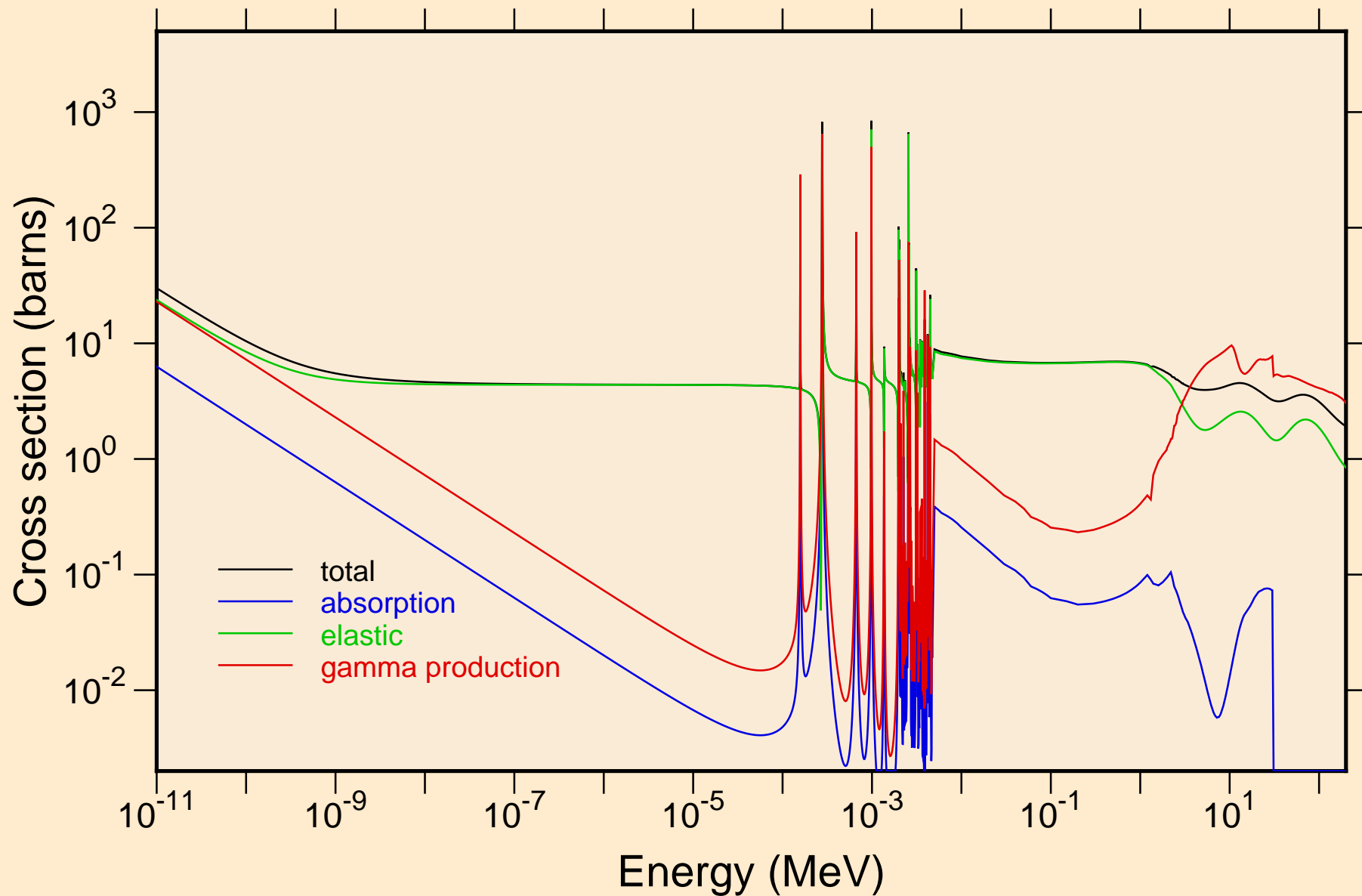
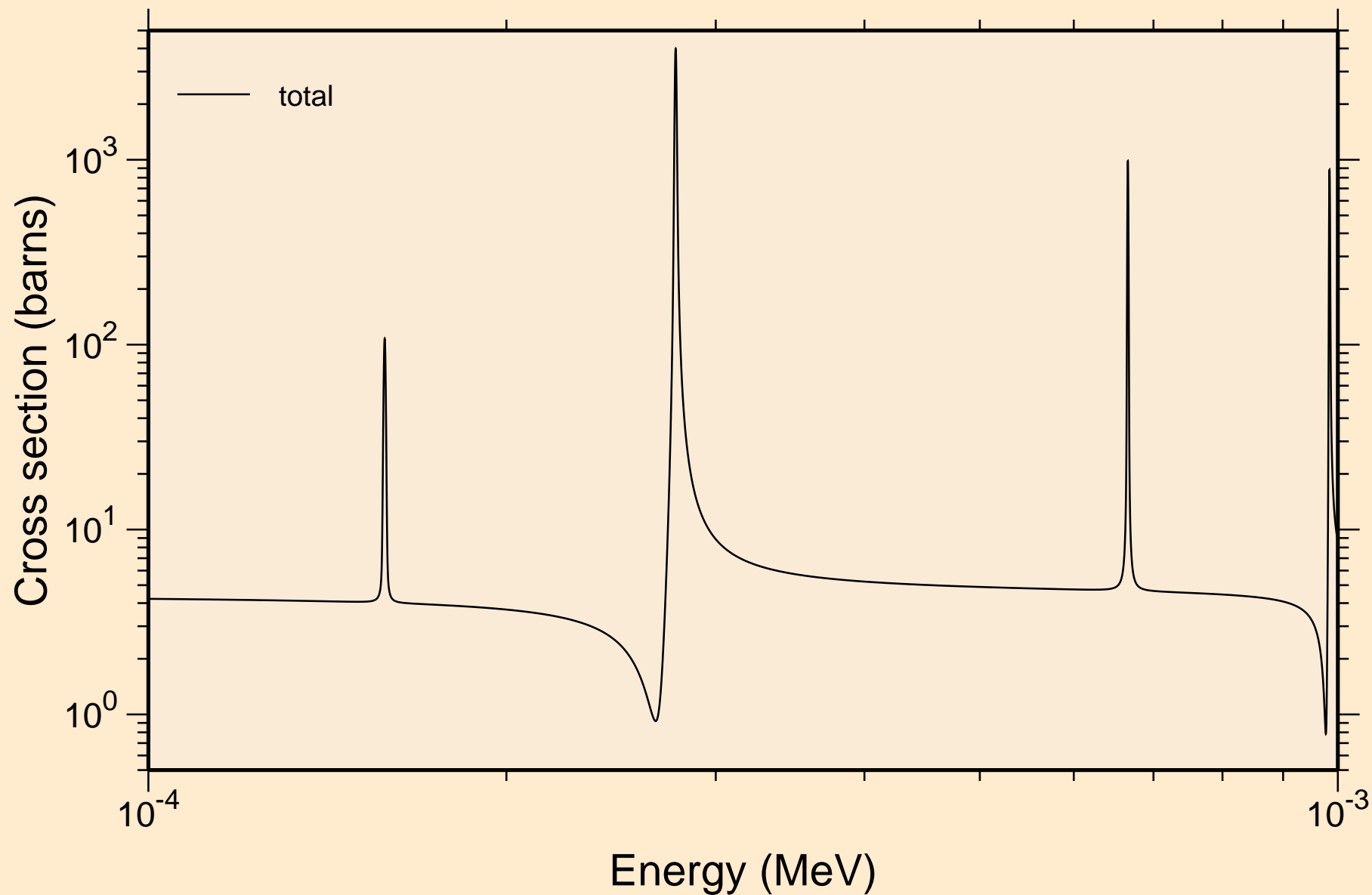


# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

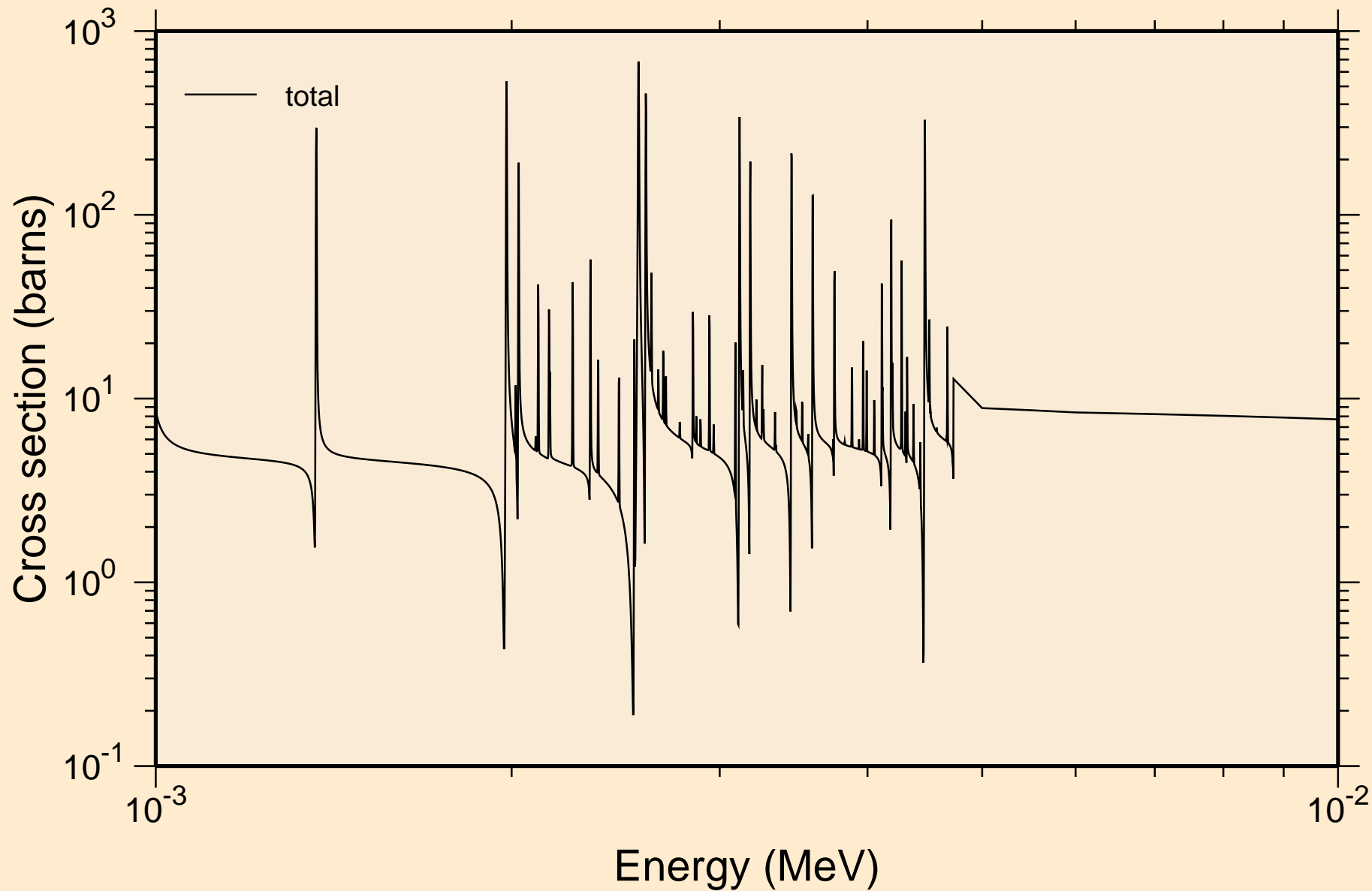
## Principal cross sections



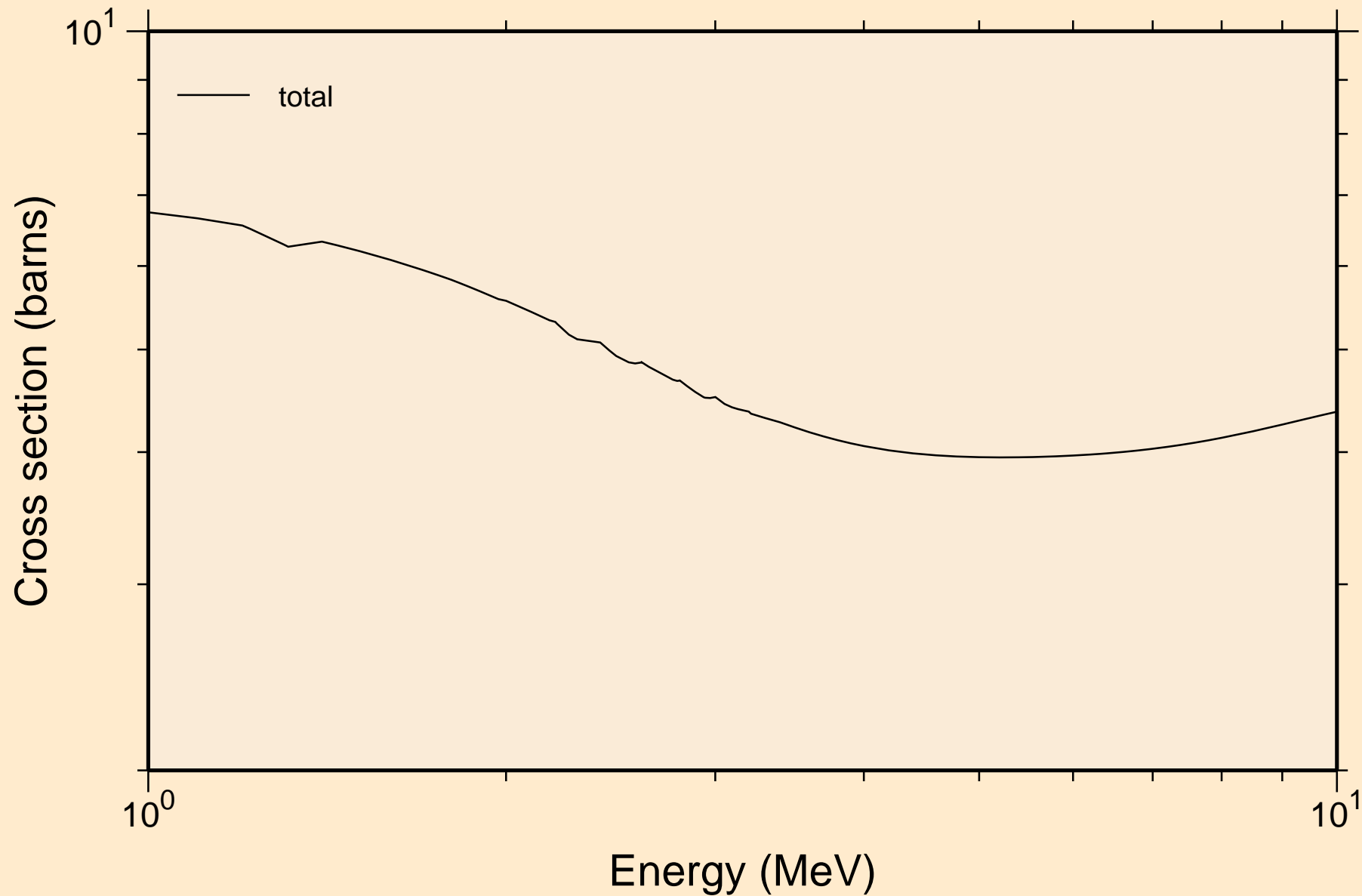
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resonance total cross section



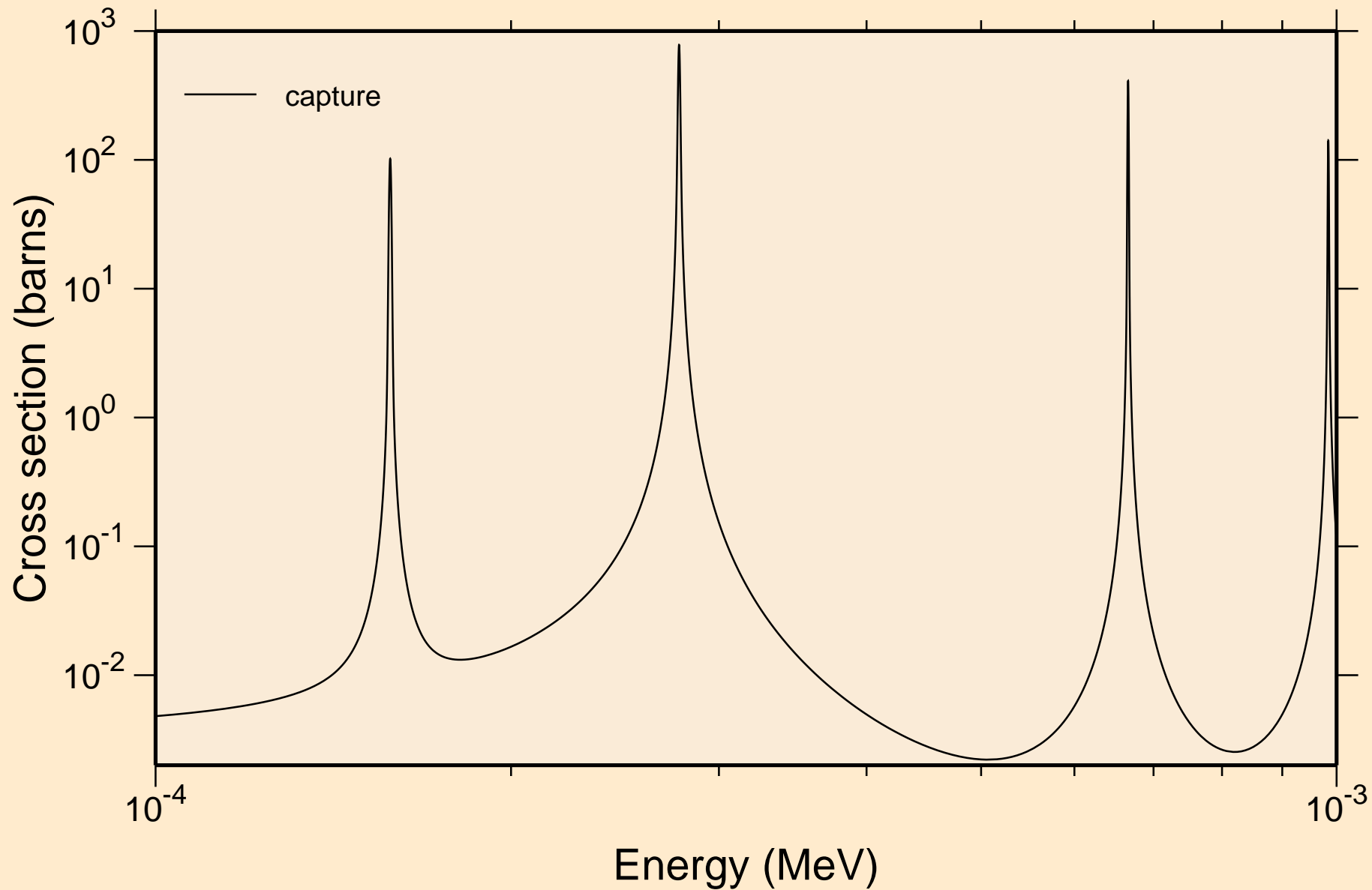
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resonance total cross section



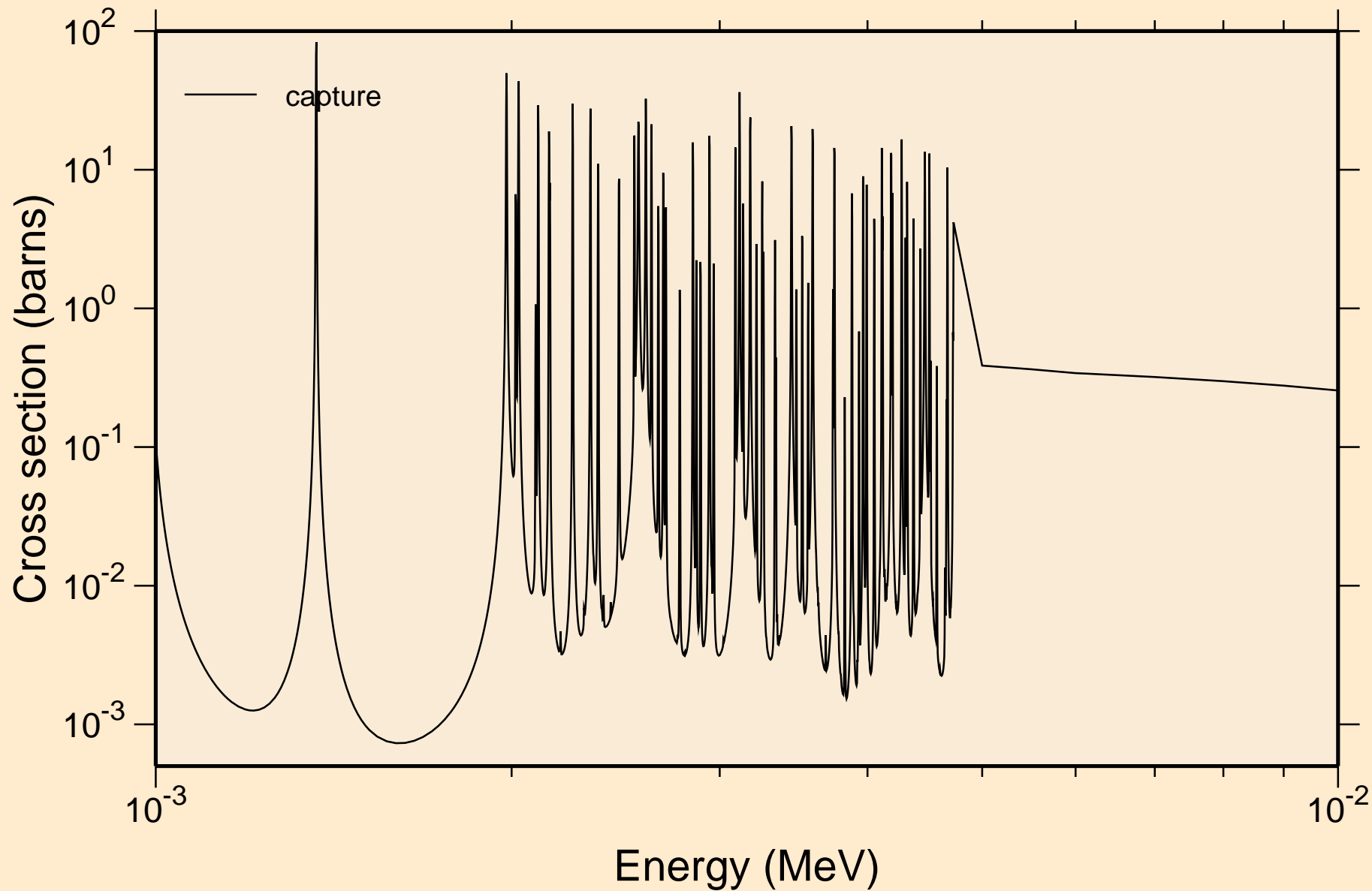
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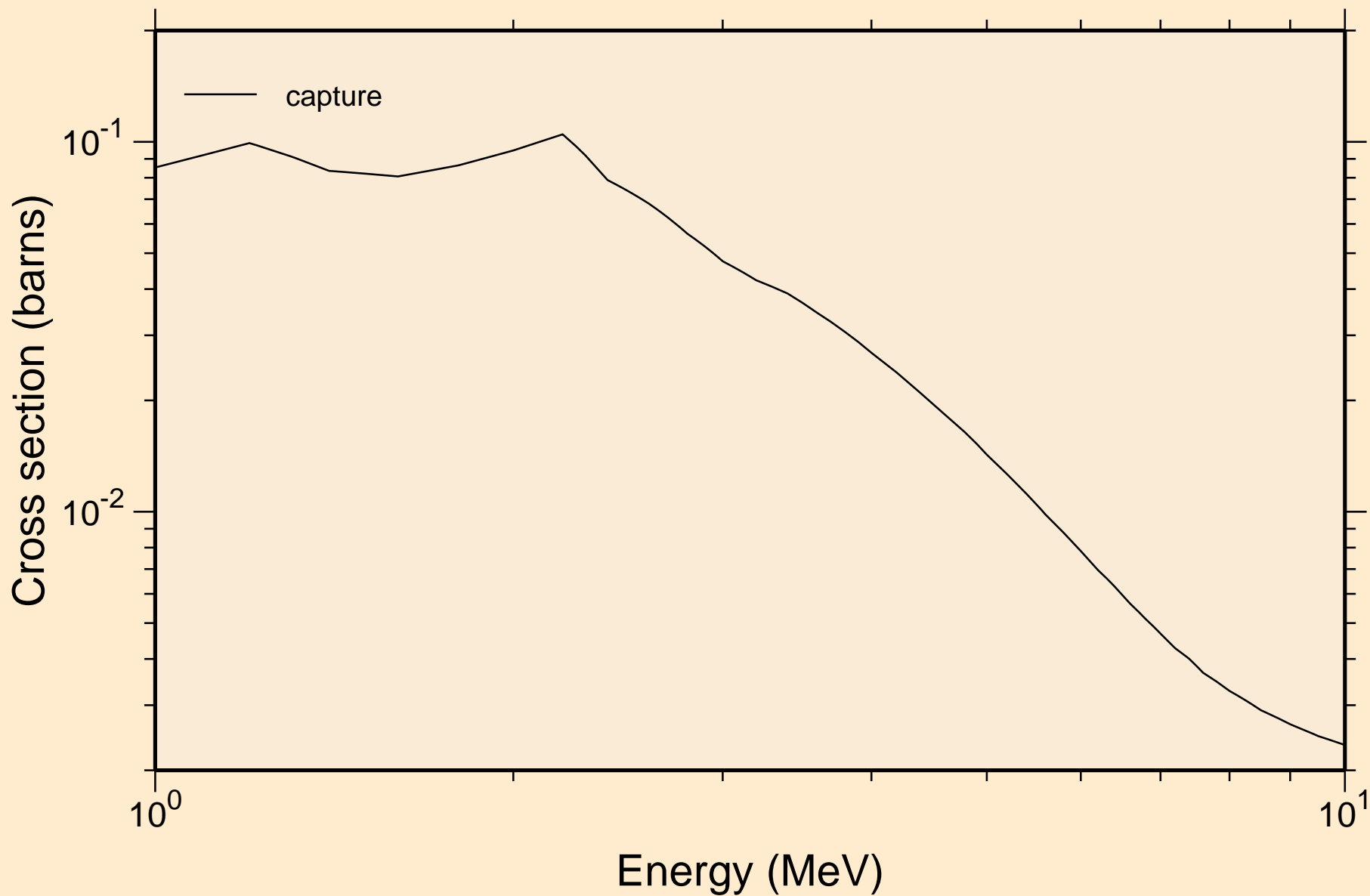
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resonance absorption cross sections



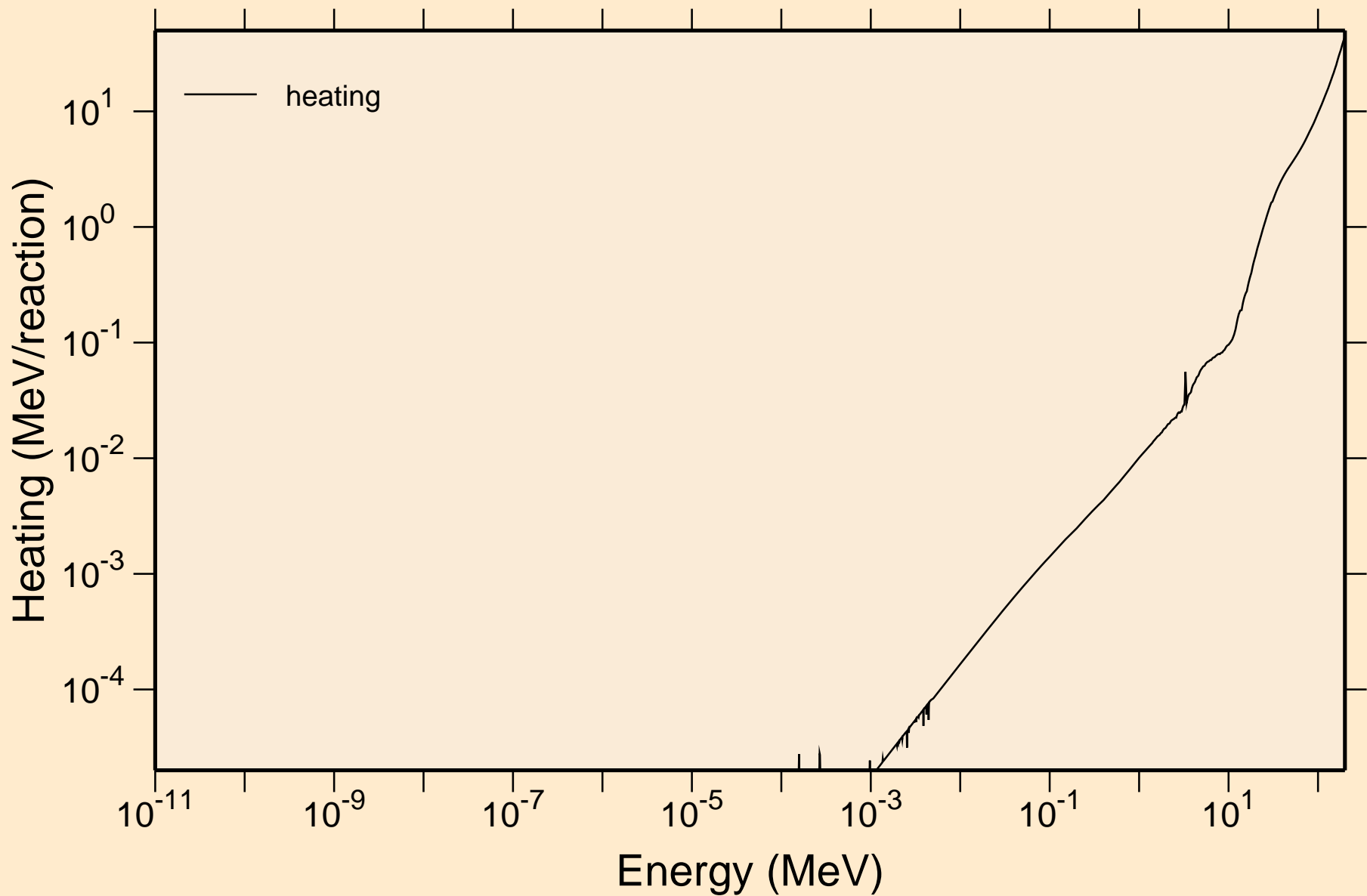
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



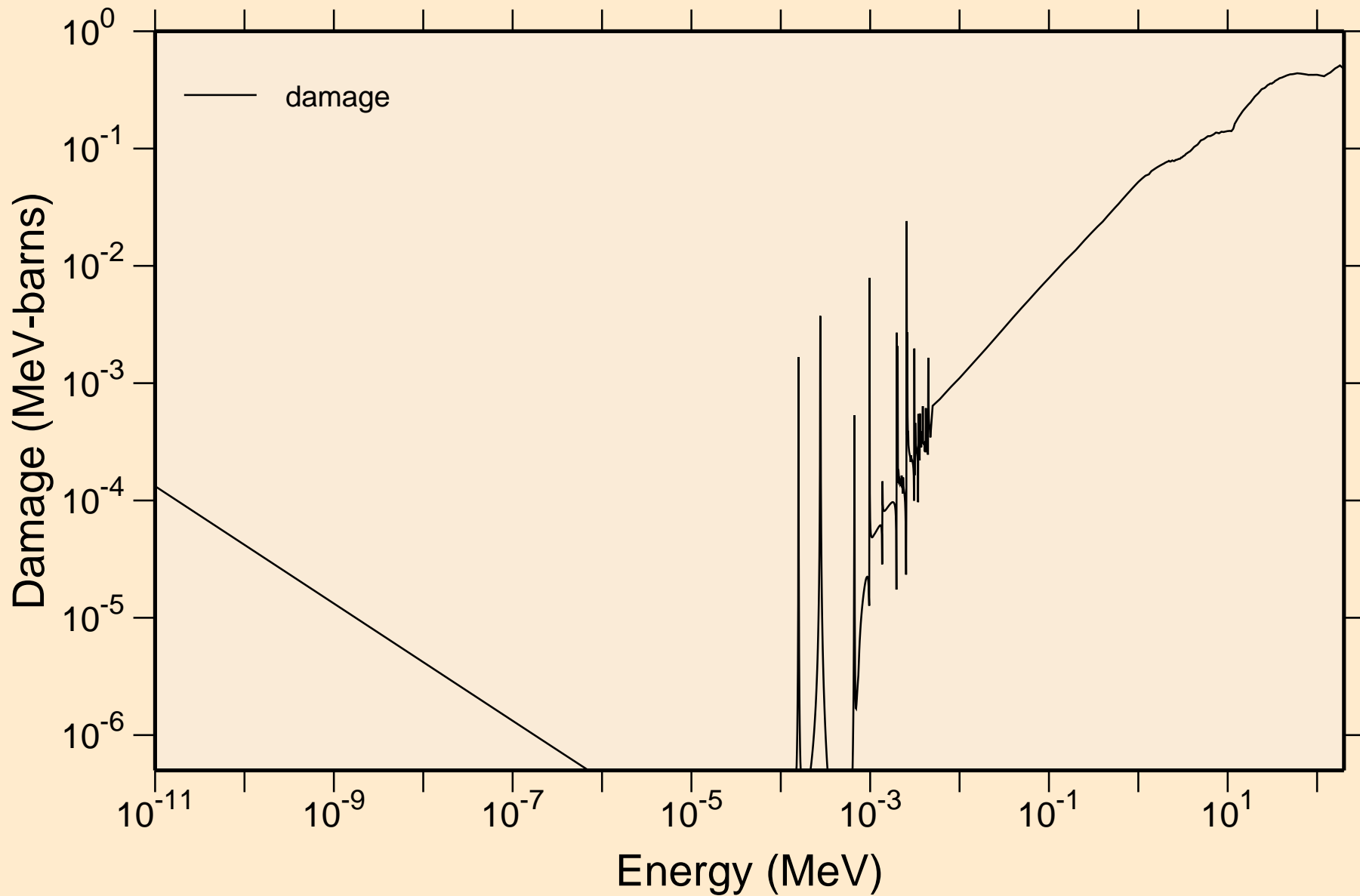
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating





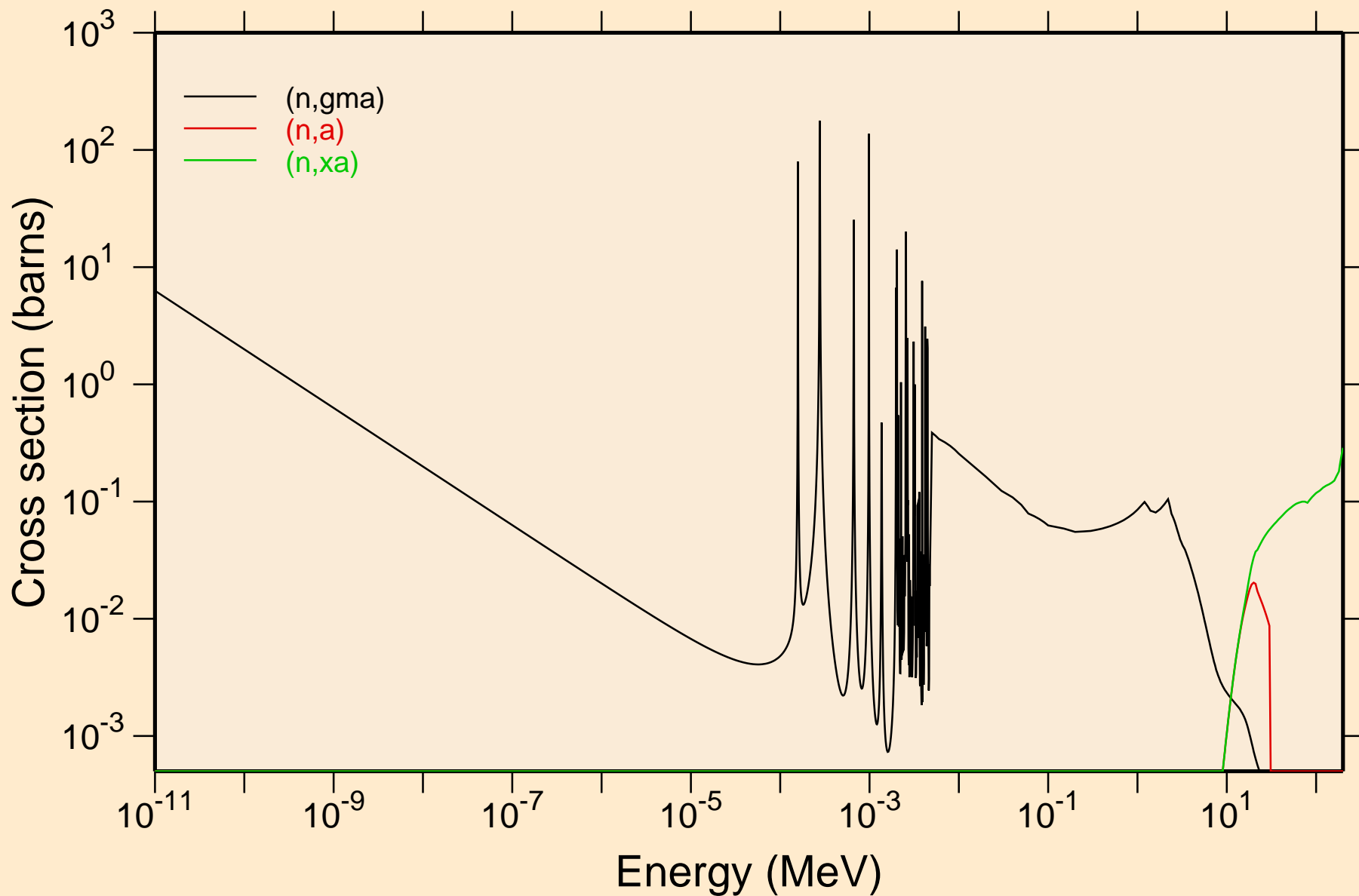
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Damage



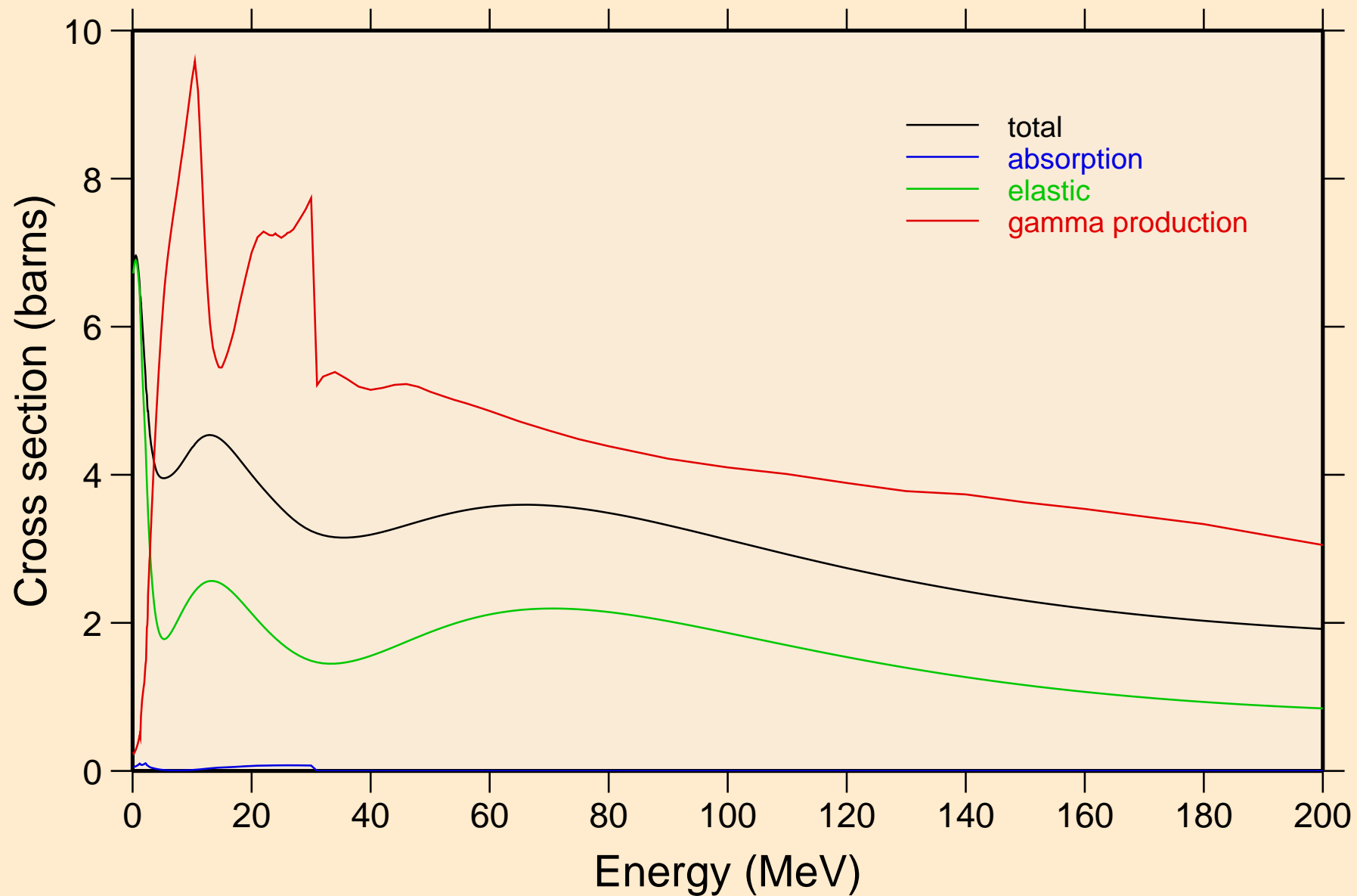
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

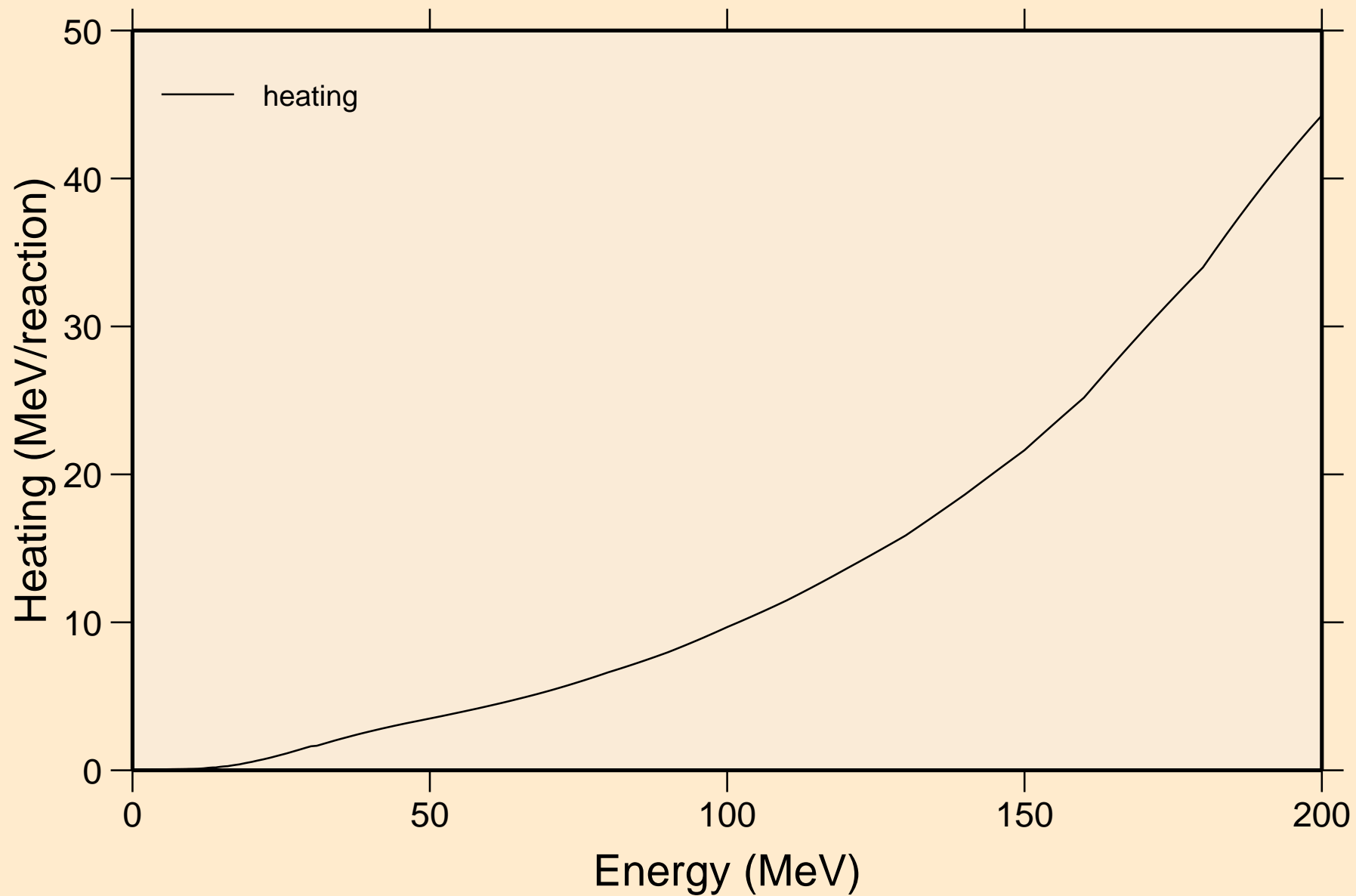


# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

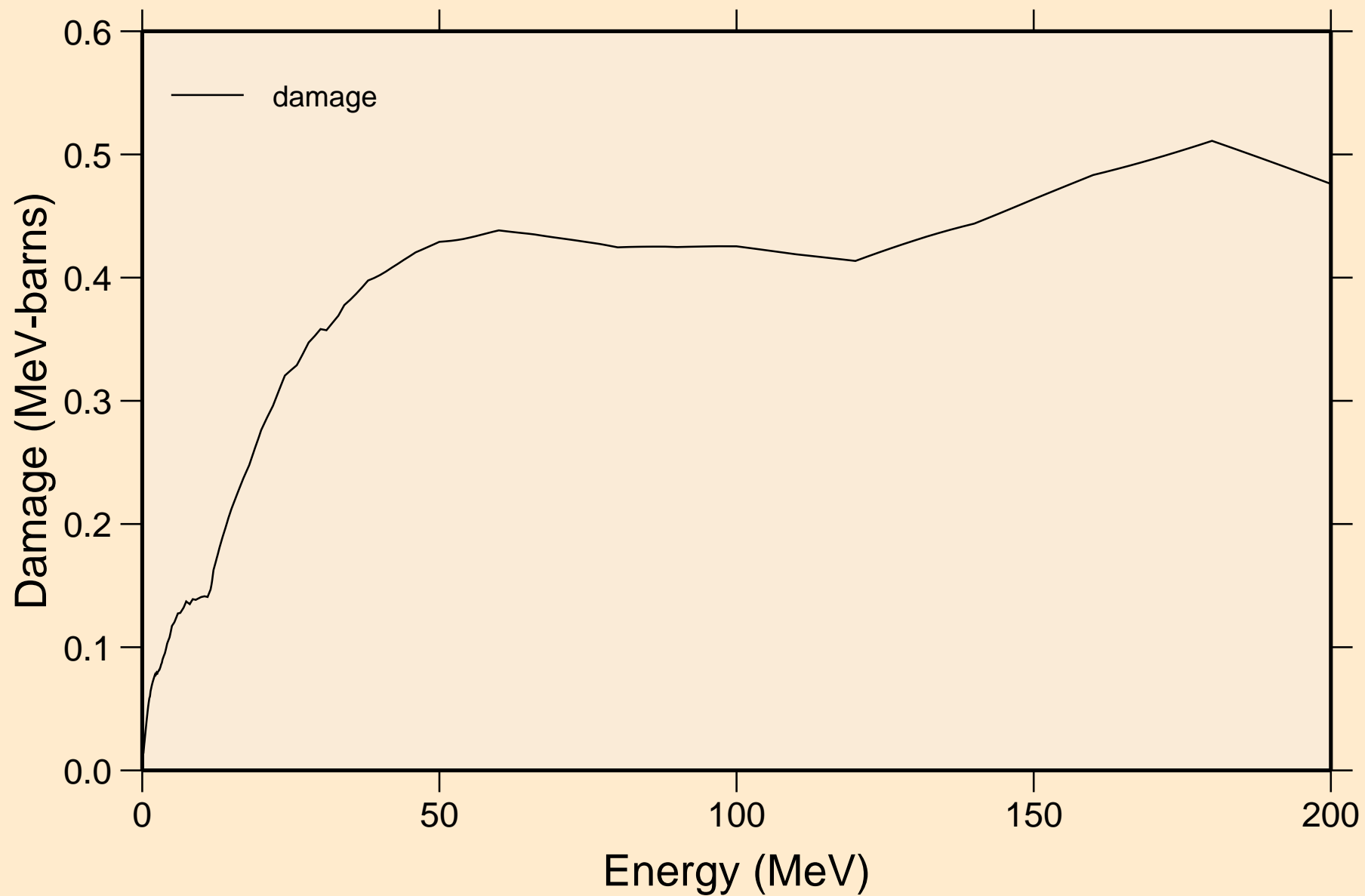
## Principal cross sections



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

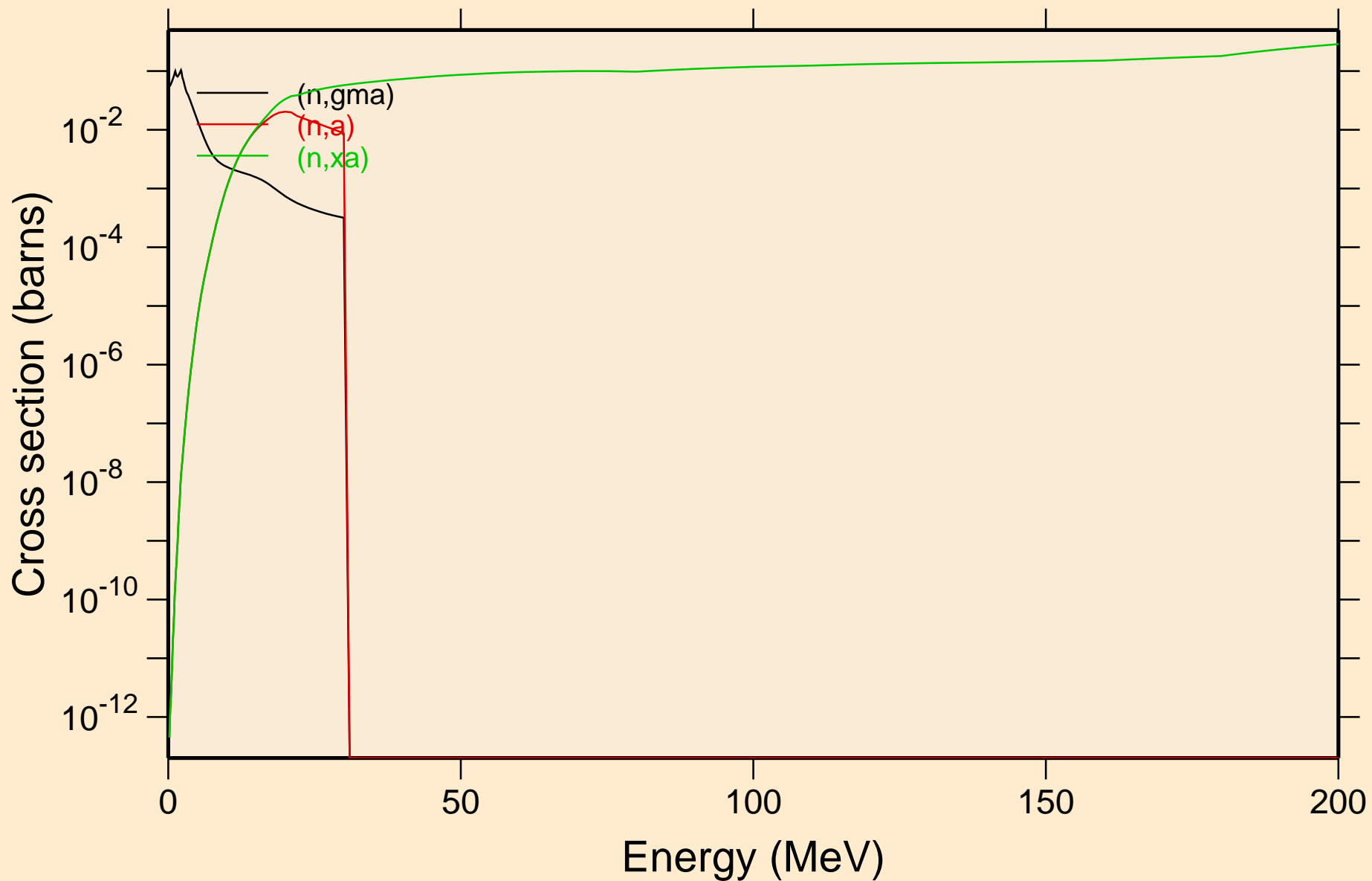


# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



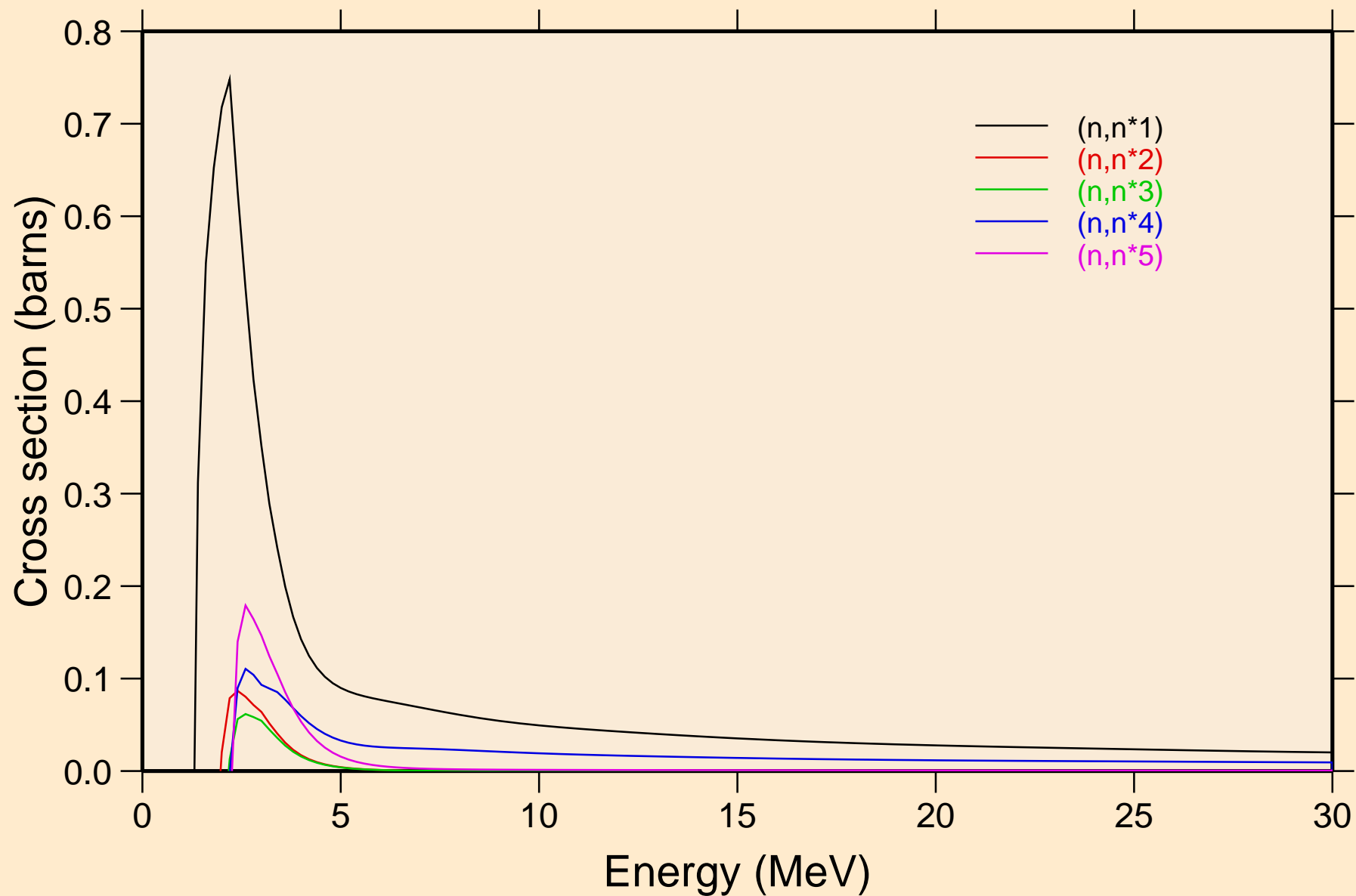
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## Non-threshold reactions



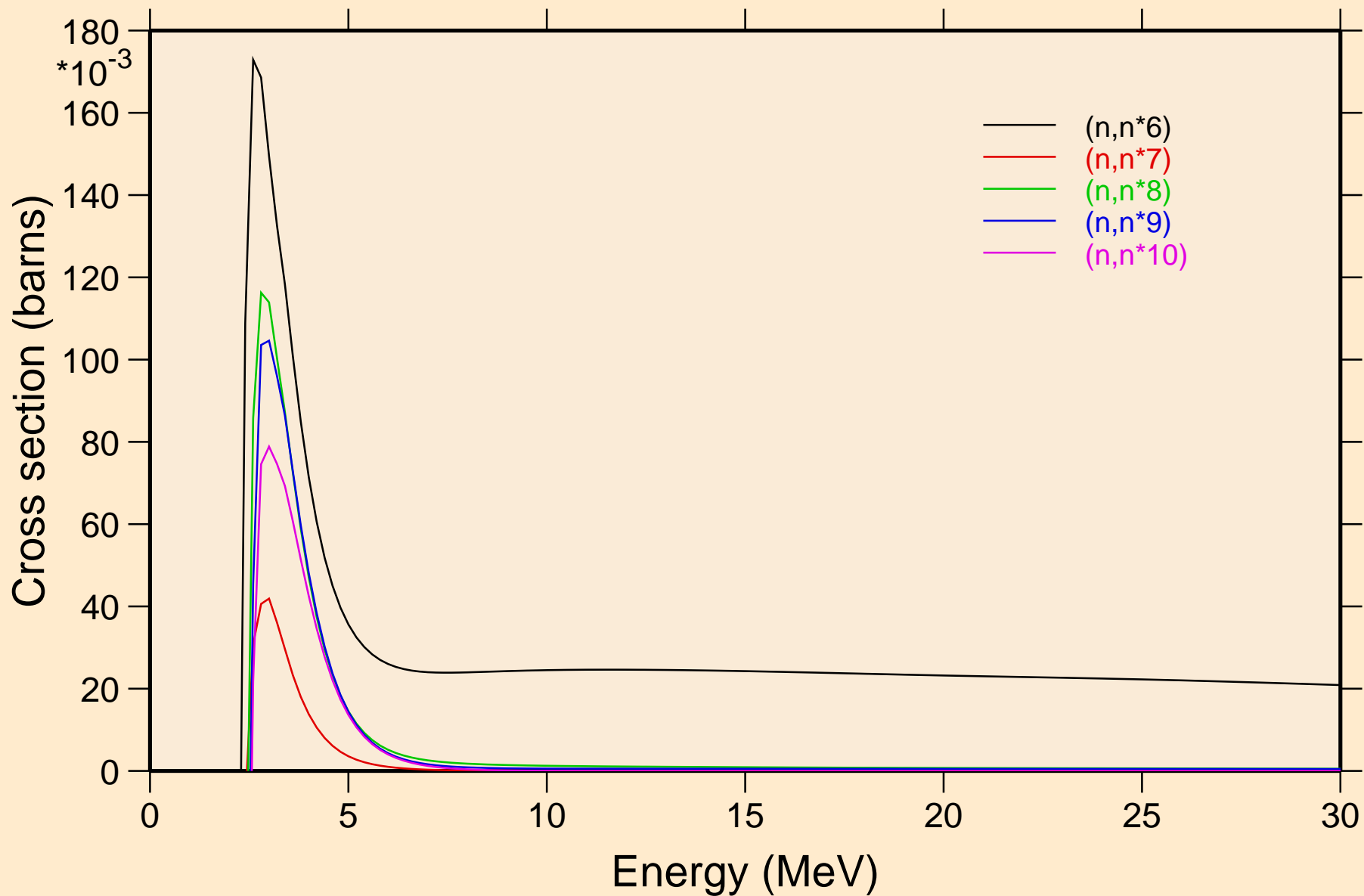
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

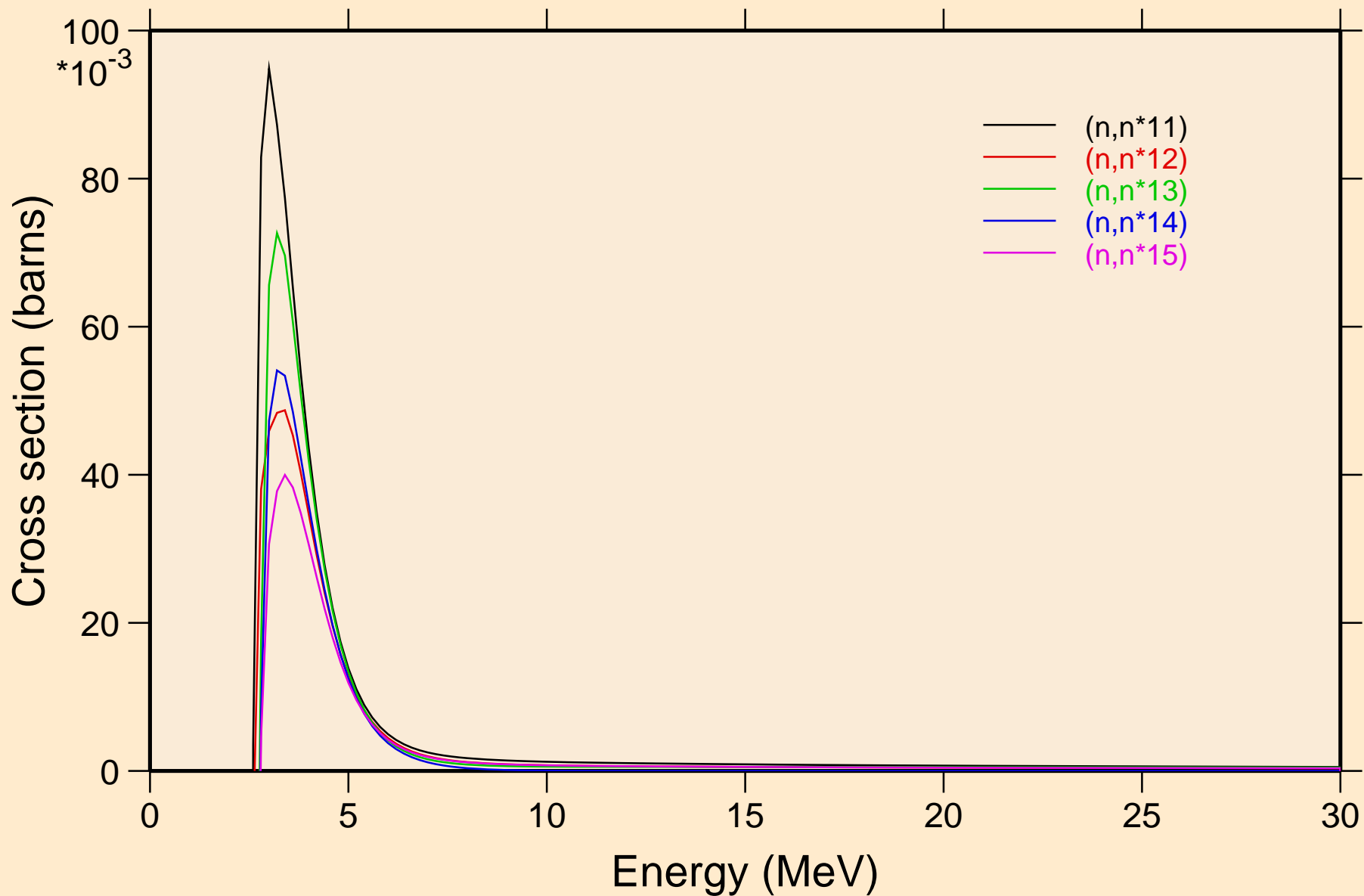
## Inelastic levels





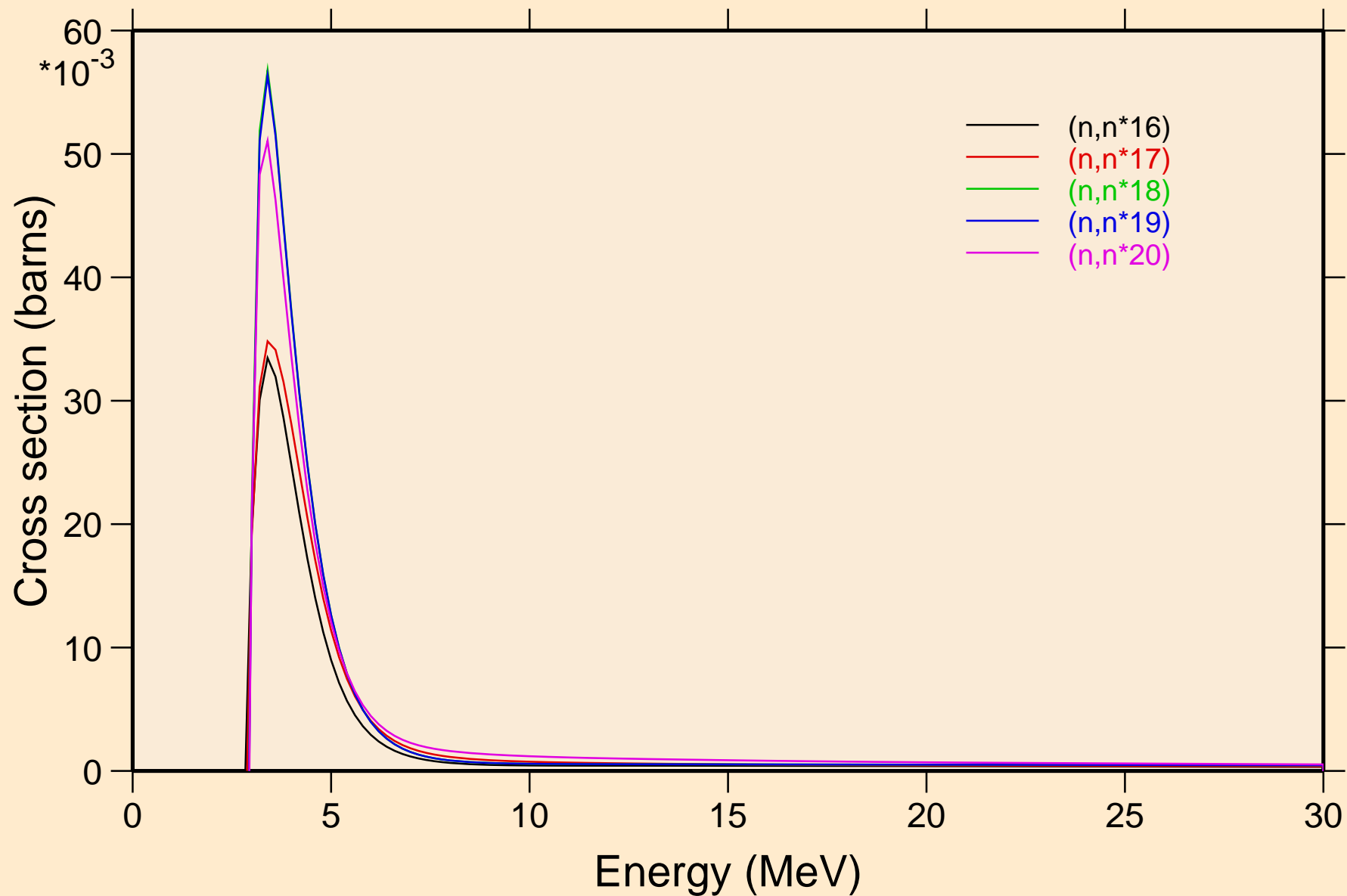
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## Inelastic levels



