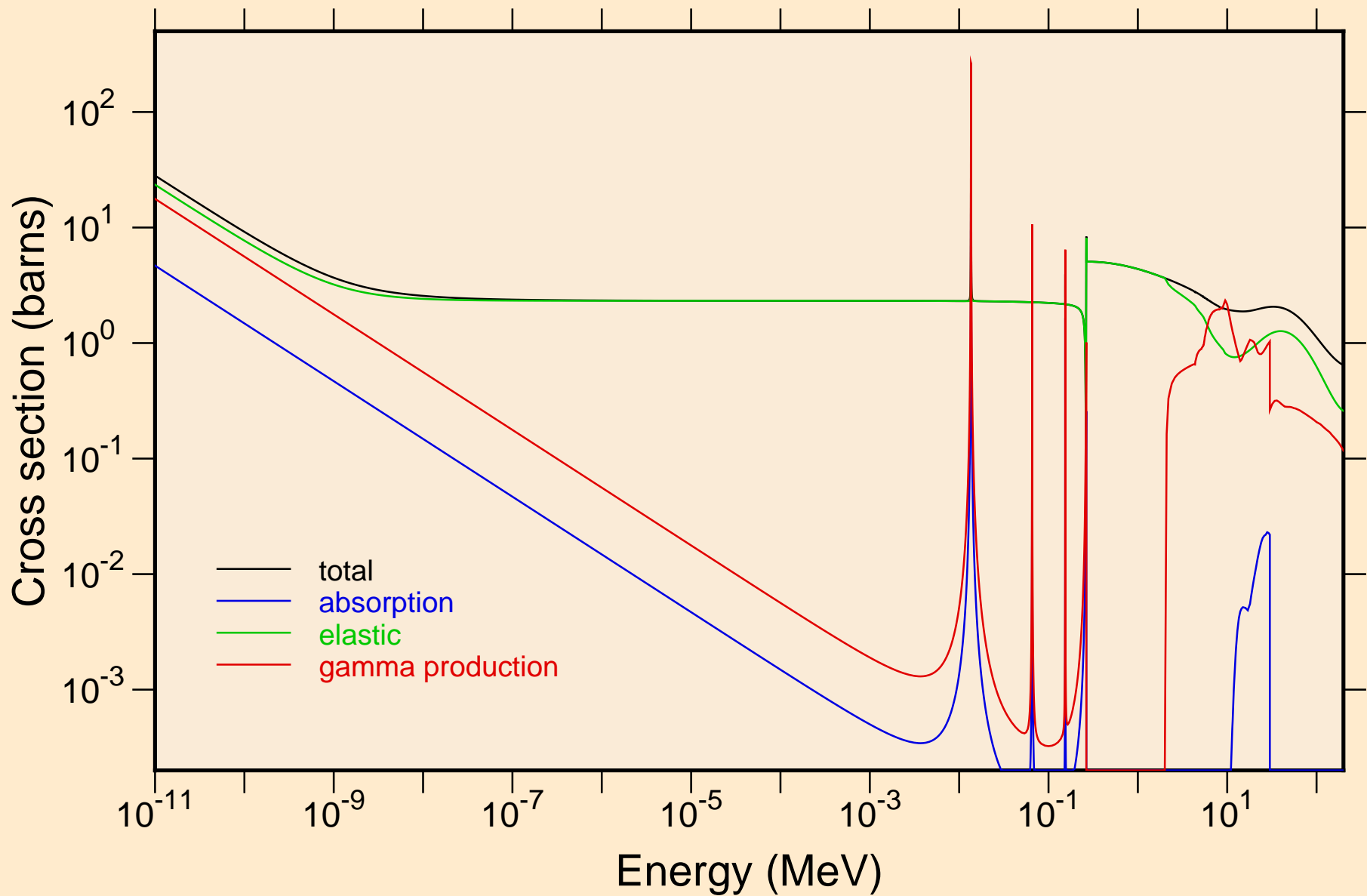
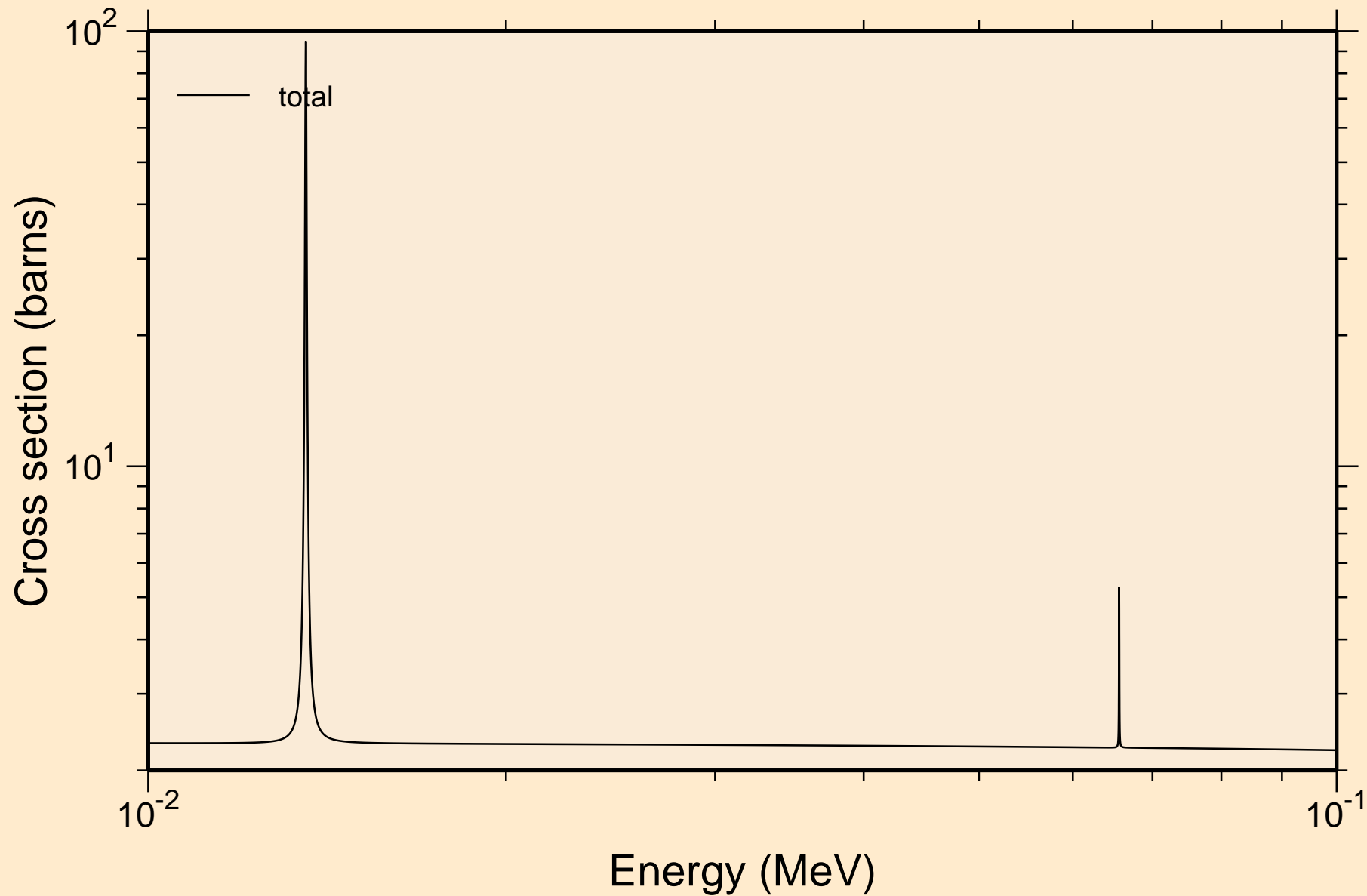


# SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

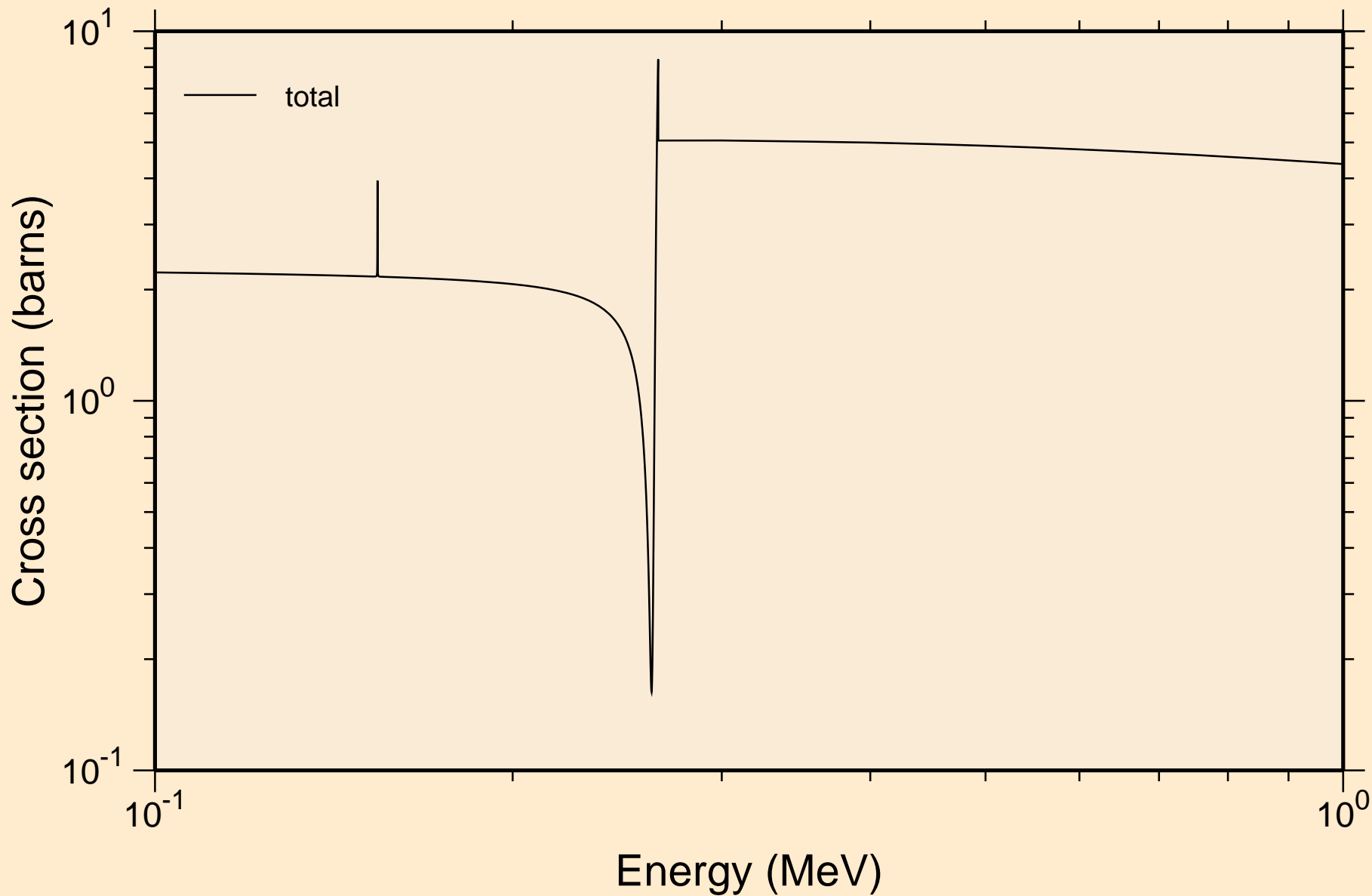
## Principal cross sections



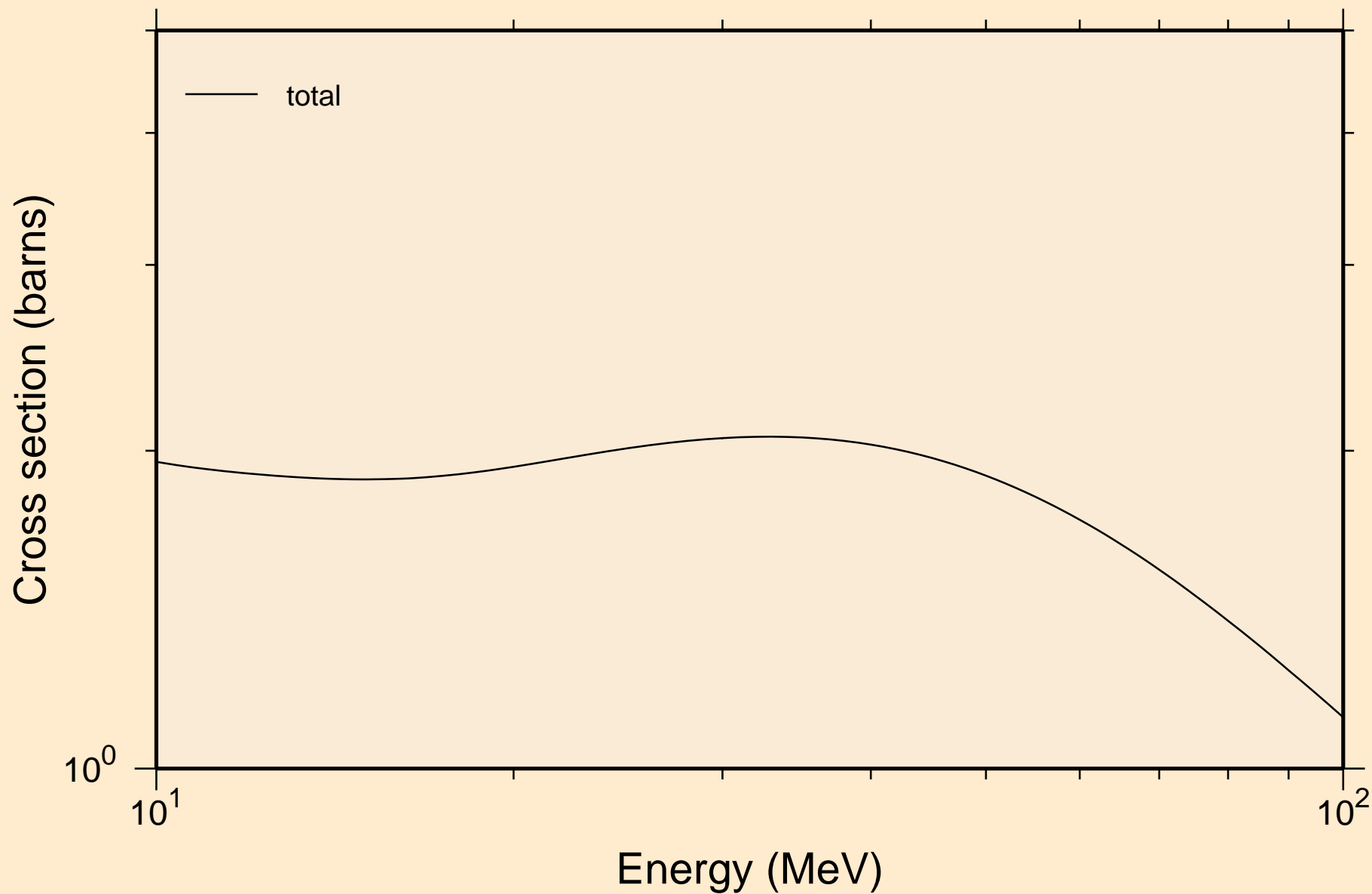
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



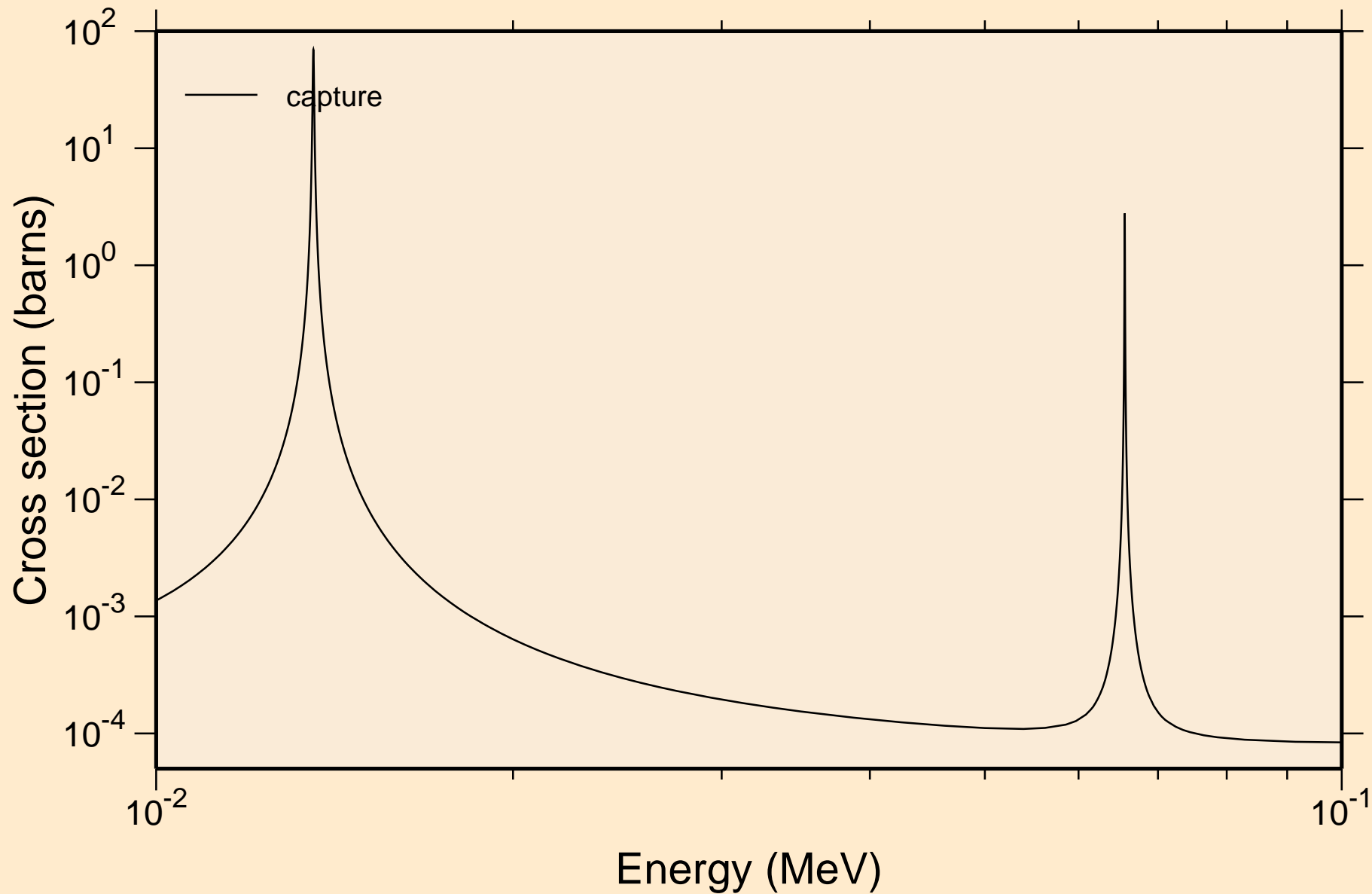
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



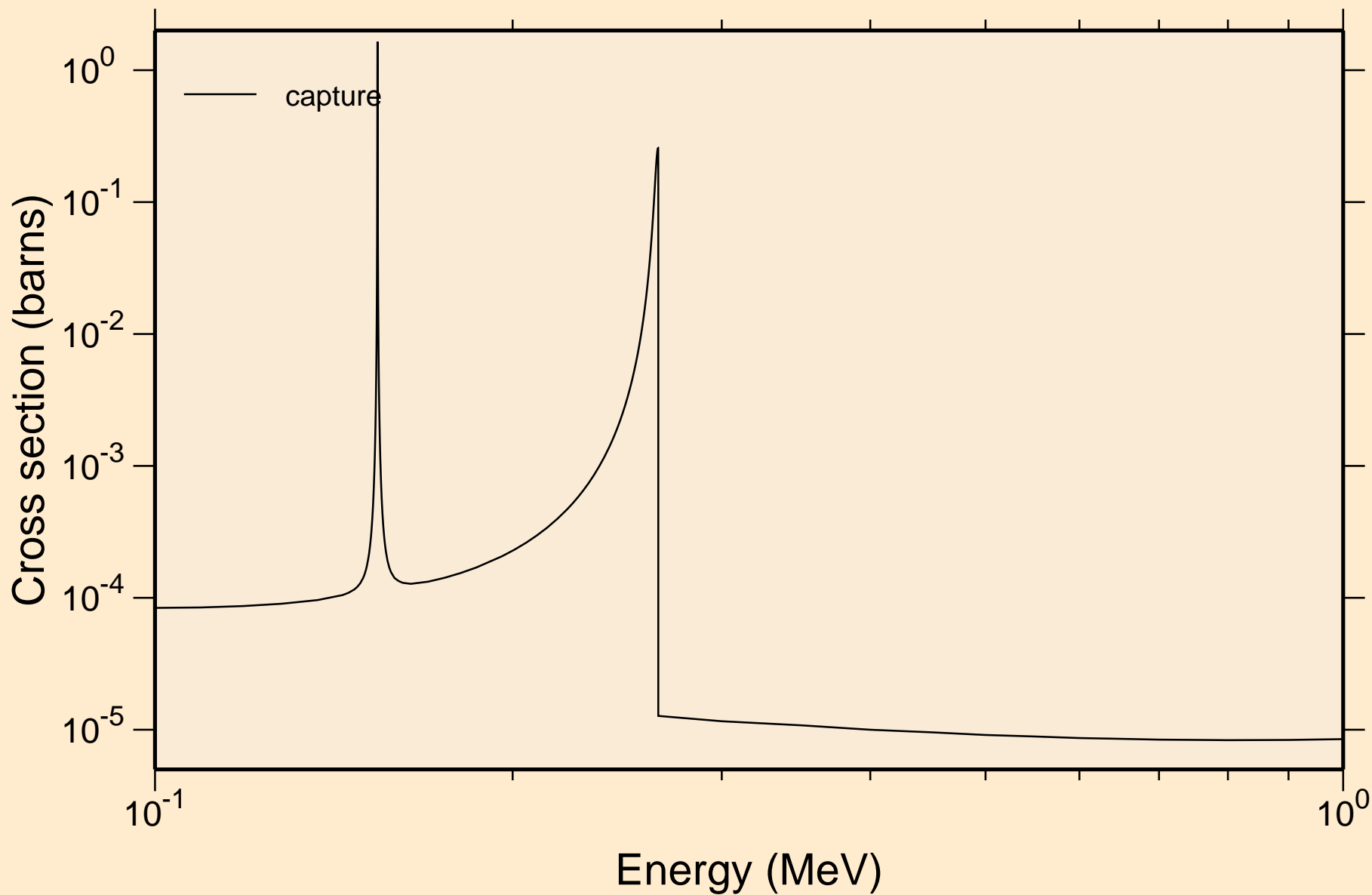
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



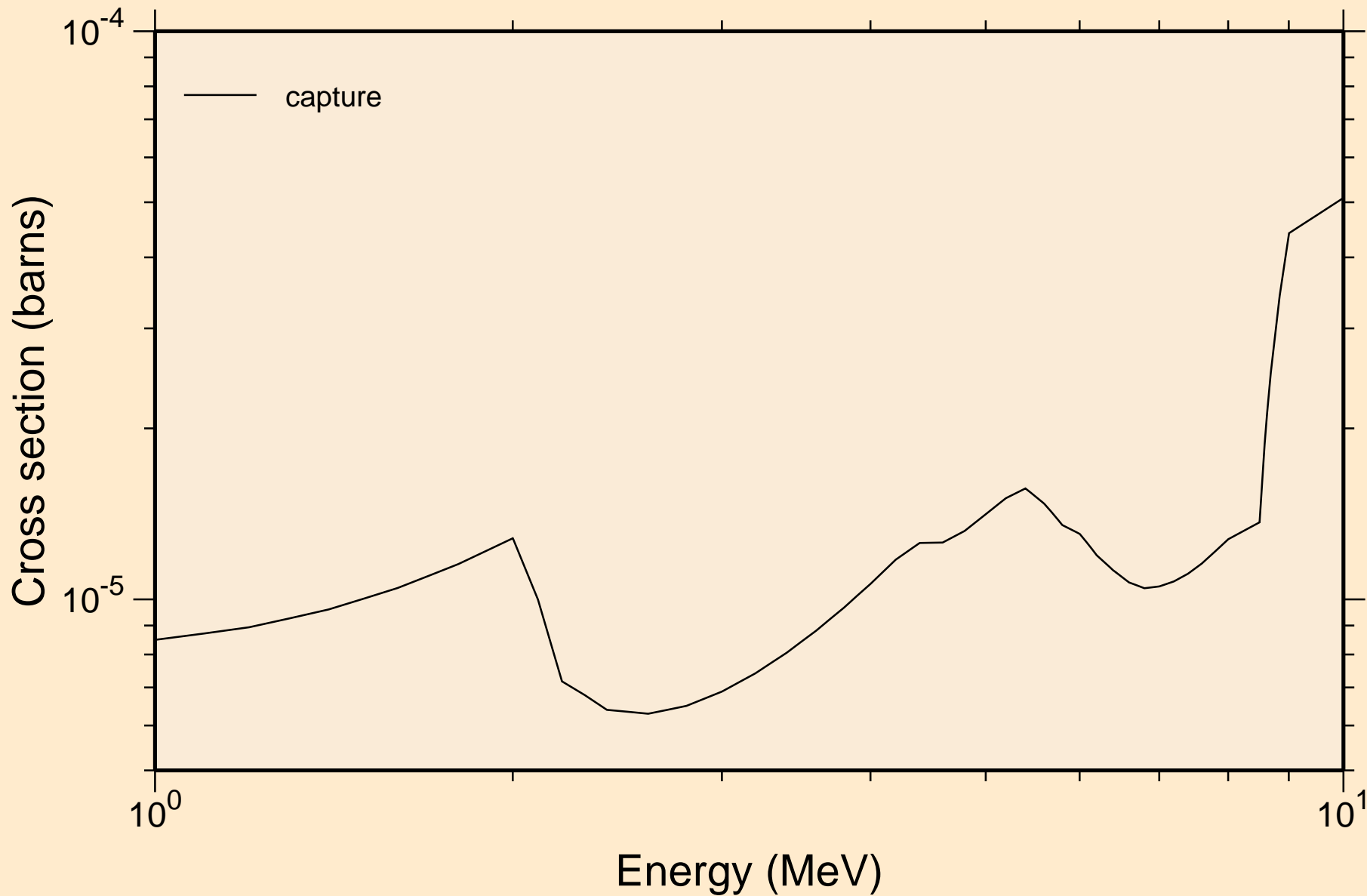
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



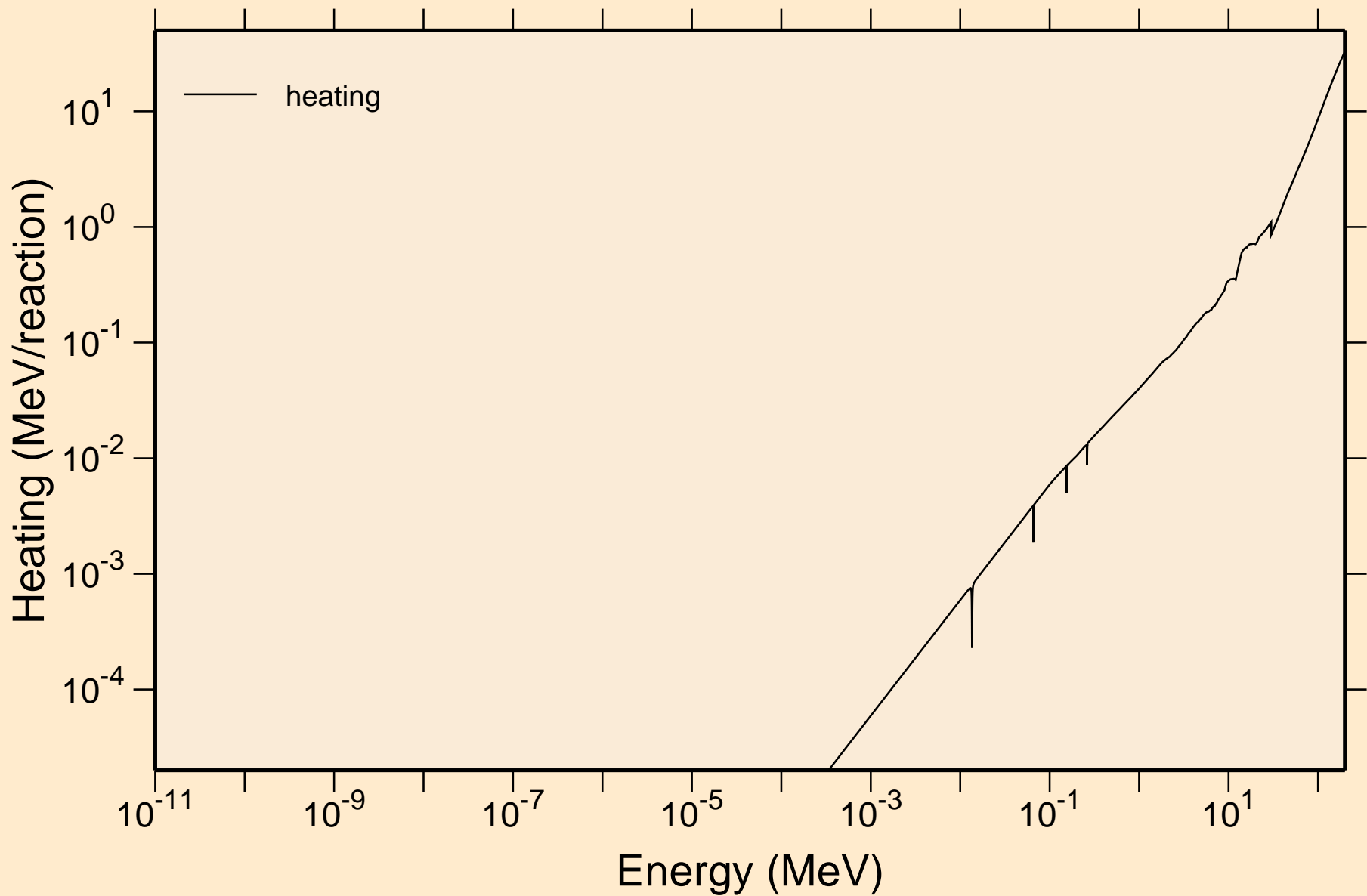
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

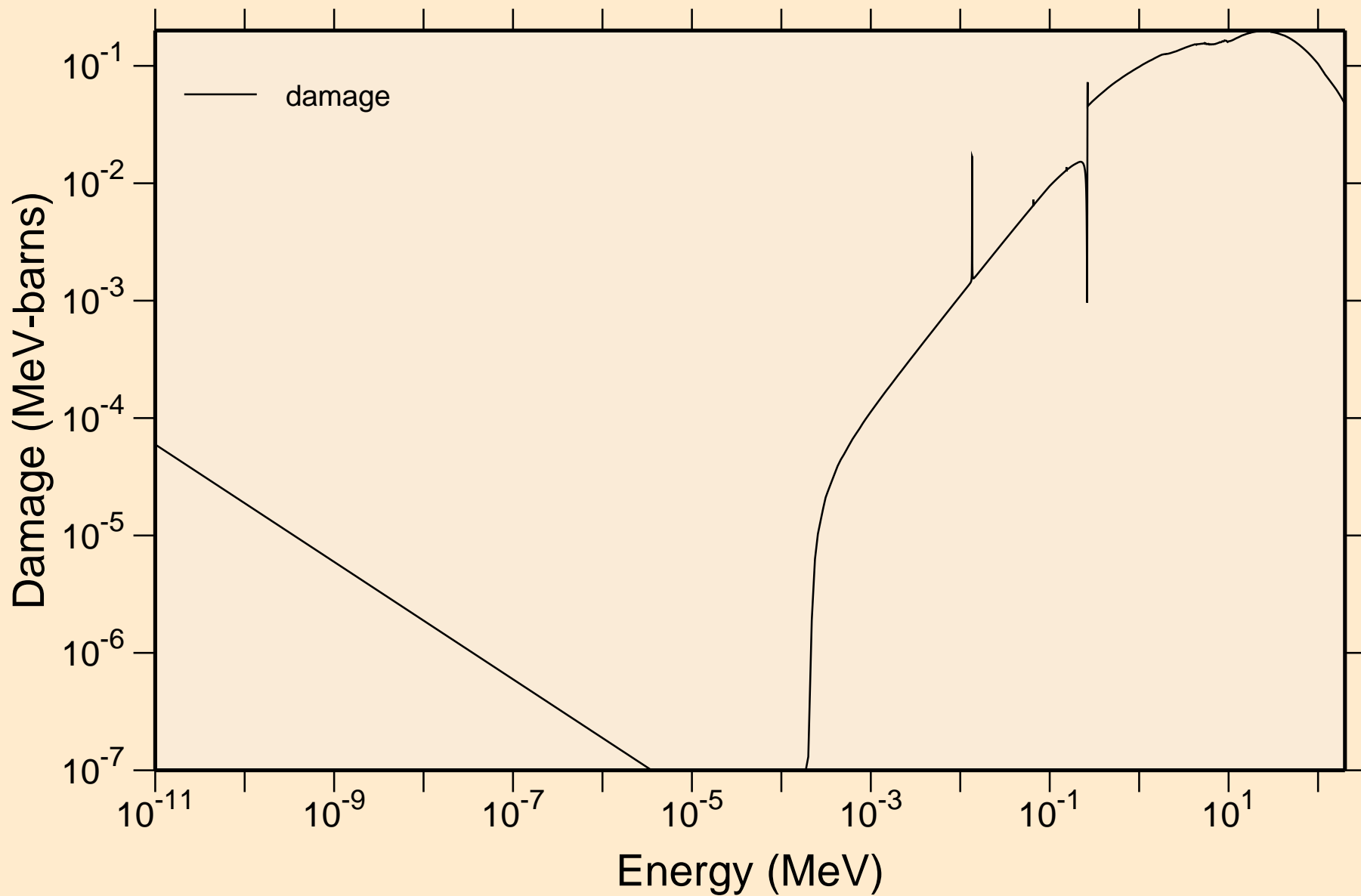


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

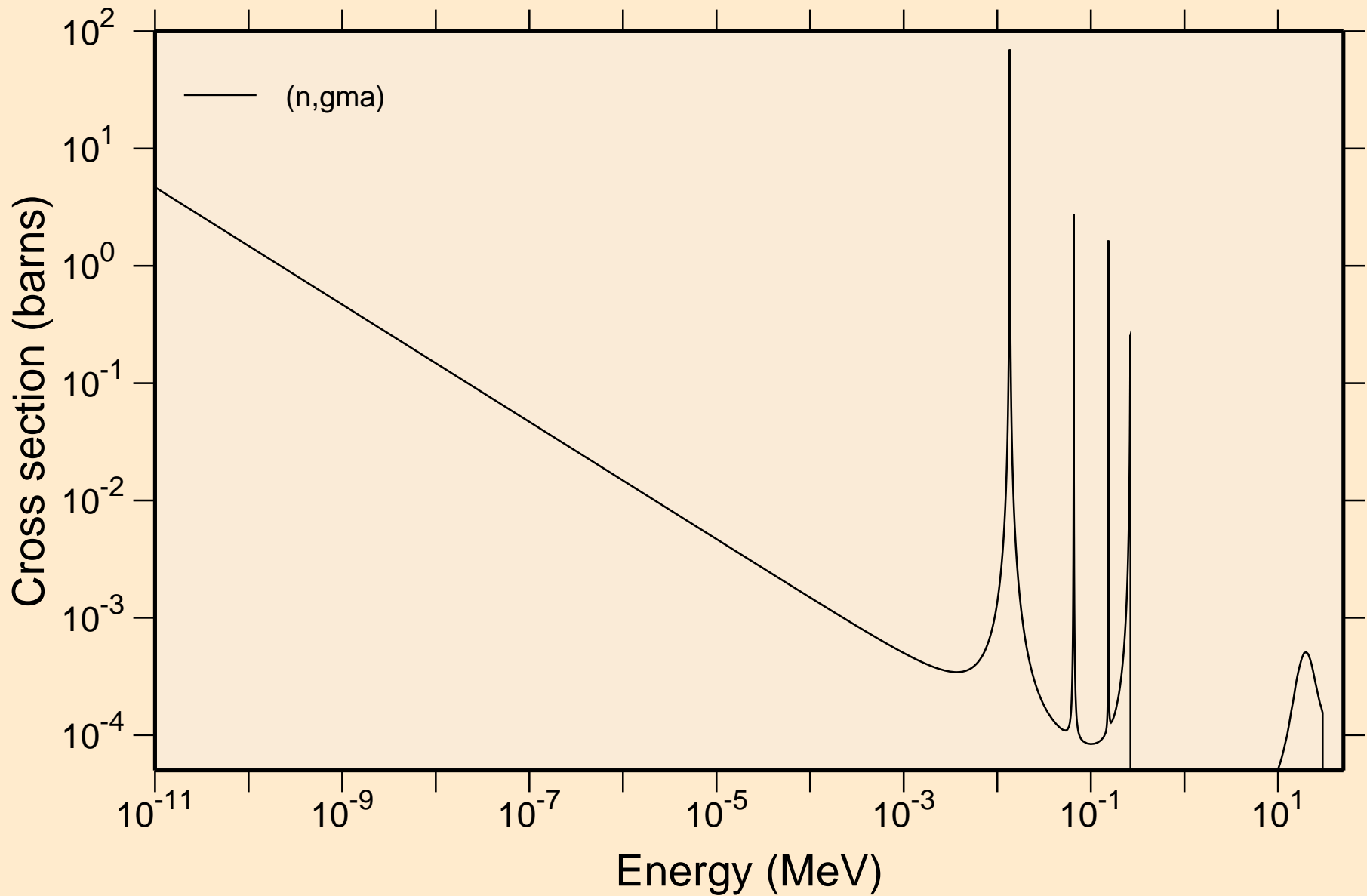




SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

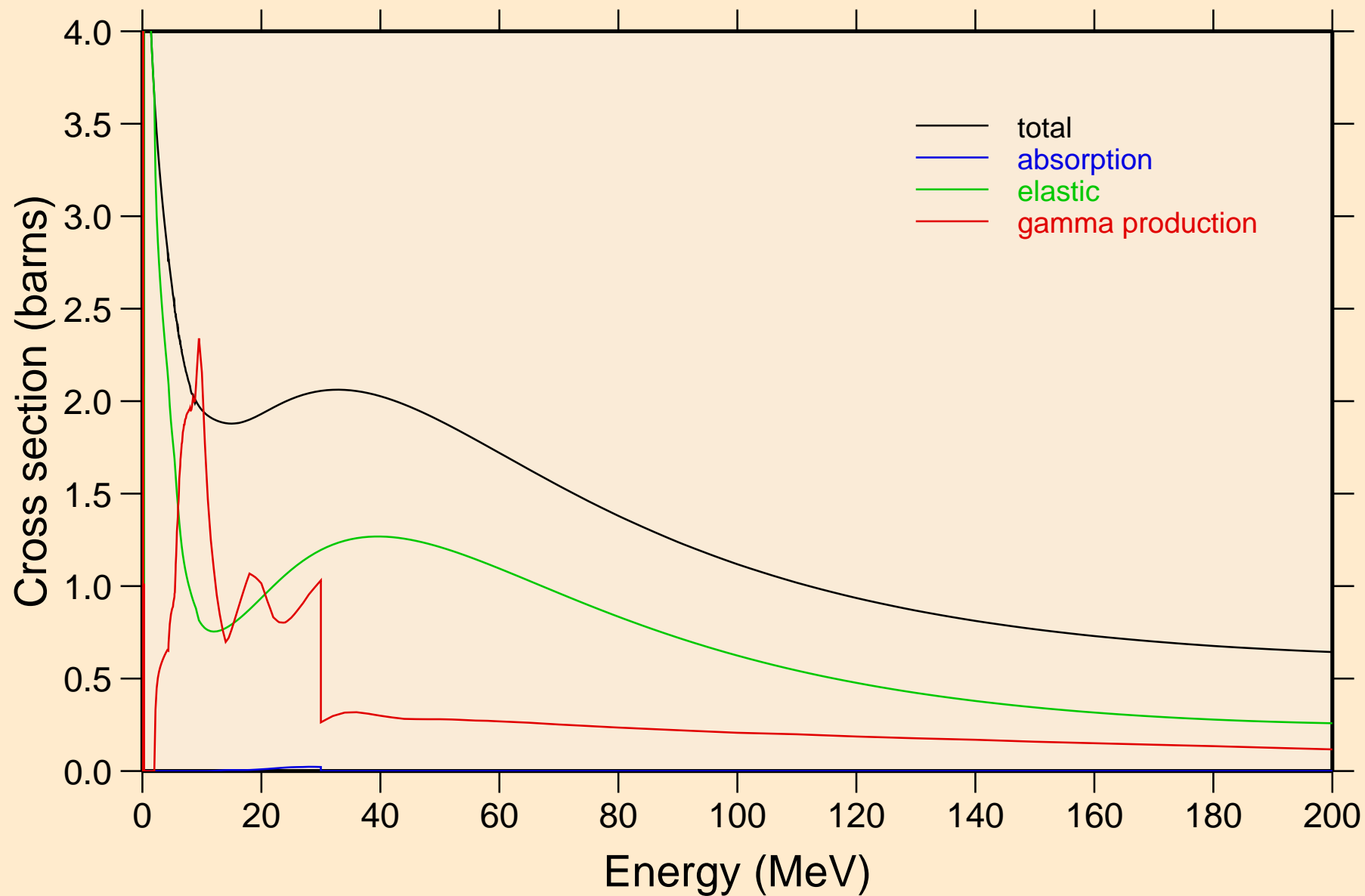


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

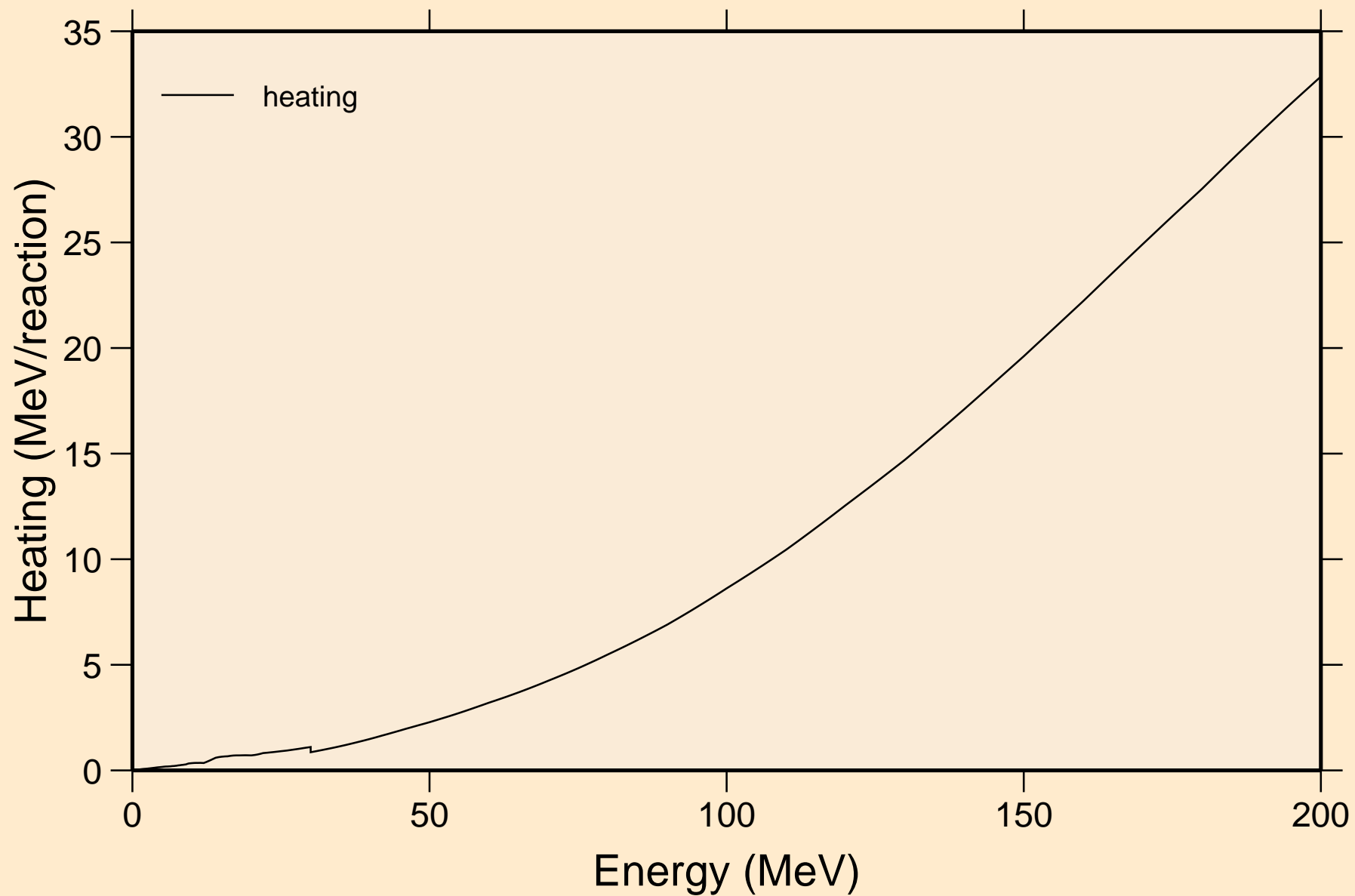


# SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

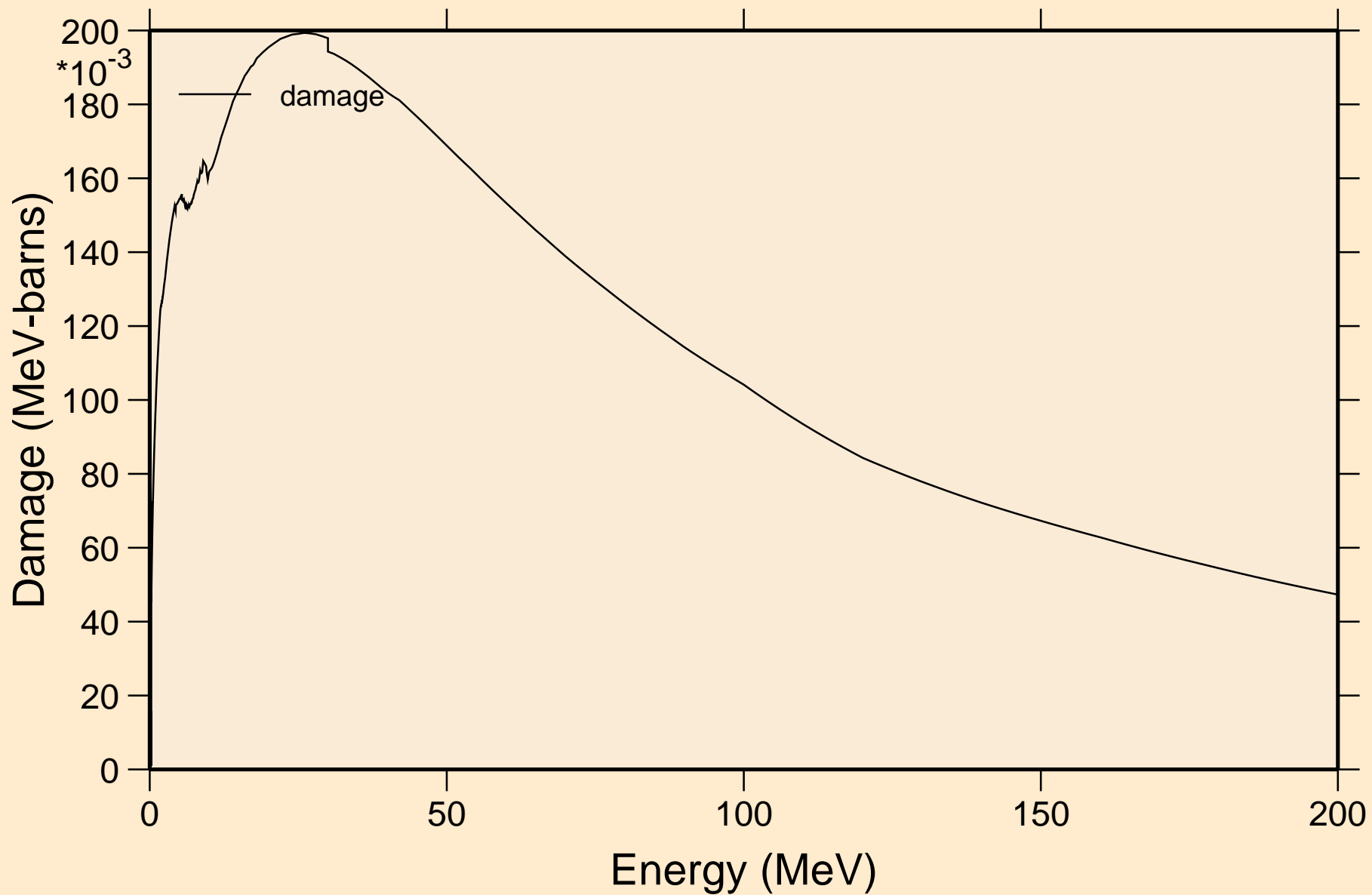
## Principal cross sections



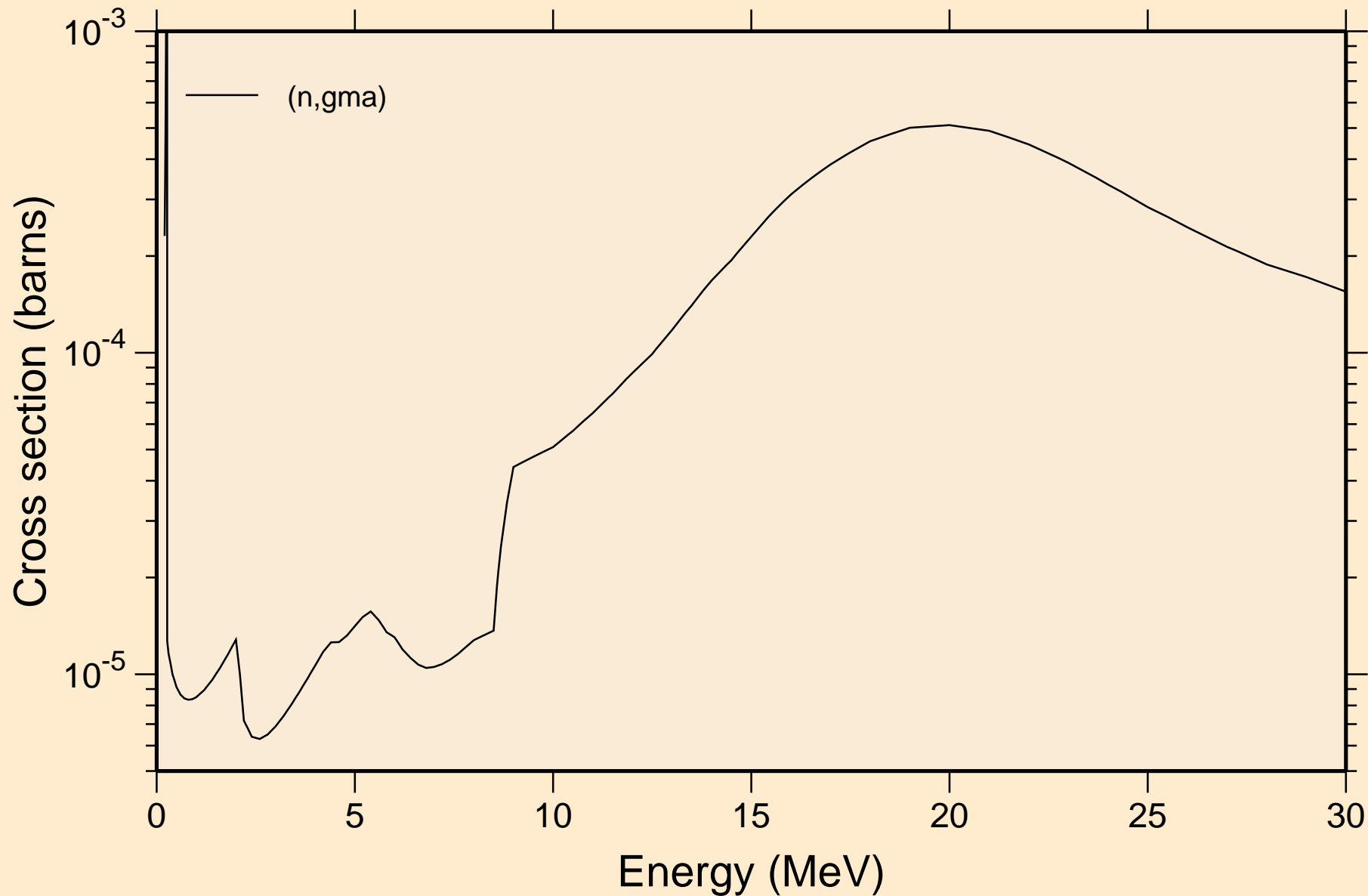
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



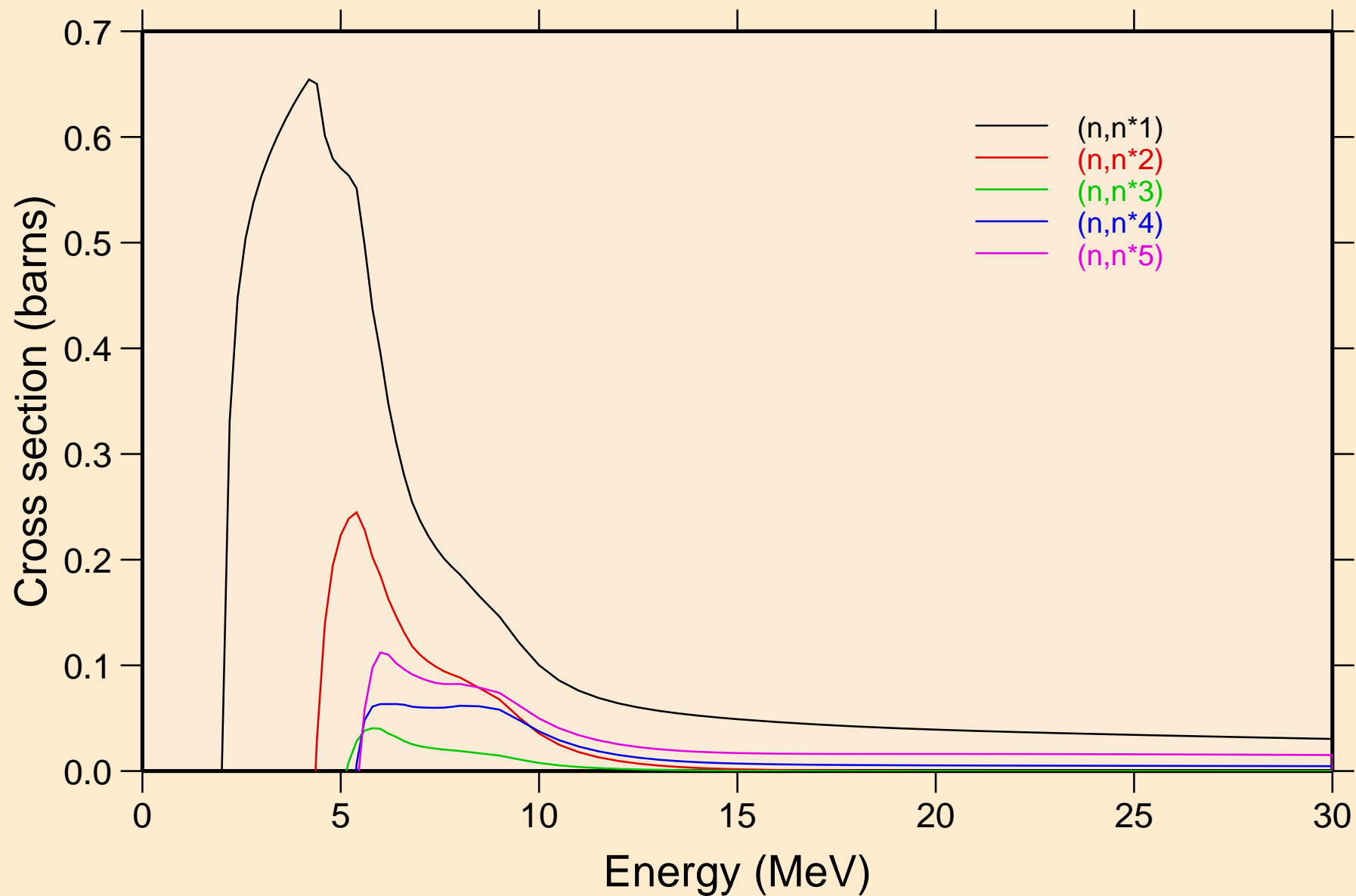
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



