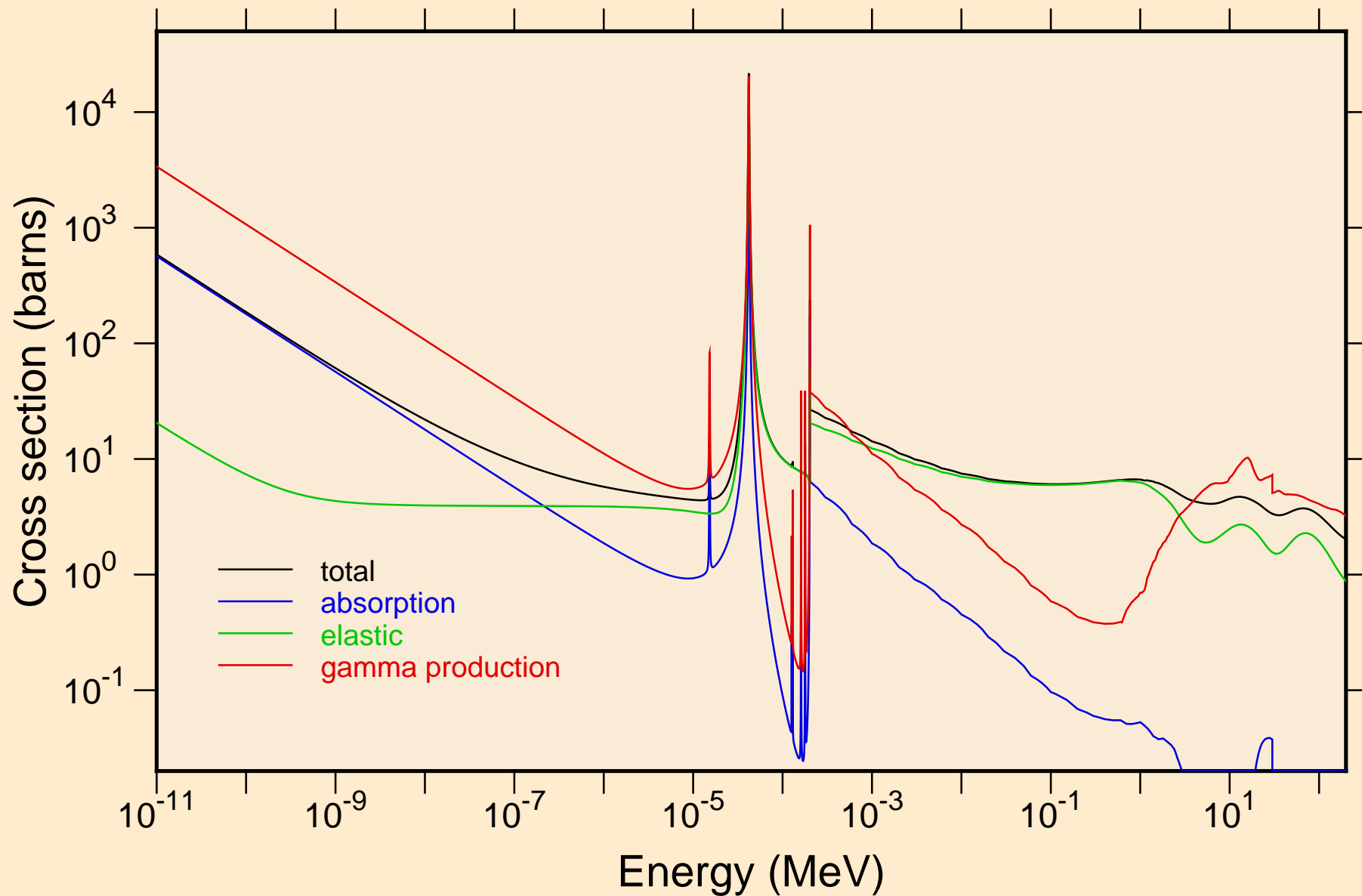
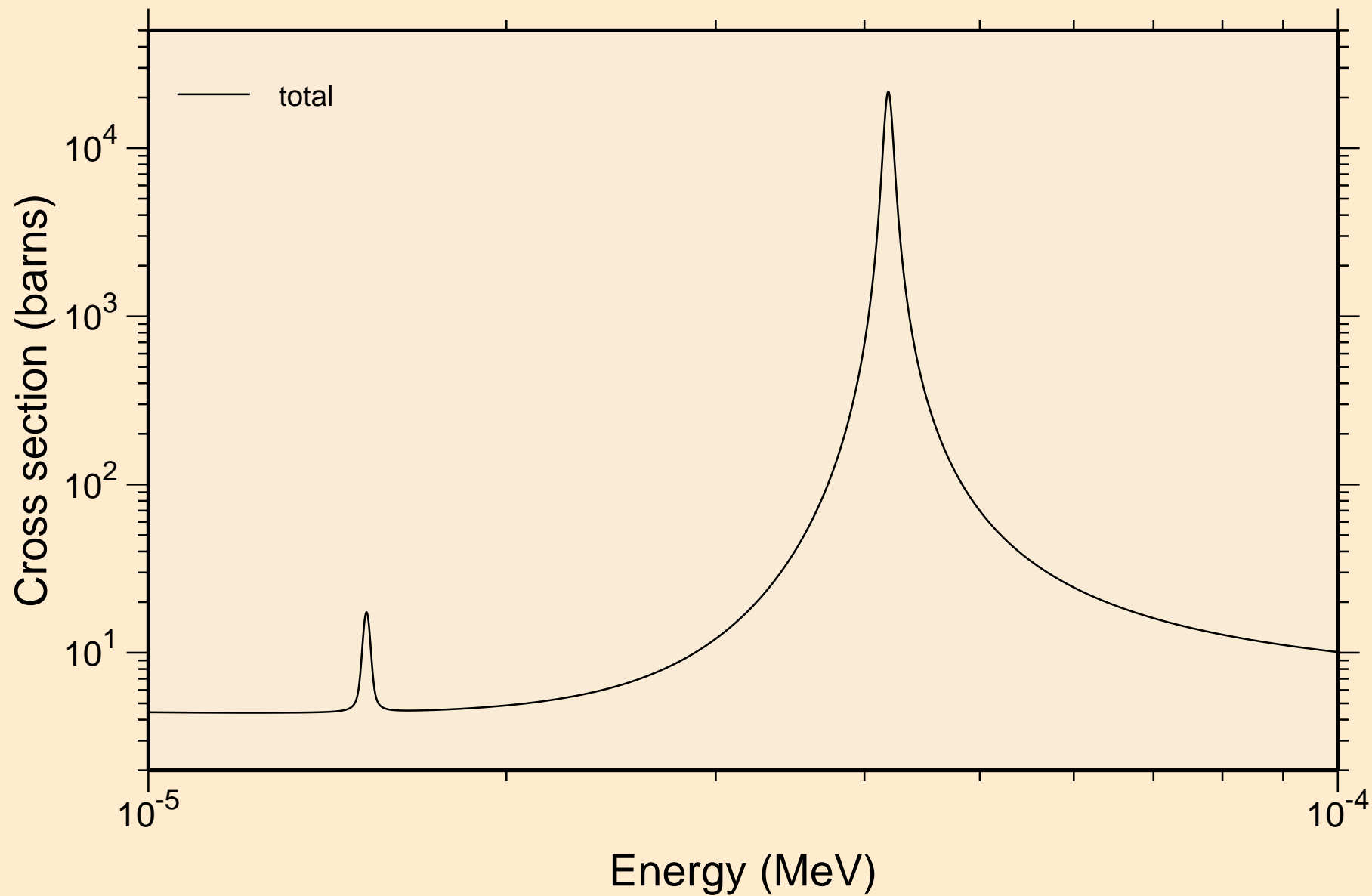


# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

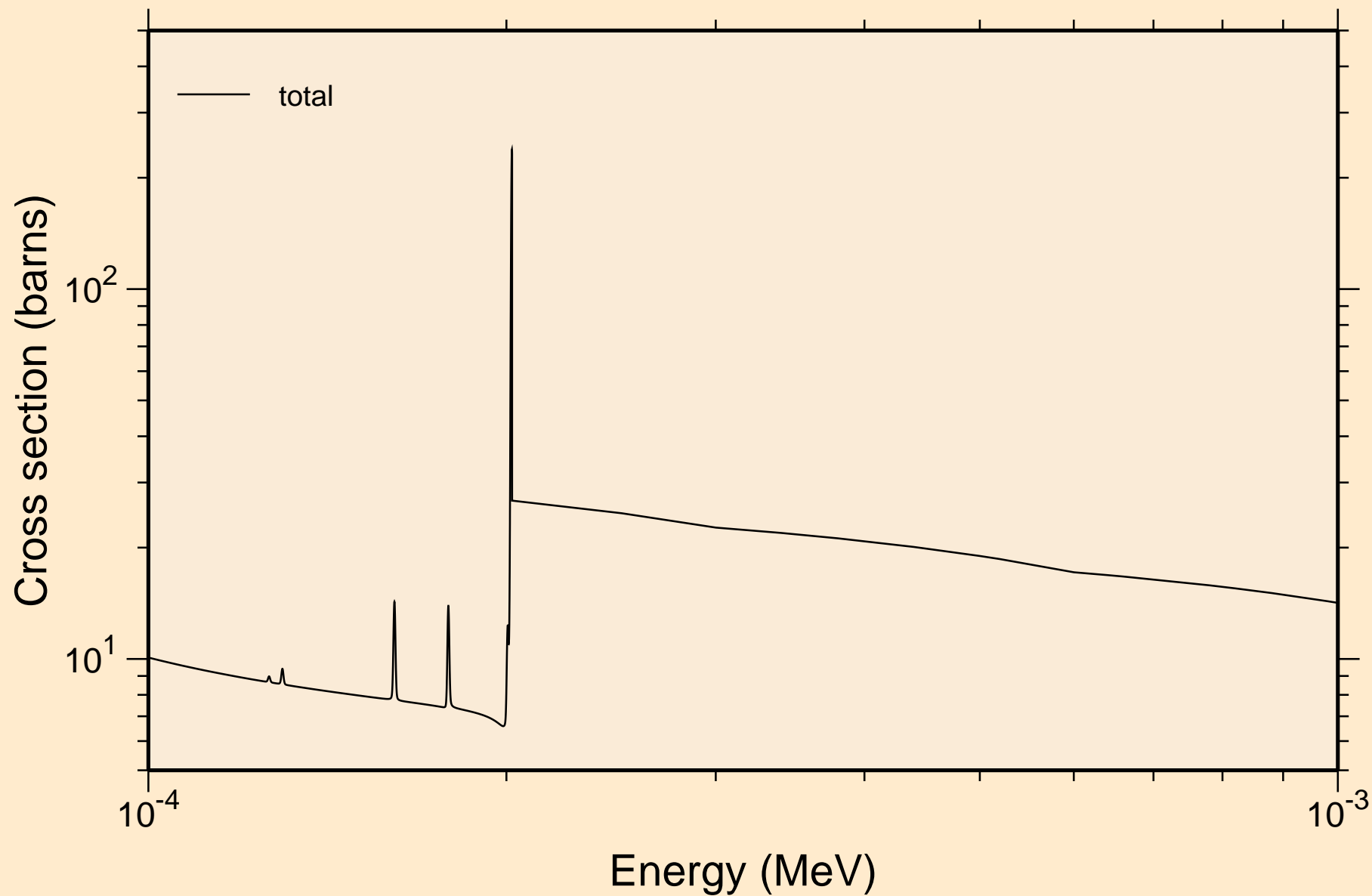
## Principal cross sections



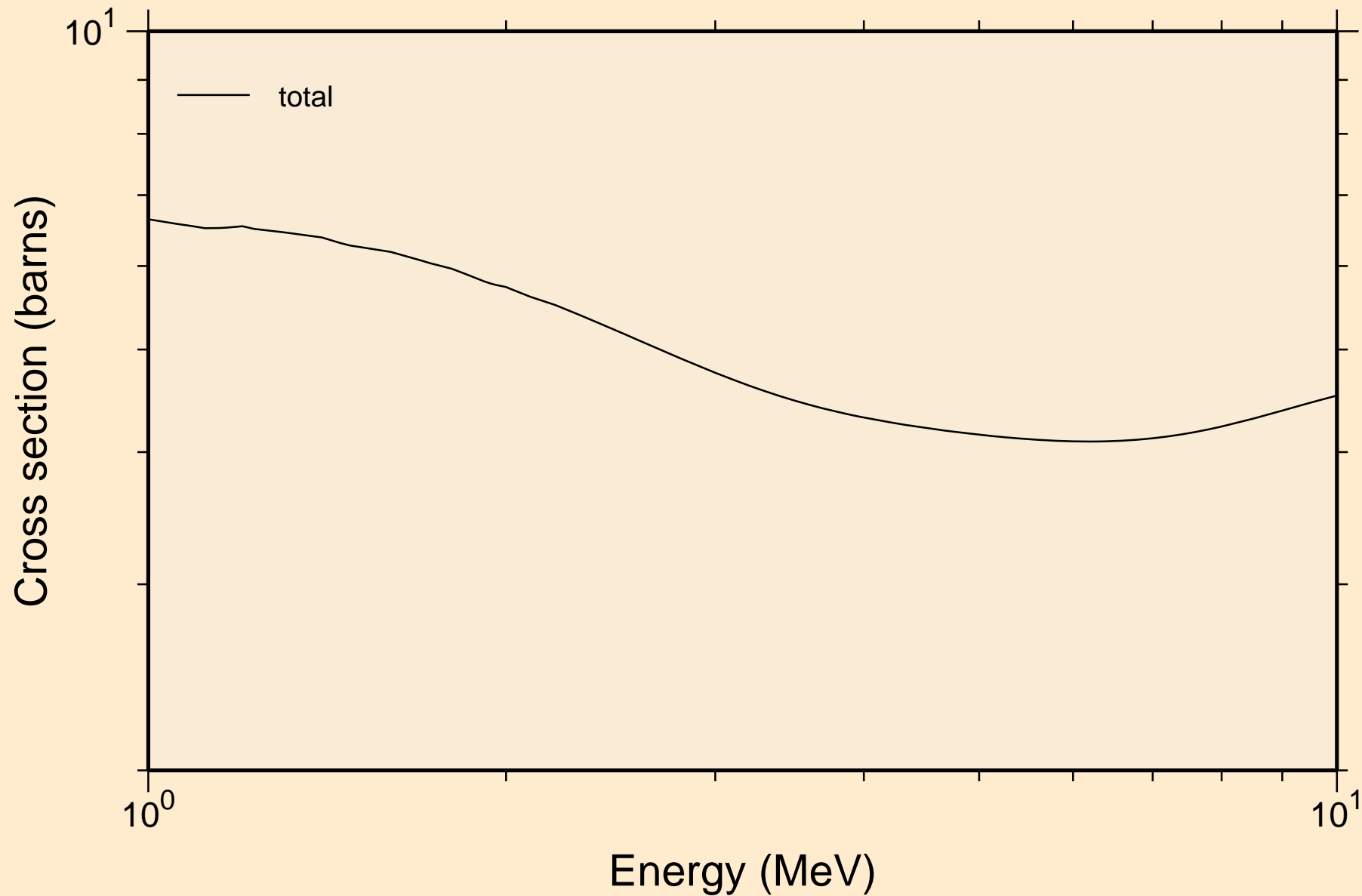
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



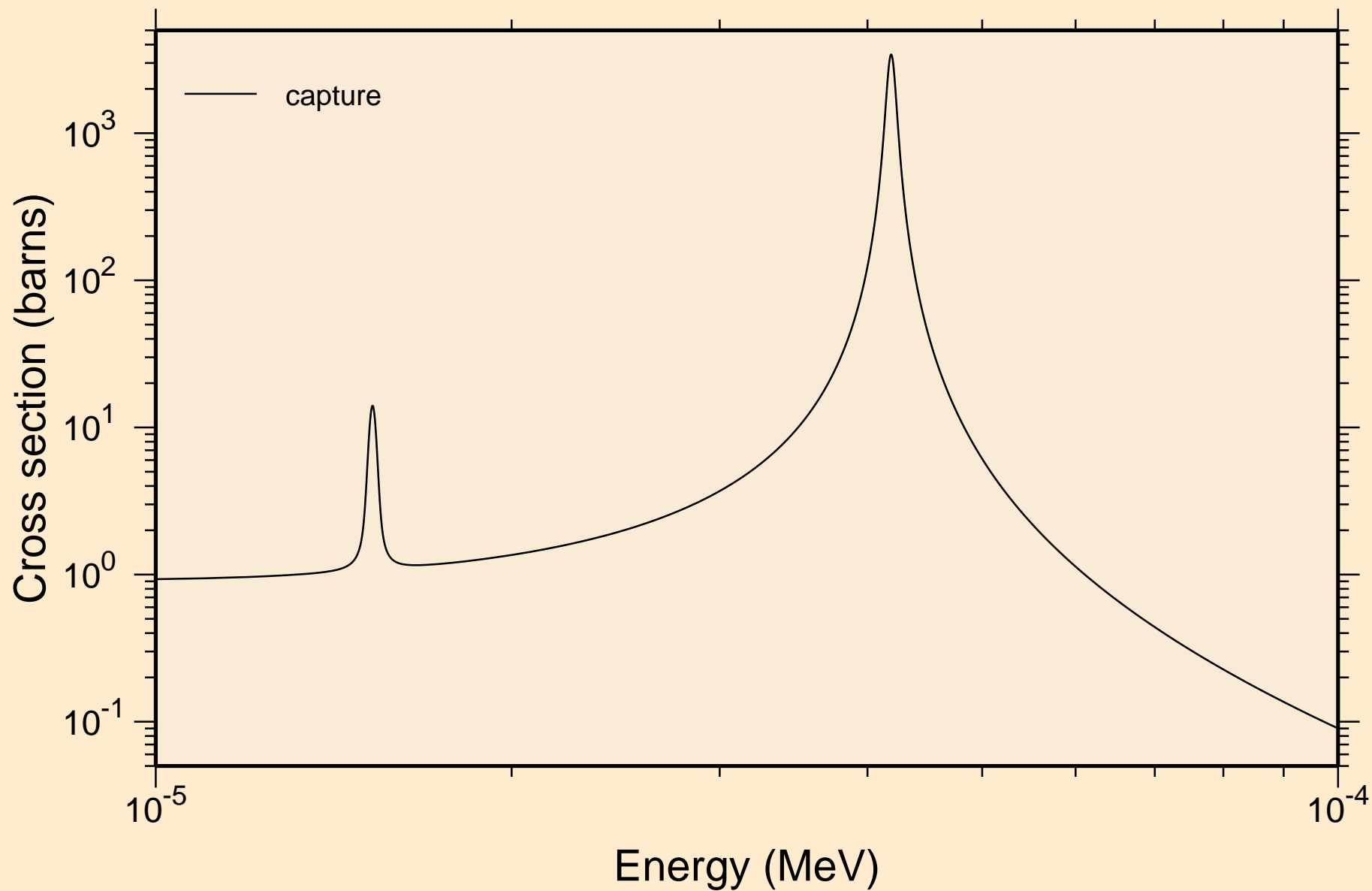
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



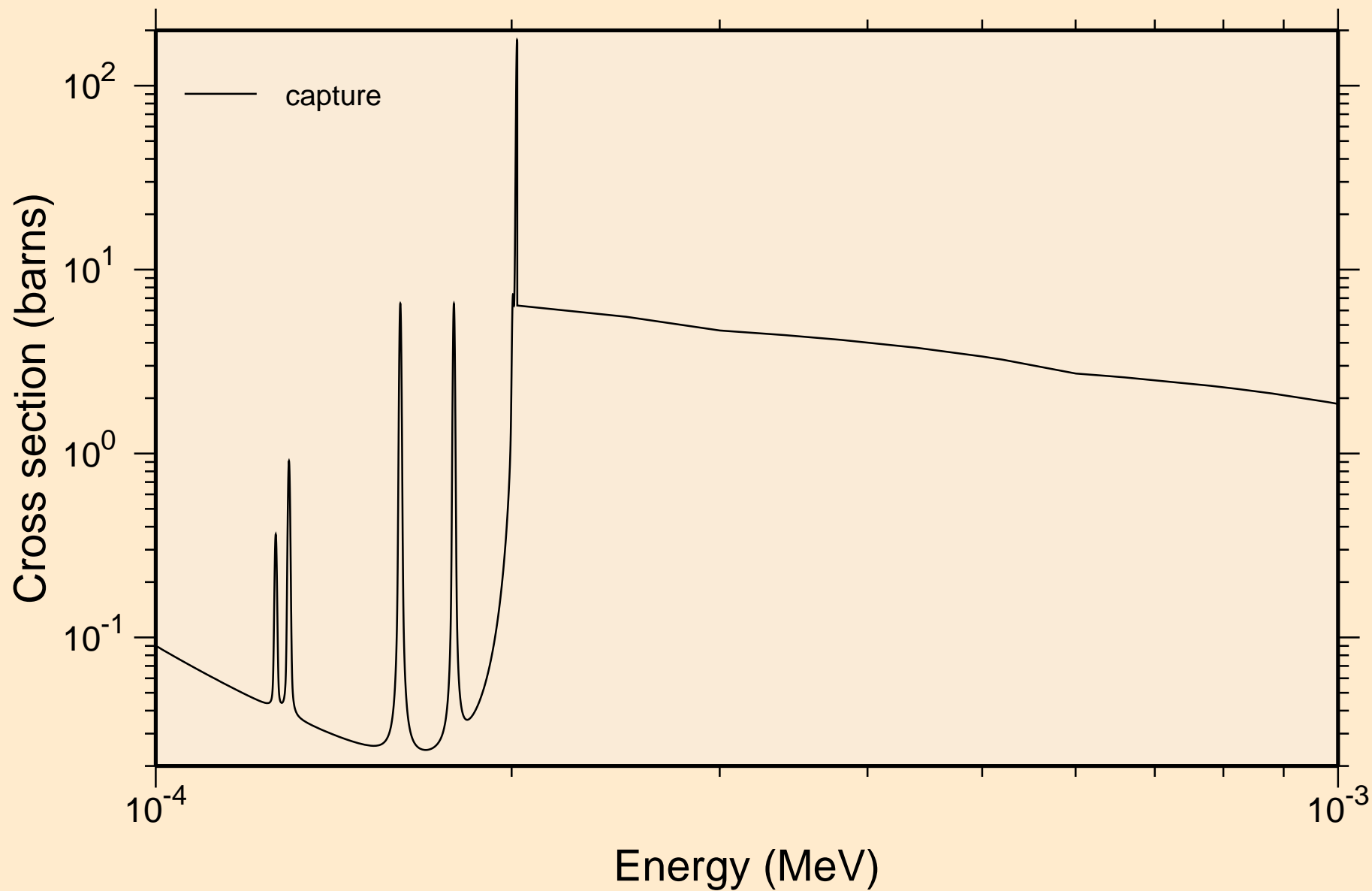
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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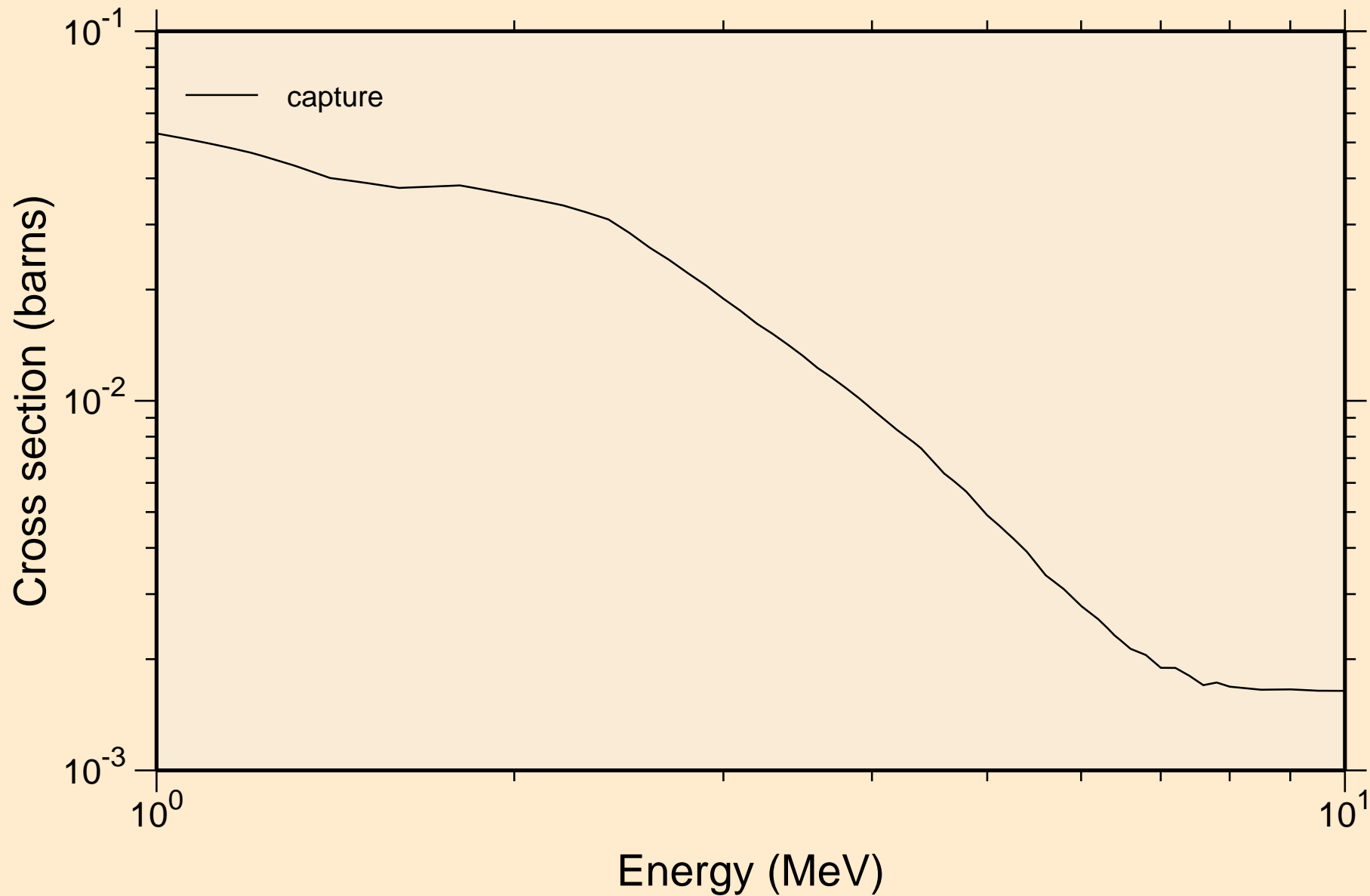
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



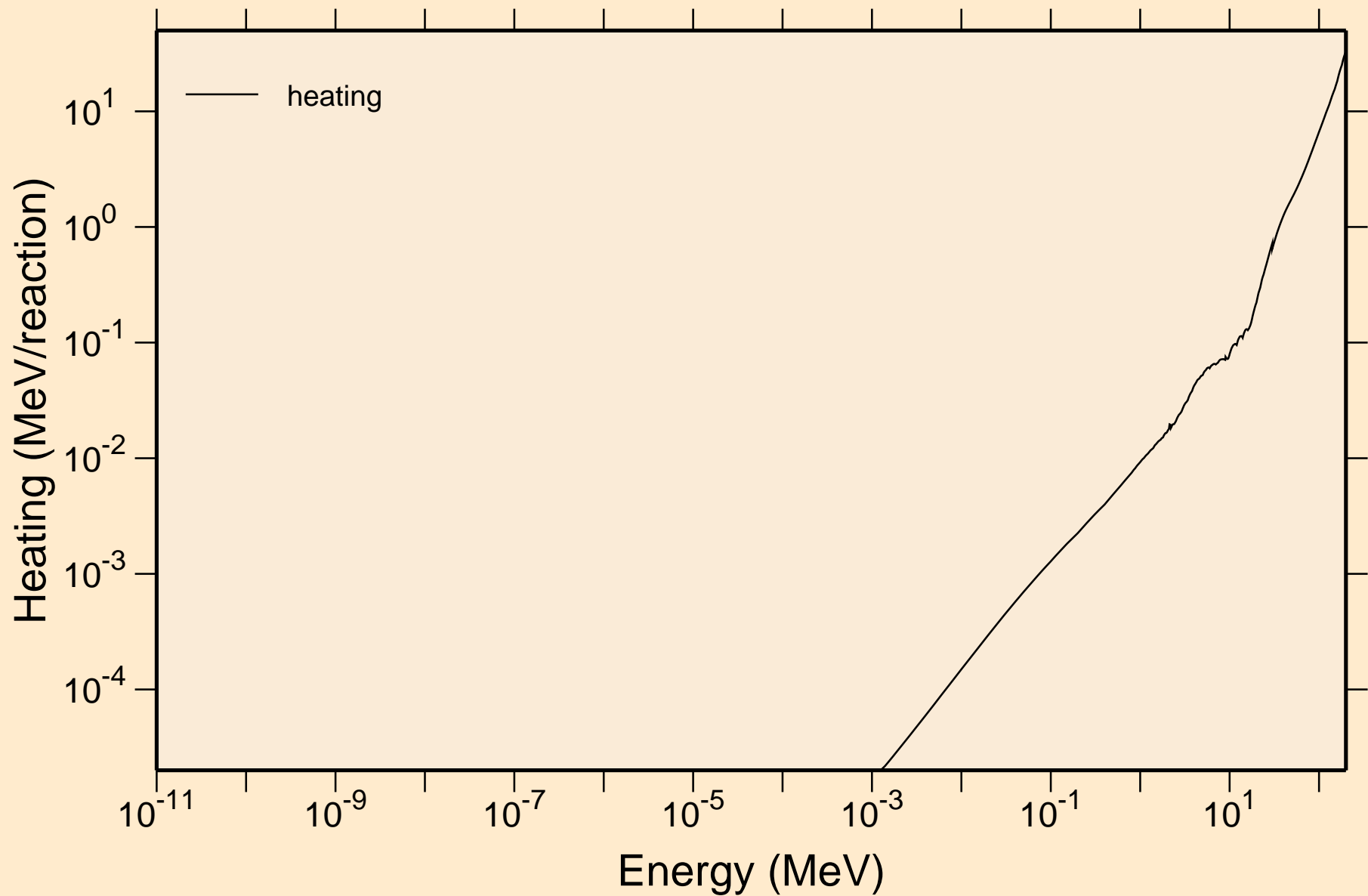
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

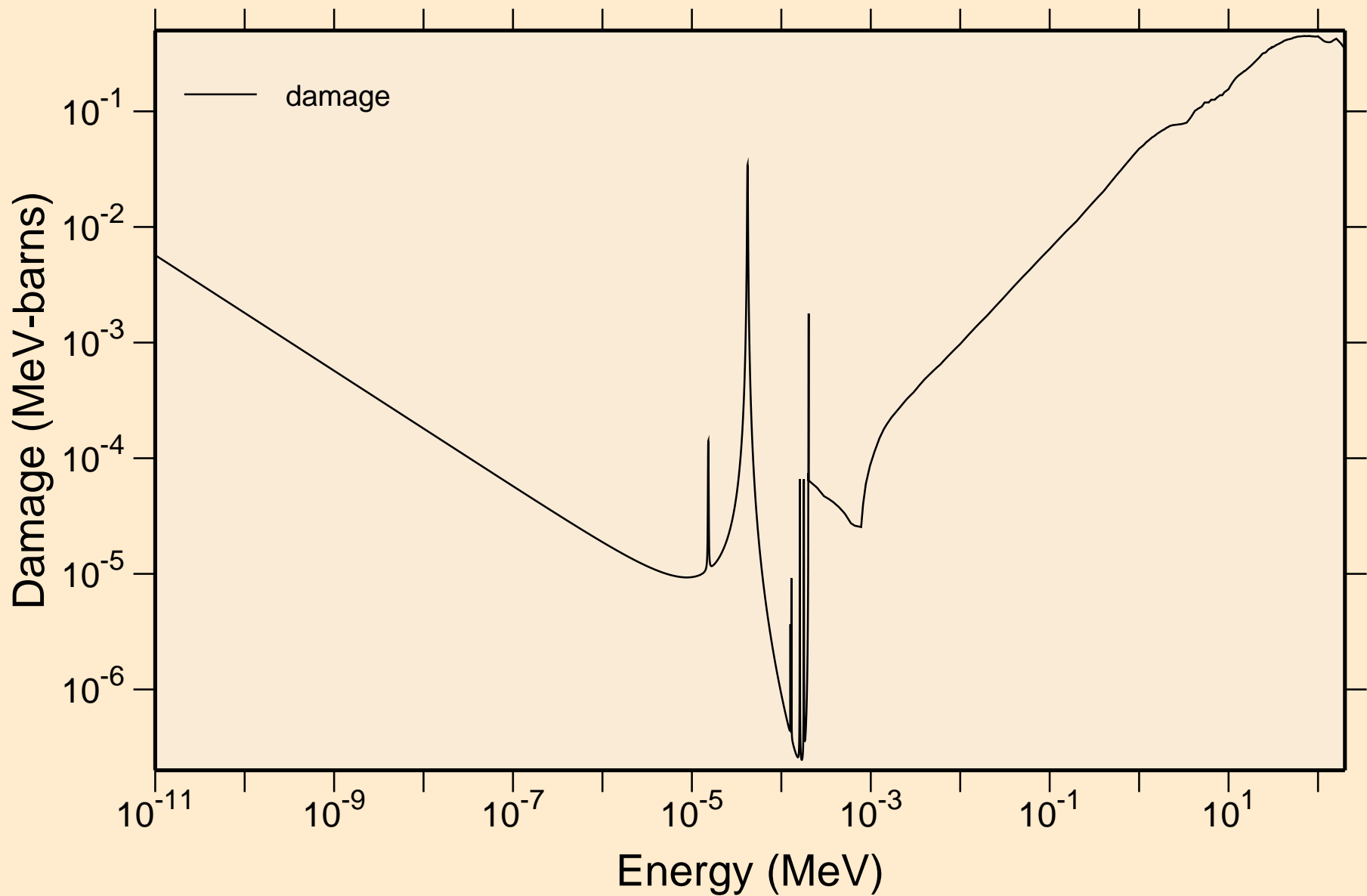


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

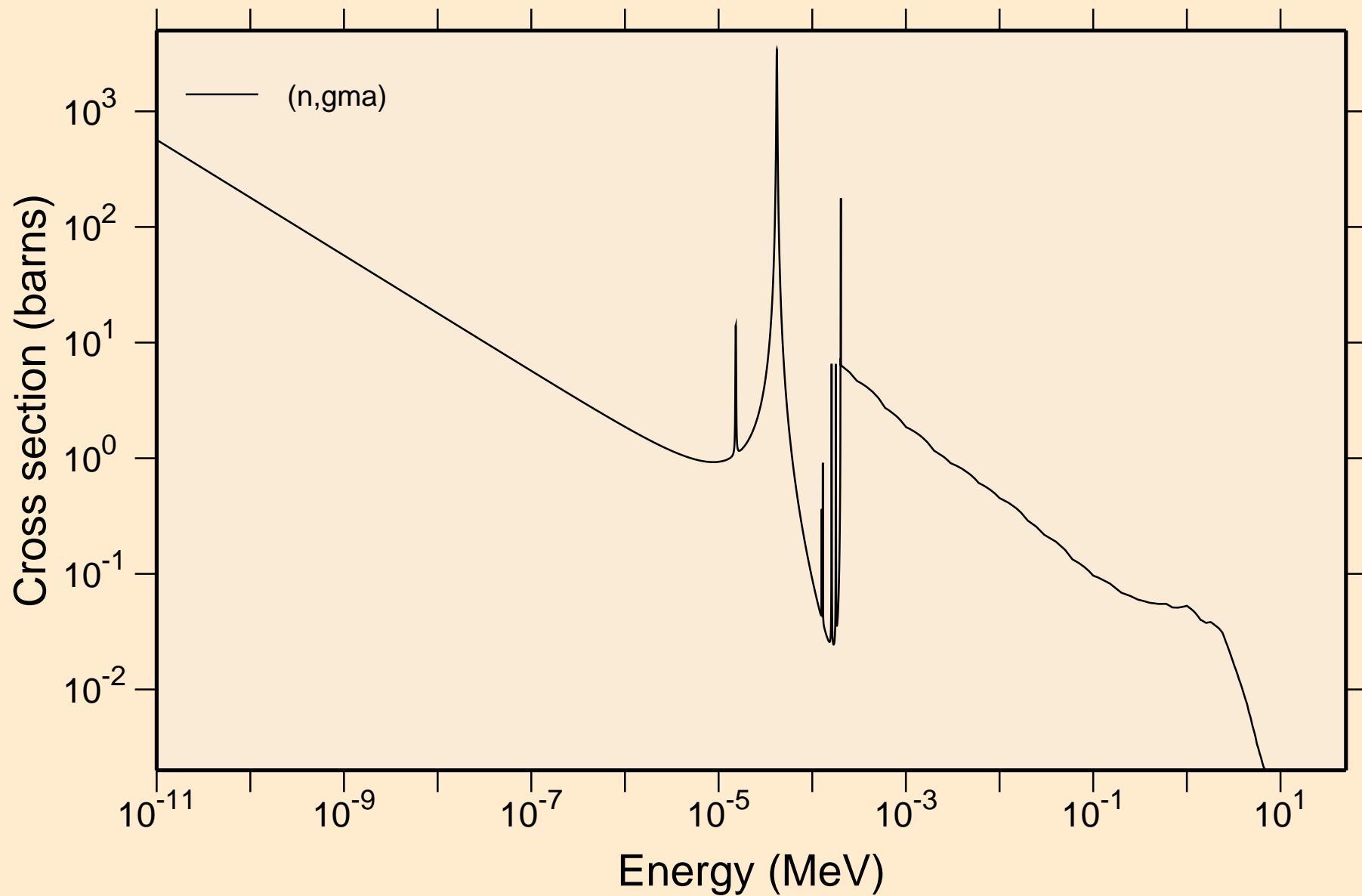




# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

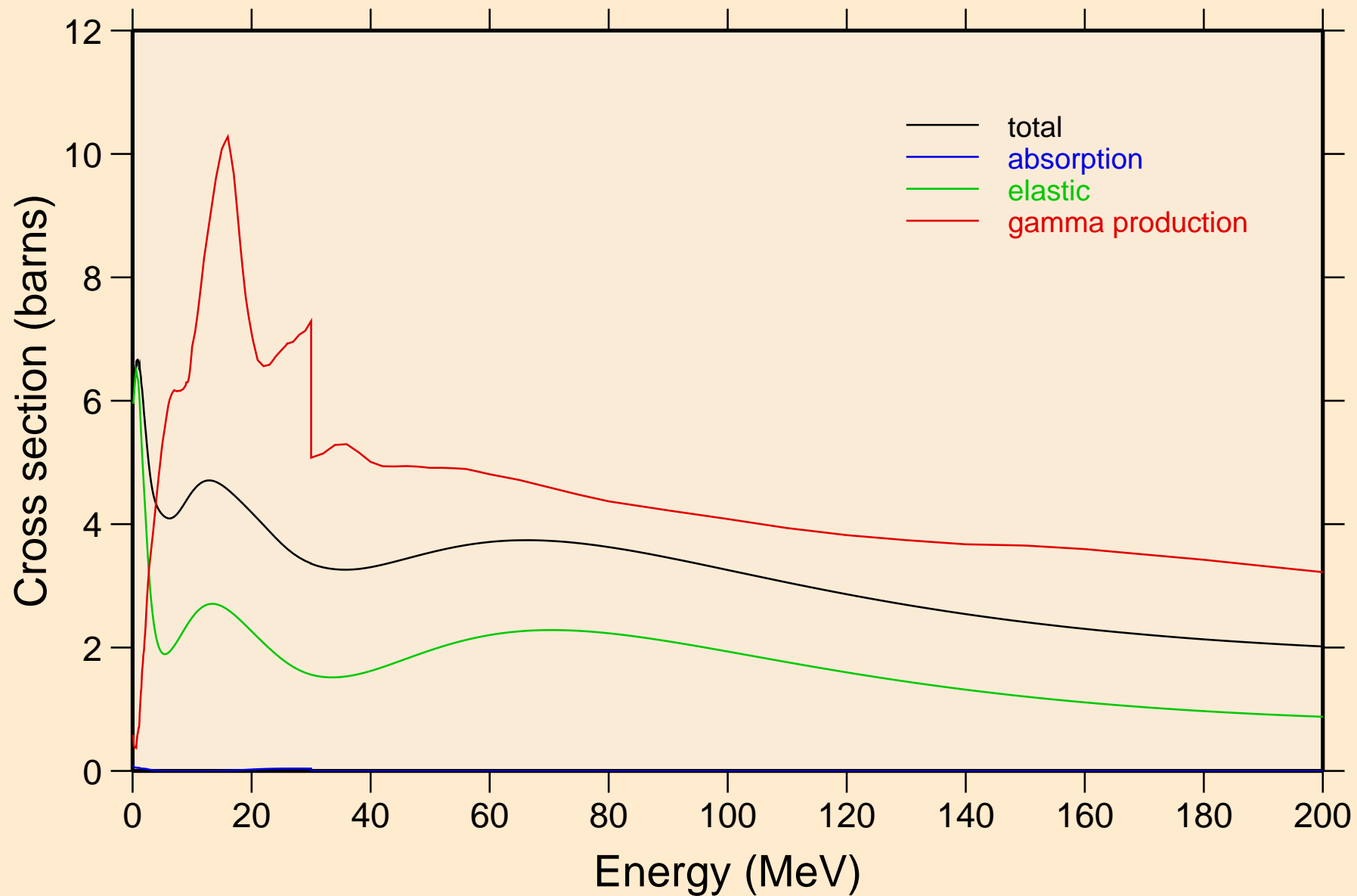


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

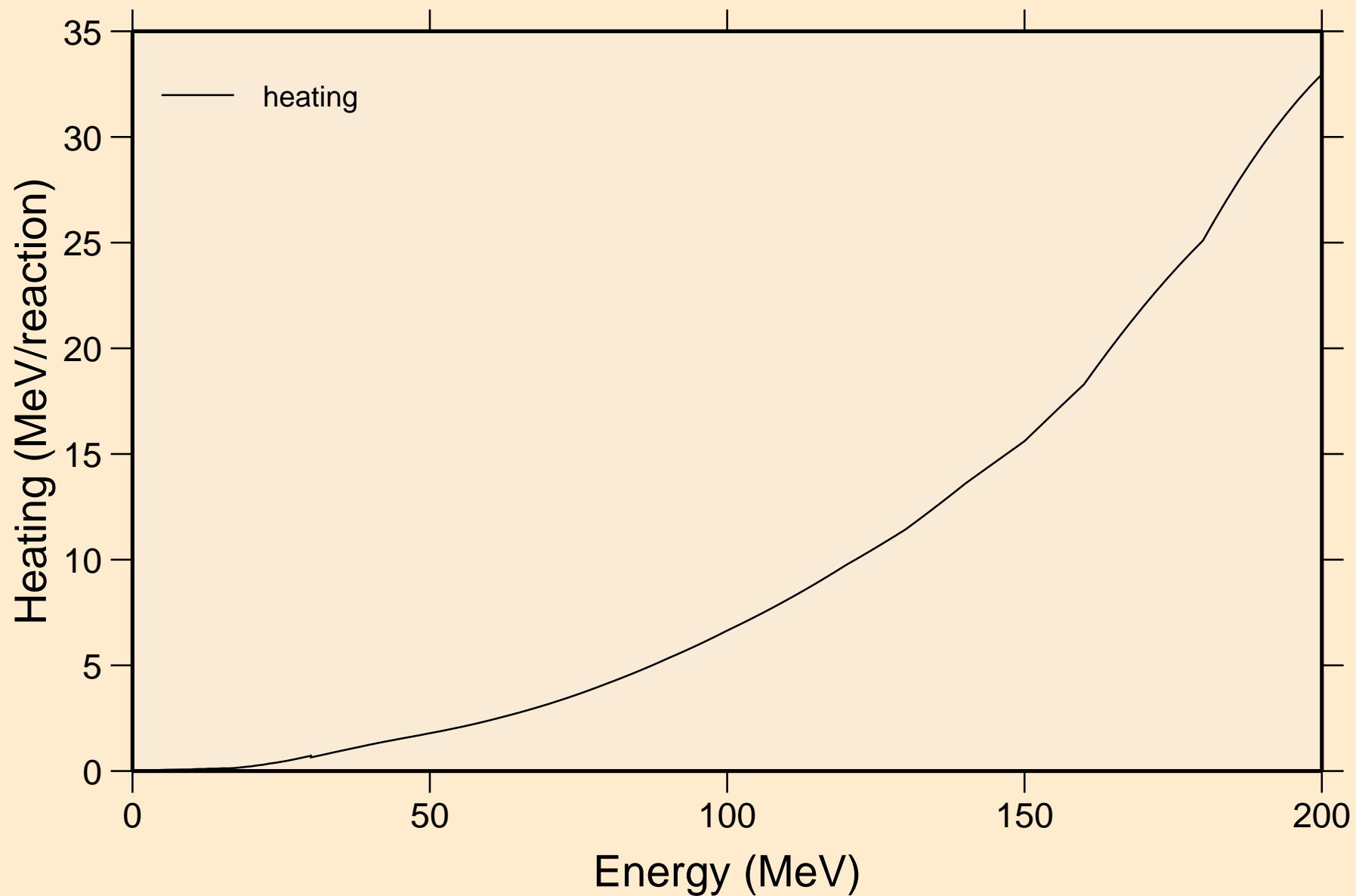


# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

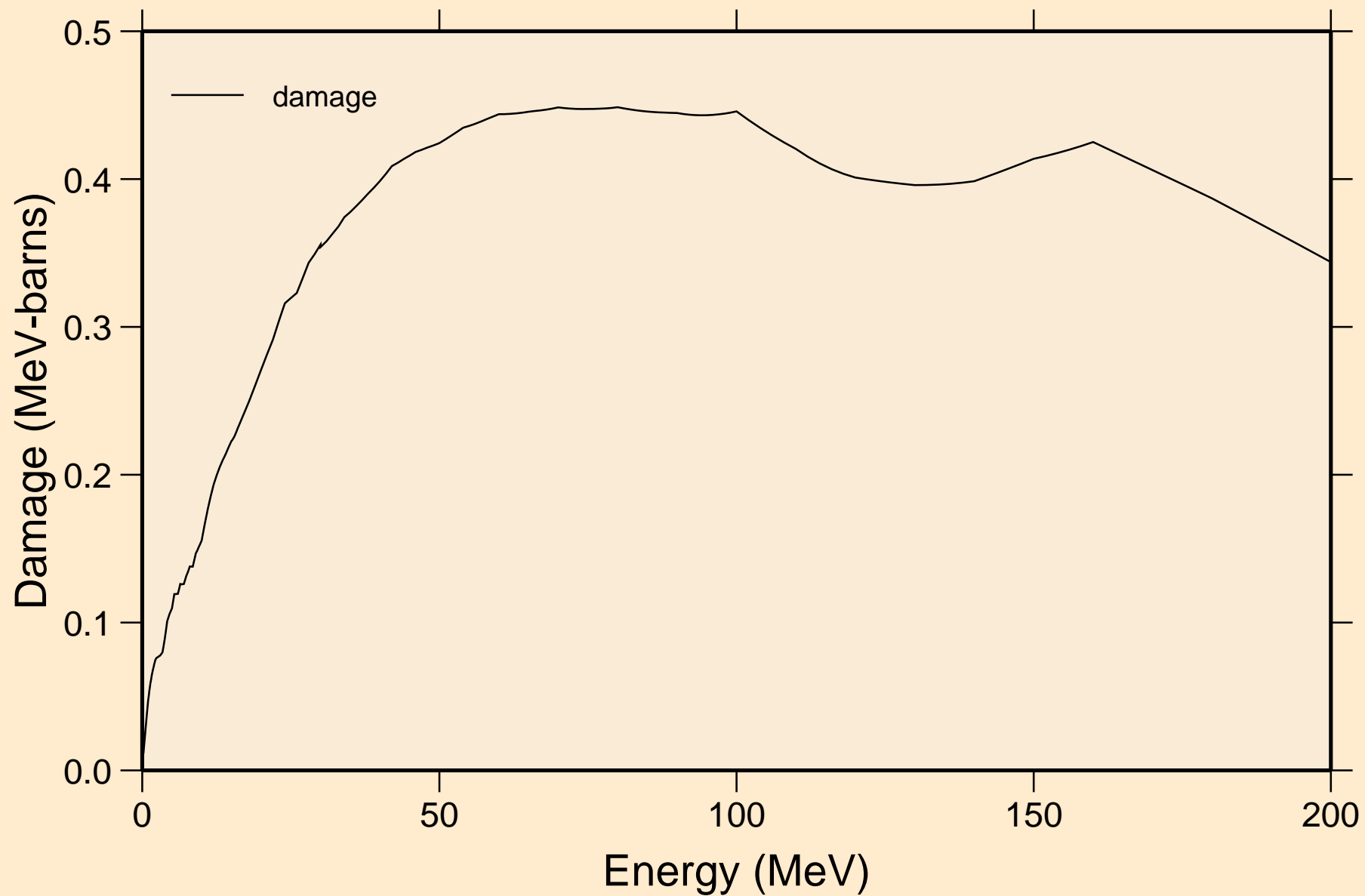


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

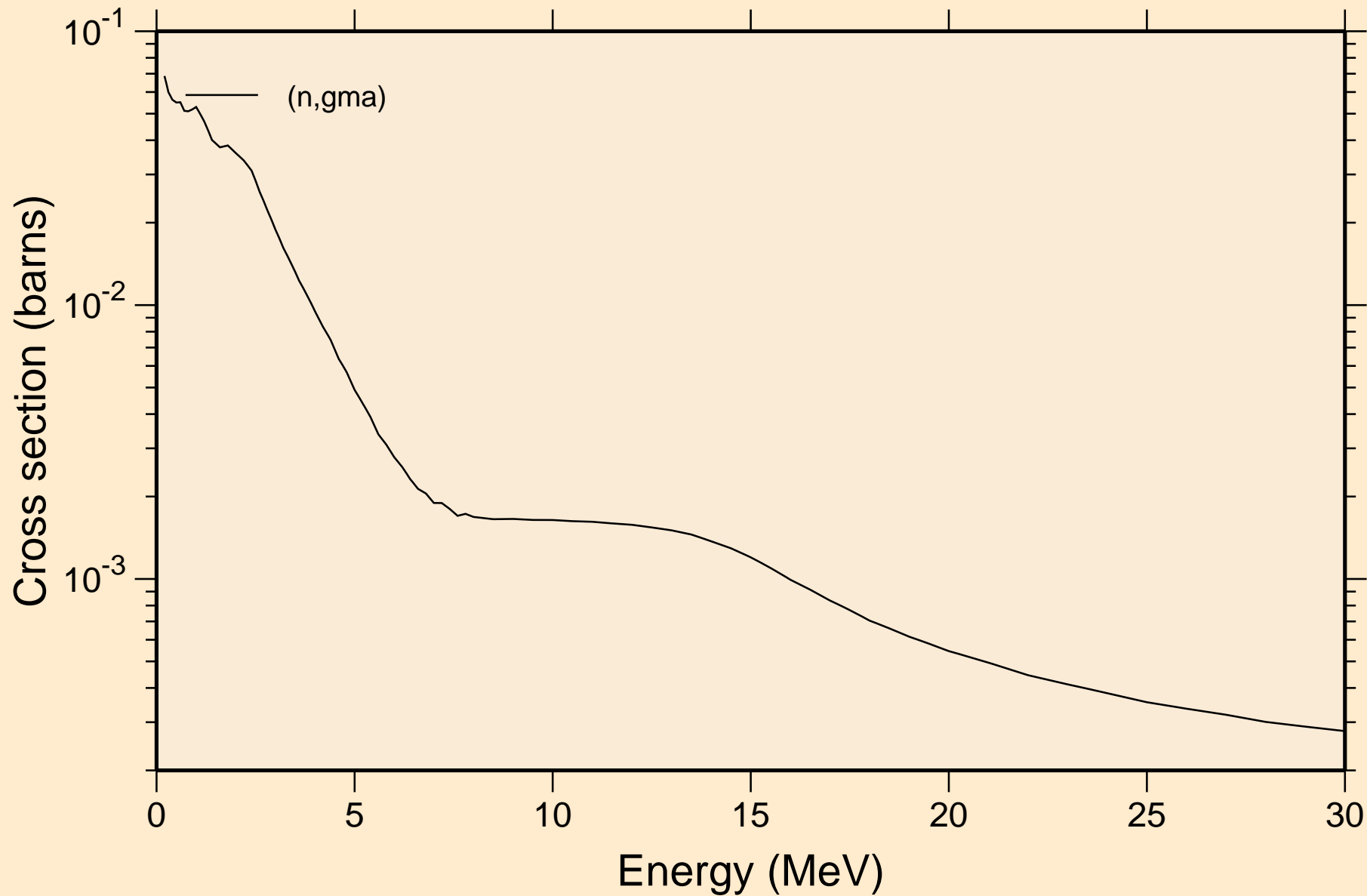


# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Damage

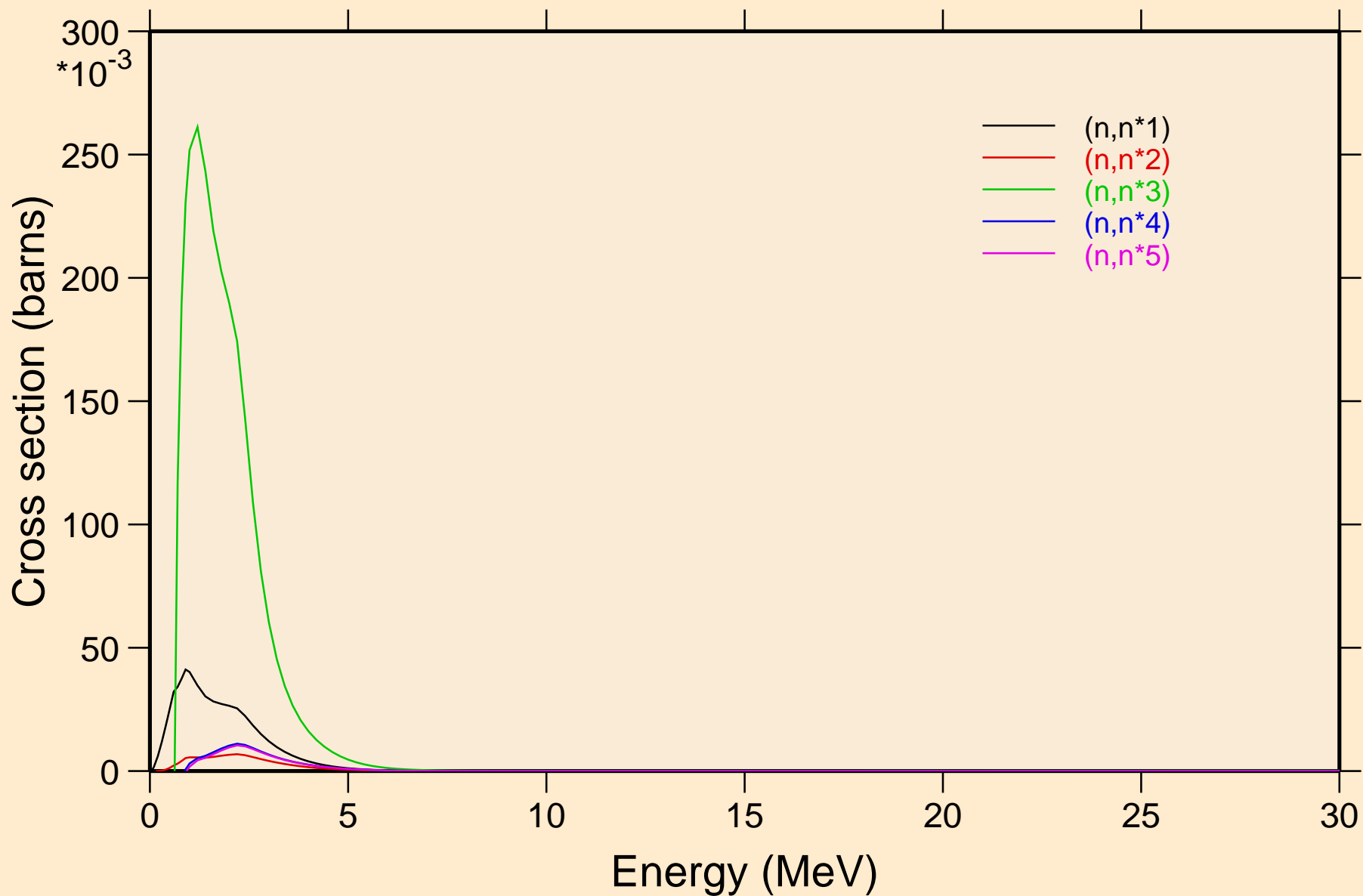


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



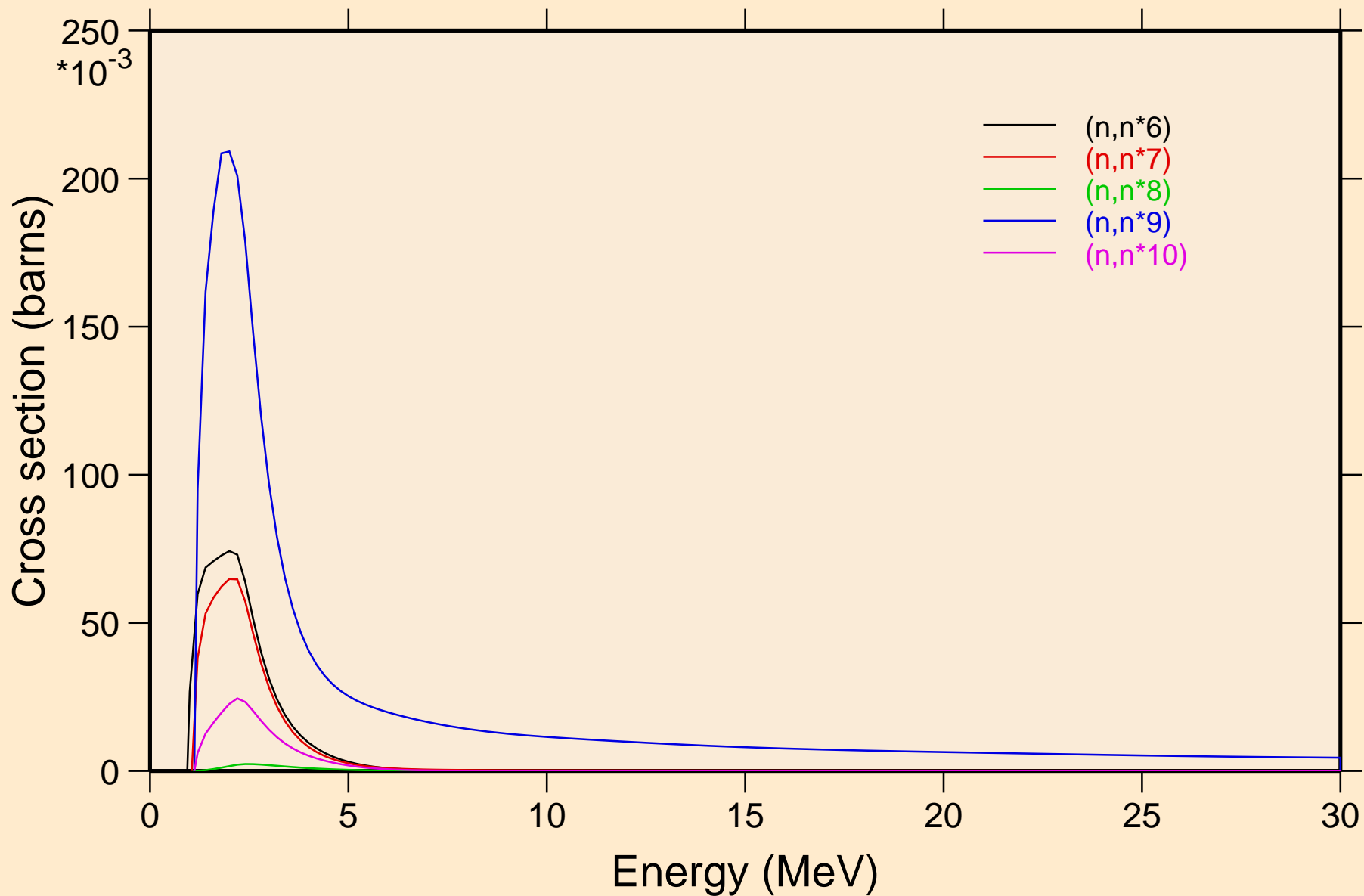
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Inelastic levels



# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

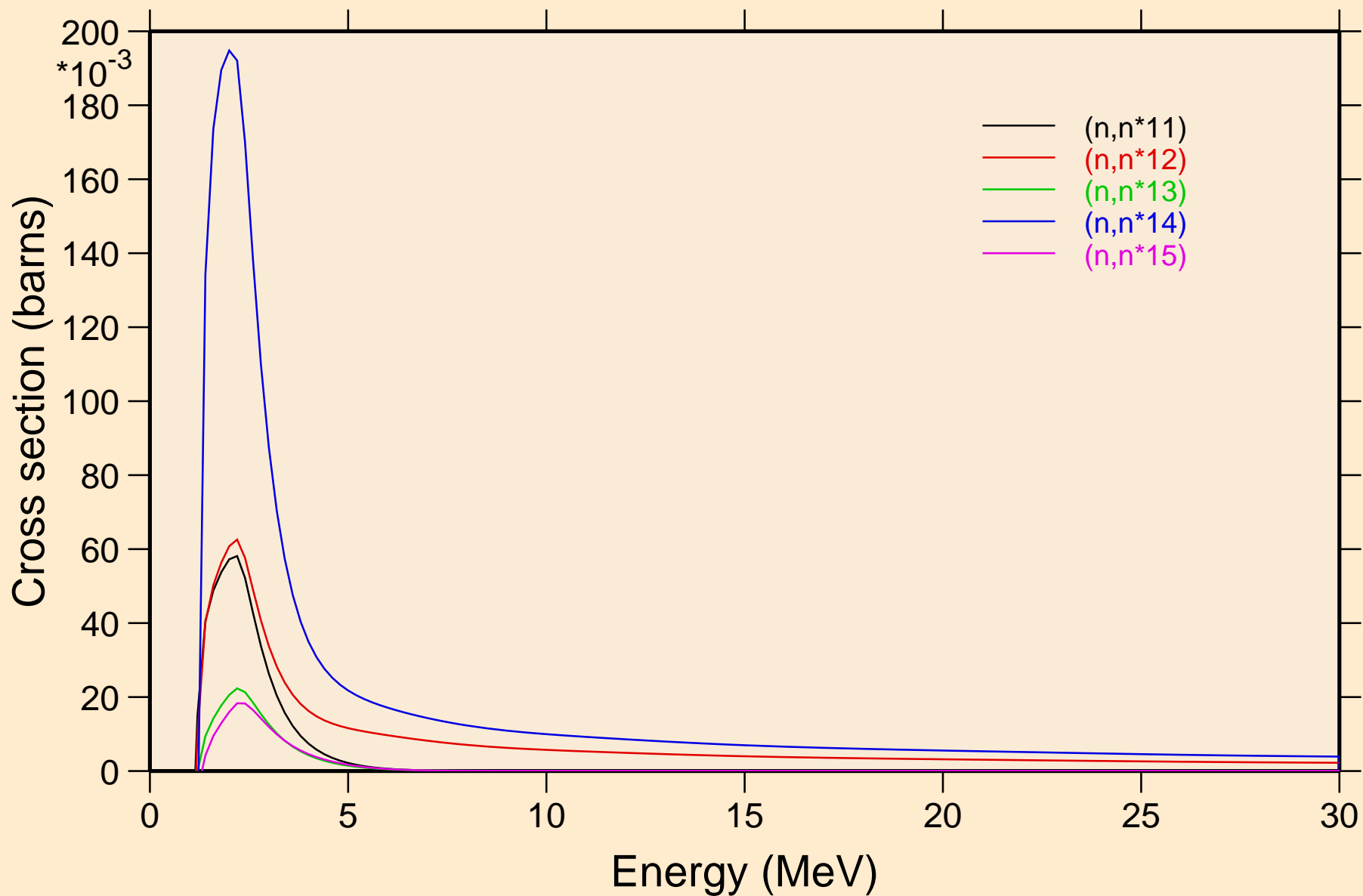
## Inelastic levels





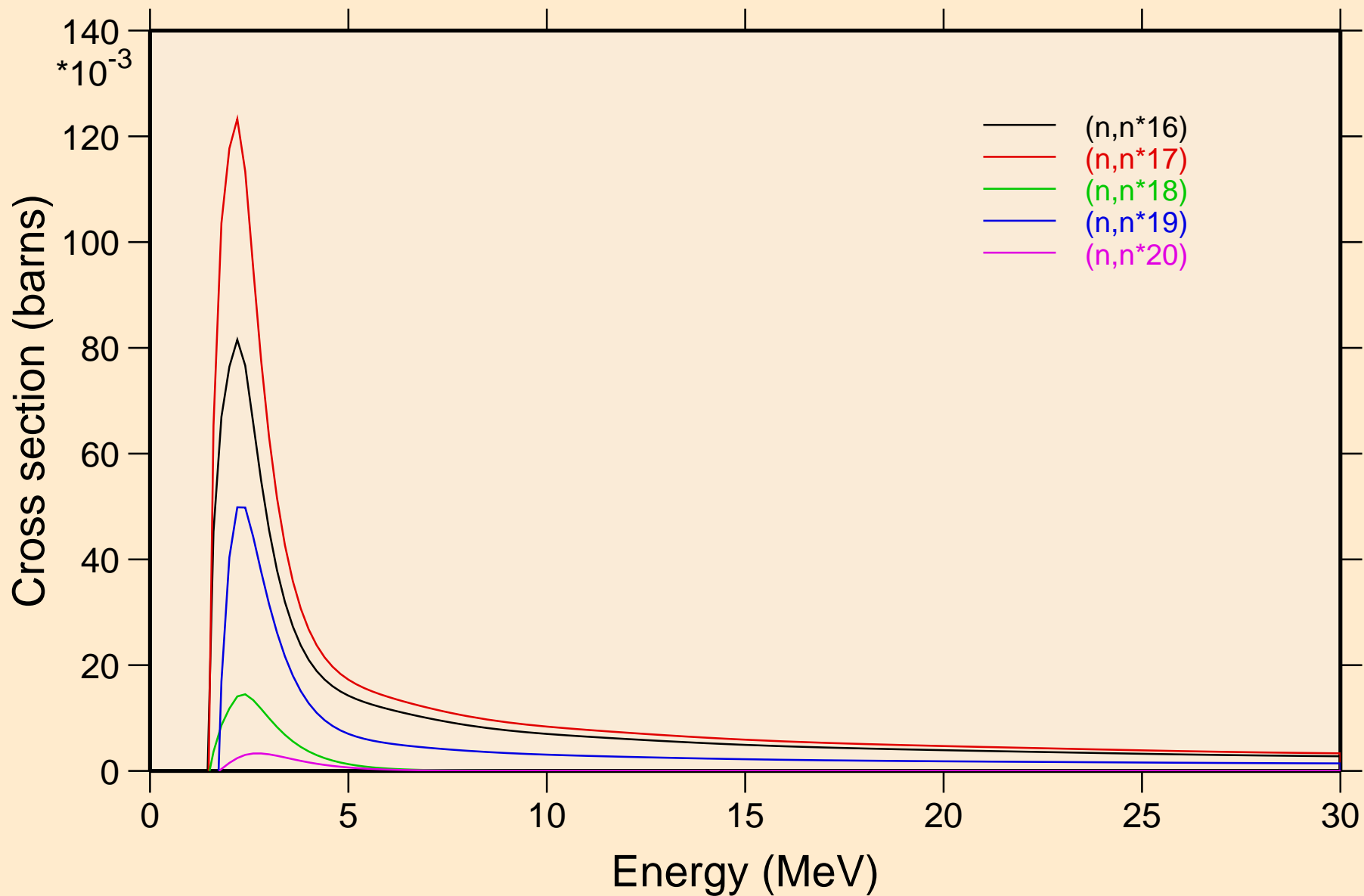
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## Inelastic levels

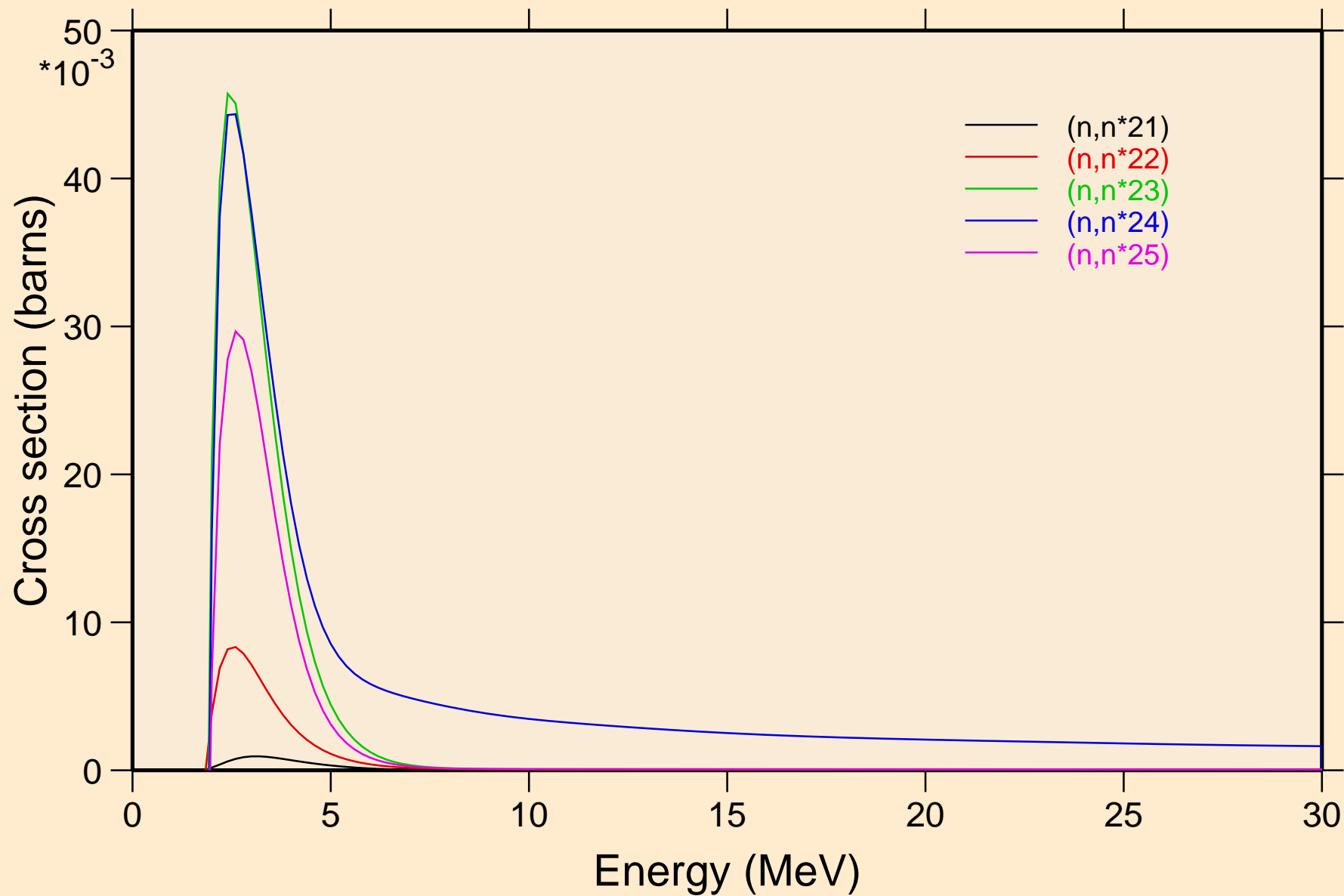


# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

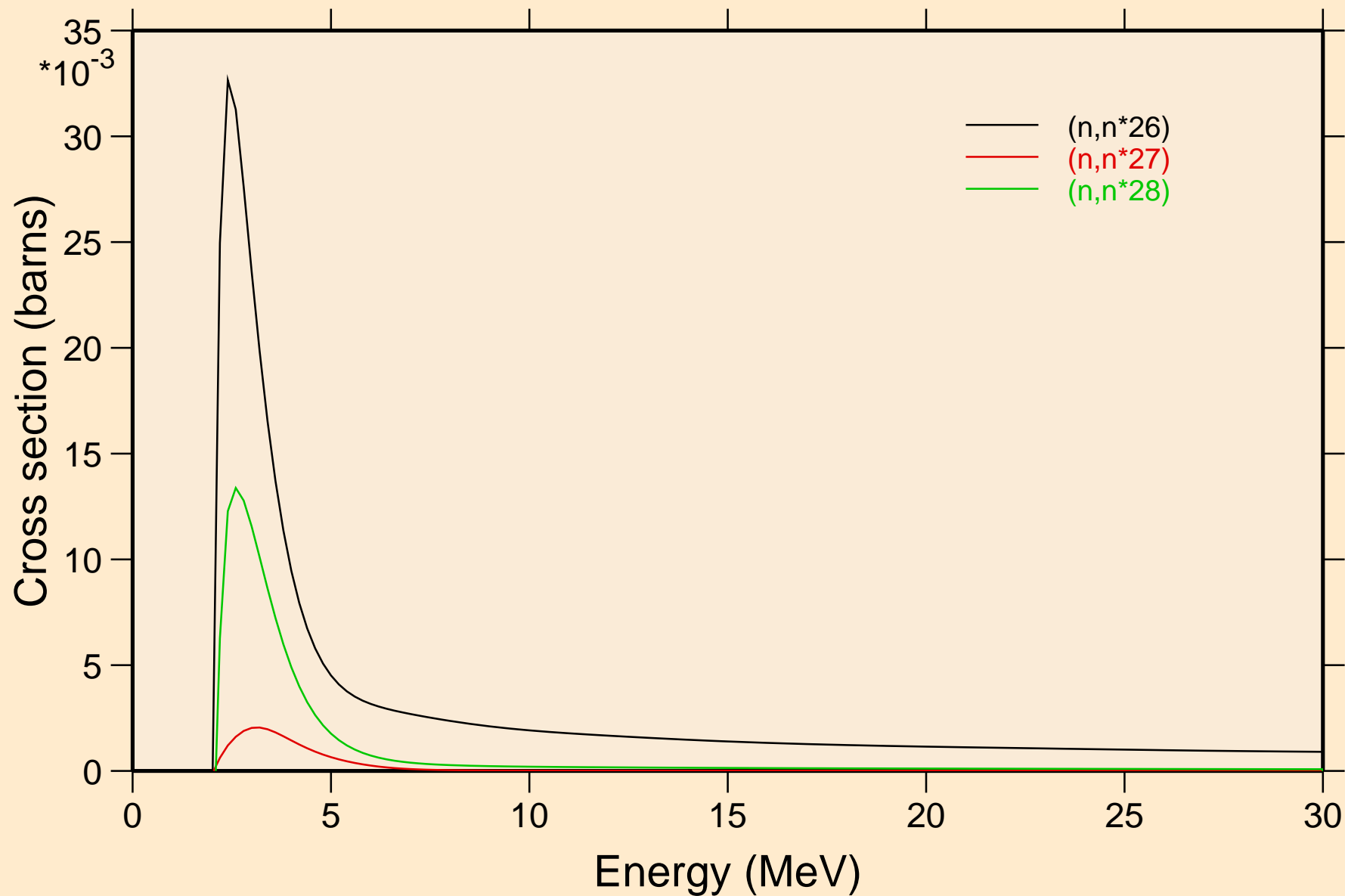
## Inelastic levels



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

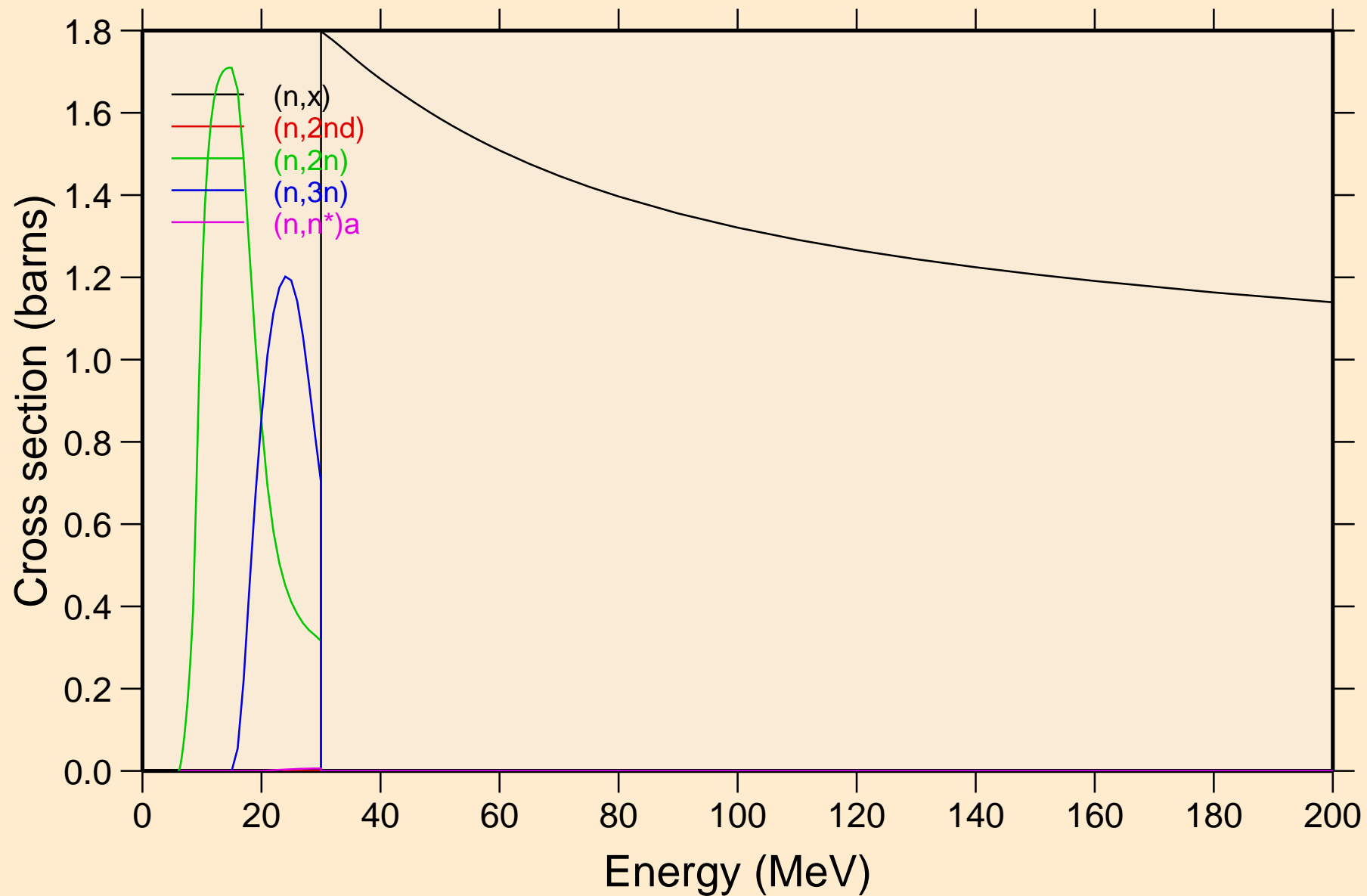


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



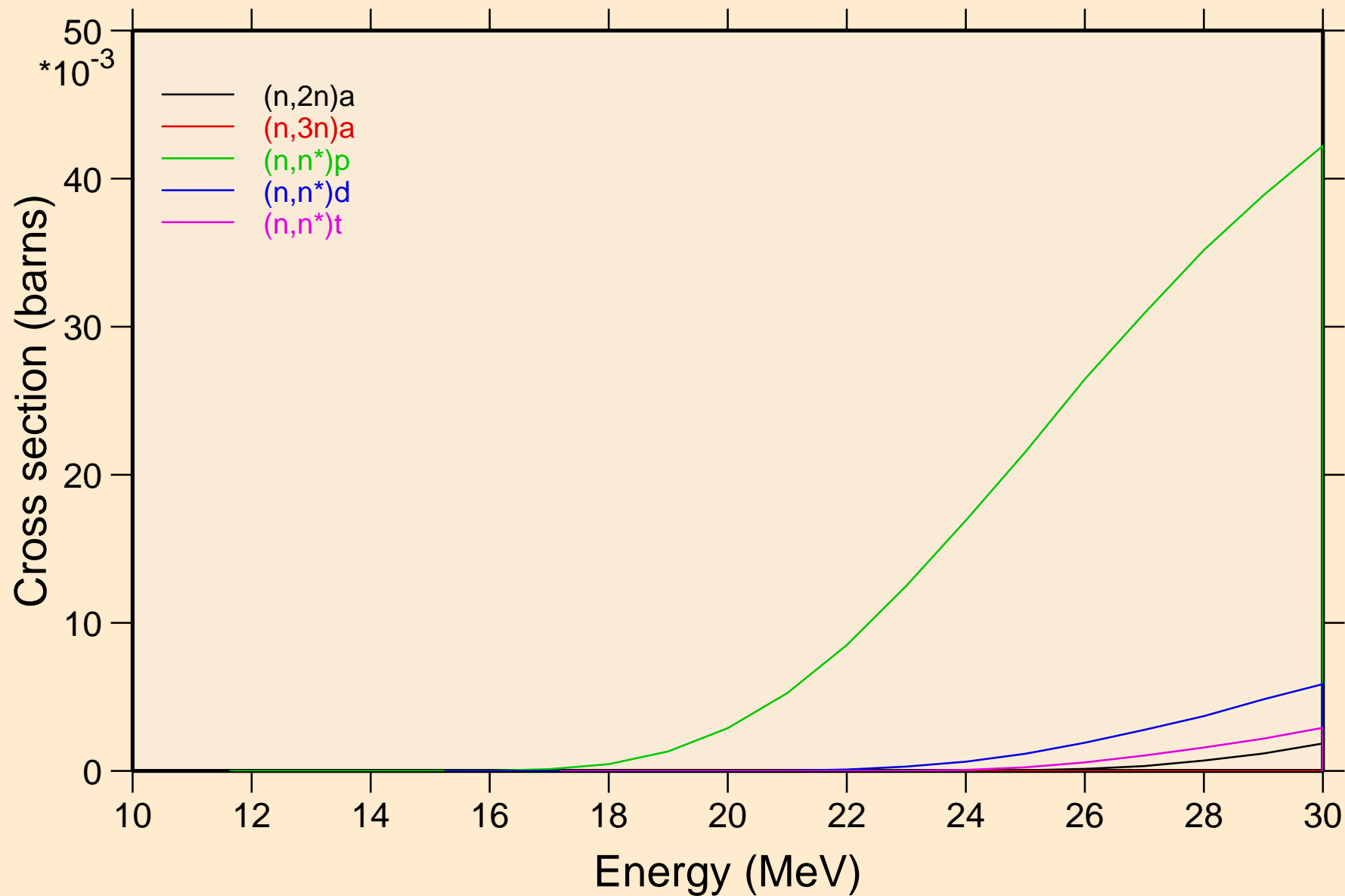
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



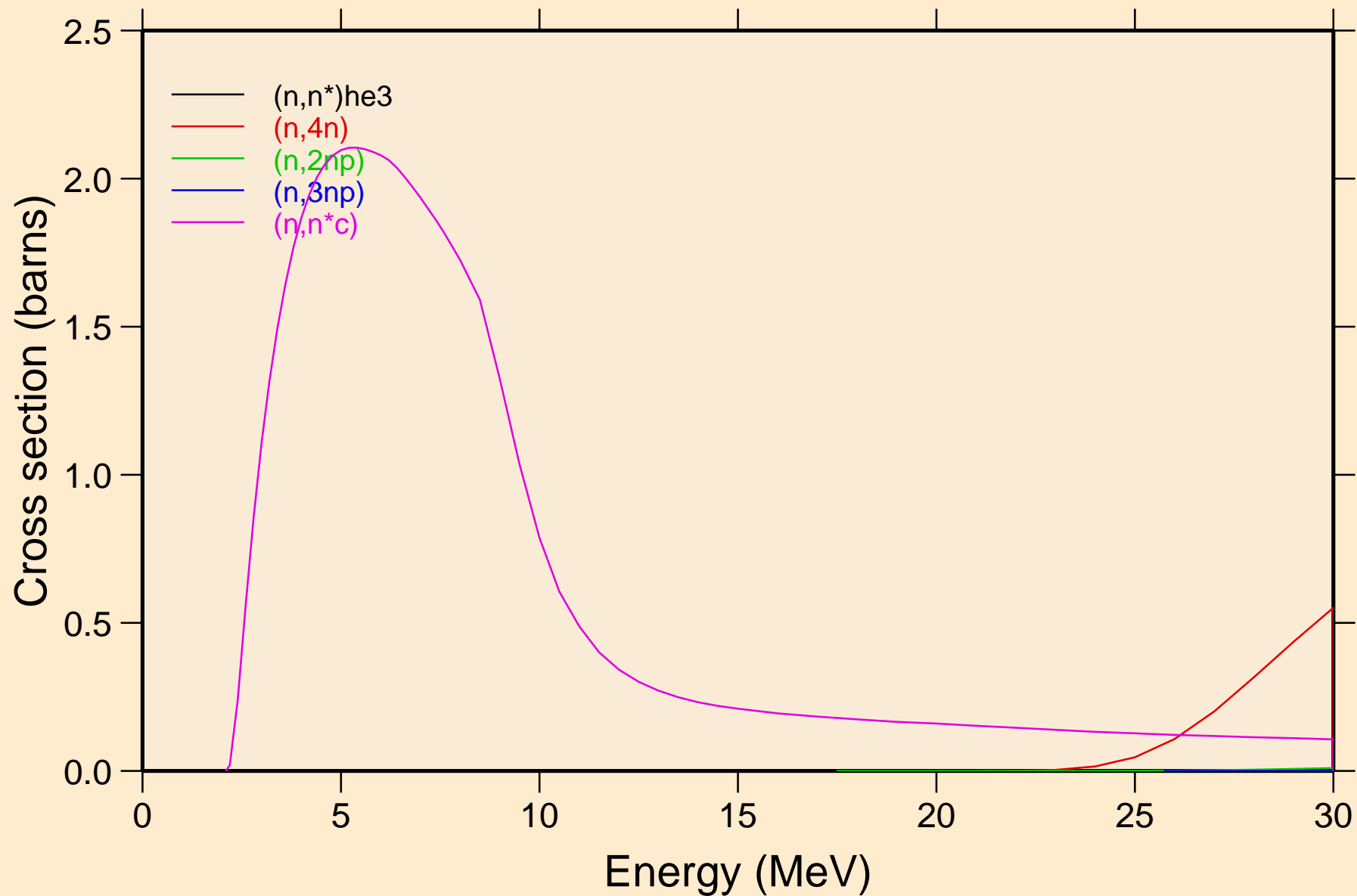
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



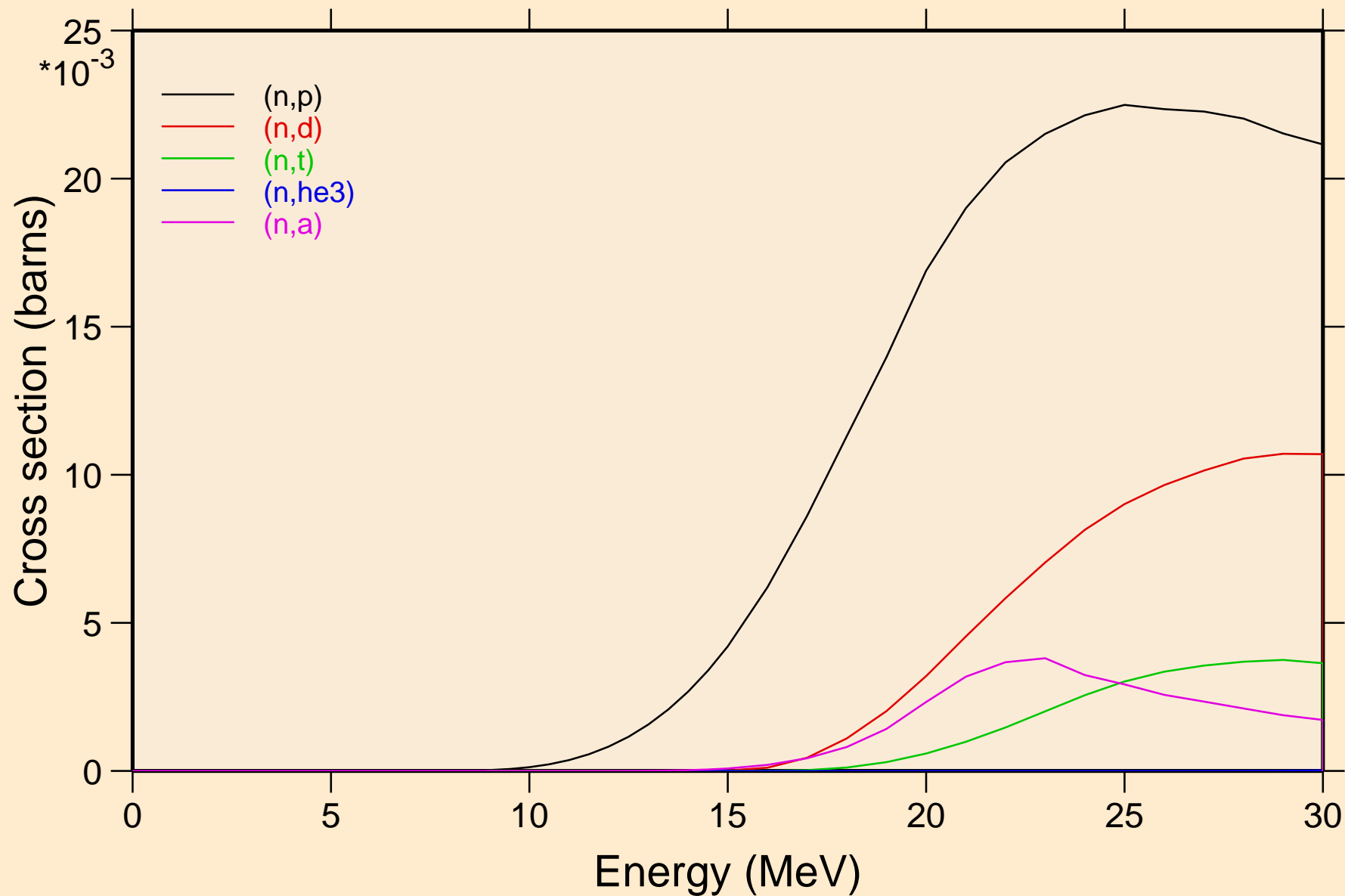
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



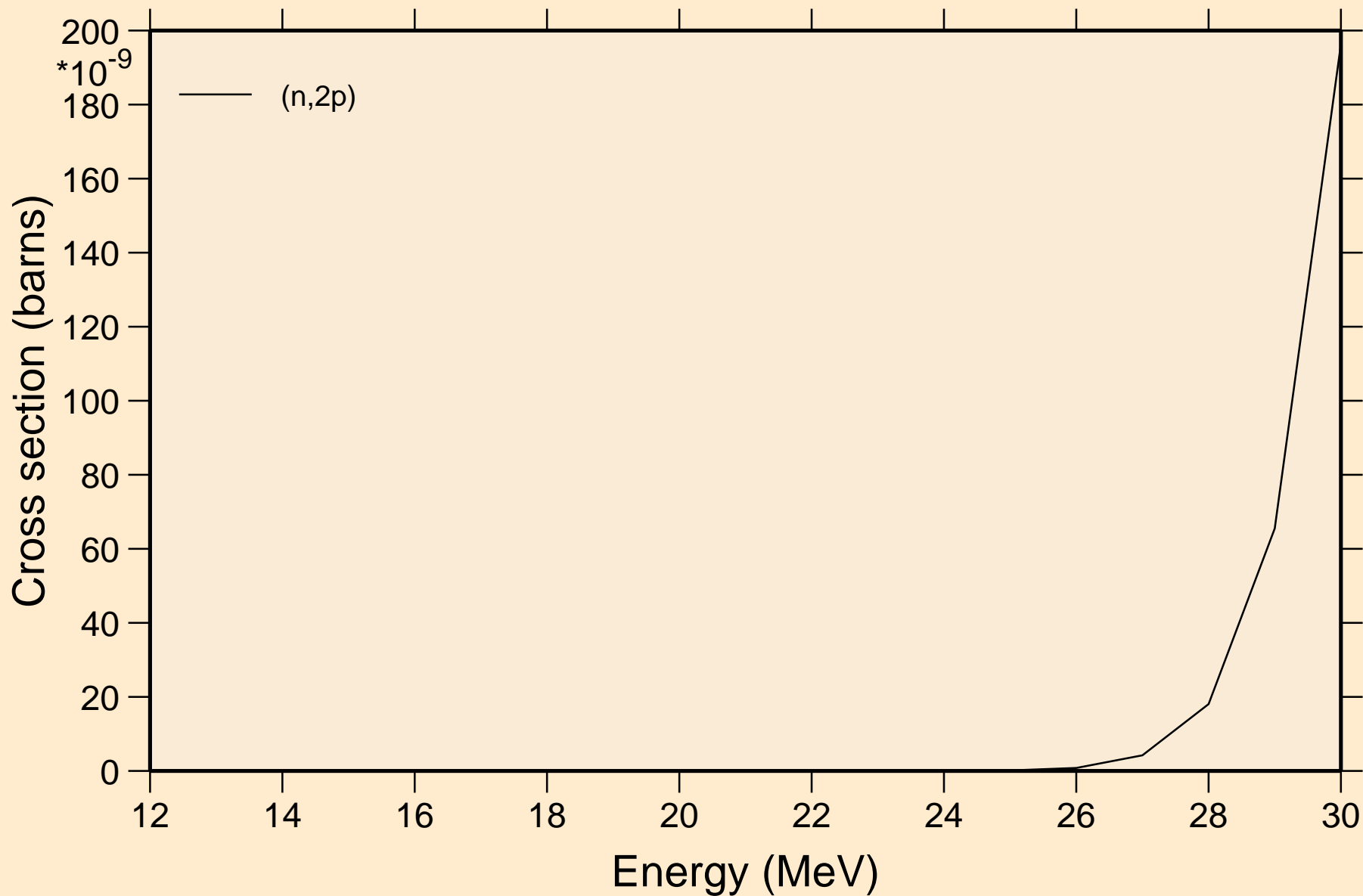
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



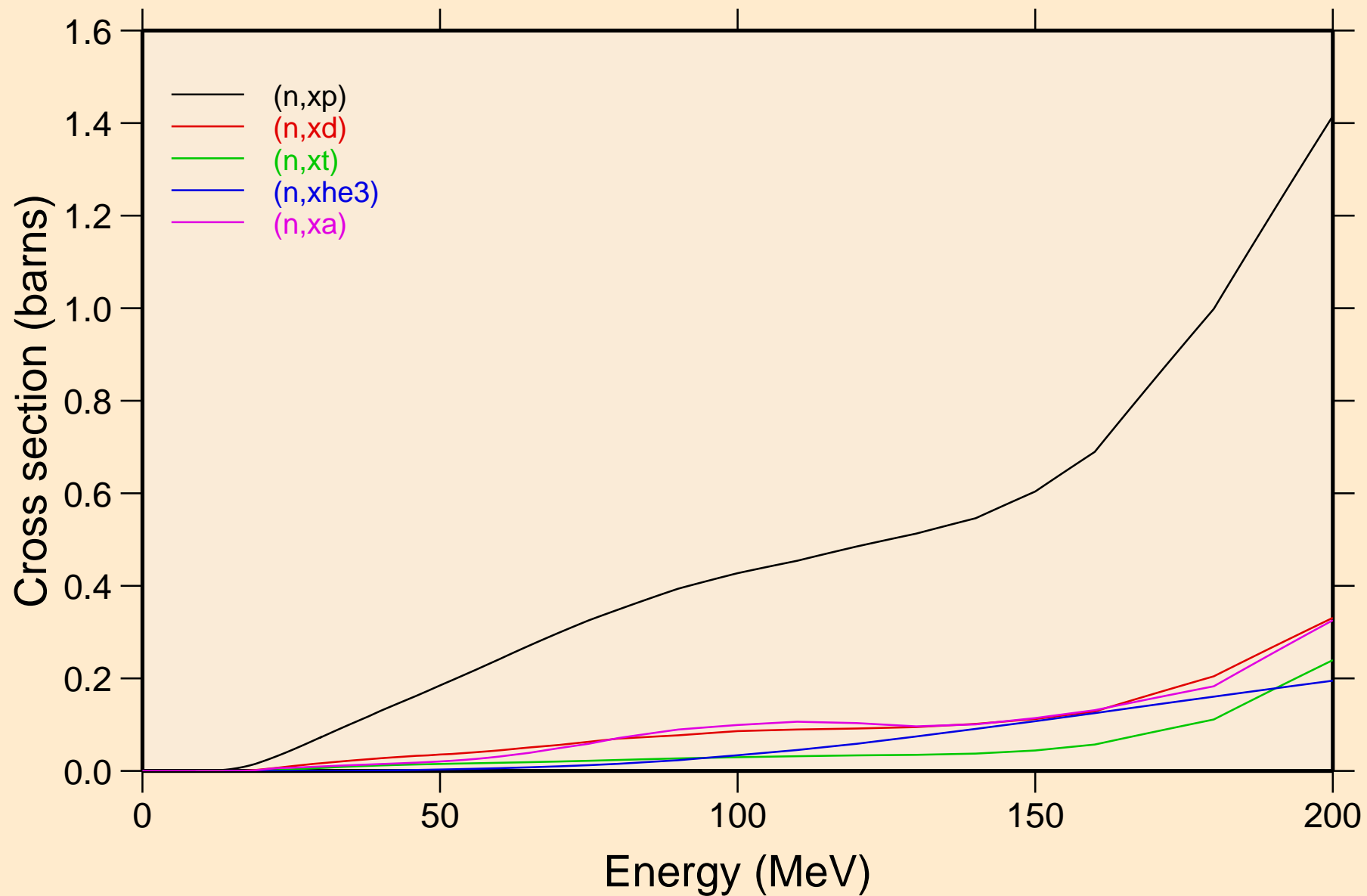


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

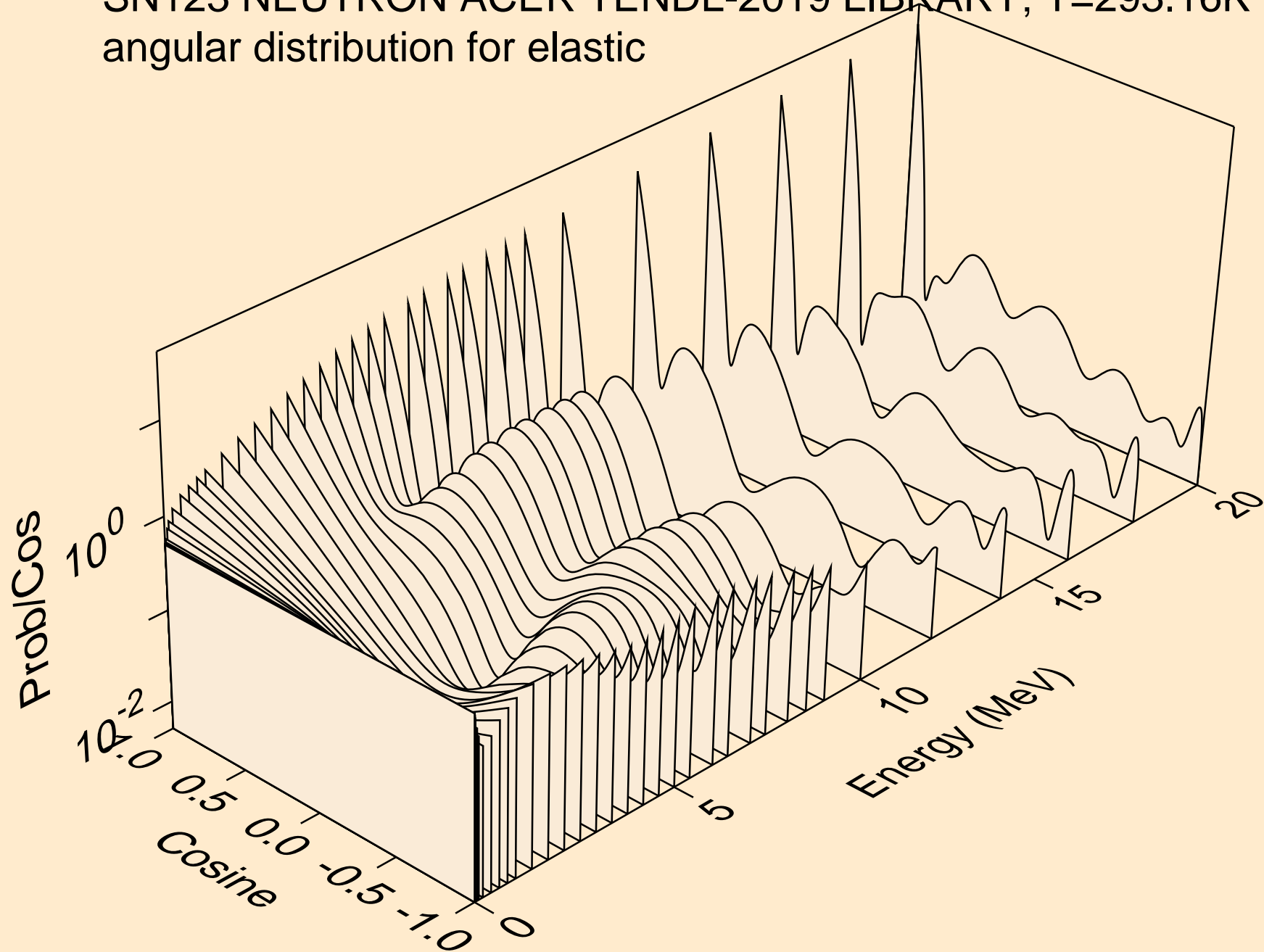


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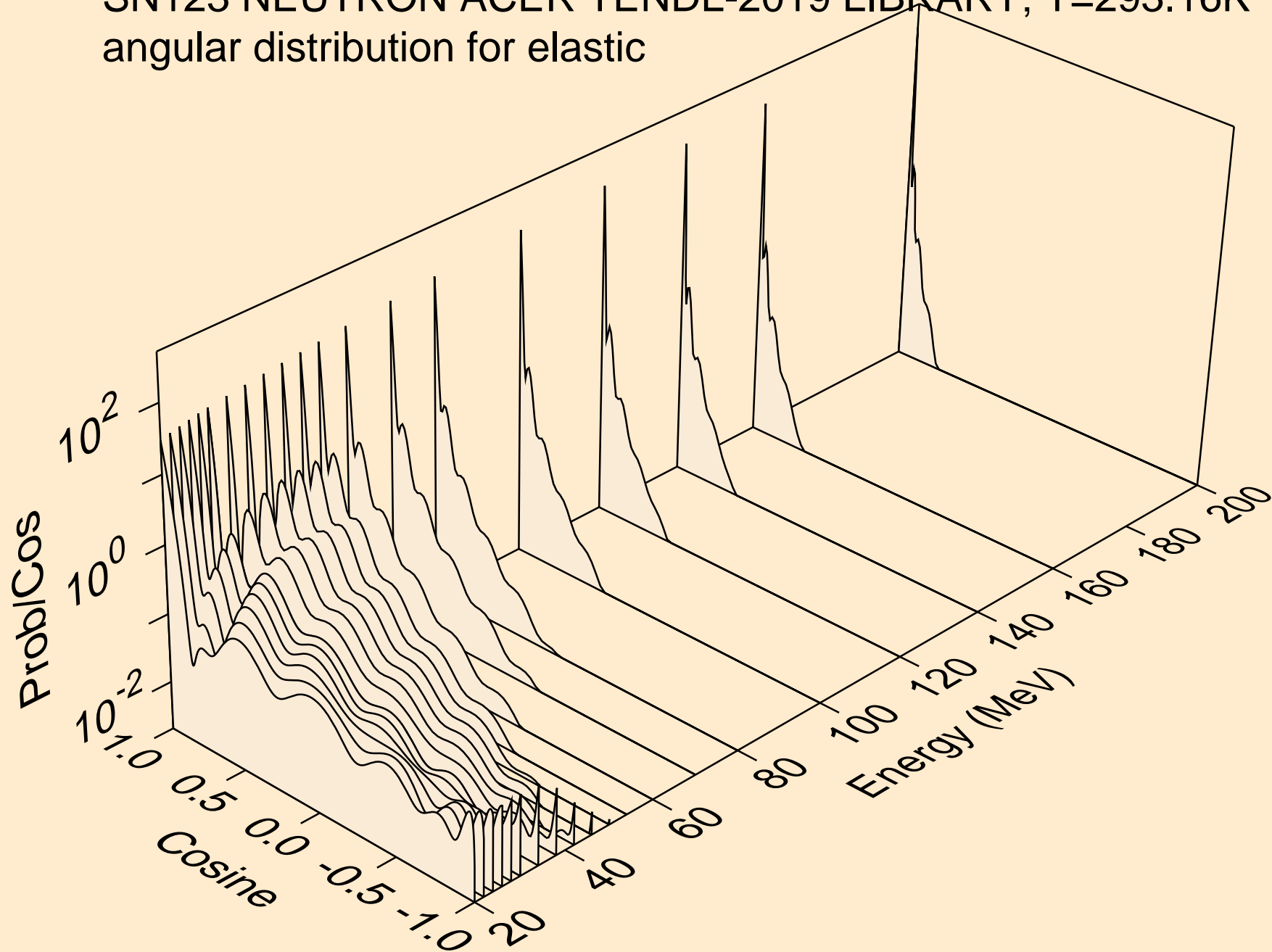
## Threshold reactions



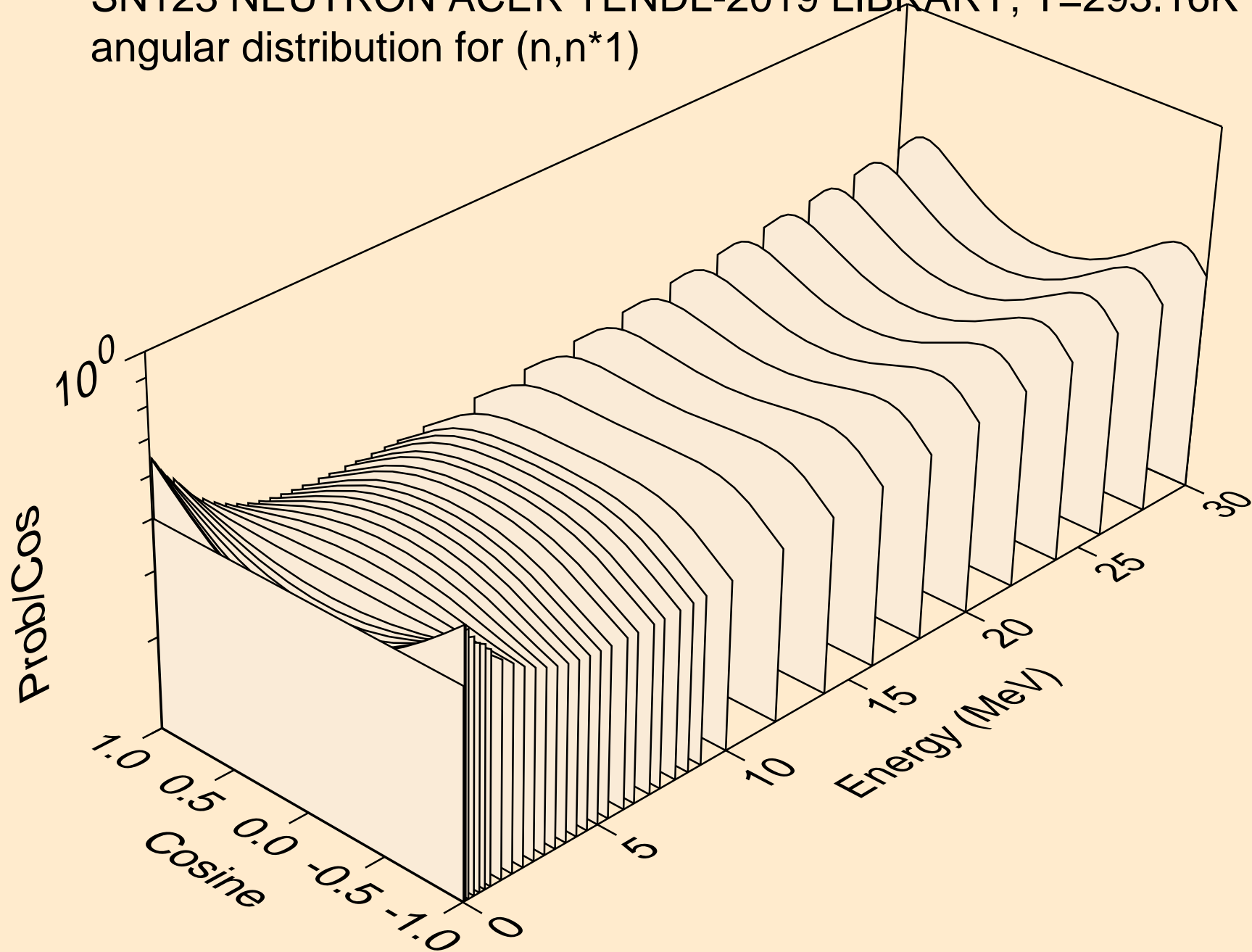
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