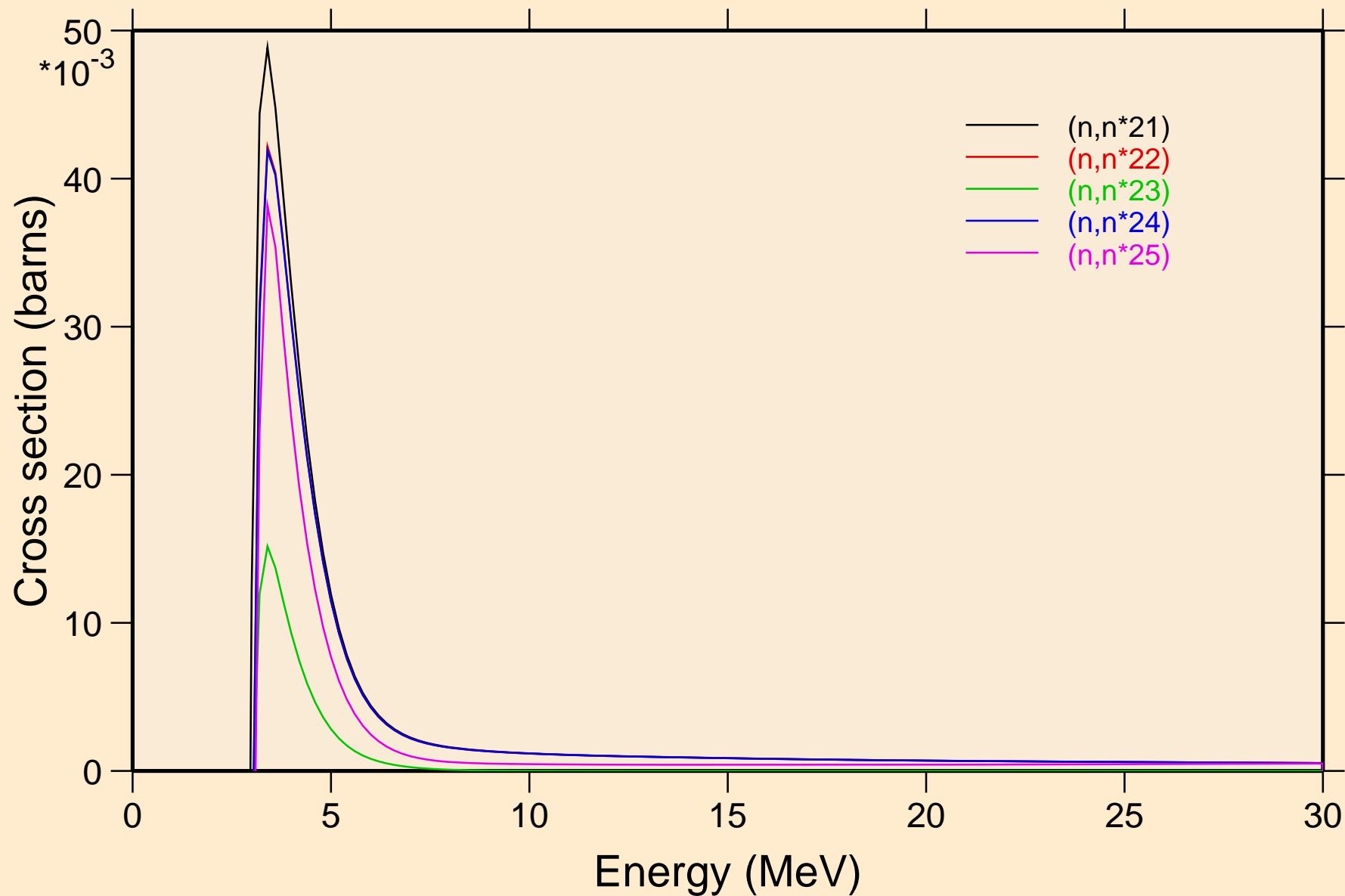
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## Inelastic levels

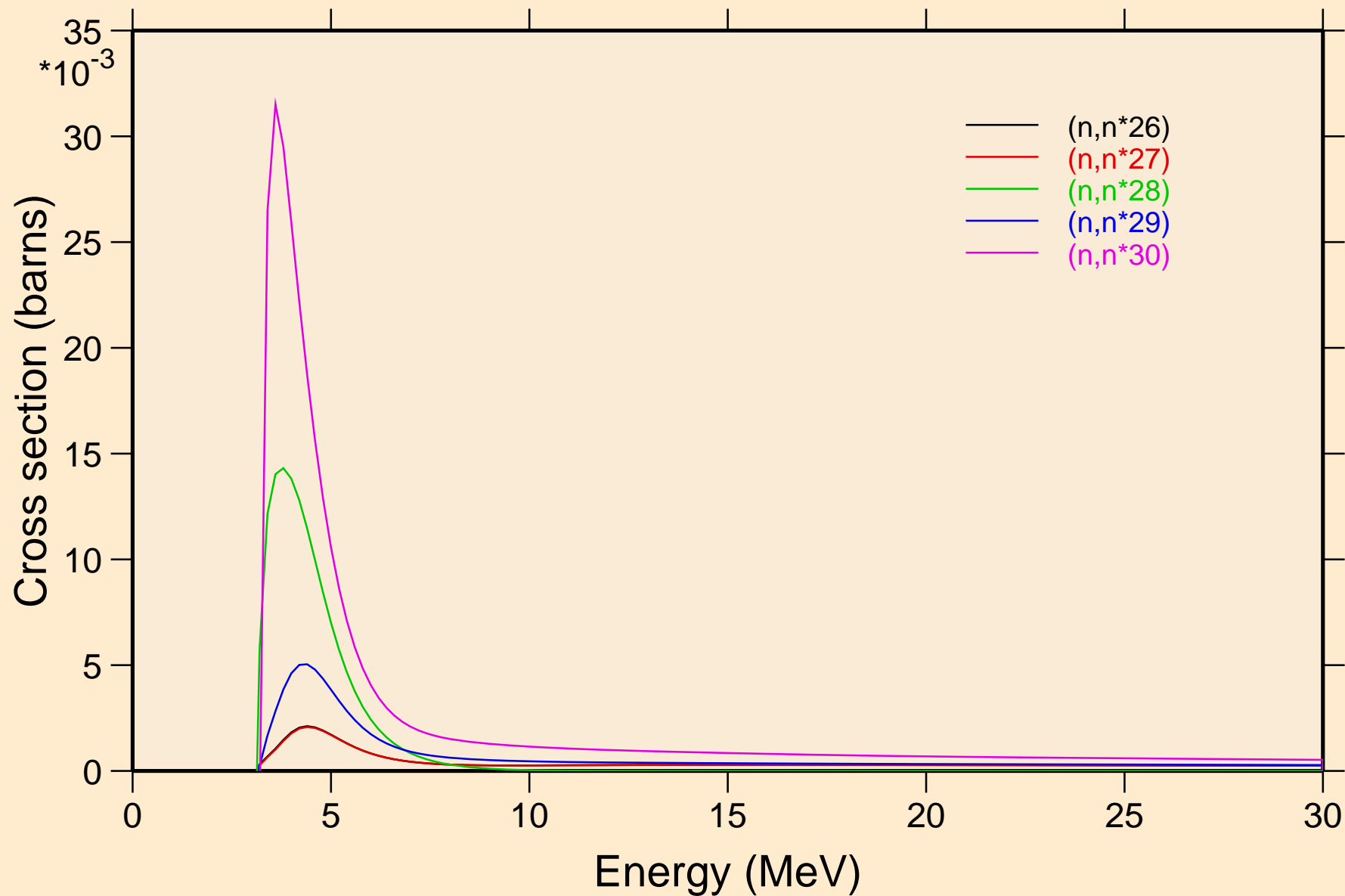


# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels

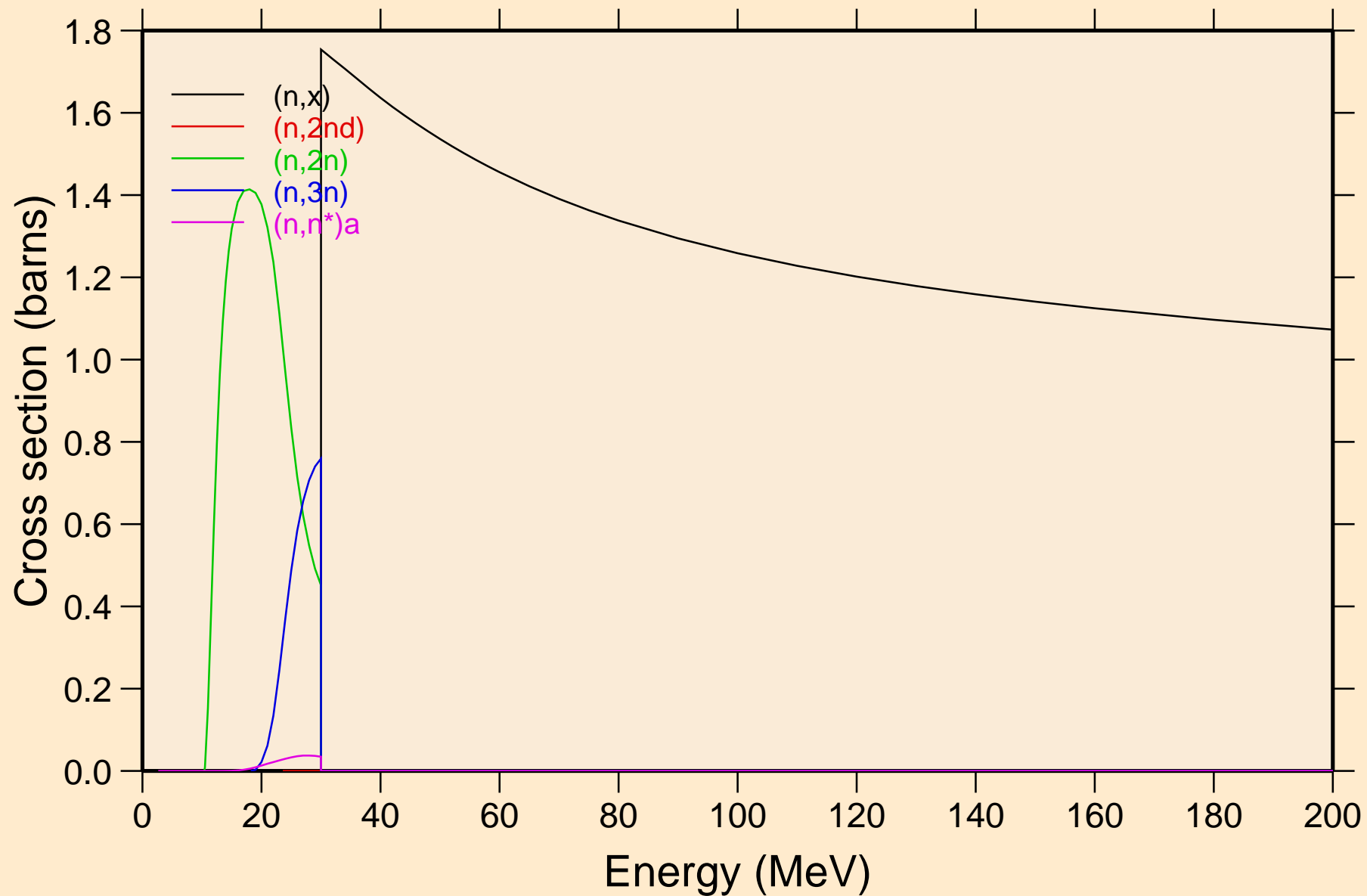


SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



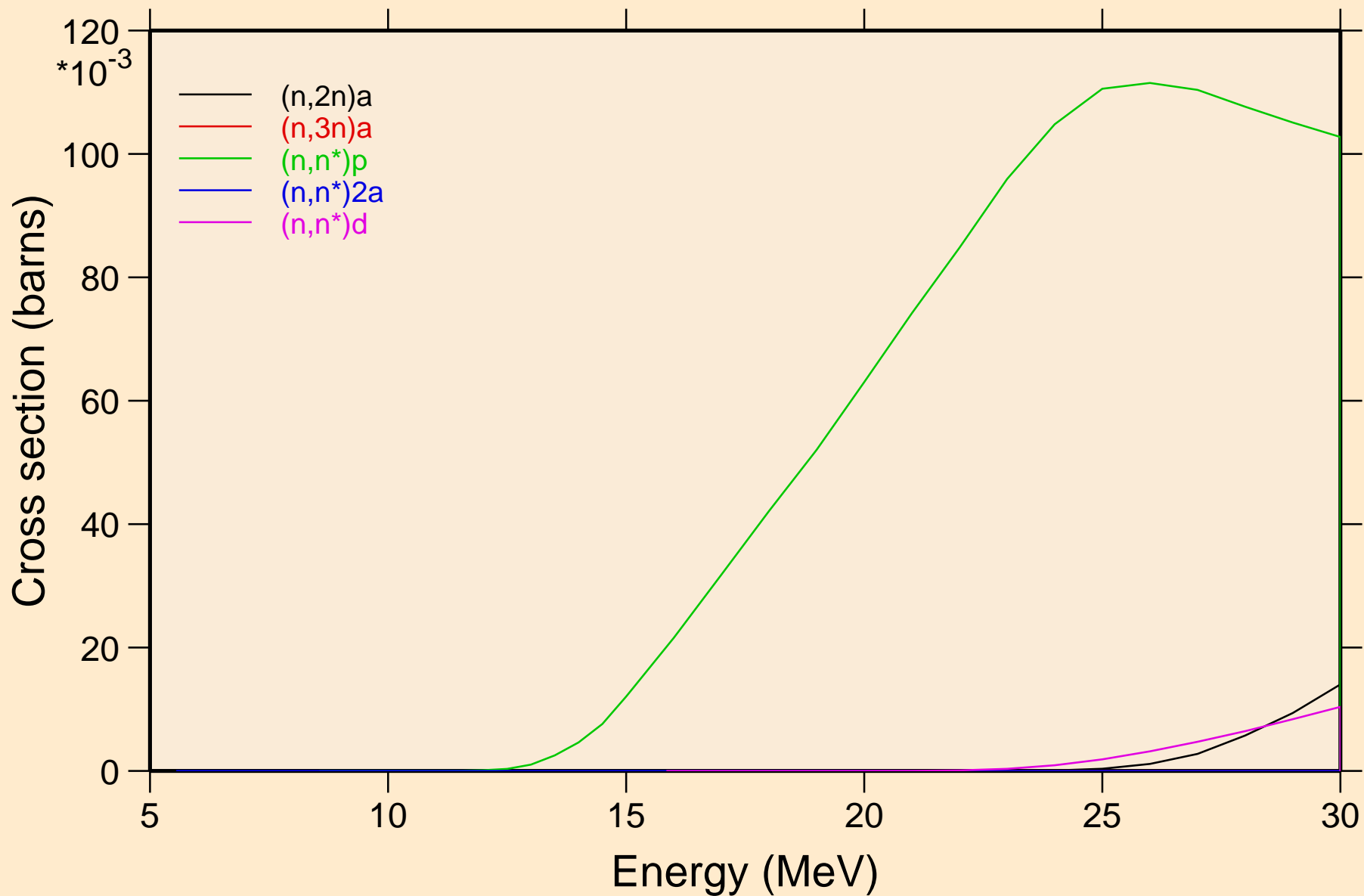
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



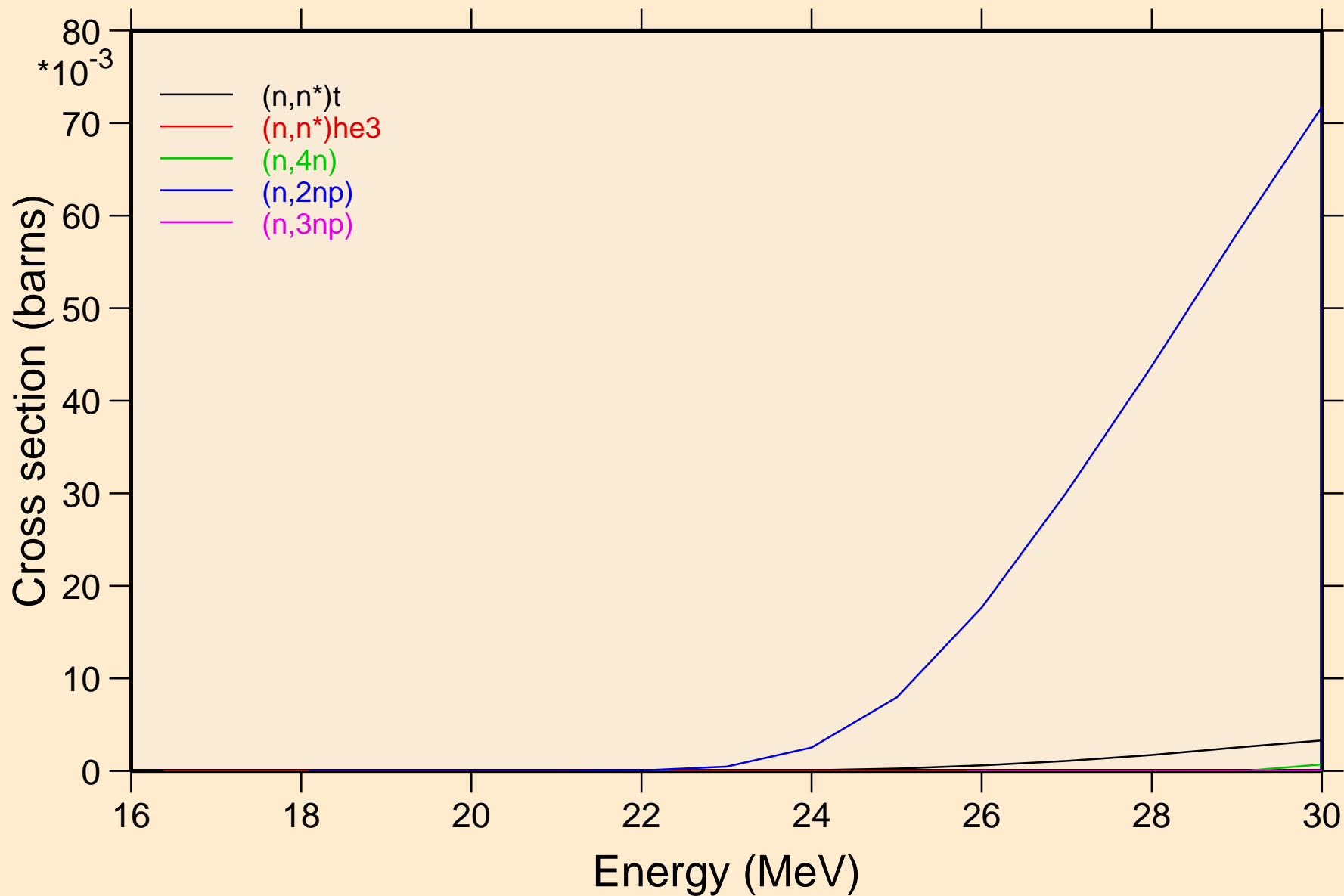
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



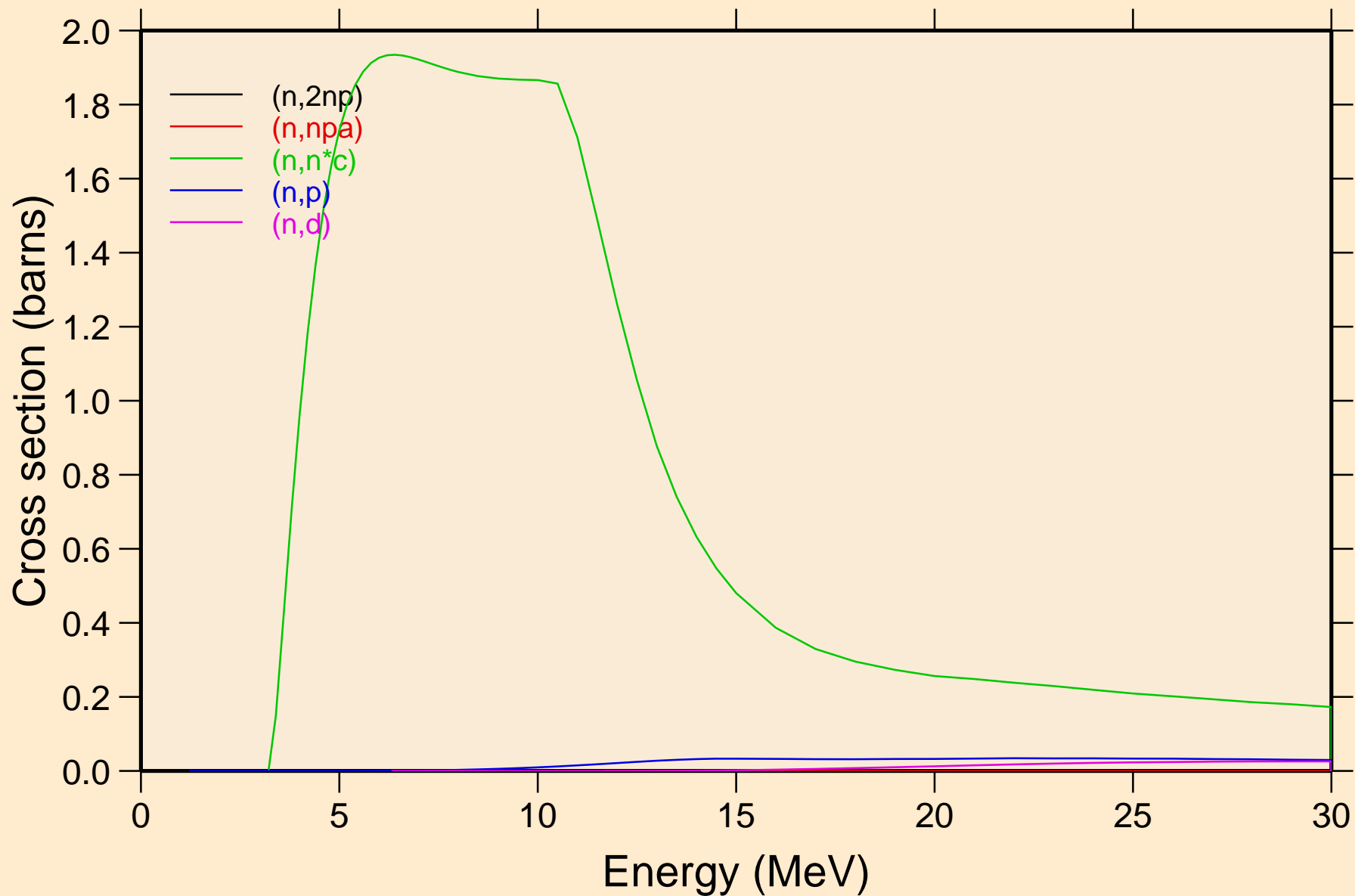
# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



# SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

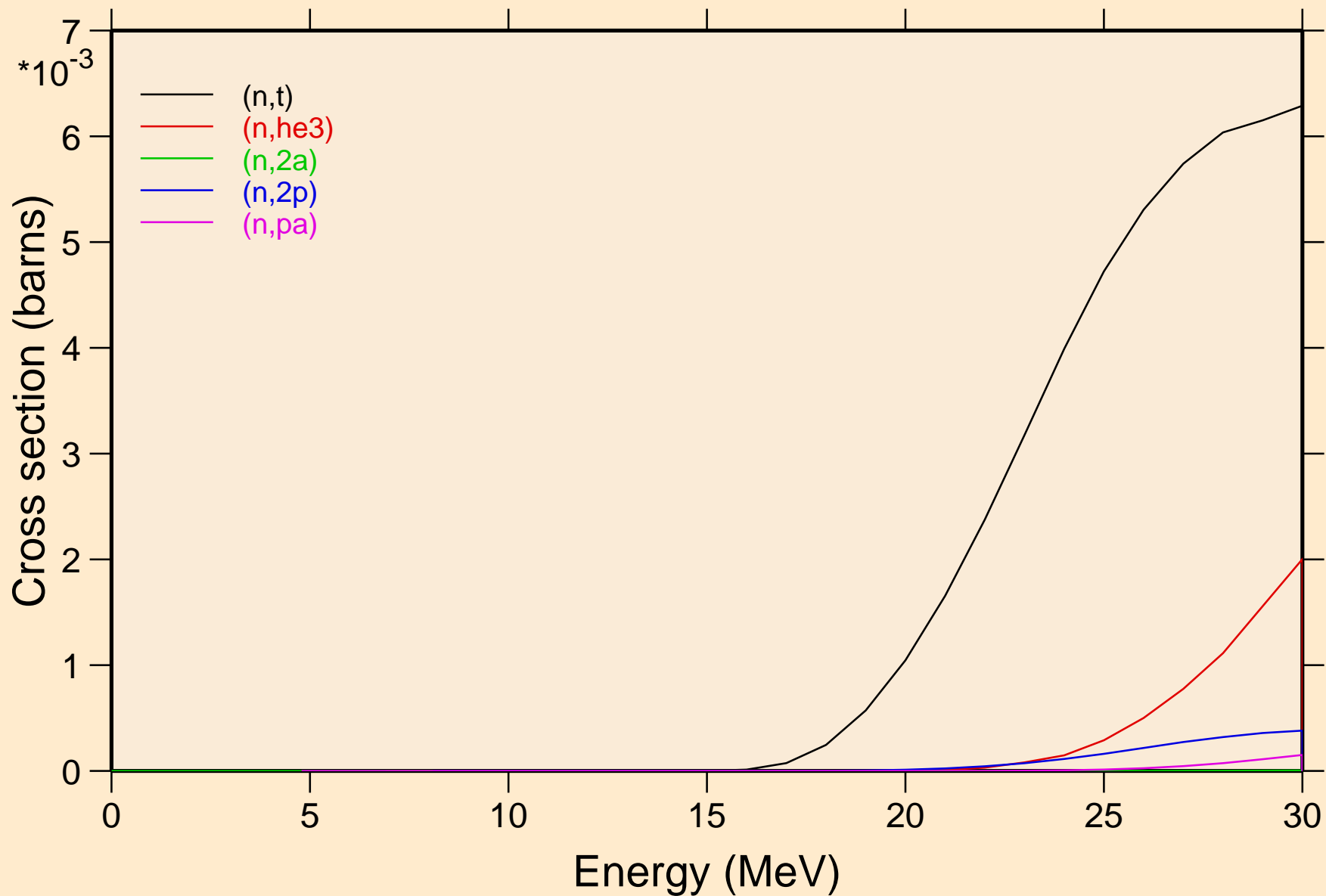
## Threshold reactions





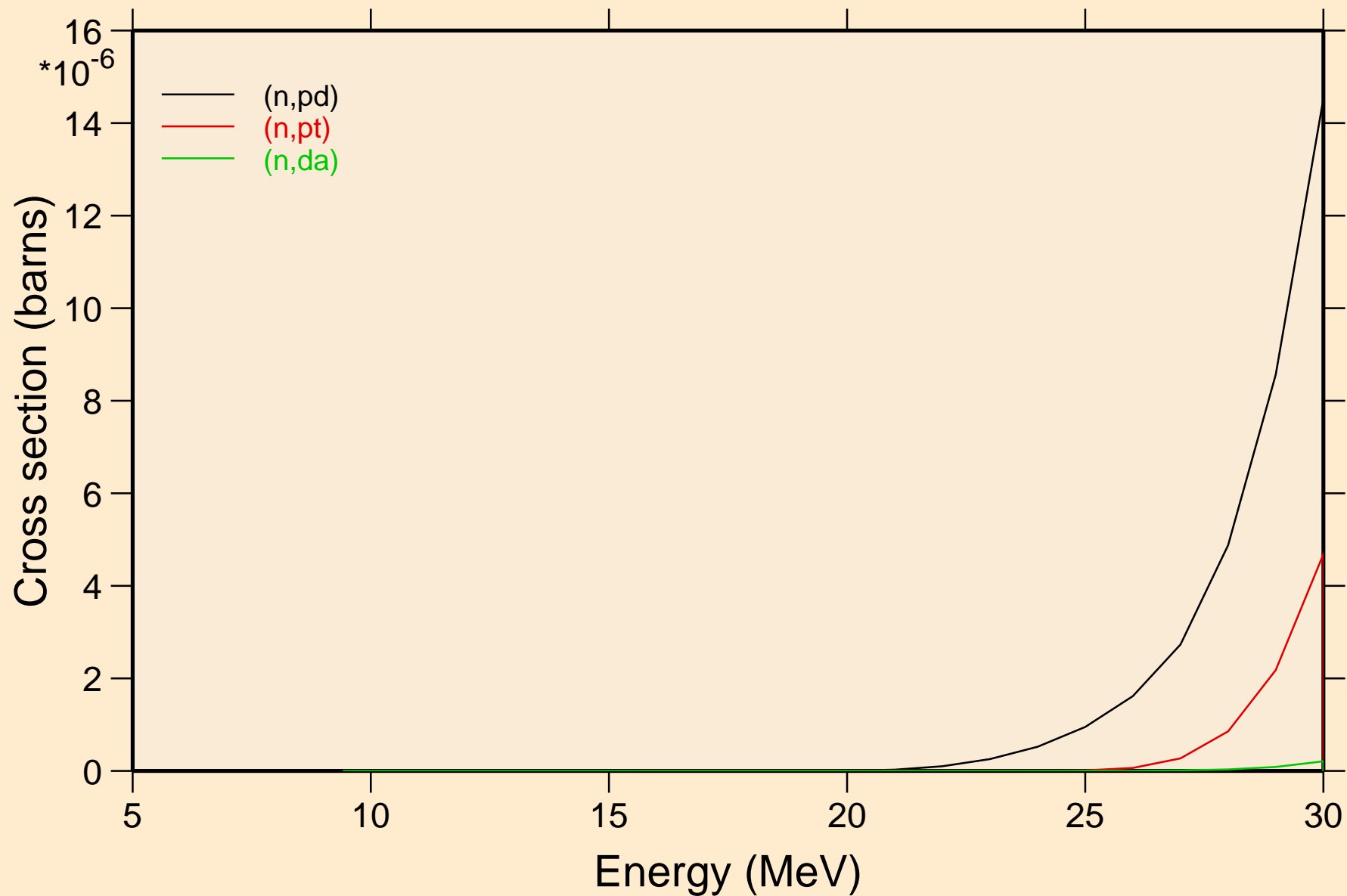
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## Threshold reactions

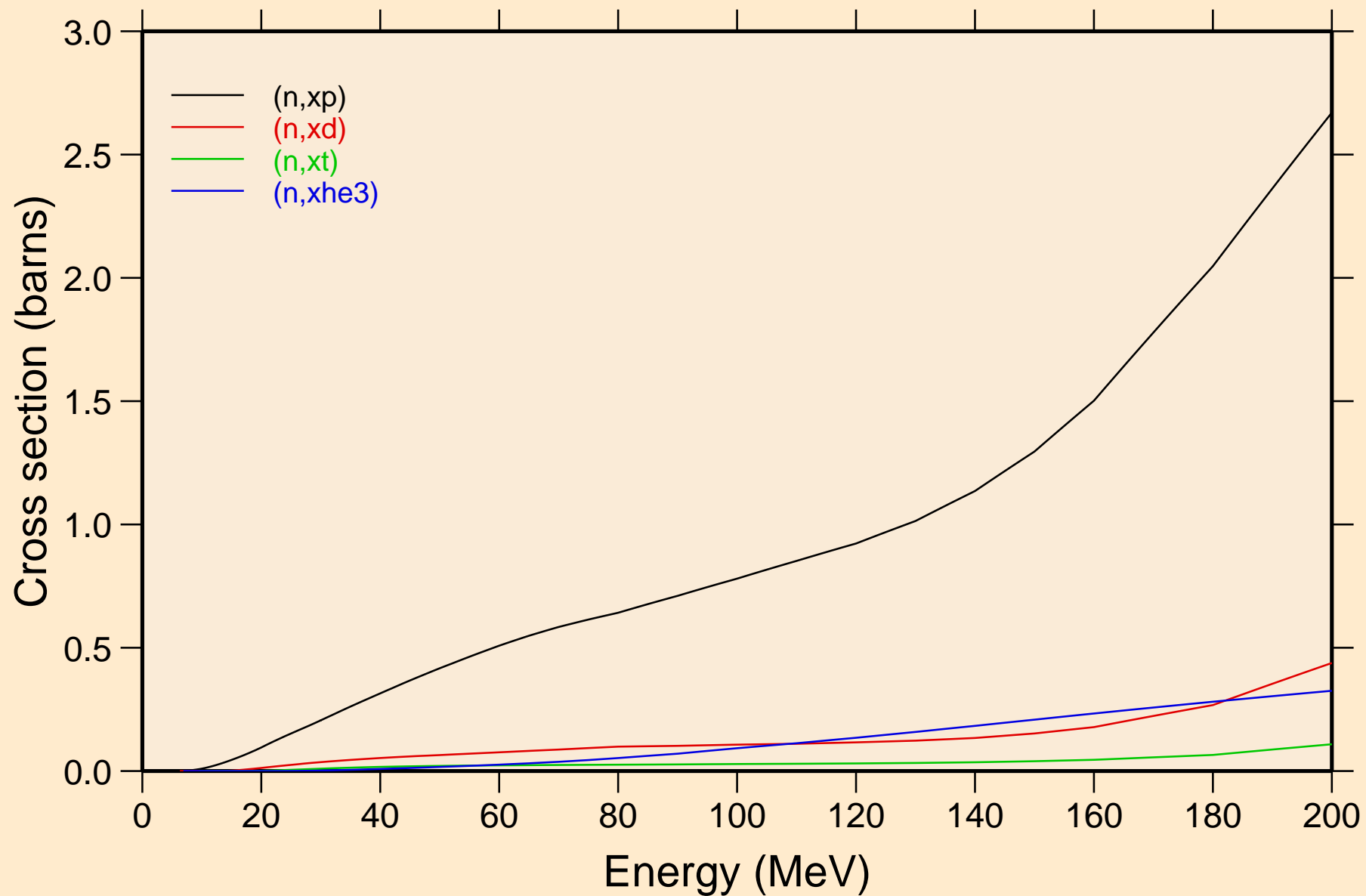


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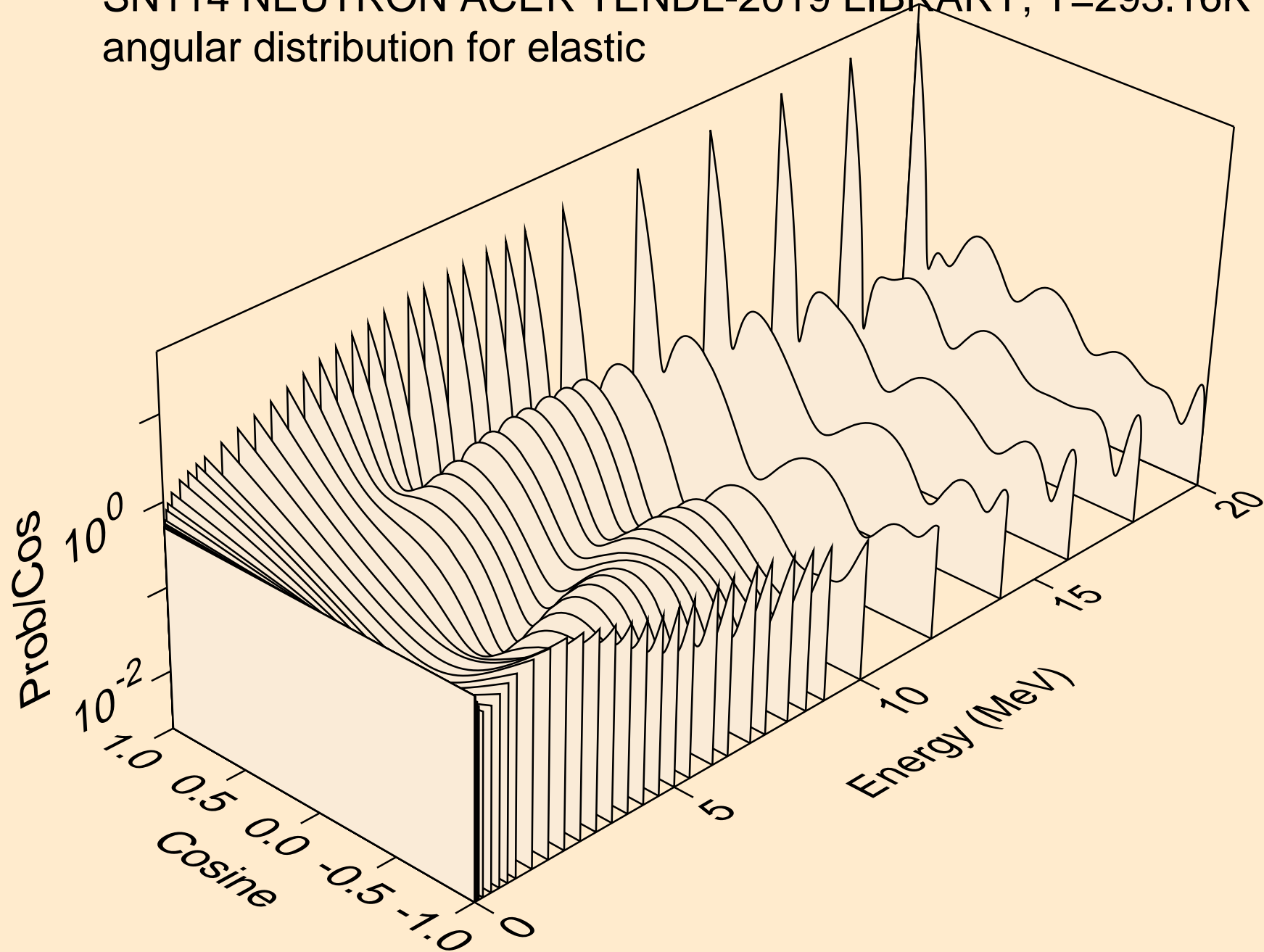
## Threshold reactions



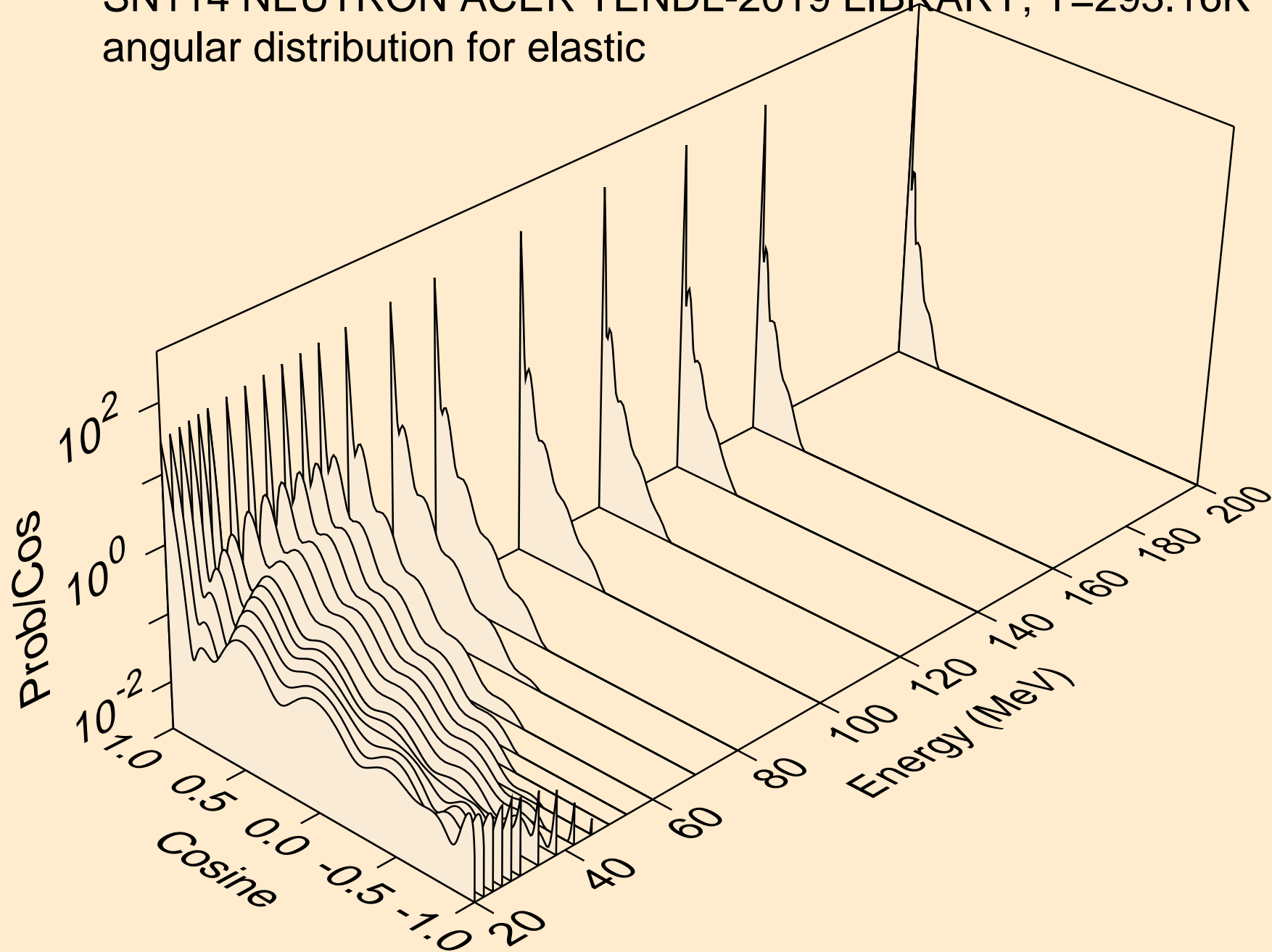
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



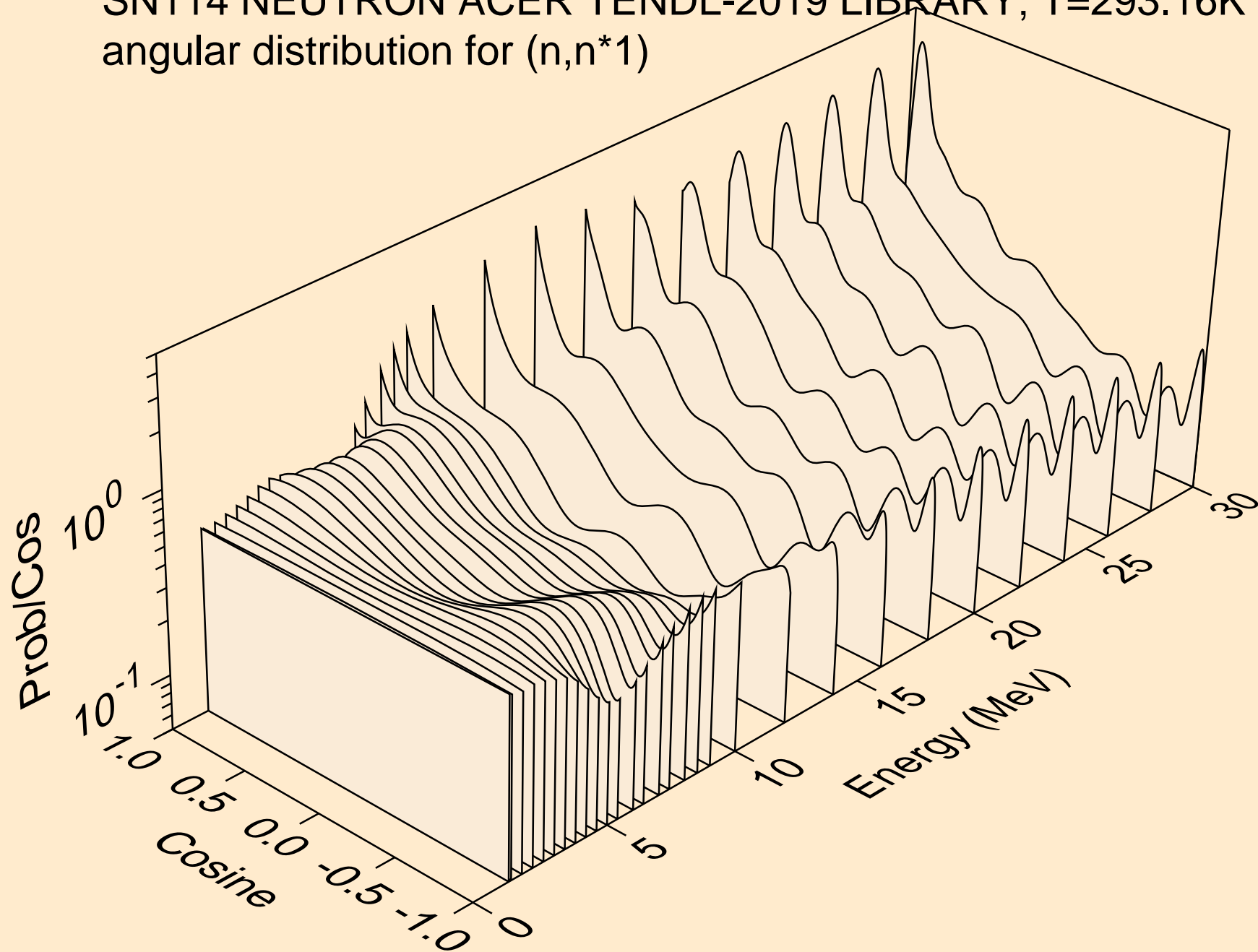
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



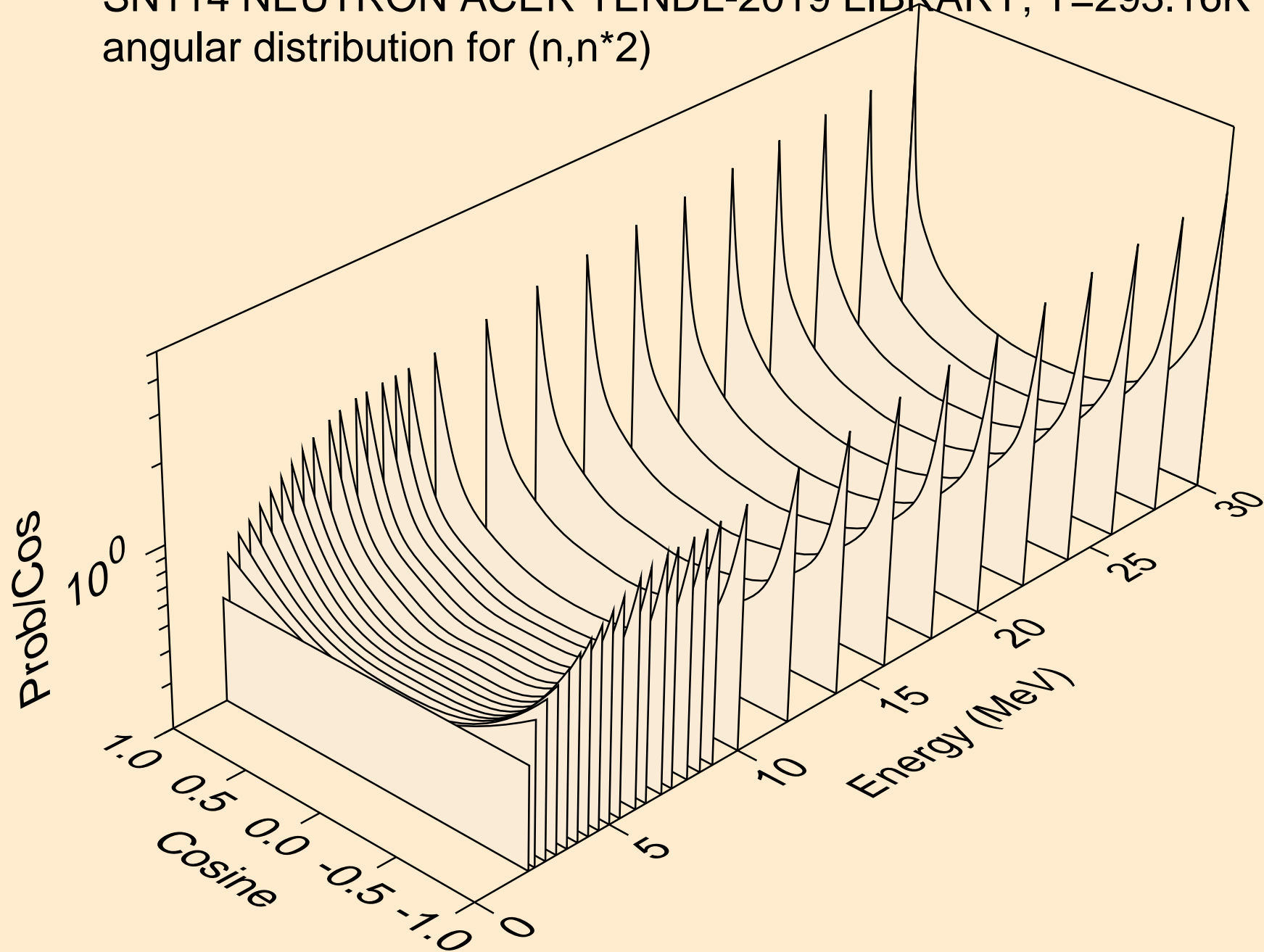
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angular distribution for elastic



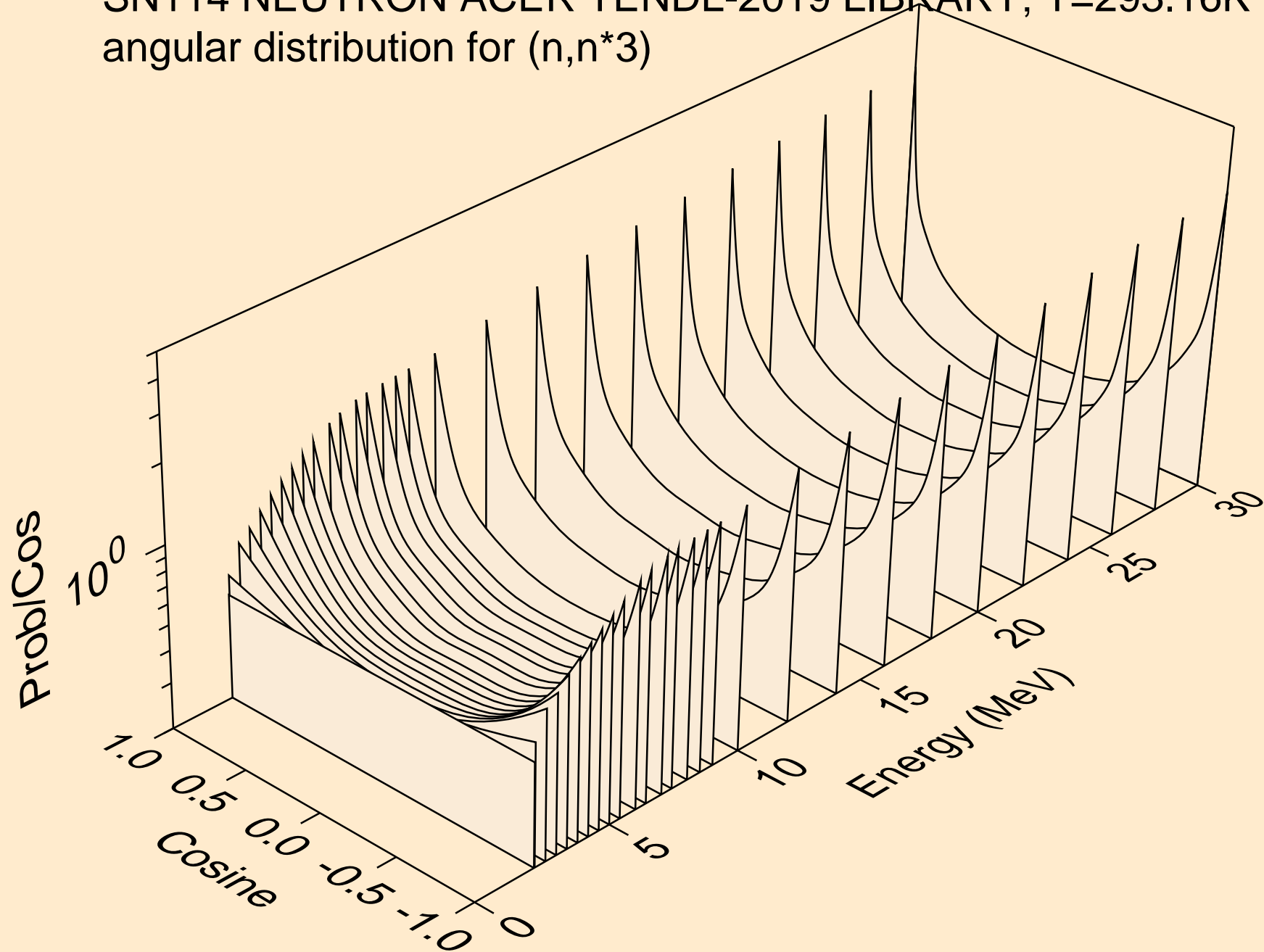
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

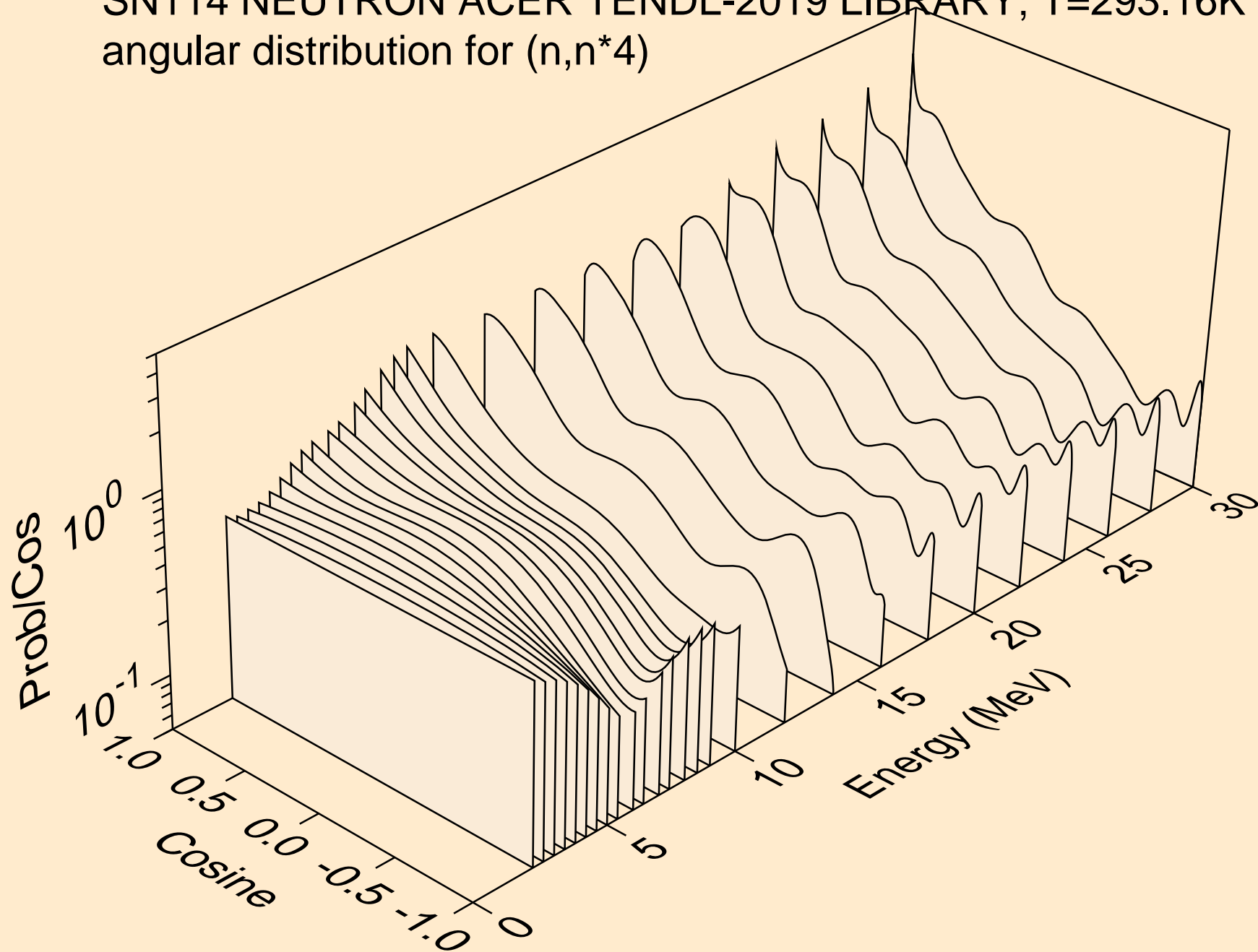


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angular distribution for (n,n\*3)

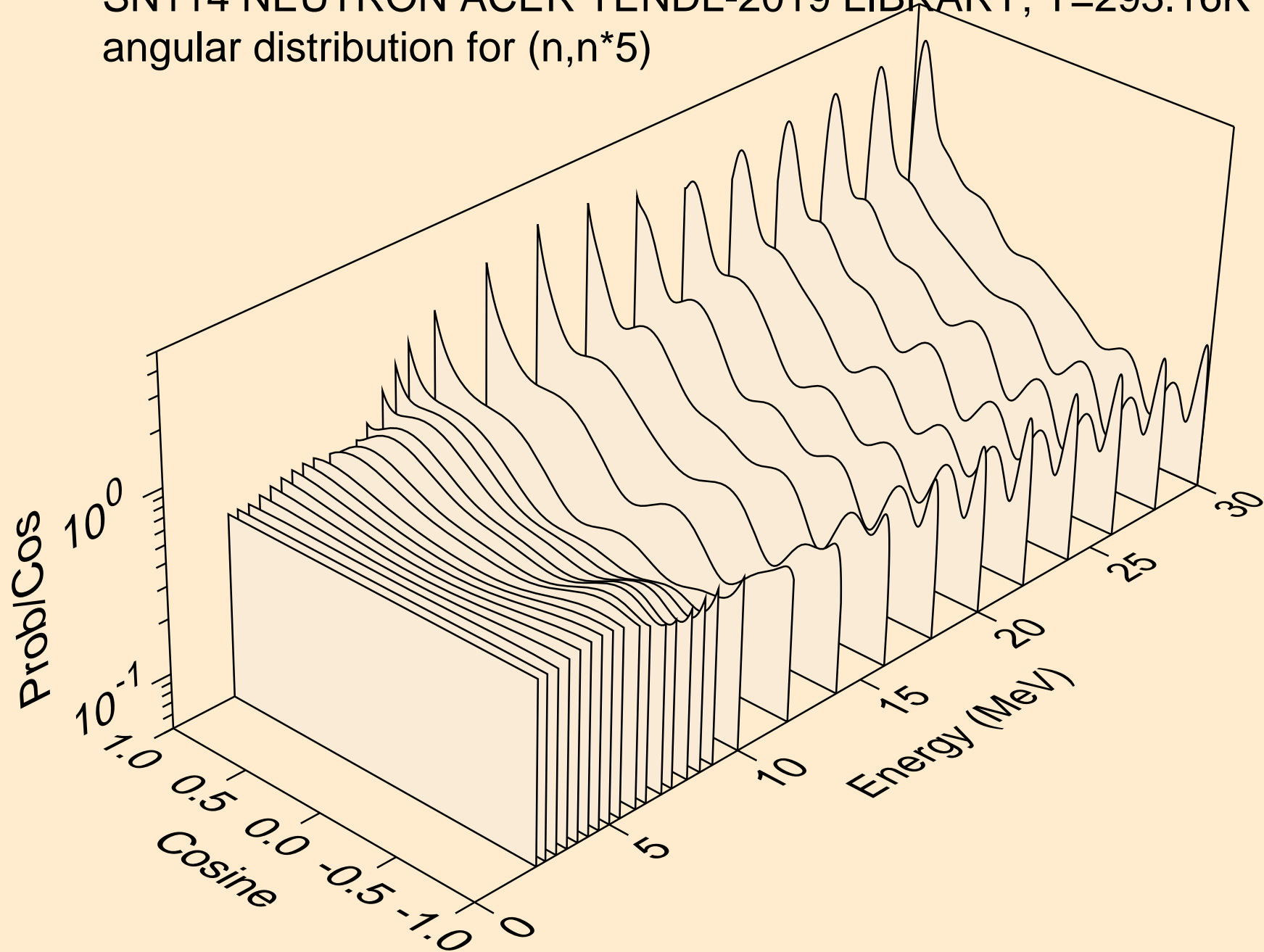




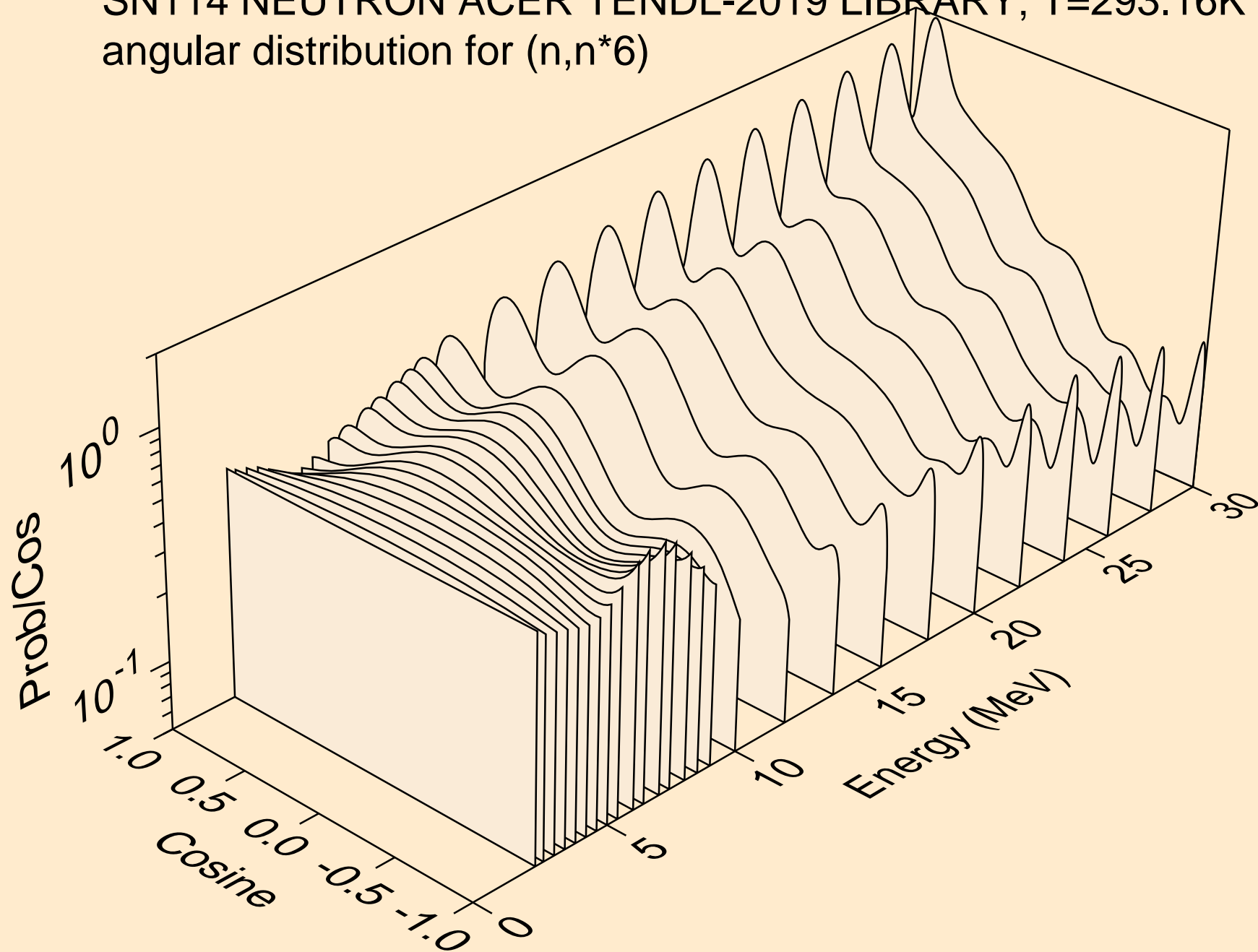
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angular distribution for (n,n\*4)



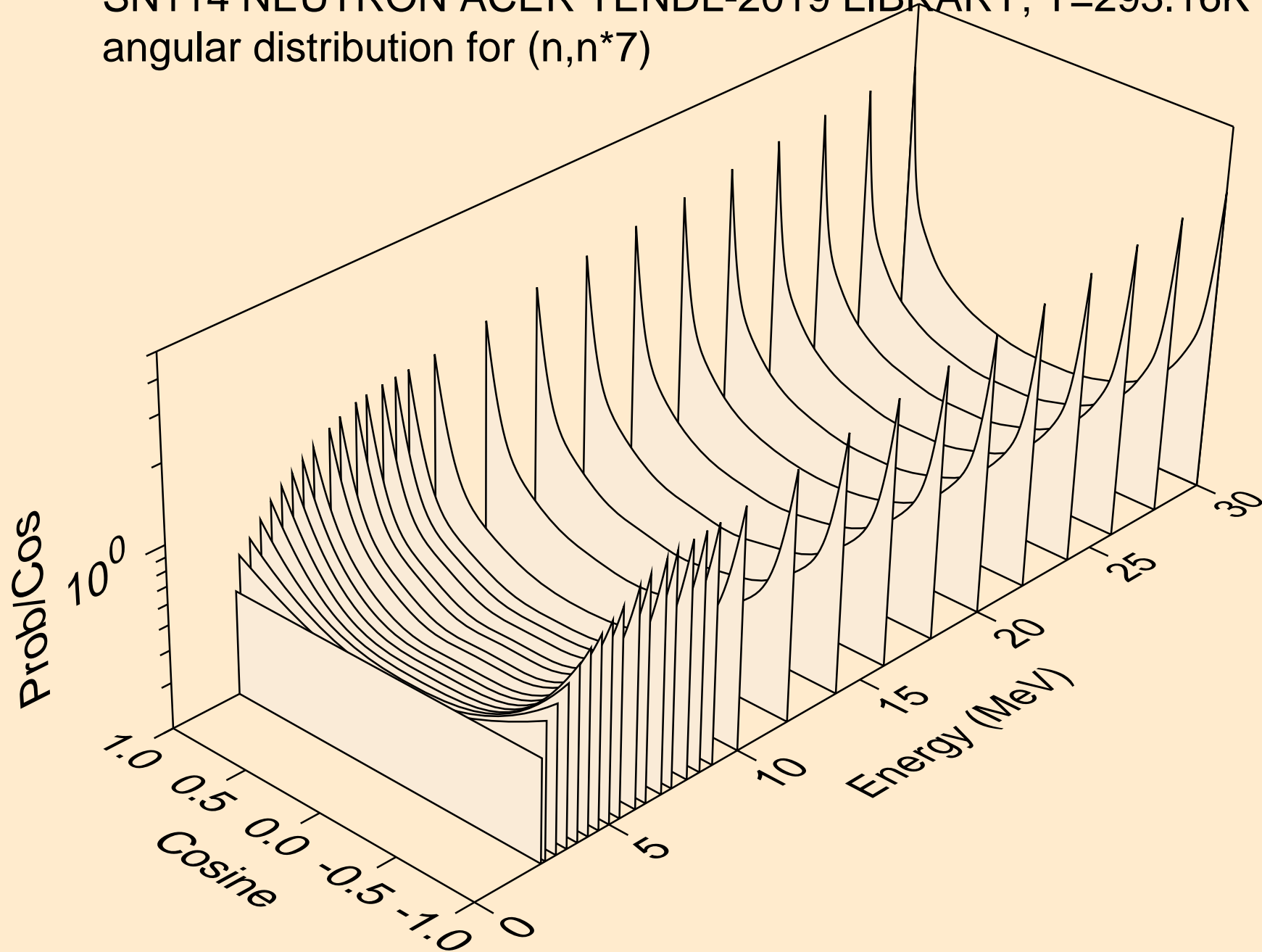
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angular distribution for (n,n\*5)



