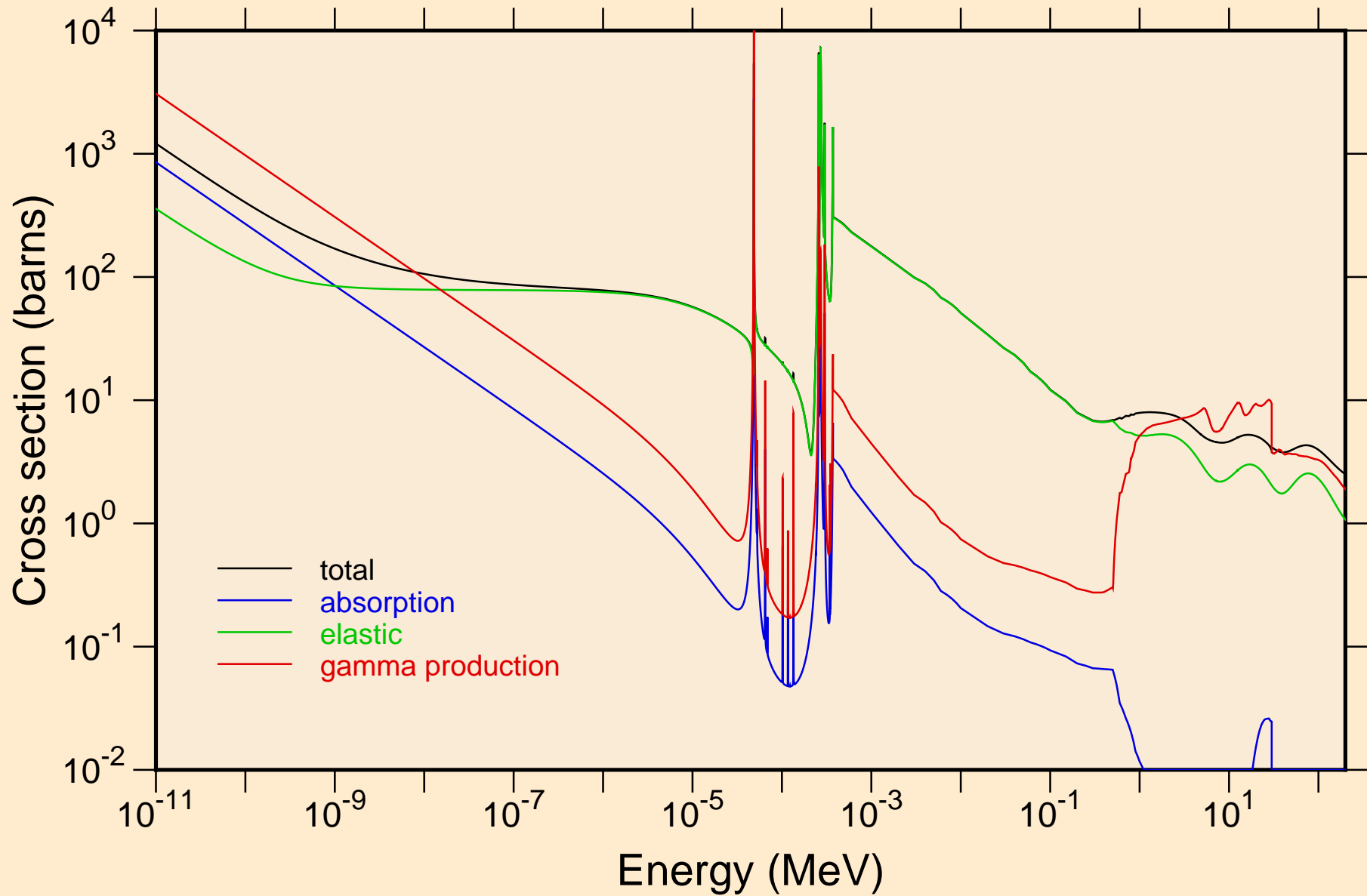
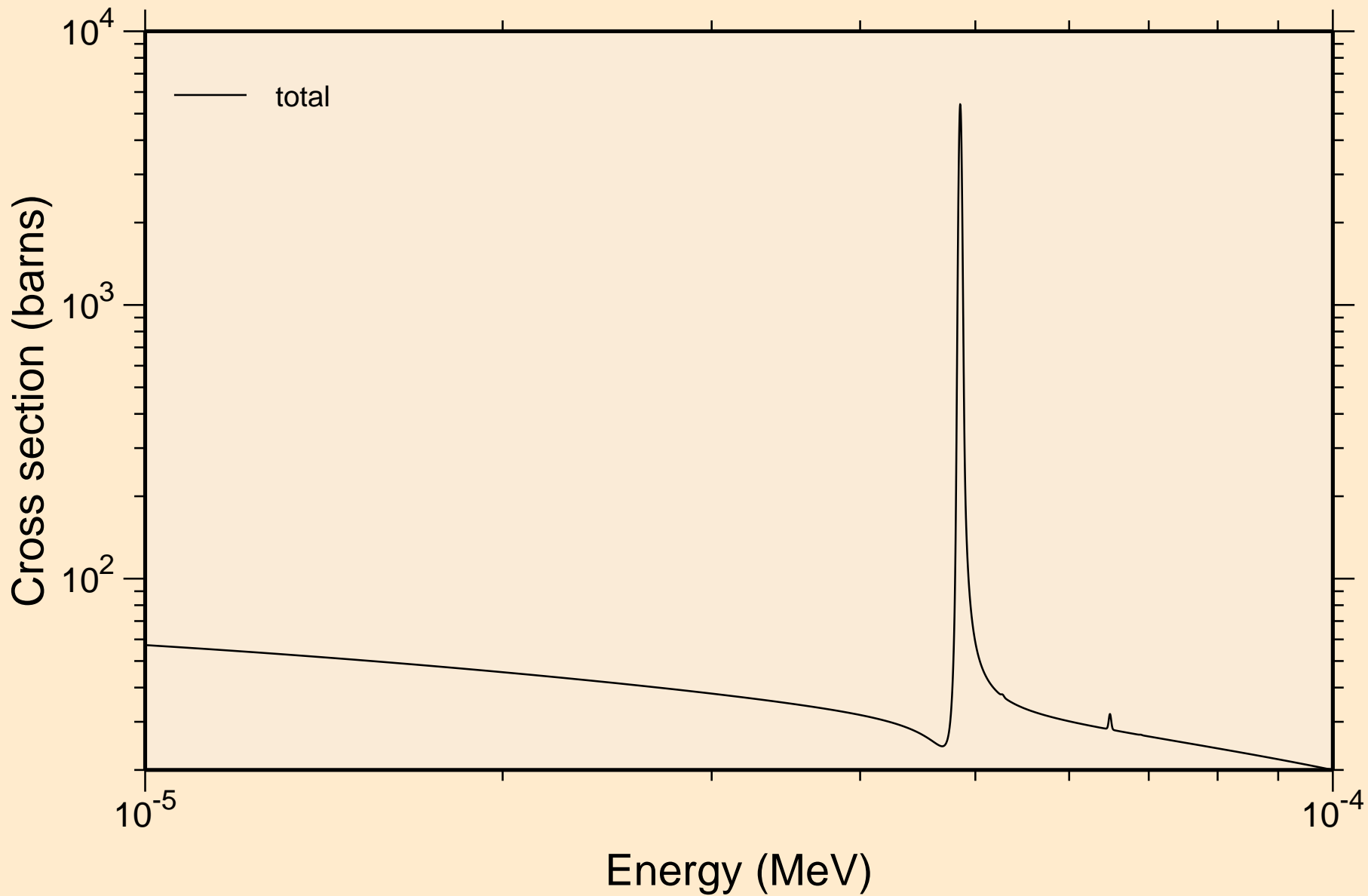


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

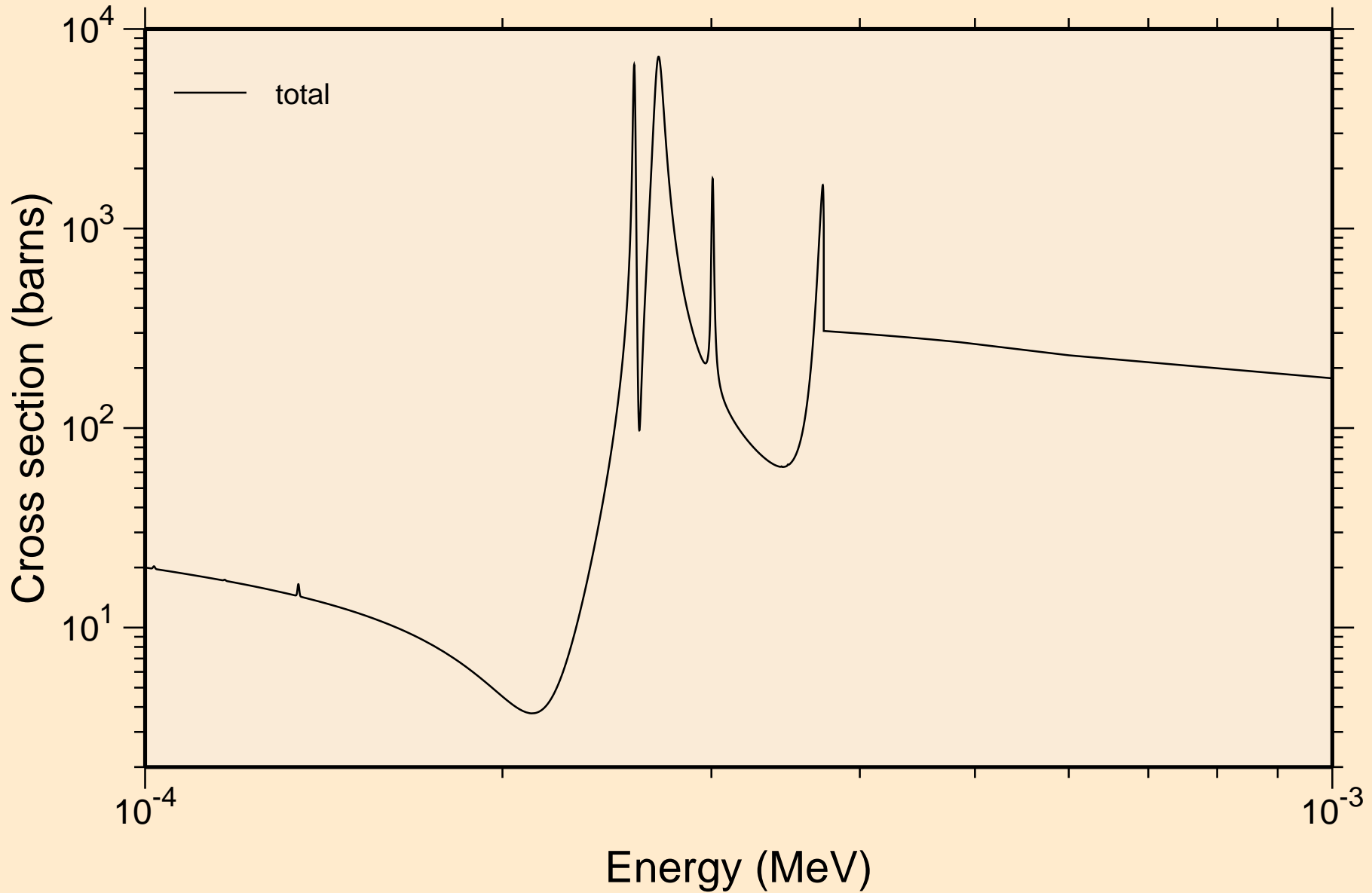
## Principal cross sections



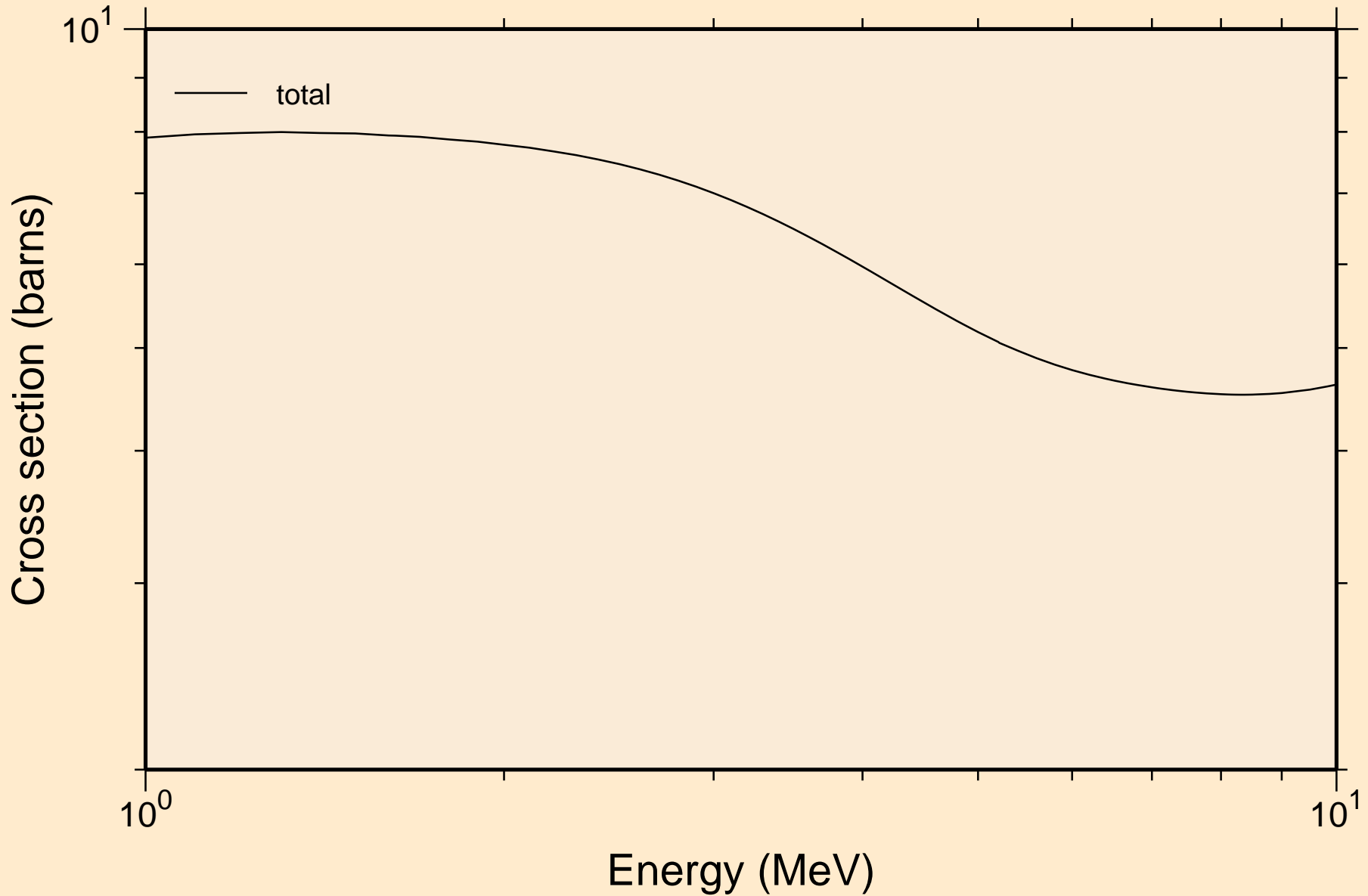
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



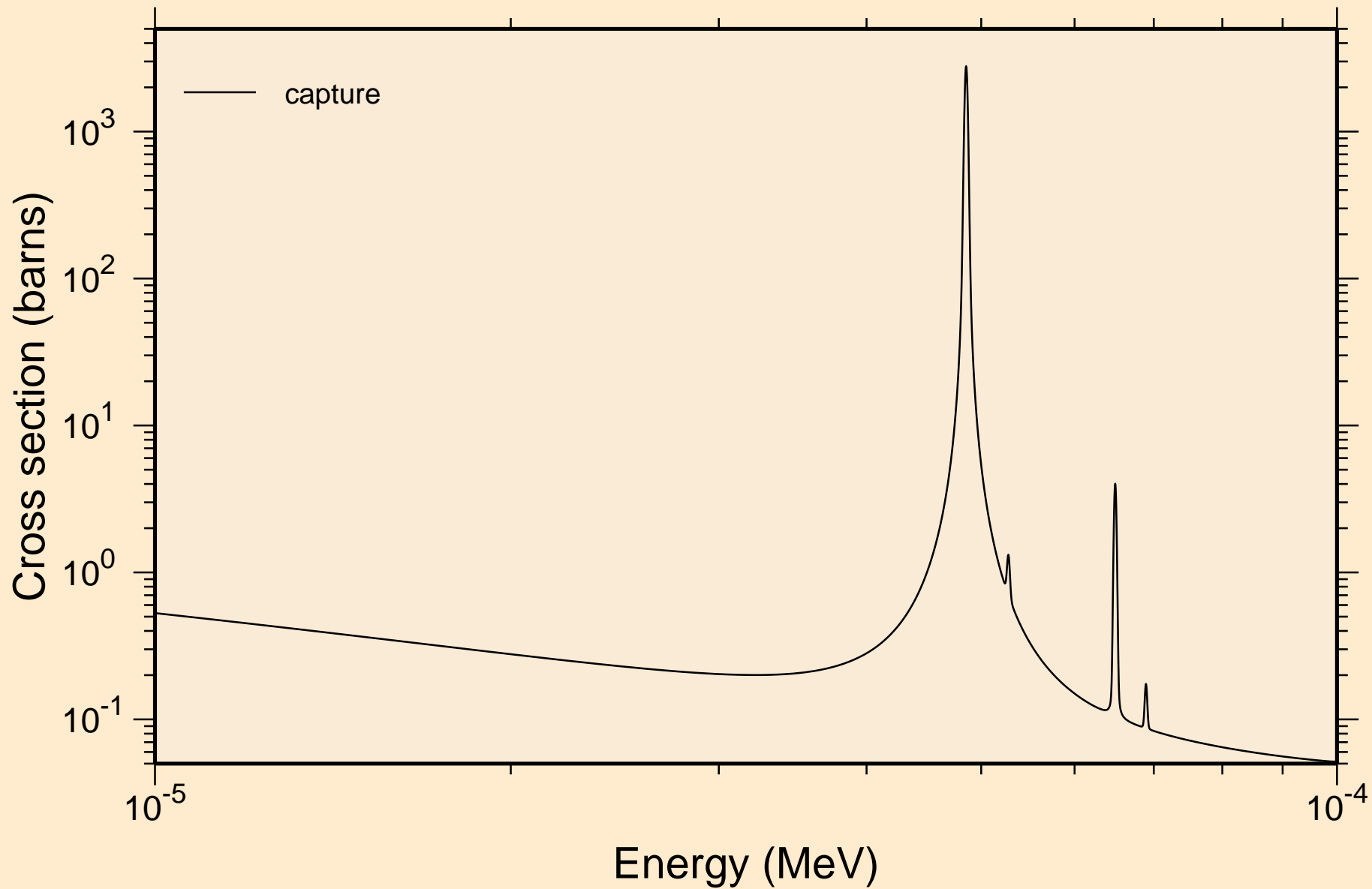
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



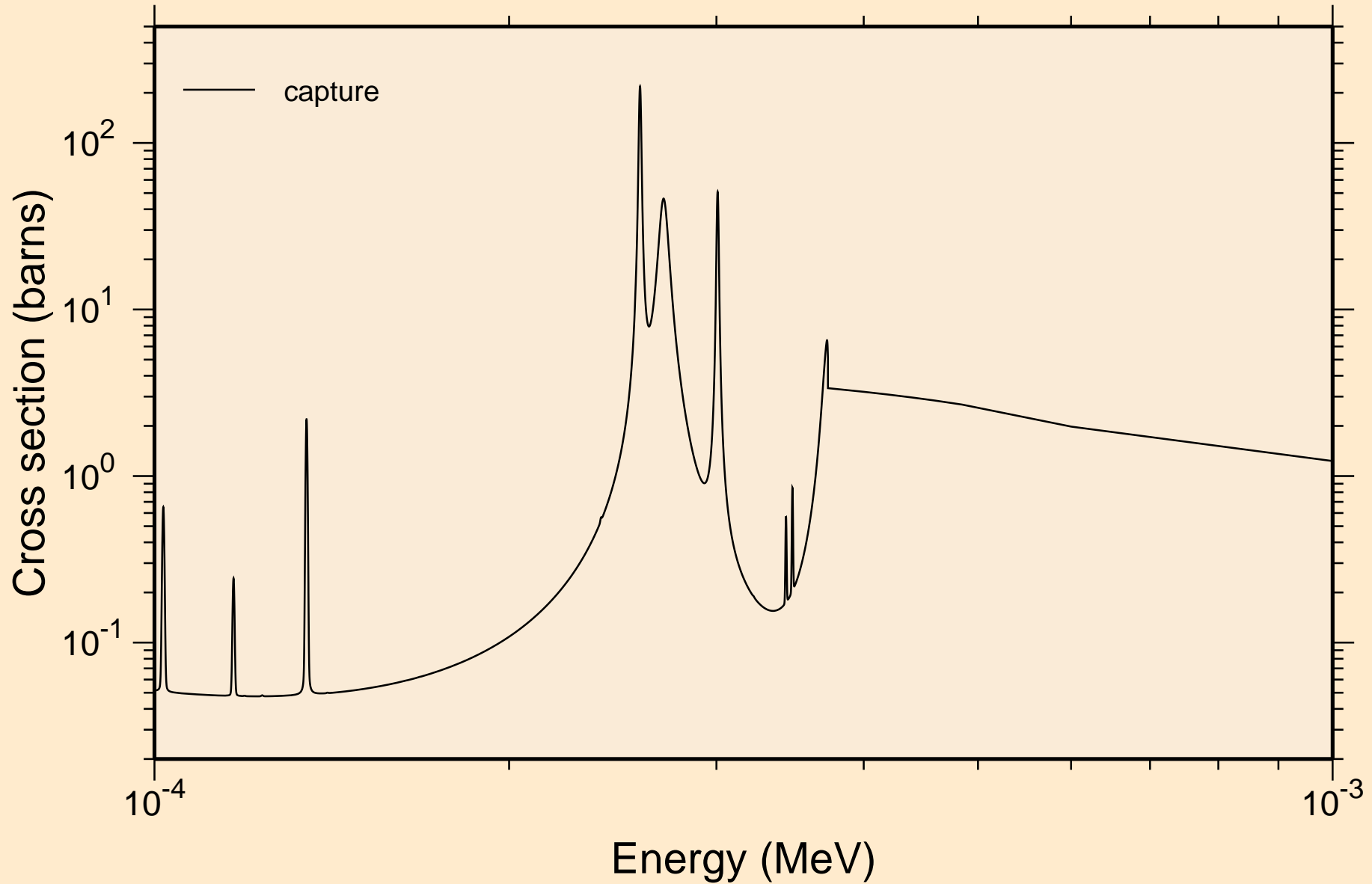
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



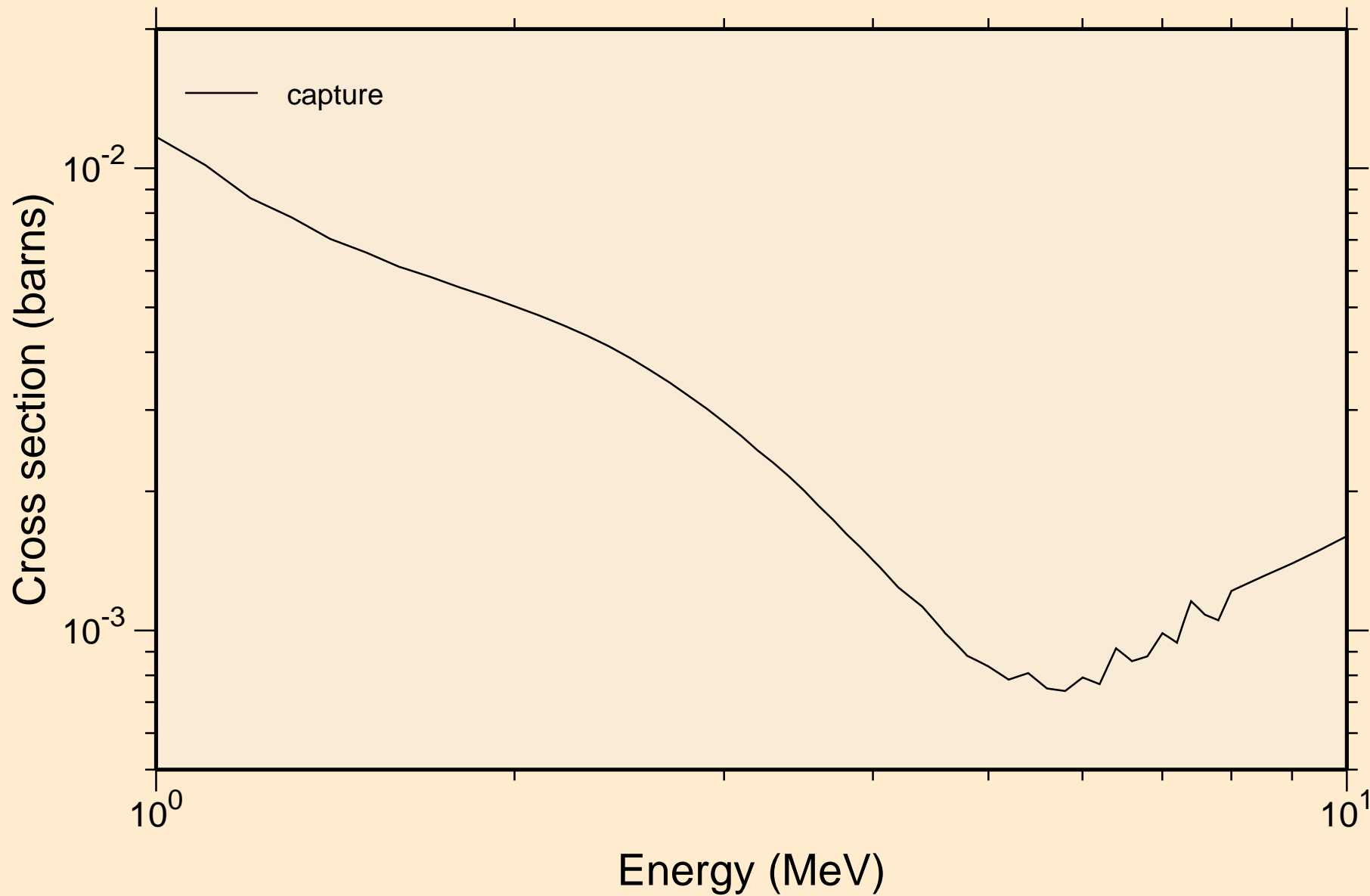
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



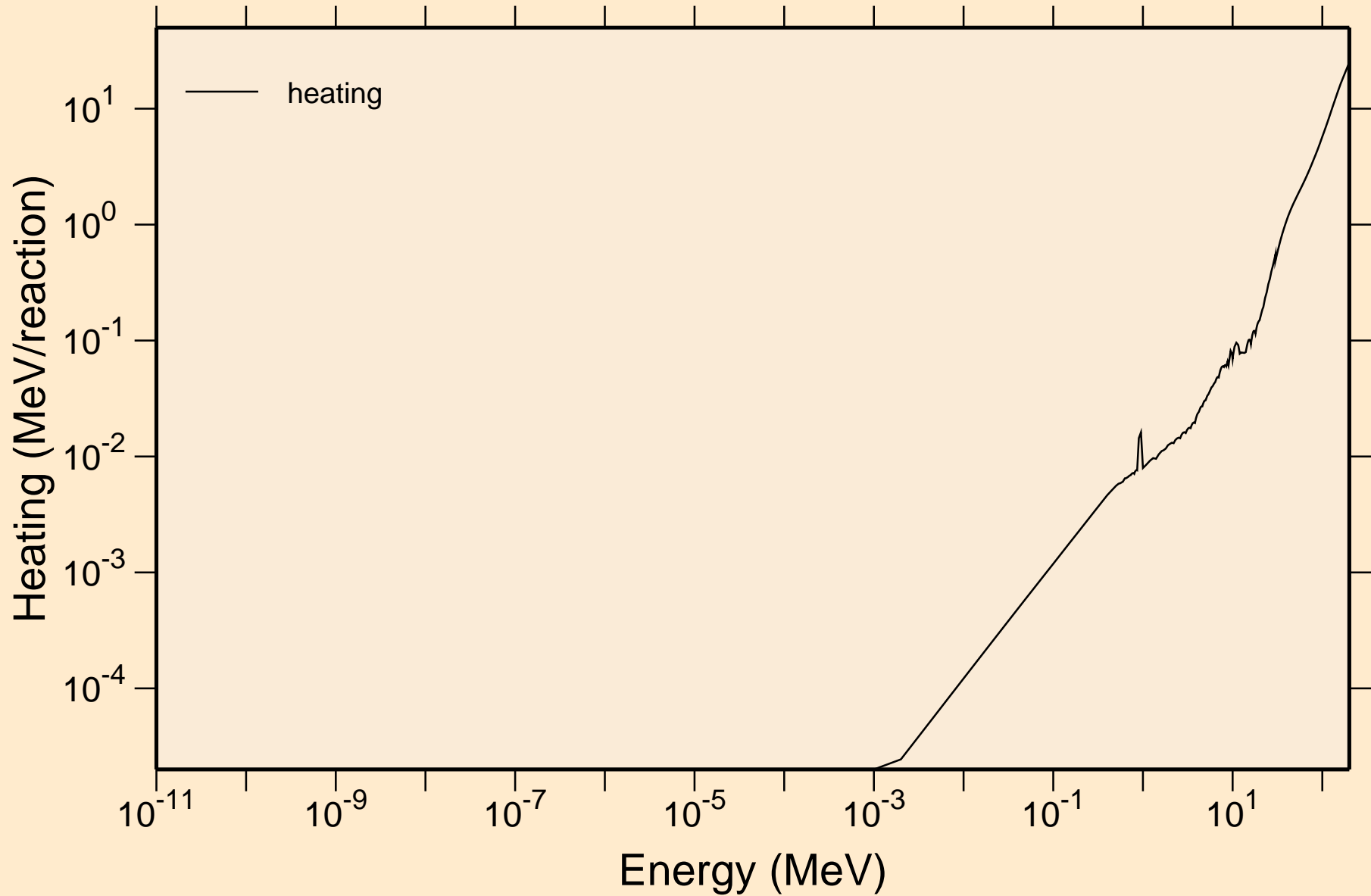
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

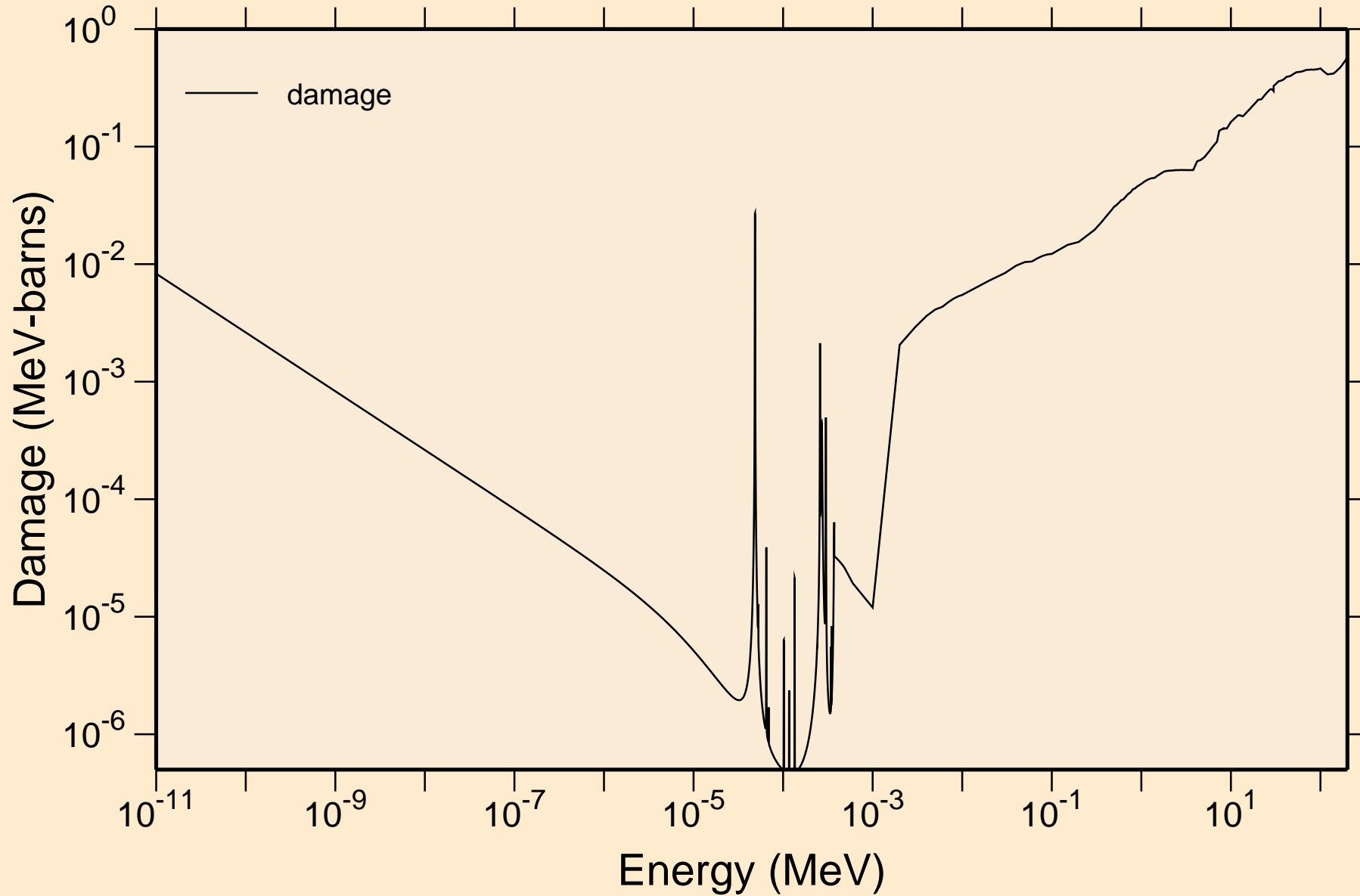


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

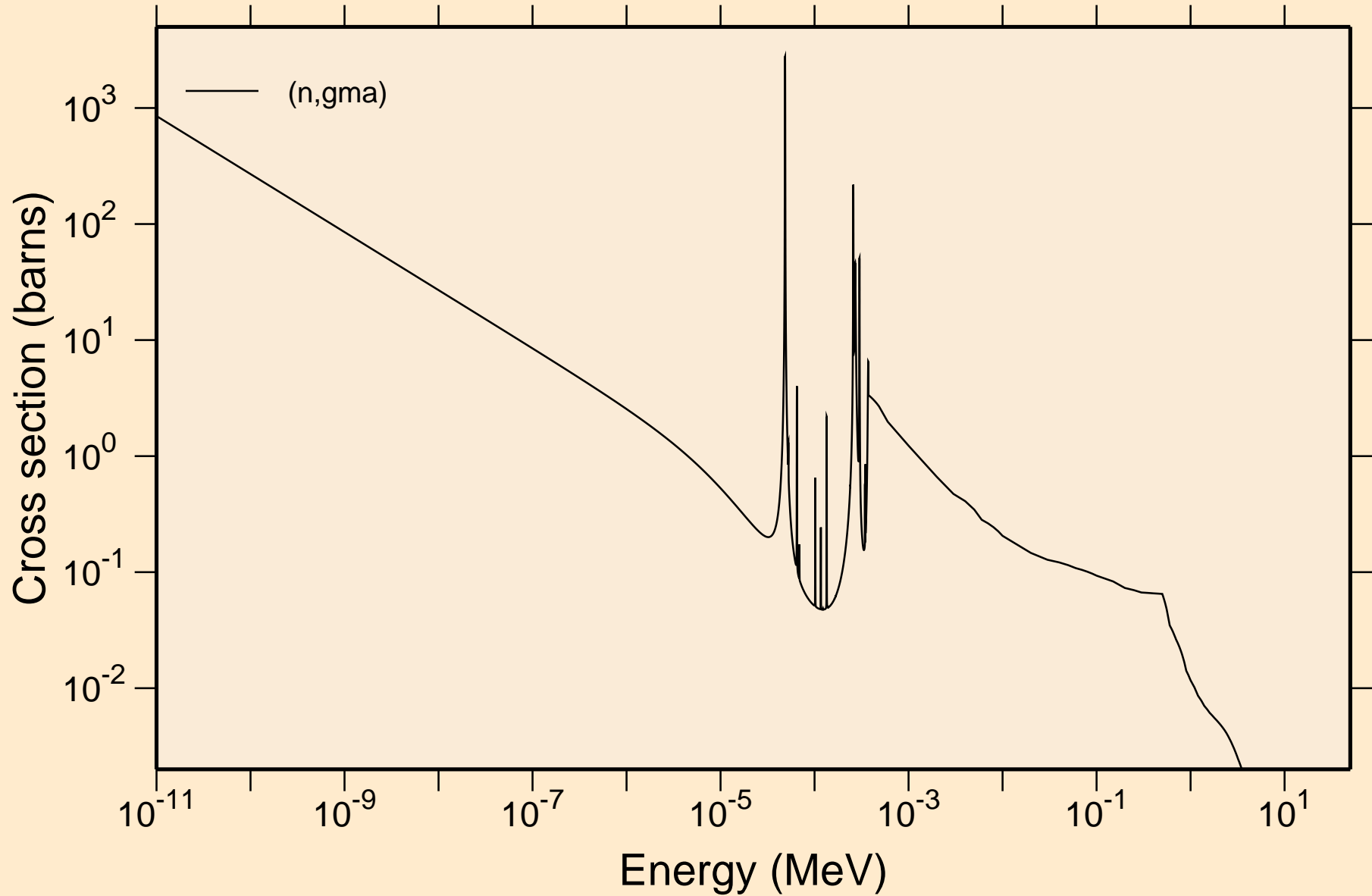


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

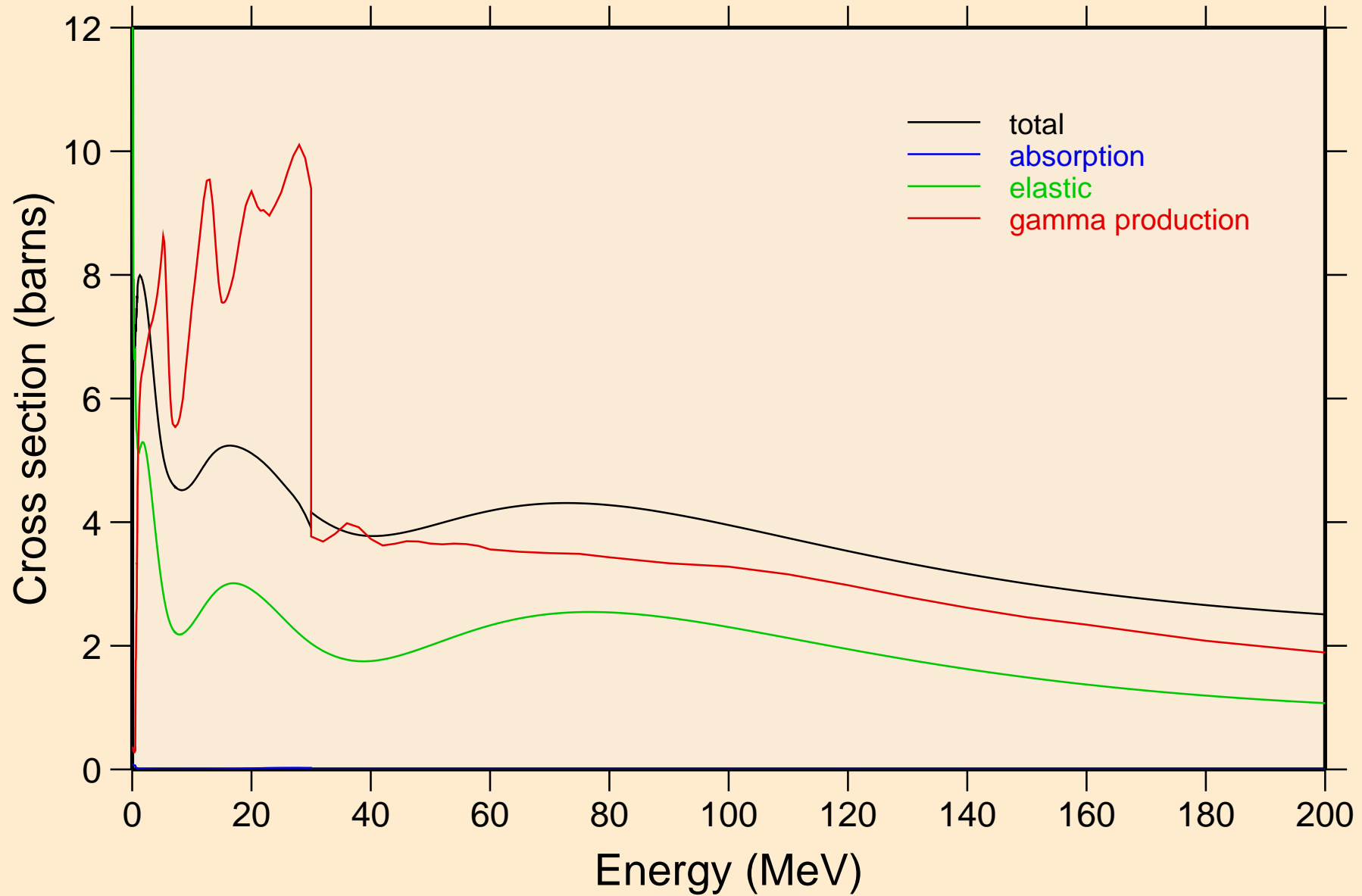


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

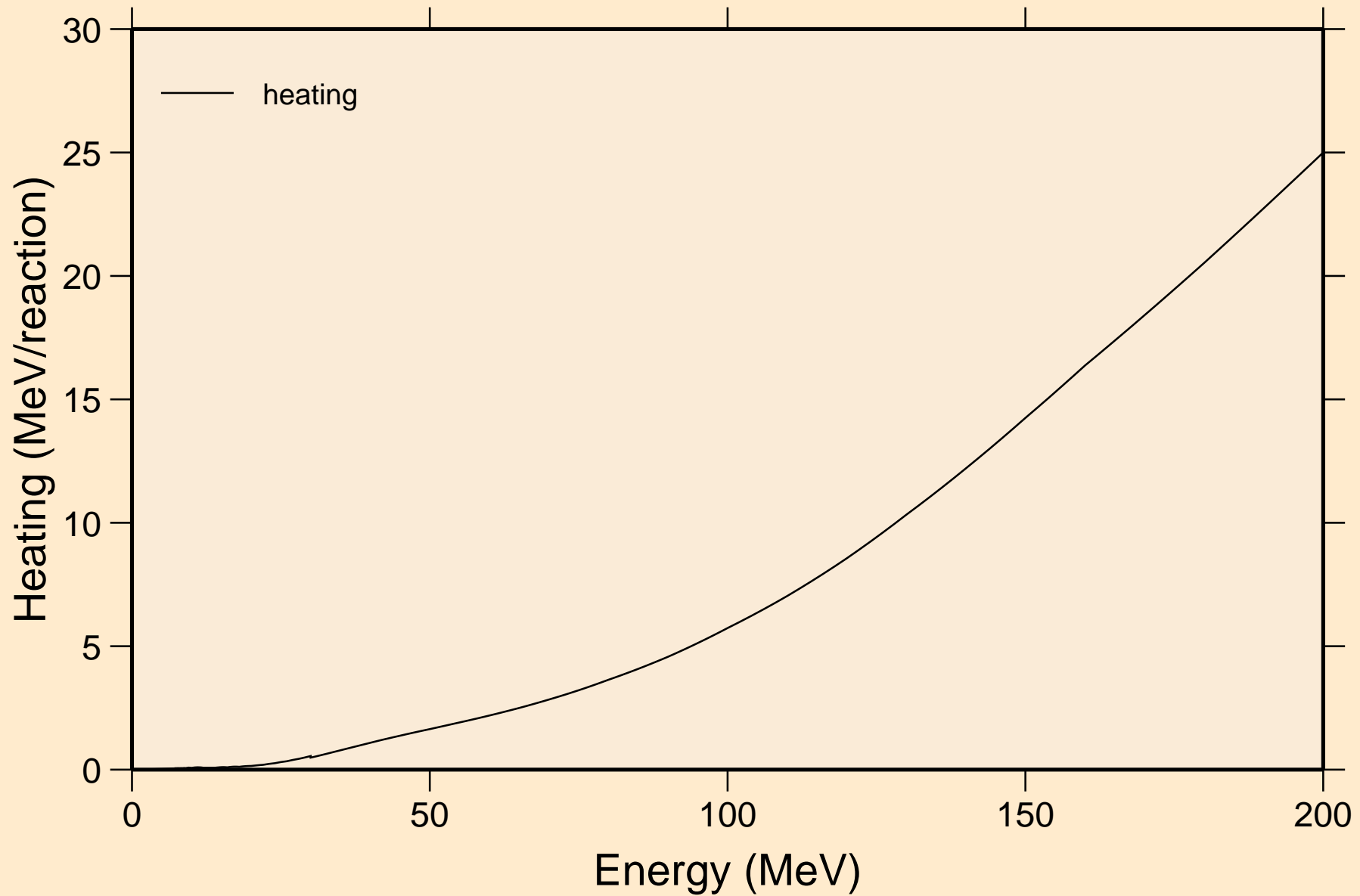


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

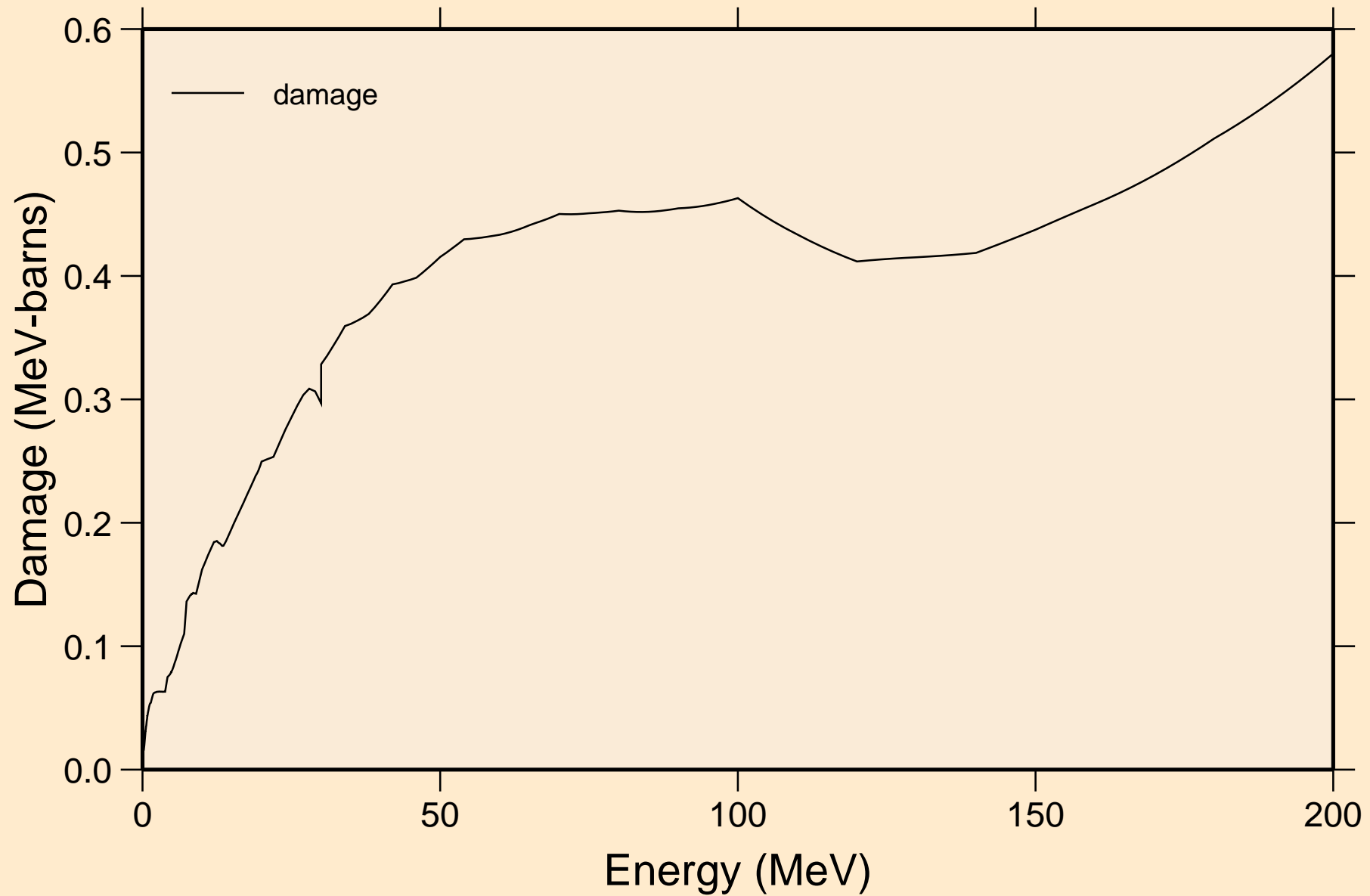
## Principal cross sections



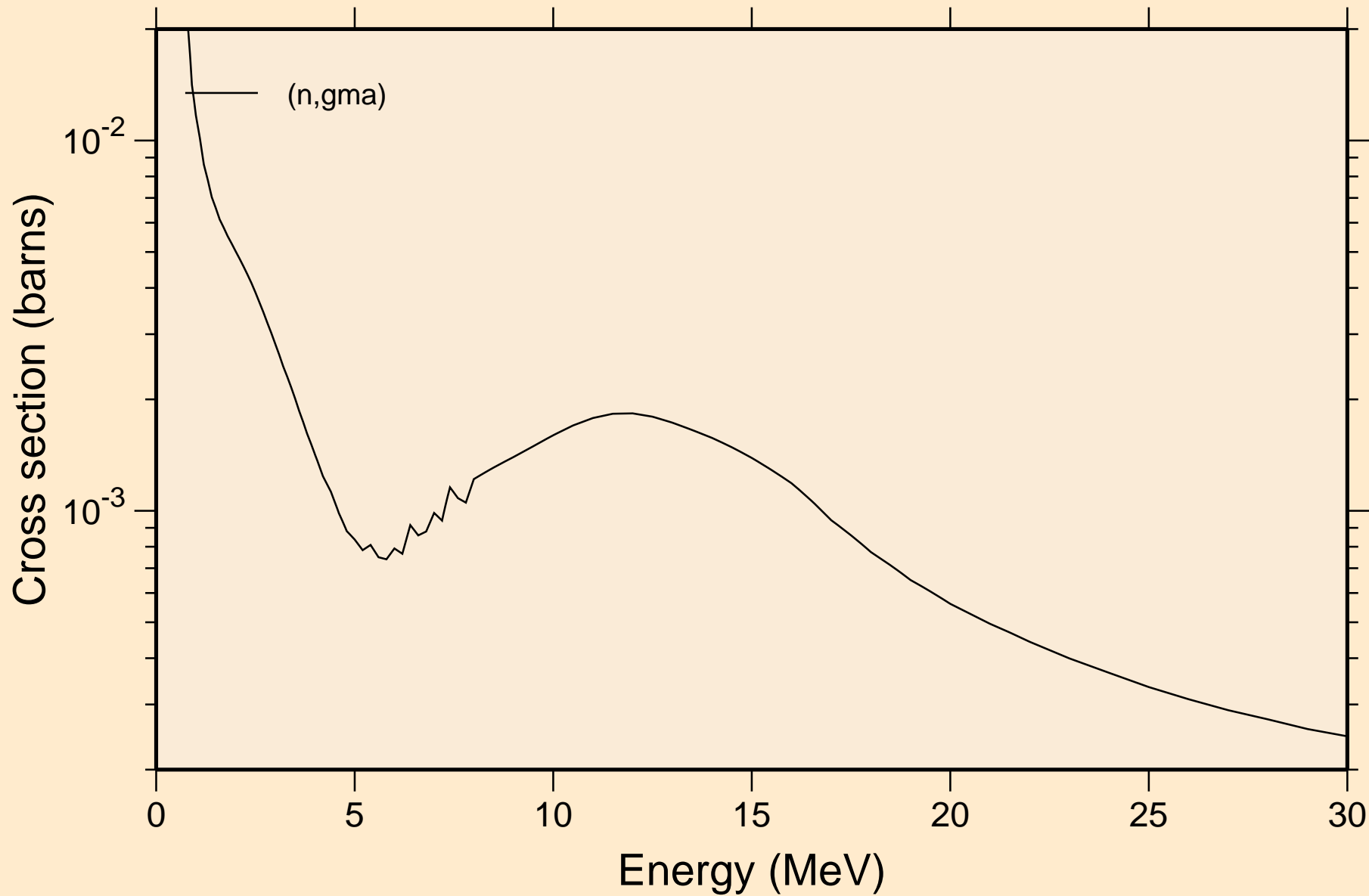
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



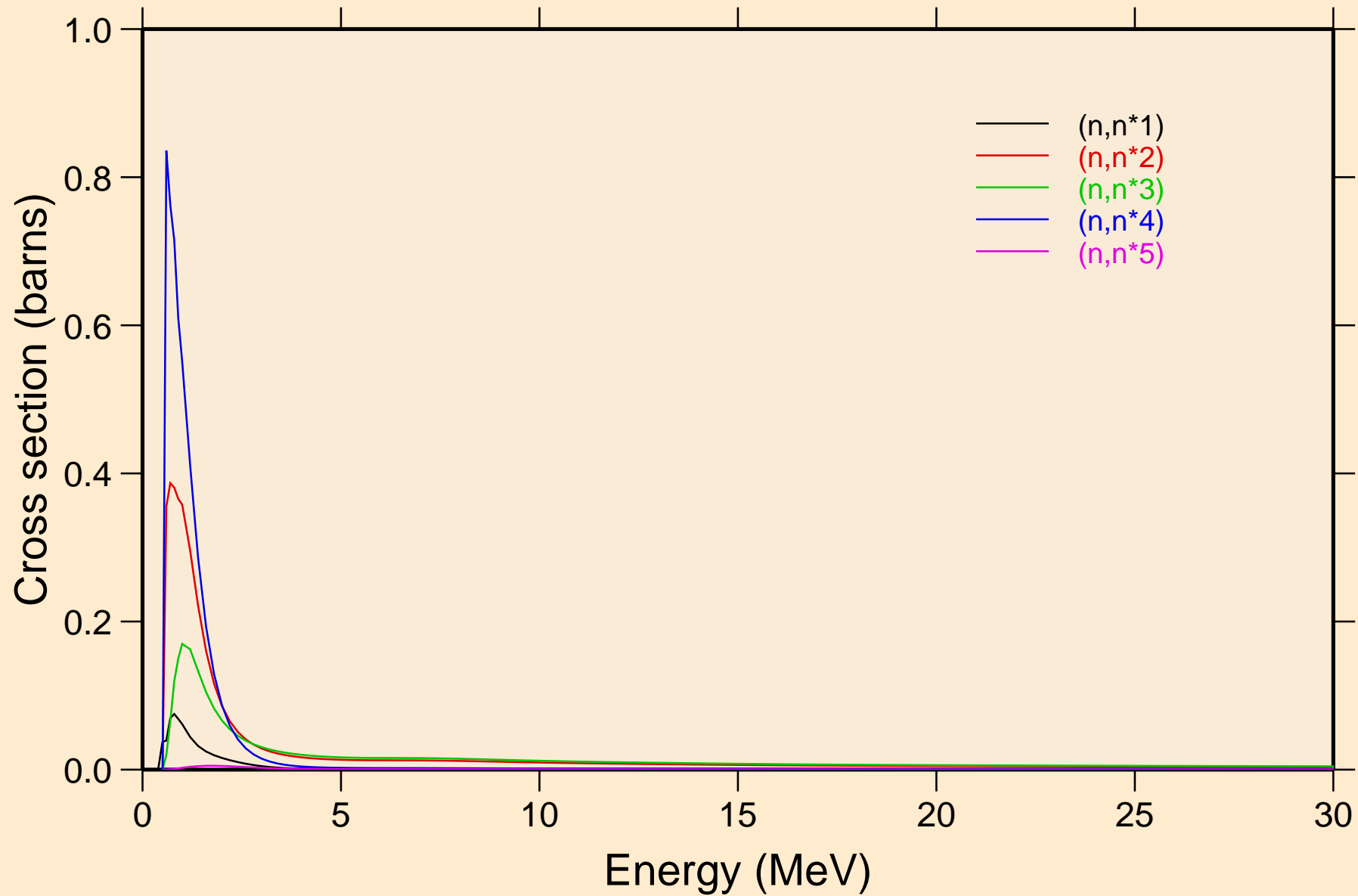
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

