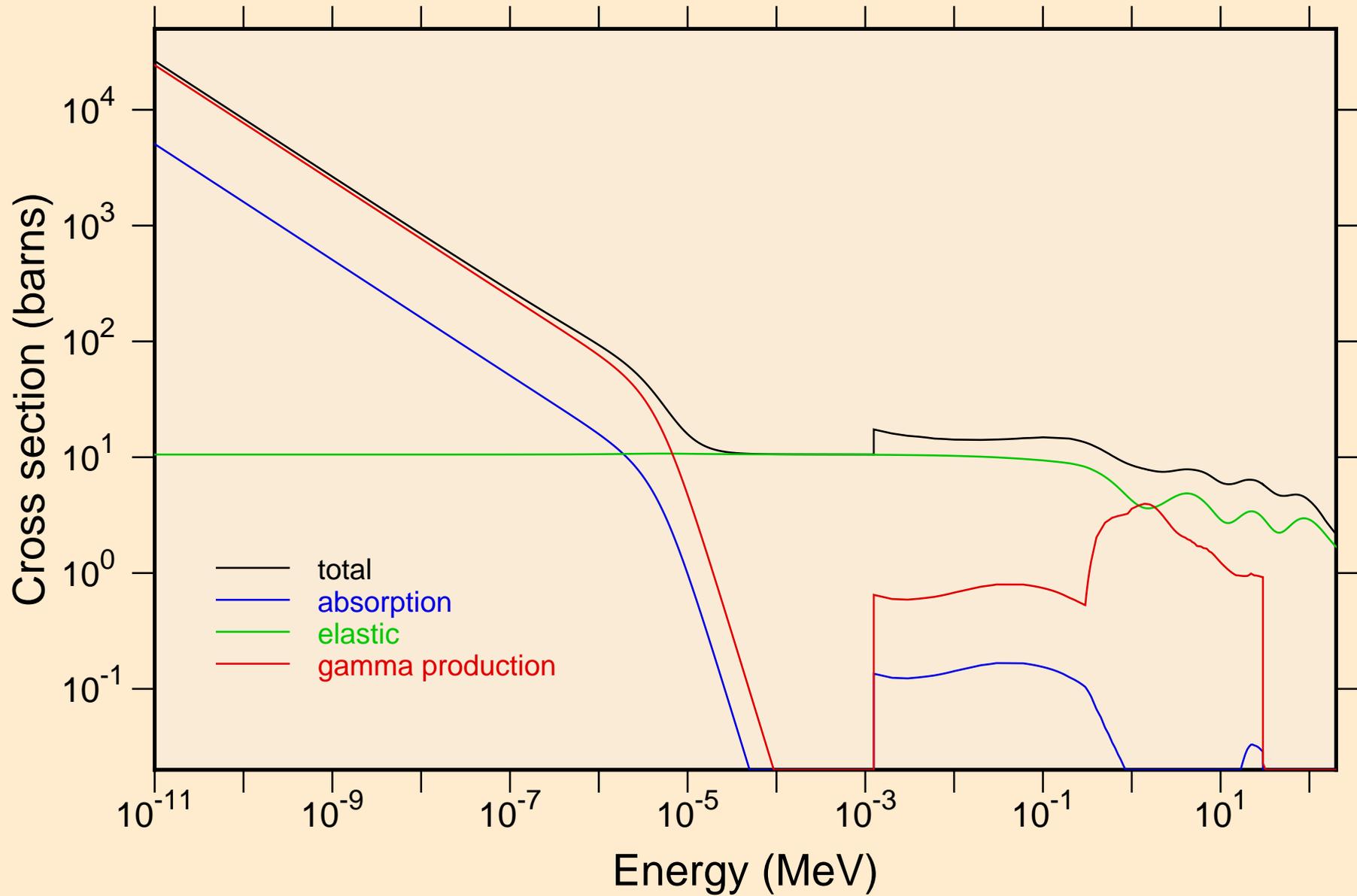


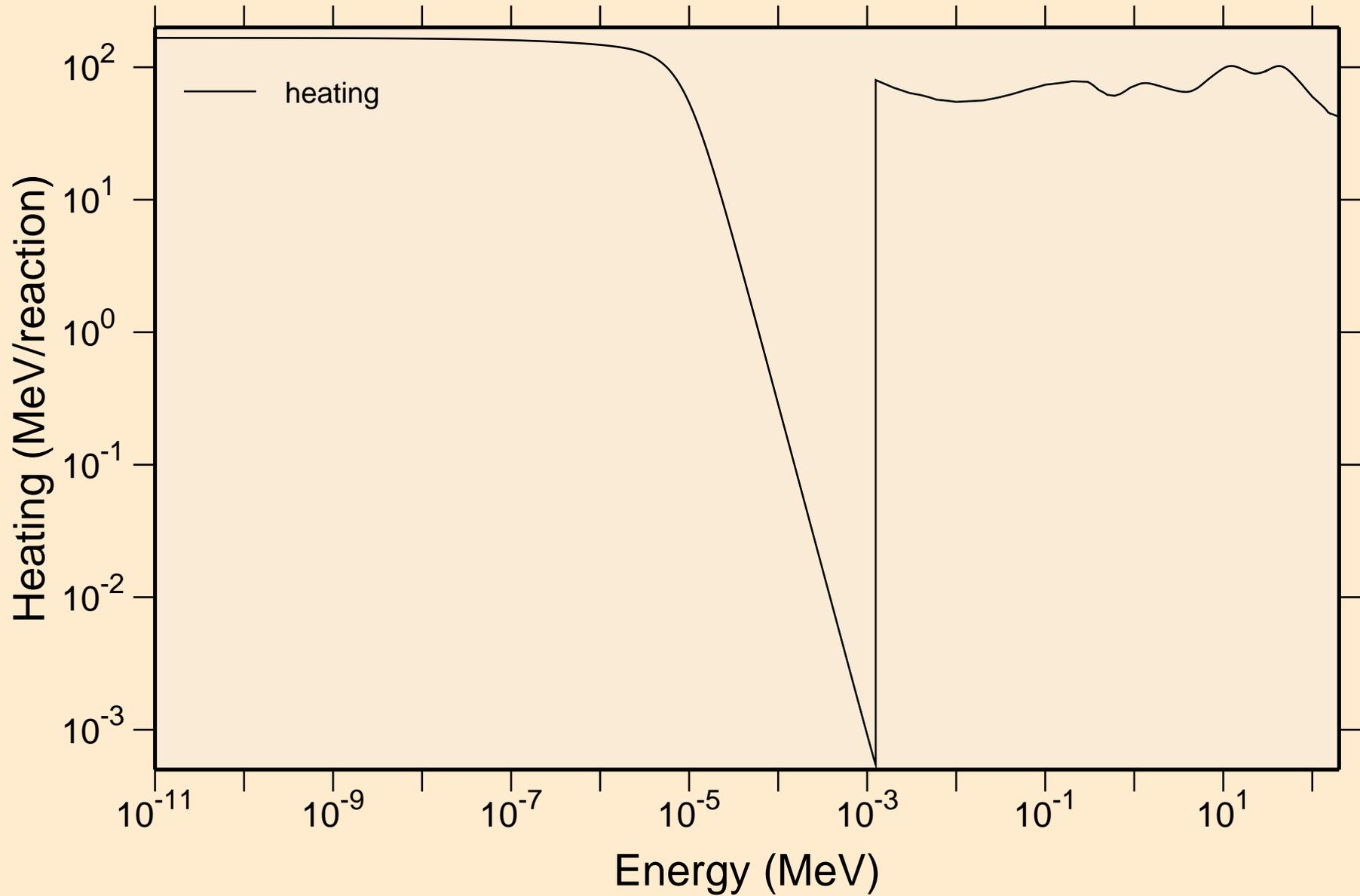
# RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

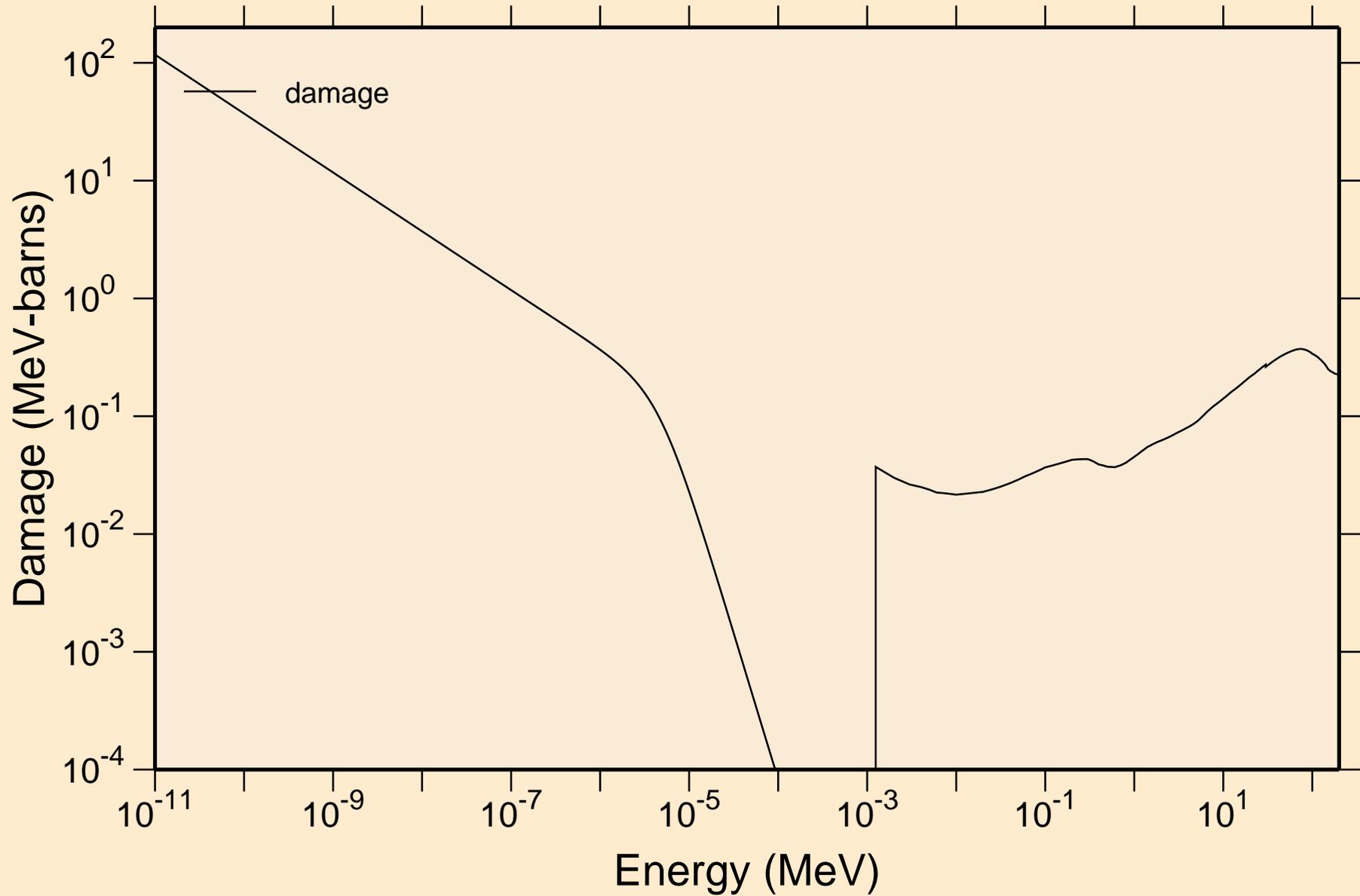


# RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

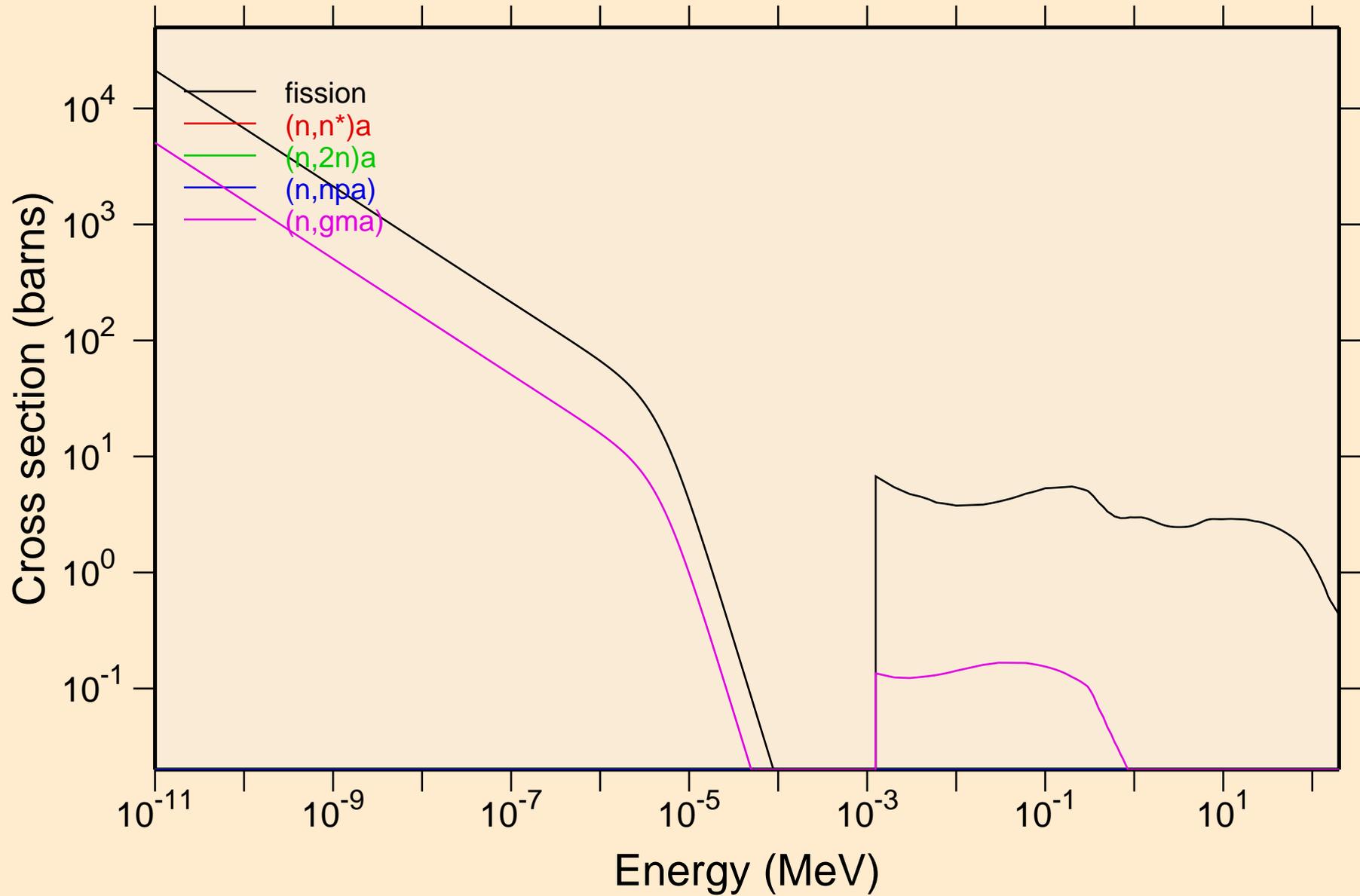


RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

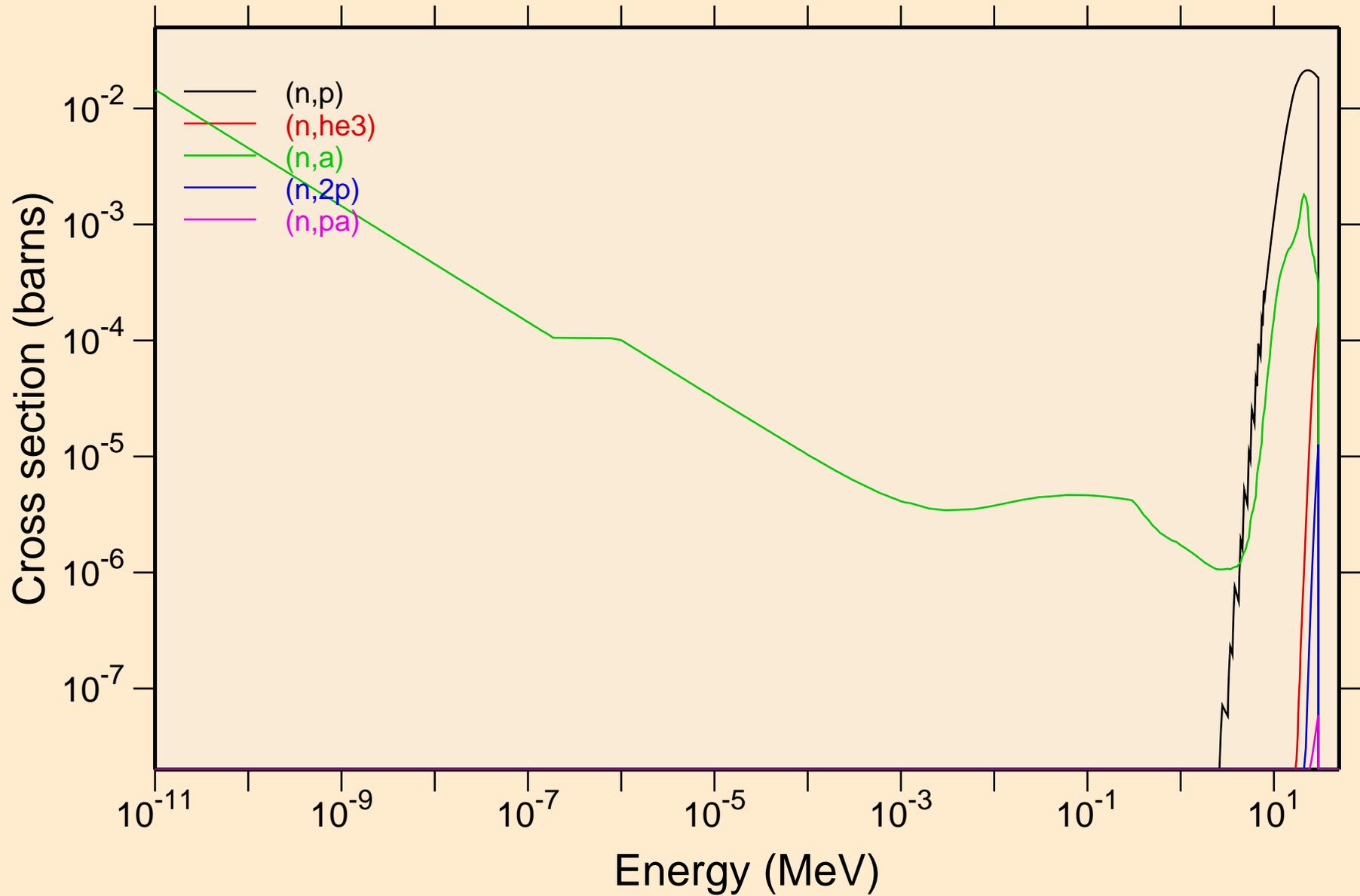


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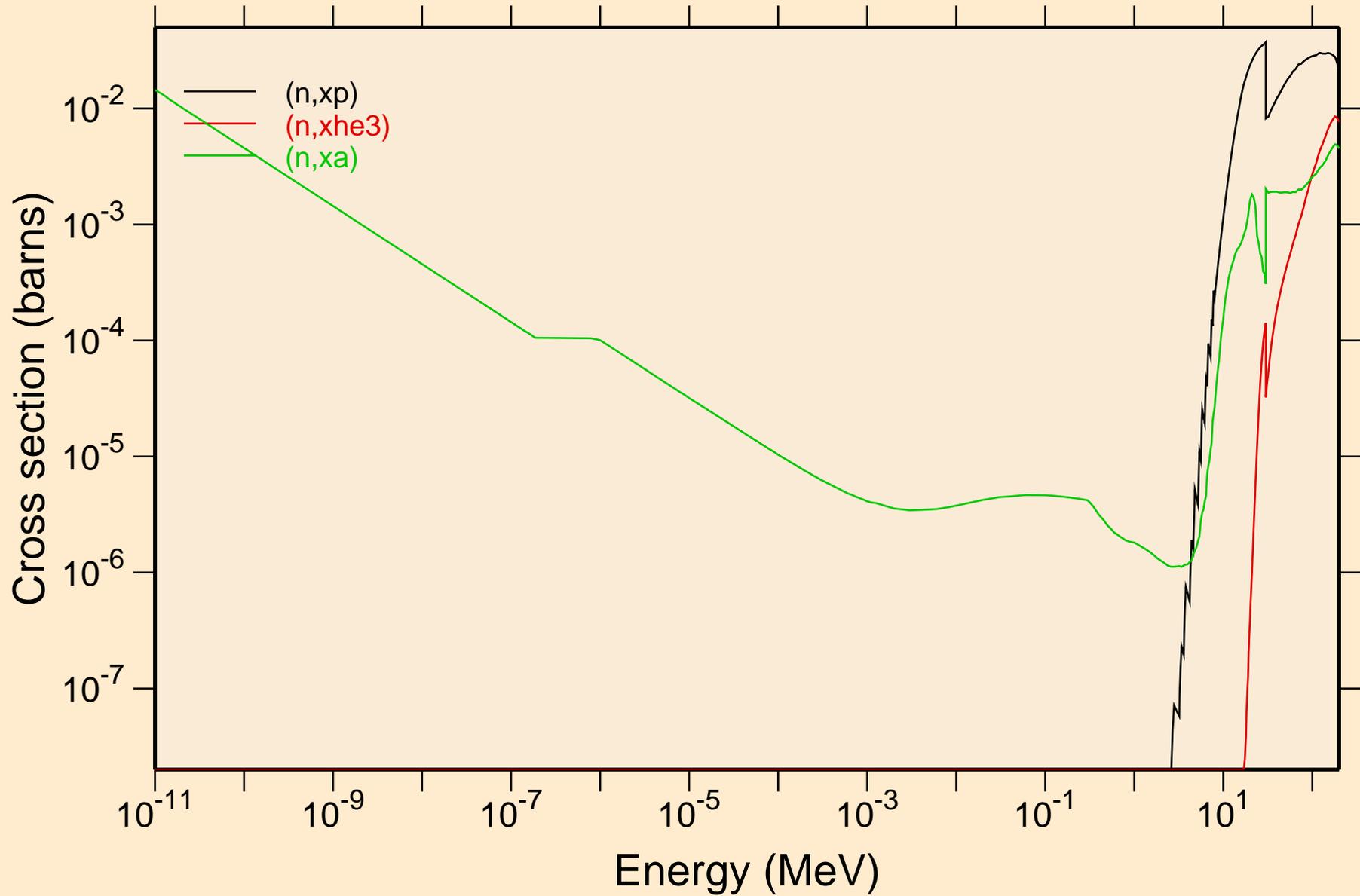
## Non-threshold reactions



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

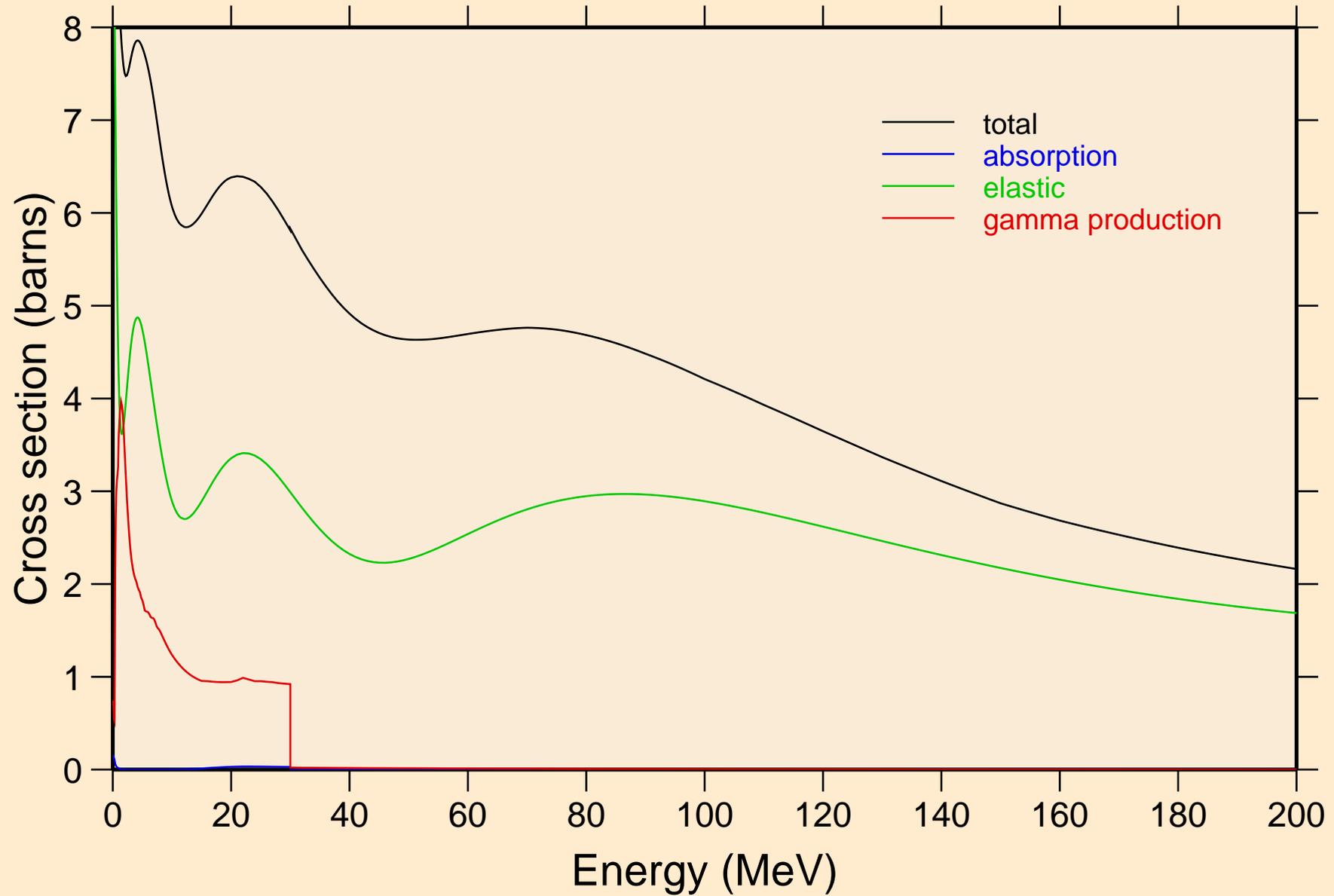


RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

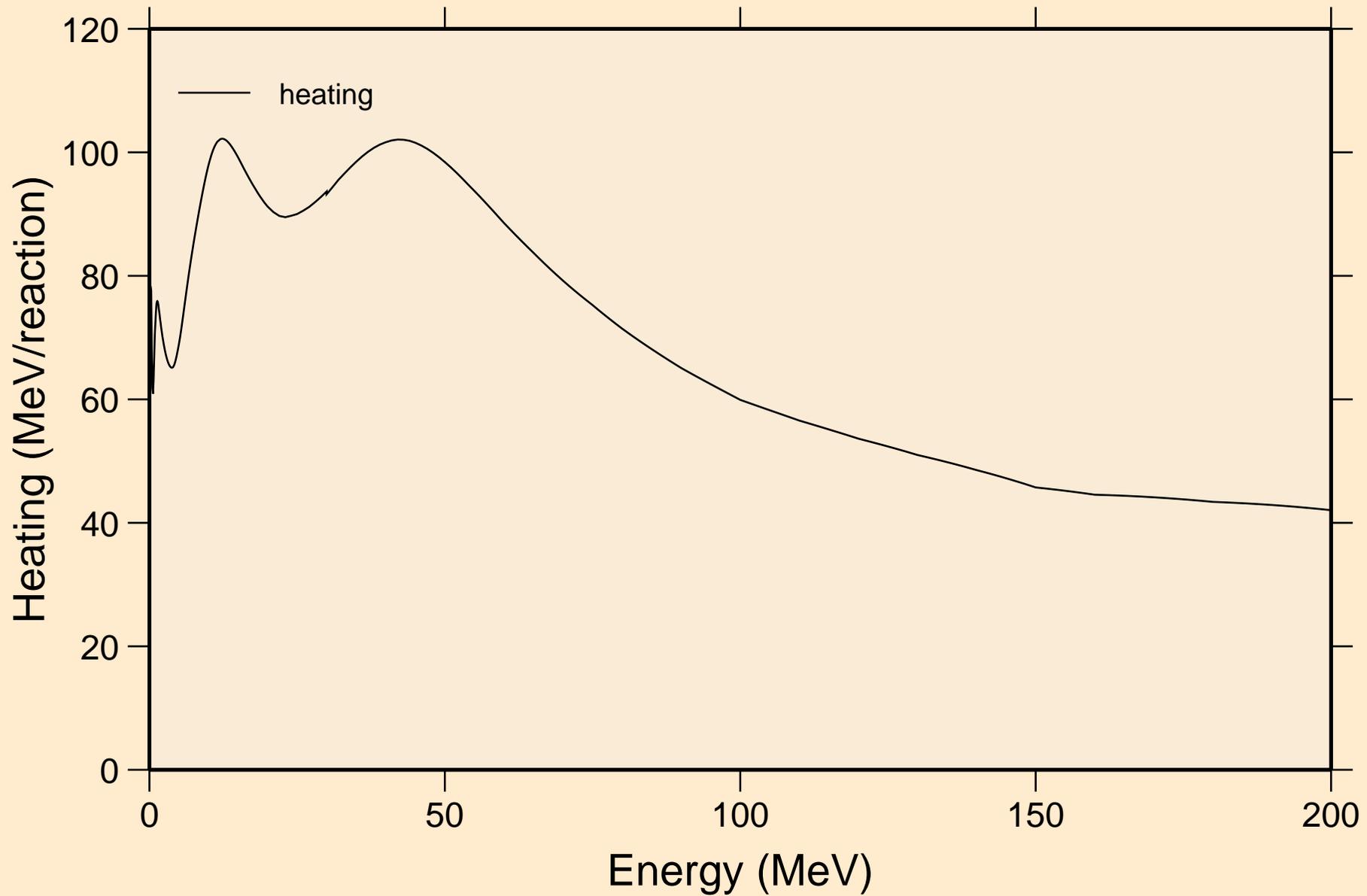


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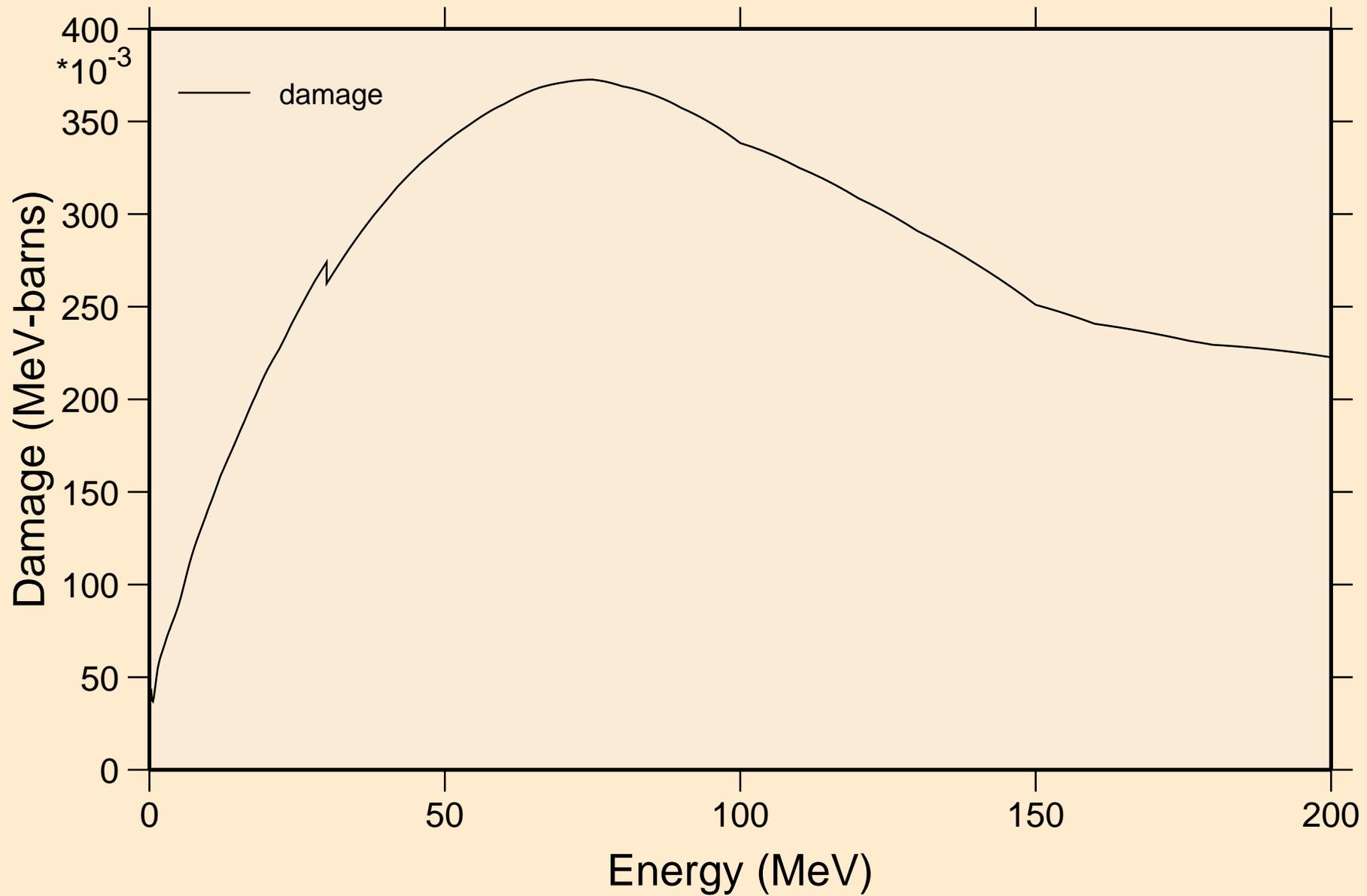
## Principal cross sections