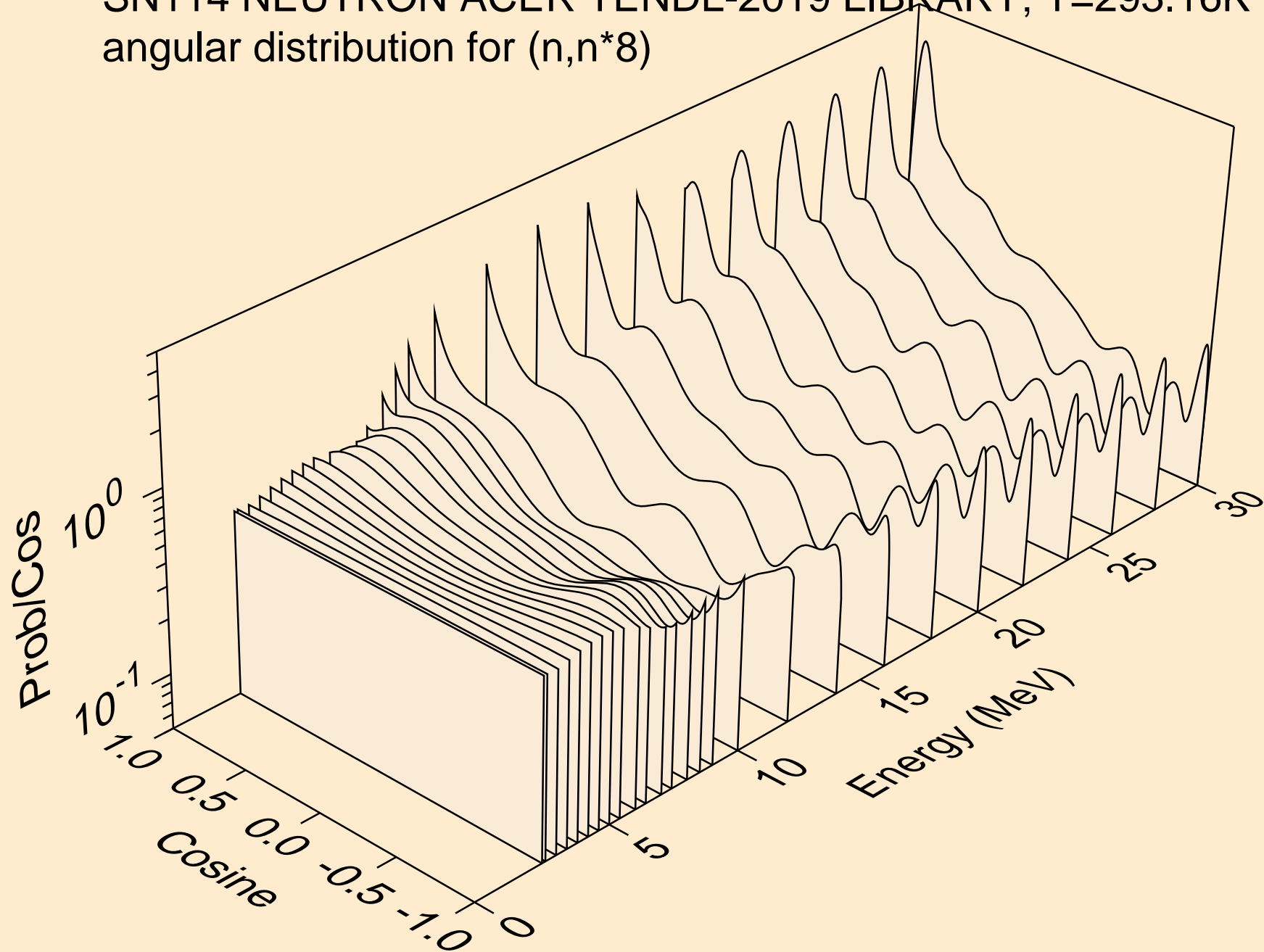
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angular distribution for (n,n\*6)



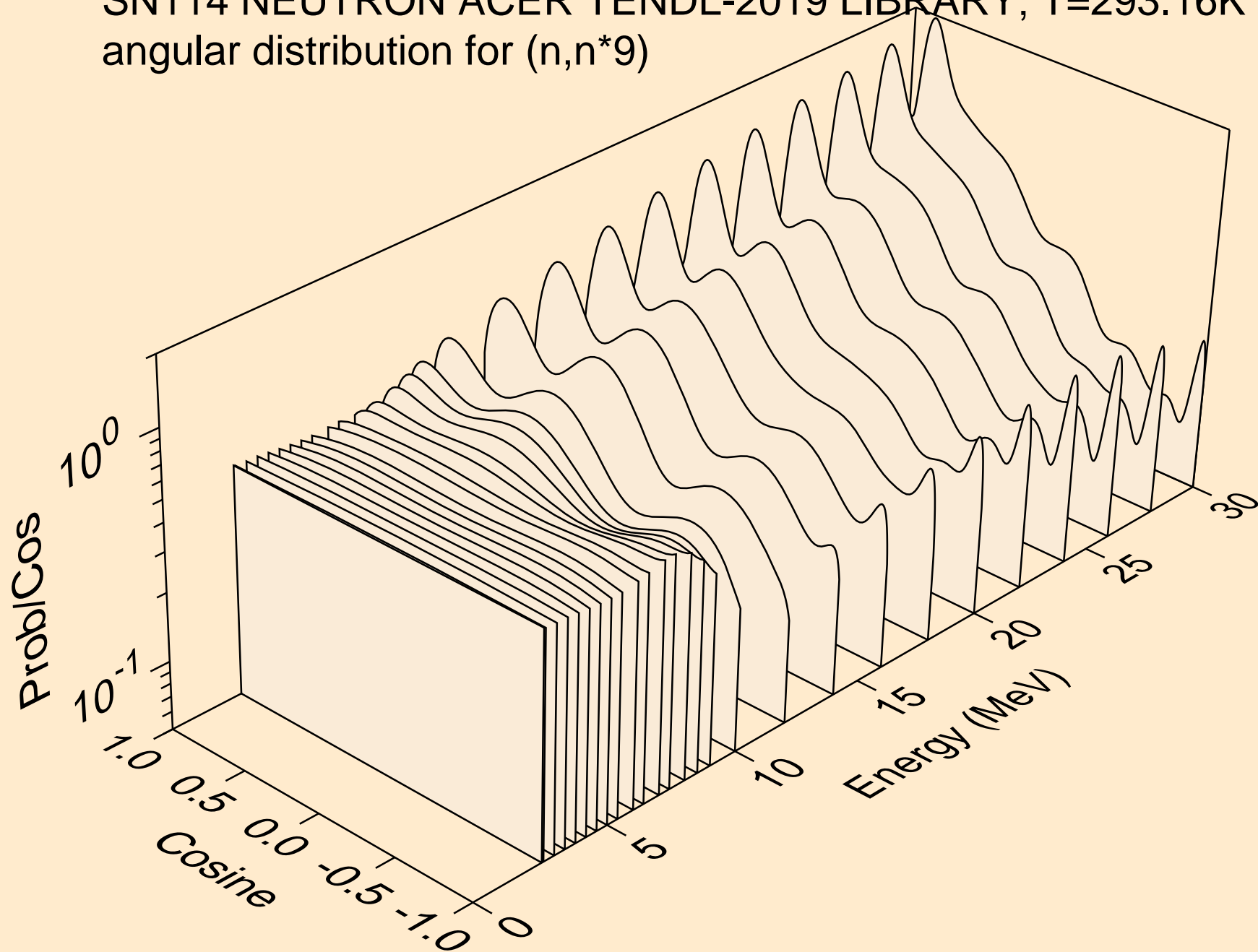
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angular distribution for (n,n\*7)



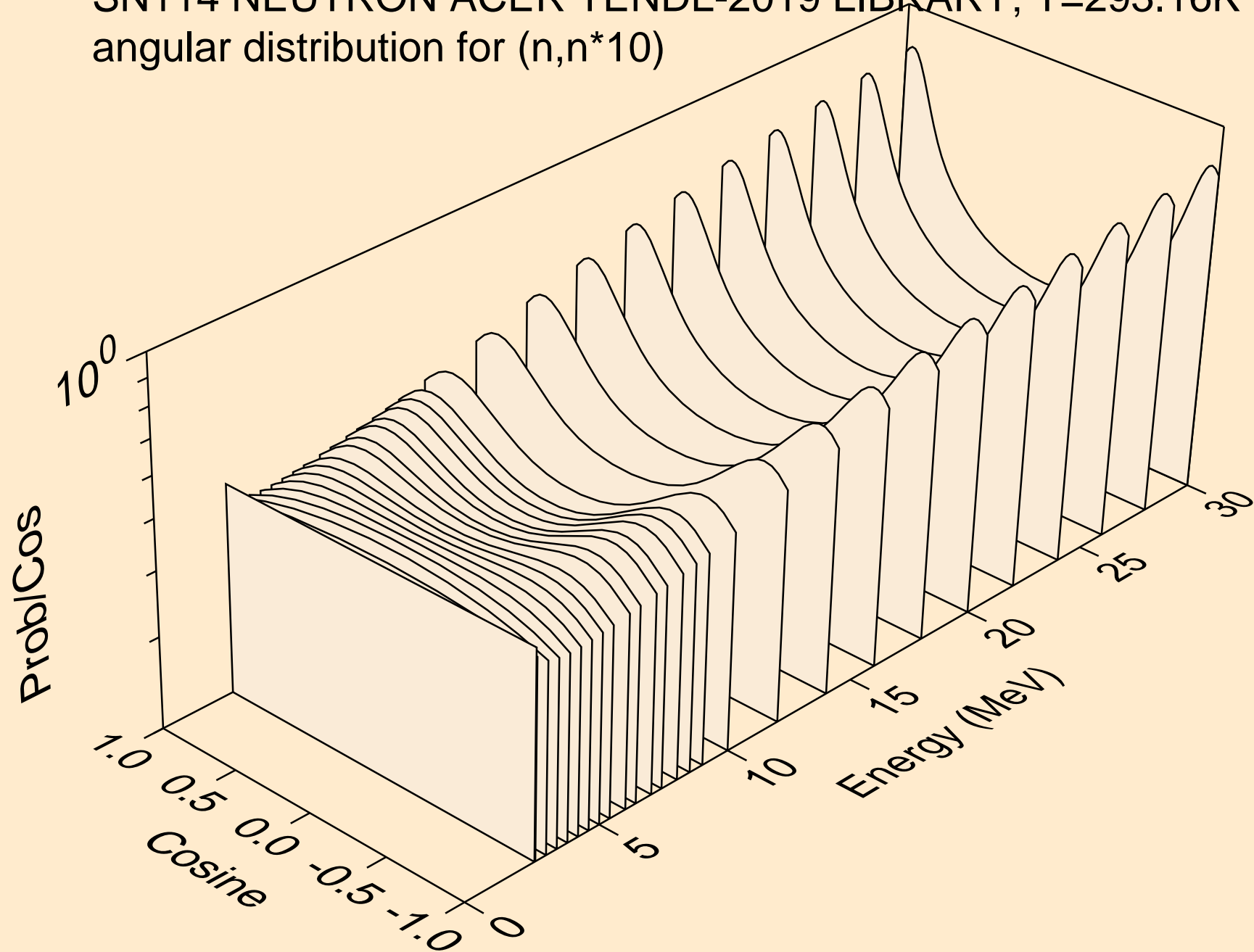
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angular distribution for (n,n\*8)



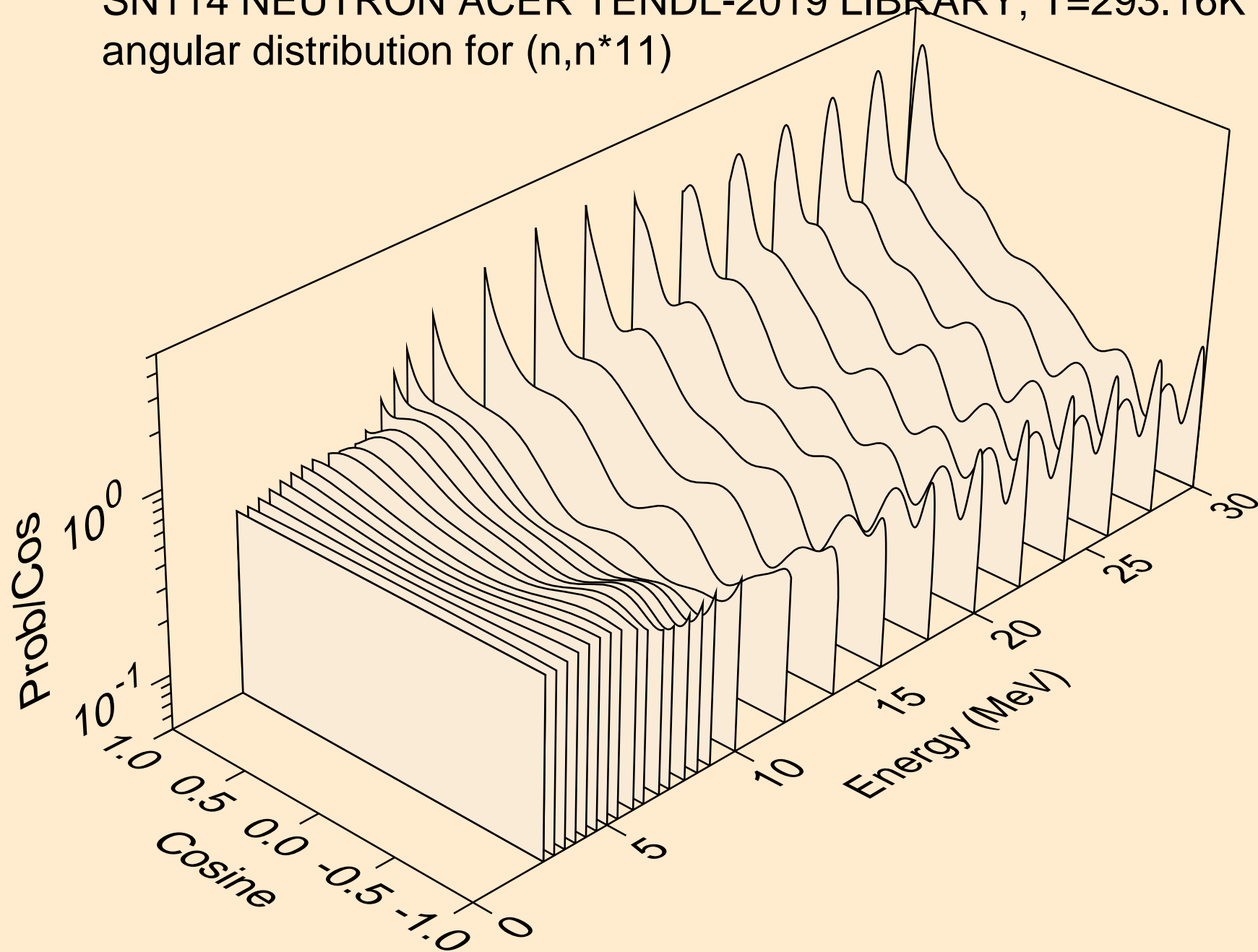
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

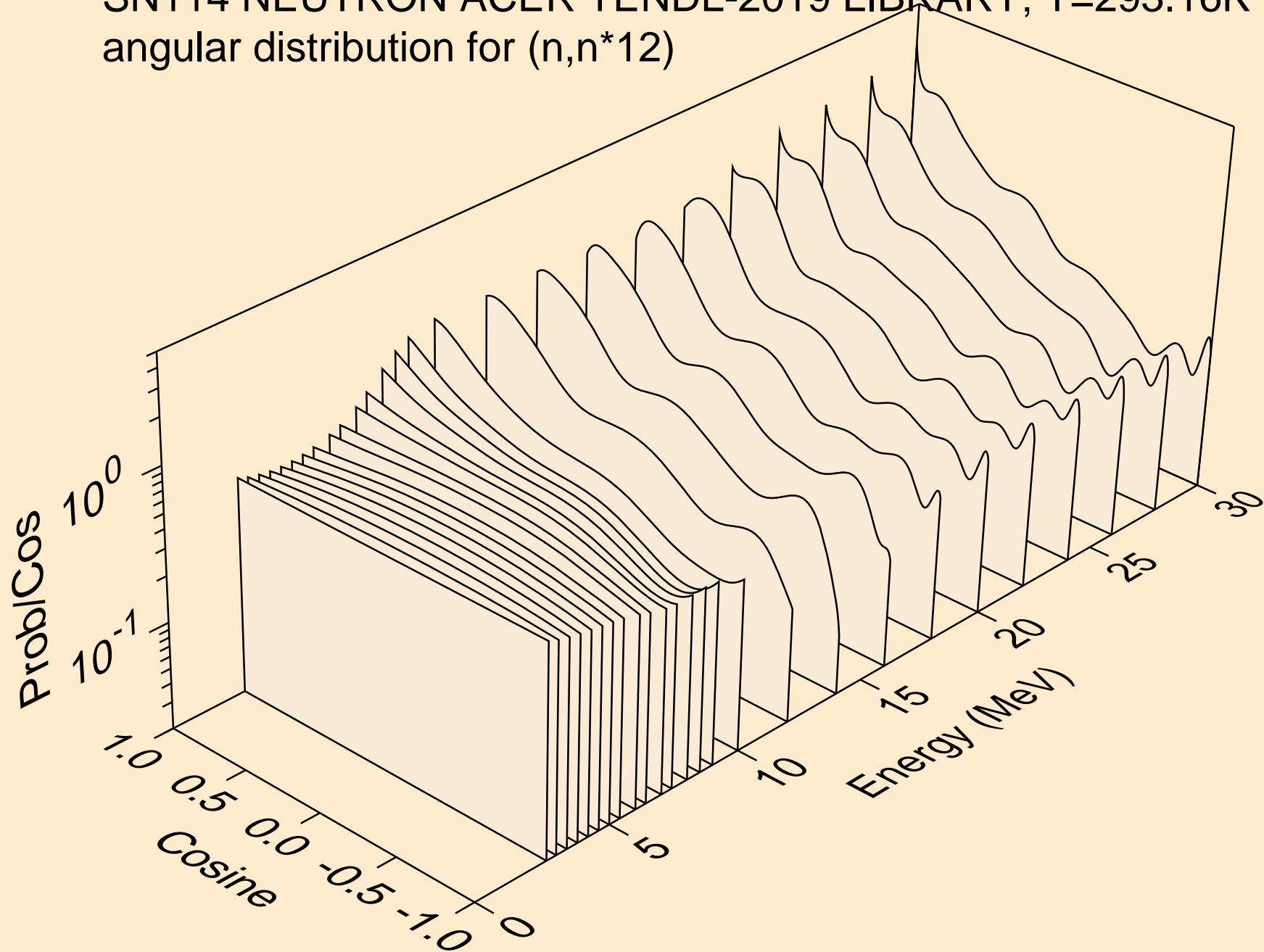


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angular distribution for (n,n\*11)

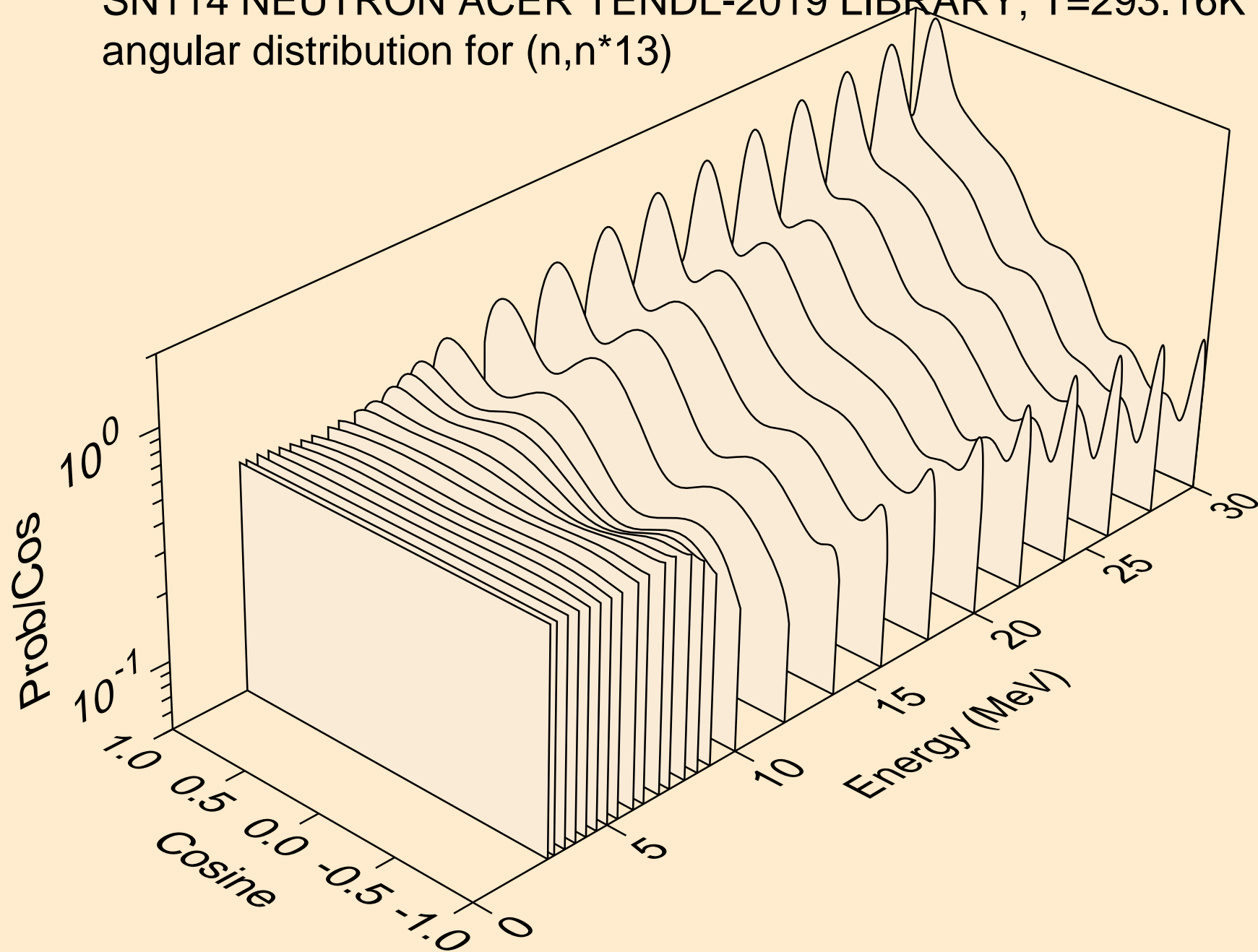




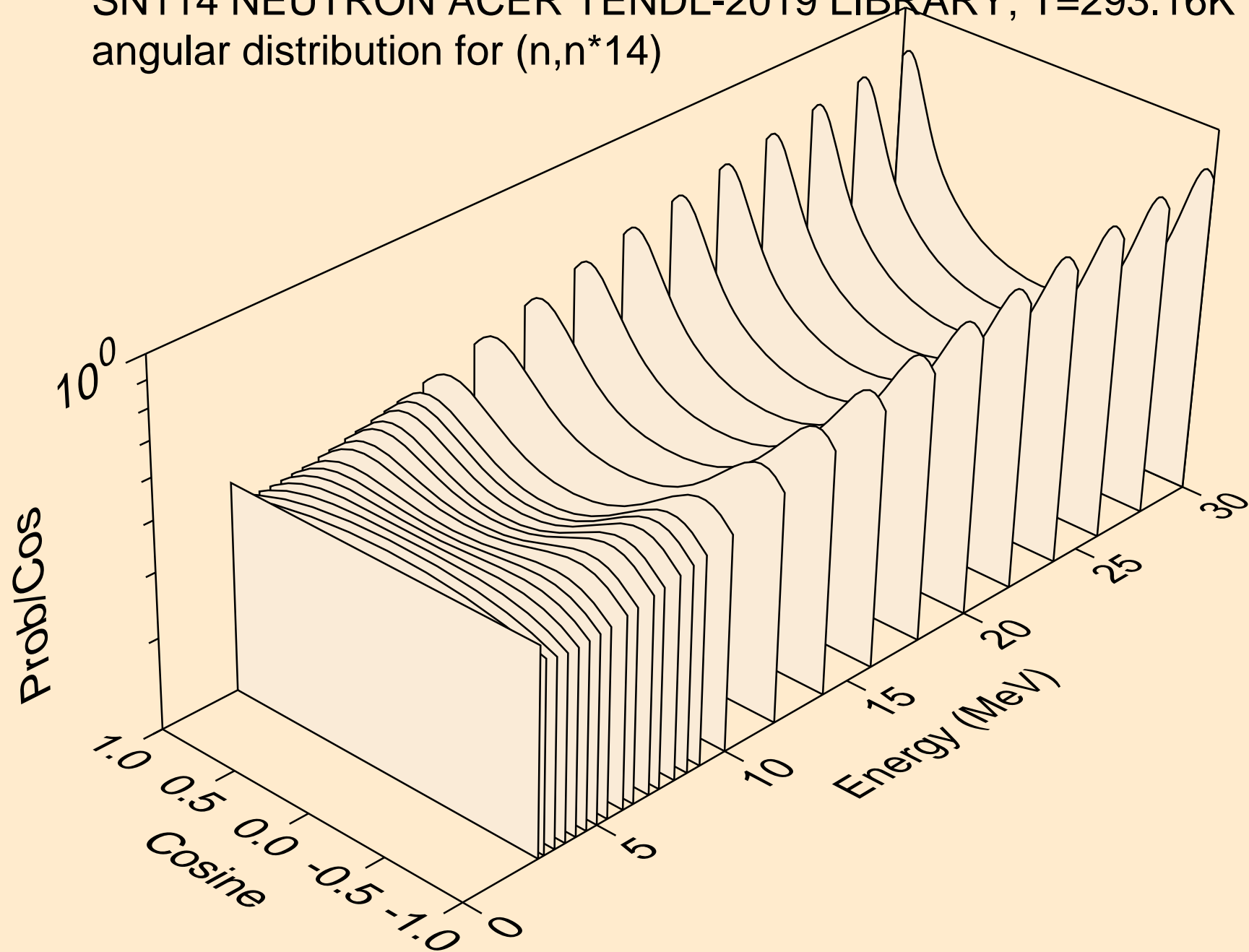
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angular distribution for (n,n\*12)



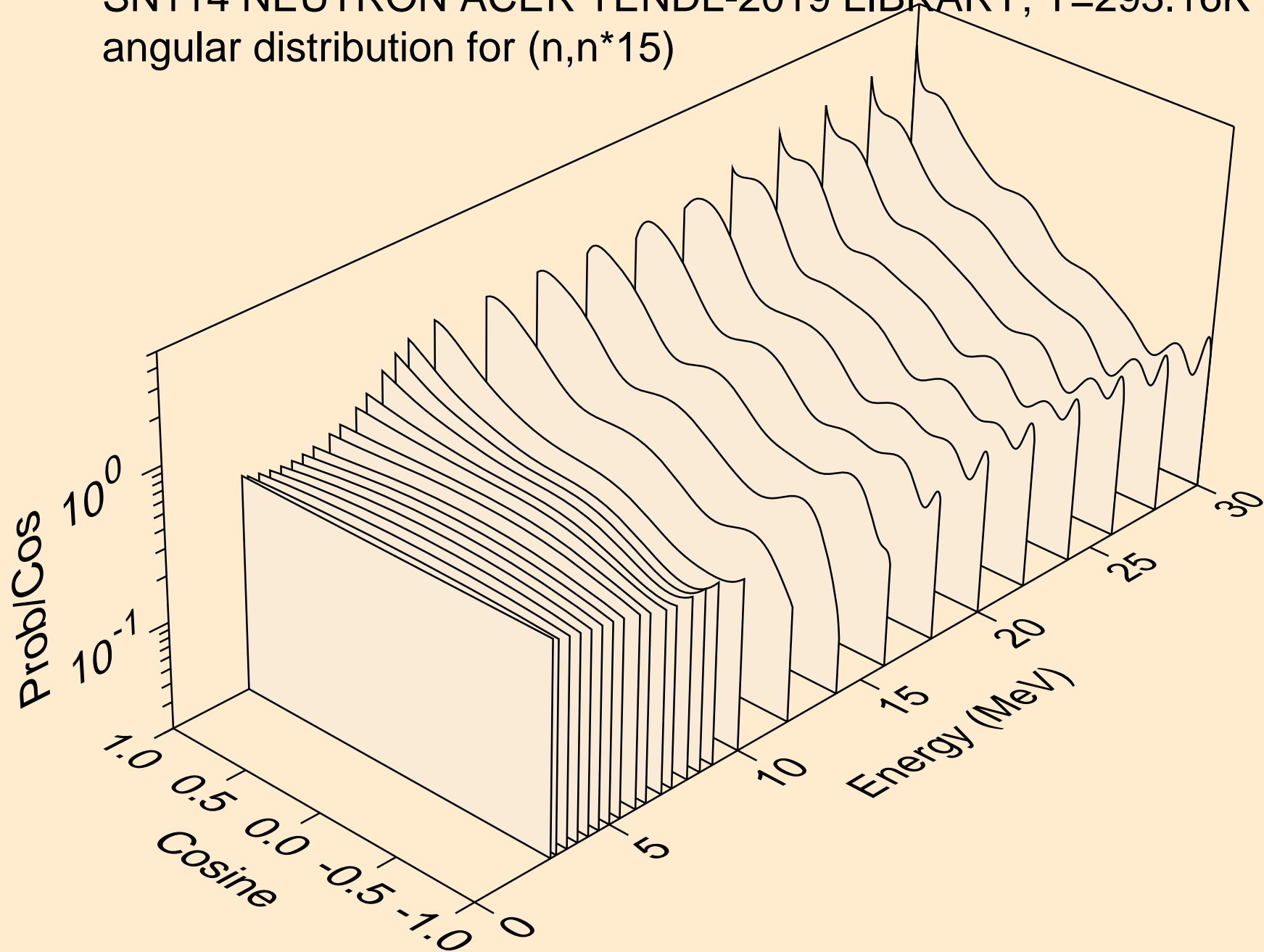
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angular distribution for (n,n\*13)



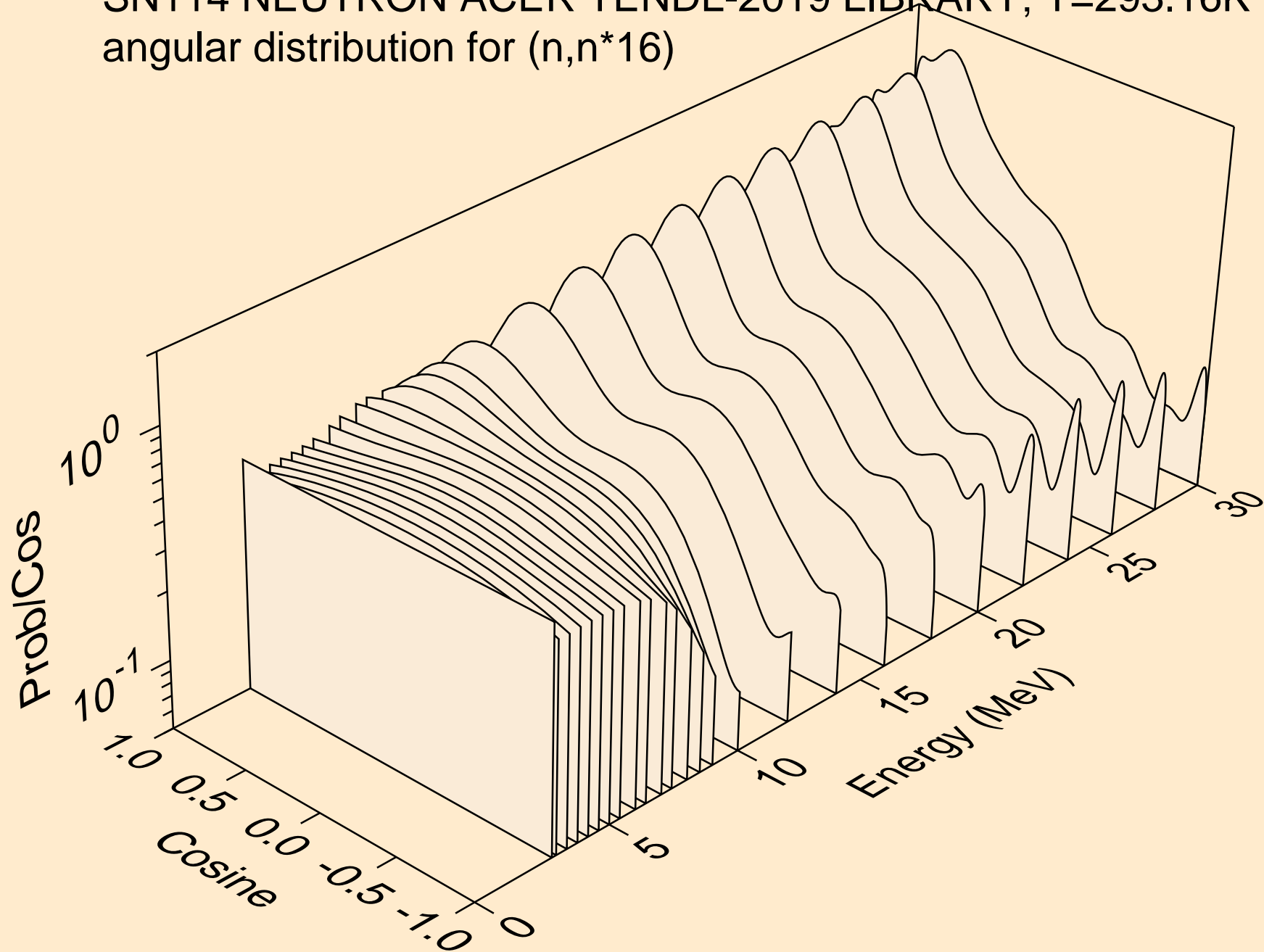
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angular distribution for (n,n\*14)



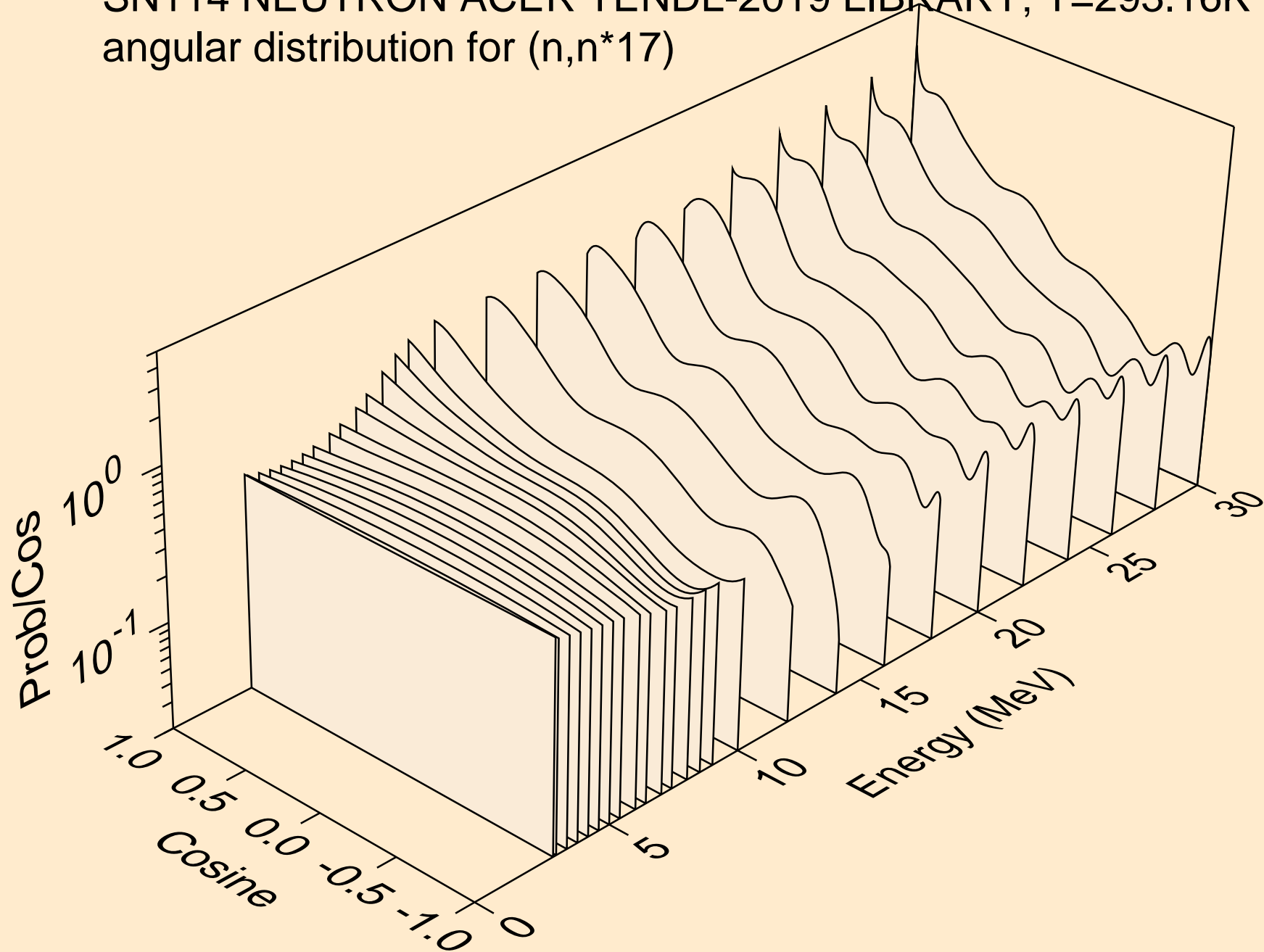
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angular distribution for (n,n\*15)



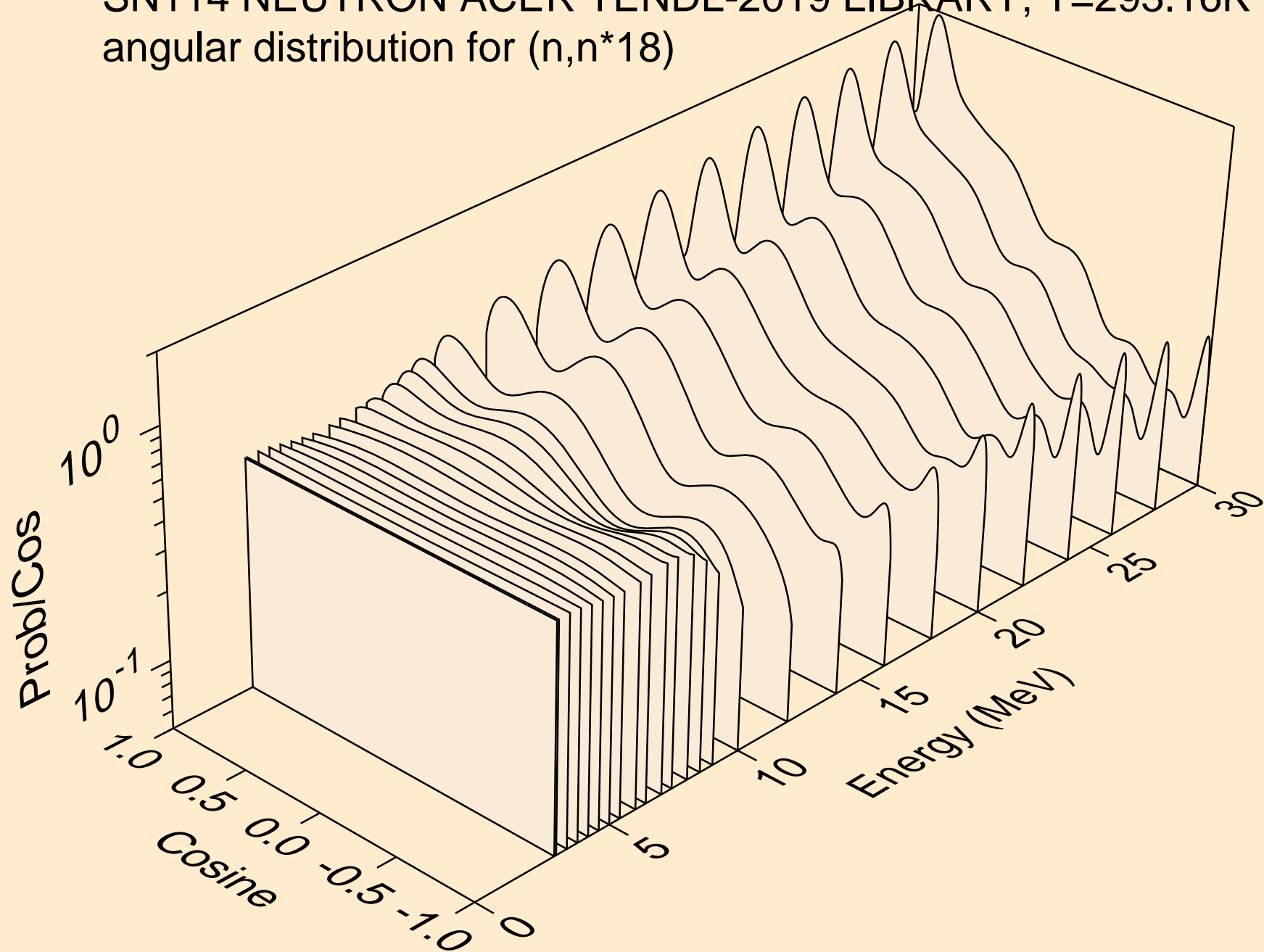
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angular distribution for (n,n\*16)



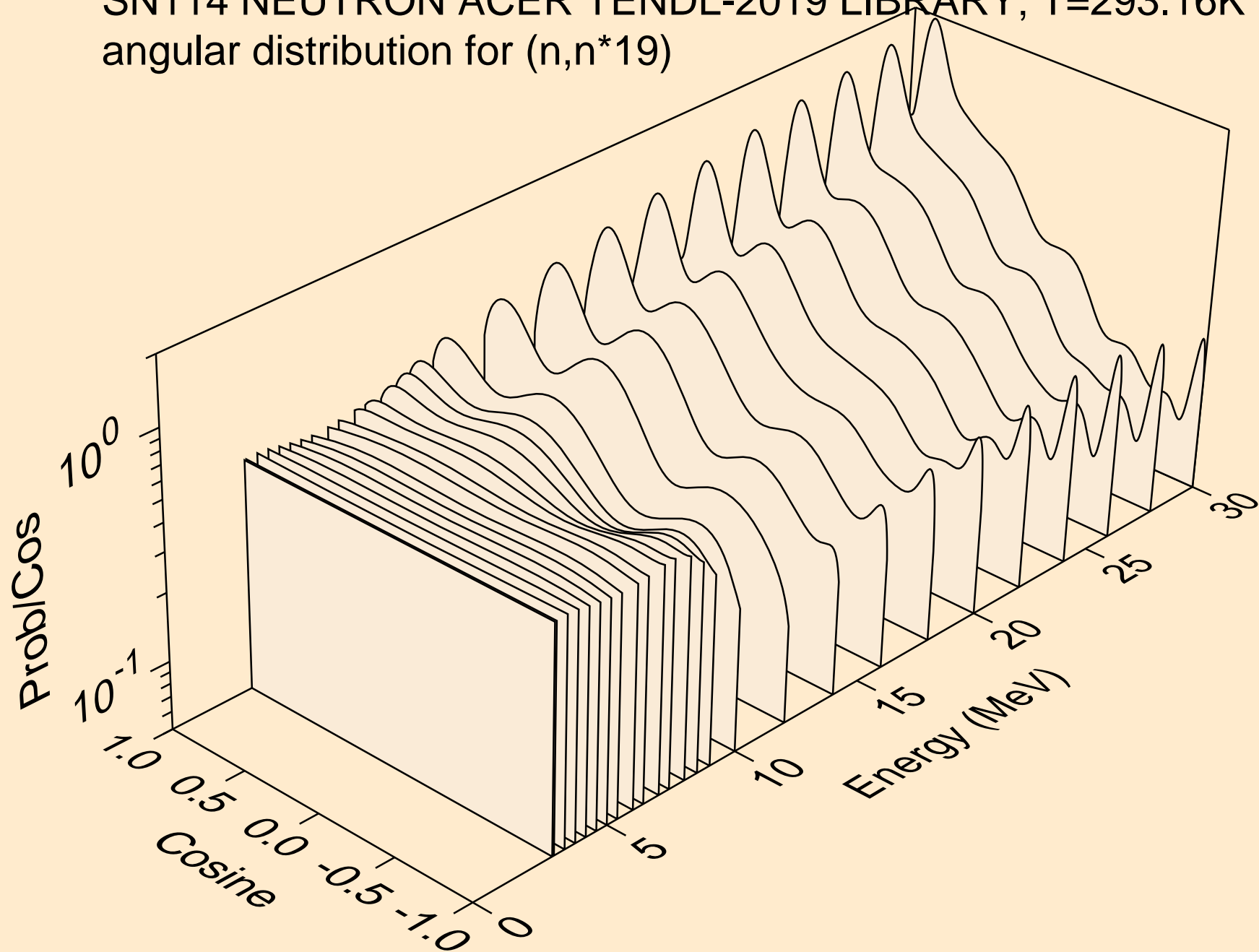
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angular distribution for (n,n\*17)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

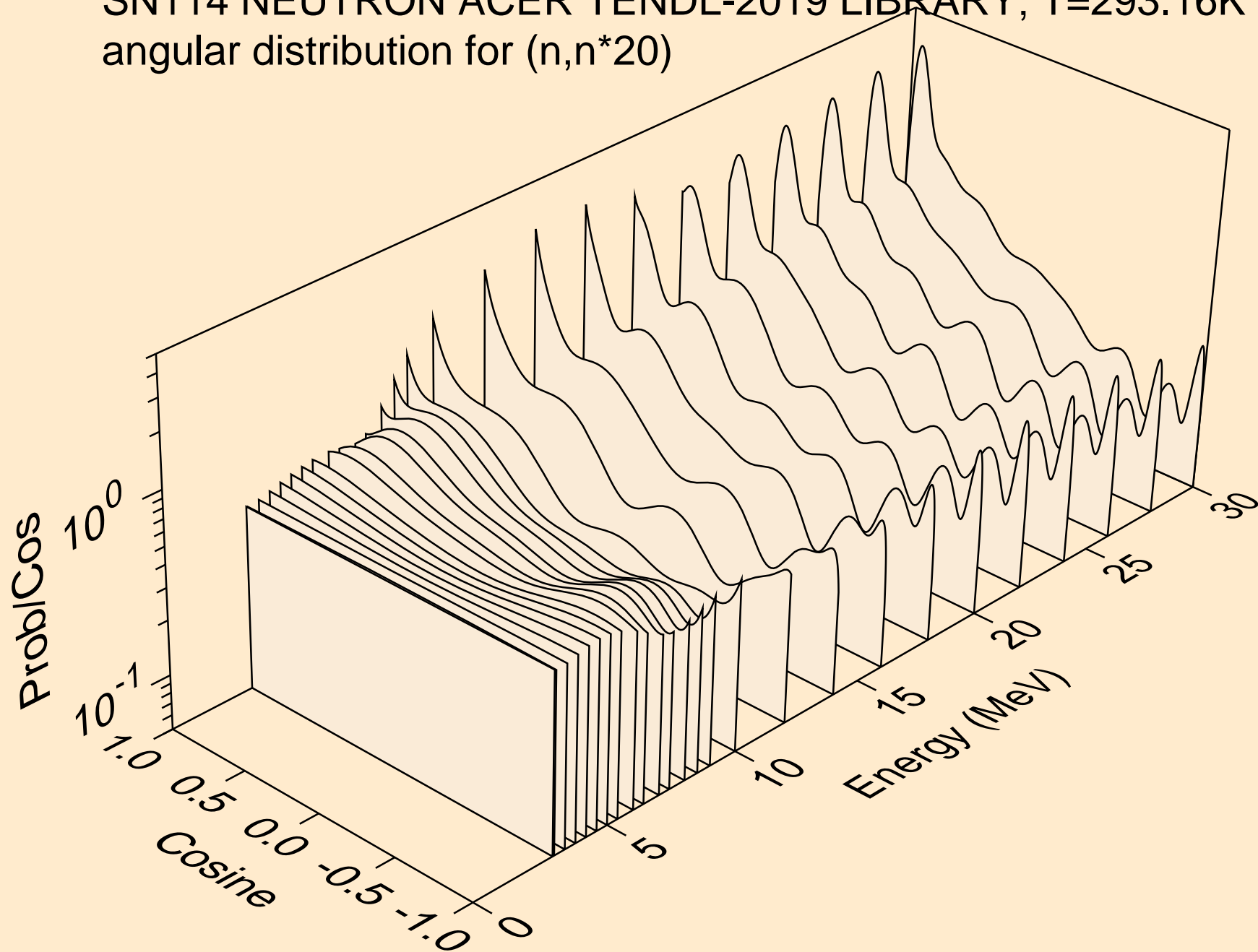


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angular distribution for (n,n\*19)

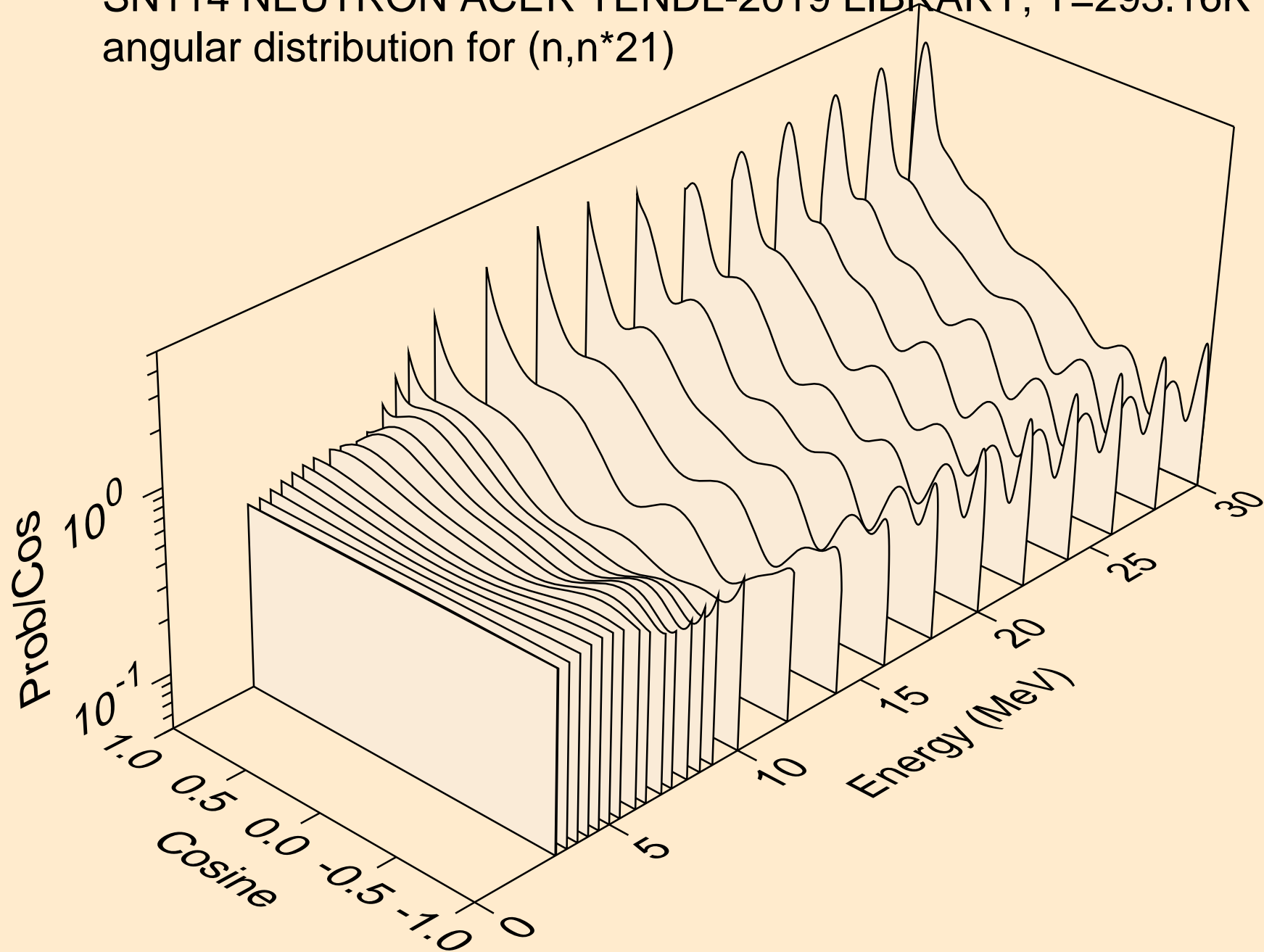




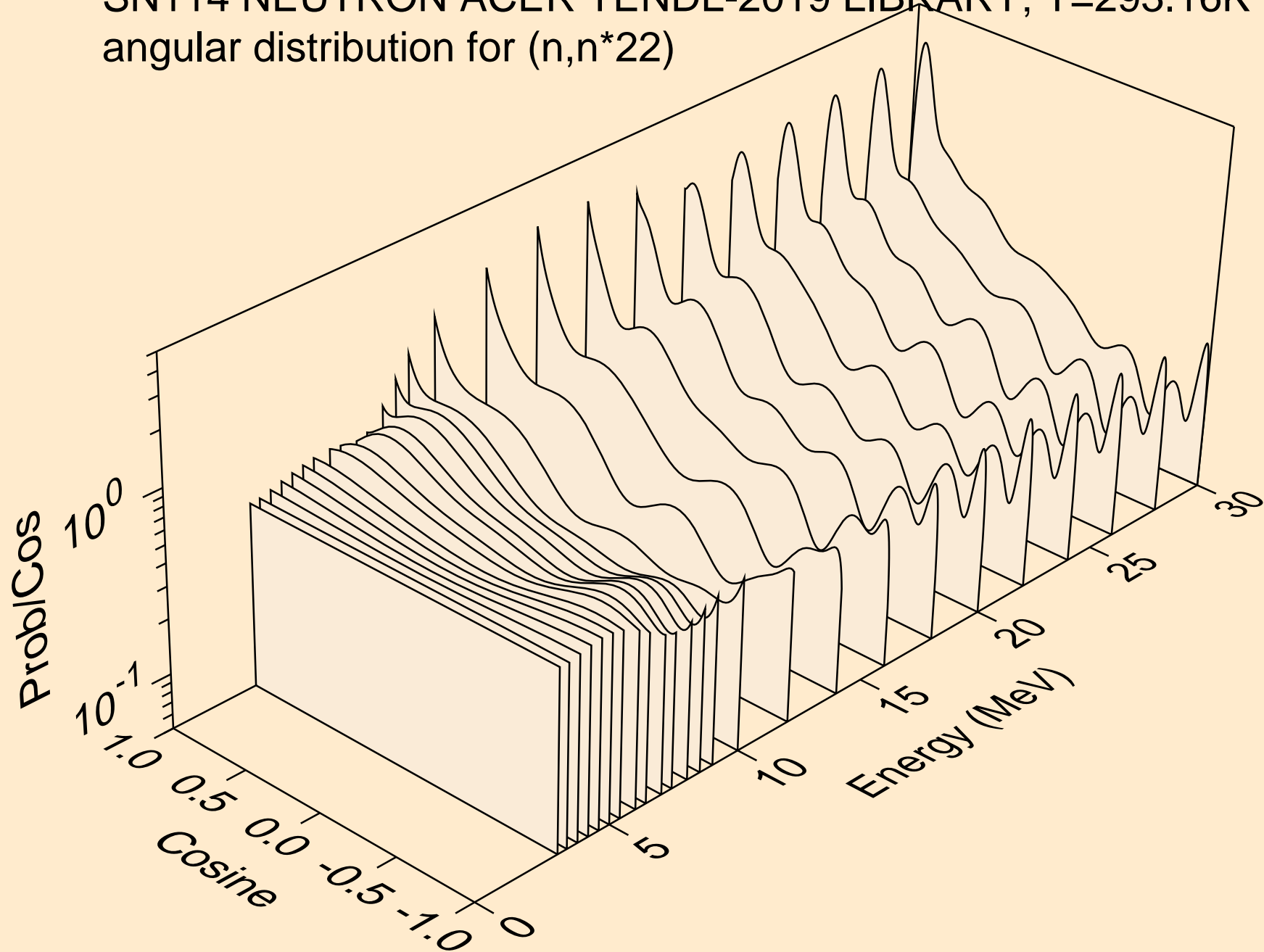
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angular distribution for (n,n\*20)



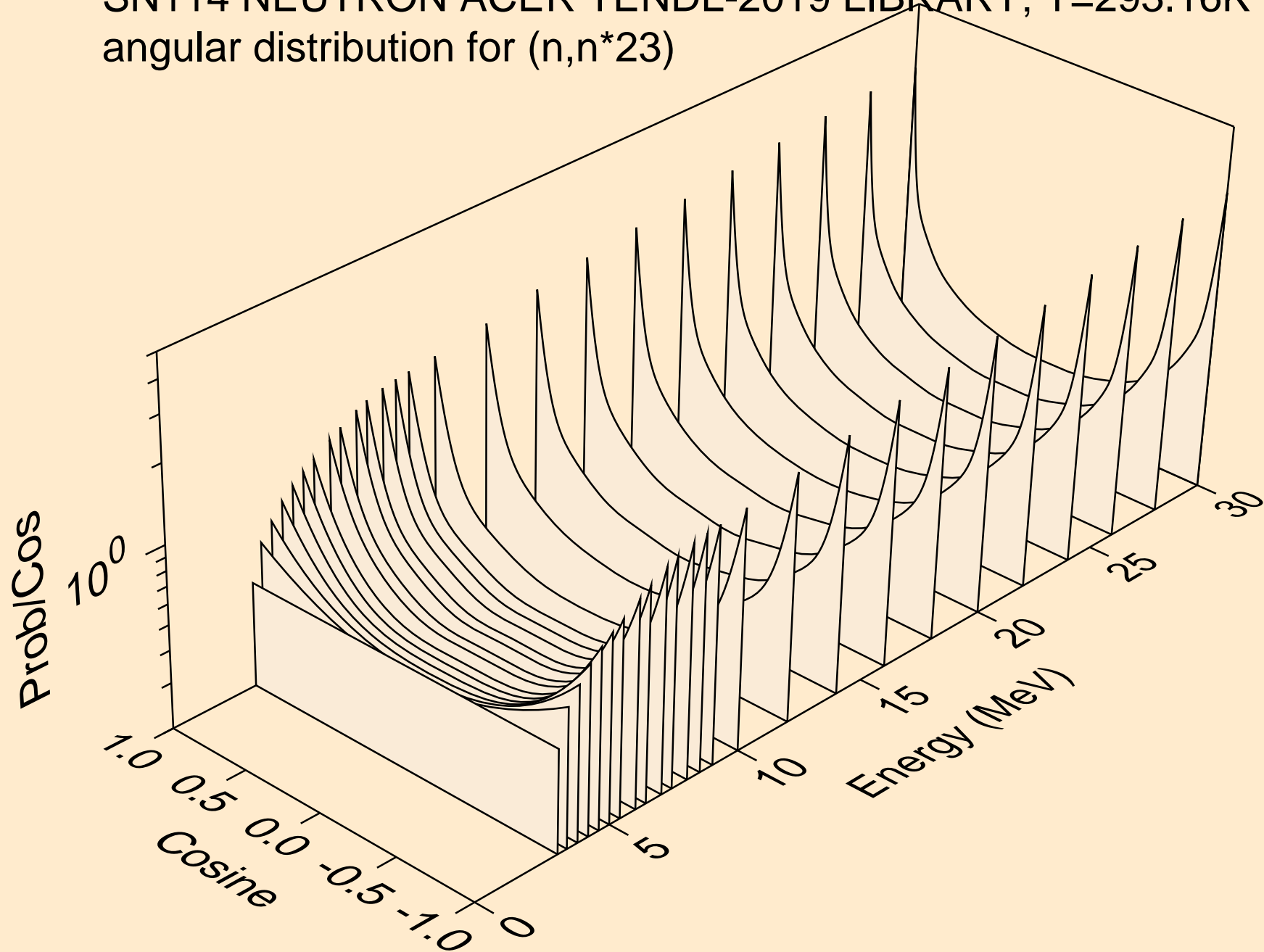
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angular distribution for (n,n\*21)



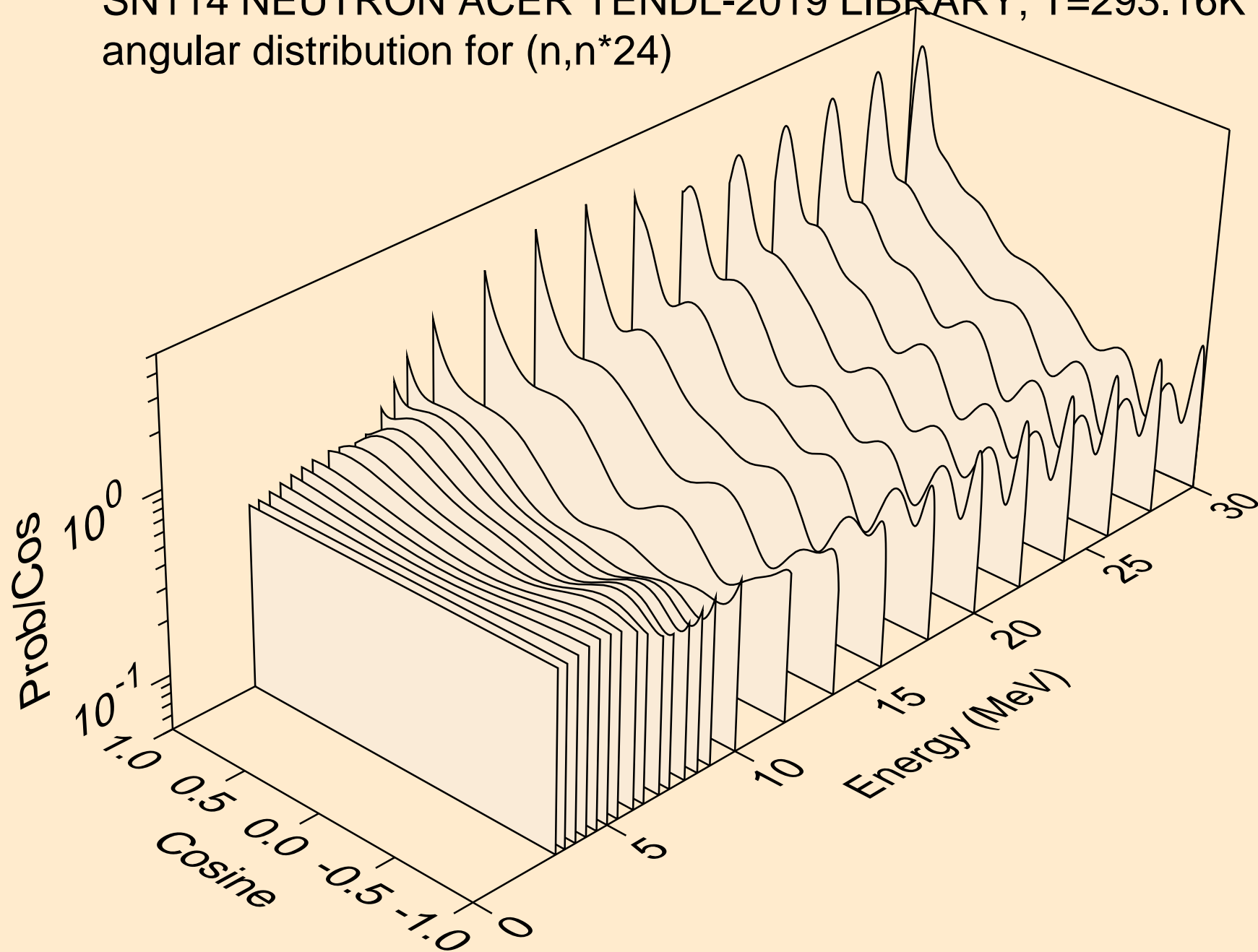
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angular distribution for (n,n\*22)



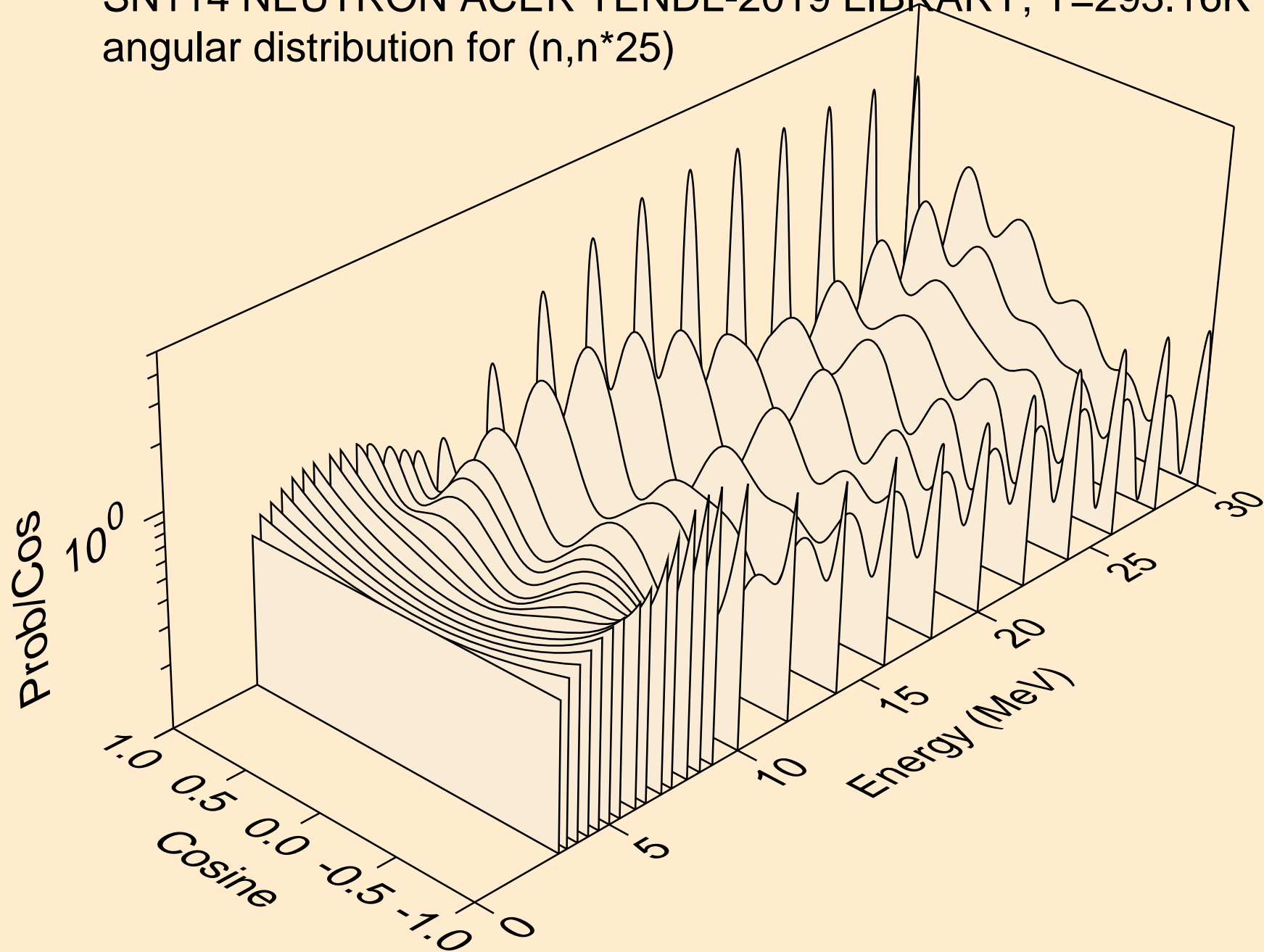
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angular distribution for (n,n\*23)



