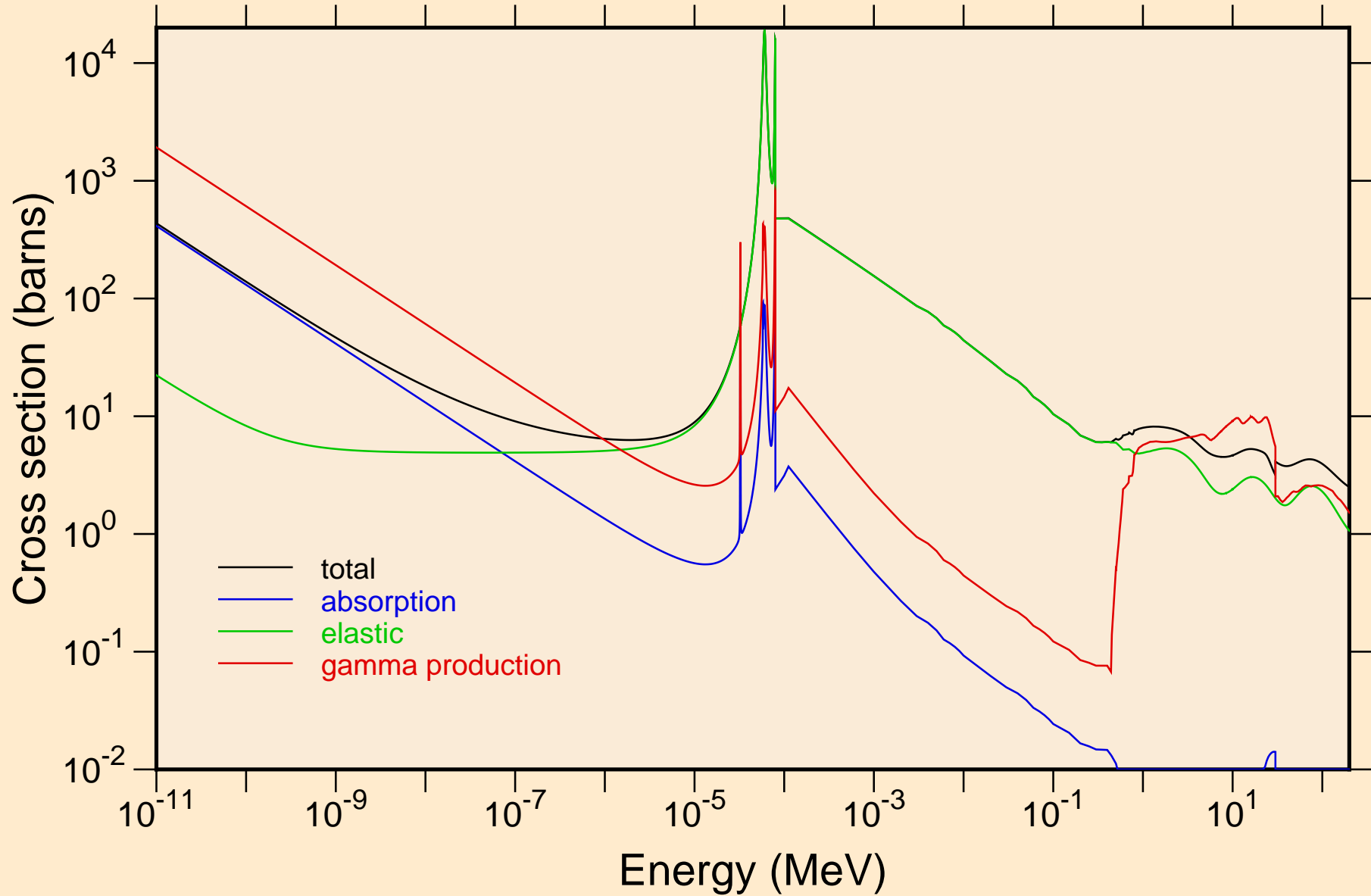
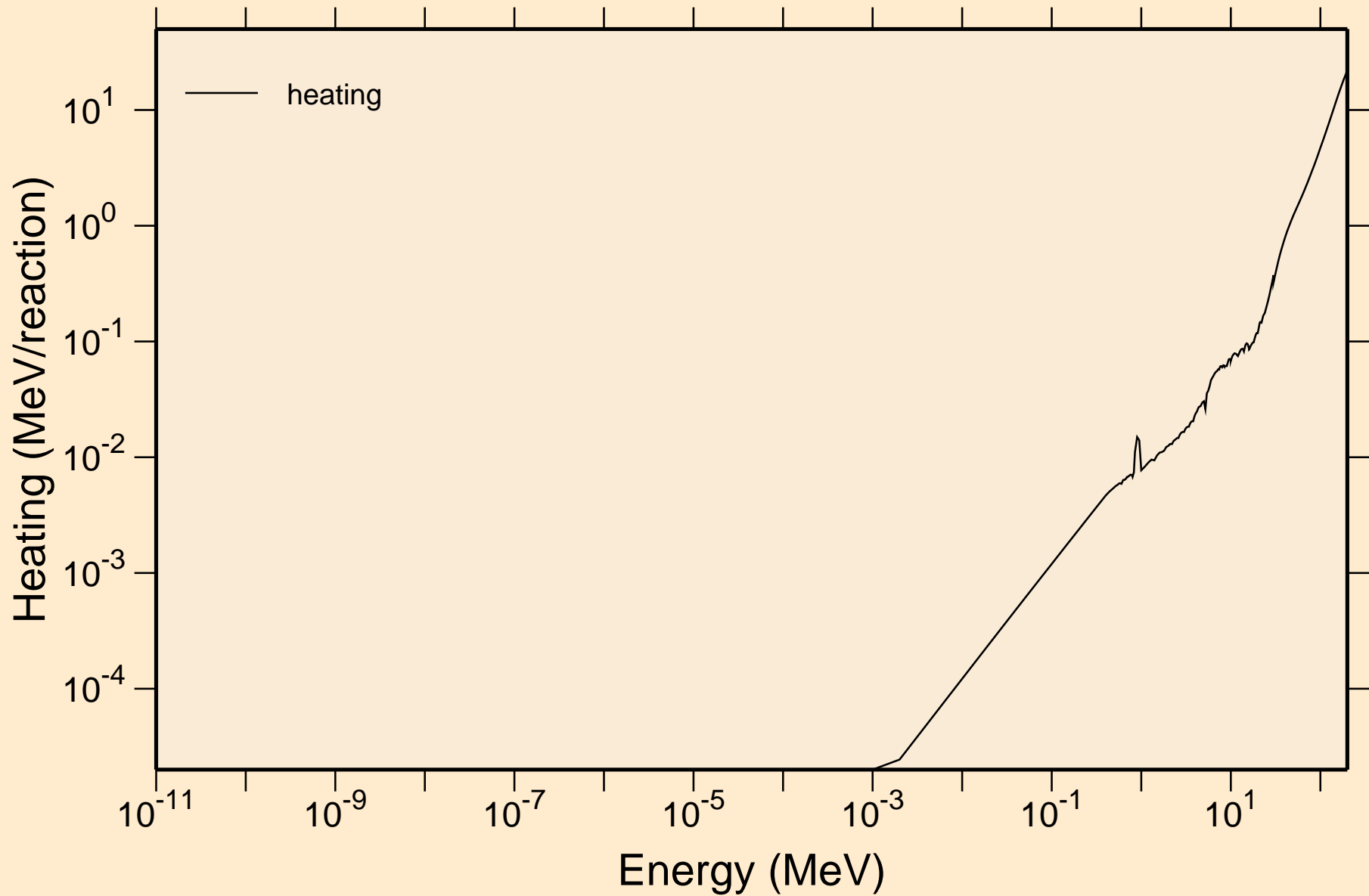


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

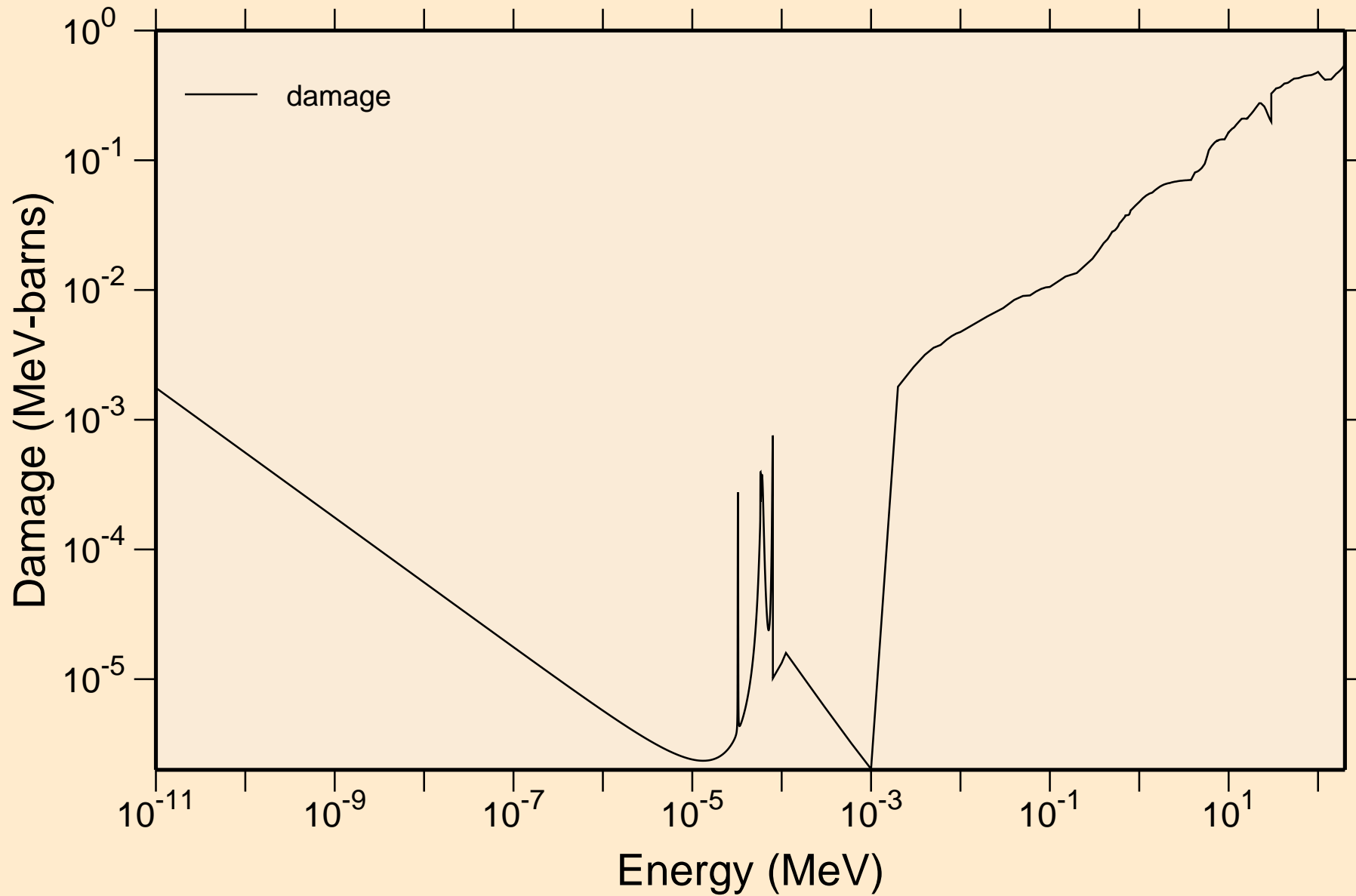


SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

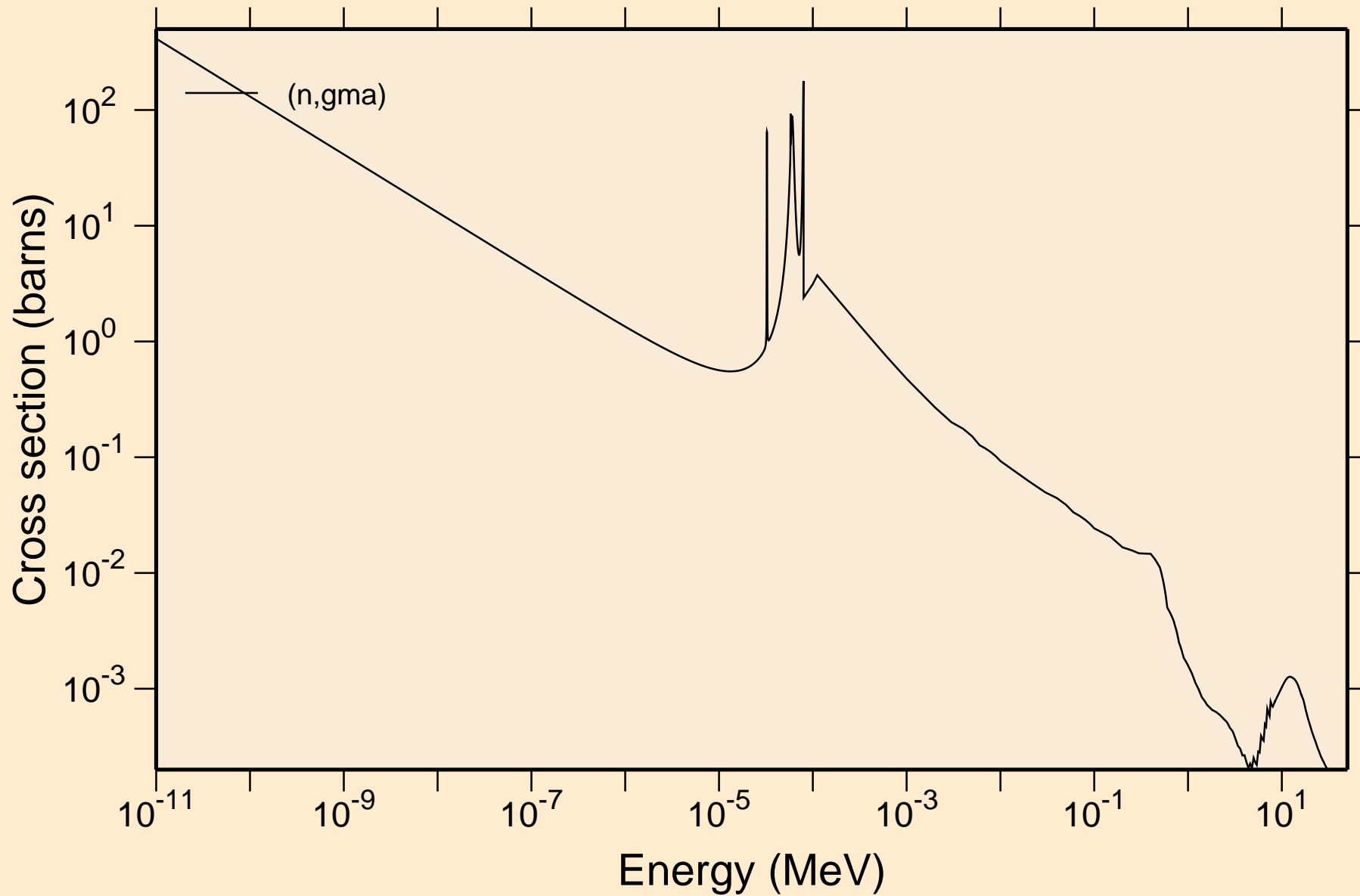


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

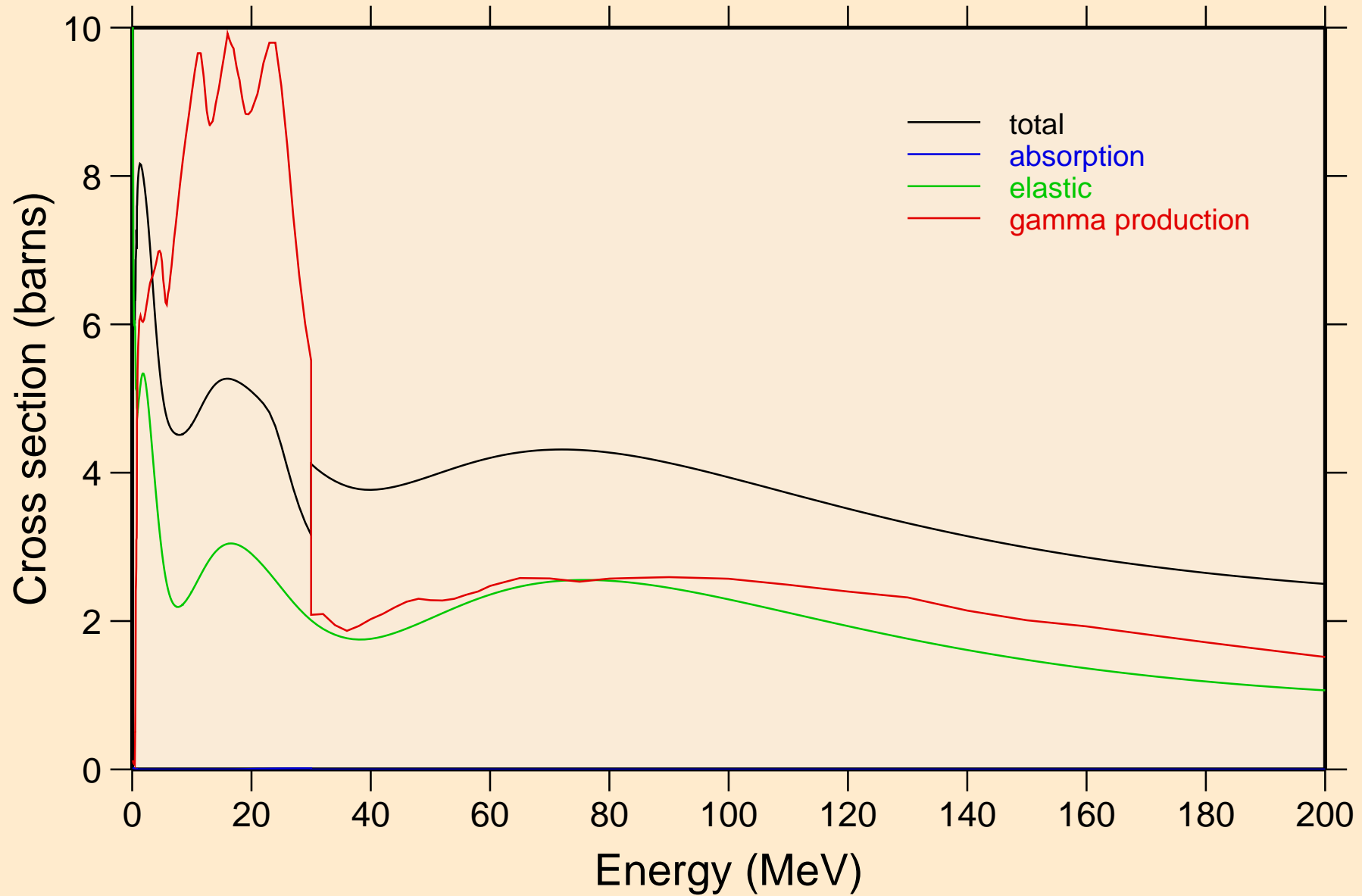


SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

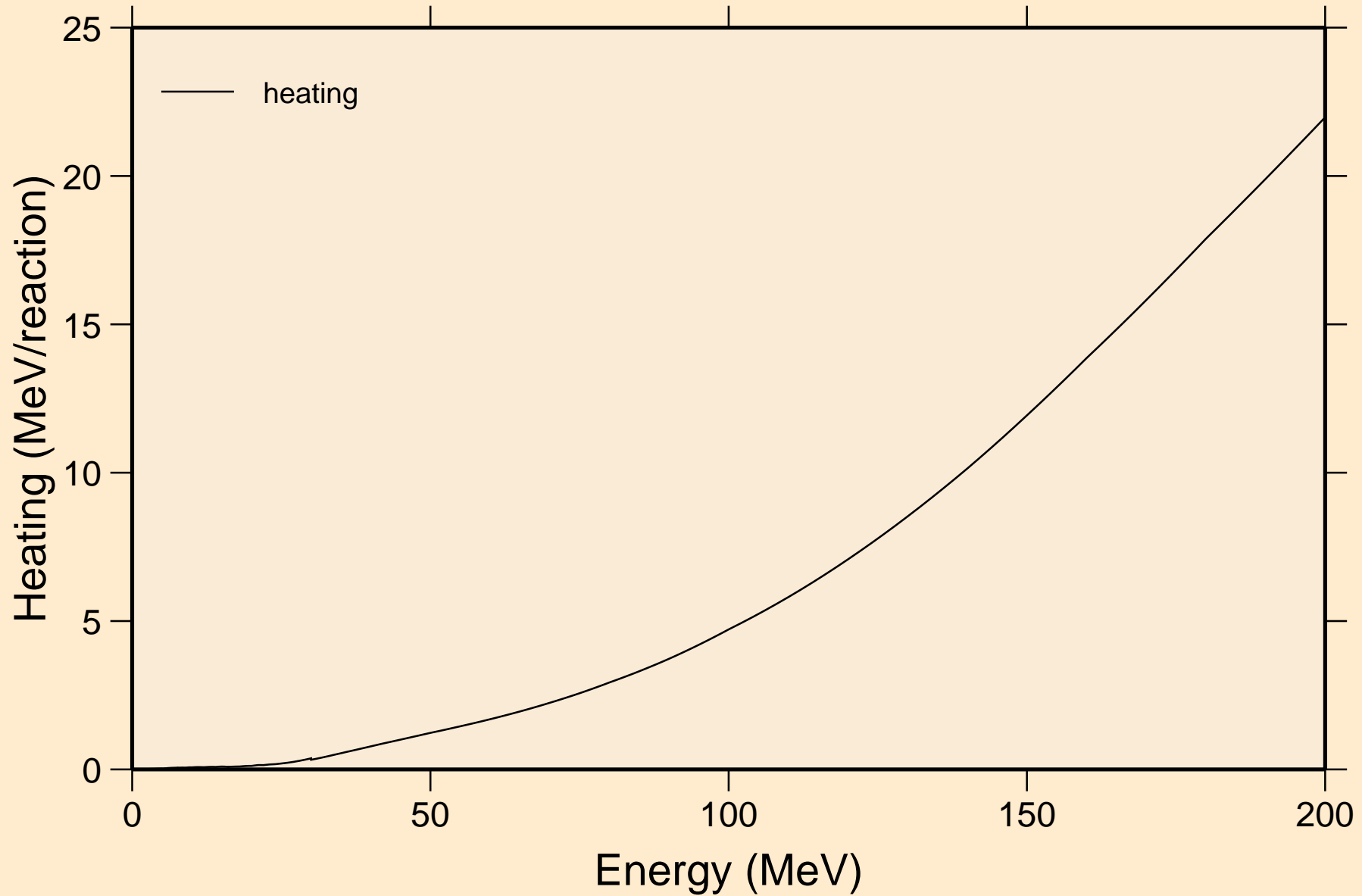


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

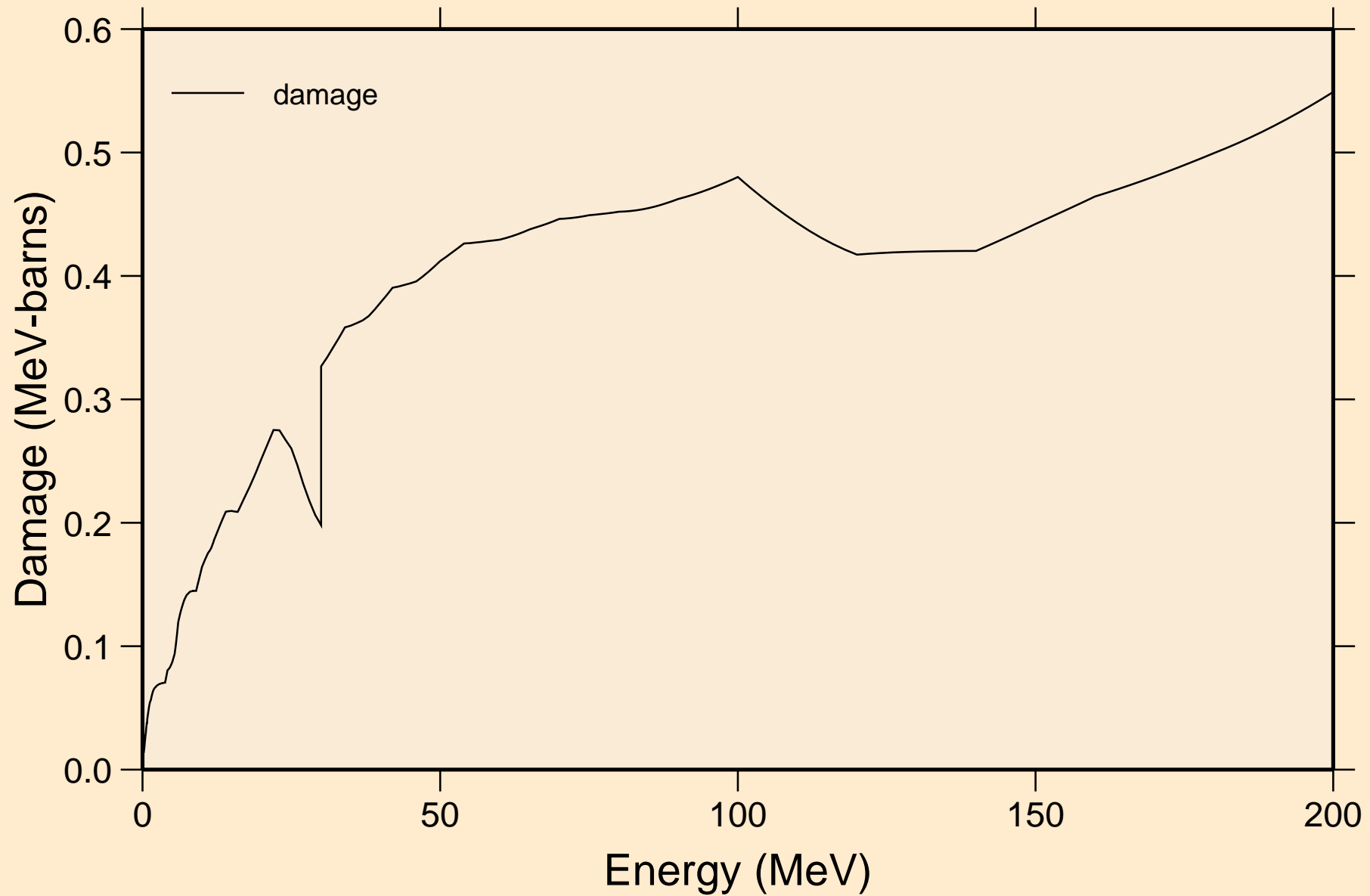


SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

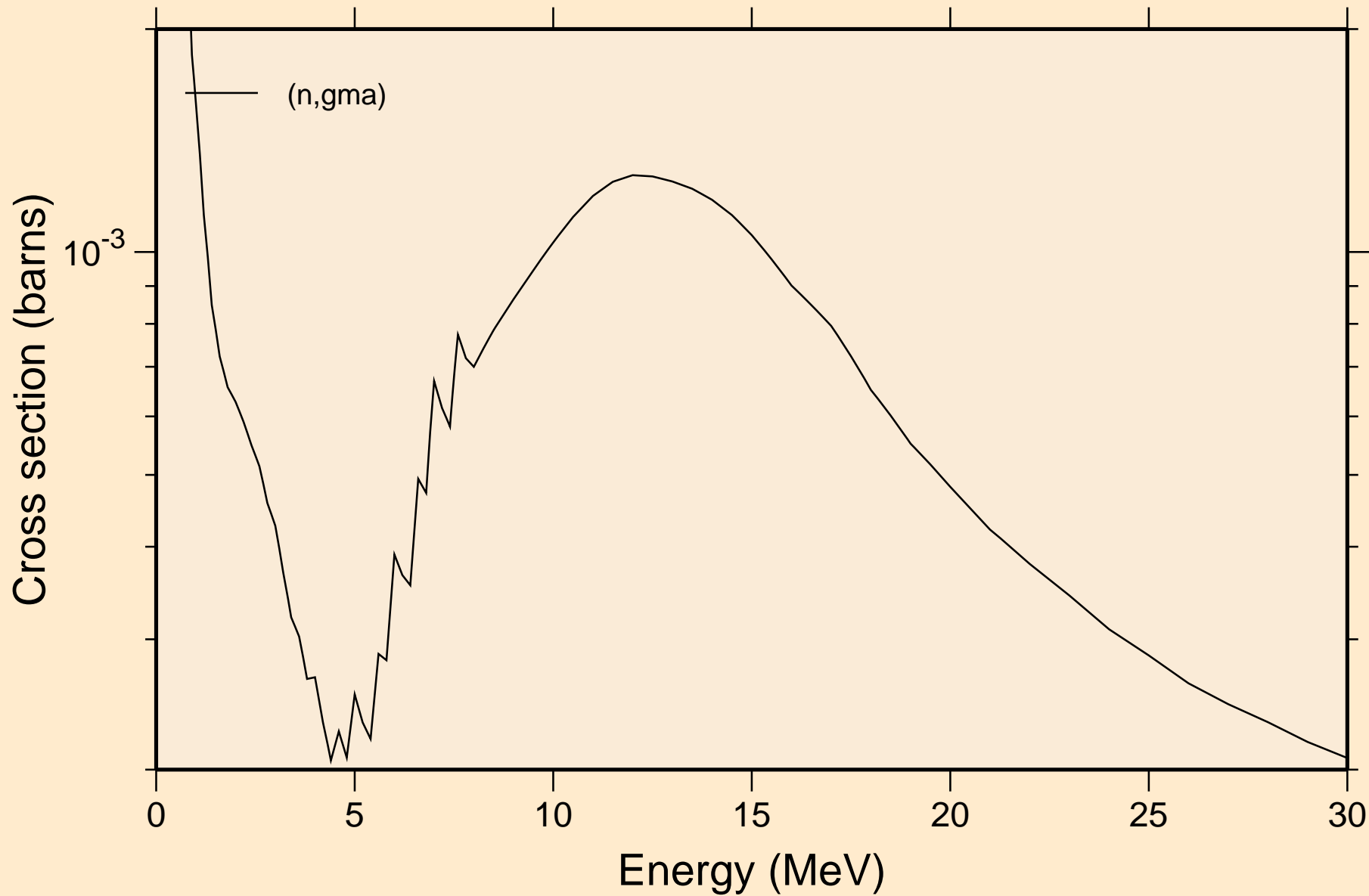


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

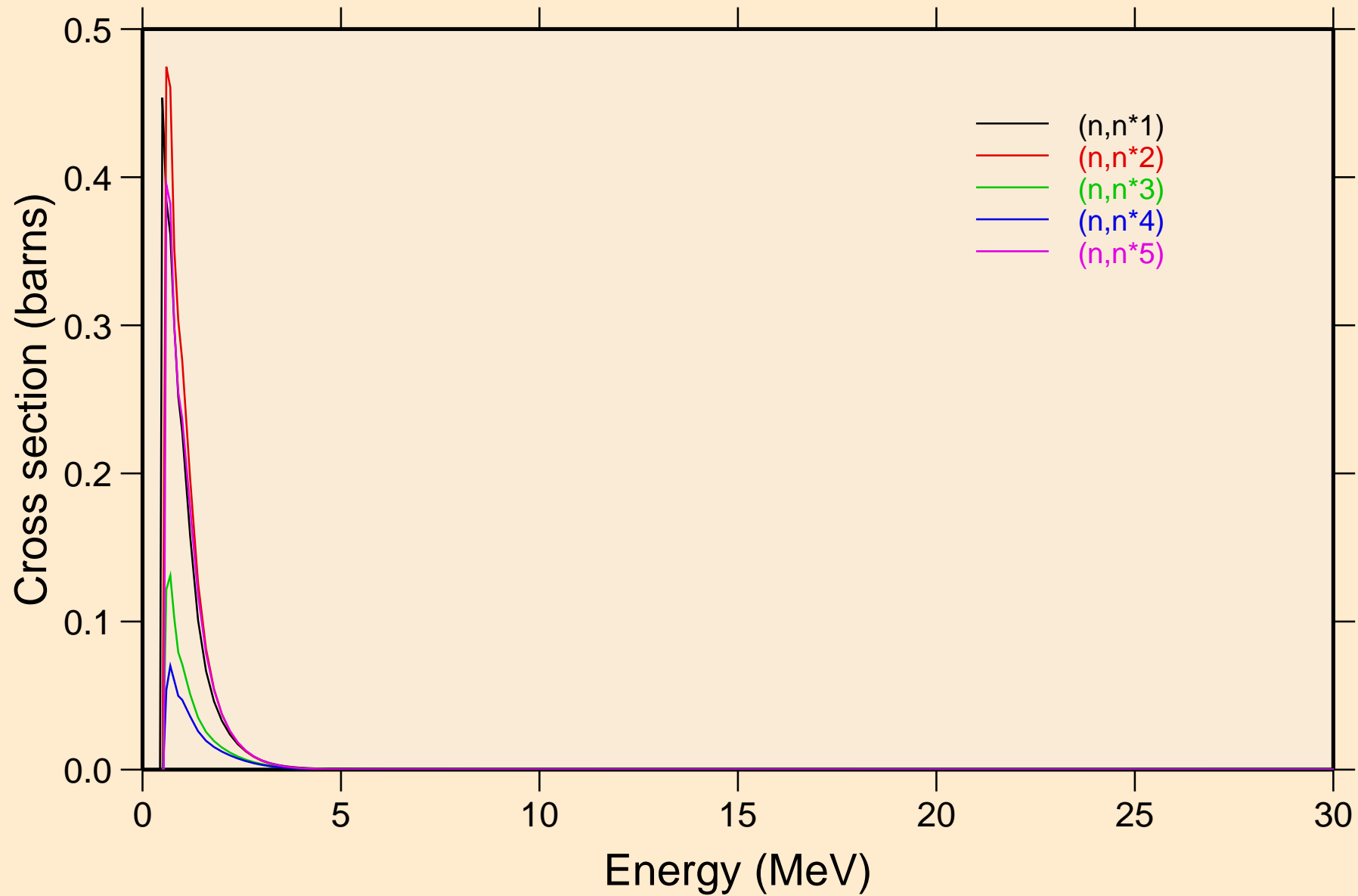
## Damage



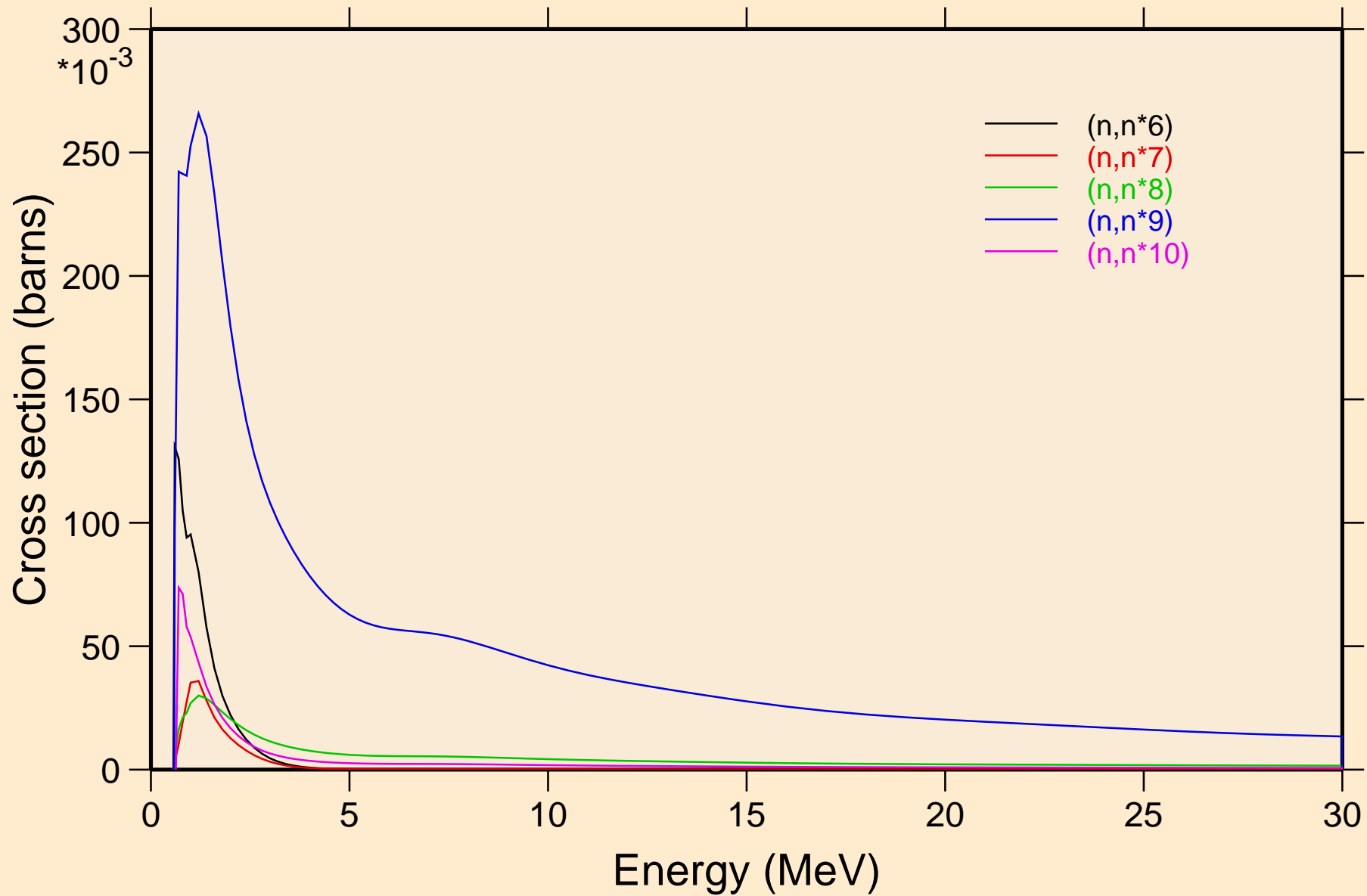
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



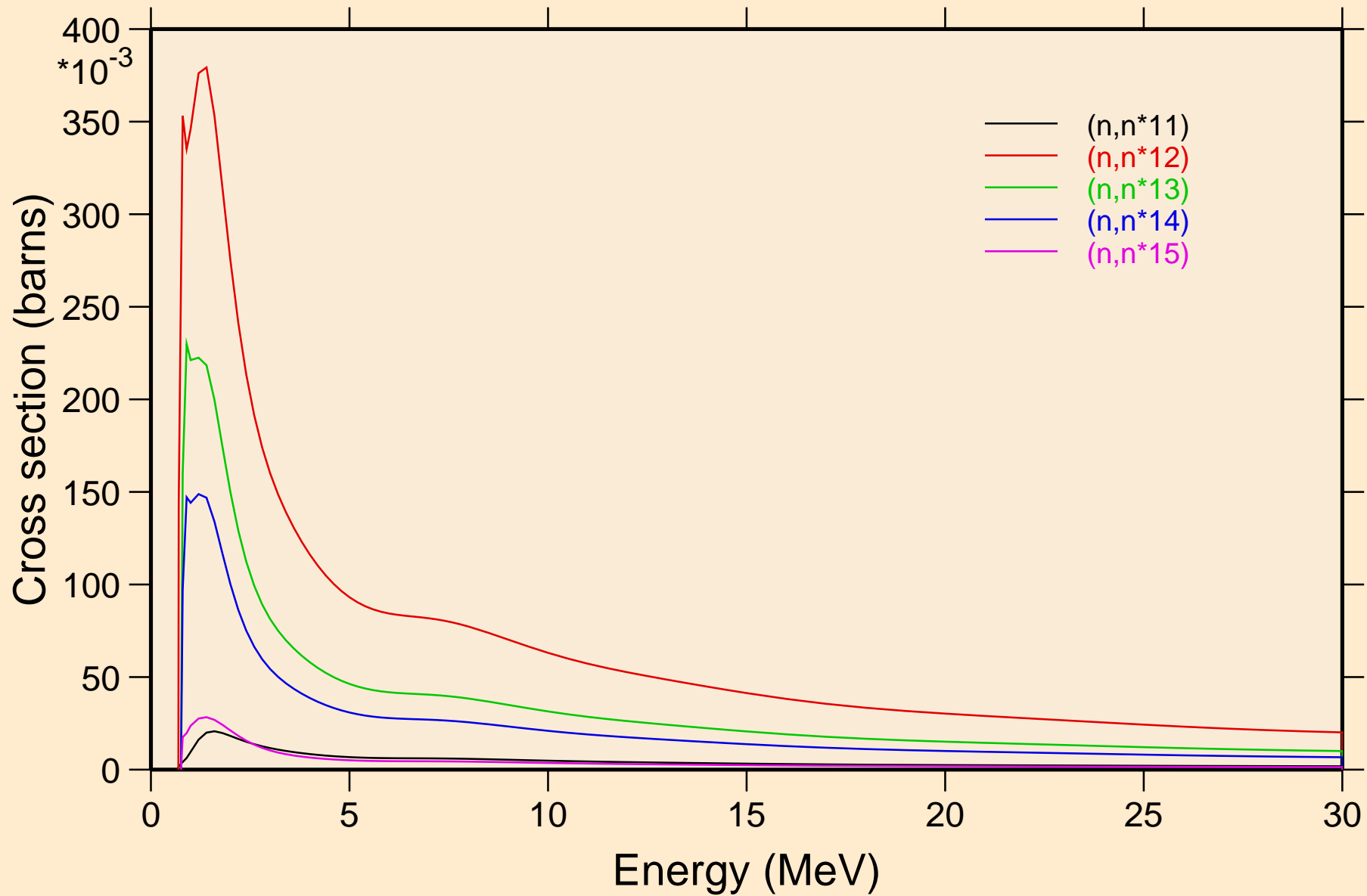
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



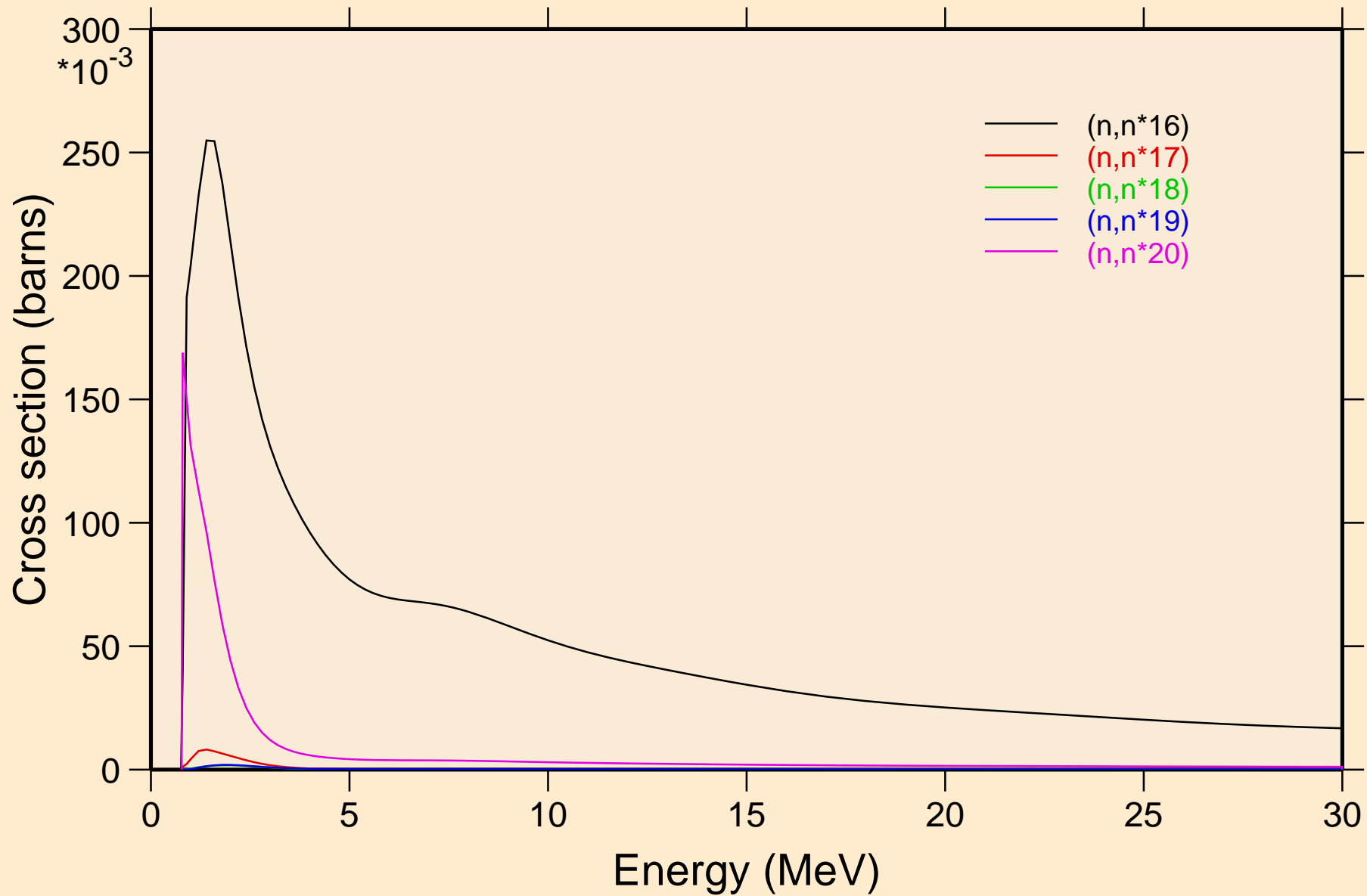
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



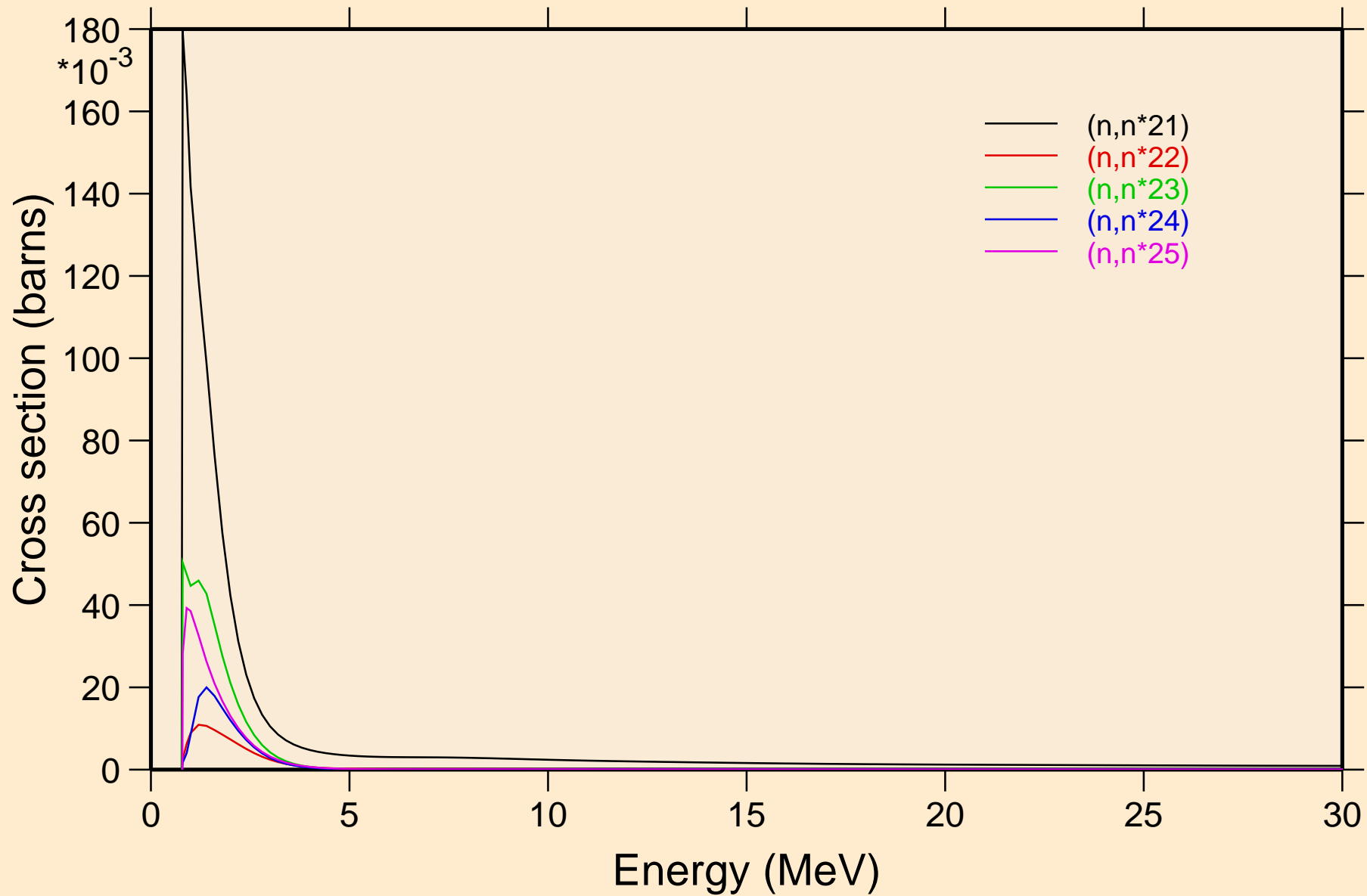
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



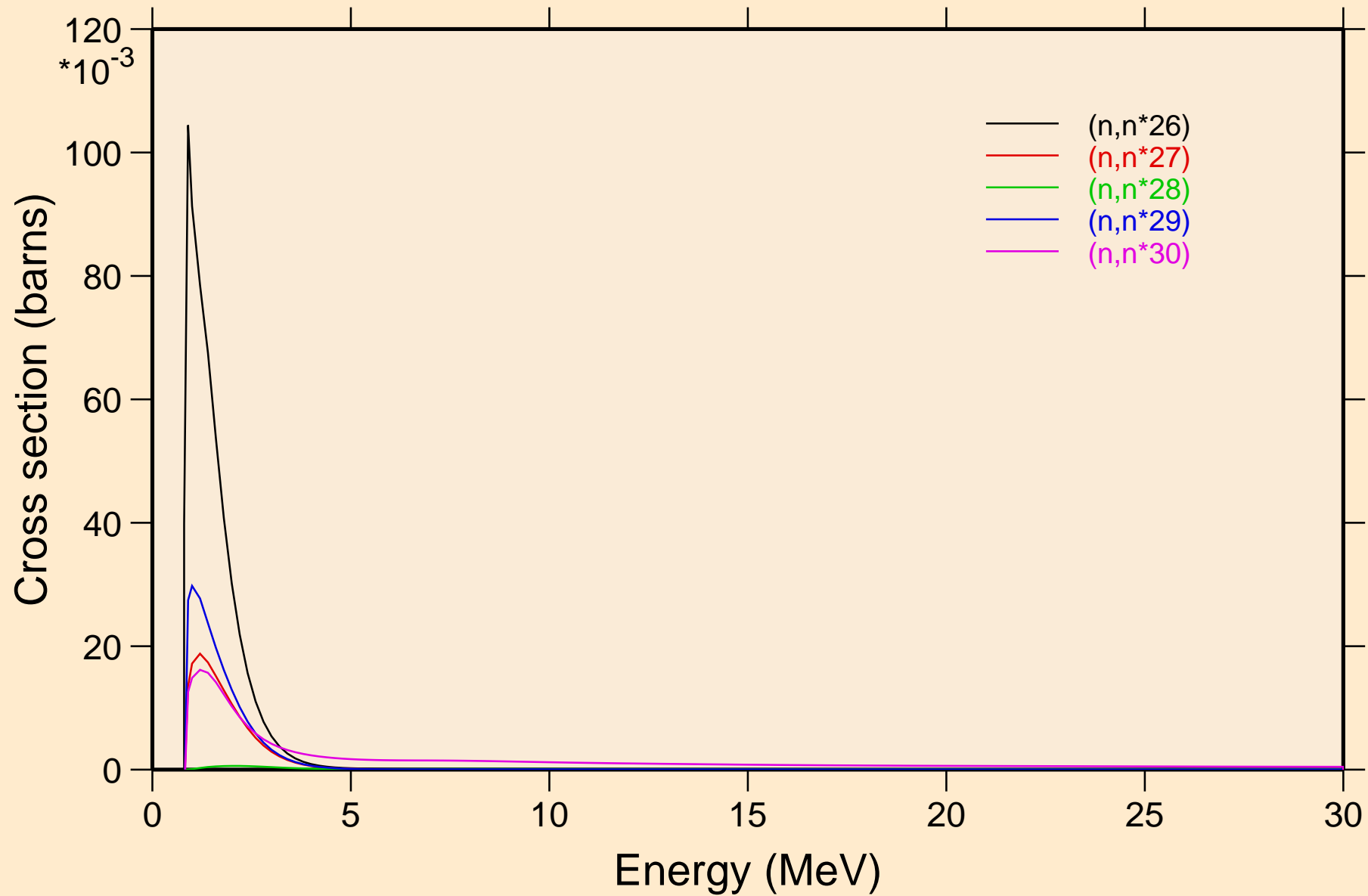
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