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

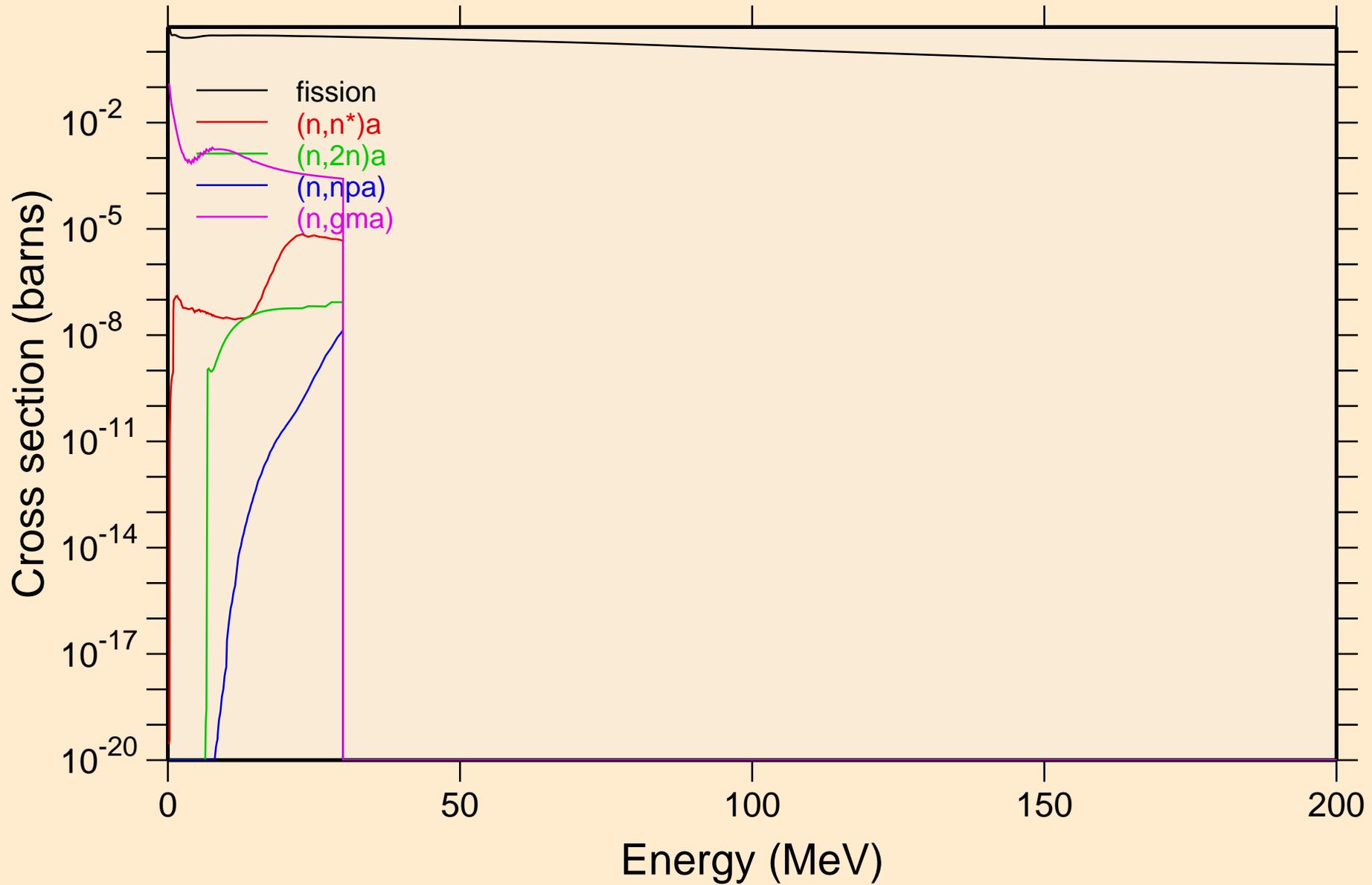


RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

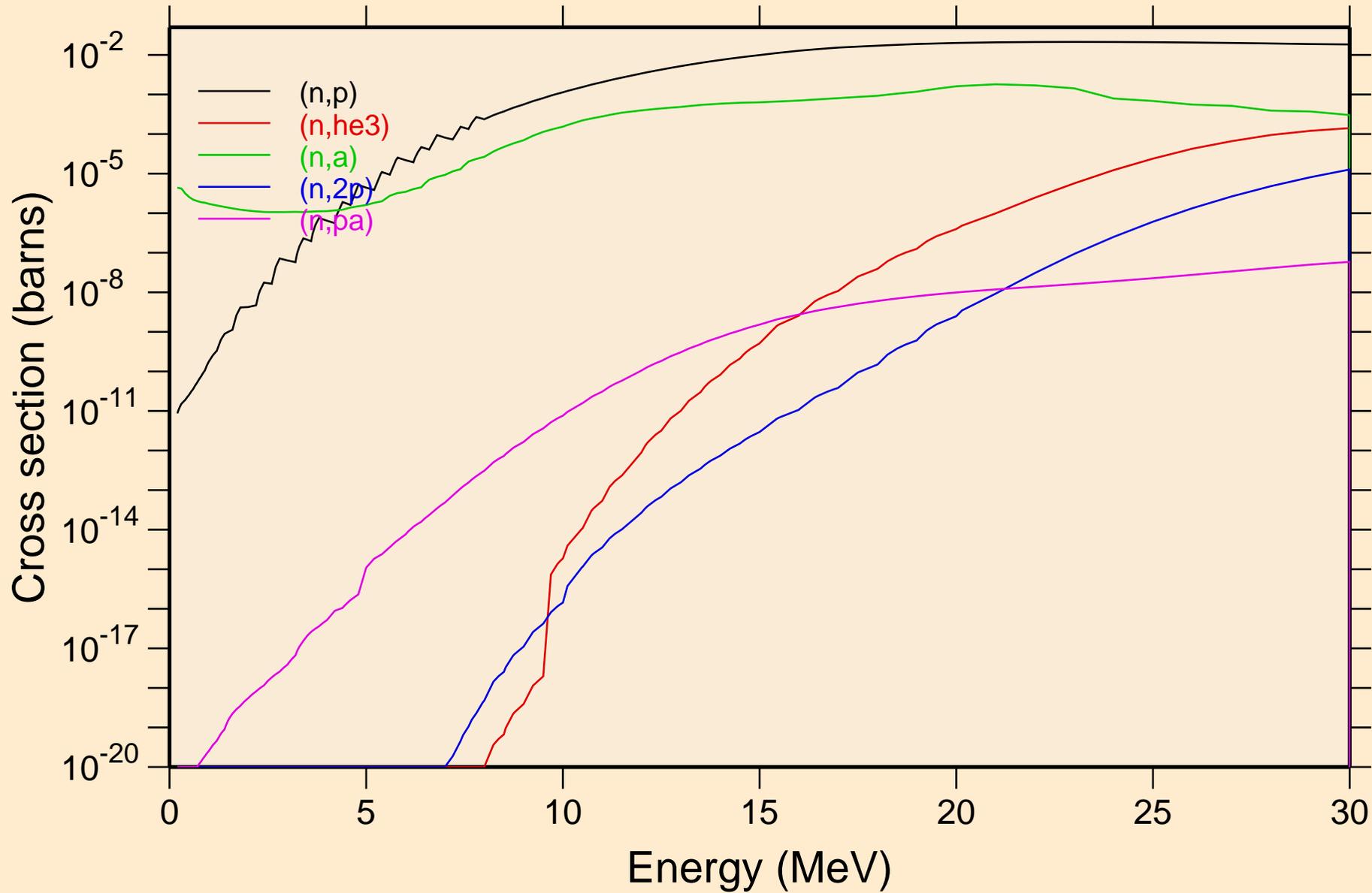


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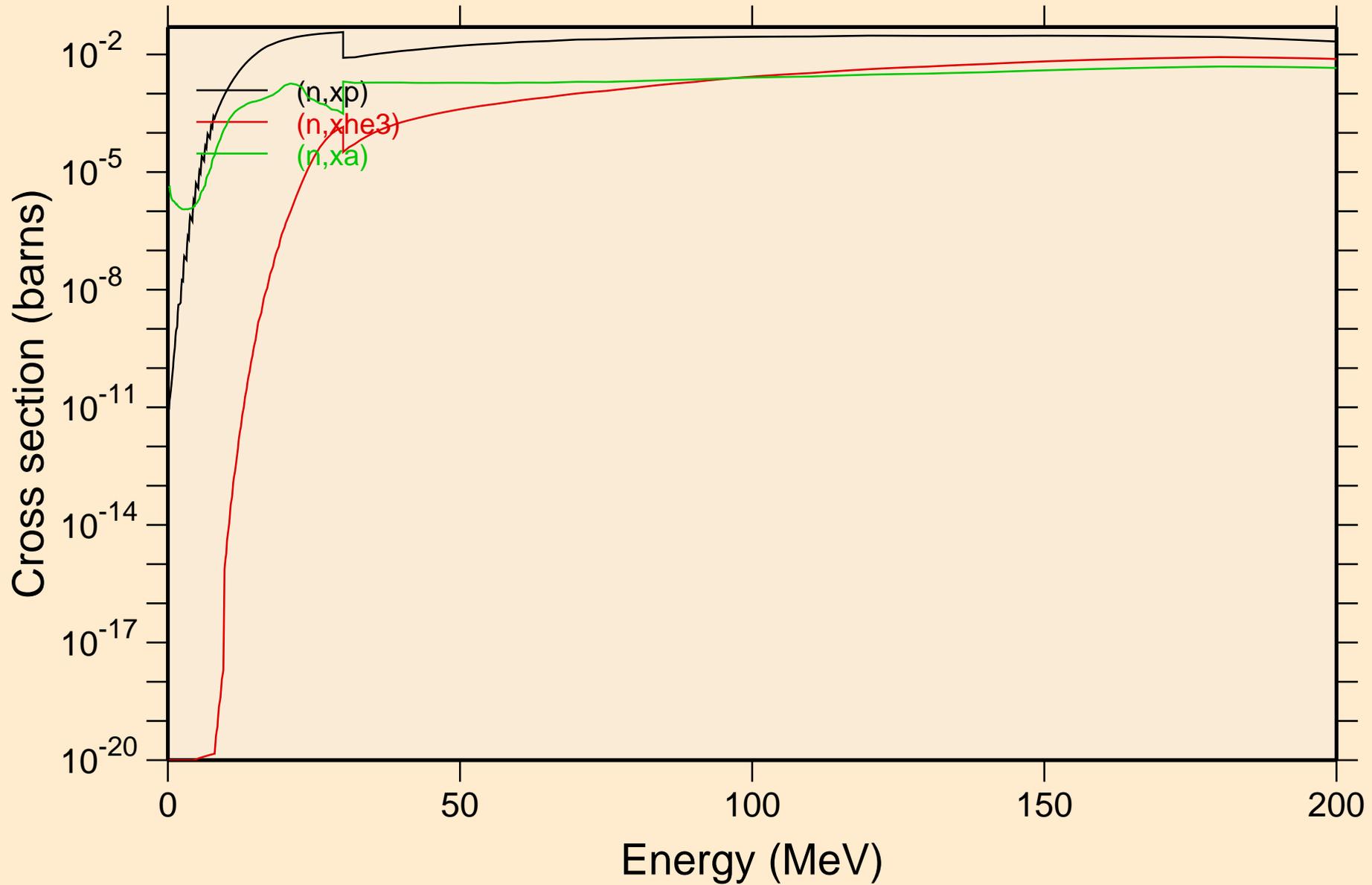
## Non-threshold reactions



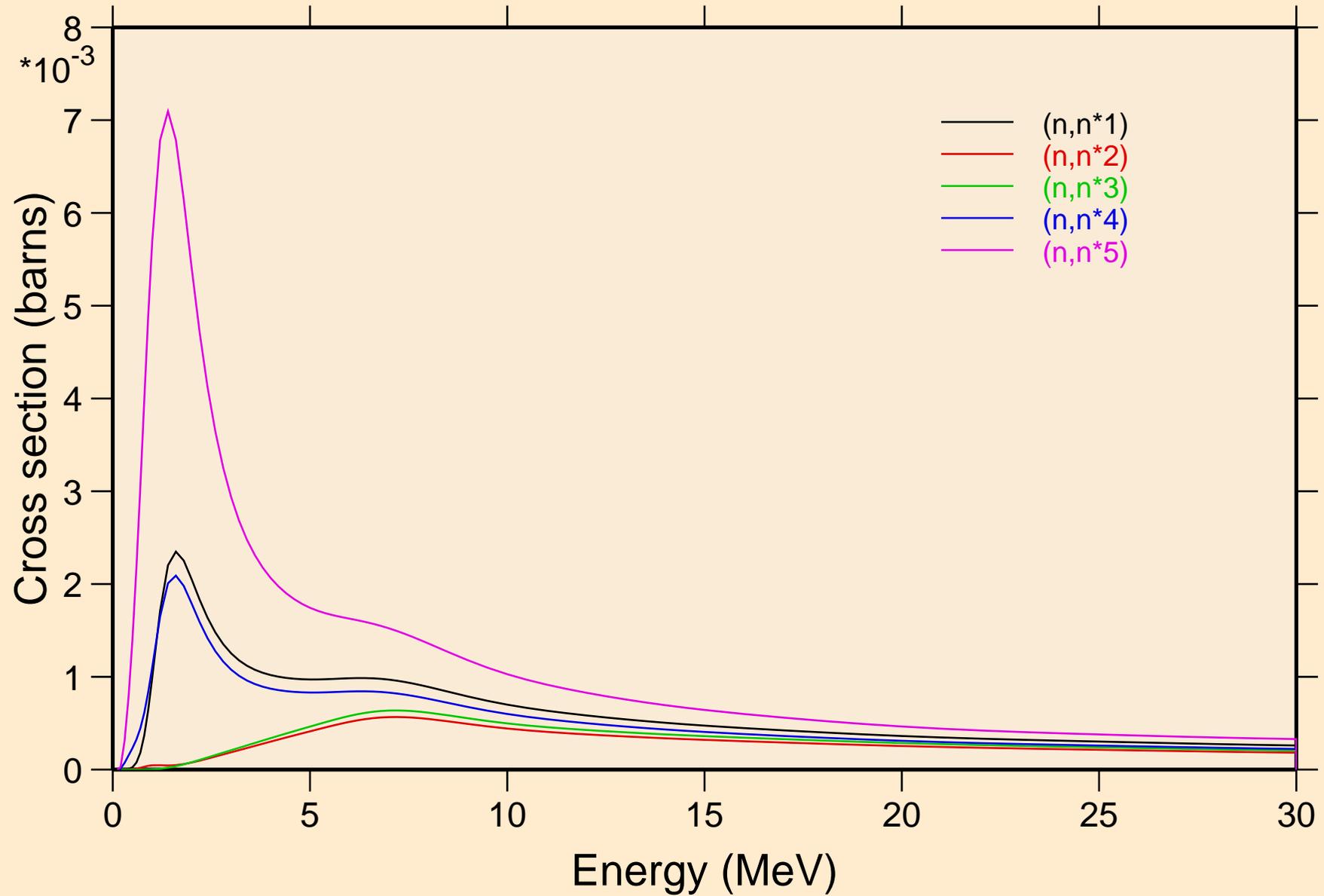
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



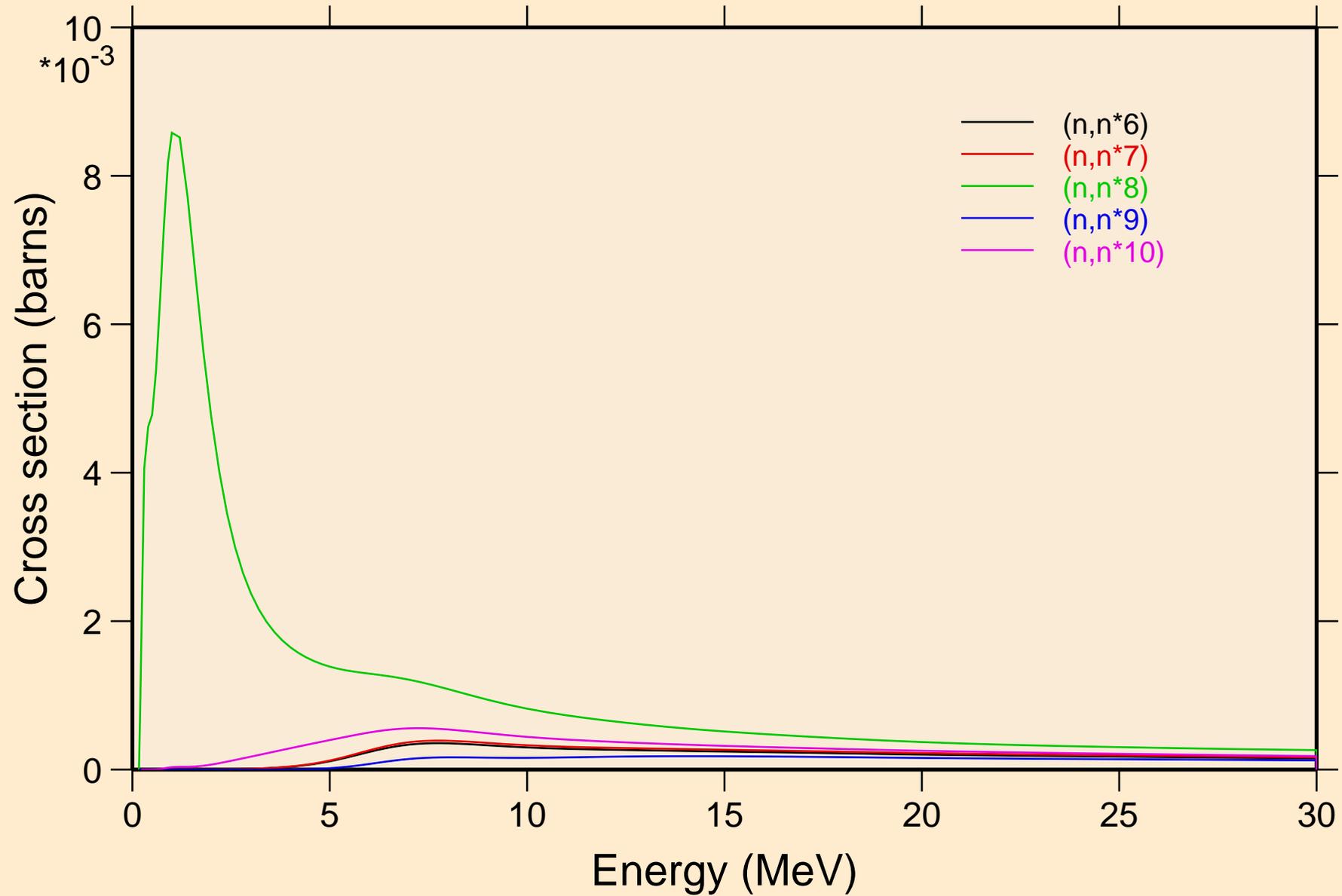
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Non-threshold reactions



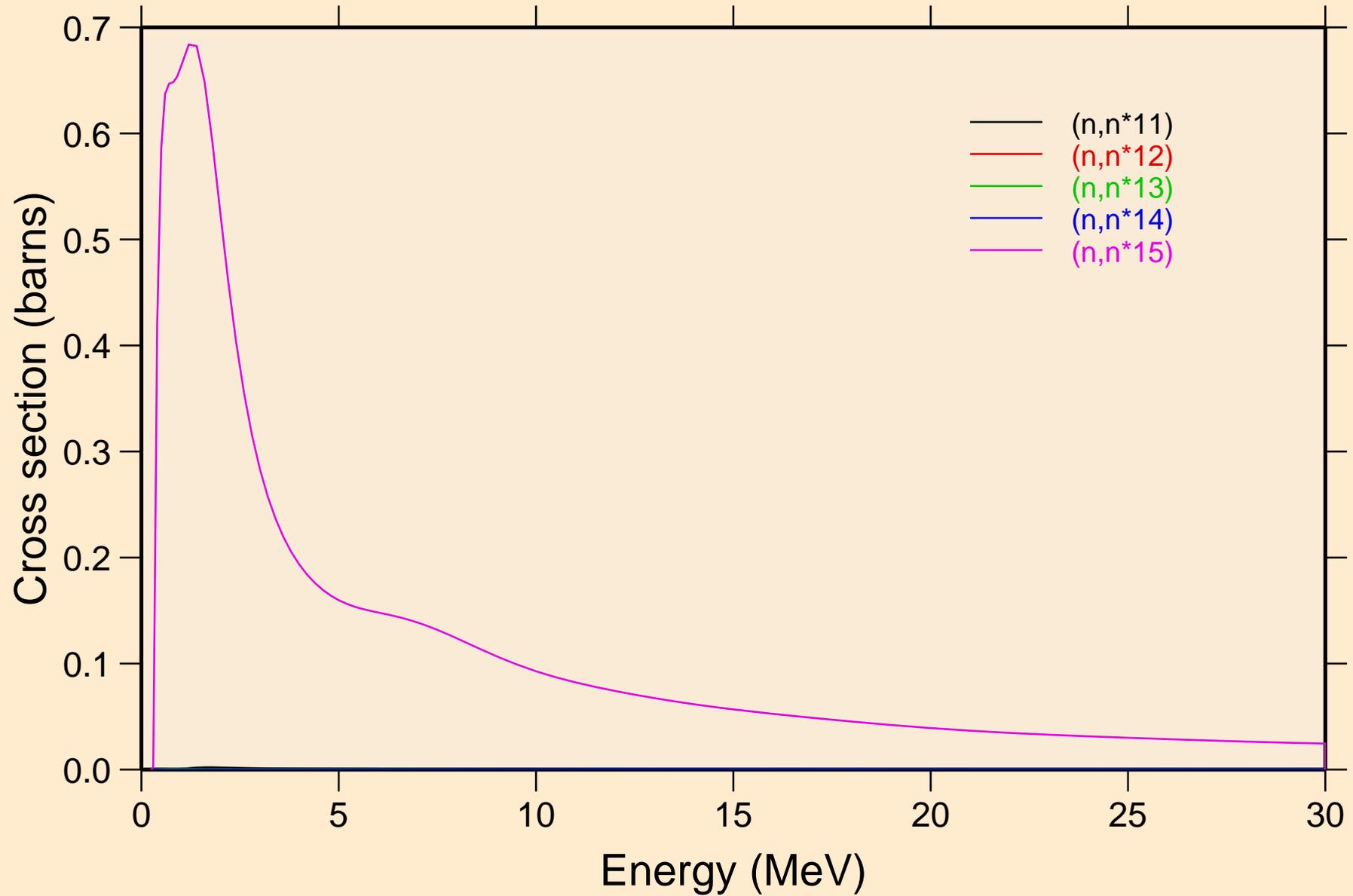
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



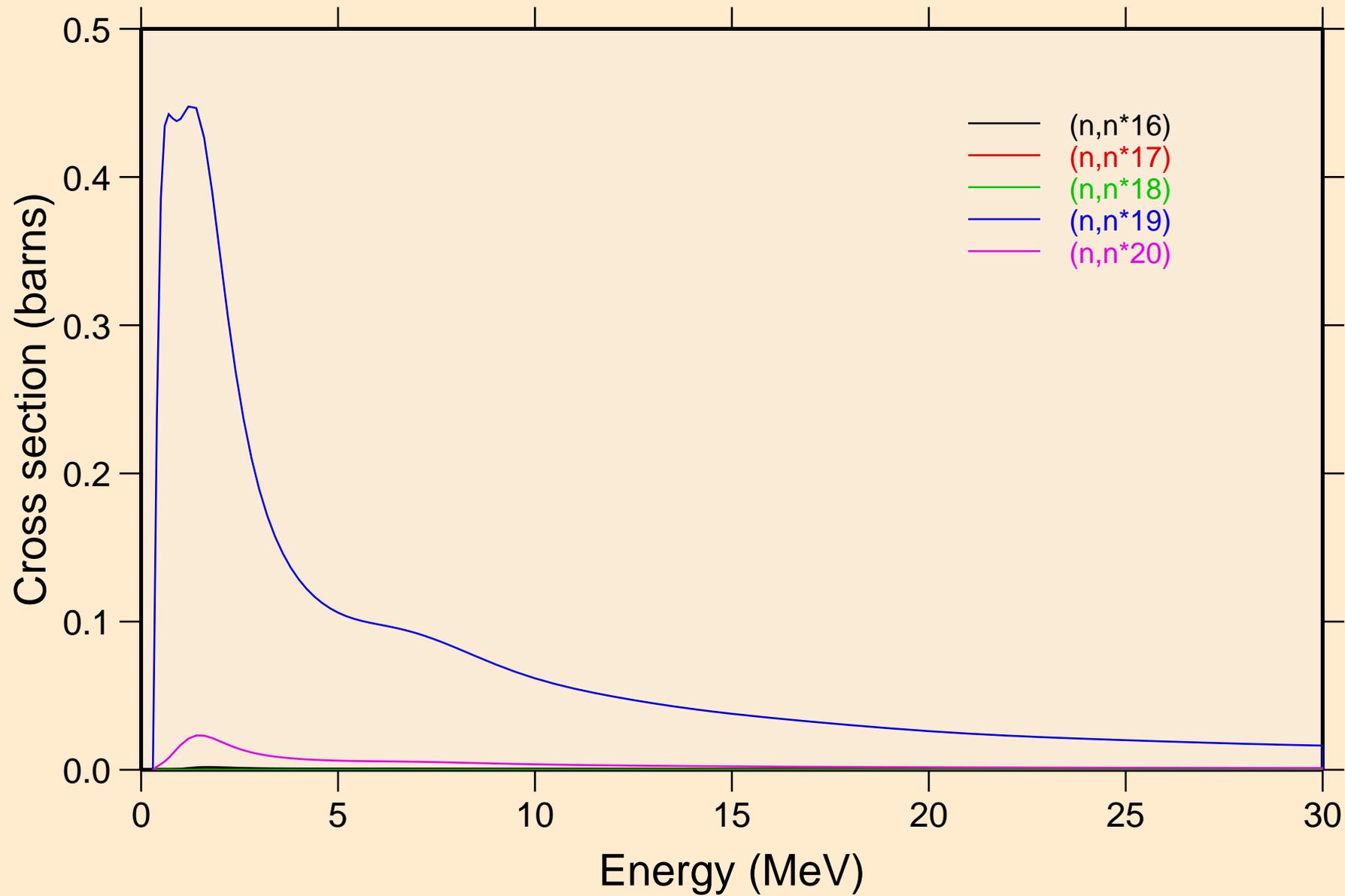
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



