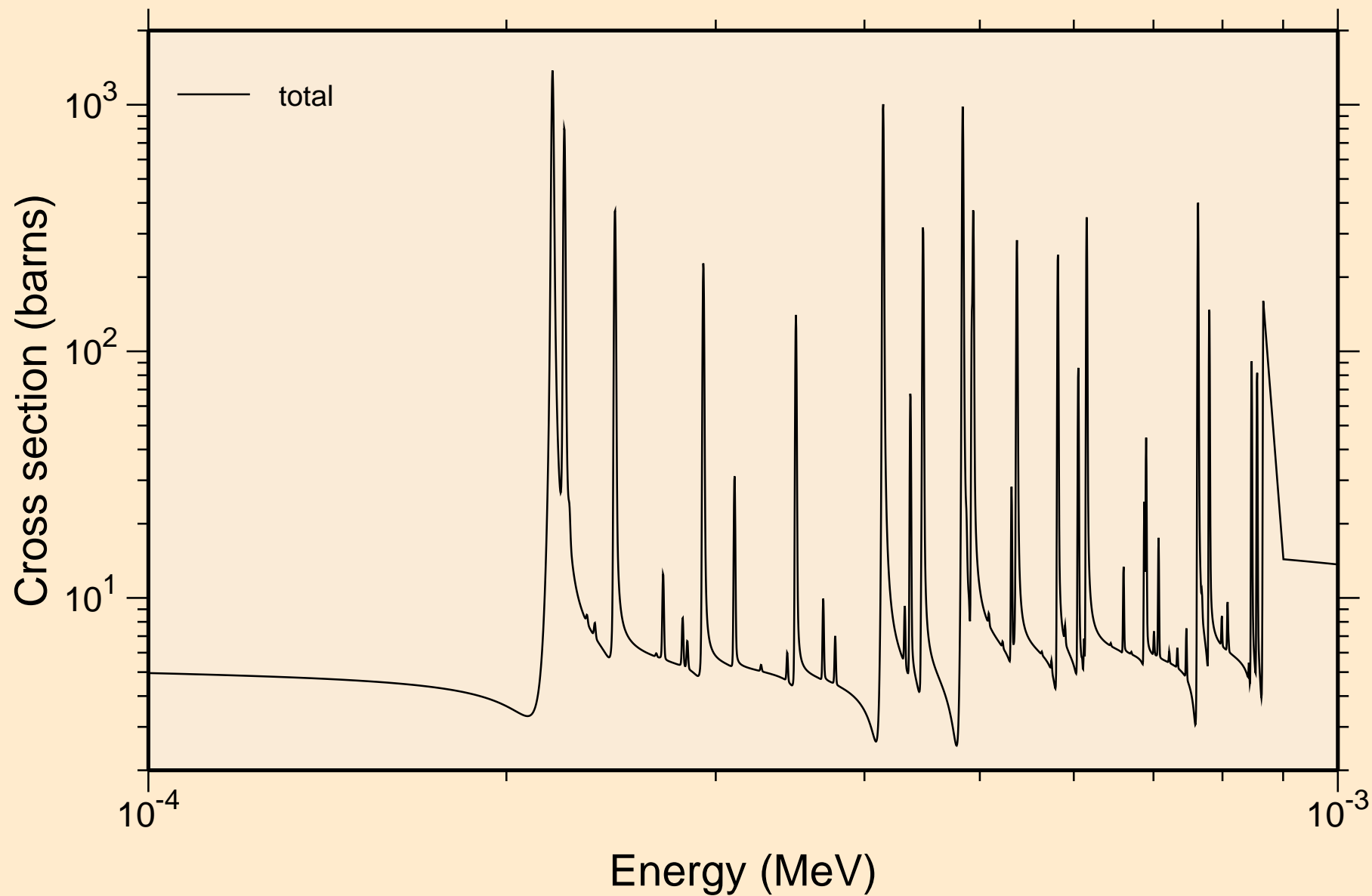


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

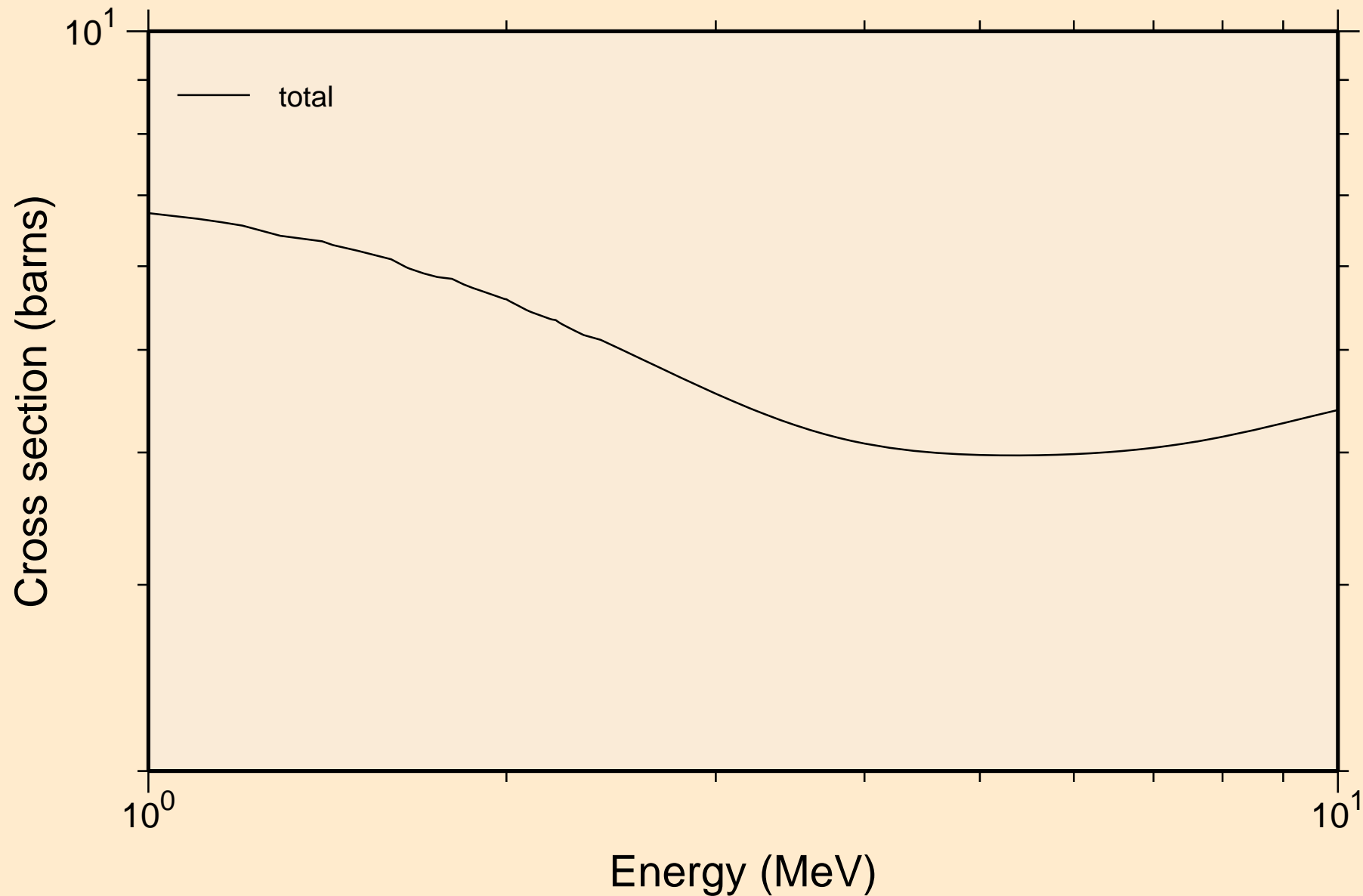
## Principal cross sections



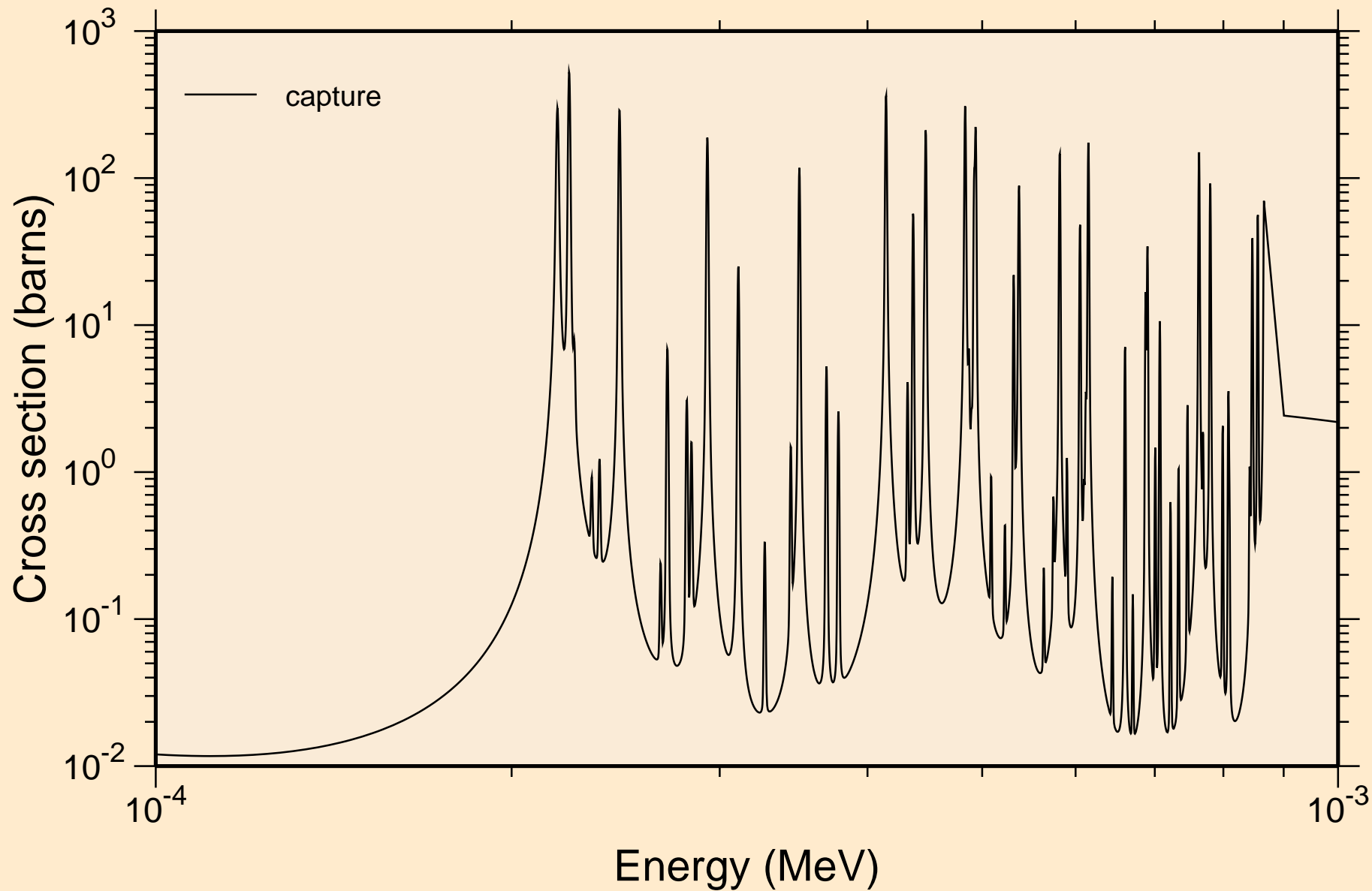
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



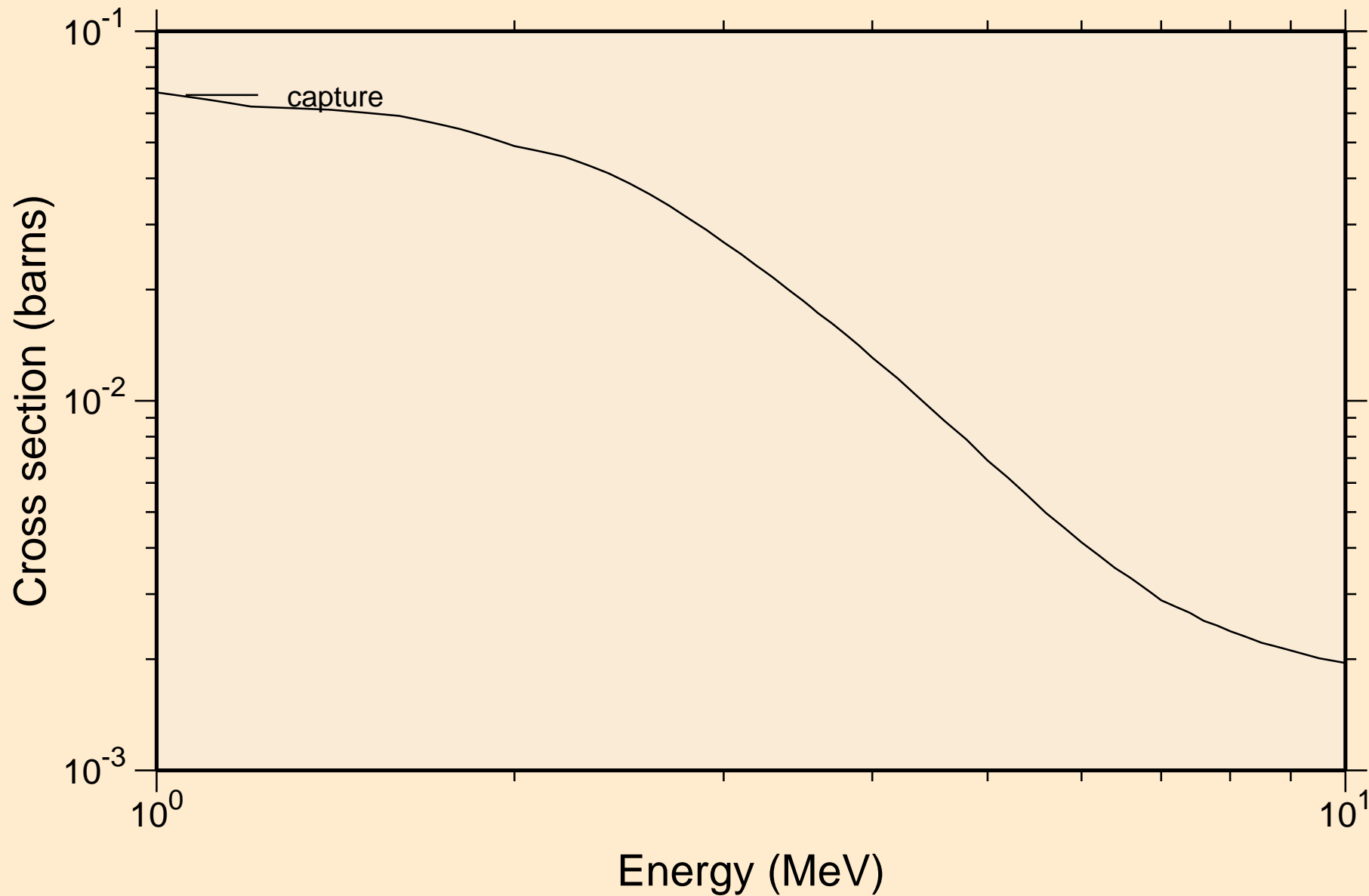
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



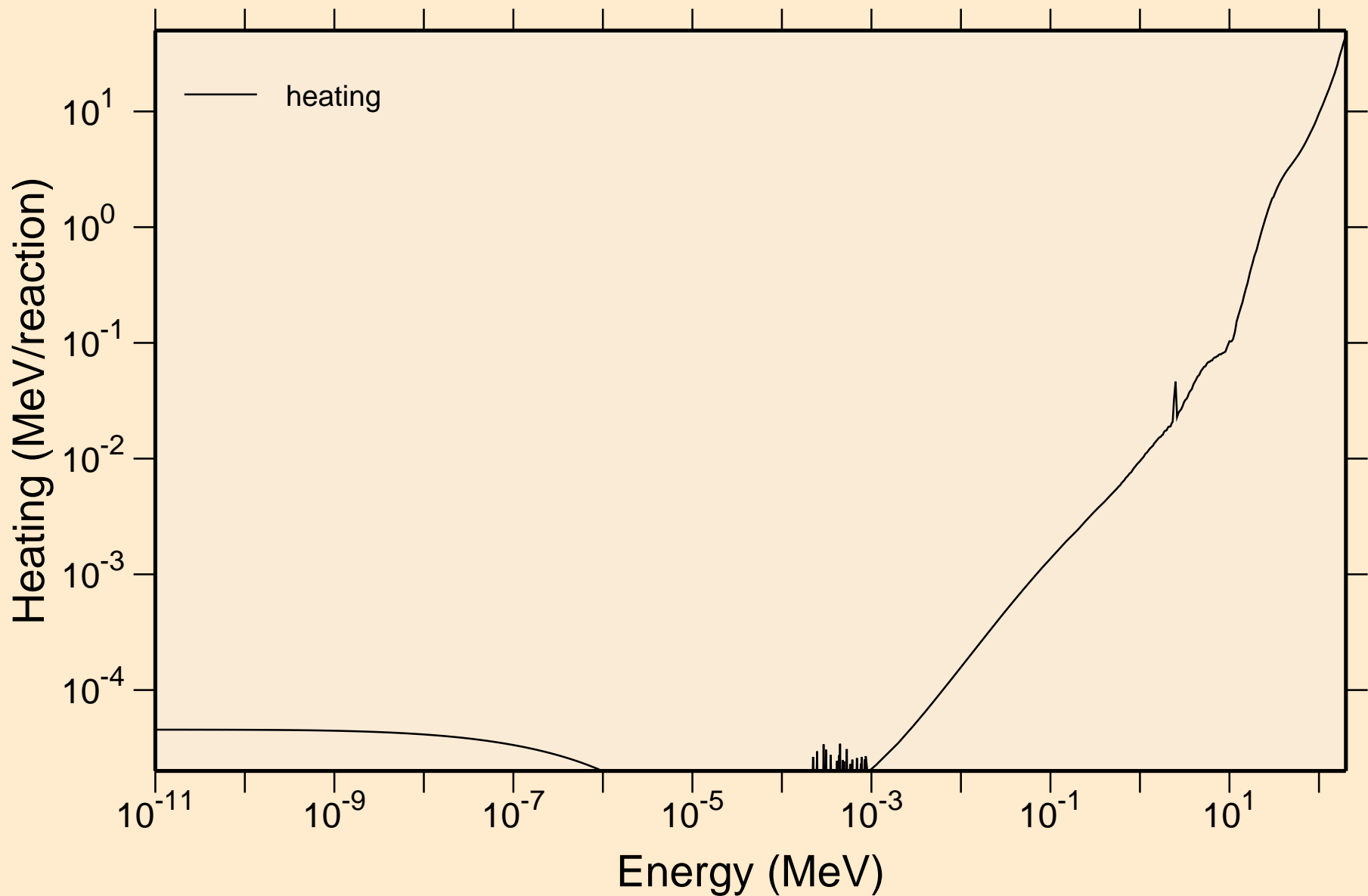
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



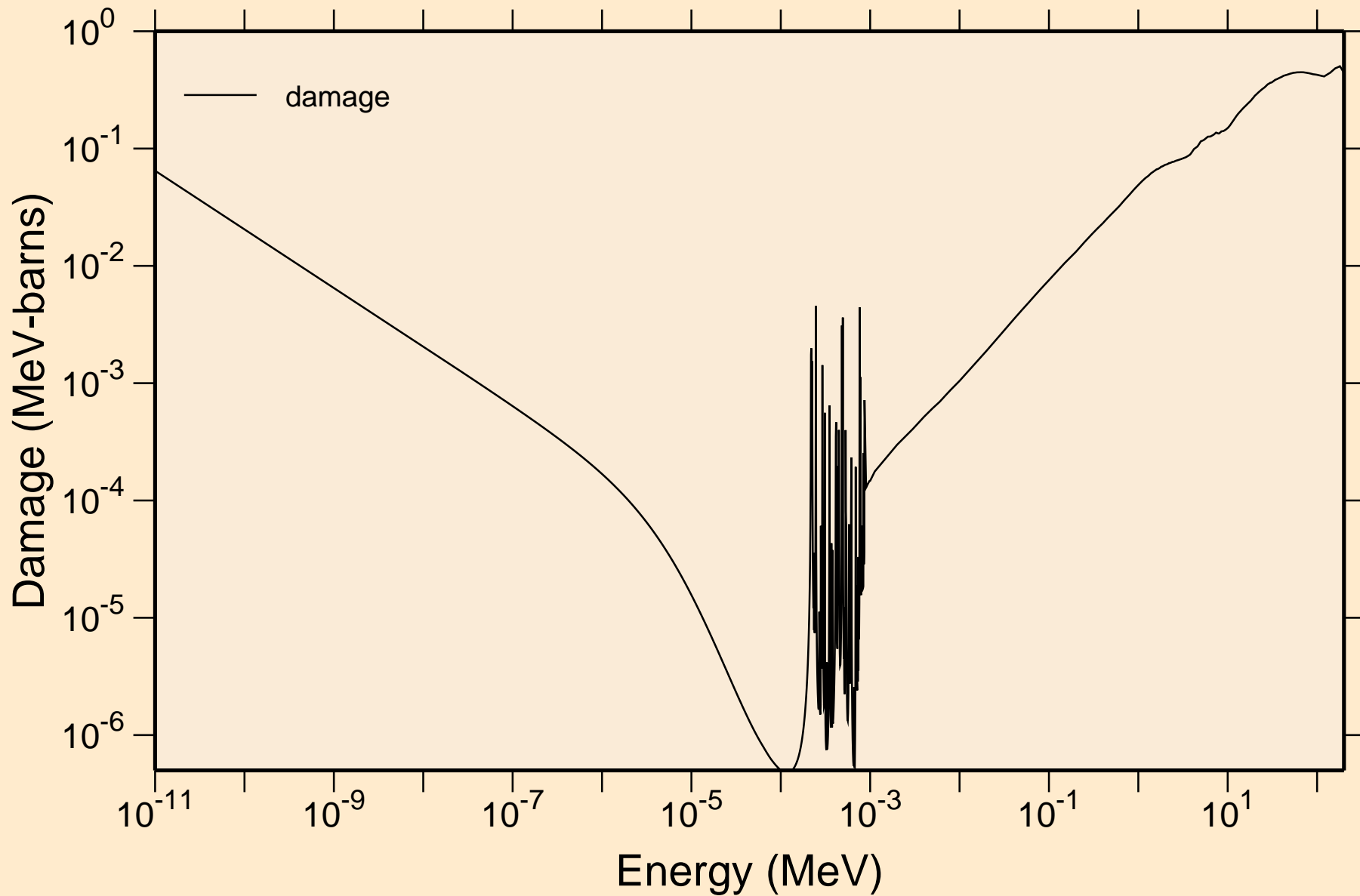
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



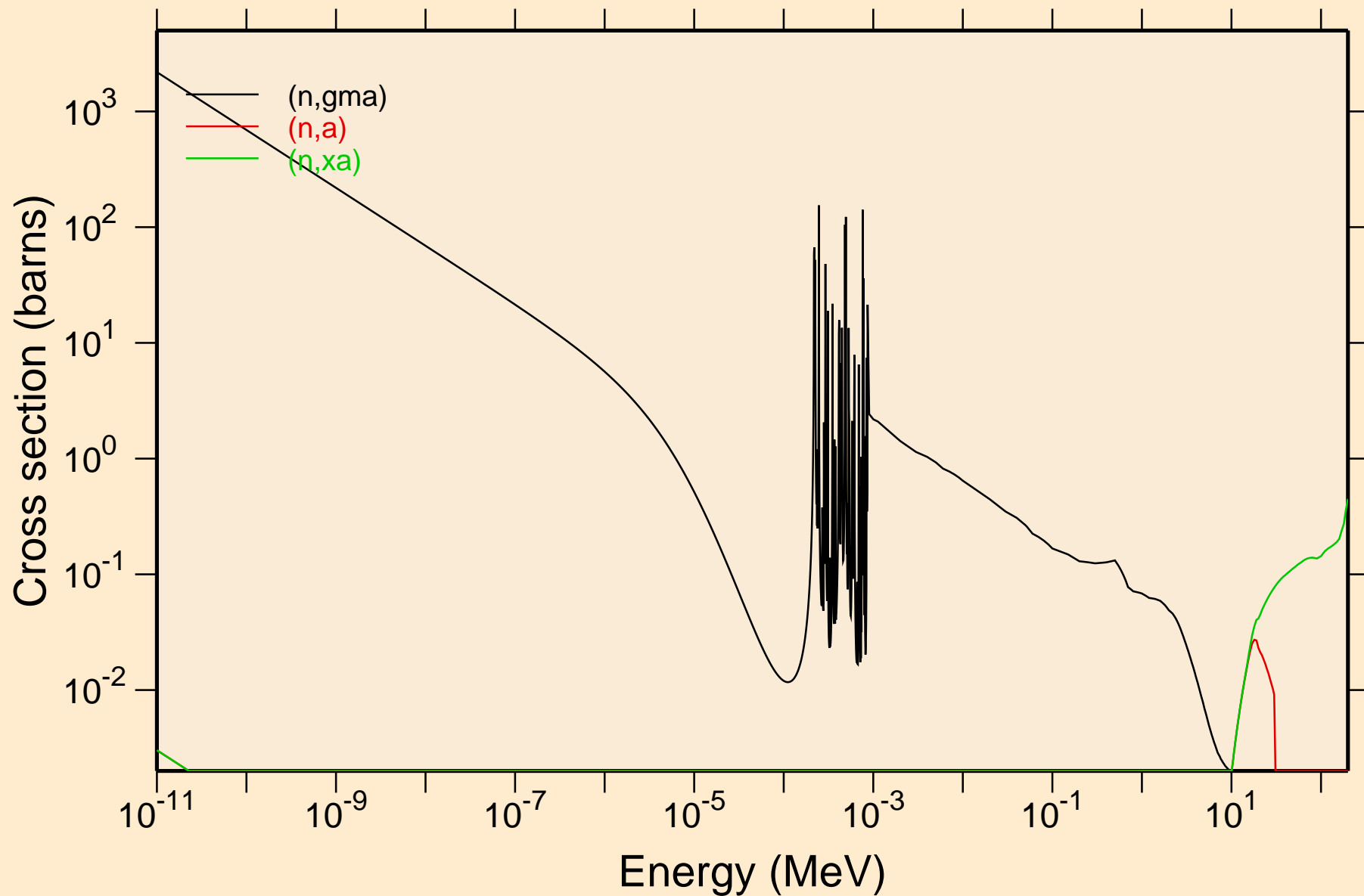
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



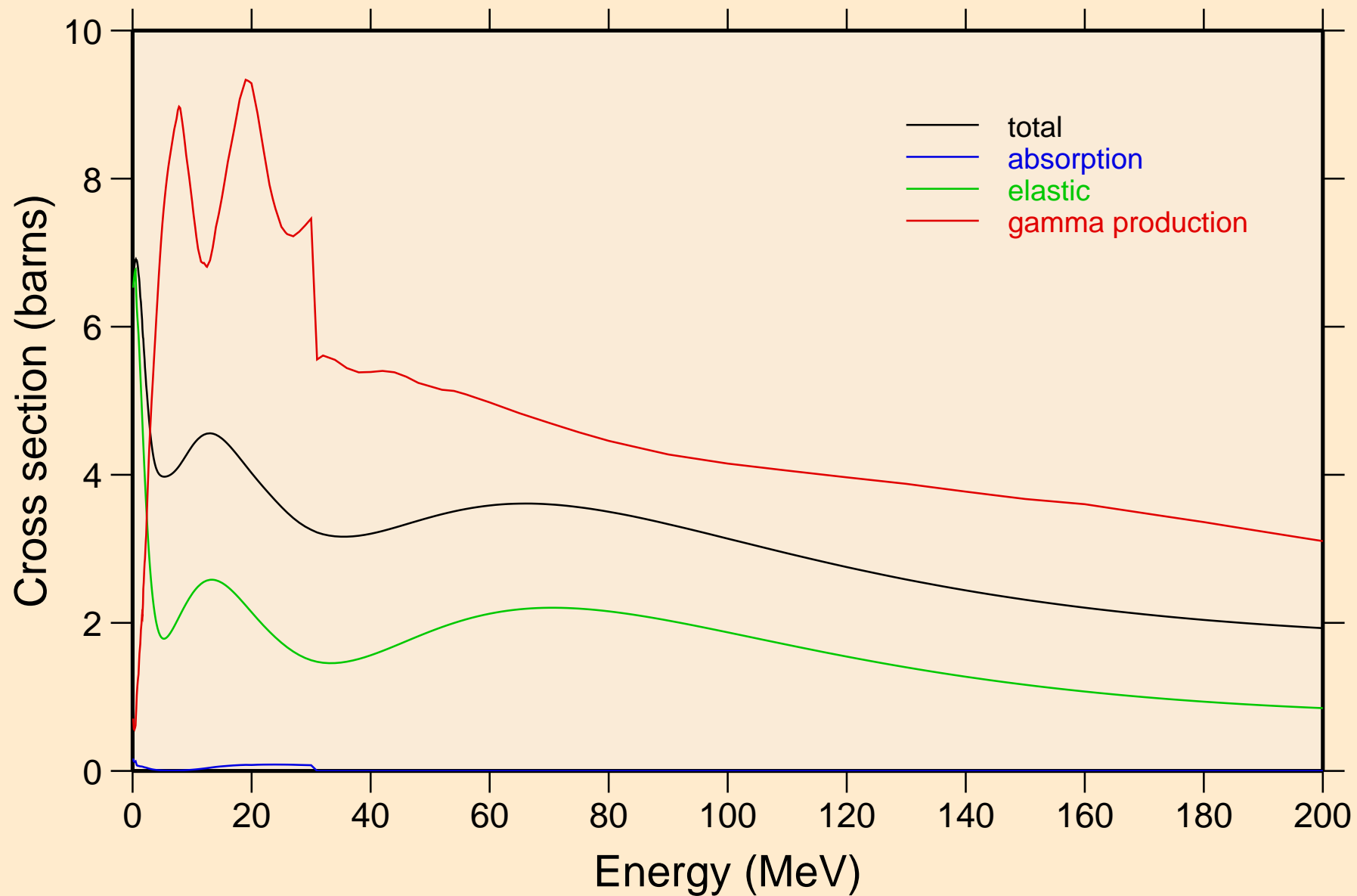
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



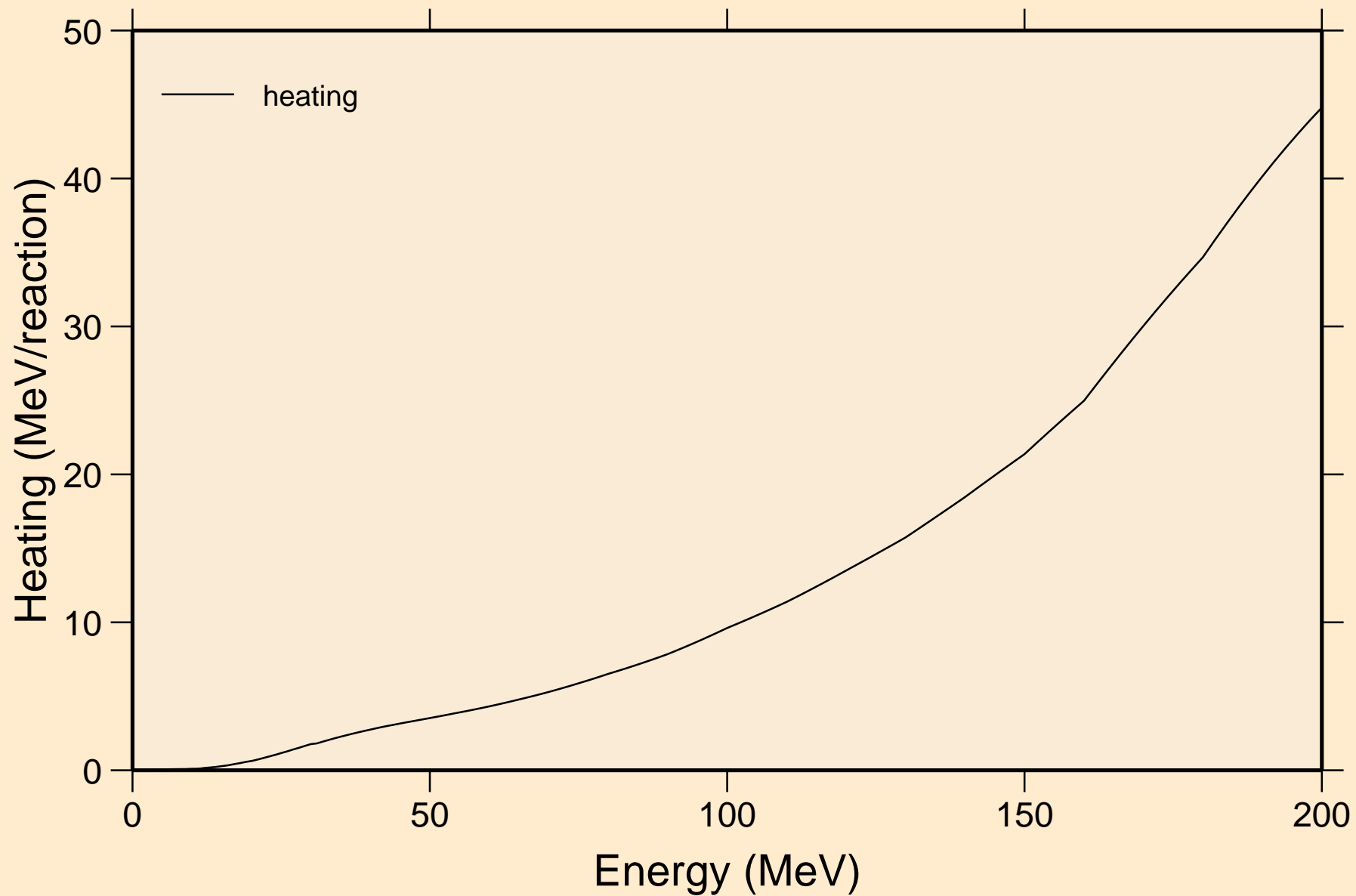


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

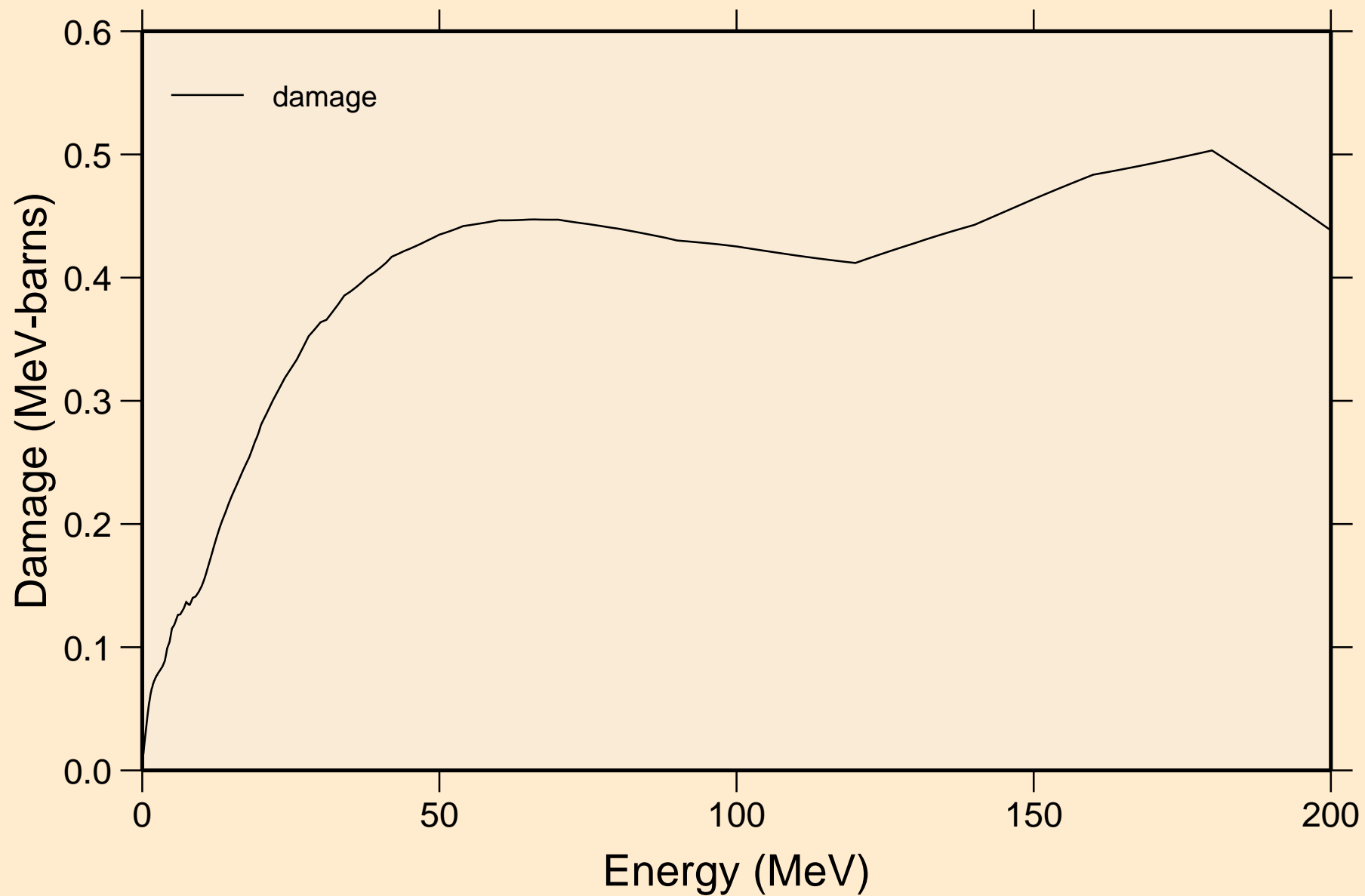
## Principal cross sections



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

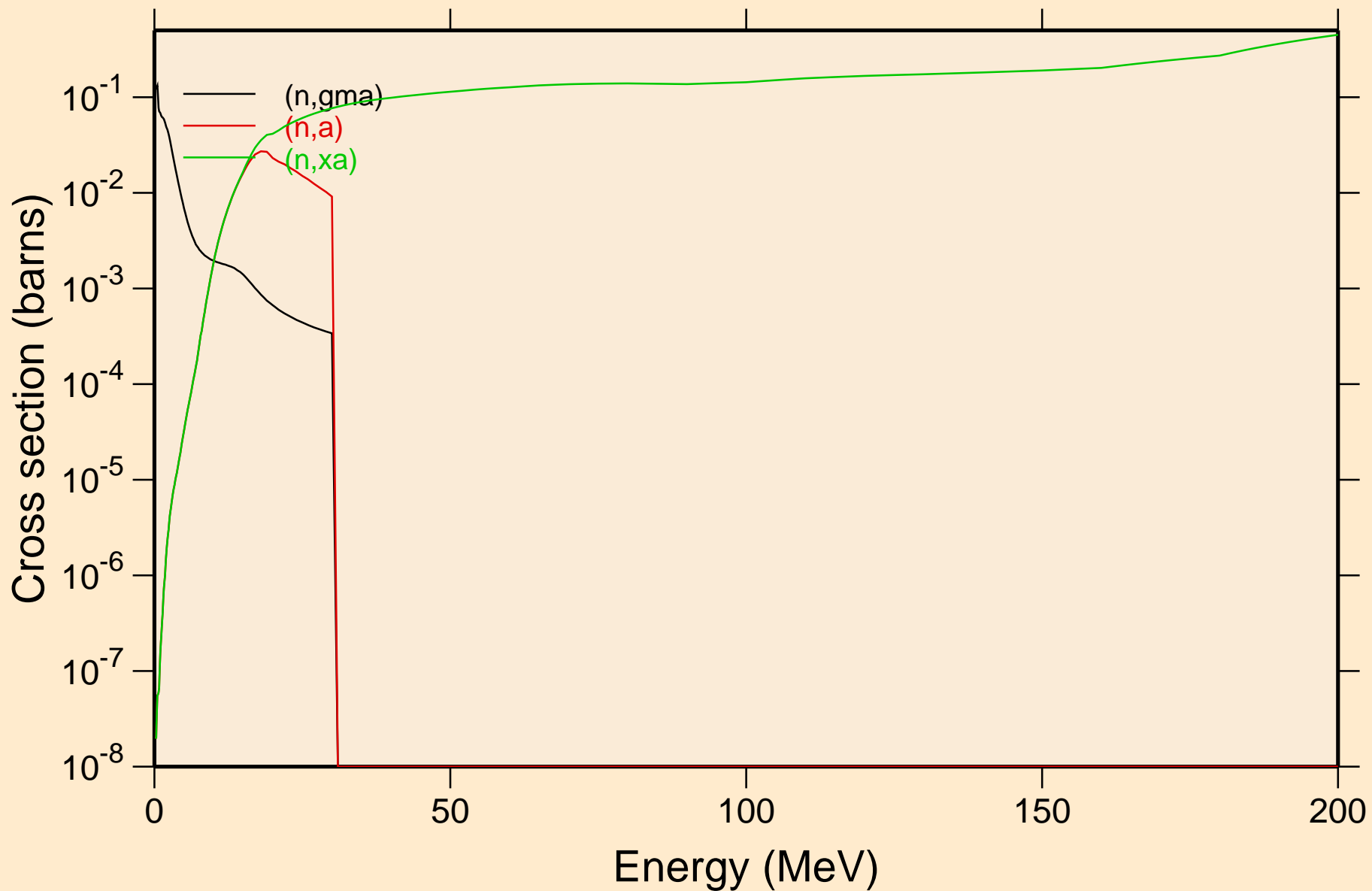


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



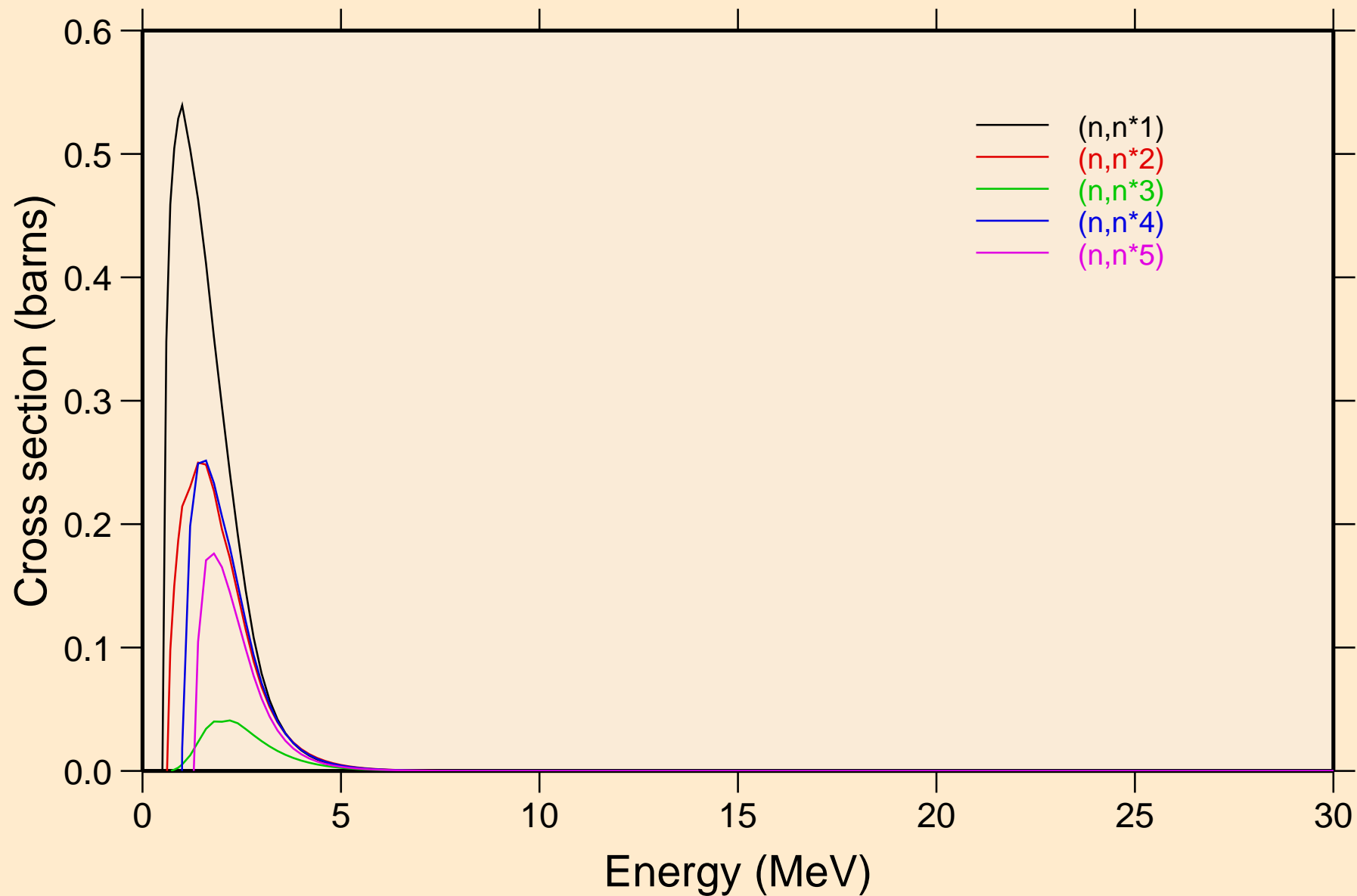
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions



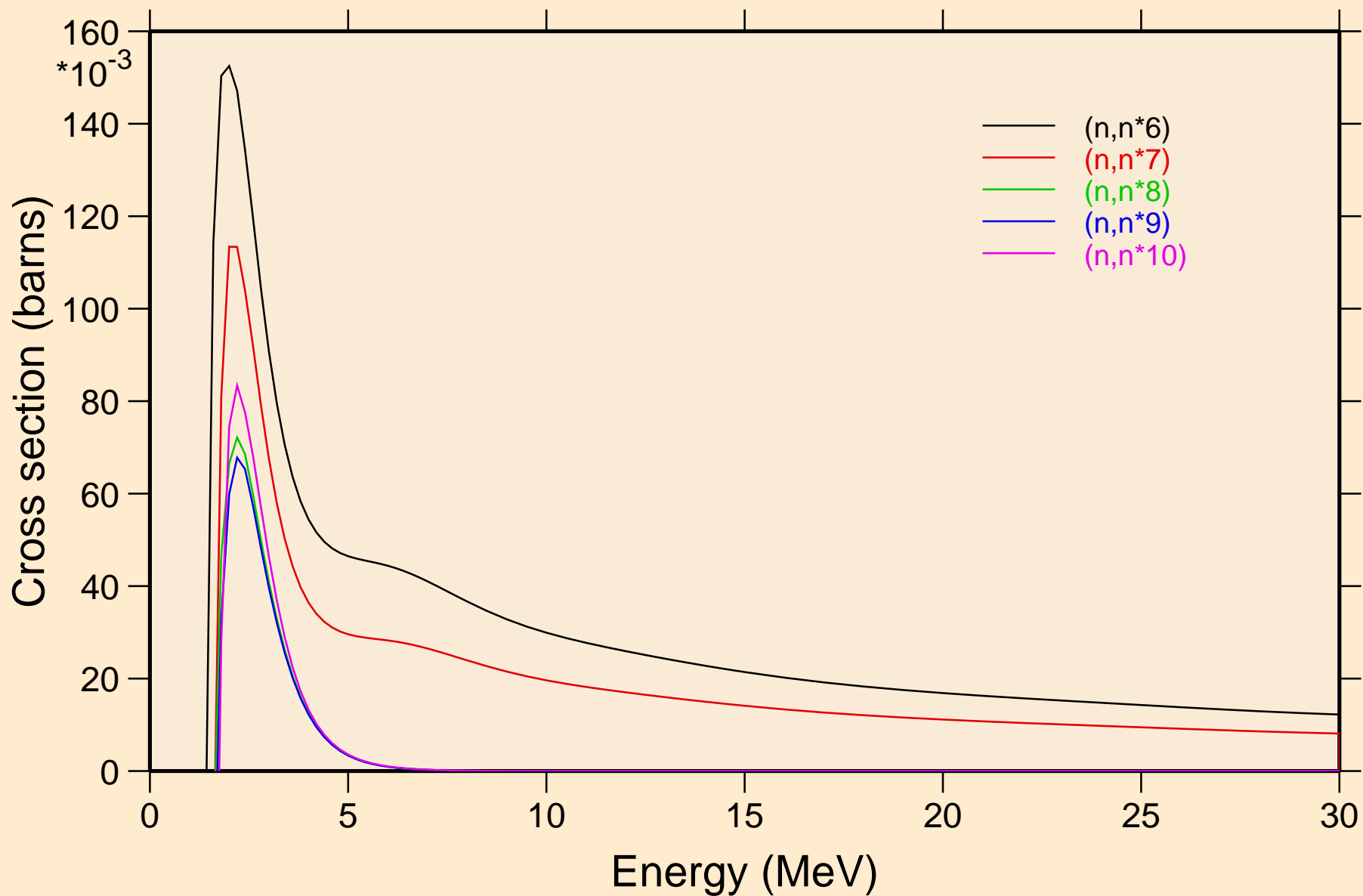
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



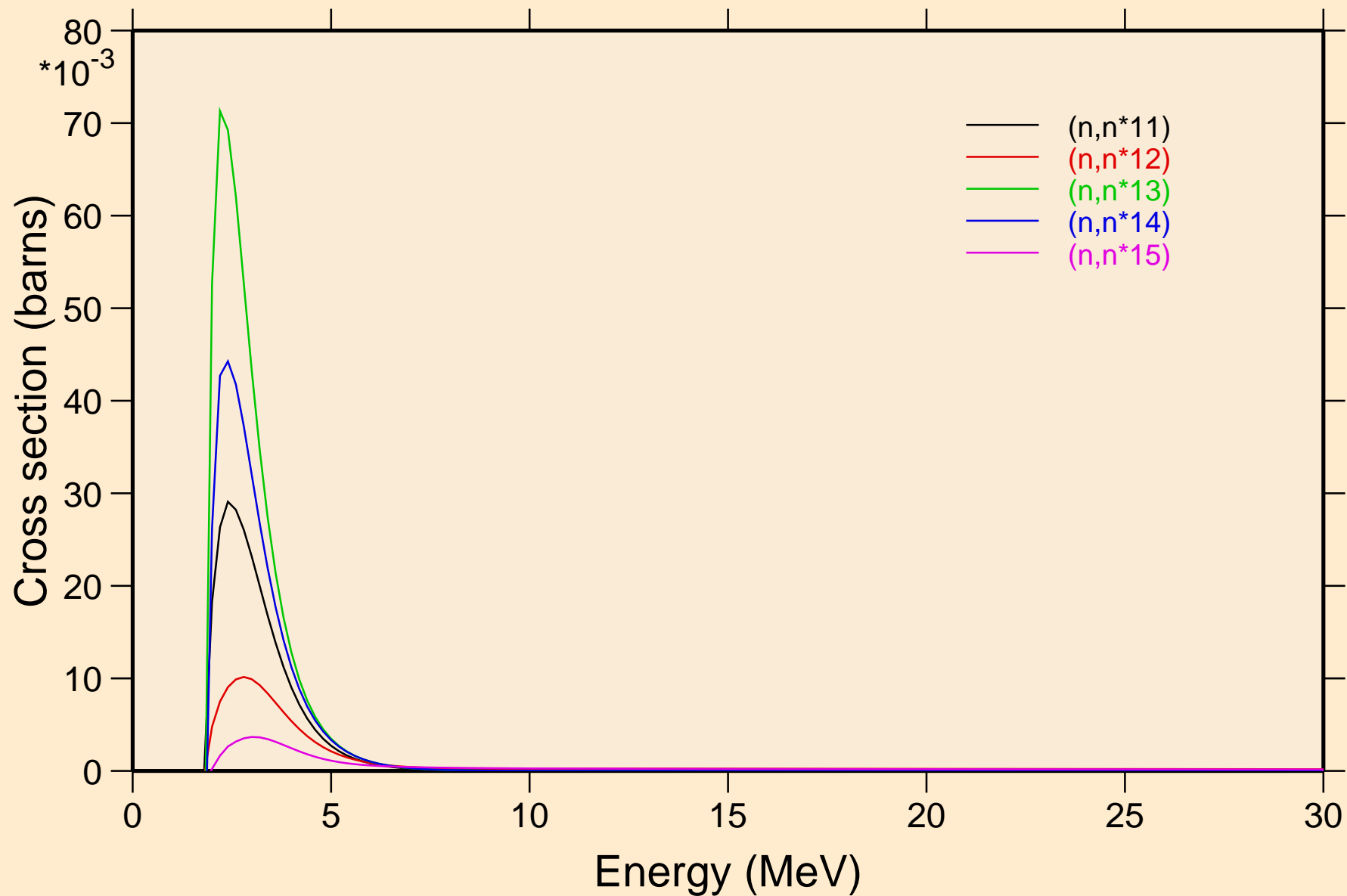
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

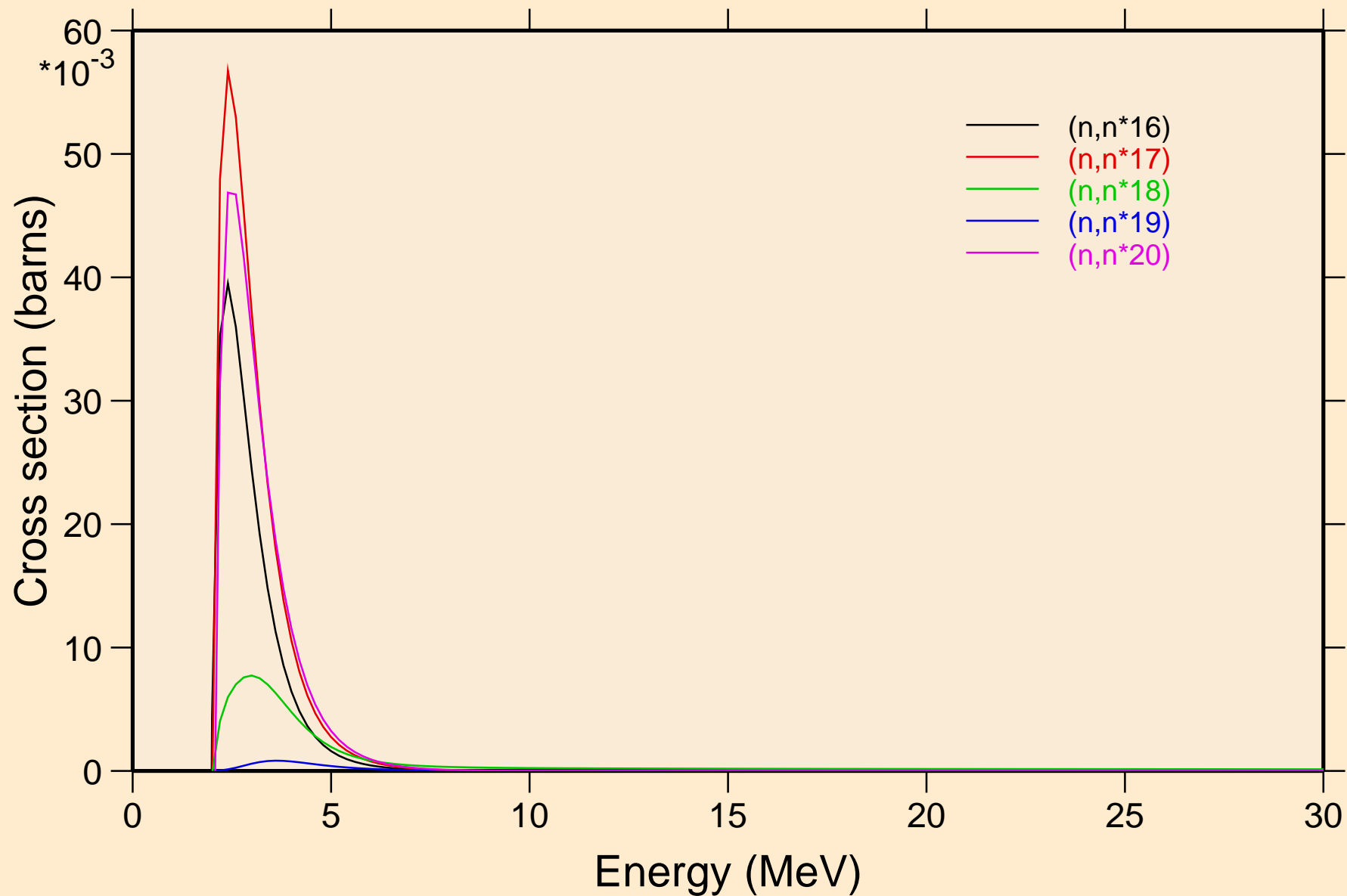


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



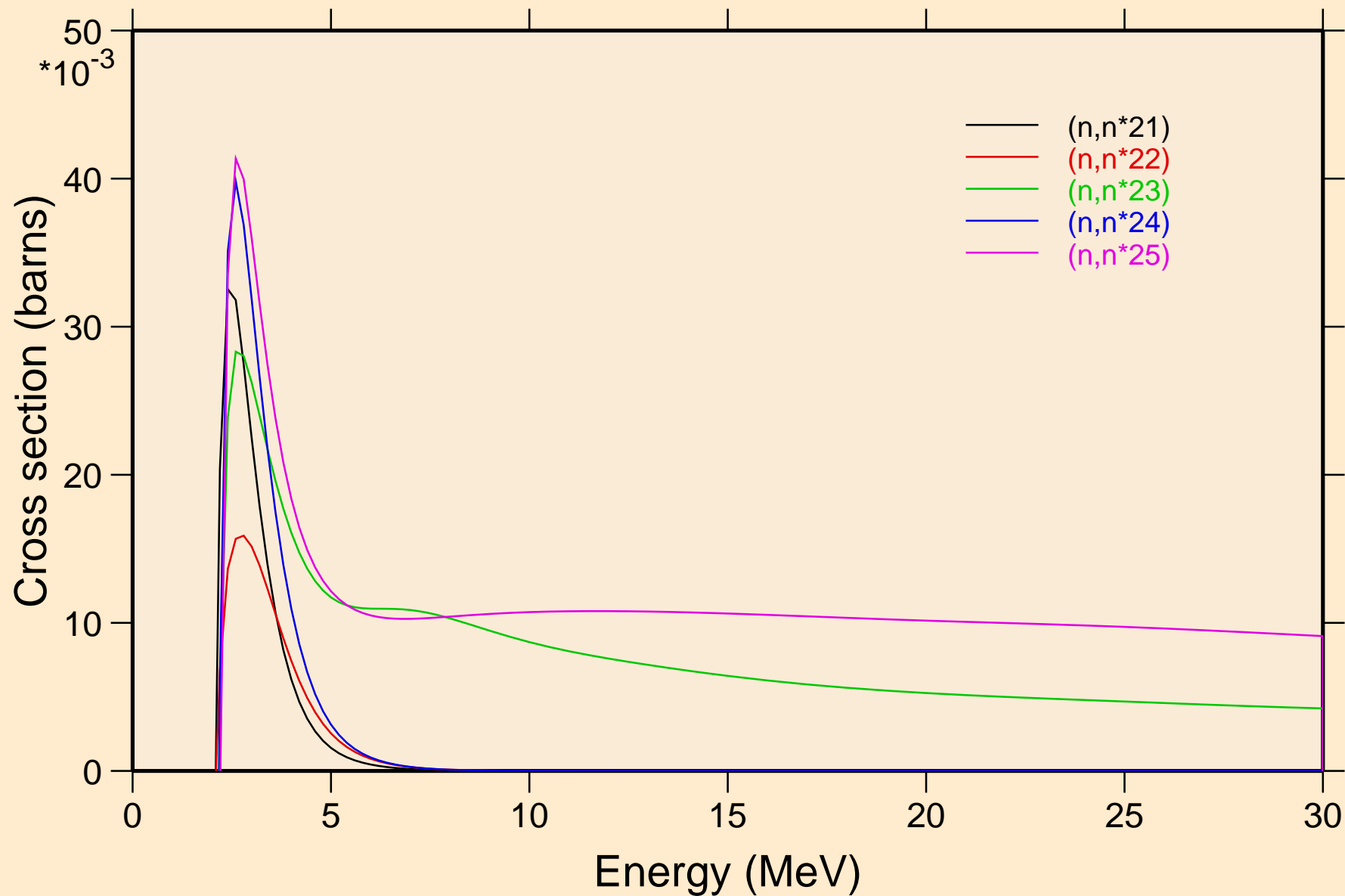
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels





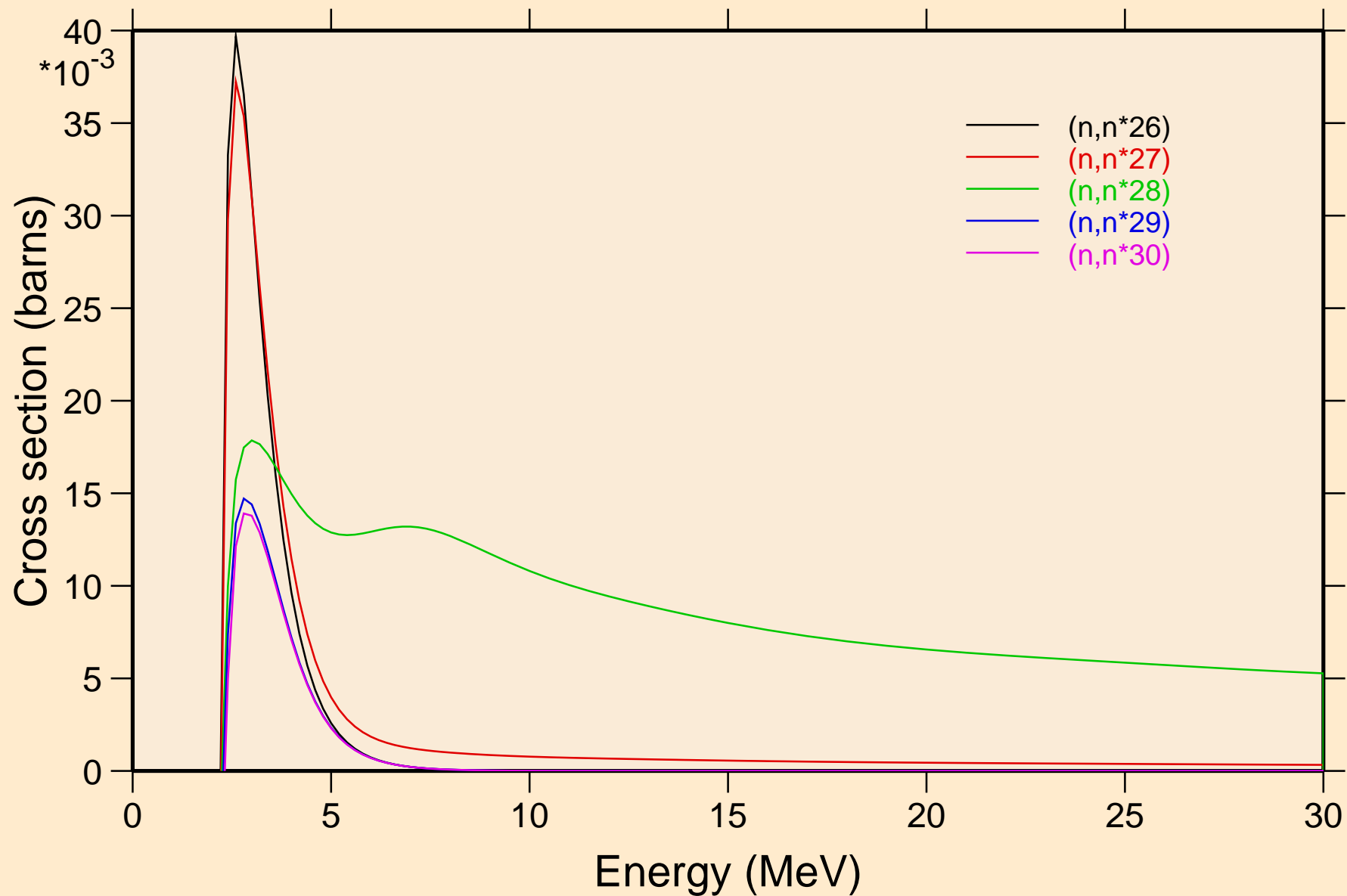
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