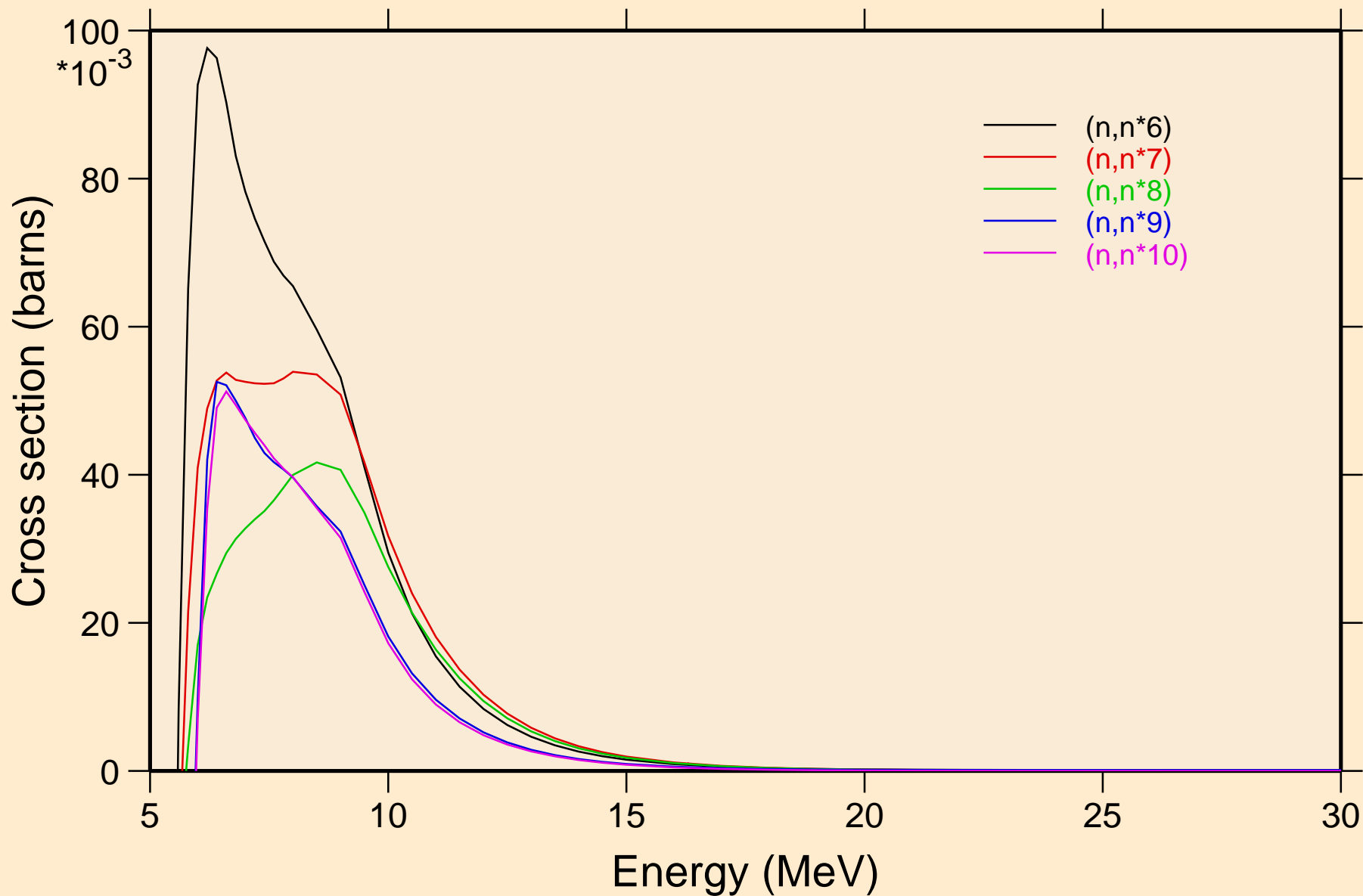
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

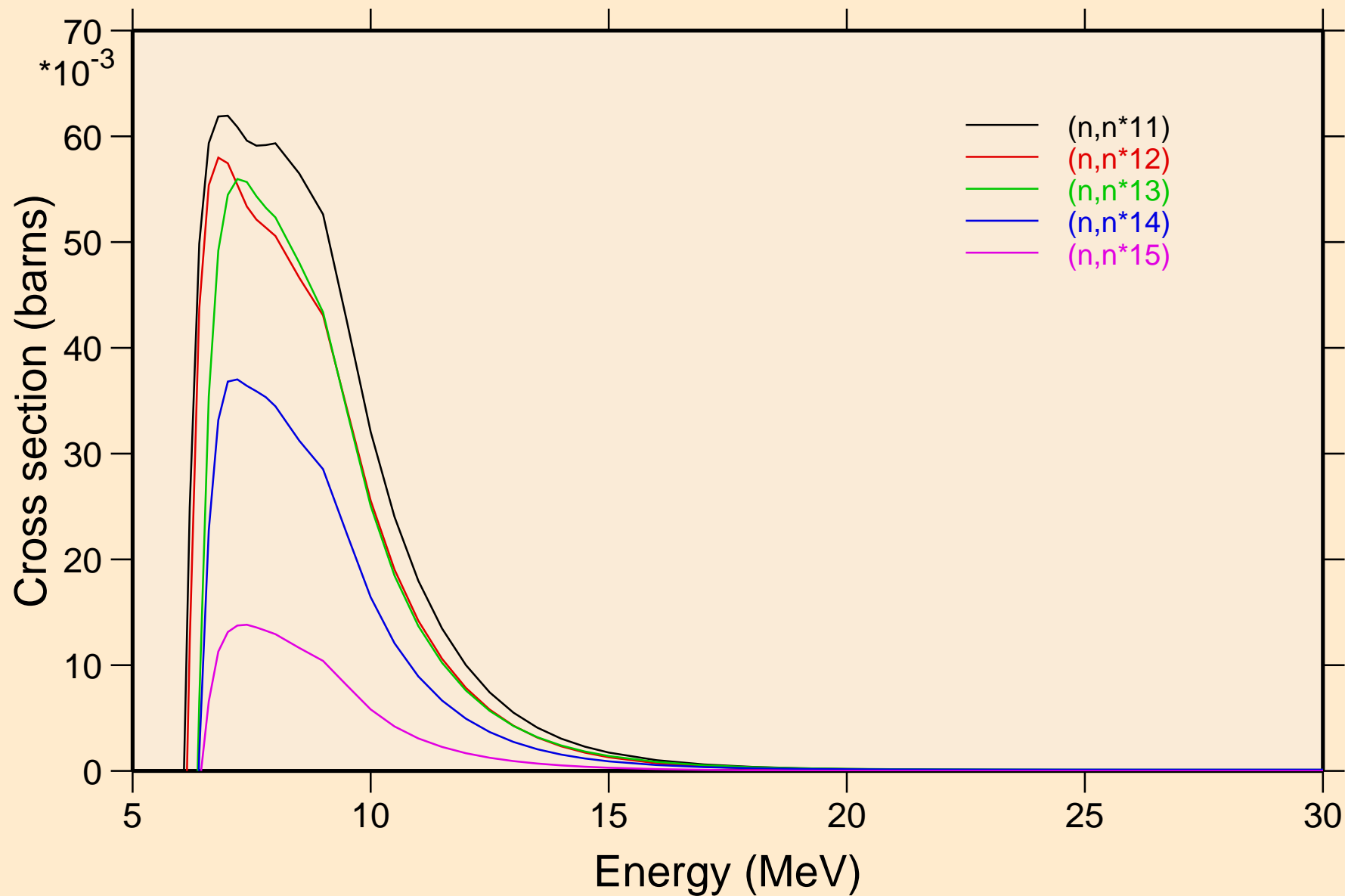


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

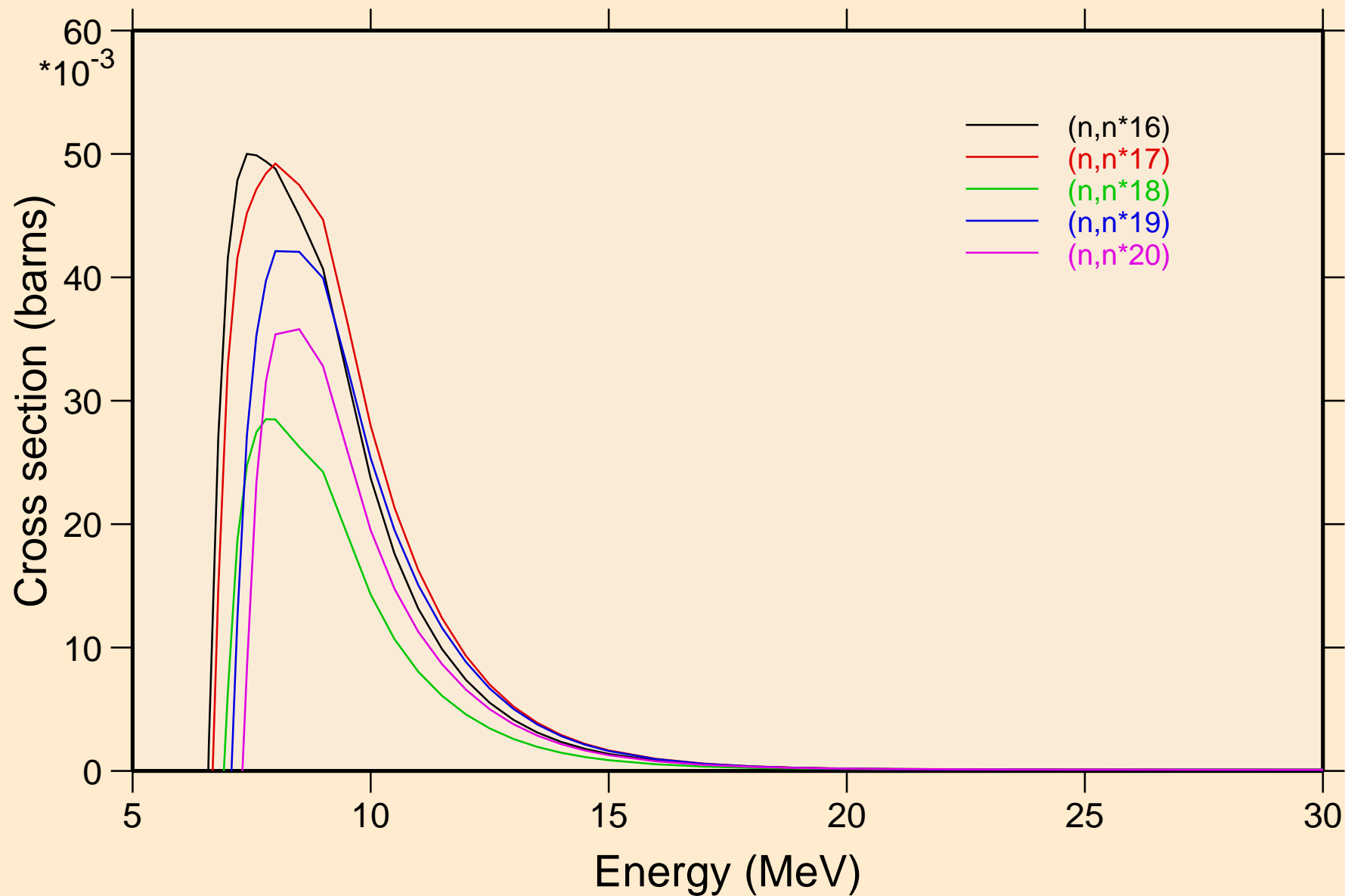




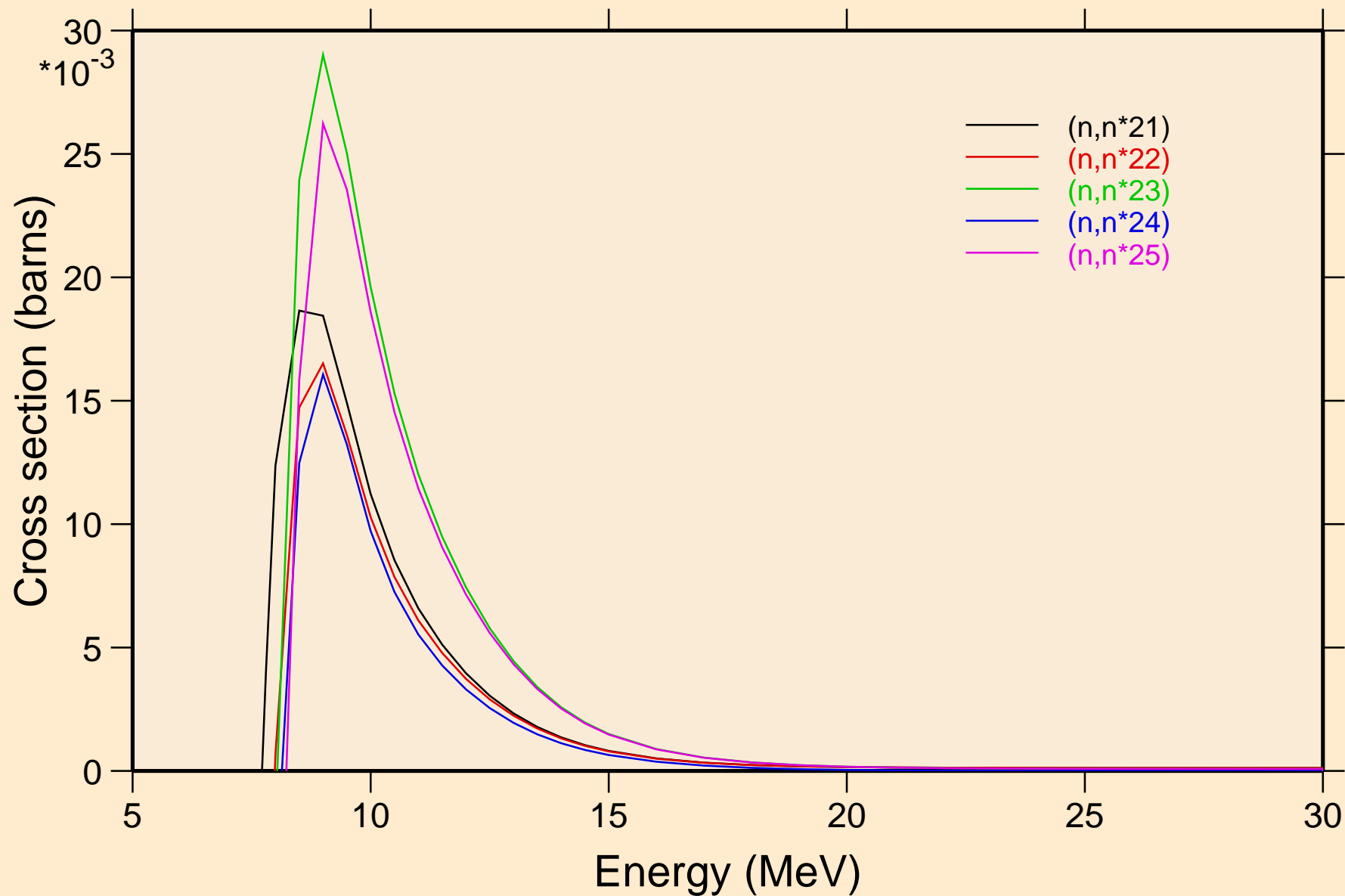
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



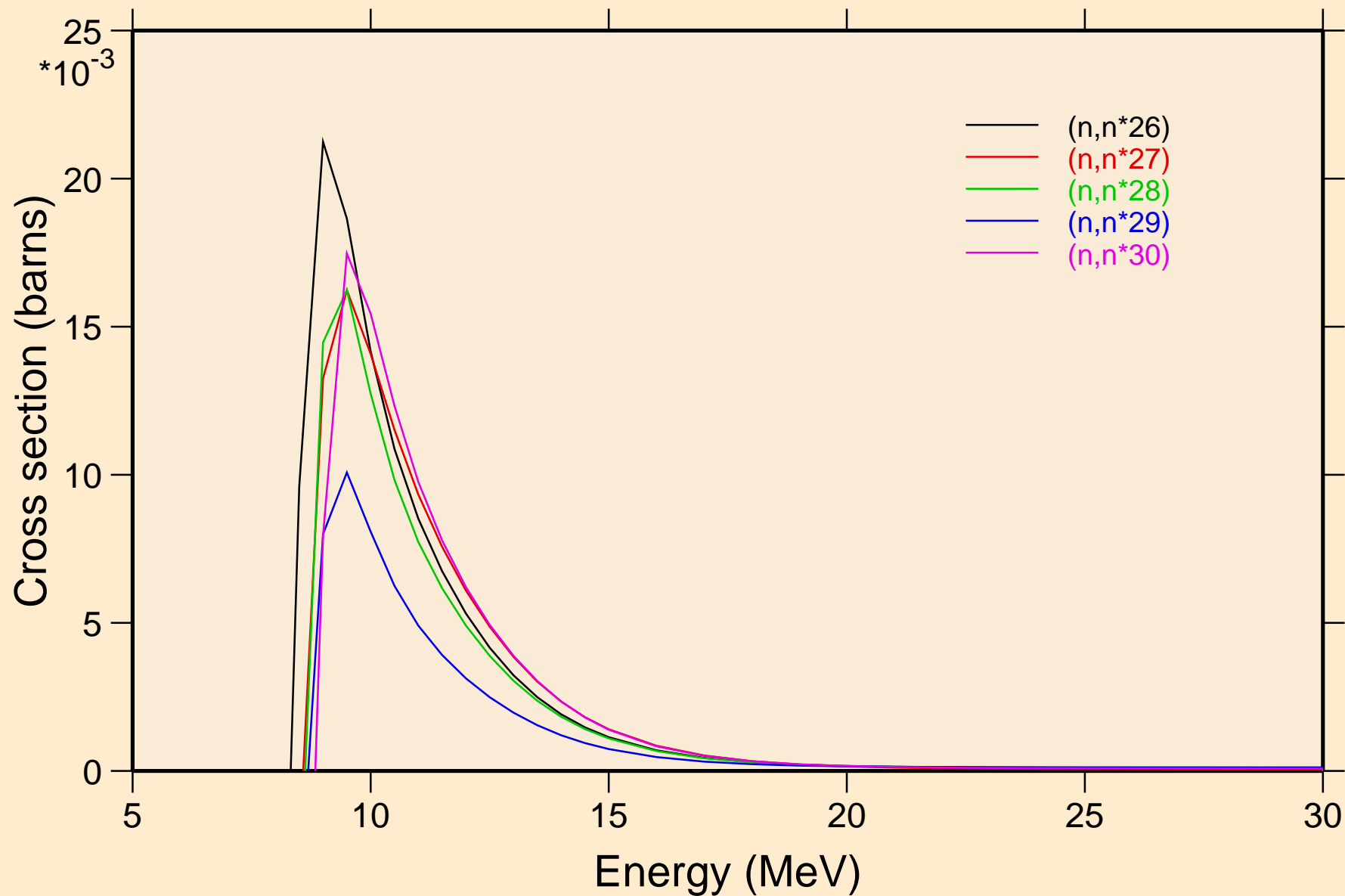
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



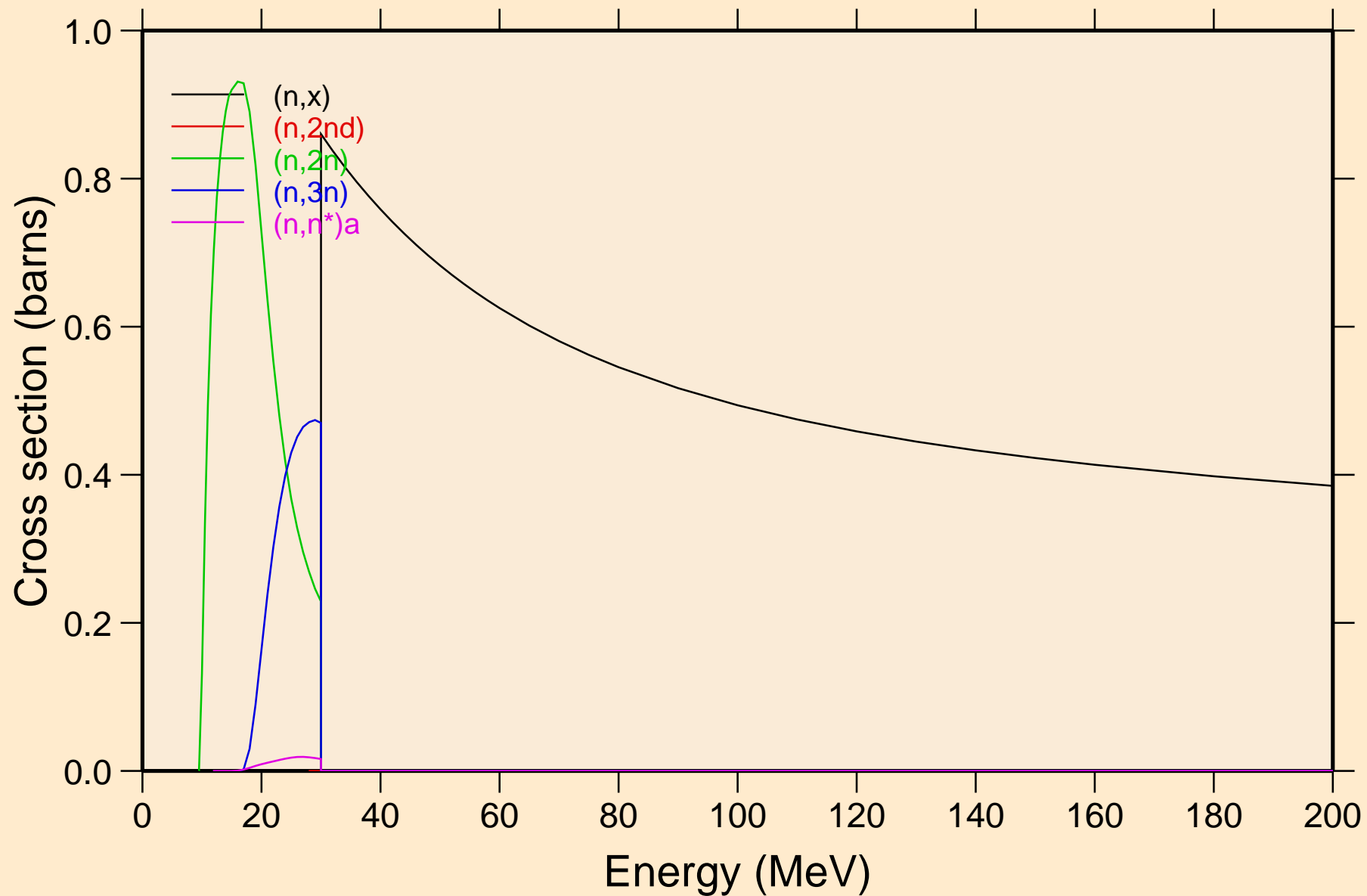
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



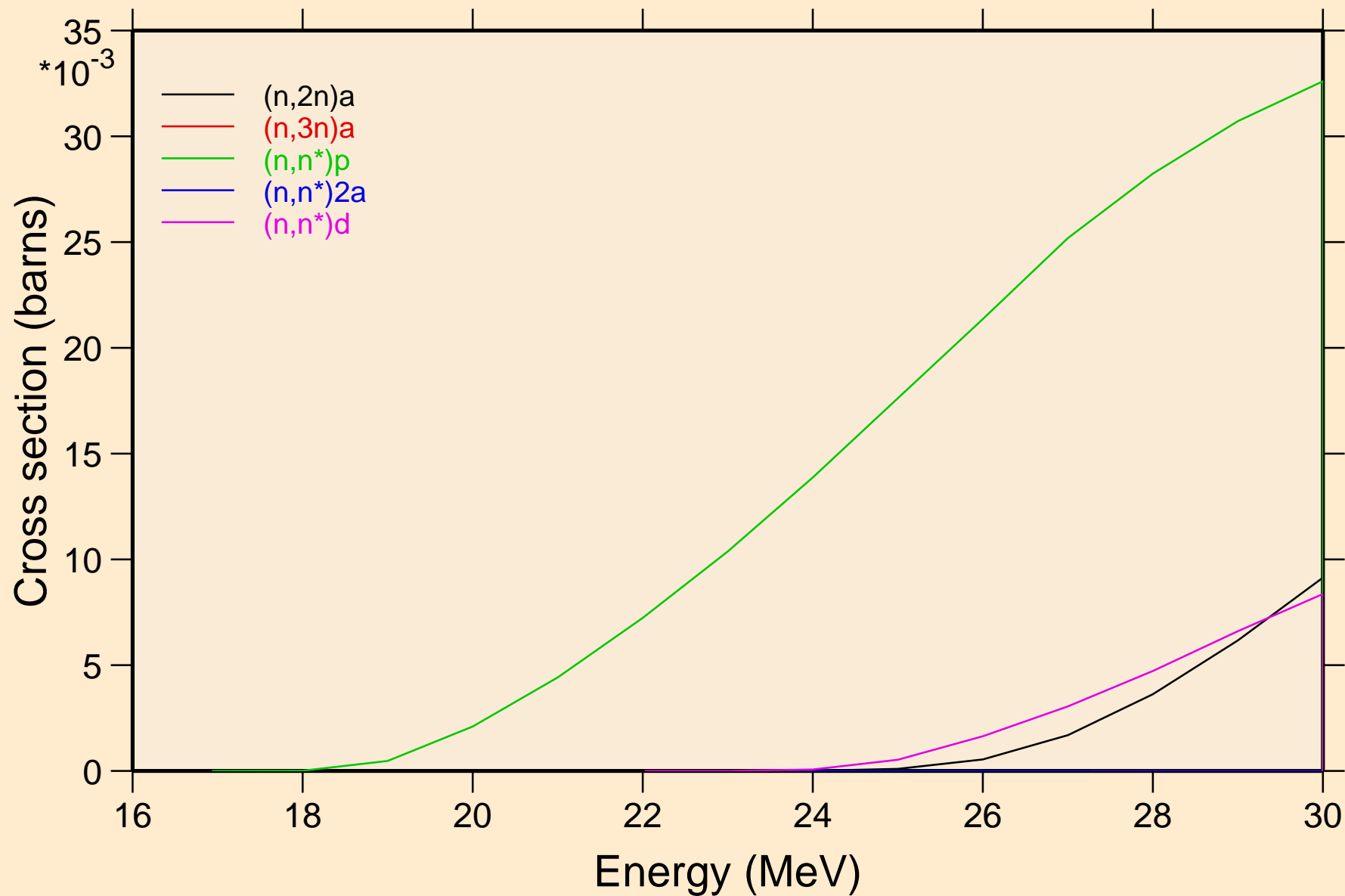
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

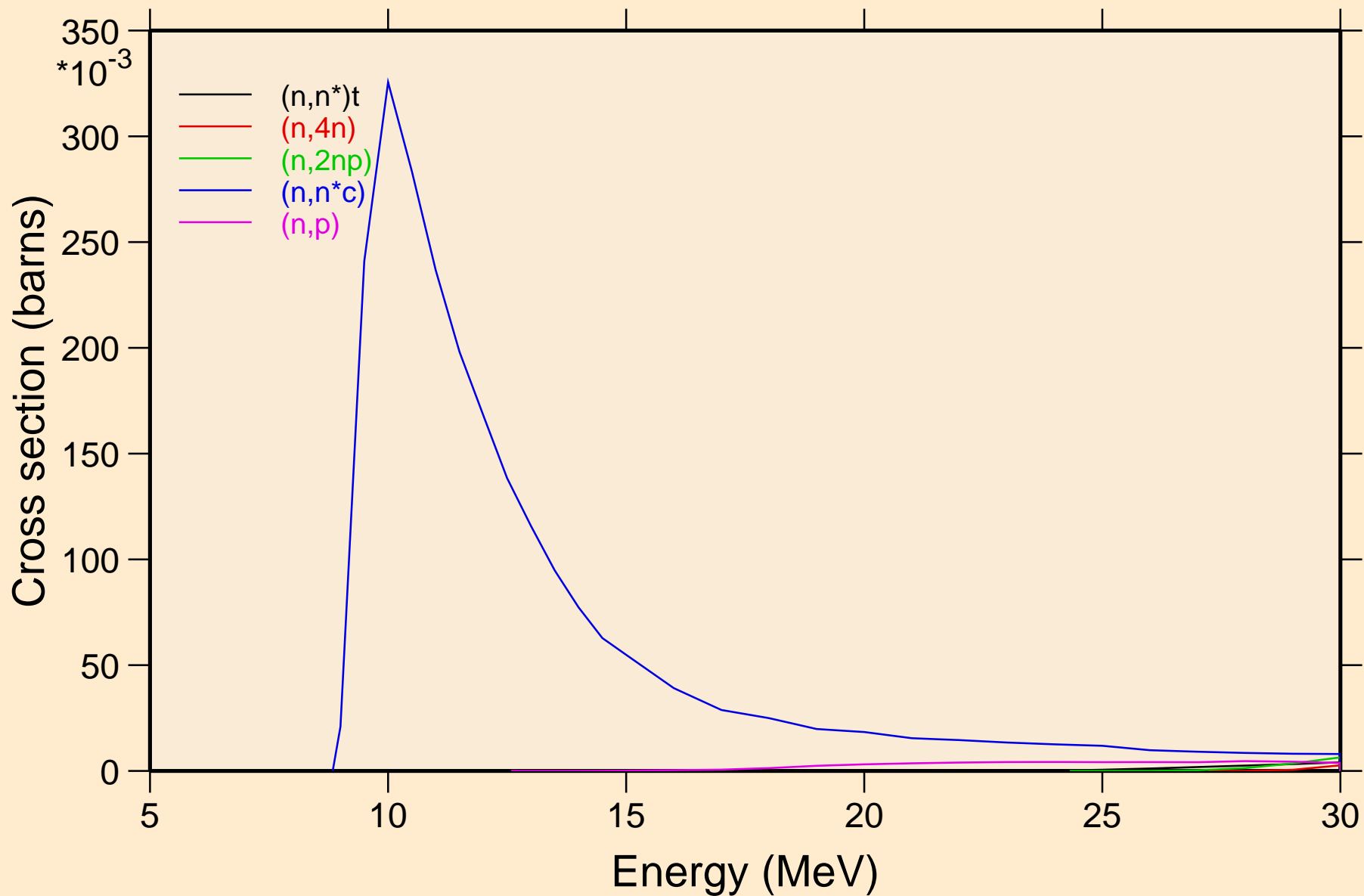


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

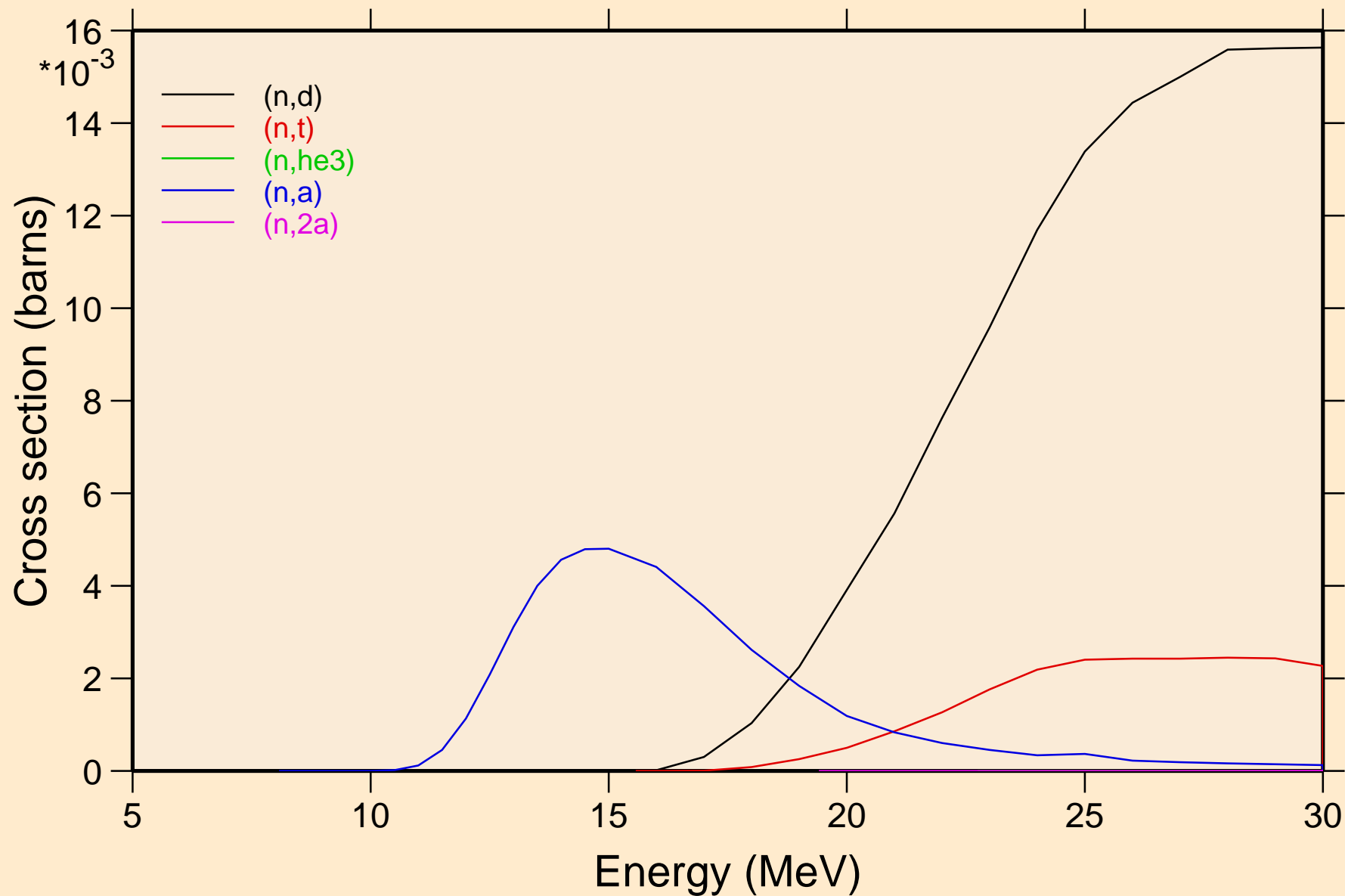


# SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

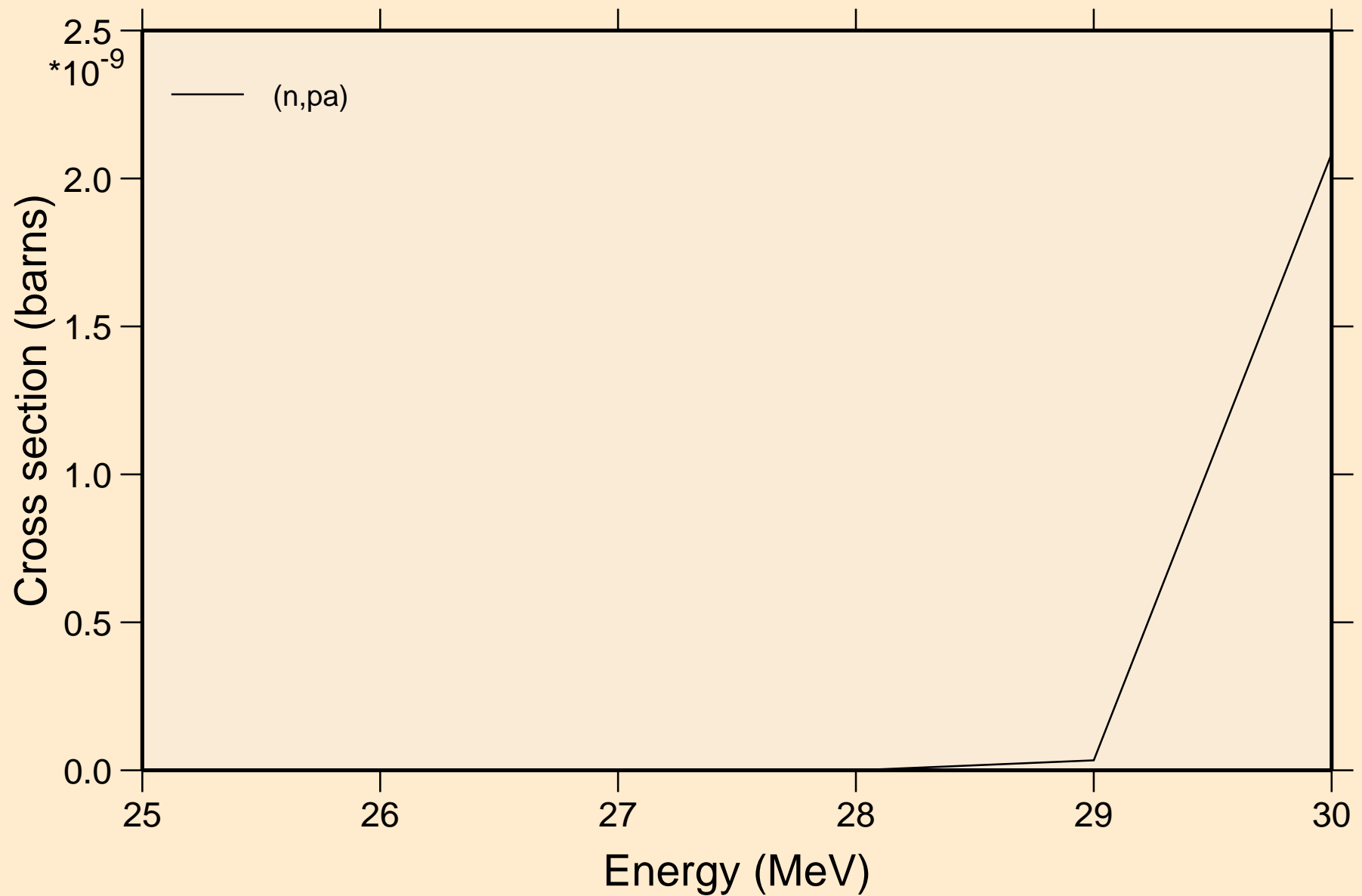


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



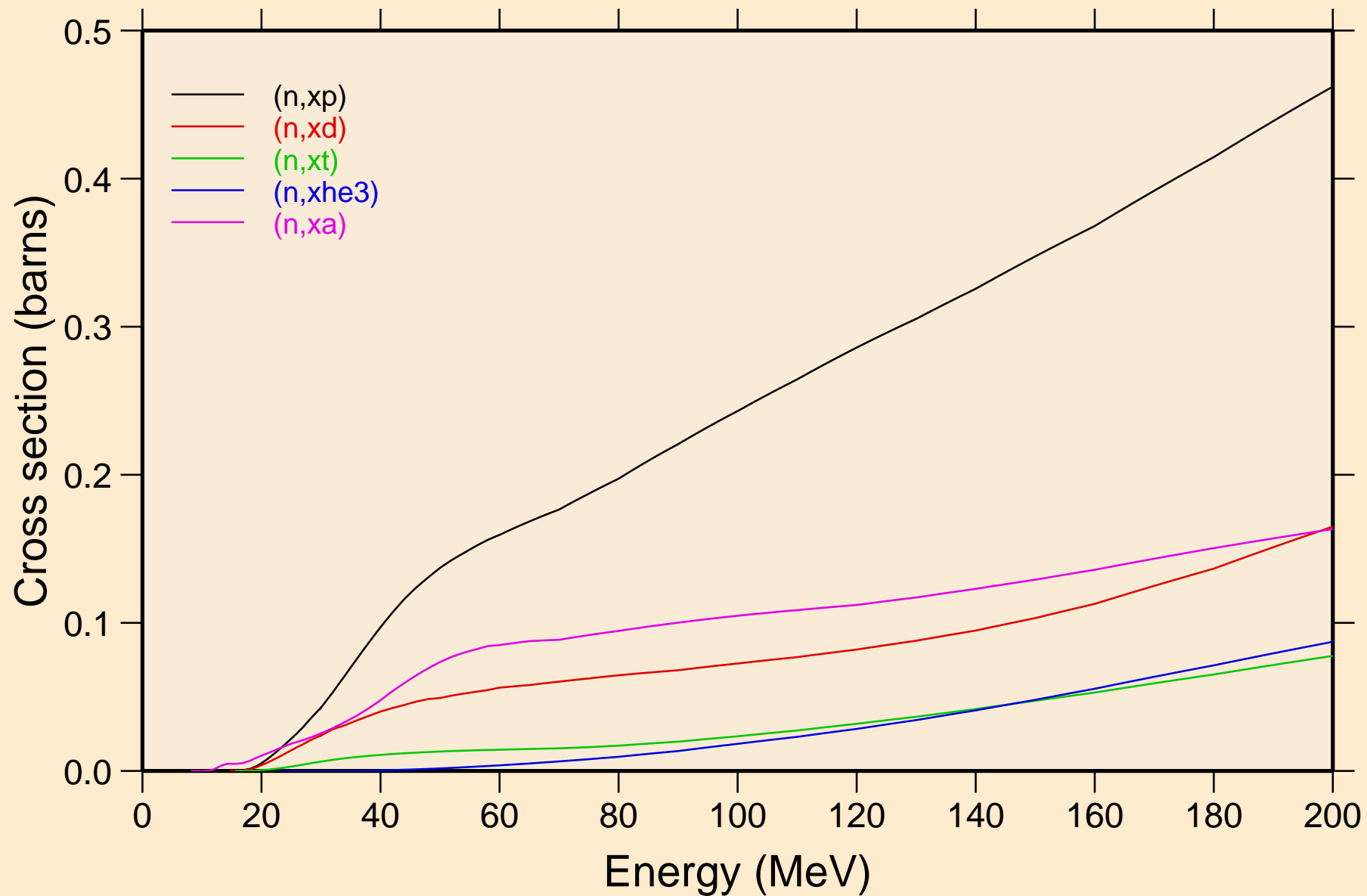


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

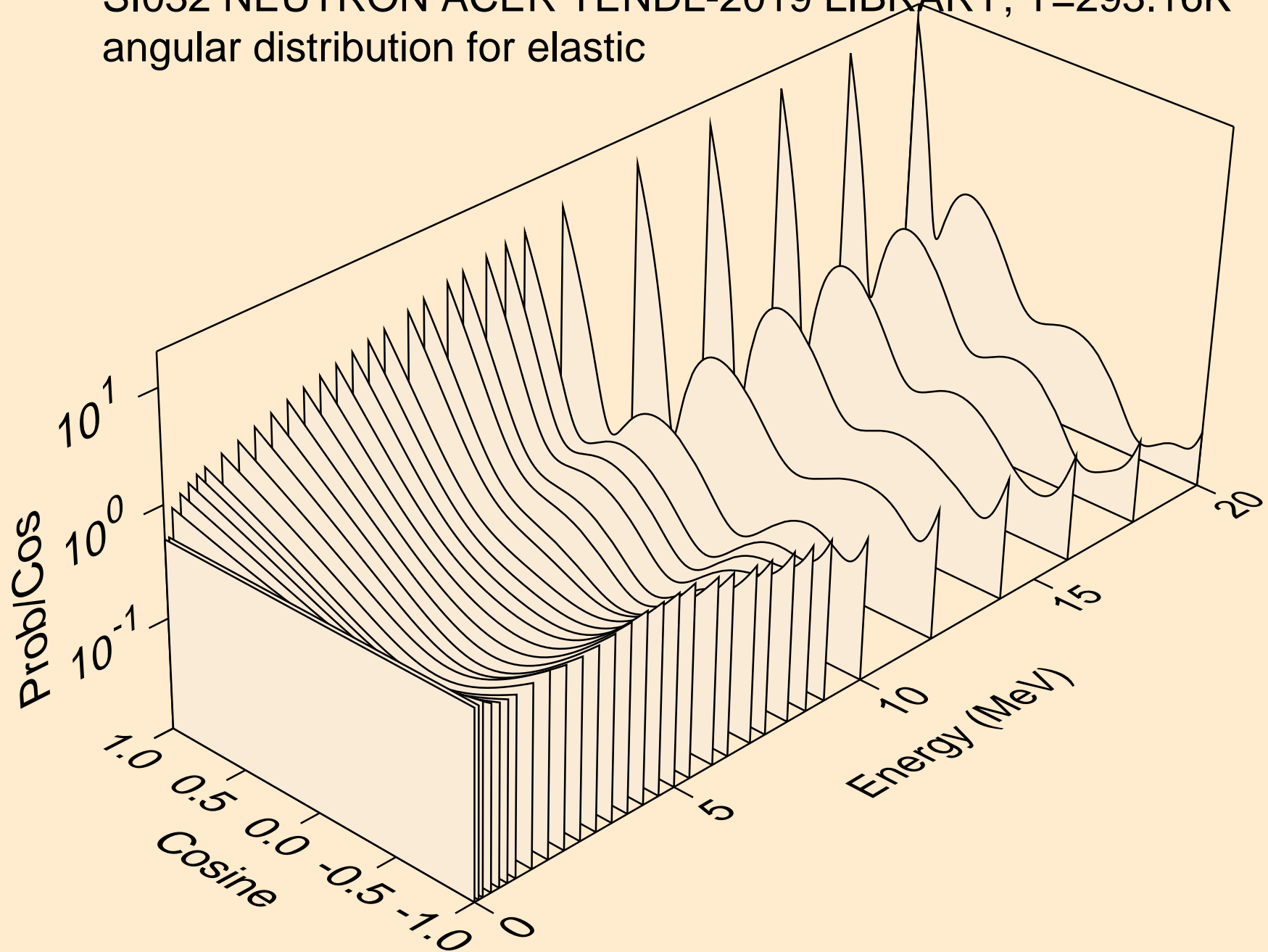


# SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

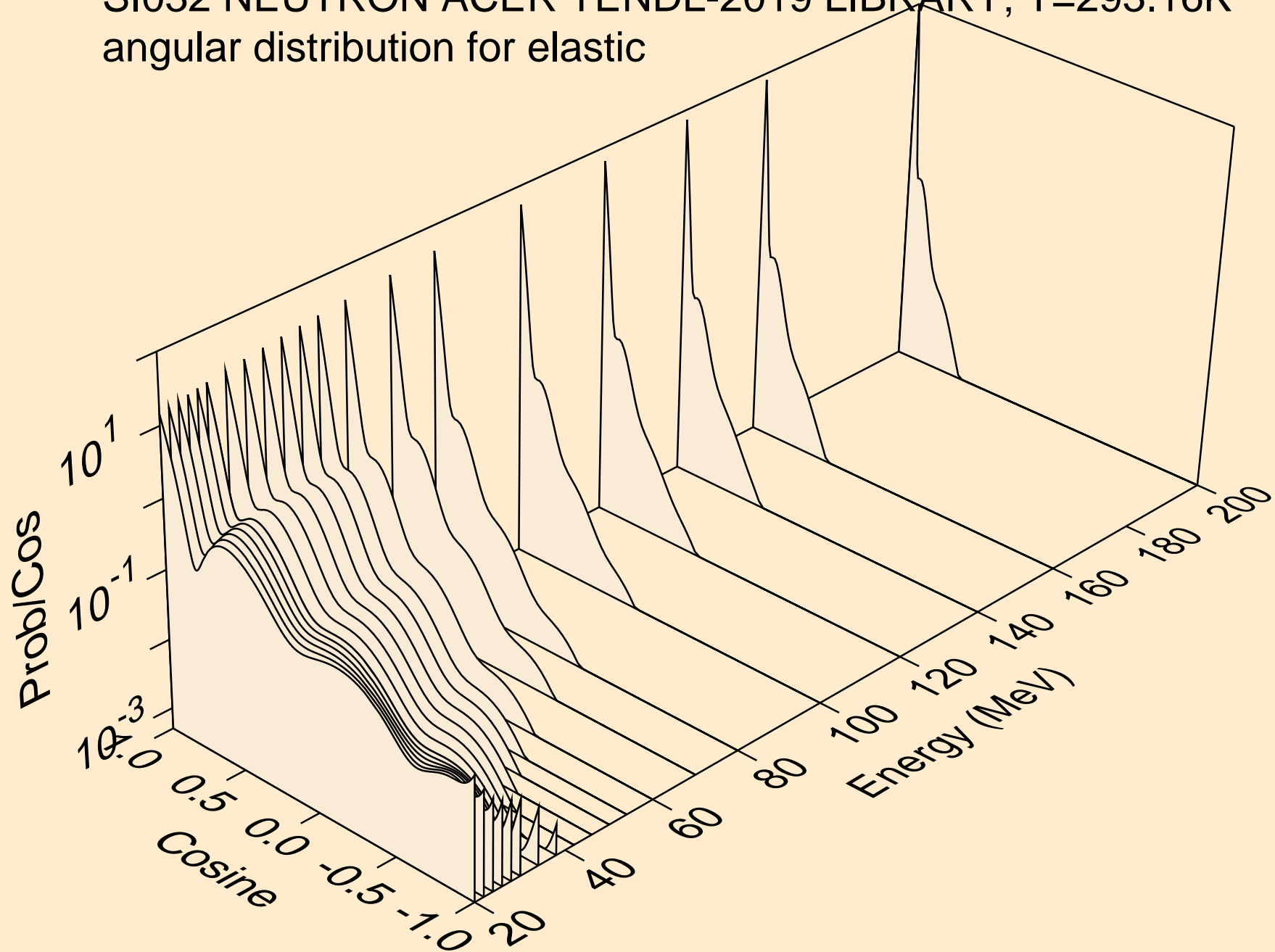
## Threshold reactions



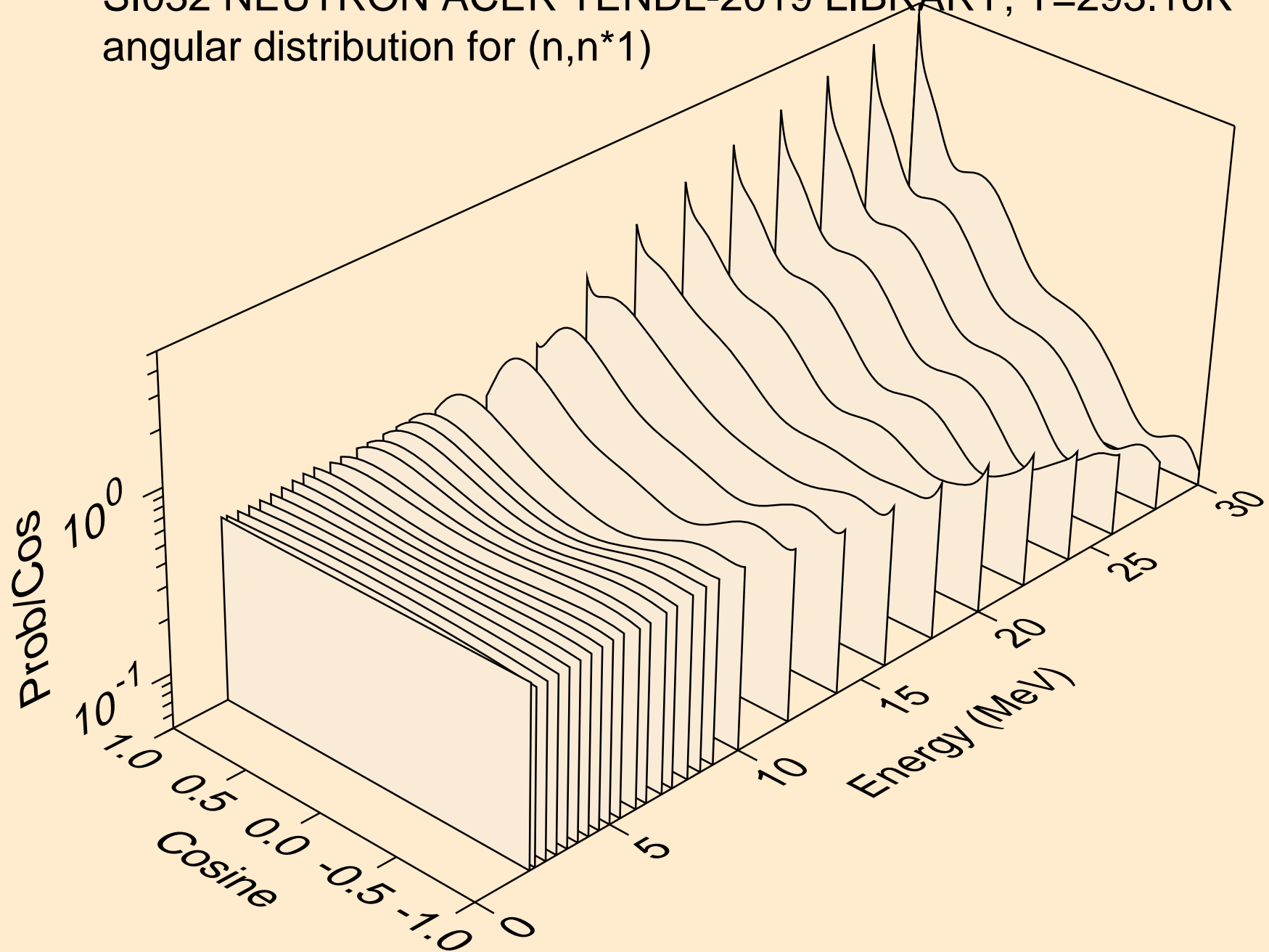
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



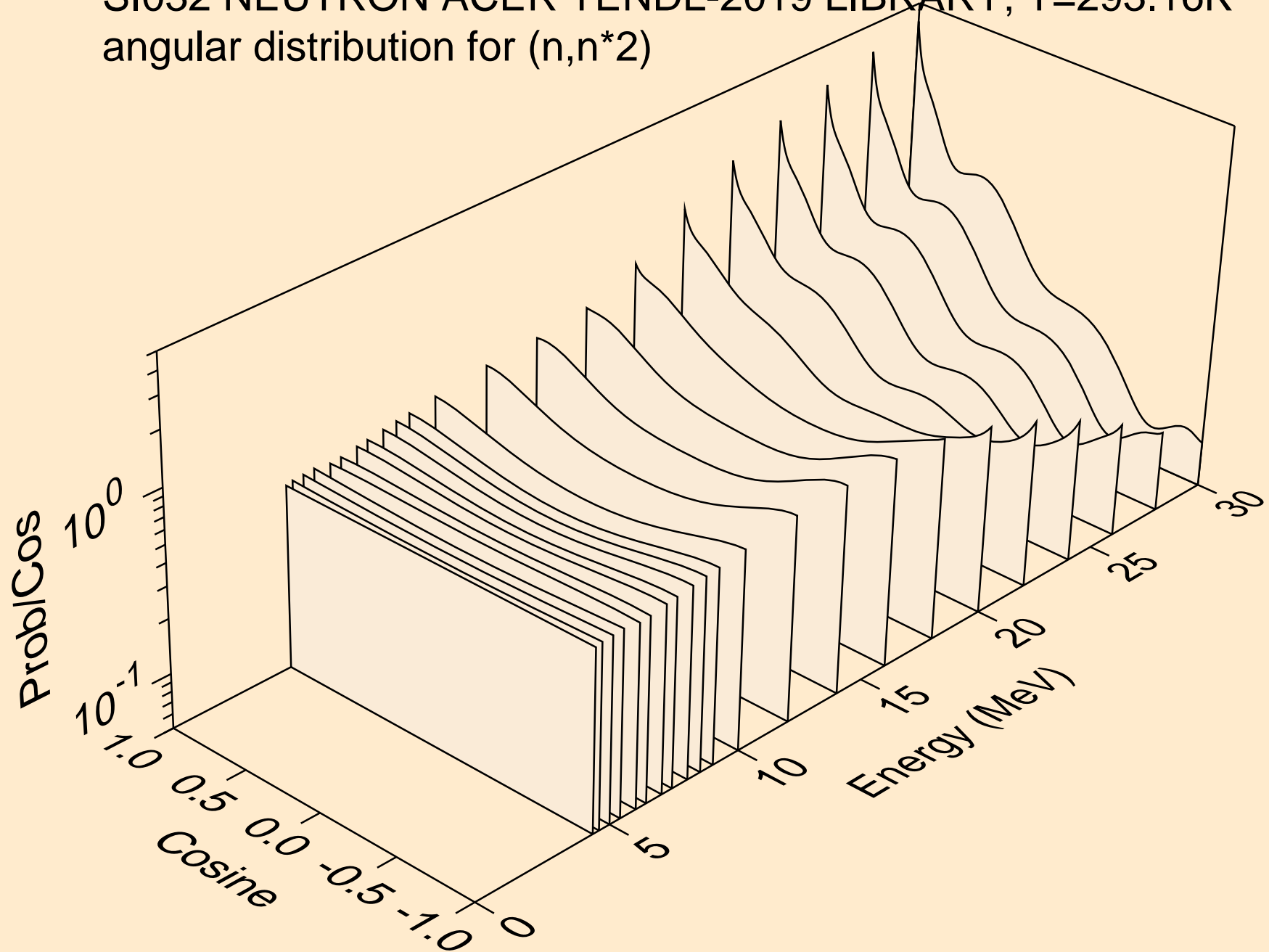
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angular distribution for elastic