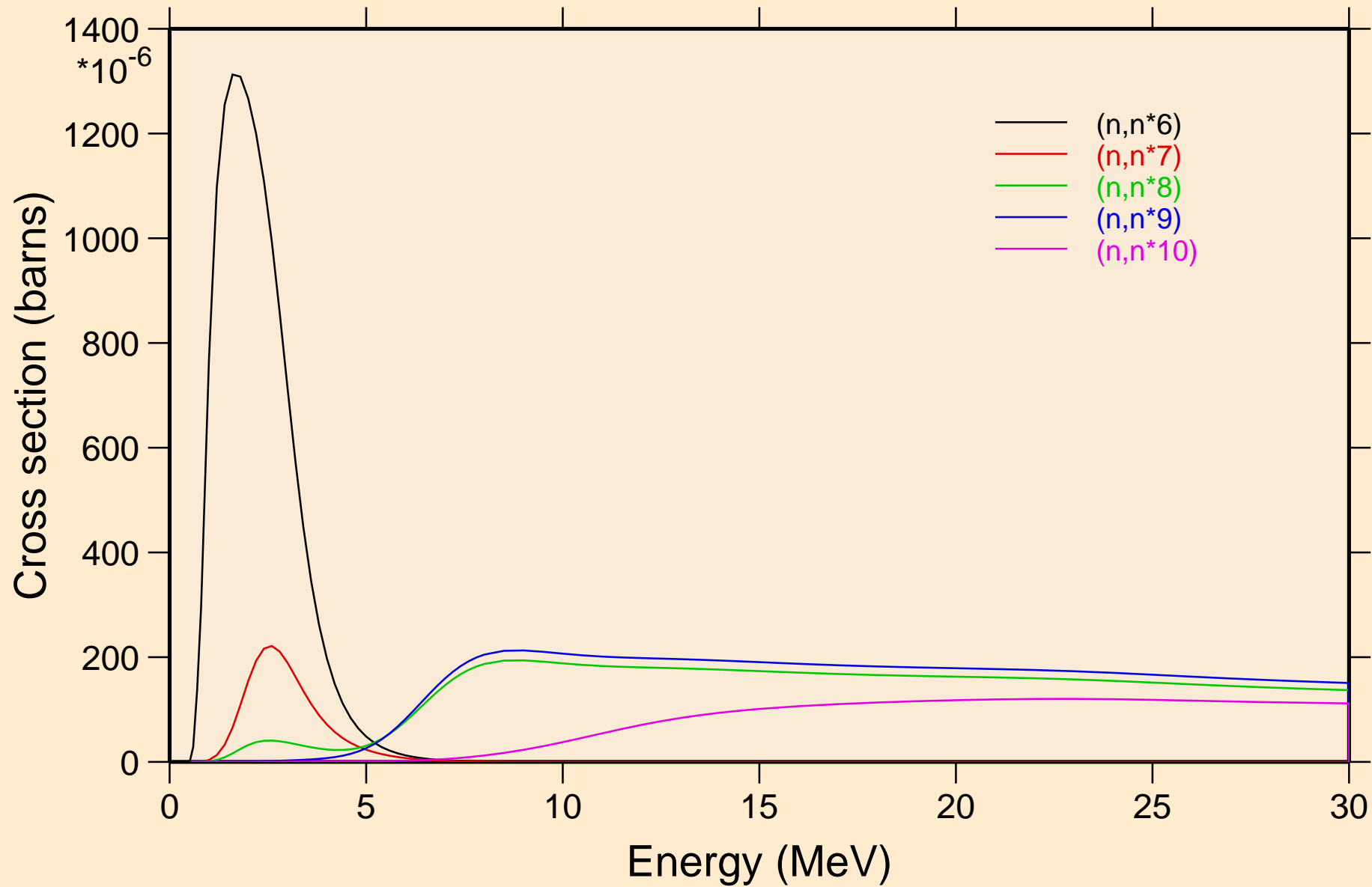


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

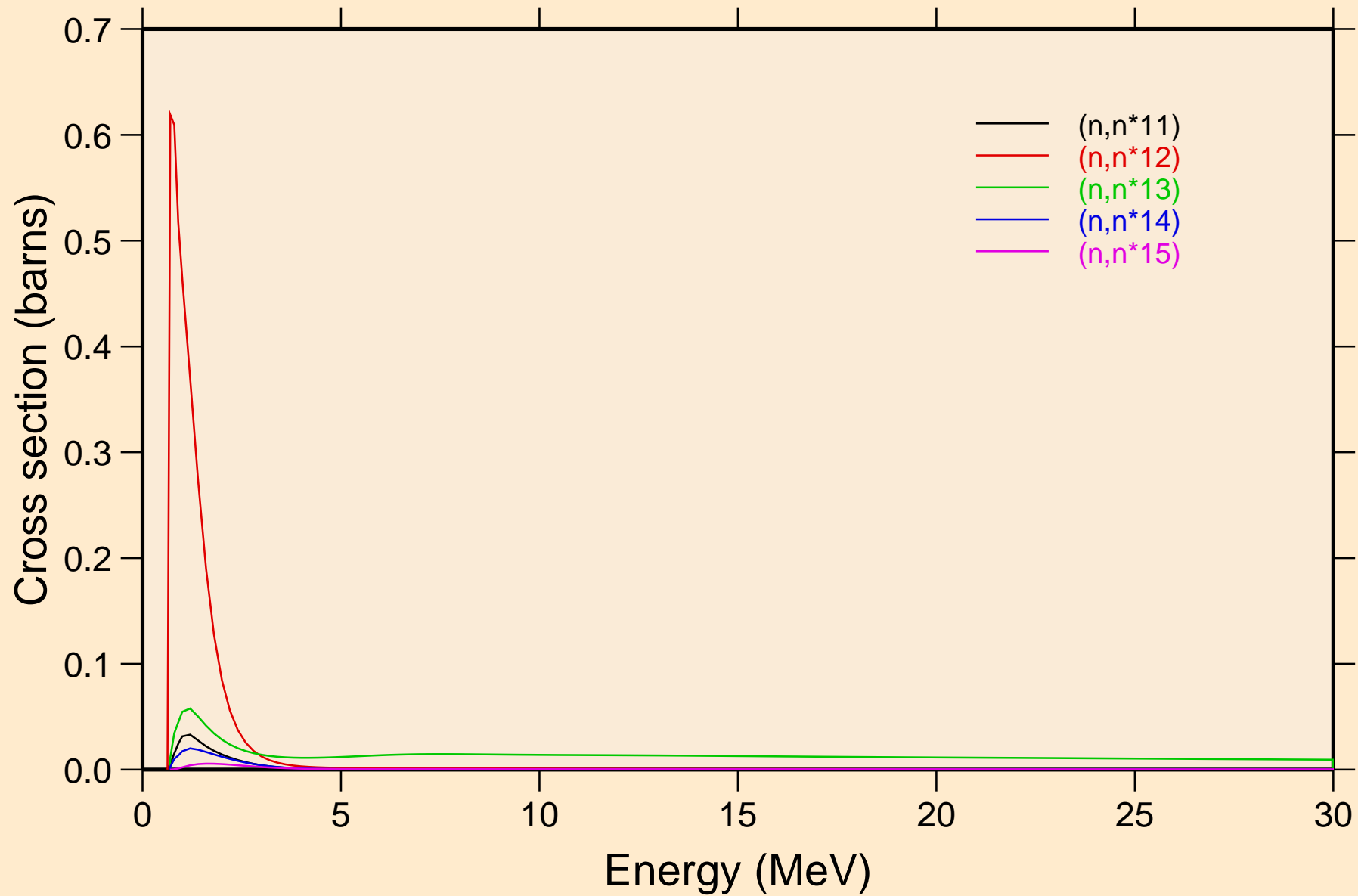


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Inelastic levels

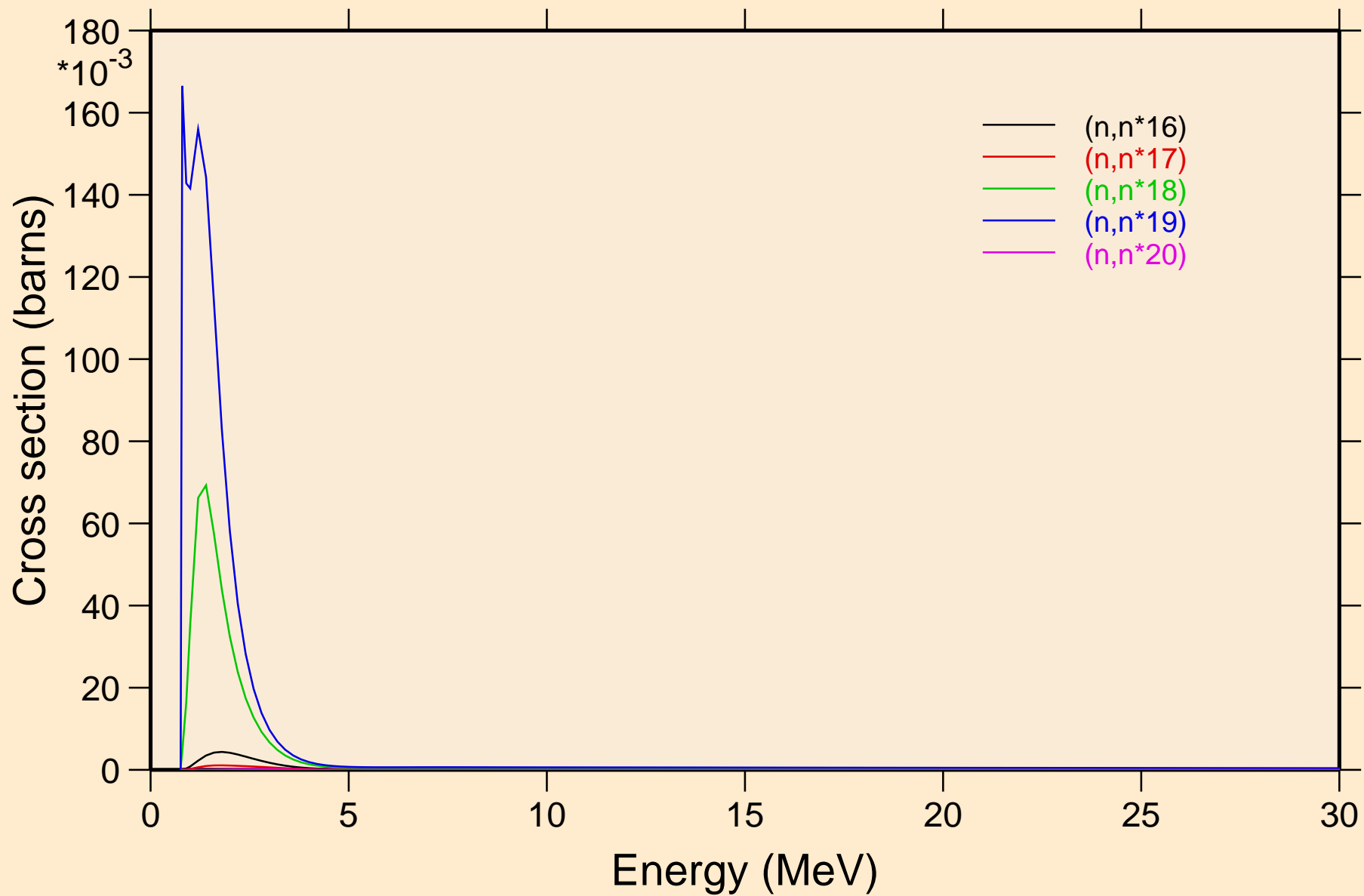


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

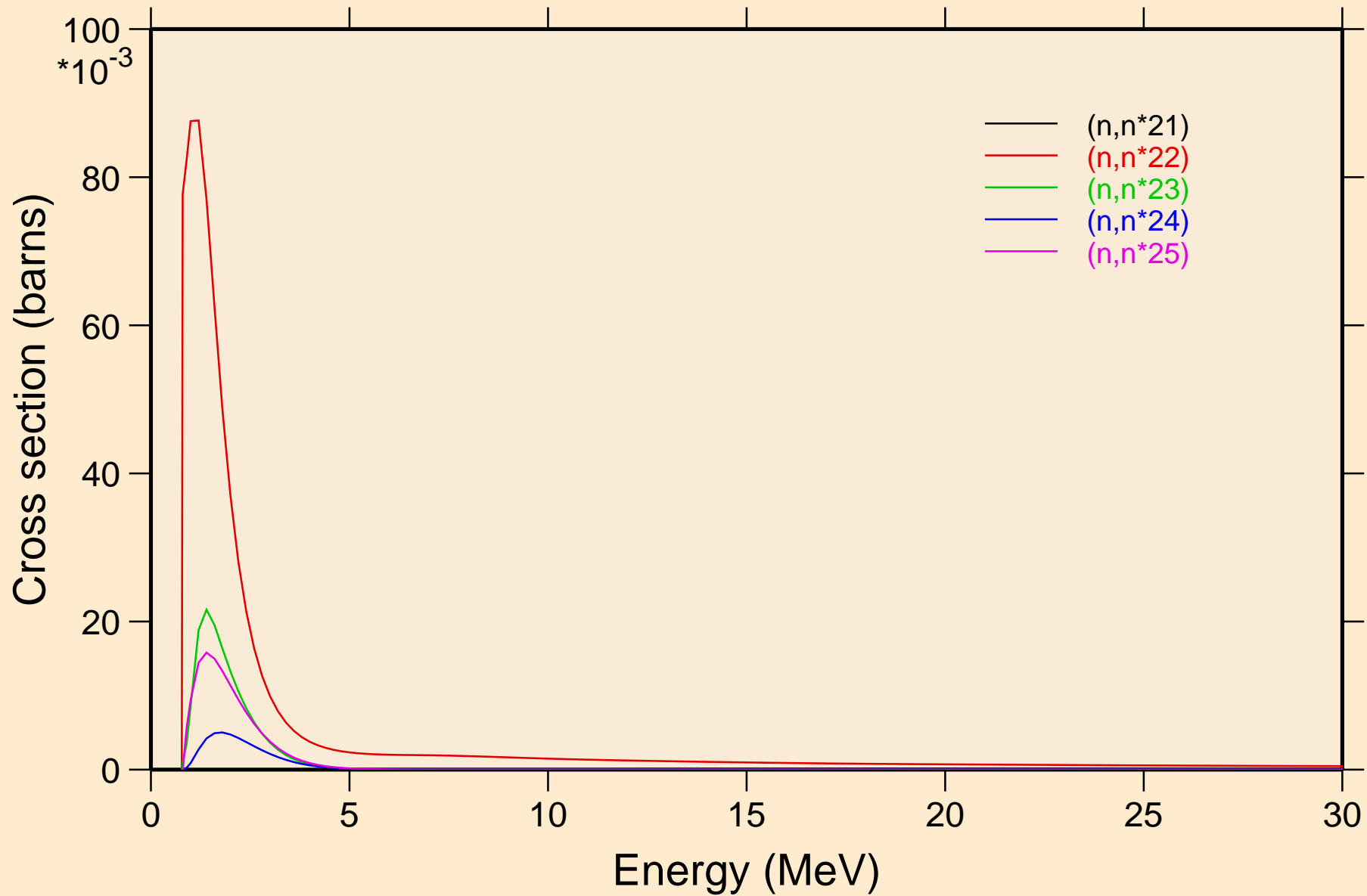


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

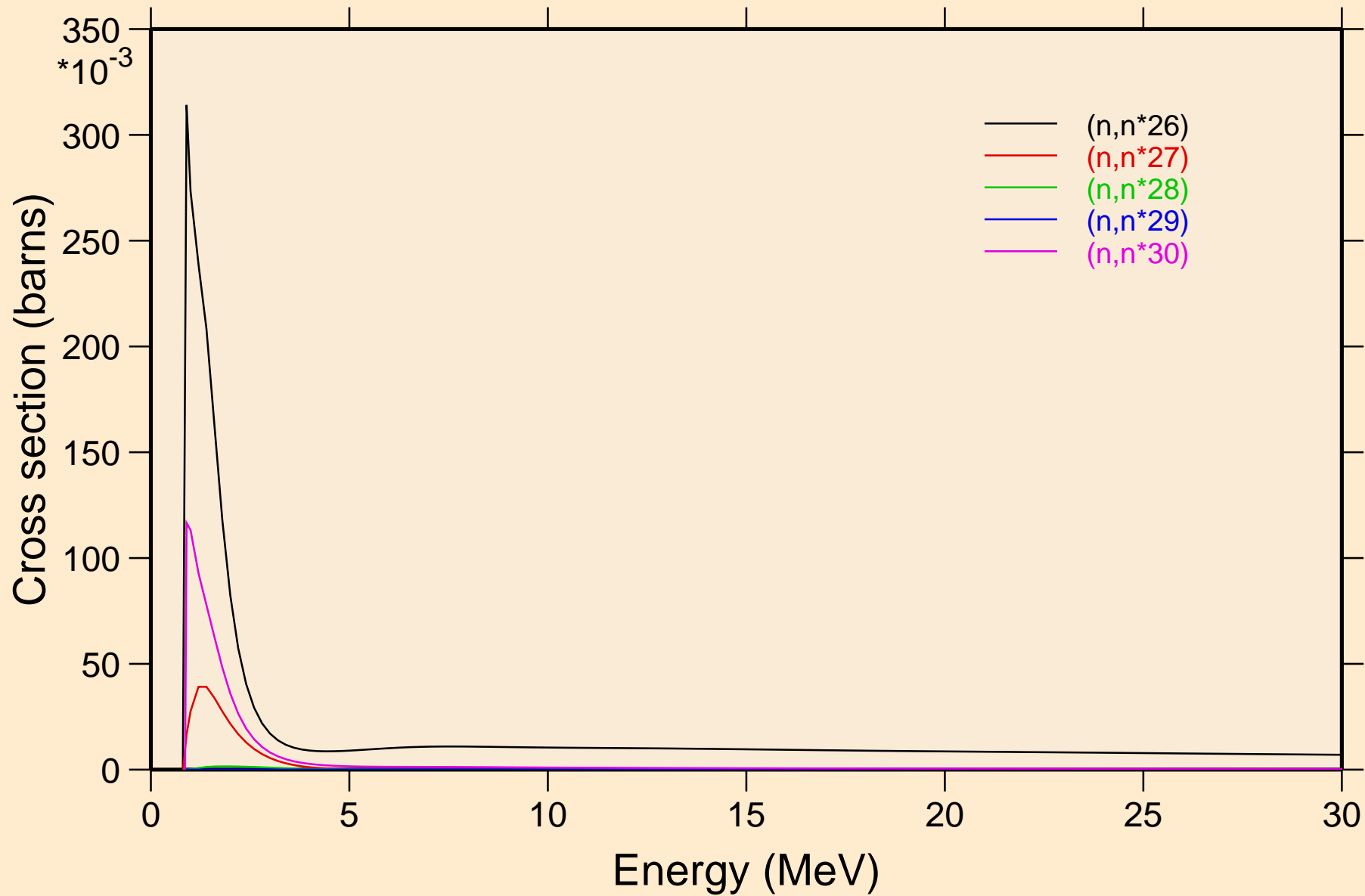
## Inelastic levels



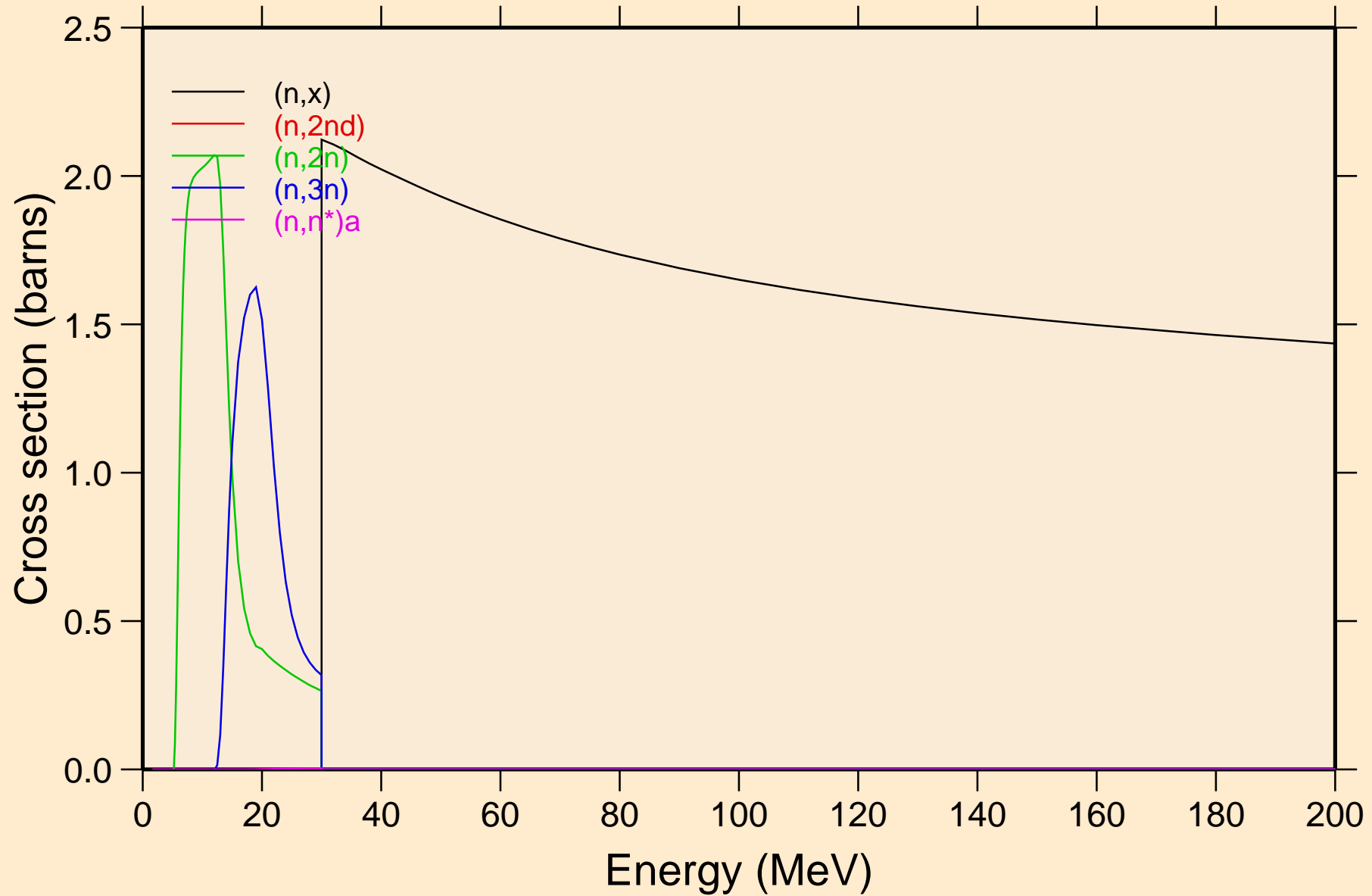
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

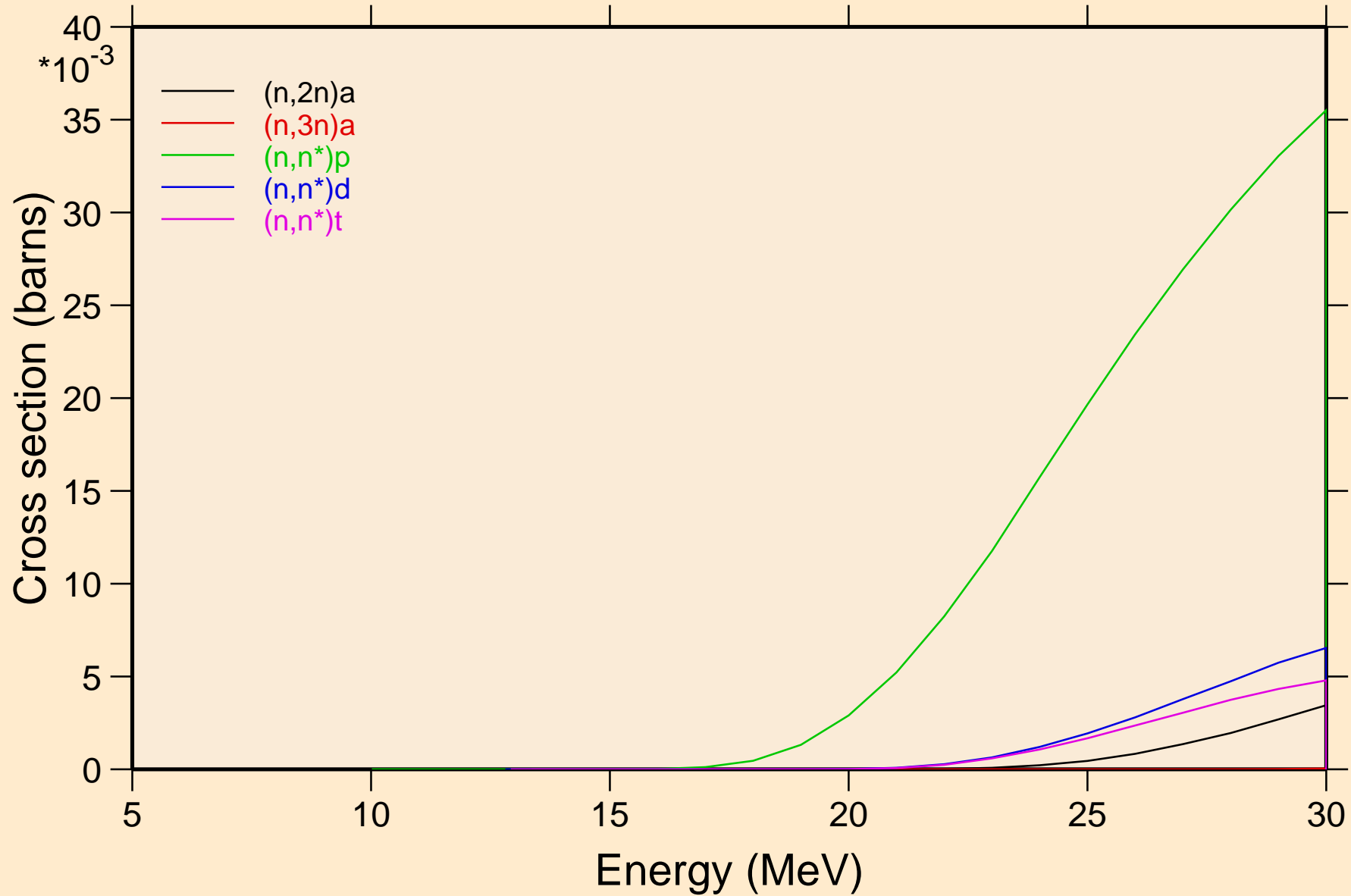


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

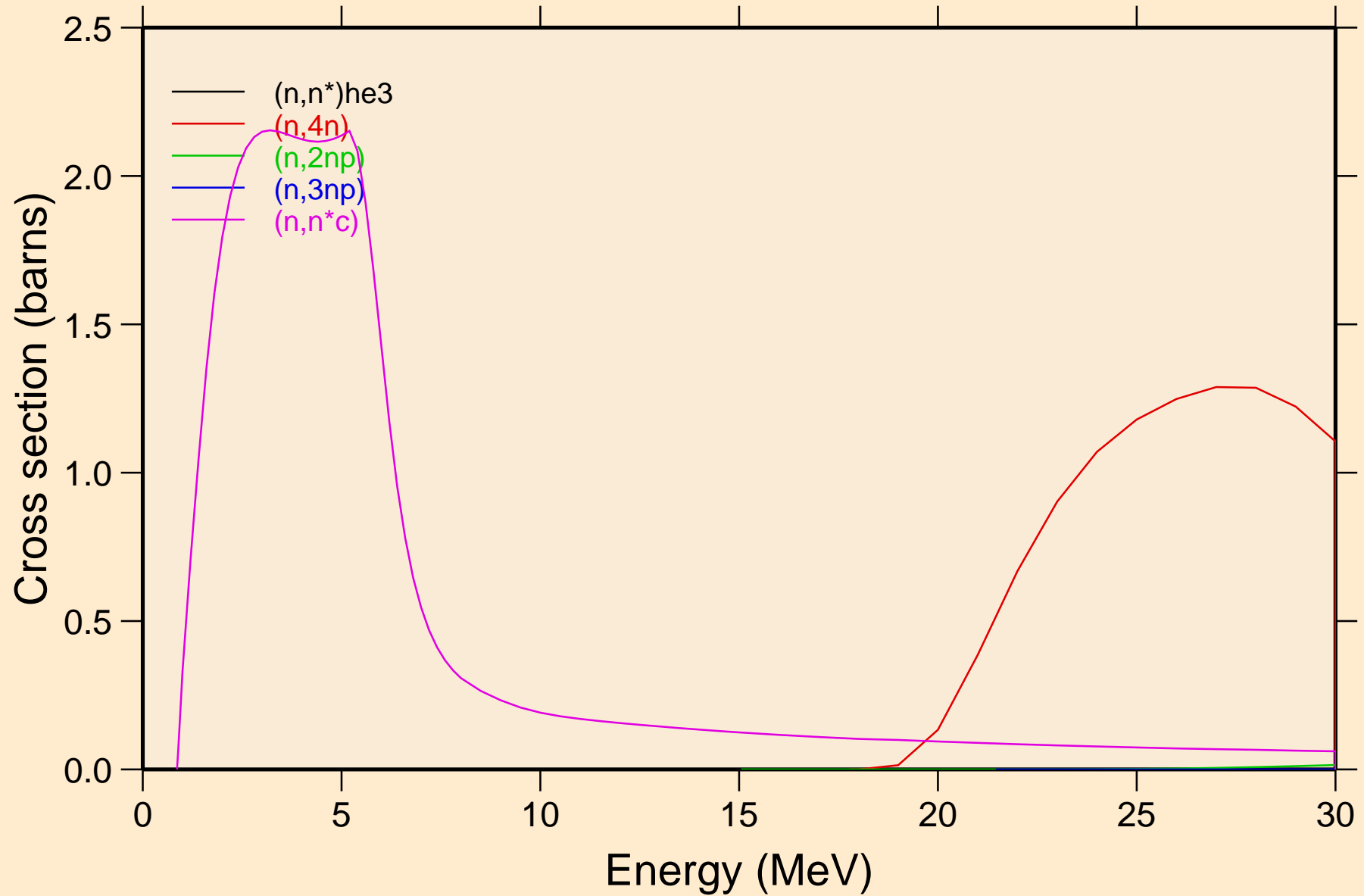


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

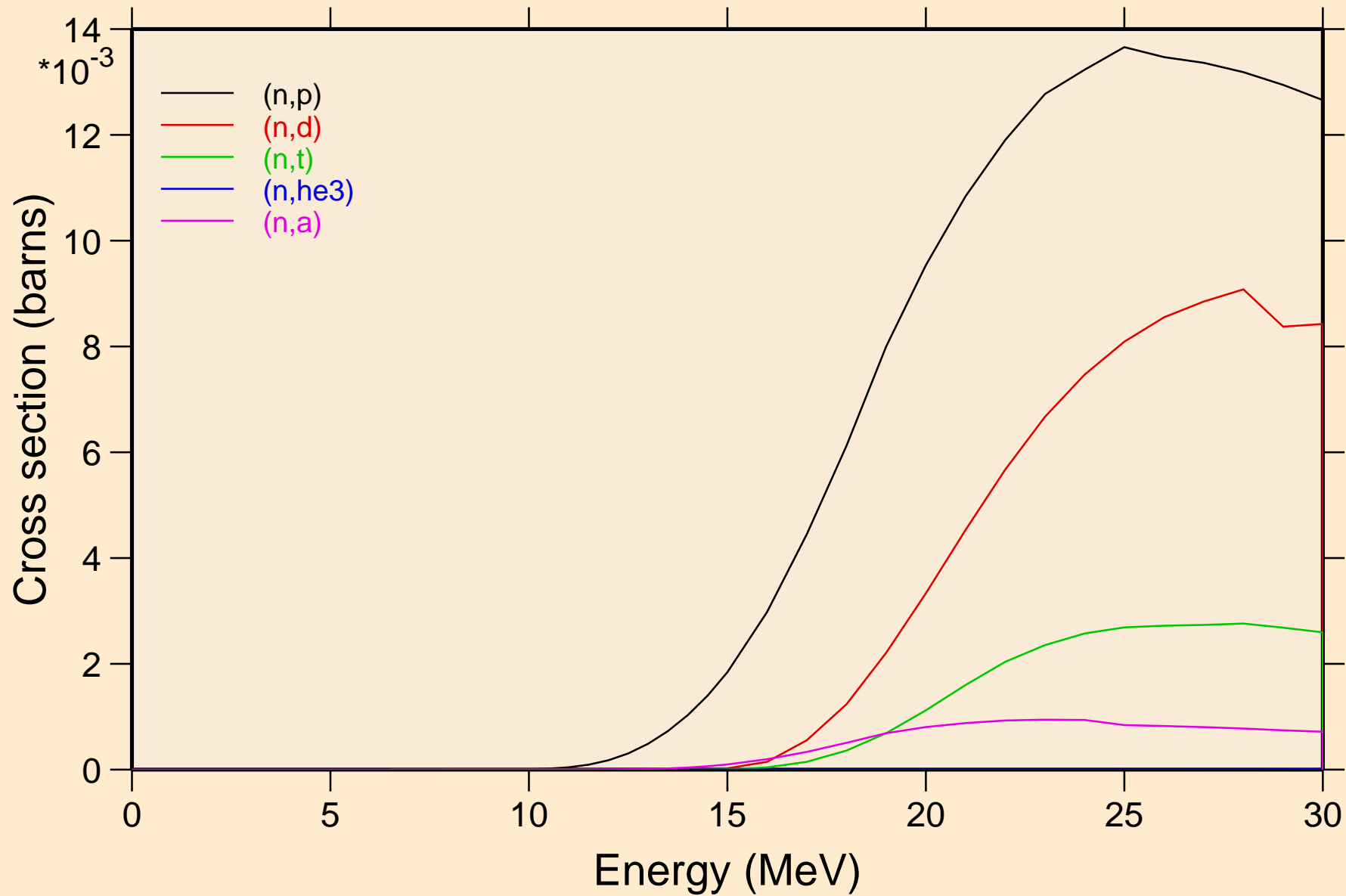


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

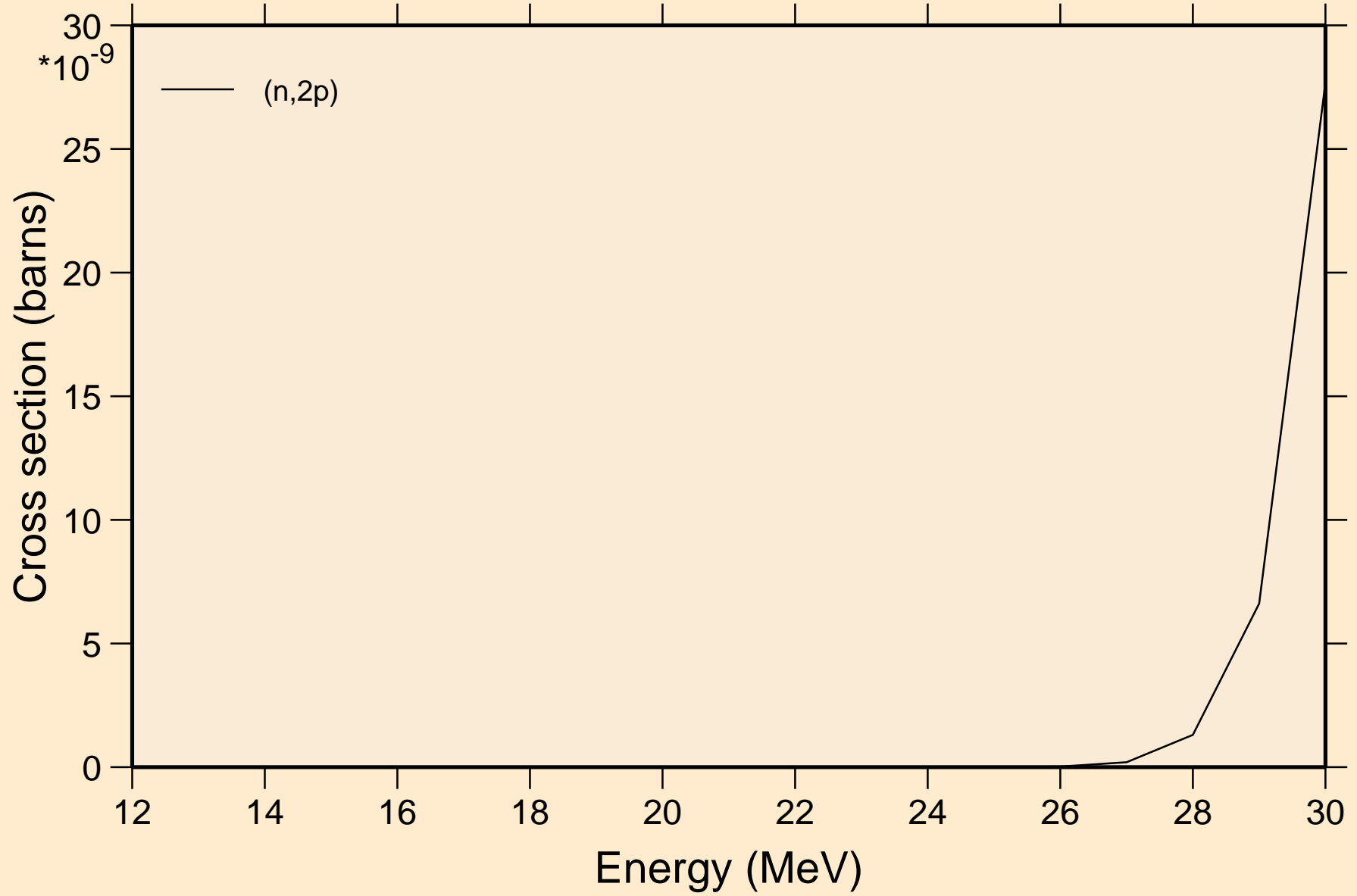


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

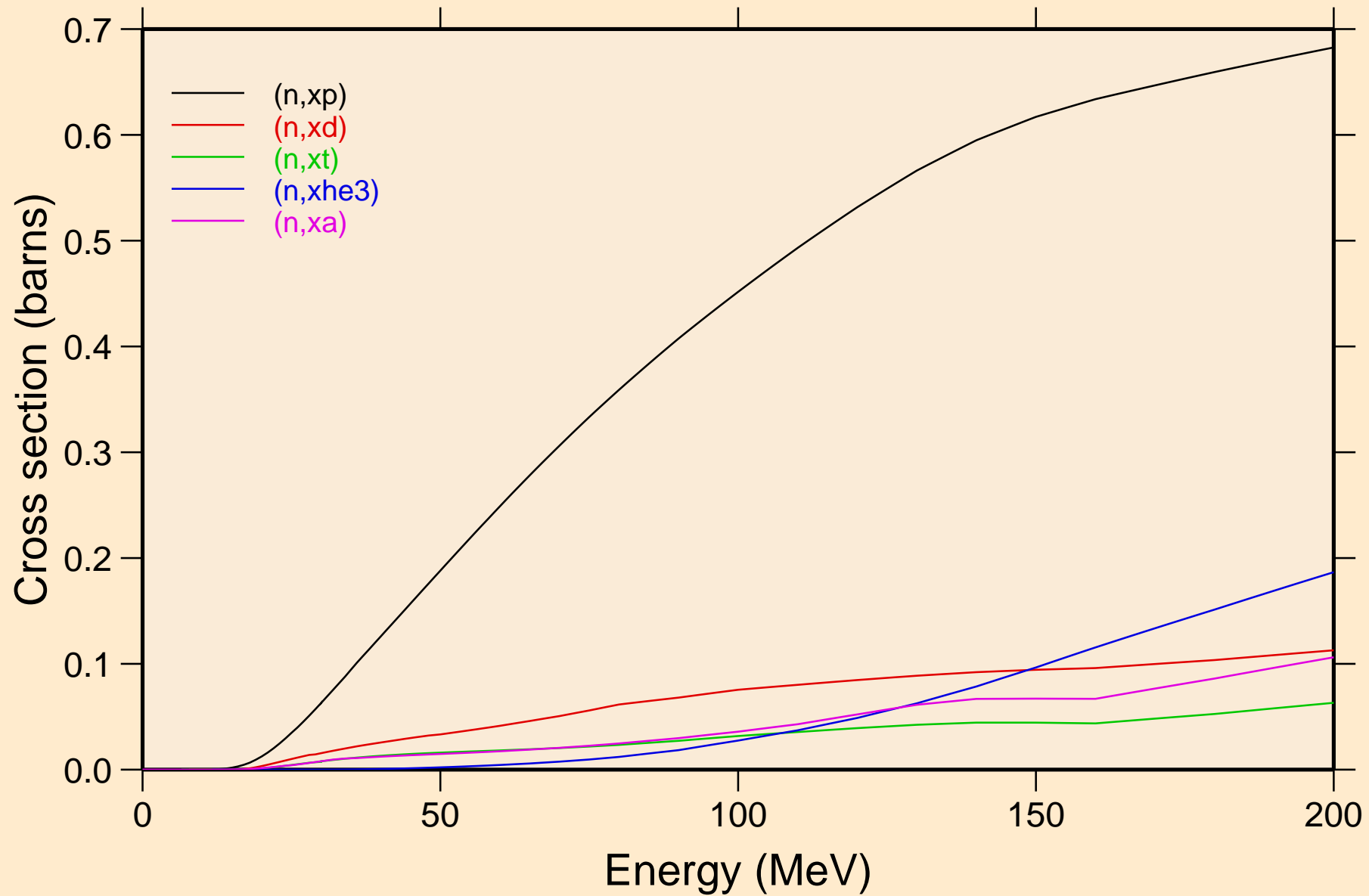


GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

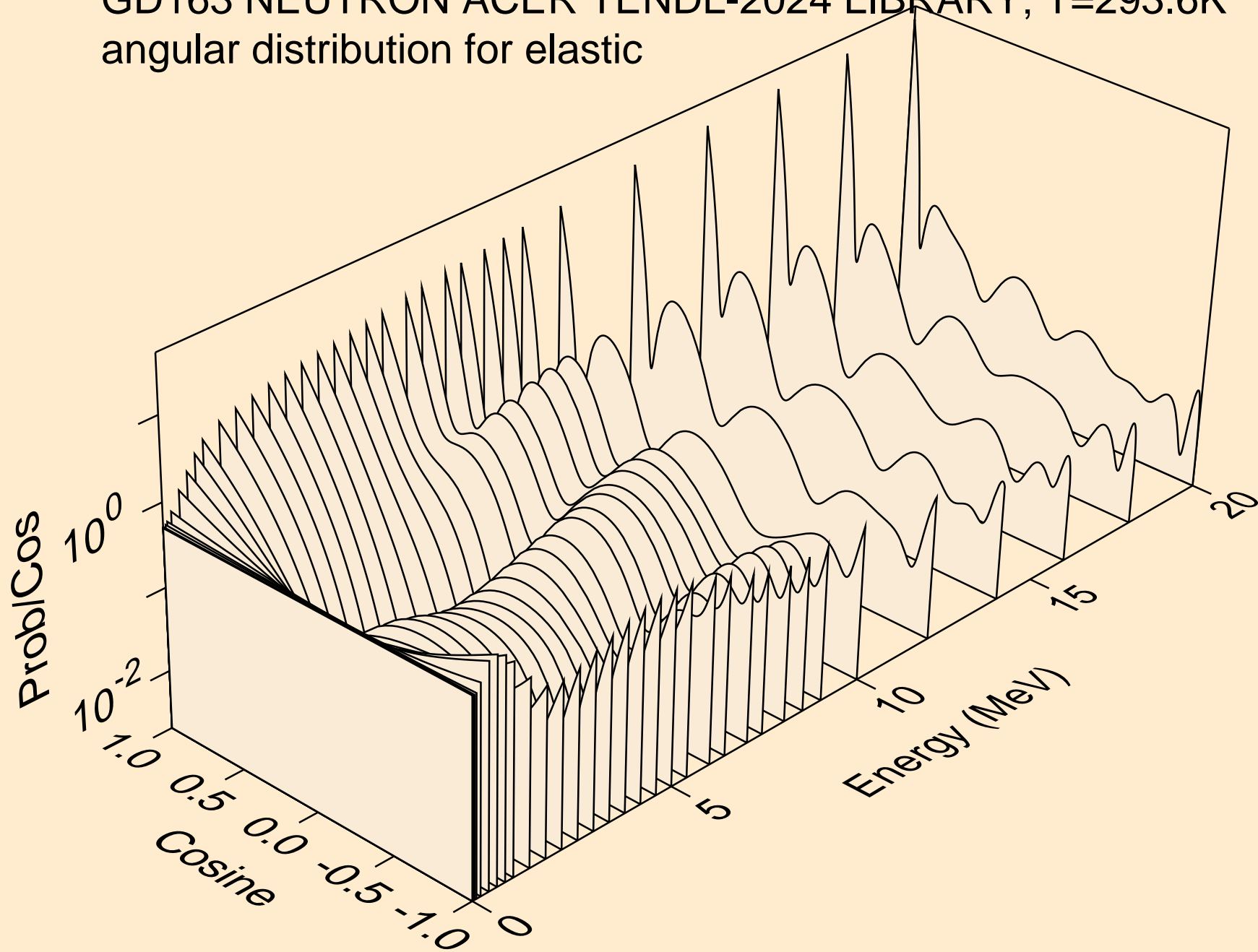


# GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

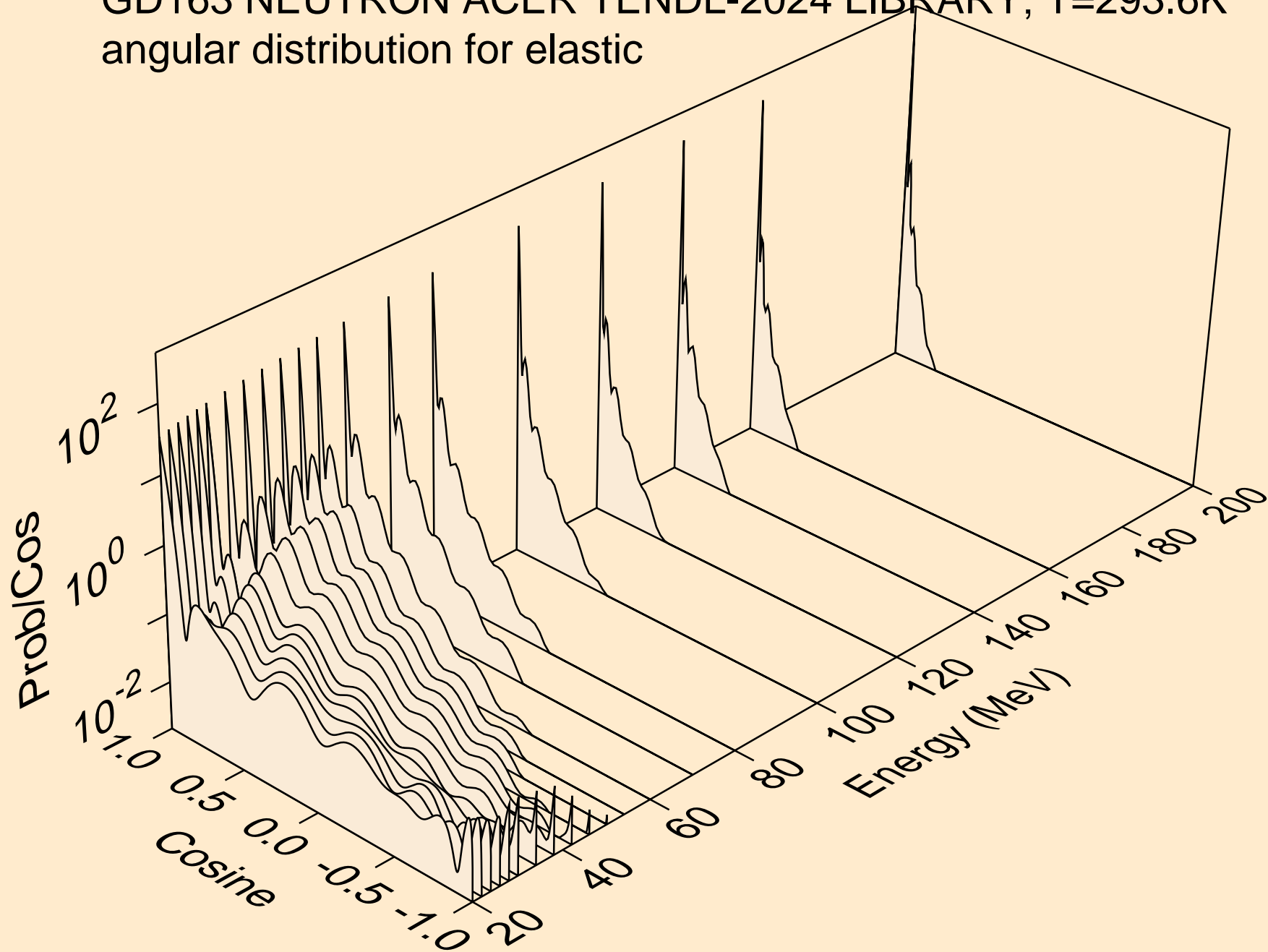
## Threshold reactions



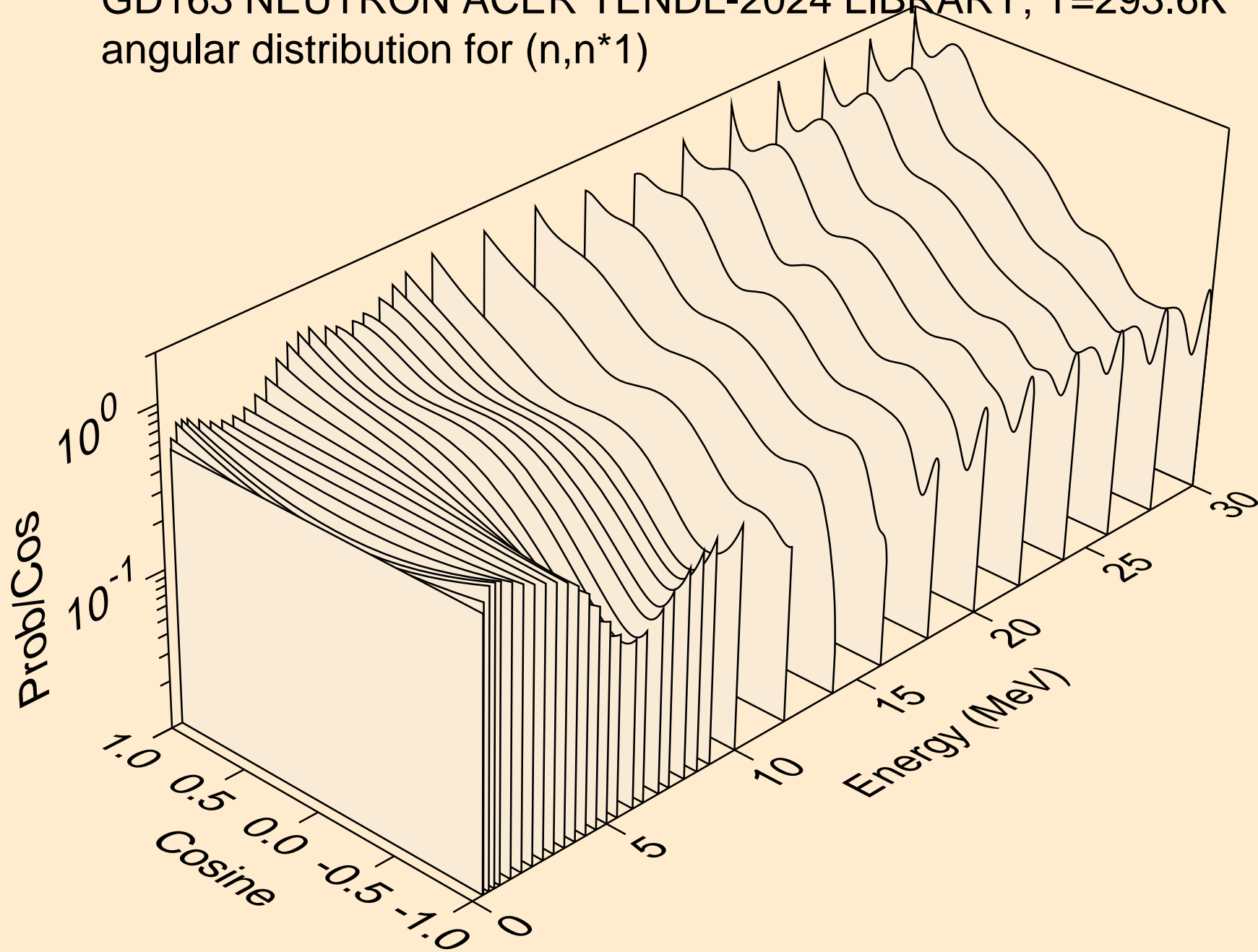
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



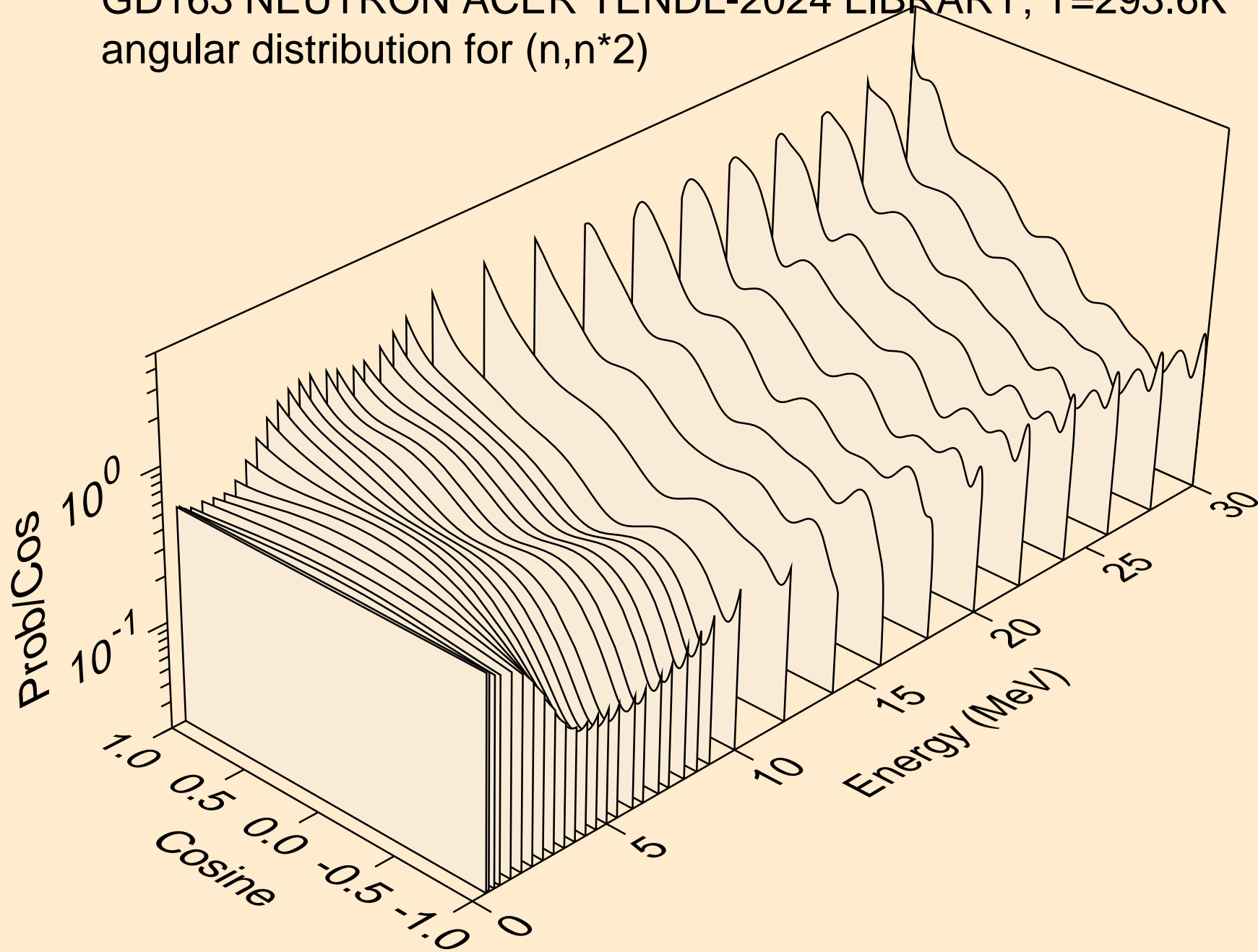
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