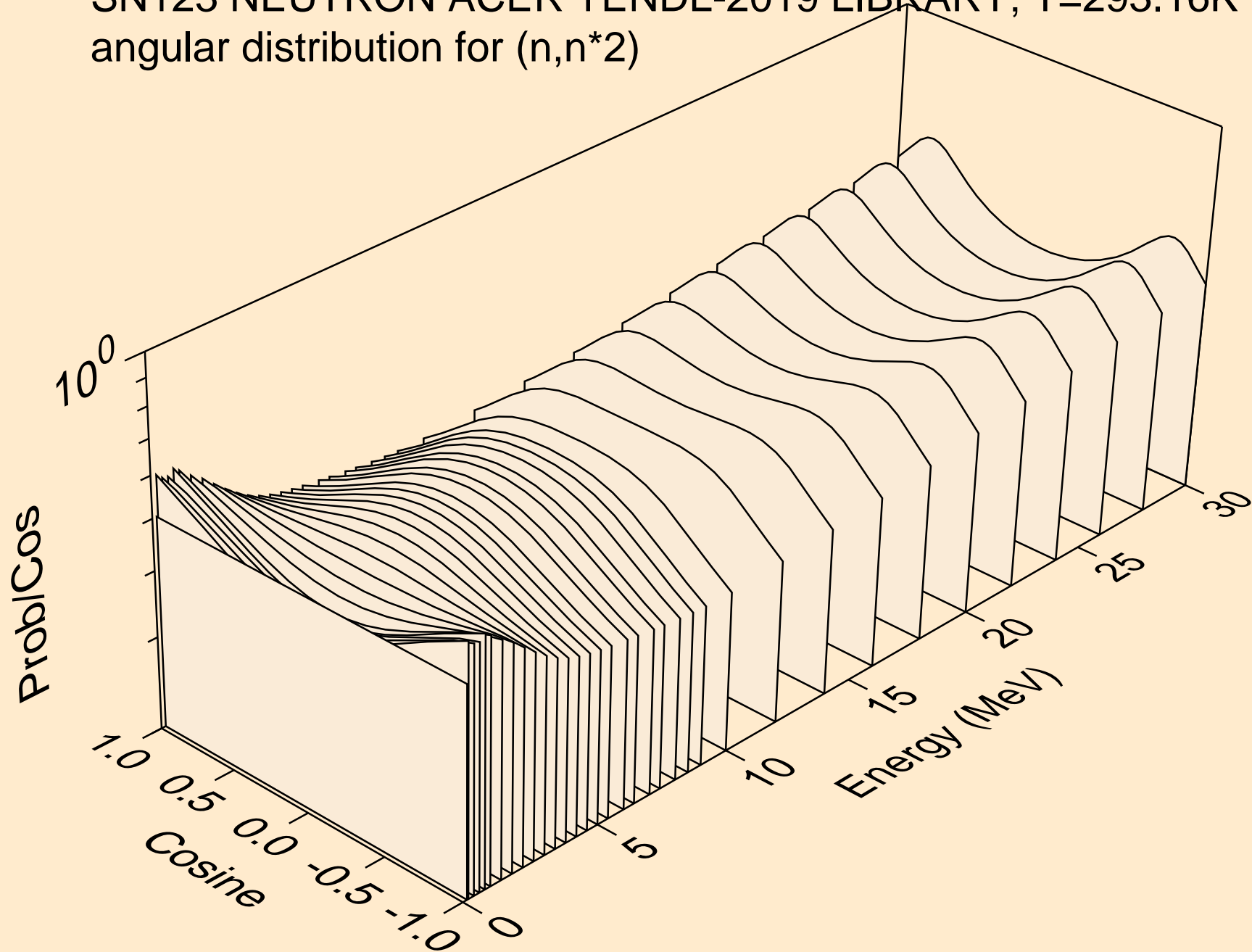
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



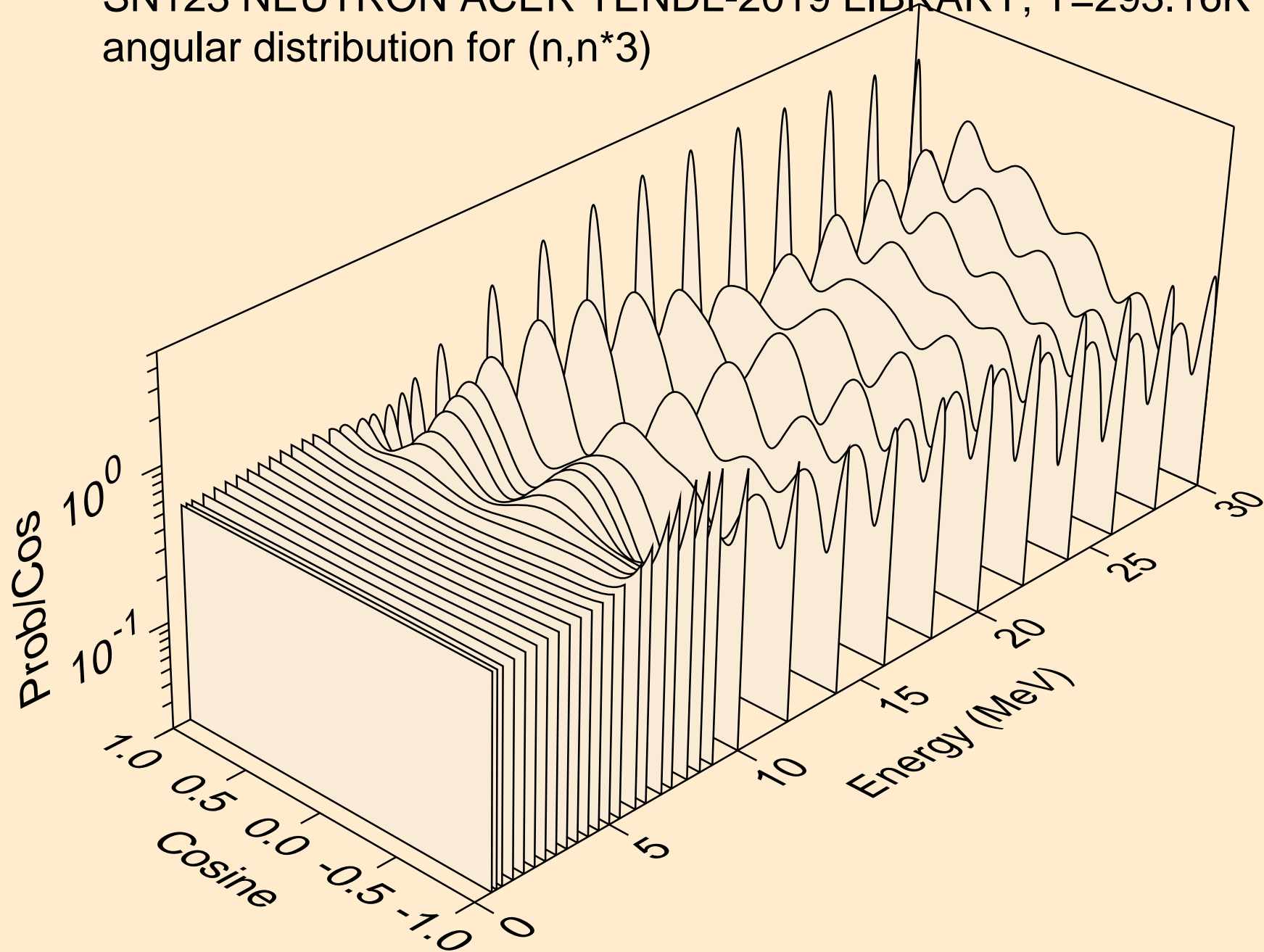
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angular distribution for (n,n\*1)



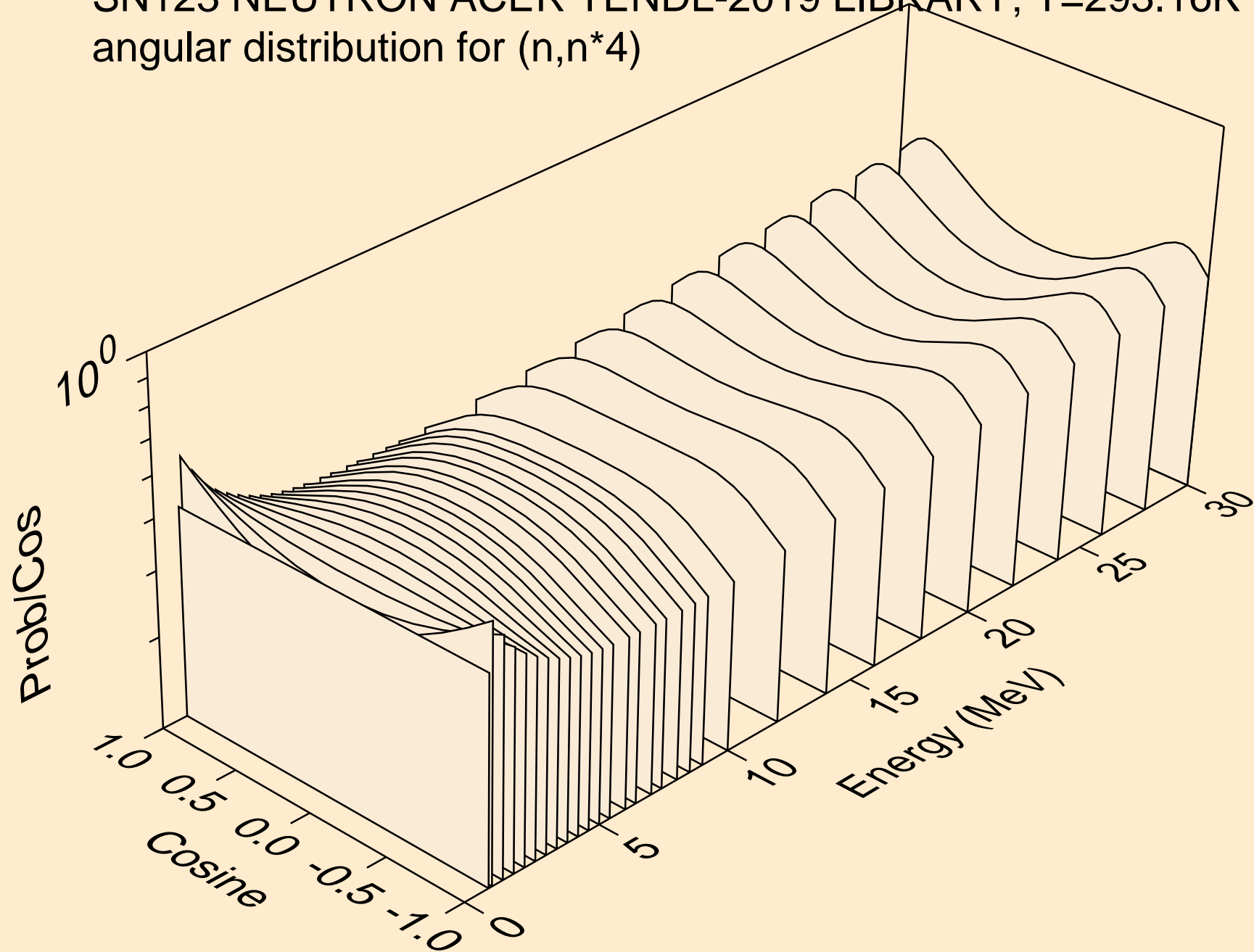
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

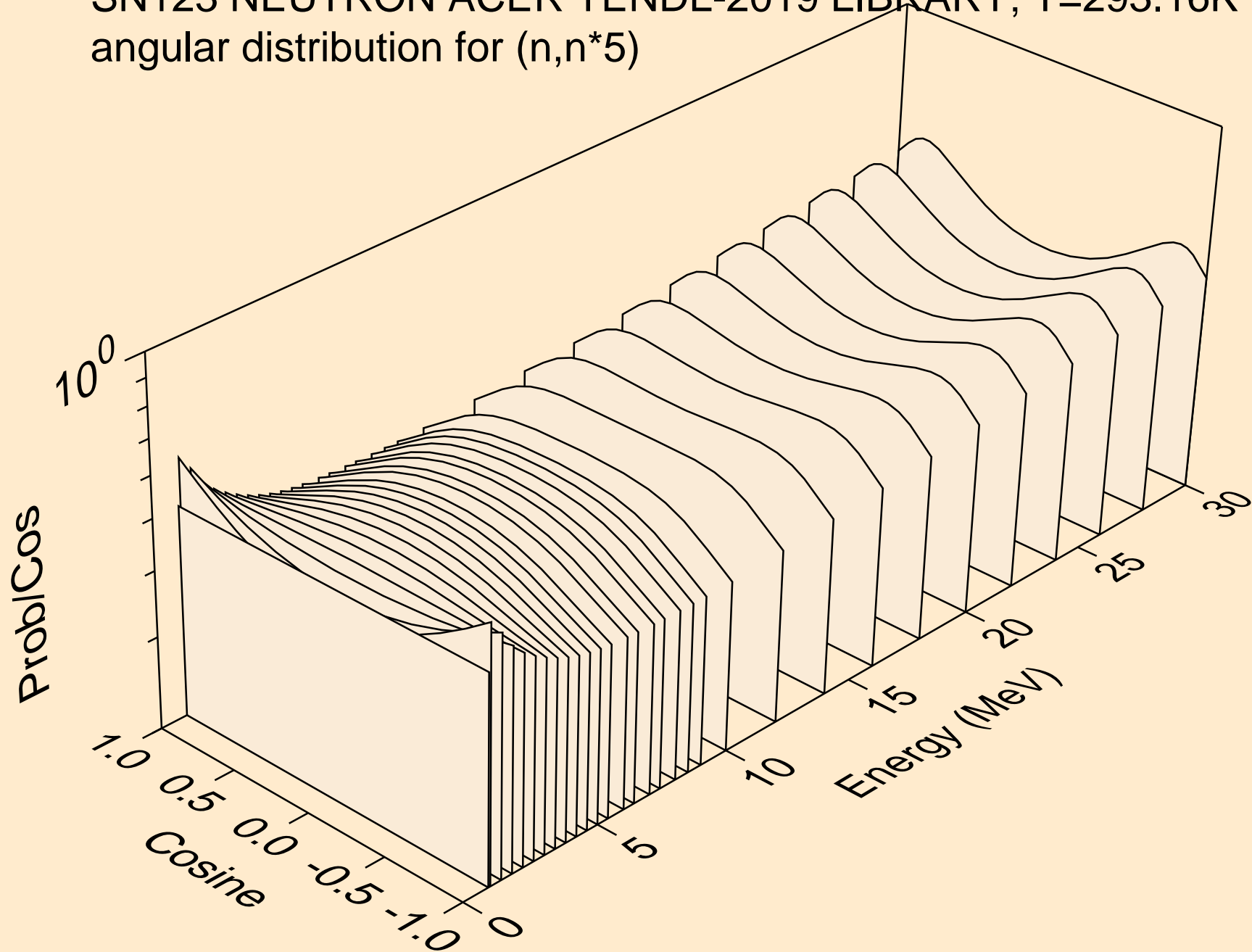


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angular distribution for (n,n\*4)

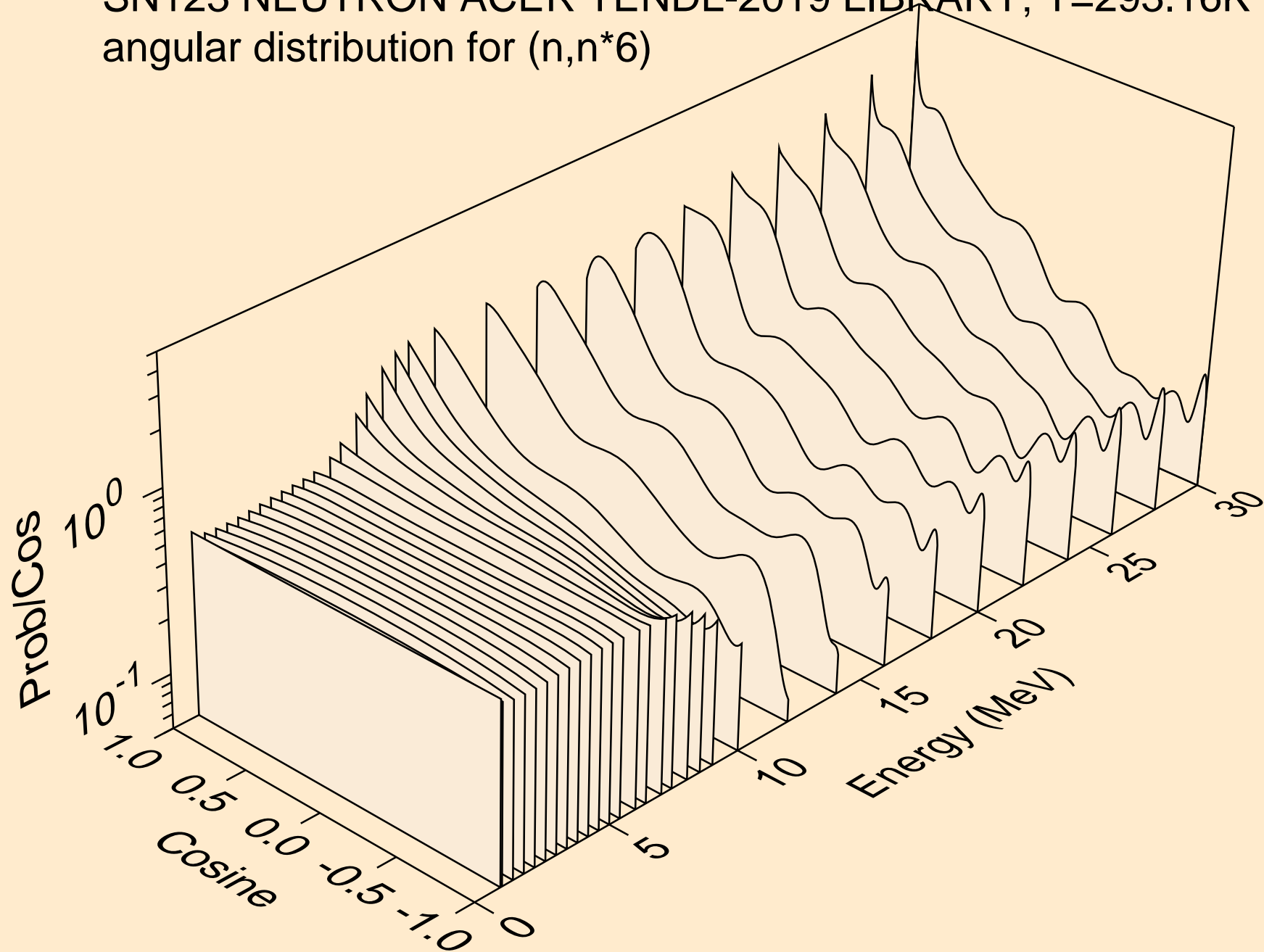




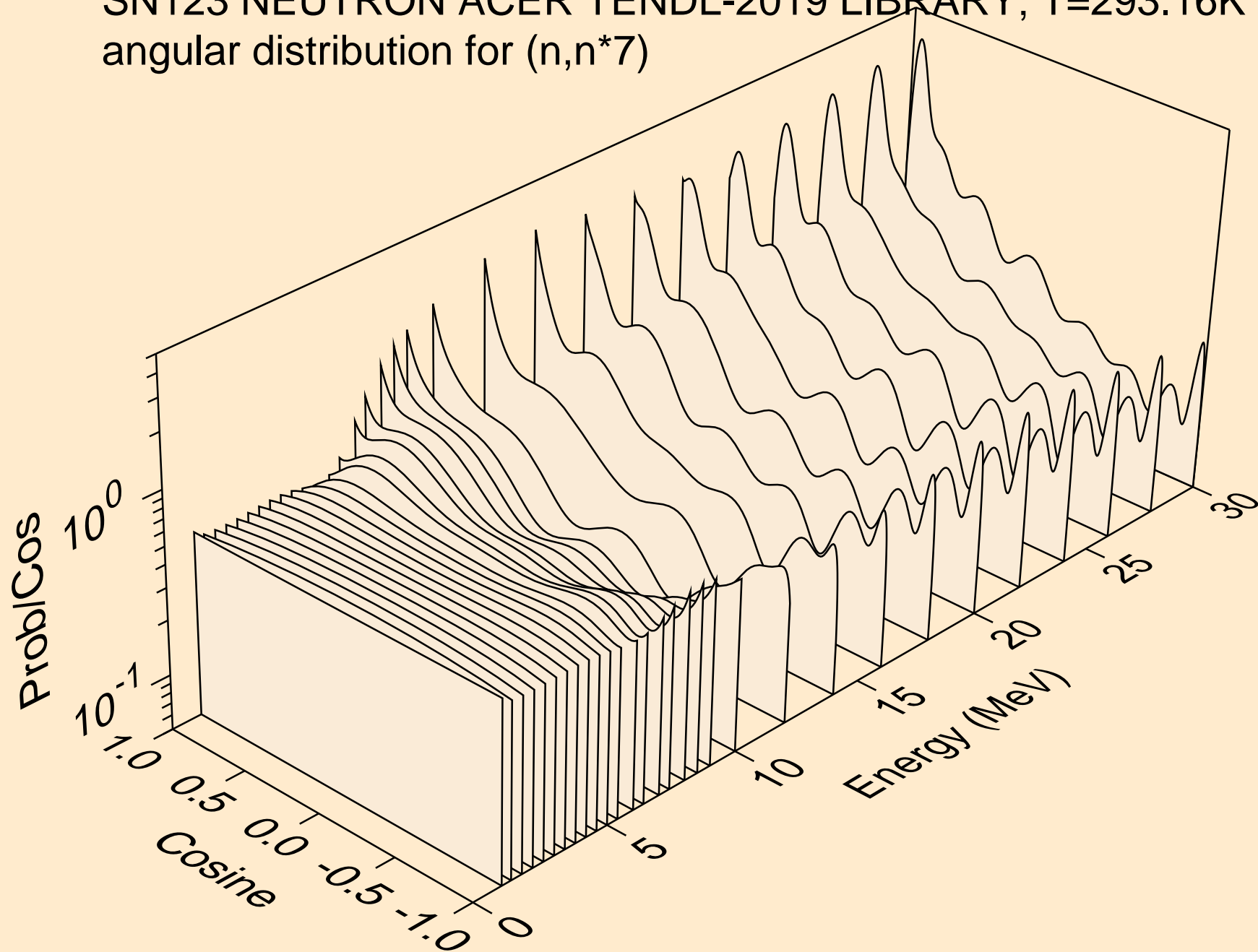
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angular distribution for (n,n\*5)



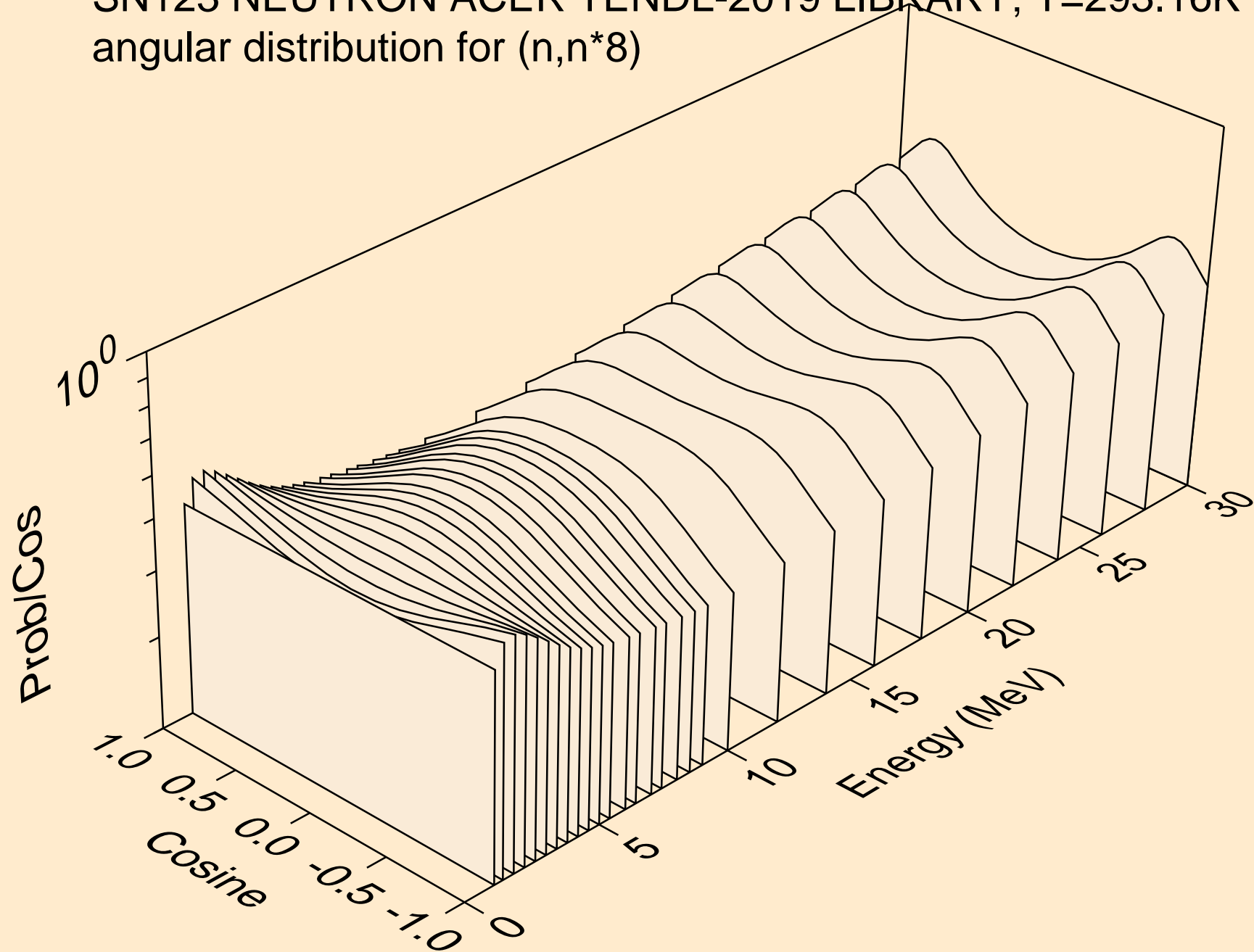
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angular distribution for (n,n\*6)



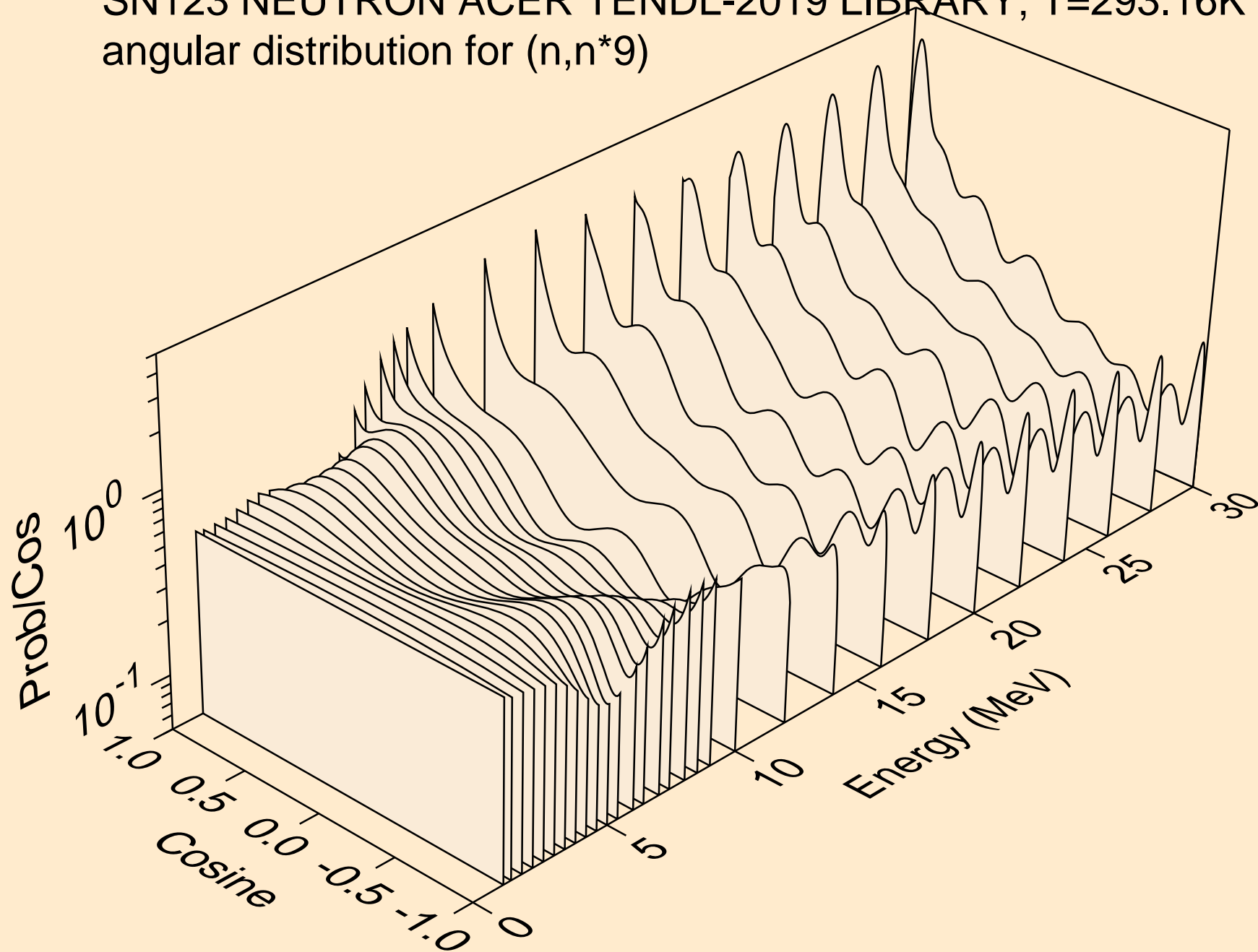
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angular distribution for (n,n\*7)



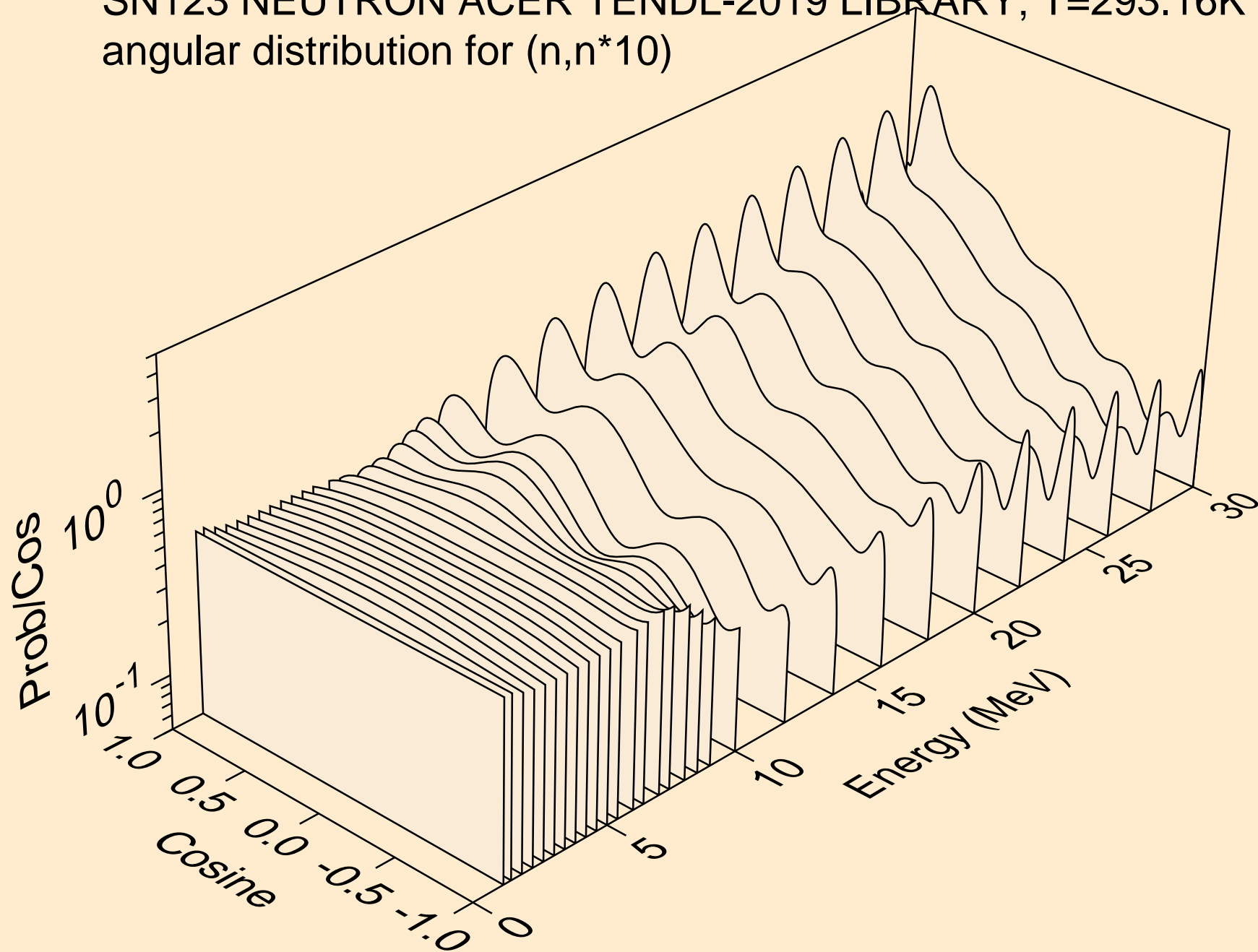
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angular distribution for (n,n\*8)



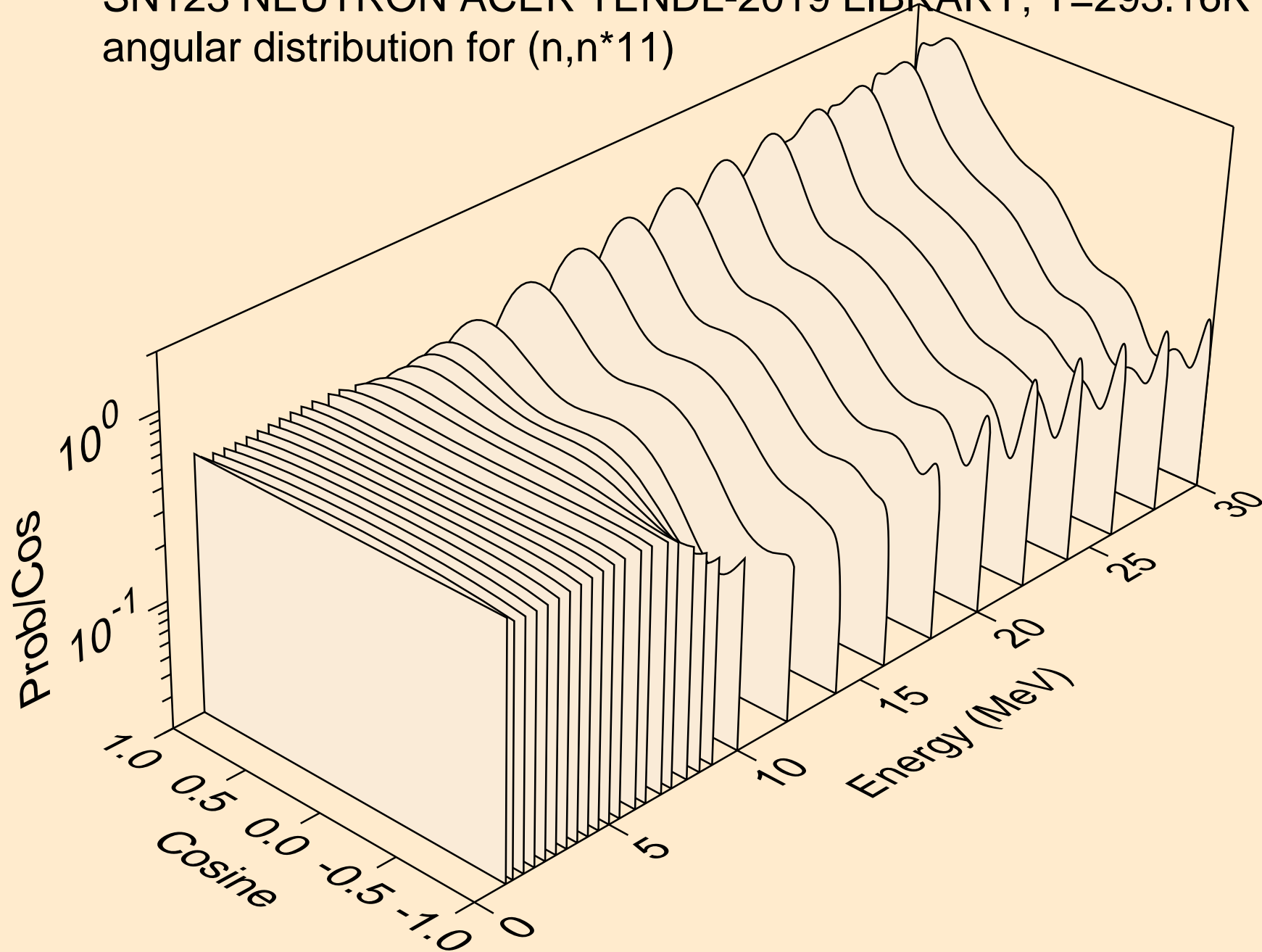
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angular distribution for (n,n\*9)



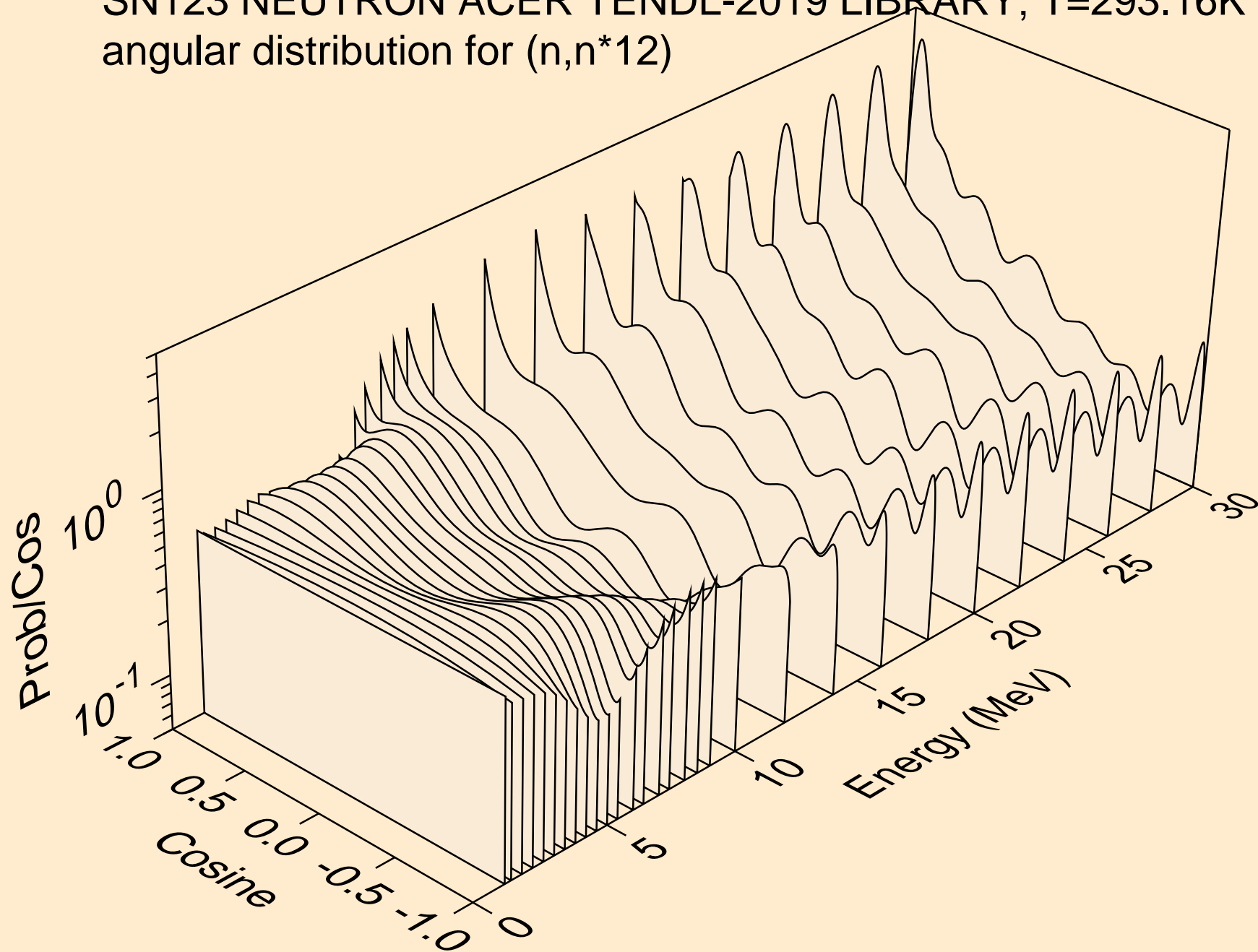
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

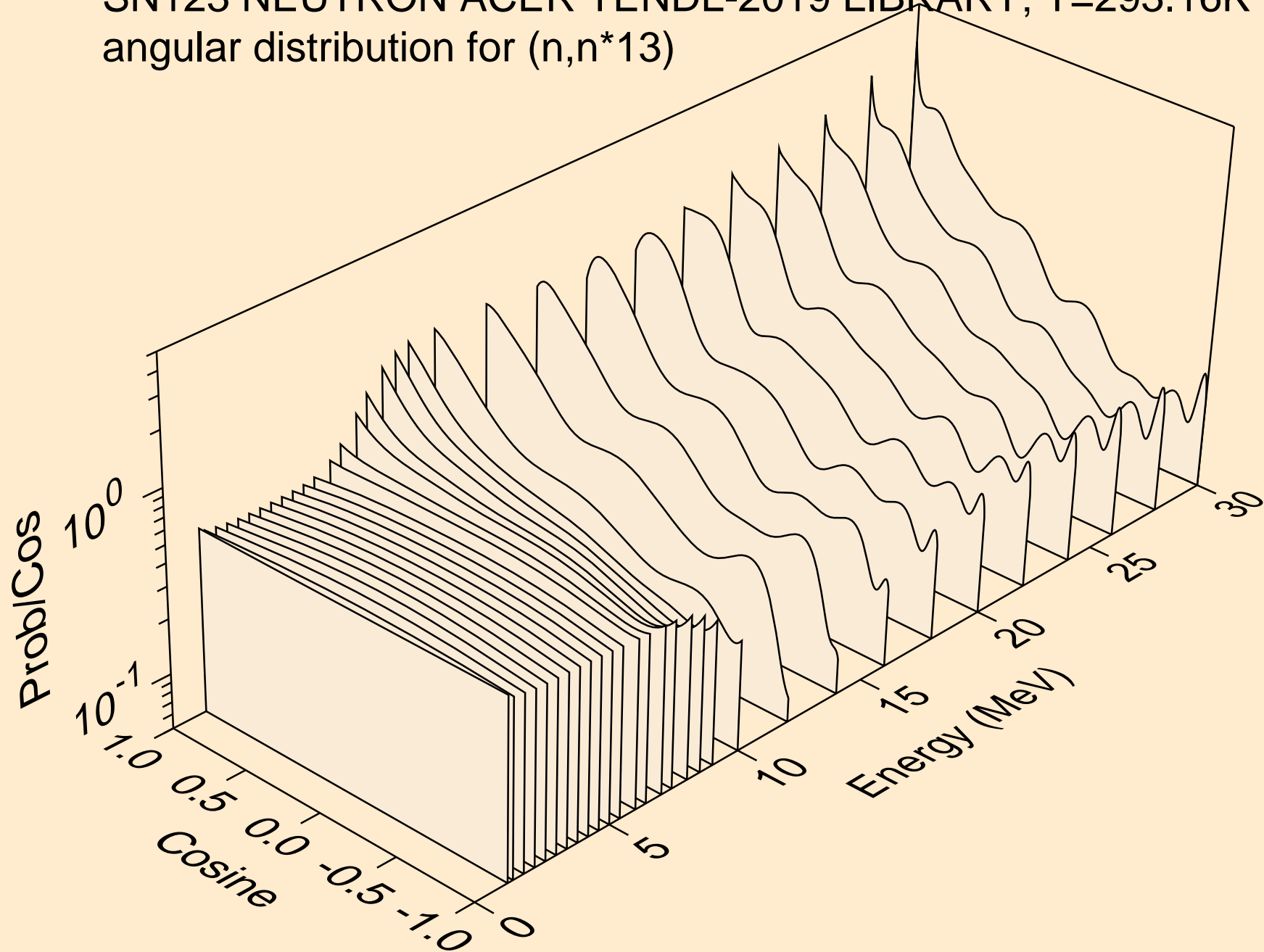


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angular distribution for (n,n\*12)

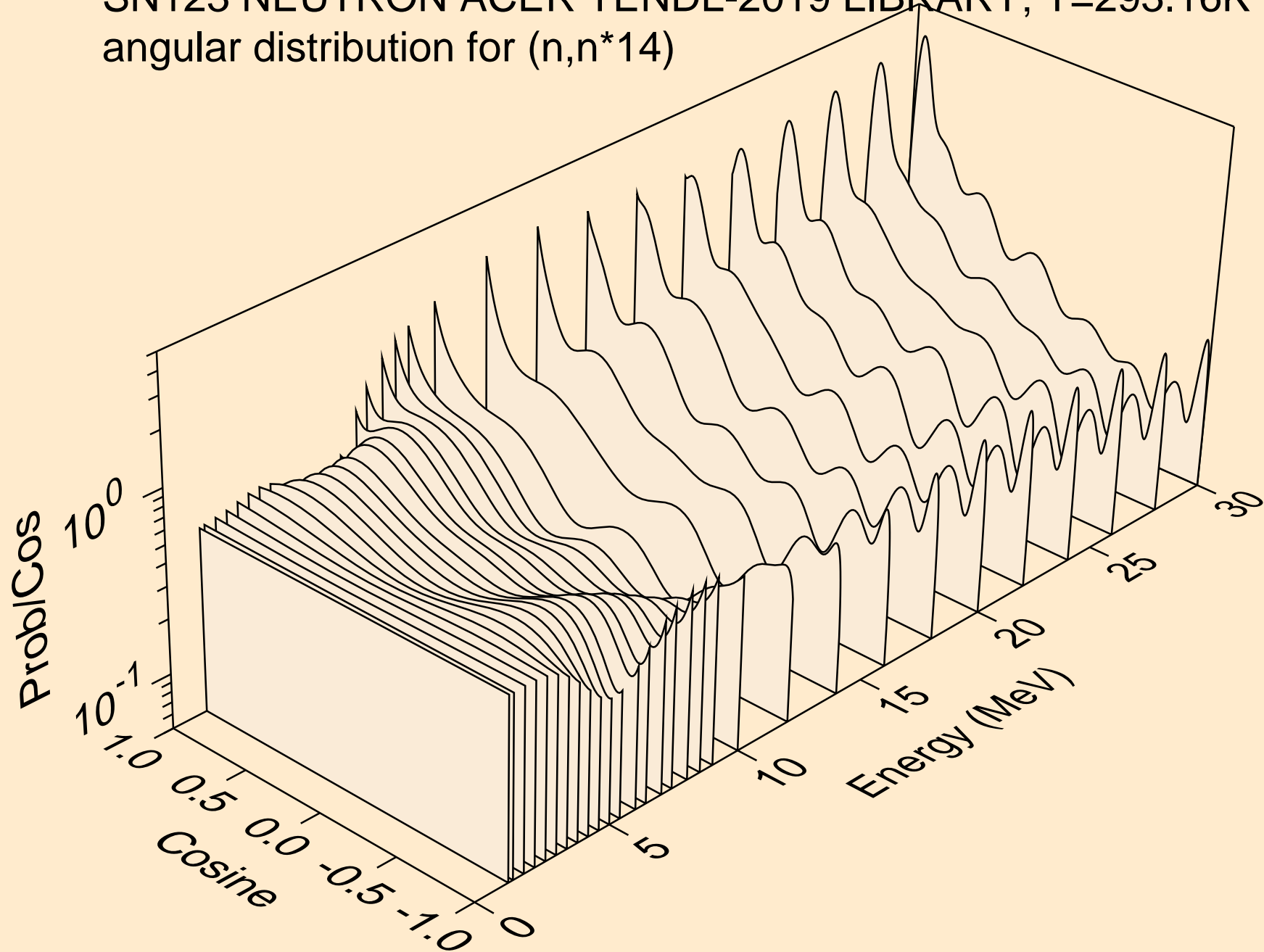




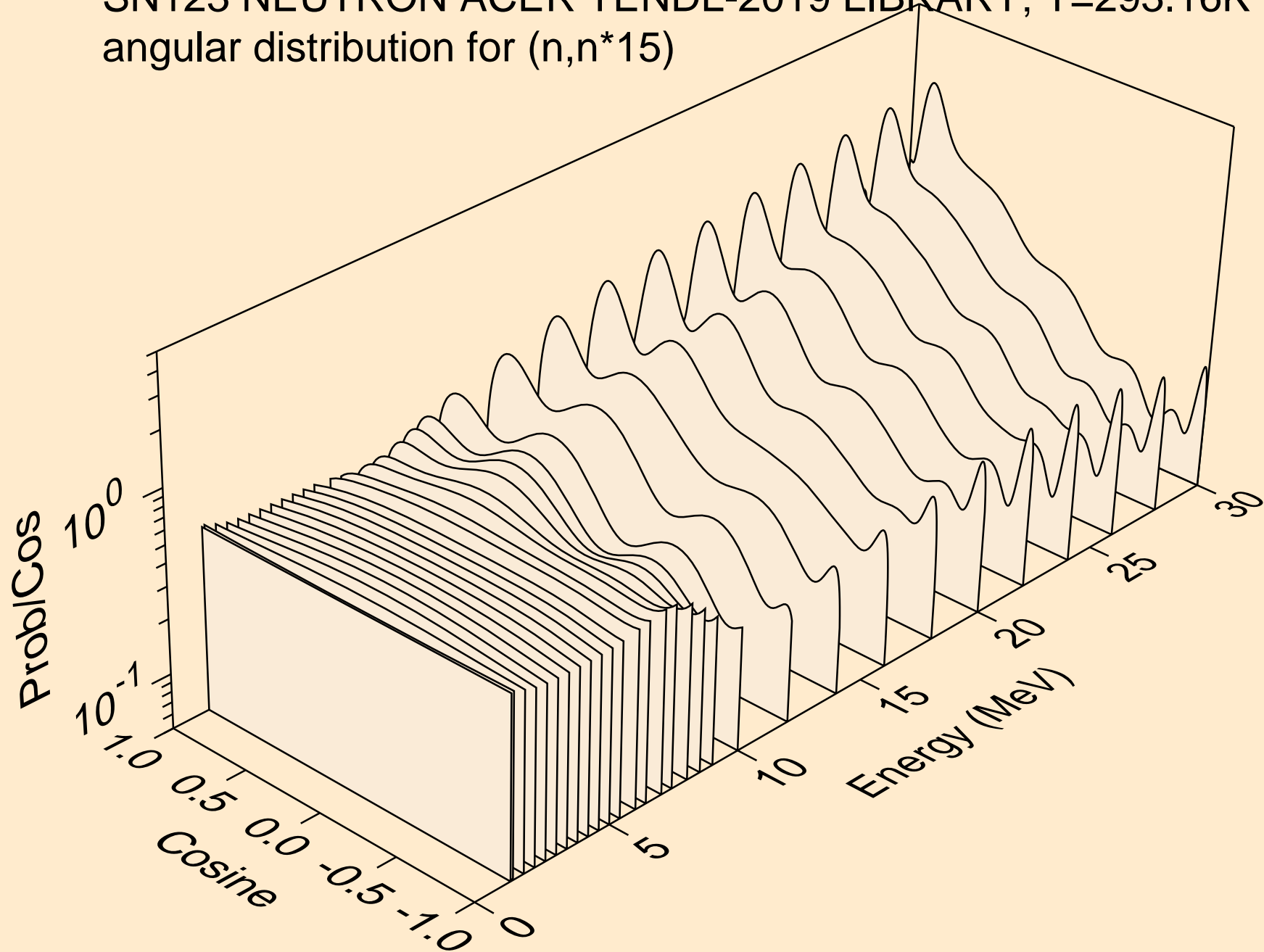
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angular distribution for (n,n\*13)



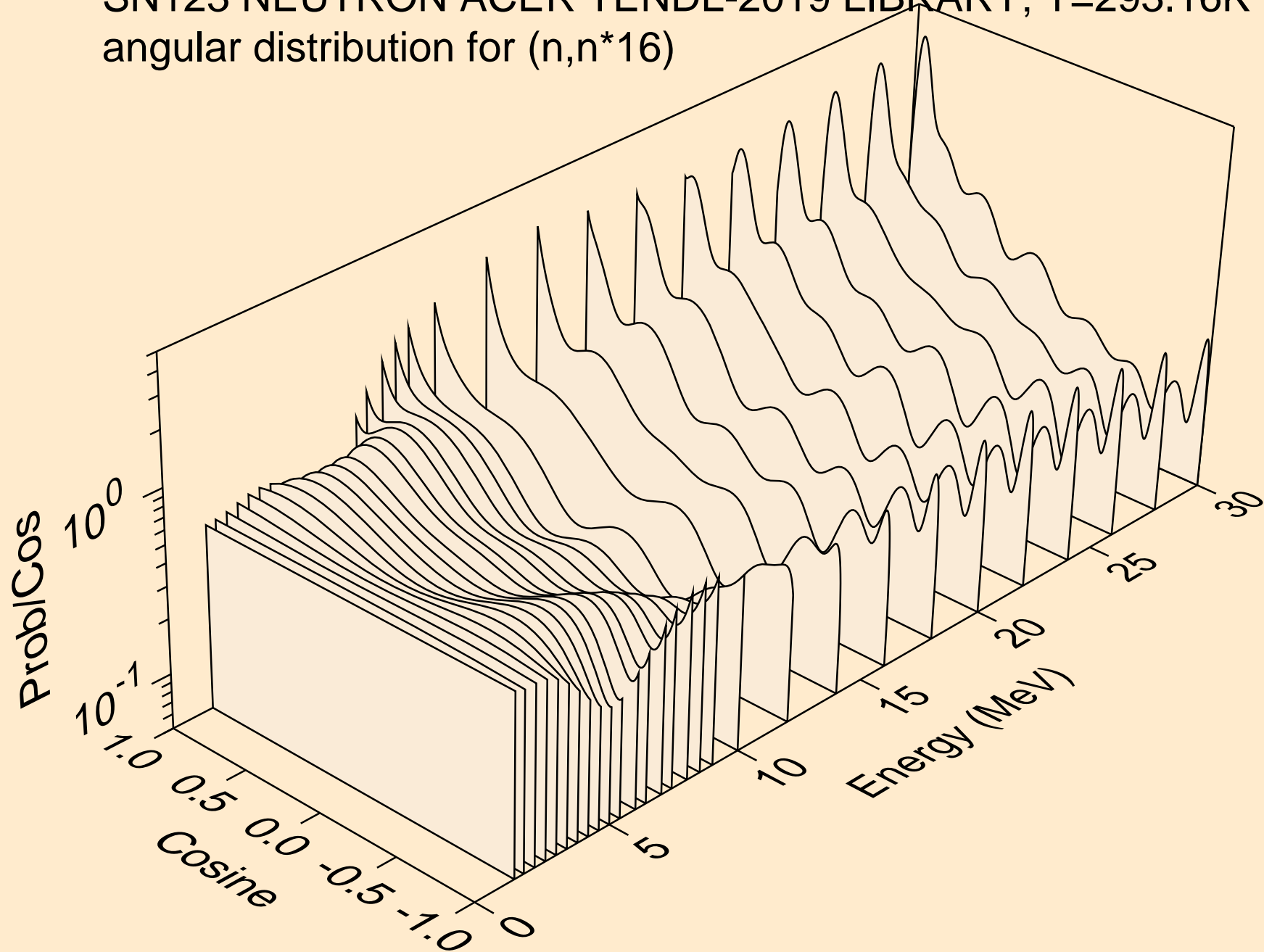
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angular distribution for (n,n\*14)