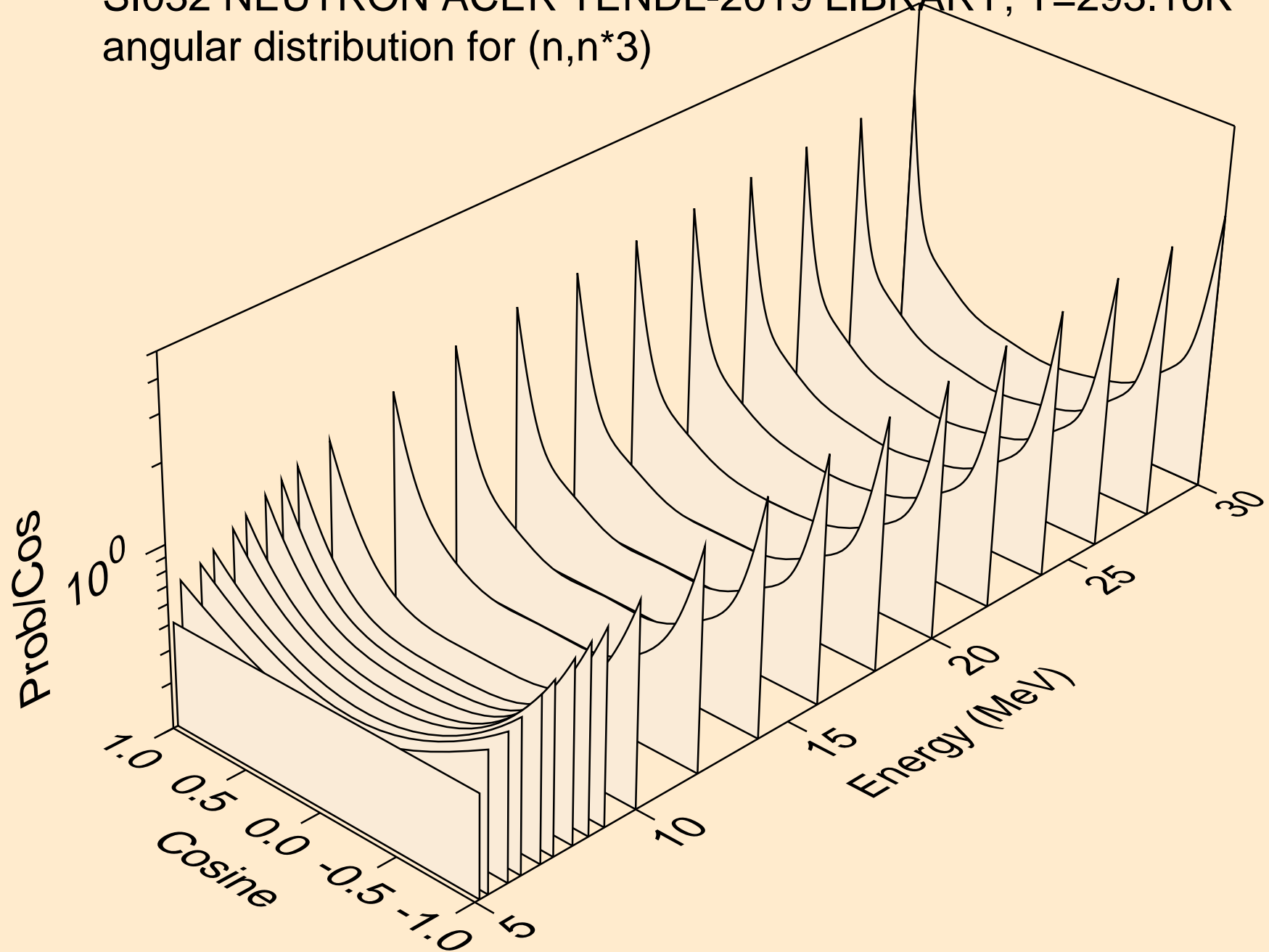
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



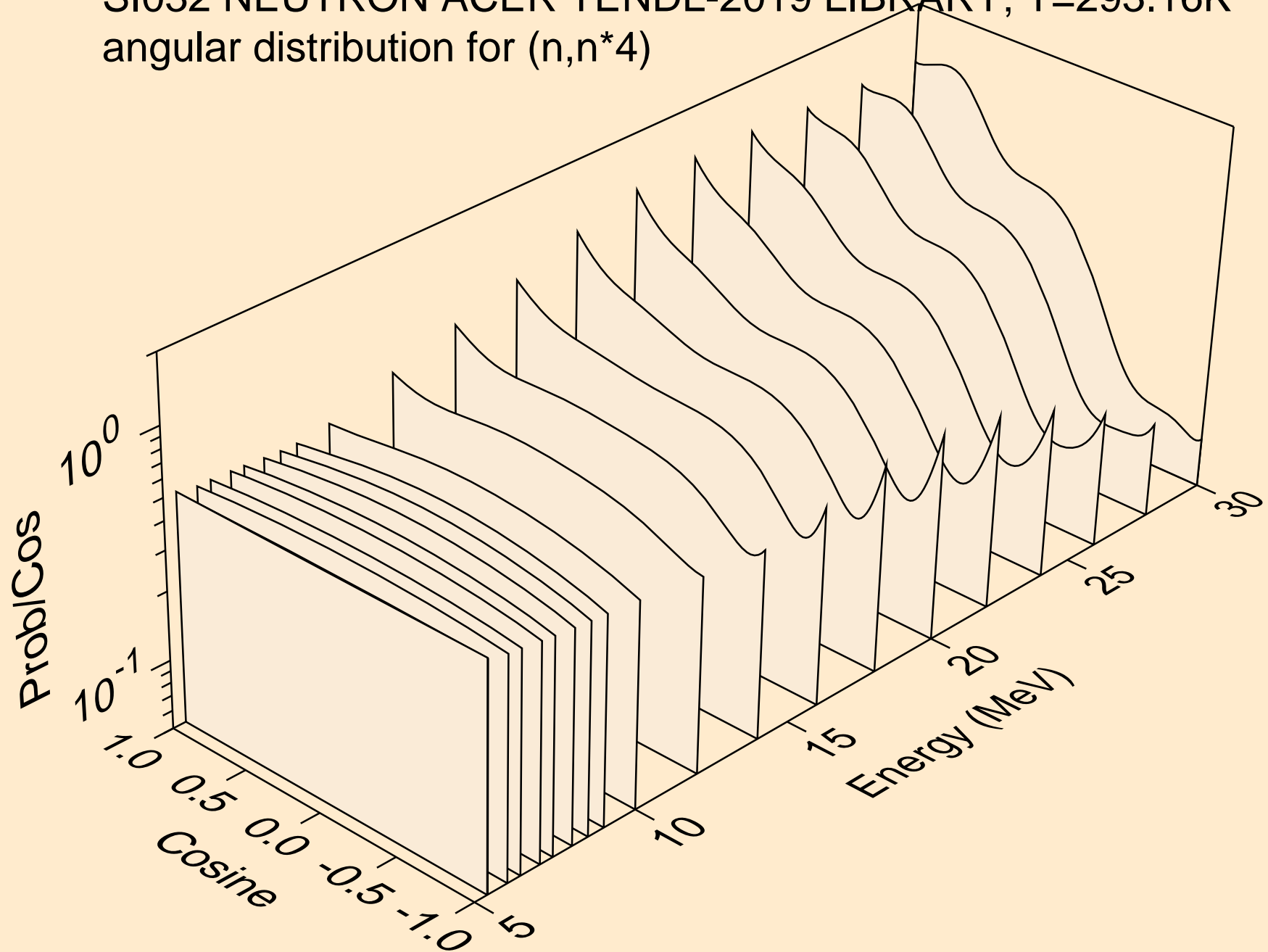
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

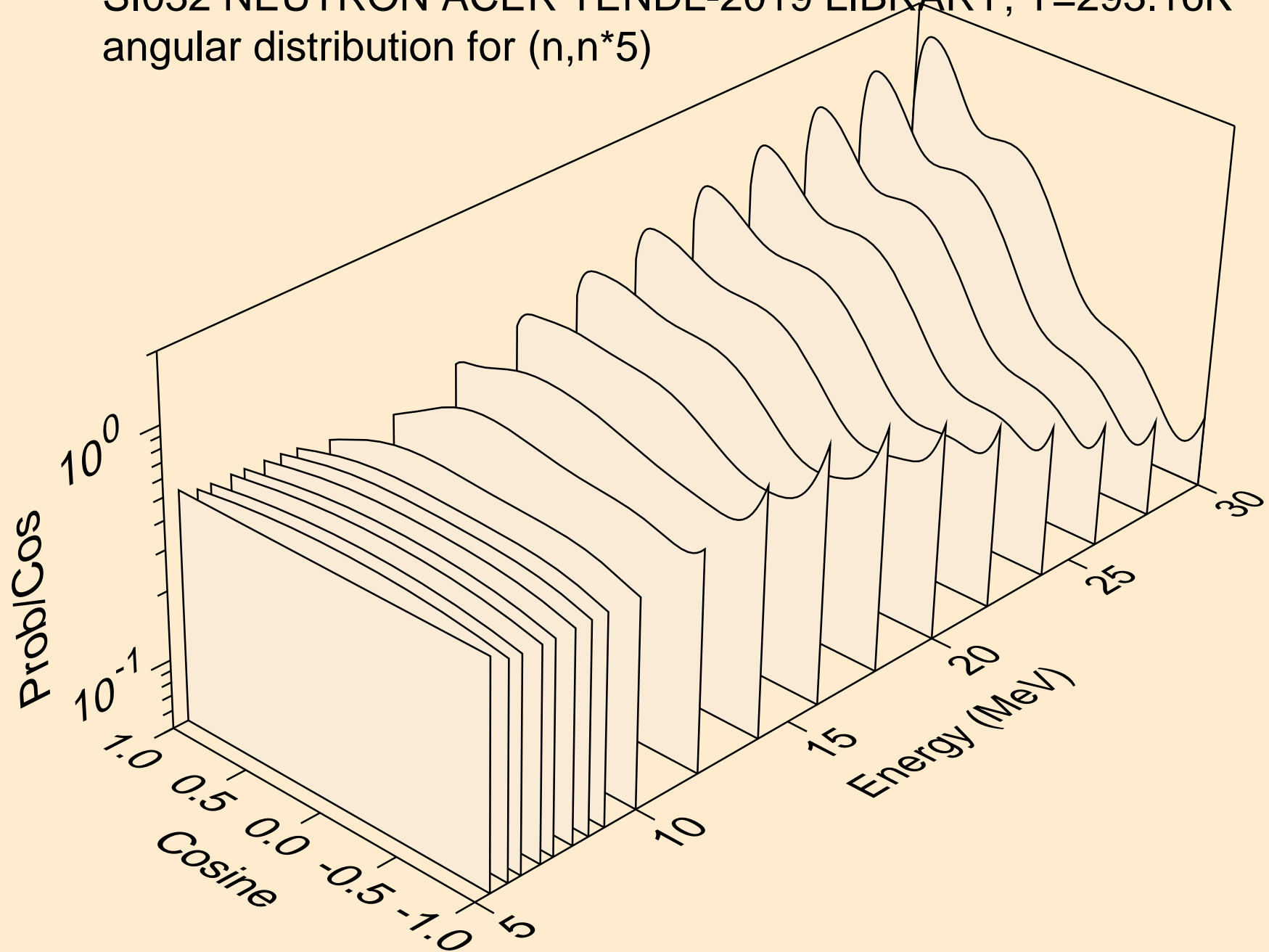


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

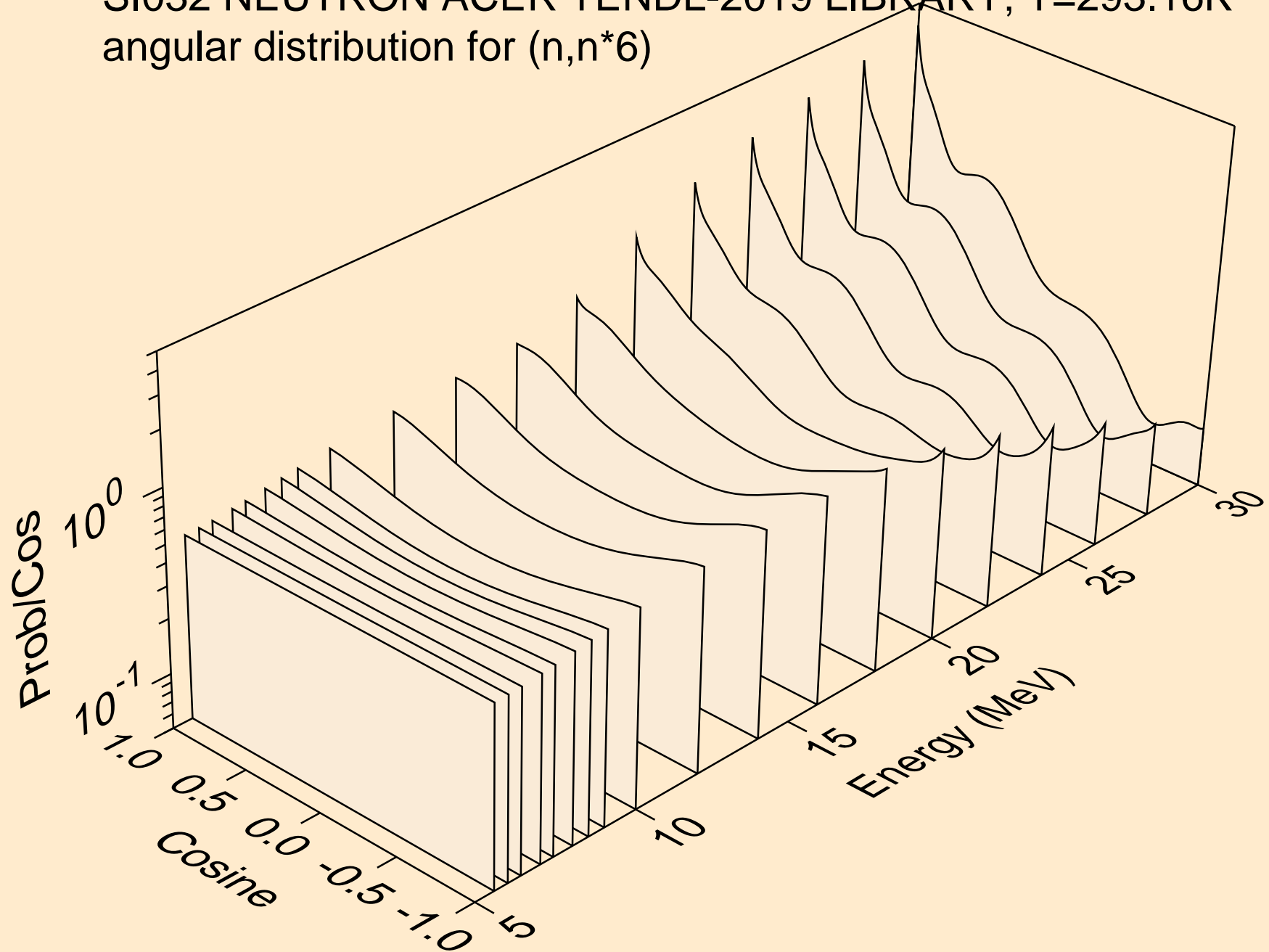




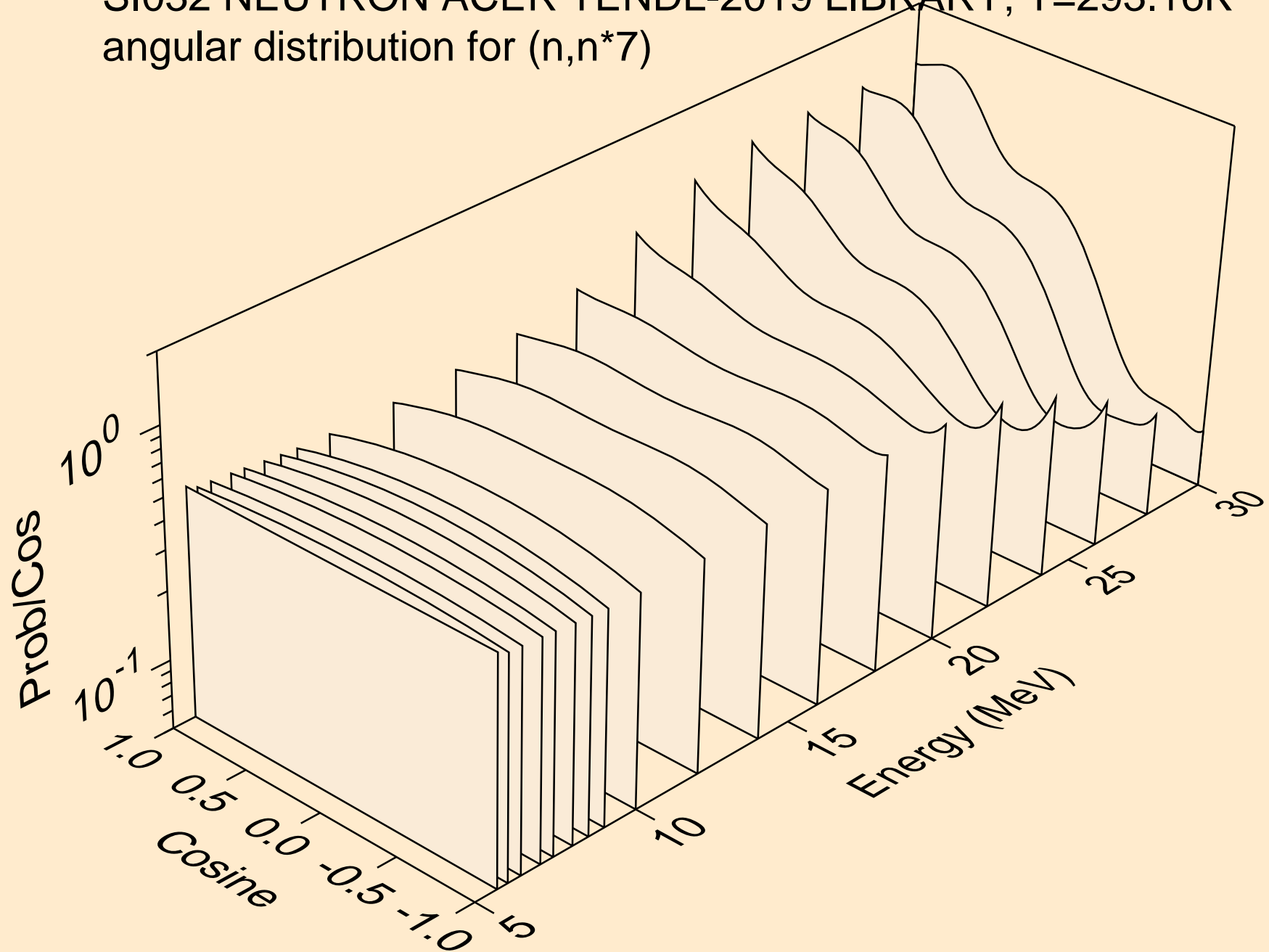
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angular distribution for (n,n\*5)



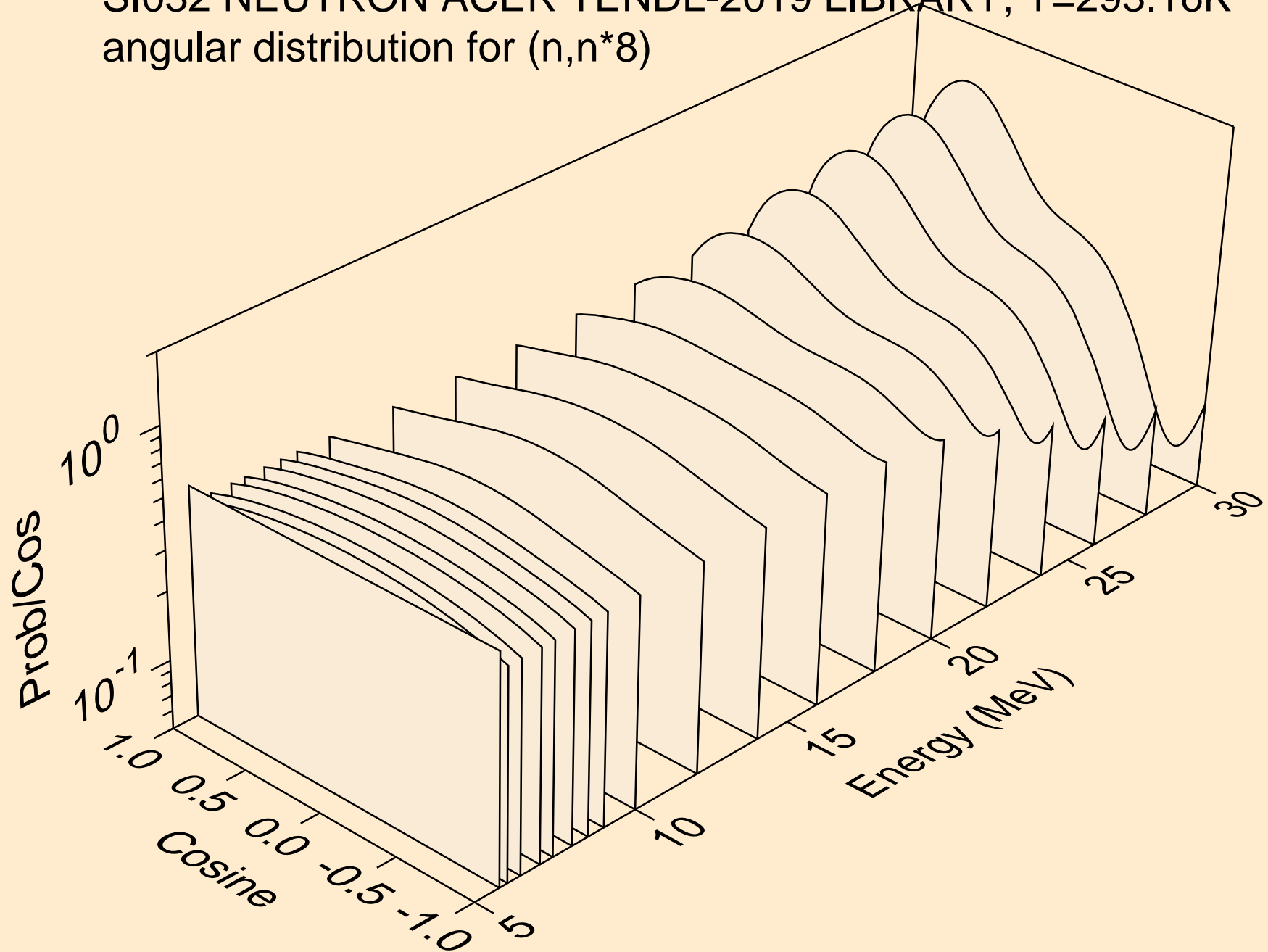
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angular distribution for (n,n\*6)



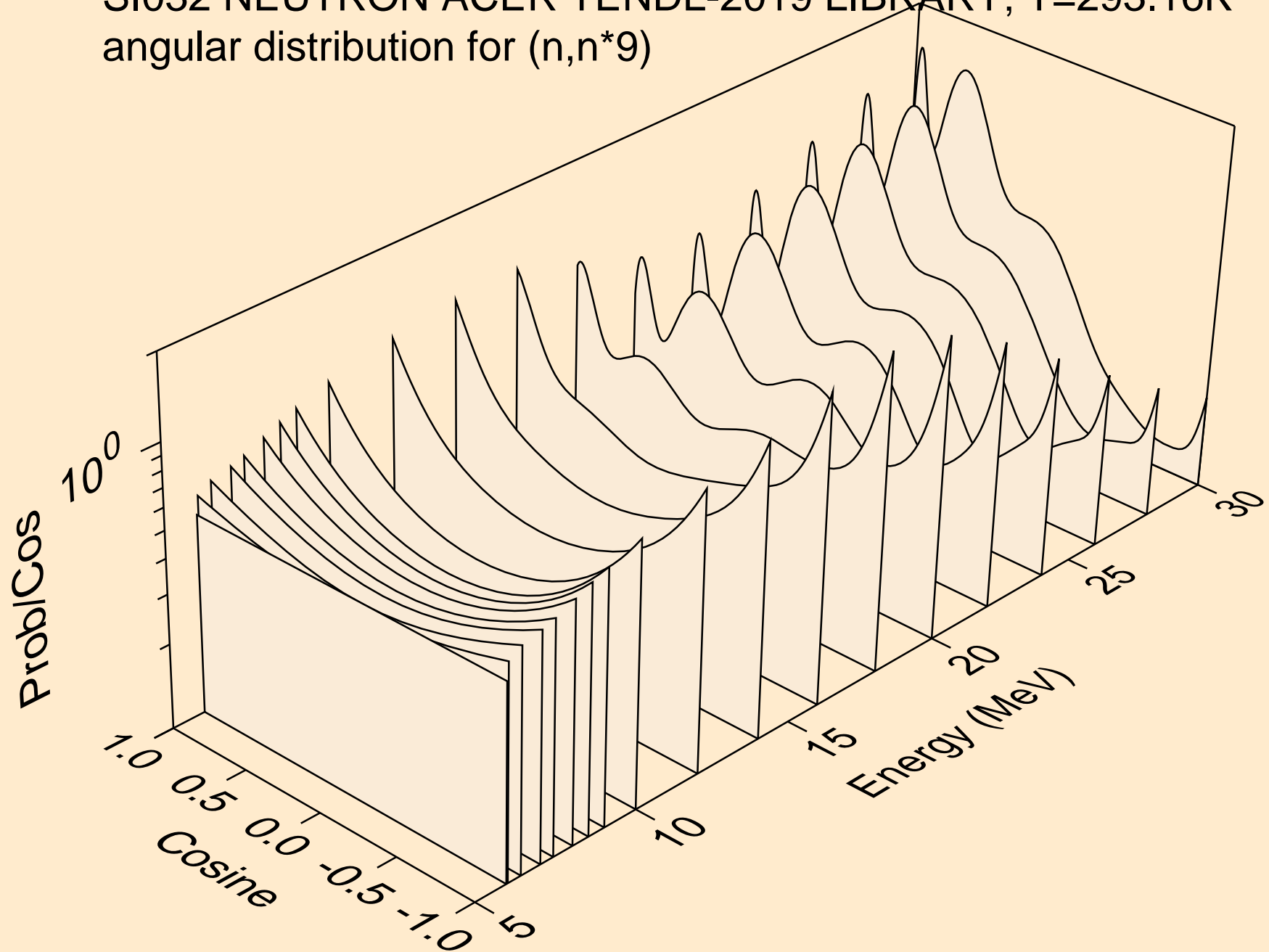
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angular distribution for (n,n\*7)



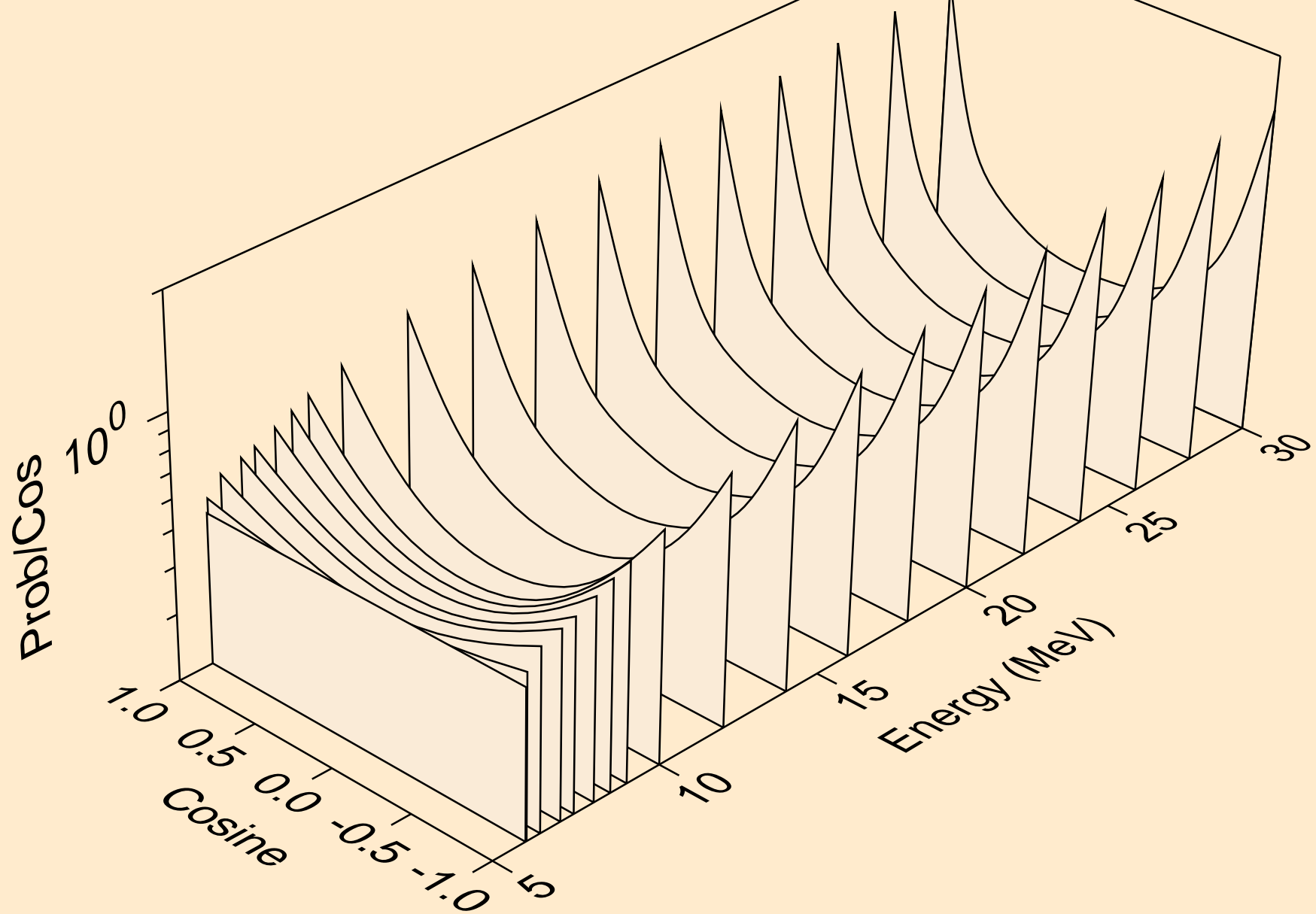
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angular distribution for (n,n\*8)



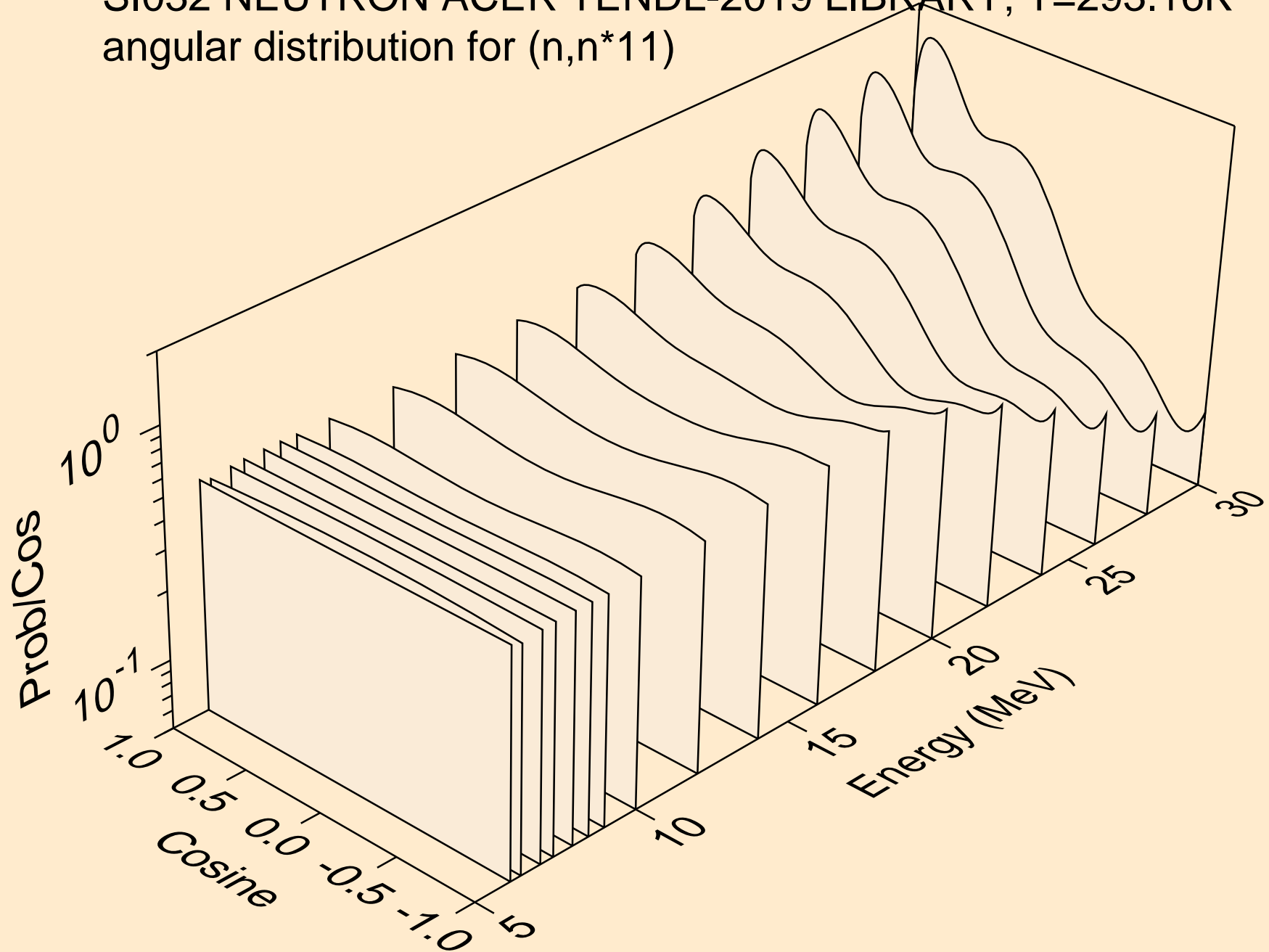
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angular distribution for (n,n\*9)



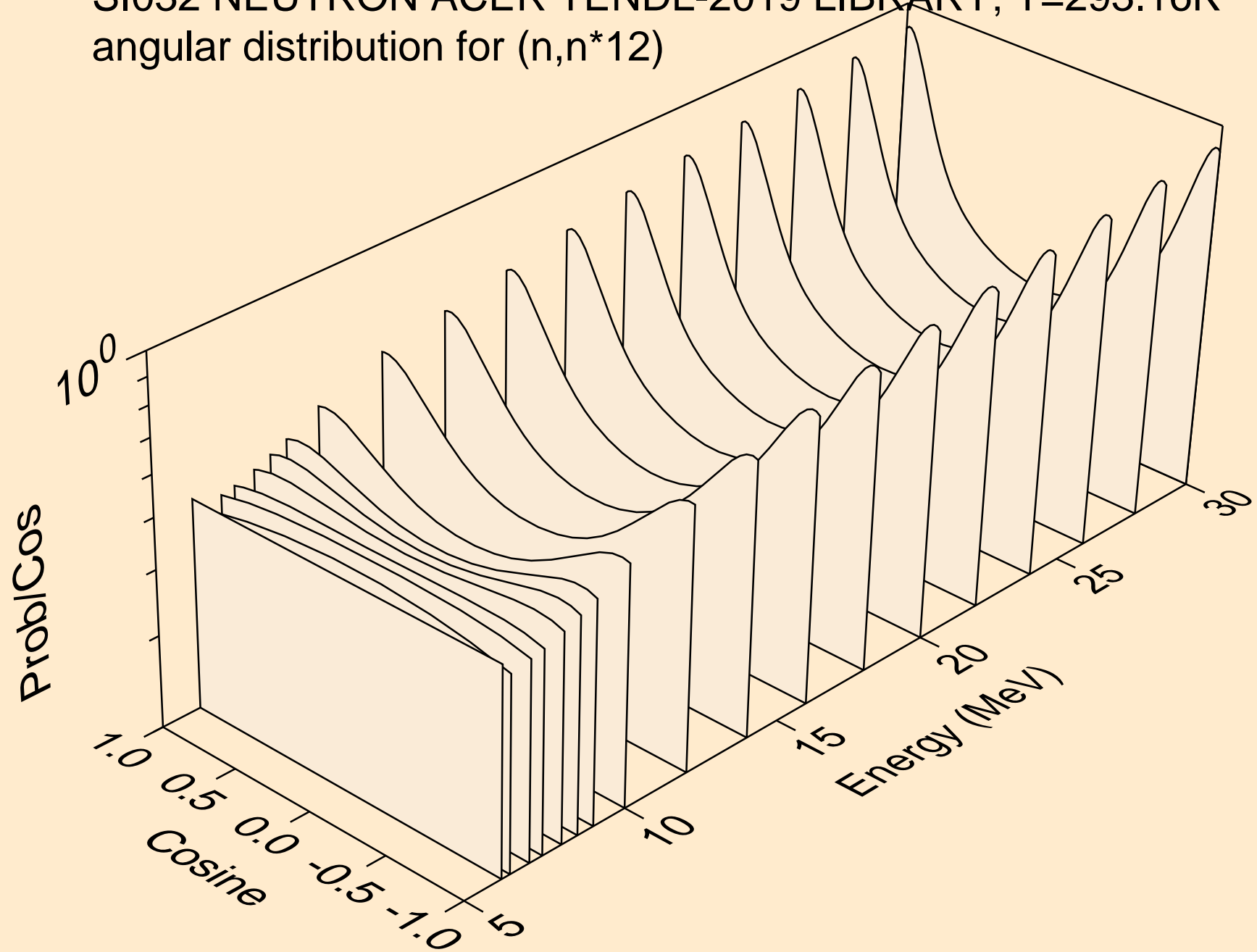
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

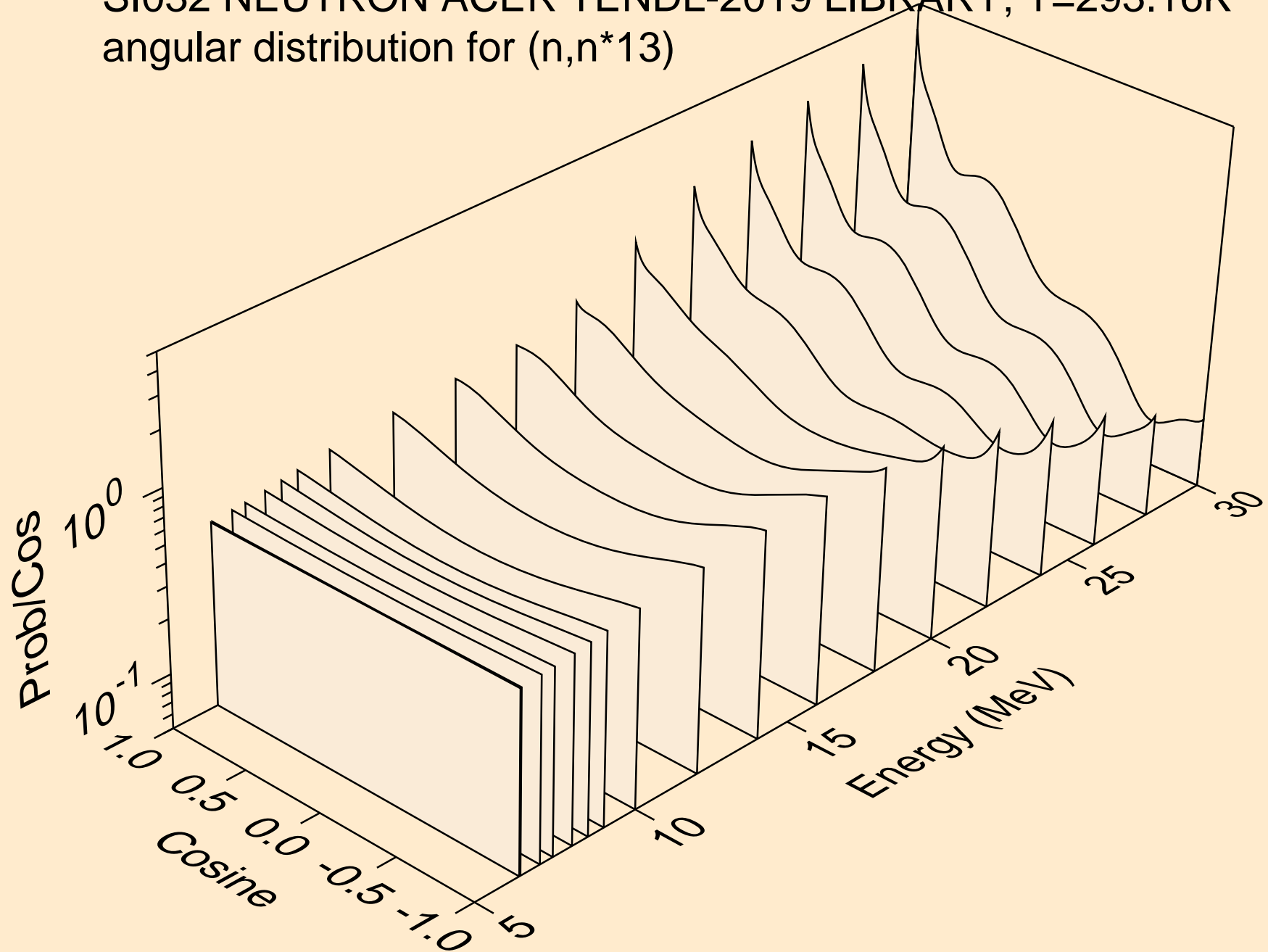


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

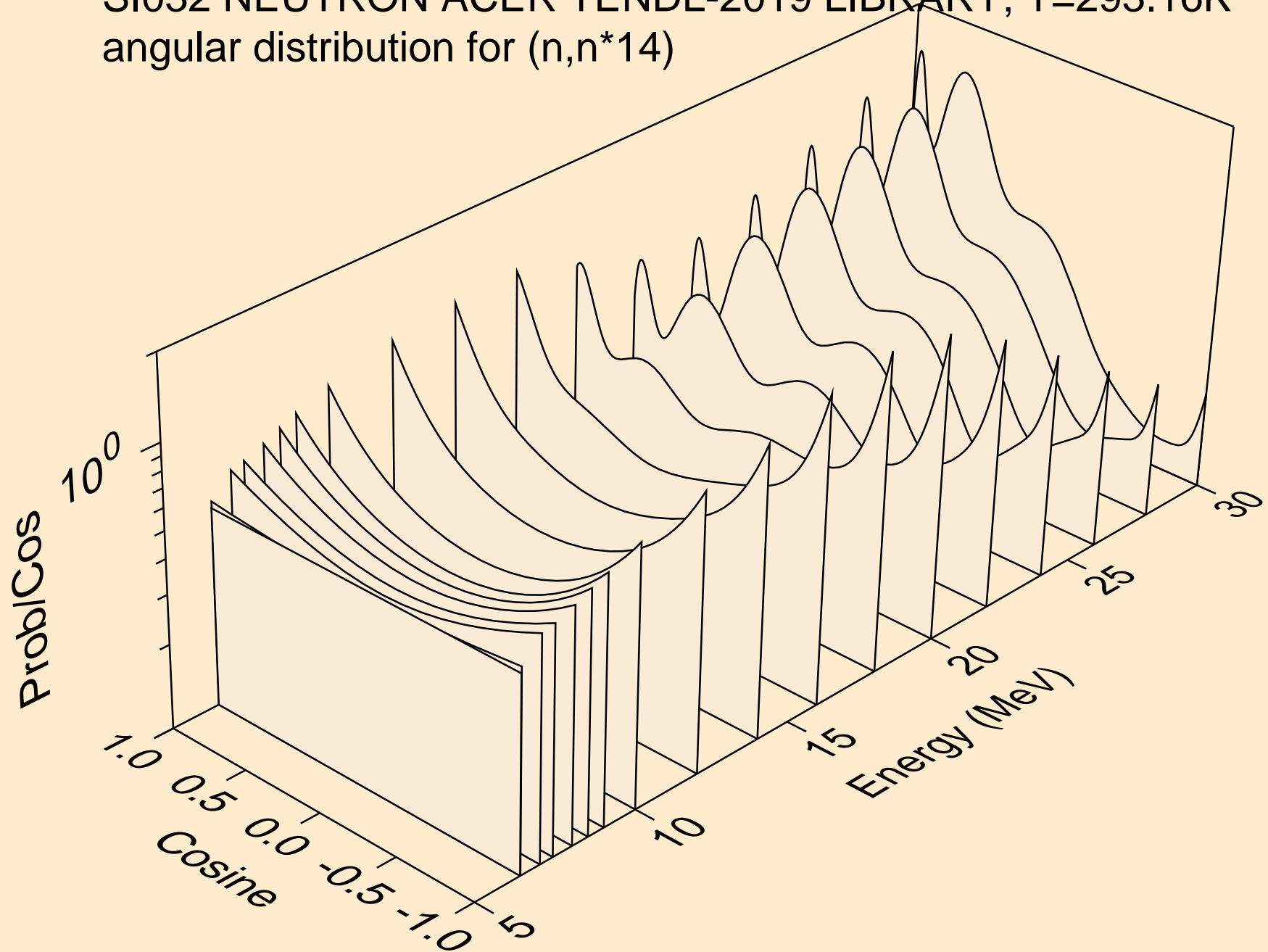




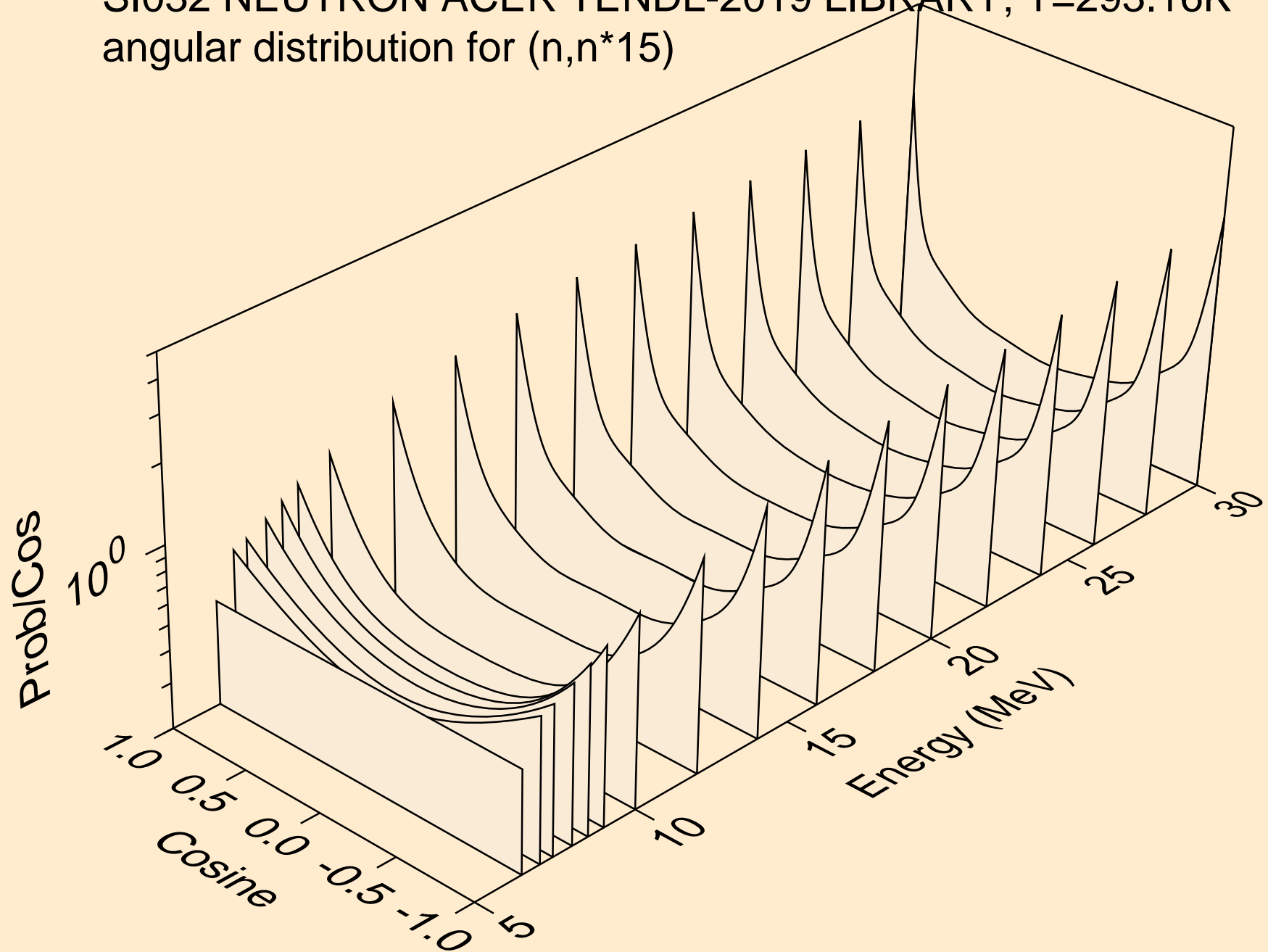
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angular distribution for (n,n\*13)



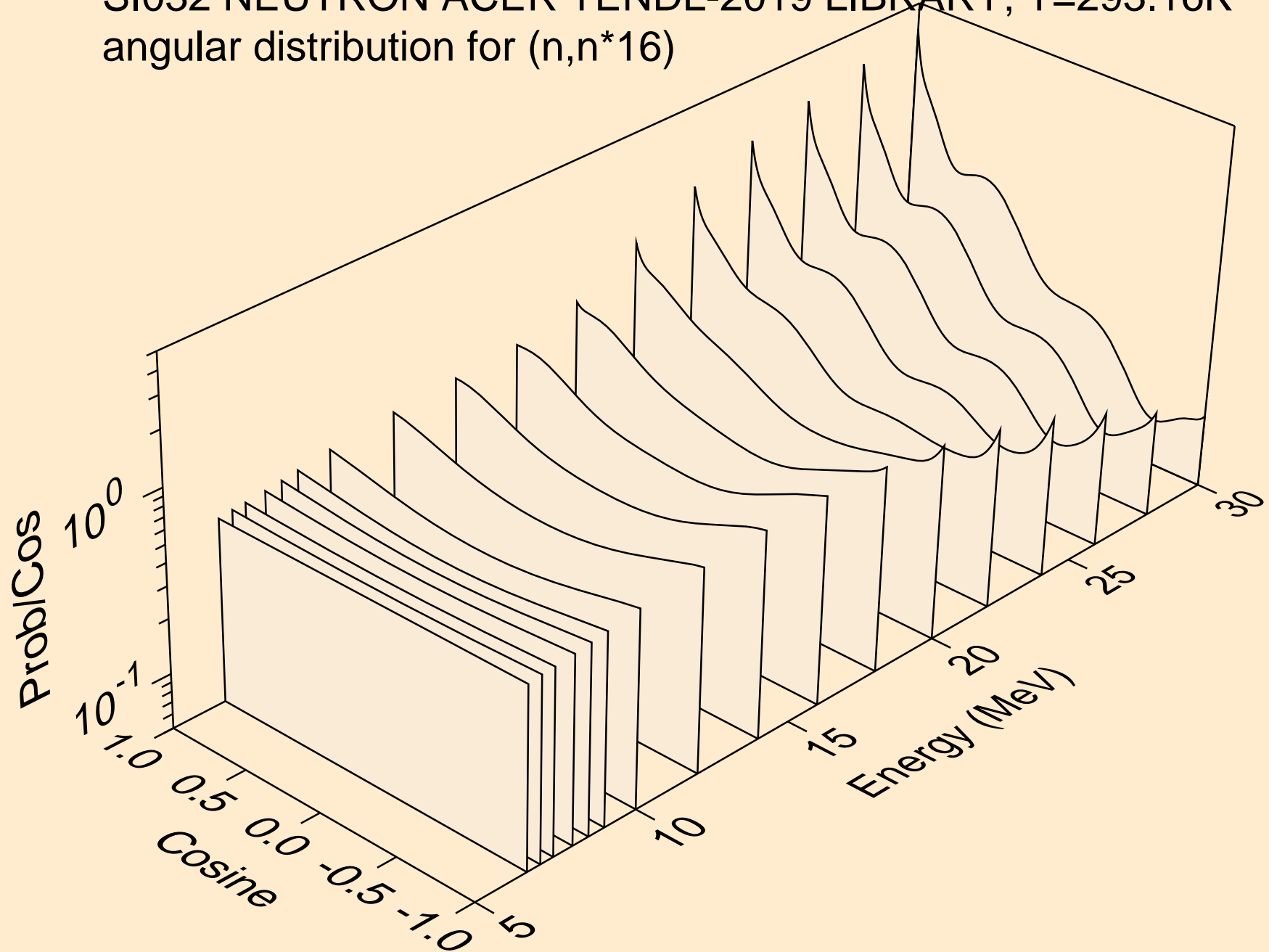
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angular distribution for (n,n\*14)



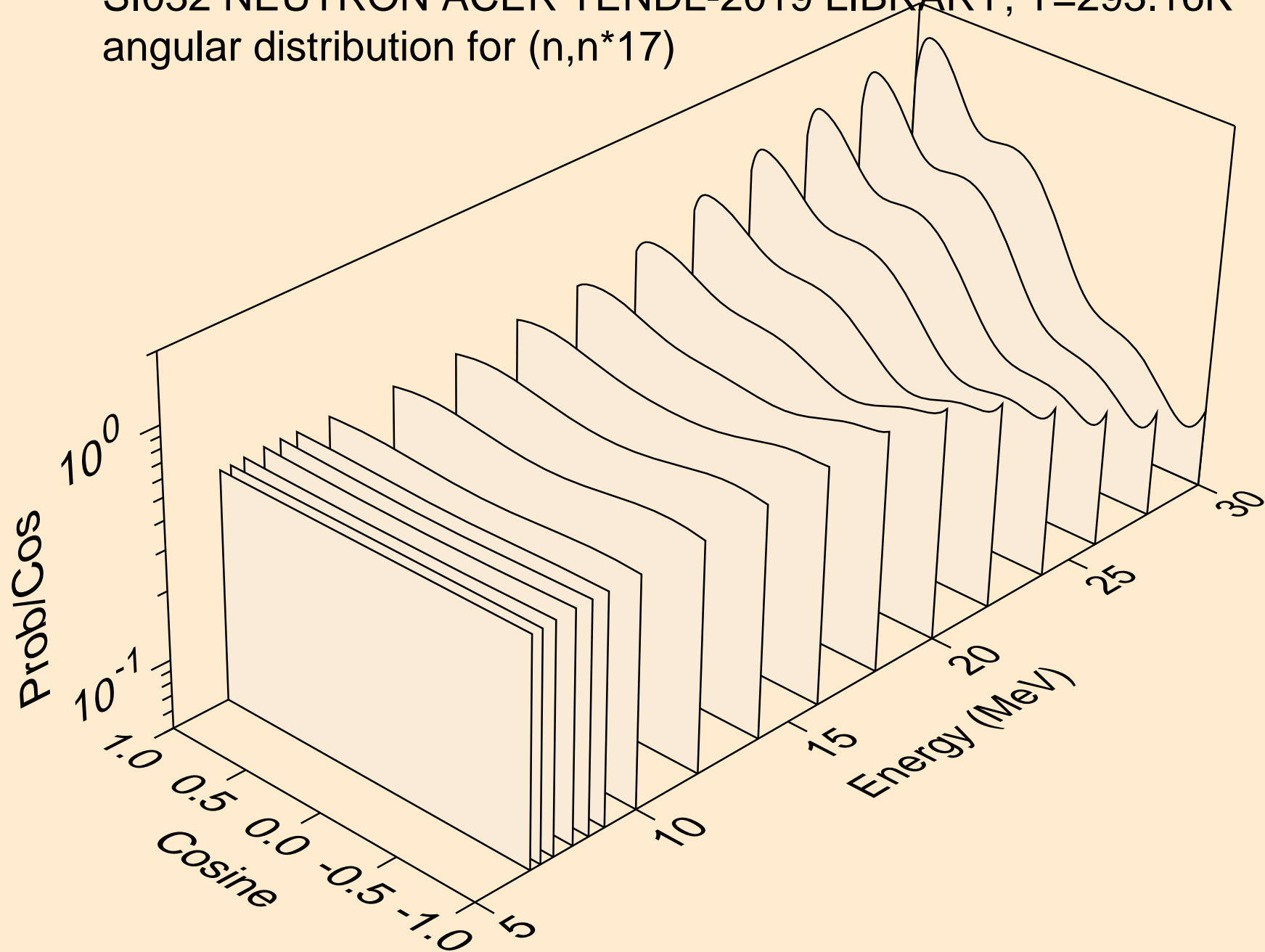
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angular distribution for (n,n\*15)