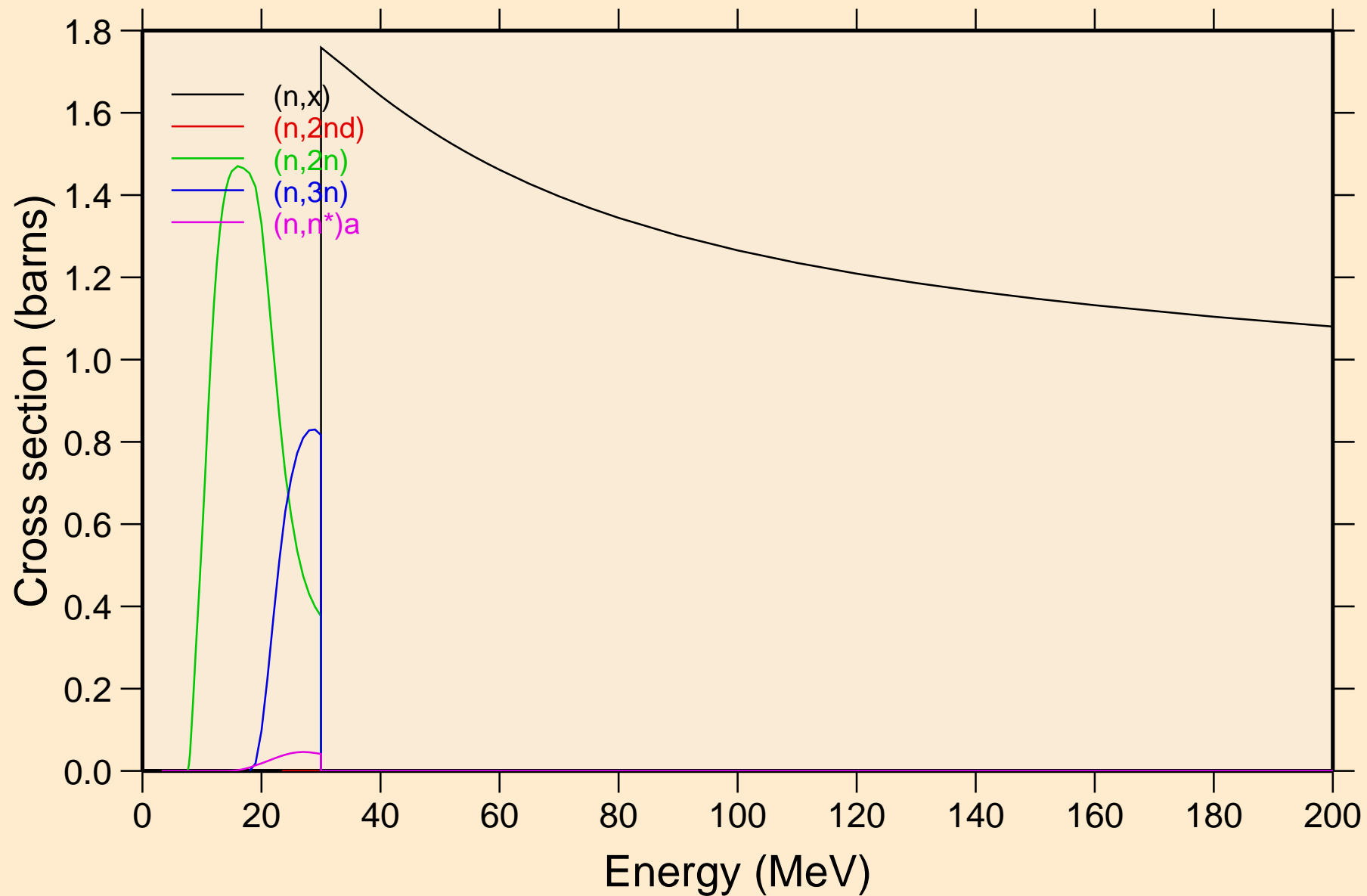


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

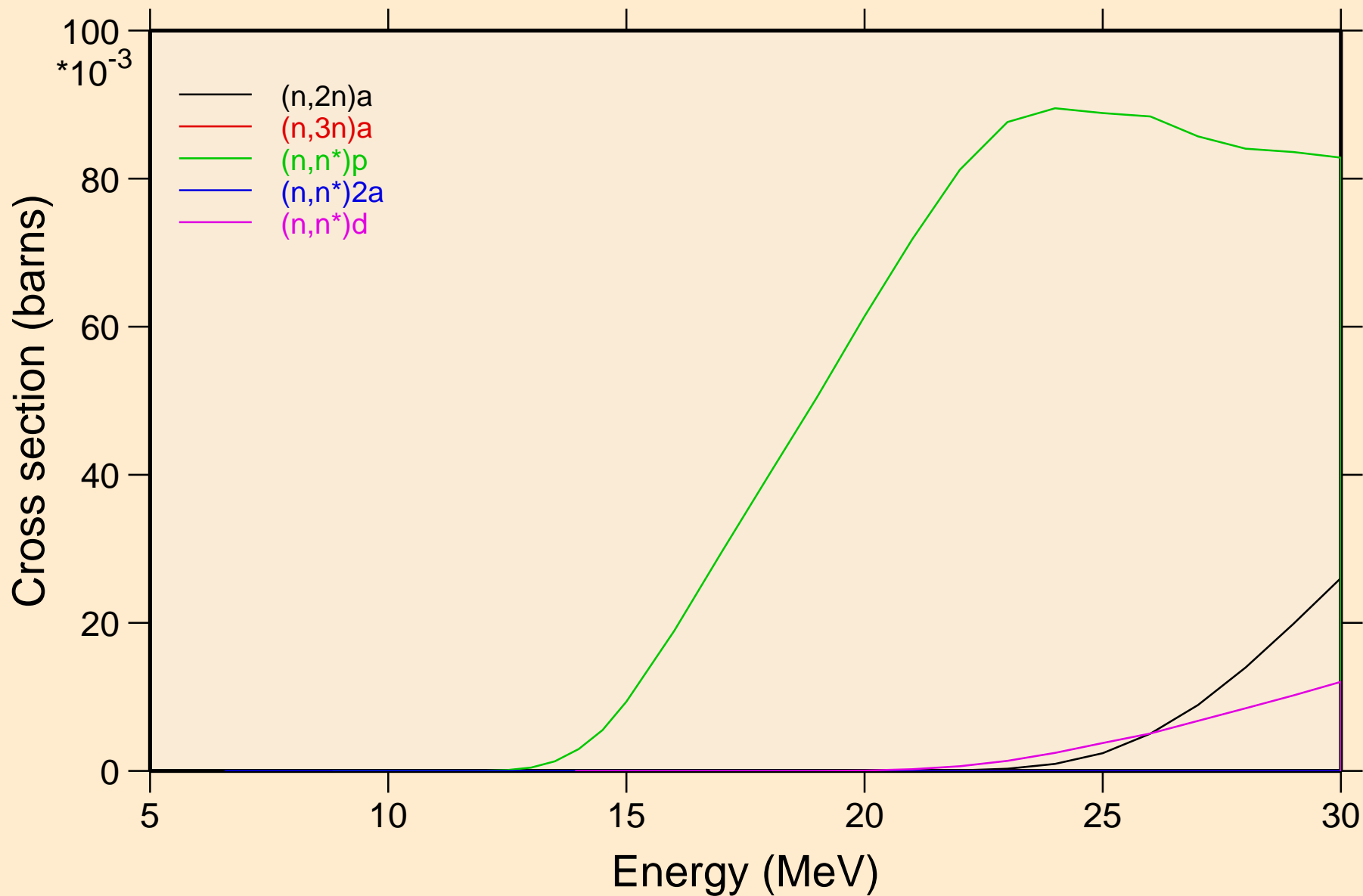


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



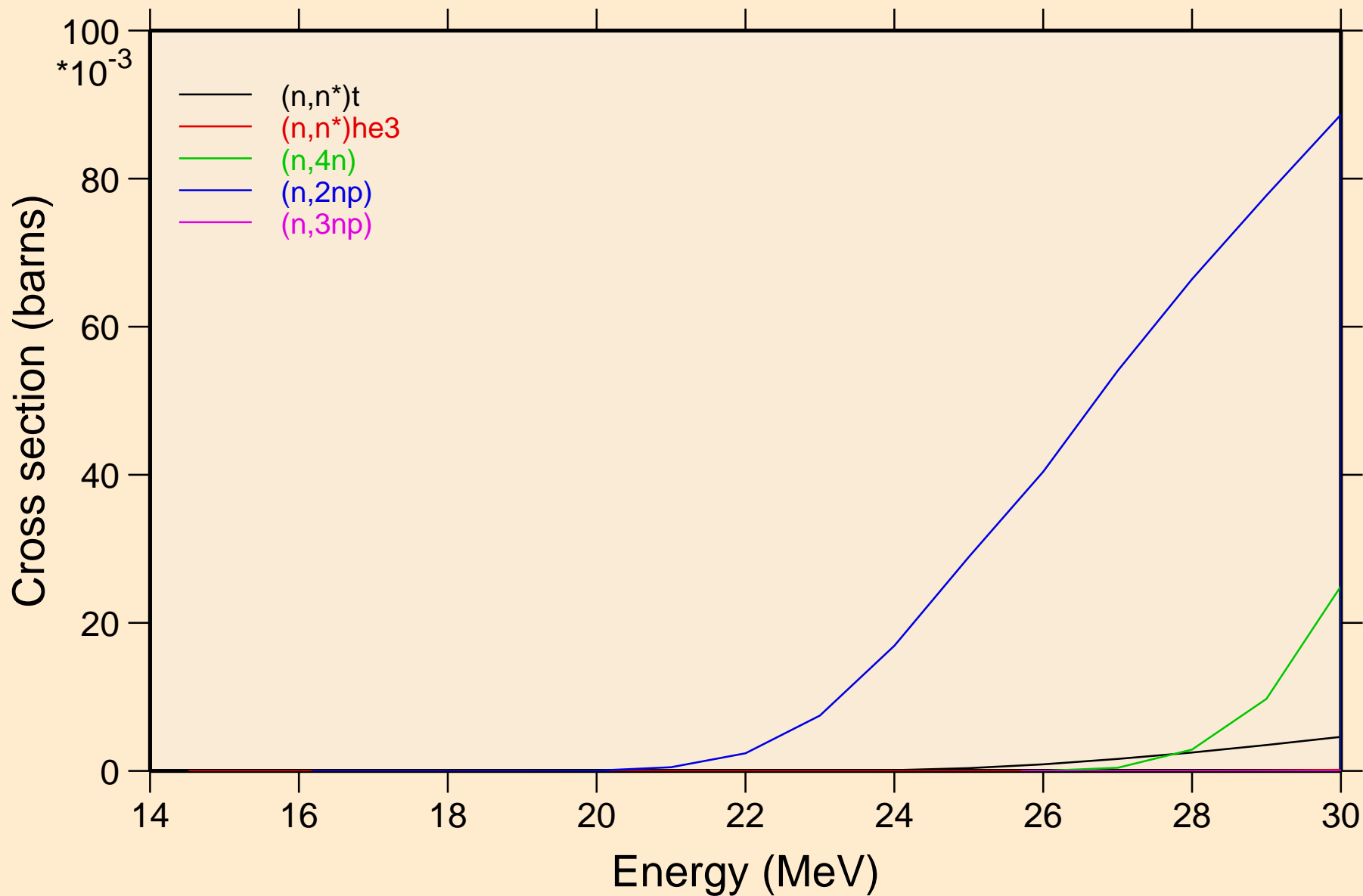
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



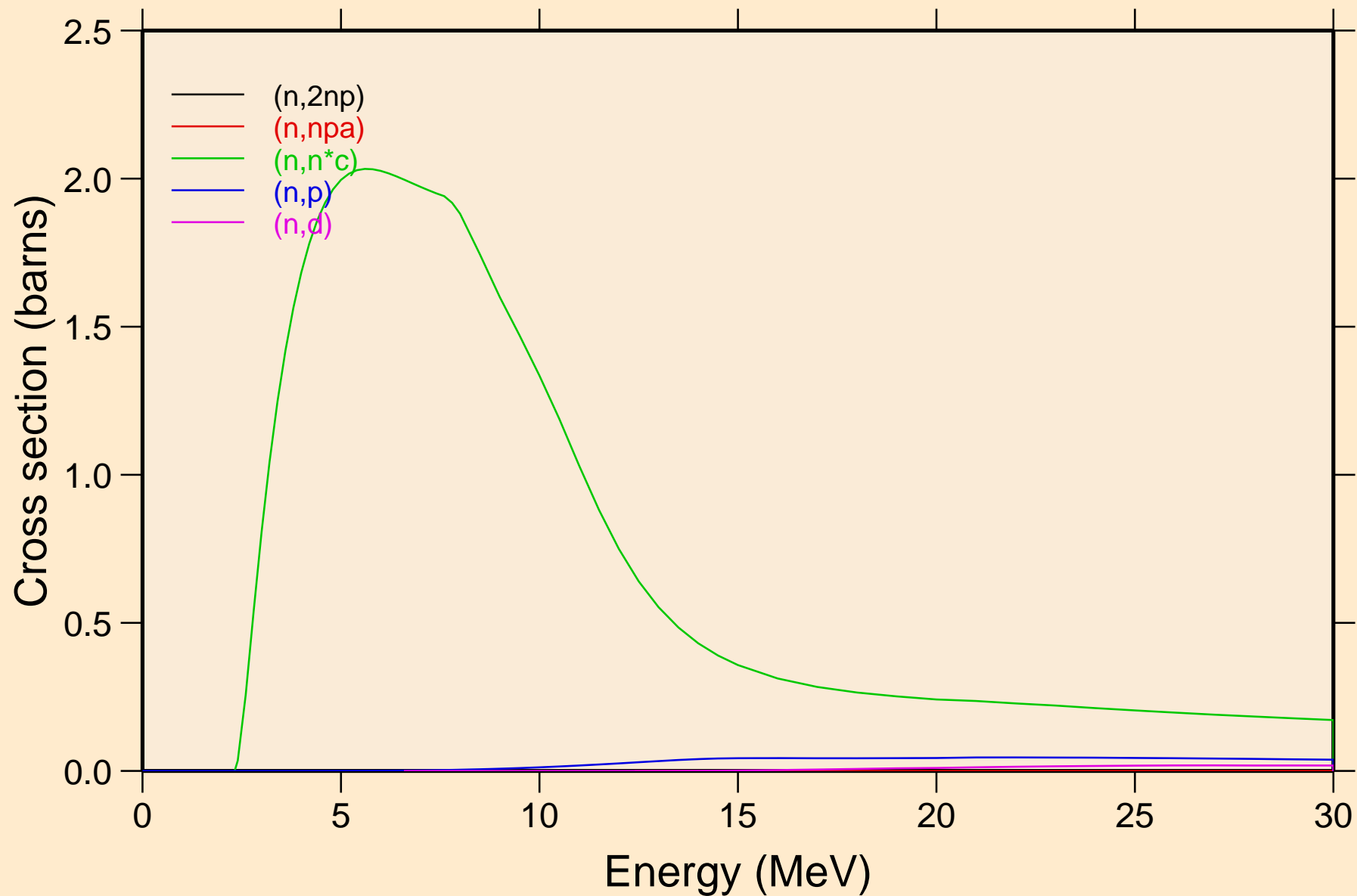
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

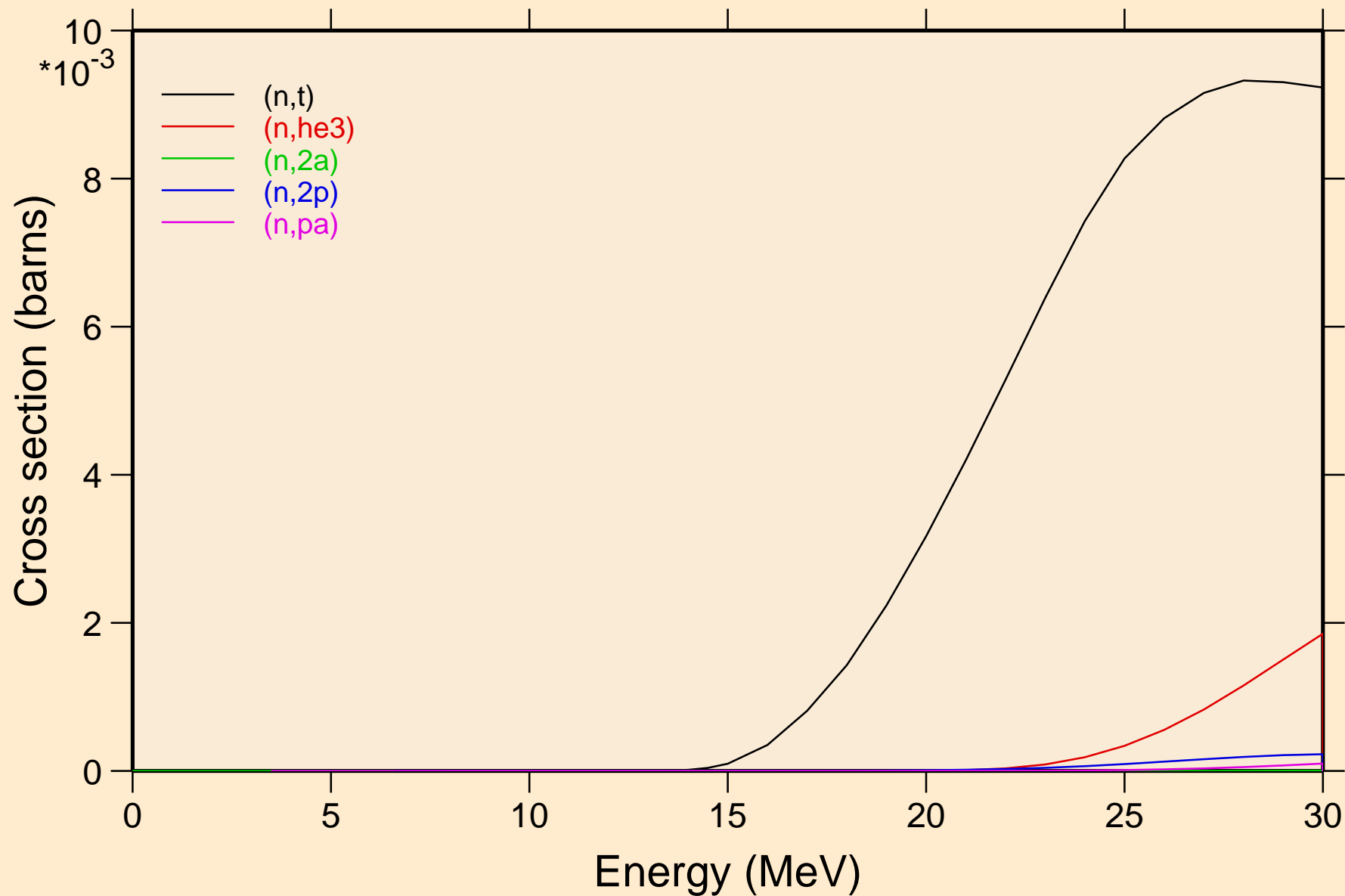


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

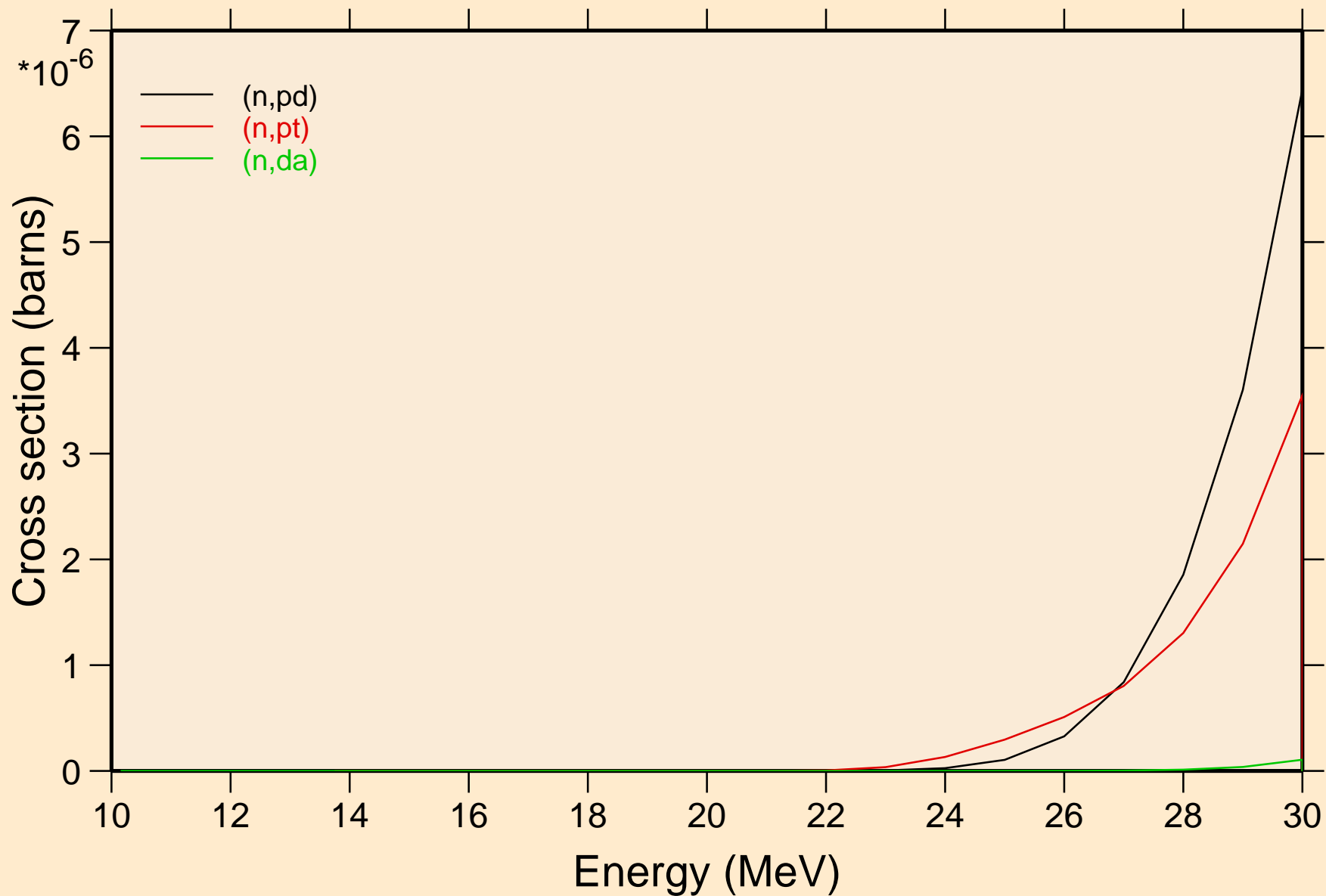


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

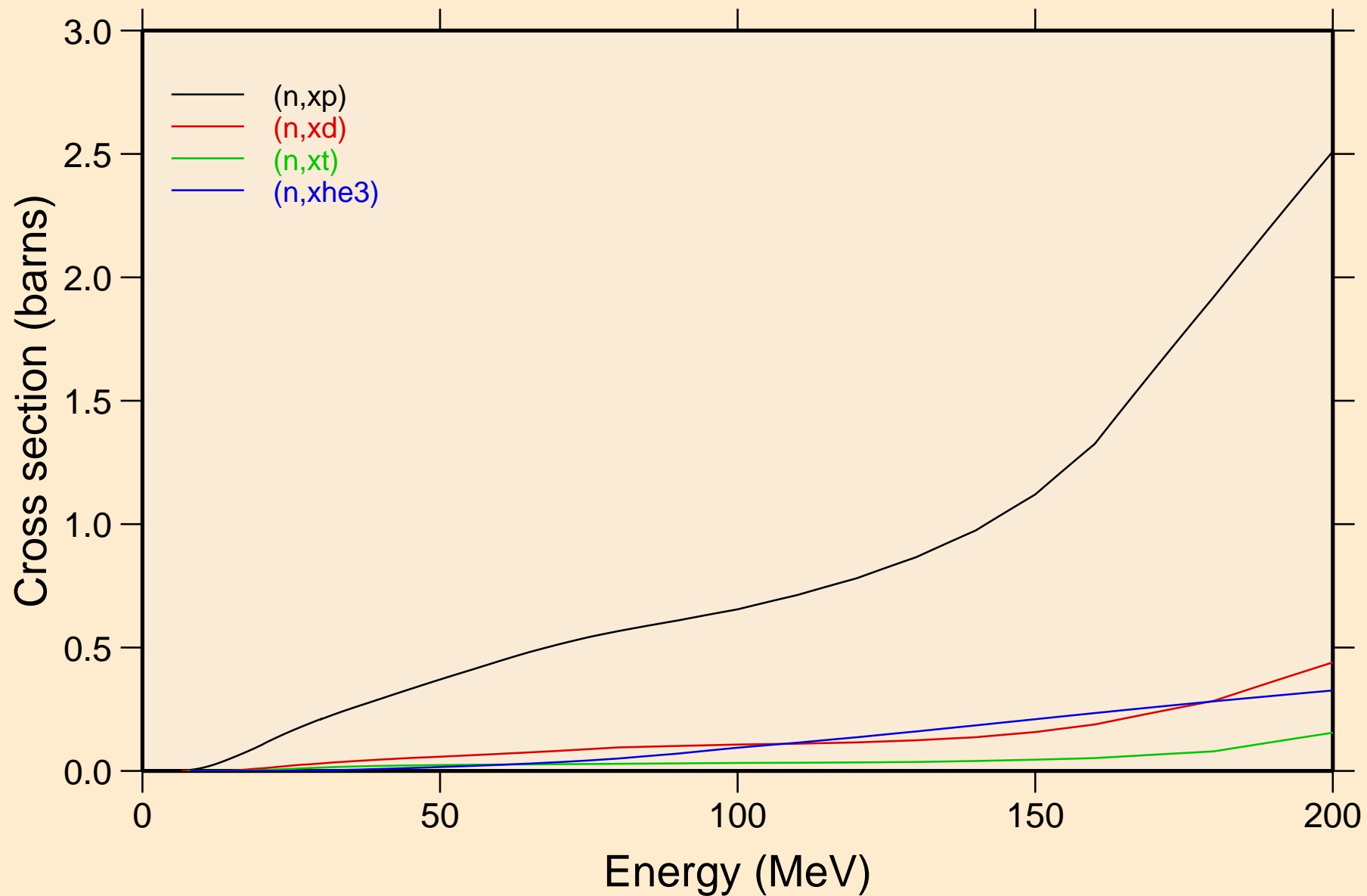
## Threshold reactions



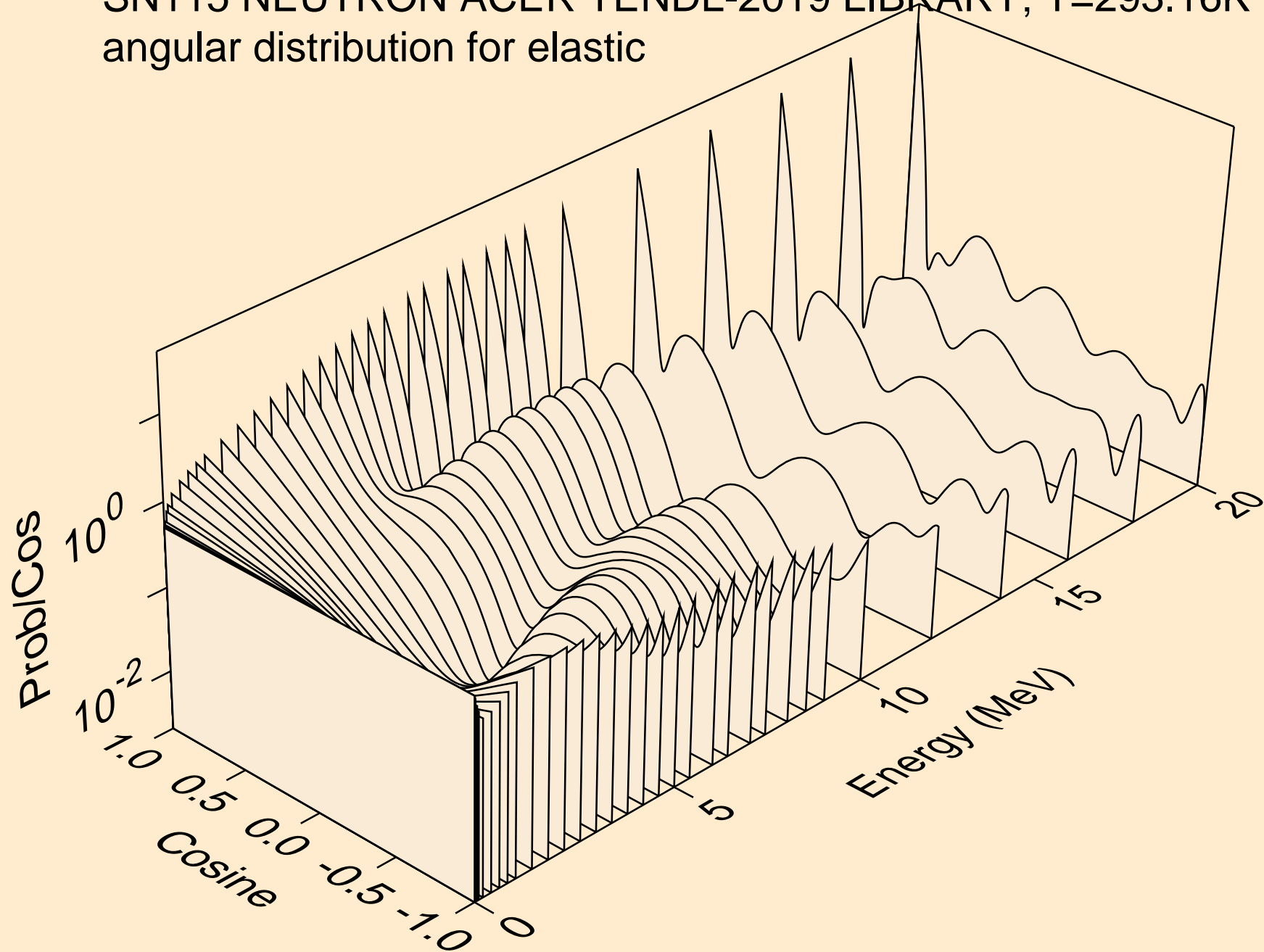


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

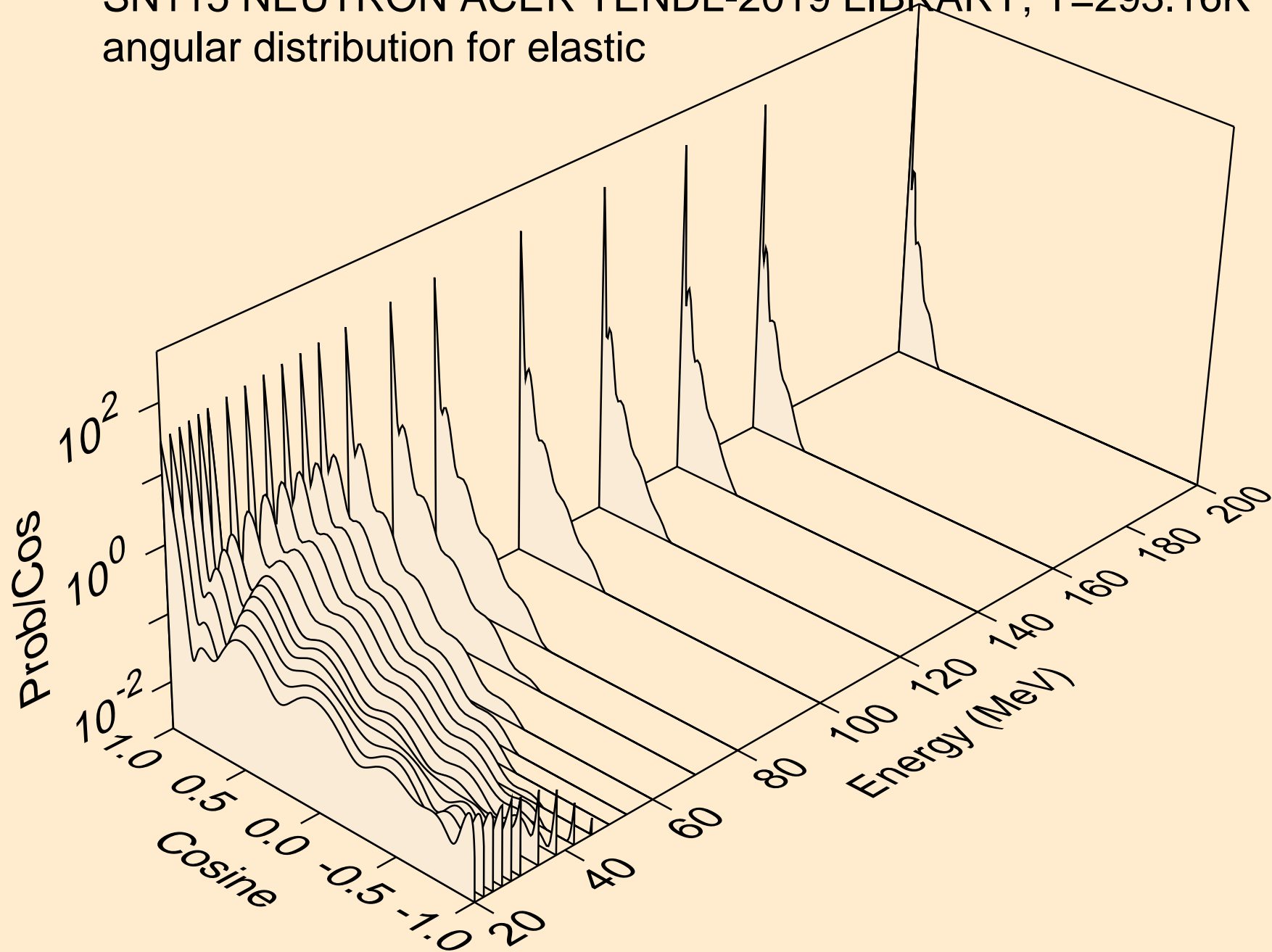
## Threshold reactions



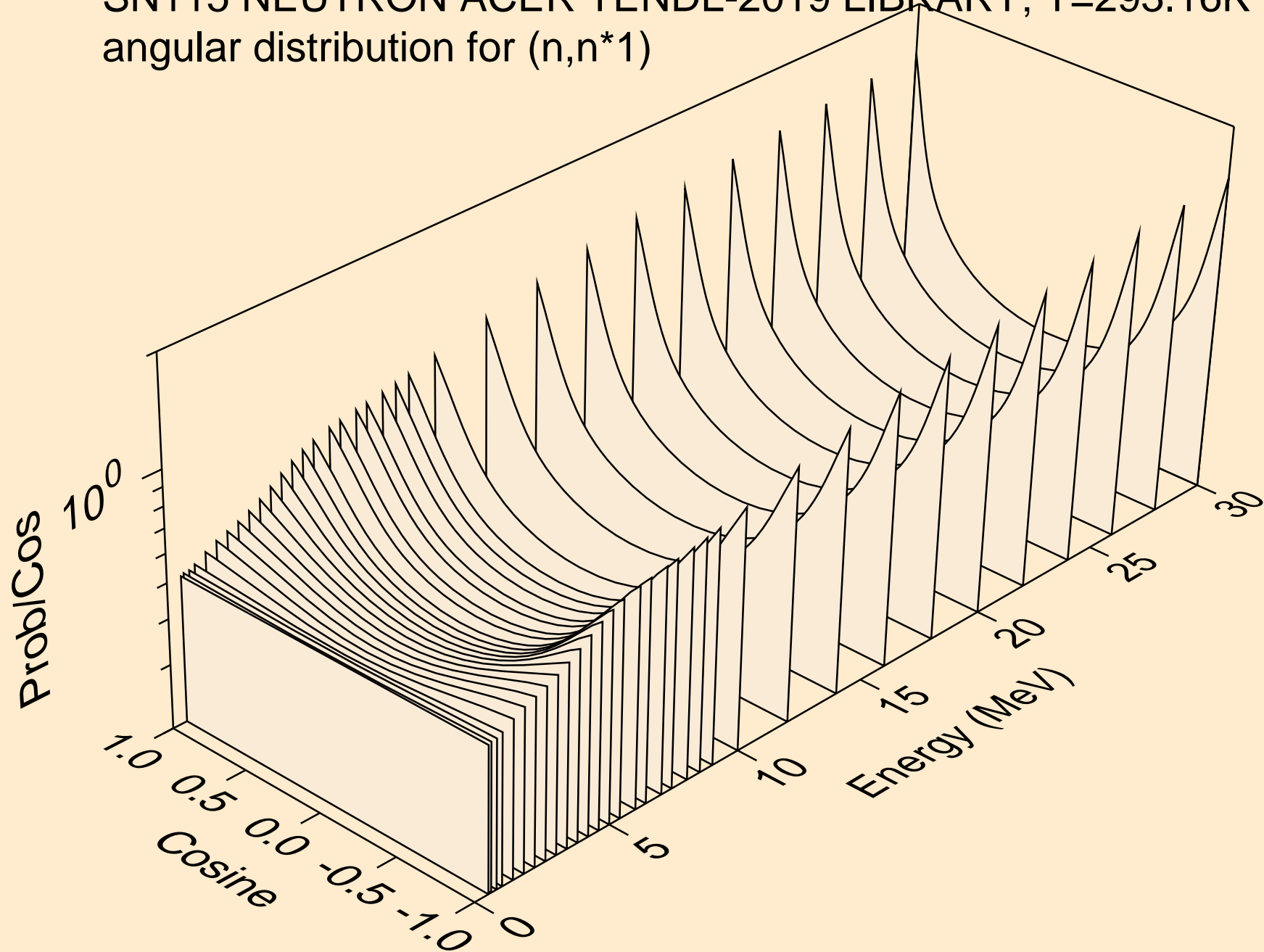
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



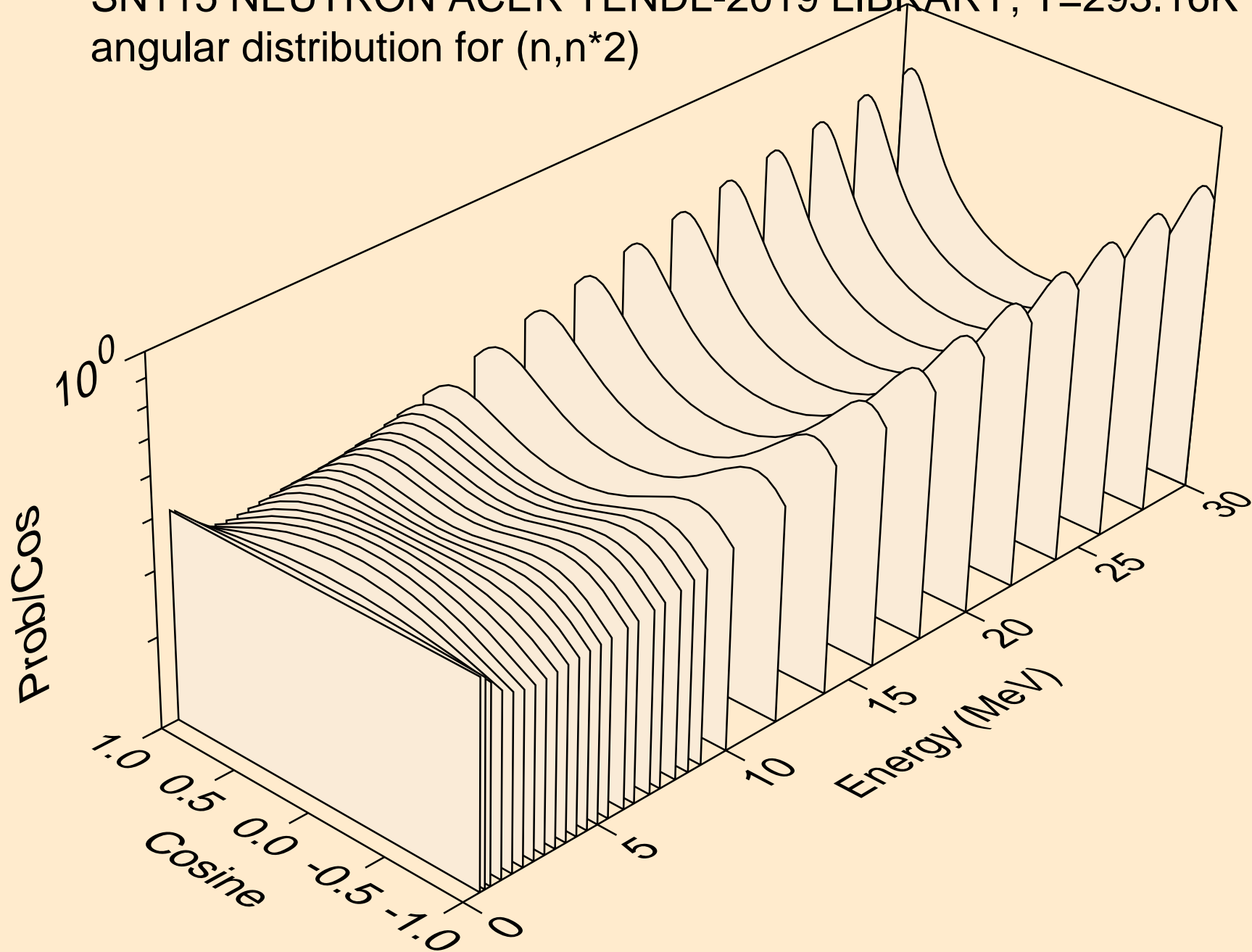
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



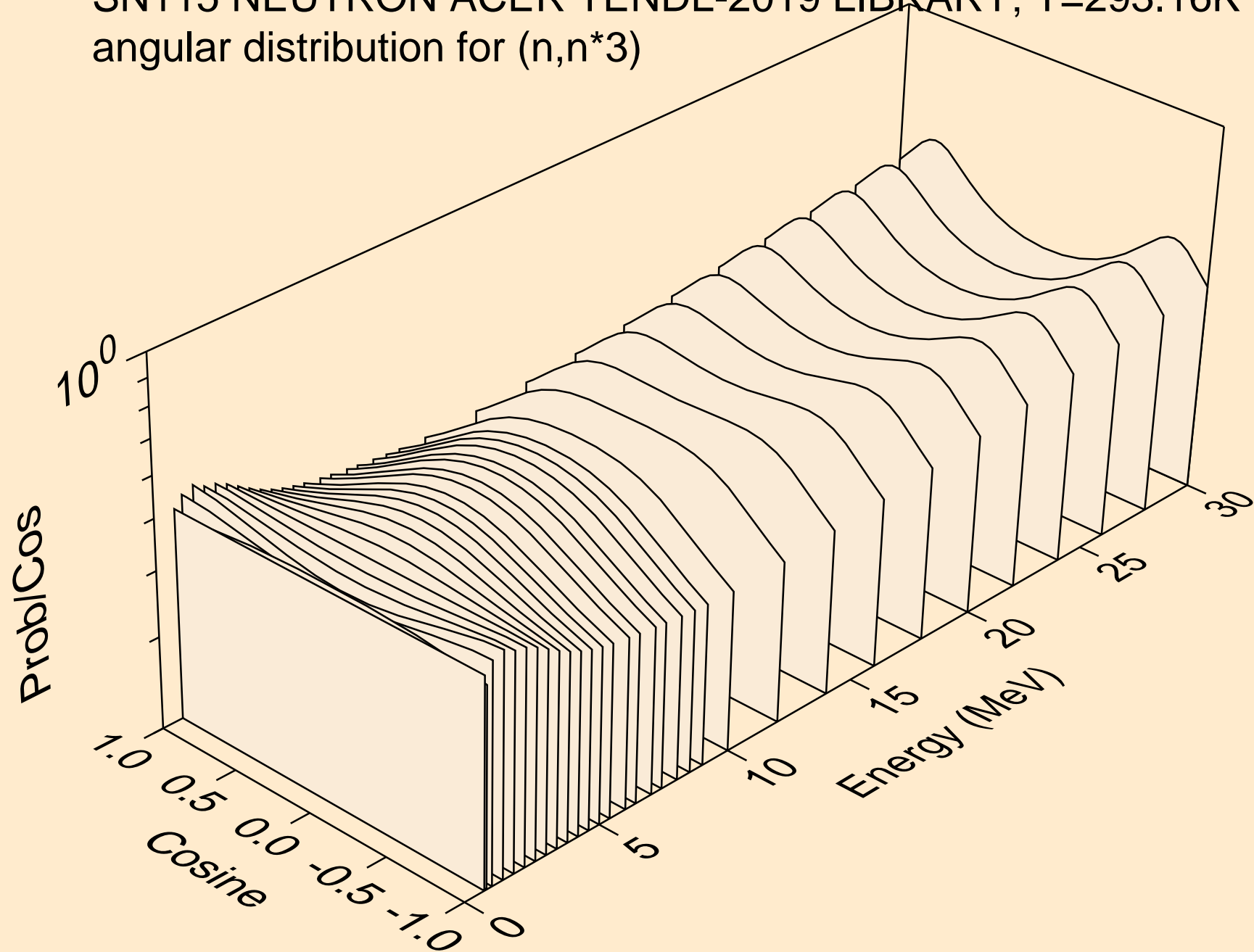
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



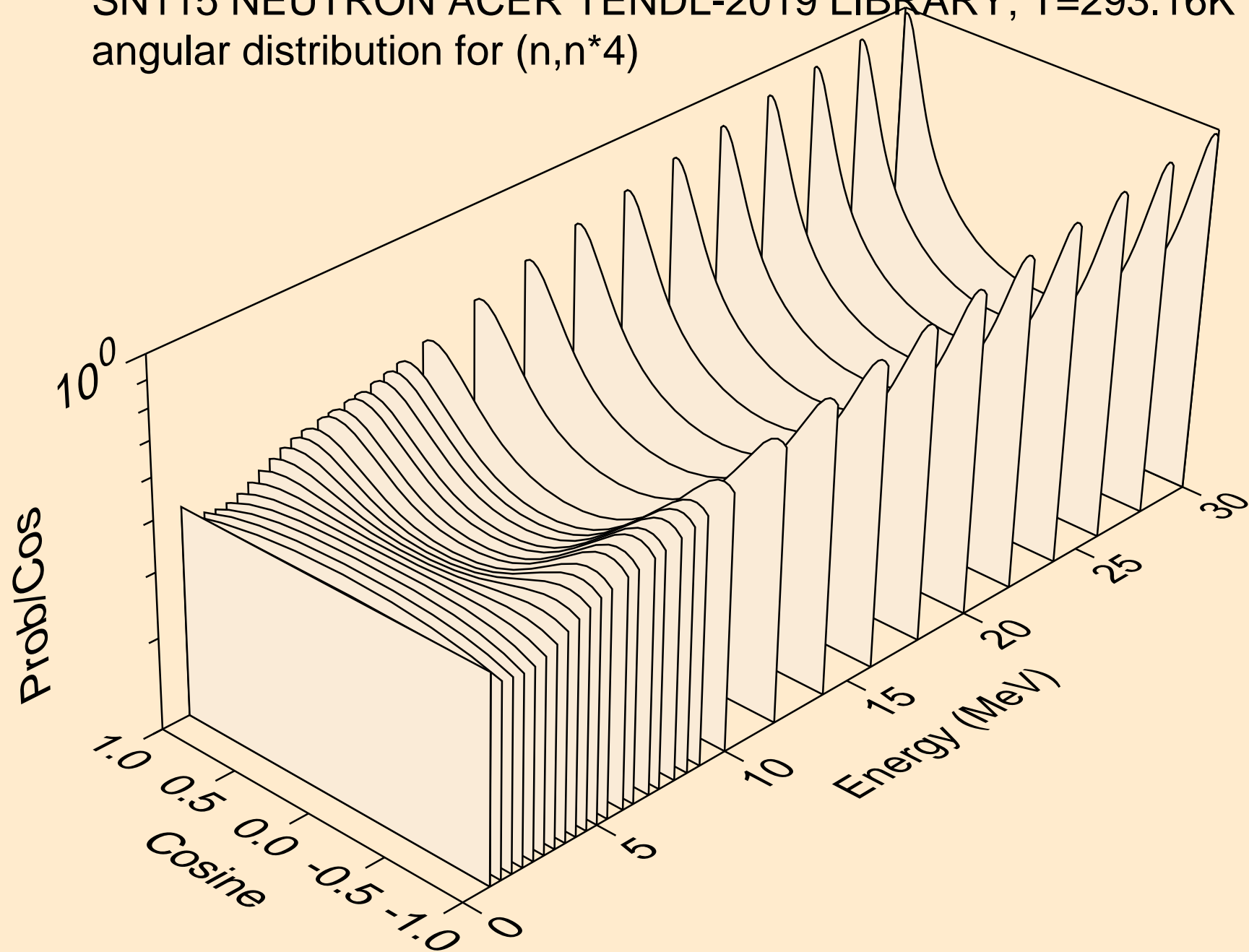
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angular distribution for (n,n\*2)



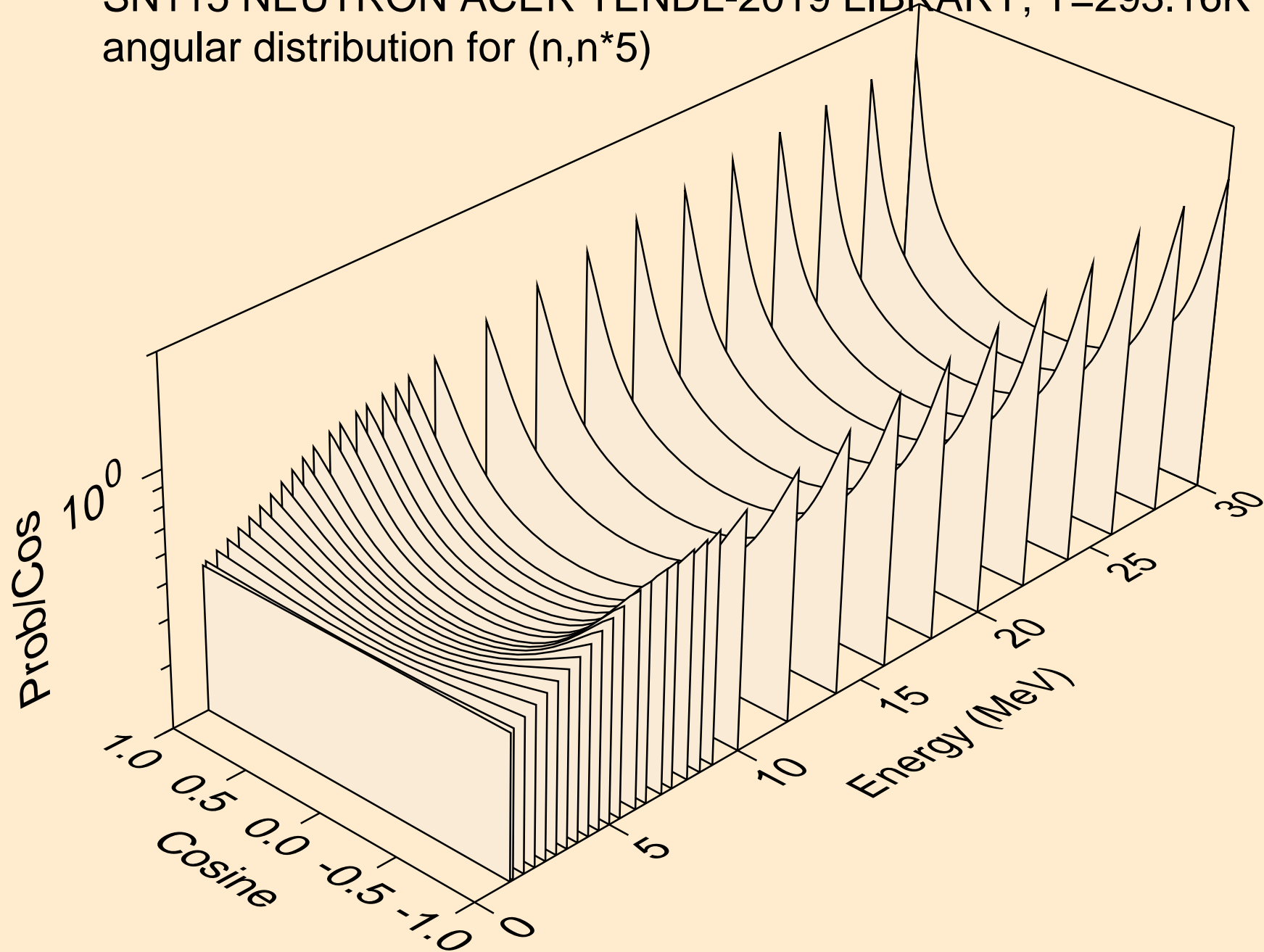
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

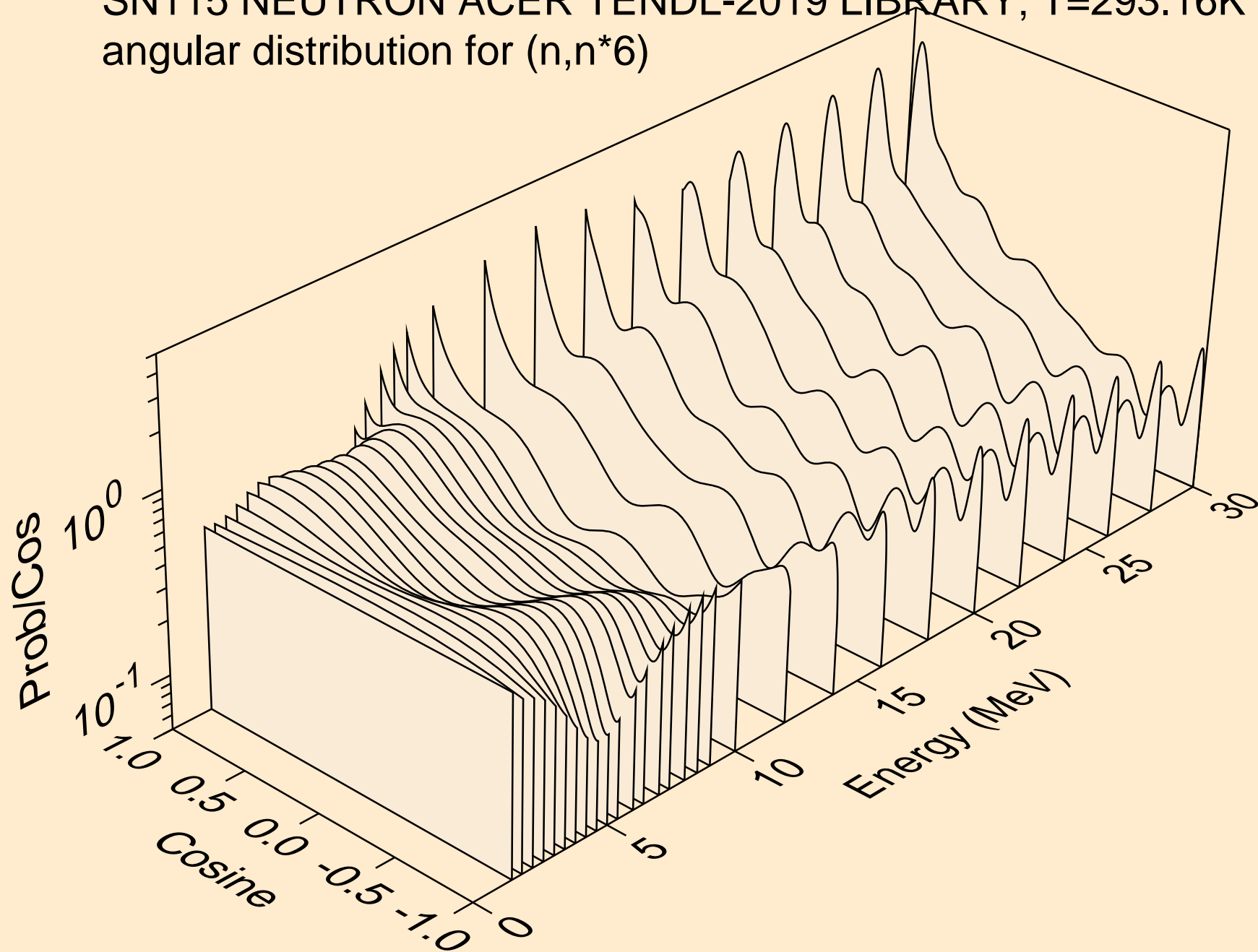


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

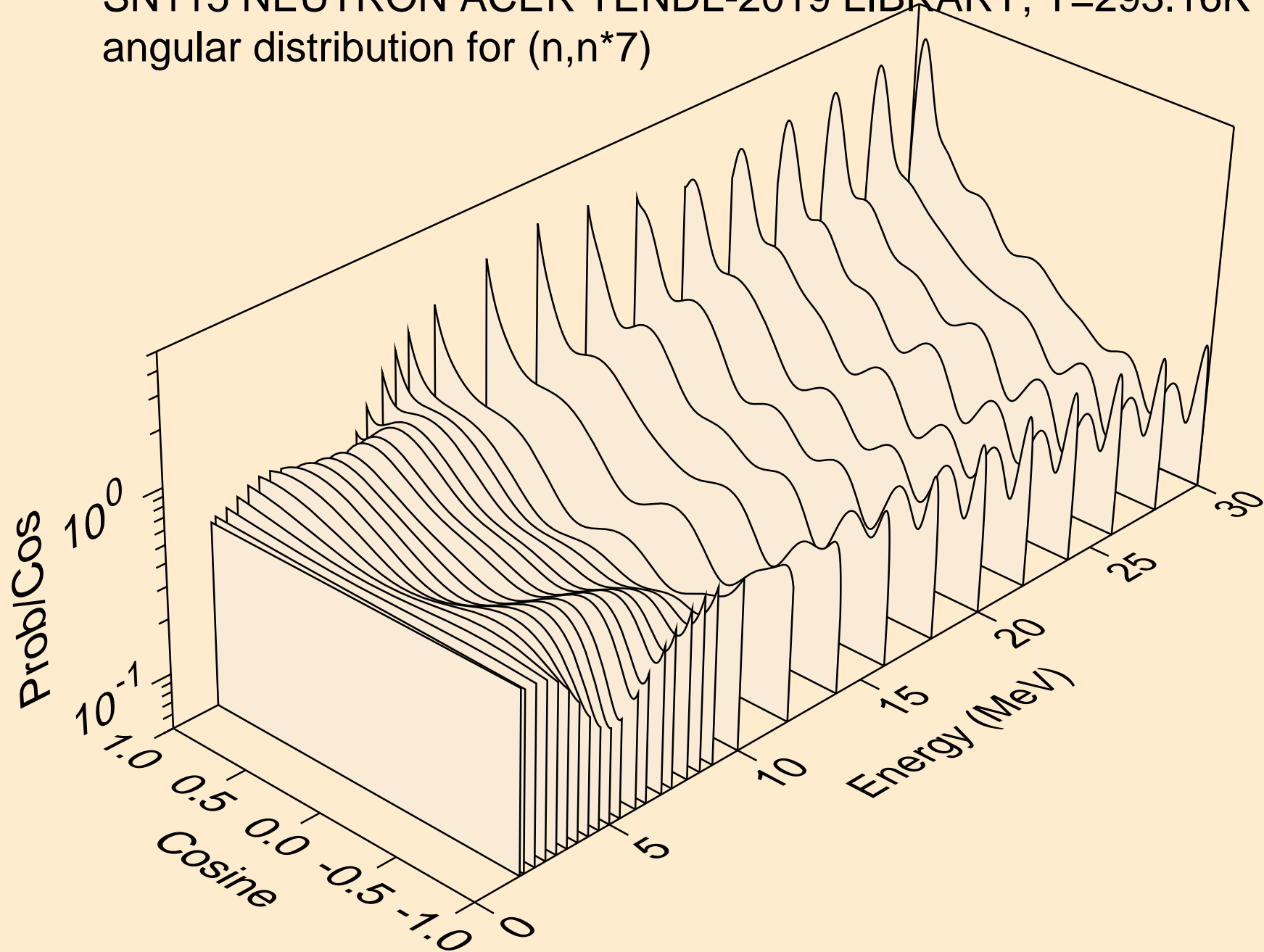




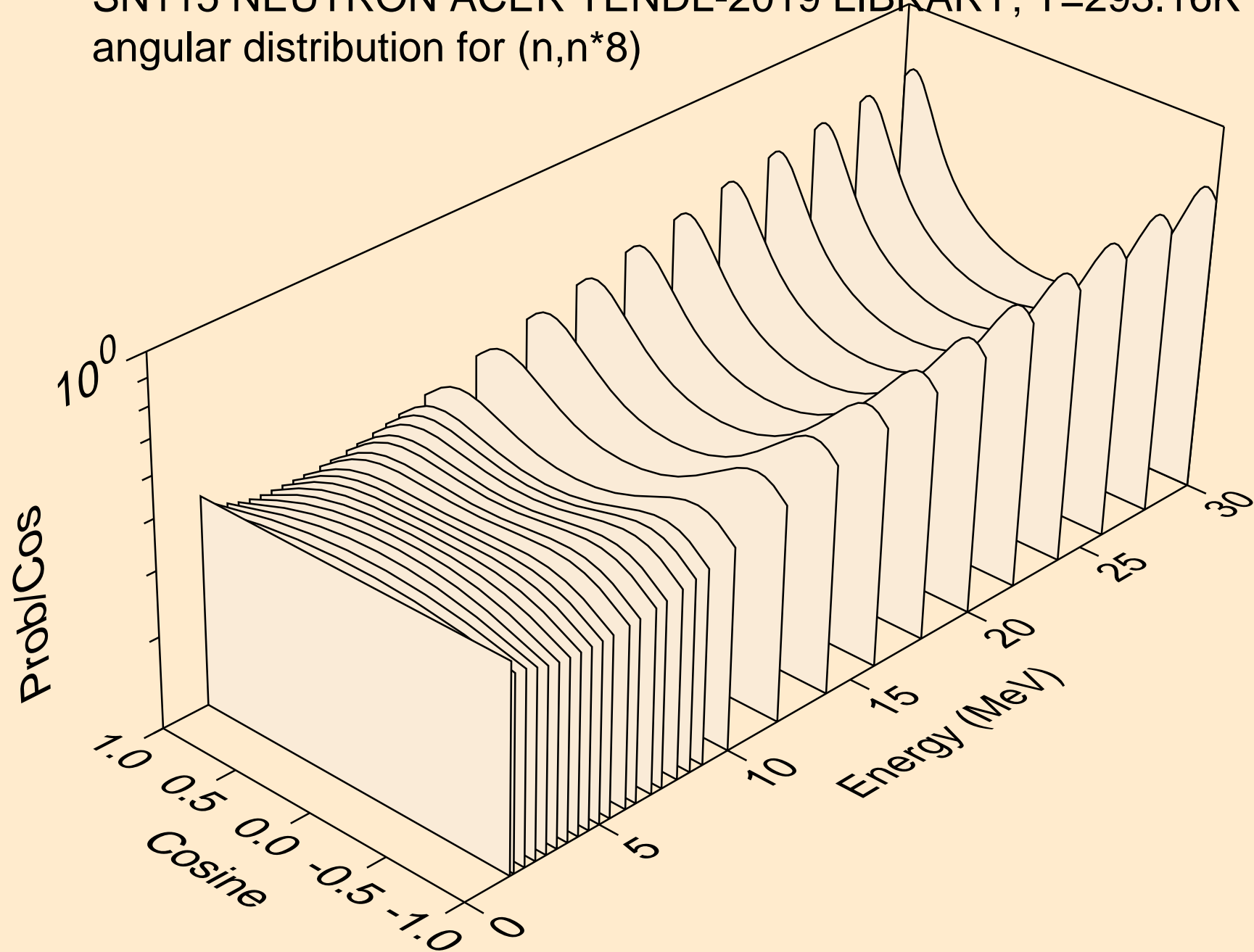
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angular distribution for (n,n\*6)



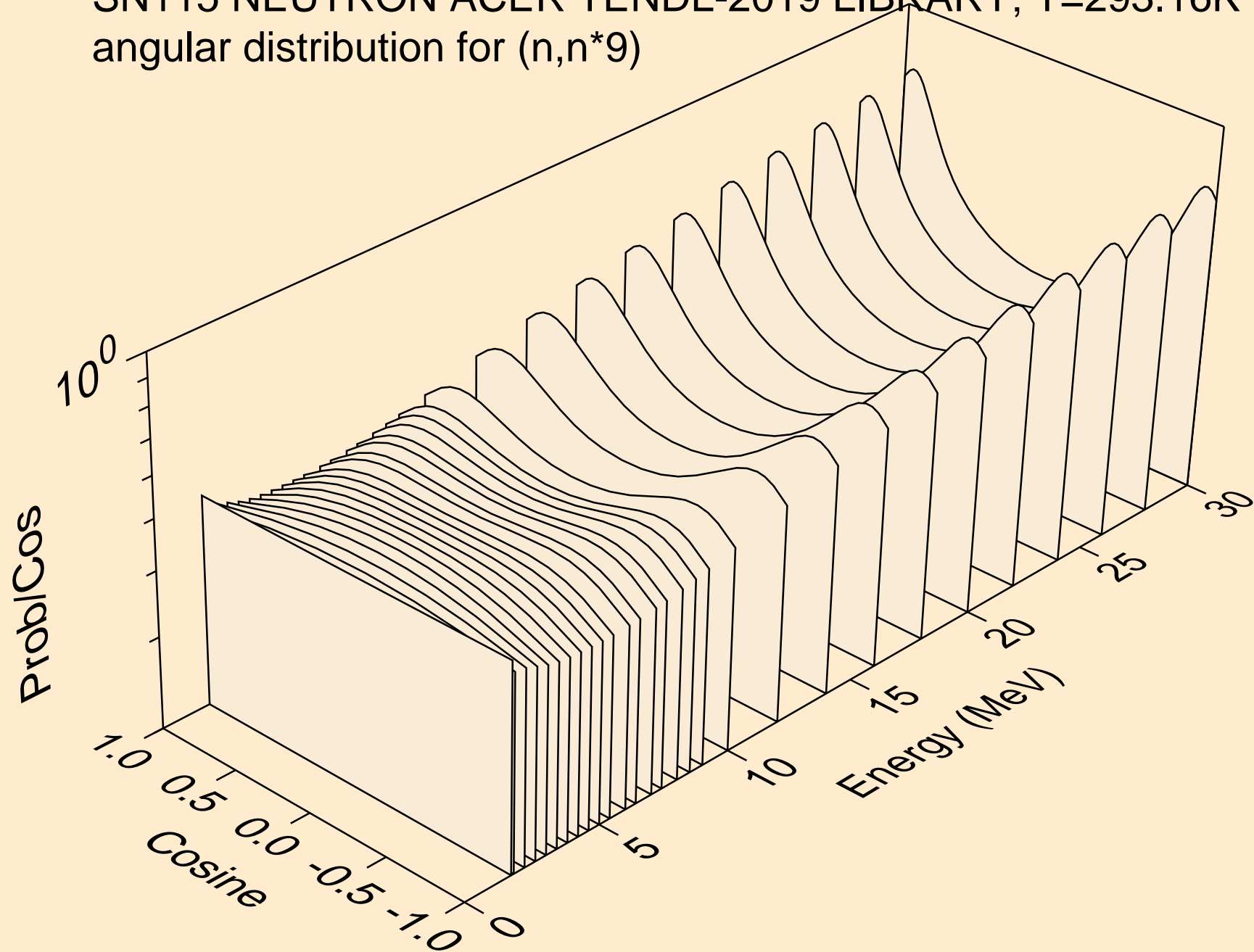
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angular distribution for (n,n\*7)