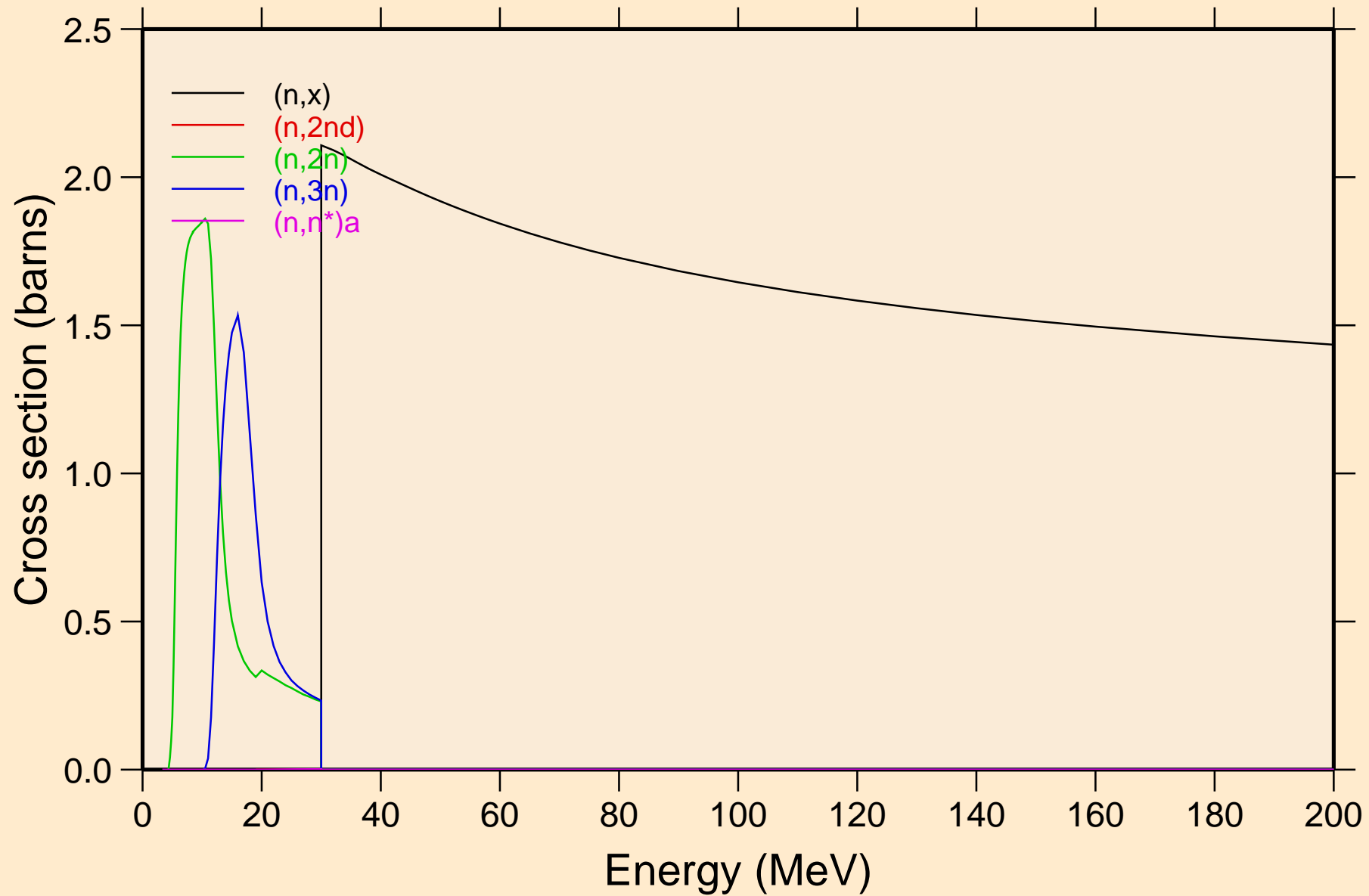


SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

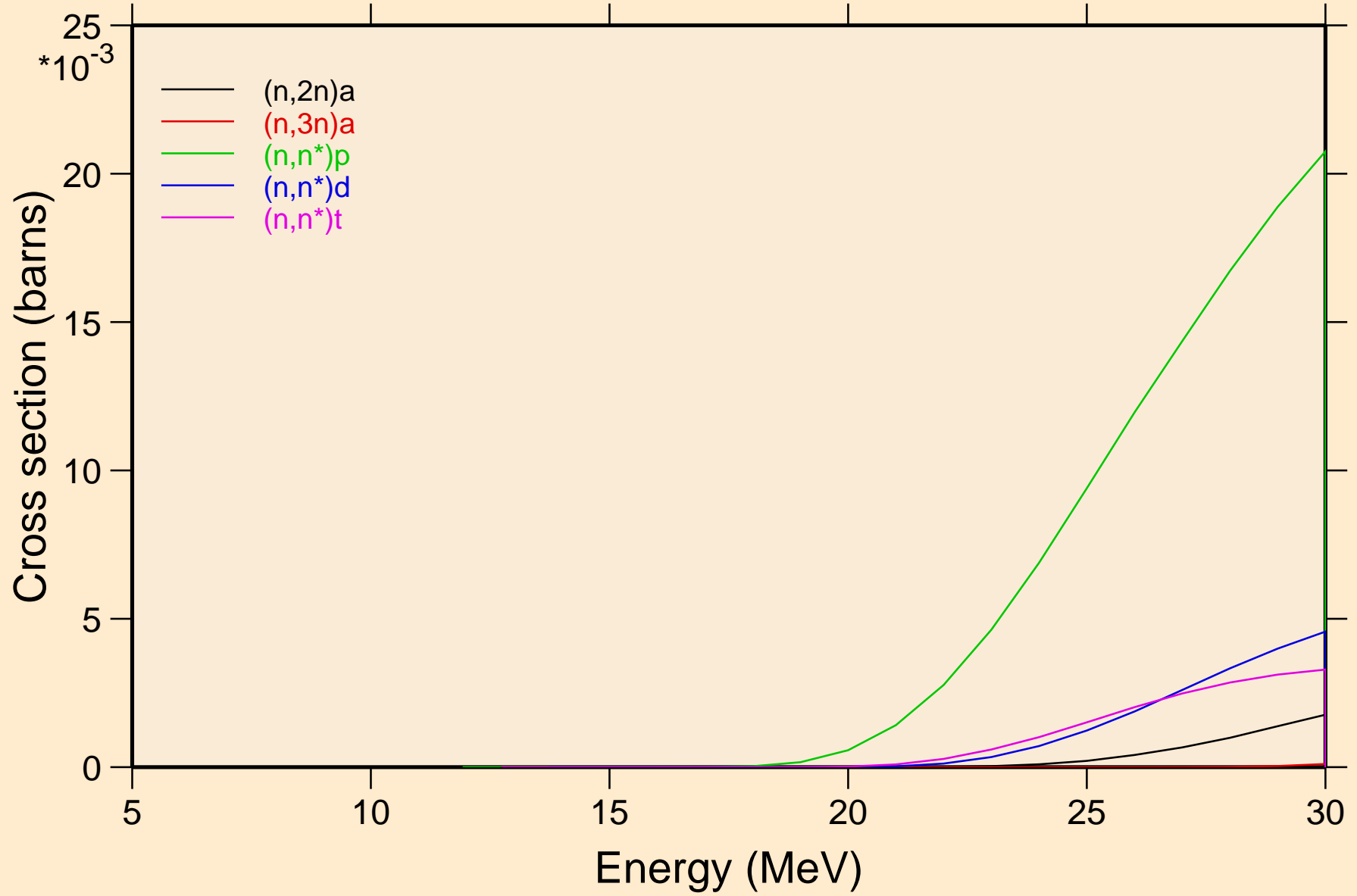


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

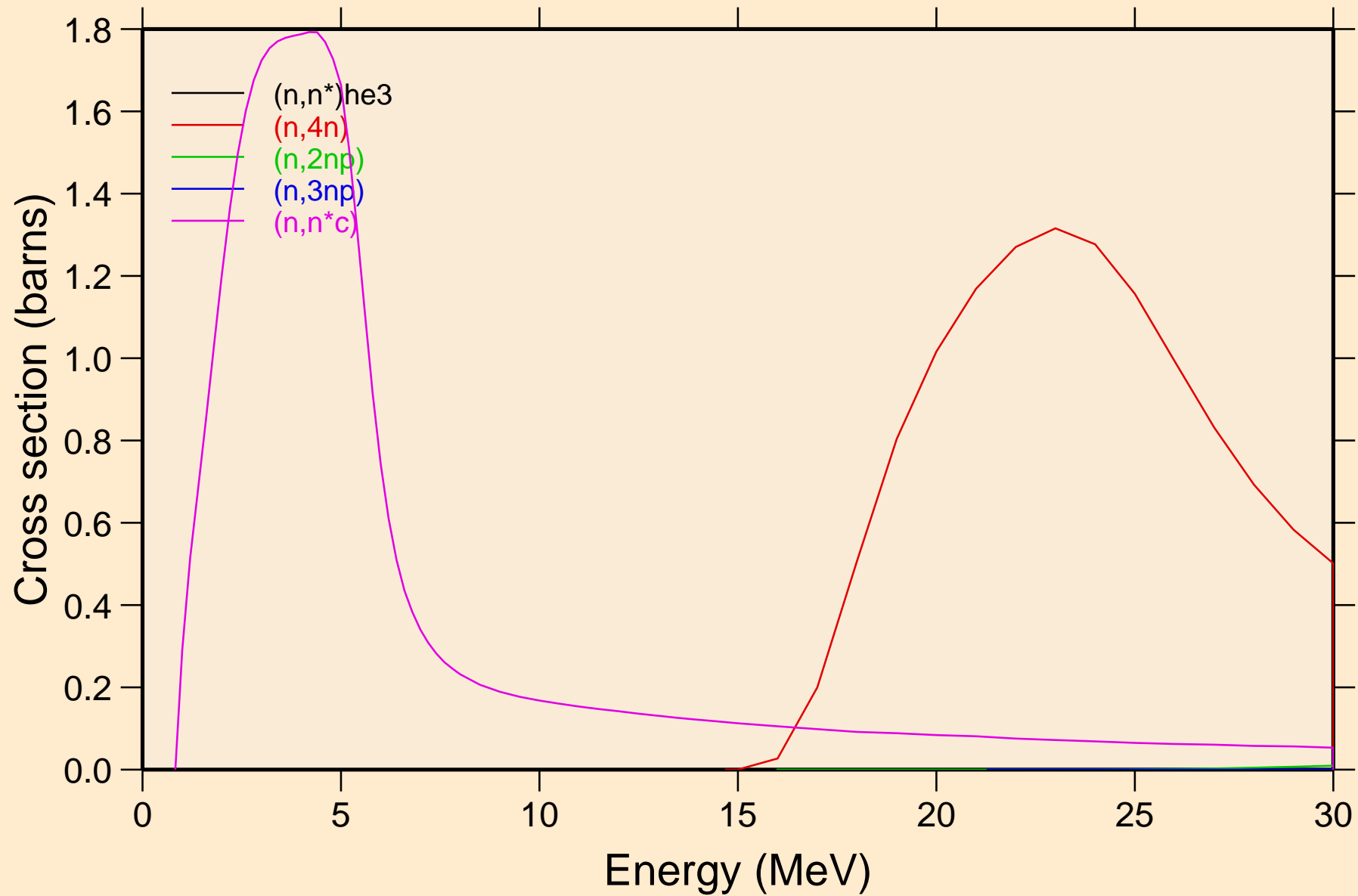
## Threshold reactions



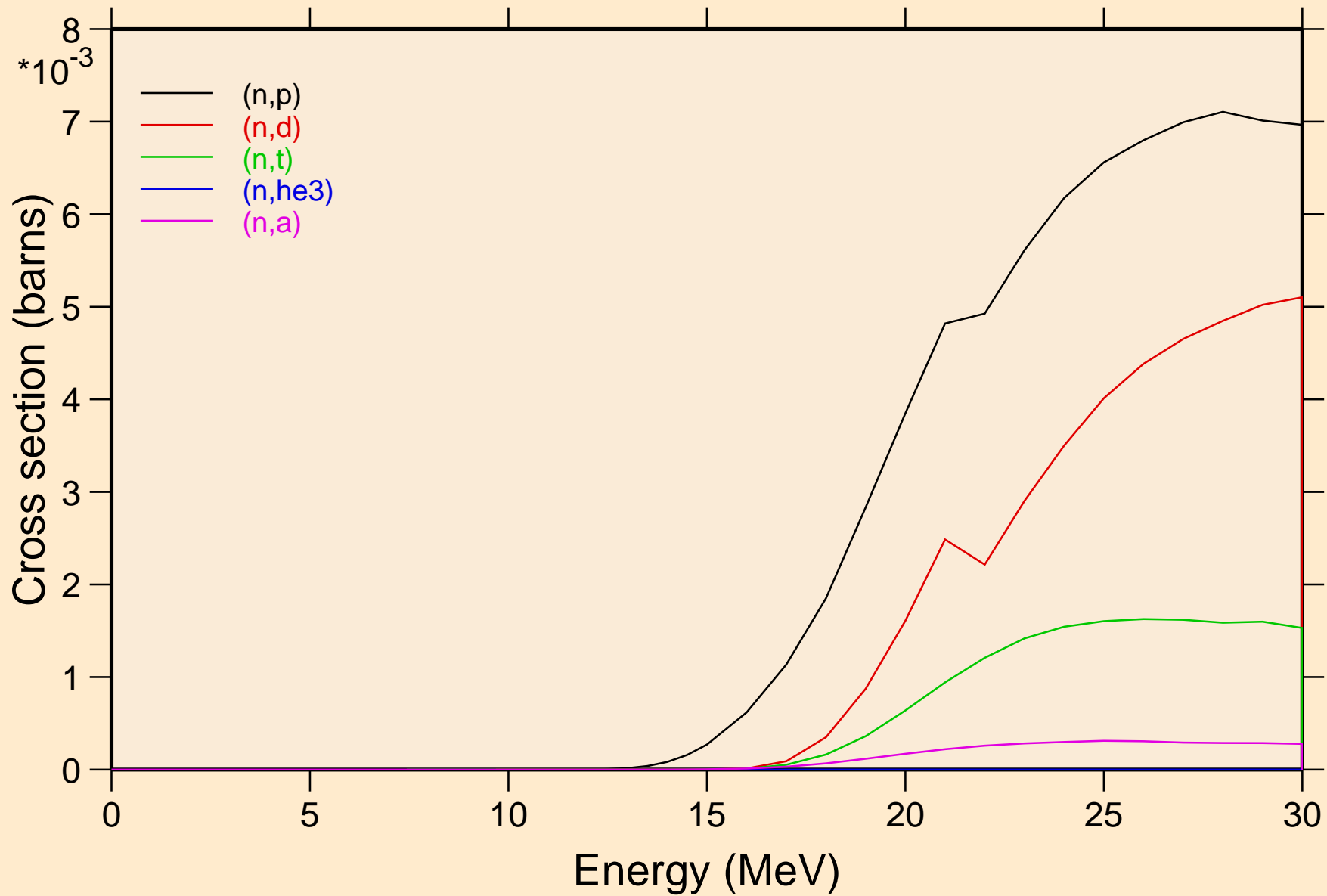
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

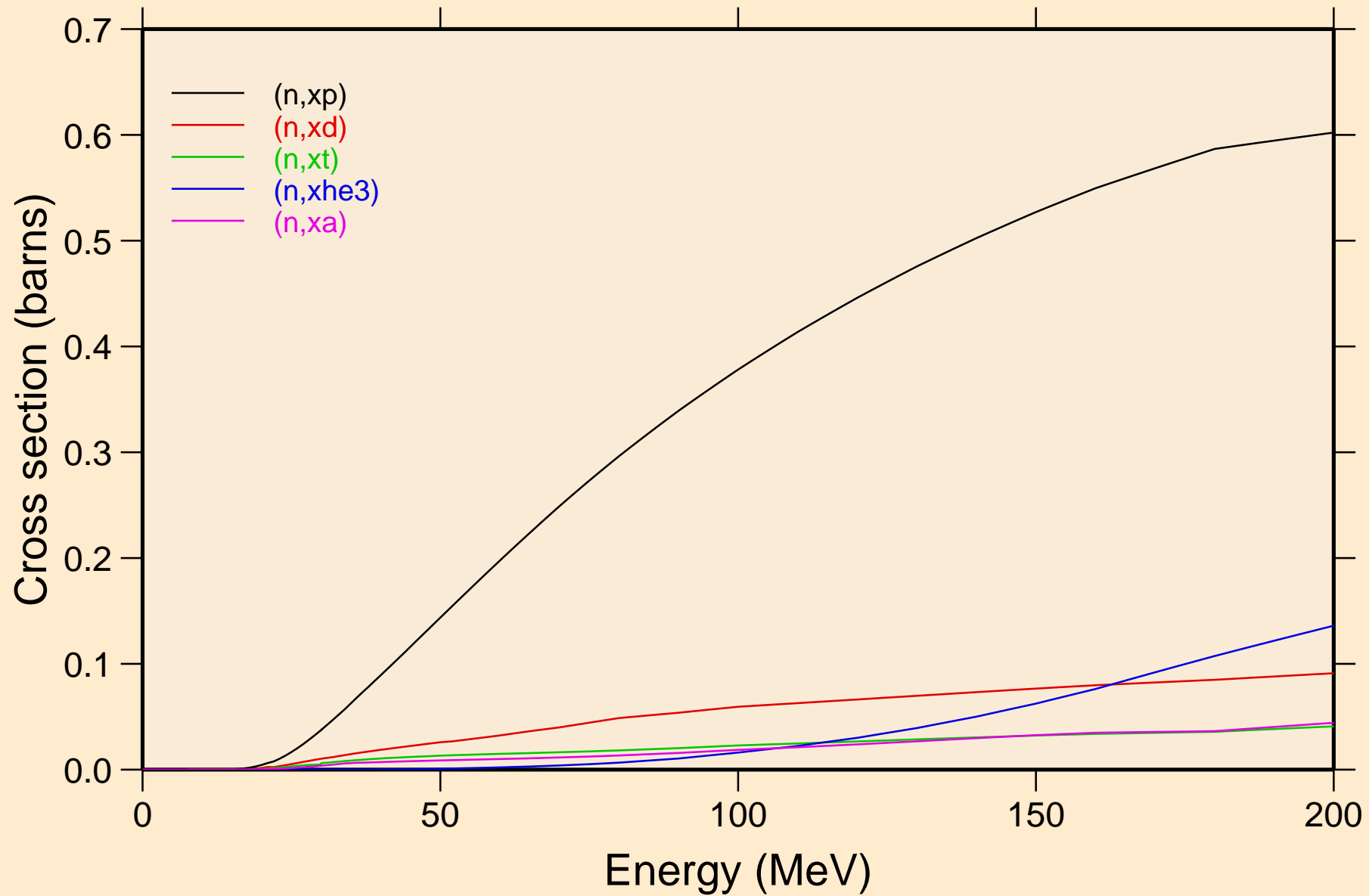


SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

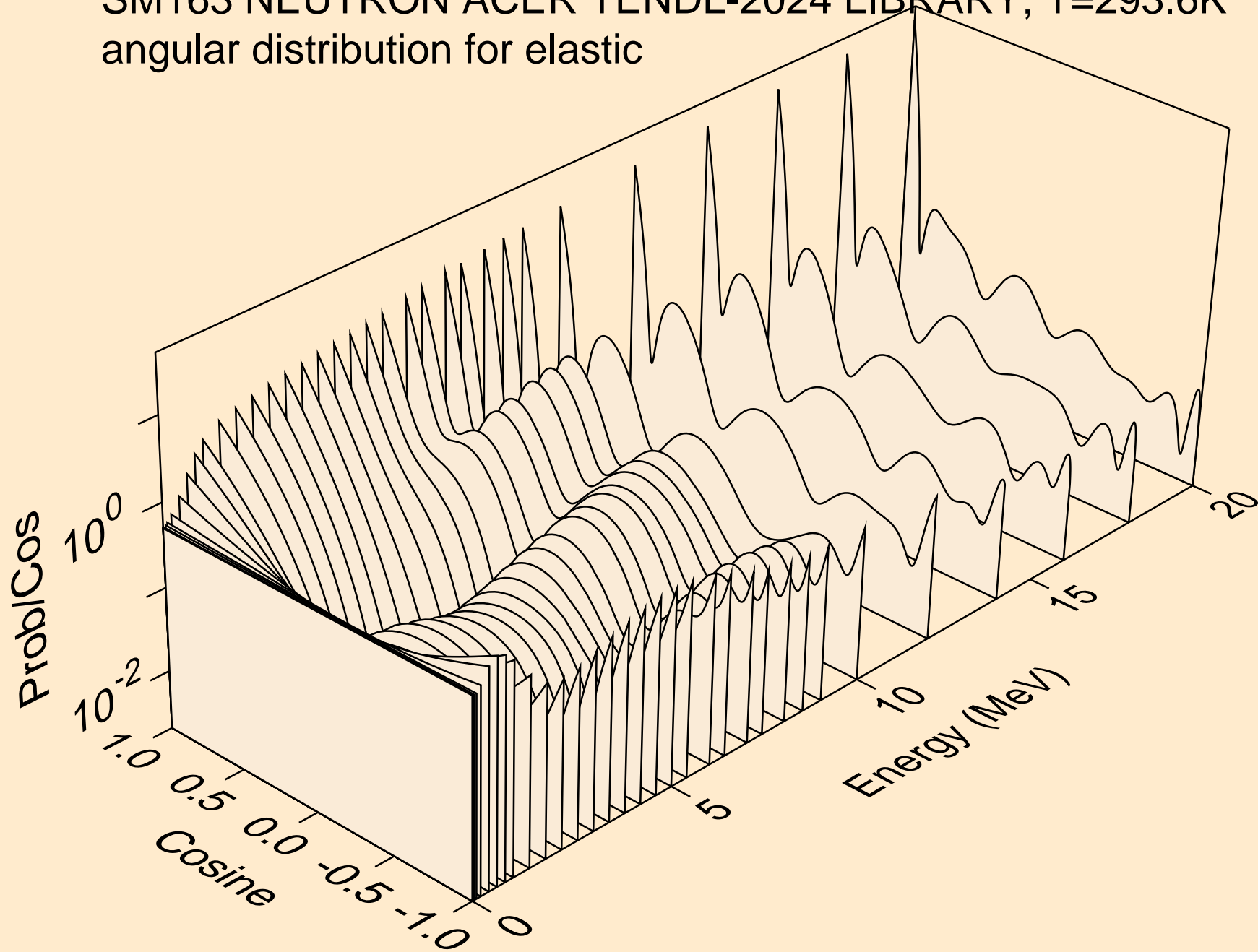


# SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

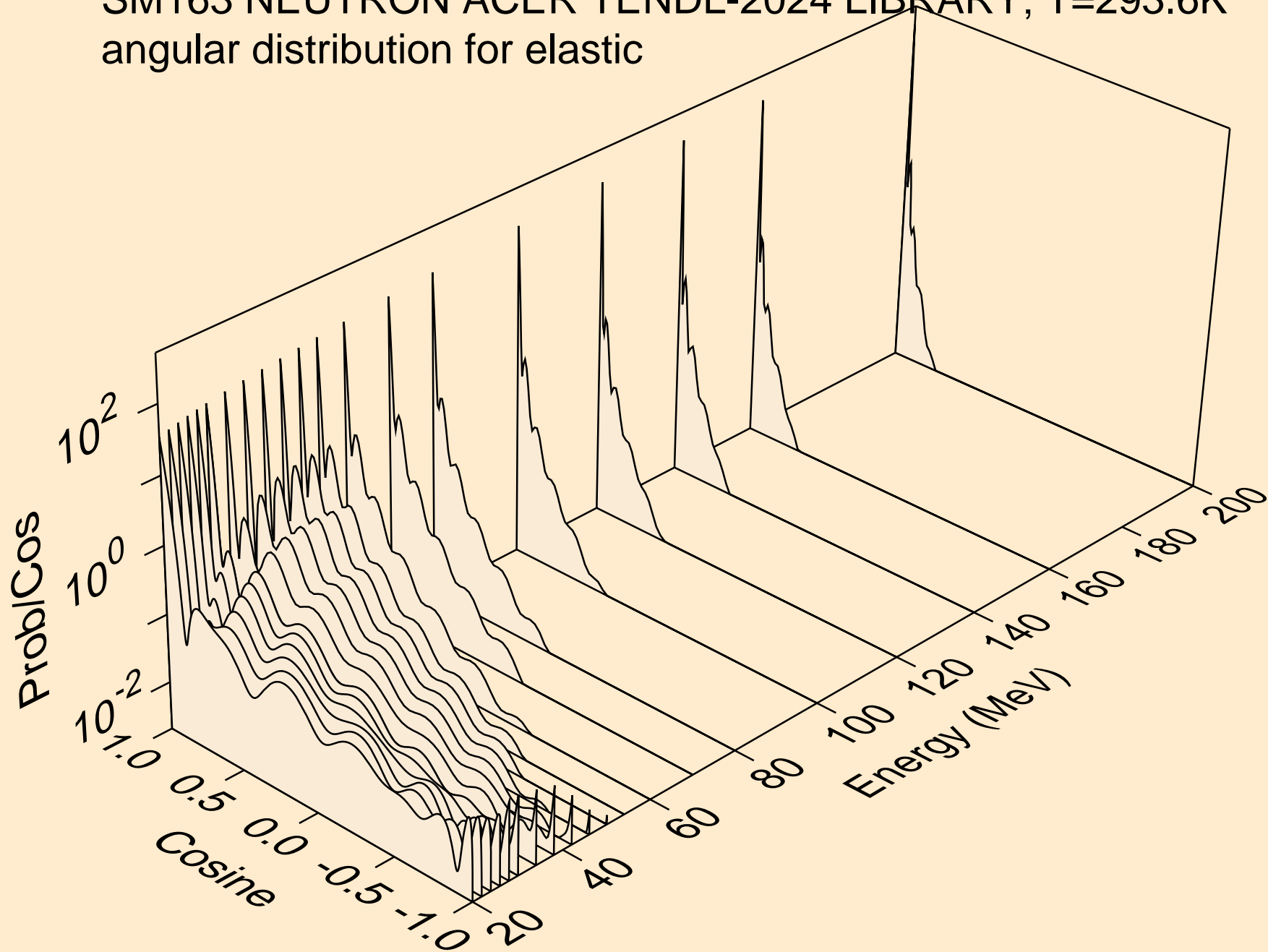
## Threshold reactions



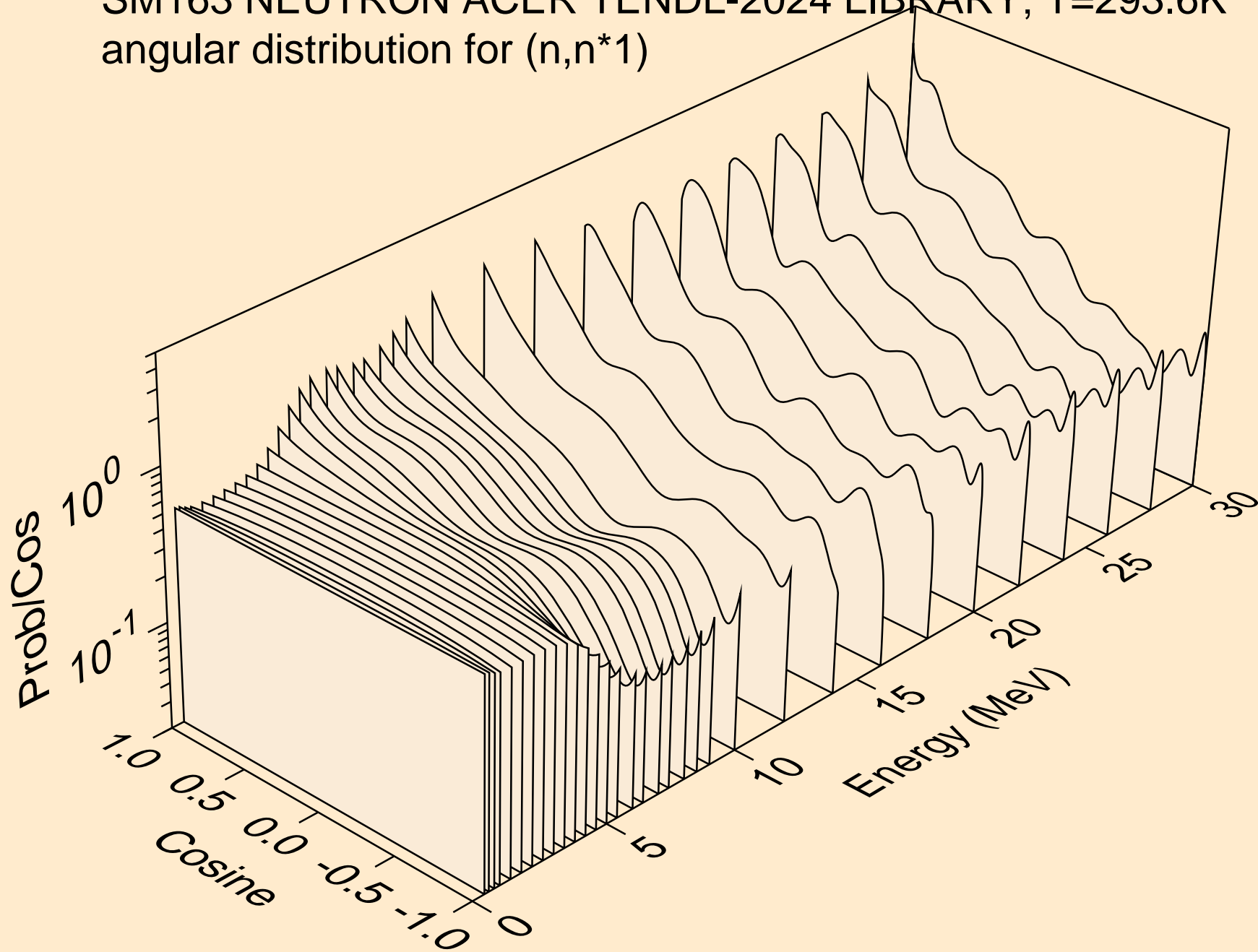
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



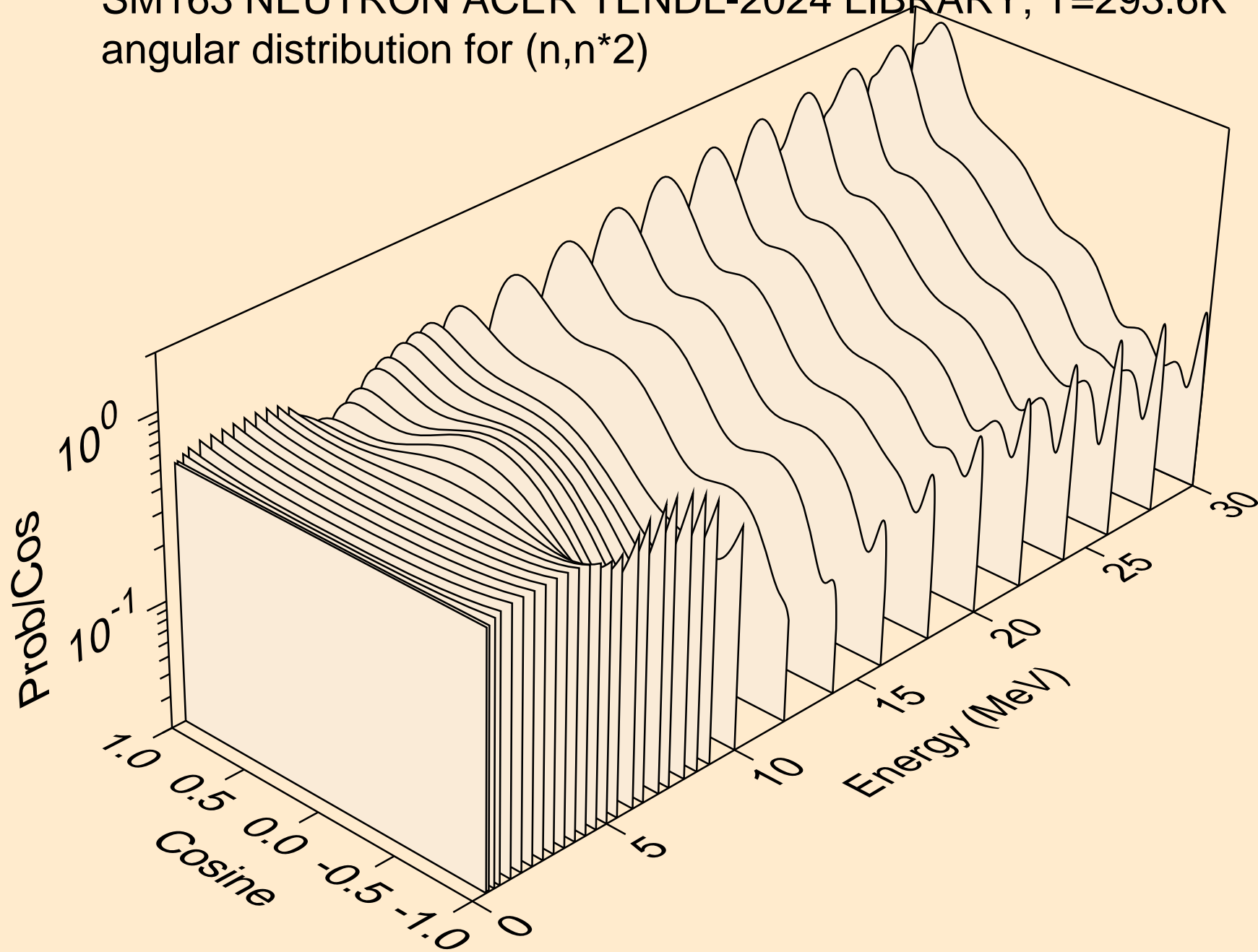
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



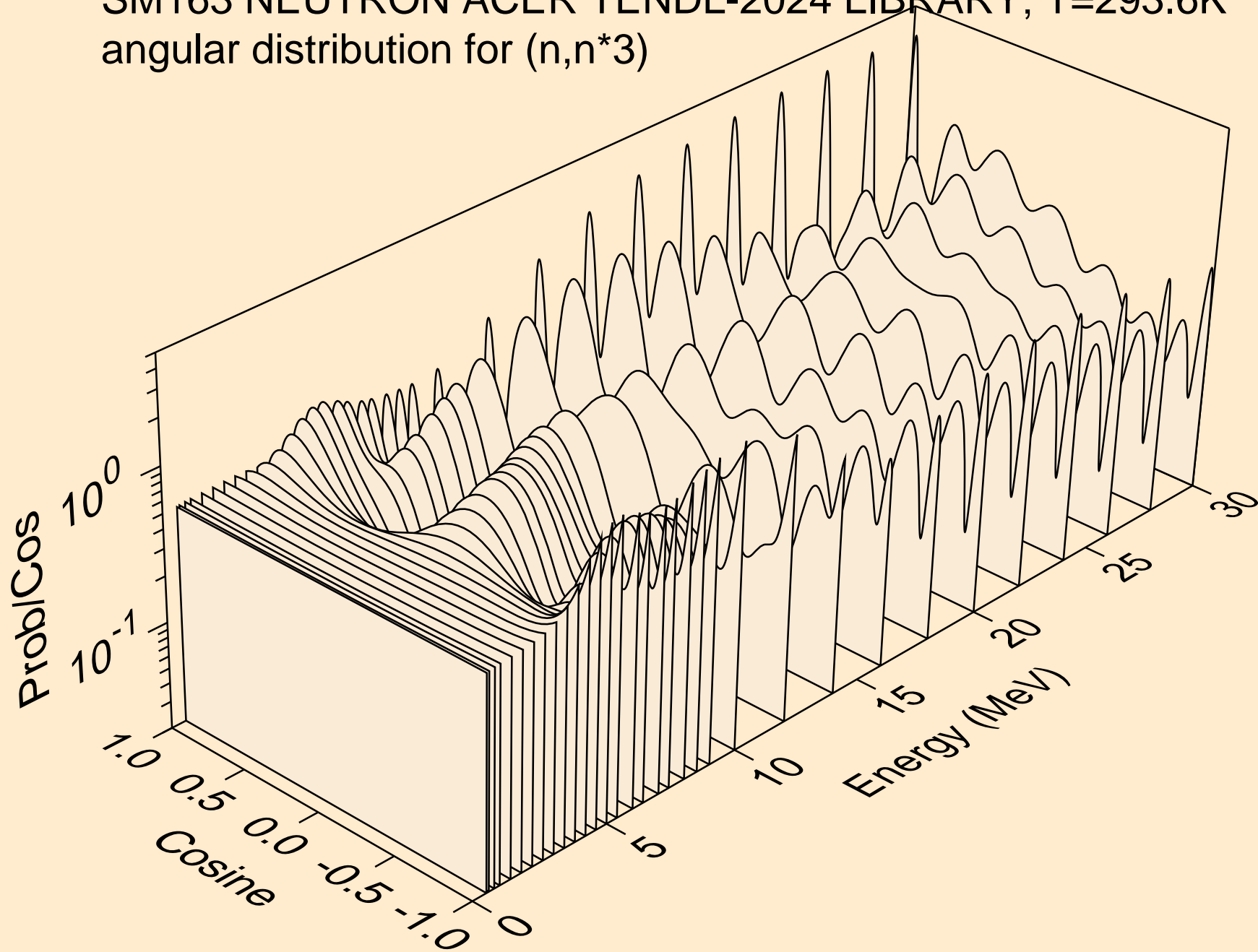
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



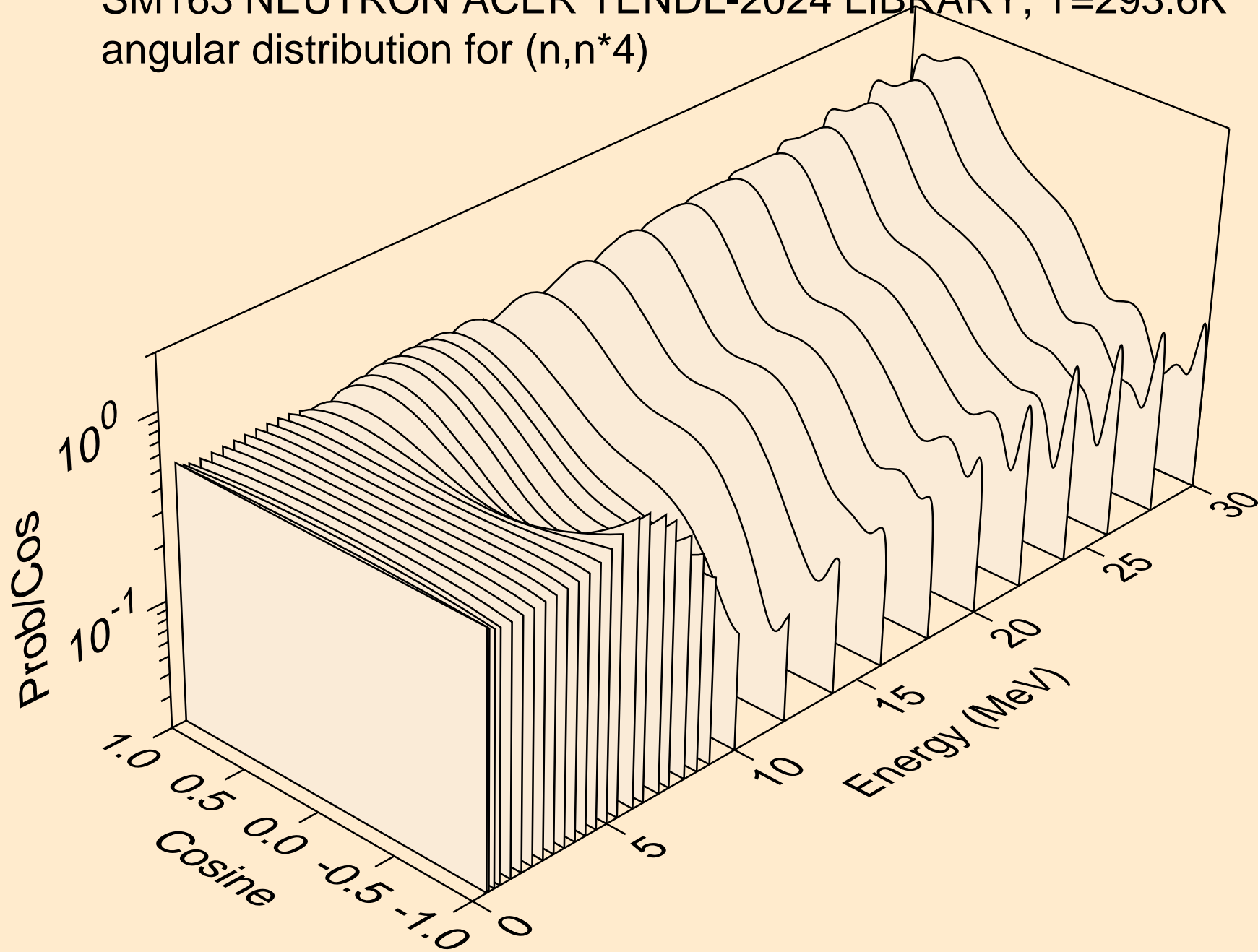
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



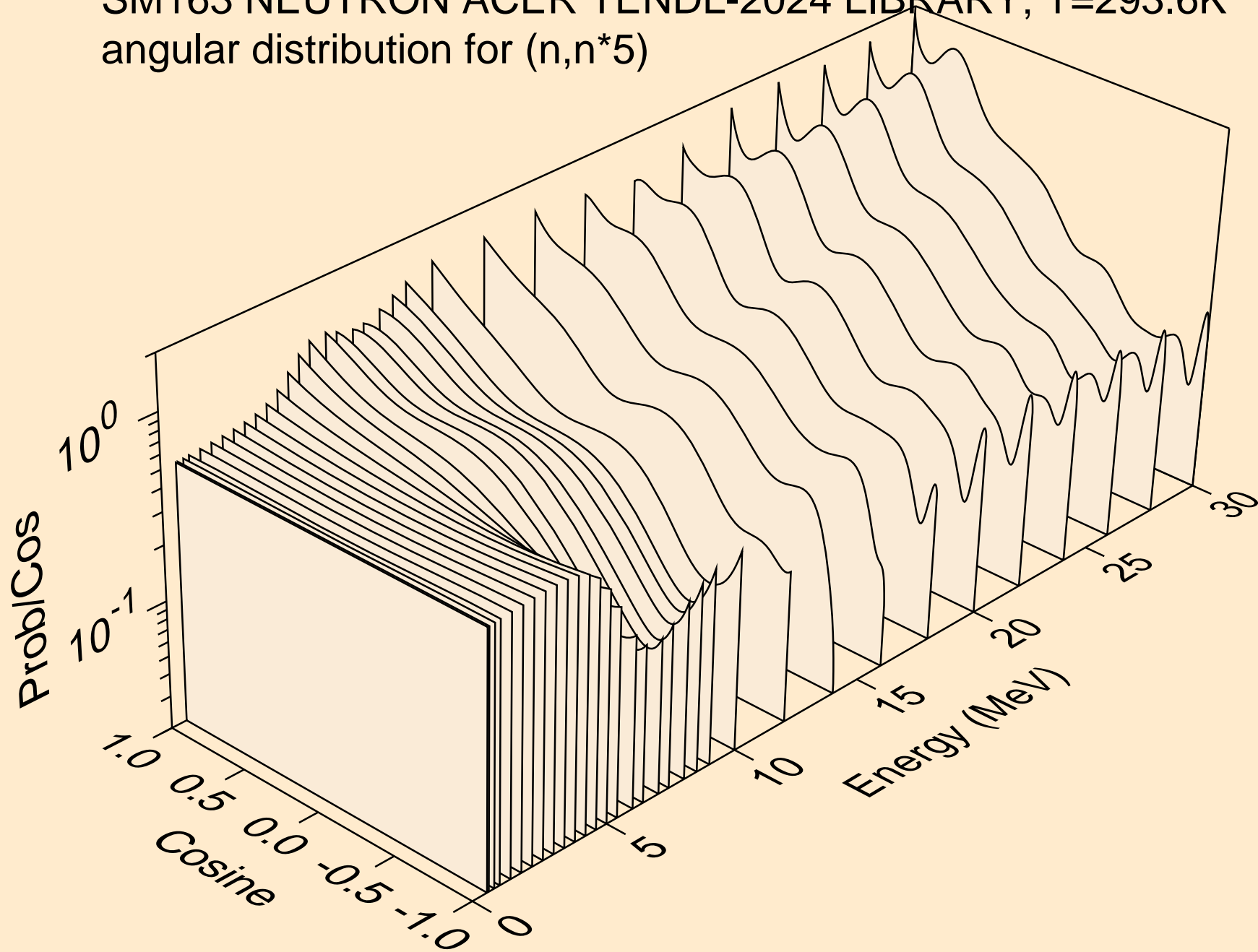
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



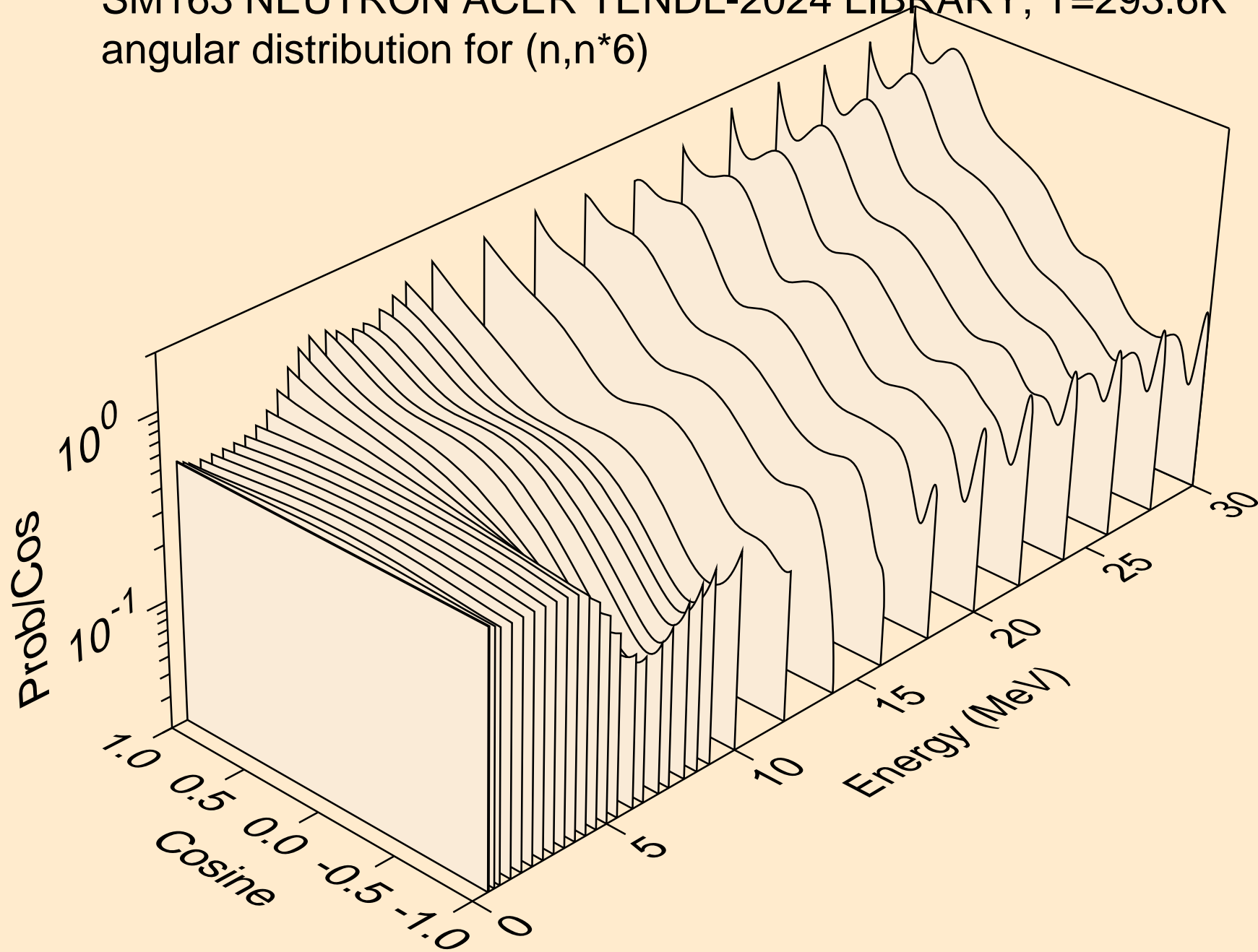
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



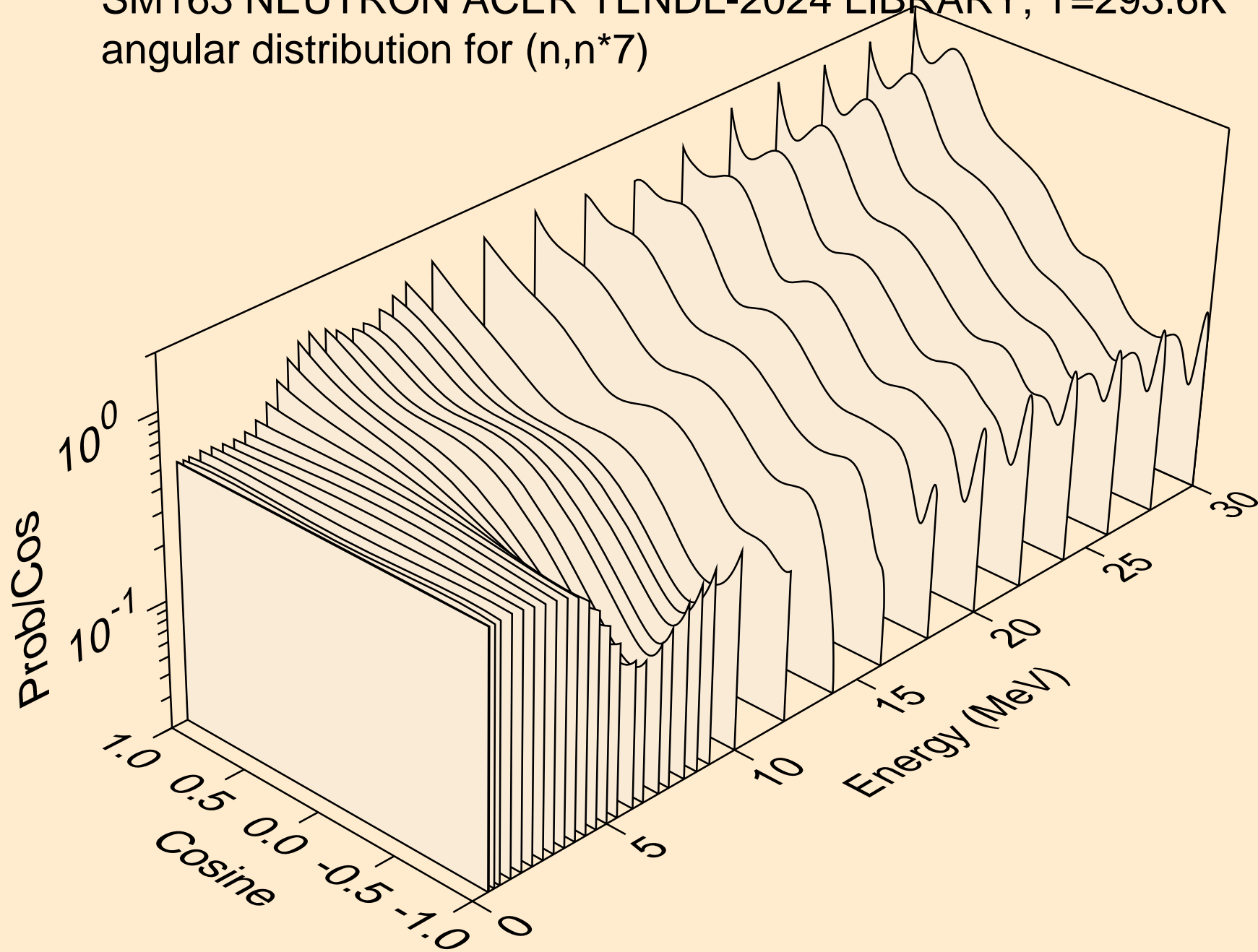
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