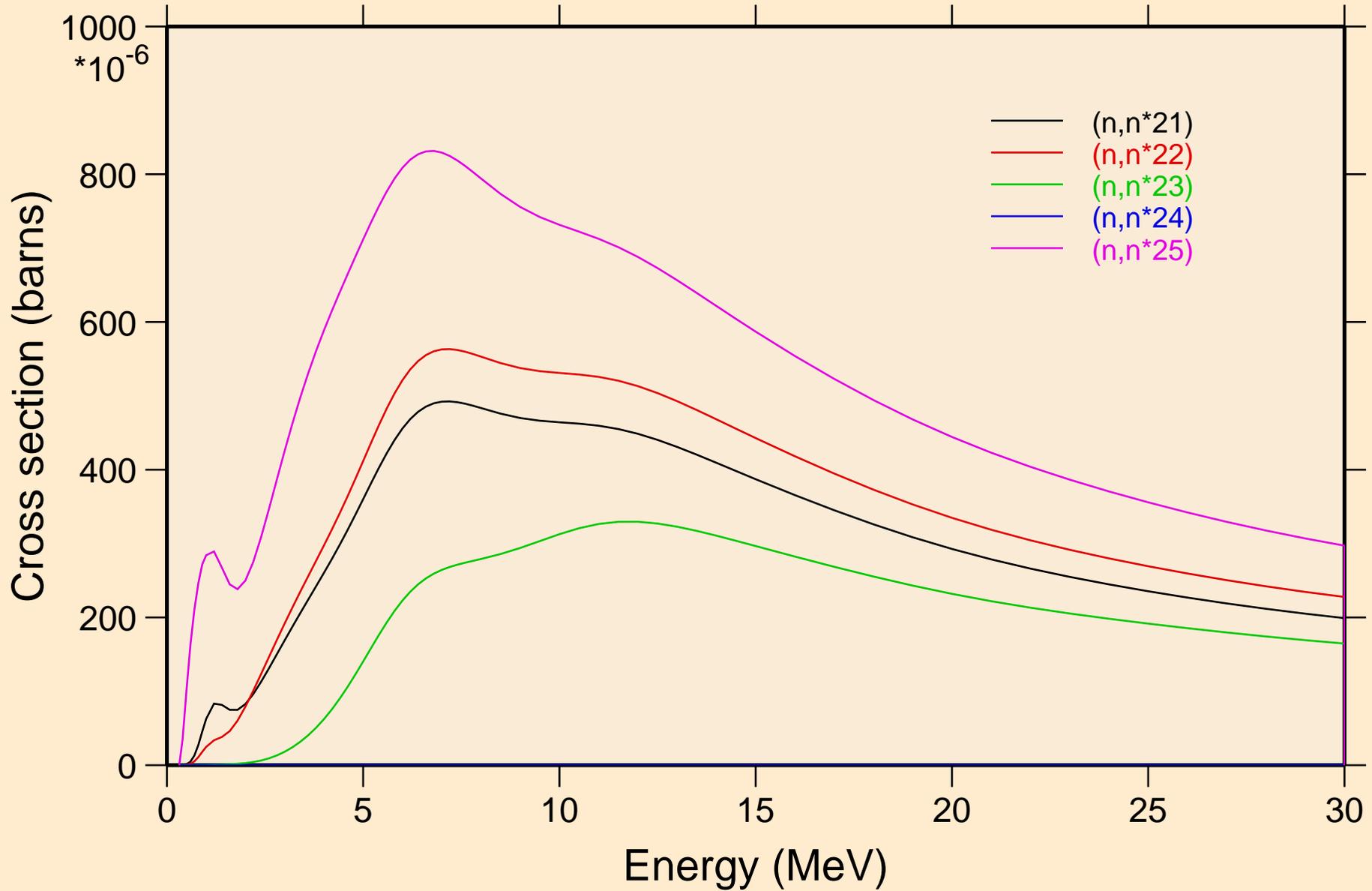
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Inelastic levels



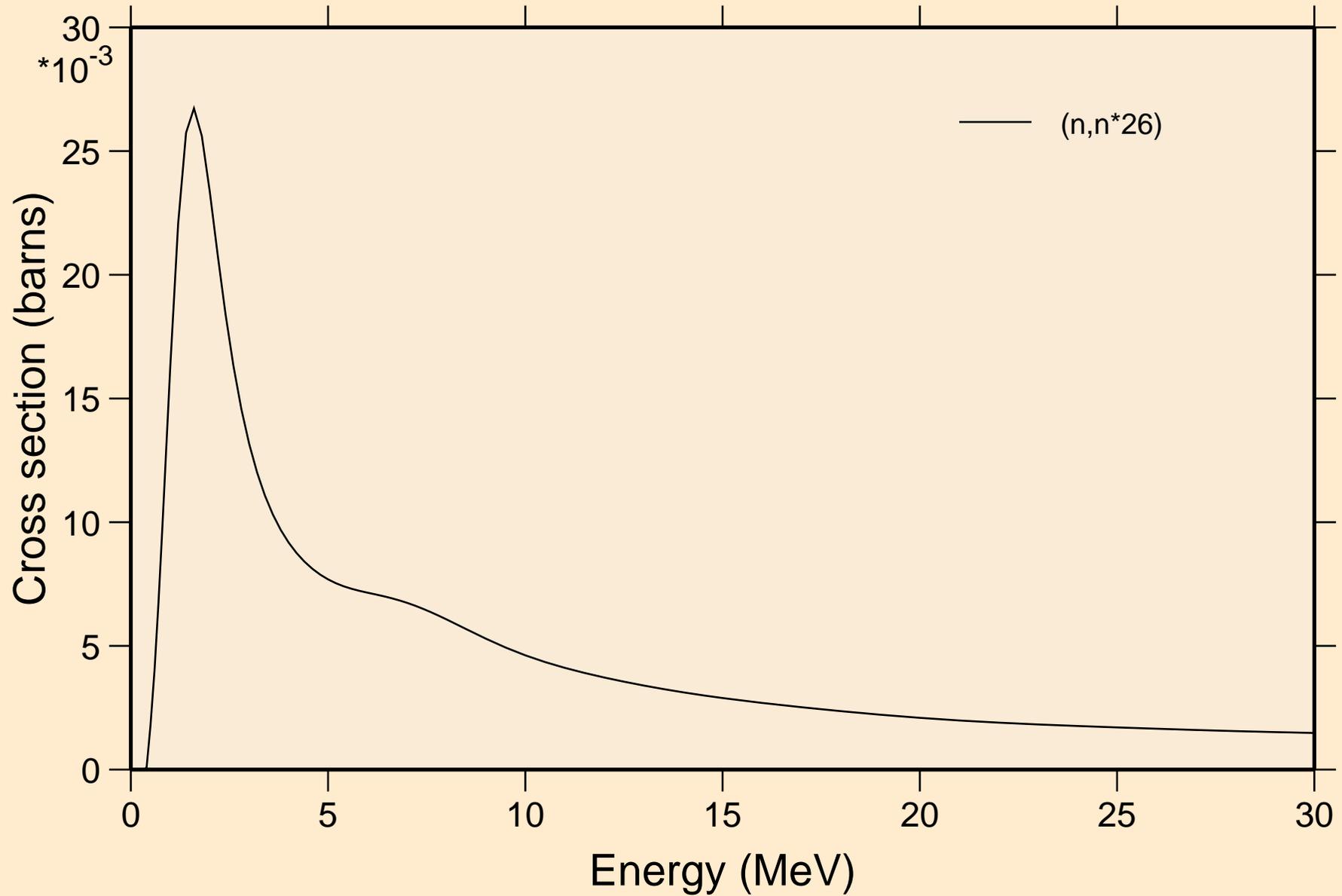
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Inelastic levels



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

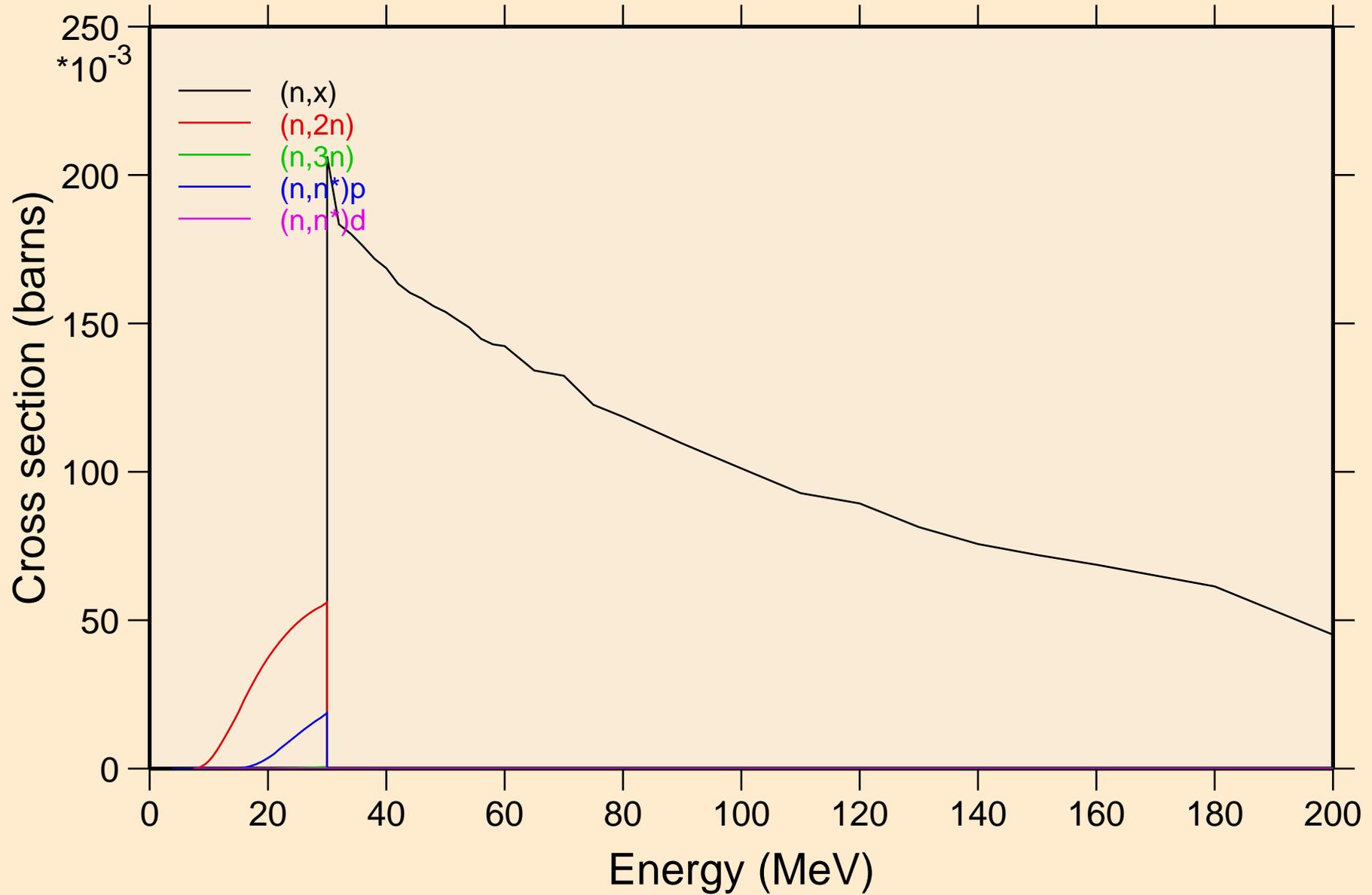


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Inelastic levels

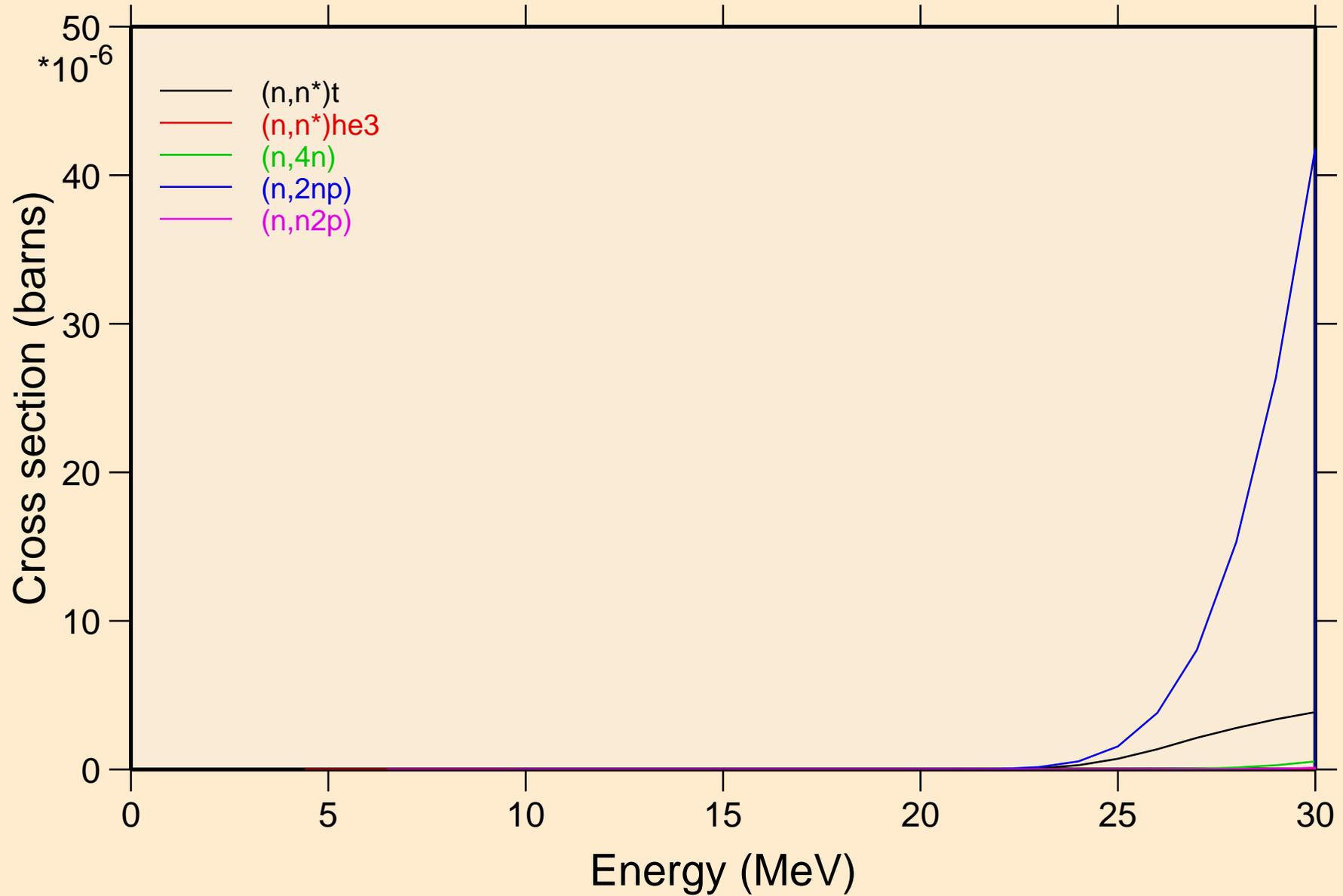


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## Threshold reactions

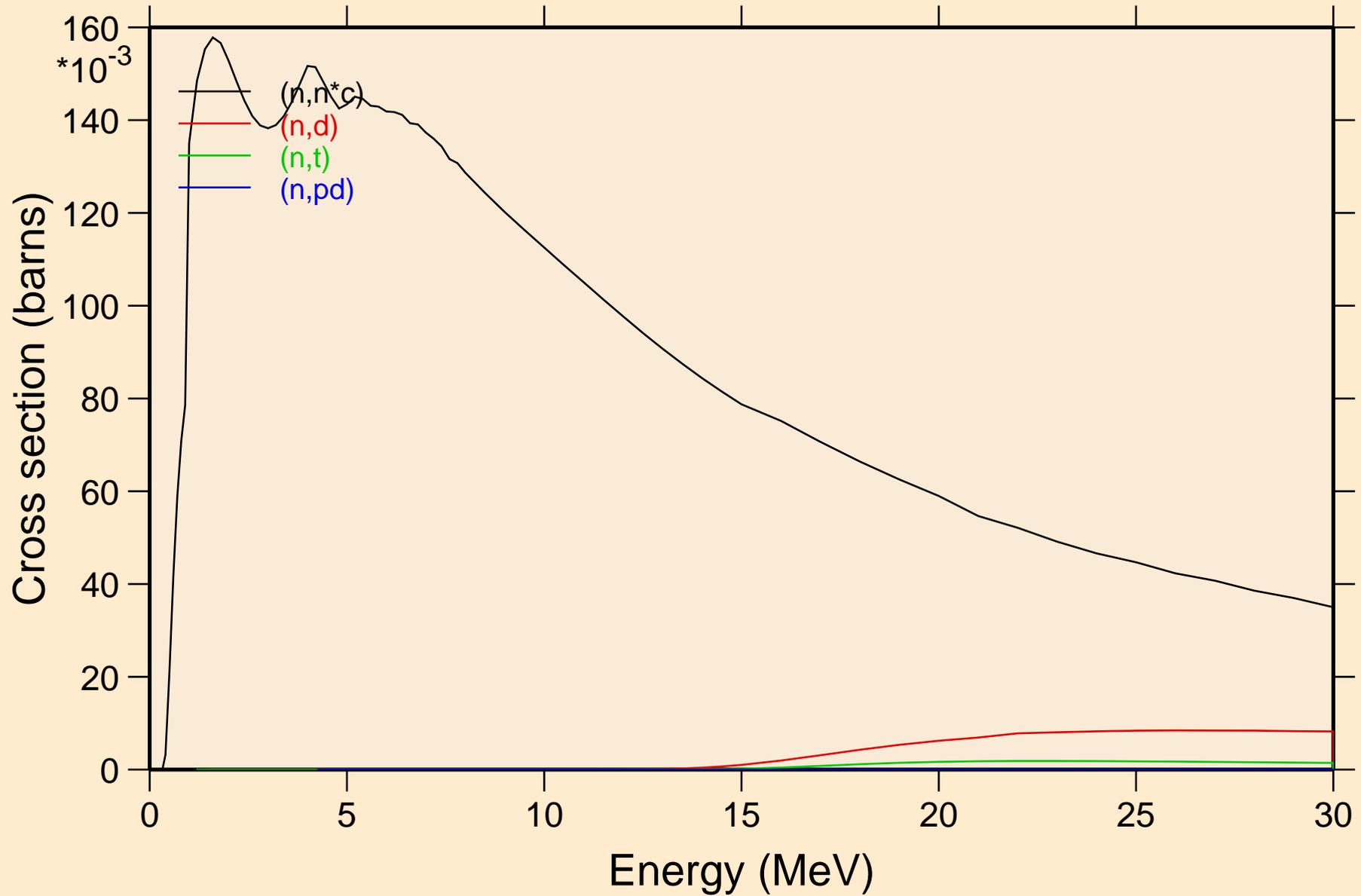


RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



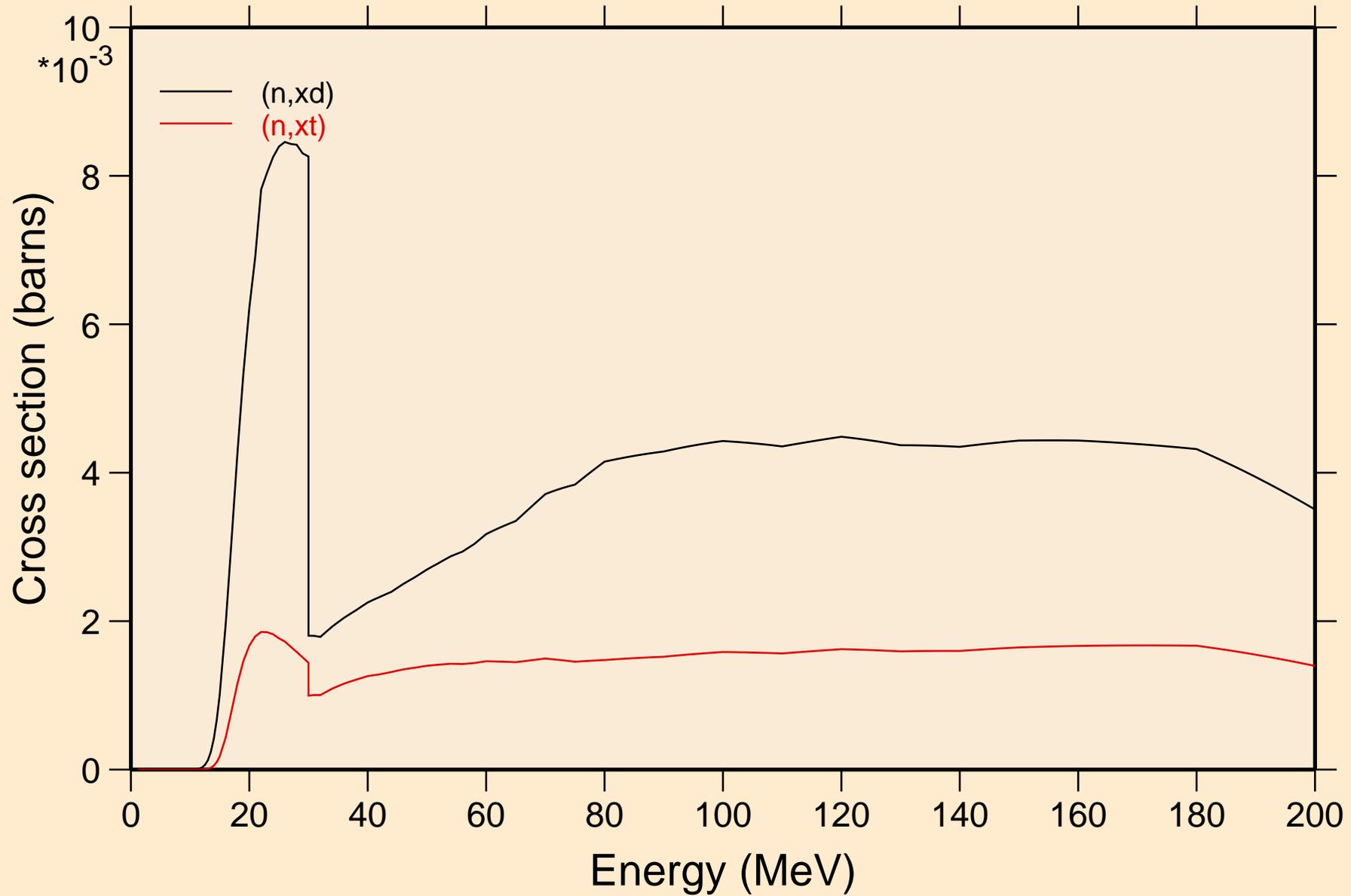
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## Threshold reactions

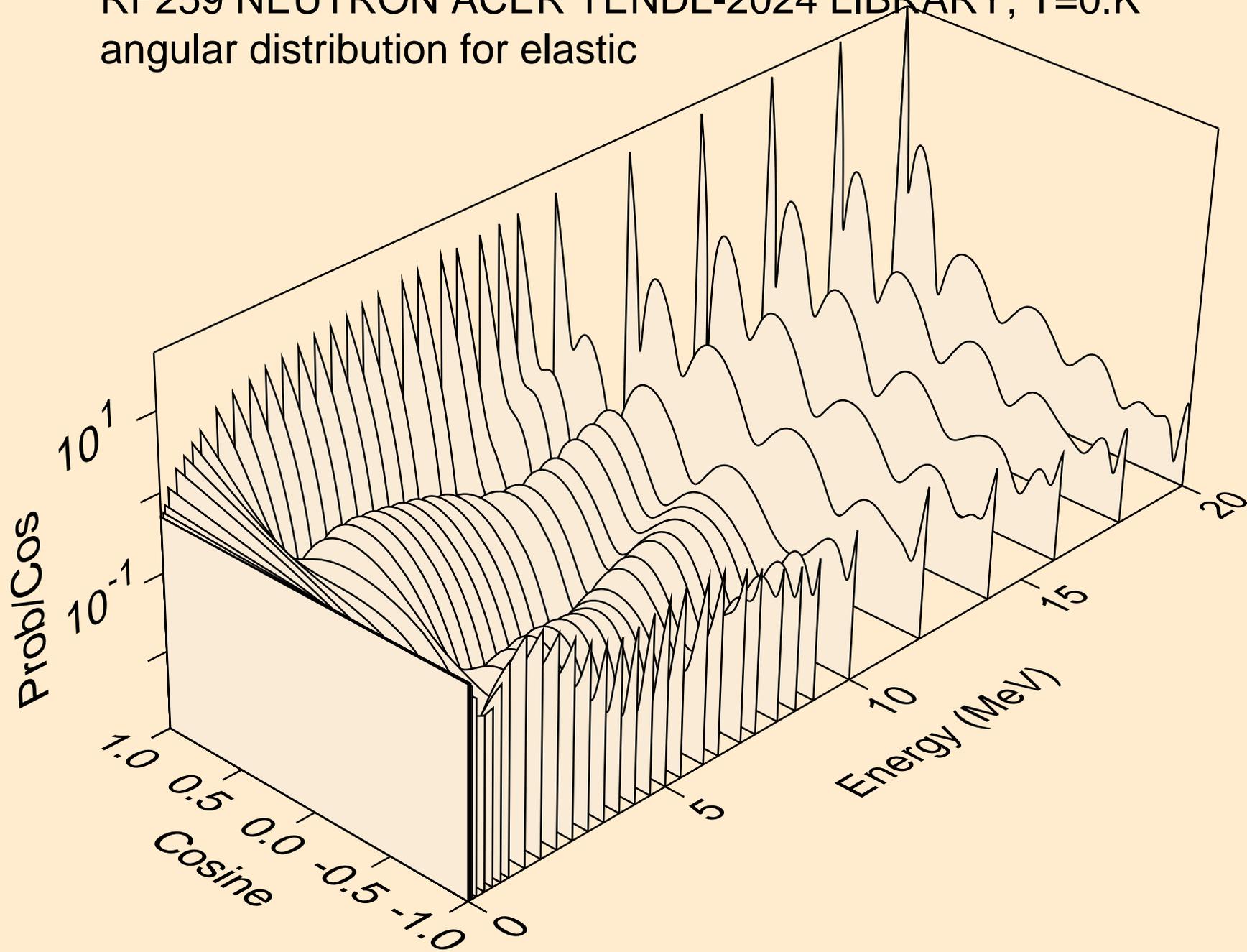


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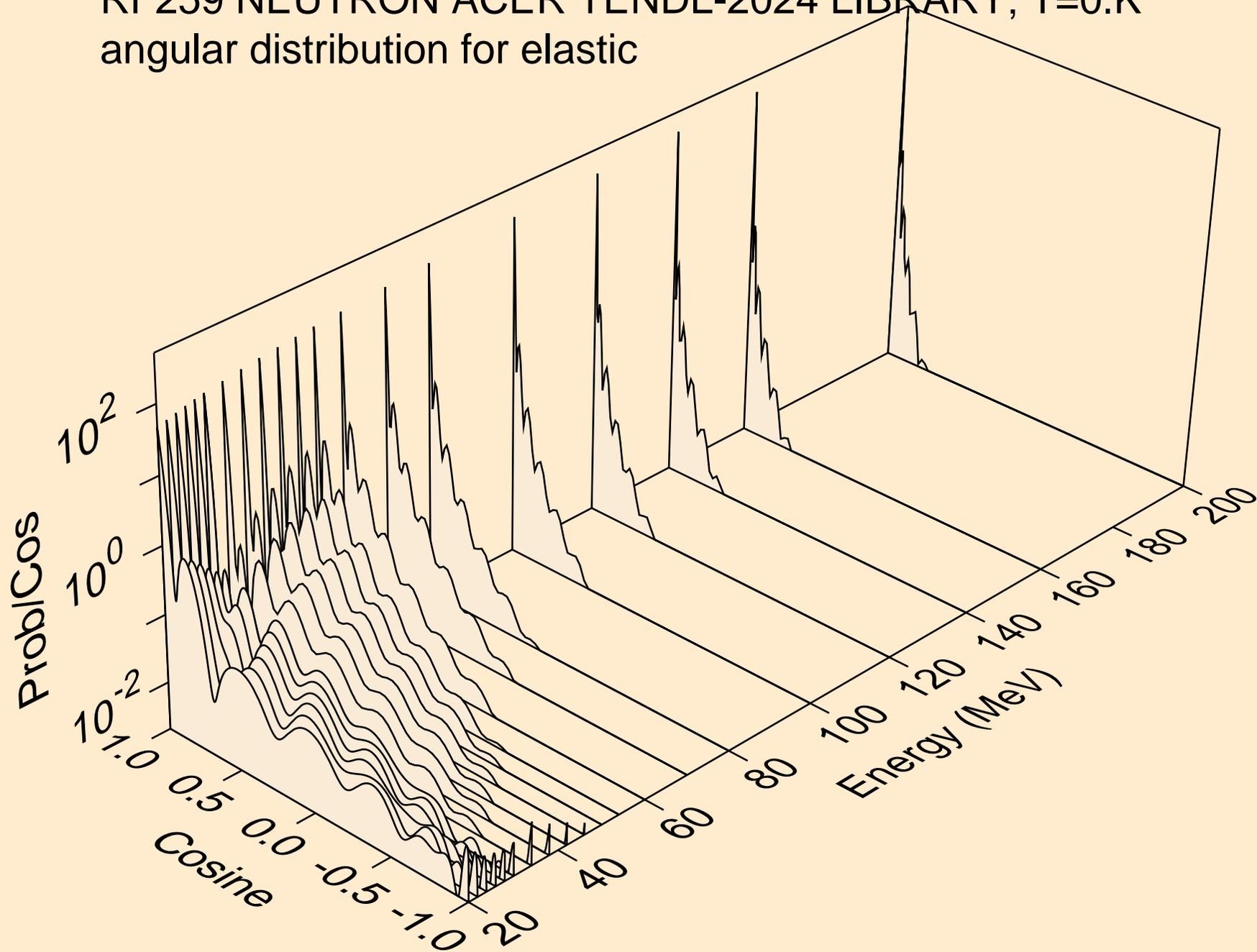
## Threshold reactions