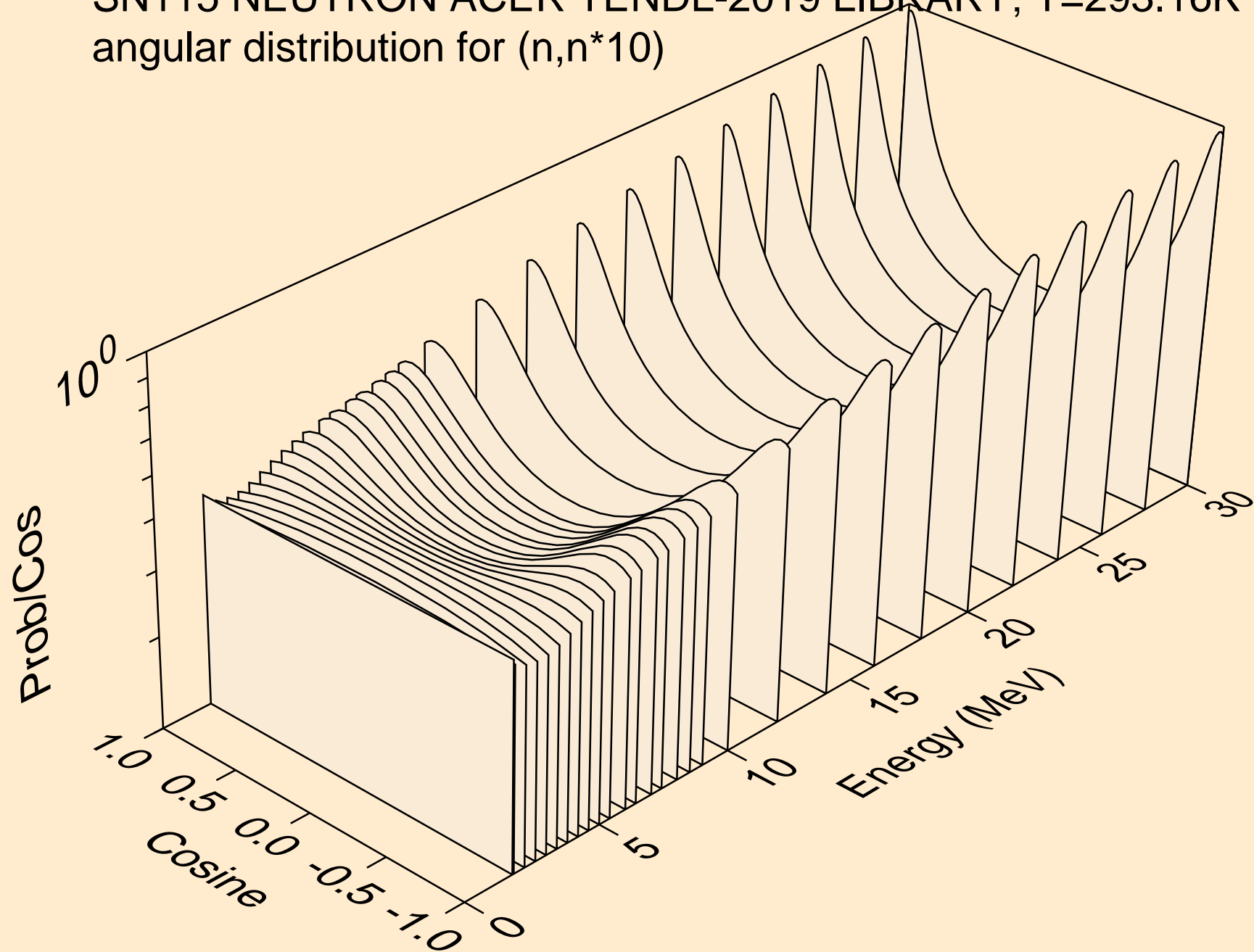
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angular distribution for (n,n\*8)



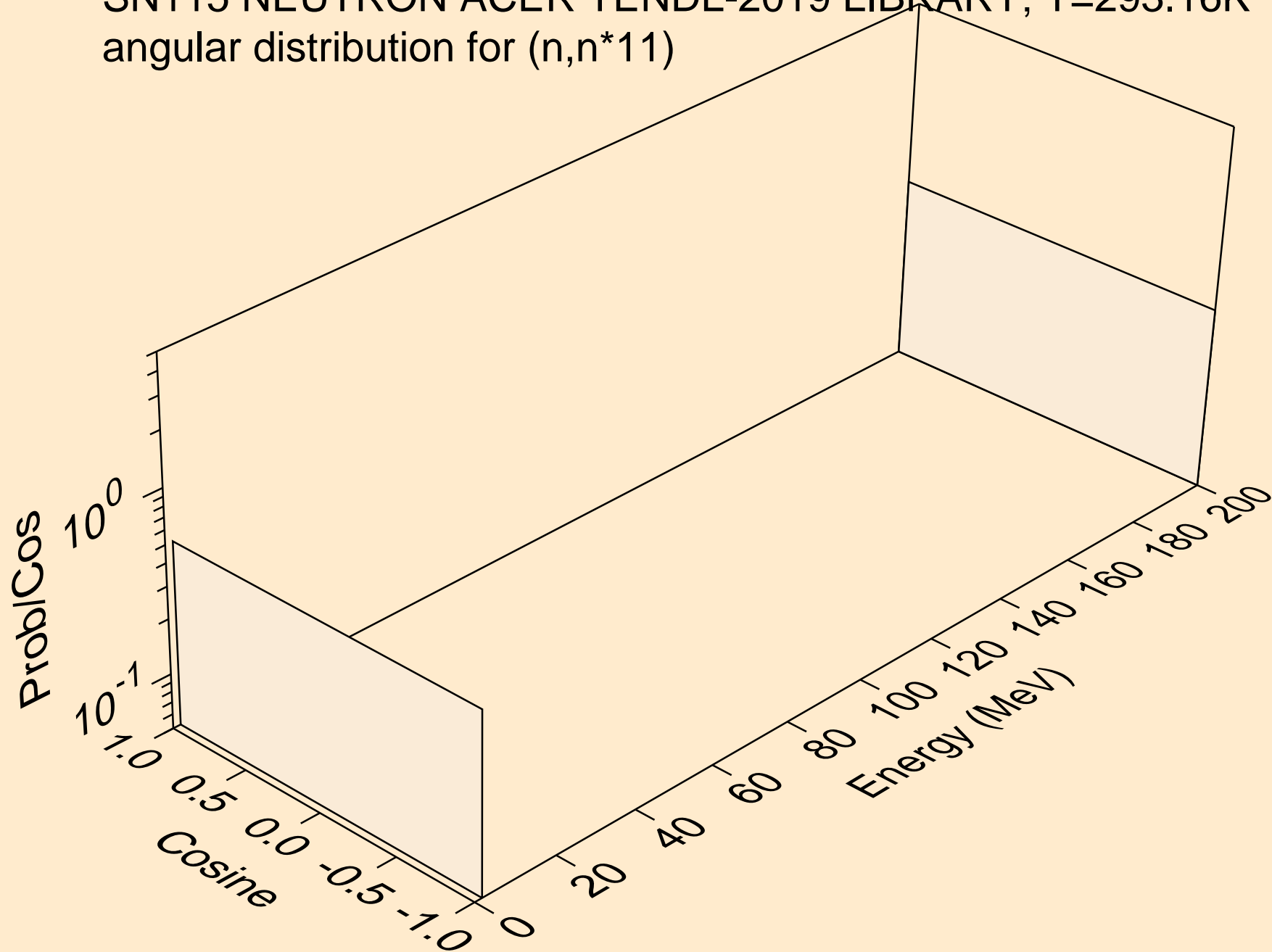
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angular distribution for (n,n\*9)



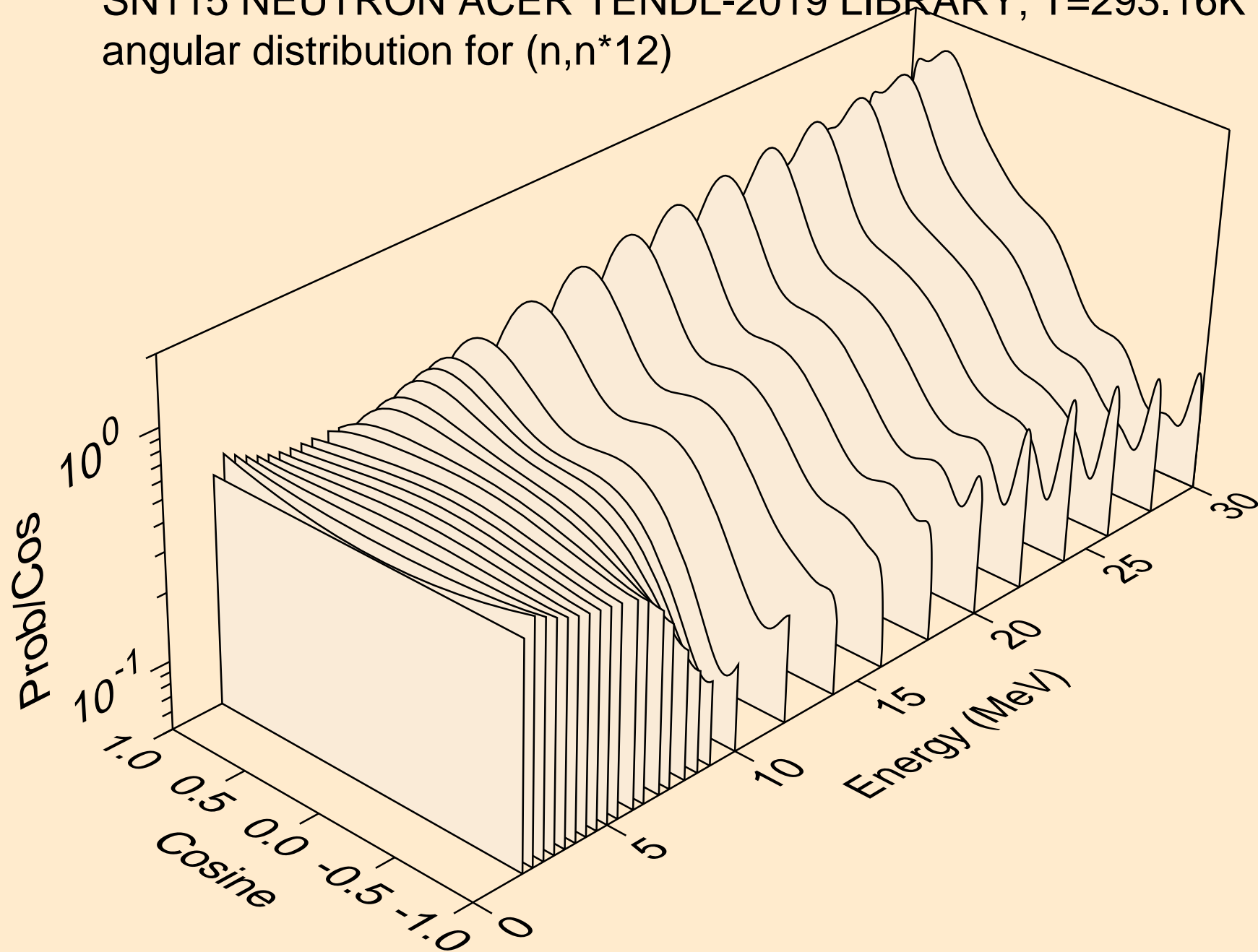
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angular distribution for (n,n\*10)



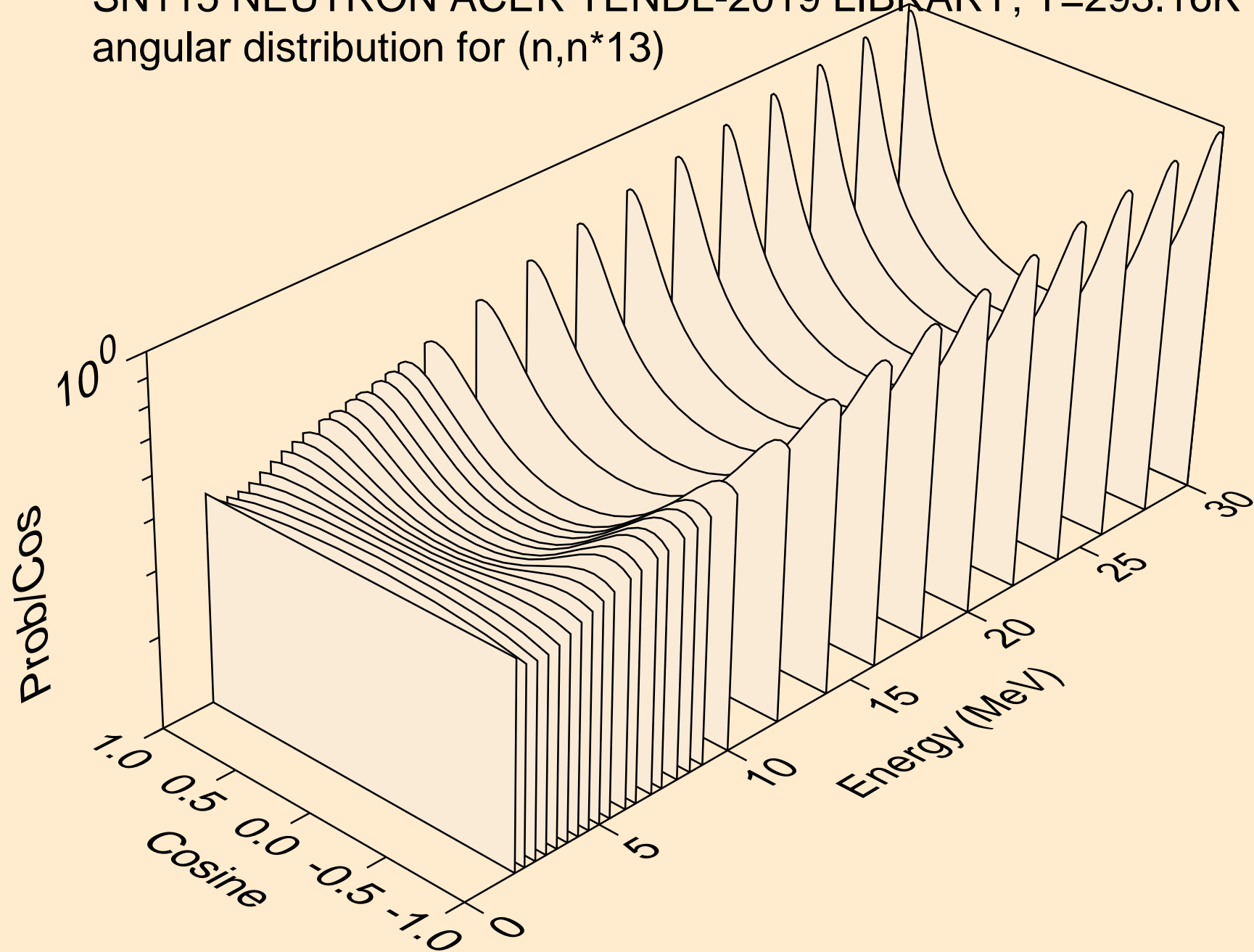
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

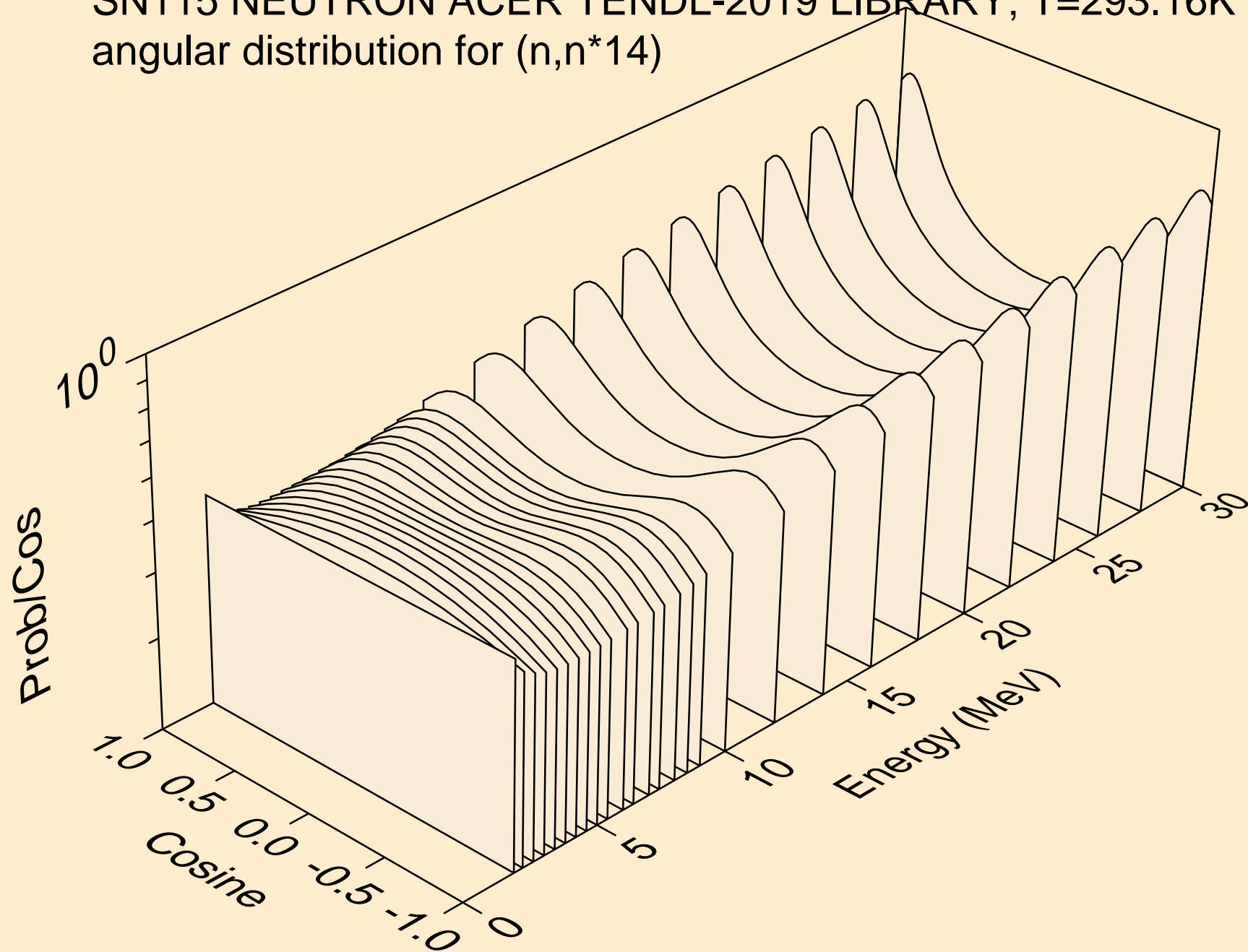


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

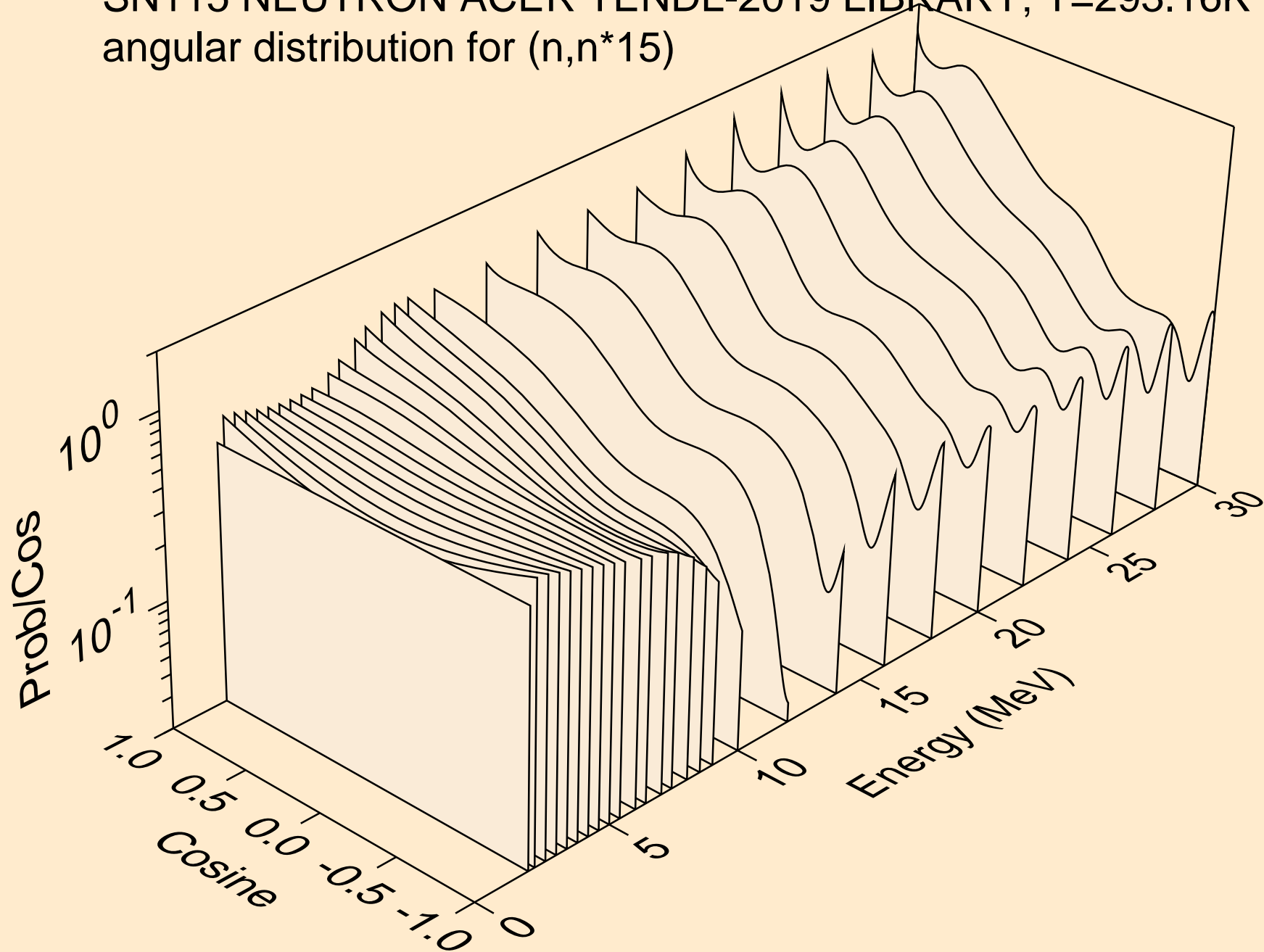




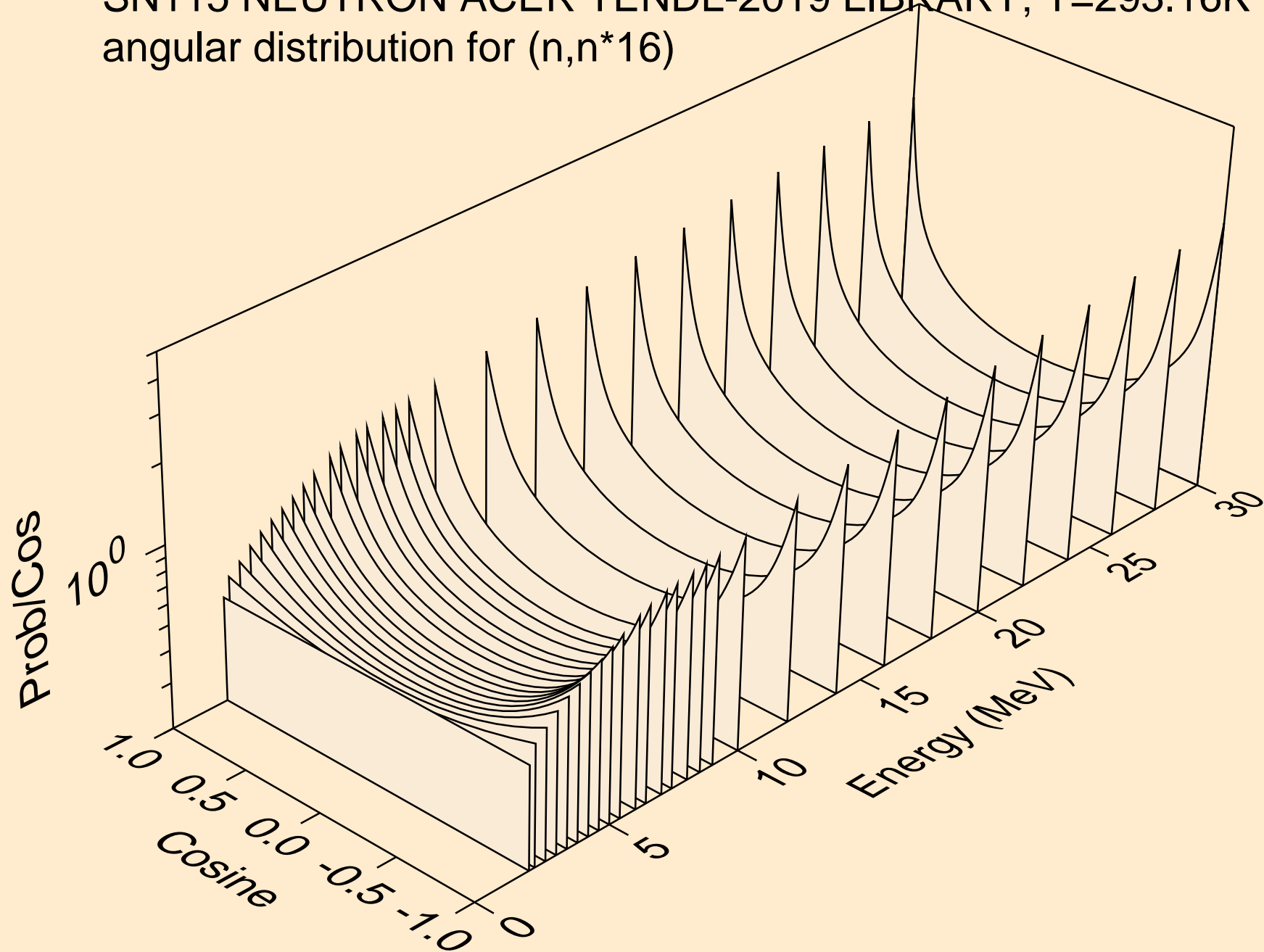
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angular distribution for (n,n\*14)



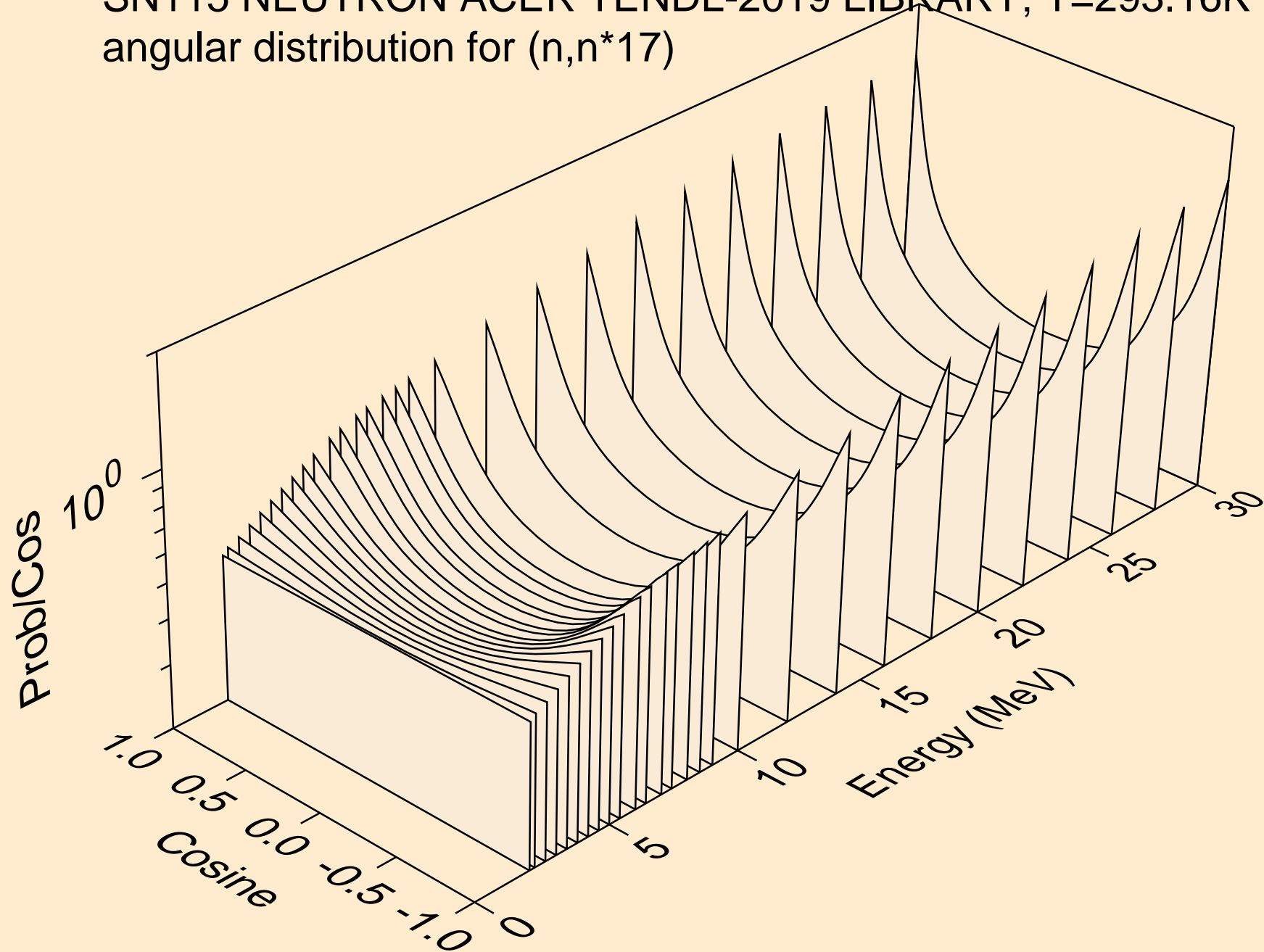
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angular distribution for (n,n\*15)



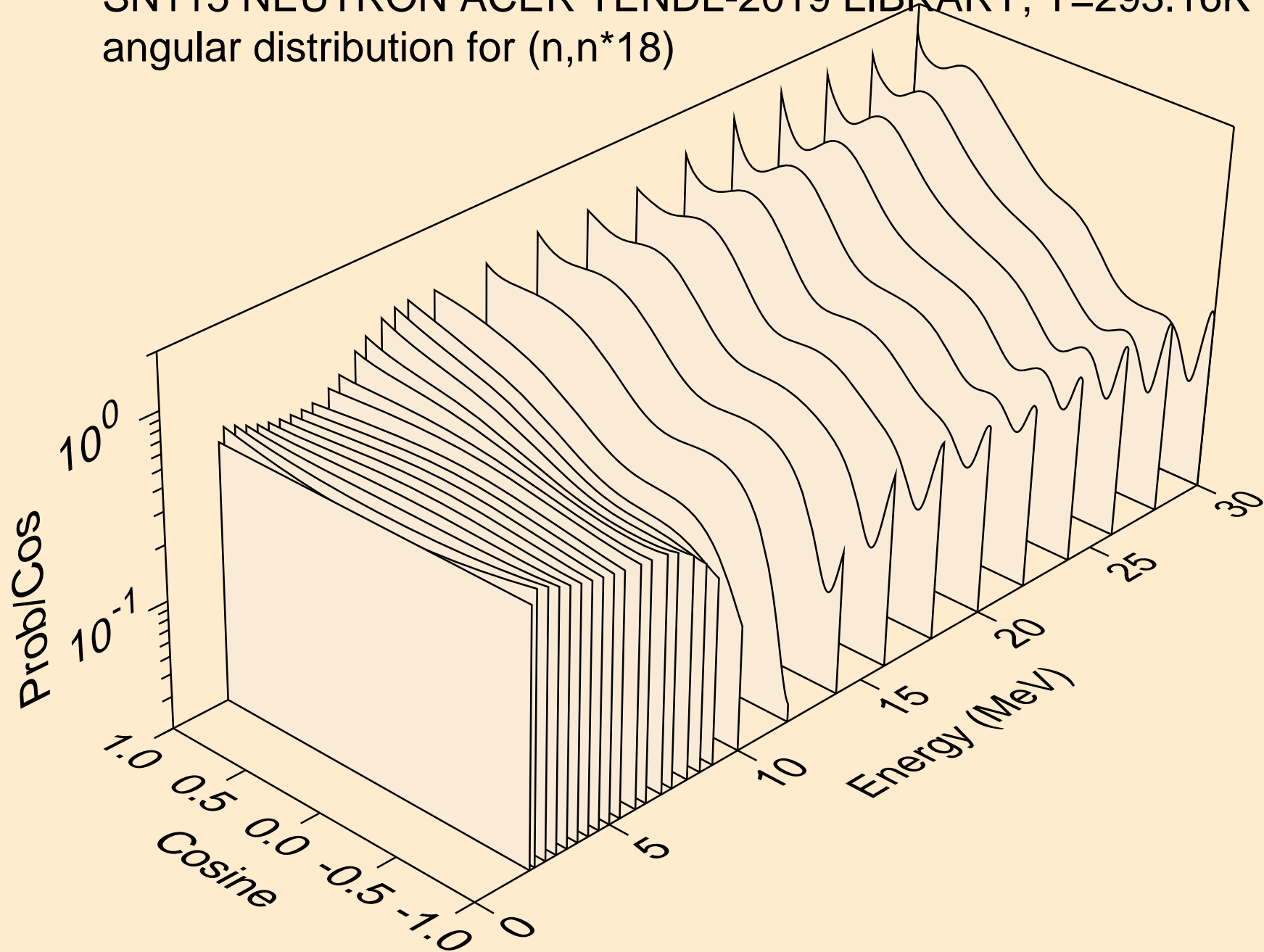
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angular distribution for (n,n\*16)



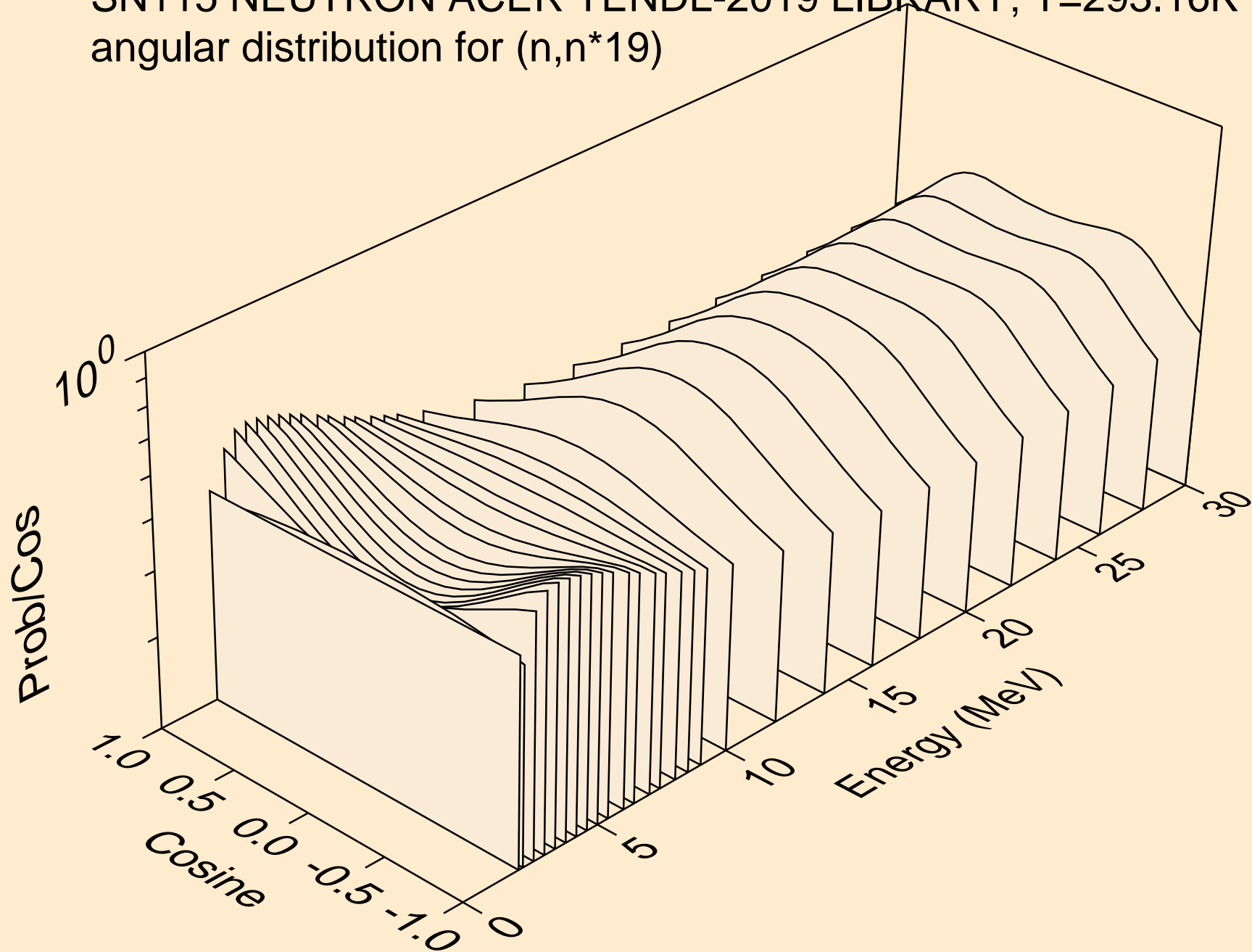
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angular distribution for (n,n\*17)



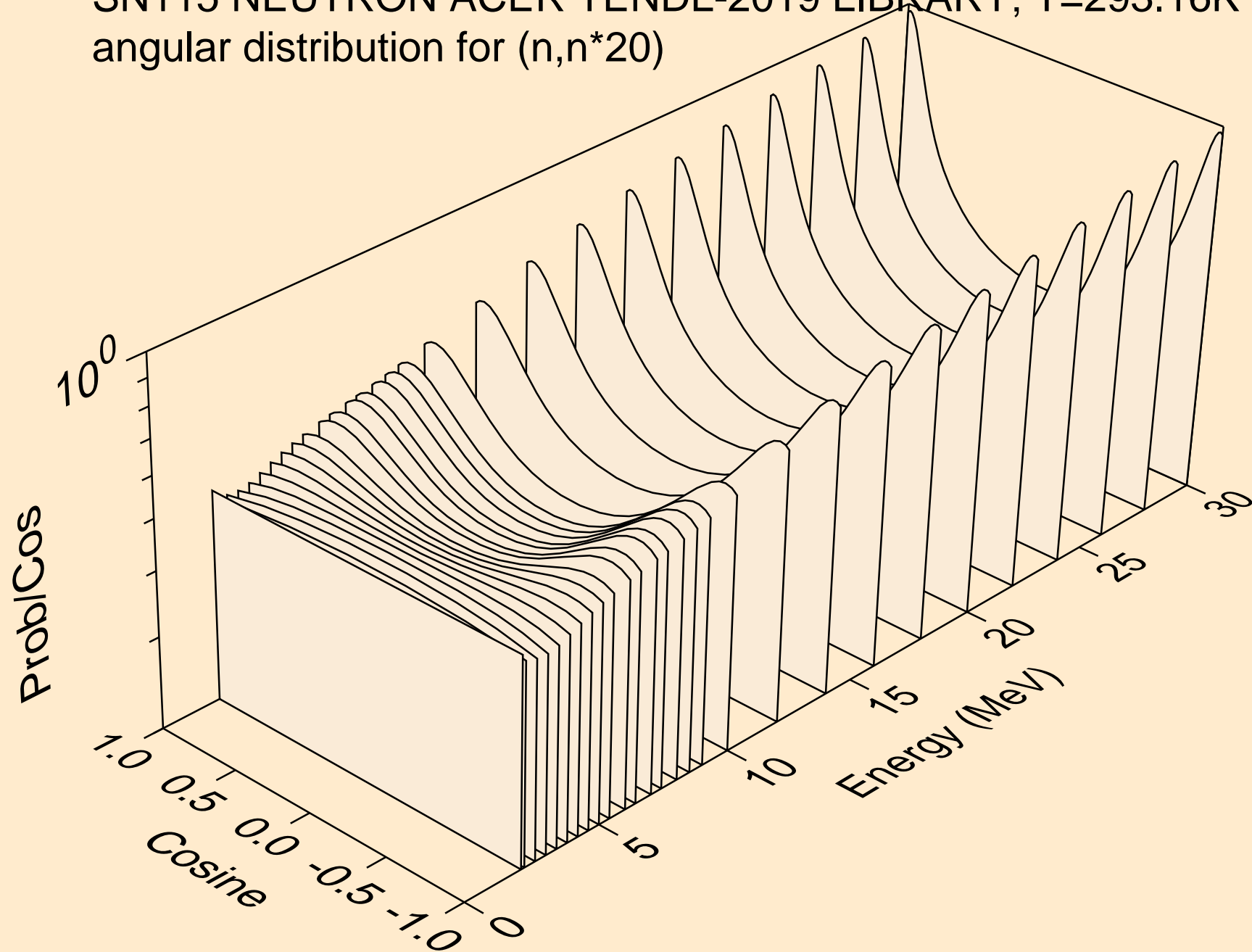
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angular distribution for (n,n\*18)



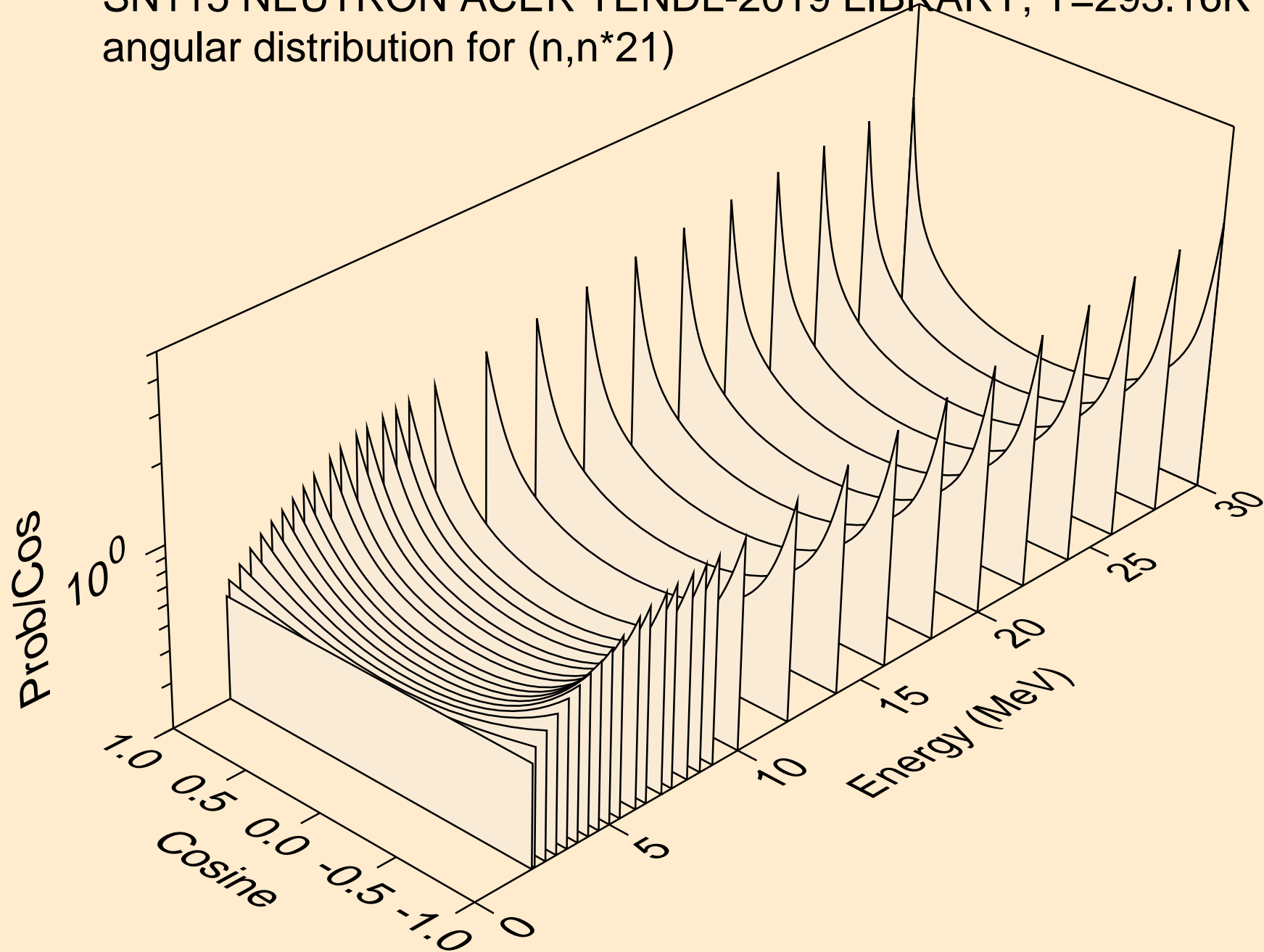
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

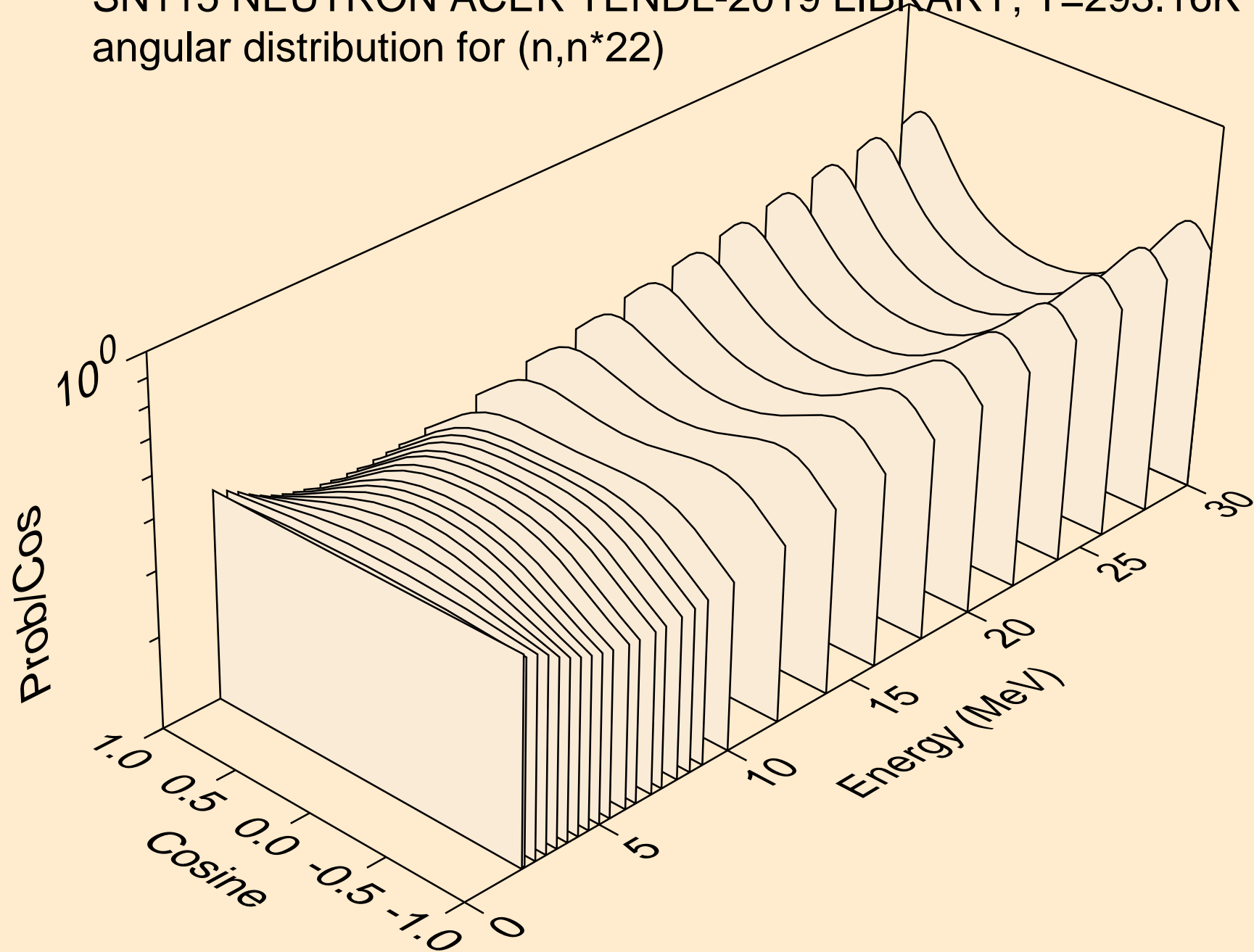


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

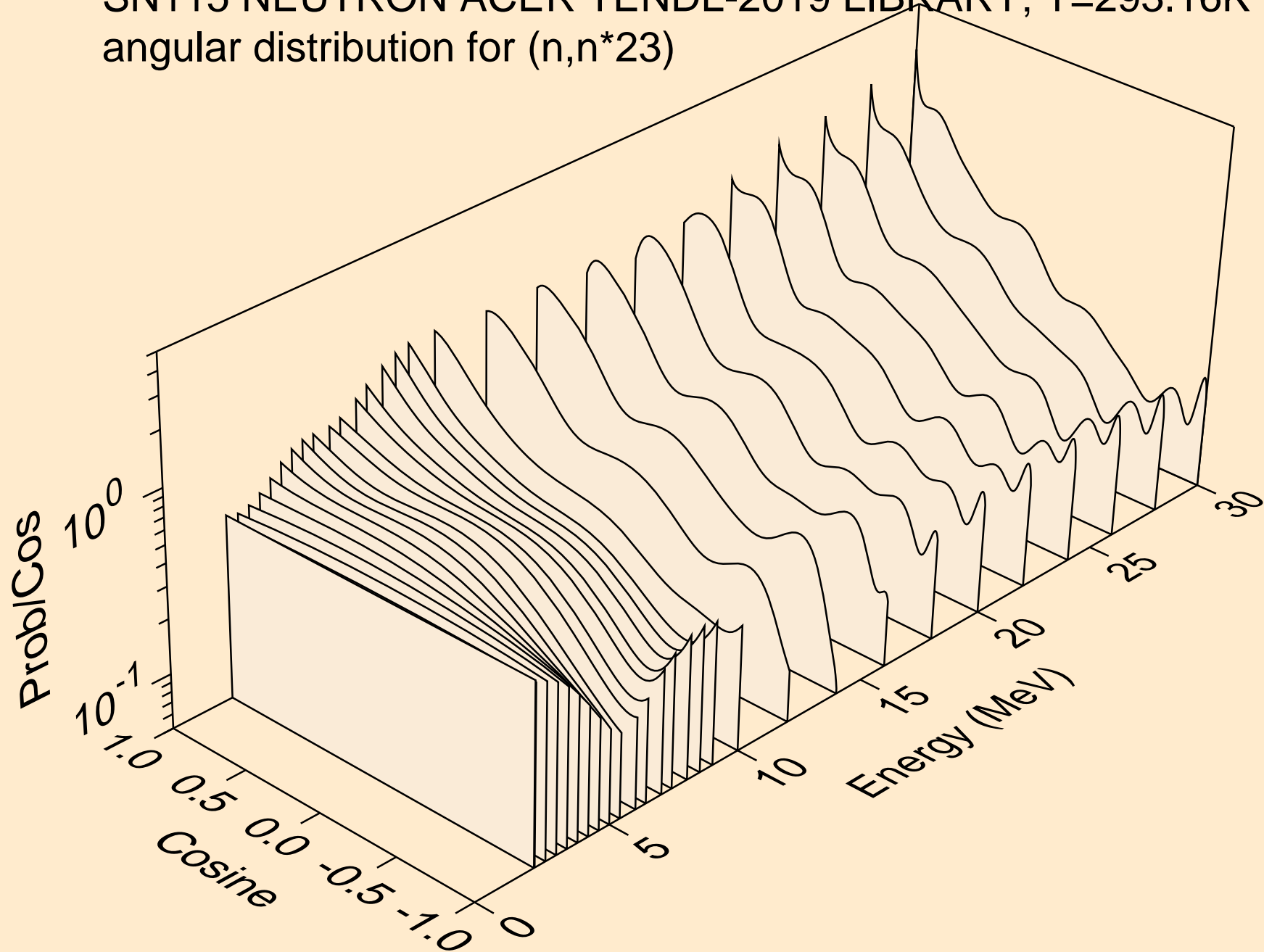




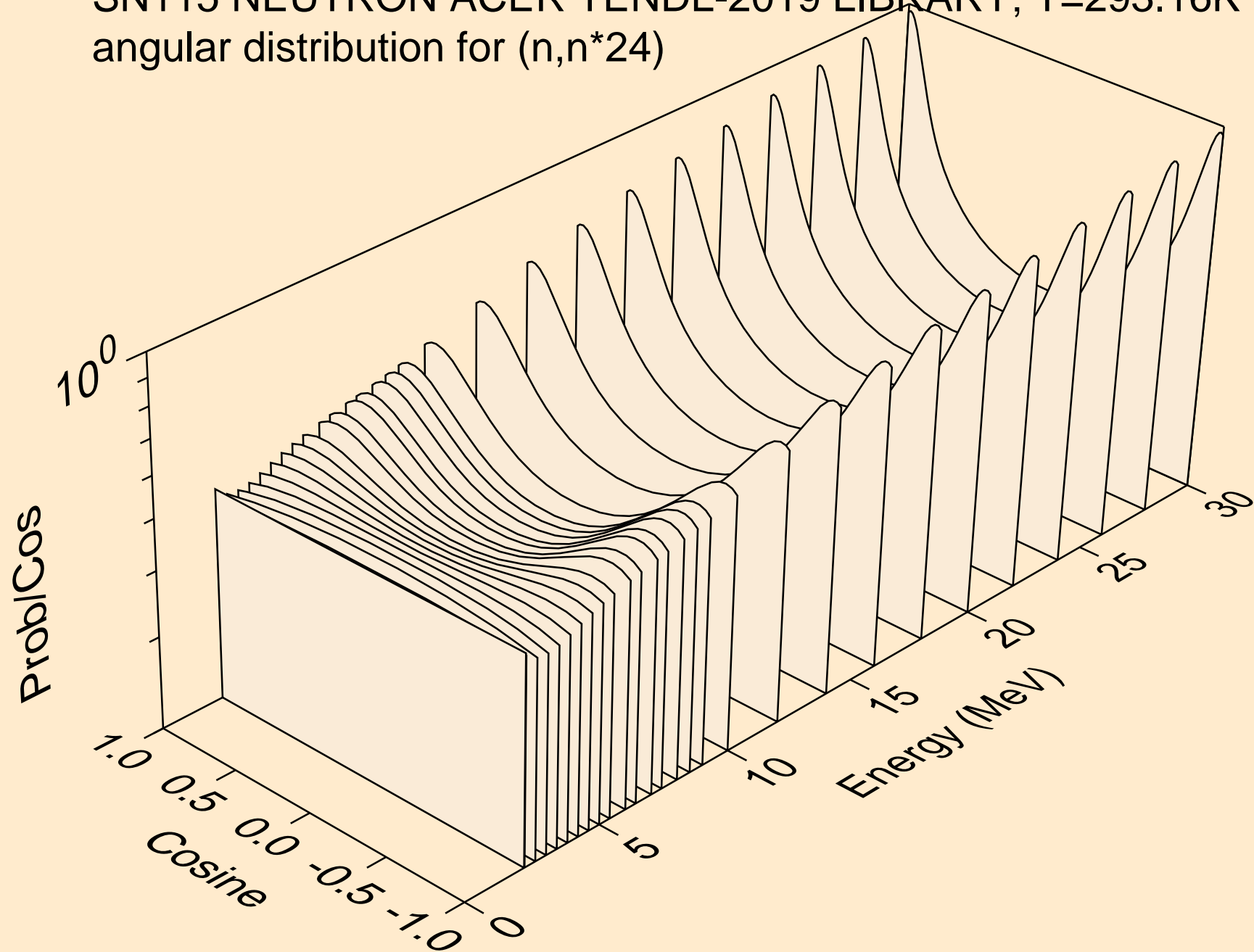
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angular distribution for (n,n\*22)



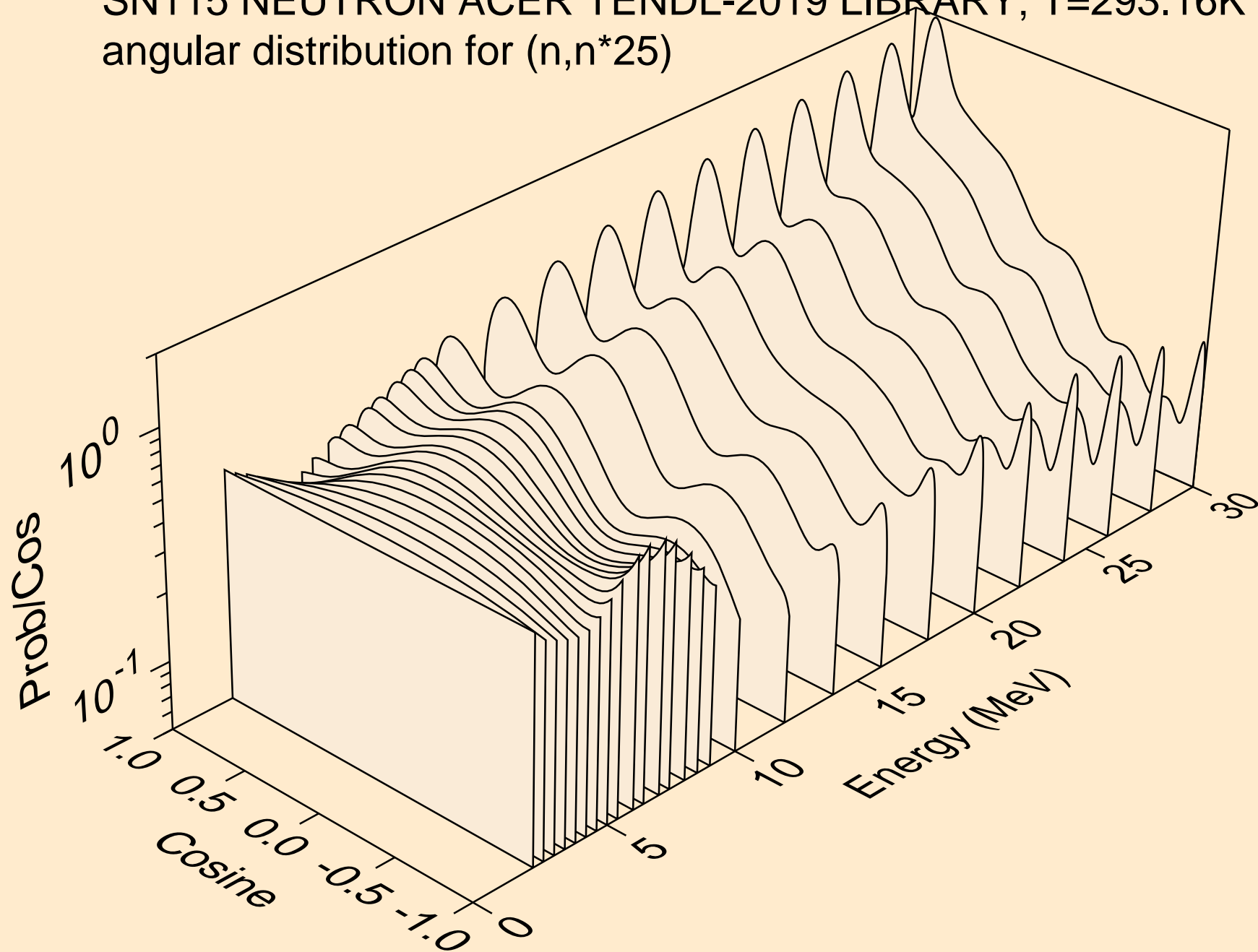
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angular distribution for (n,n\*23)



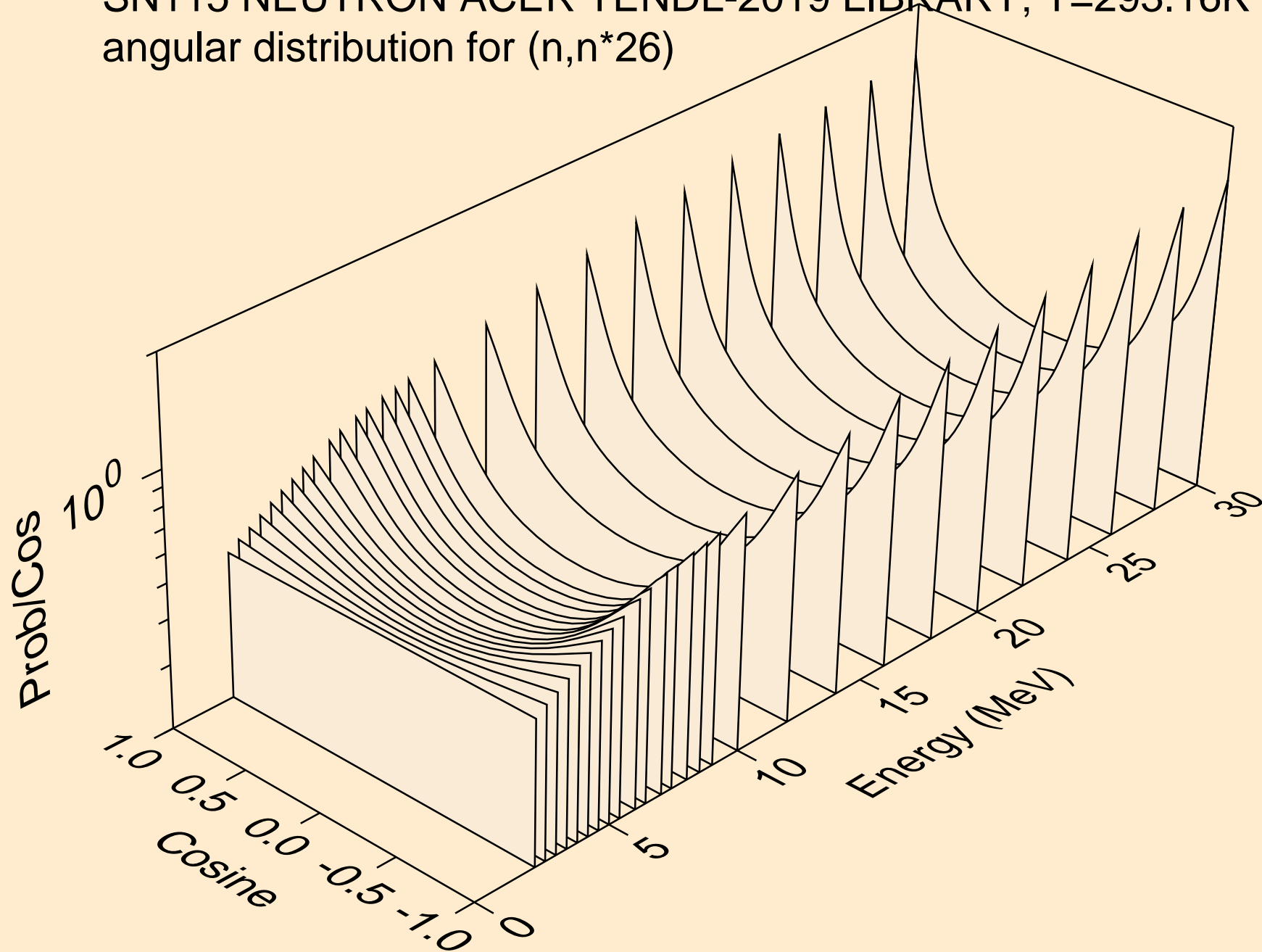
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angular distribution for (n,n\*24)



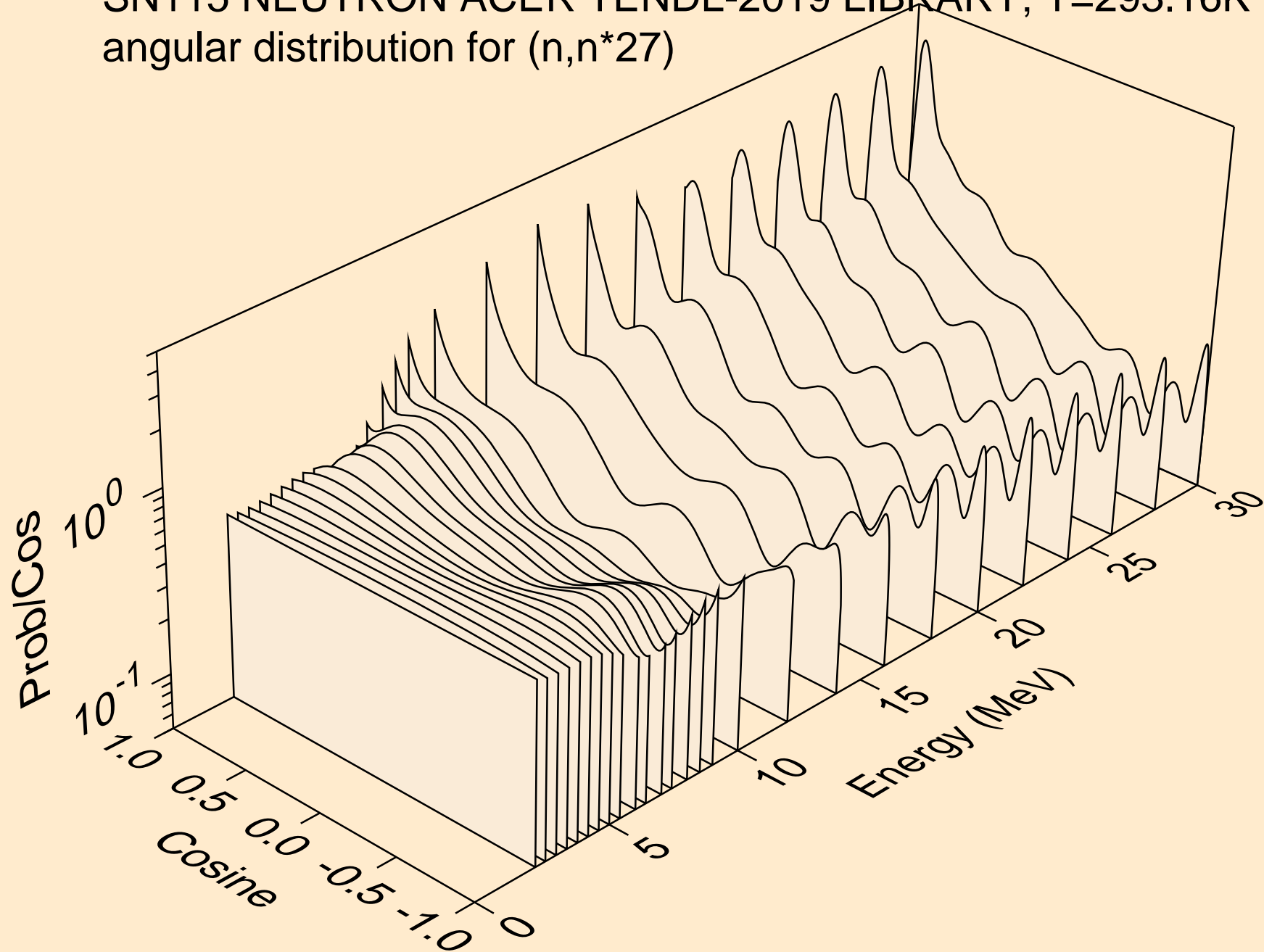
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