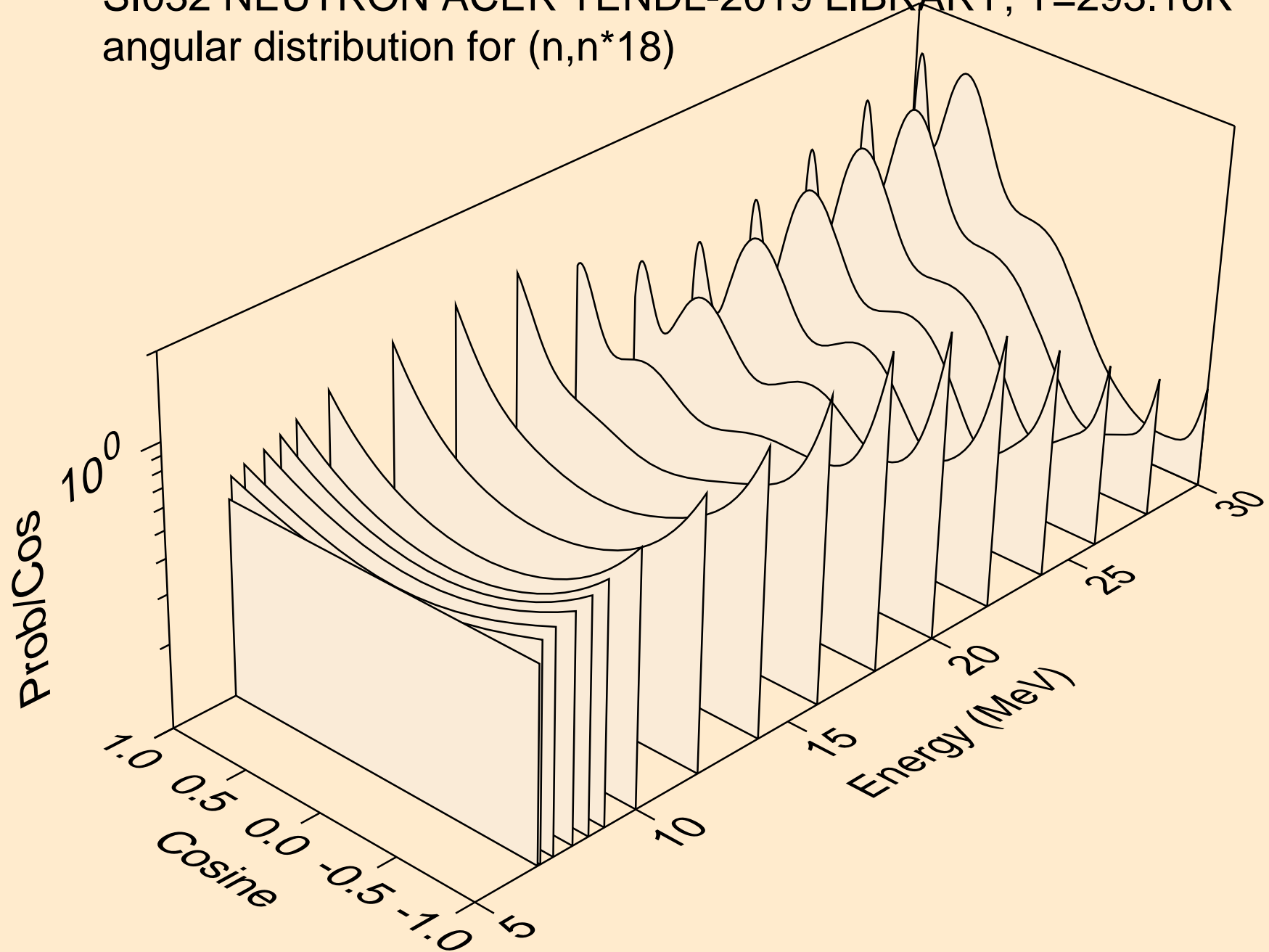
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angular distribution for (n,n\*16)



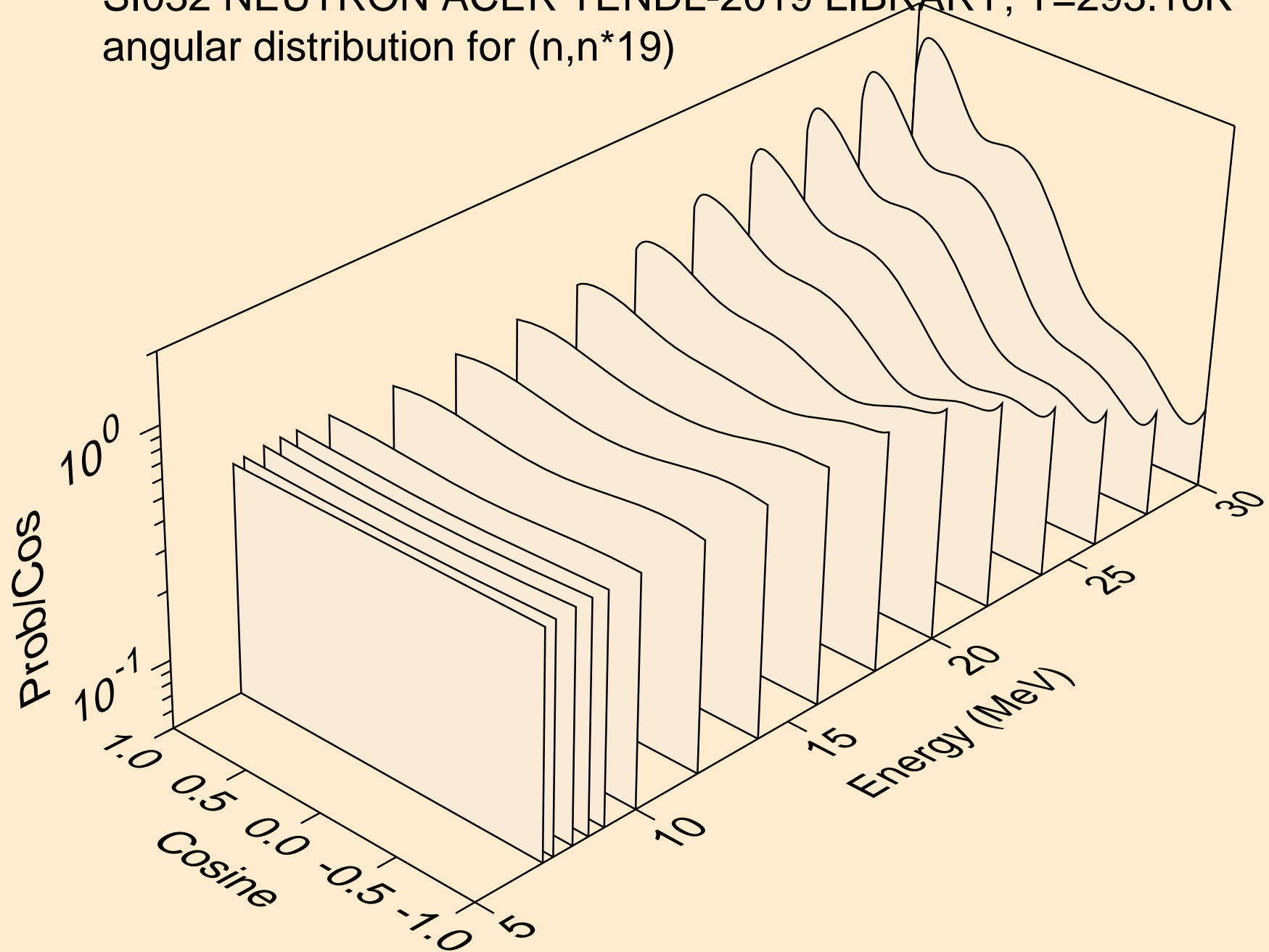
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angular distribution for (n,n\*17)



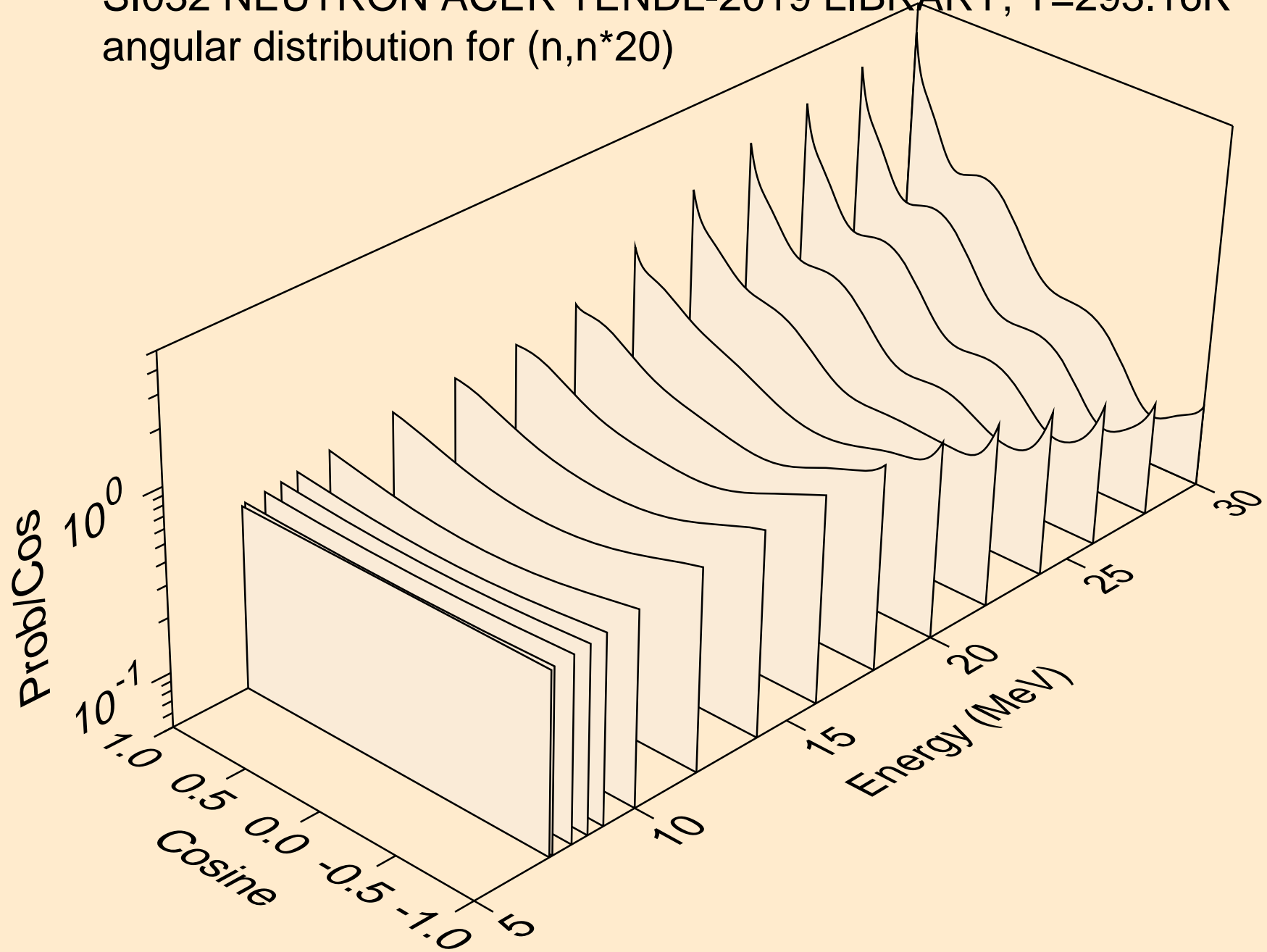
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

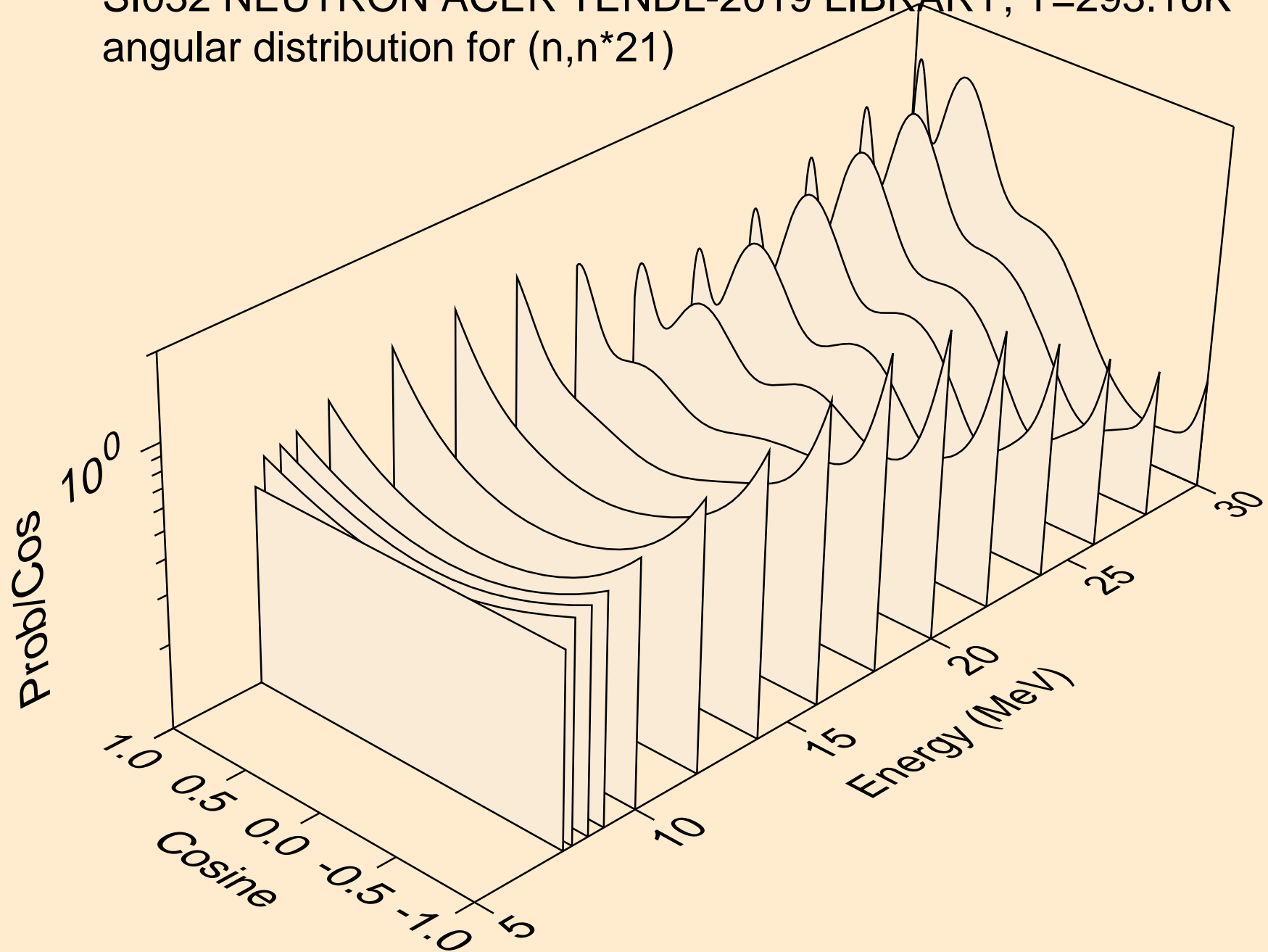


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angular distribution for (n,n\*20)

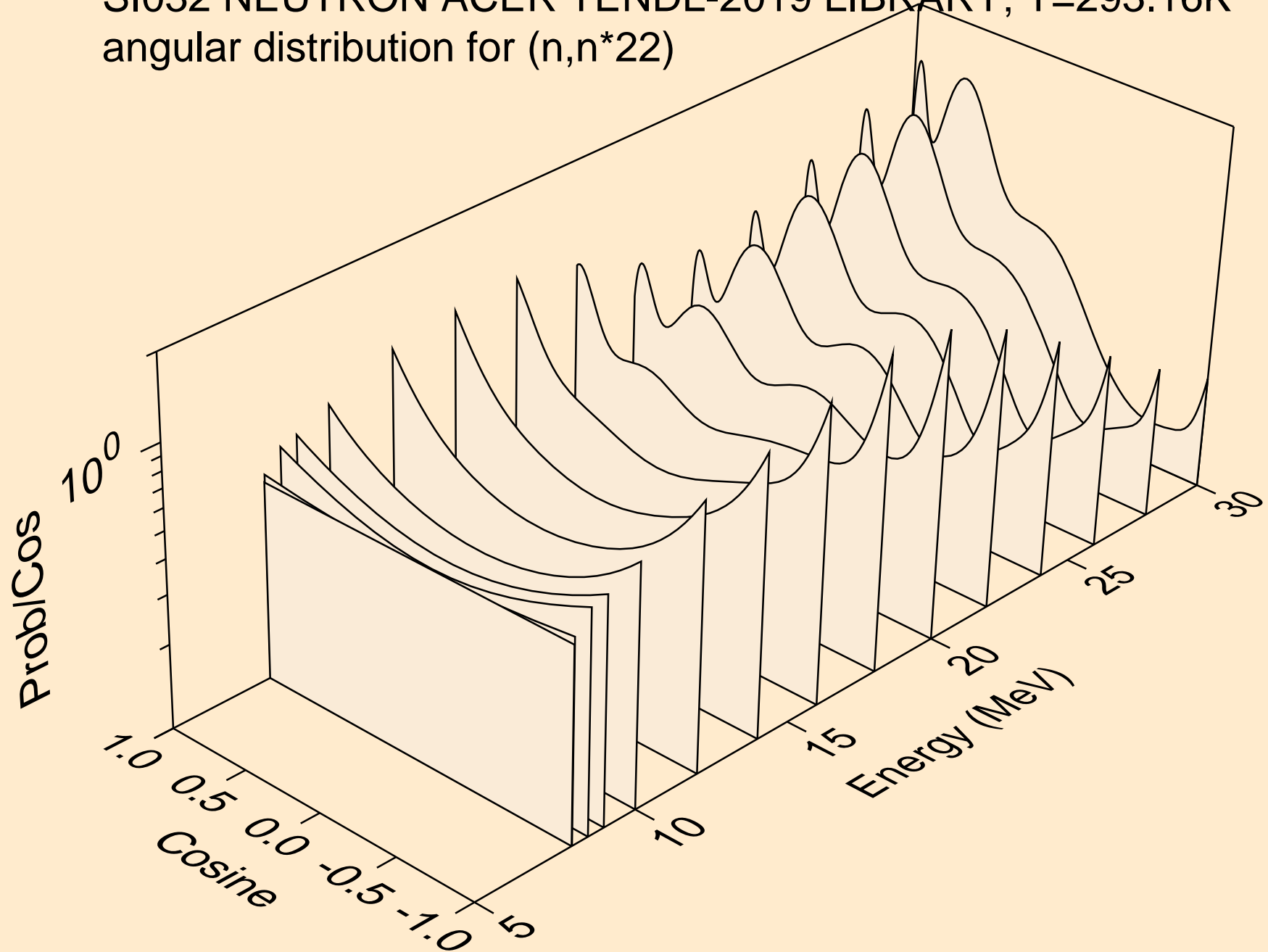




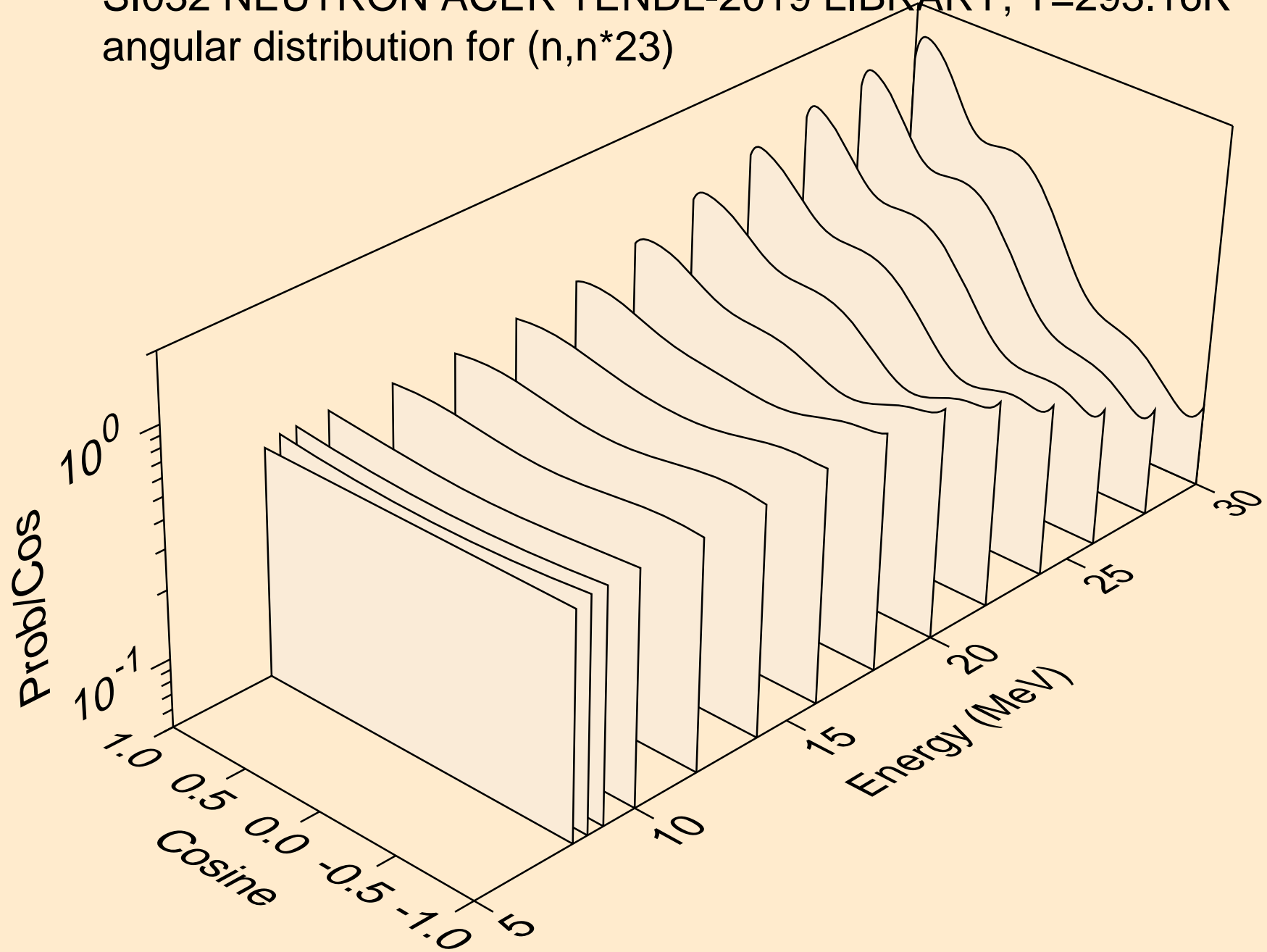
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angular distribution for (n,n\*21)



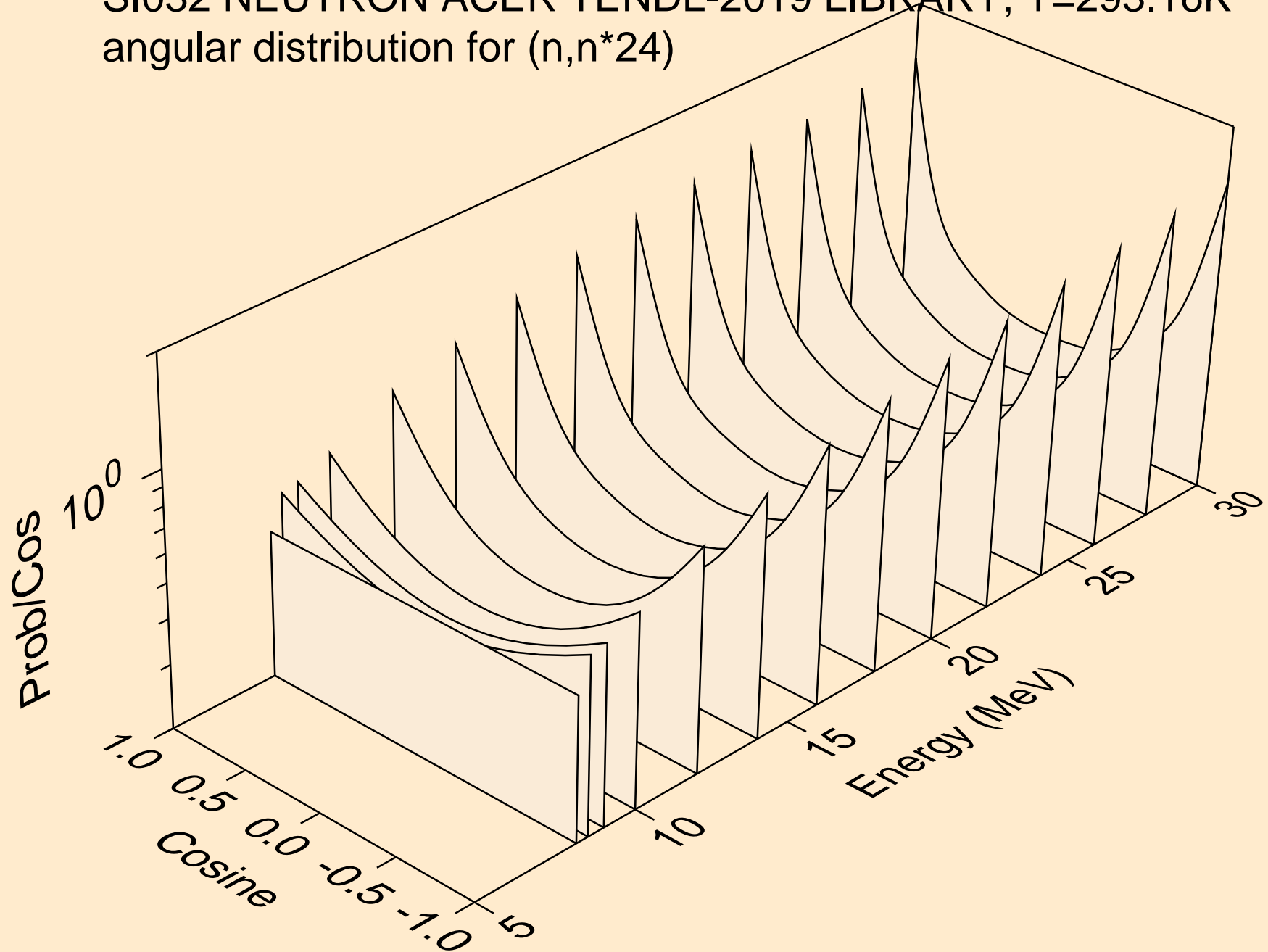
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angular distribution for (n,n\*22)



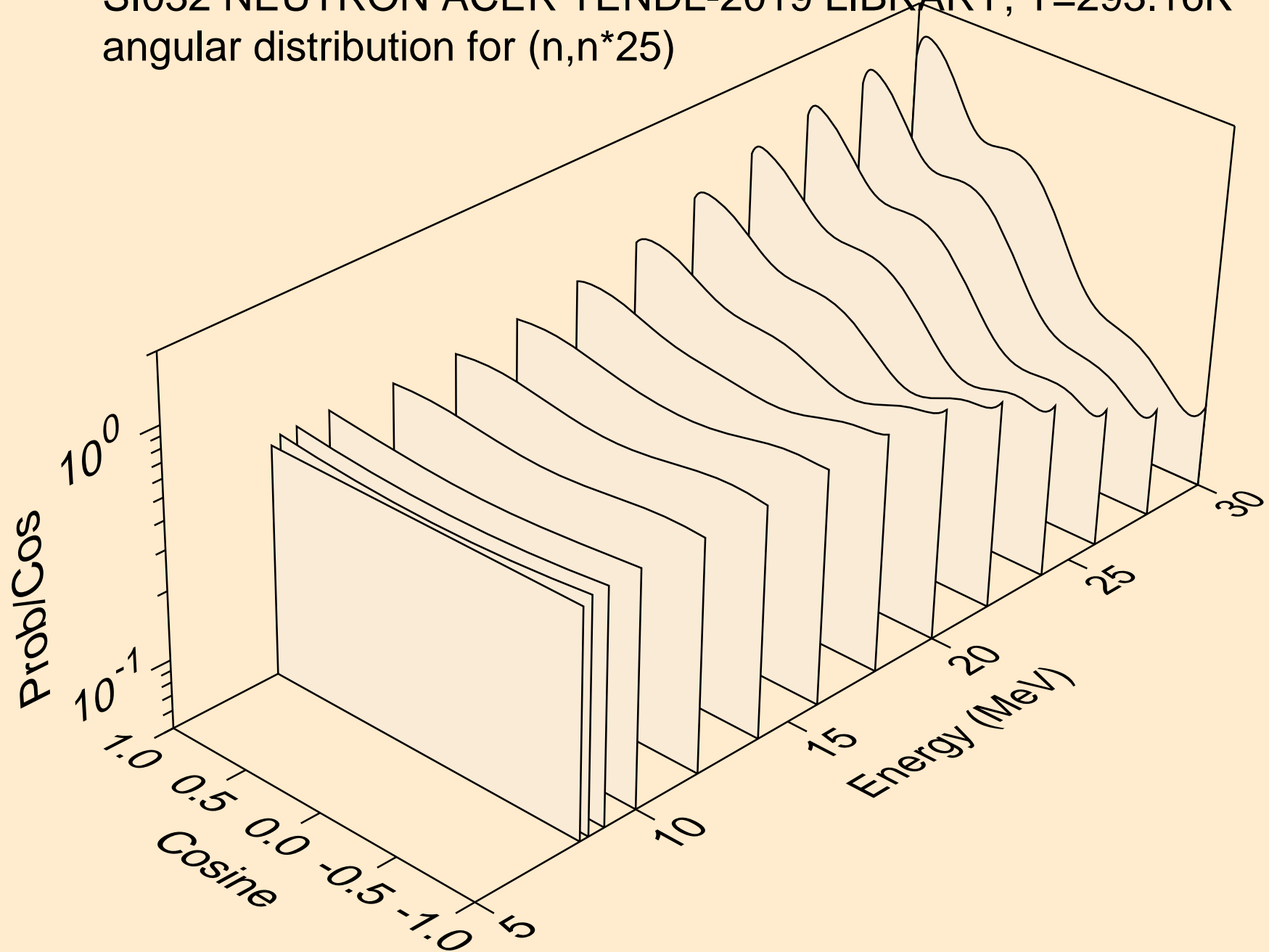
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angular distribution for (n,n\*23)



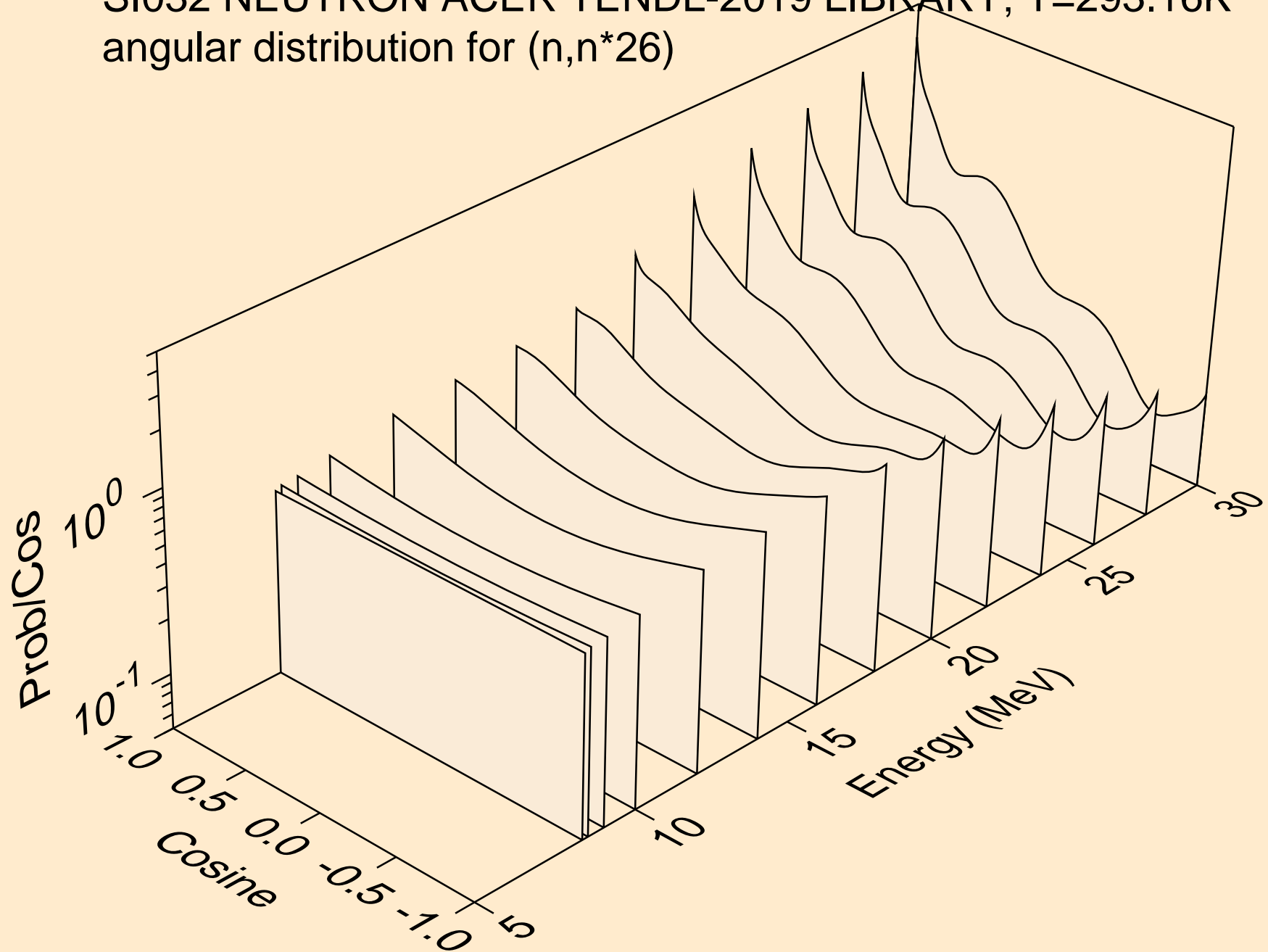
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angular distribution for (n,n\*24)



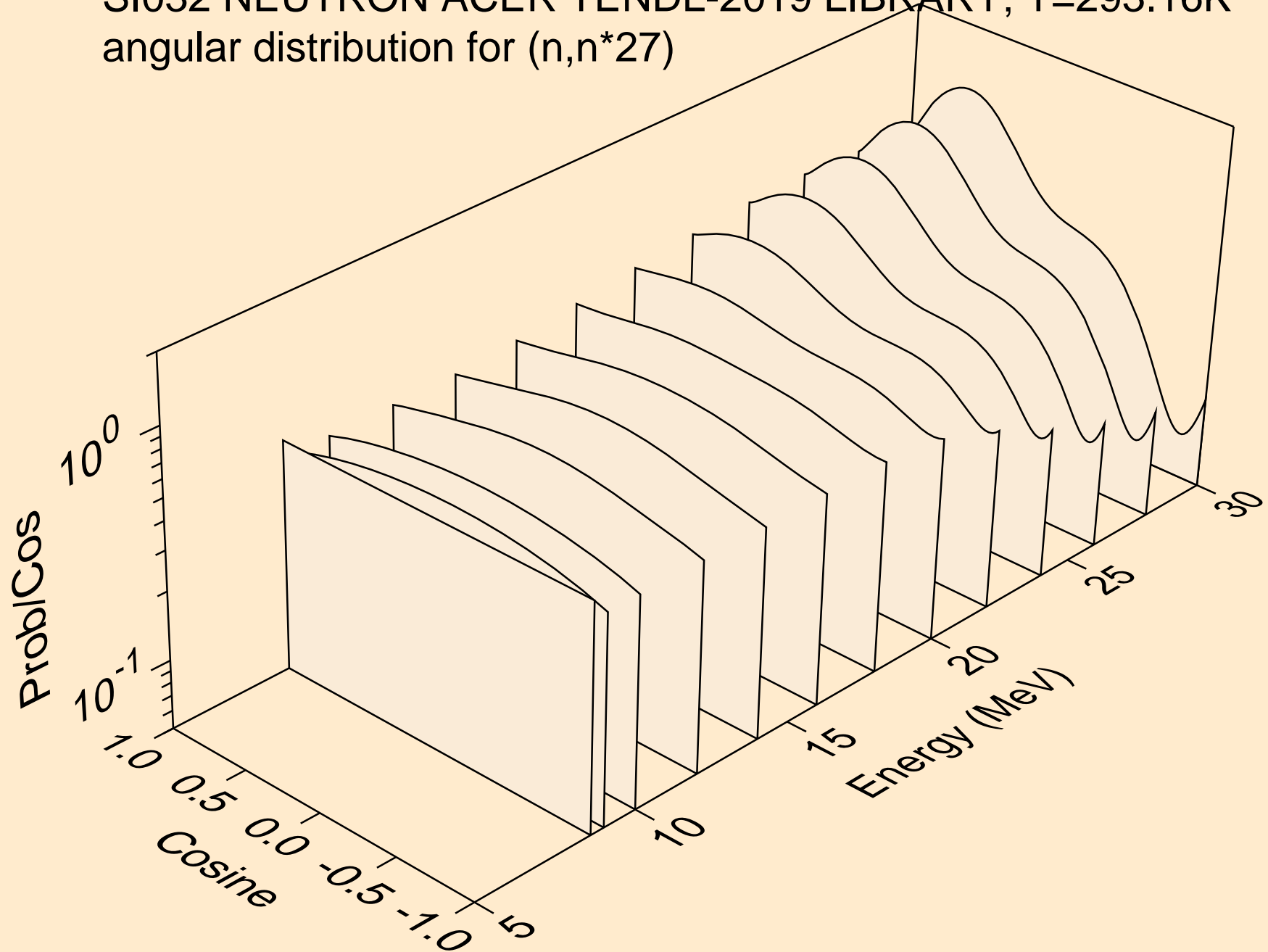
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angular distribution for (n,n\*25)



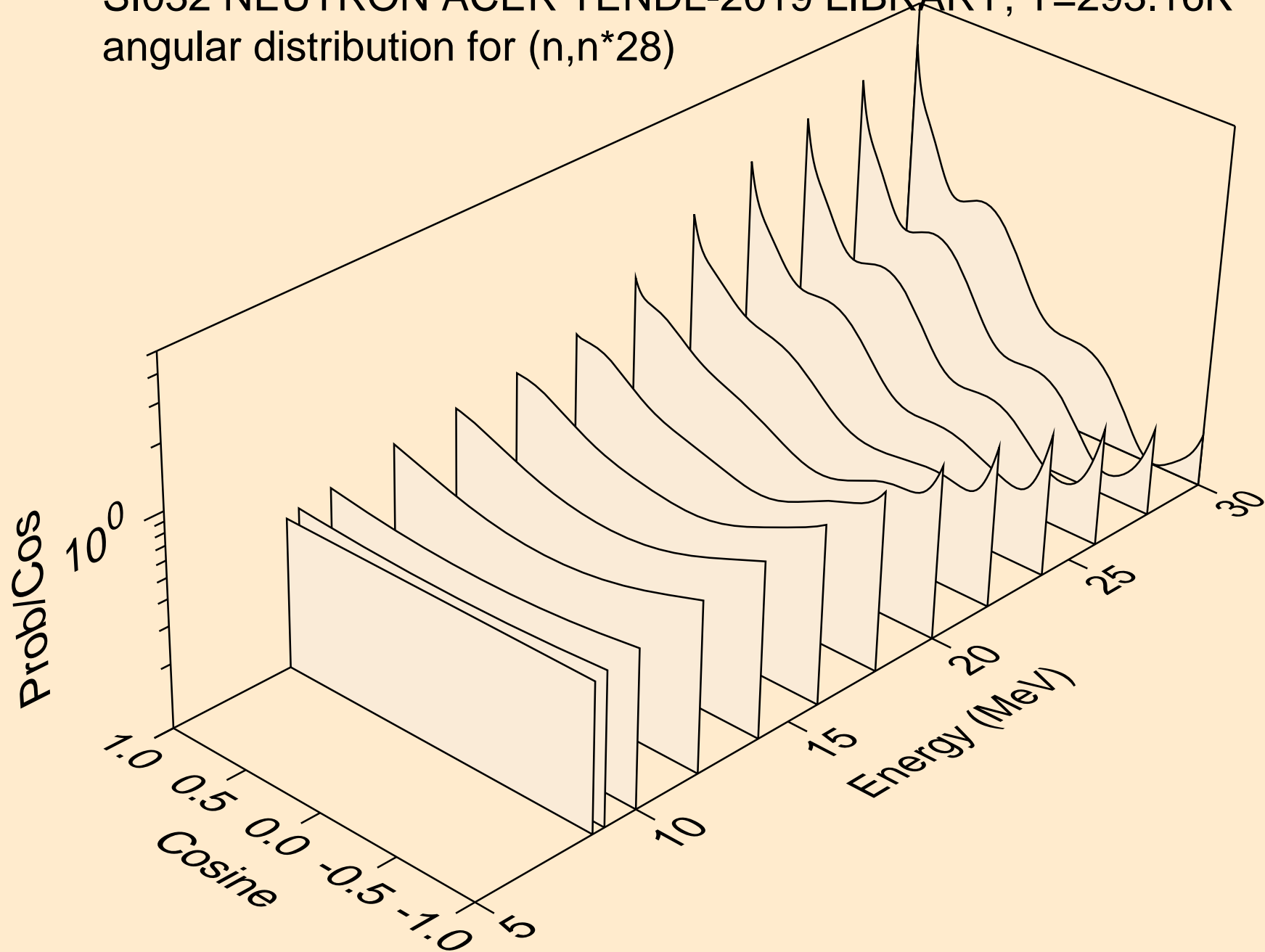
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

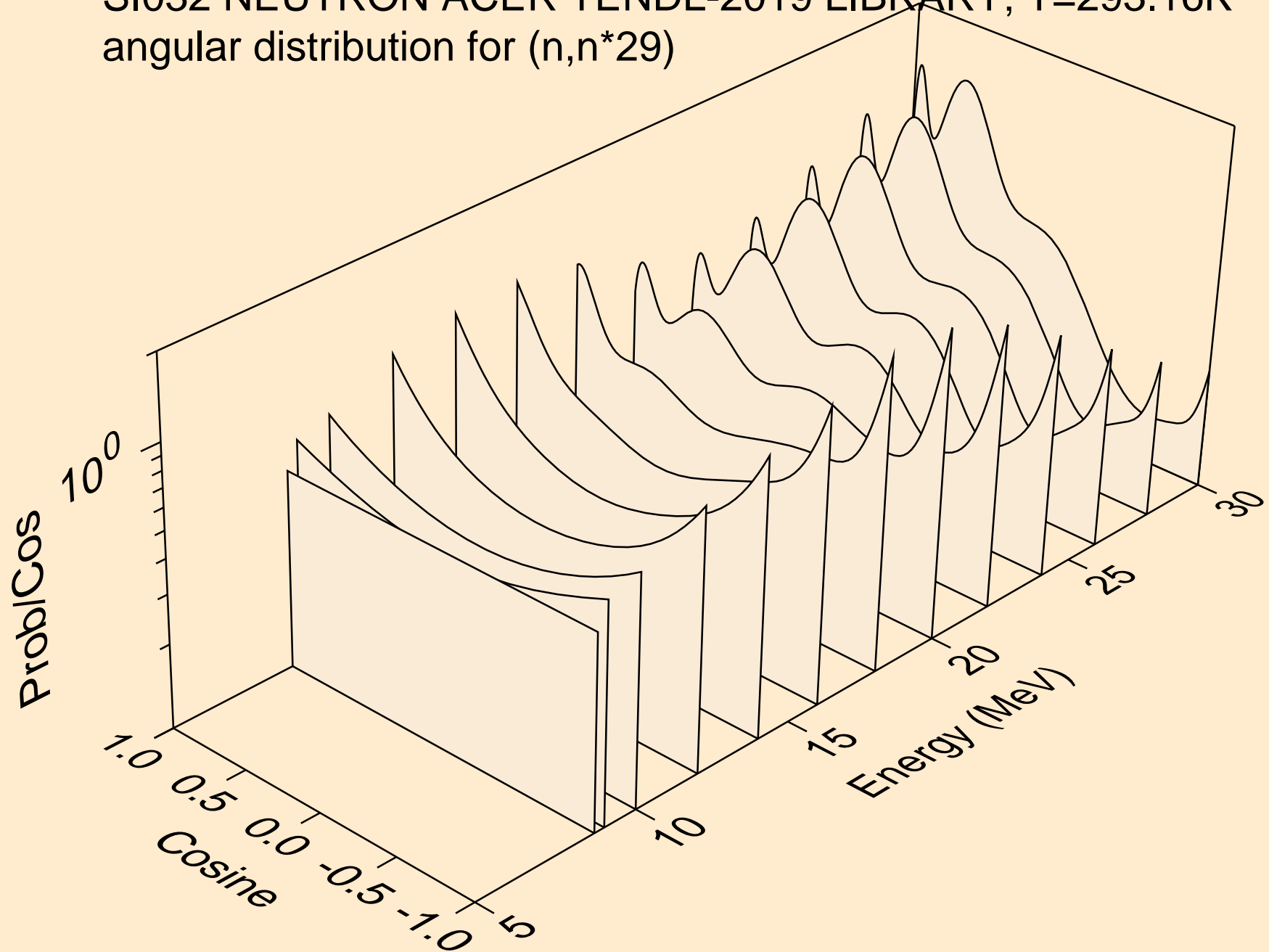


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

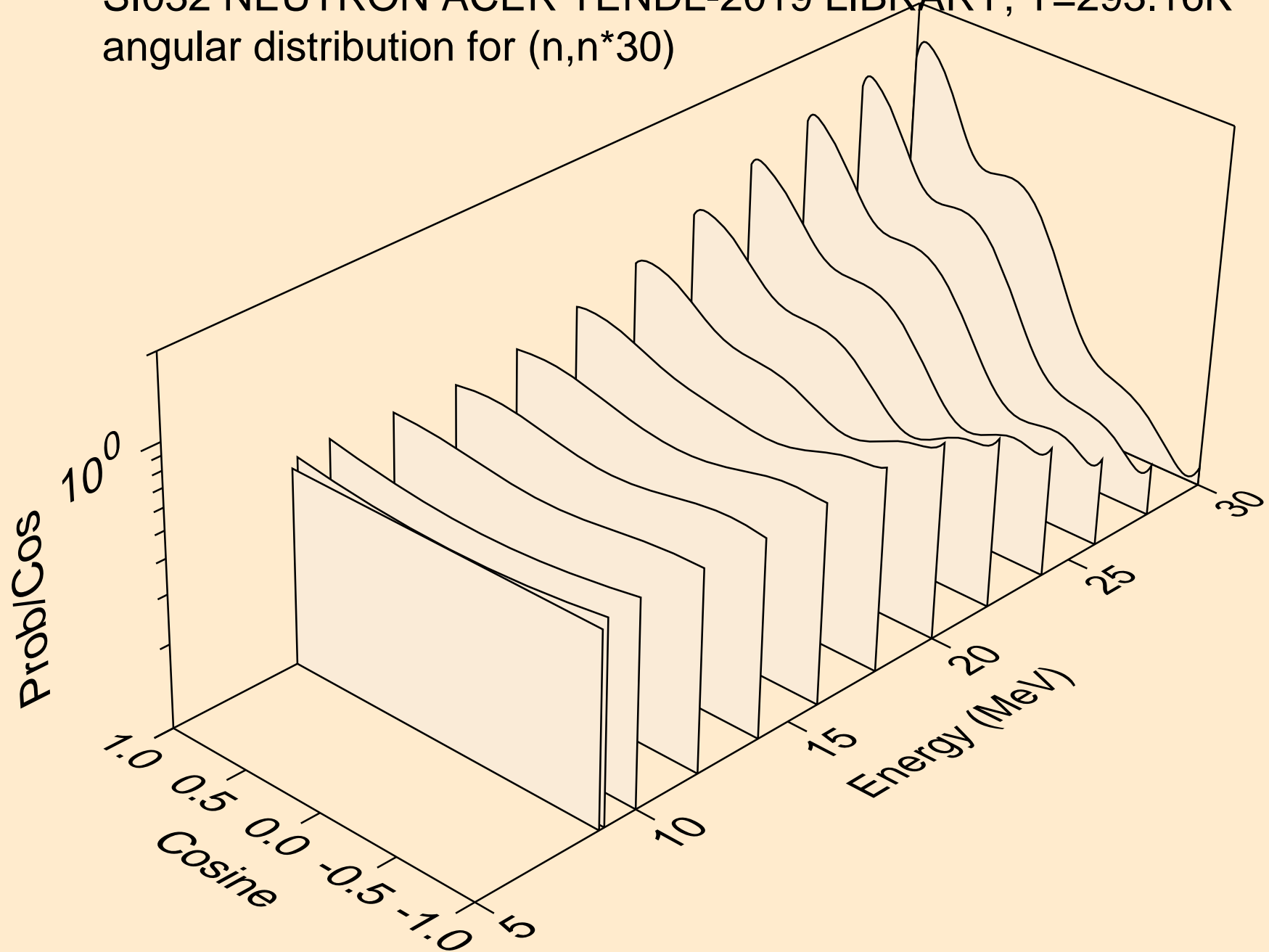




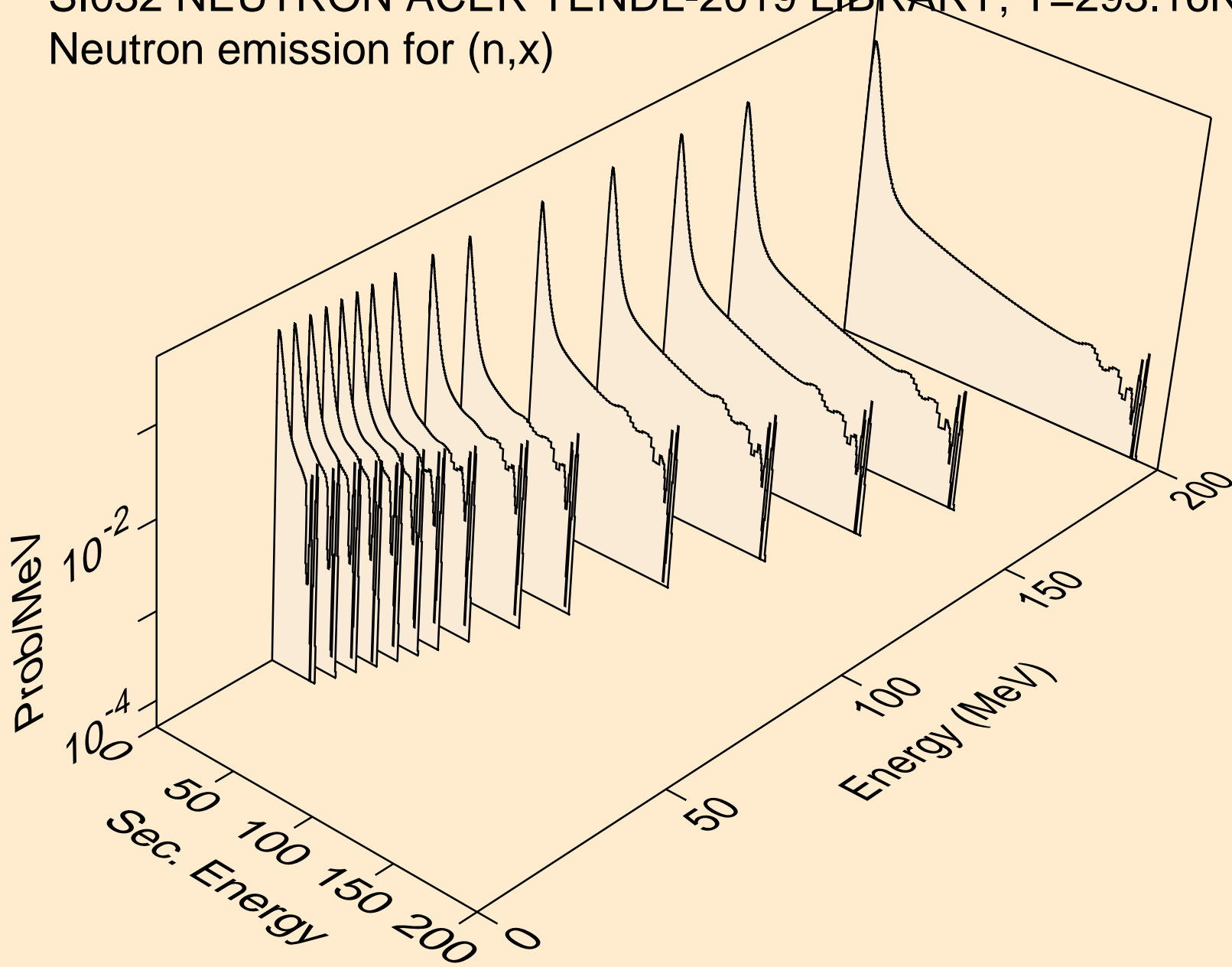
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angular distribution for (n,n\*29)



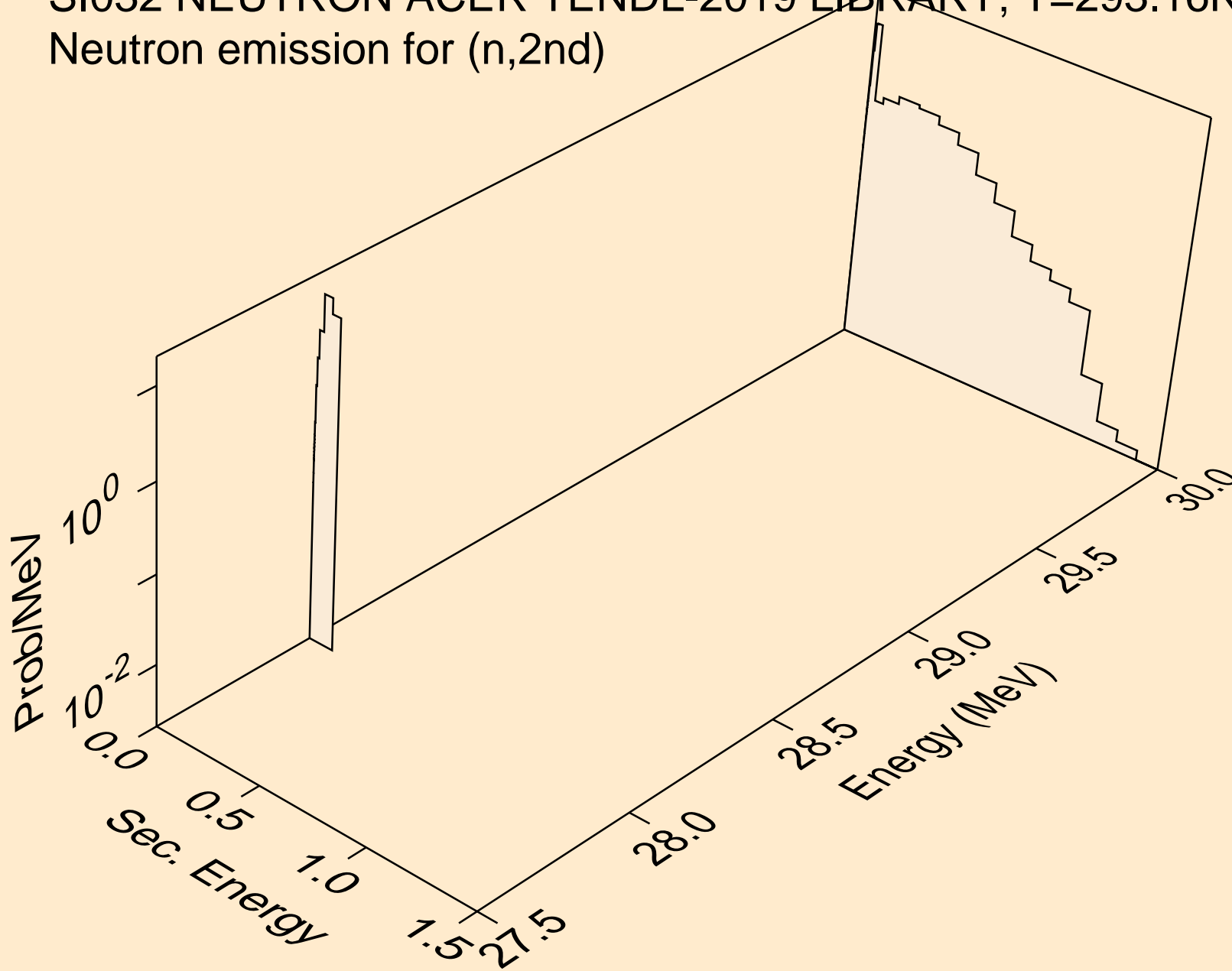
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angular distribution for (n,n\*30)



