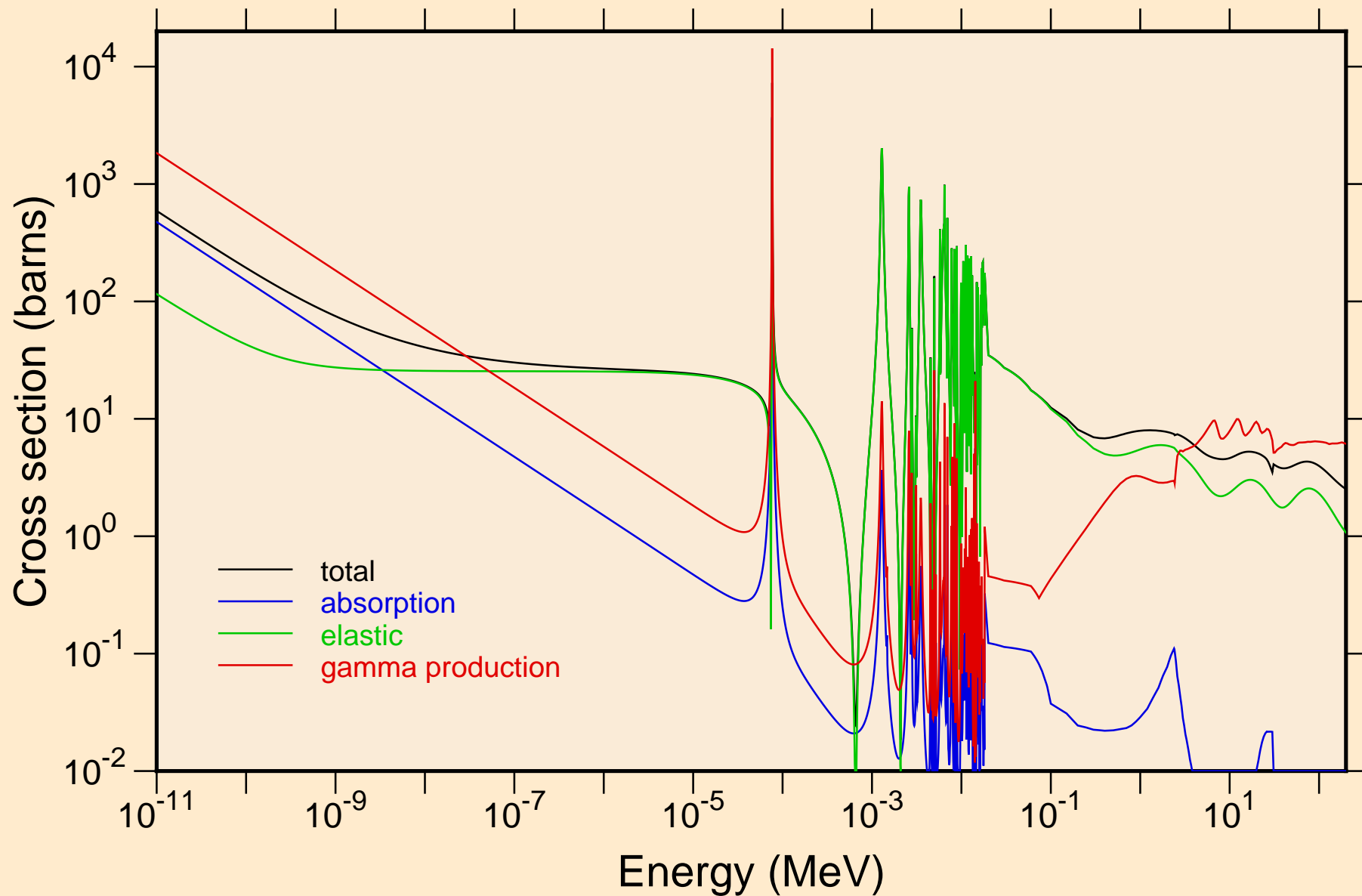
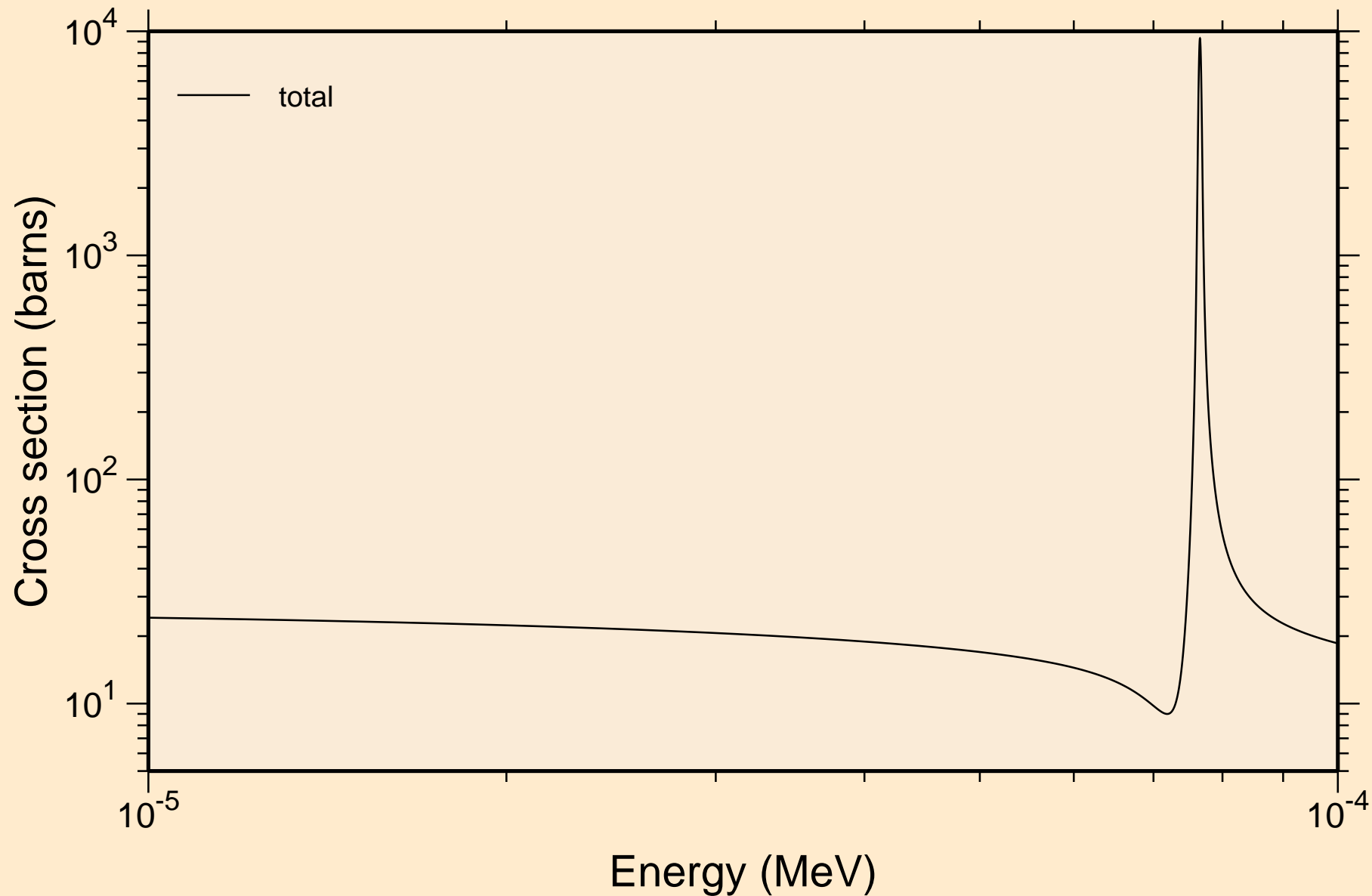


# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

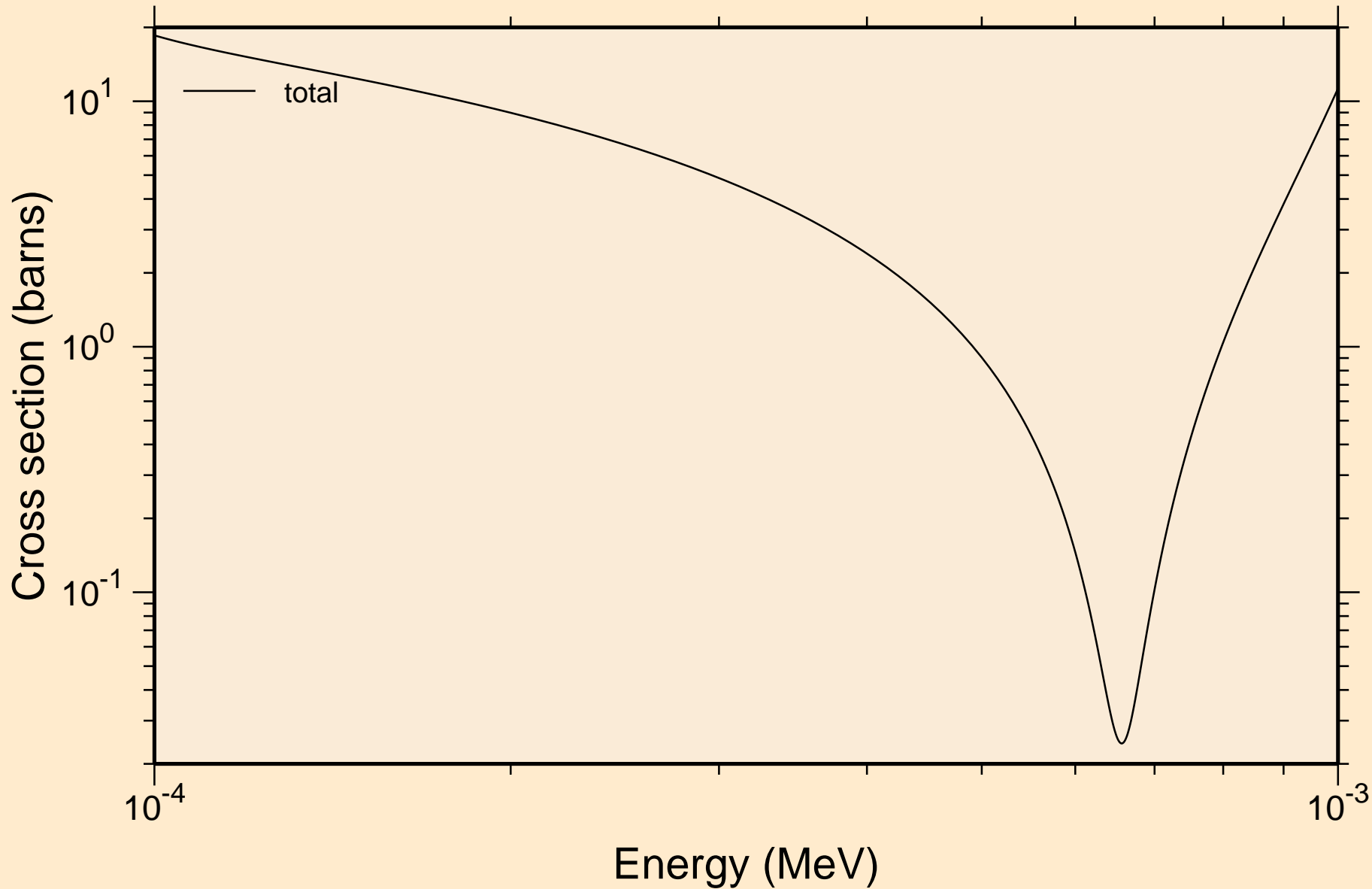
## Principal cross sections



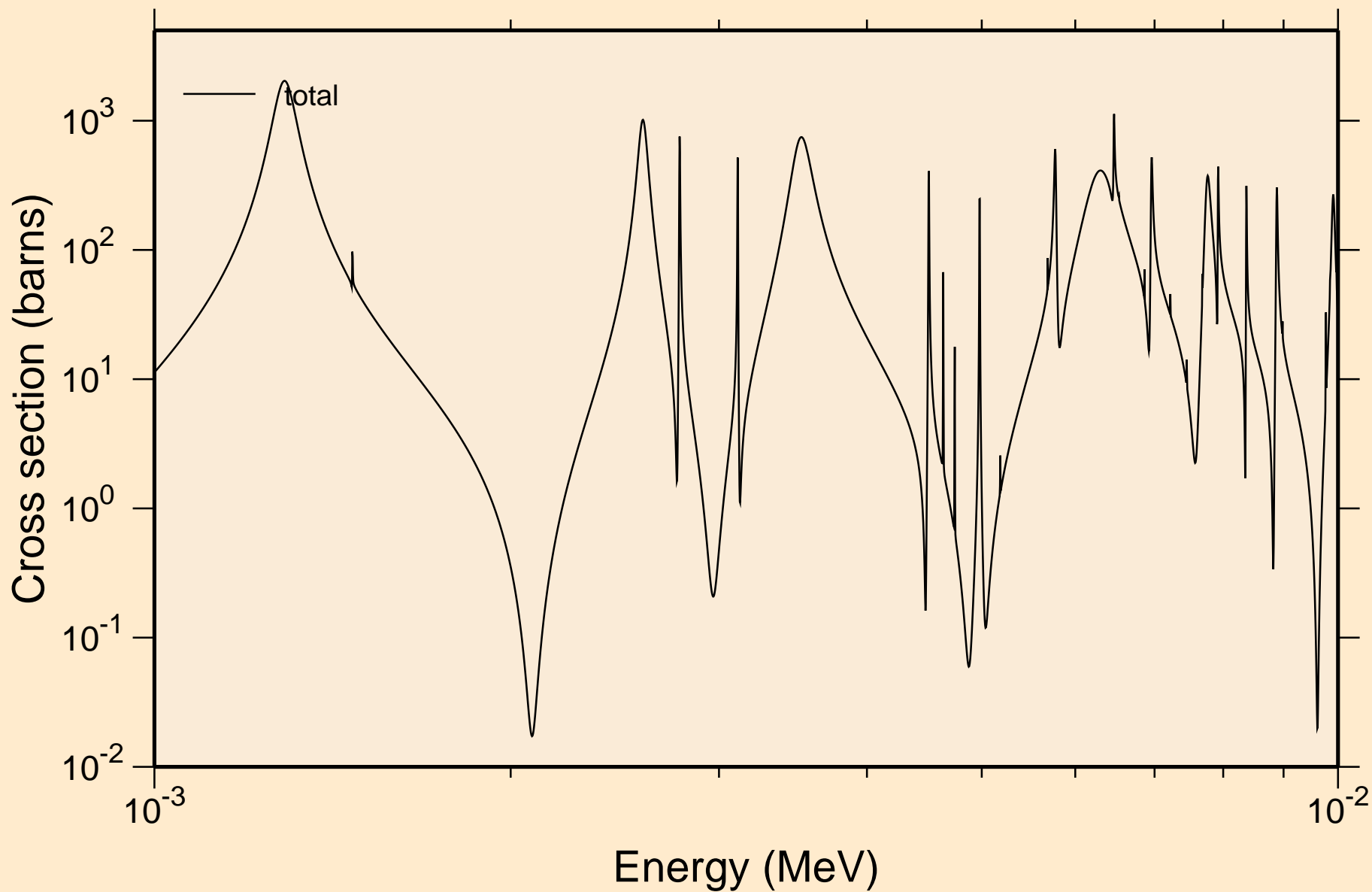
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



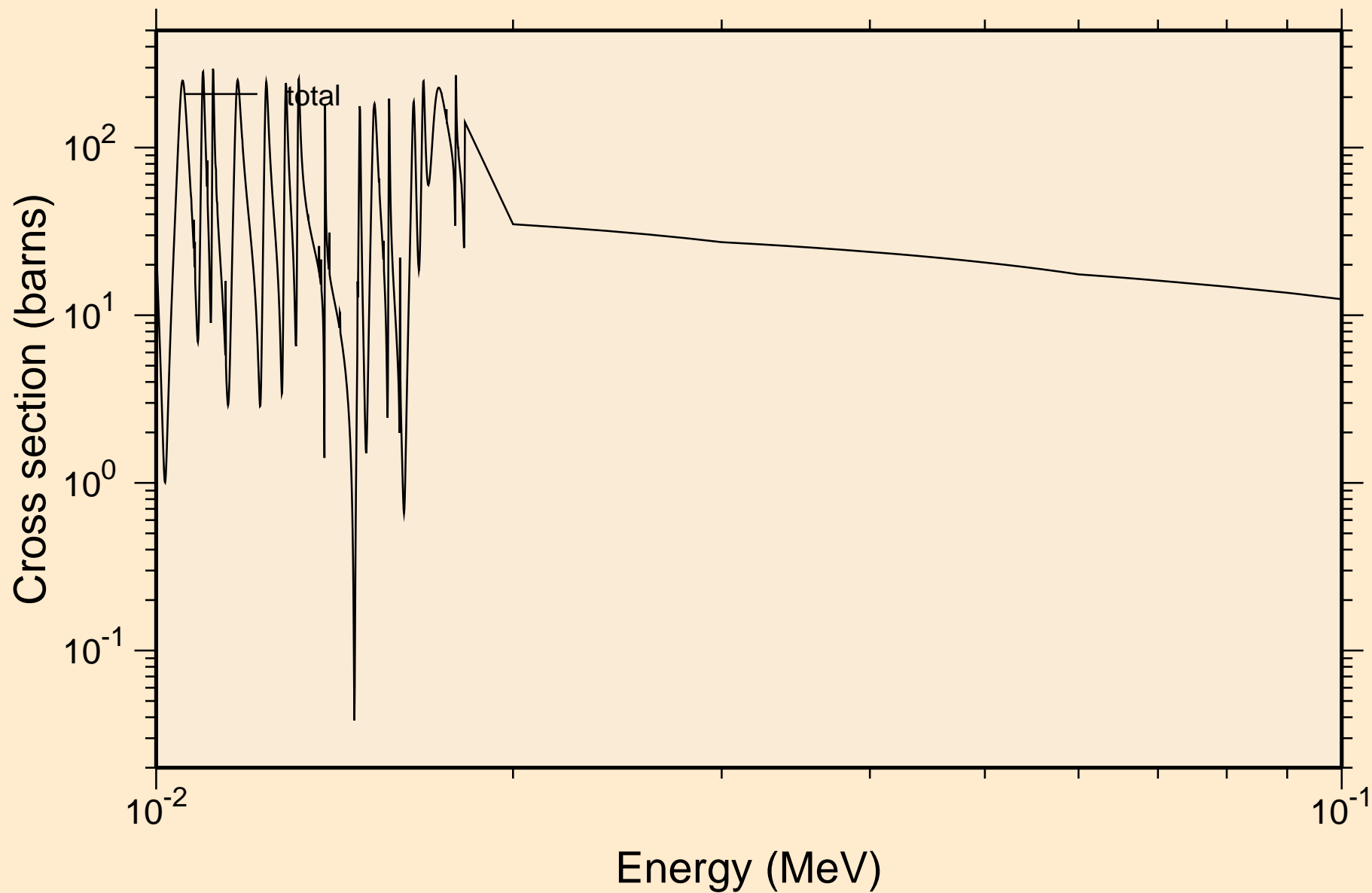
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



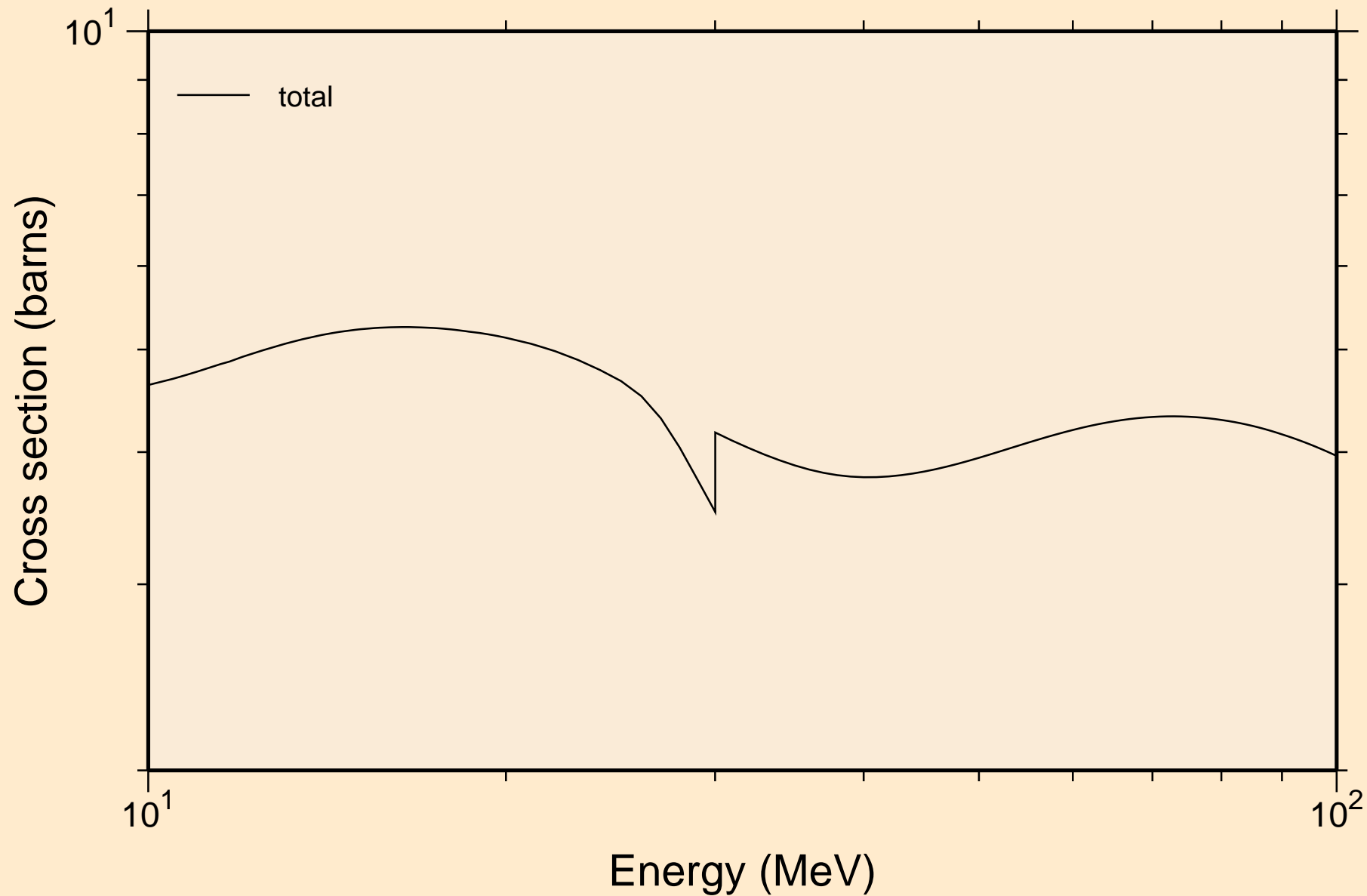
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resonance total cross section



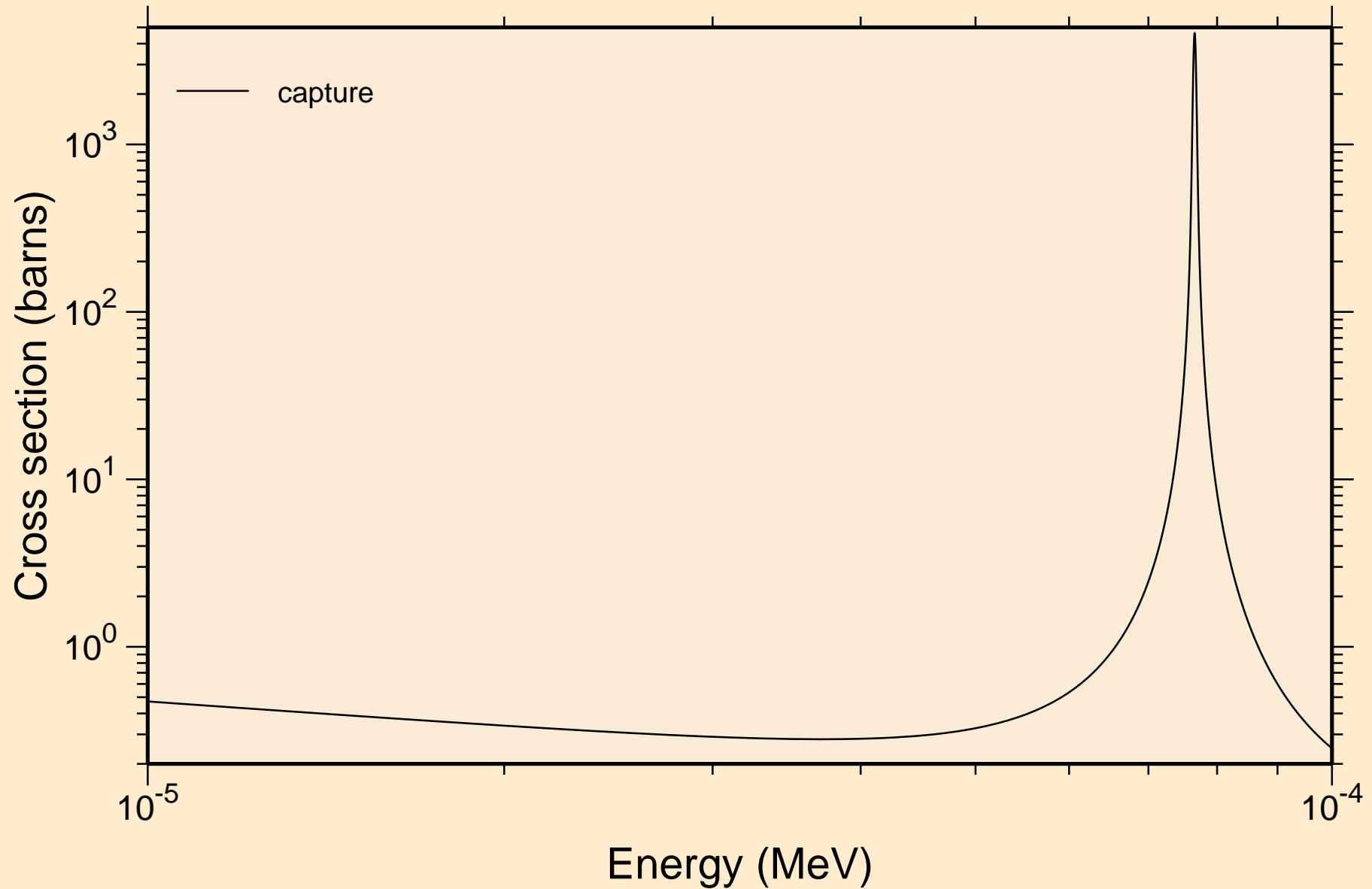
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



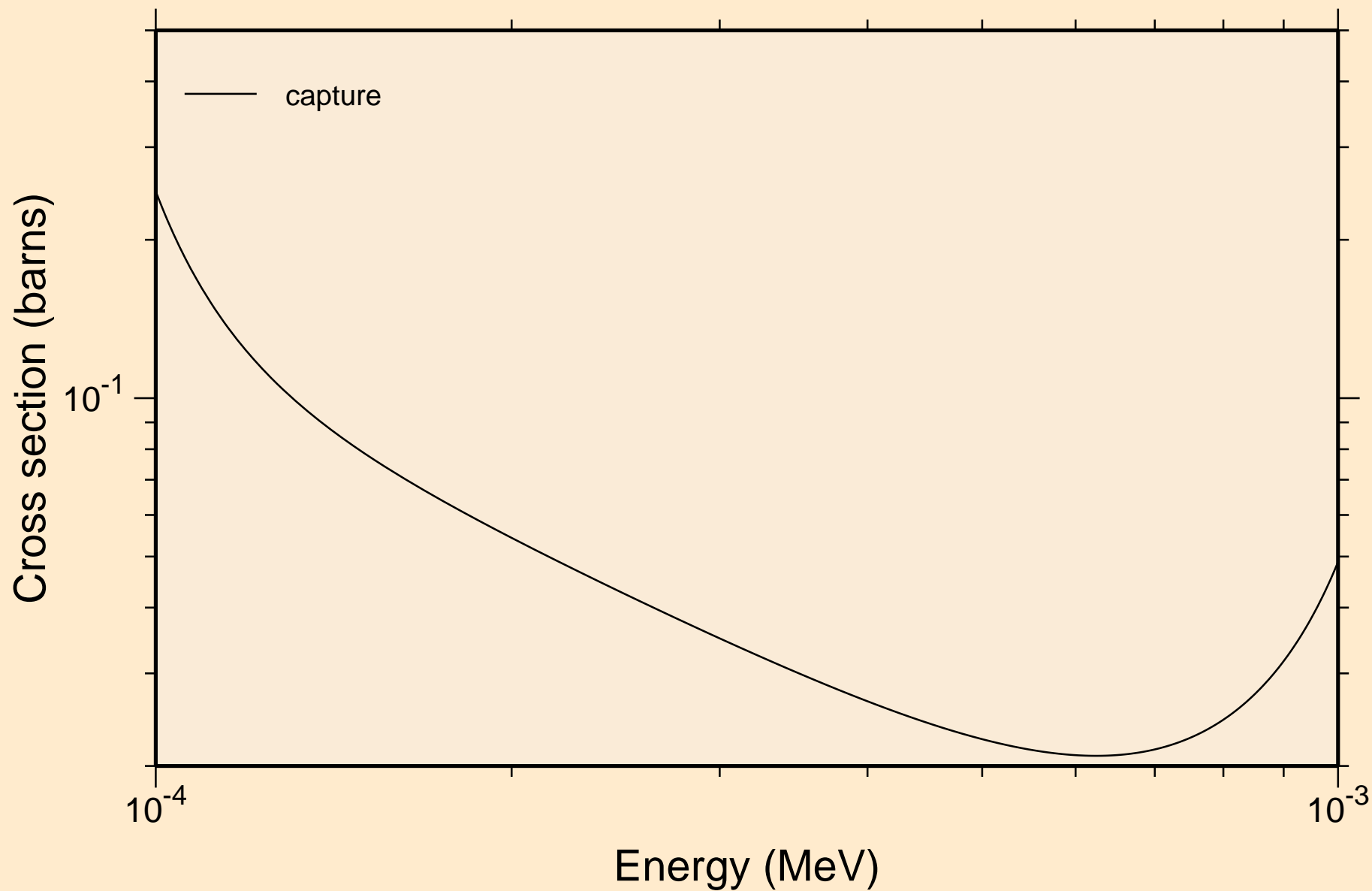
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

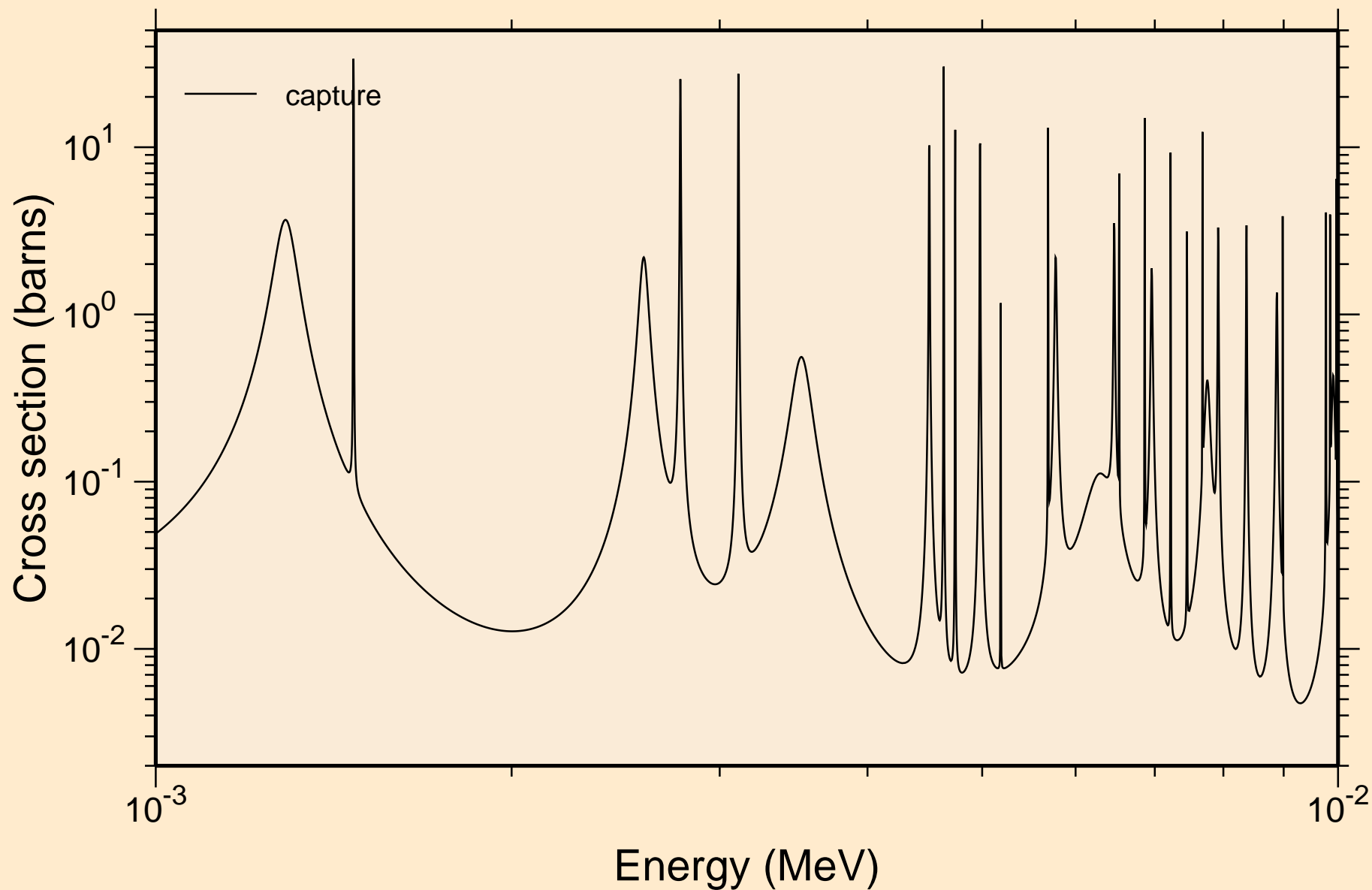


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

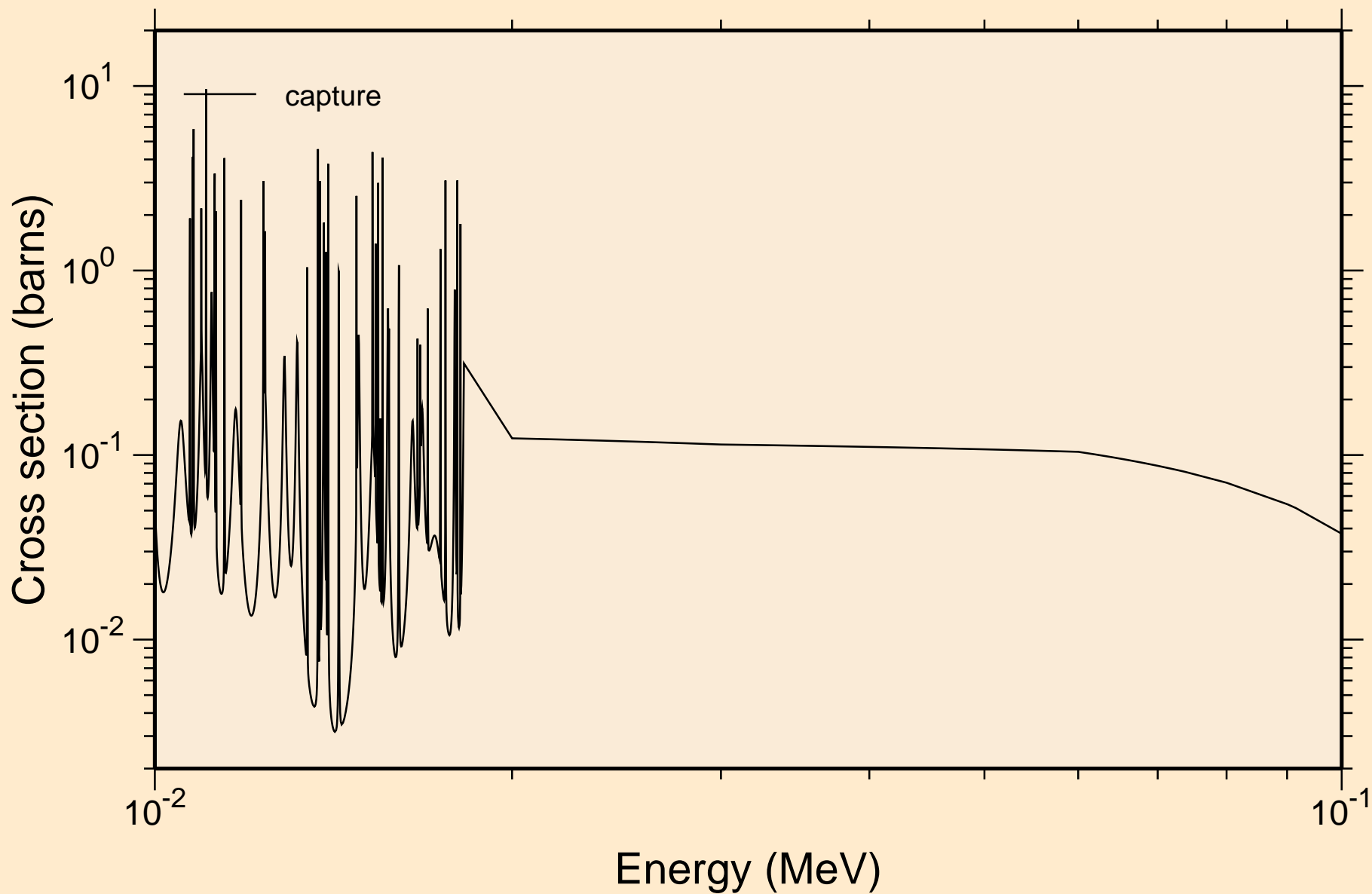




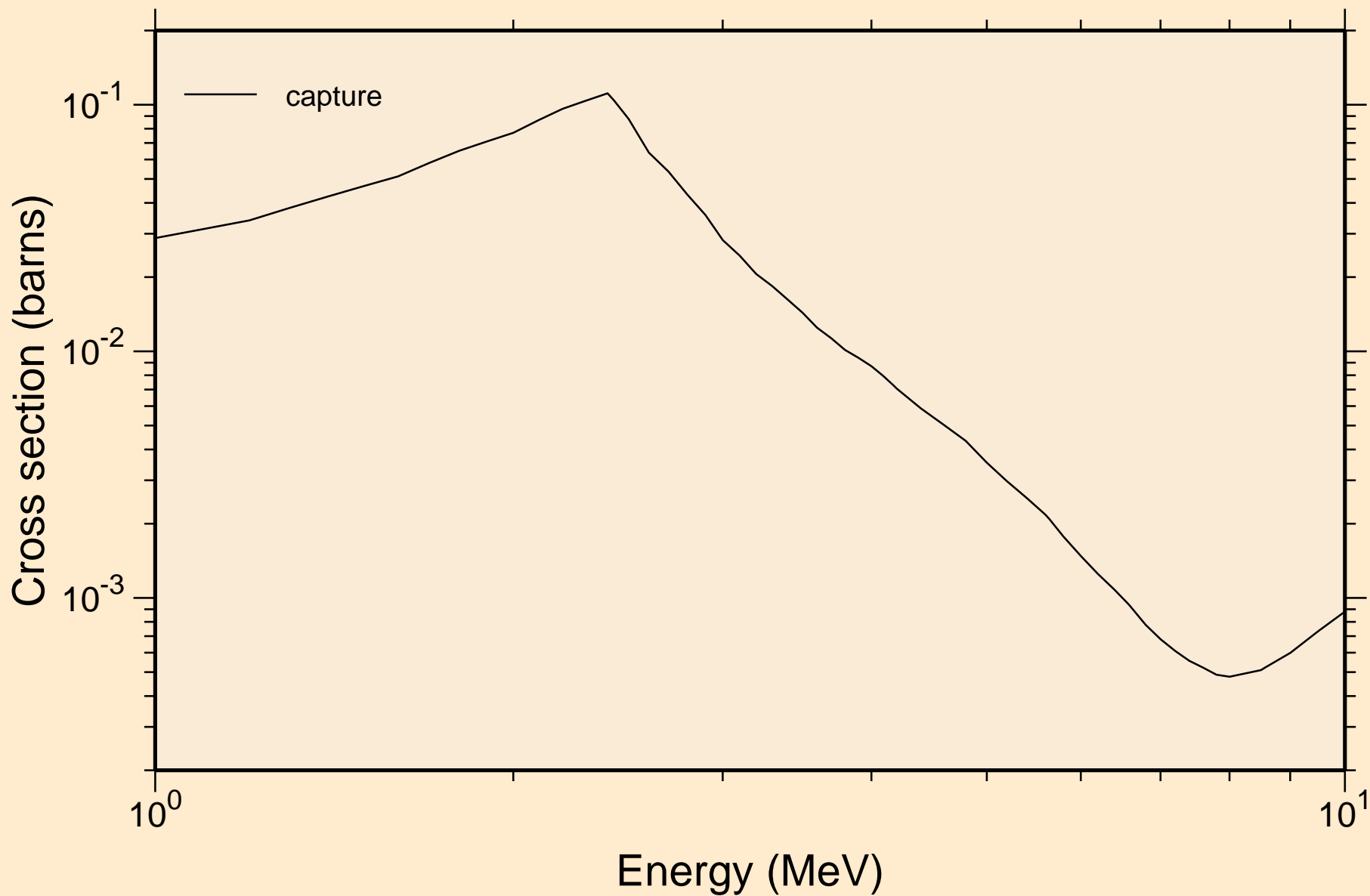
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



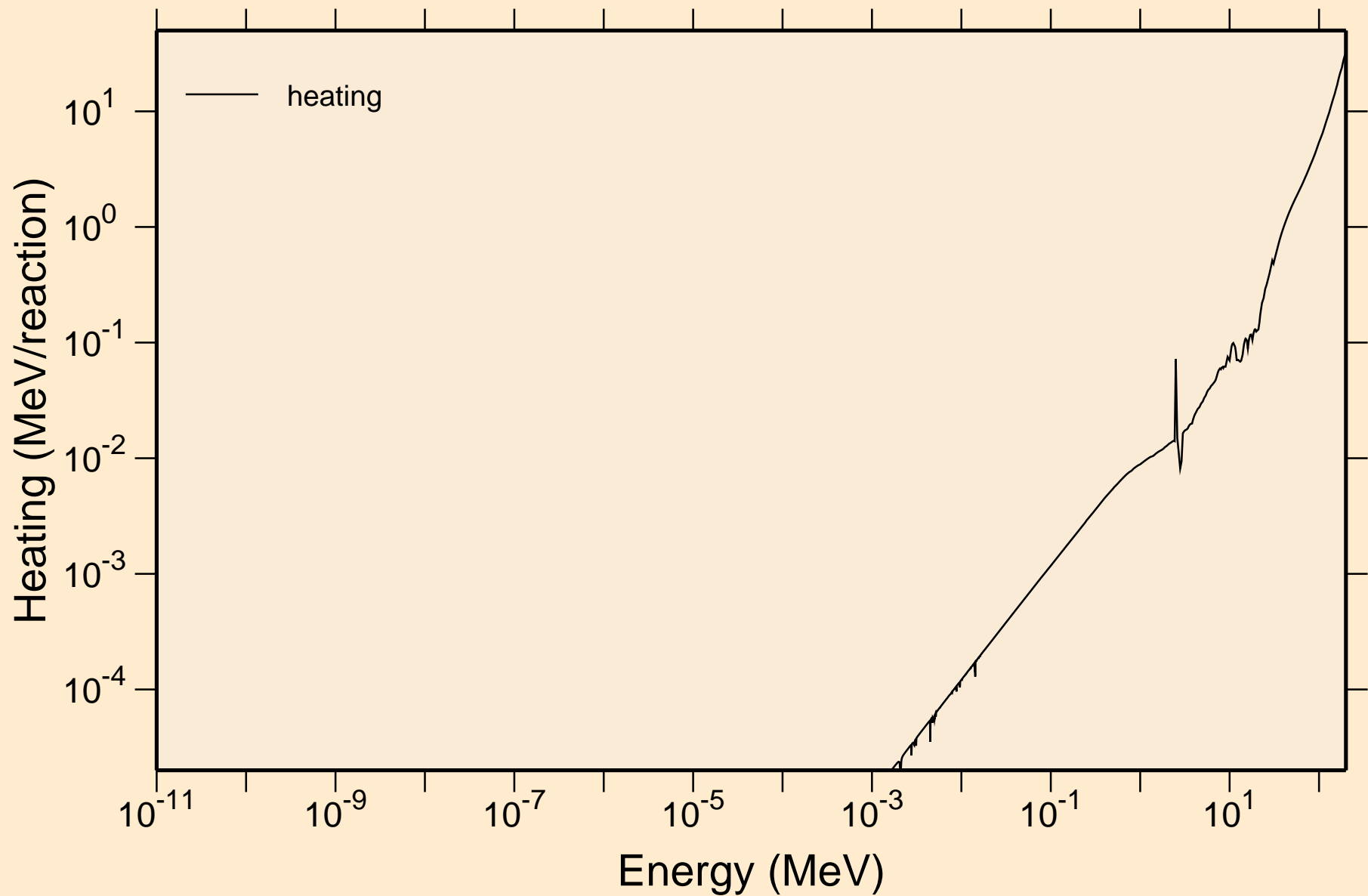
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



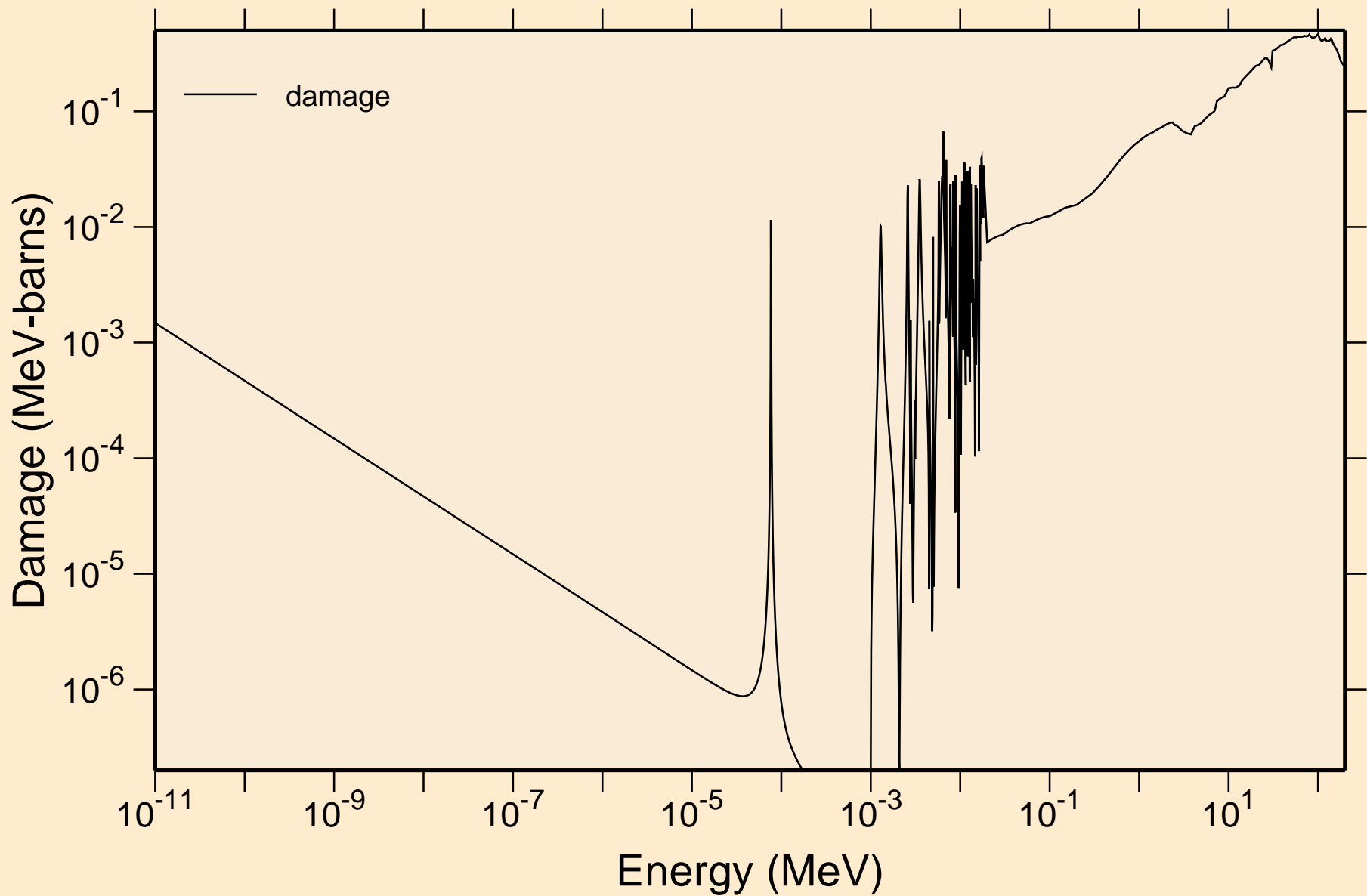
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



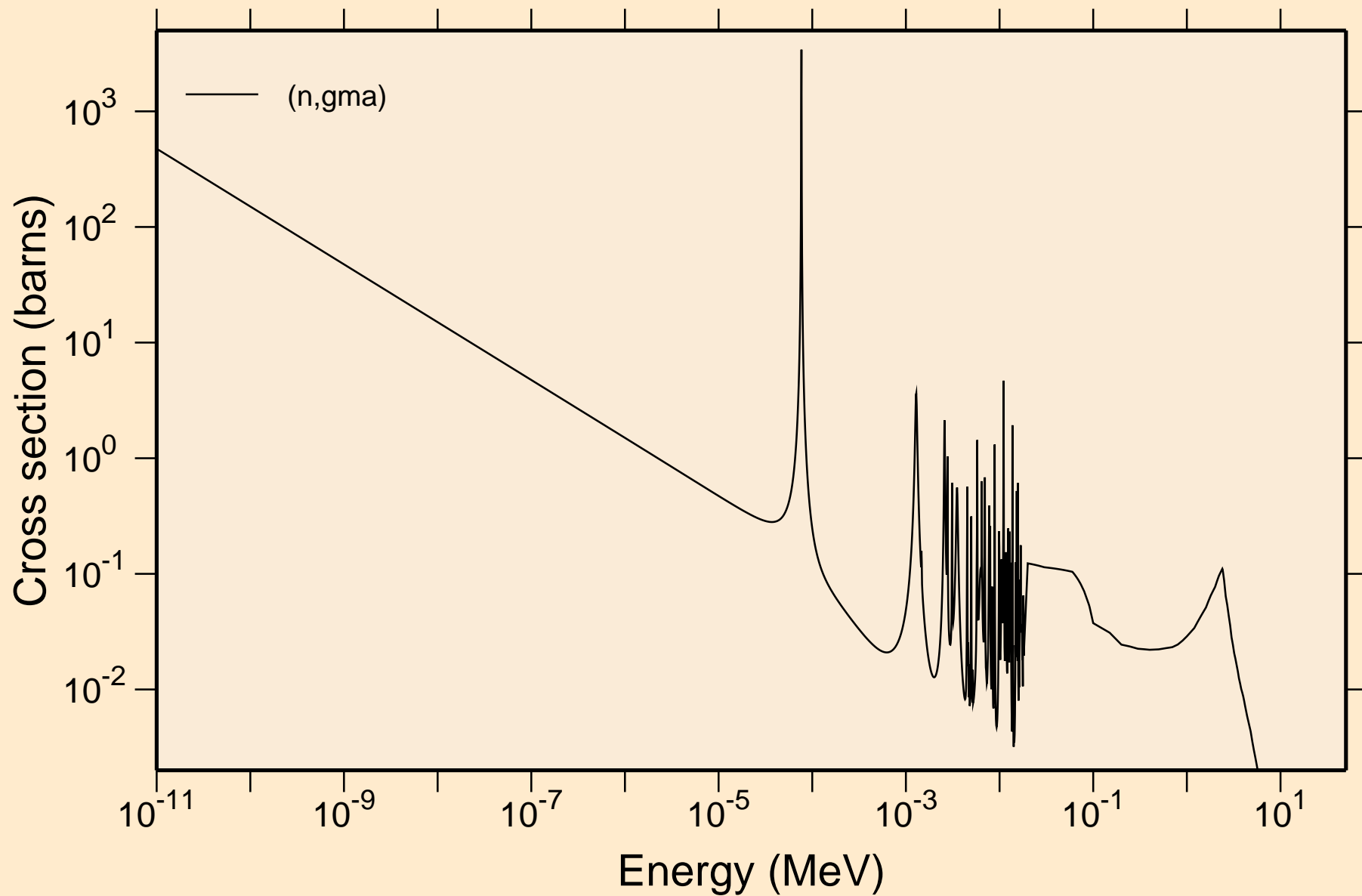
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



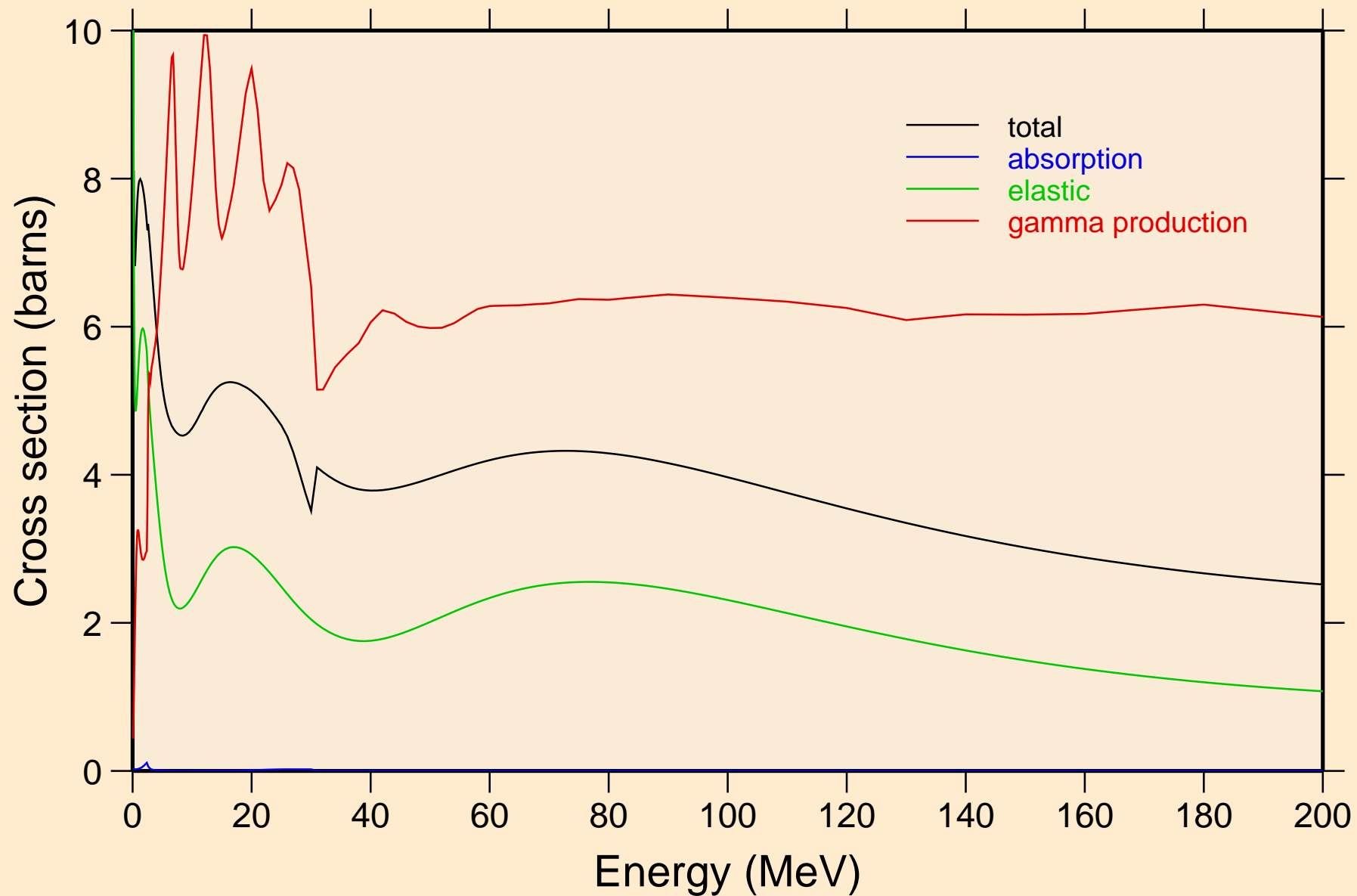
# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