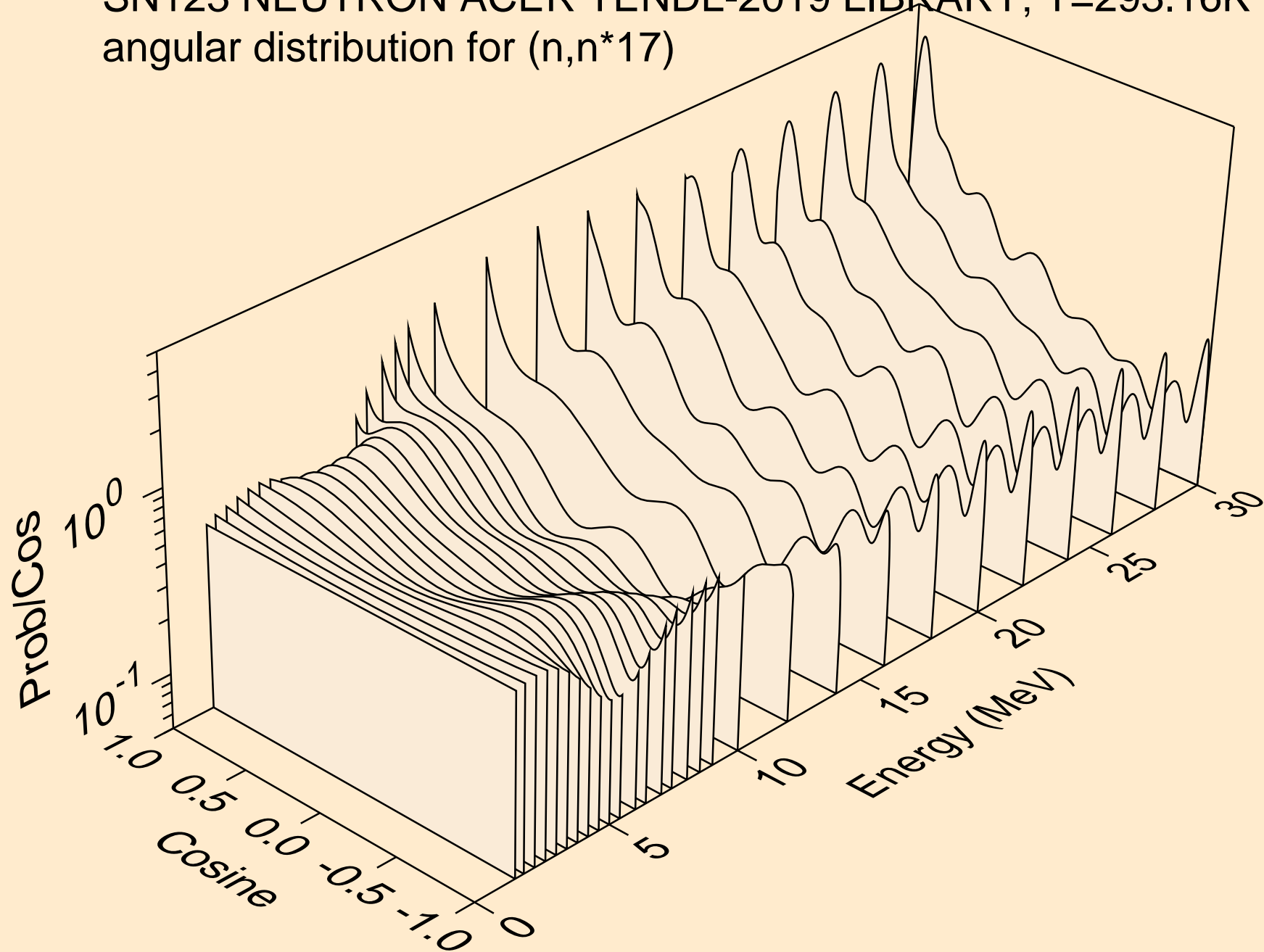
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angular distribution for (n,n\*15)



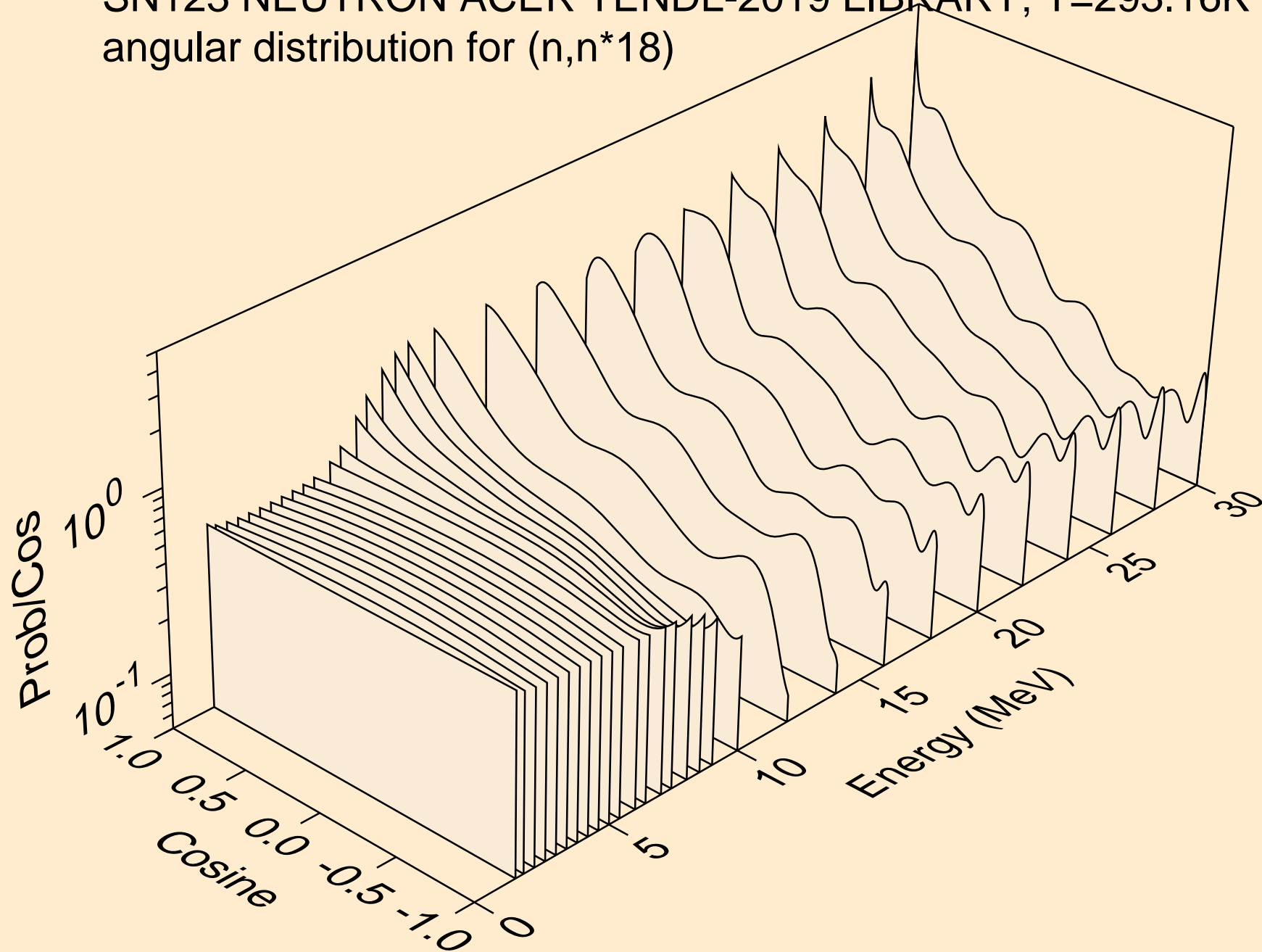
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angular distribution for (n,n\*16)



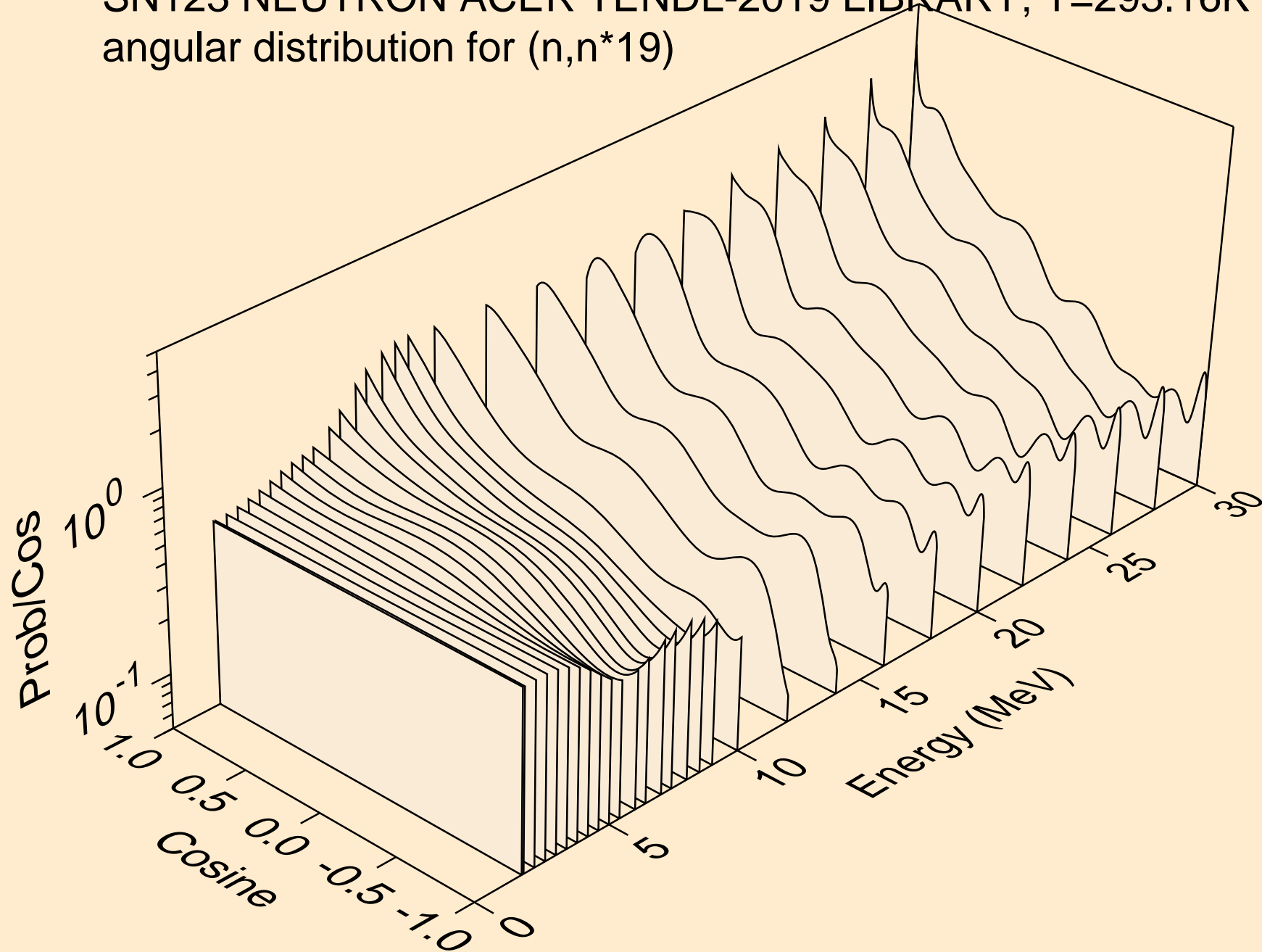
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angular distribution for (n,n\*17)



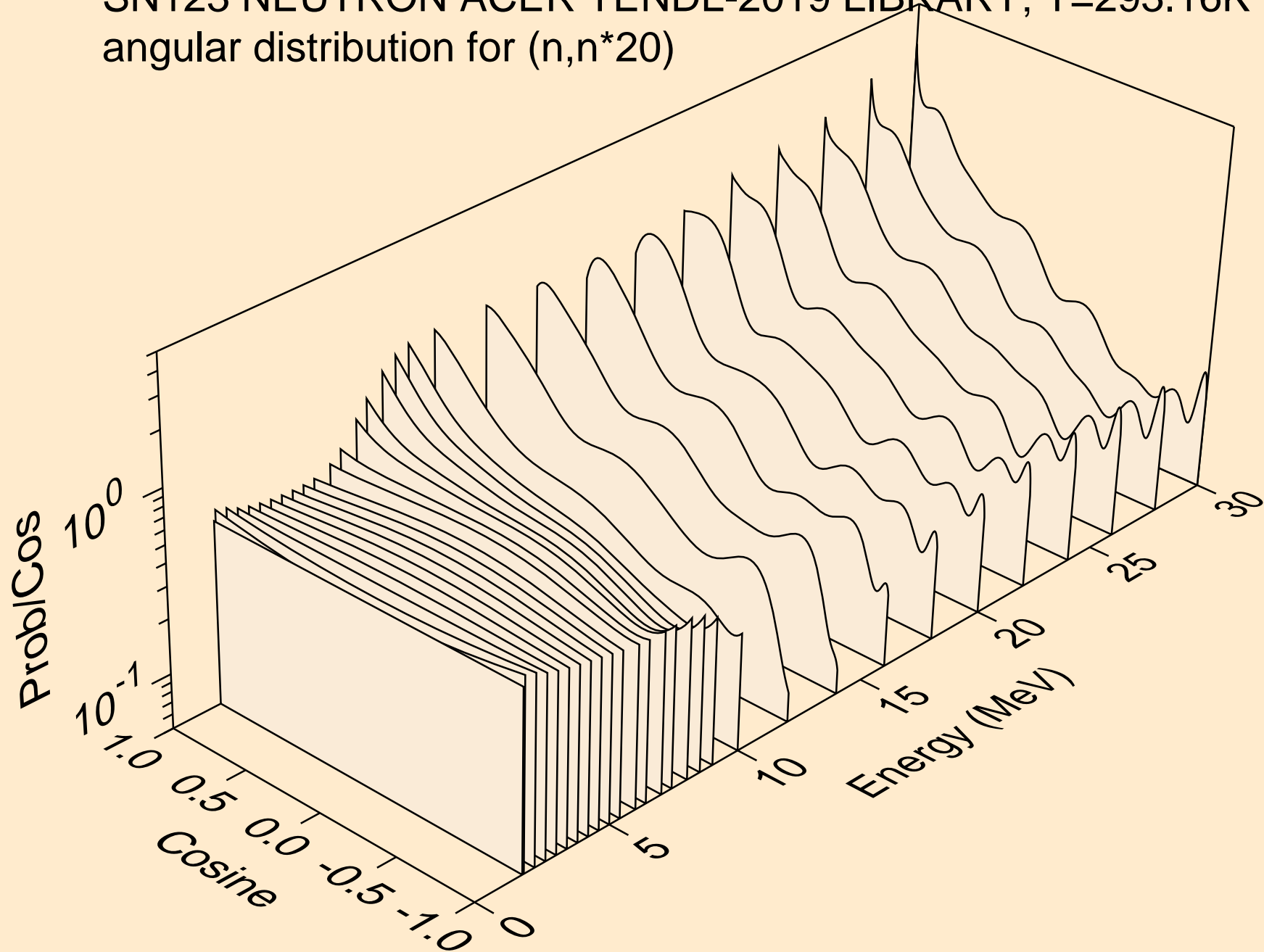
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

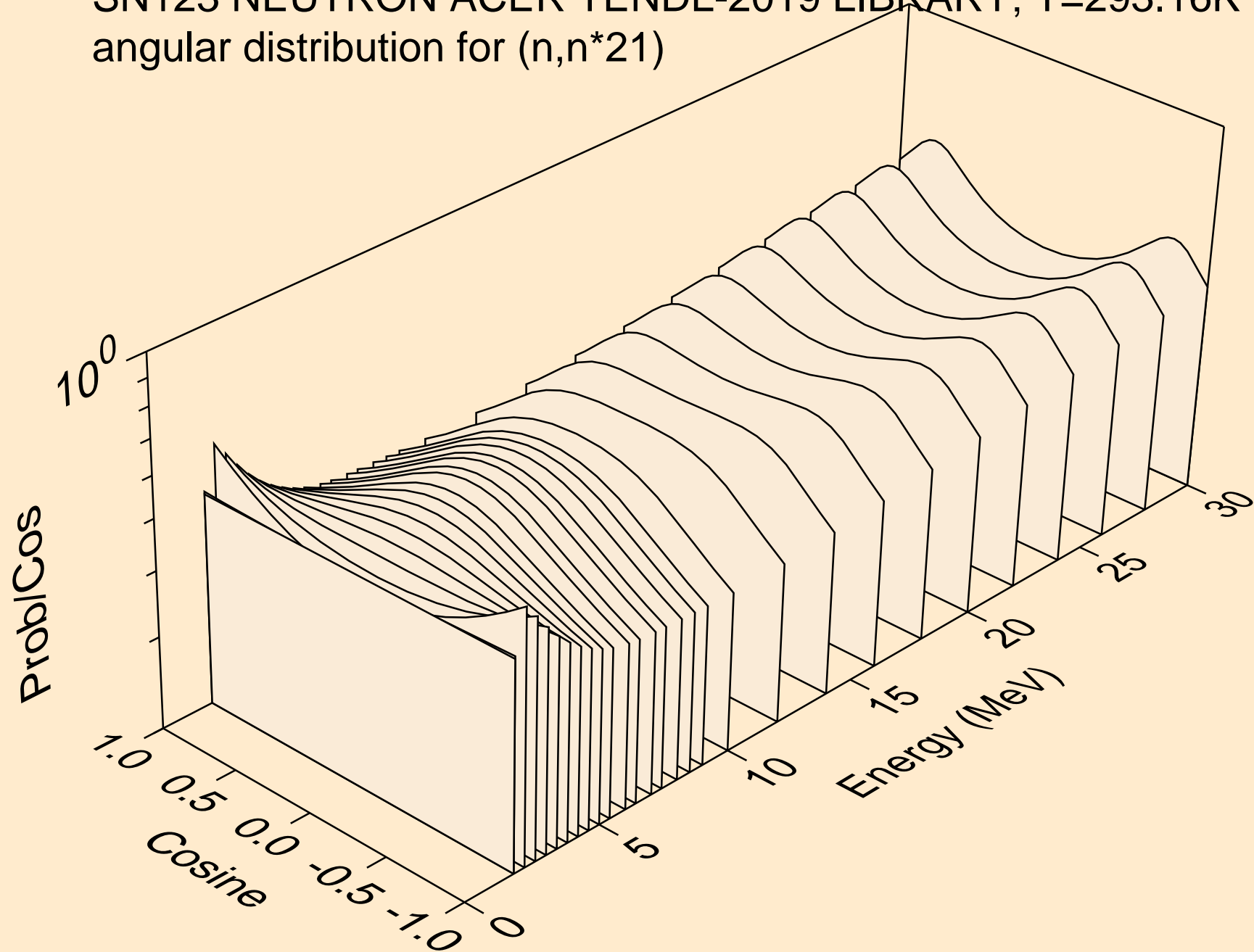


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

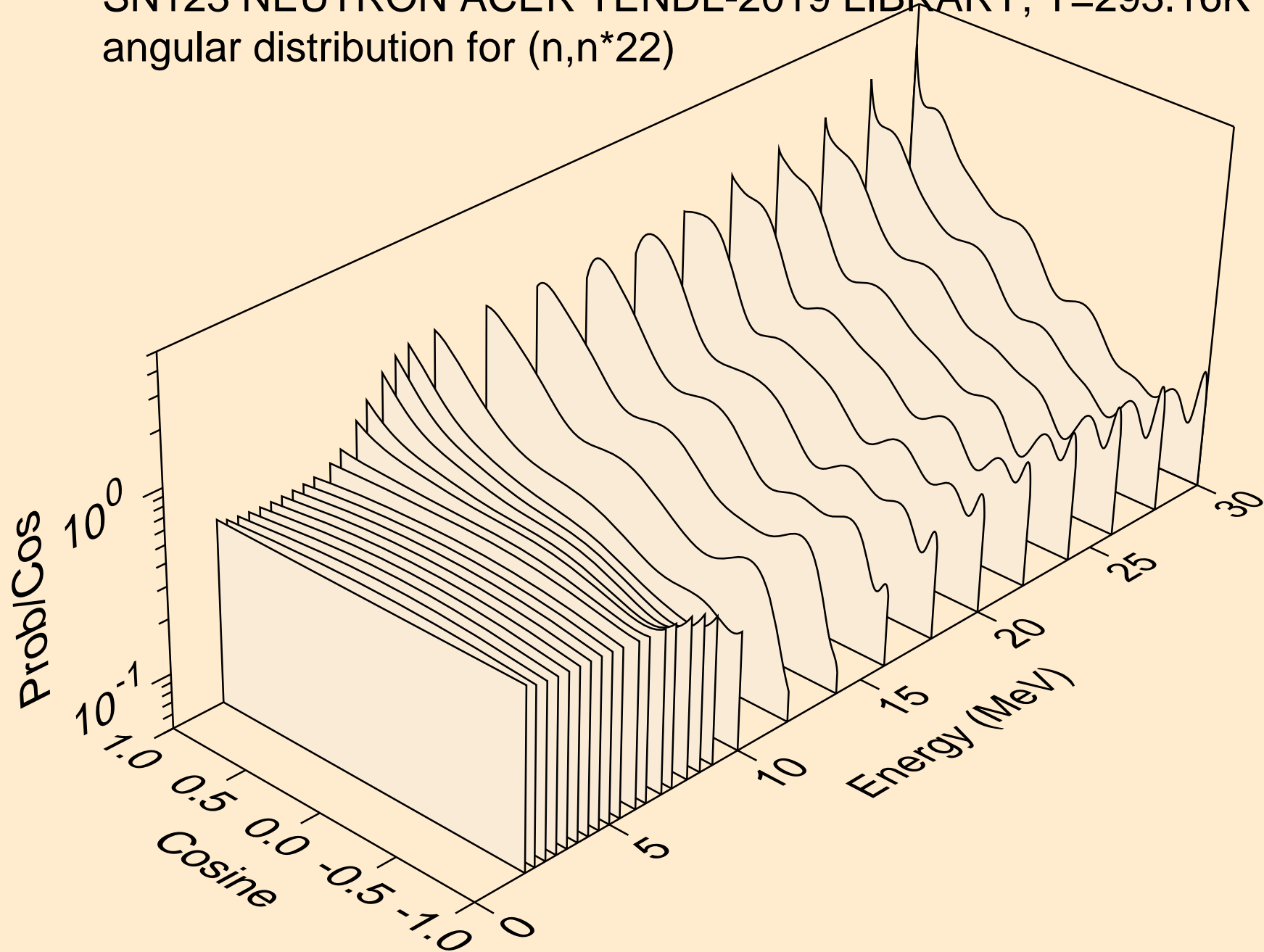




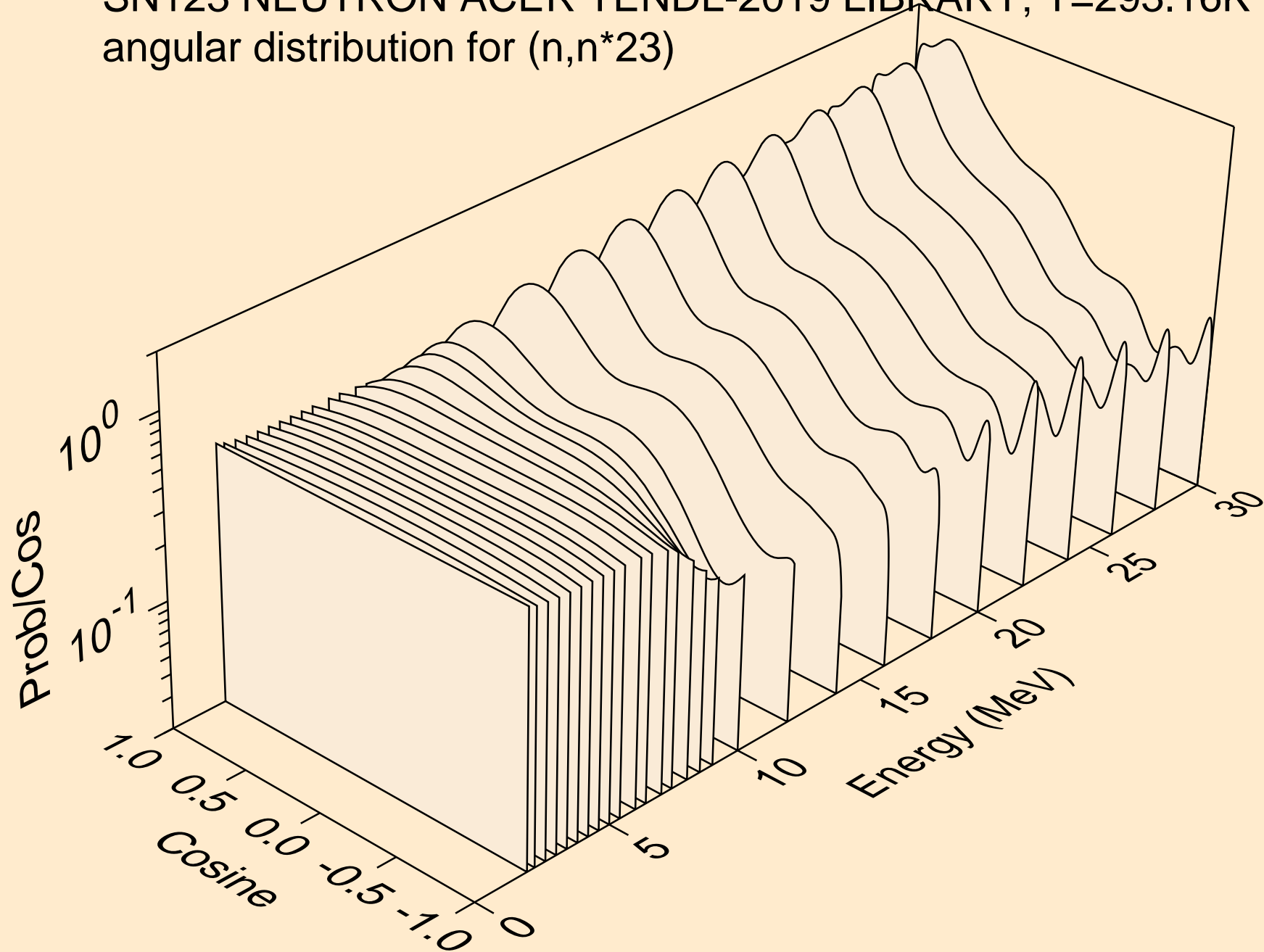
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angular distribution for (n,n\*21)



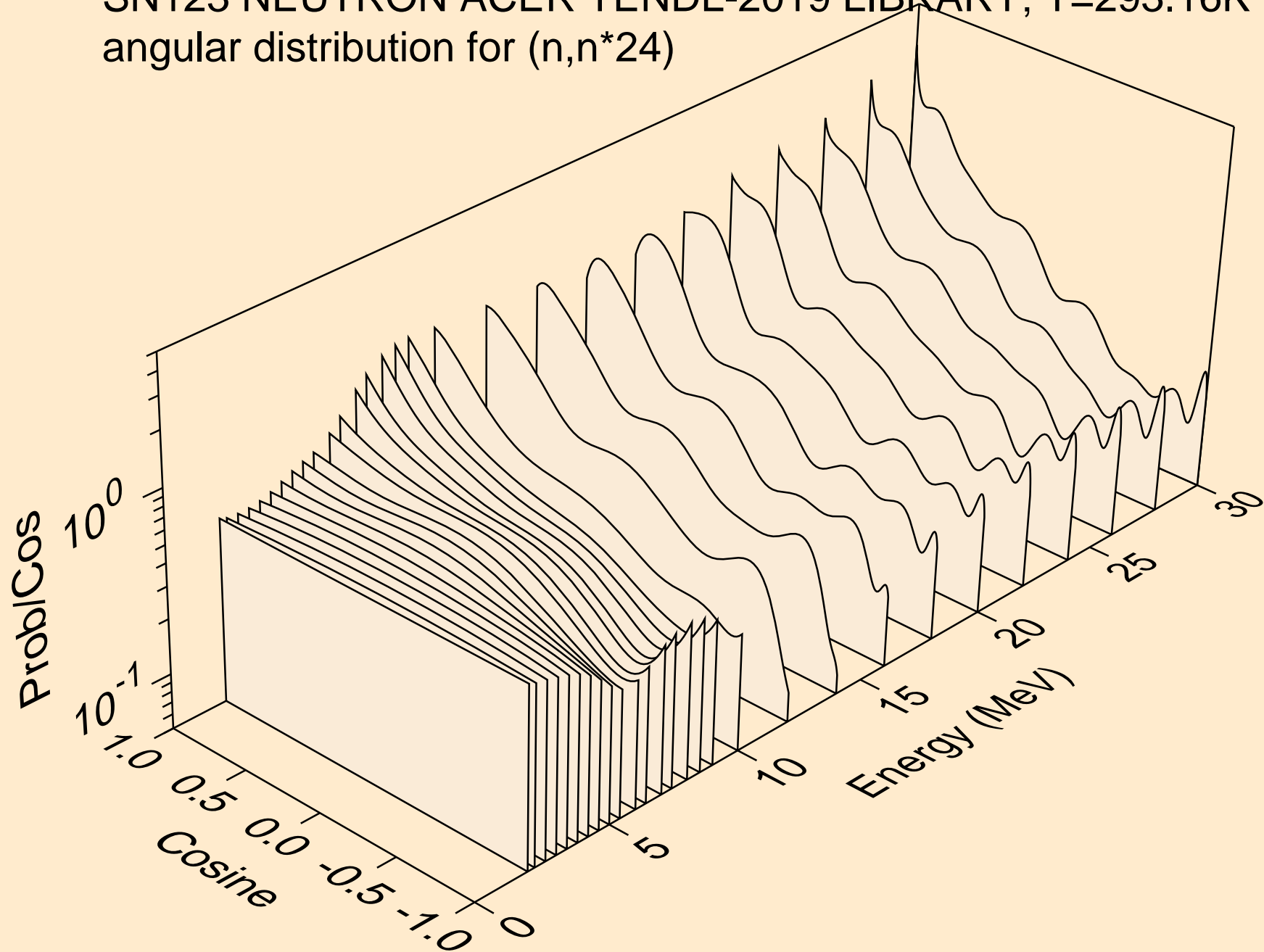
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angular distribution for (n,n\*22)



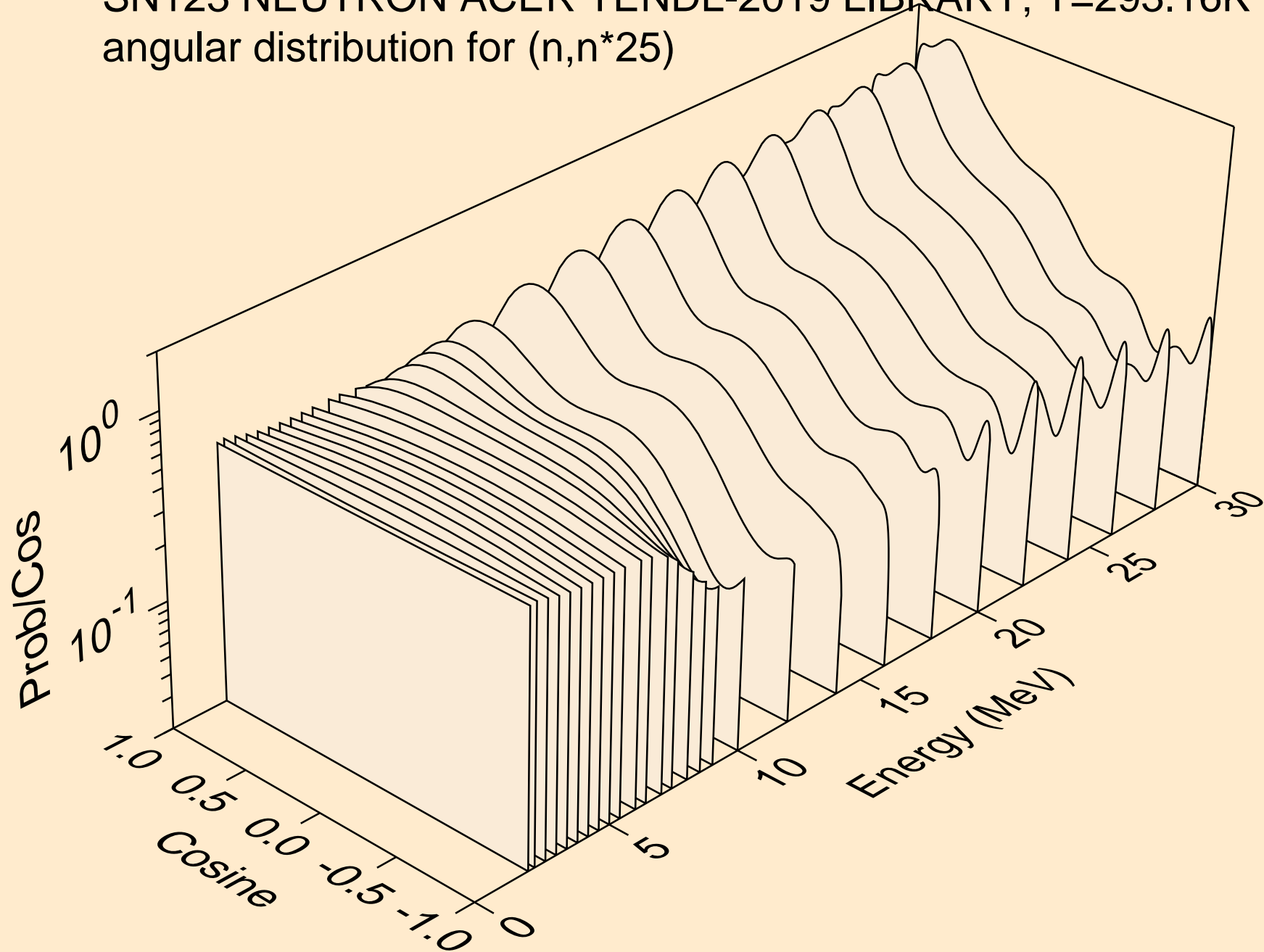
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angular distribution for (n,n\*23)



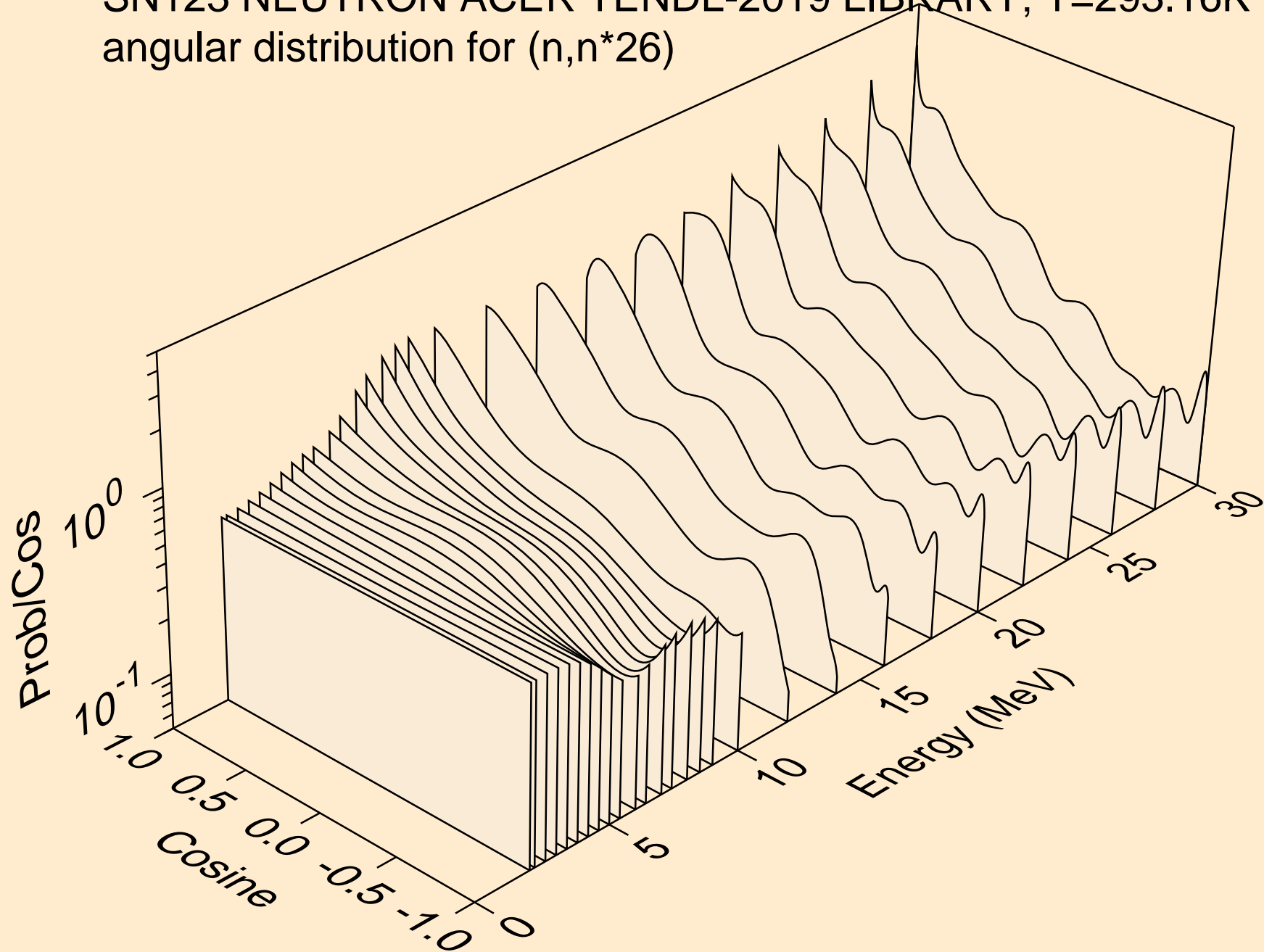
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angular distribution for (n,n\*24)



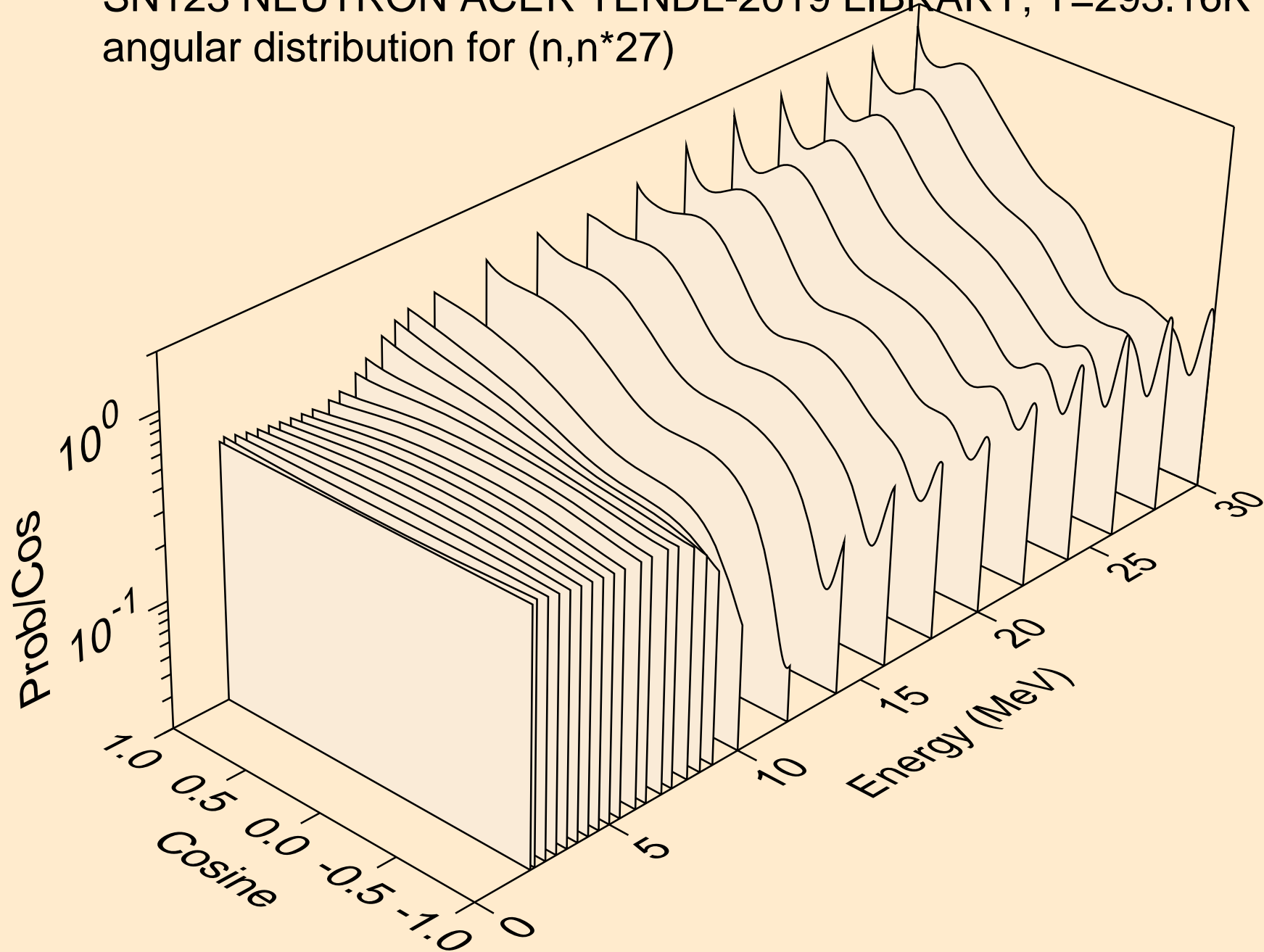
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angular distribution for (n,n\*25)



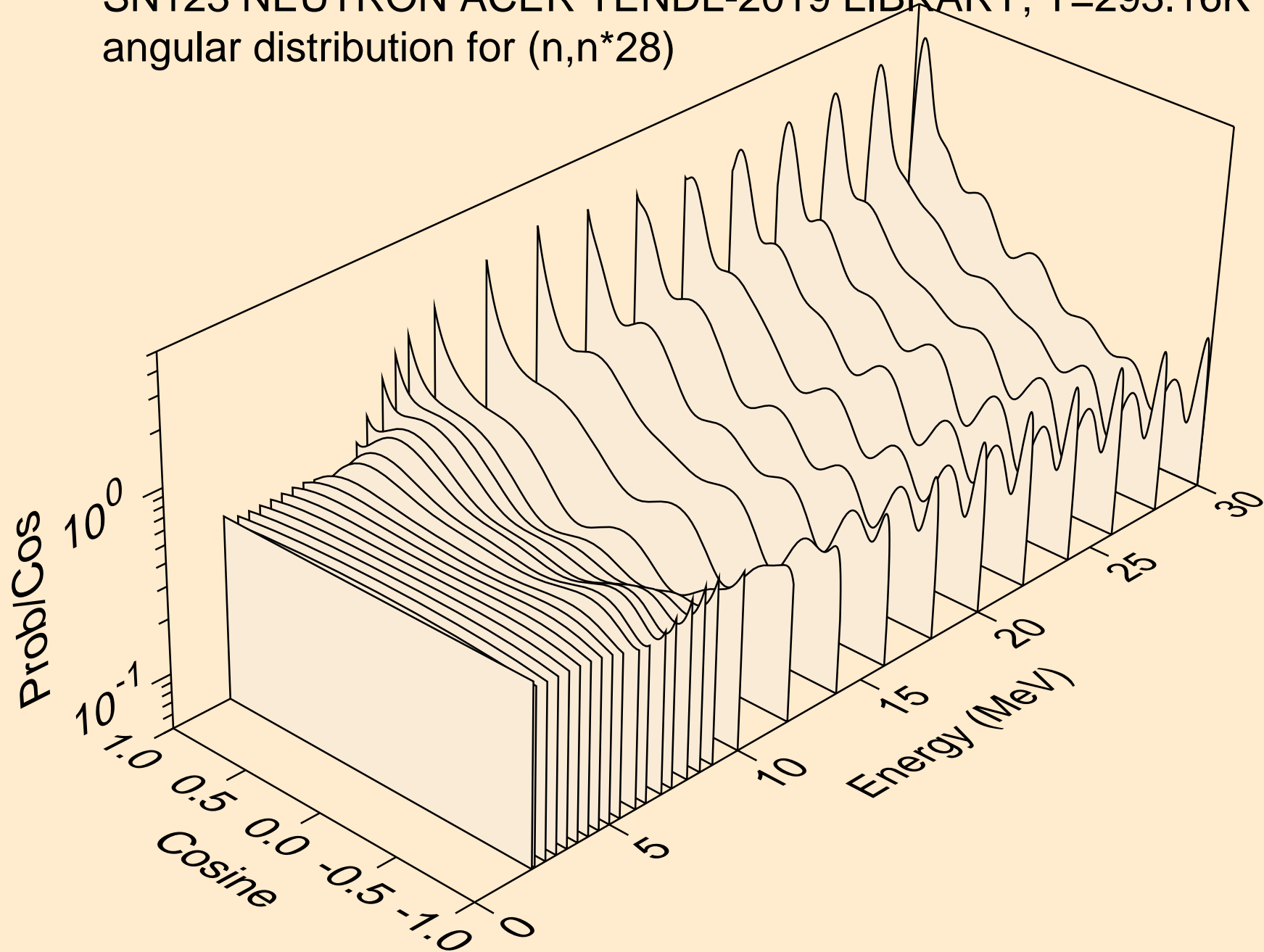
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

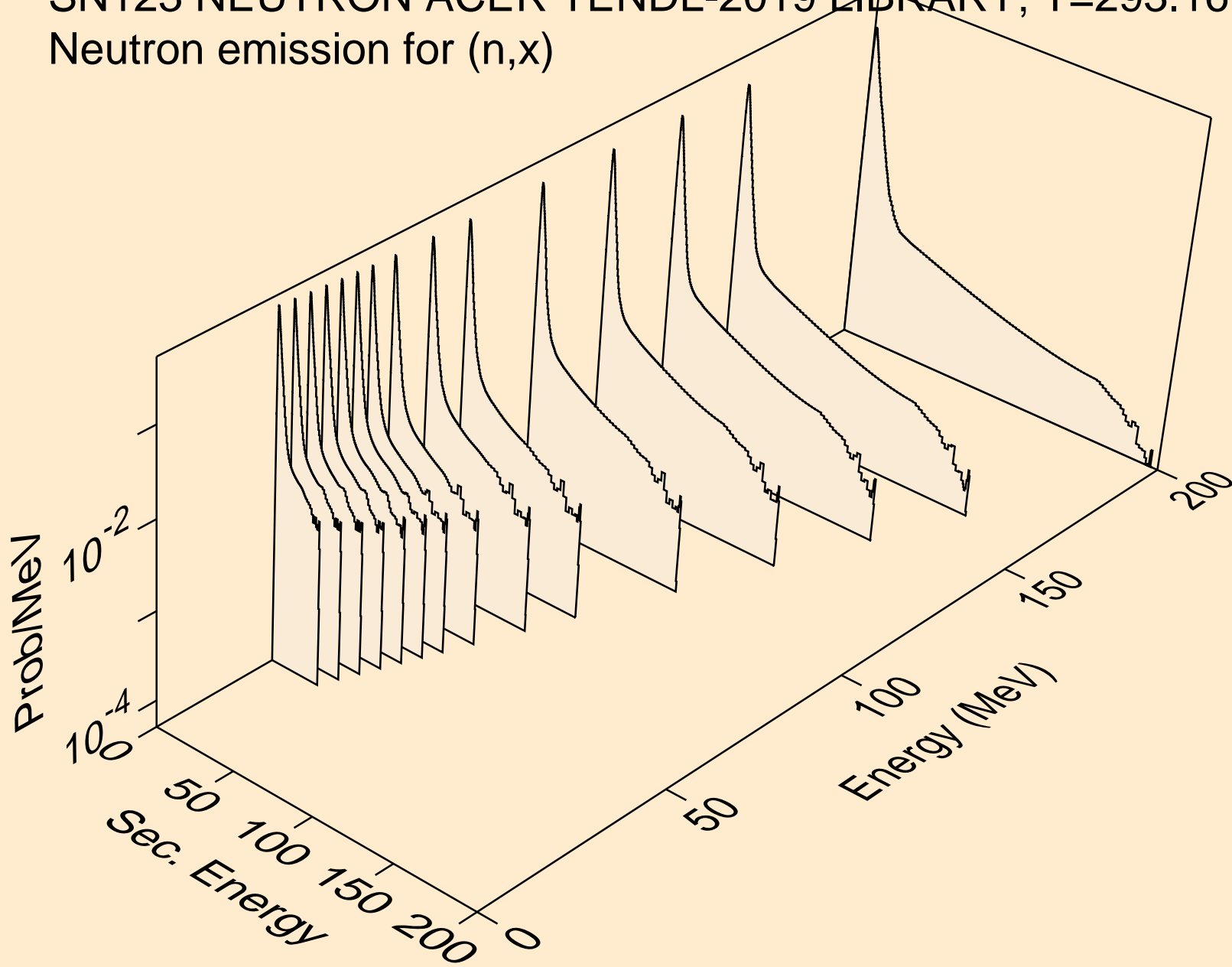


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angular distribution for (n,n\*28)

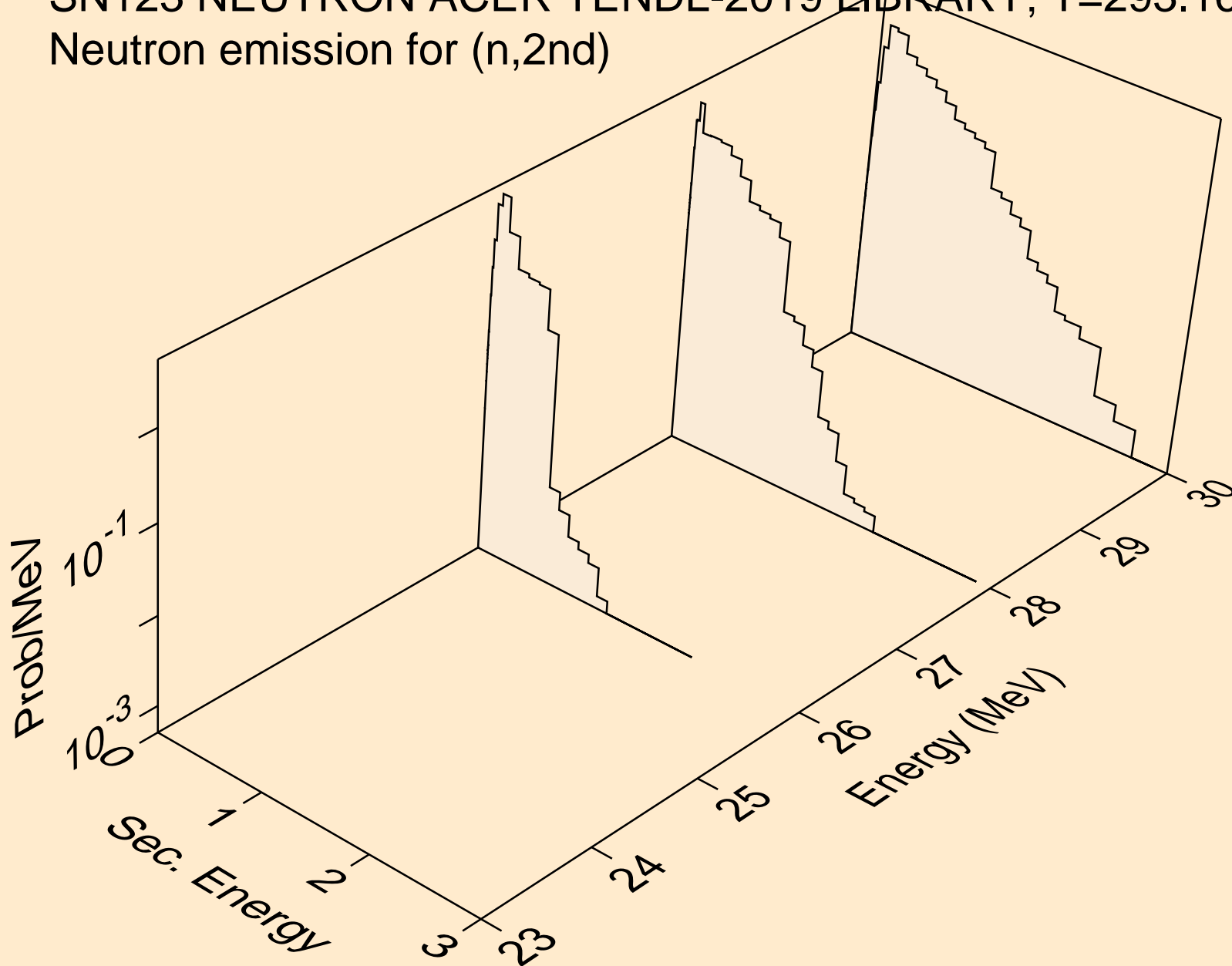




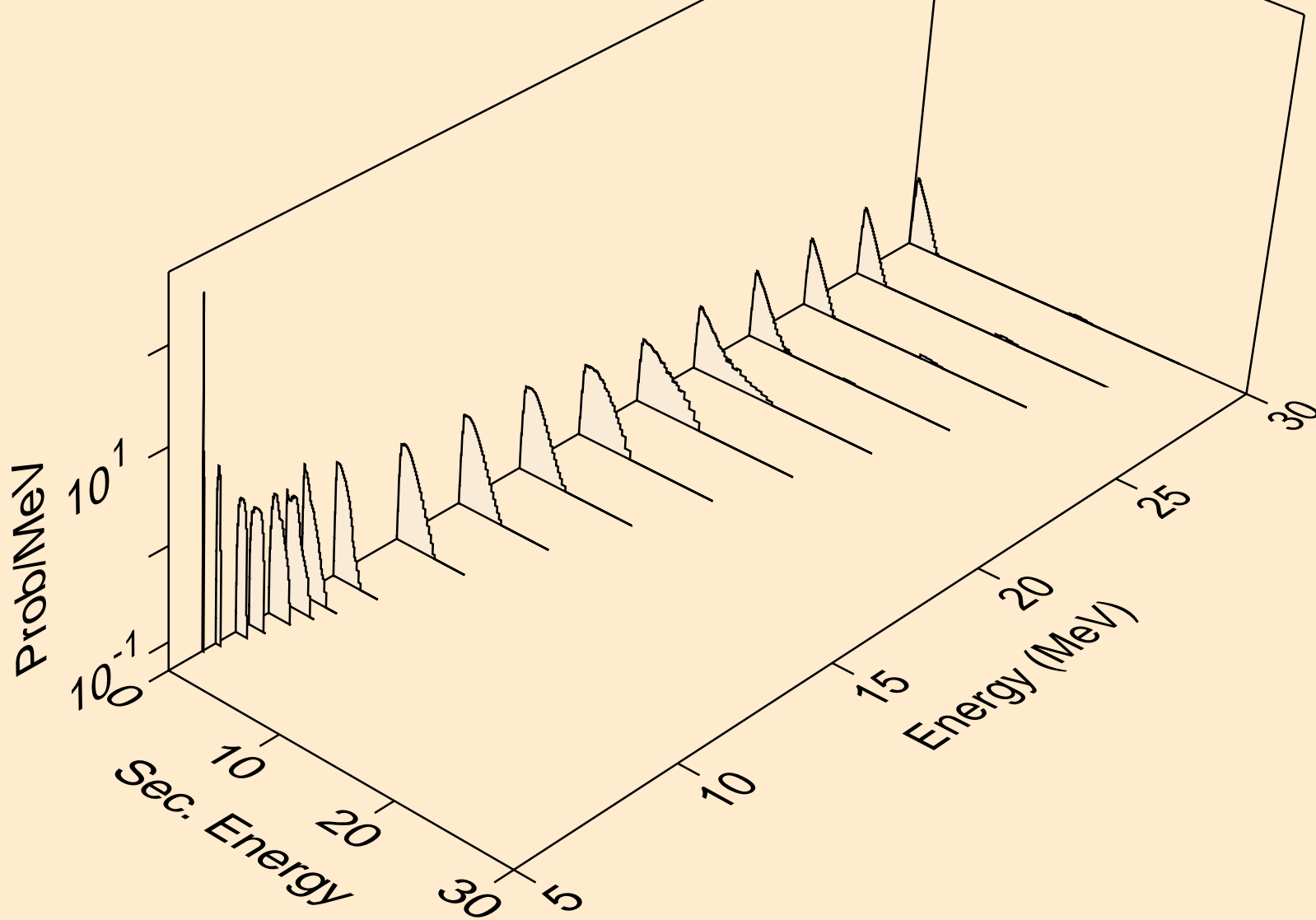
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