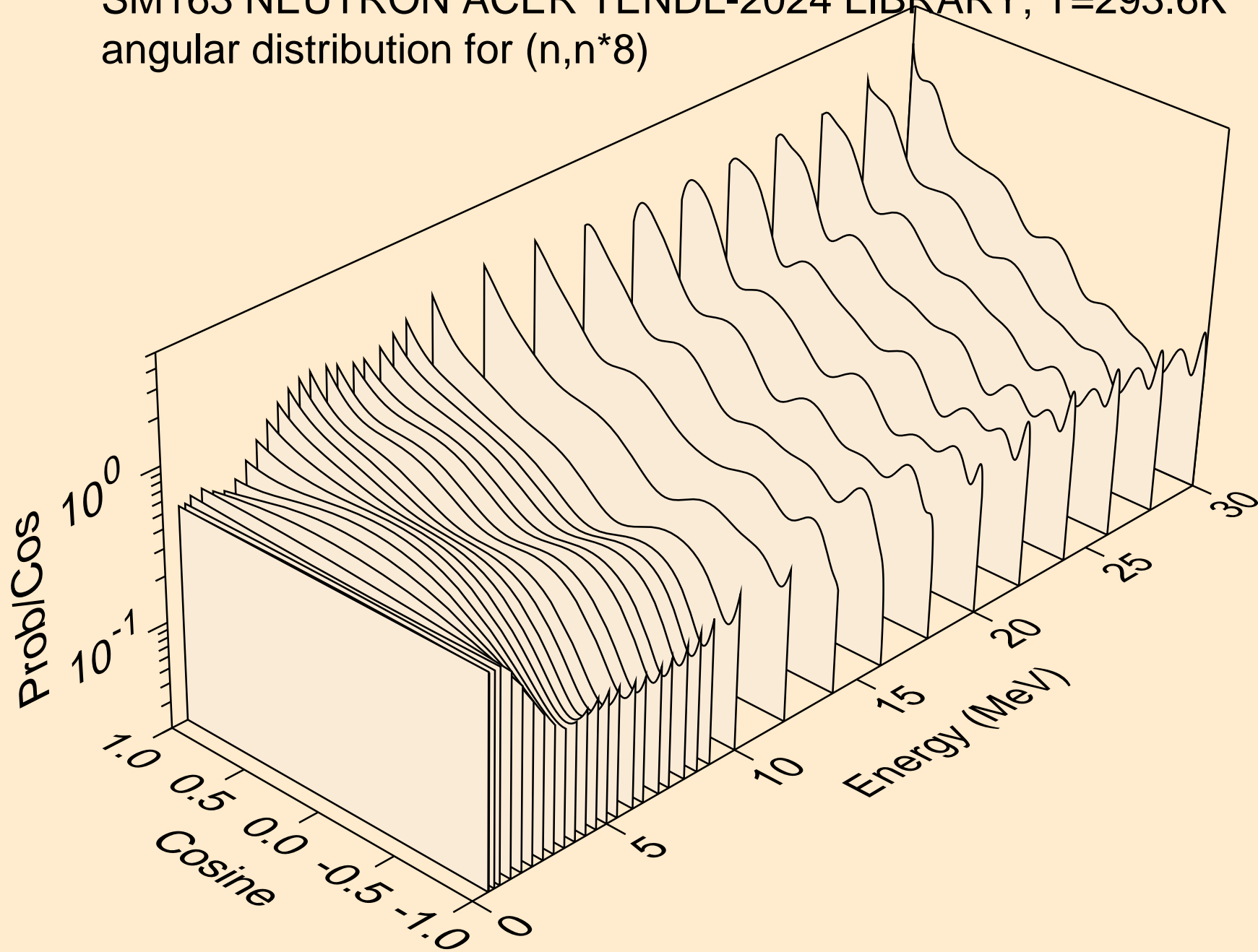
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



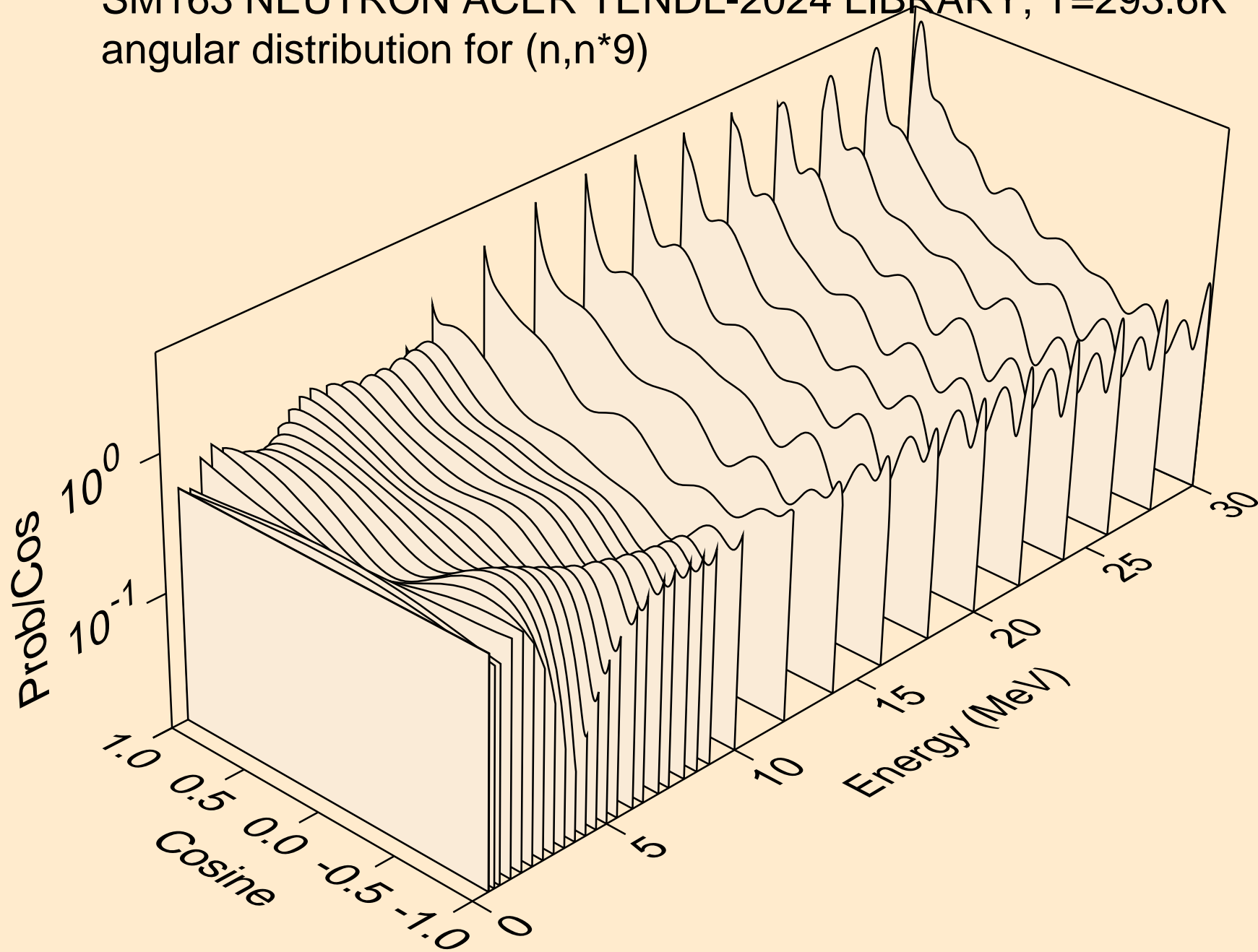
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



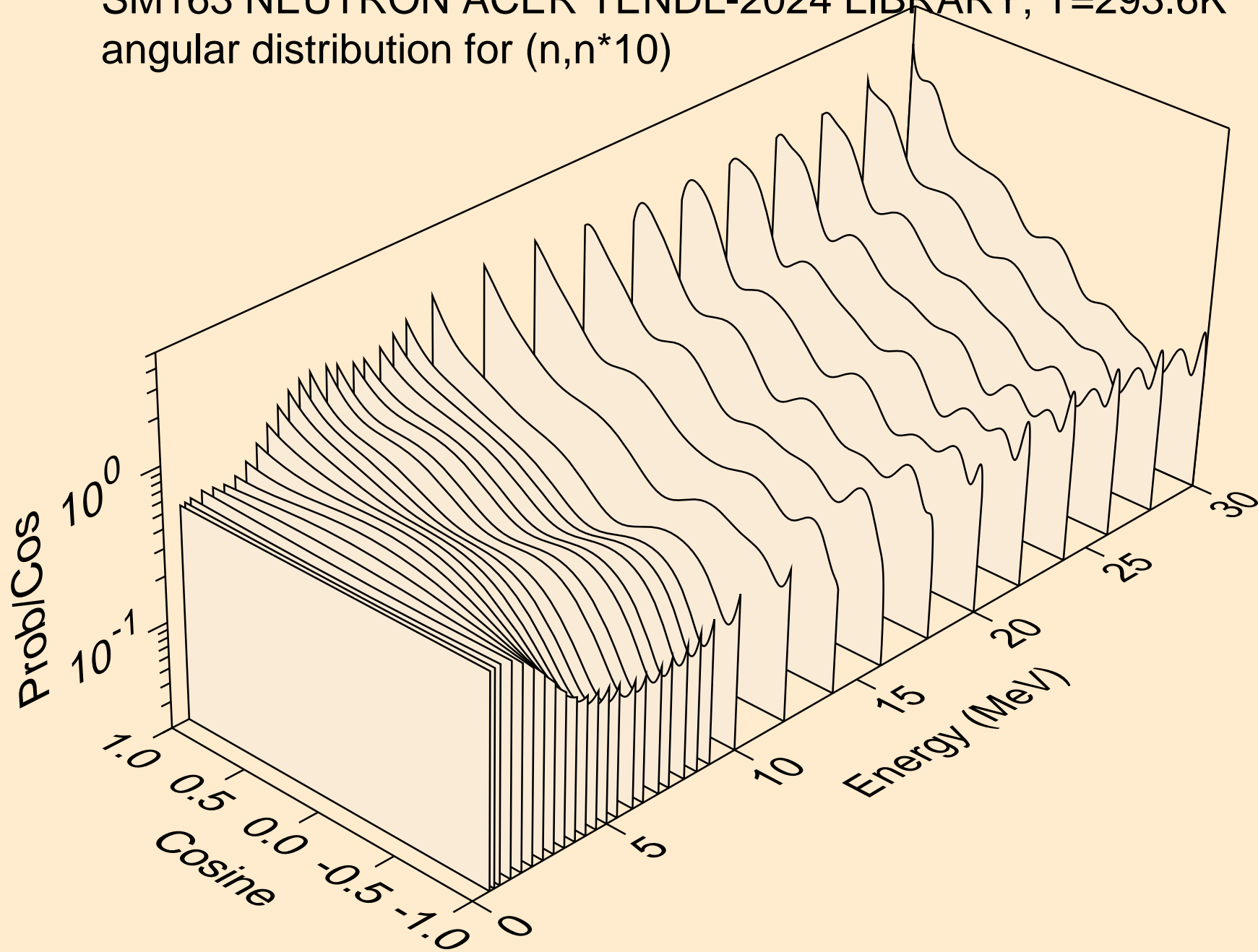
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



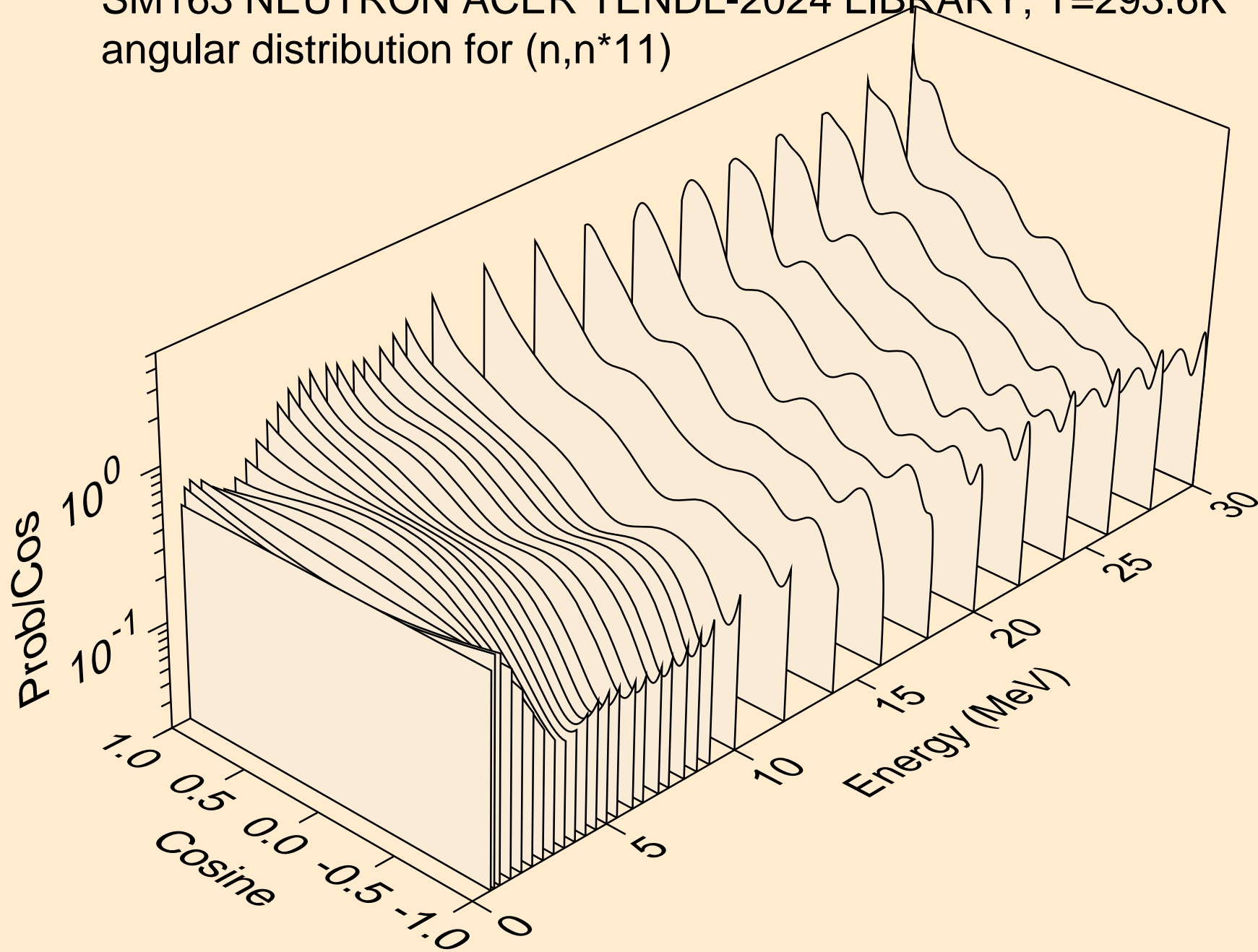
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



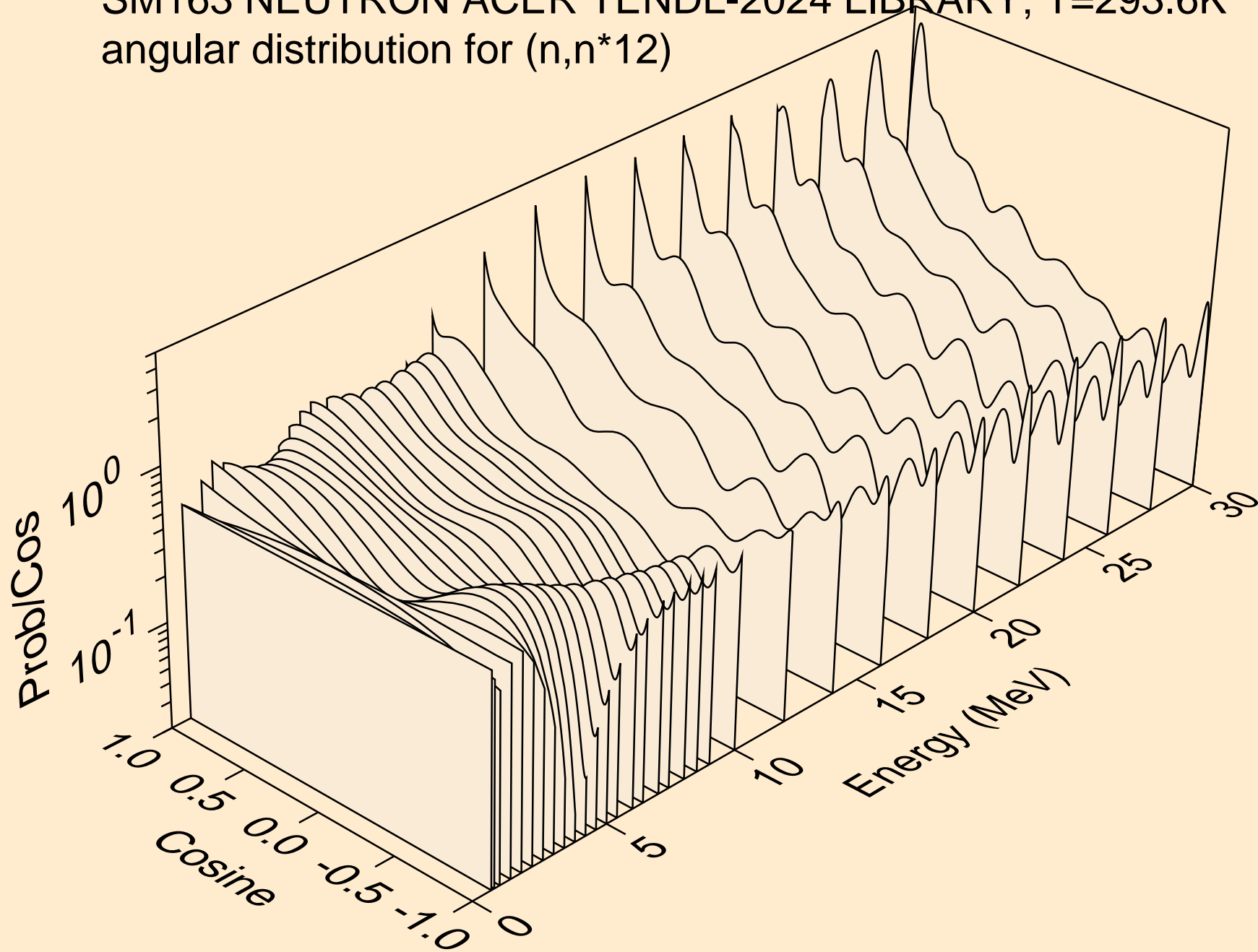
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



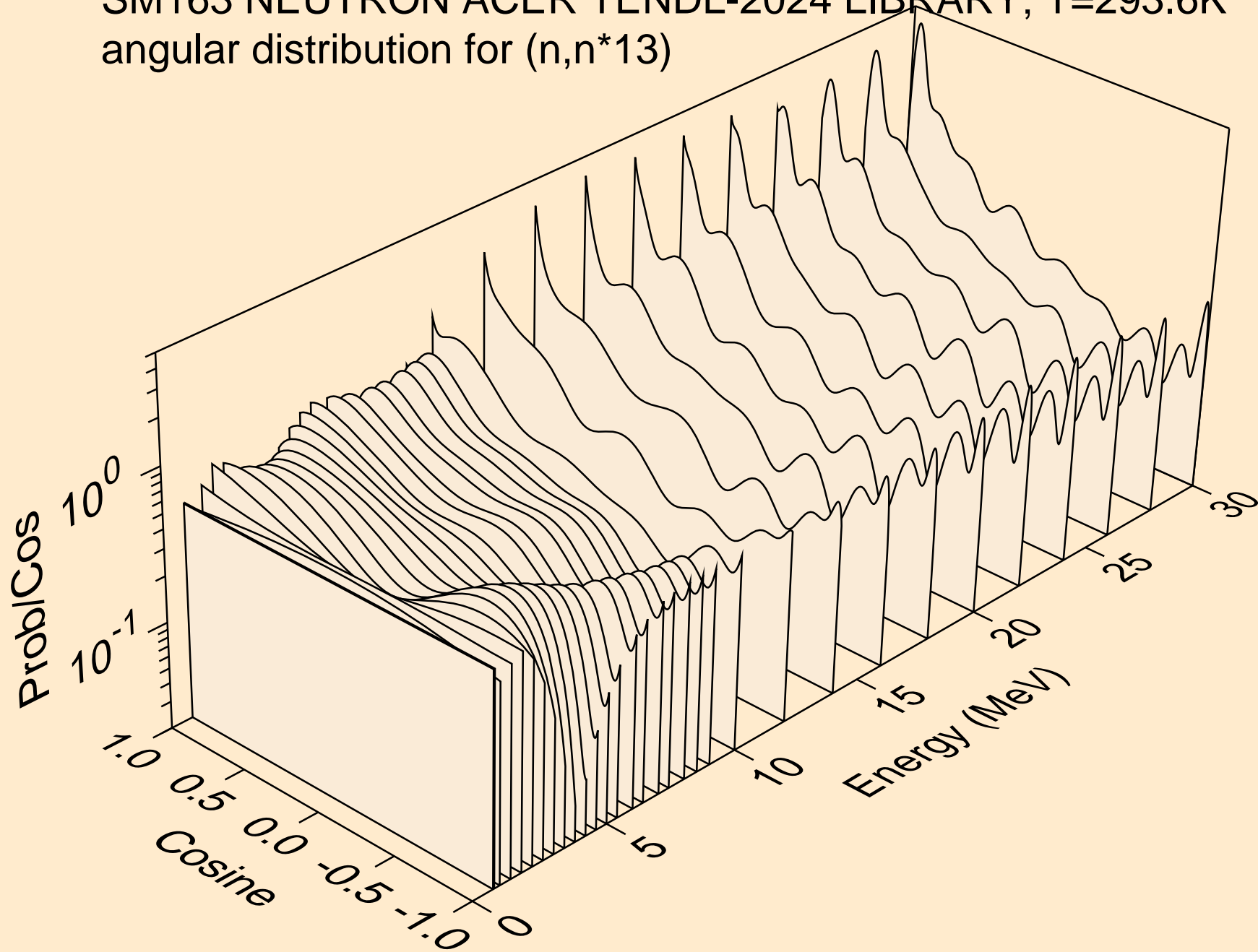
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



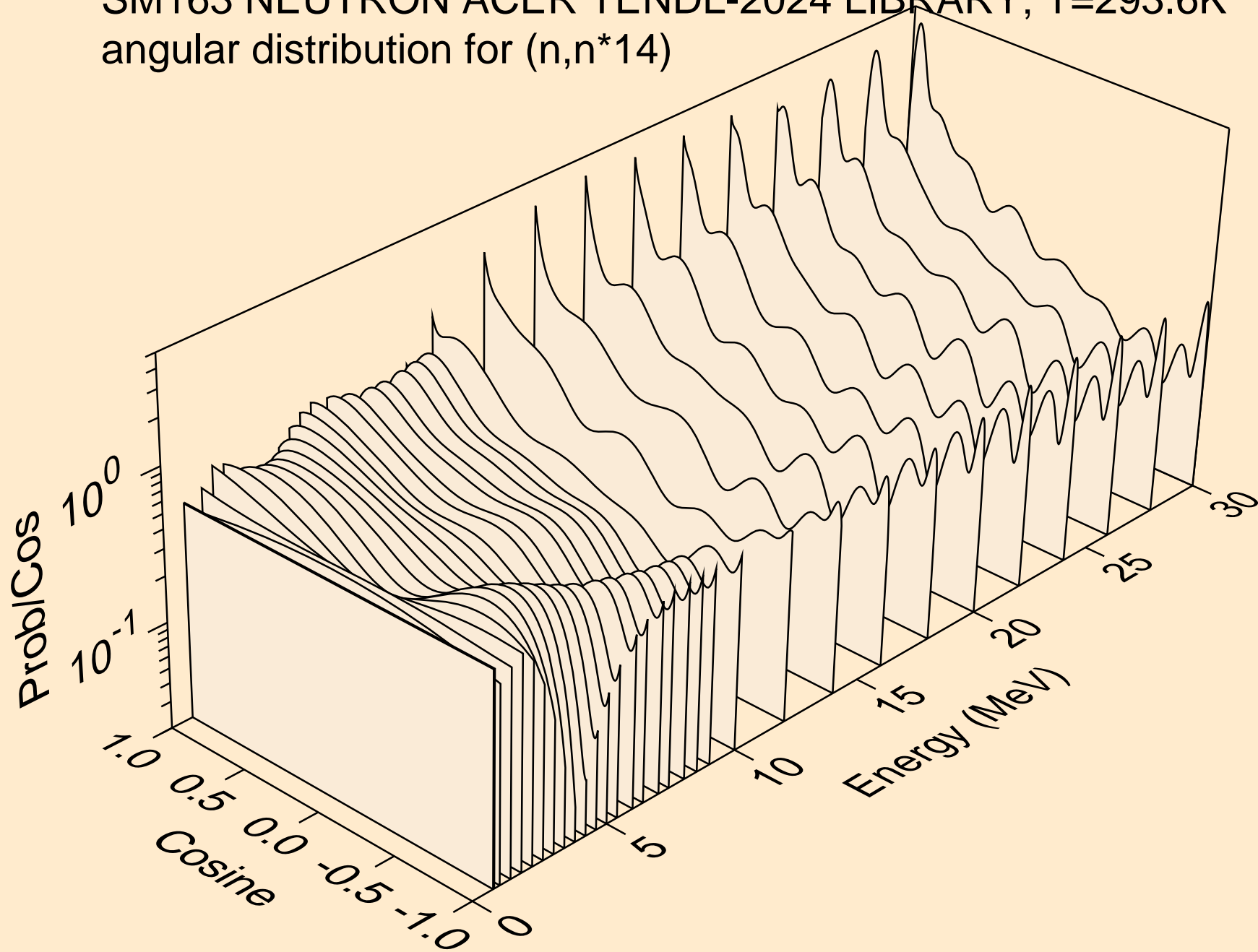
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angular distribution for (n,n\*12)



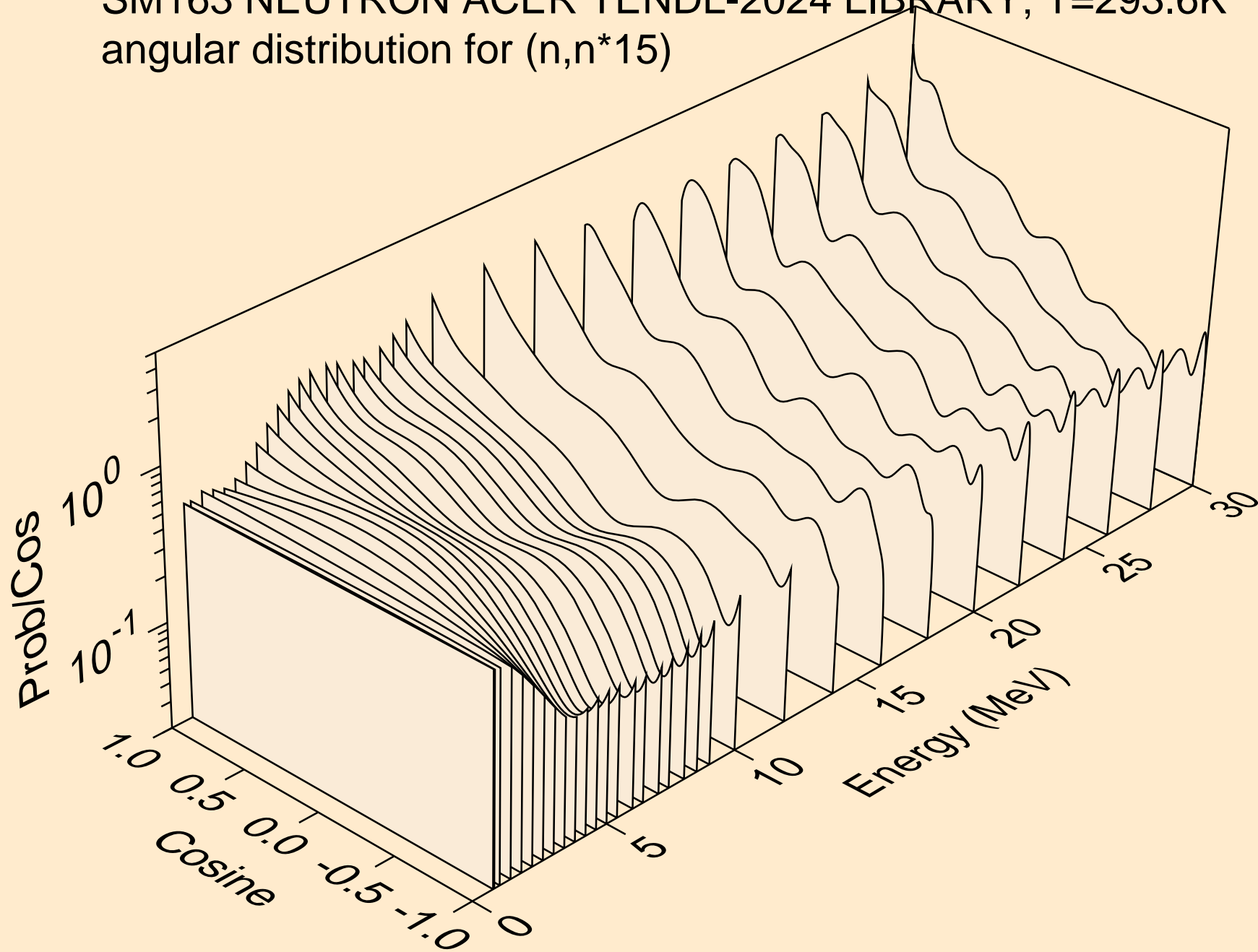
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angular distribution for (n,n\*13)



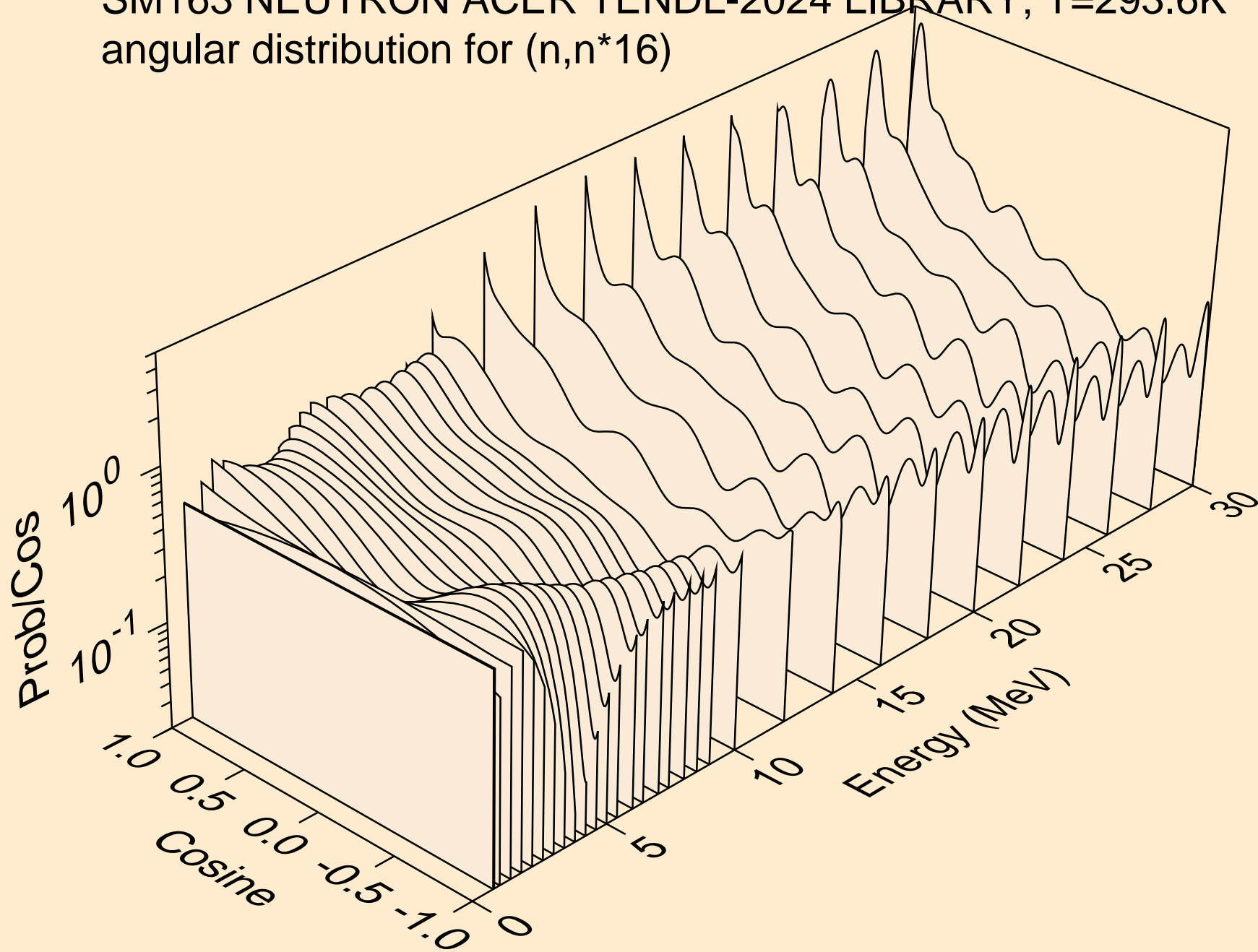
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angular distribution for (n,n\*14)



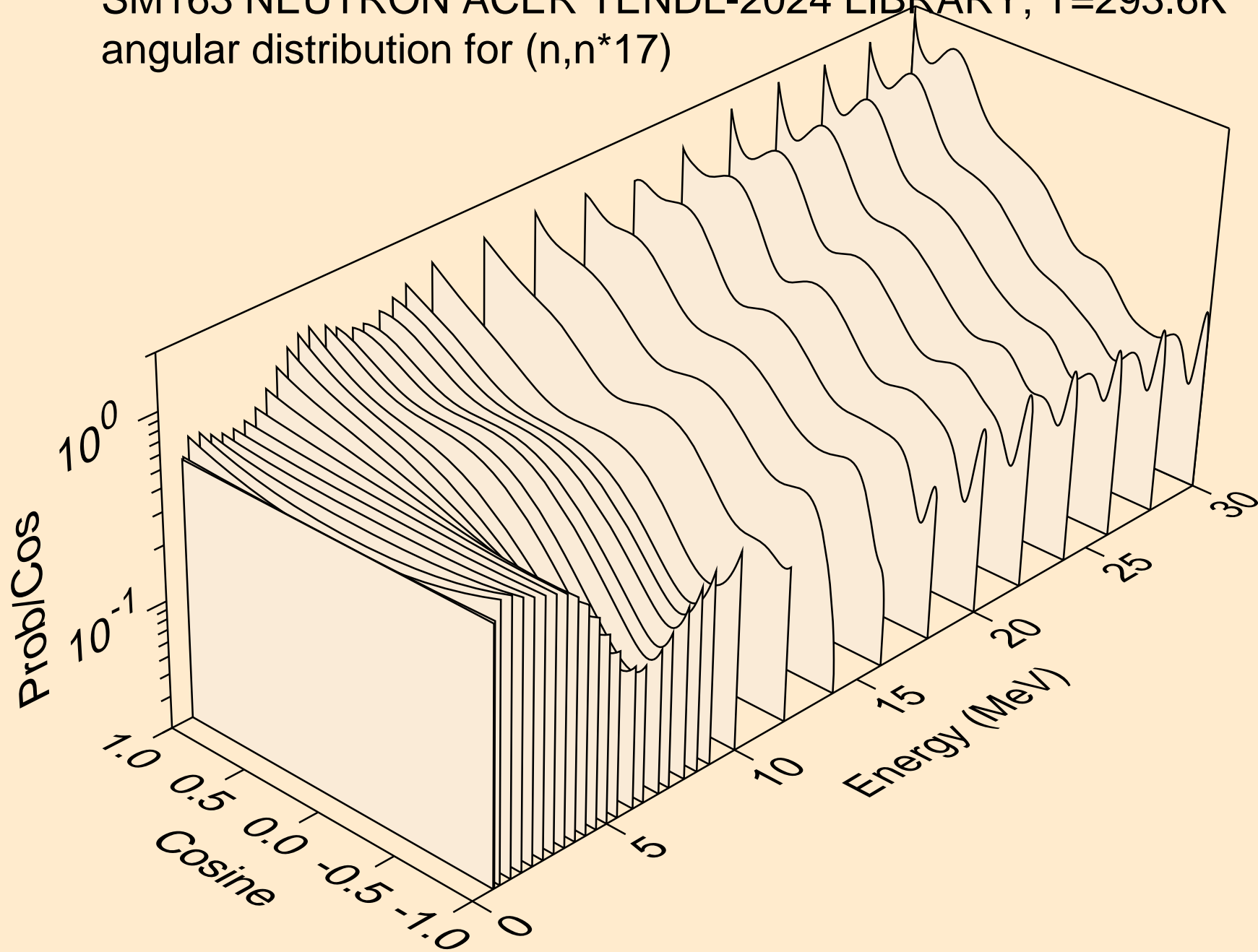
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angular distribution for (n,n\*15)



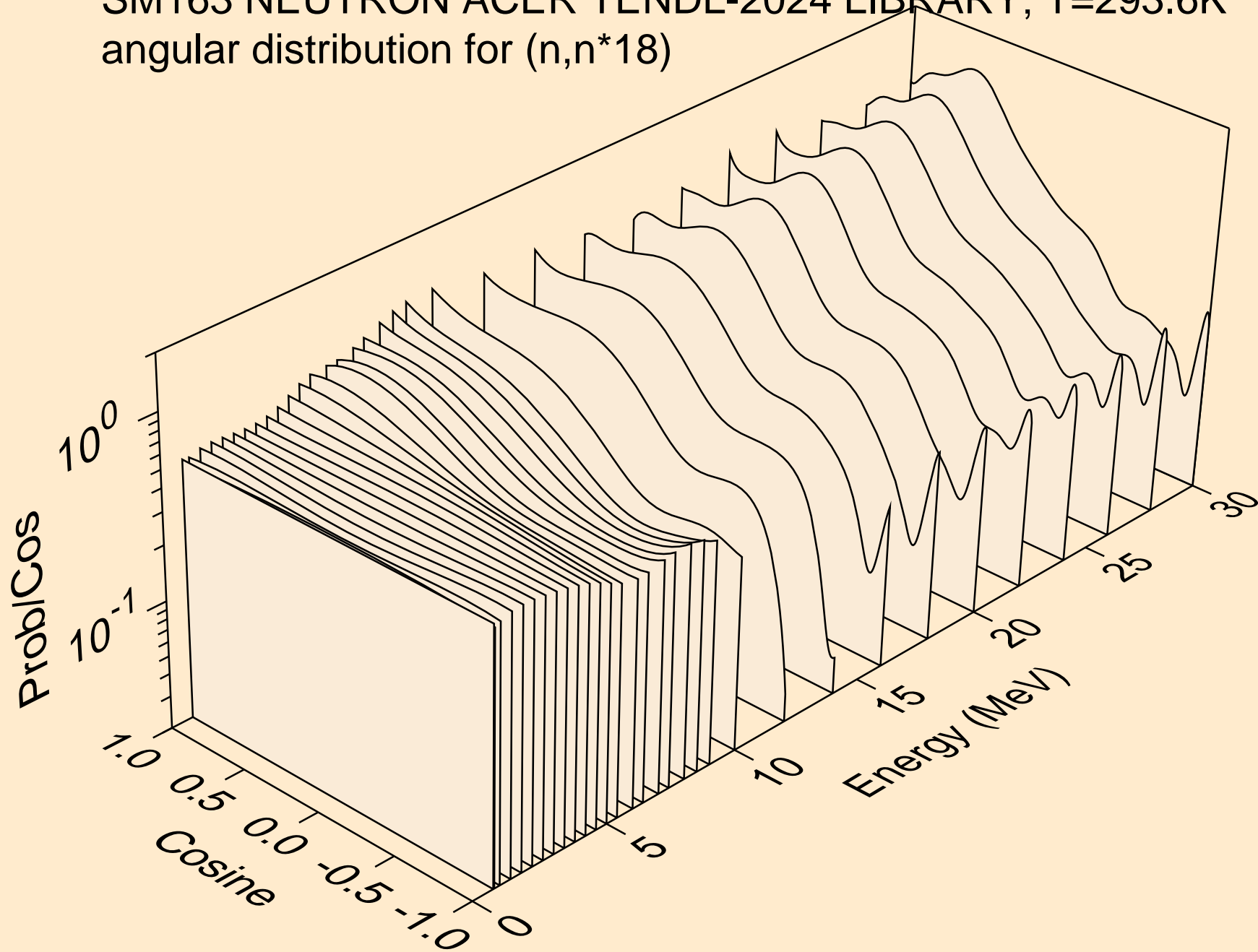
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



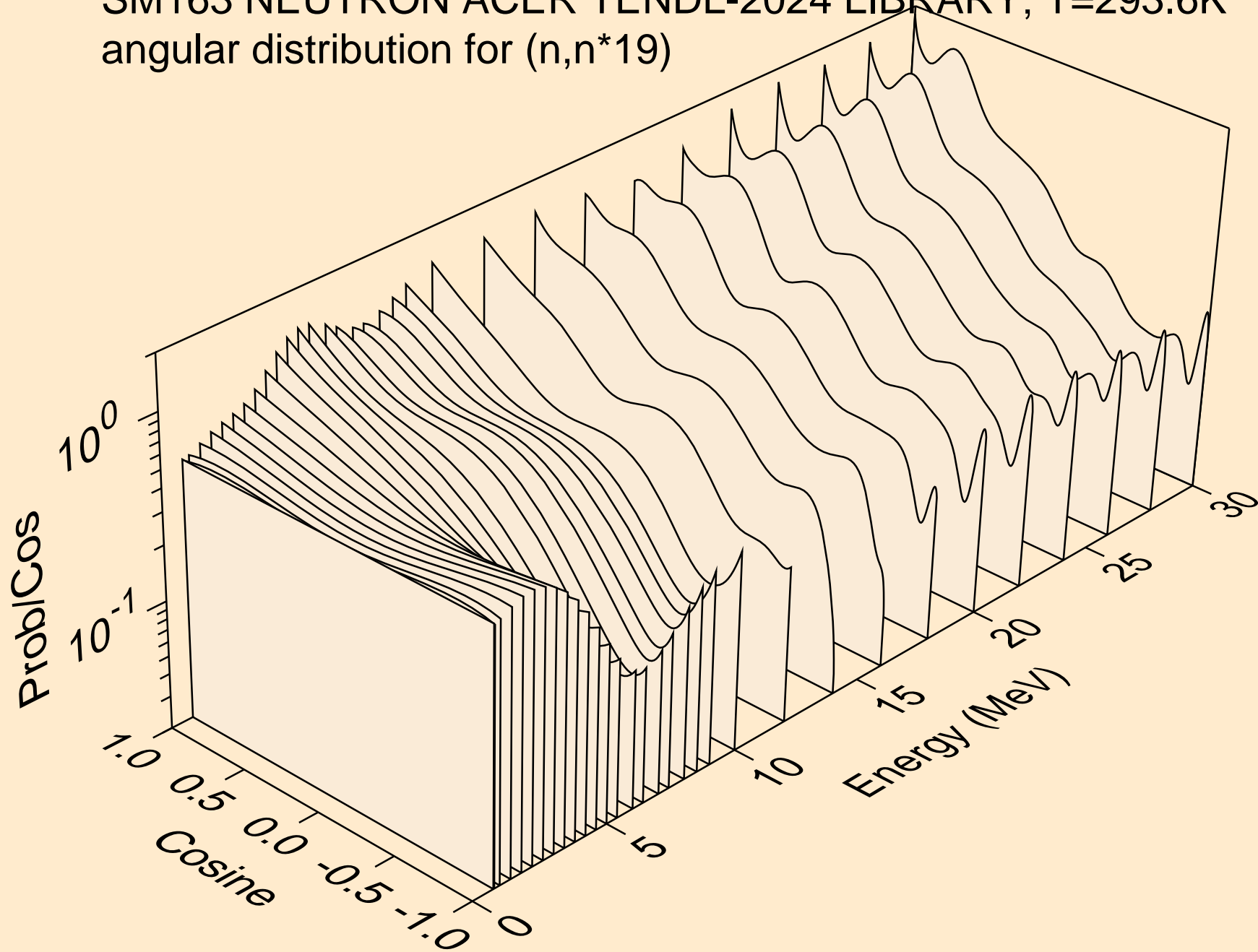
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angular distribution for (n,n\*17)



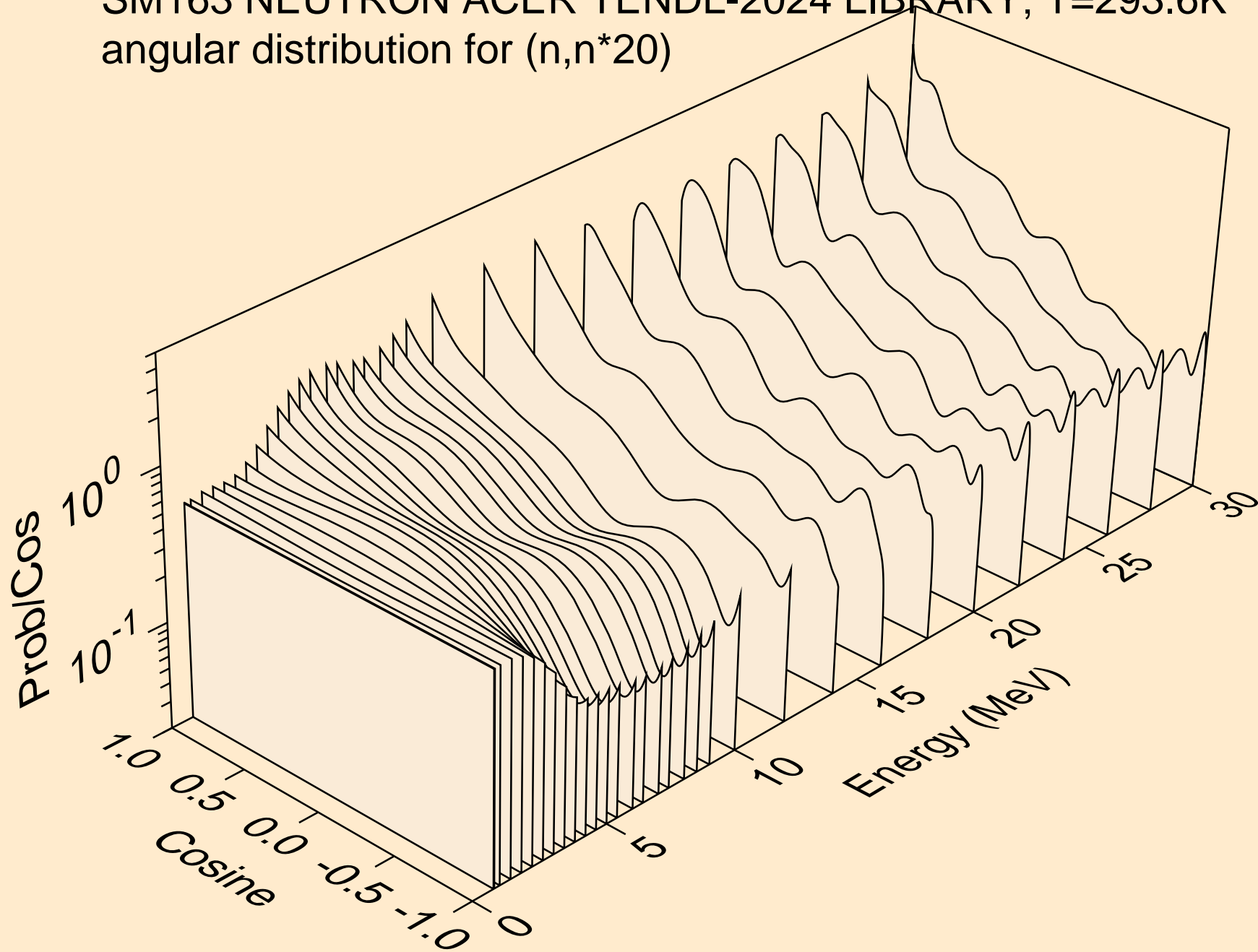
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angular distribution for (n,n\*18)



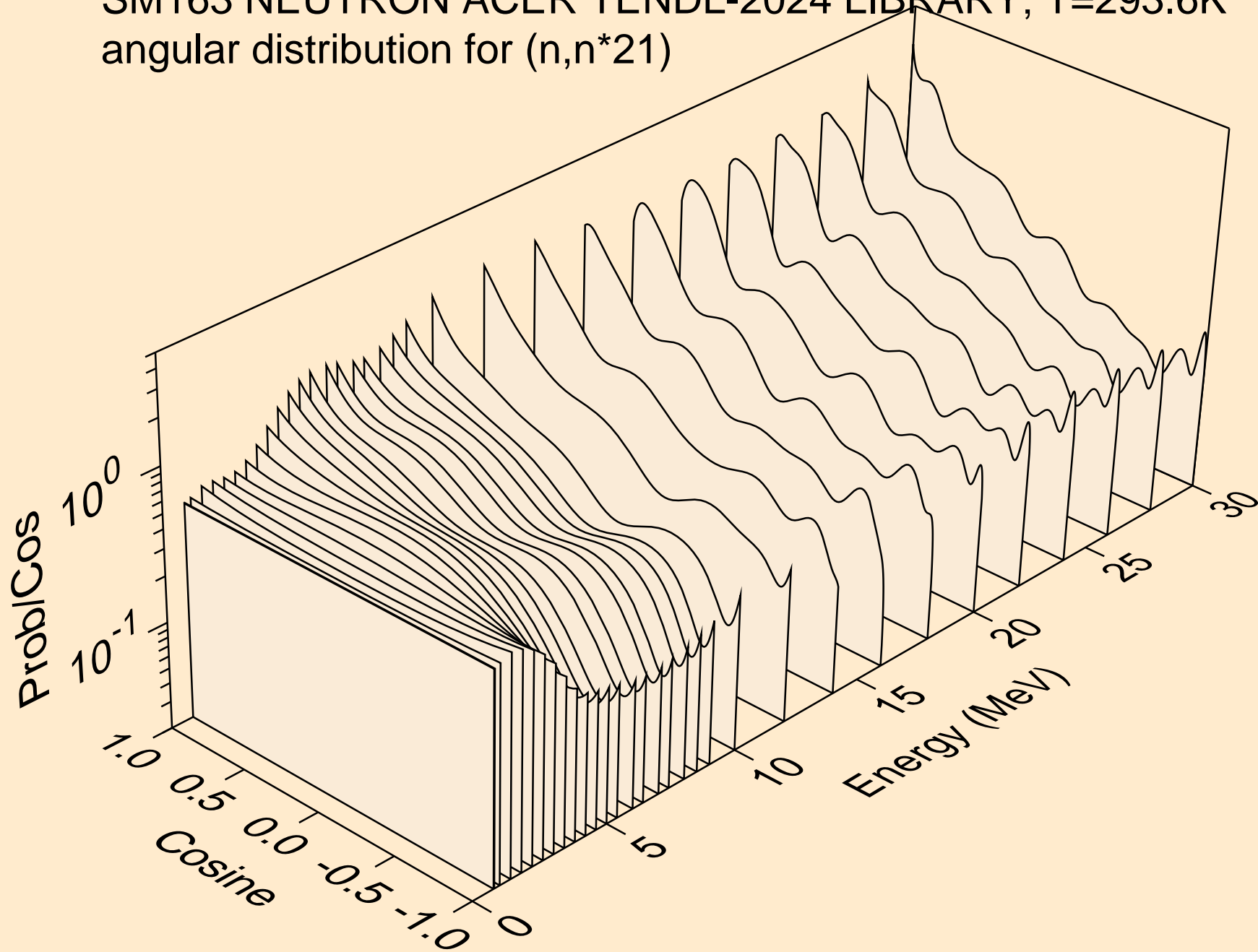
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angular distribution for (n,n\*19)