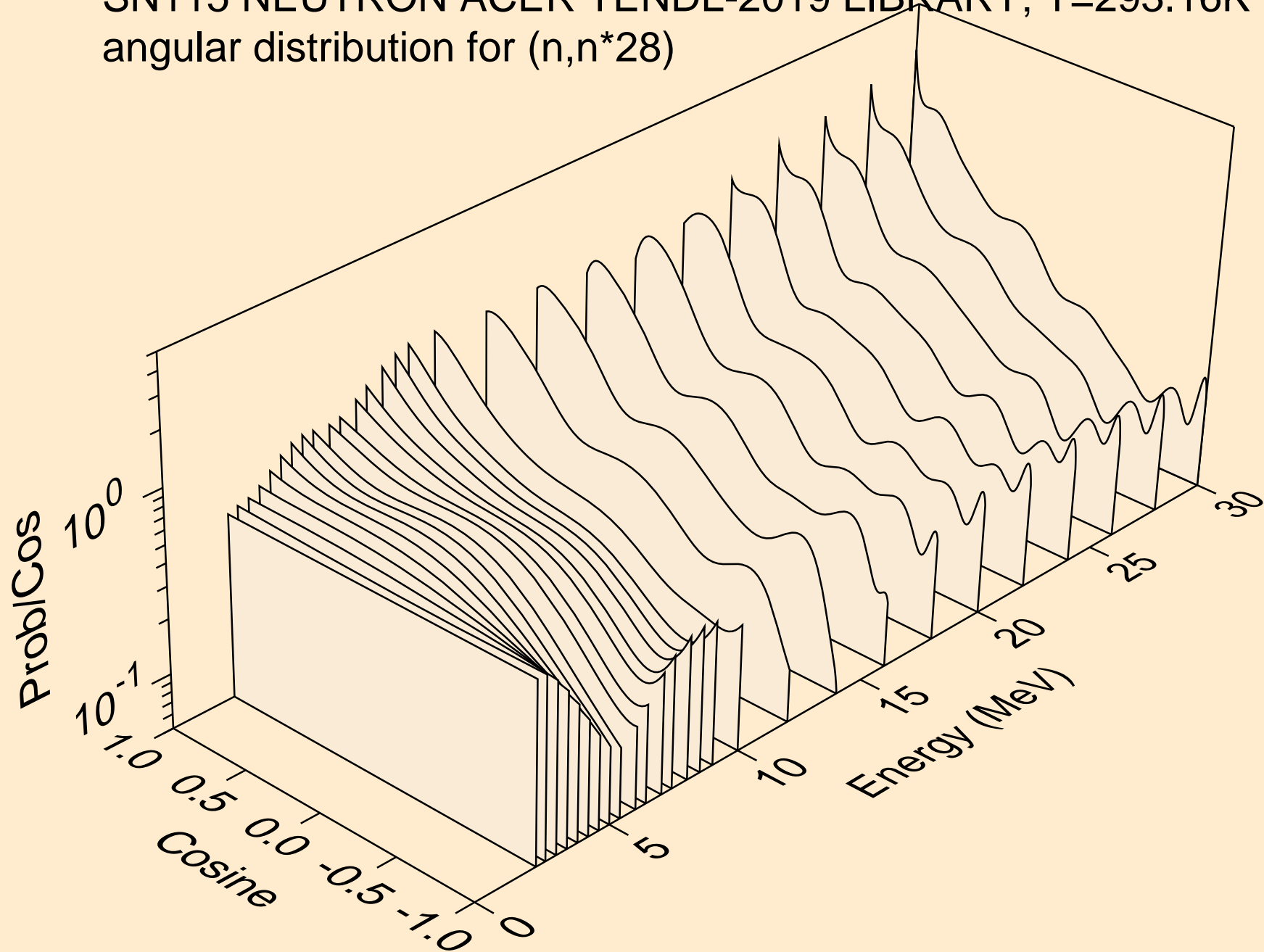
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angular distribution for (n,n\*26)



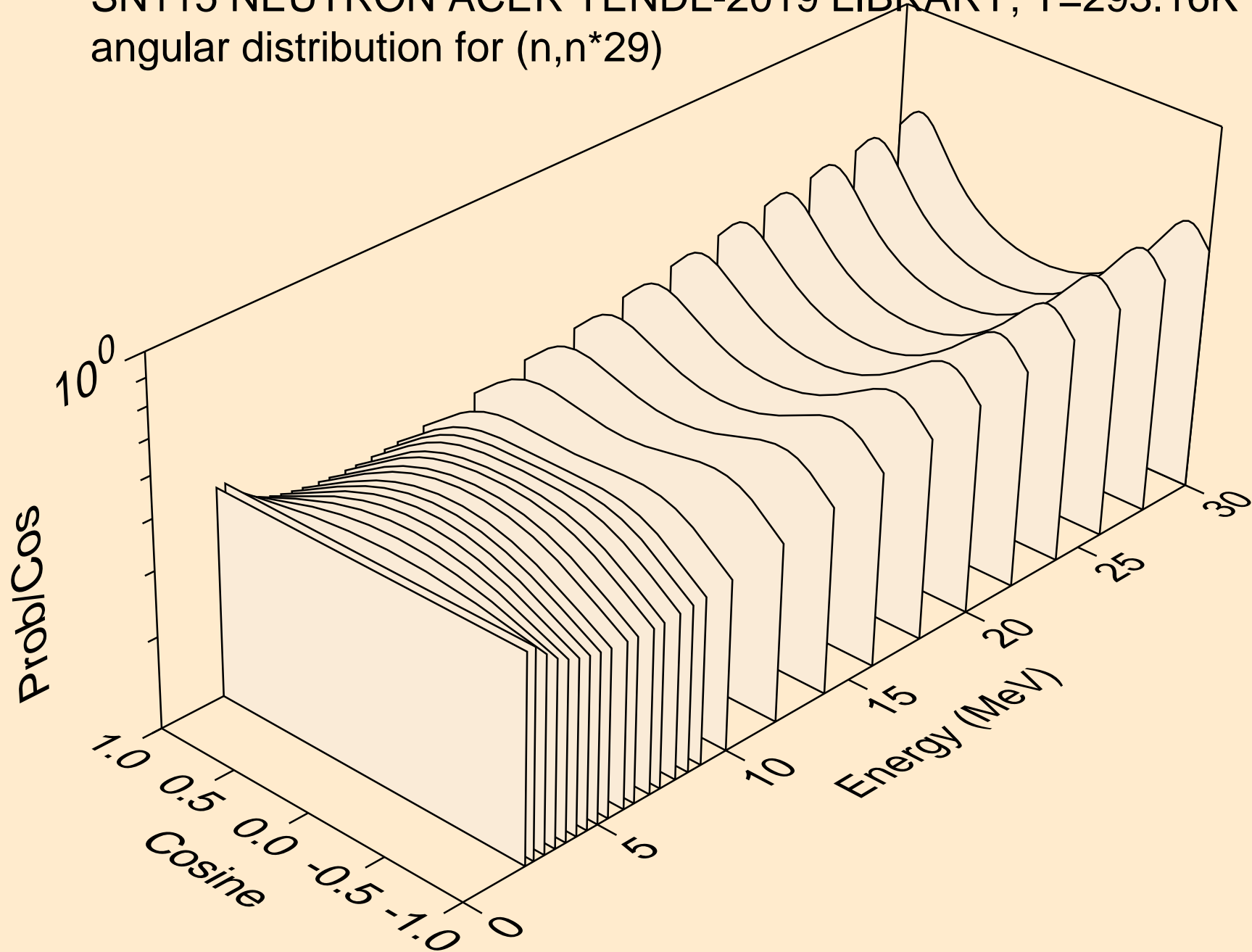
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

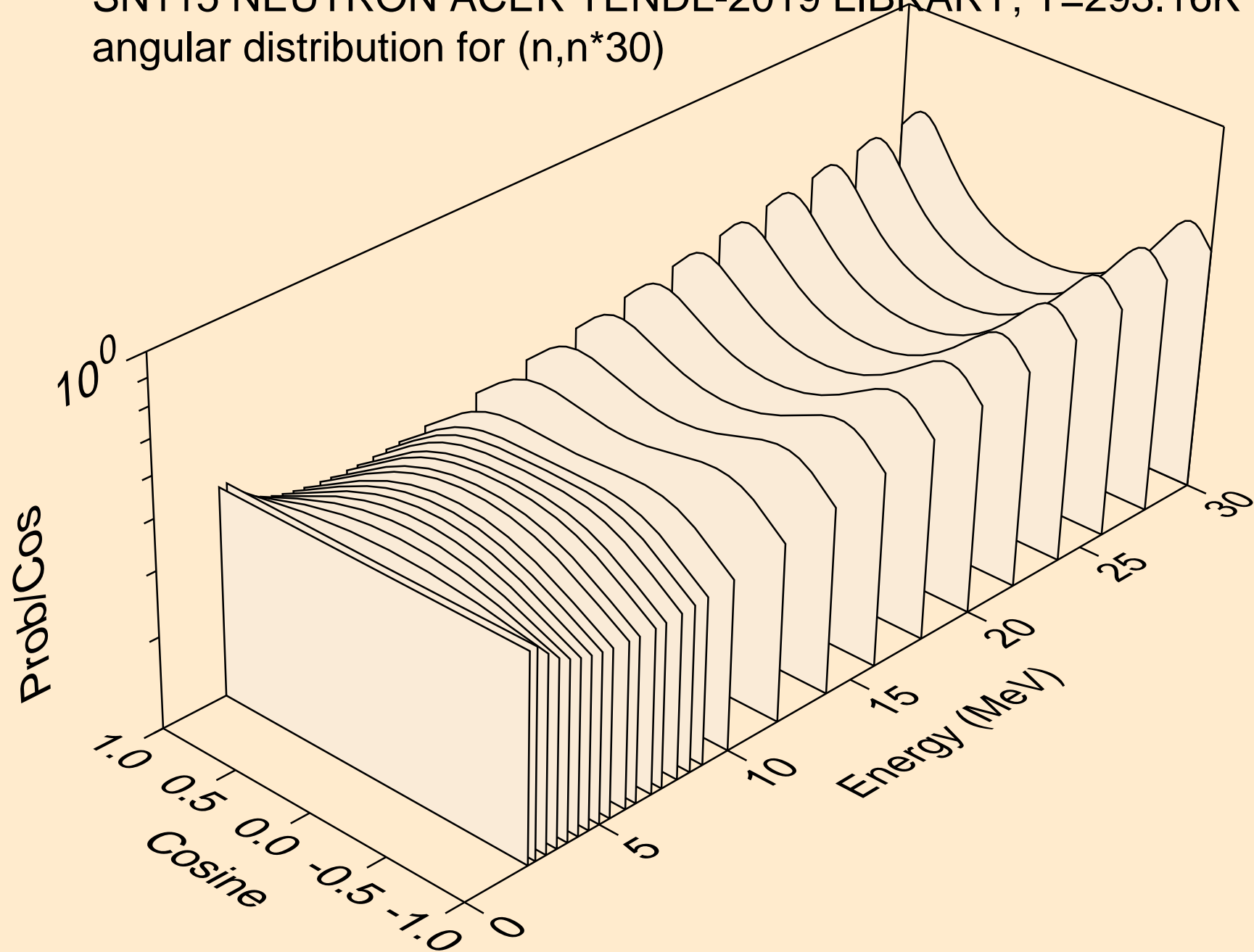


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)

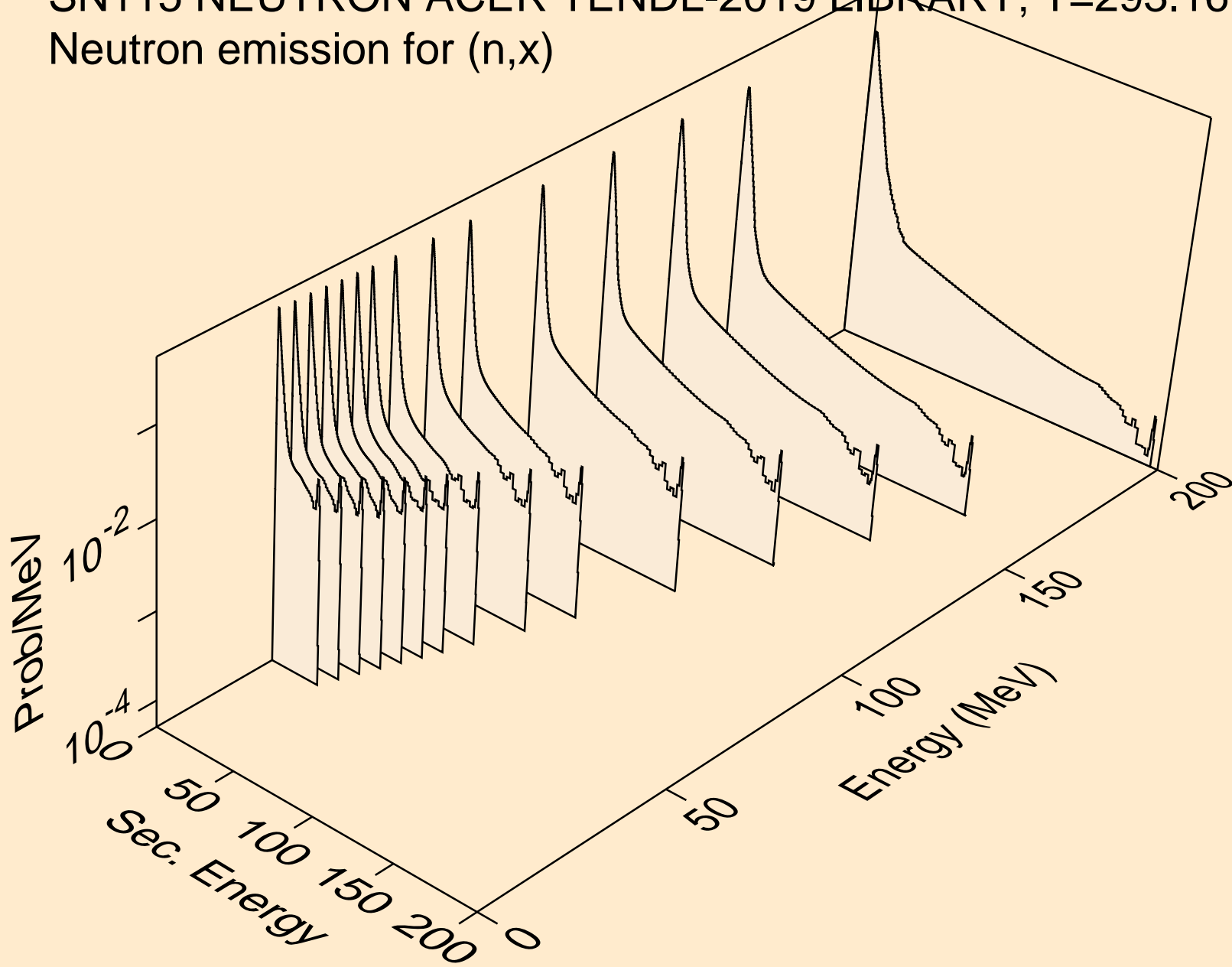




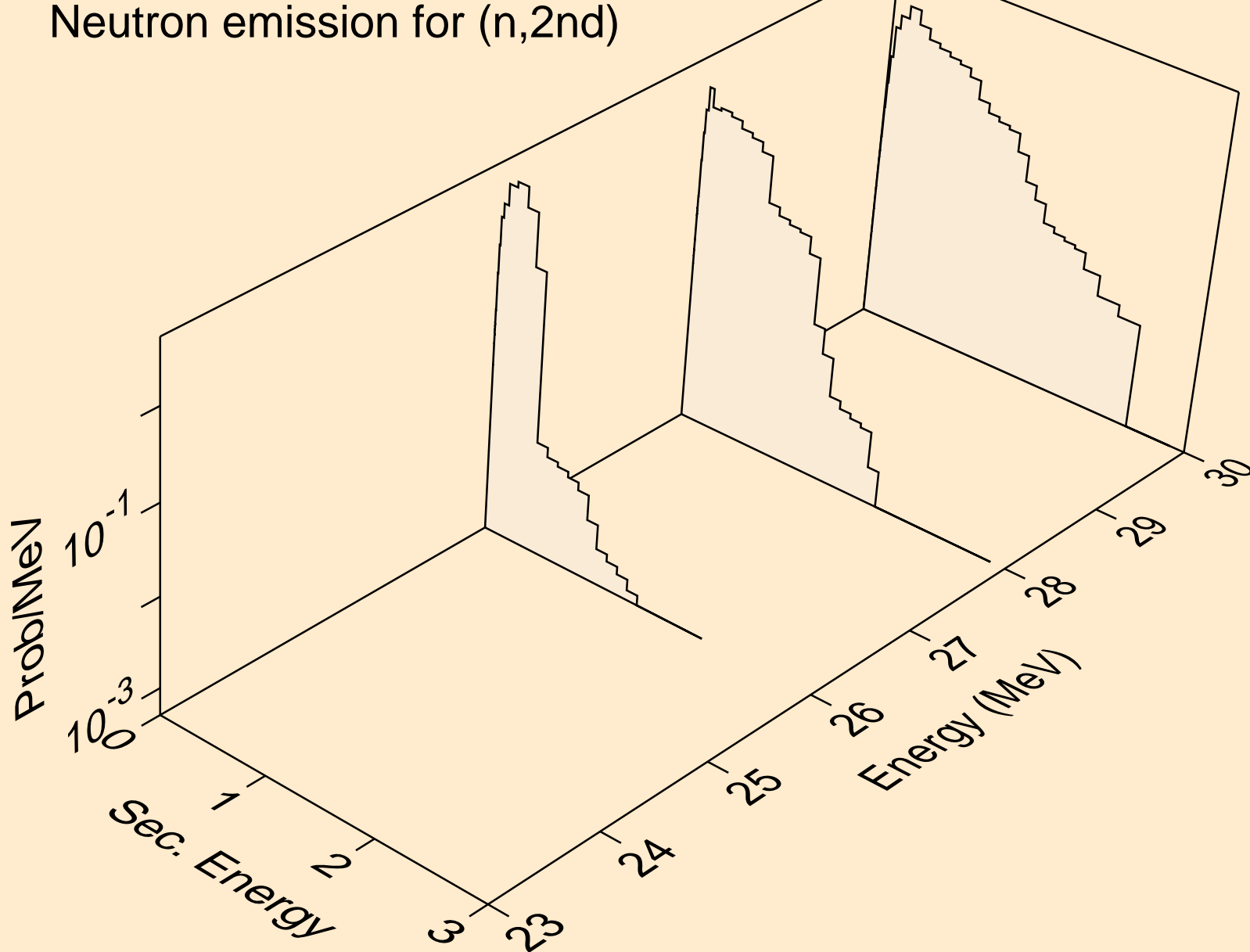
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angular distribution for (n,n\*30)



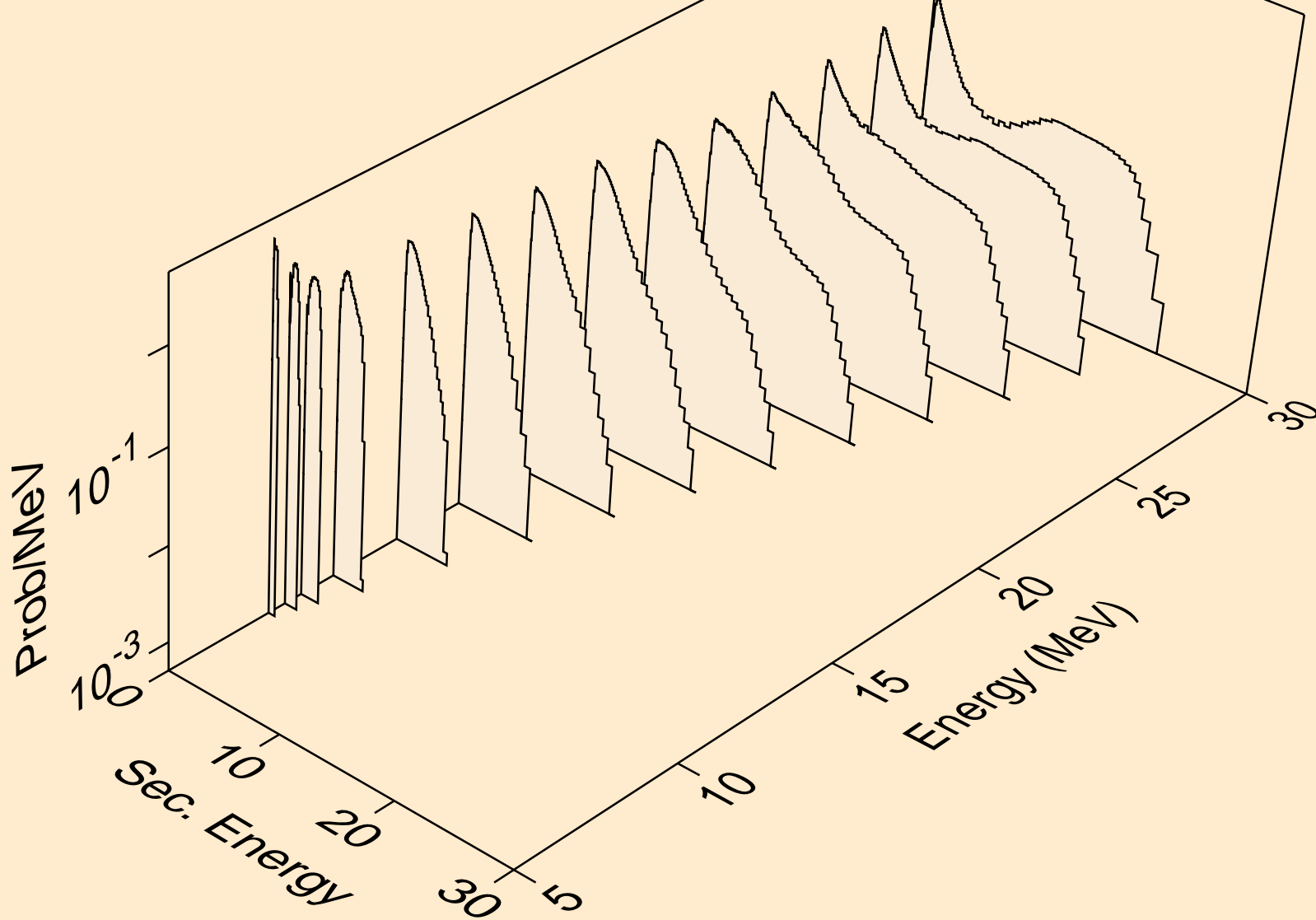
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



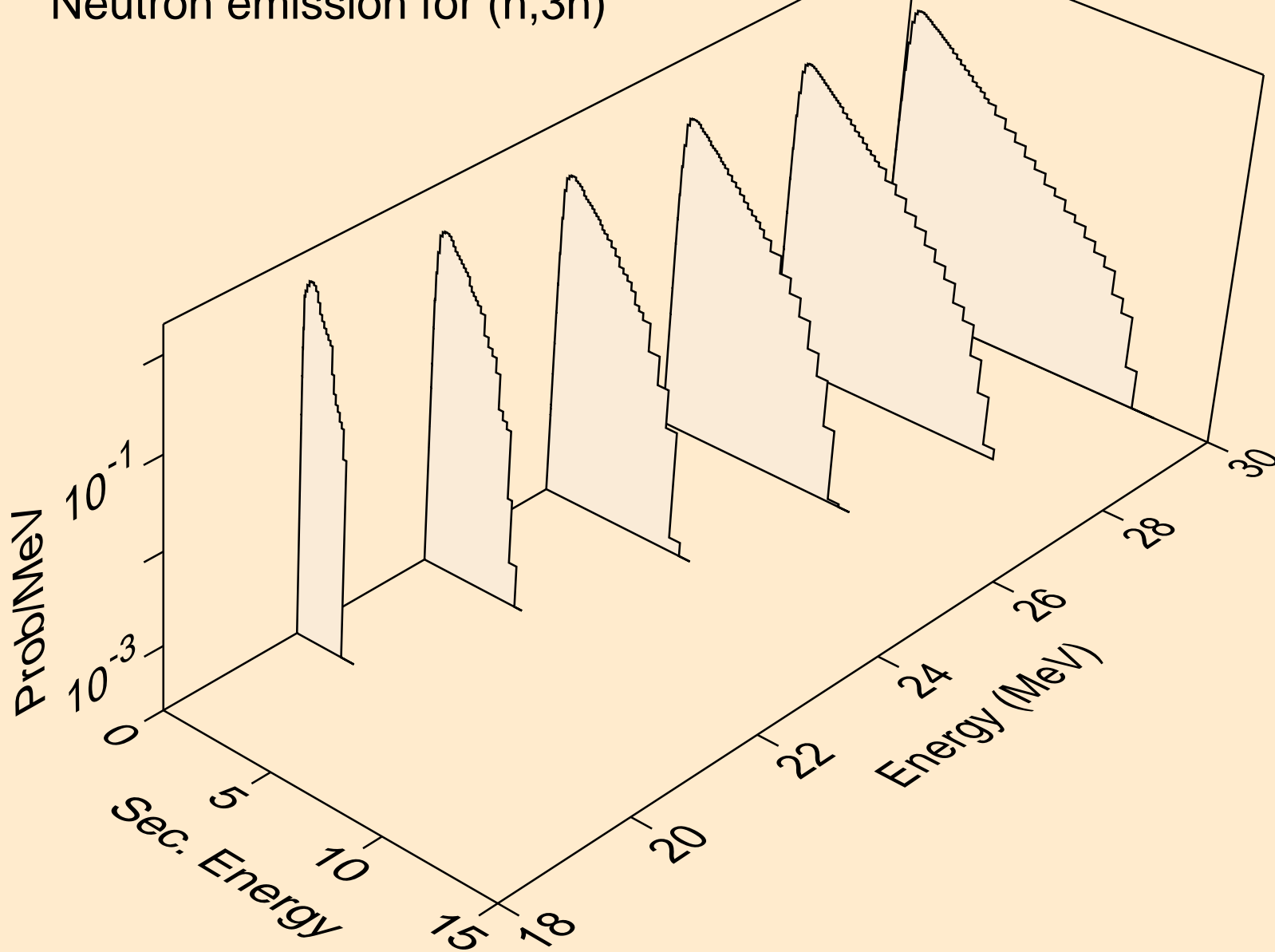
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



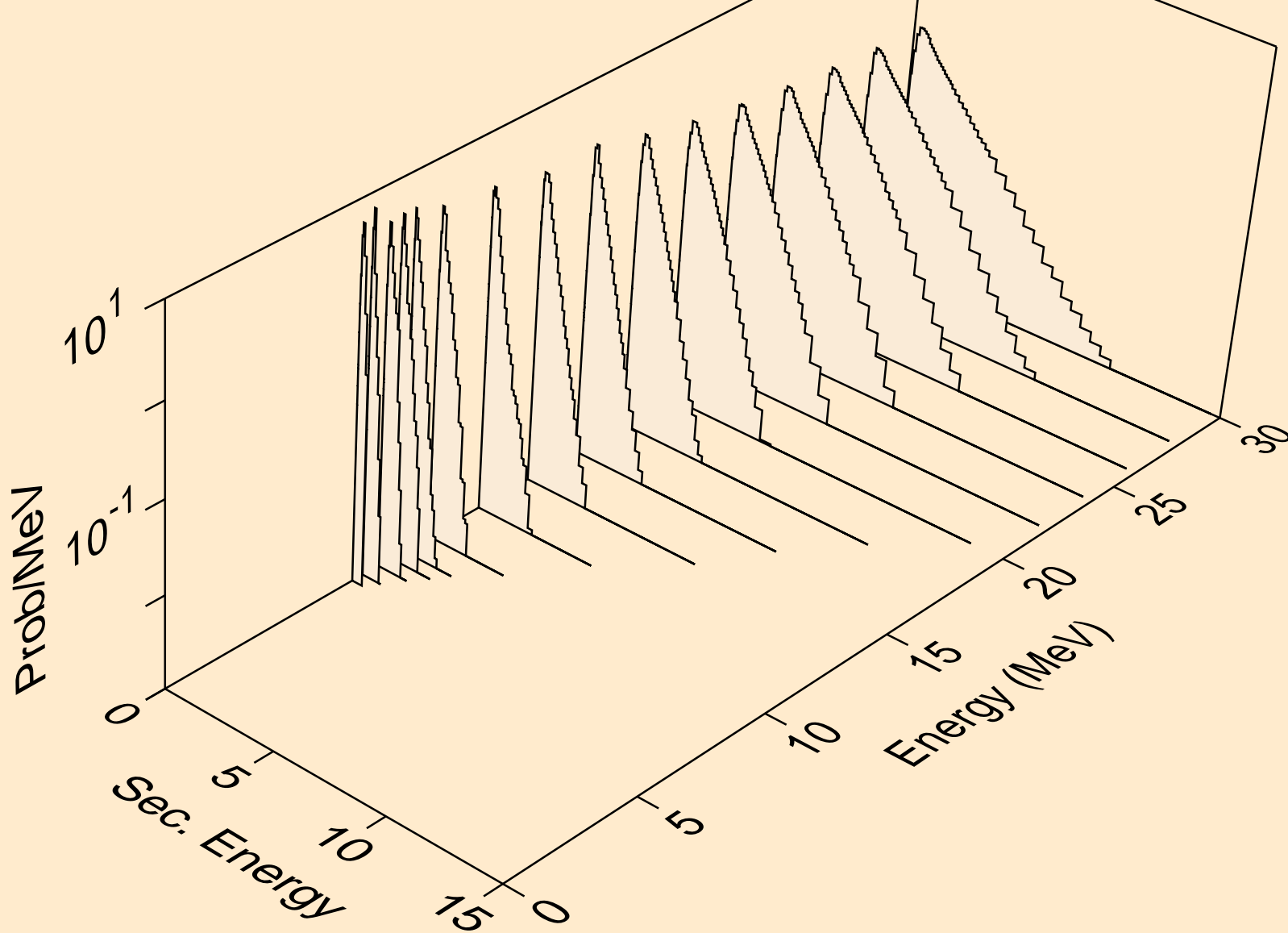
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



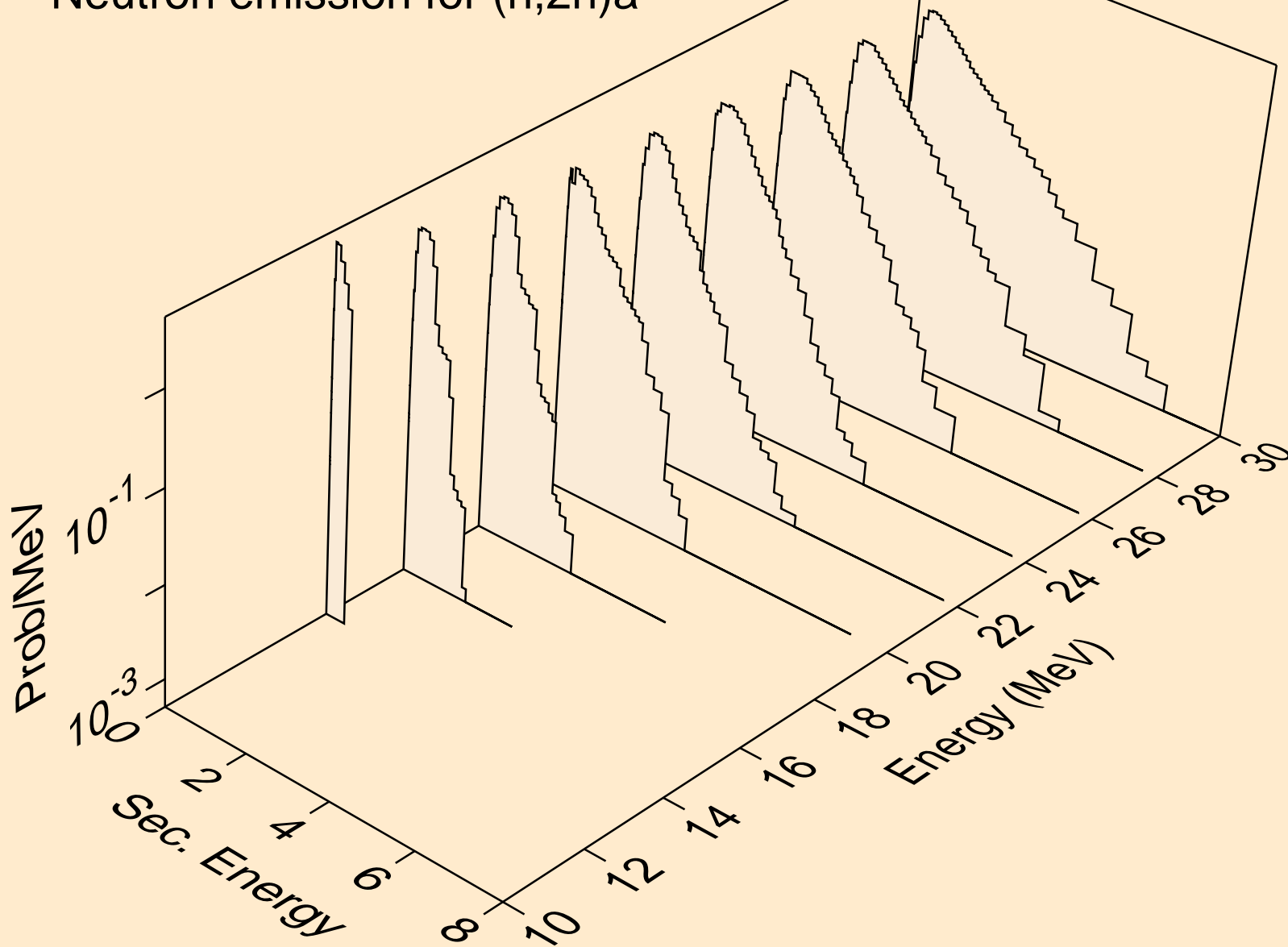
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



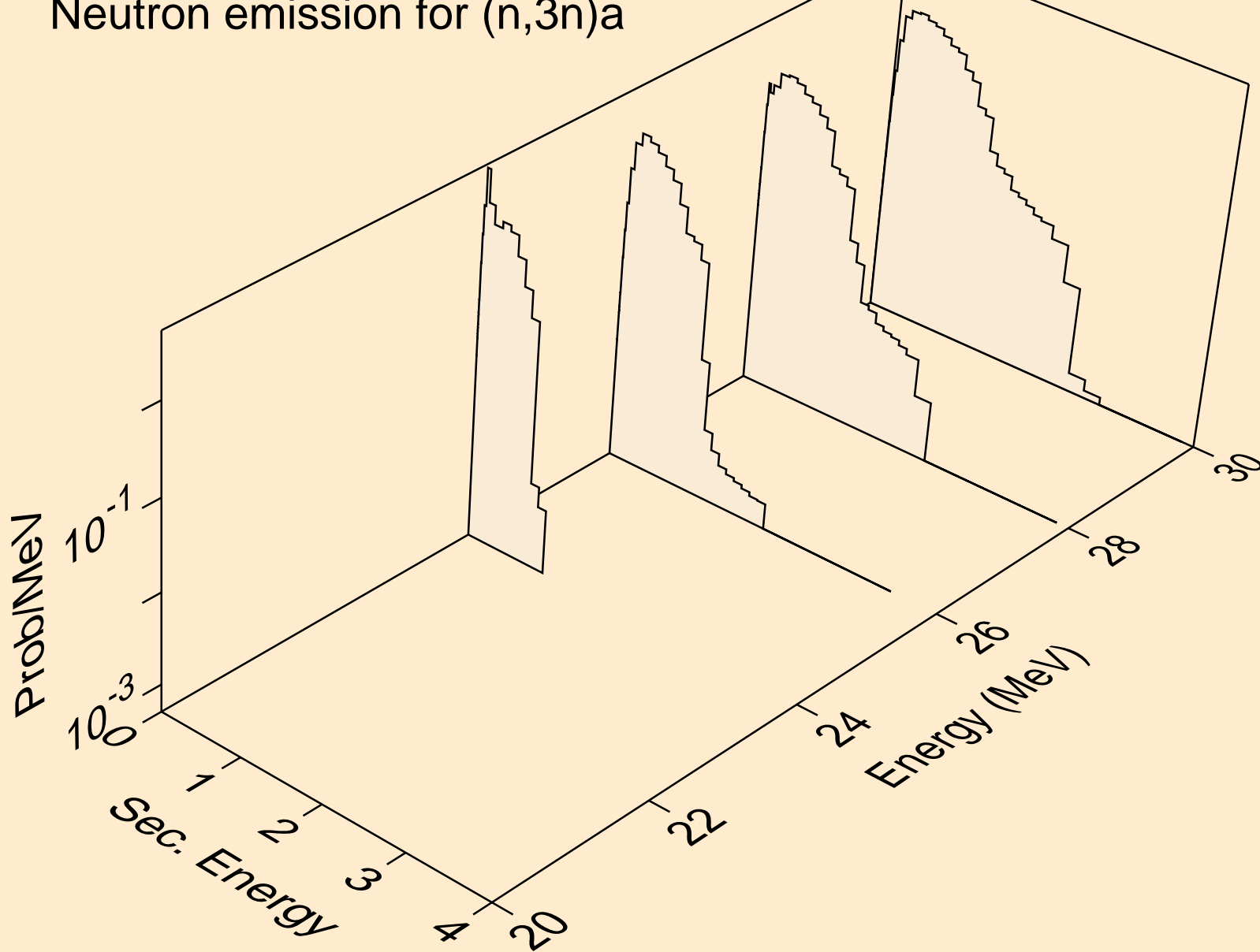
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

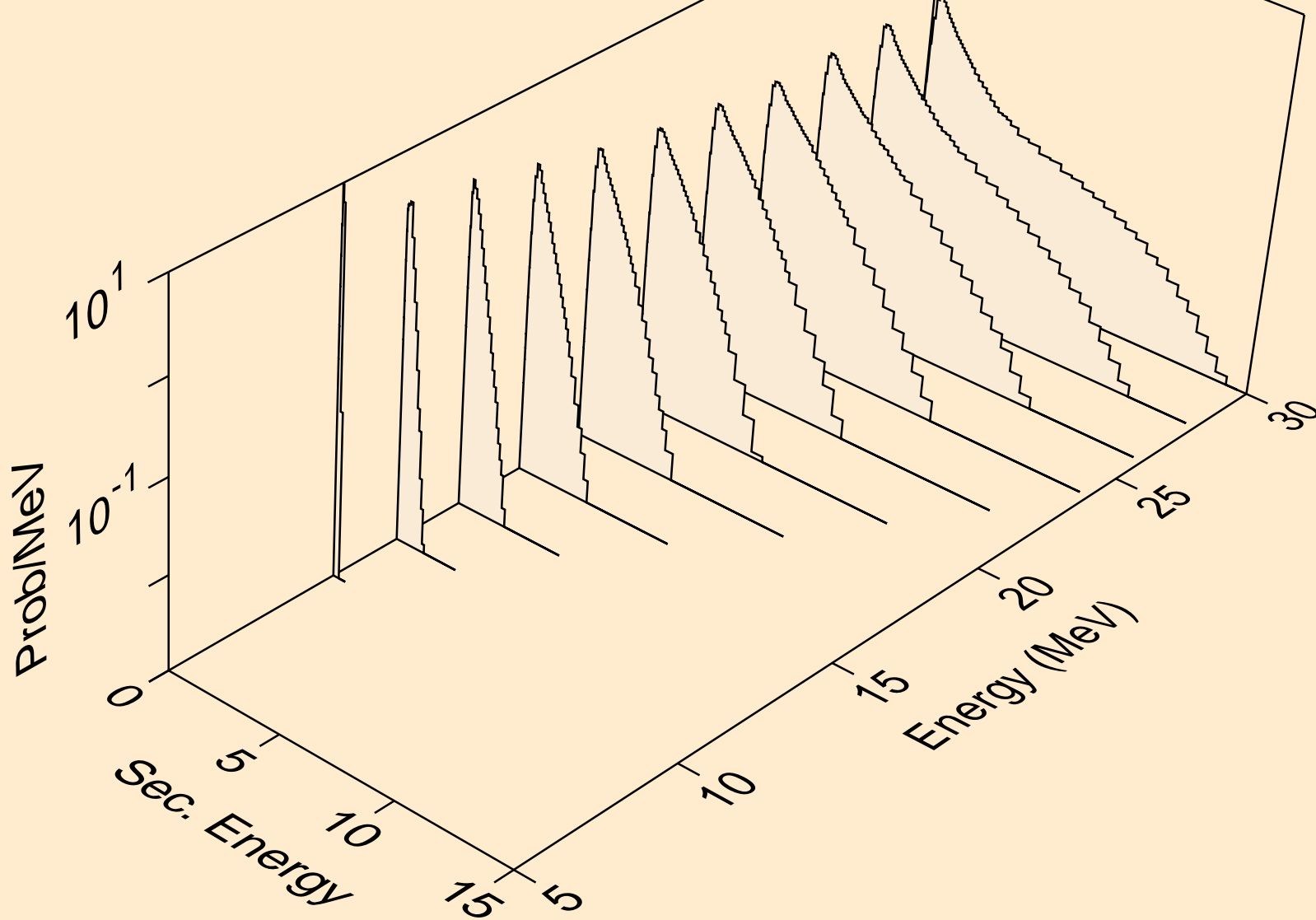


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a

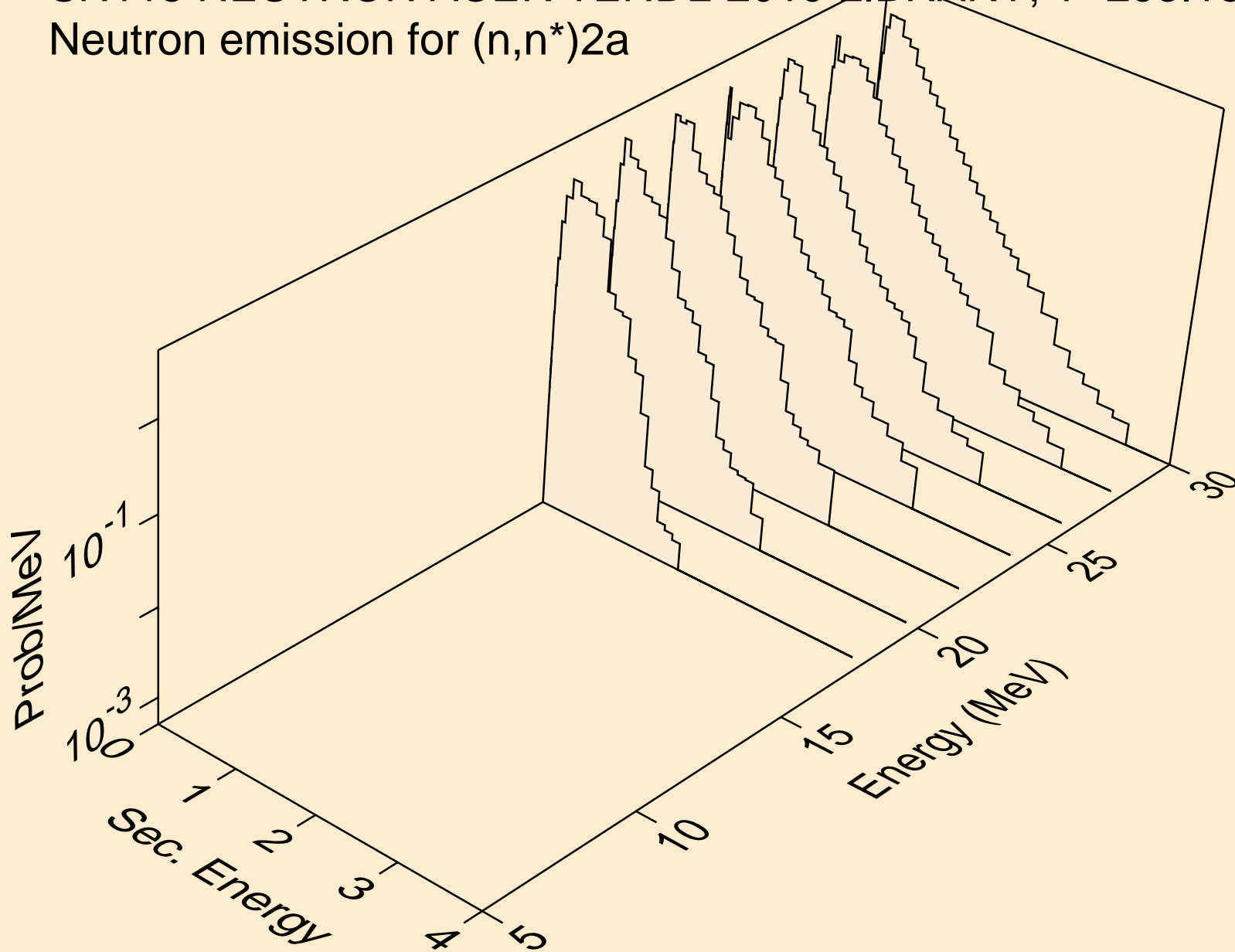




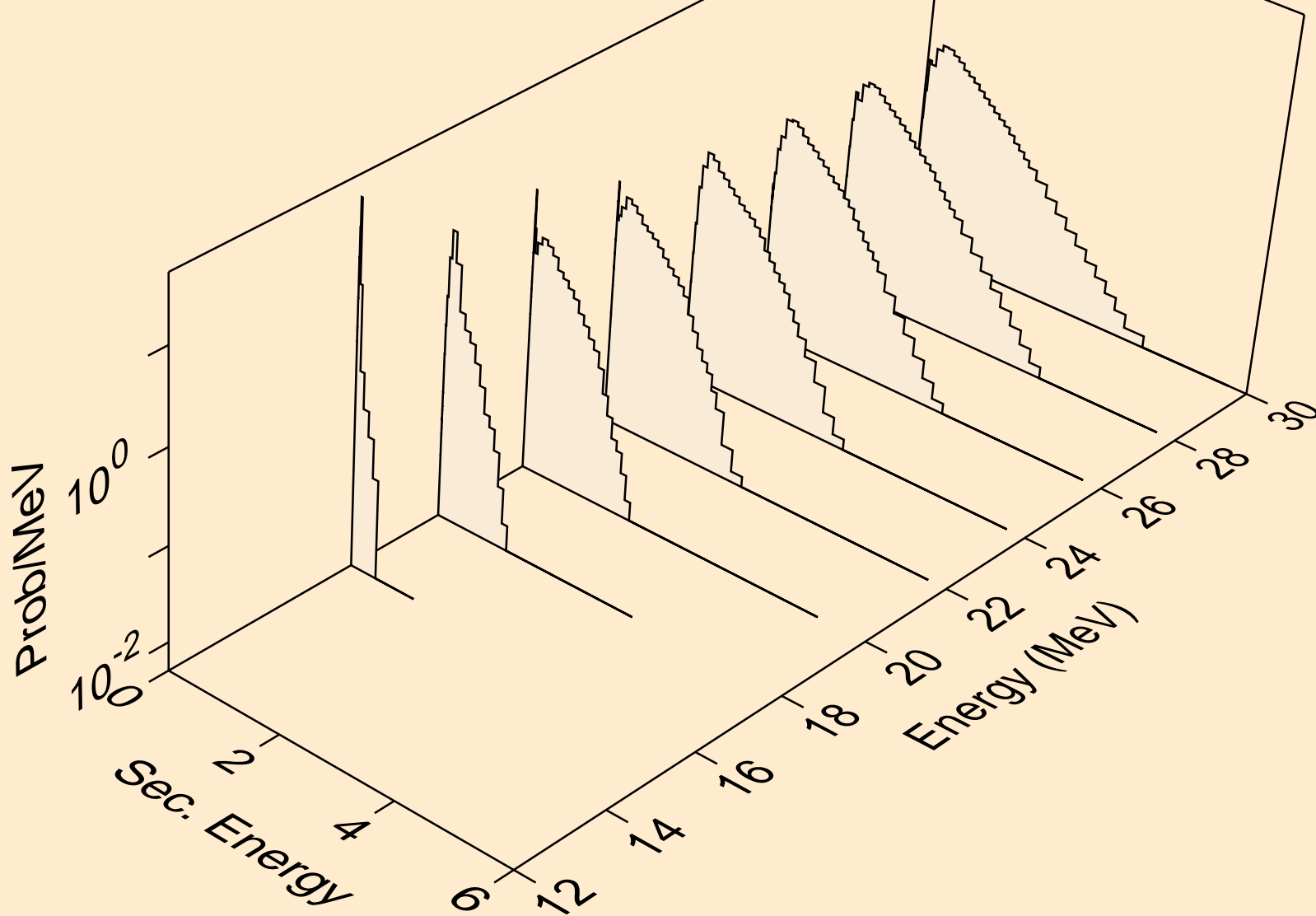
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



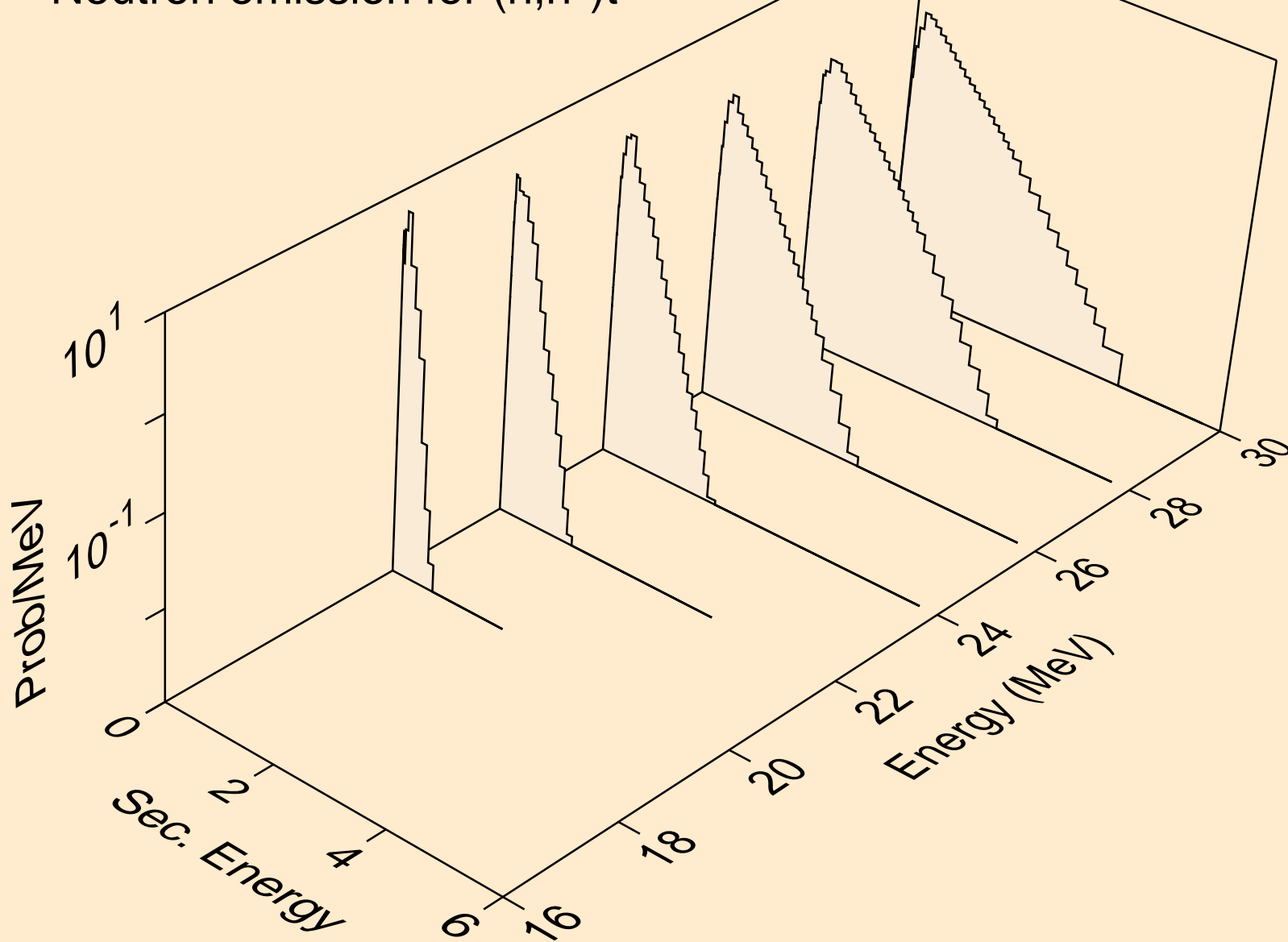
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



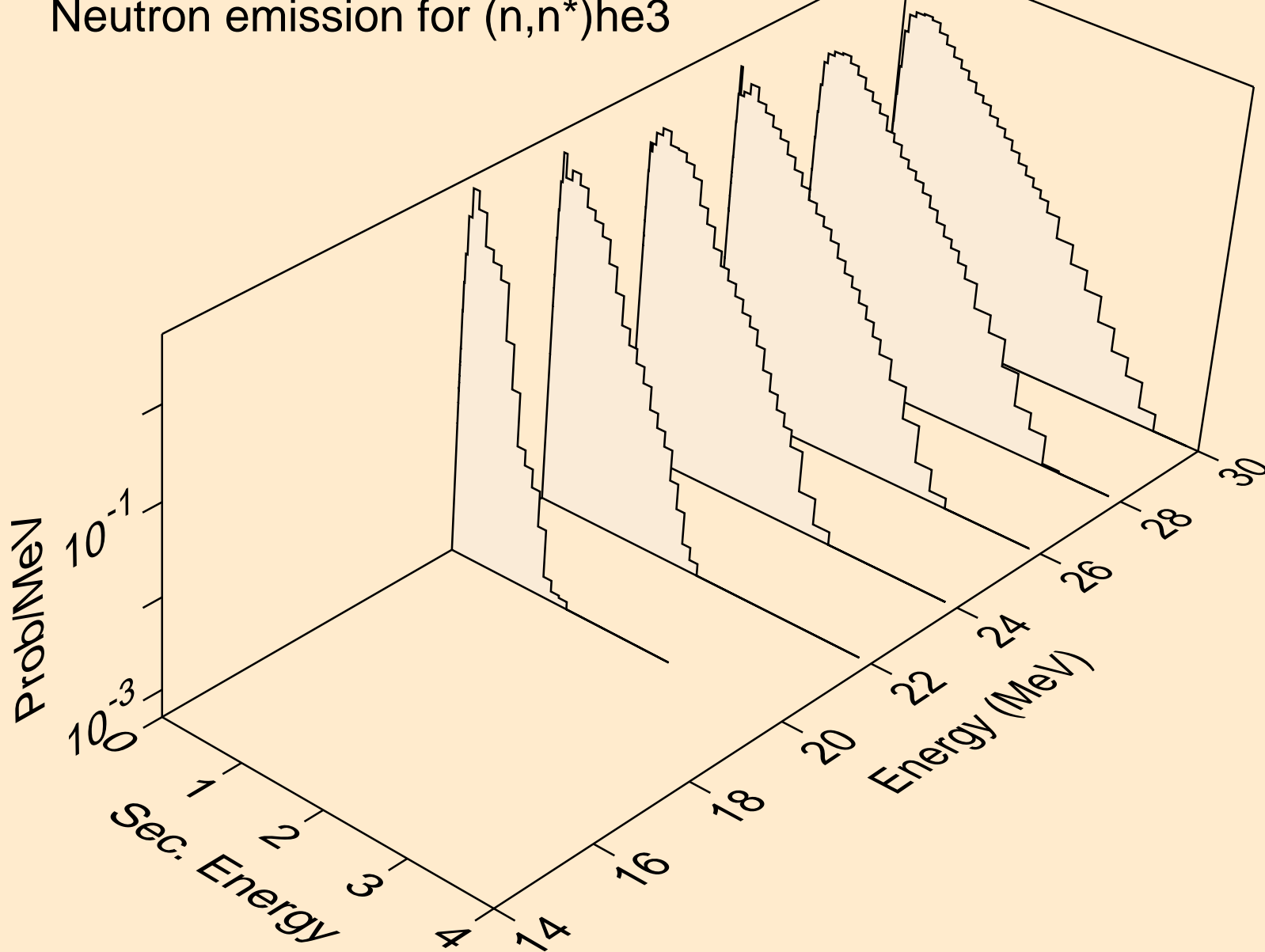
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



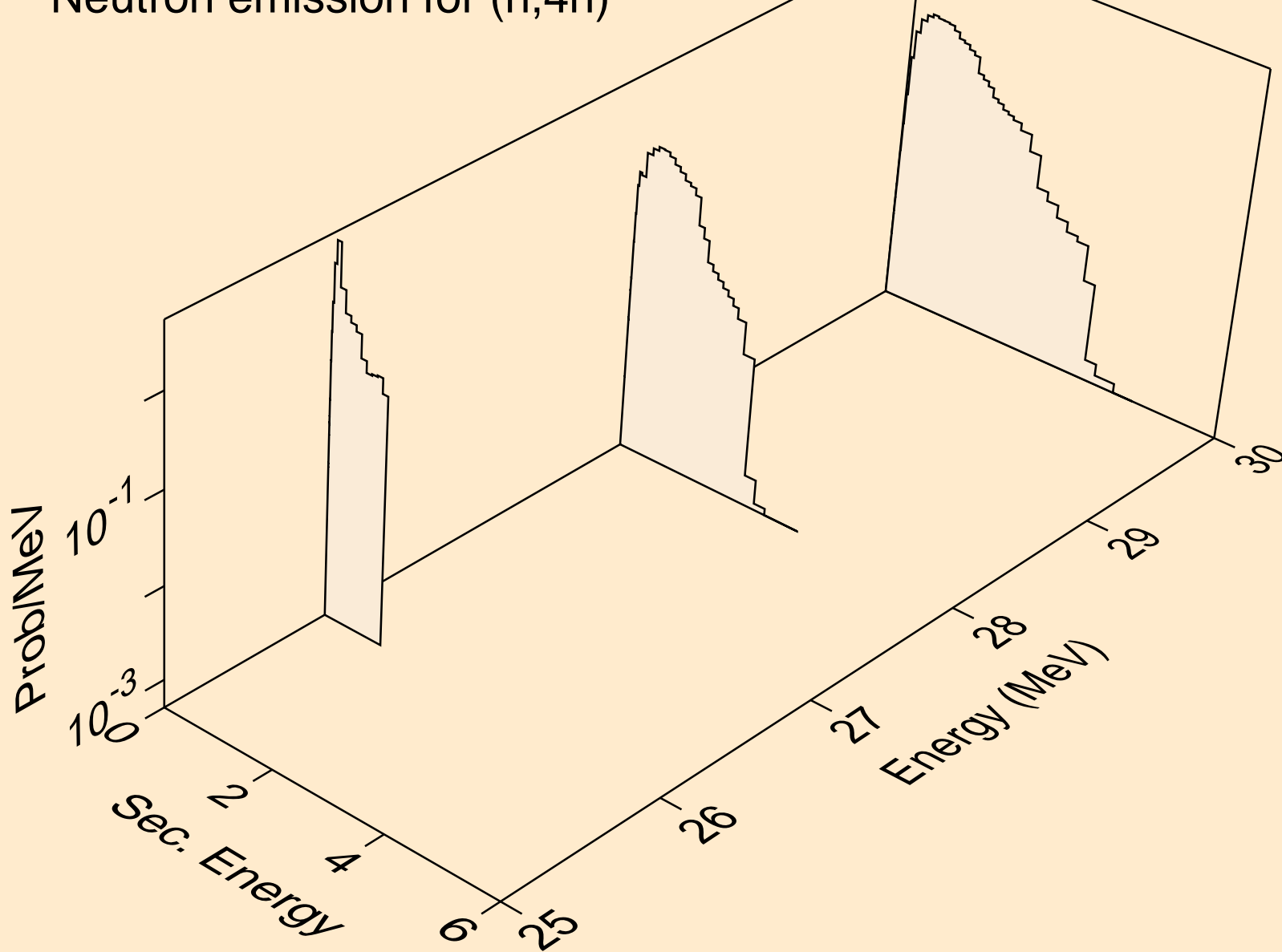
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



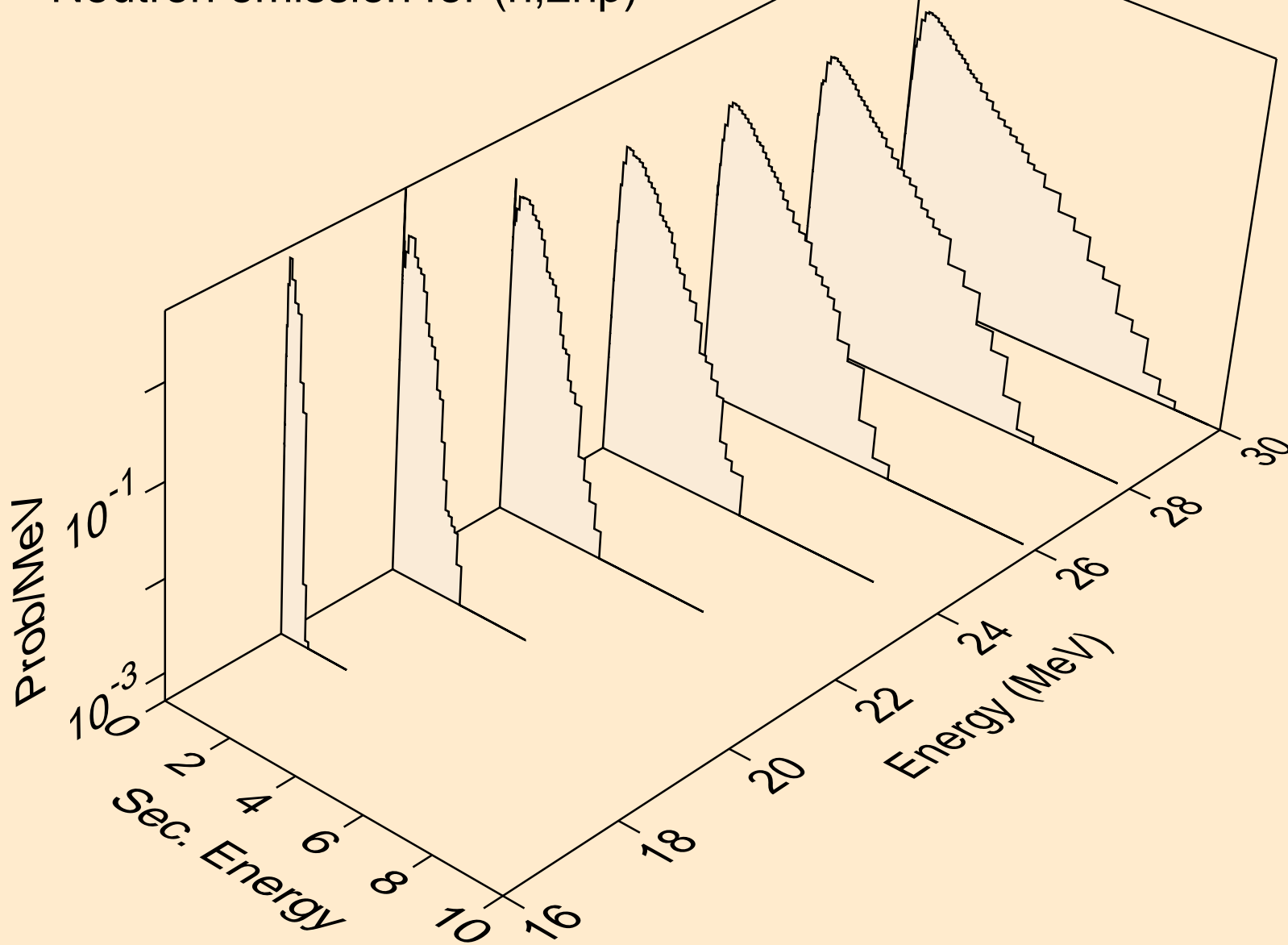
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



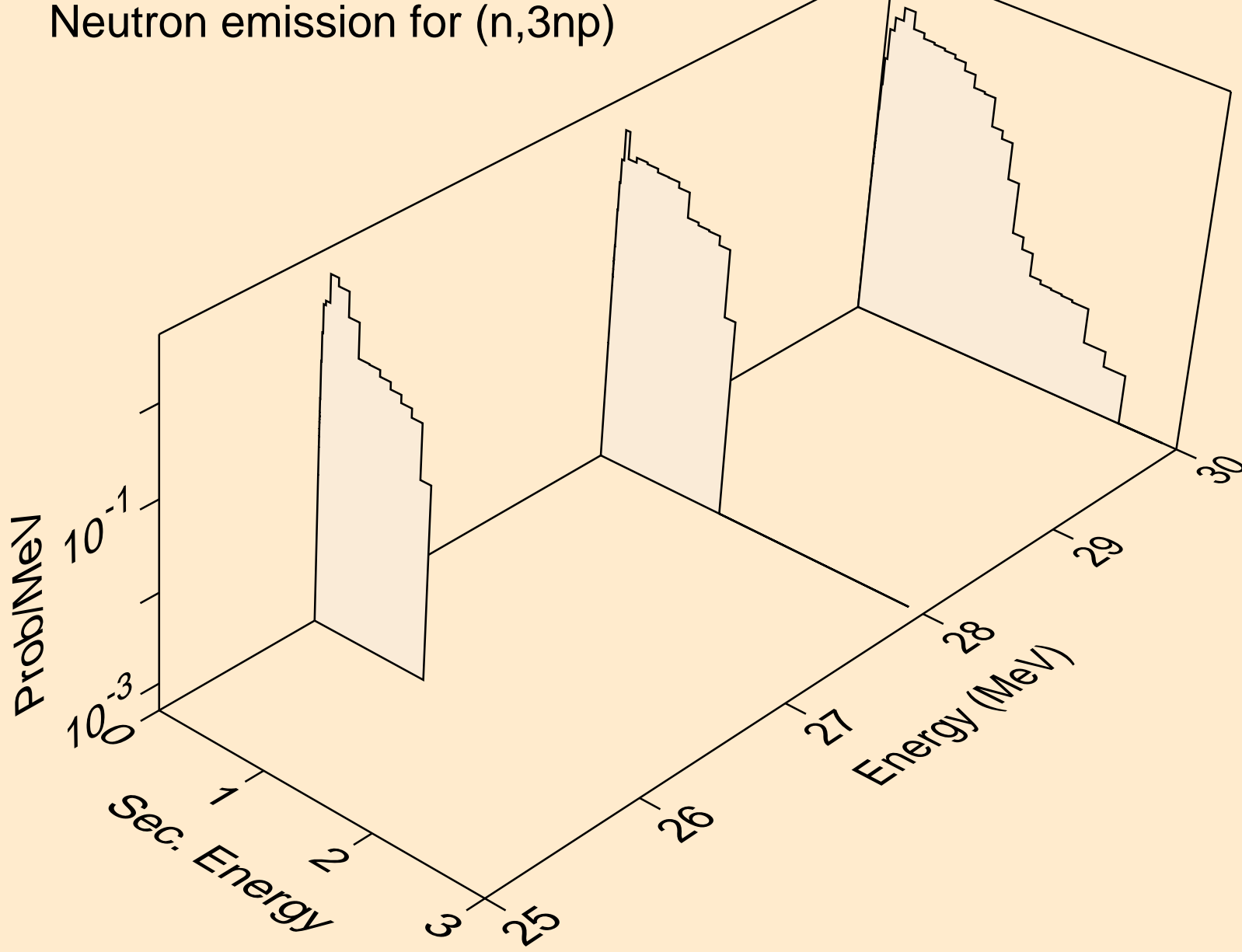
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