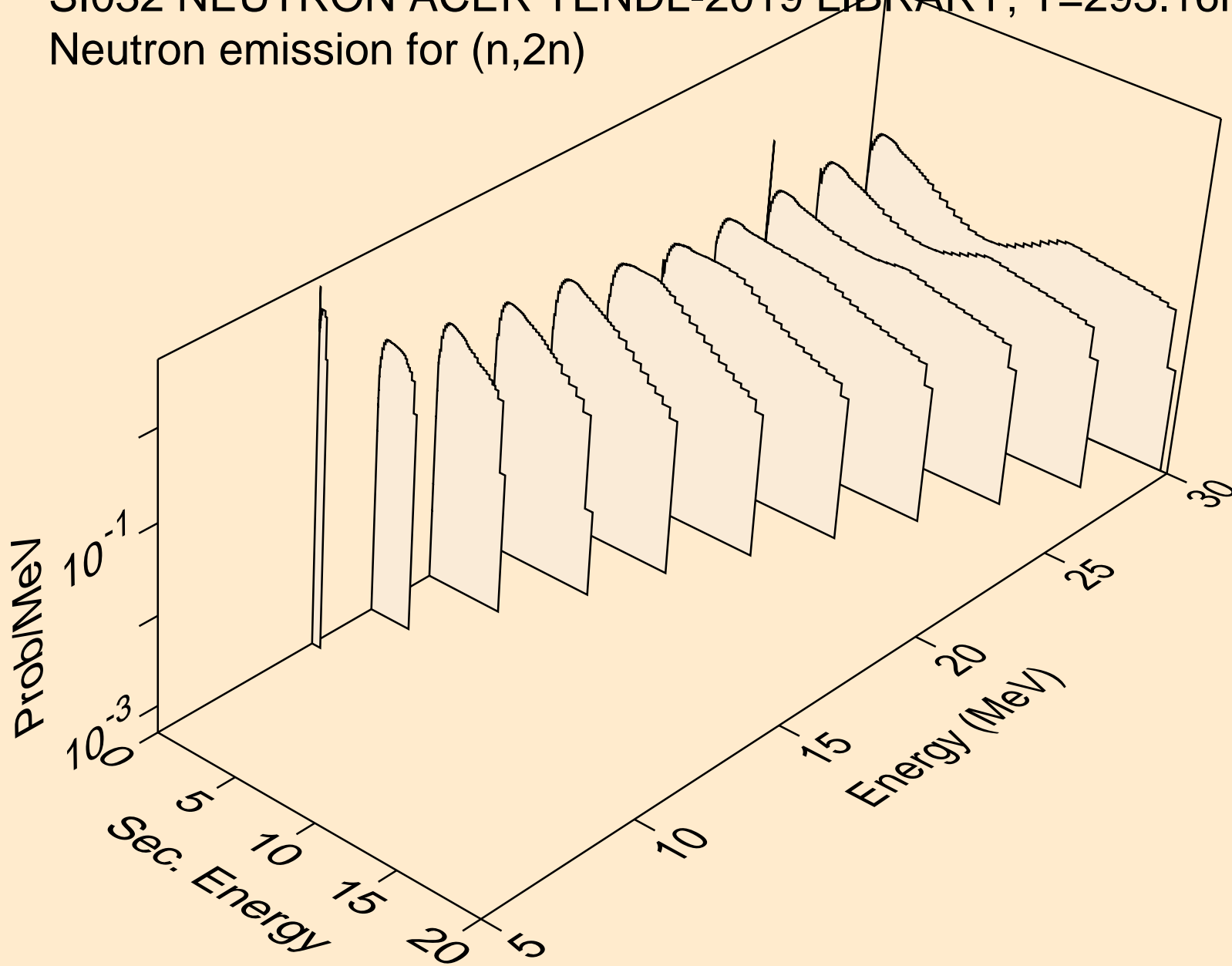
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



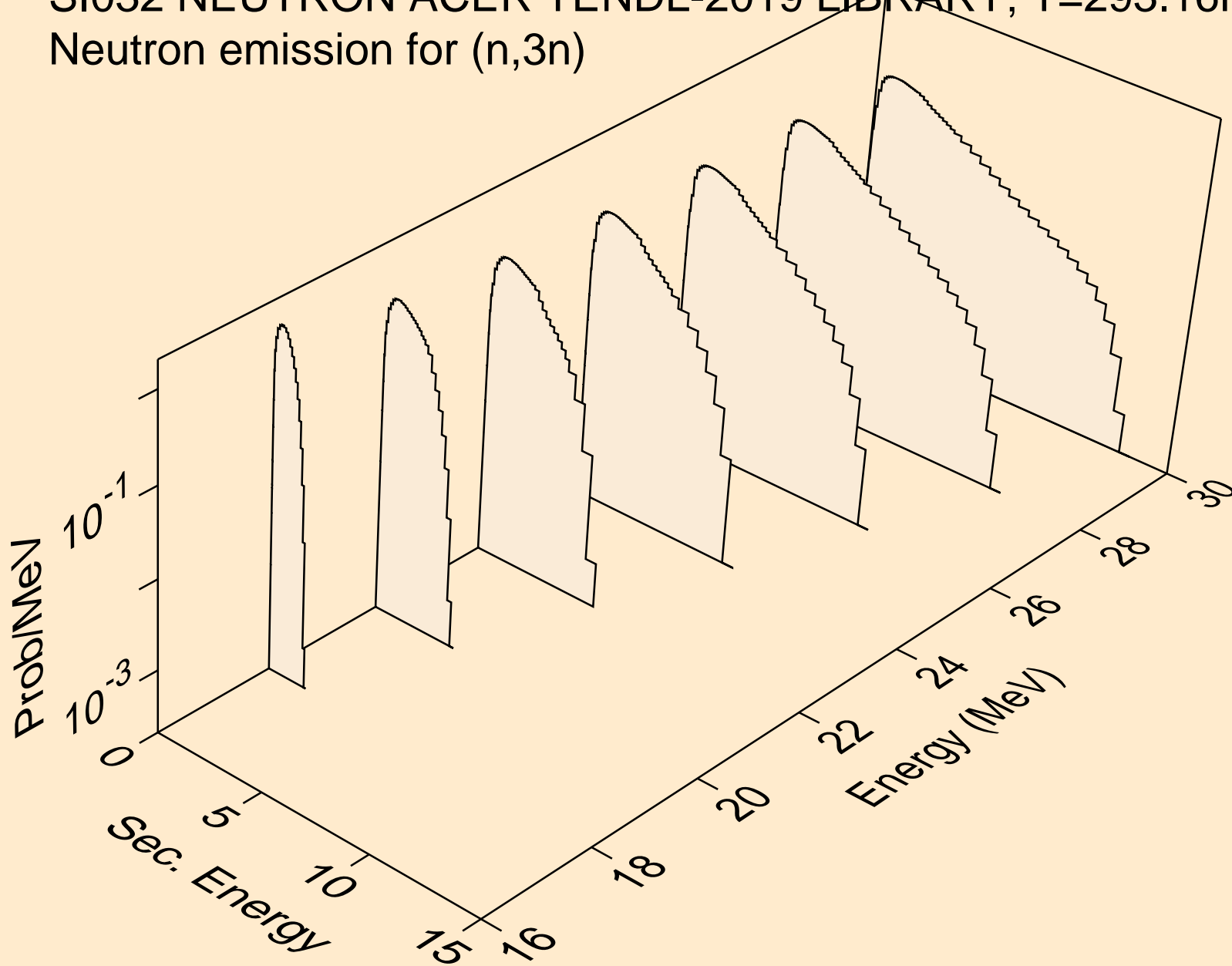
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



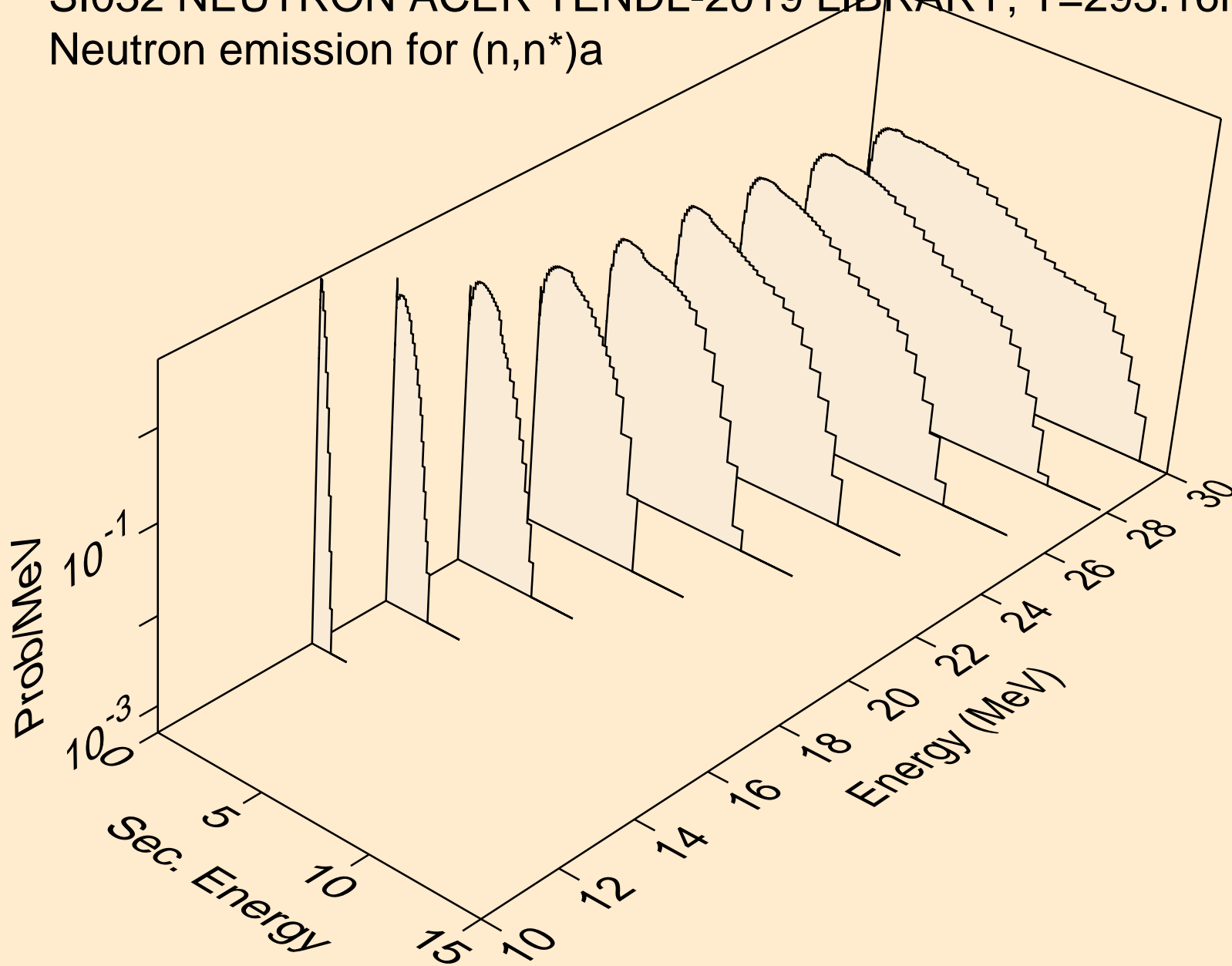
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



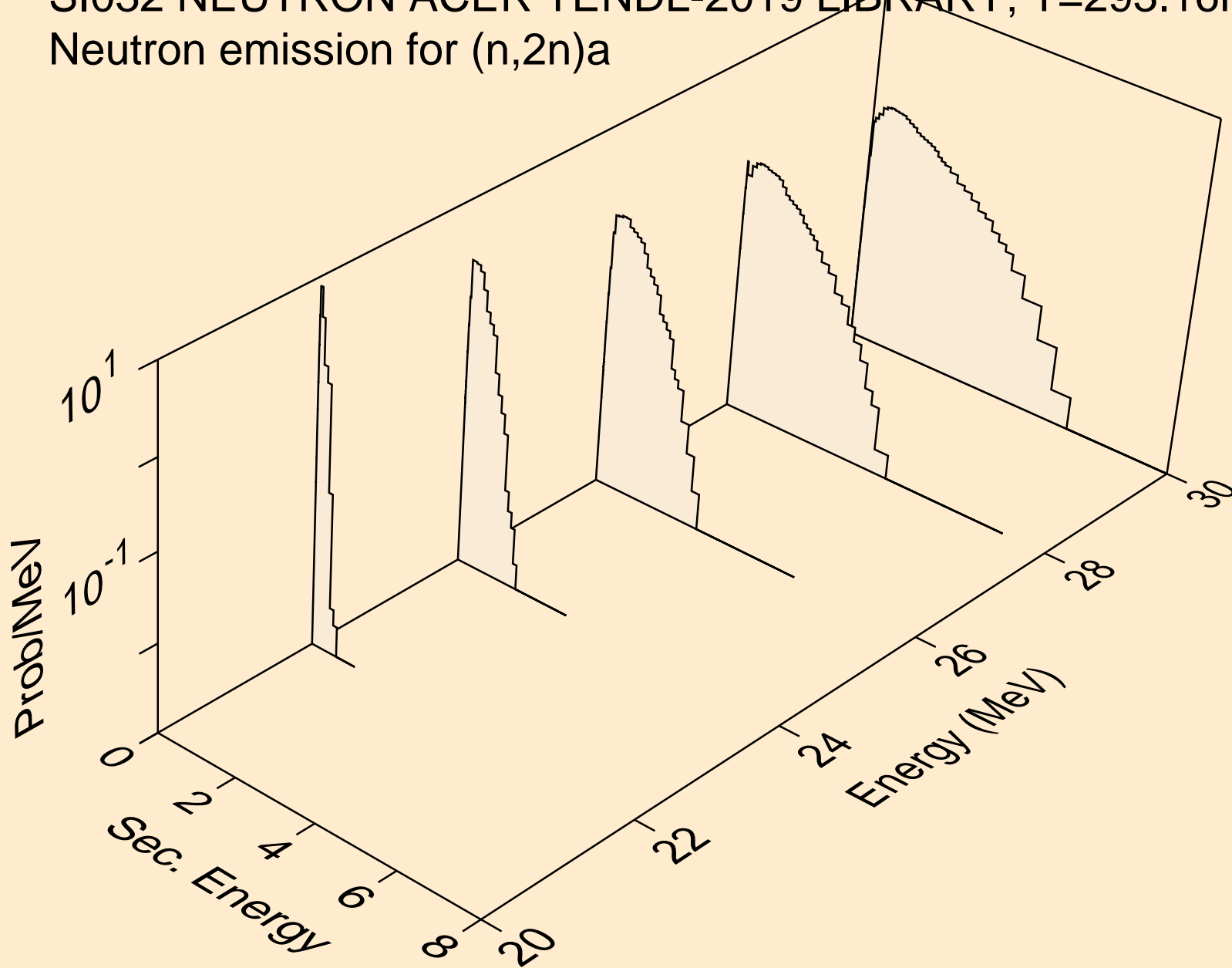
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

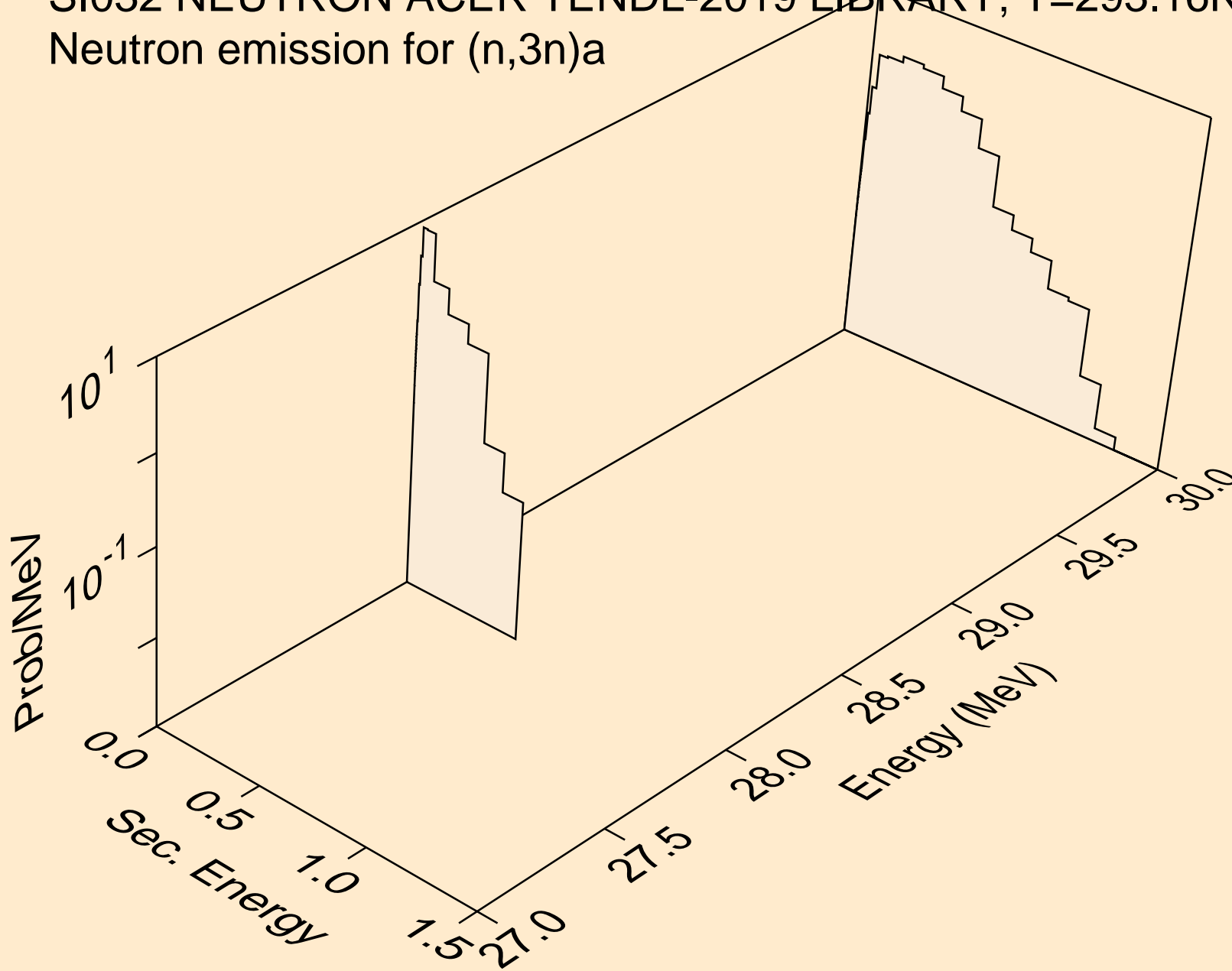


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

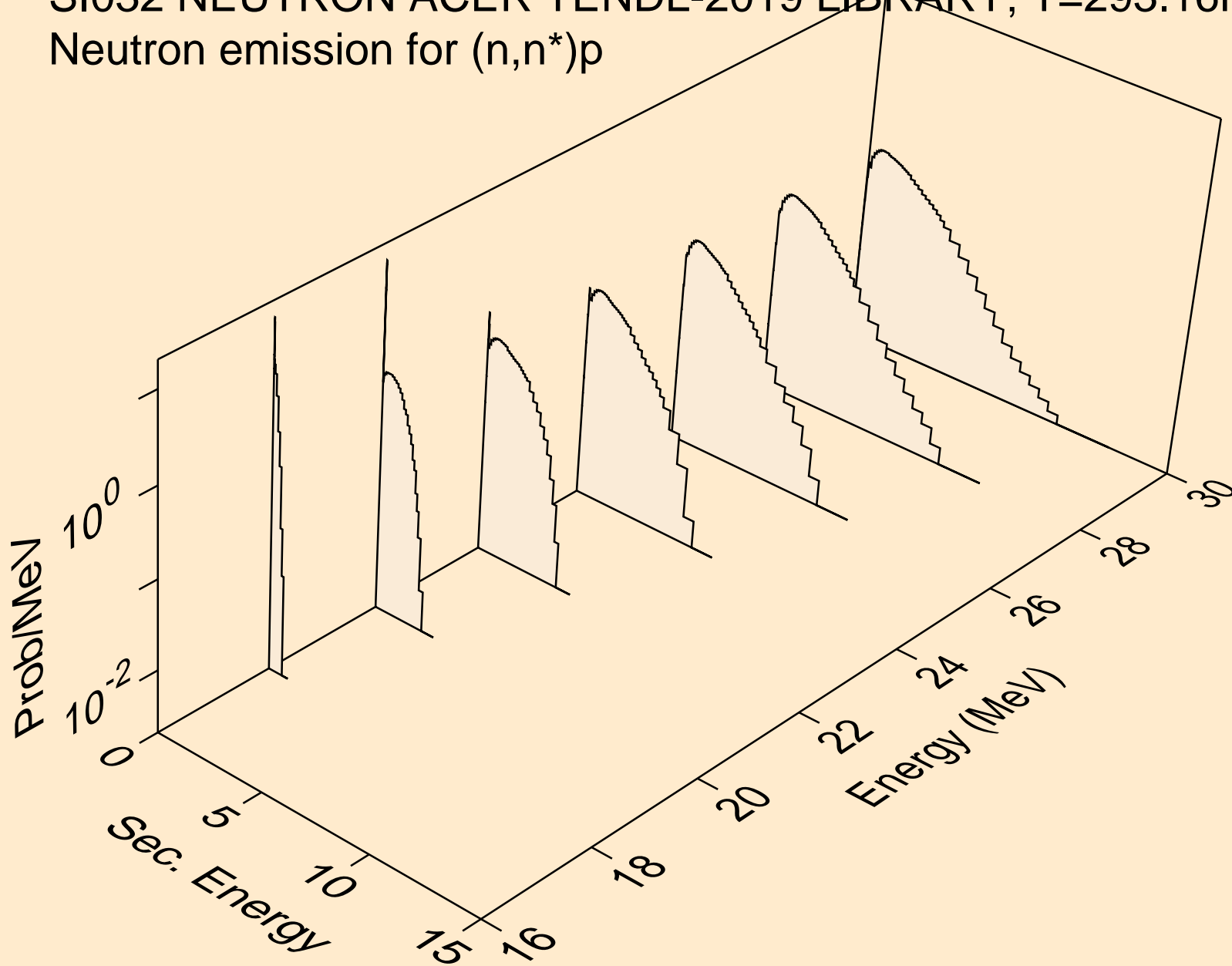




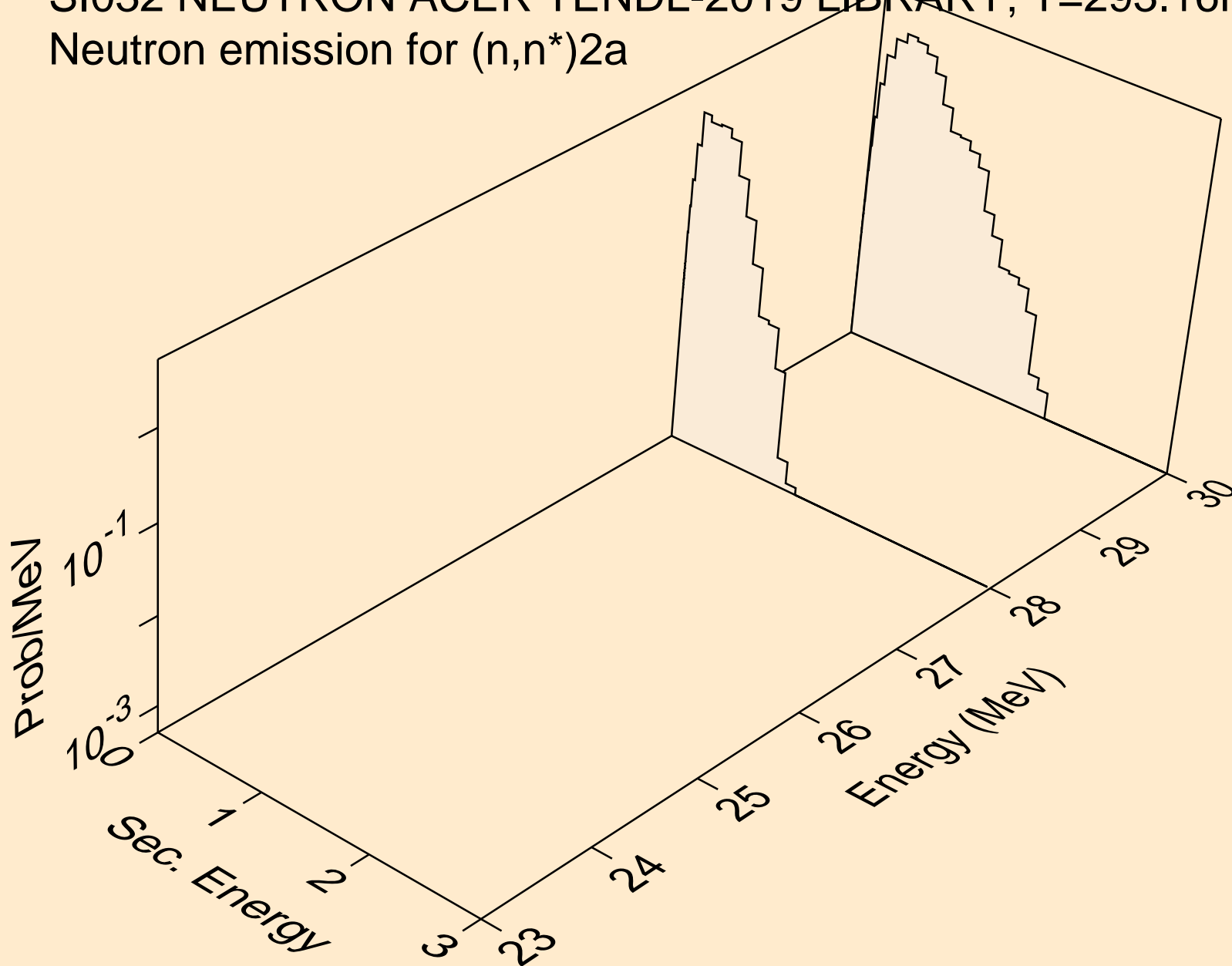
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



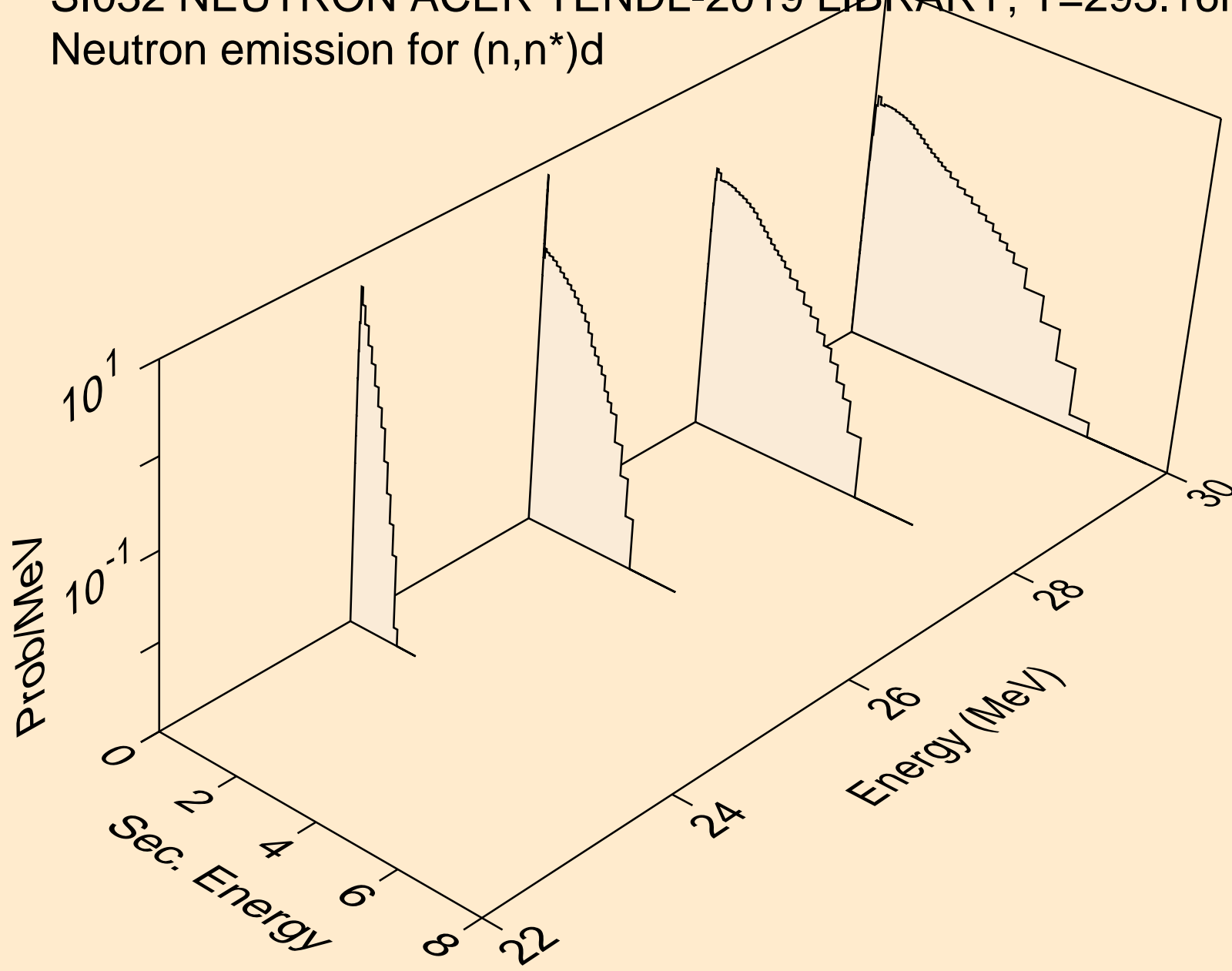
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



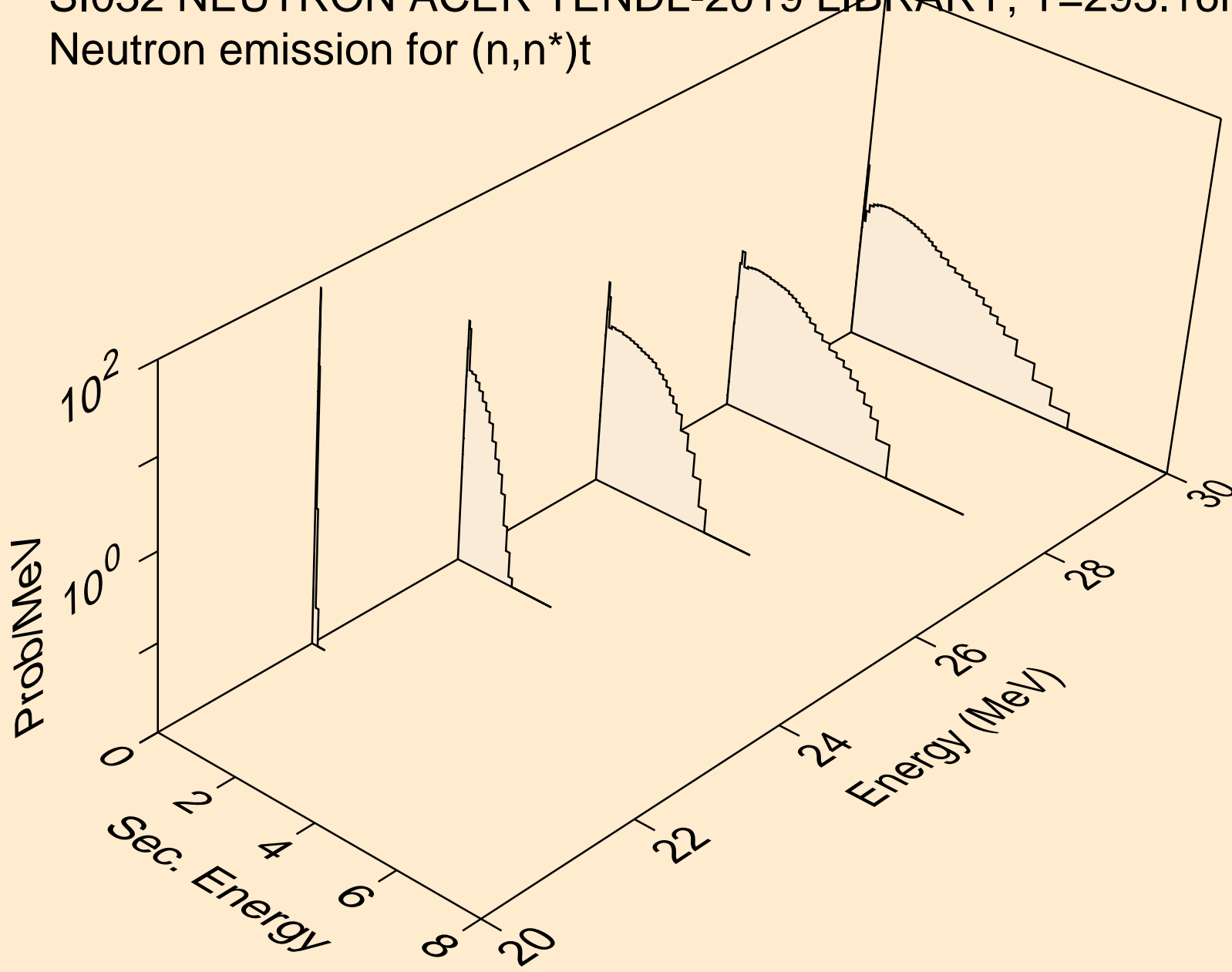
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



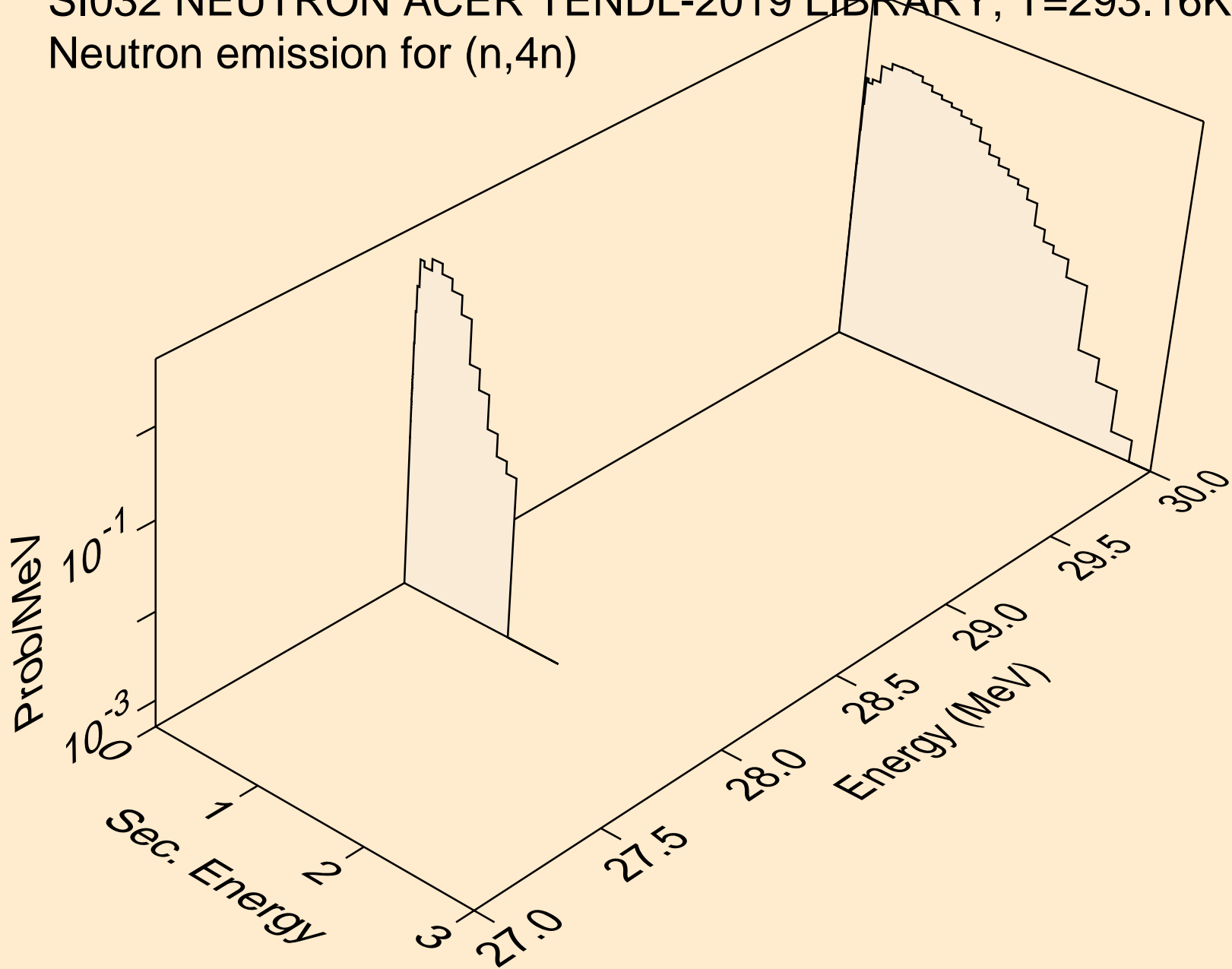
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



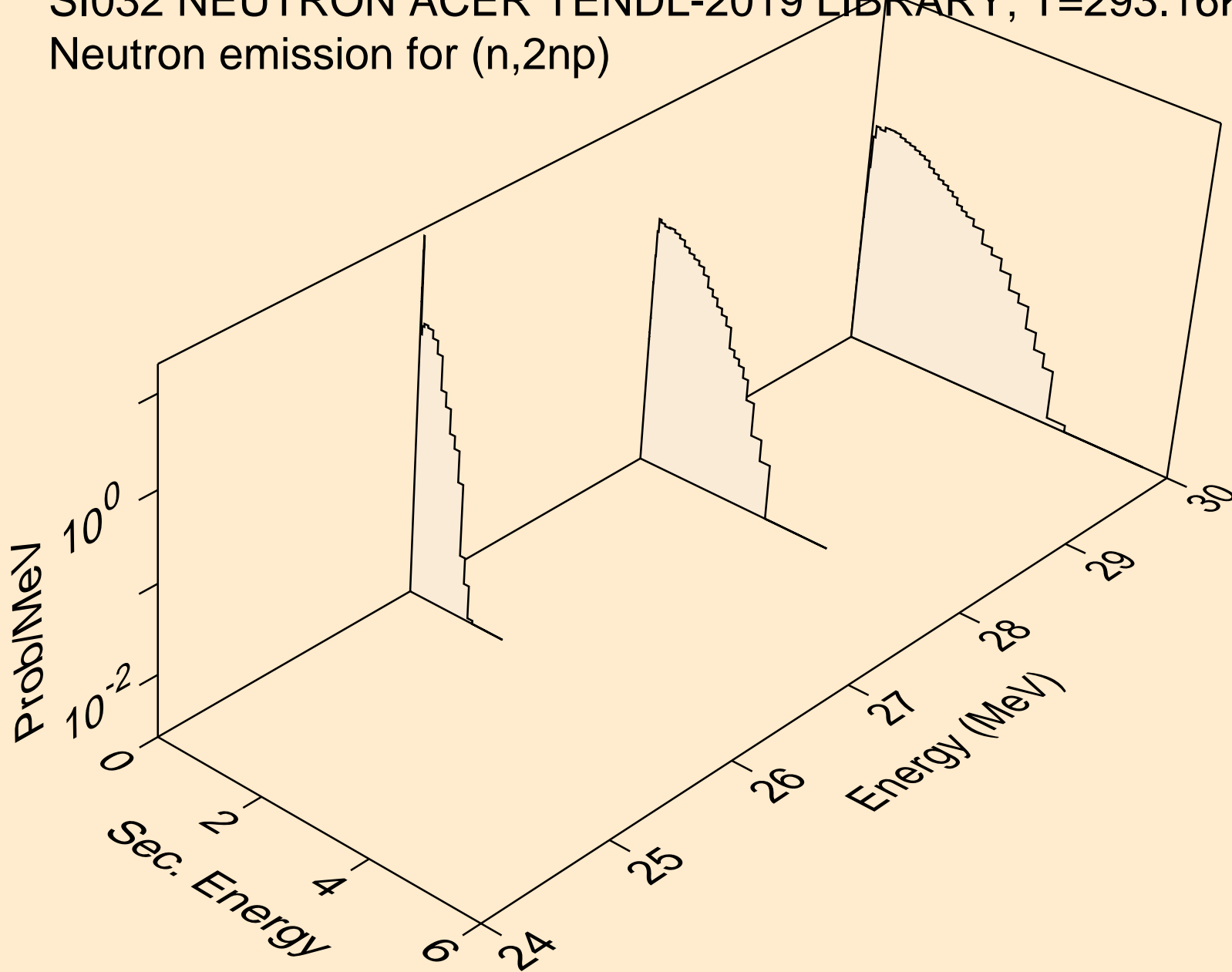
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



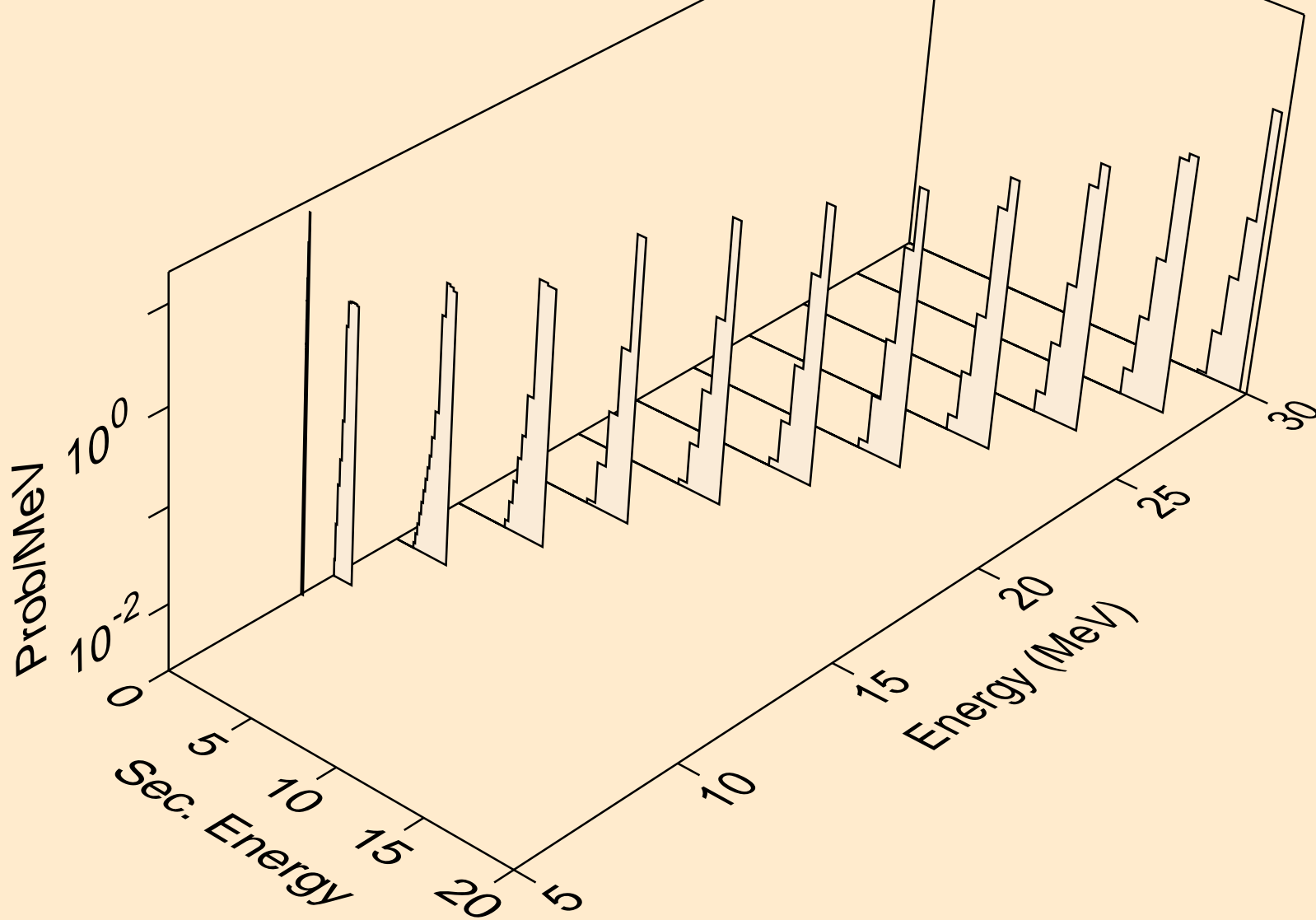
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

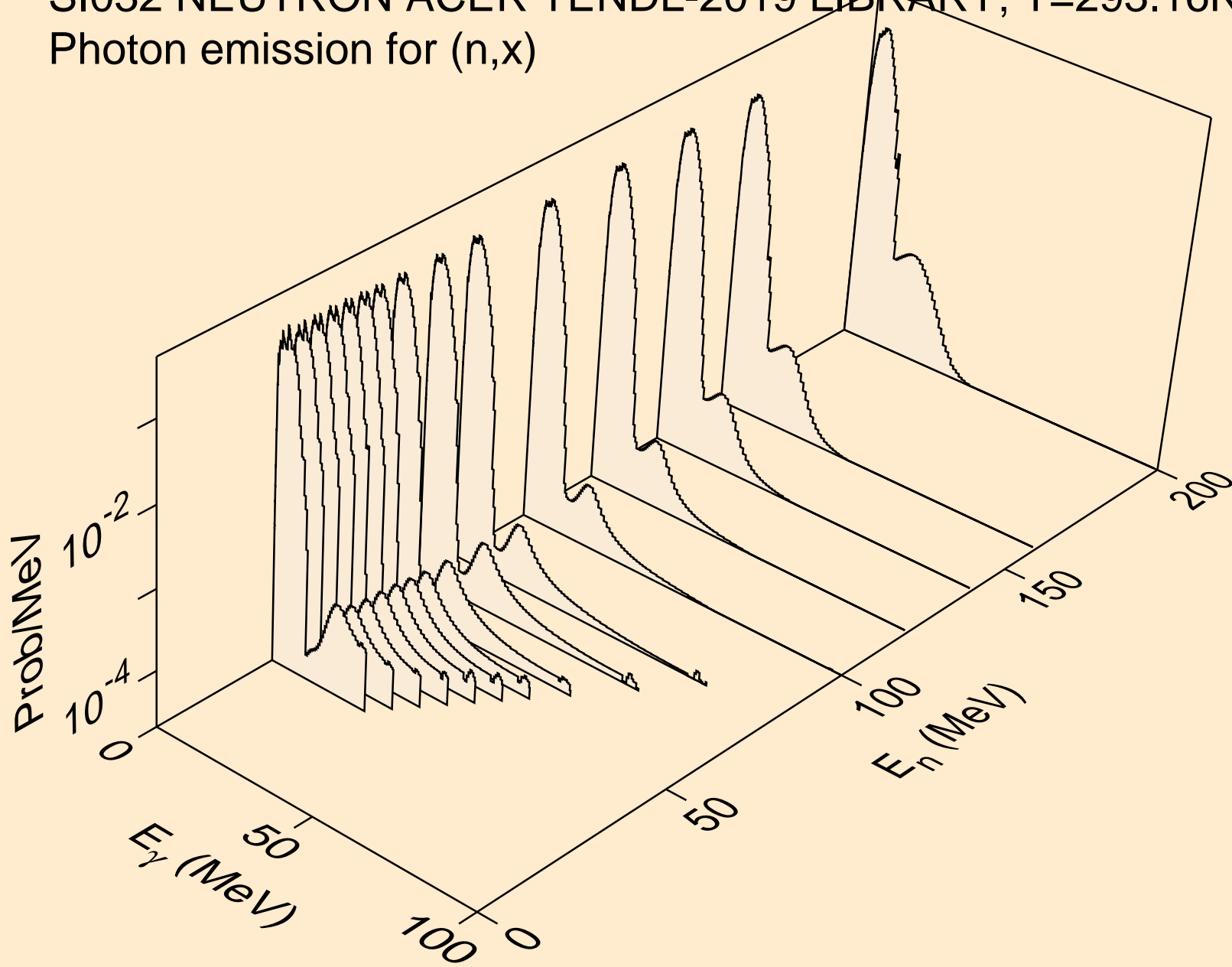


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

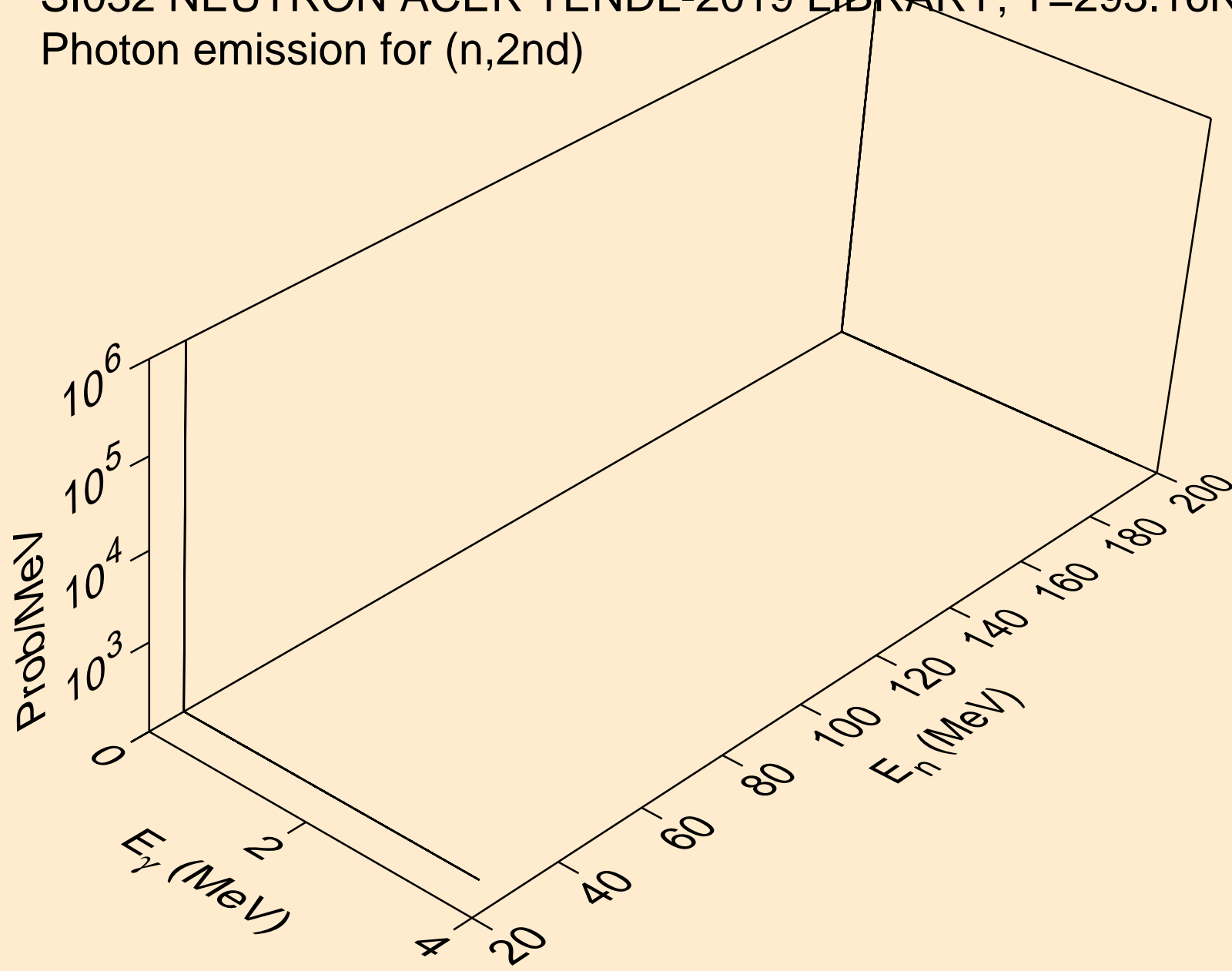




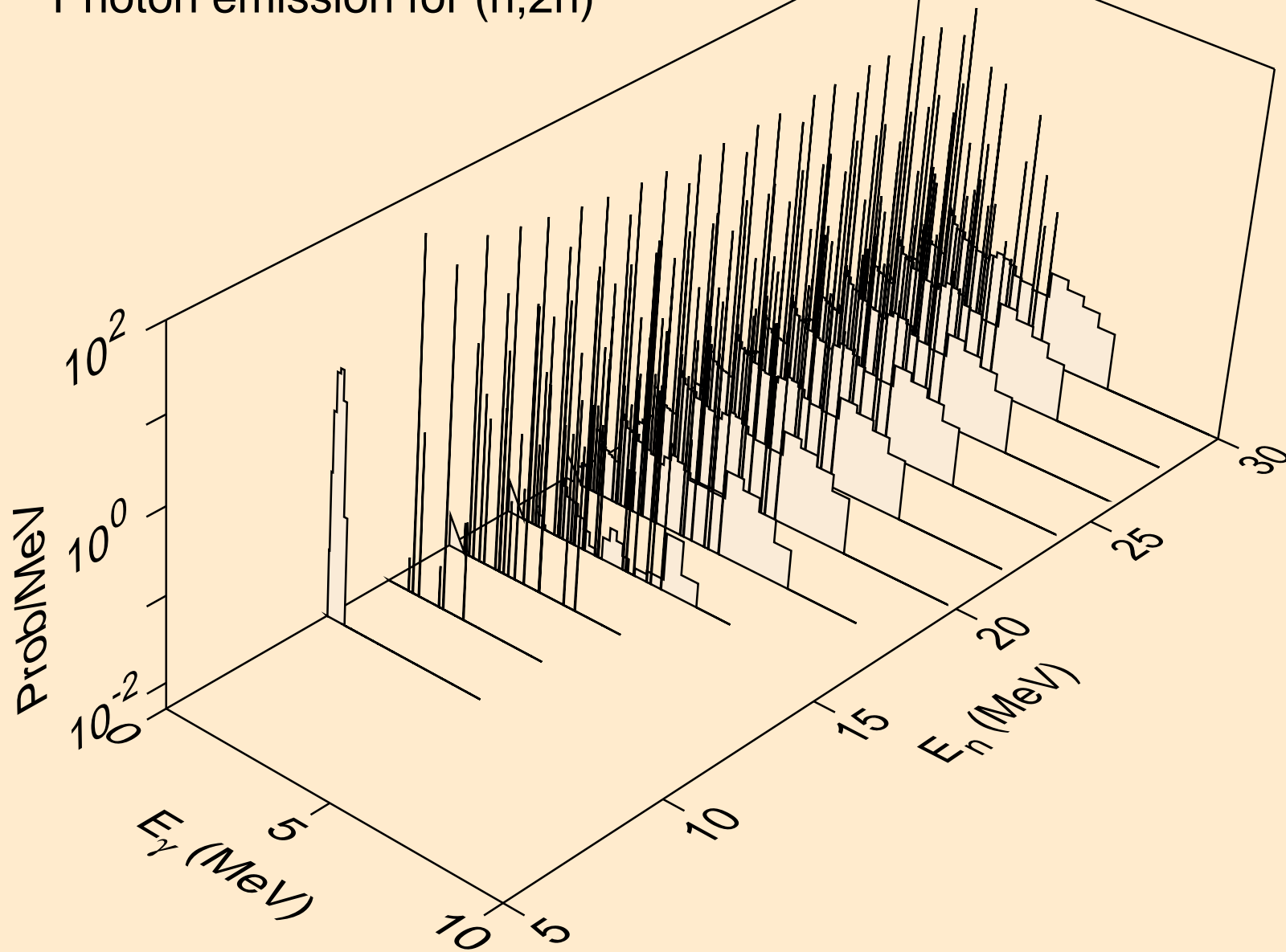
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