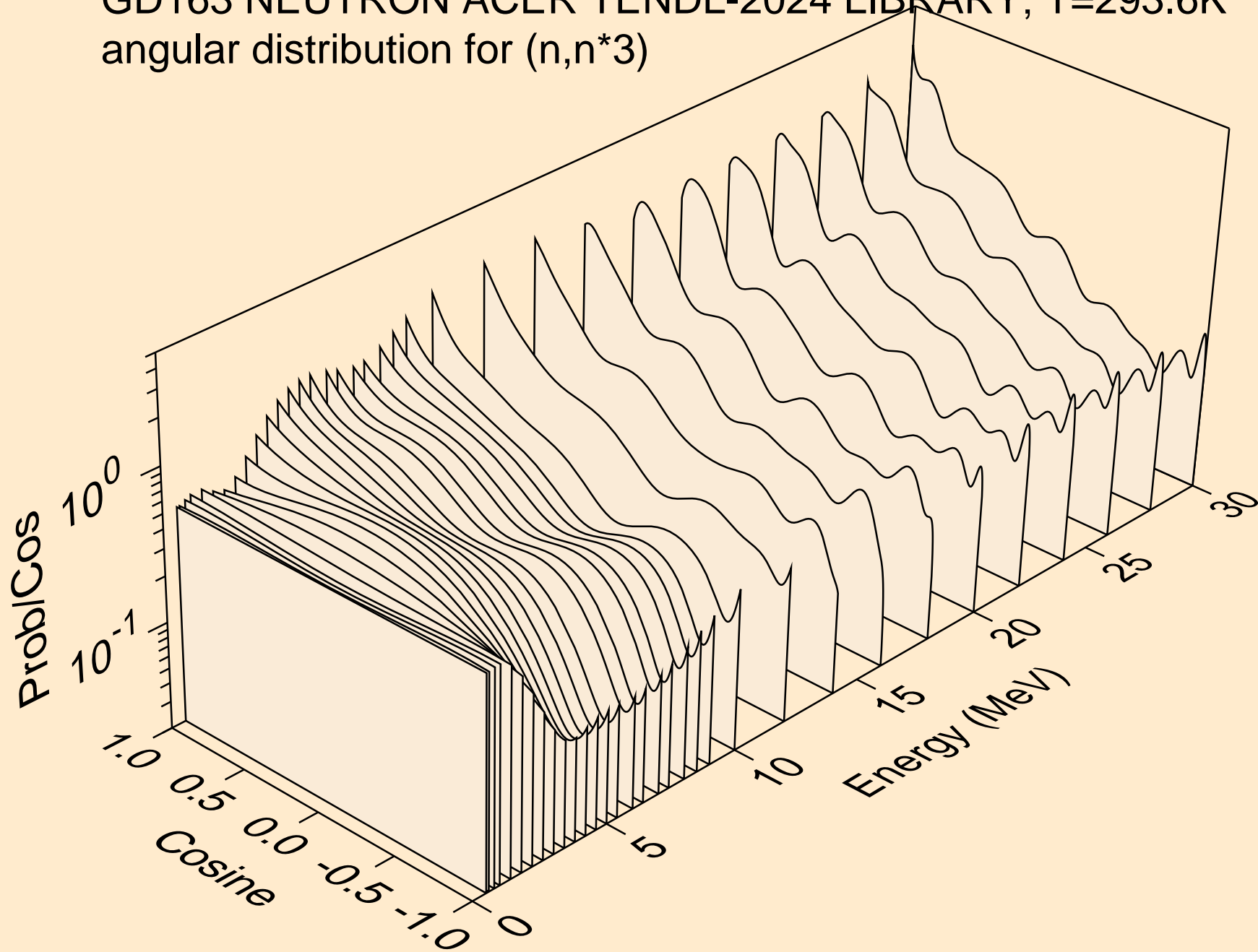
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



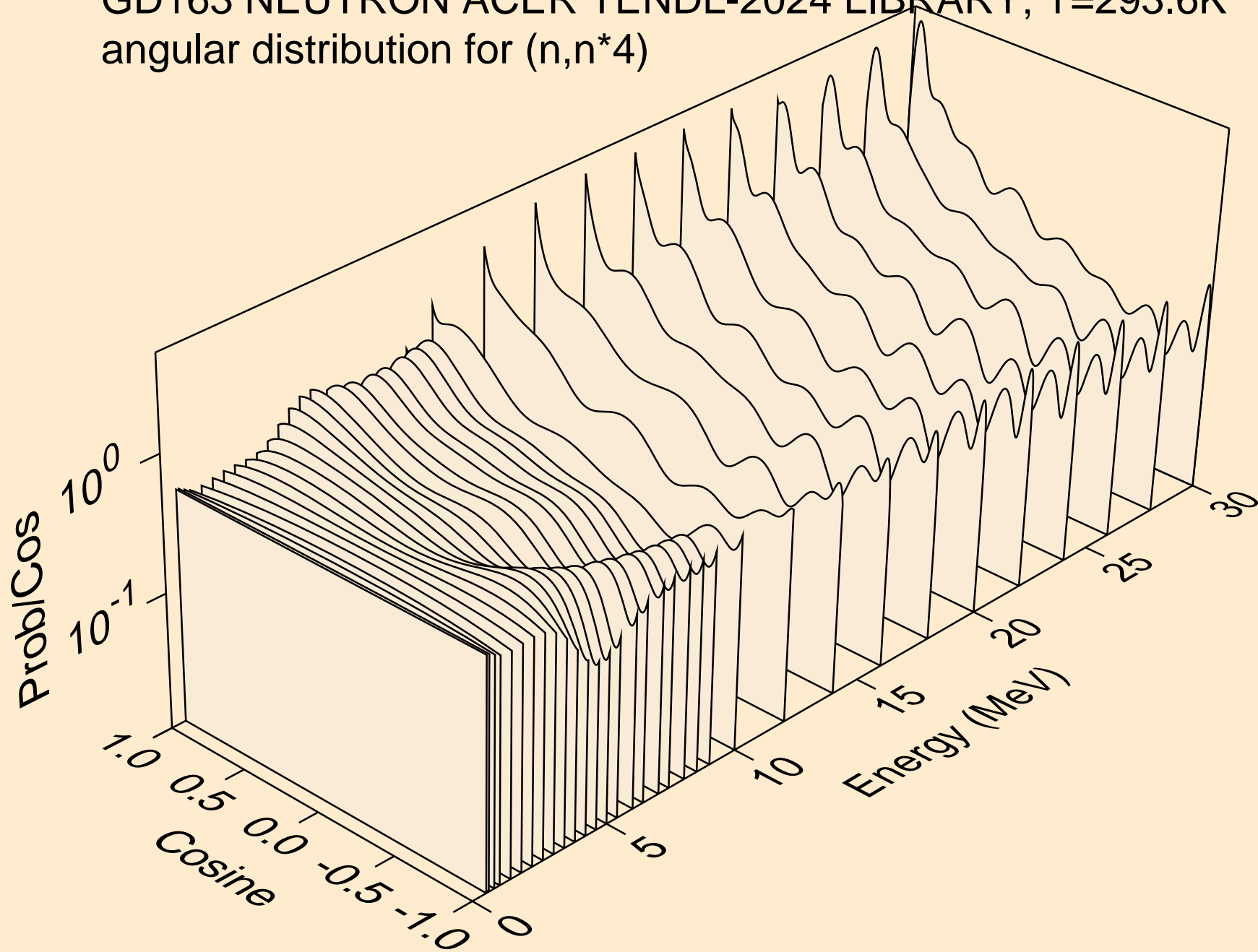
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



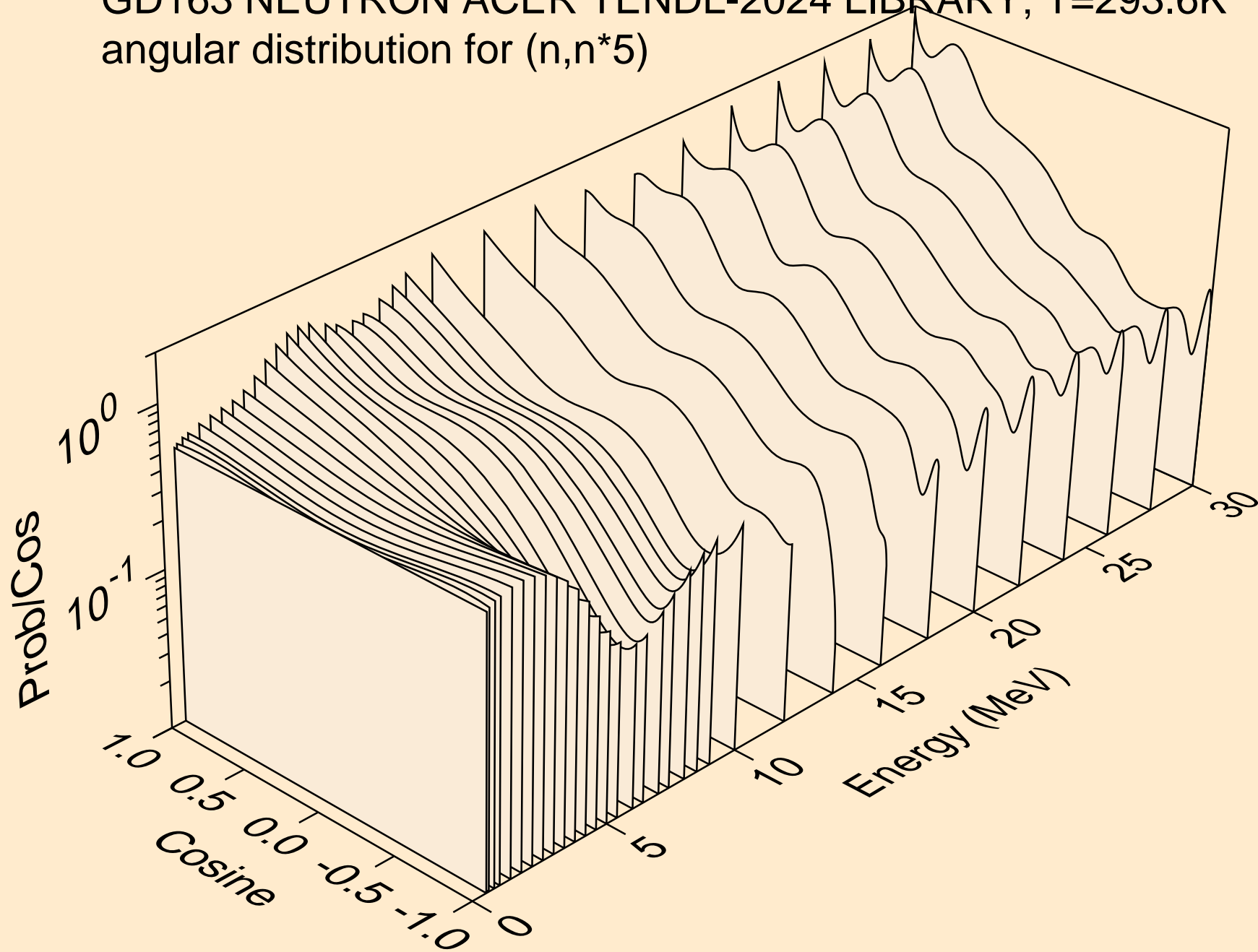
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



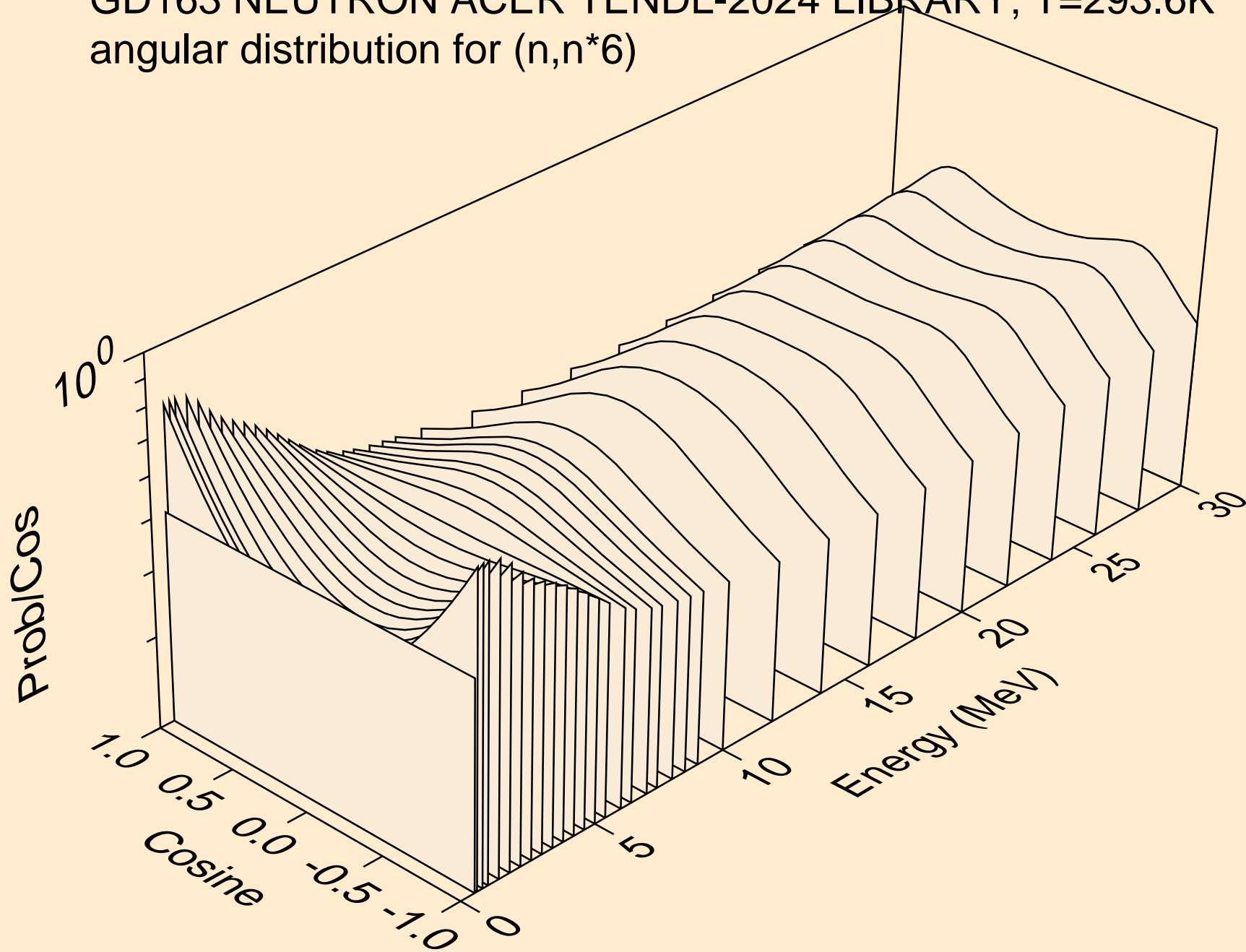
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



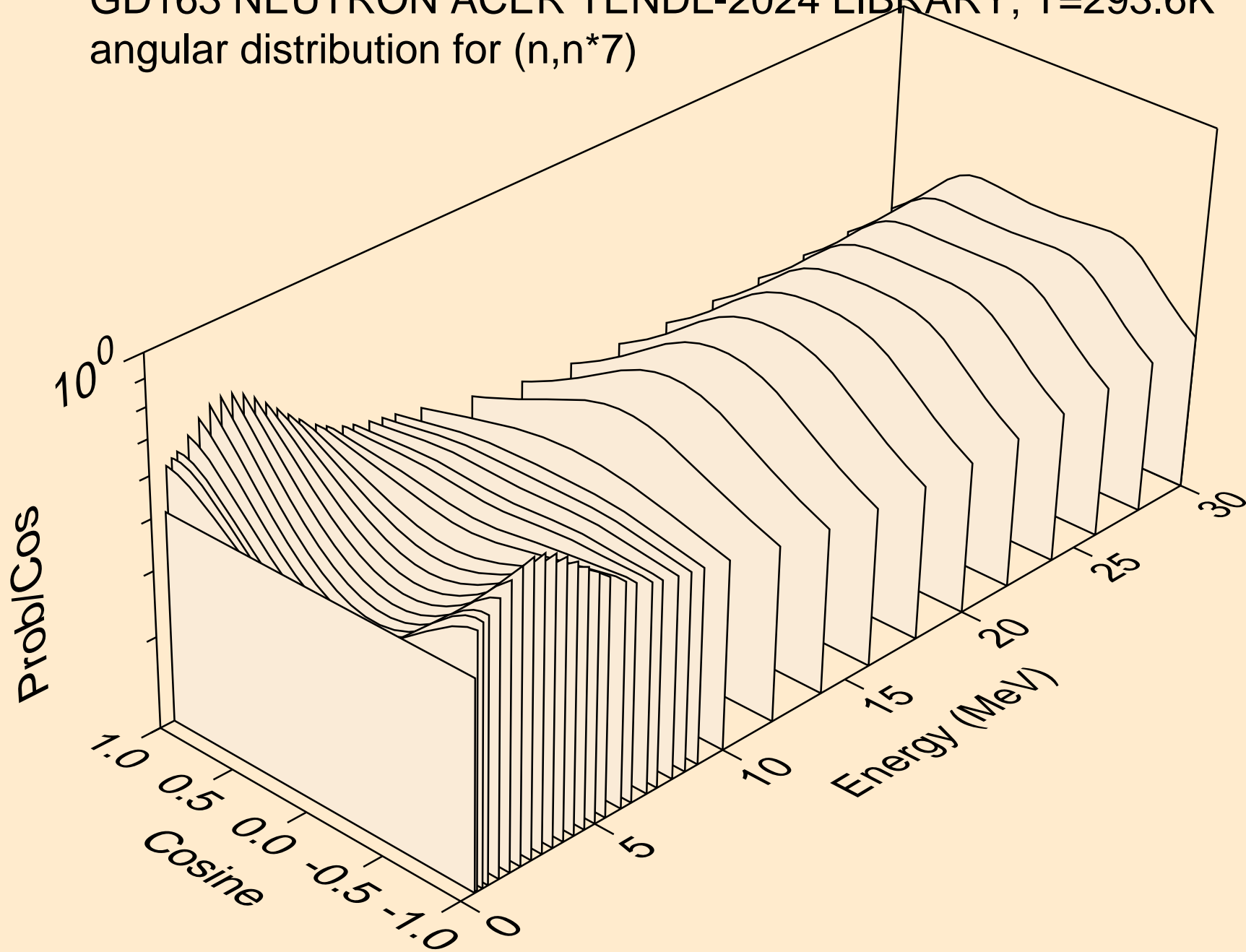
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



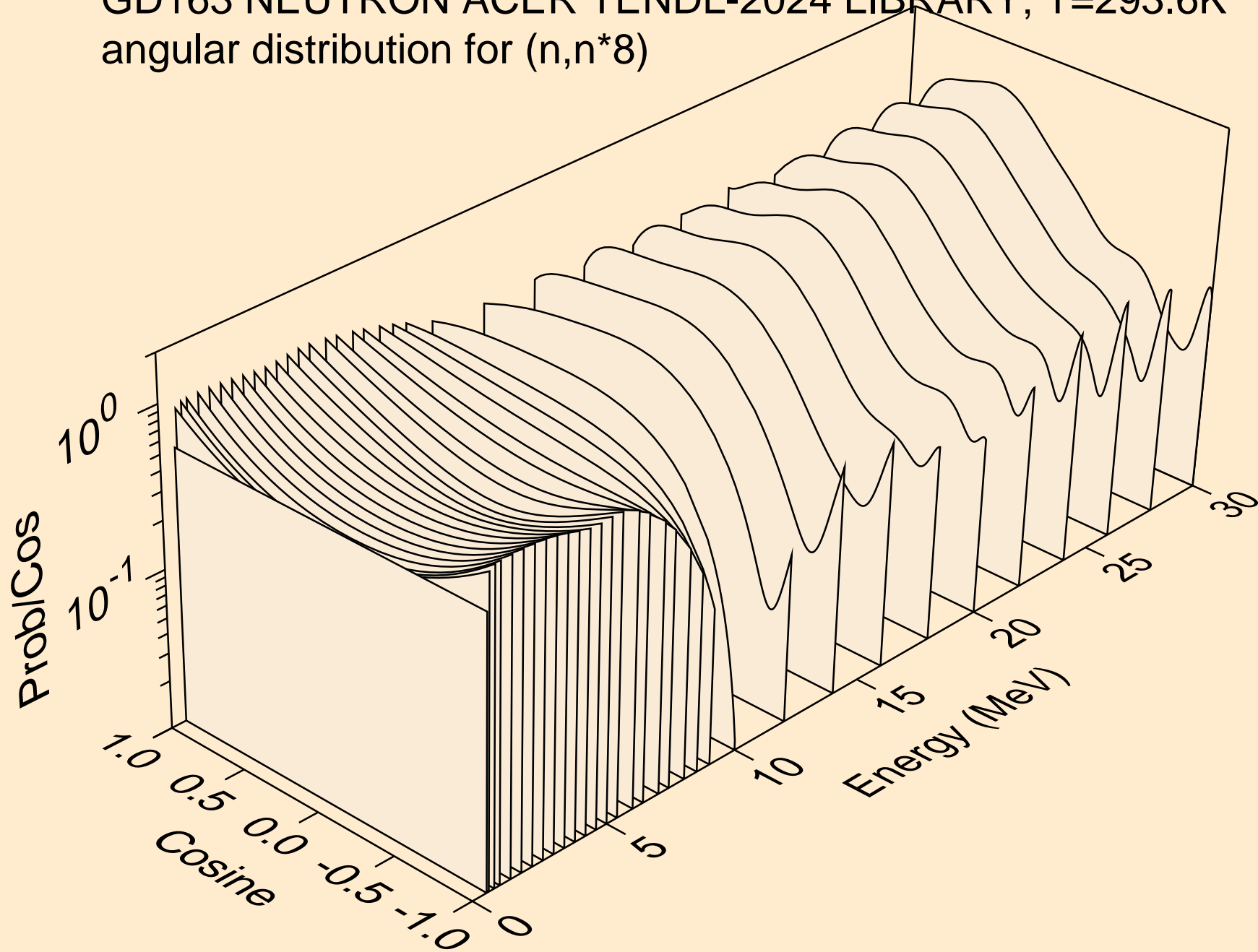
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



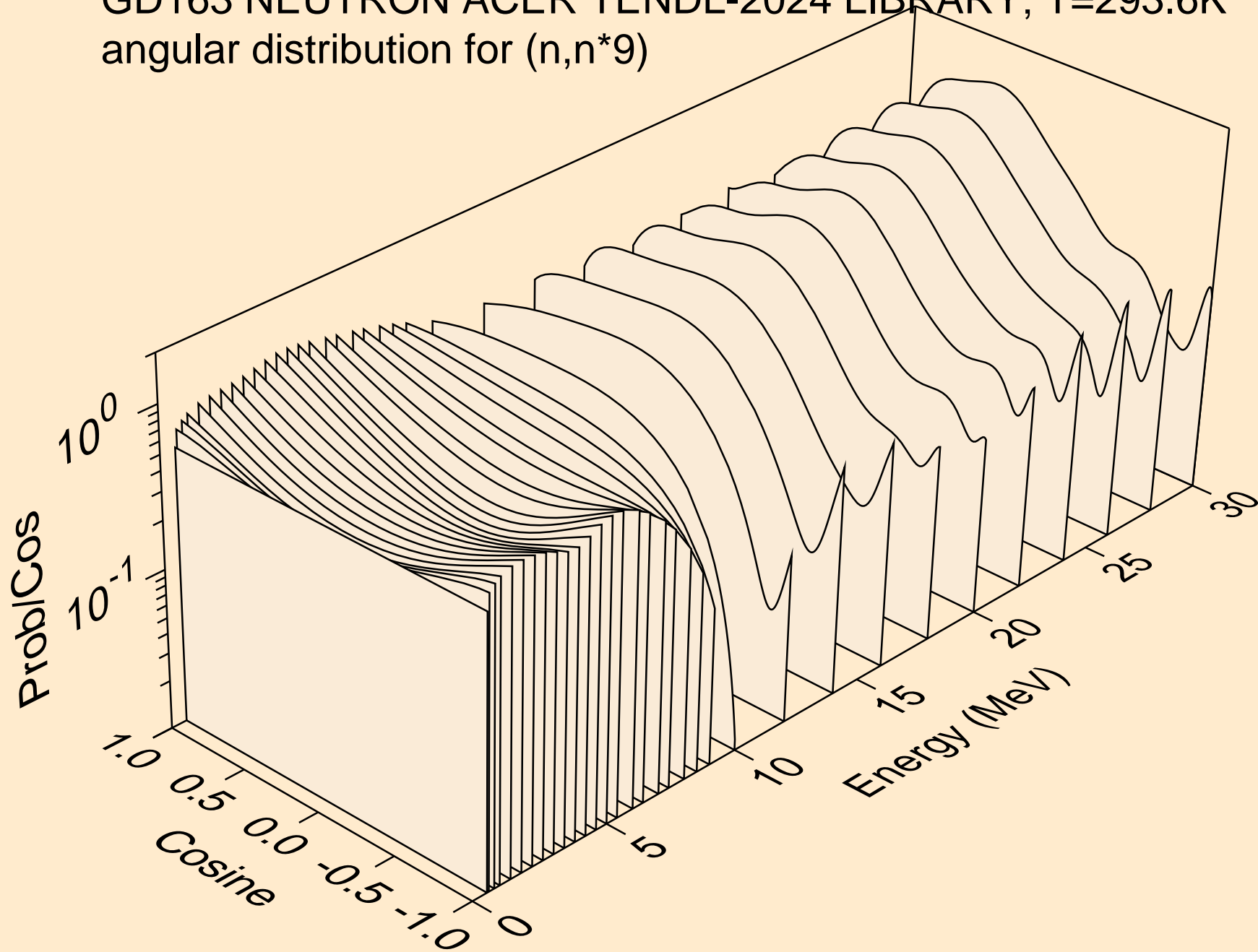
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



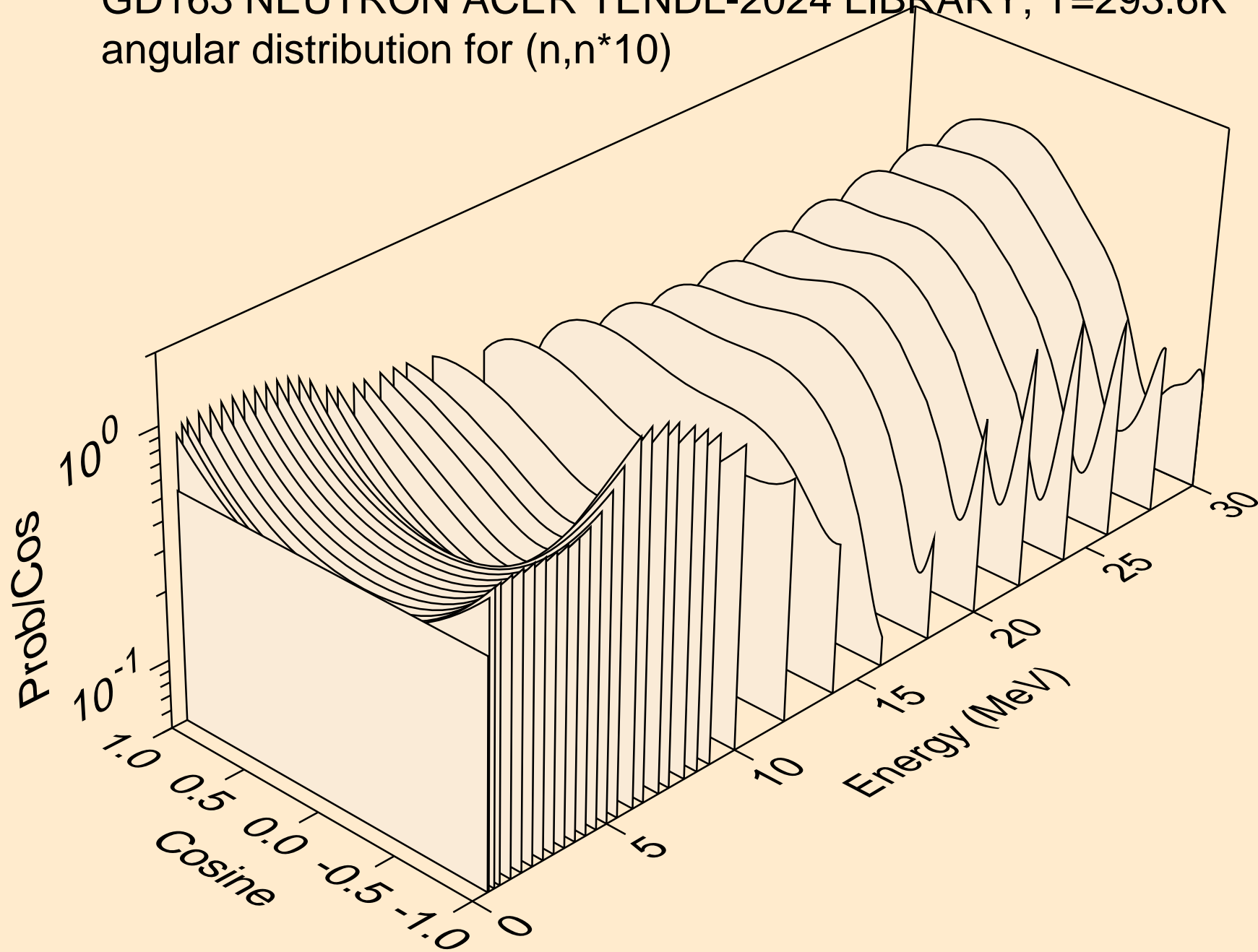
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



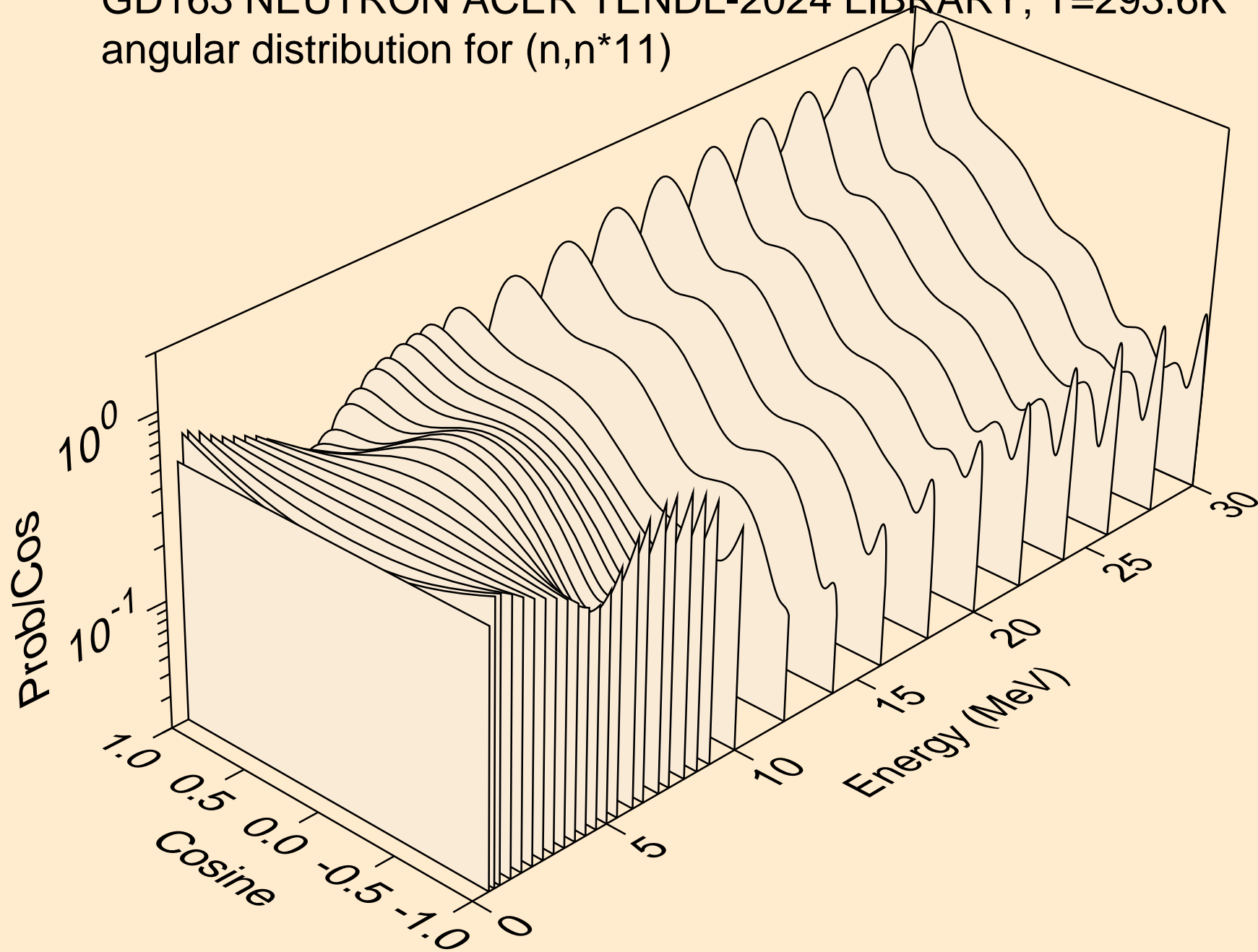
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



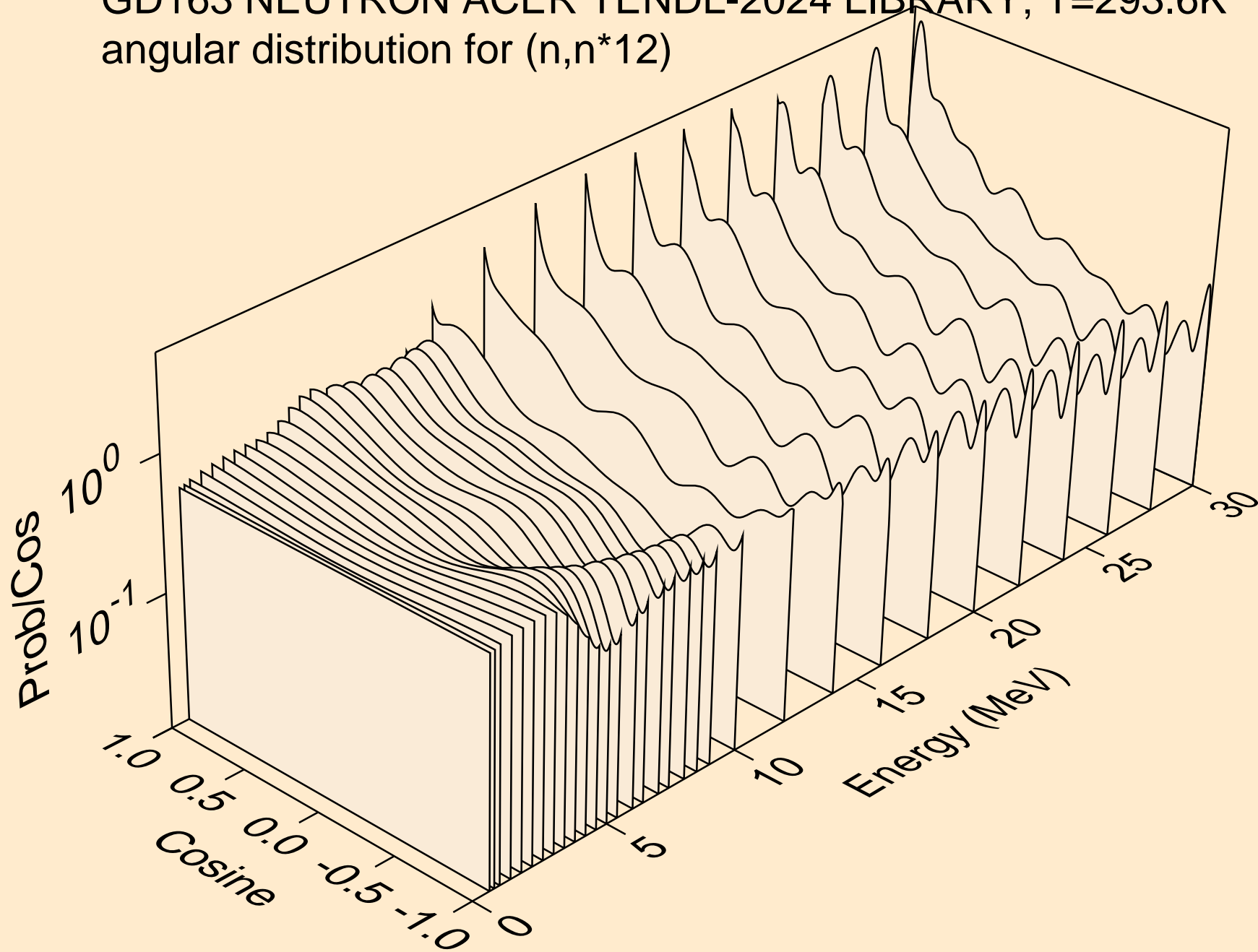
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



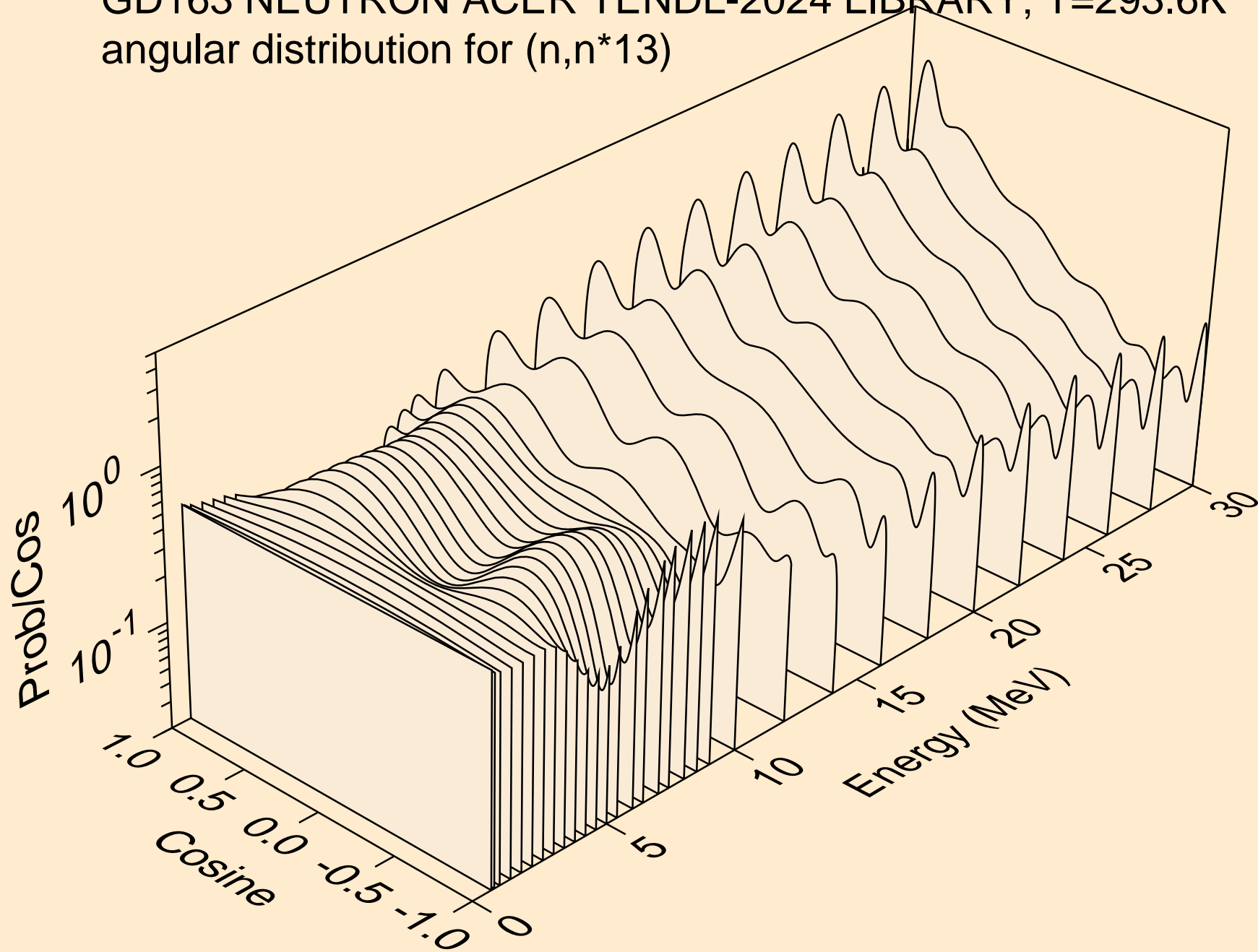
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



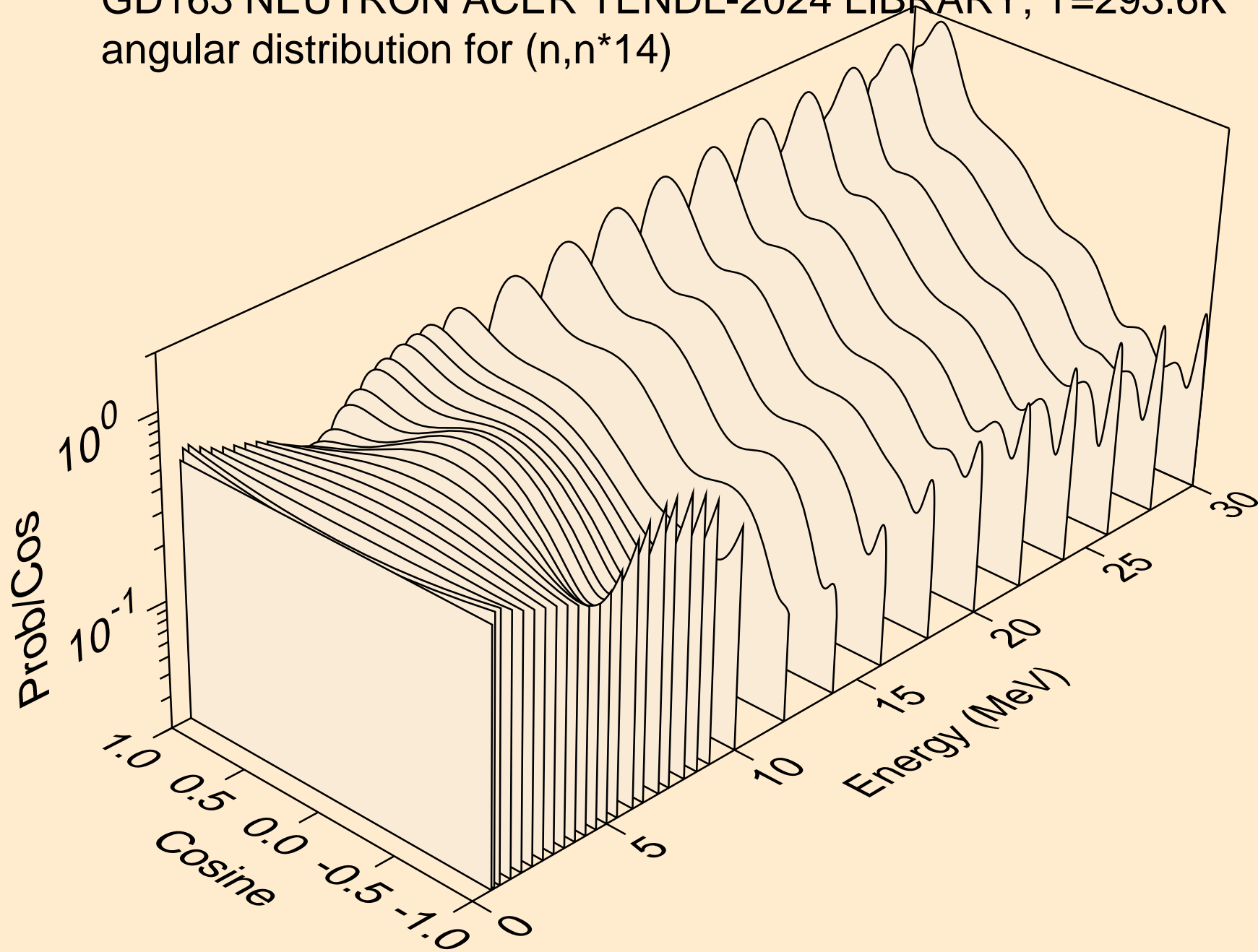
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



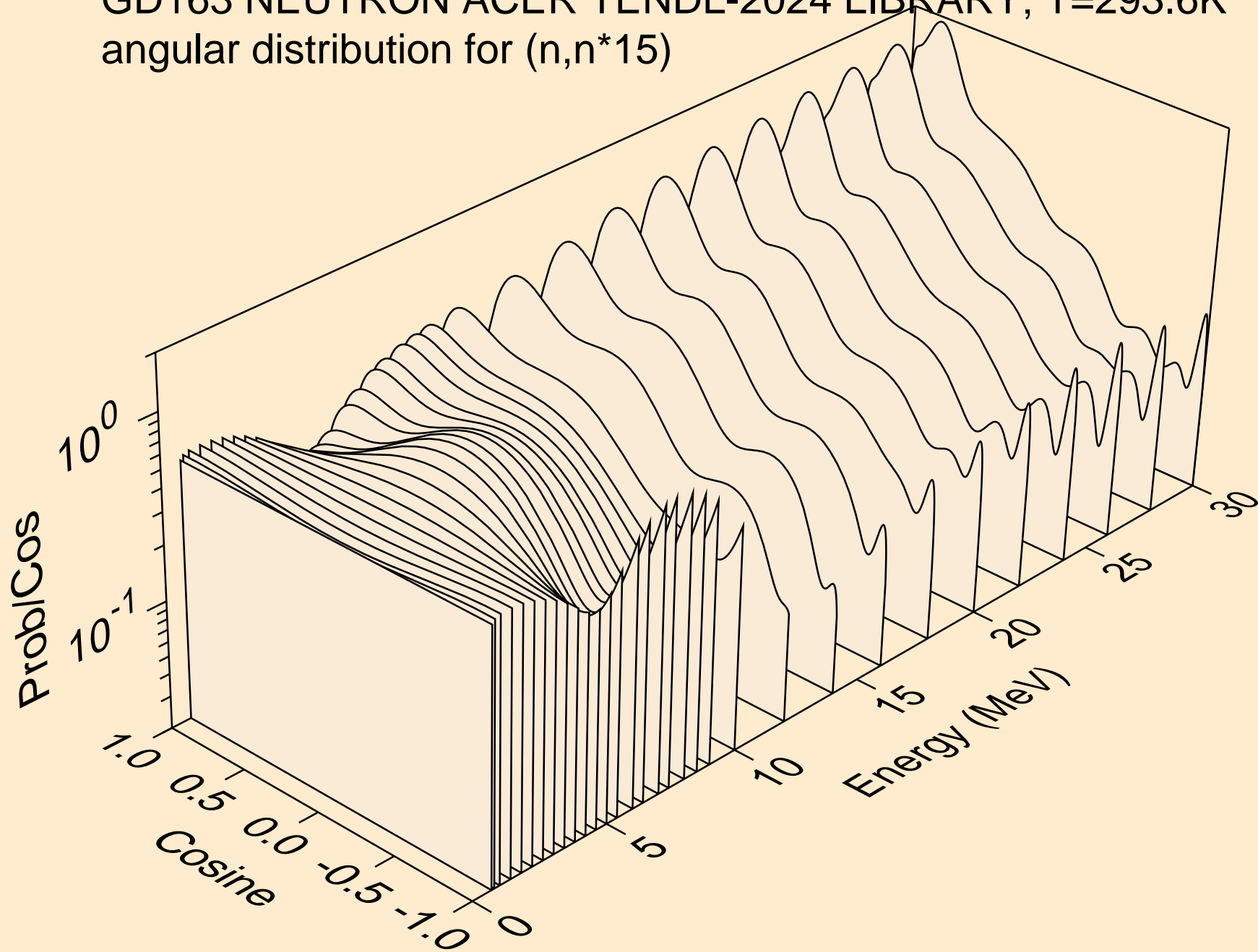
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



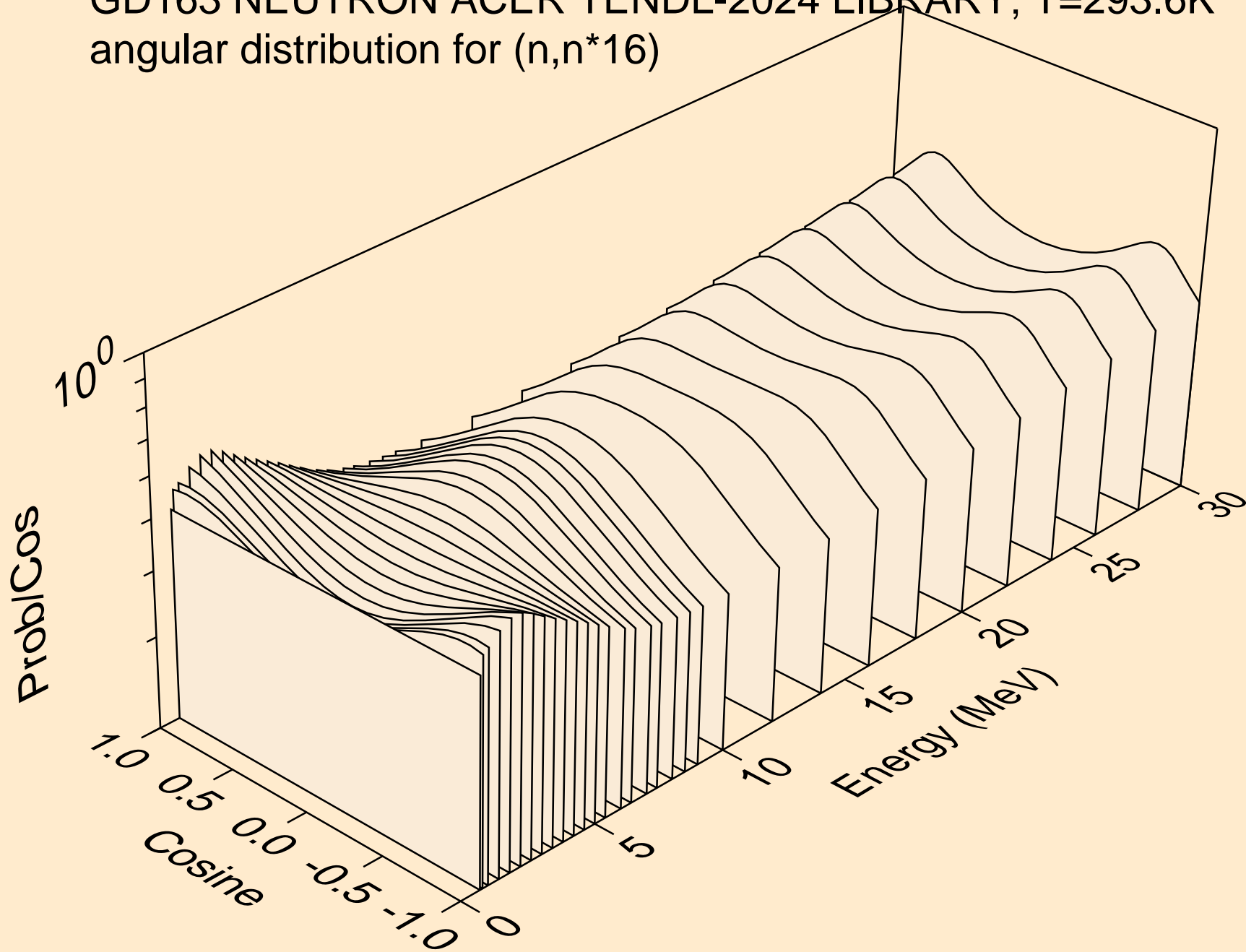
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angular distribution for (n,n\*14)



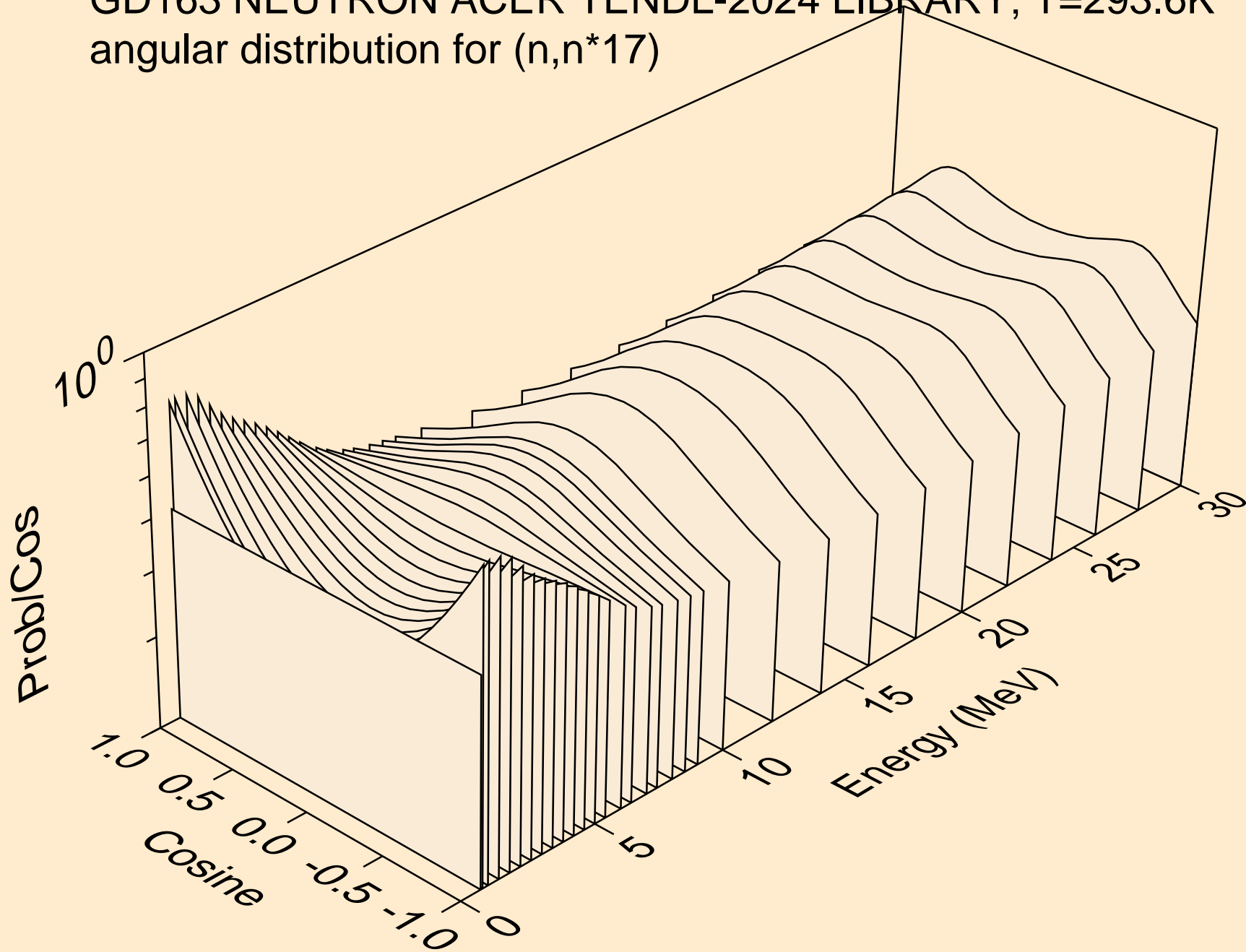
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angular distribution for (n,n\*15)