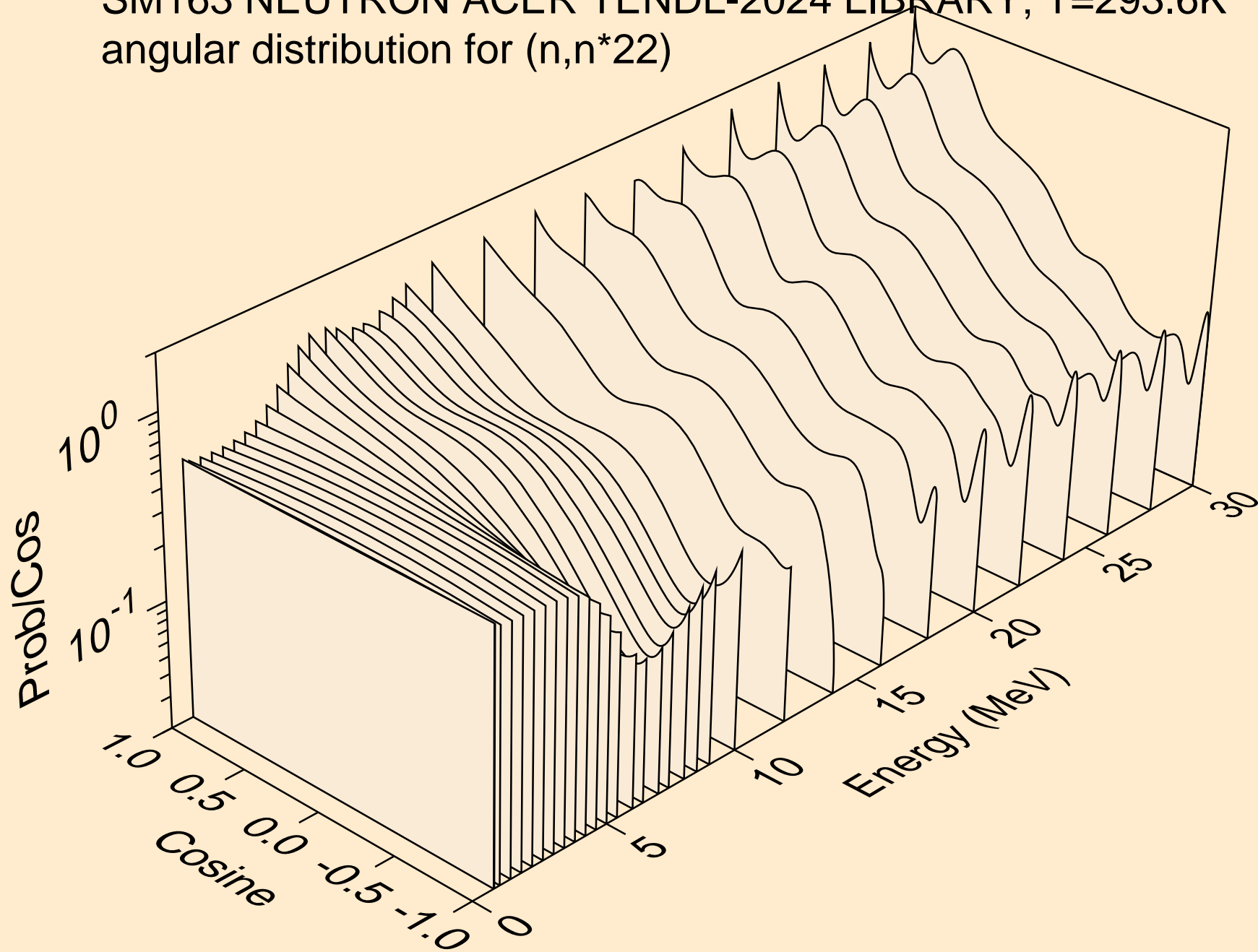
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



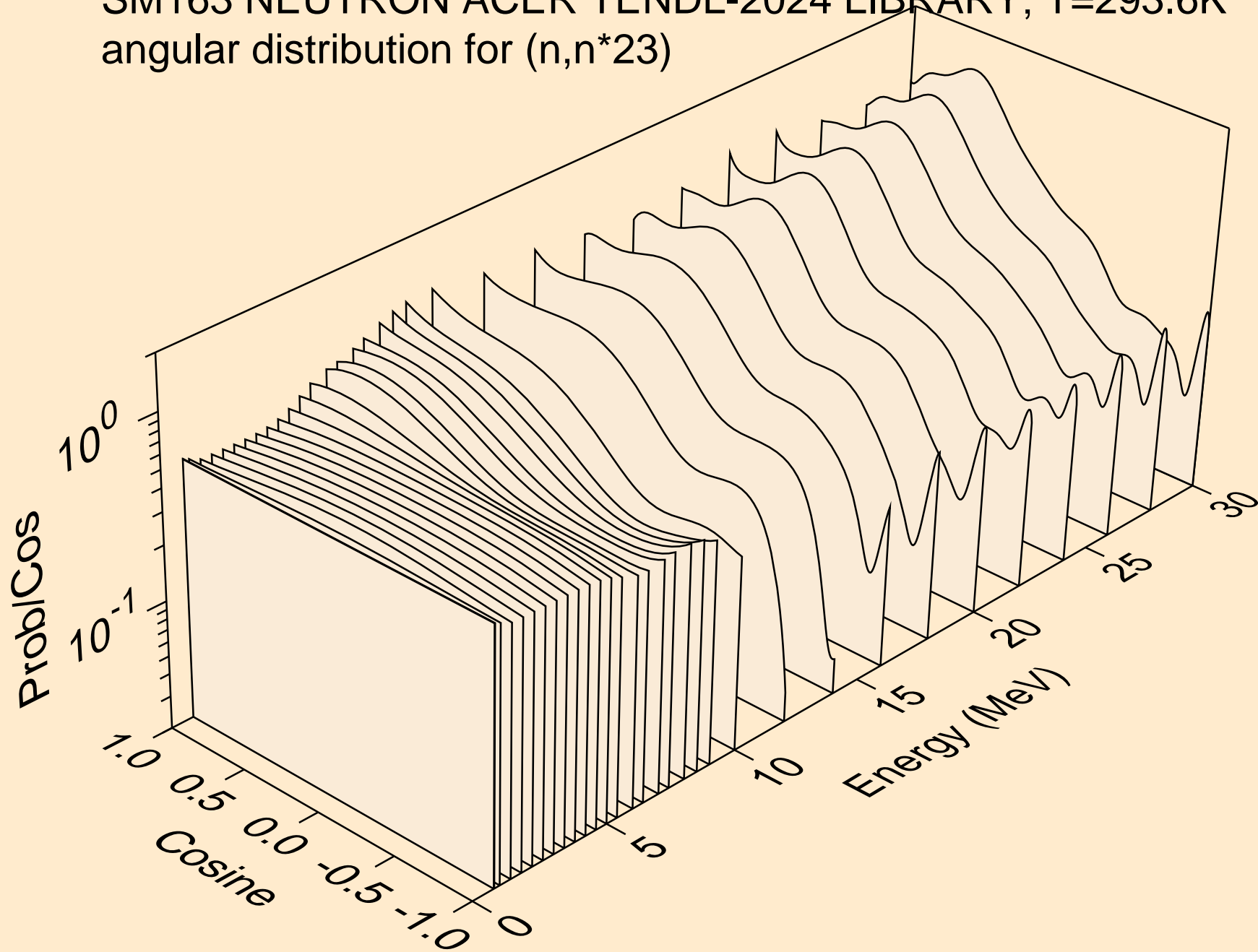
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angular distribution for (n,n\*21)



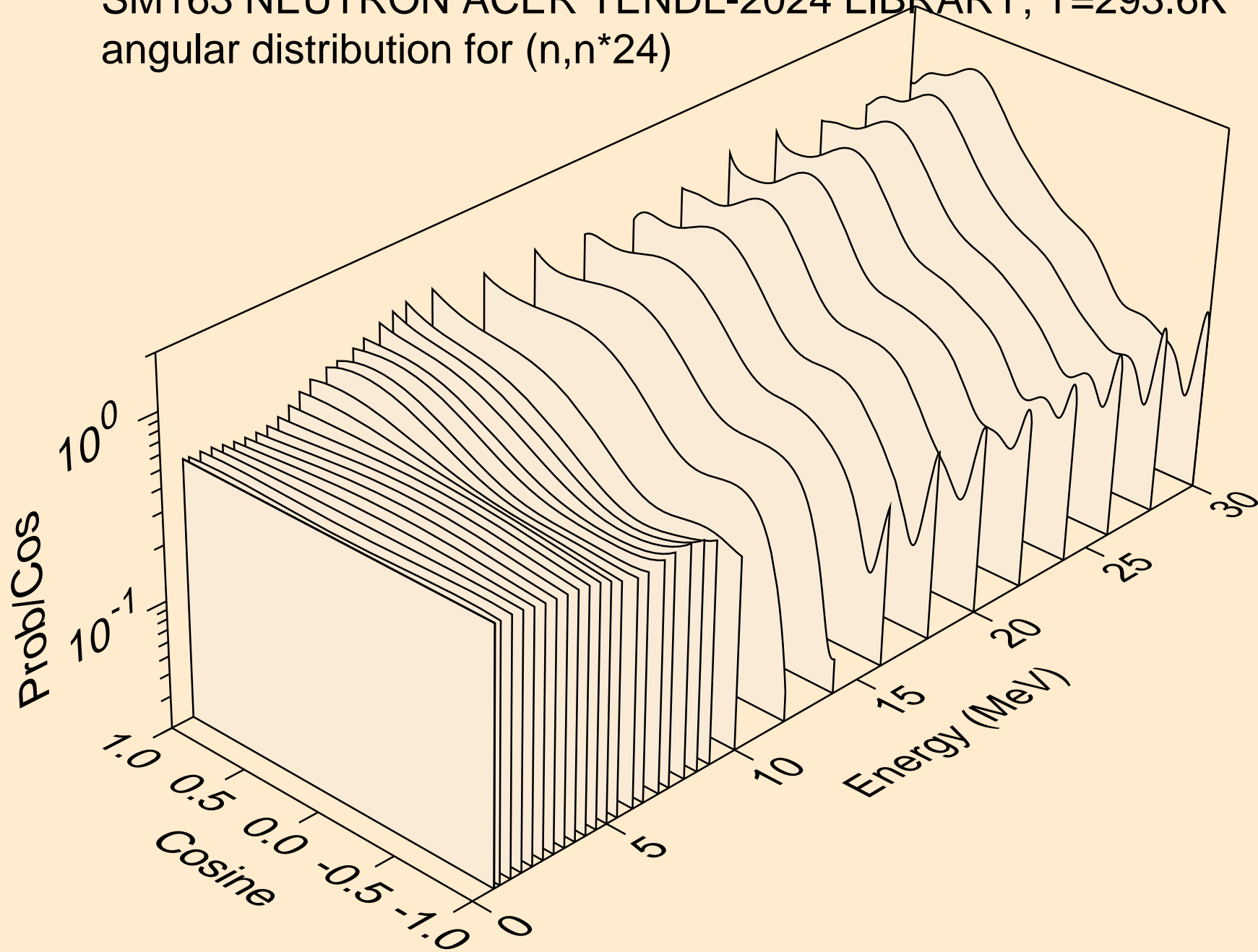
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angular distribution for (n,n\*22)



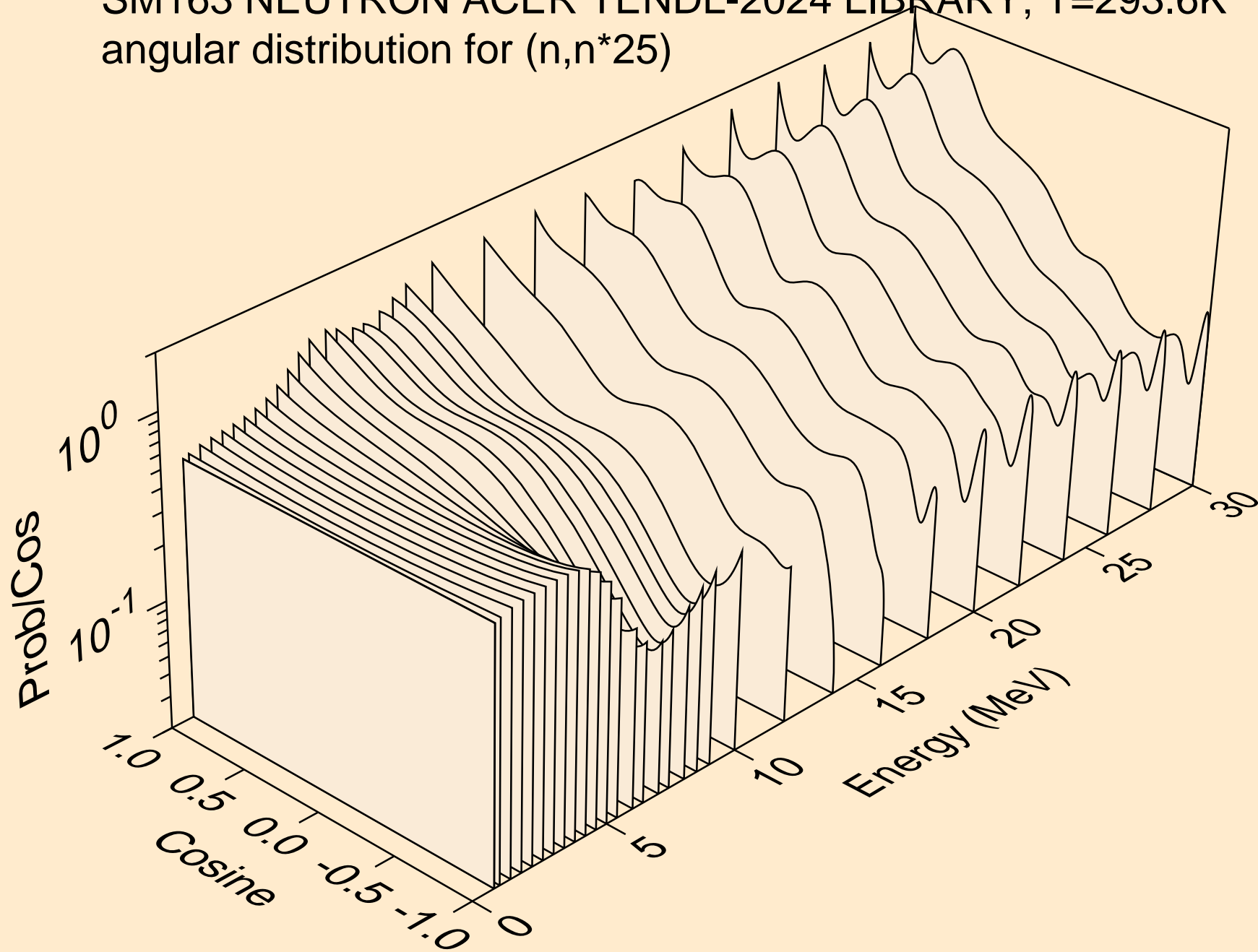
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angular distribution for (n,n\*23)



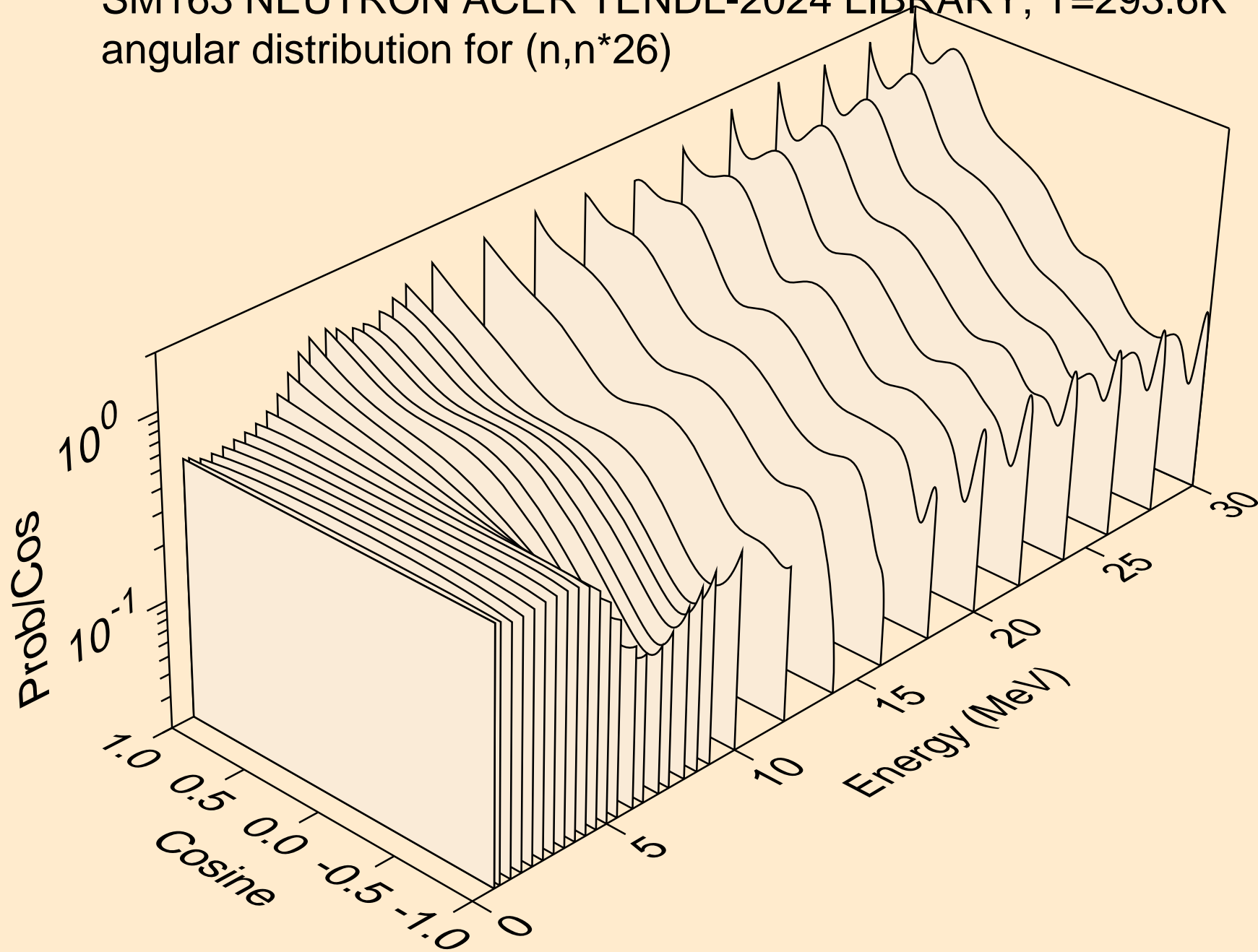
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



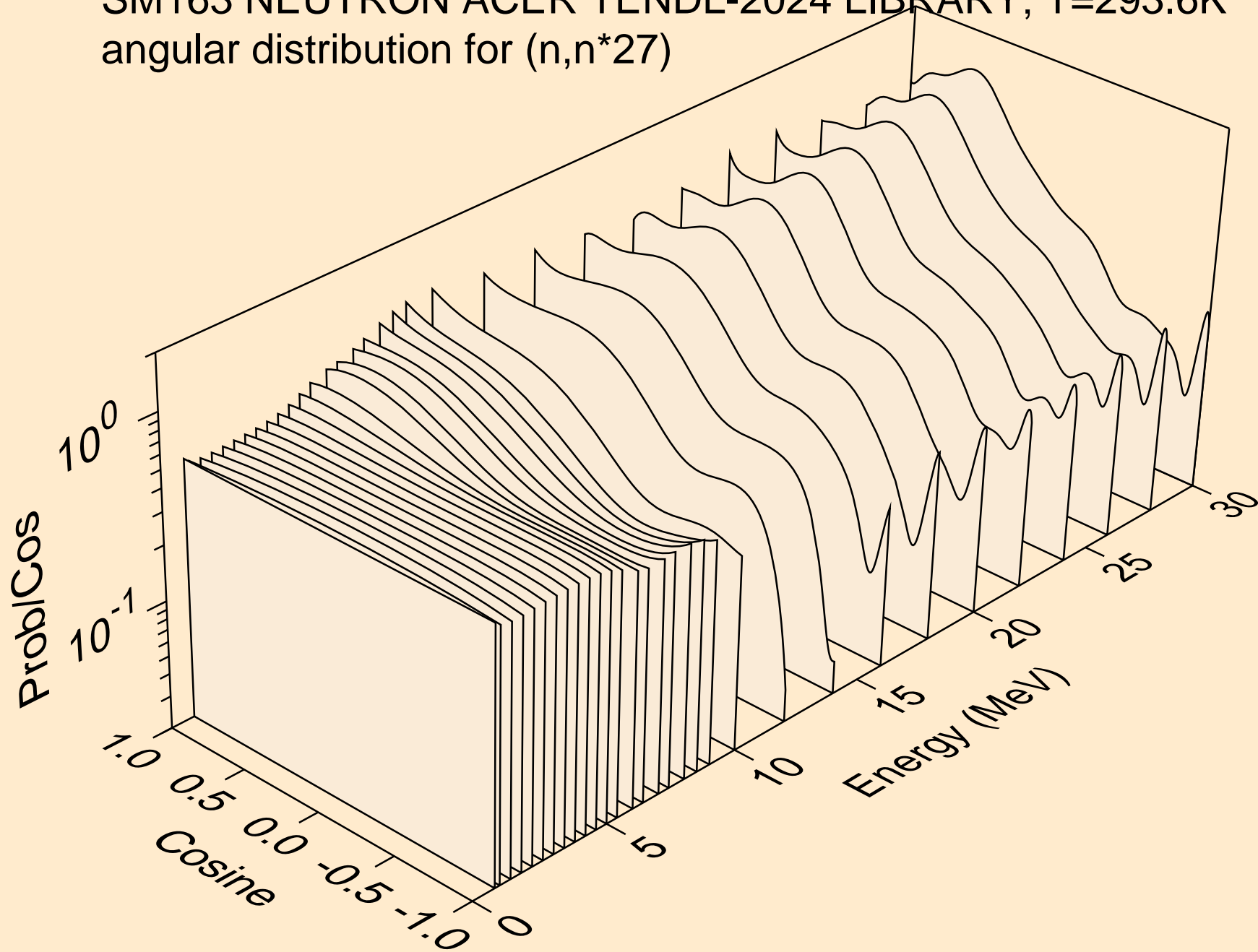
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



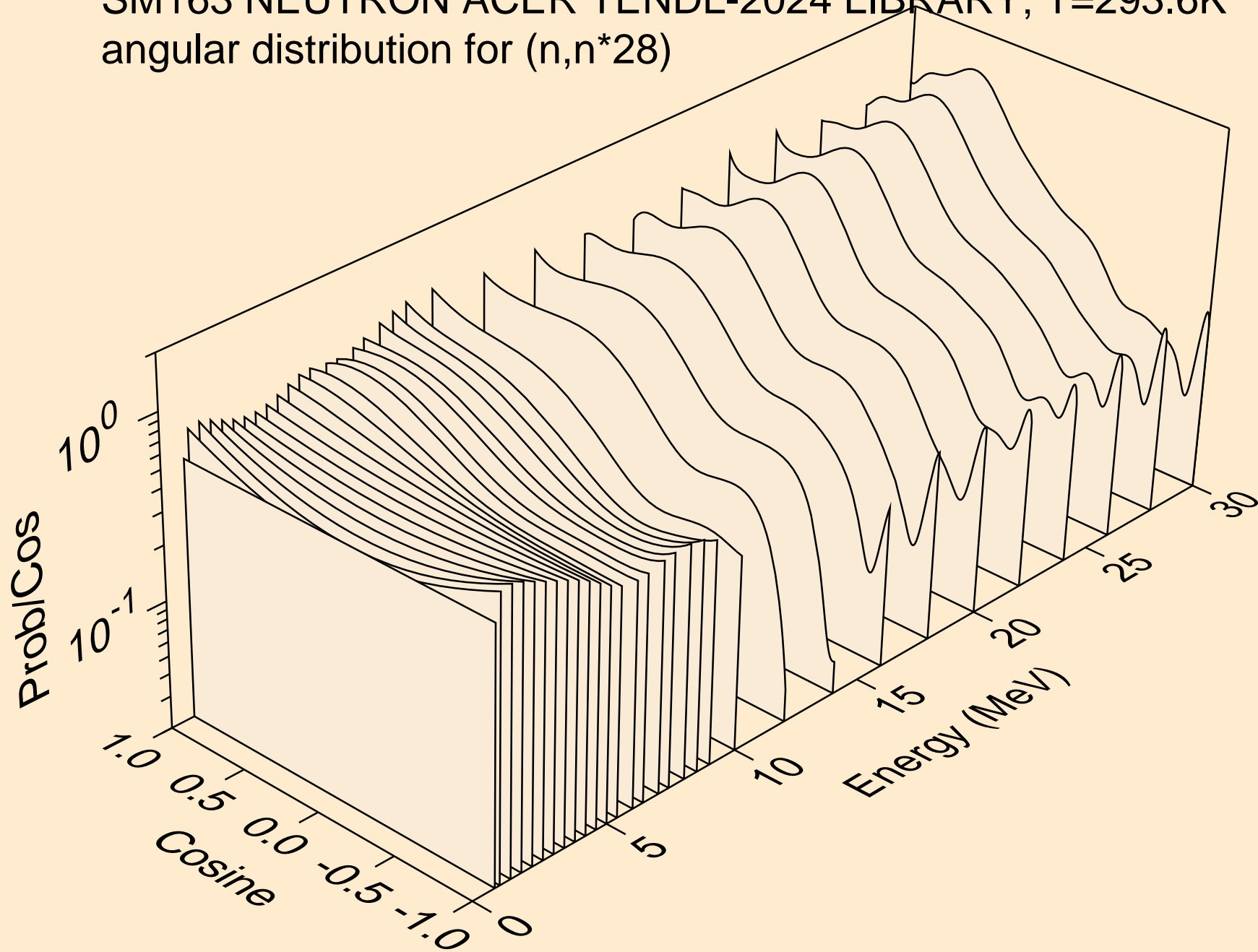
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



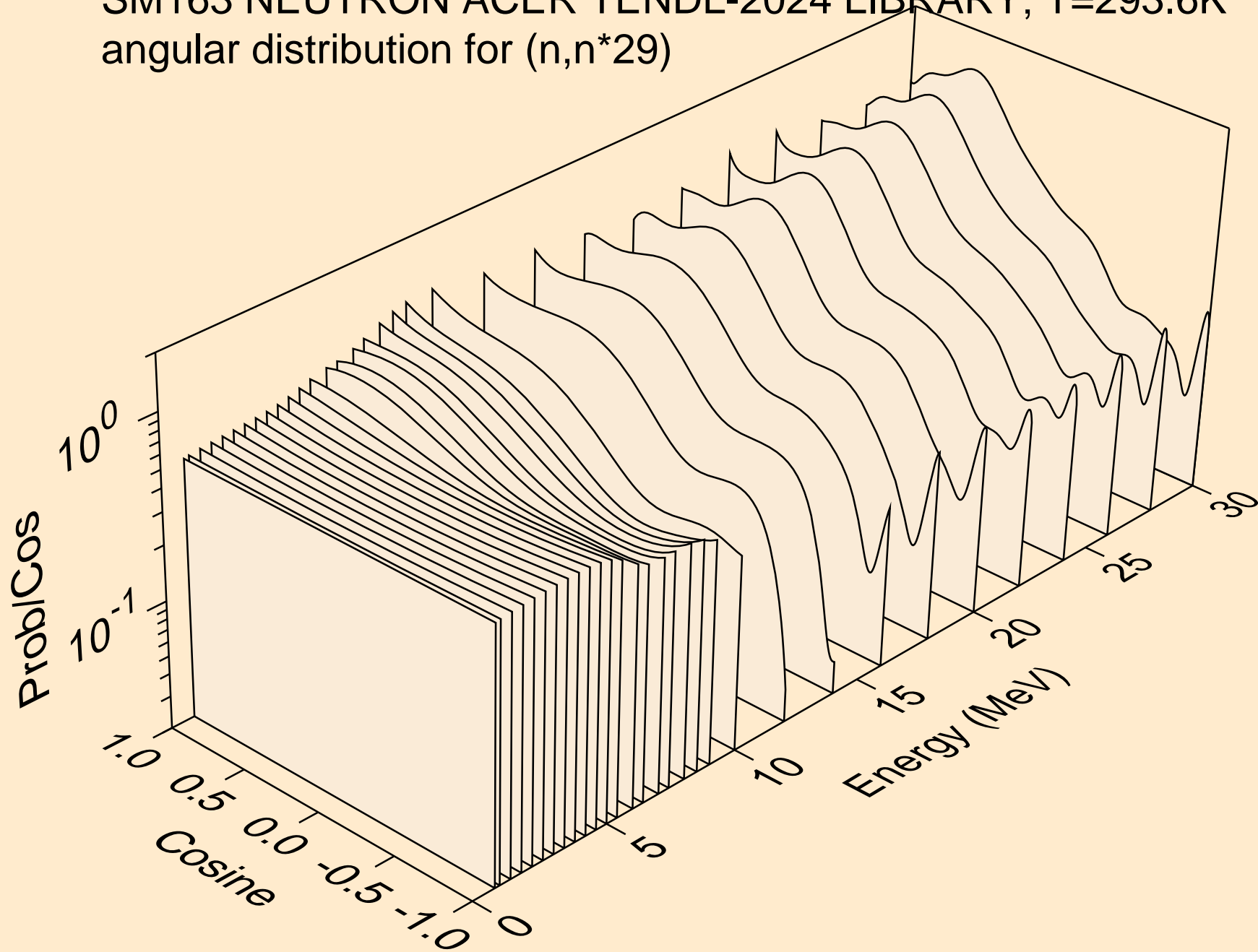
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



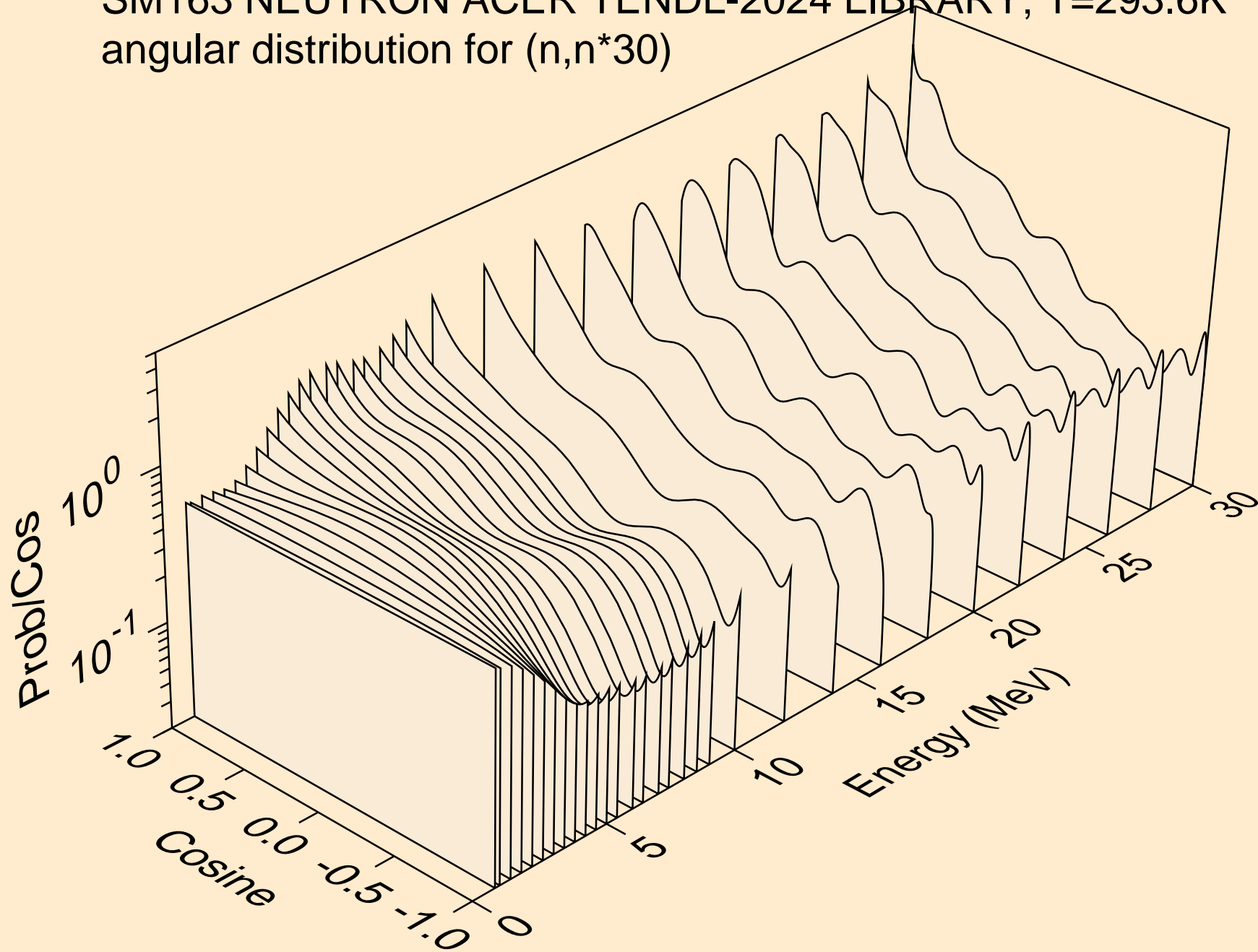
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



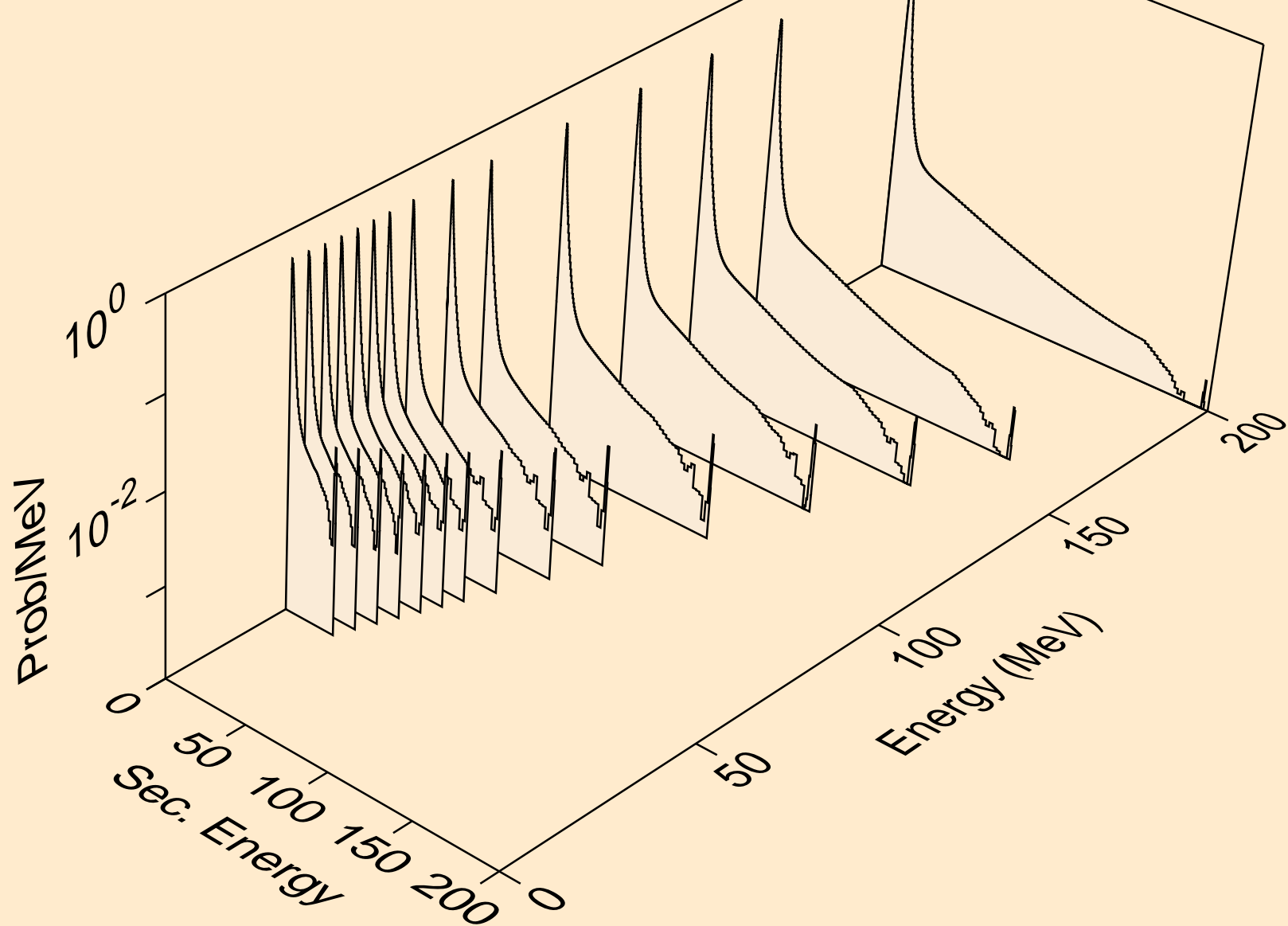
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angular distribution for (n,n\*29)



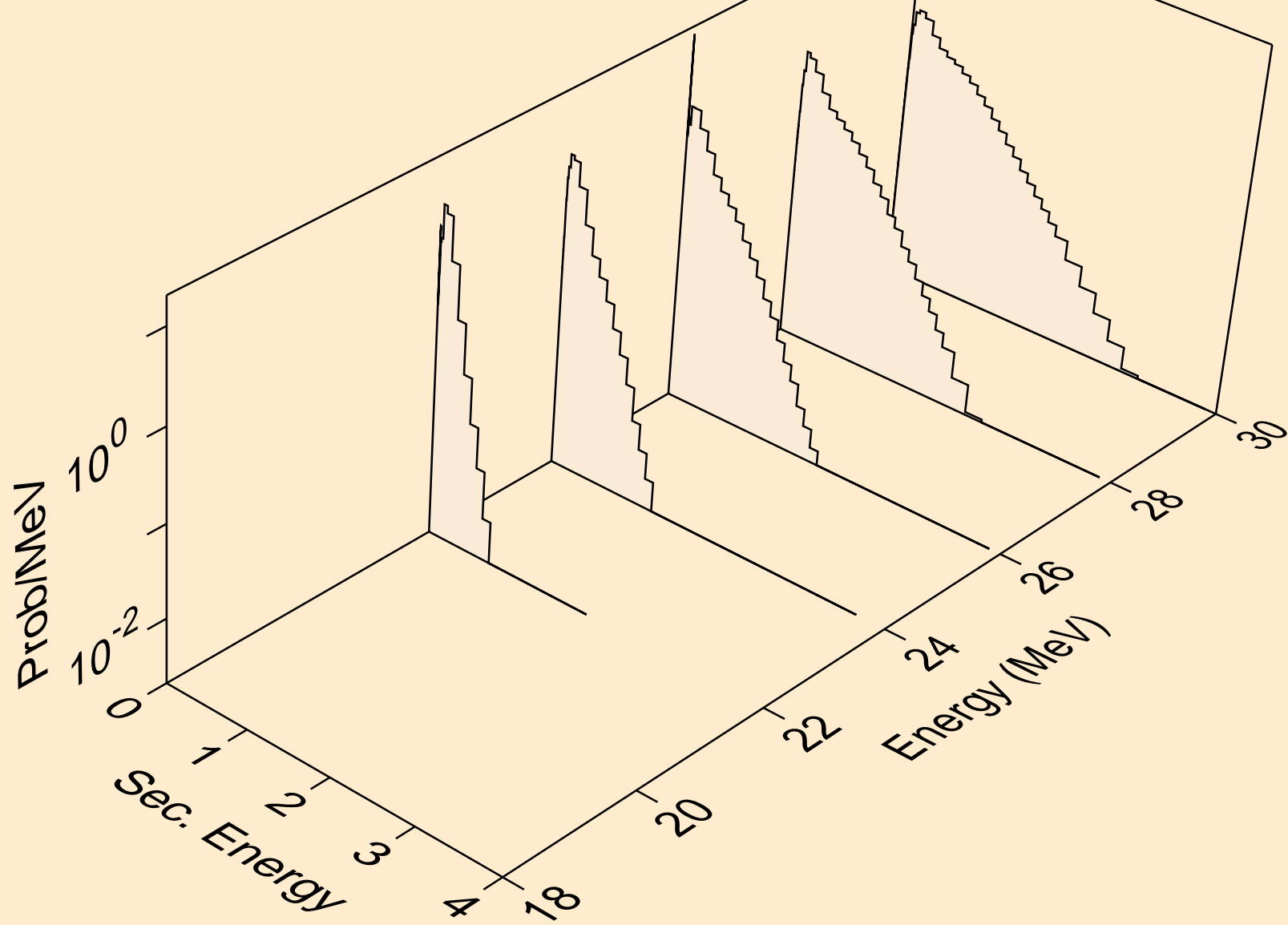
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



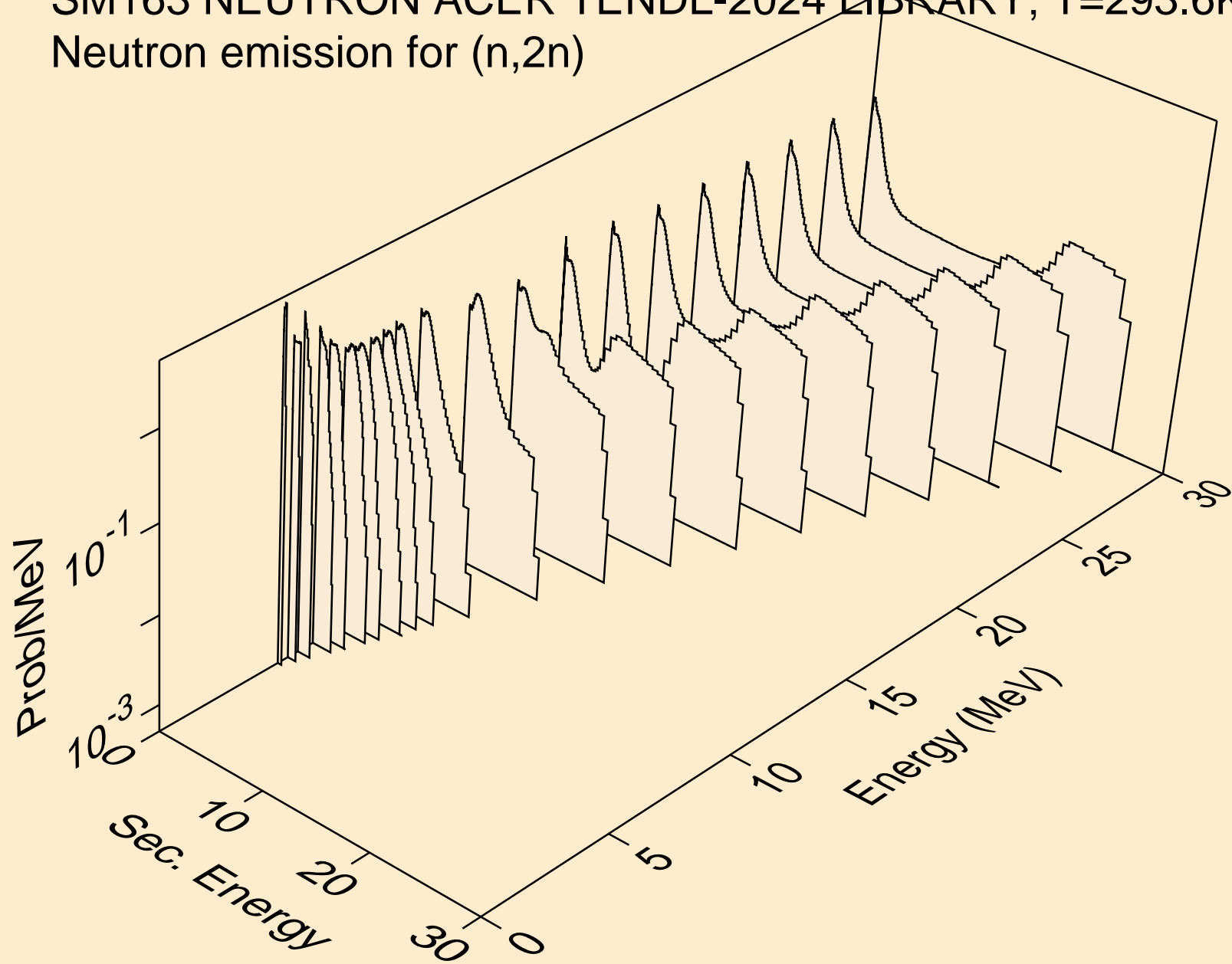
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



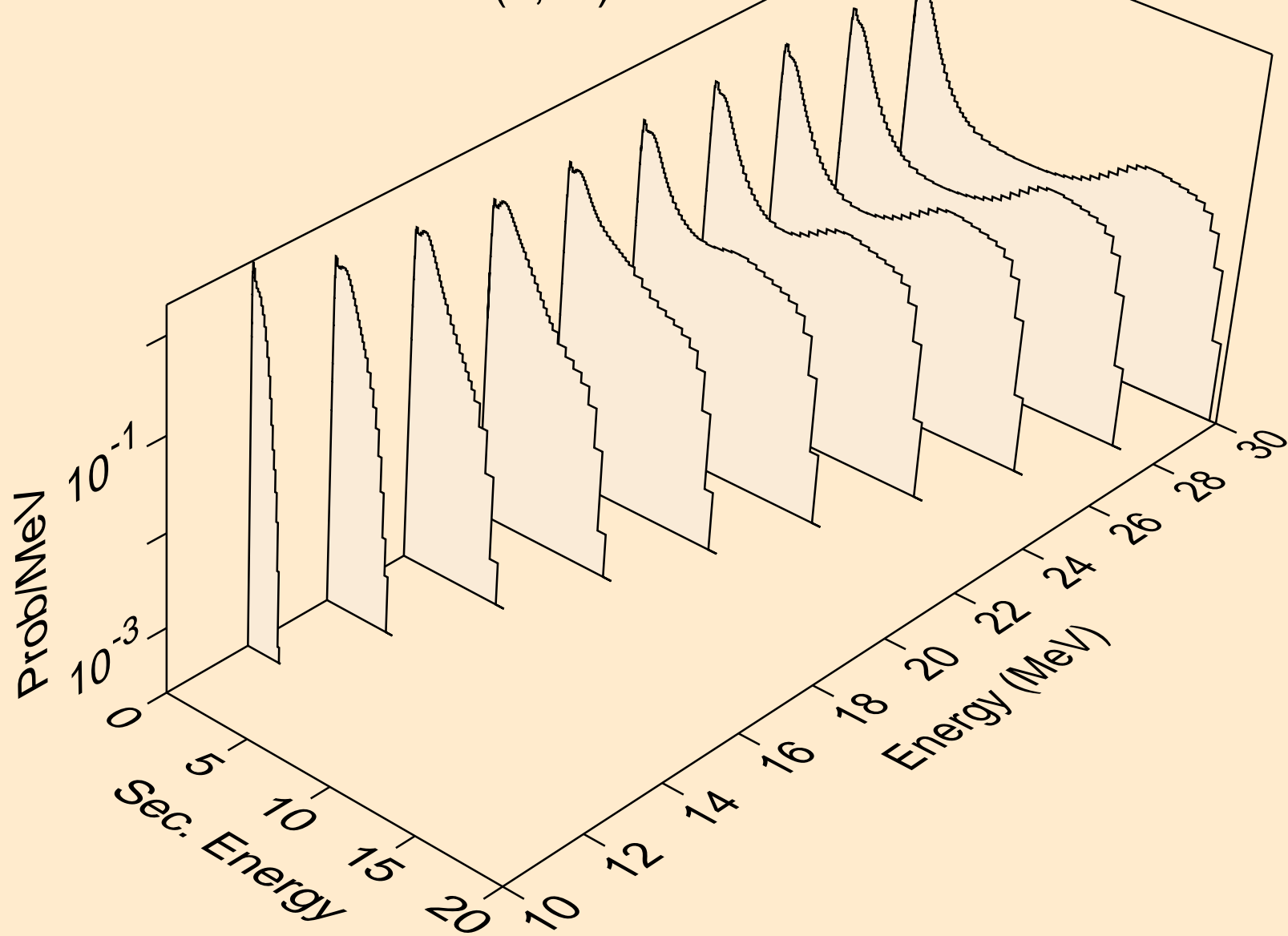
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



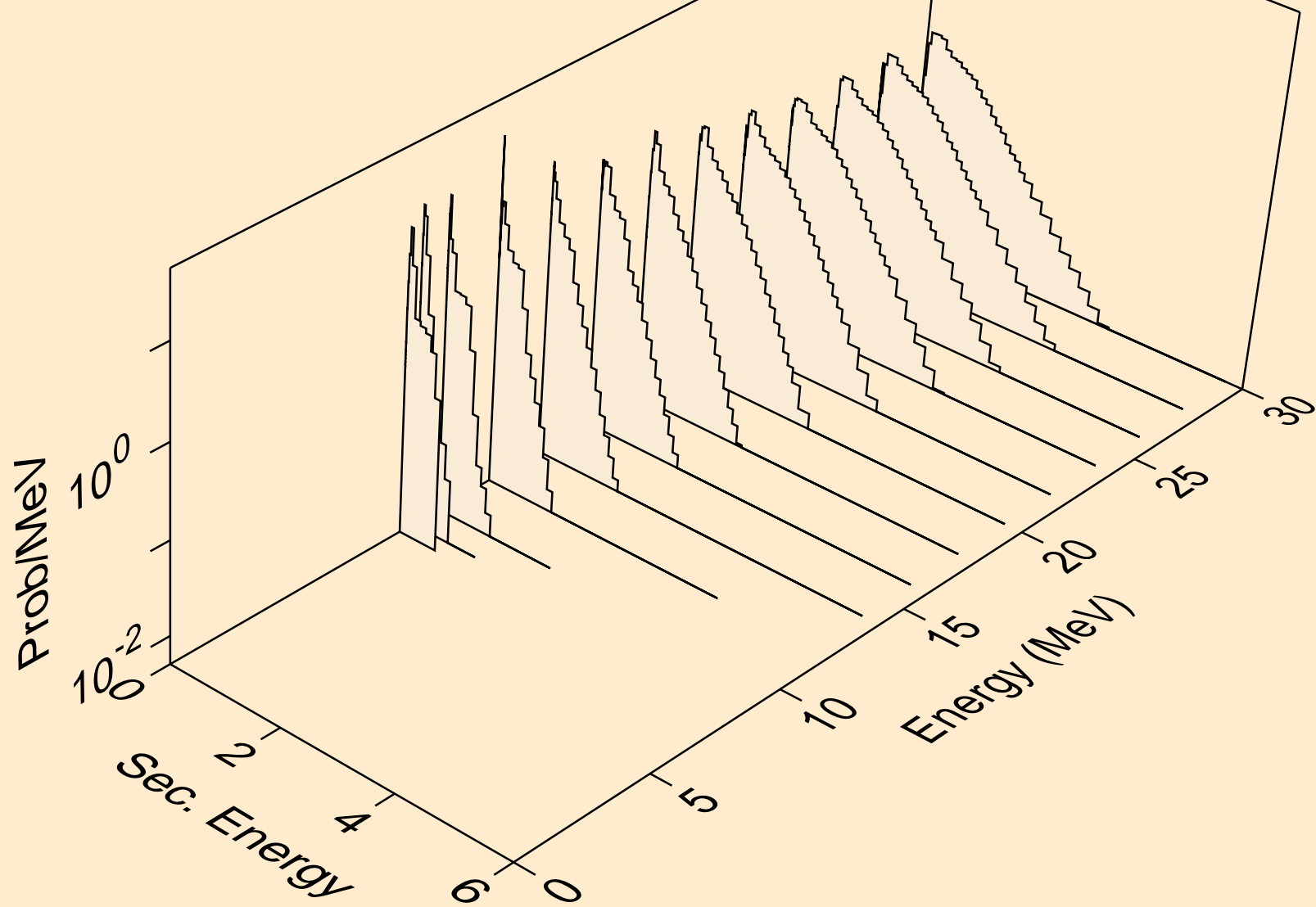
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