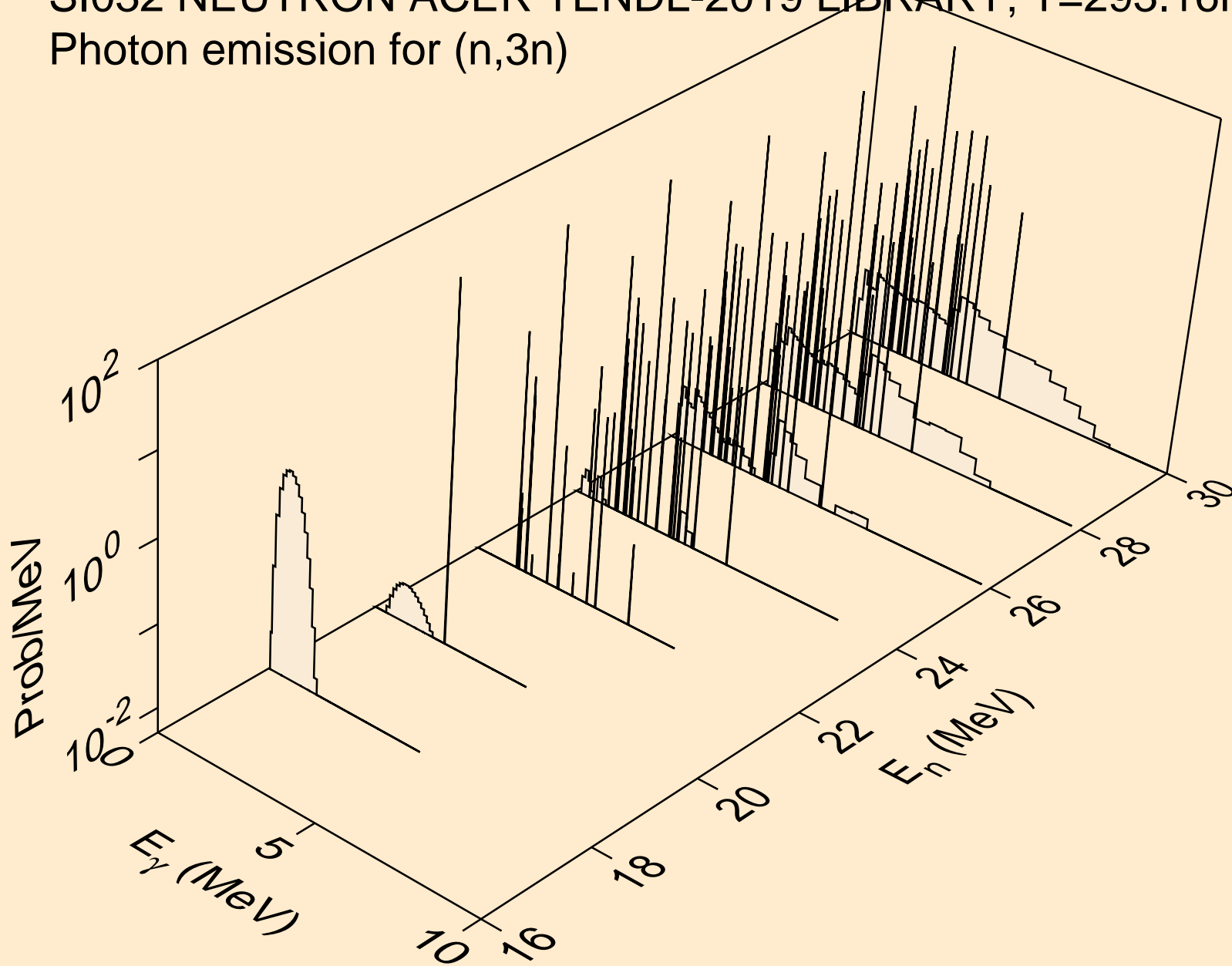
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



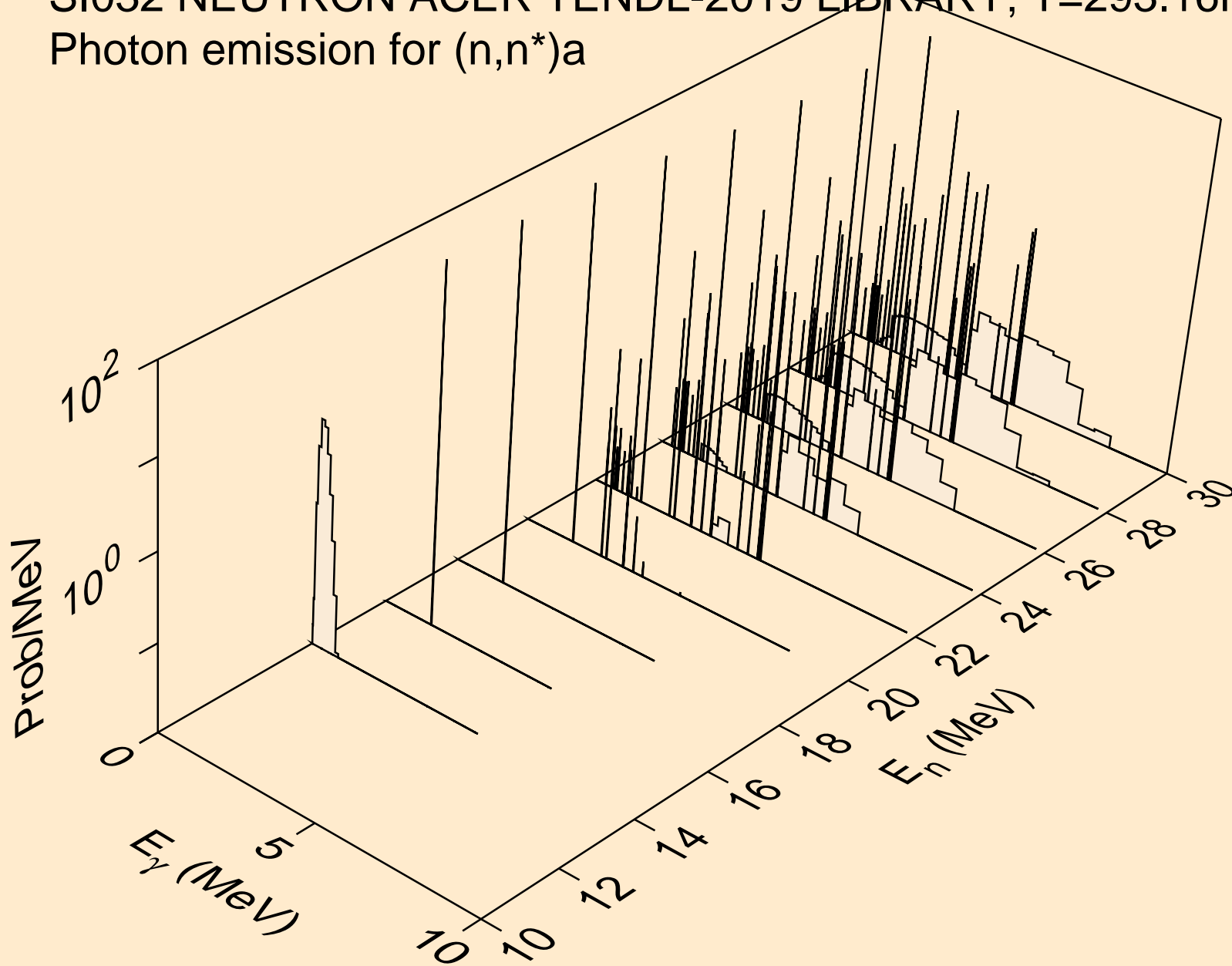
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Photon emission for (n,2n)



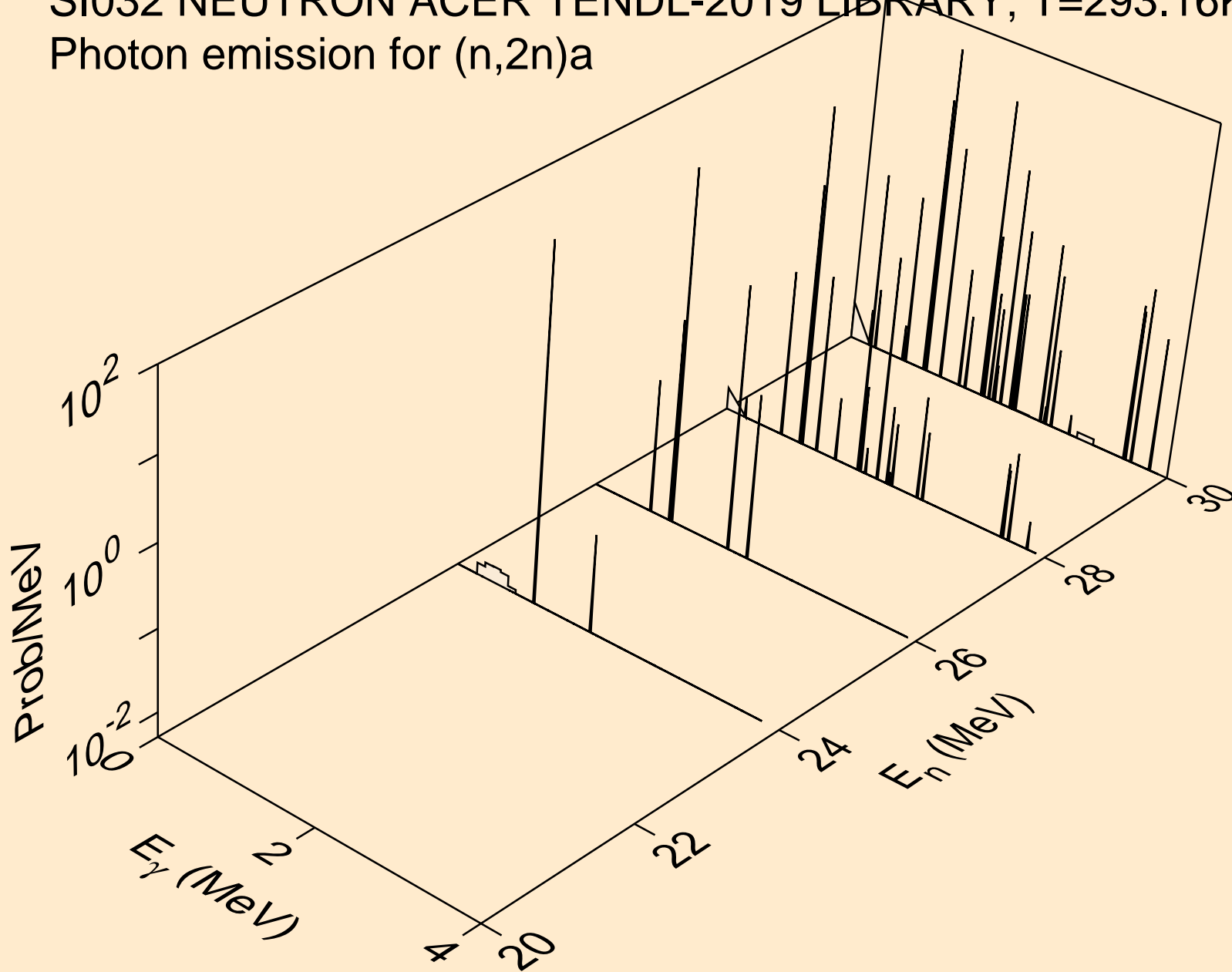
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Photon emission for (n,3n)



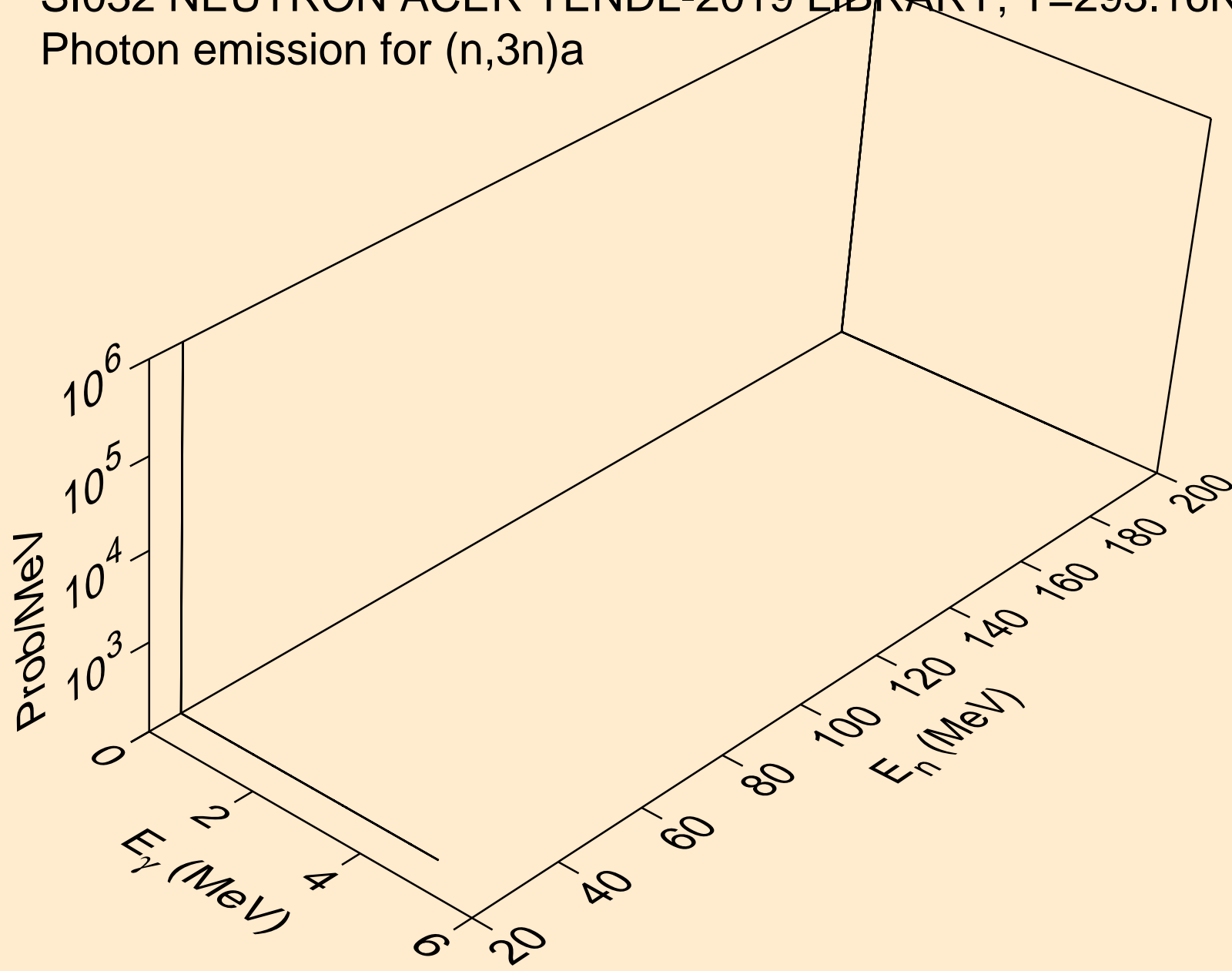
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Photon emission for (n,n\*)a



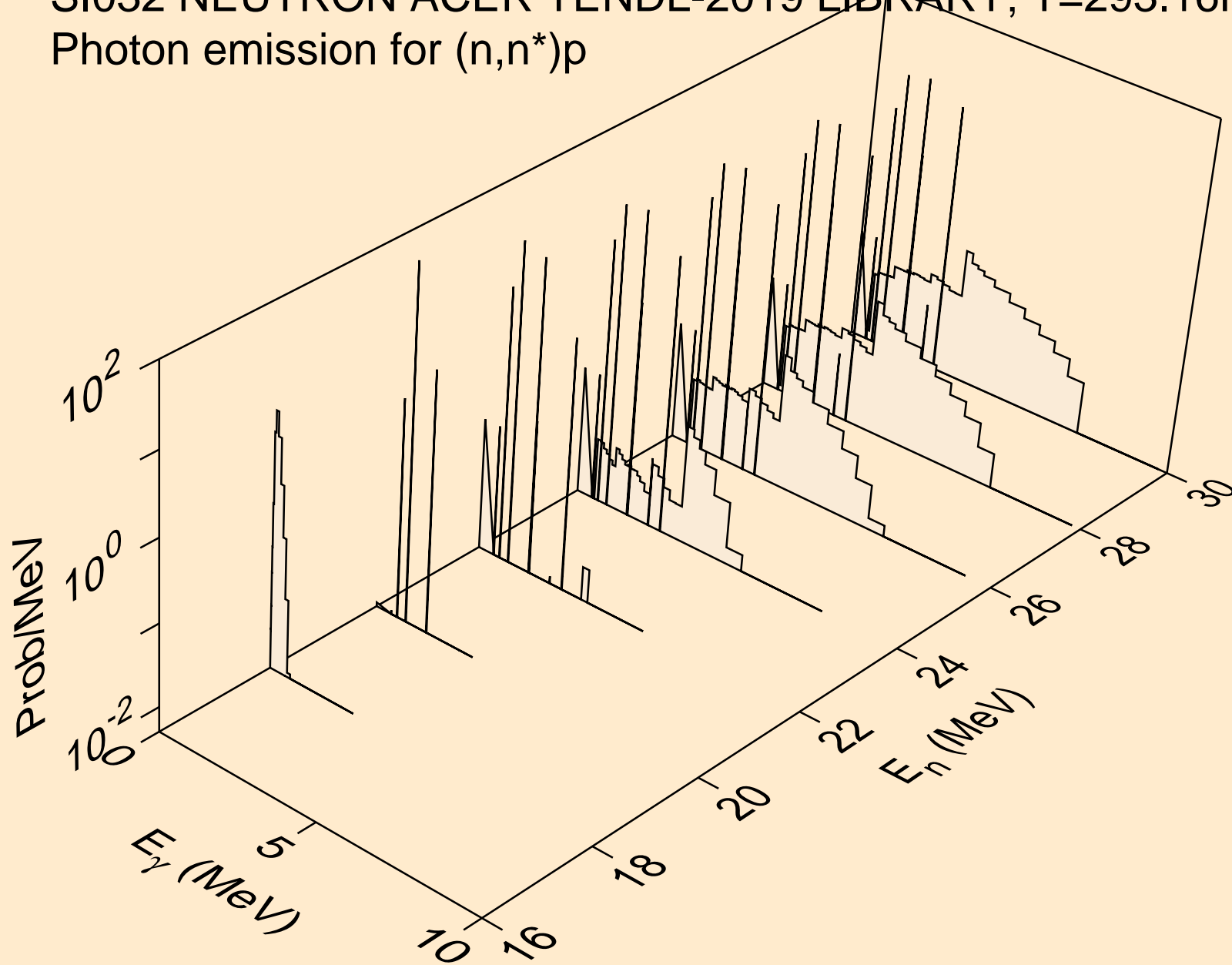
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

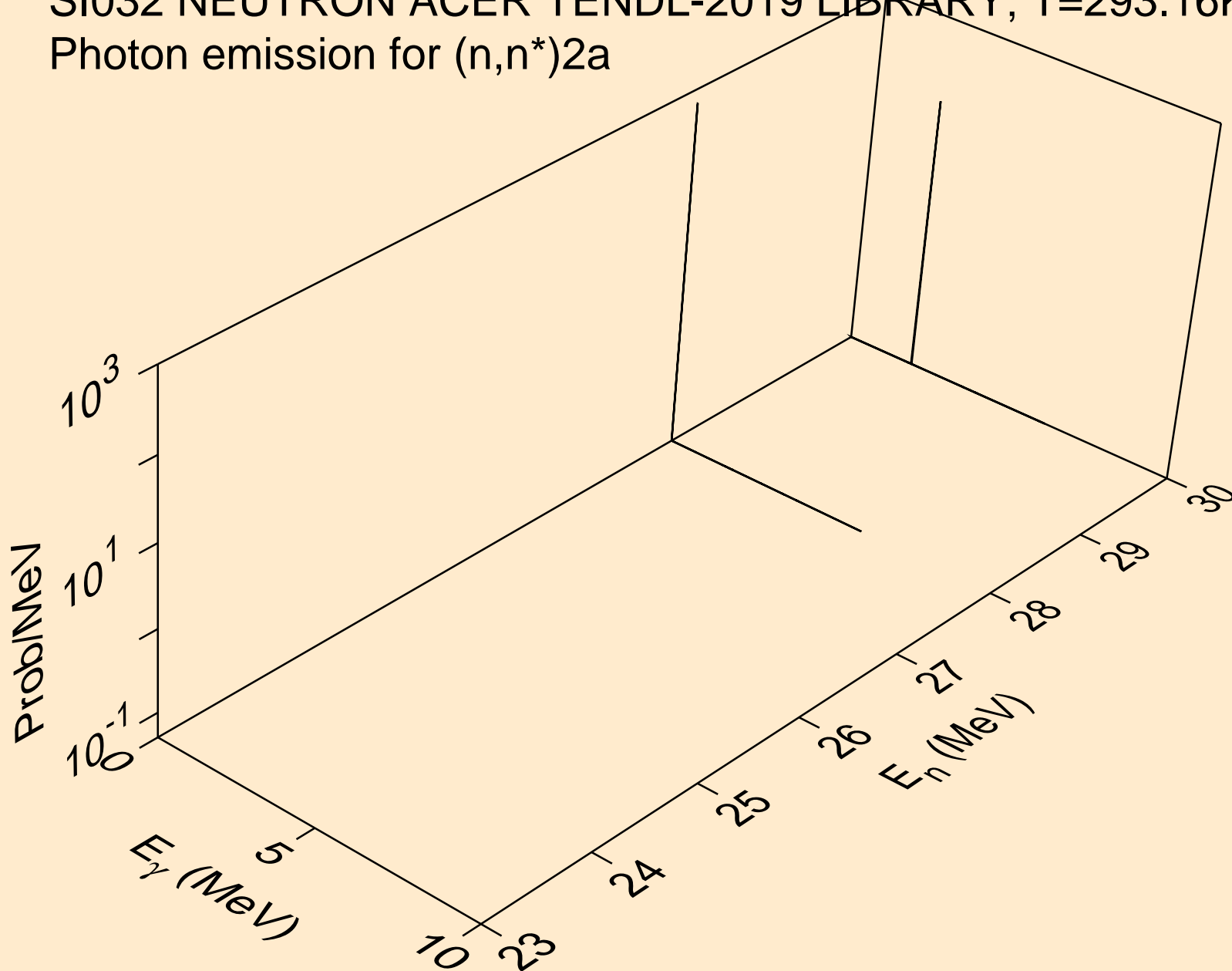


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

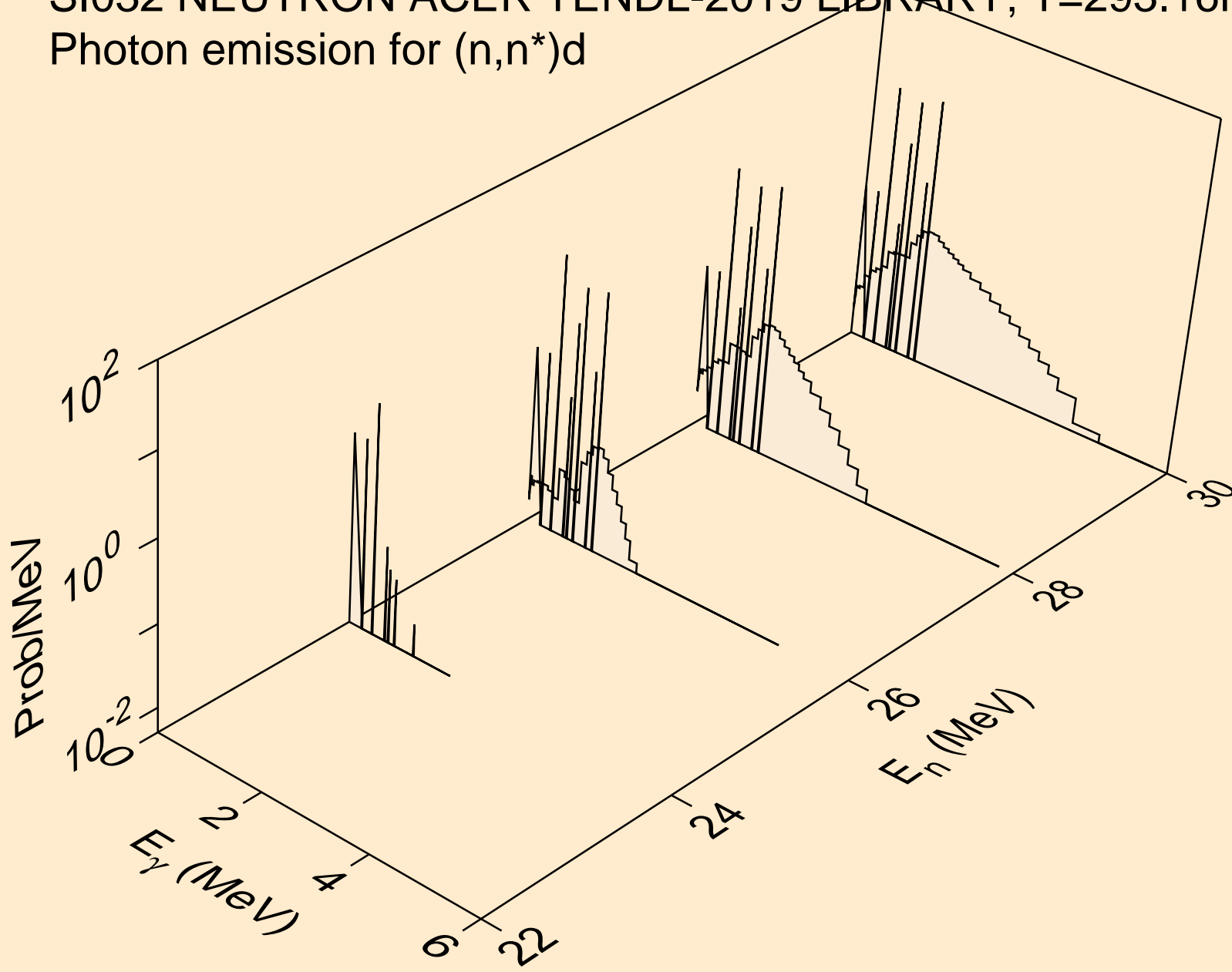




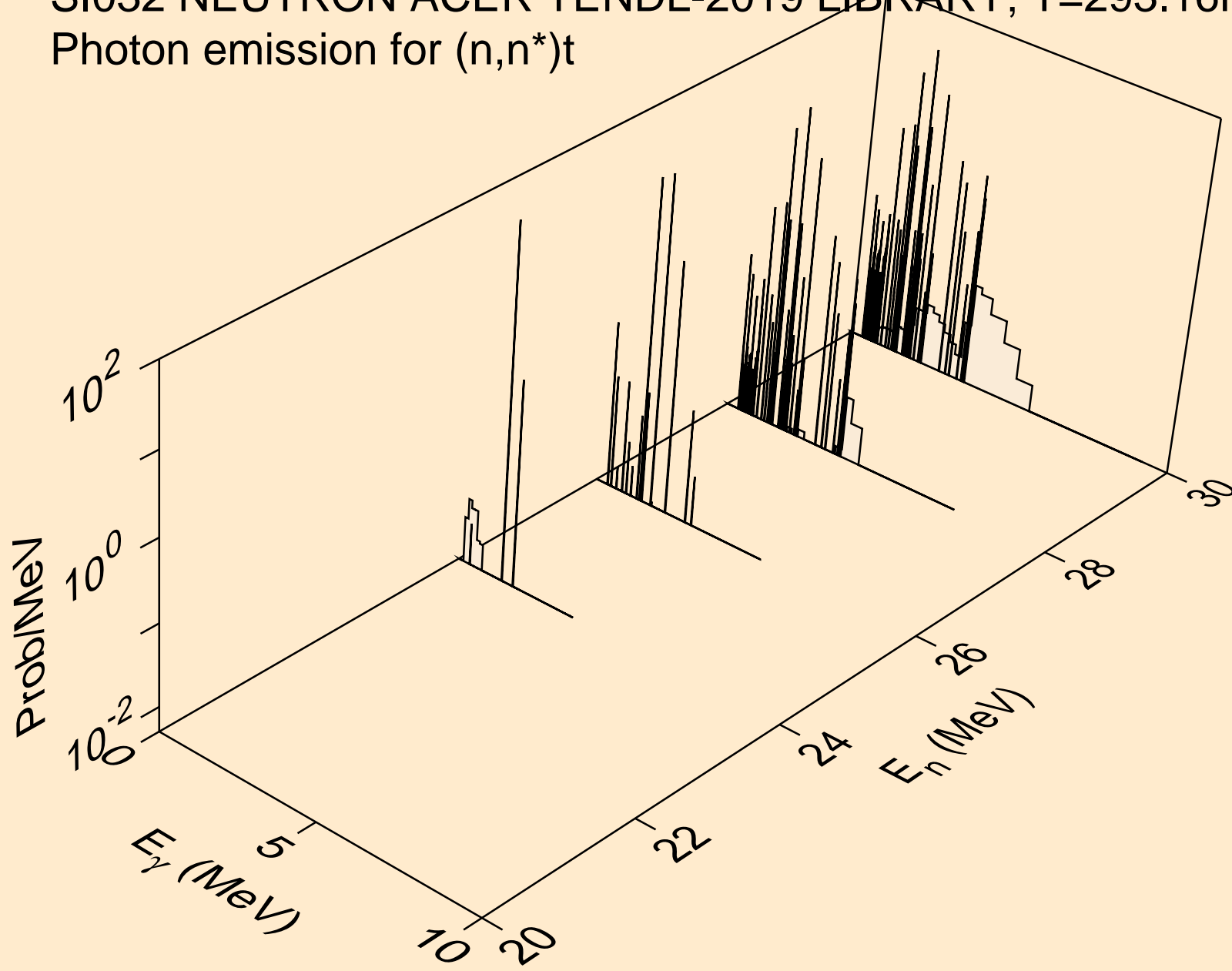
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Photon emission for (n,n\*)2a



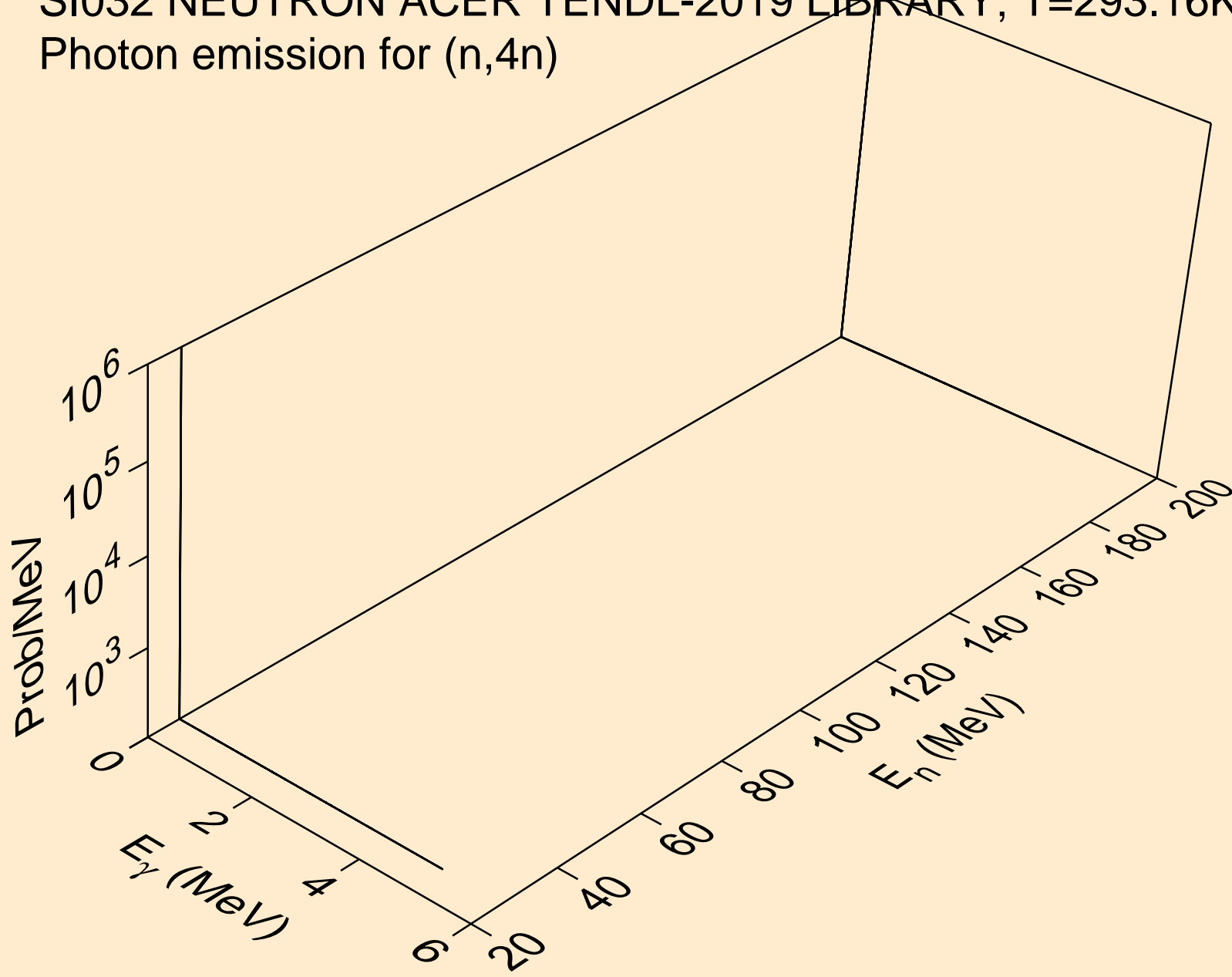
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Photon emission for (n,n\*)d



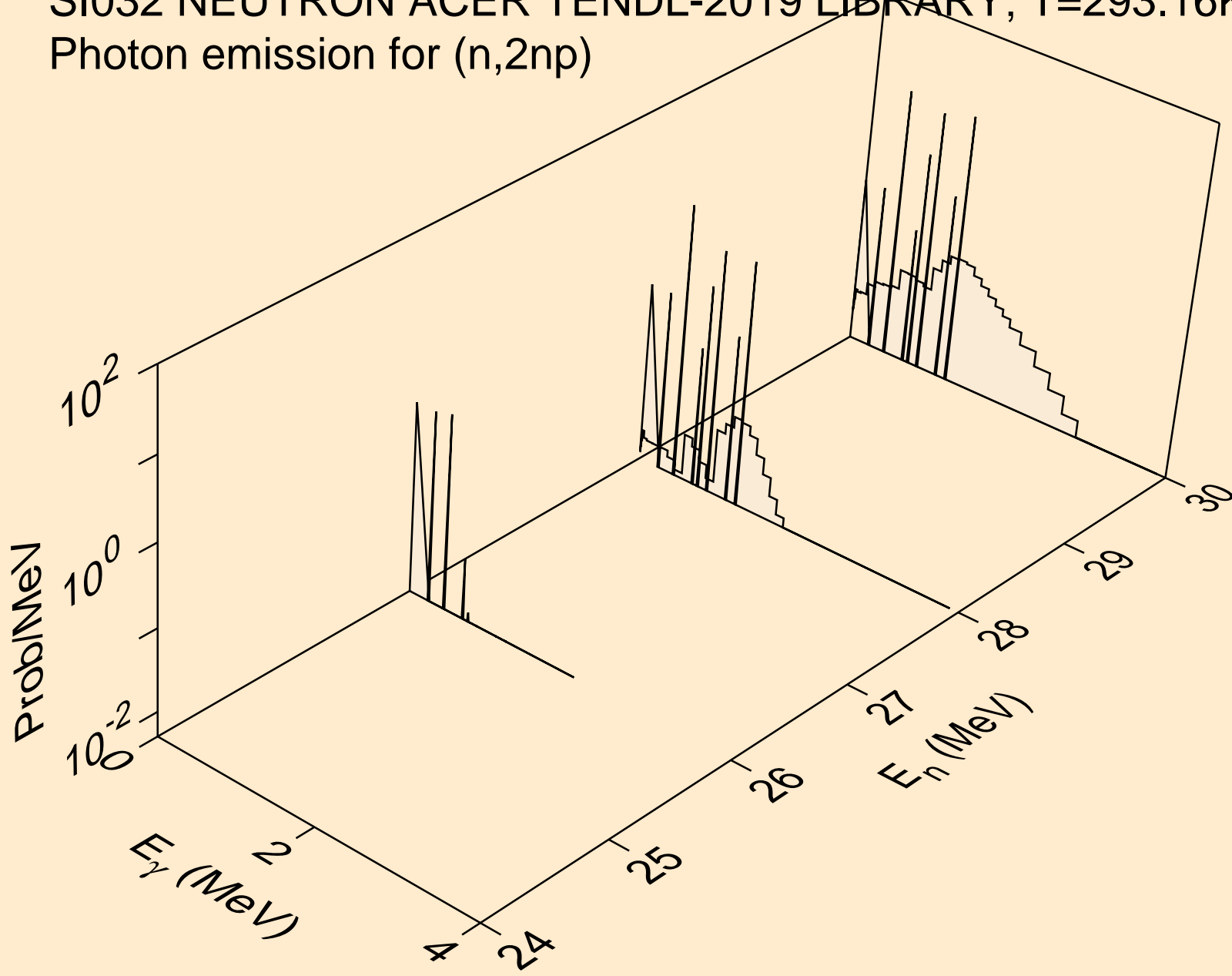
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Photon emission for (n,n\*)t



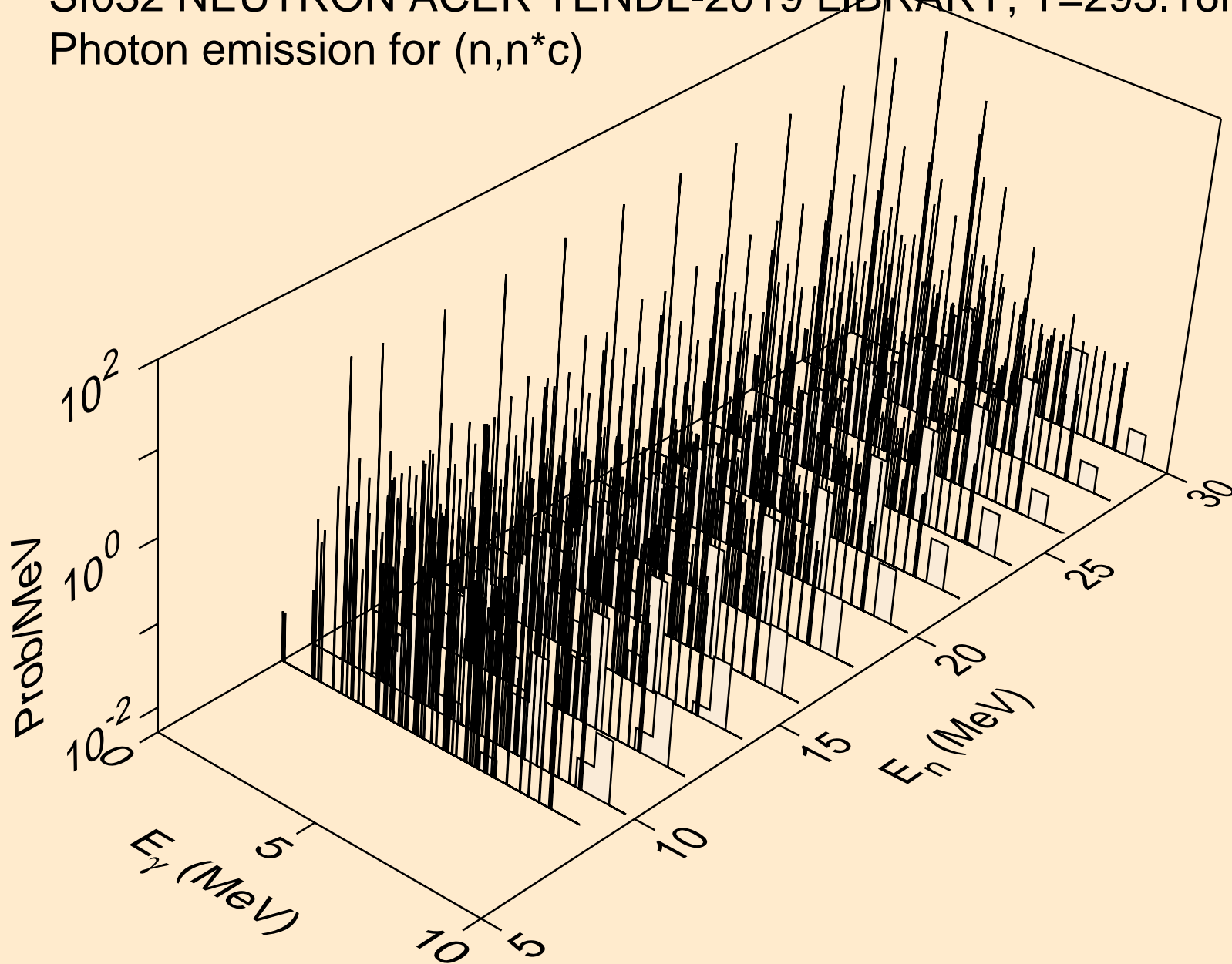
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Photon emission for (n,4n)



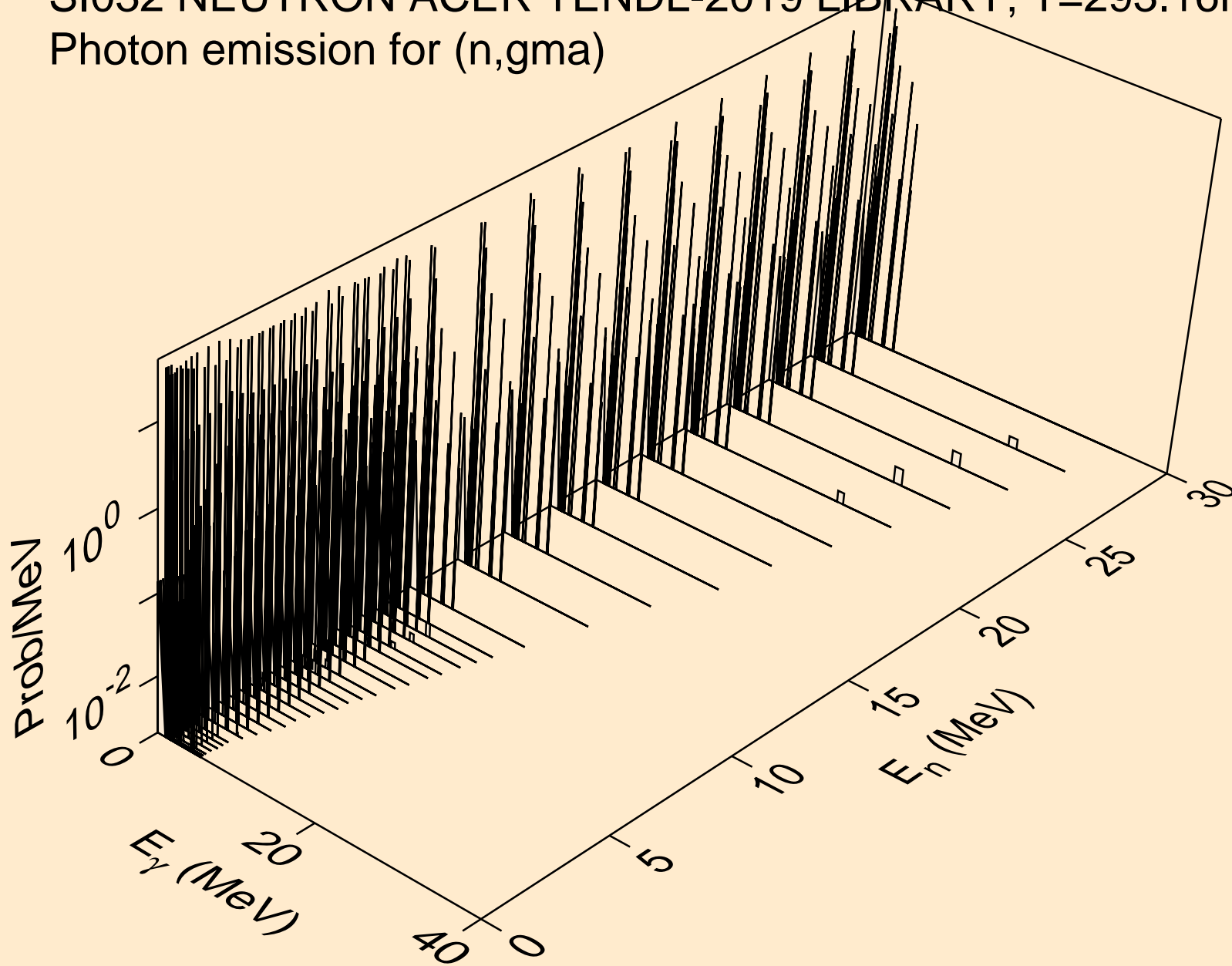
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Photon emission for (n,2np)



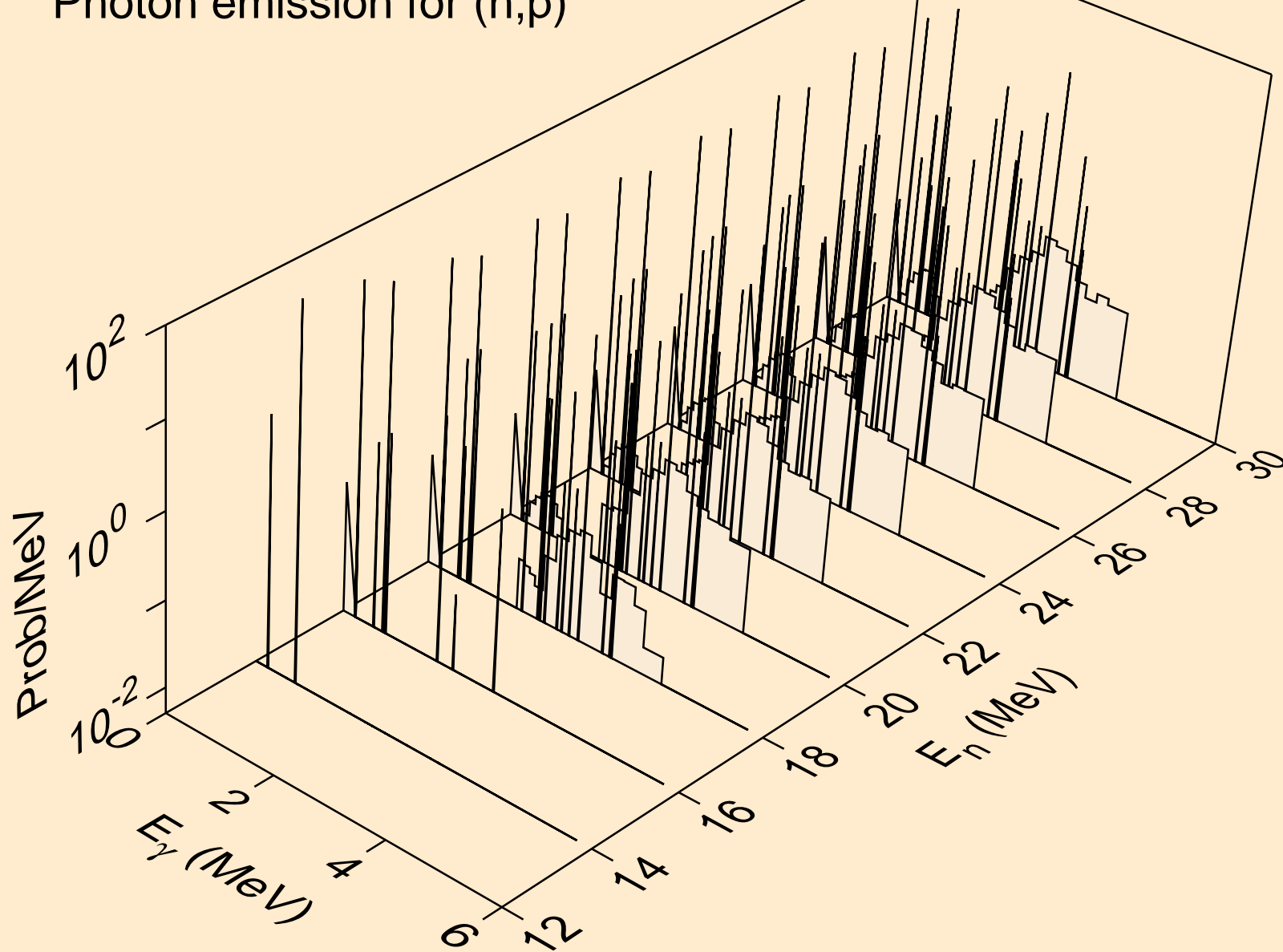
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

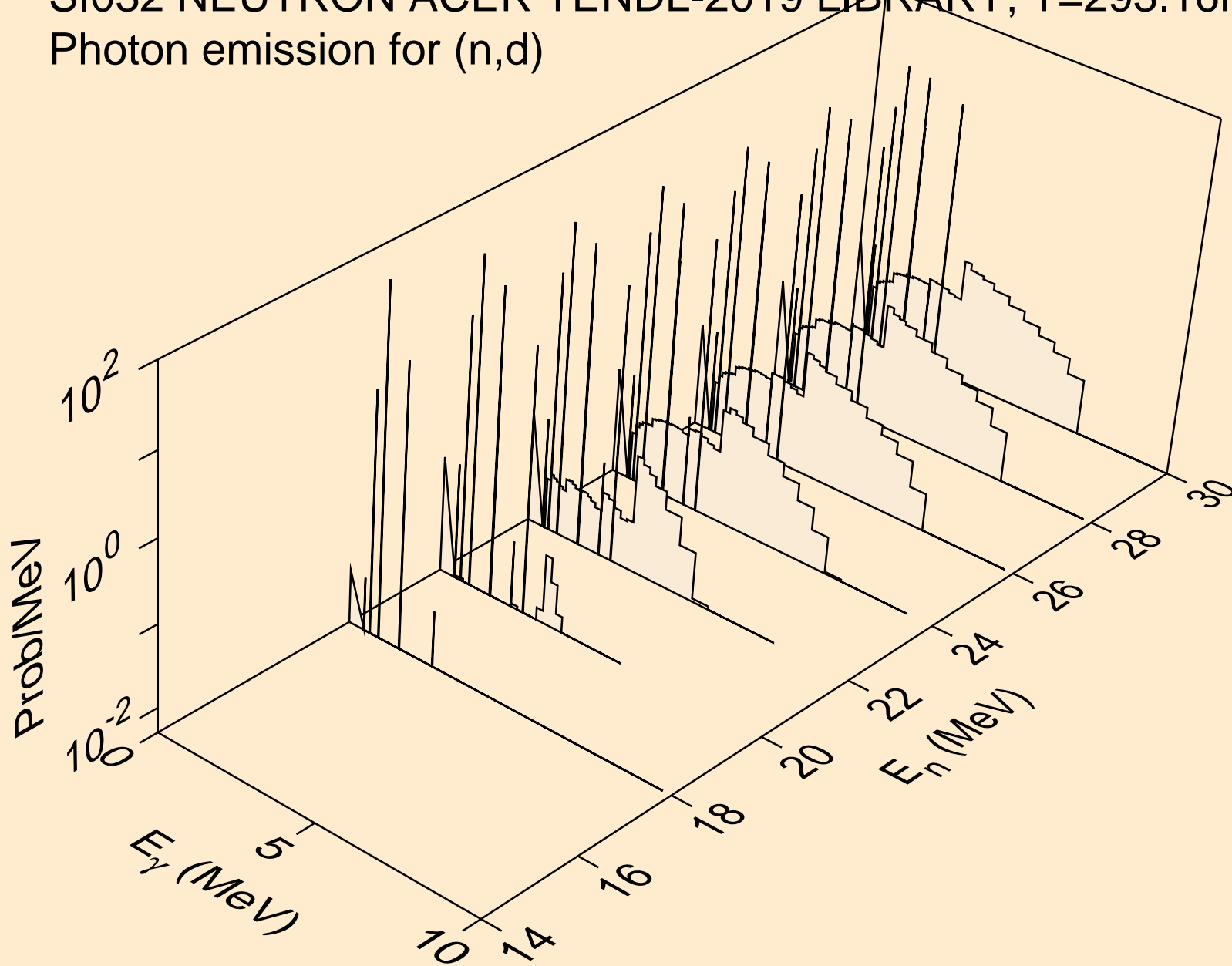


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

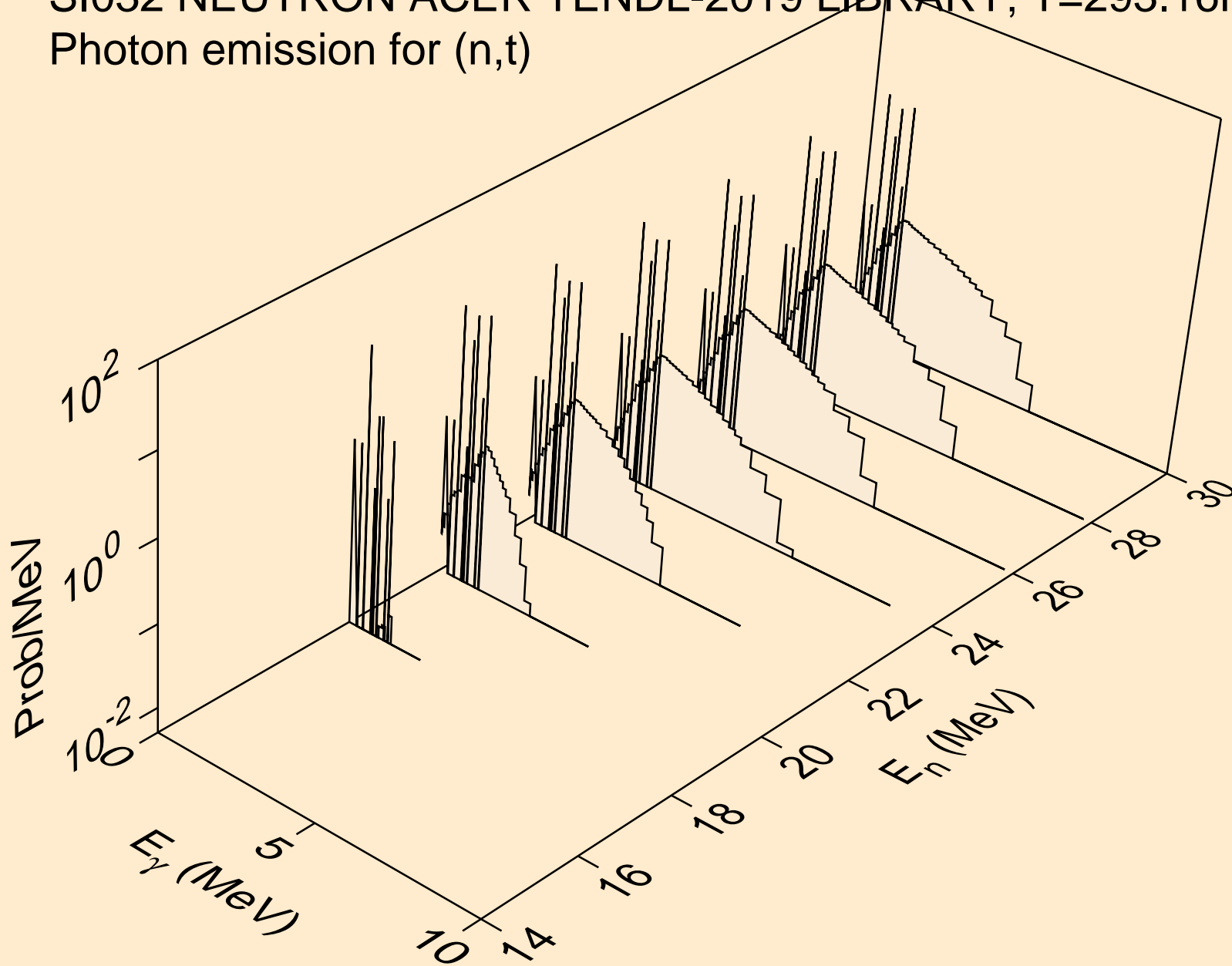




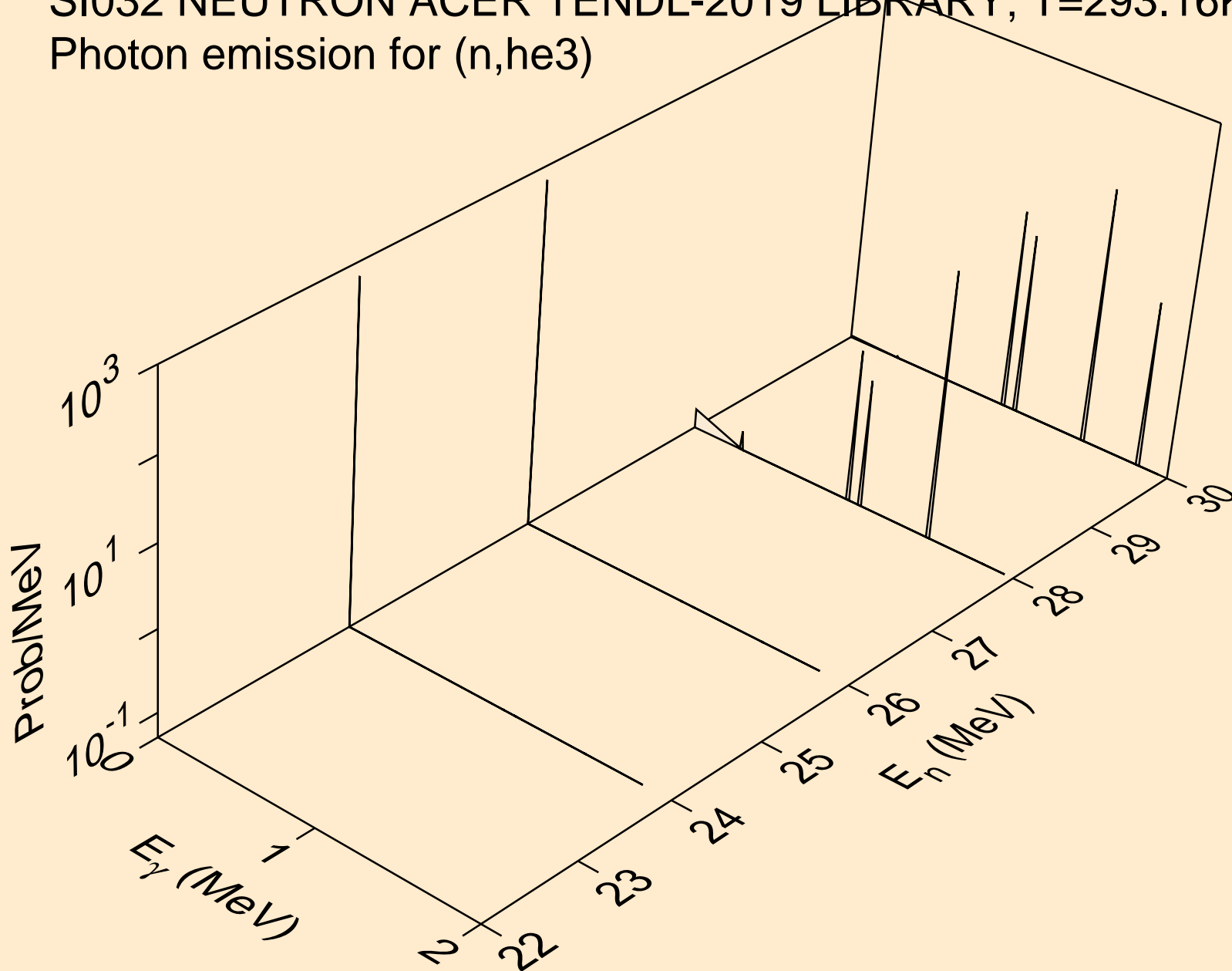
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Photon emission for (n,d)