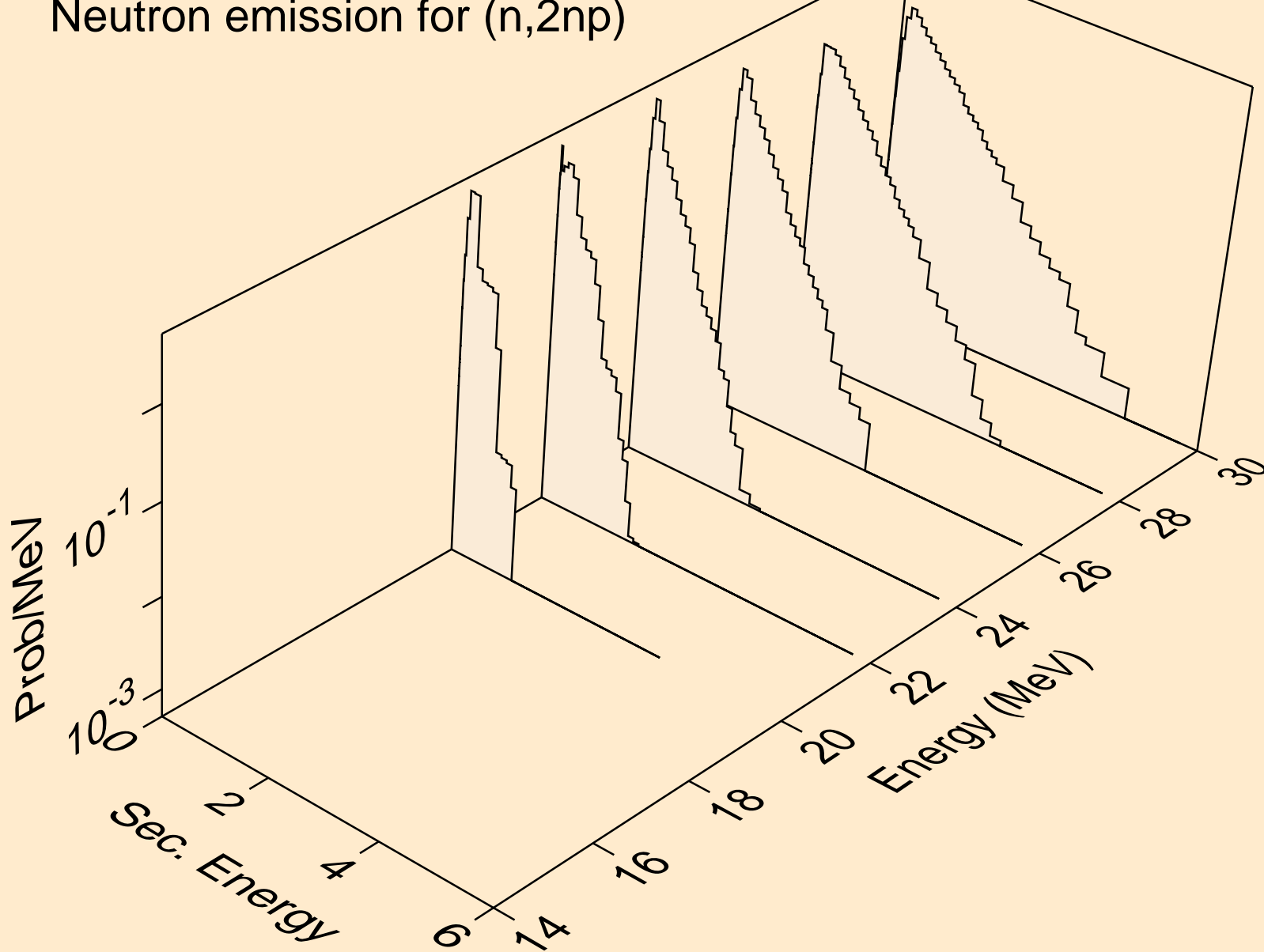


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

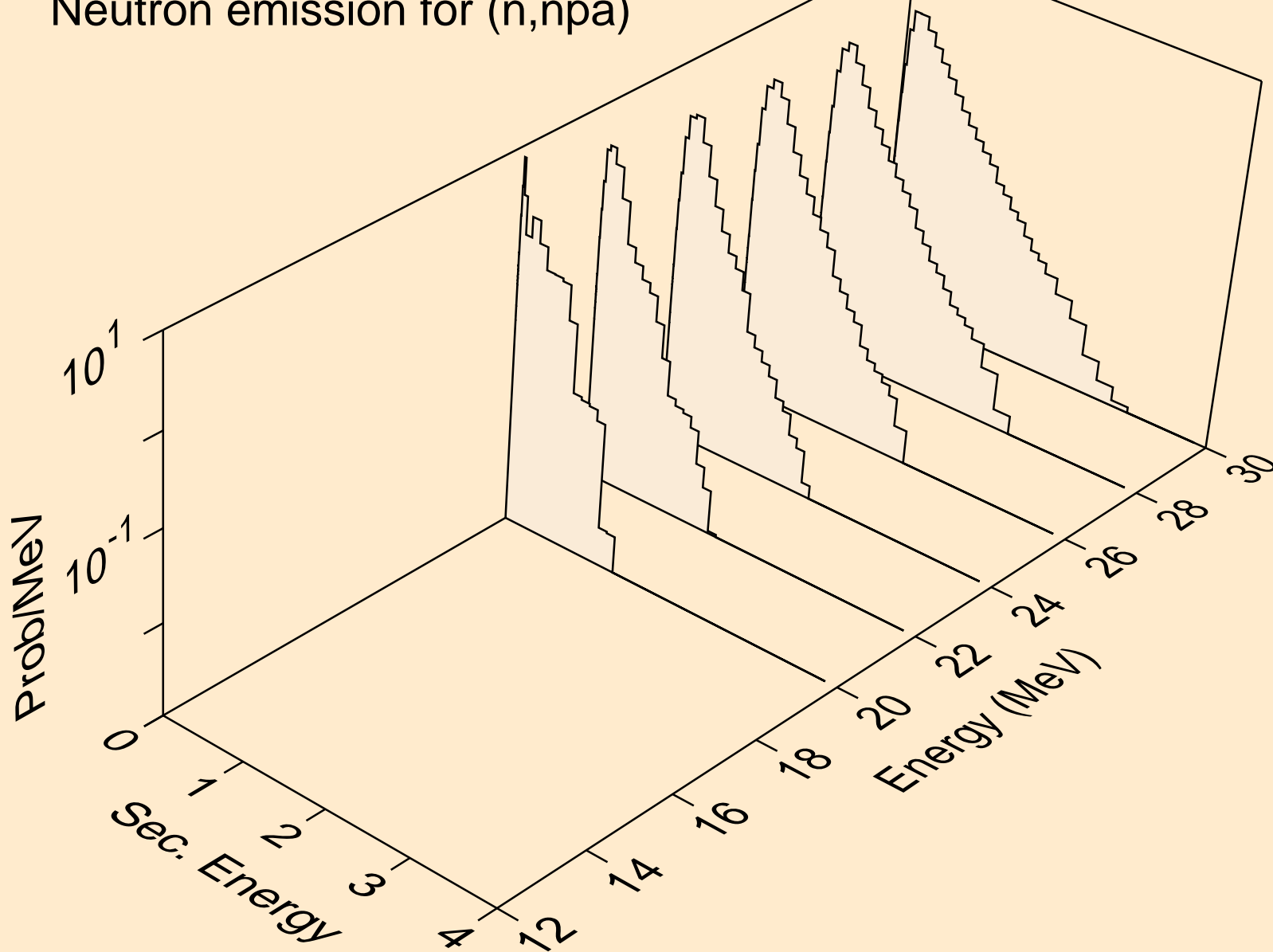




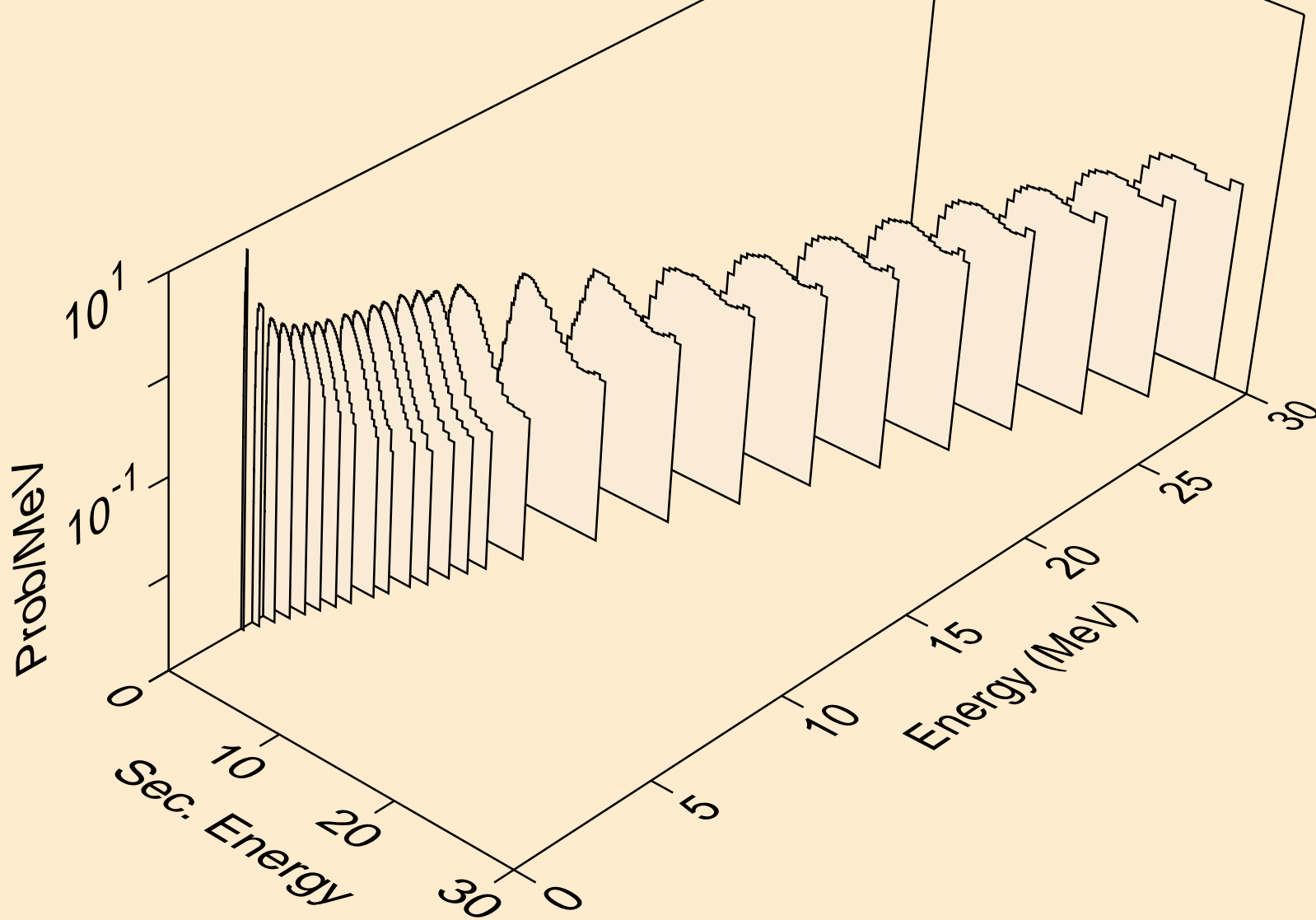
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



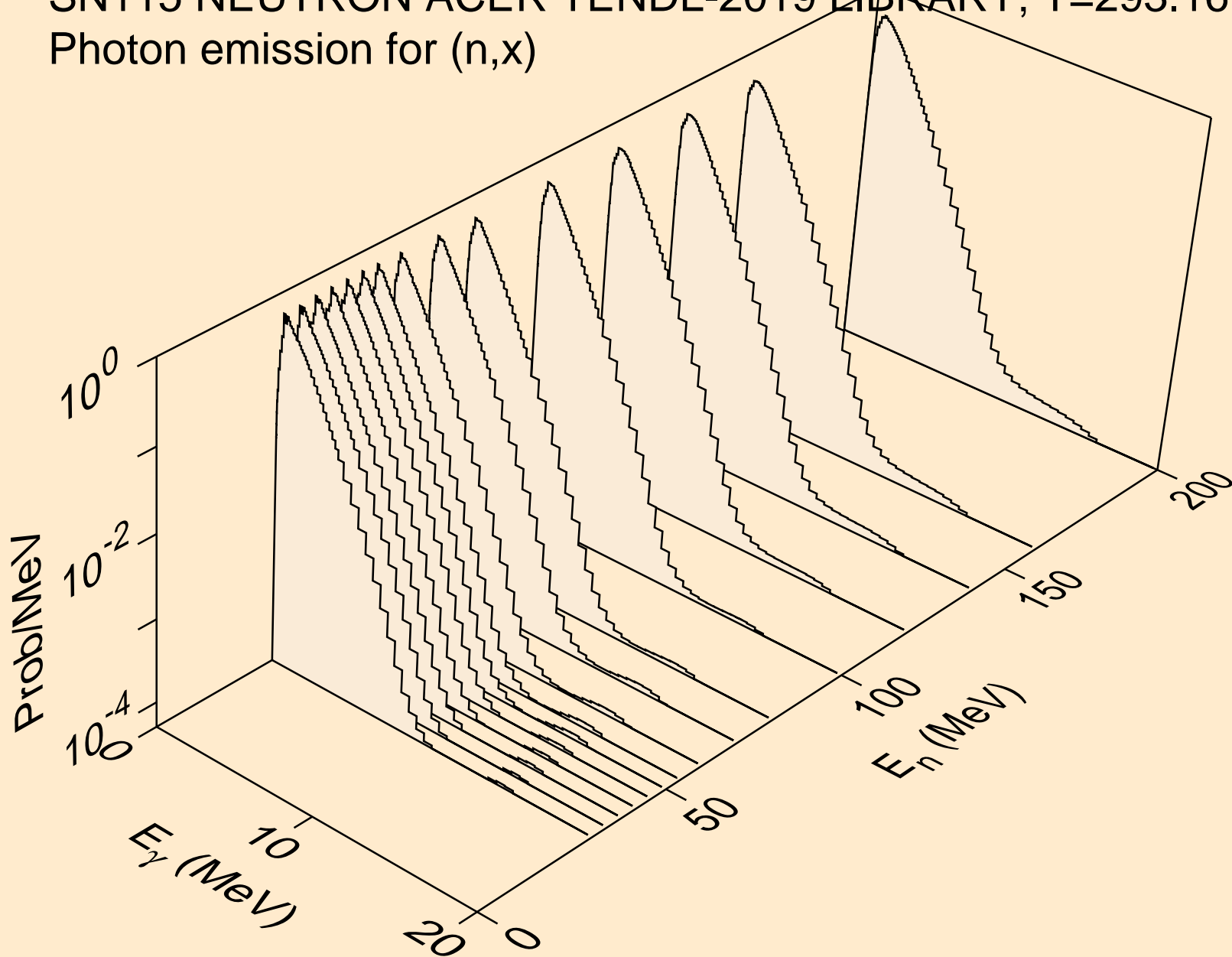
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Neutron emission for (n,npa)



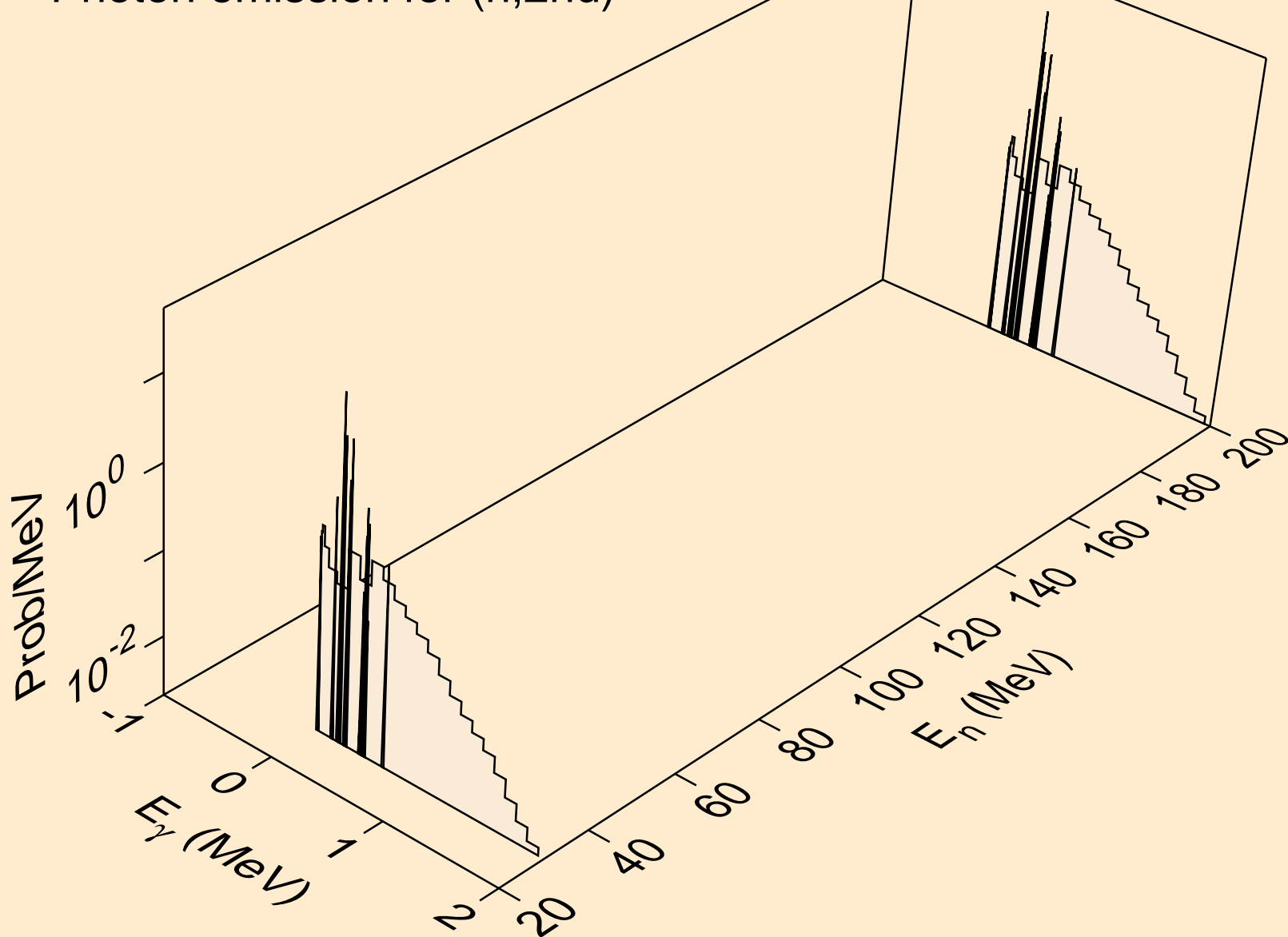
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



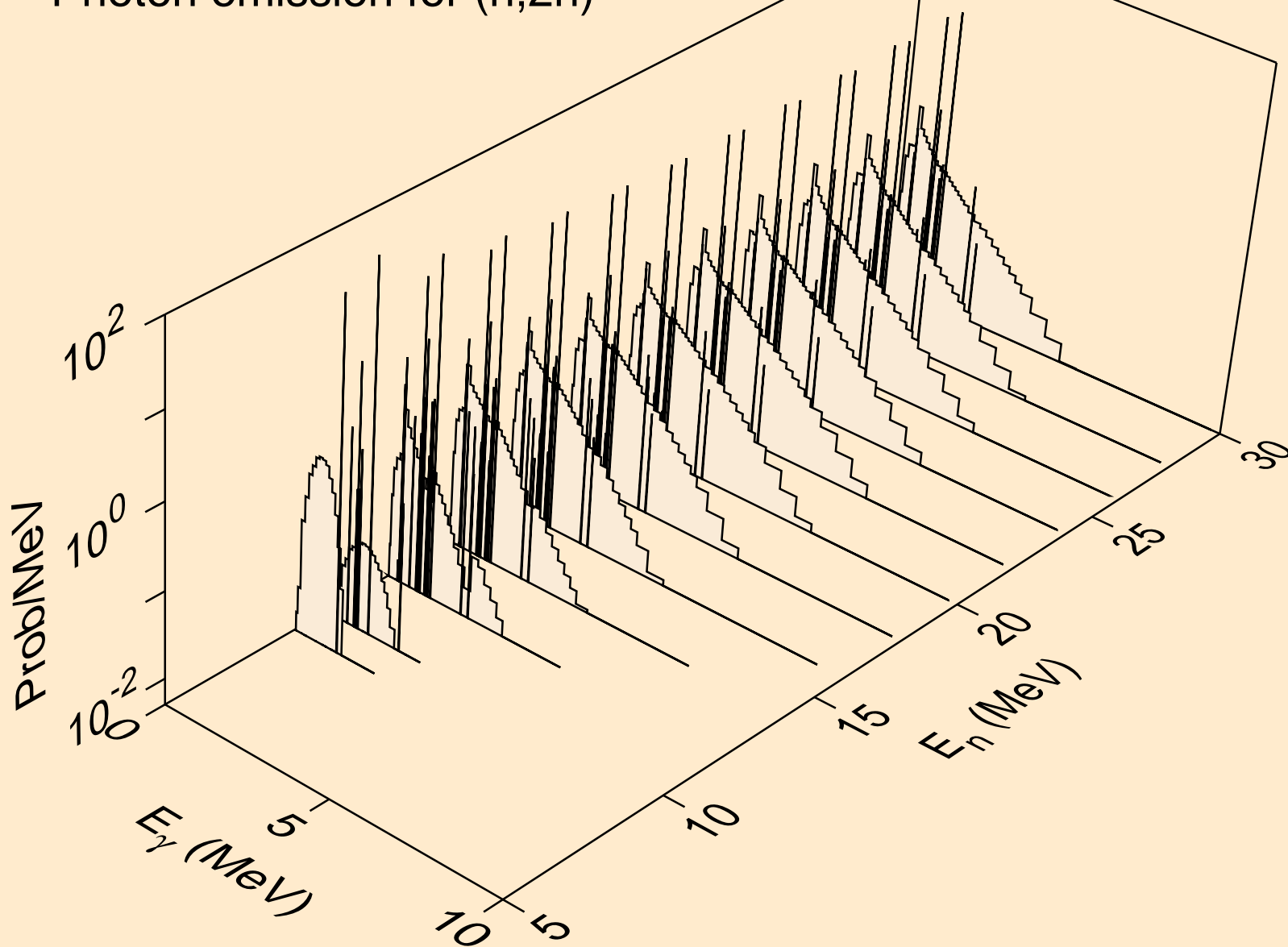
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Photon emission for (n,x)



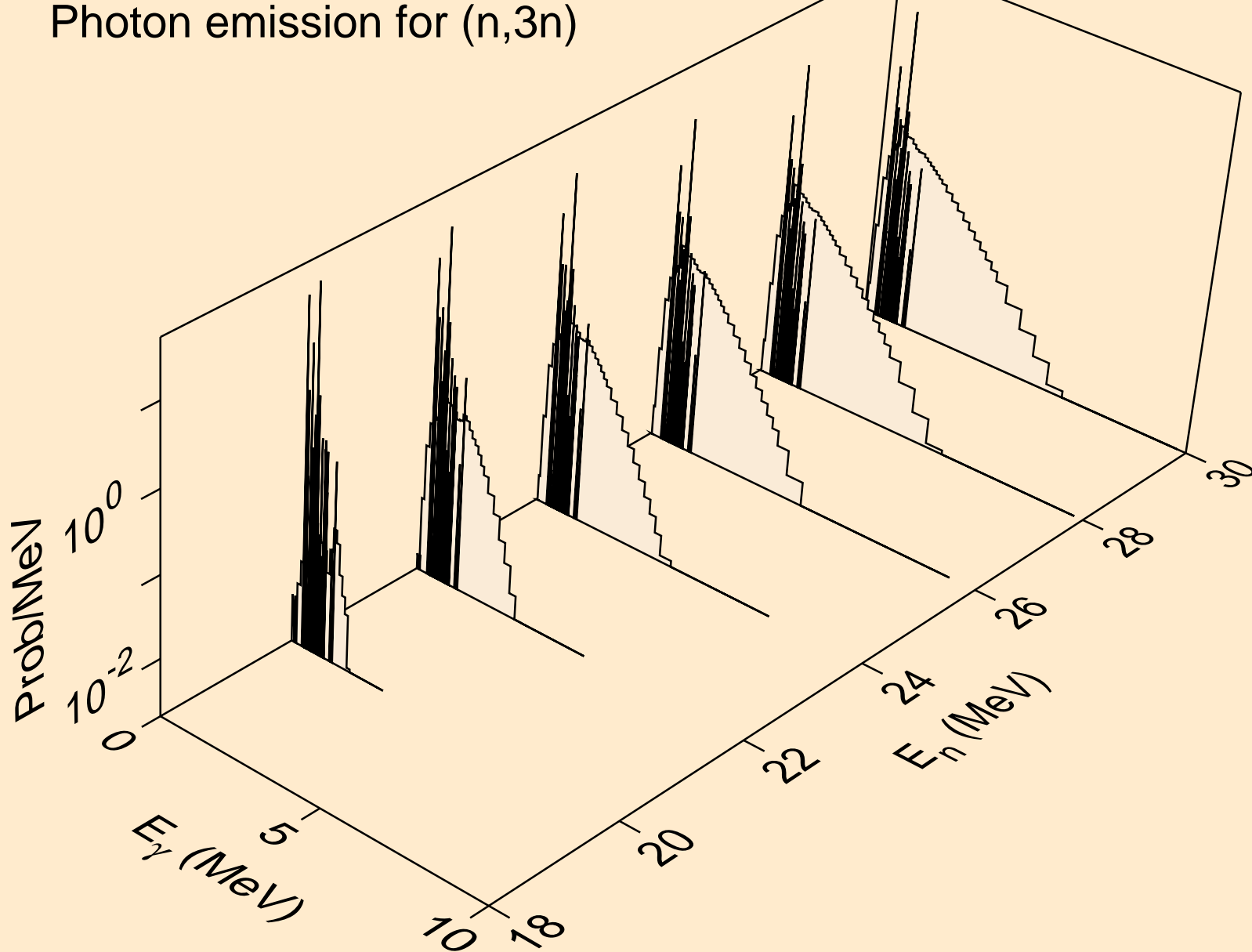
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Photon emission for (n,2nd)



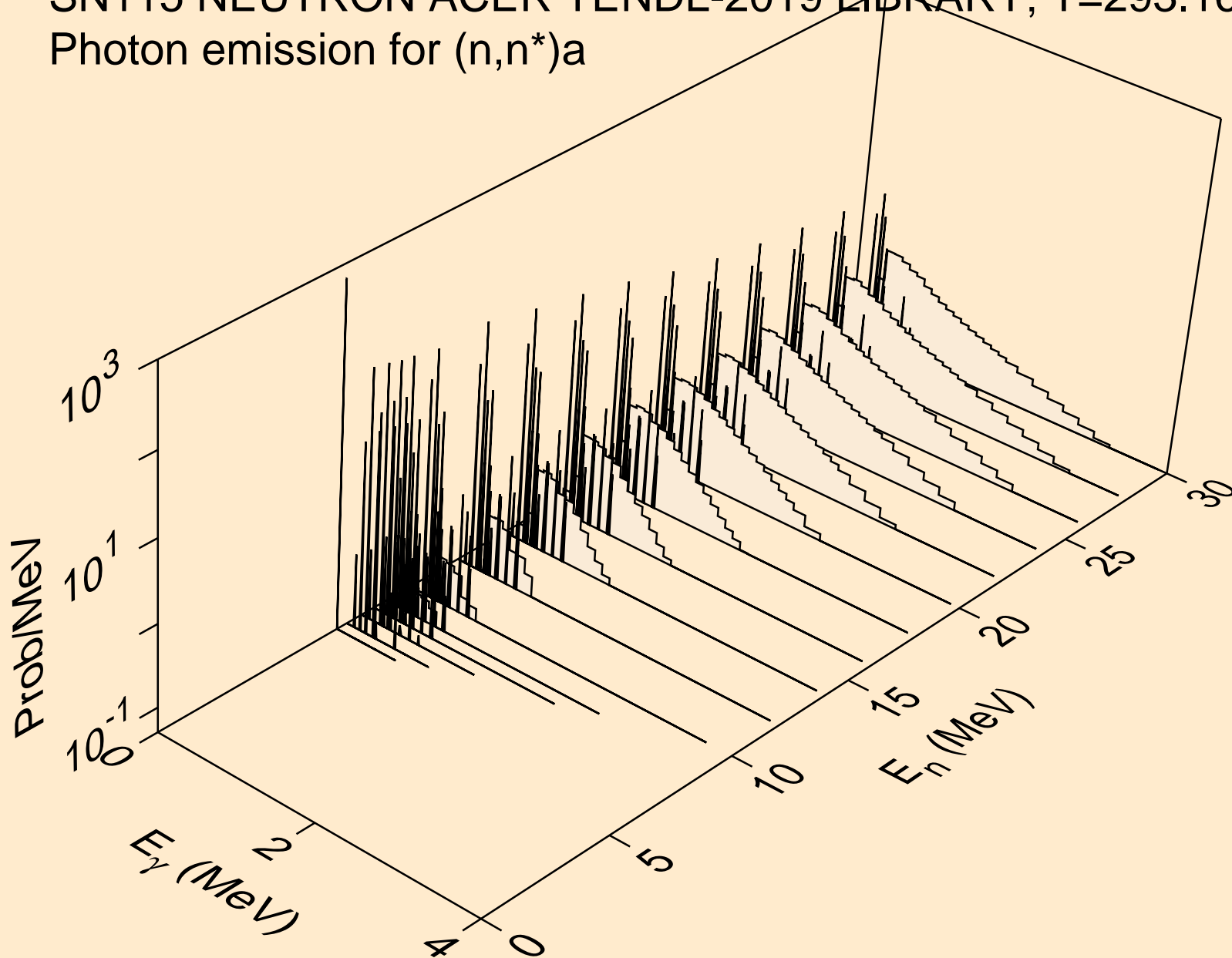
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

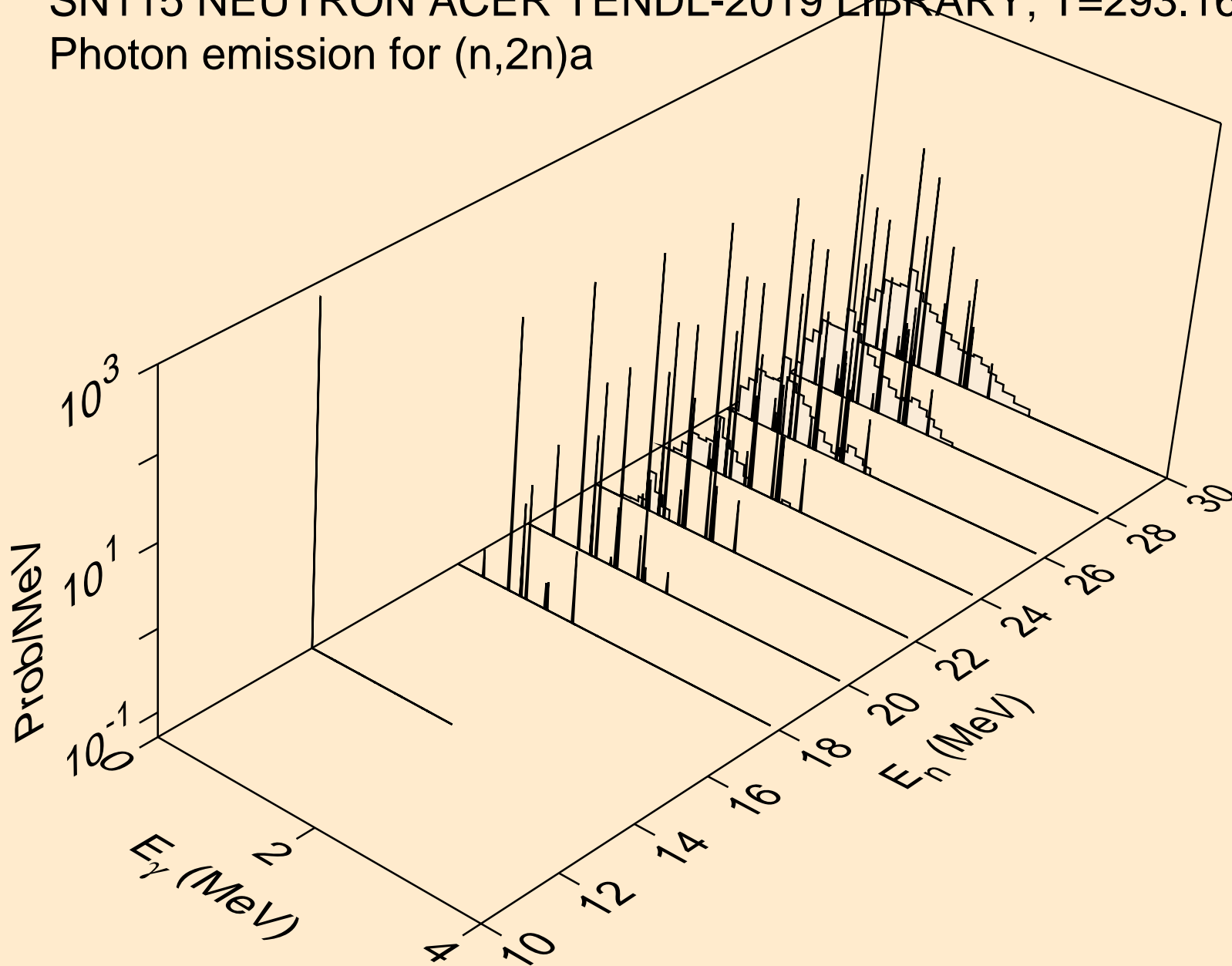


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

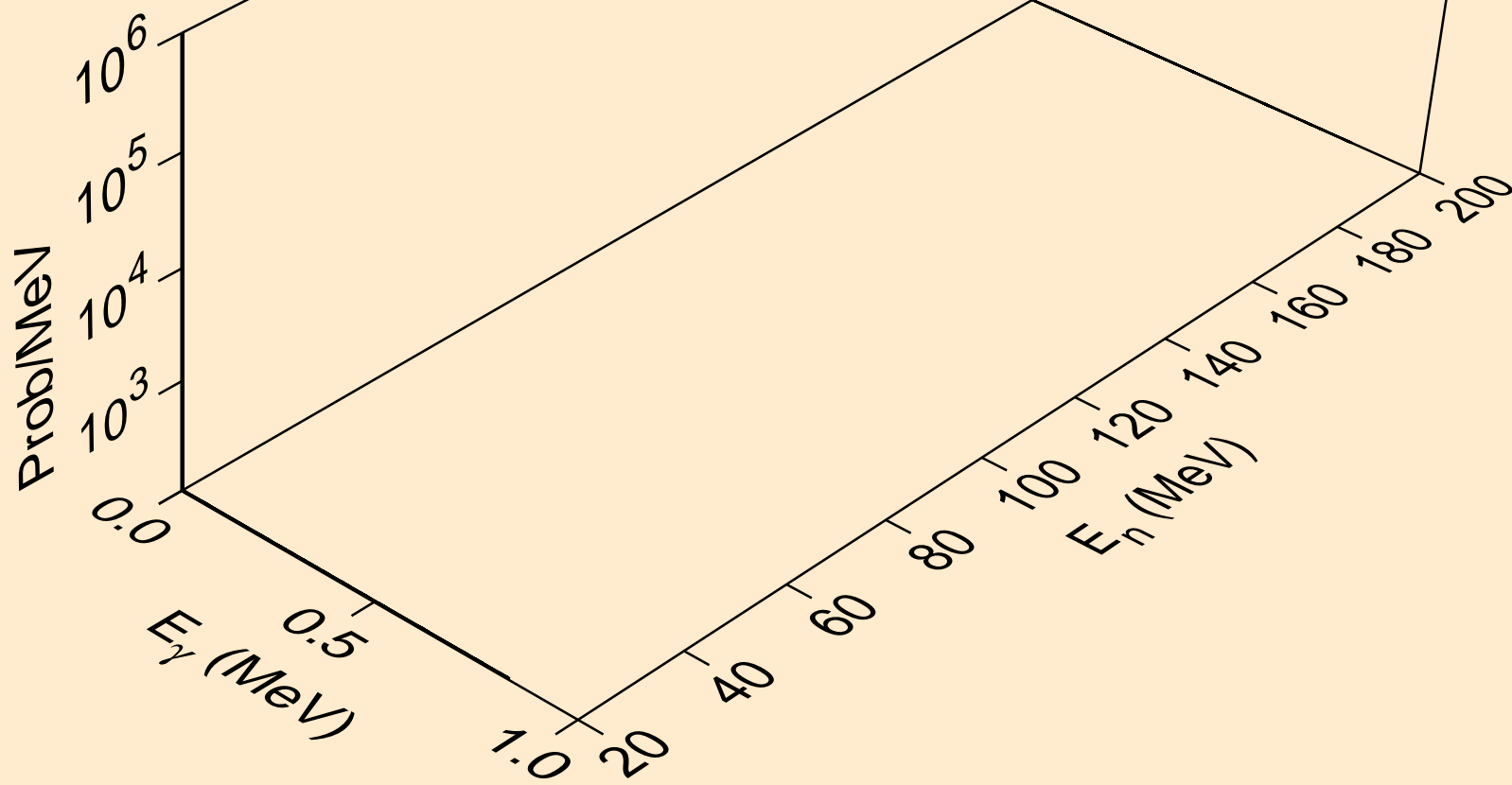




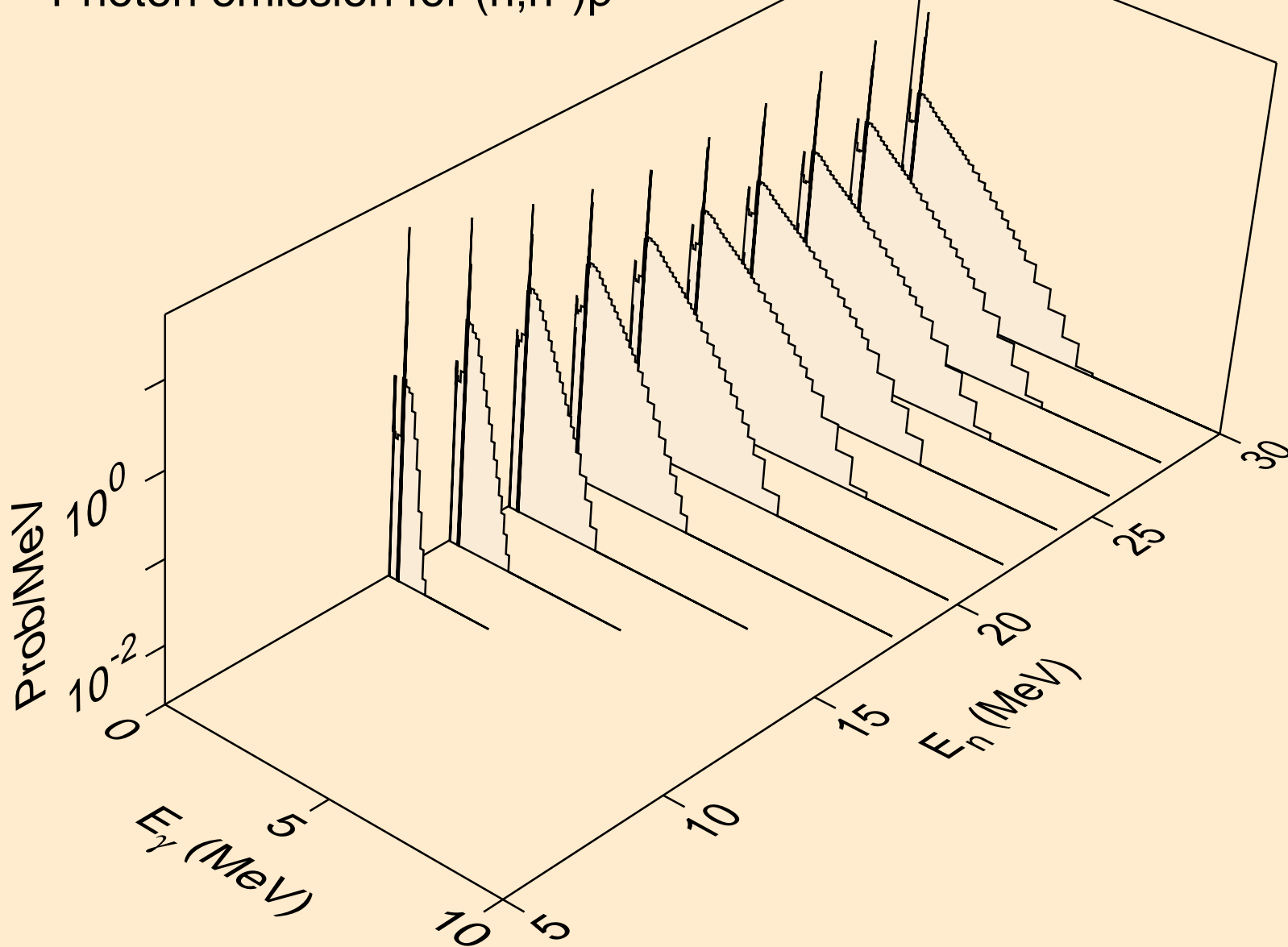
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



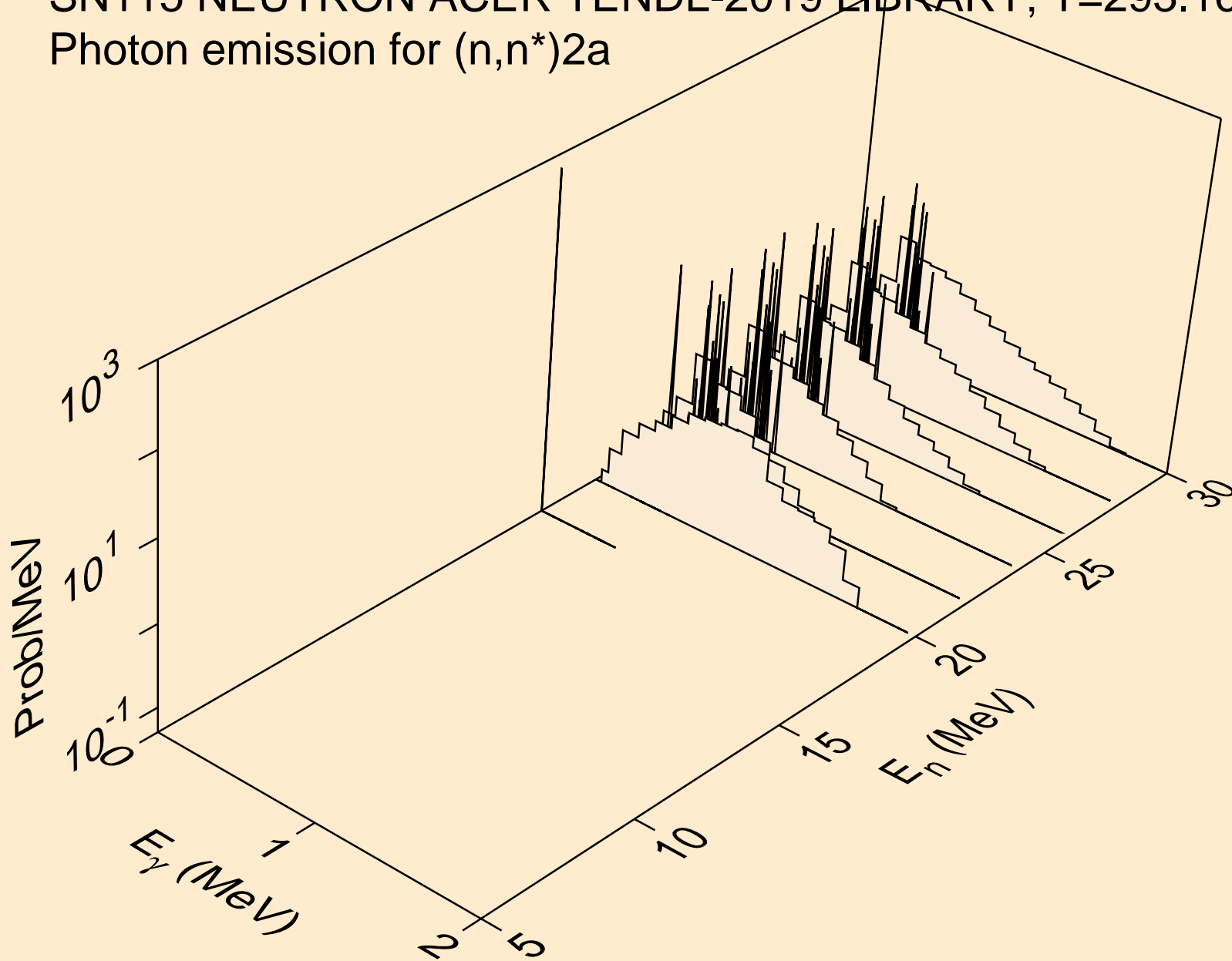
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Photon emission for (n,3n)a



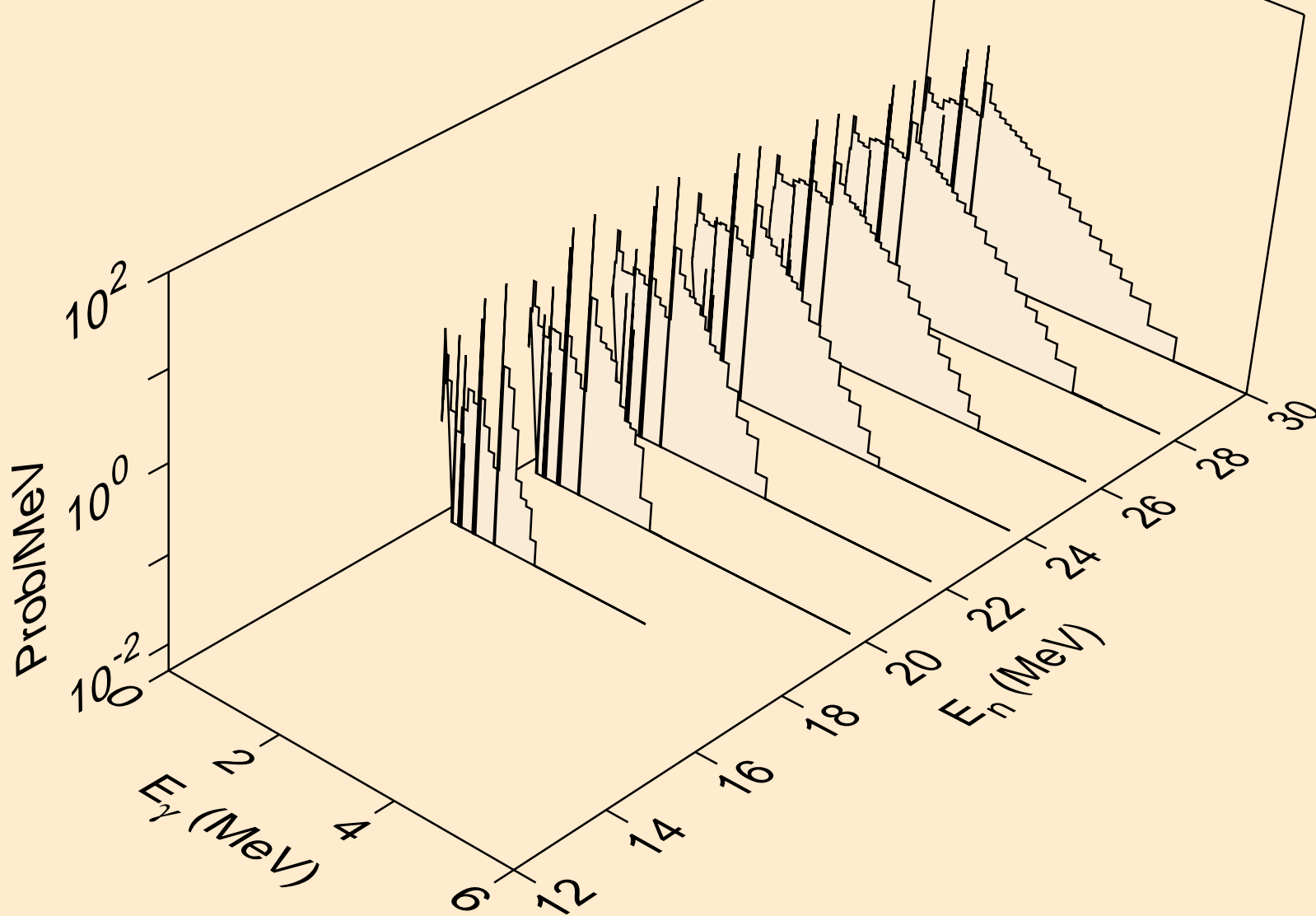
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Photon emission for (n,n\*)p



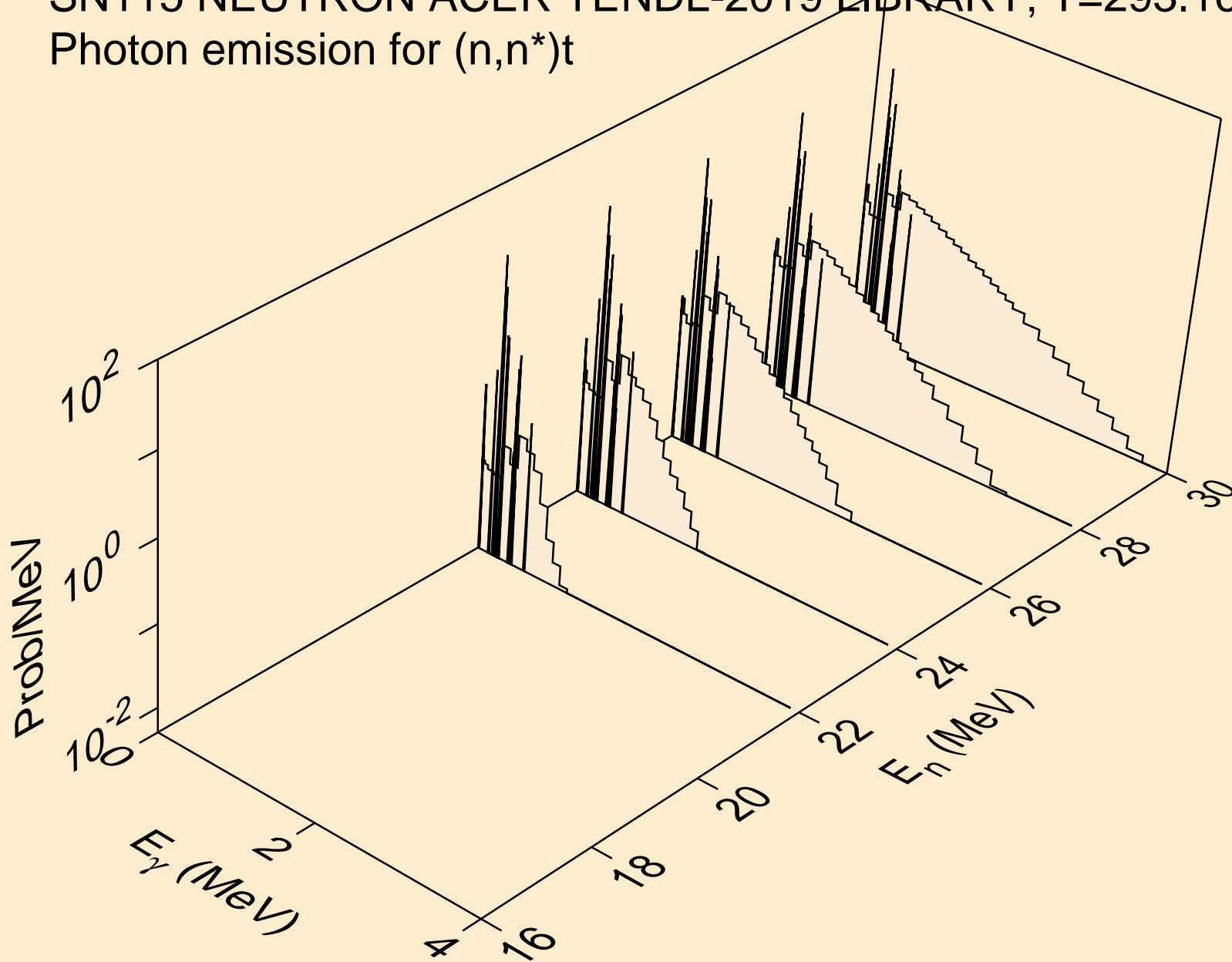
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Photon emission for (n,n\*)2a



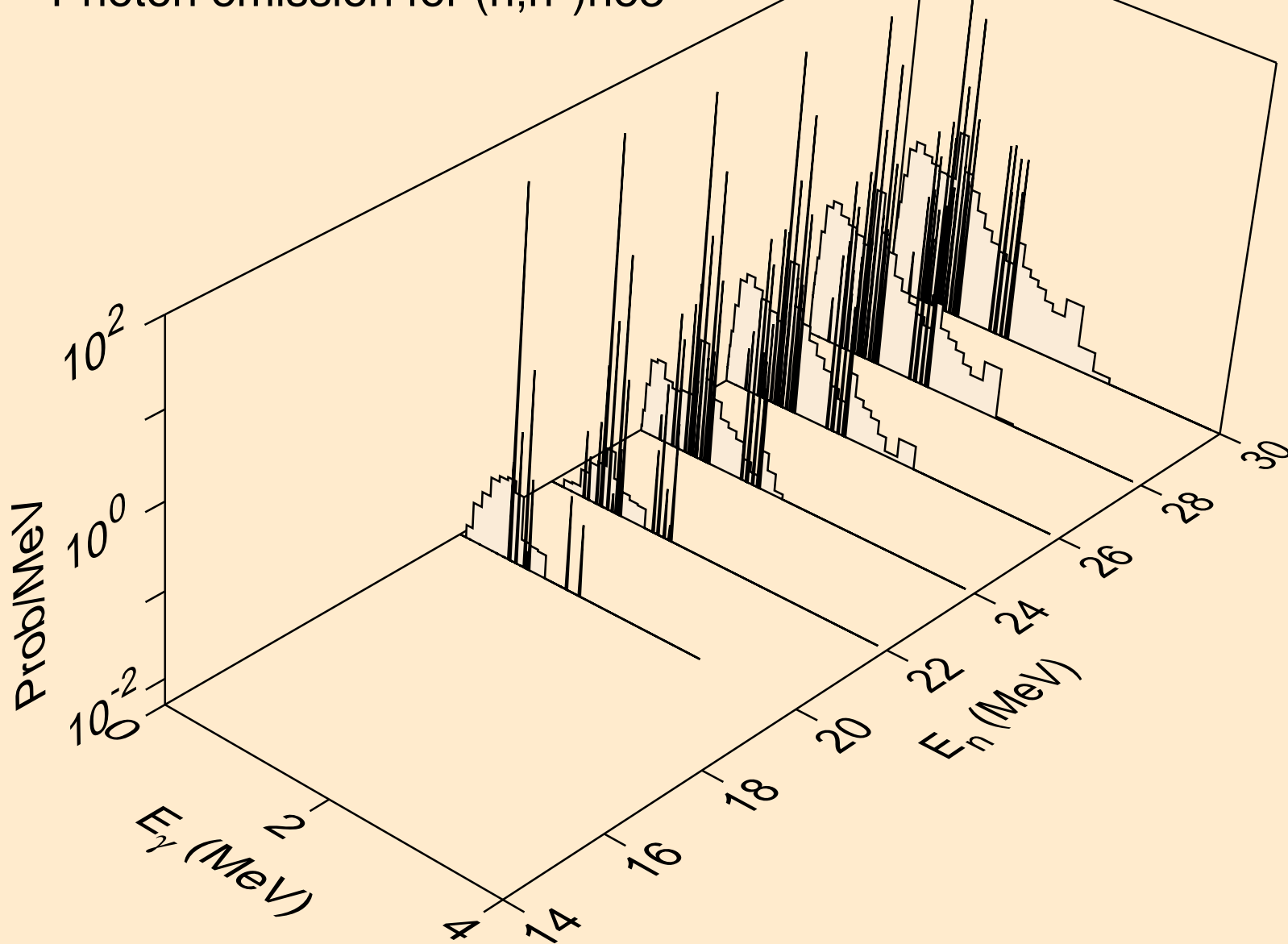
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Photon emission for (n,n\*)d



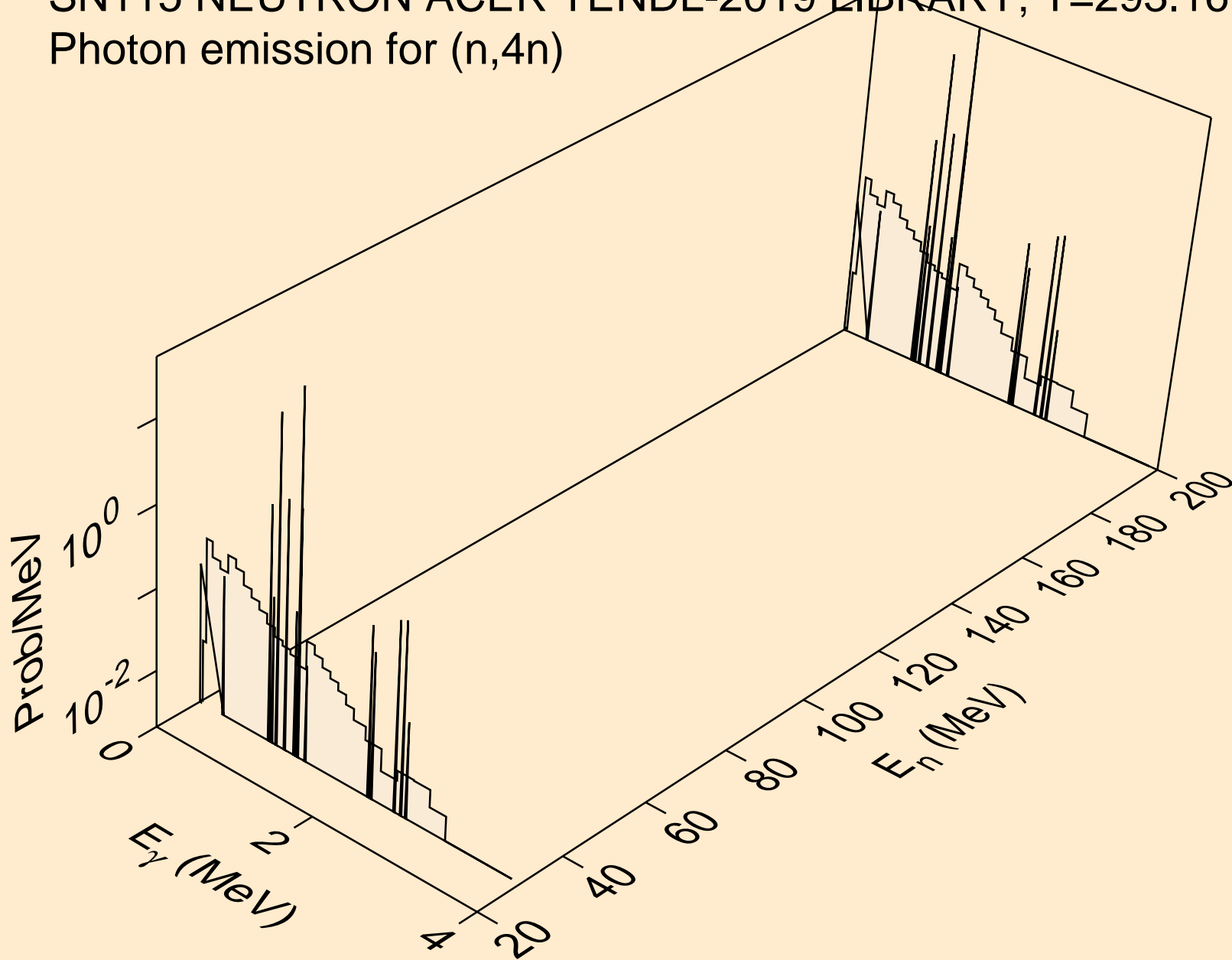
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

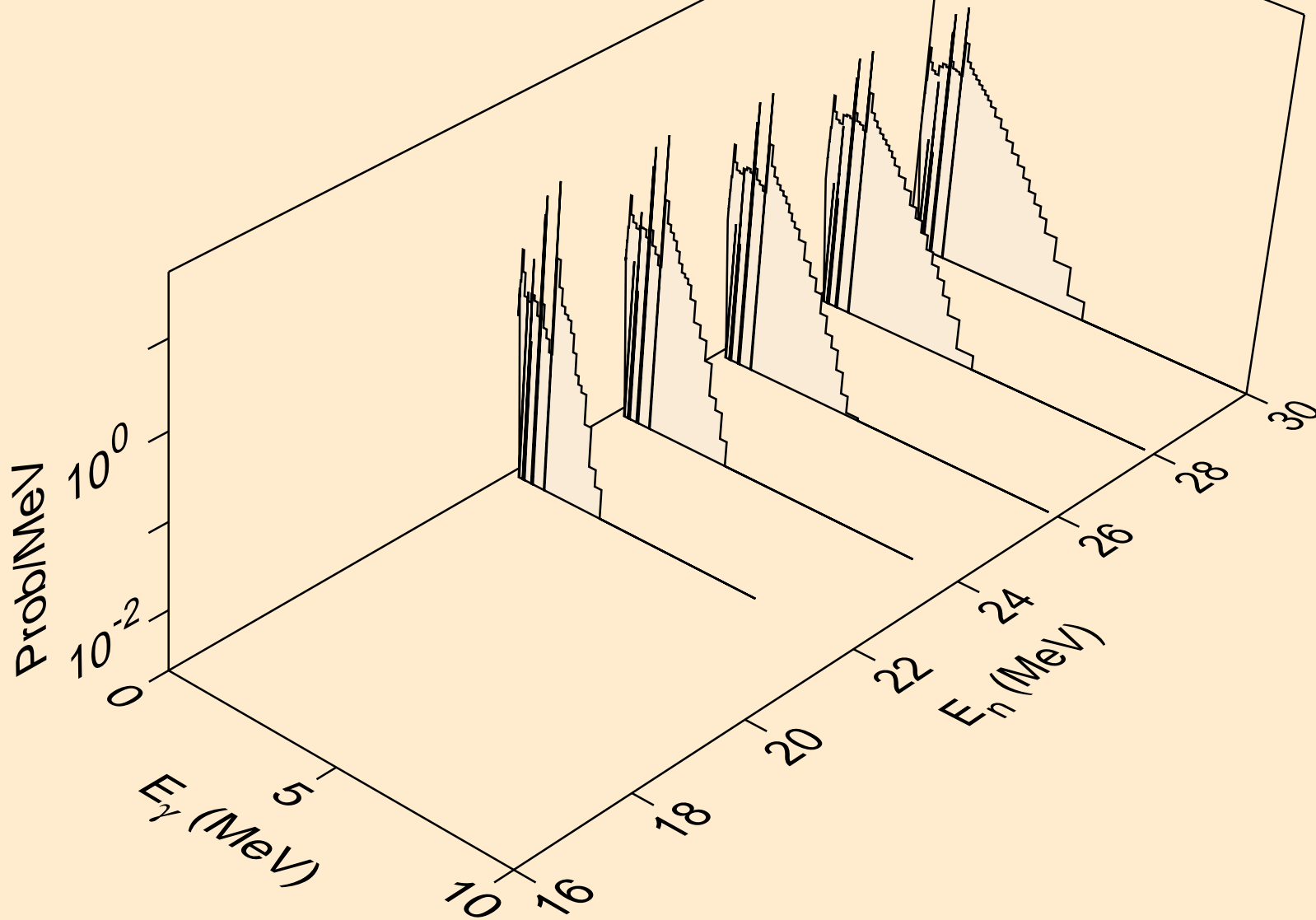


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Photon emission for (n,4n)