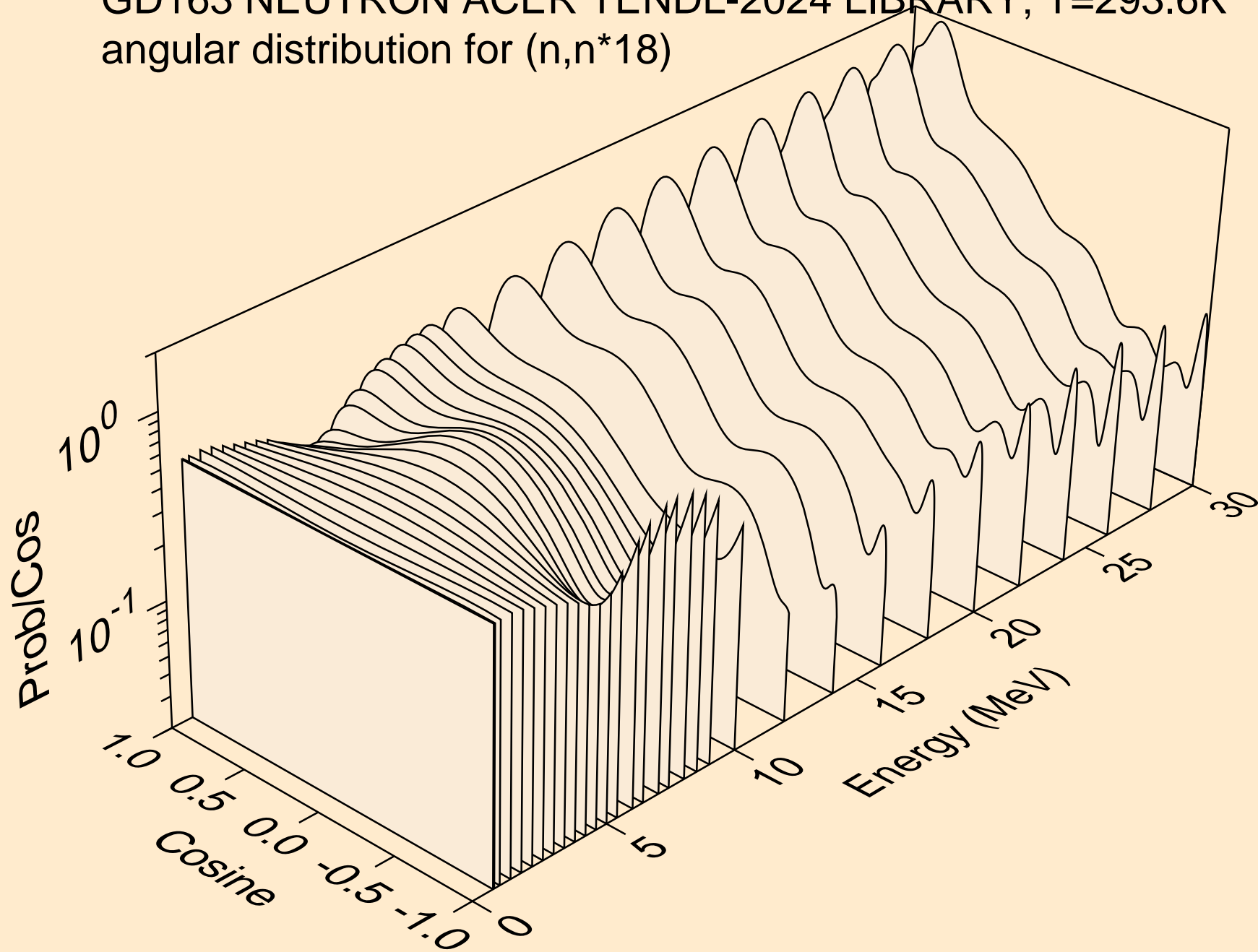
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angular distribution for (n,n\*16)



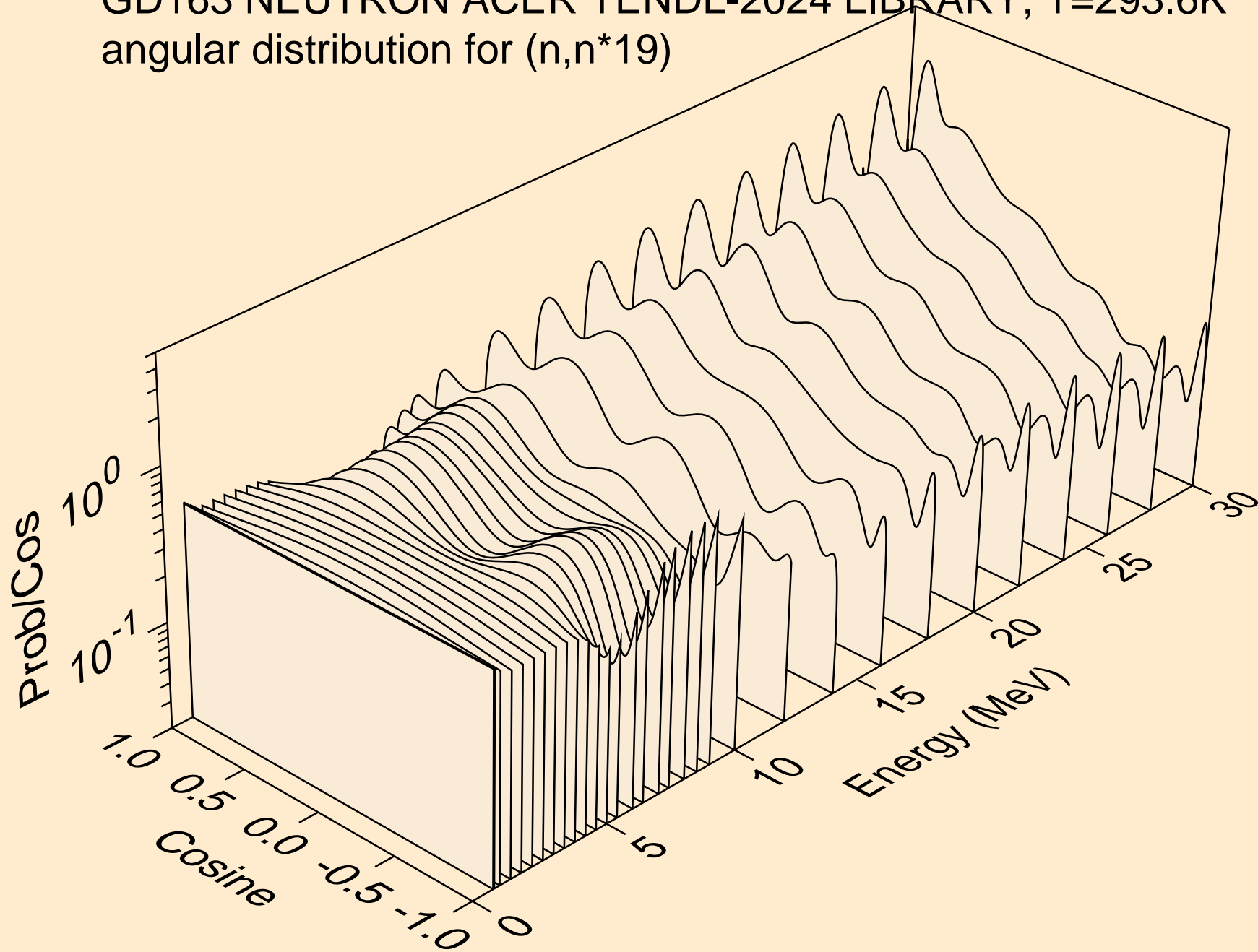
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



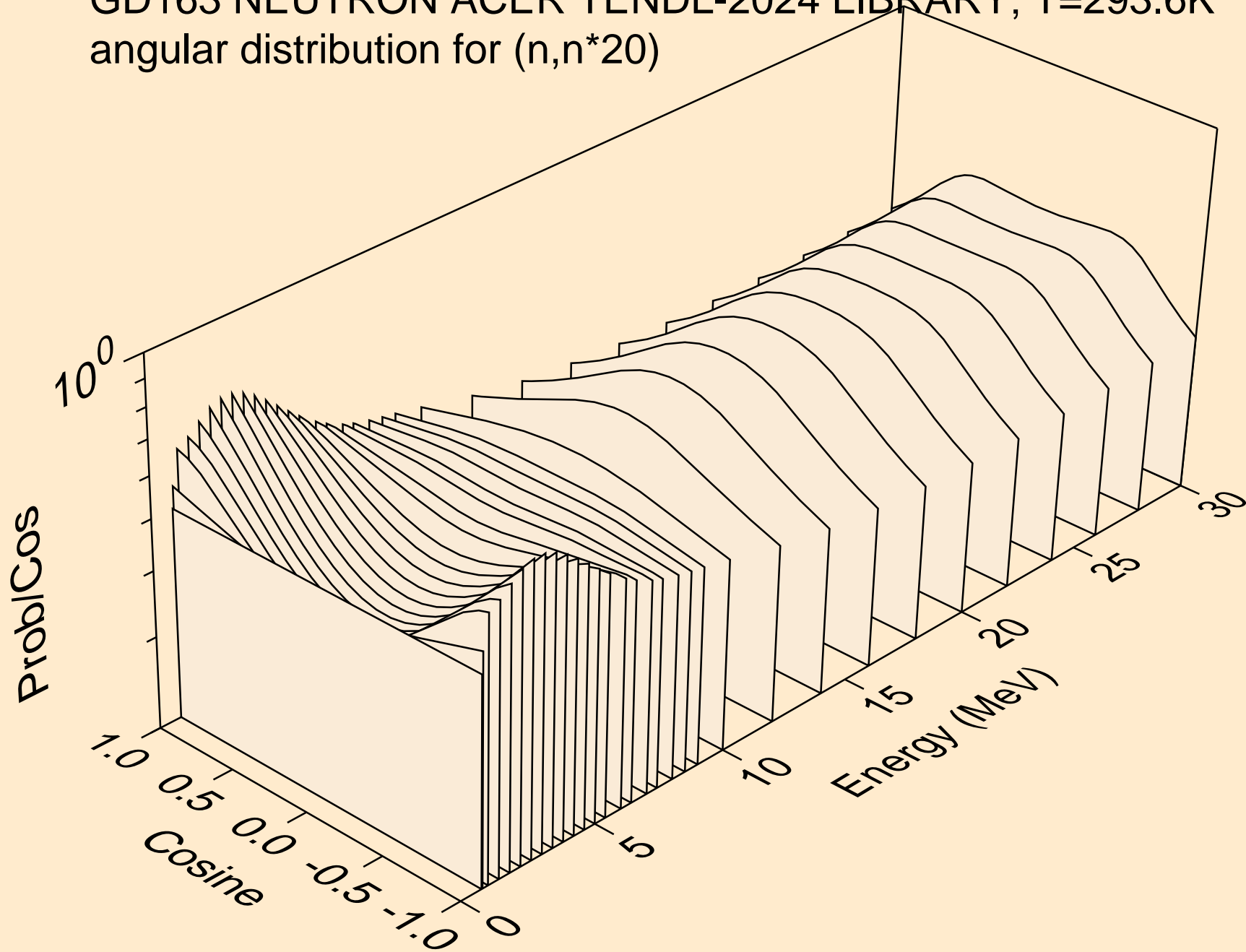
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



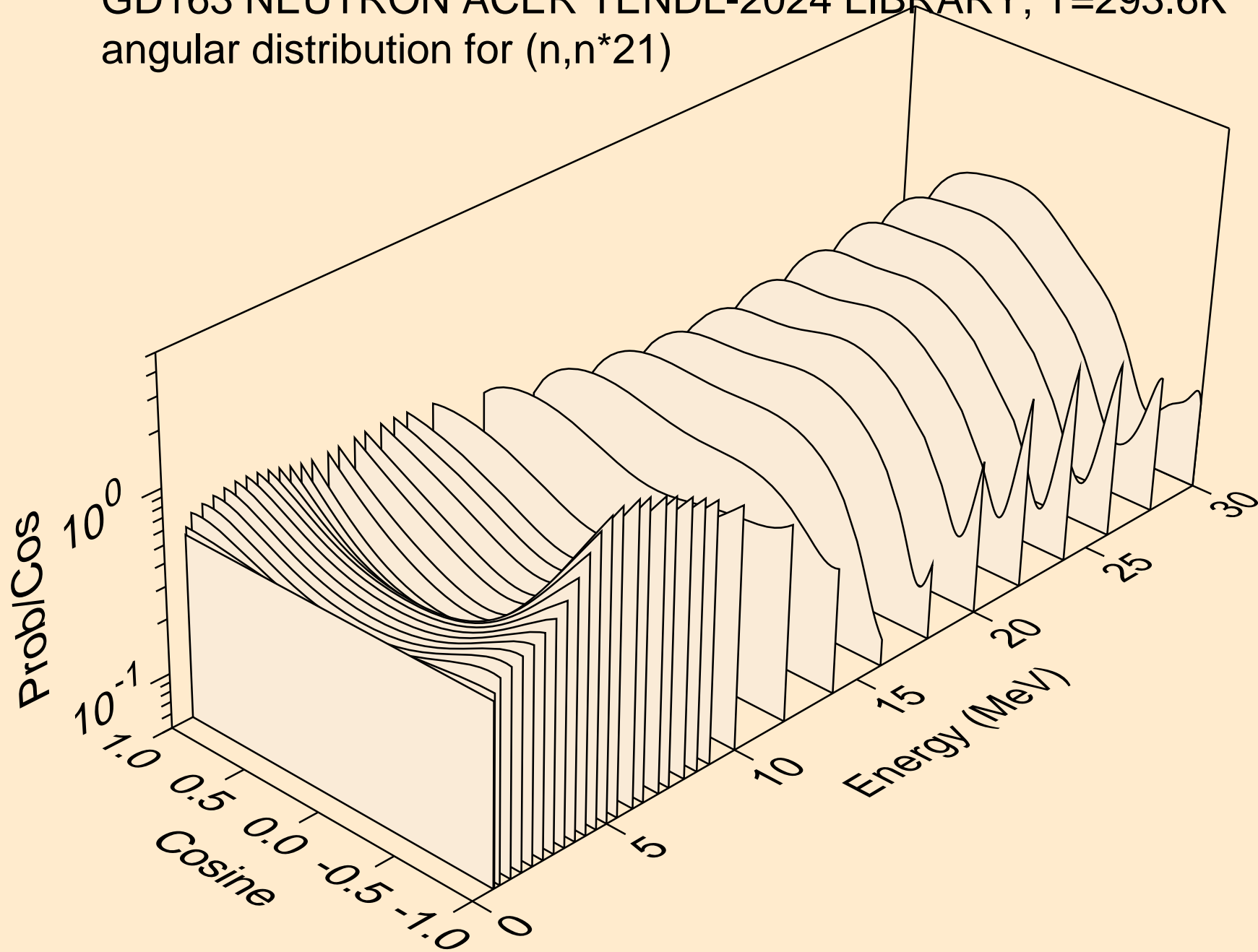
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angular distribution for (n,n\*19)



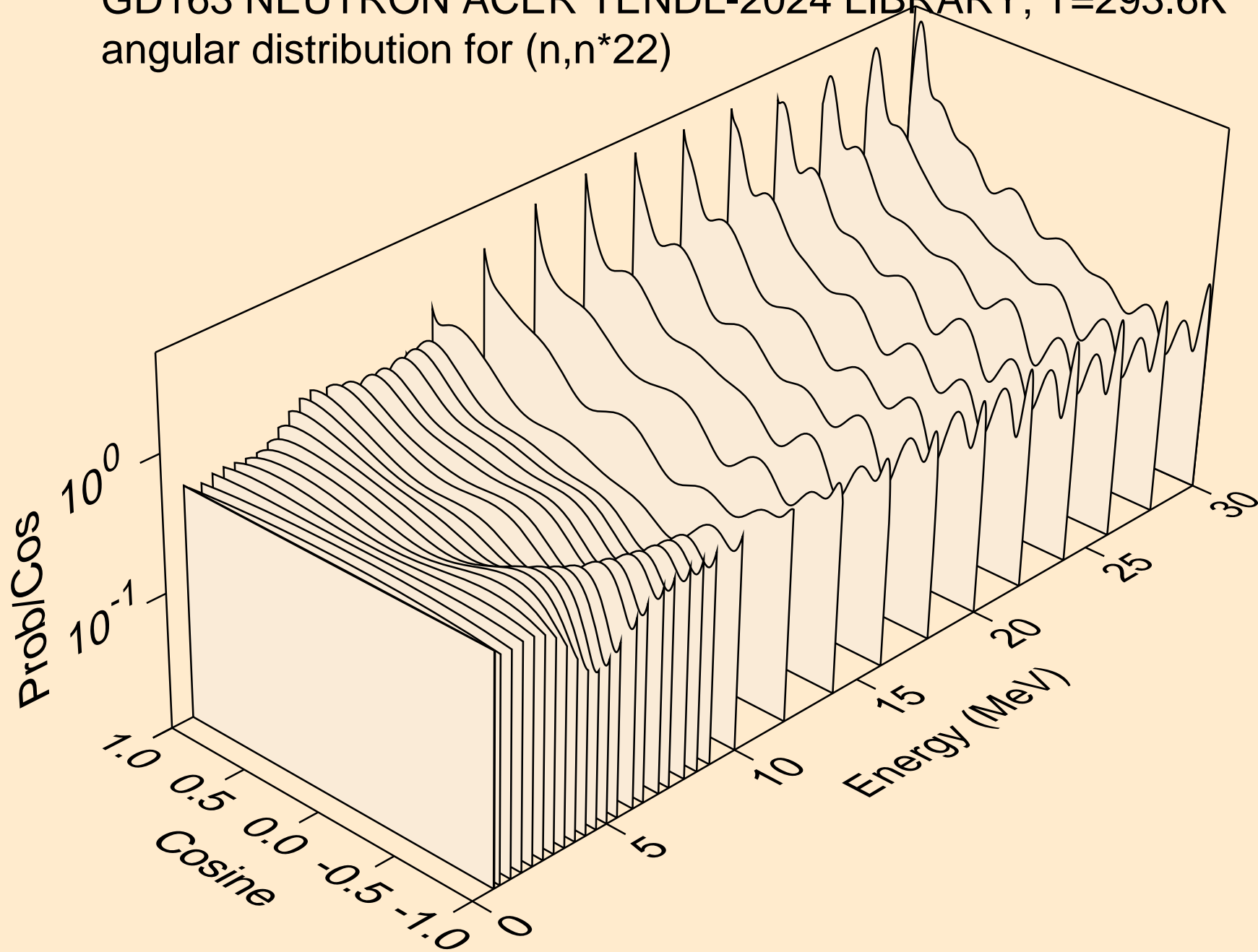
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



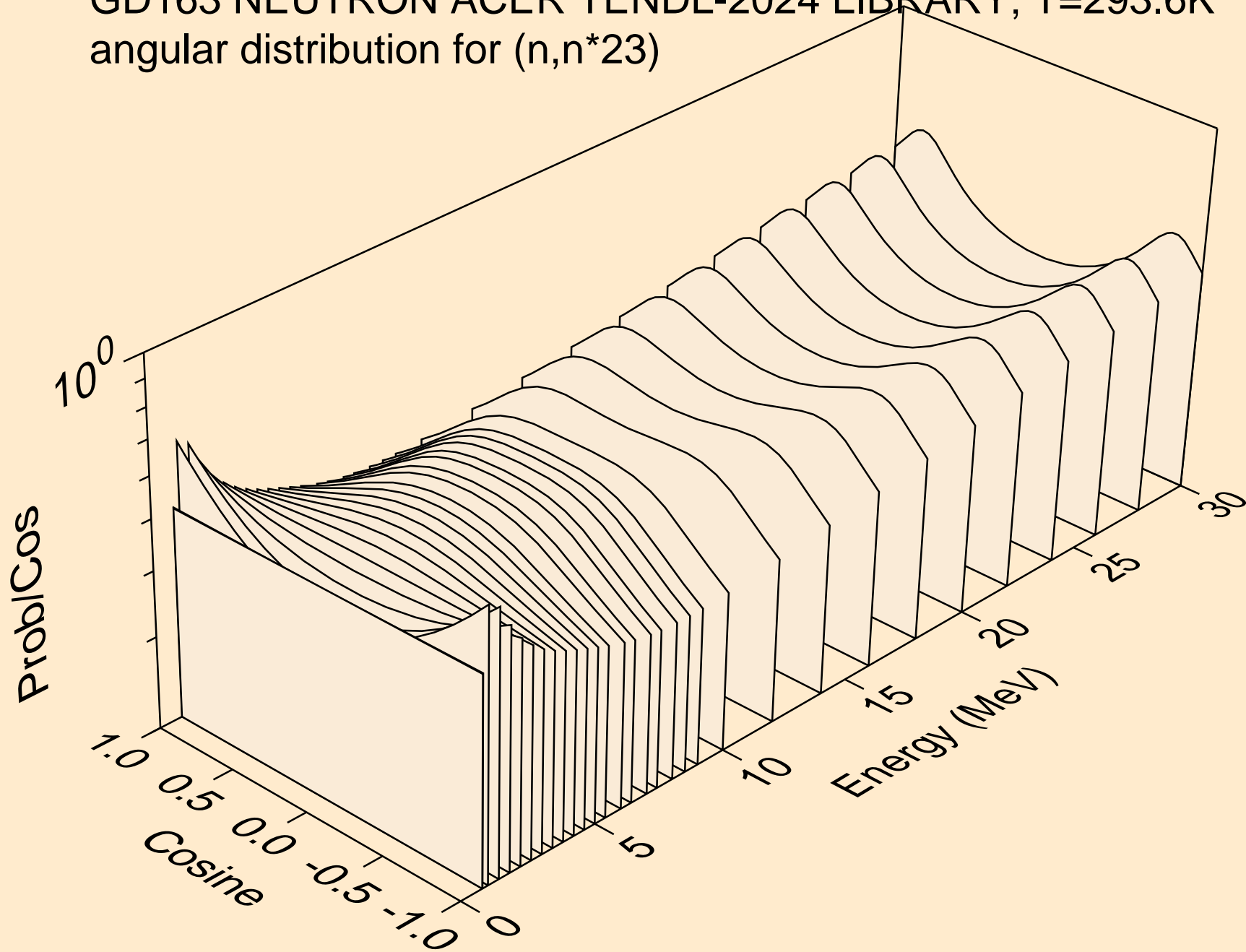
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angular distribution for (n,n\*21)



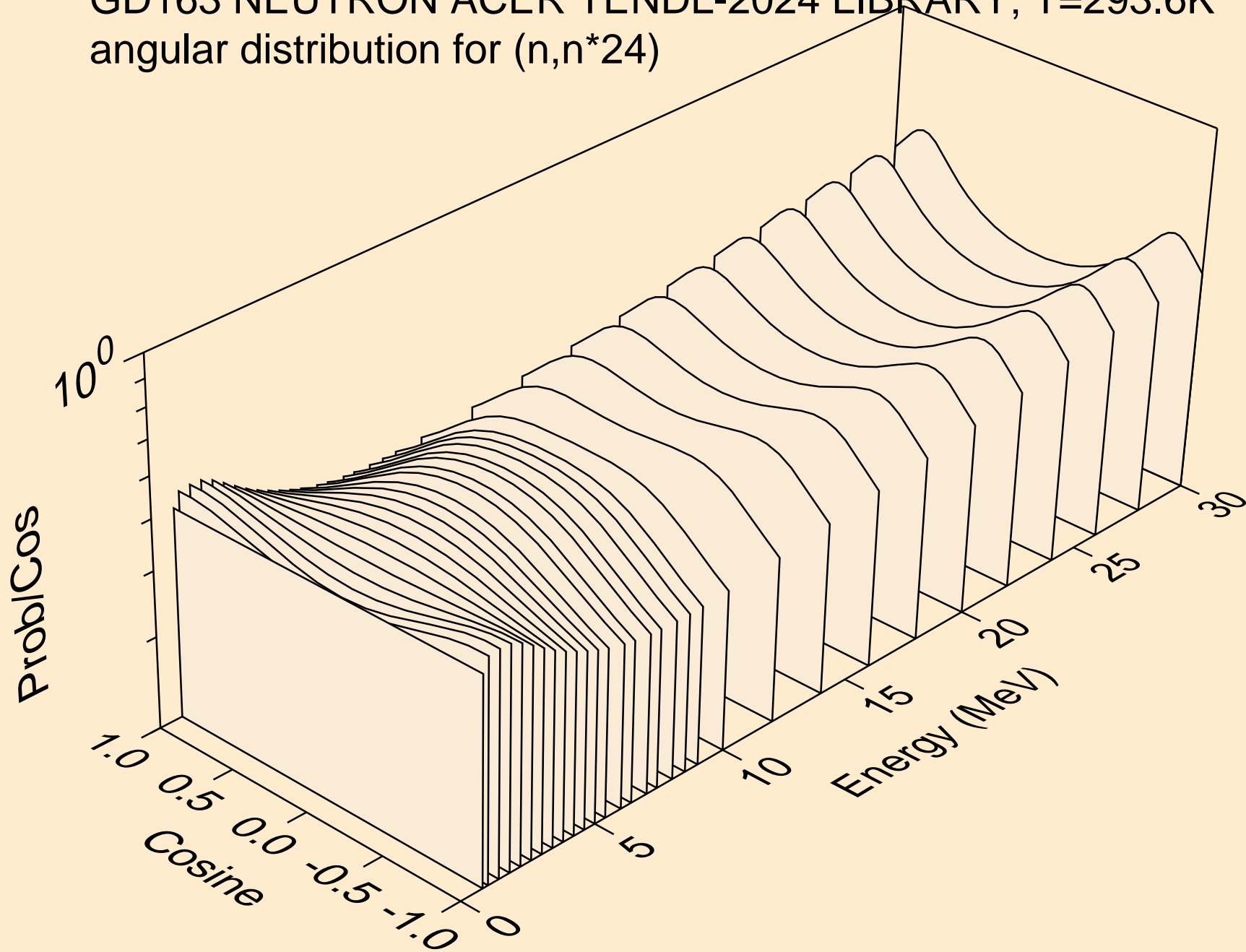
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



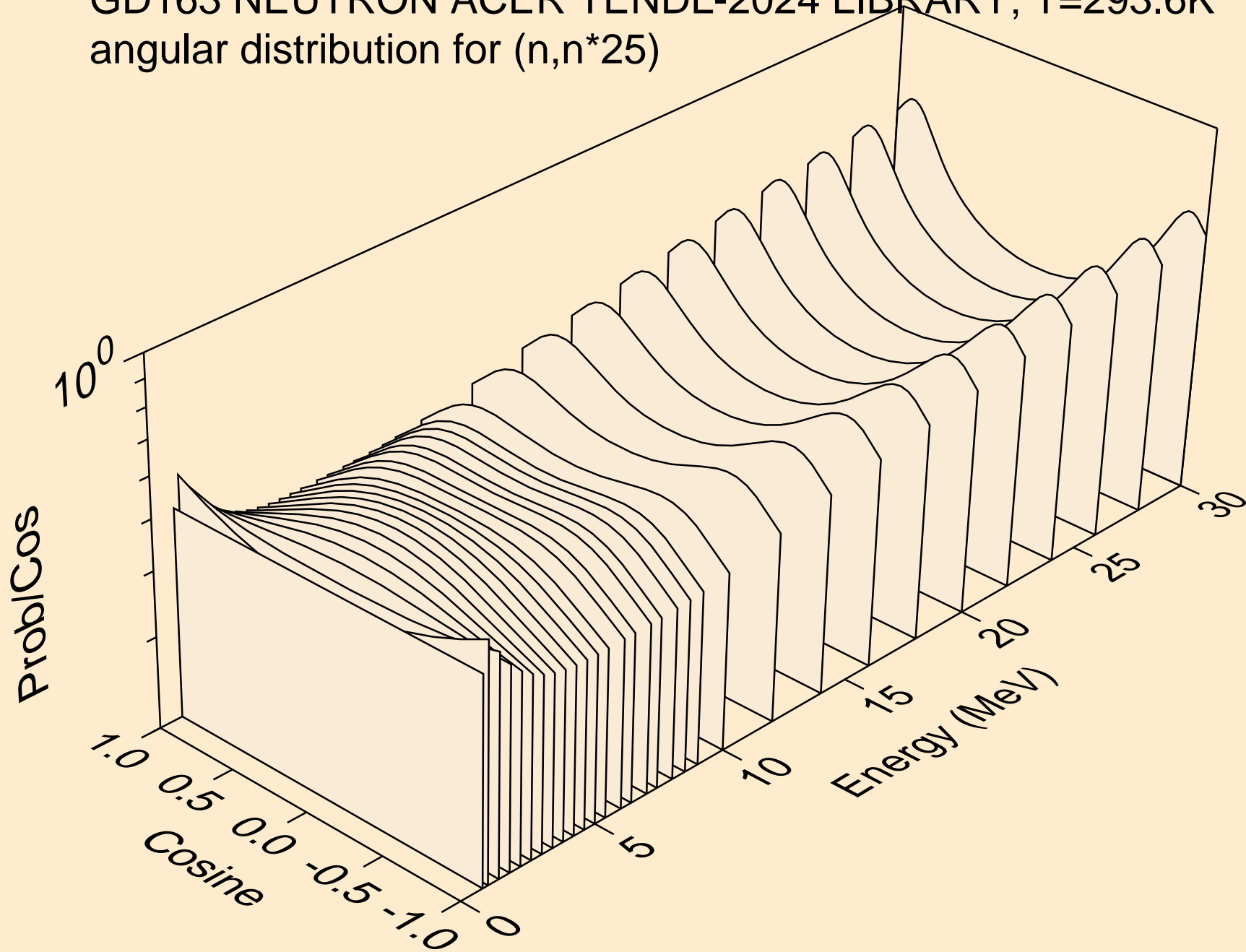
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



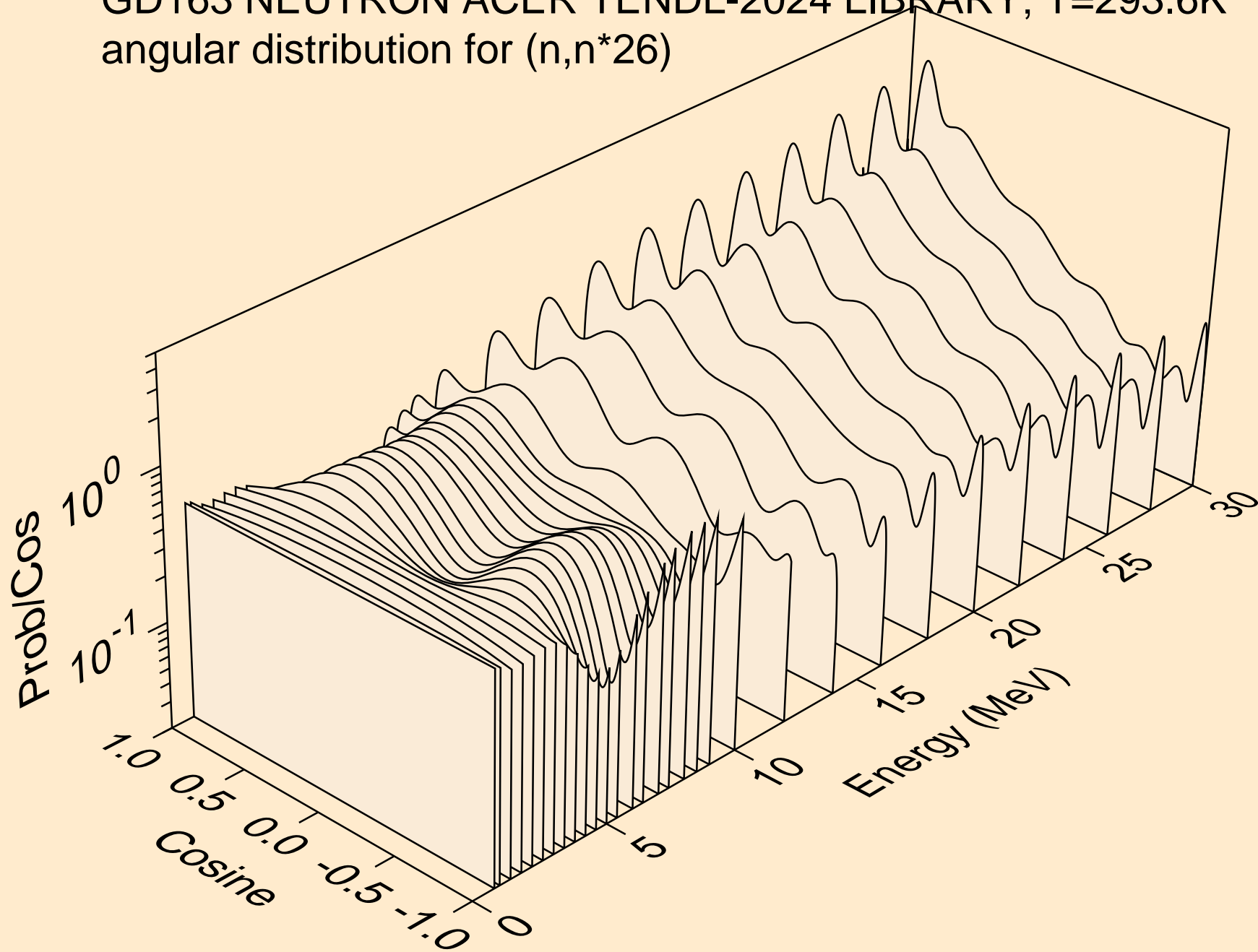
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



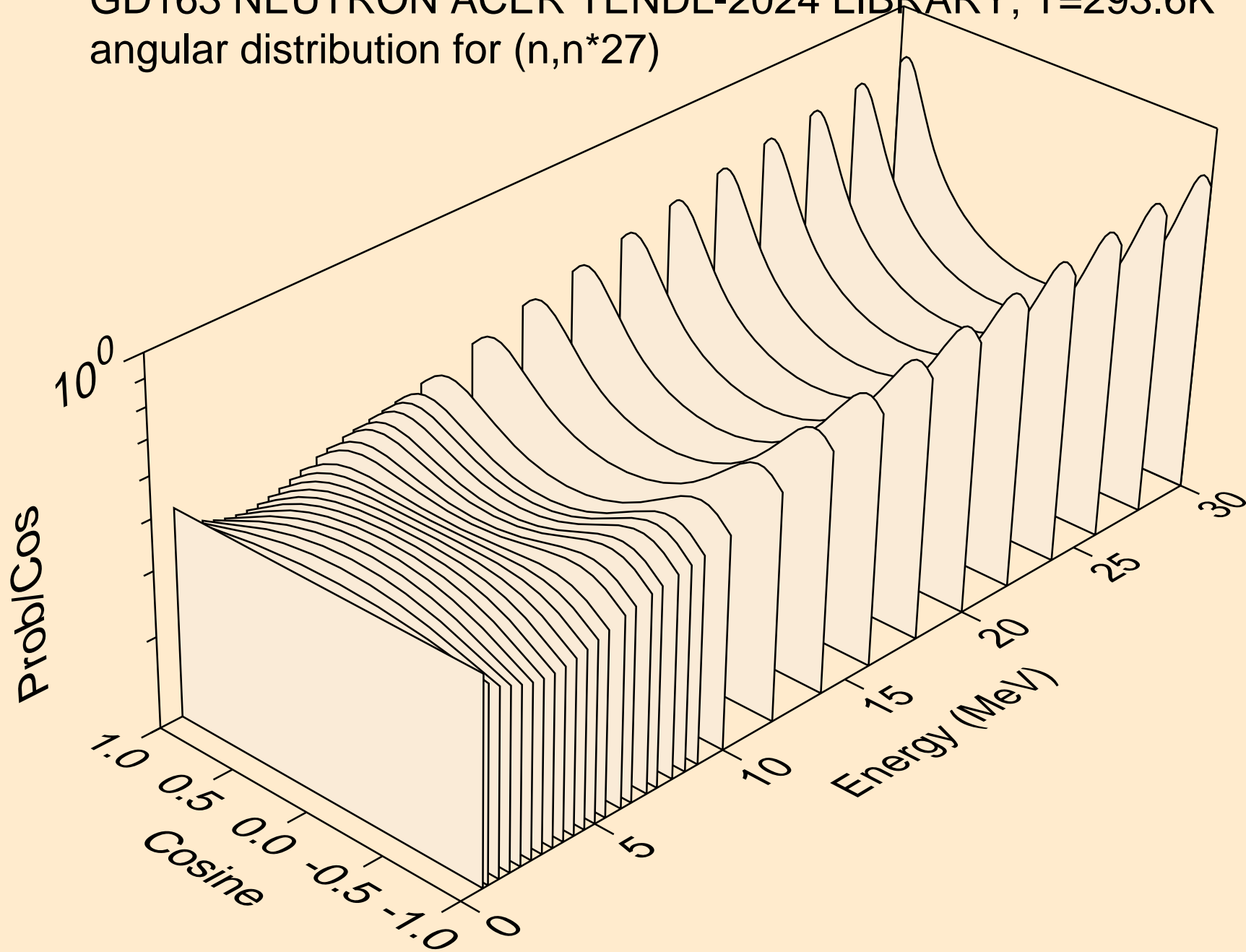
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angular distribution for (n,n\*25)



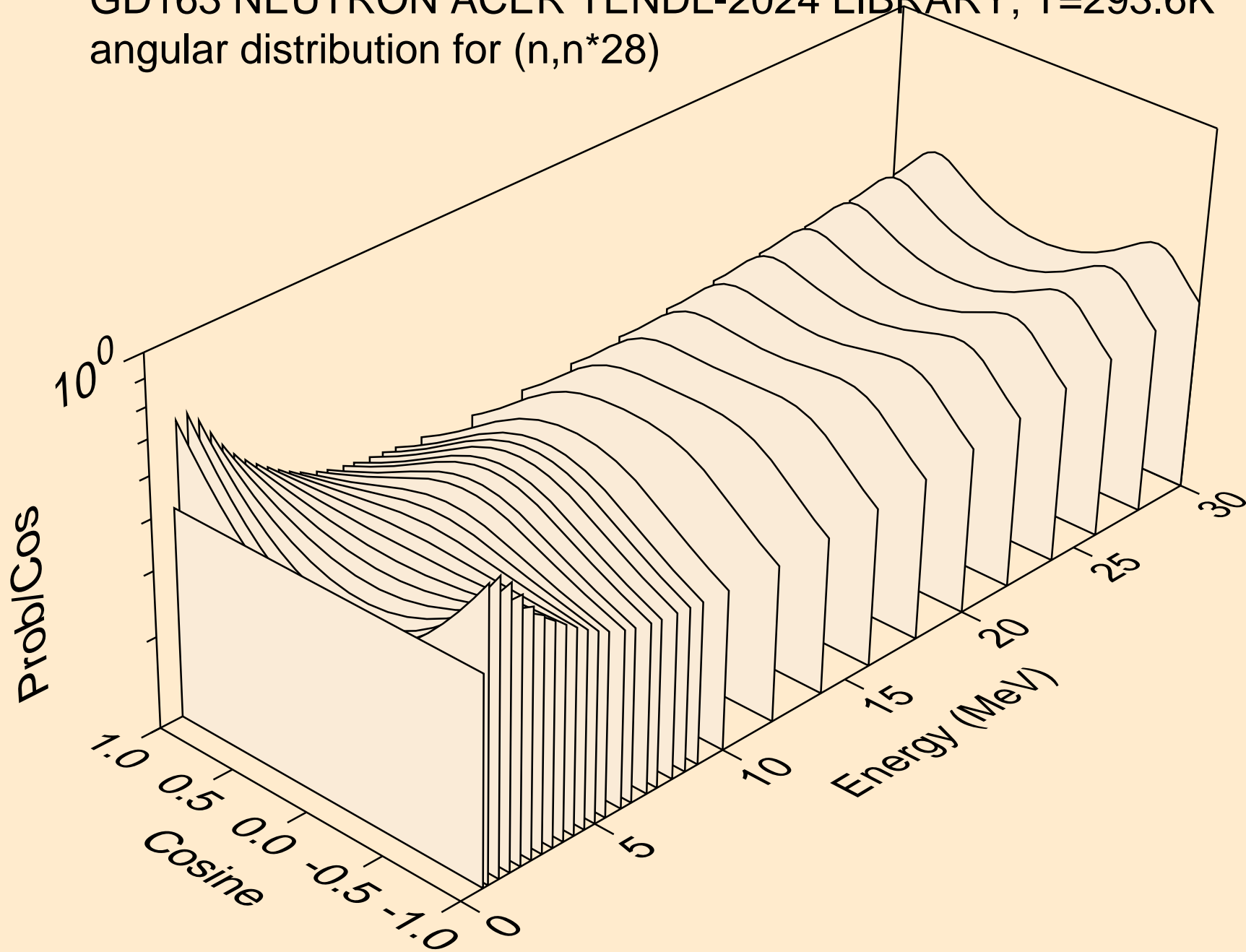
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



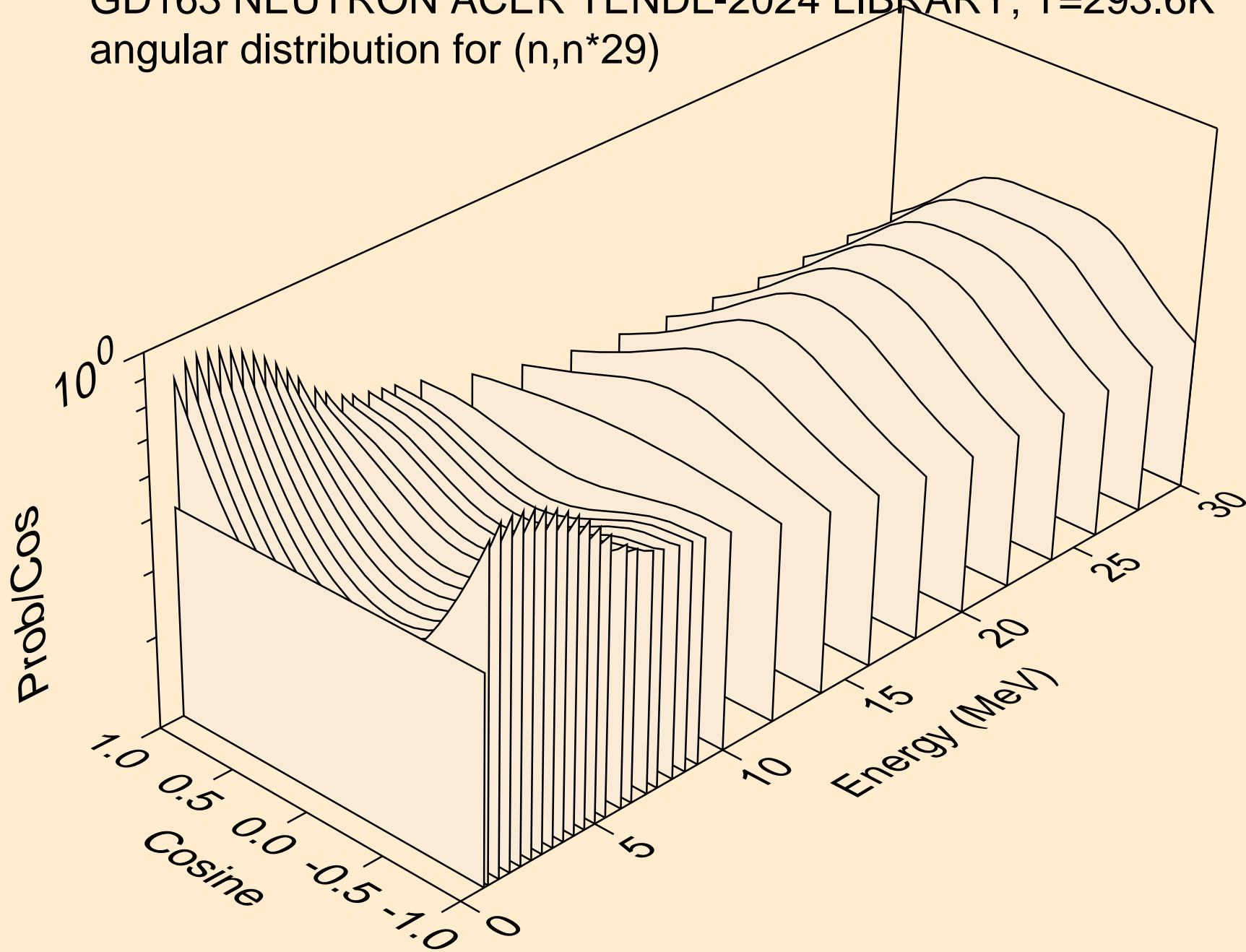
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



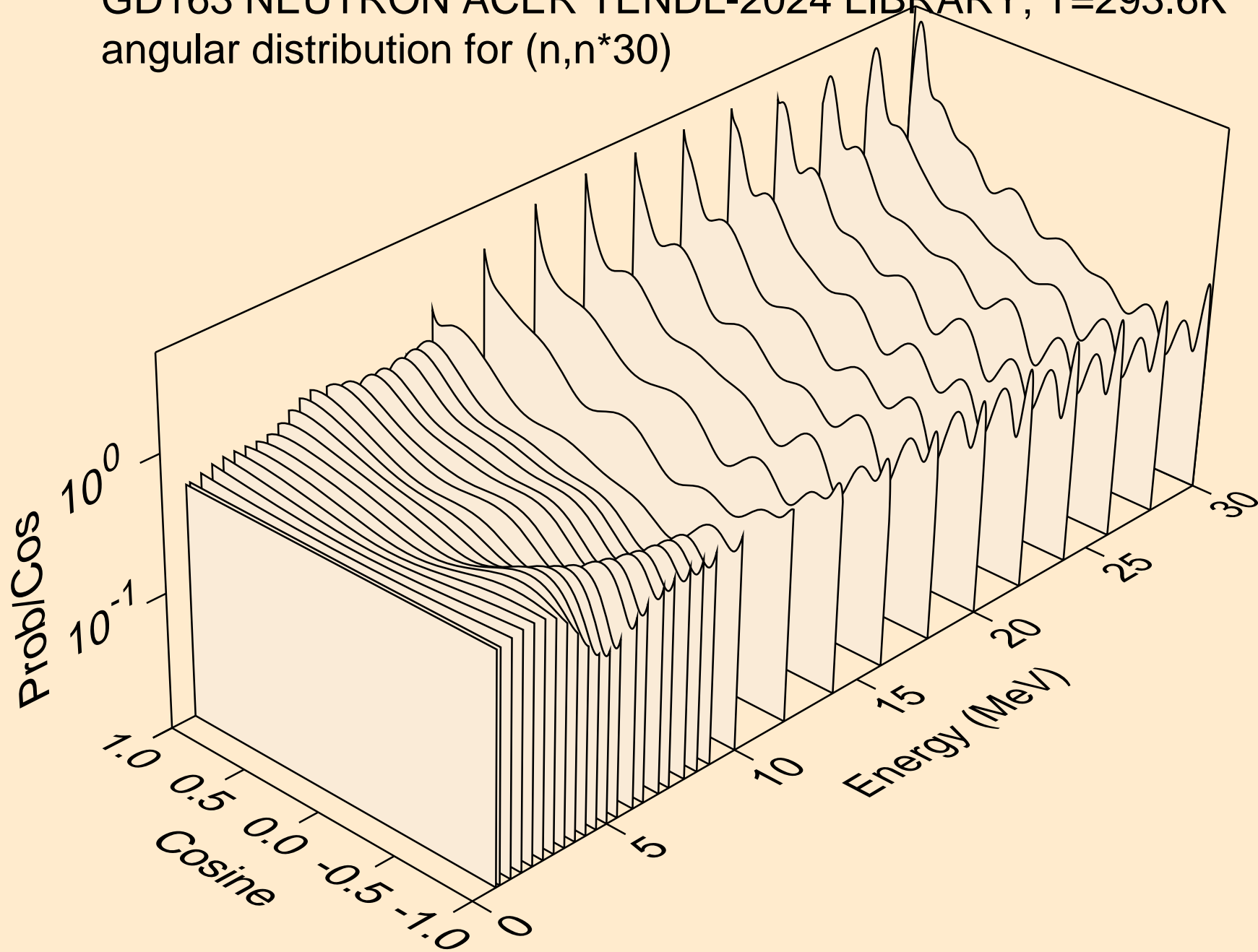
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



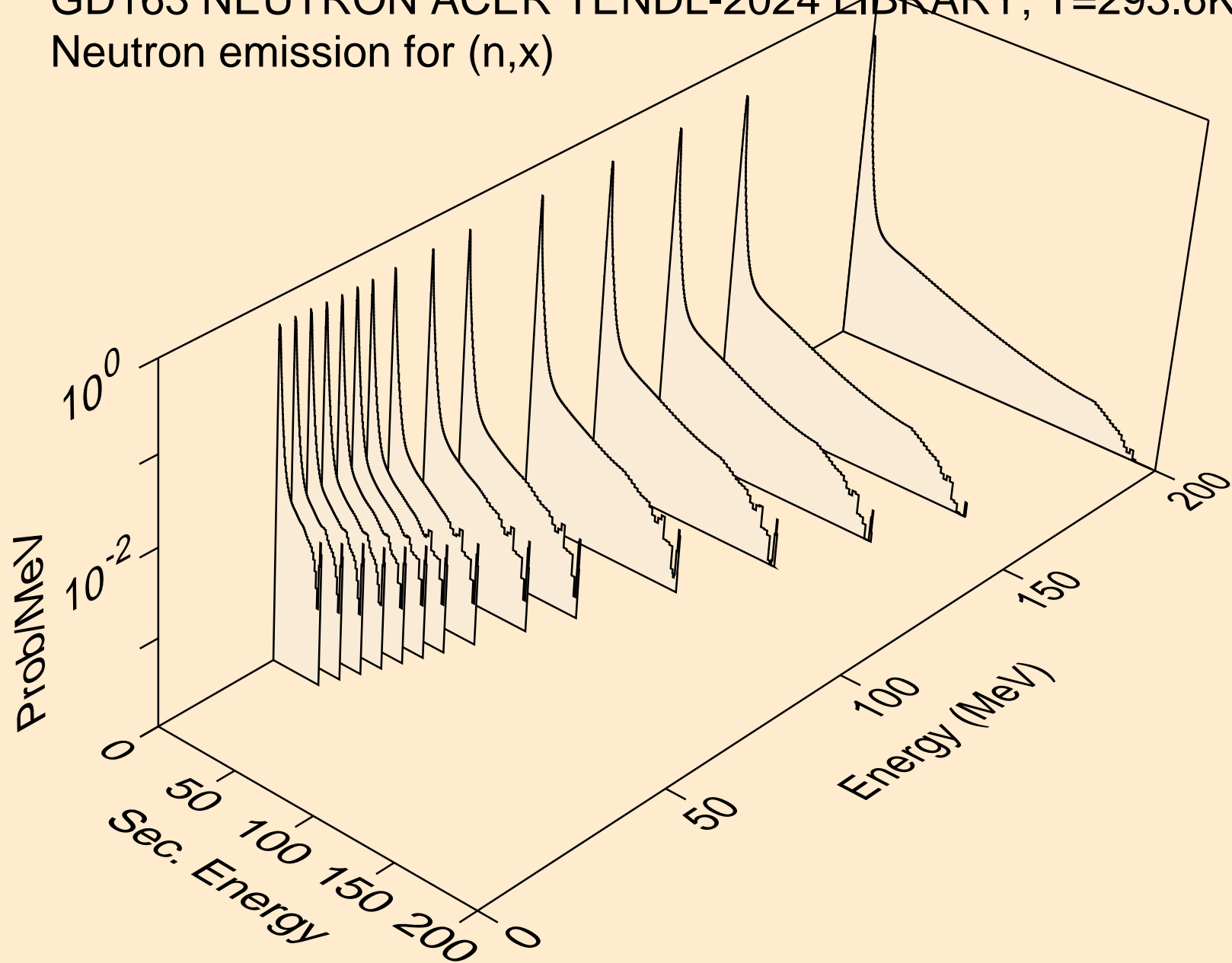
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



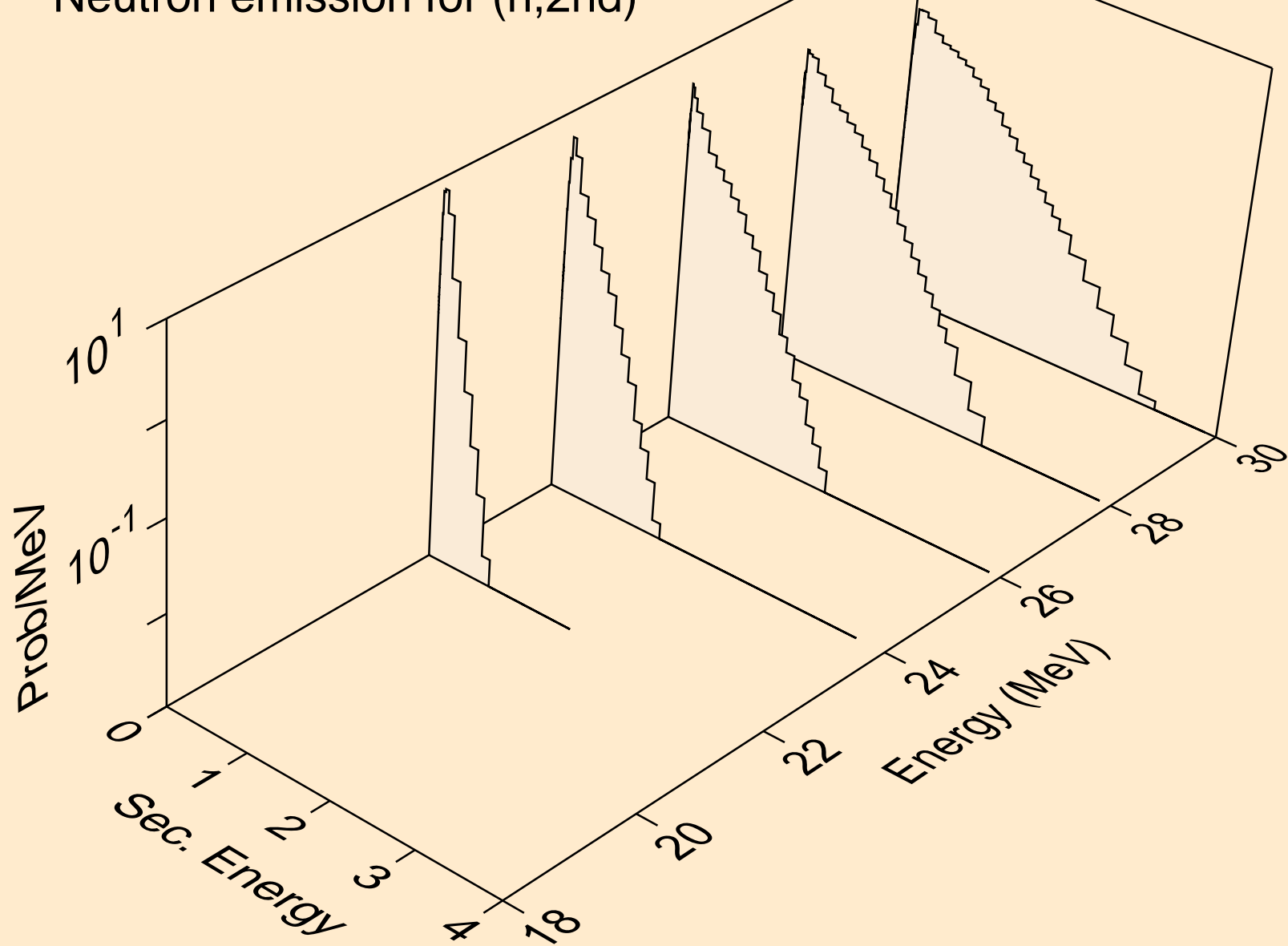
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