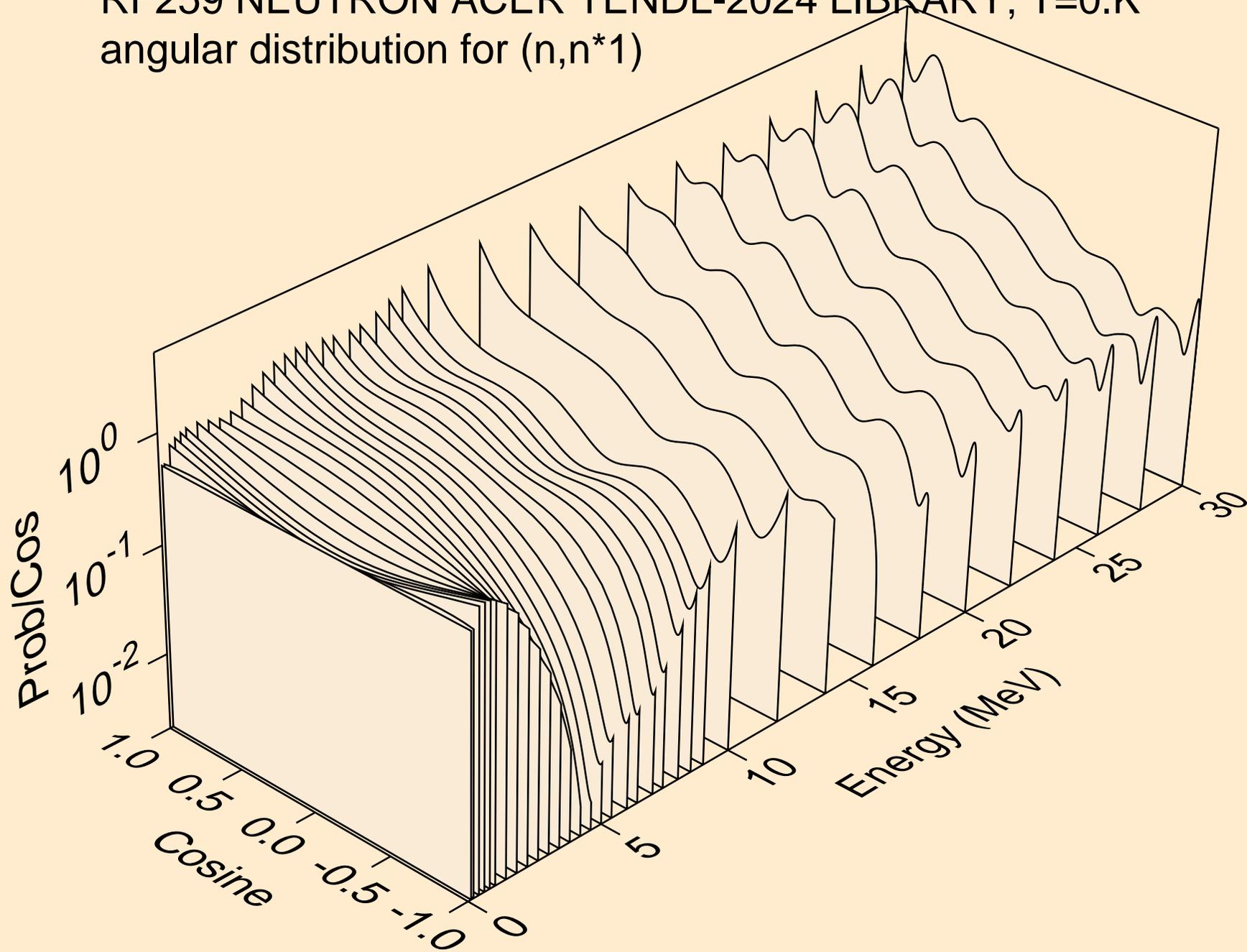
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



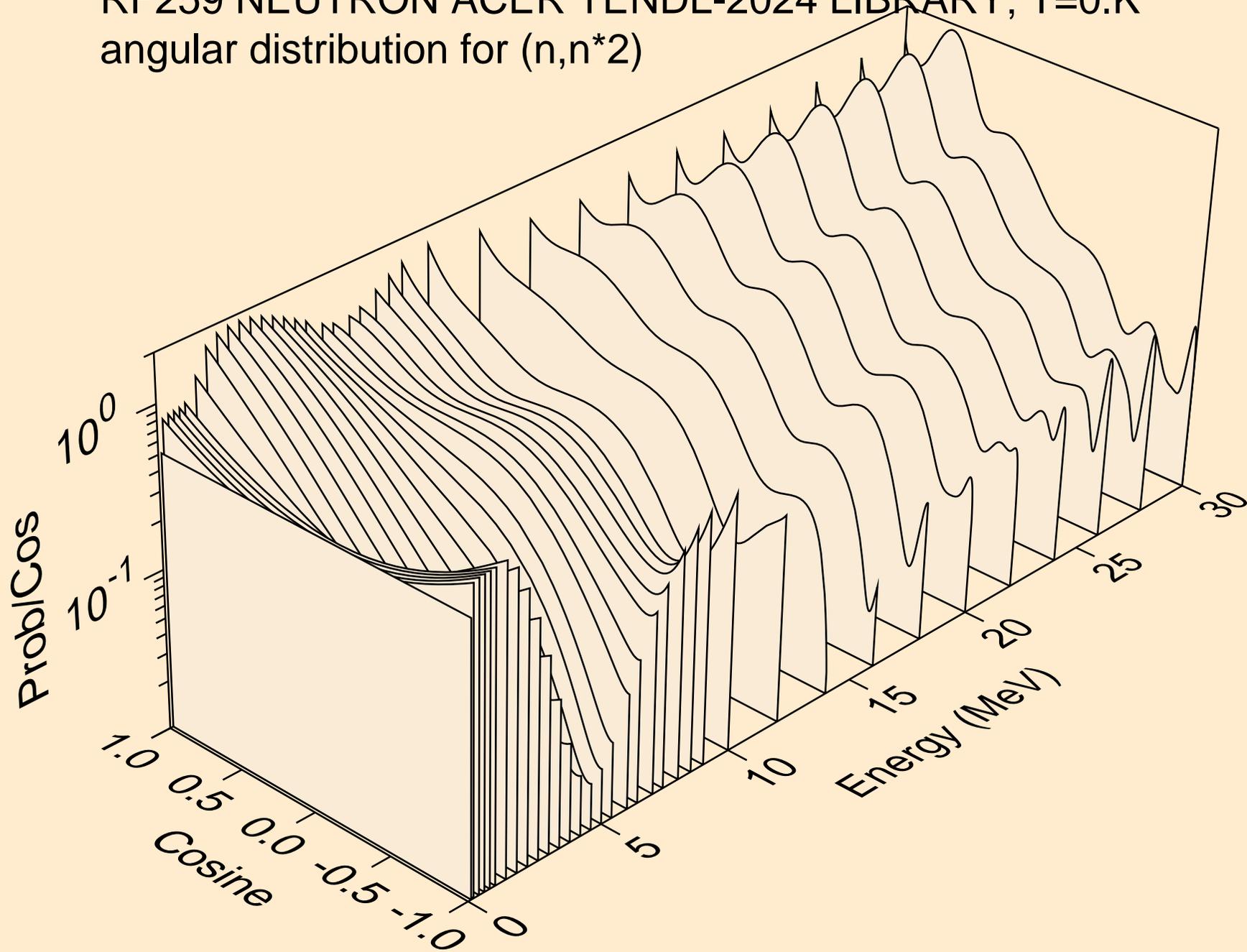
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



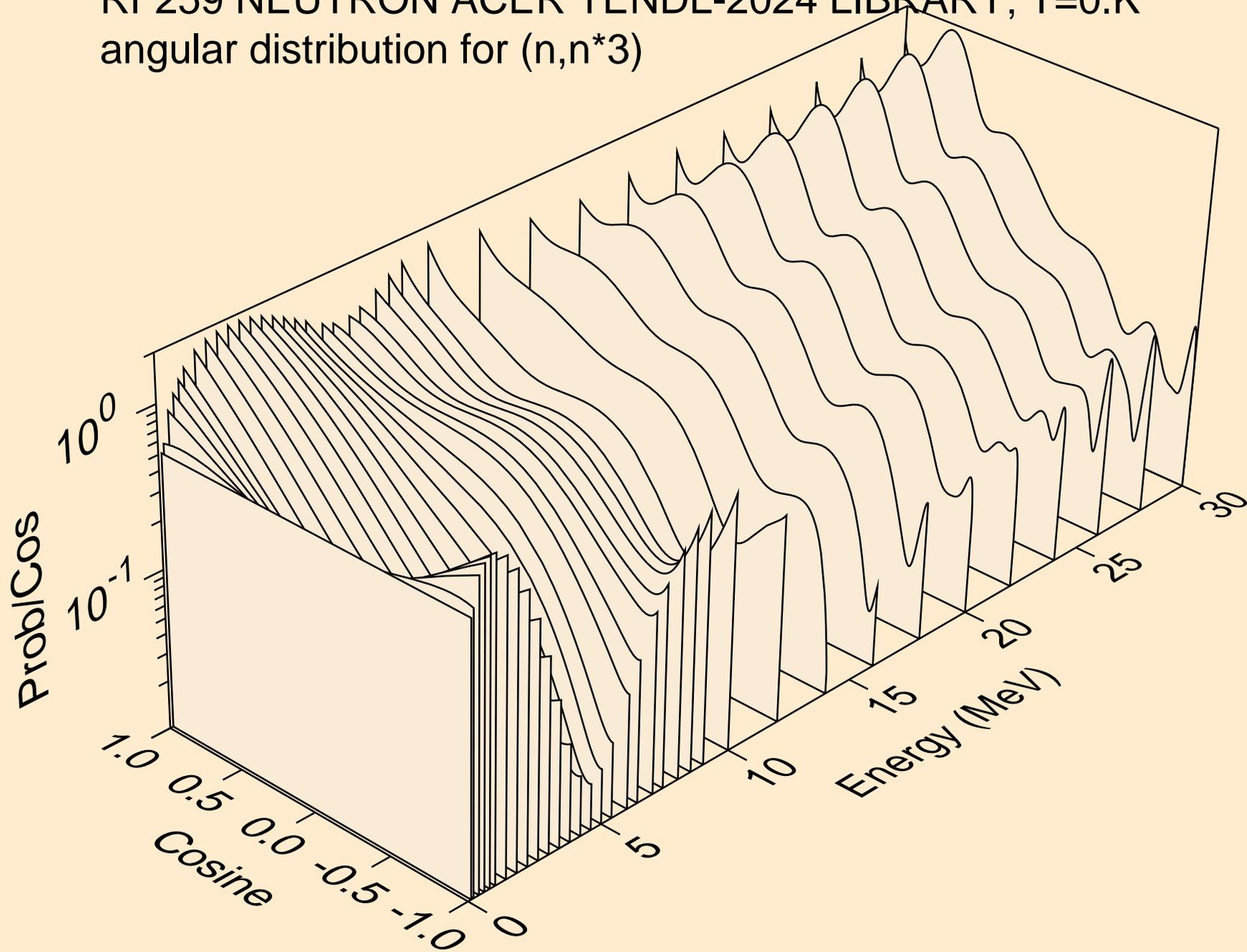
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



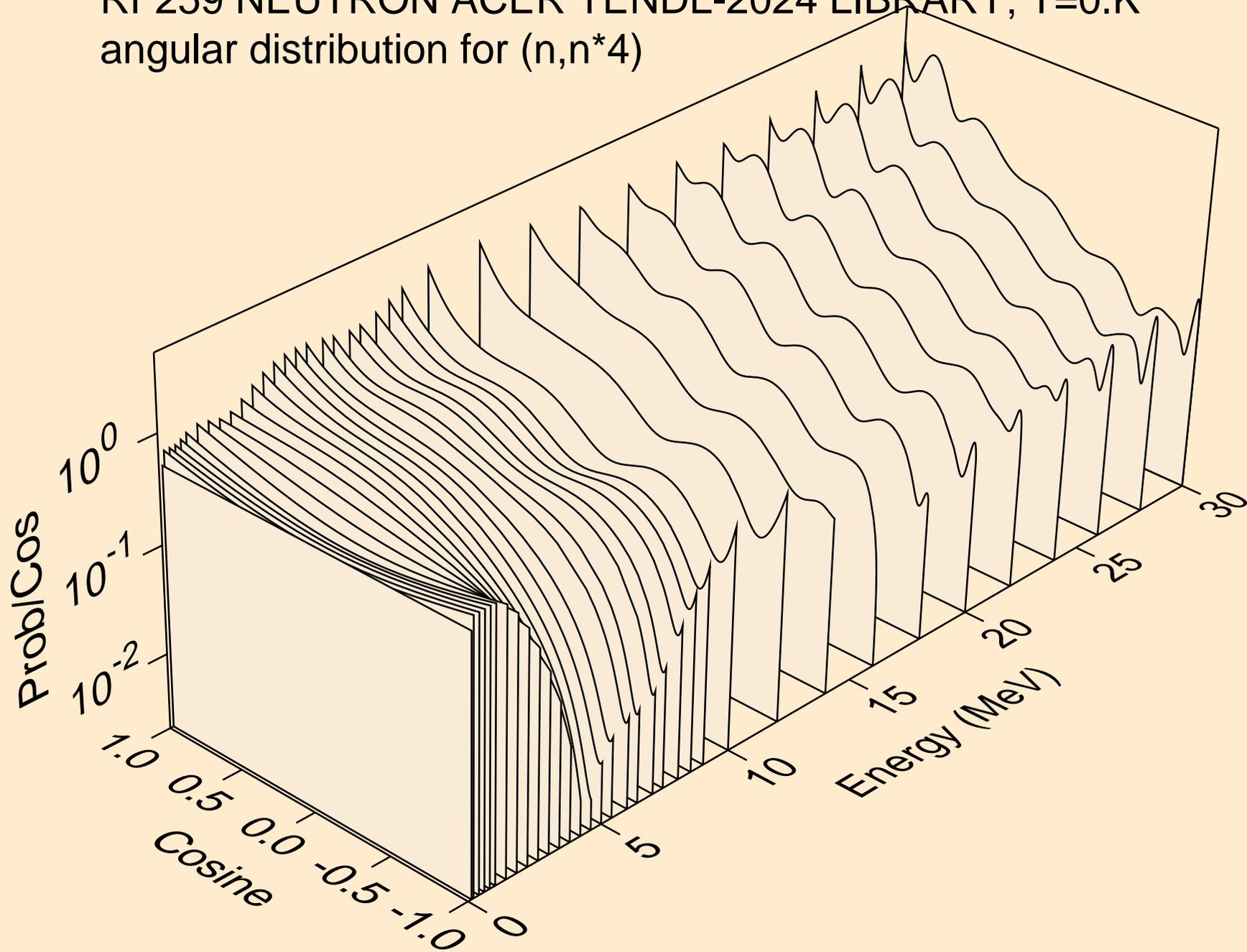
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angular distribution for (n,n\*2)



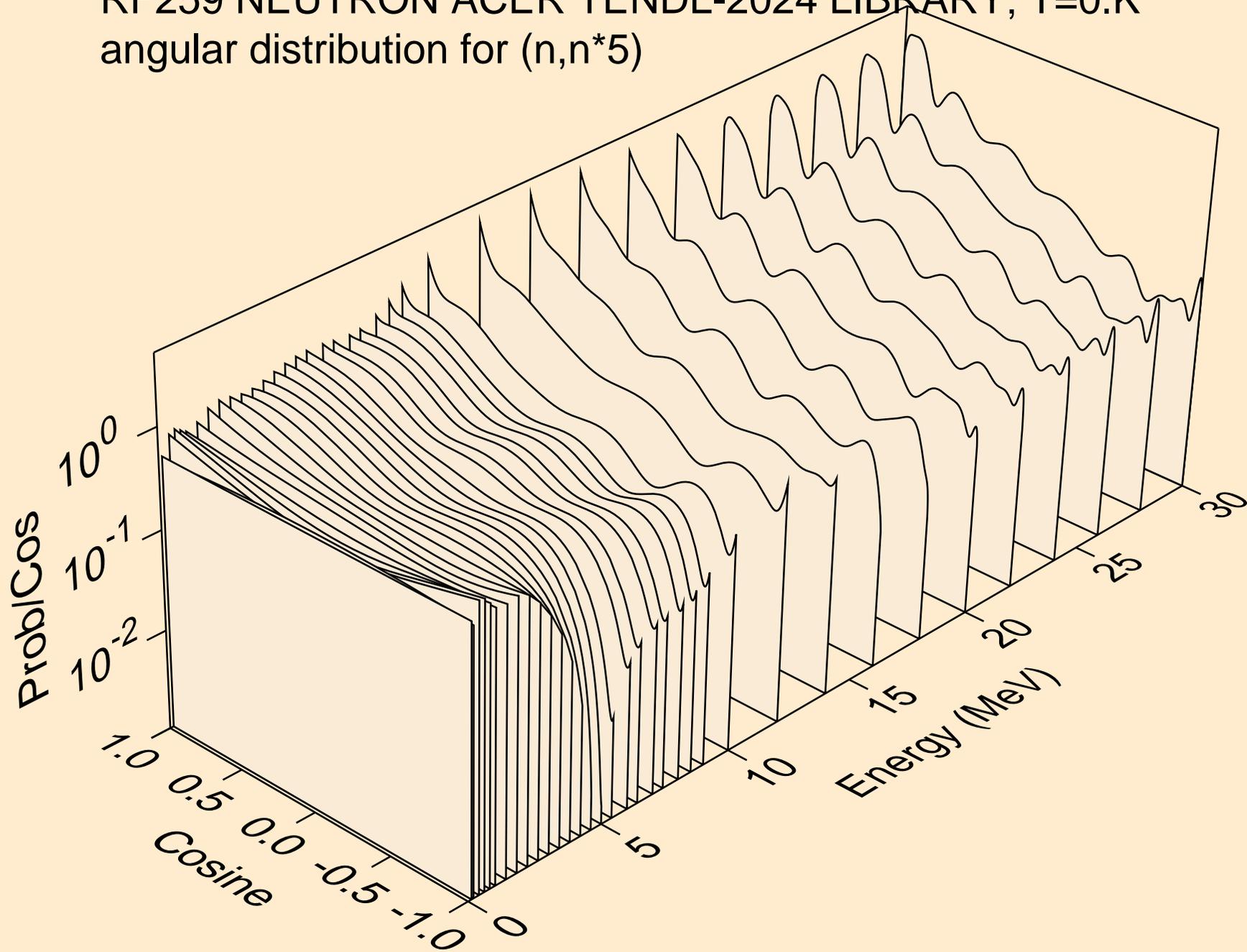
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angular distribution for (n,n\*3)



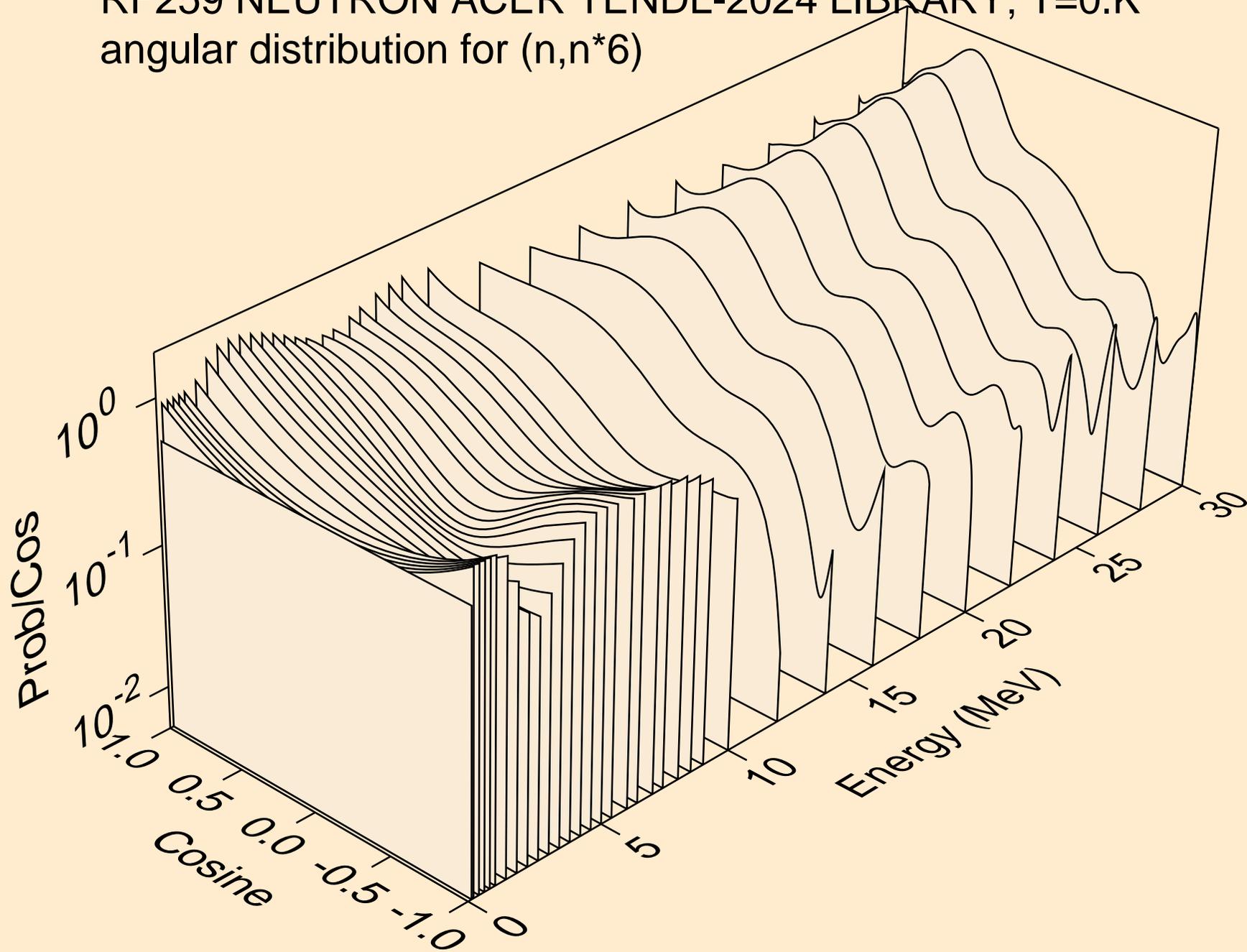
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angular distribution for (n,n\*4)



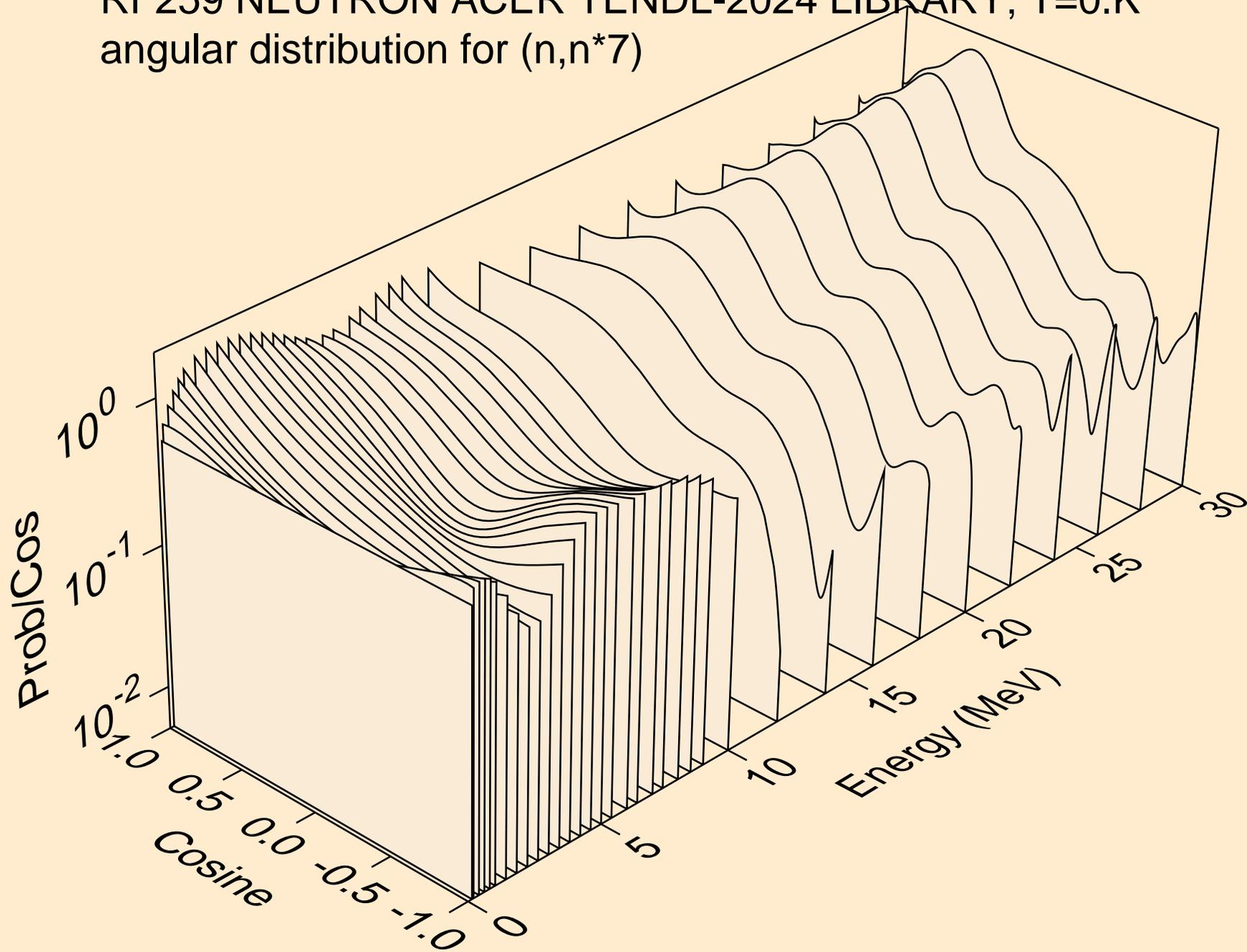
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angular distribution for (n,n\*5)



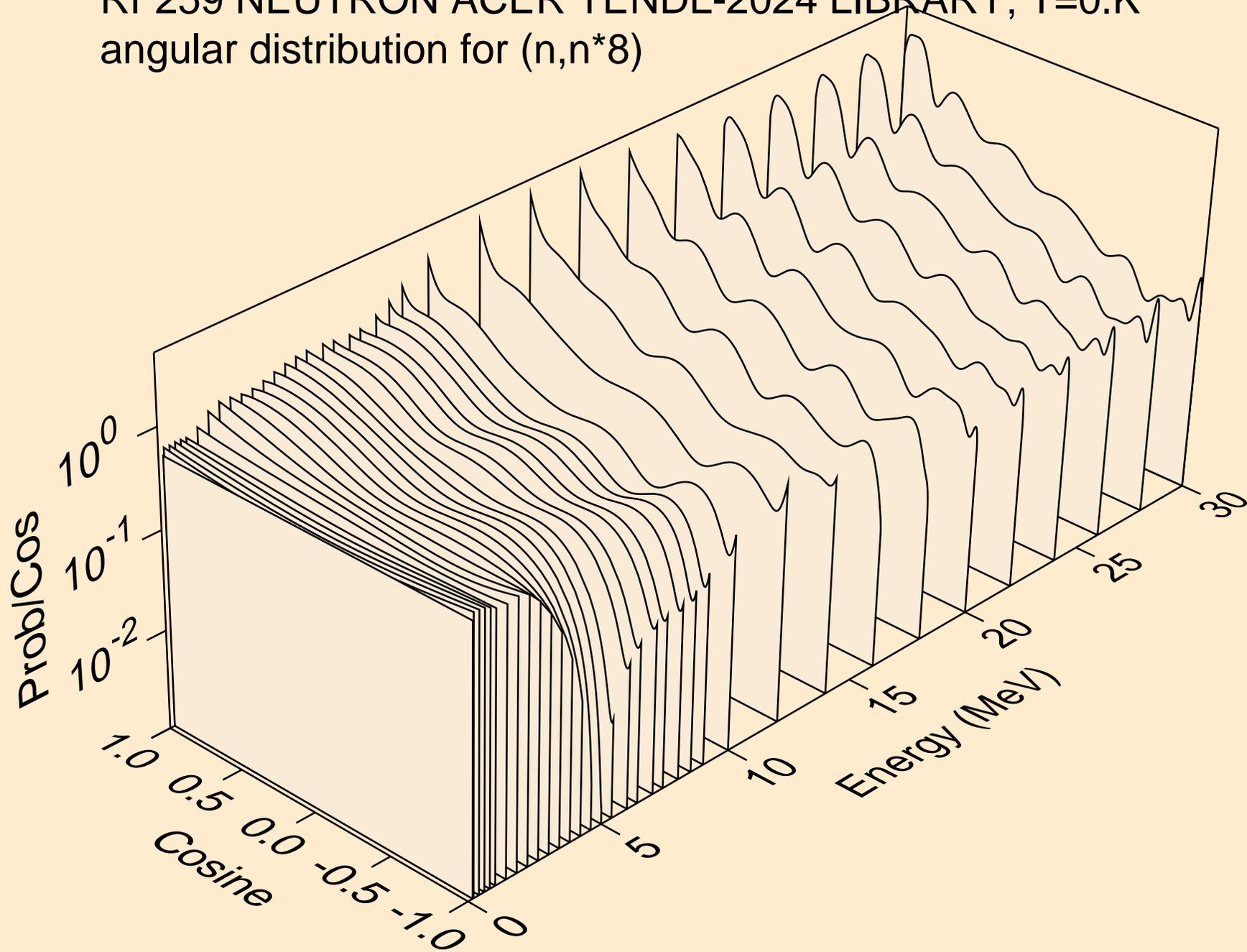
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angular distribution for (n,n\*6)