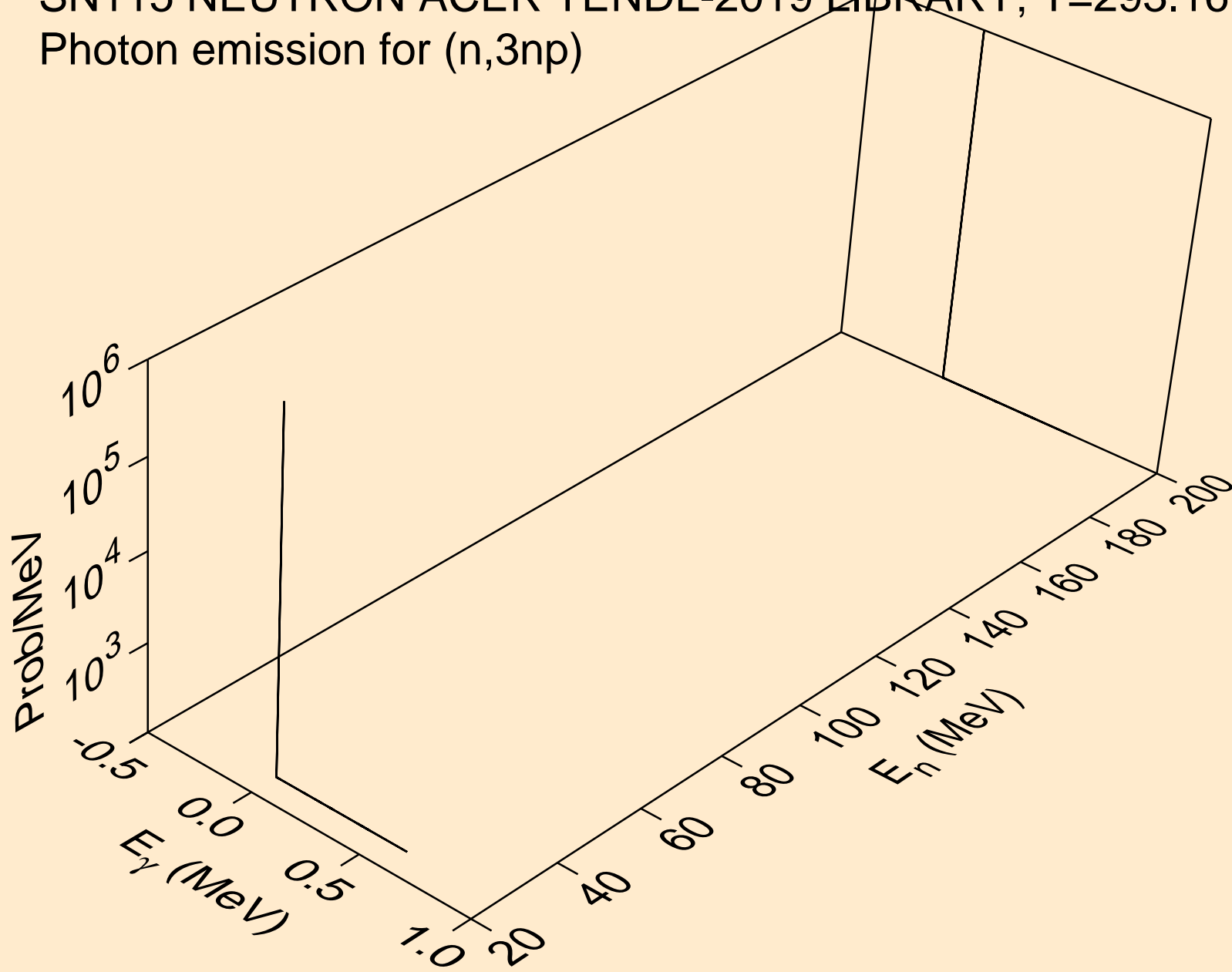




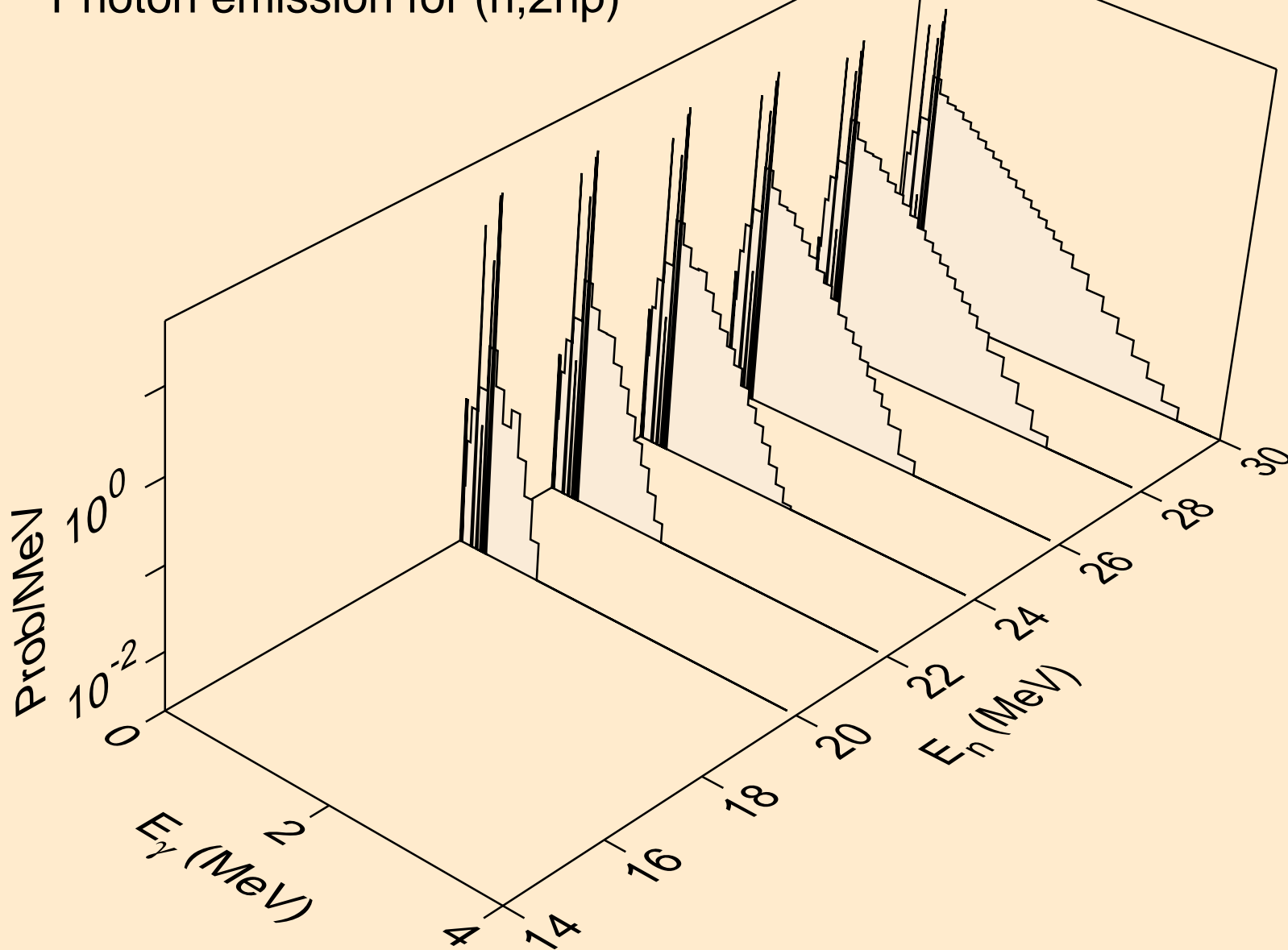
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Photon emission for (n,2np)



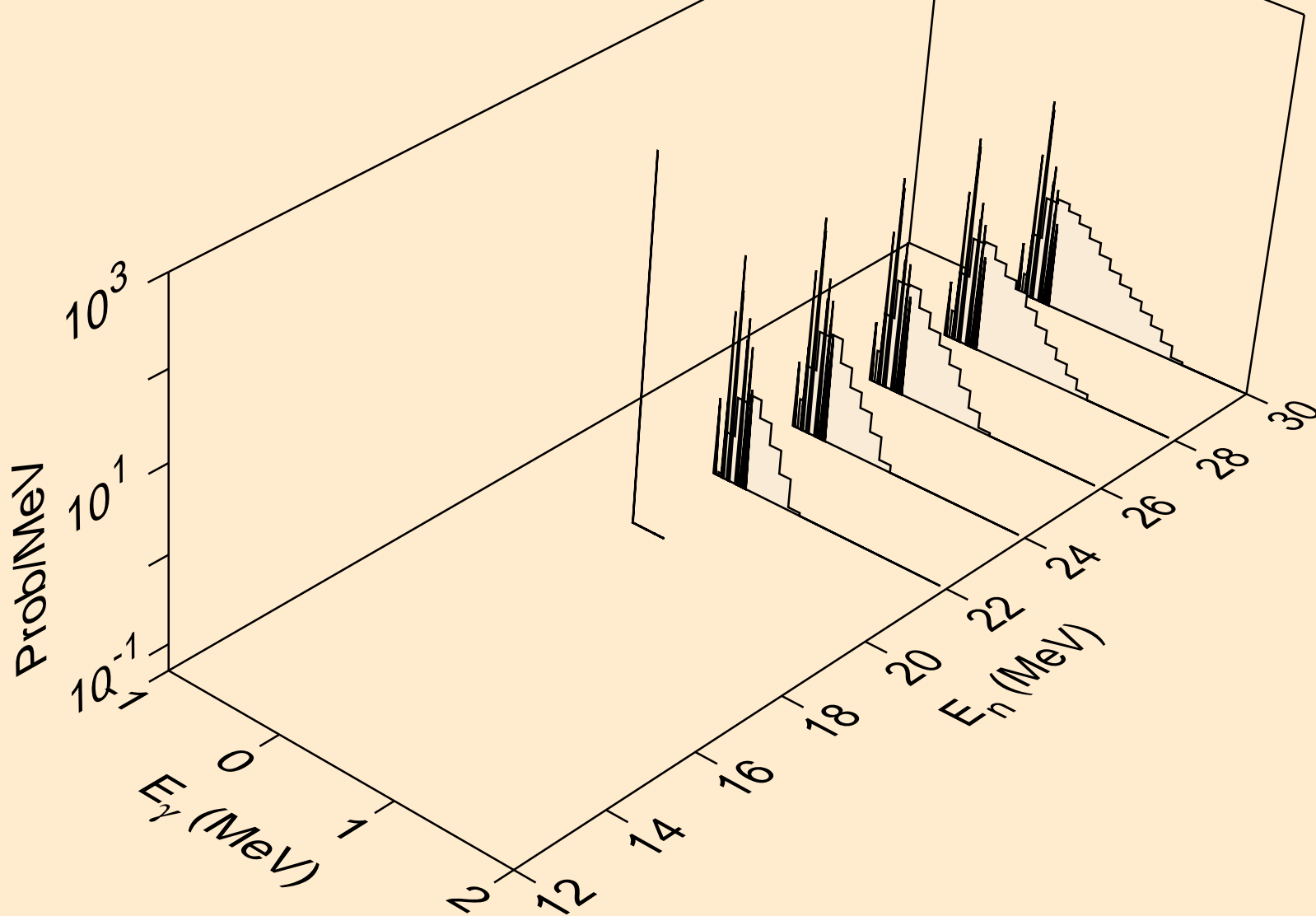
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Photon emission for (n,3np)



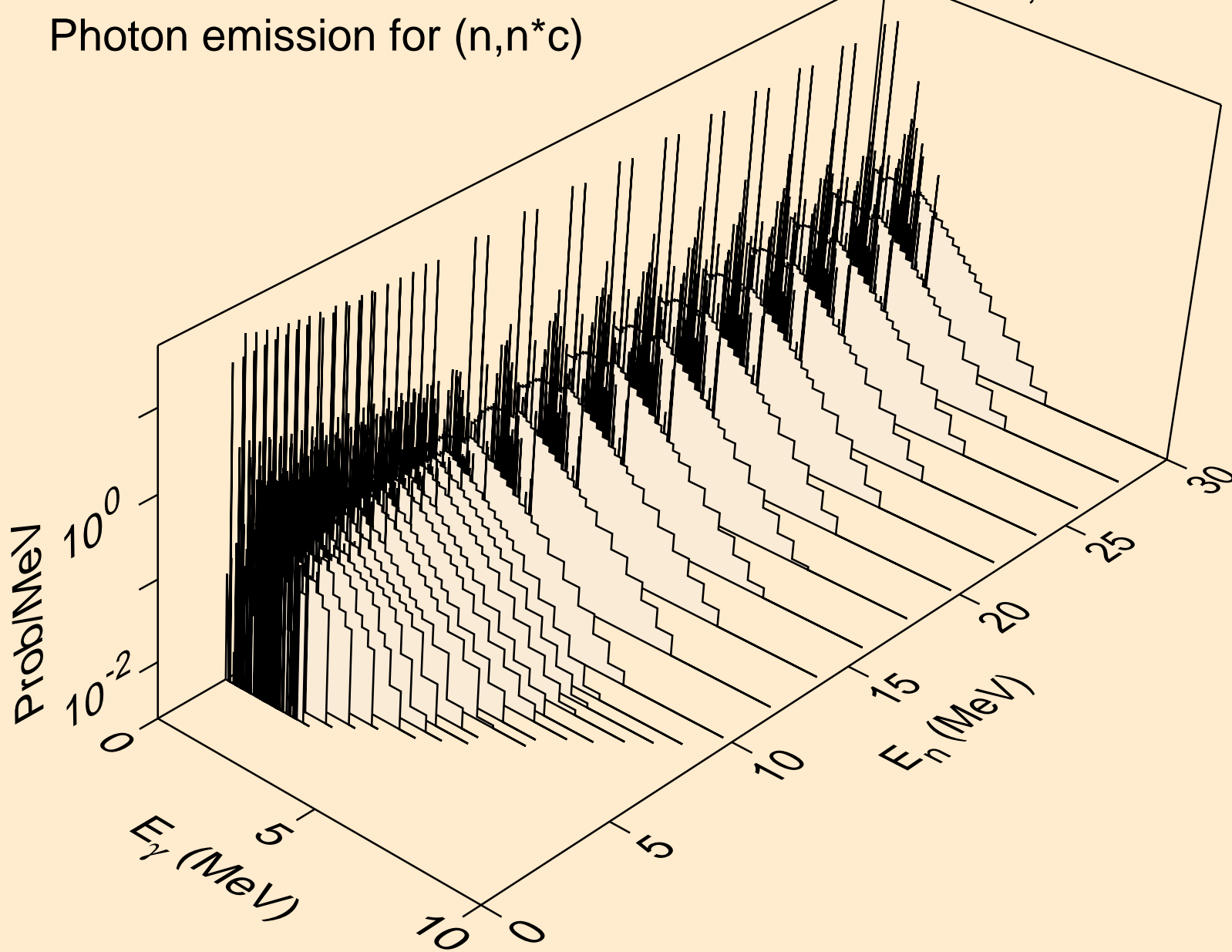
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Photon emission for (n,2np)



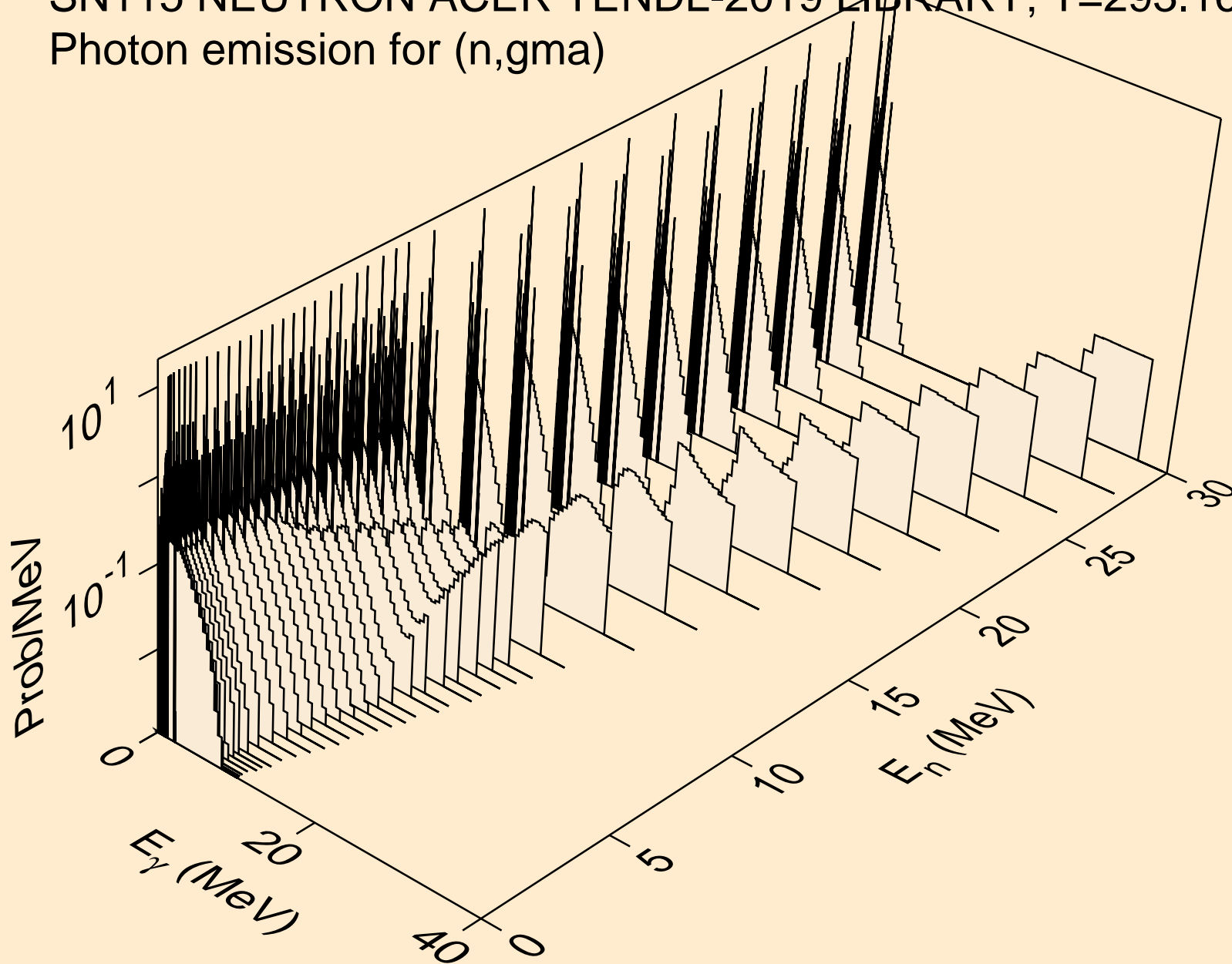
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Photon emission for (n,npa)



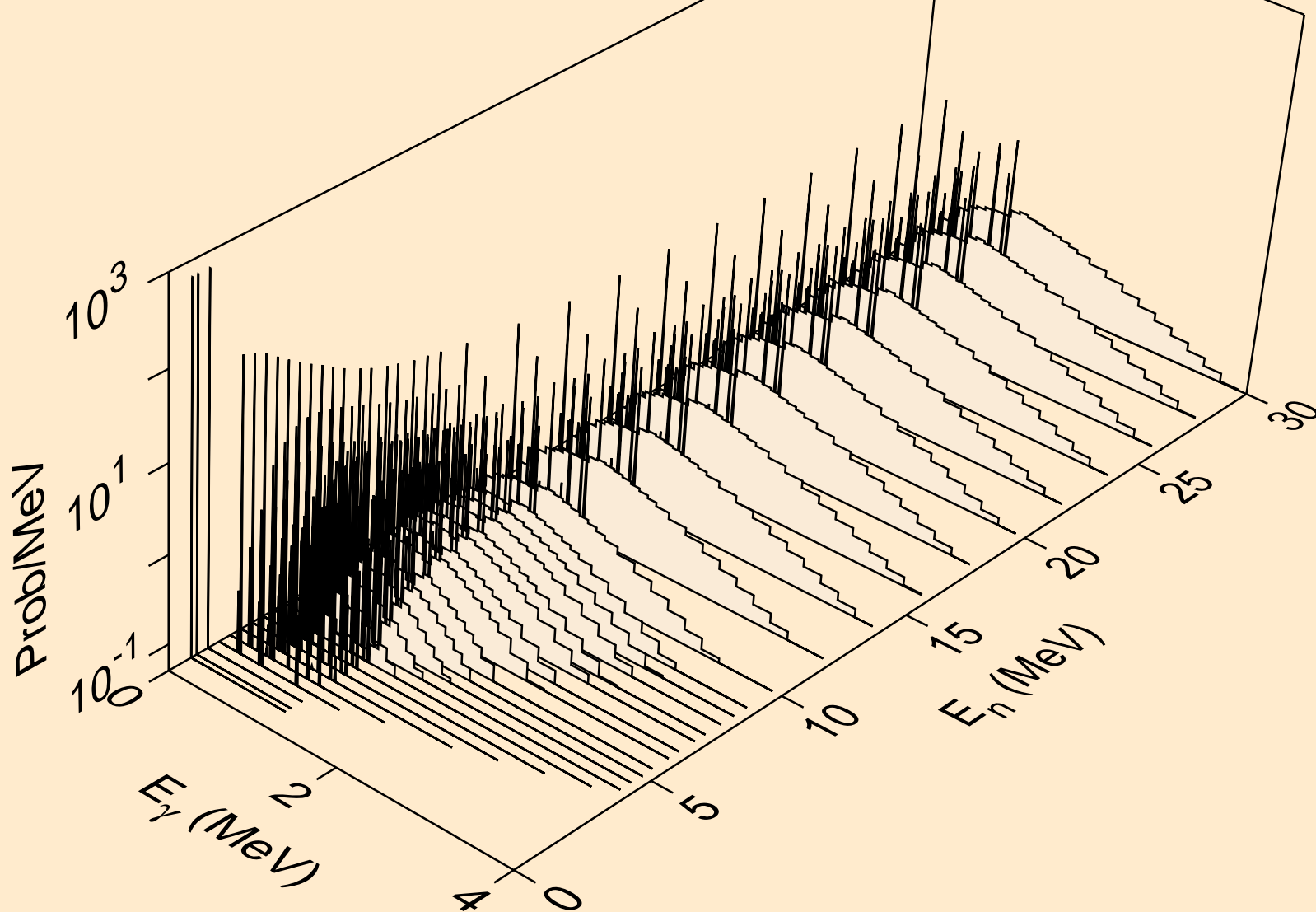
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Photon emission for (n,n\*c)



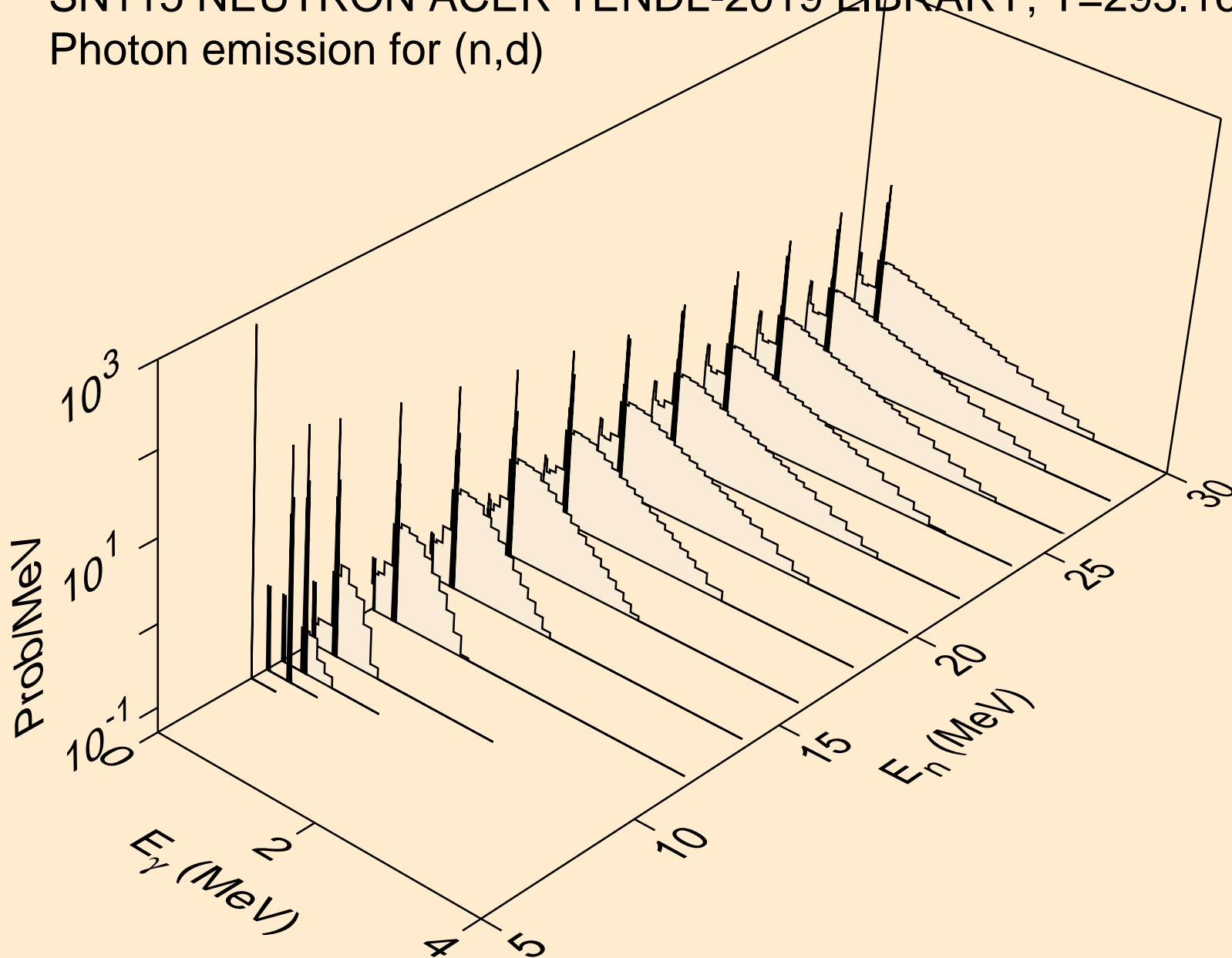
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Photon emission for (n,gma)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

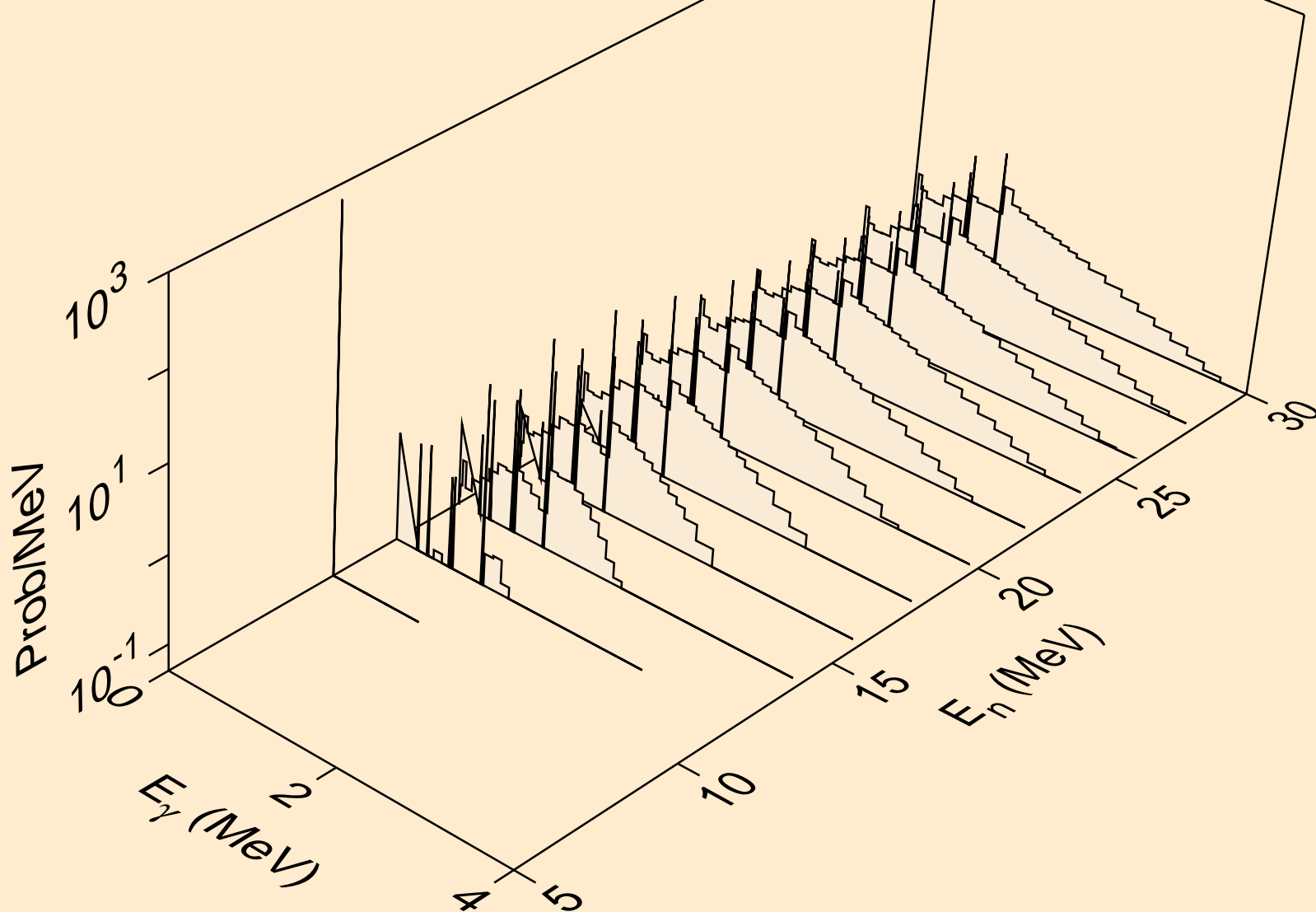


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Photon emission for (n,d)

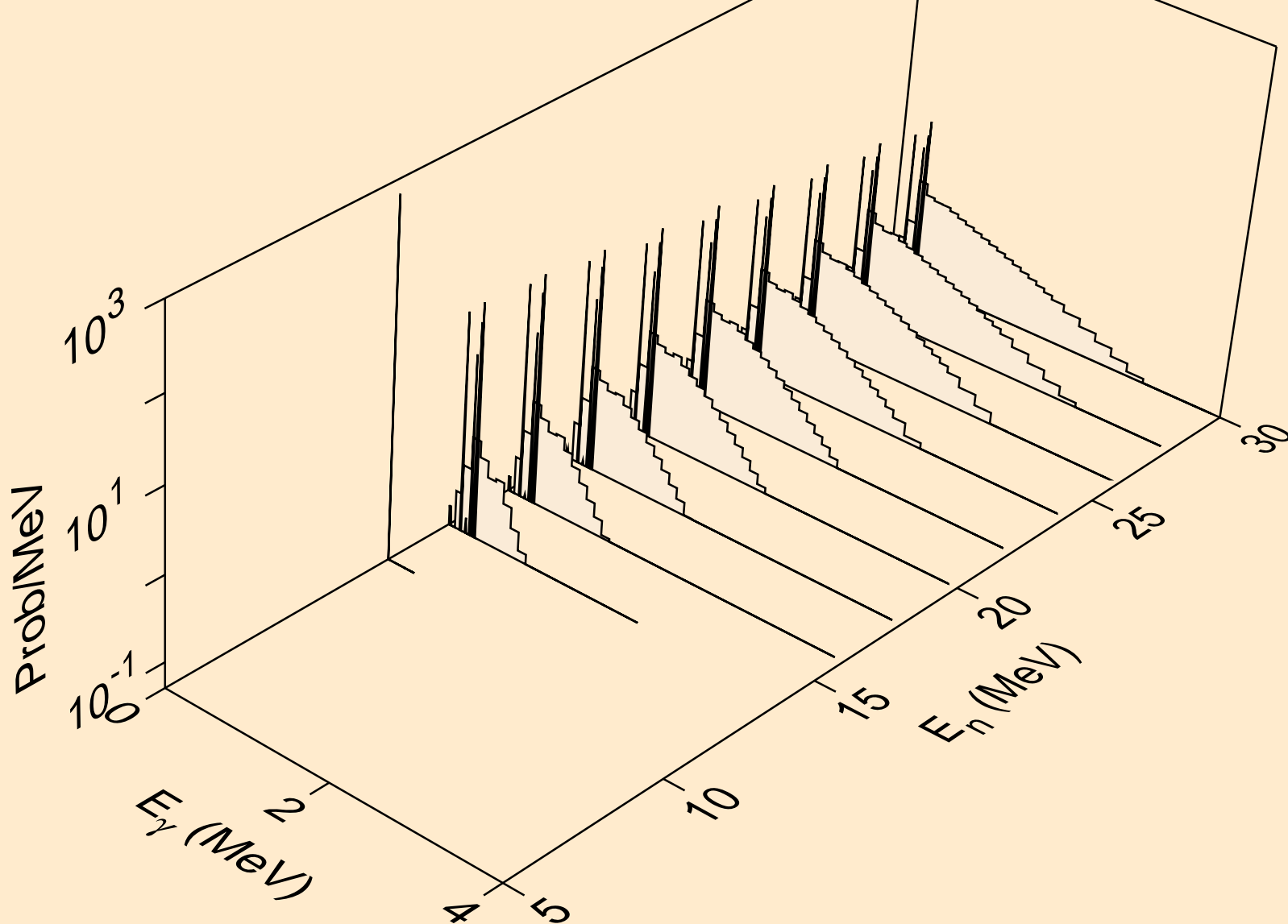




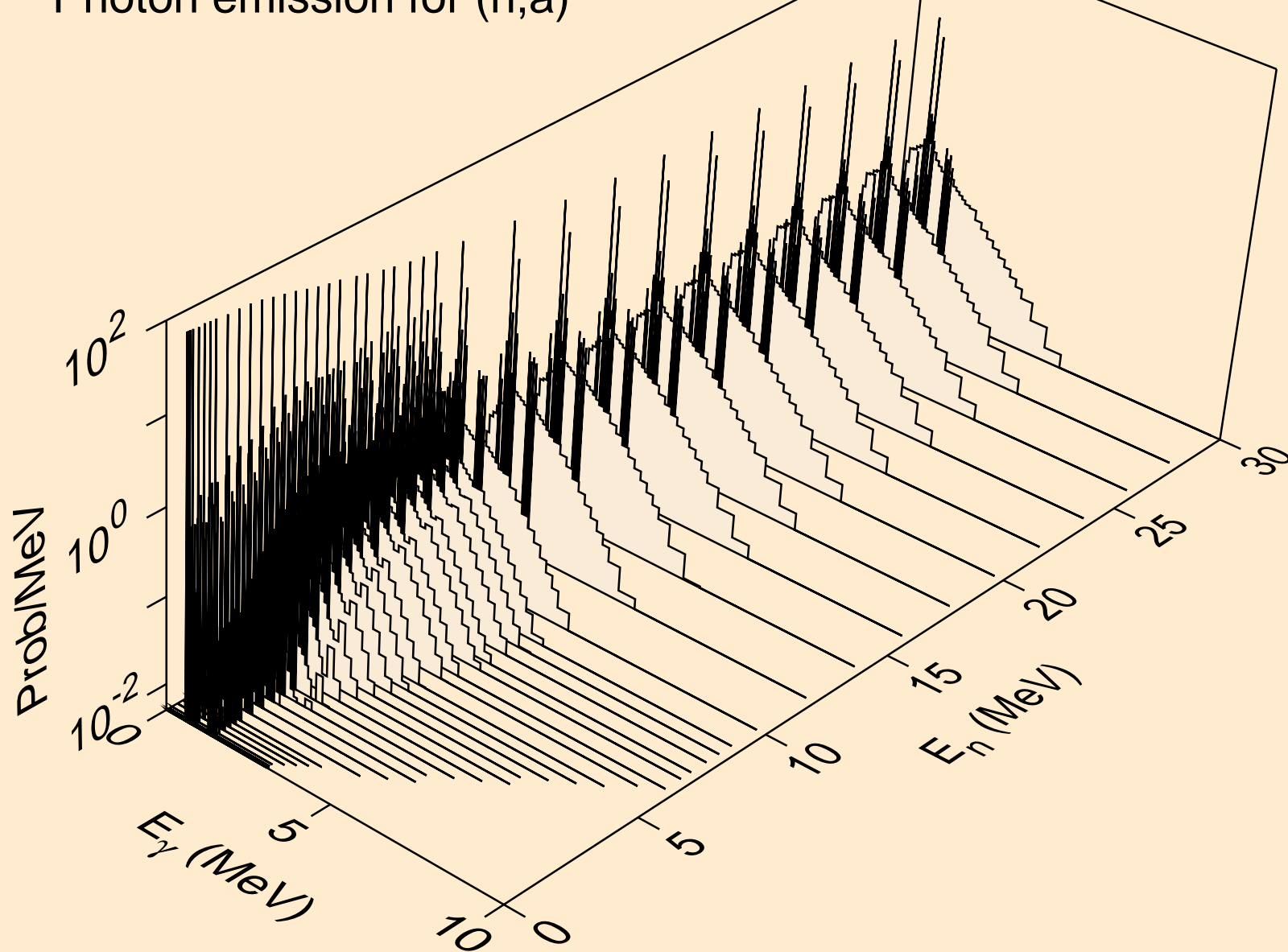
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Photon emission for (n,t)



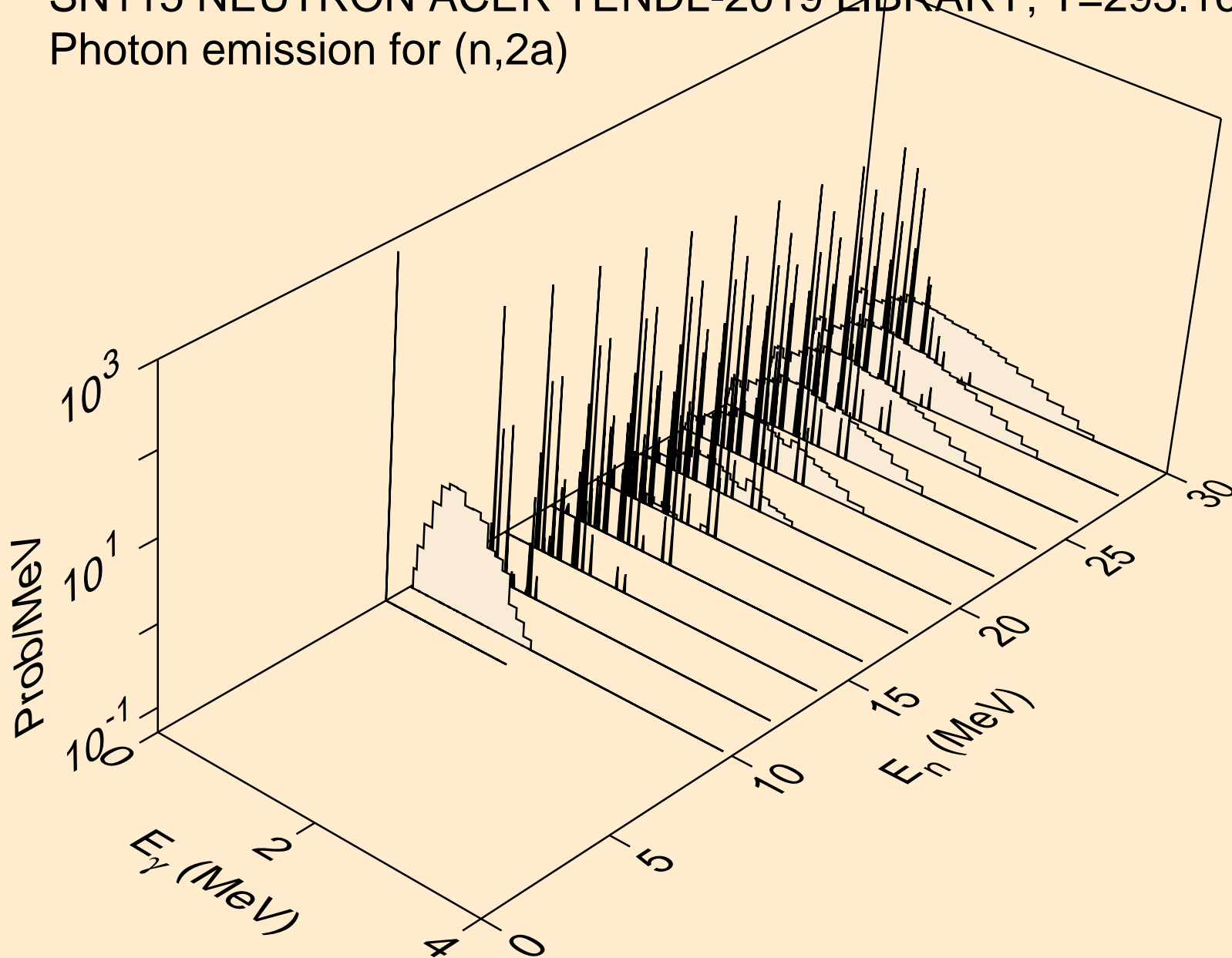
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Photon emission for (n,he3)



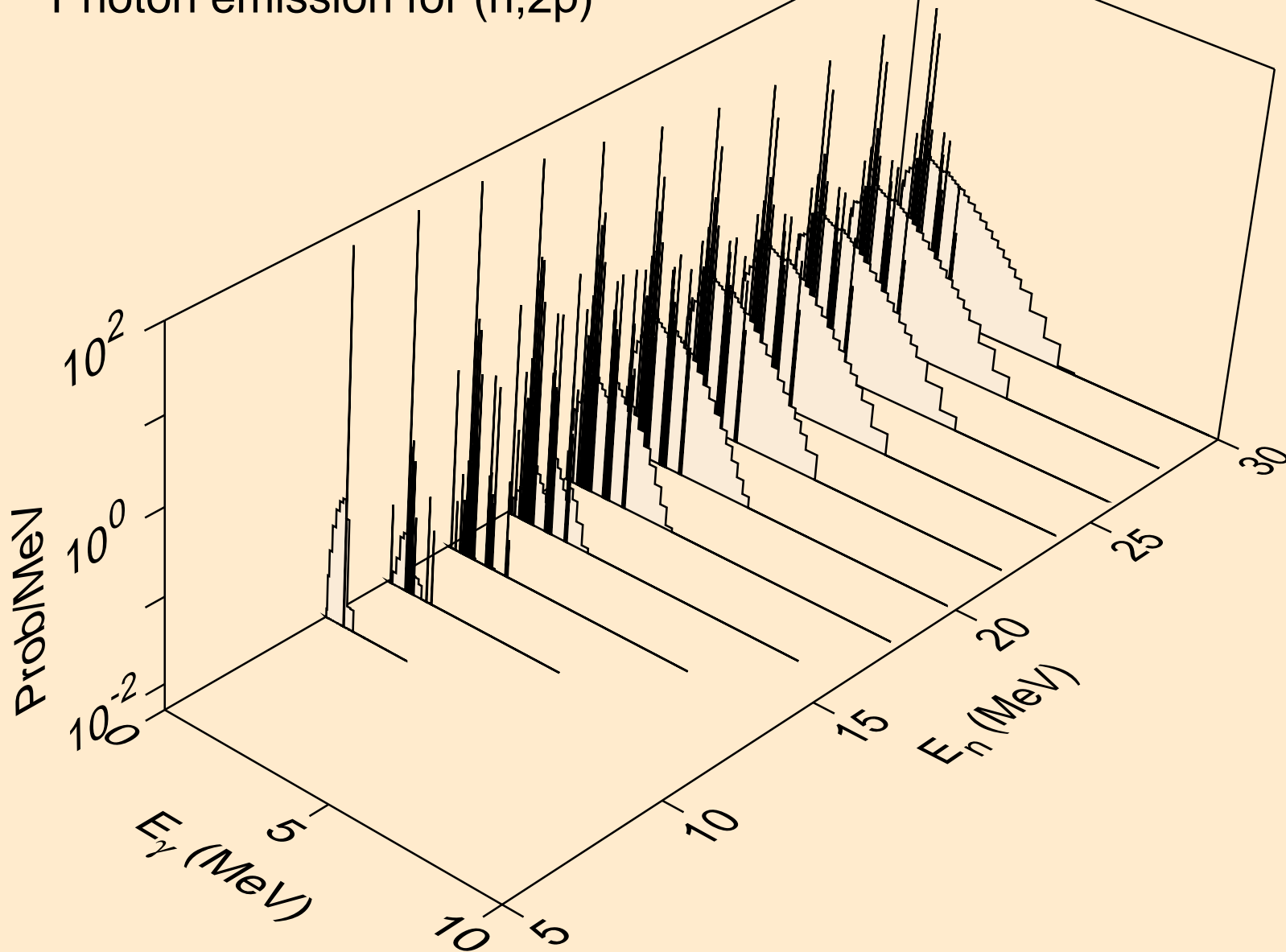
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Photon emission for (n,a)



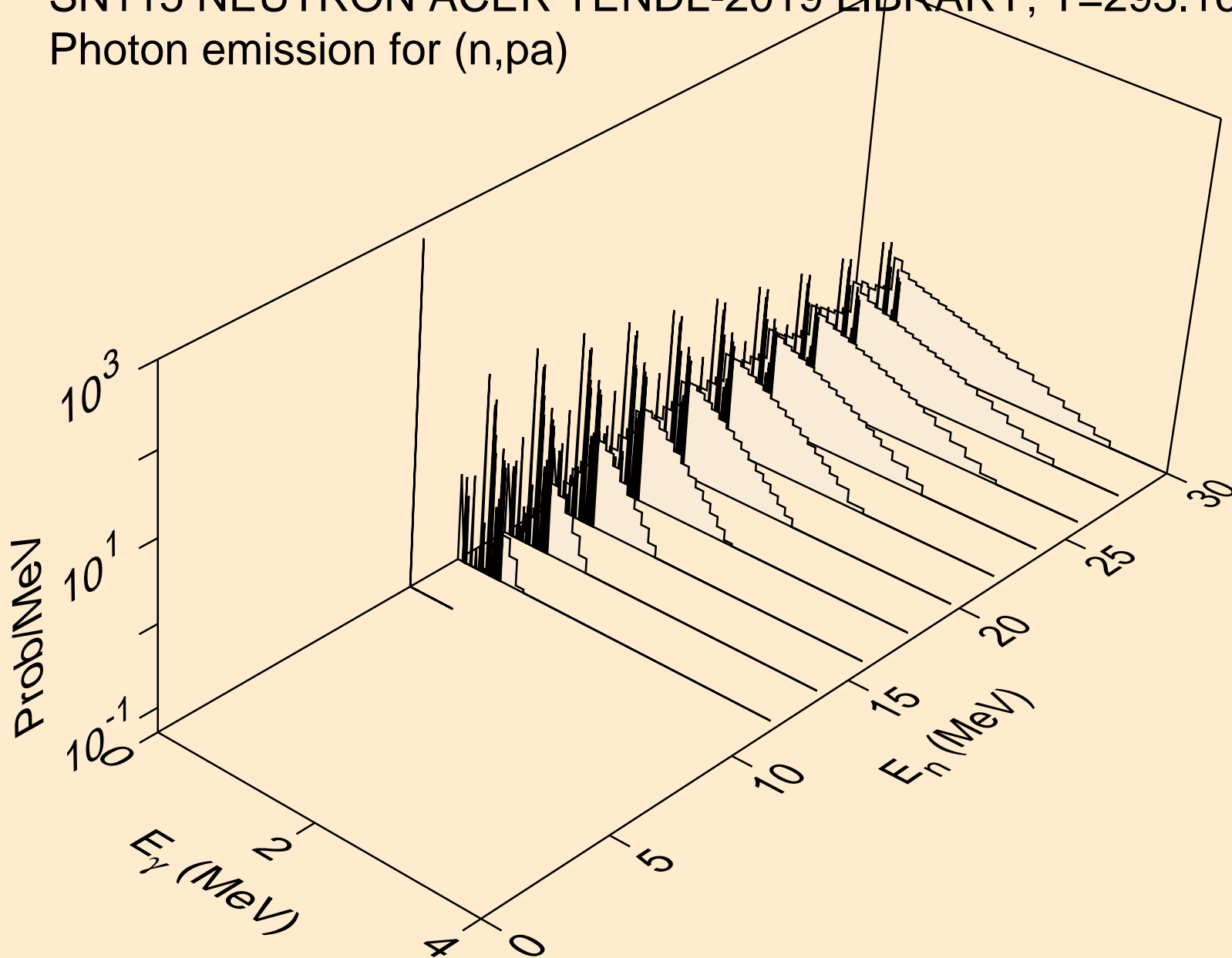
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Photon emission for (n,2a)



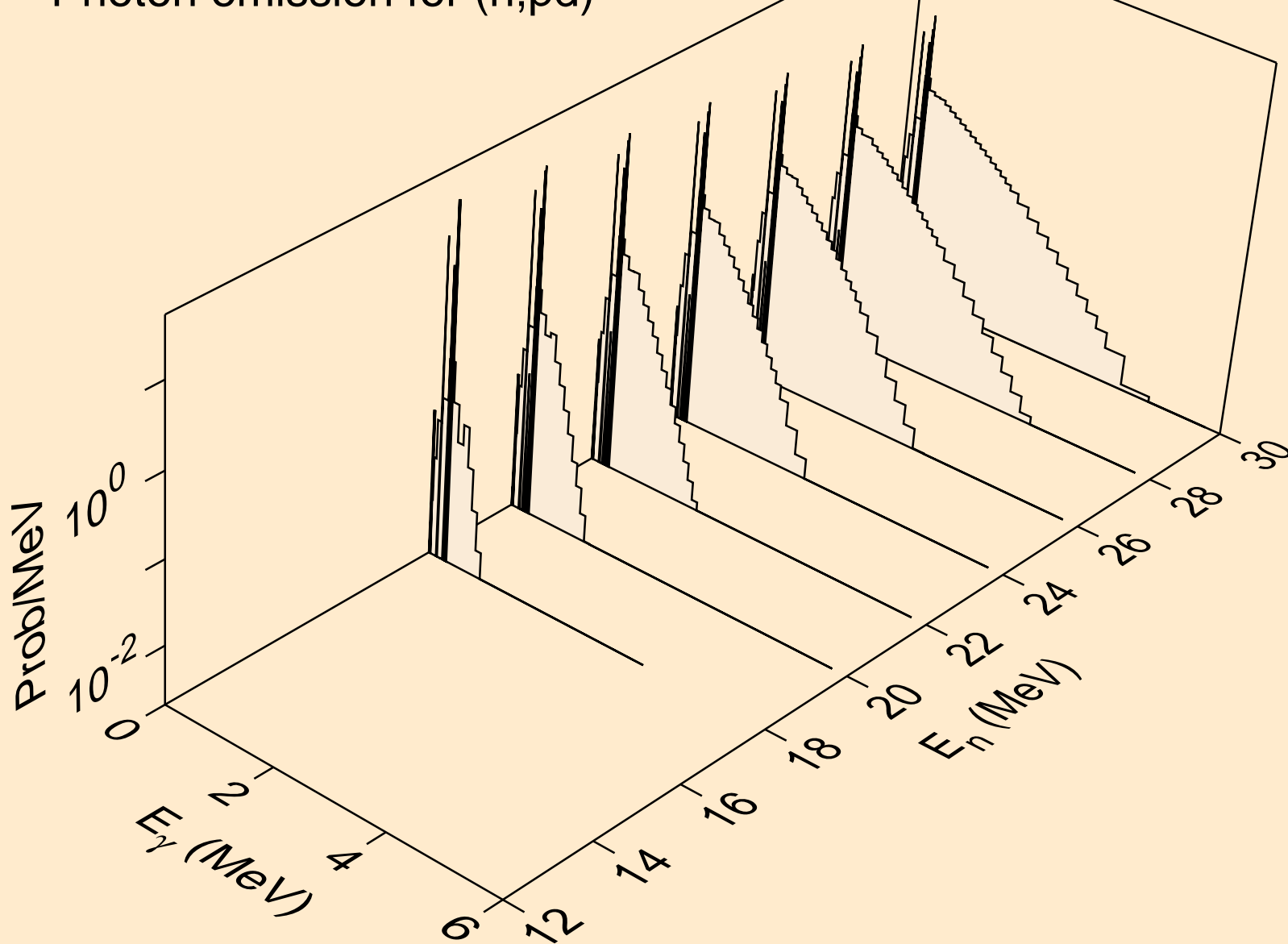
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Photon emission for (n,2p)



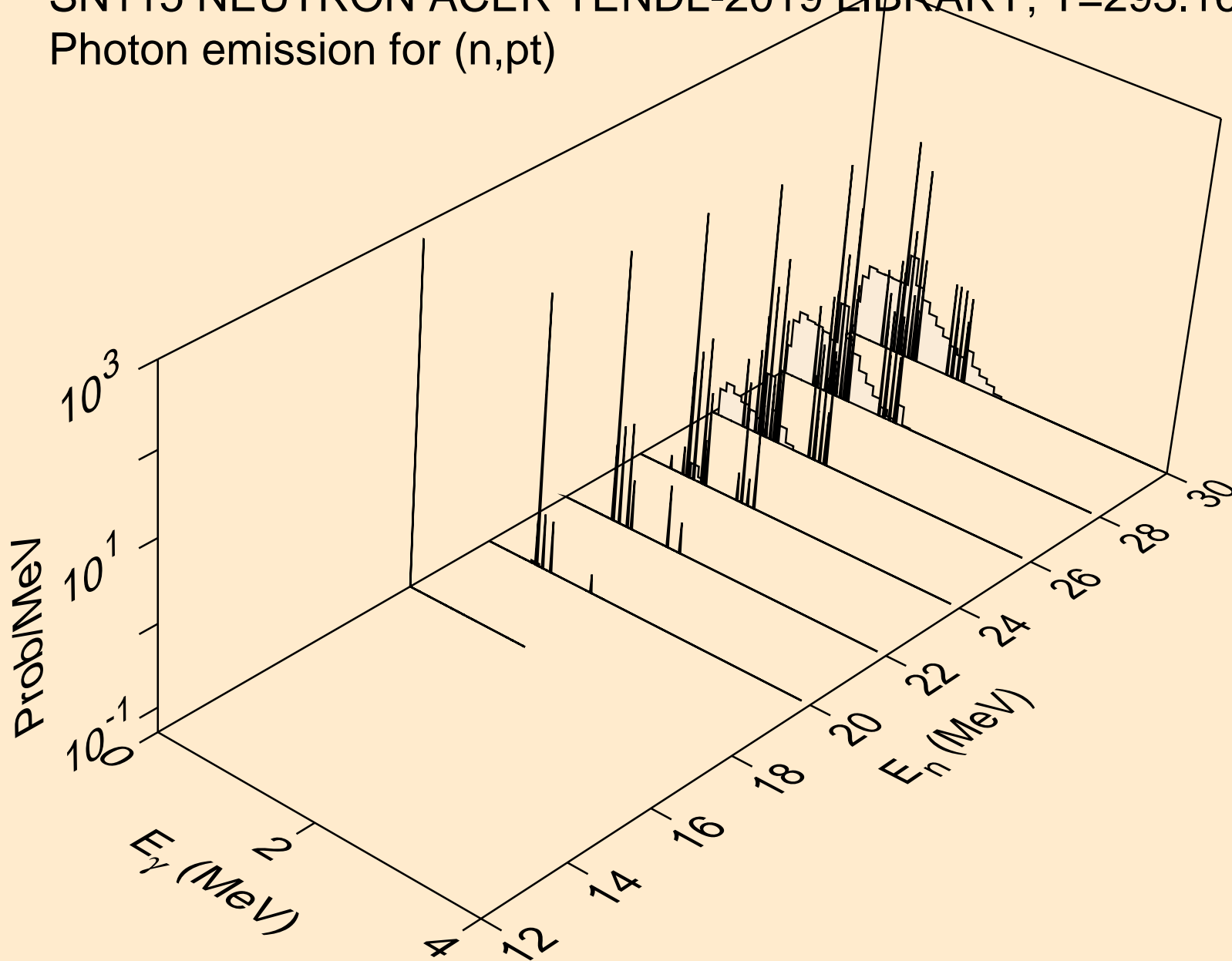
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Photon emission for (n,p)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

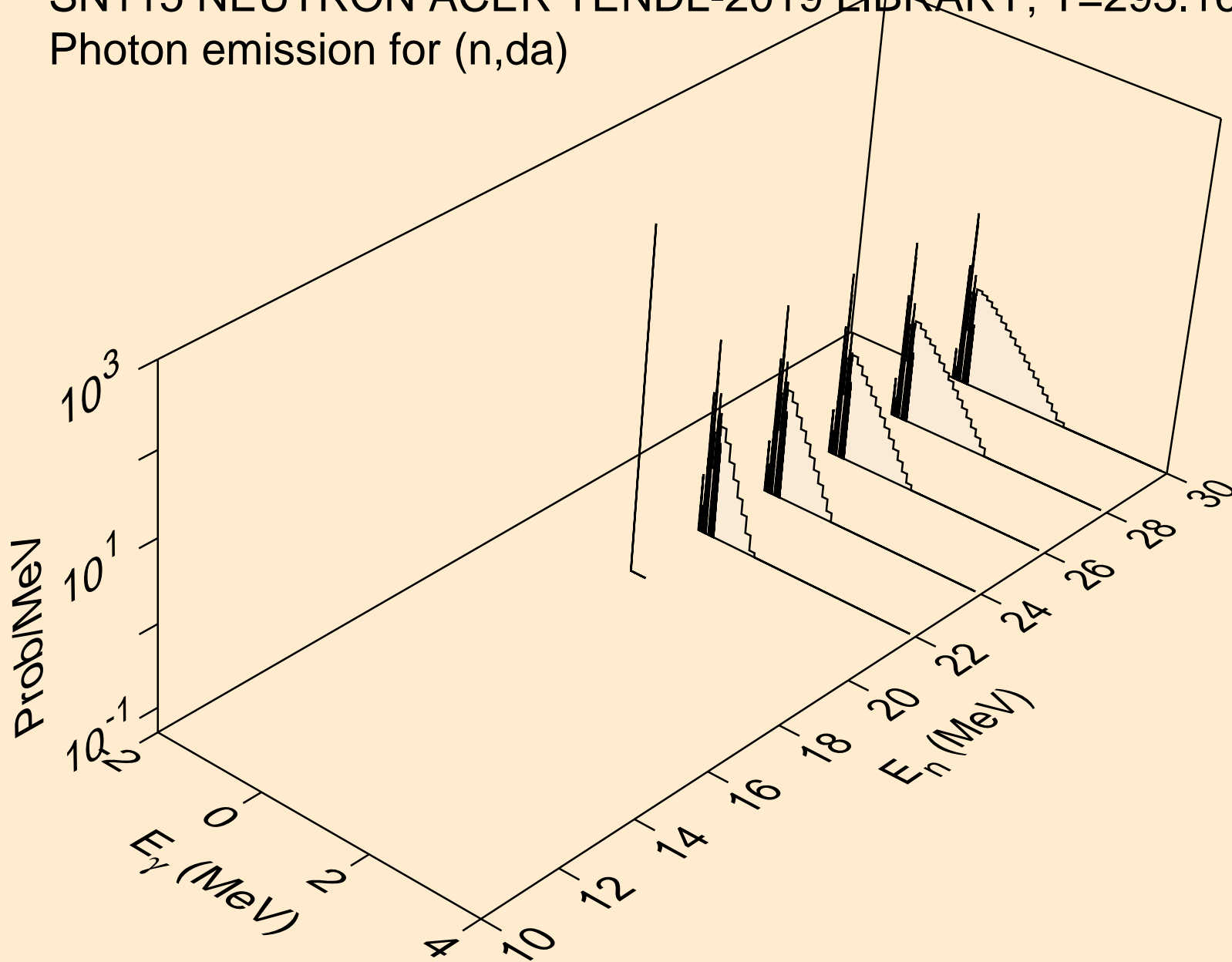


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

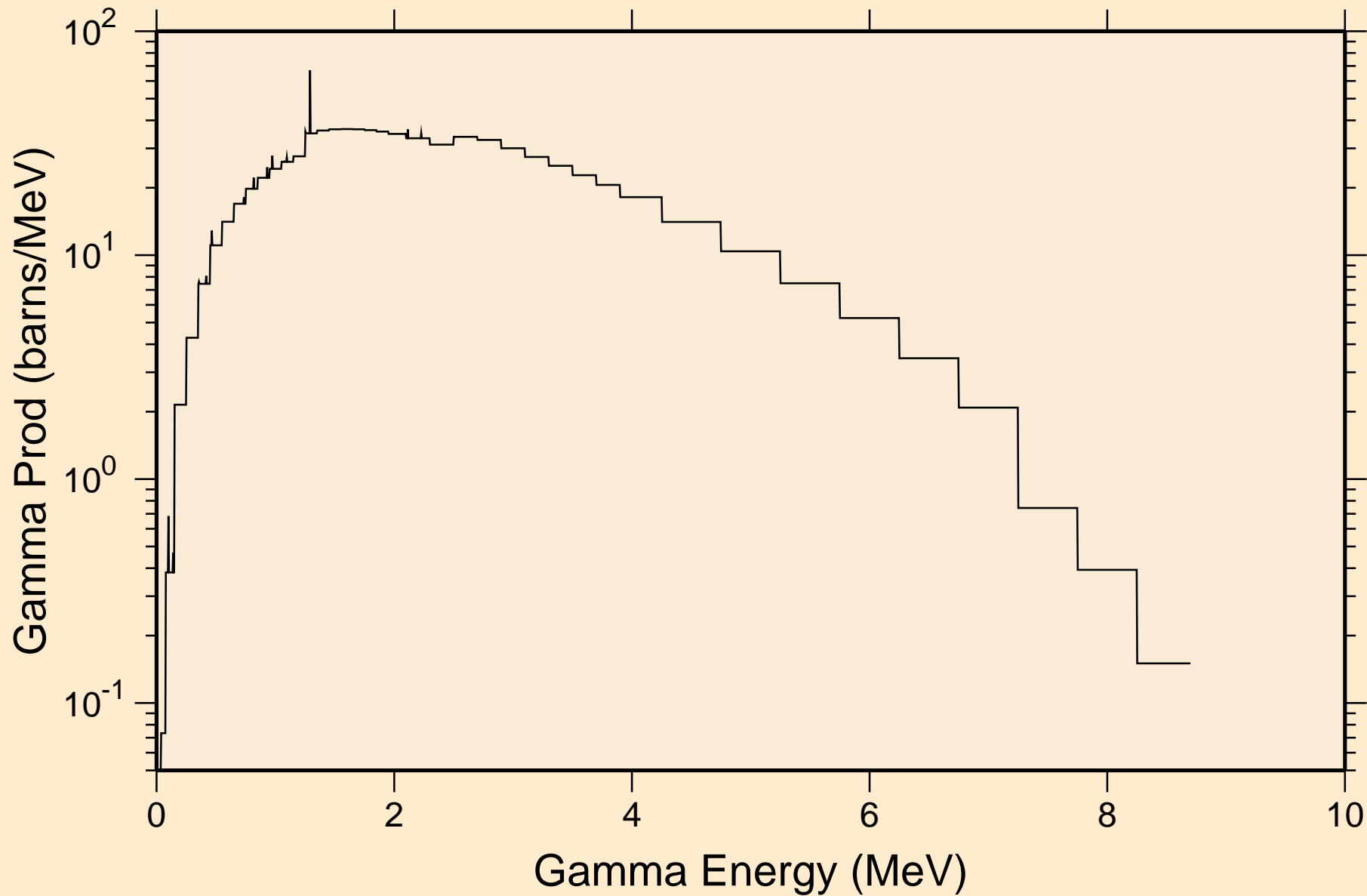




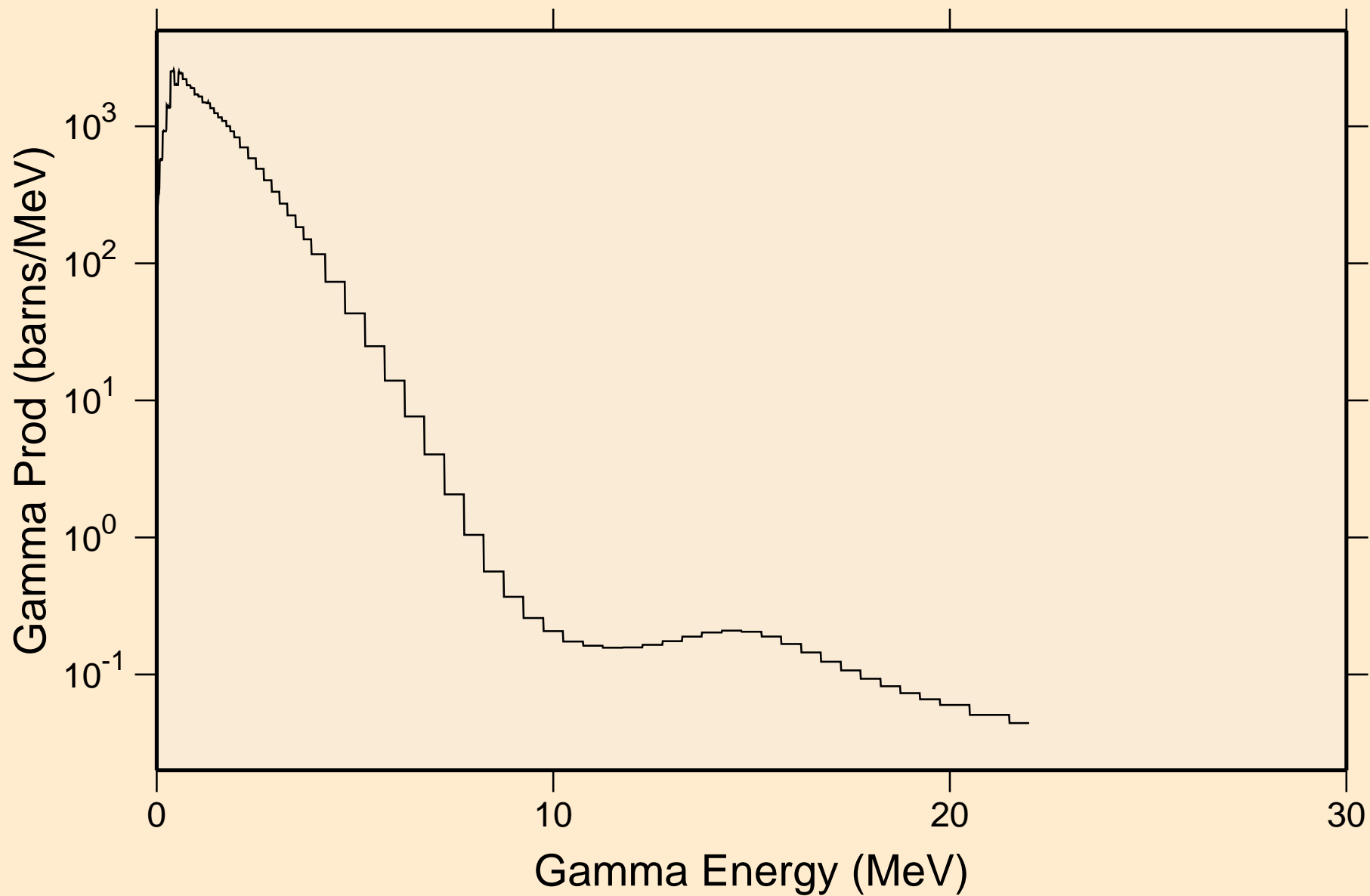
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