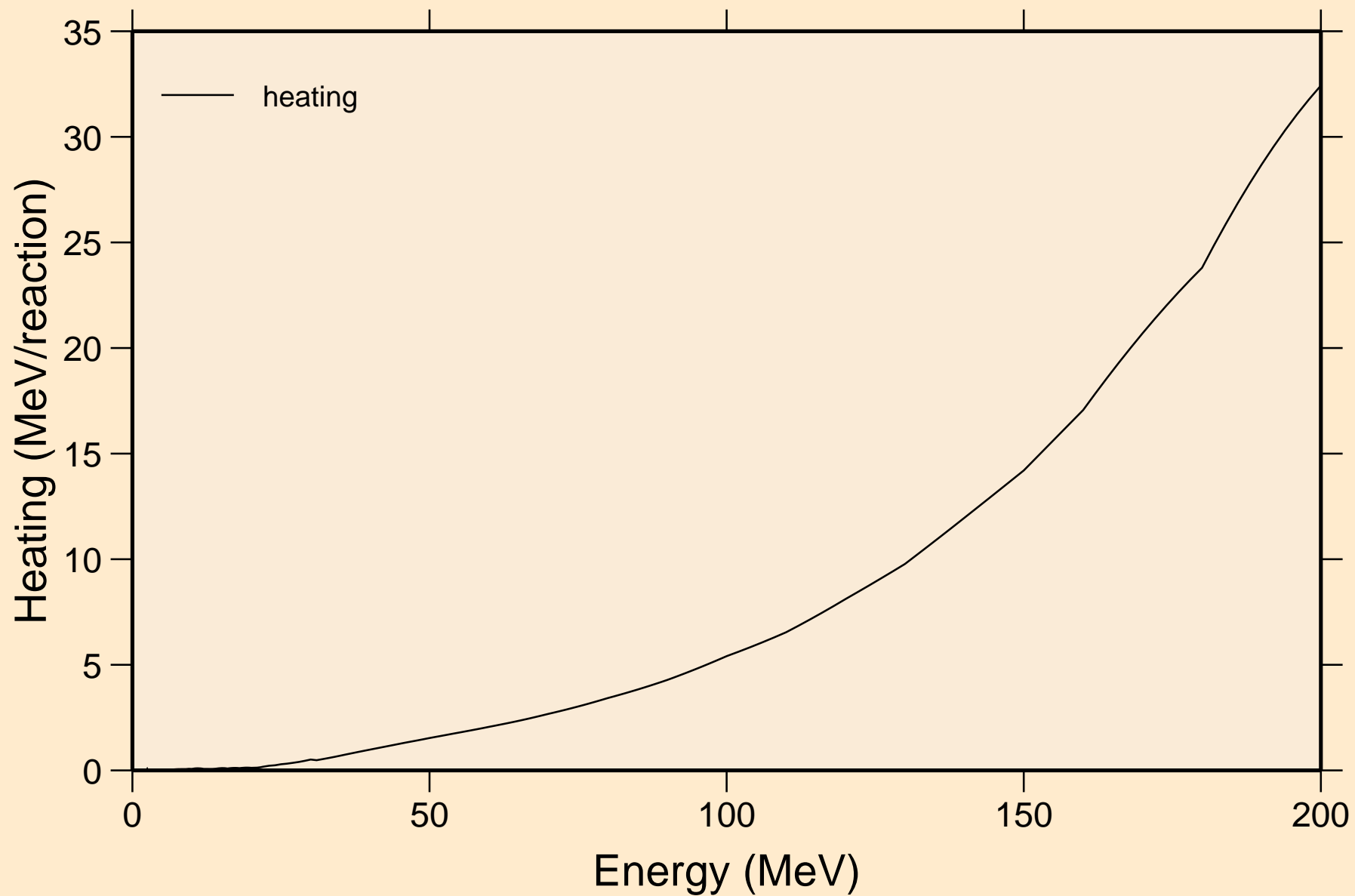
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

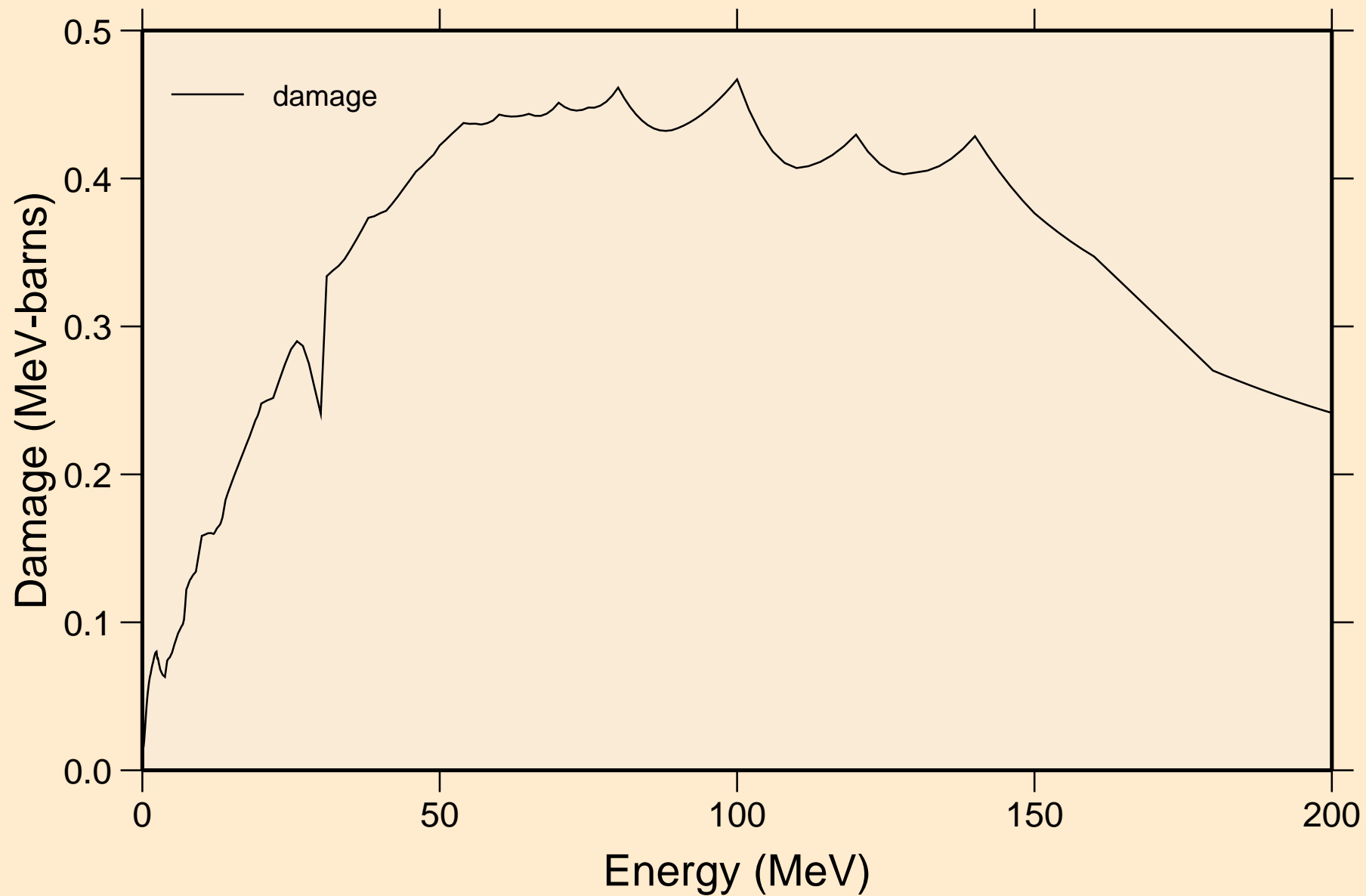


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

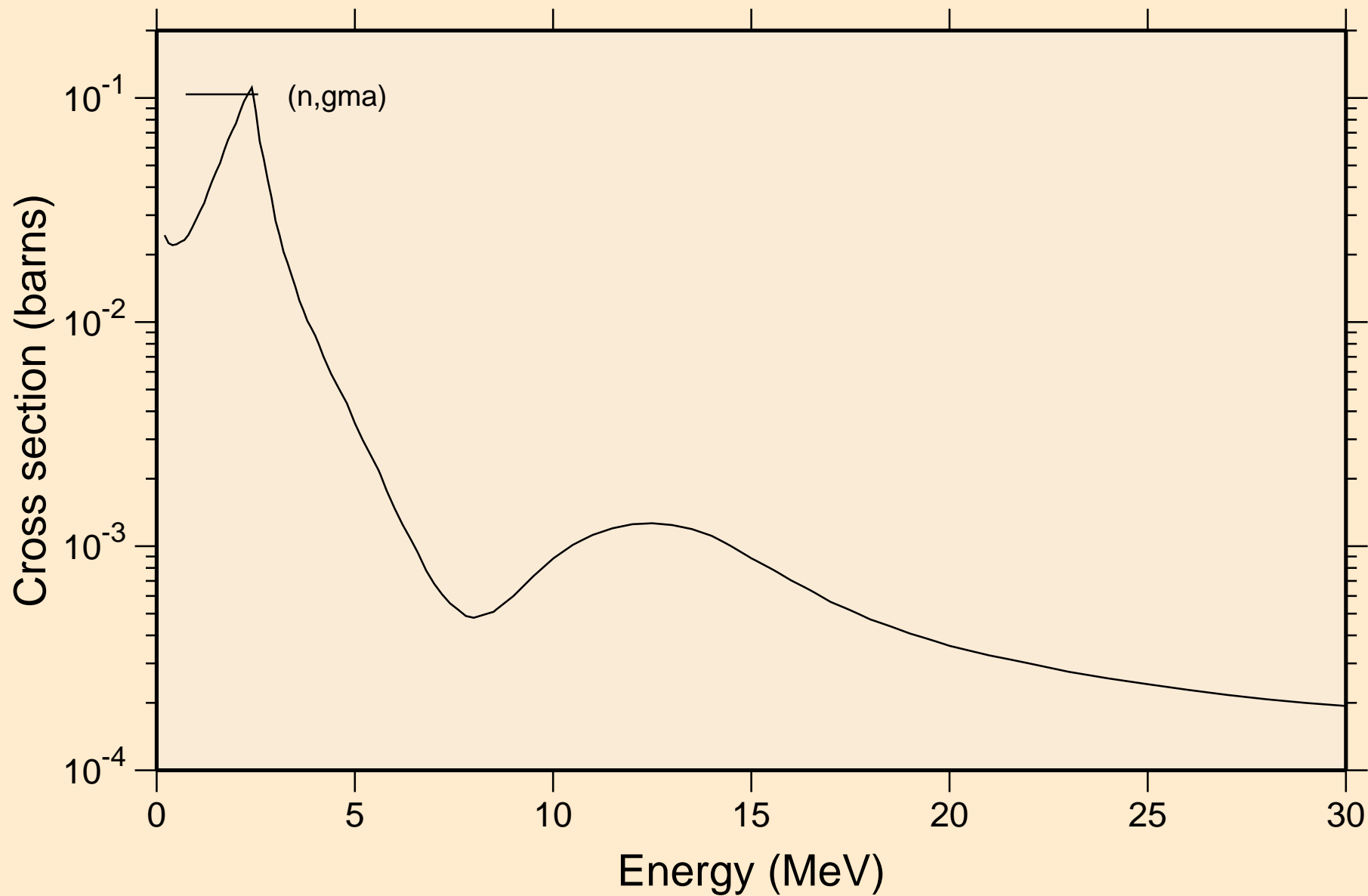




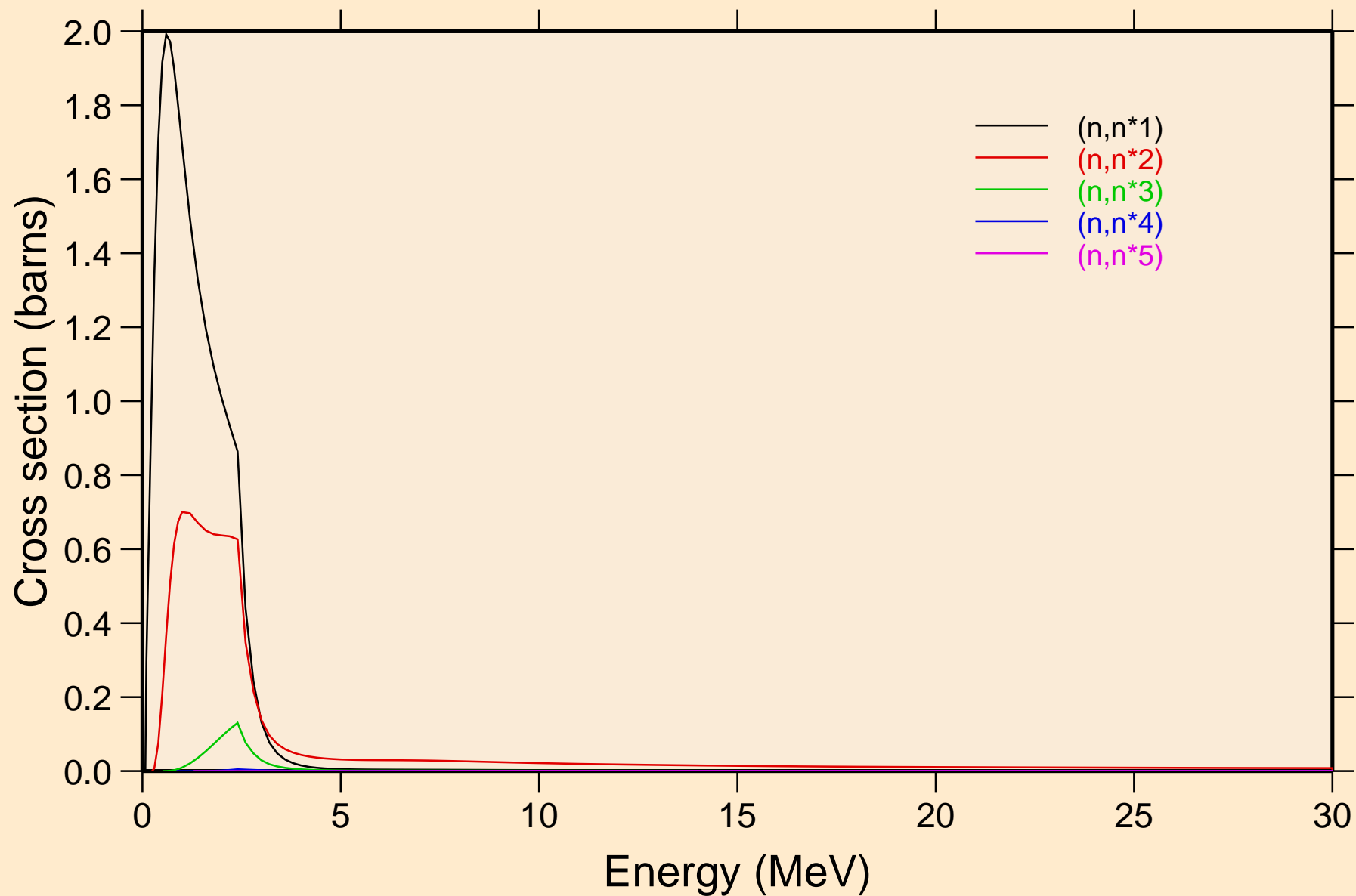
# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



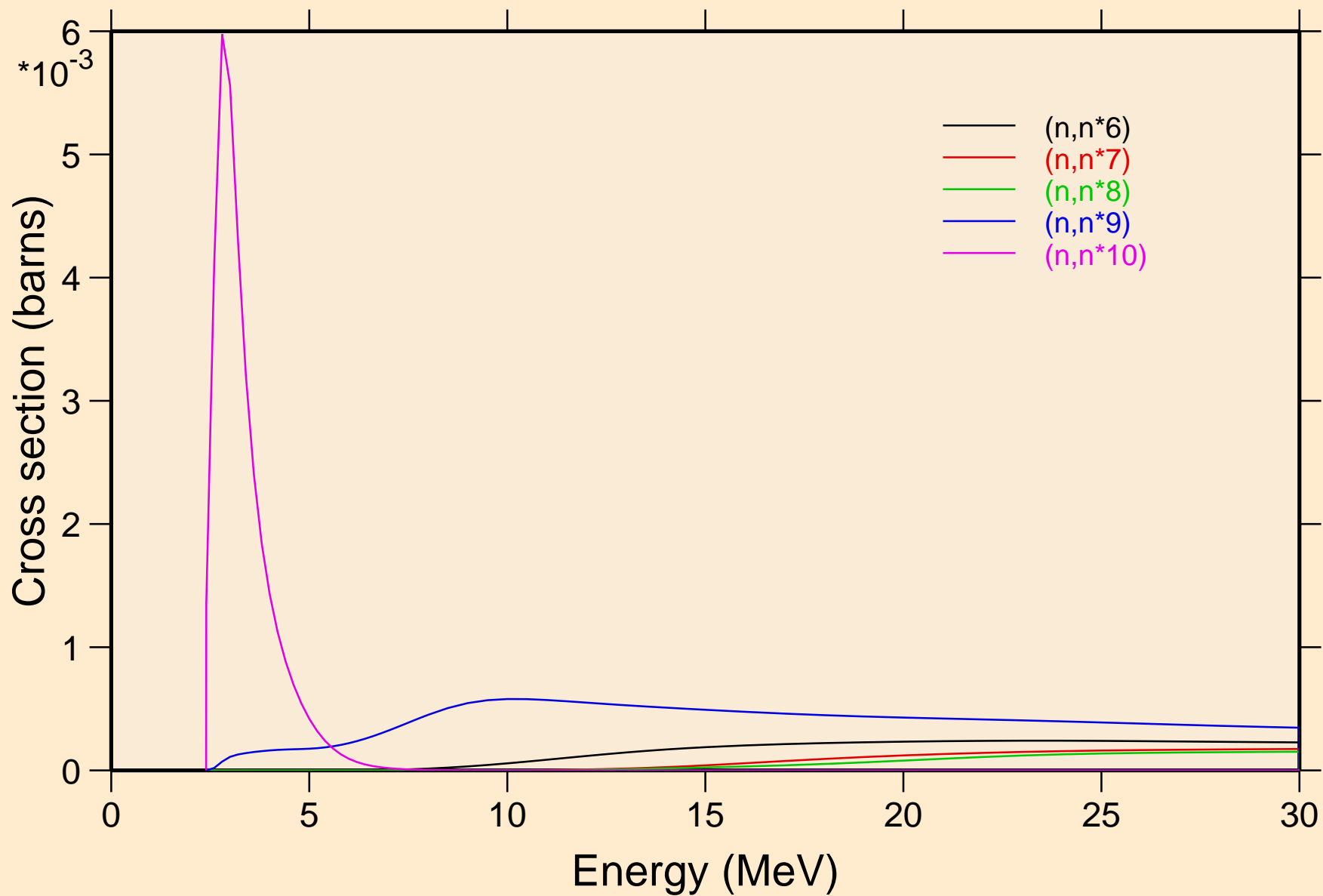
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



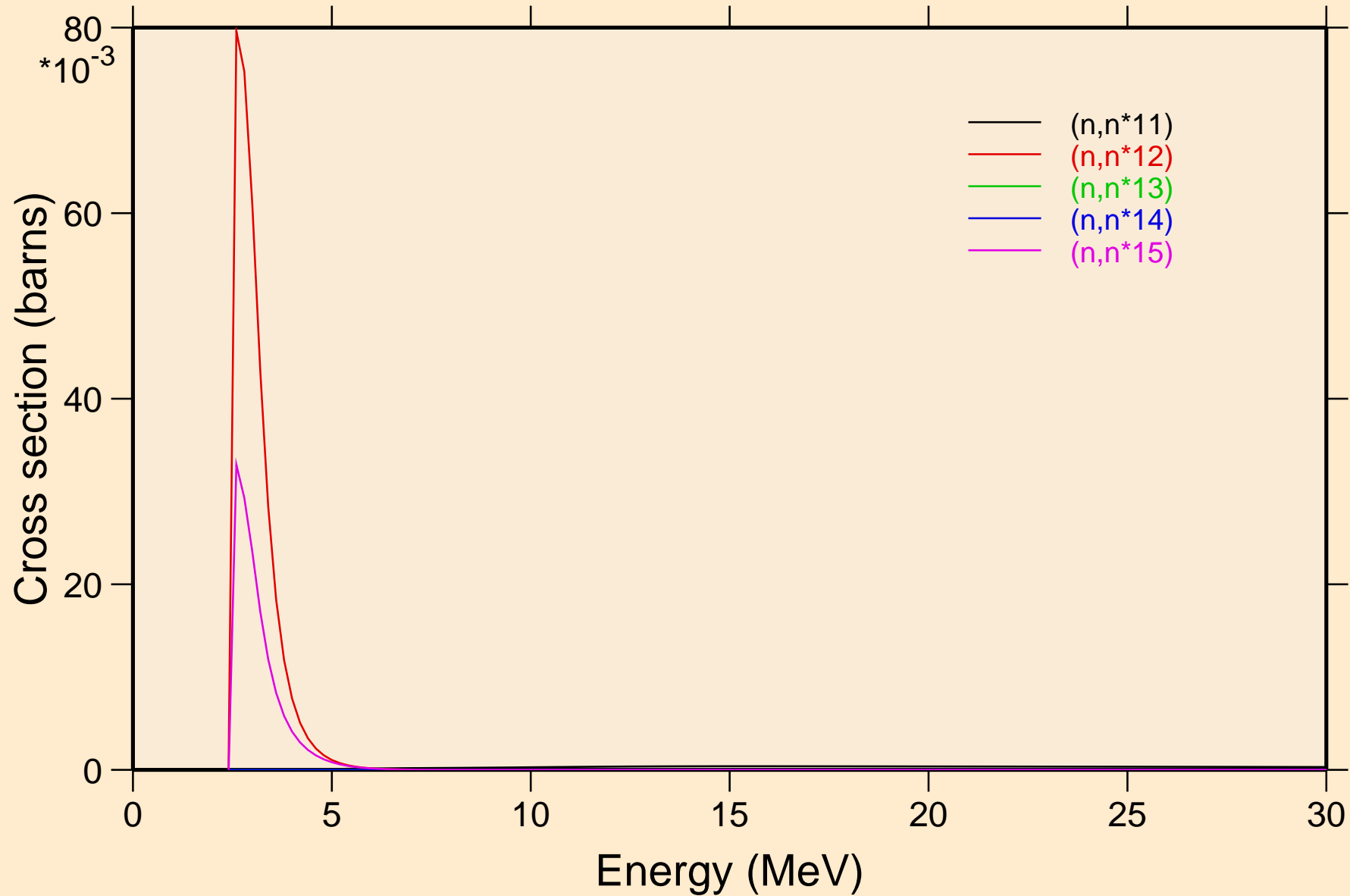
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



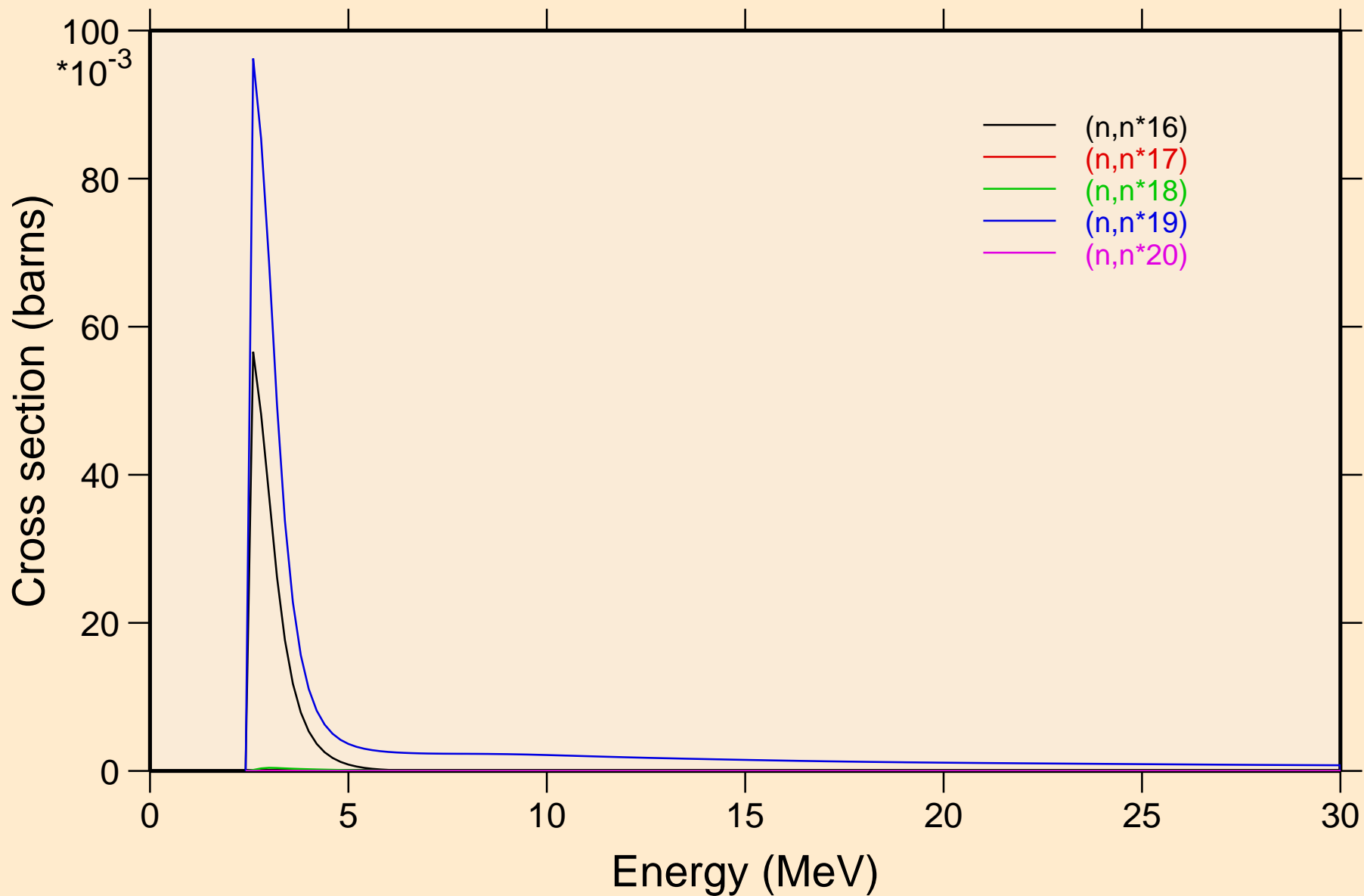
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



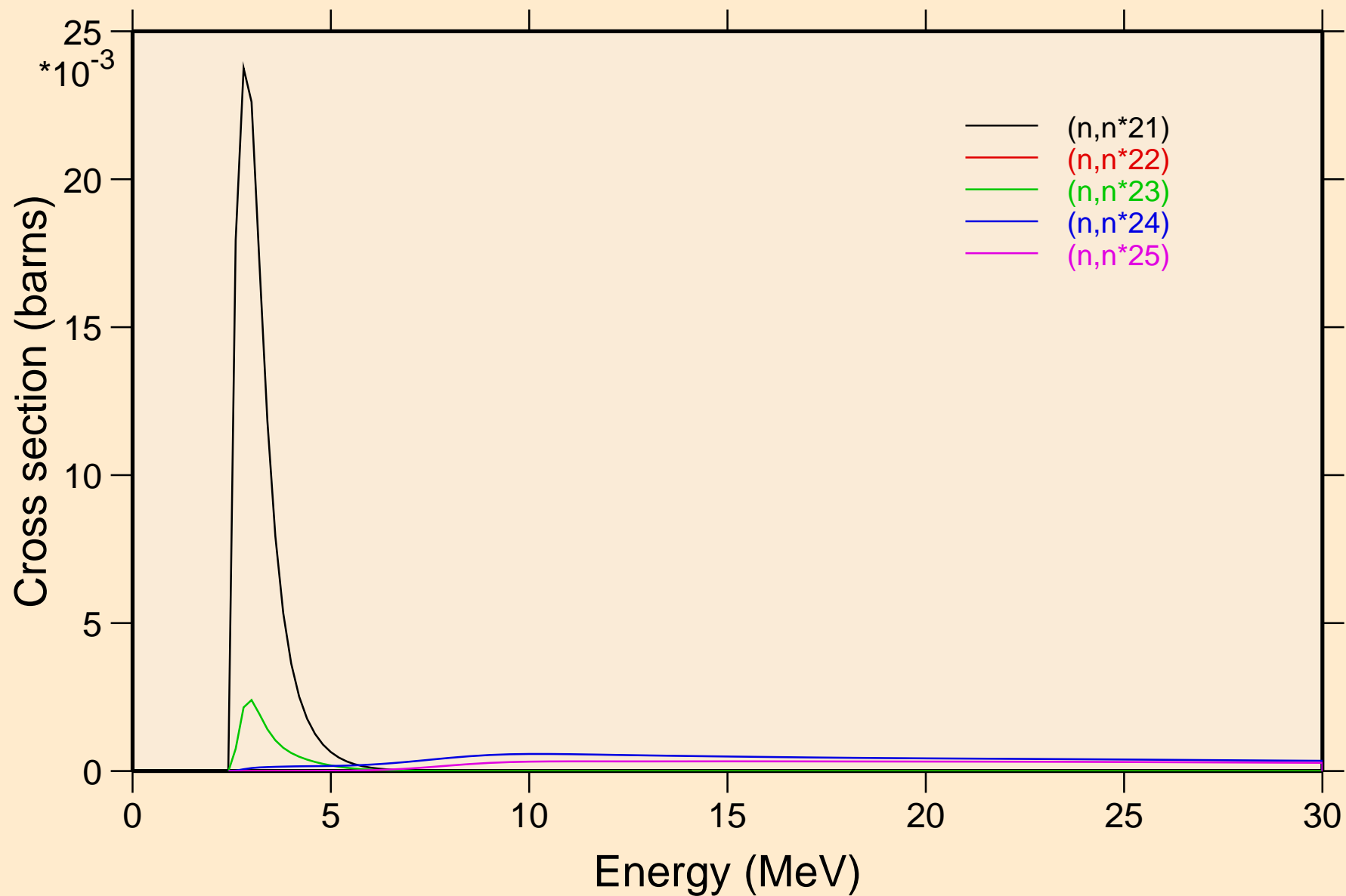
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



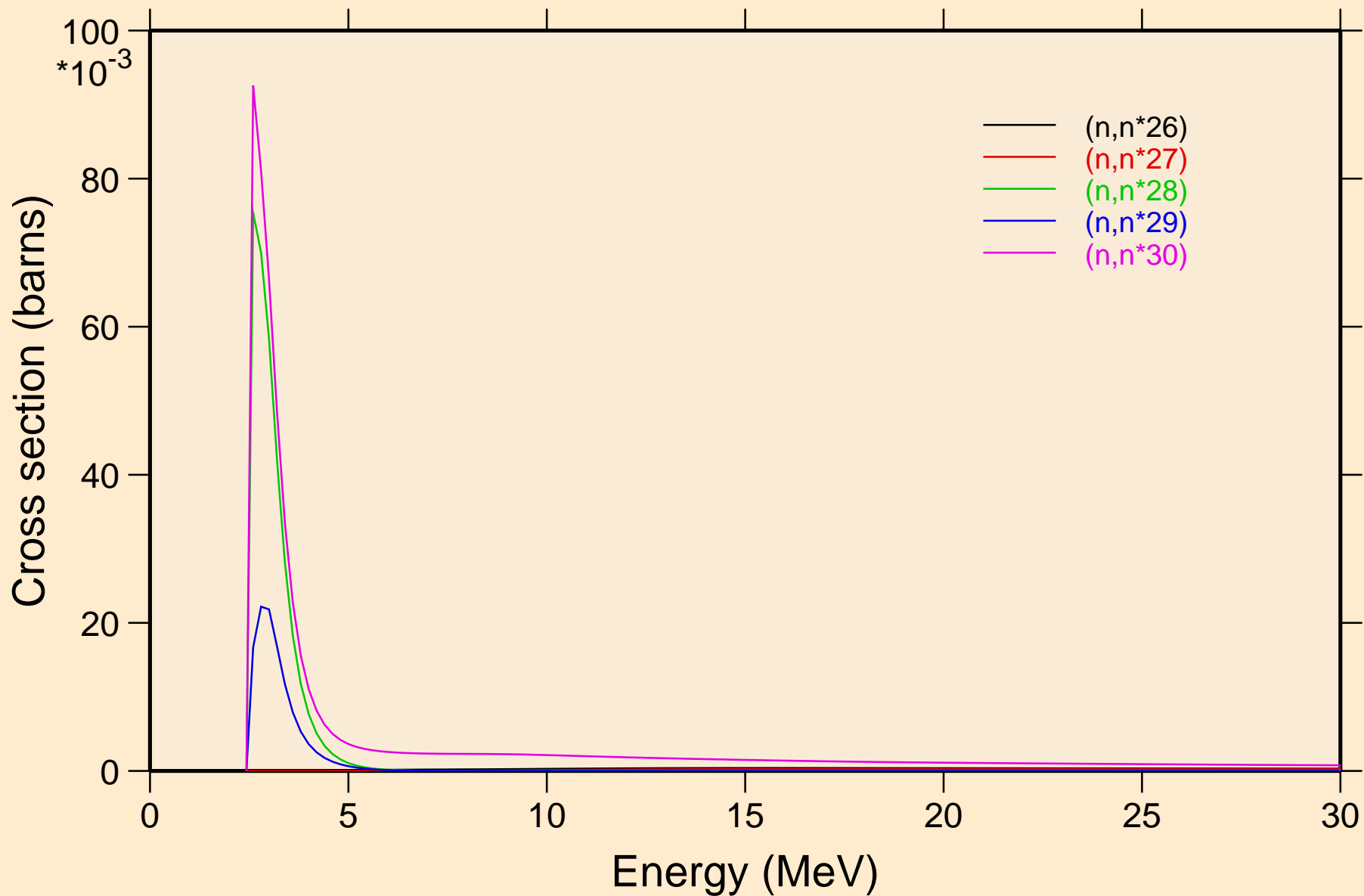
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

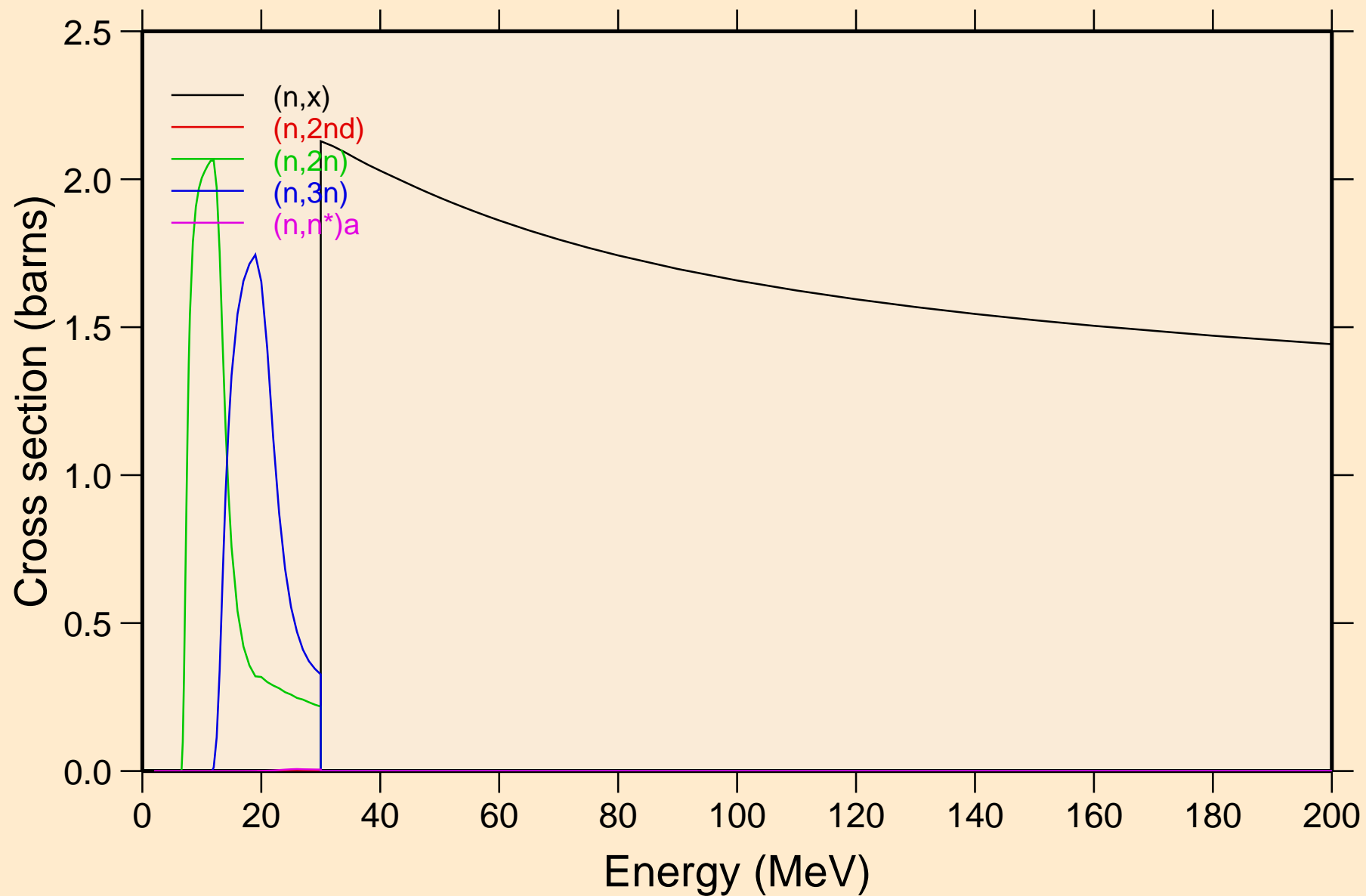


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

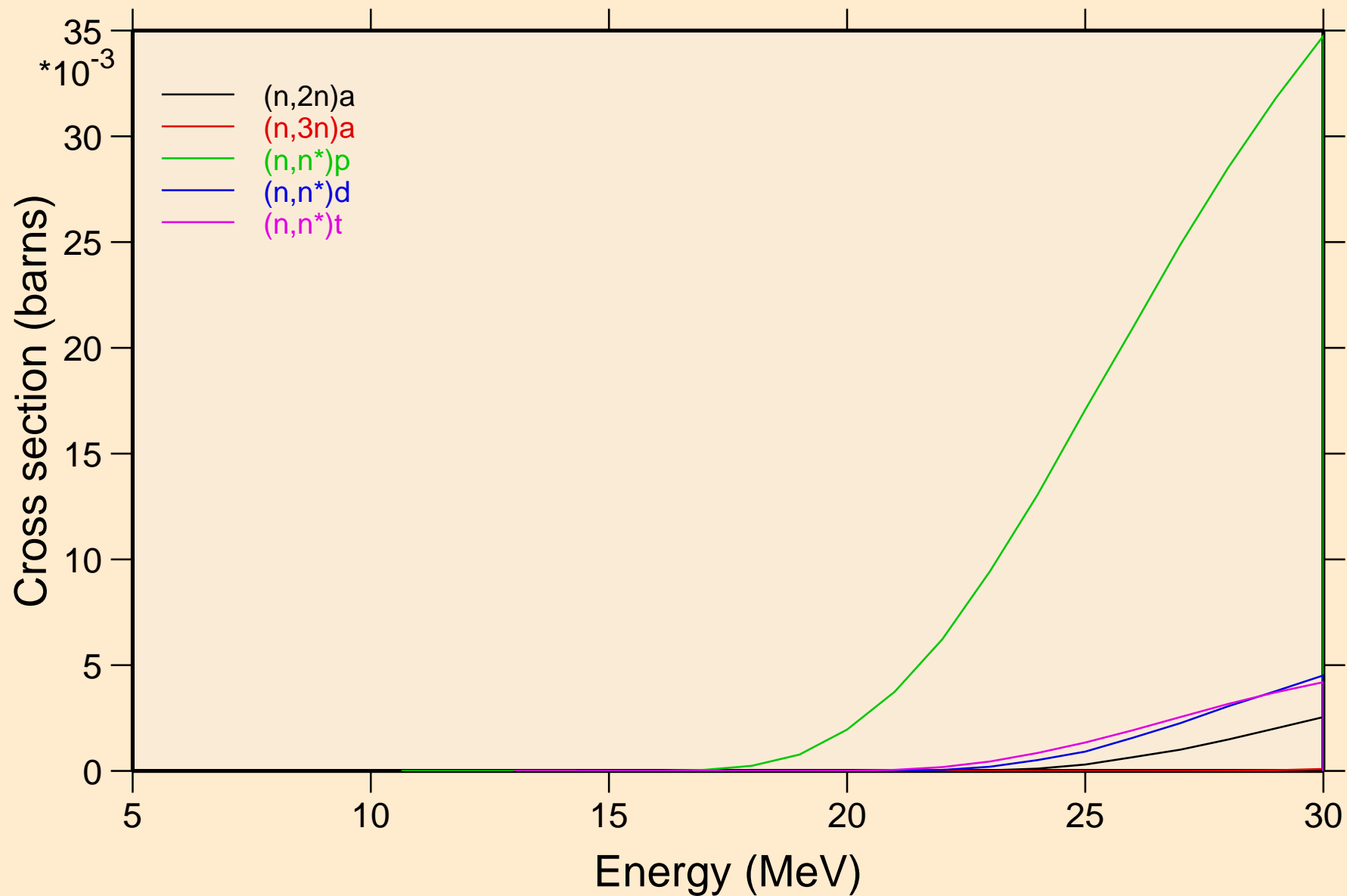




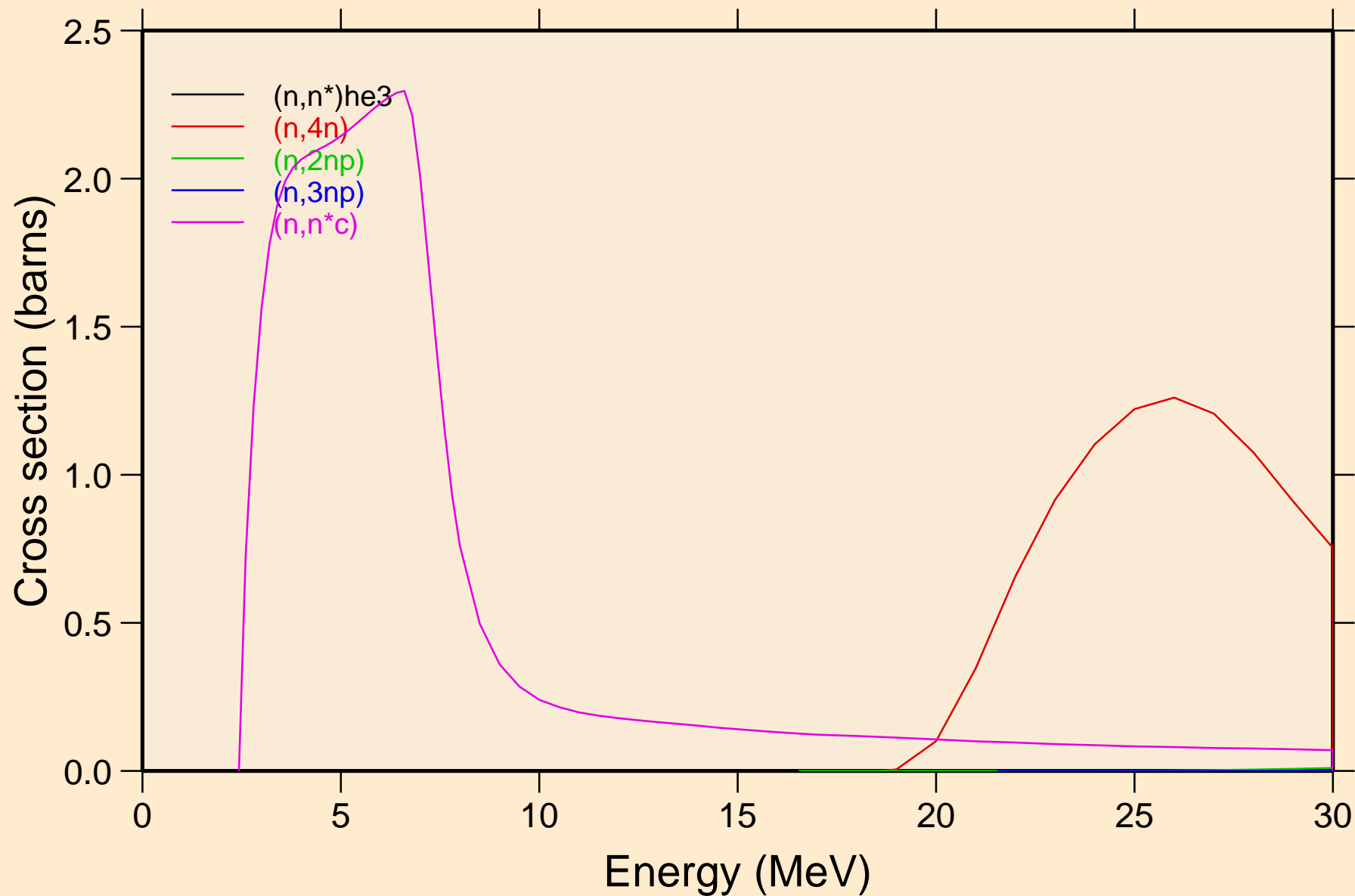
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