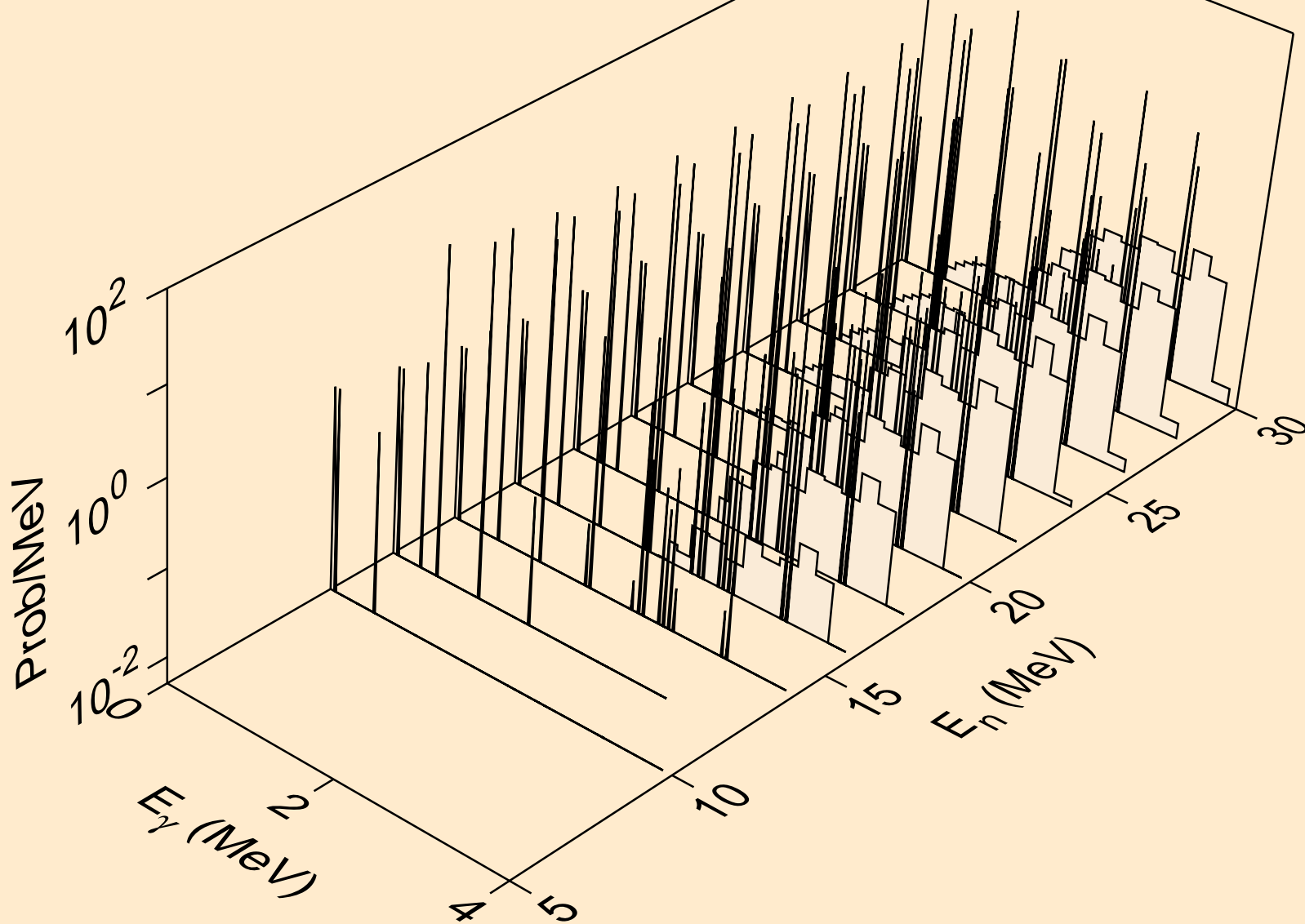
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Photon emission for (n,t)



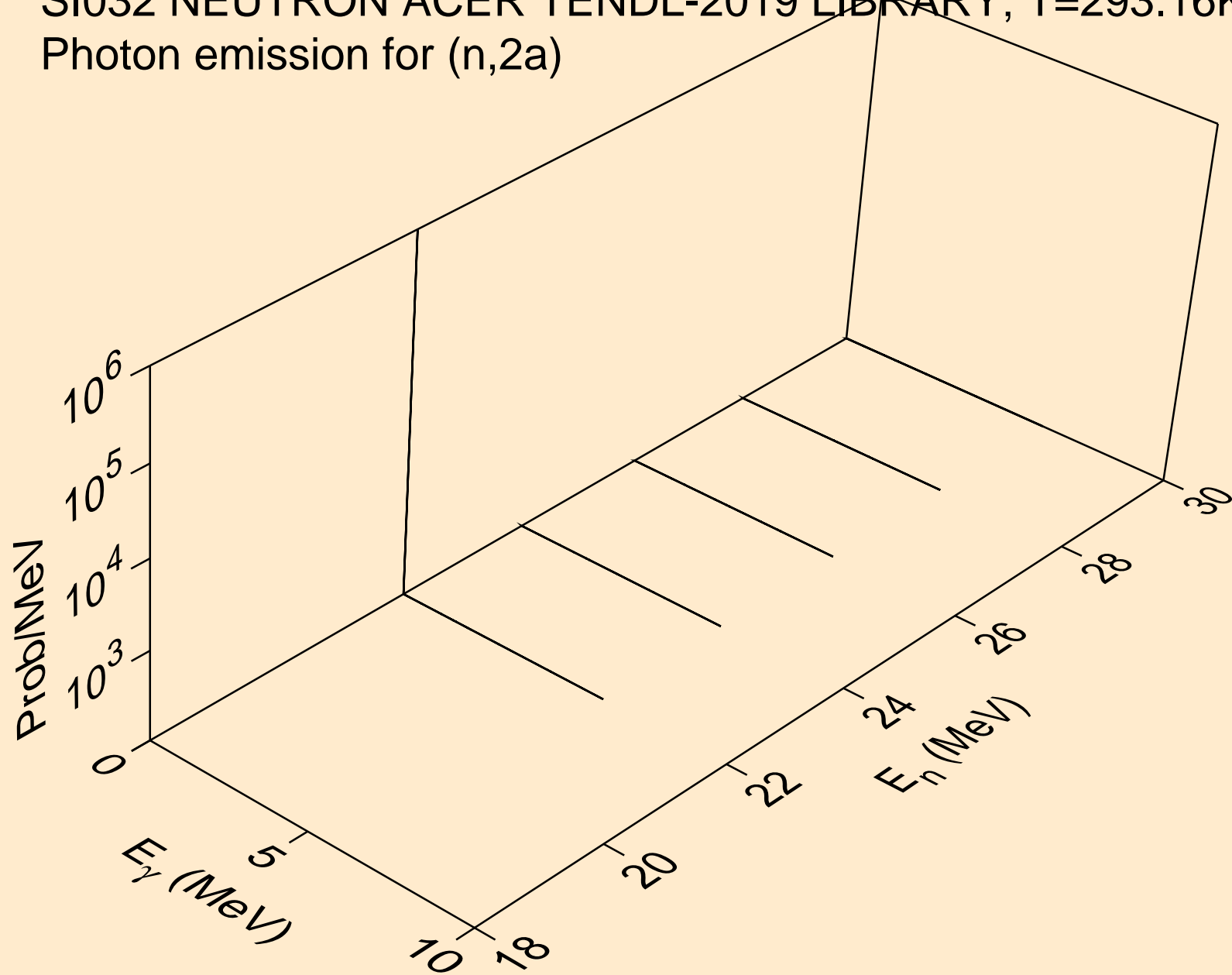
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Photon emission for (n,he3)



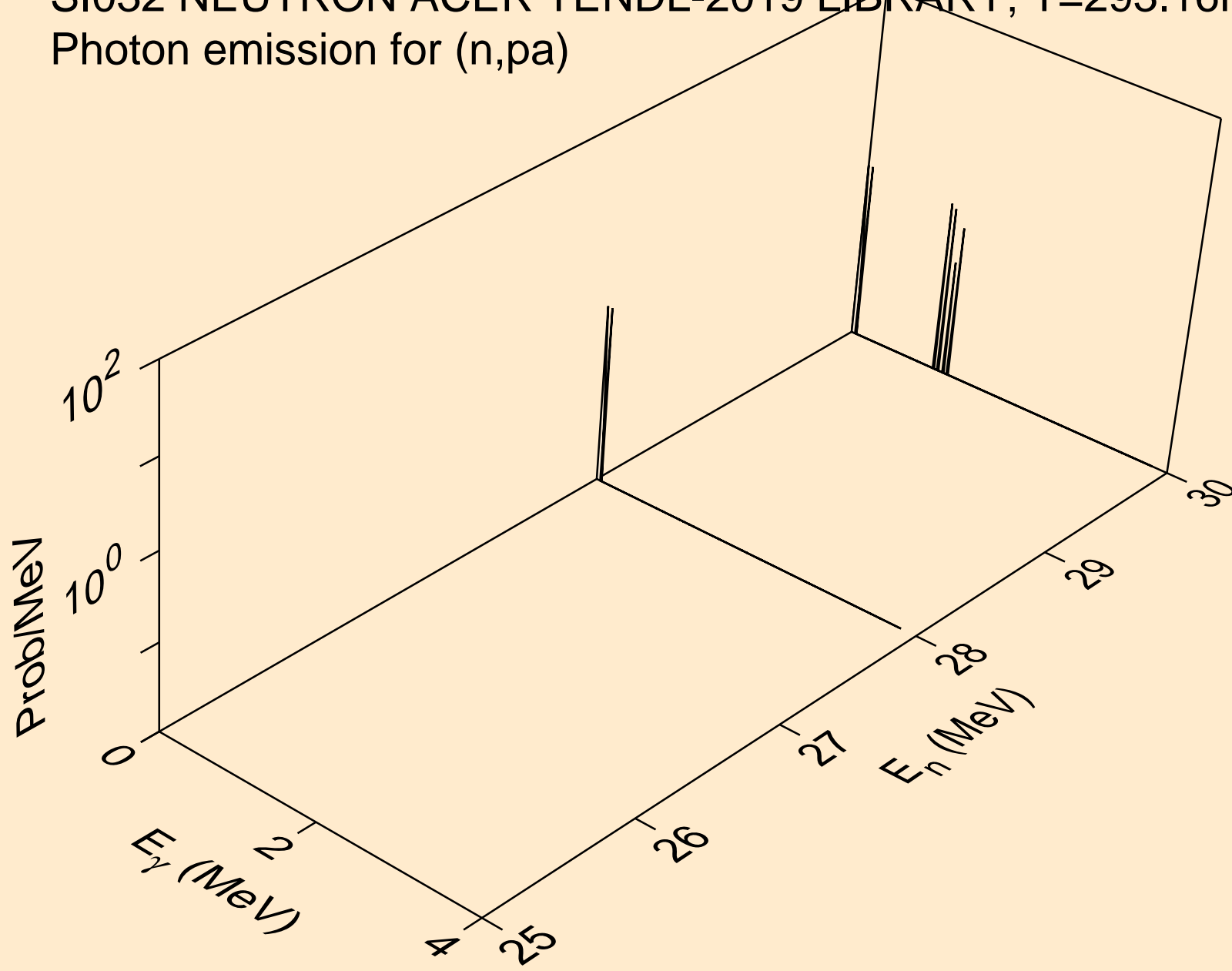
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Photon emission for (n,a)



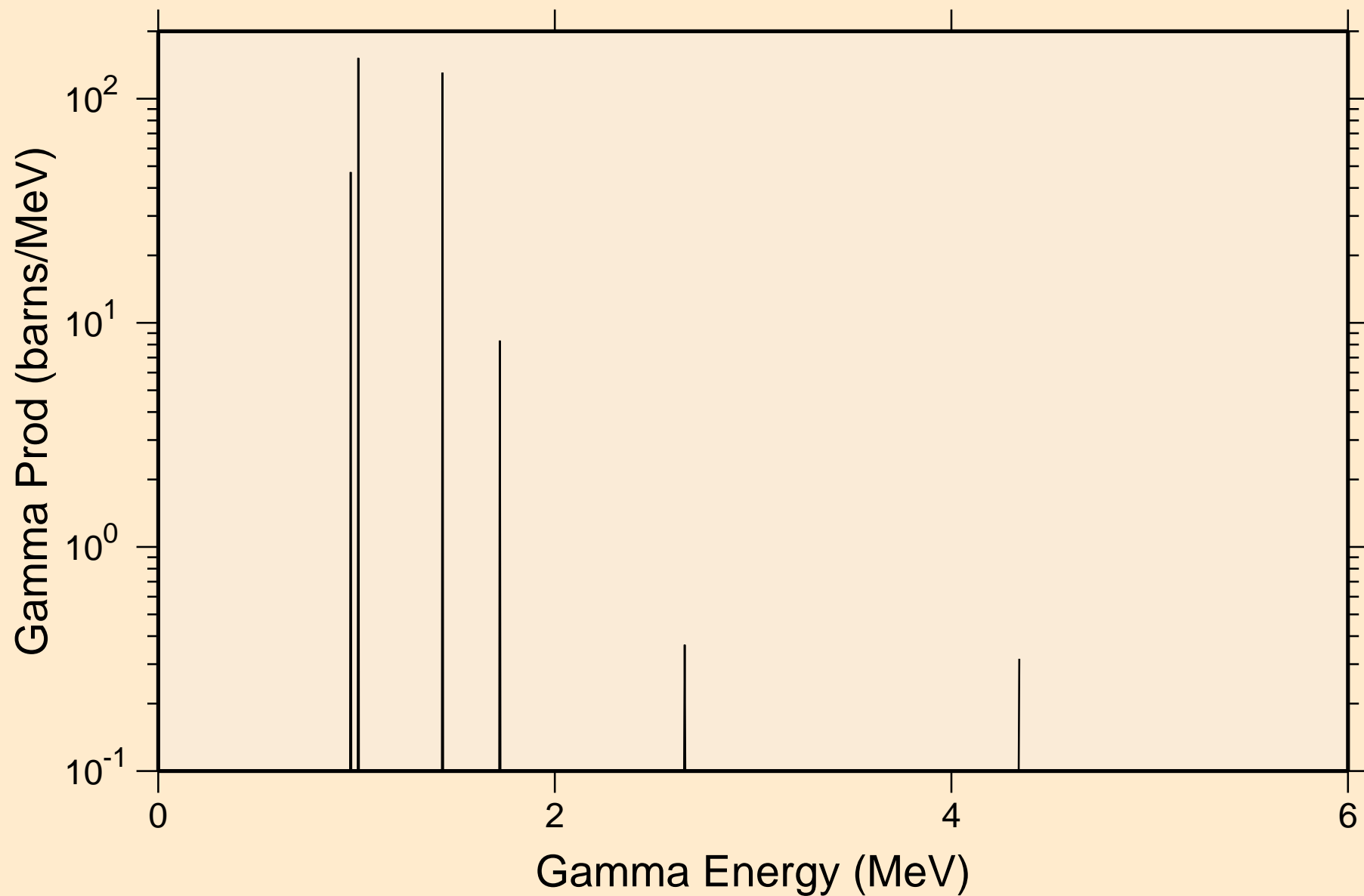
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Photon emission for (n,2a)



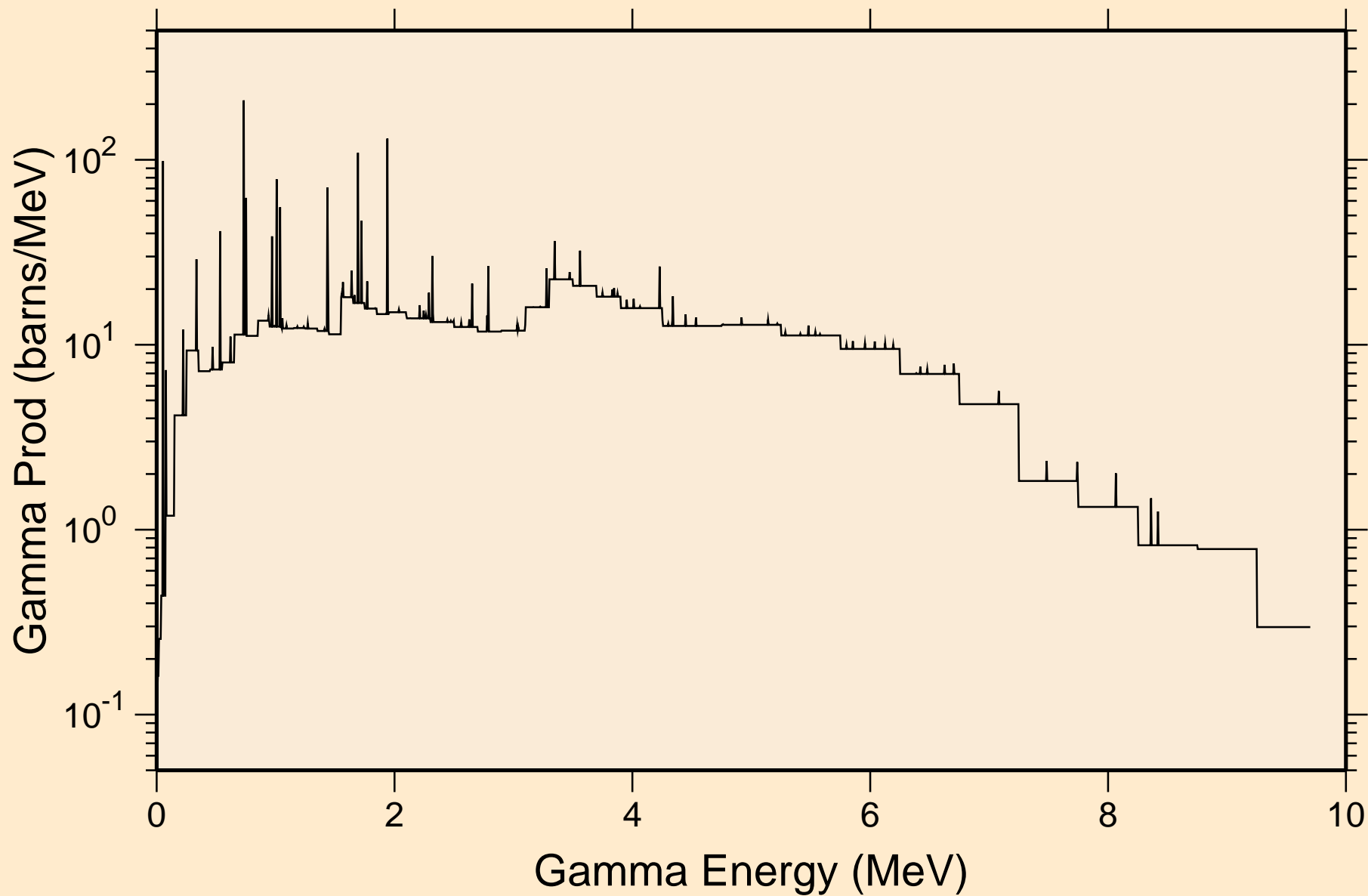
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



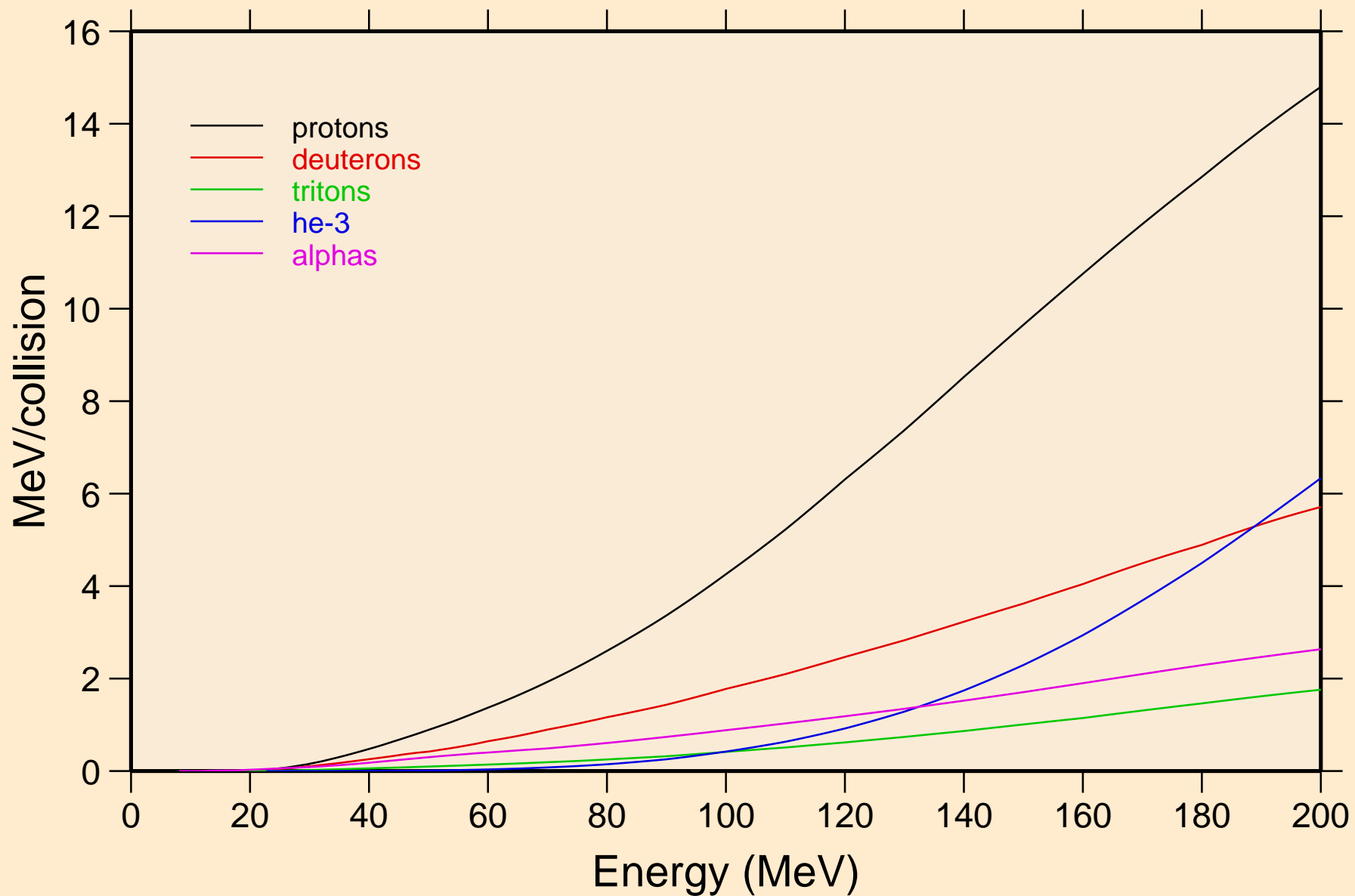
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14 MeV photon spectrum



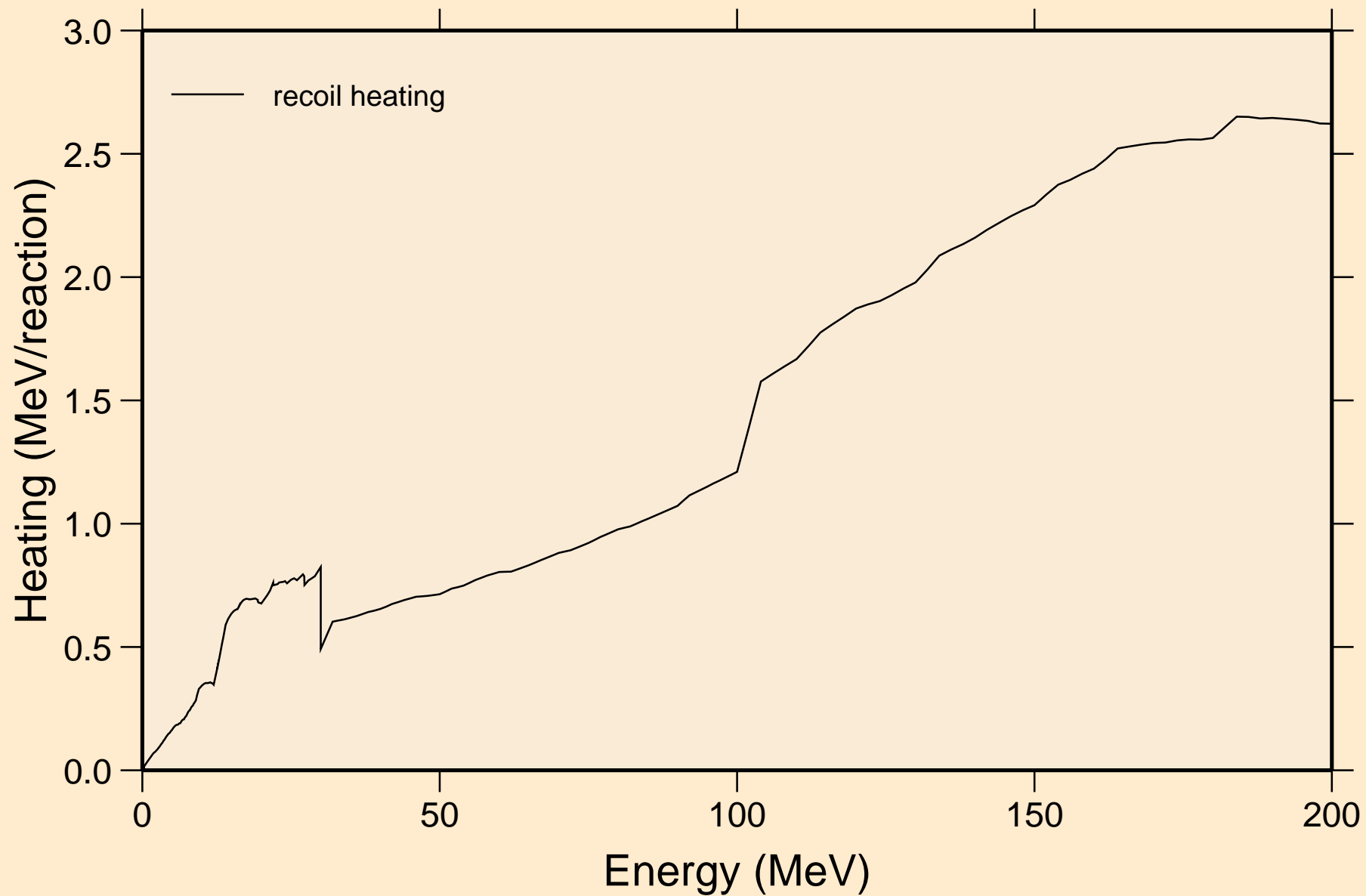


# SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

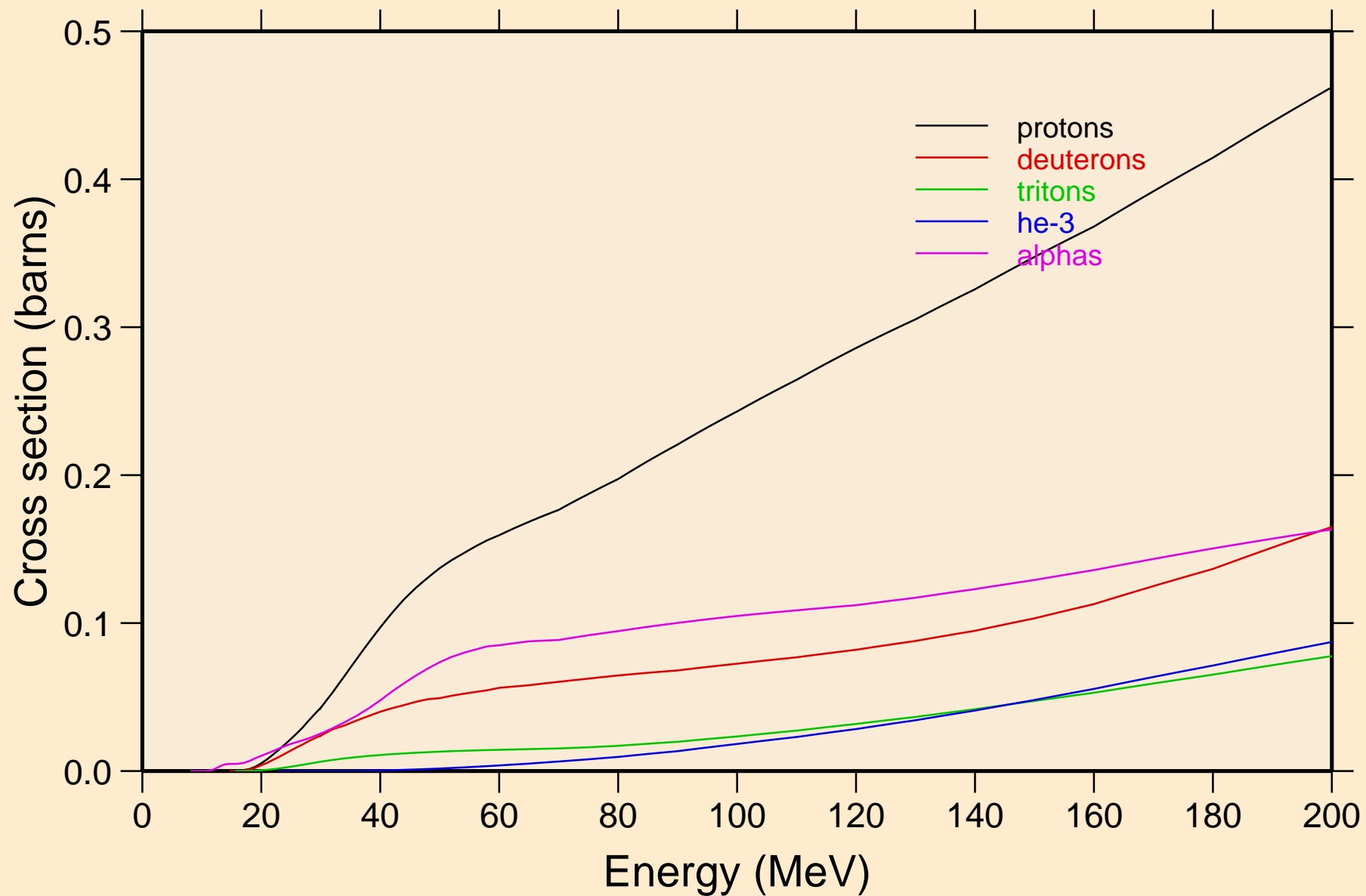


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

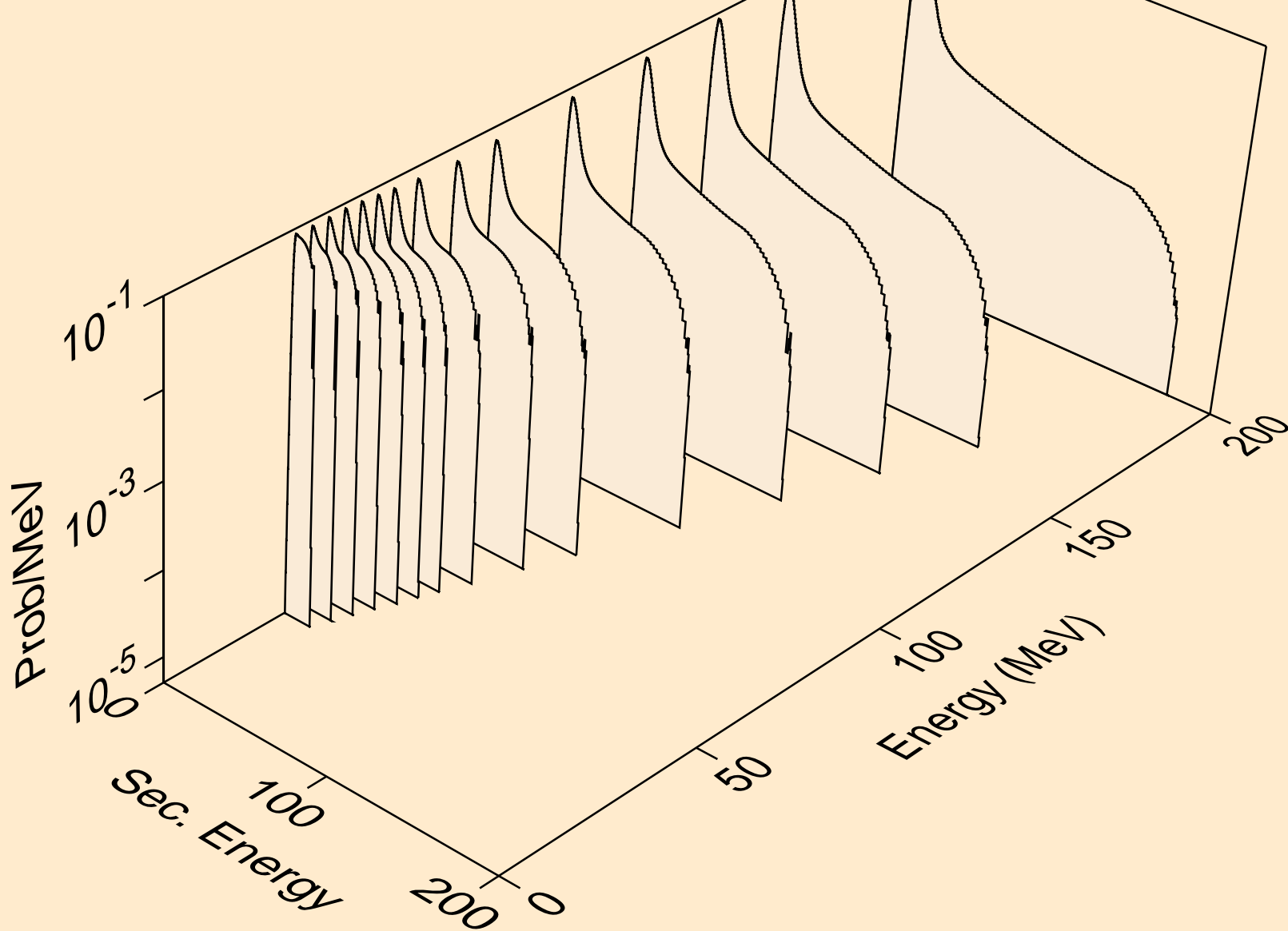


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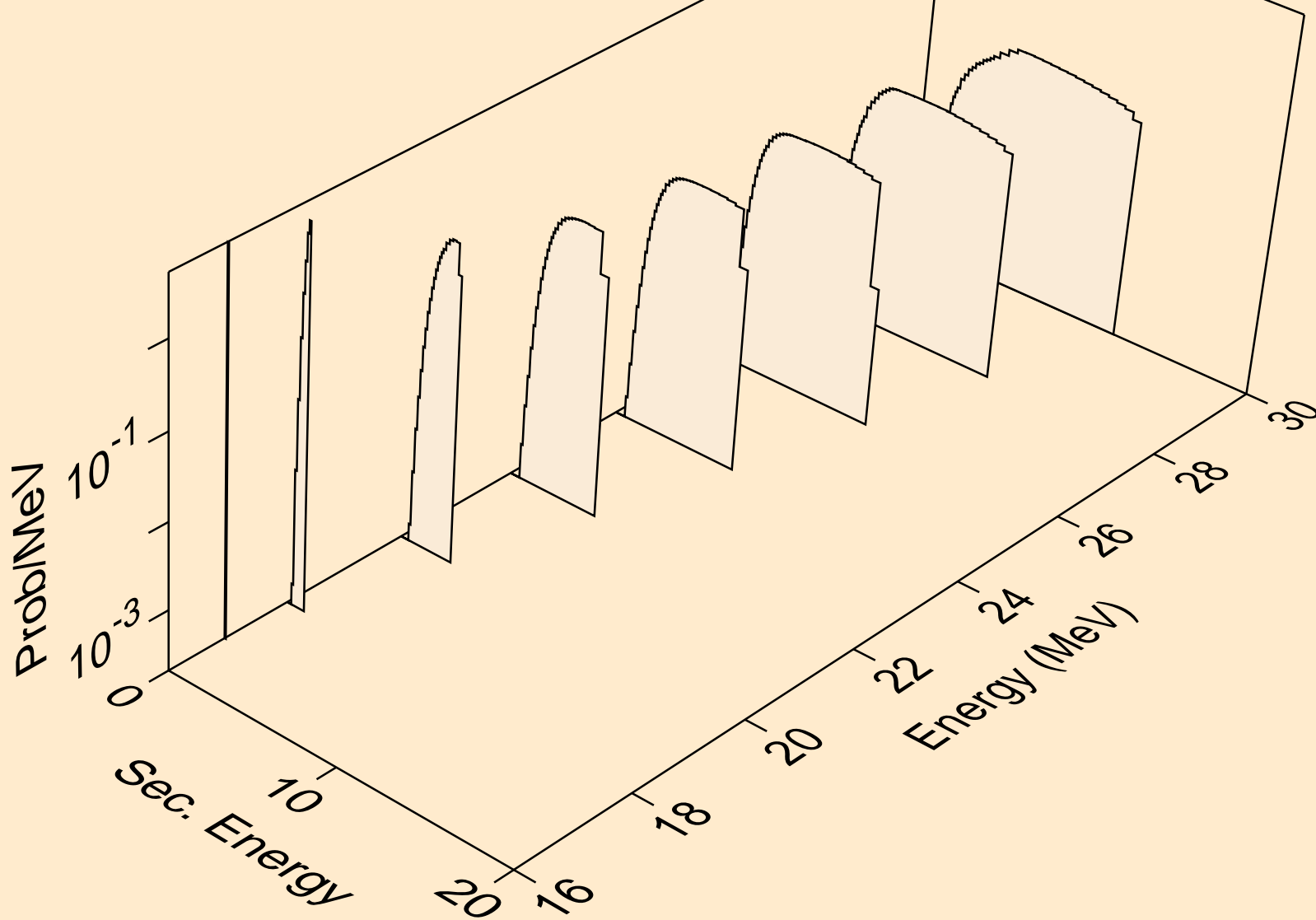
## Particle production cross sections



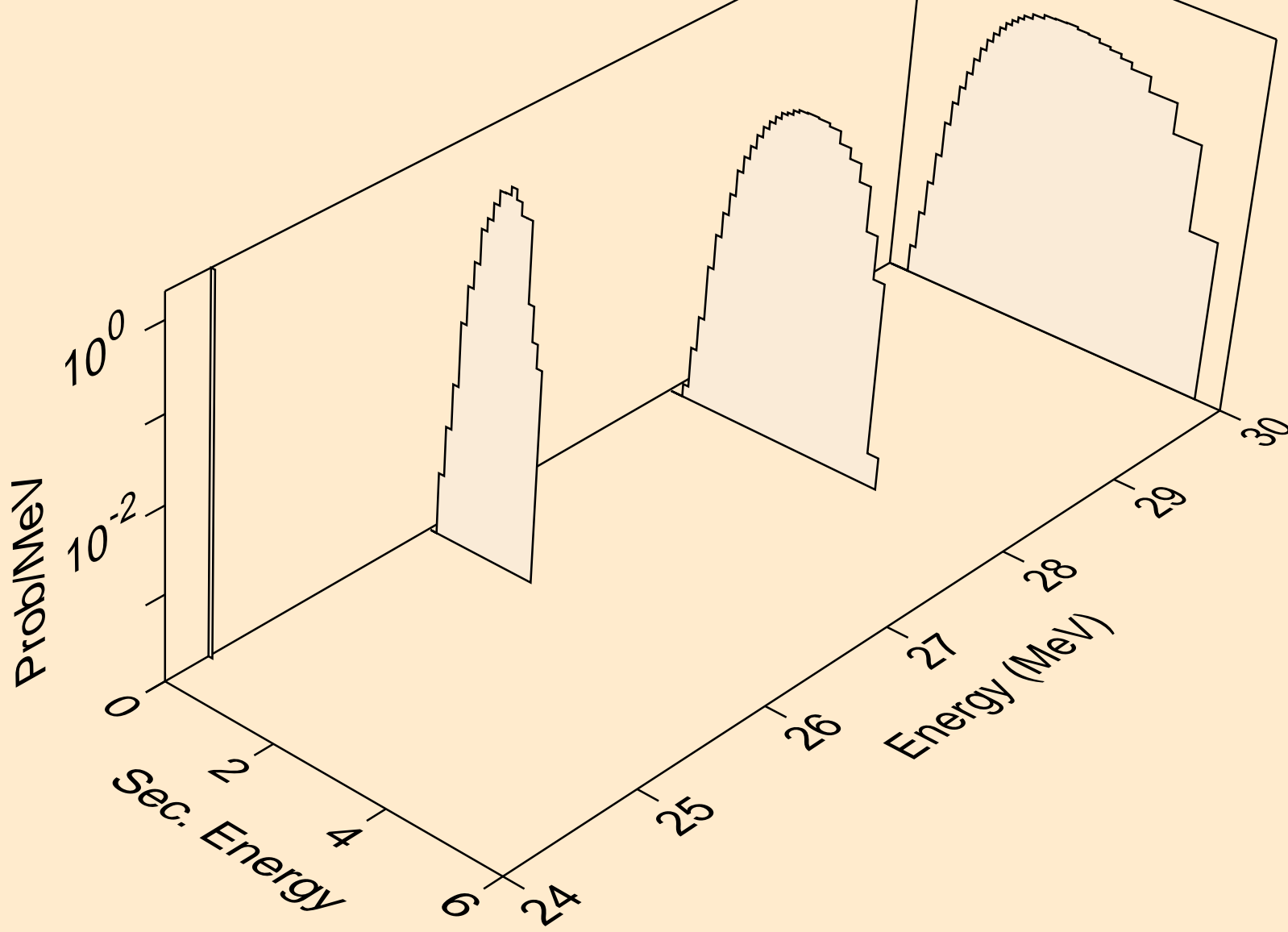
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



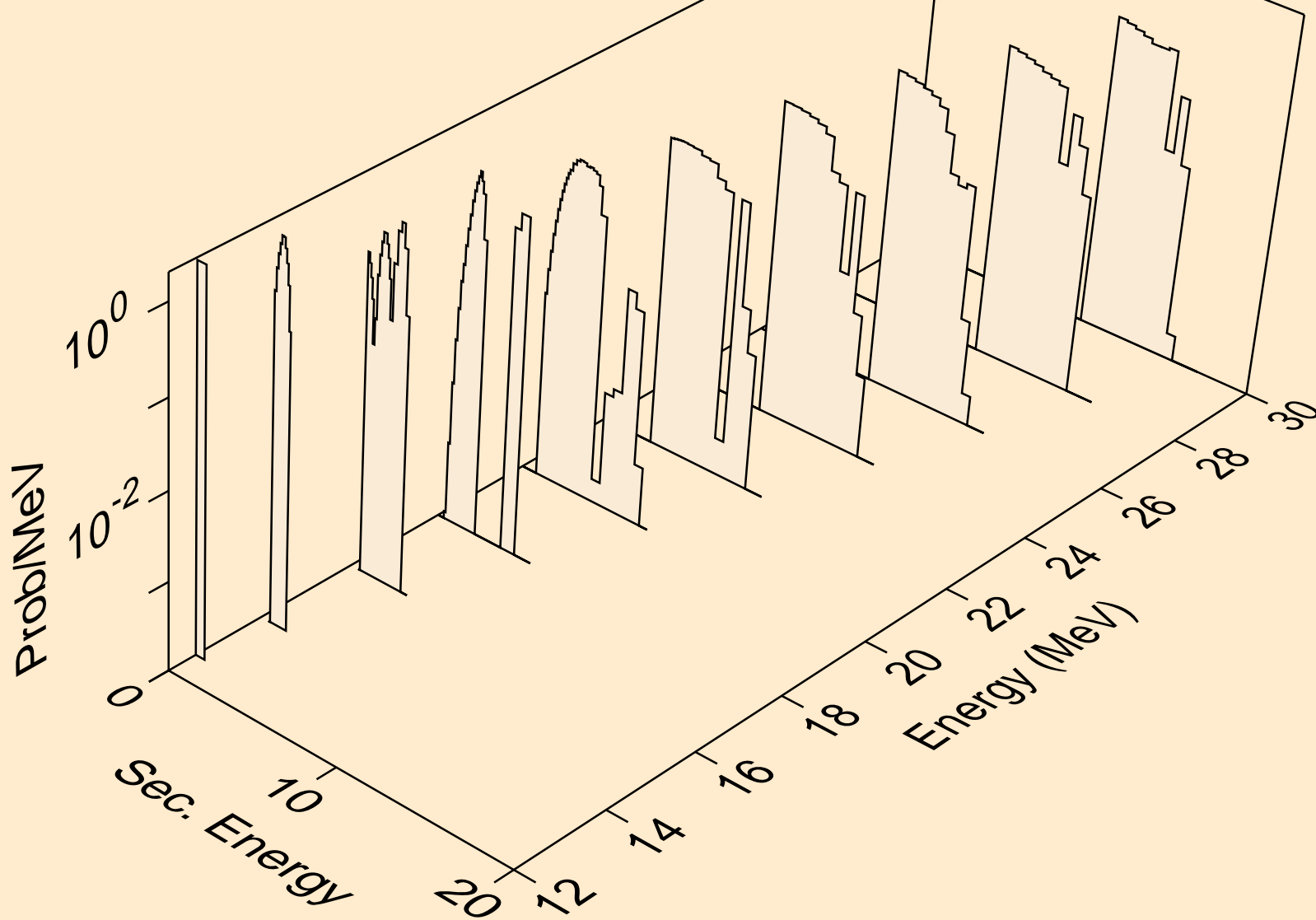
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protons from (n,n\*)p



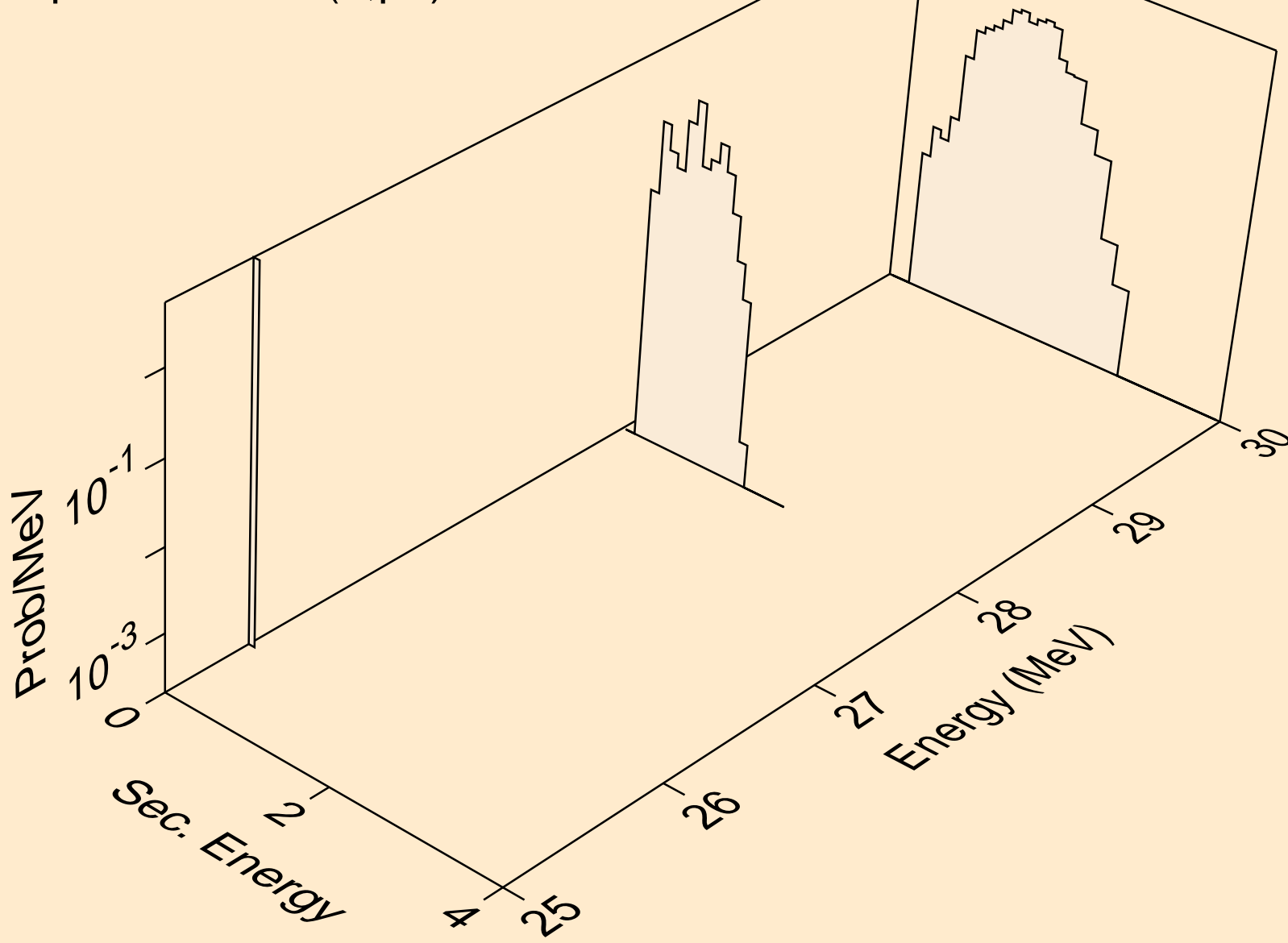
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

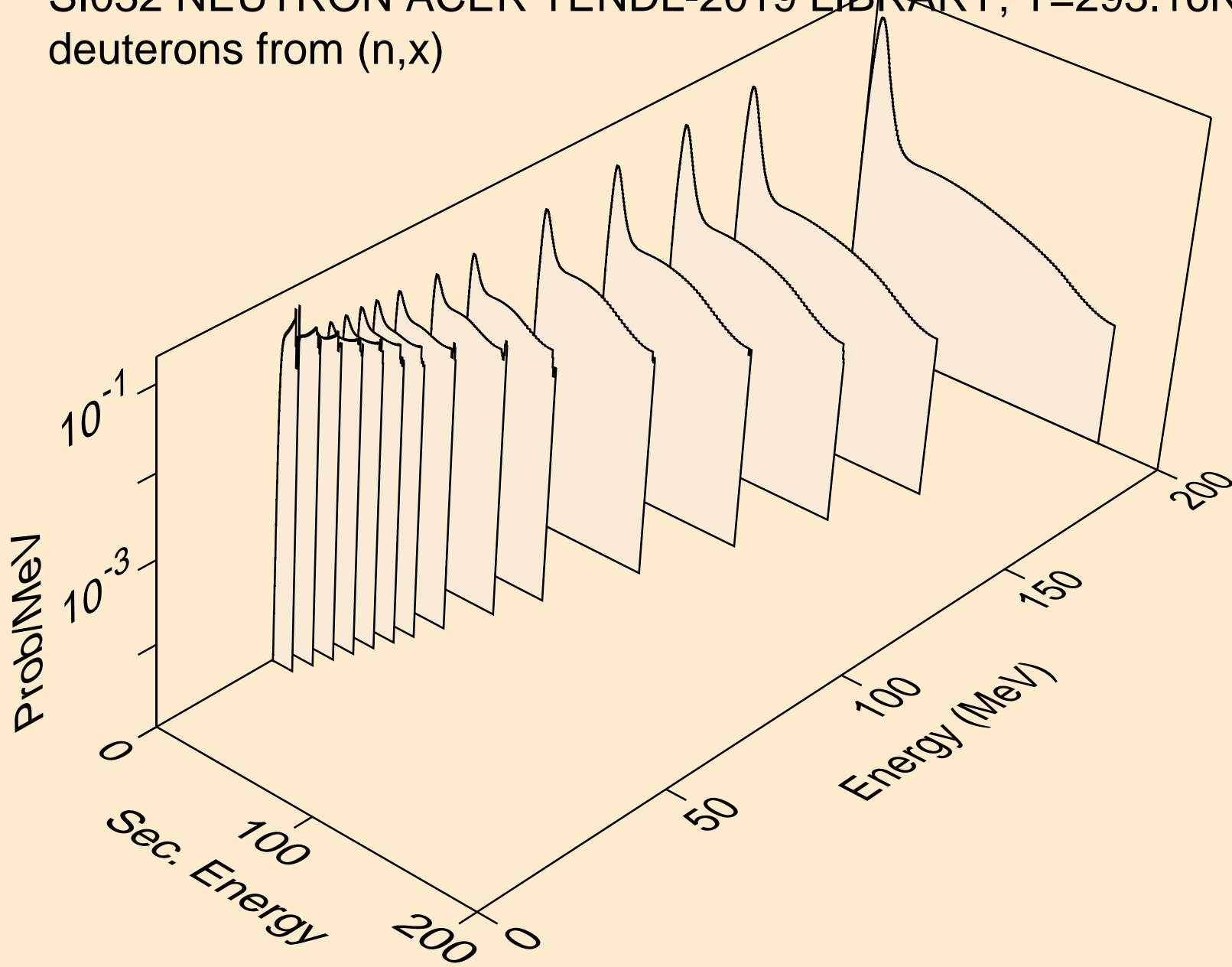


SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pa)