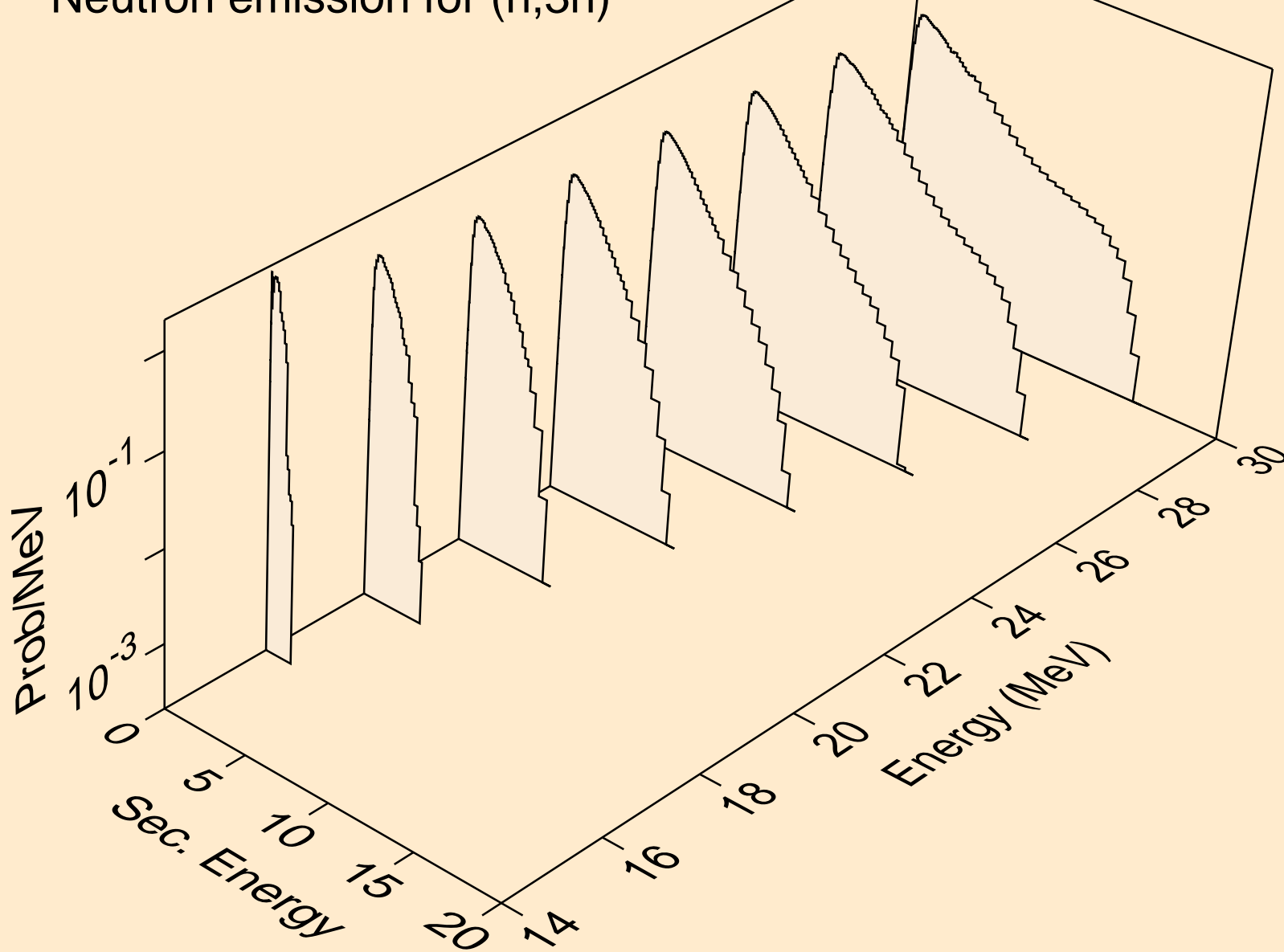
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



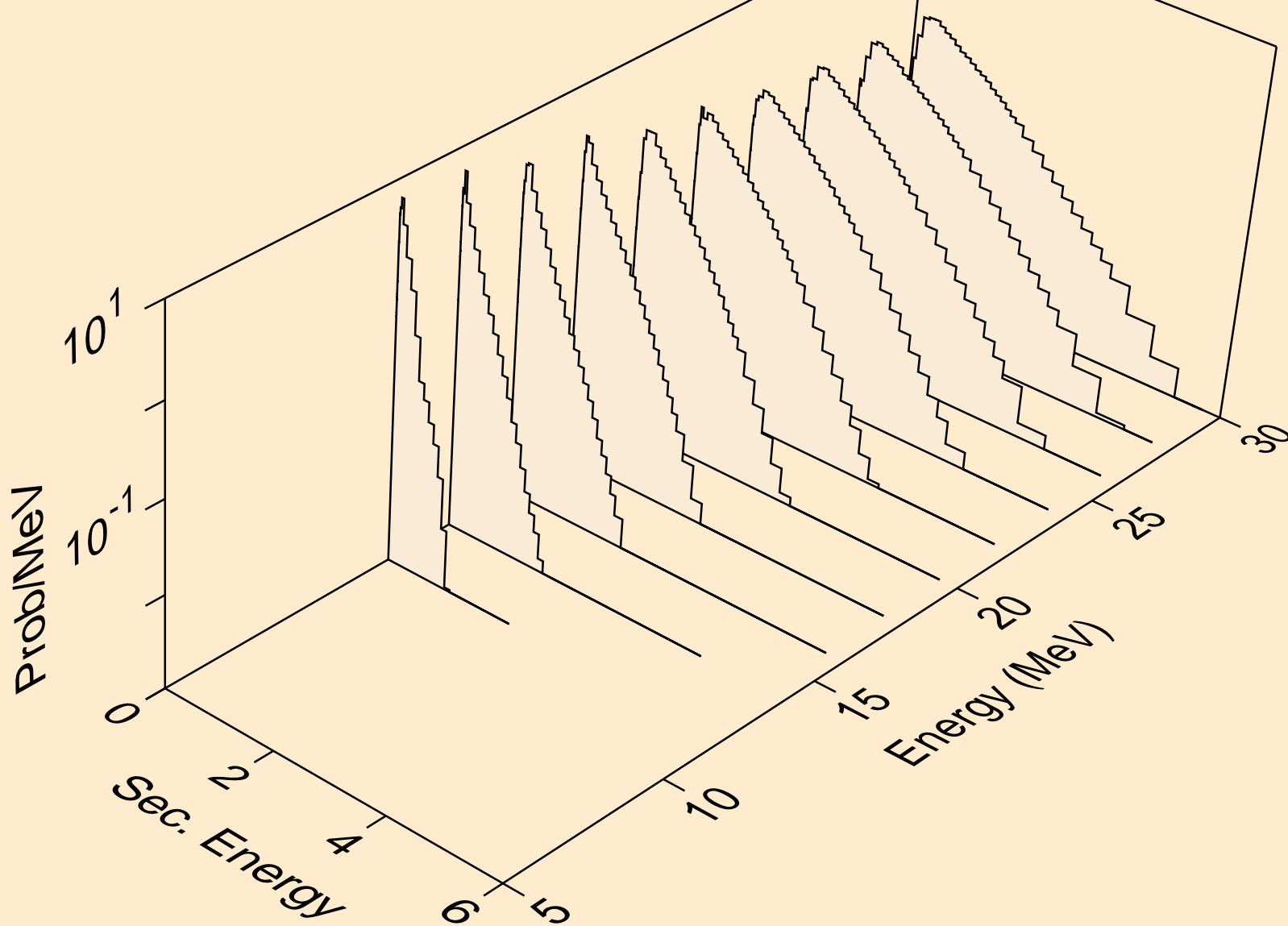
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



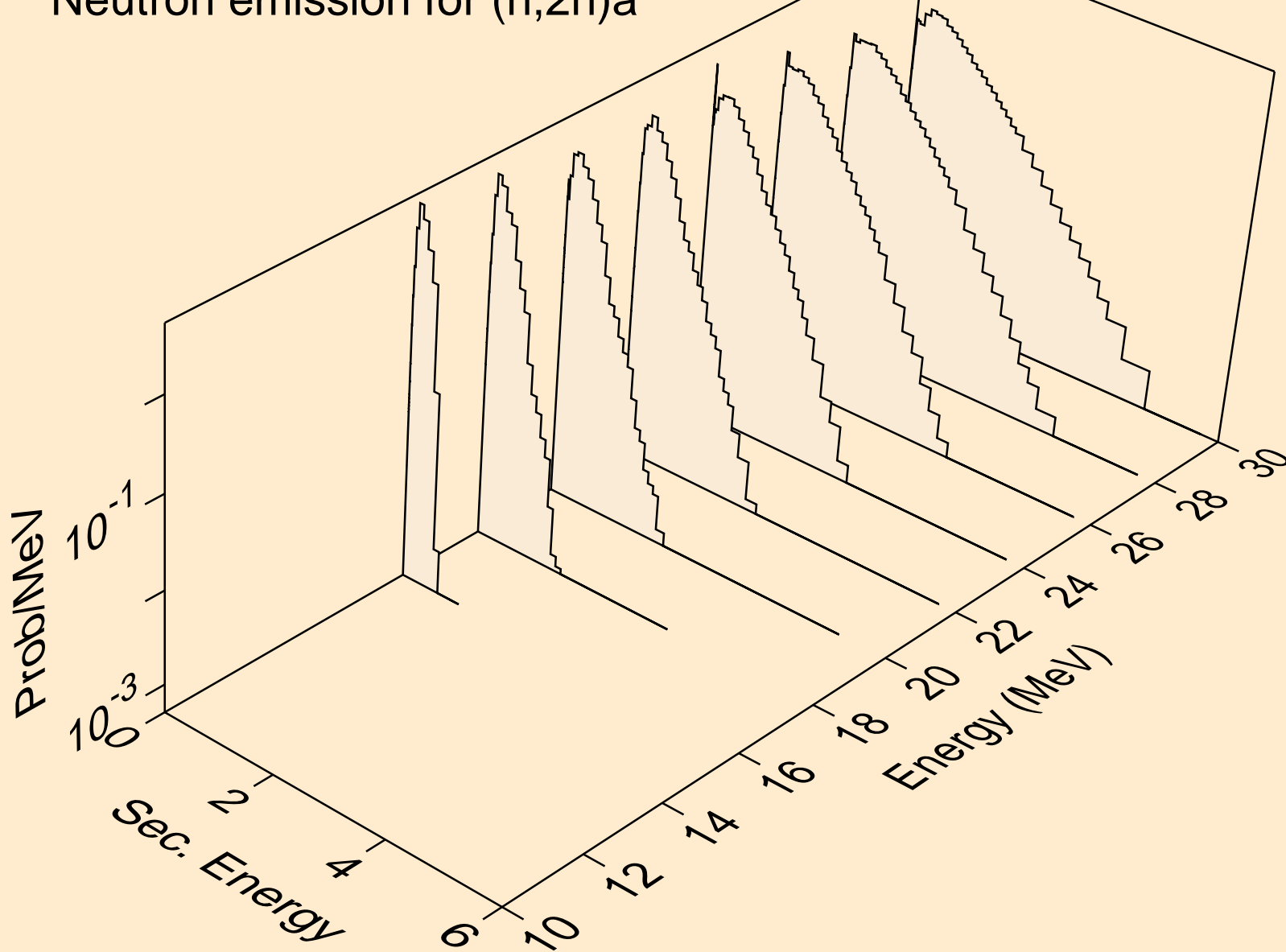
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



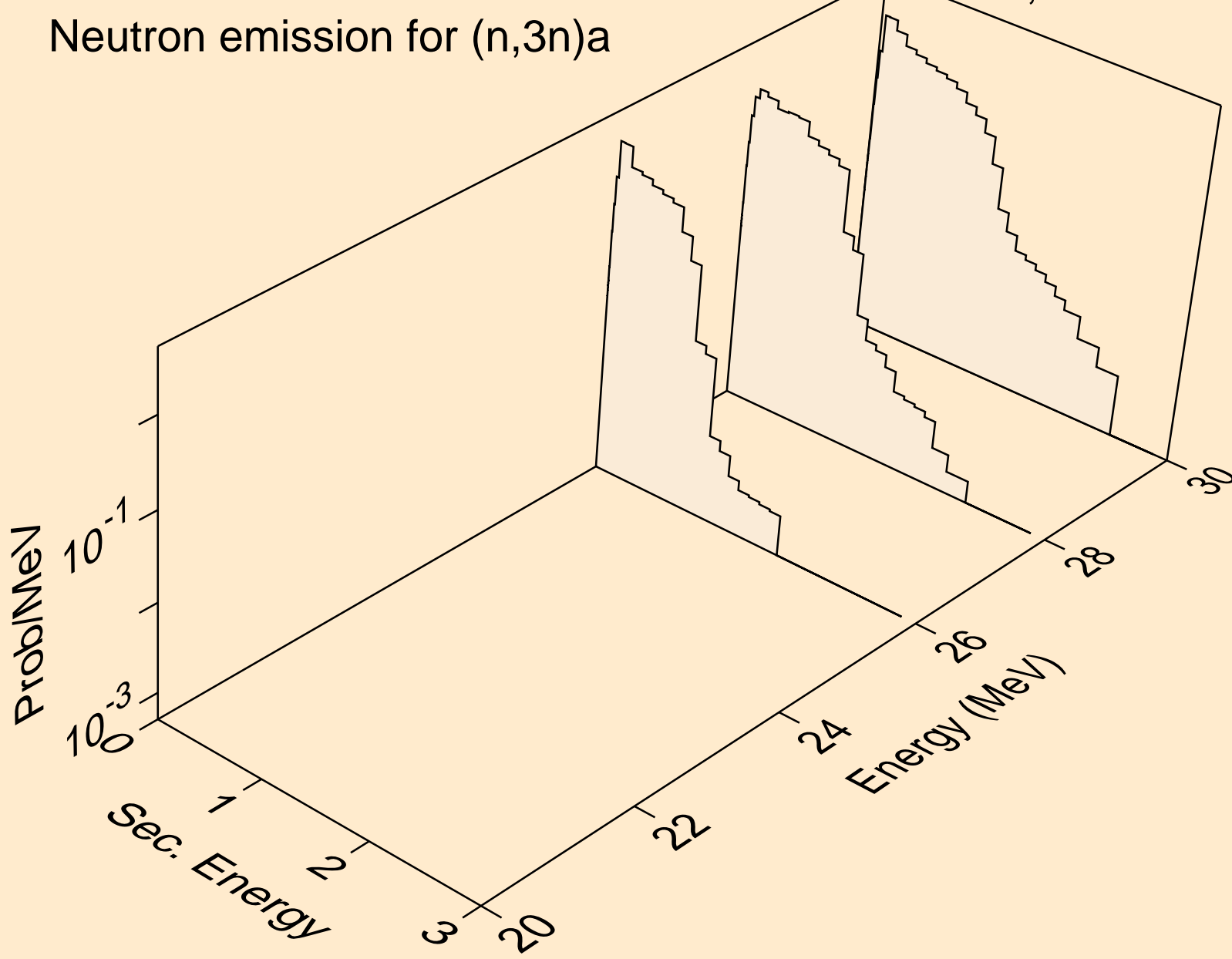
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



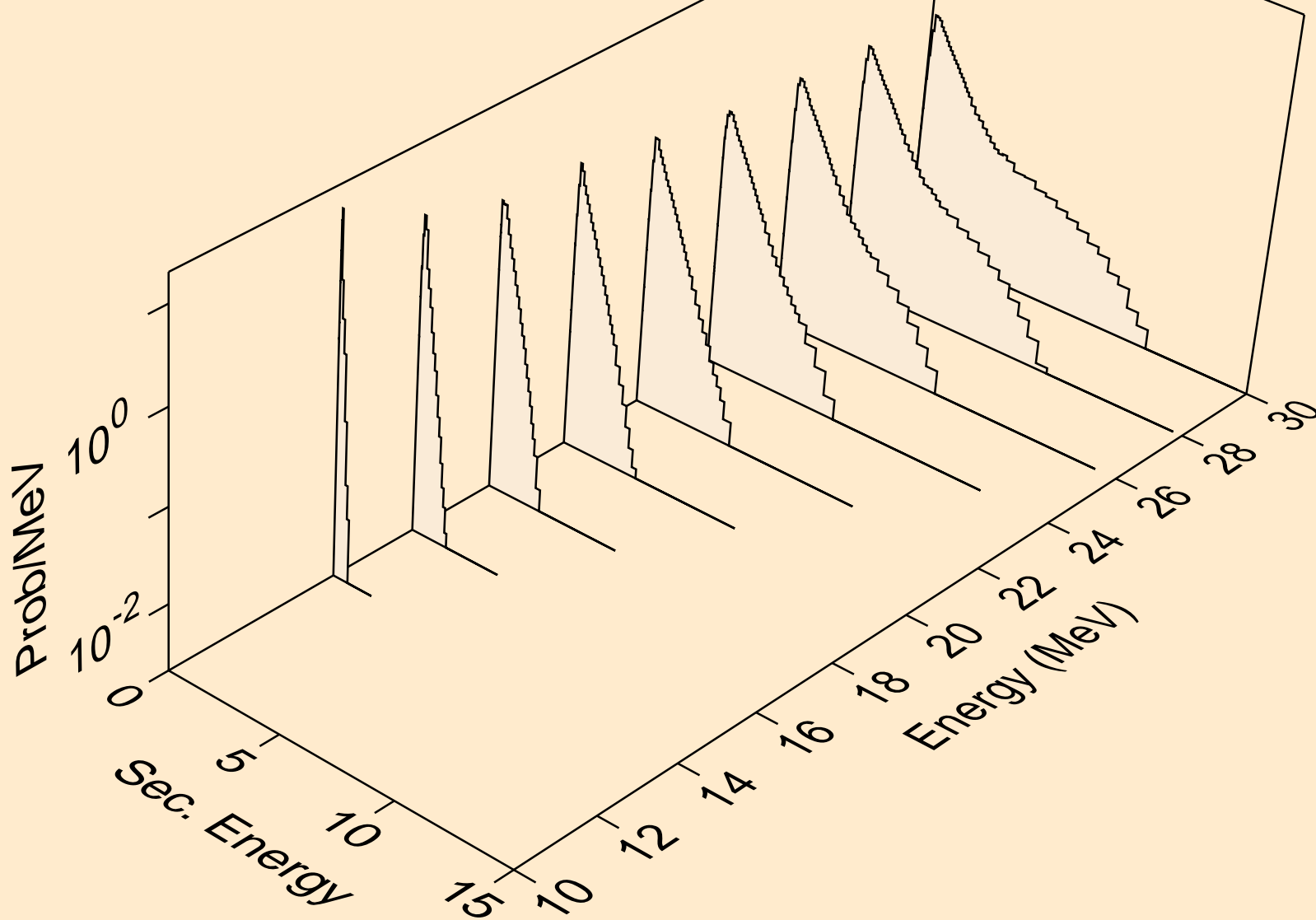
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a

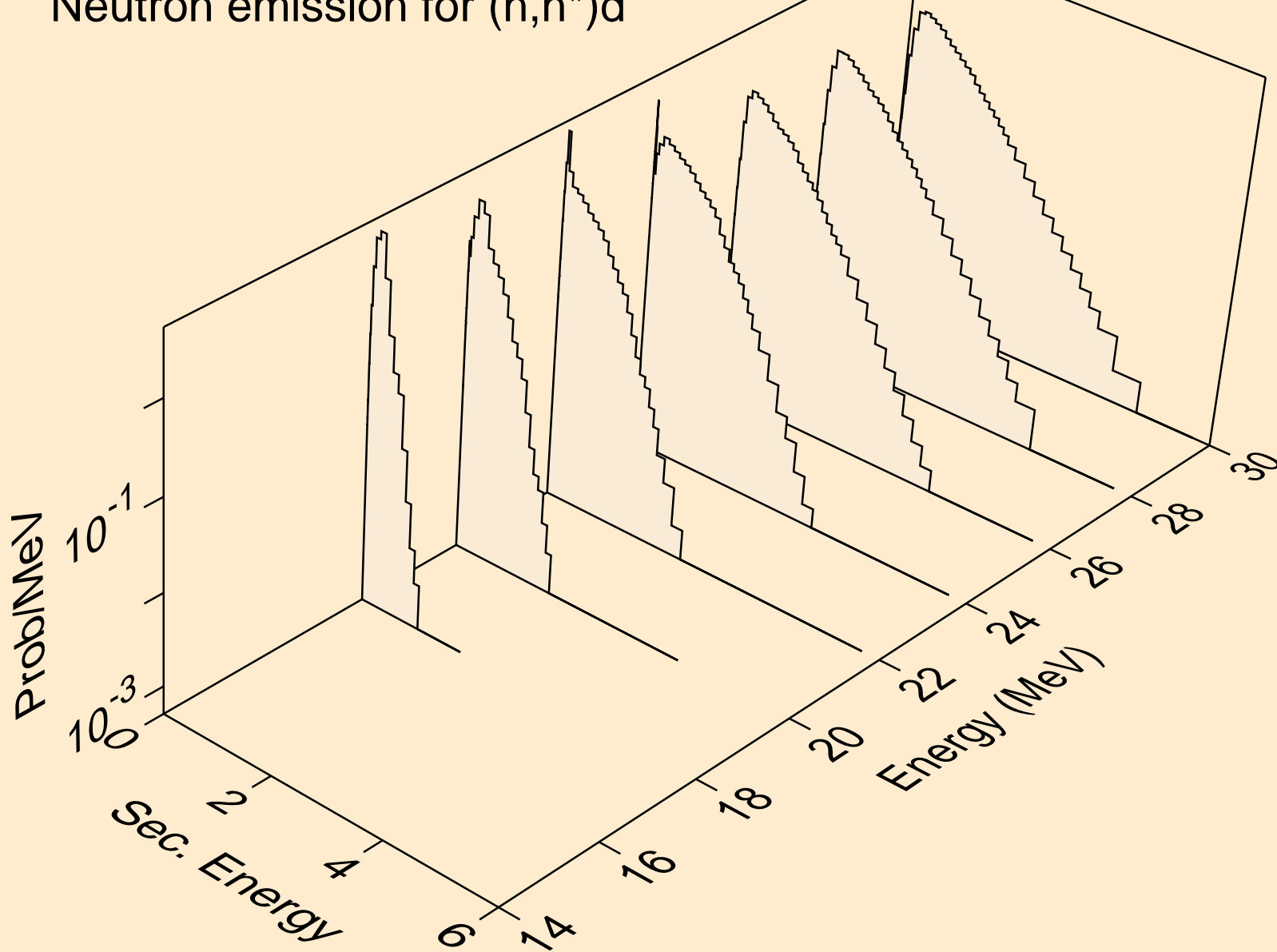


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

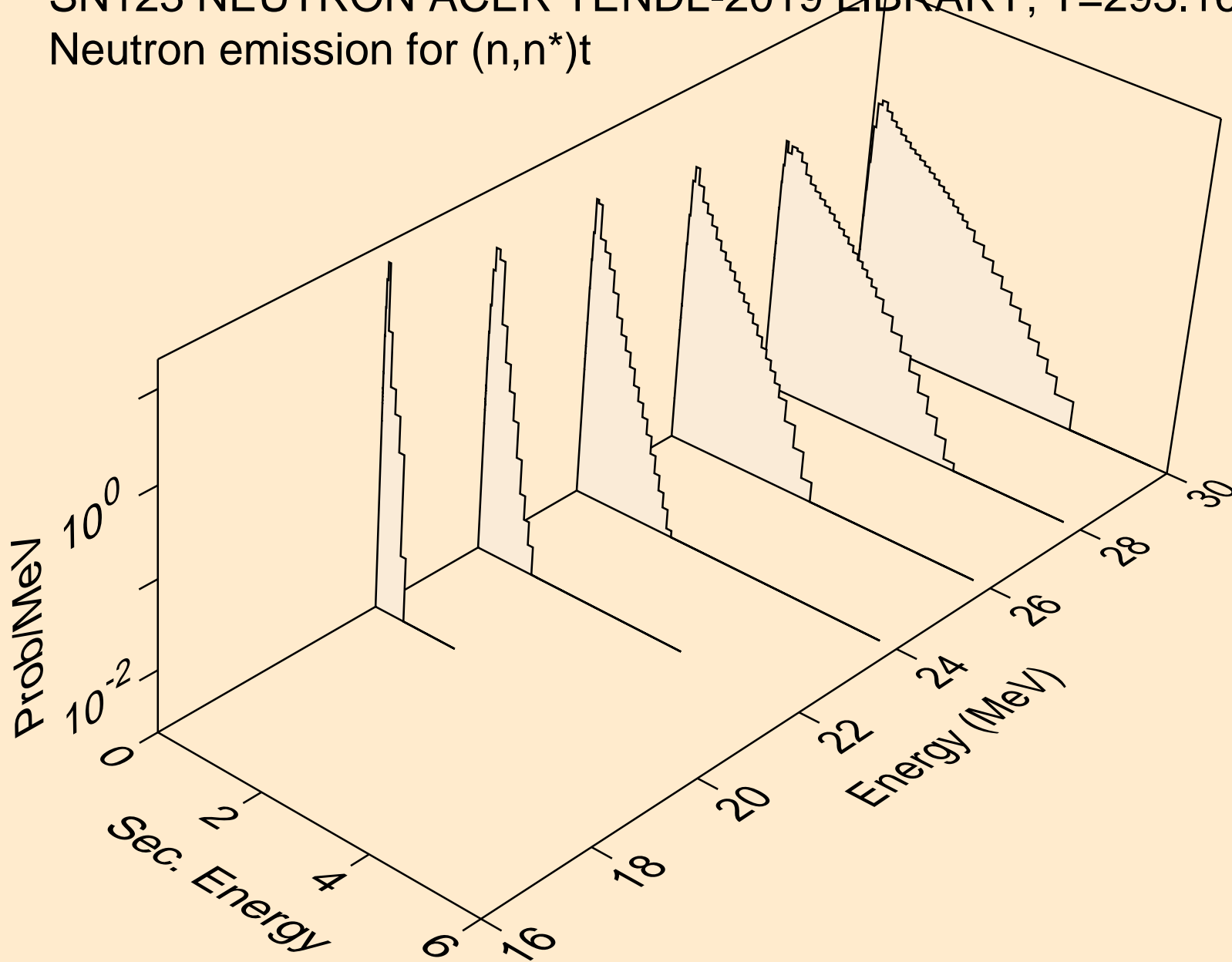




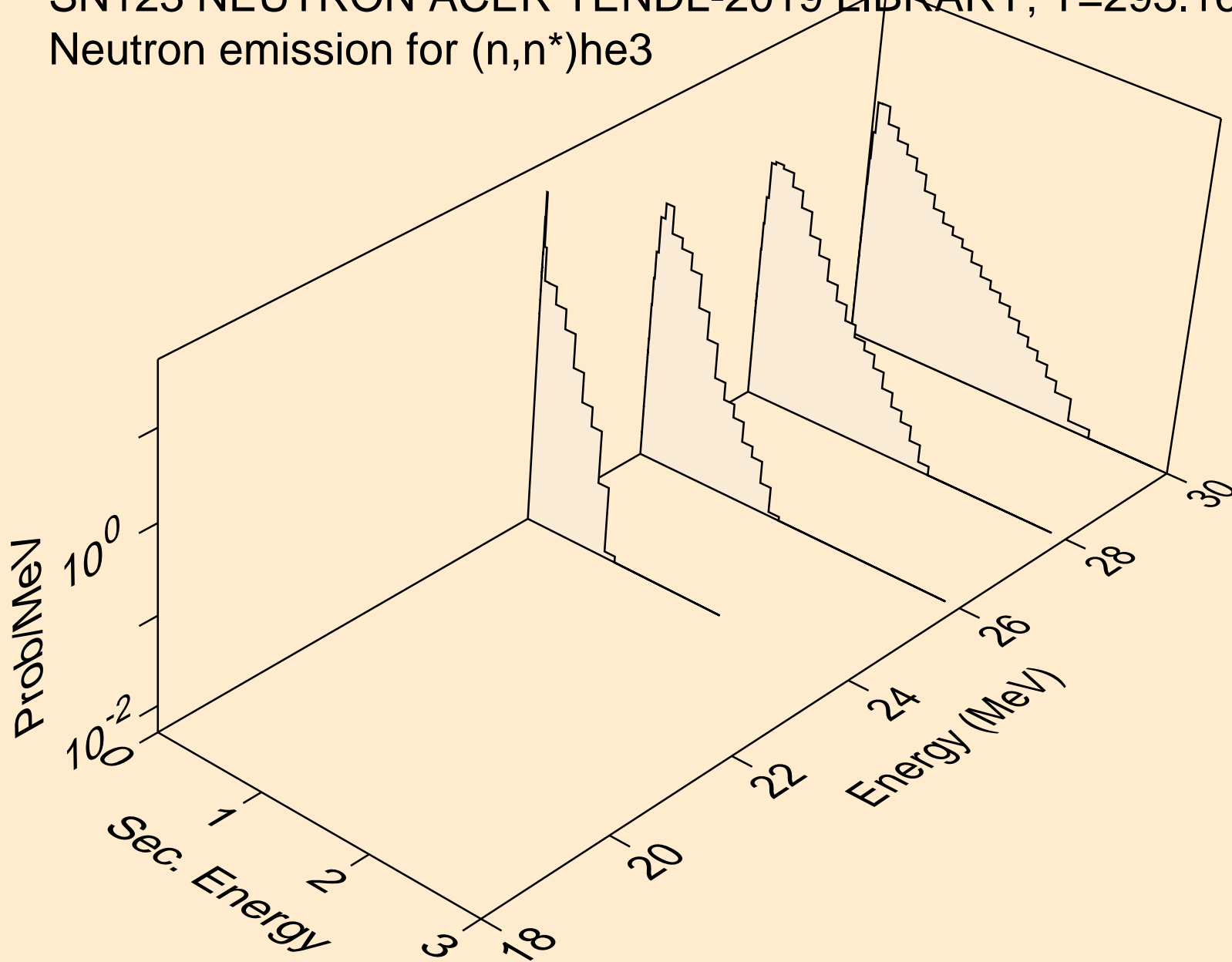
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Neutron emission for (n,n\*)d



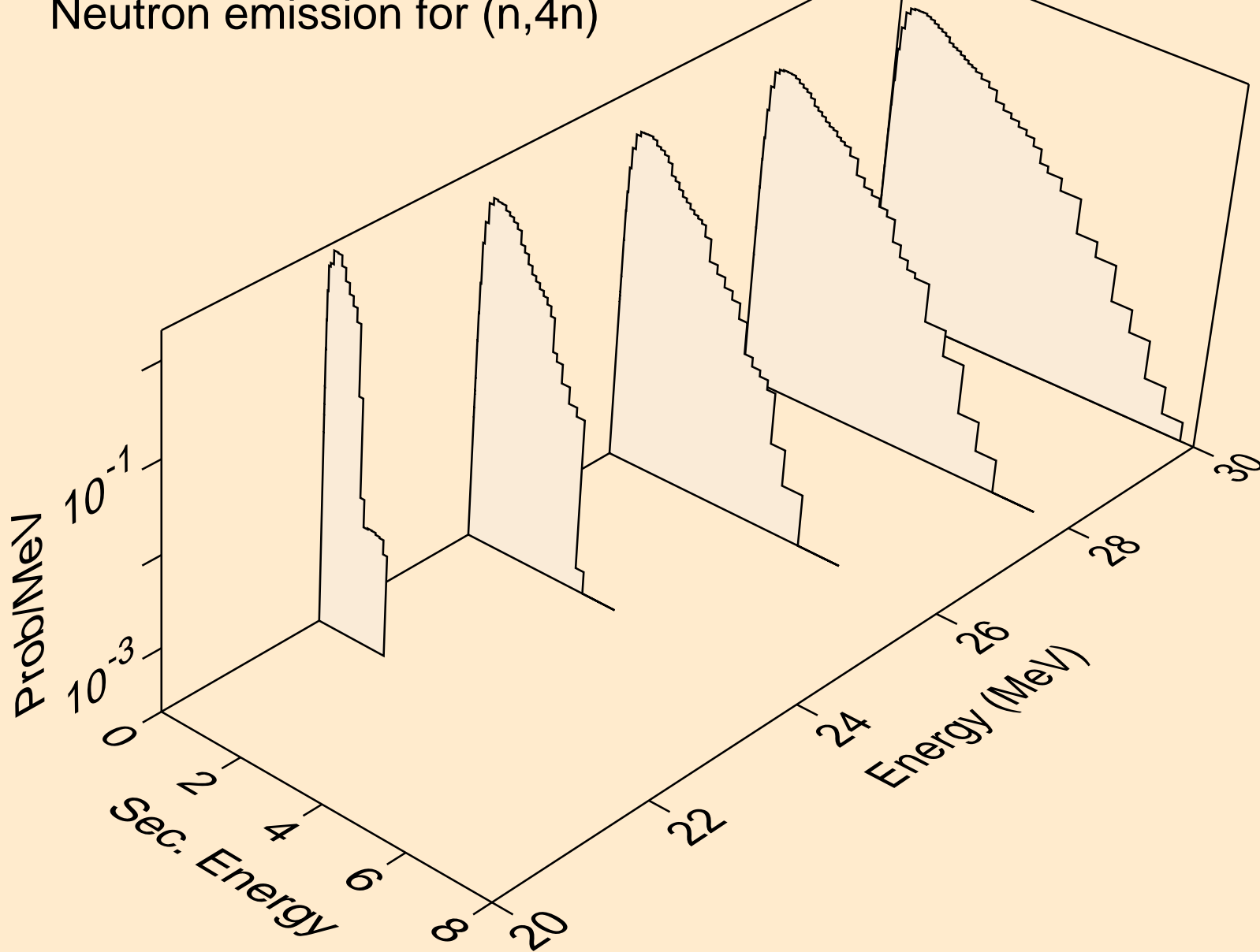
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



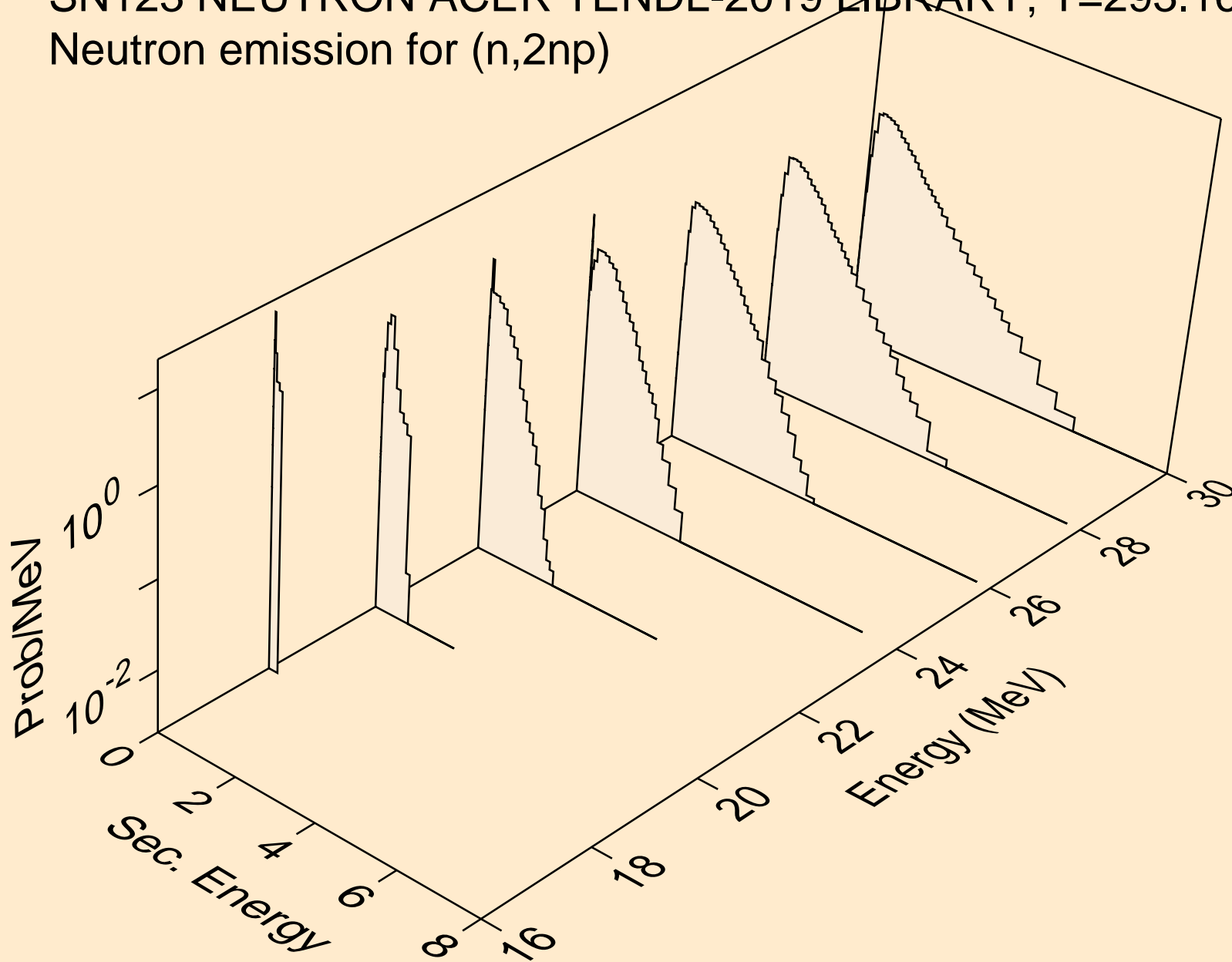
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



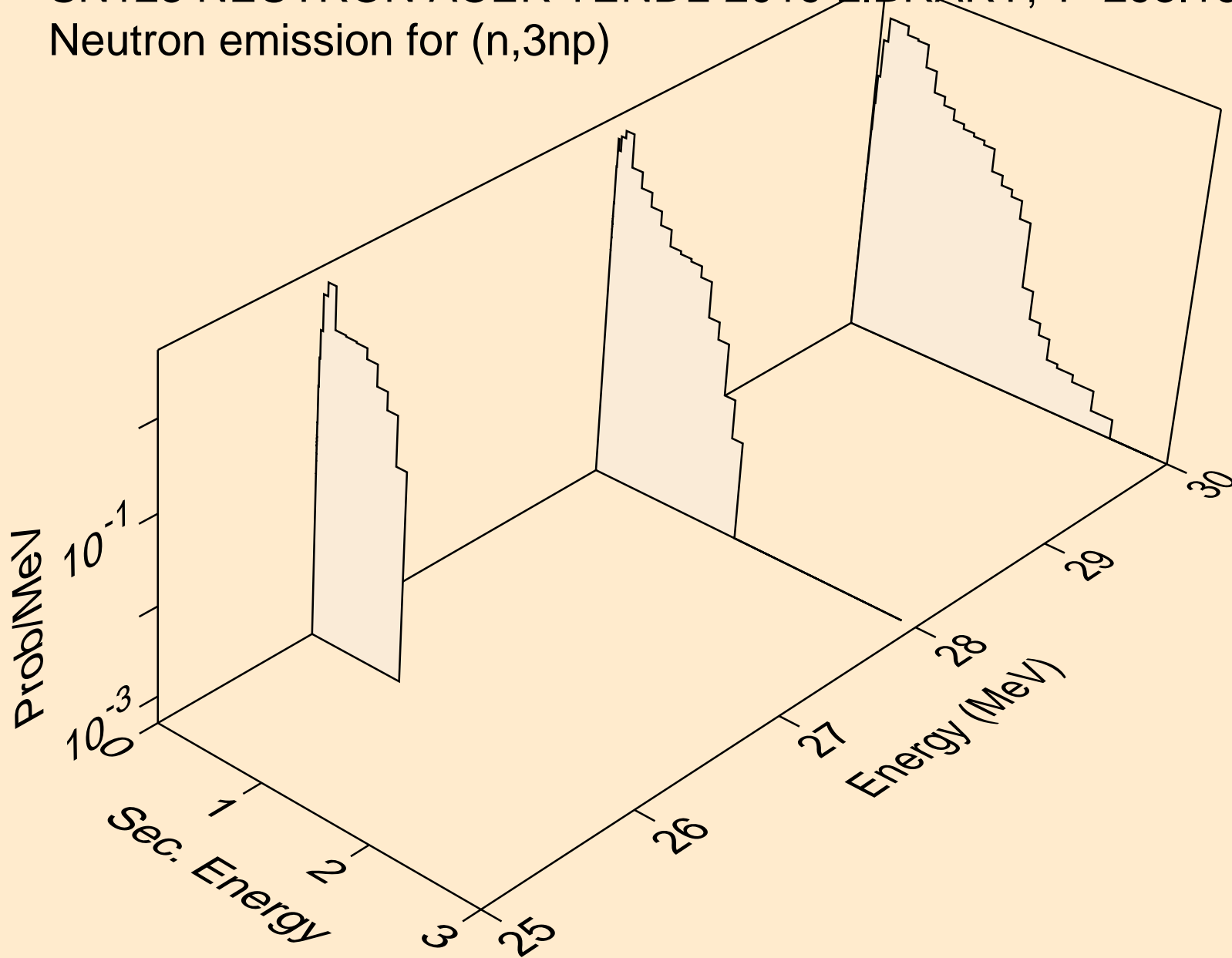
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



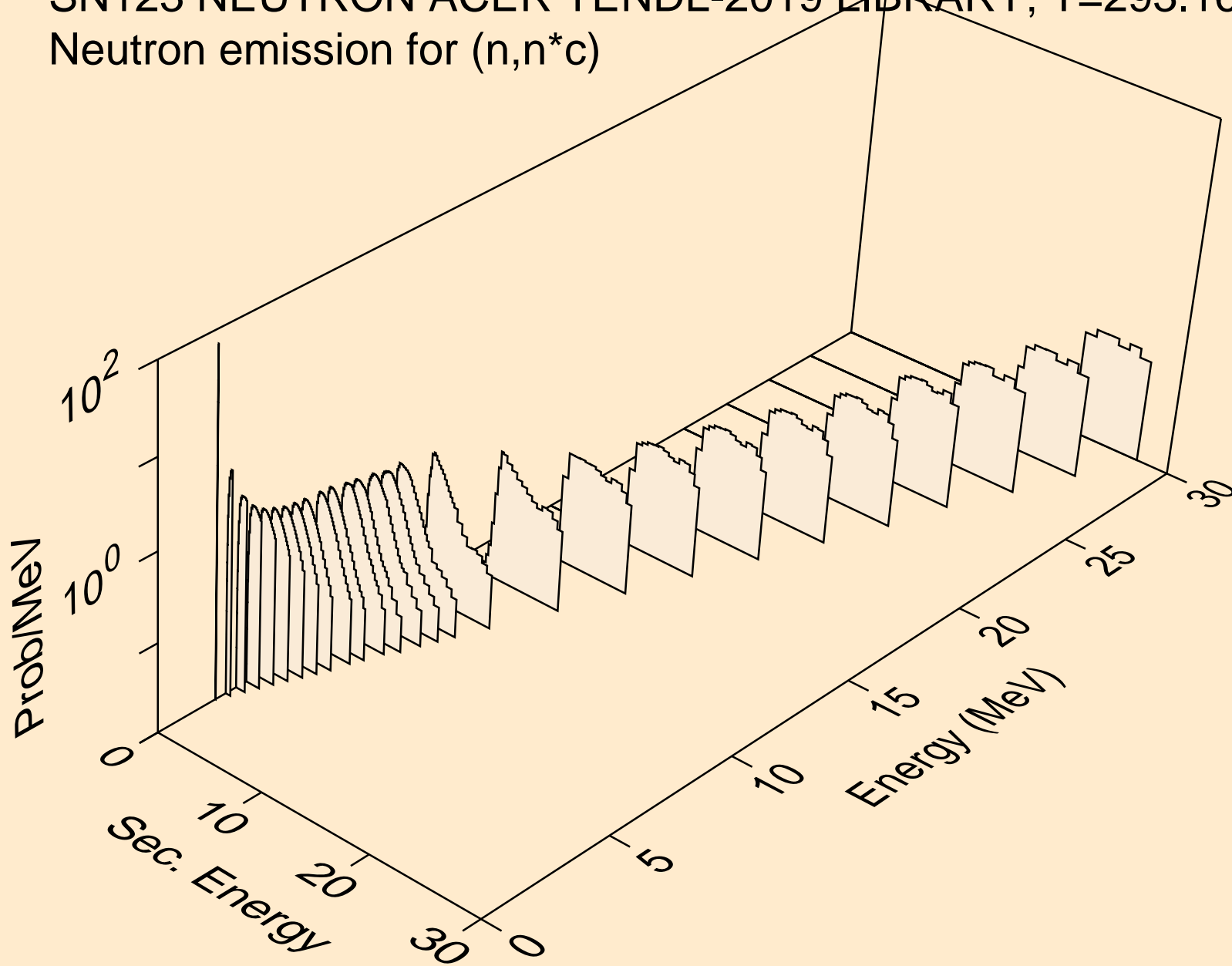
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



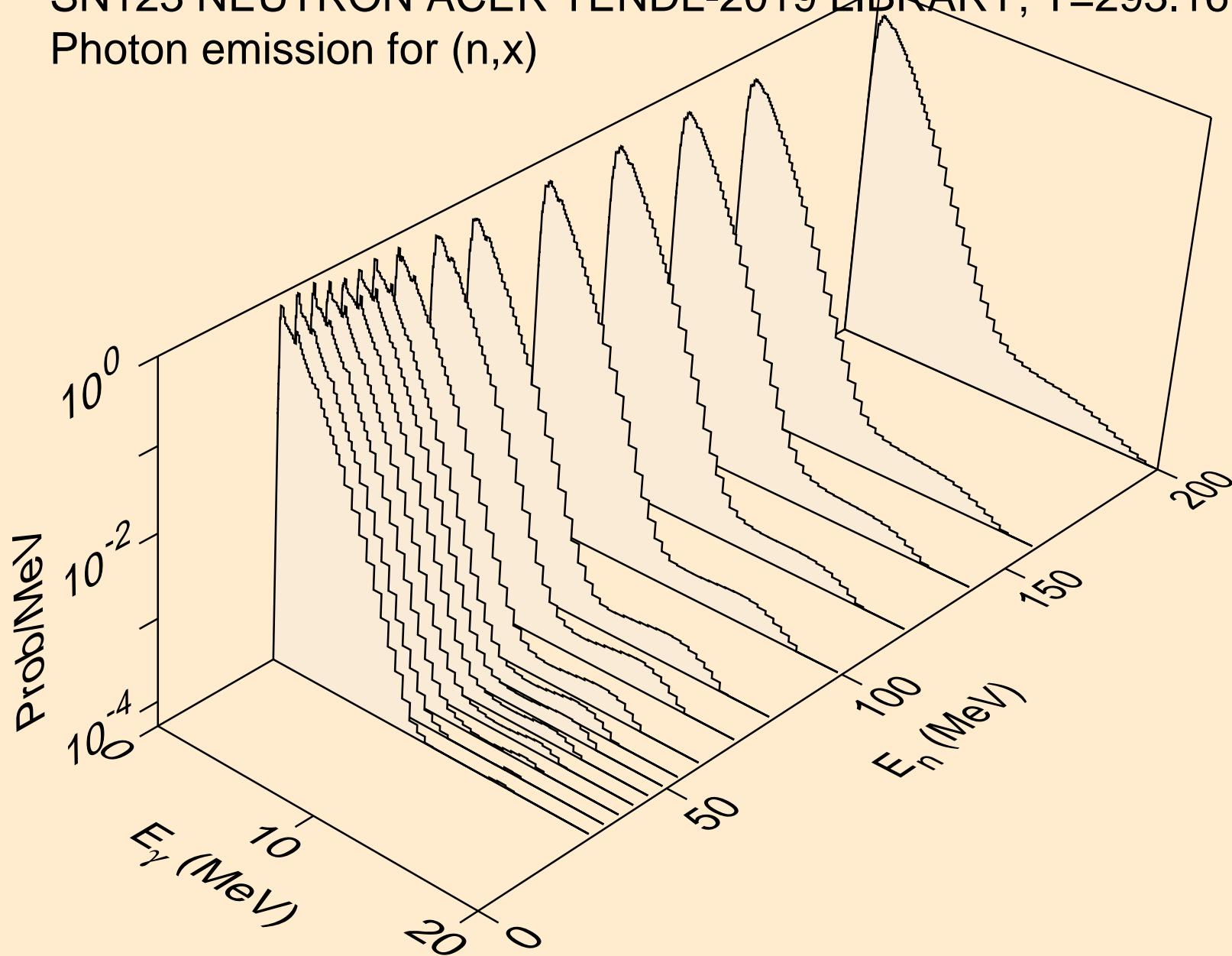
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

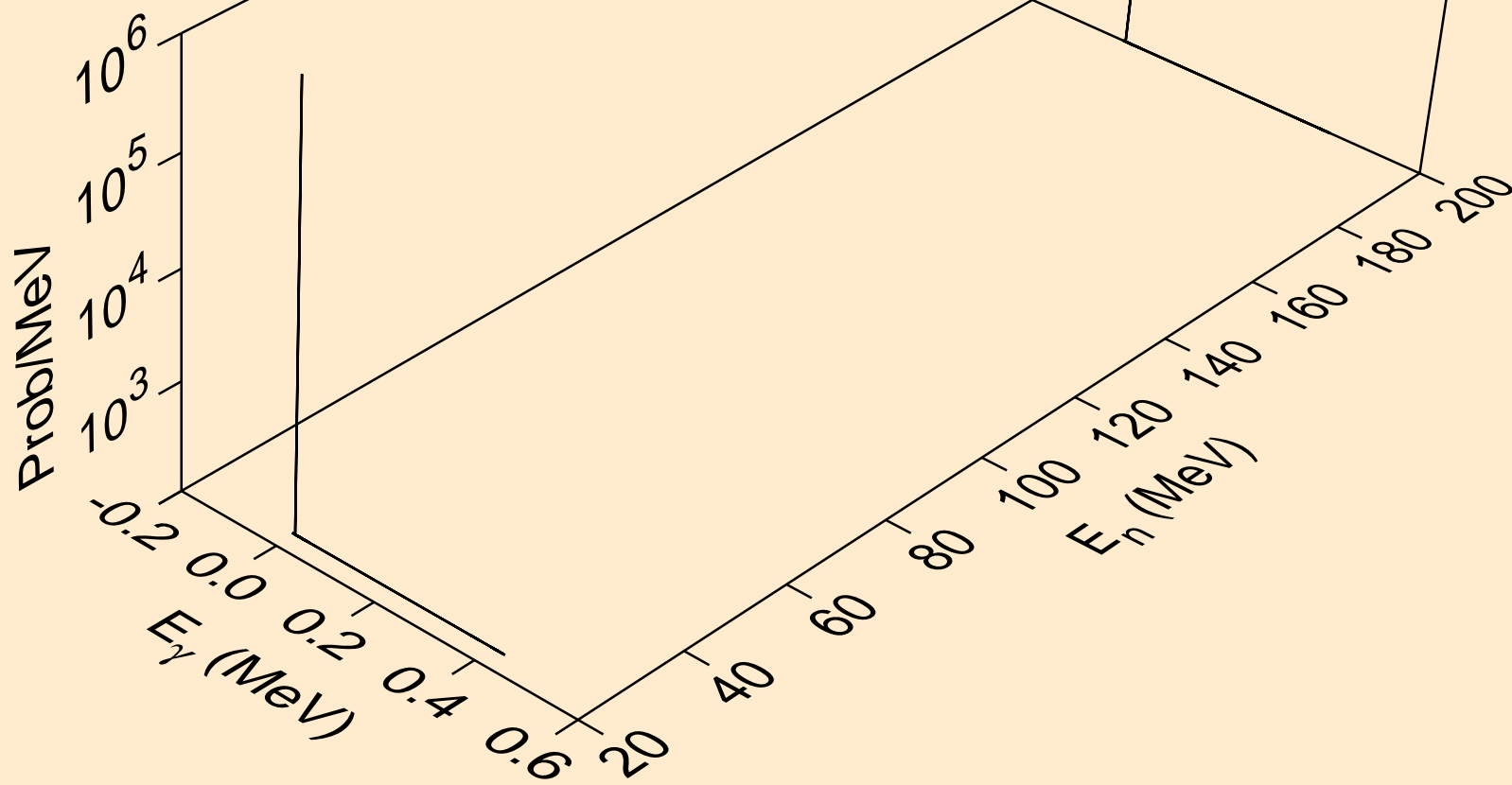


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

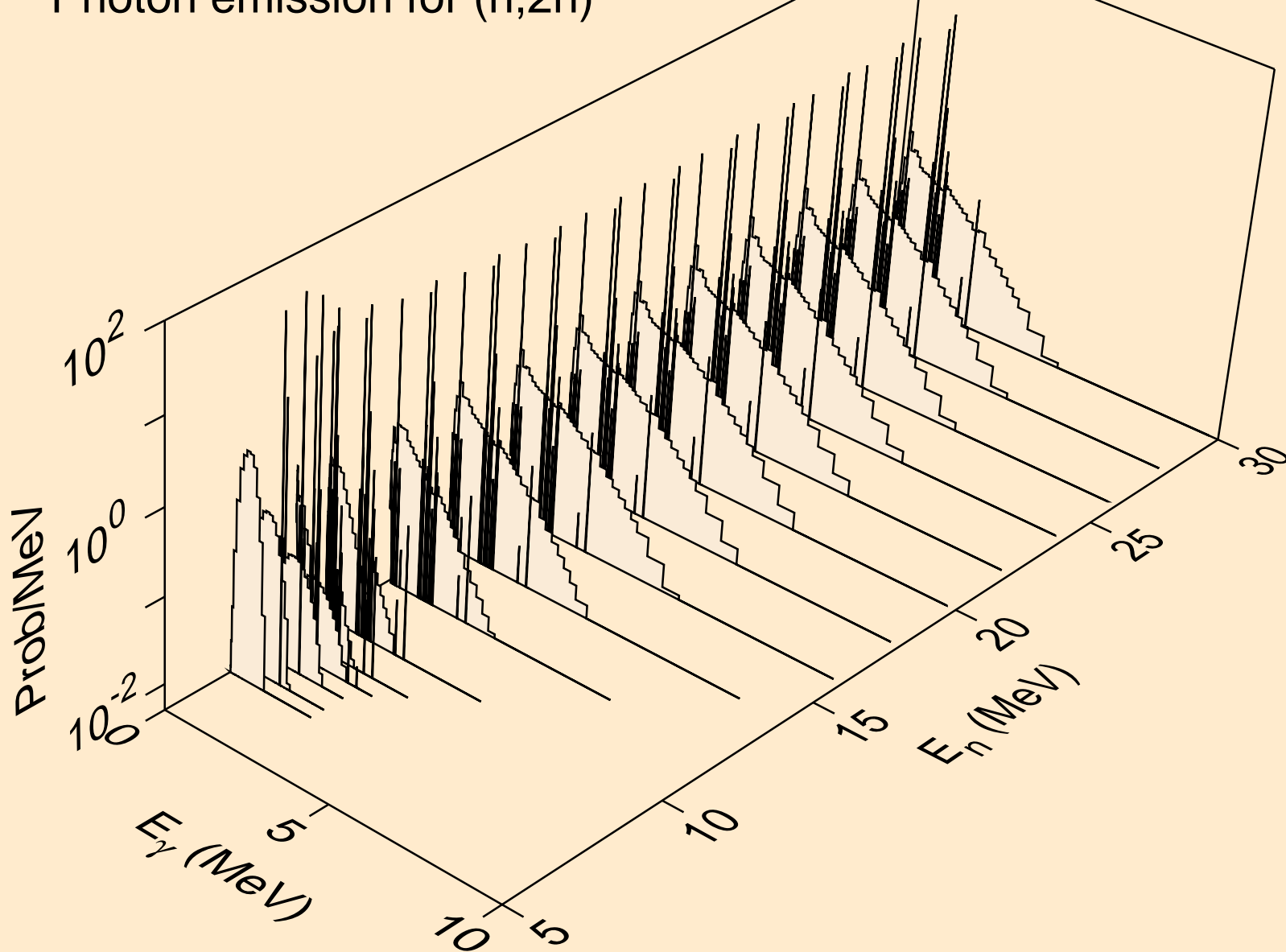




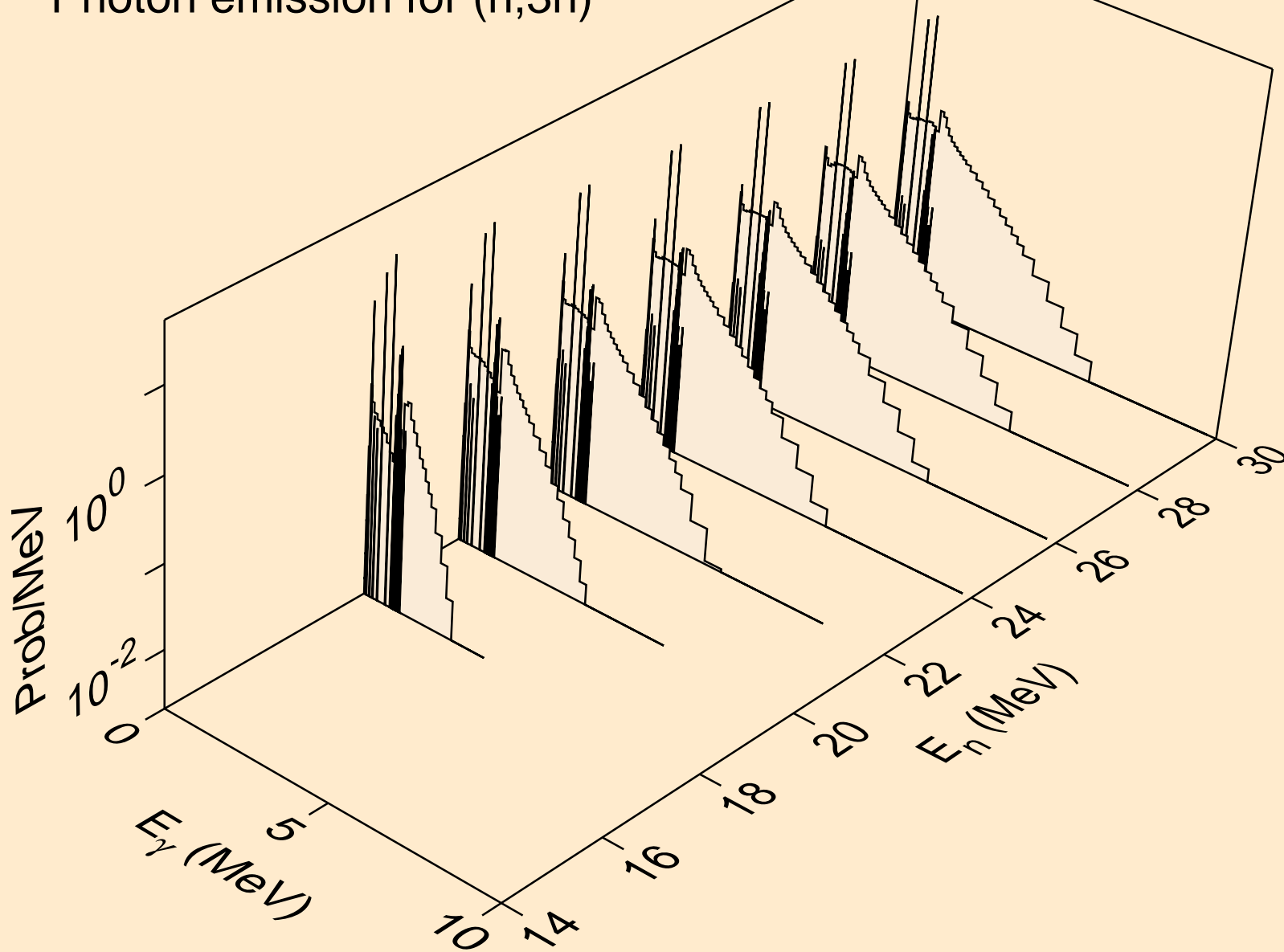
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