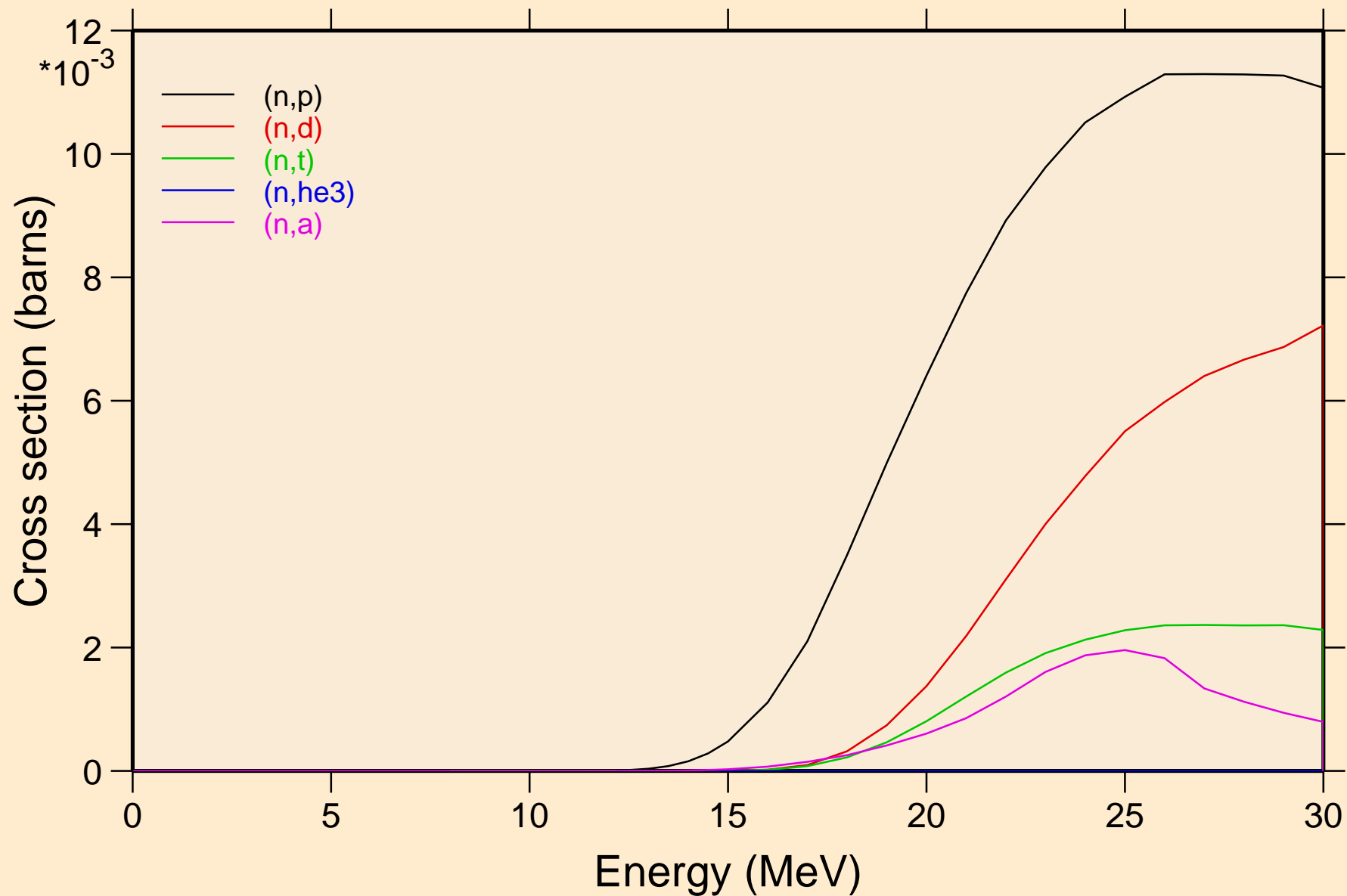


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

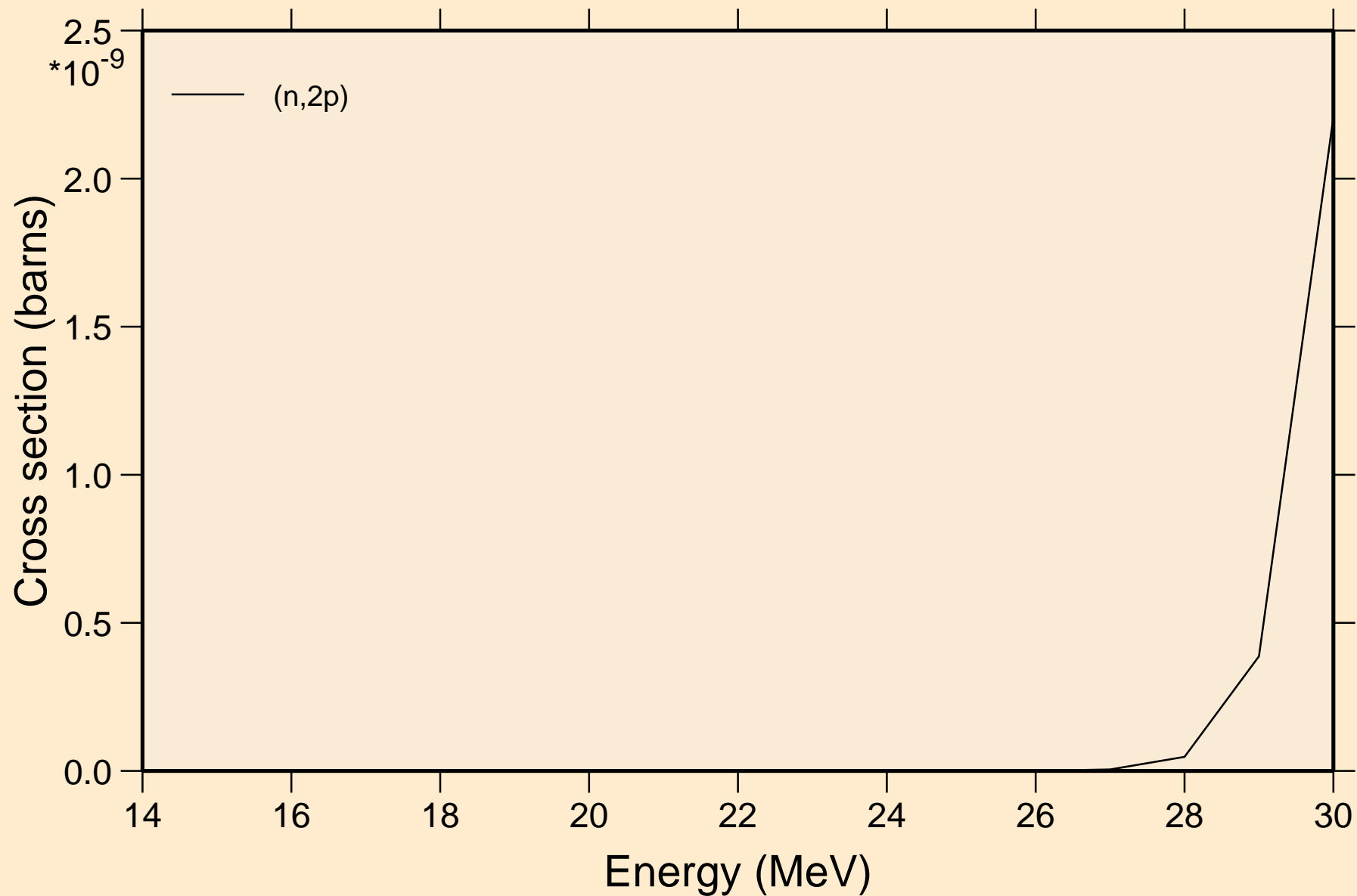


# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

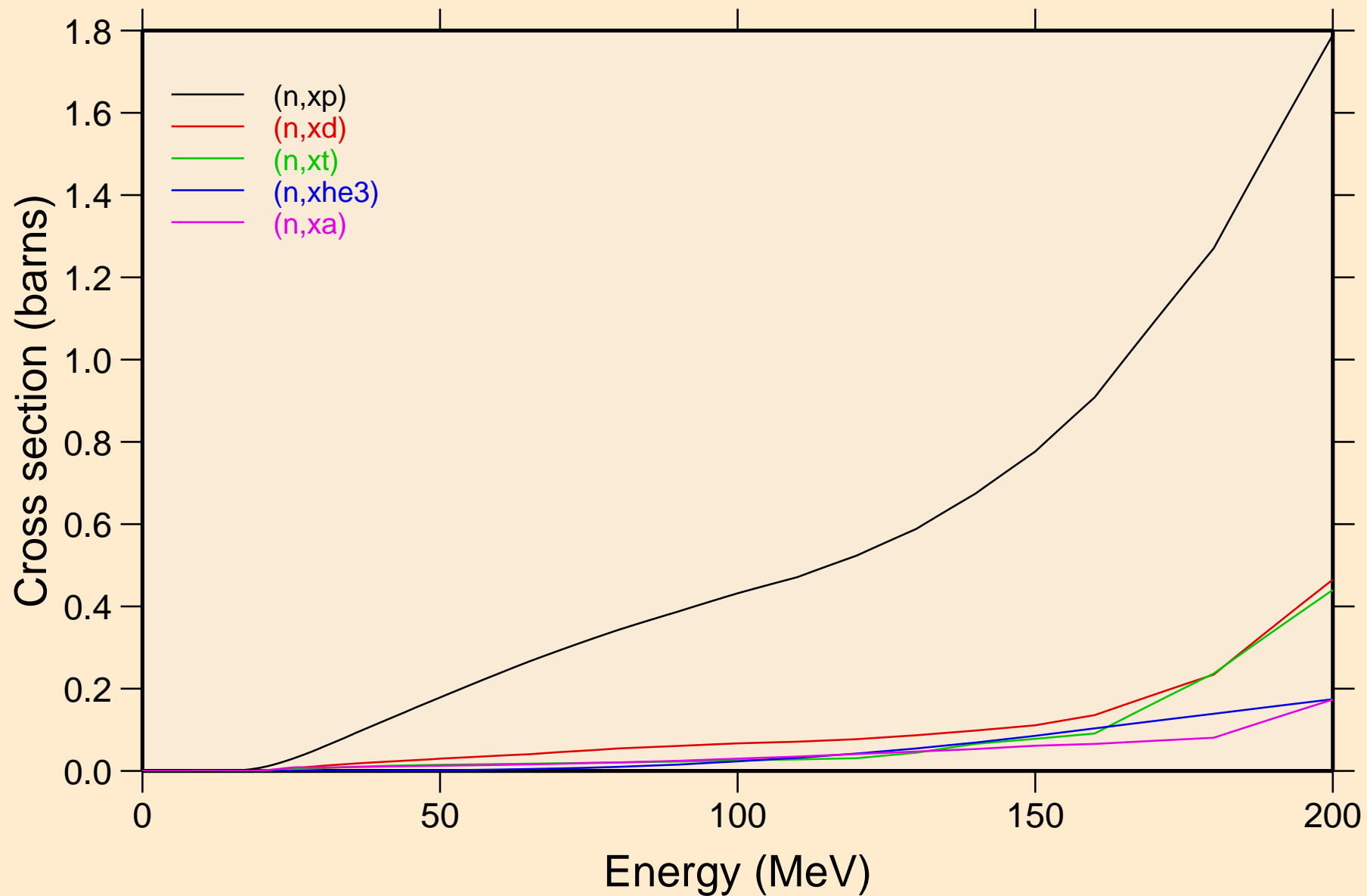


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

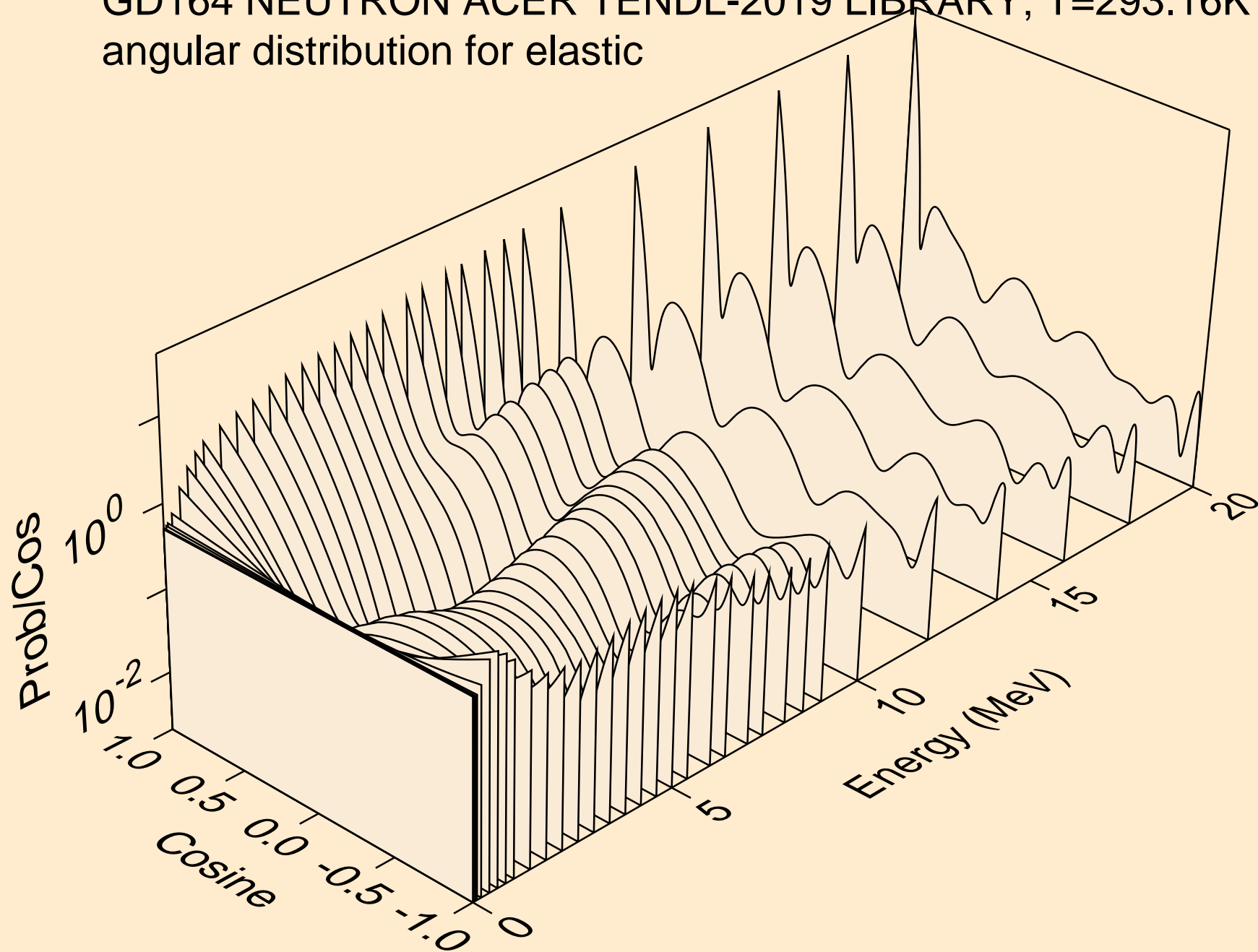


# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

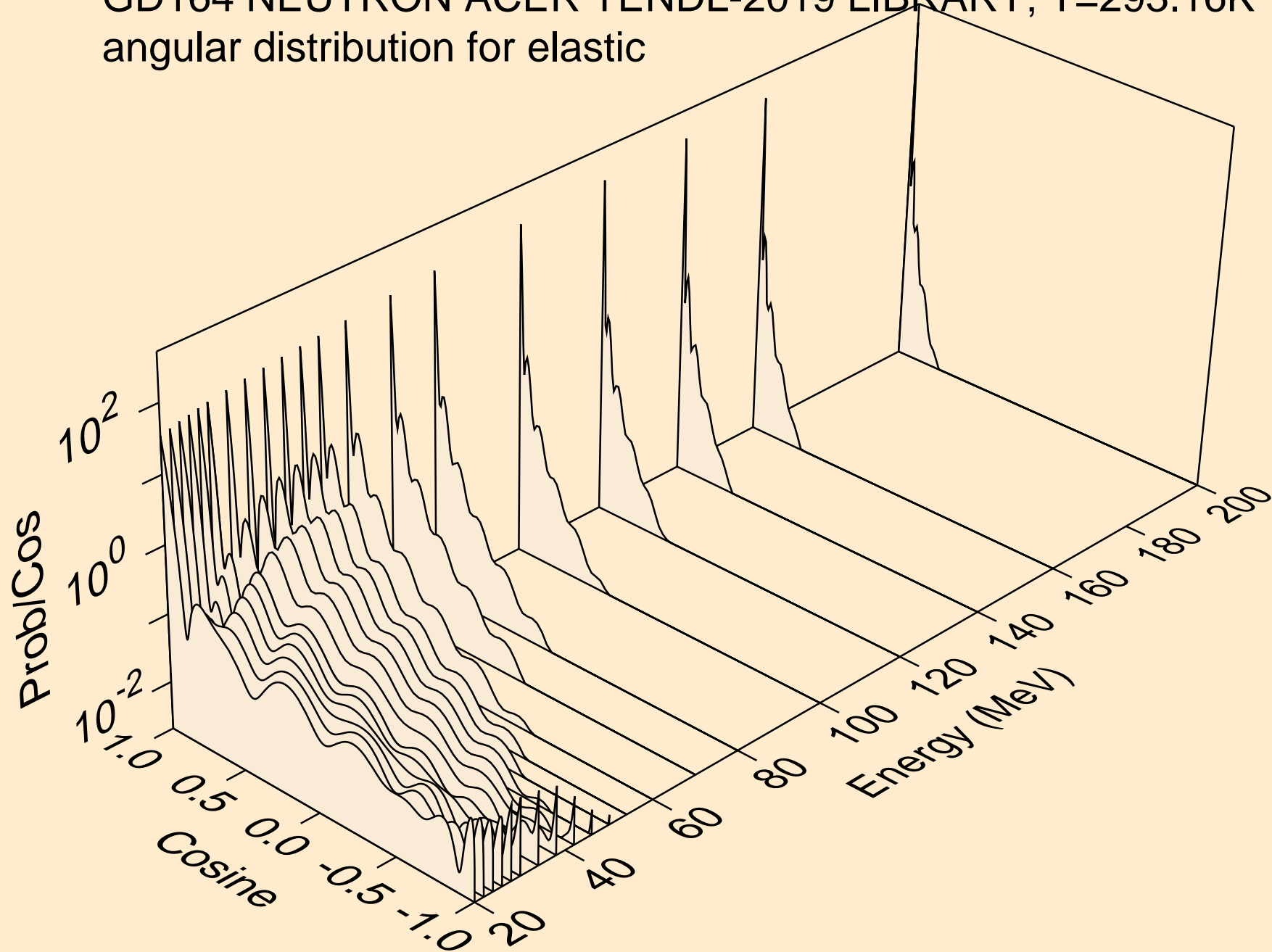
## Threshold reactions



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

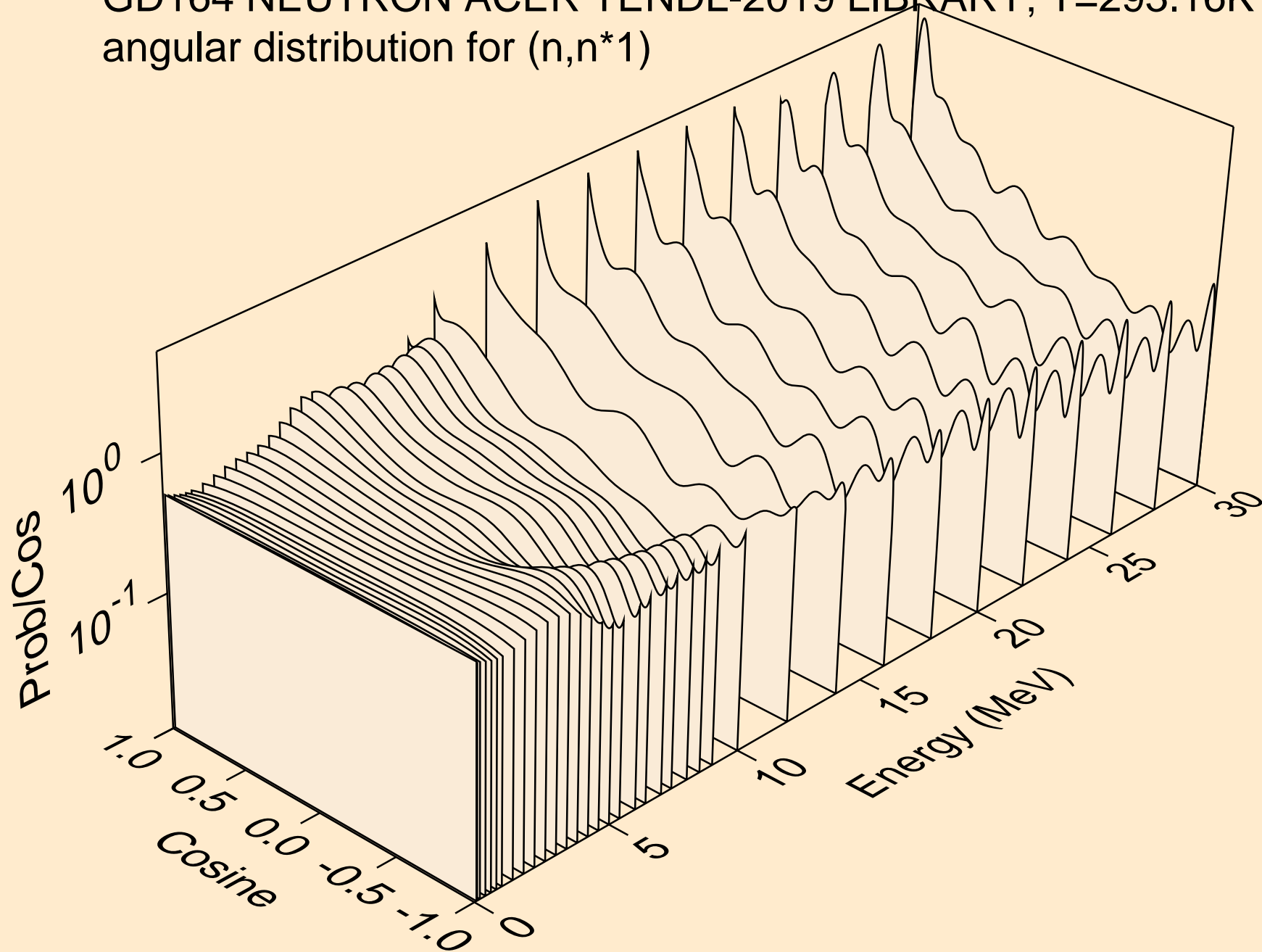


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

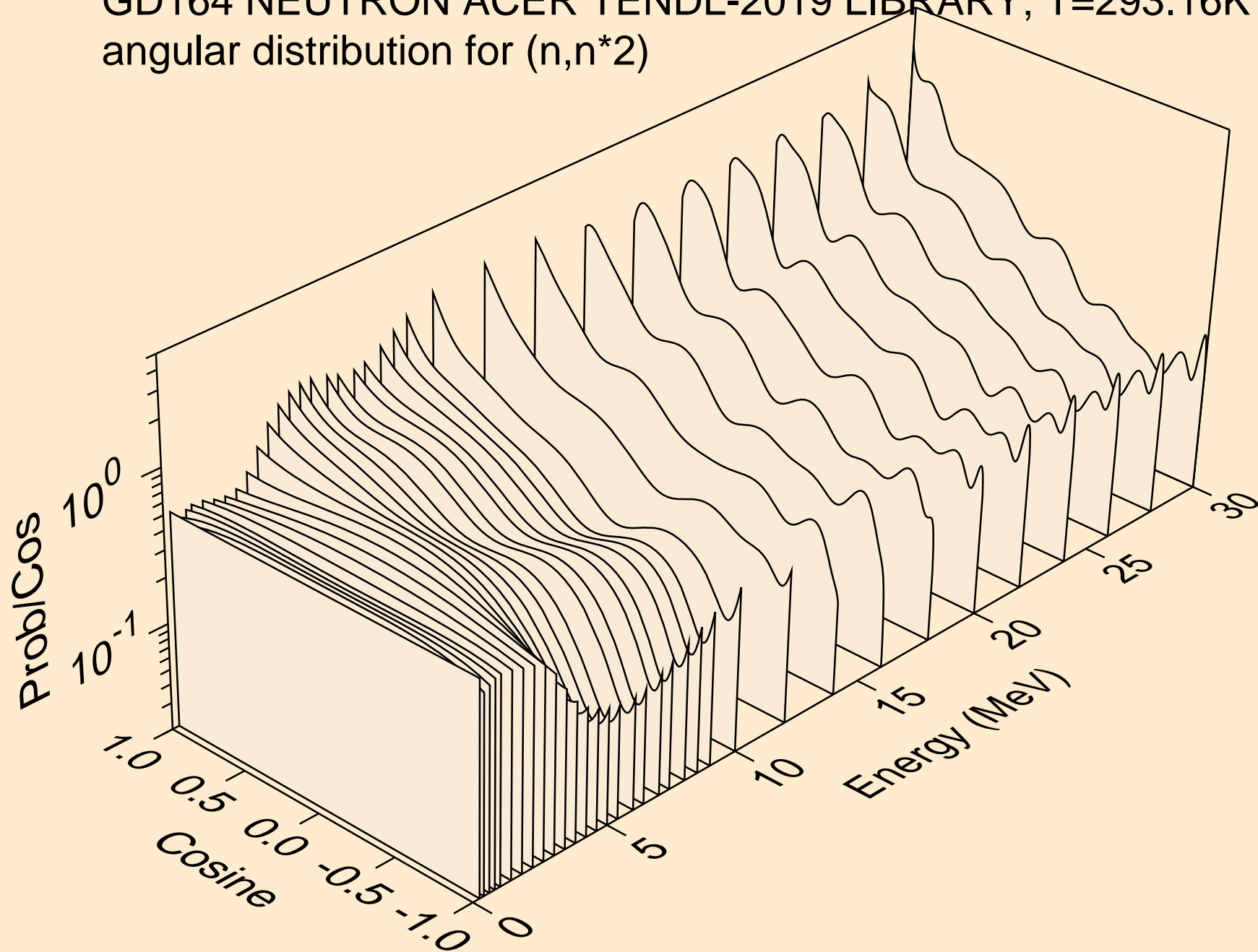




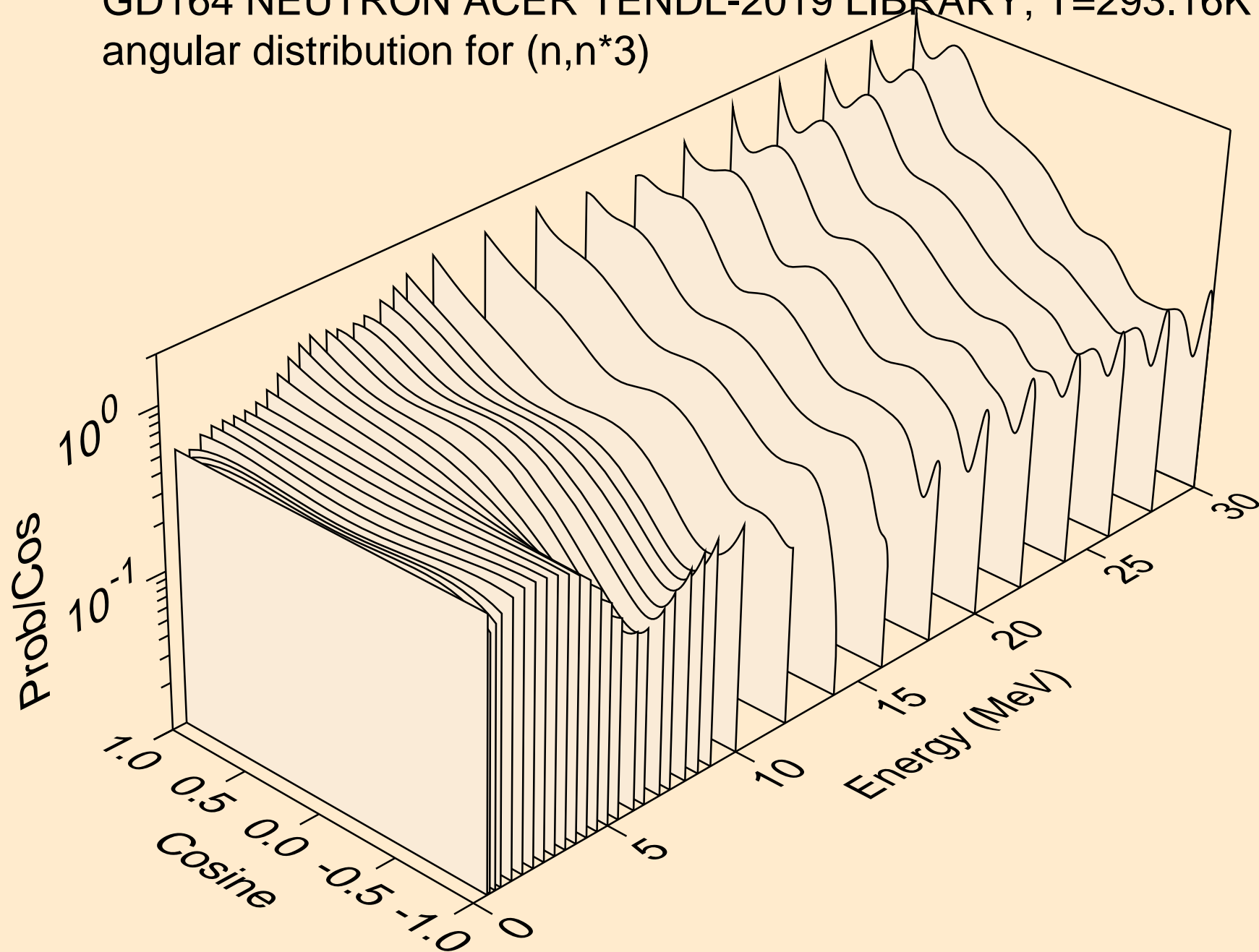
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



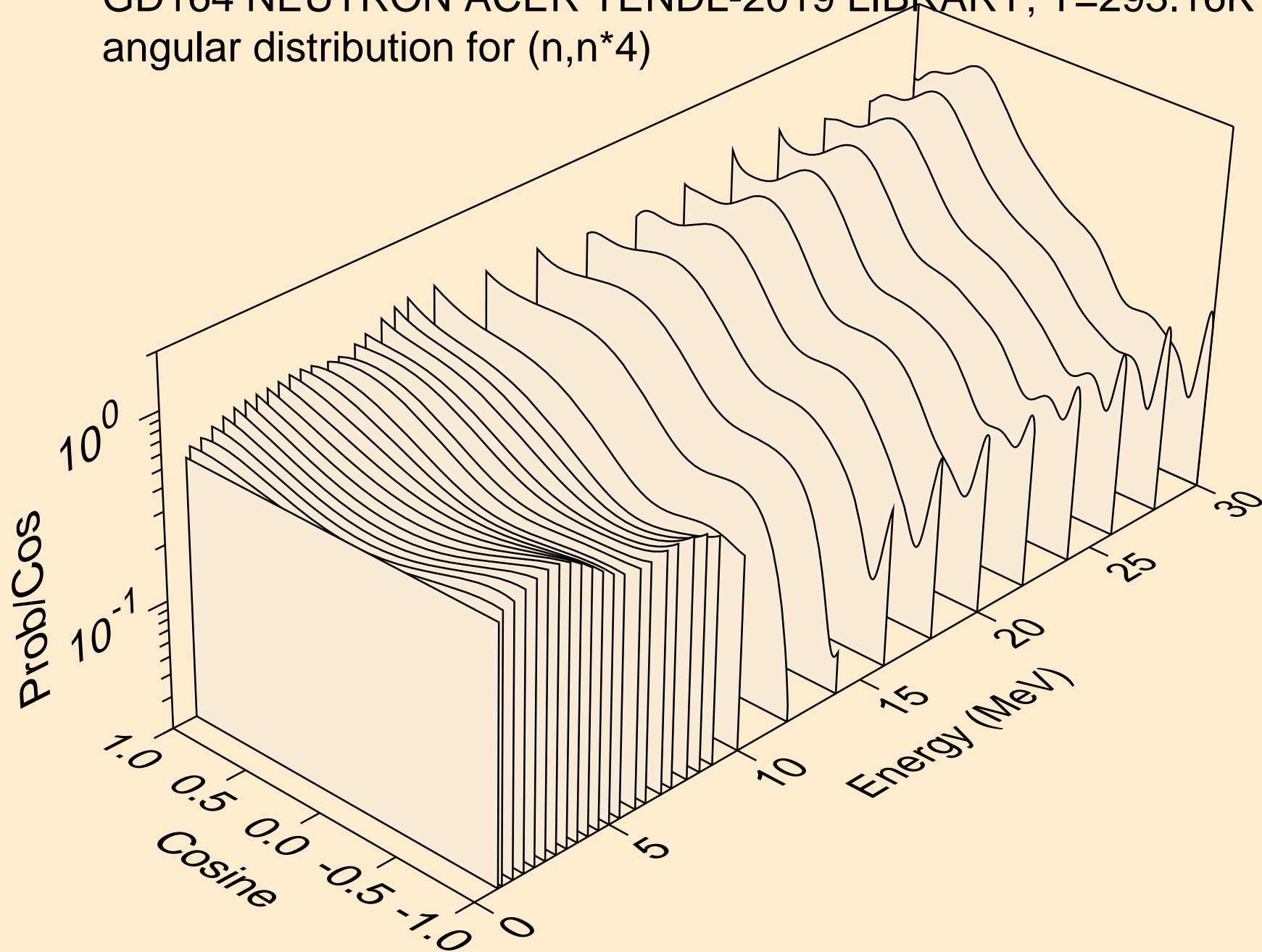
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angular distribution for (n,n\*2)



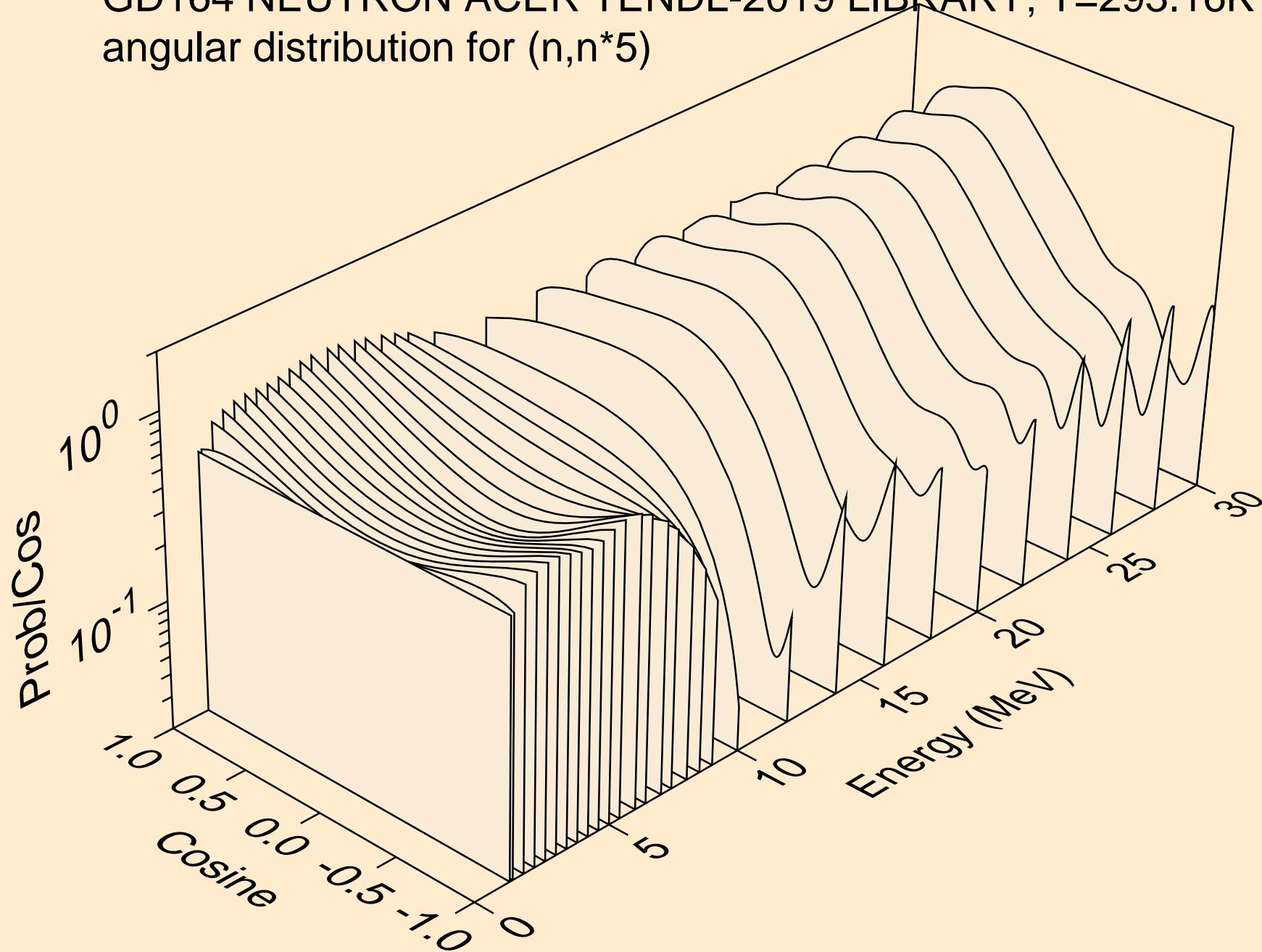
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



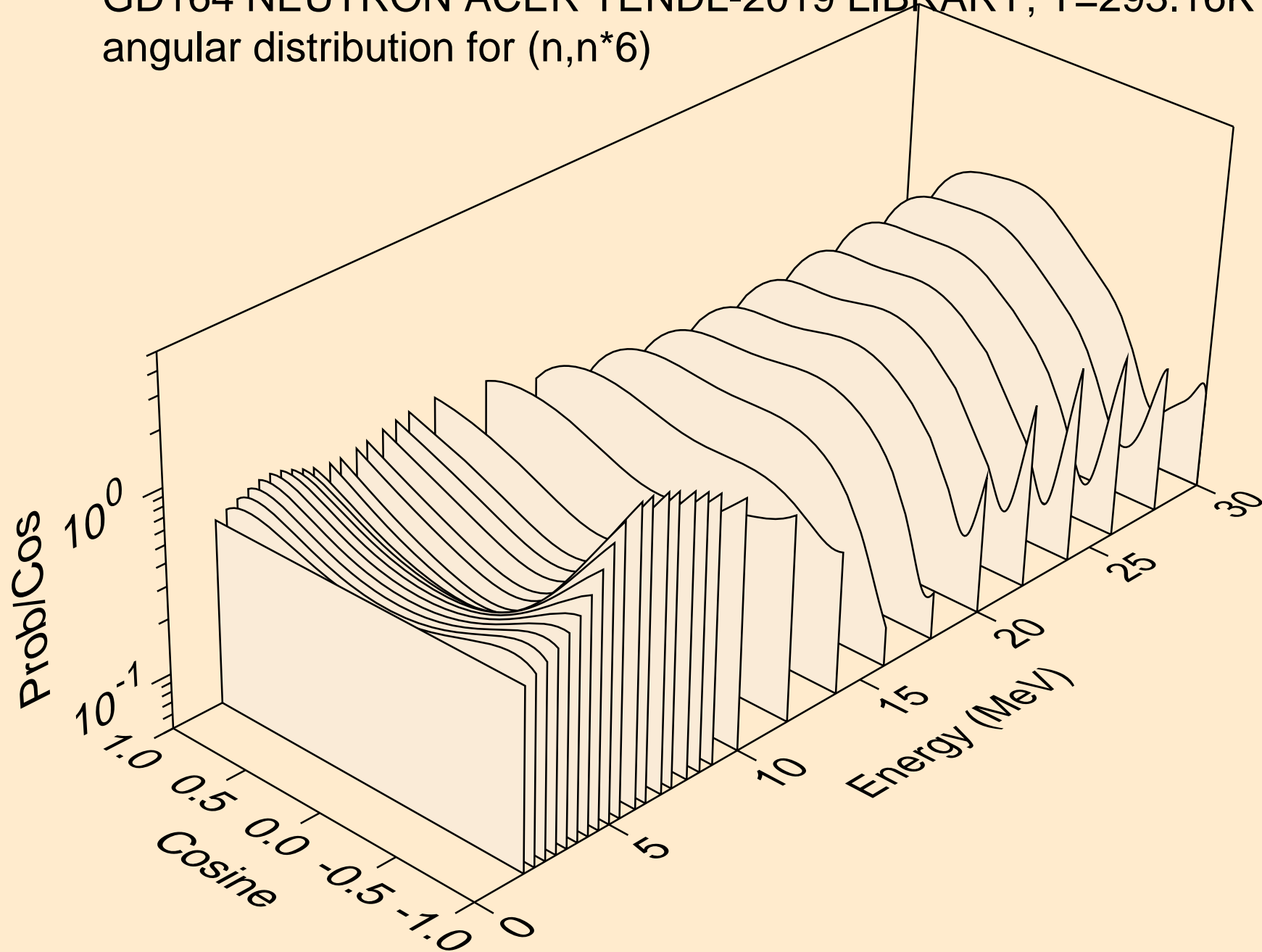
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angular distribution for (n,n\*4)



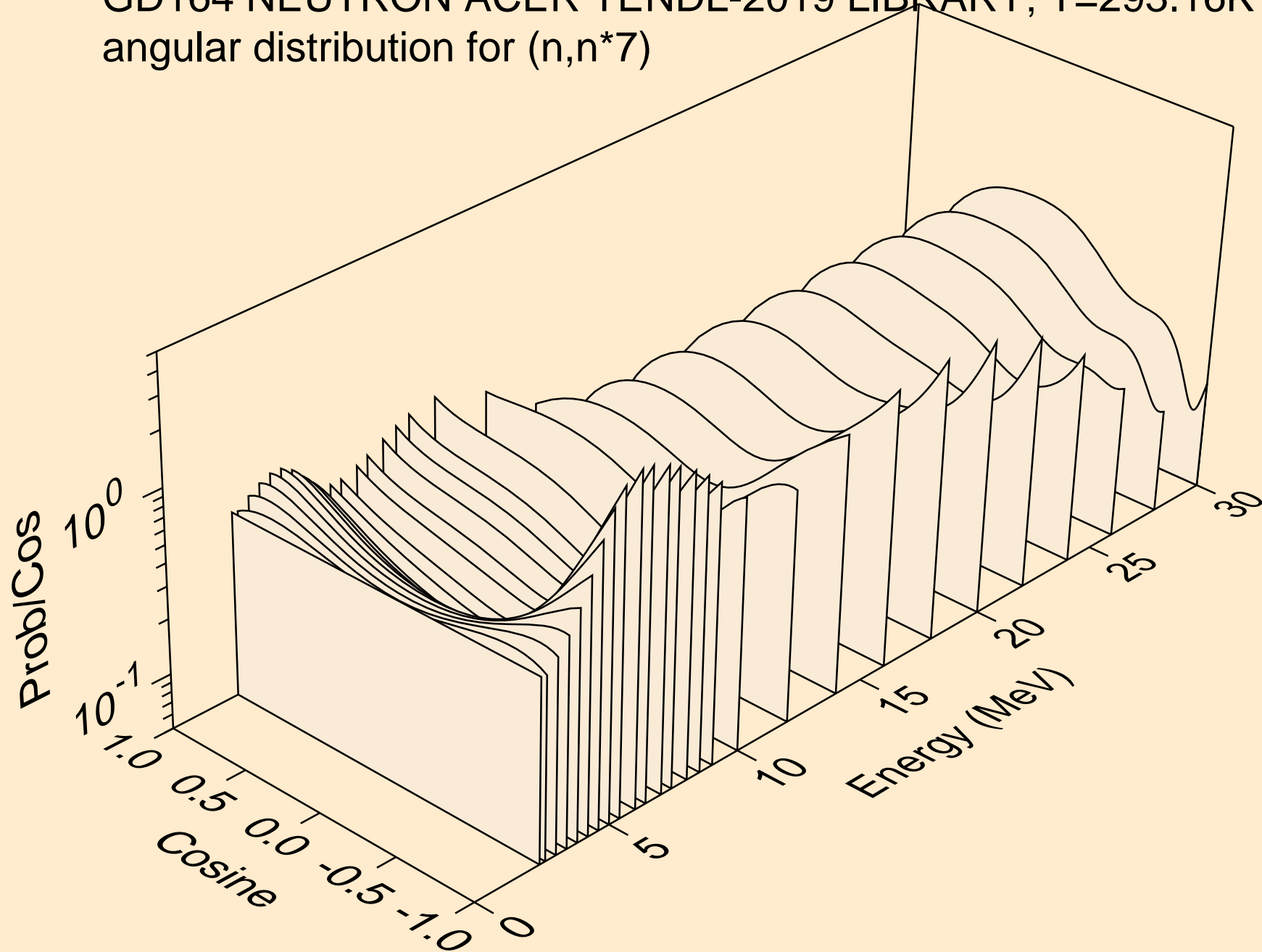
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



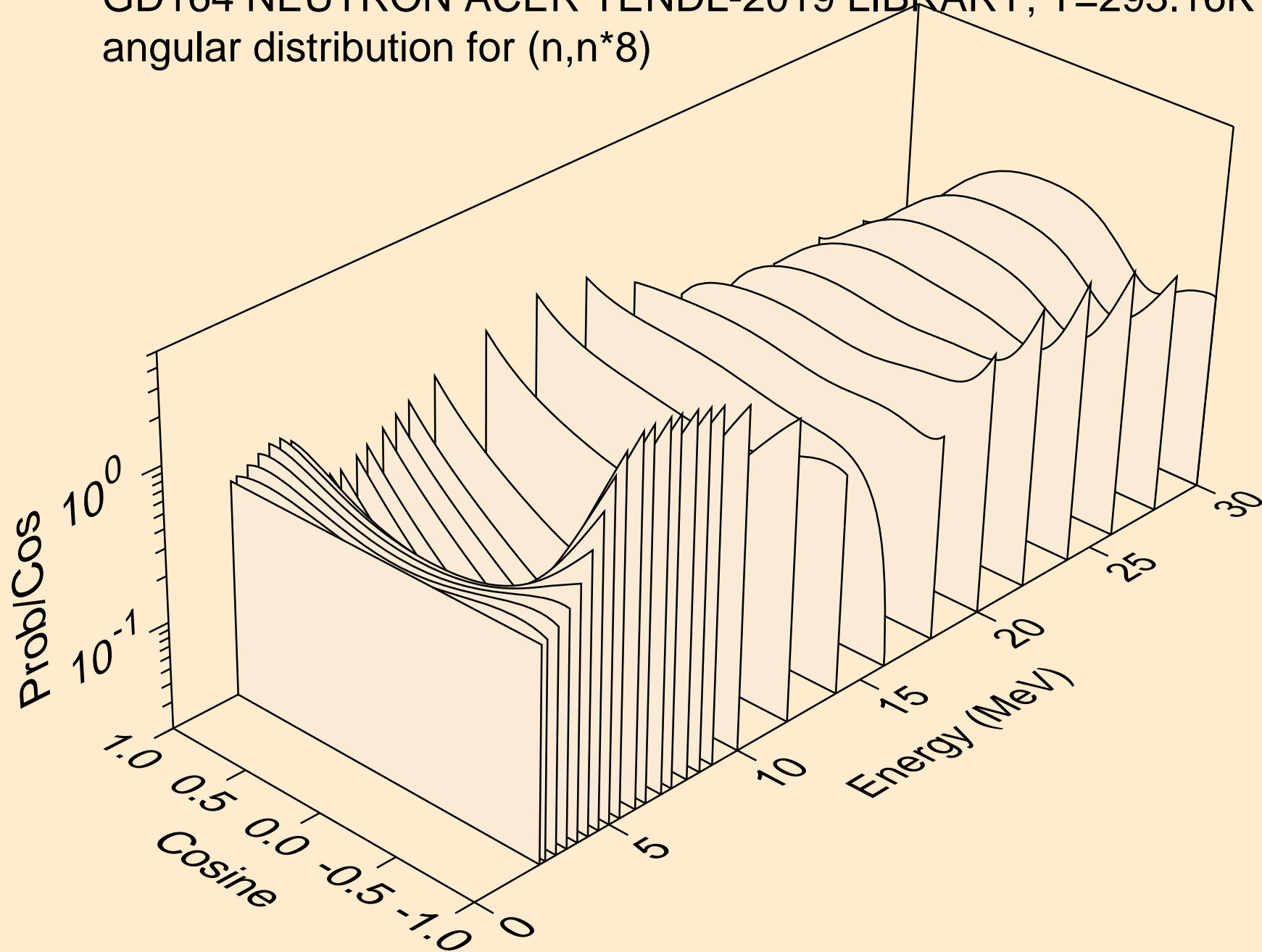
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

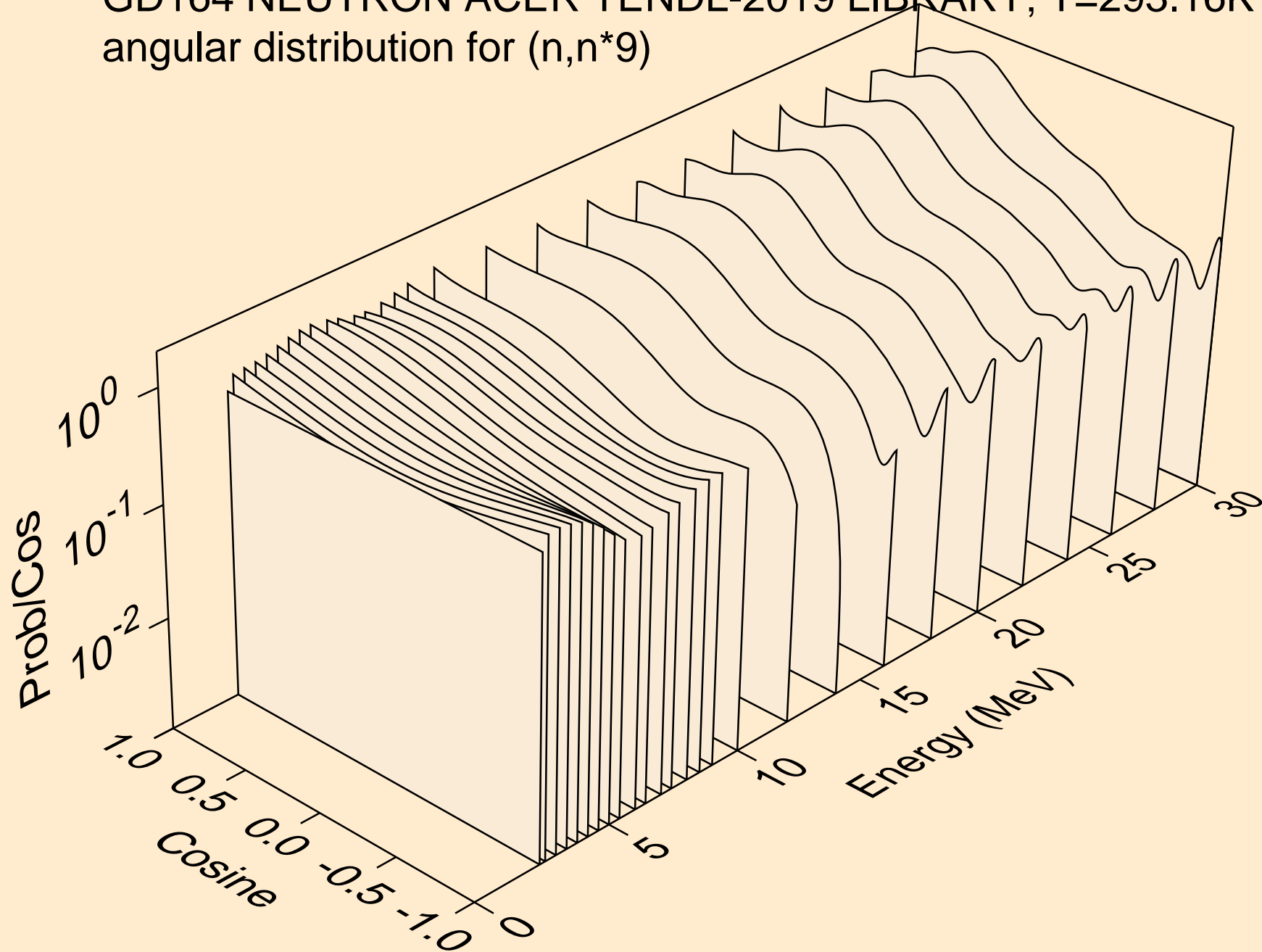


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

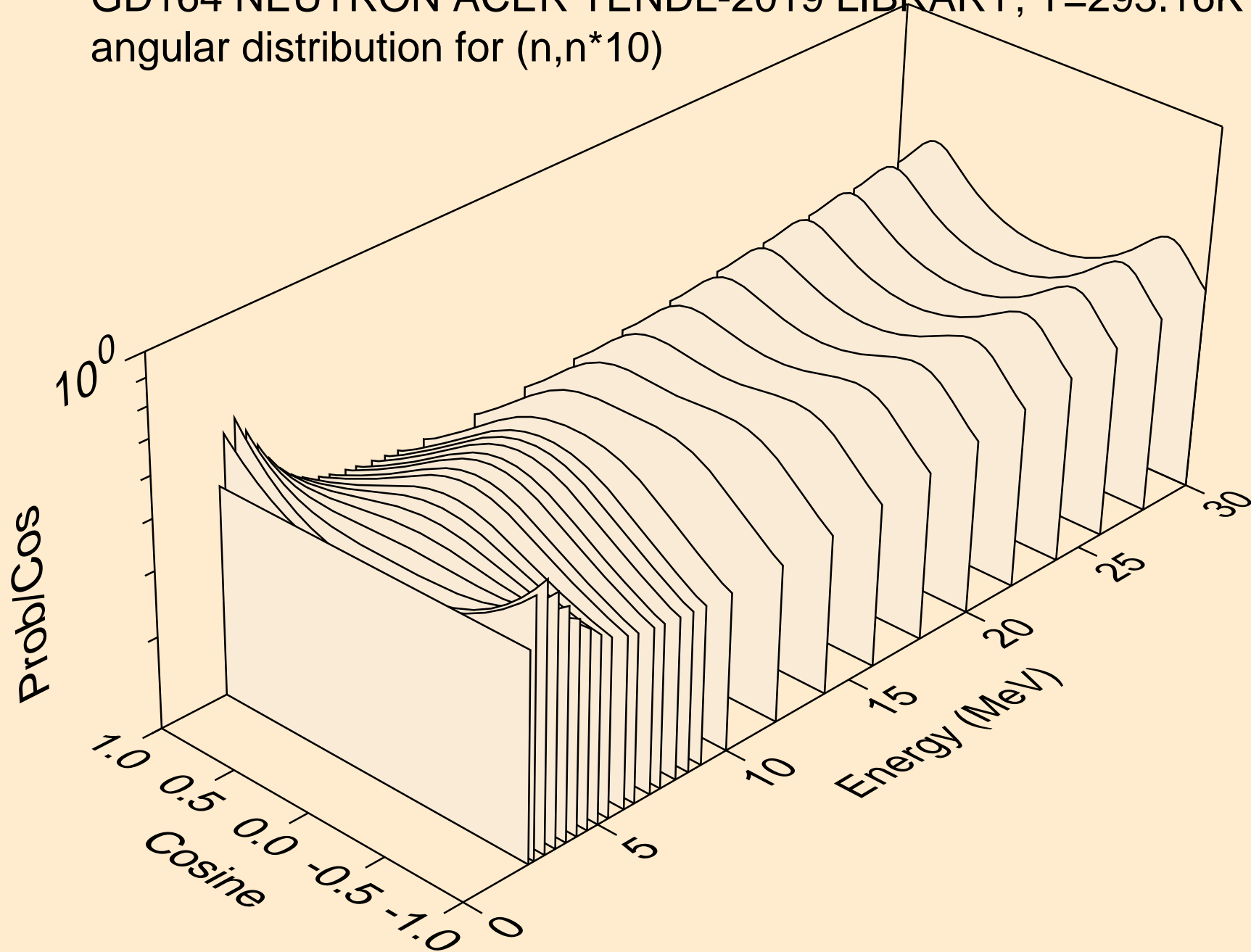




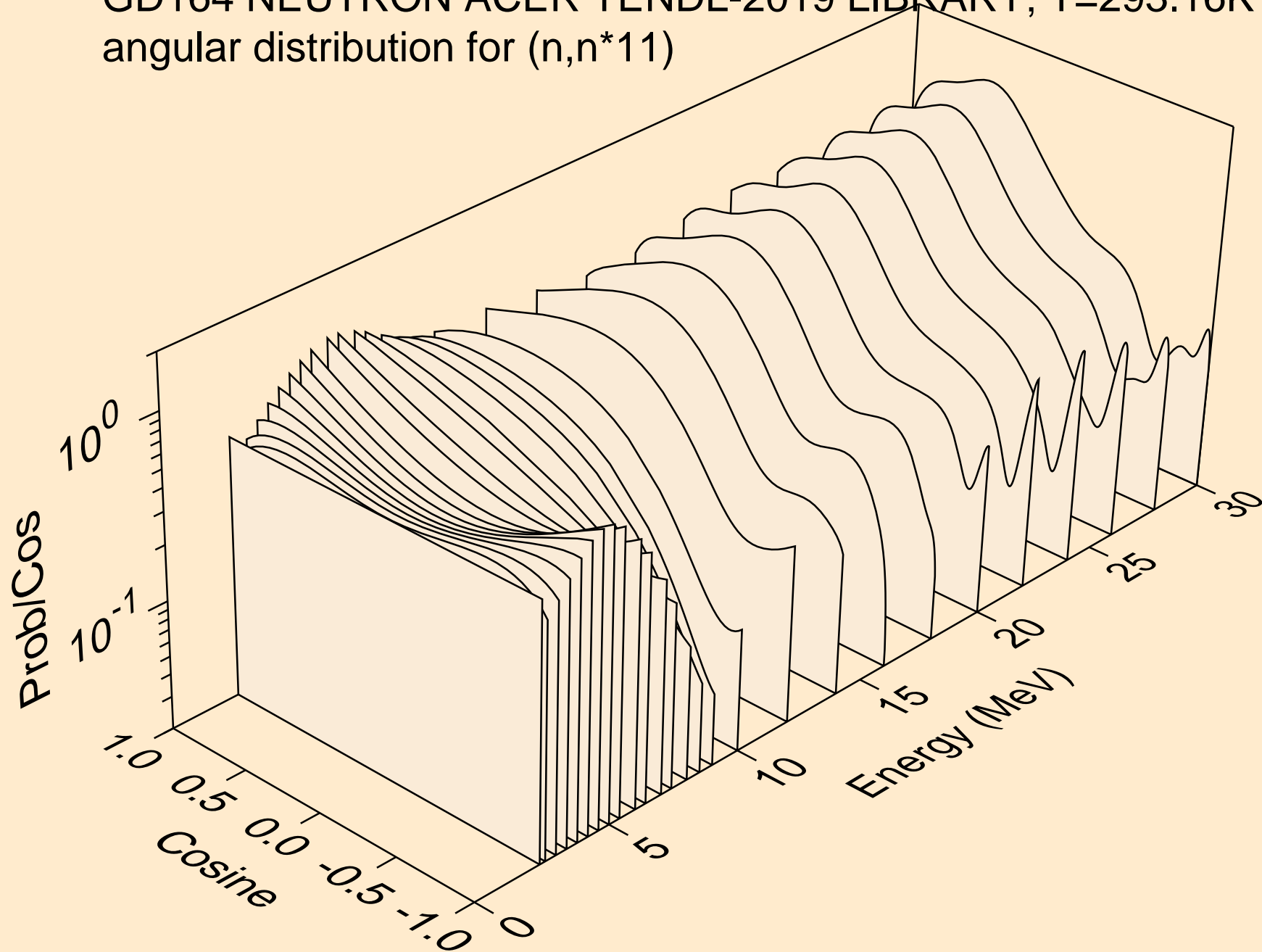
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angular distribution for (n,n\*9)



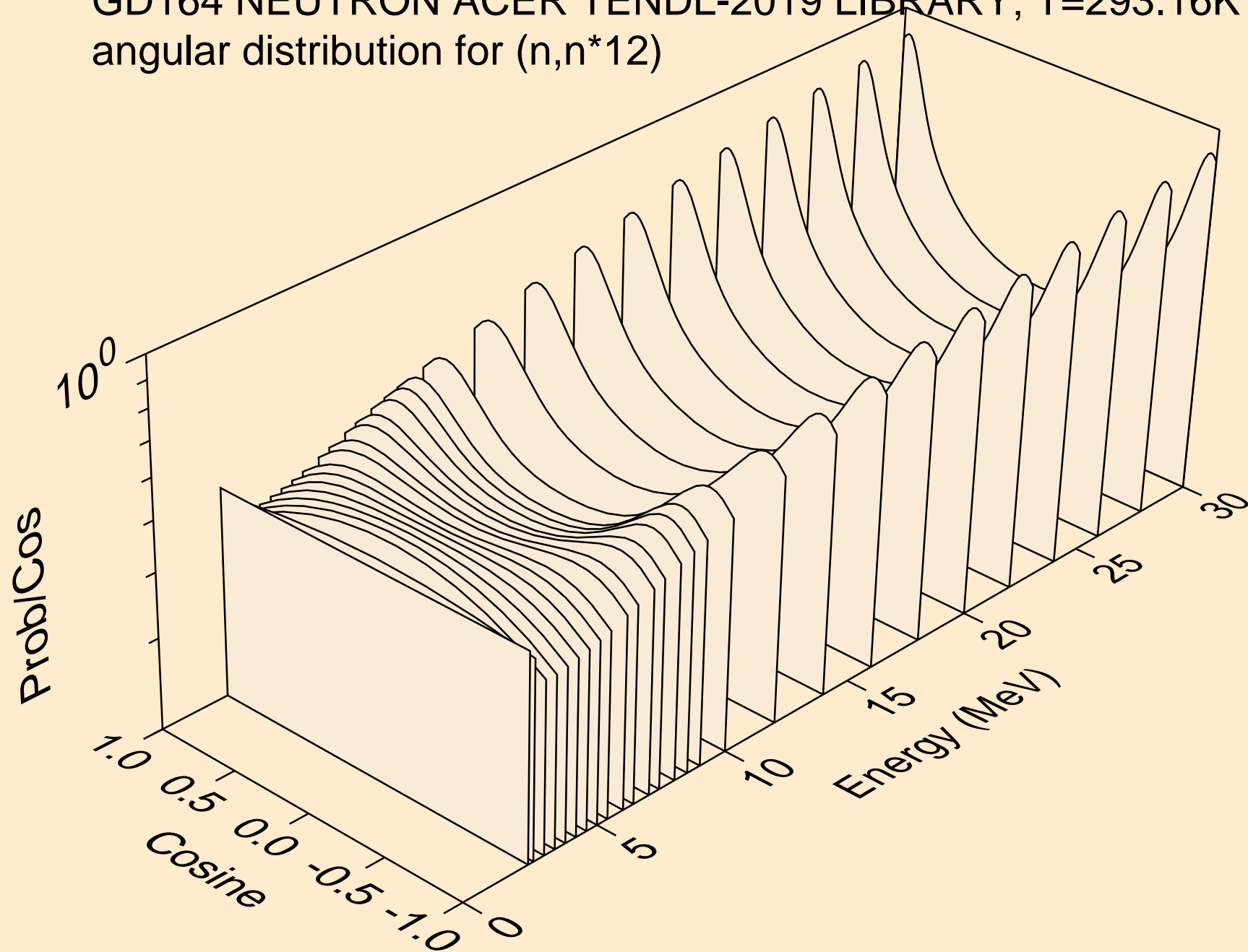
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



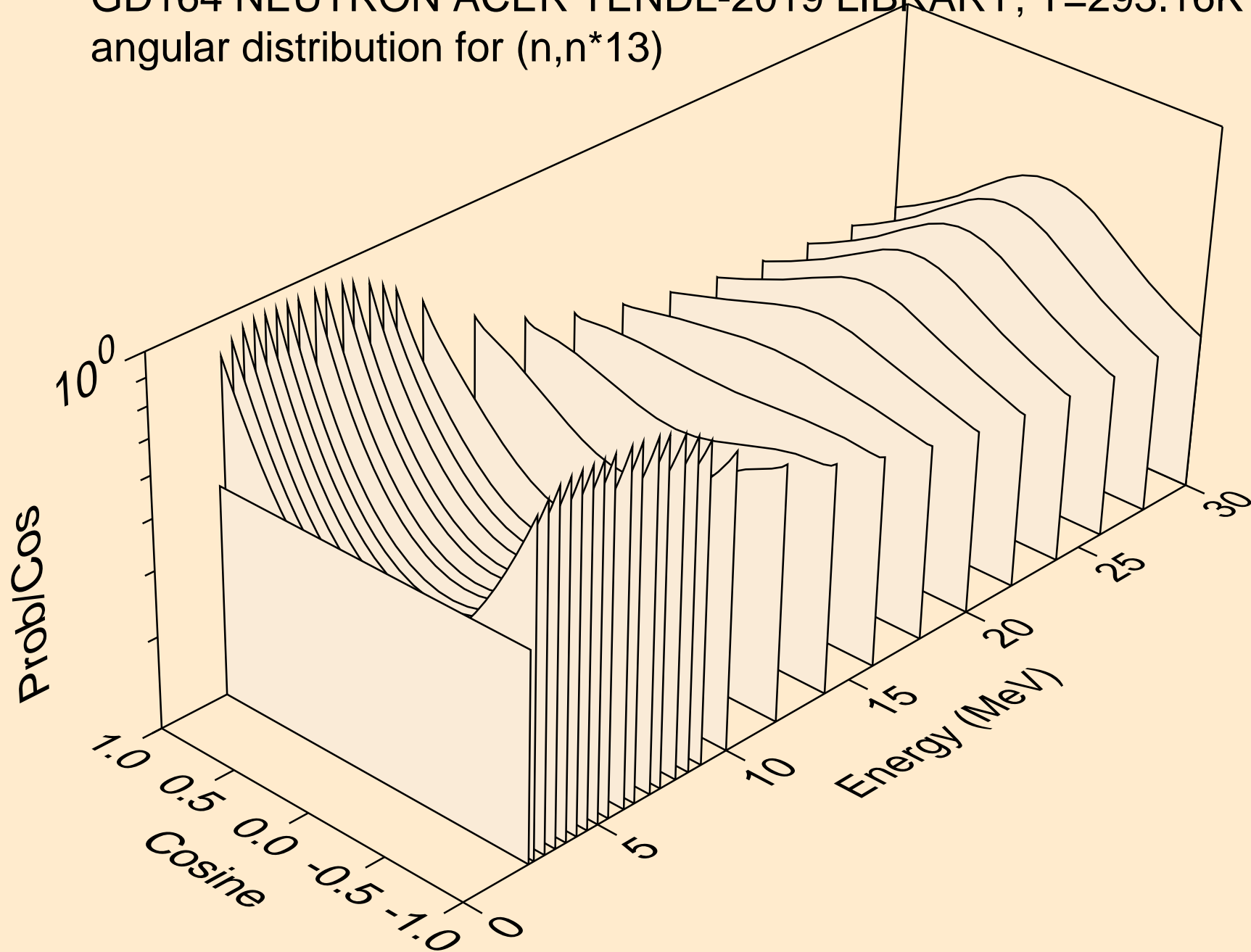
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angular distribution for (n,n\*11)



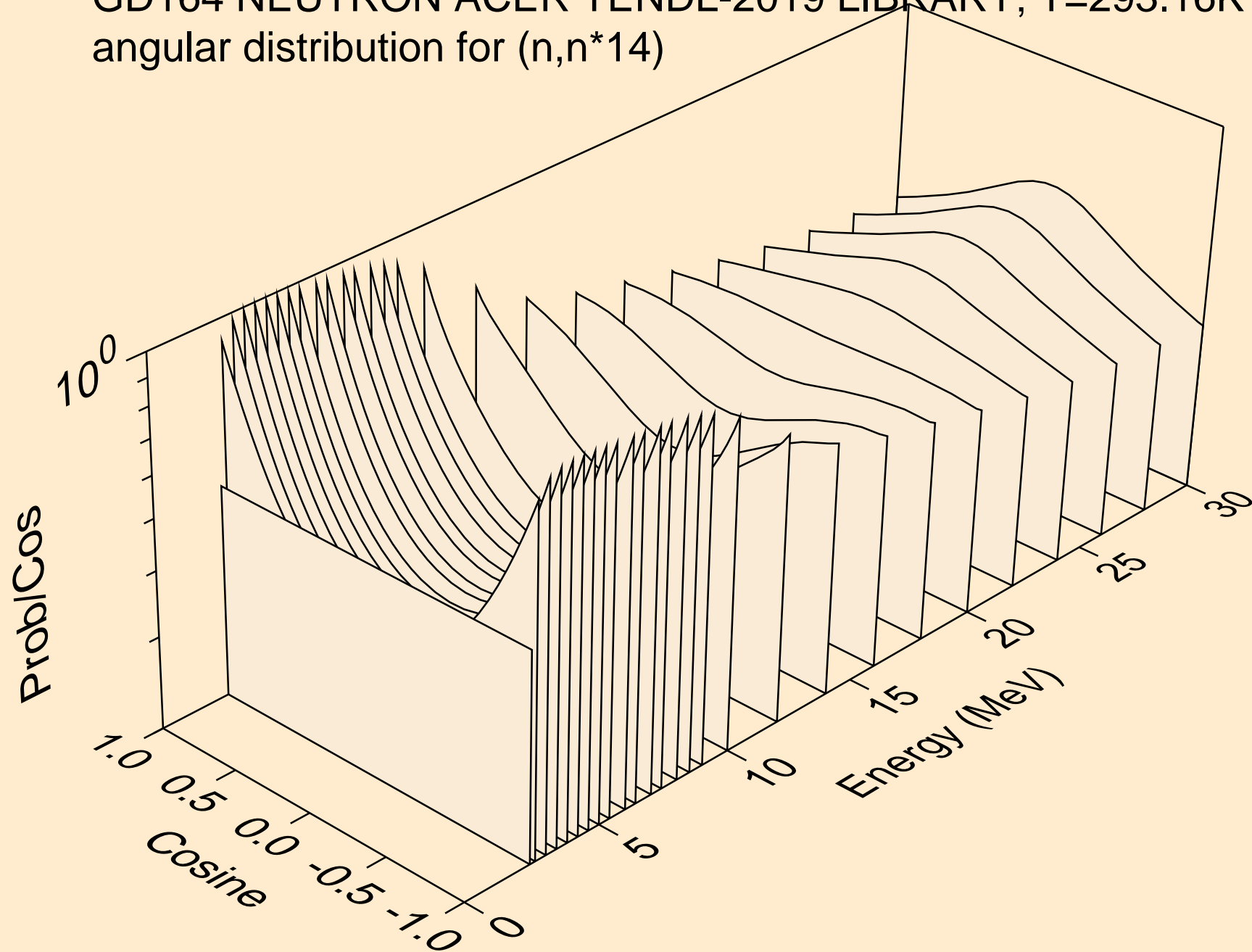
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angular distribution for (n,n\*12)