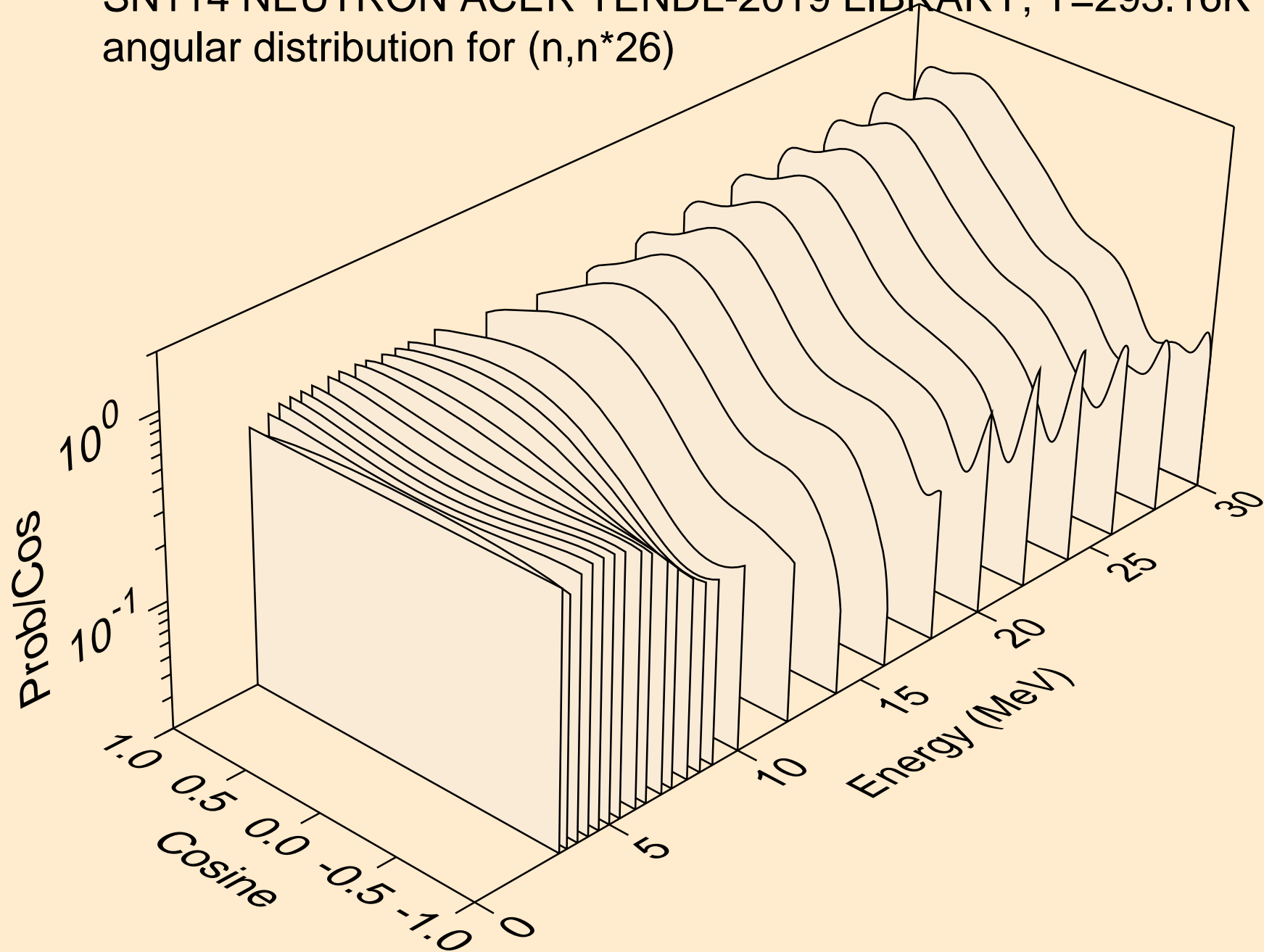
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angular distribution for (n,n\*24)



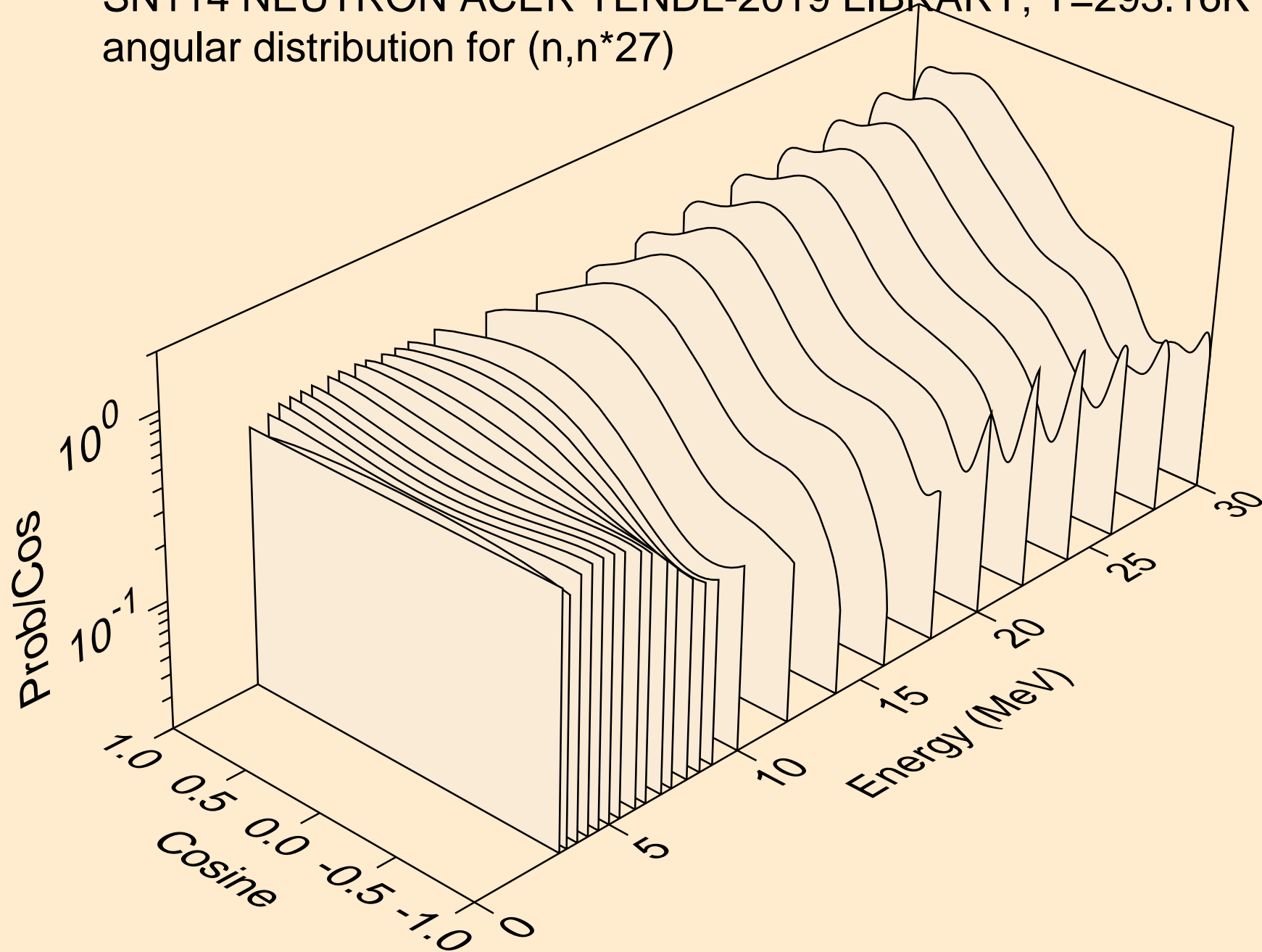
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

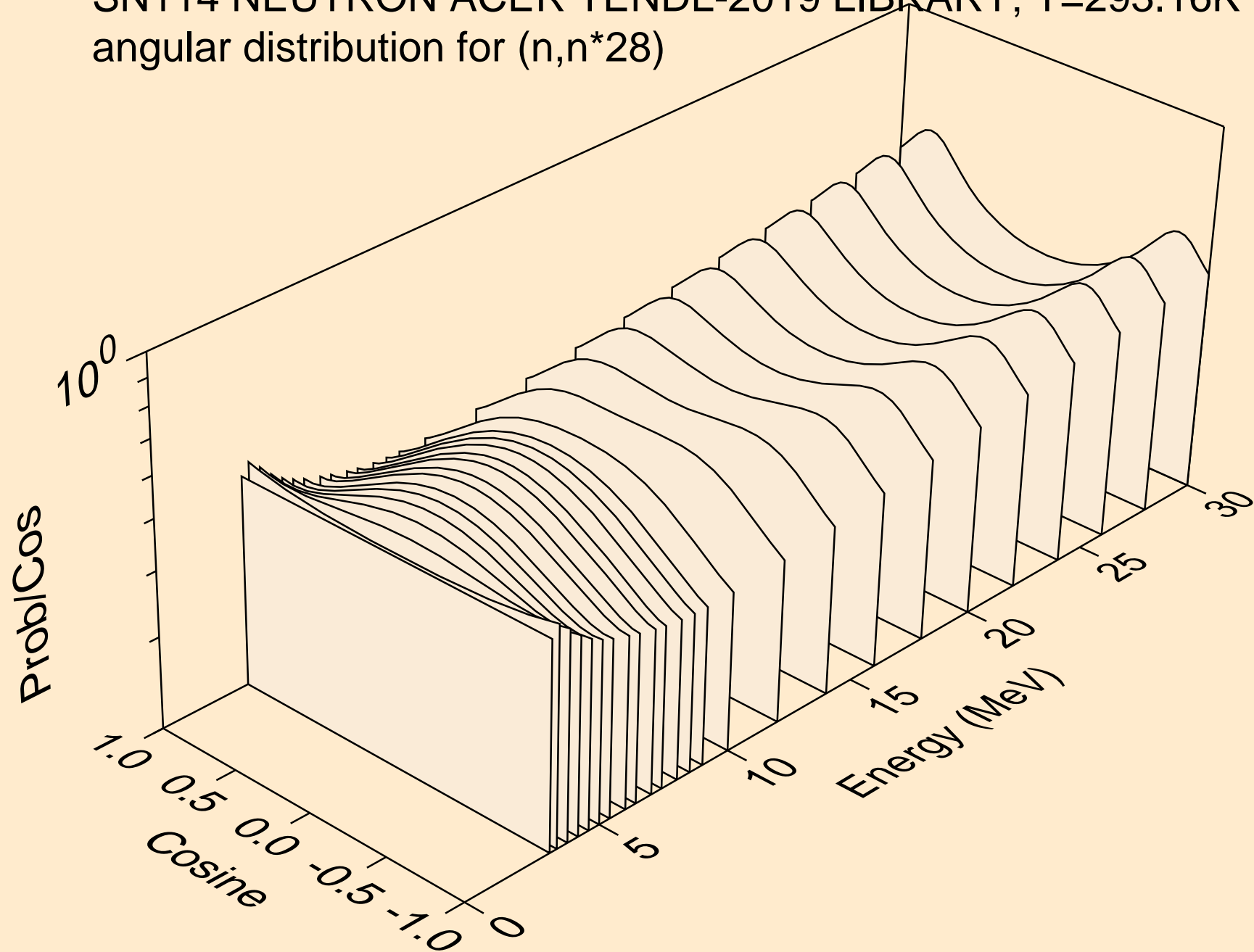


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angular distribution for (n,n\*27)

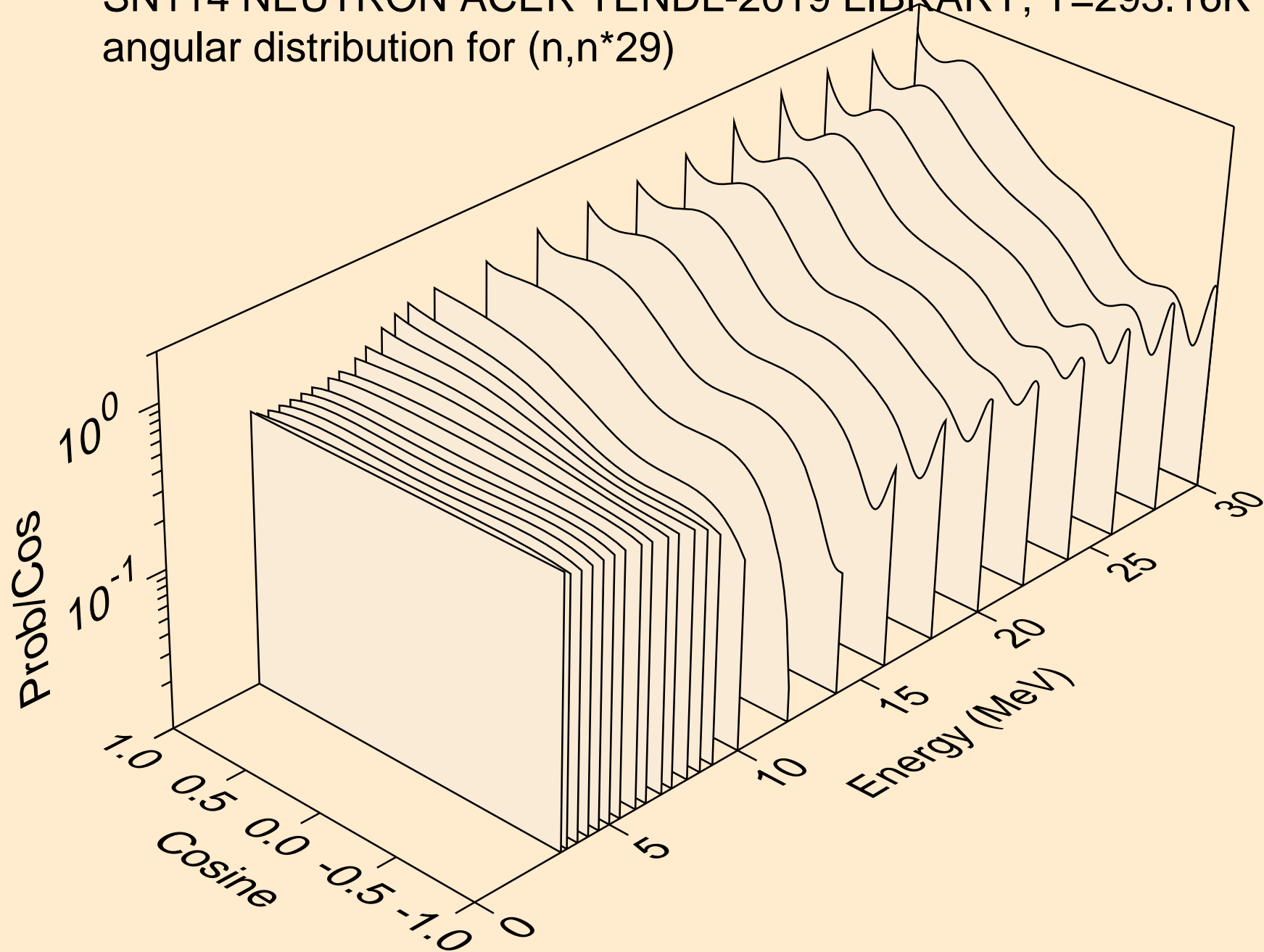




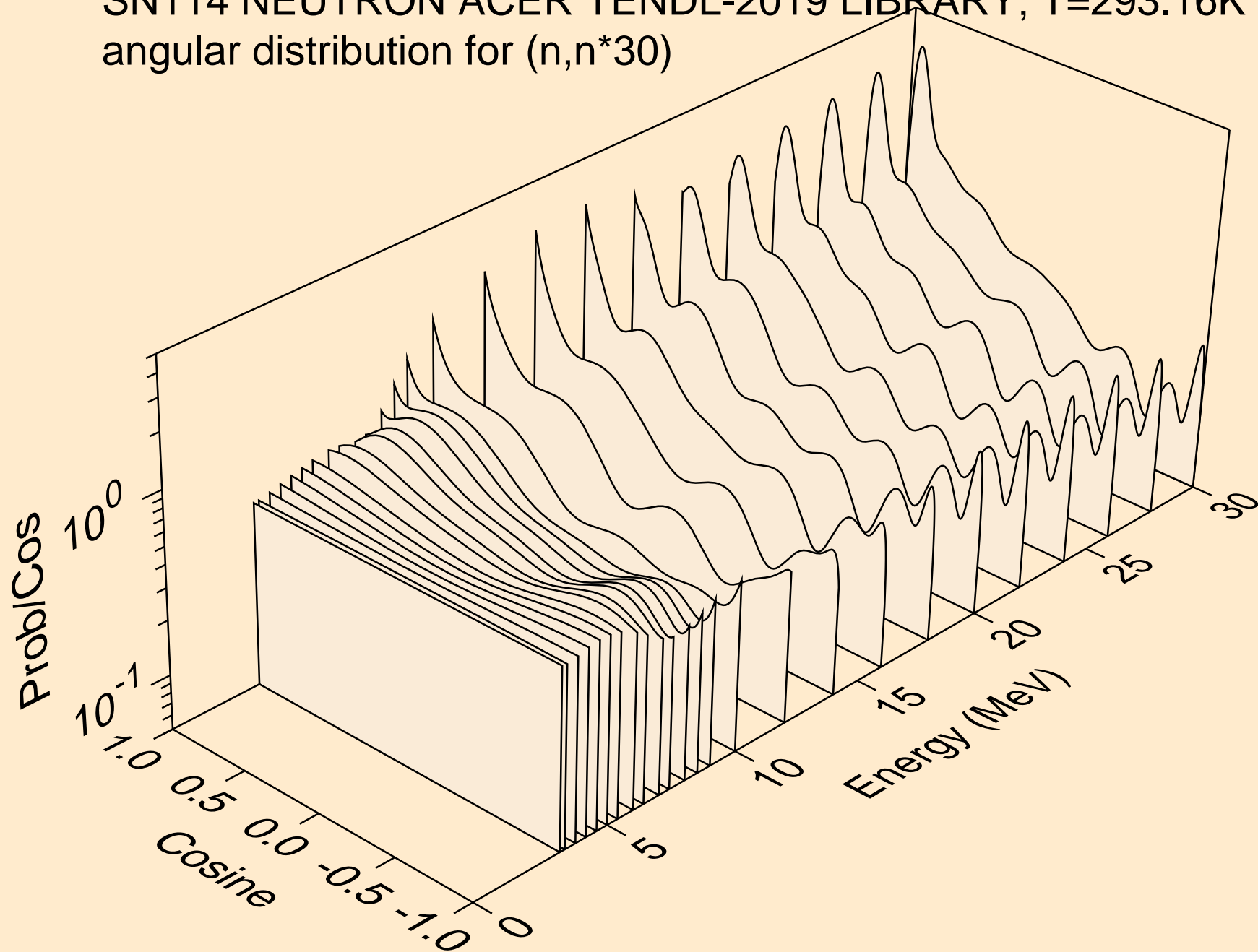
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angular distribution for (n,n\*28)



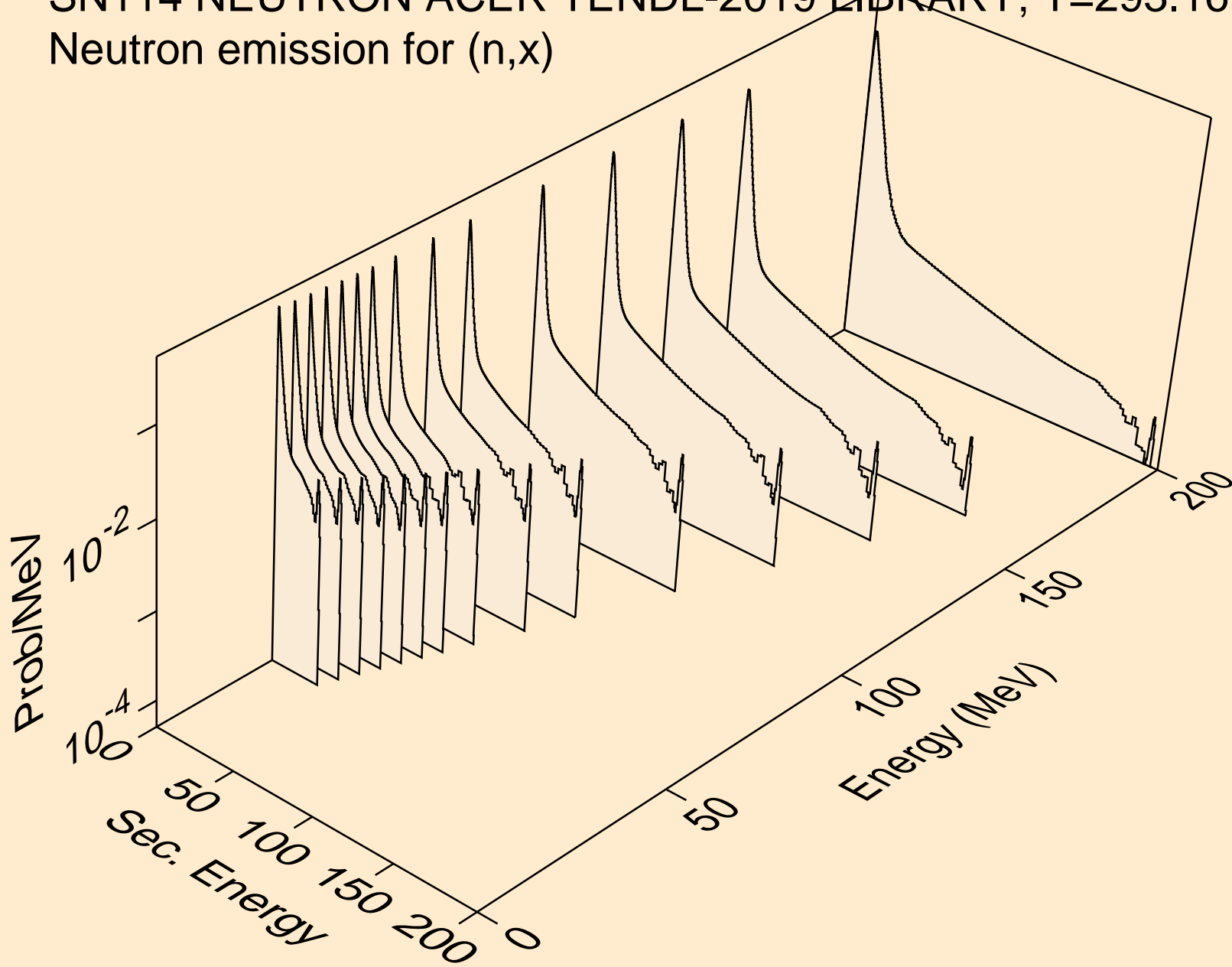
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angular distribution for (n,n\*29)



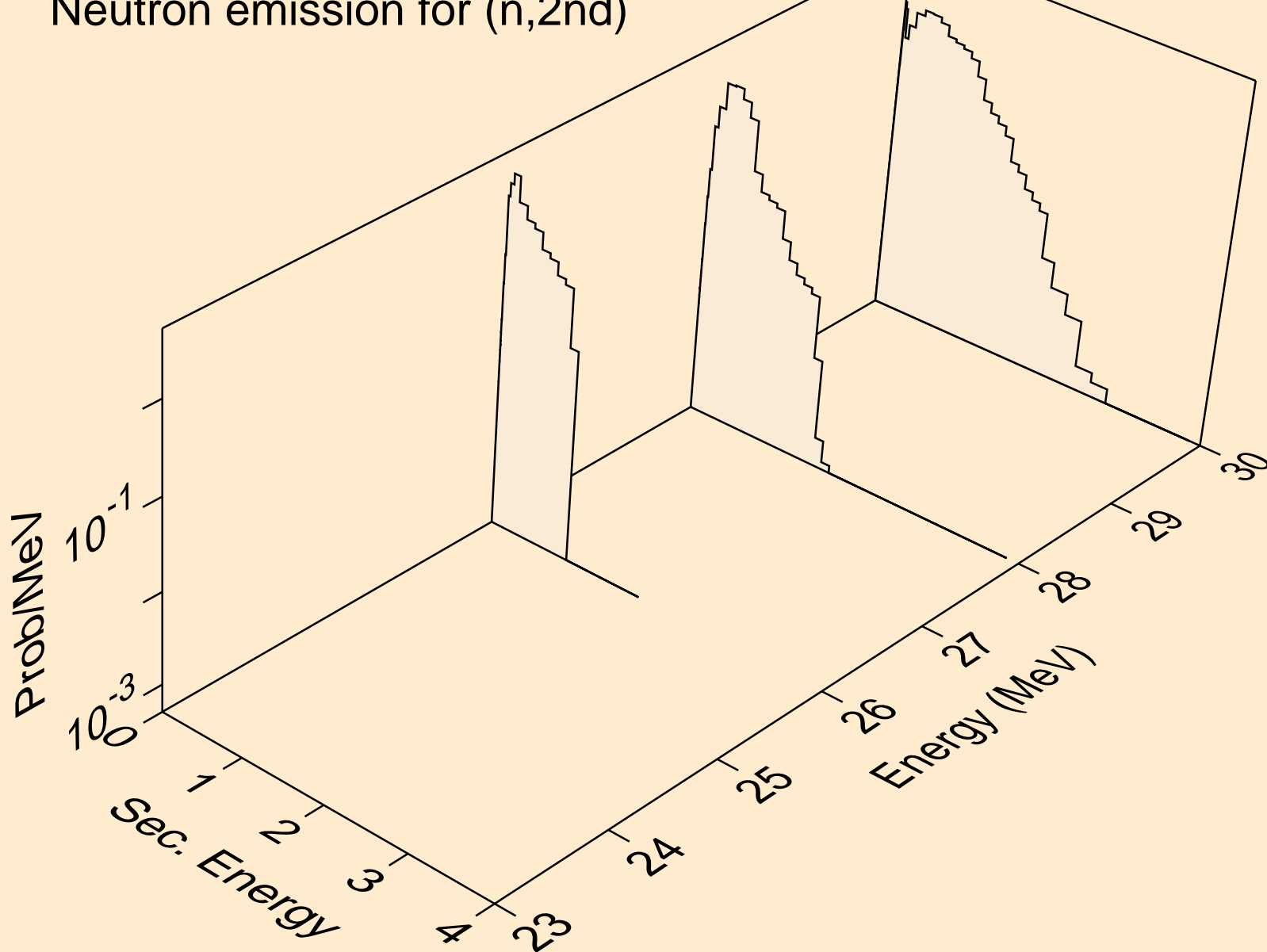
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angular distribution for (n,n\*30)



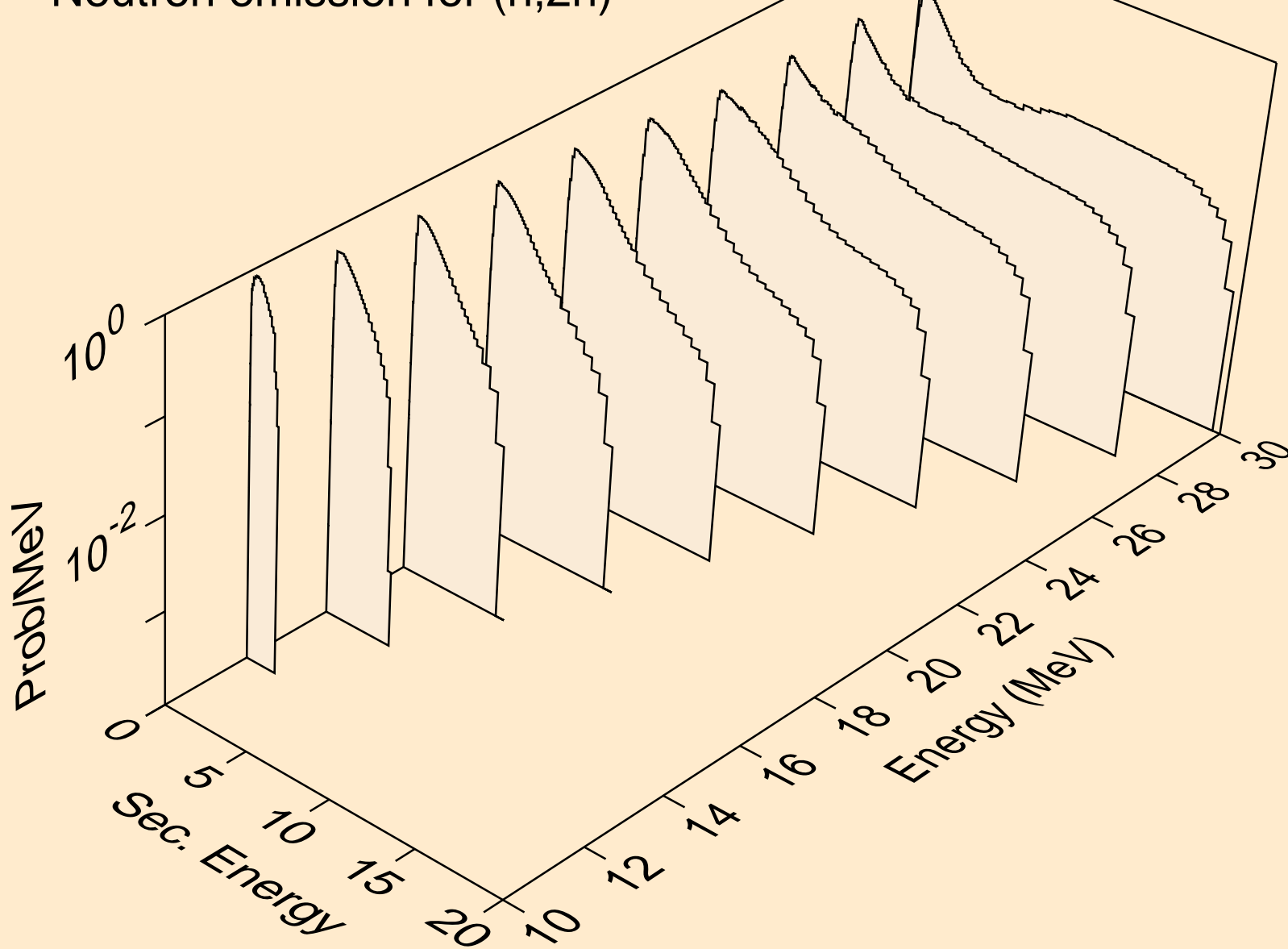
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Neutron emission for (n,x)



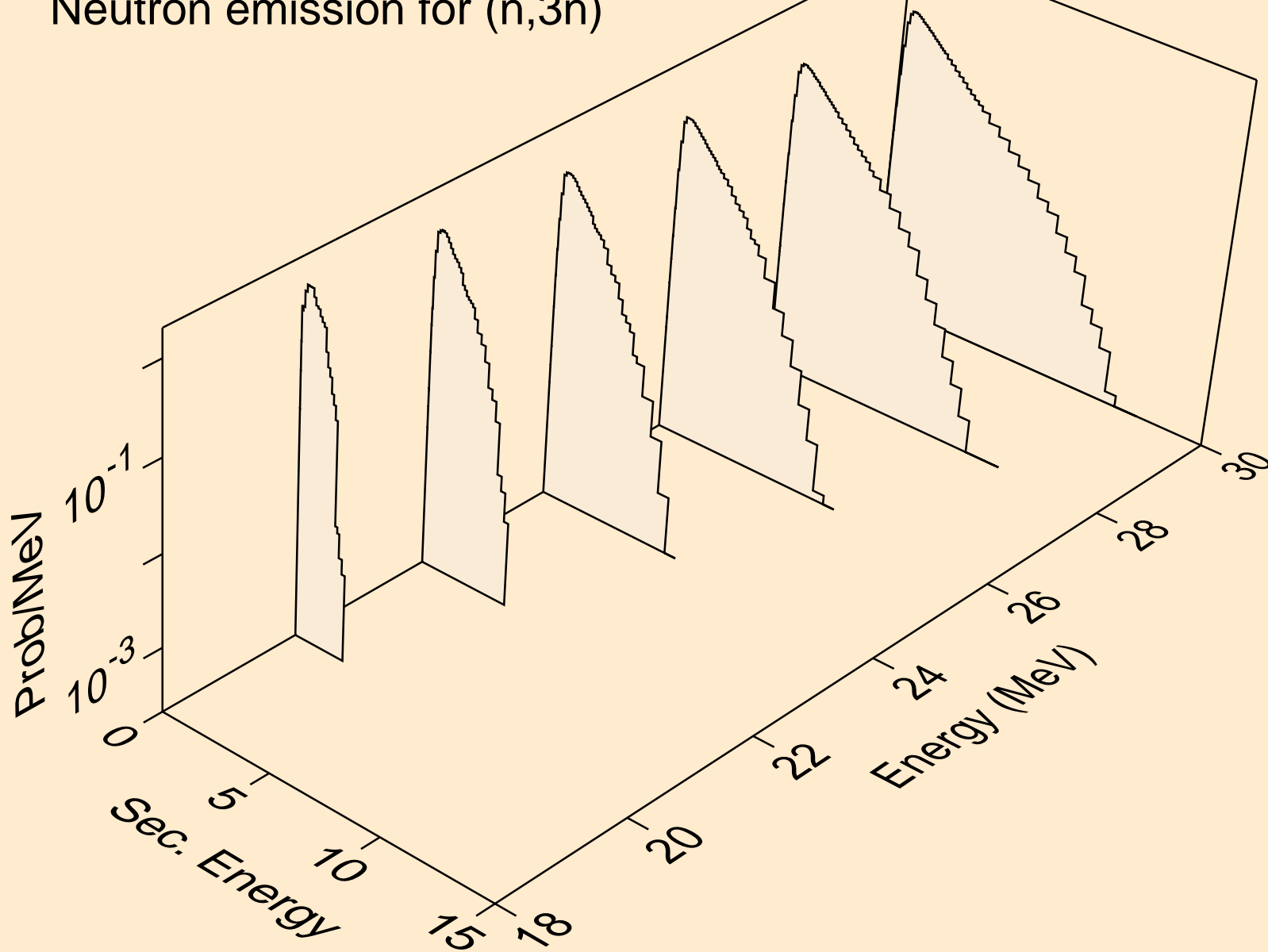
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



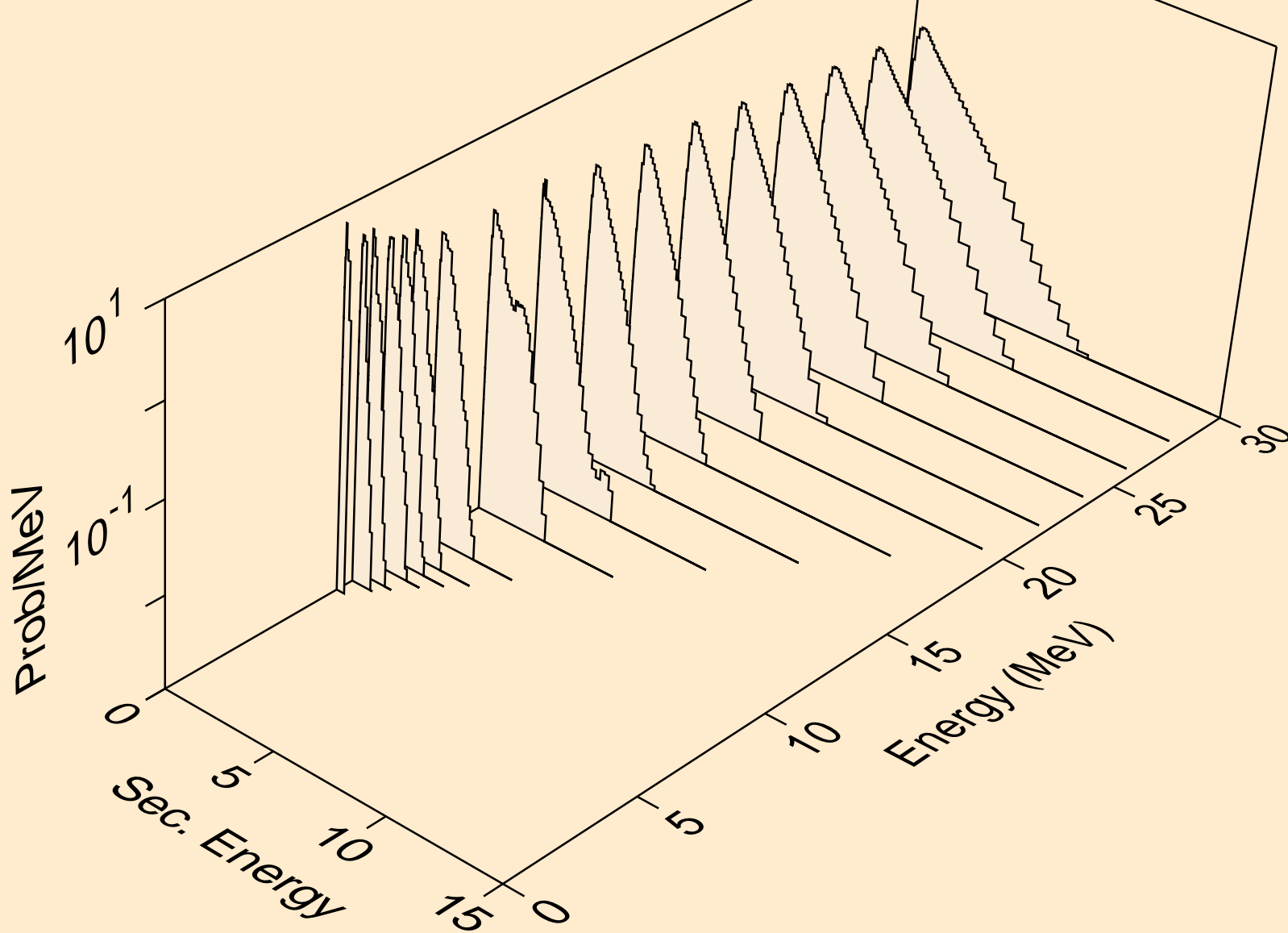
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

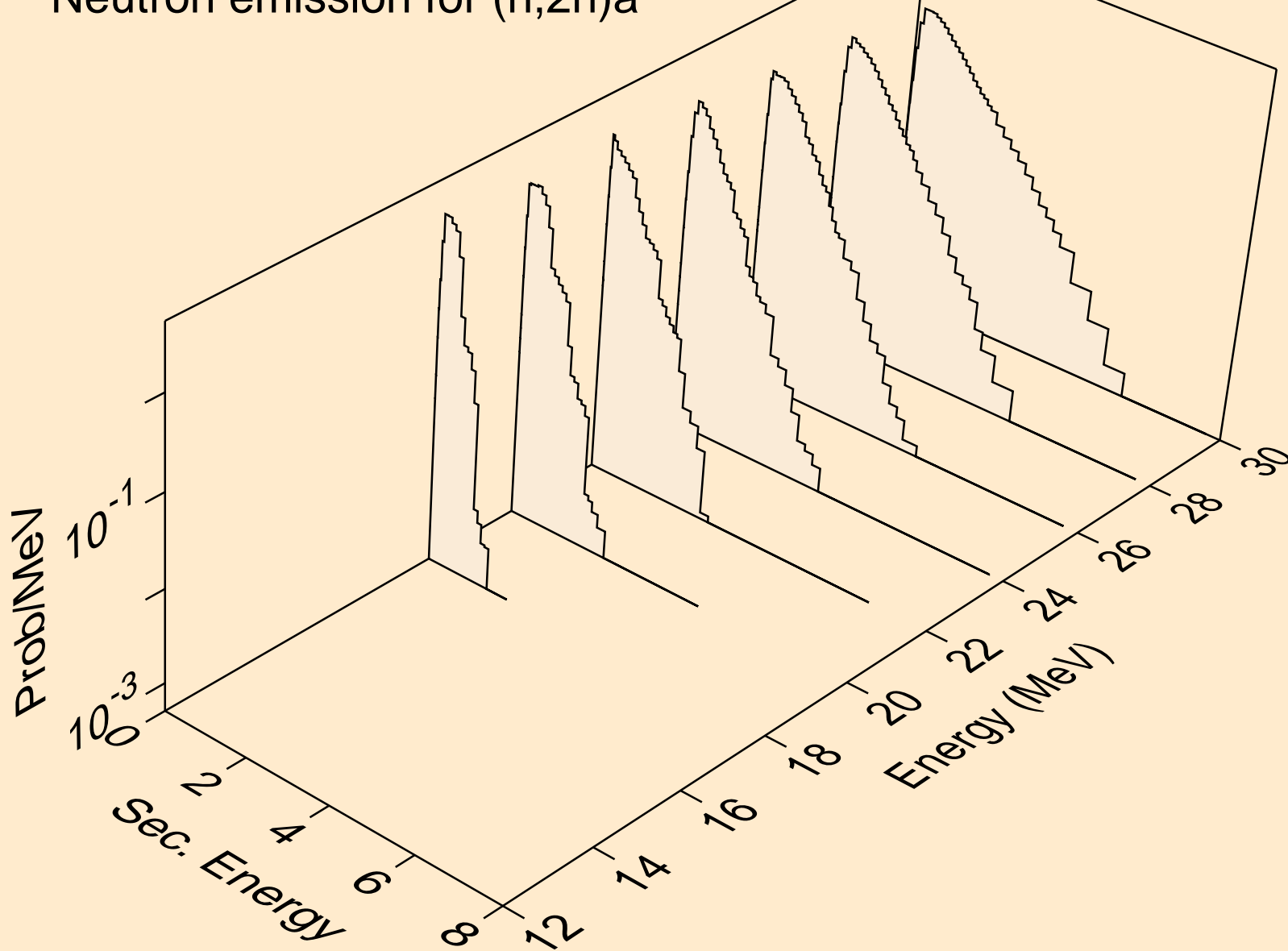


SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

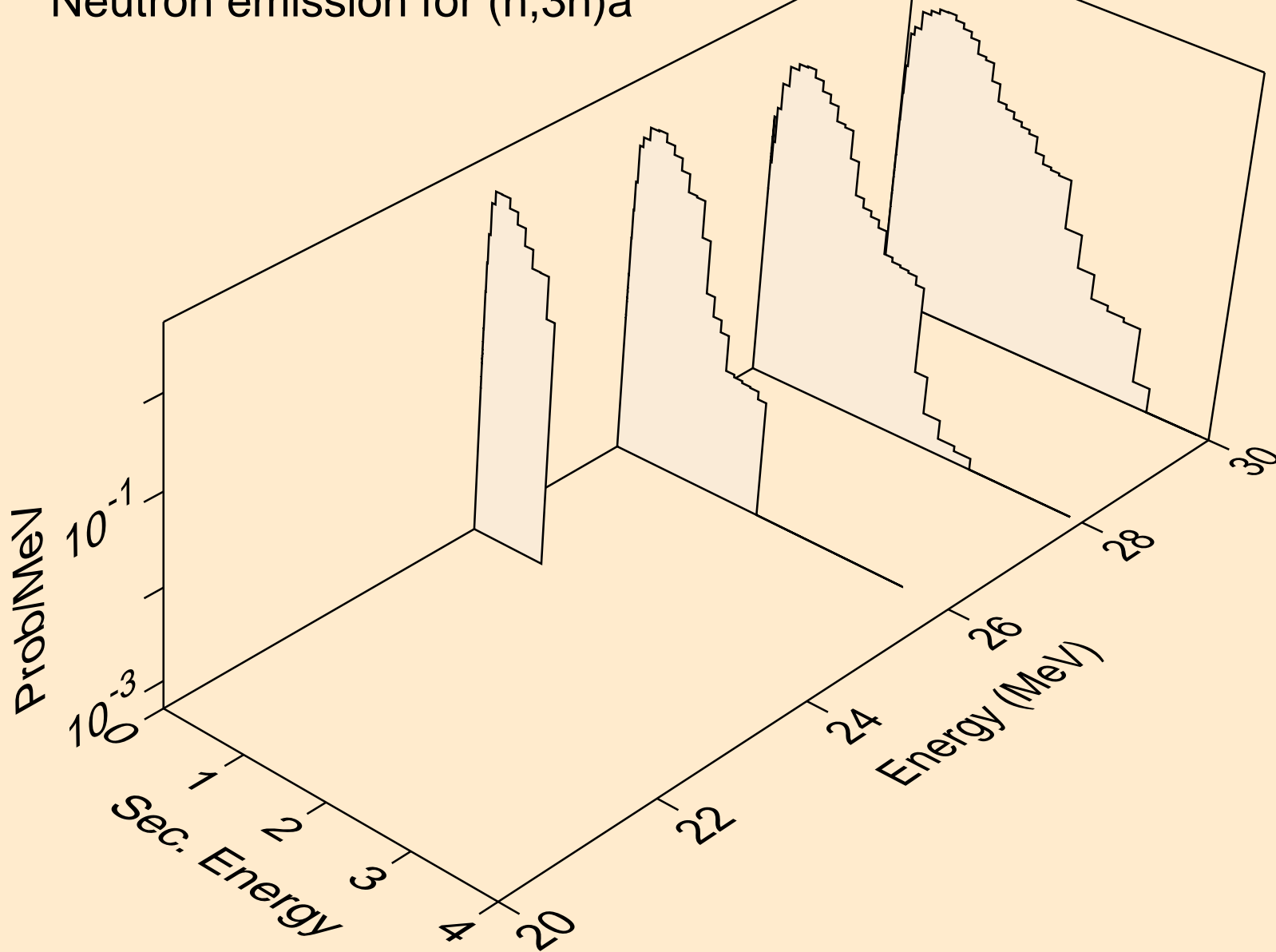




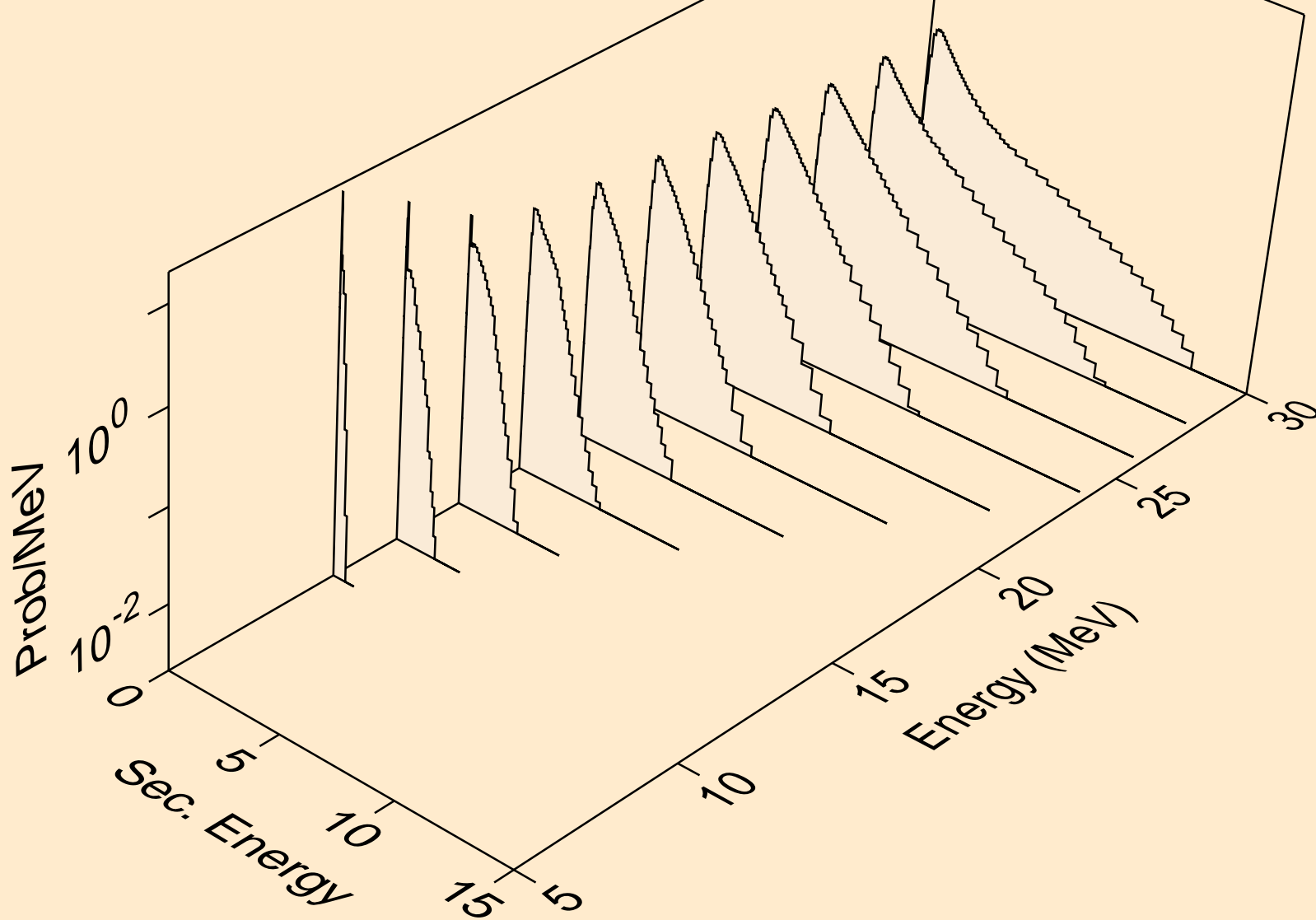
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Neutron emission for (n,2n)a



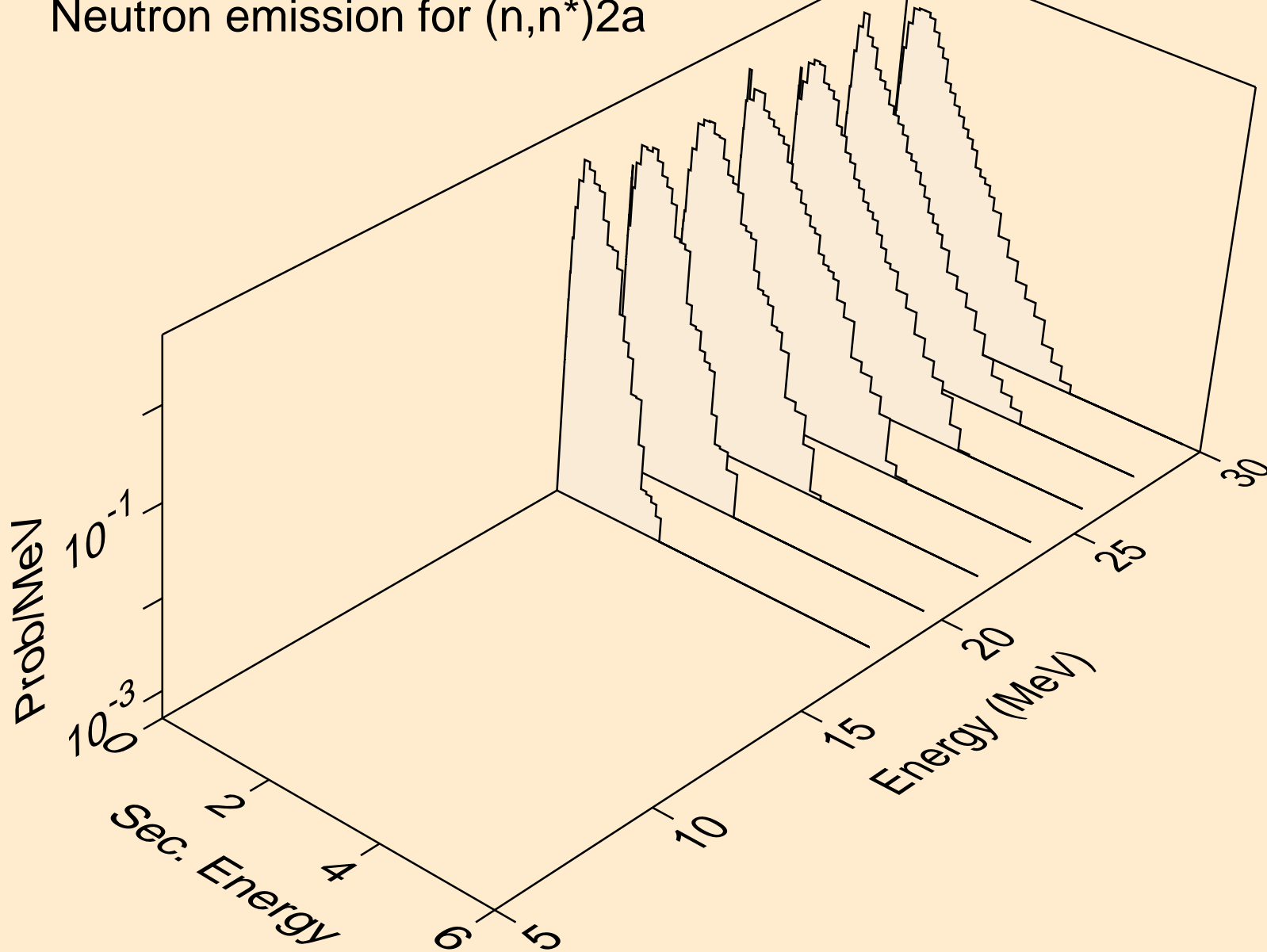
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



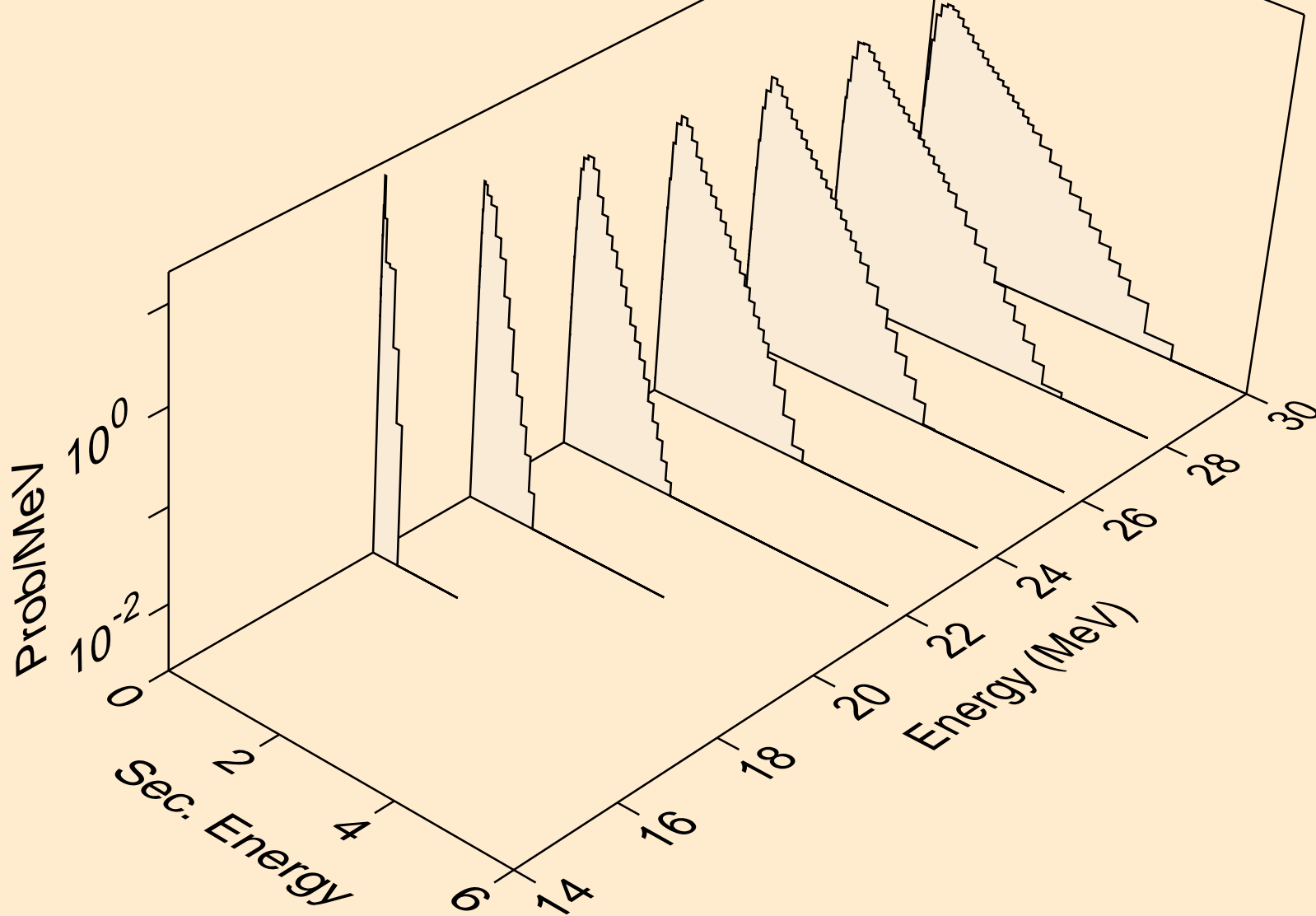
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



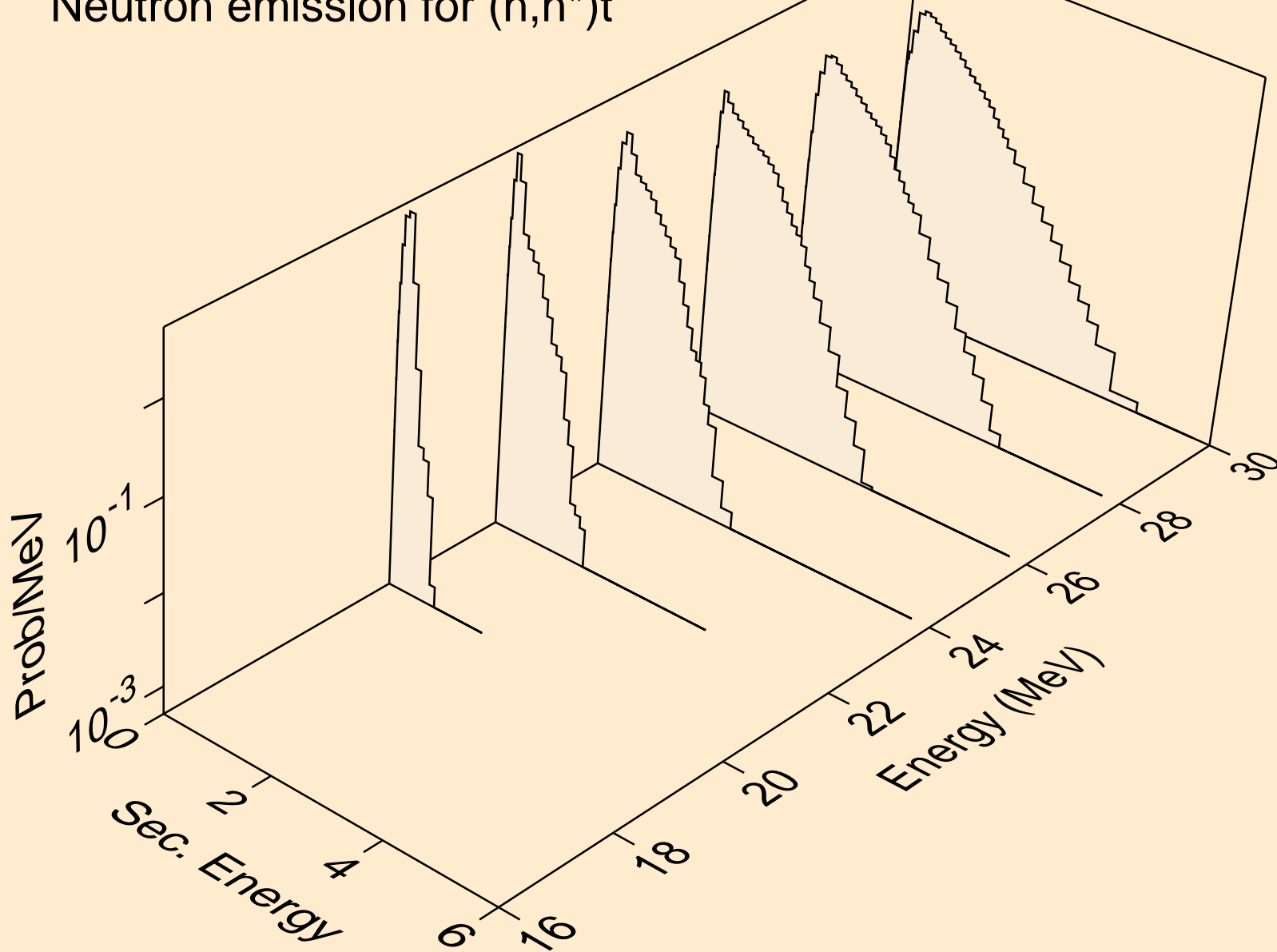
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Neutron emission for (n,n\*)2a



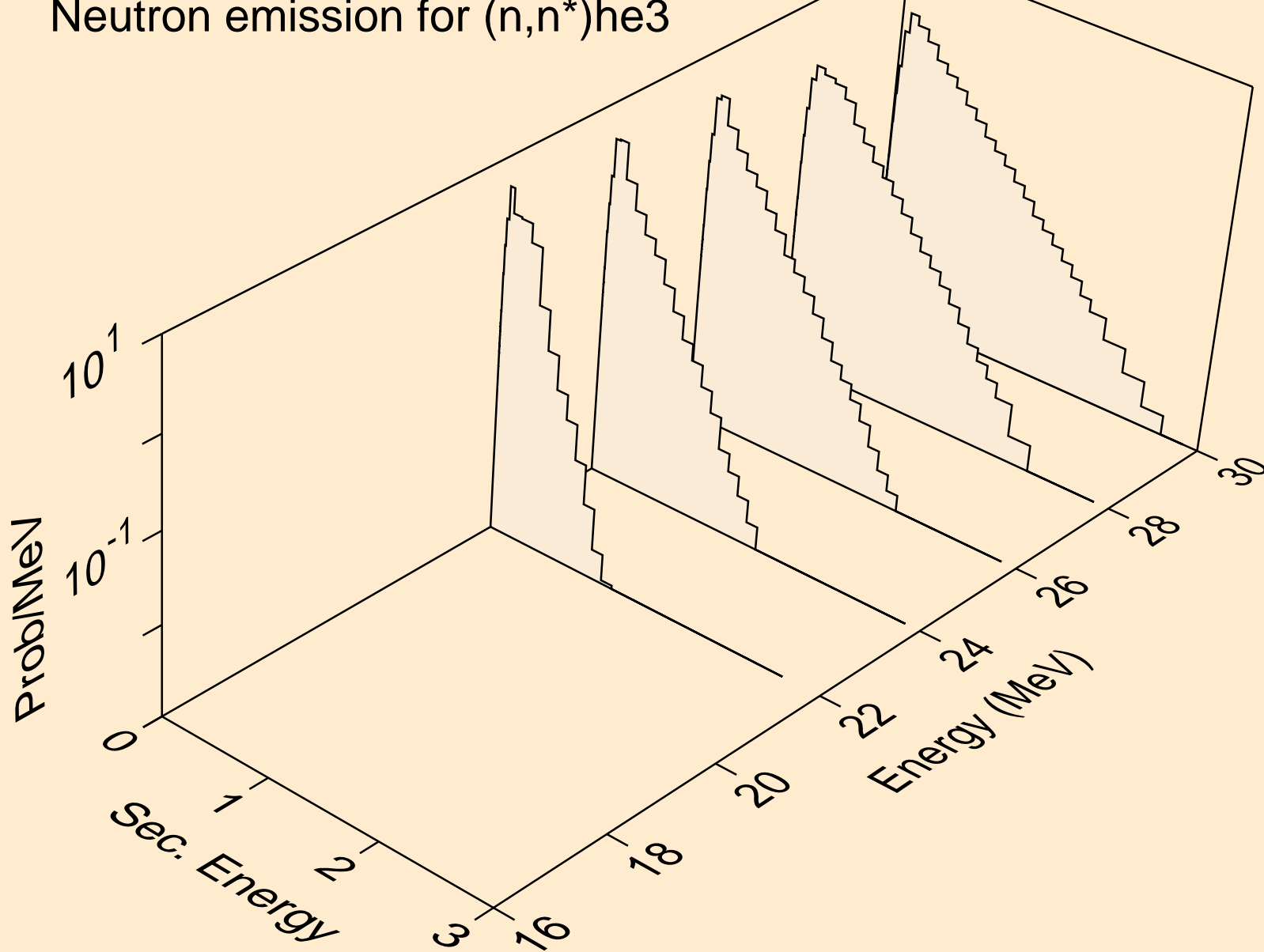
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



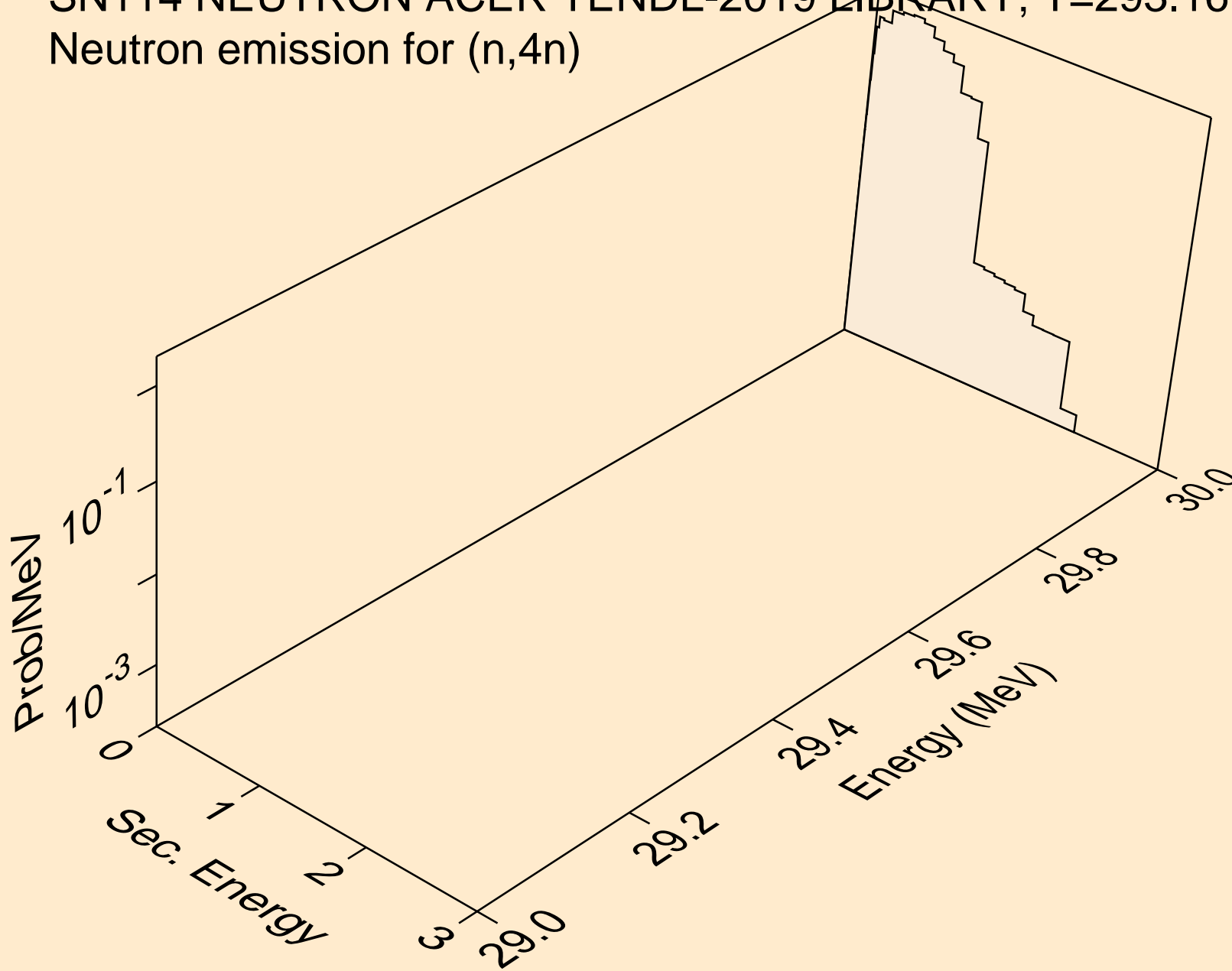
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