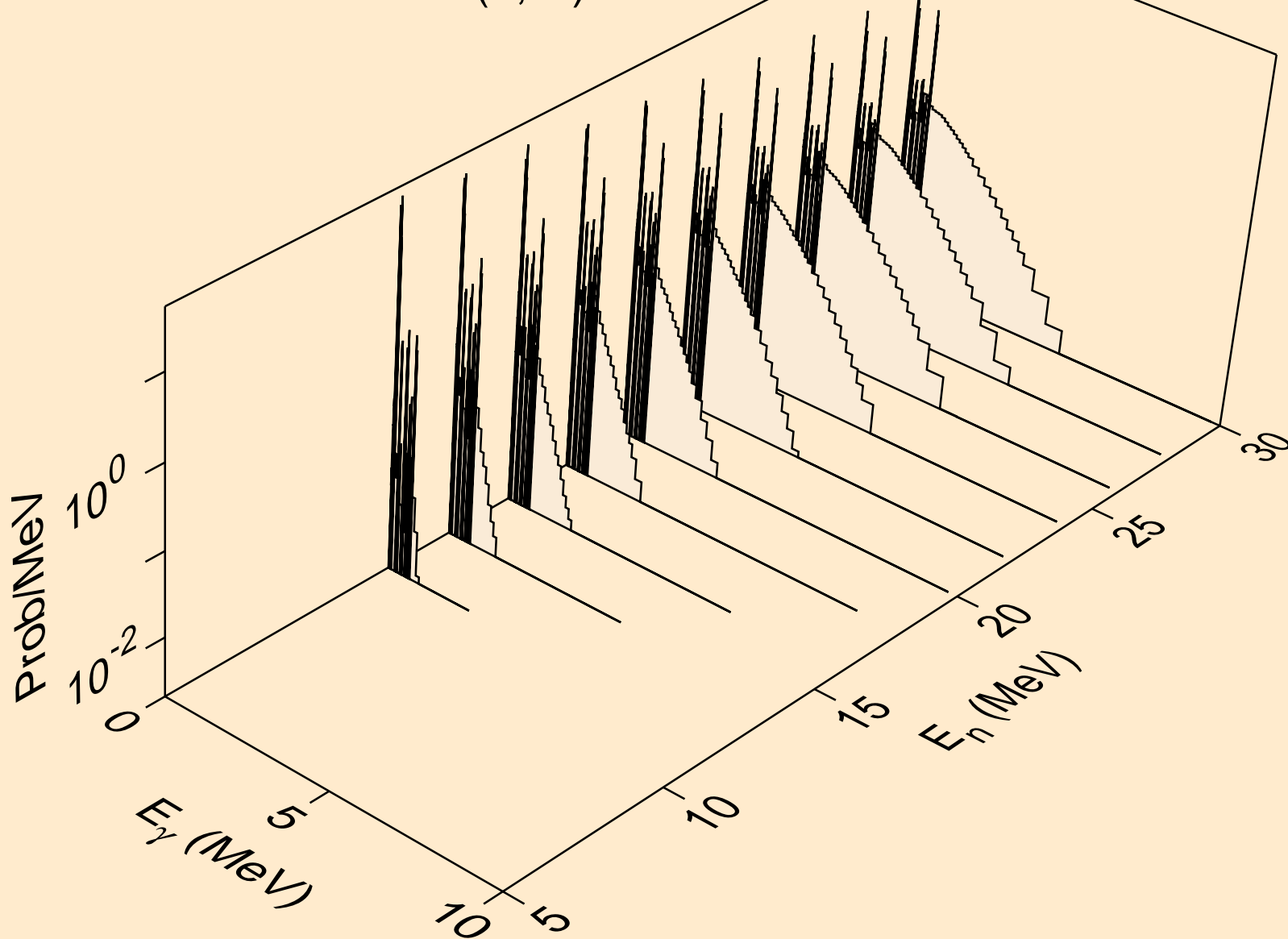
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



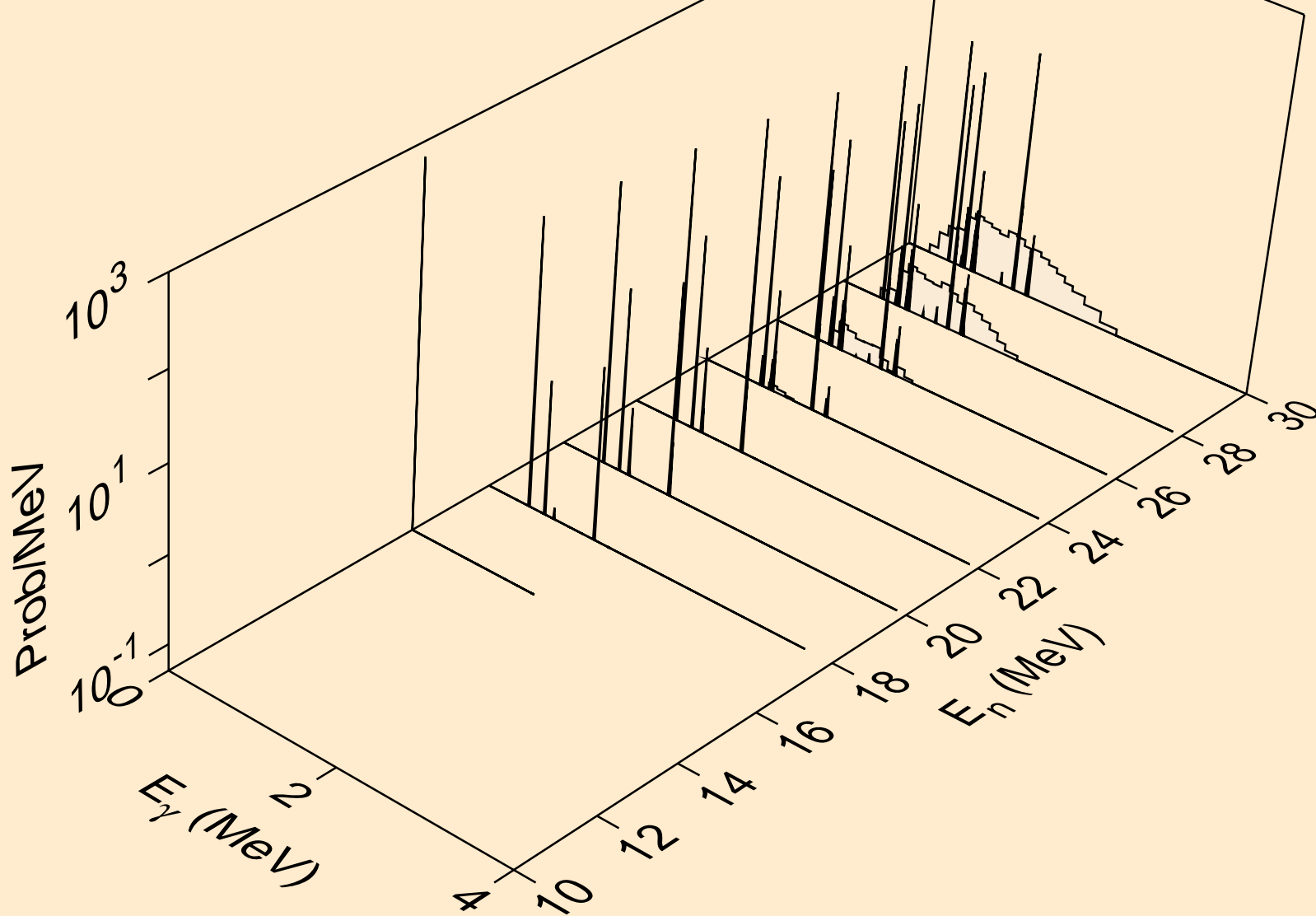
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Photon emission for (n,3n)



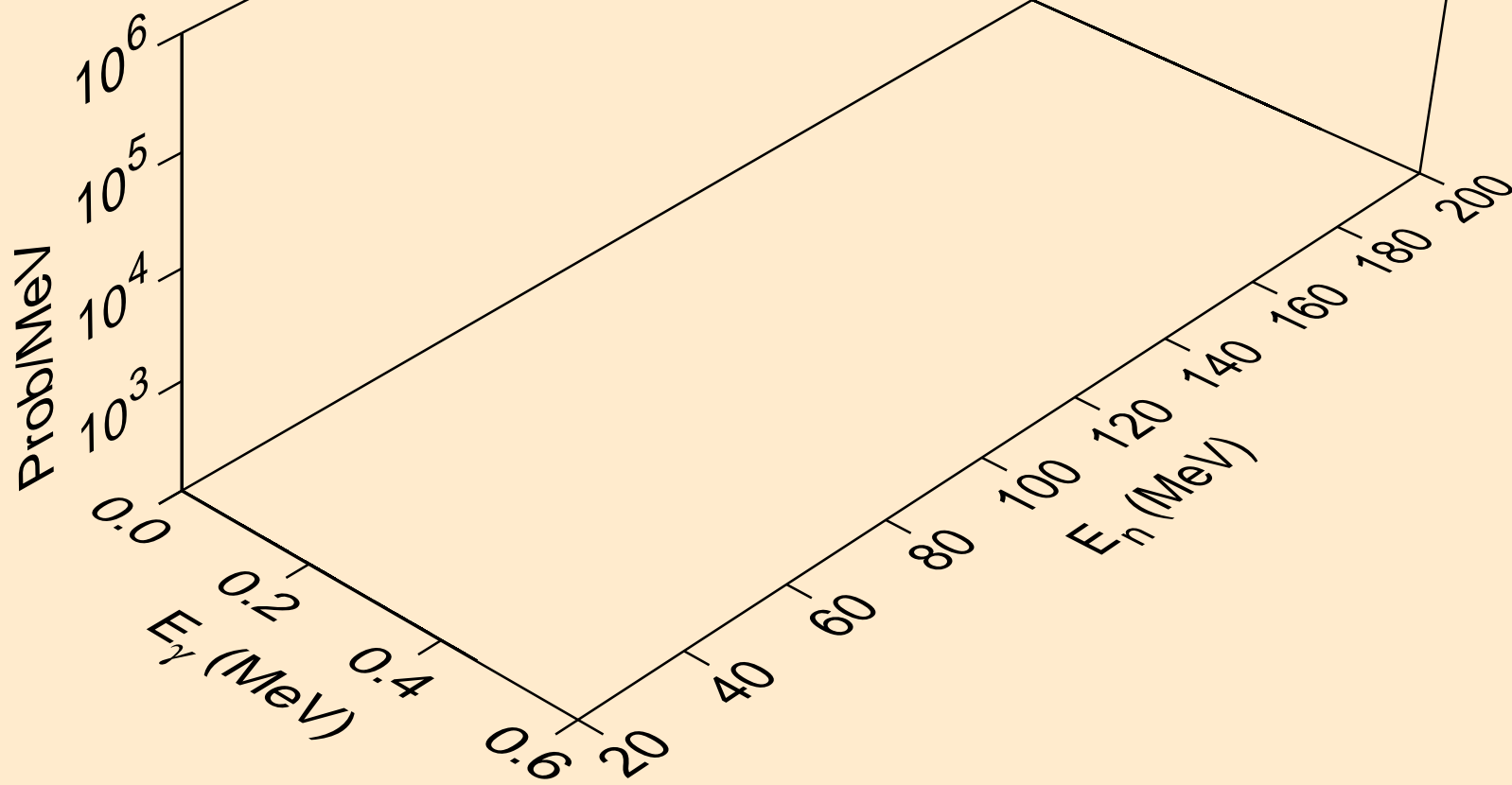
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



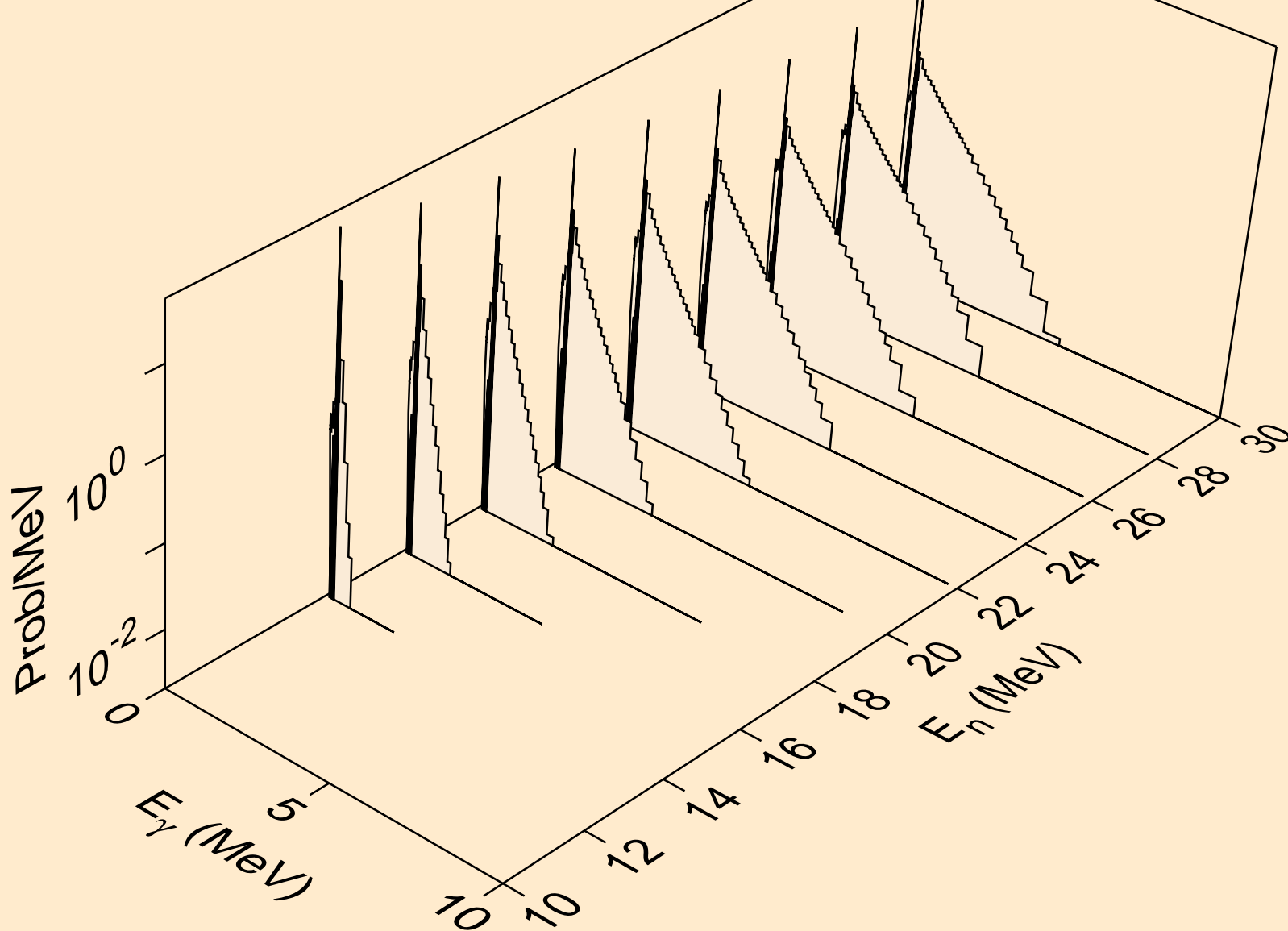
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



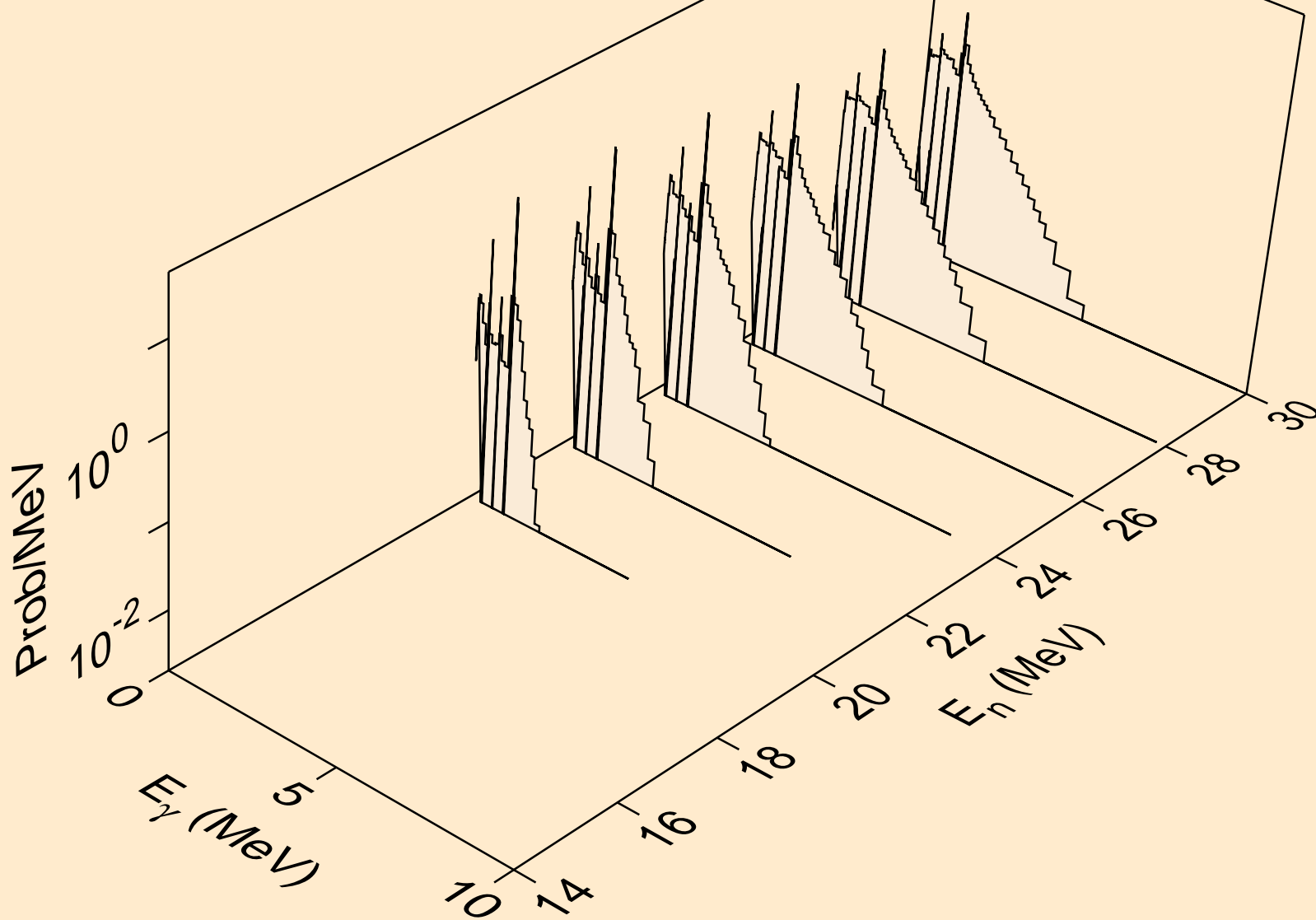
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

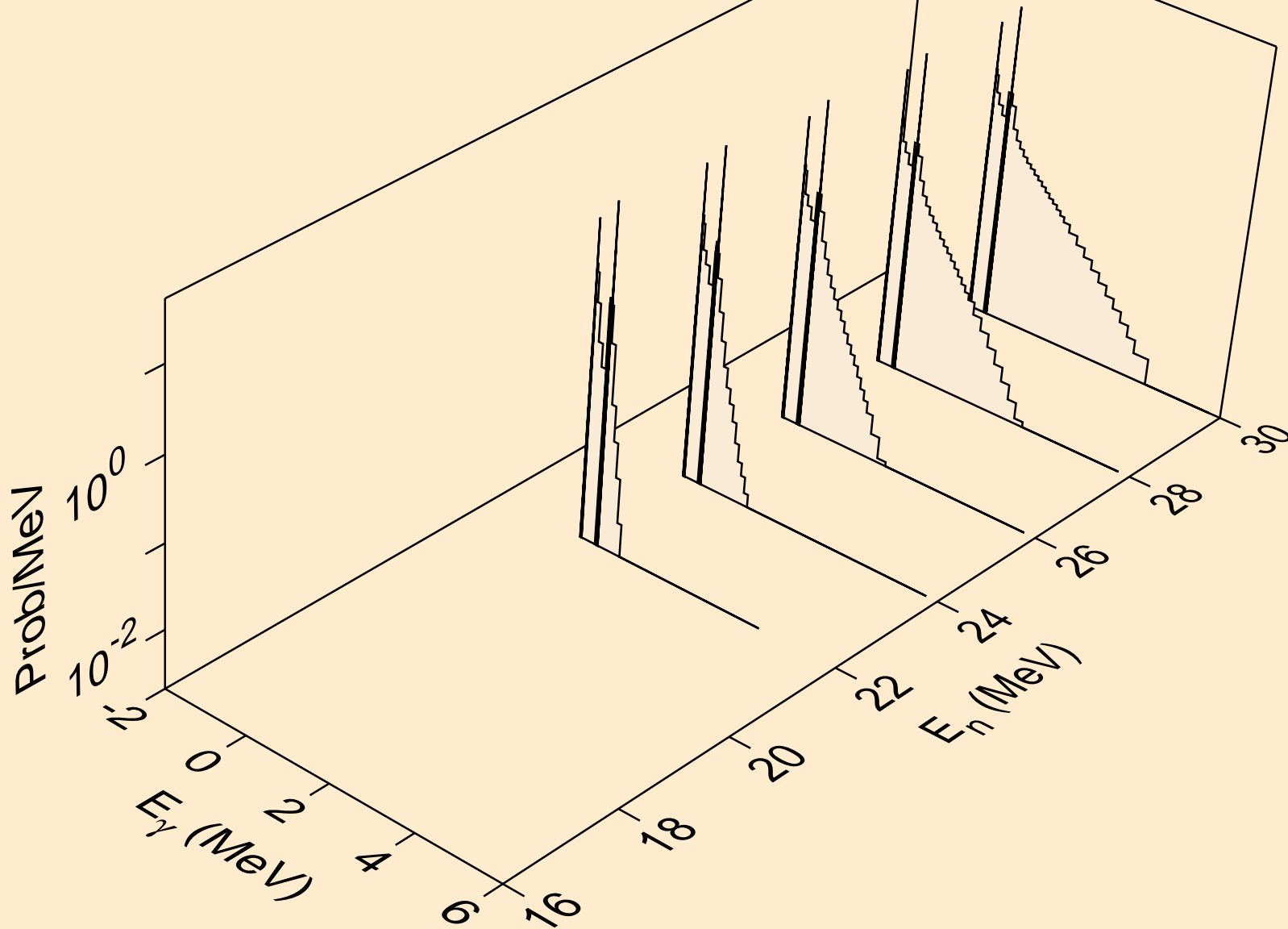


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

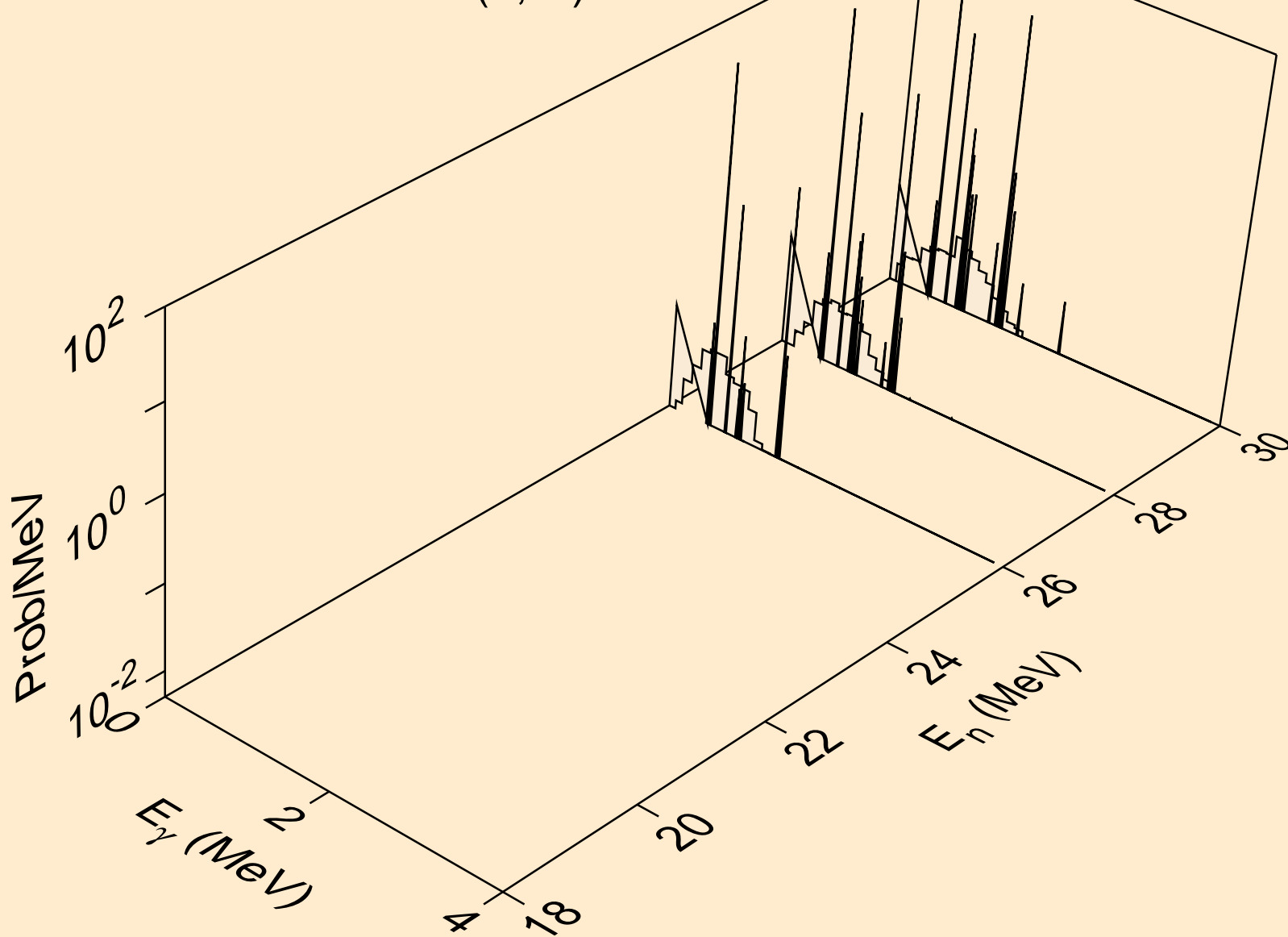




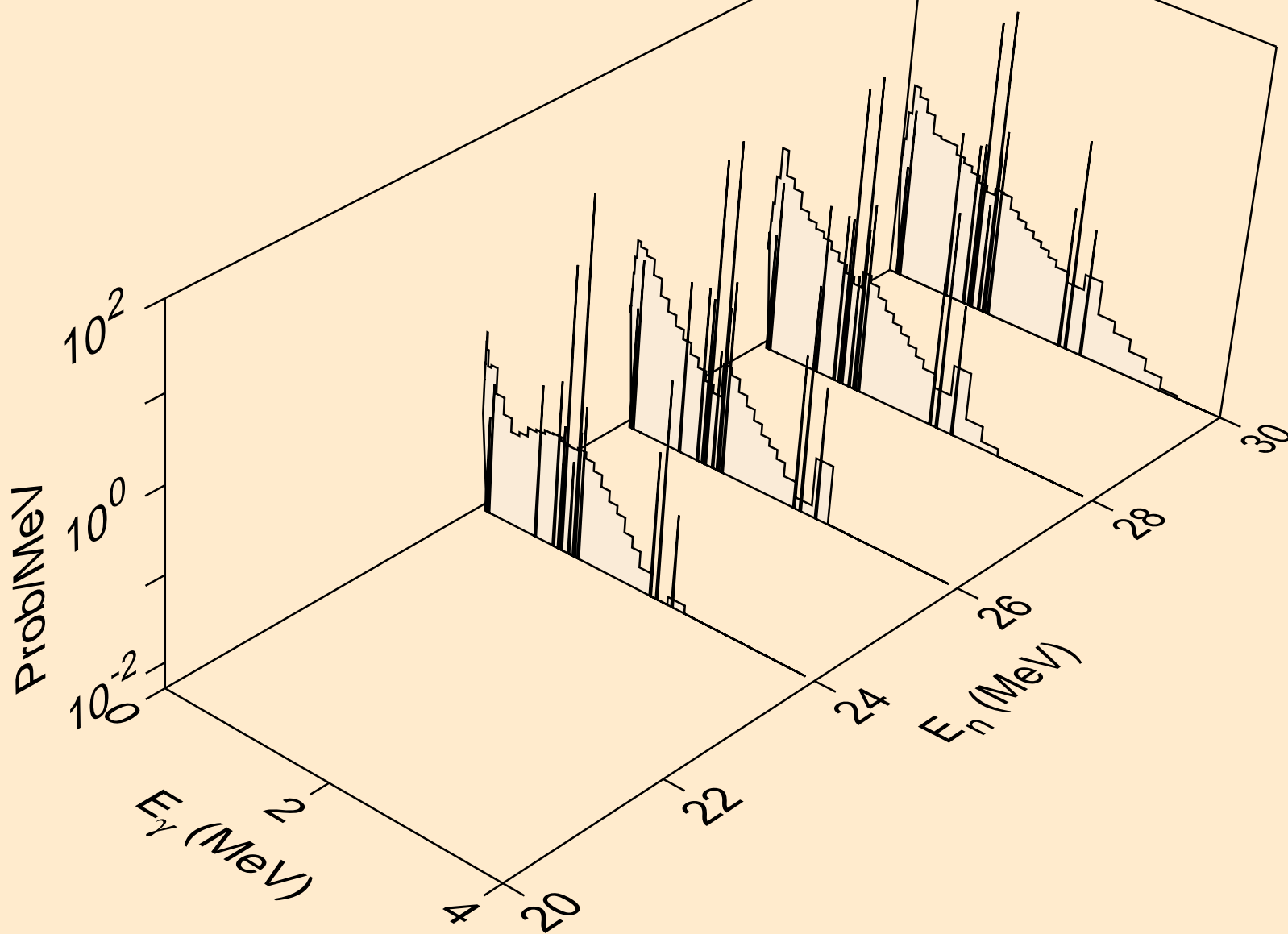
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



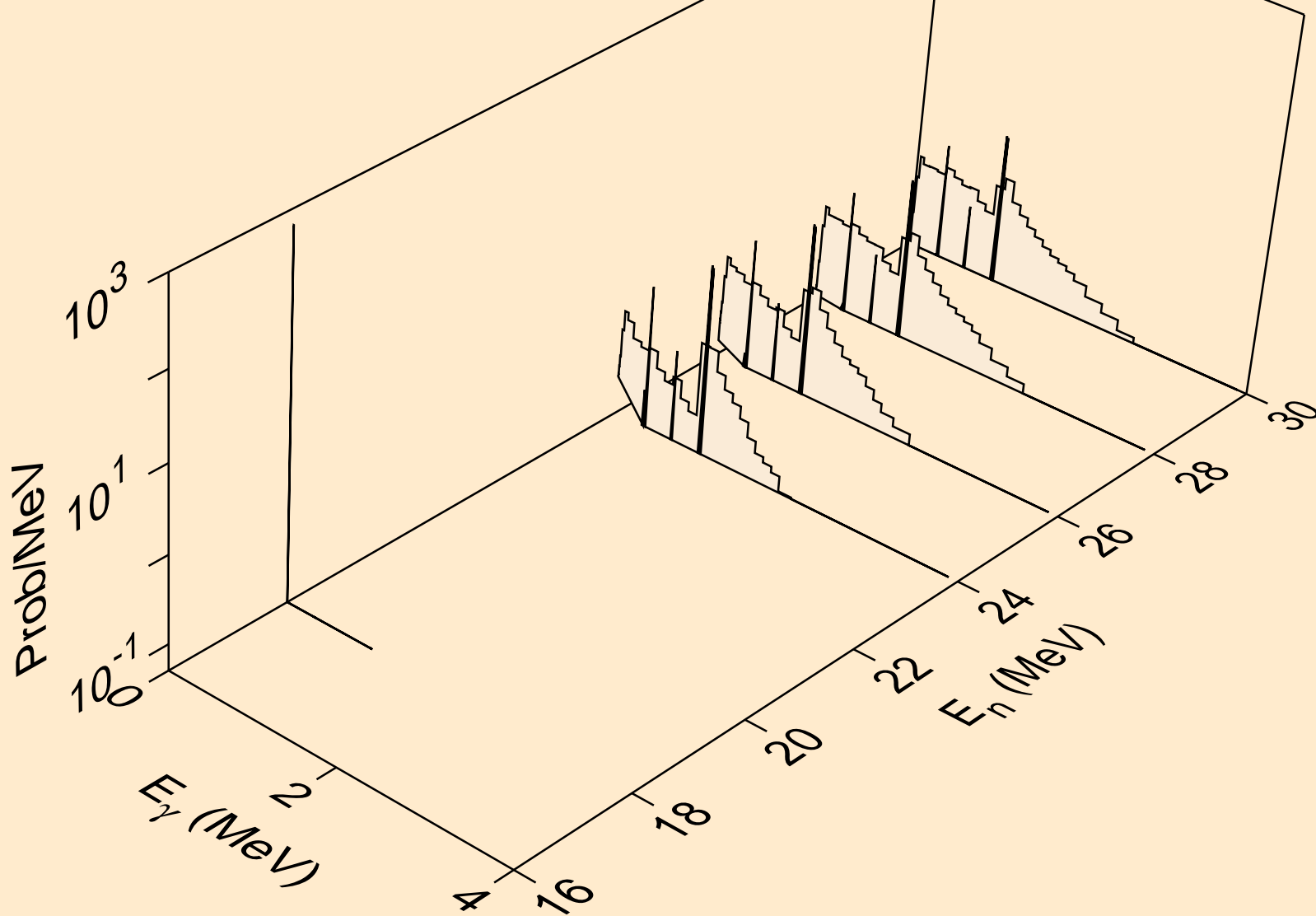
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



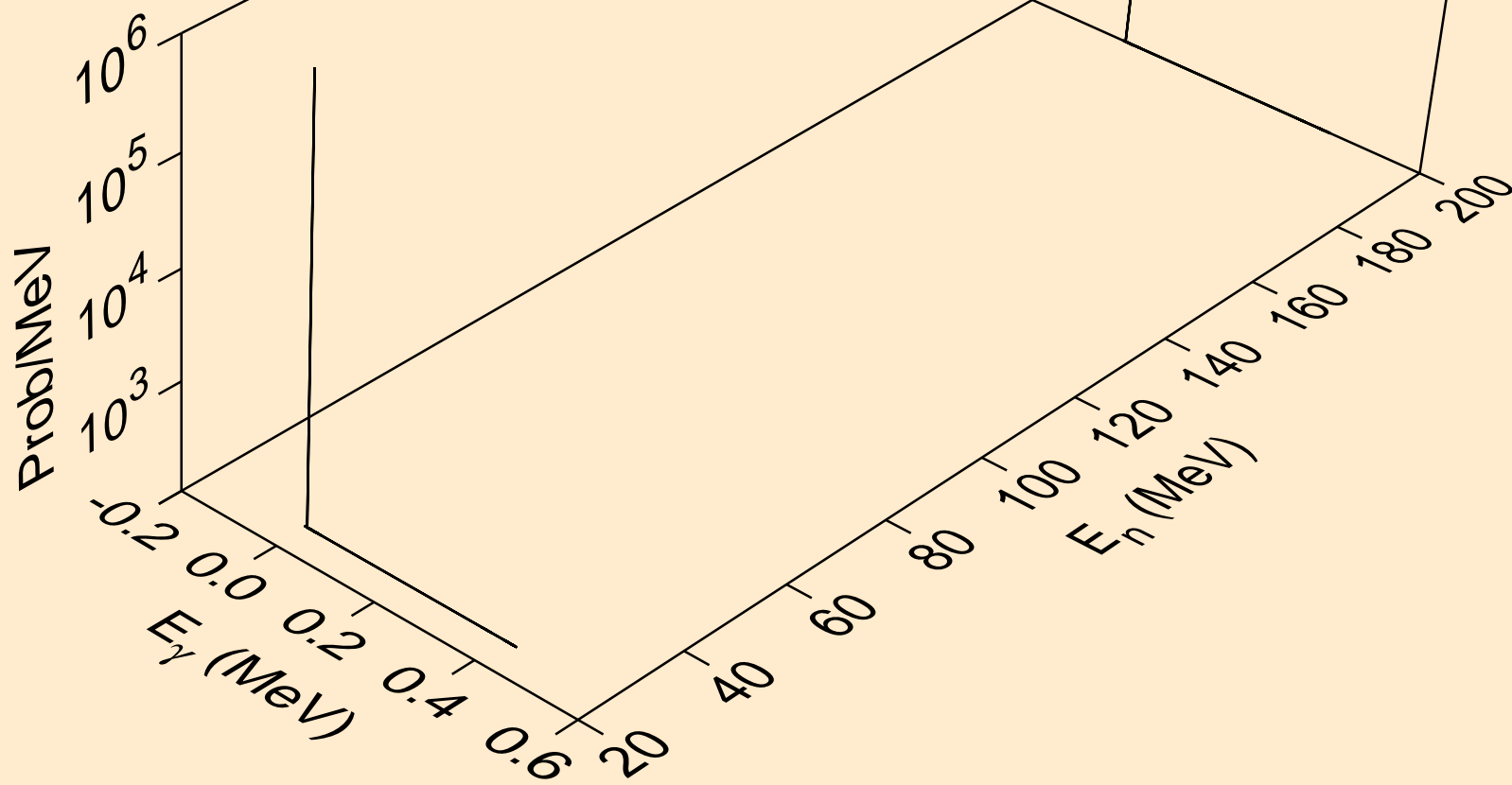
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Photon emission for (n,4n)



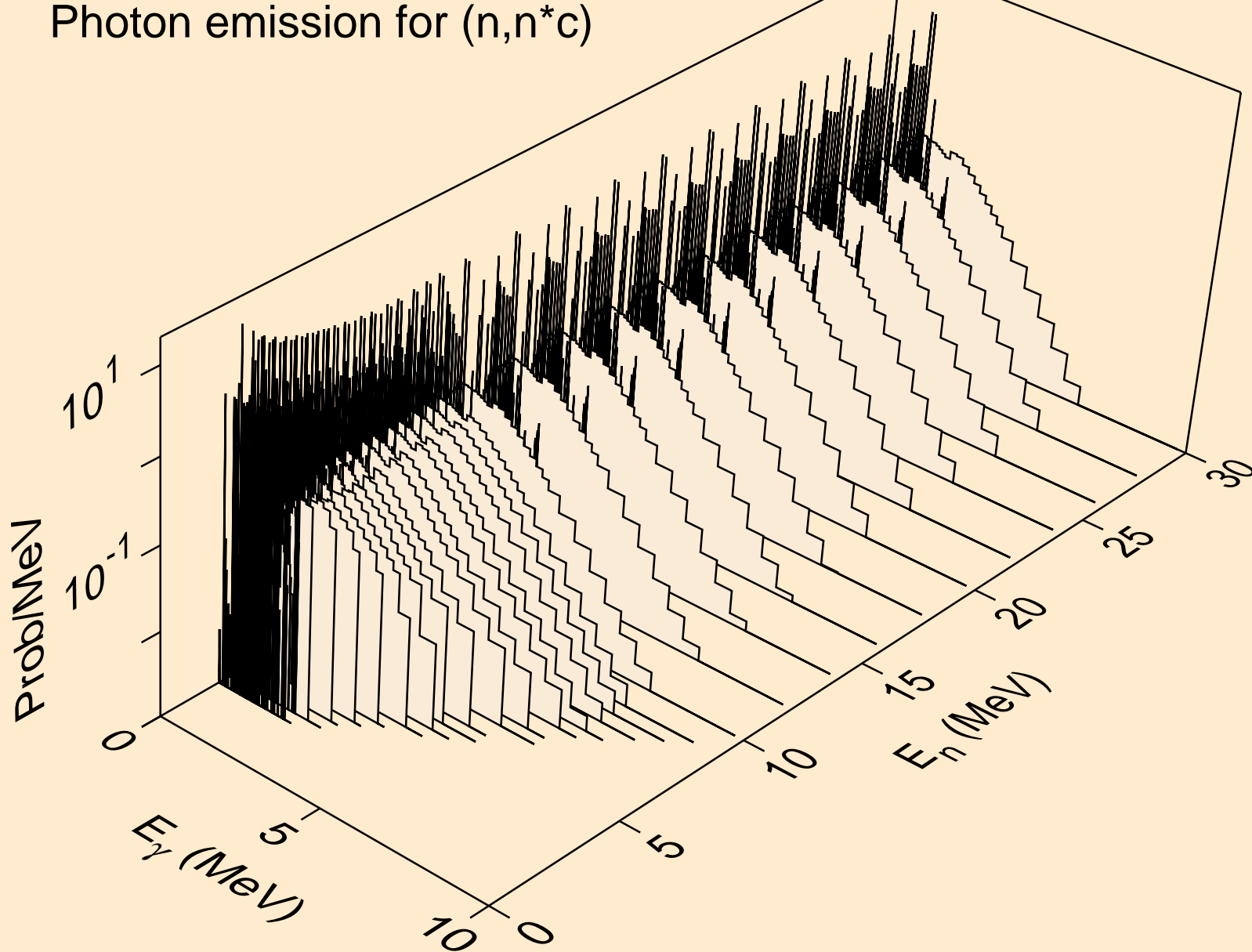
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



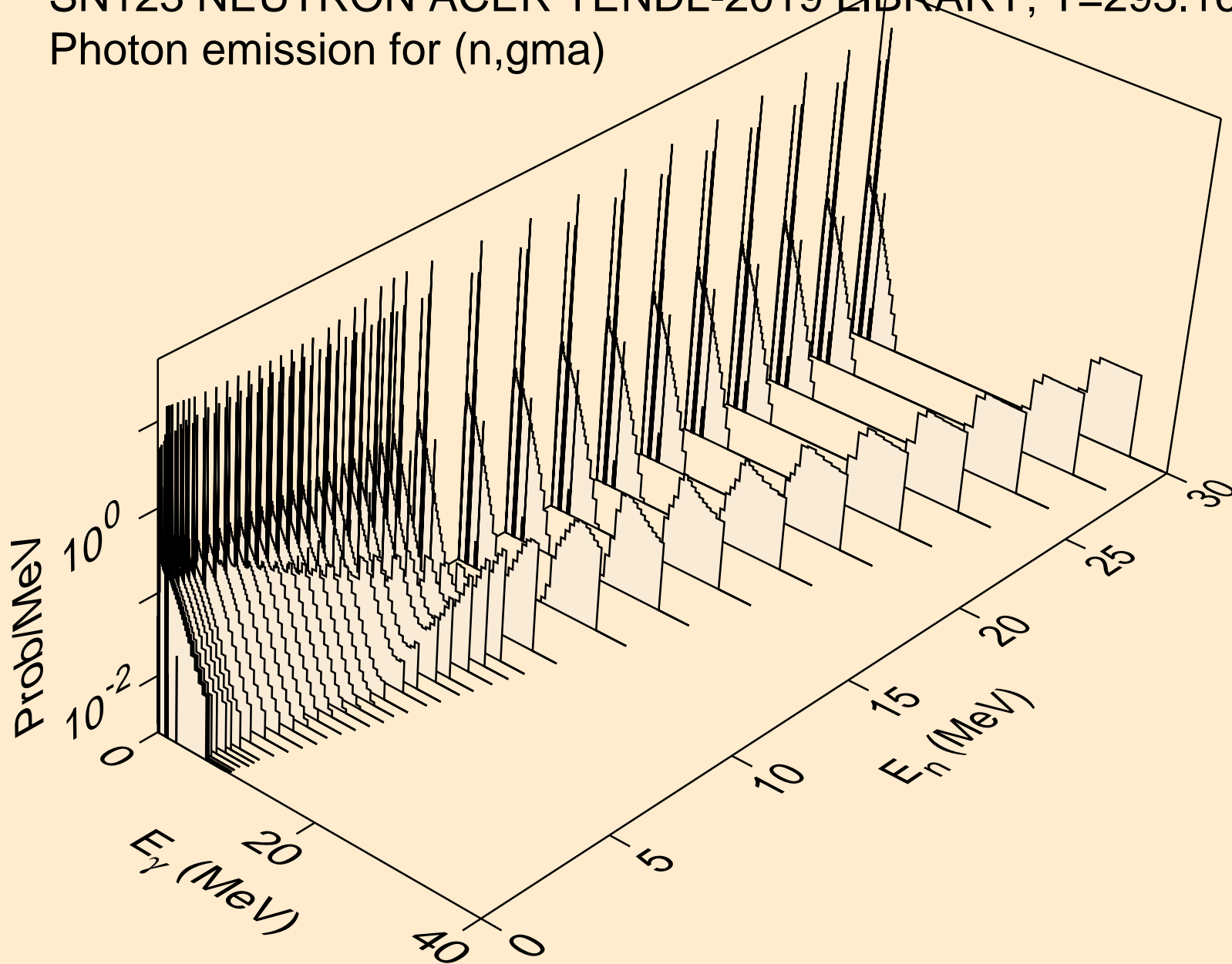
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



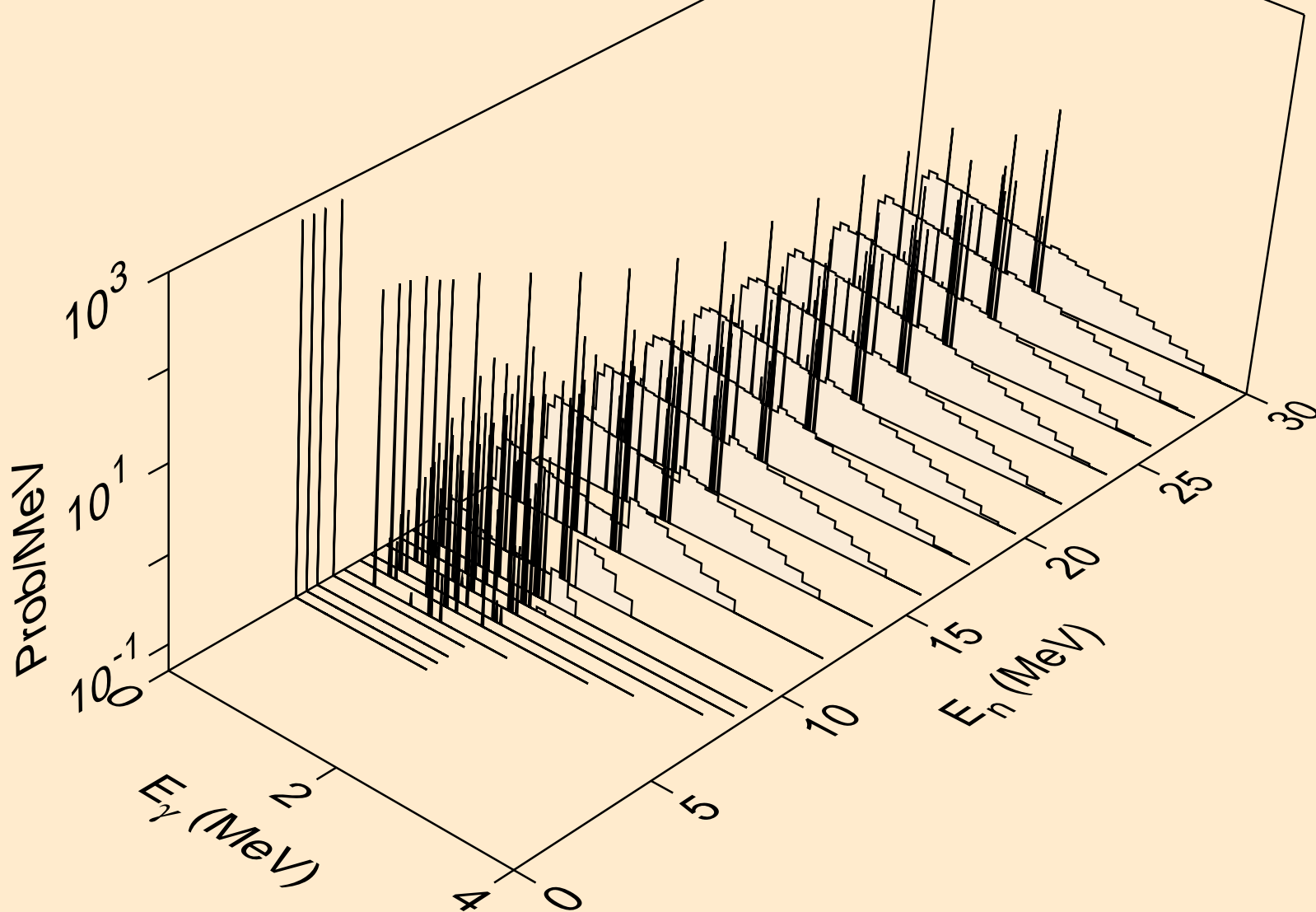
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