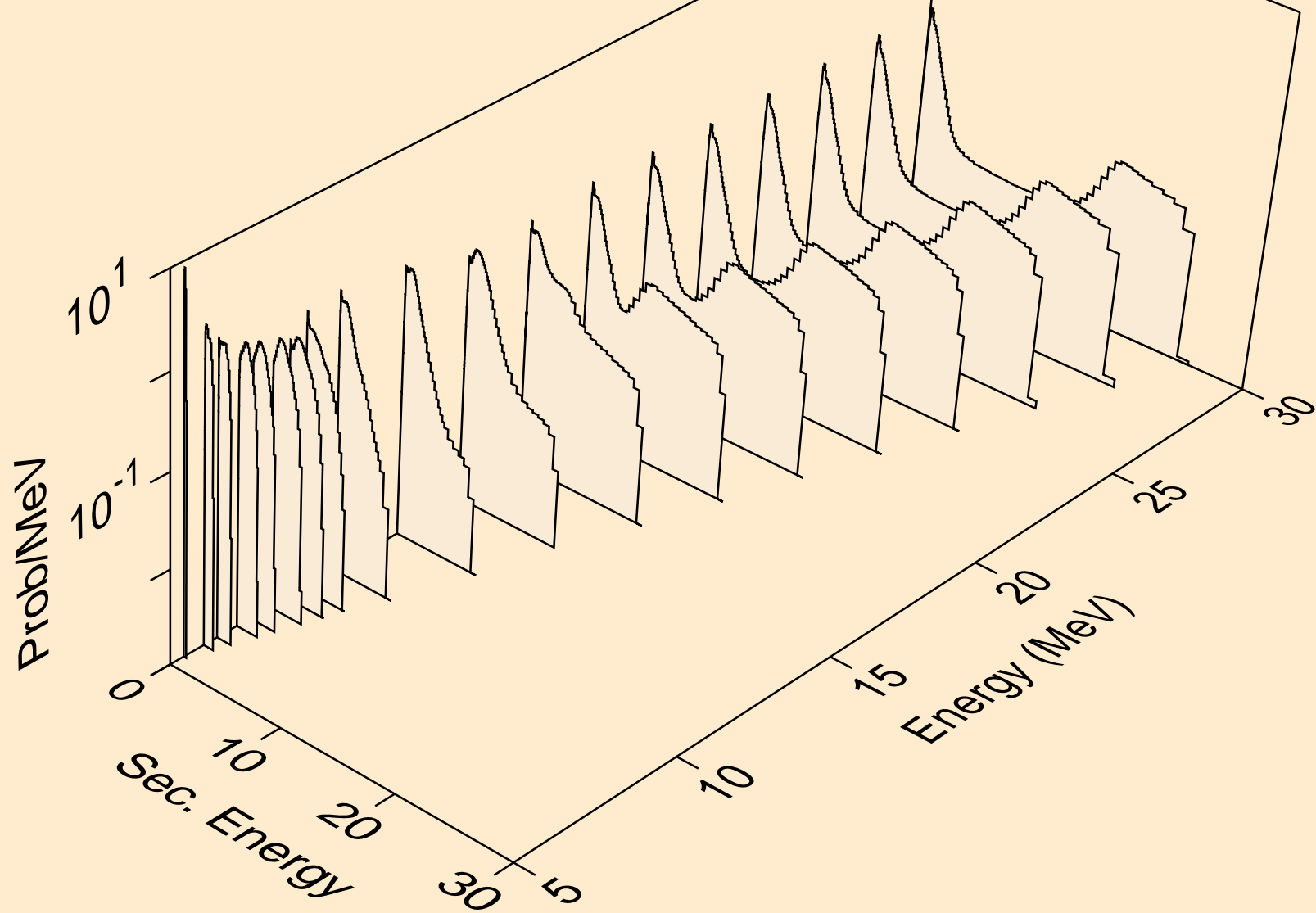
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



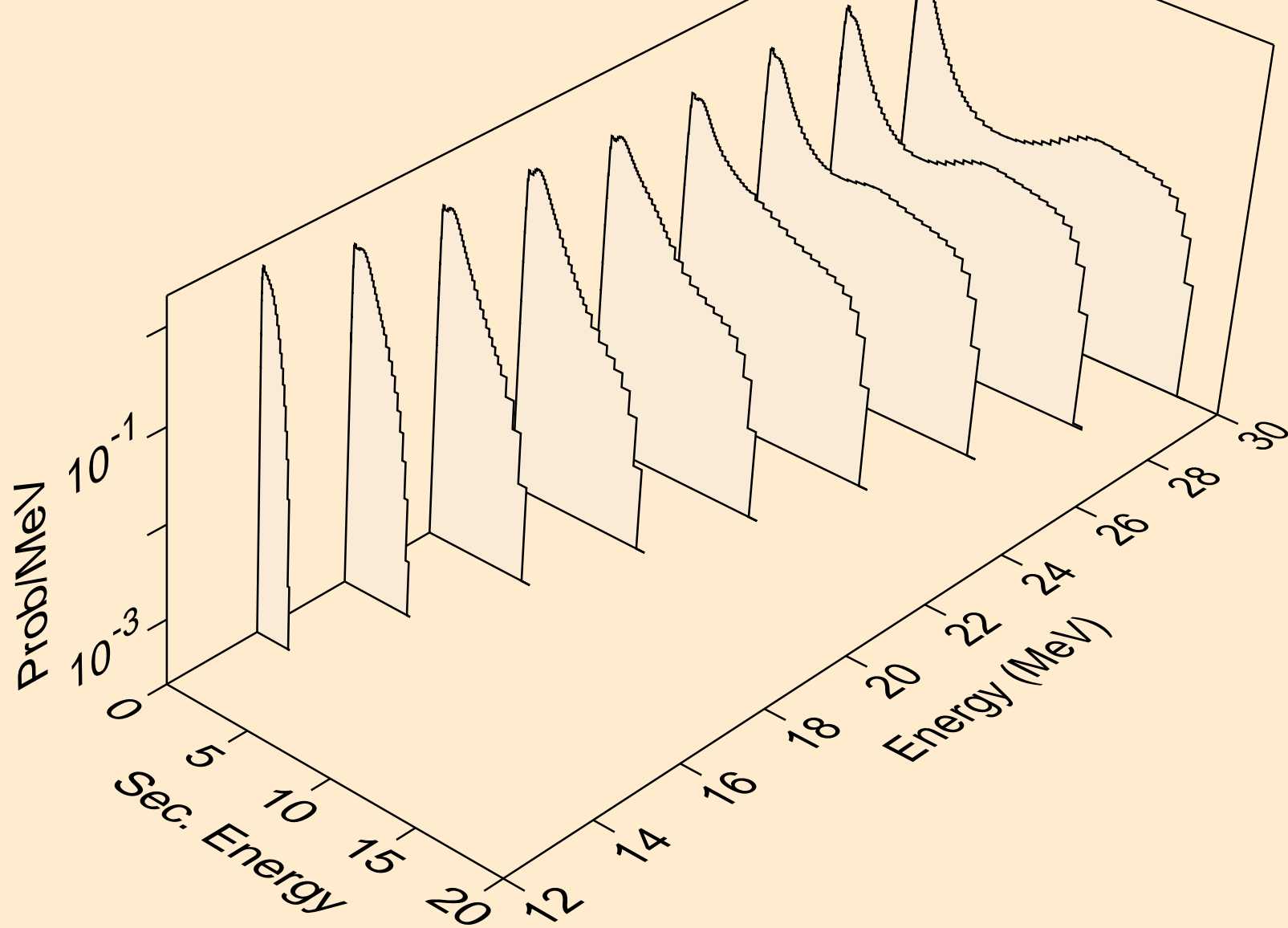
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



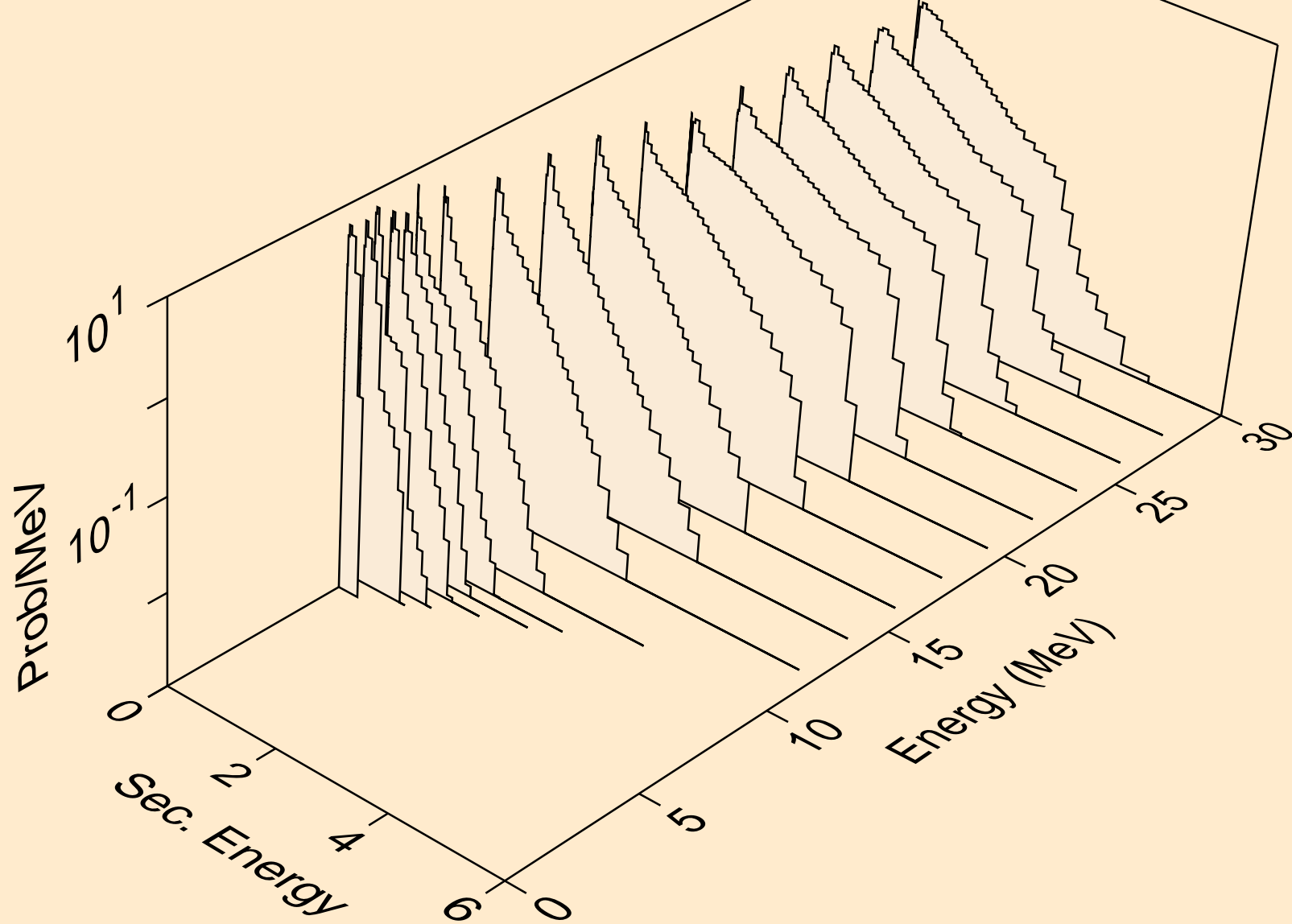
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



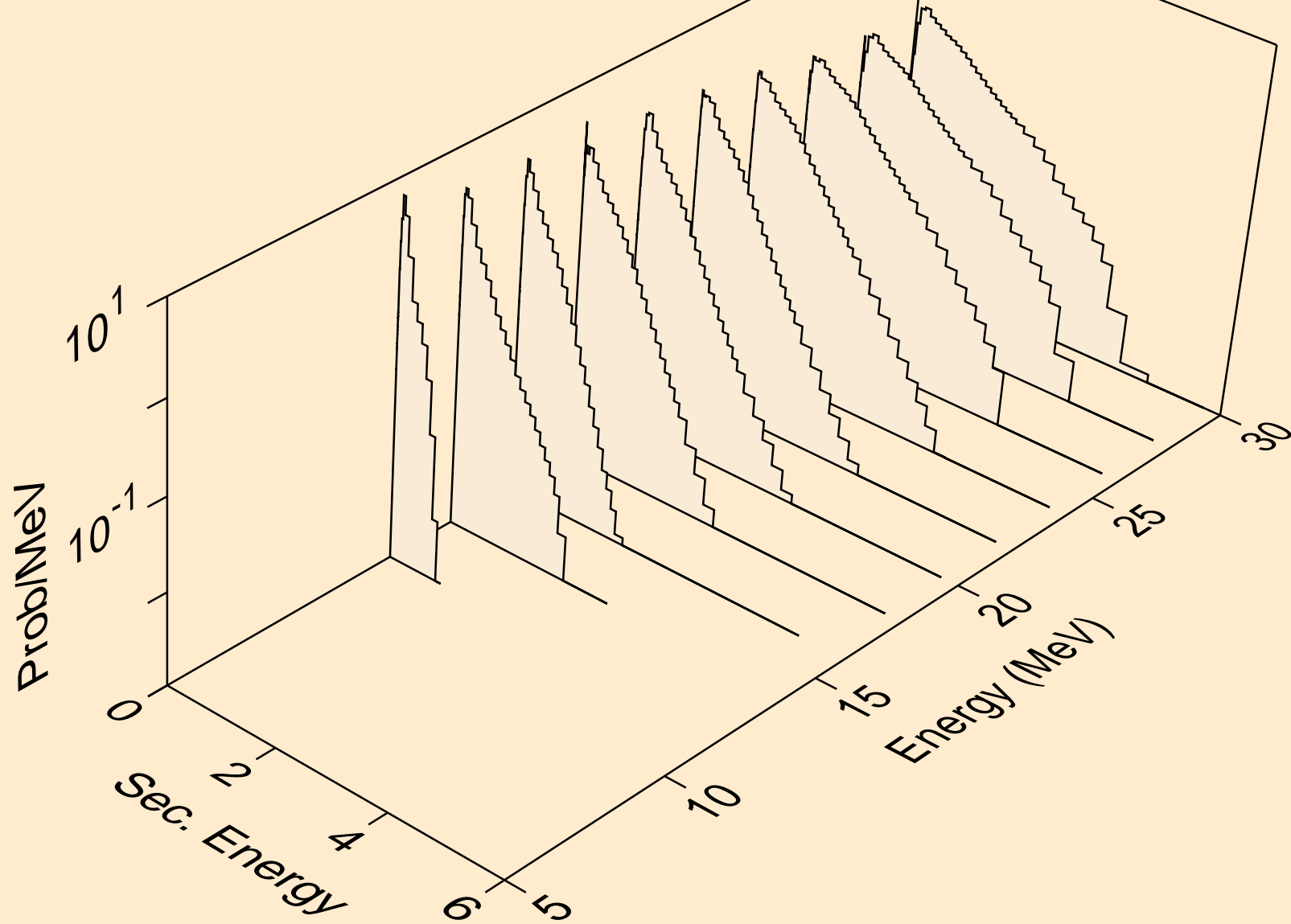
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



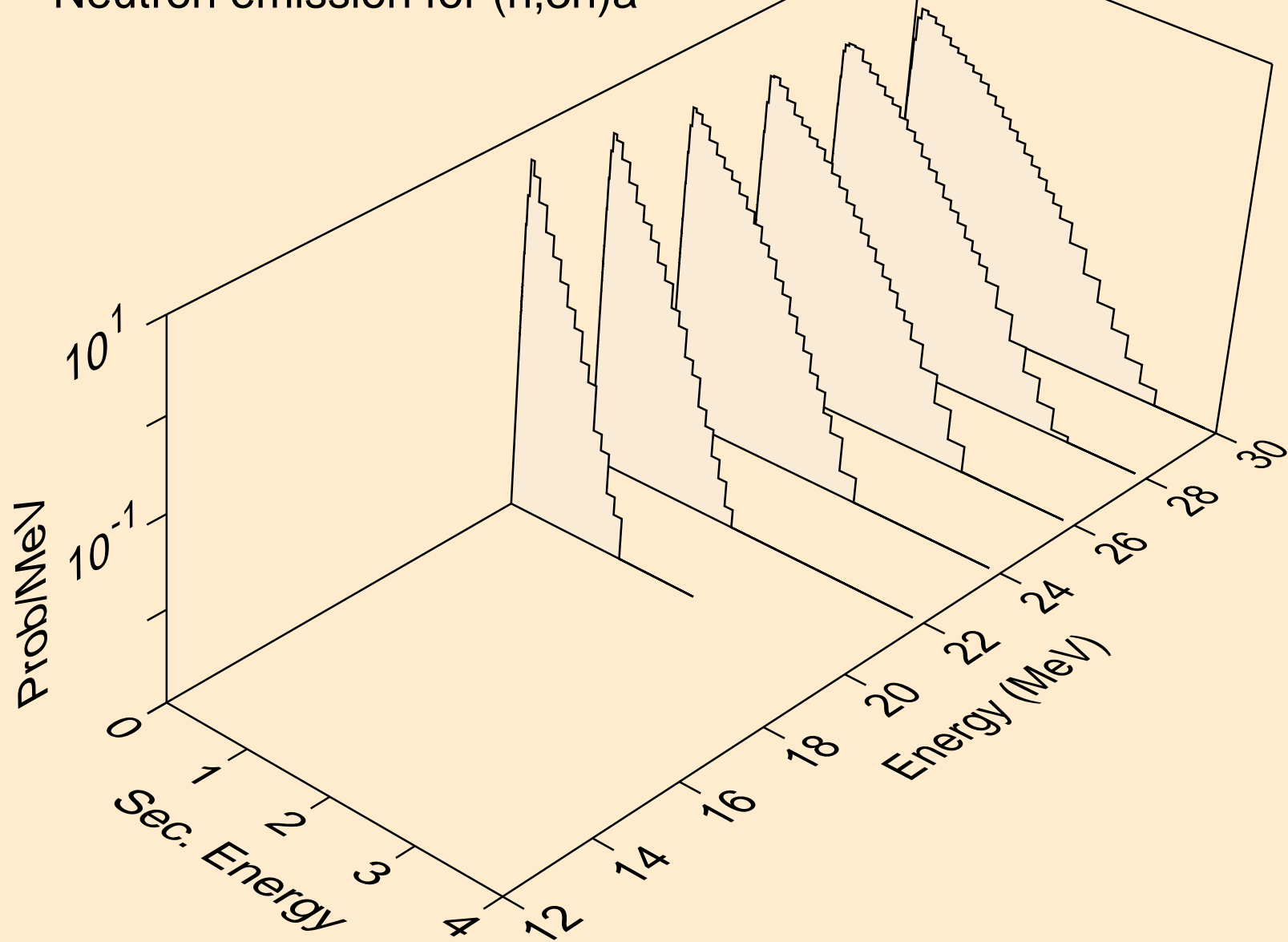
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



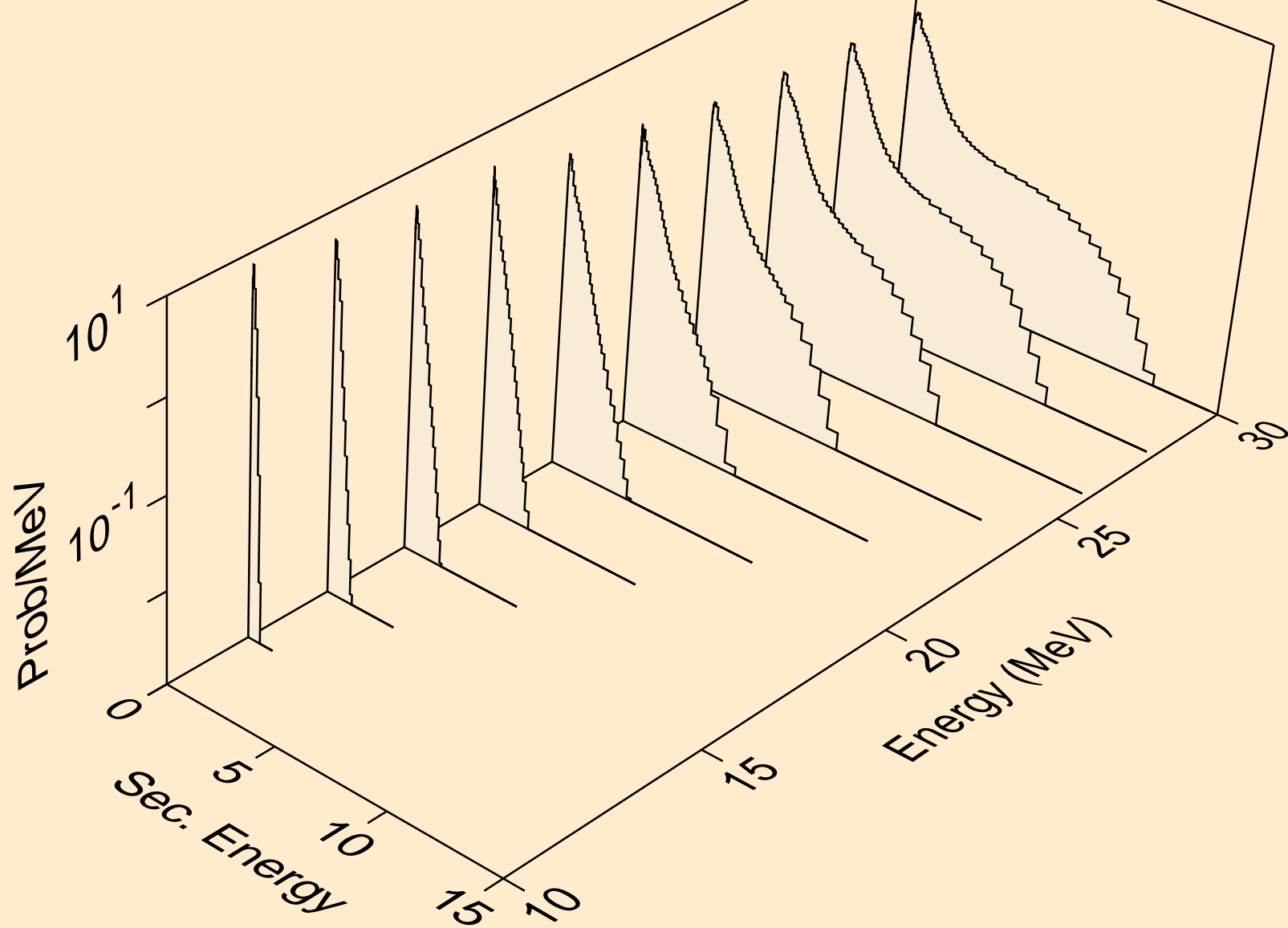
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



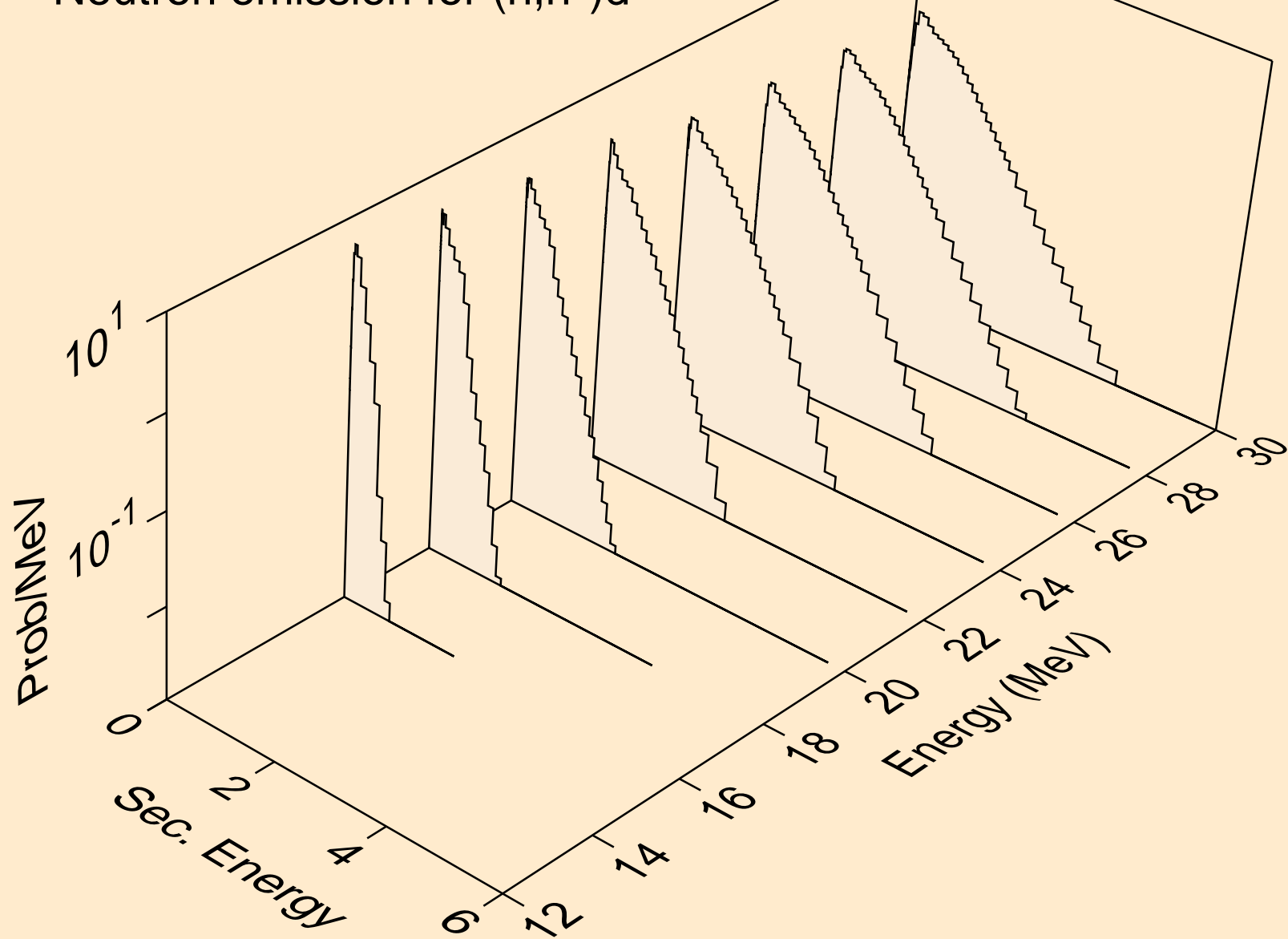
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



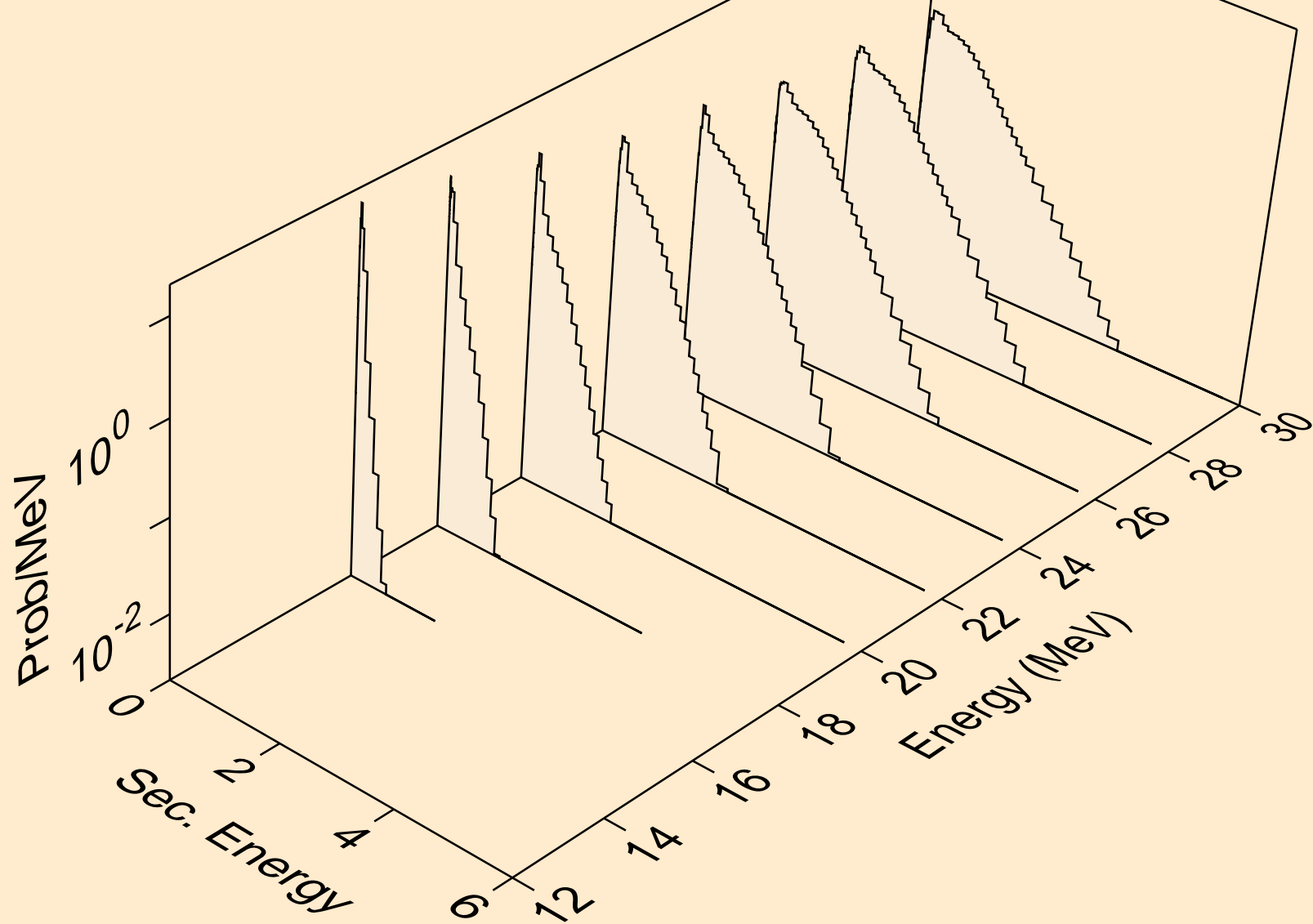
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



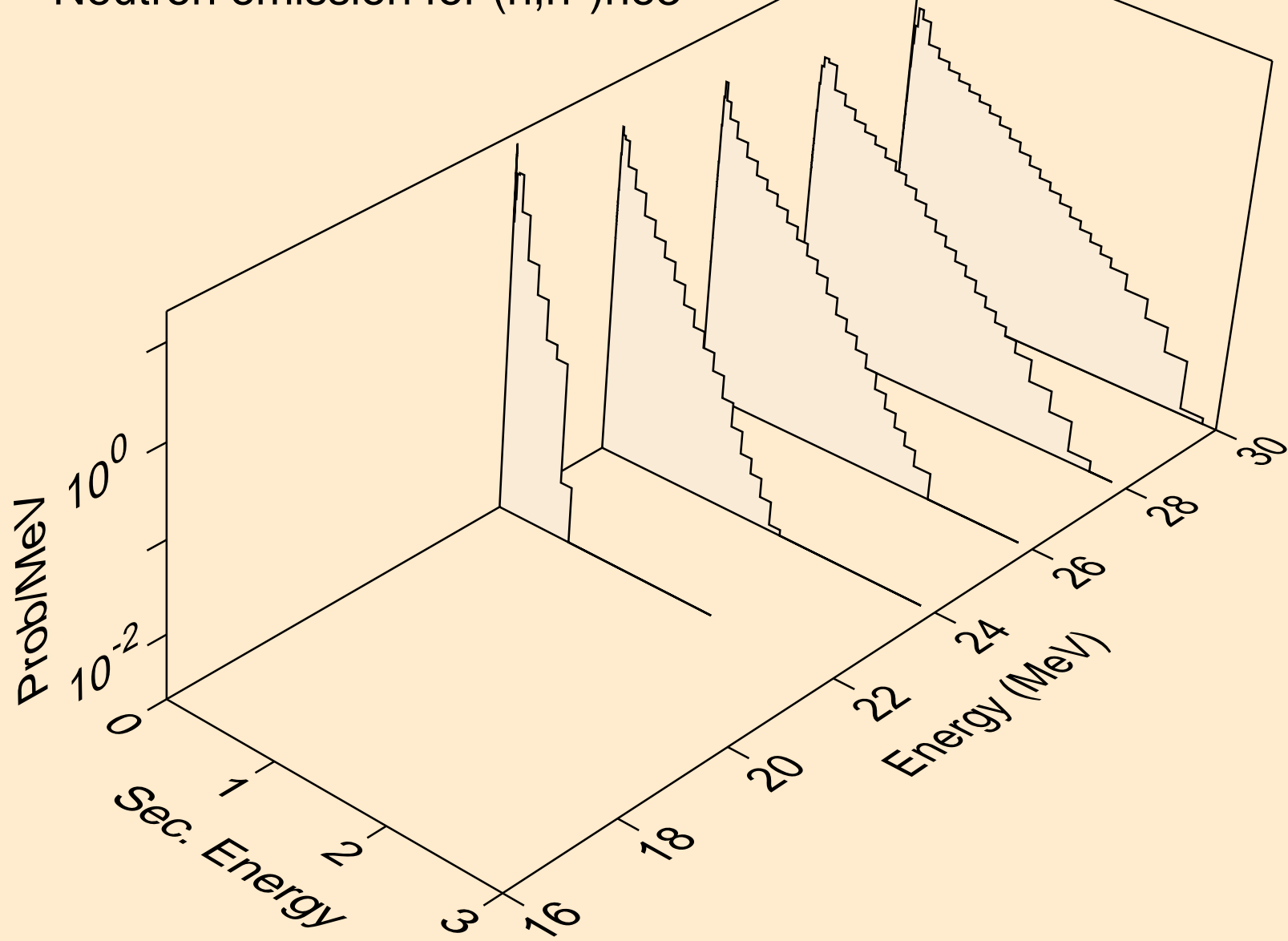
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



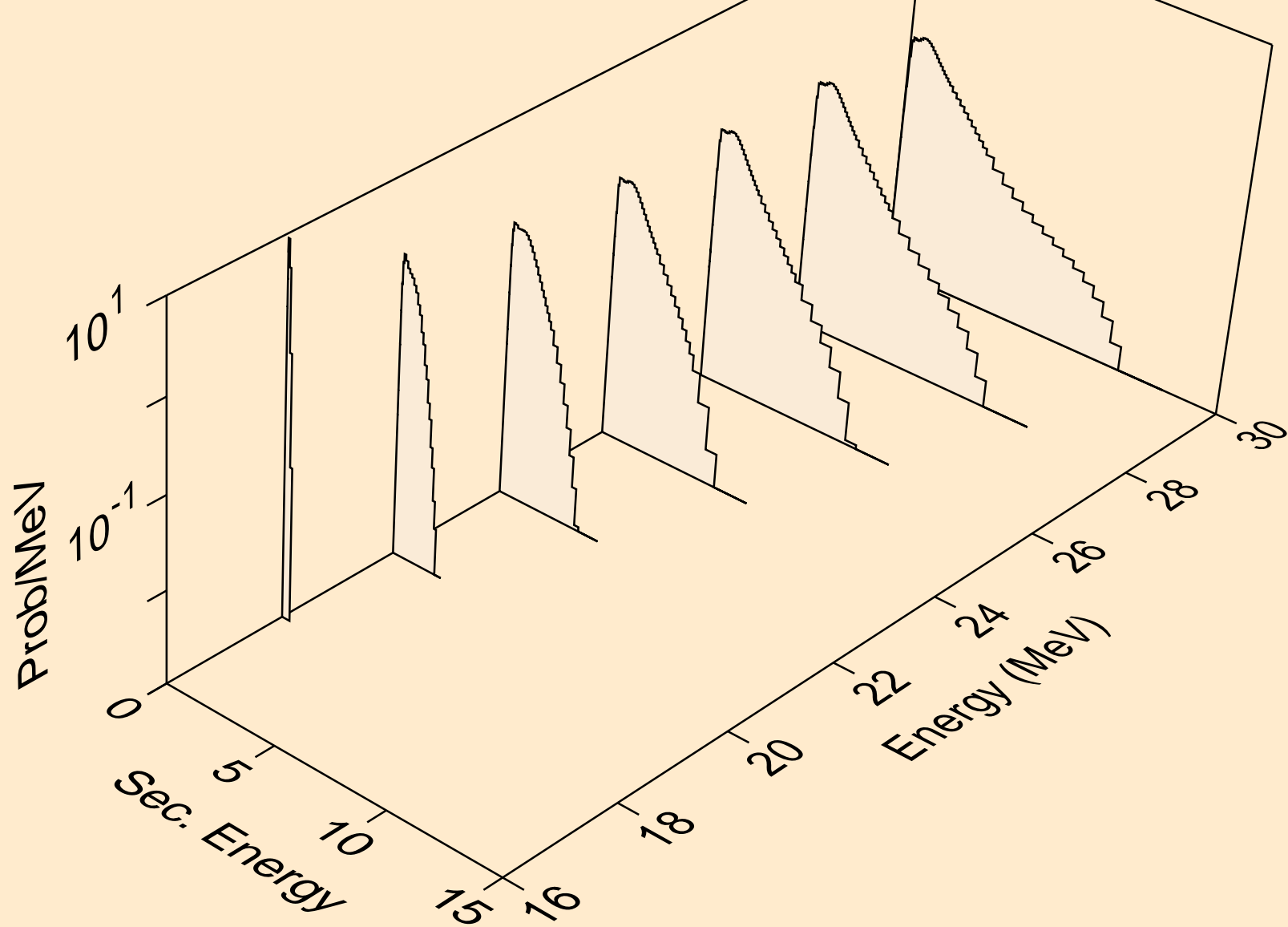
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



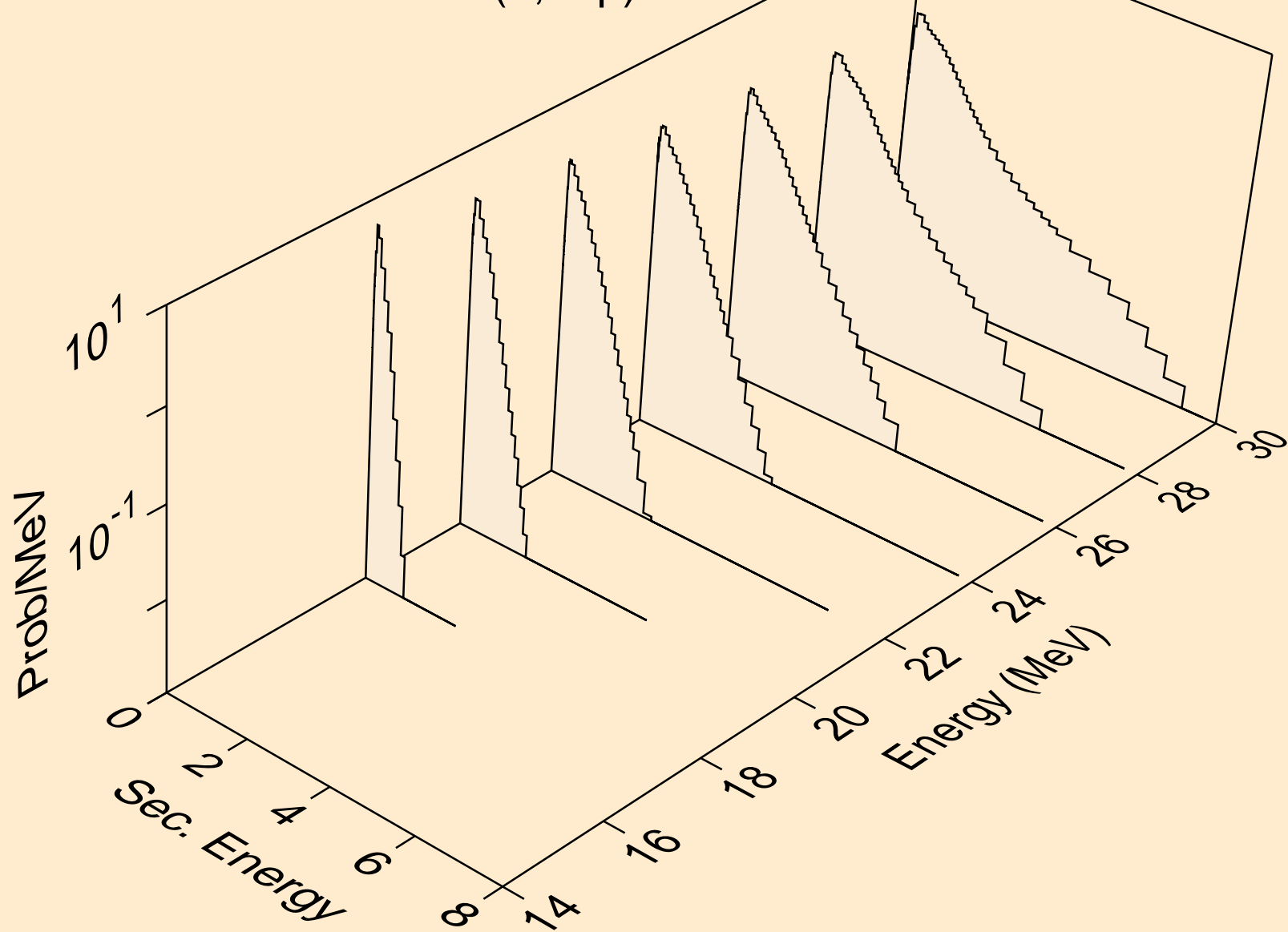
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



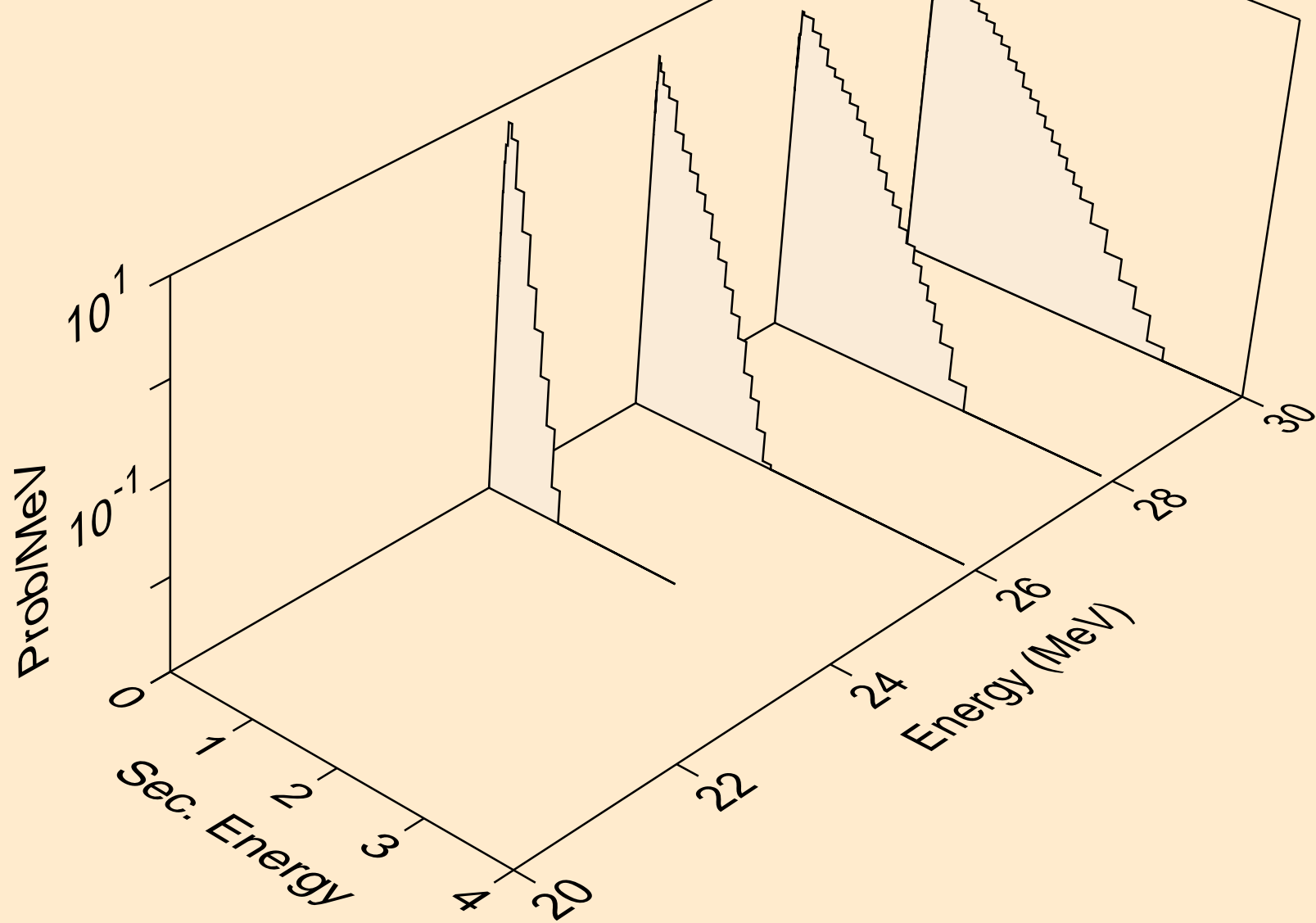
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



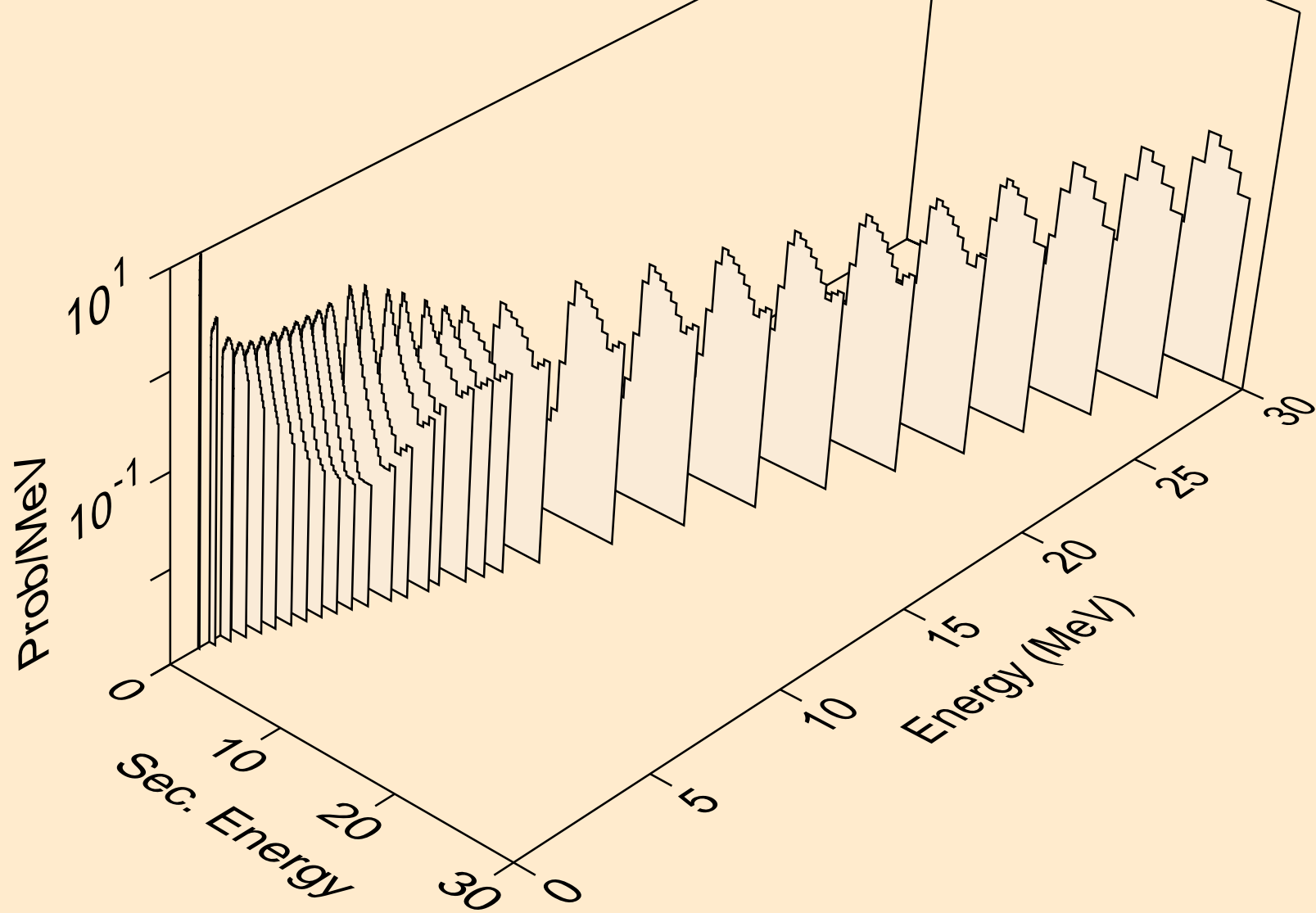
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



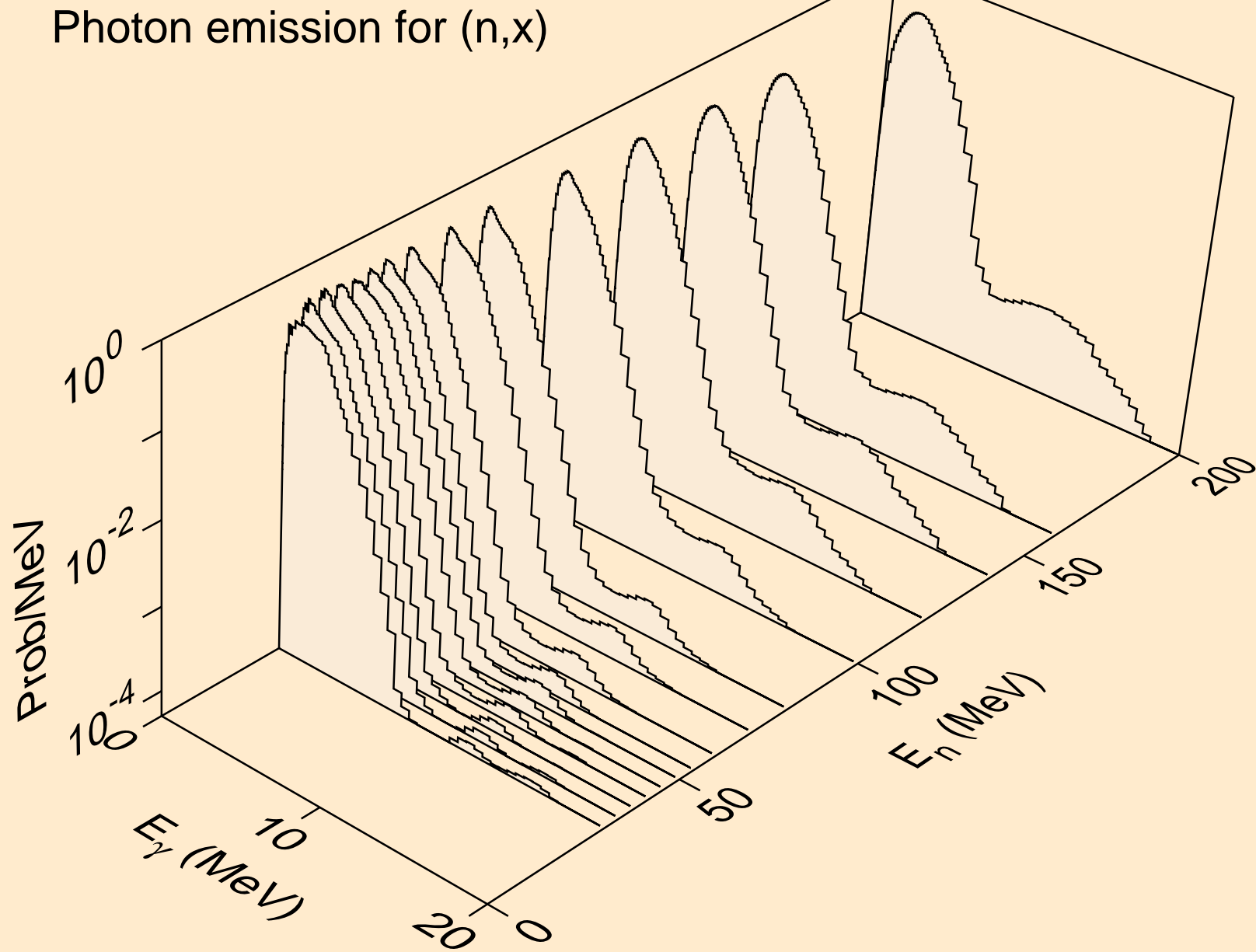
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



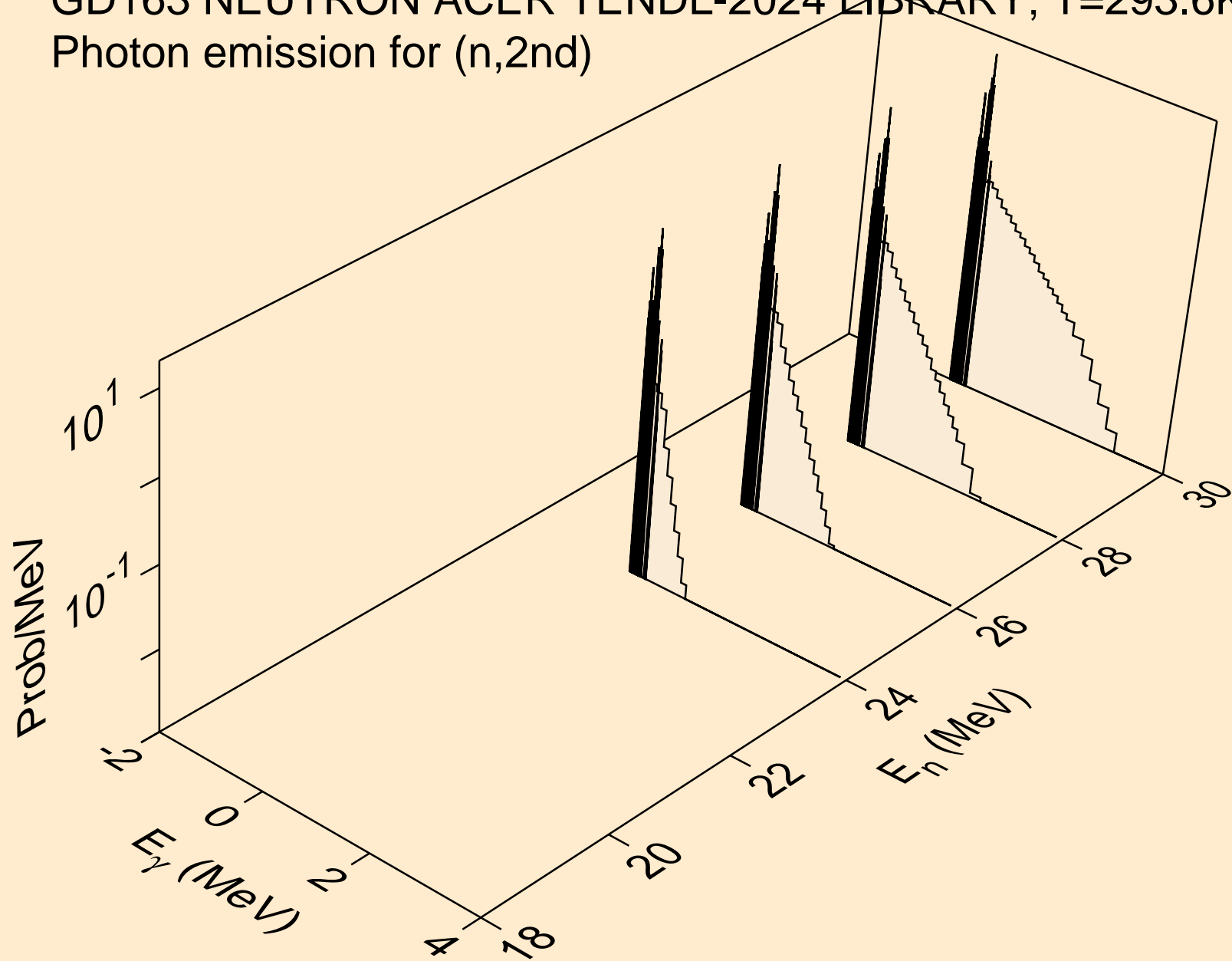
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Neutron emission for (n,n\*c)