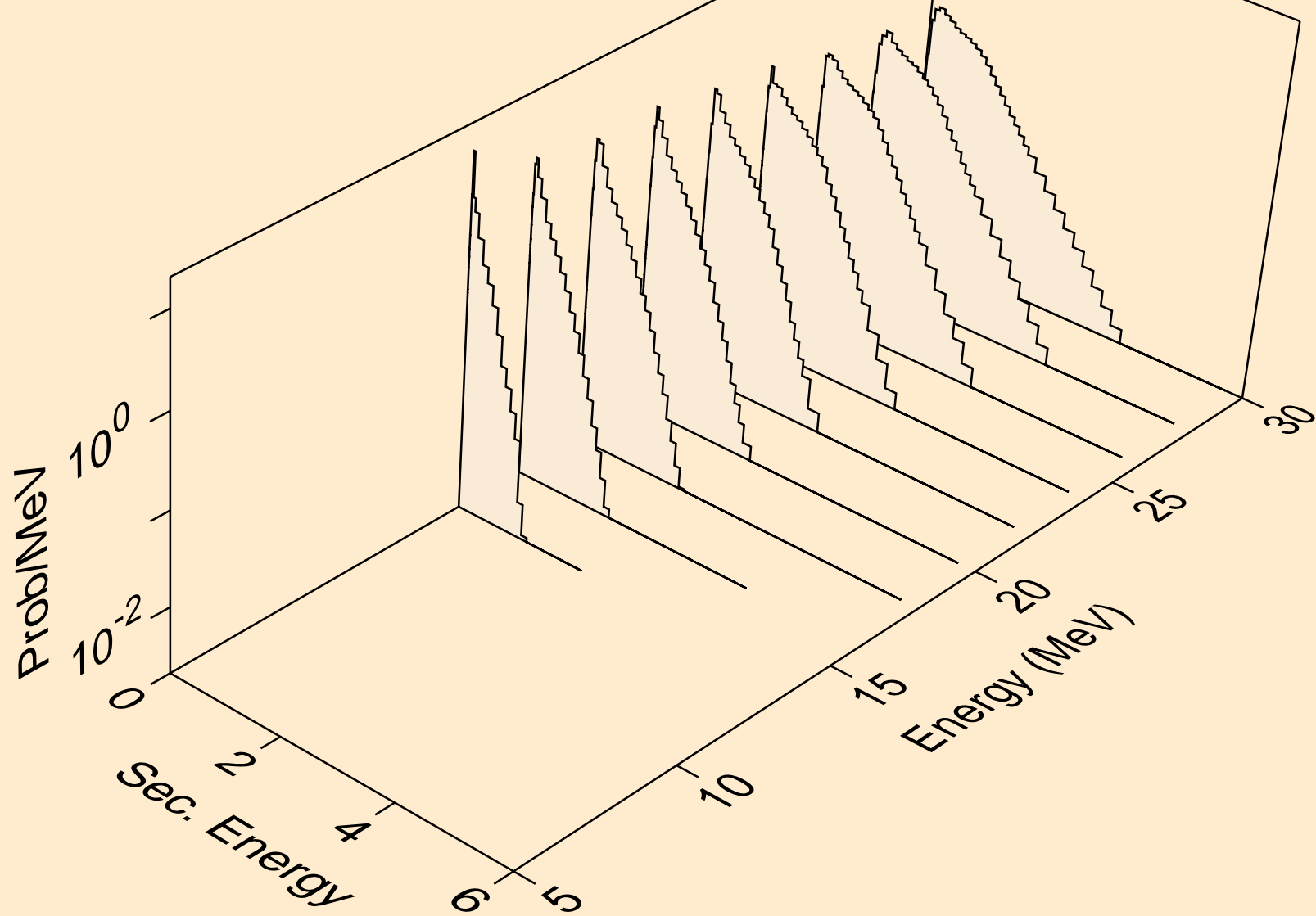
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



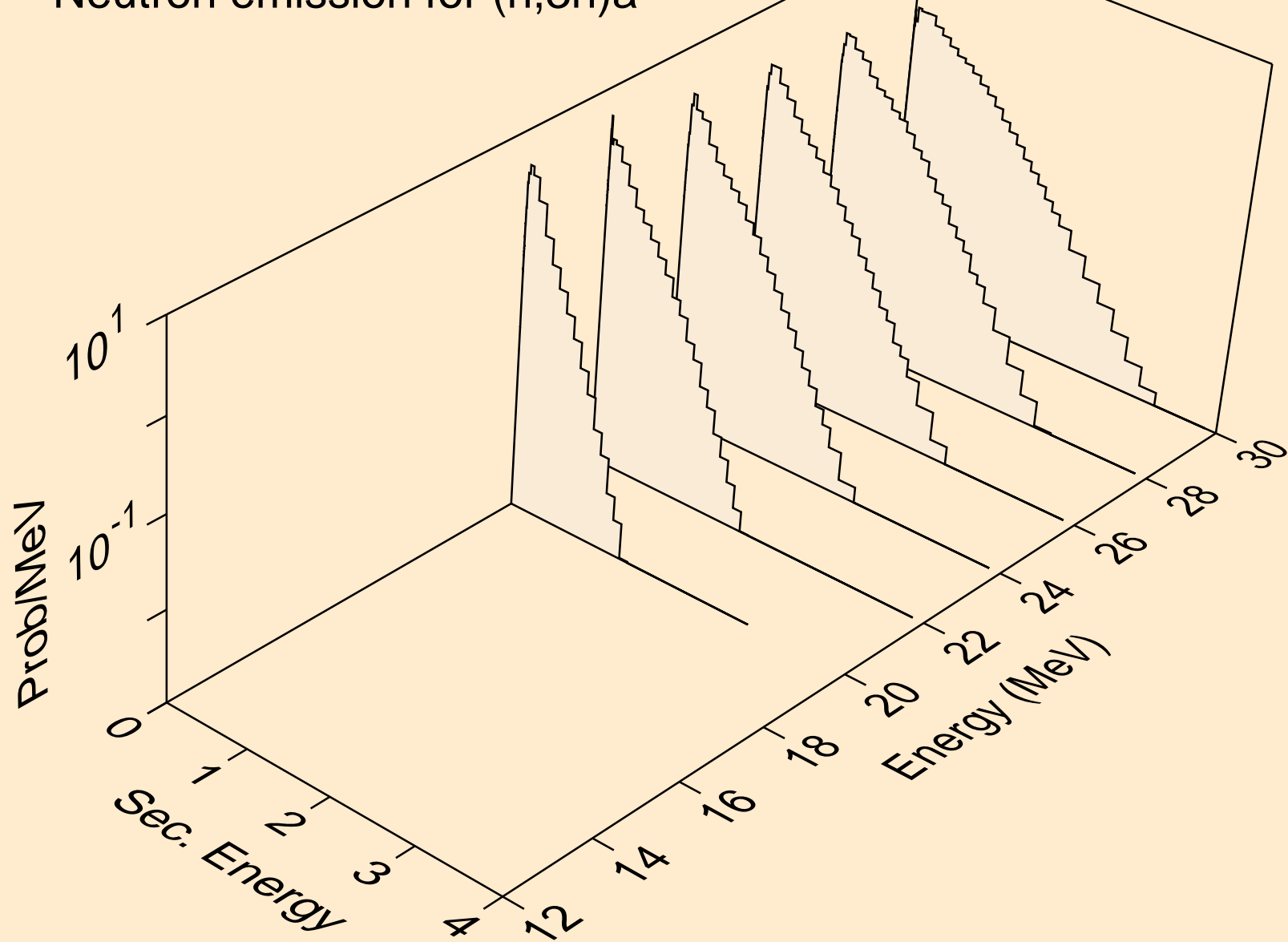
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



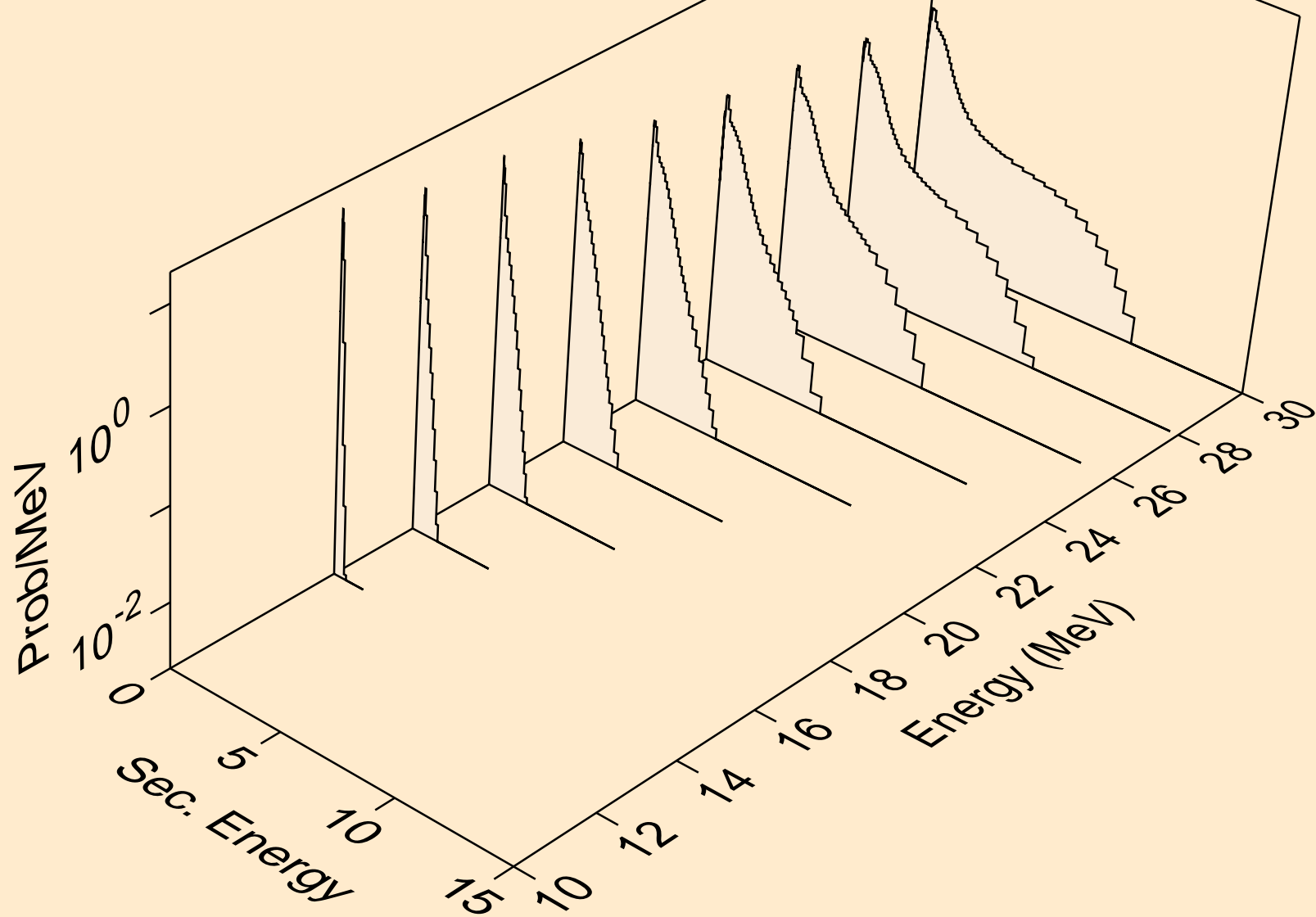
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



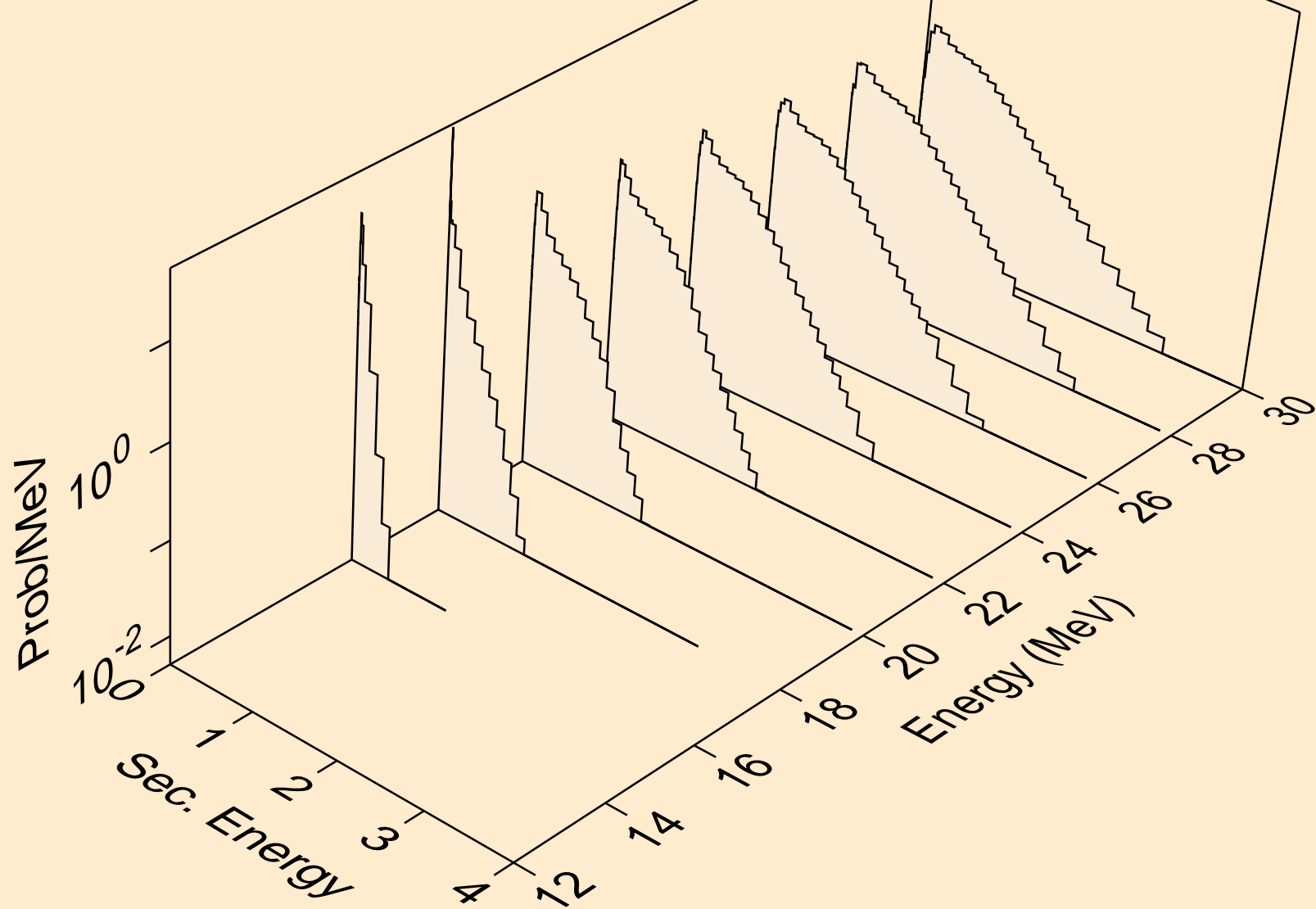
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



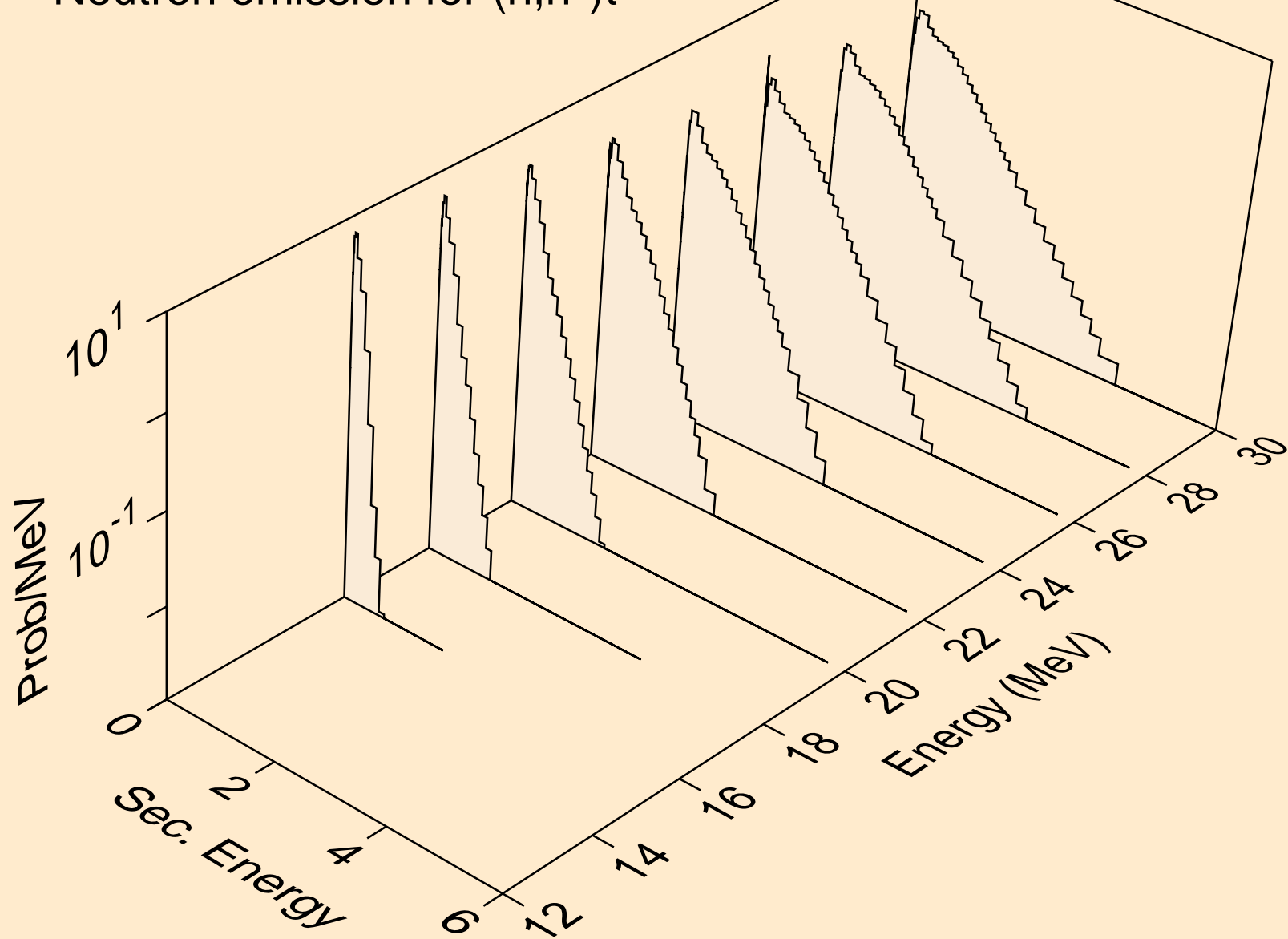
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



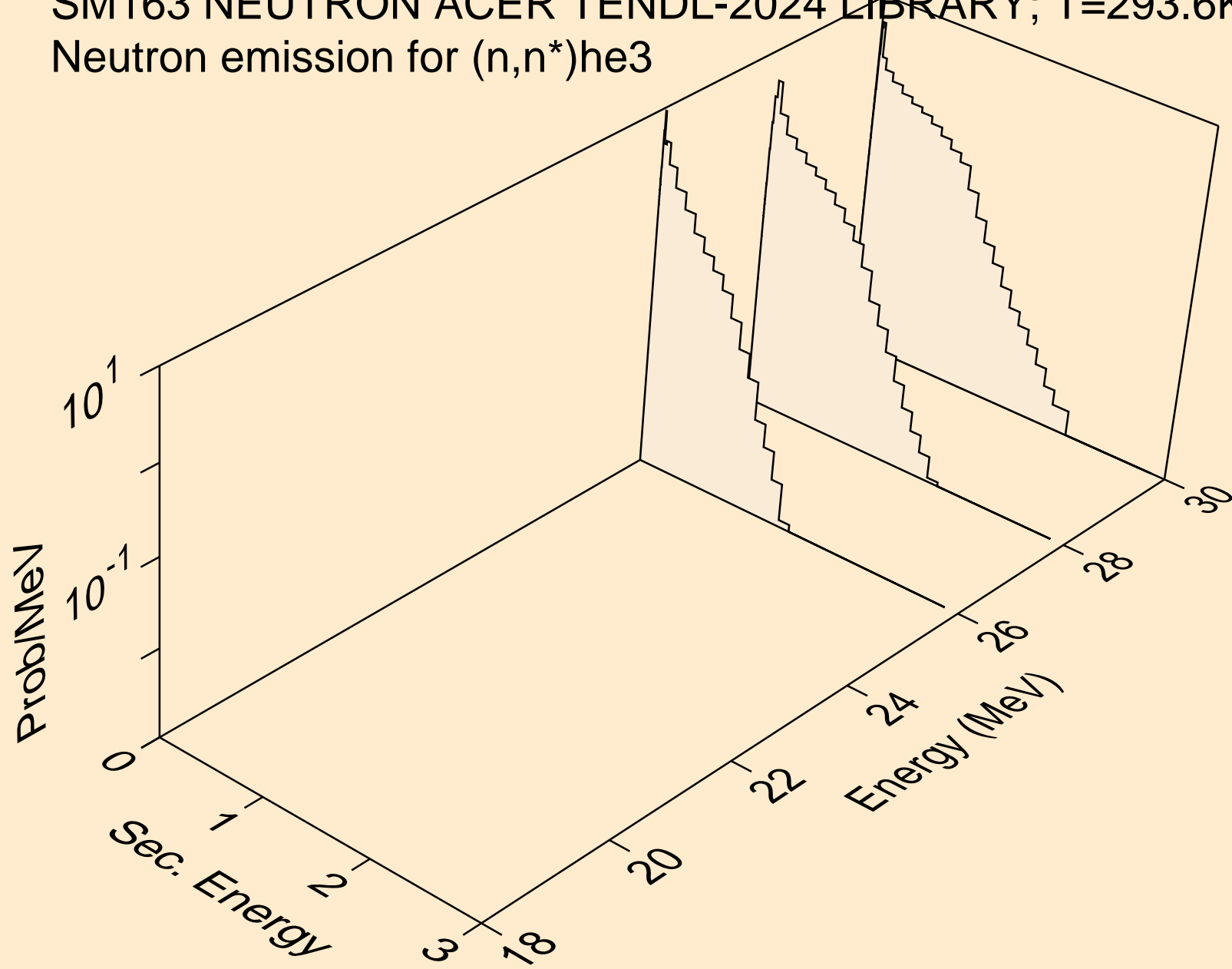
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



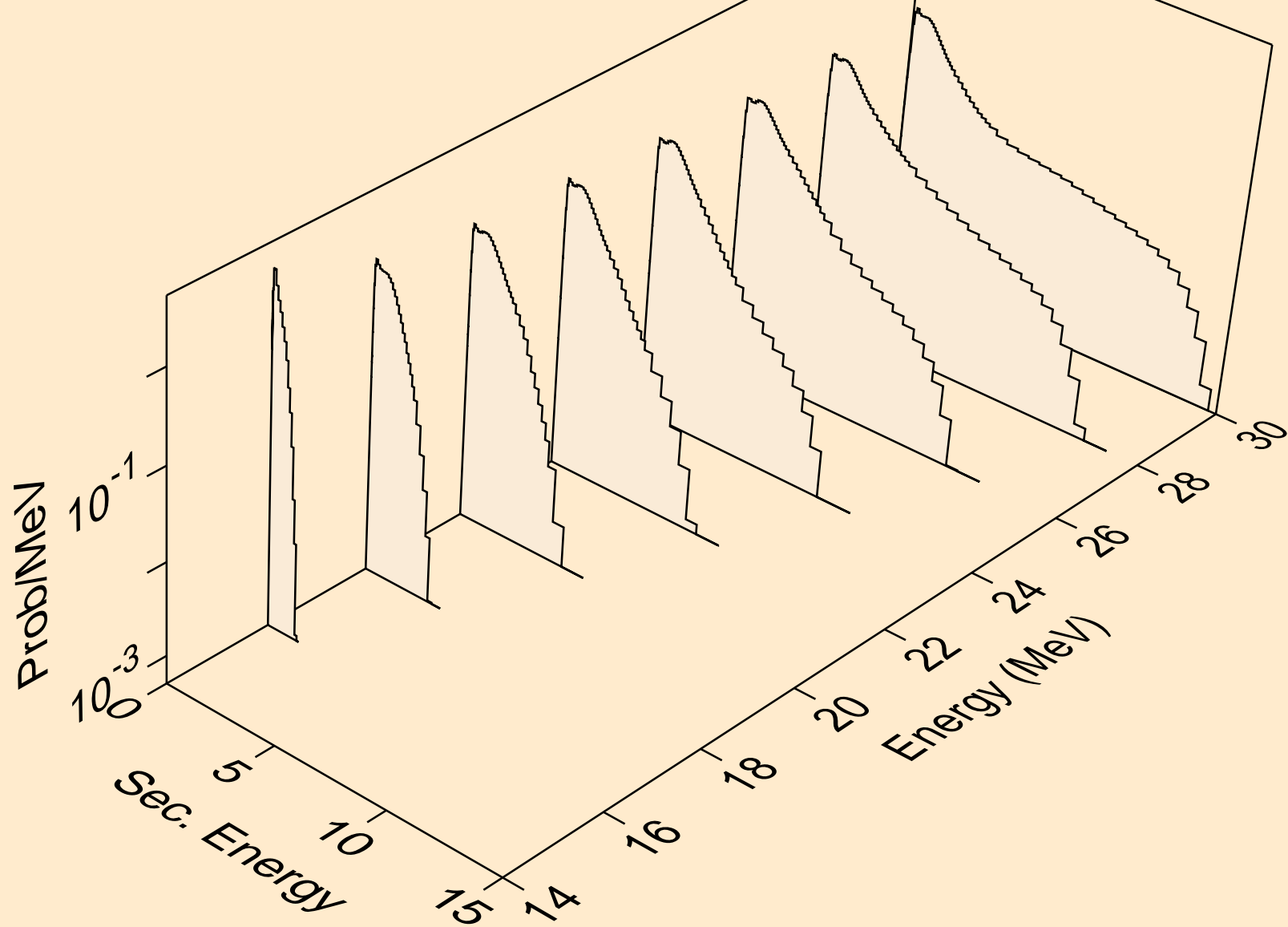
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



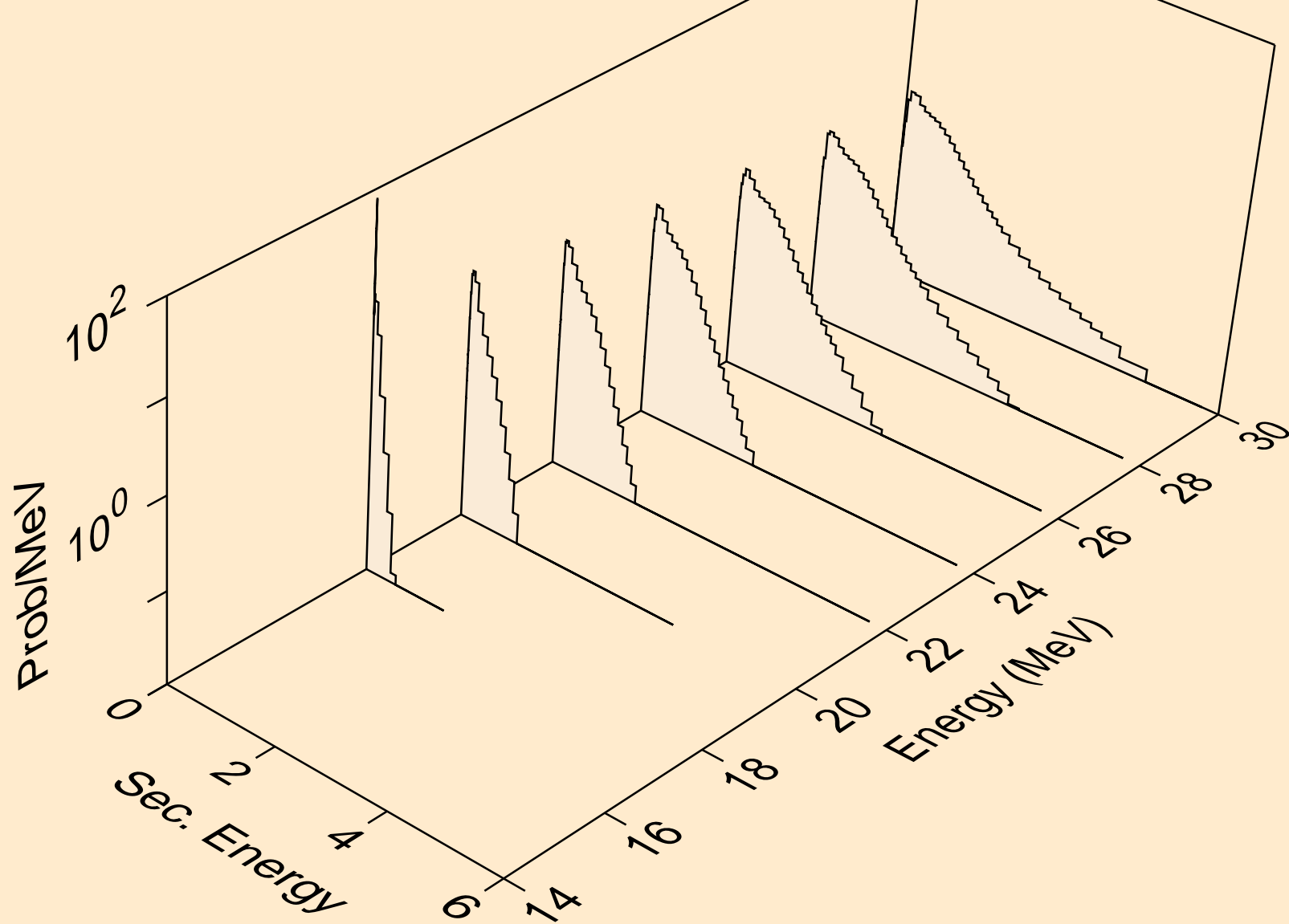
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



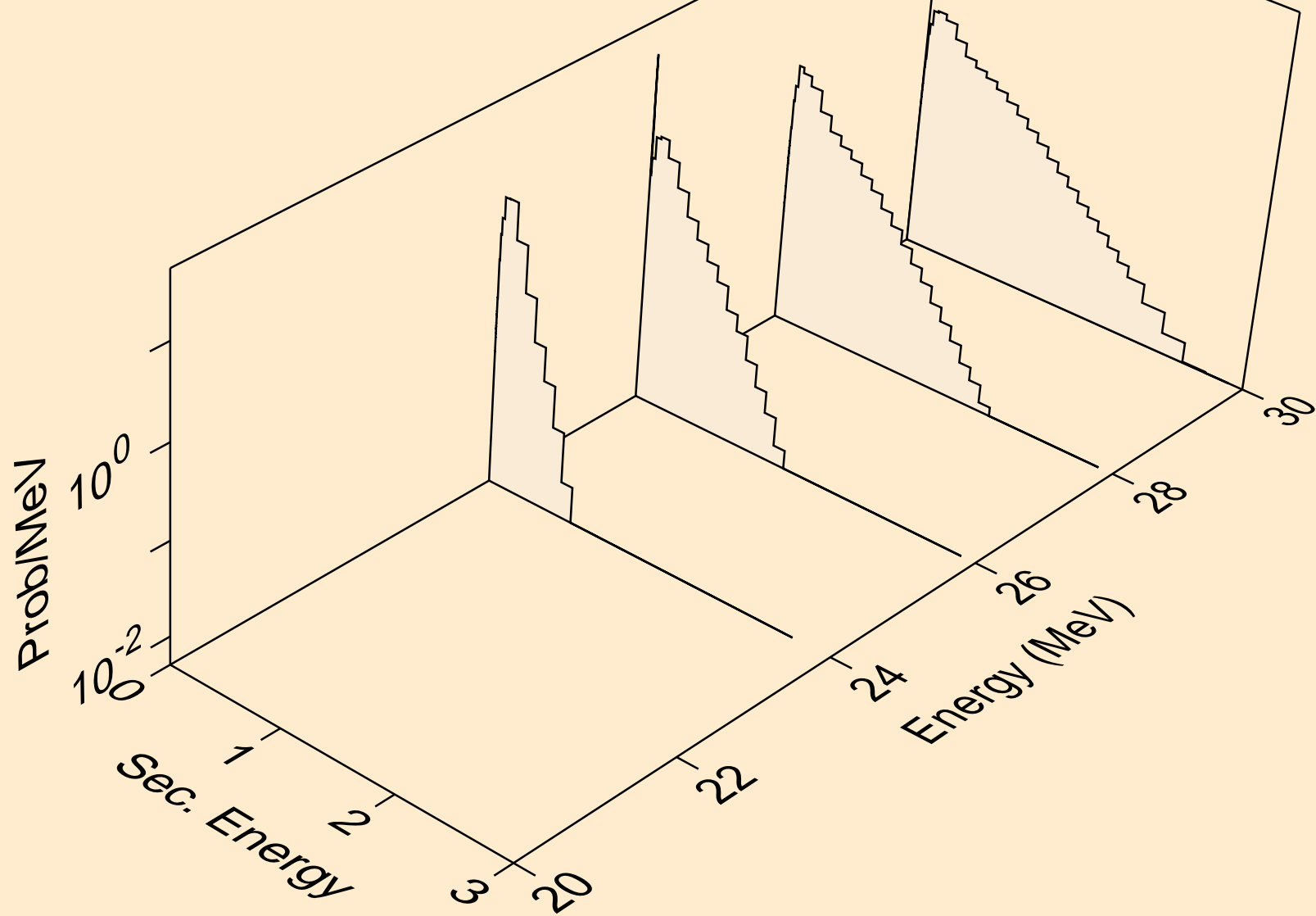
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



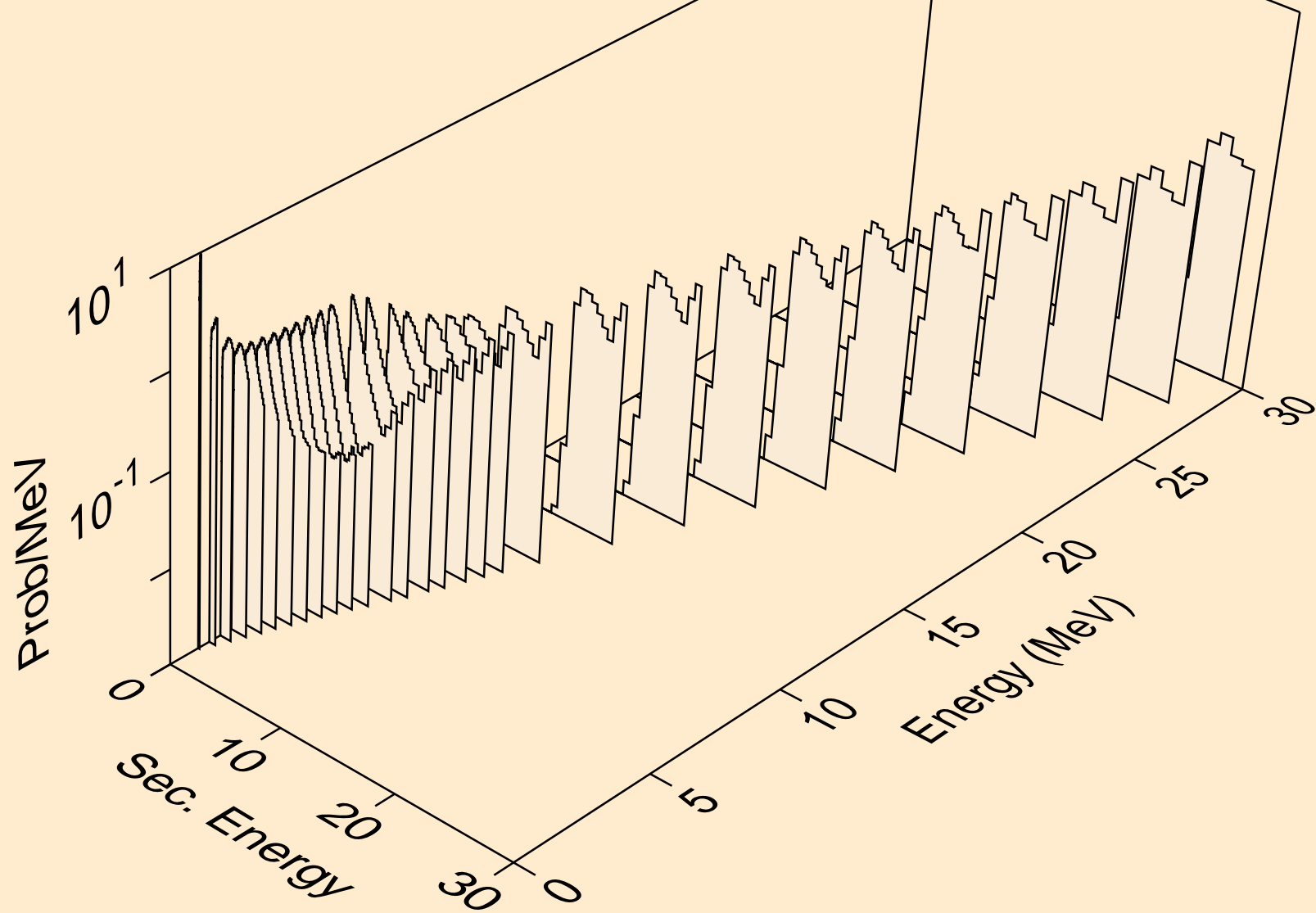
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



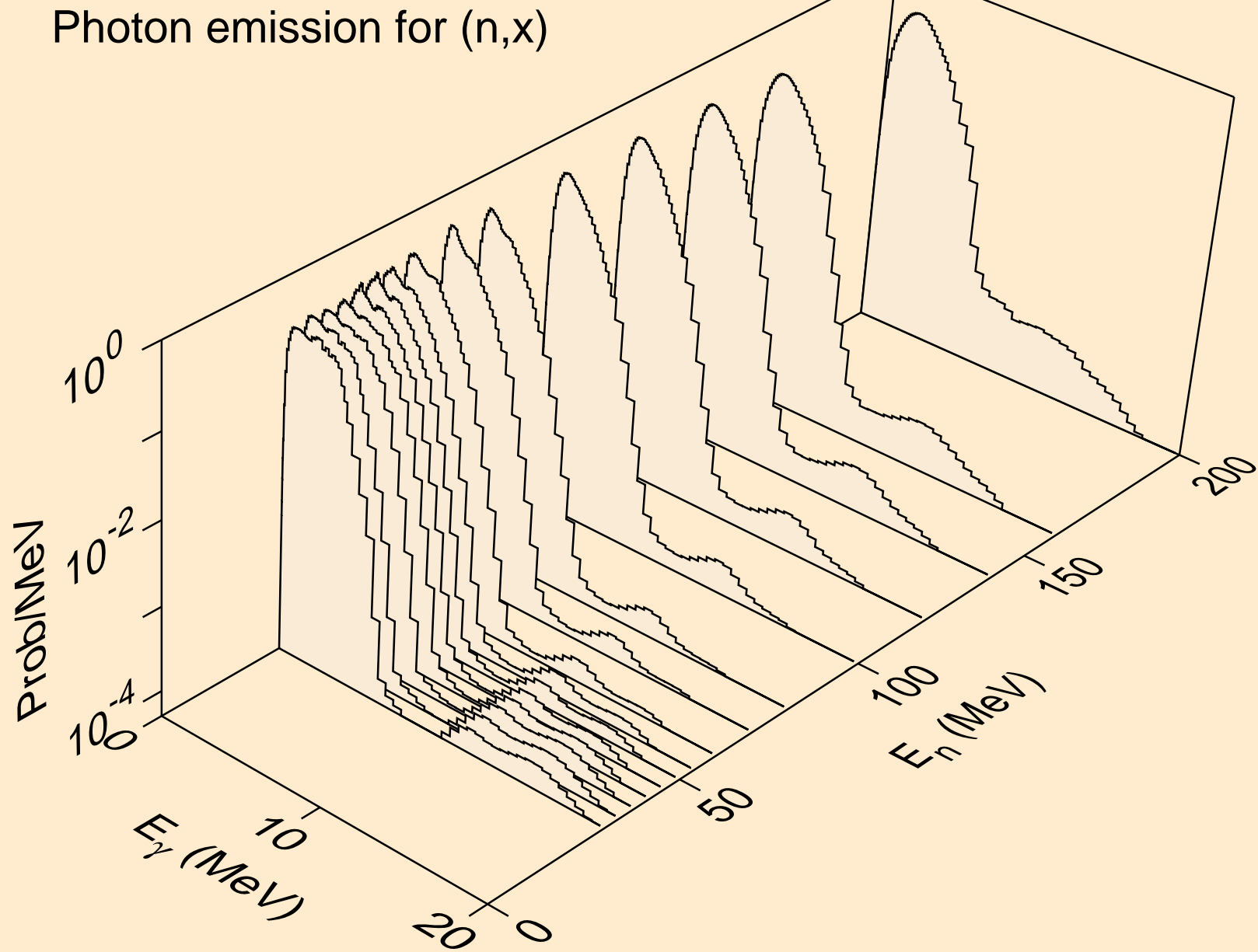
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



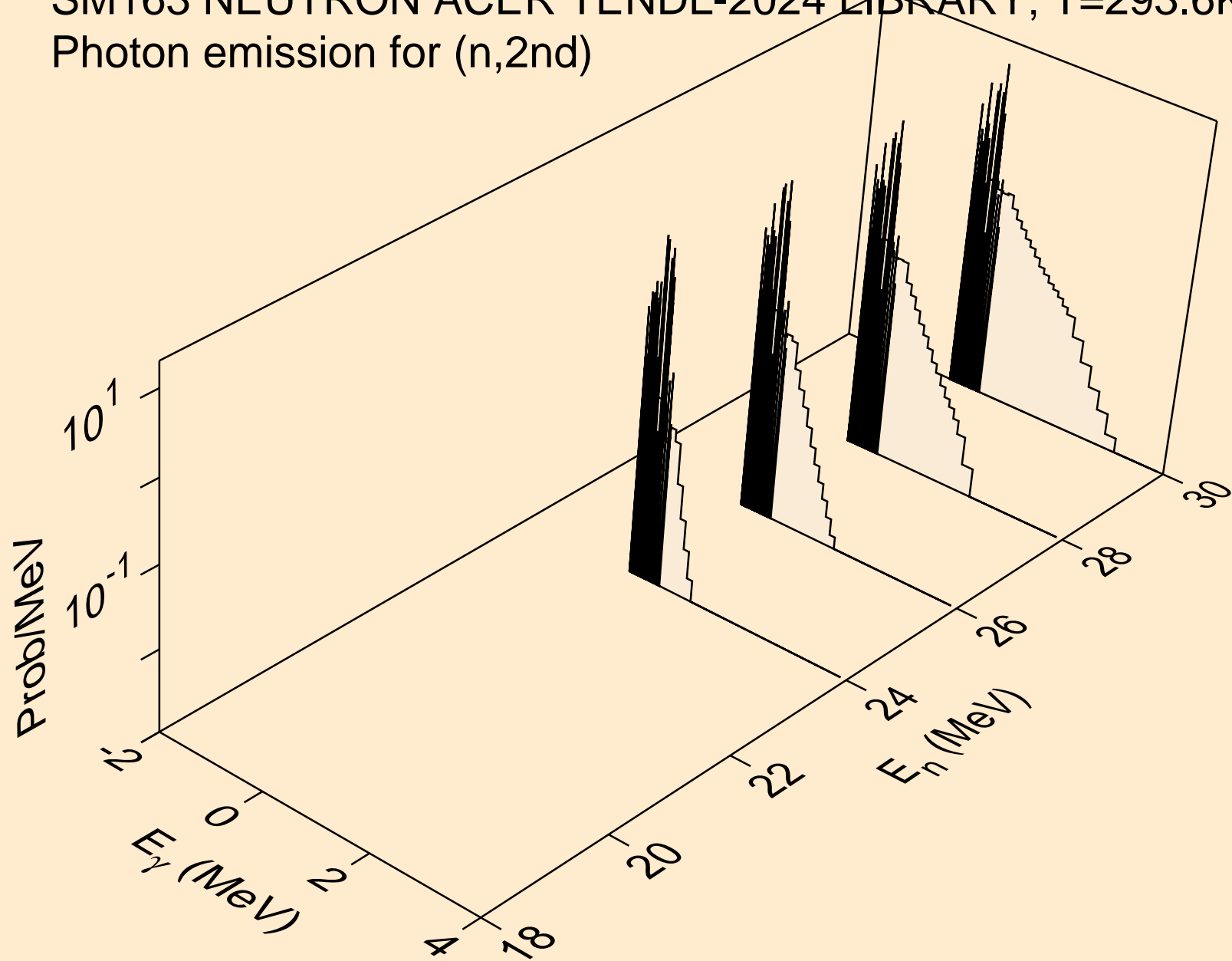
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



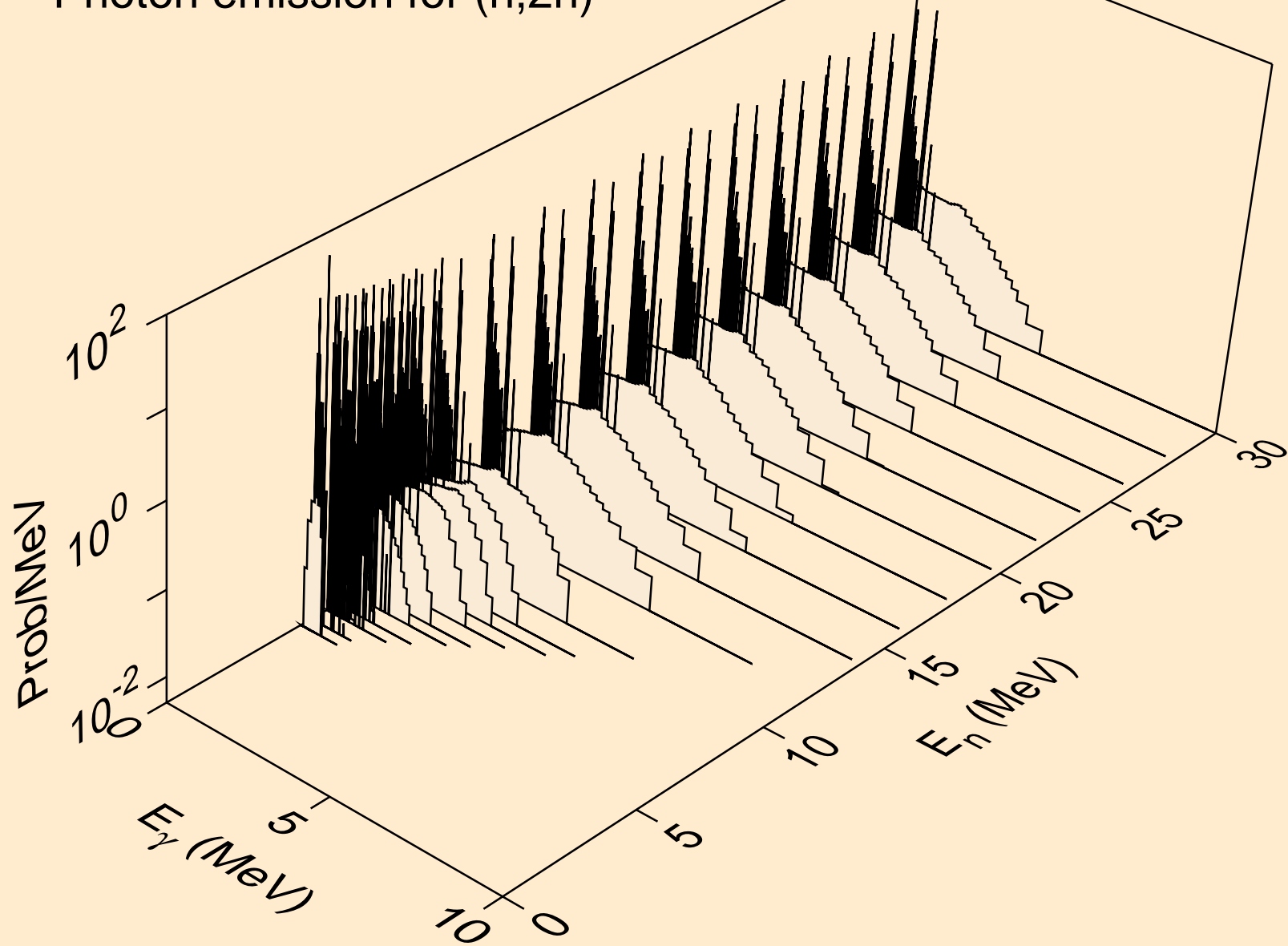
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



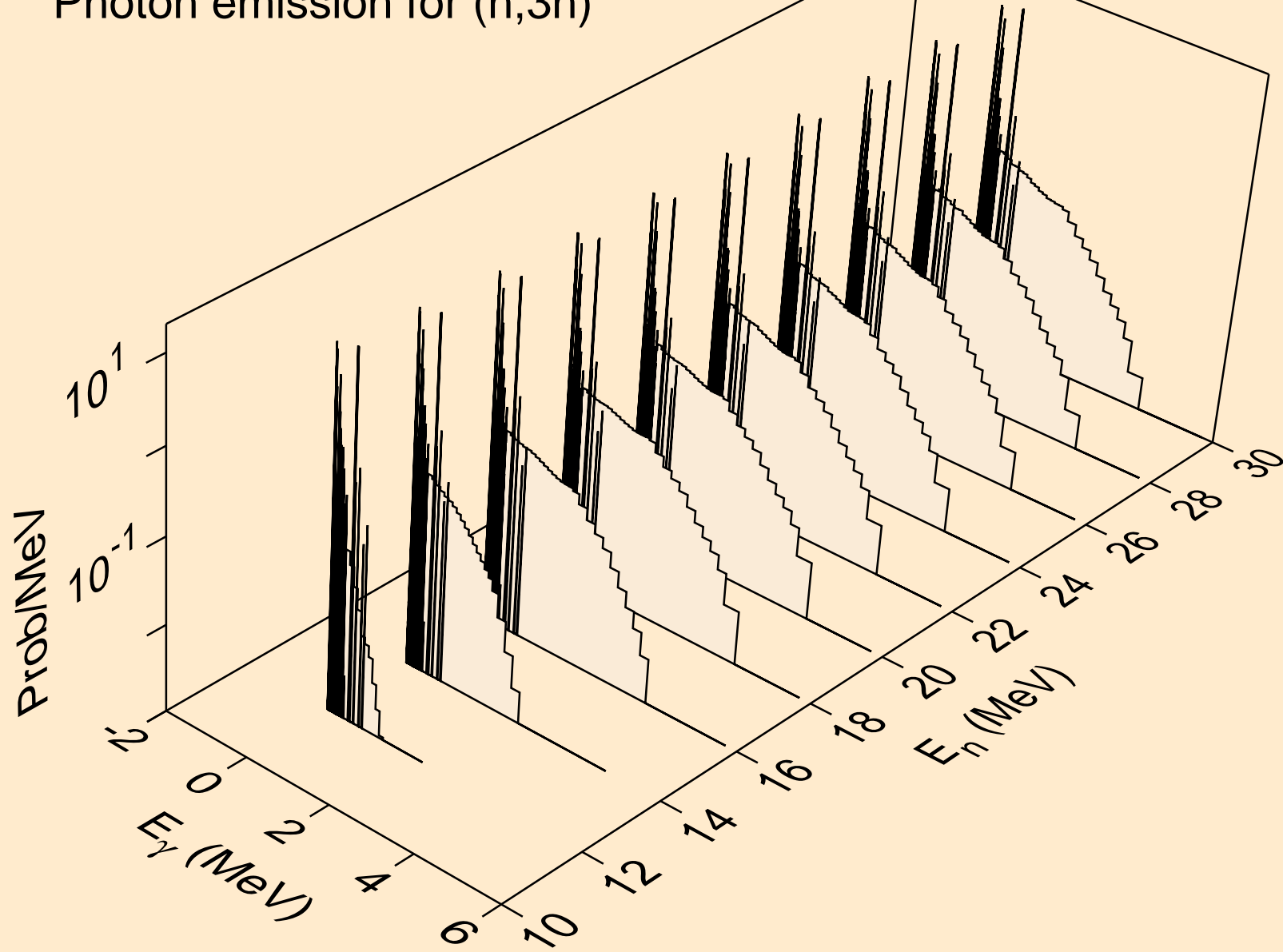
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