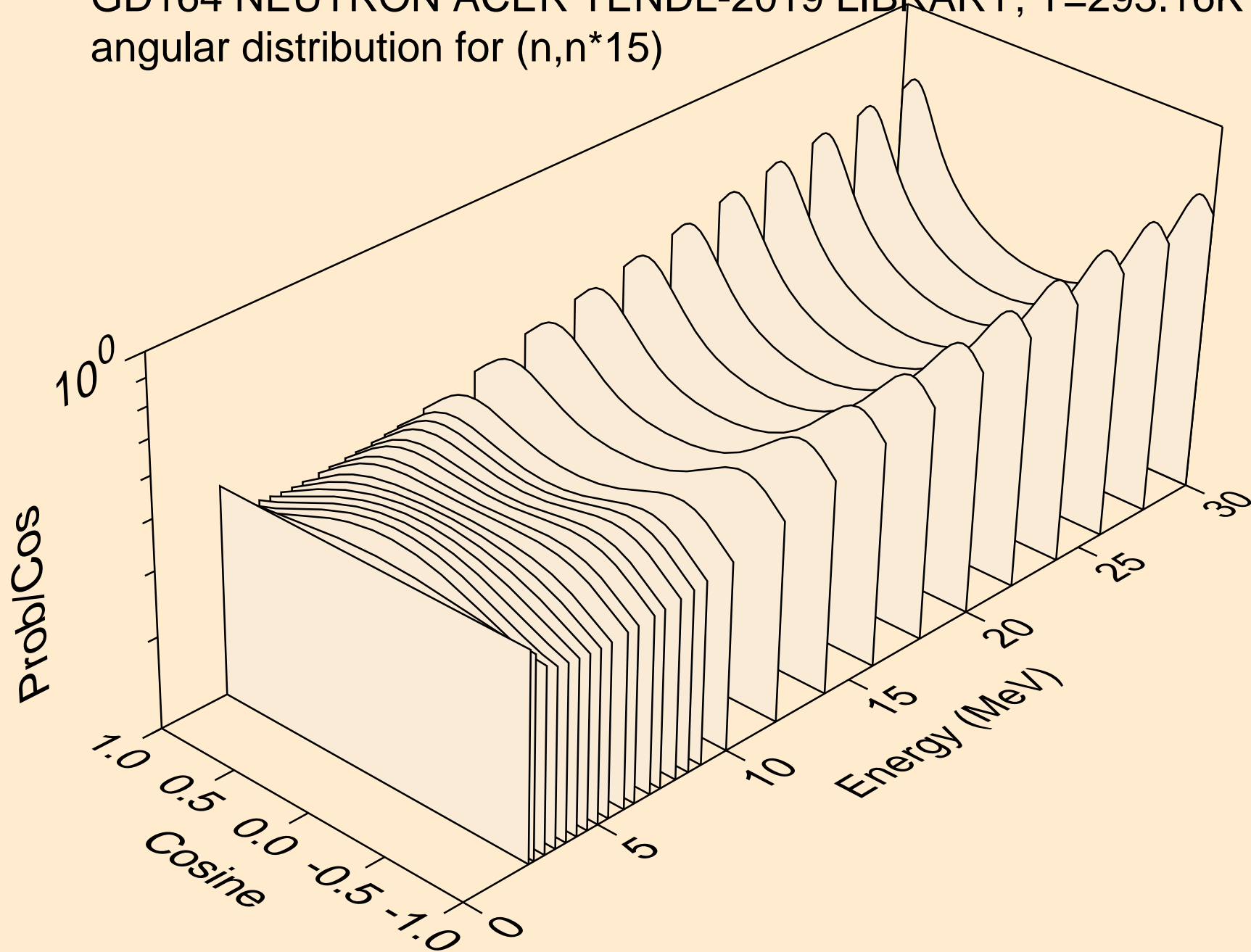
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angular distribution for (n,n\*13)



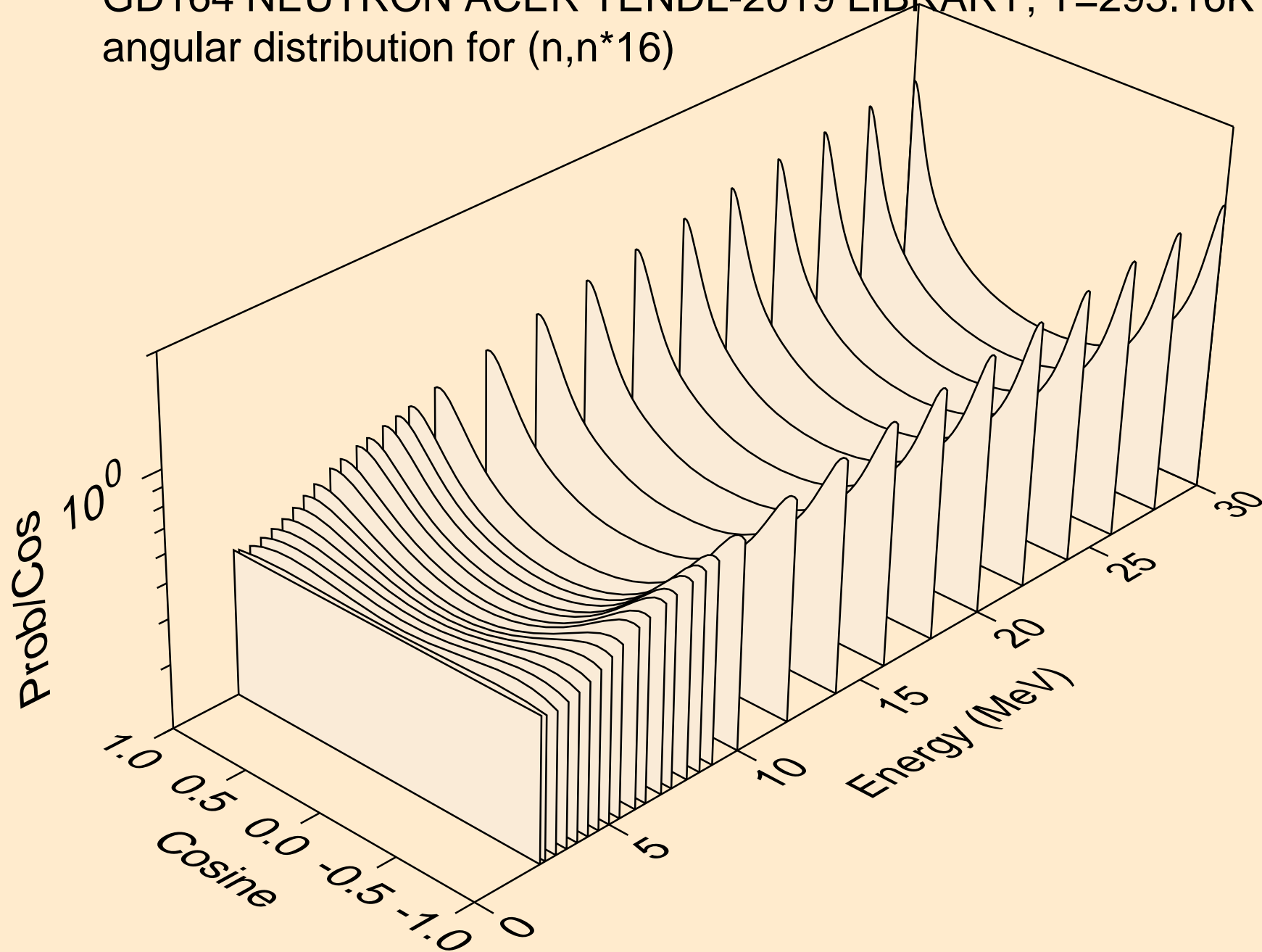
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

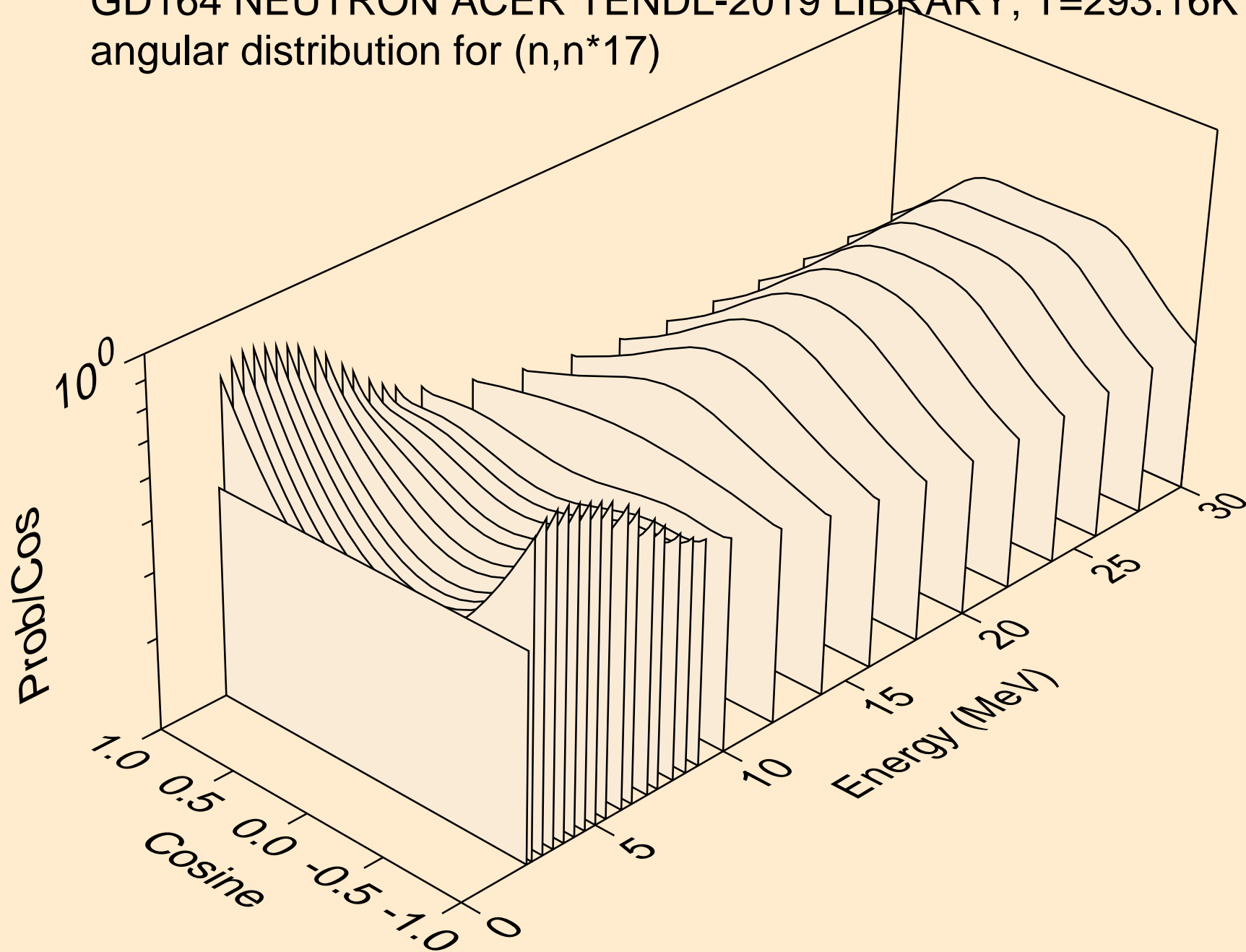


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

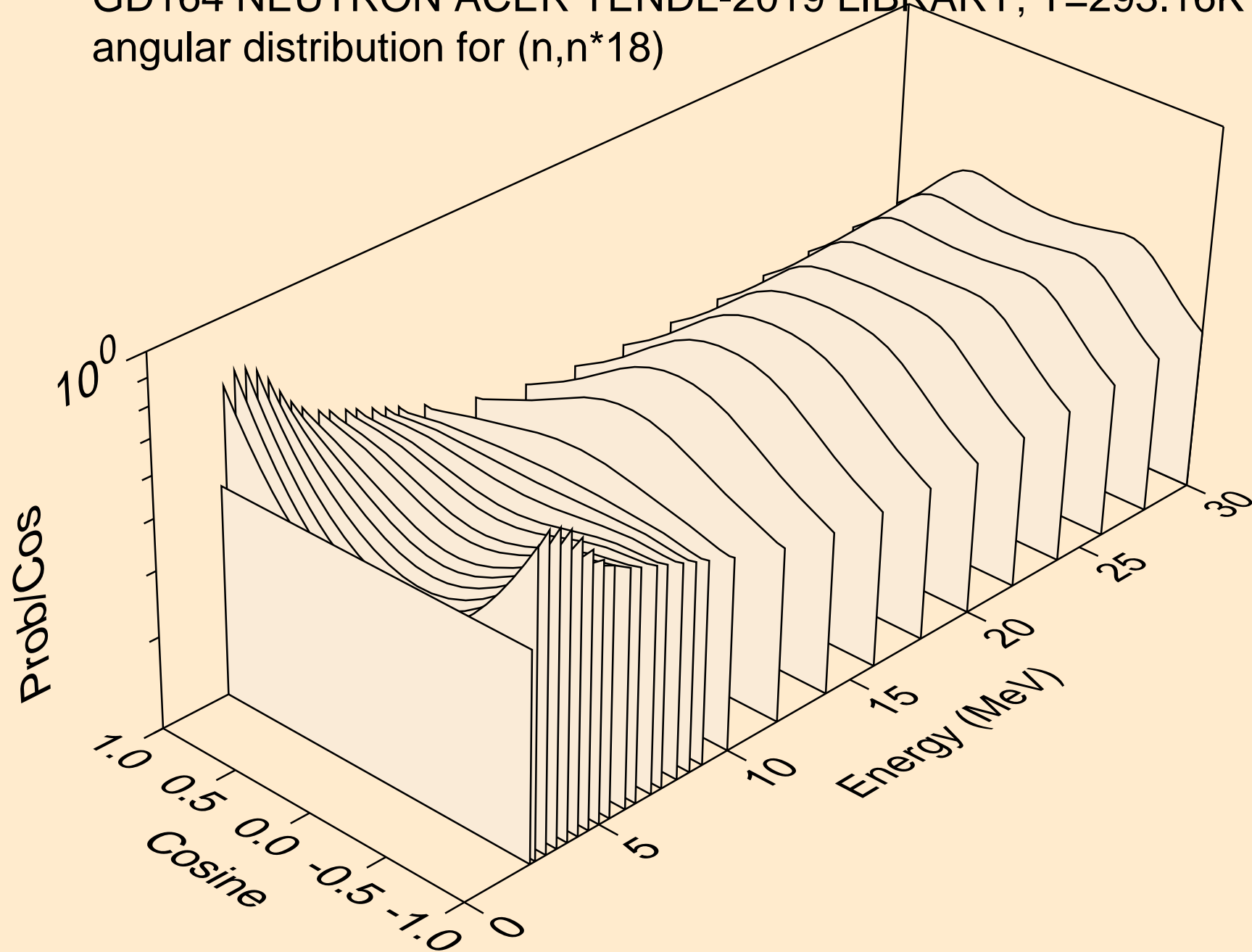




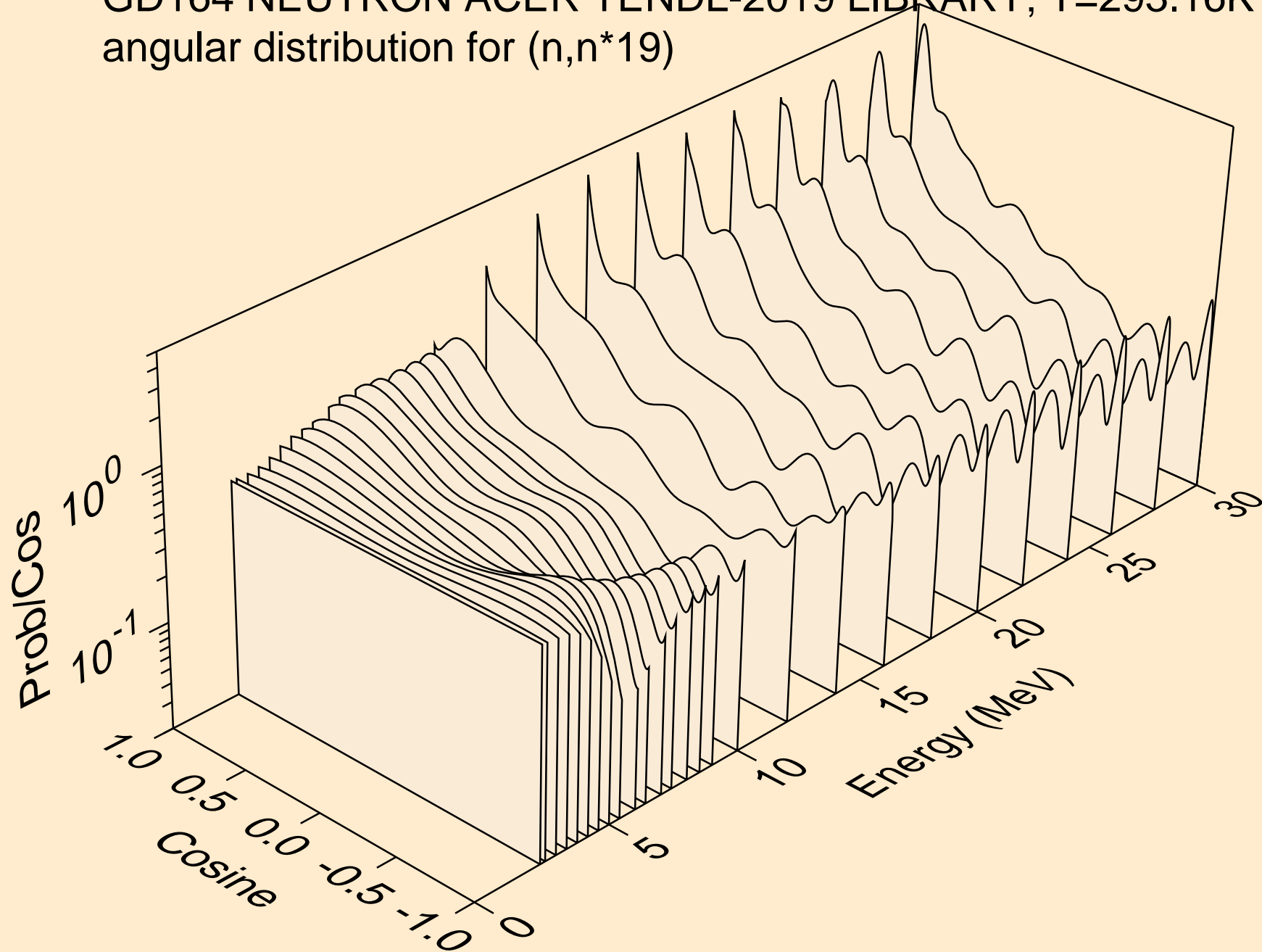
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angular distribution for (n,n\*17)



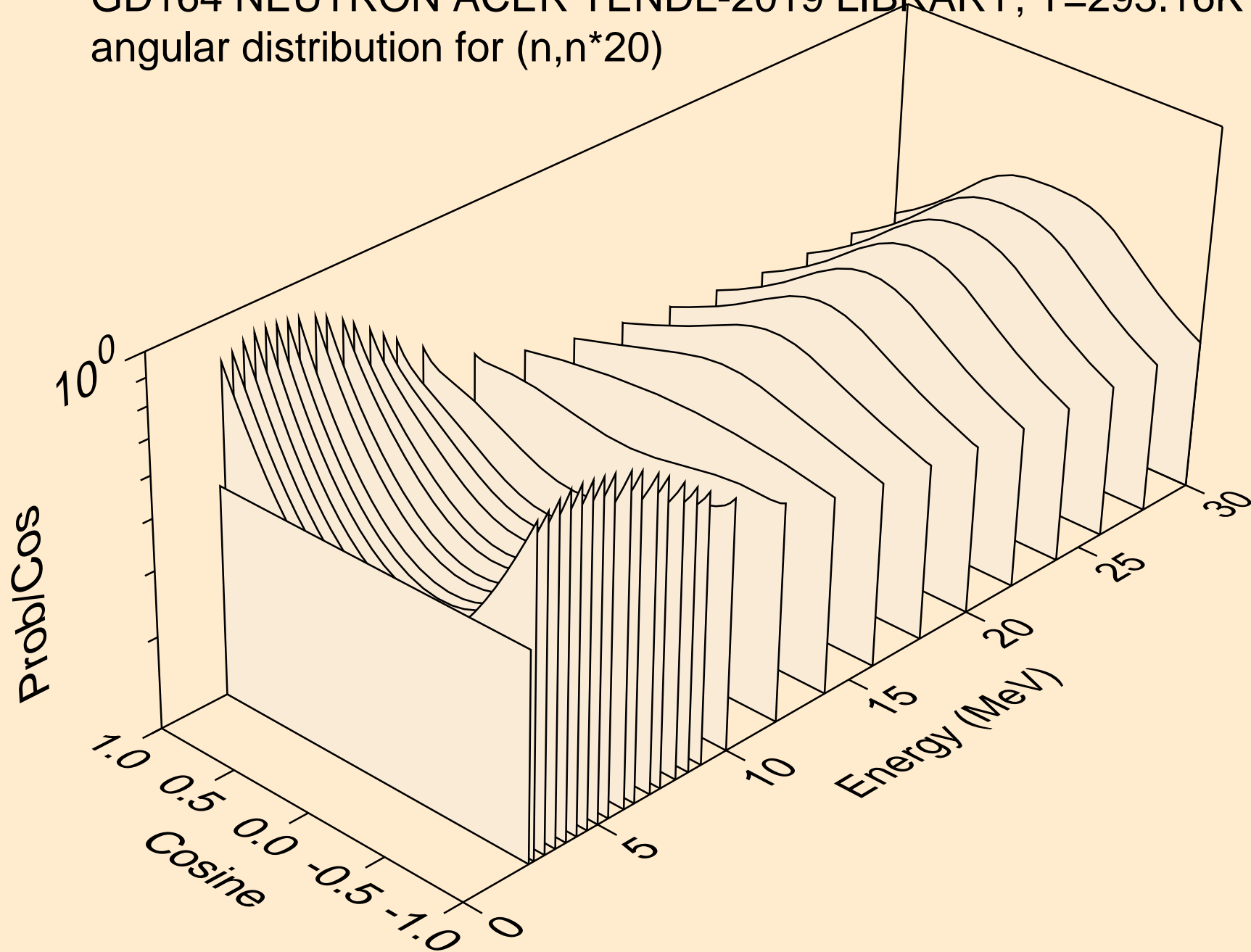
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angular distribution for (n,n\*18)



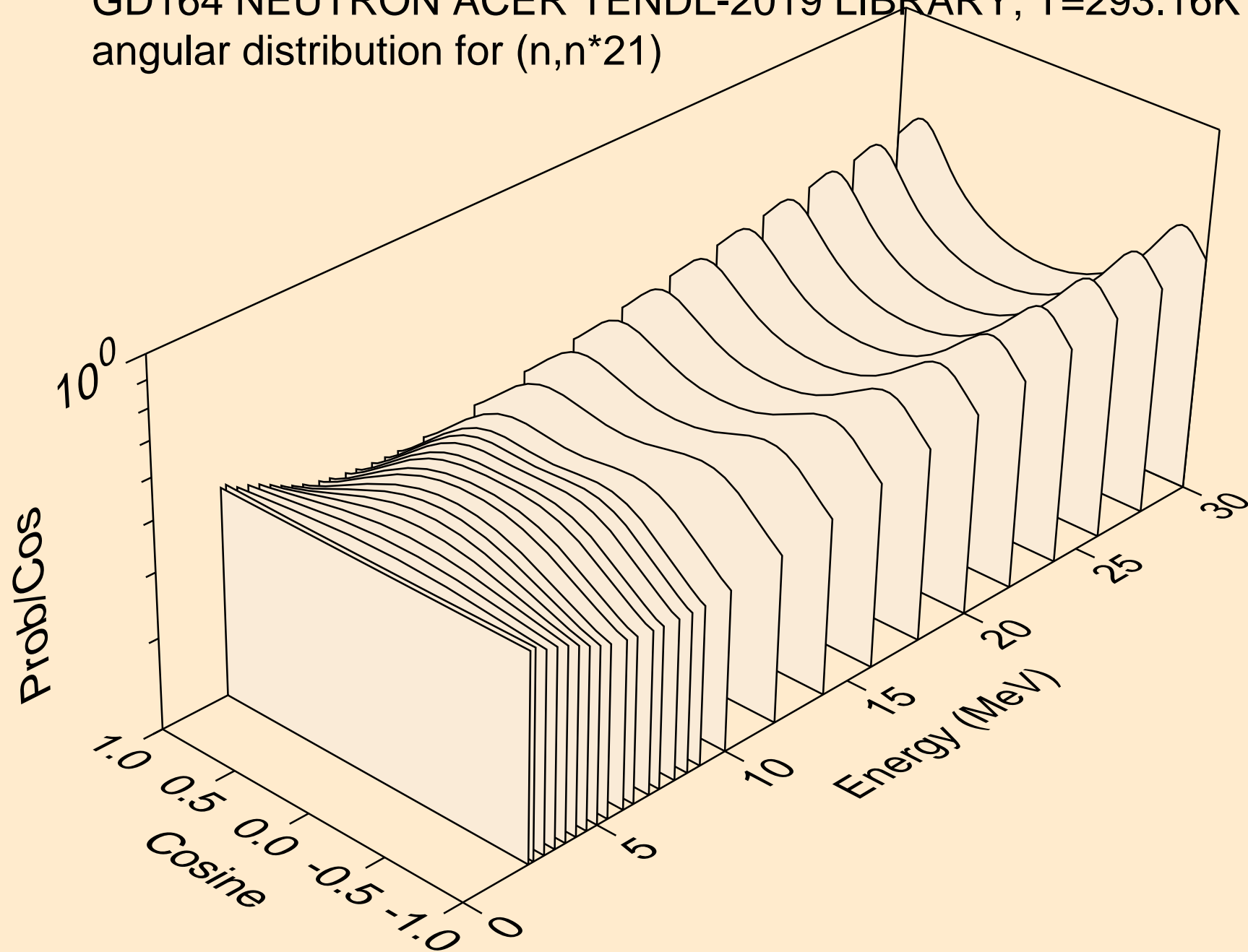
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angular distribution for (n,n\*19)



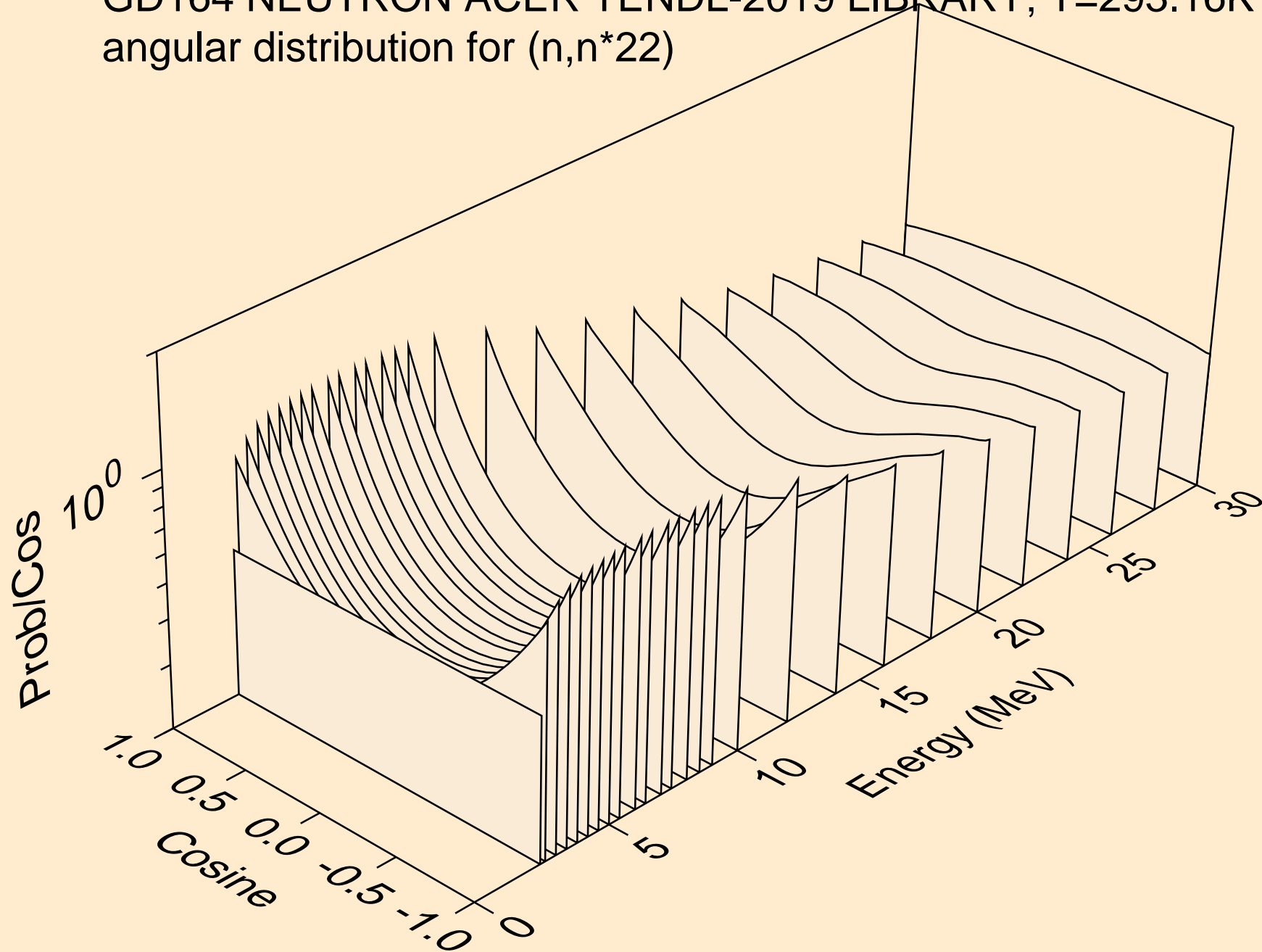
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angular distribution for (n,n\*20)



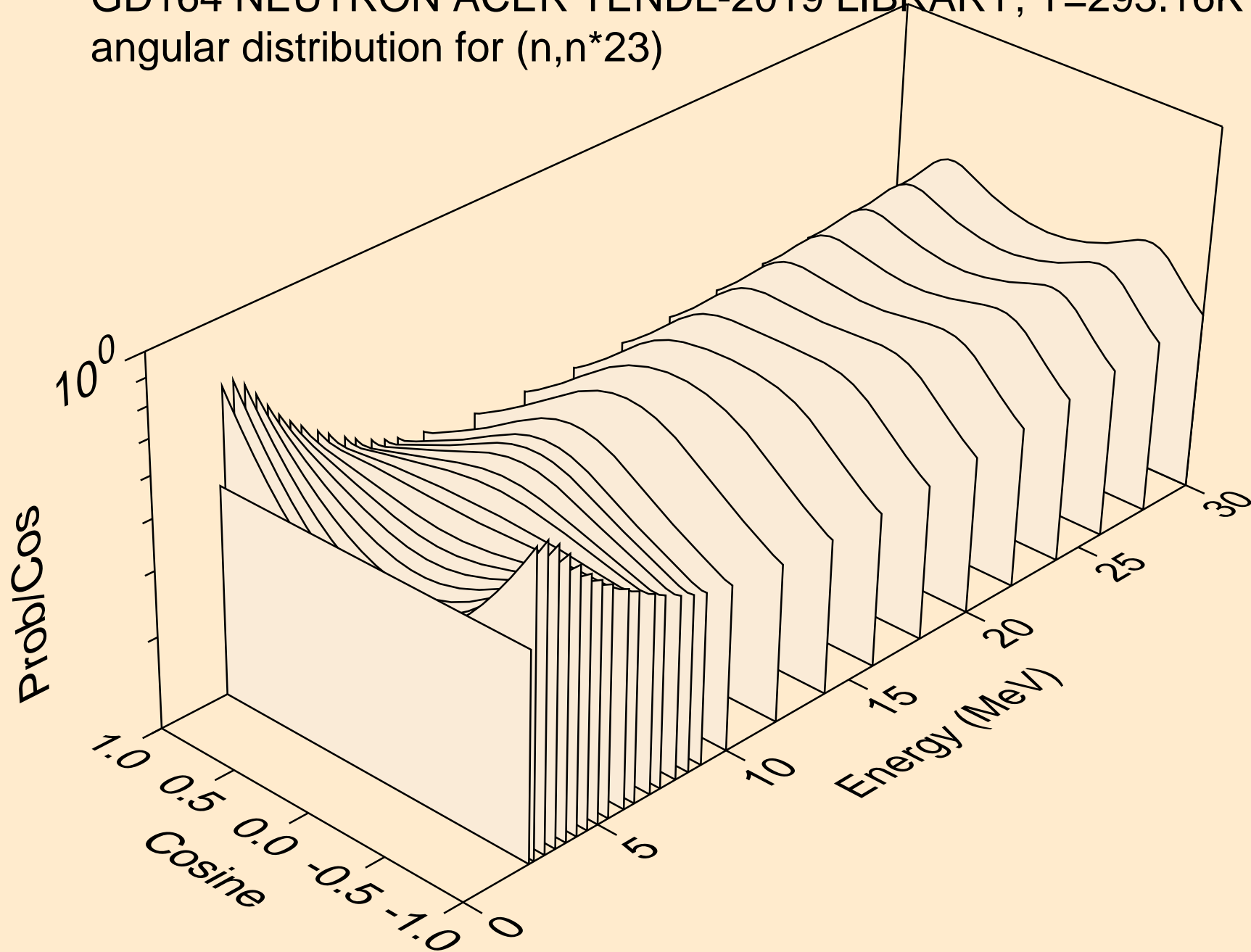
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angular distribution for (n,n\*21)



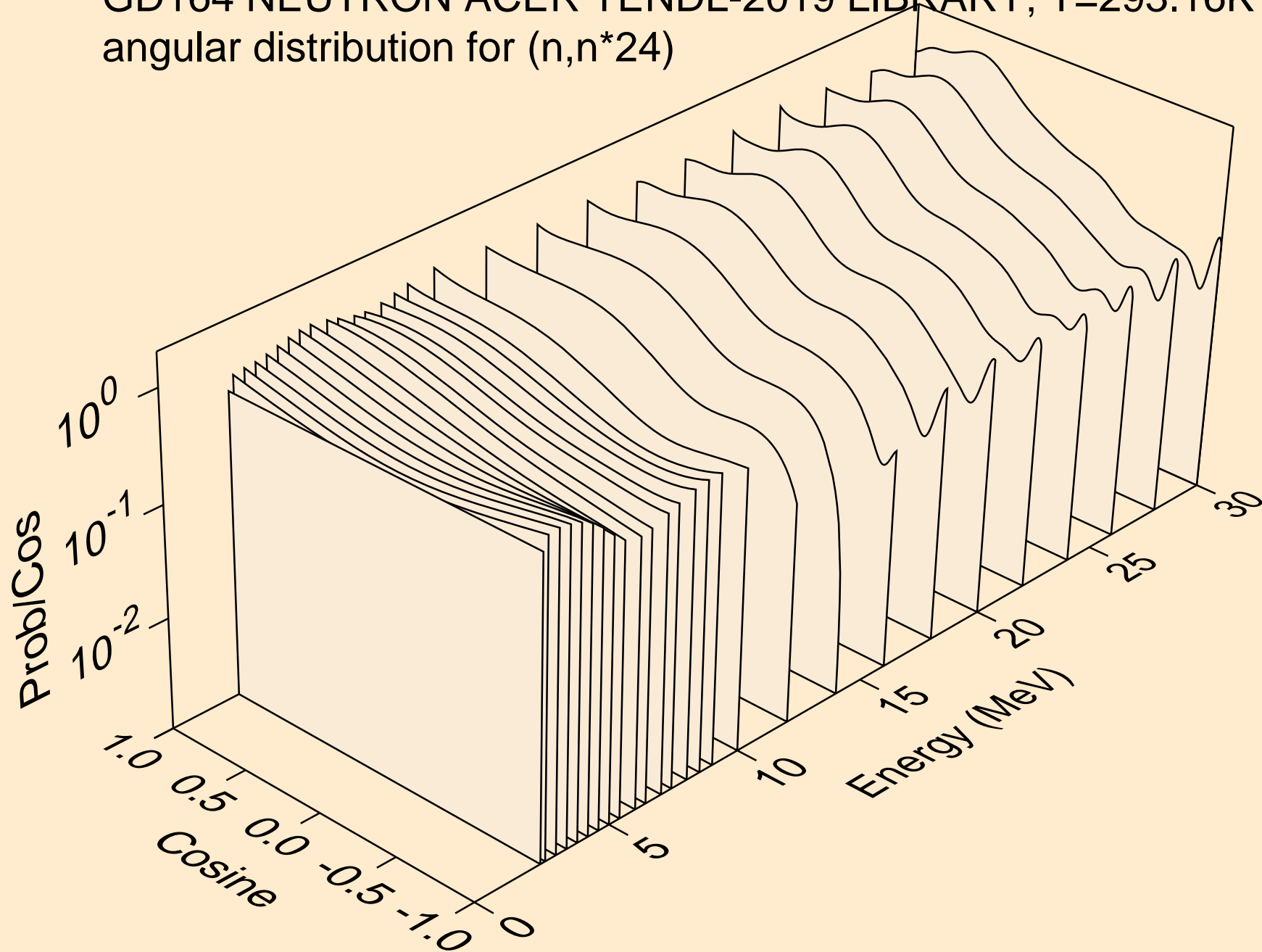
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

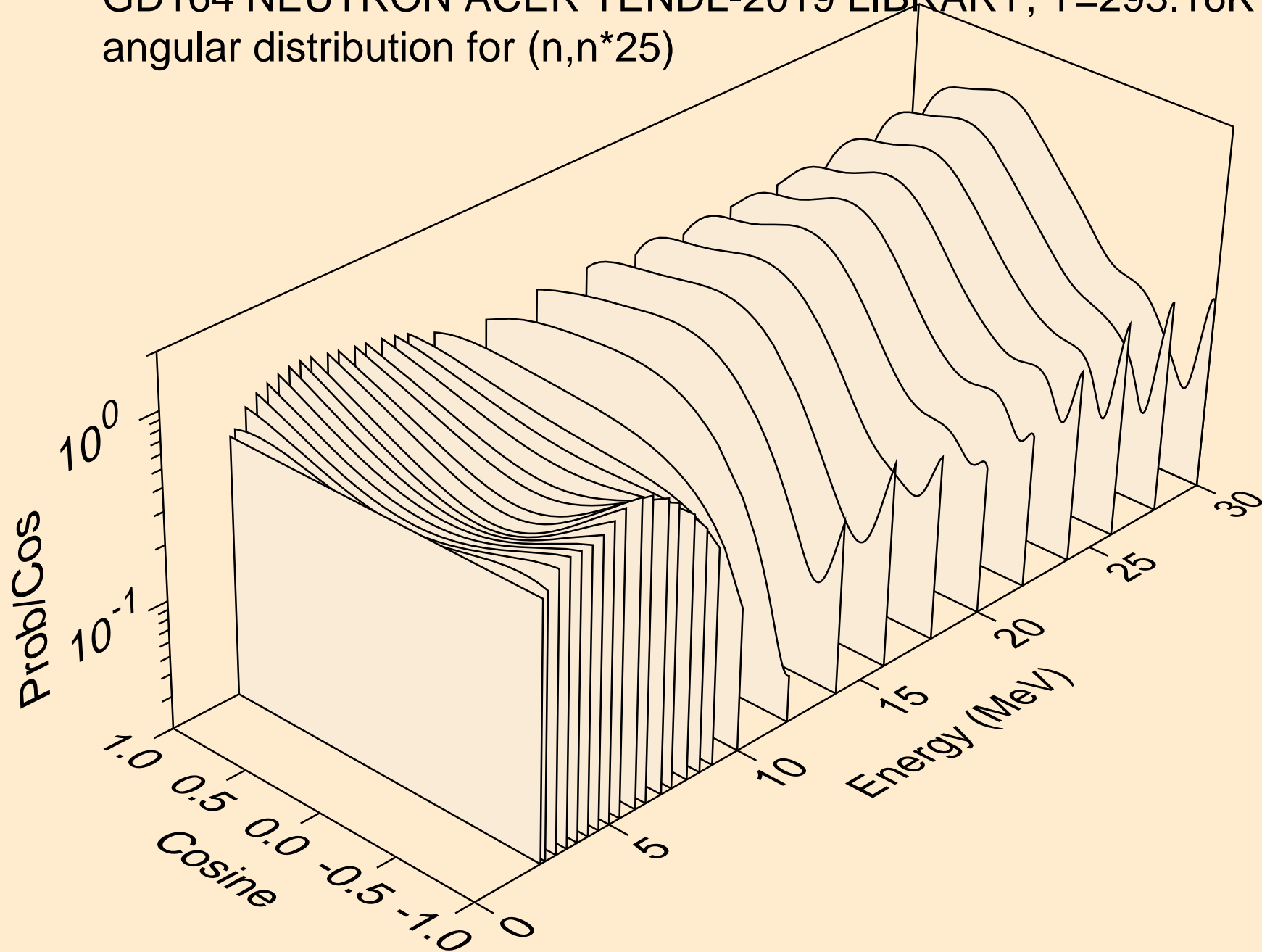


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

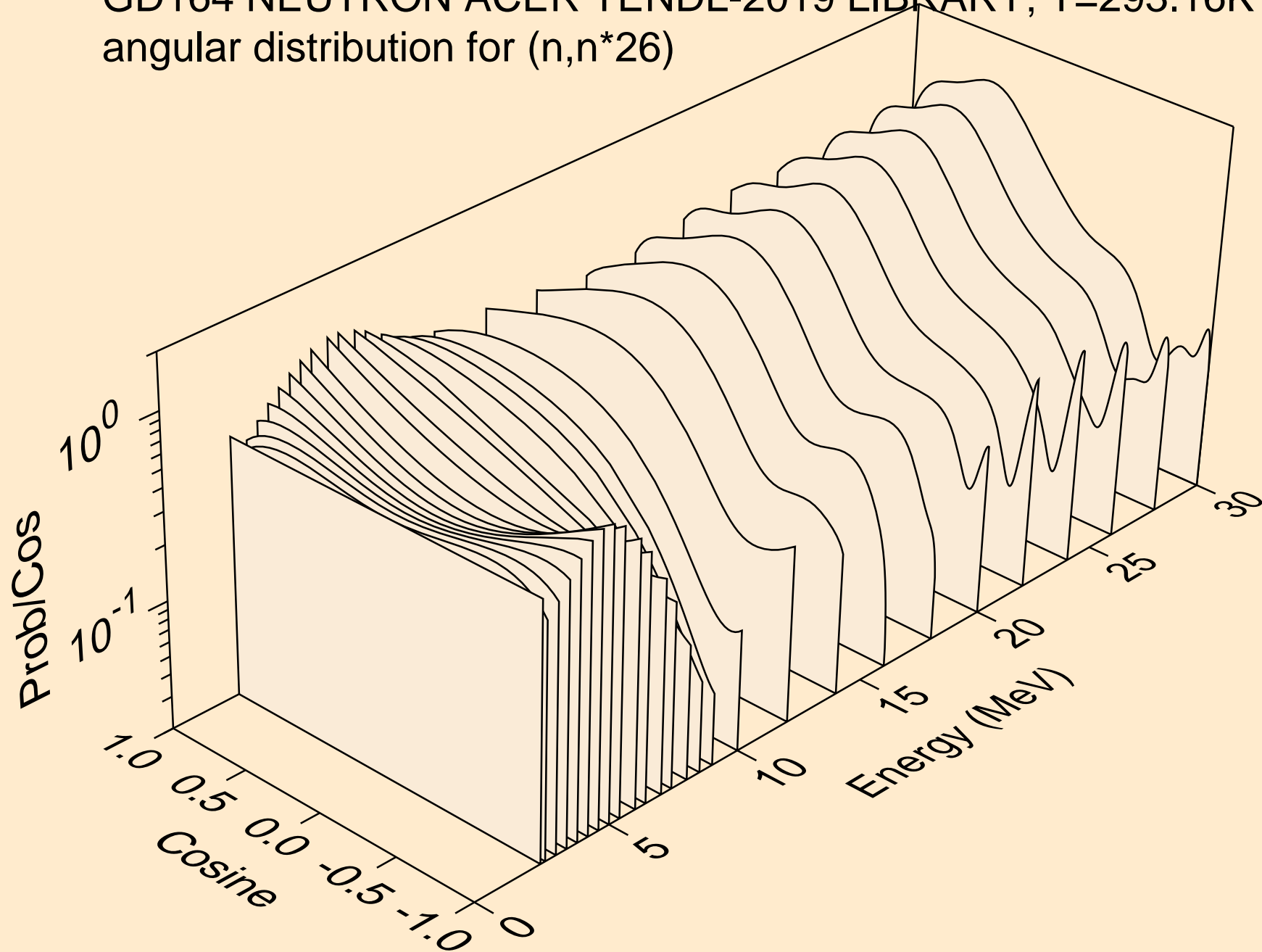




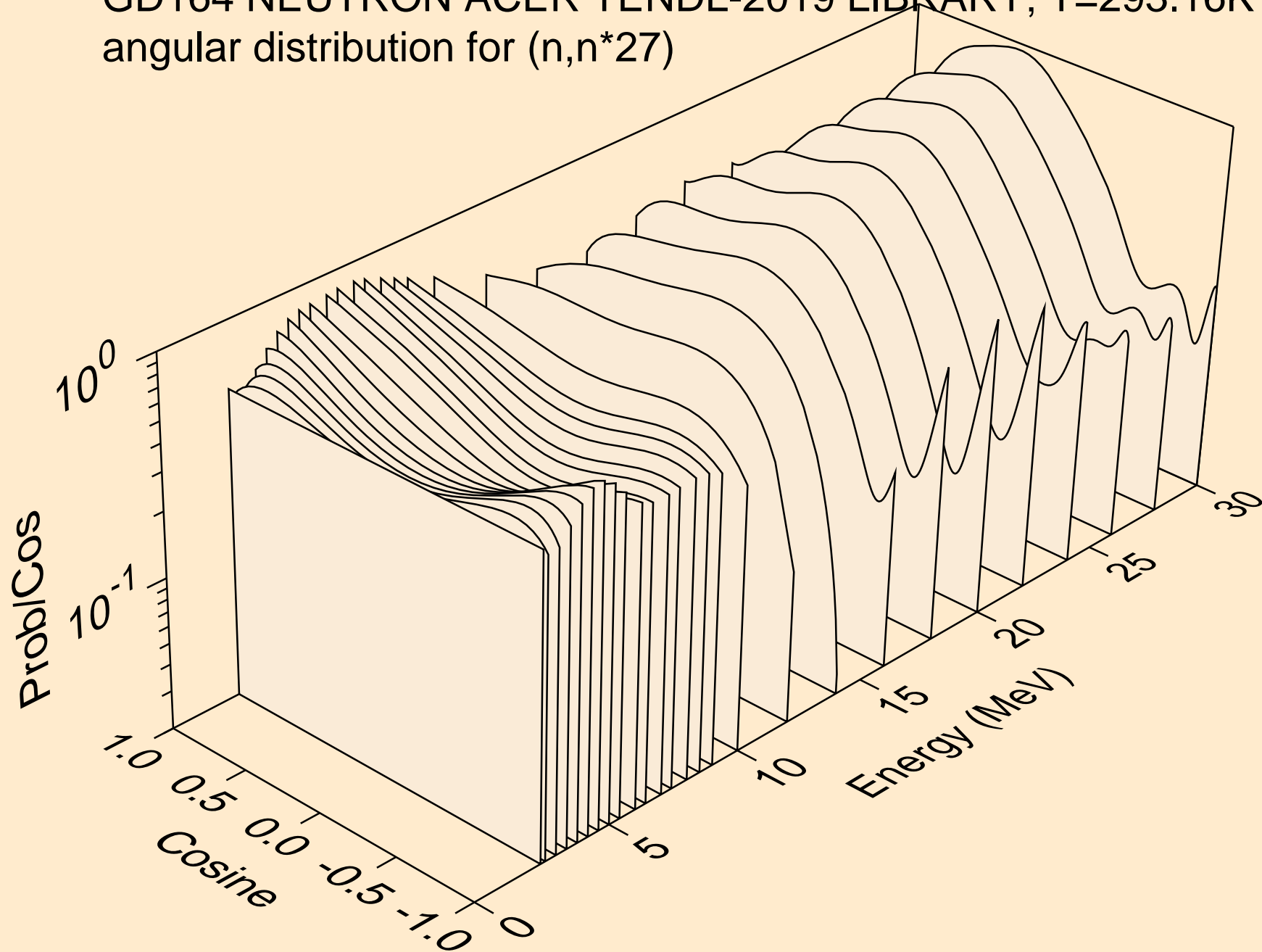
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



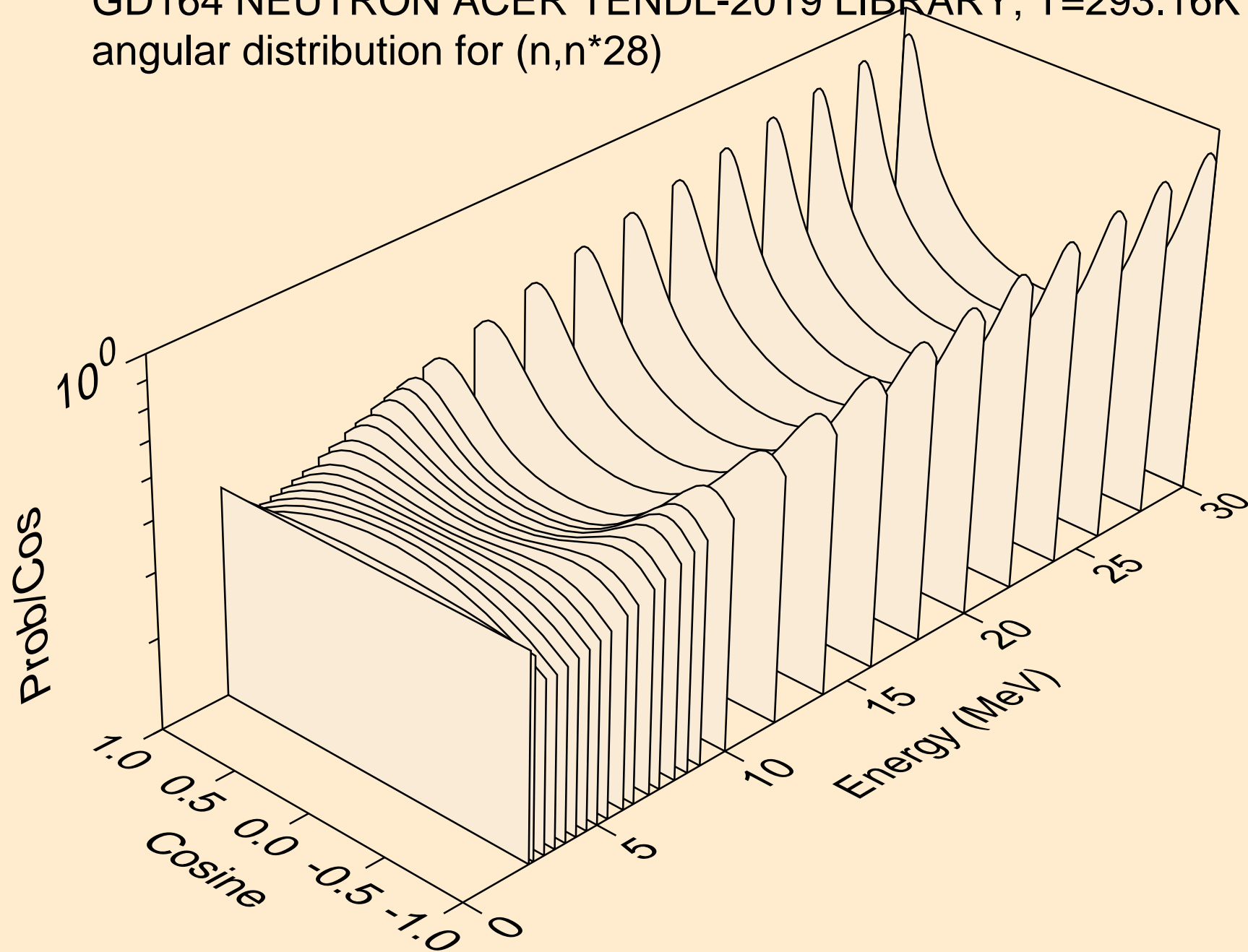
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



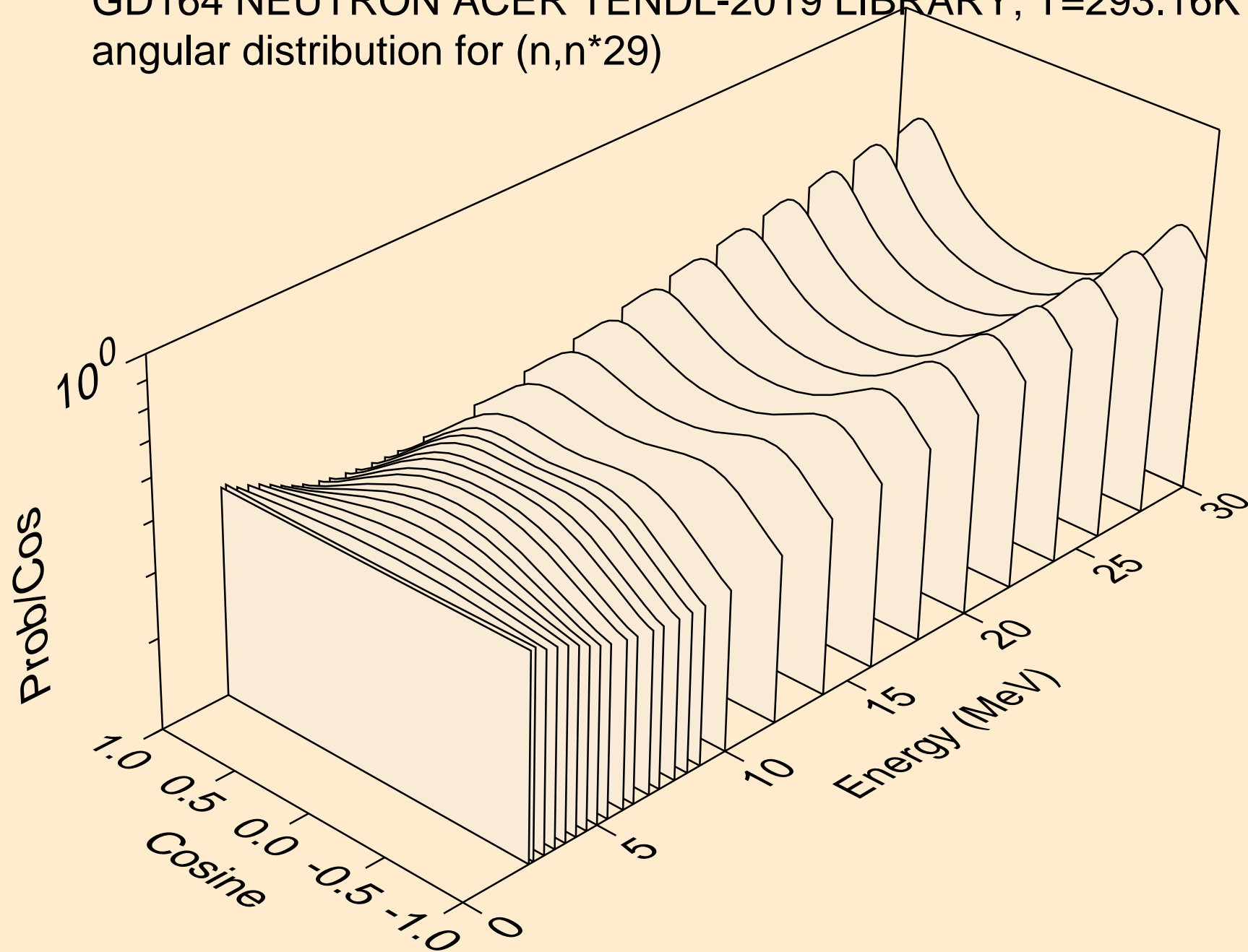
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



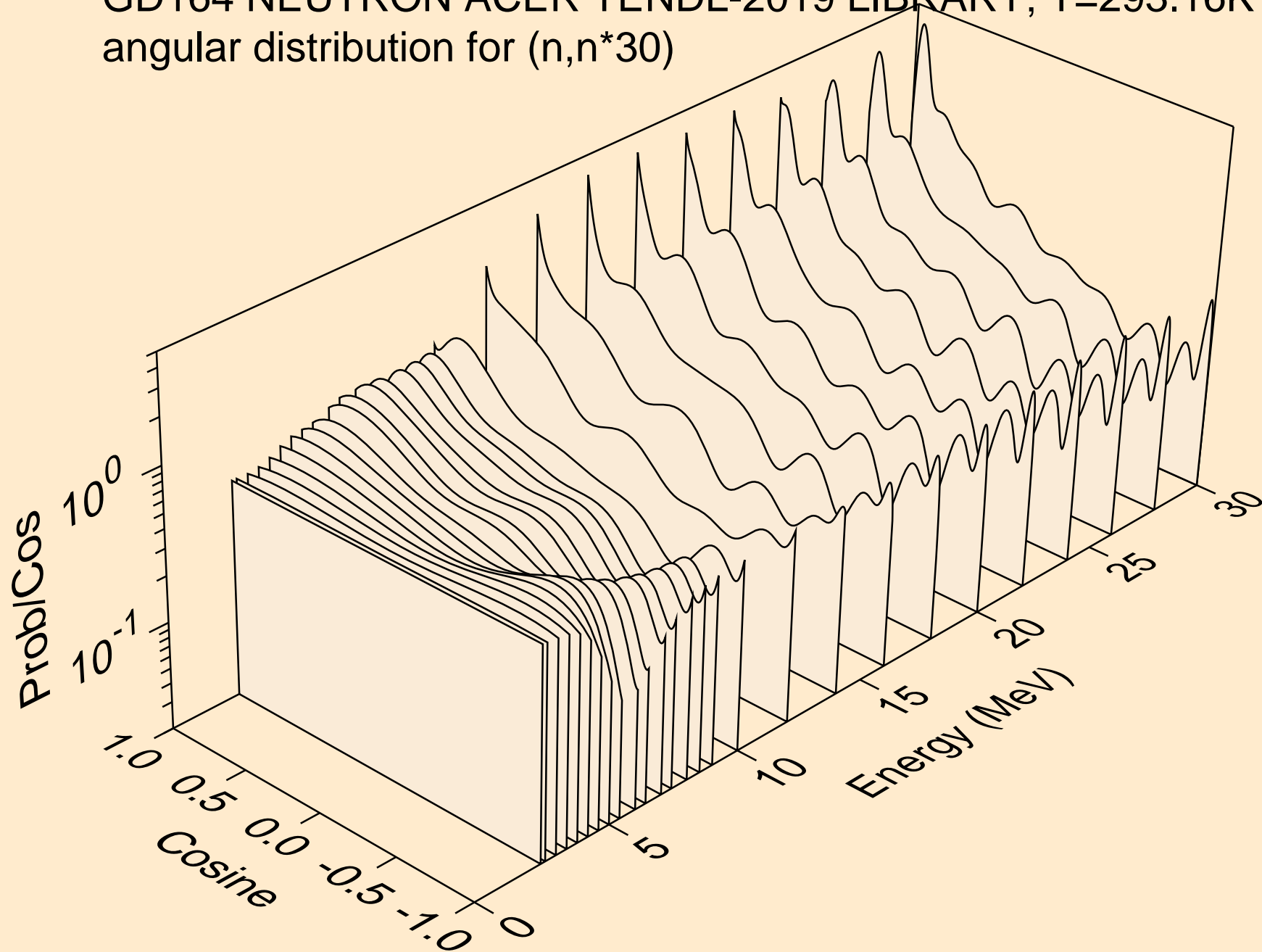
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