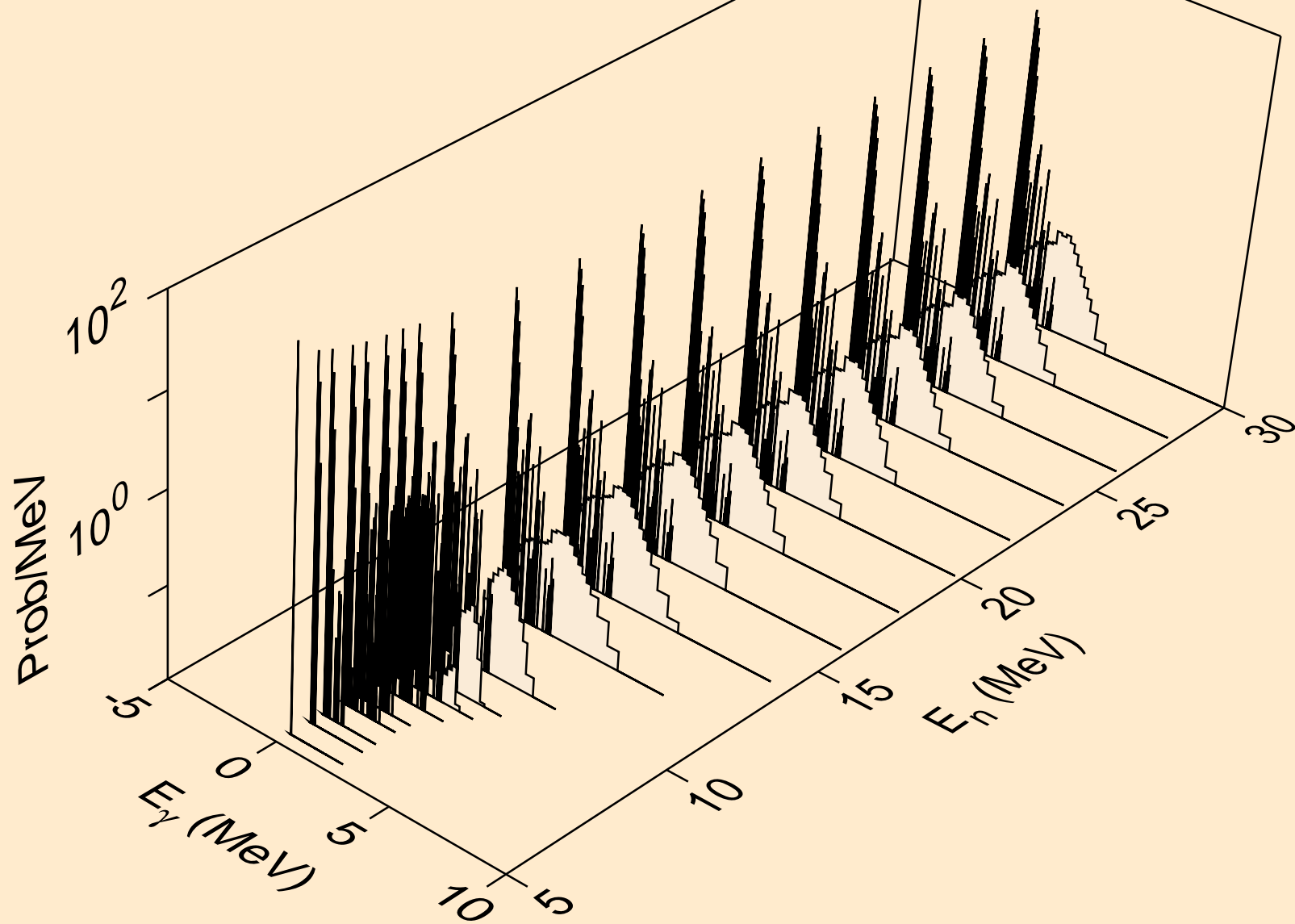
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



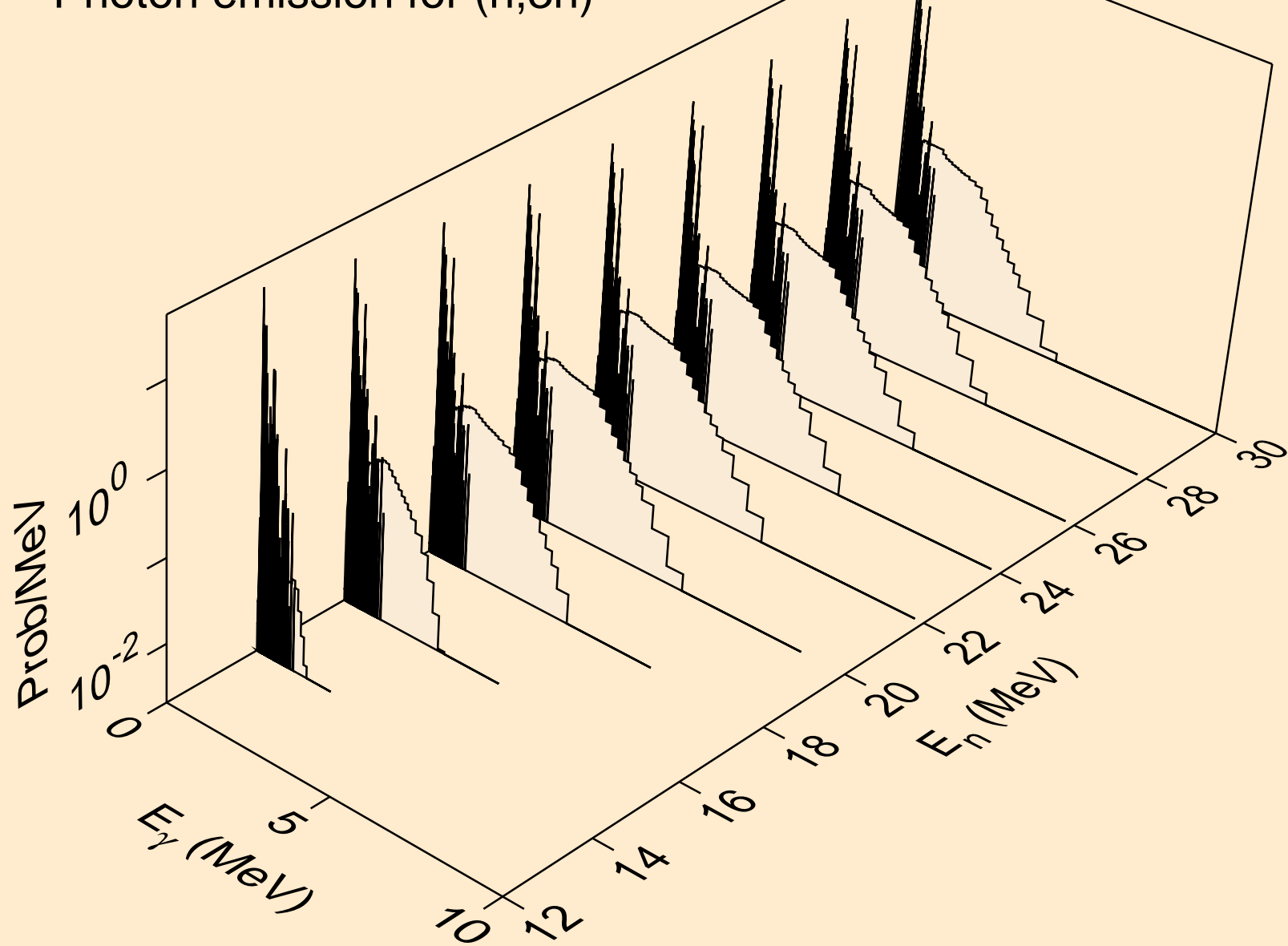
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Photon emission for (n,2nd)



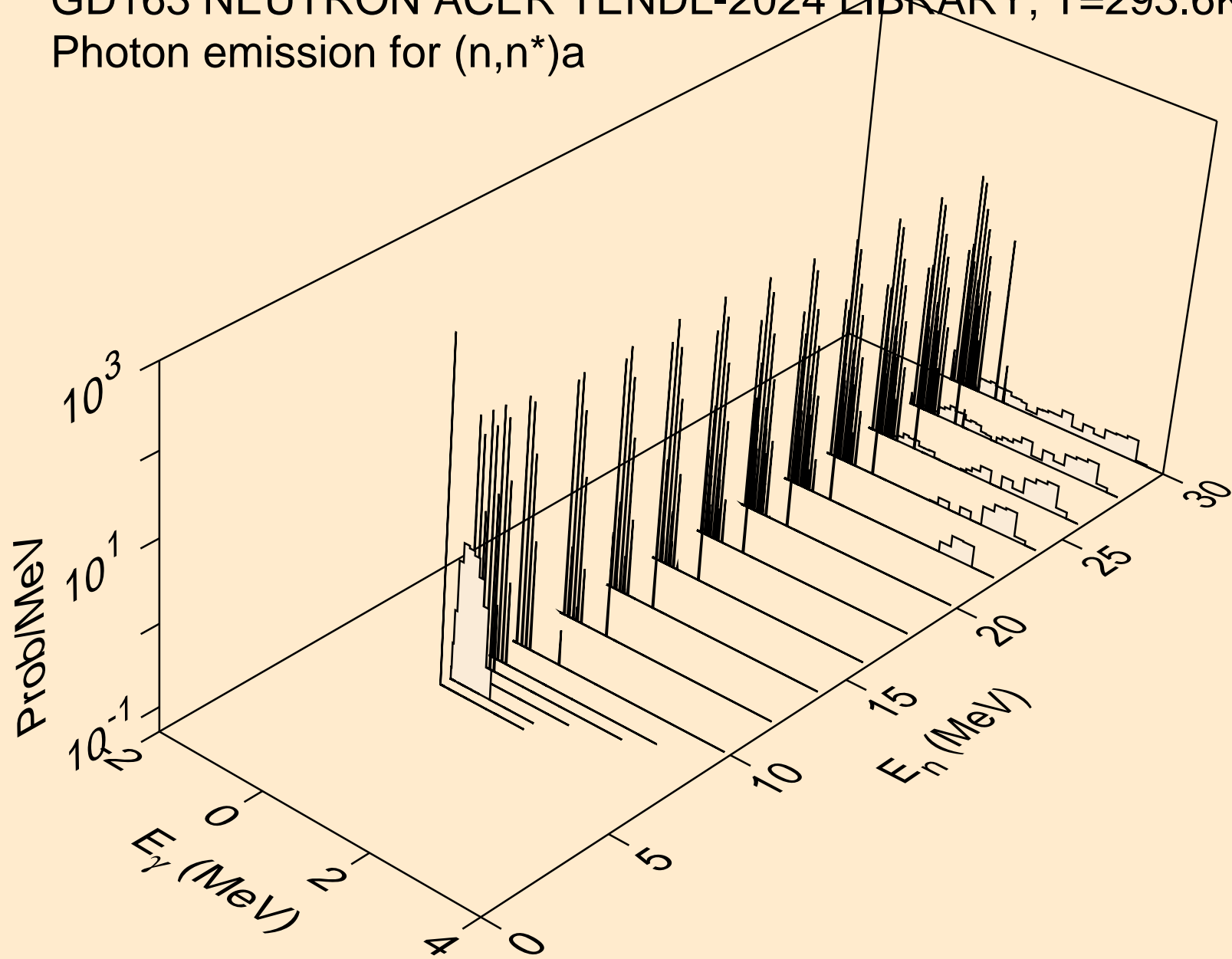
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Photon emission for (n,2n)



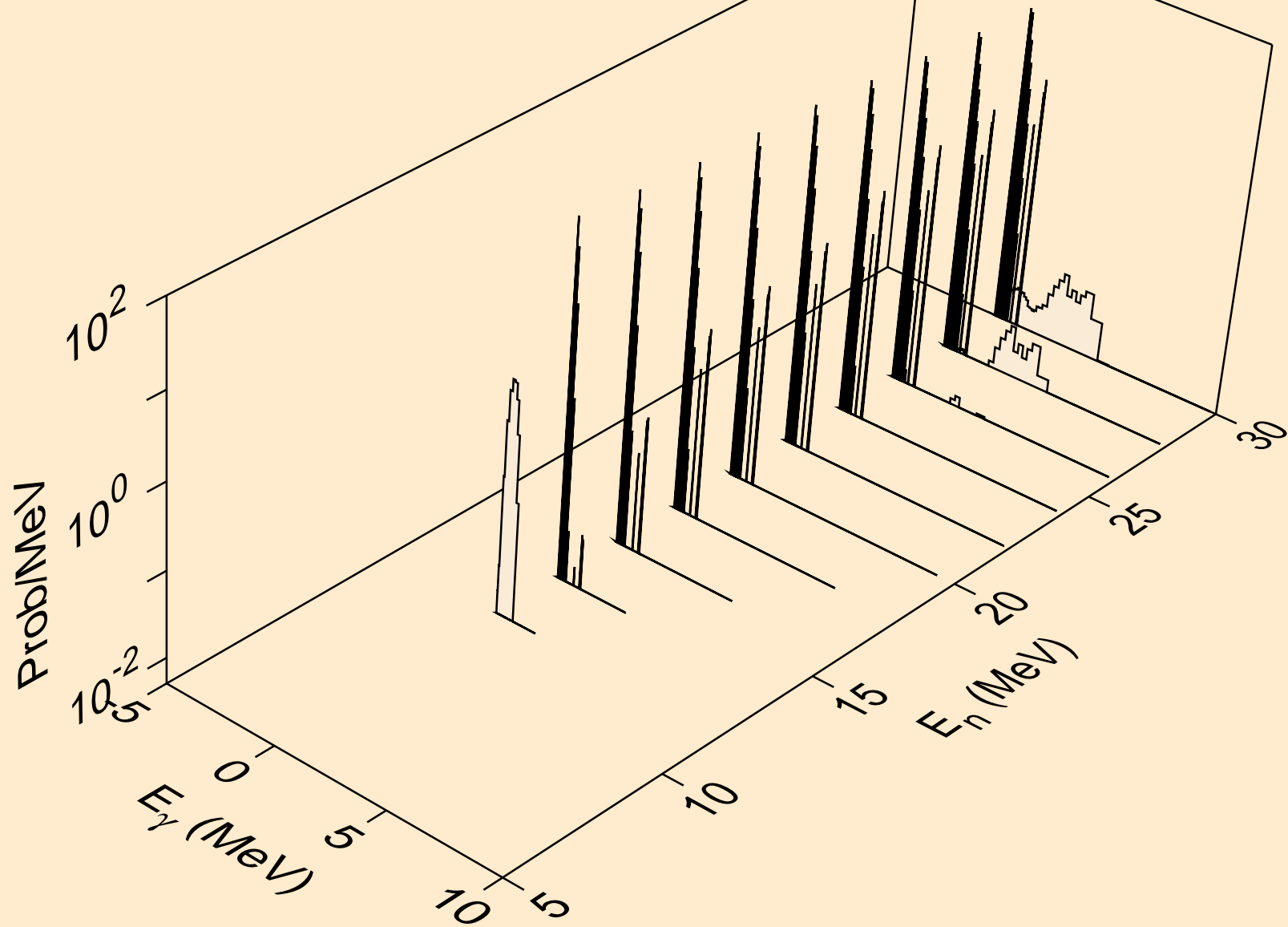
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Photon emission for (n,3n)



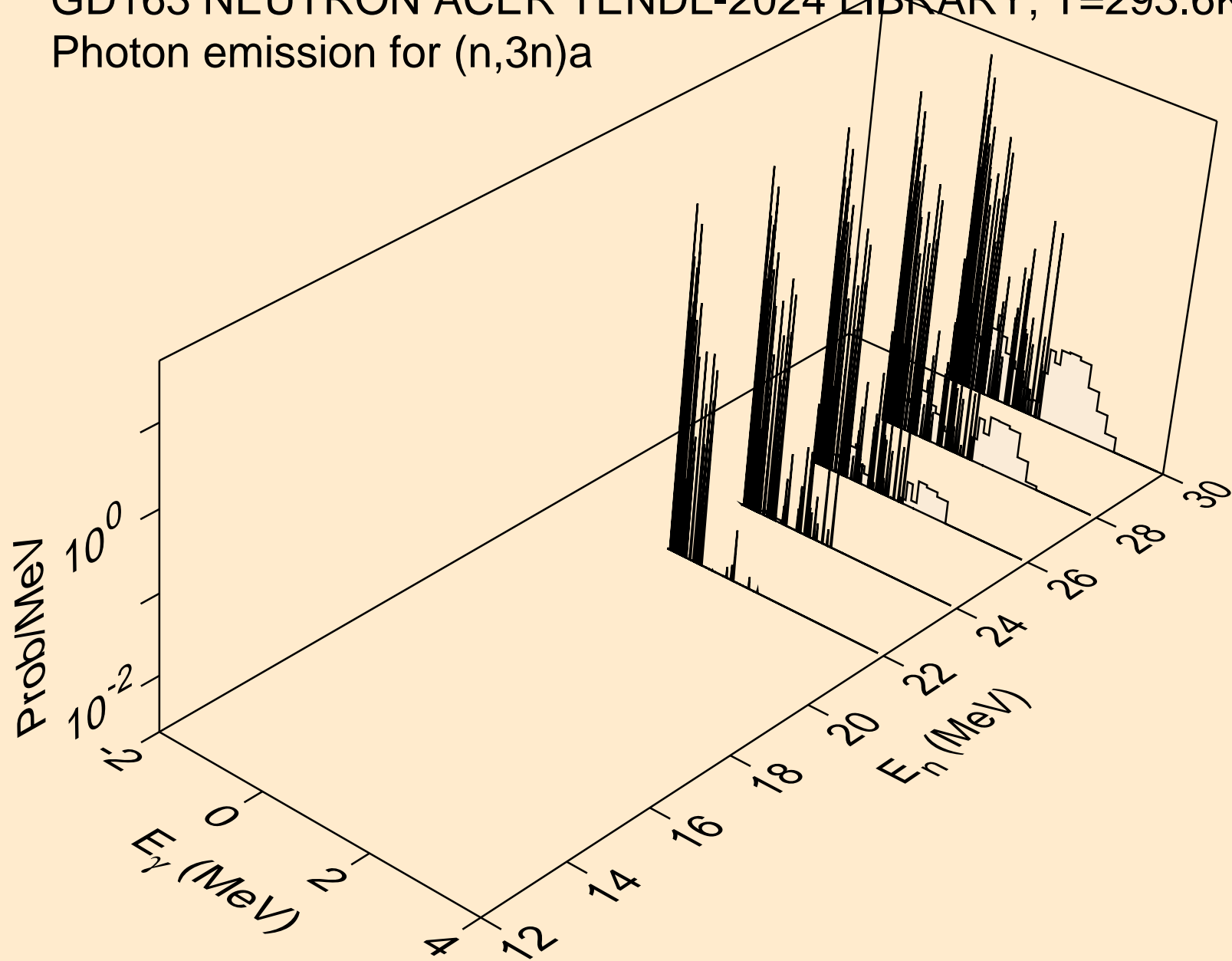
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



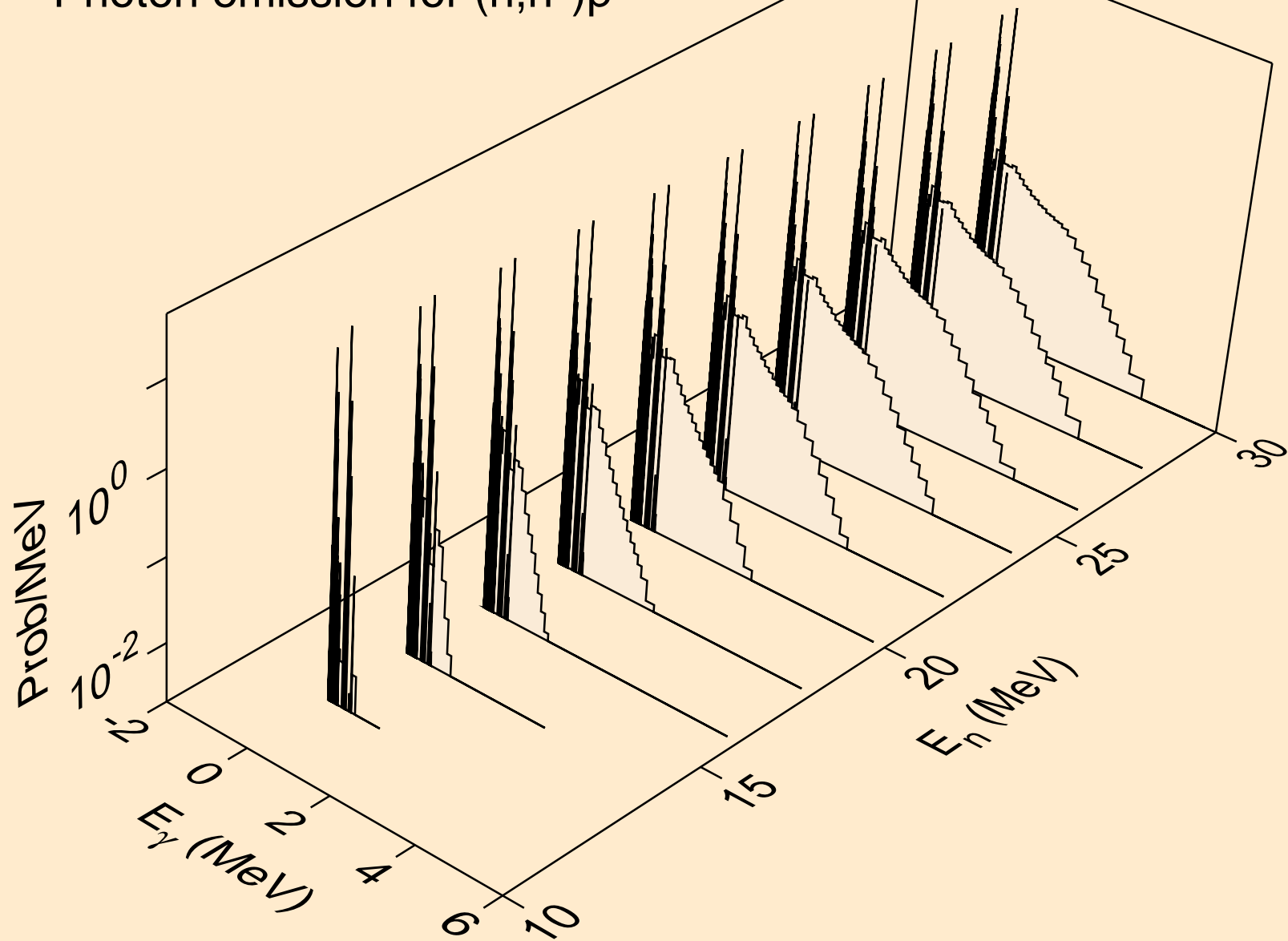
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Photon emission for (n,2n)a



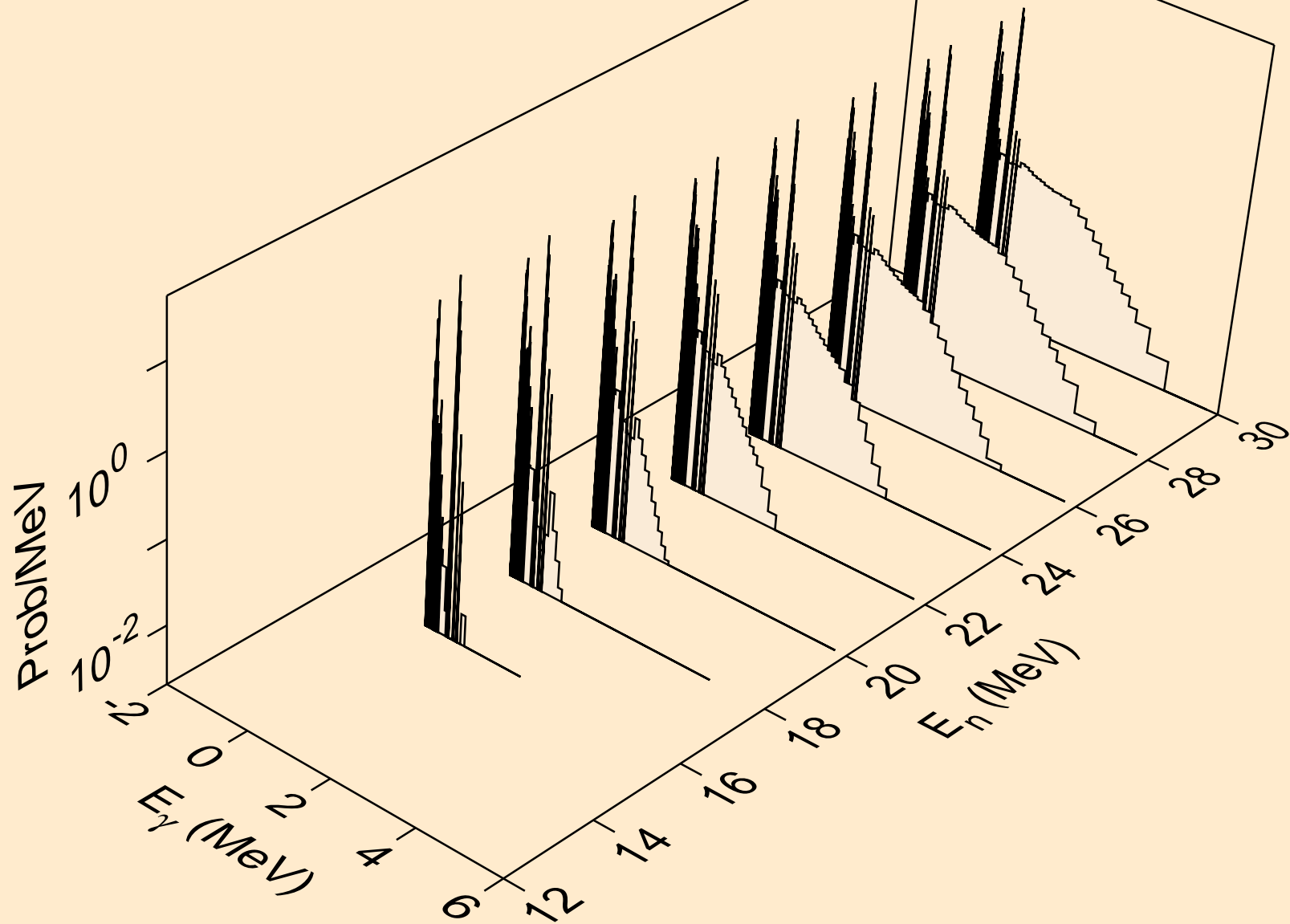
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



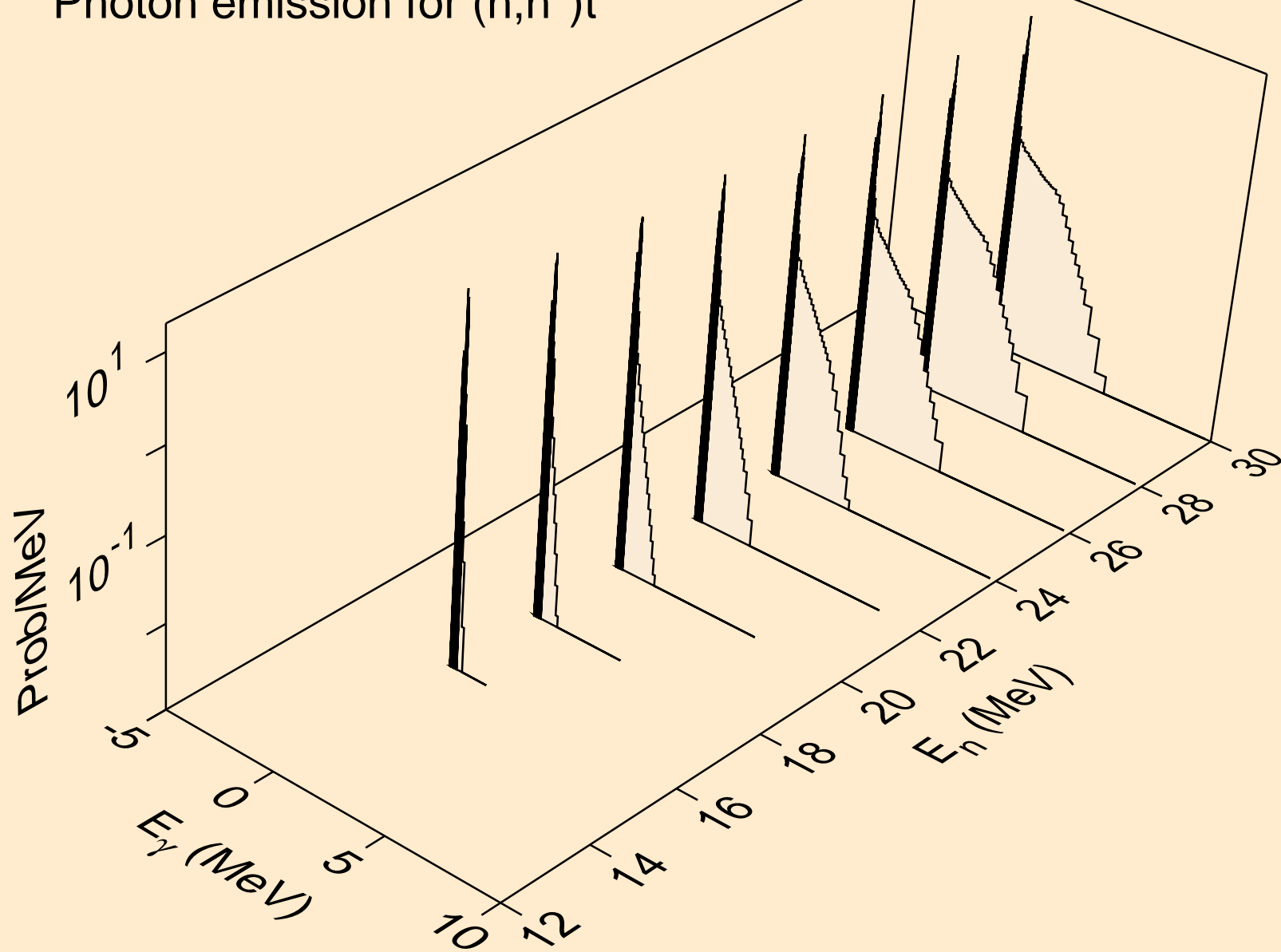
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



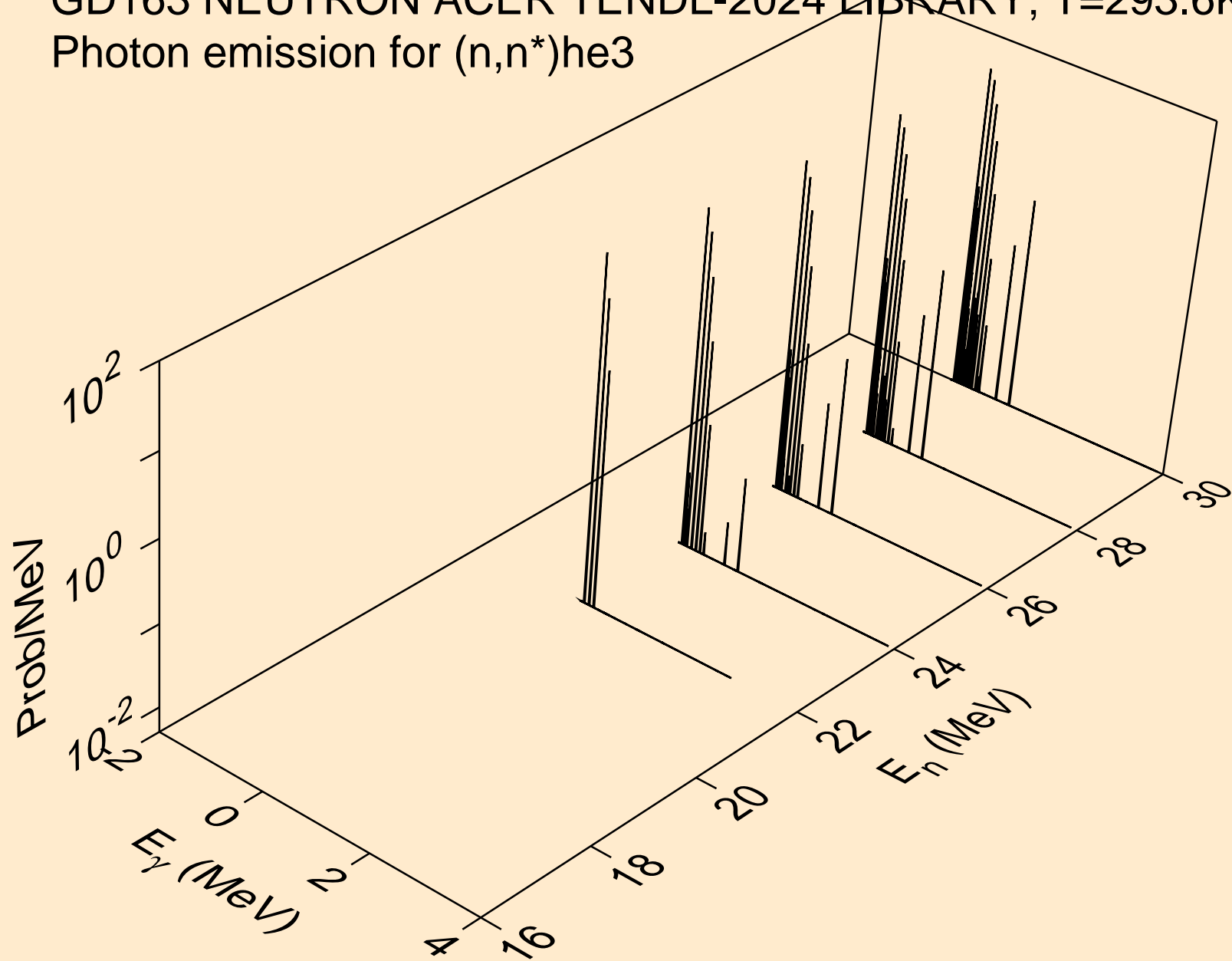
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



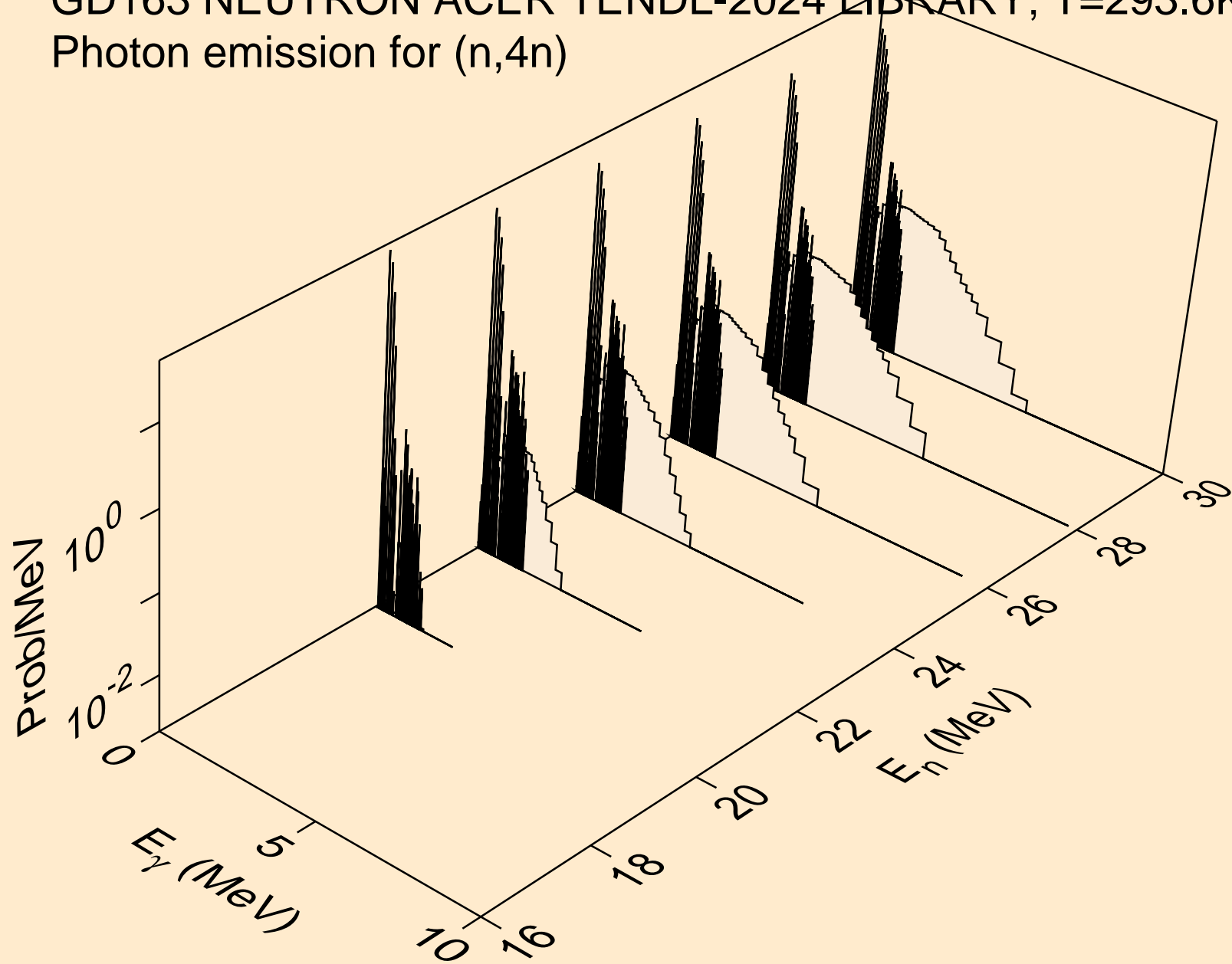
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Photon emission for (n,n\*)t



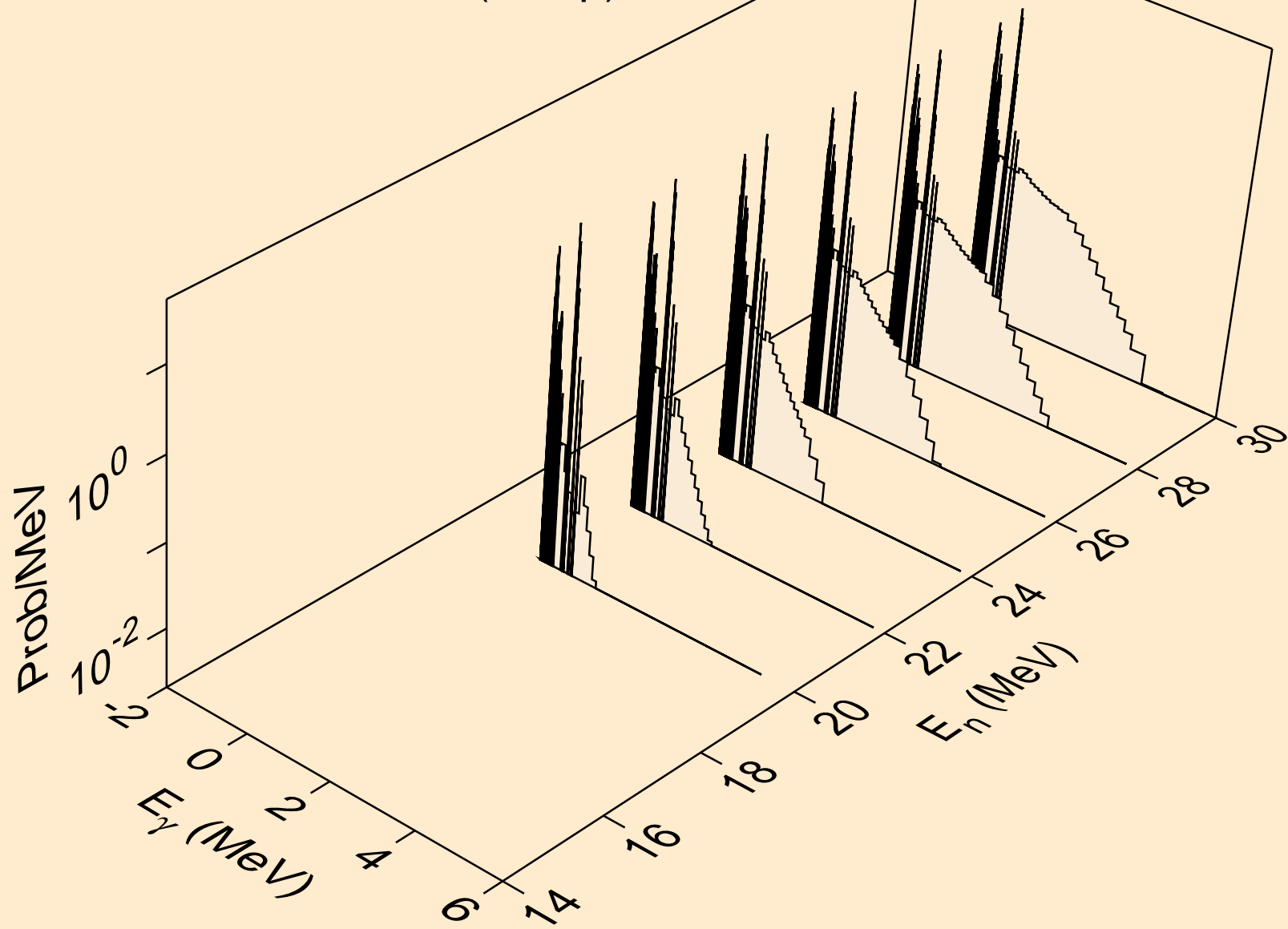
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



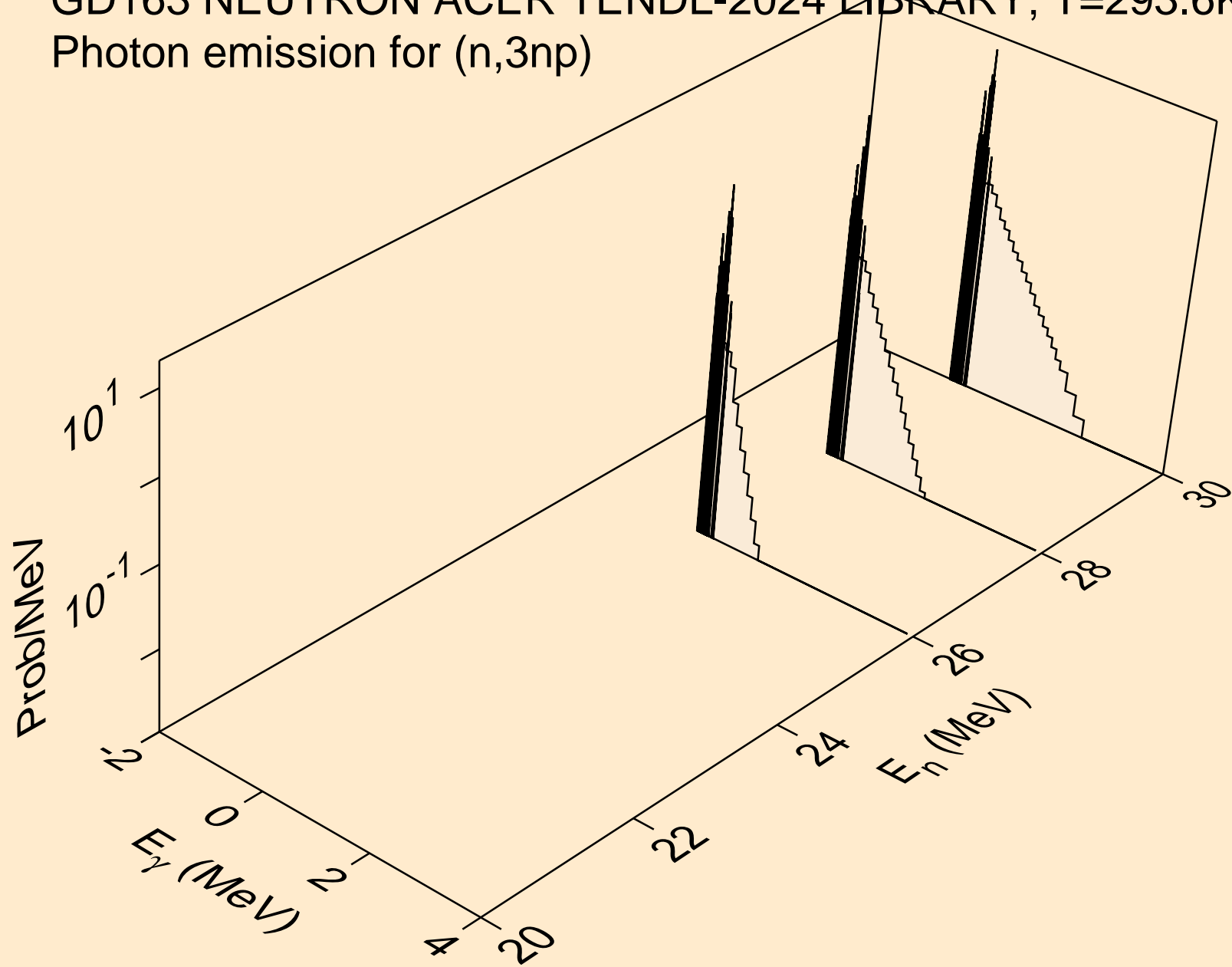
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



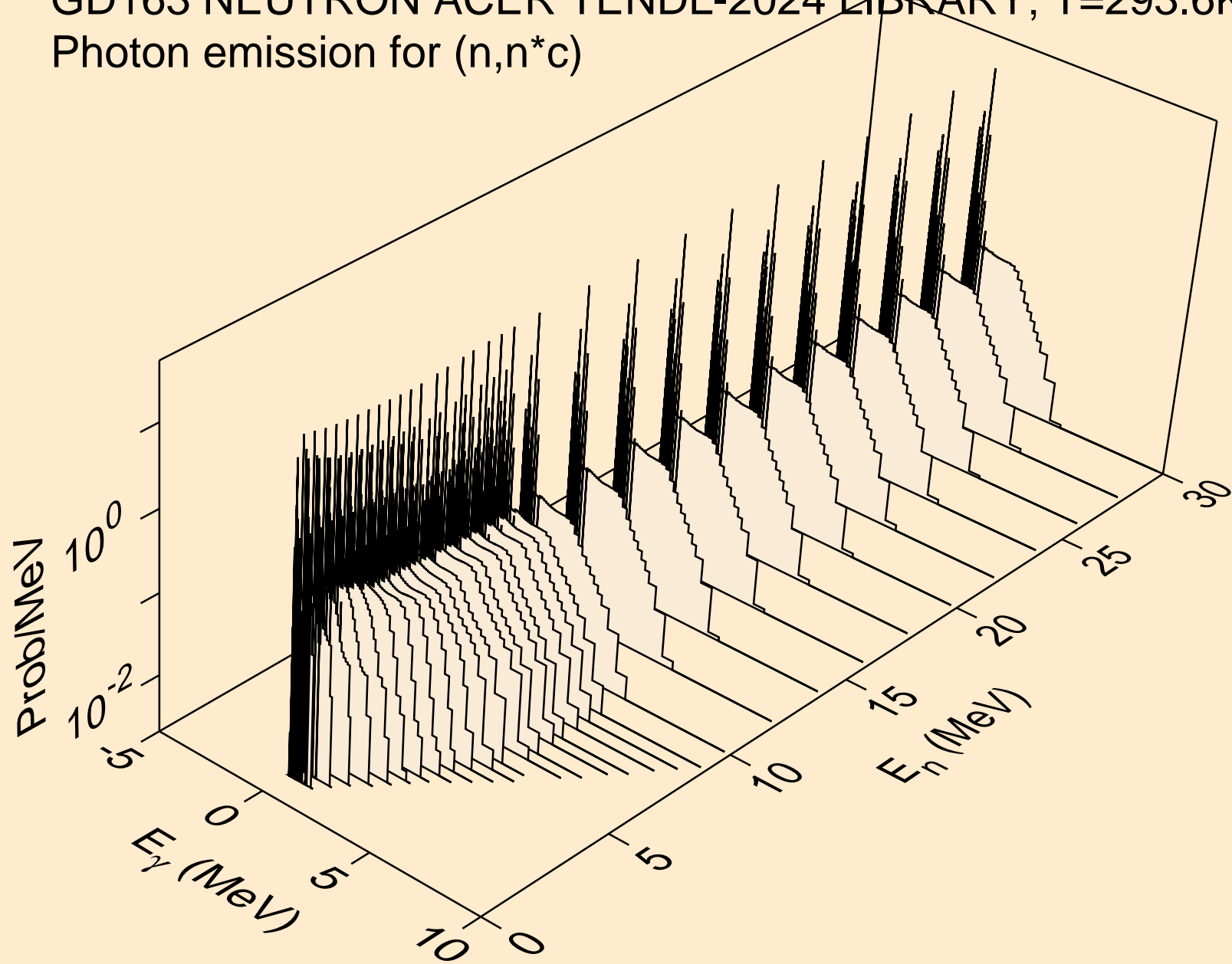
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Photon emission for (n,2np)



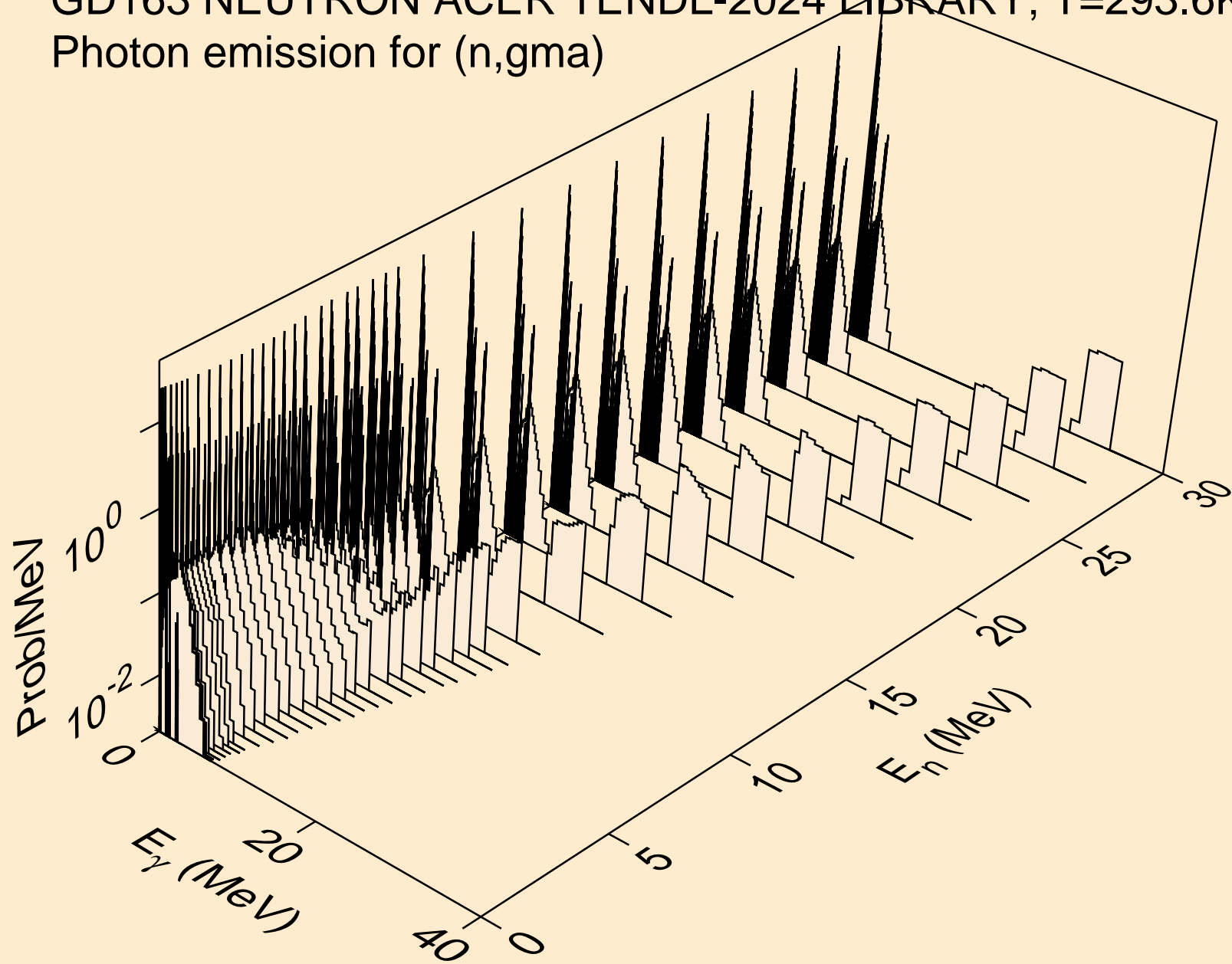
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Photon emission for (n,3np)



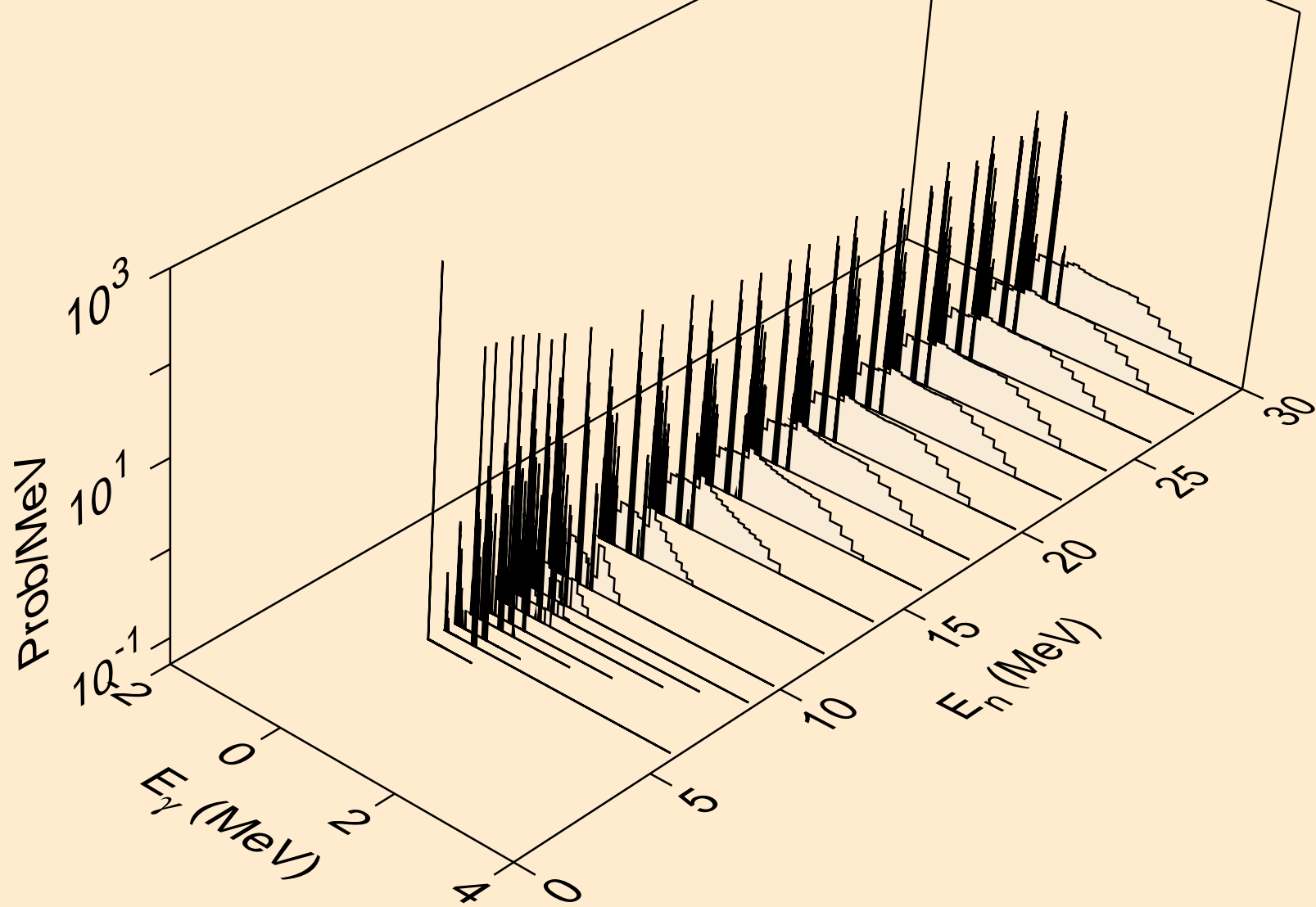
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