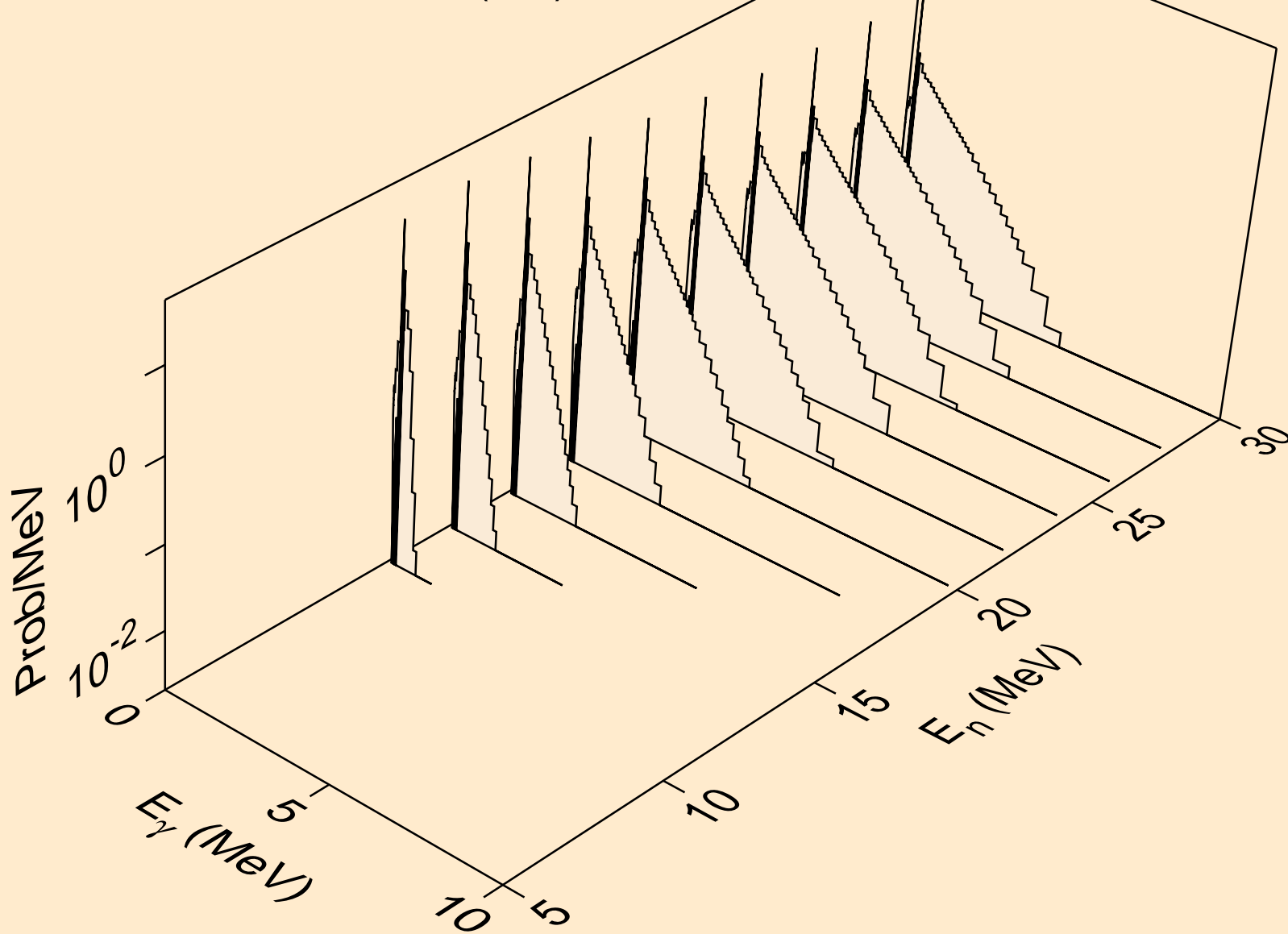


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

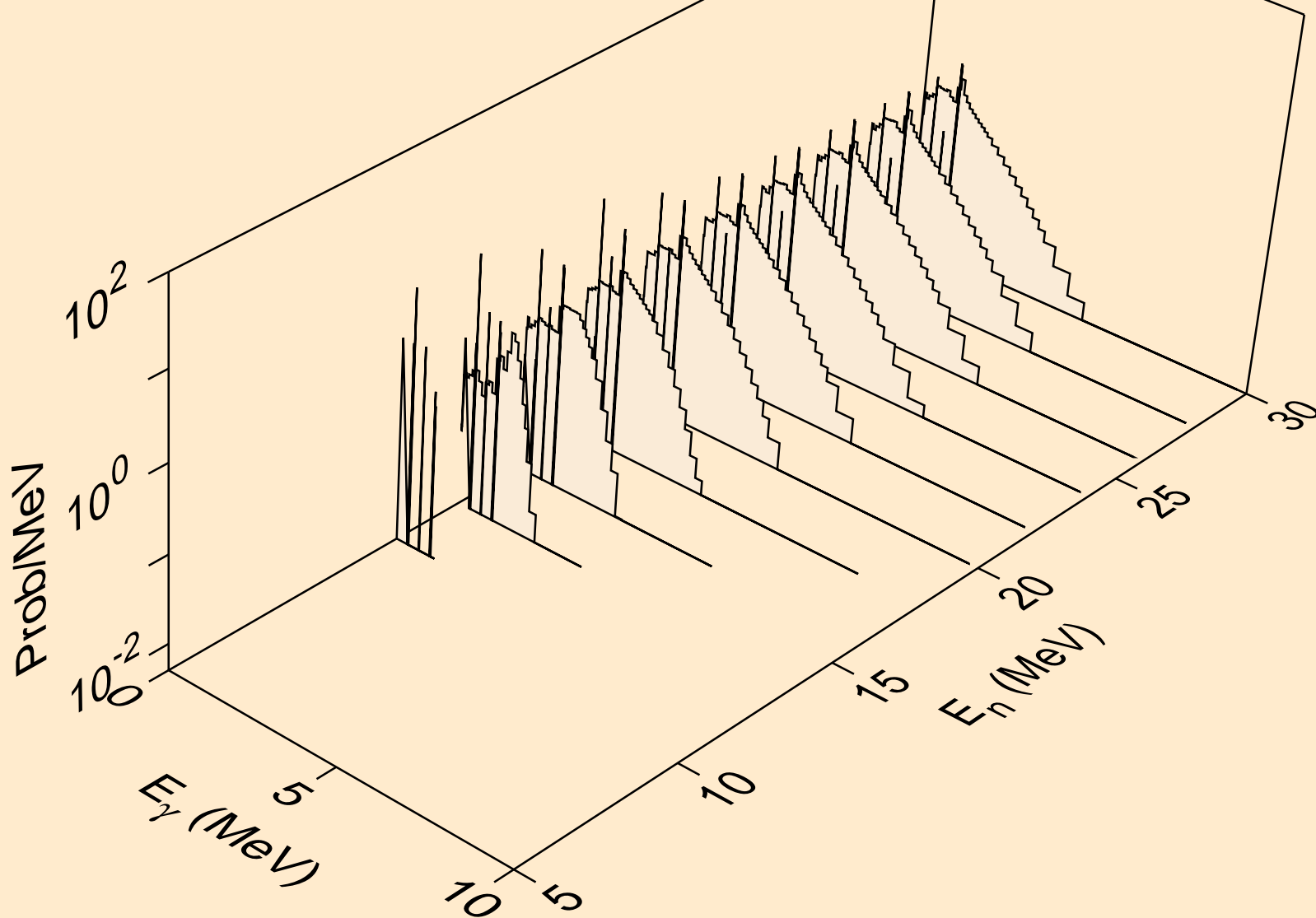




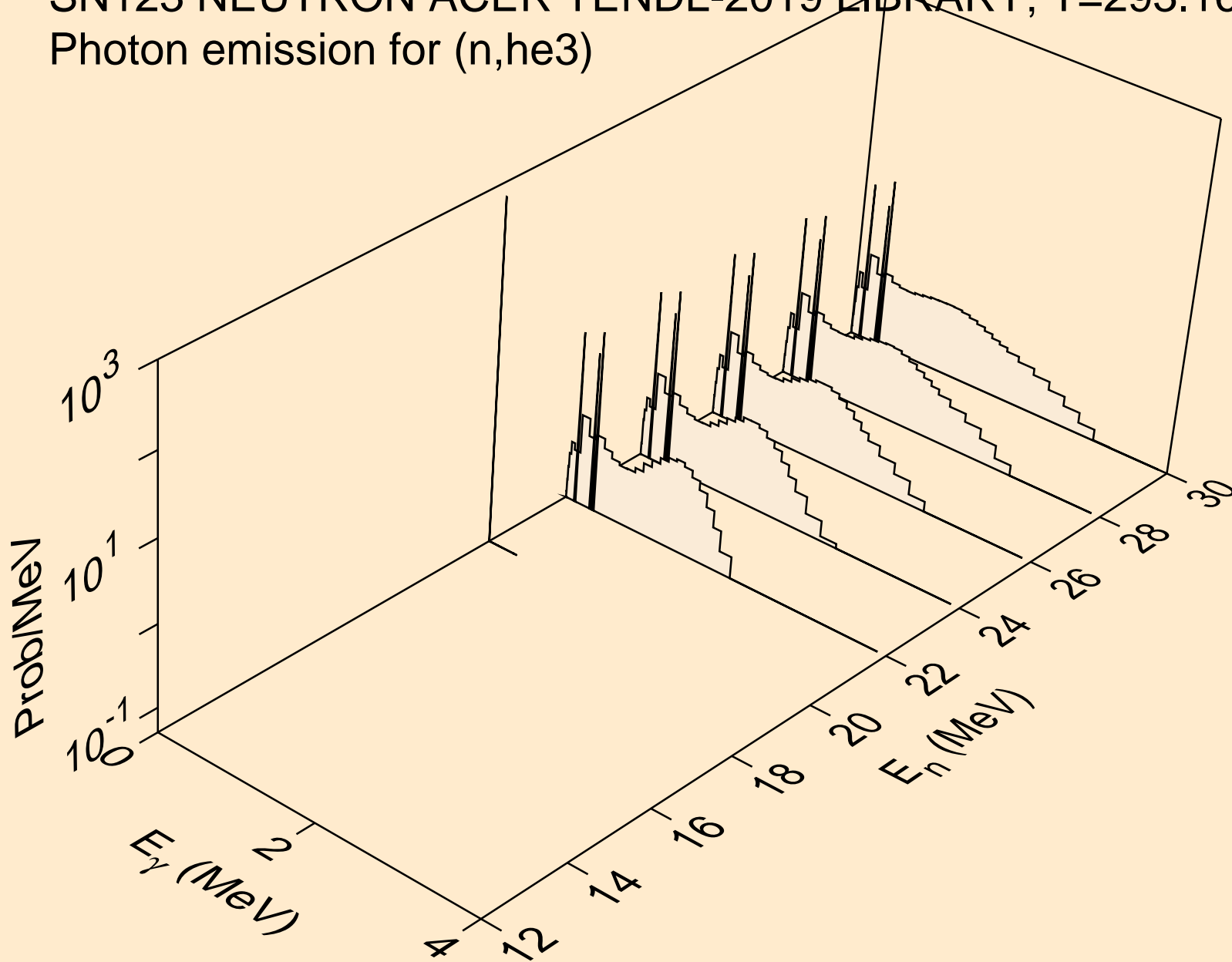
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



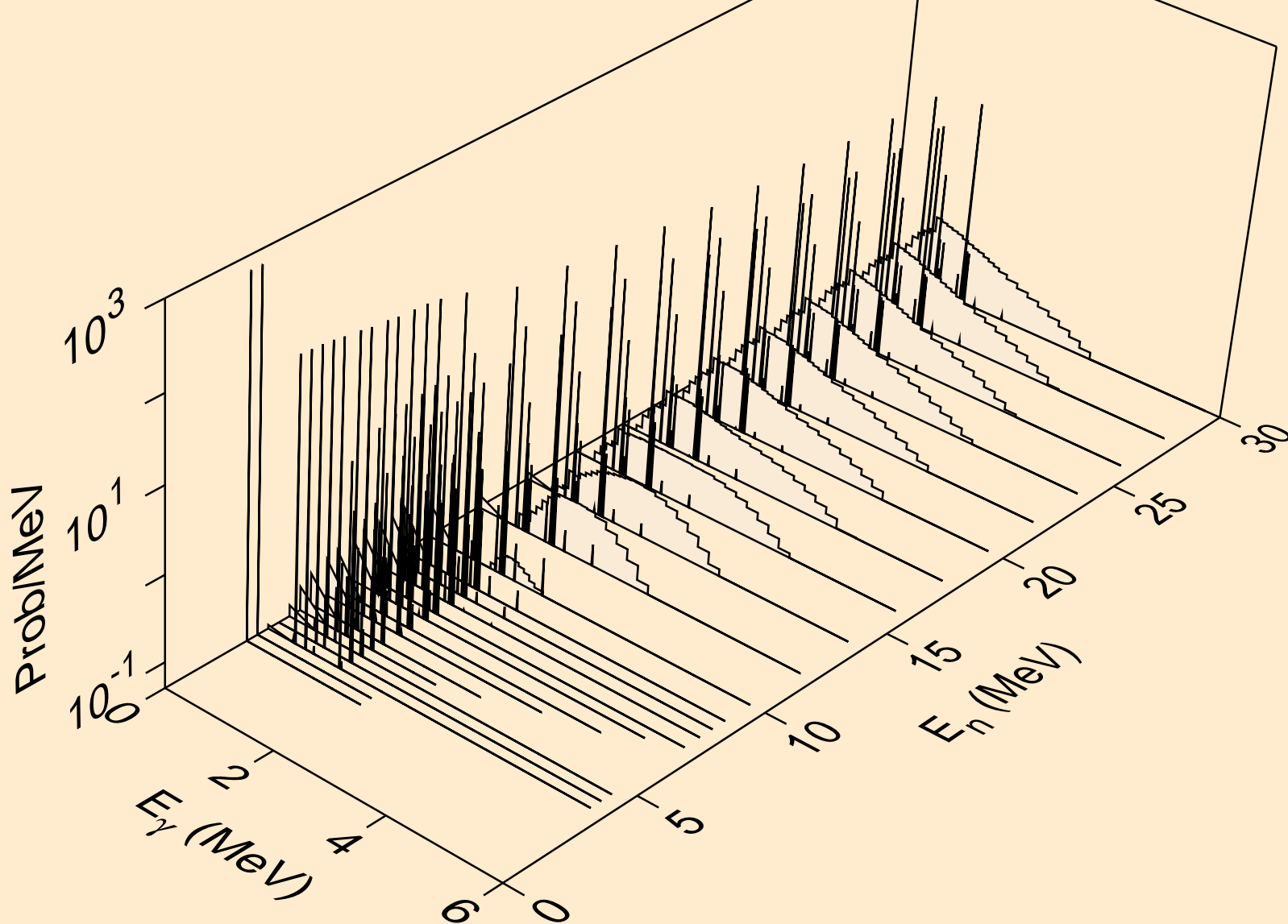
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Photon emission for (n,t)



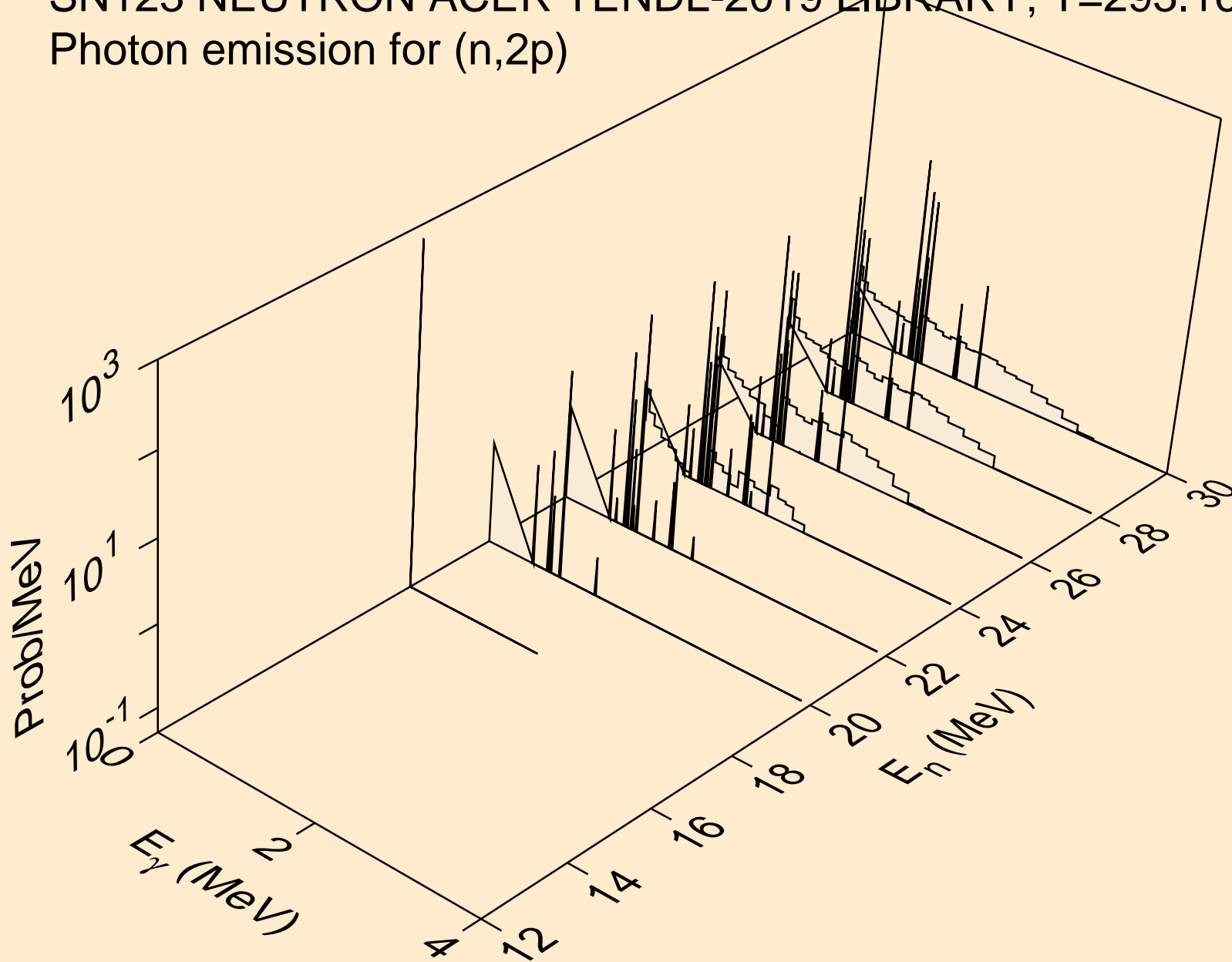
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Photon emission for (n,he3)



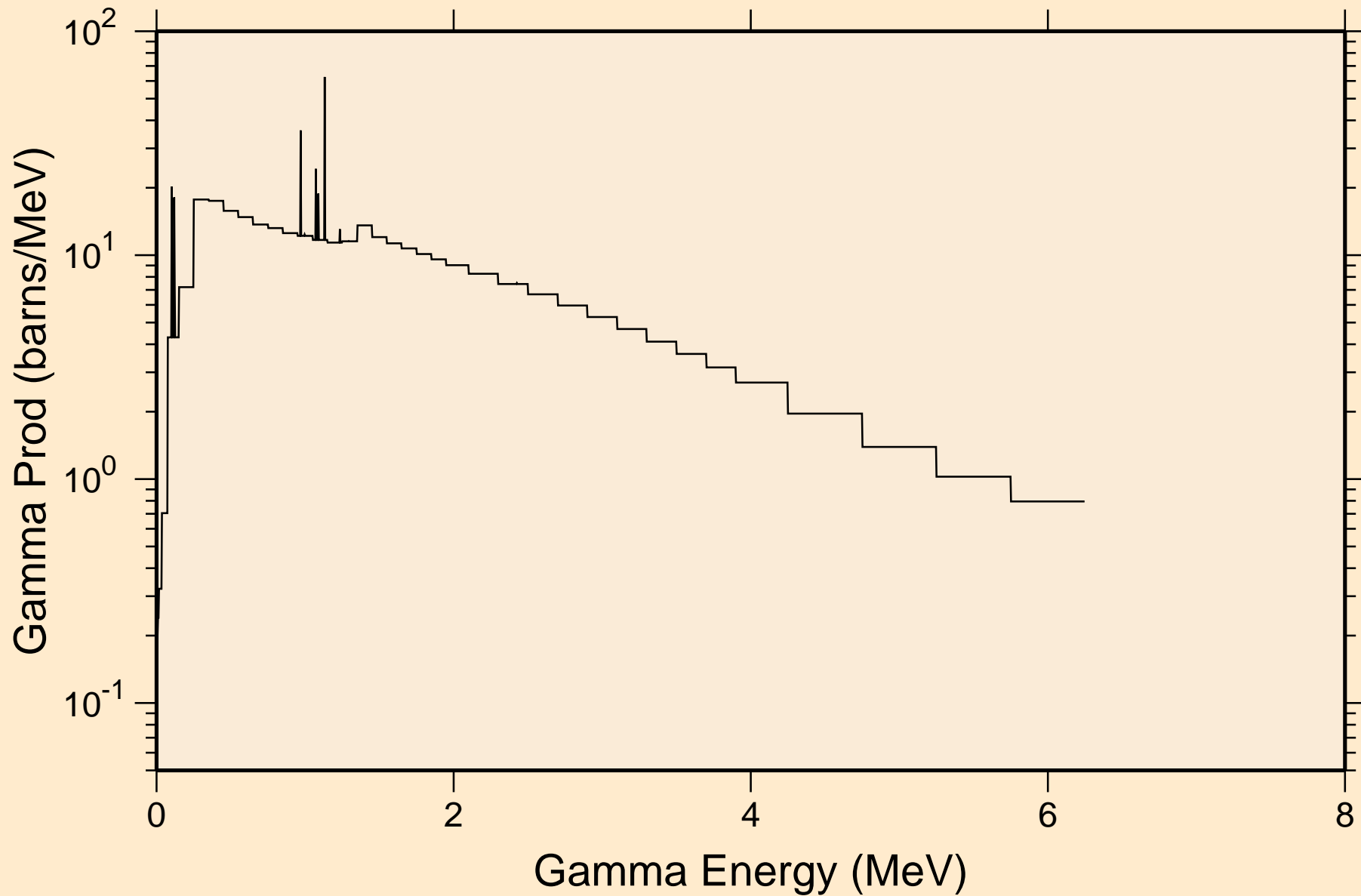
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Photon emission for (n,a)



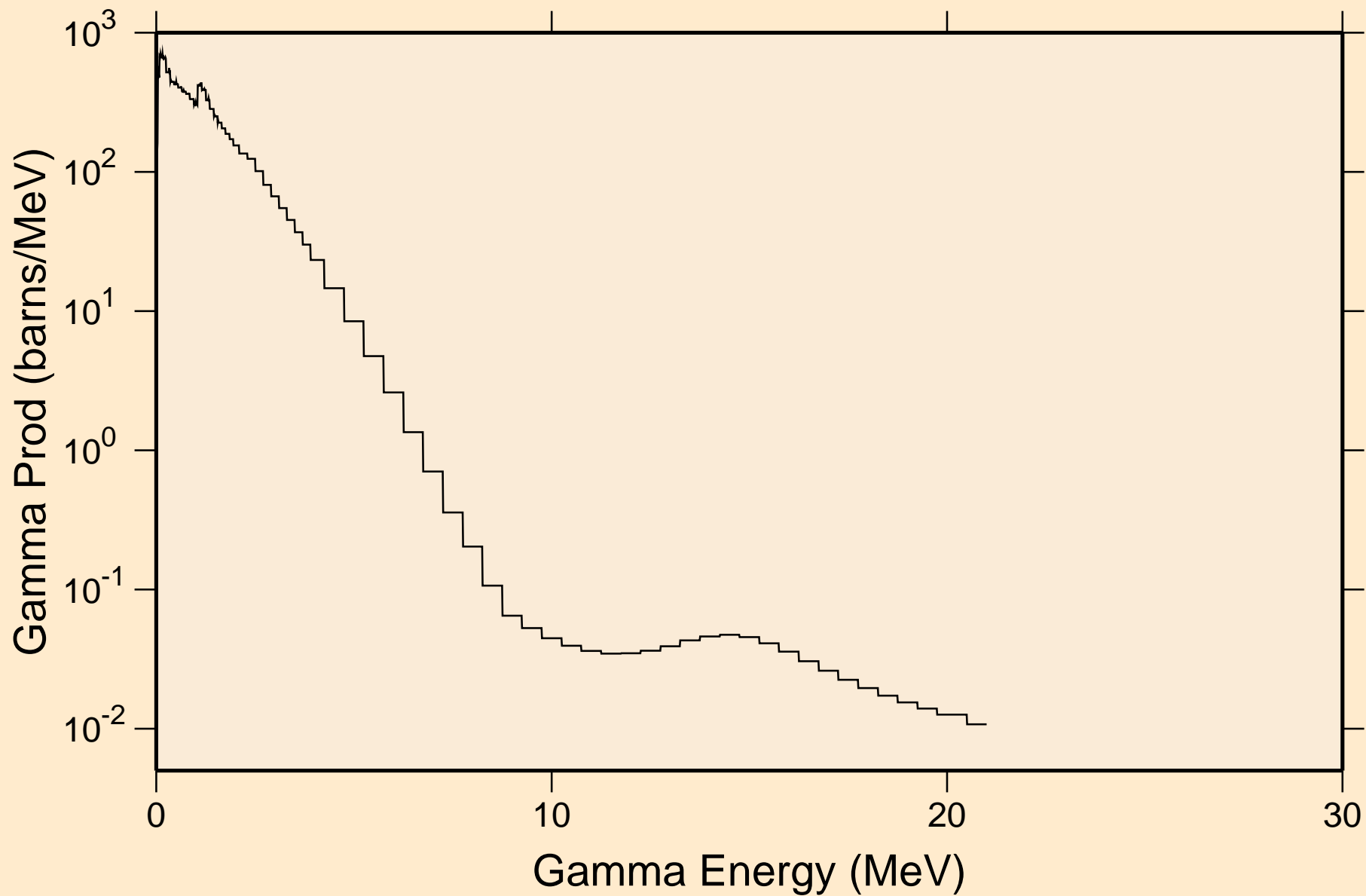
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

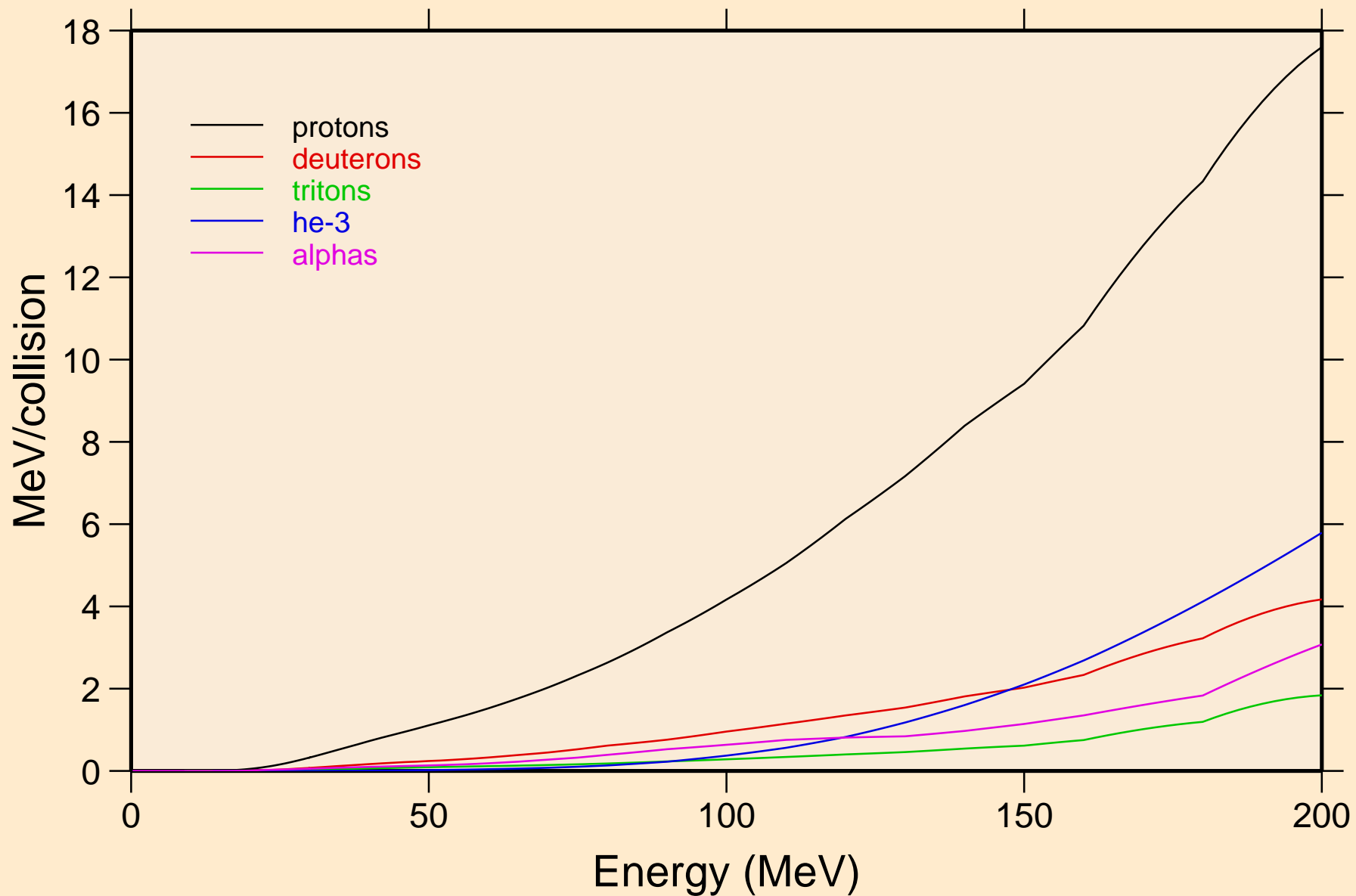


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



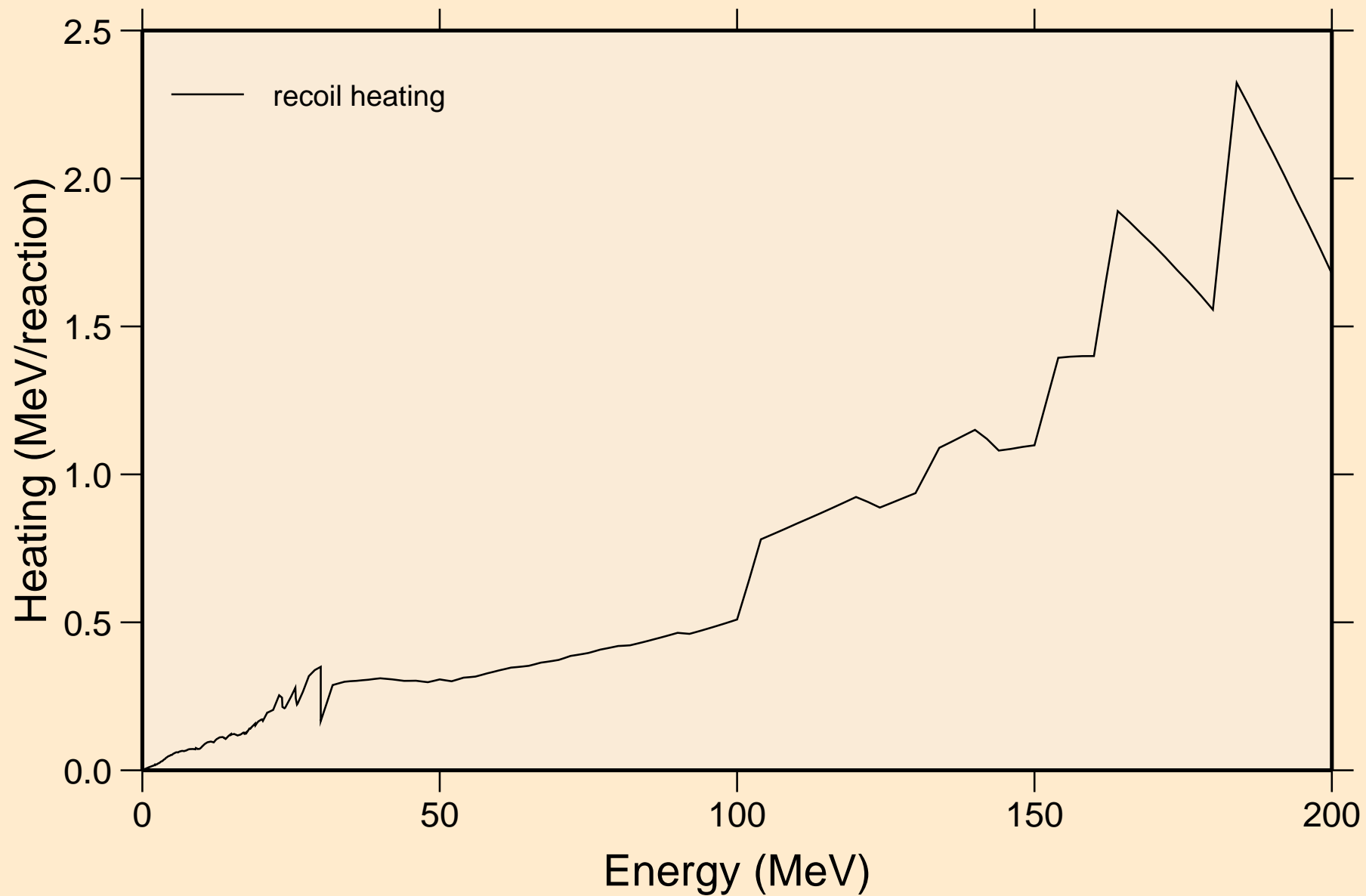
# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



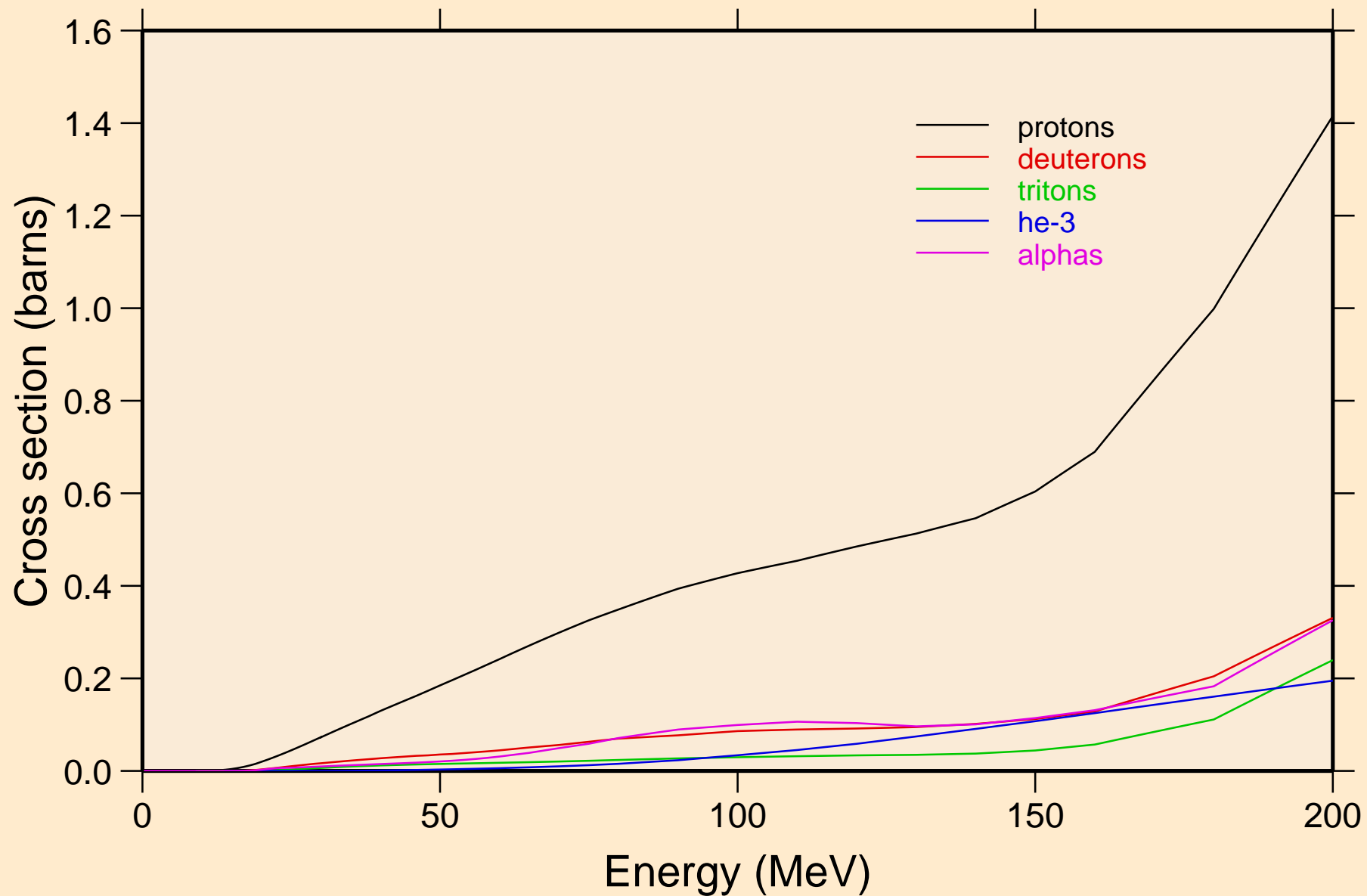


SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

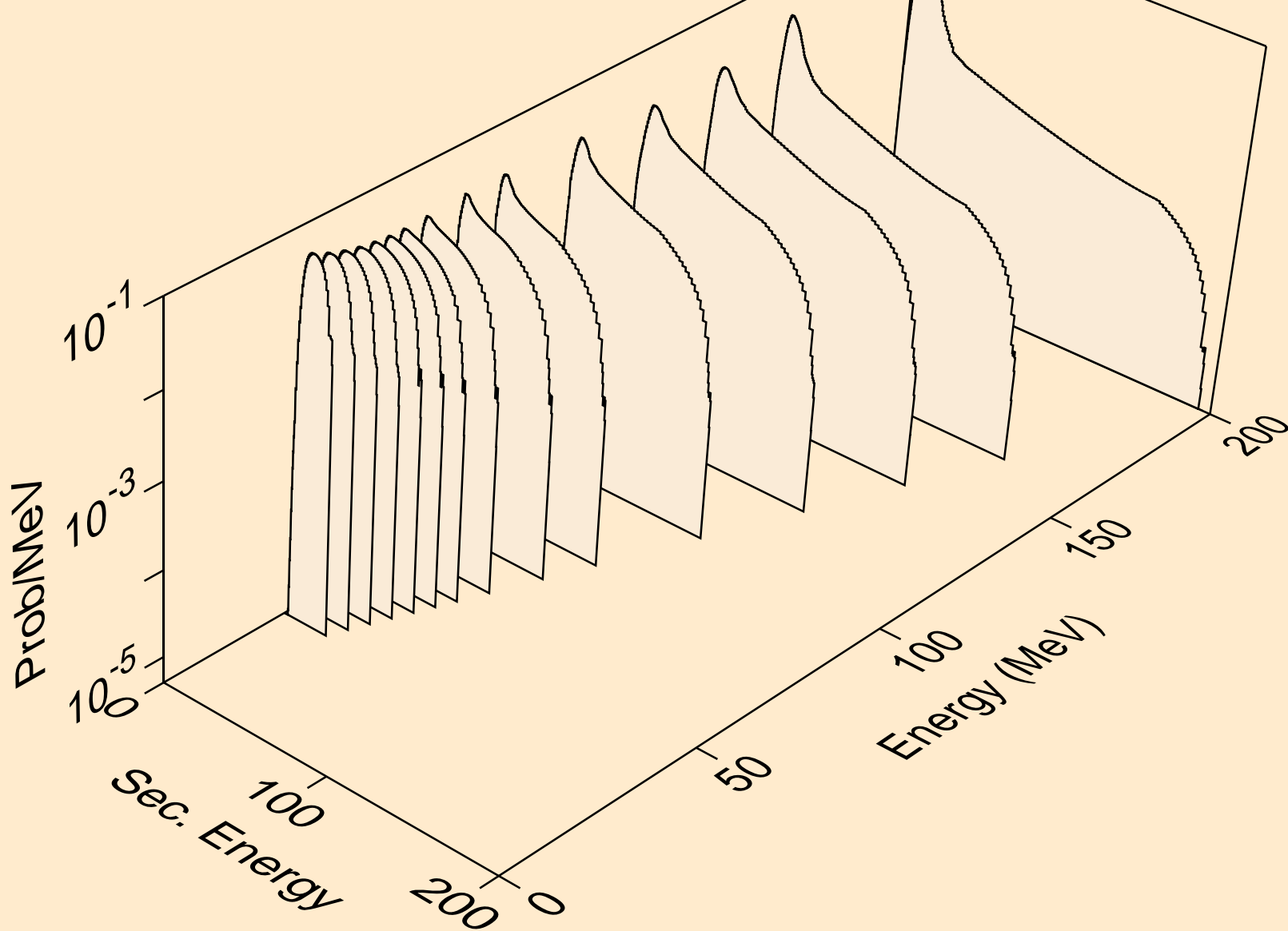


# SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

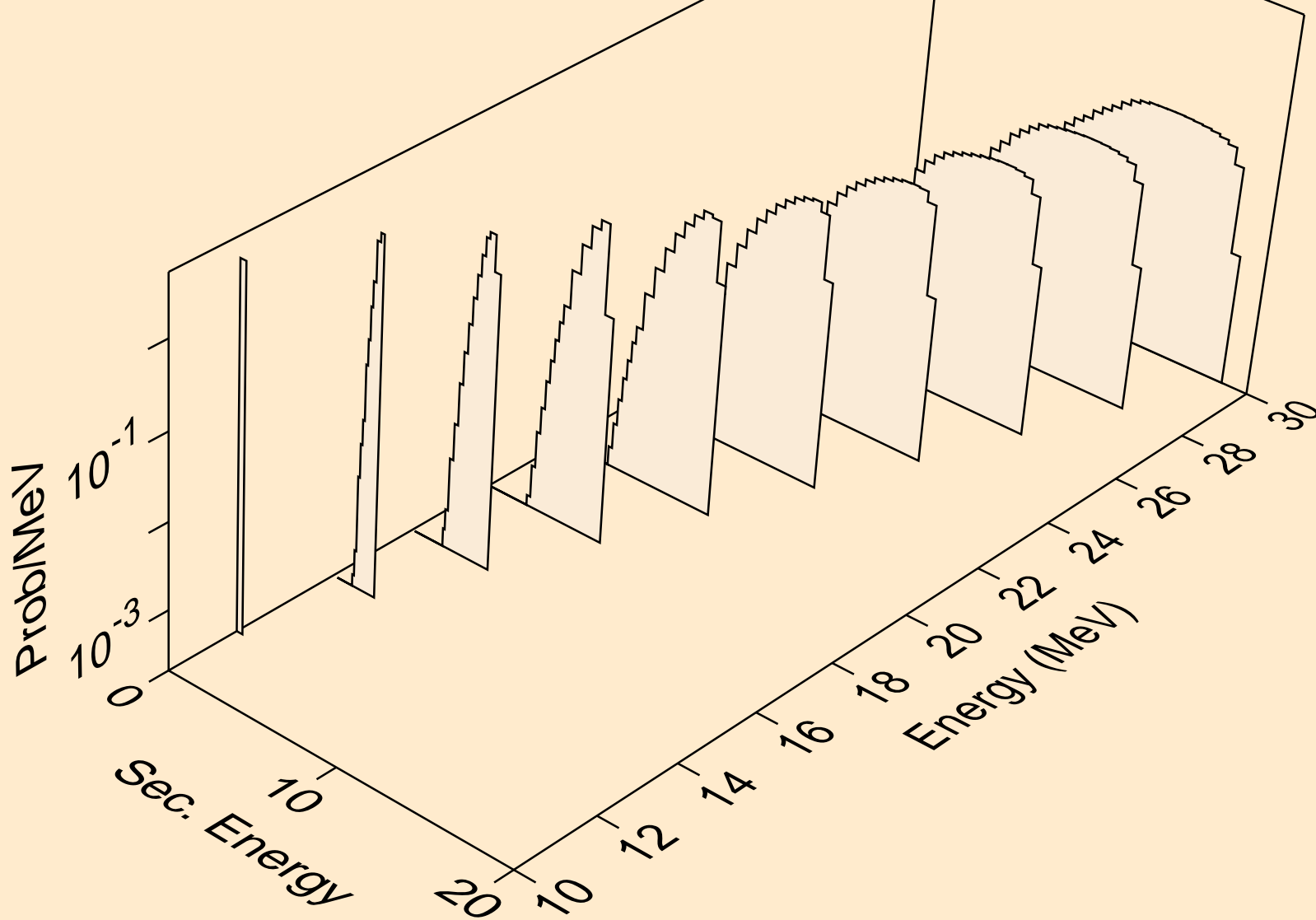
## Particle production cross sections



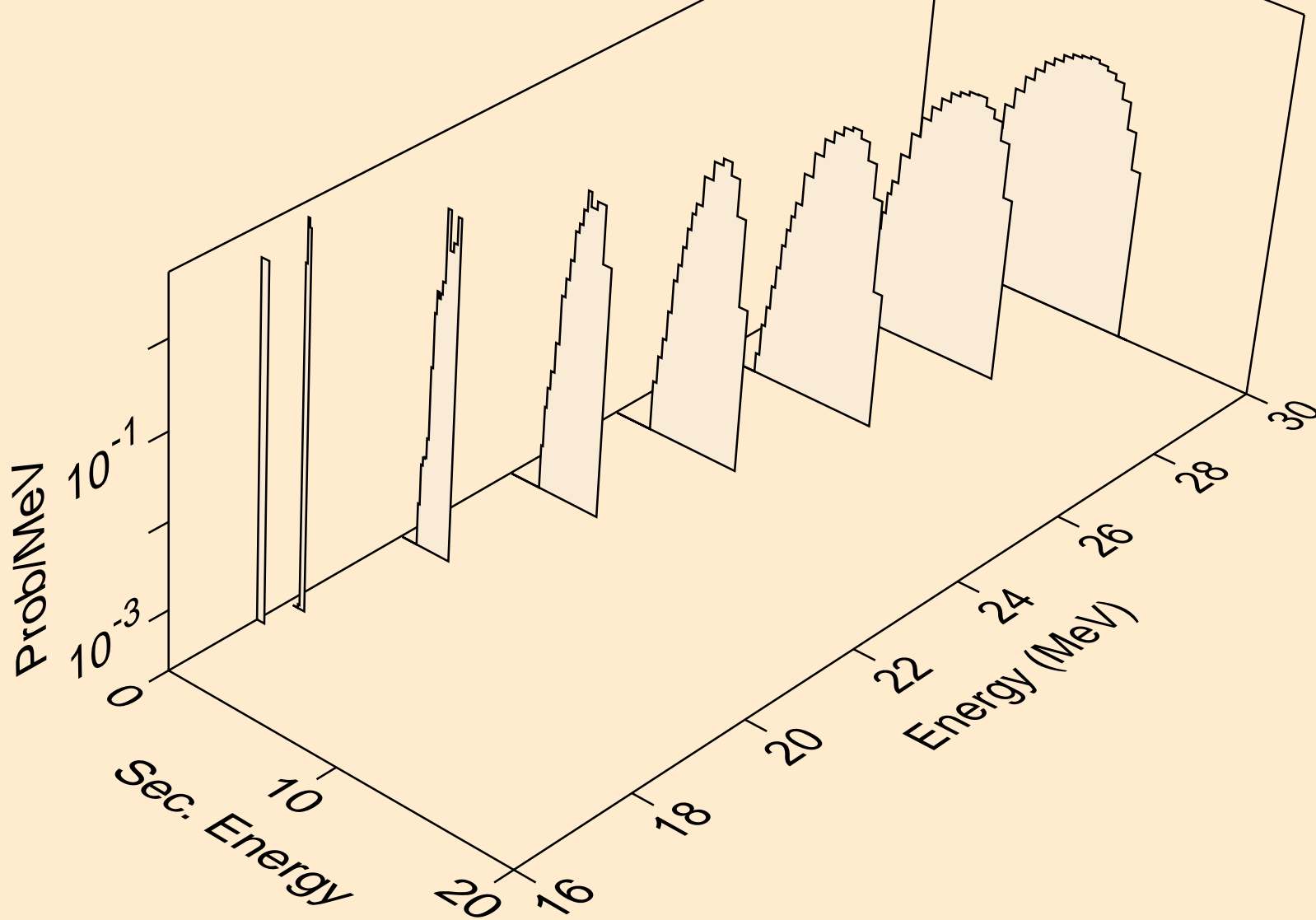
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



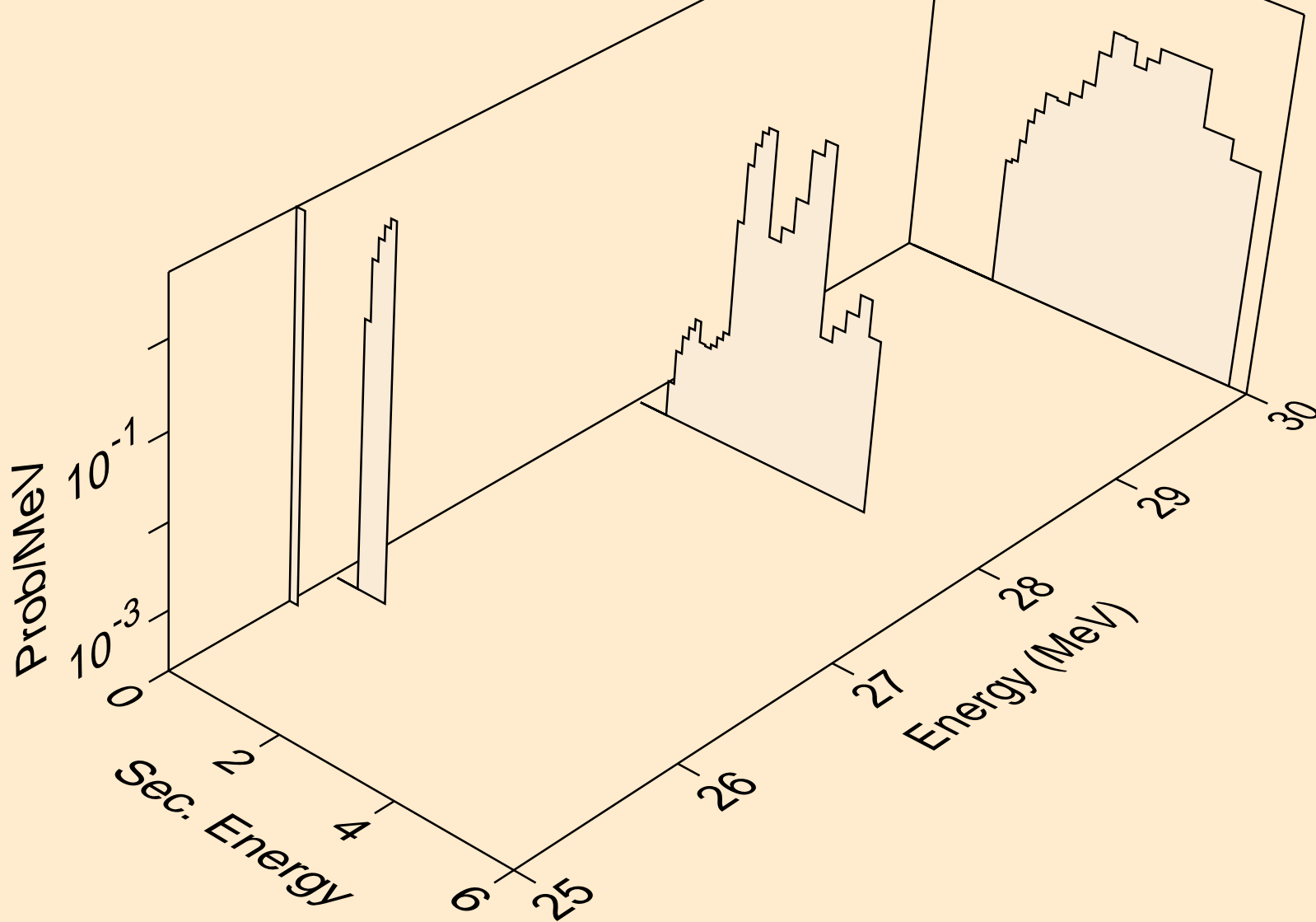
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



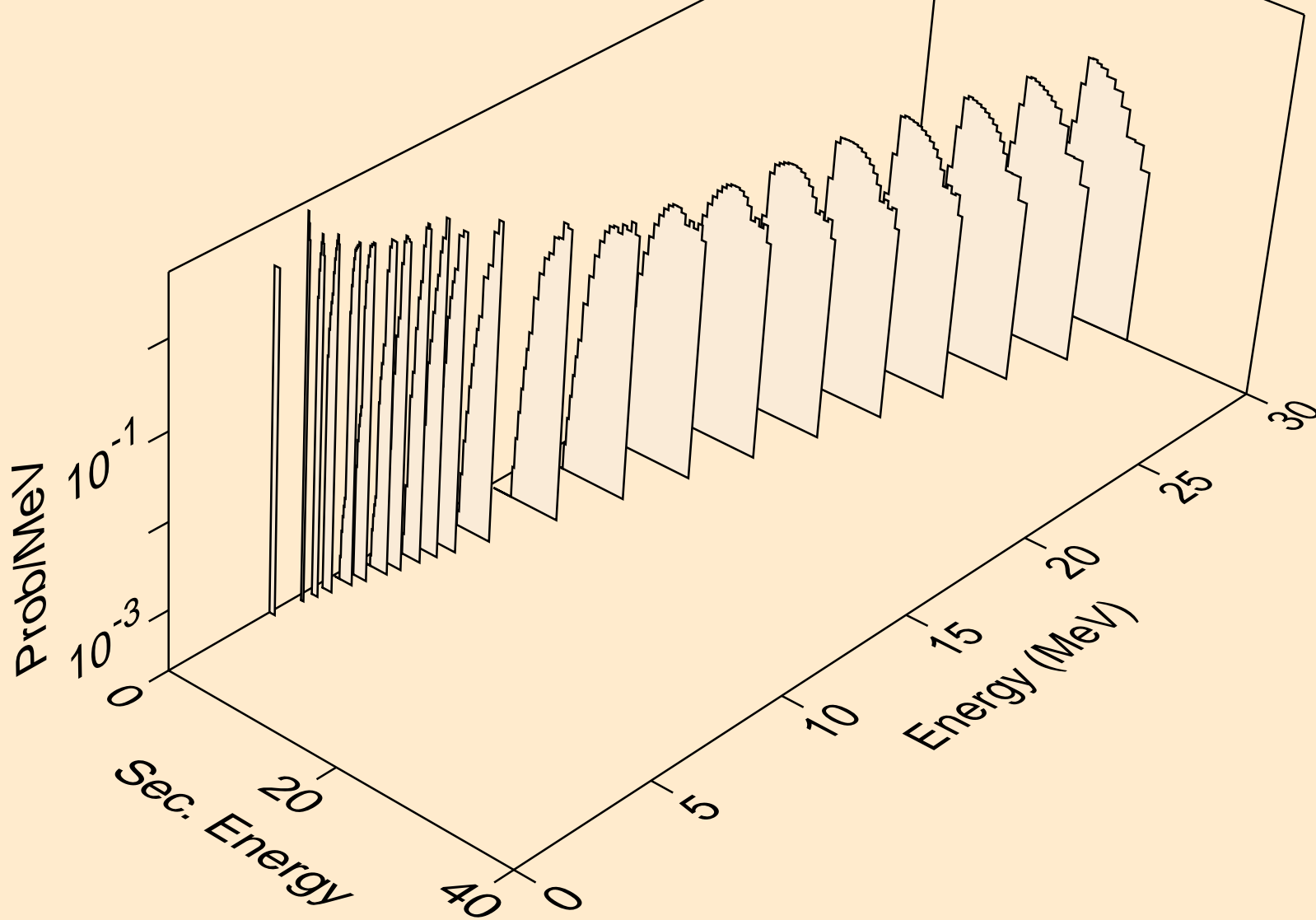
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protons from (n,2np)