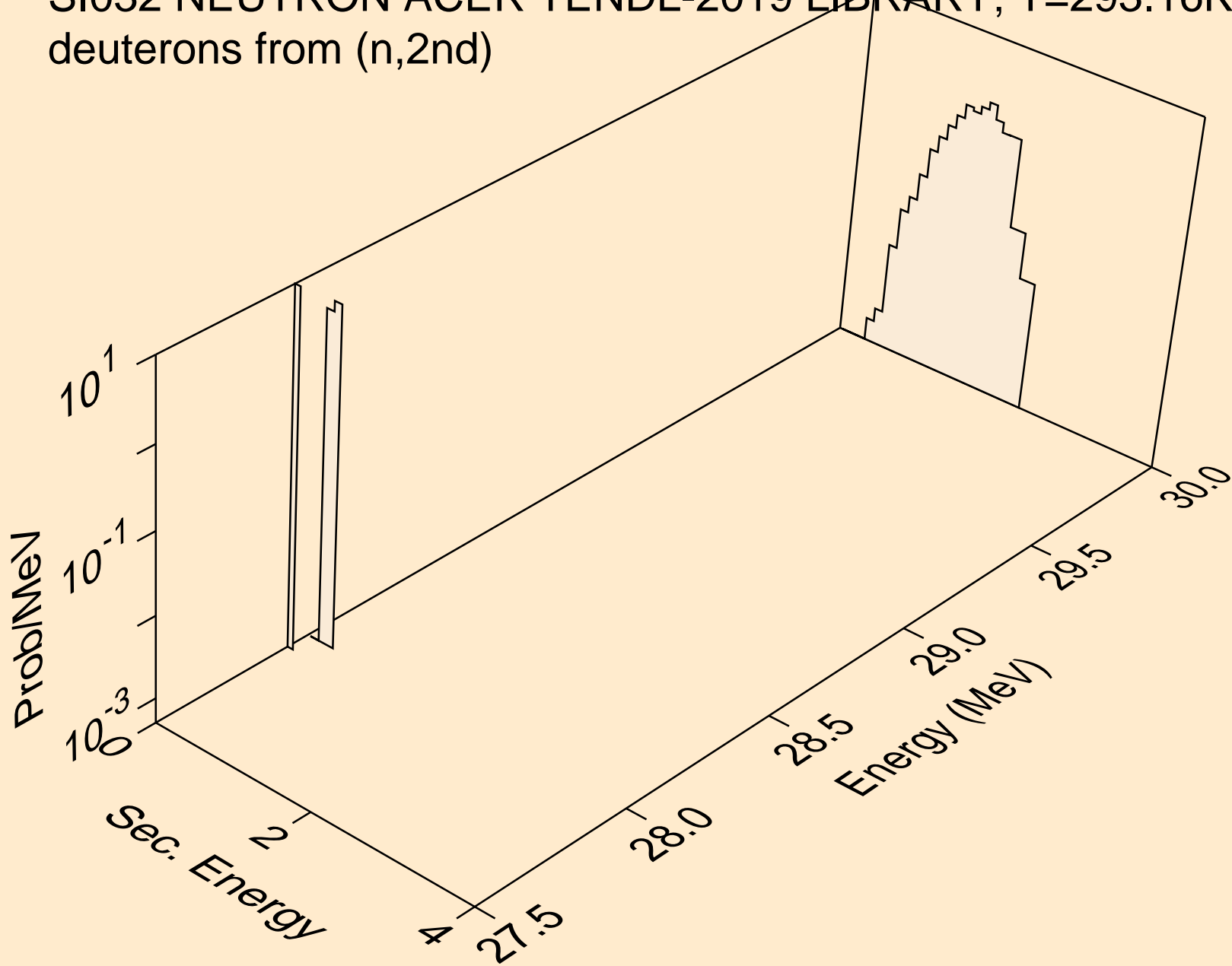




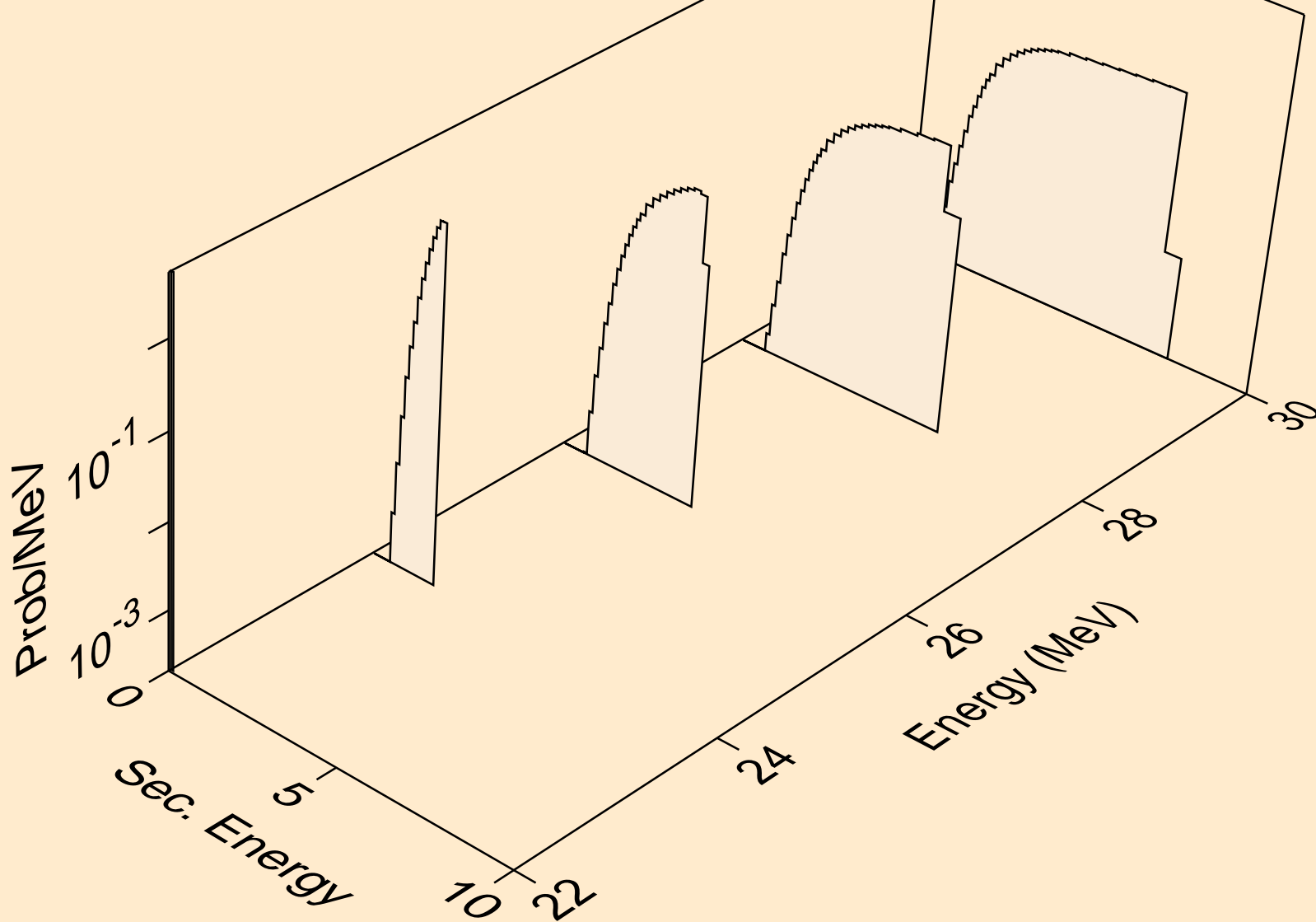
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deuterons from (n,x)



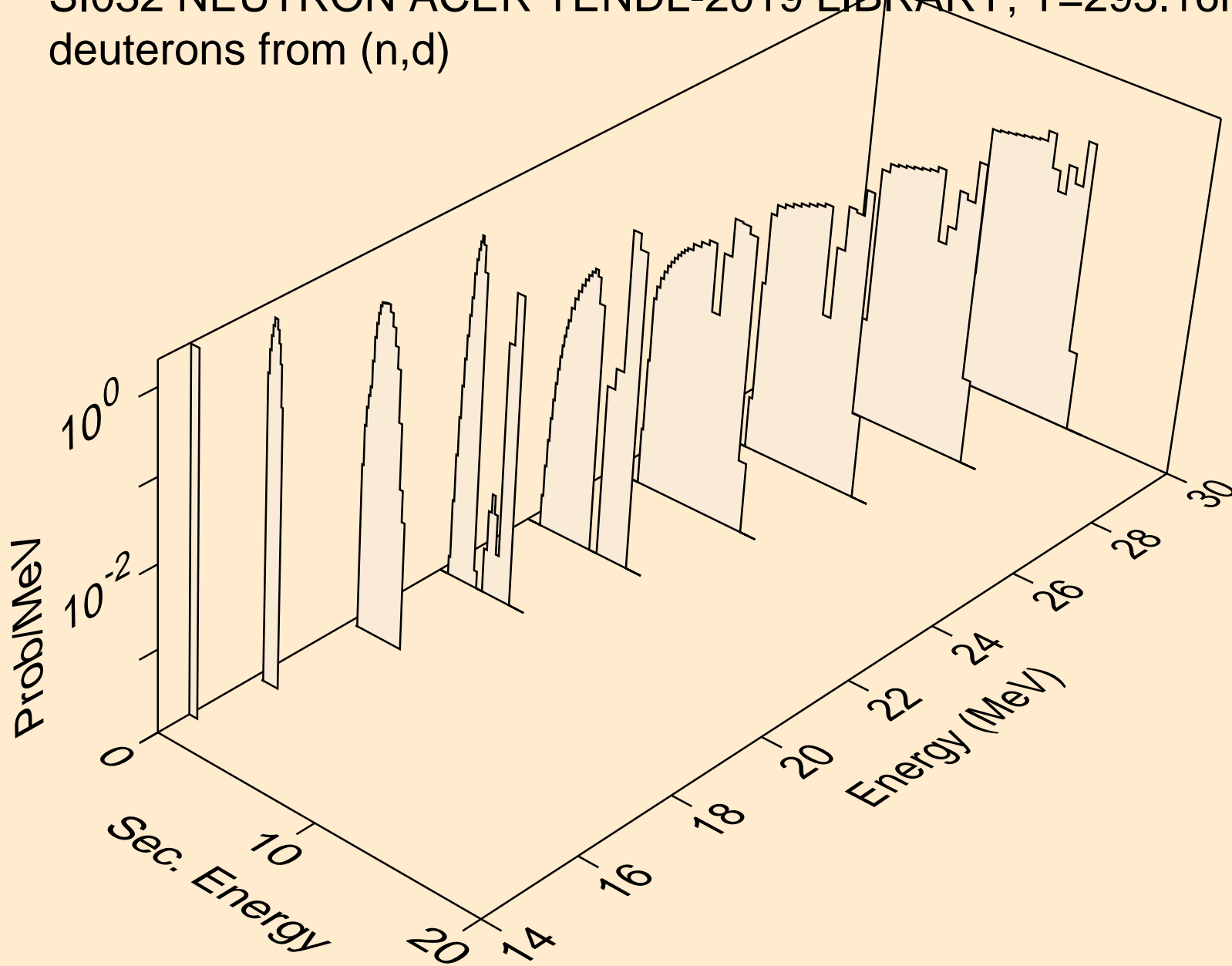
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deuterons from (n,2nd)



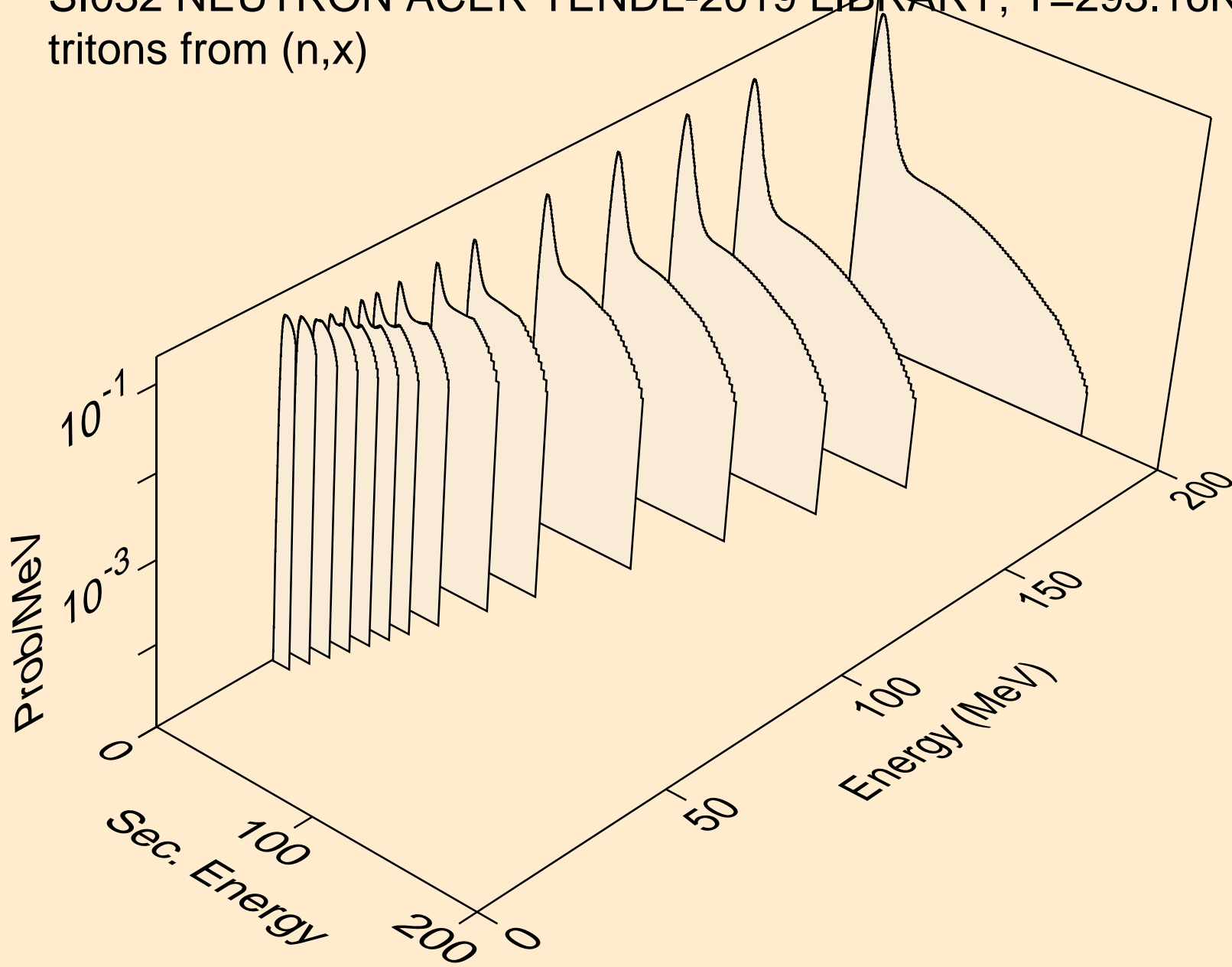
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deuterons from (n,n\*)d



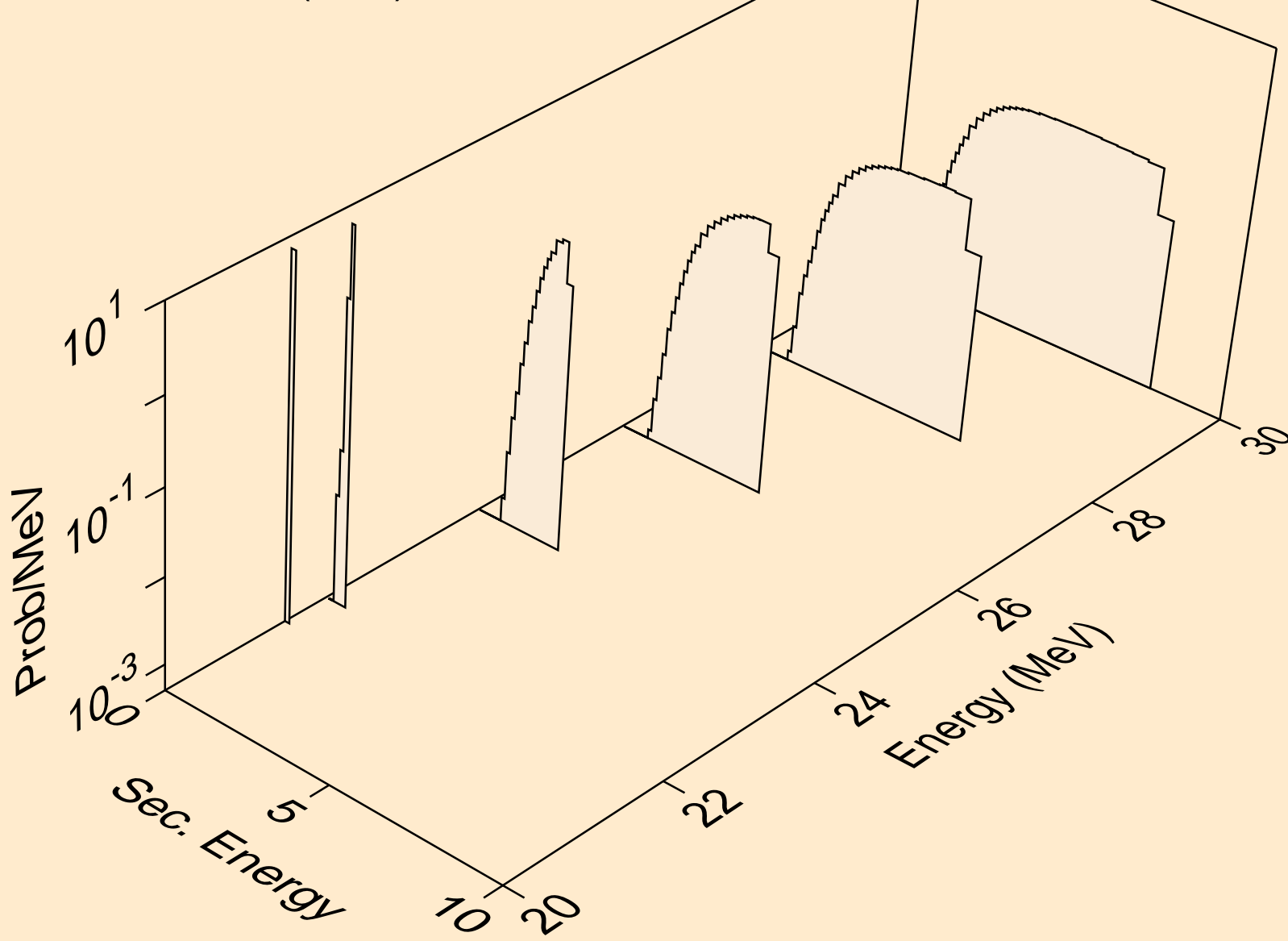
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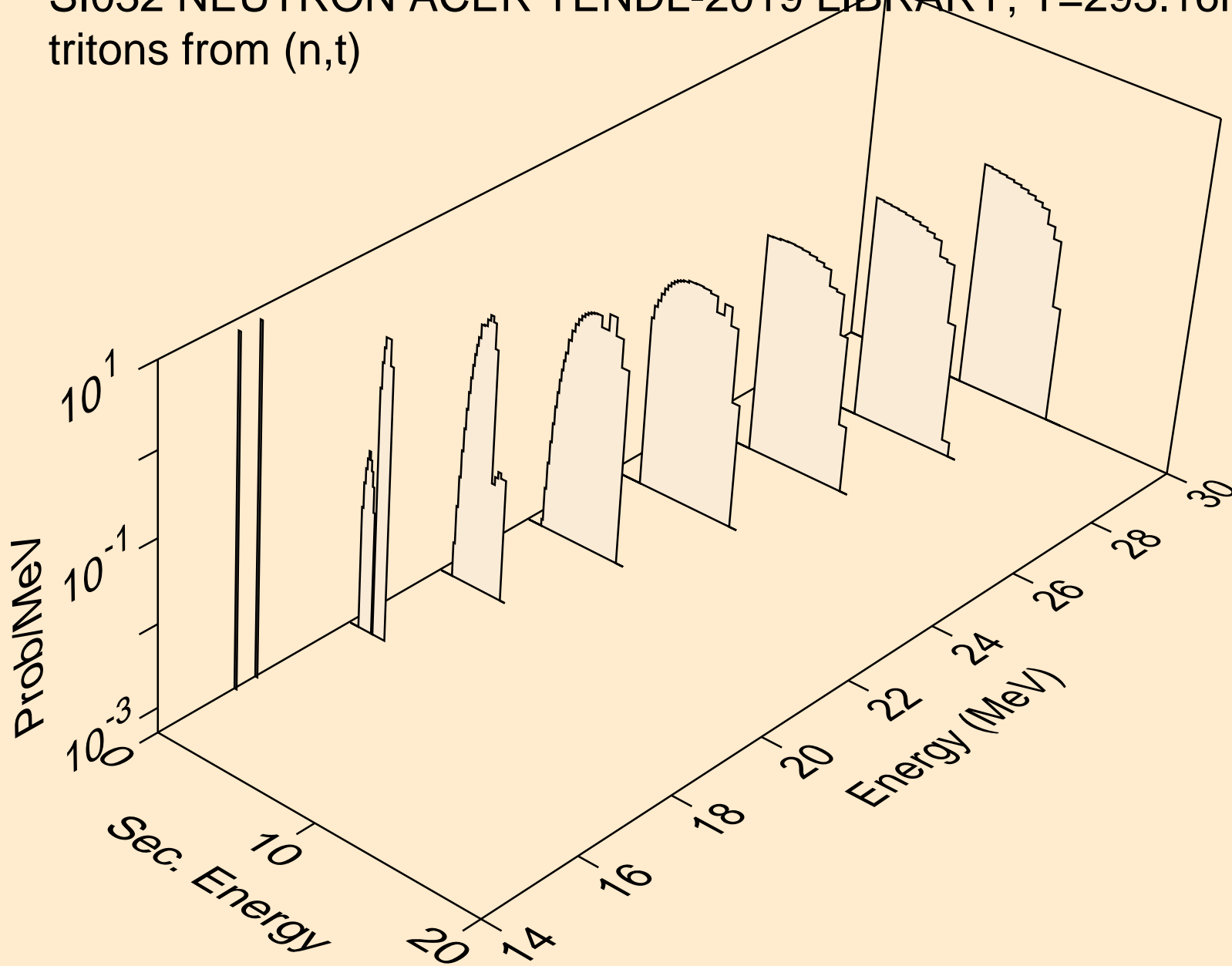
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tritons from (n,x)



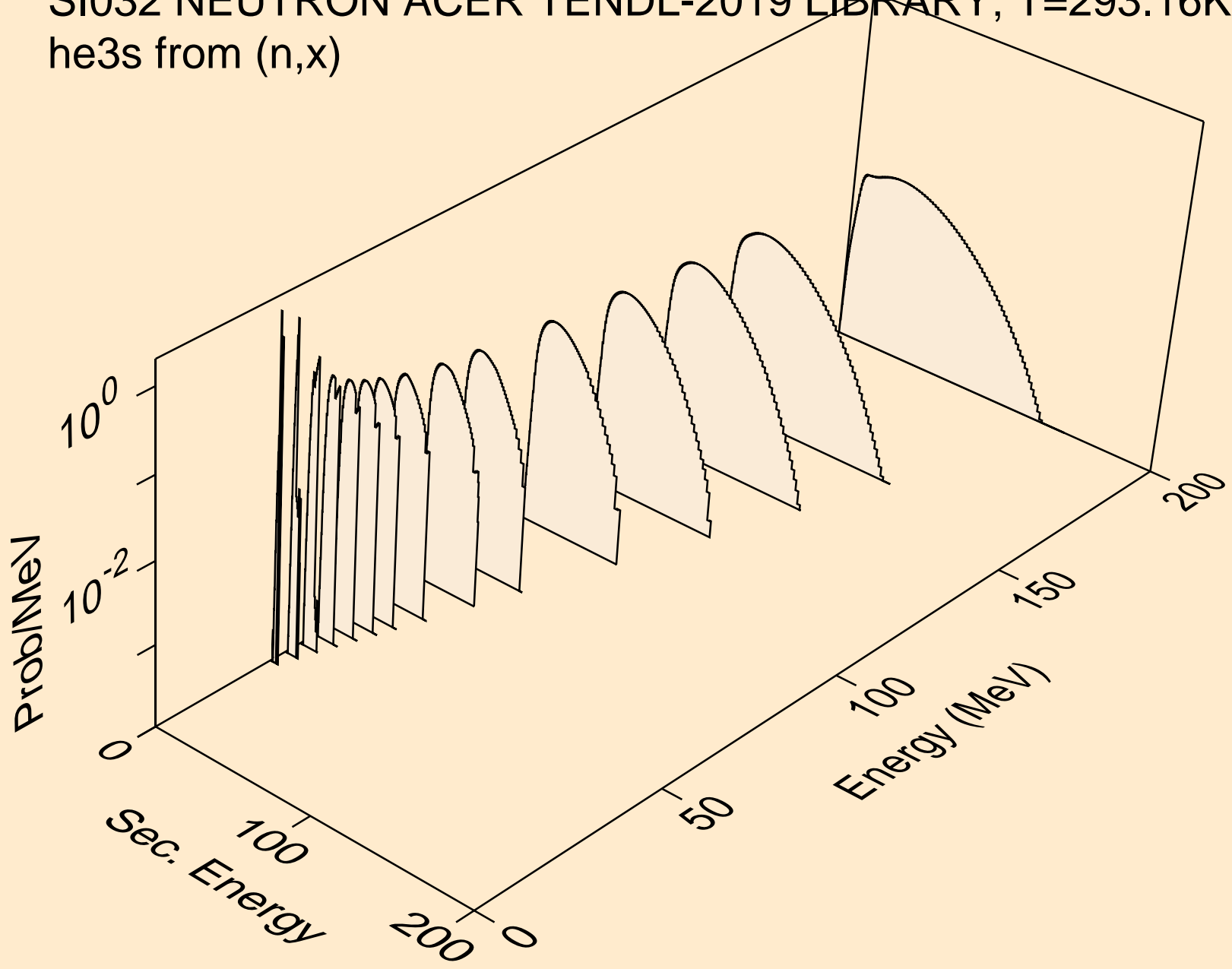
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

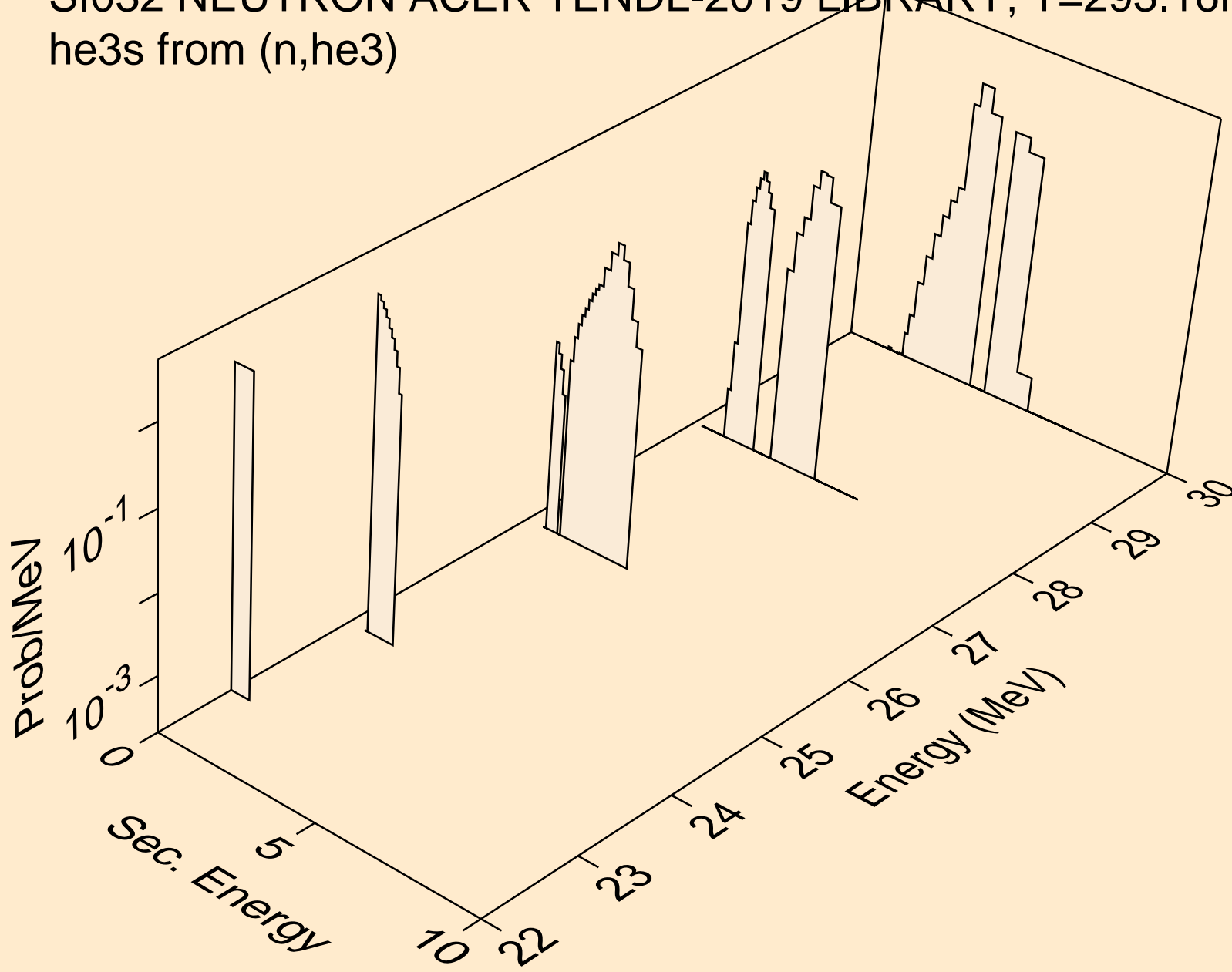


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he3s from (n,x)

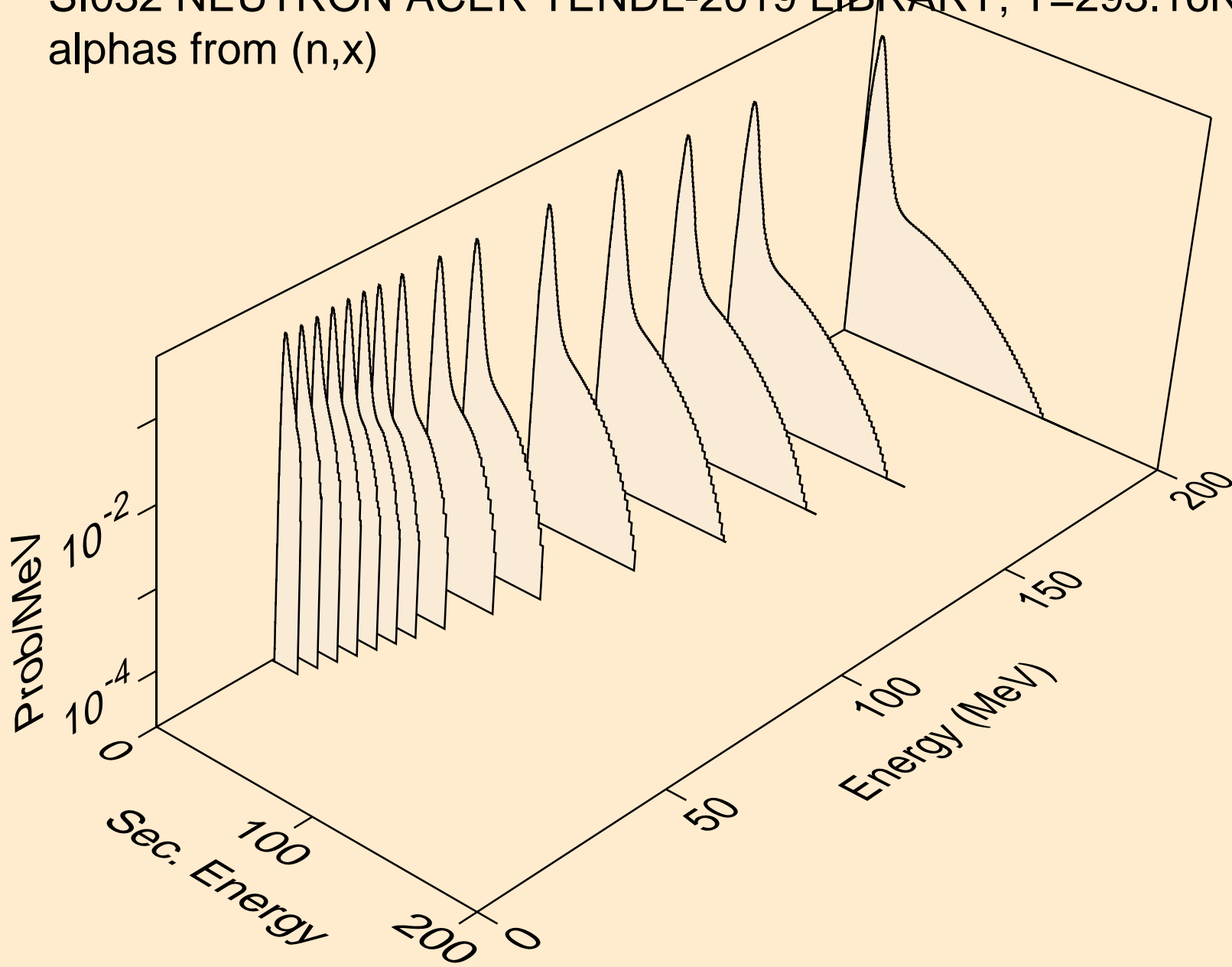




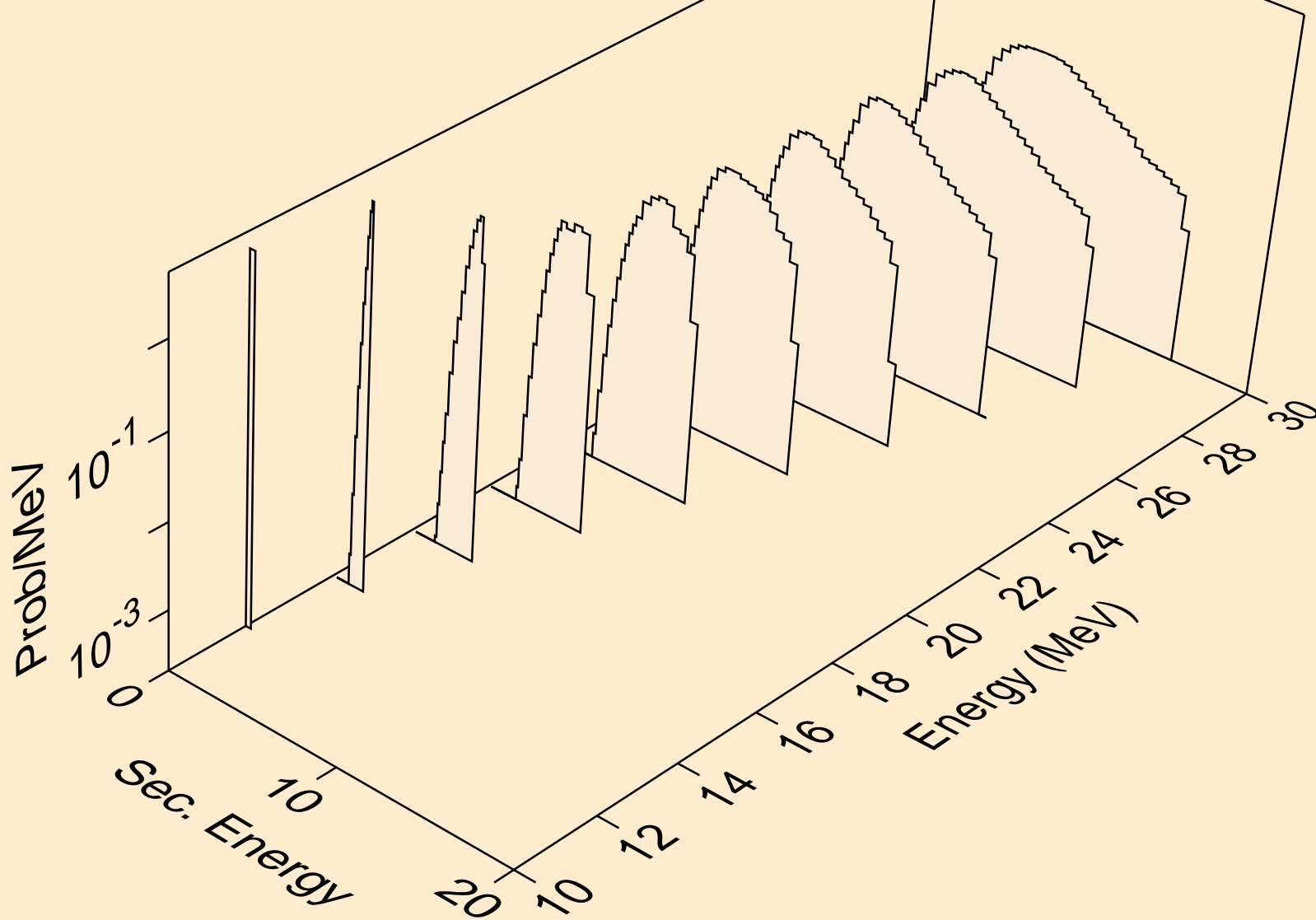
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he3s from (n,he3)



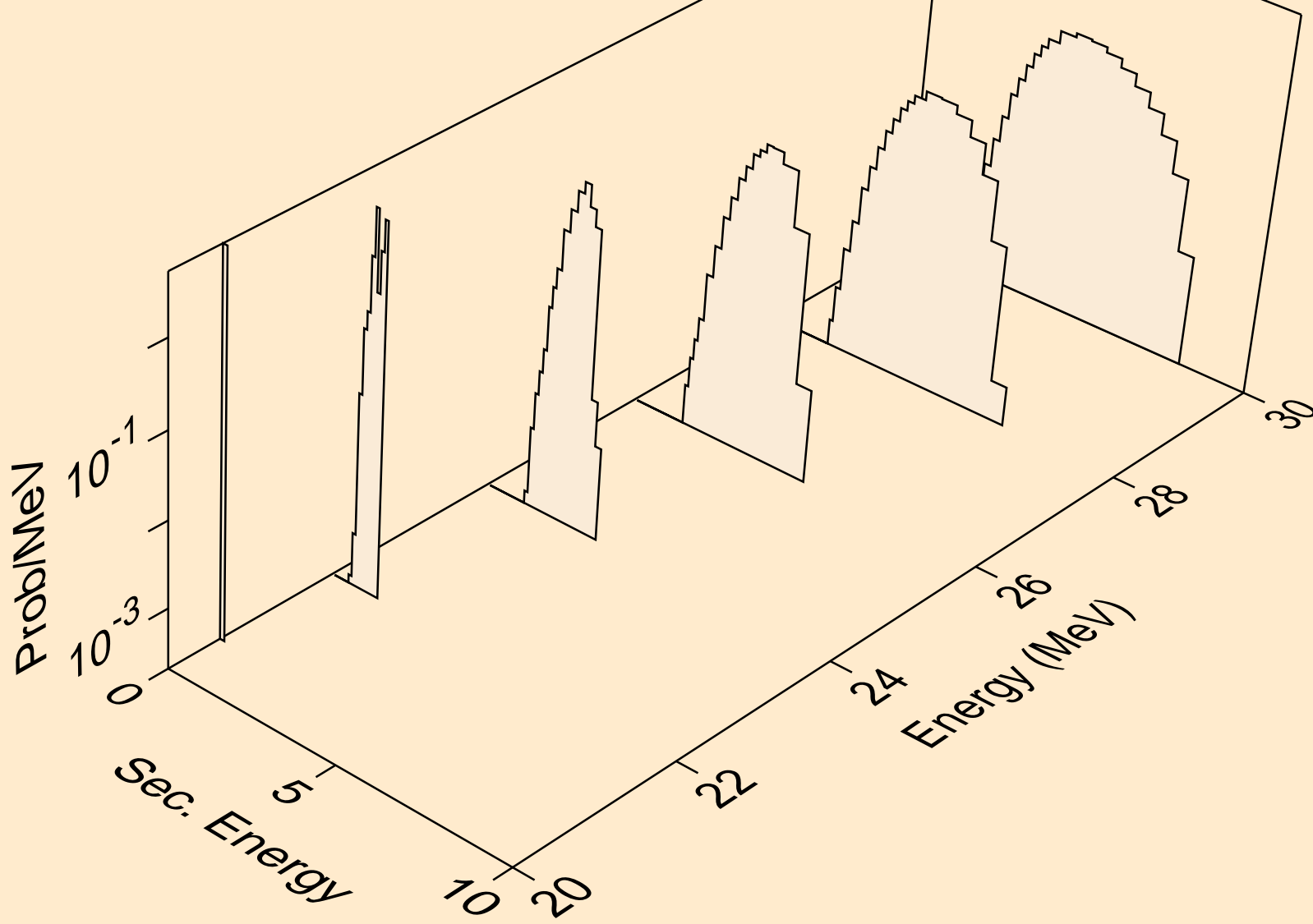
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



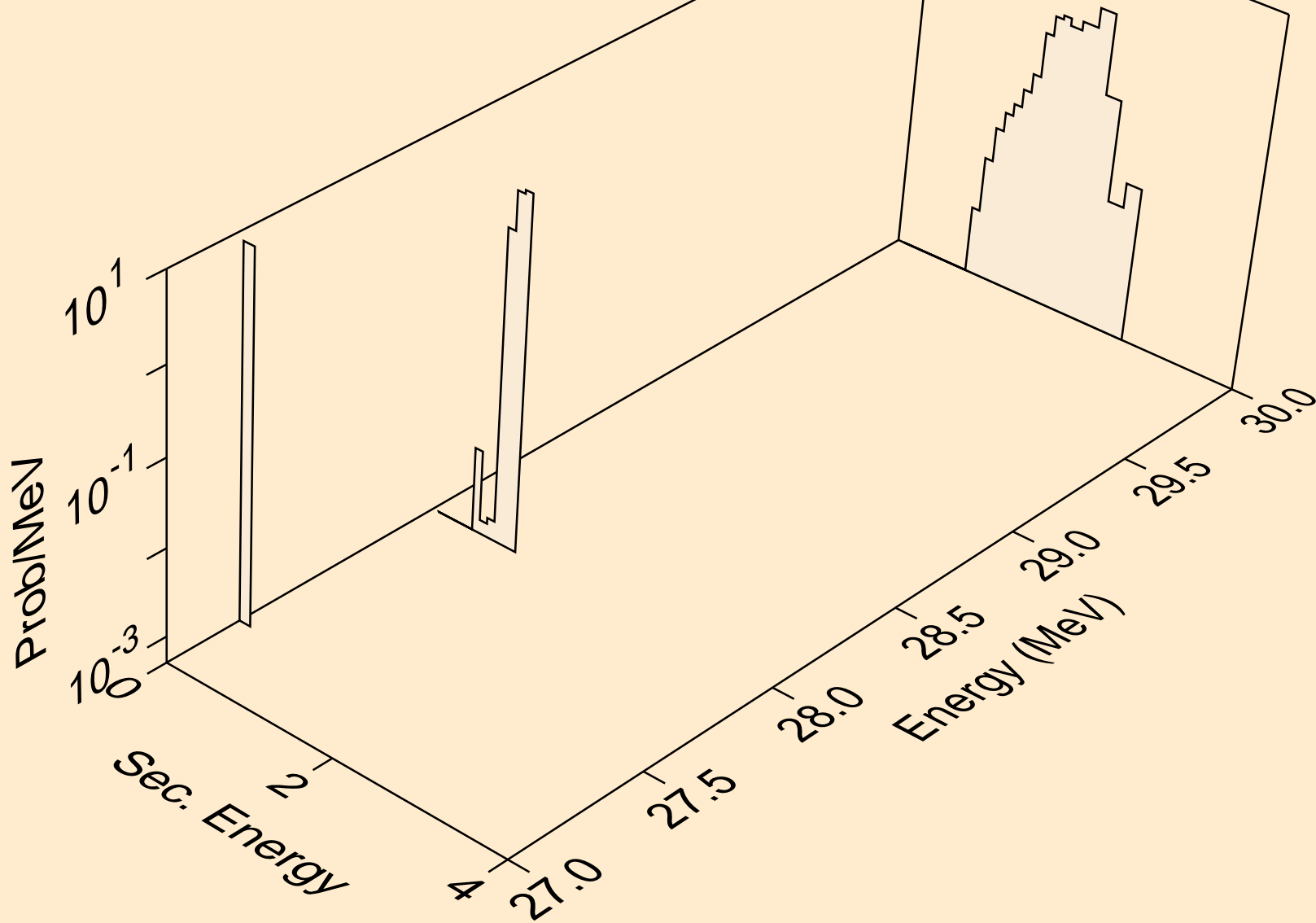
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alphas from (n,n\*)a



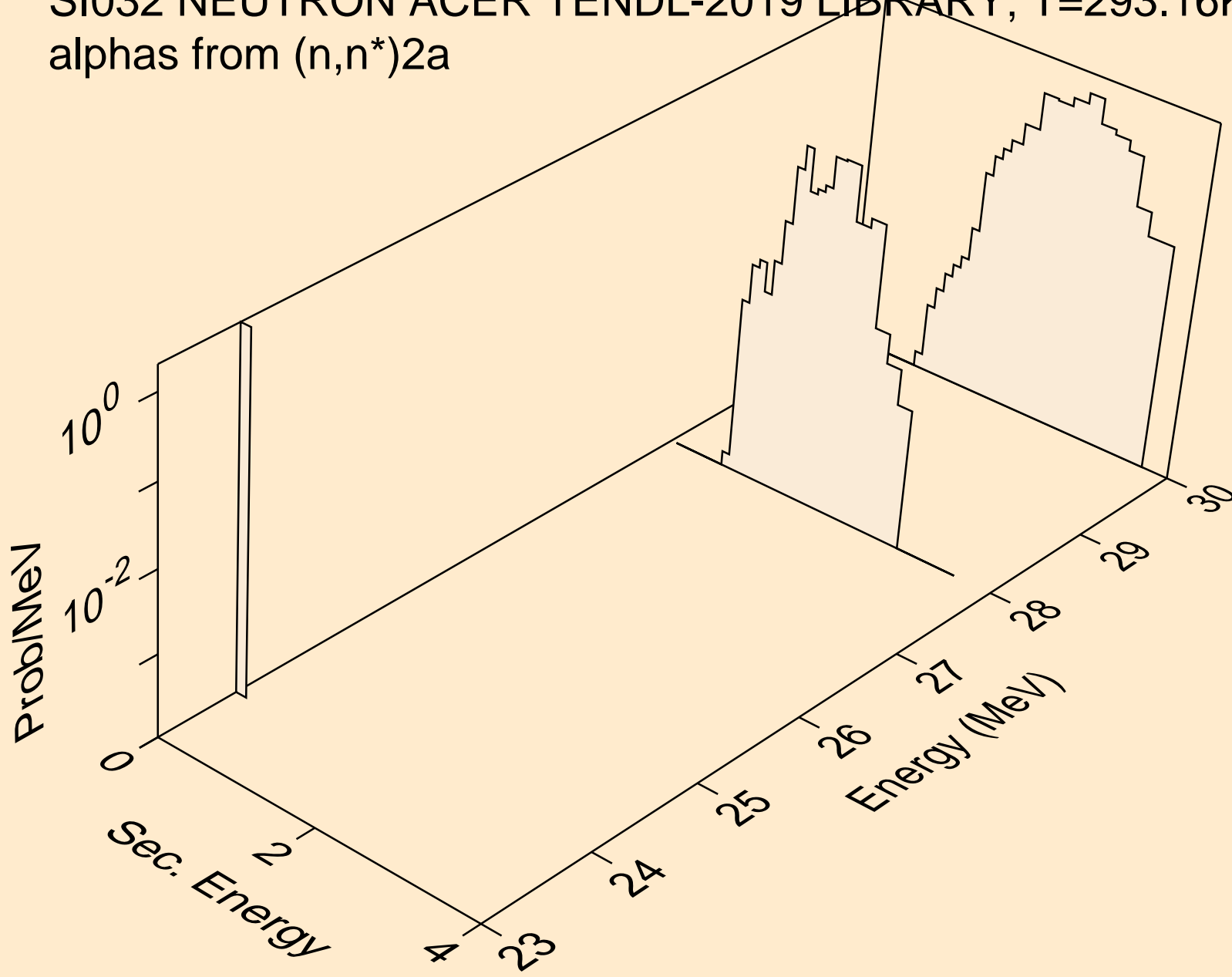
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alphas from (n,2n)a



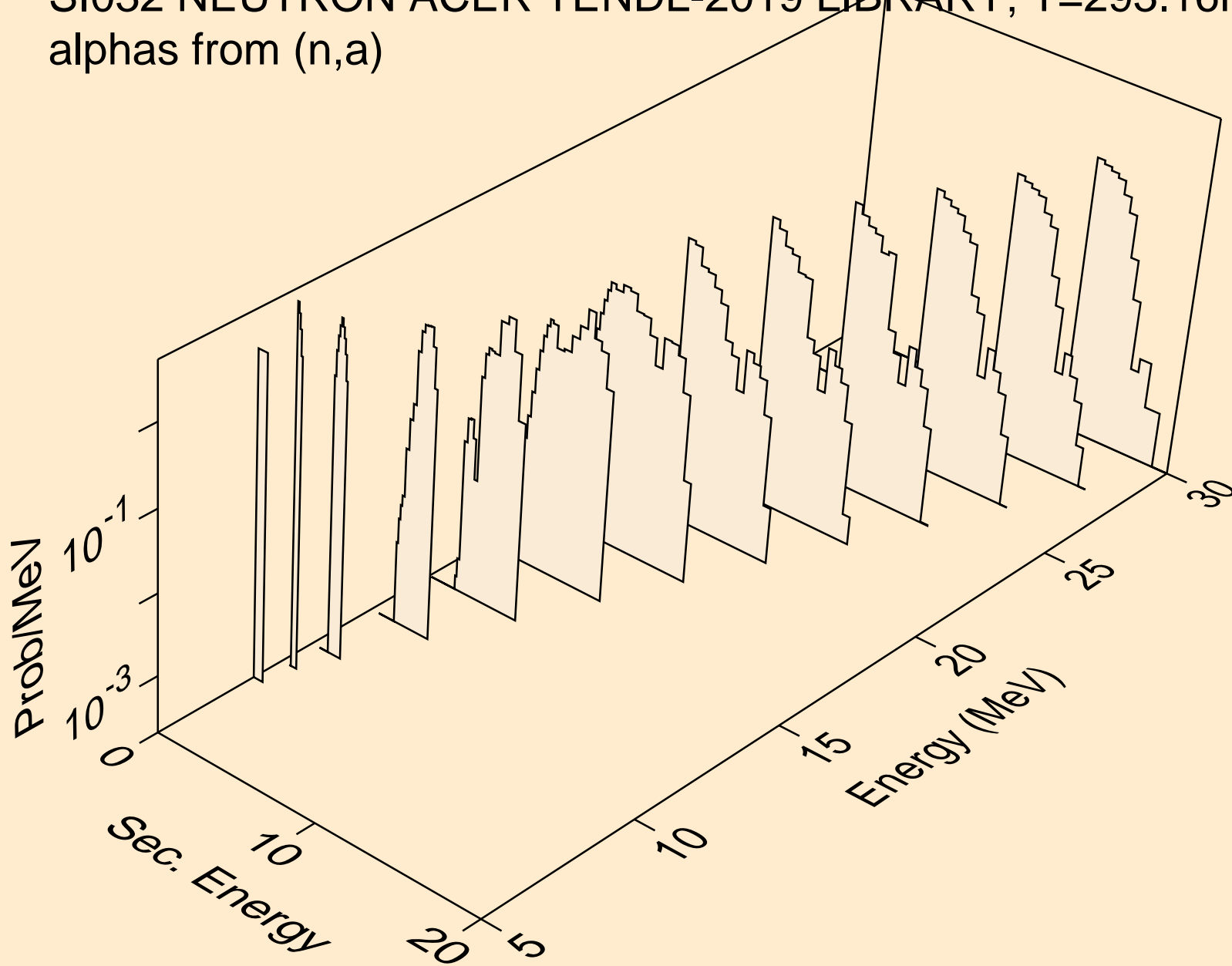
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alphas from (n,3n)a



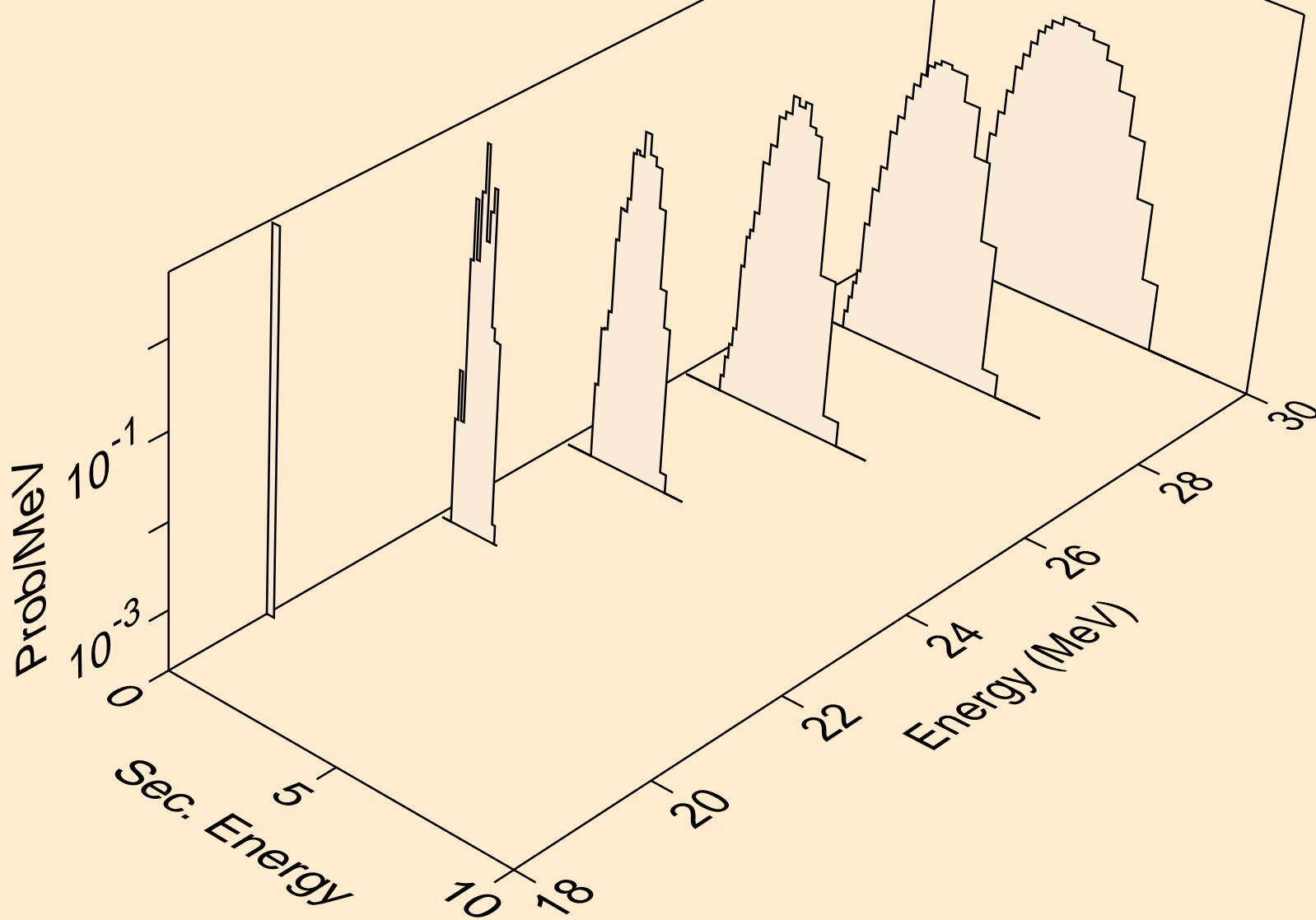
SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





SI032 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