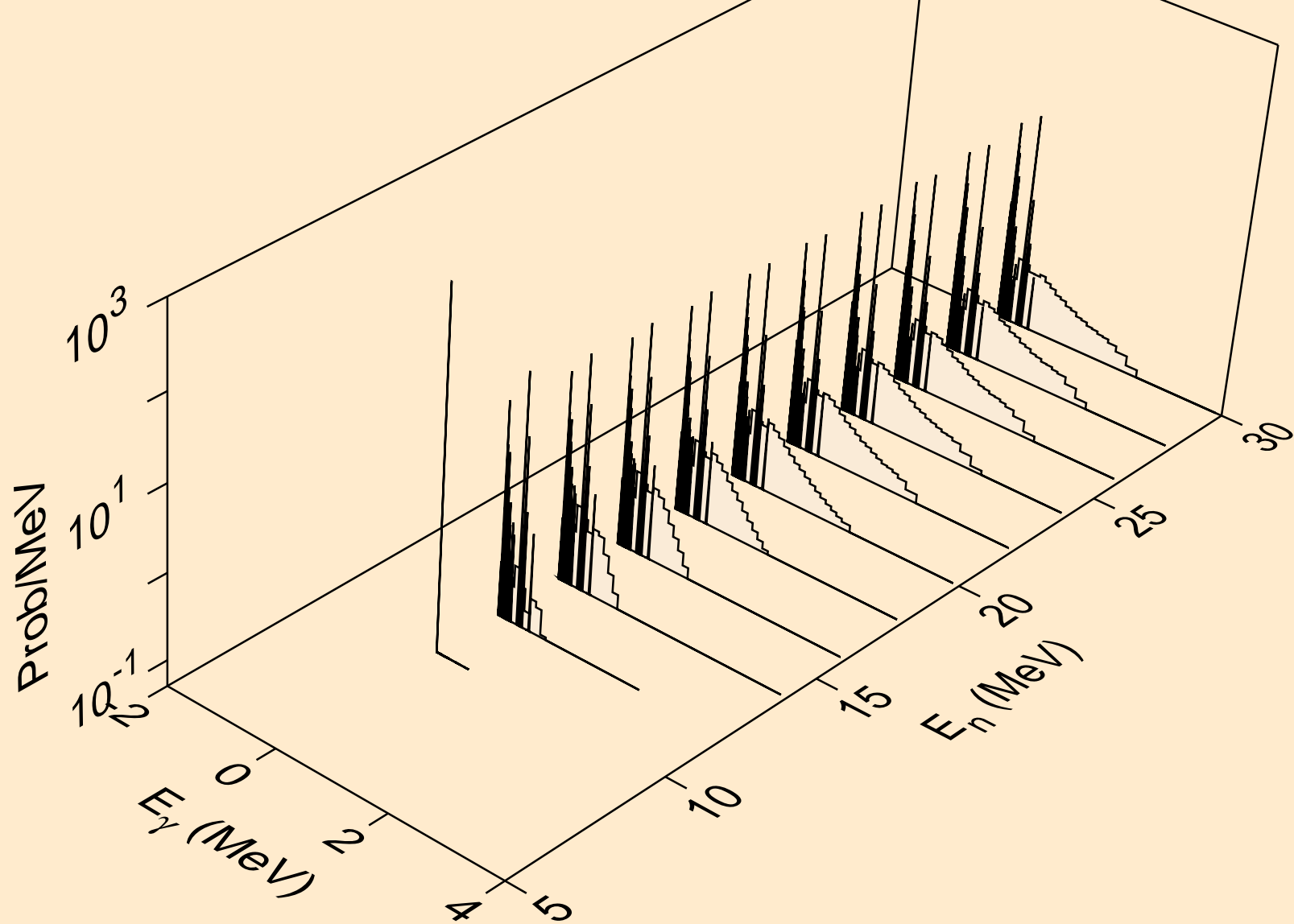
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



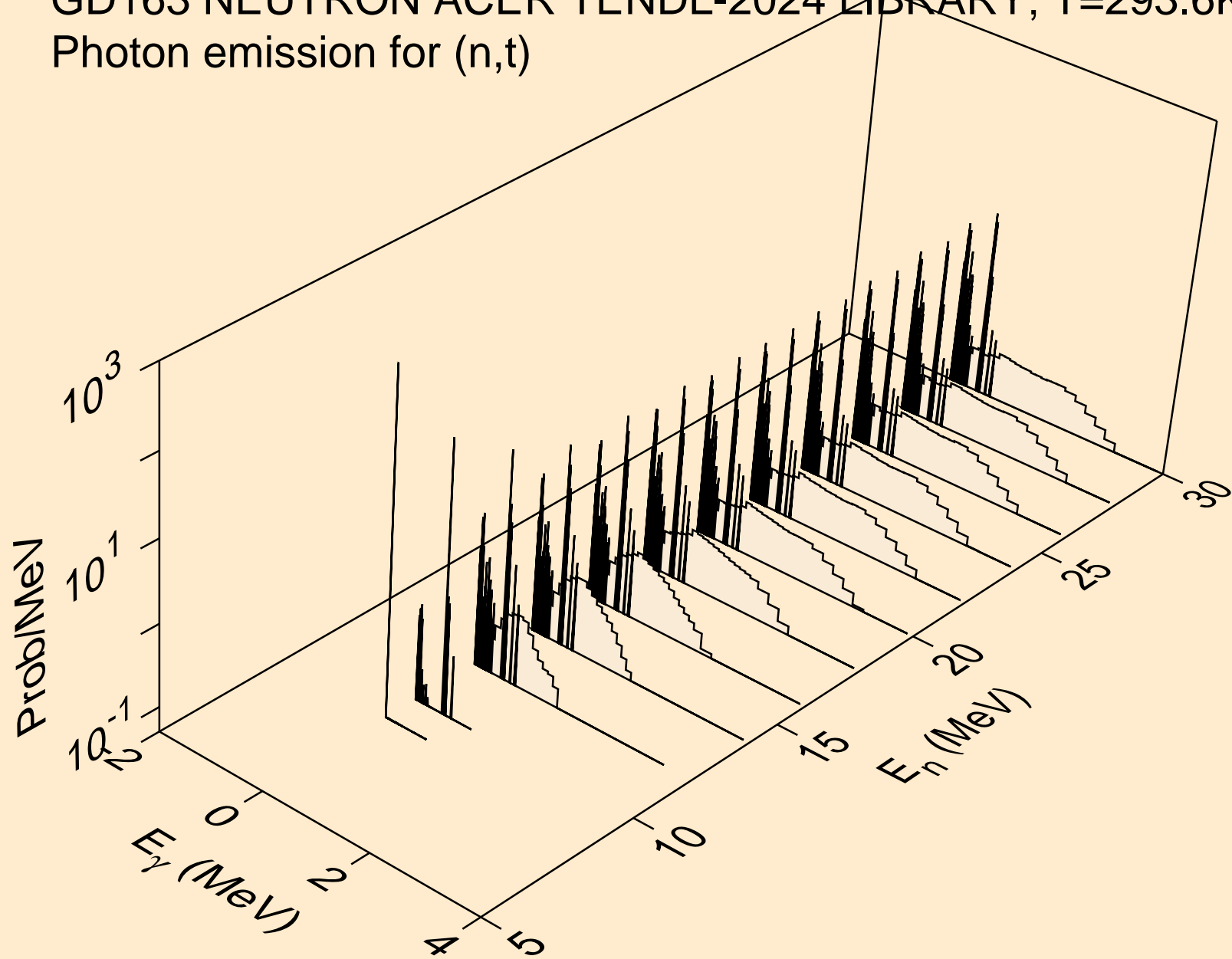
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Photon emission for (n,p)



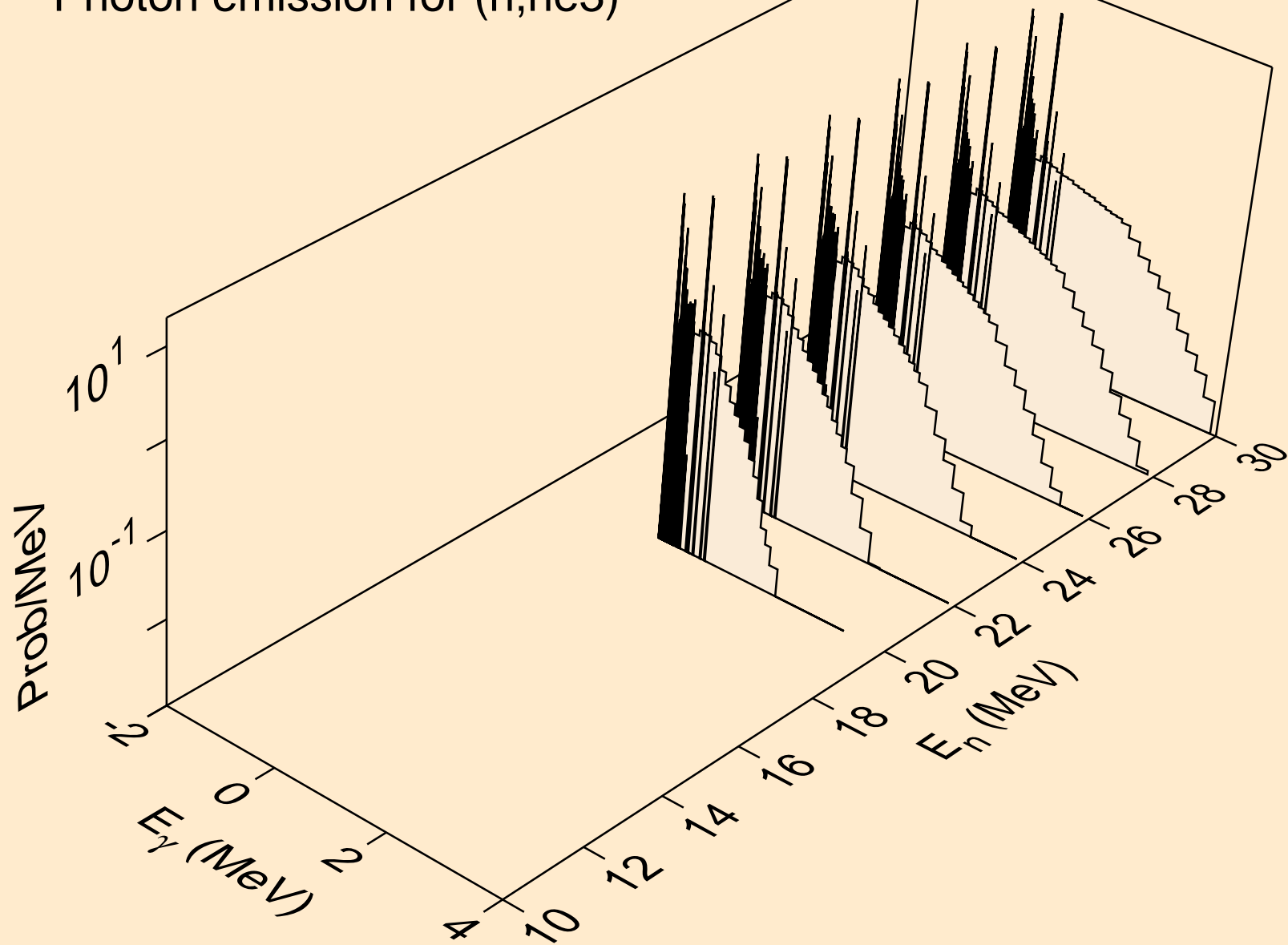
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



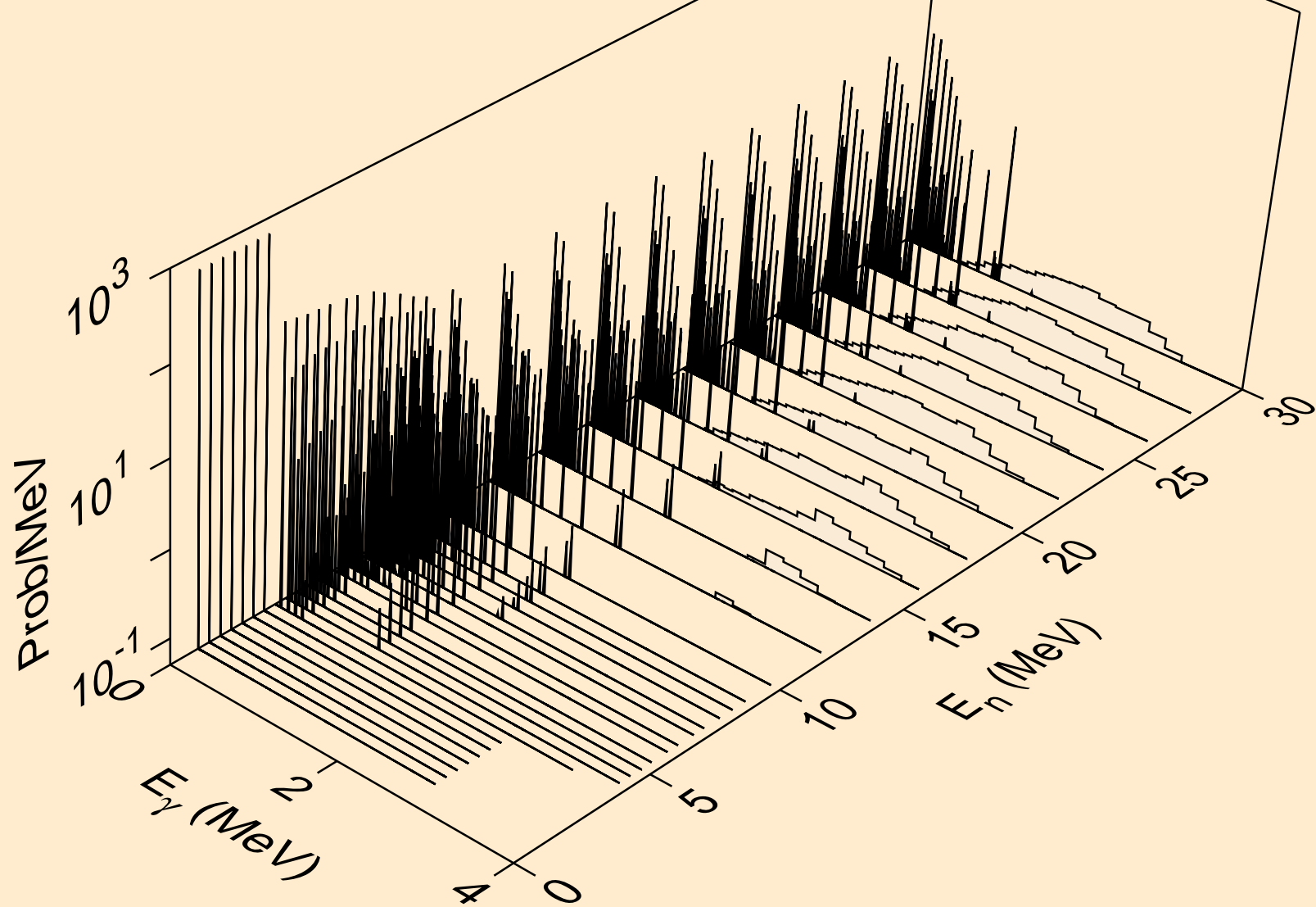
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Photon emission for (n,t)



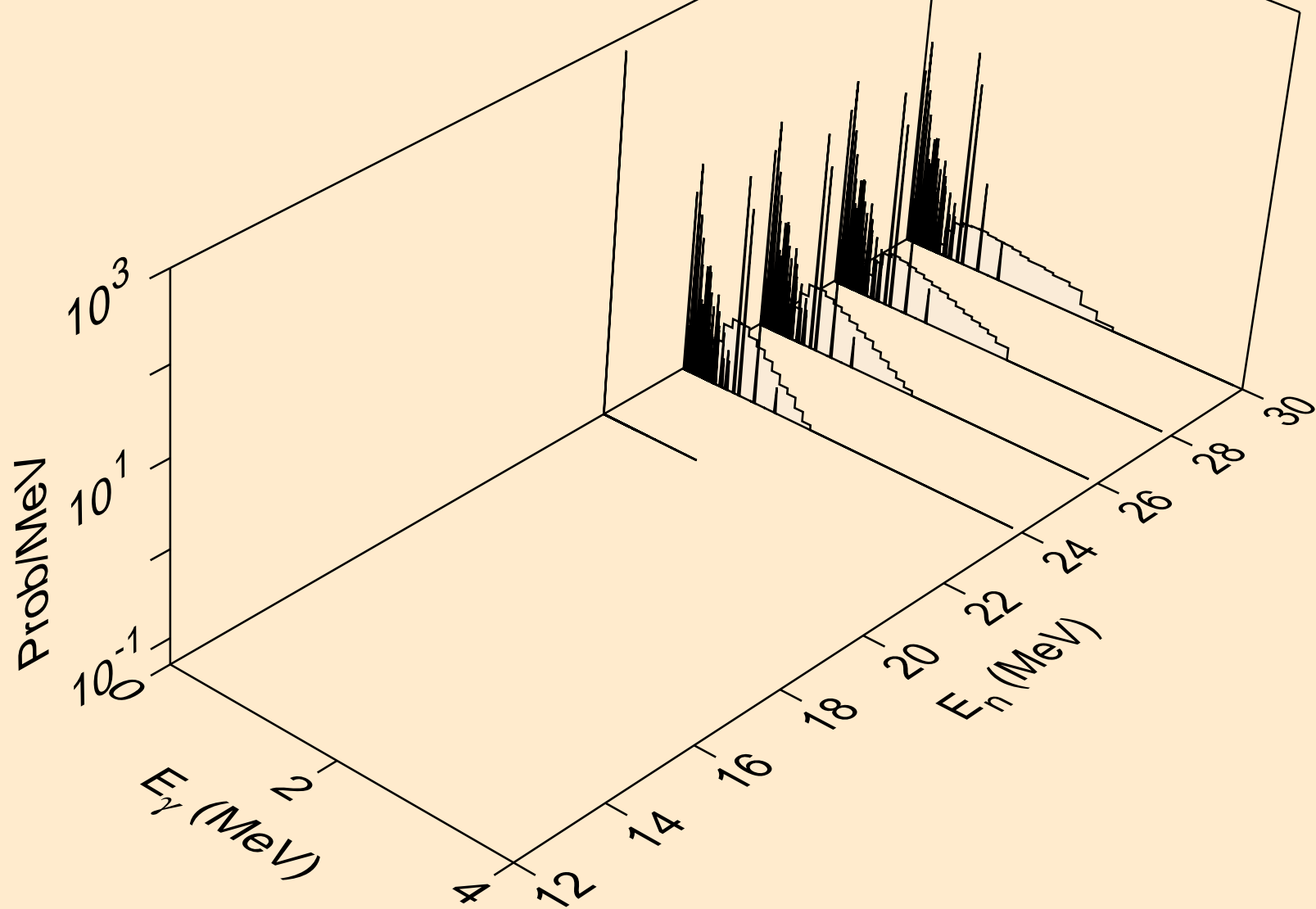
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Photon emission for (n,he3)



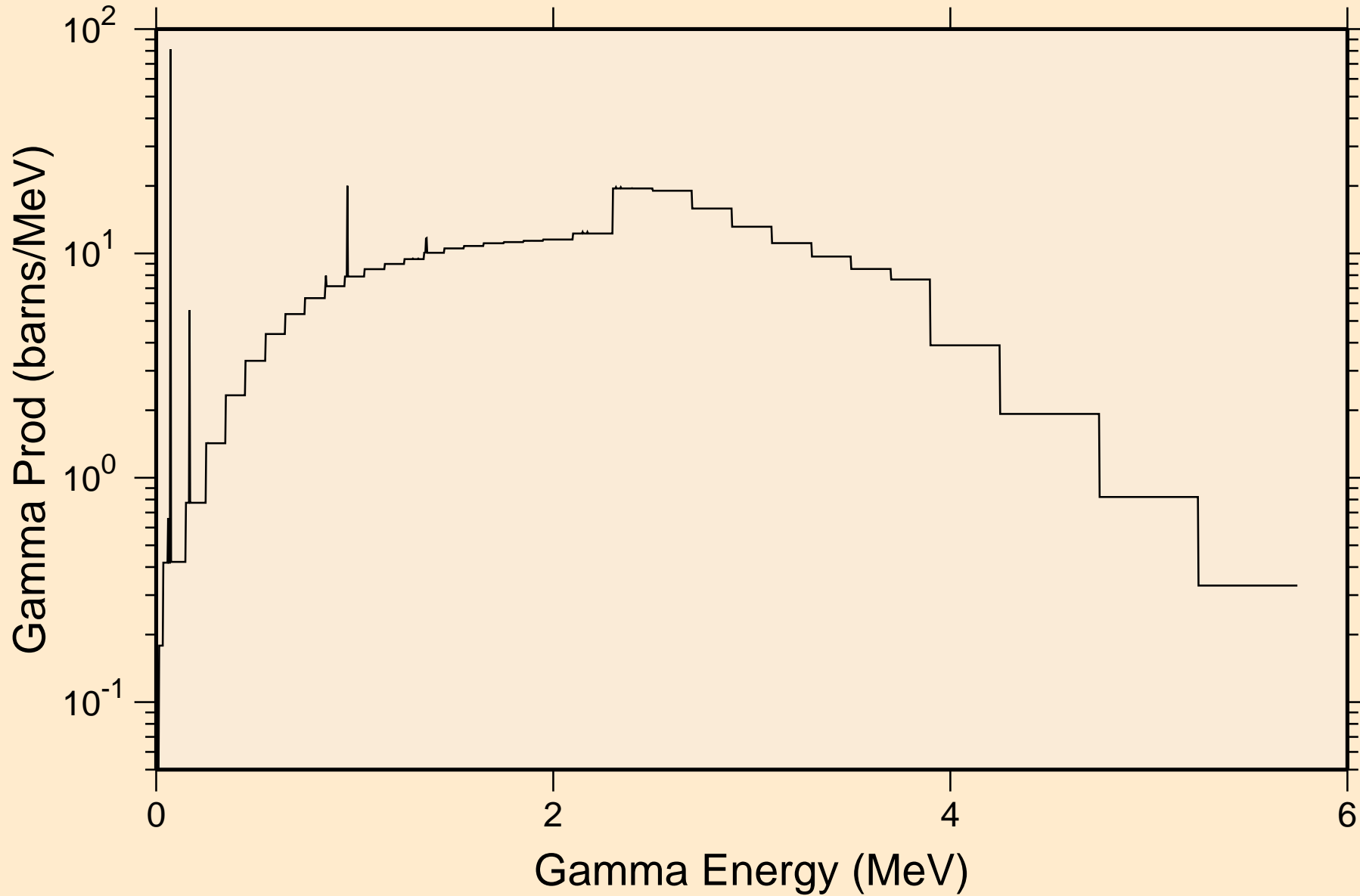
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Photon emission for (n,a)



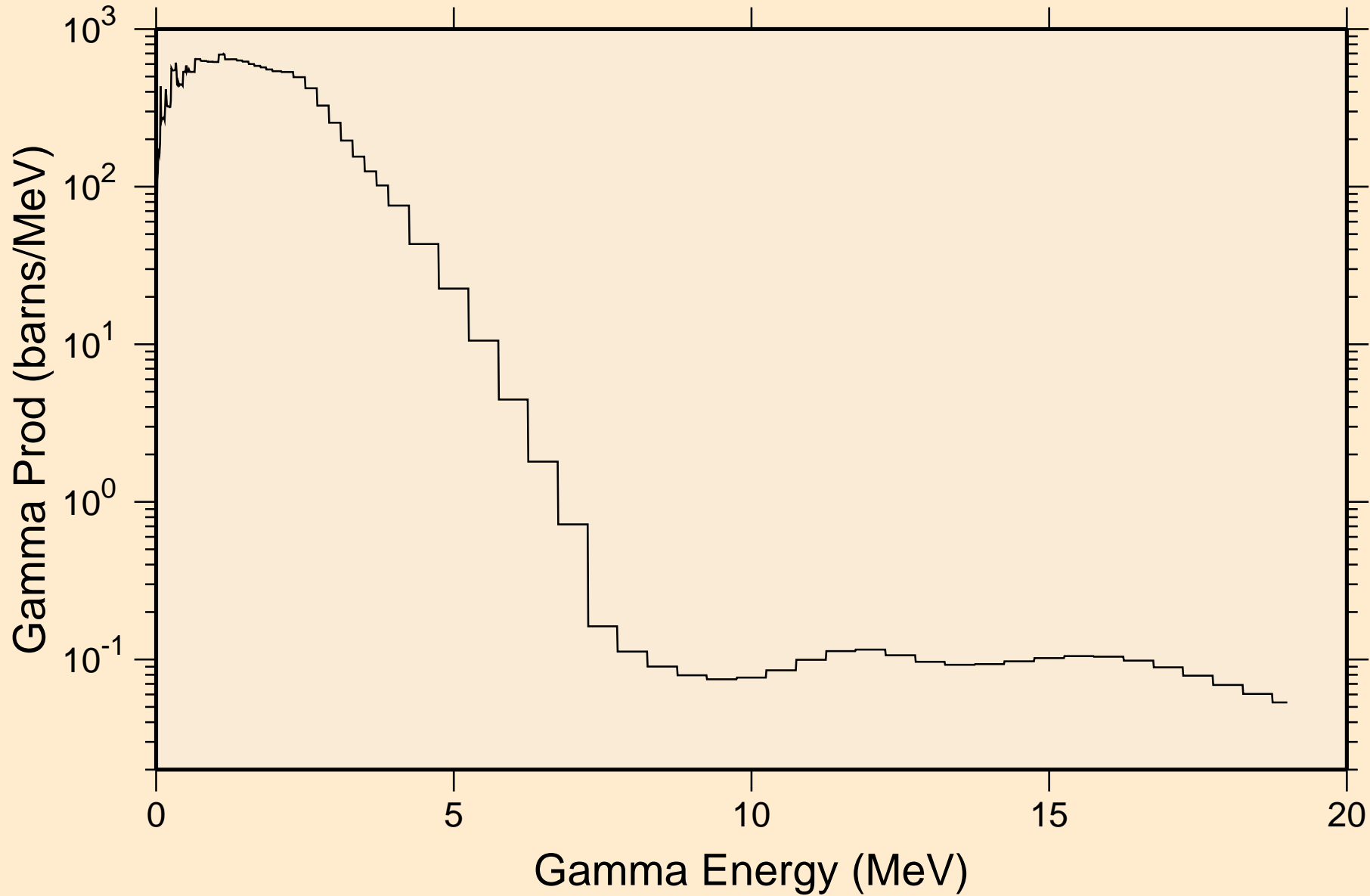
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Photon emission for (n,2p)



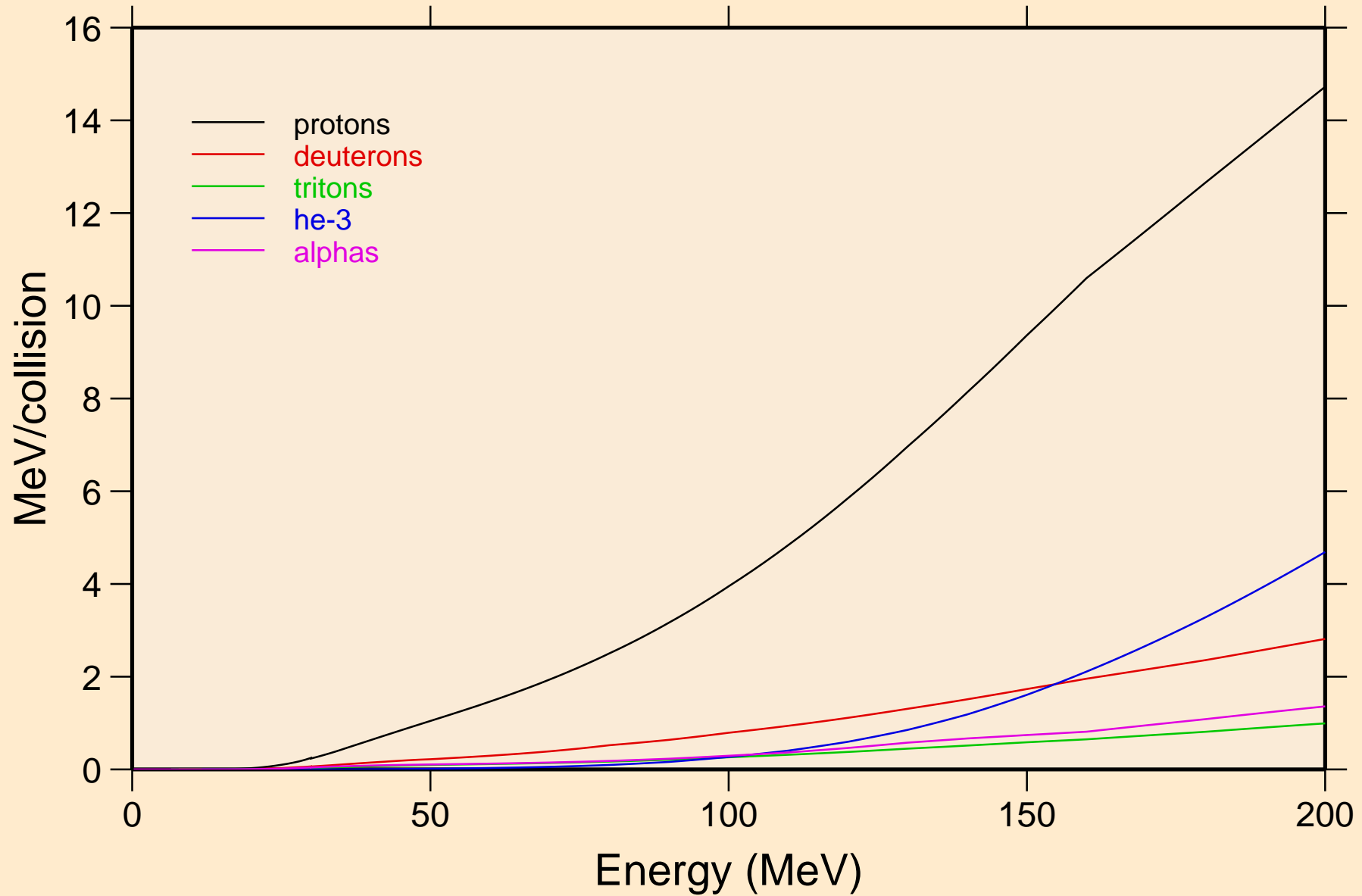
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



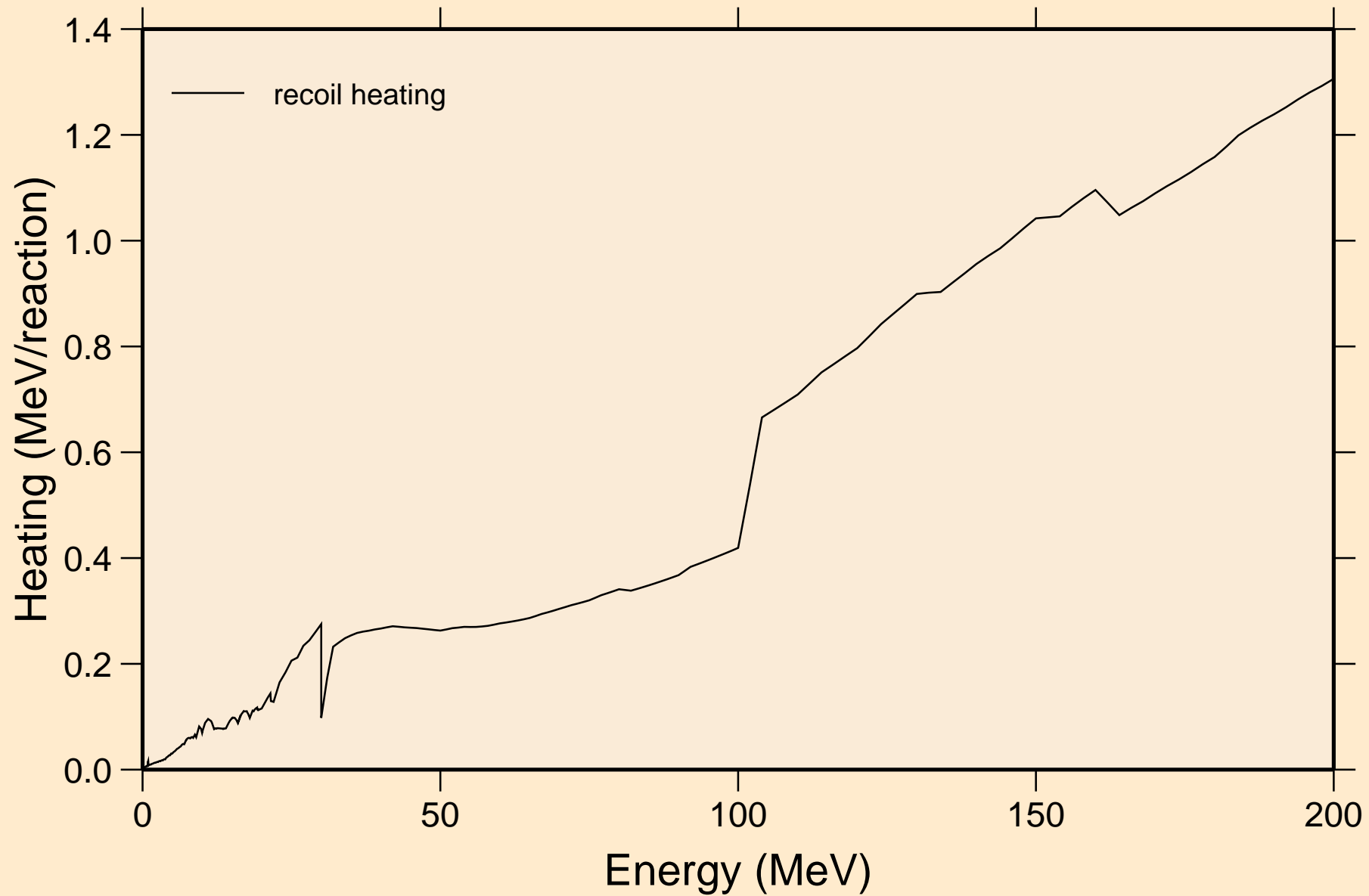
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



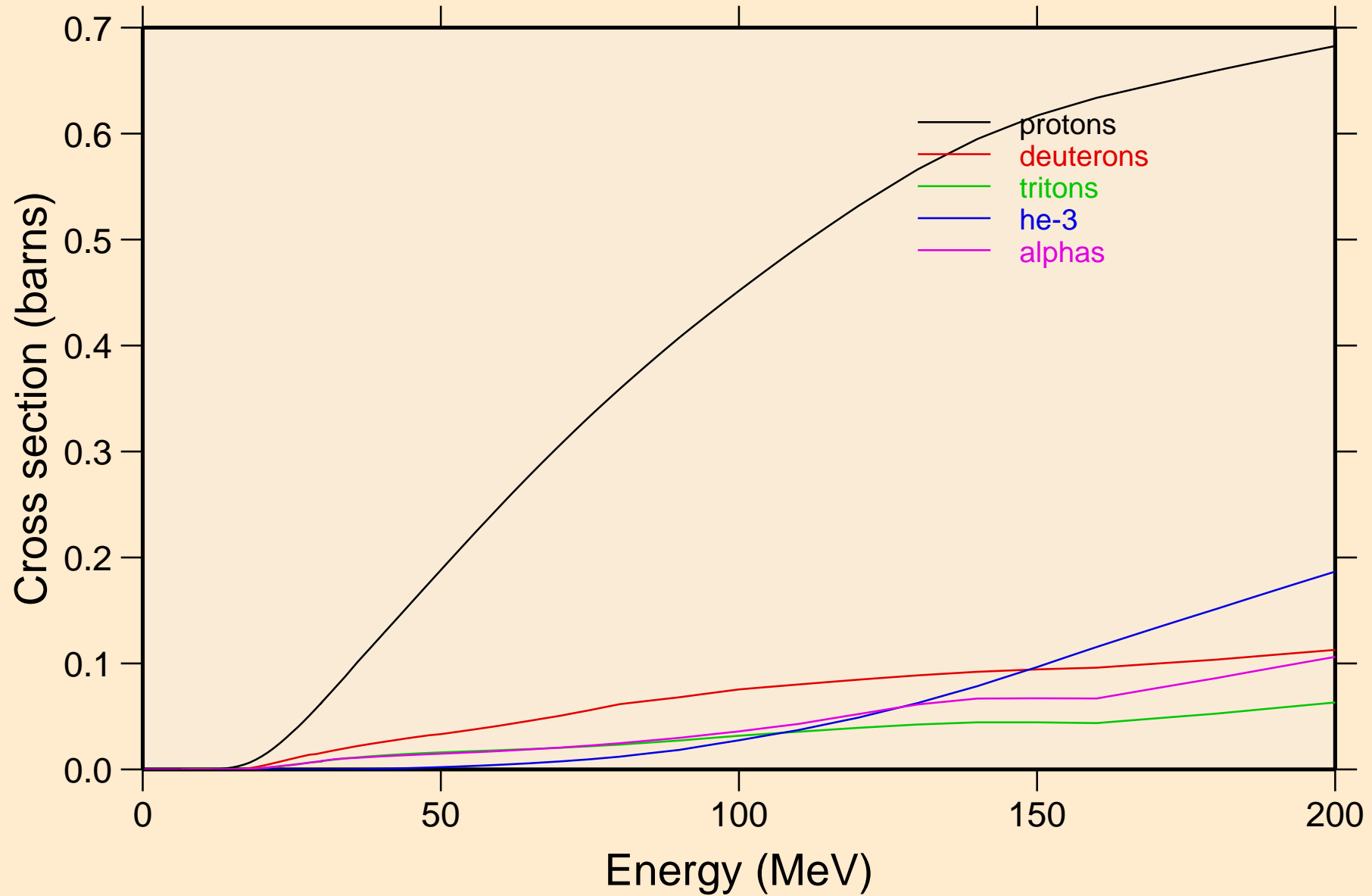
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions



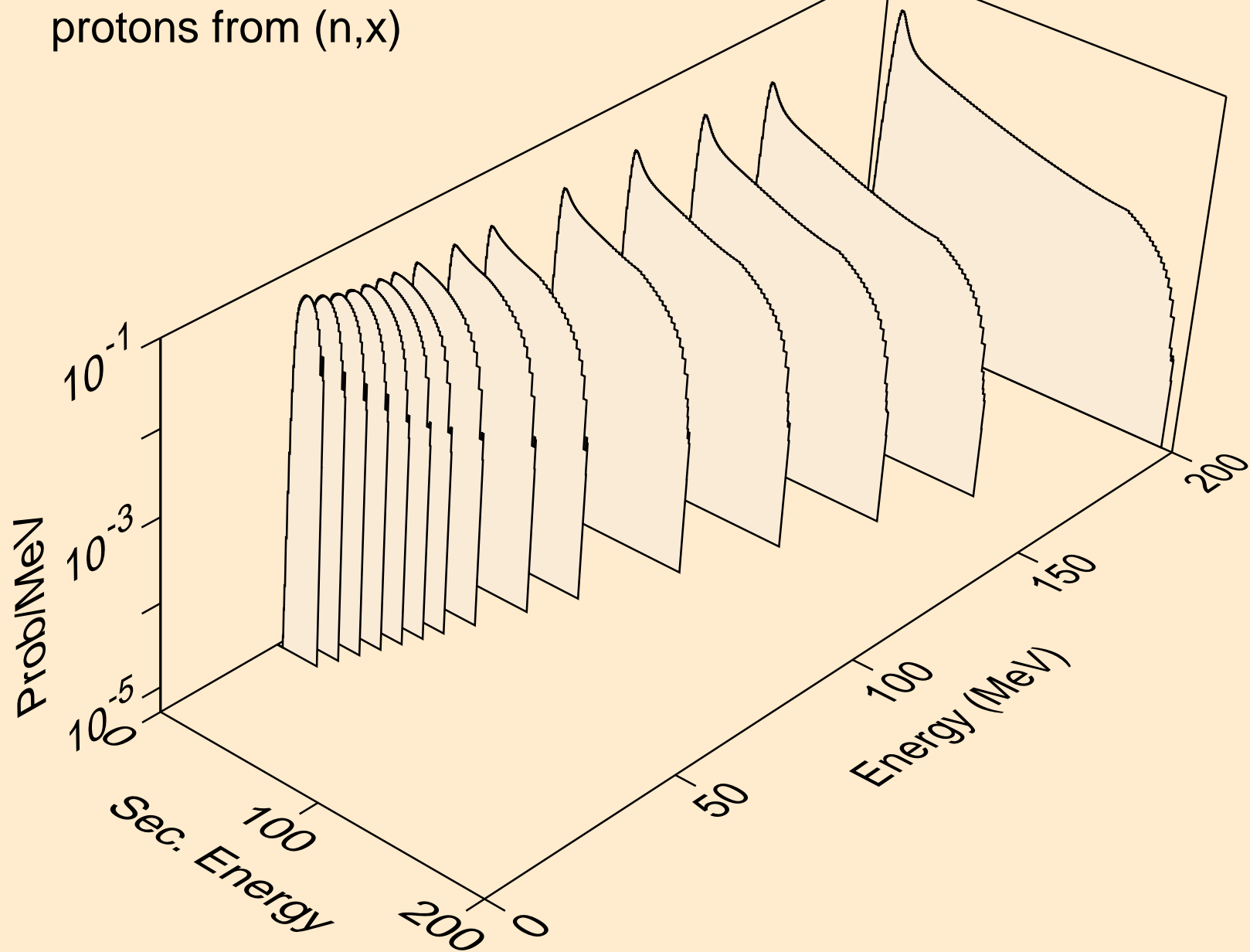
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Recoil Heating



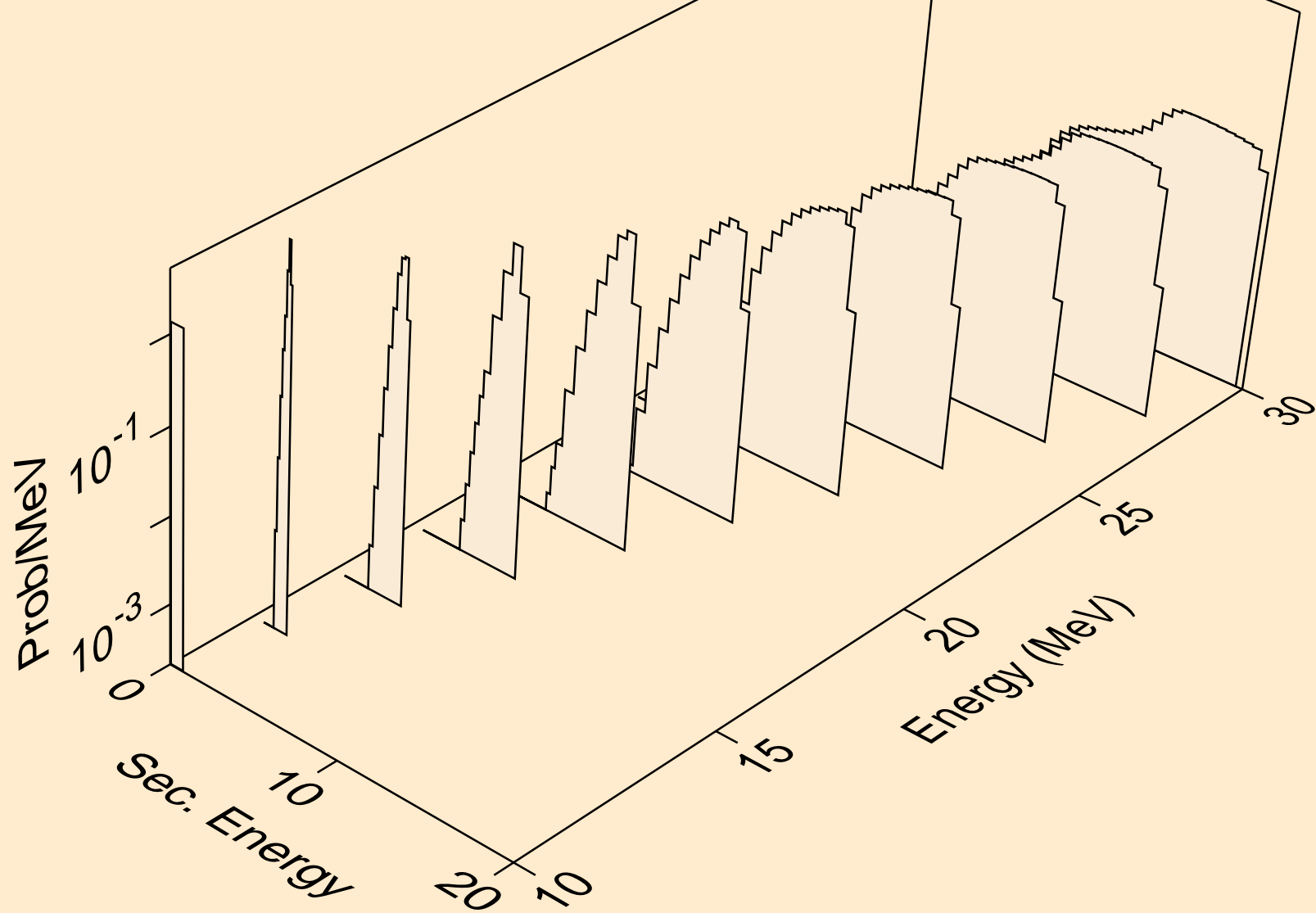
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



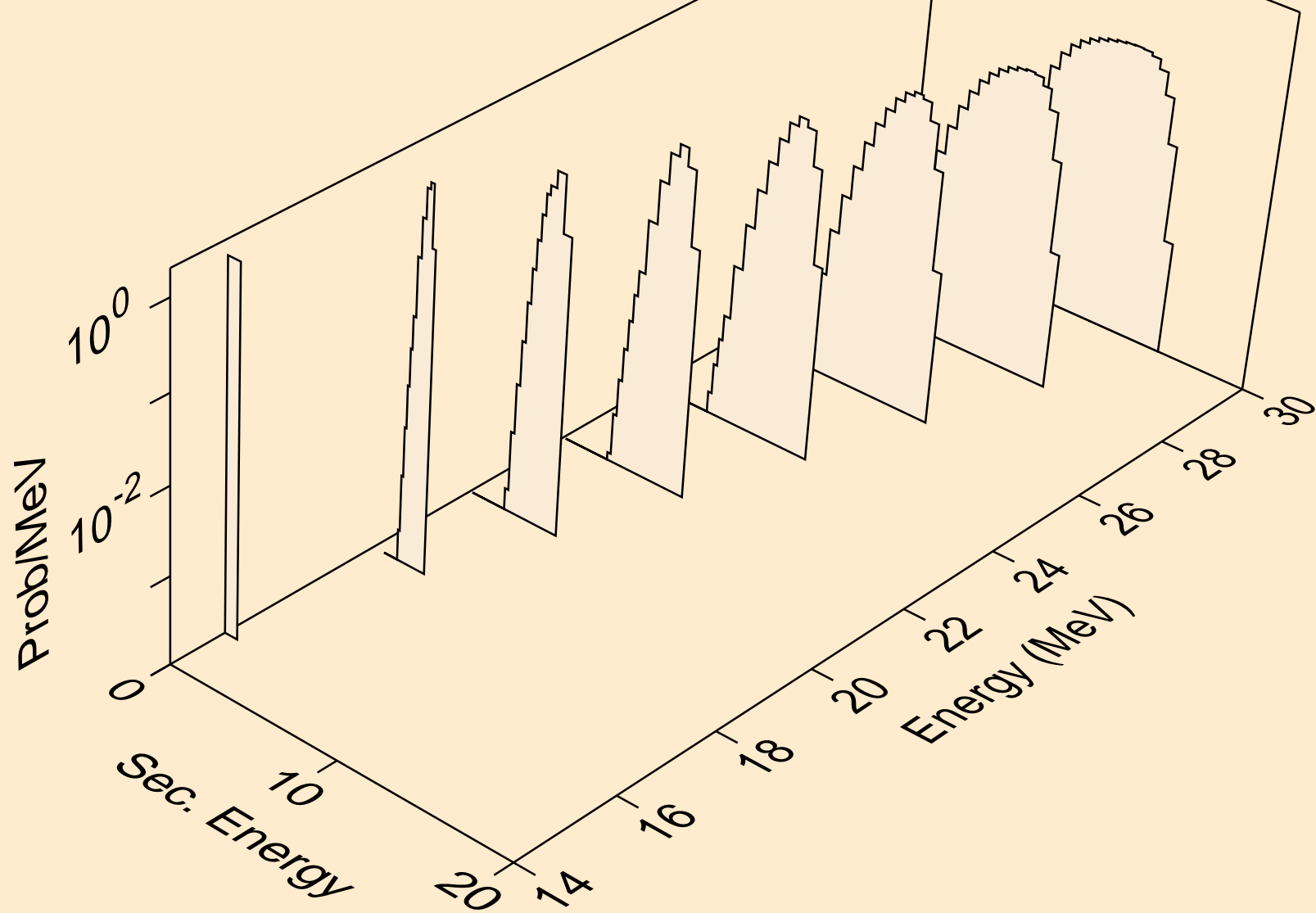
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



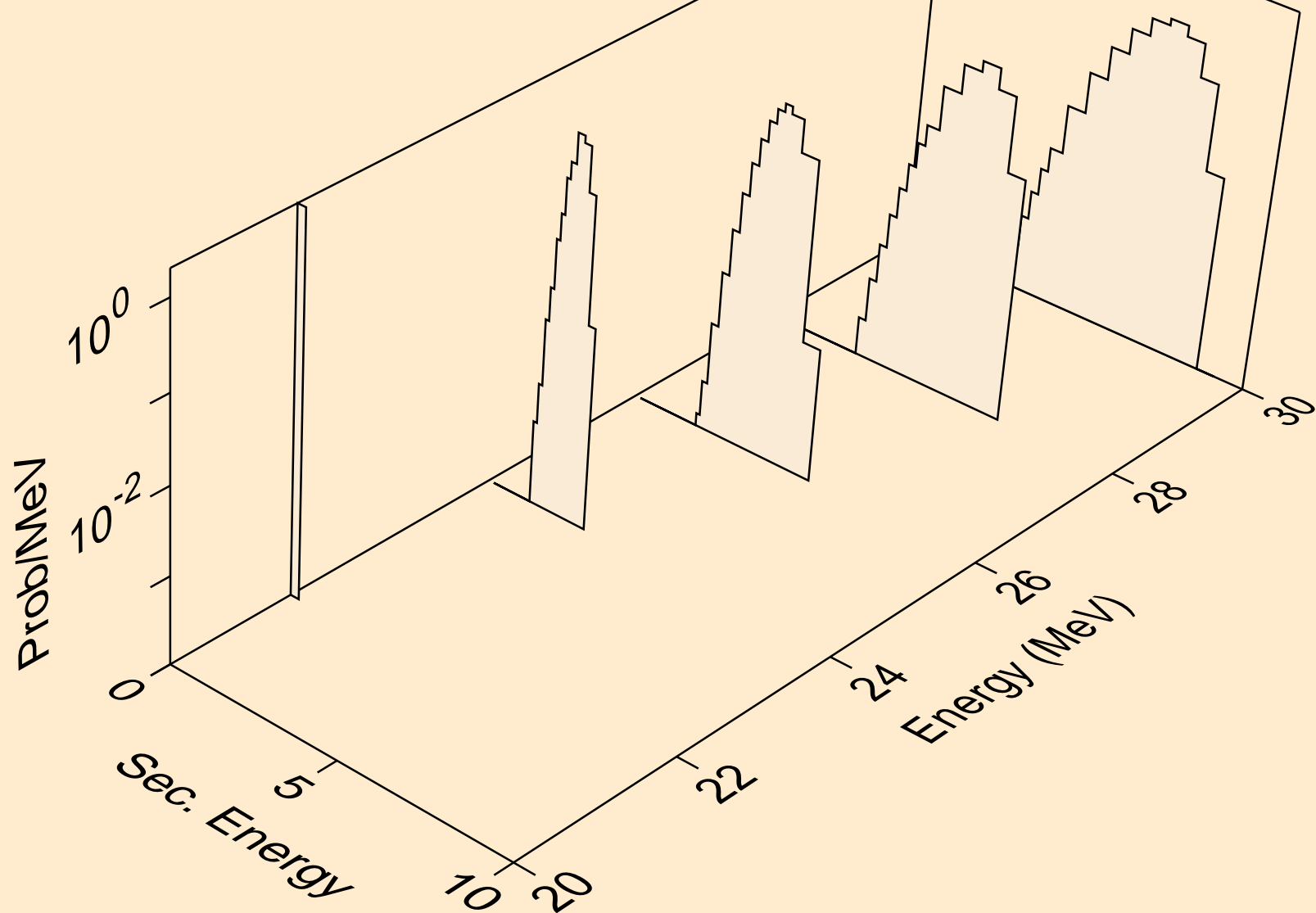
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protons from (n,n\*)p



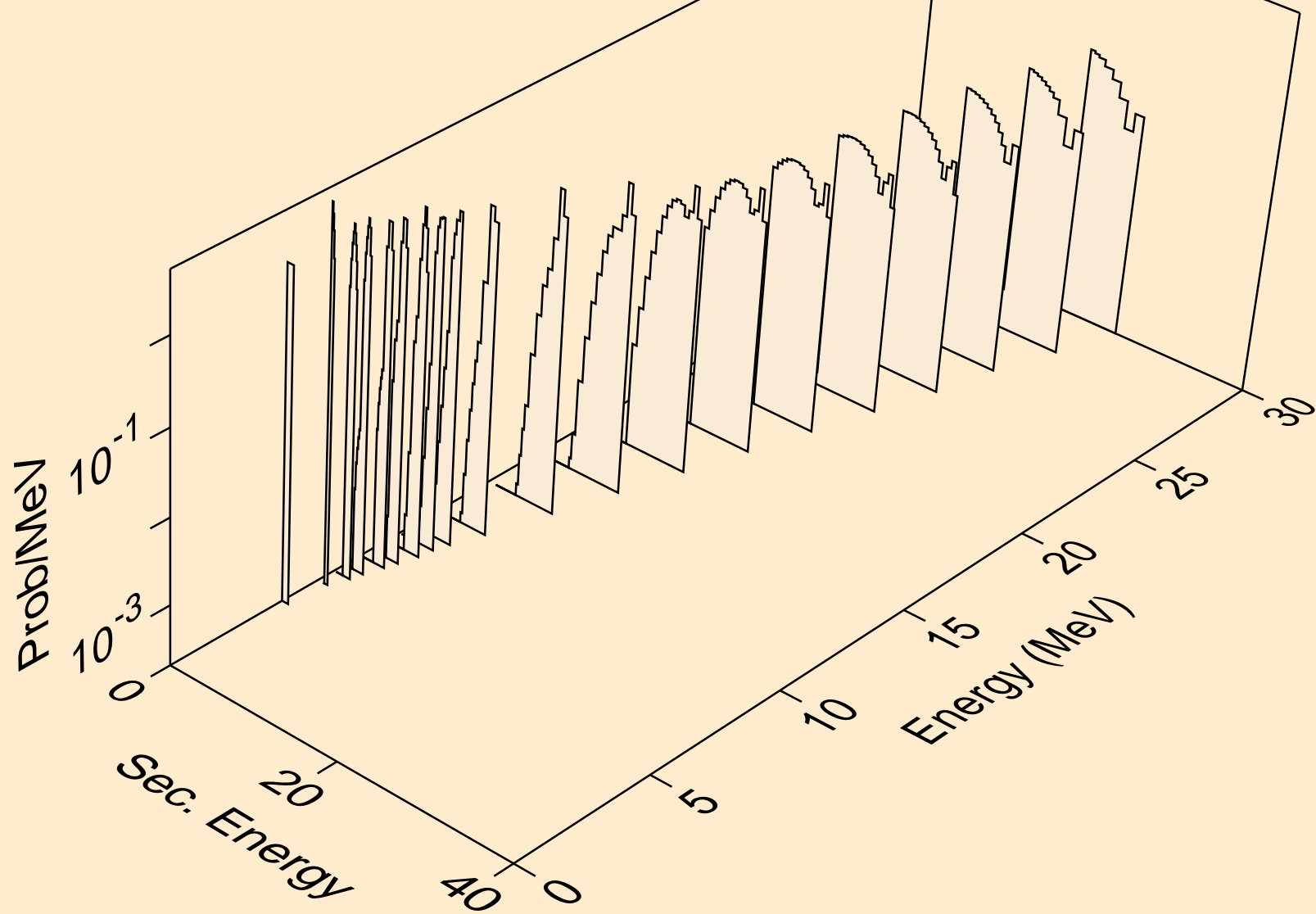
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protons from (n,2np)