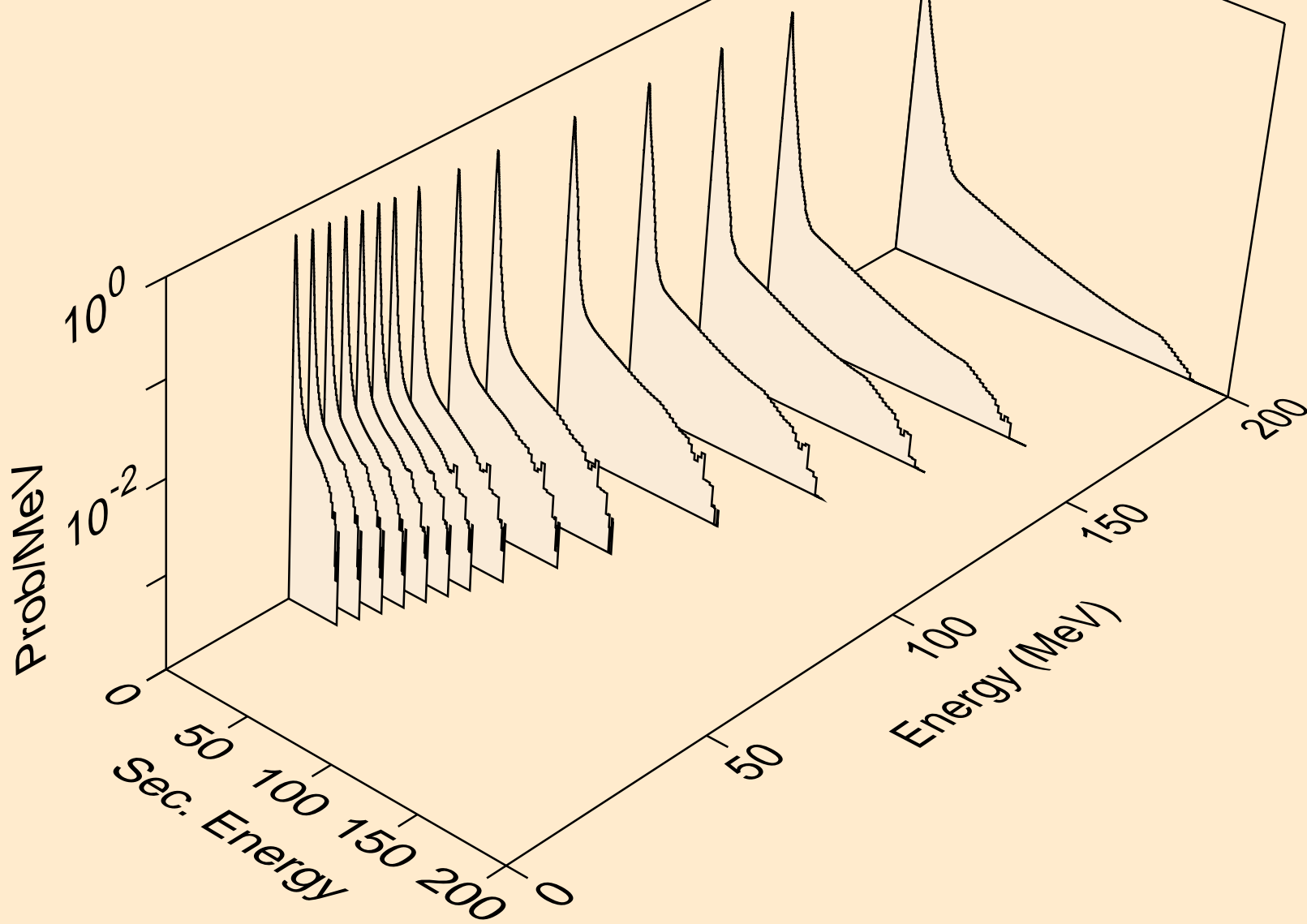
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angular distribution for (n,n\*29)



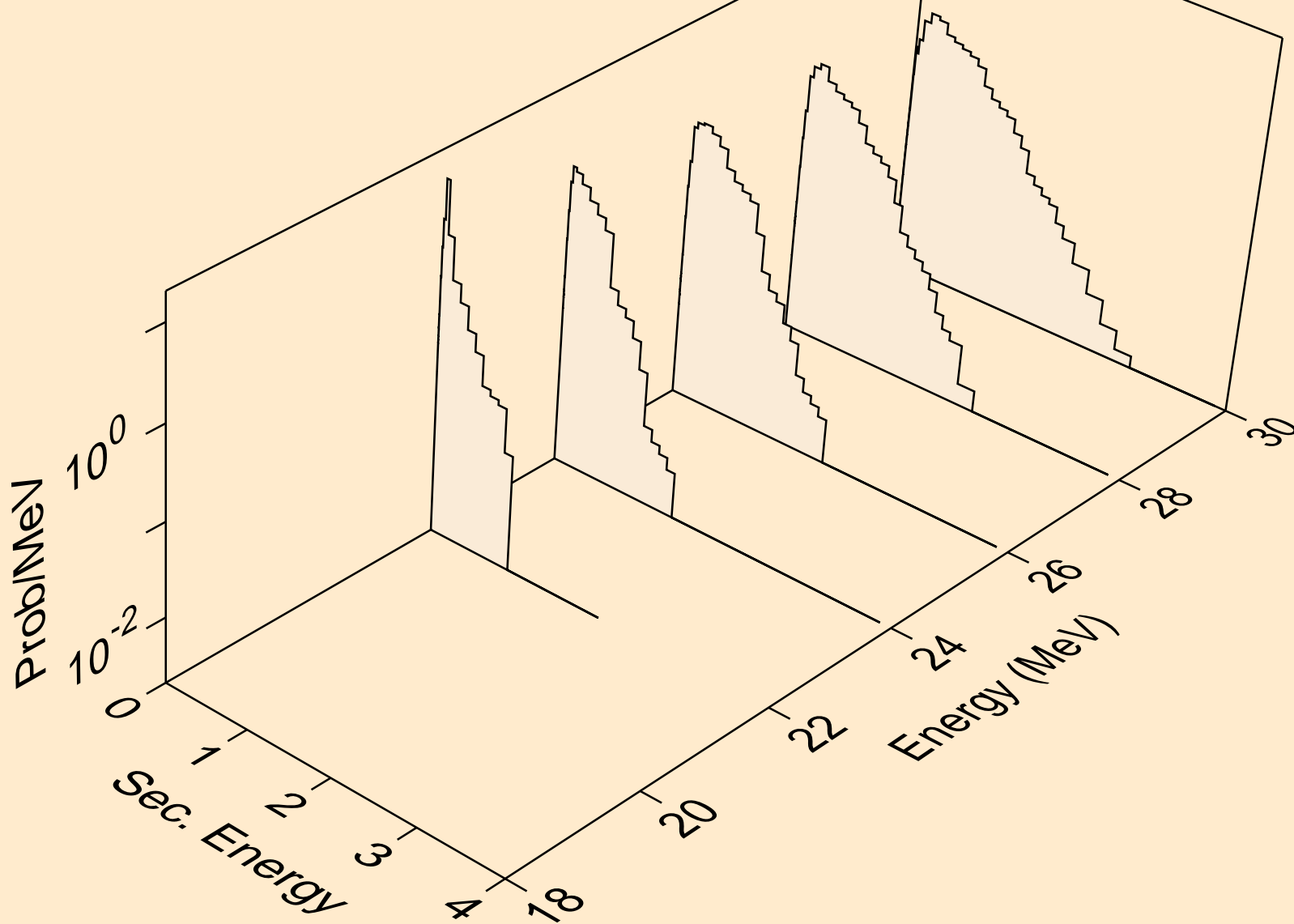
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

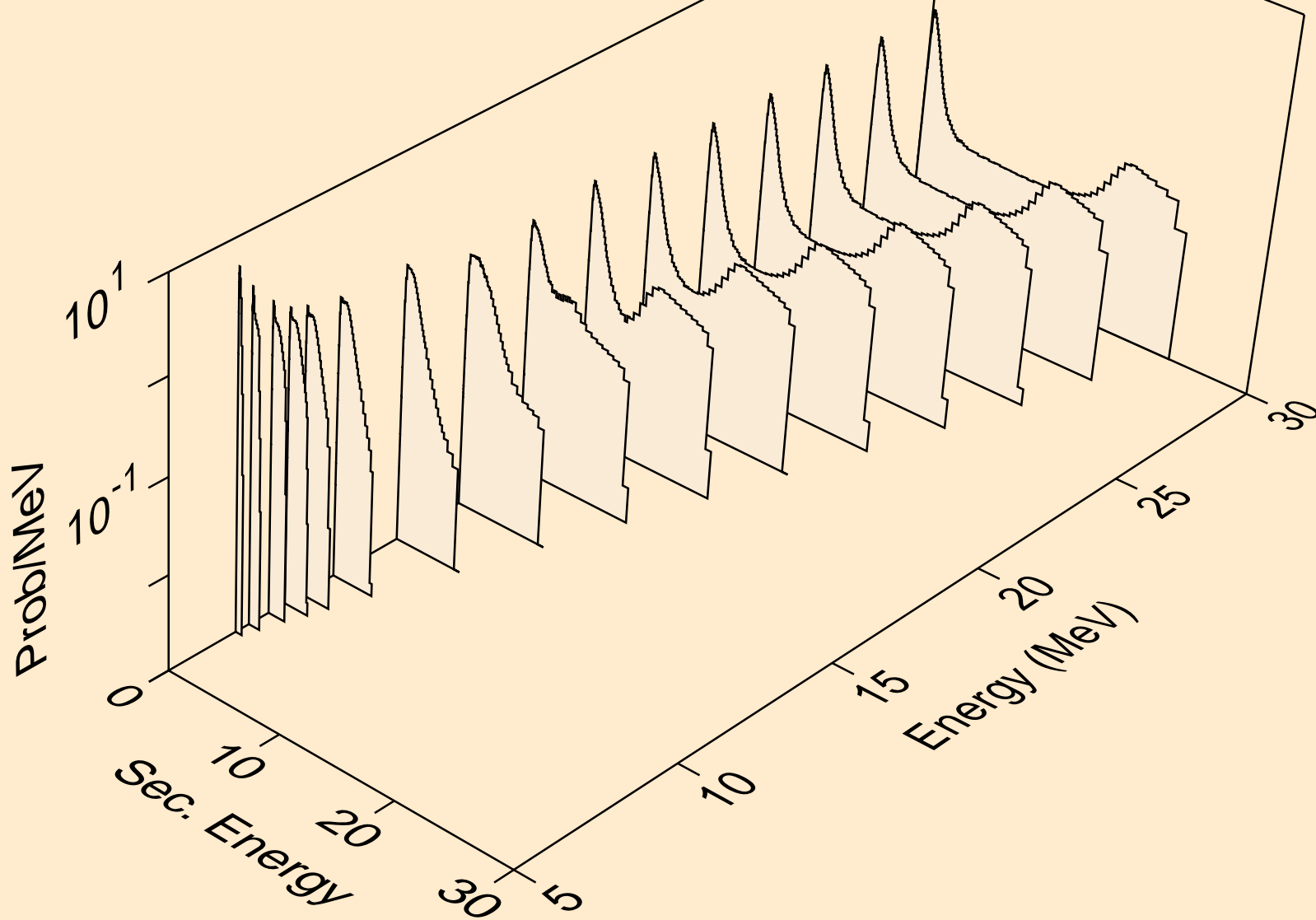


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

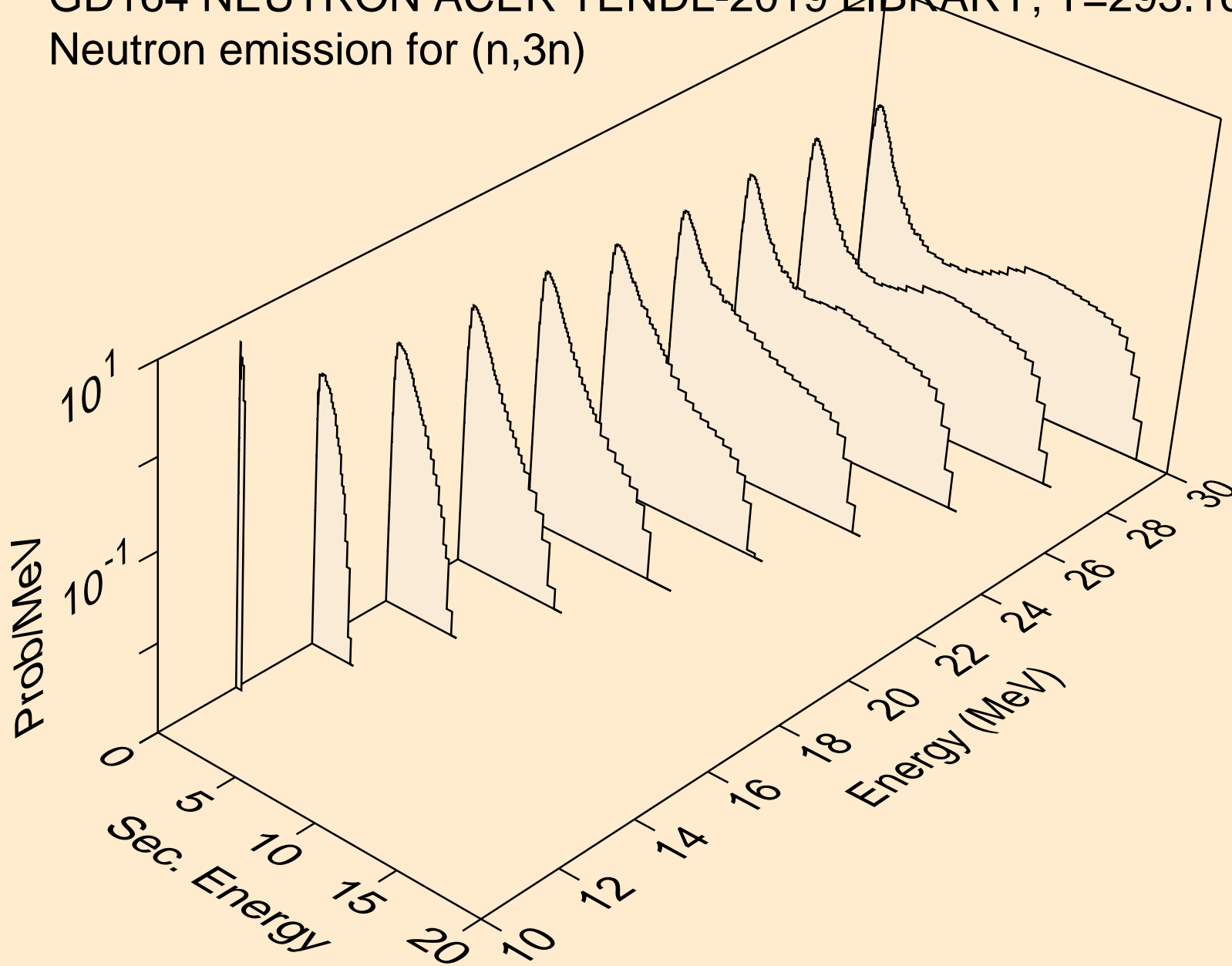




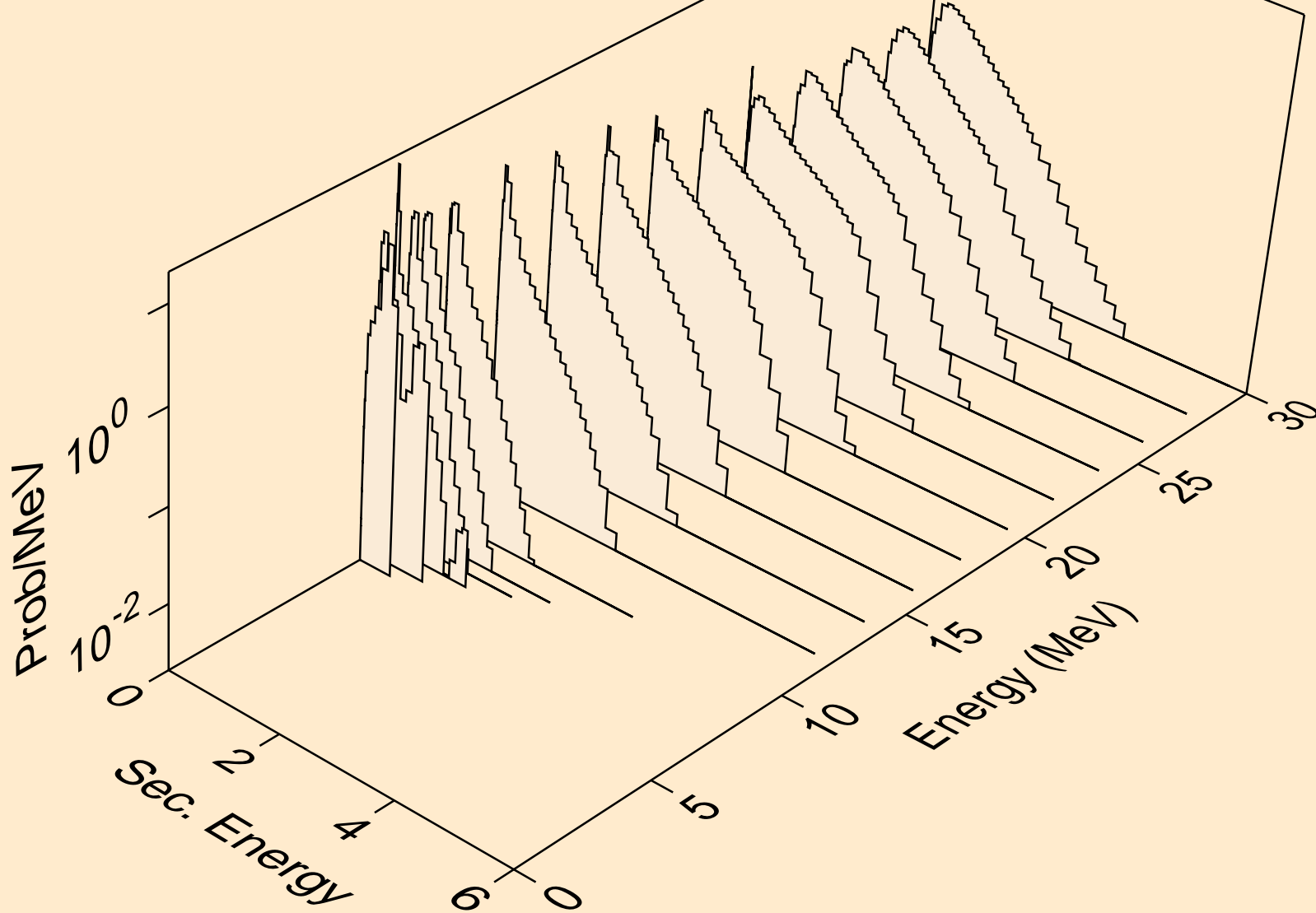
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



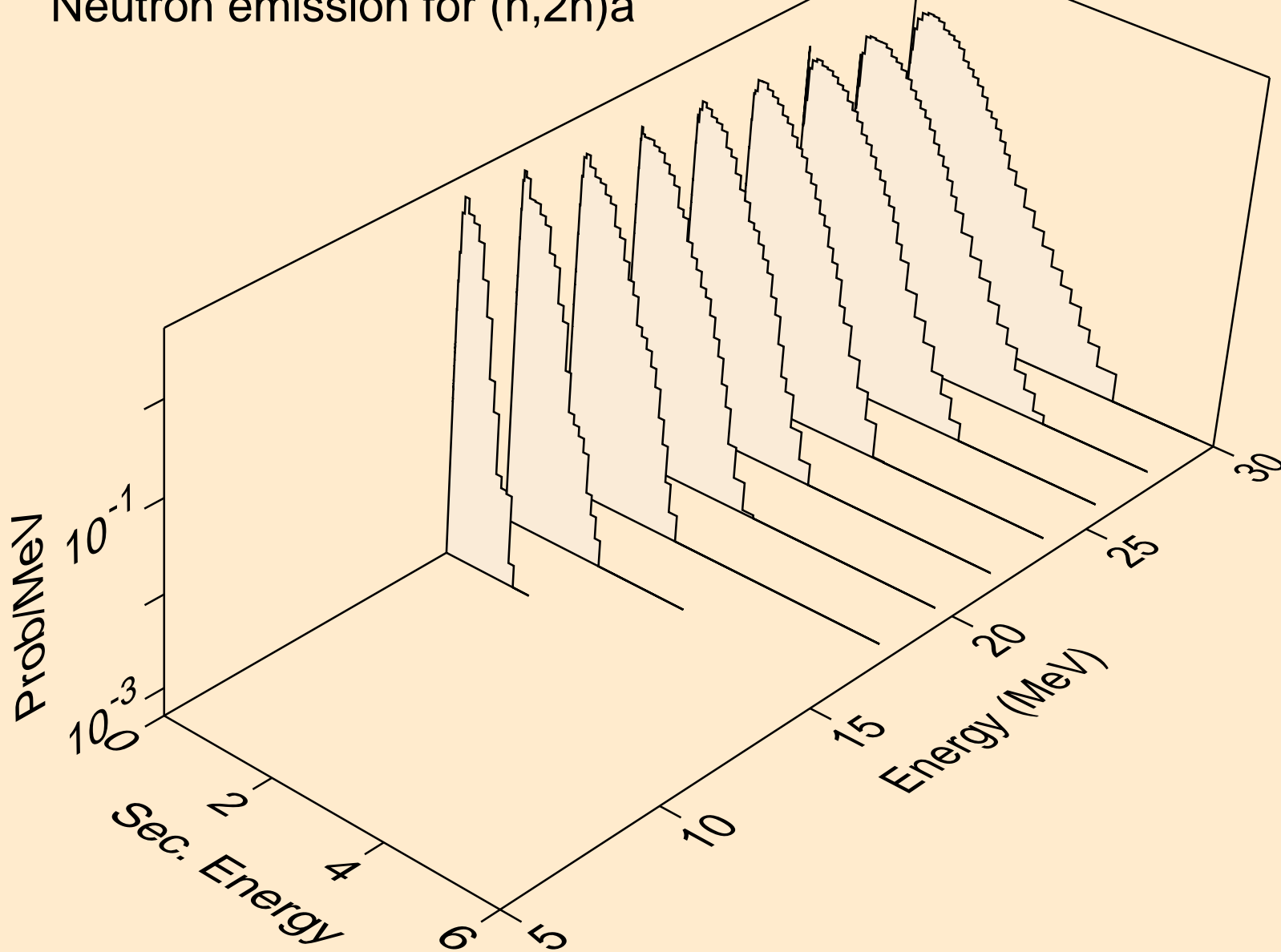
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



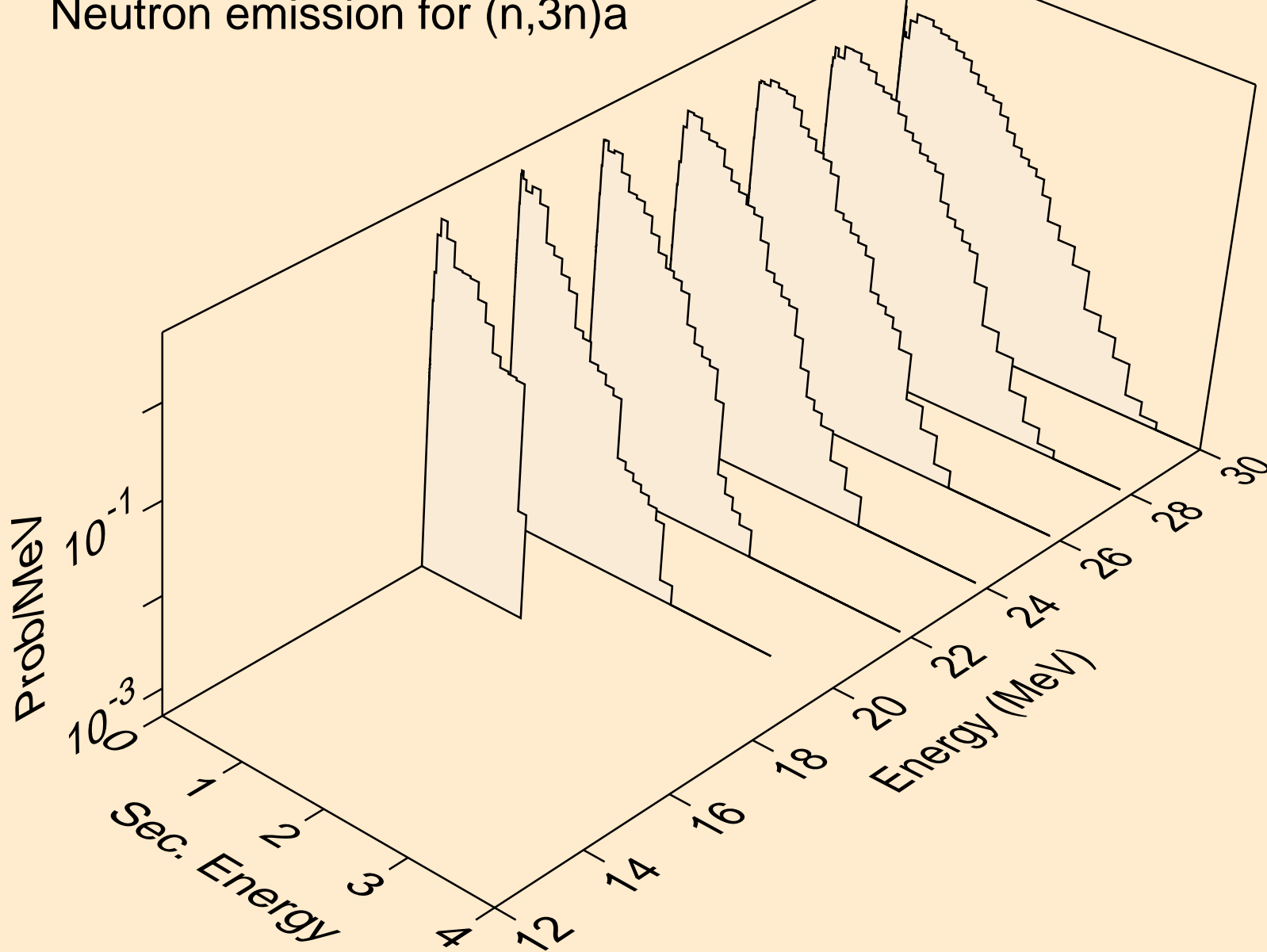
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



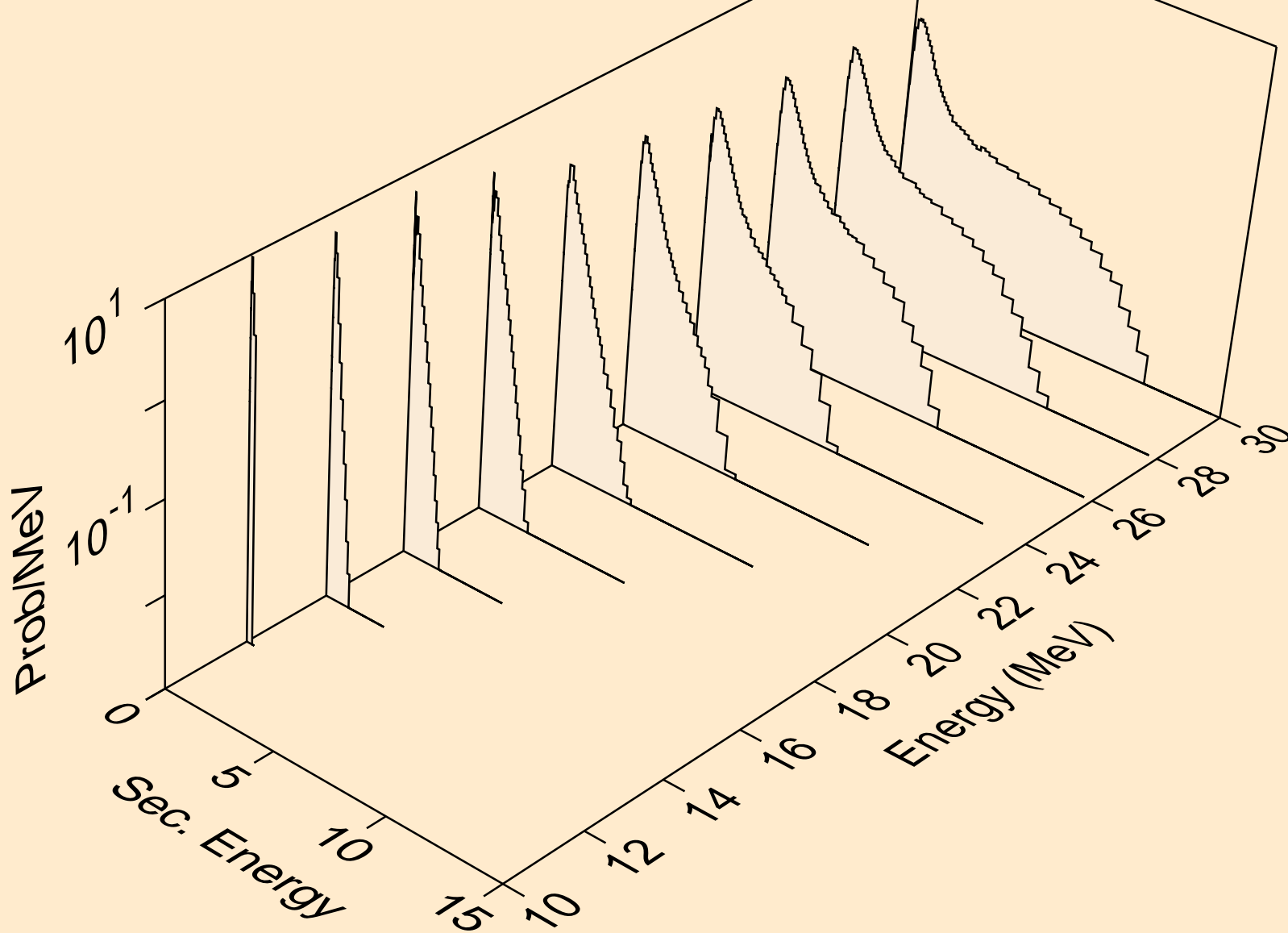
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



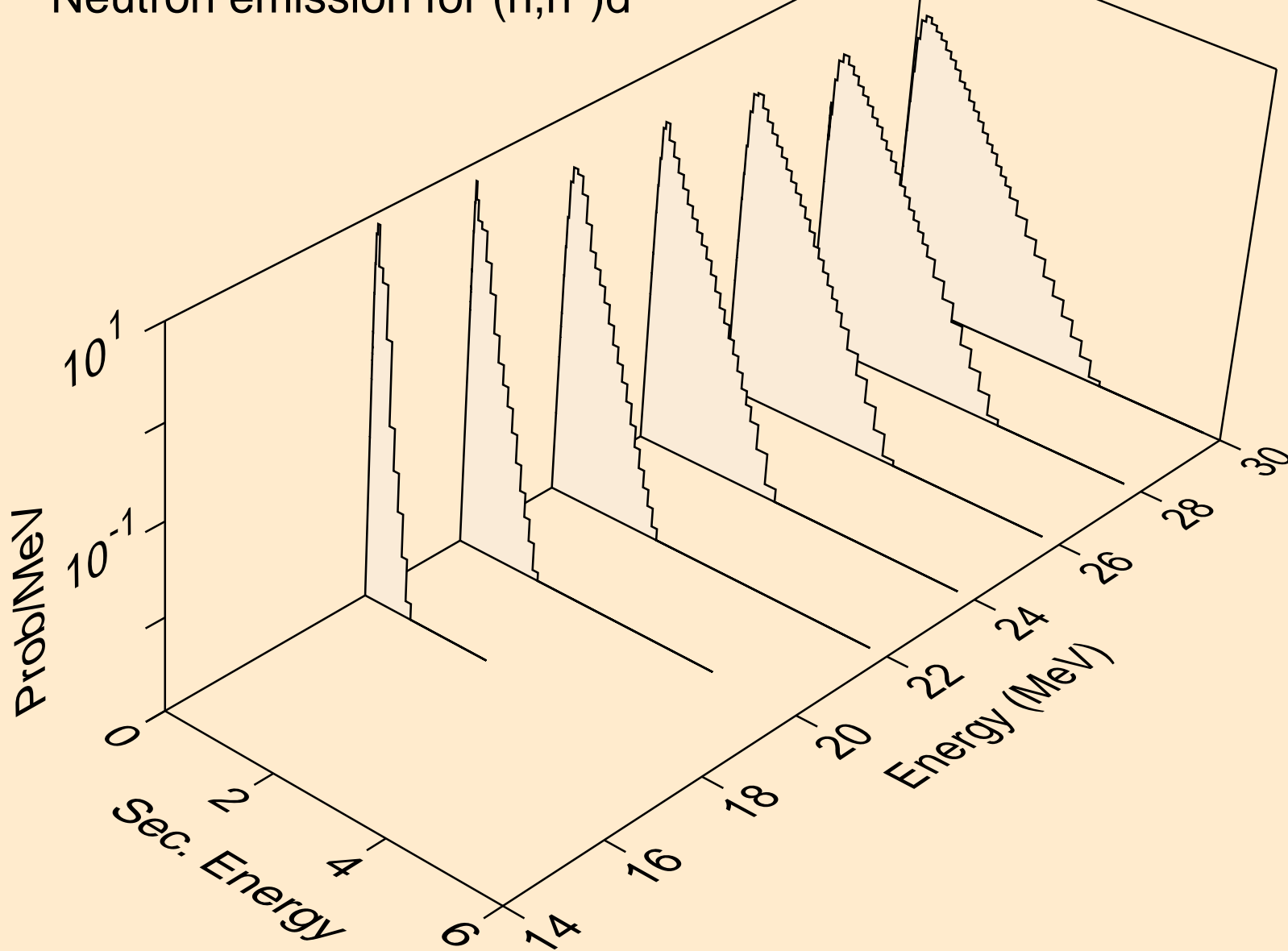
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



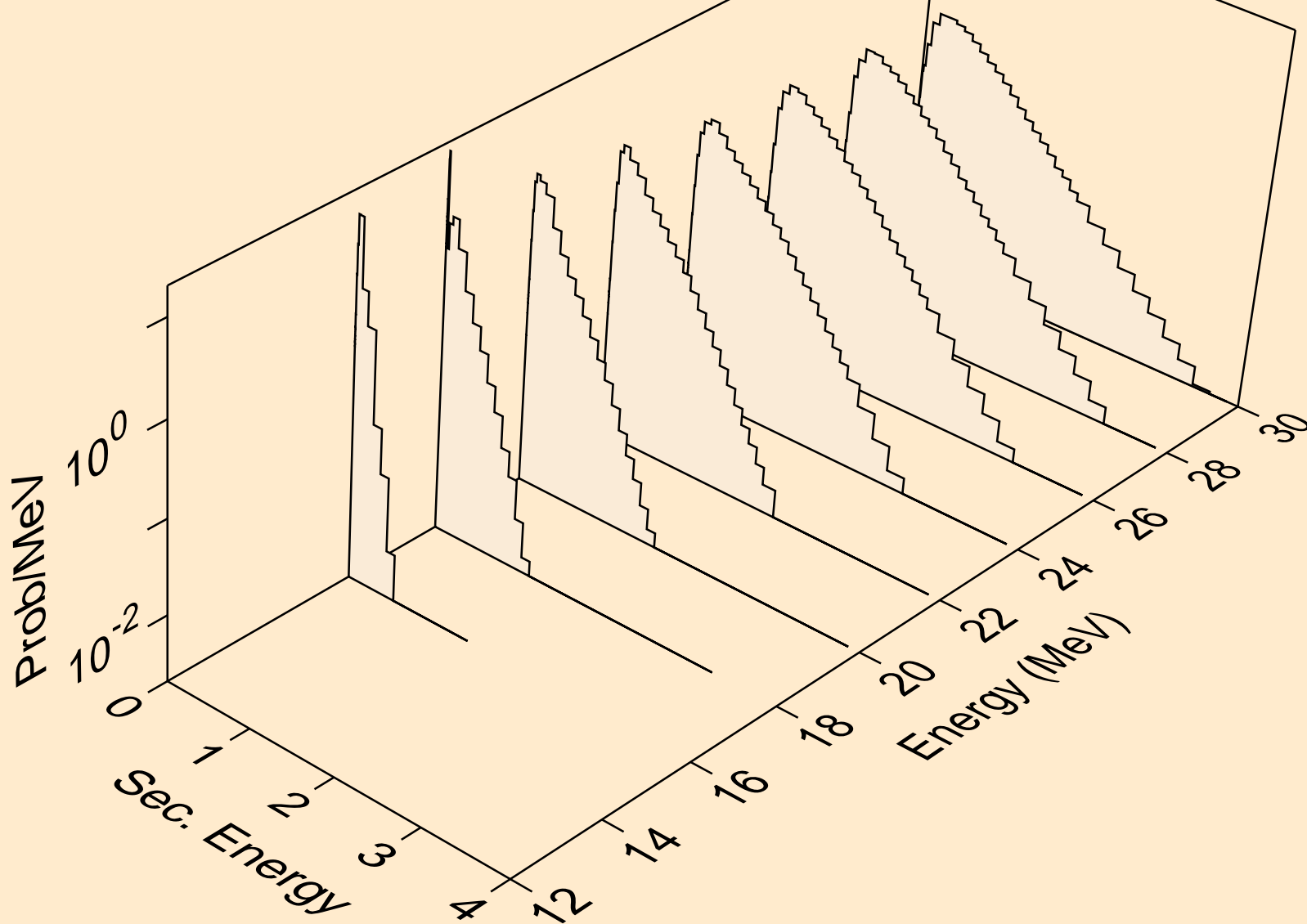
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

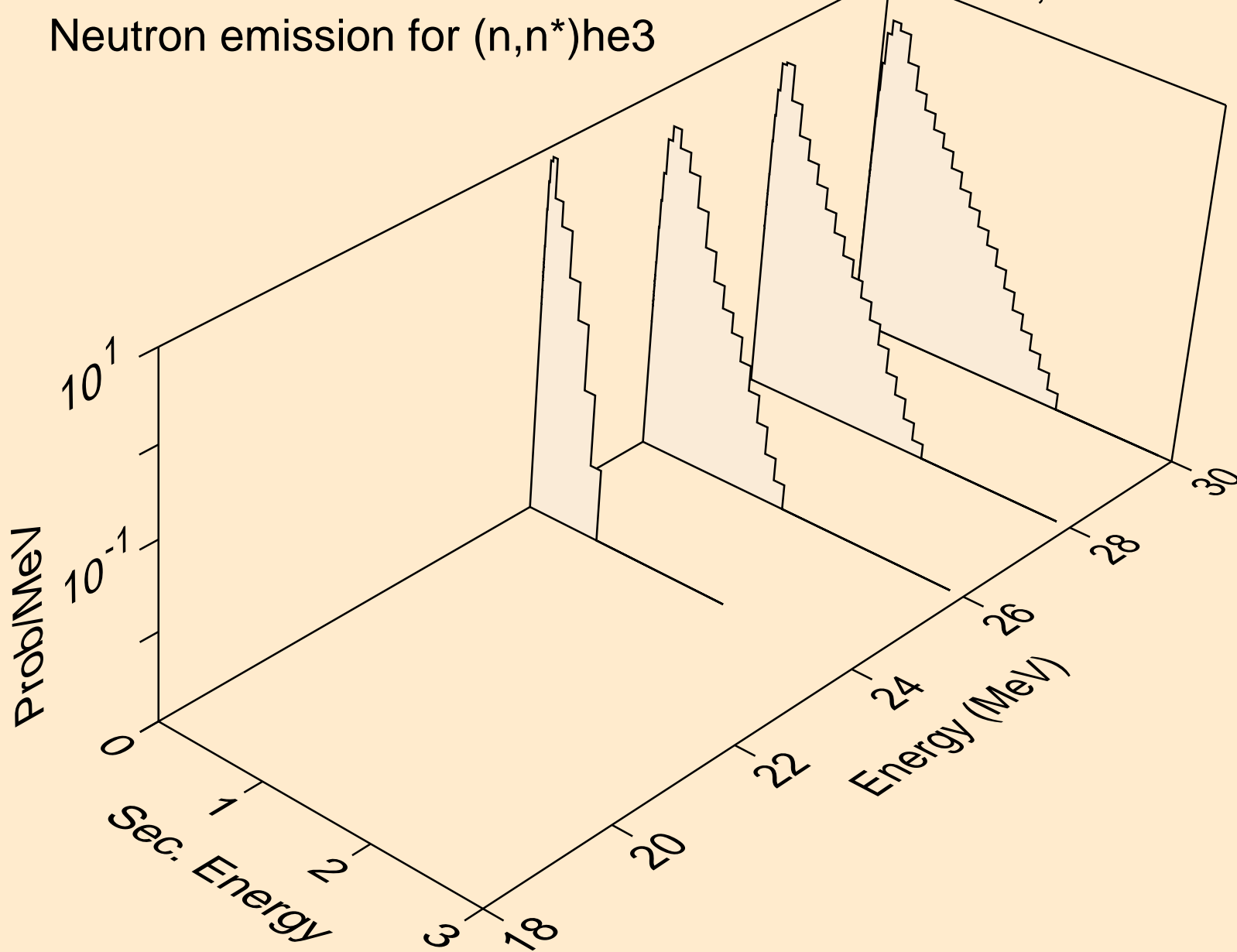


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

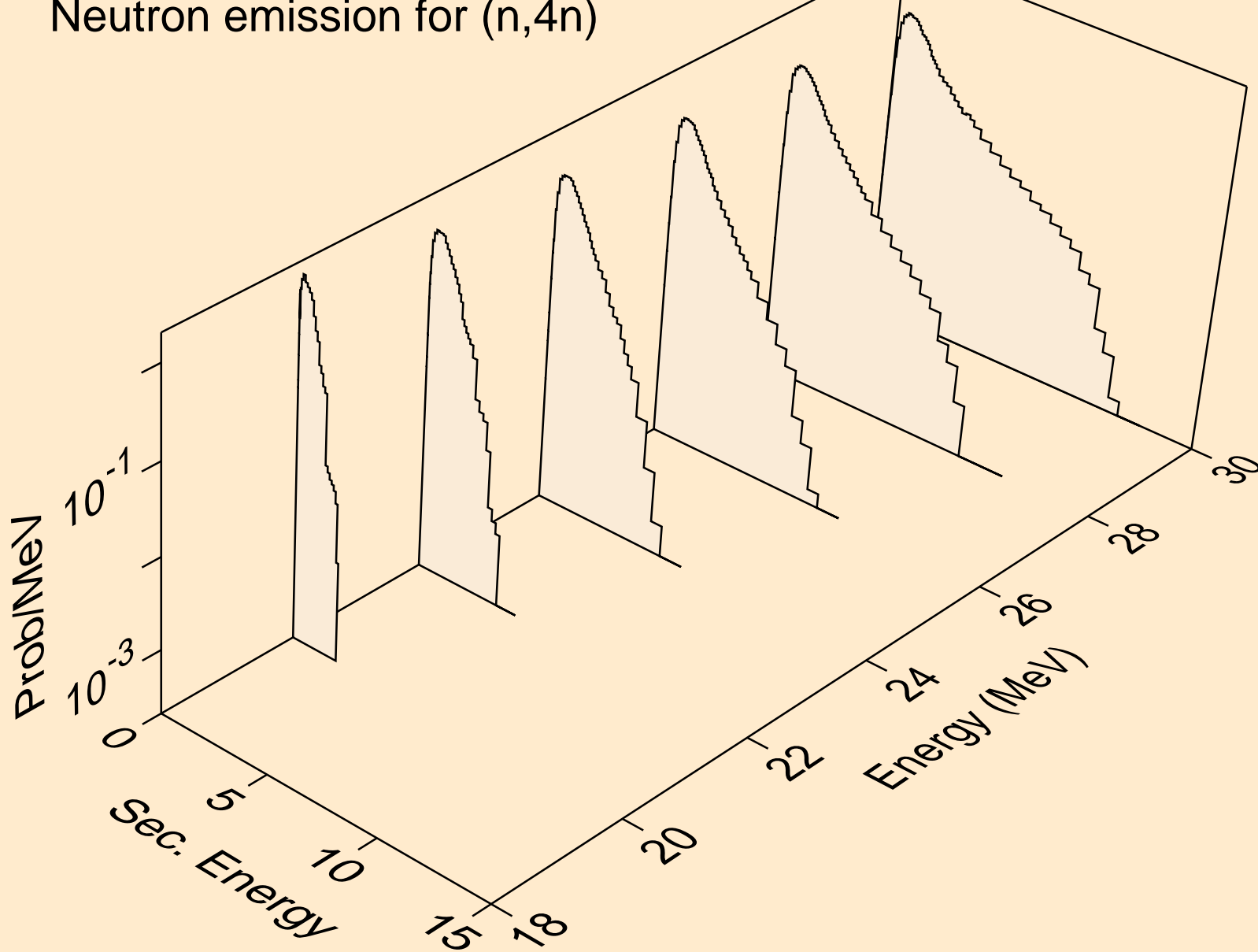




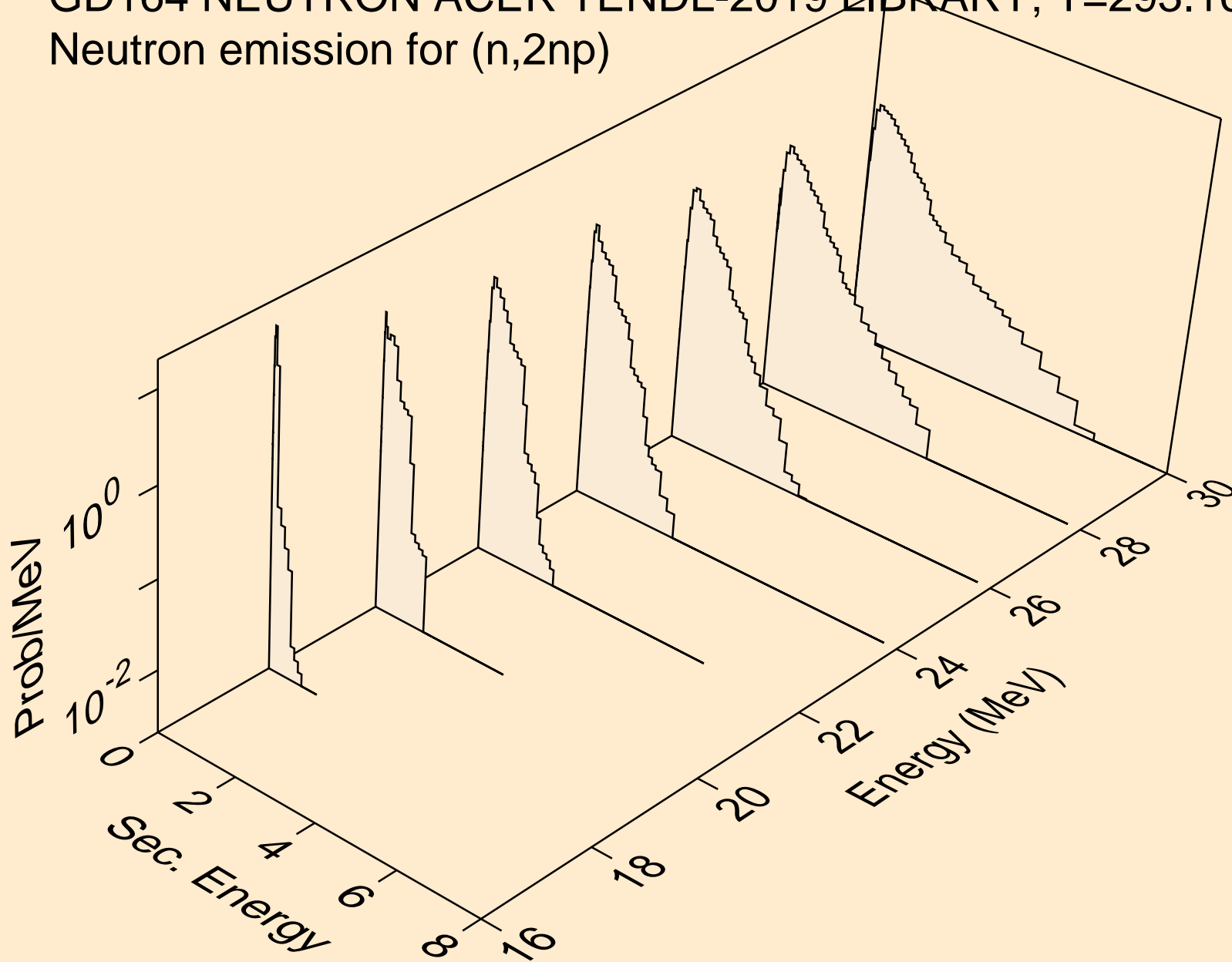
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



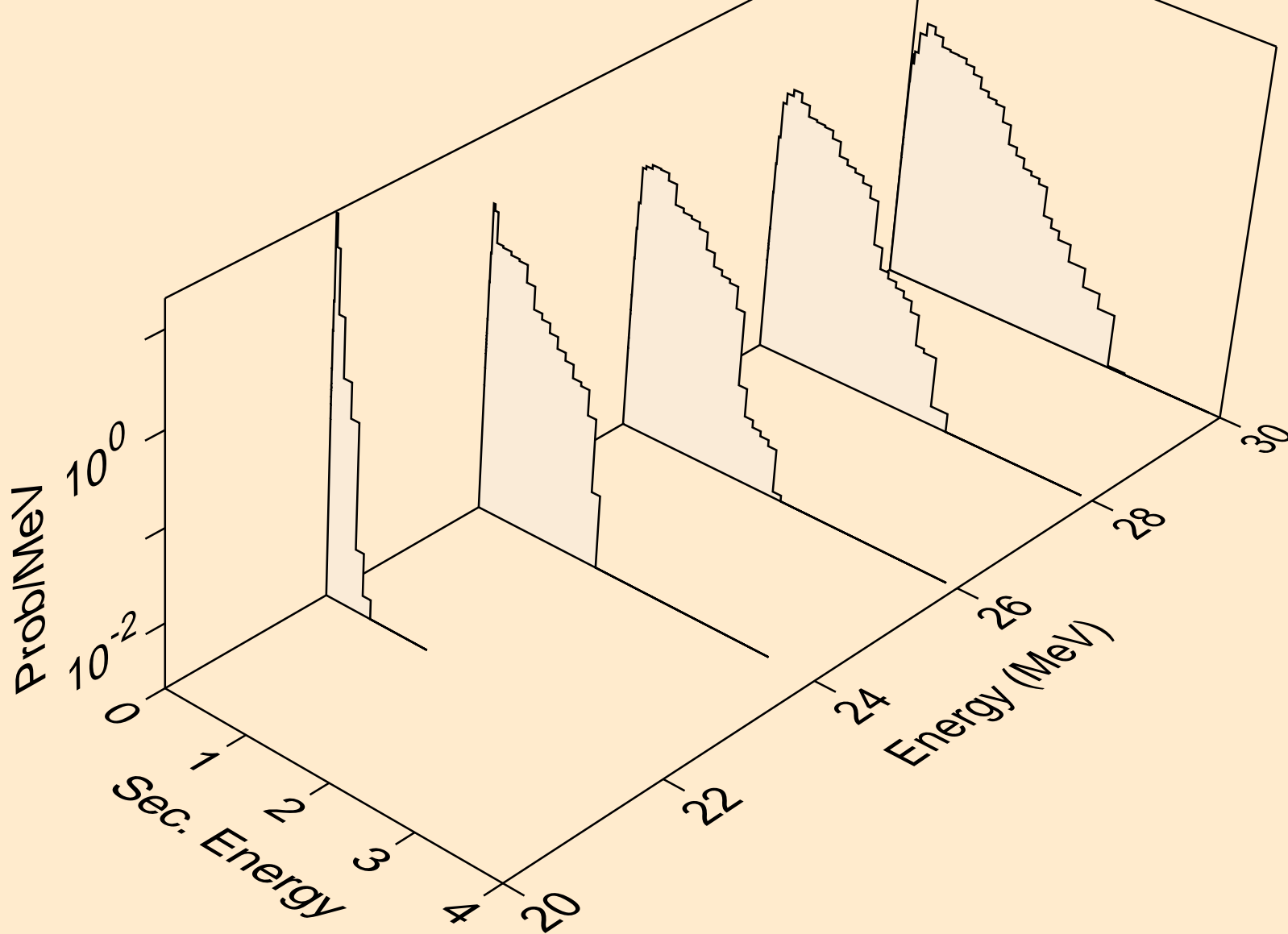
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



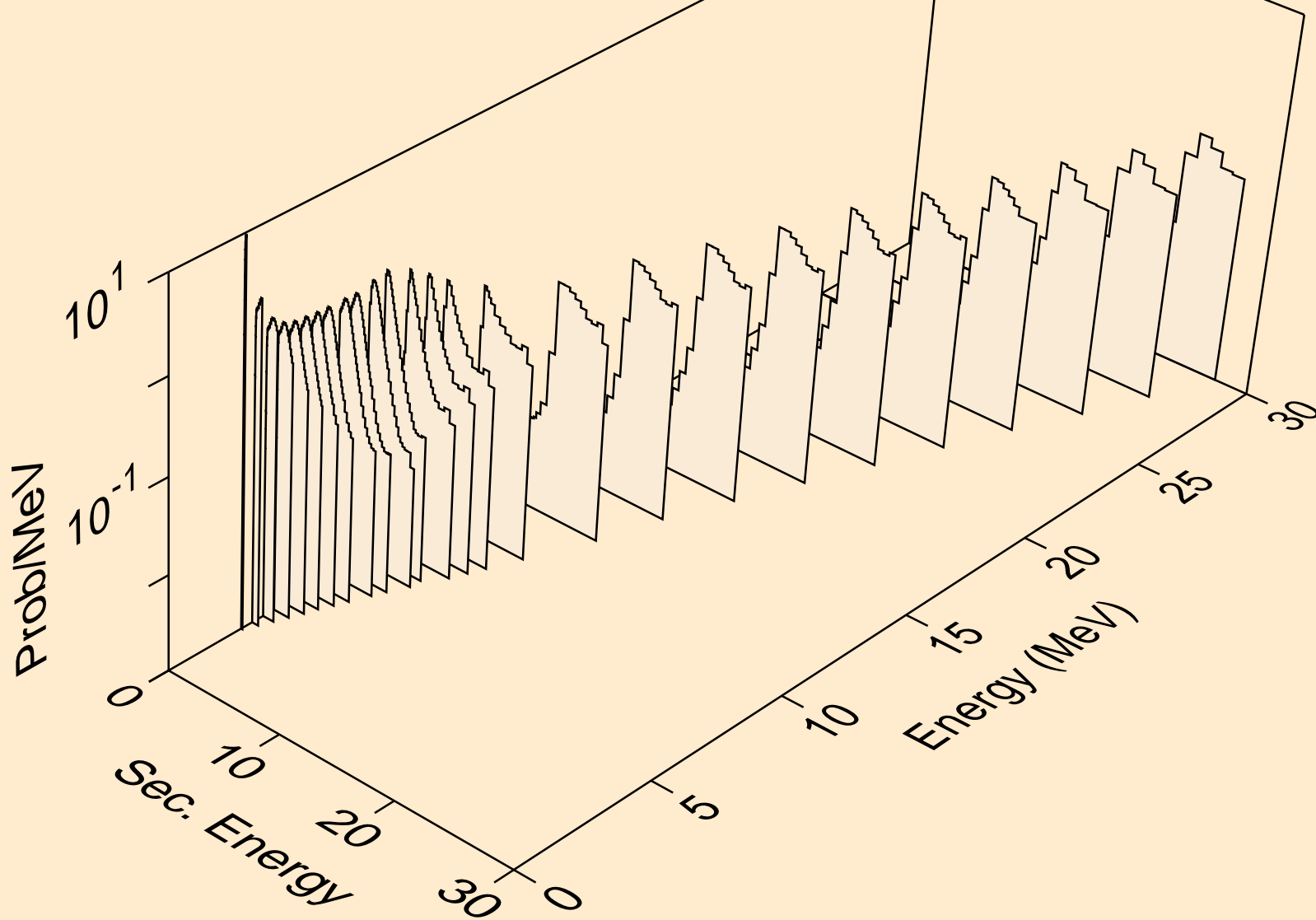
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