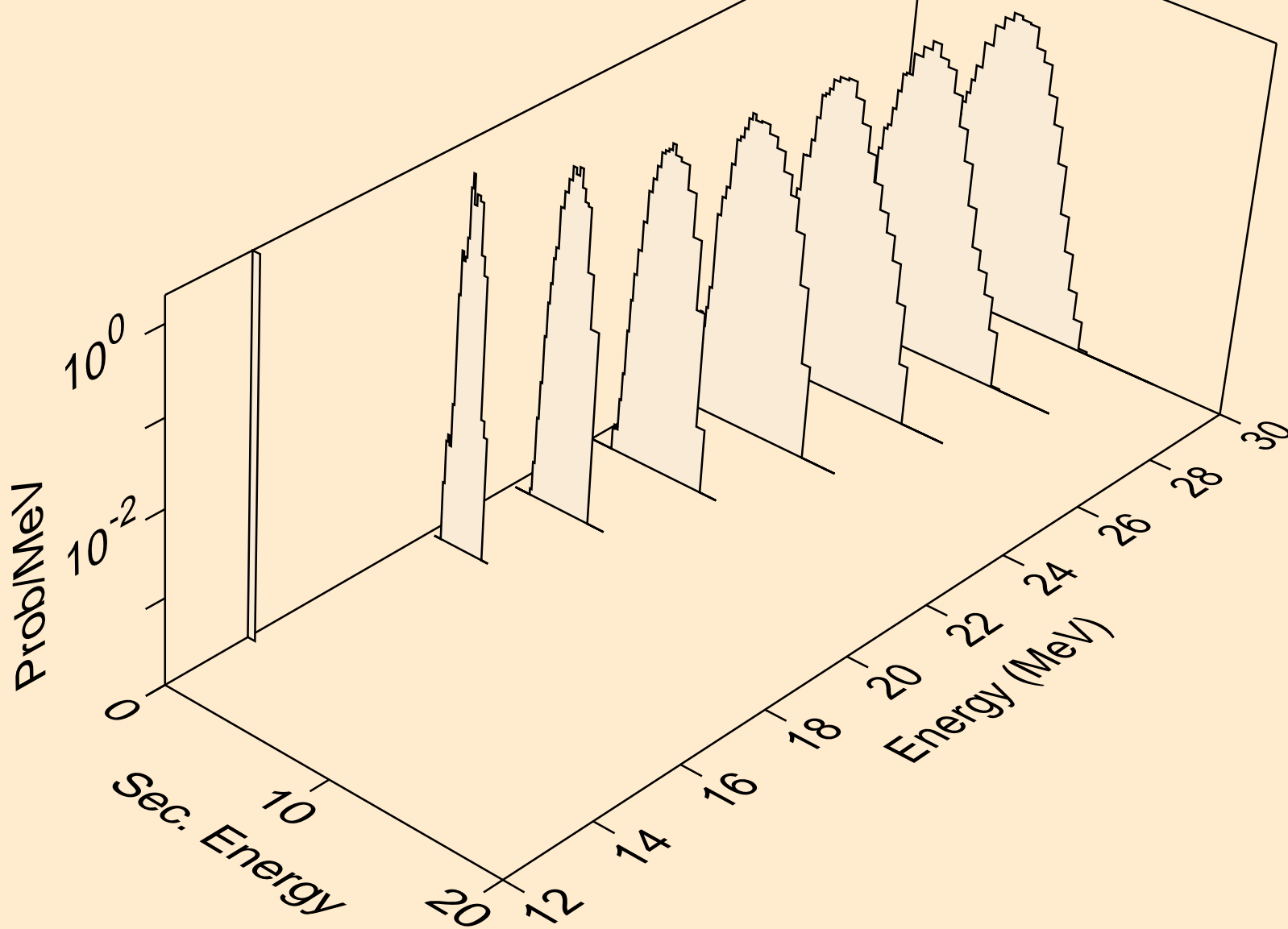
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

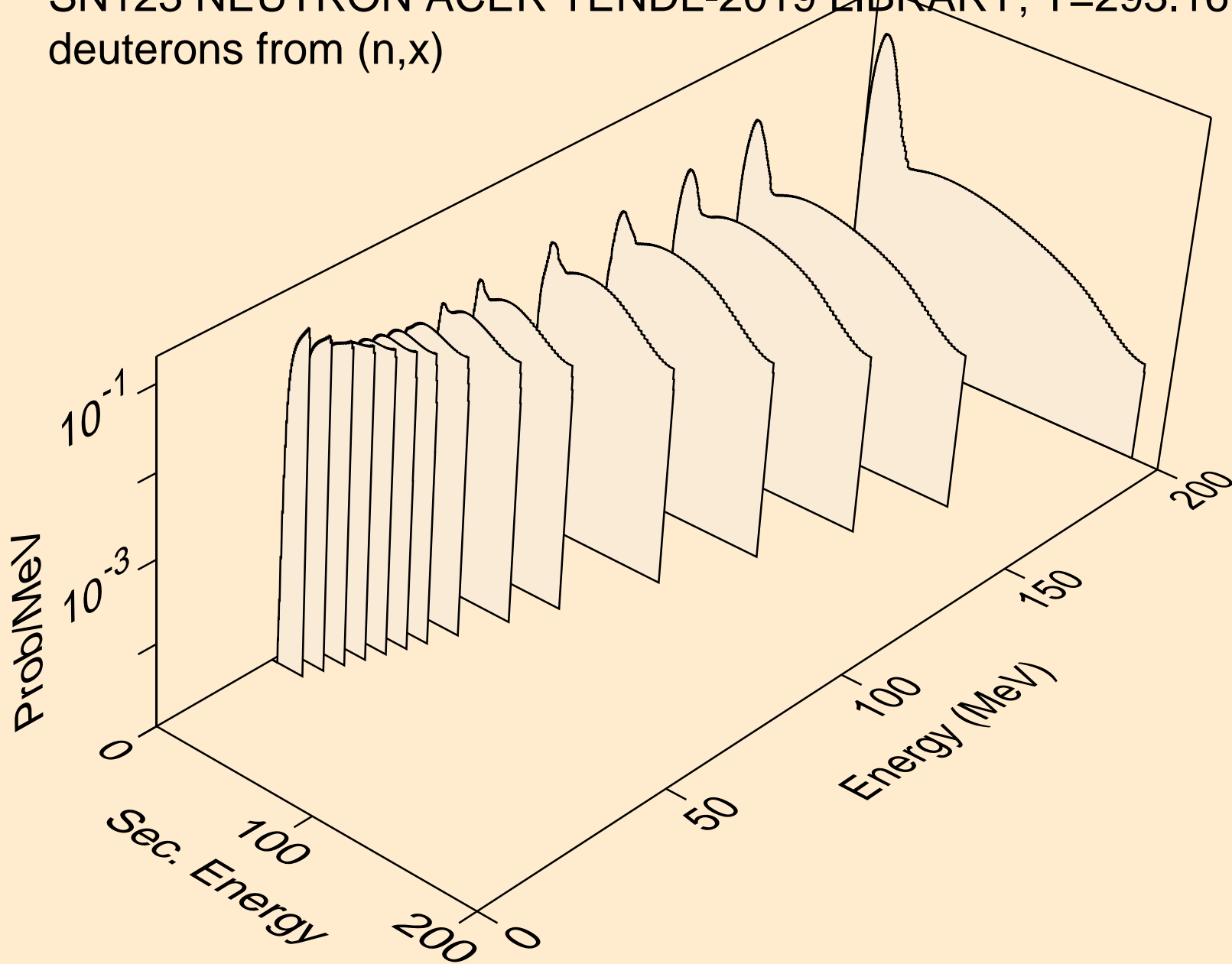


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protons from (n,2p)

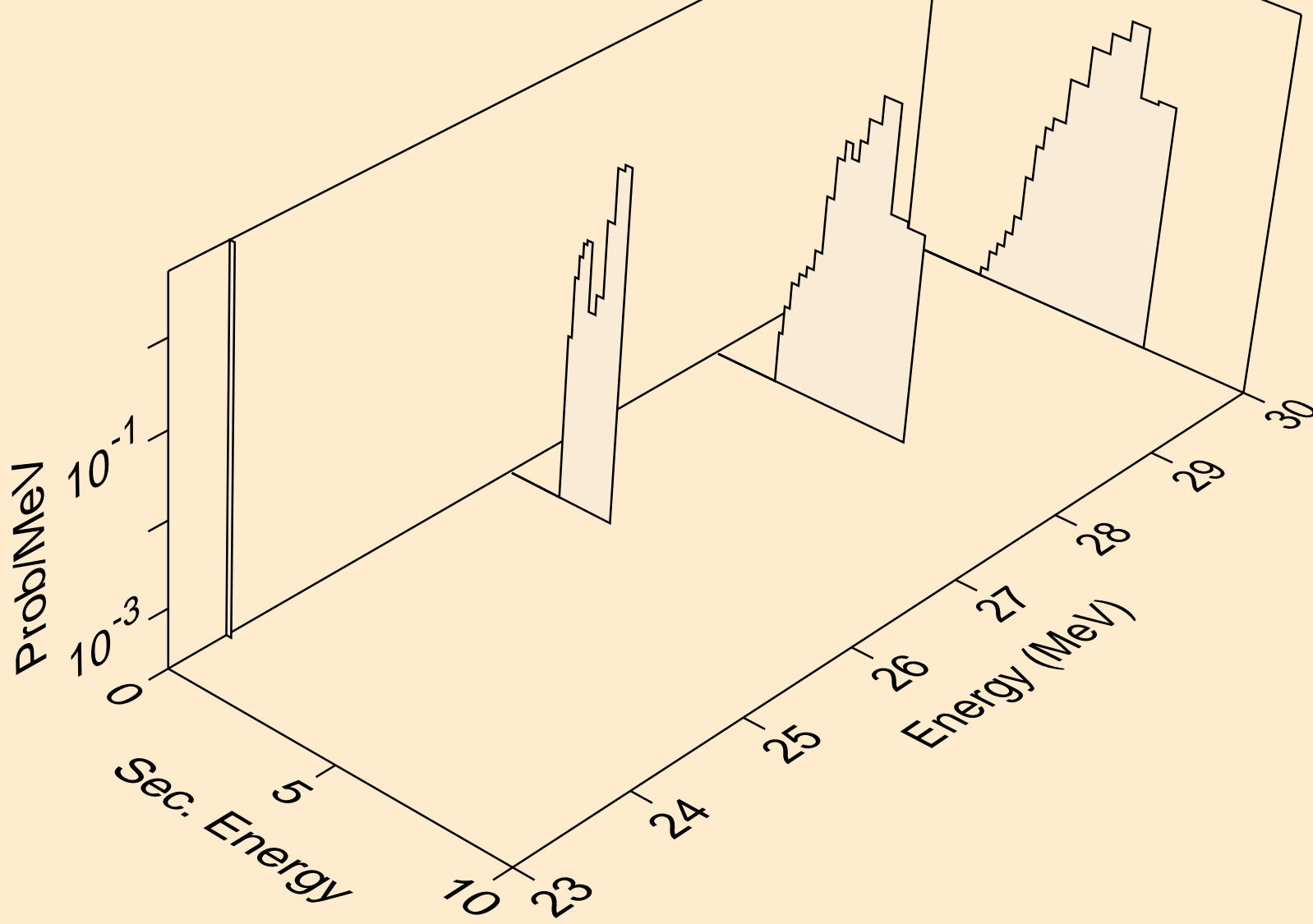




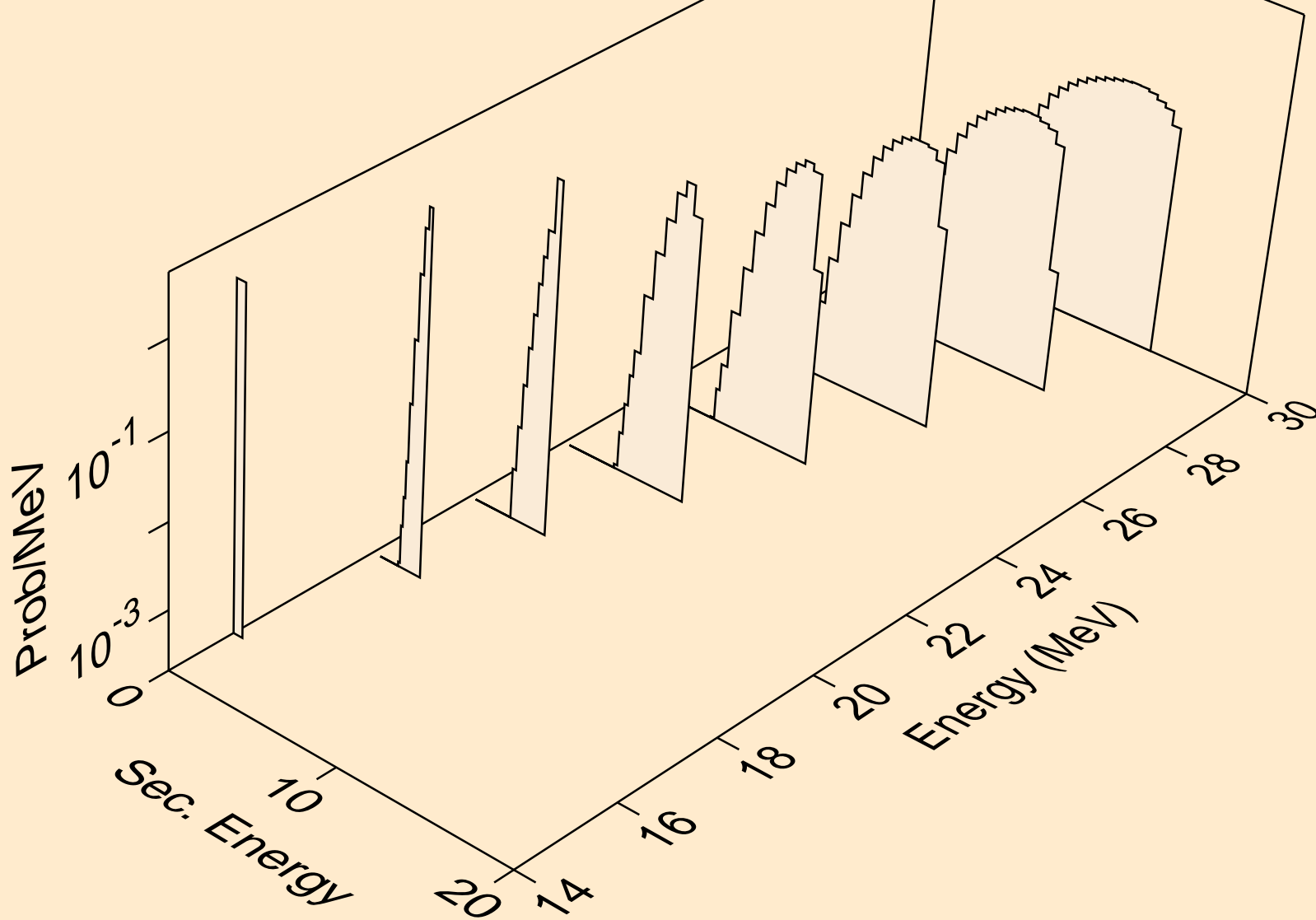
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deuterons from (n,x)



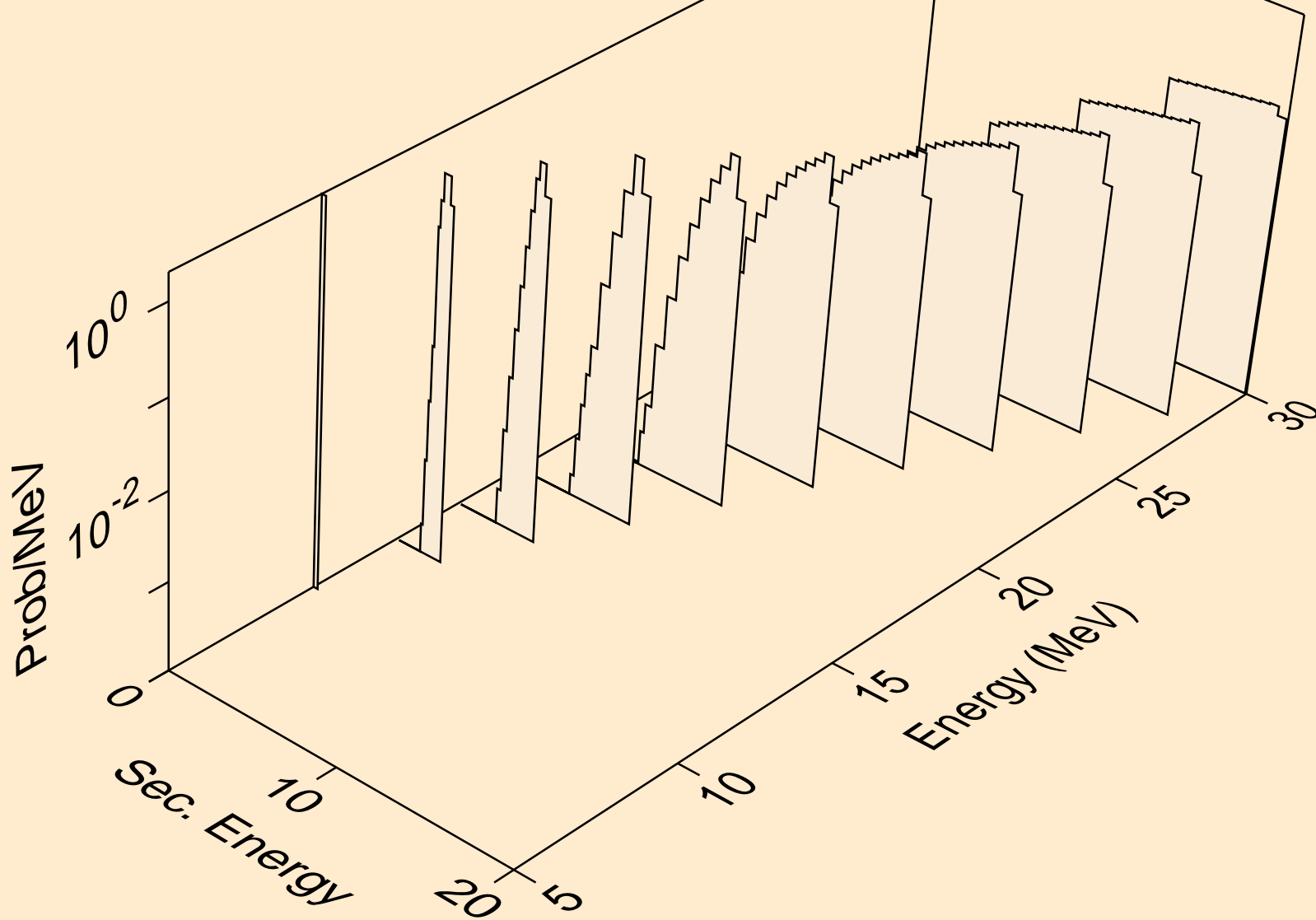
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deuterons from (n,2nd)



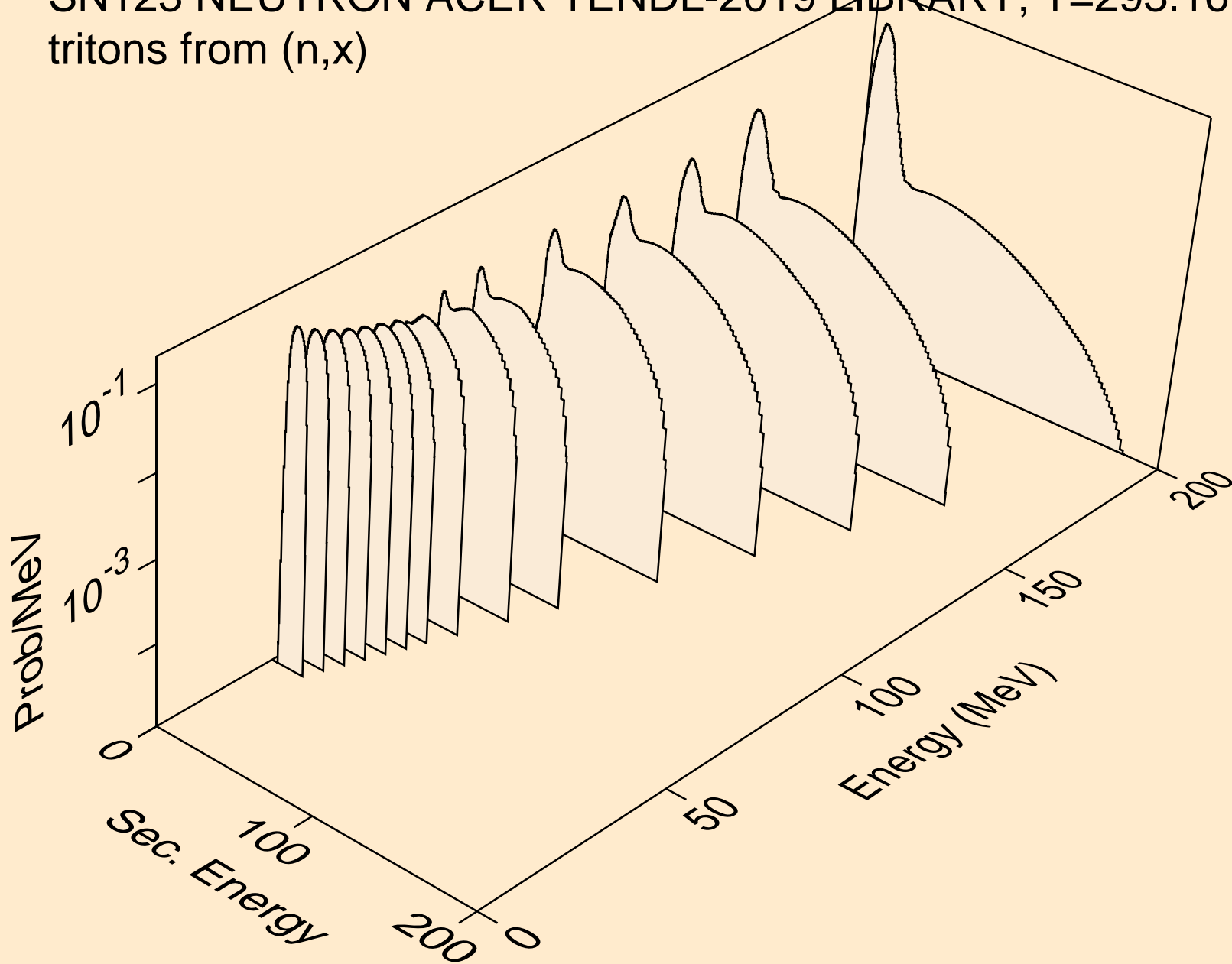
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deuterons from (n,n\*)d



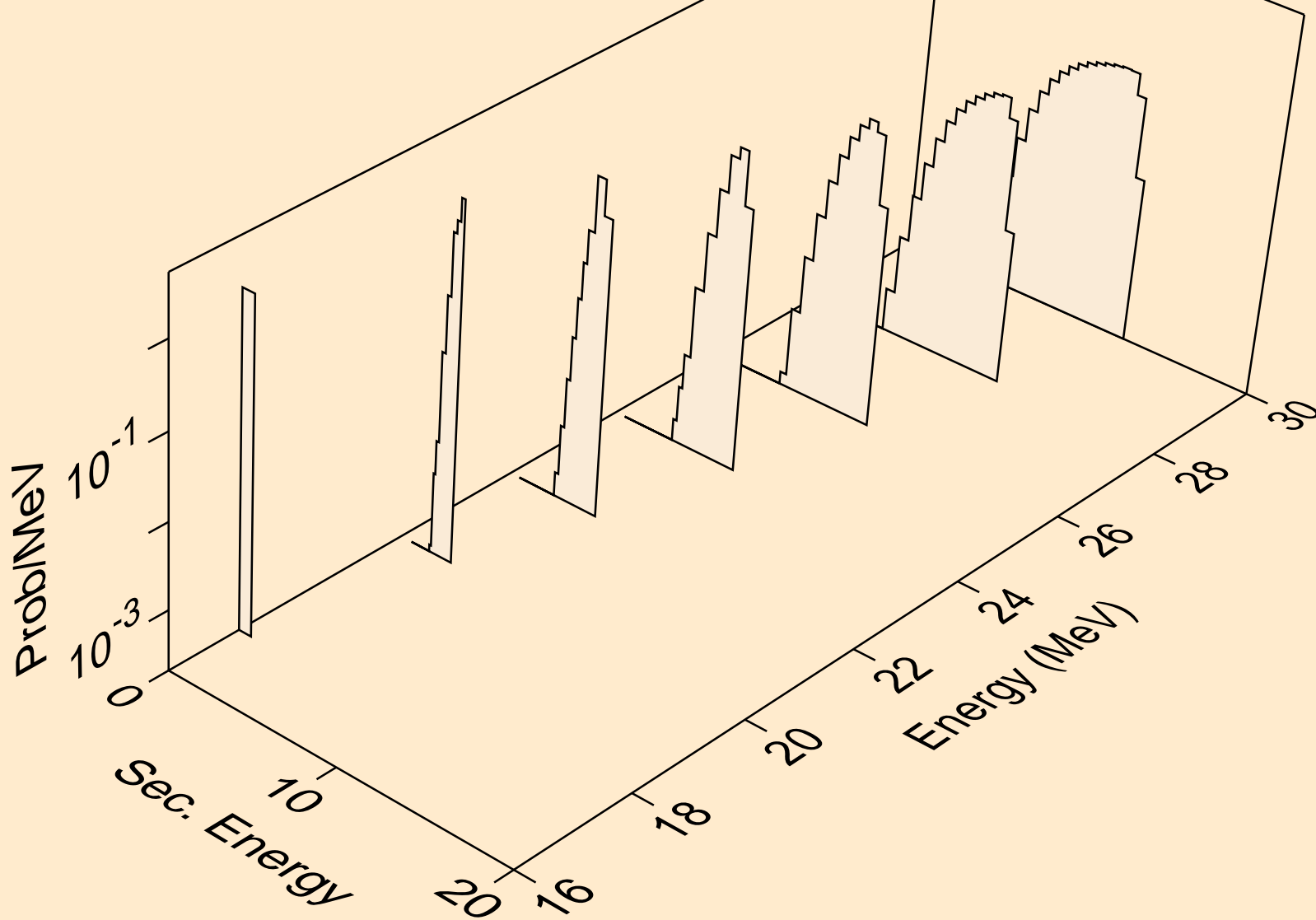
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deuterons from (n,d)



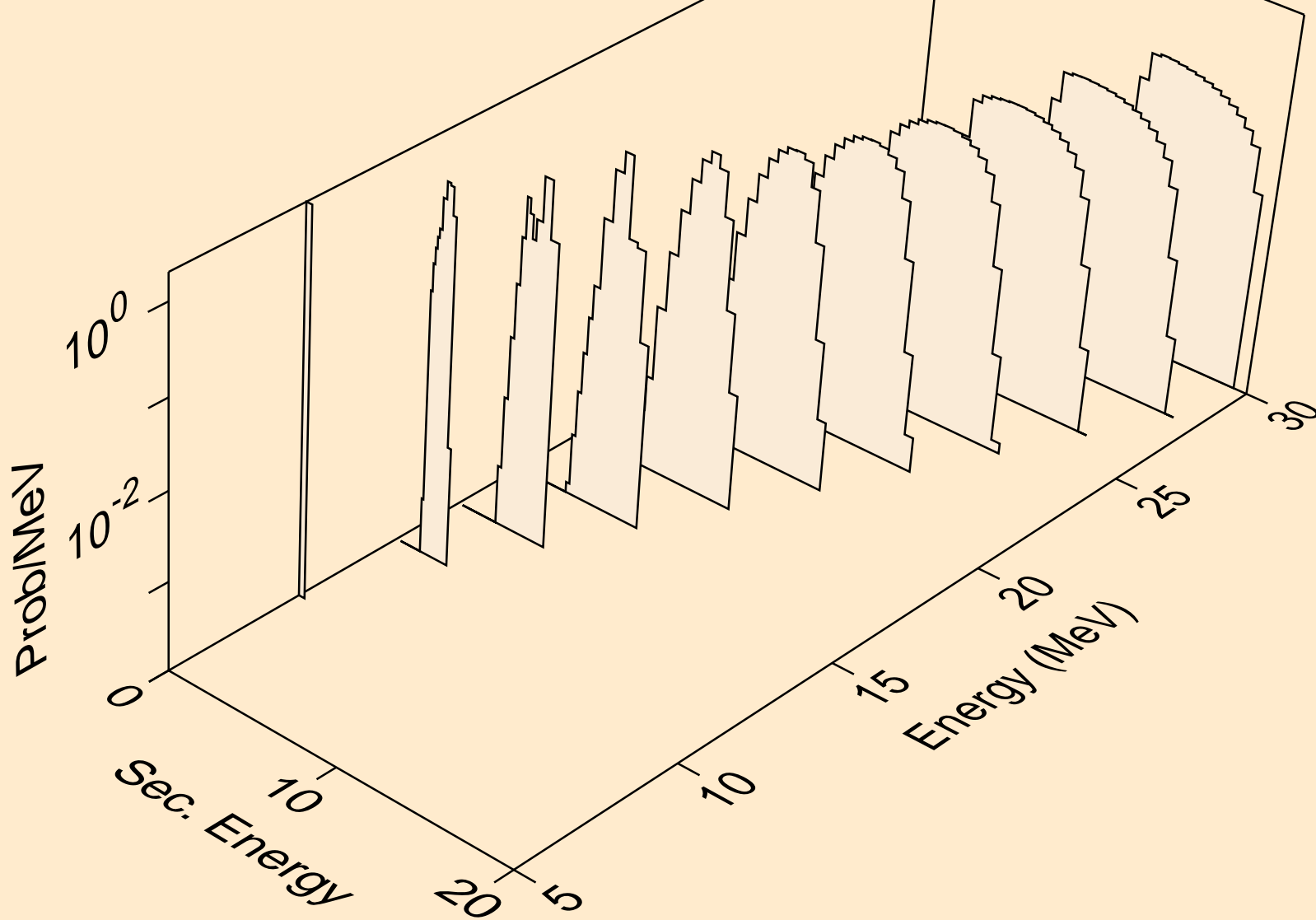
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tritons from (n,x)



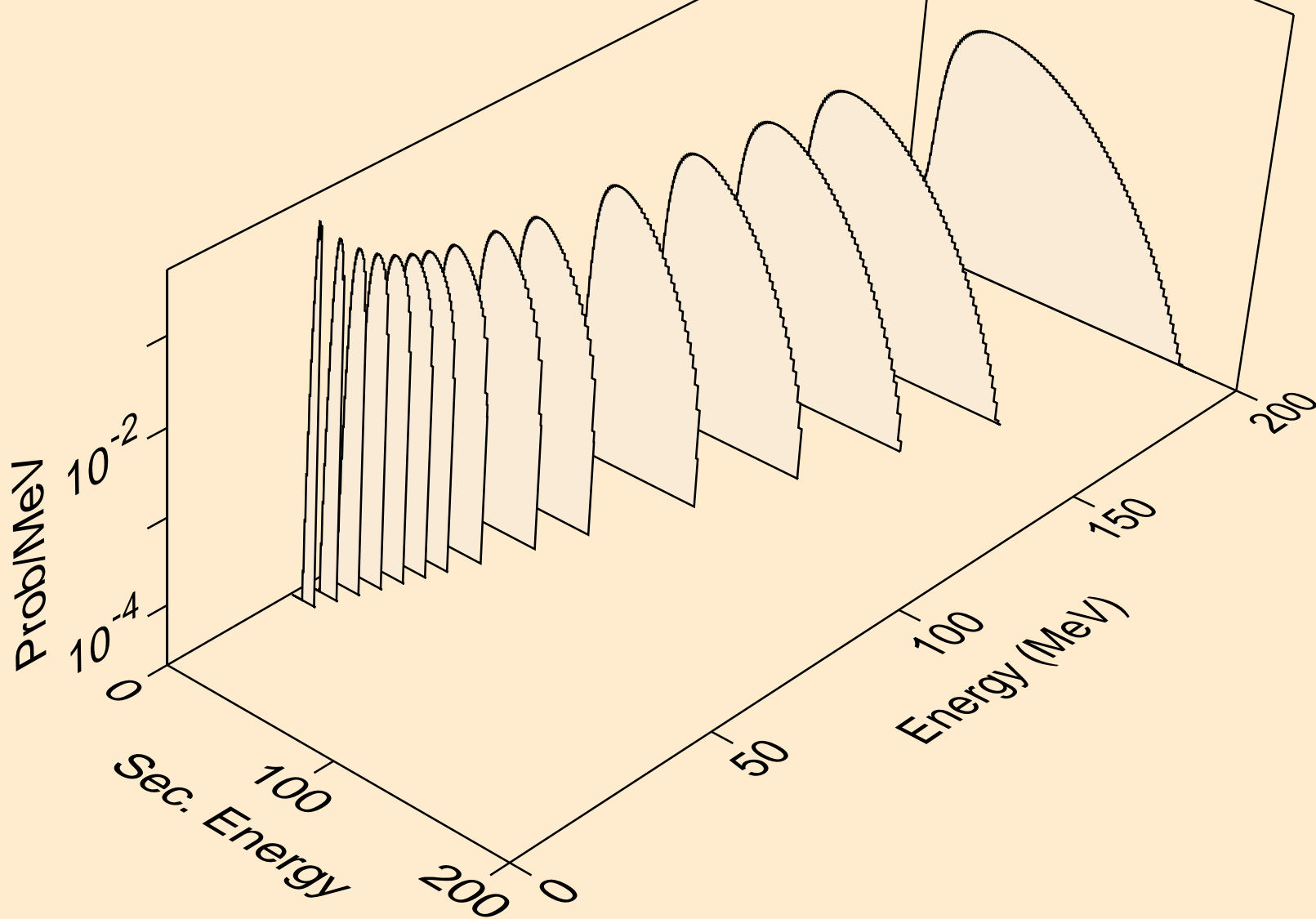
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

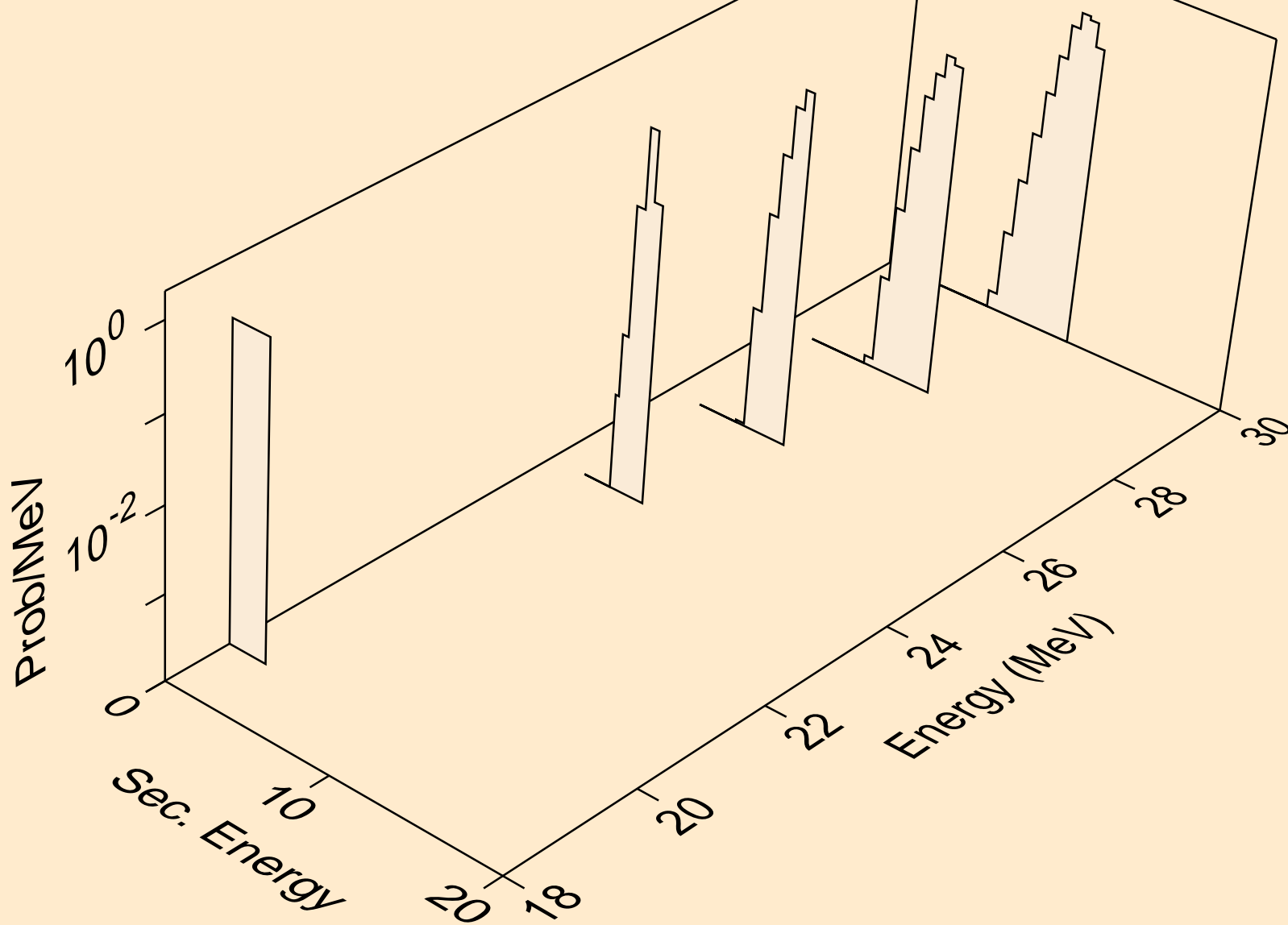


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he3s from (n,x)

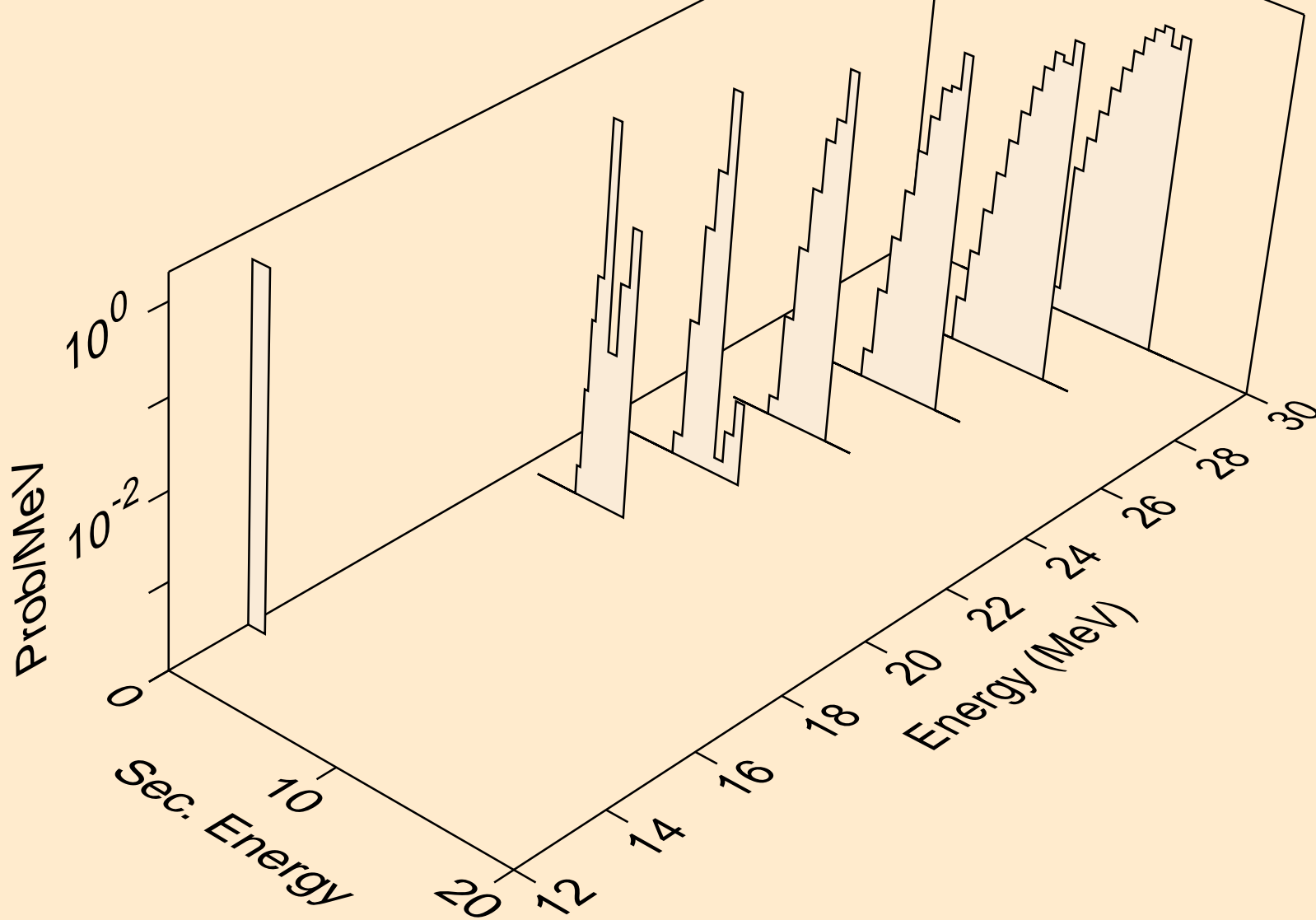




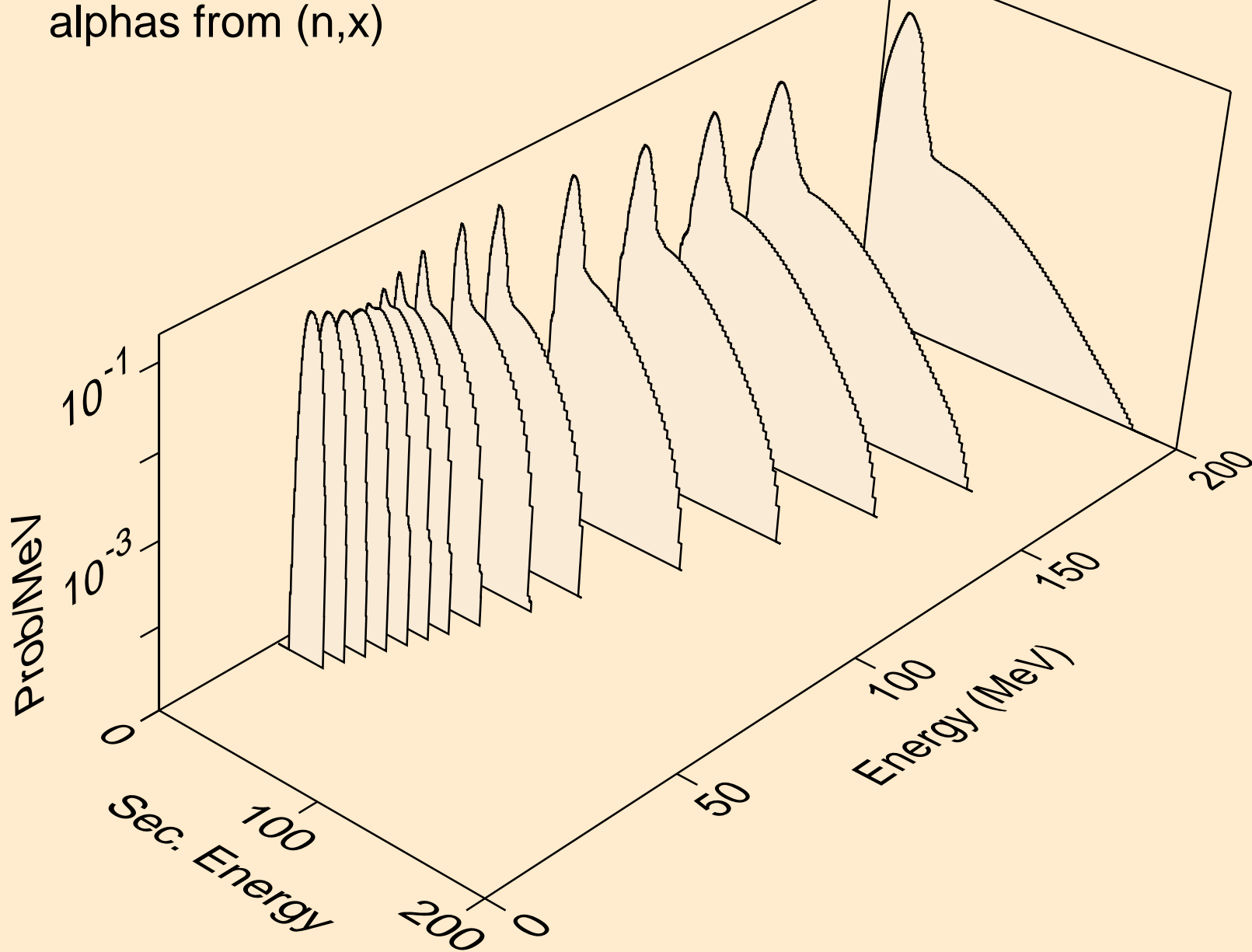
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he3s from (n,n\*)he3



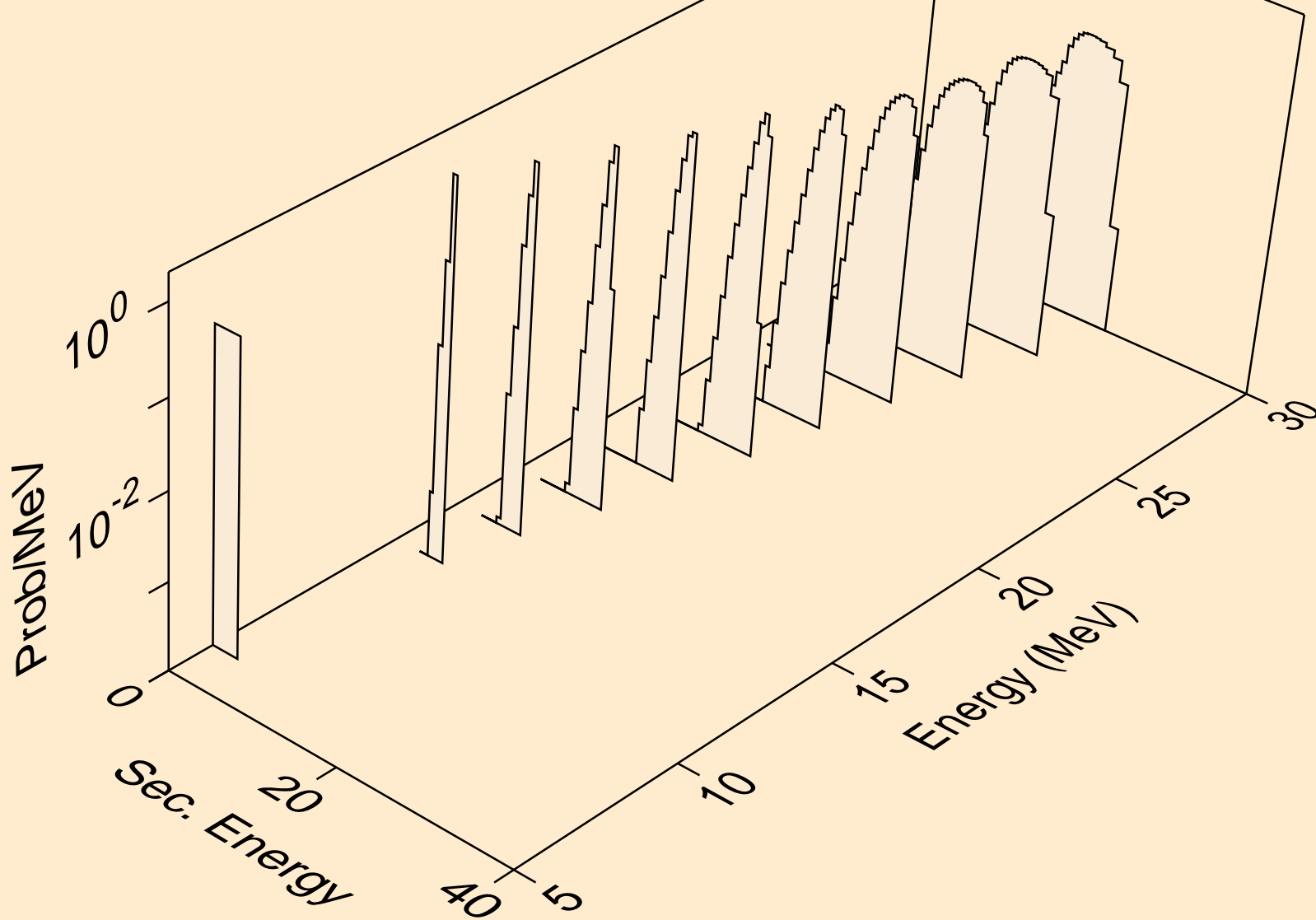
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he3s from (n,he3)



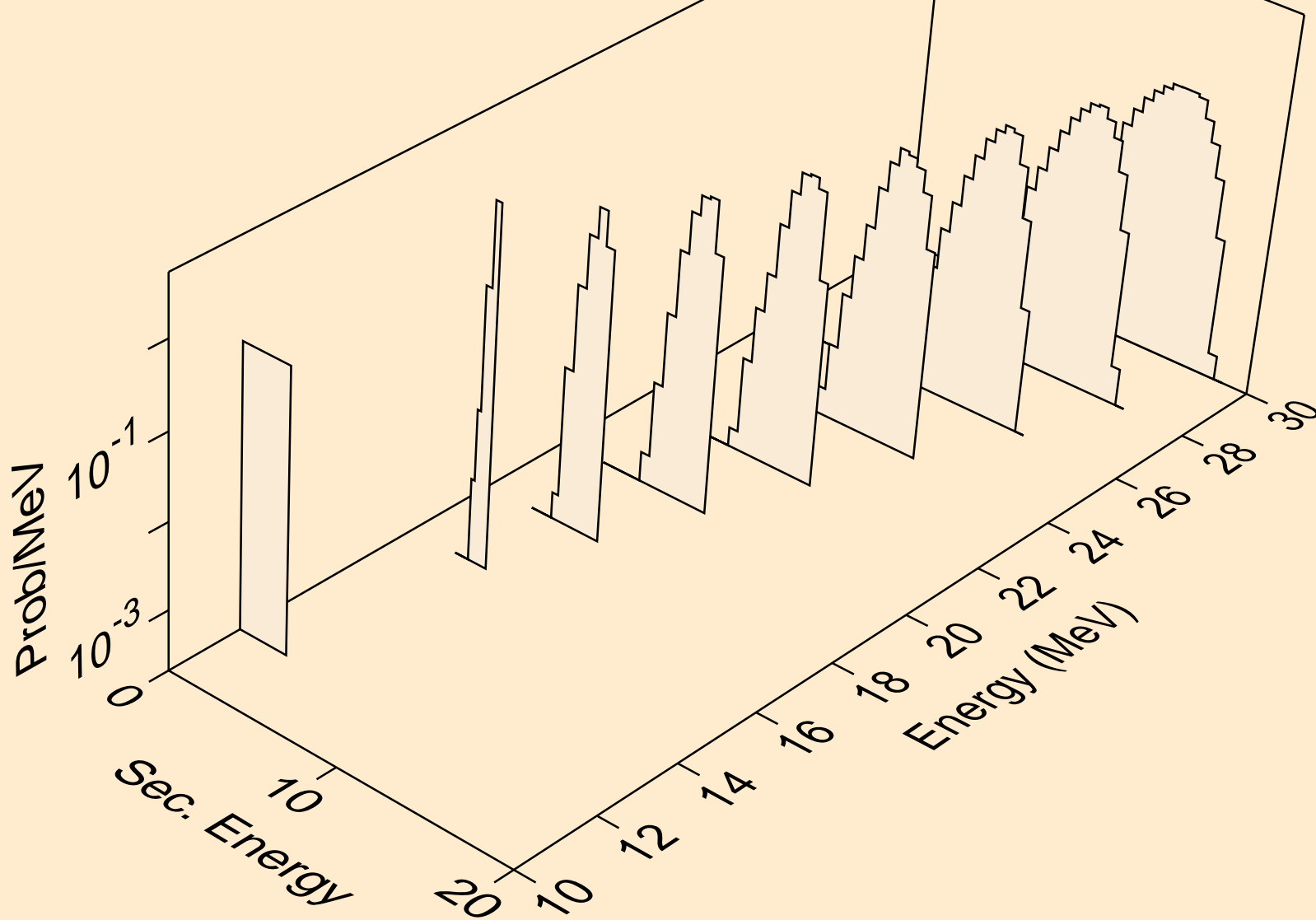
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



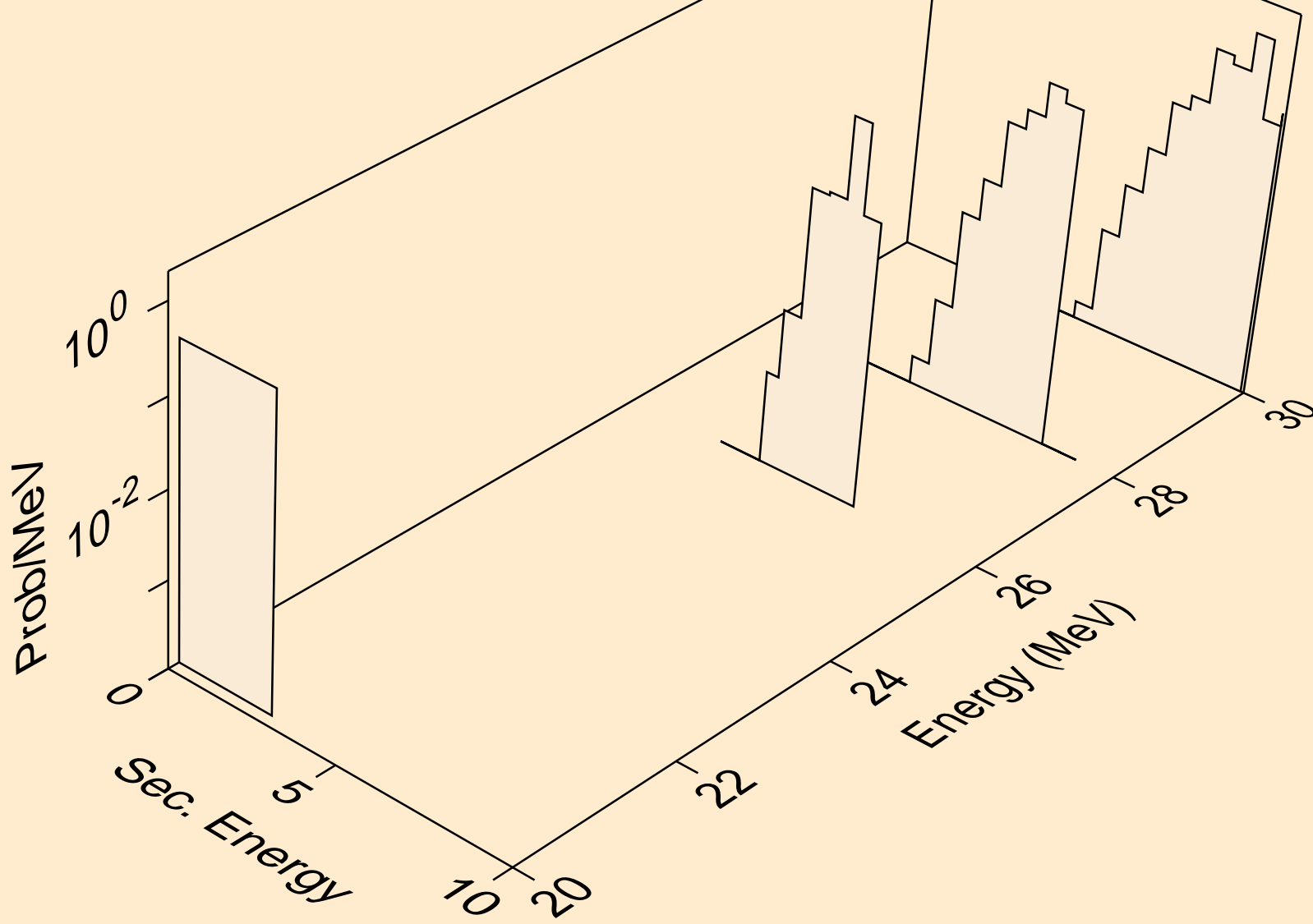
SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



SN123 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