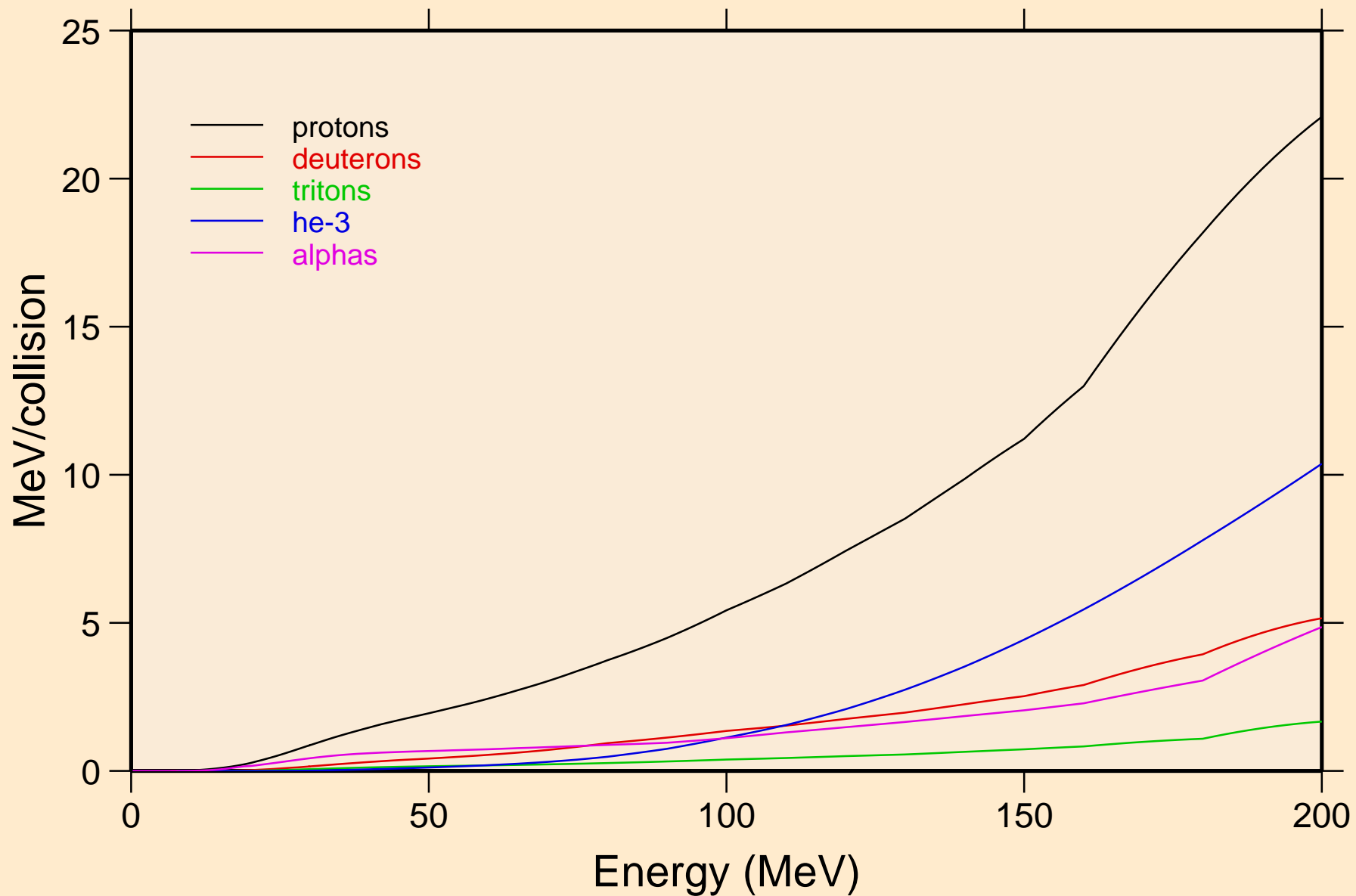


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



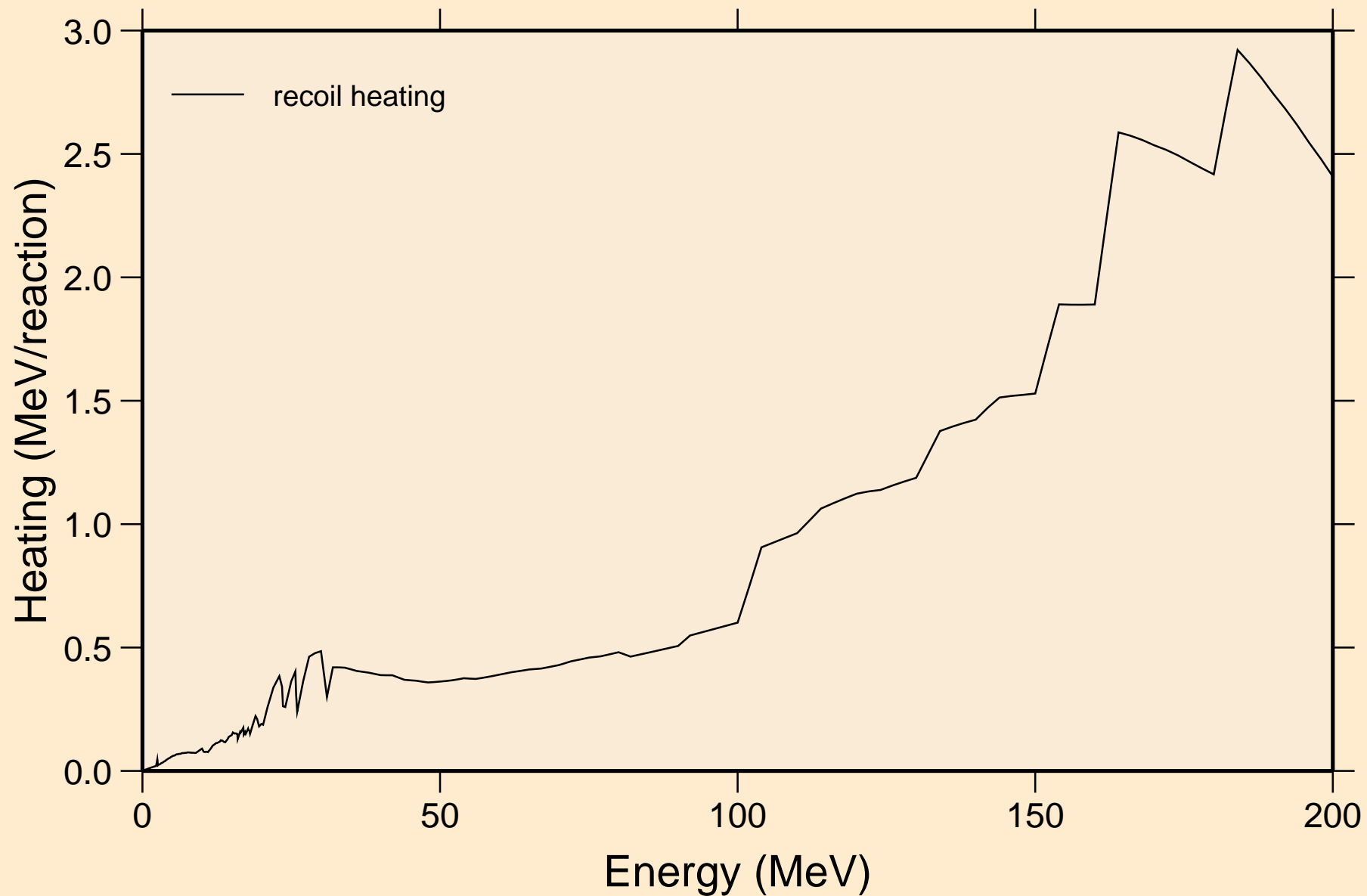
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



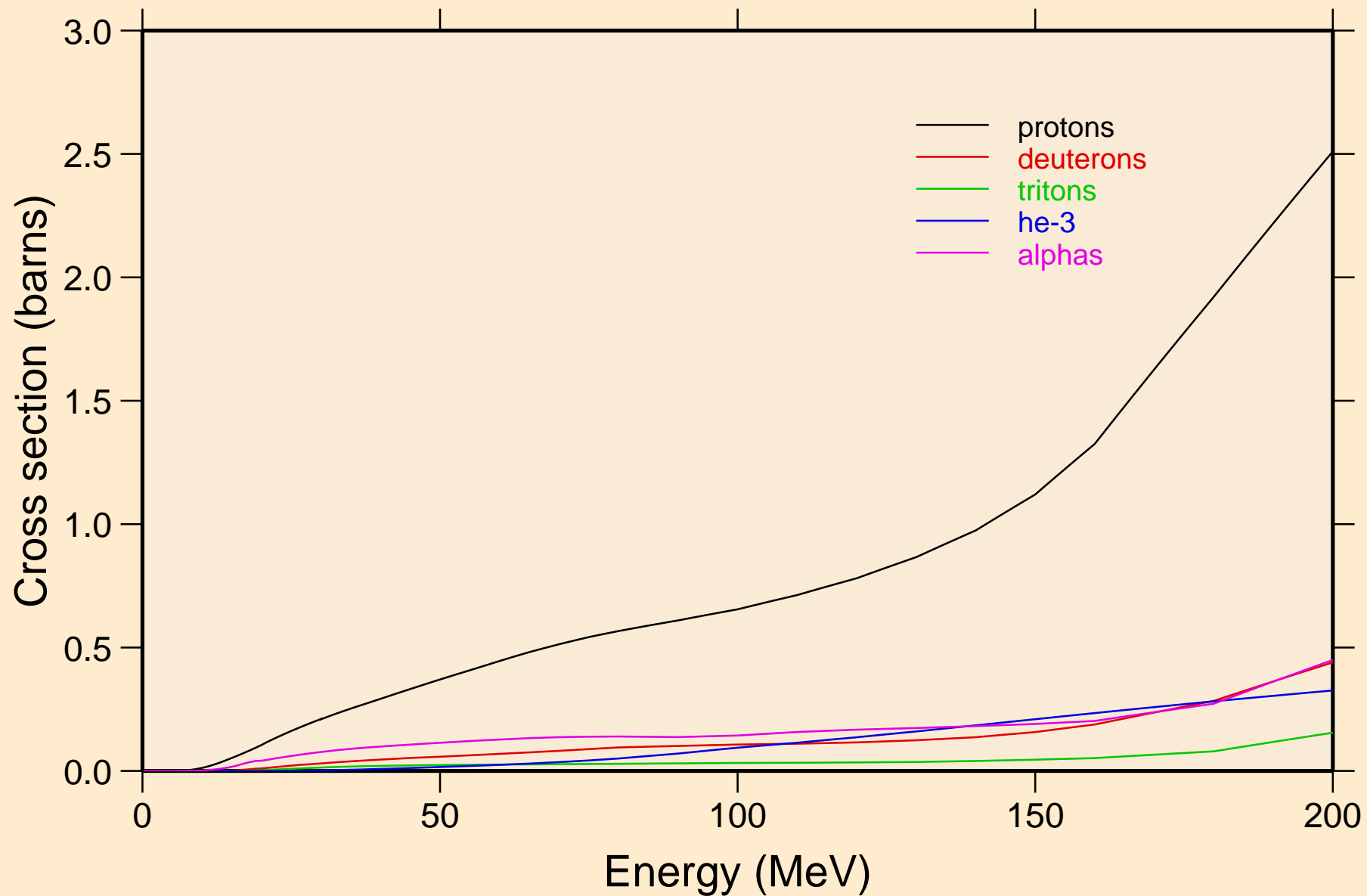
# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Recoil Heating

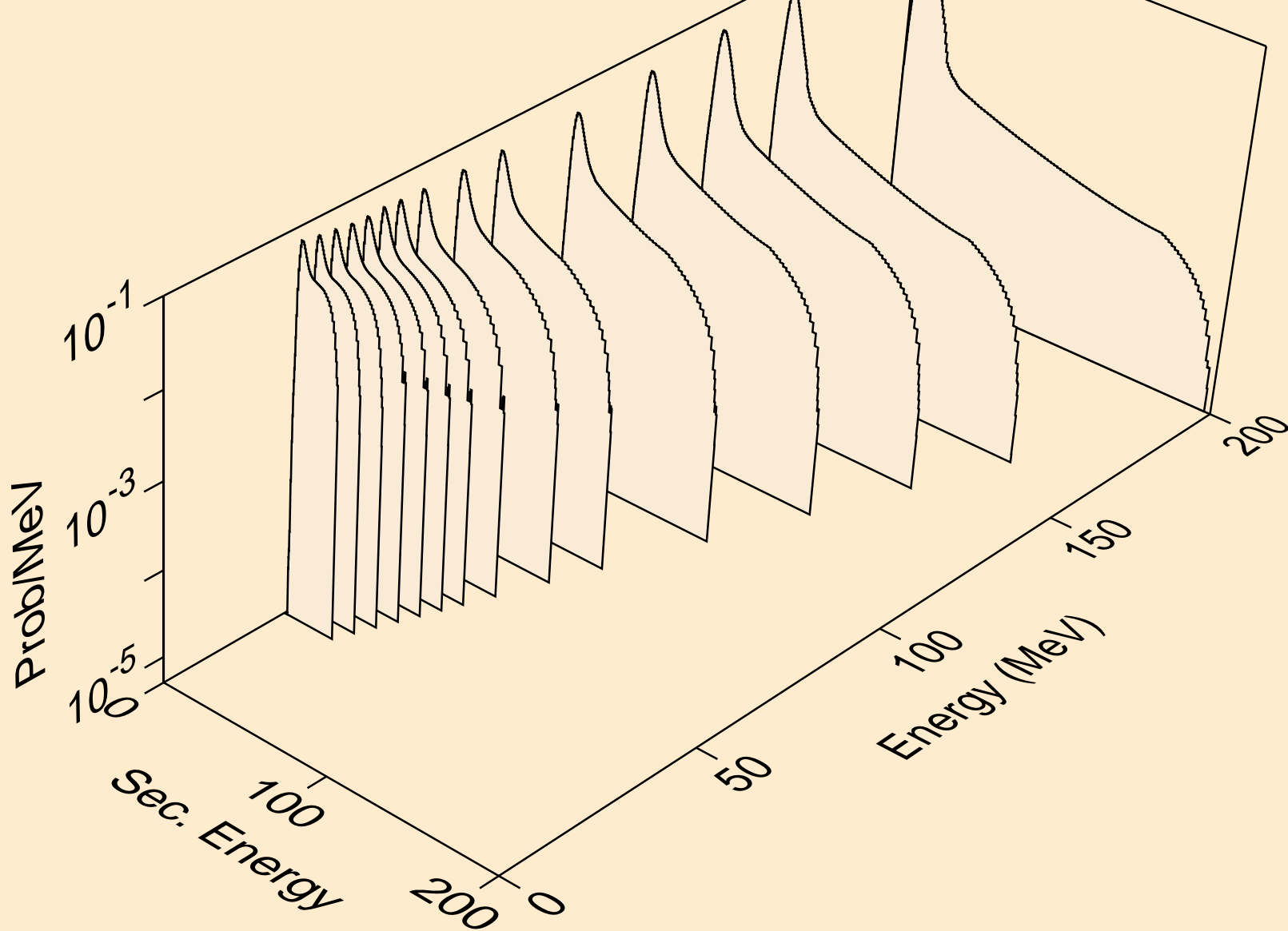


# SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

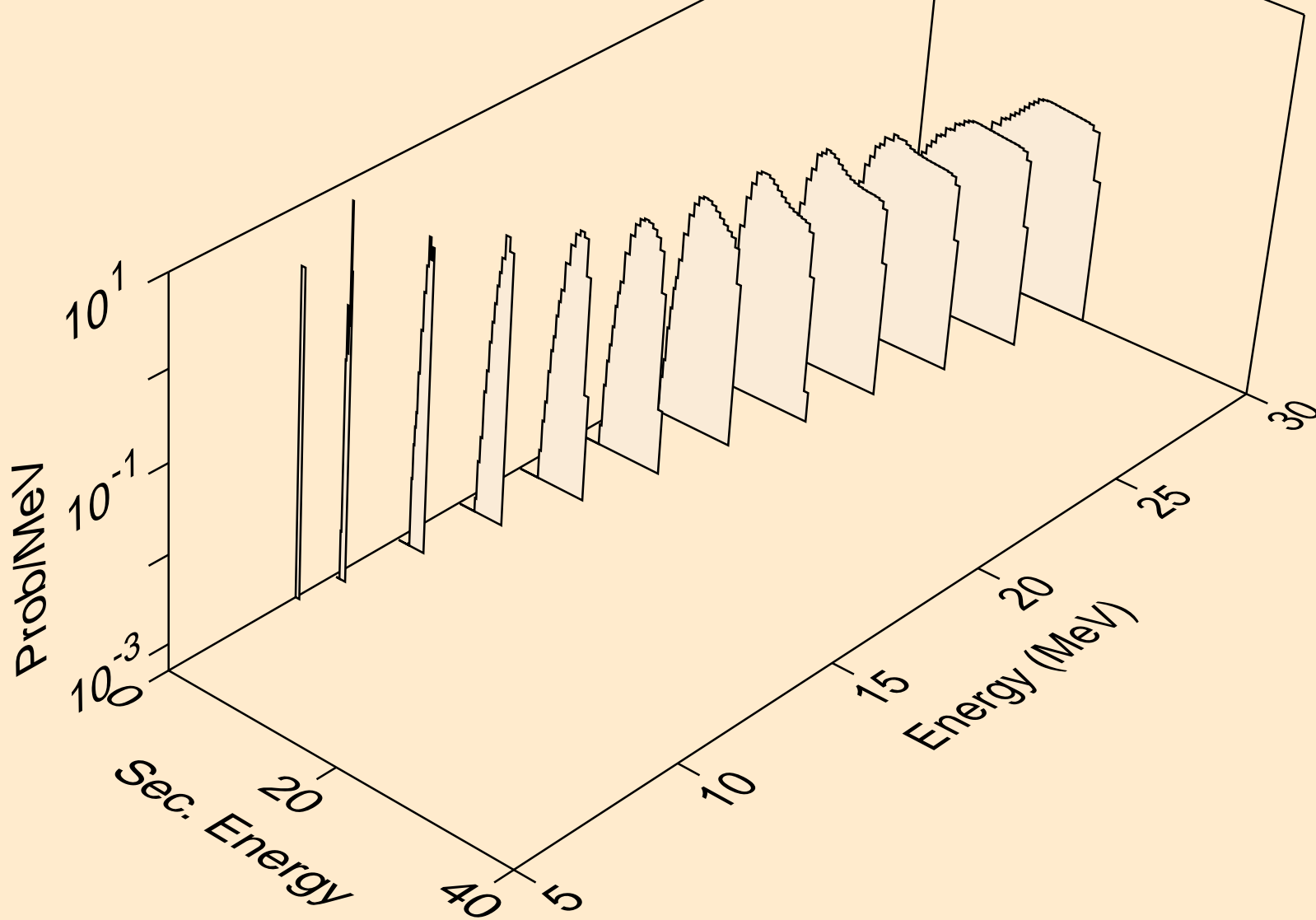
## Particle production cross sections



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

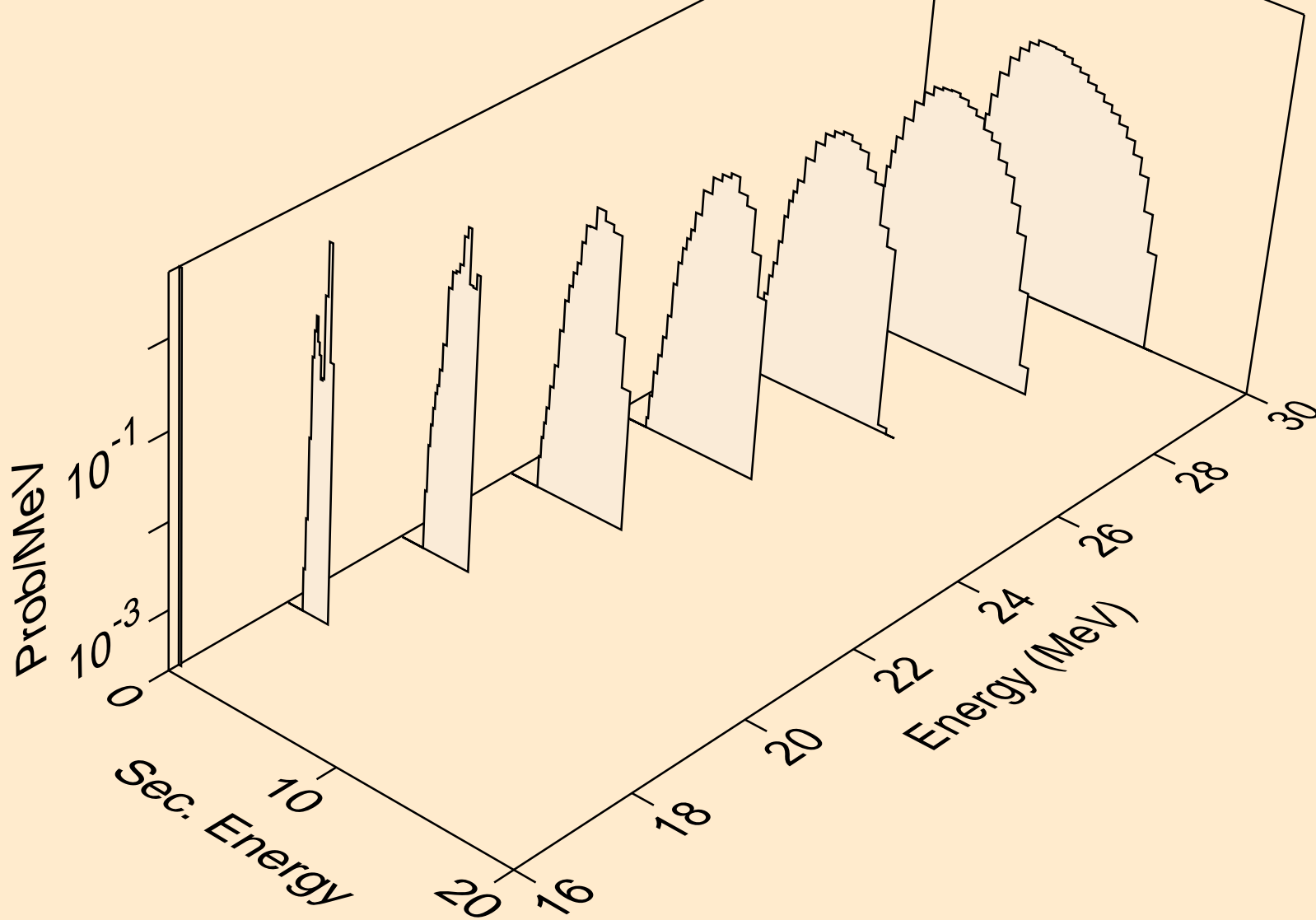


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

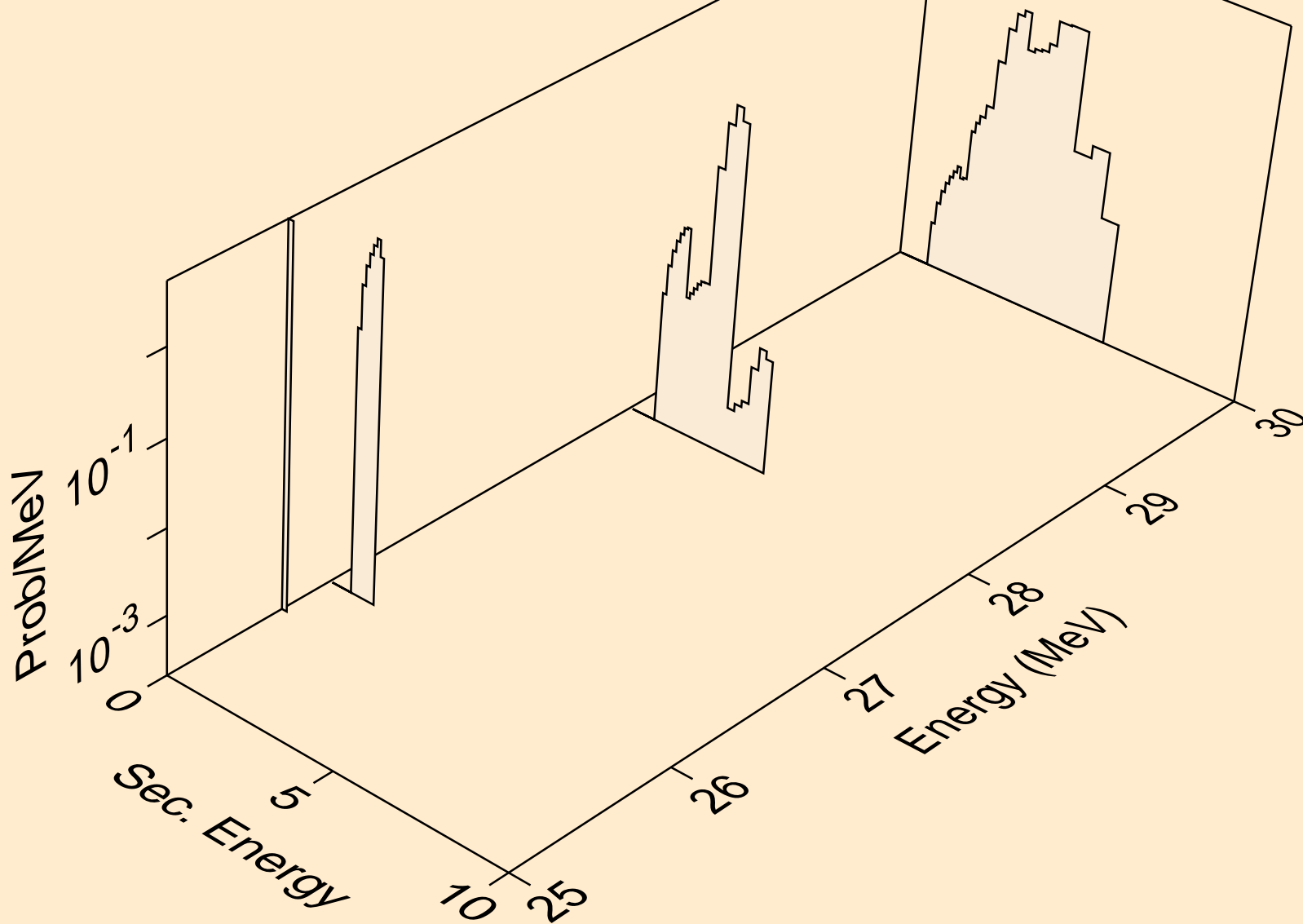




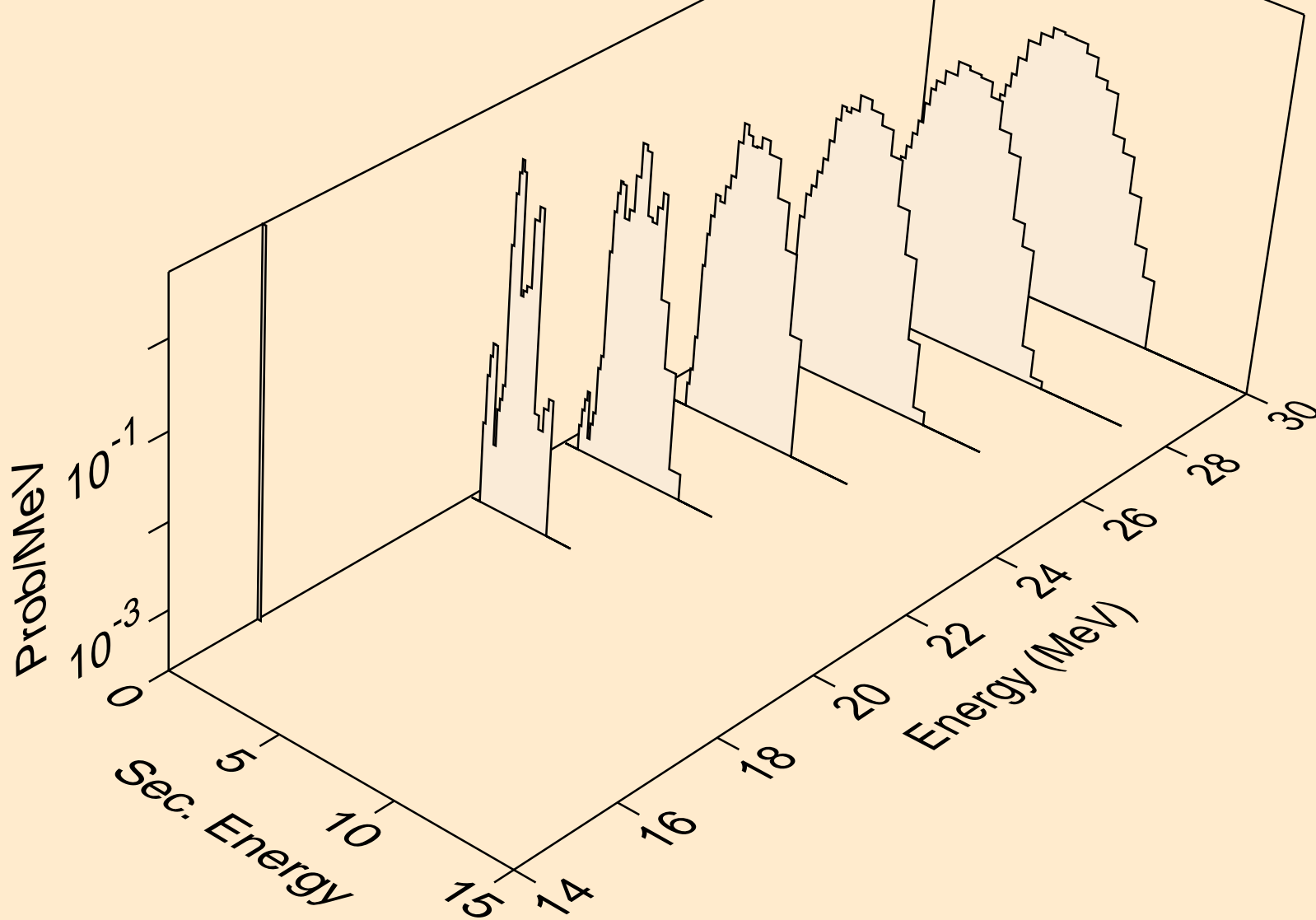
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protons from (n,2np)



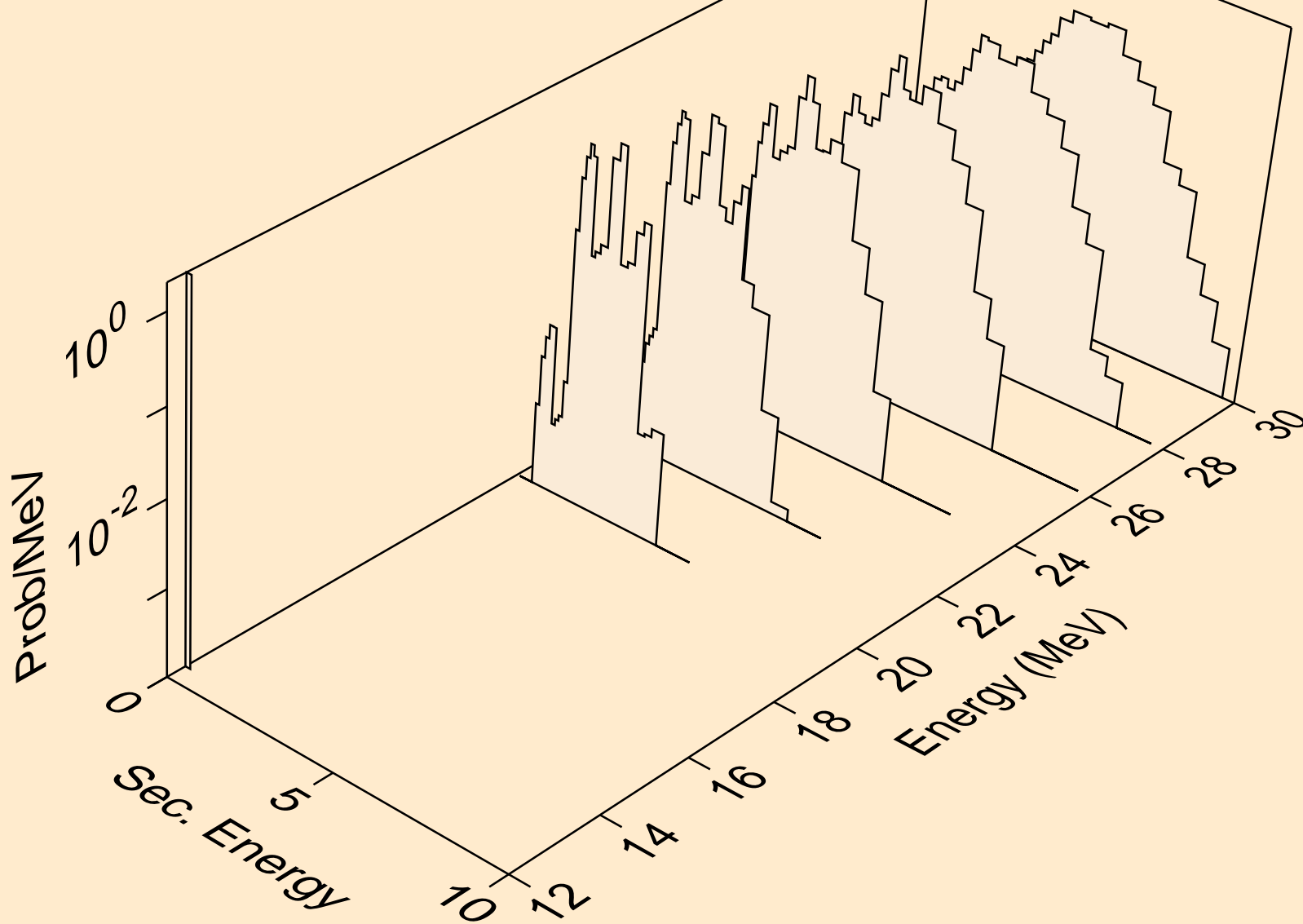
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protons from (n,3np)



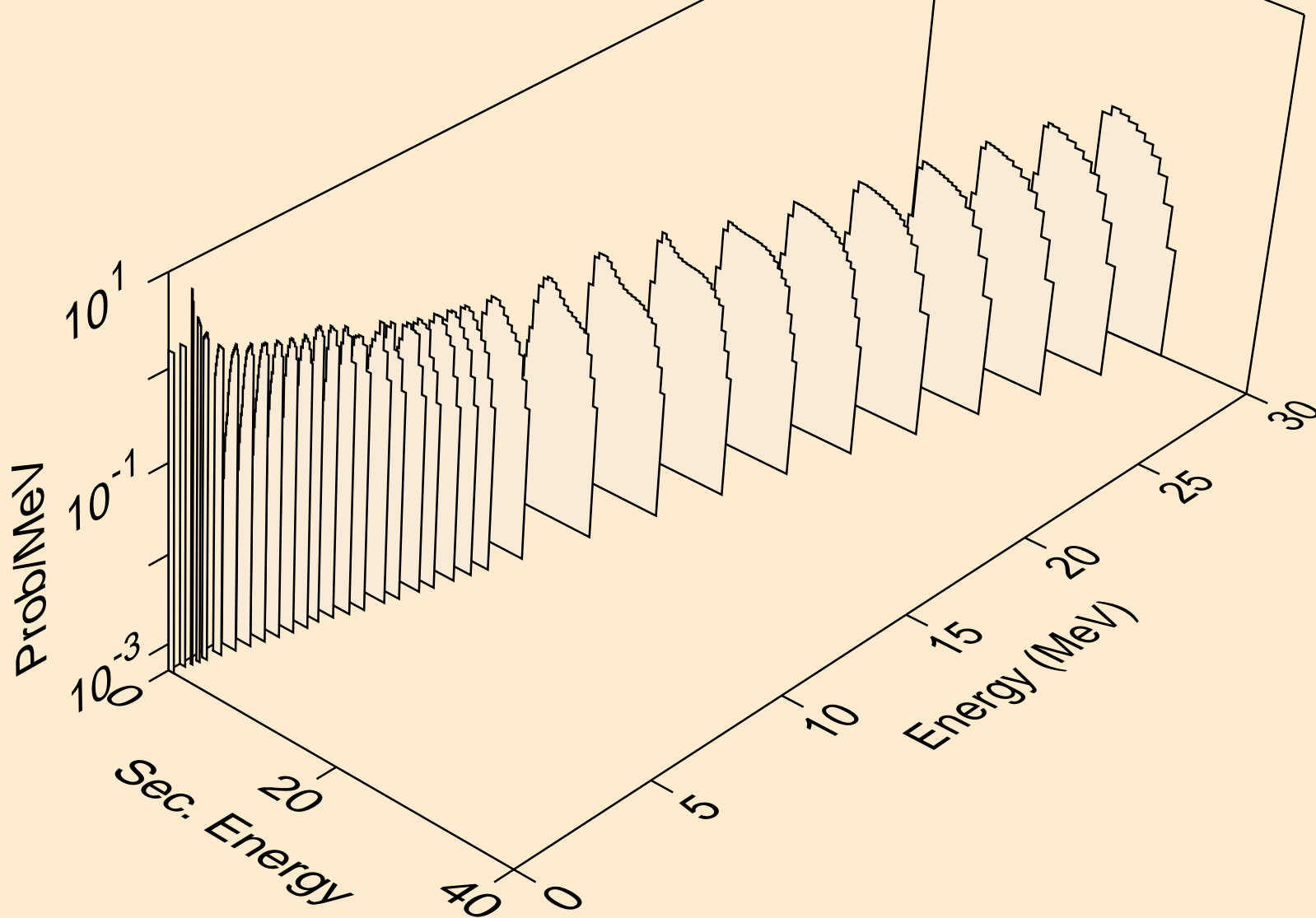
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protons from (n,2np)



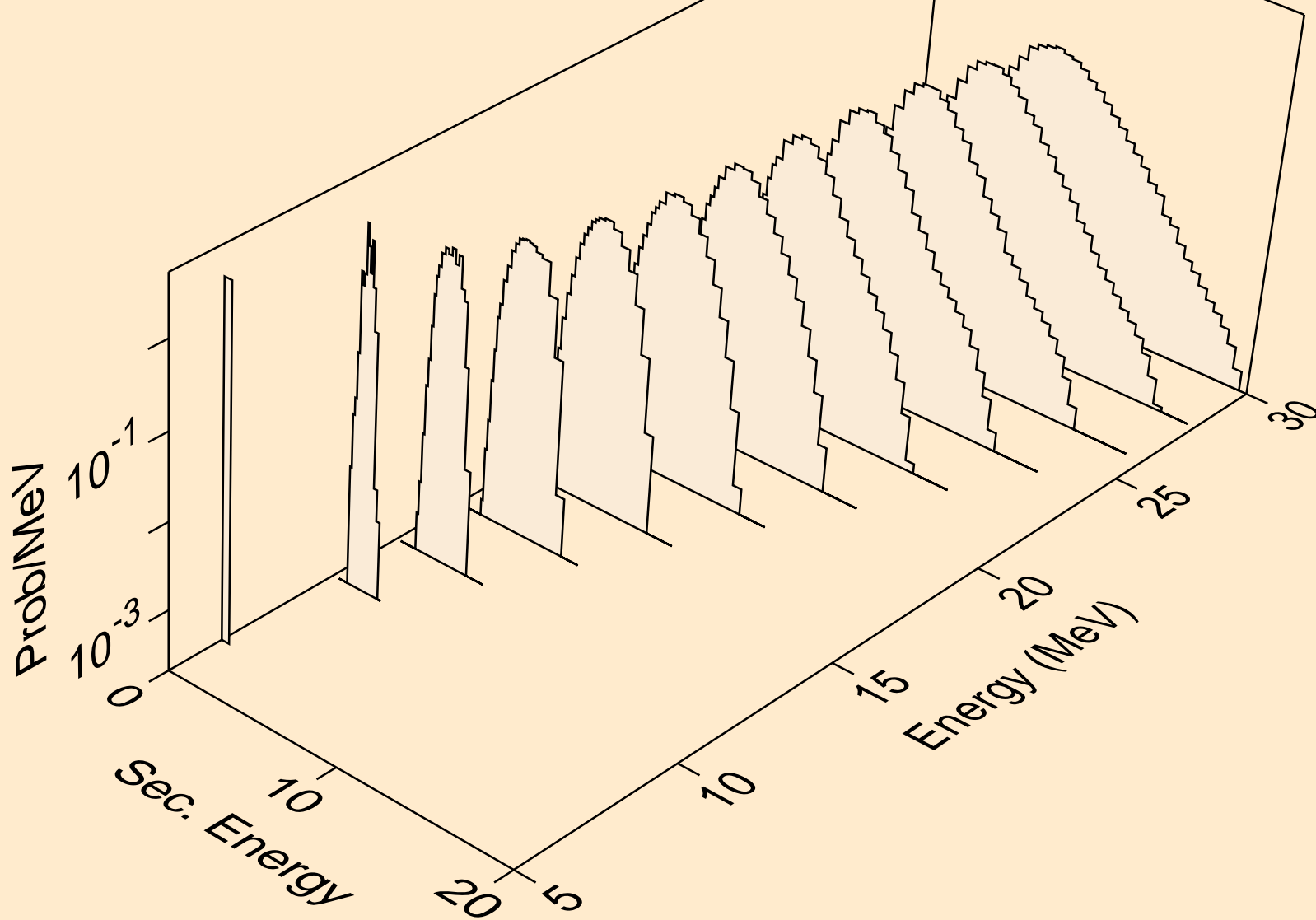
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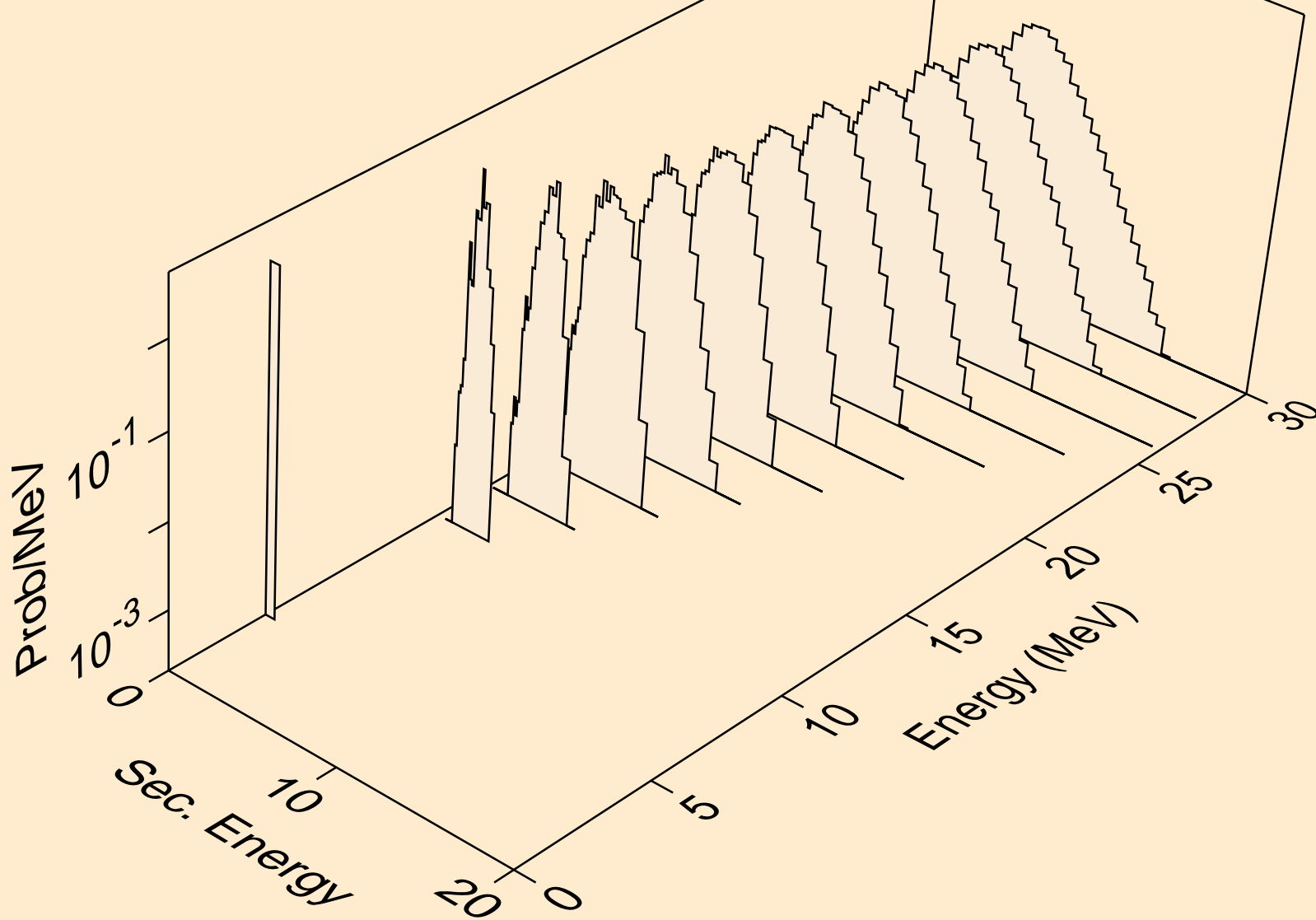
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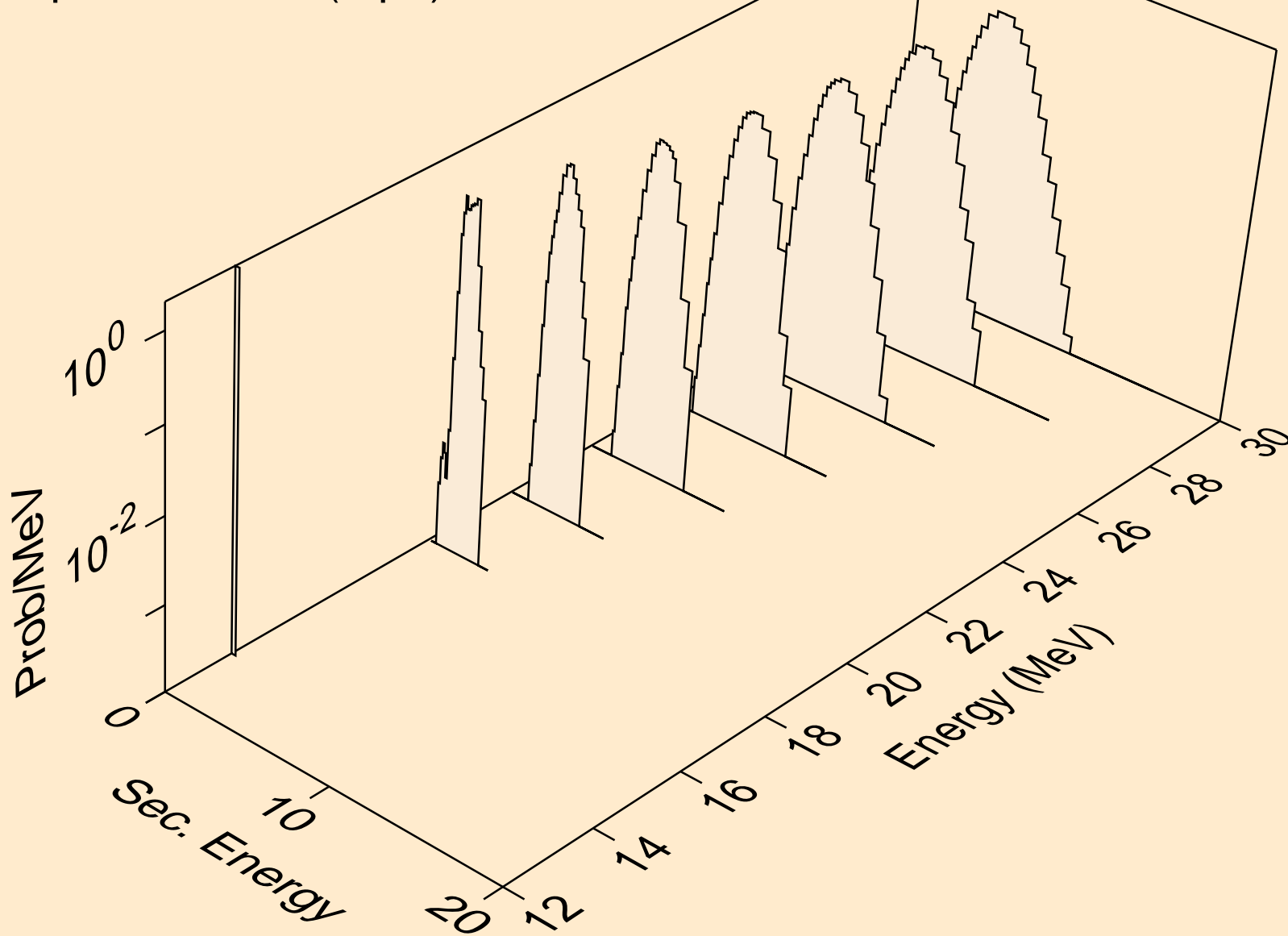
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protons from (n,2p)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pa)

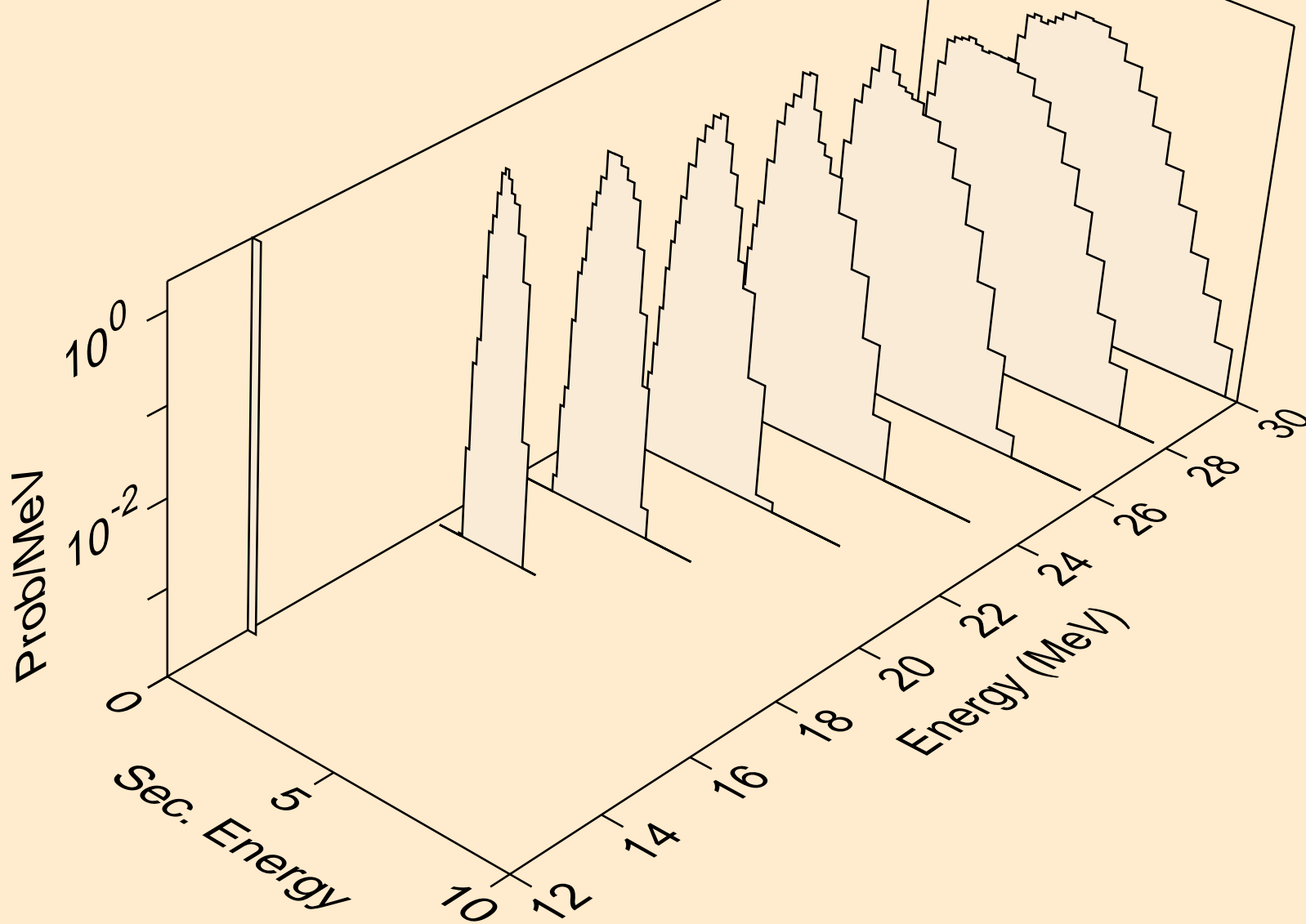


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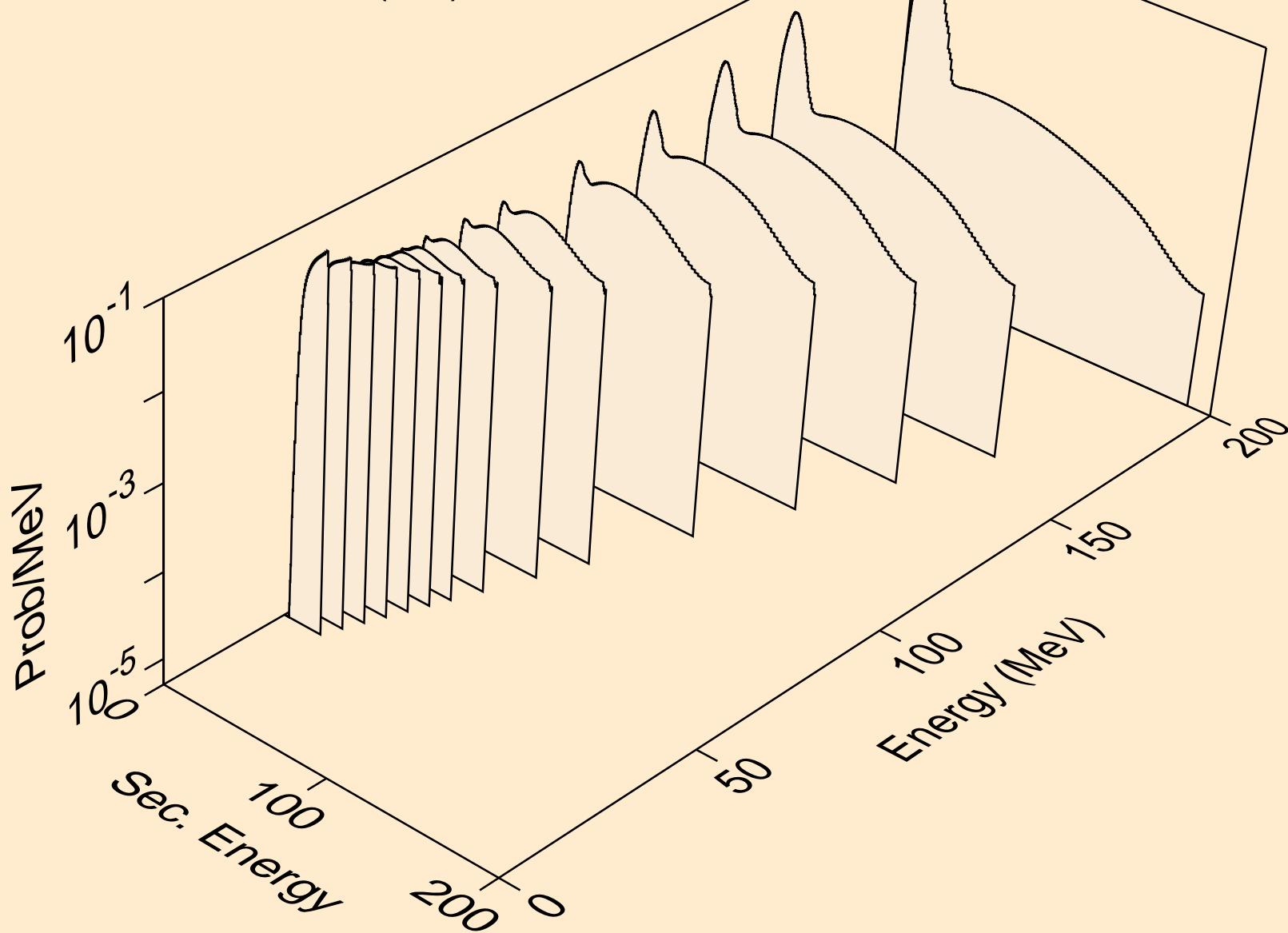




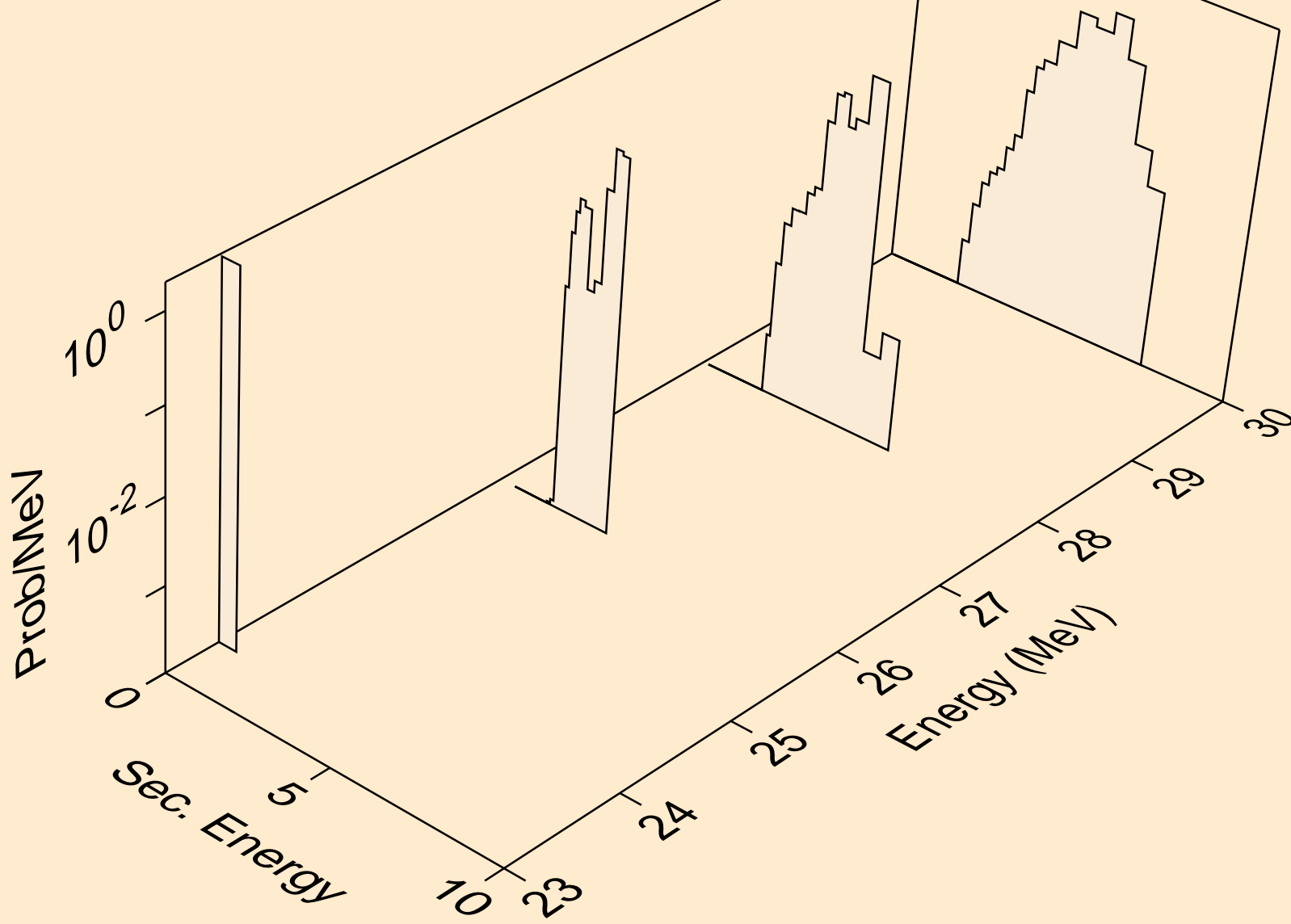
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protons from (n,pt)



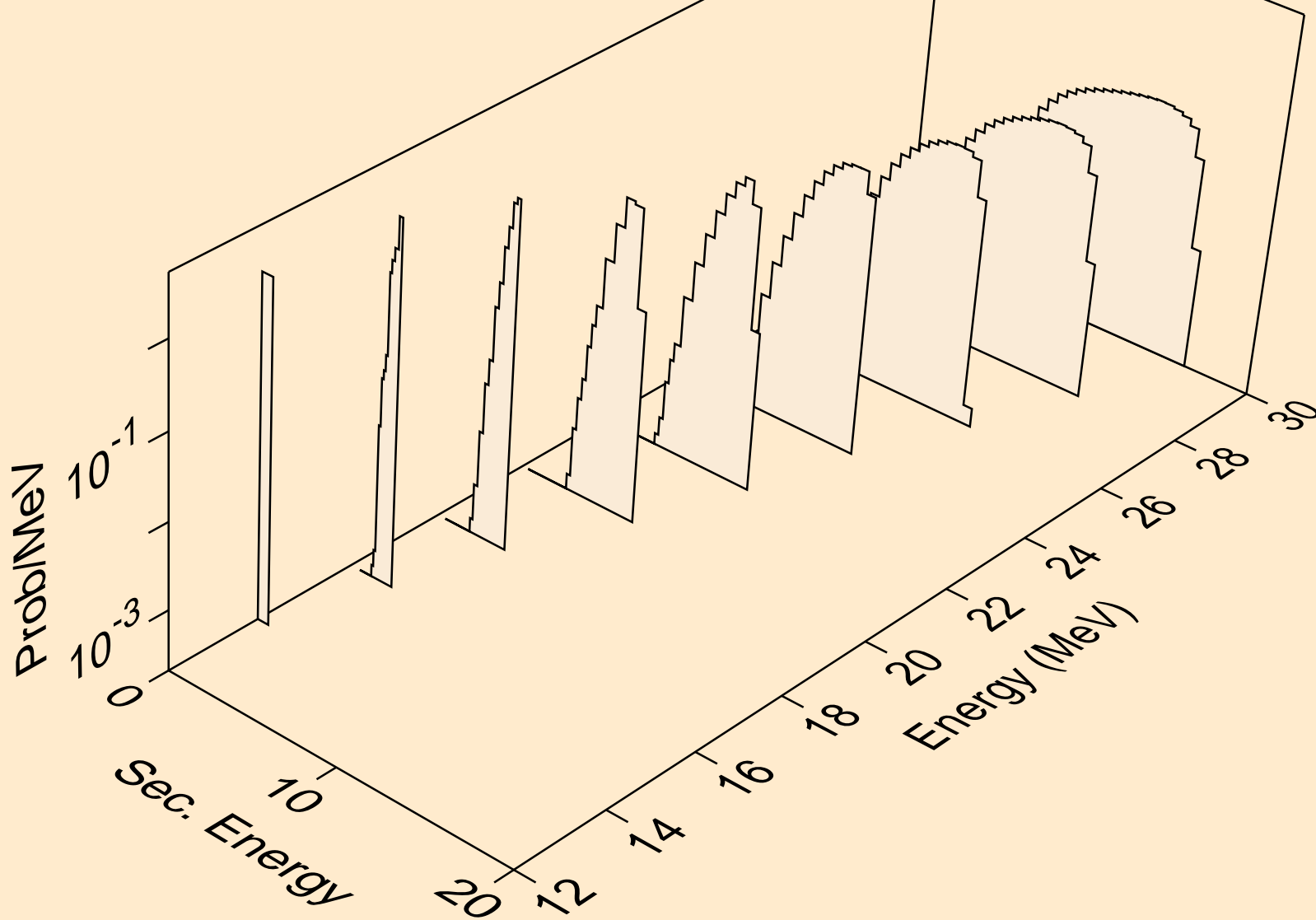
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deuterons from (n,x)



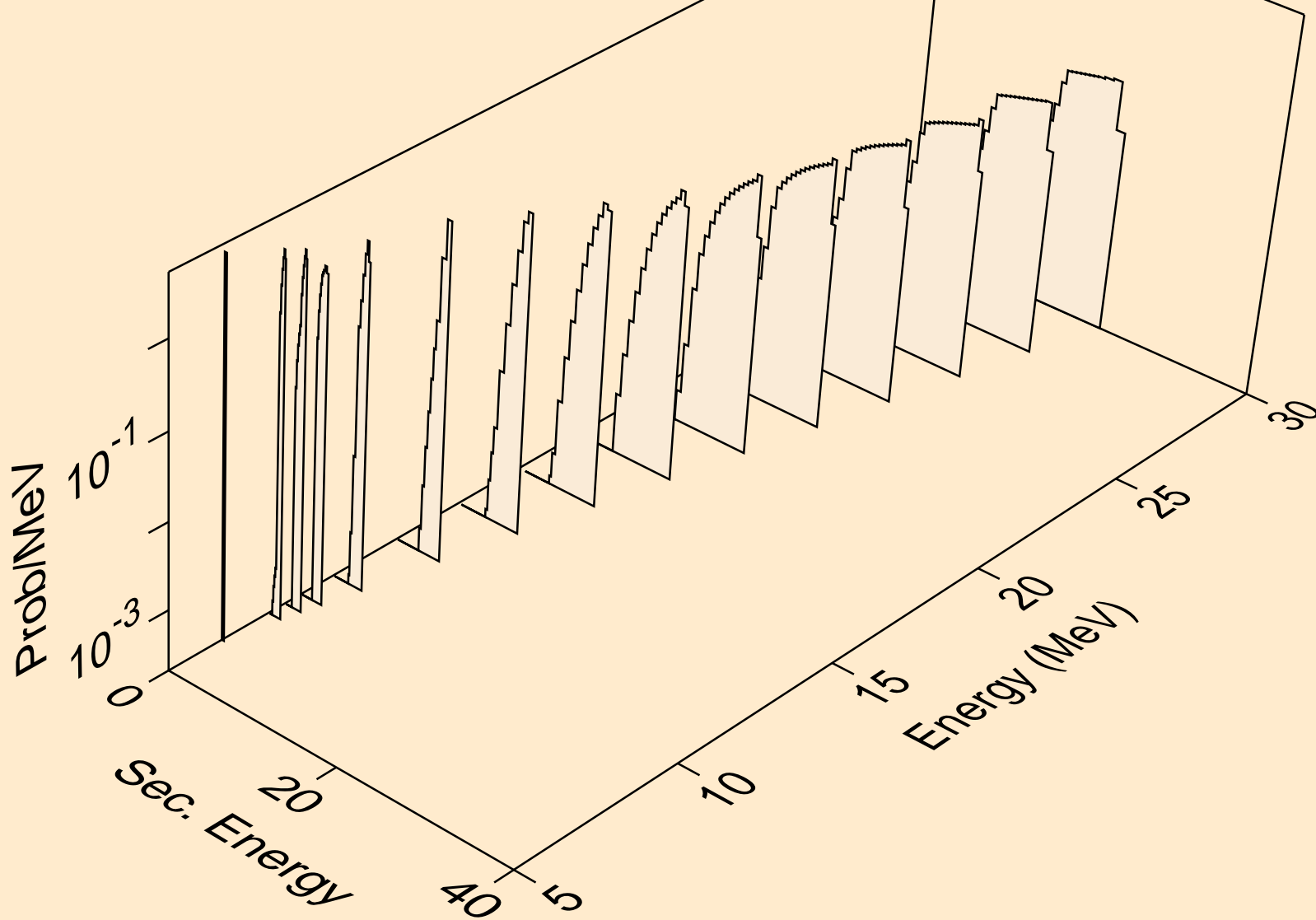
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deuterons from (n,2nd)