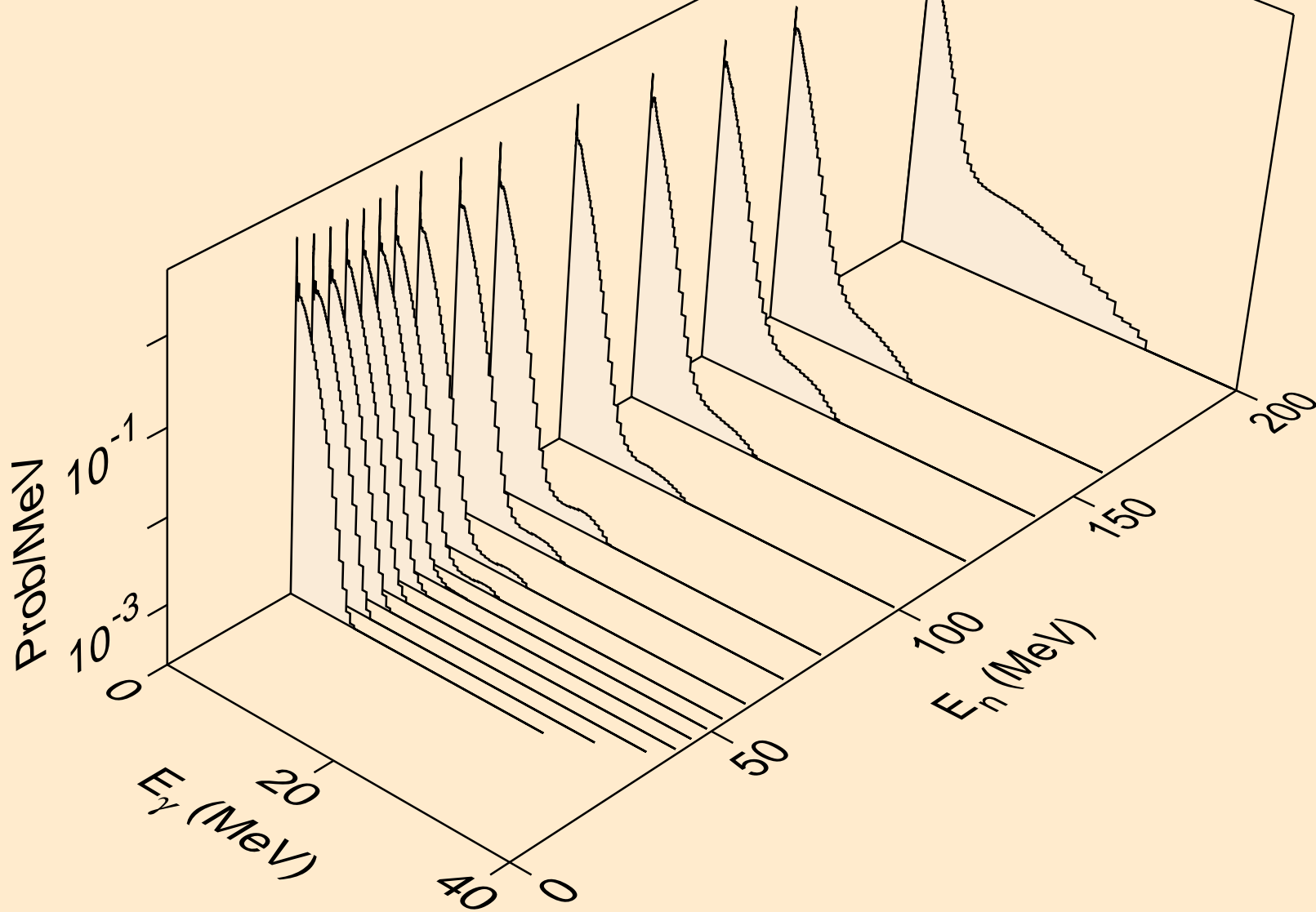
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



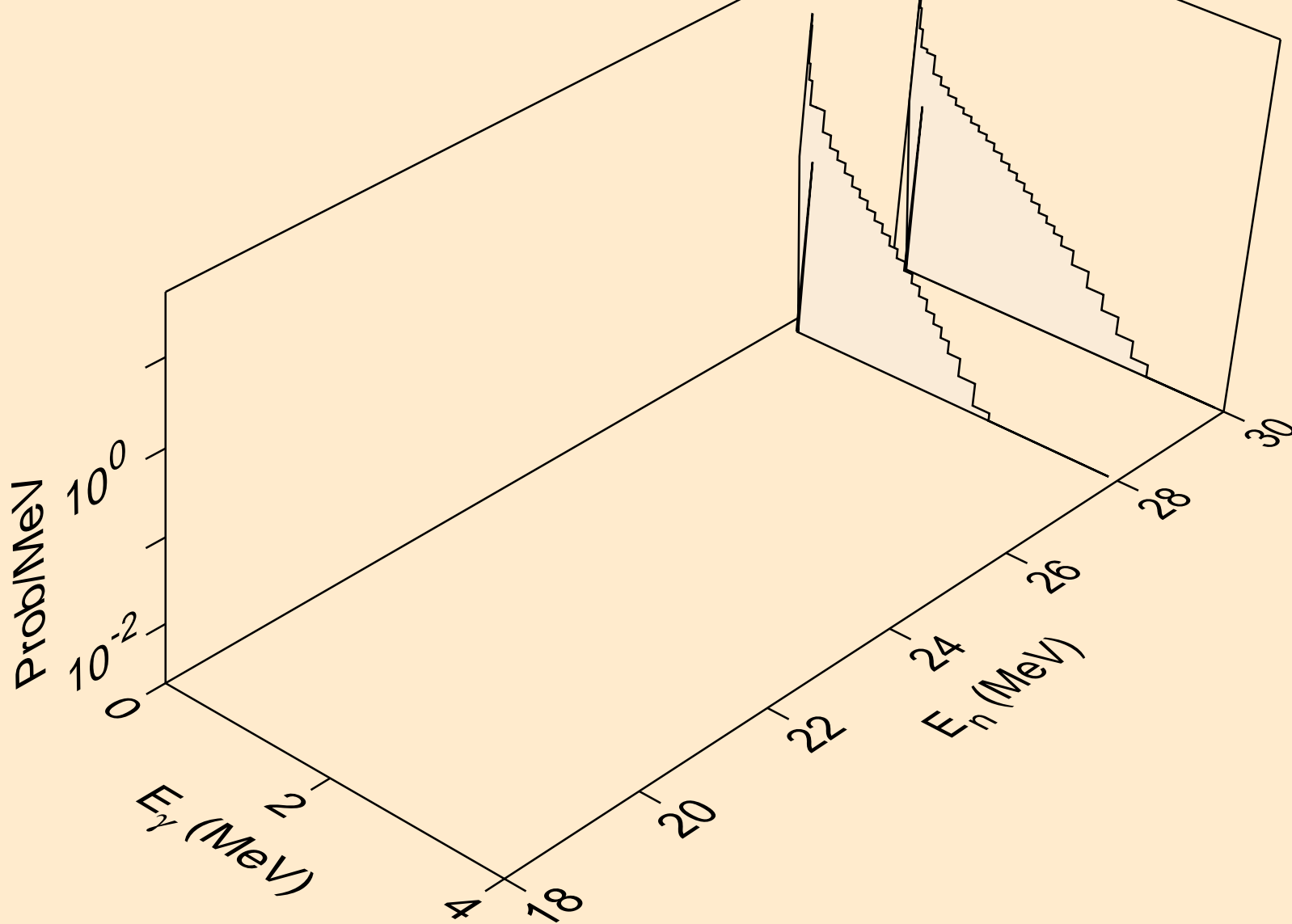
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



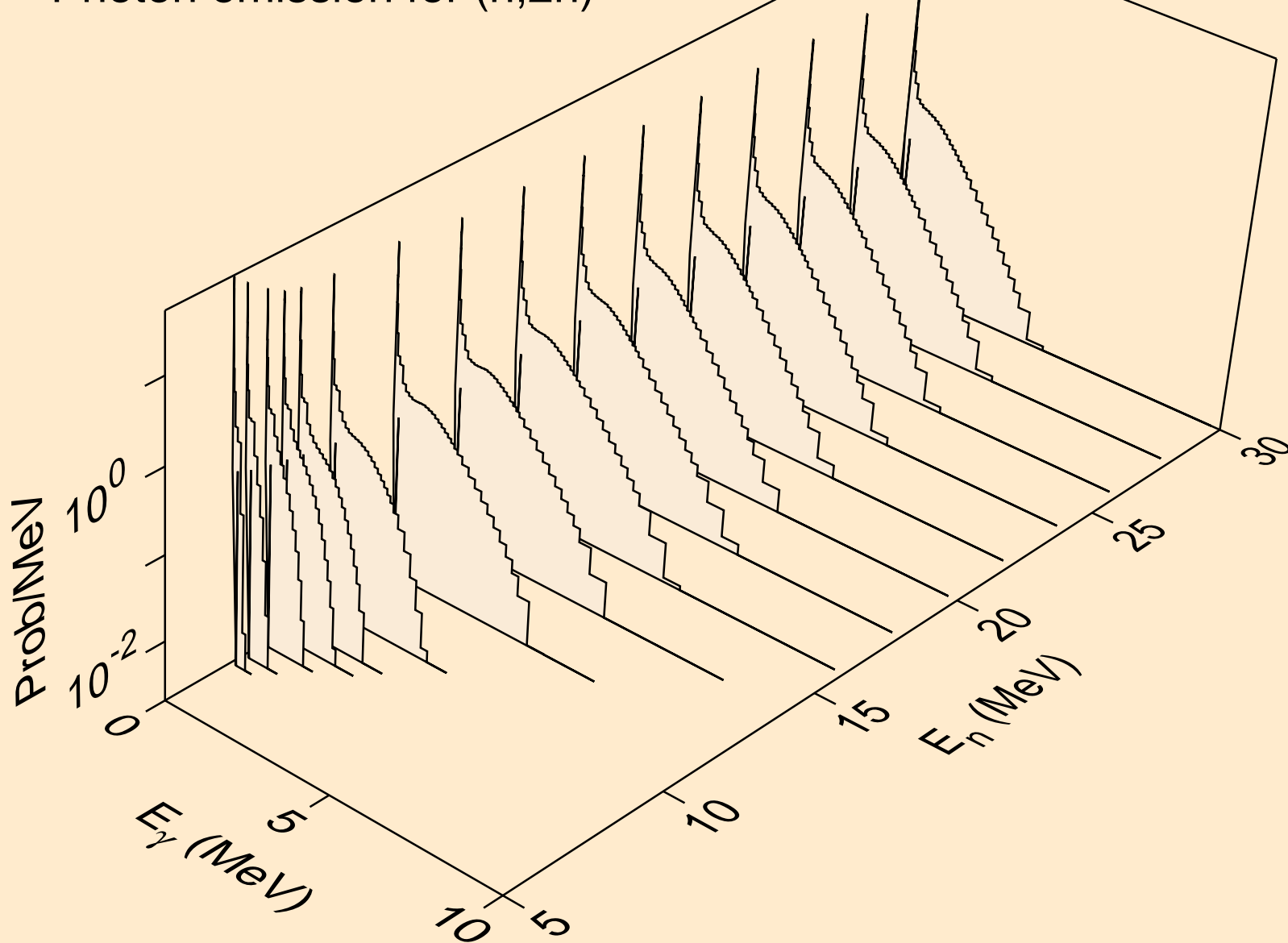
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

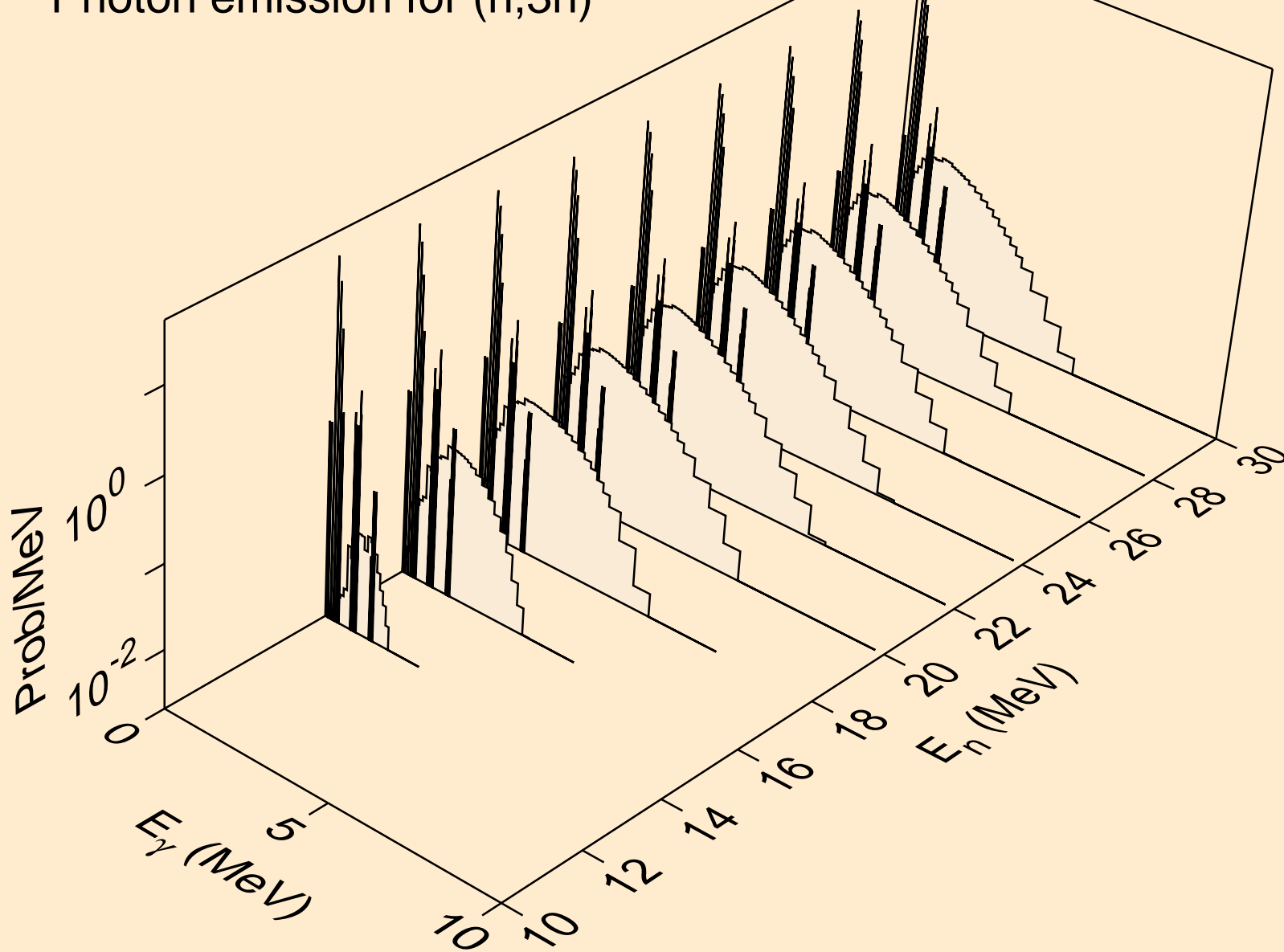


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

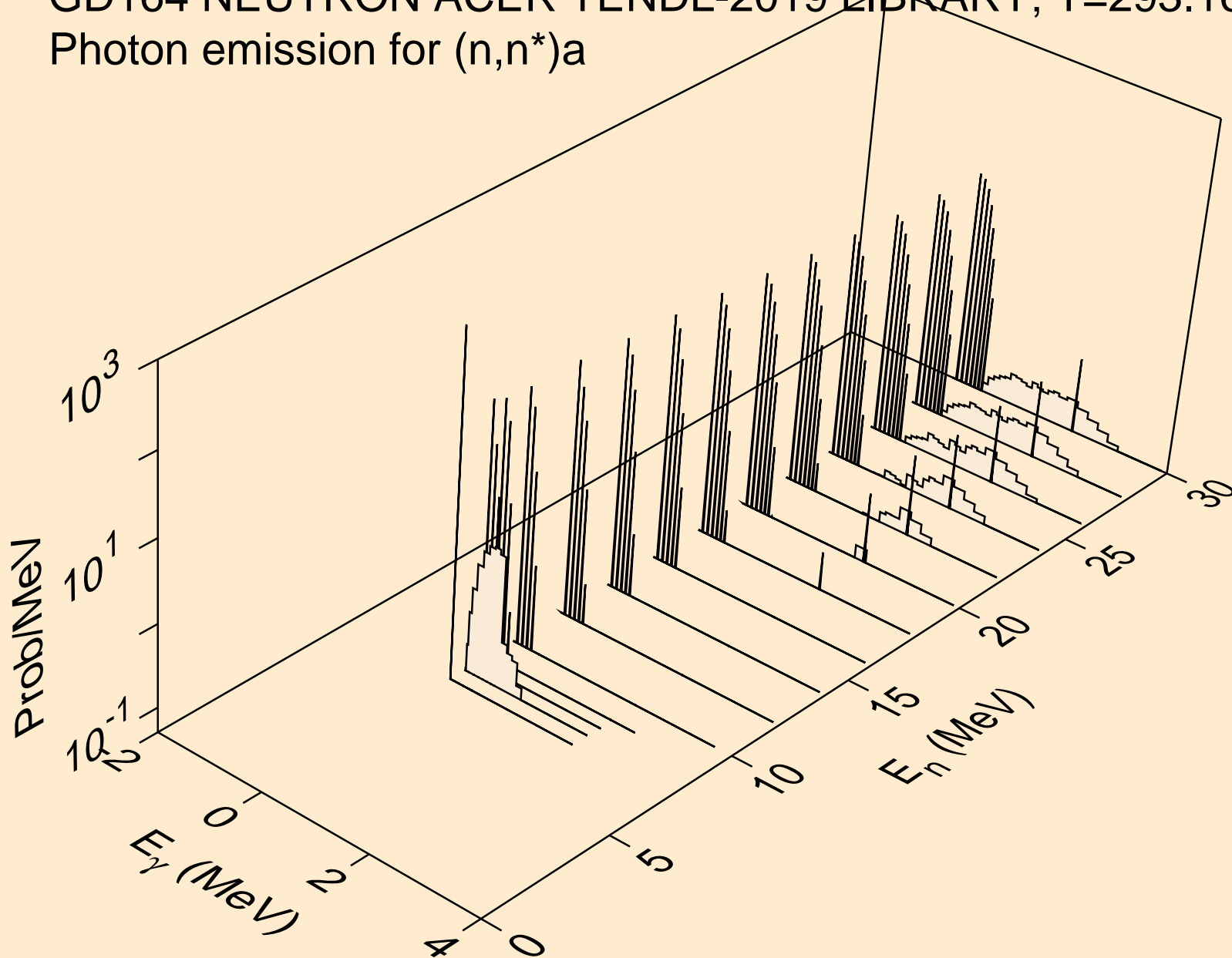




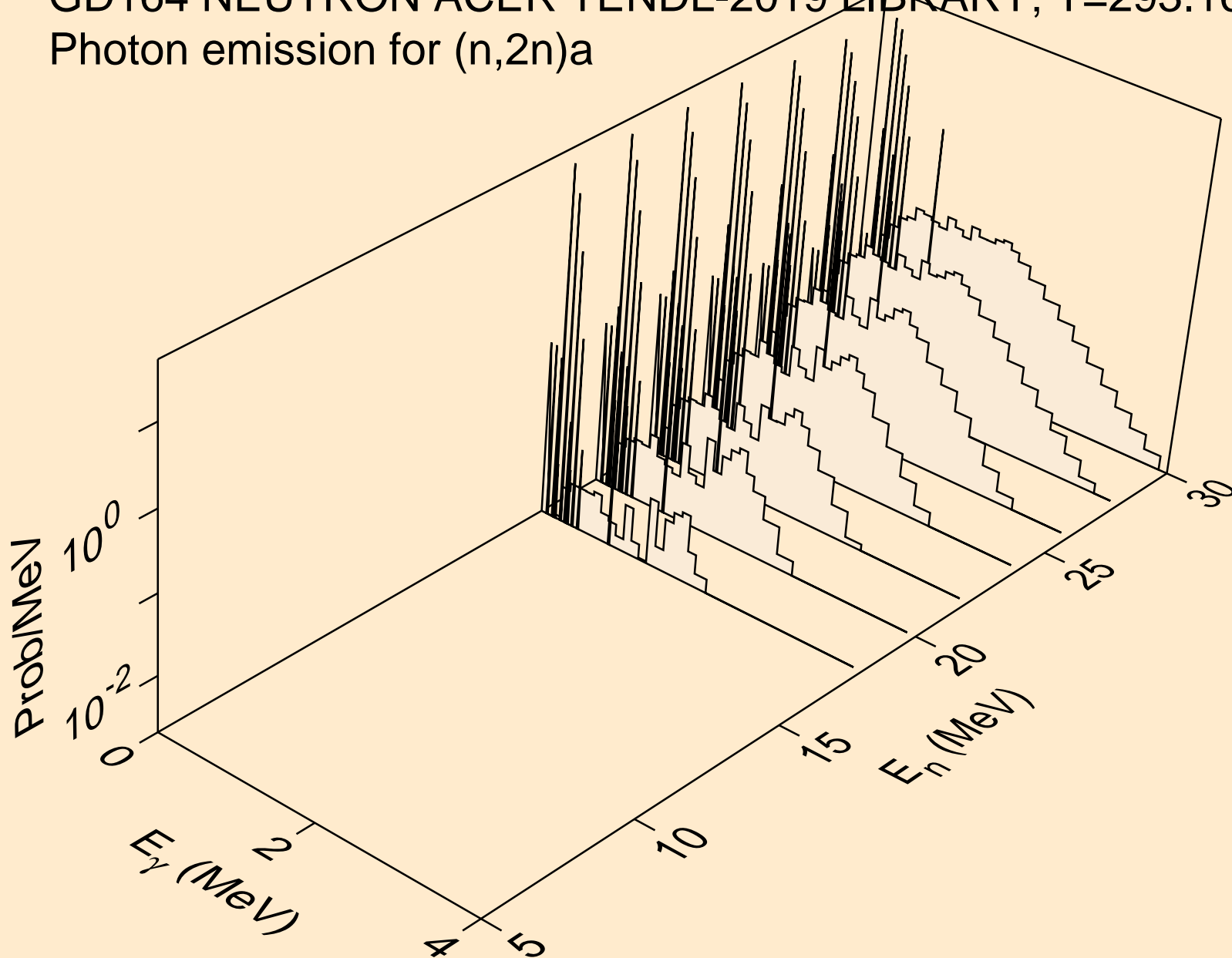
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



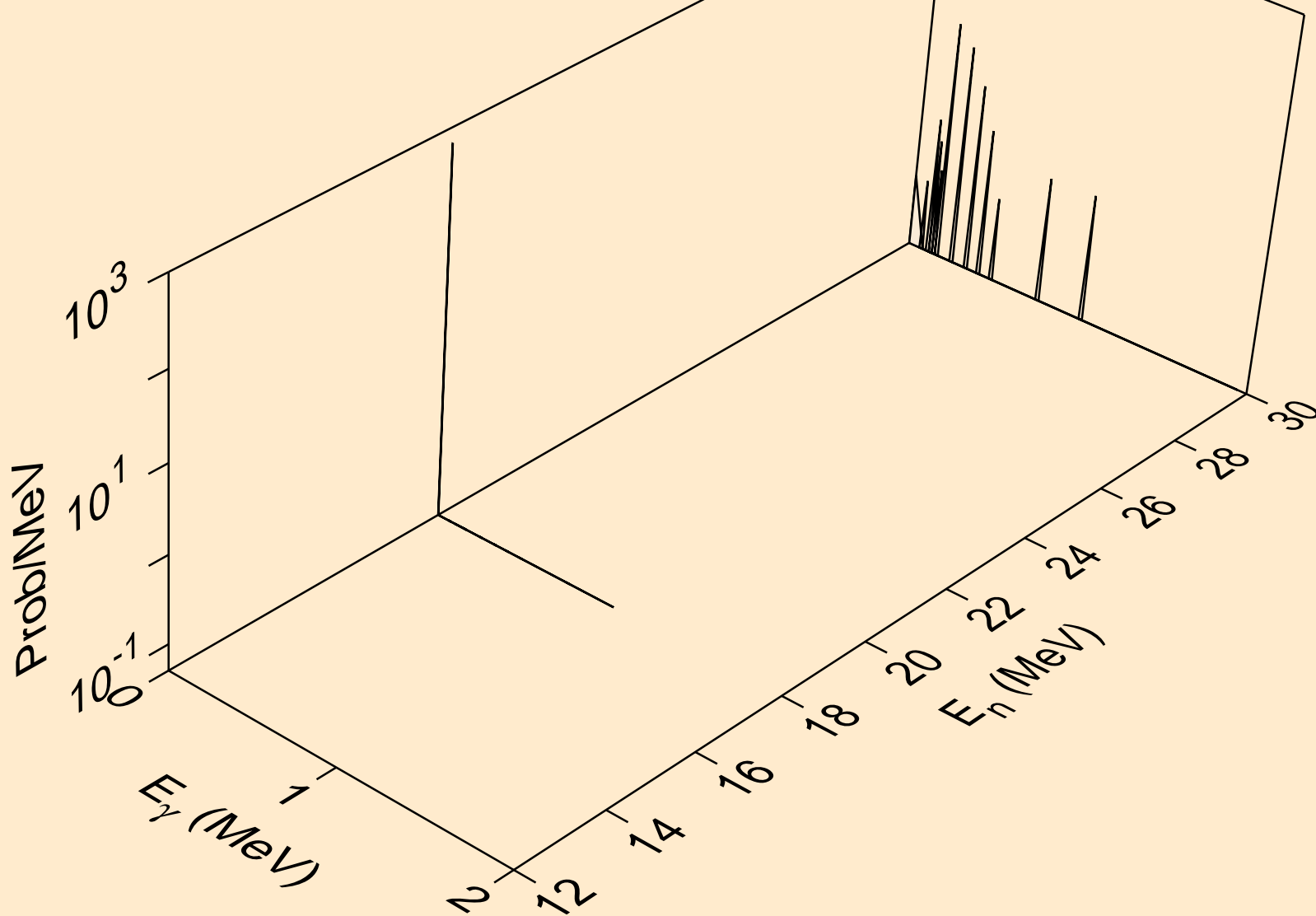
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



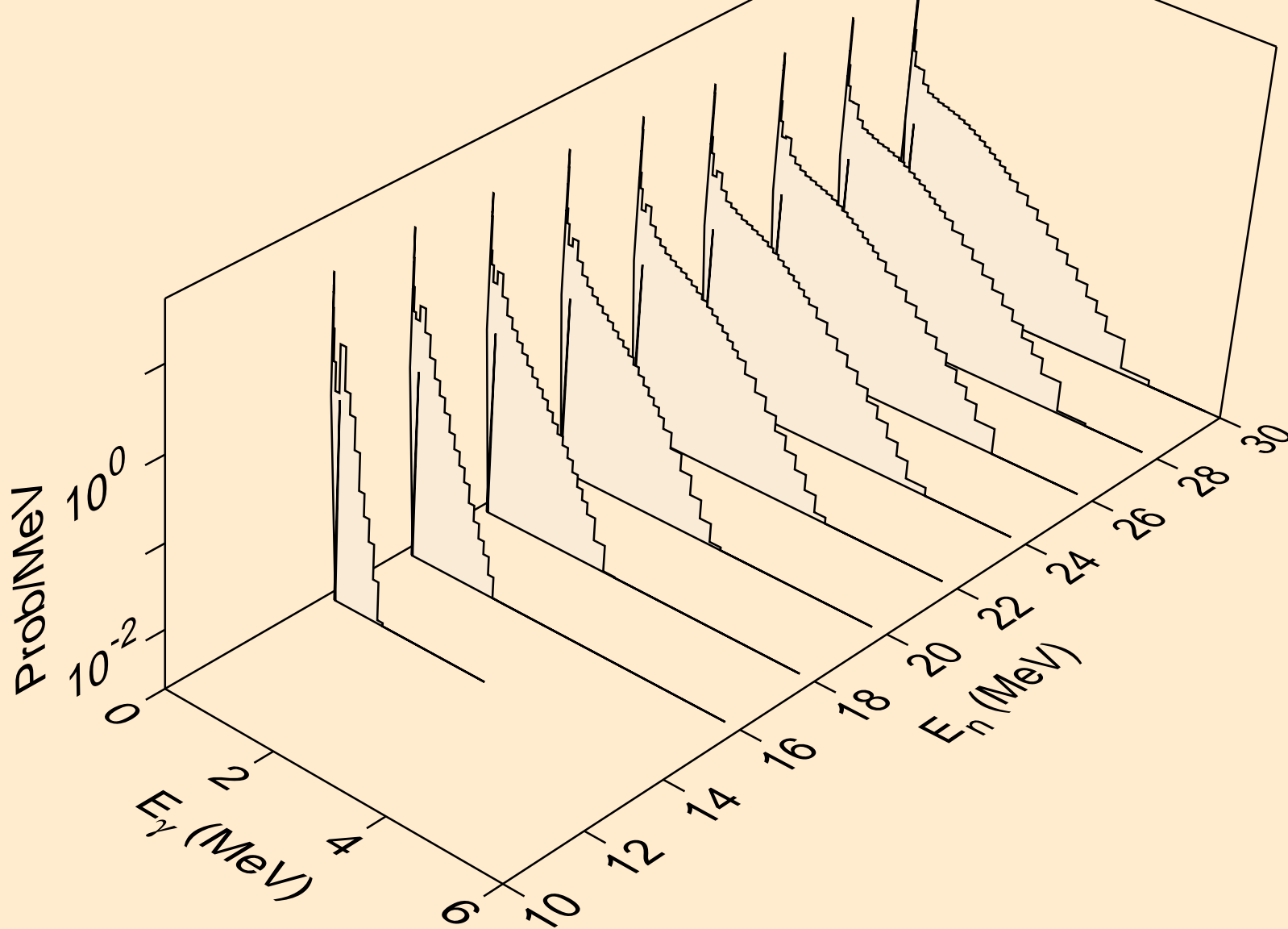
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Photon emission for (n,2n)a



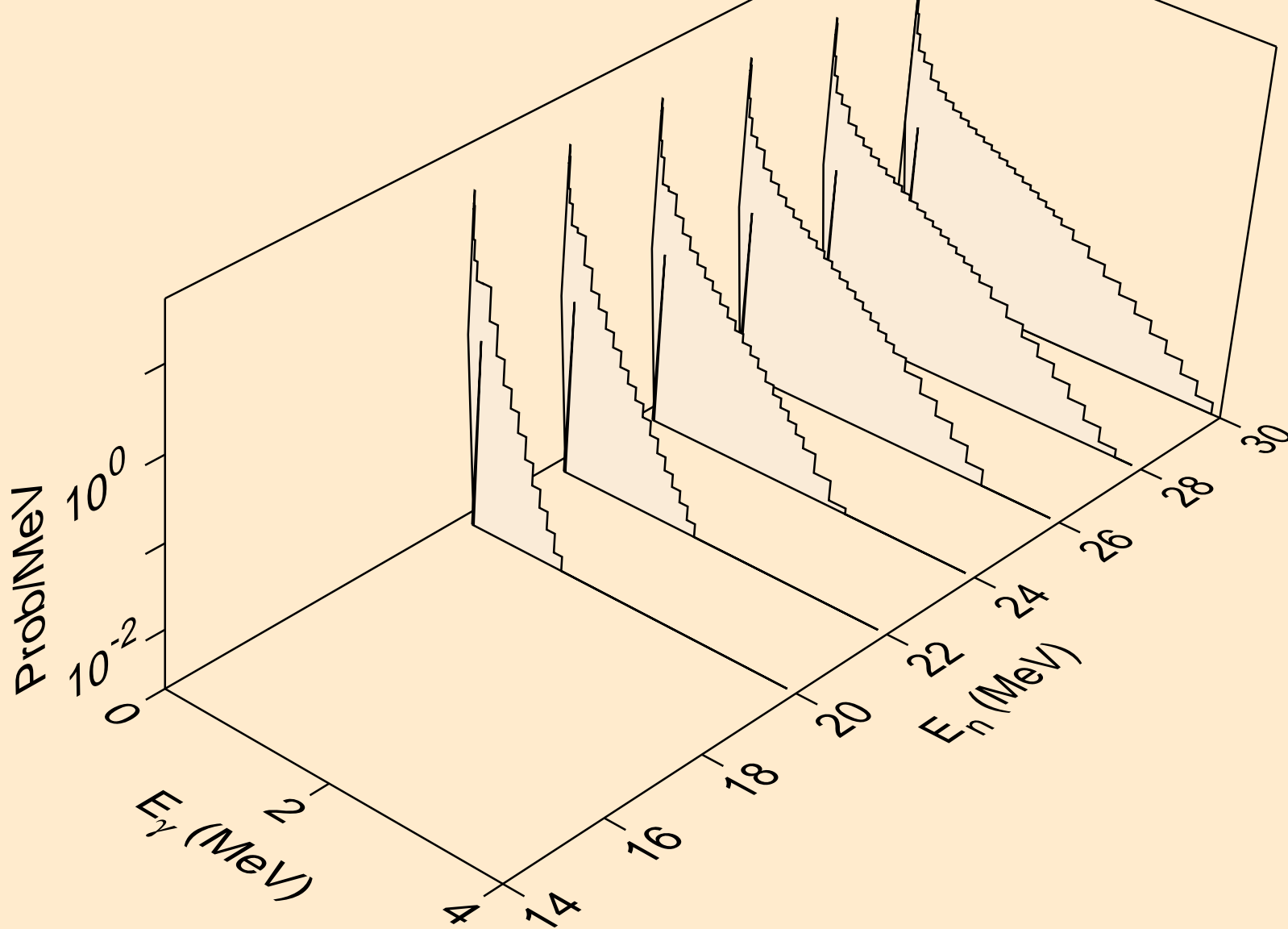
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Photon emission for (n,3n)a



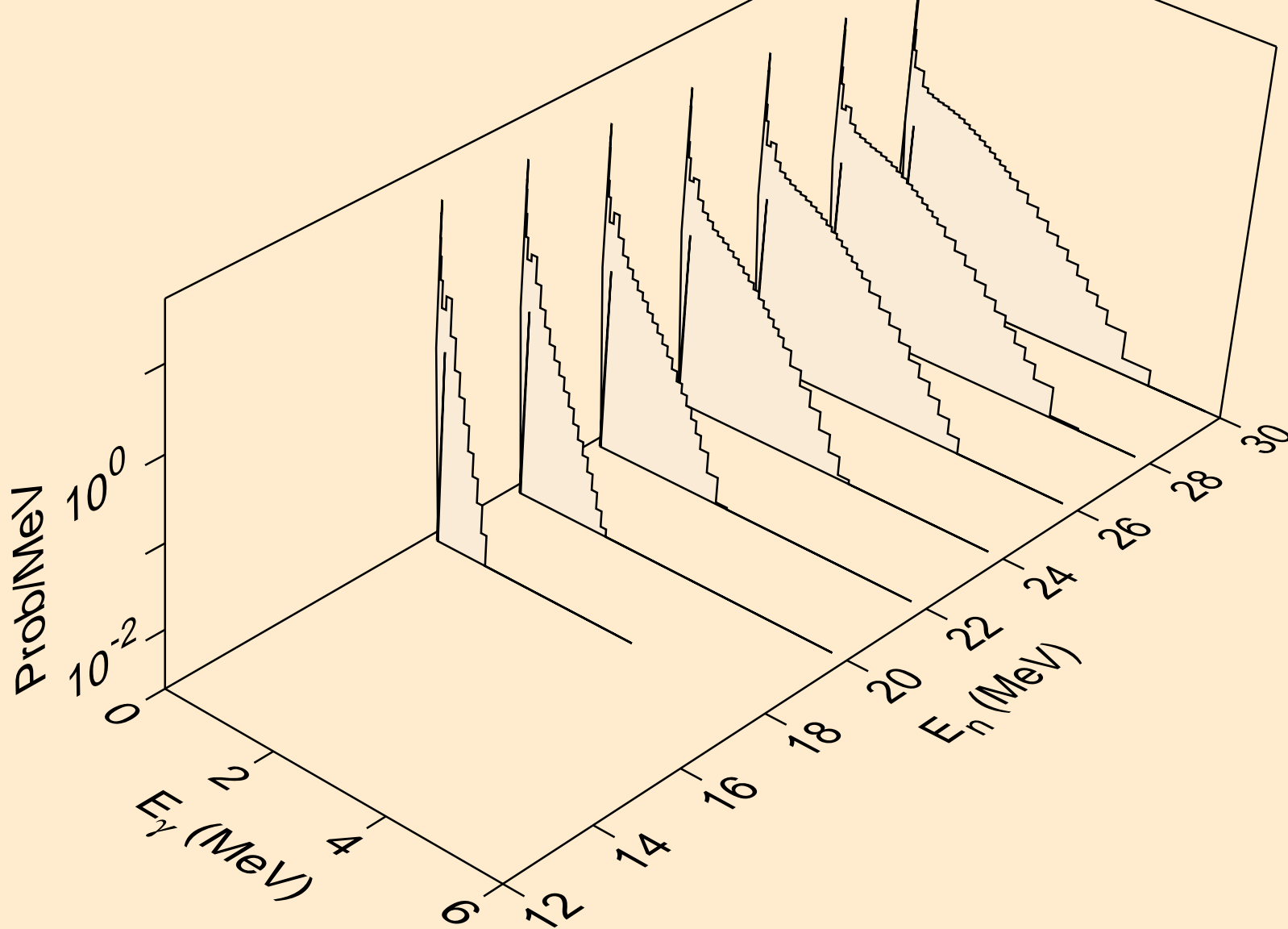
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



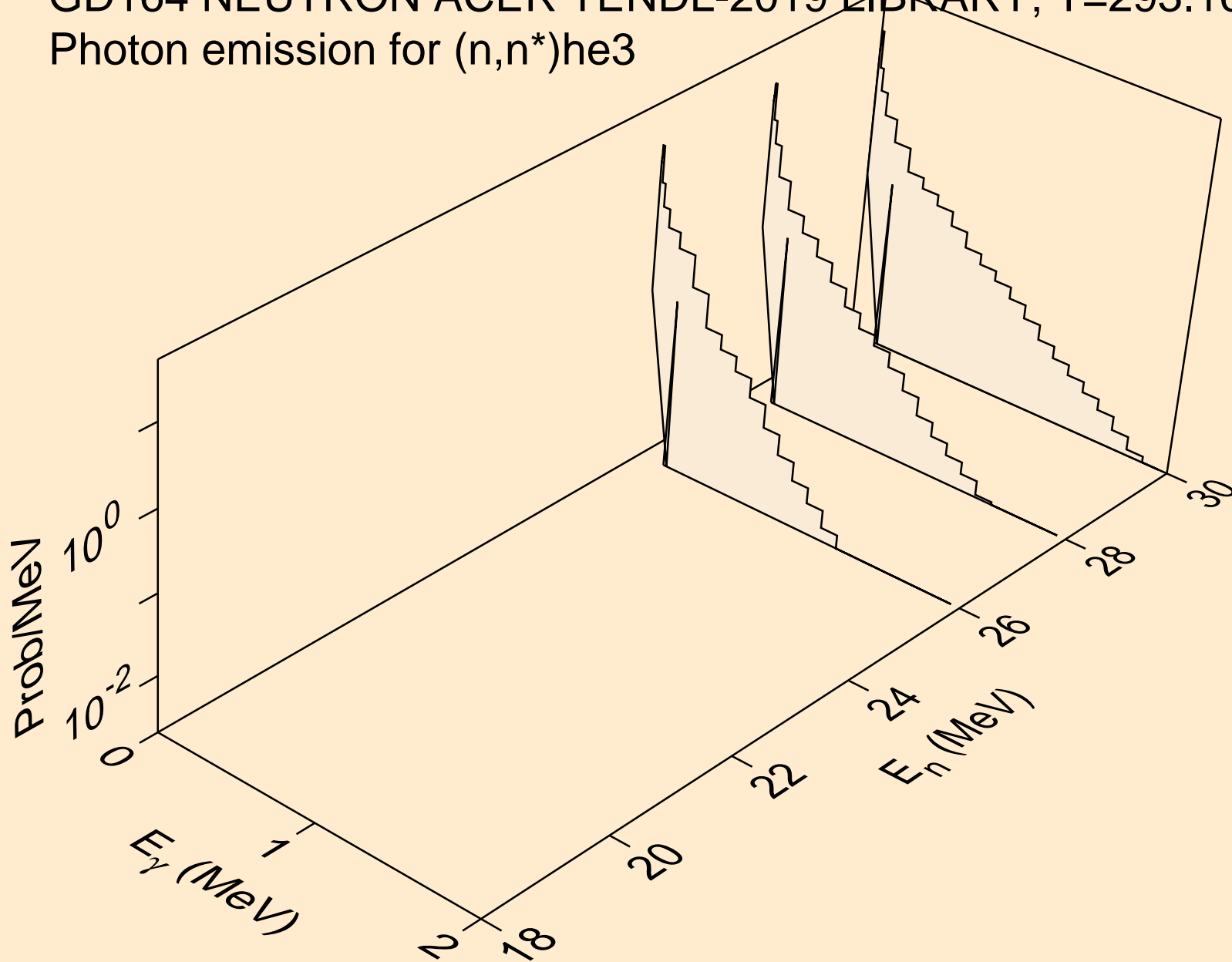
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

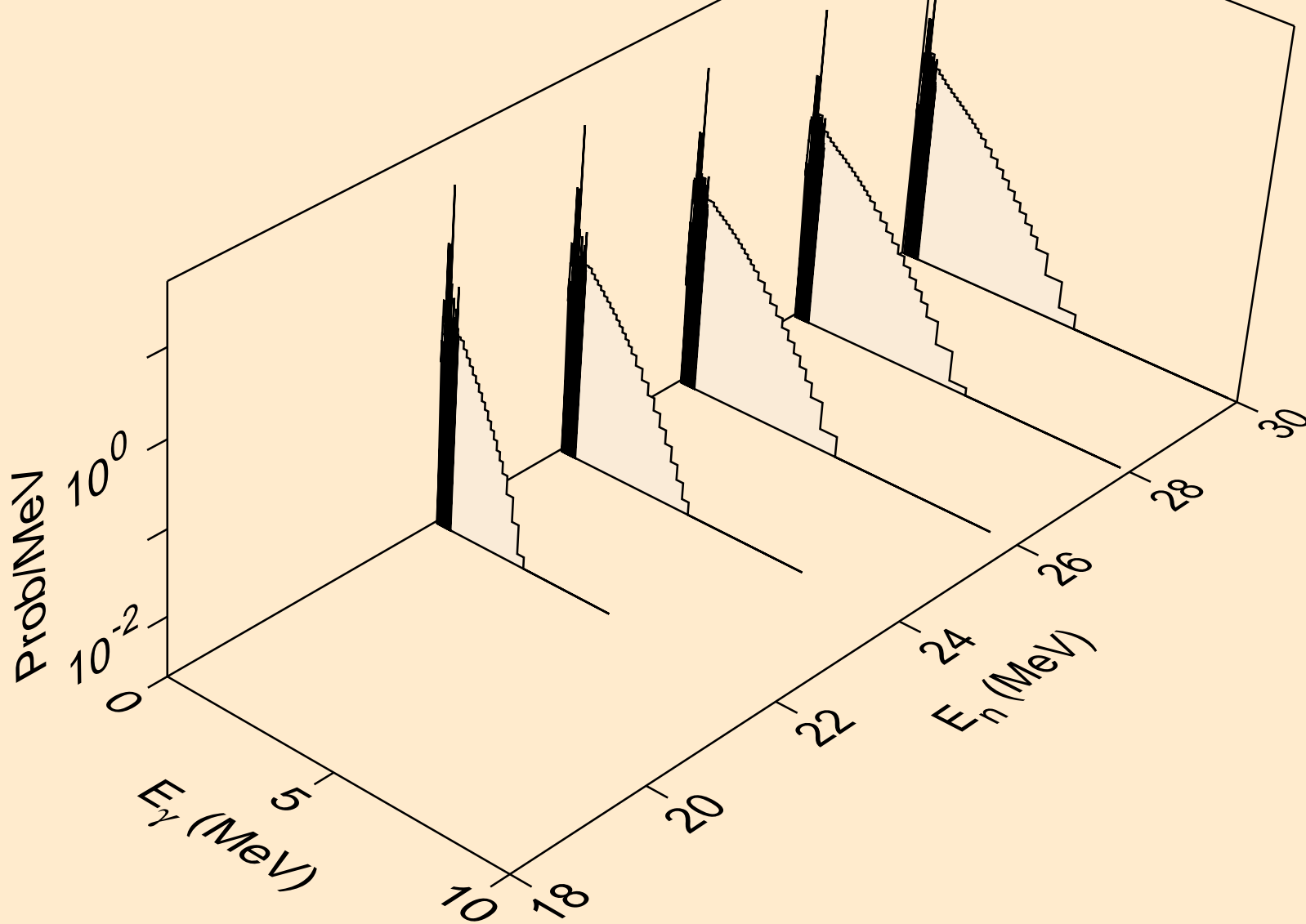


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

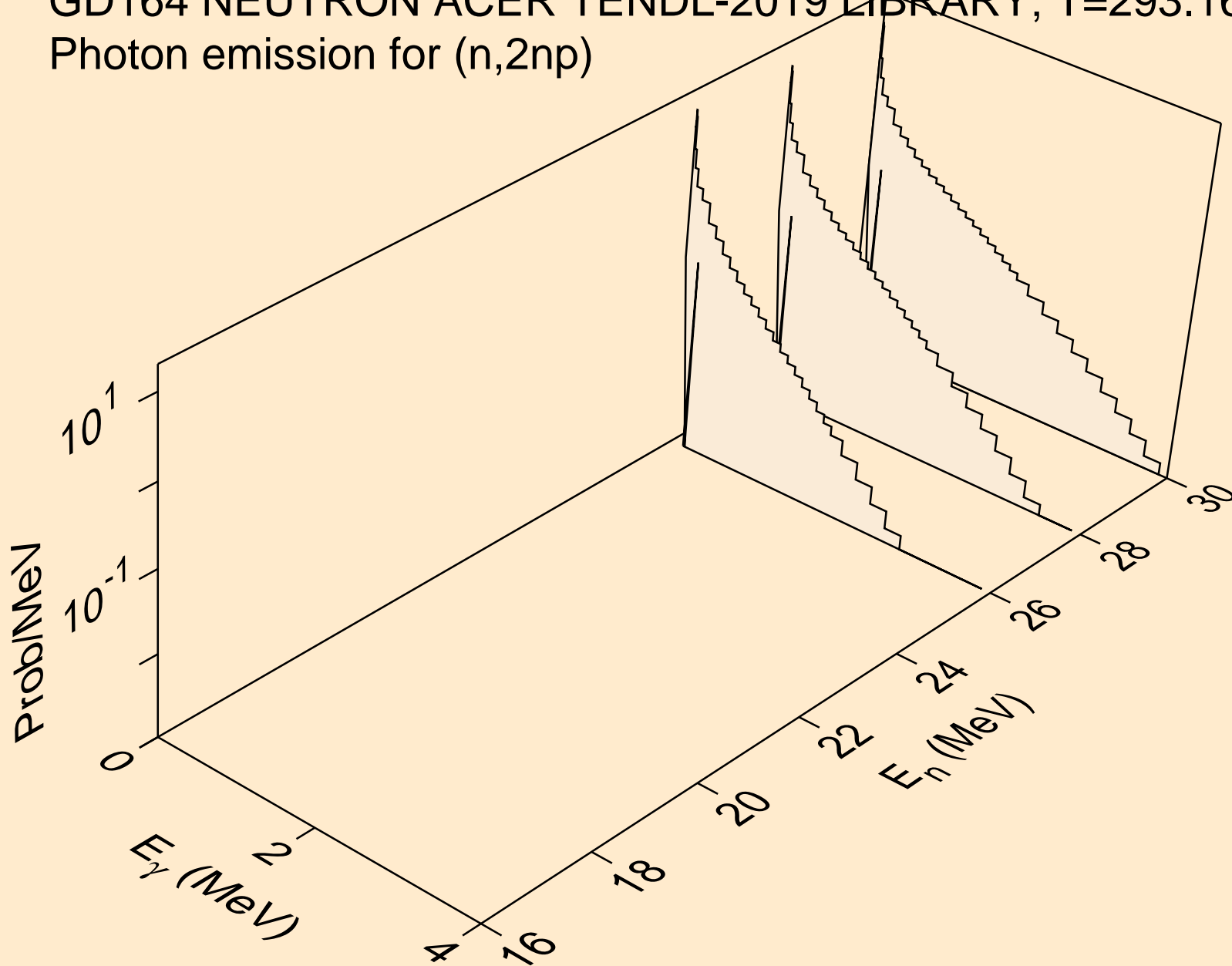




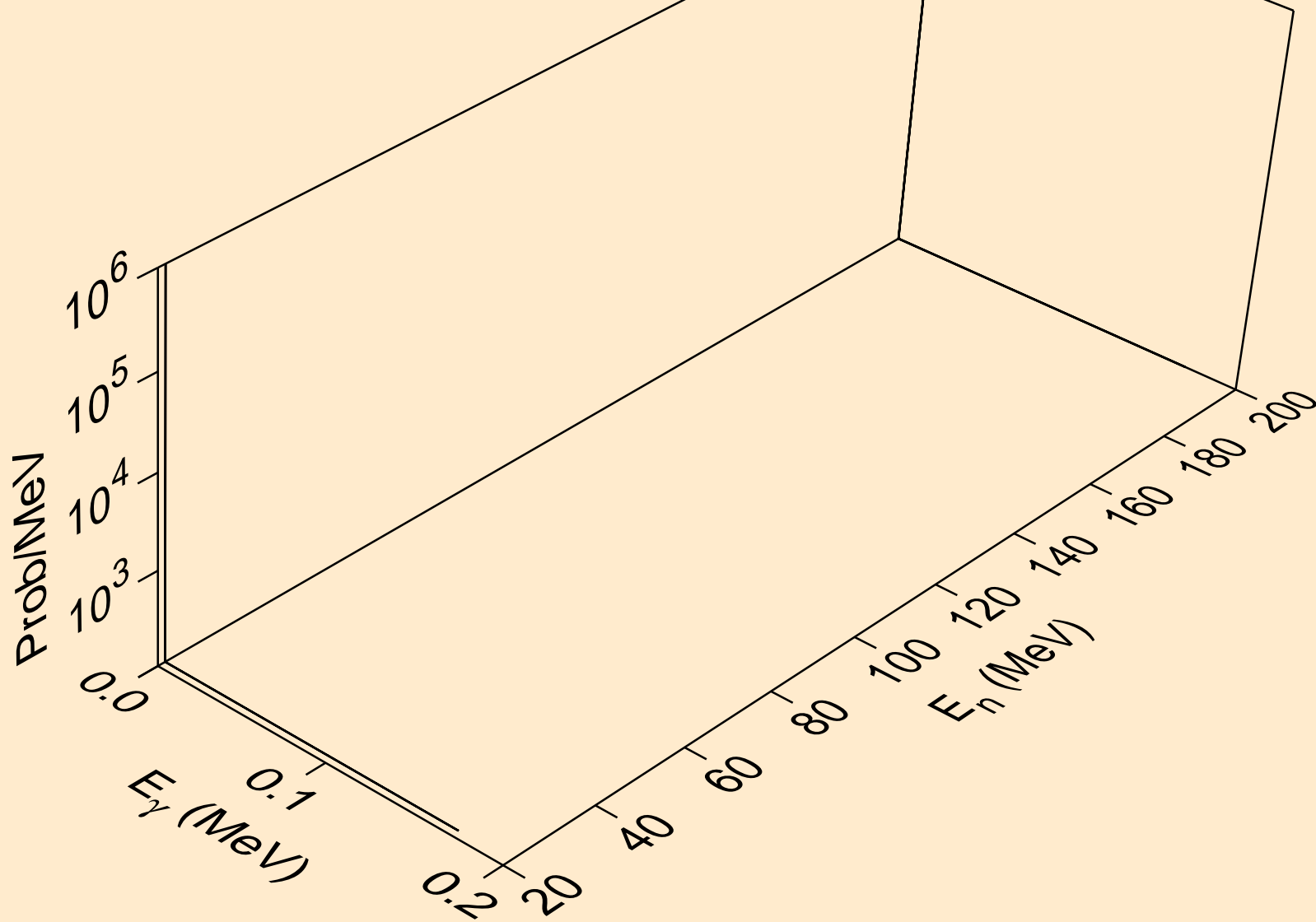
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



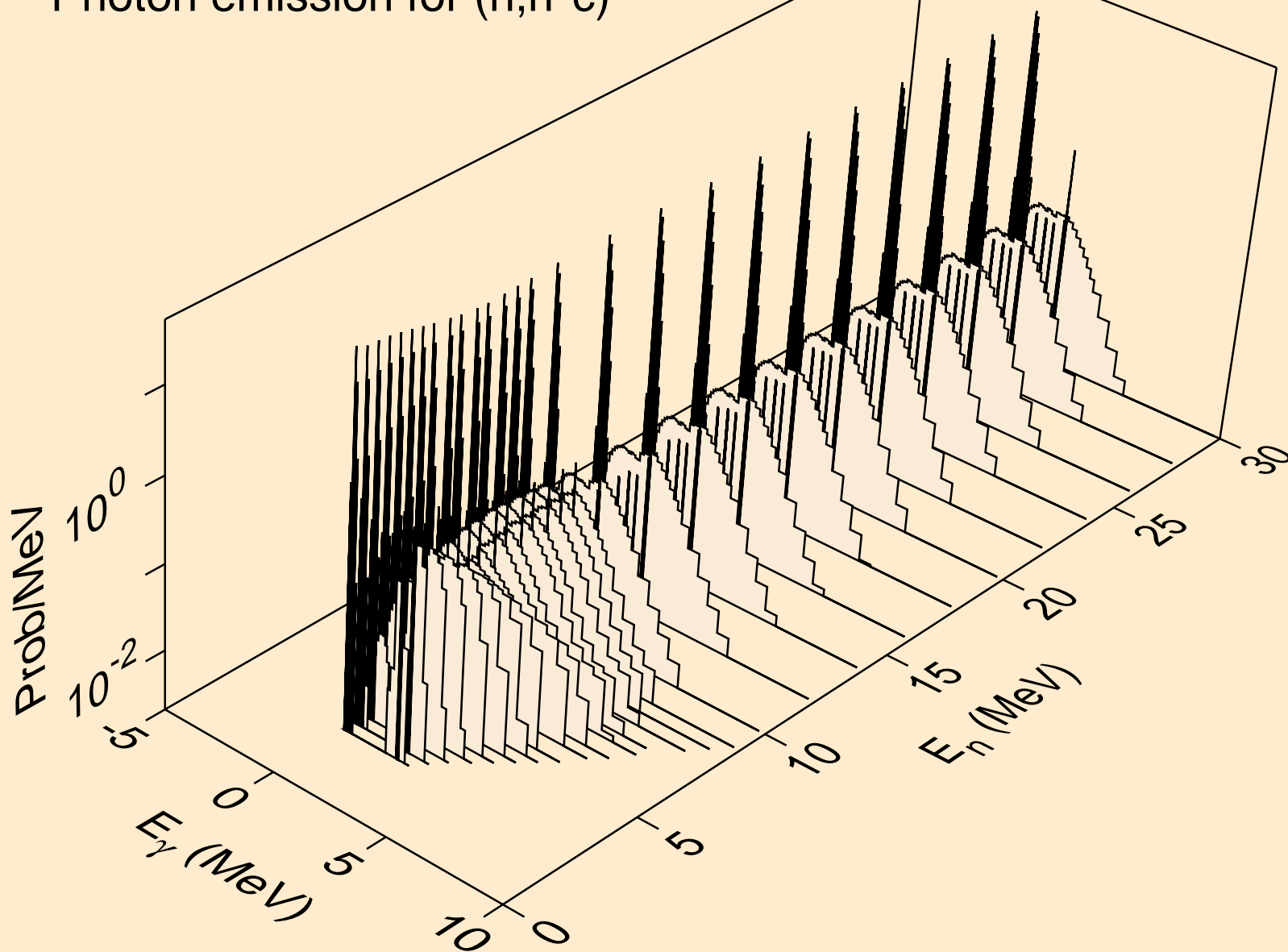
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Photon emission for (n,2np)



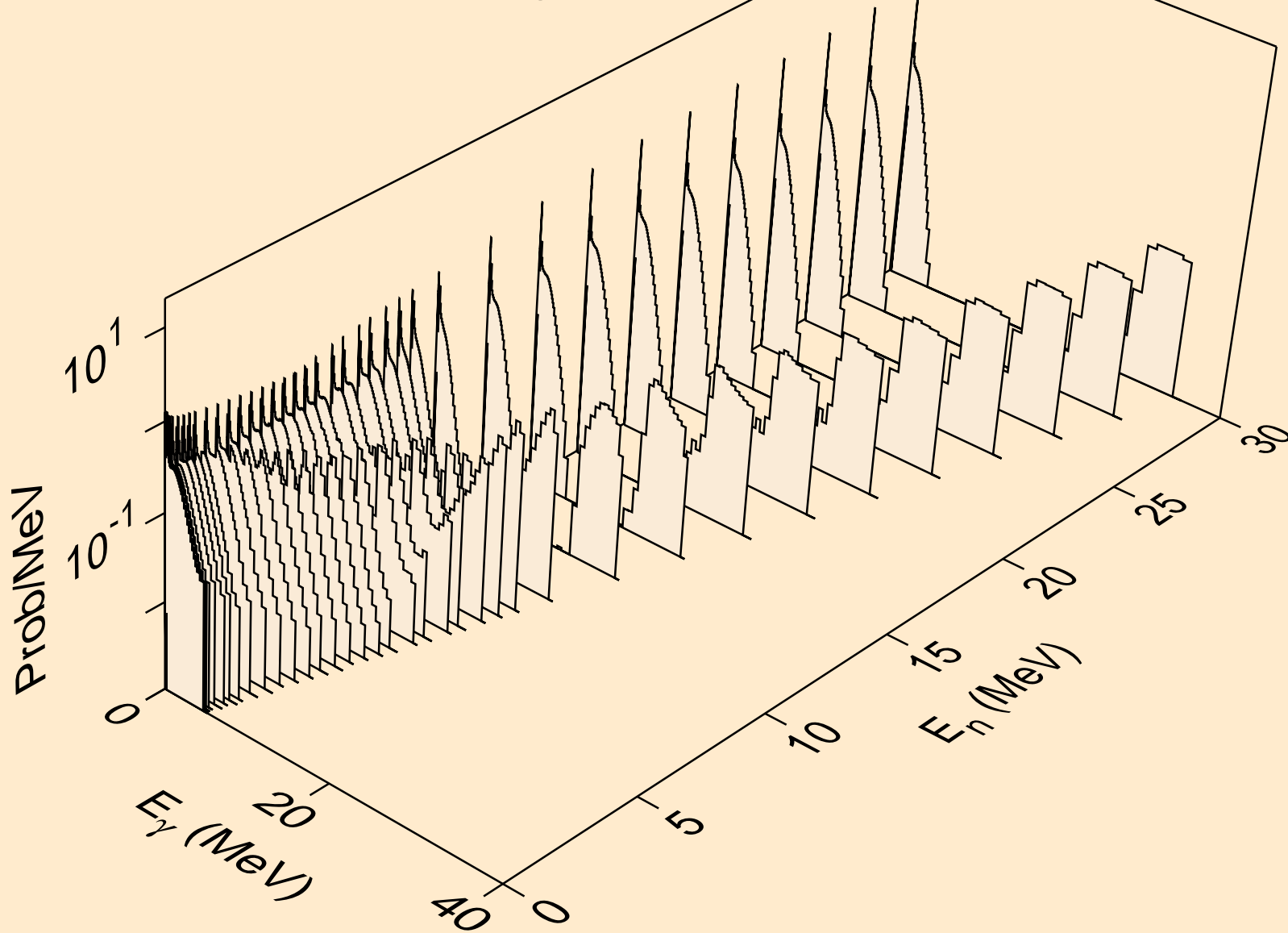
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Photon emission for (n,3np)