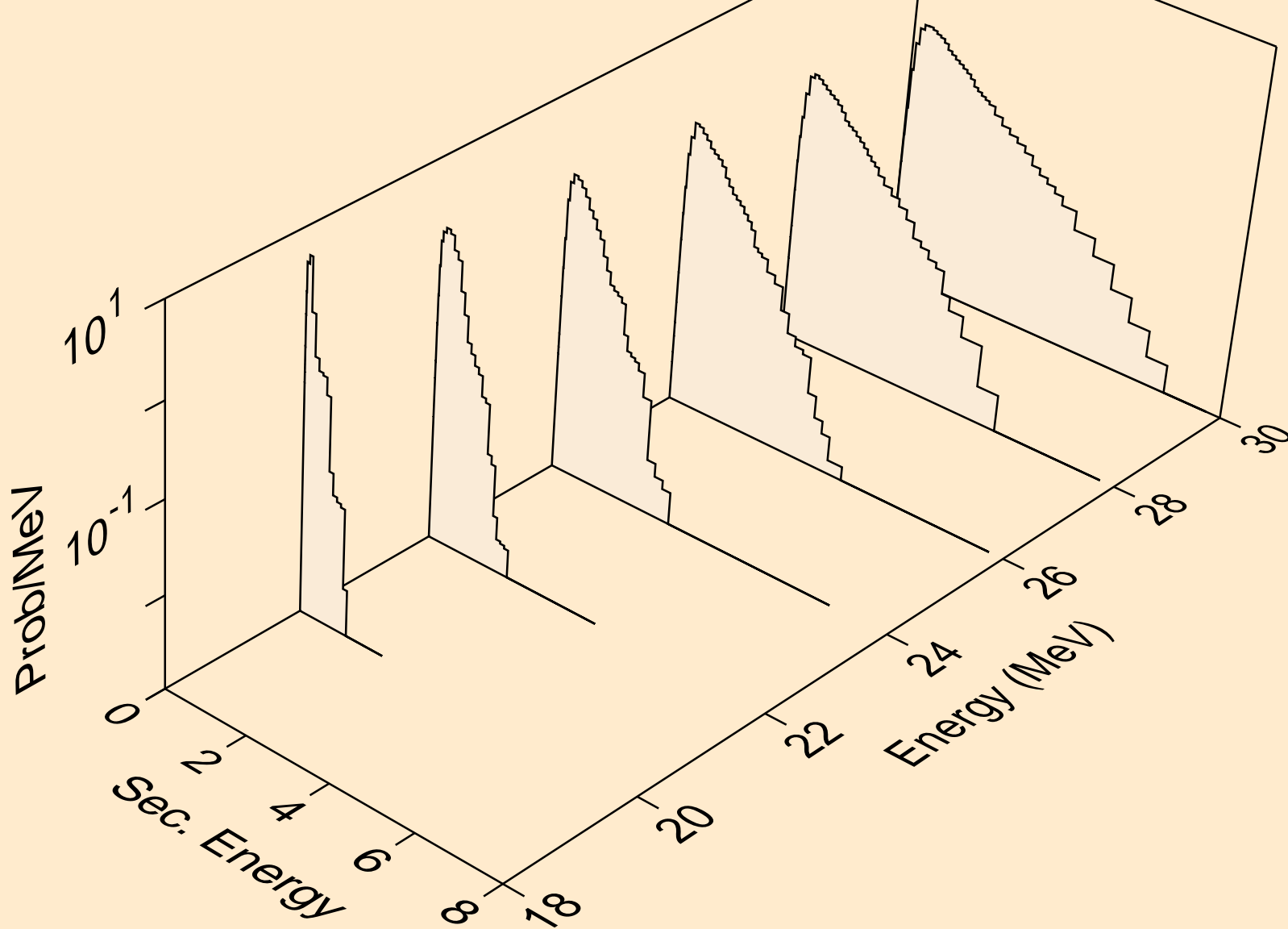


SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

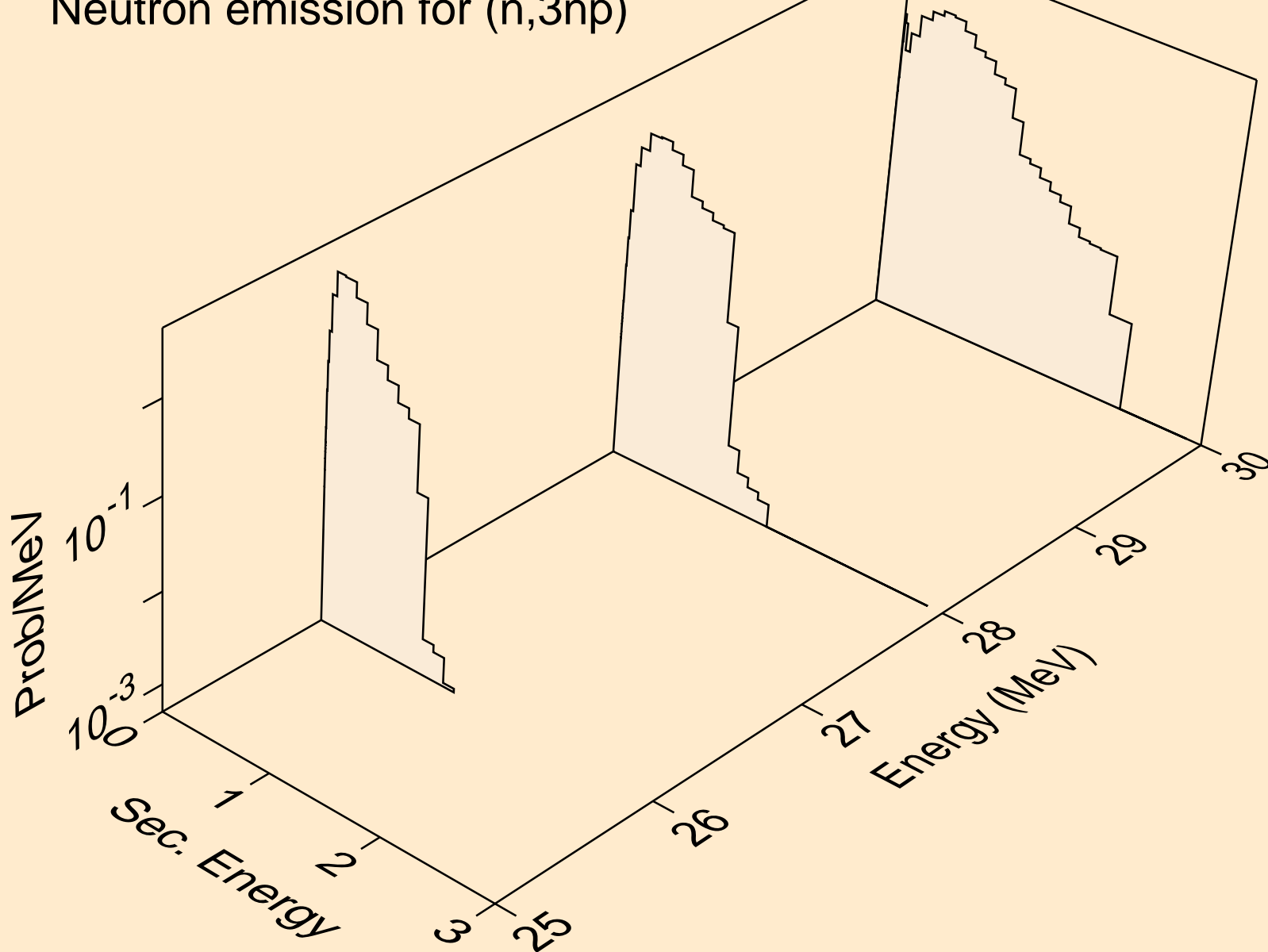




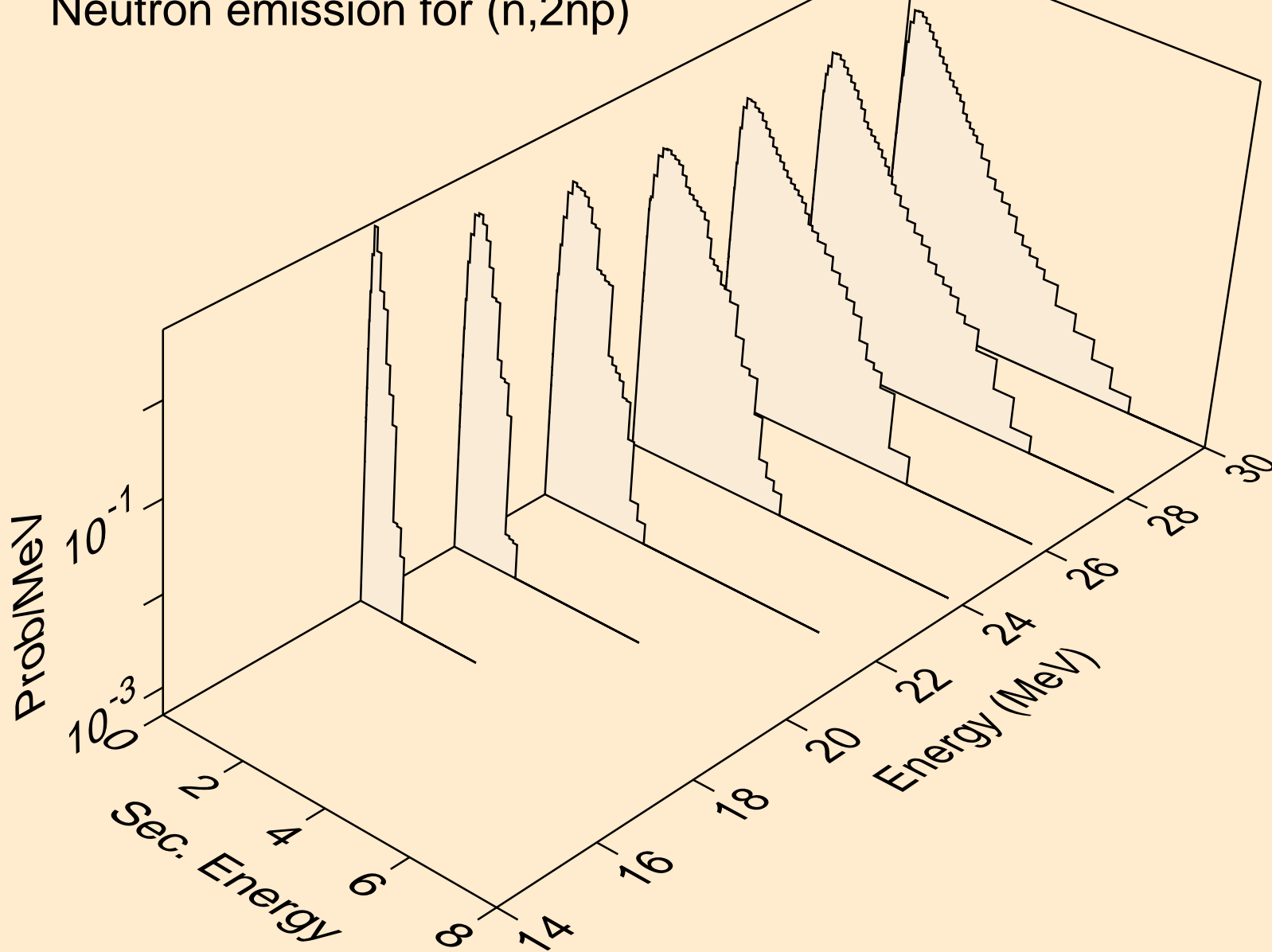
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



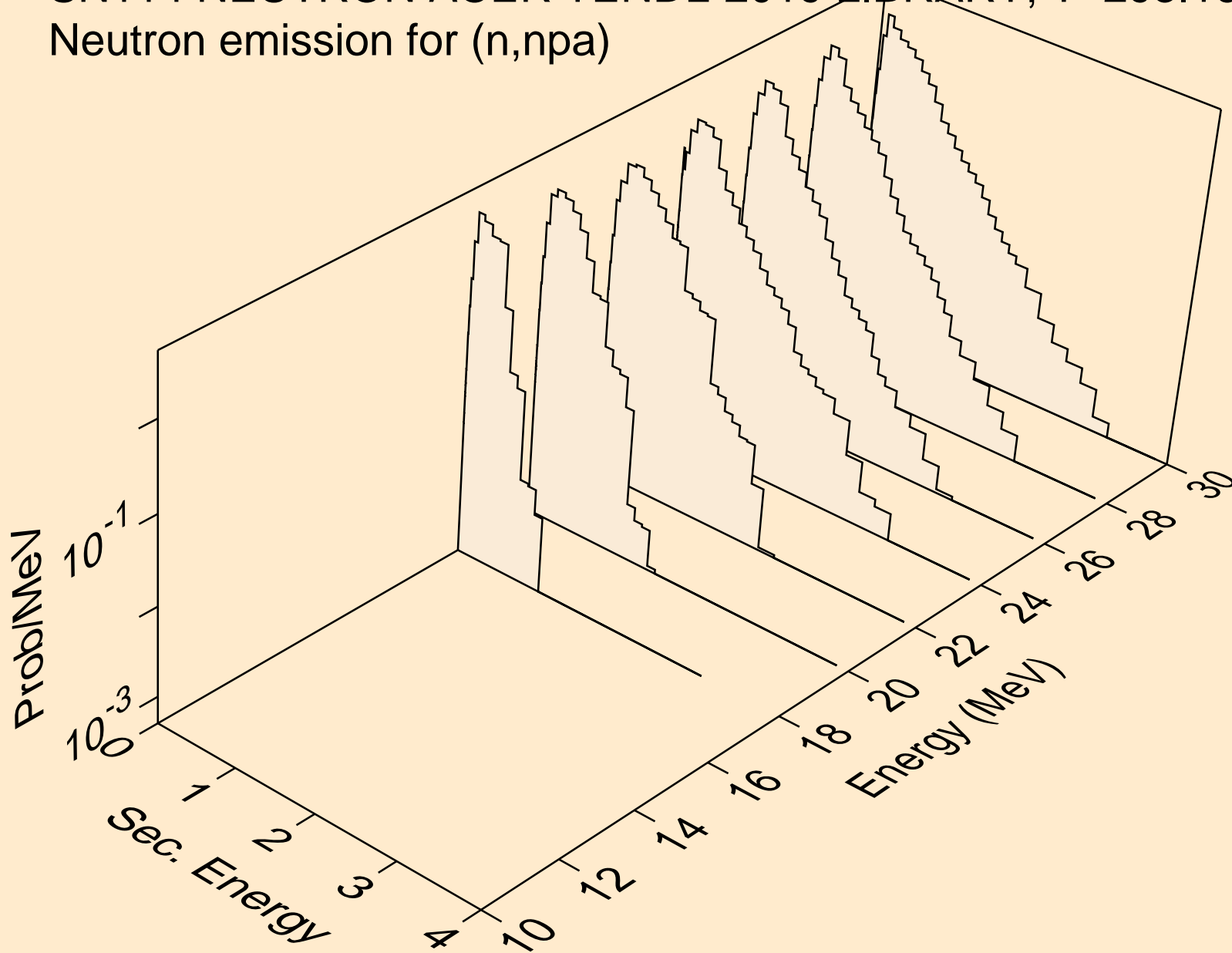
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Neutron emission for (n,3np)



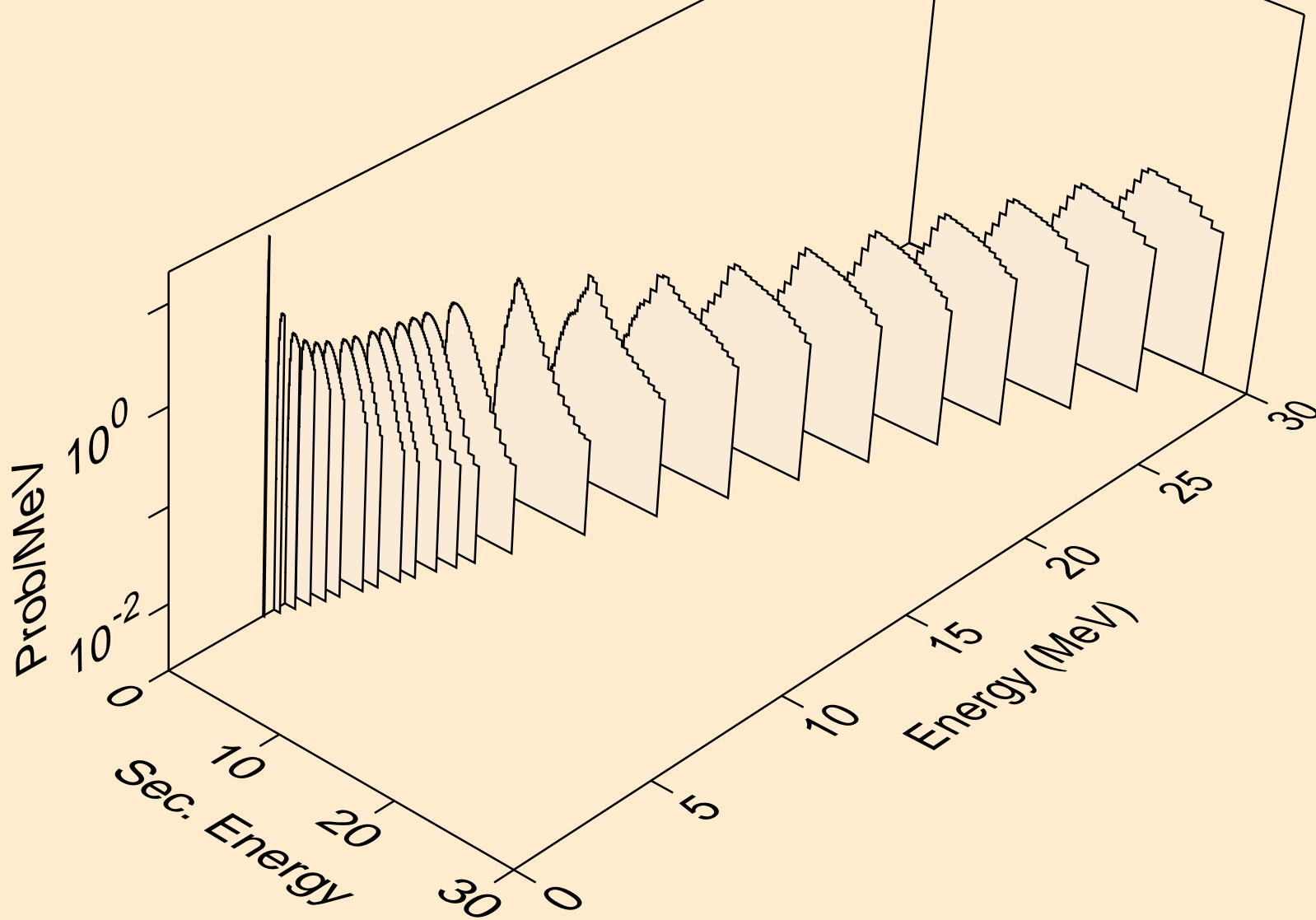
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Neutron emission for (n,2np)



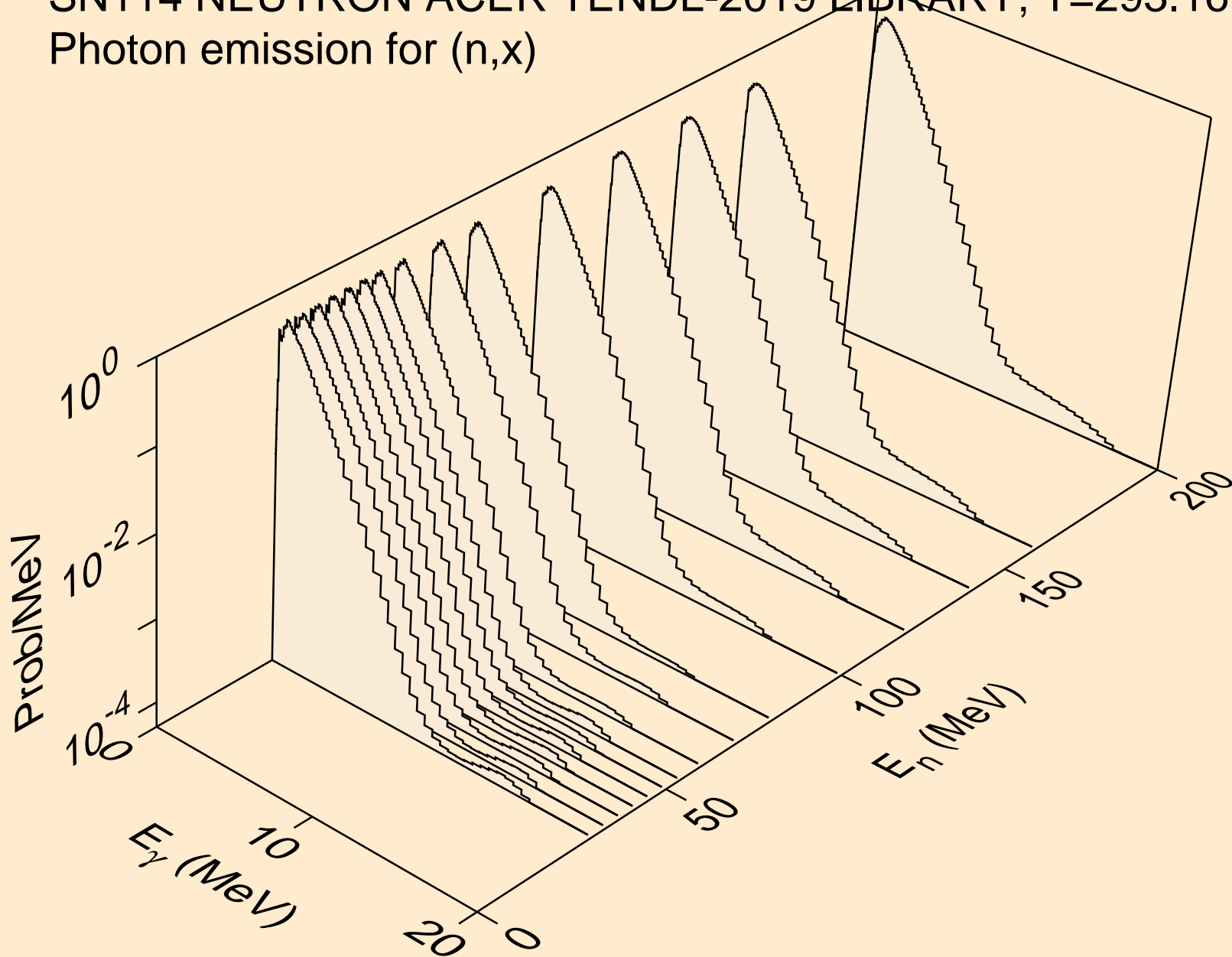
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Neutron emission for (n,npa)



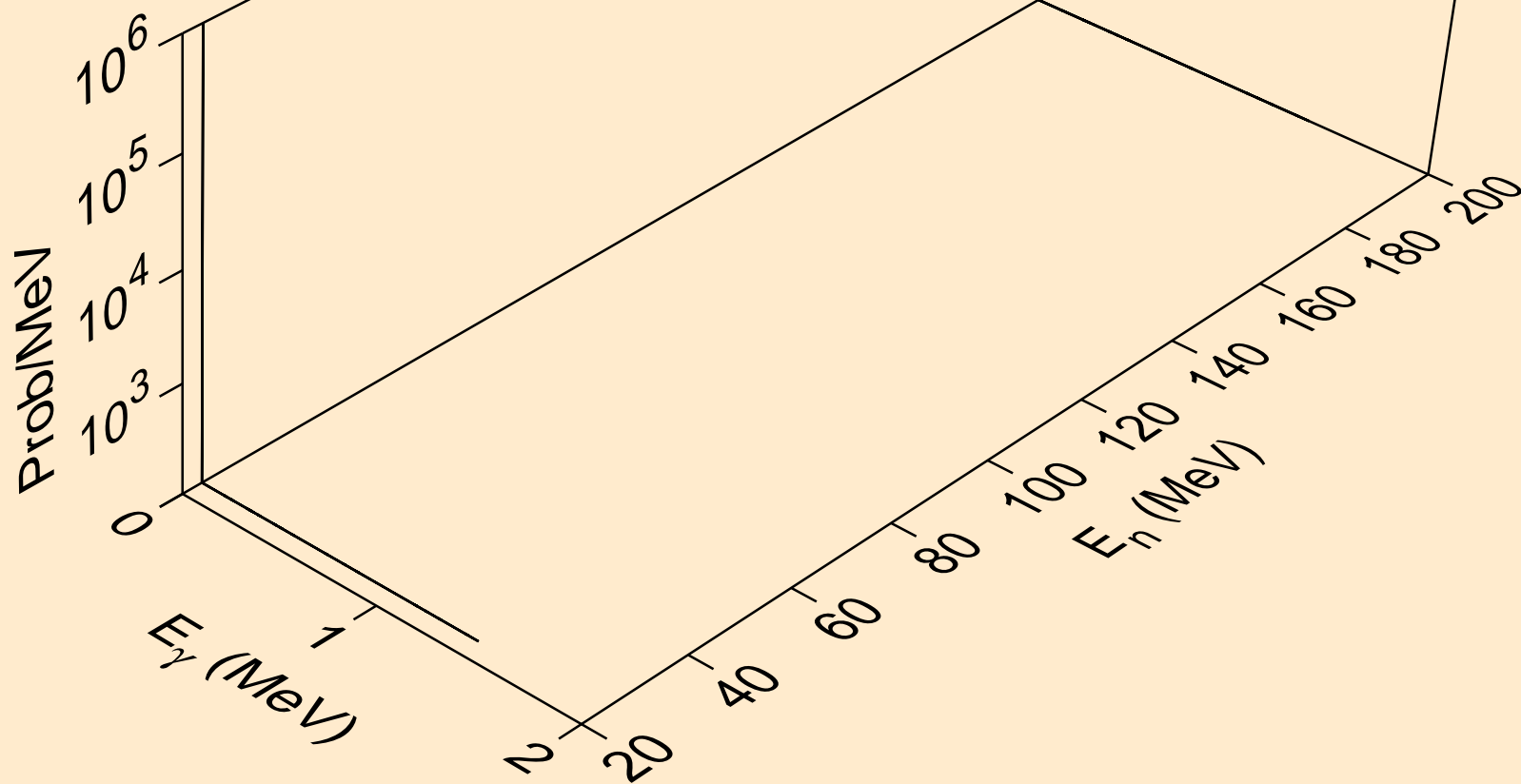
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Neutron emission for (n,n\*c)



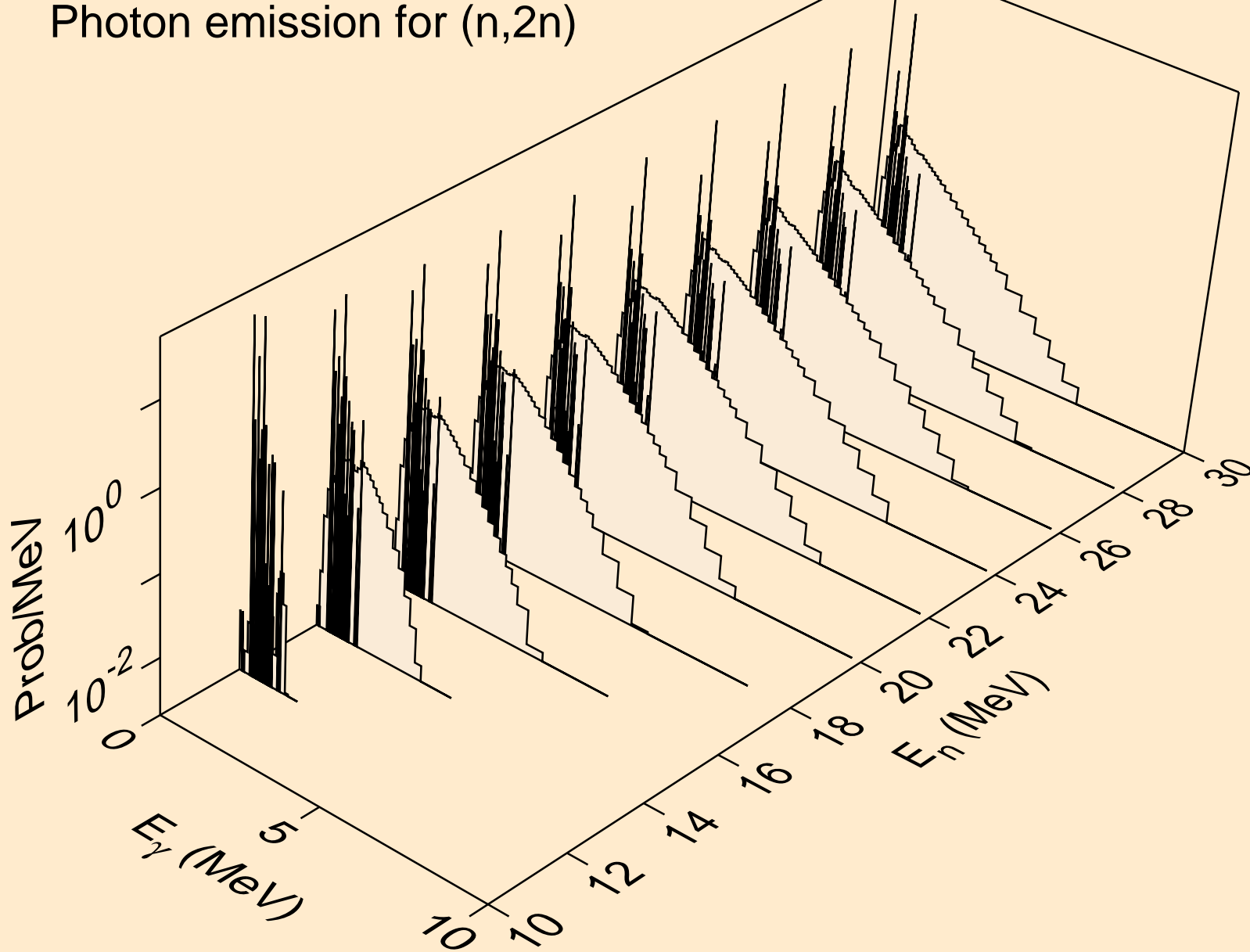
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

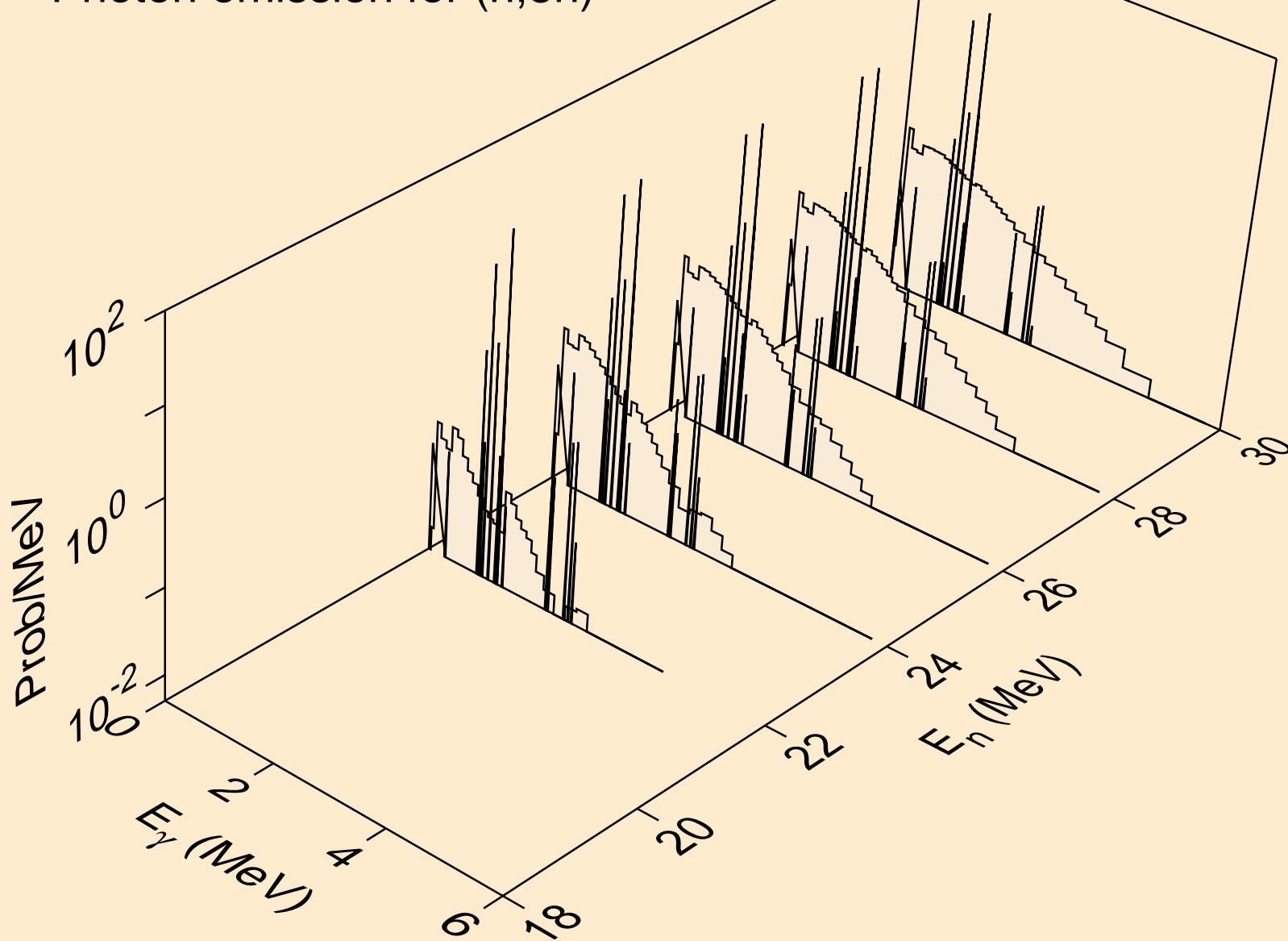


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Photon emission for (n,2n)

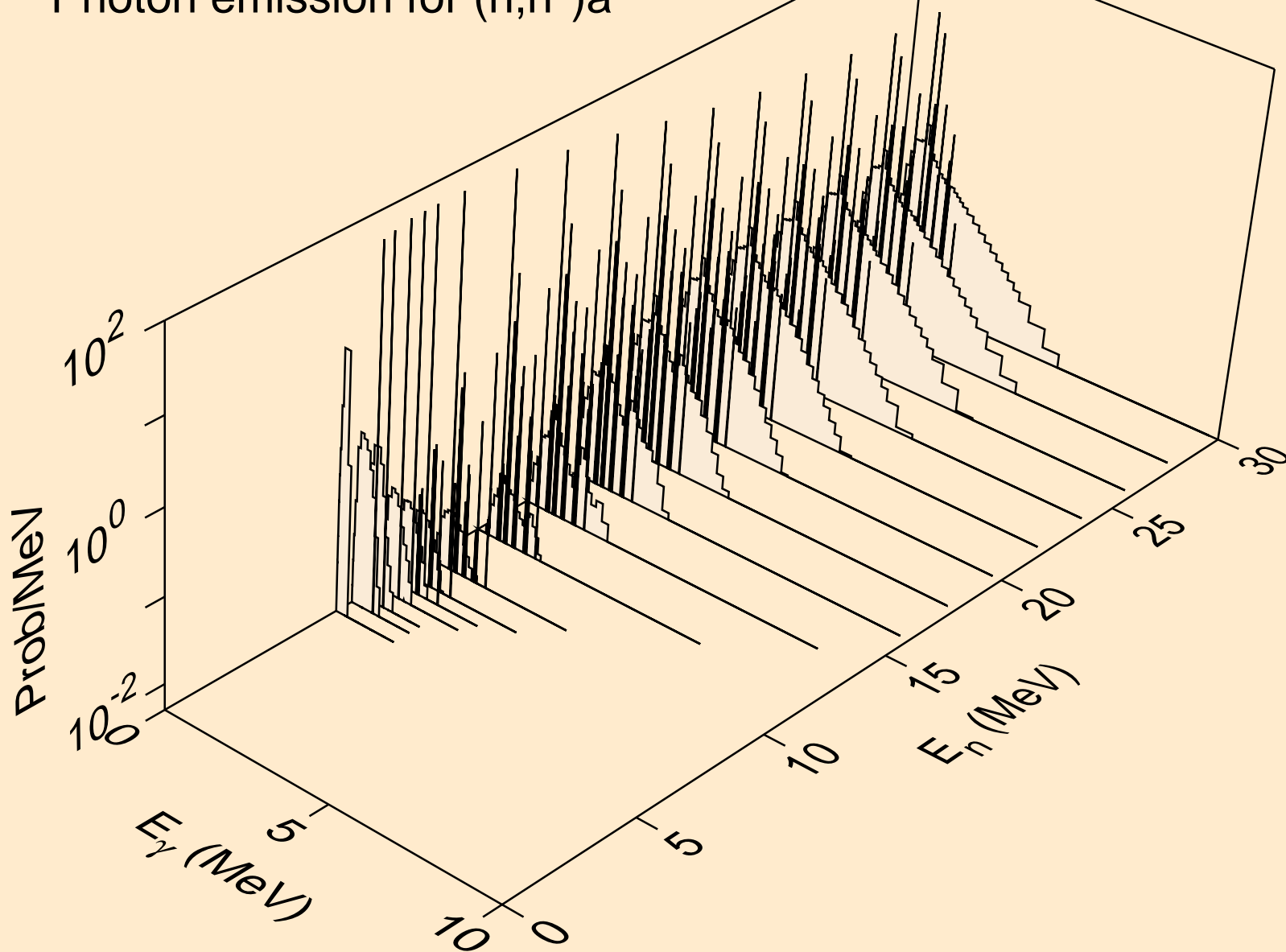




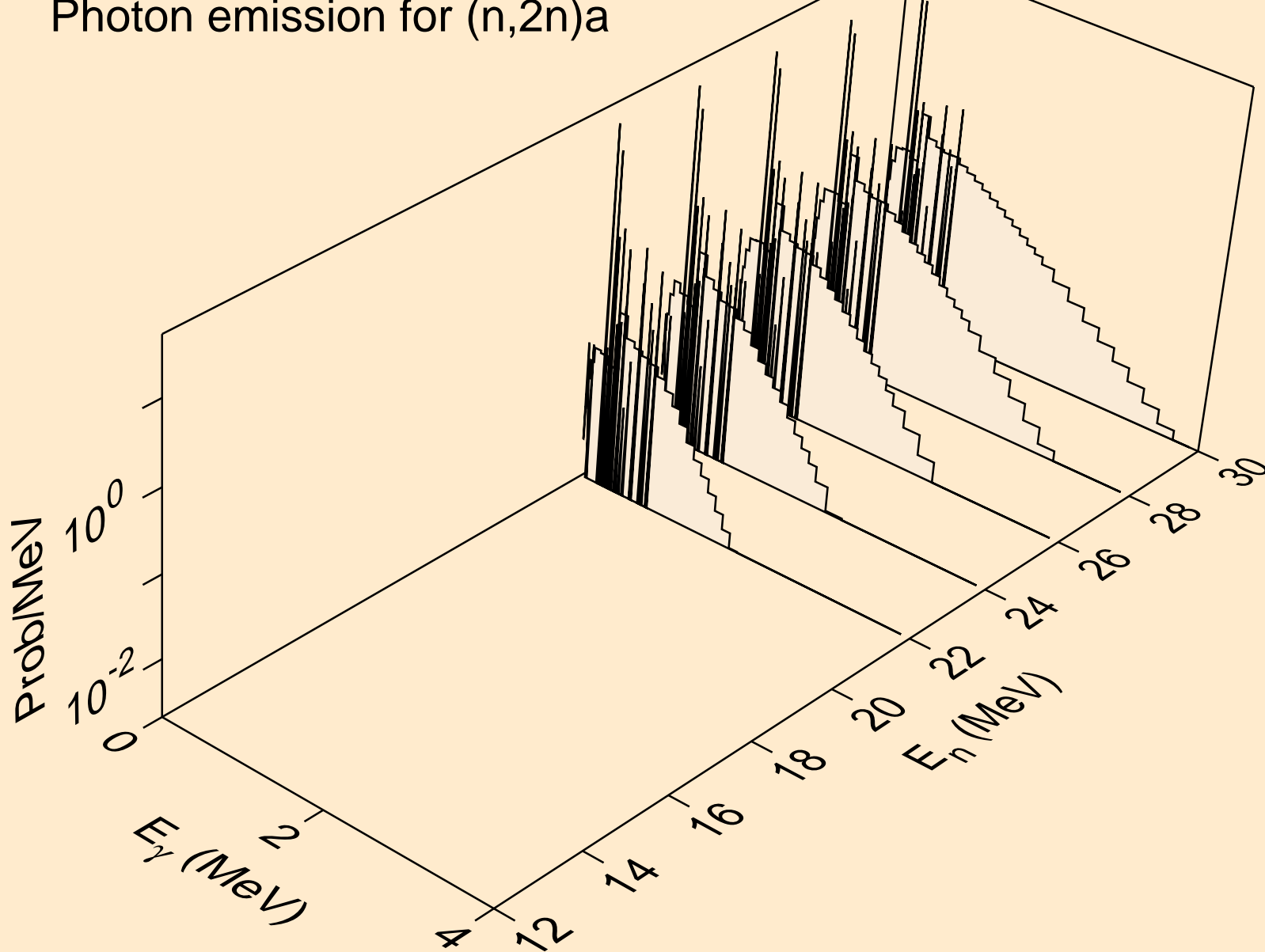
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Photon emission for (n,3n)



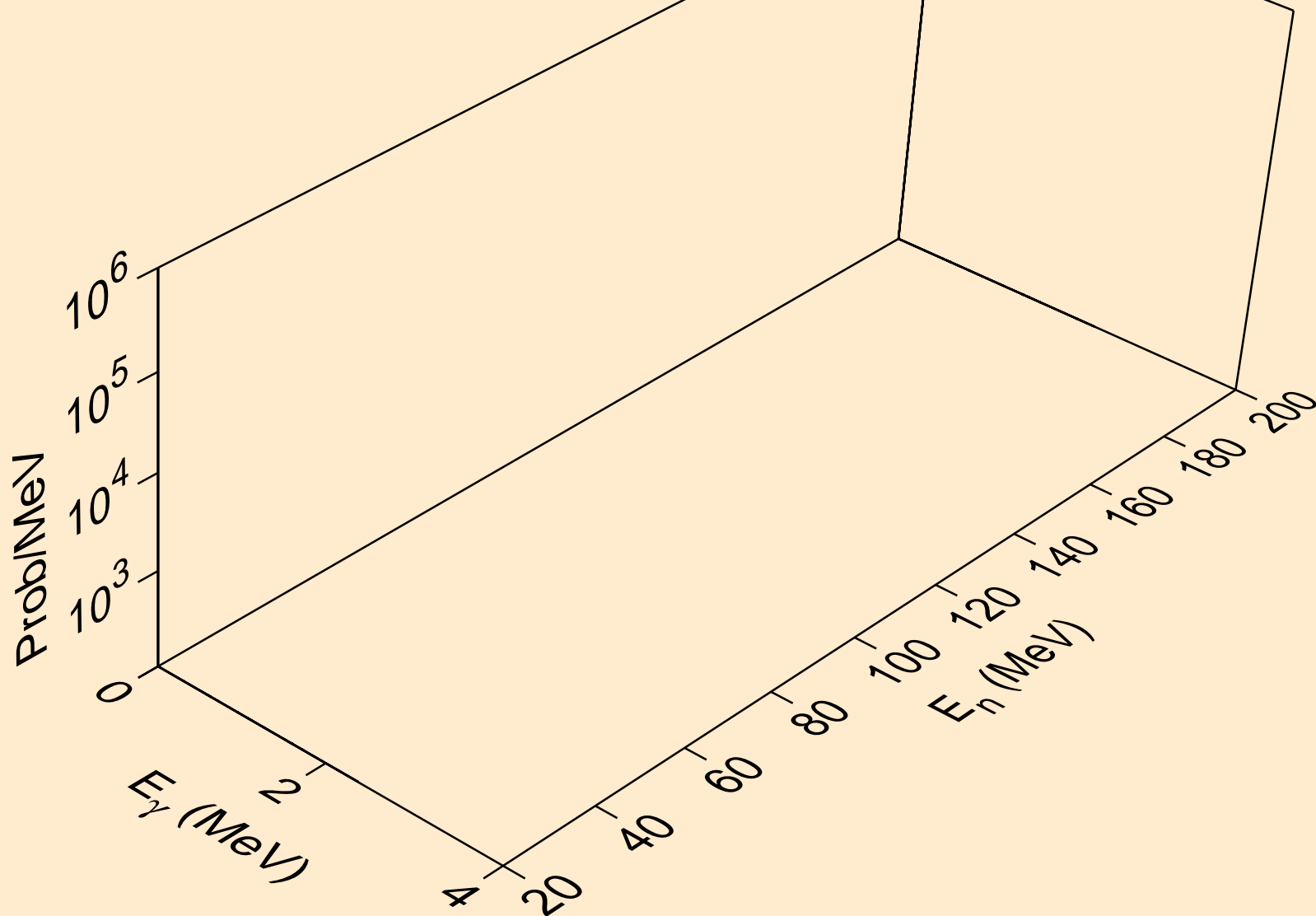
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Photon emission for (n,n\*)a



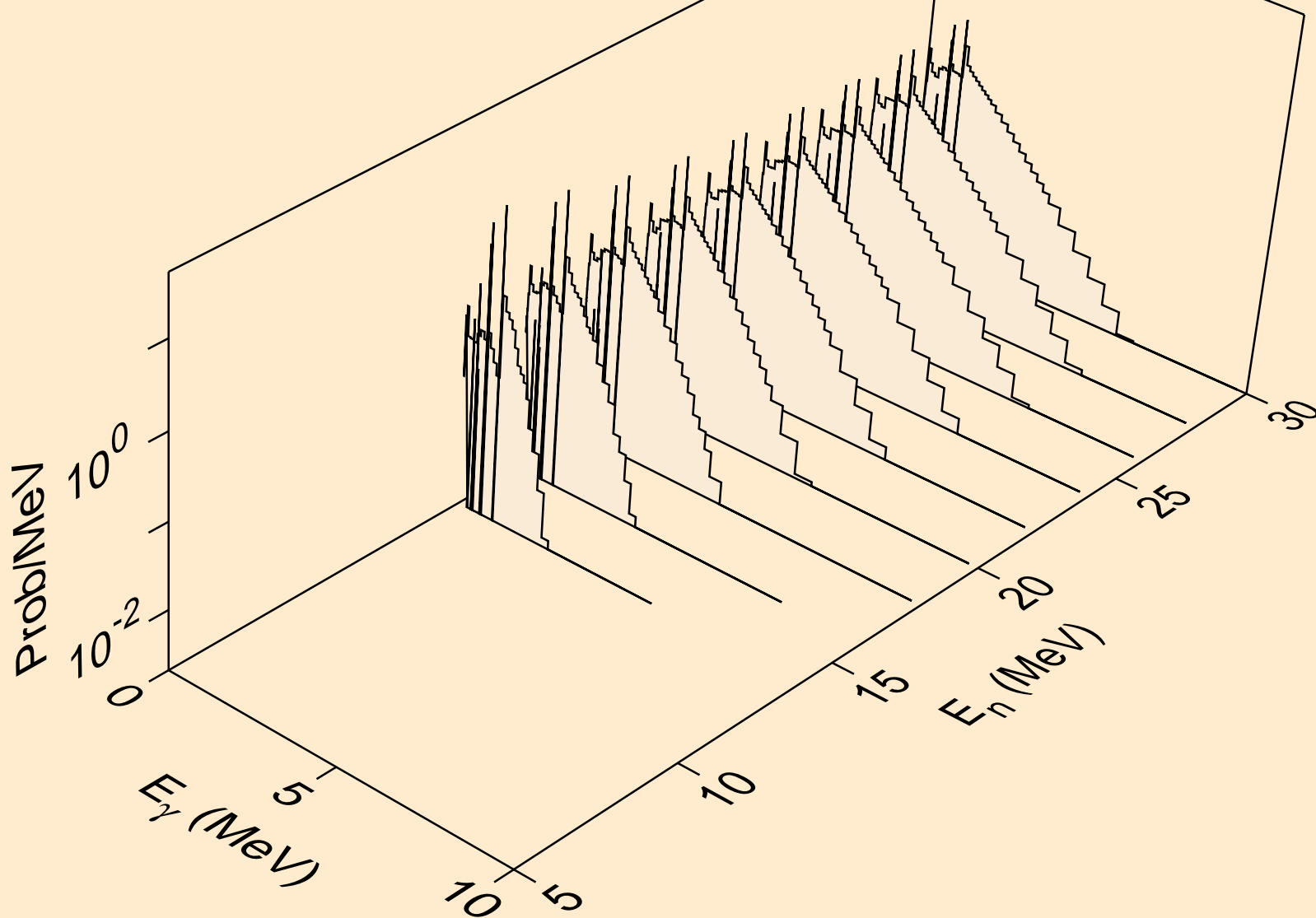
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Photon emission for (n,2n)a



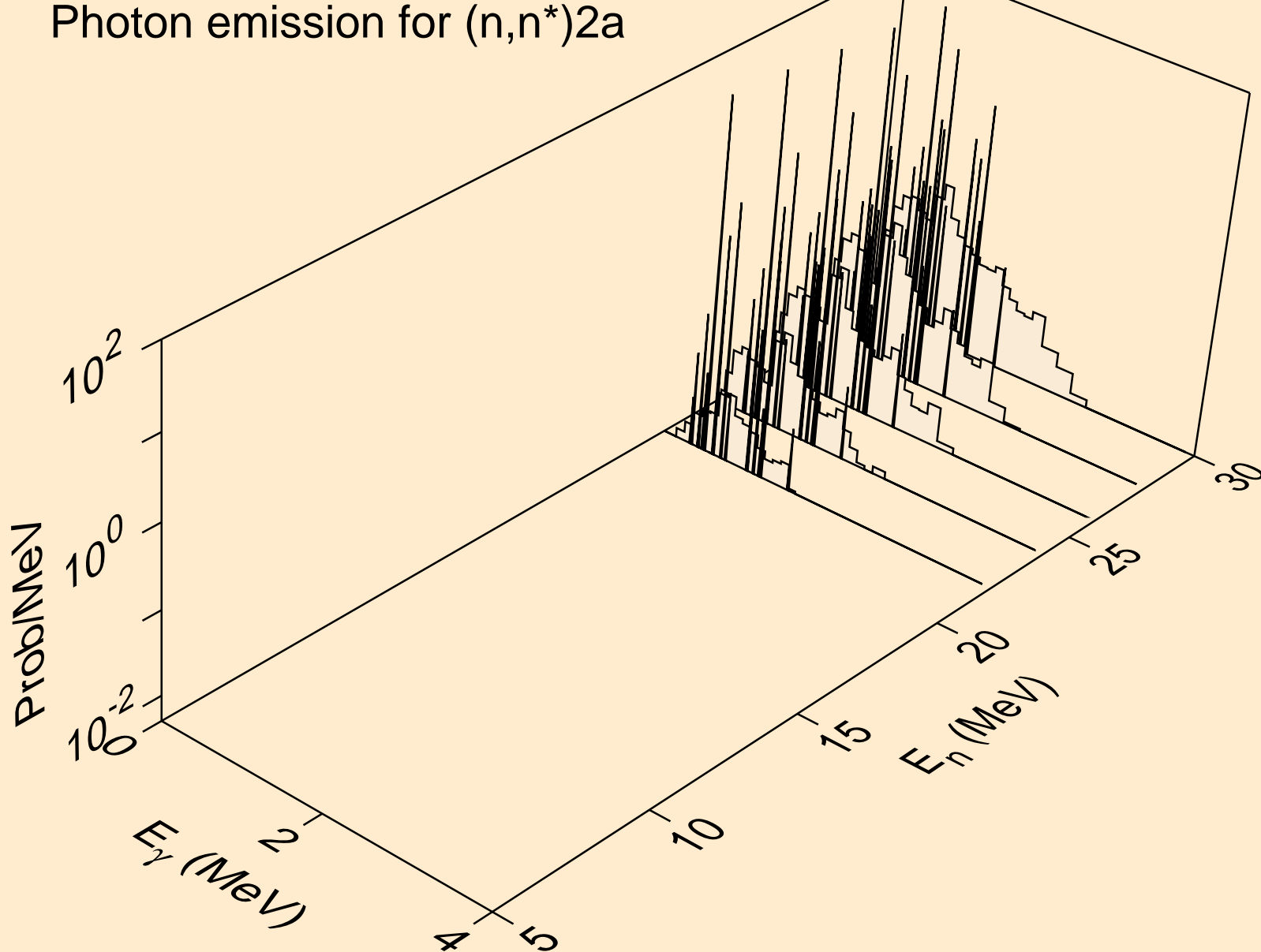
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Photon emission for (n,3n)a



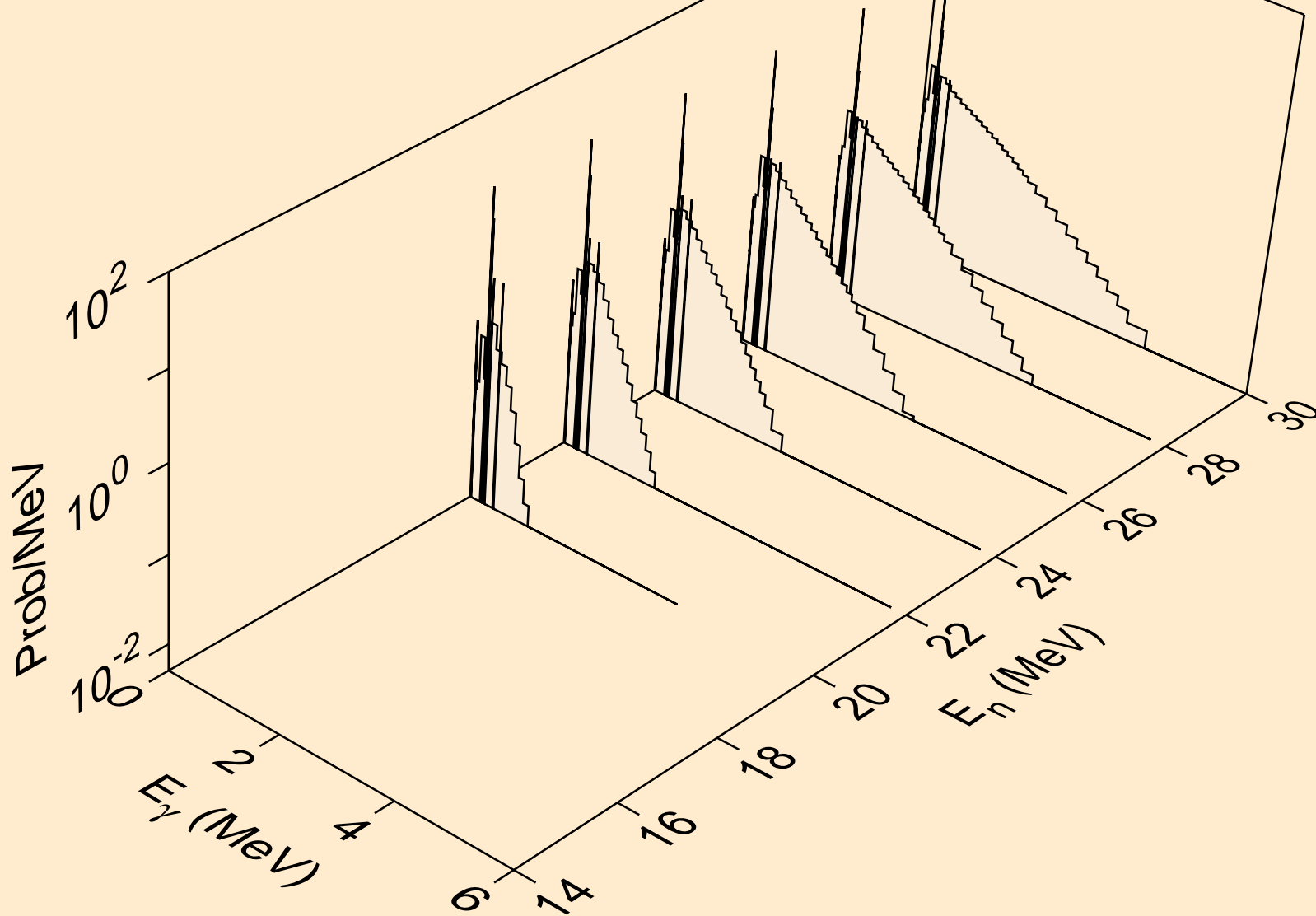
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Photon emission for (n,n\*)p



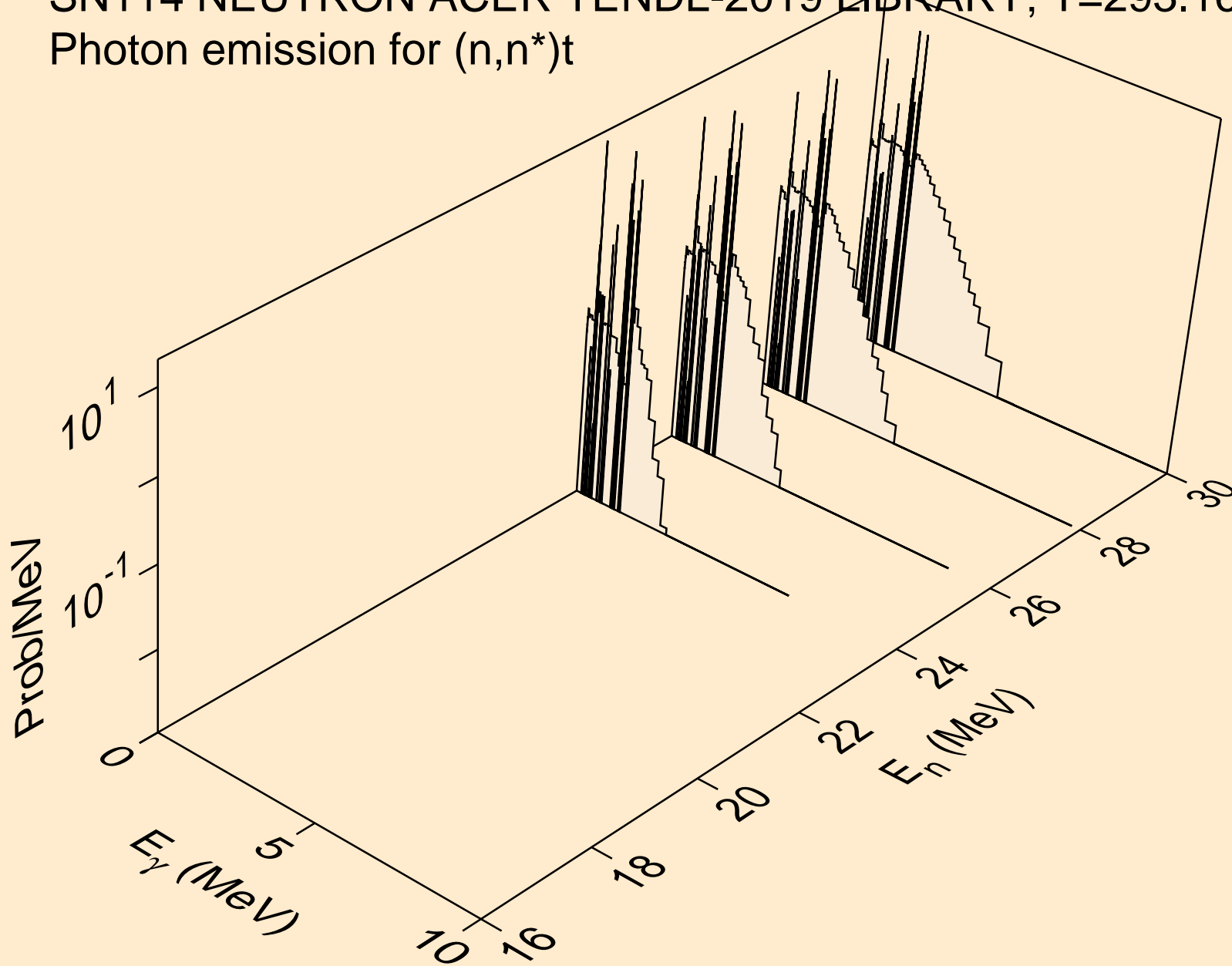
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Photon emission for (n,n\*)2a



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

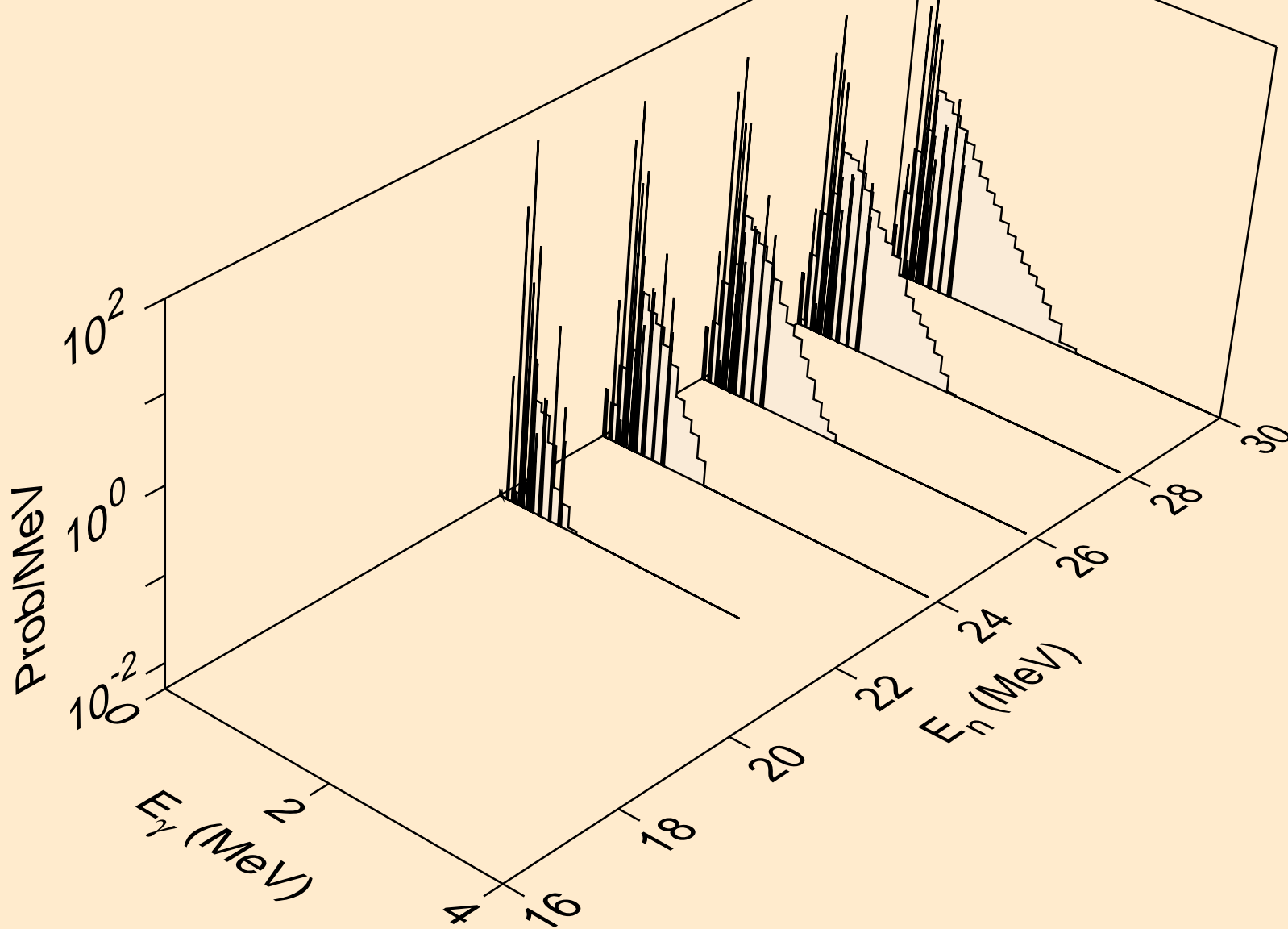


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Photon emission for (n,n\*)t

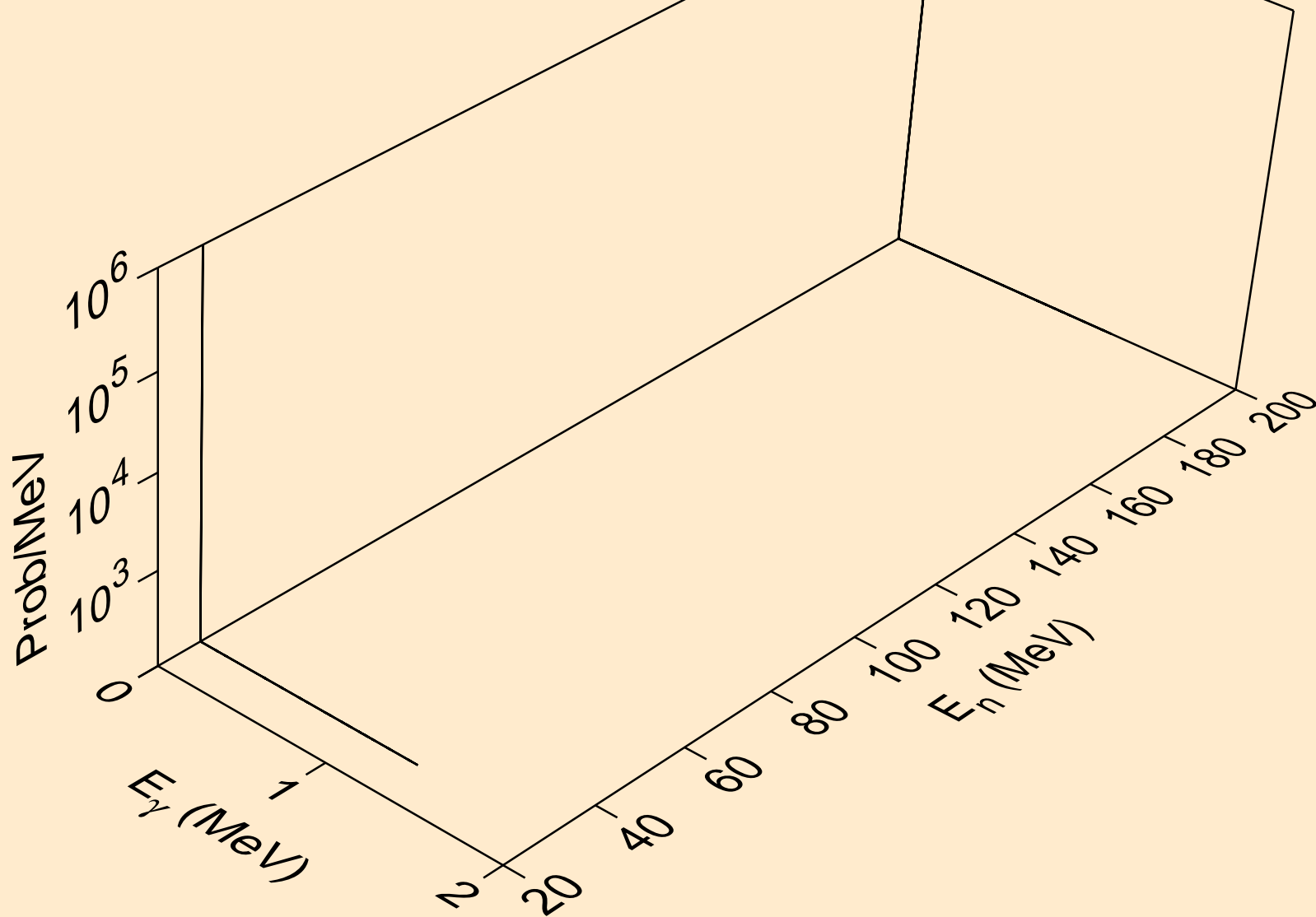




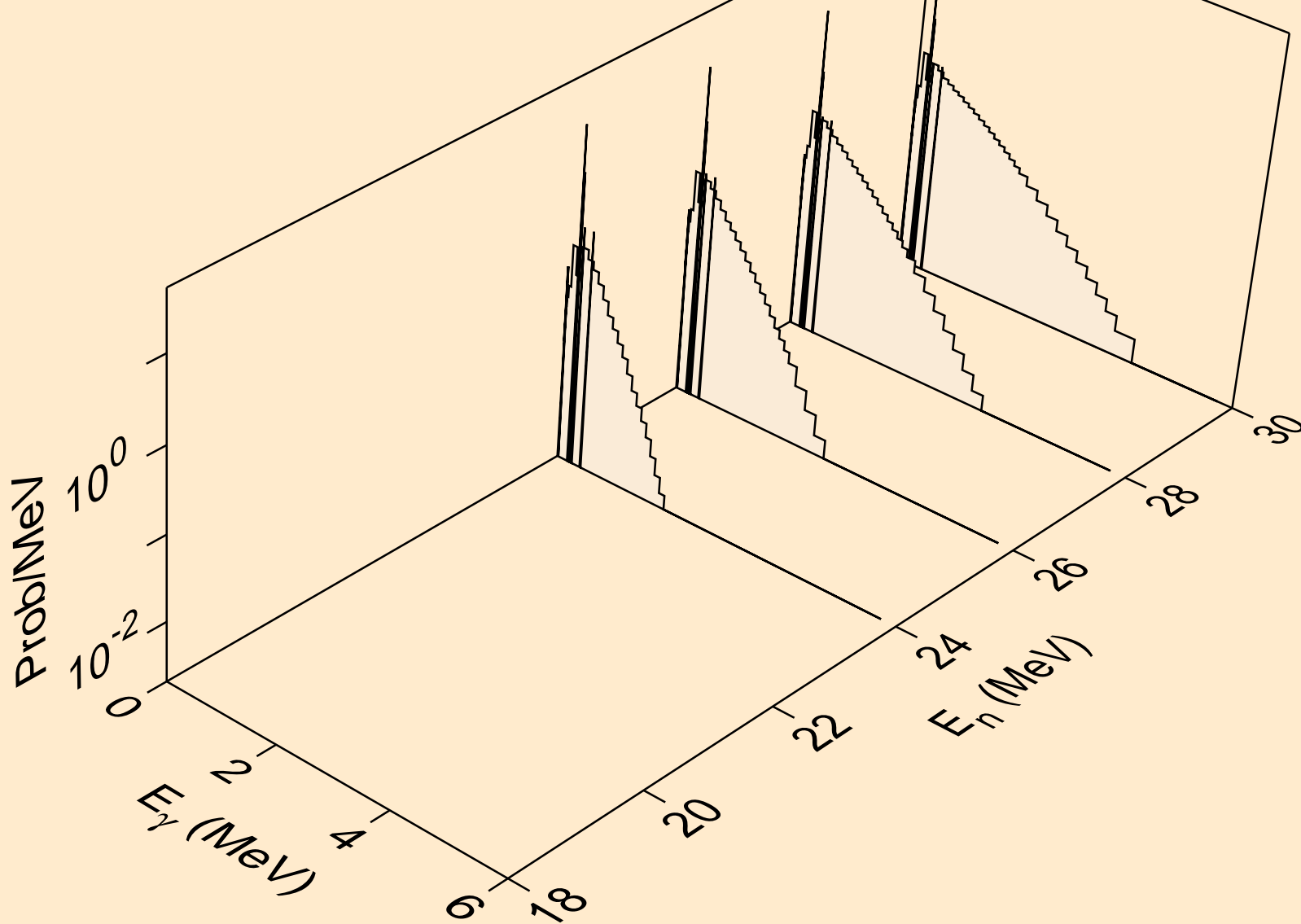
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Photon emission for (n,n\*)he3