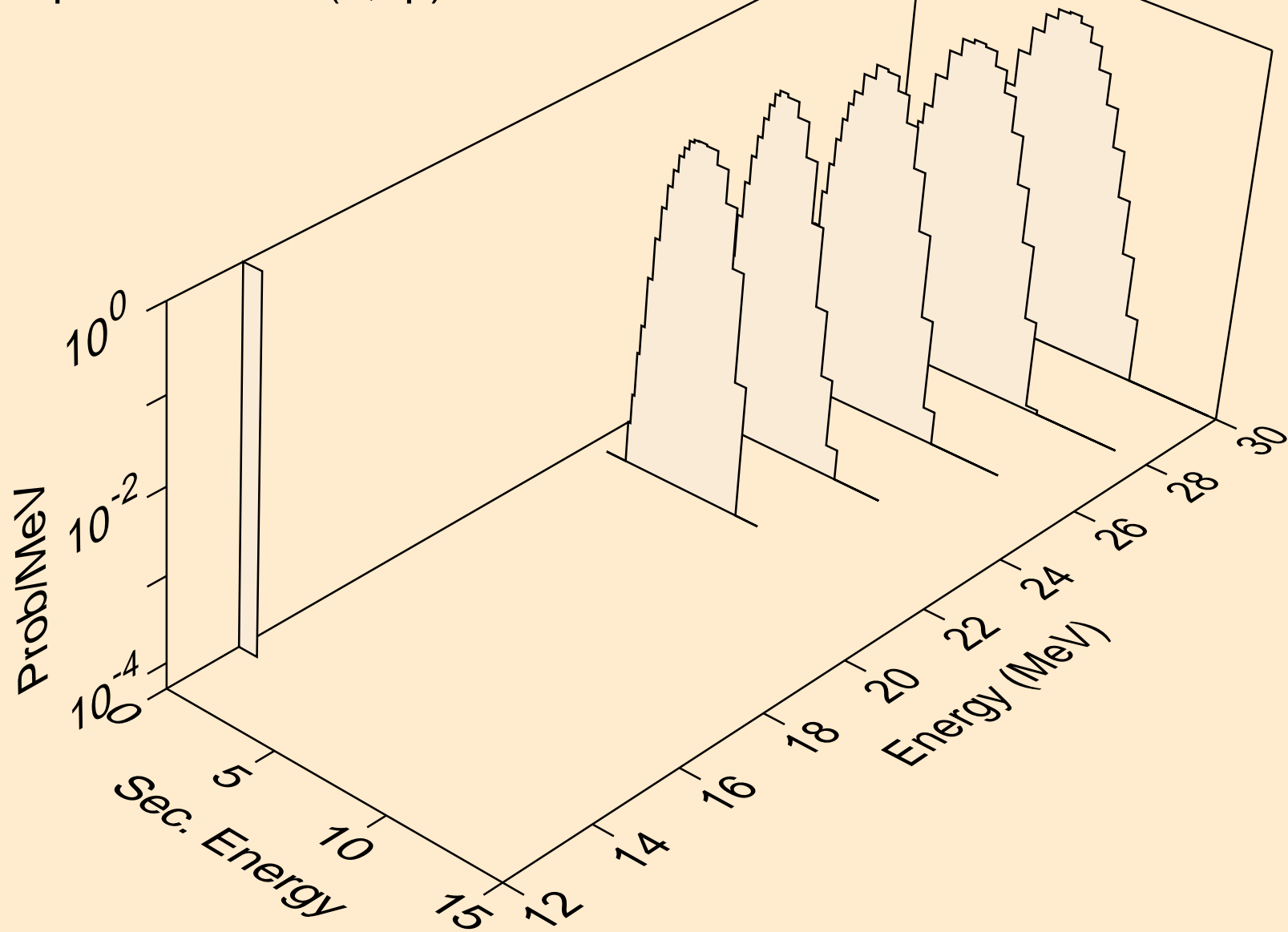
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protons from (n,3np)



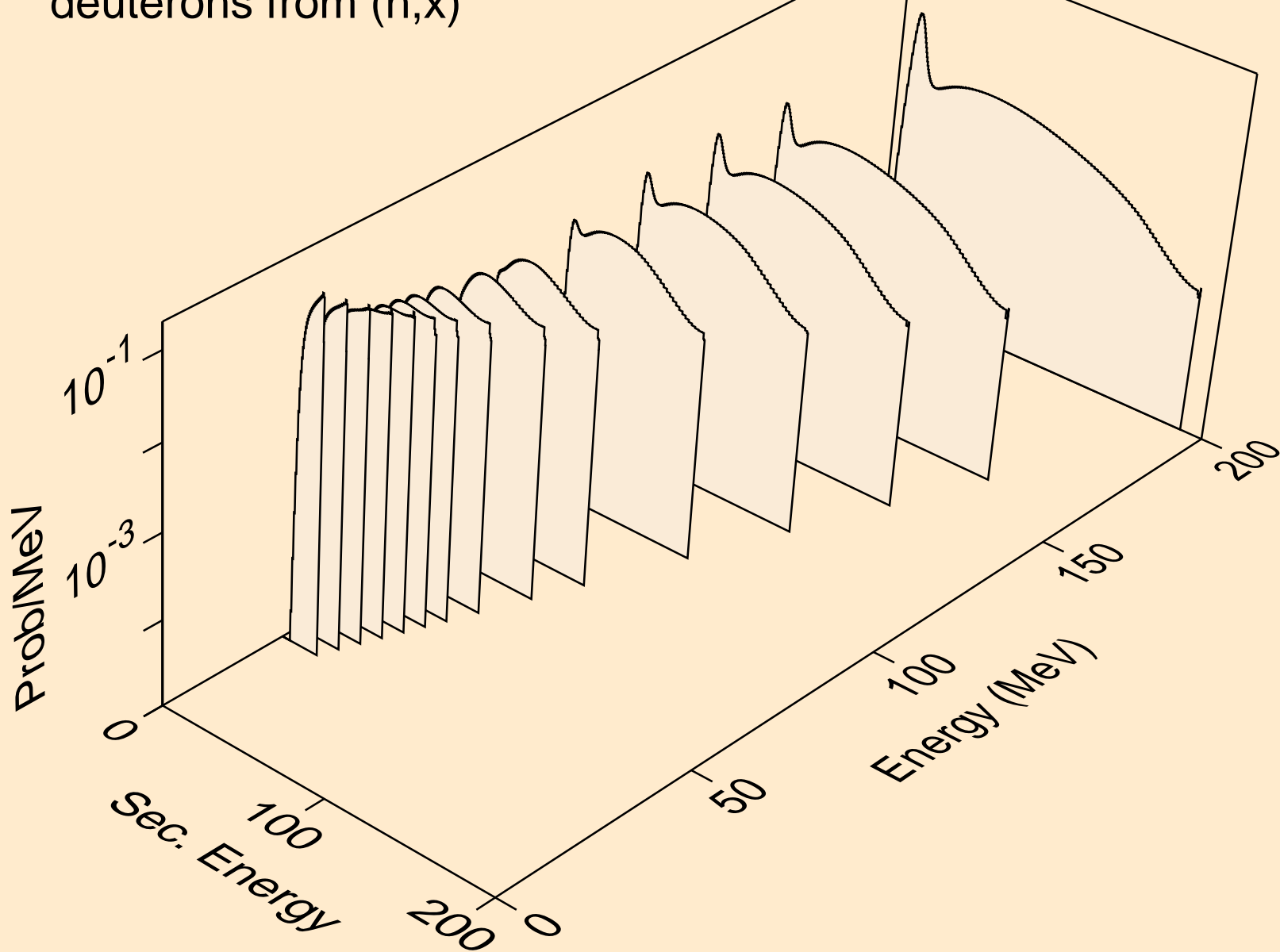
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protons from (n,p)



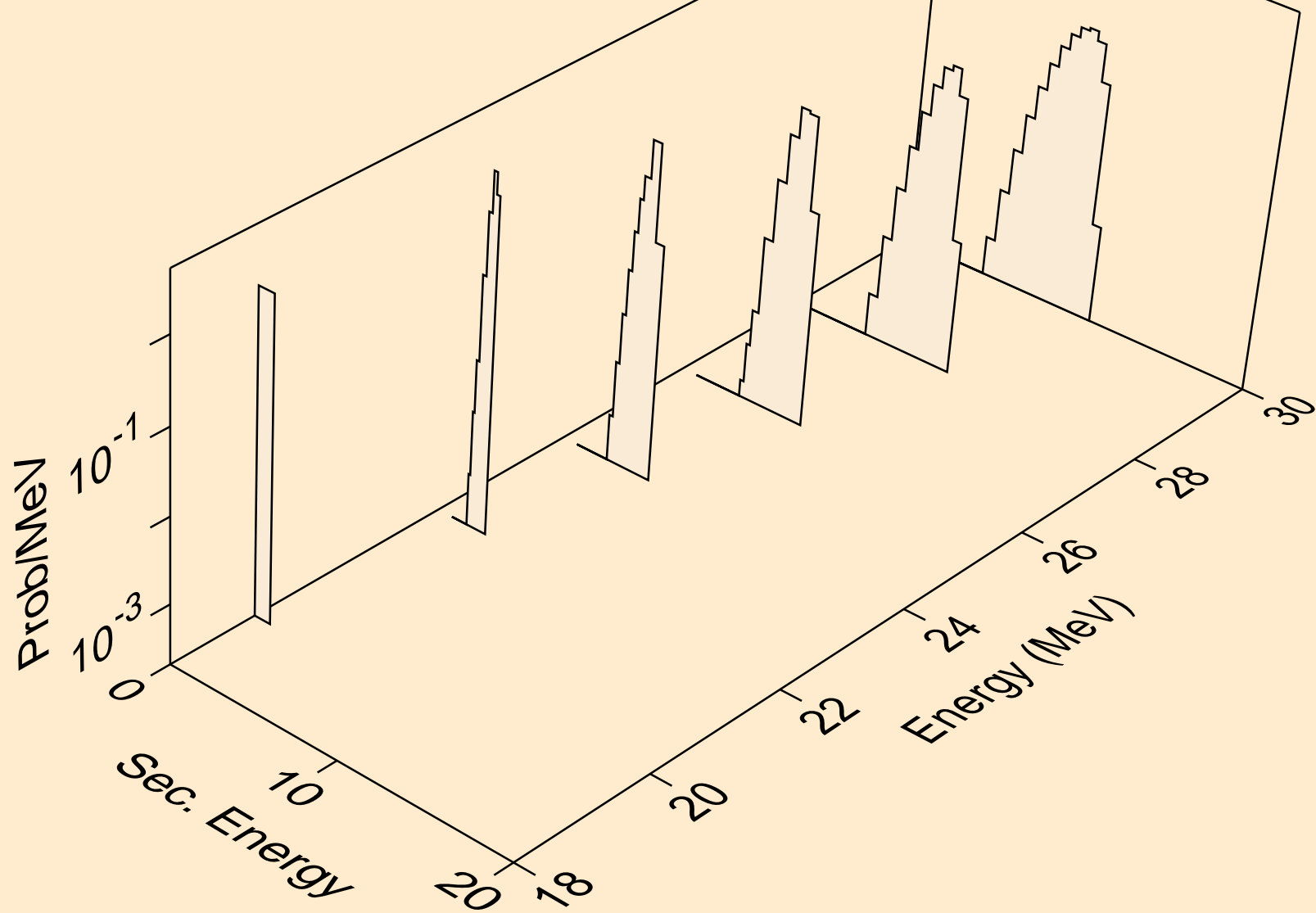
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protons from (n,2p)



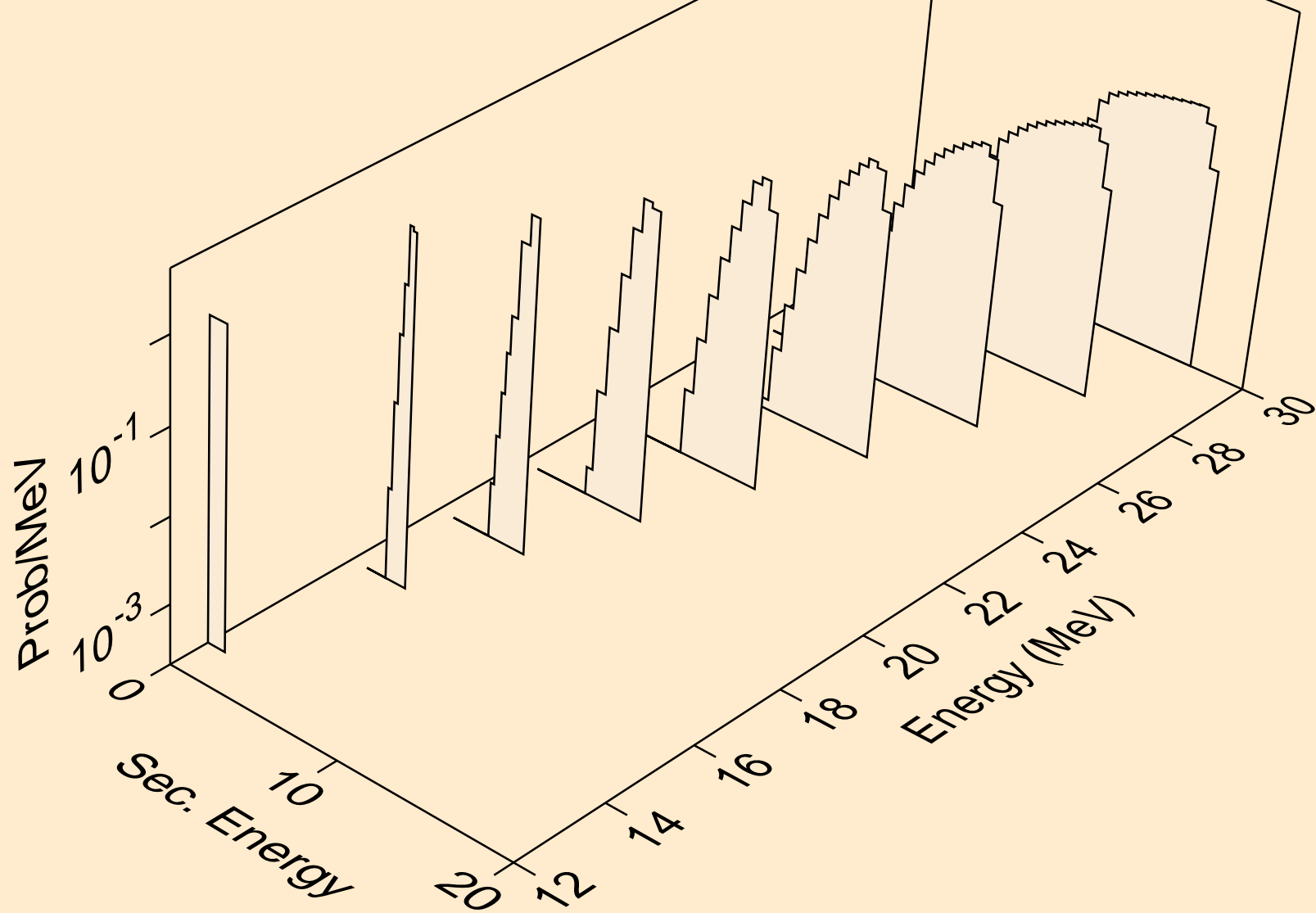
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deuterons from (n,x)



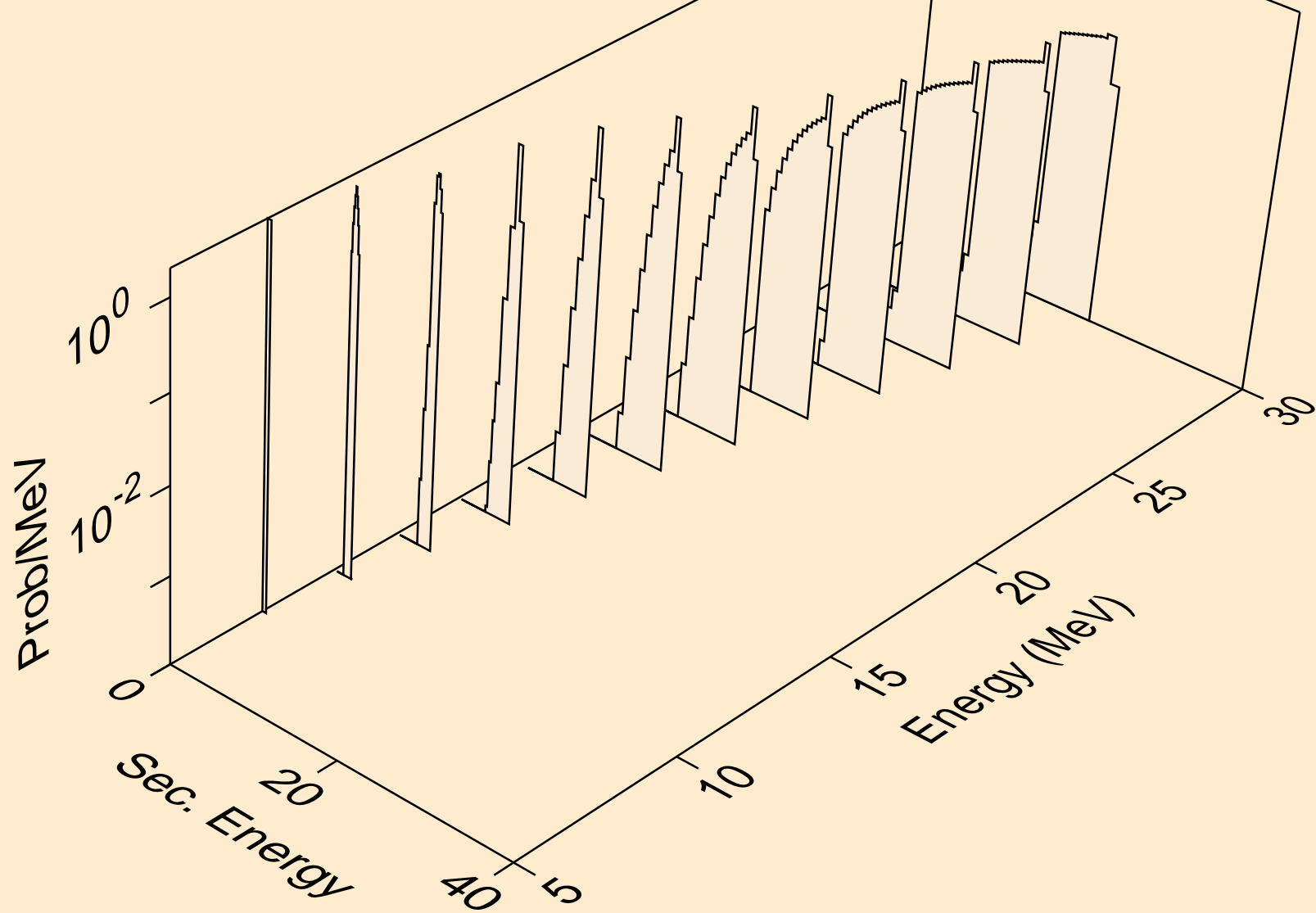
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deuterons from (n,2nd)



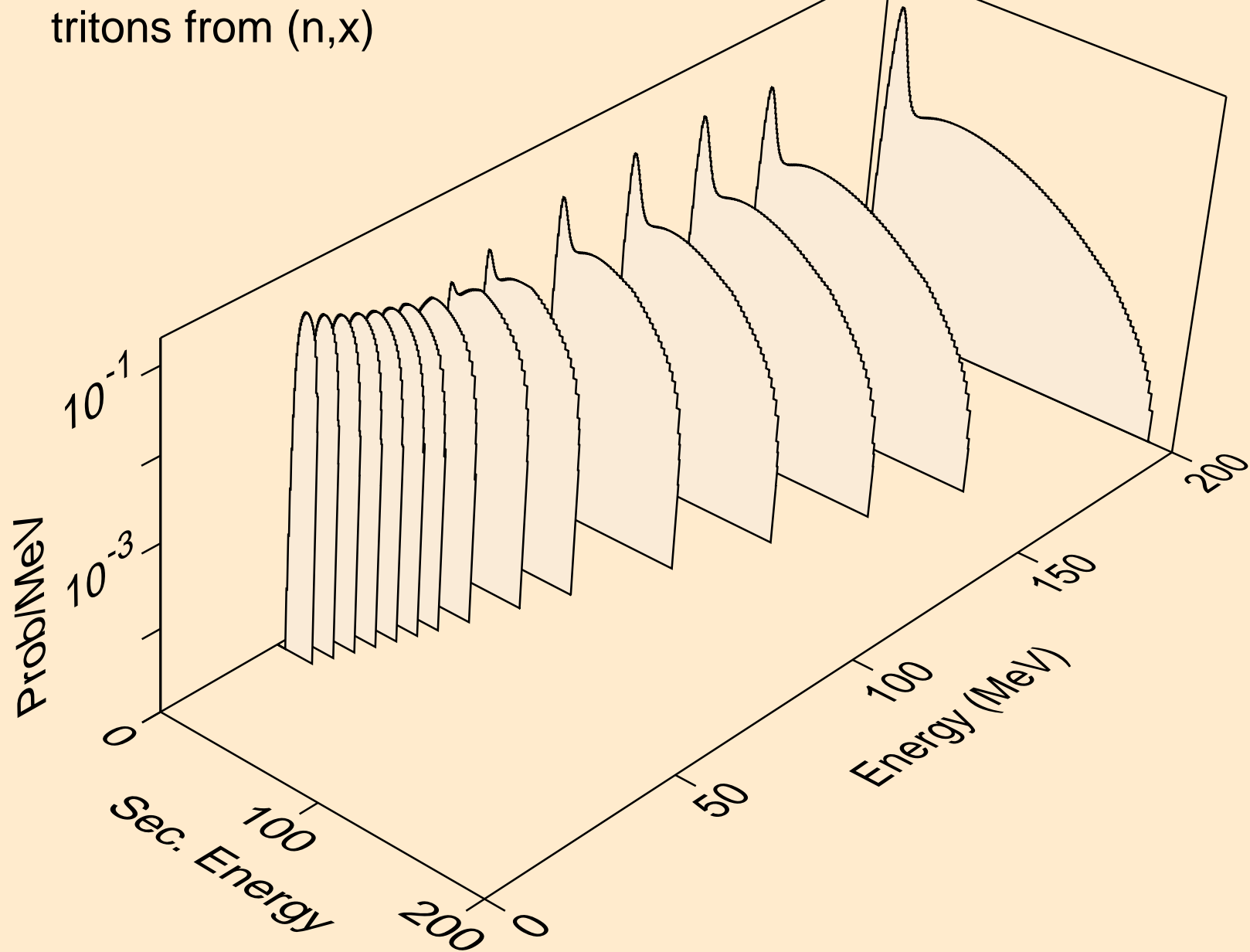
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deuterons from (n,n\*)d



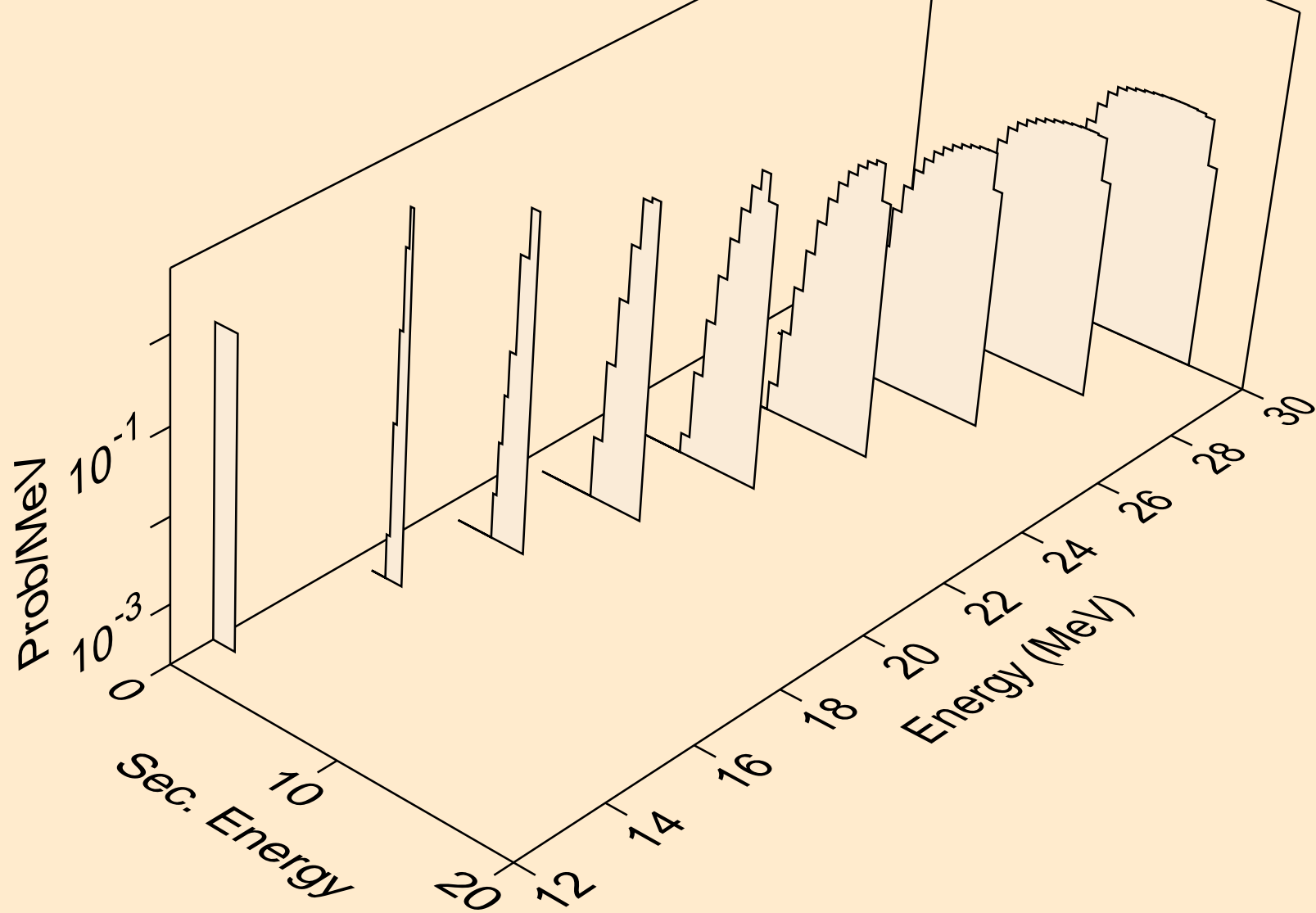
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deuterons from (n,d)



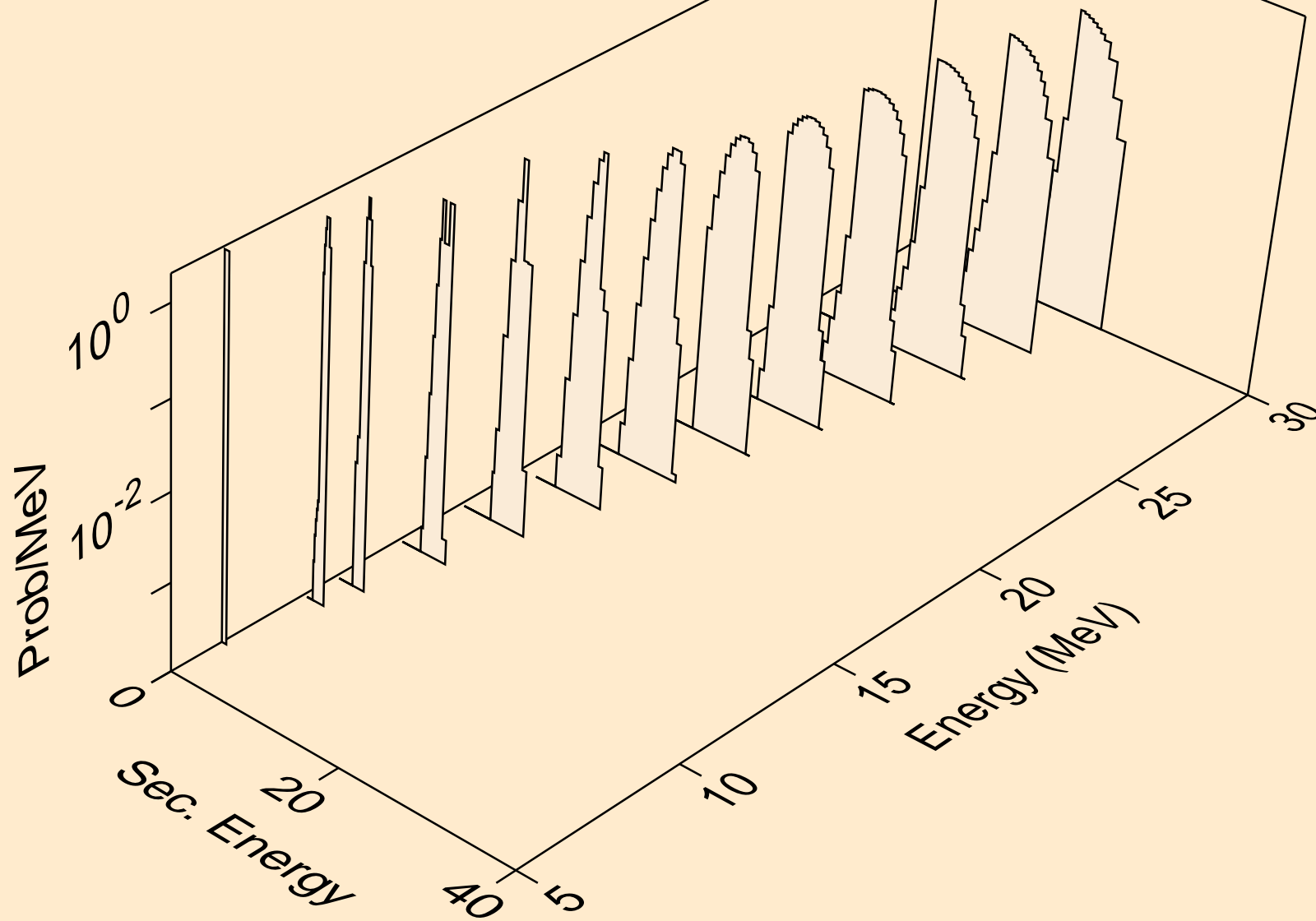
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



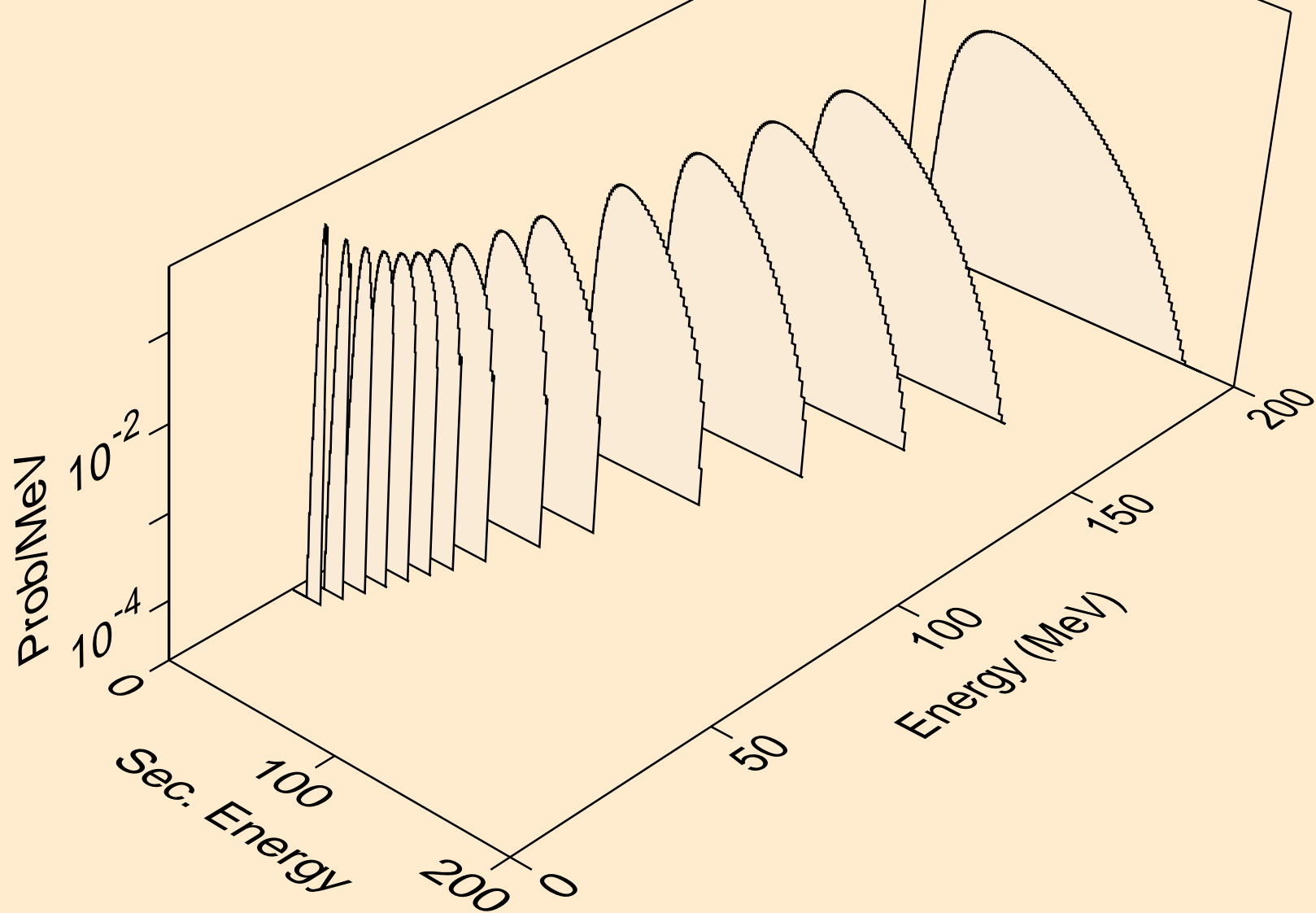
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



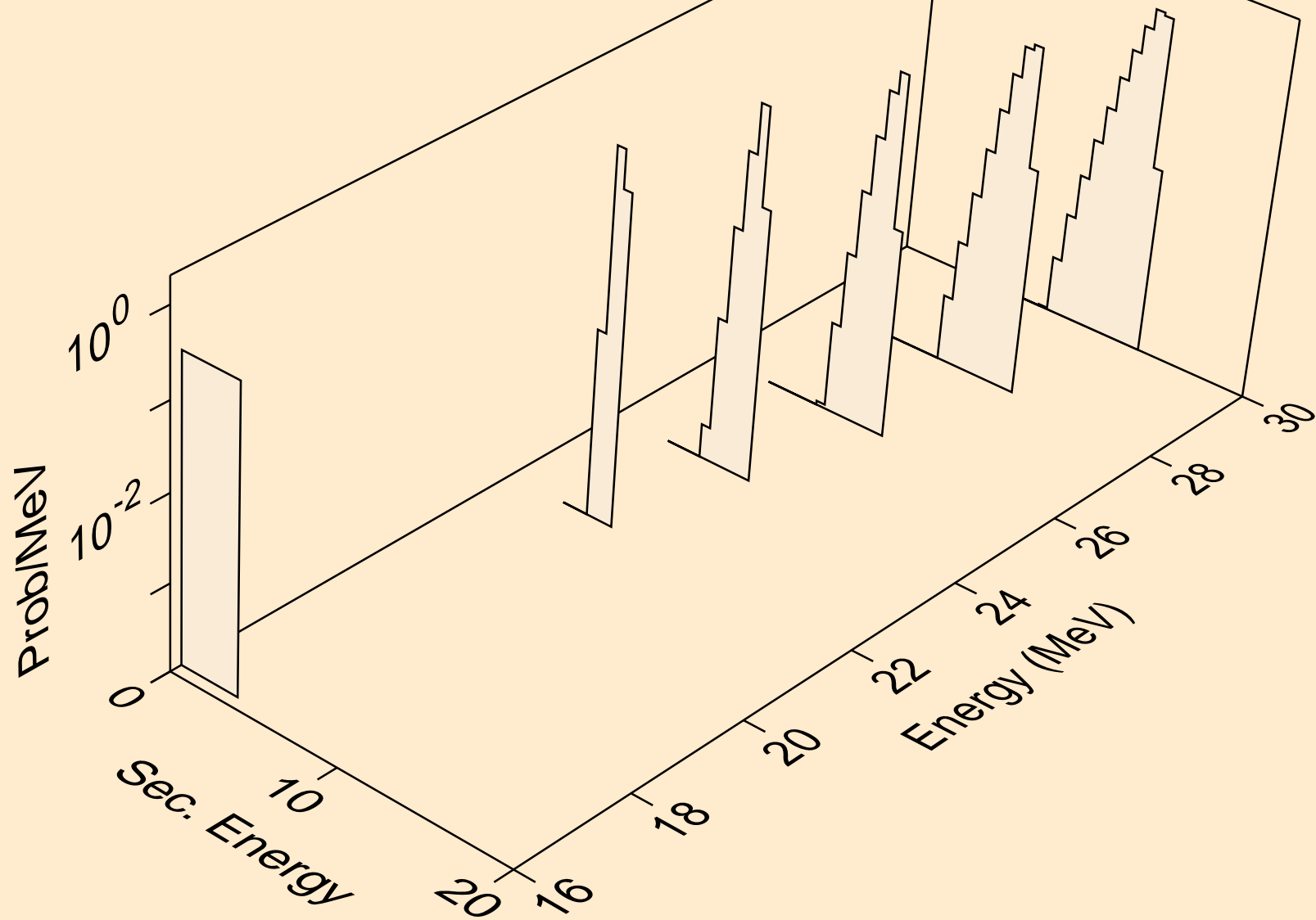
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tritons from (n,t)



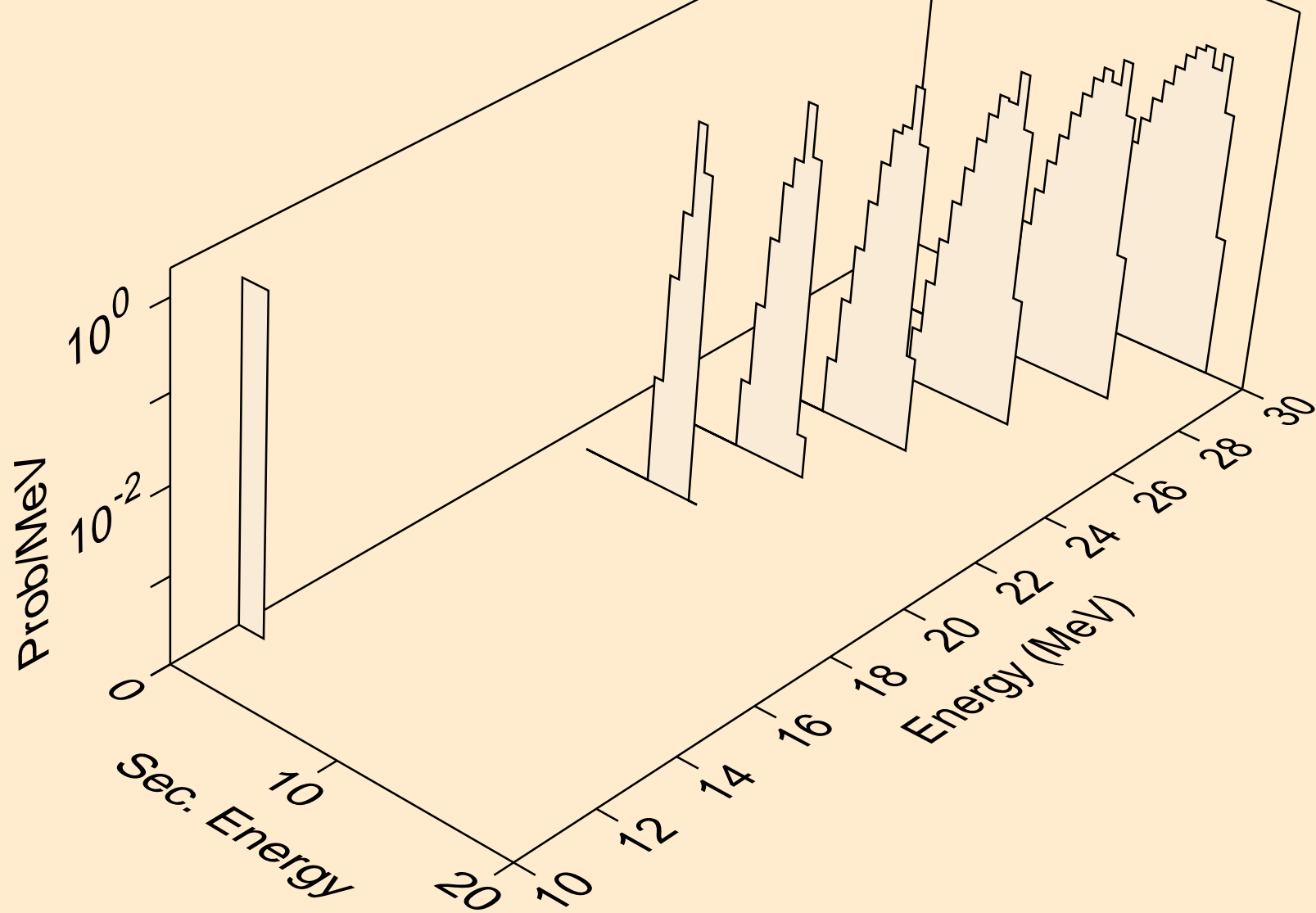
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he3s from (n,x)



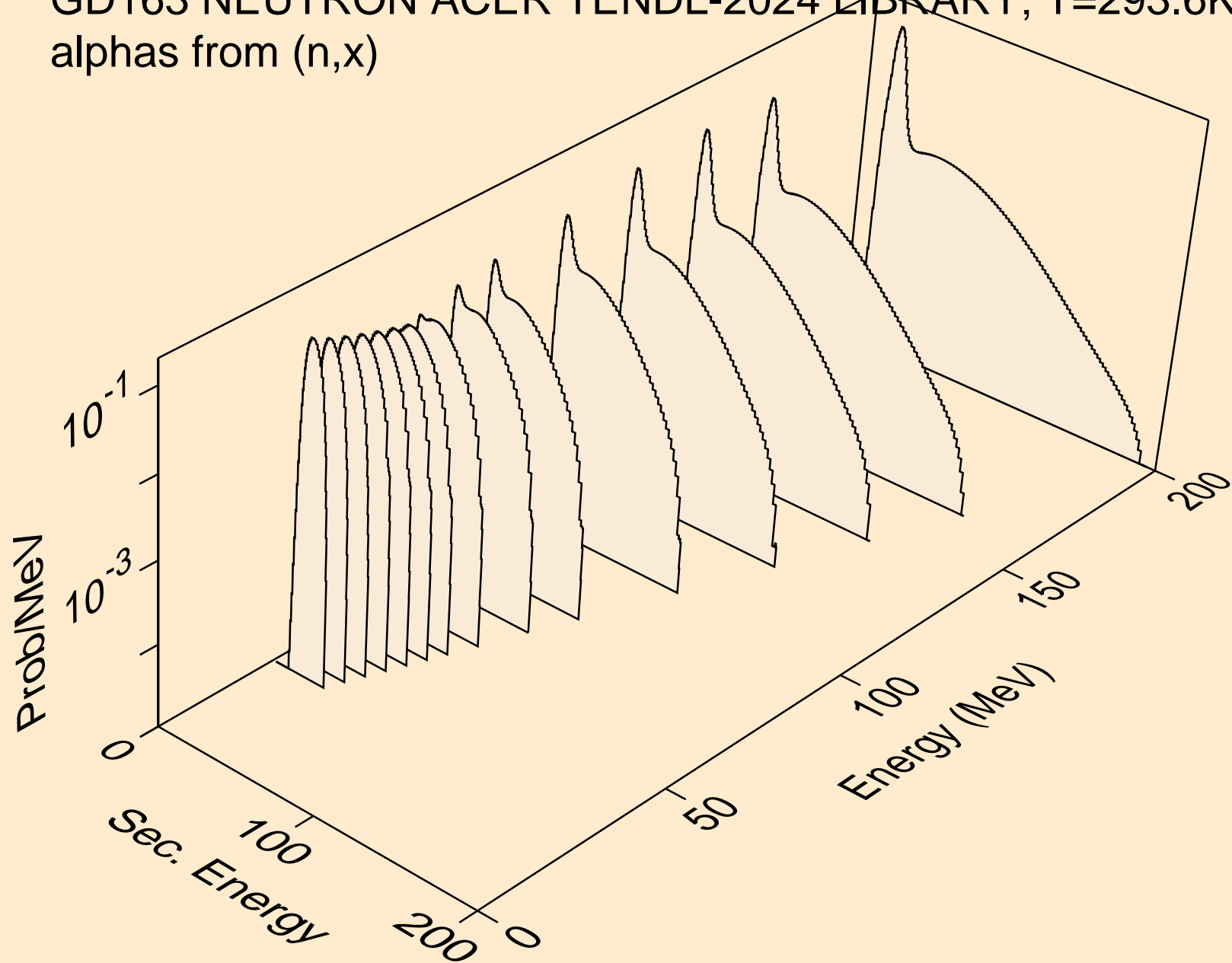
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he3s from (n,n\*)he3



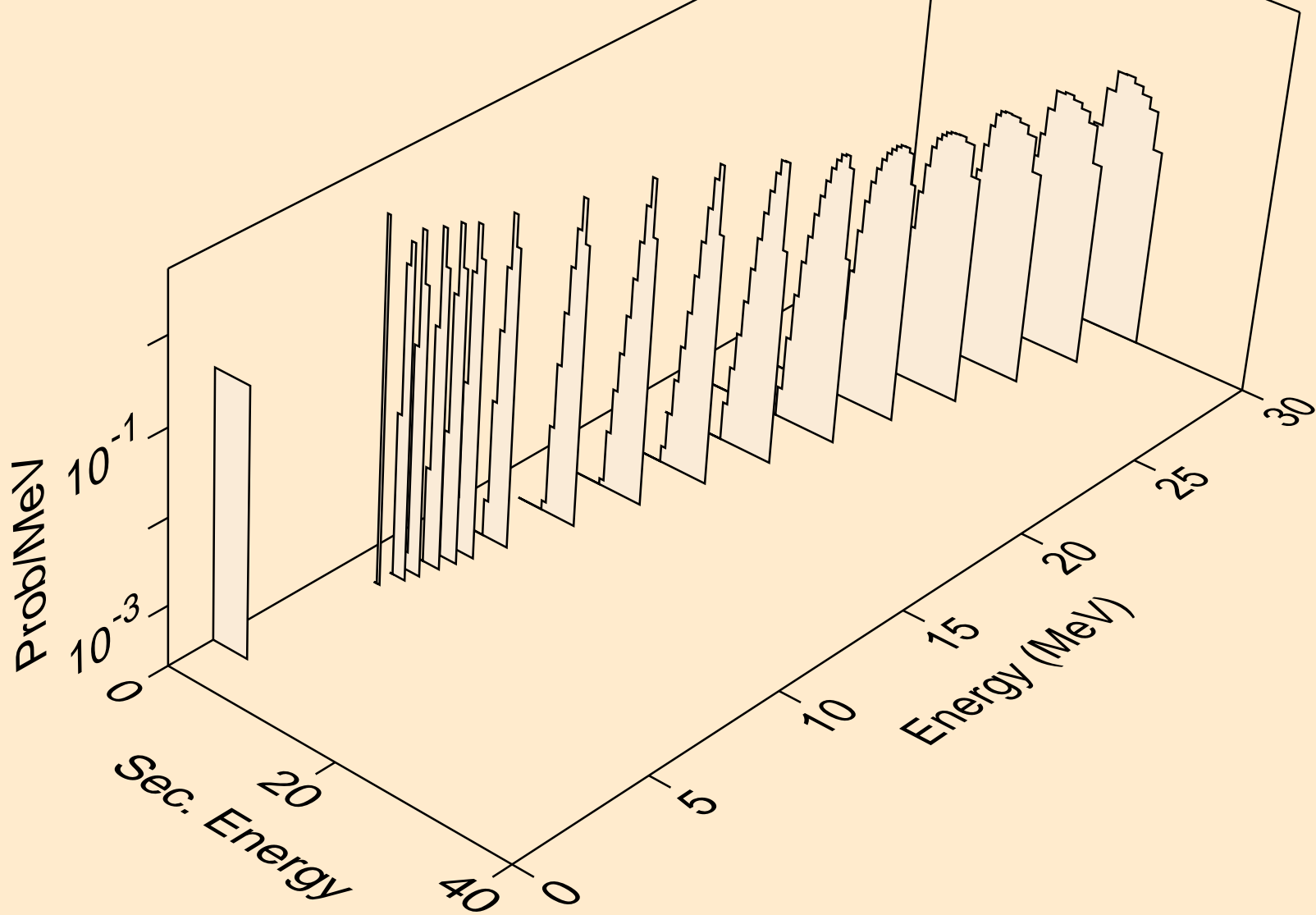
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he3s from (n,he3)



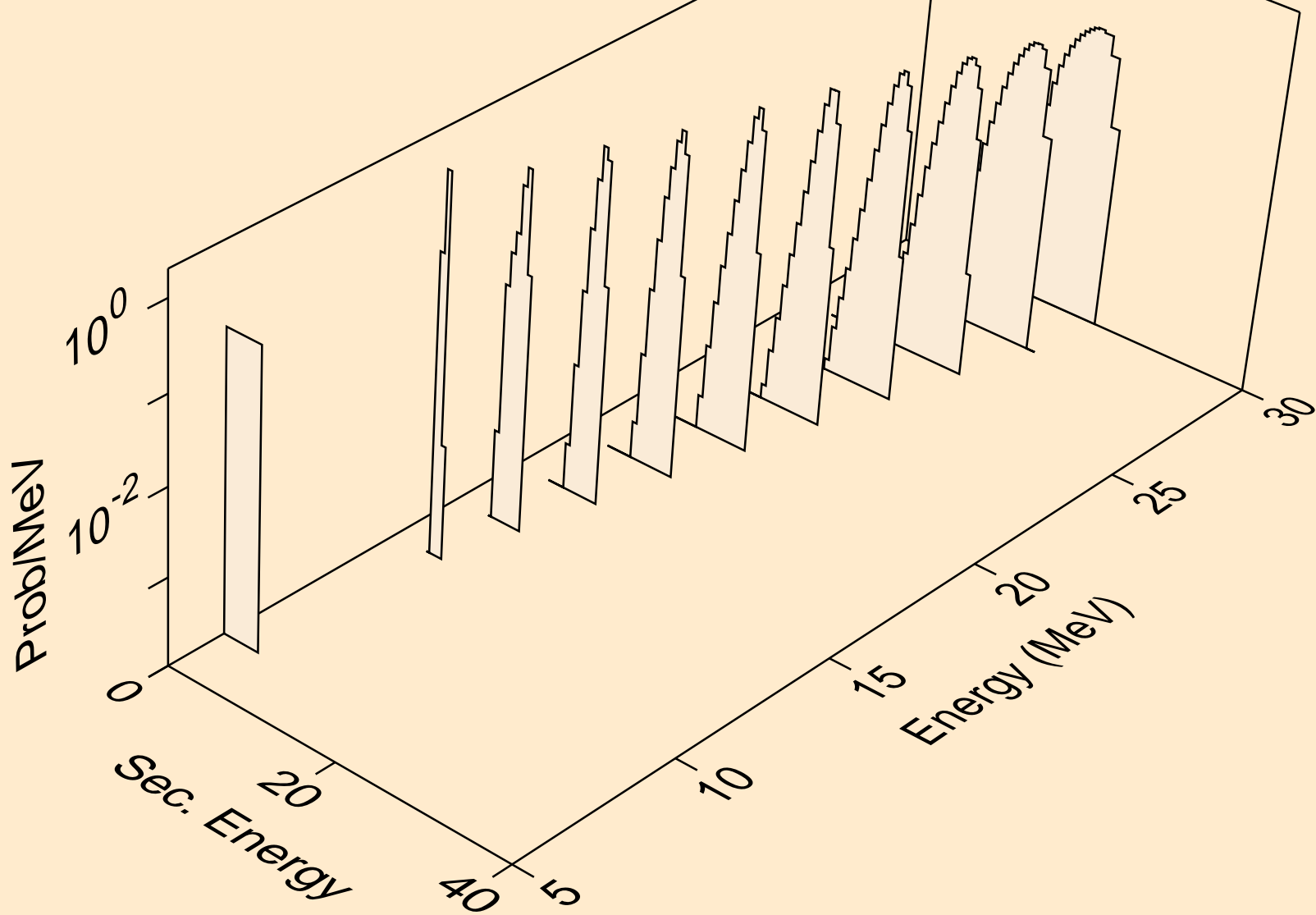
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



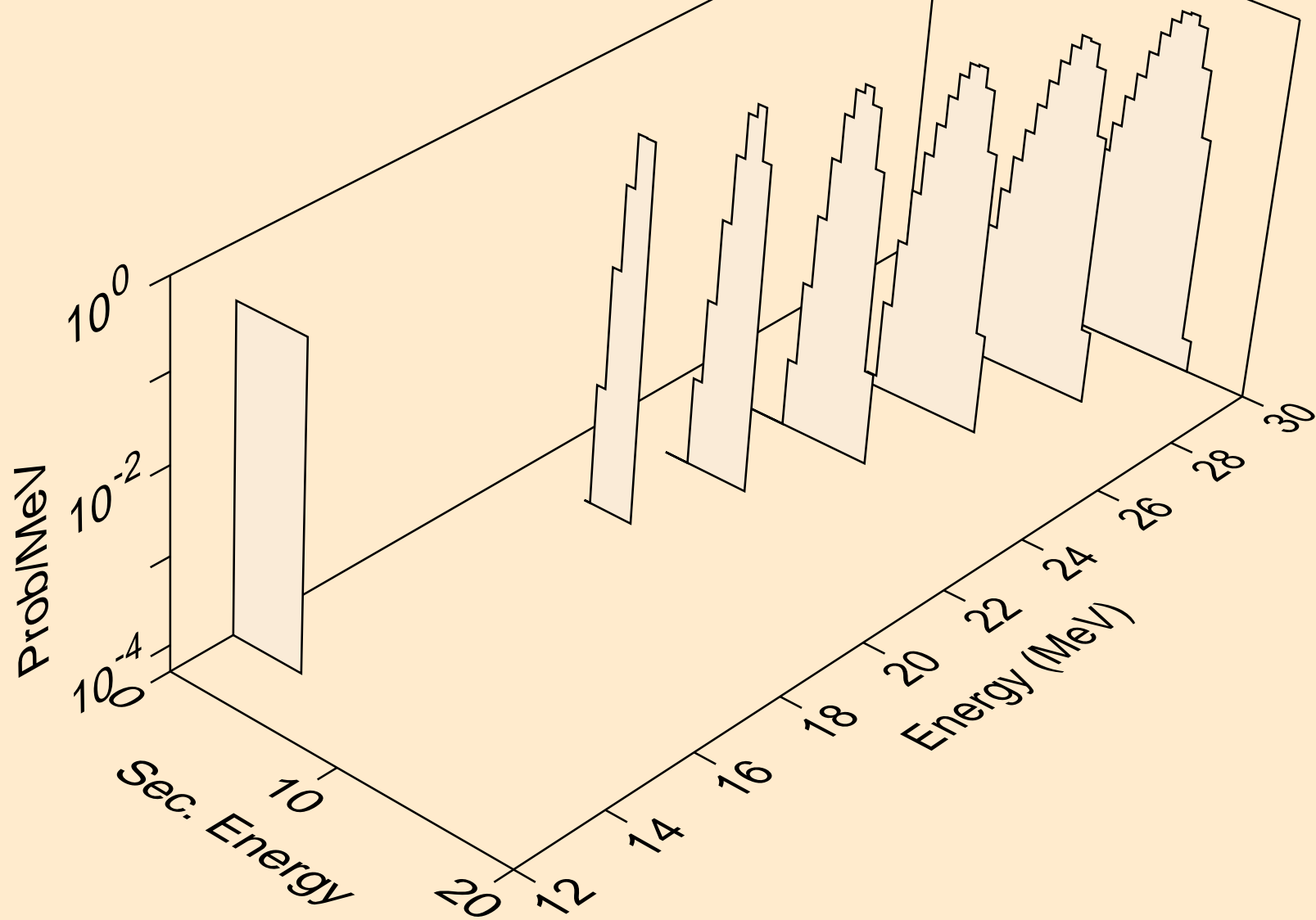
GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



GD163 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)