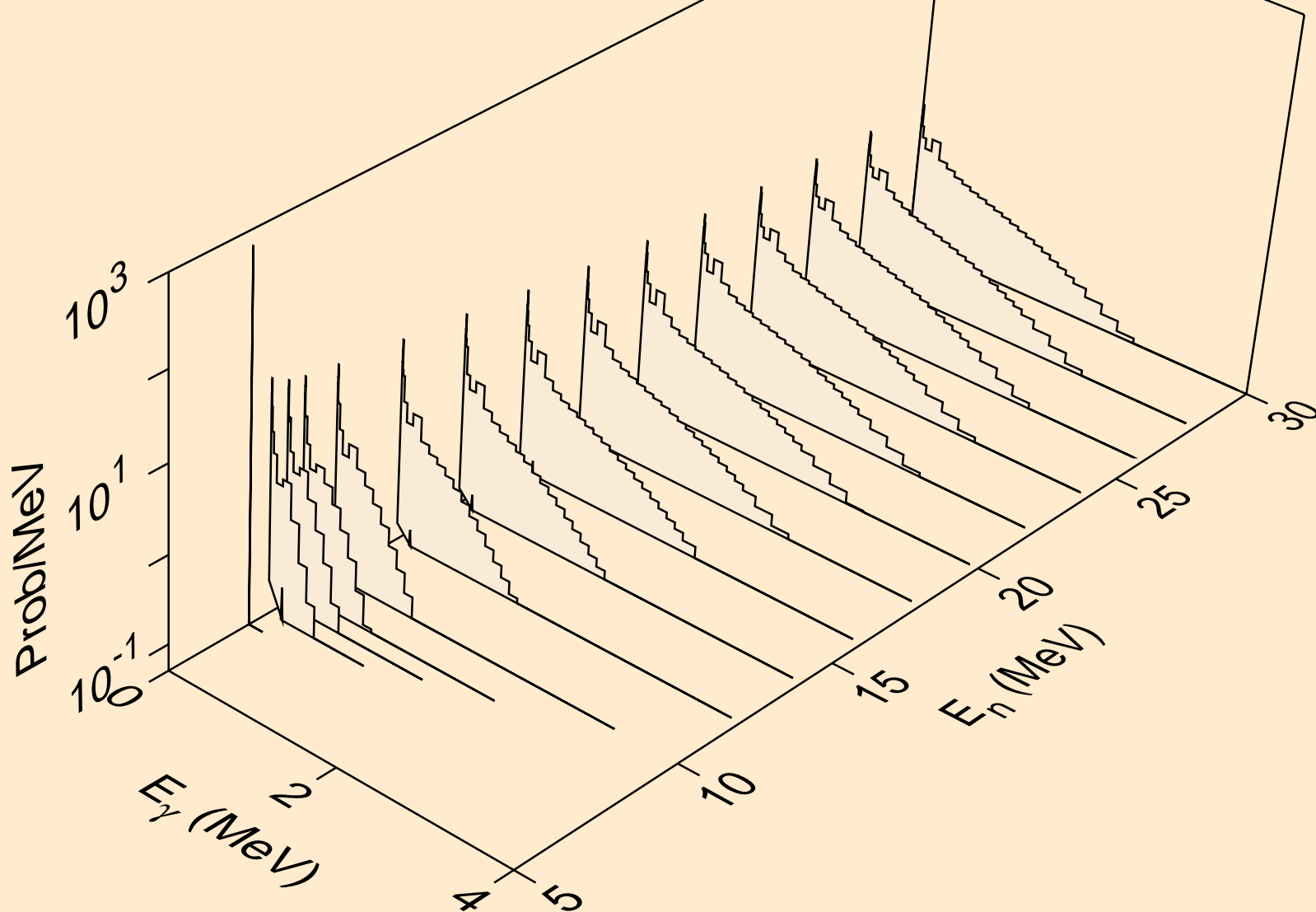
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Photon emission for (n,n\*c)



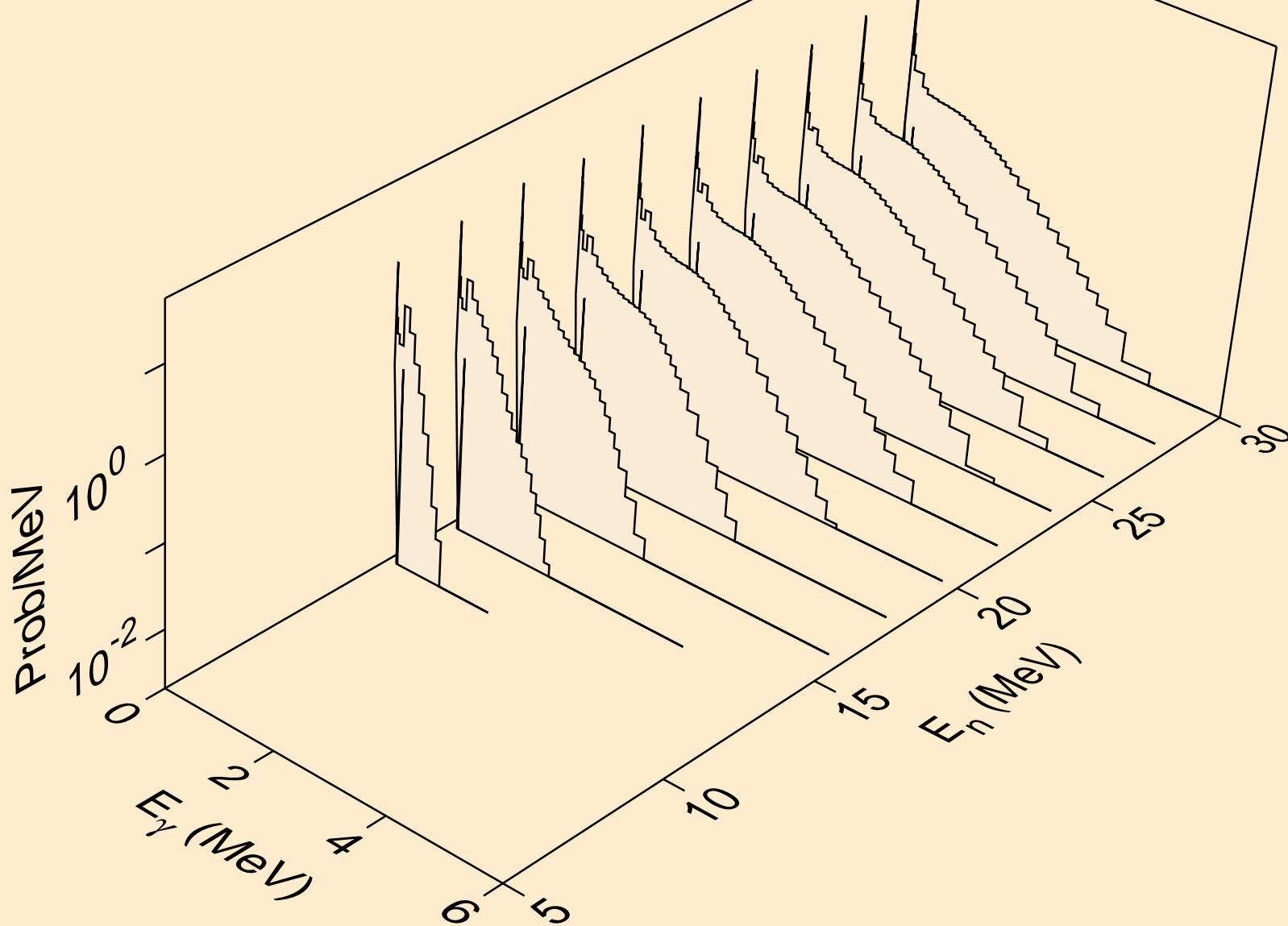
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Photon emission for (n,gma)



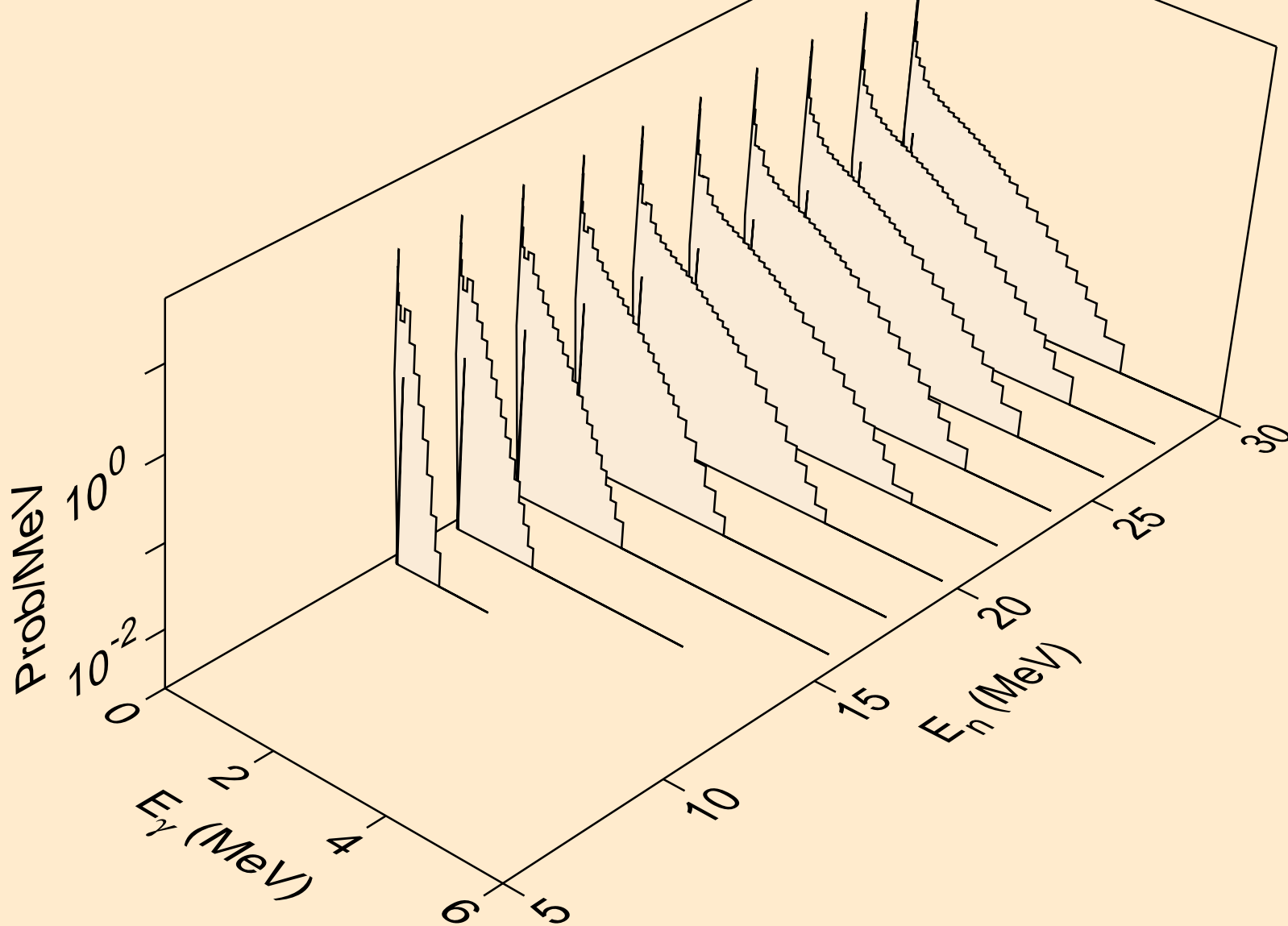
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

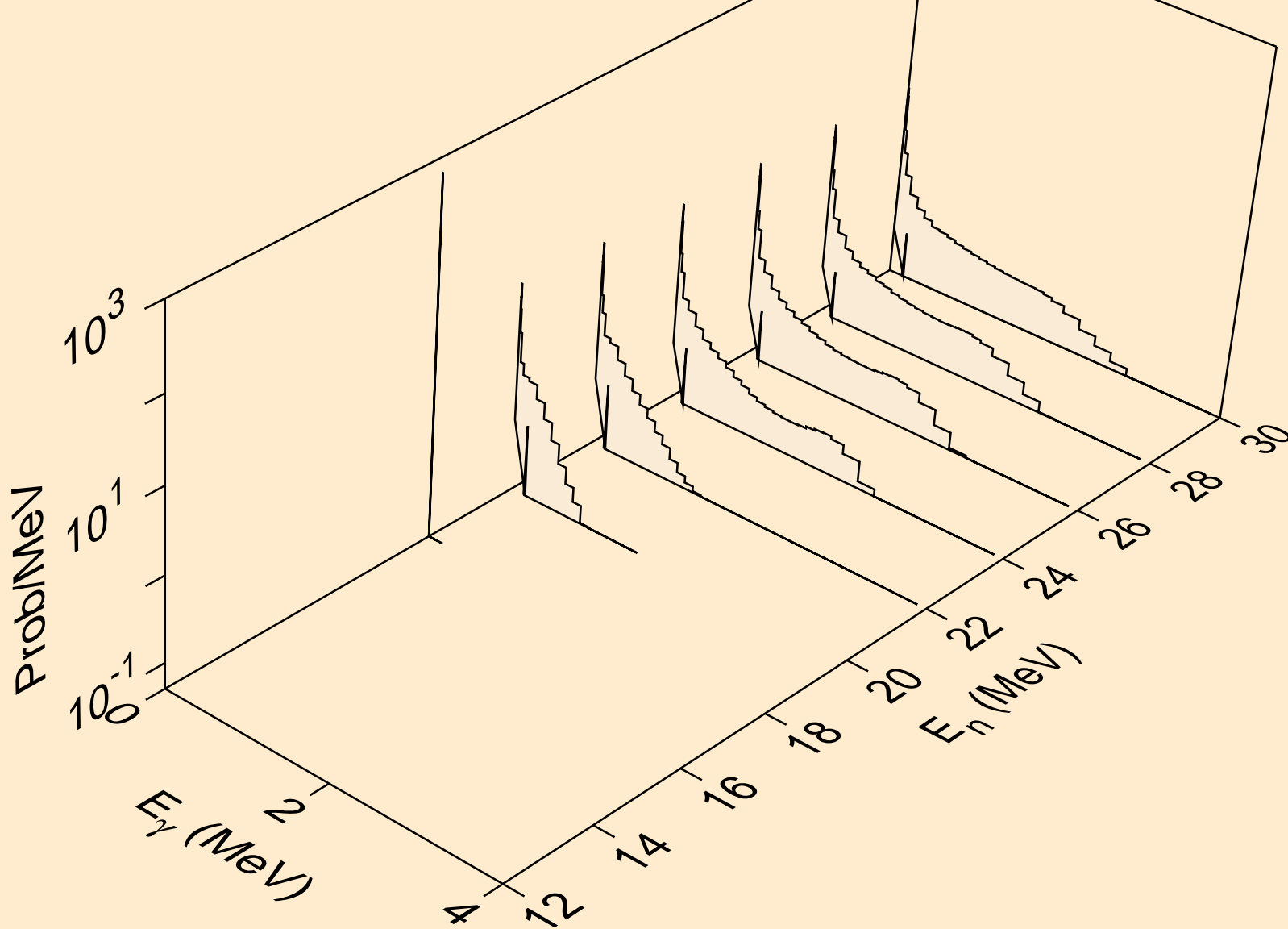


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

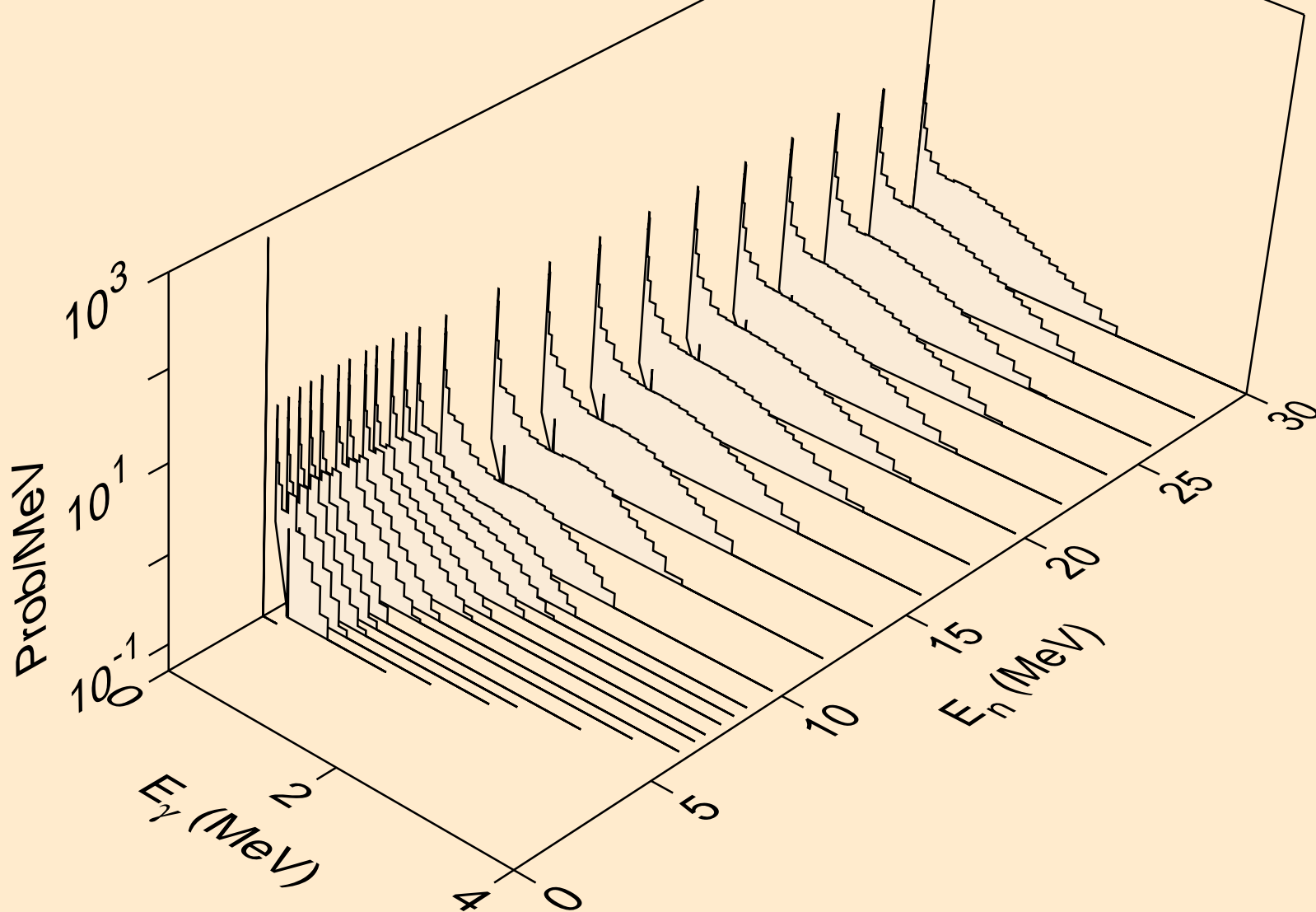




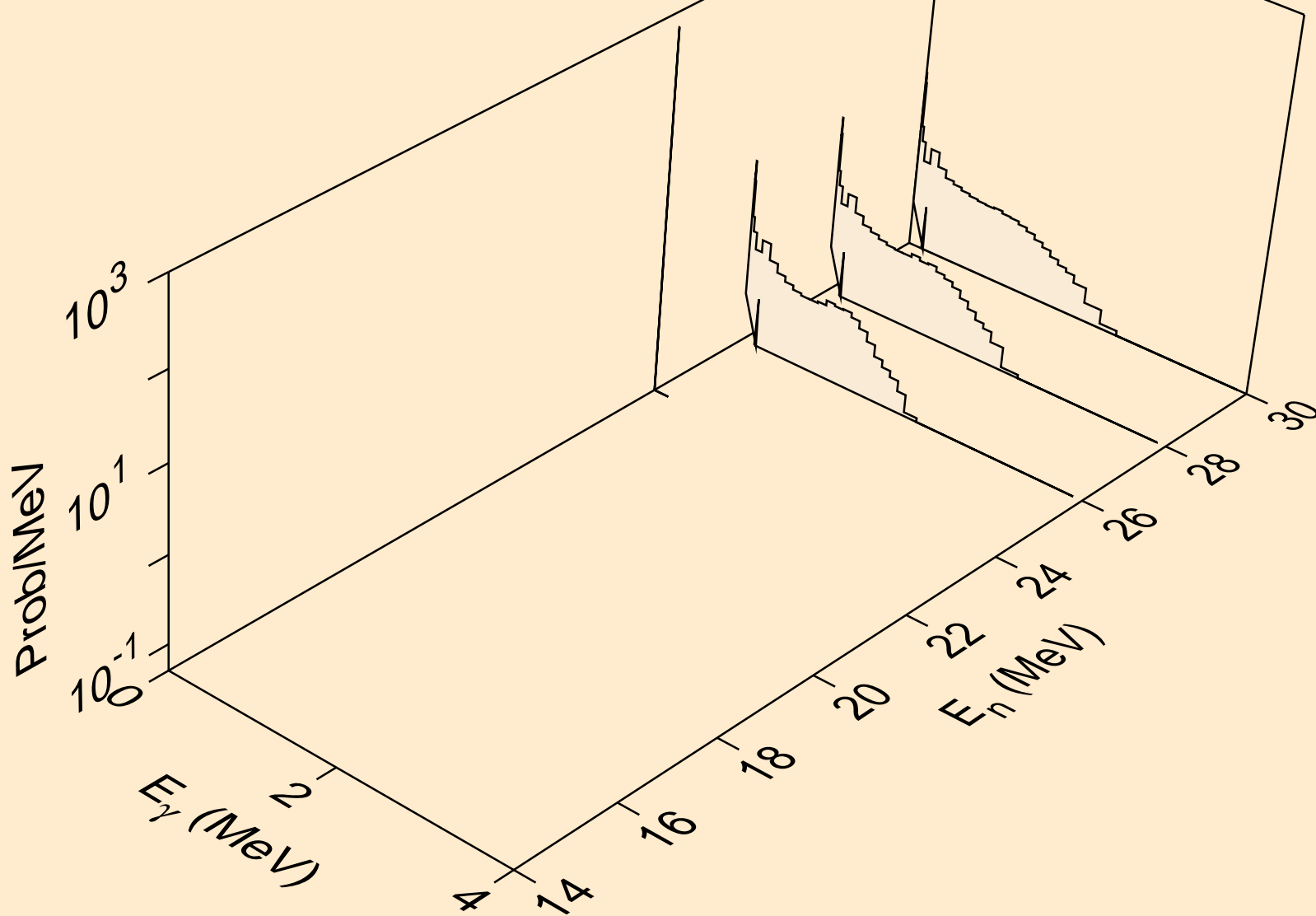
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Photon emission for (n,he3)



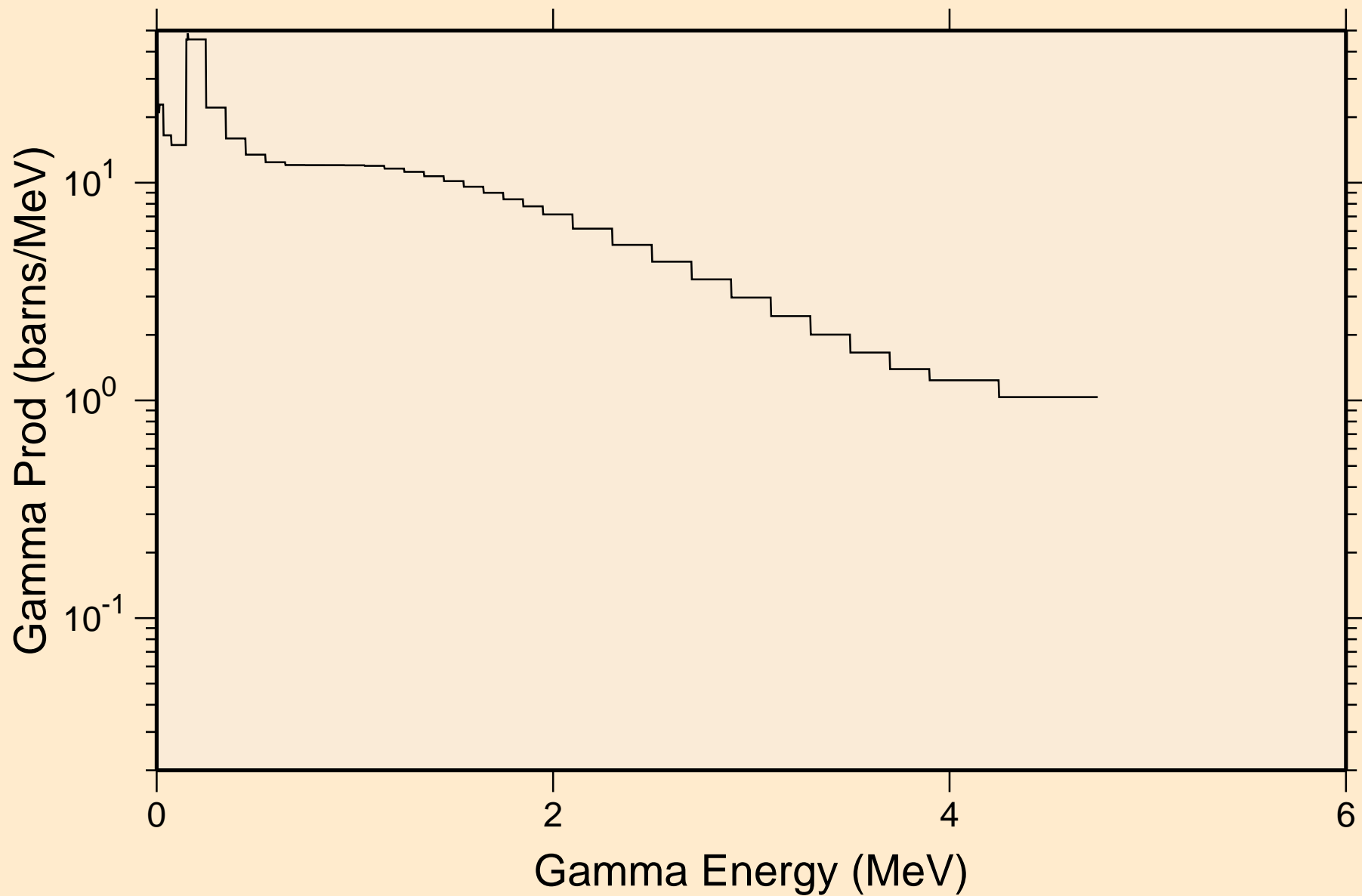
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Photon emission for (n,a)



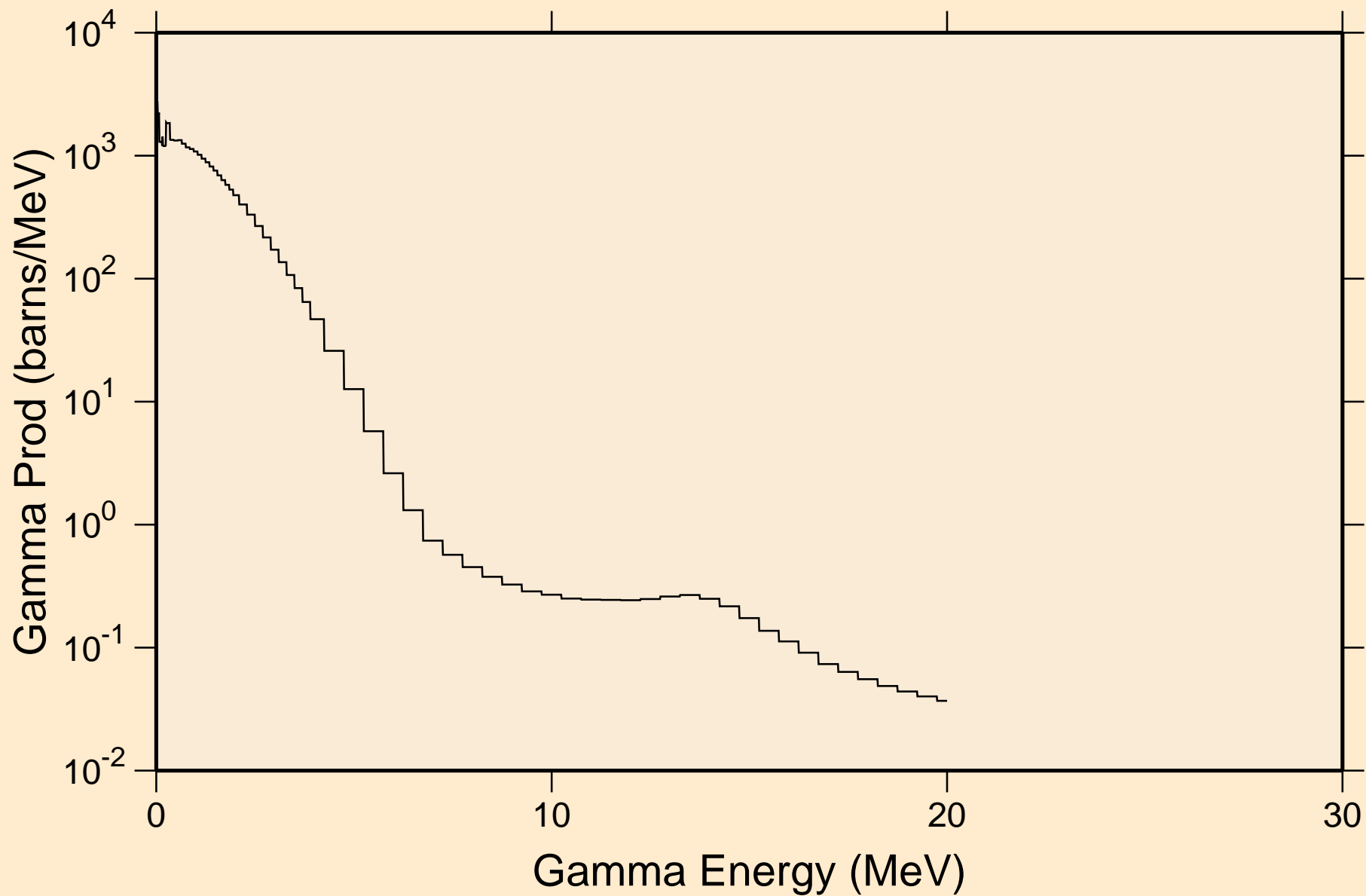
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

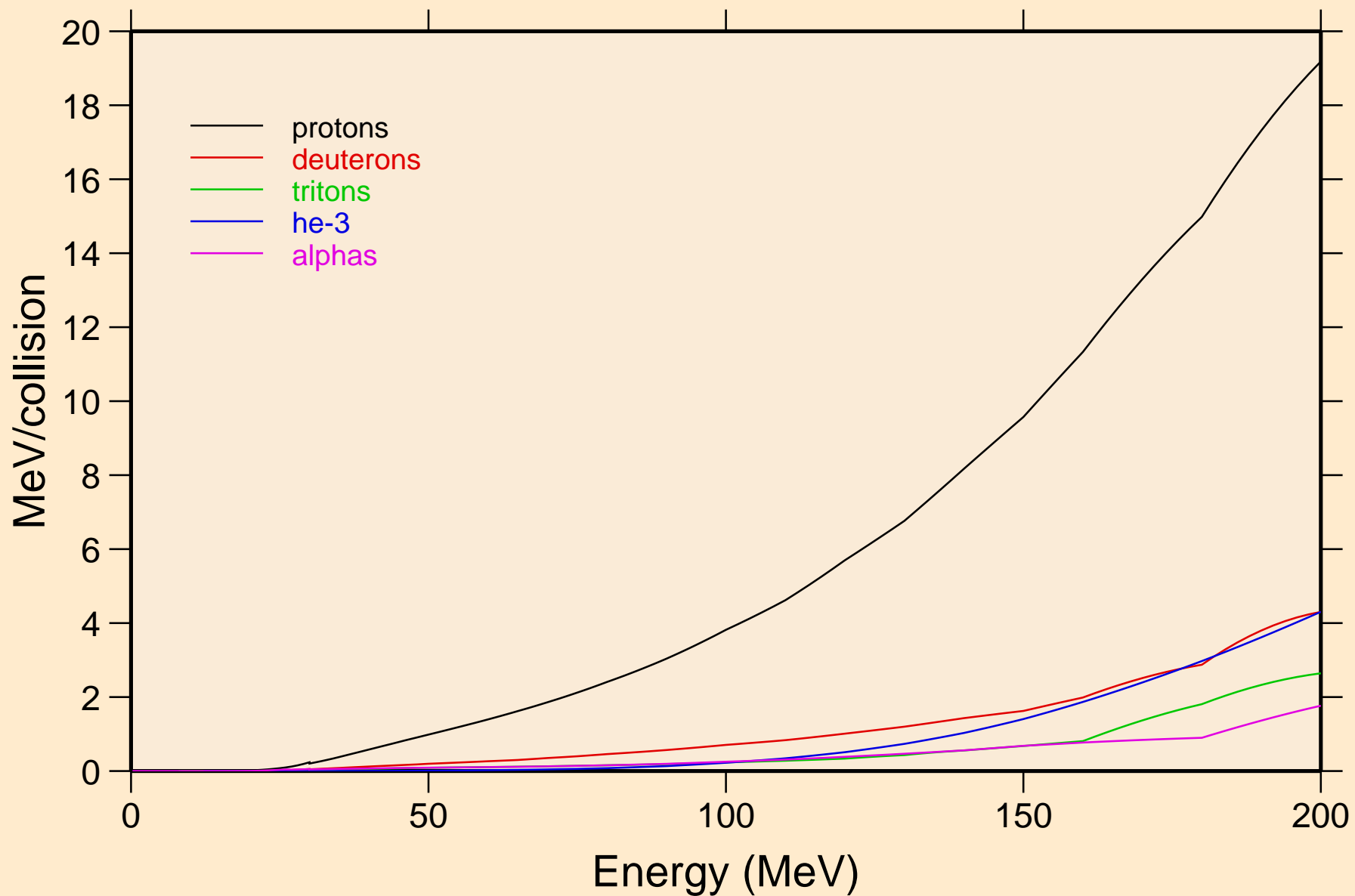


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

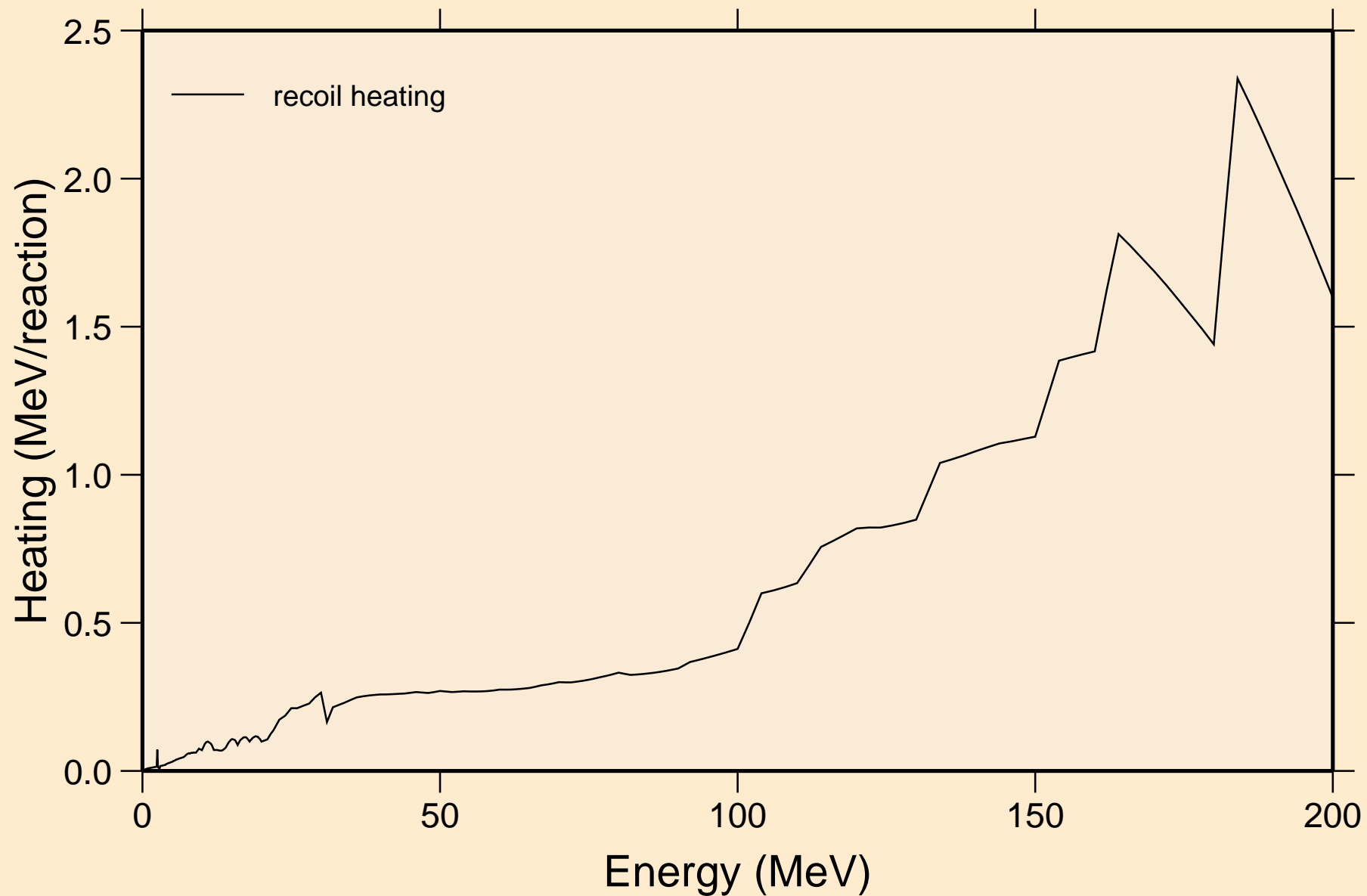


# GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

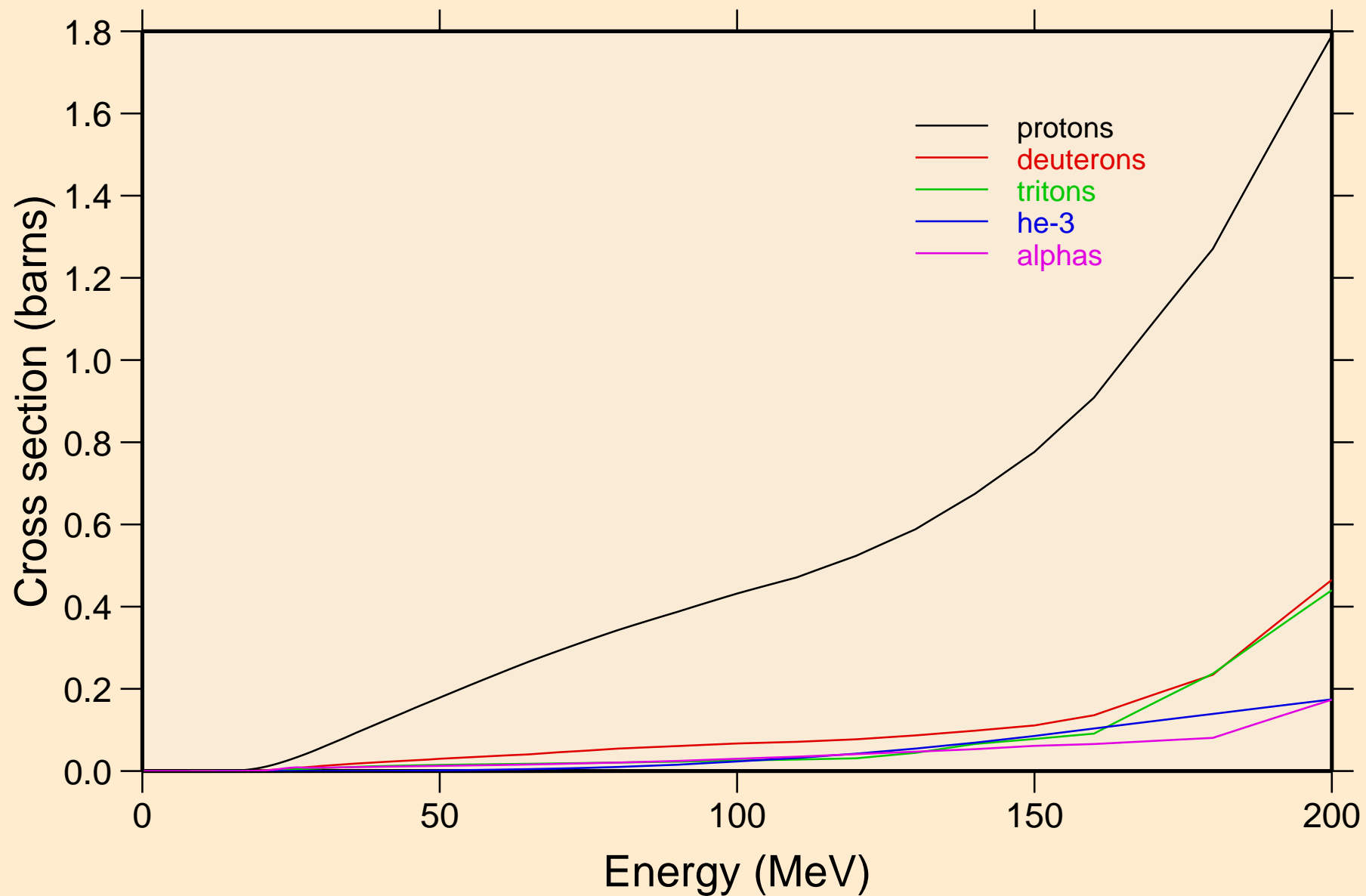
## Particle heating contributions



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

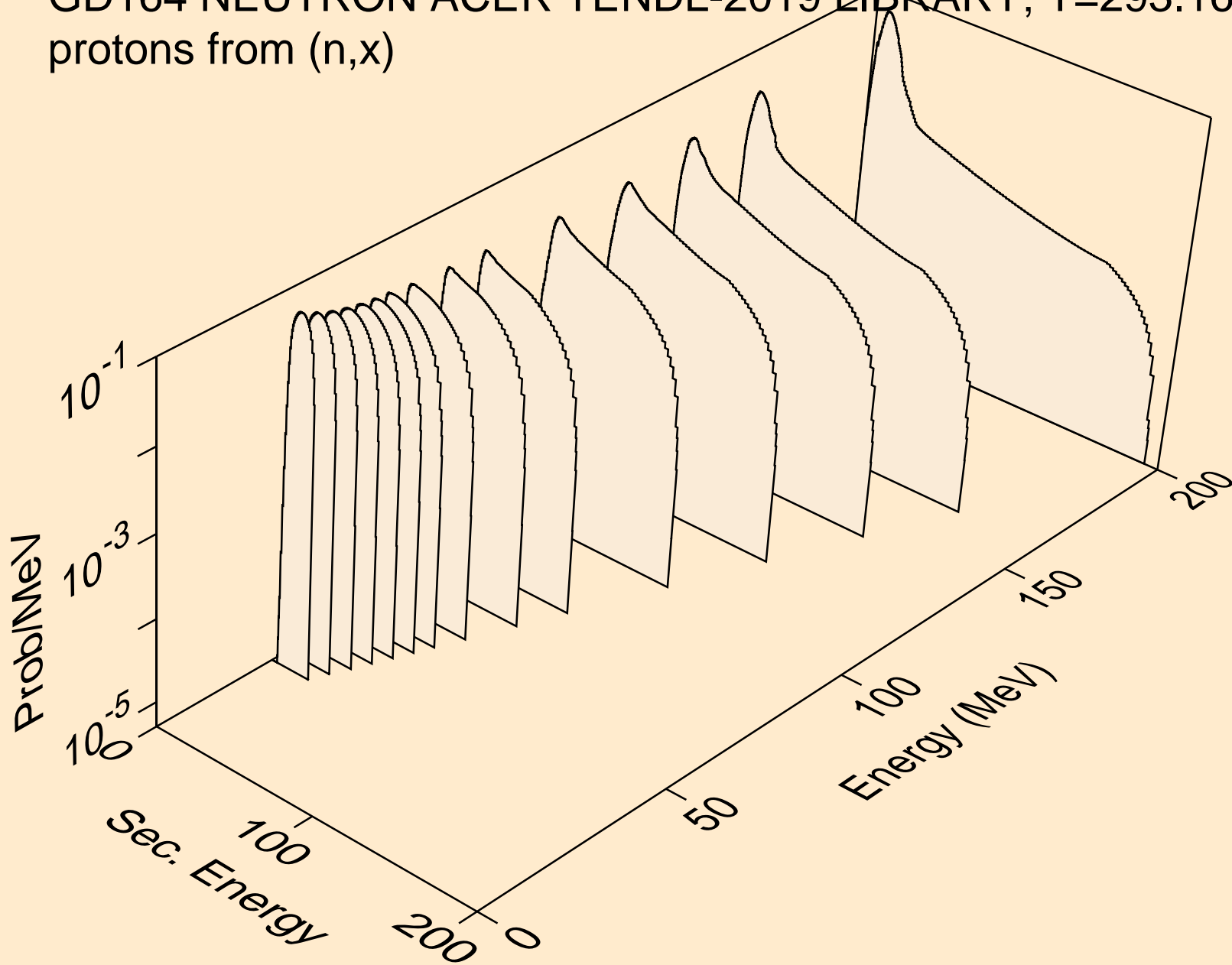


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

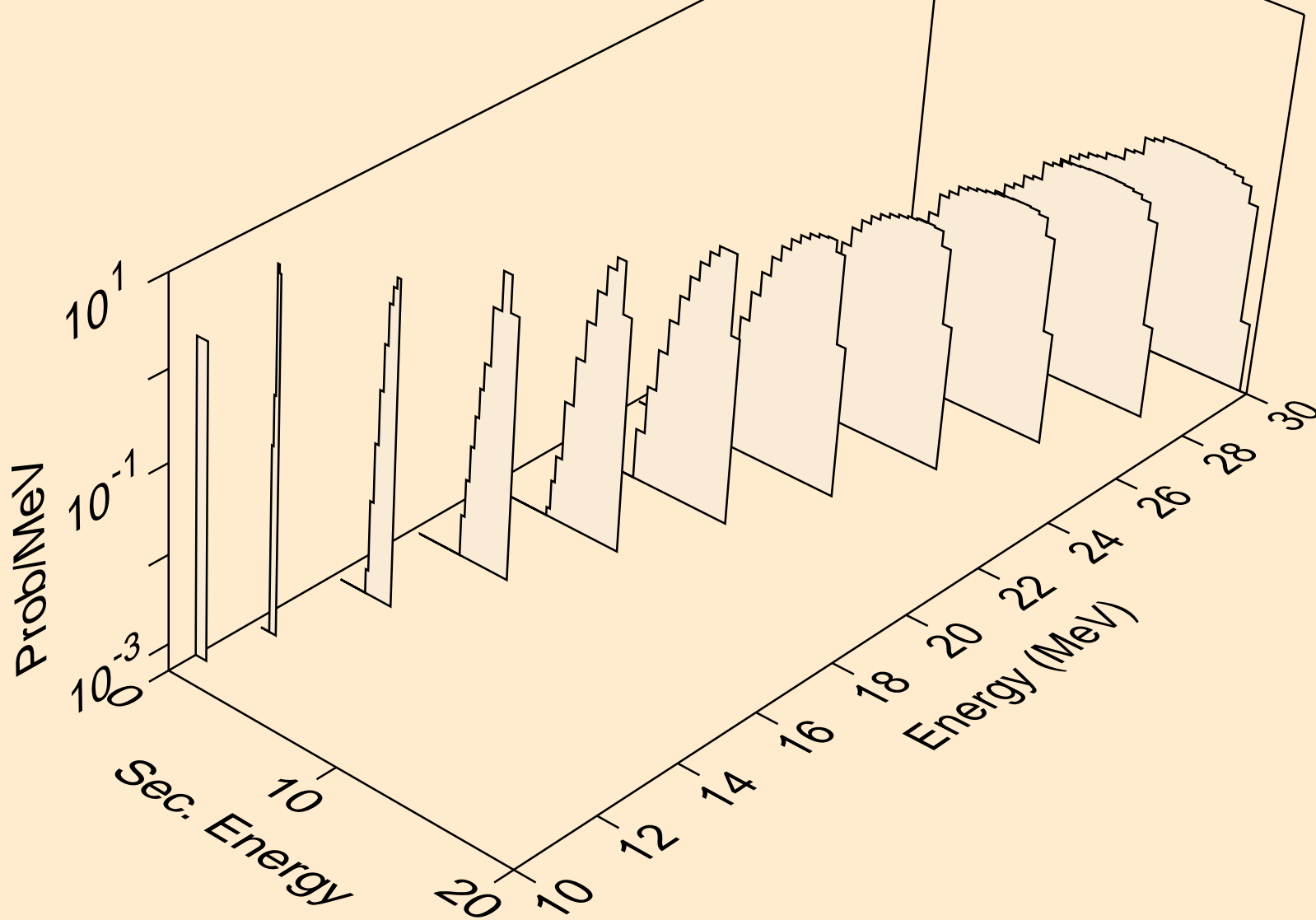




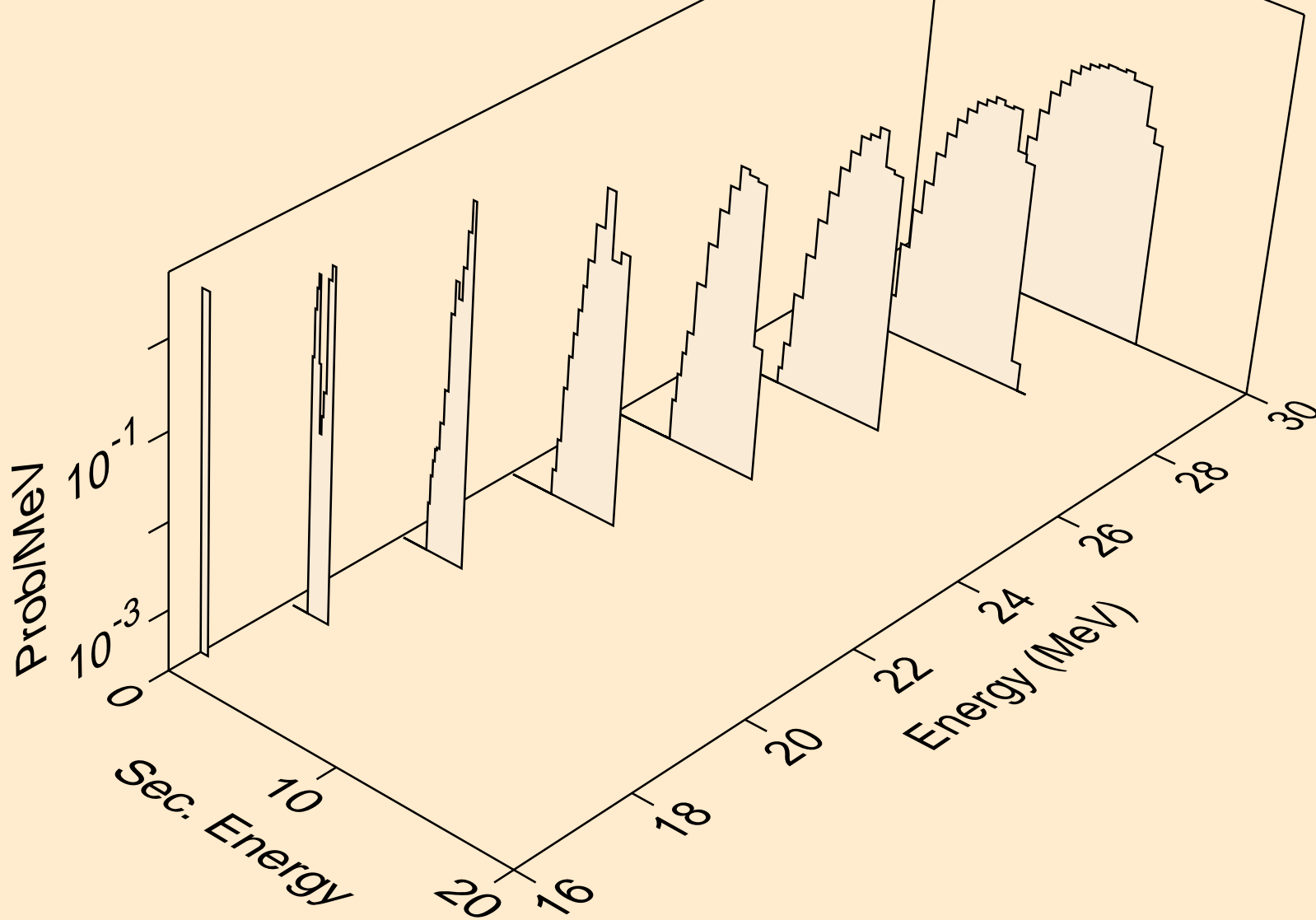
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



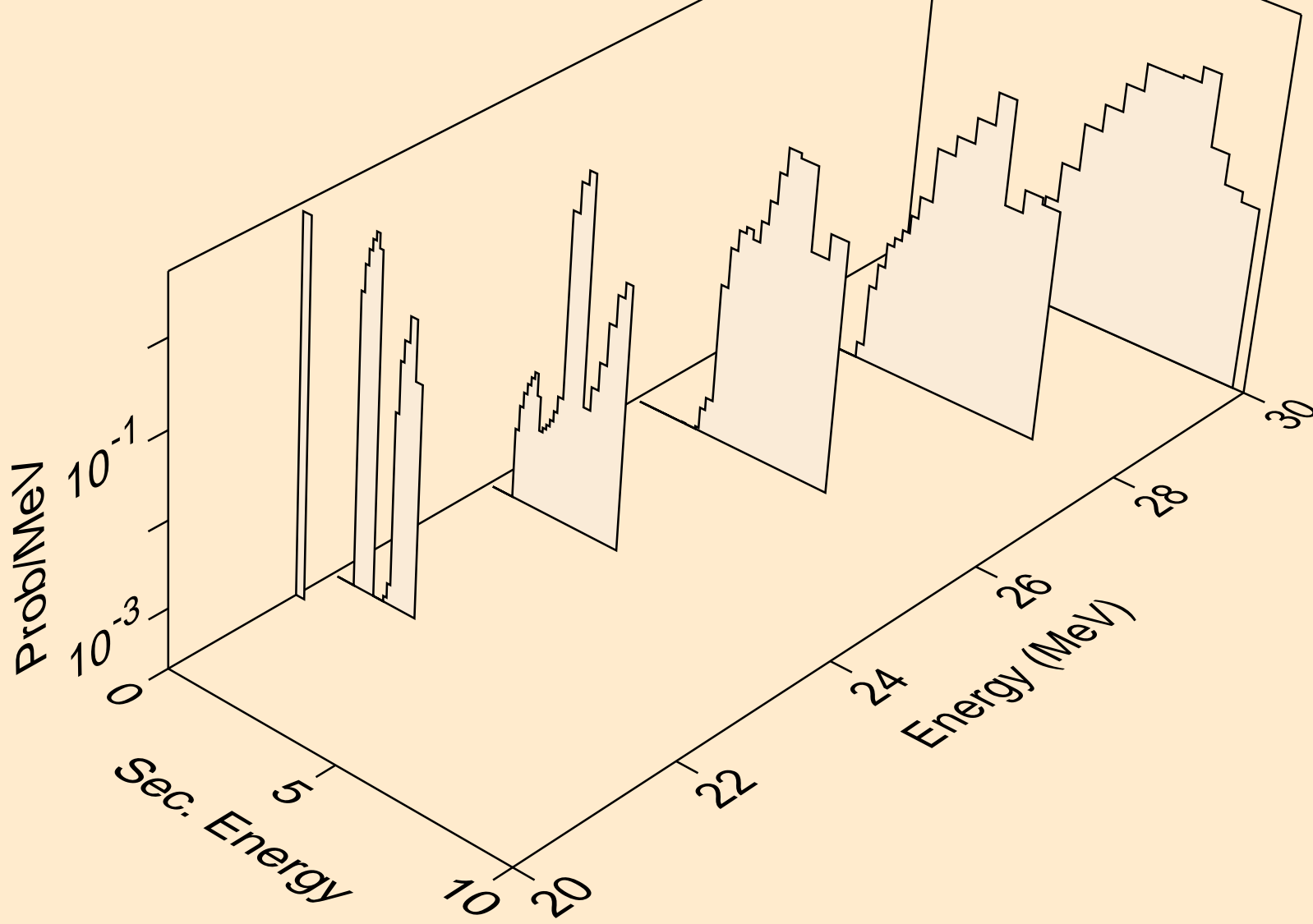
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