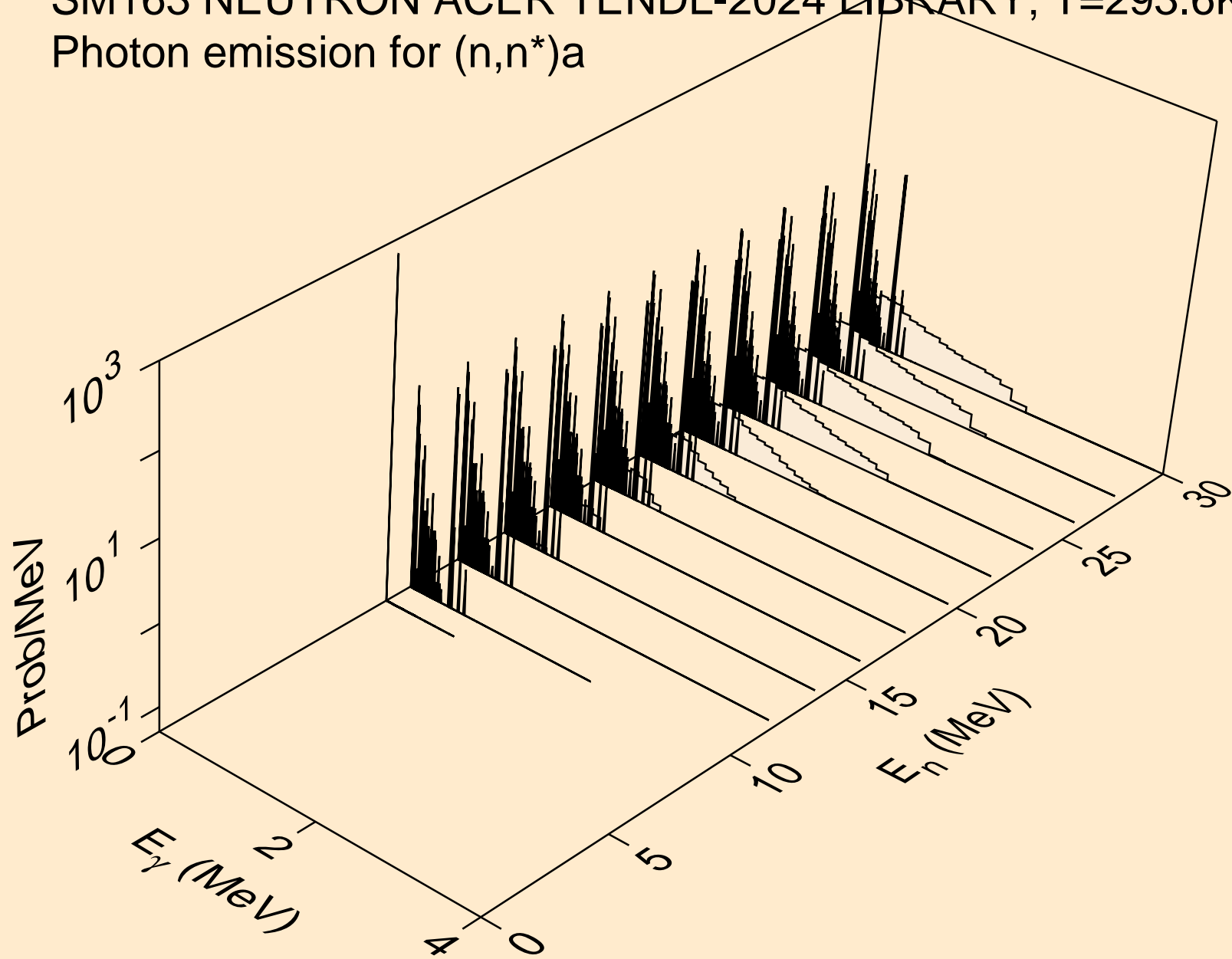
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



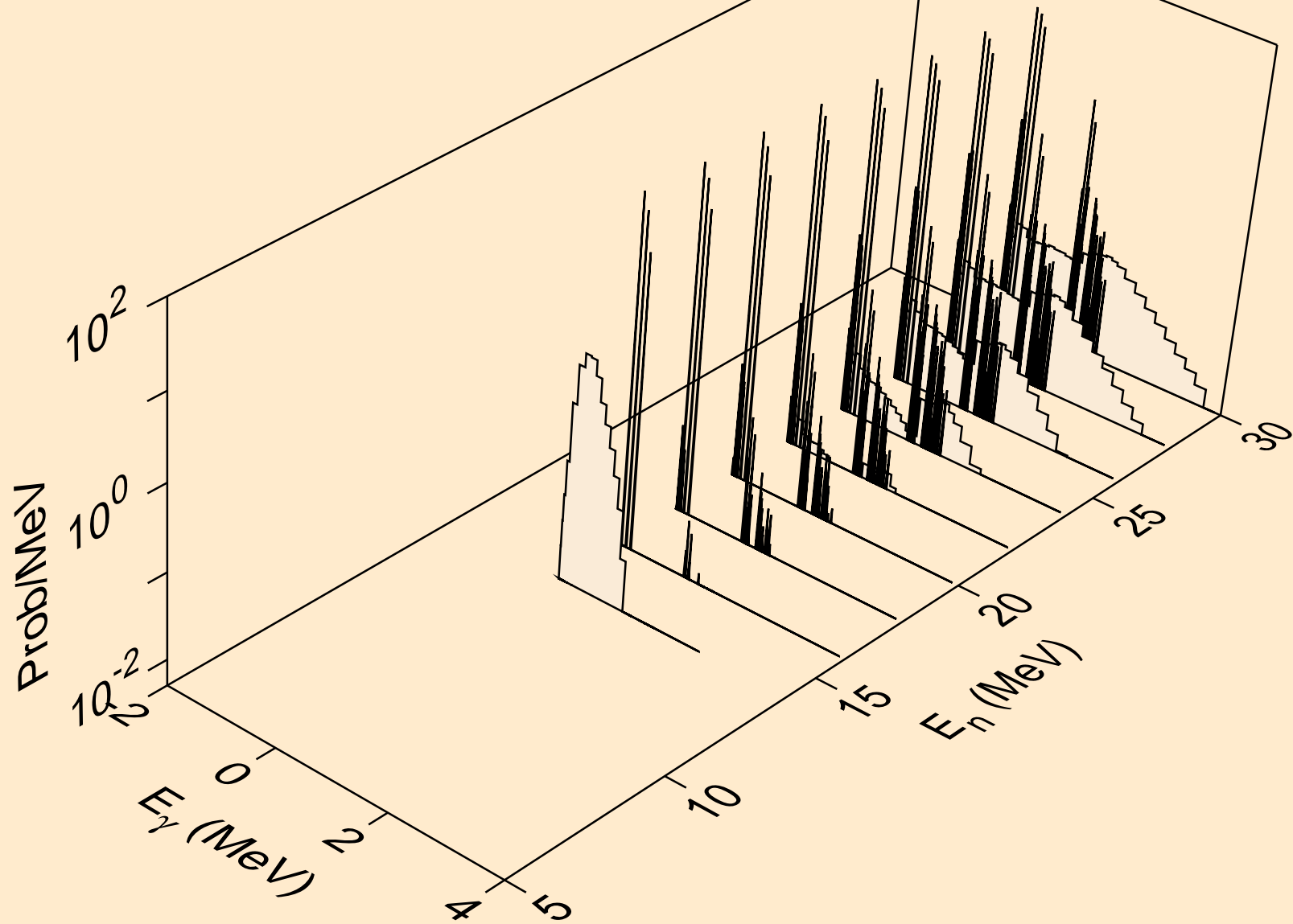
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



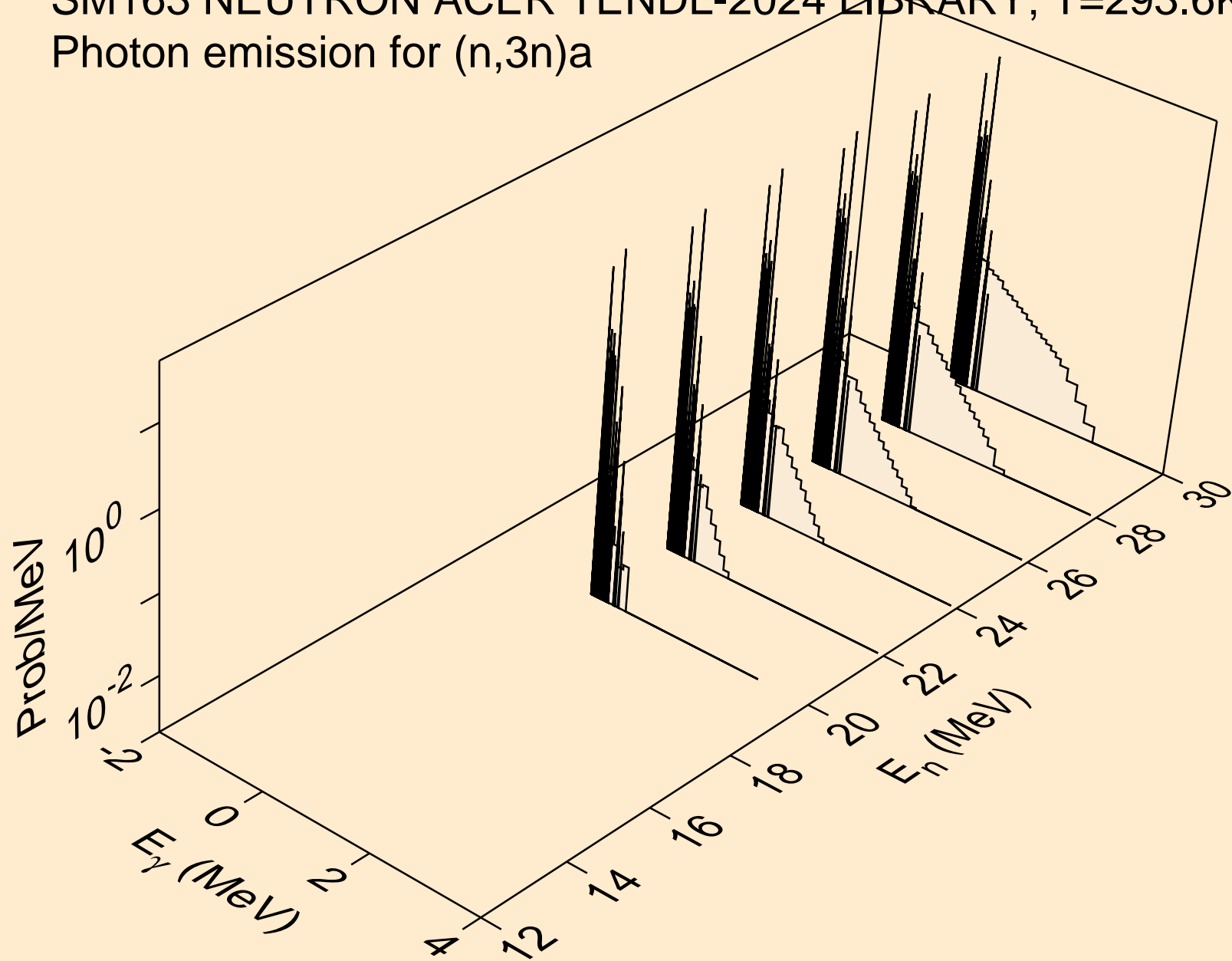
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



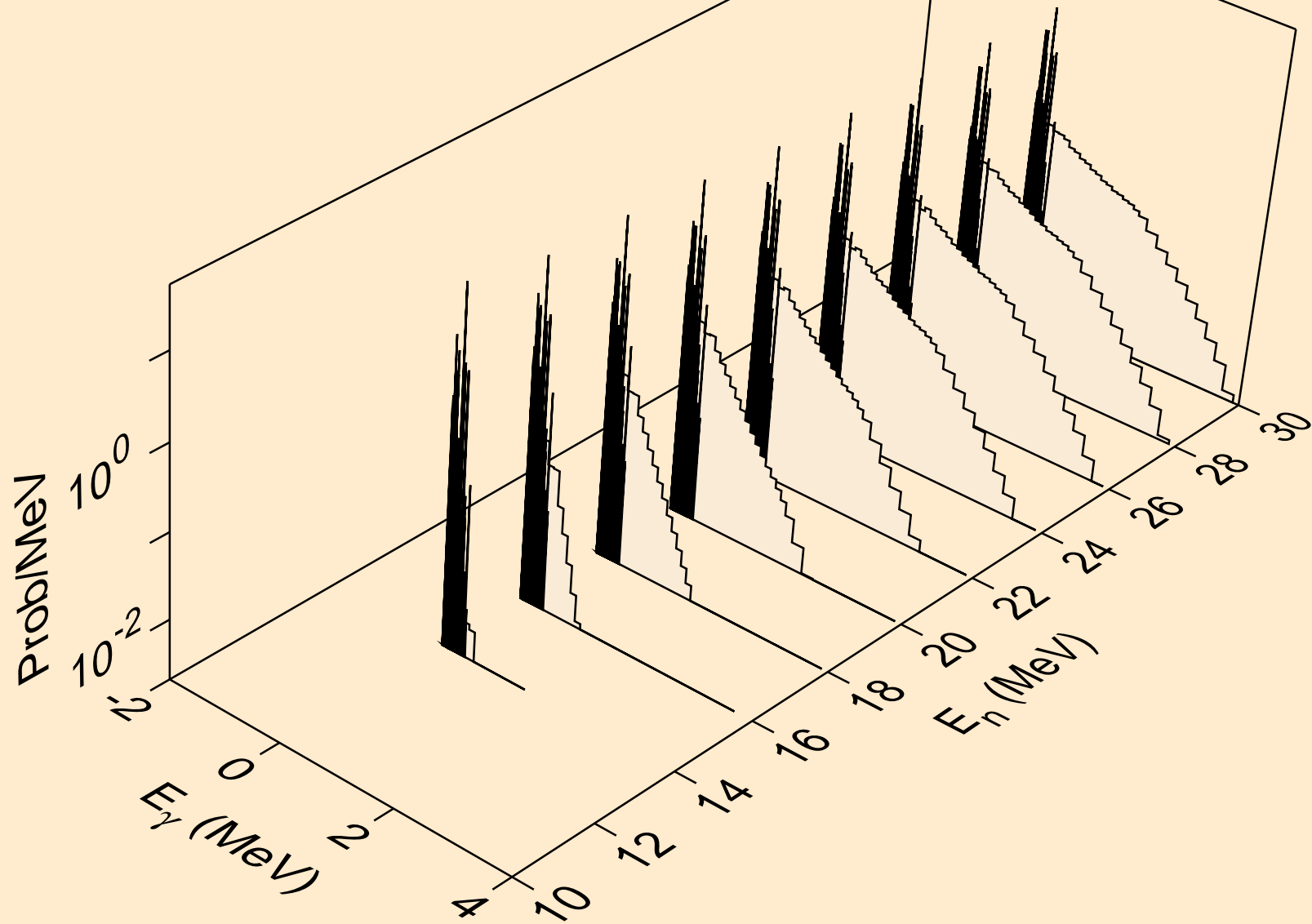
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



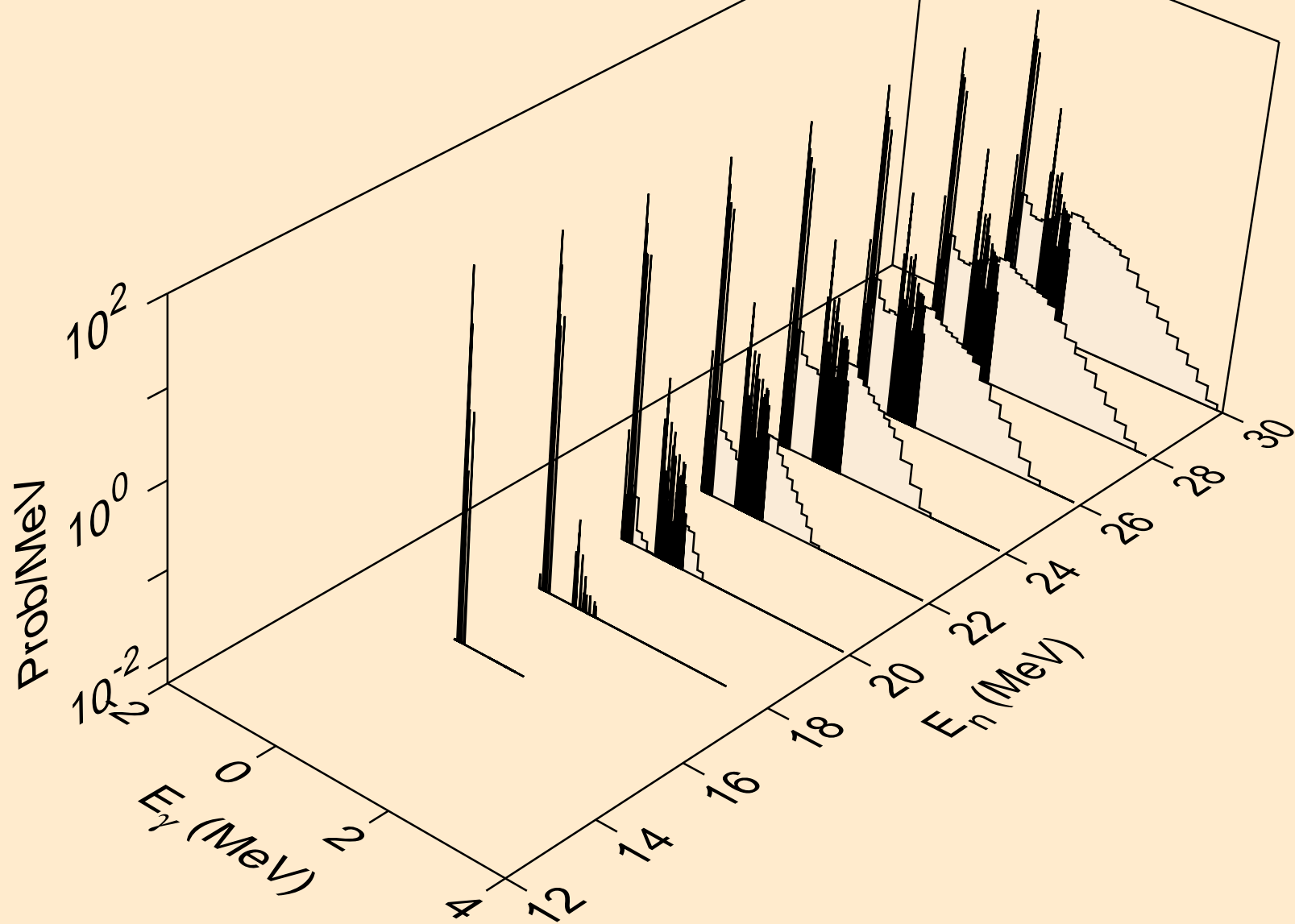
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Photon emission for (n,3n)a



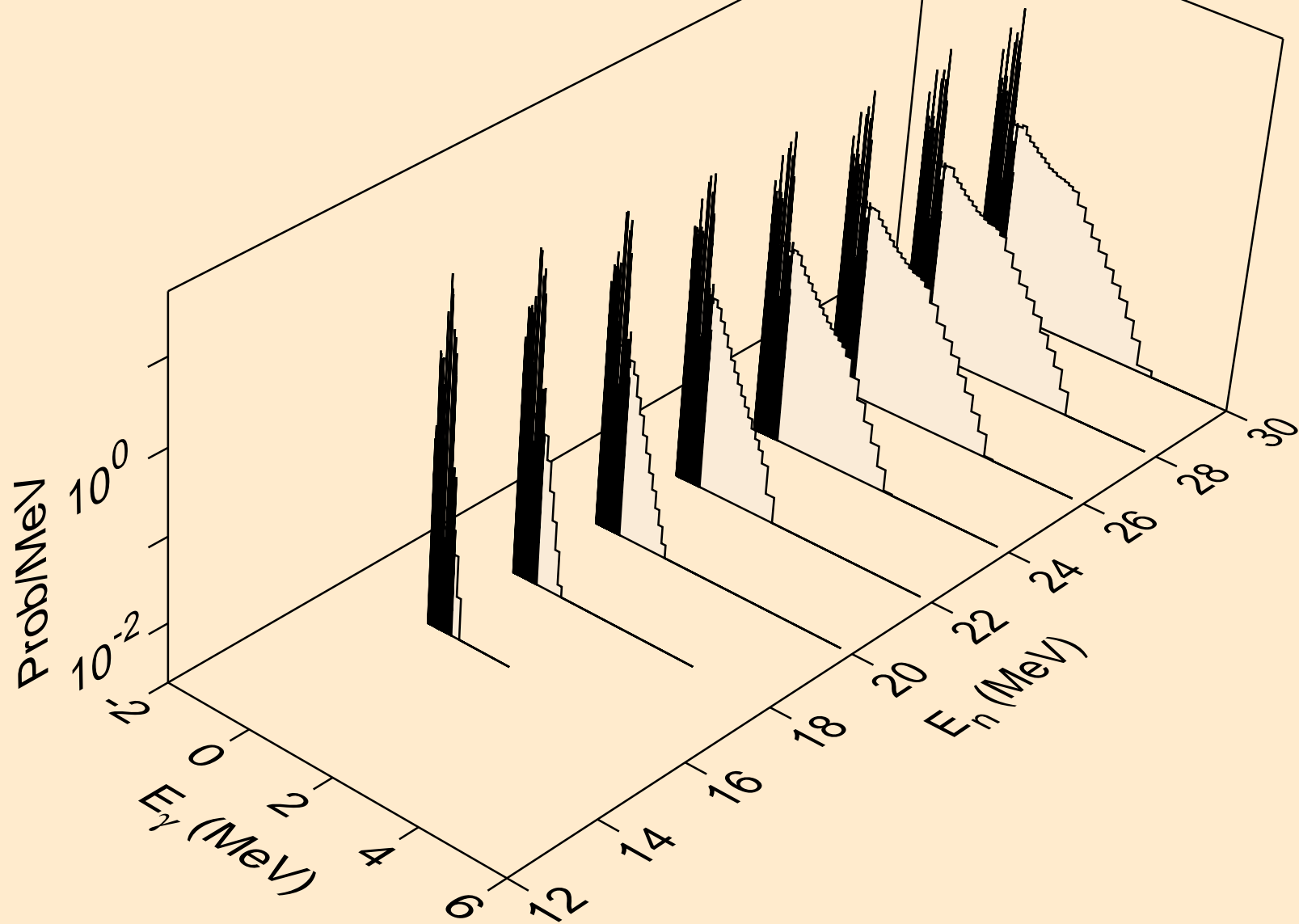
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



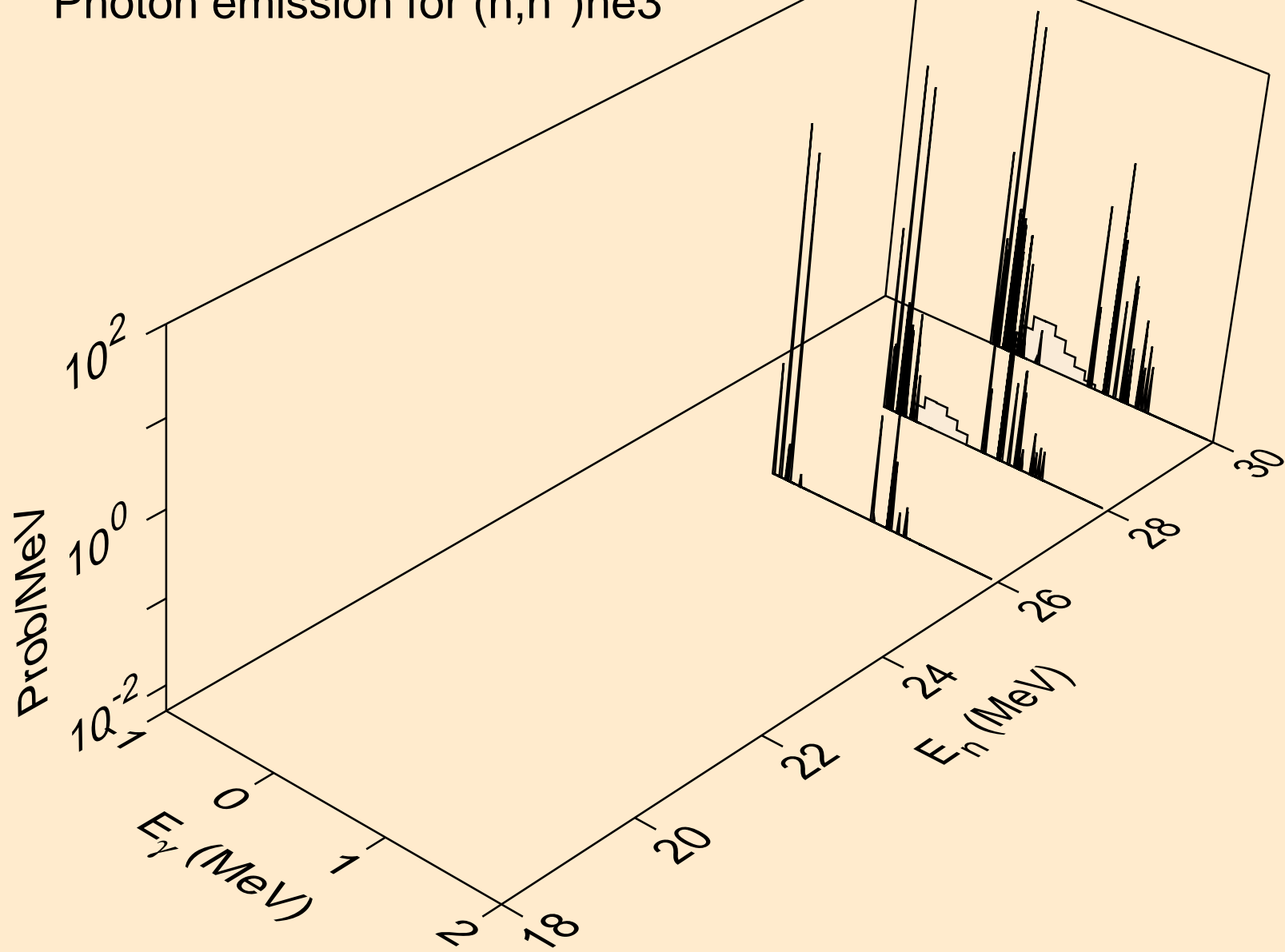
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



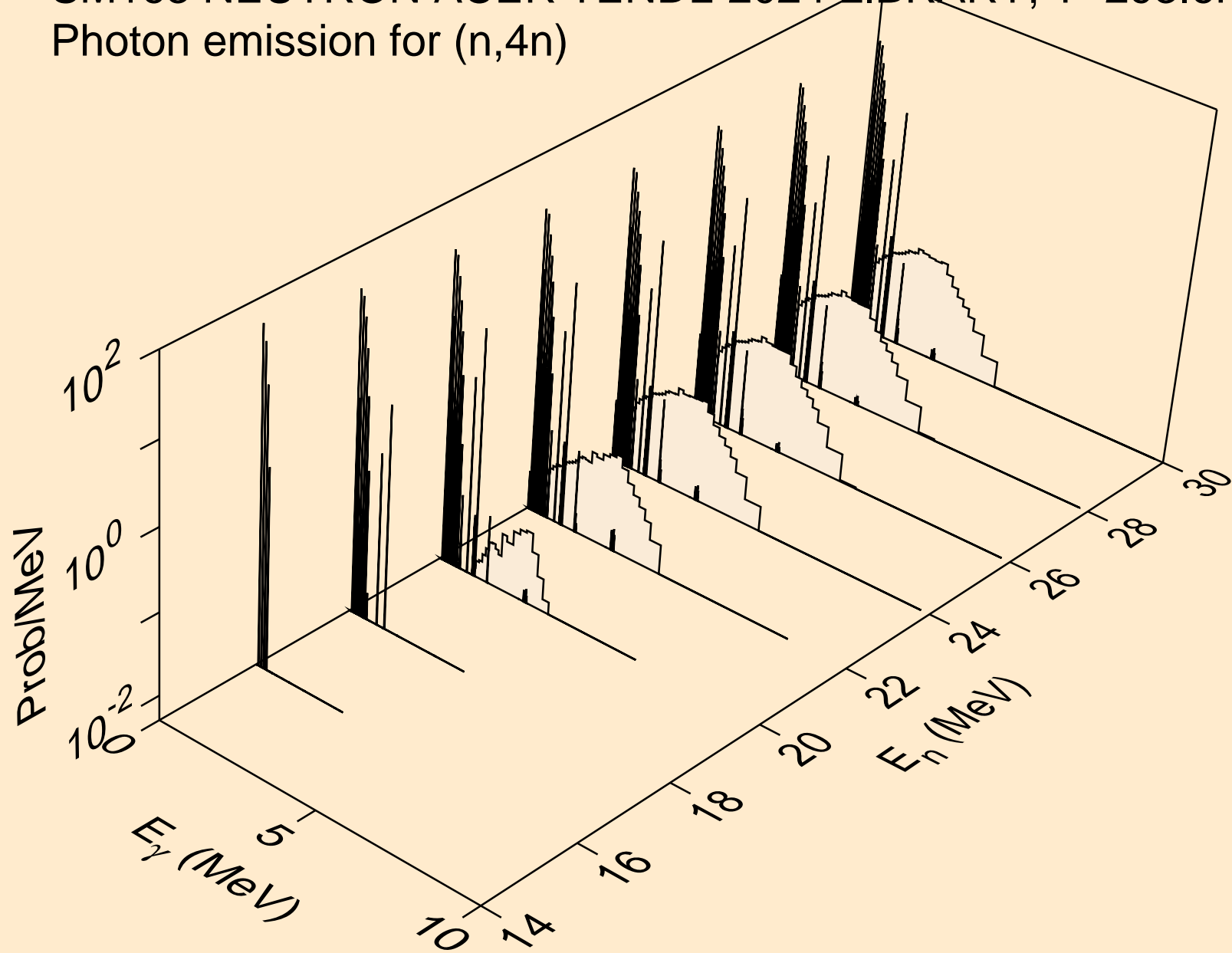
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



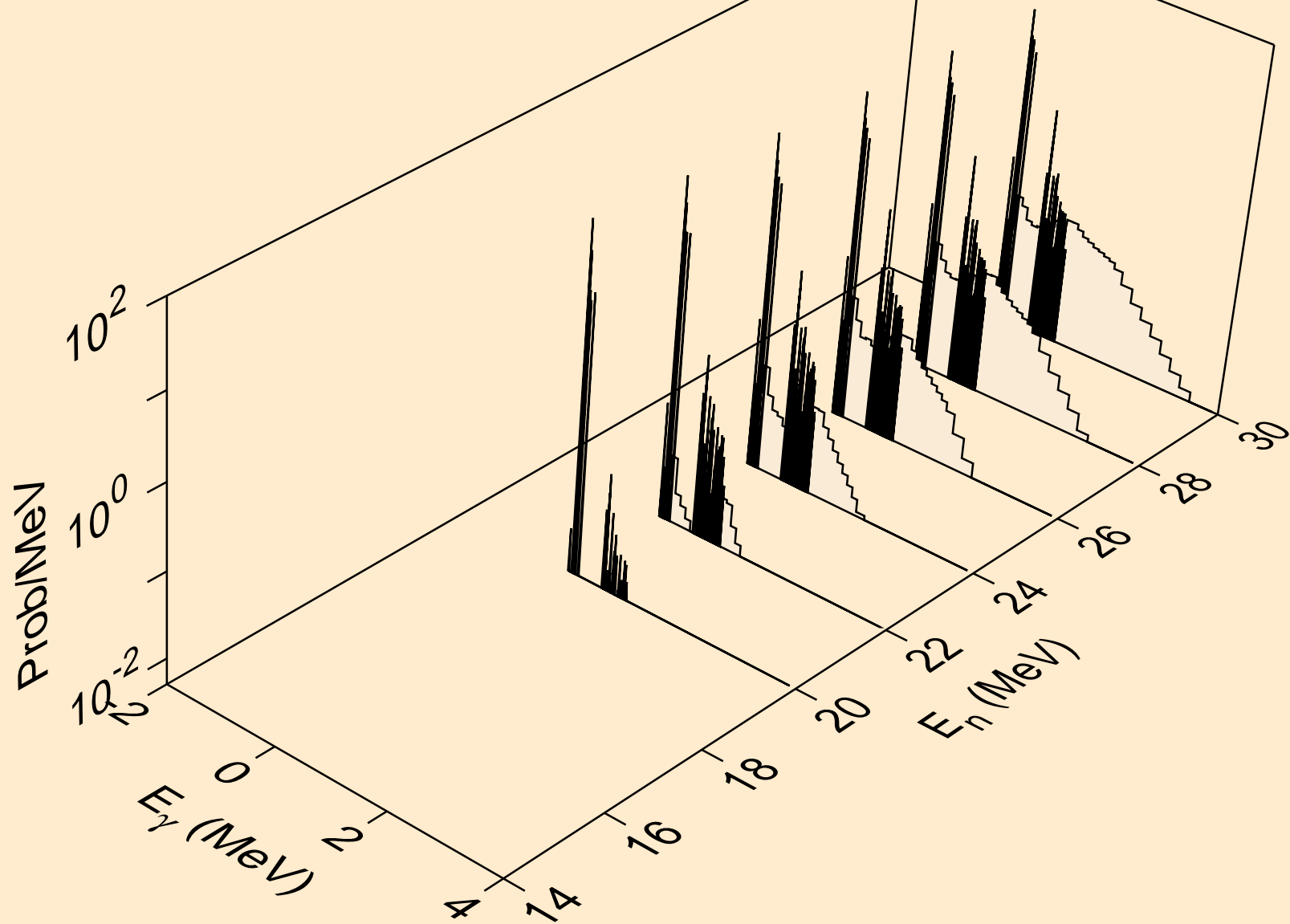
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



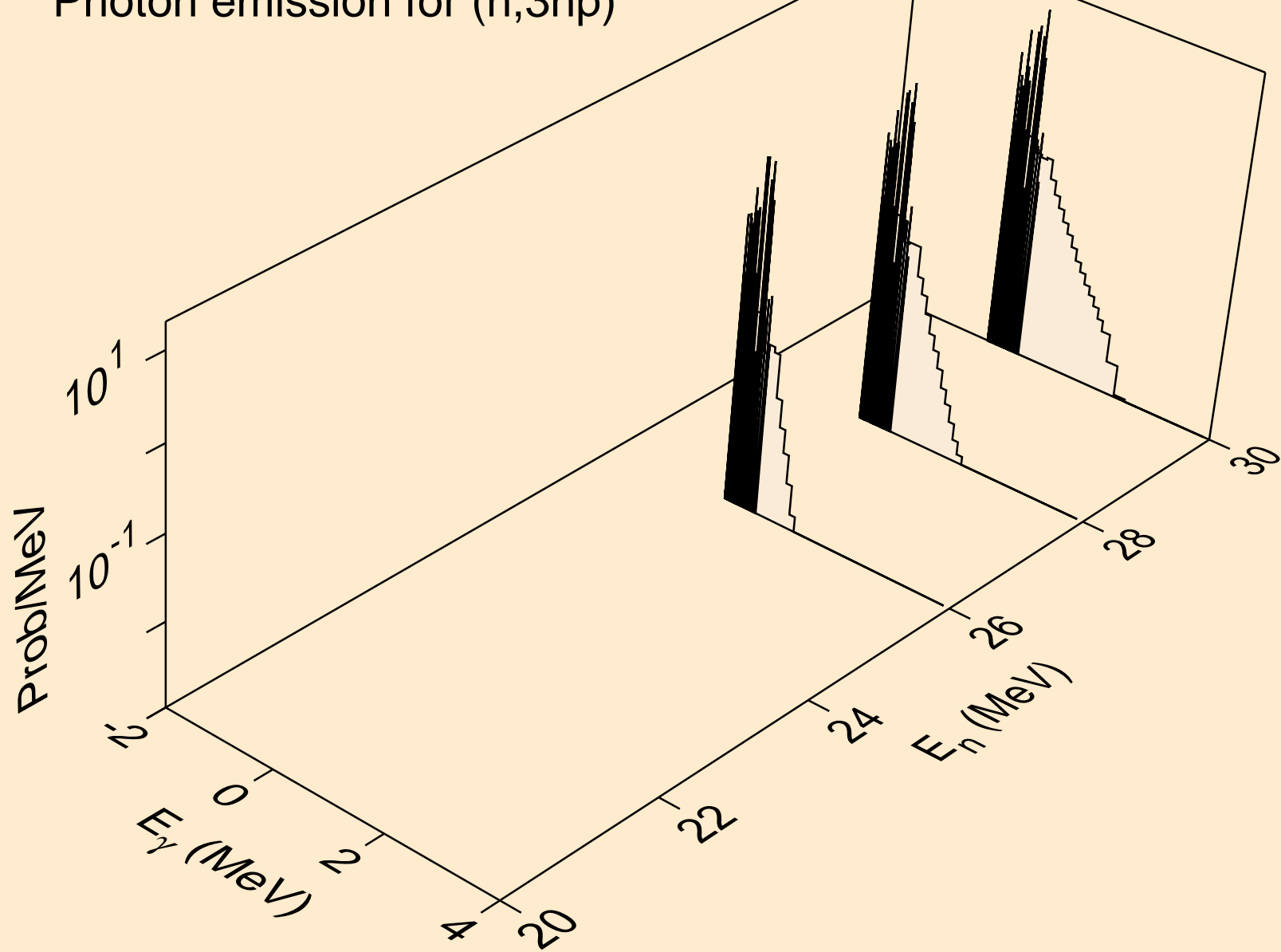
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



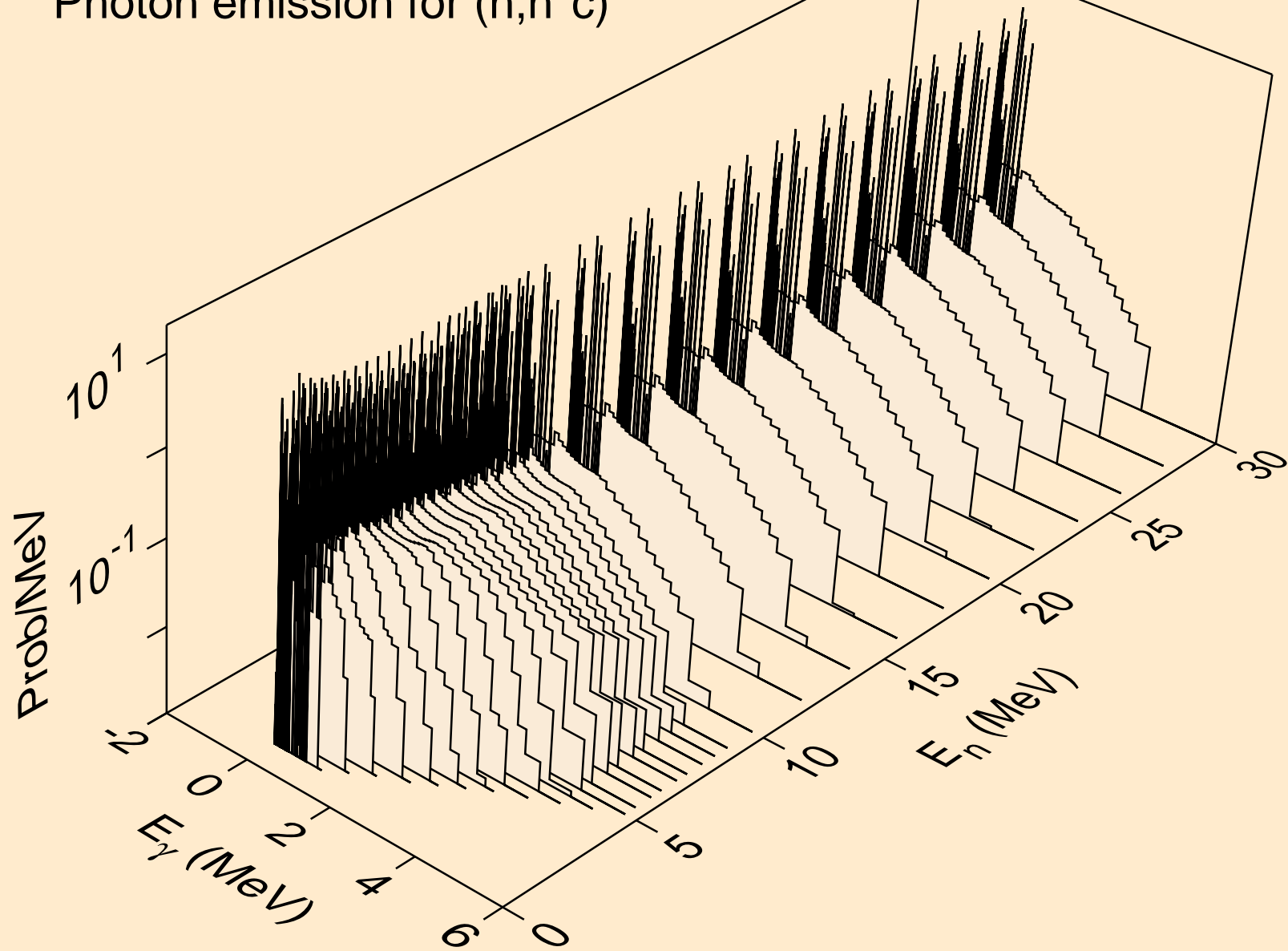
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Photon emission for (n,2np)



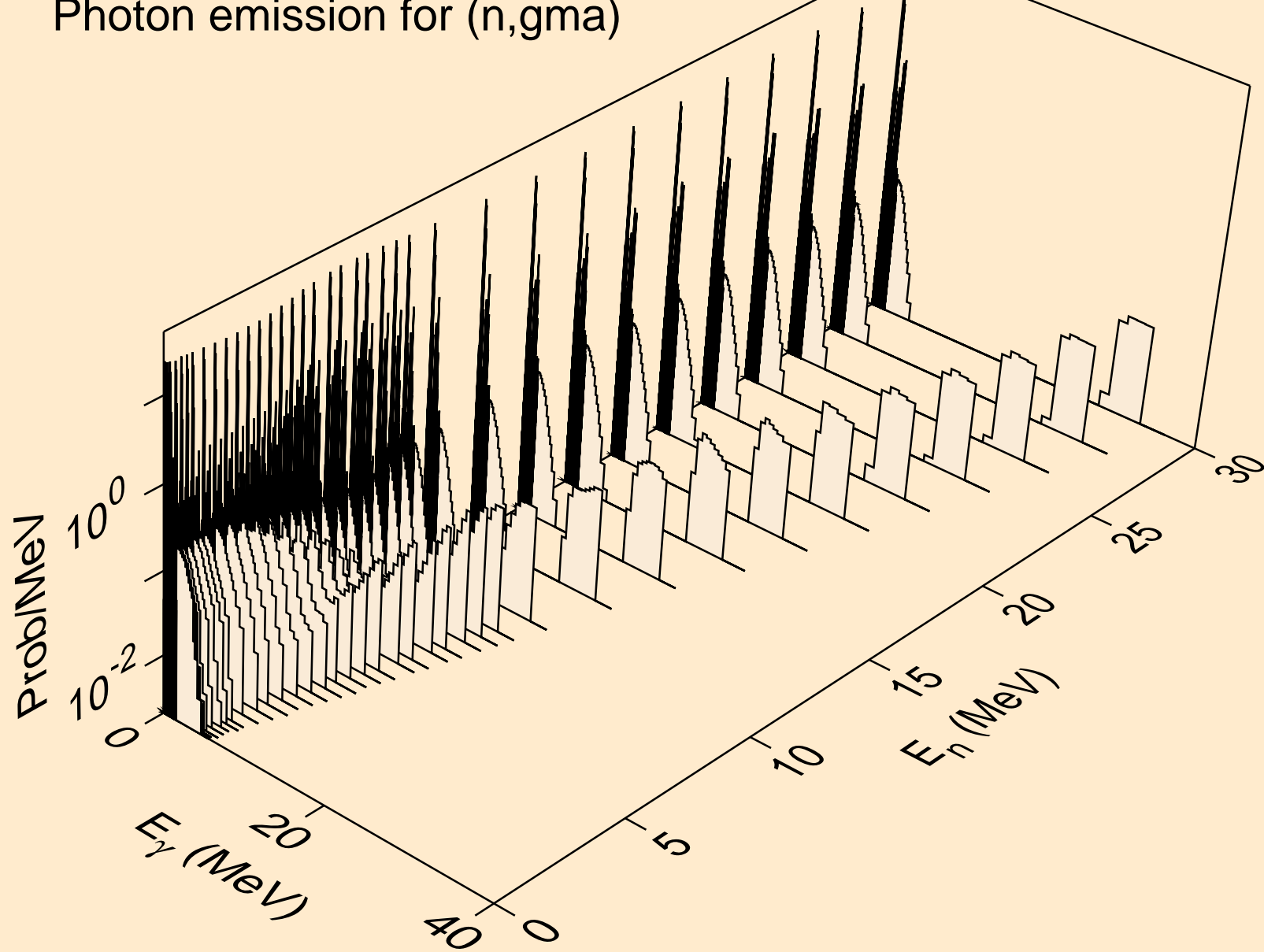
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Photon emission for (n,3np)



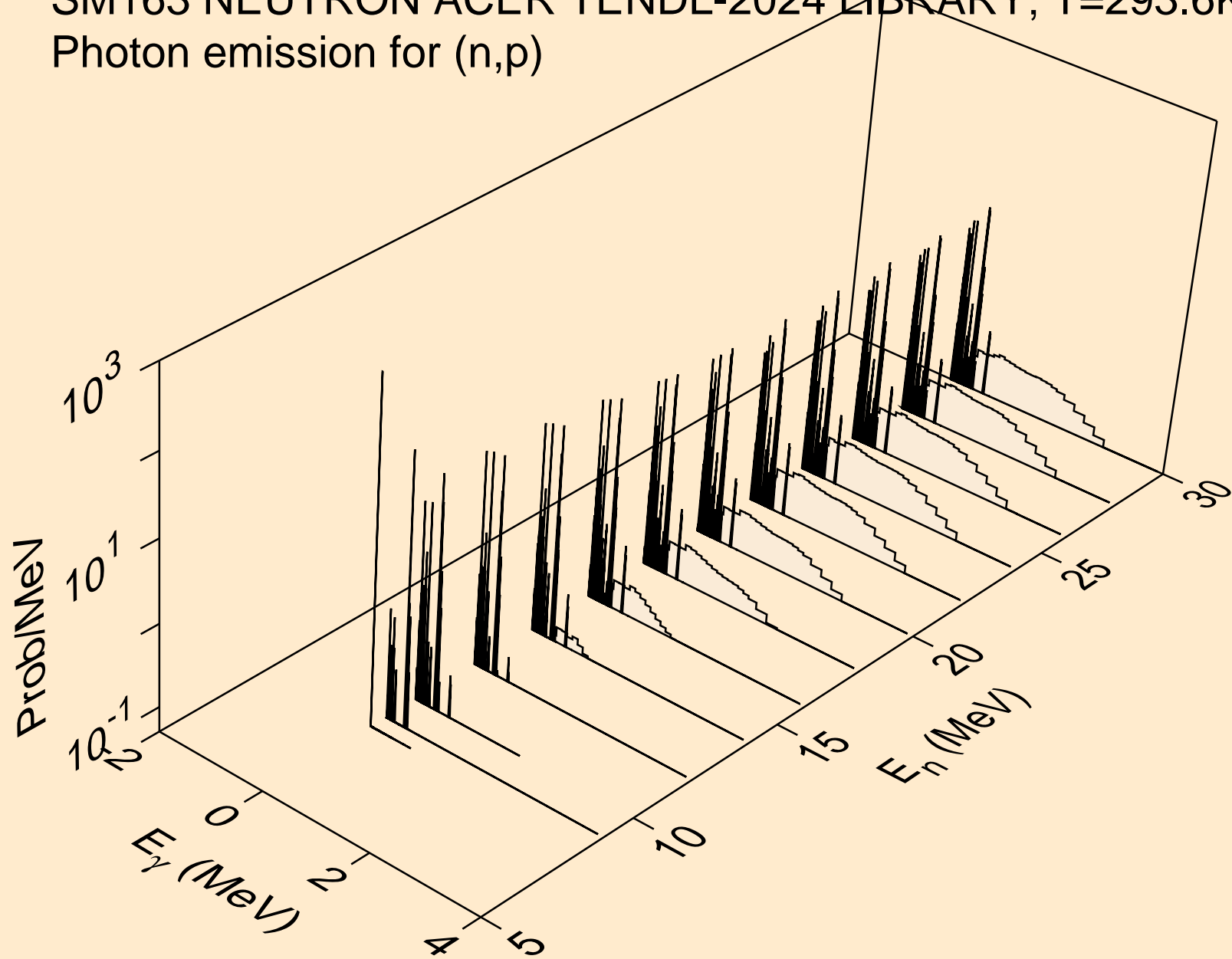
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Photon emission for (n,n\*c)