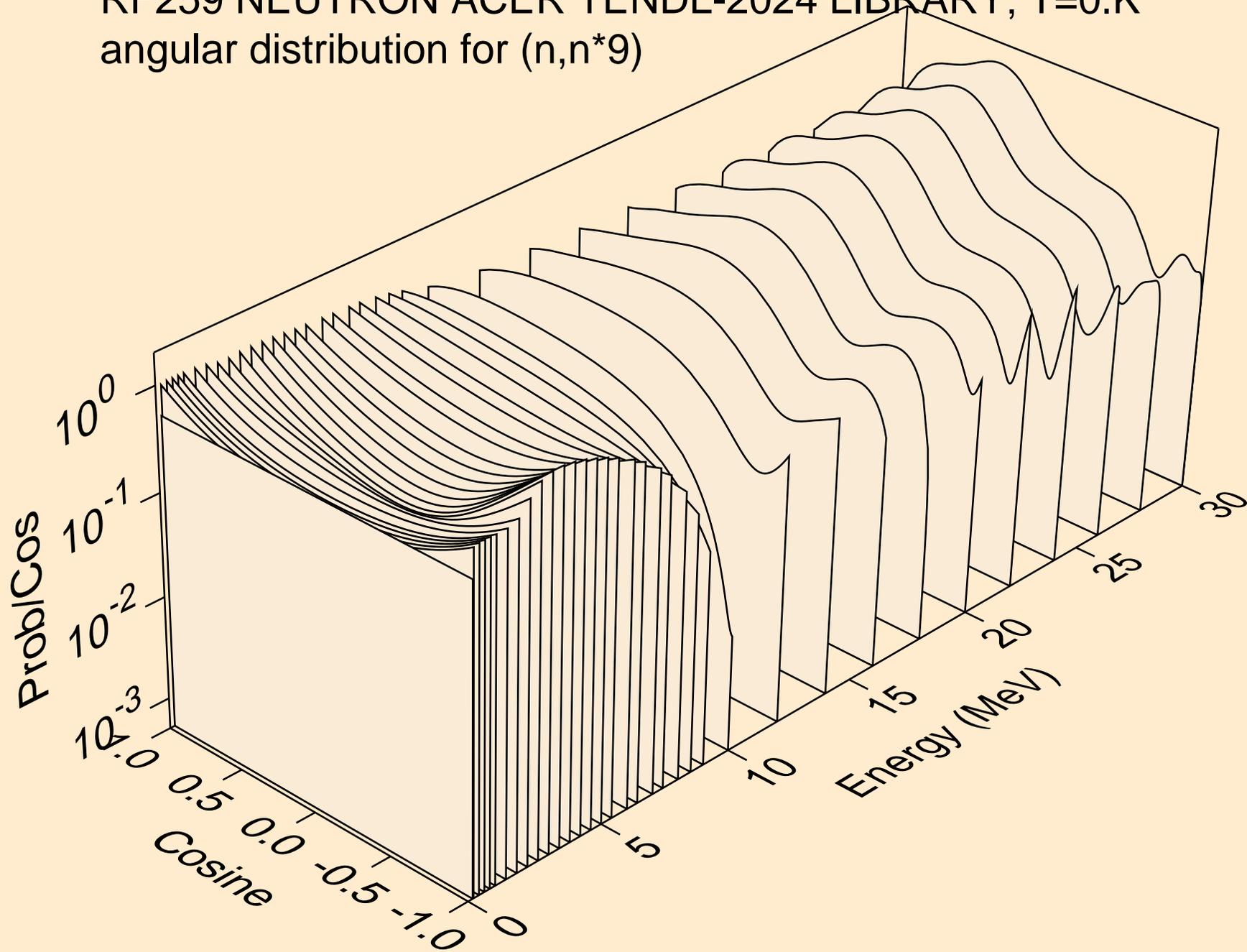
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angular distribution for (n,n\*7)



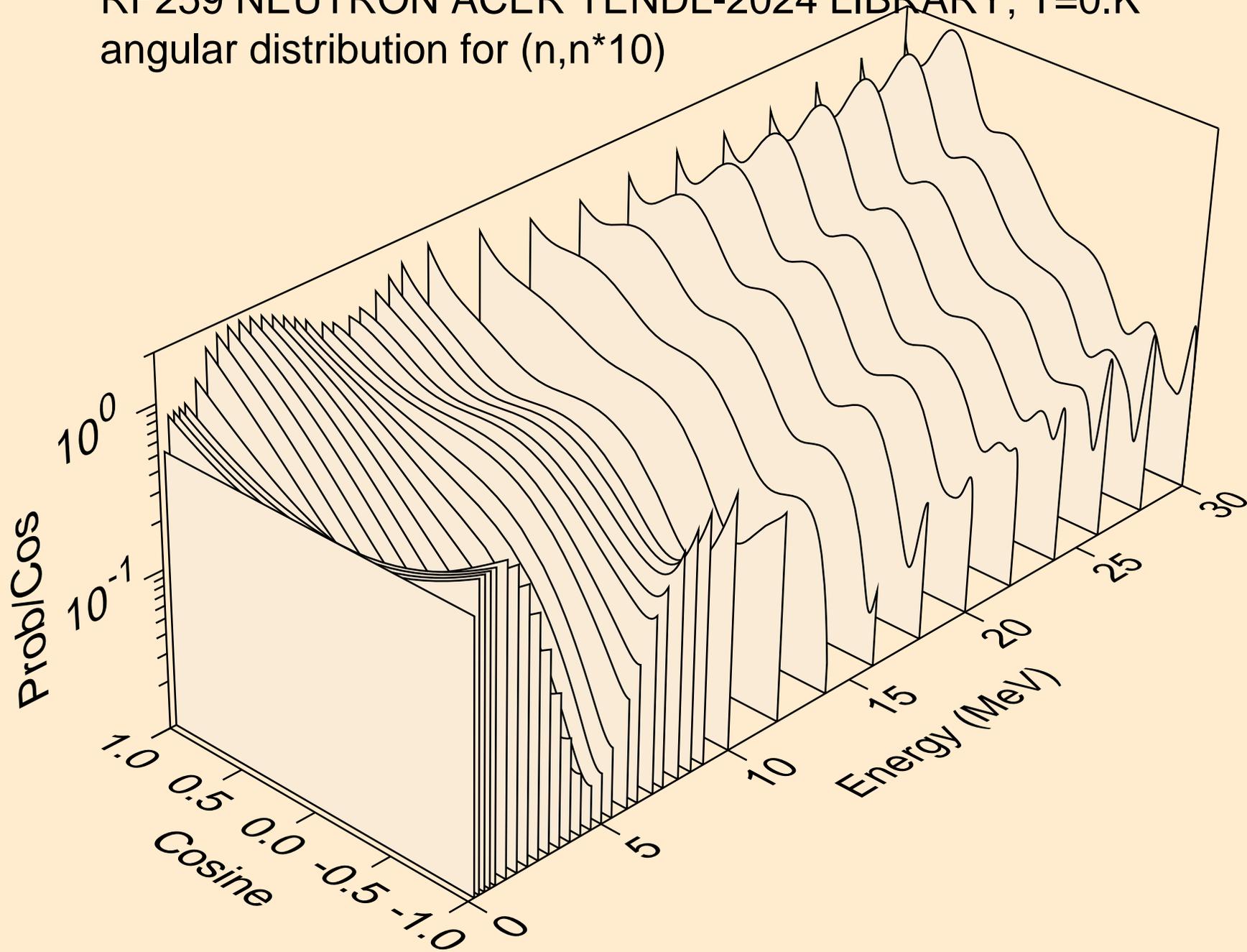
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angular distribution for (n,n\*8)



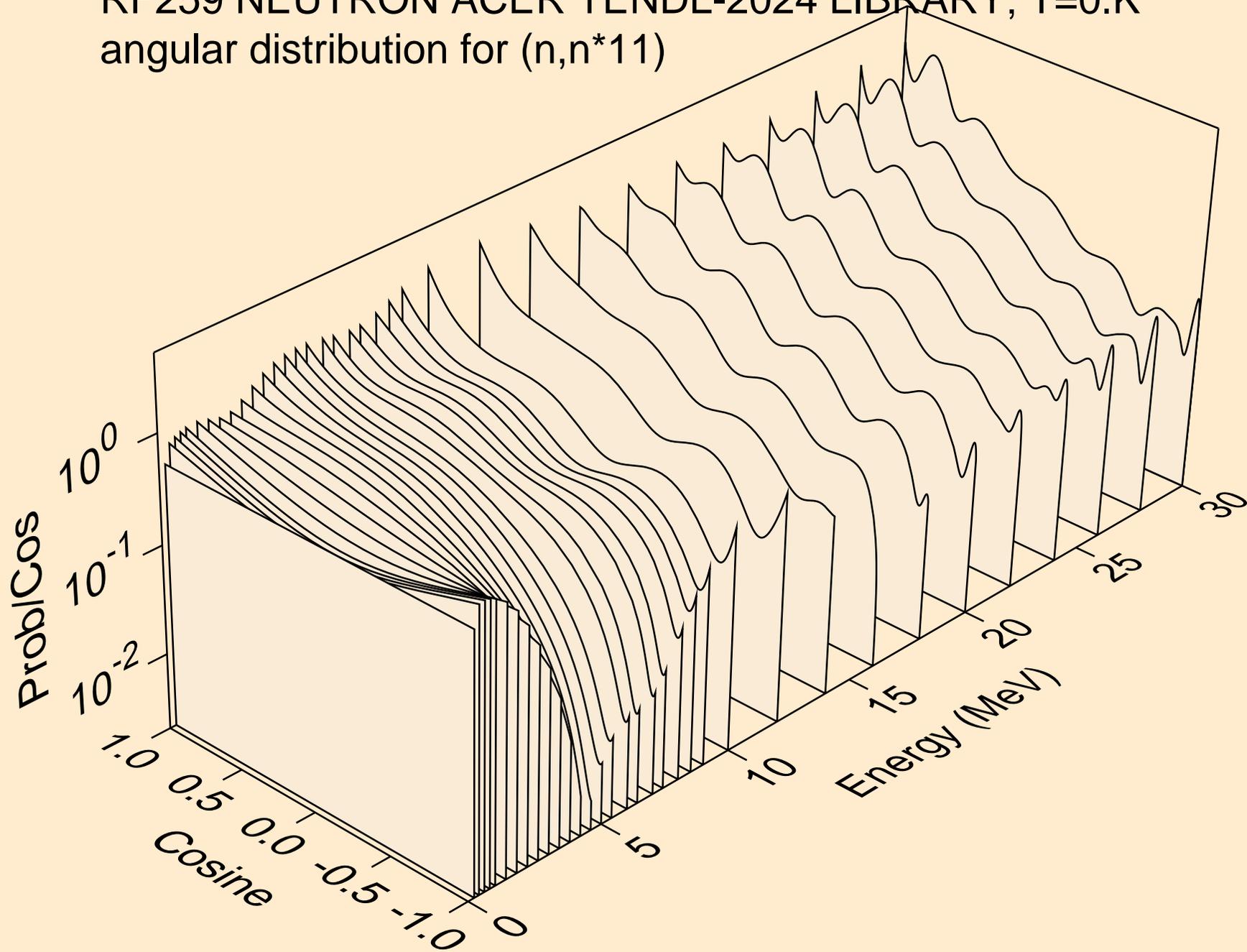
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angular distribution for (n,n\*9)



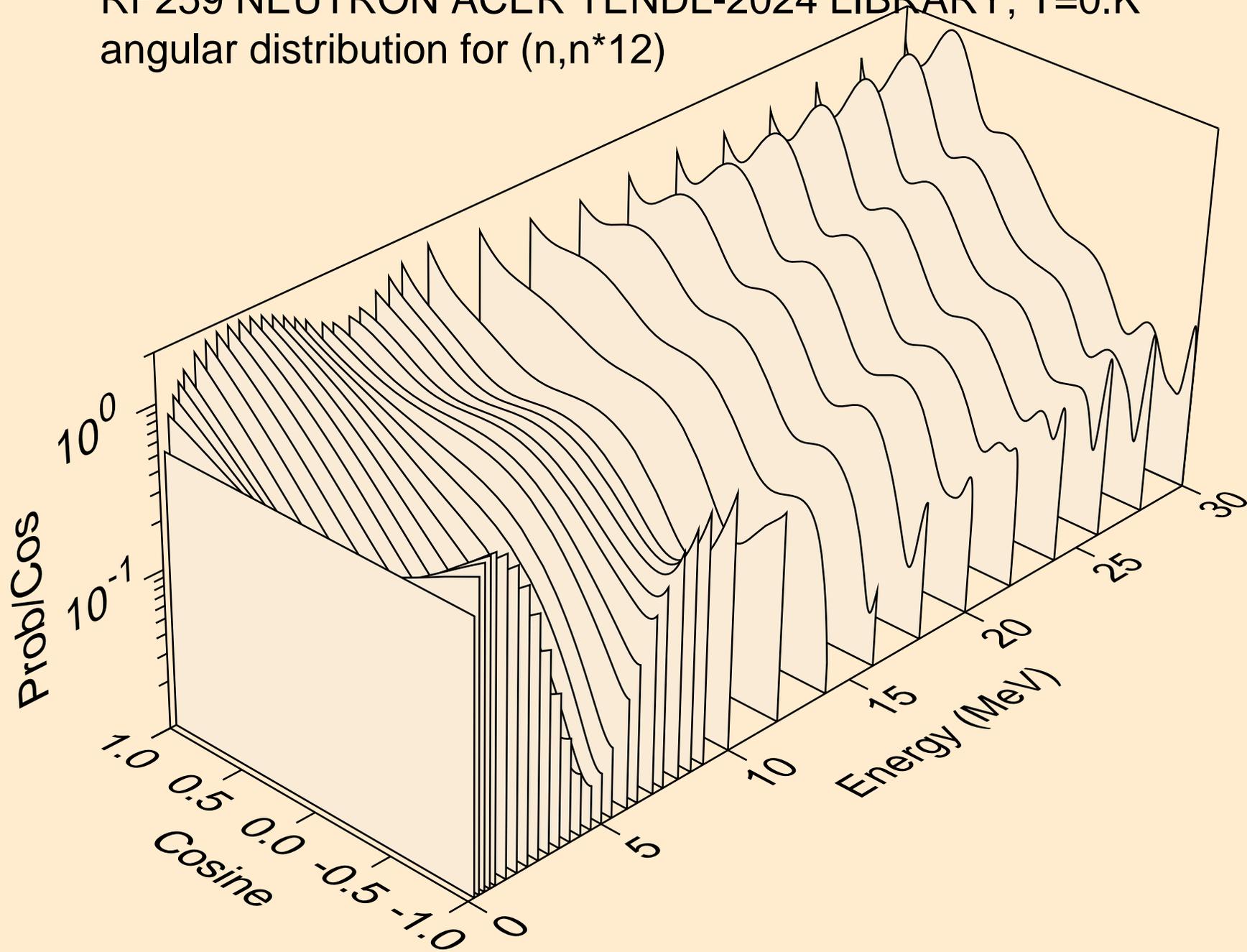
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angular distribution for (n,n\*10)



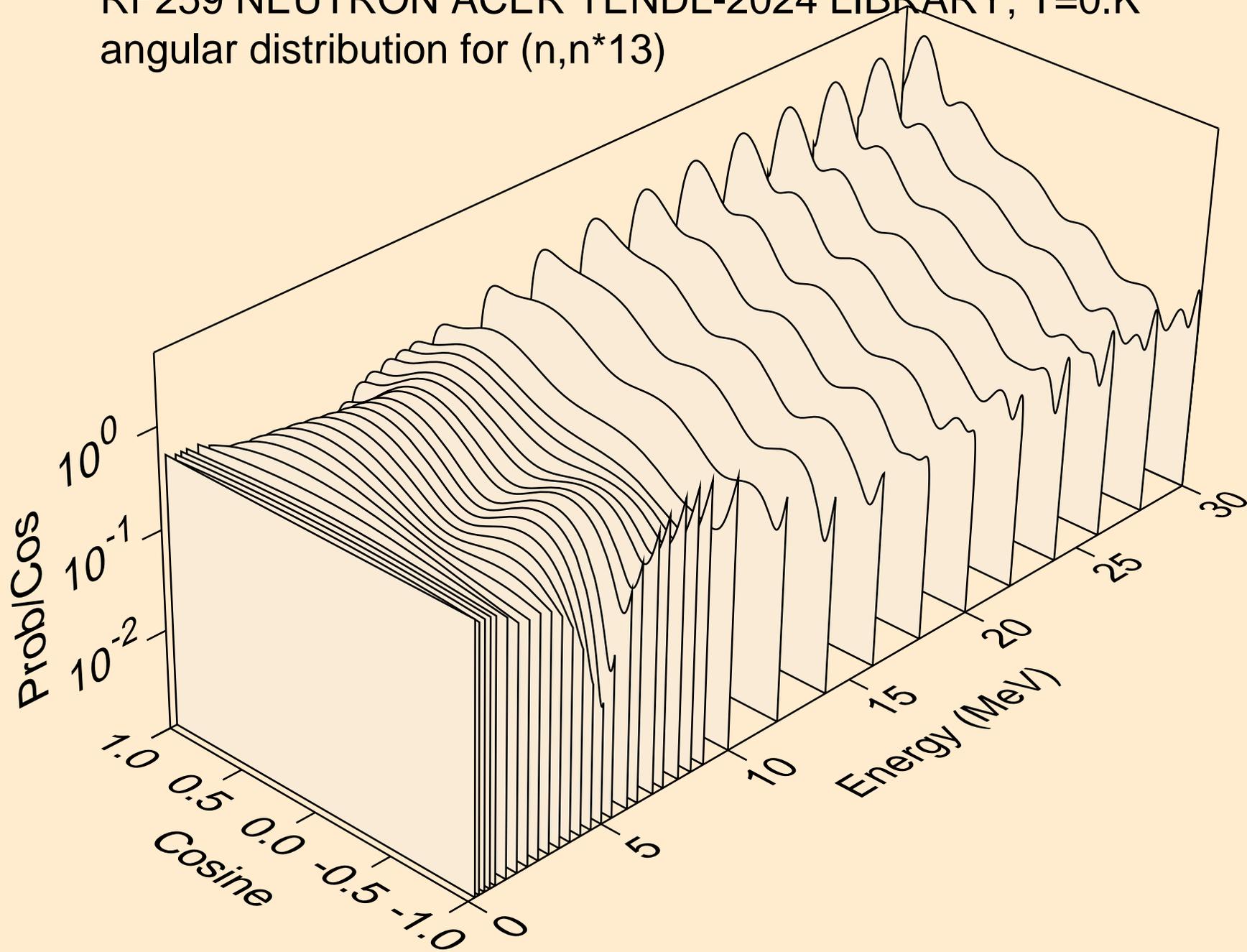
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angular distribution for (n,n\*11)



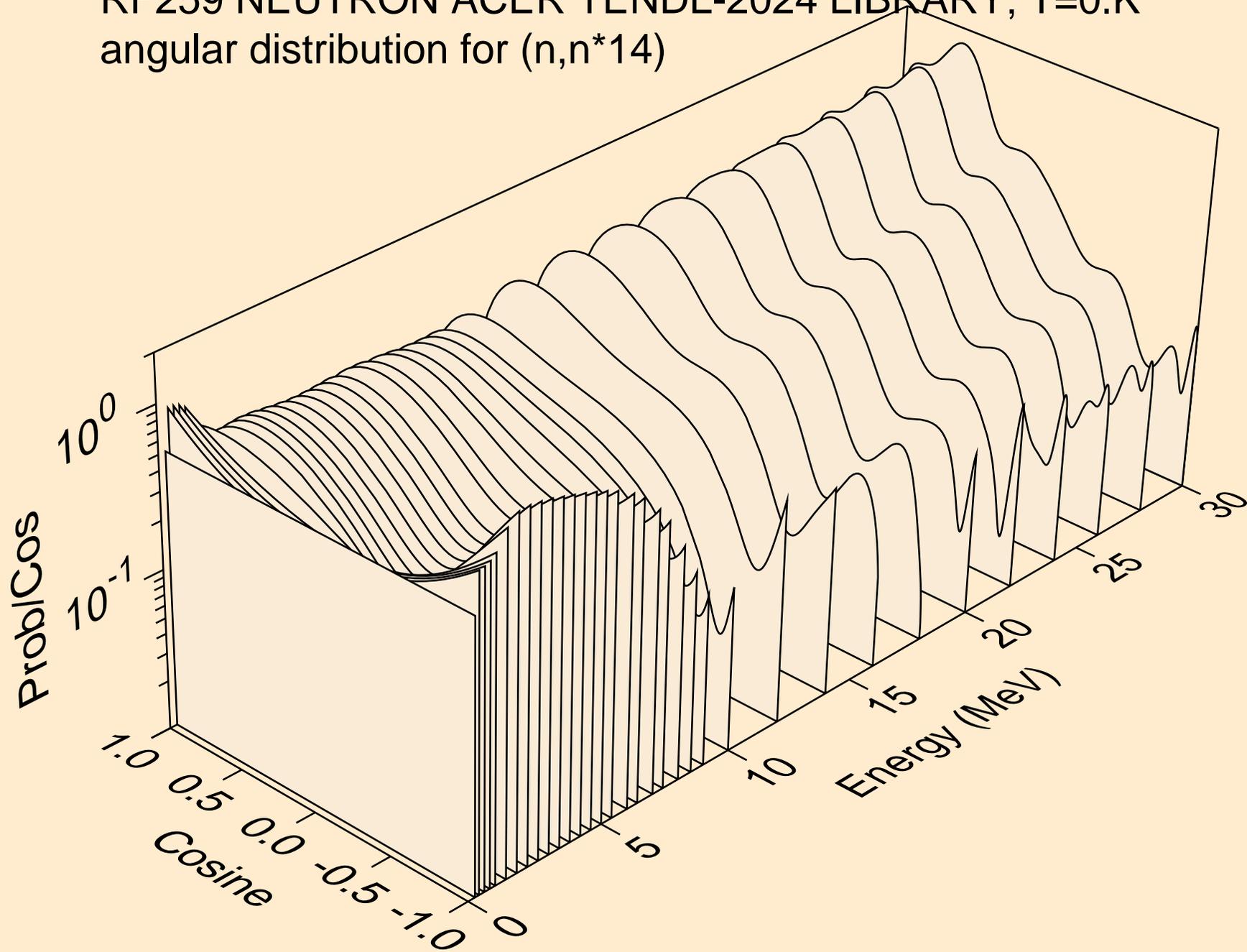
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angular distribution for (n,n\*12)



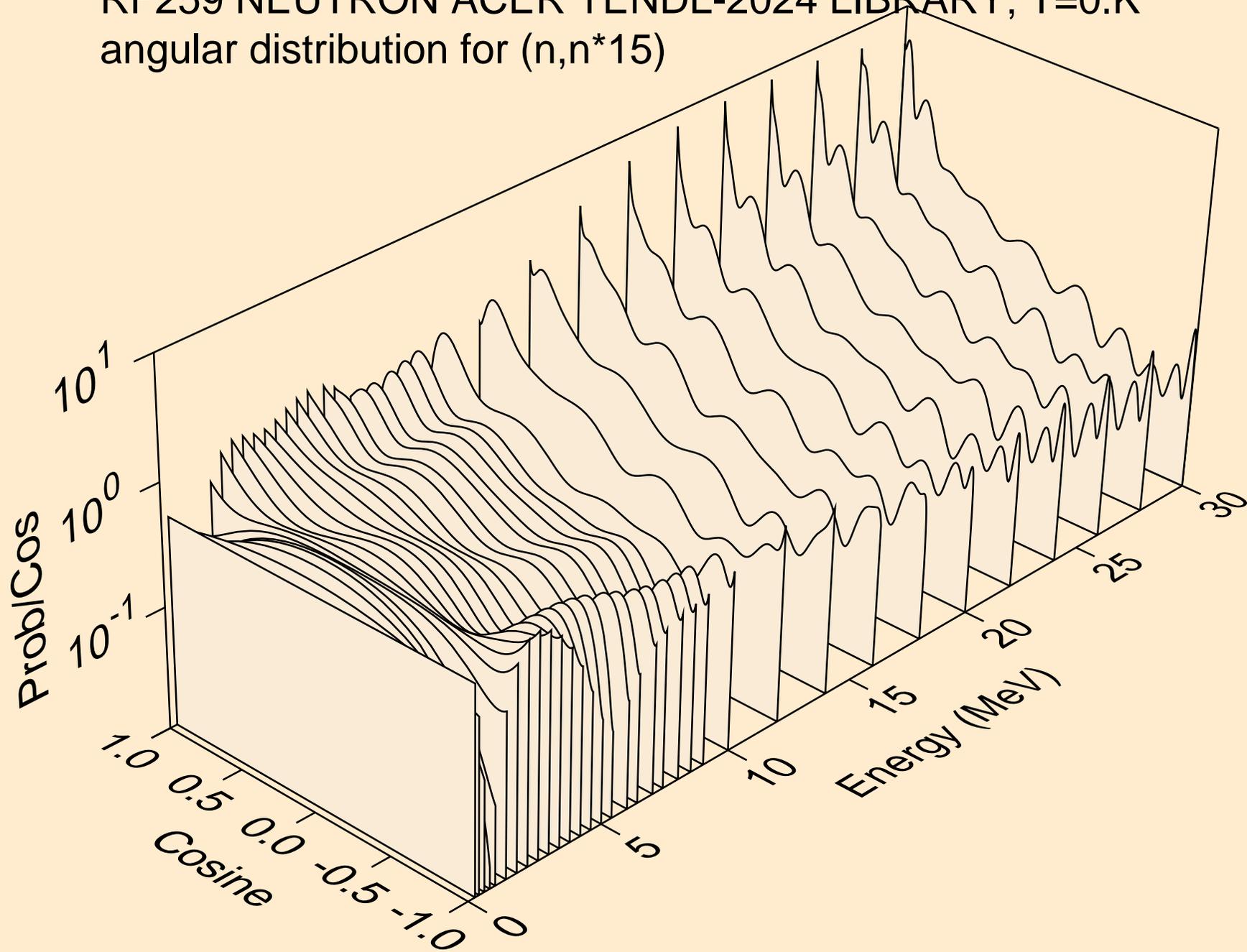
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angular distribution for (n,n\*13)



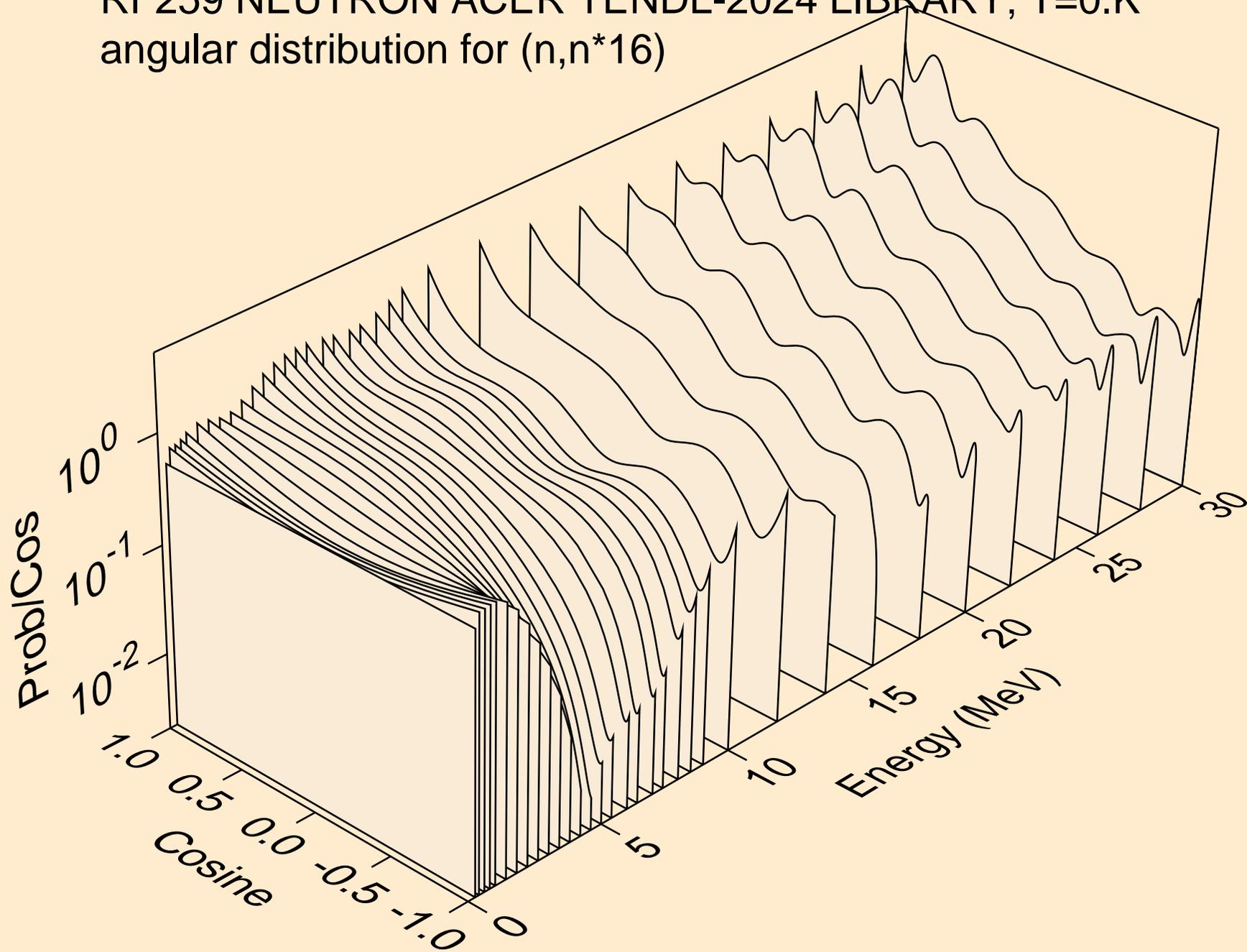
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angular distribution for (n,n\*14)



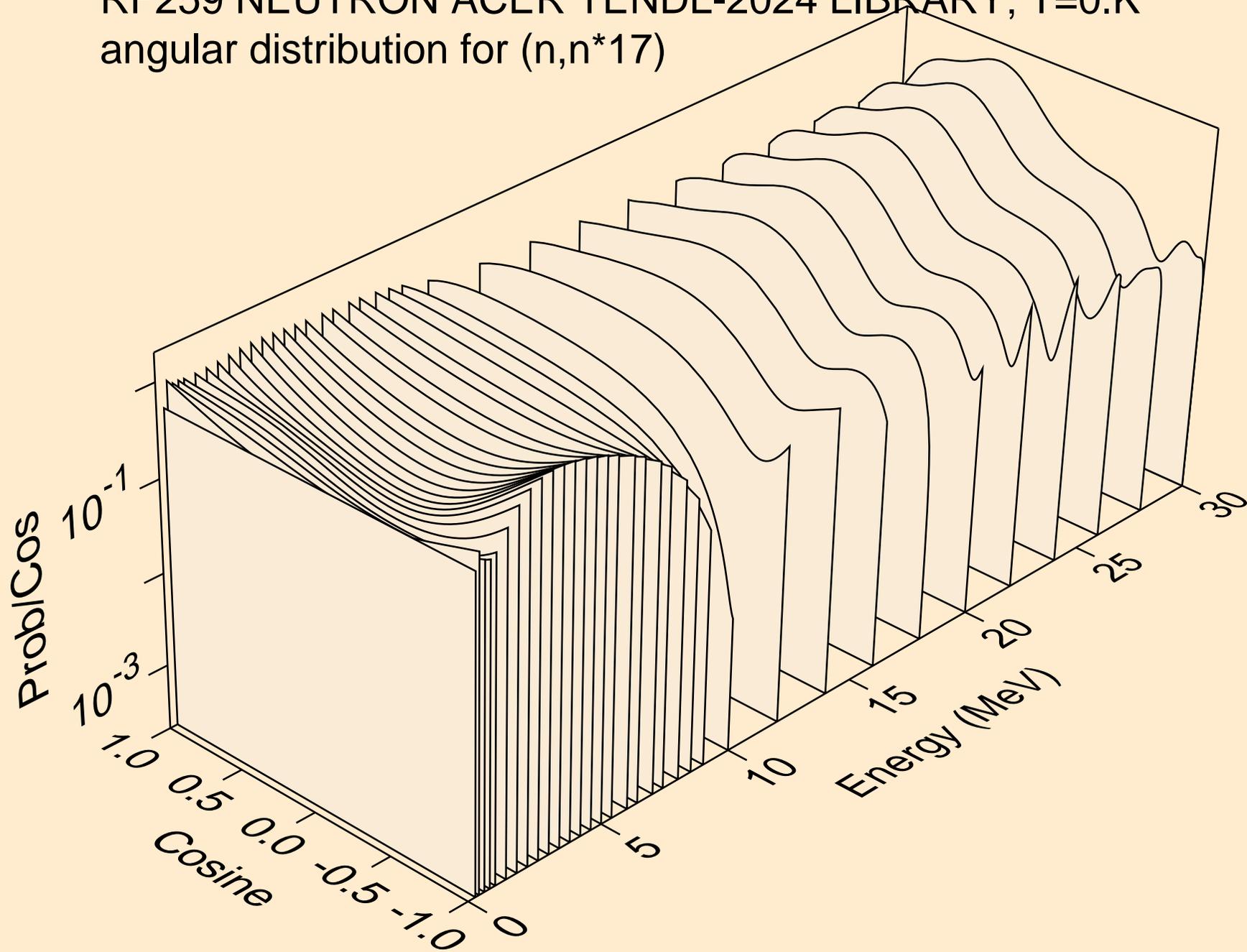
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angular distribution for (n,n\*15)