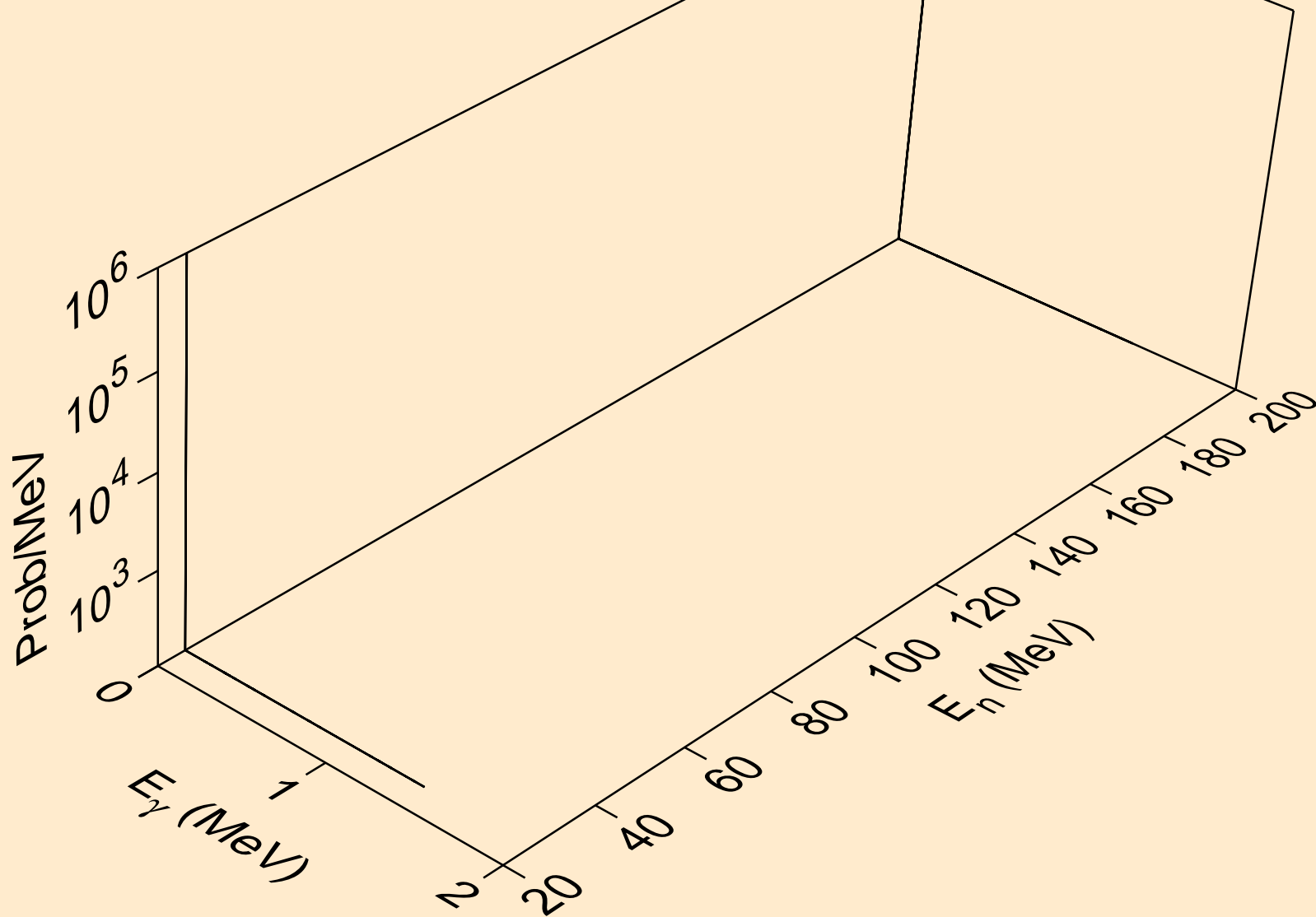
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Photon emission for (n,4n)



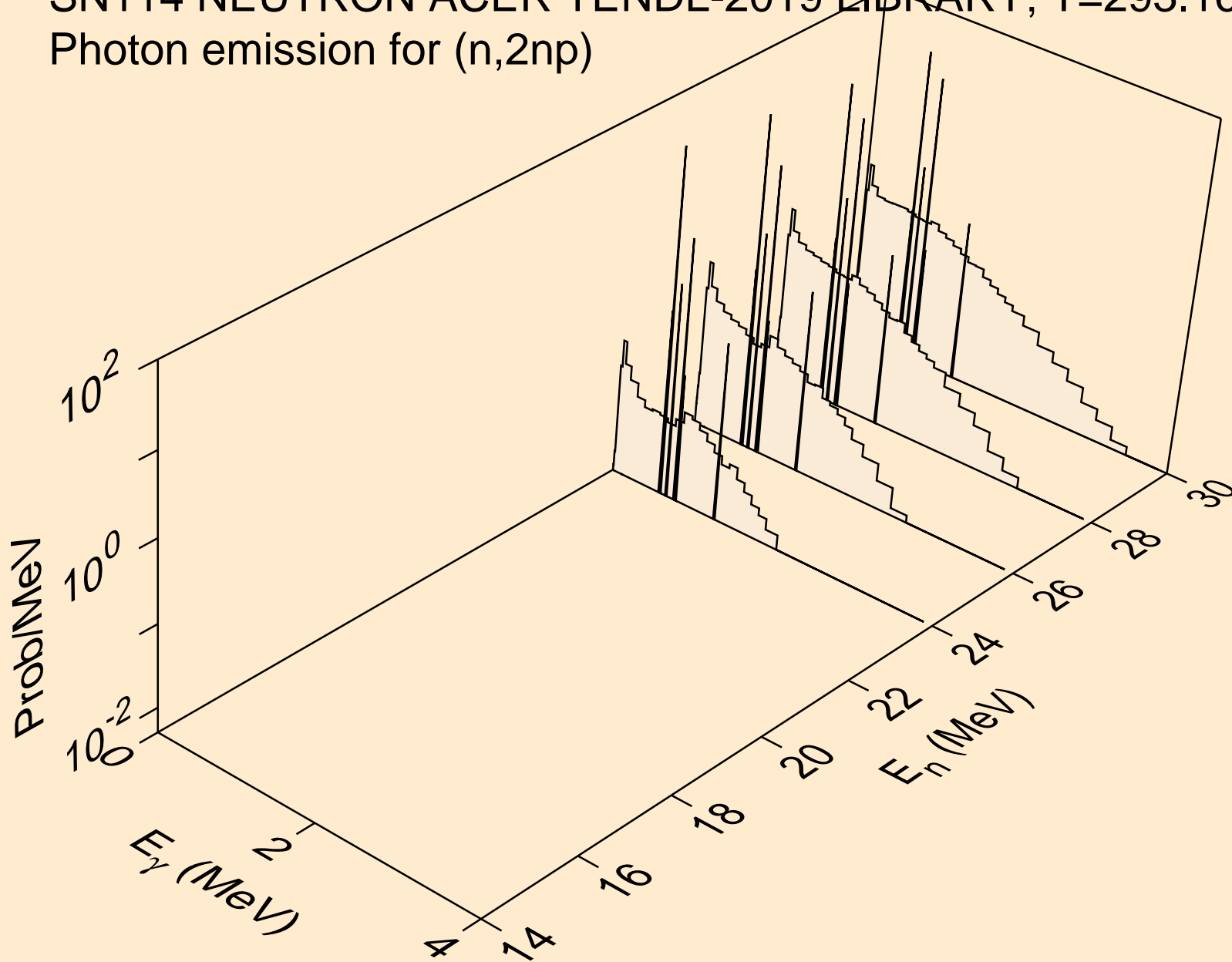
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Photon emission for (n,2np)



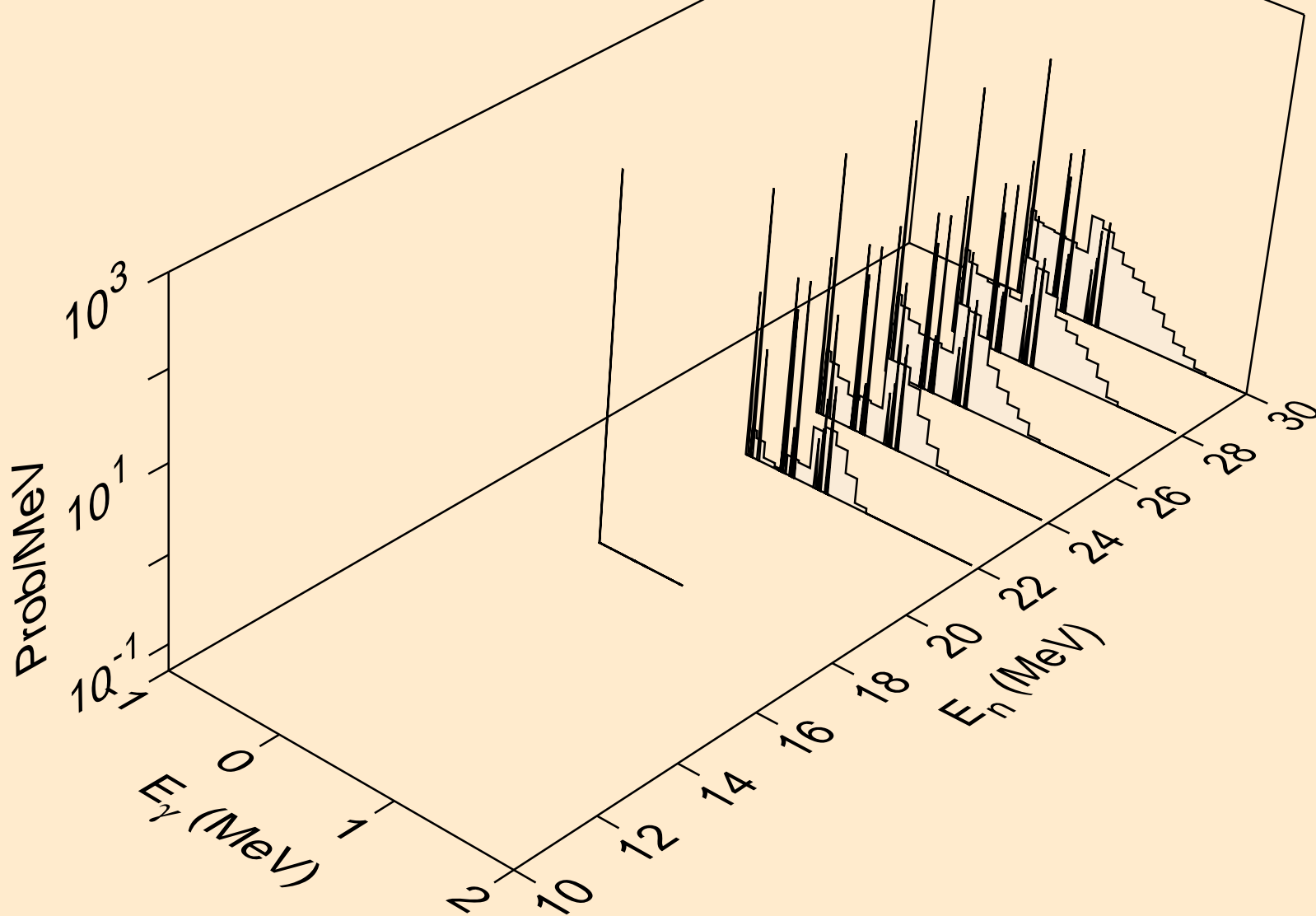
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Photon emission for (n,3np)



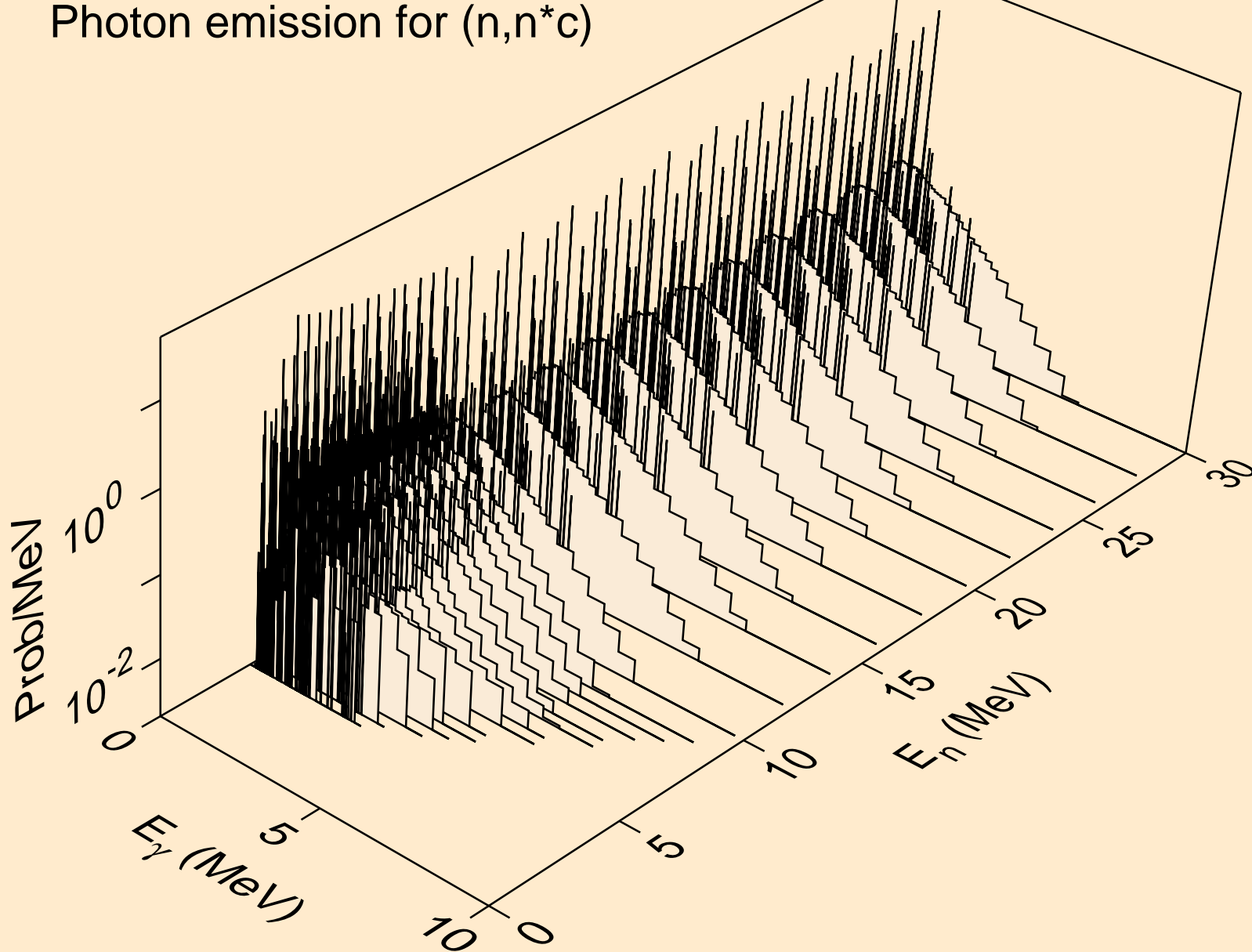
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Photon emission for (n,2np)



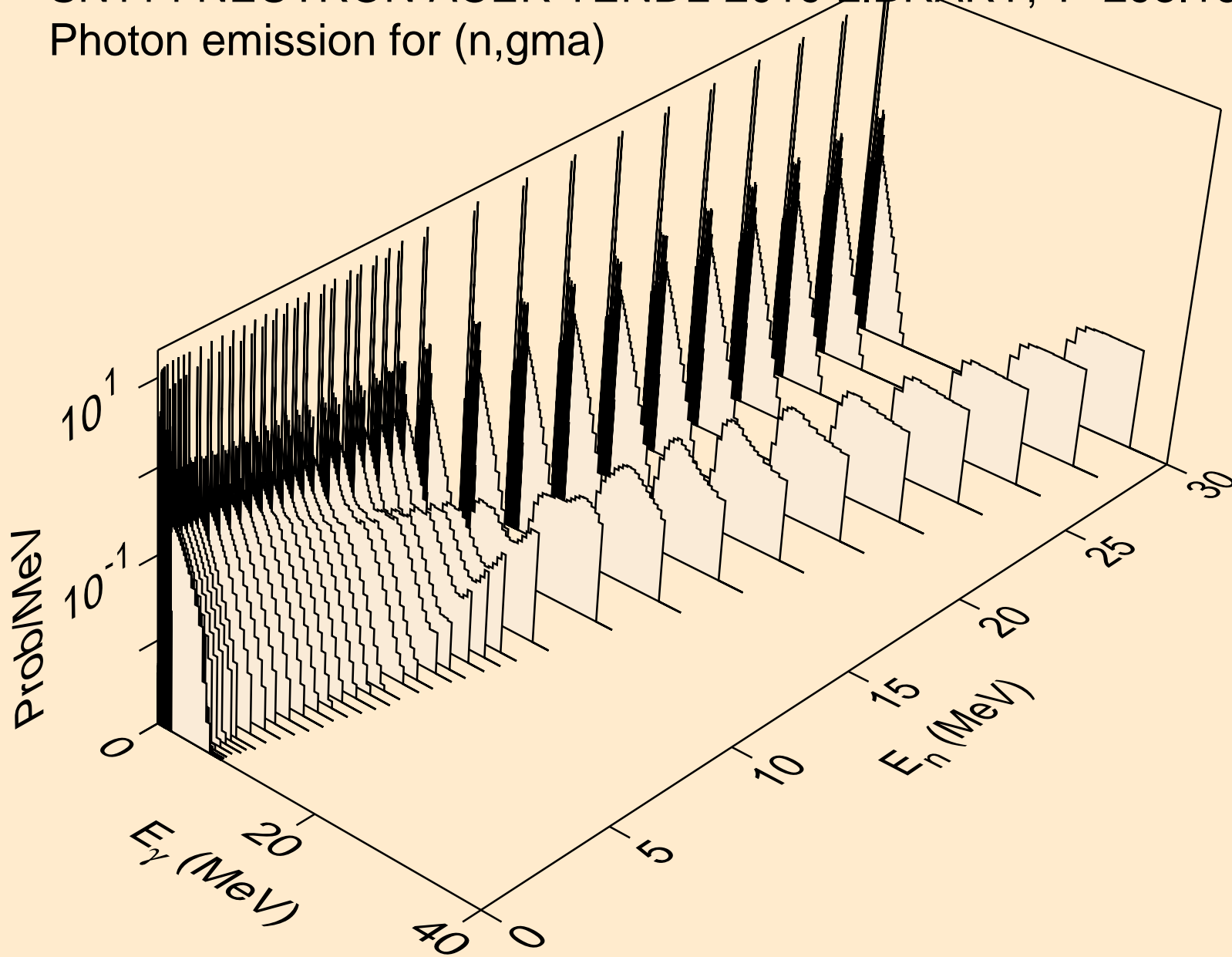
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Photon emission for (n,npa)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

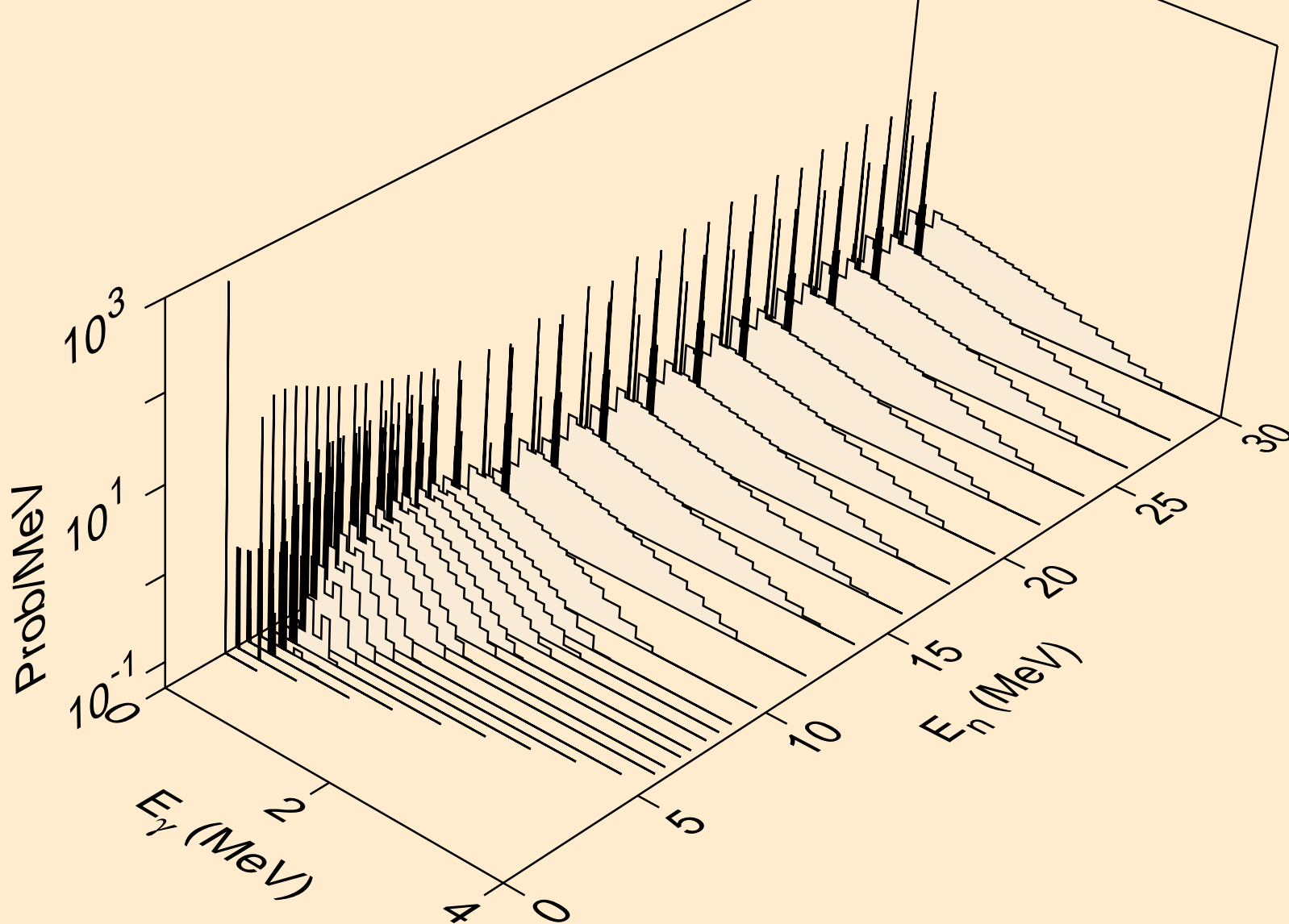


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Photon emission for (n,gma)

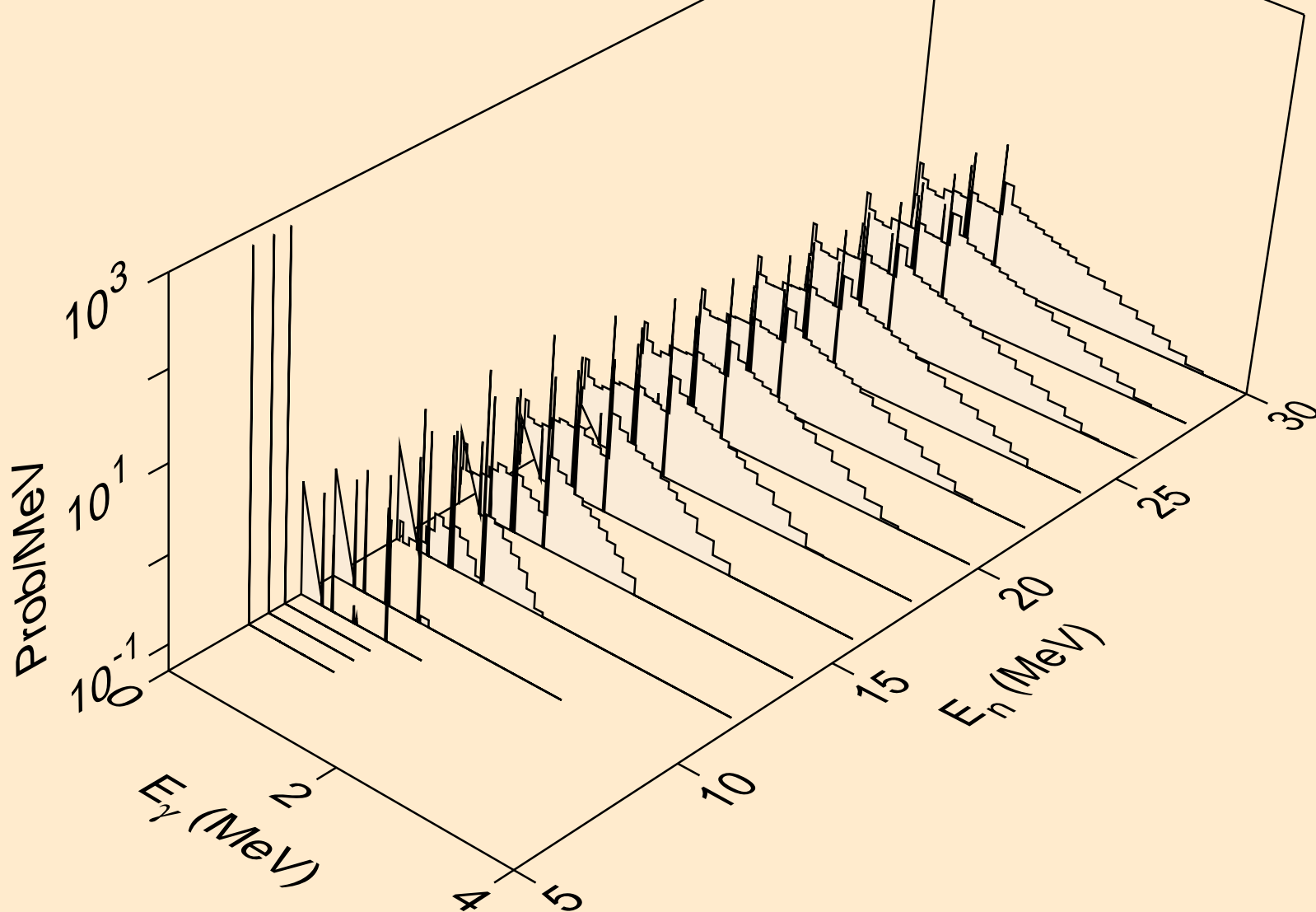




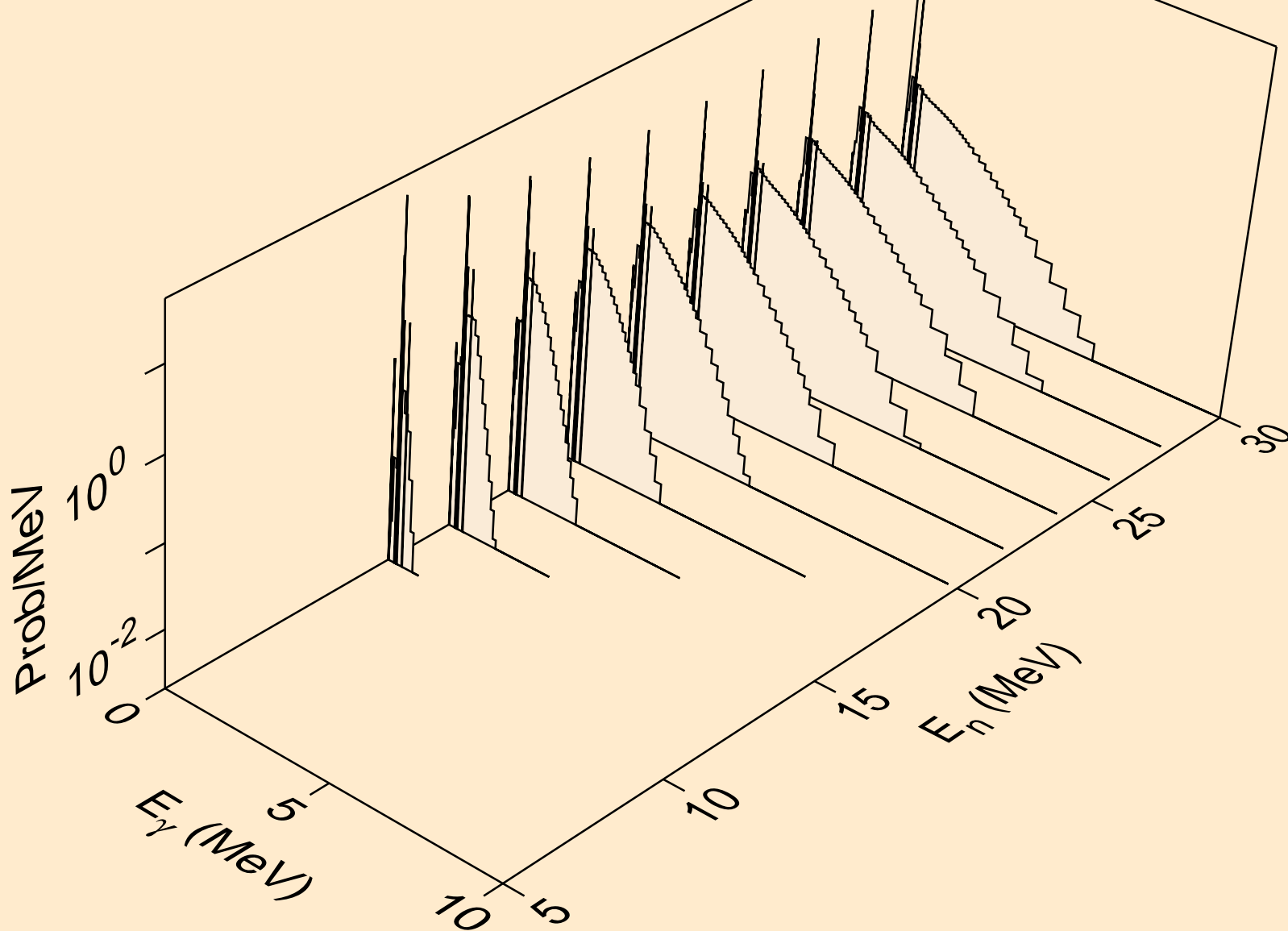
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Photon emission for (n,p)



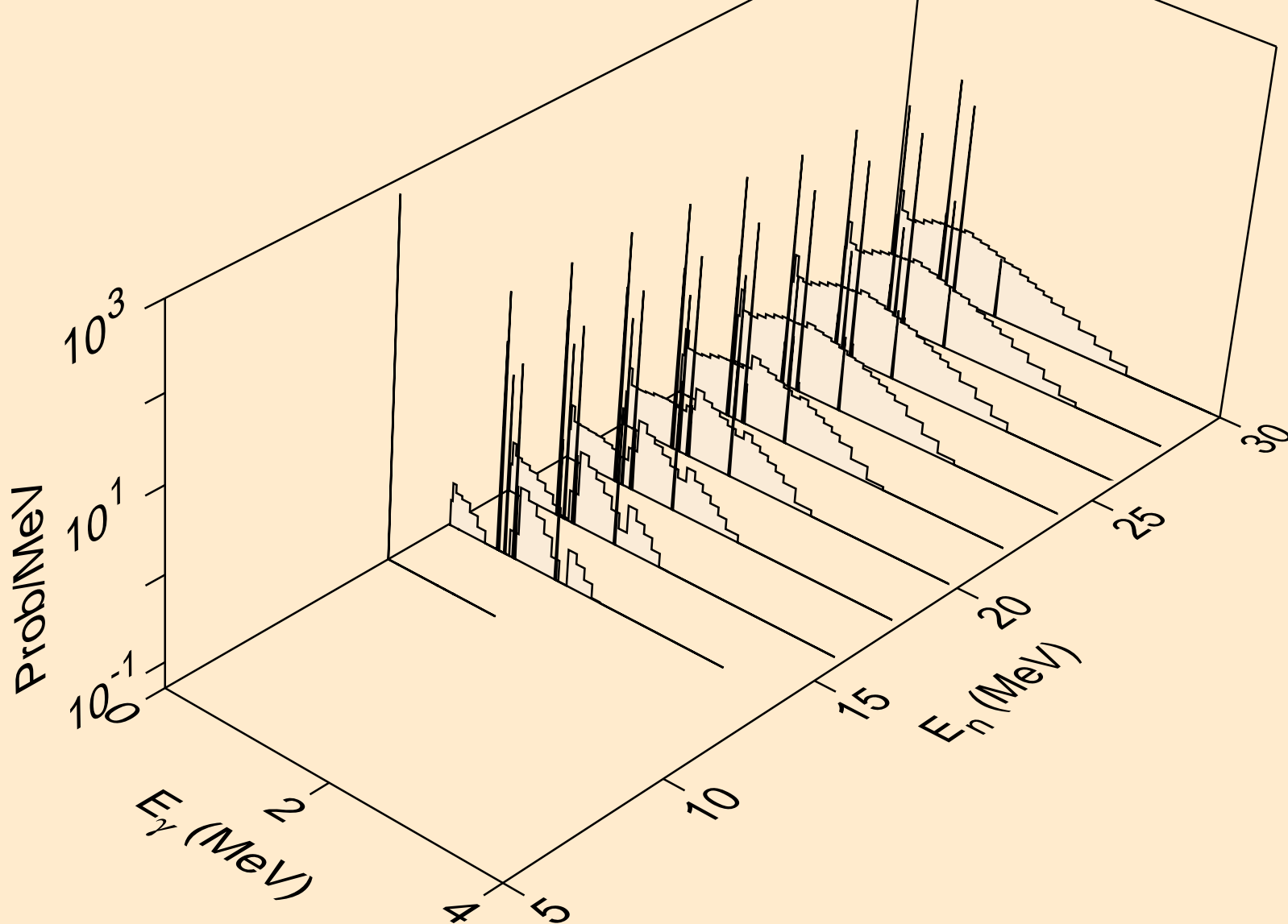
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Photon emission for (n,d)



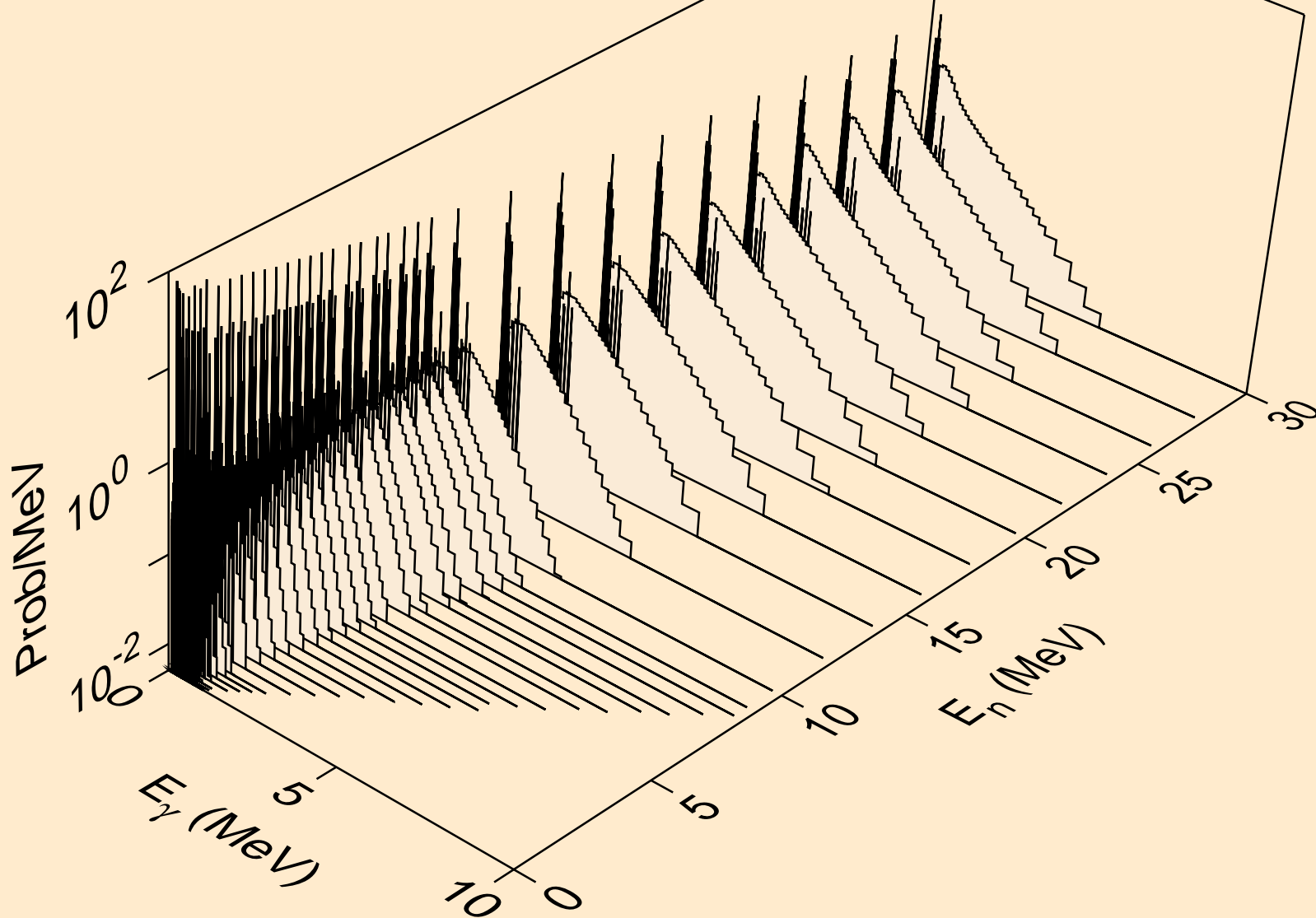
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Photon emission for (n,t)



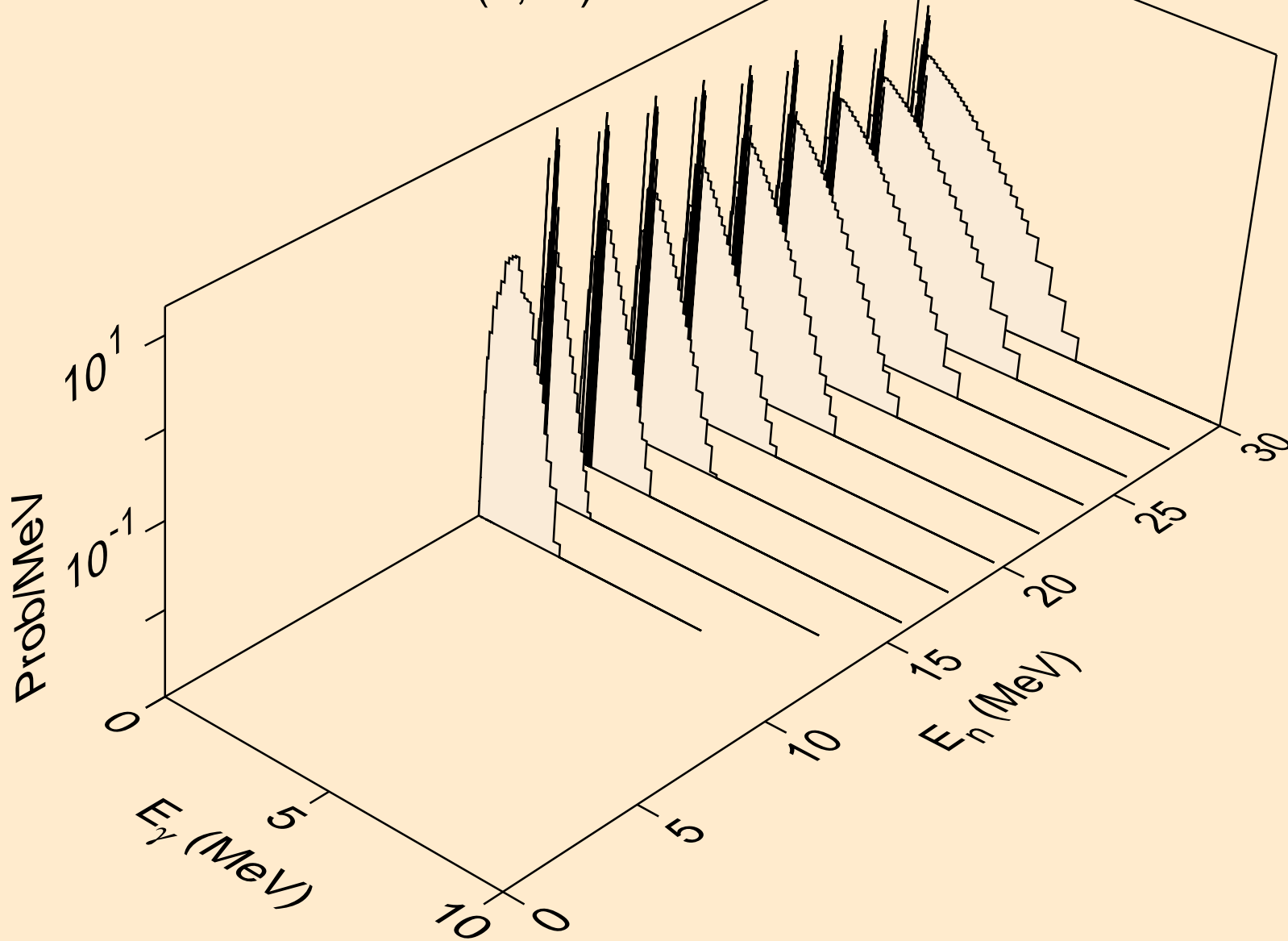
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Photon emission for (n,he3)



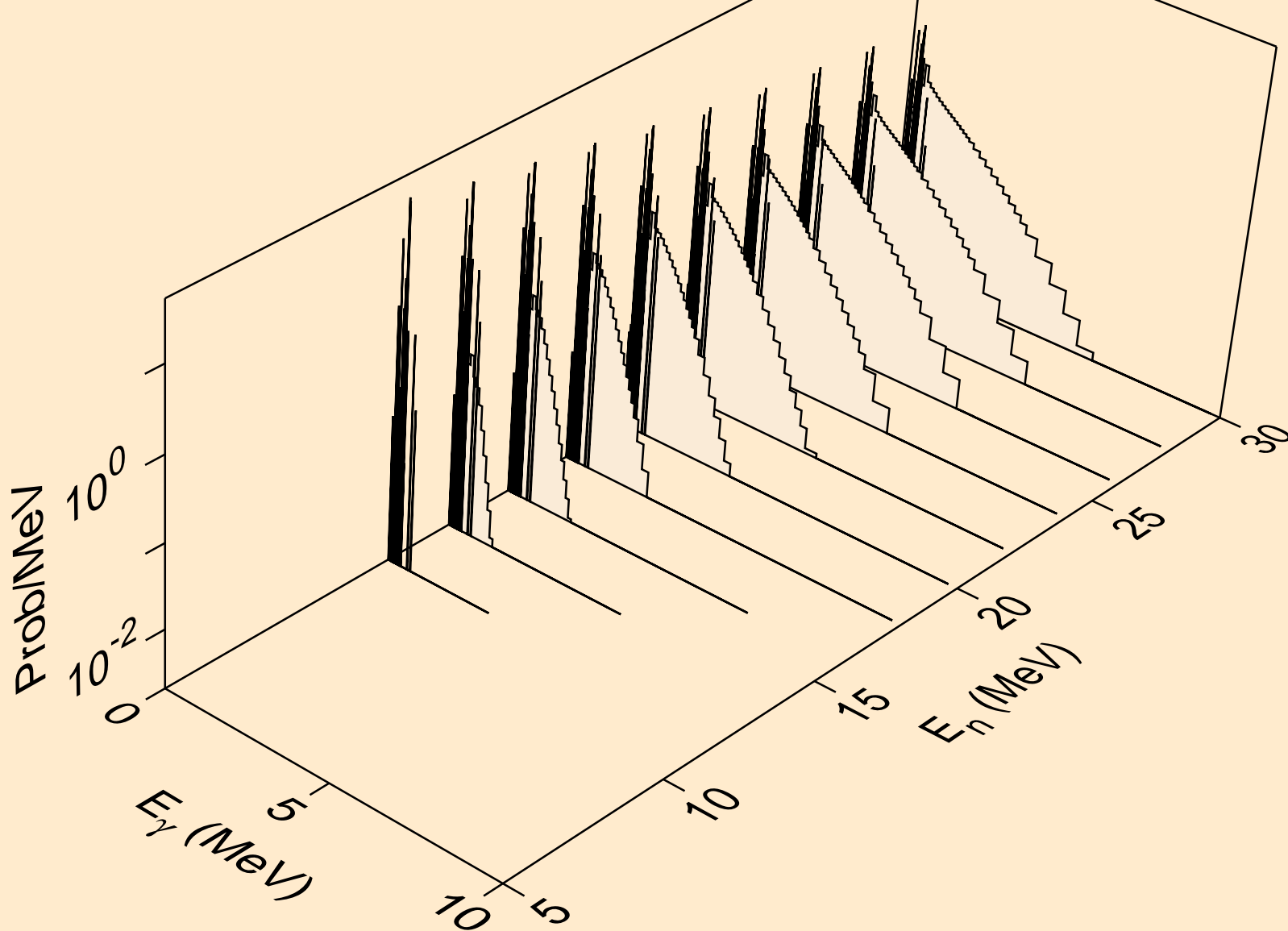
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Photon emission for (n,a)



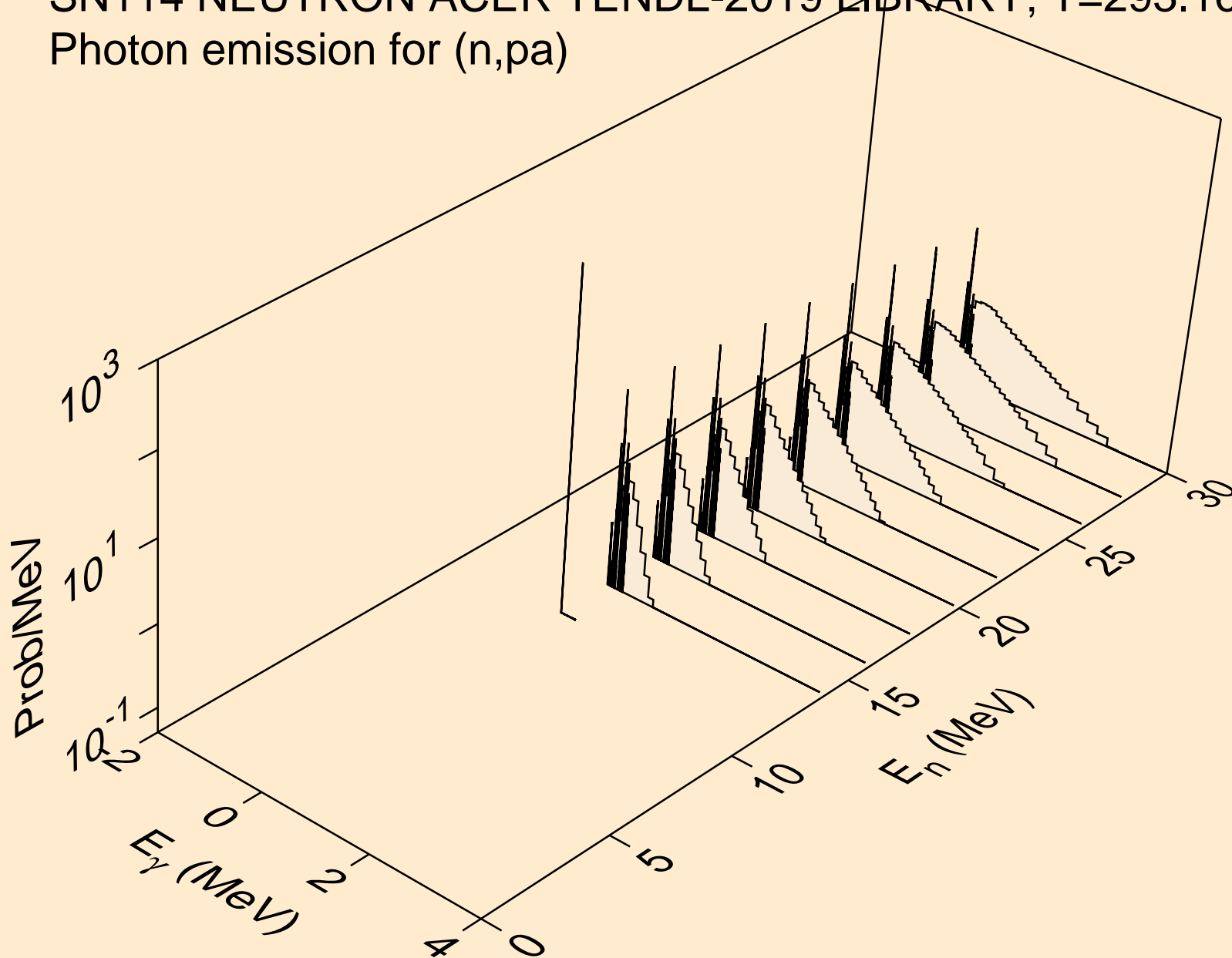
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Photon emission for (n,2a)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

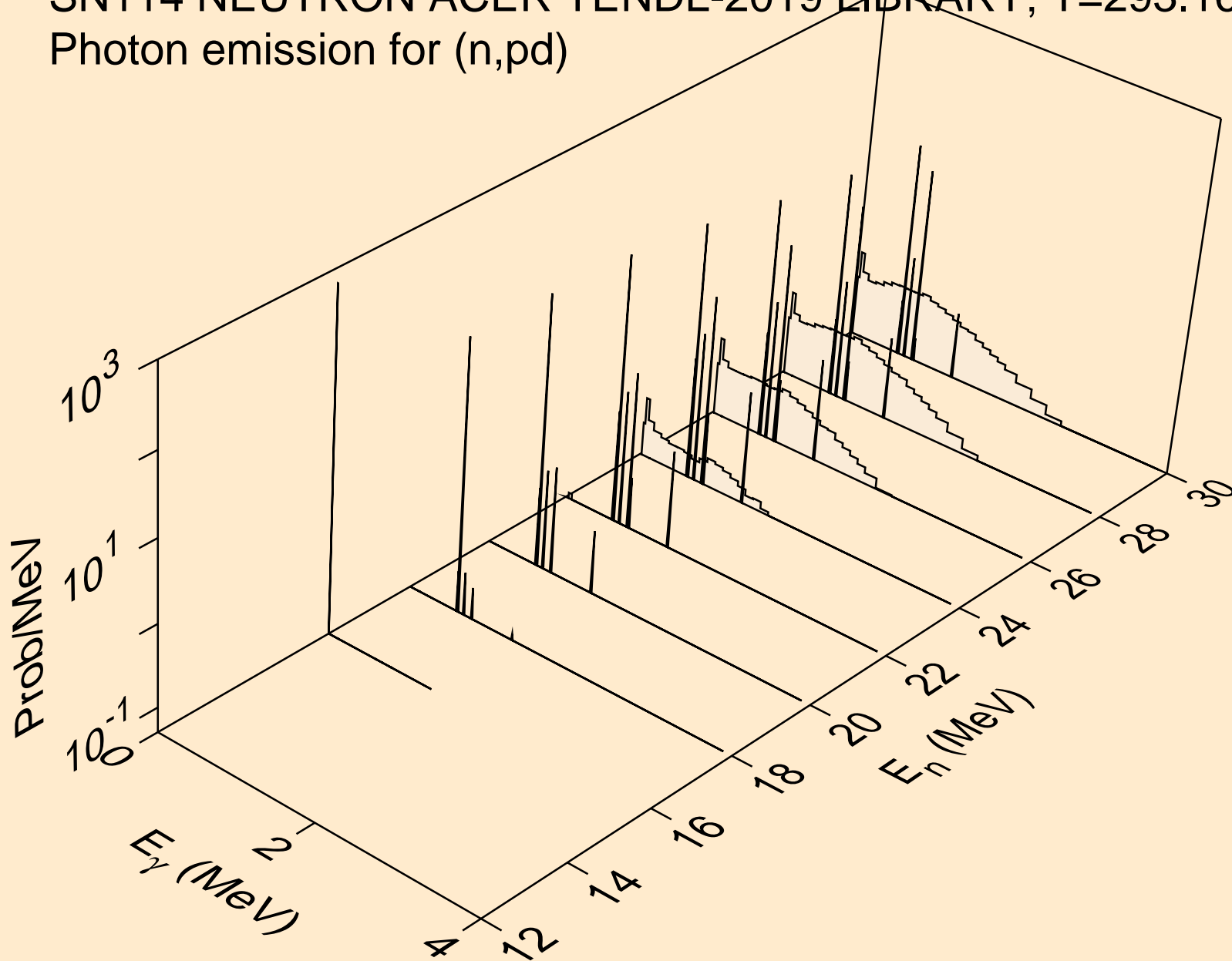


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Photon emission for (n,p)

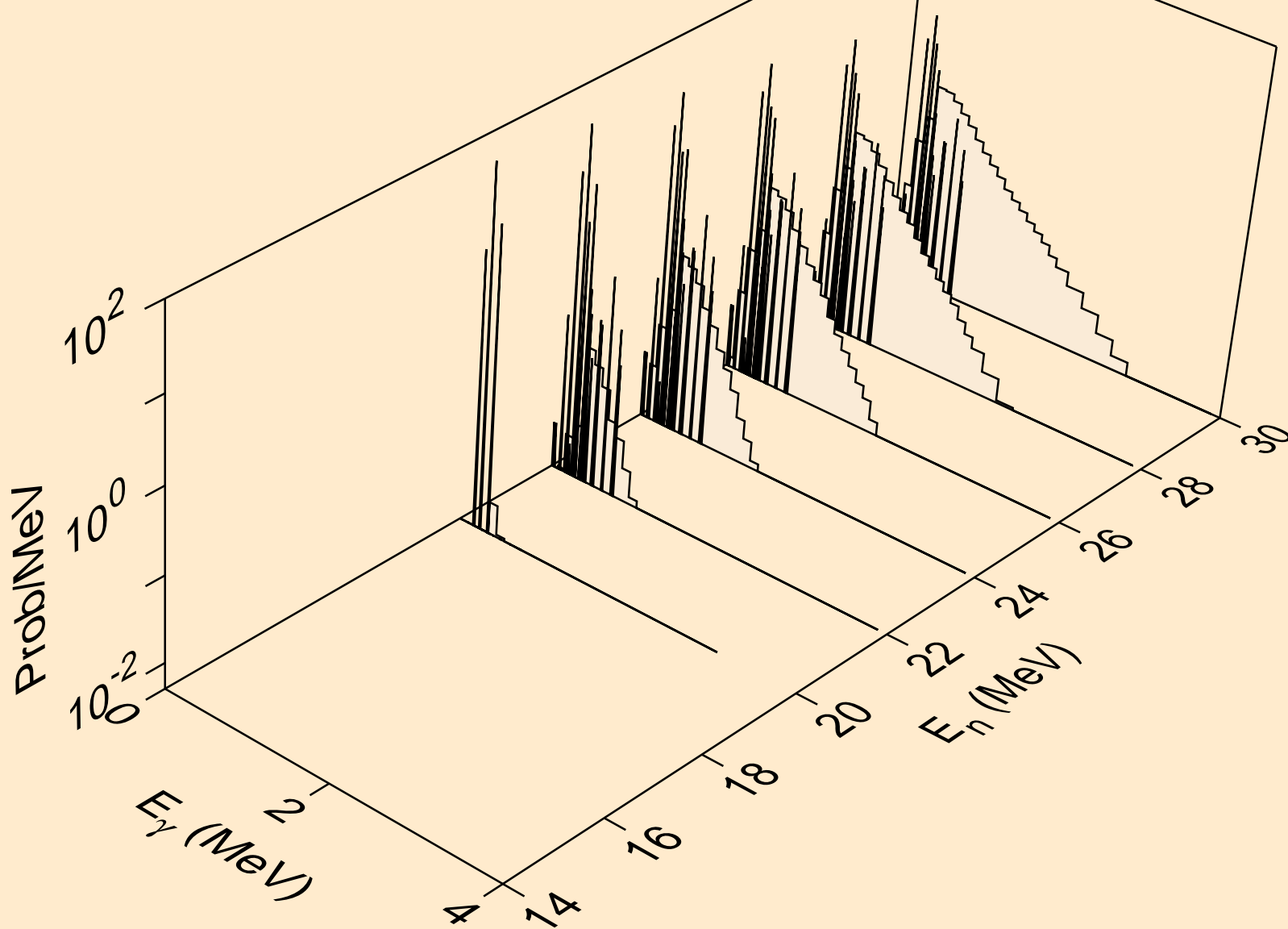




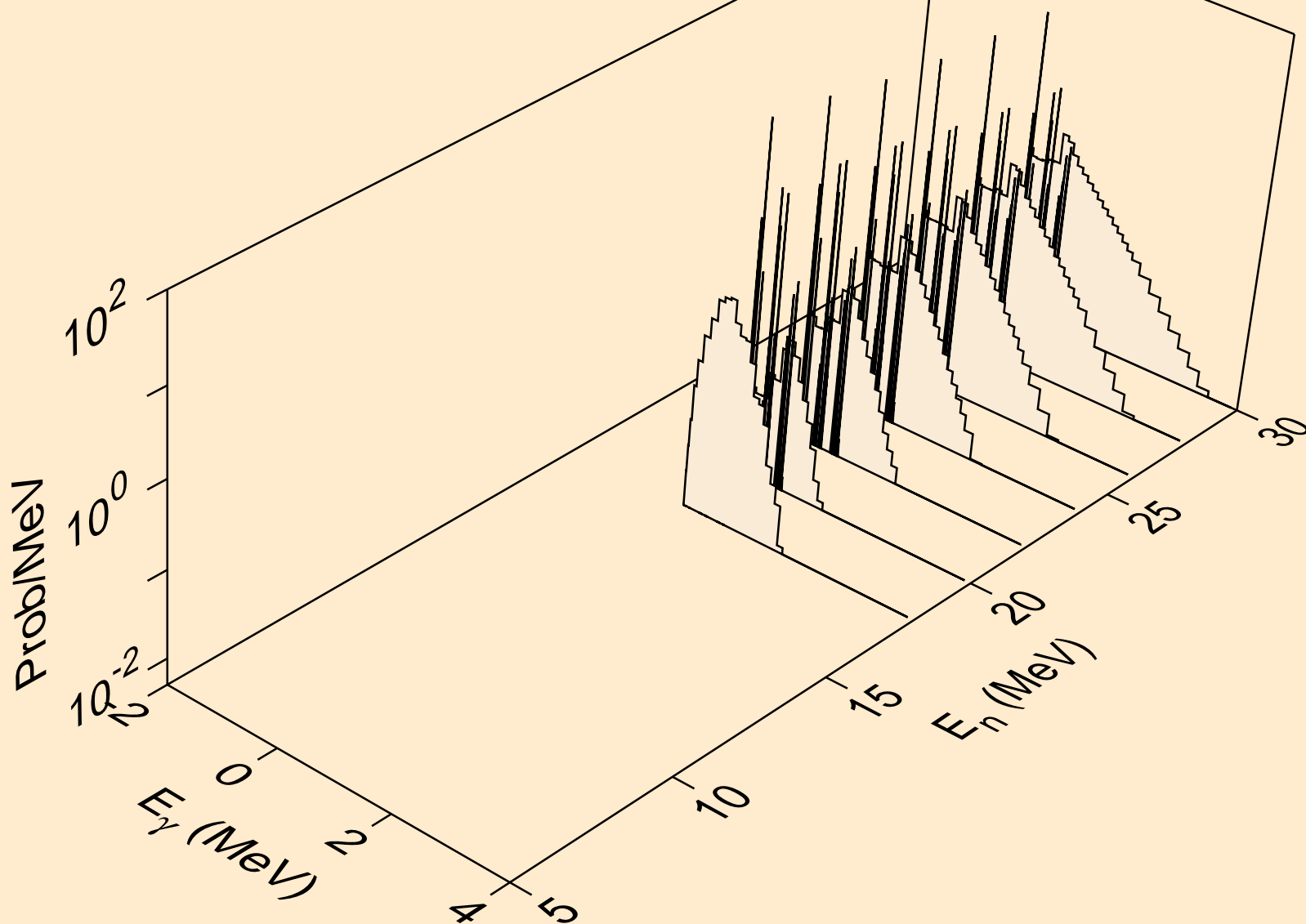
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Photon emission for (n,pd)



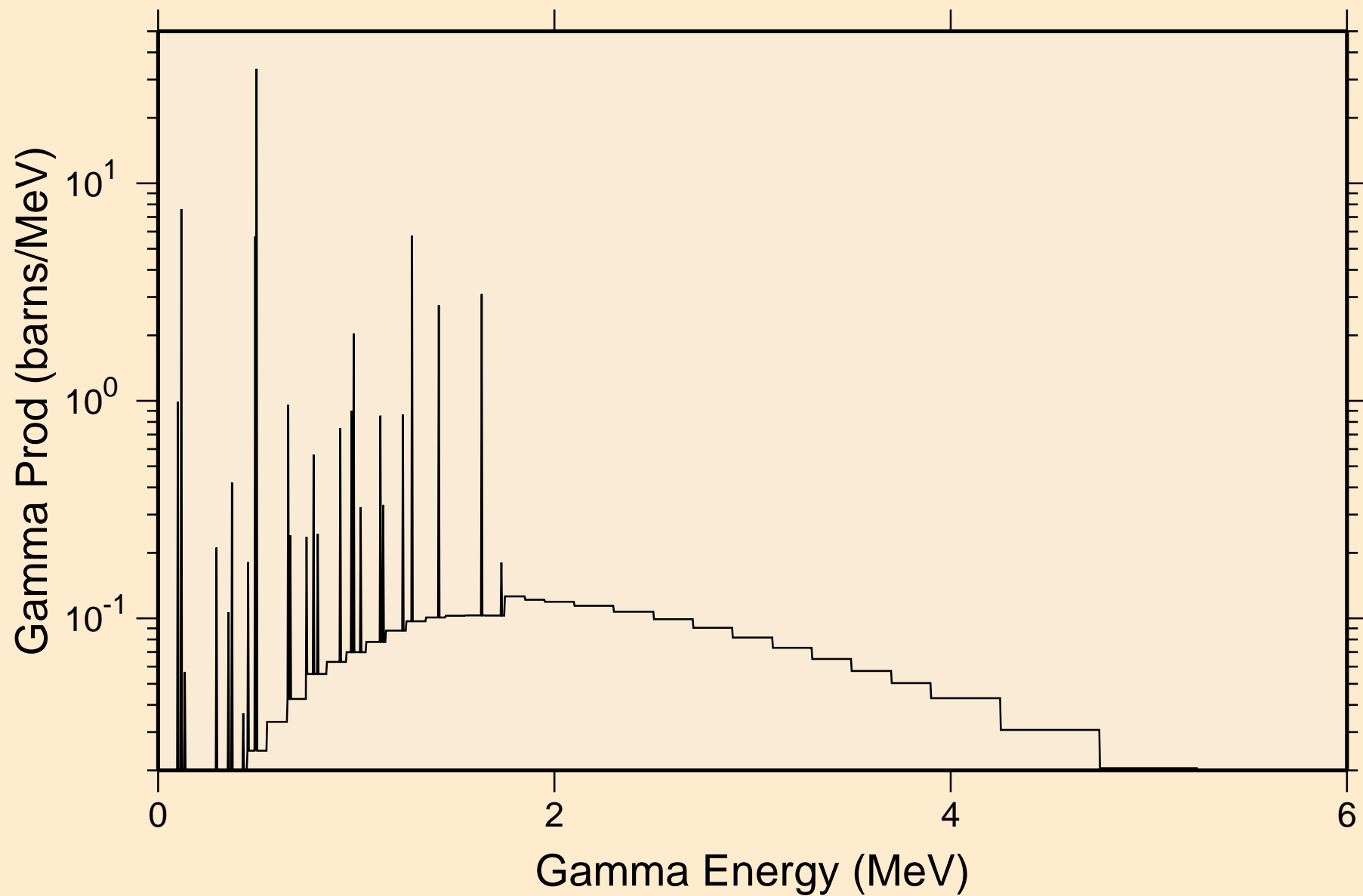
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Photon emission for (n,pt)



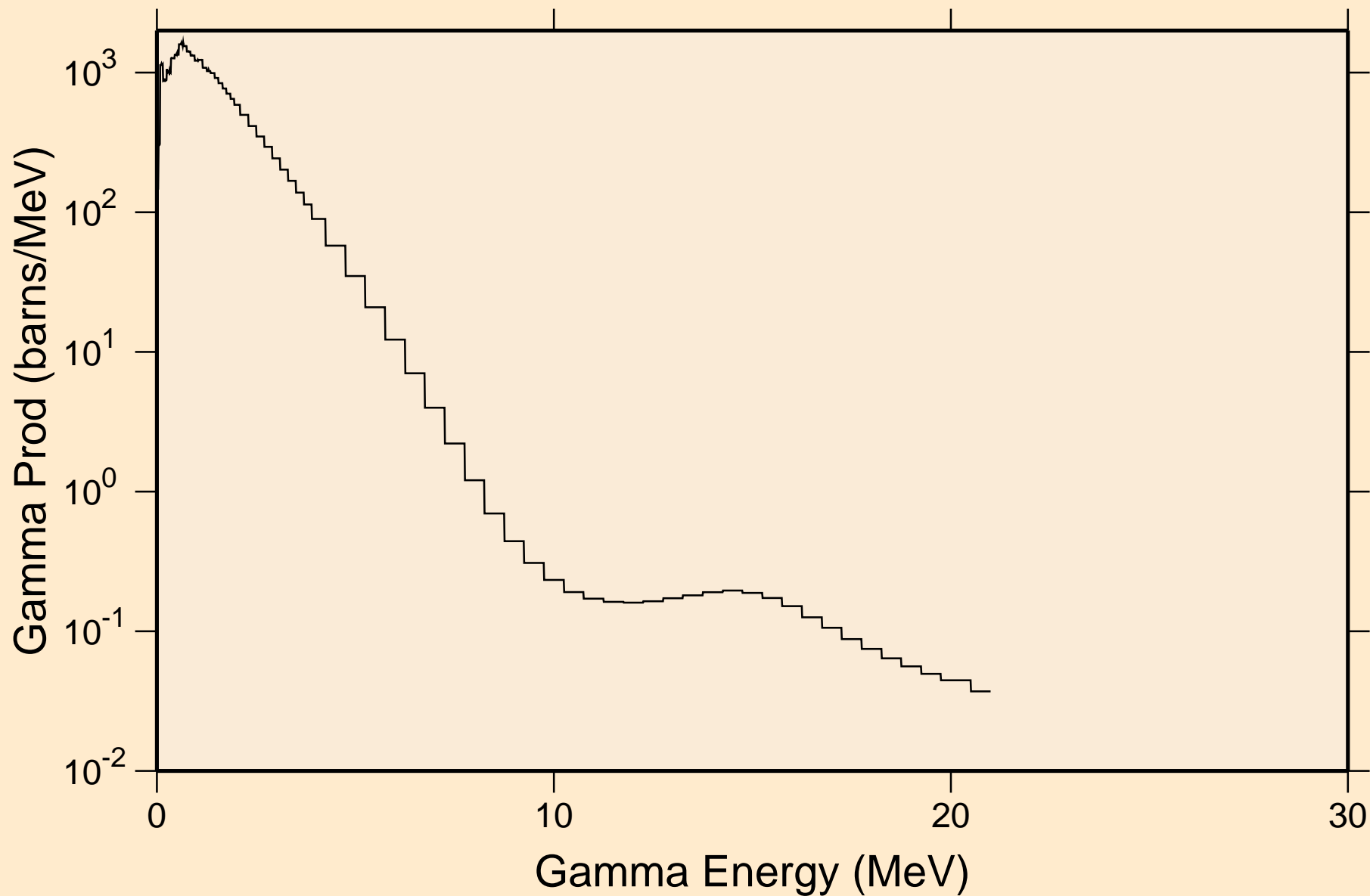
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Photon emission for (n,da)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