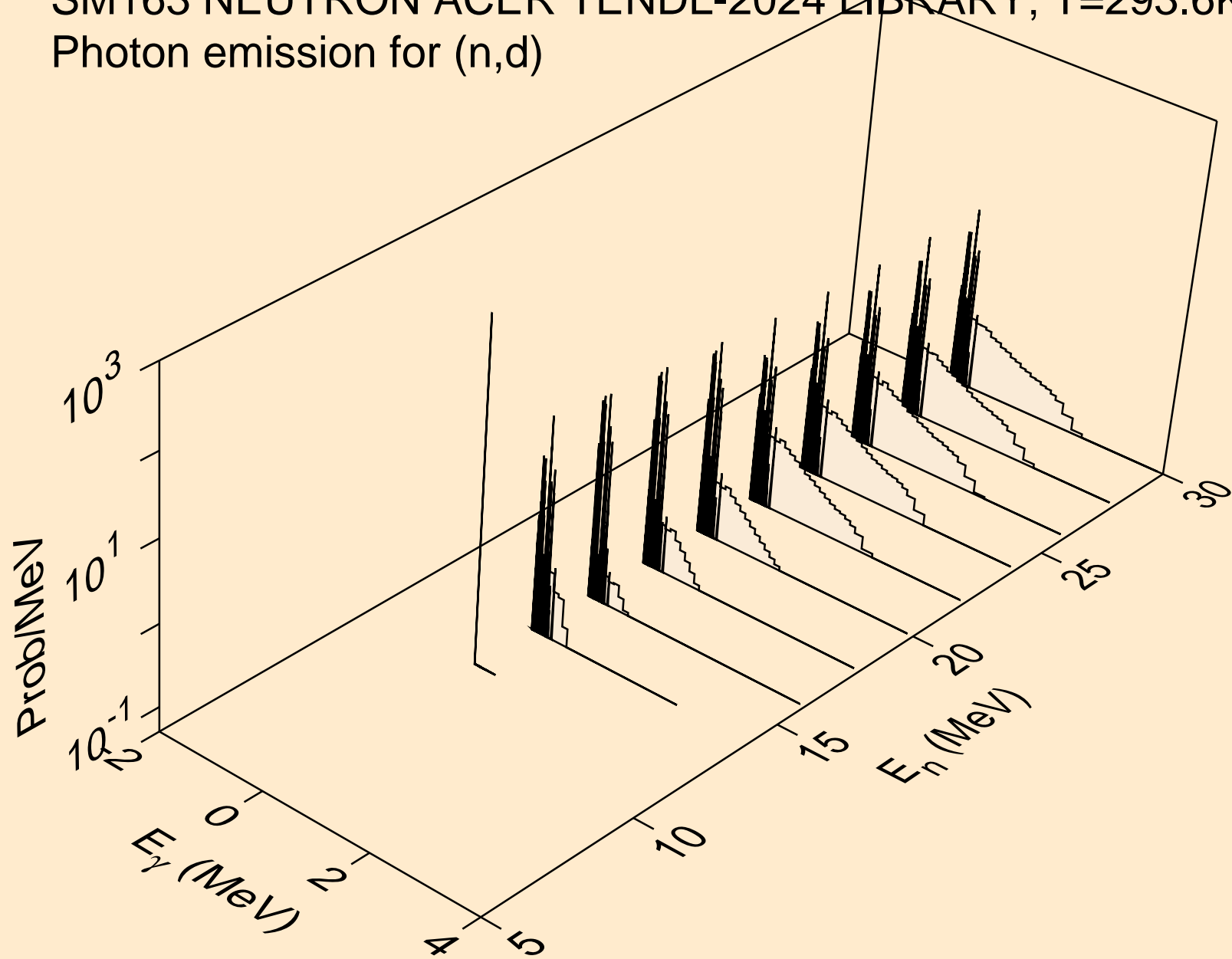
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Photon emission for (n,gma)



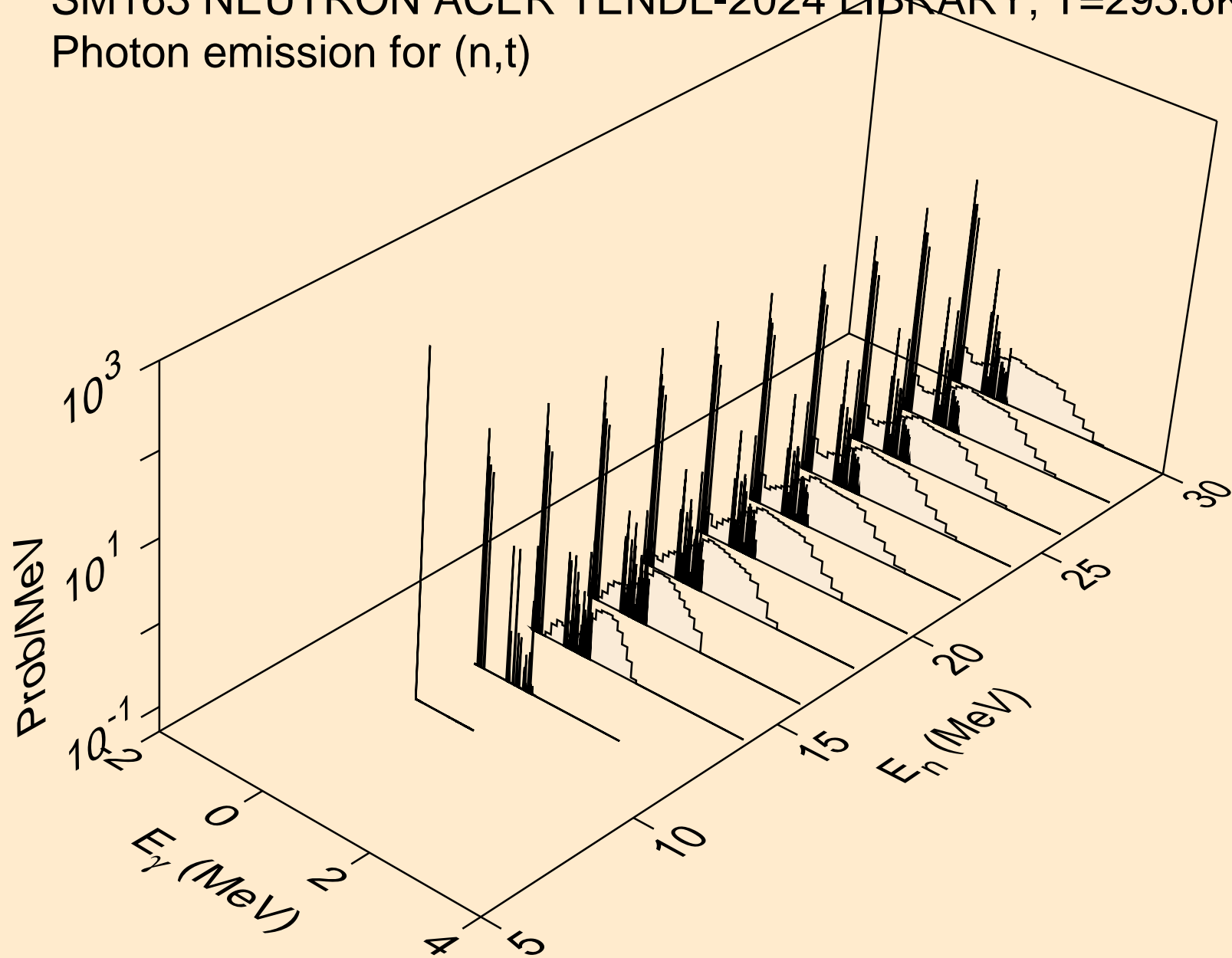
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Photon emission for (n,p)



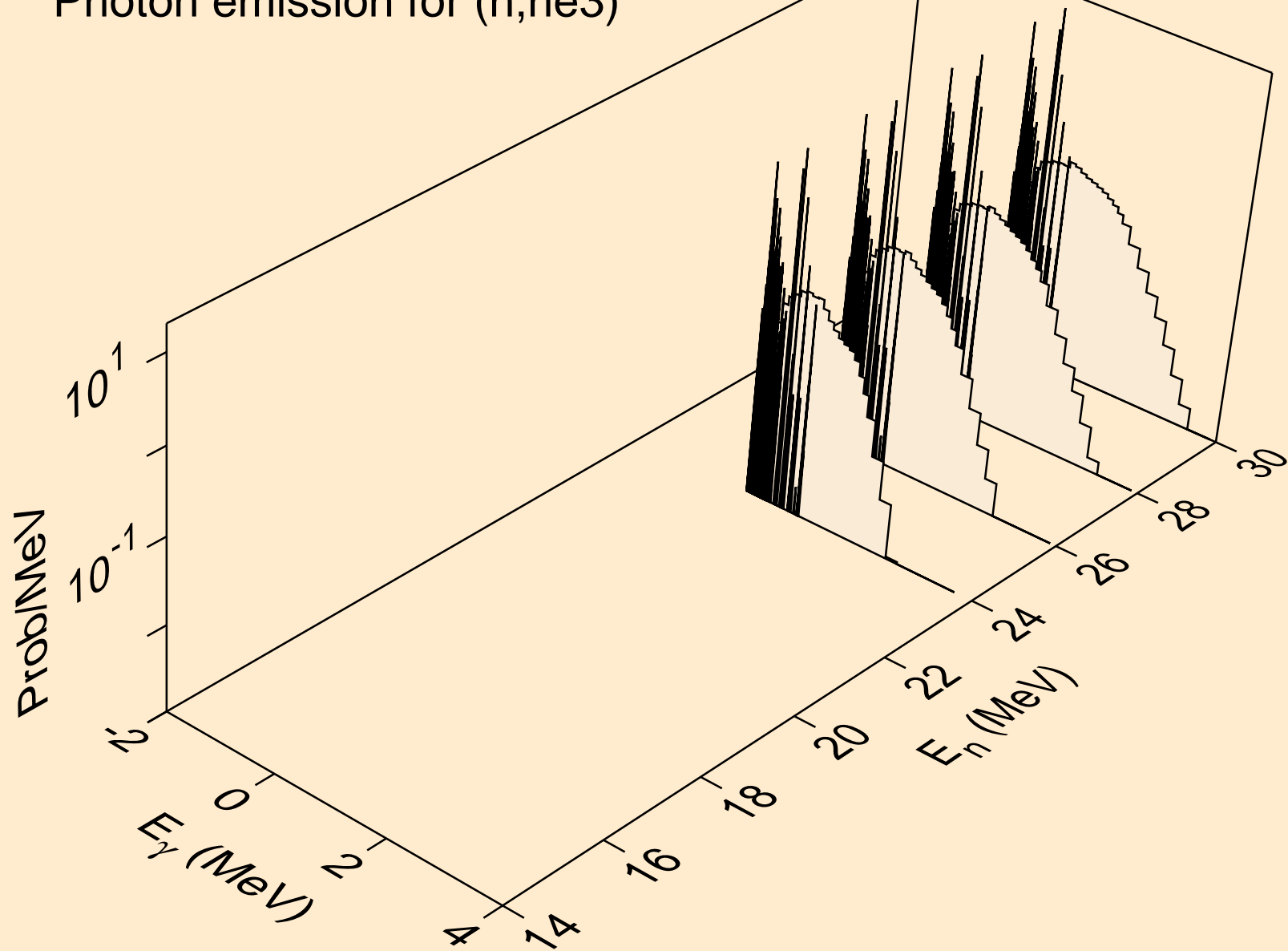
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



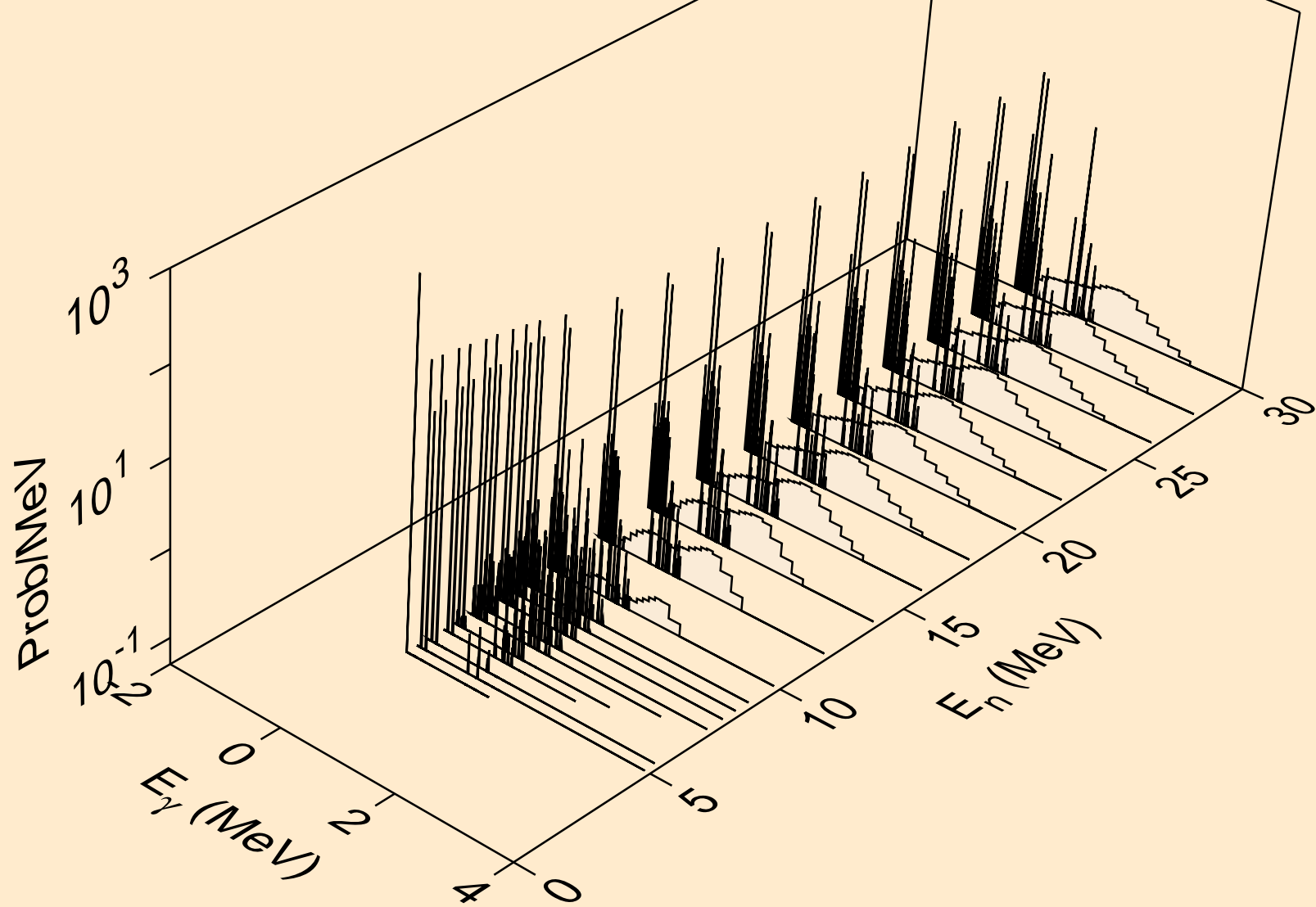
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



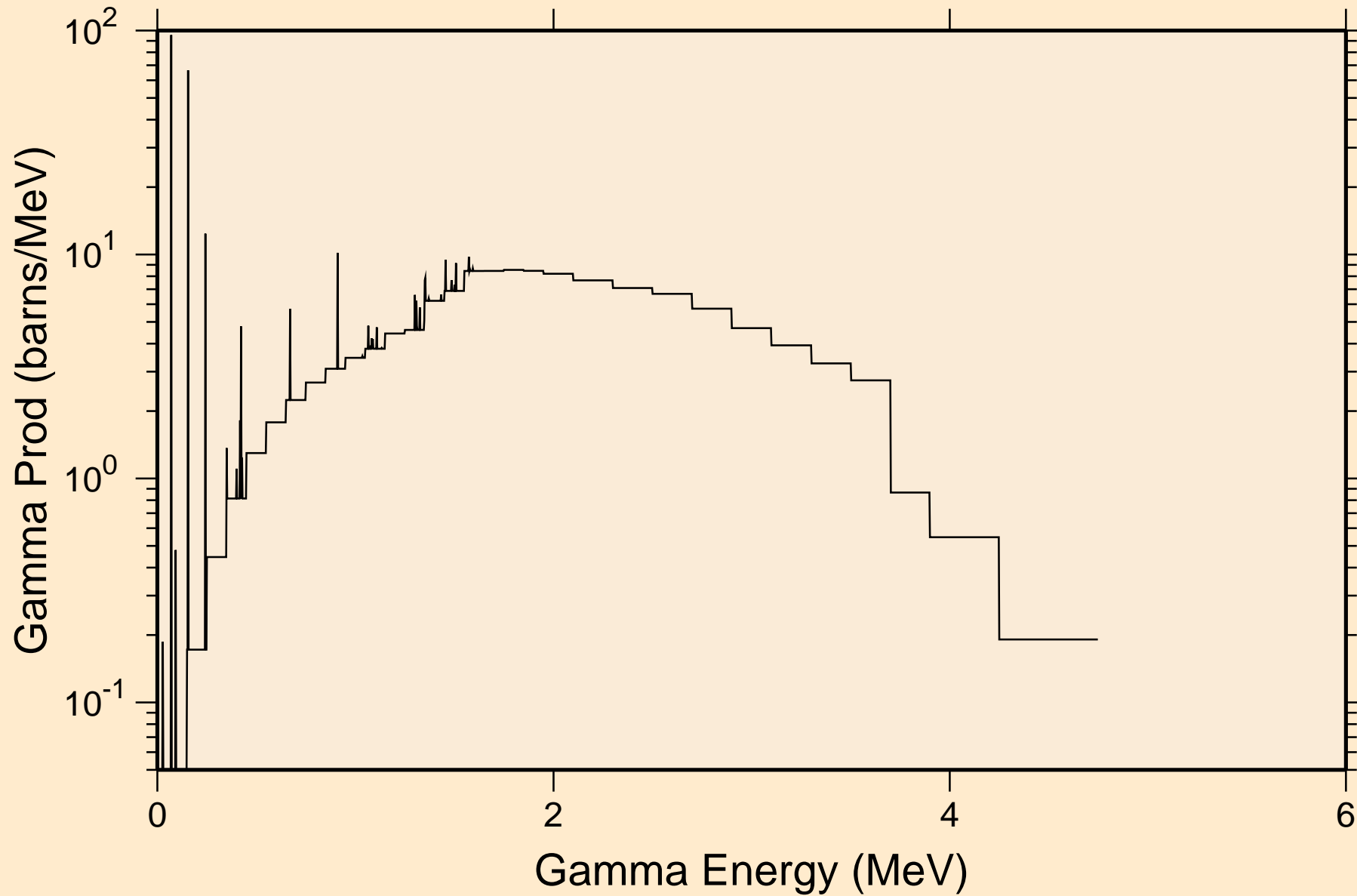
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



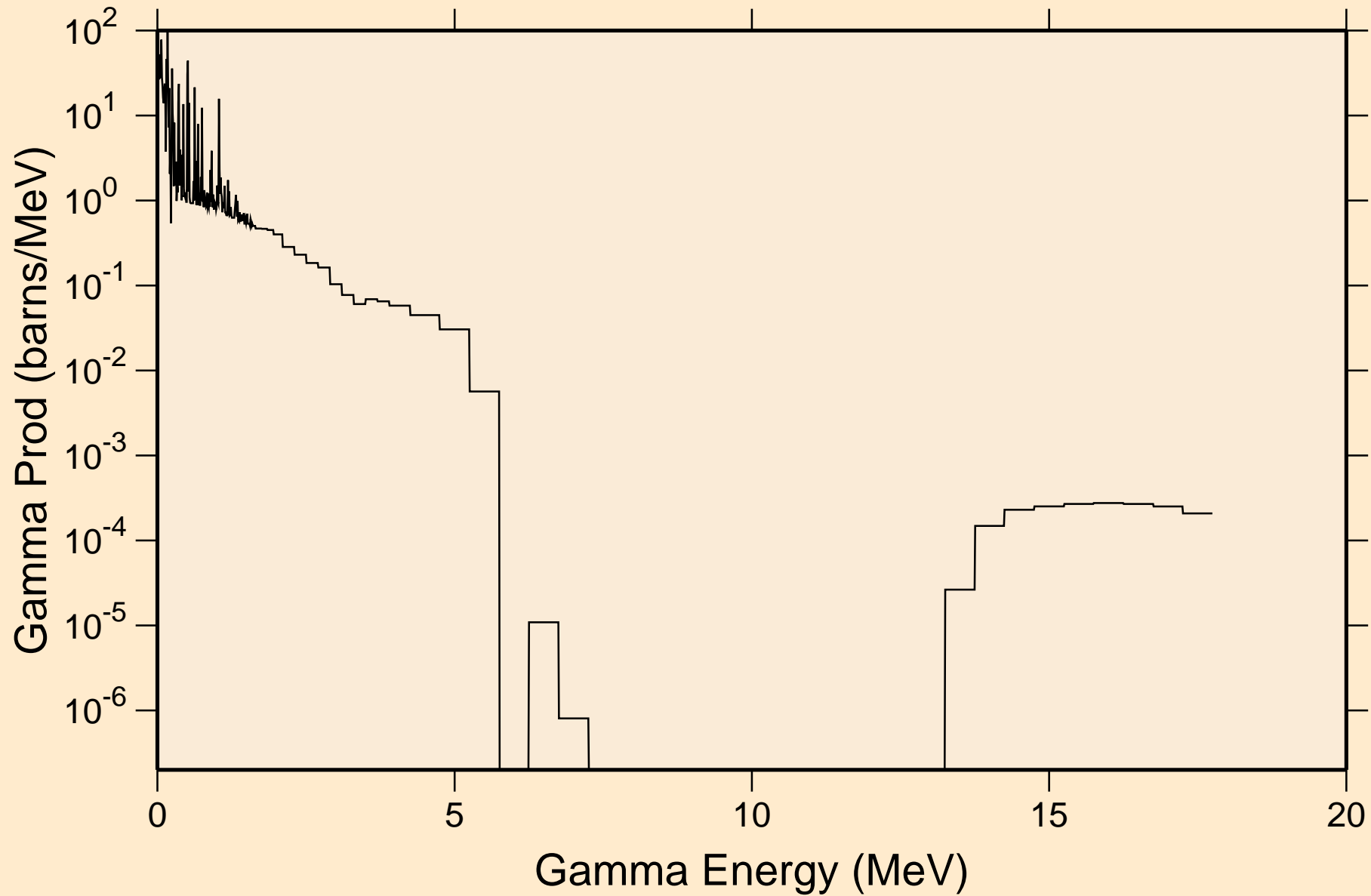
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



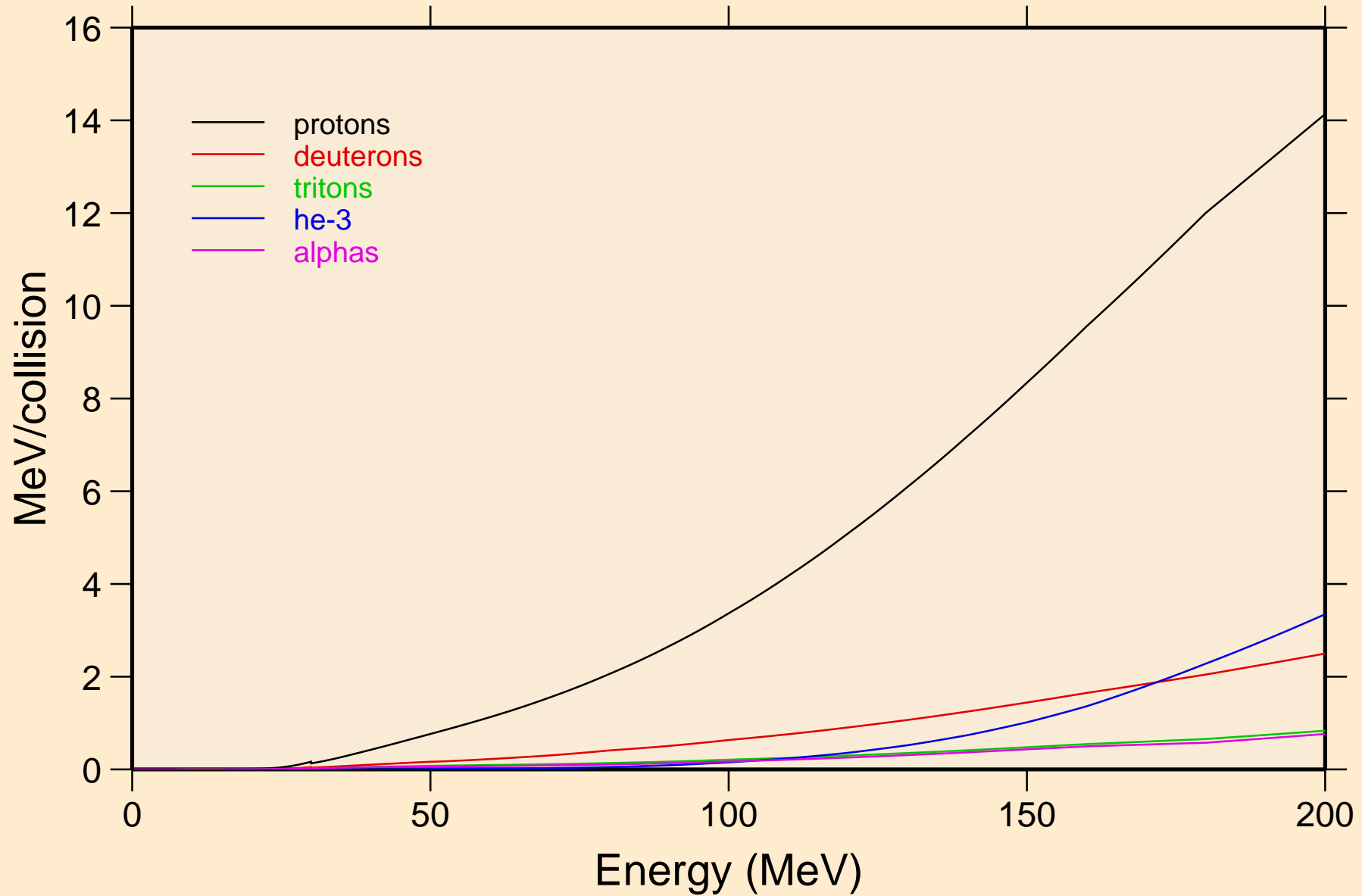
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



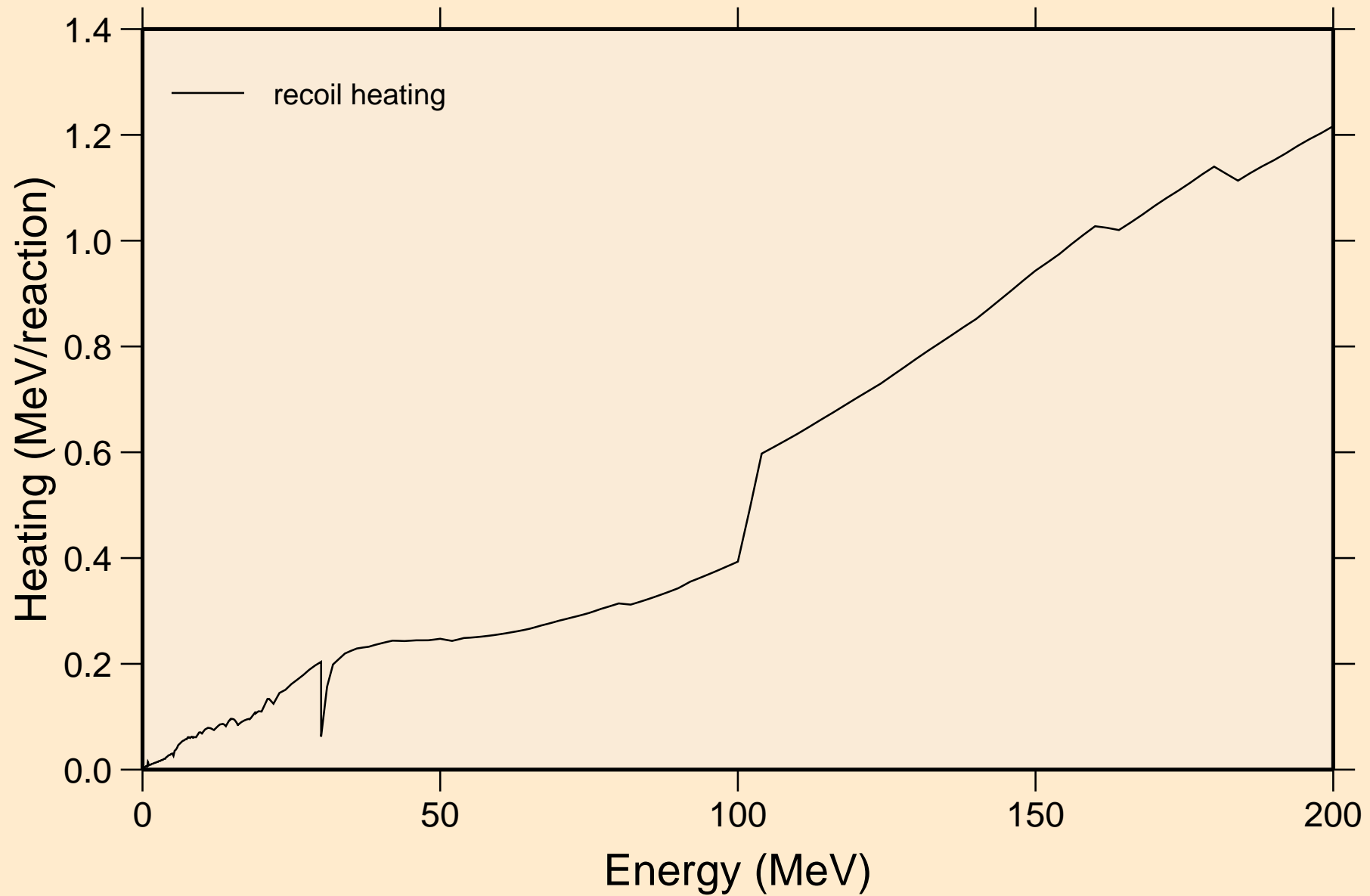
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



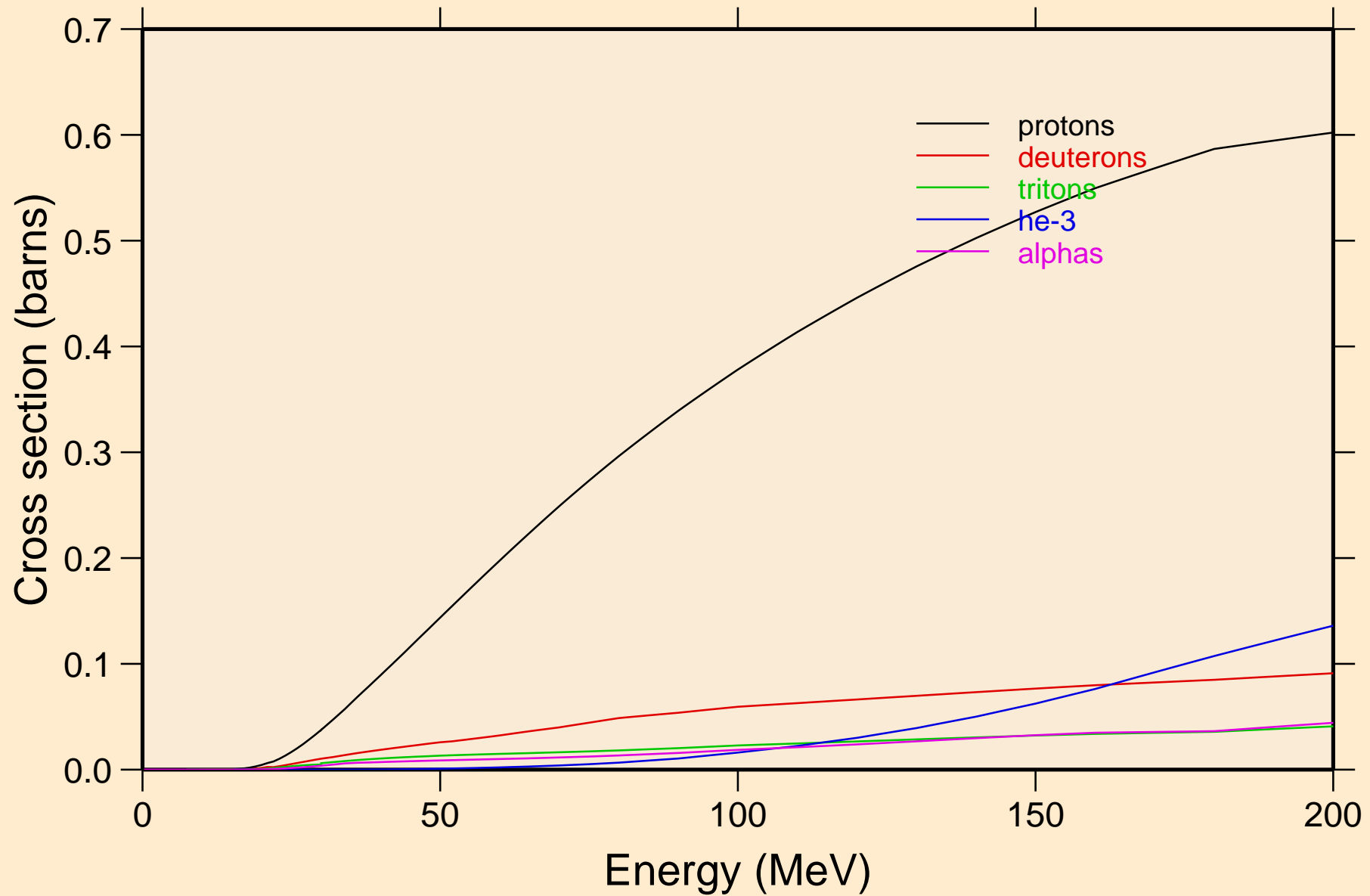
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions



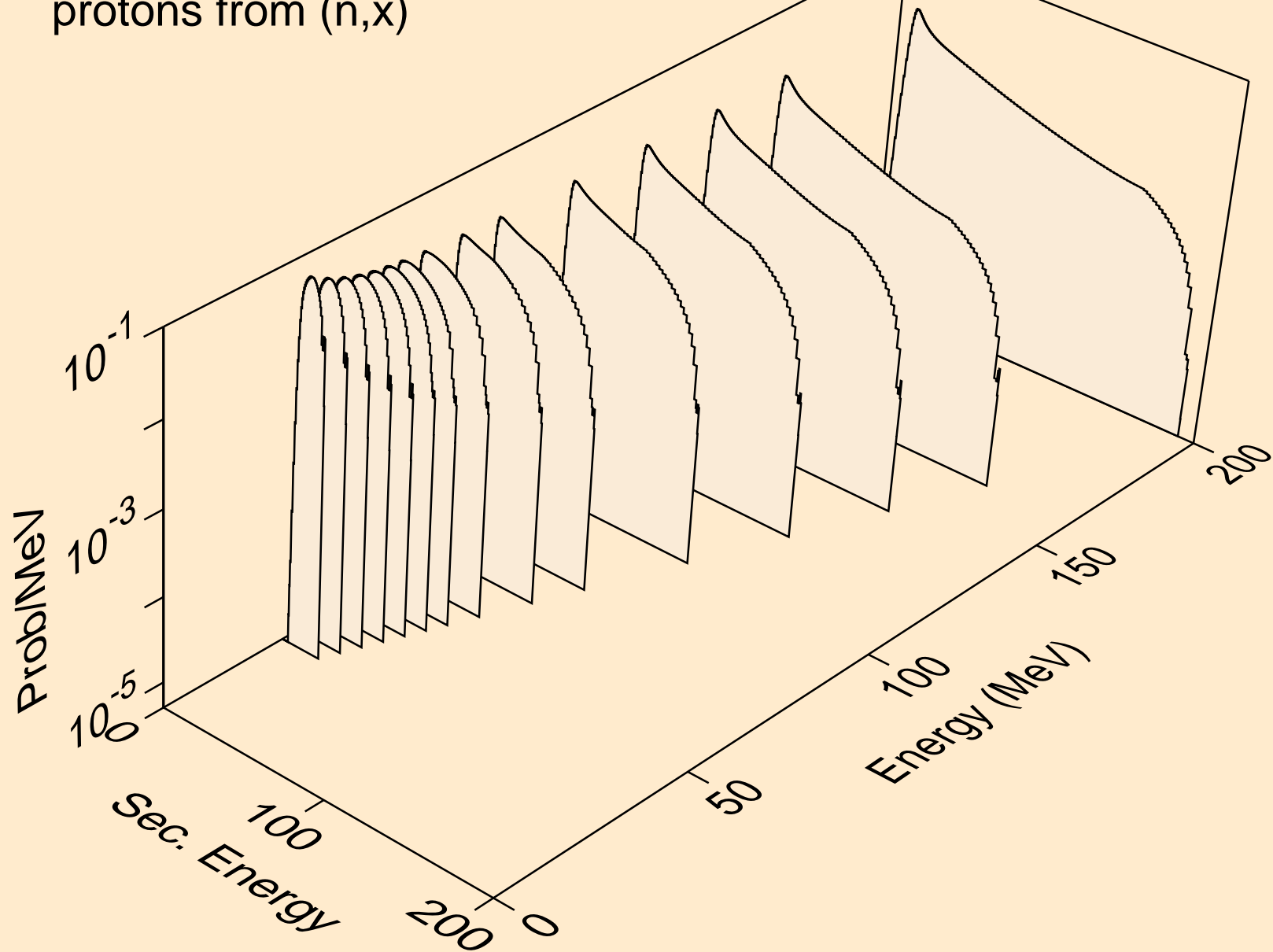
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating



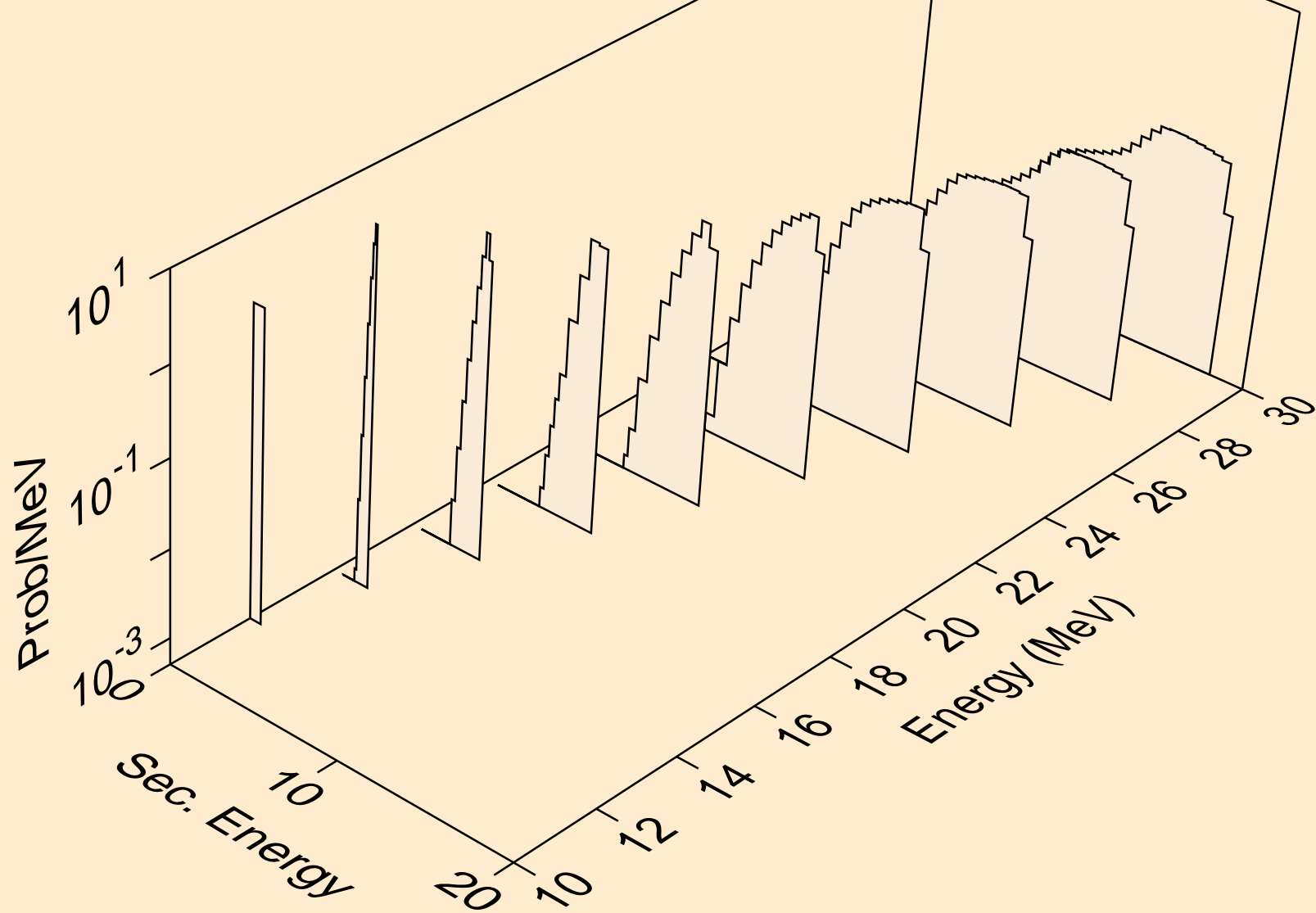
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



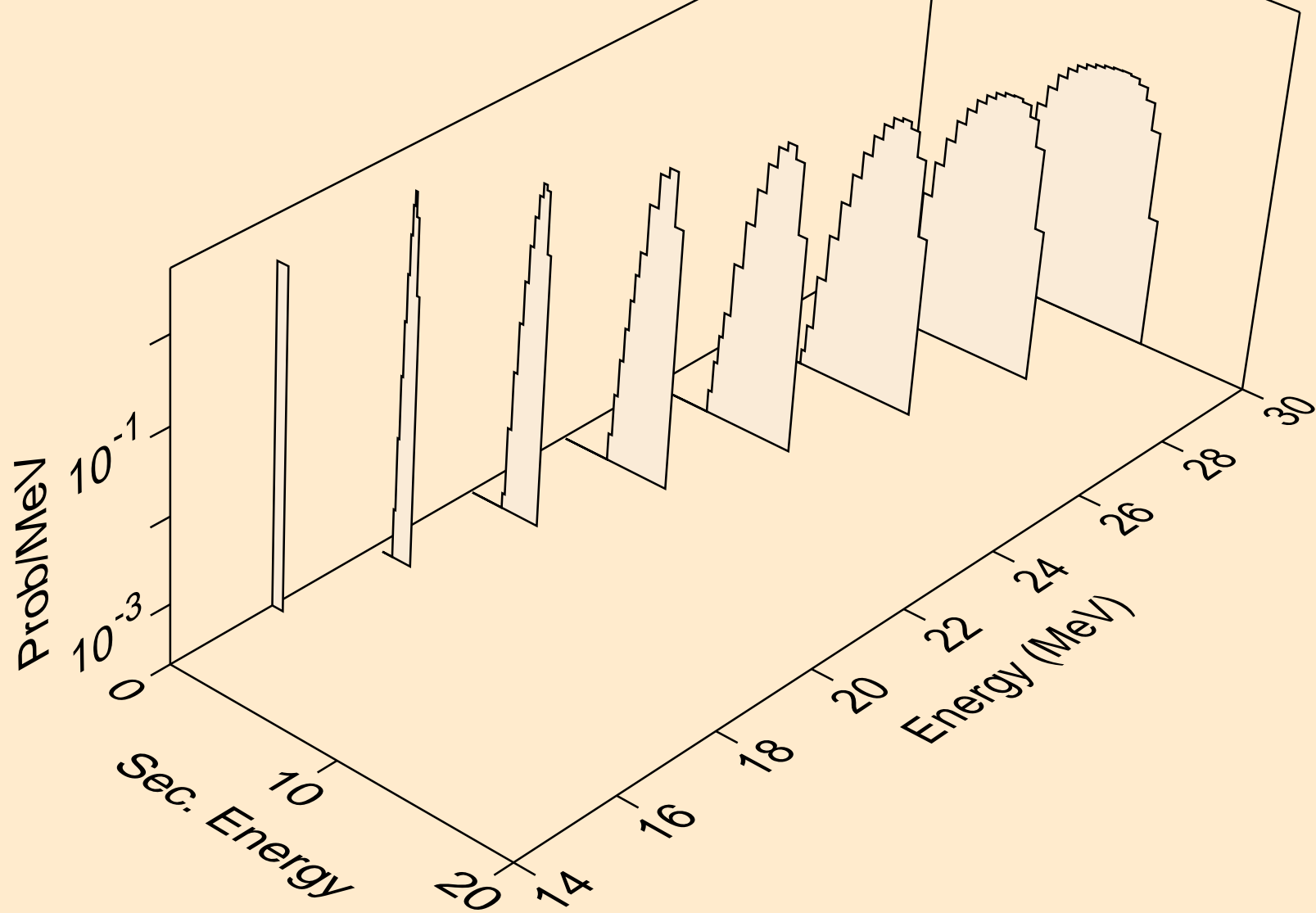
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



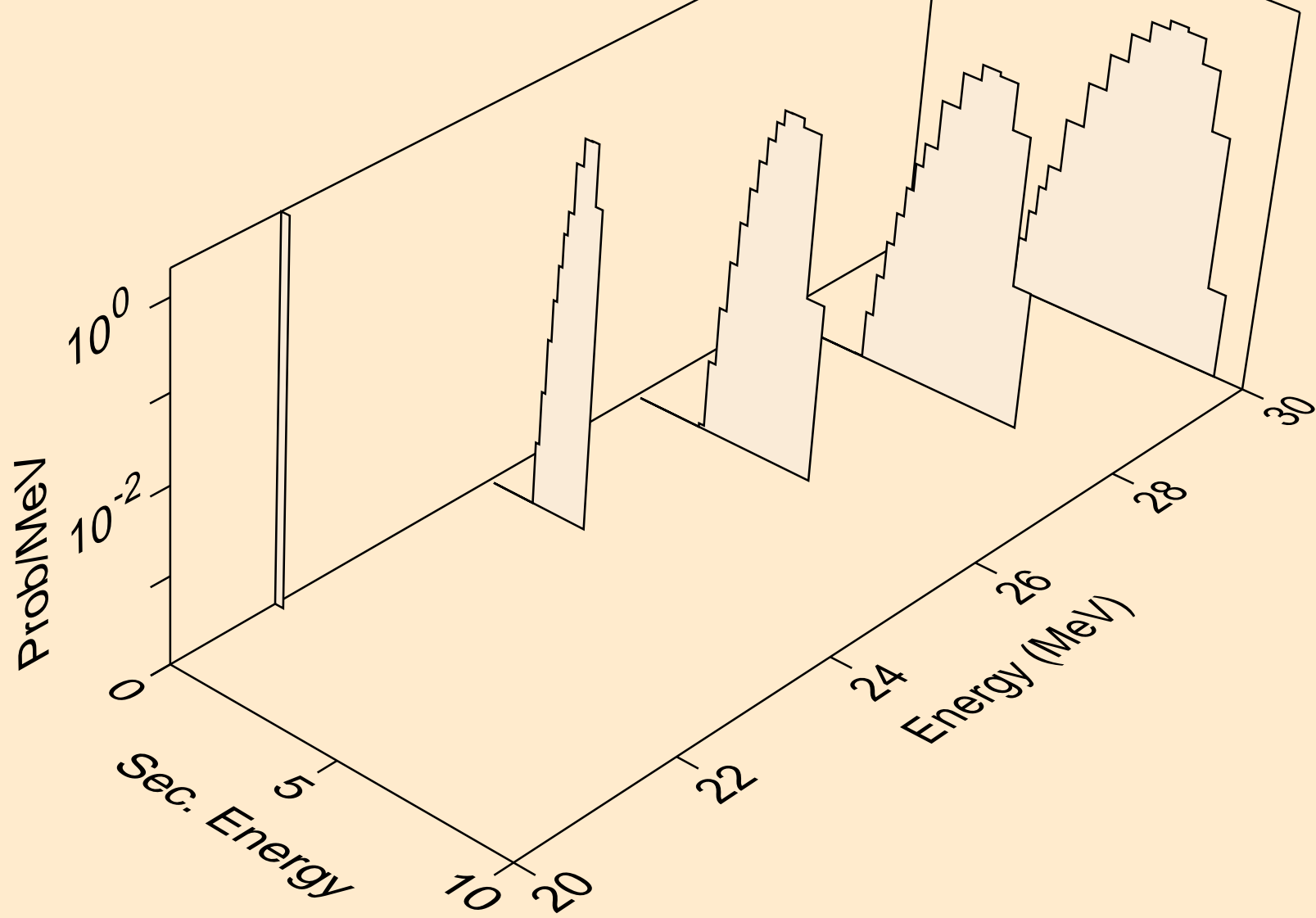
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protons from (n,n\*)p



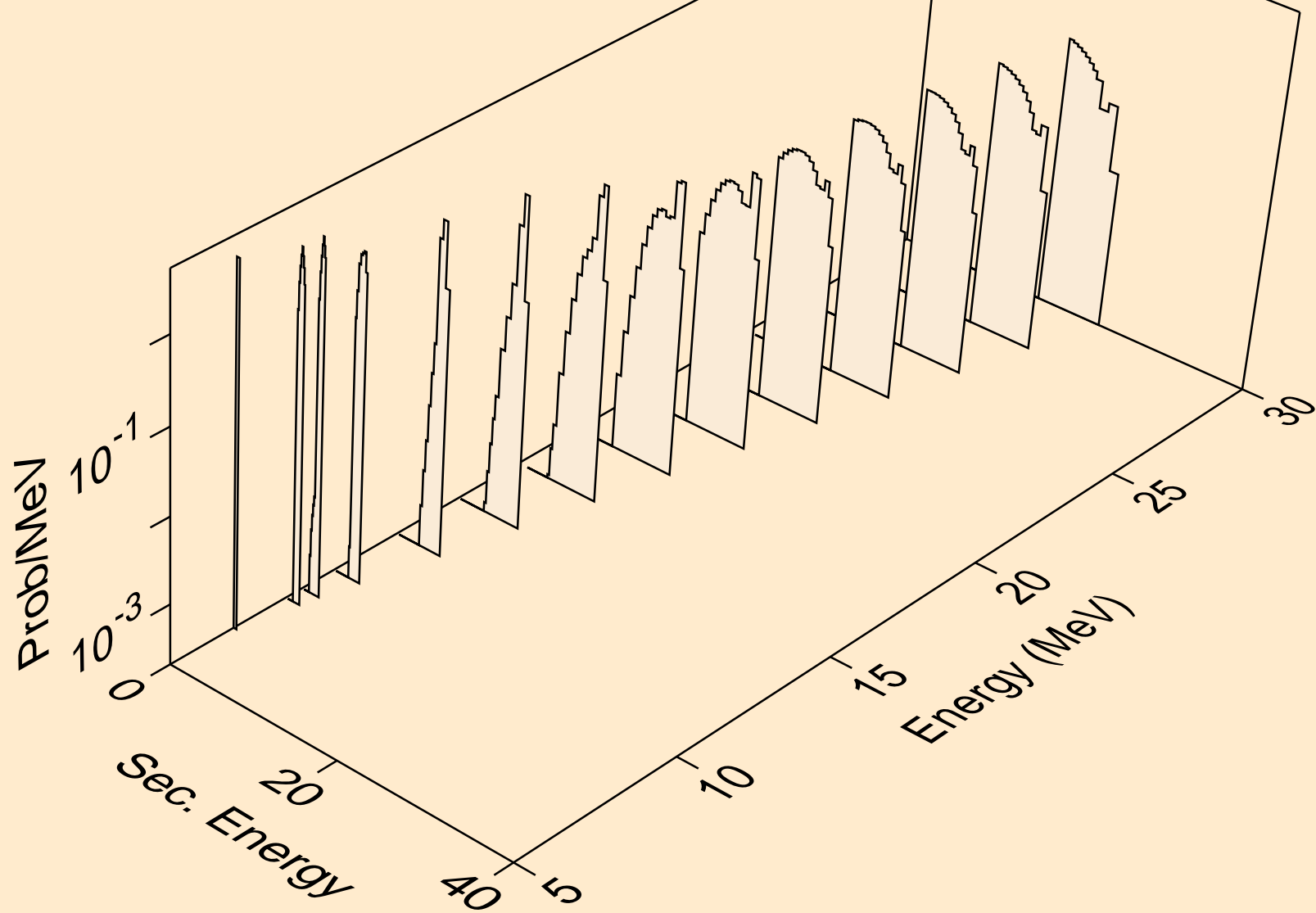
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protons from (n,2np)