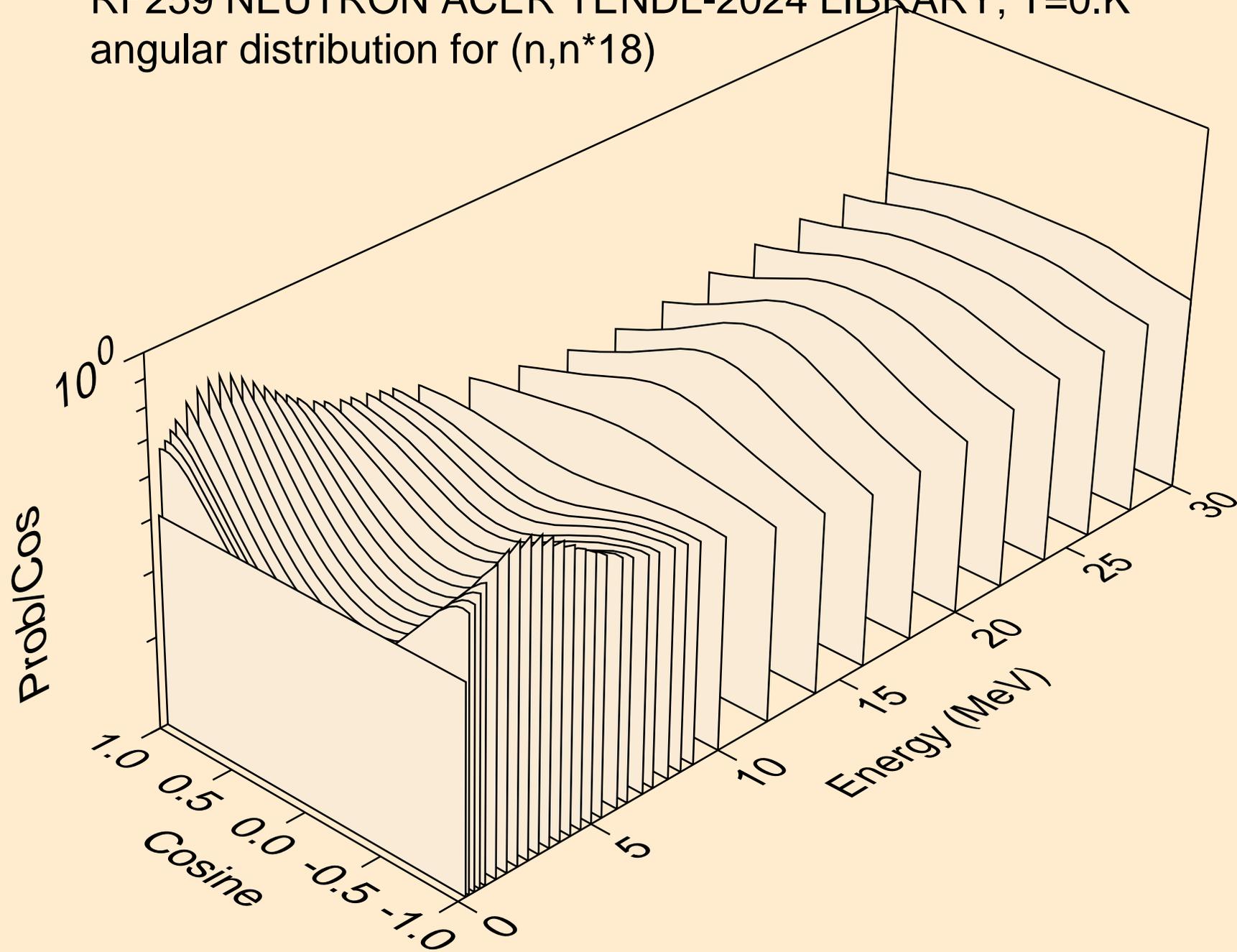
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angular distribution for (n,n\*16)



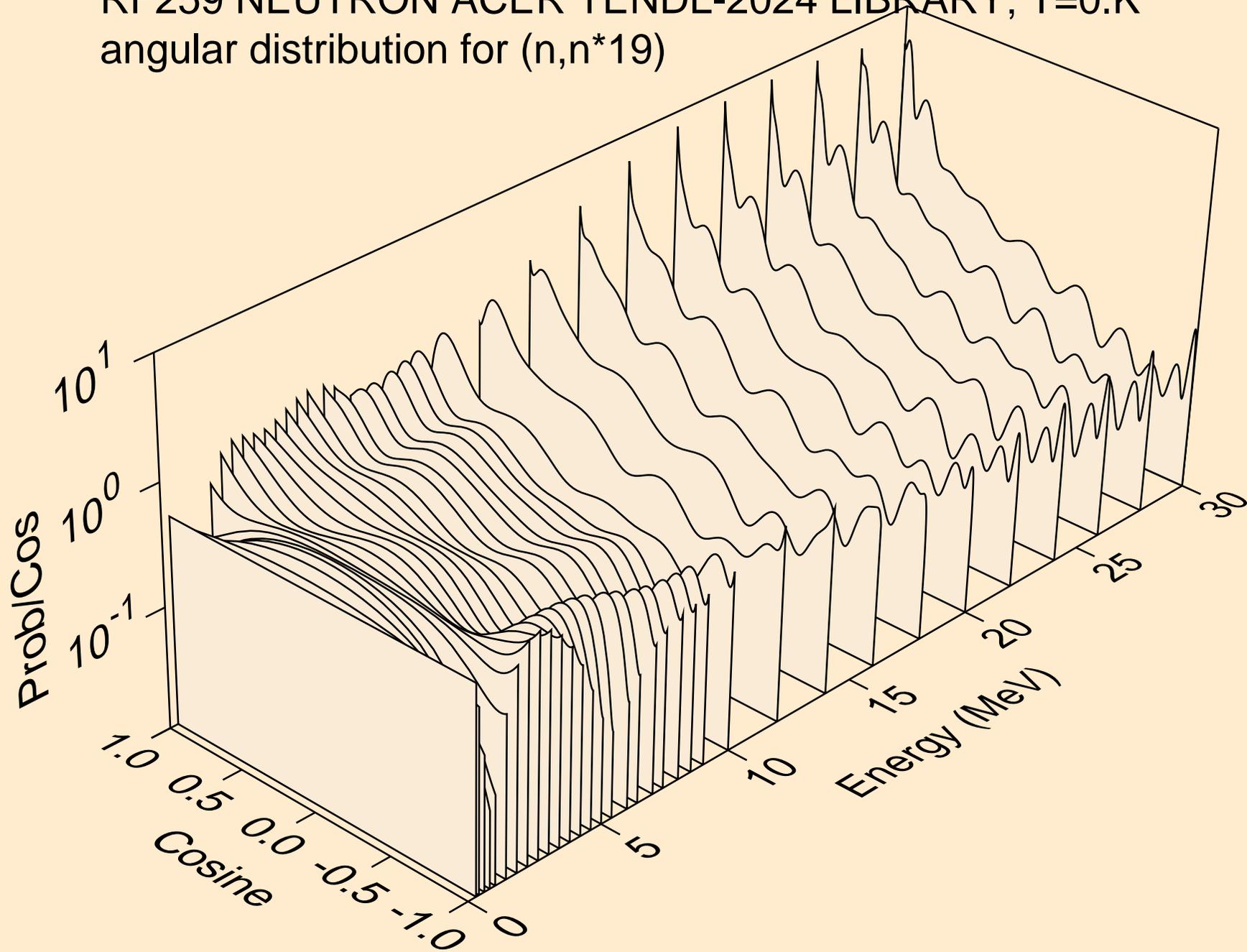
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angular distribution for (n,n\*17)



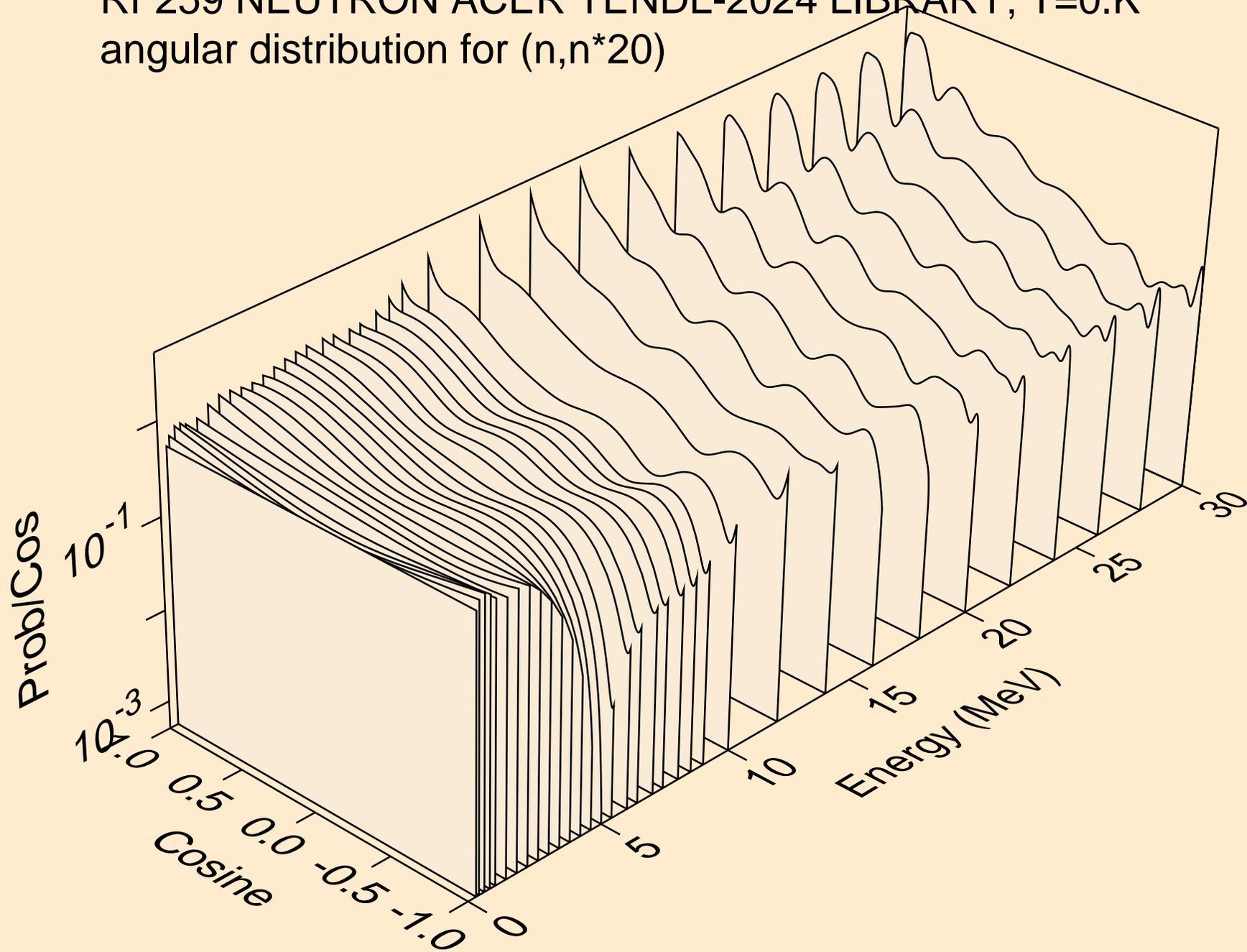
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angular distribution for (n,n\*18)



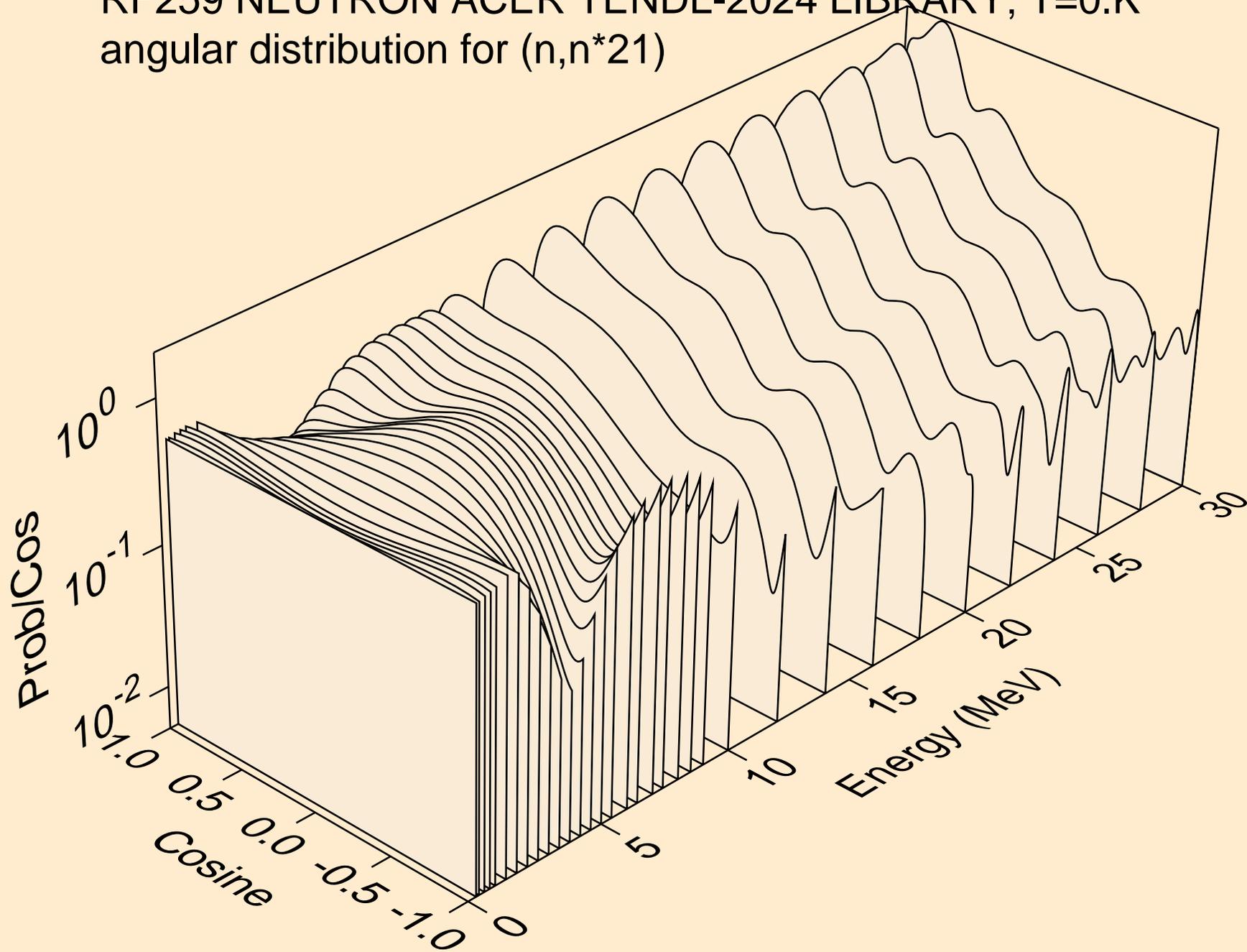
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angular distribution for (n,n\*19)



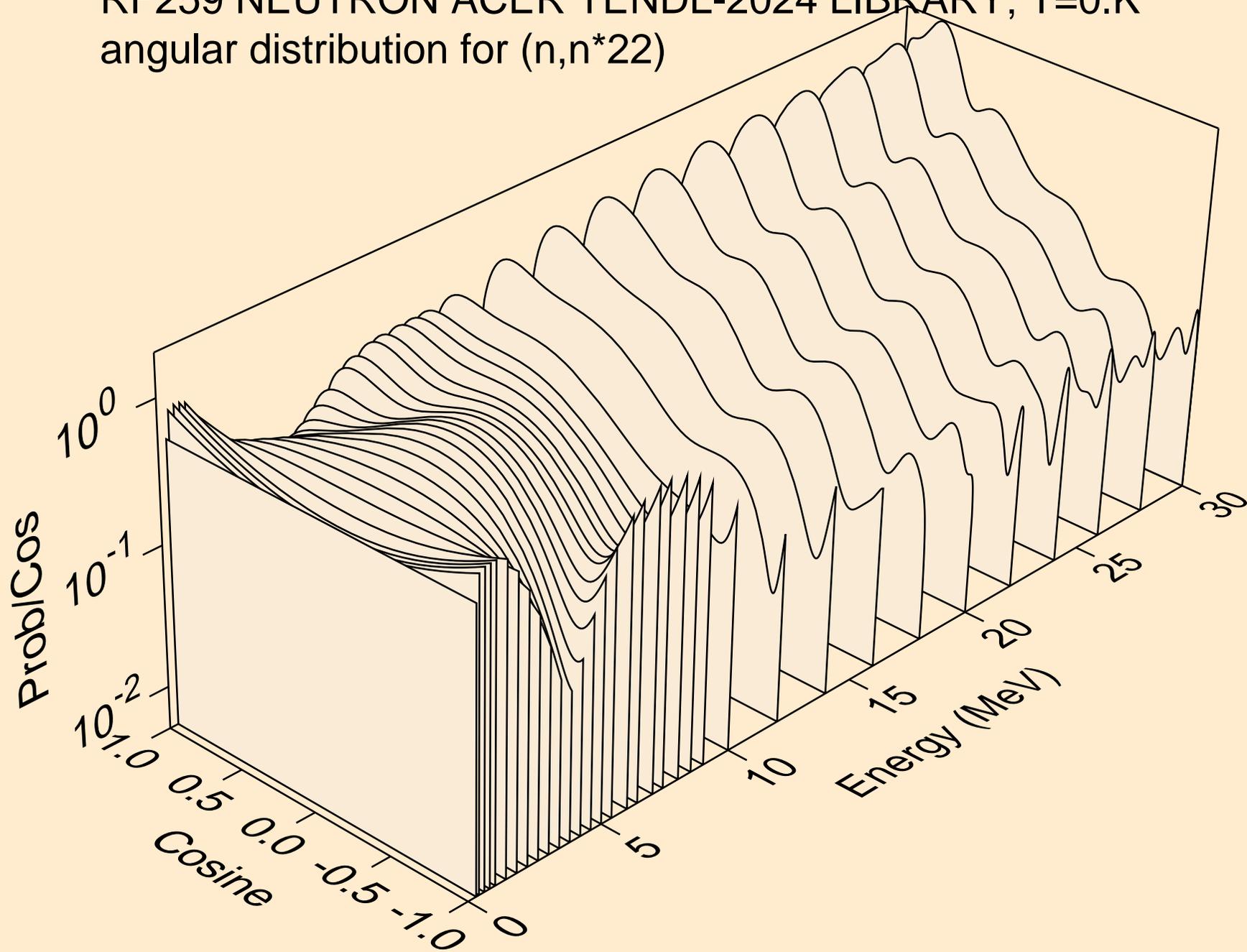
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angular distribution for (n,n\*20)



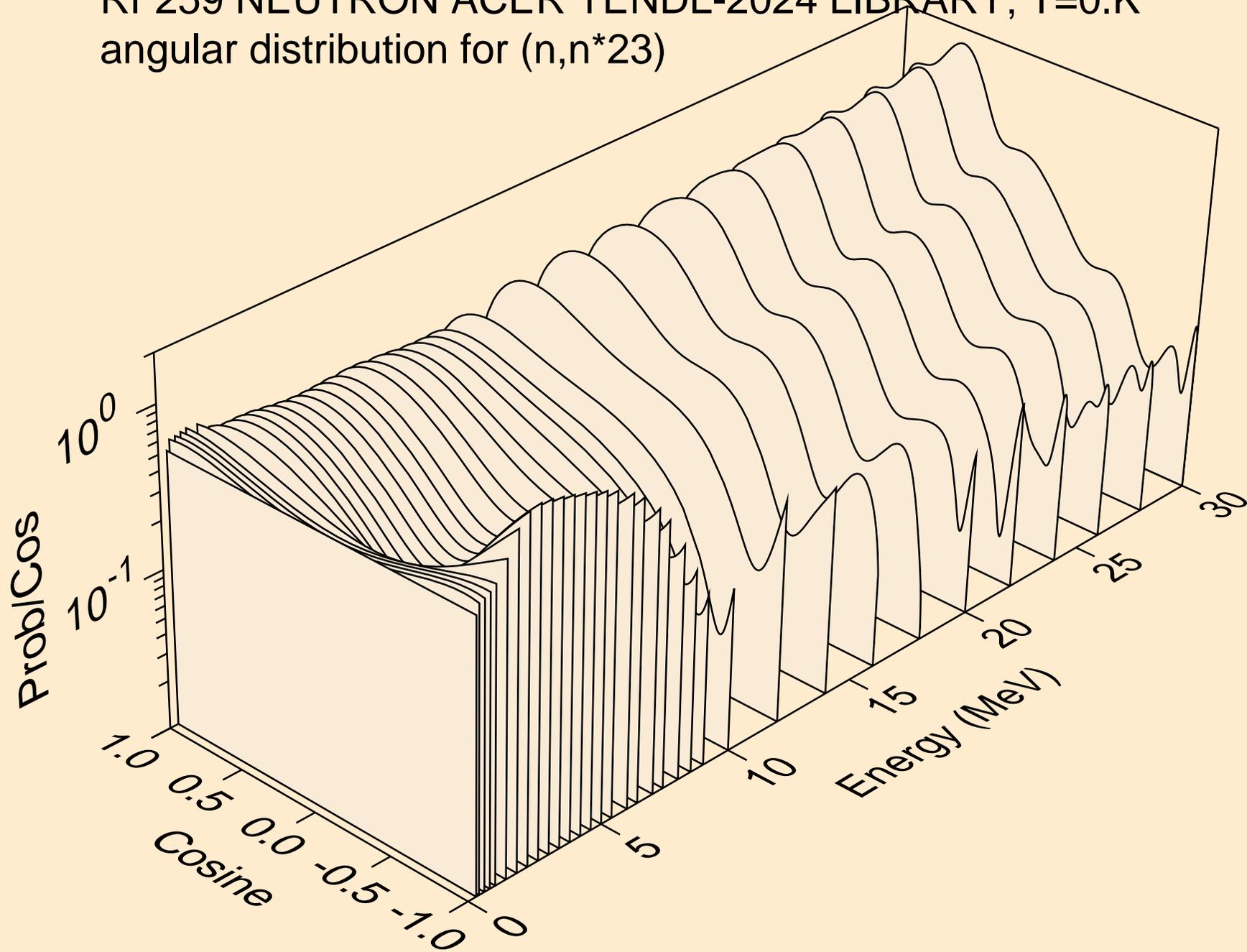
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angular distribution for (n,n\*21)



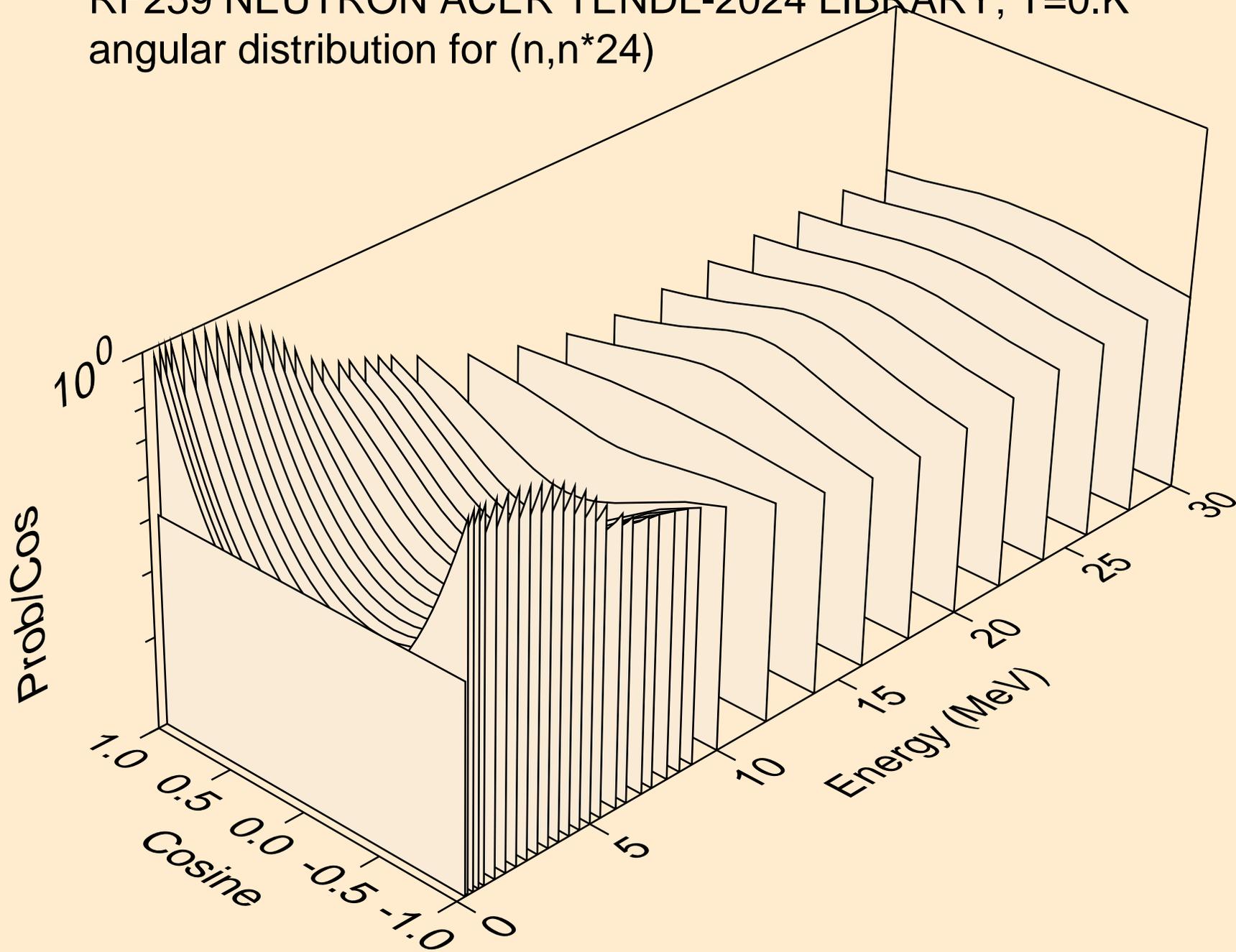
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angular distribution for (n,n\*22)



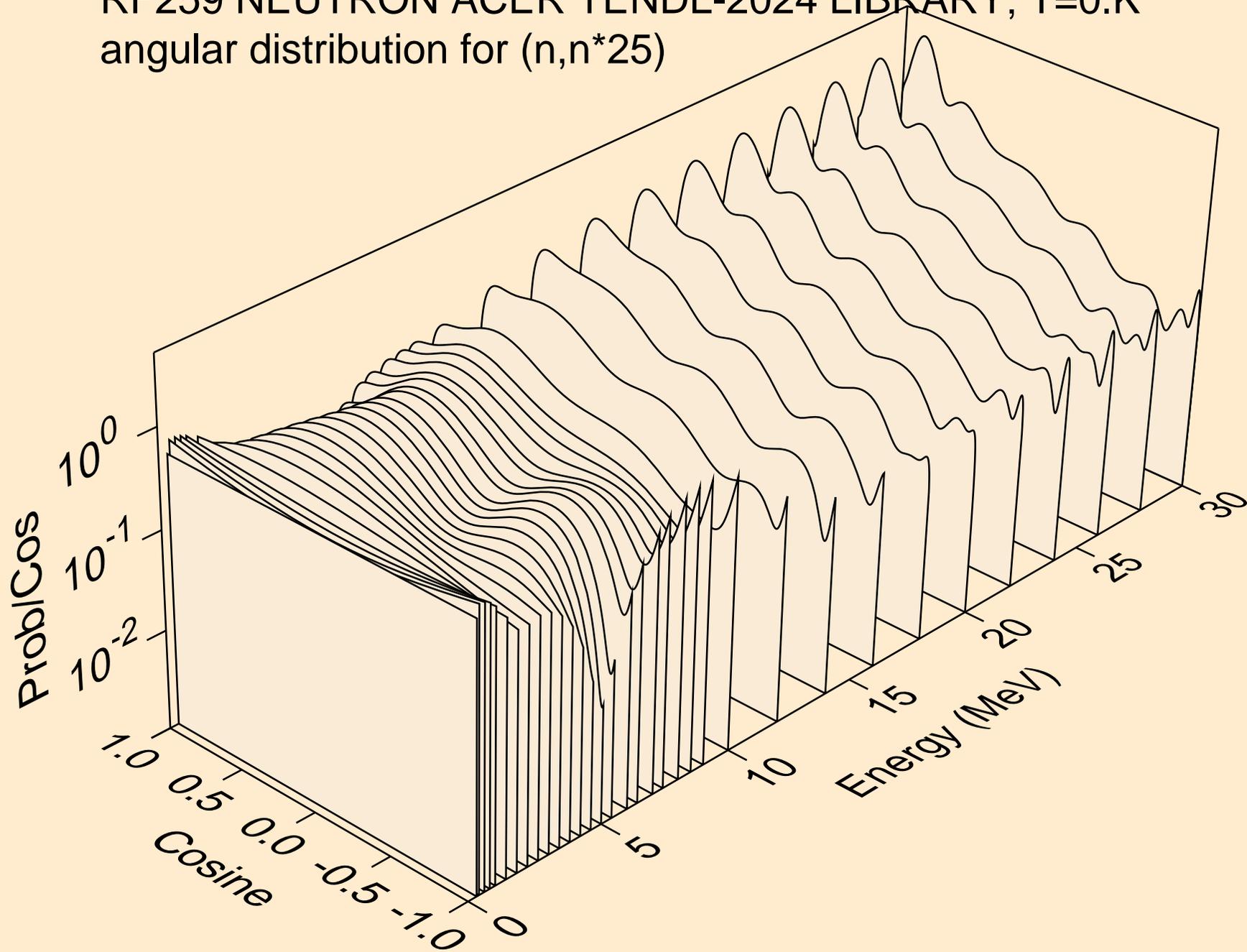
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angular distribution for (n,n\*23)