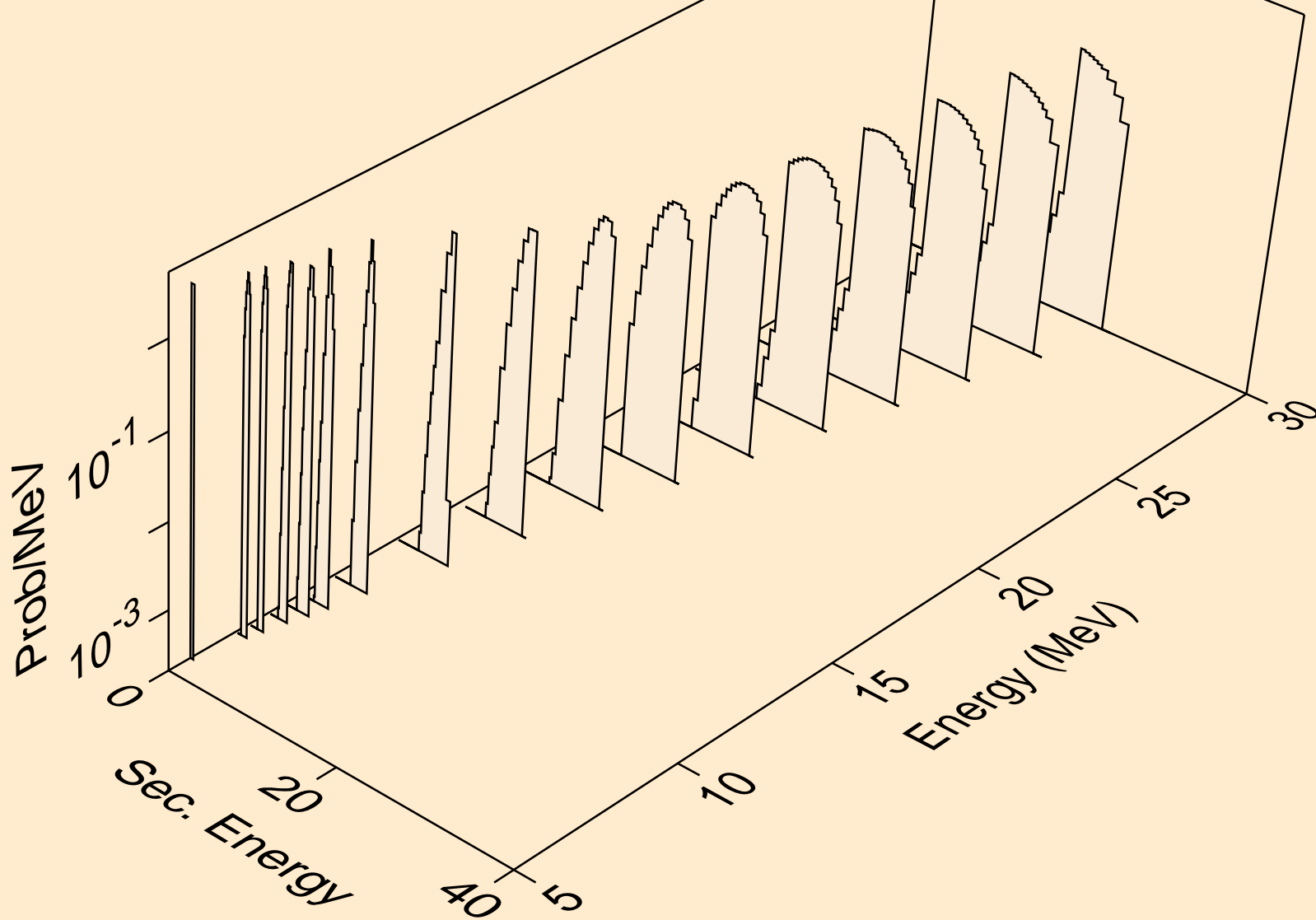
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protons from (n,2np)



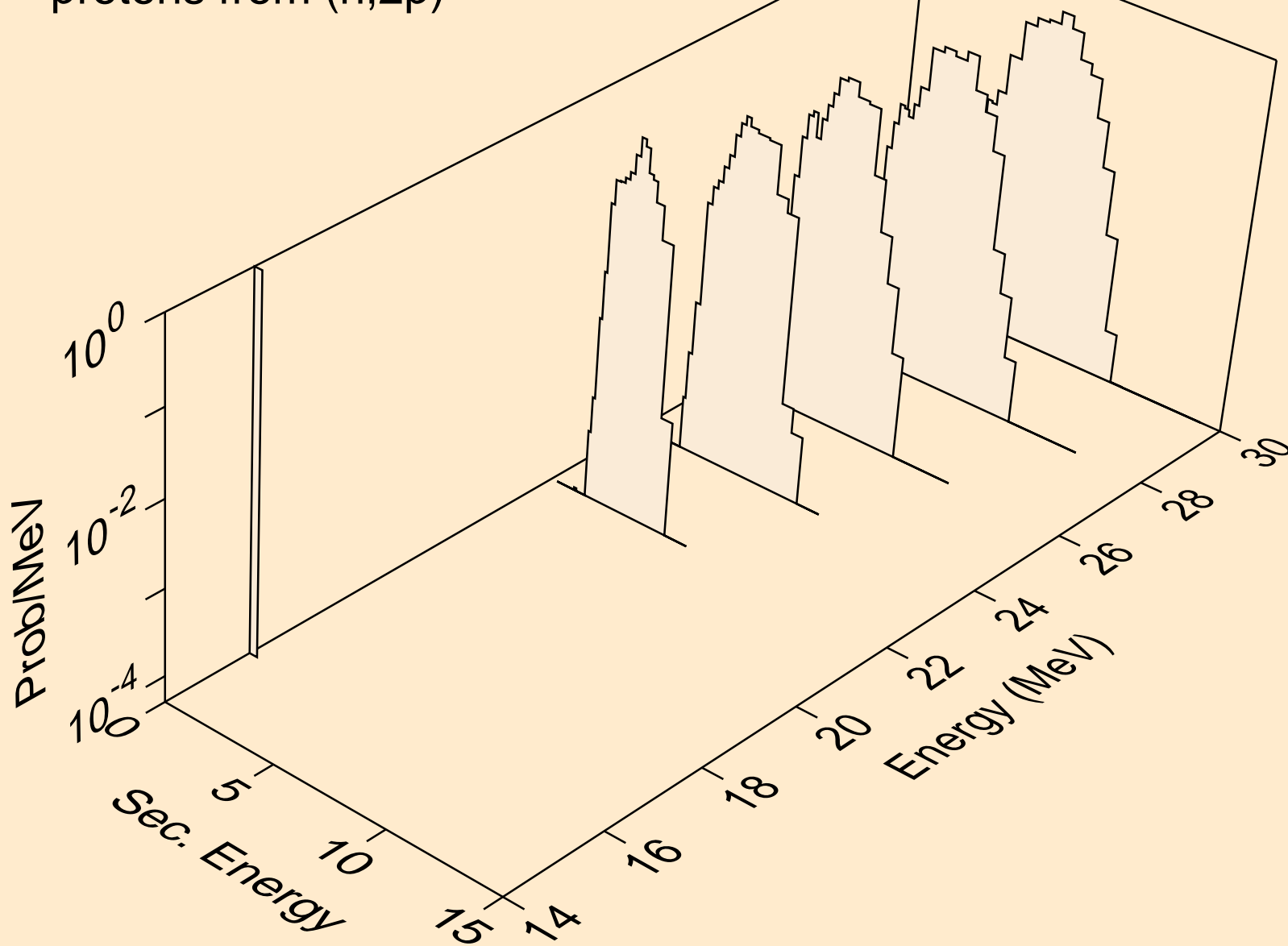
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



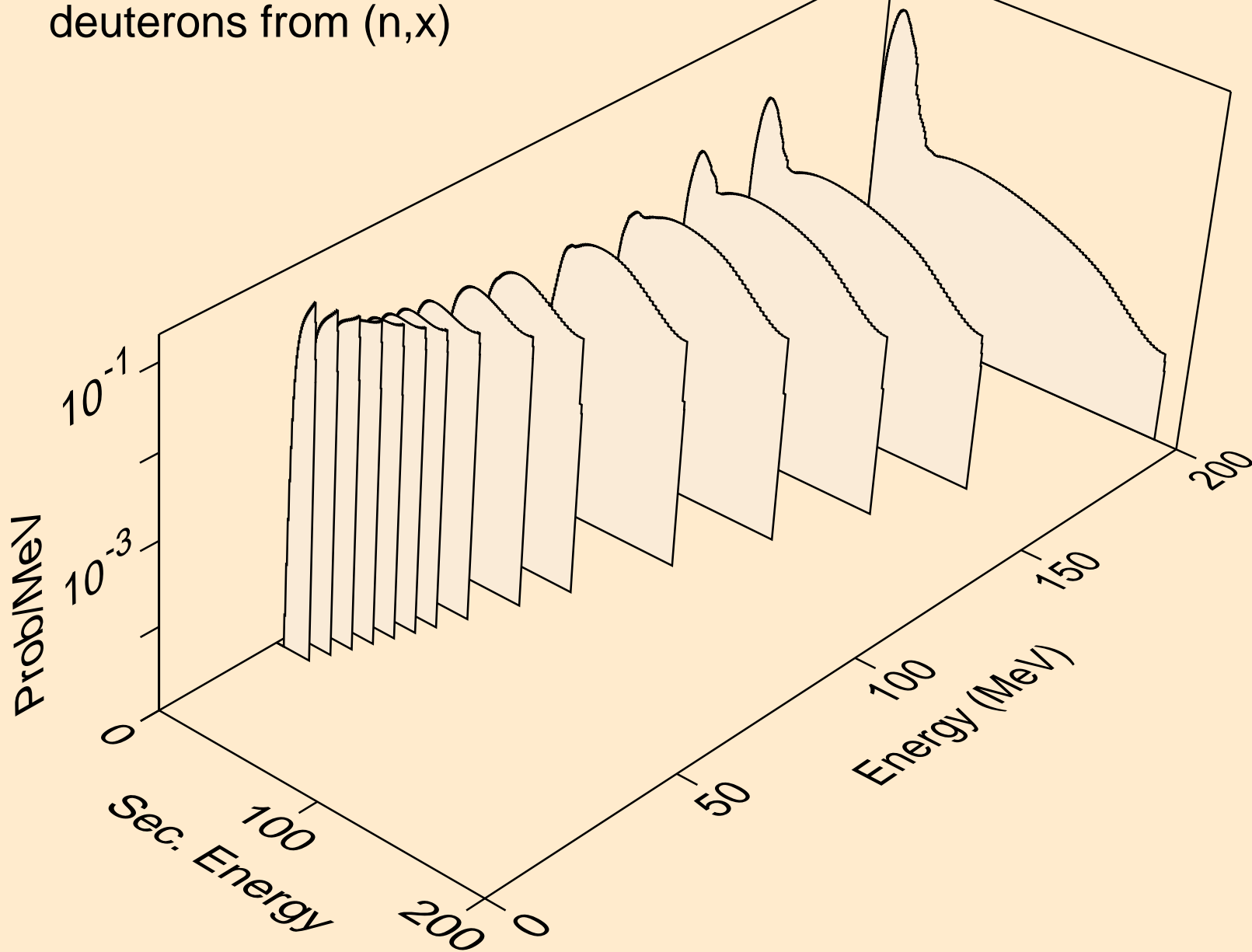
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



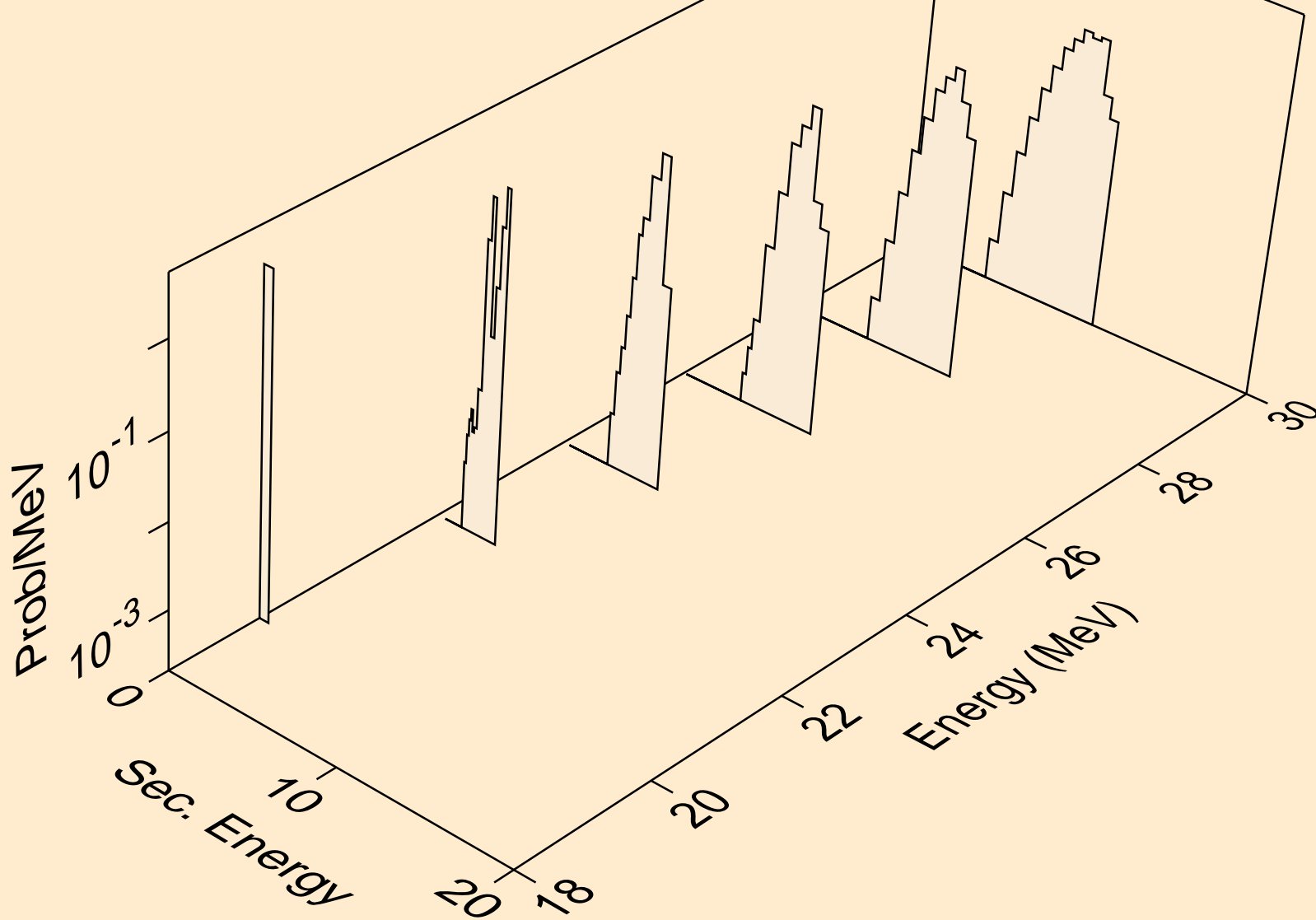
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

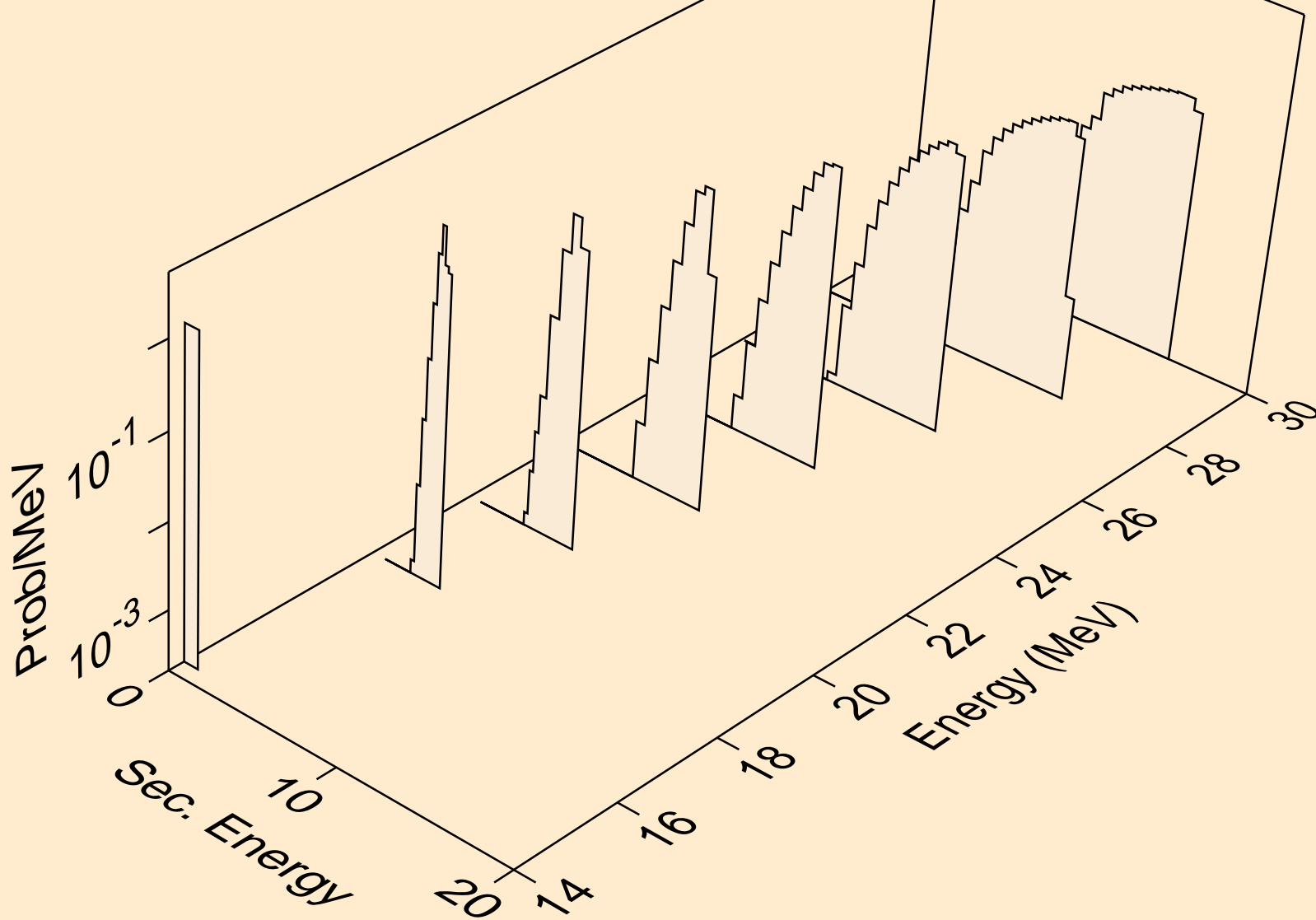


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

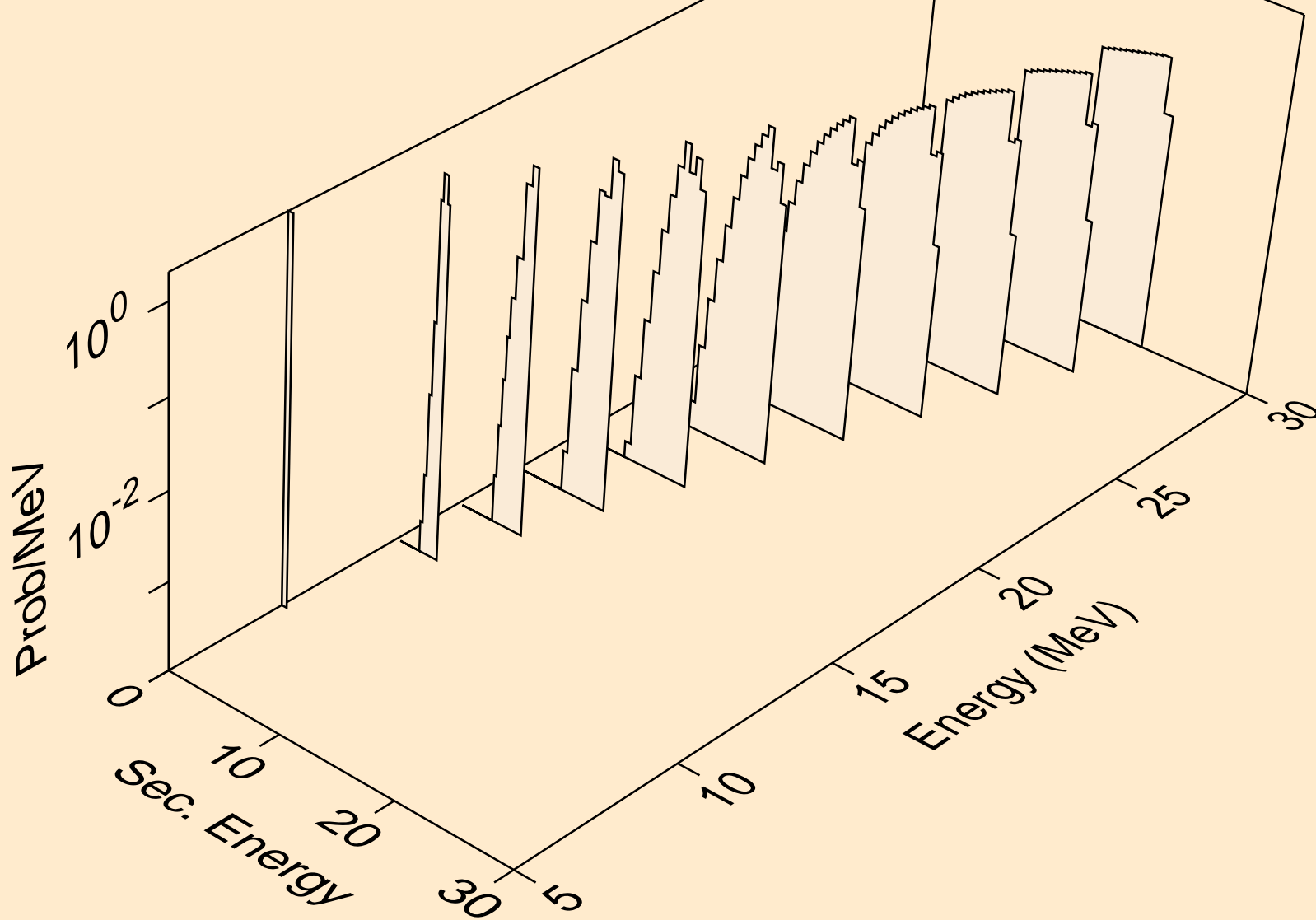




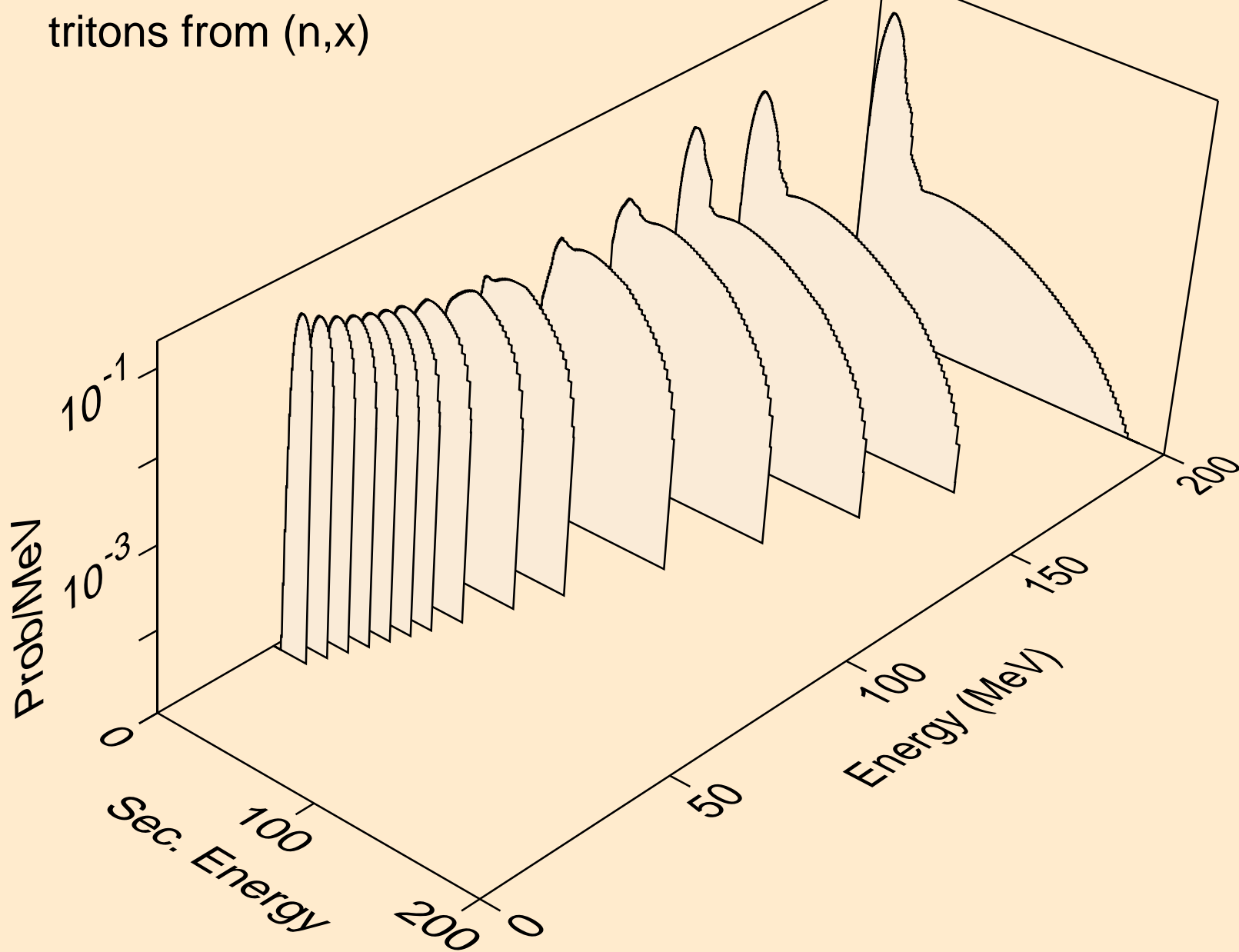
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



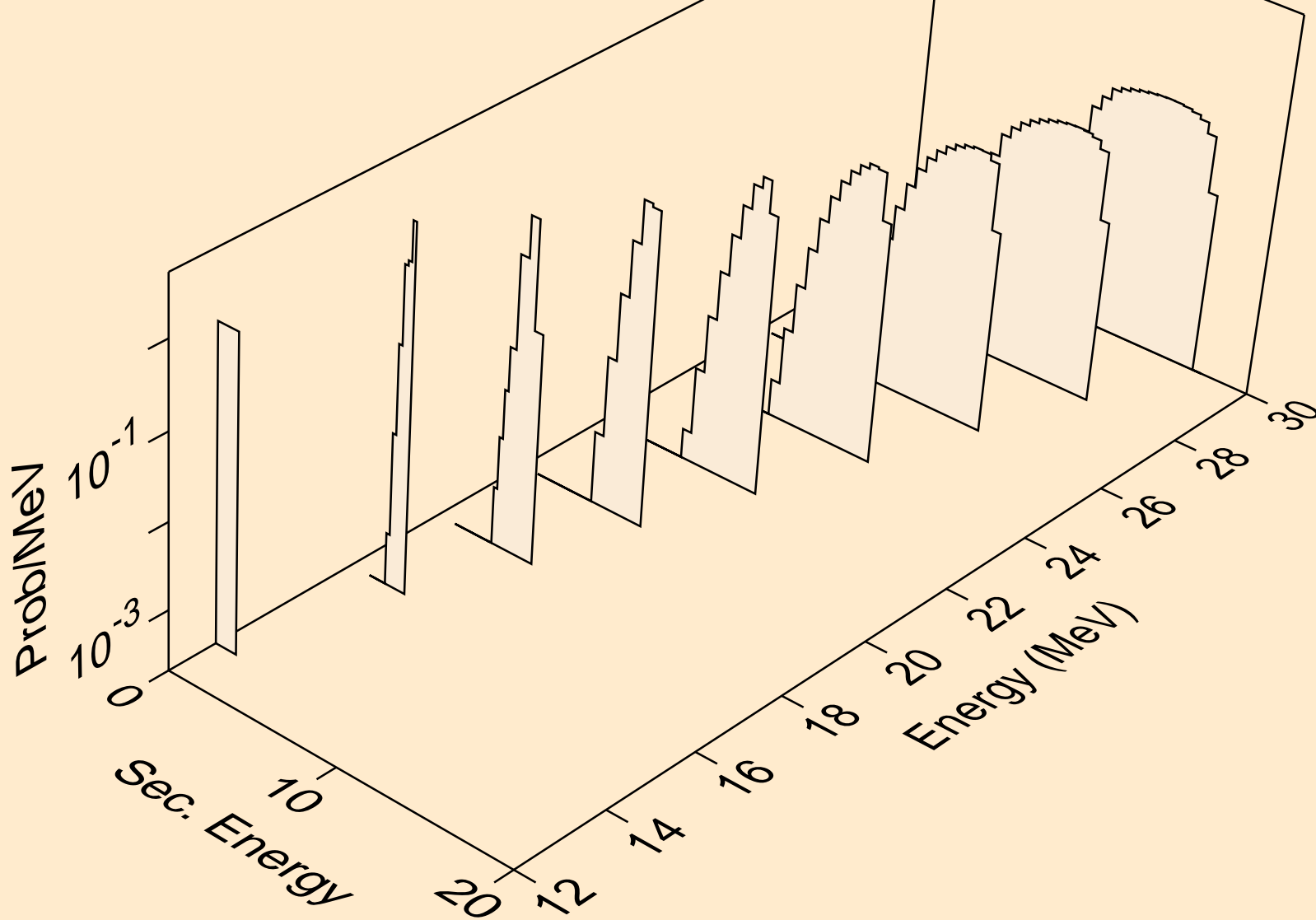
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deuterons from (n,d)



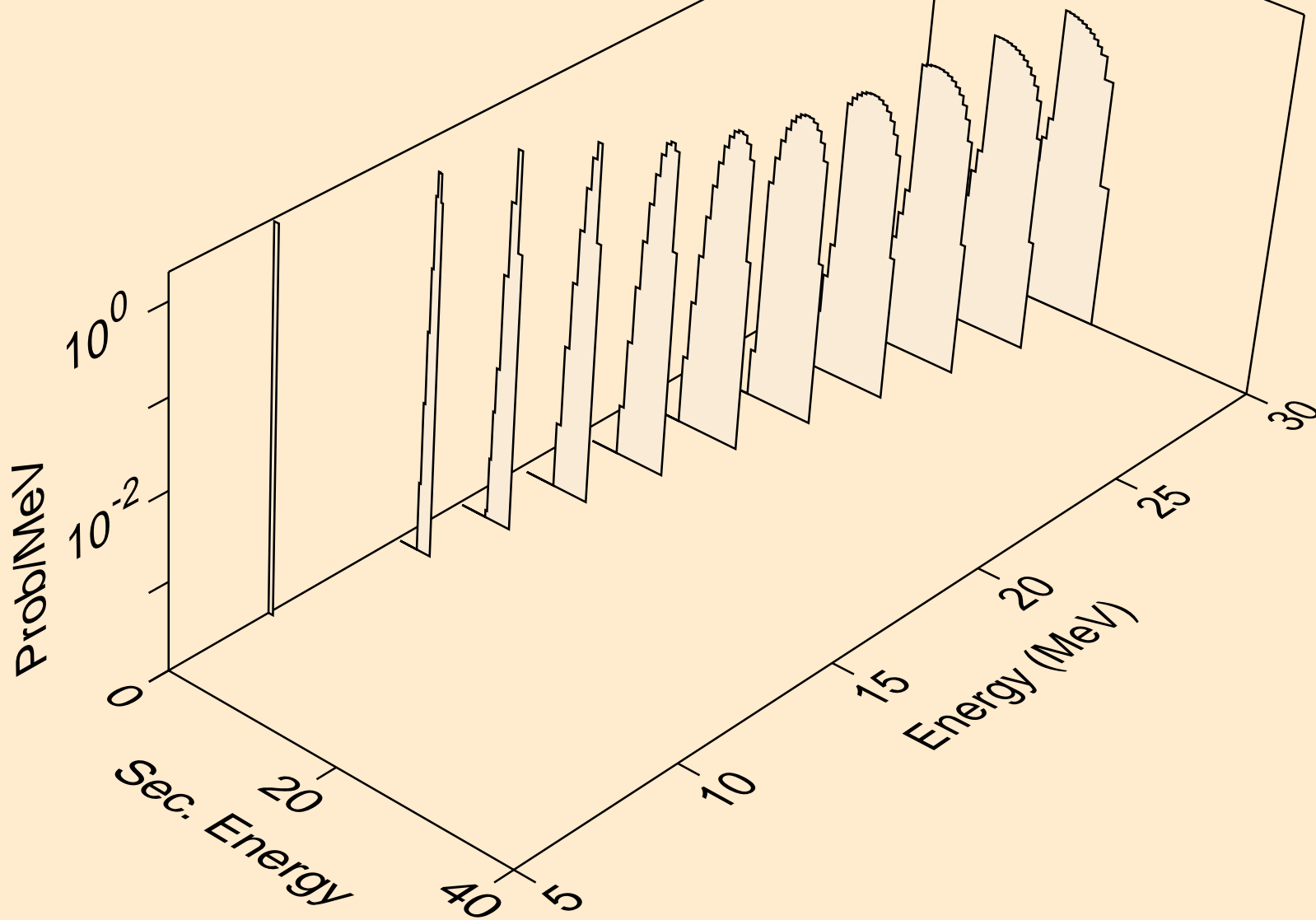
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



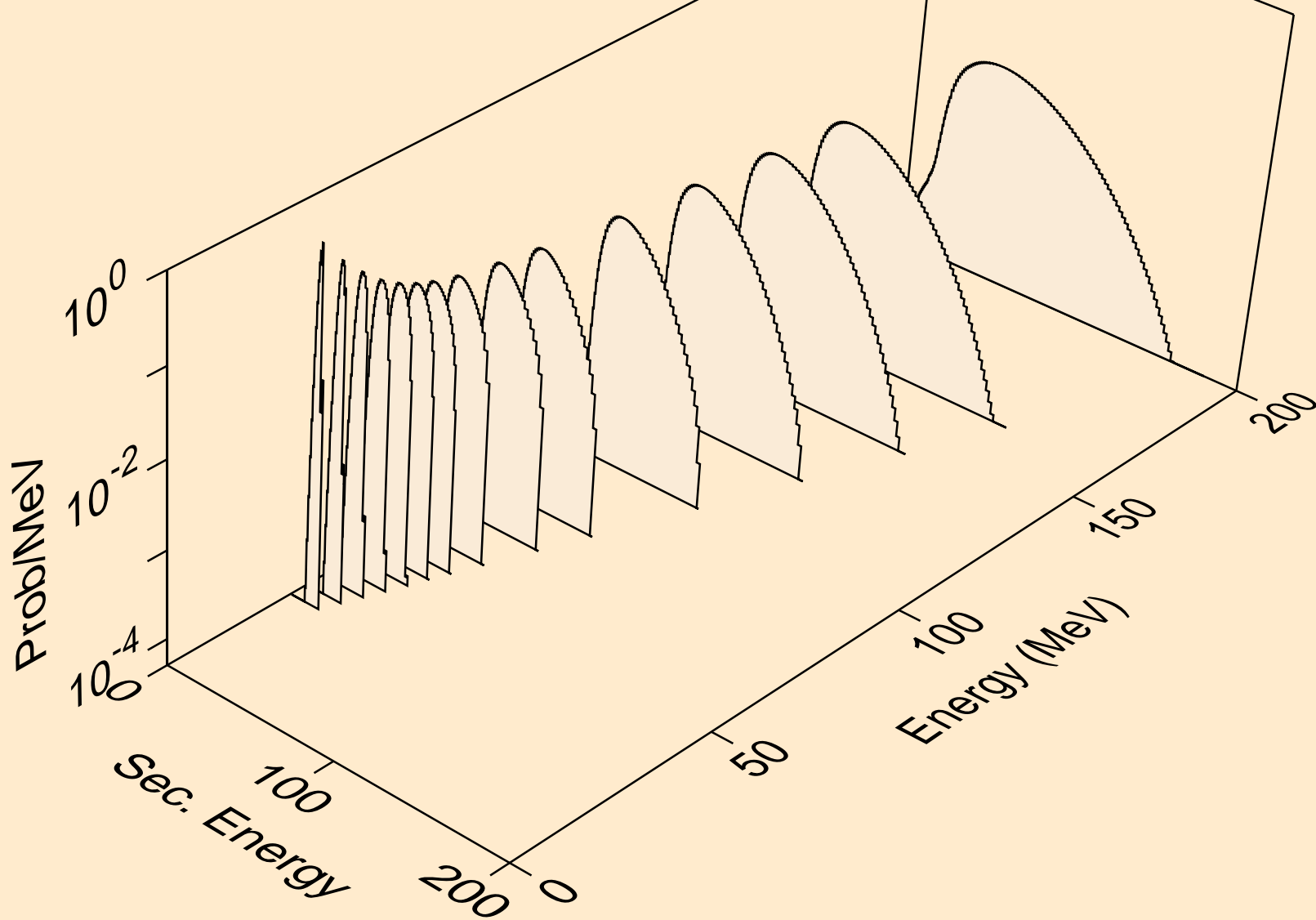
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



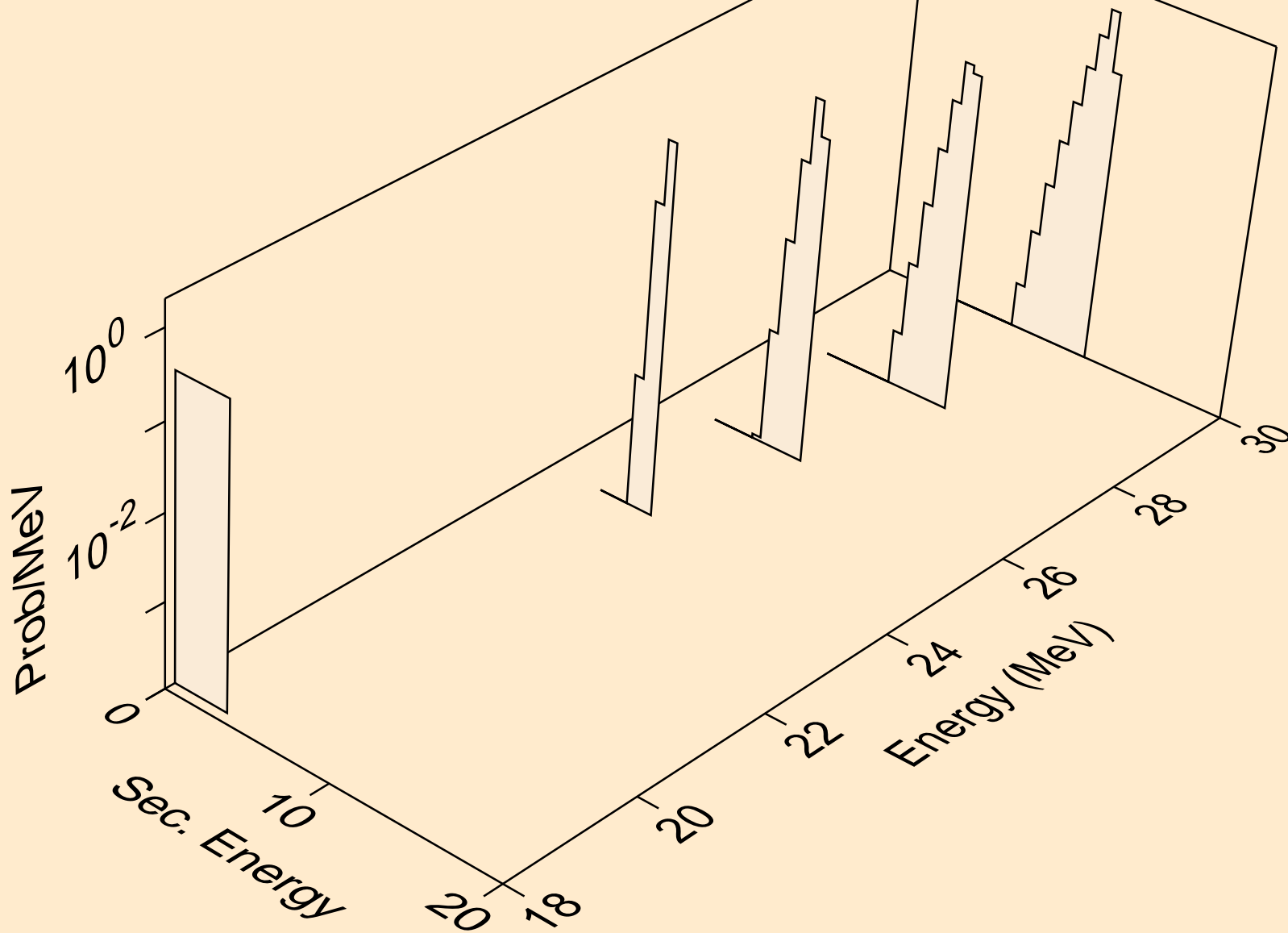
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tritons from (n,t)



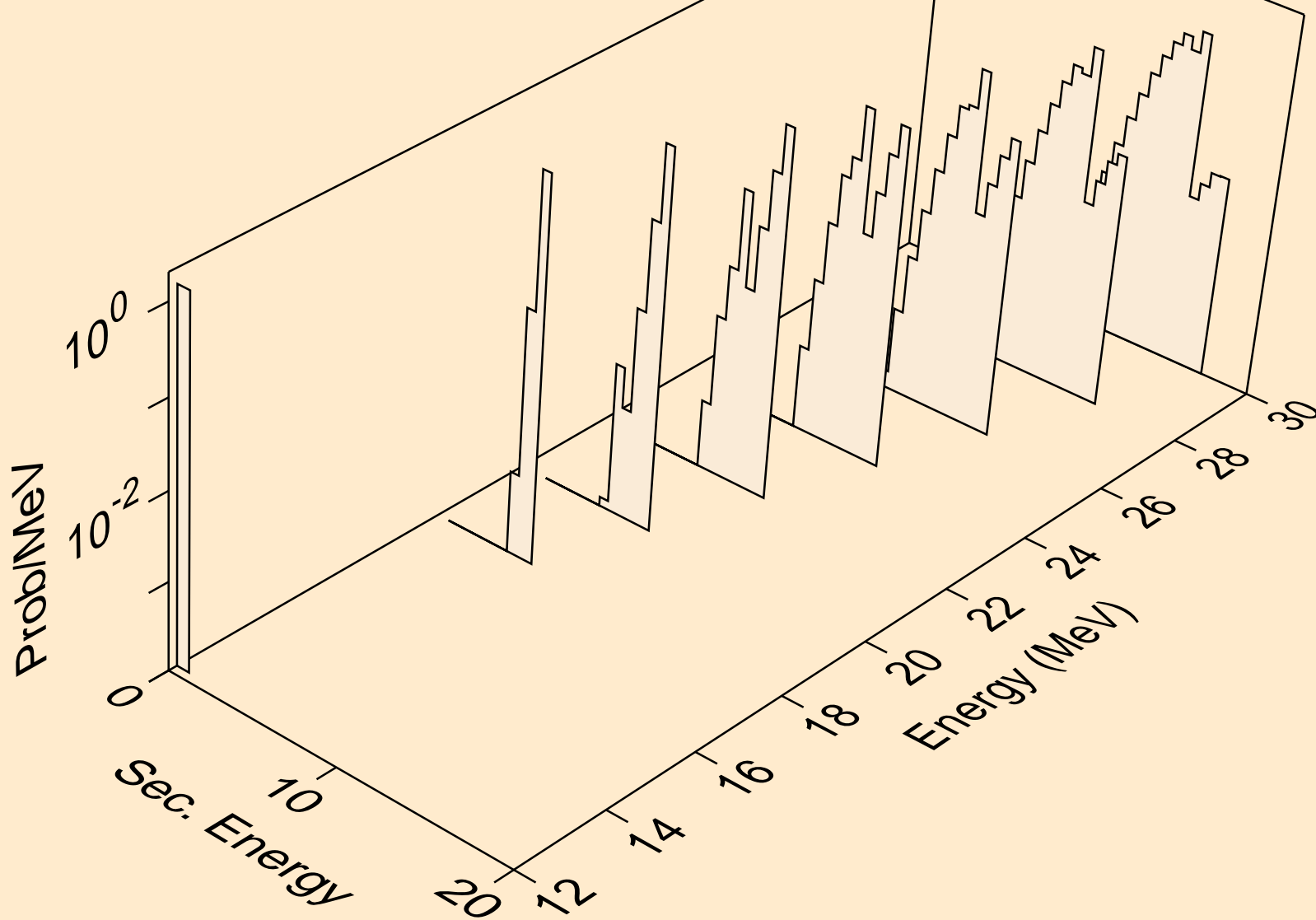
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

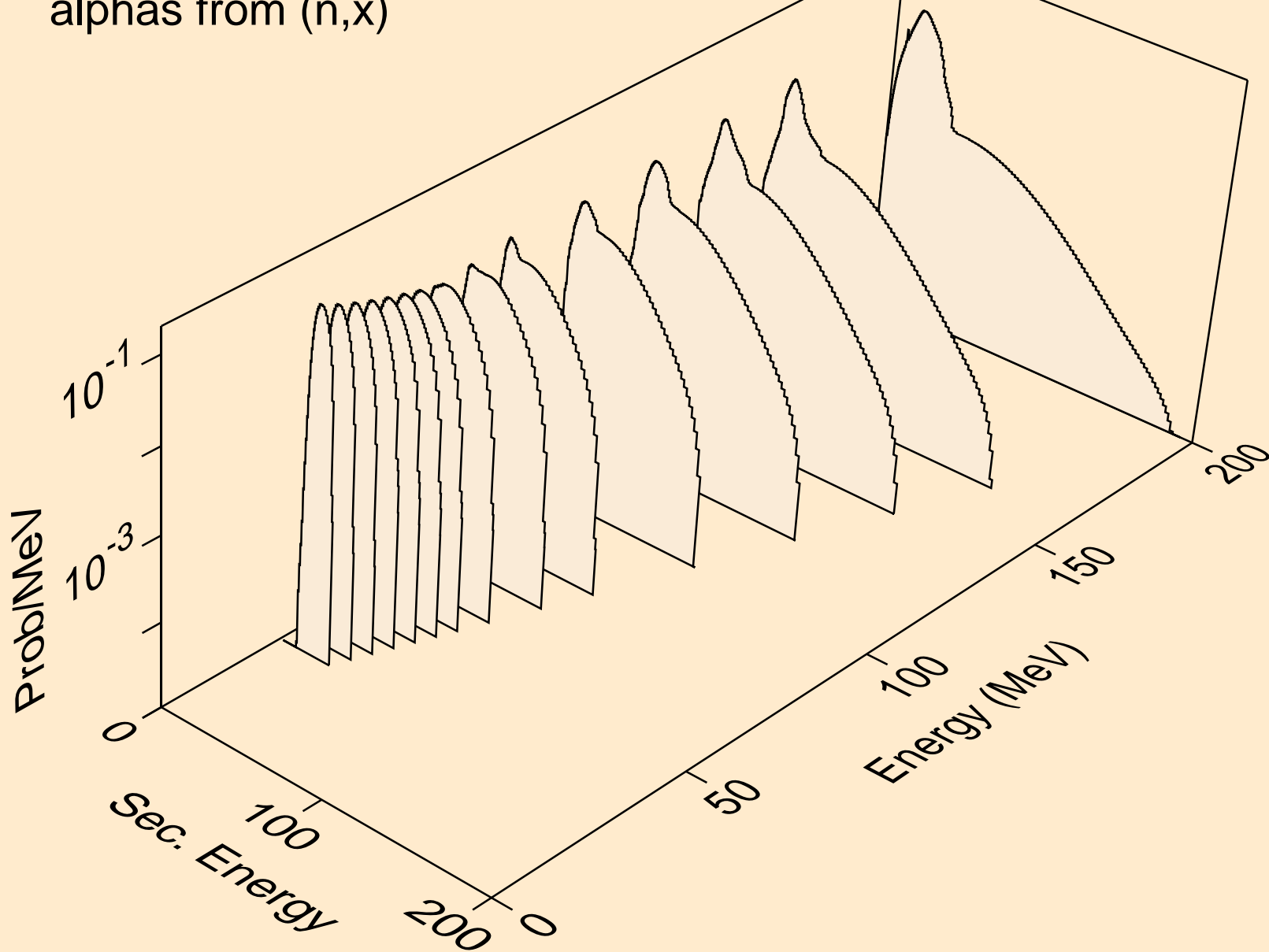


GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

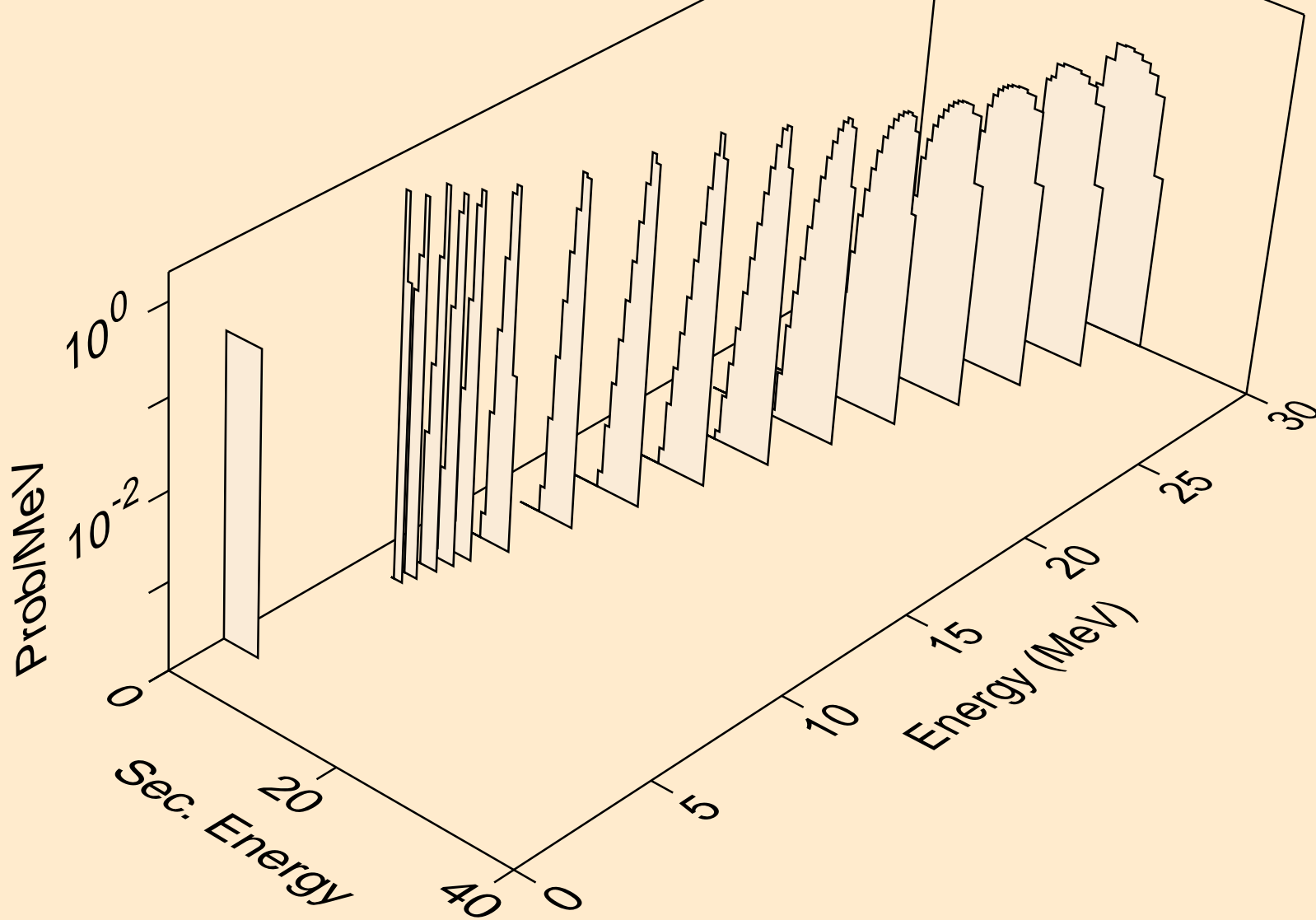




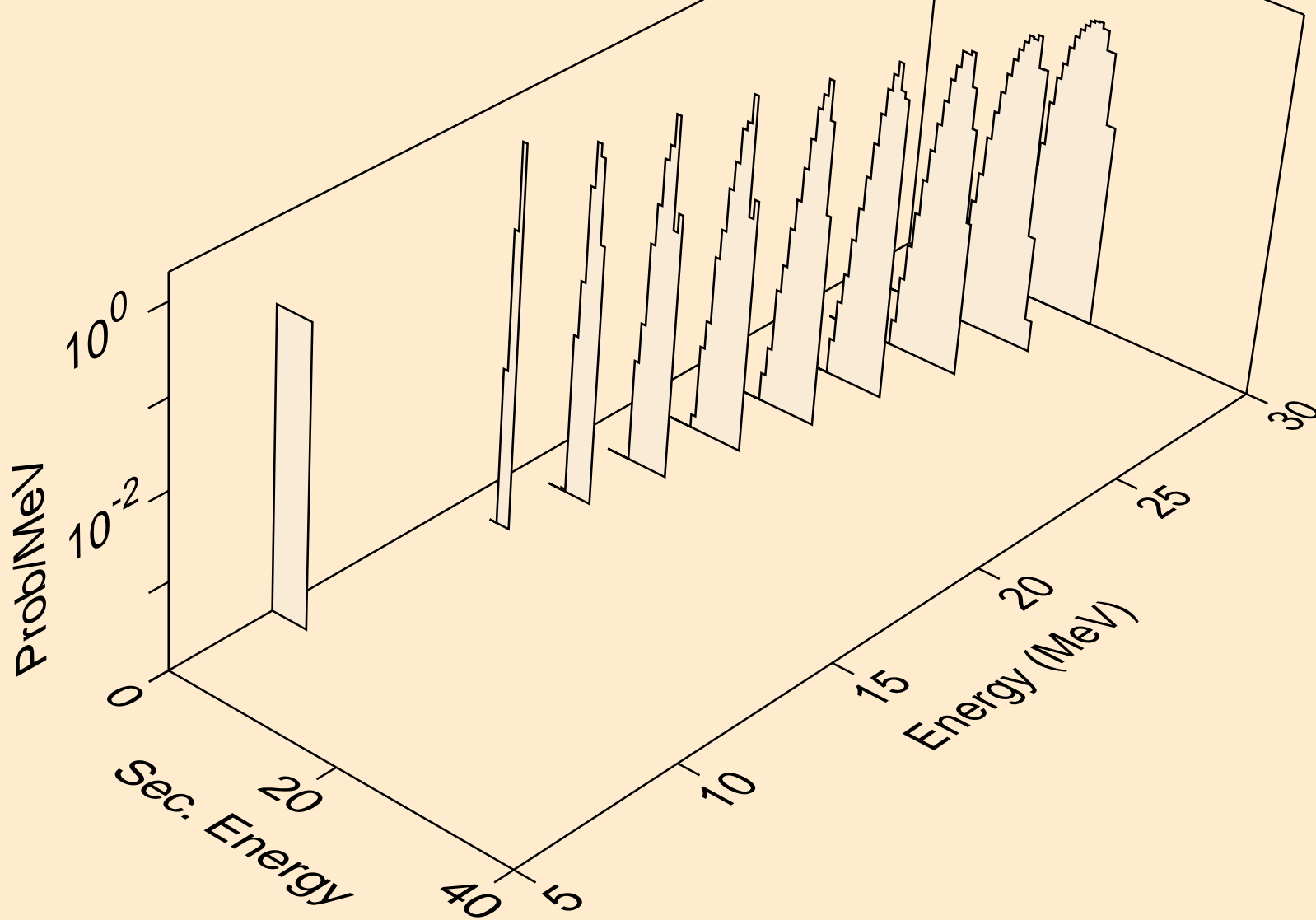
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



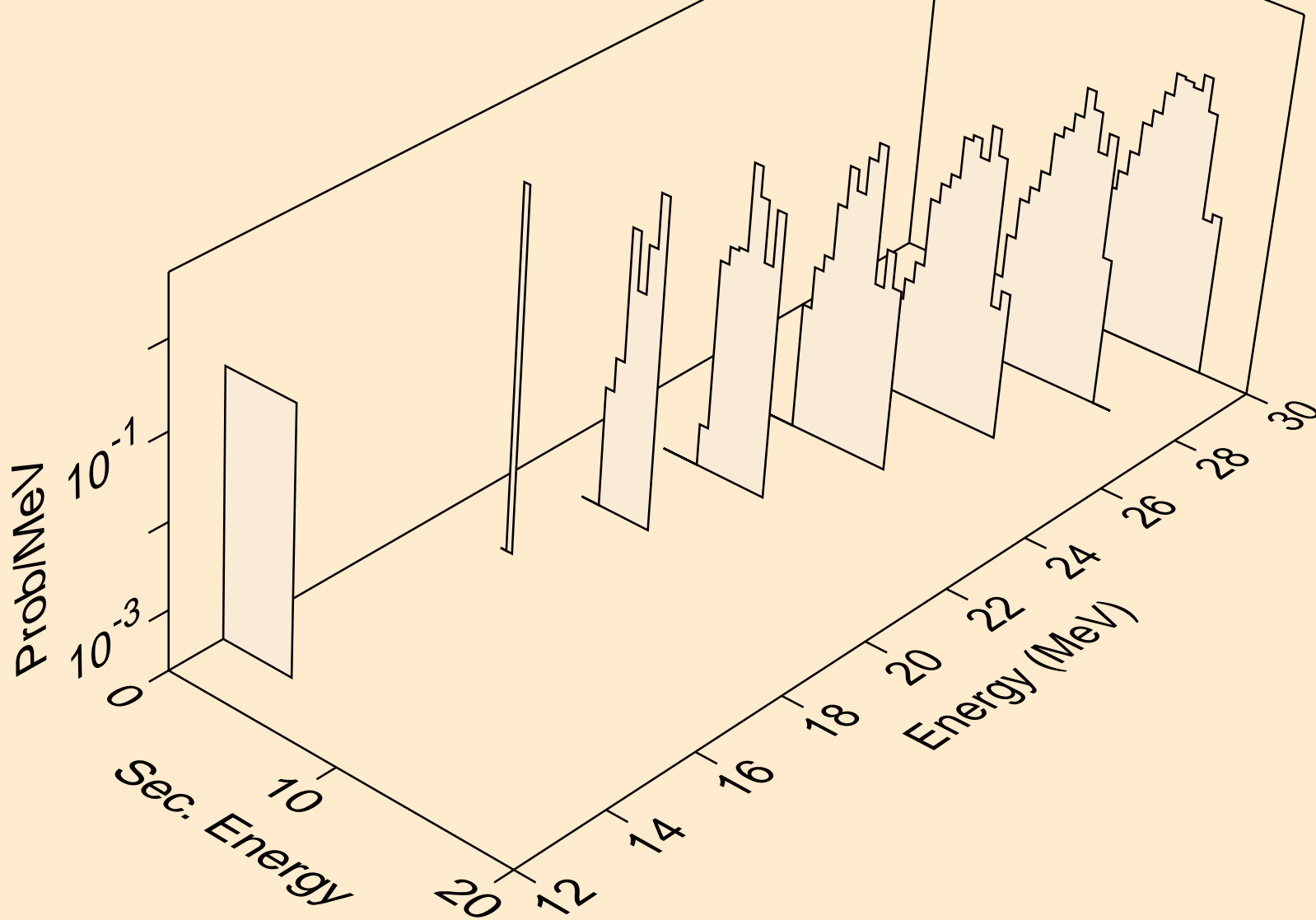
GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



GD164 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