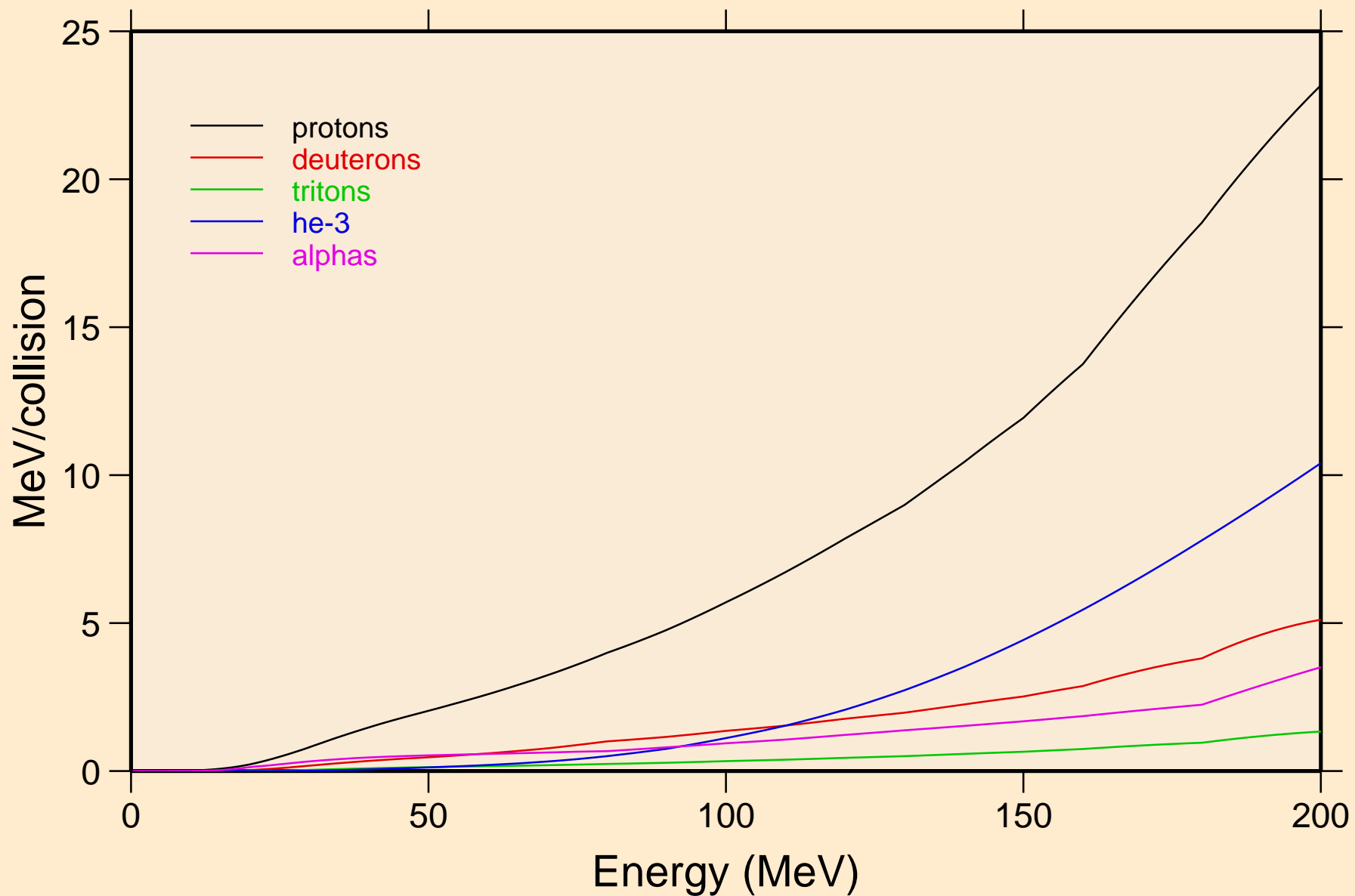


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14 MeV photon spectrum



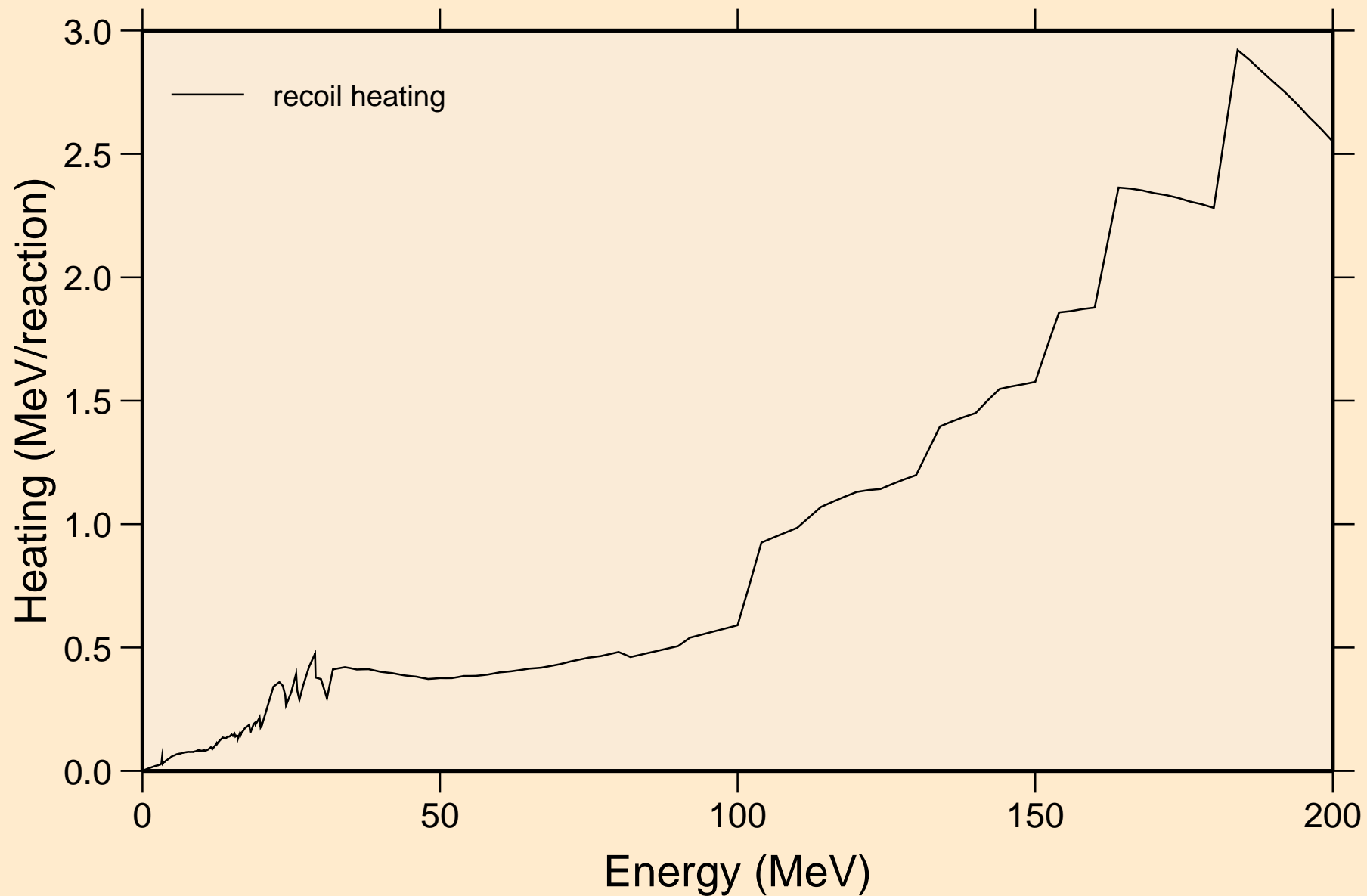
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## Particle heating contributions



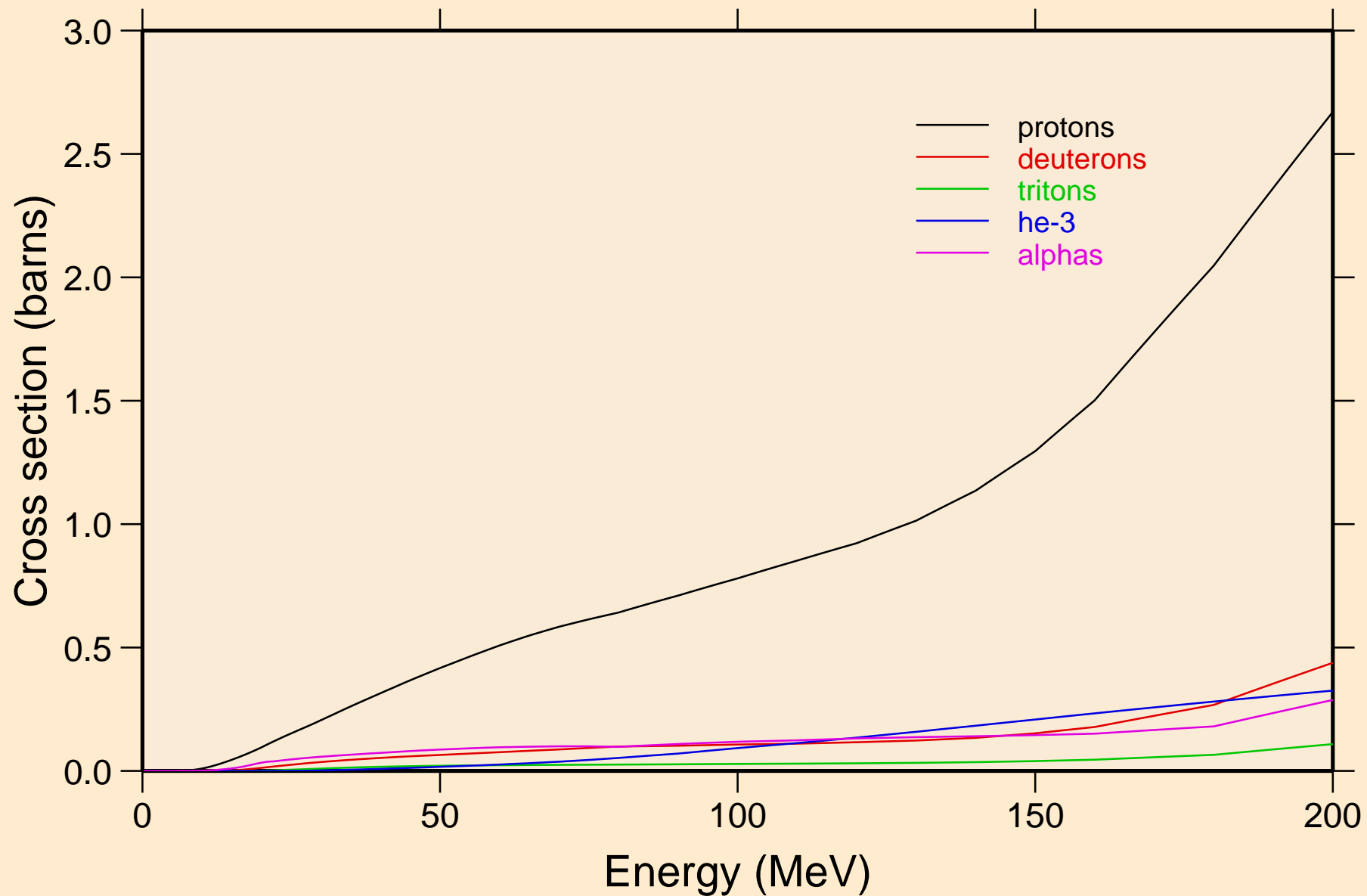
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## Recoil Heating



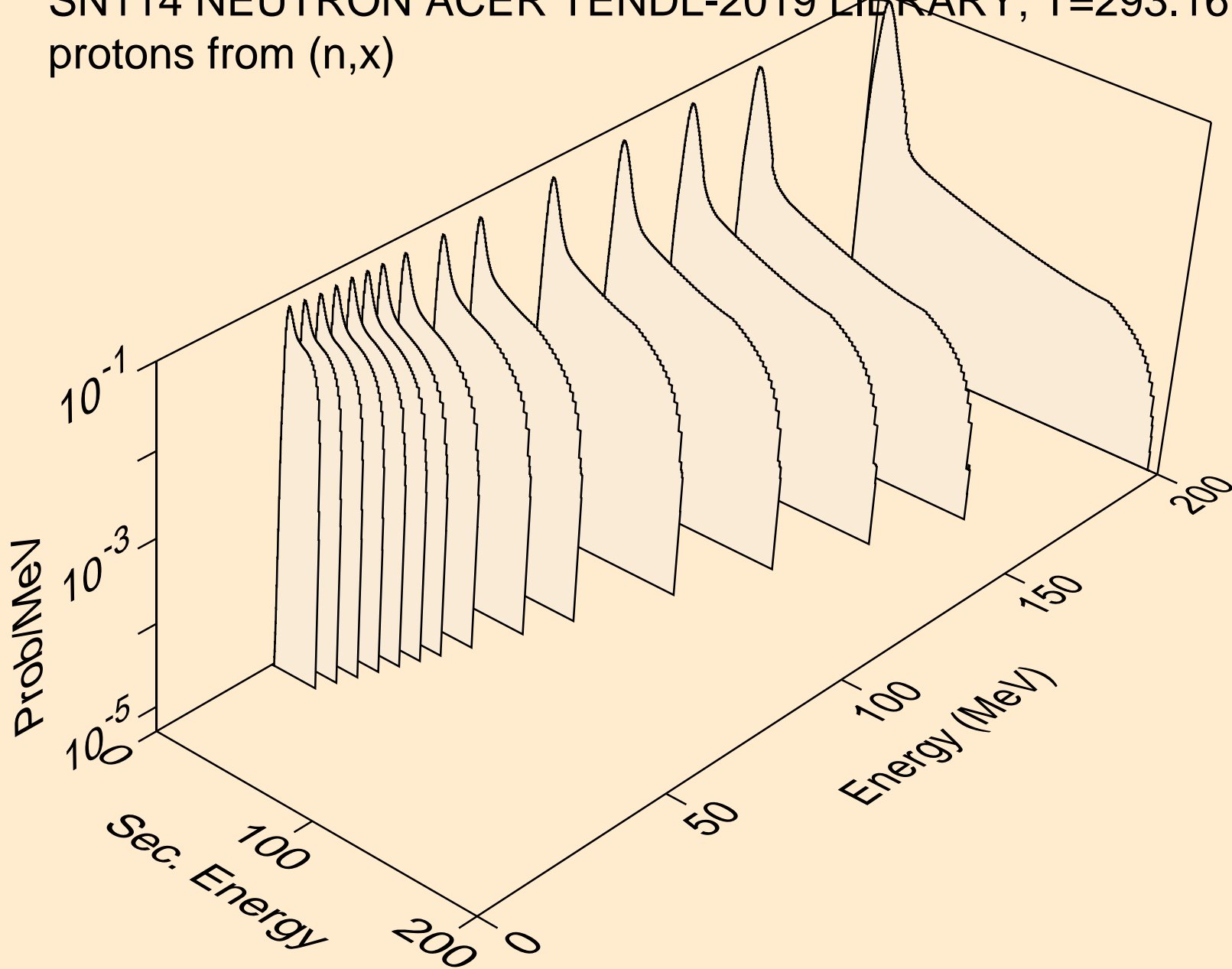
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## Particle production cross sections

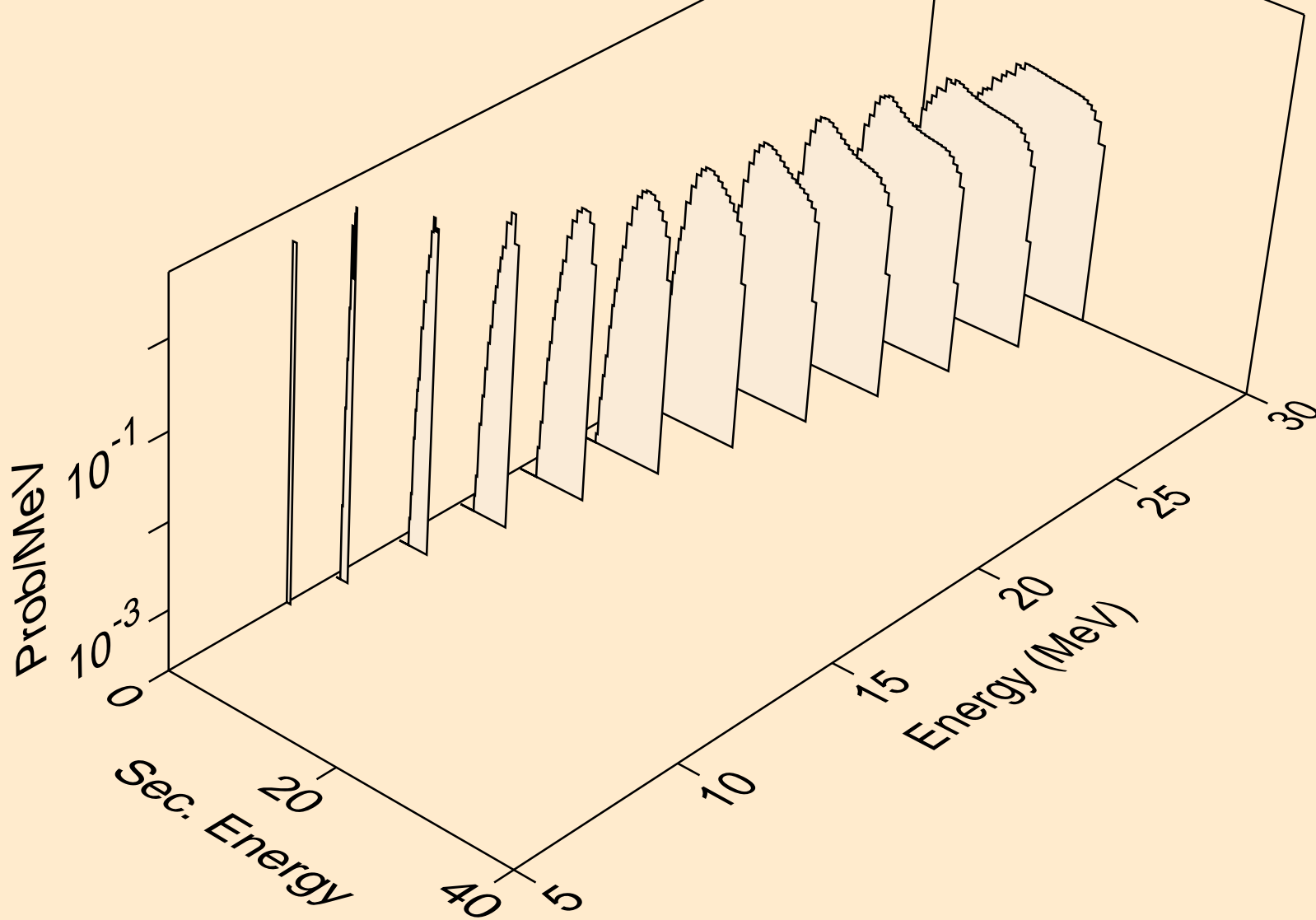




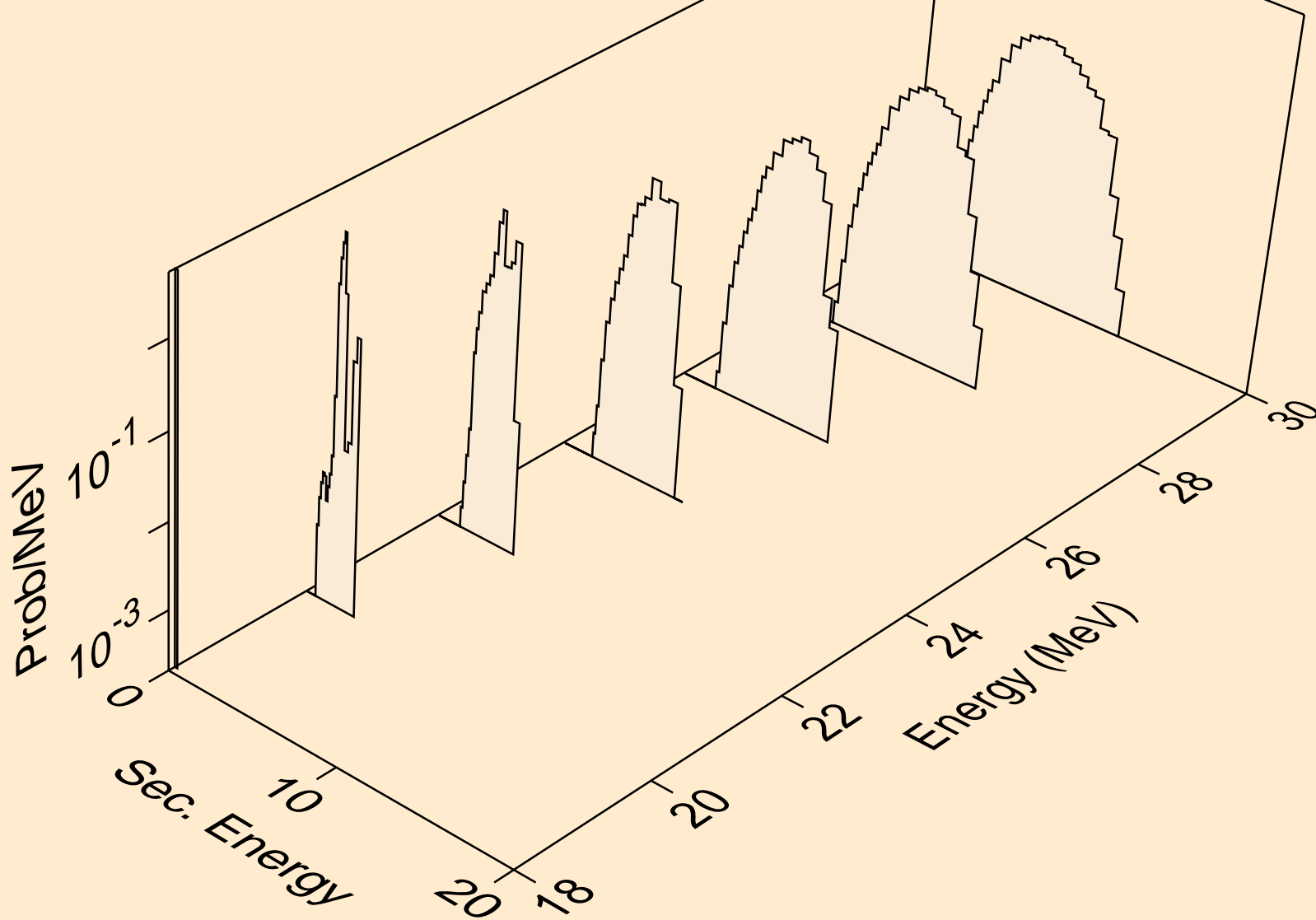
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protons from (n,x)



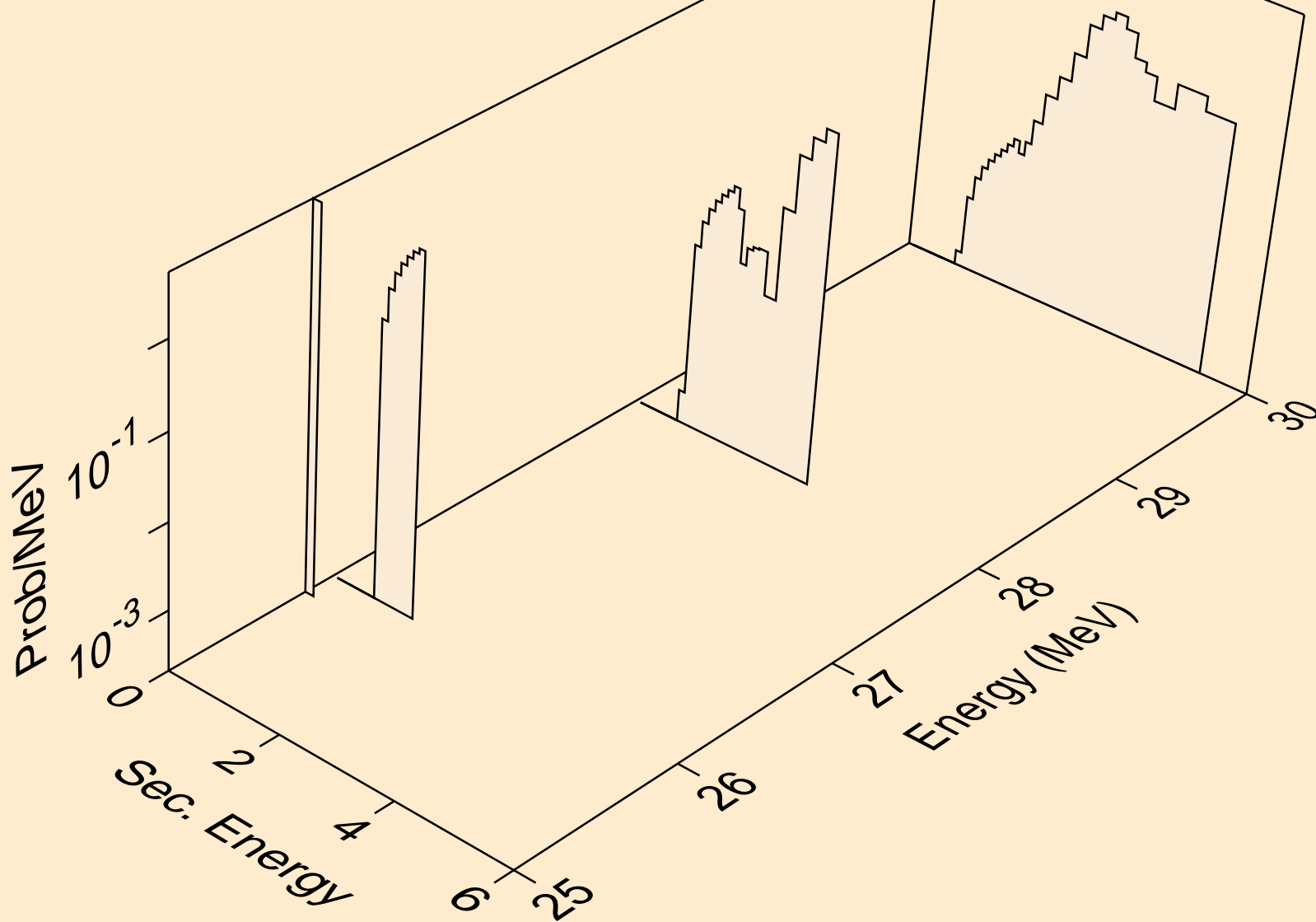
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protons from (n,n\*)p



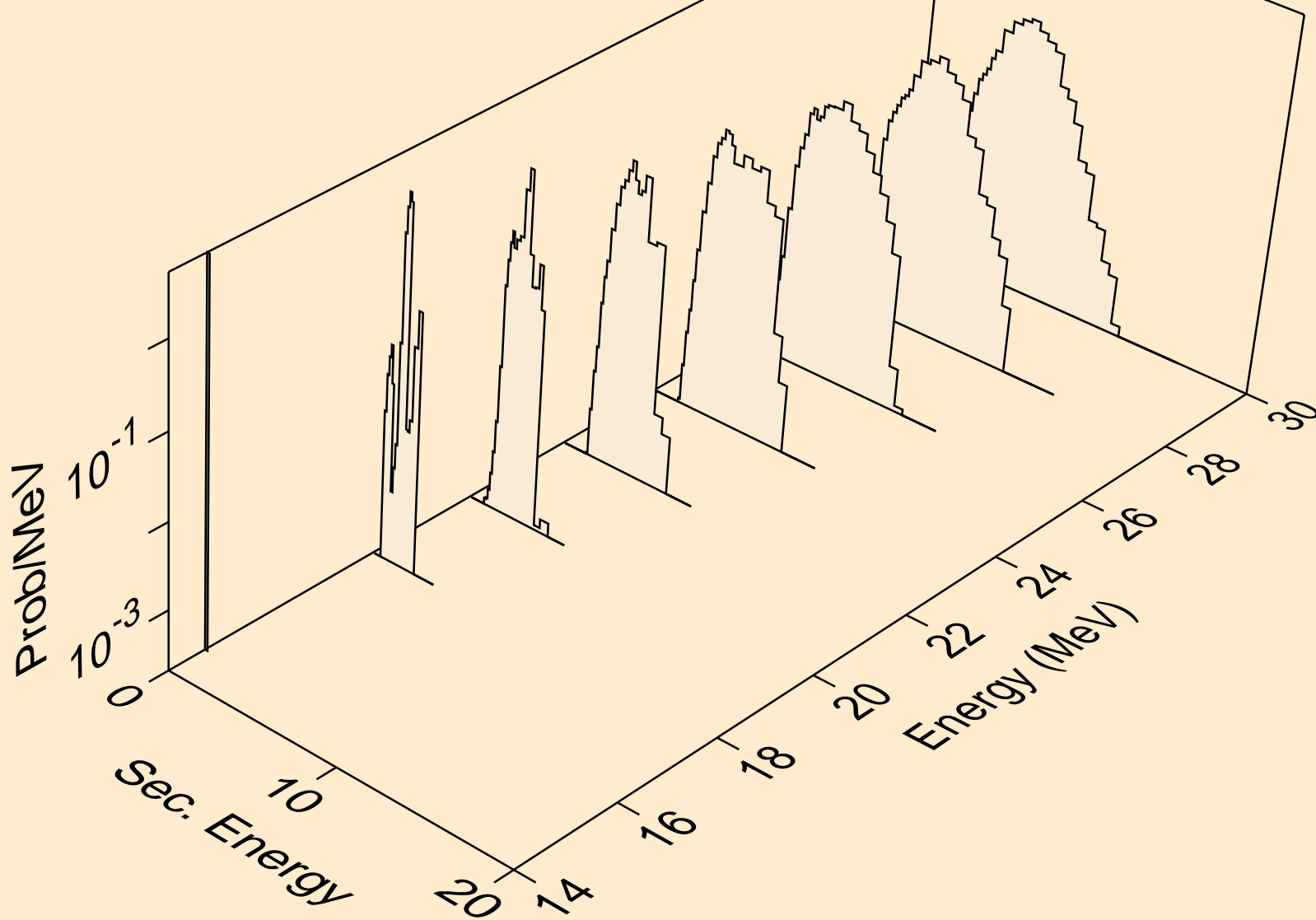
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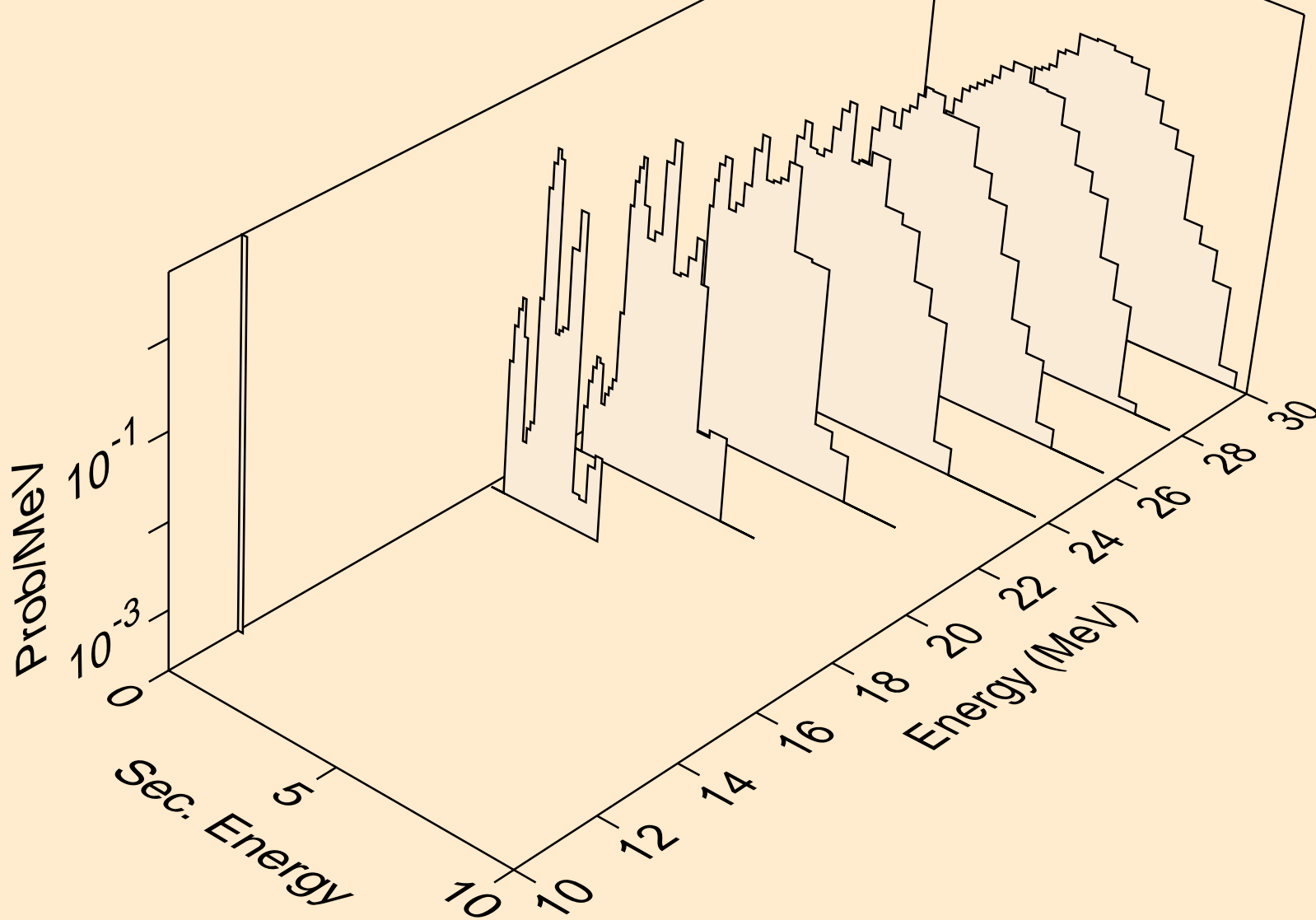
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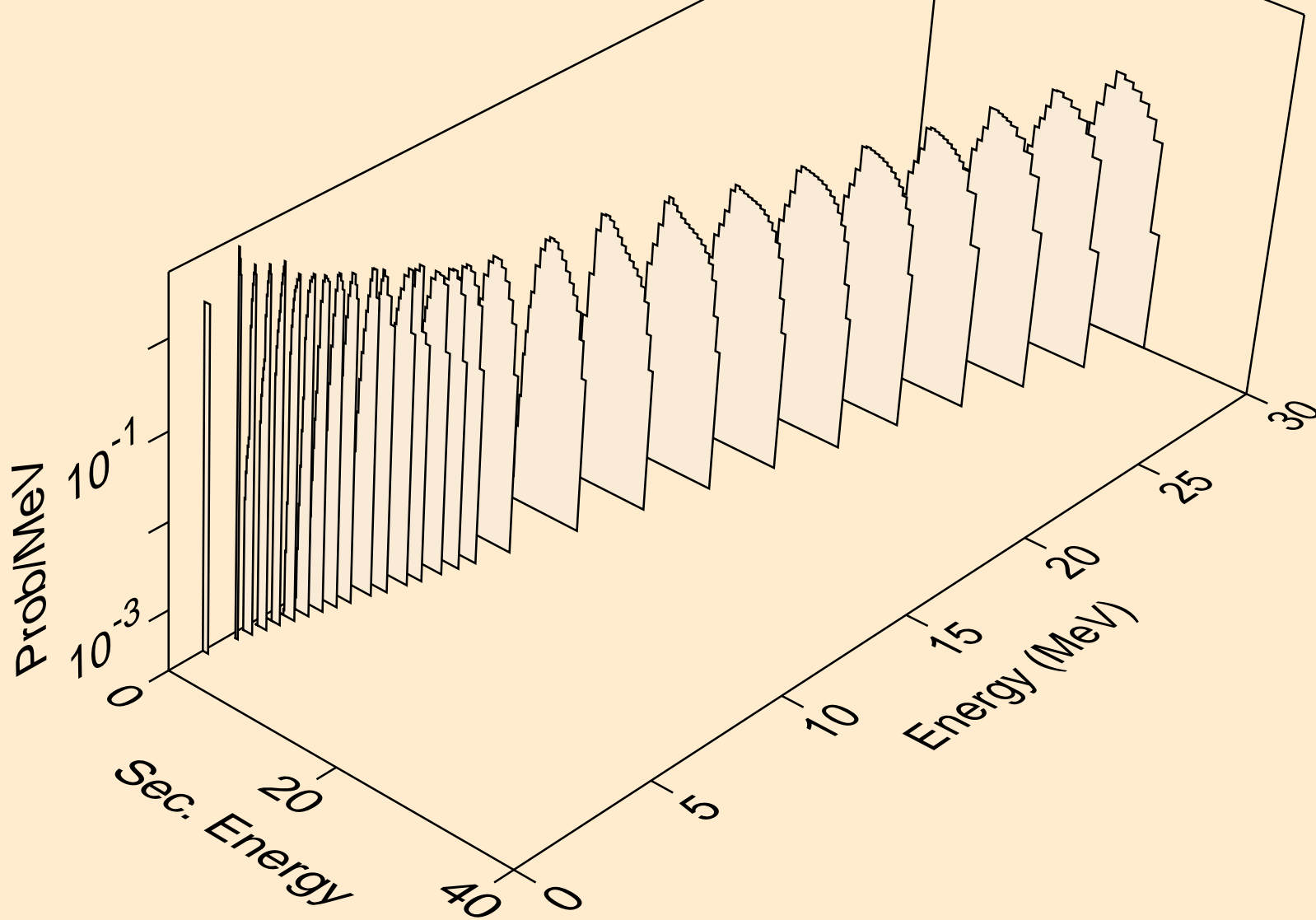
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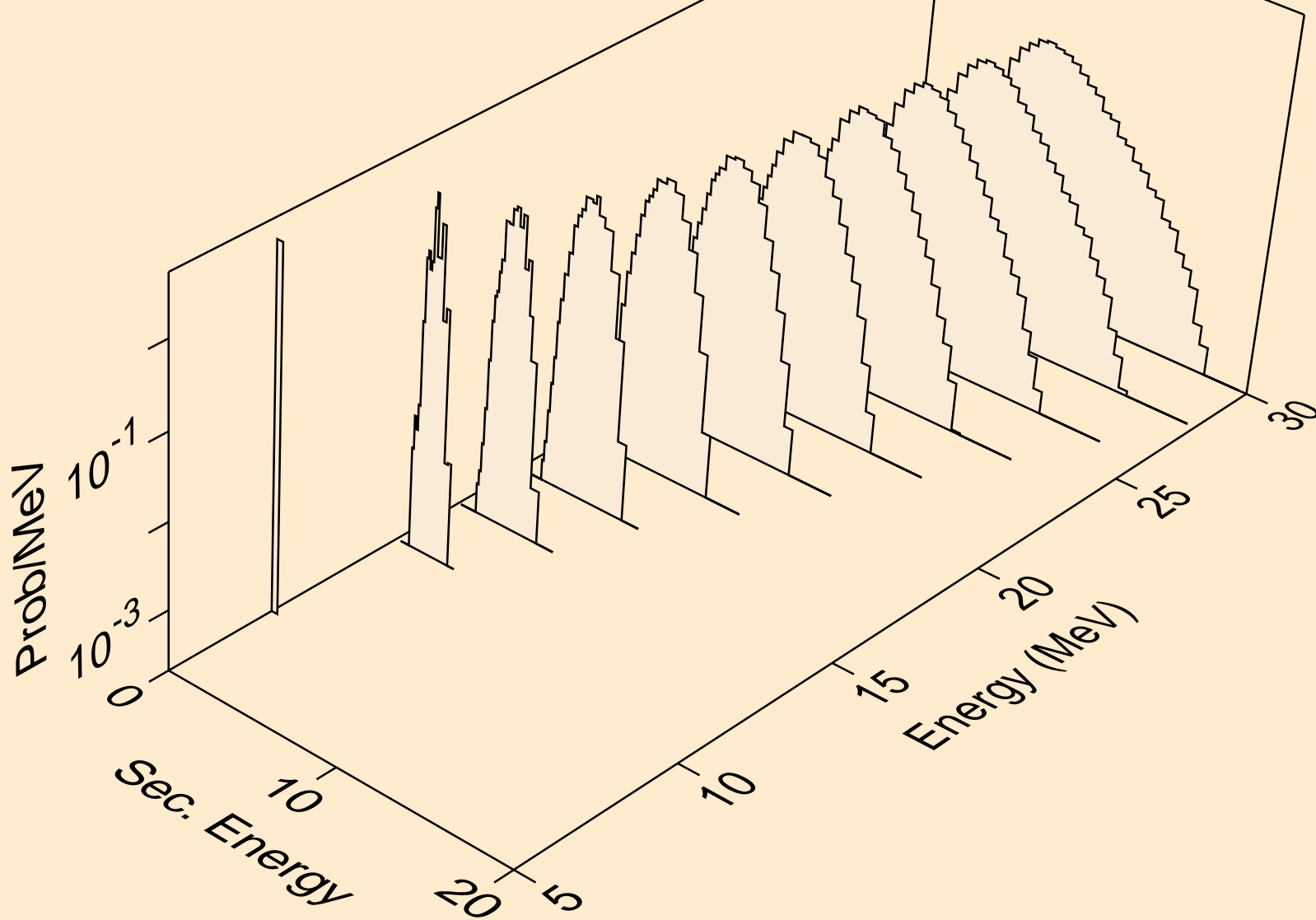
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protons from (n,npa)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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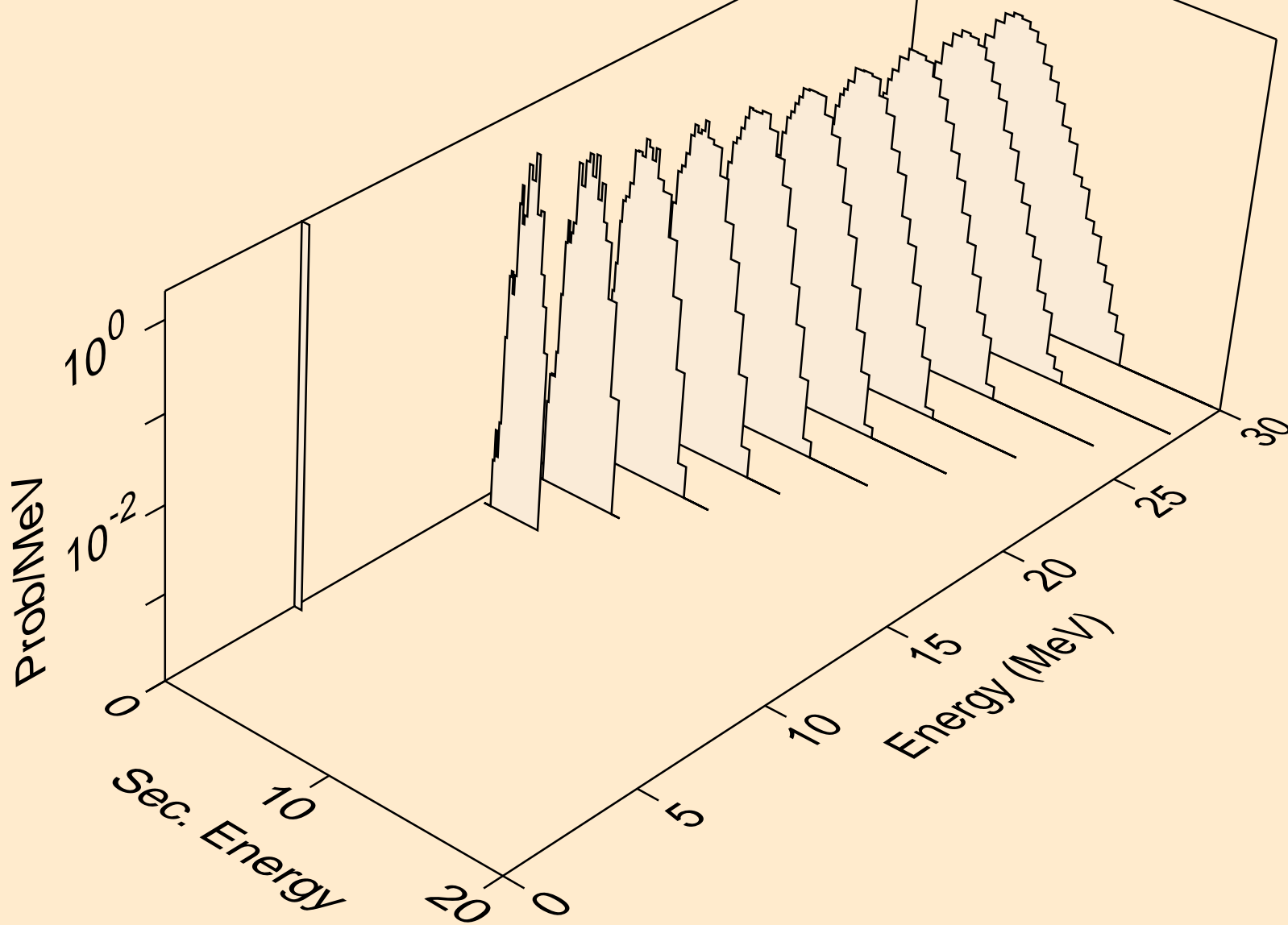


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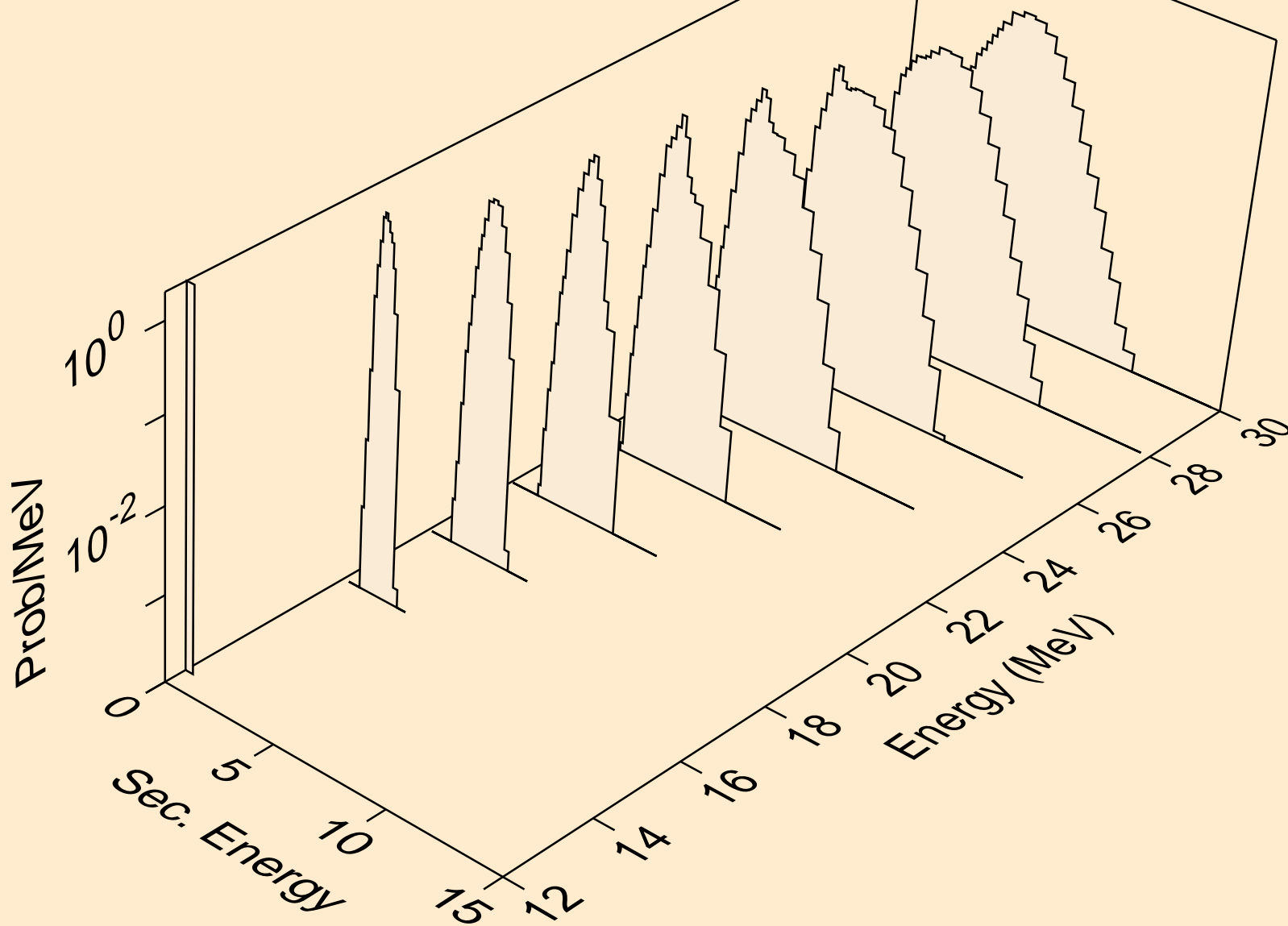




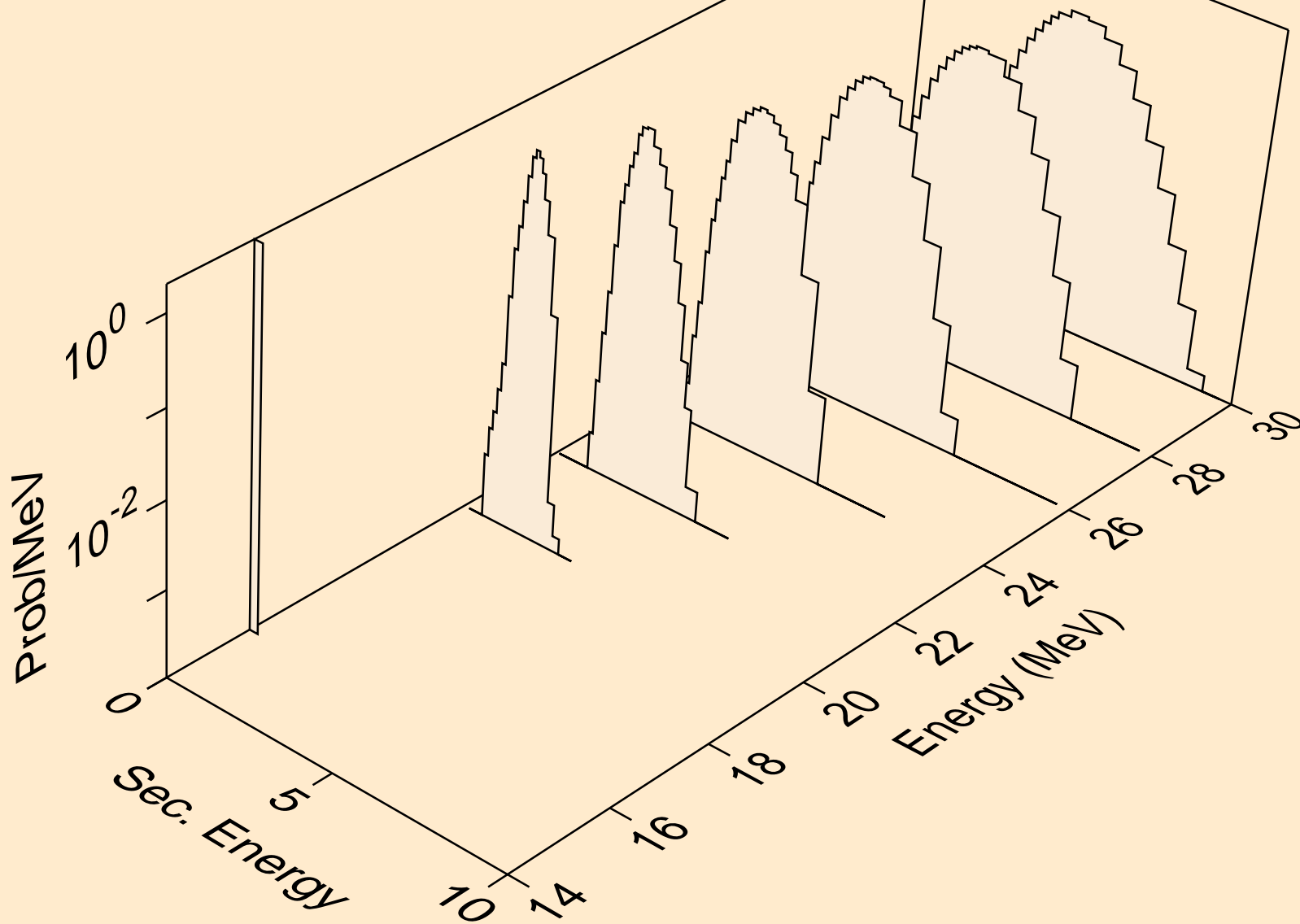
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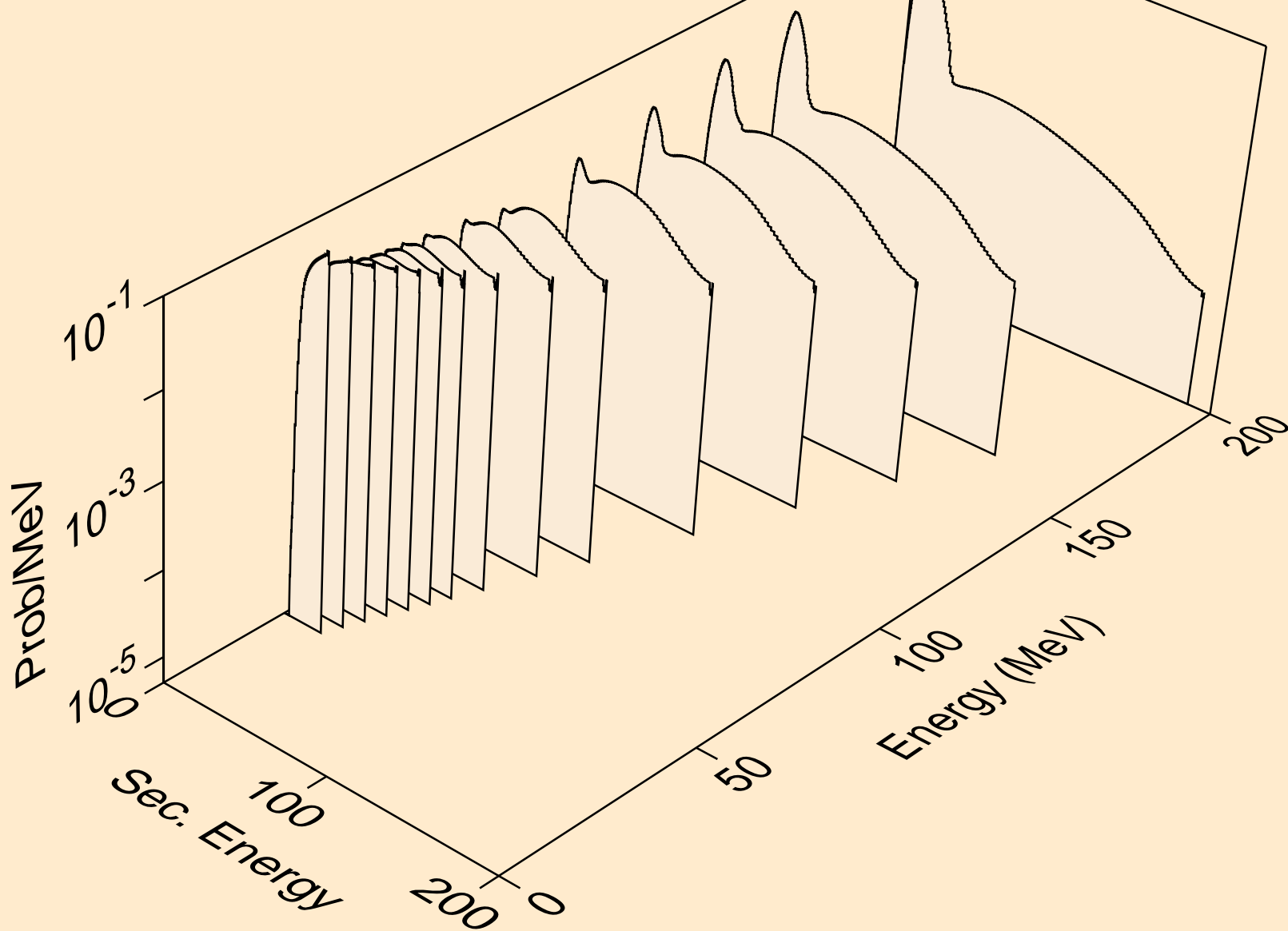
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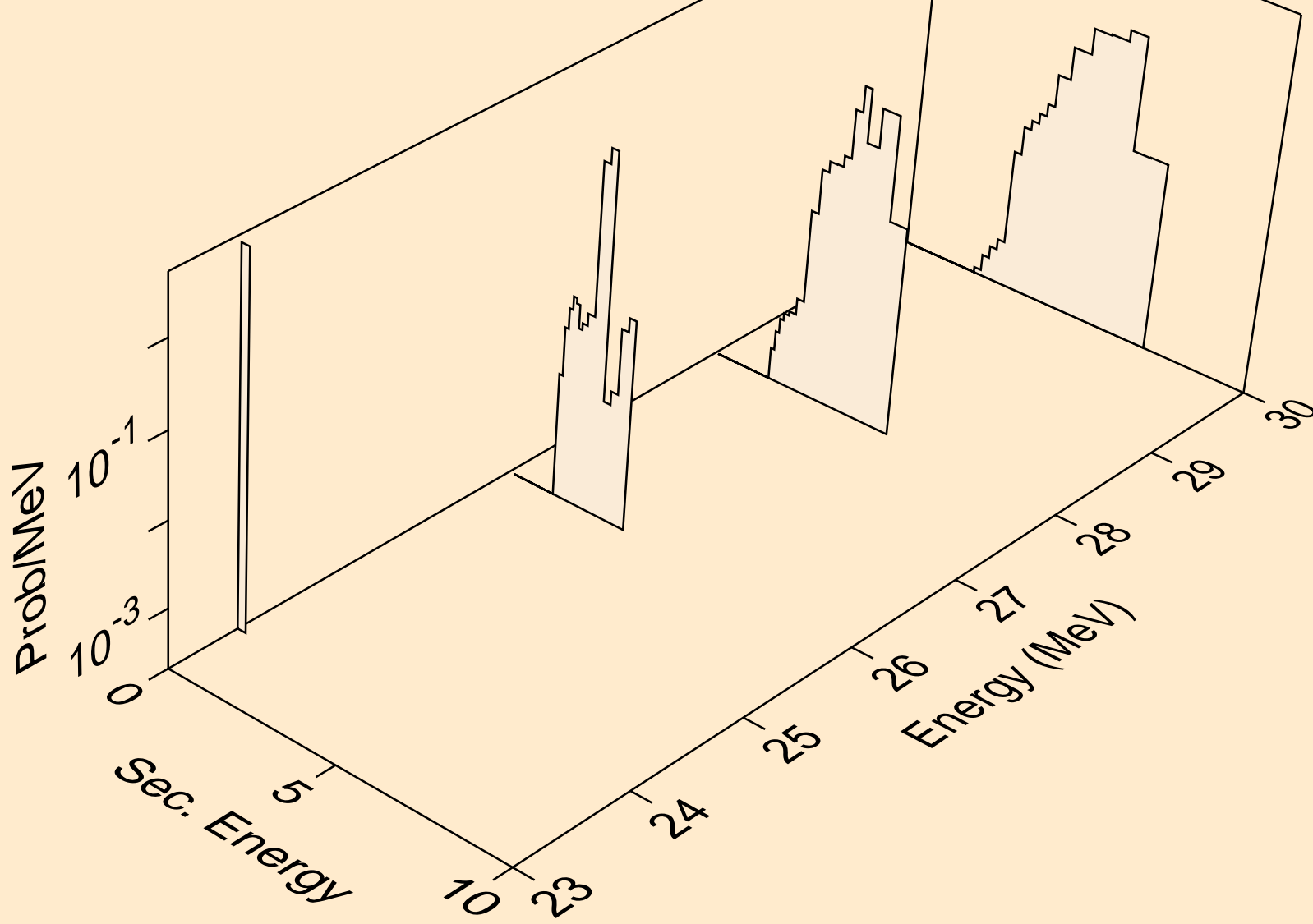
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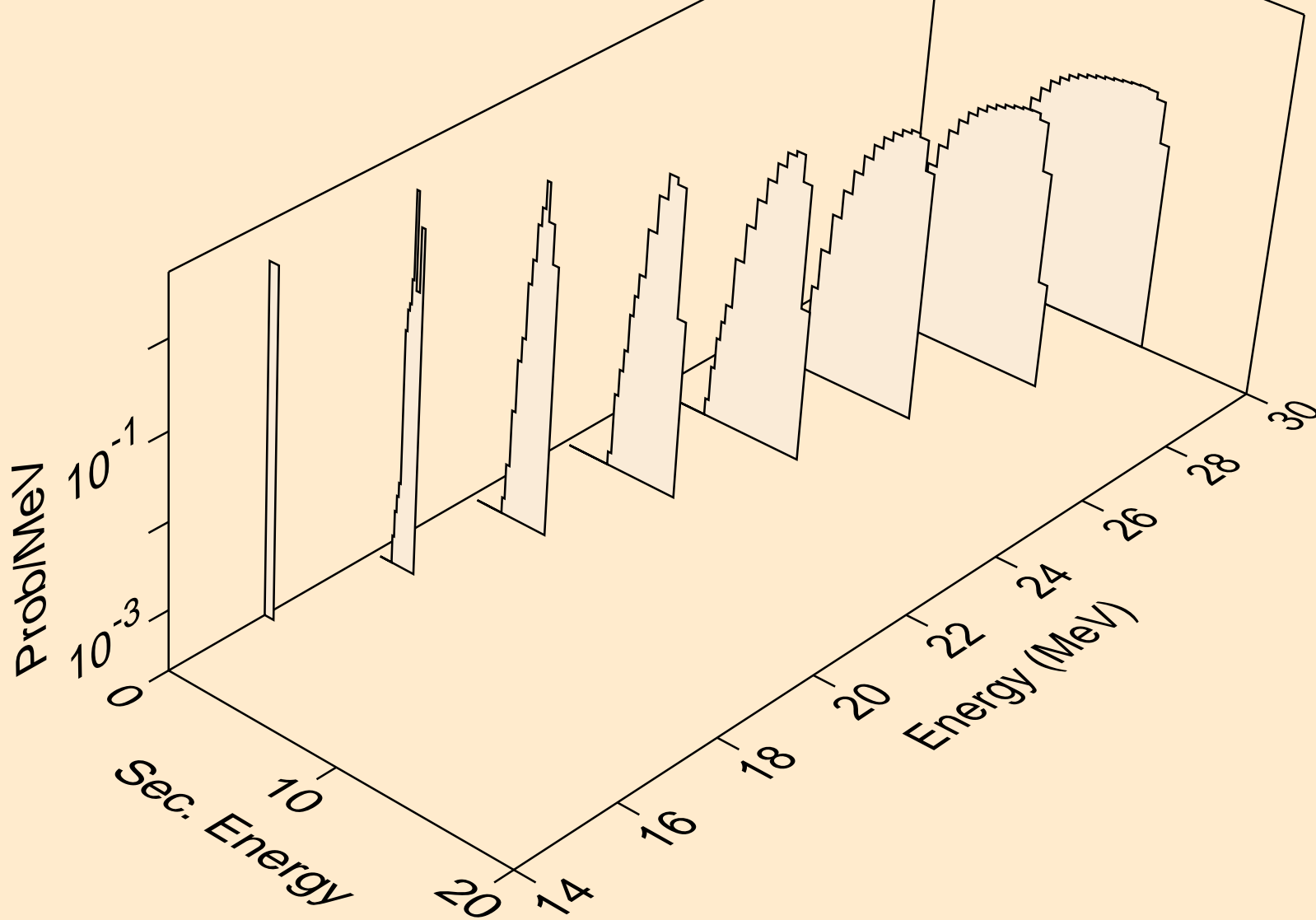
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deuterons from (n,x)