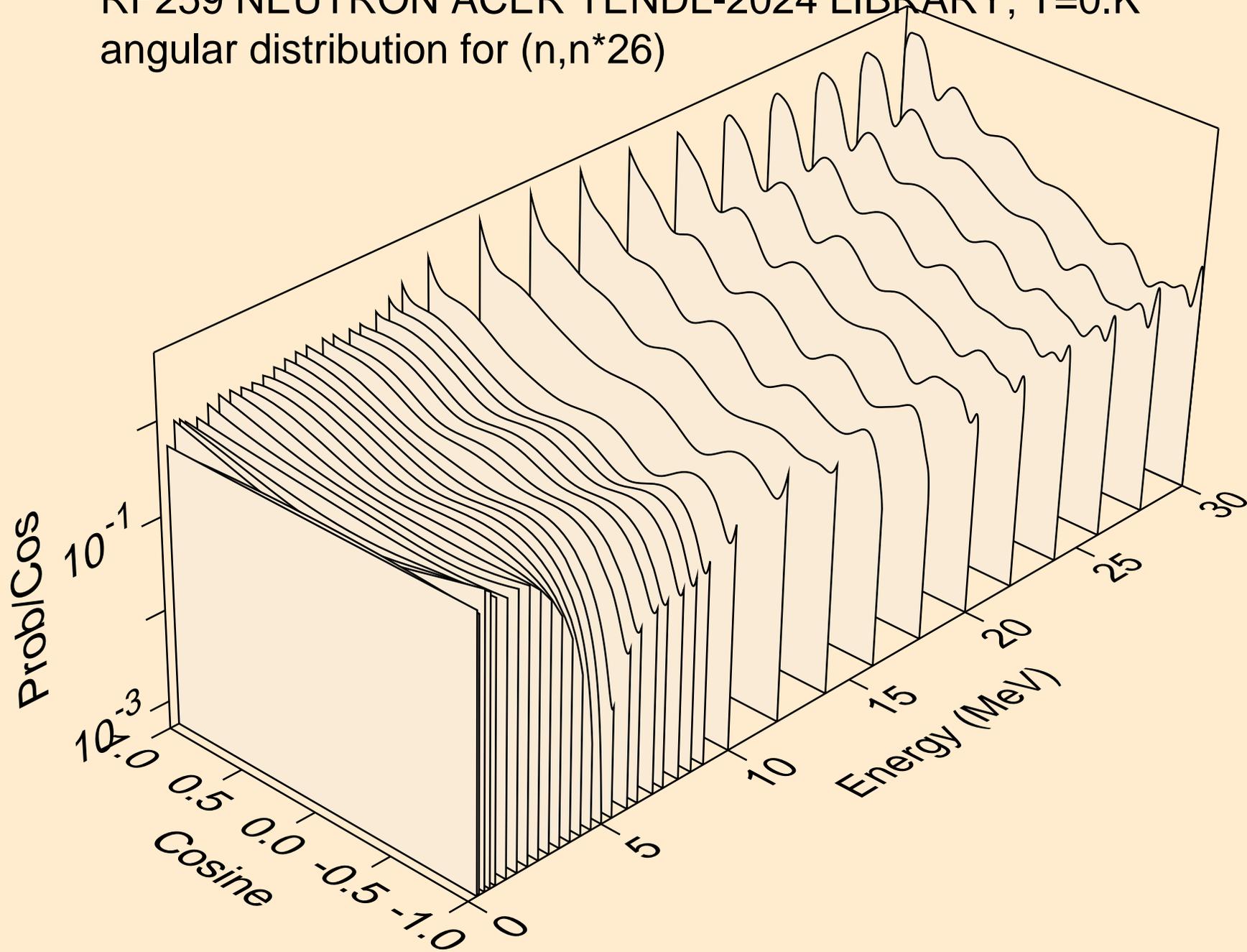
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

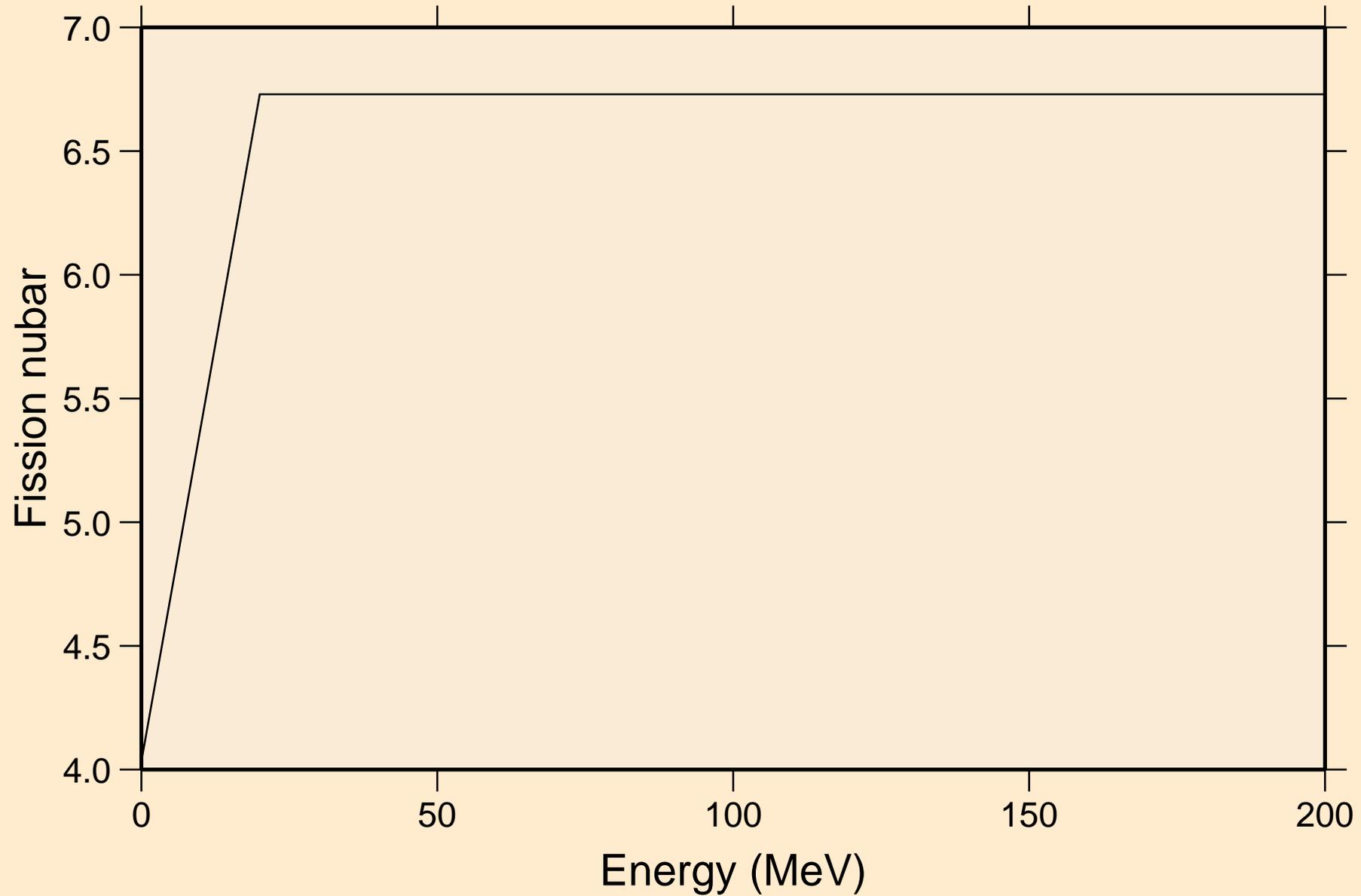


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angular distribution for (n,n\*26)

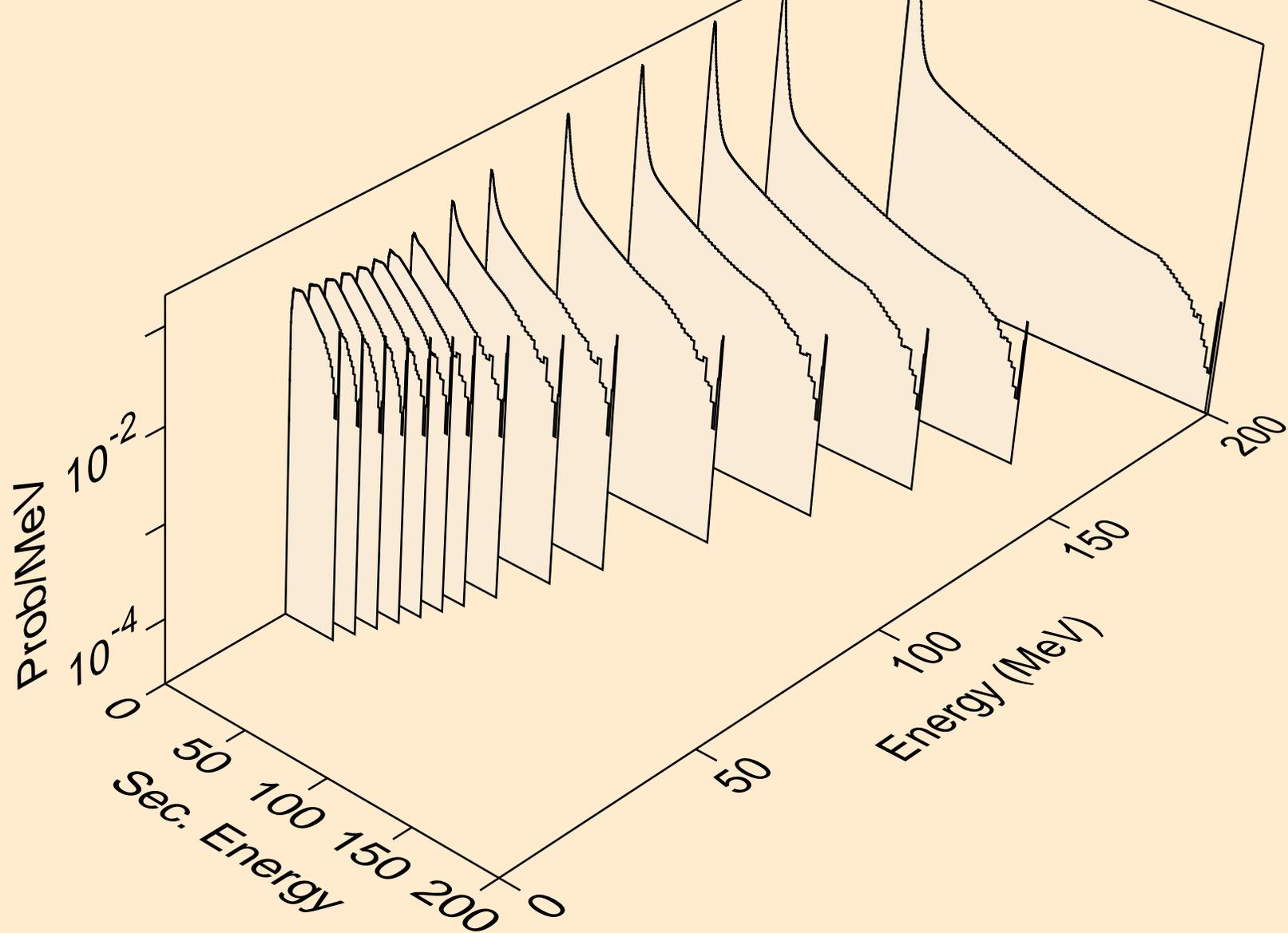


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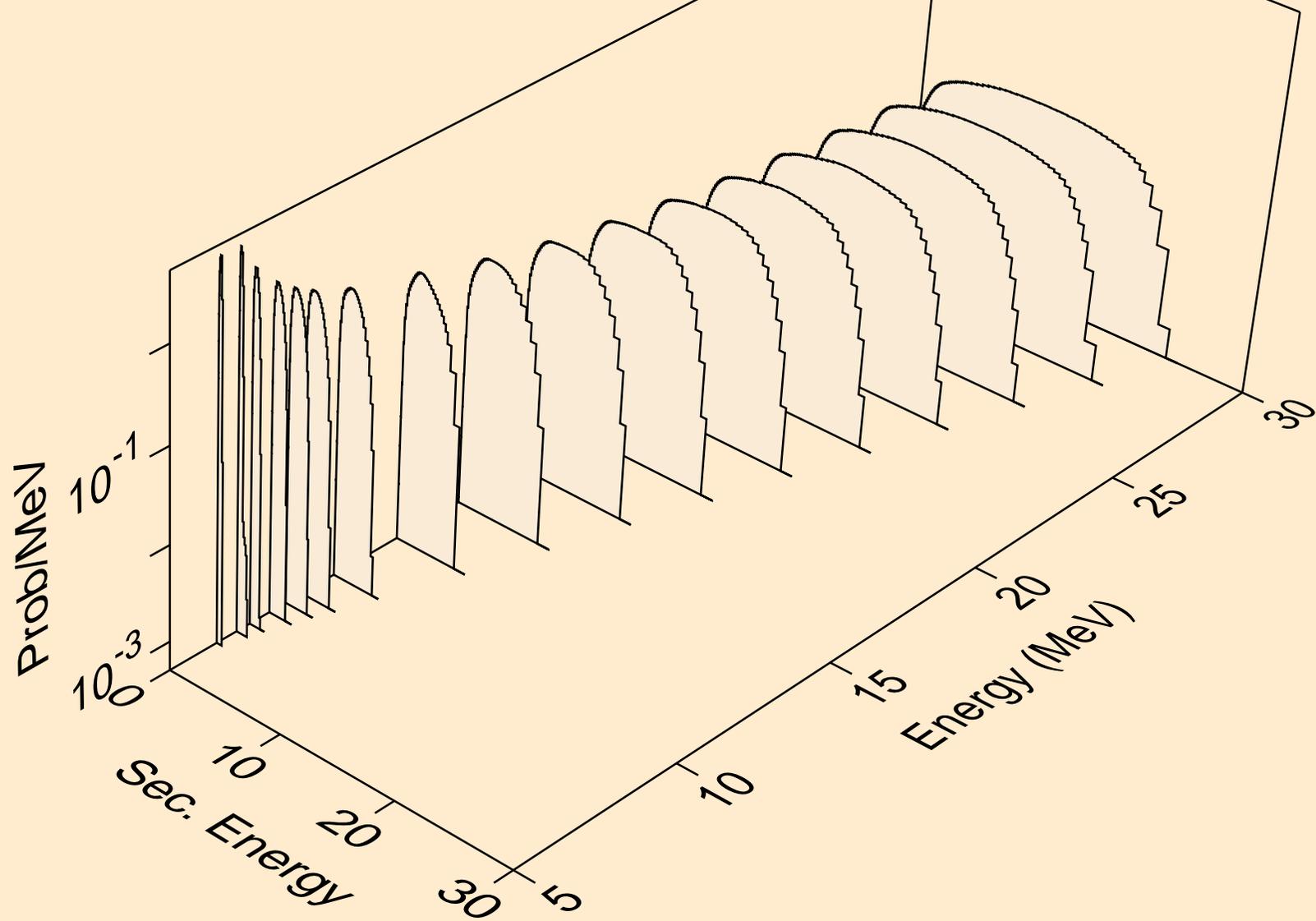
Total fission nubar



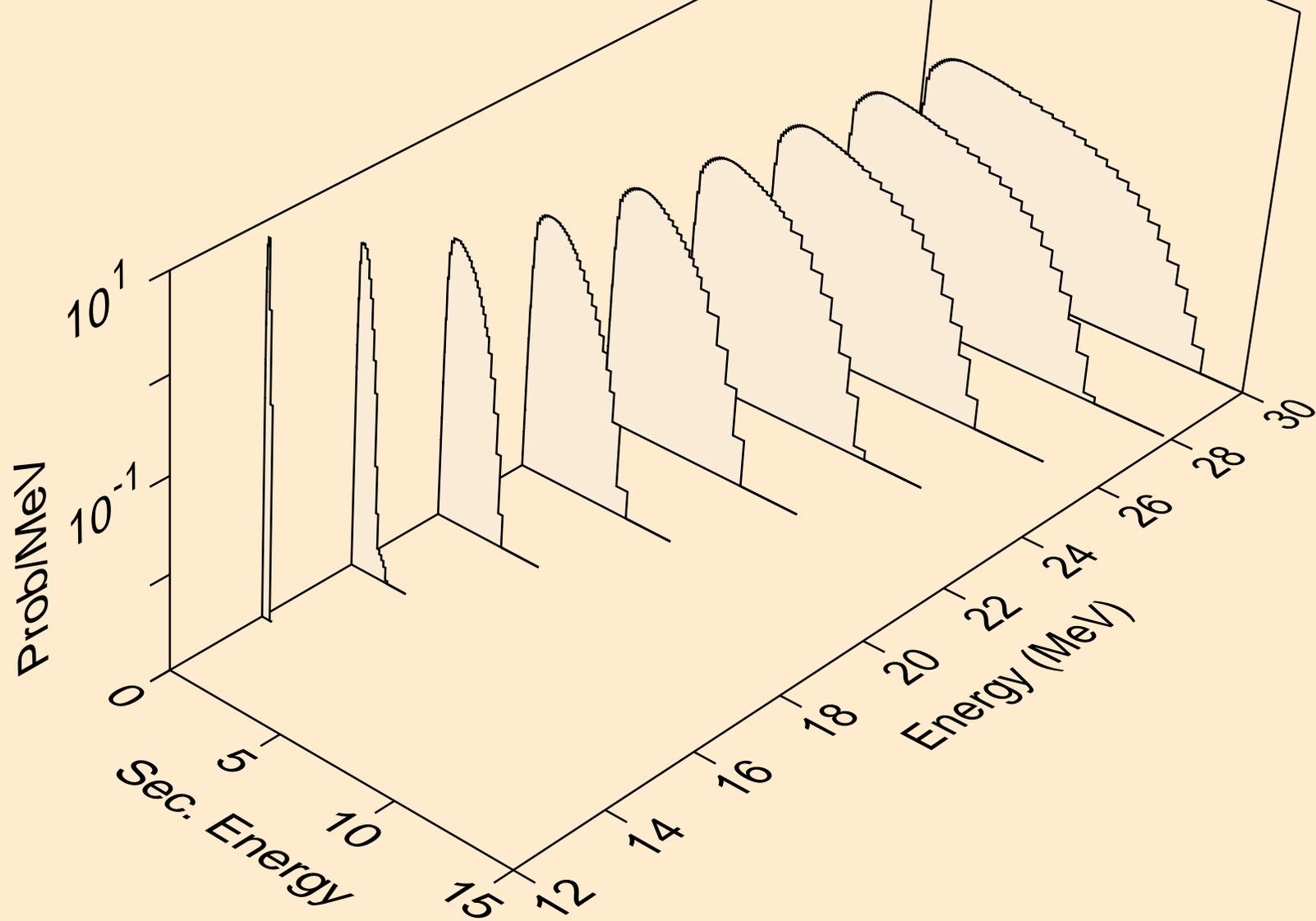
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Neutron emission for (n,x)



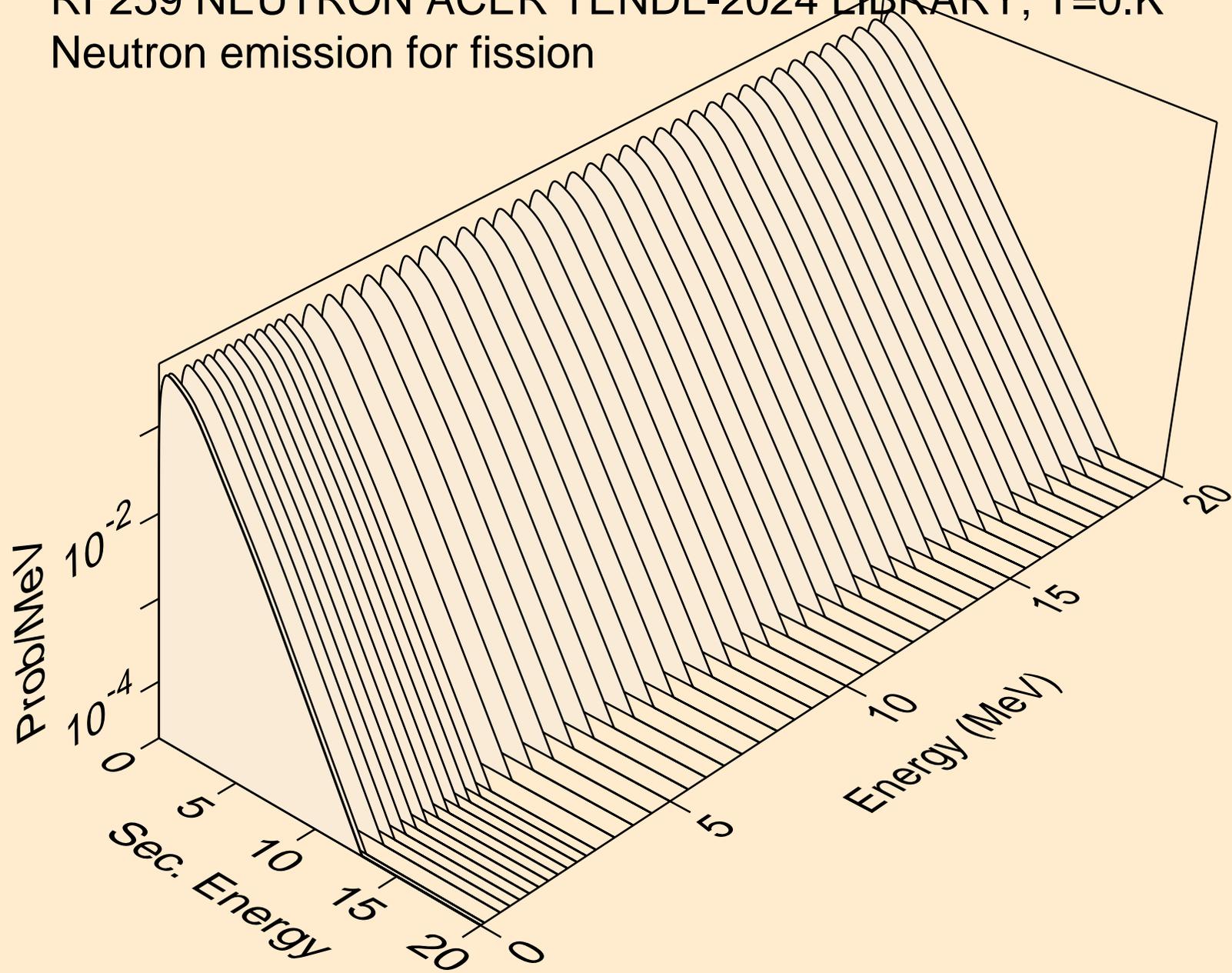
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



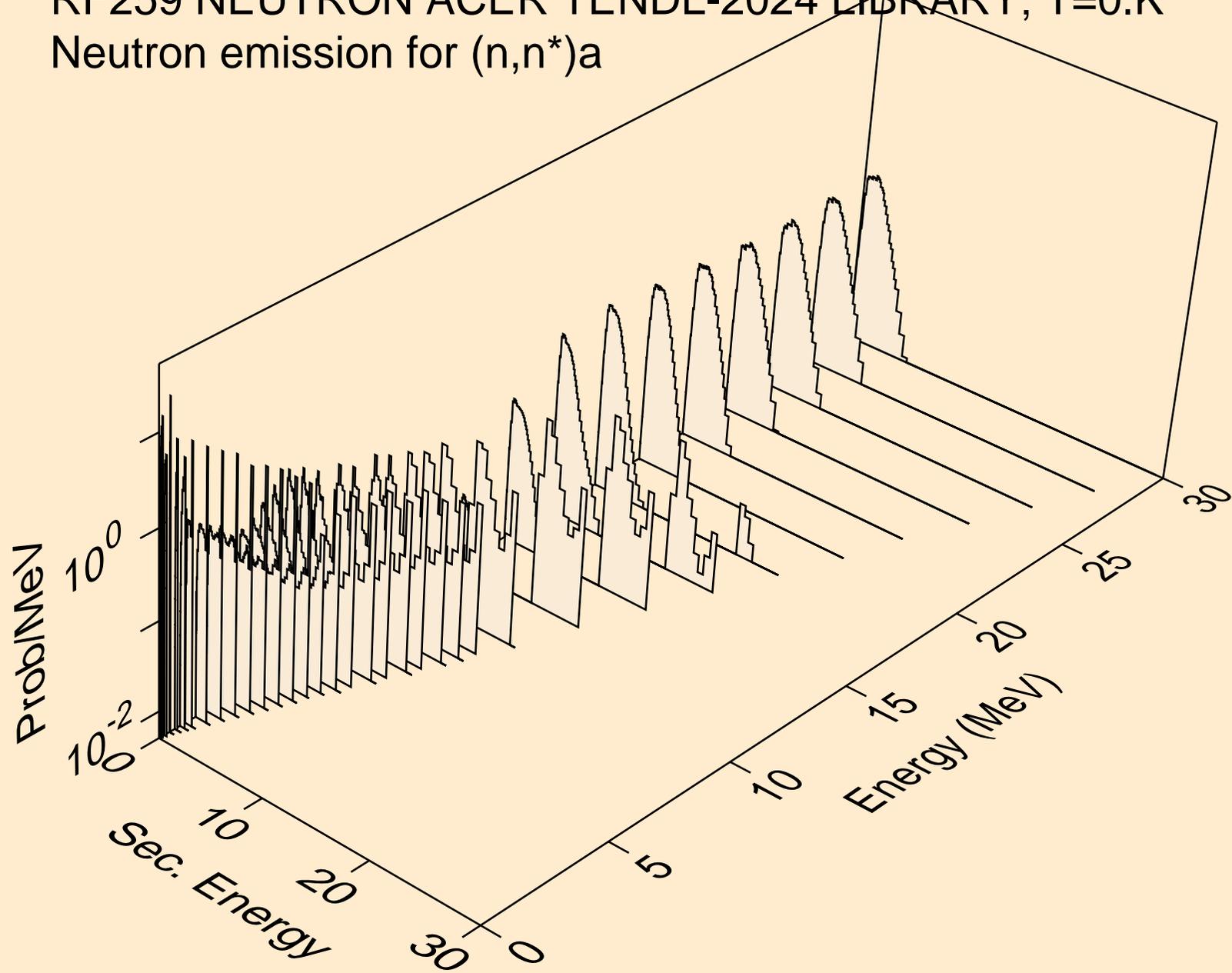
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



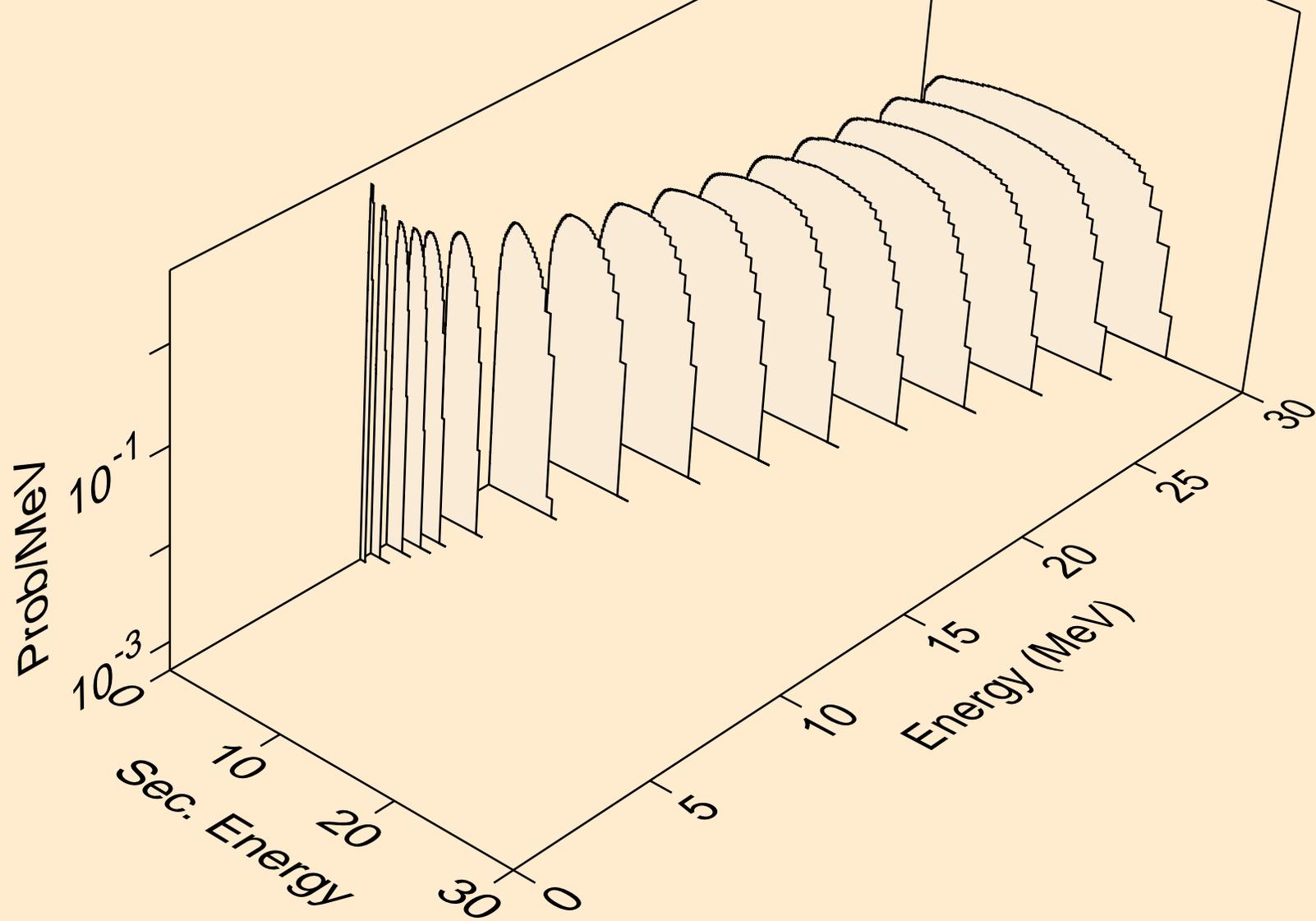
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission