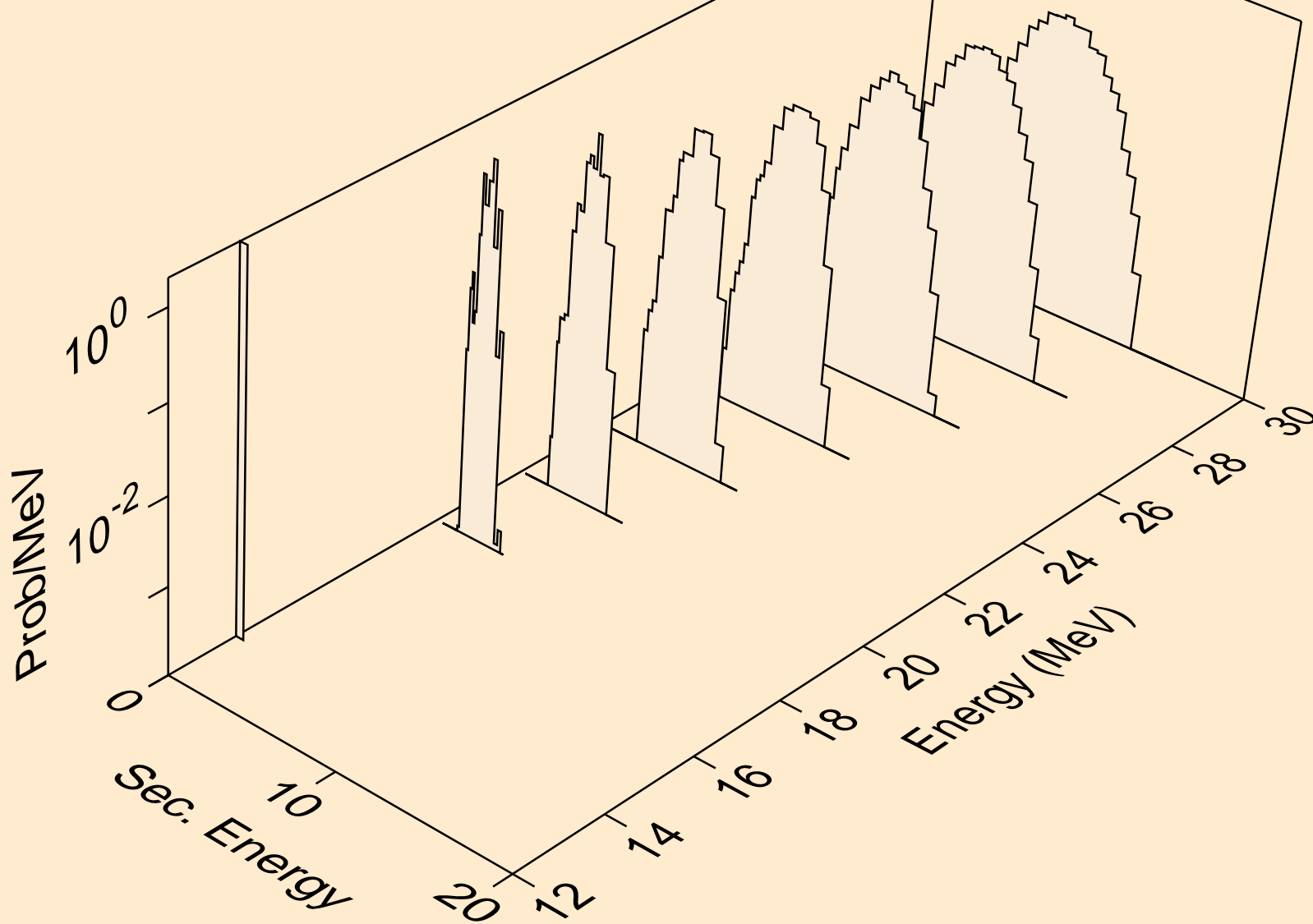
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deuterons from (n,n\*)d



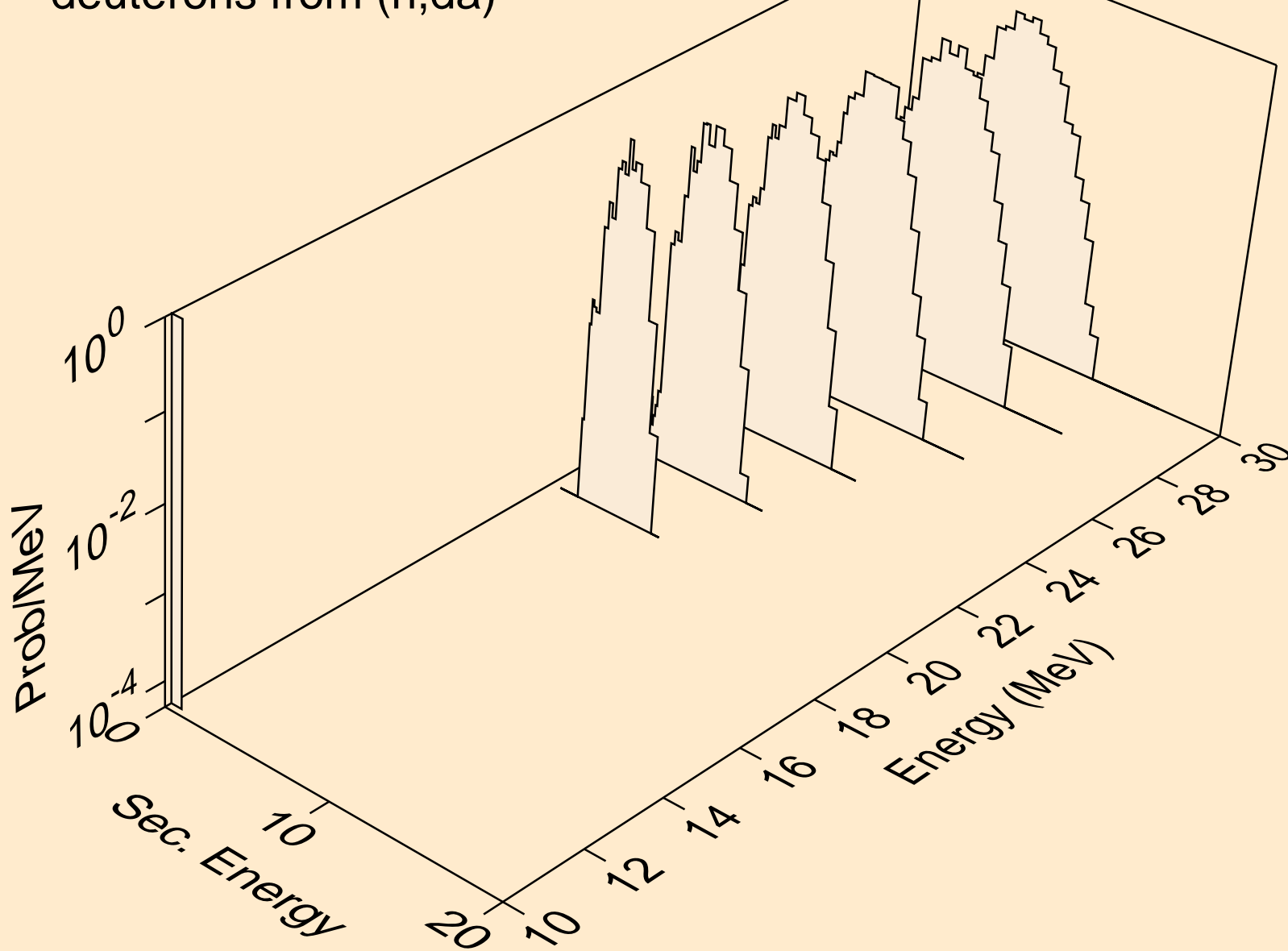
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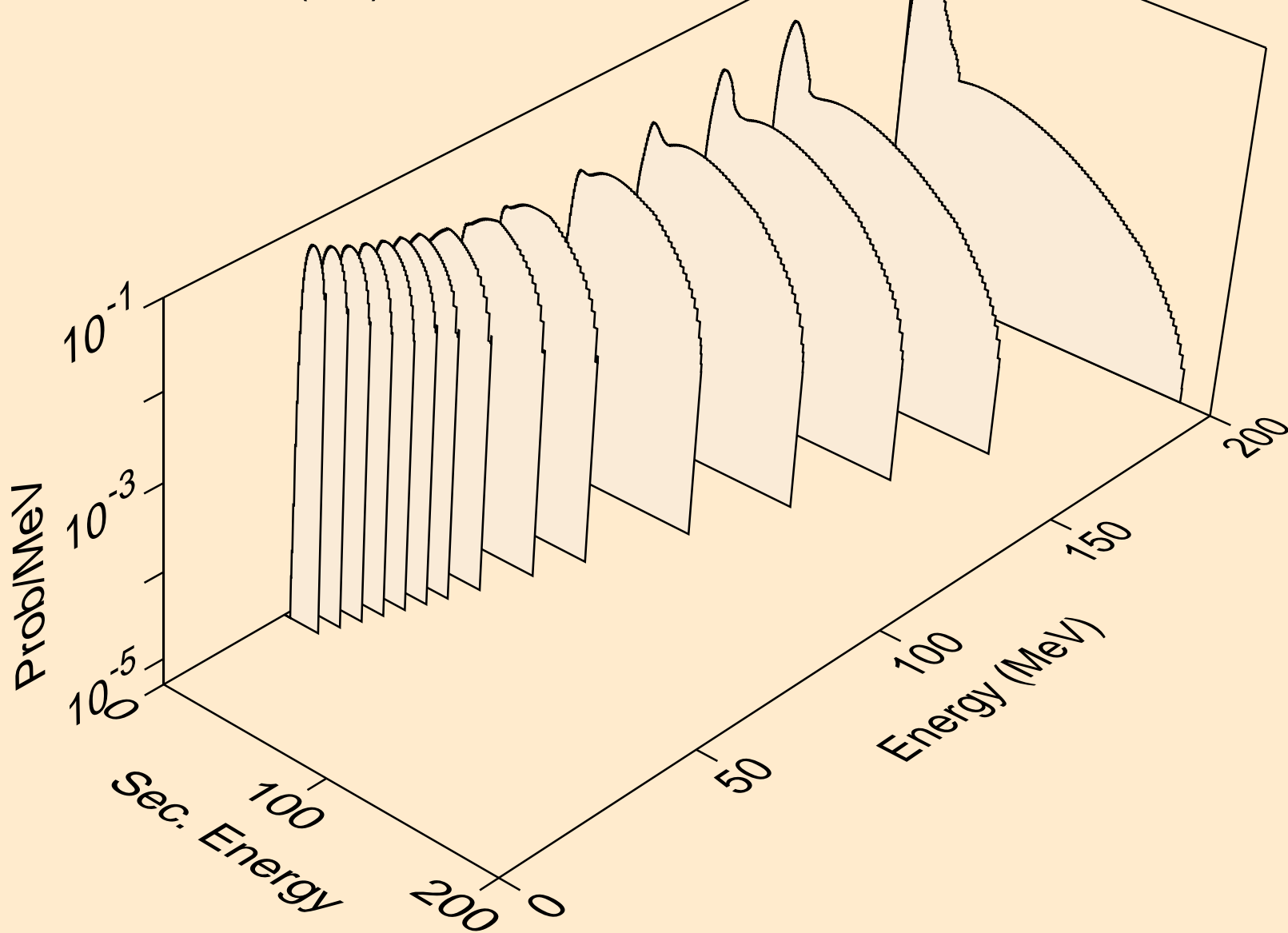
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deuterons from (n,pd)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

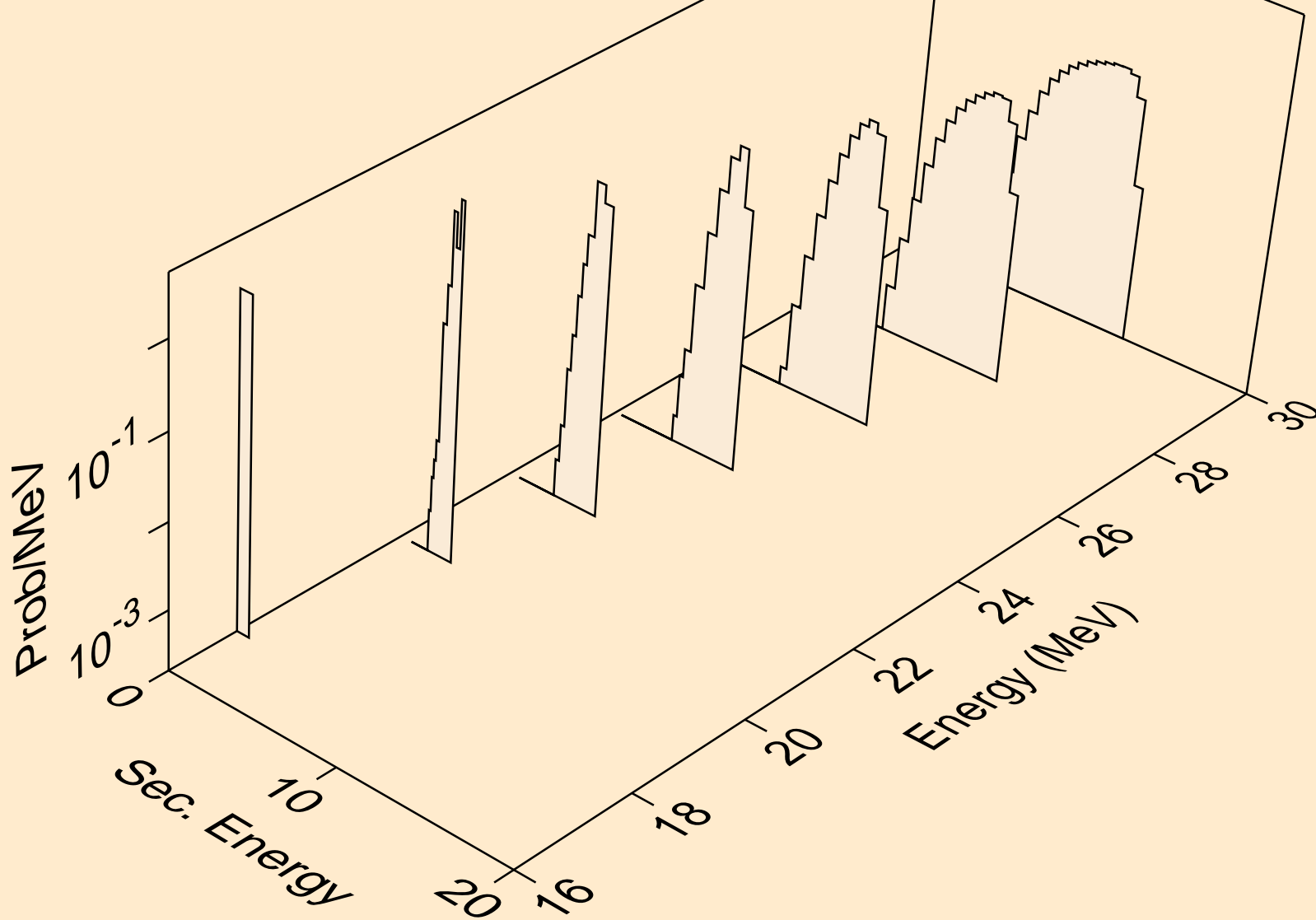


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tritons from (n,x)

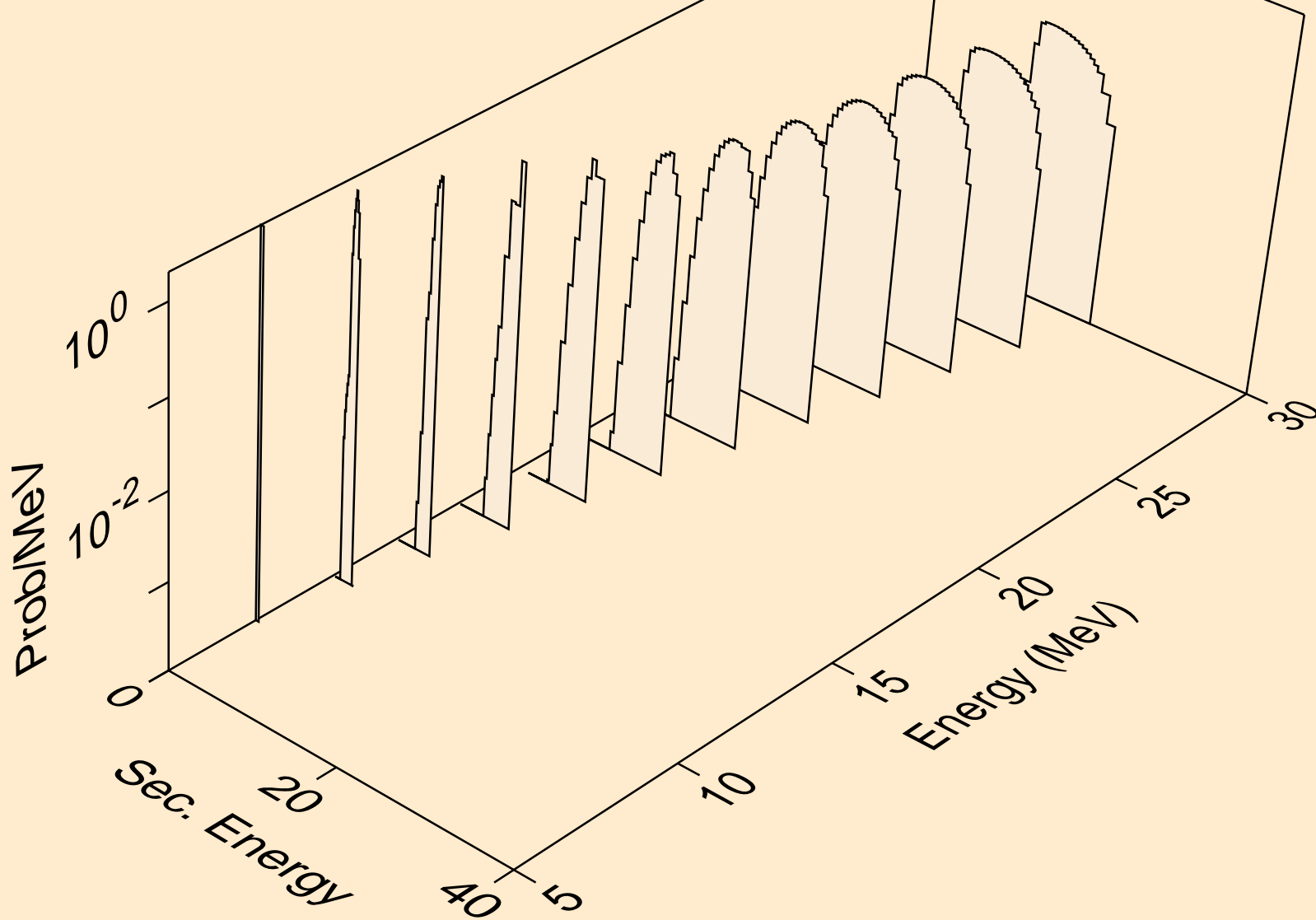




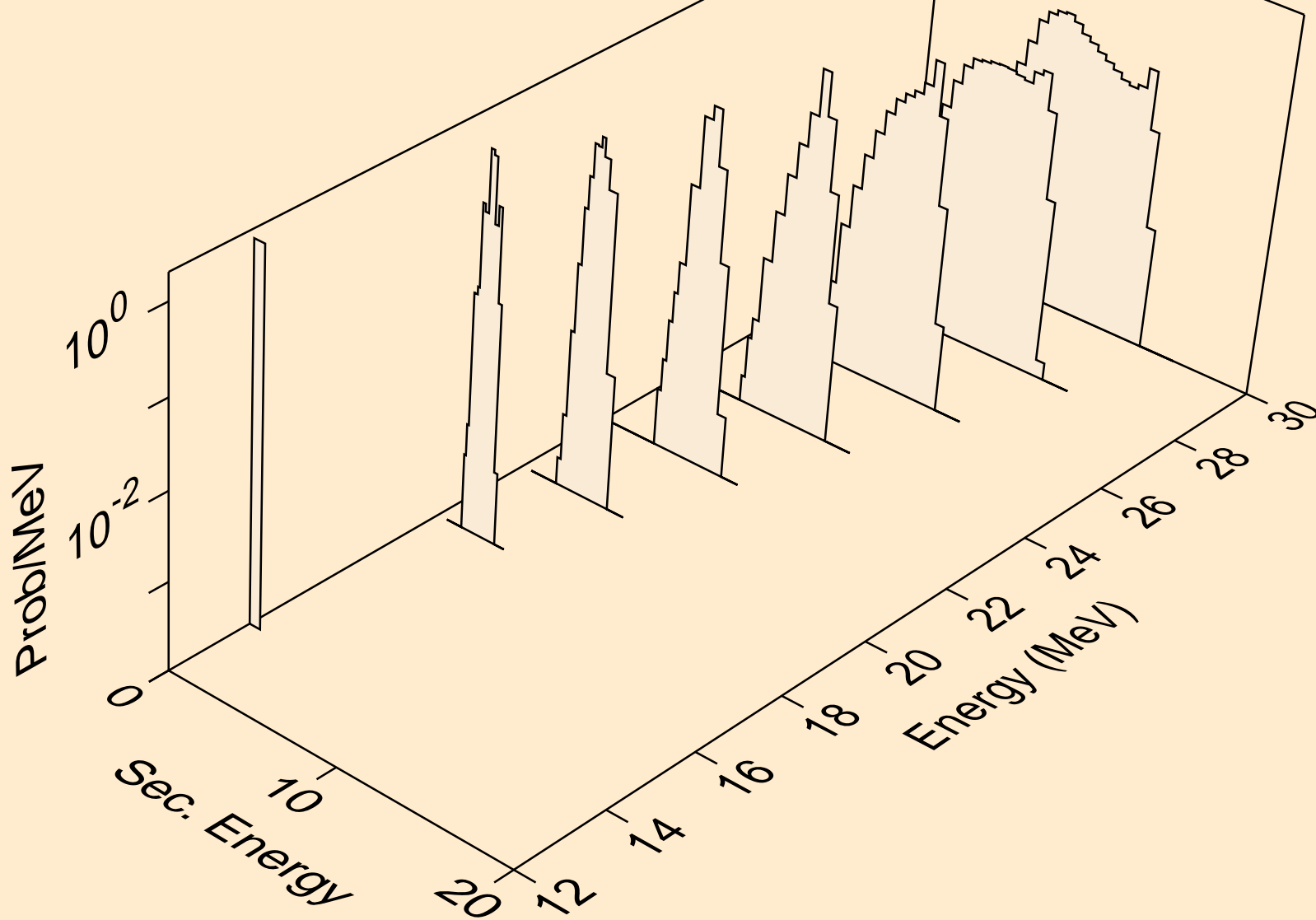
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tritons from (n,n\*)t



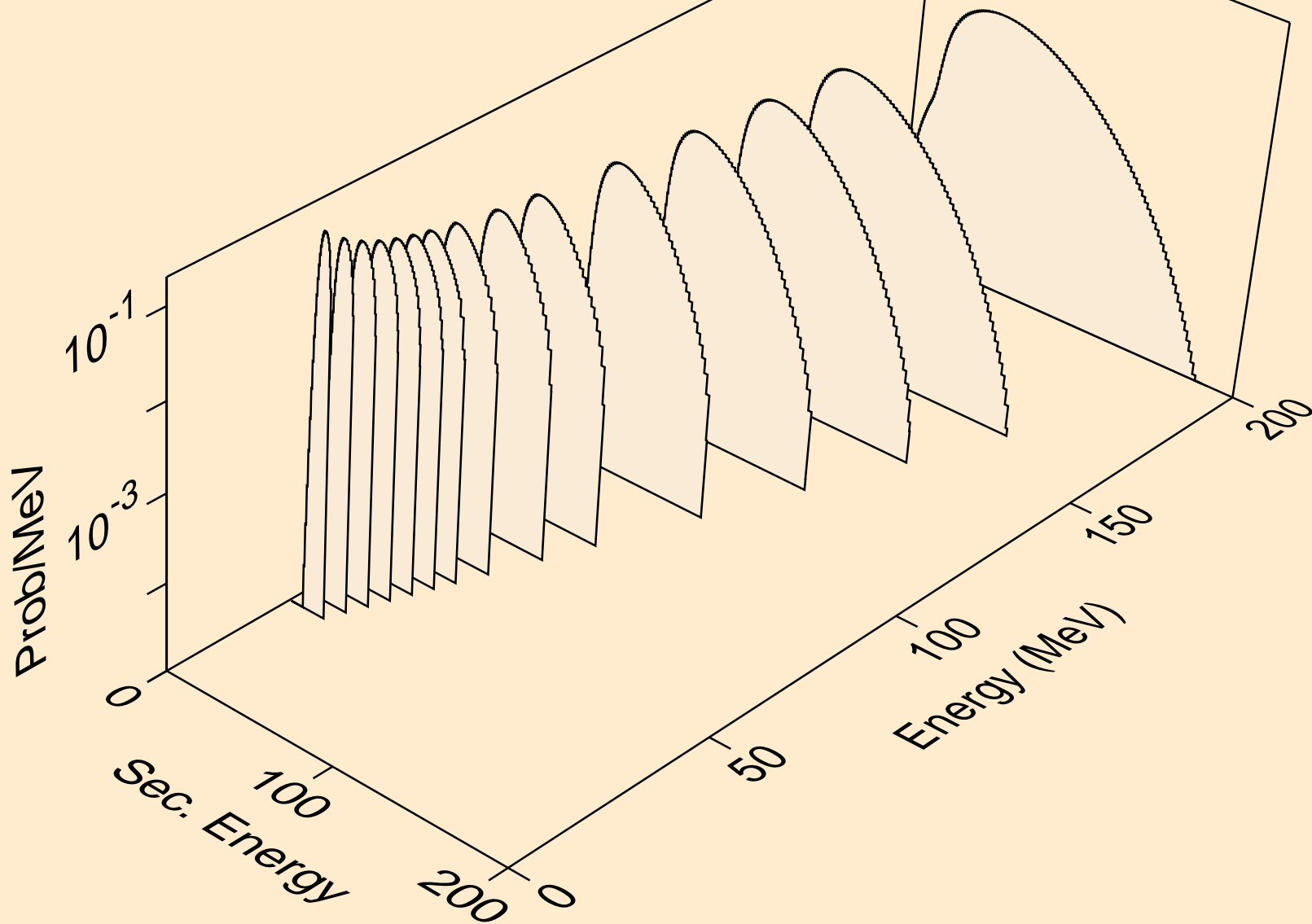
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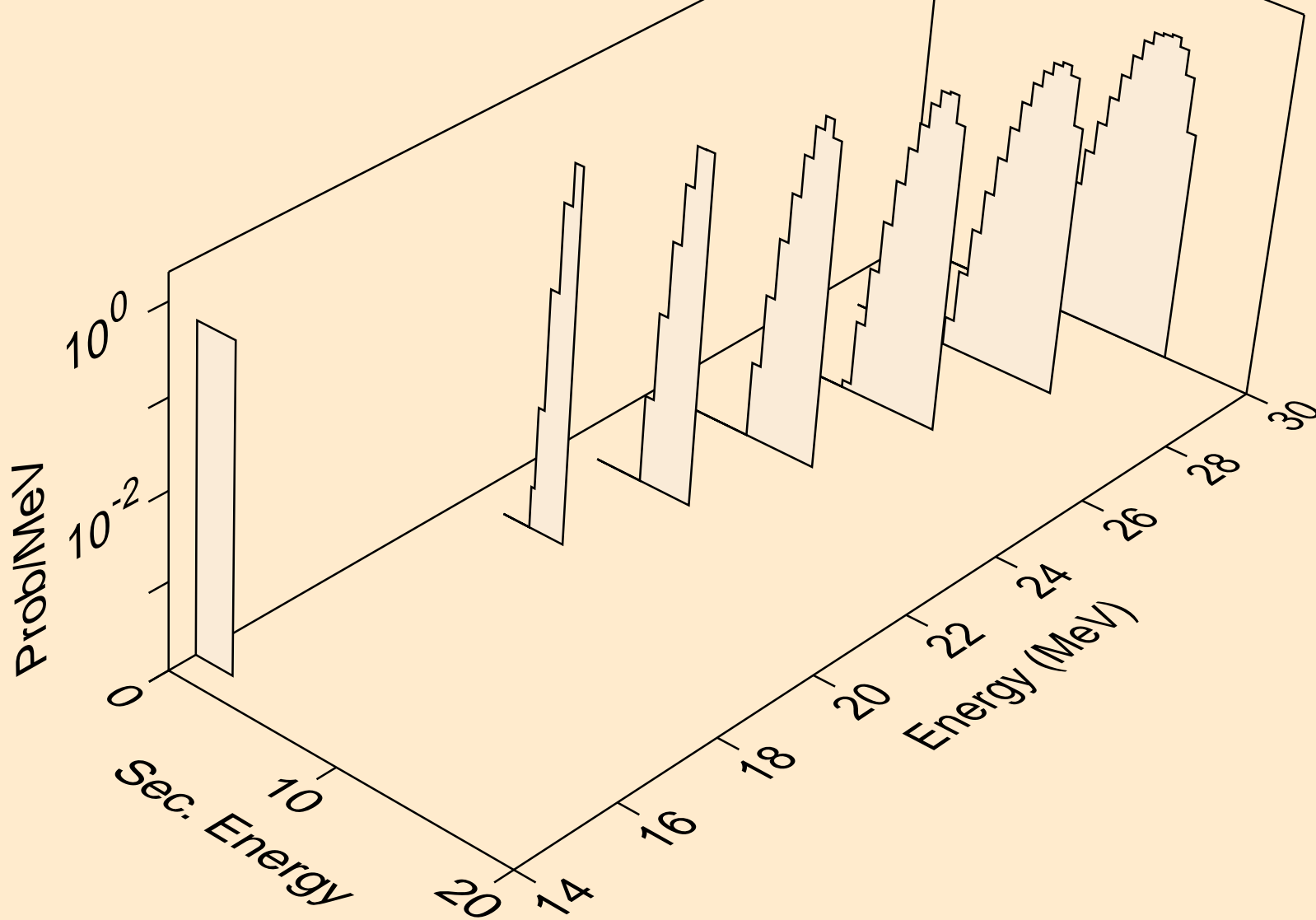
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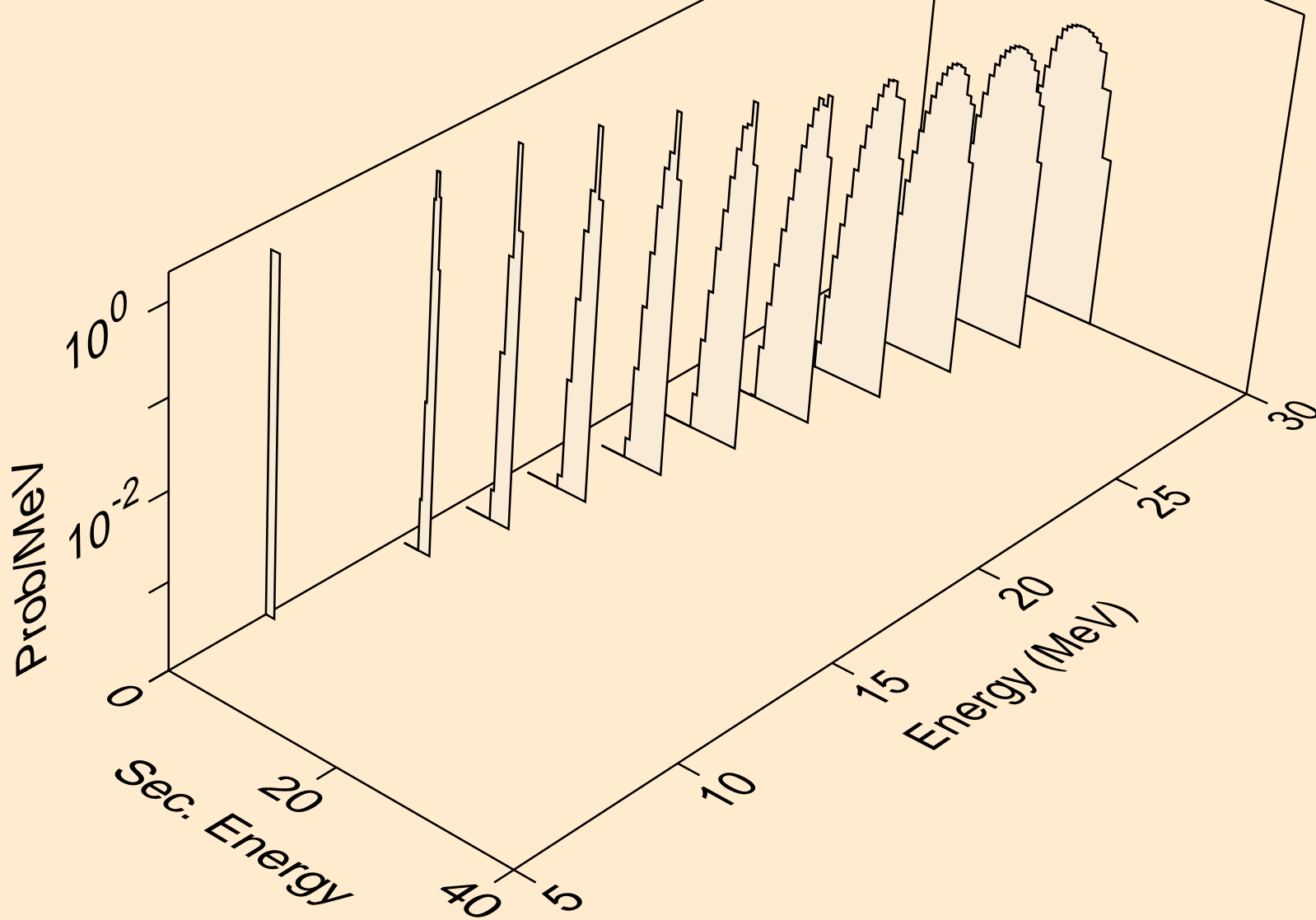
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he3s from (n,x)



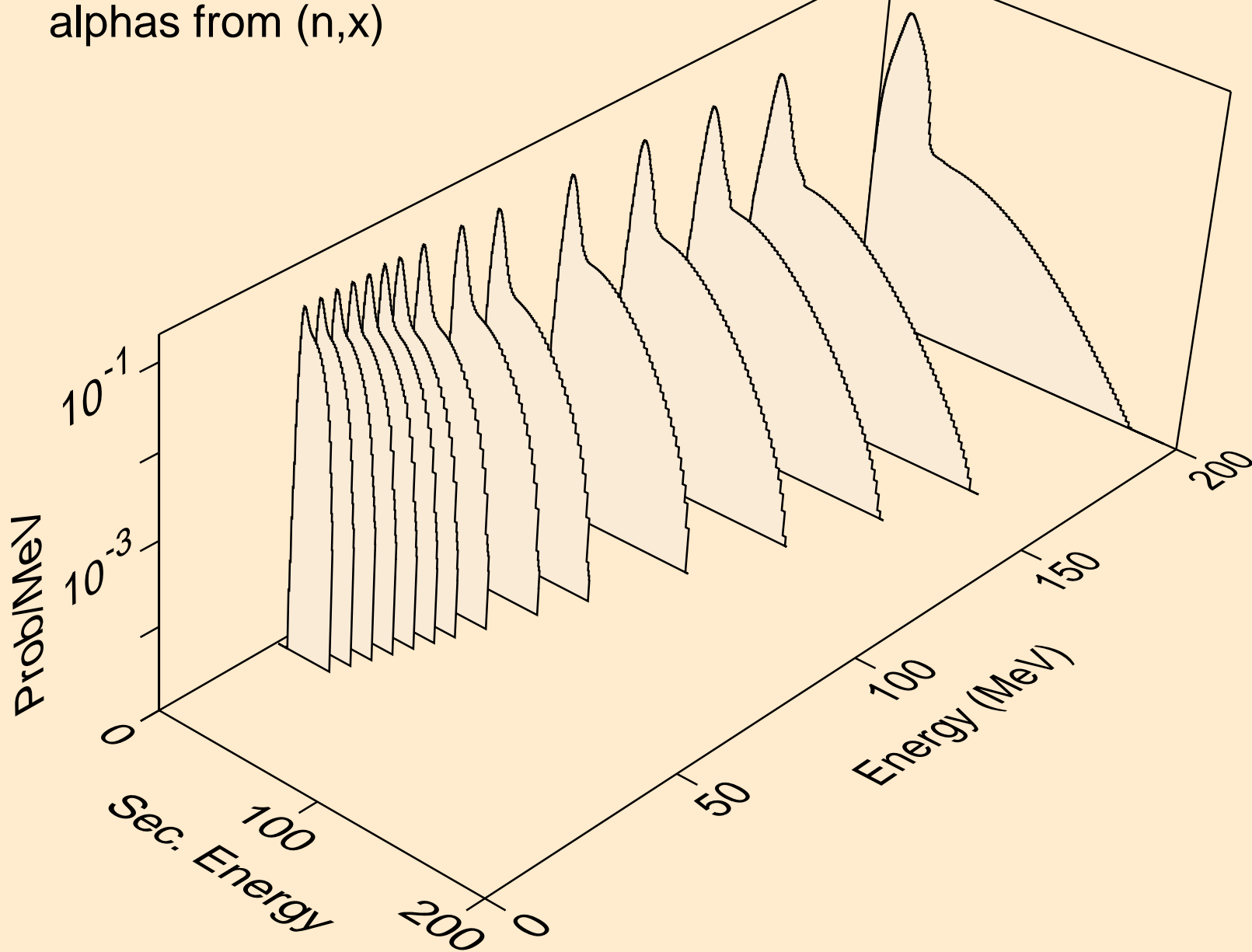
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



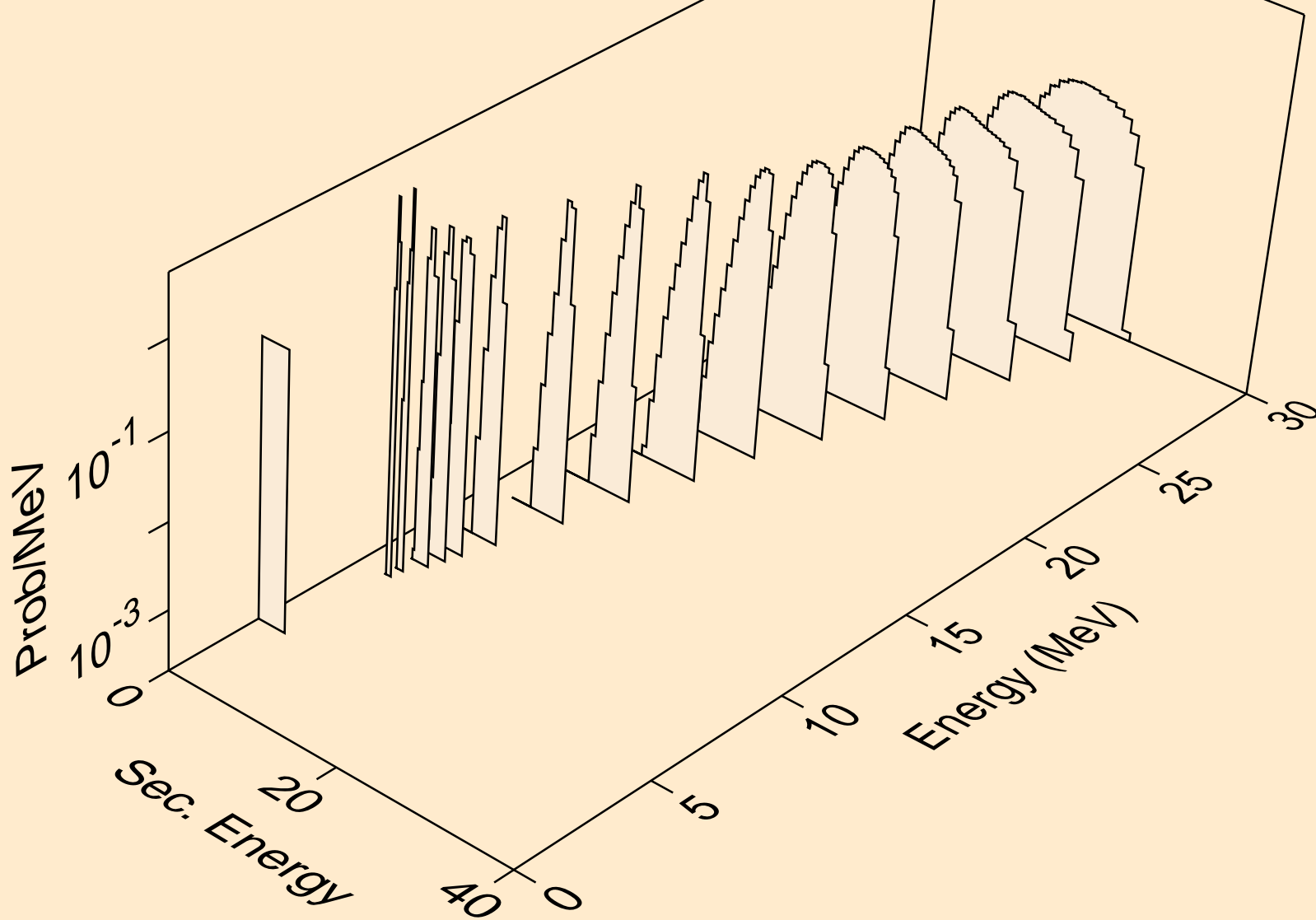
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

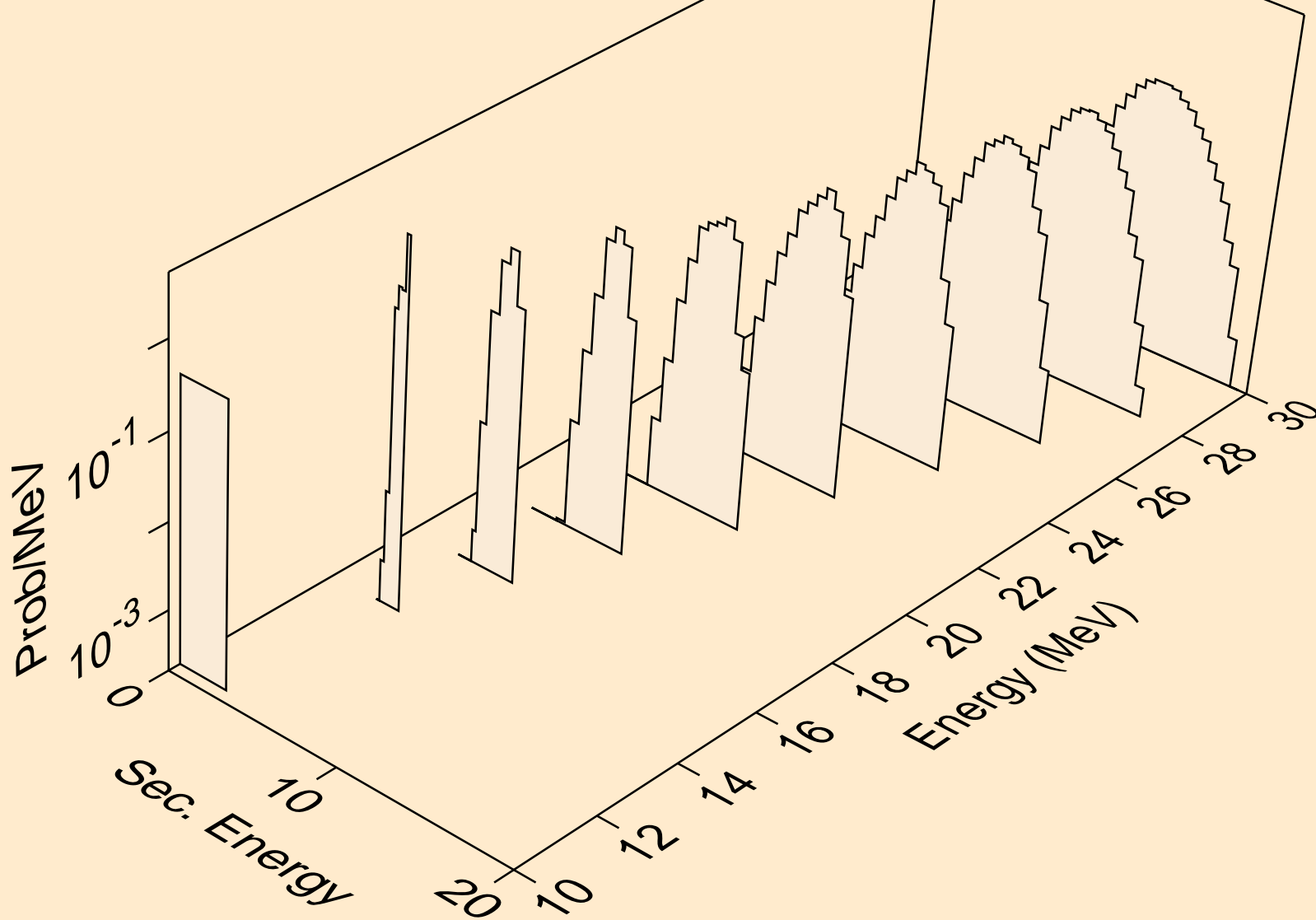


SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

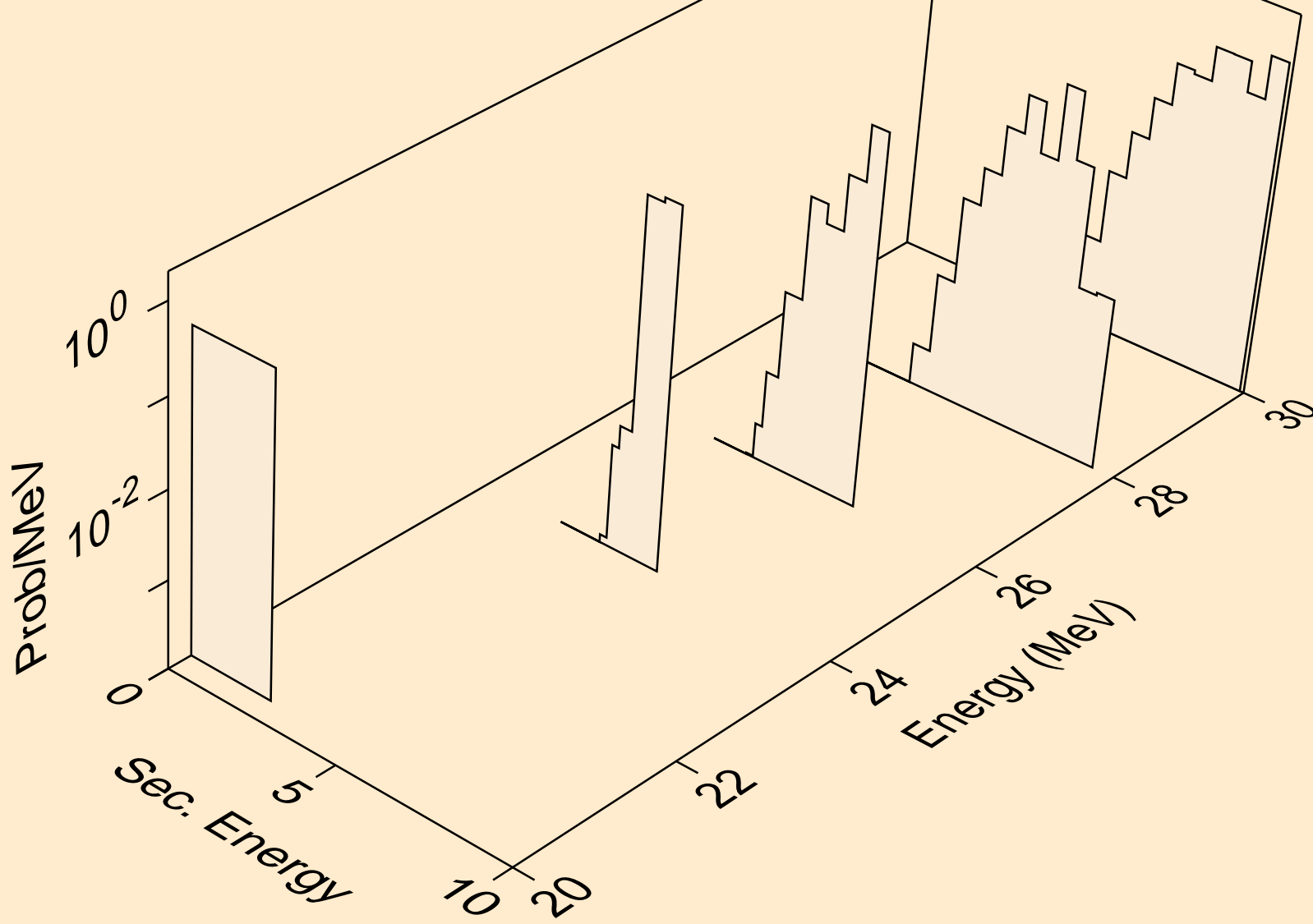




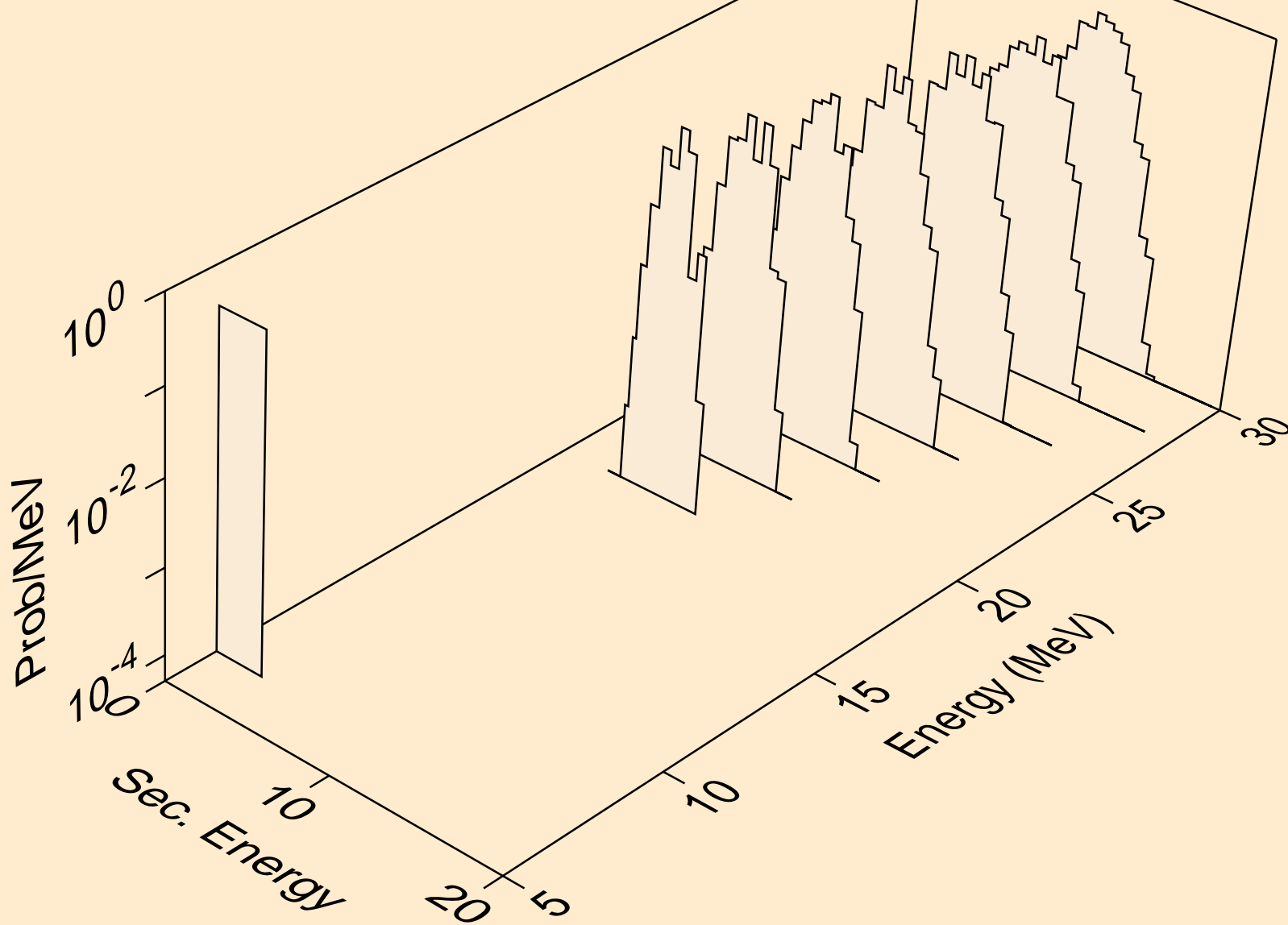
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



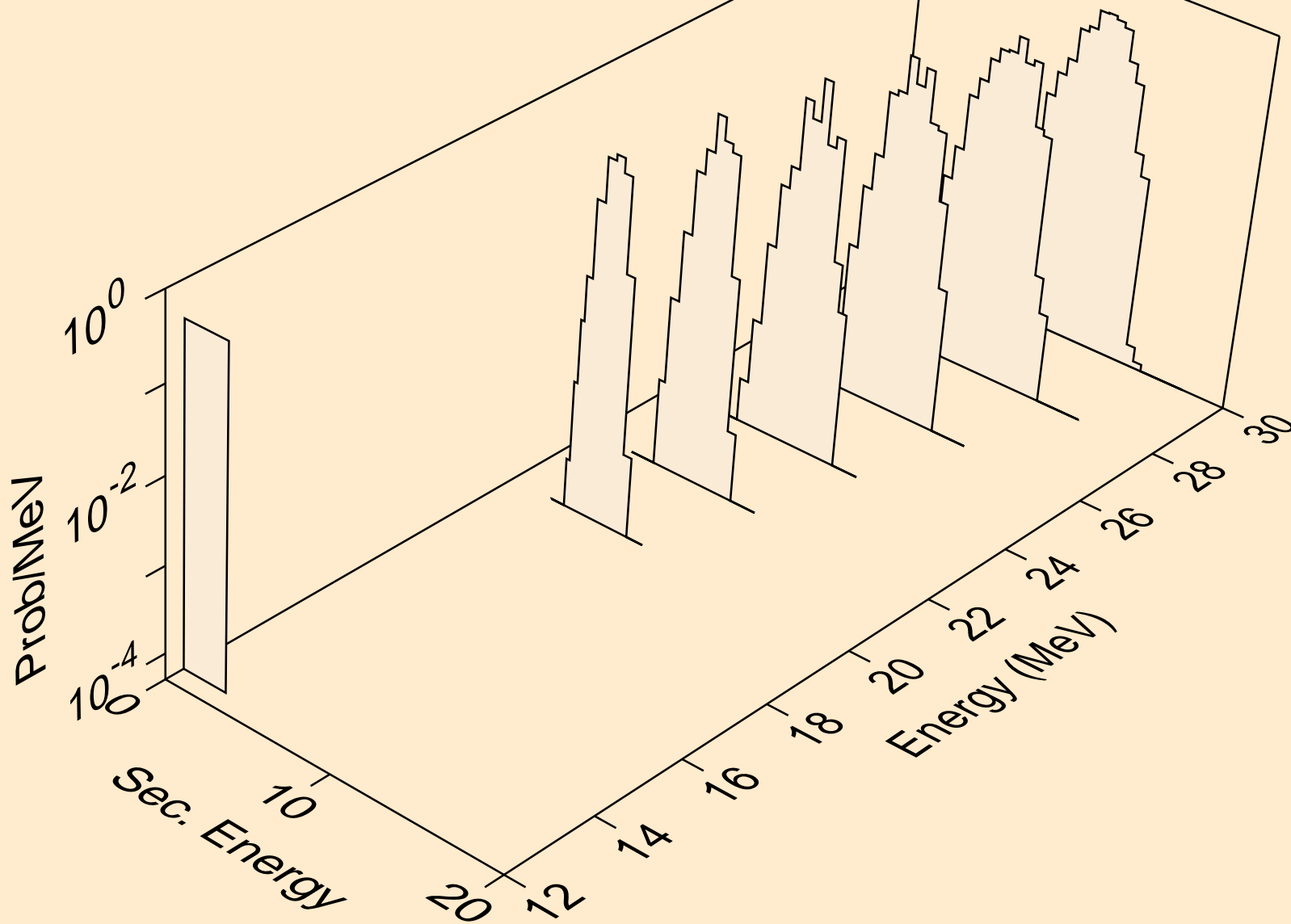
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



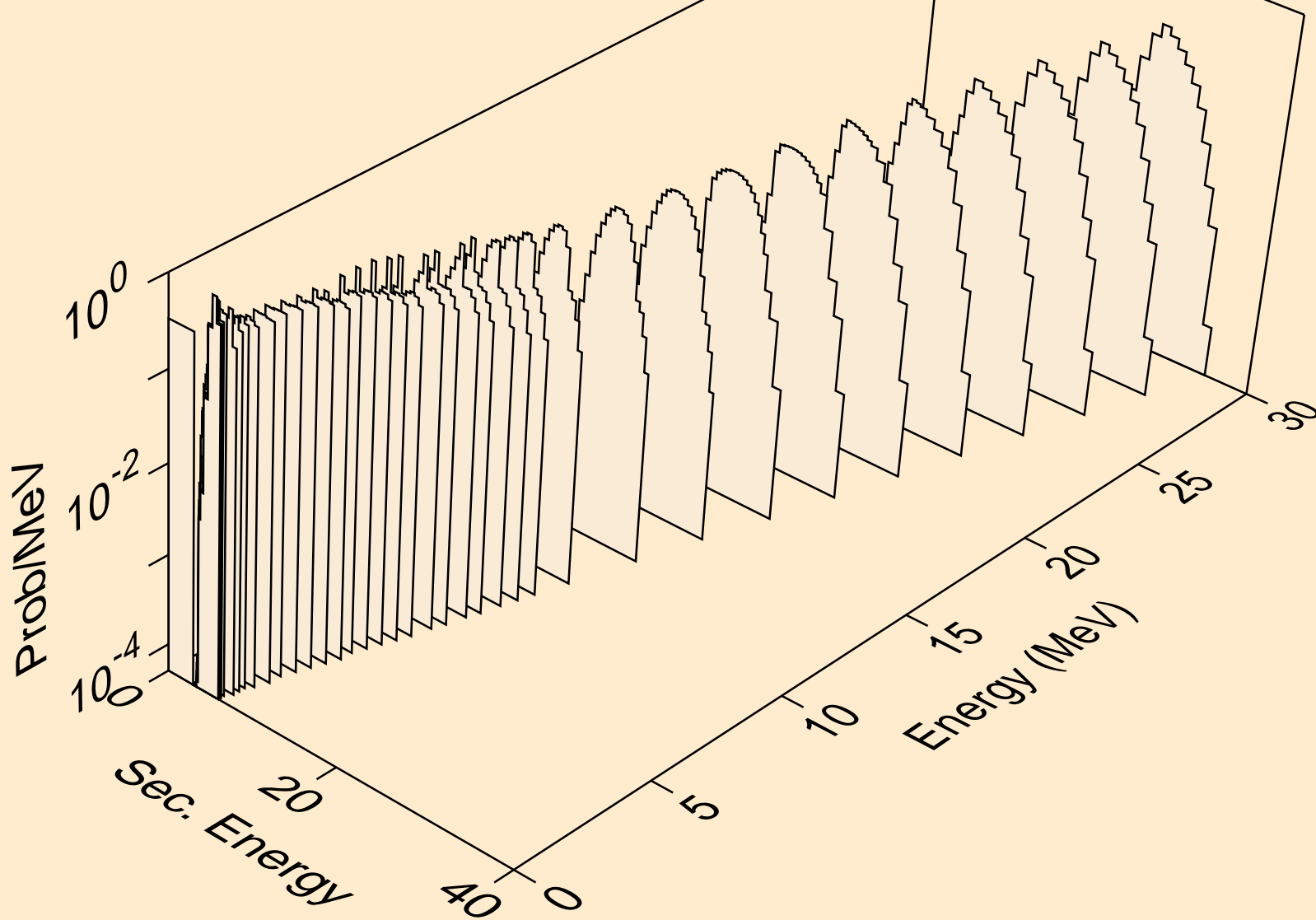
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



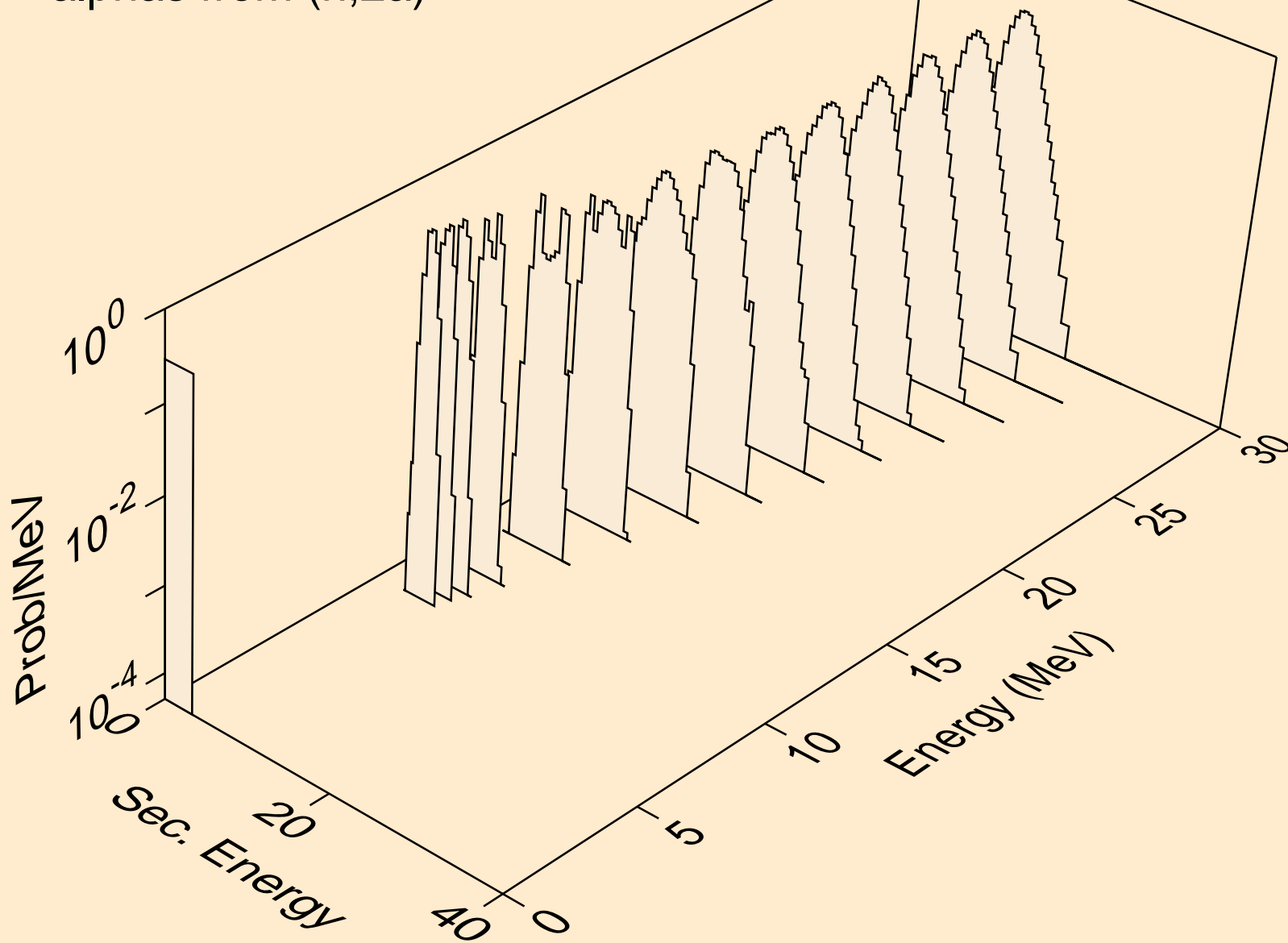
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



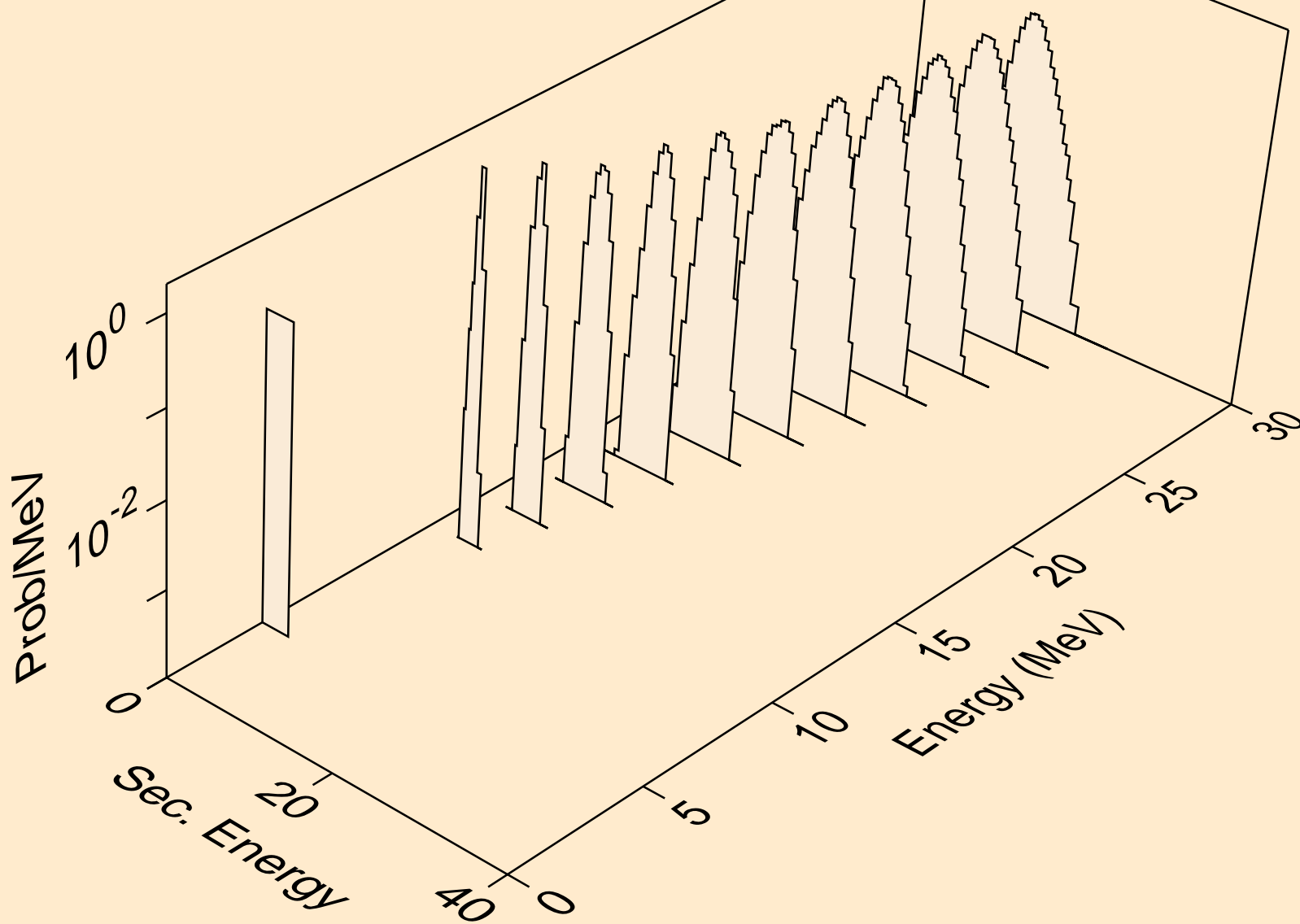
SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SN115 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