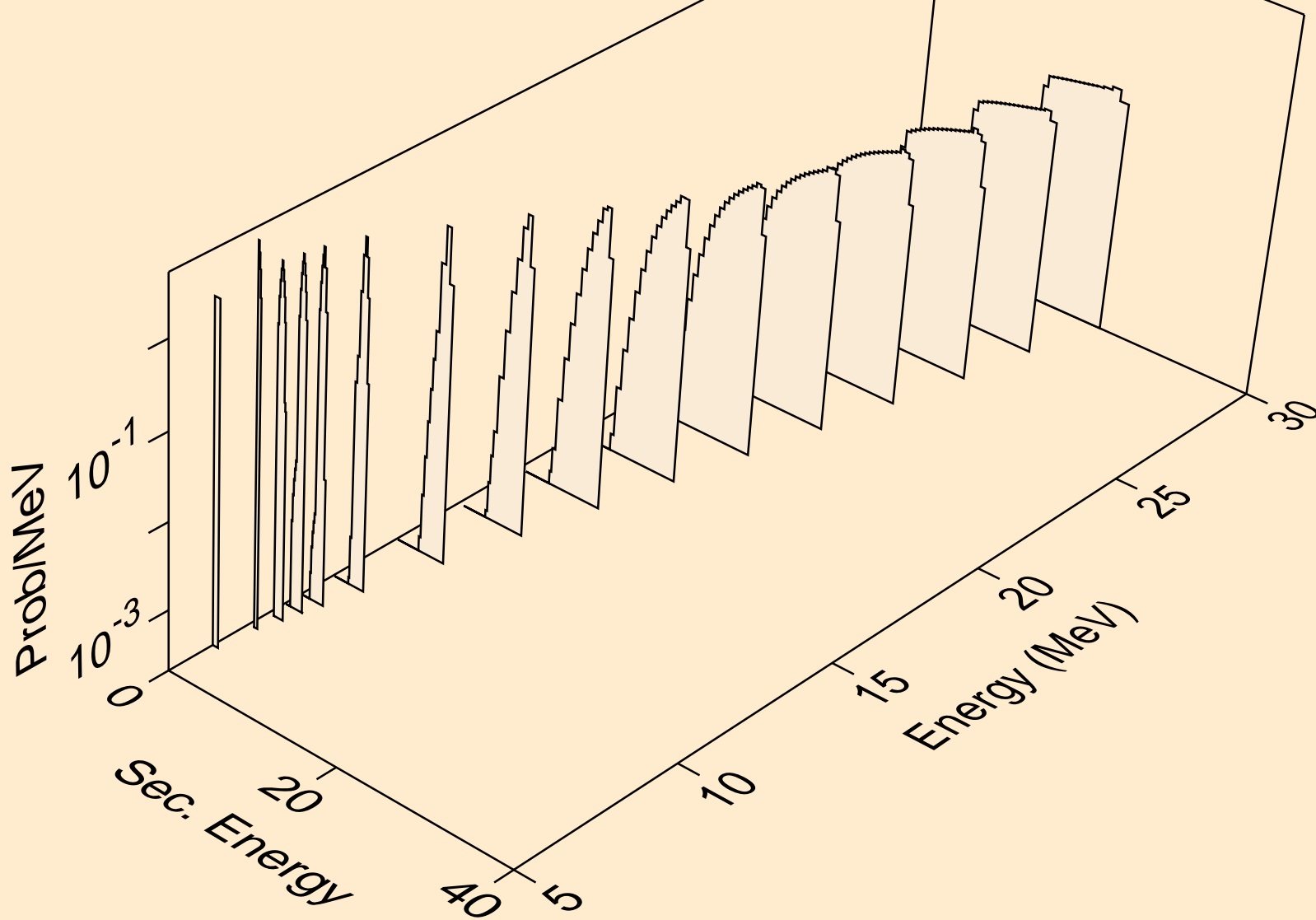
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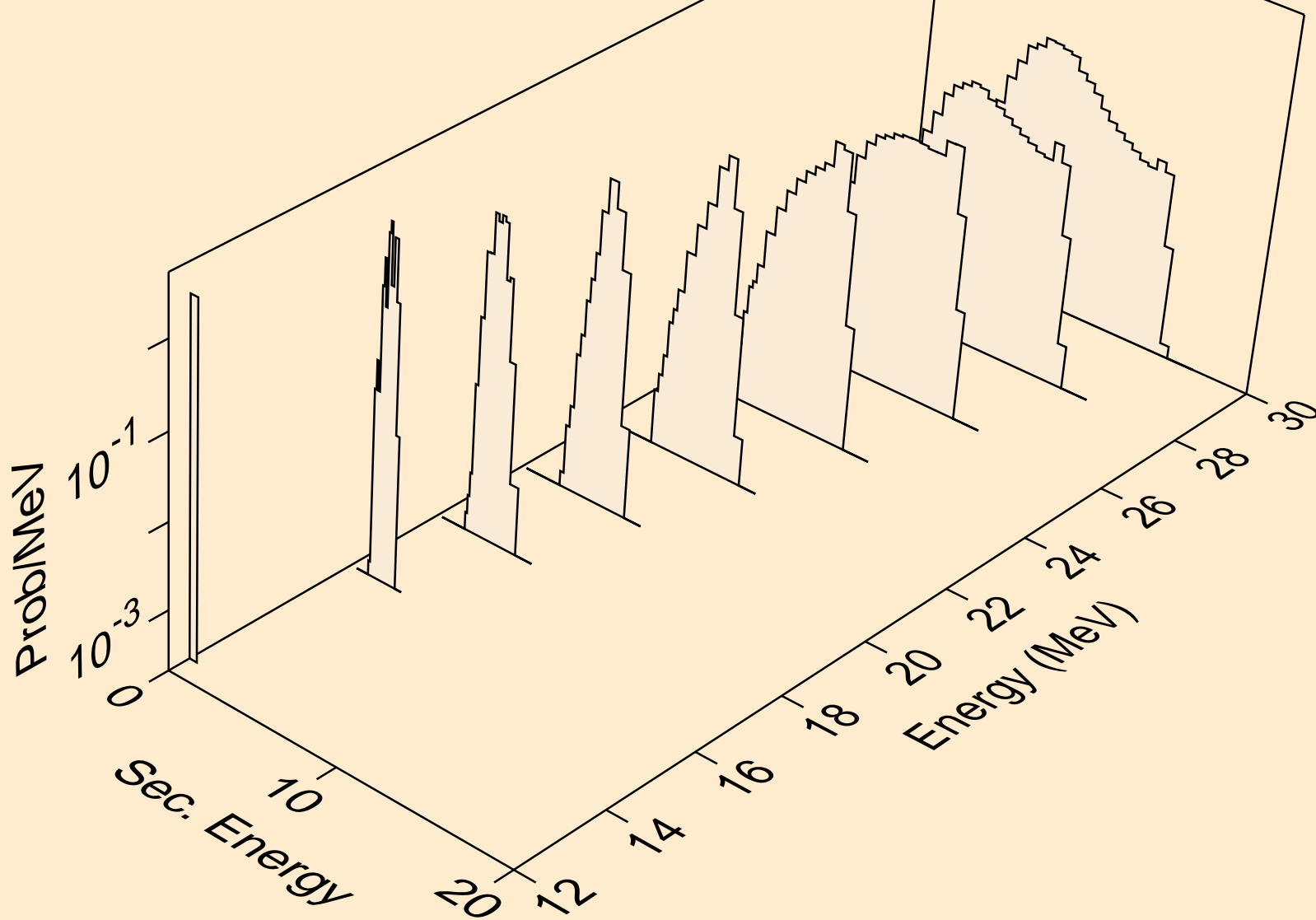
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deuterons from (n,n\*)d



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

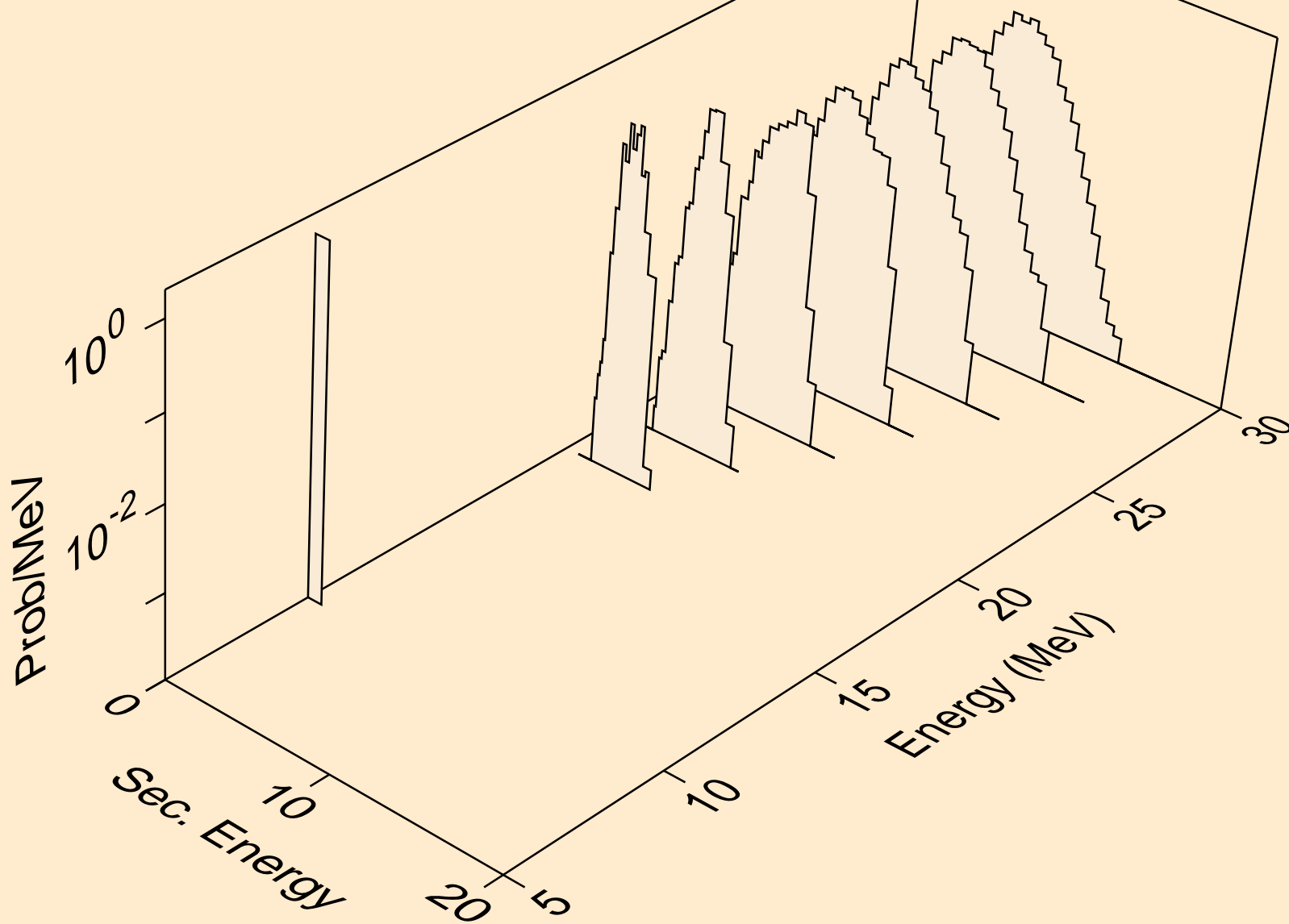


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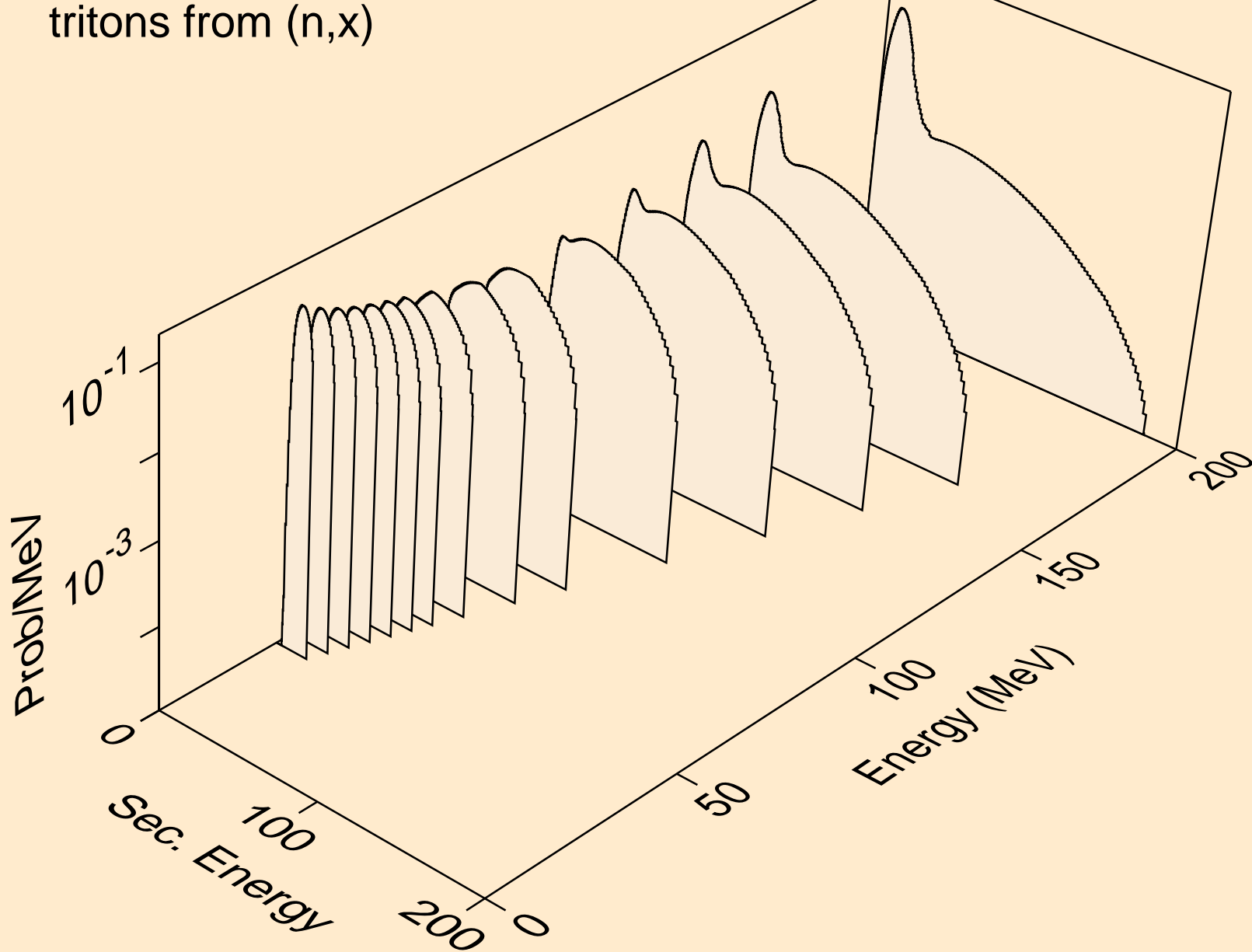




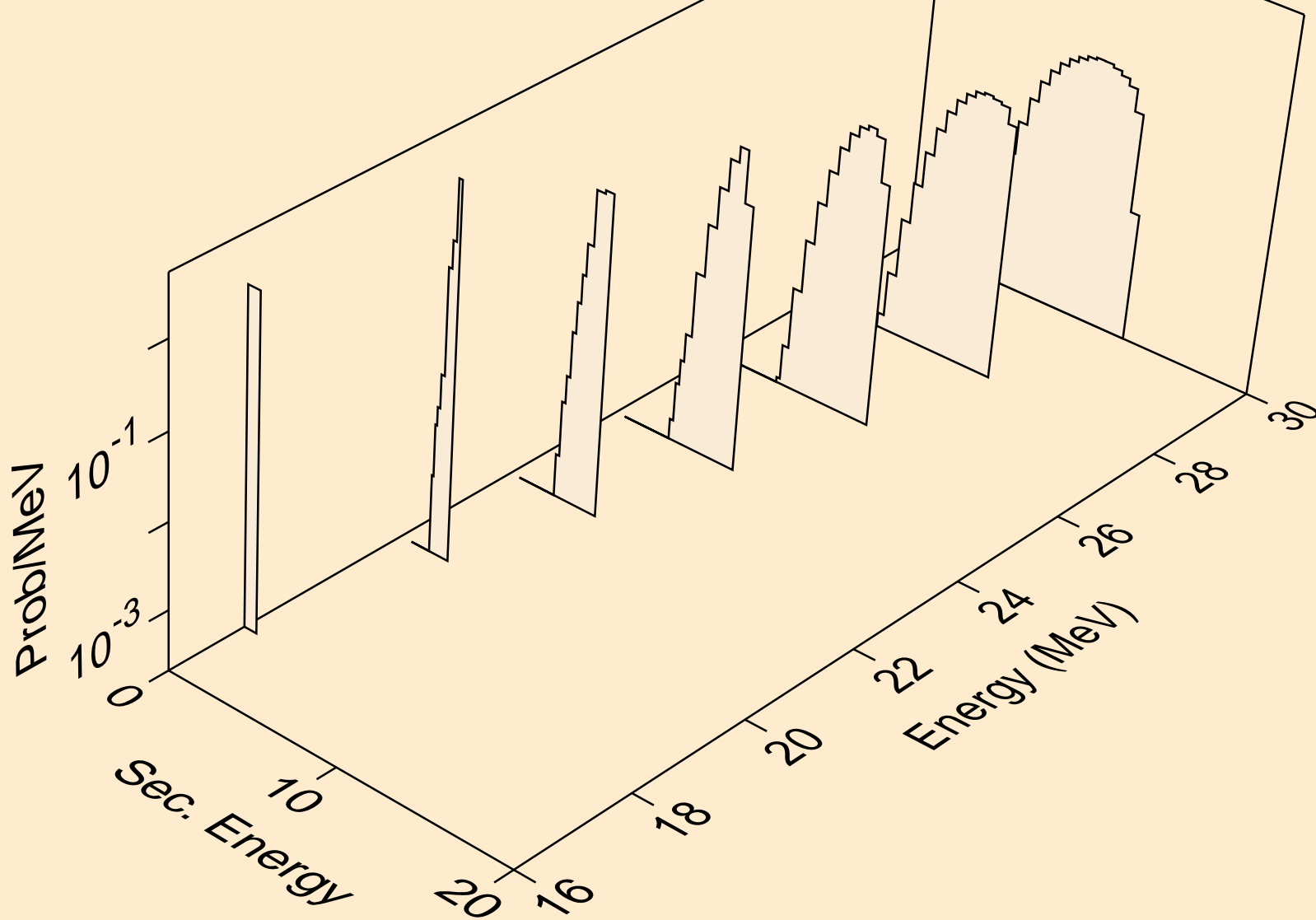
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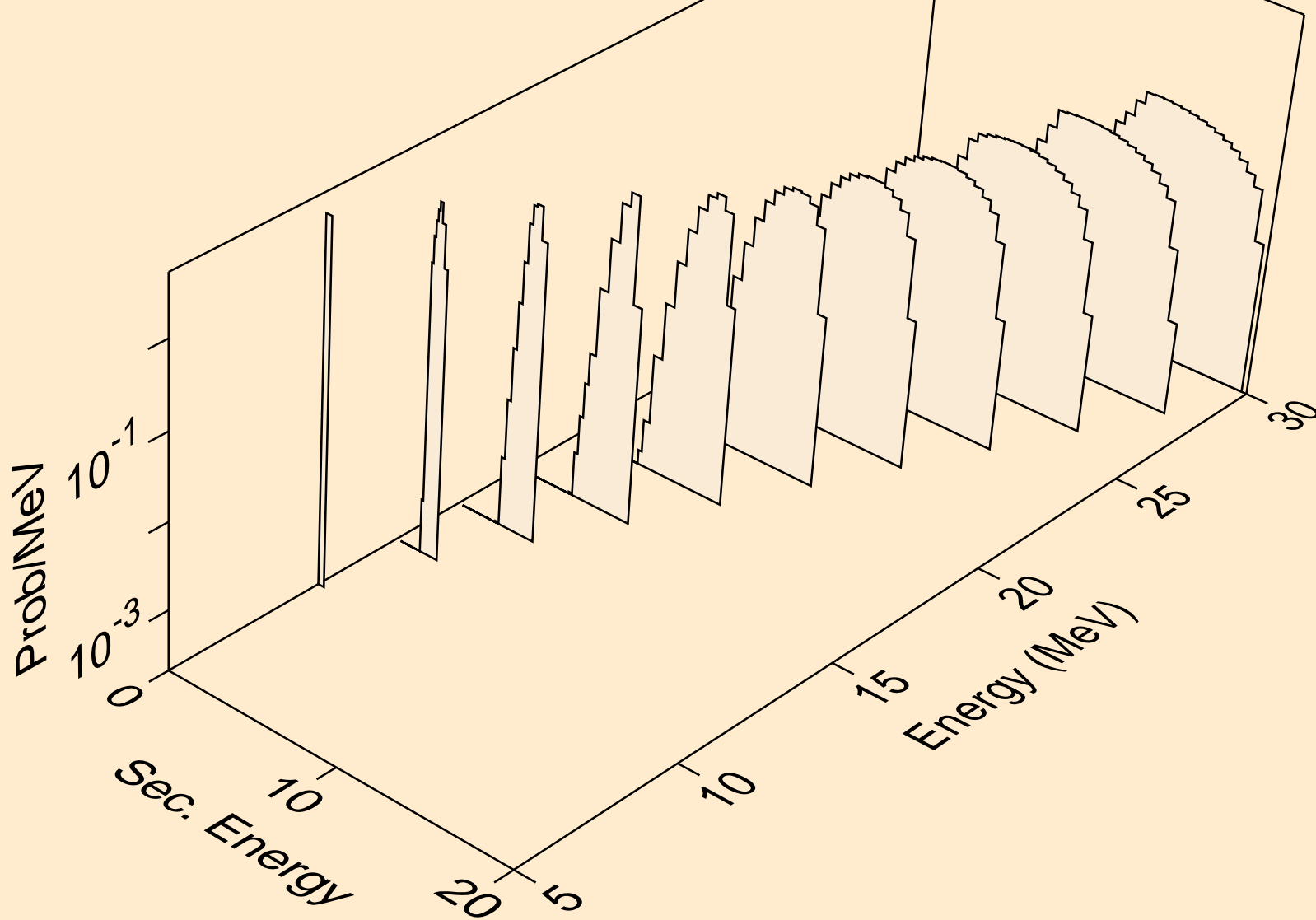
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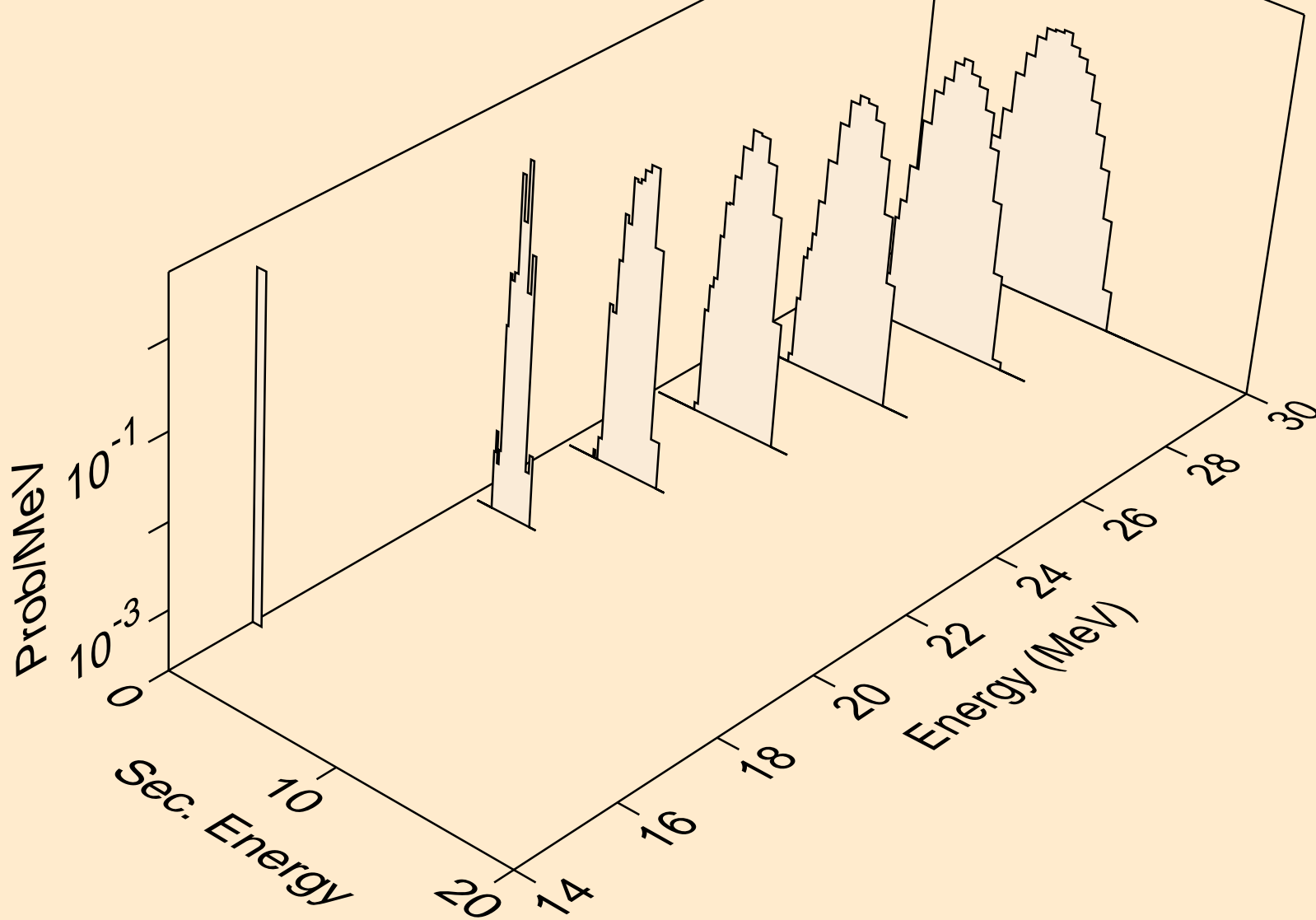
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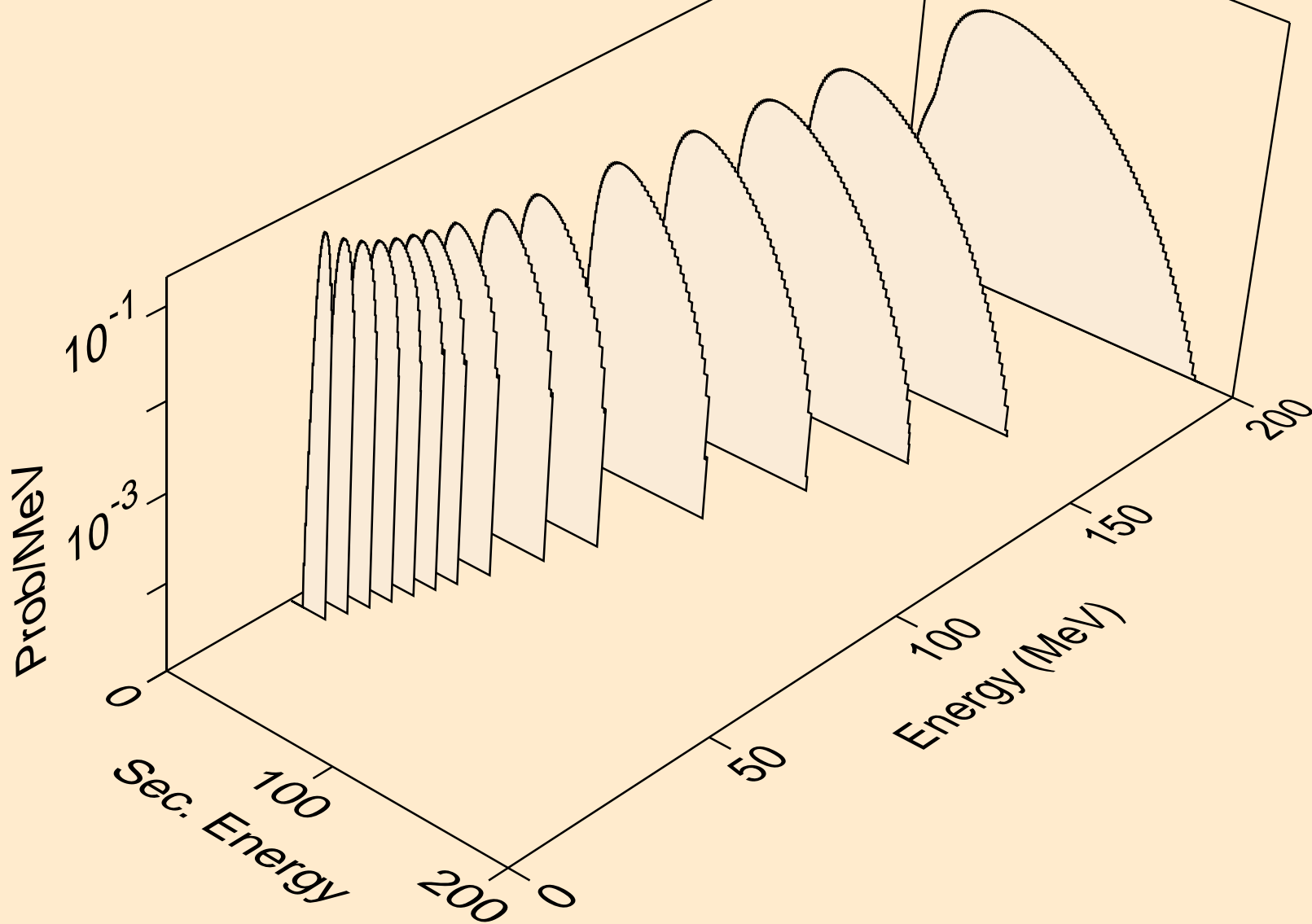
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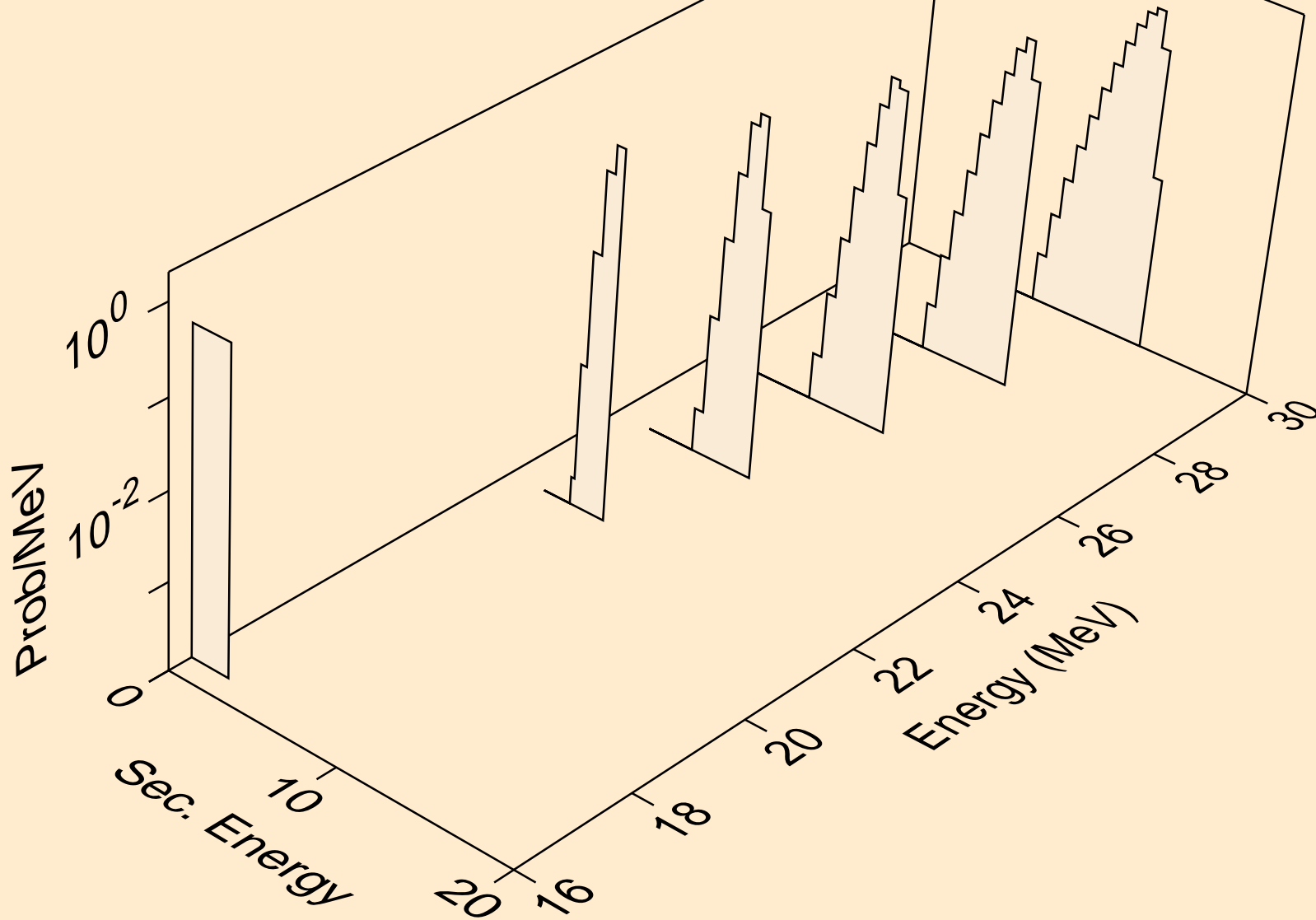
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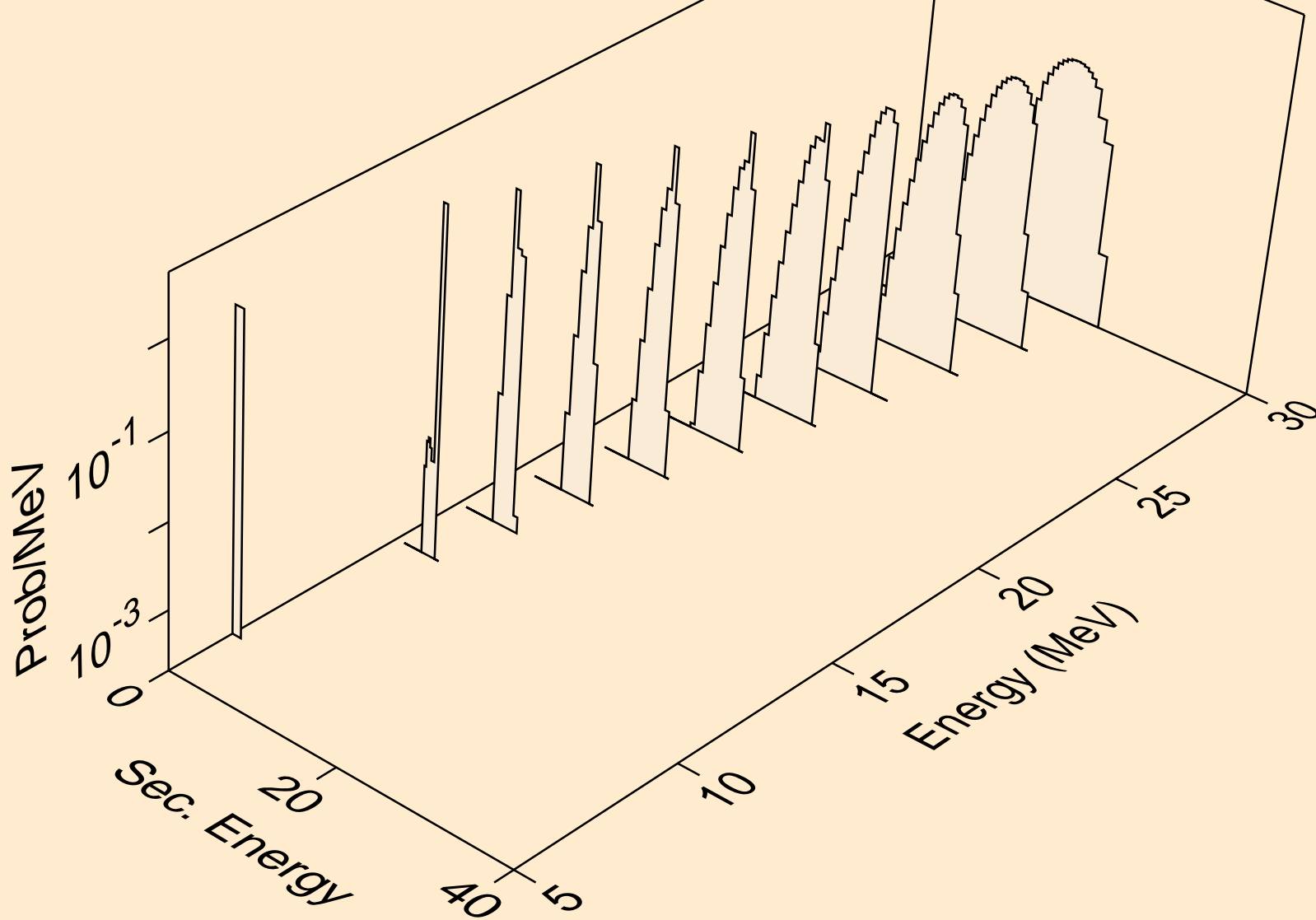
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

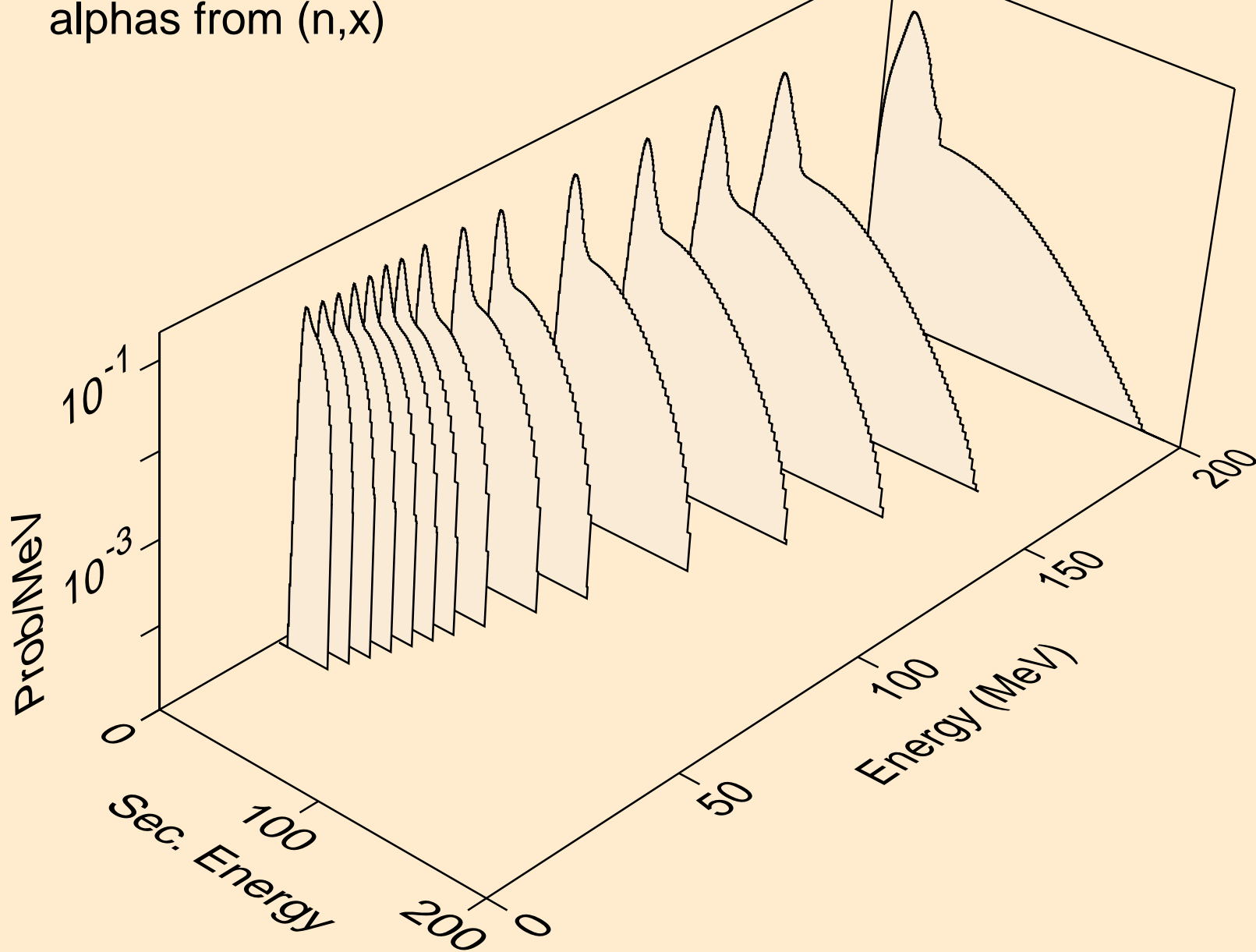


SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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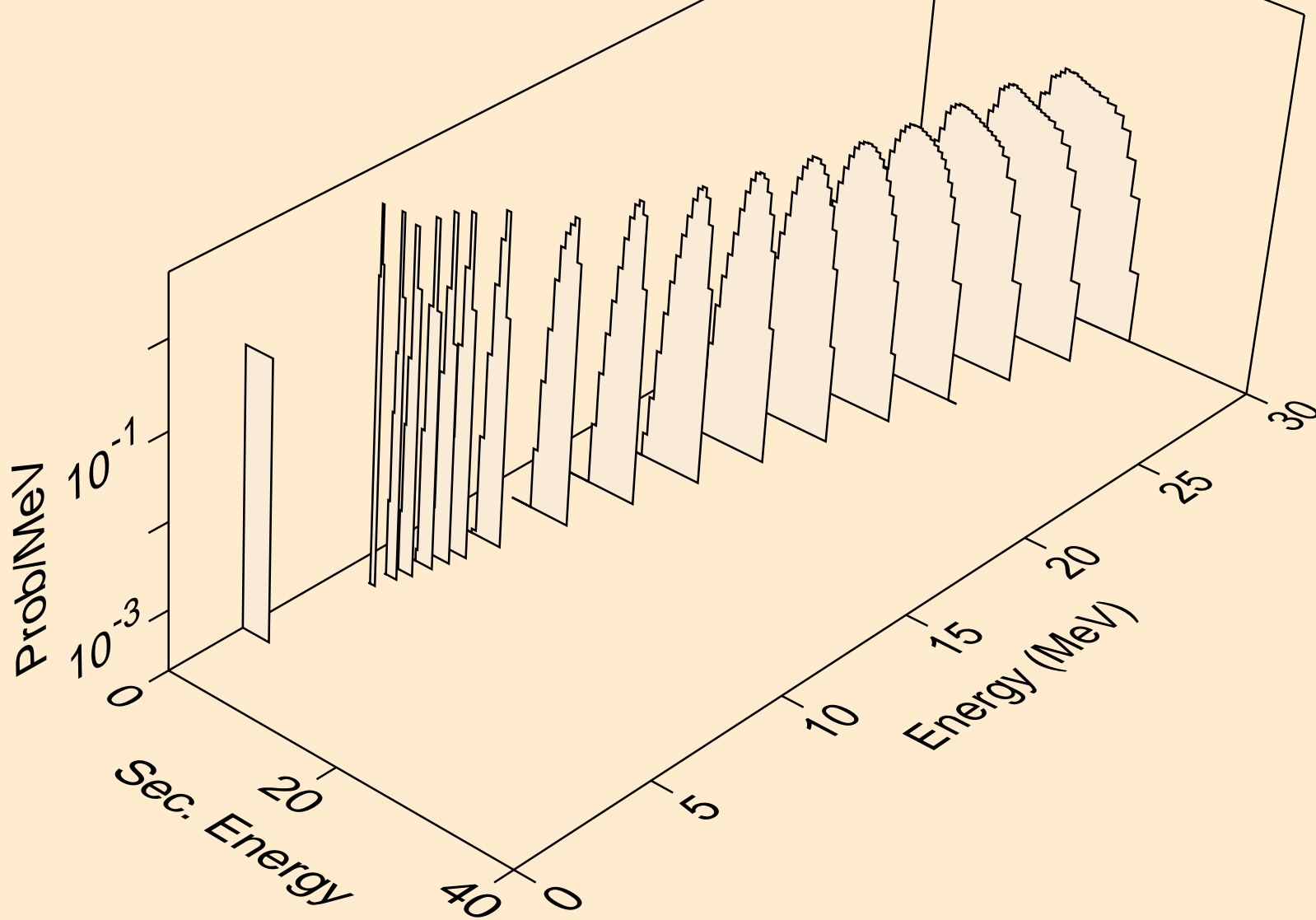




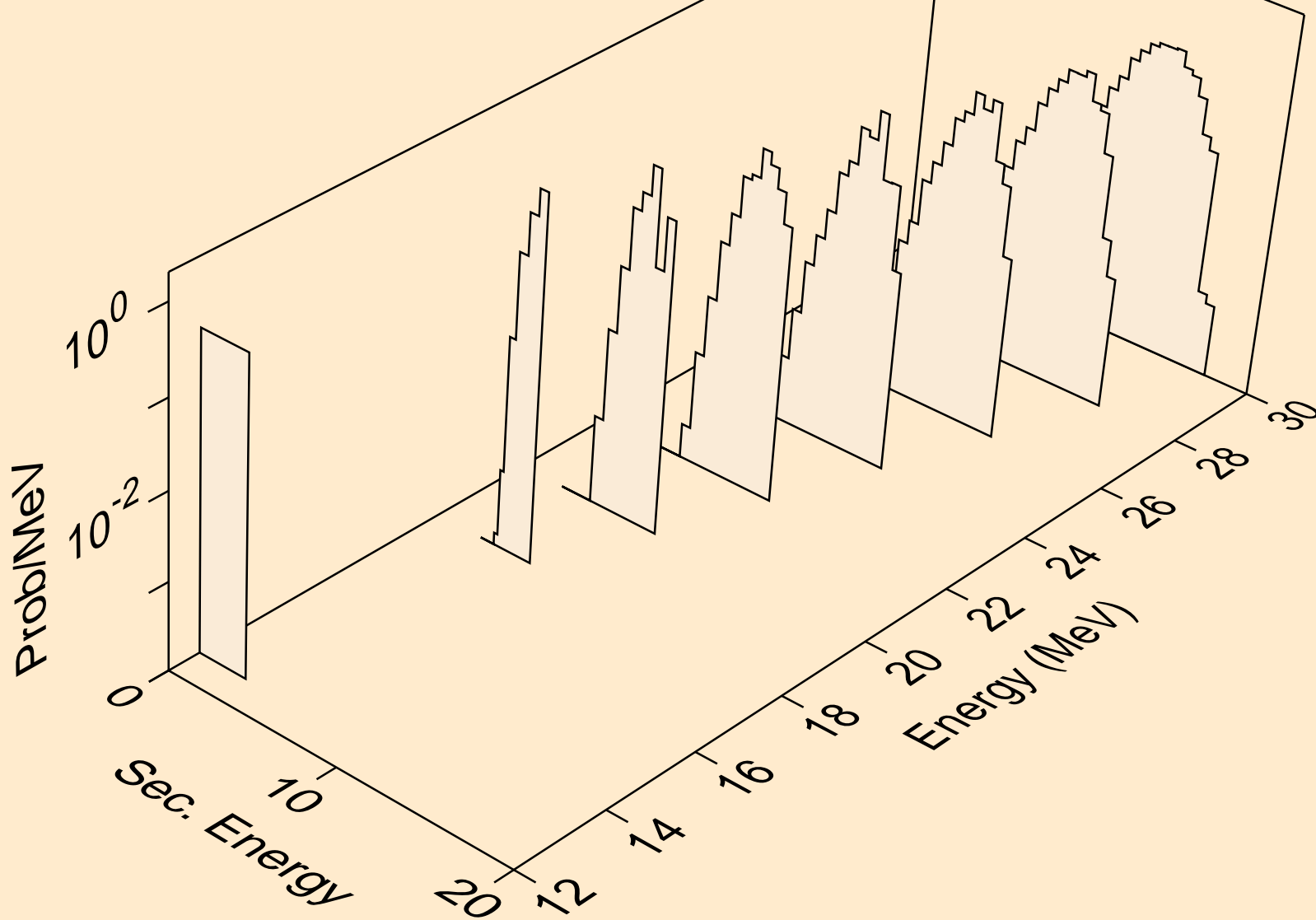
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



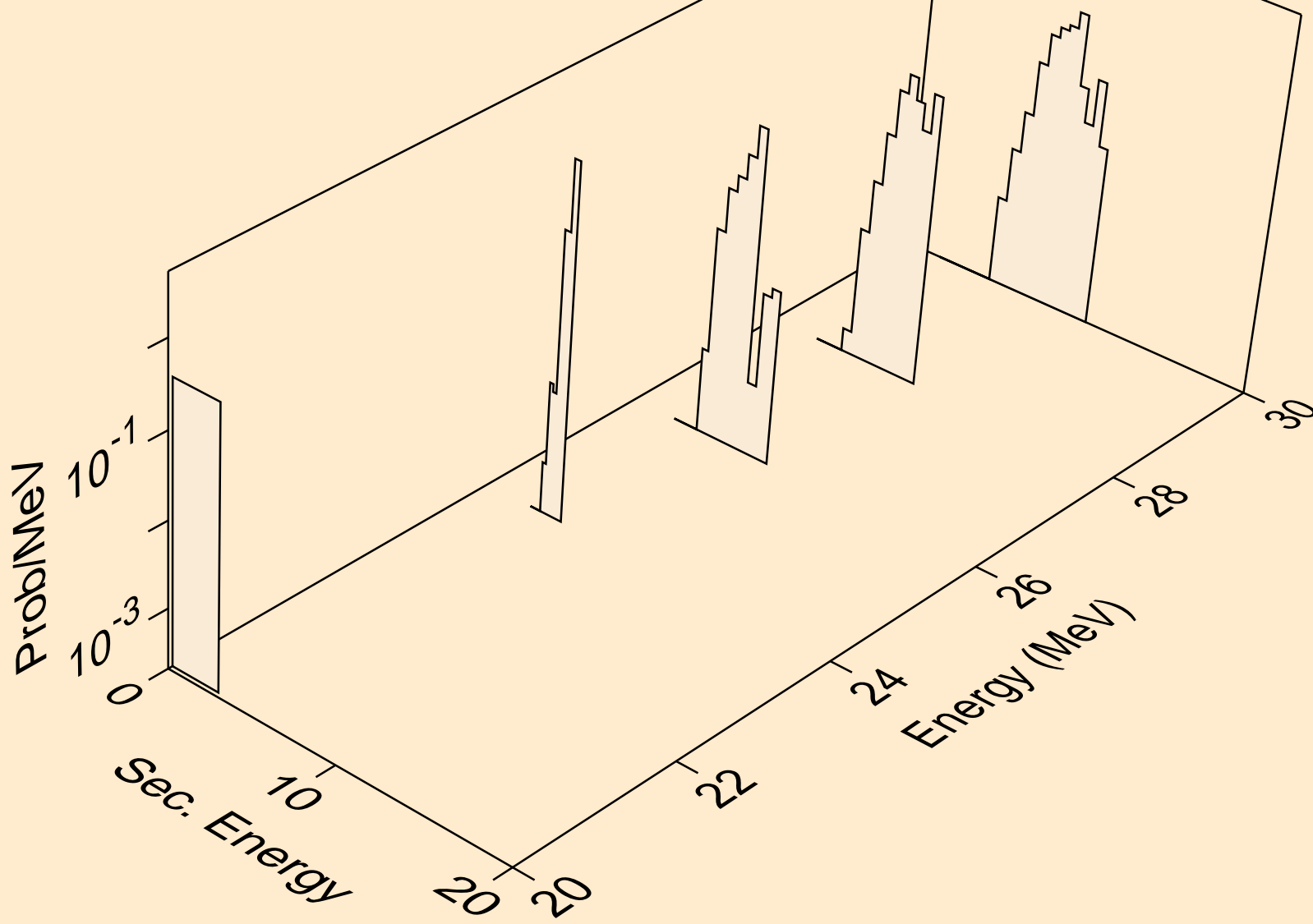
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



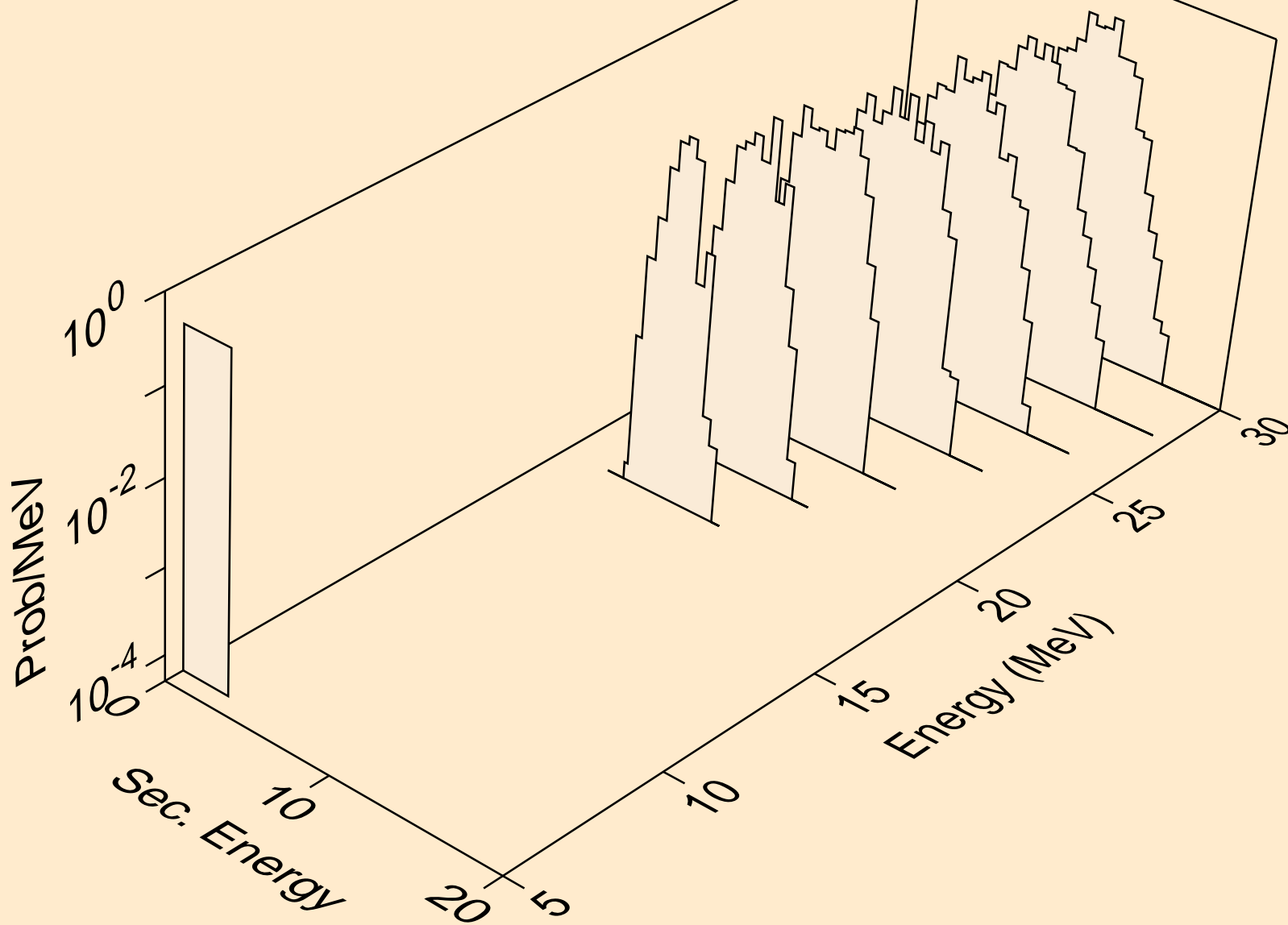
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



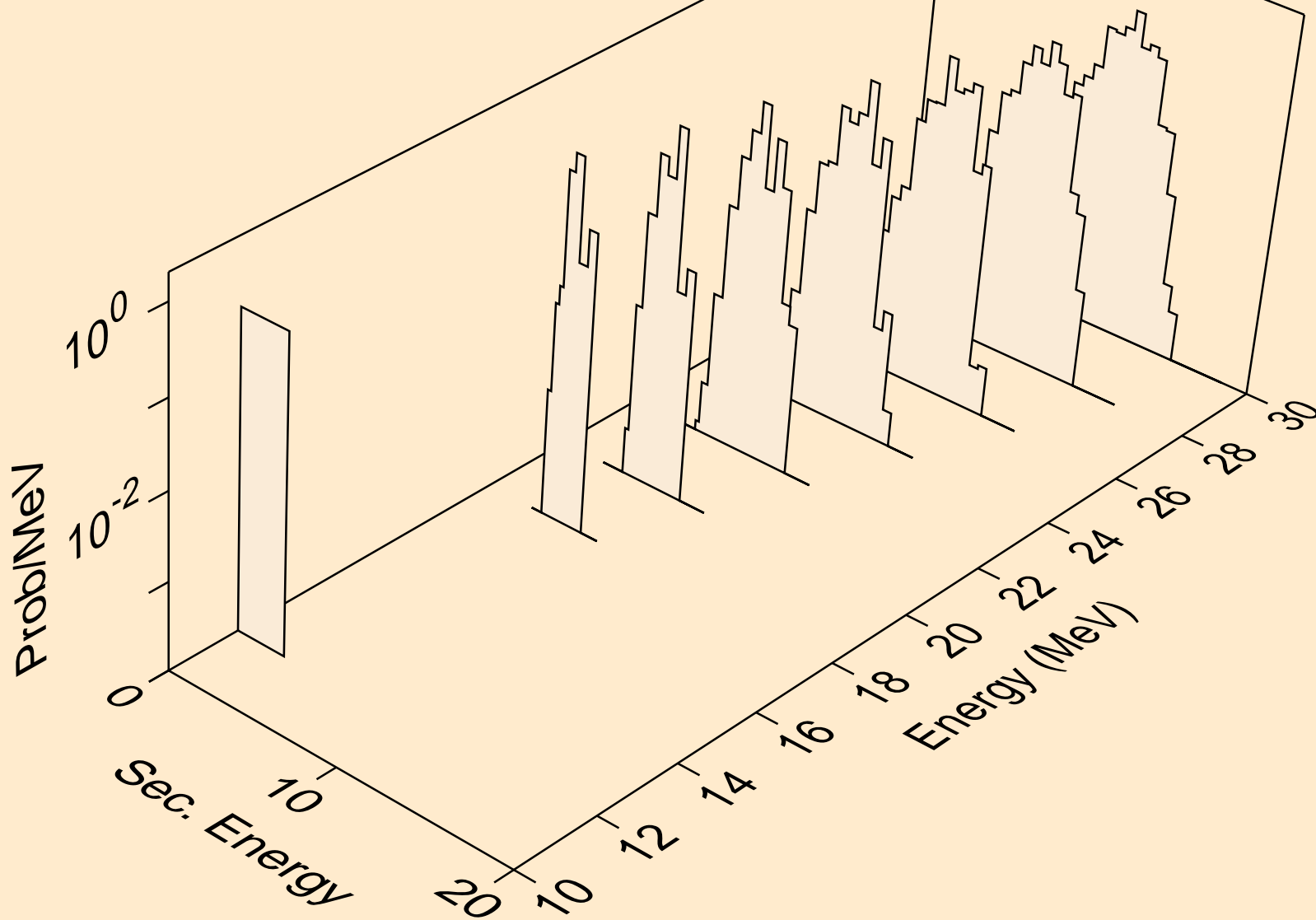
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alphas from (n,3n)a



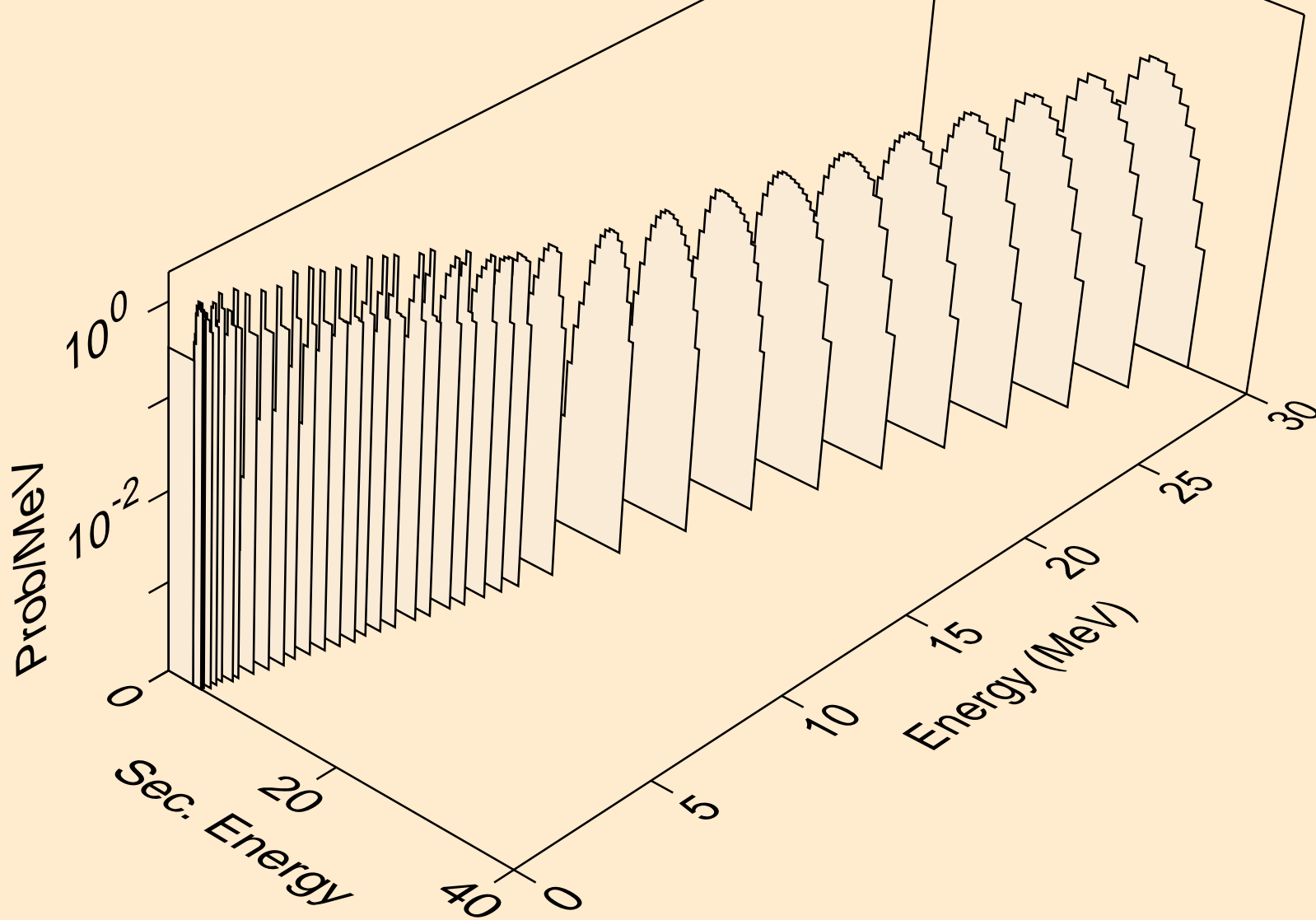
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



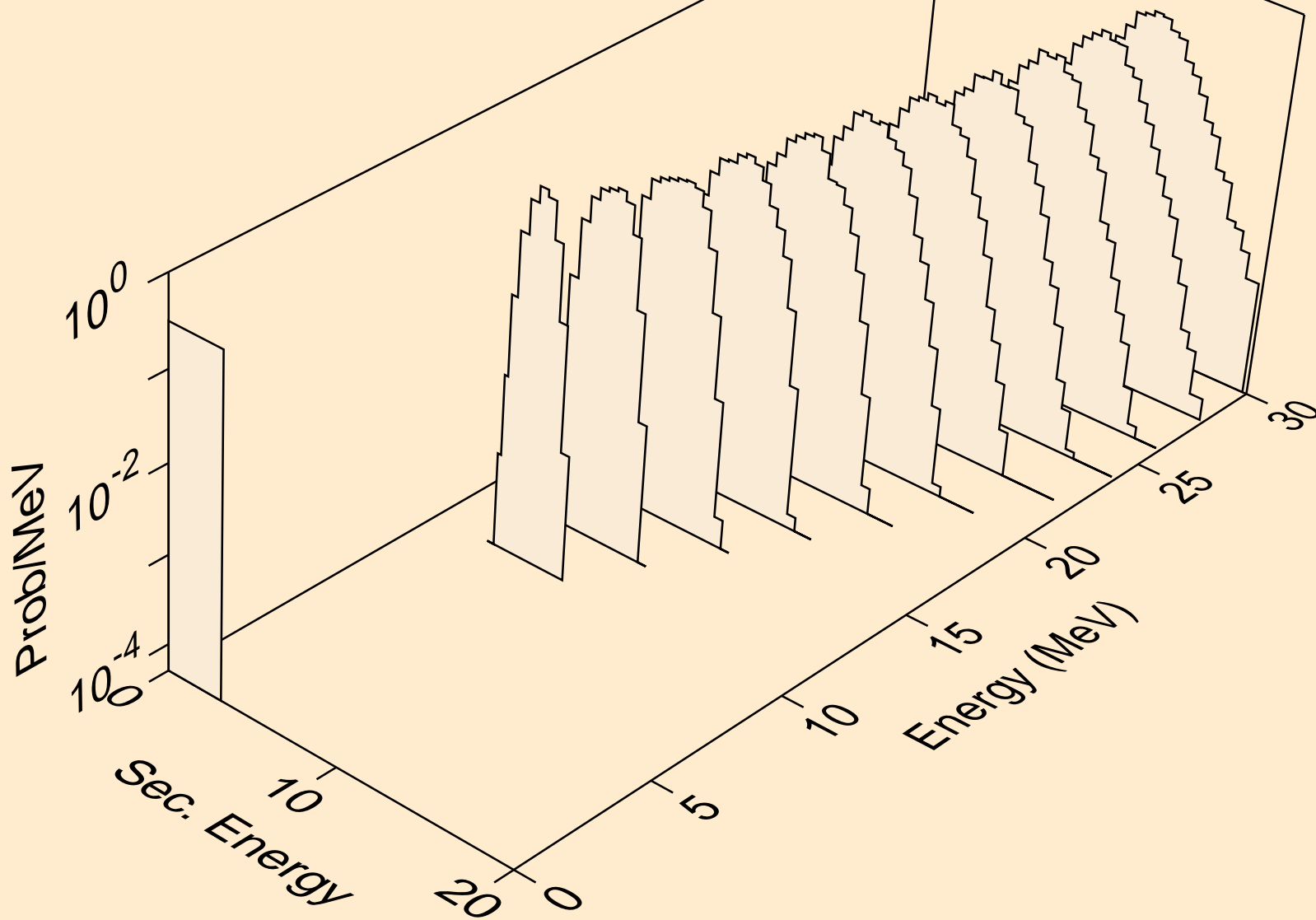
SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

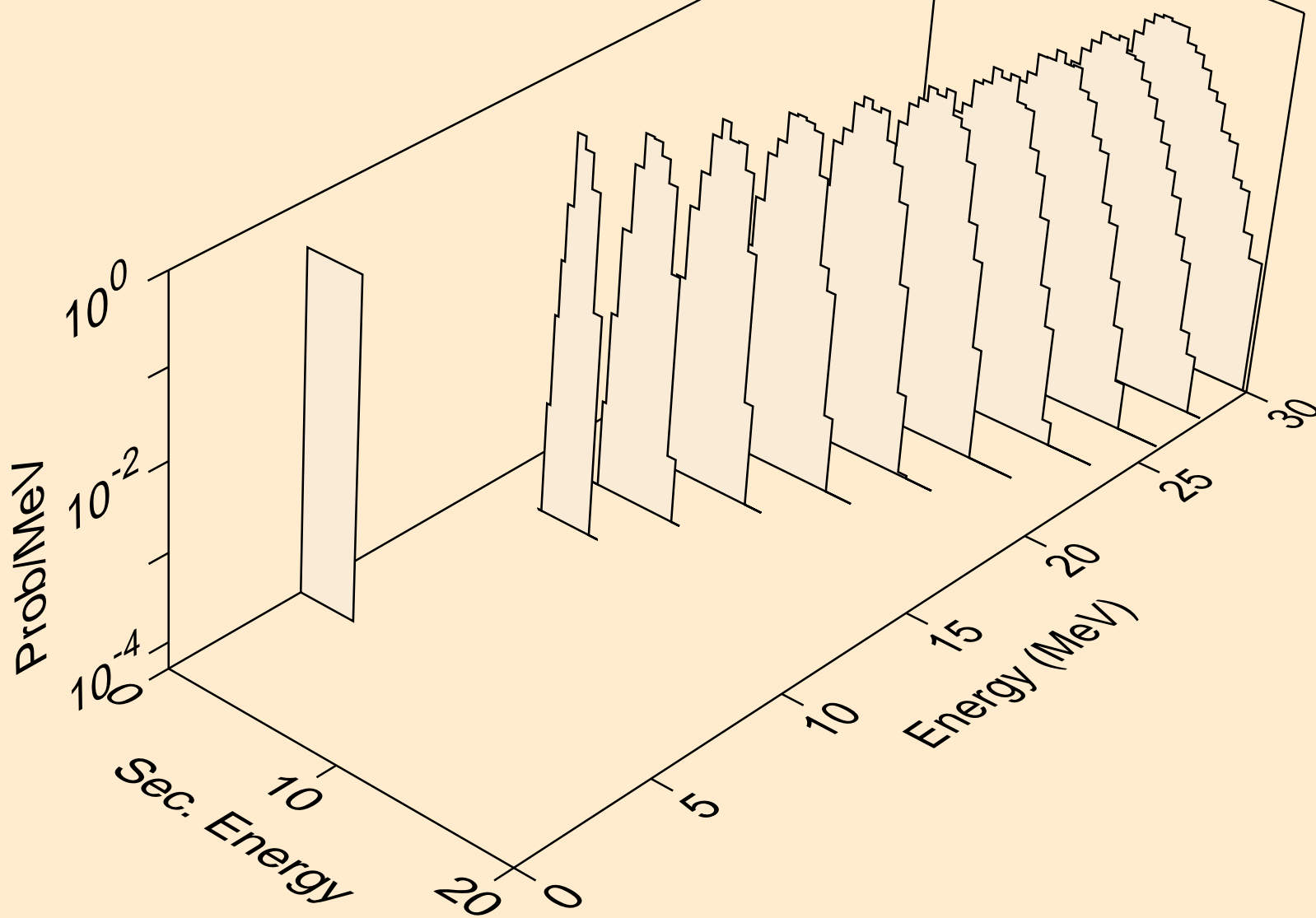


SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SN114 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