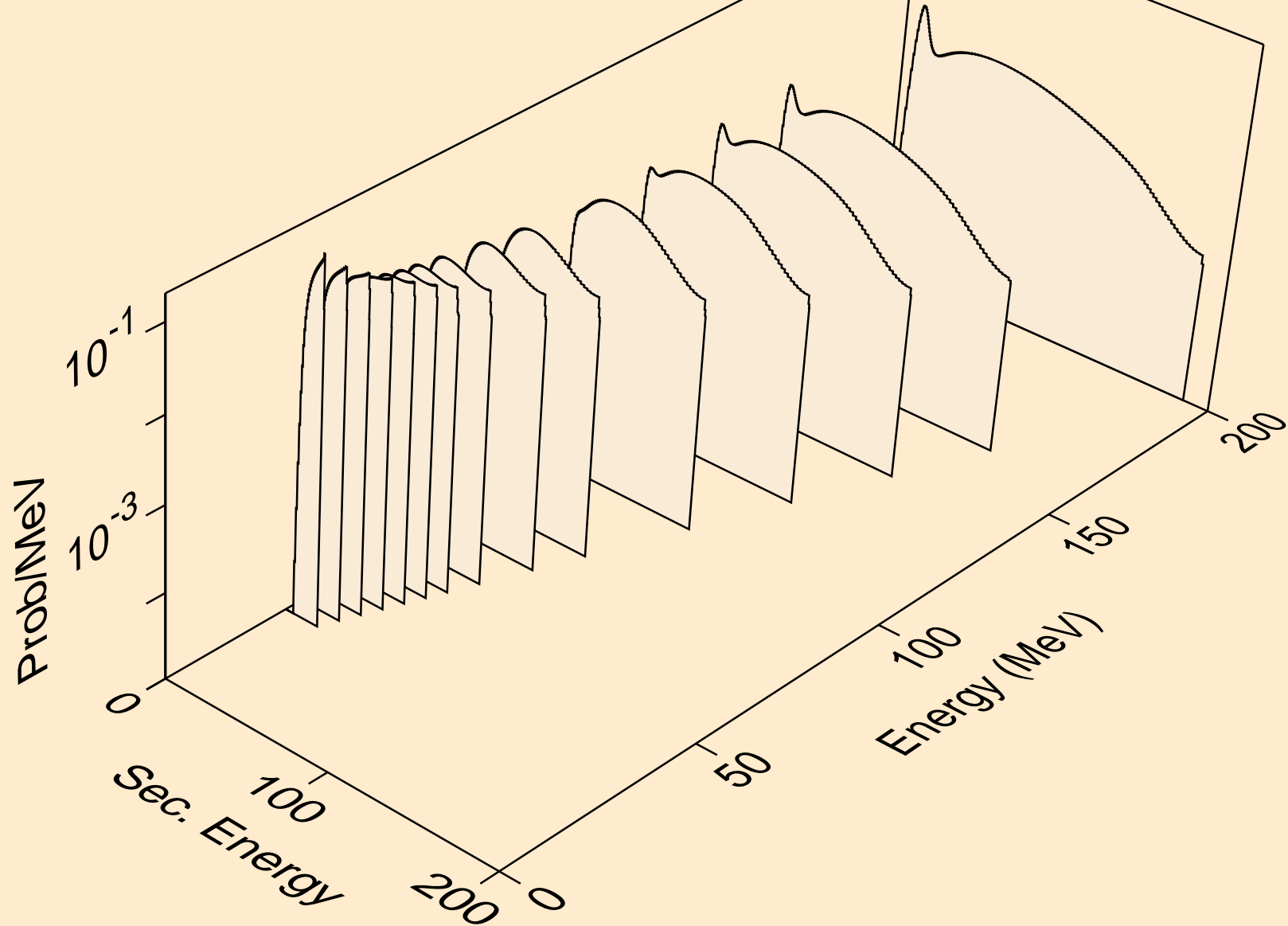
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protons from (n,3np)



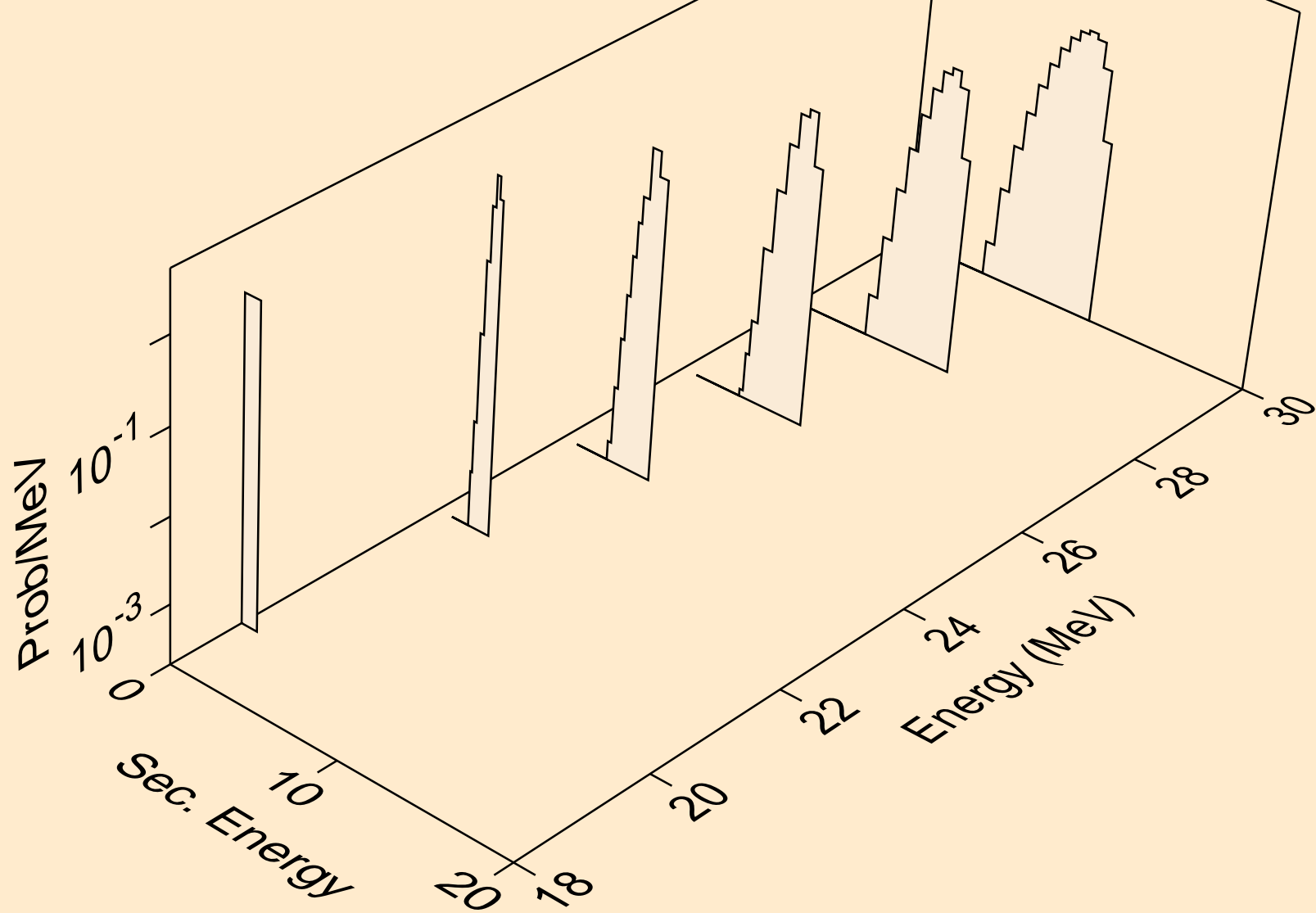
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protons from (n,p)



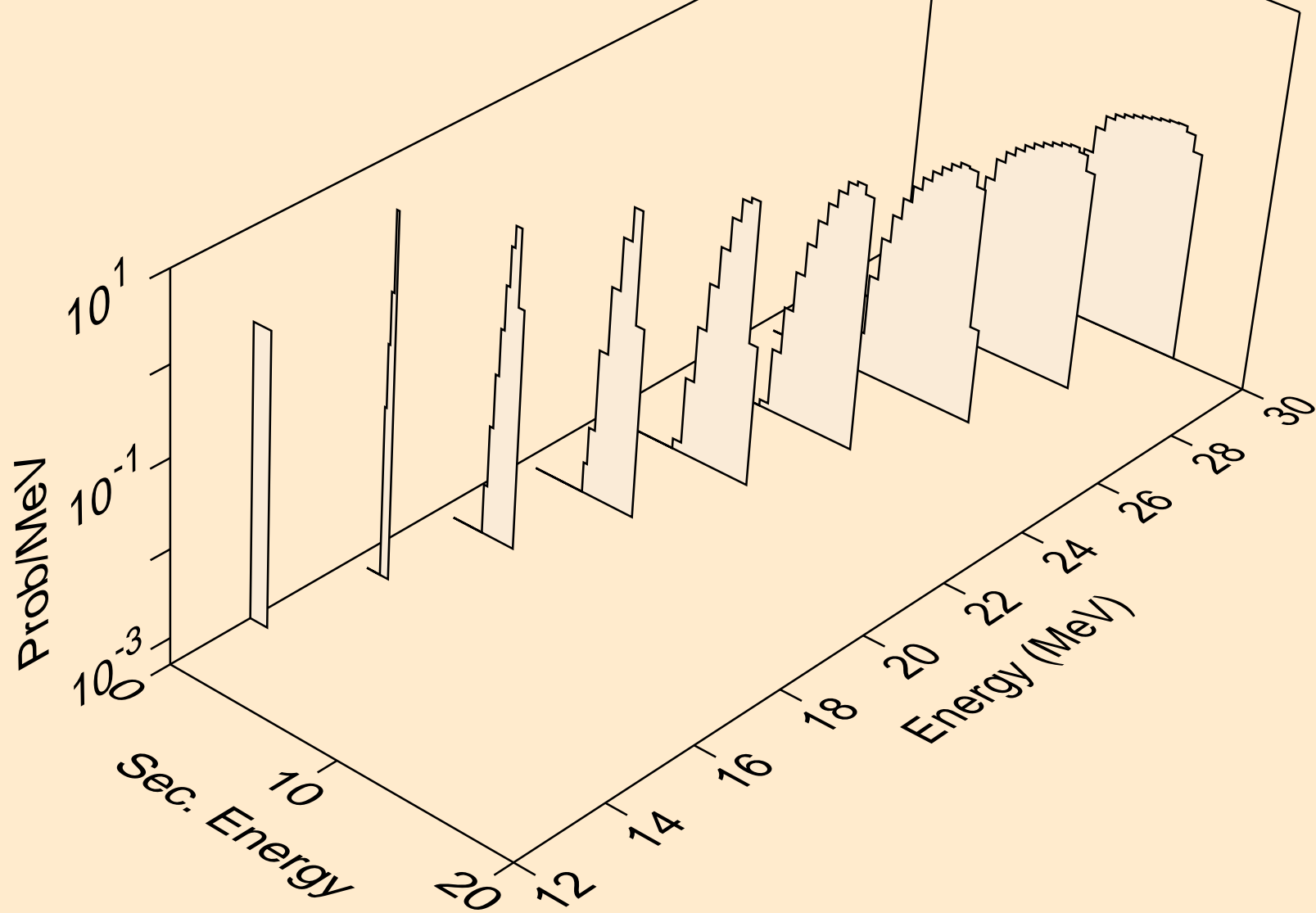
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deuterons from (n,x)



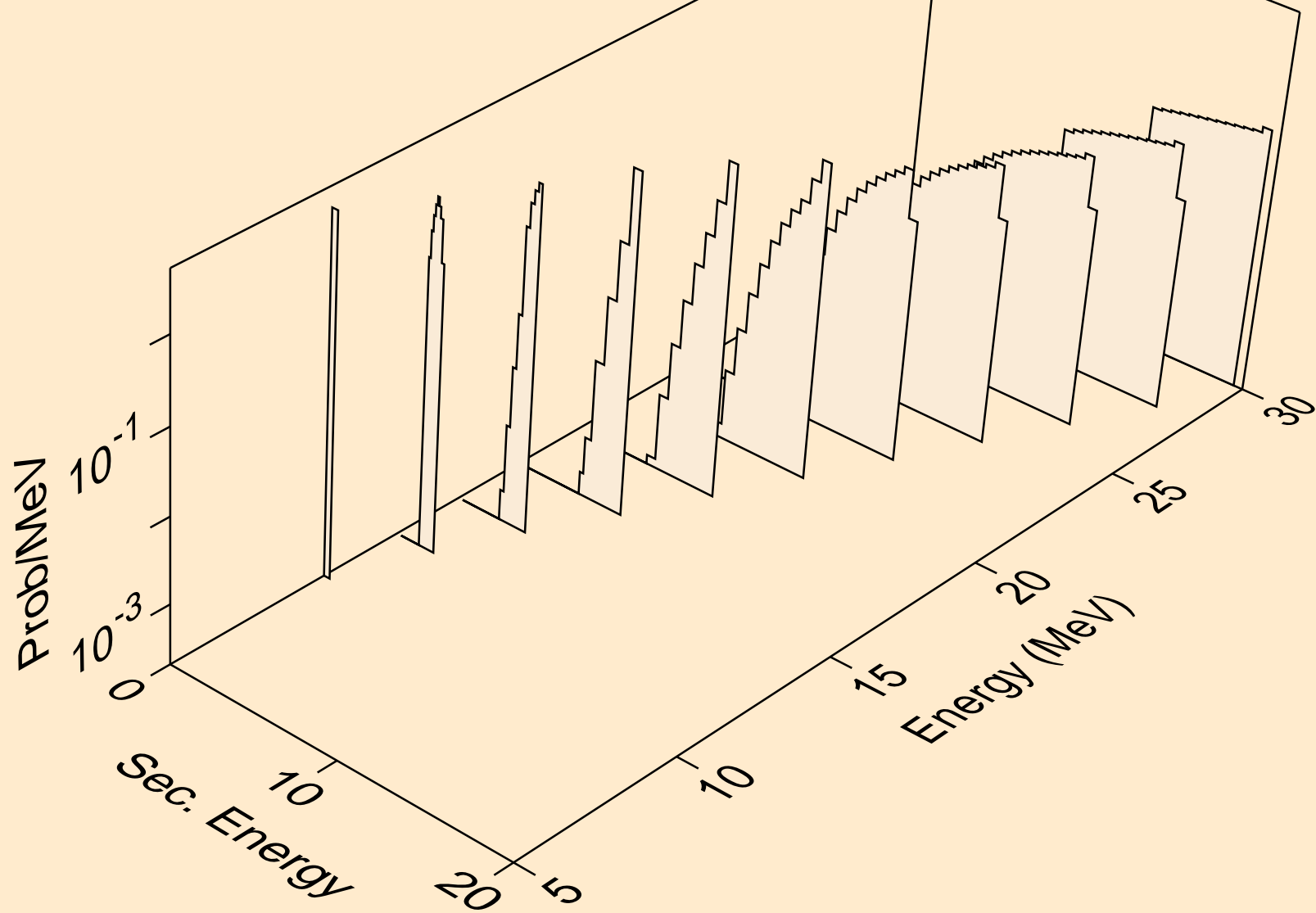
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deuterons from (n,2nd)



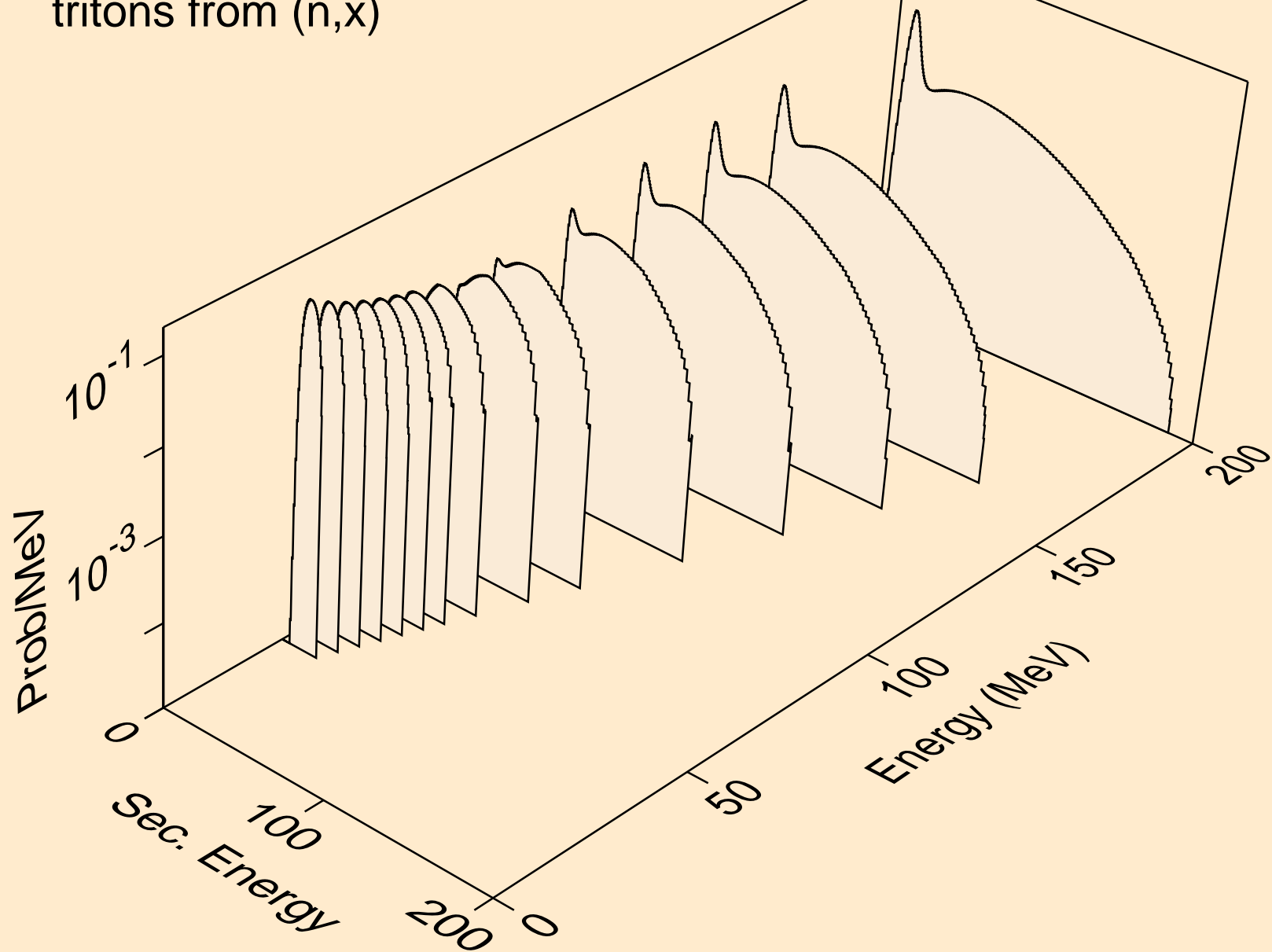
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deuterons from (n,n\*)d



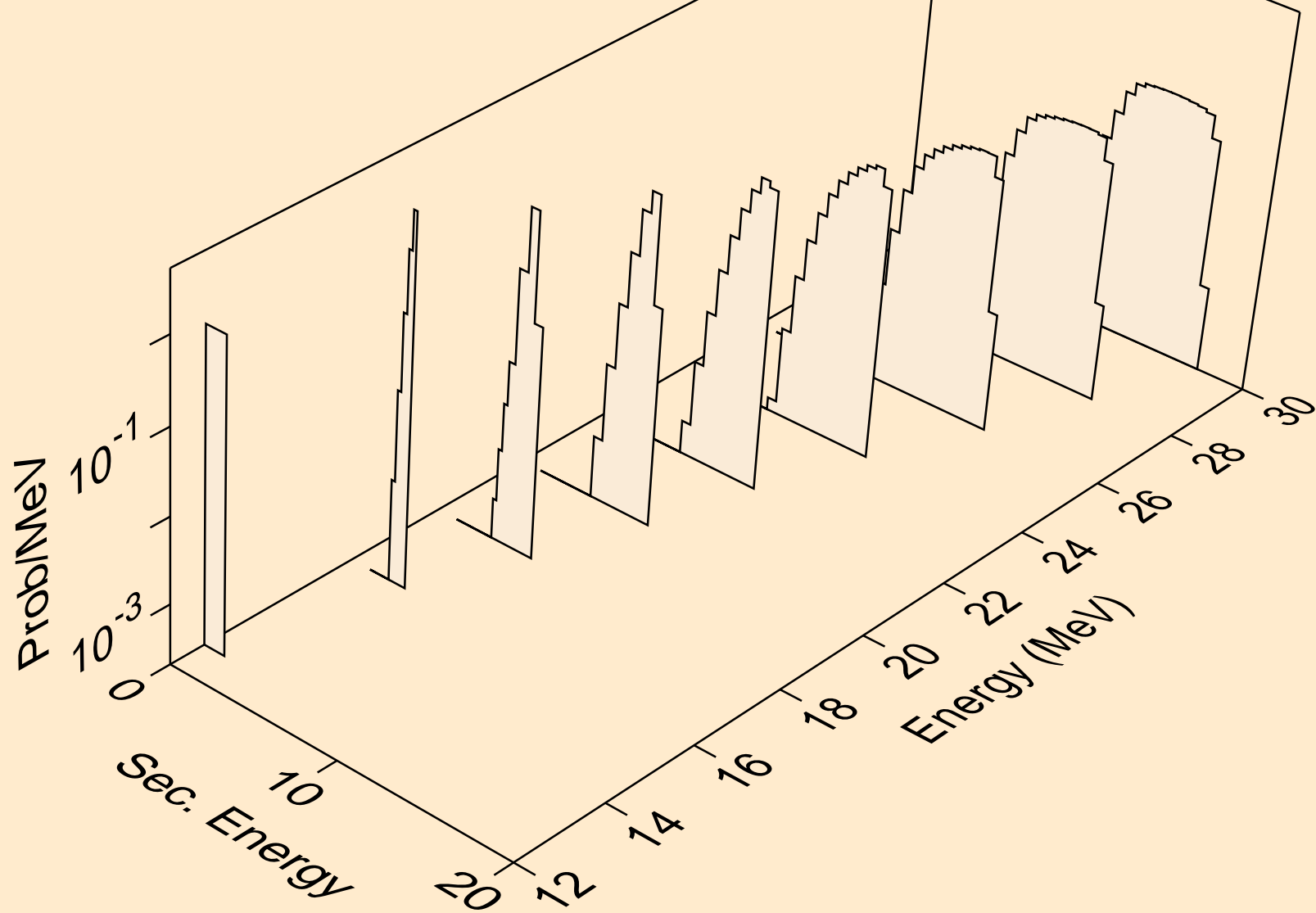
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deuterons from (n,d)



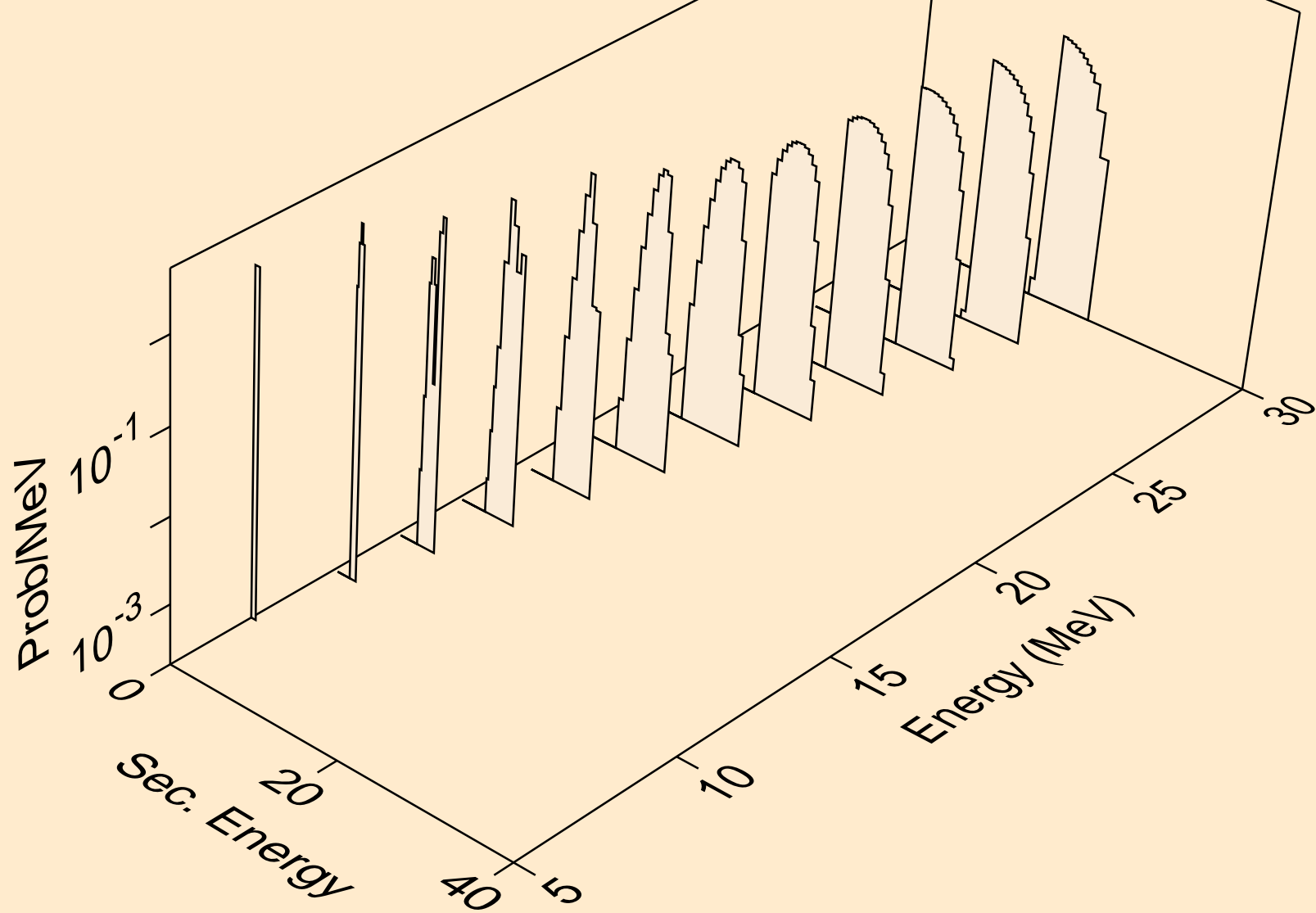
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tritons from (n,x)



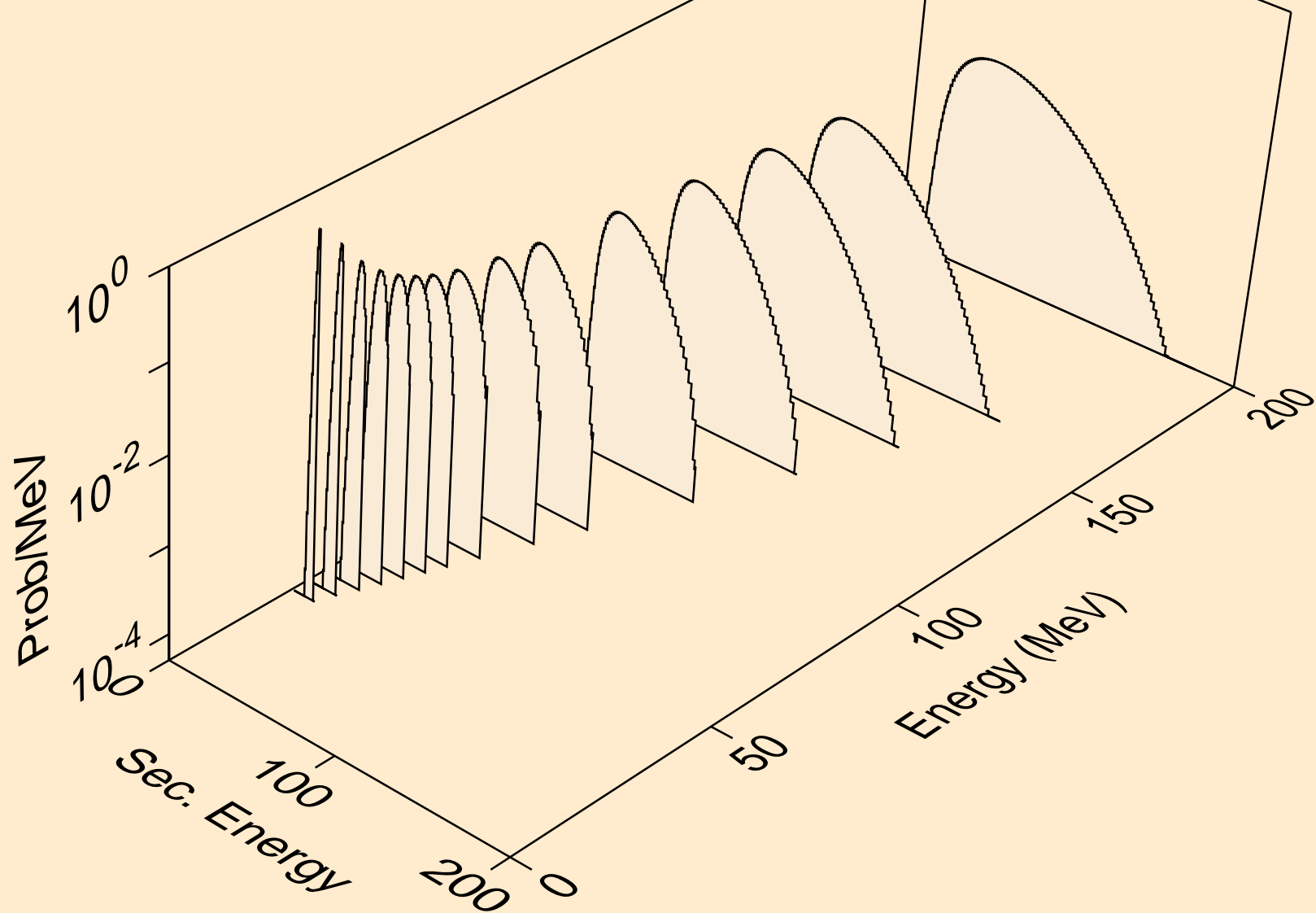
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tritons from (n,n\*)t



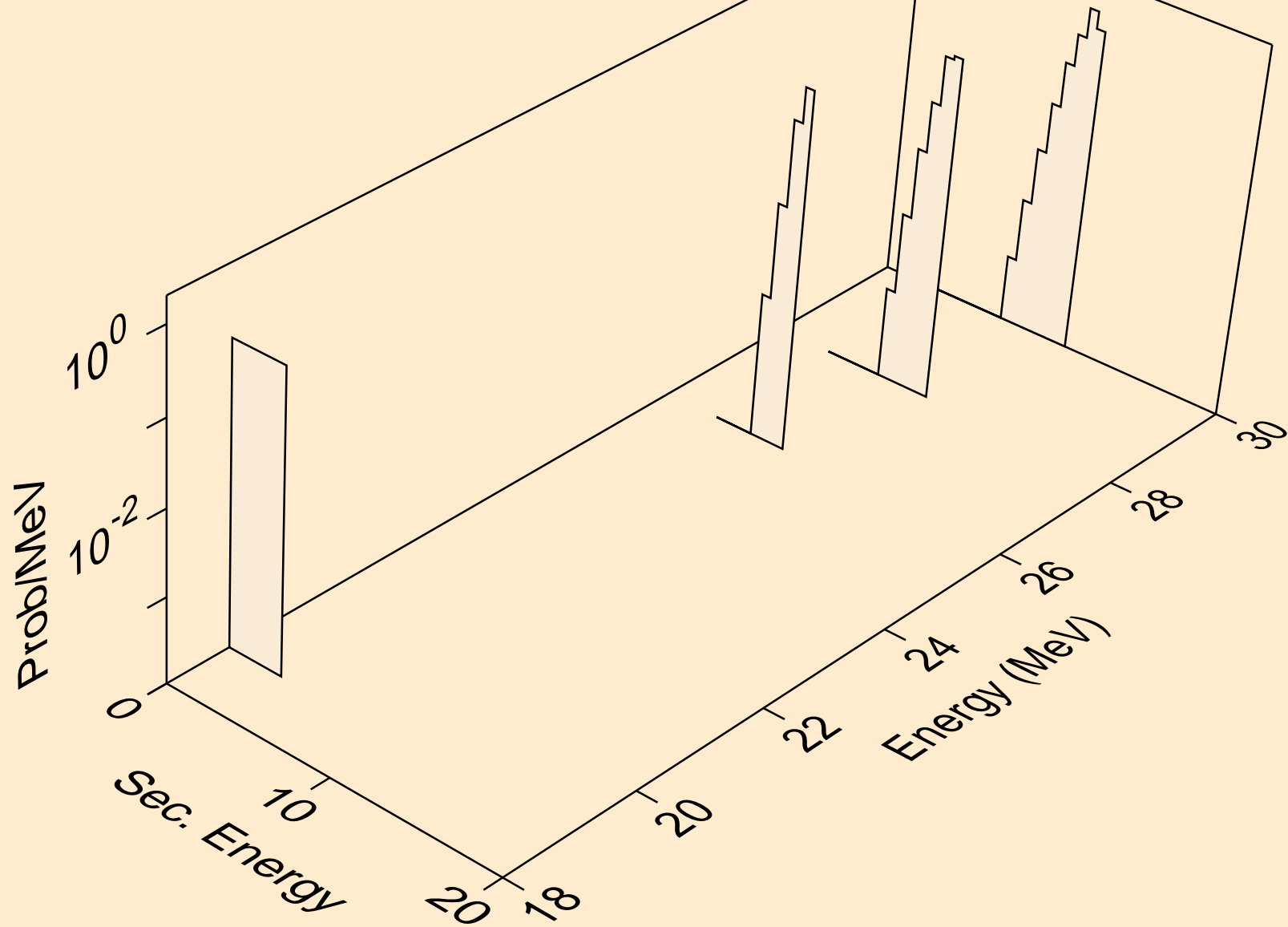
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tritons from (n,t)



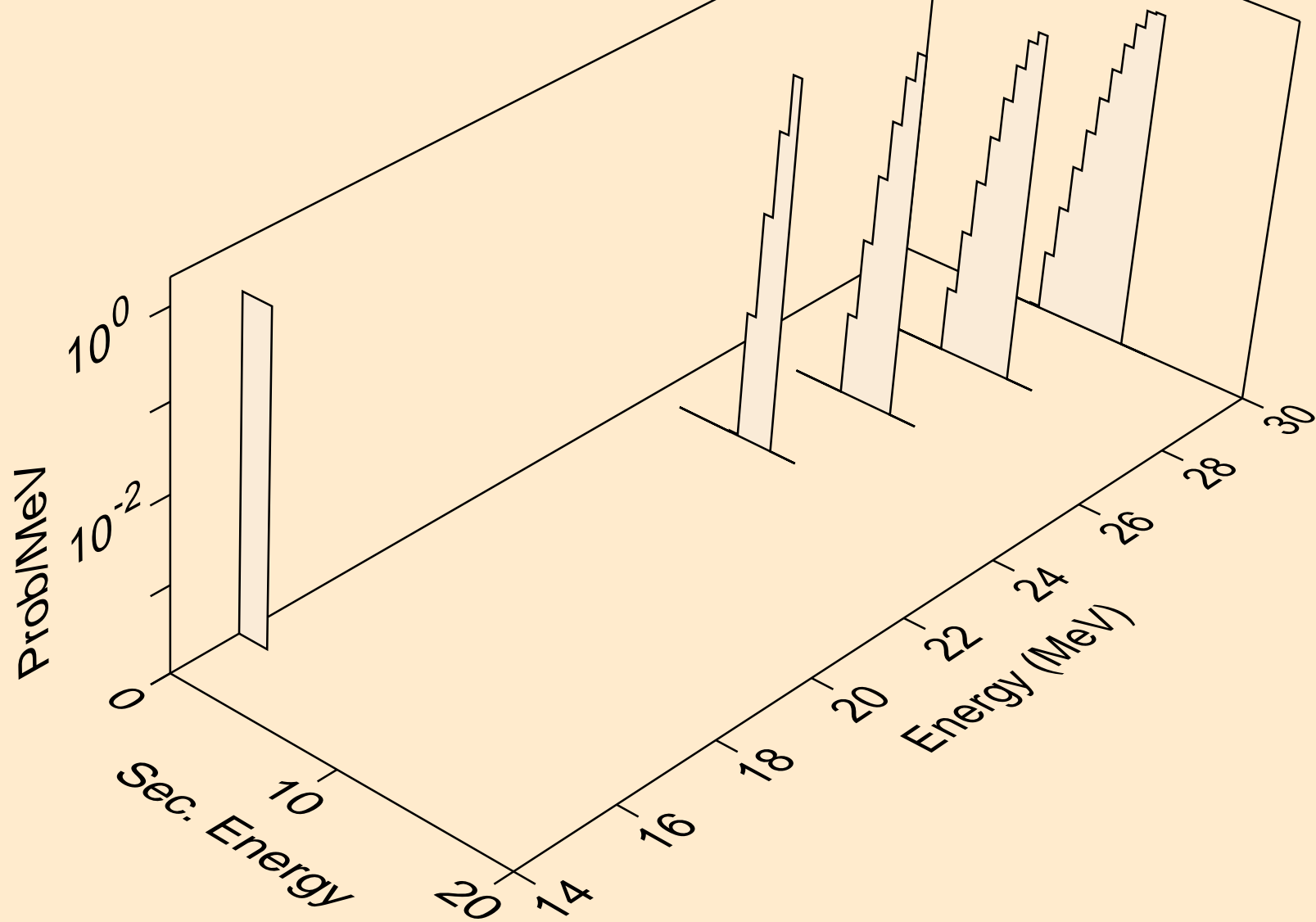
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he3s from (n,x)



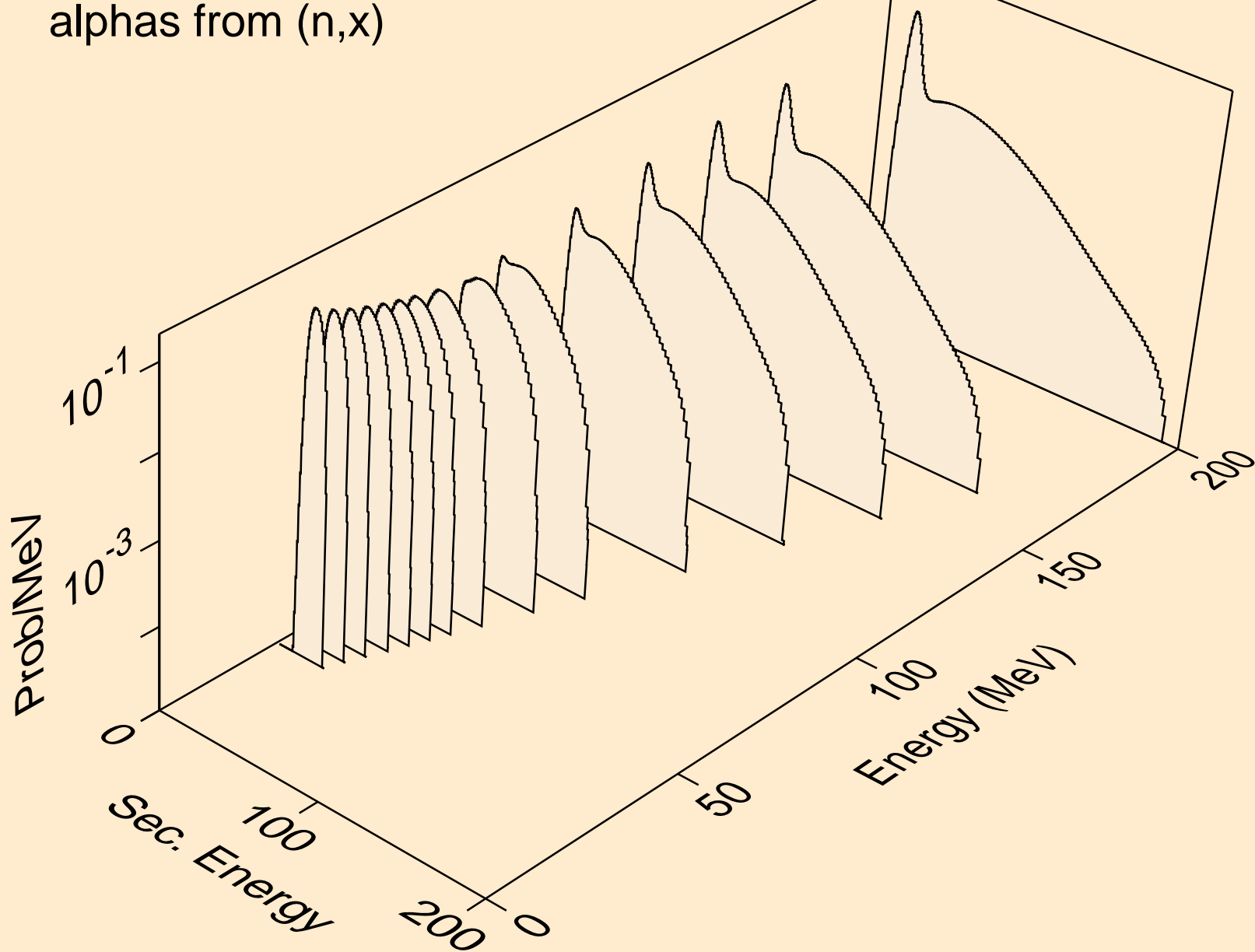
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



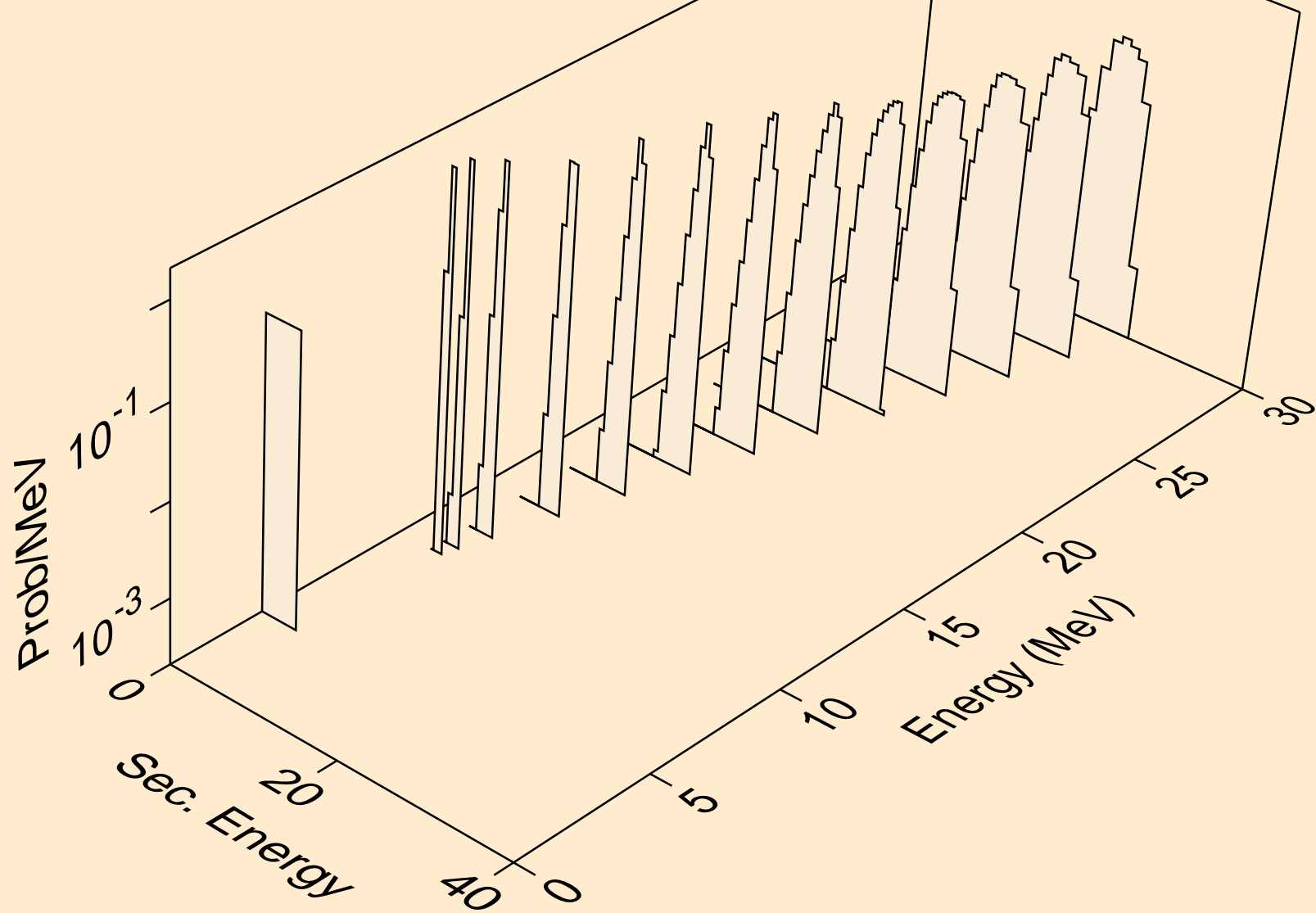
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he3s from (n,he3)



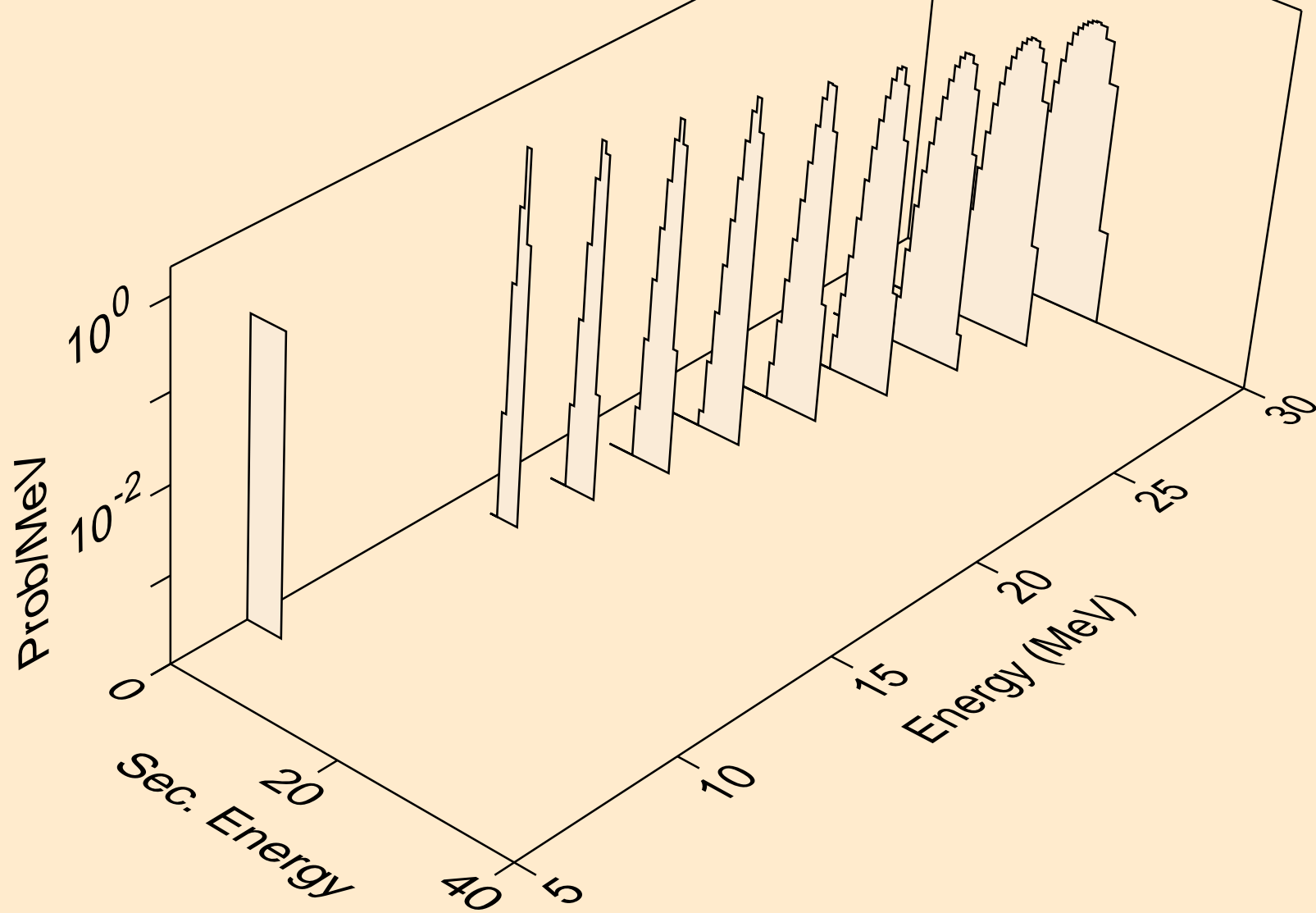
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



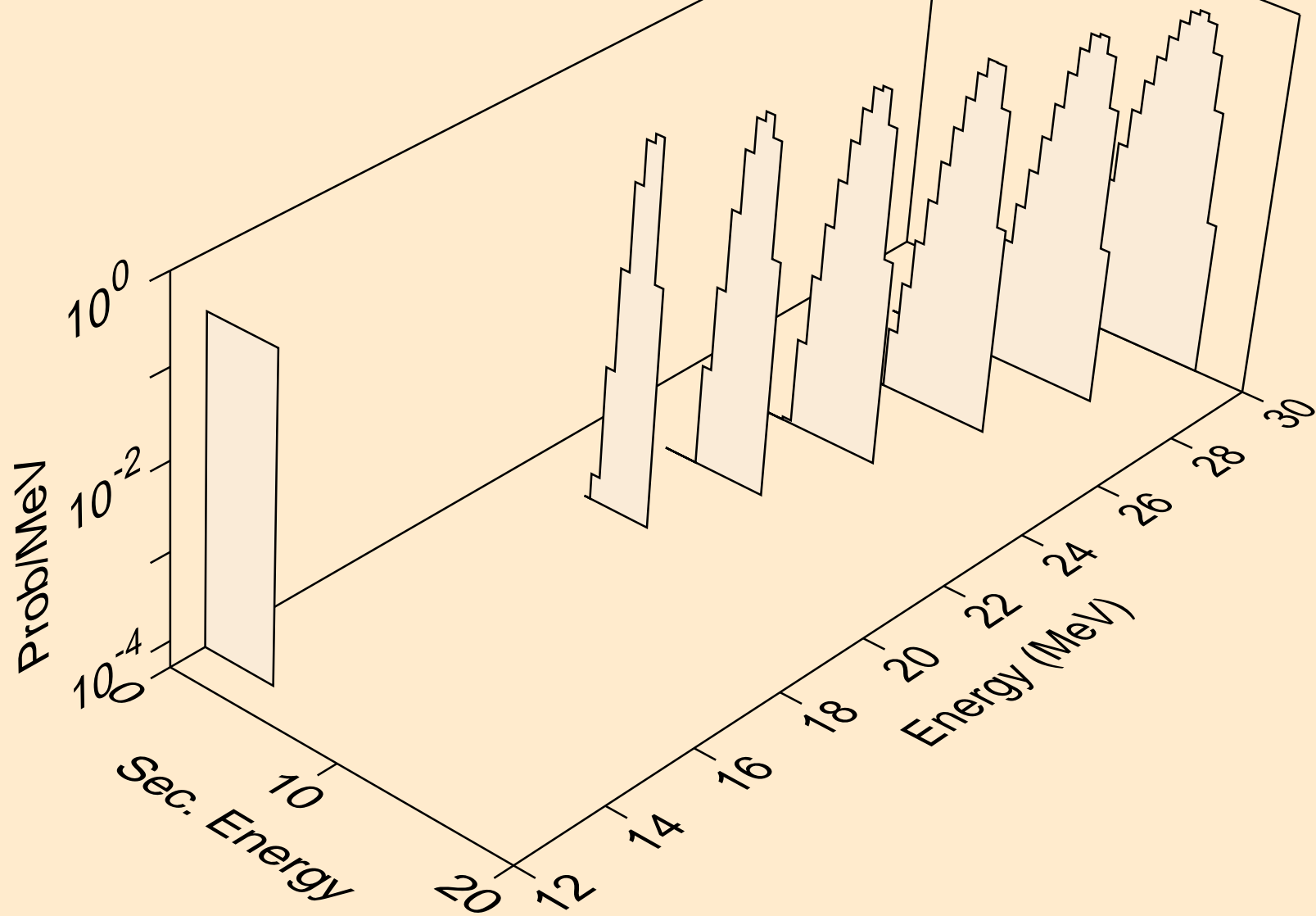
SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



SM163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)