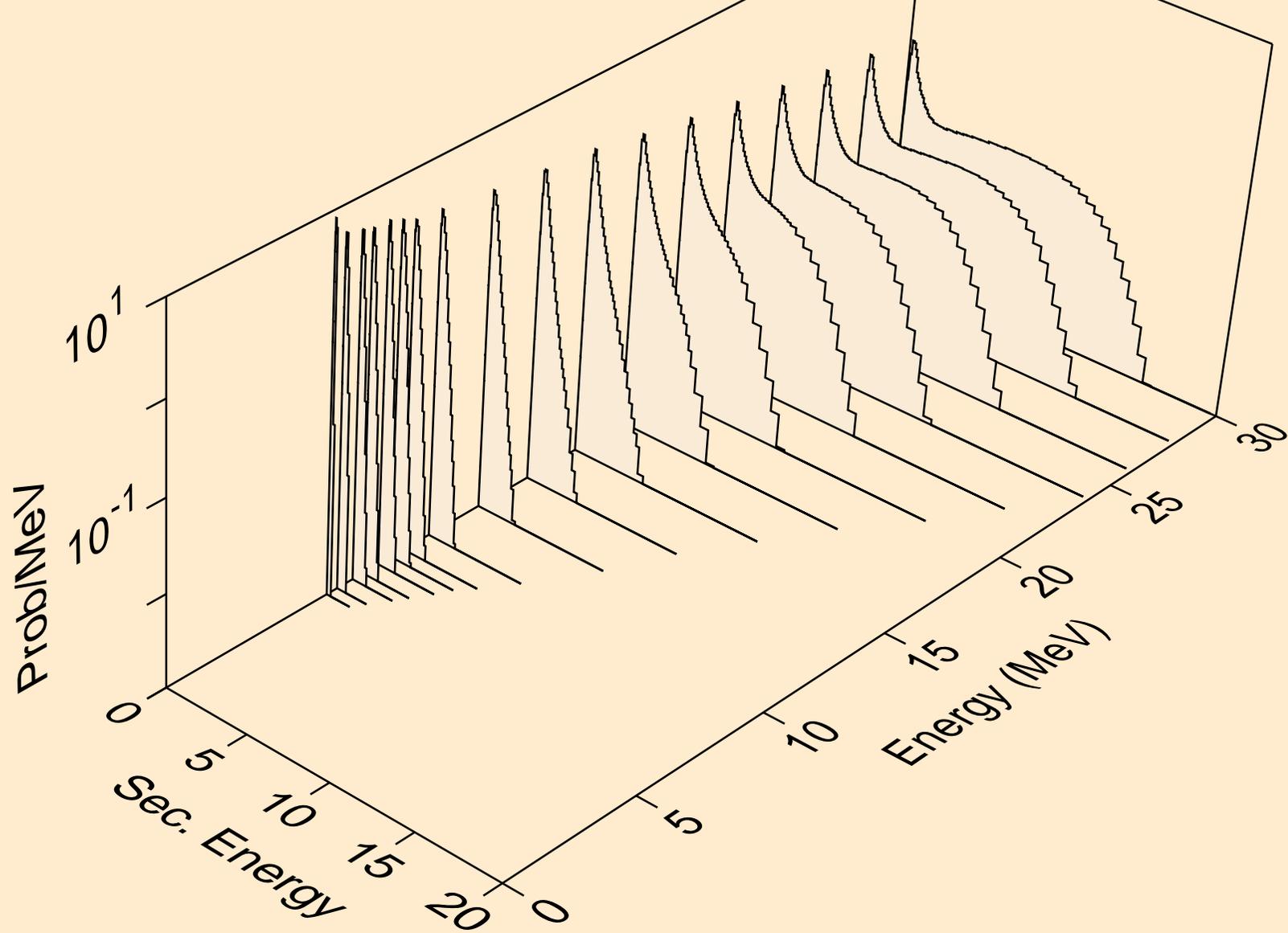
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



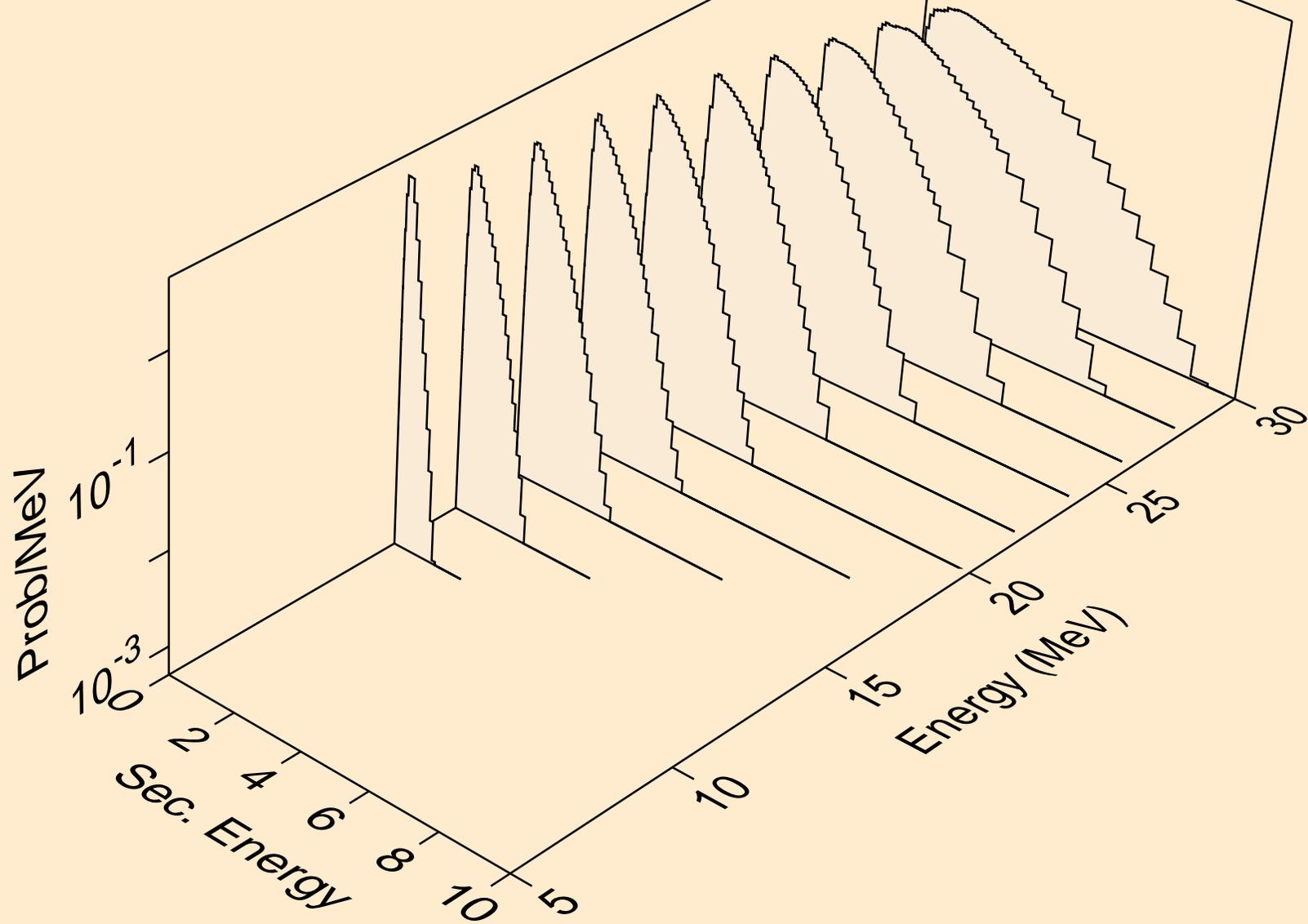
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Neutron emission for (n,2n)a



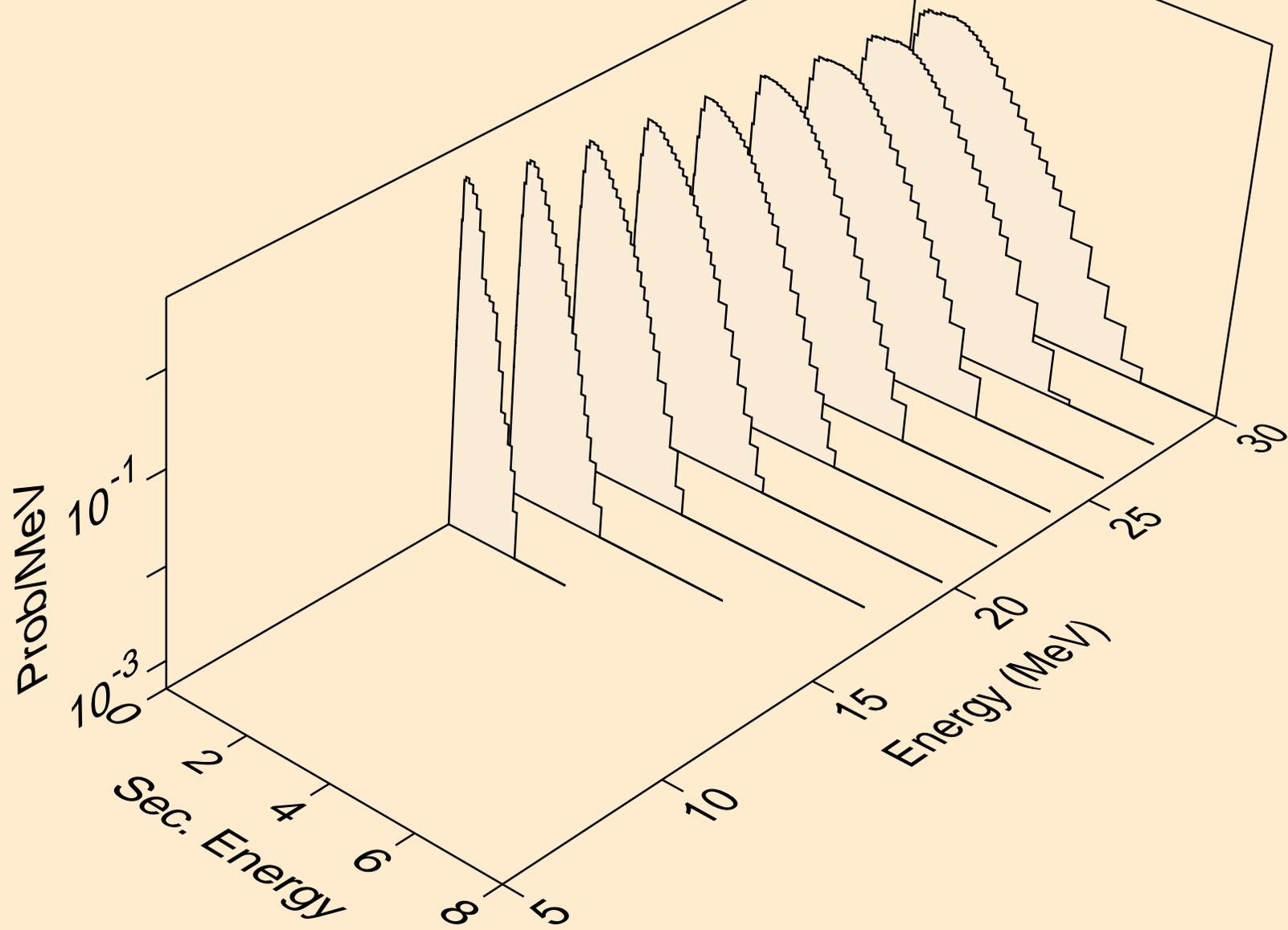
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



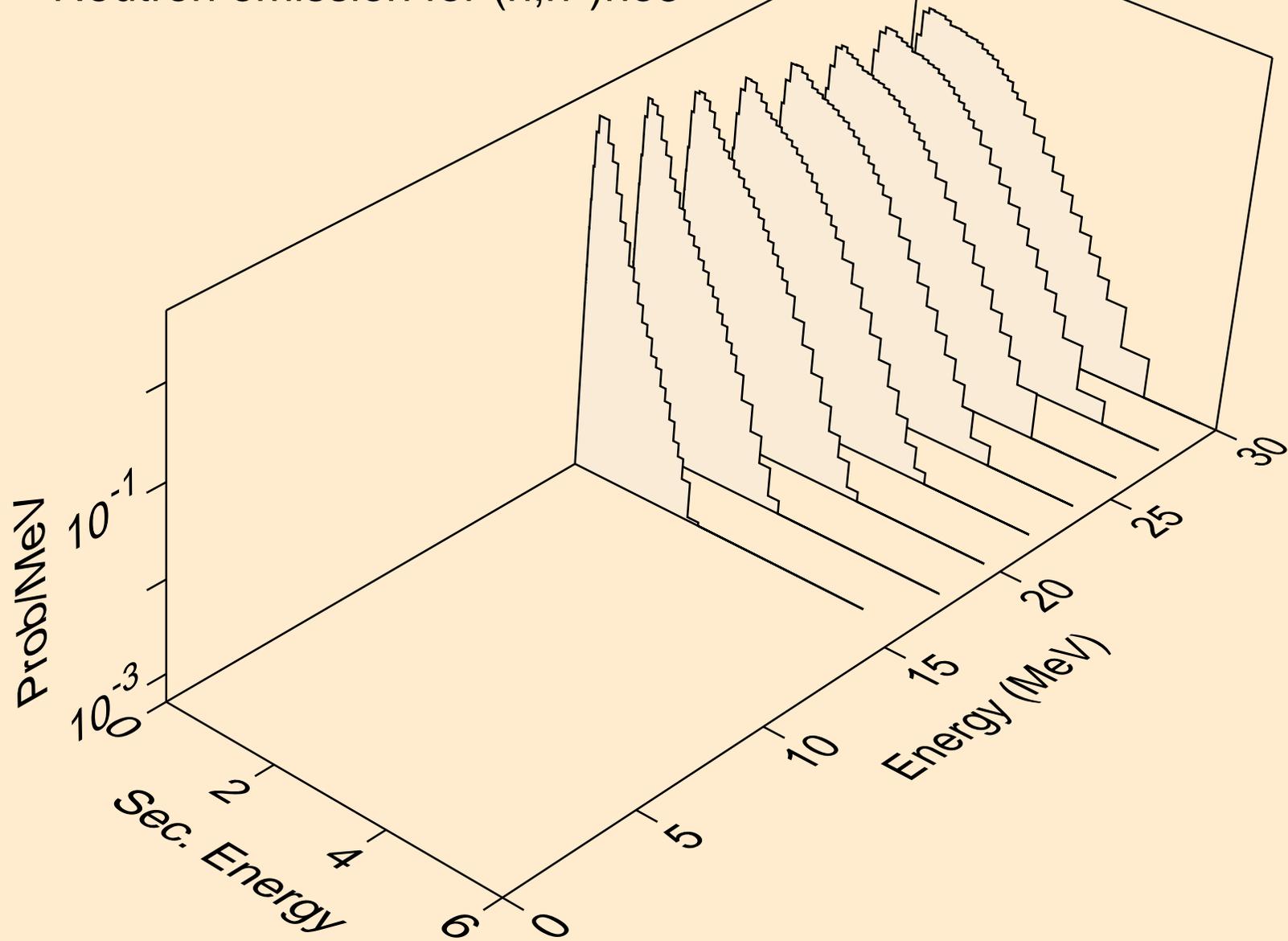
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Neutron emission for (n,n\*)d



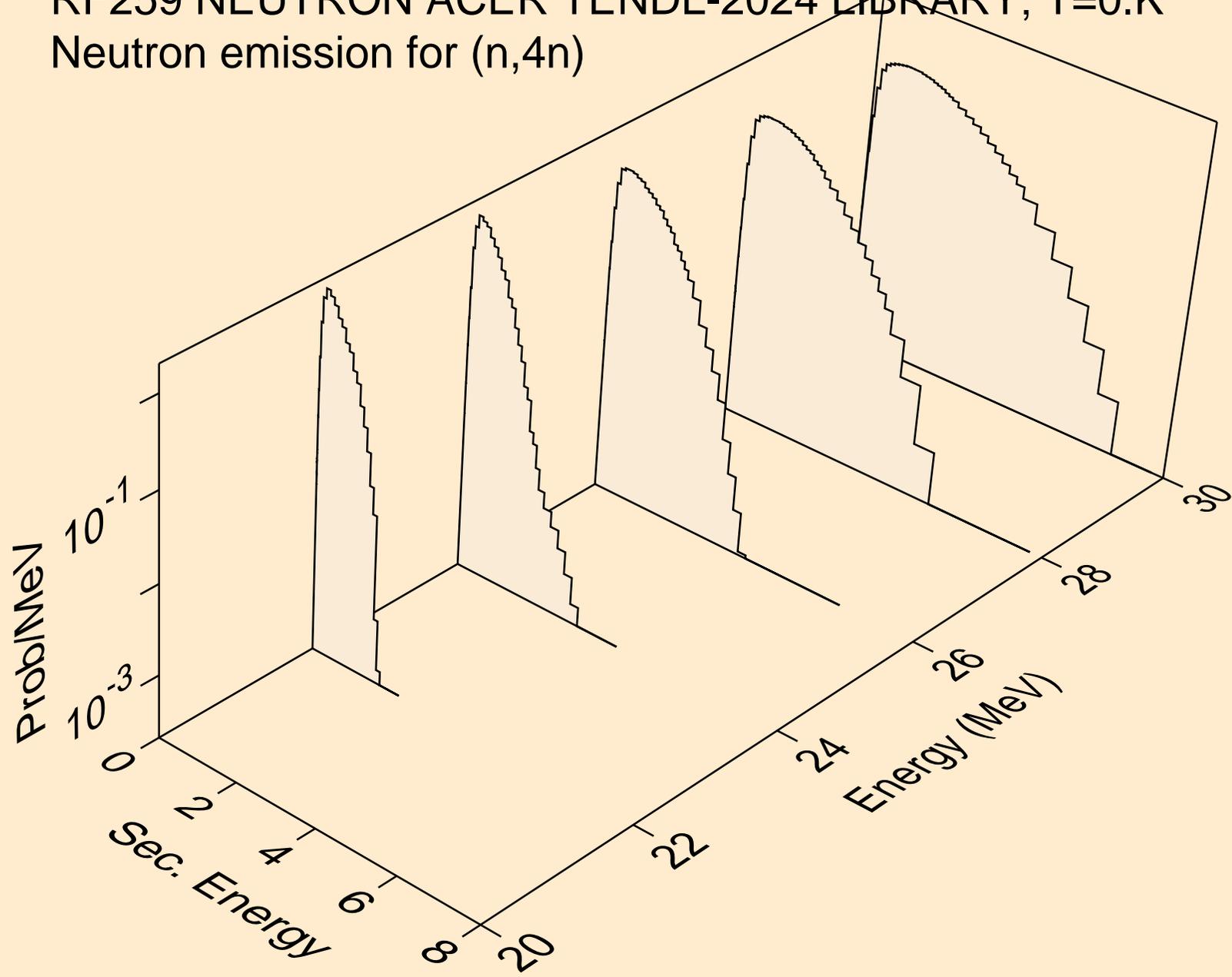
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Neutron emission for (n,n\*)t



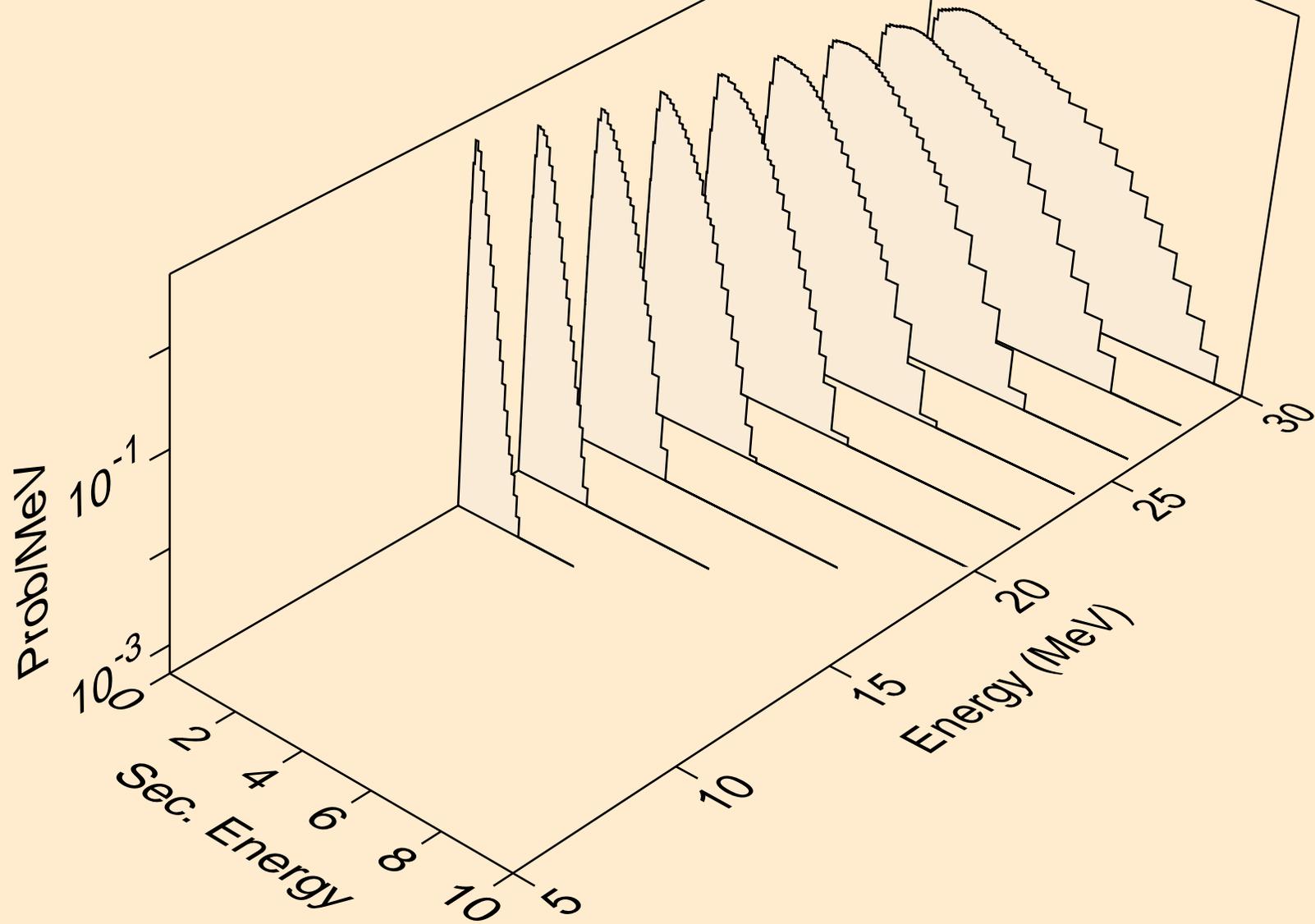
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



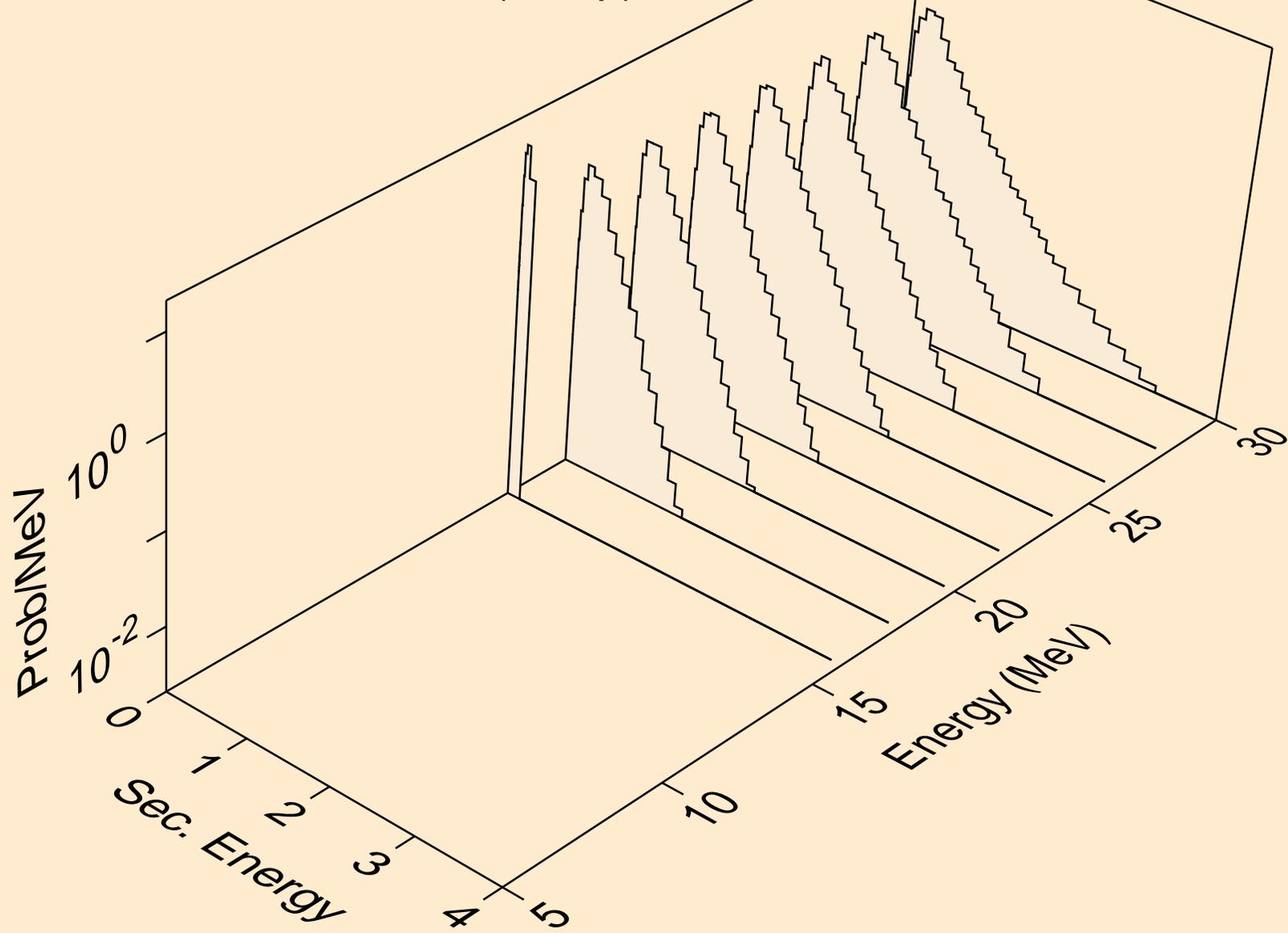
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



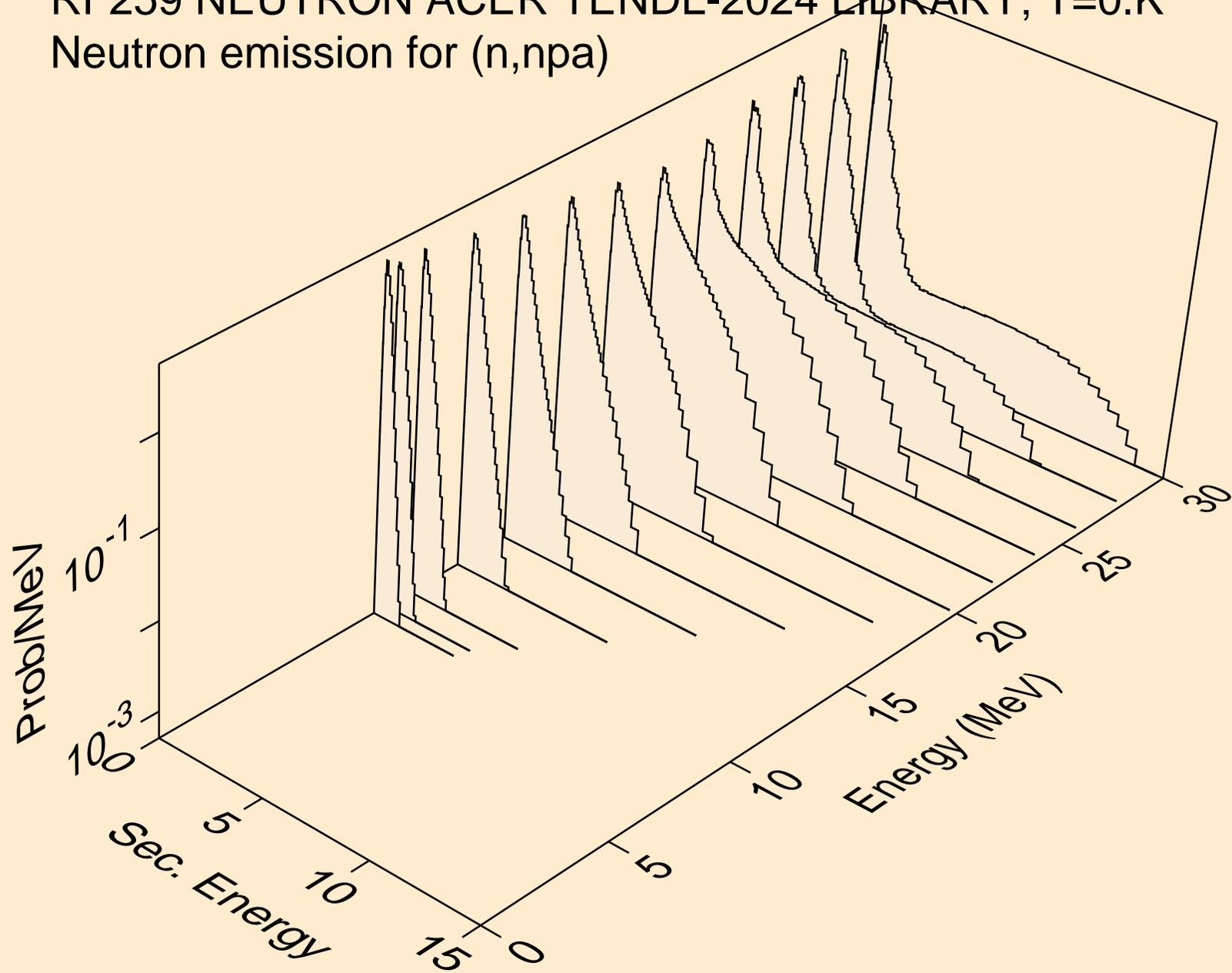
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



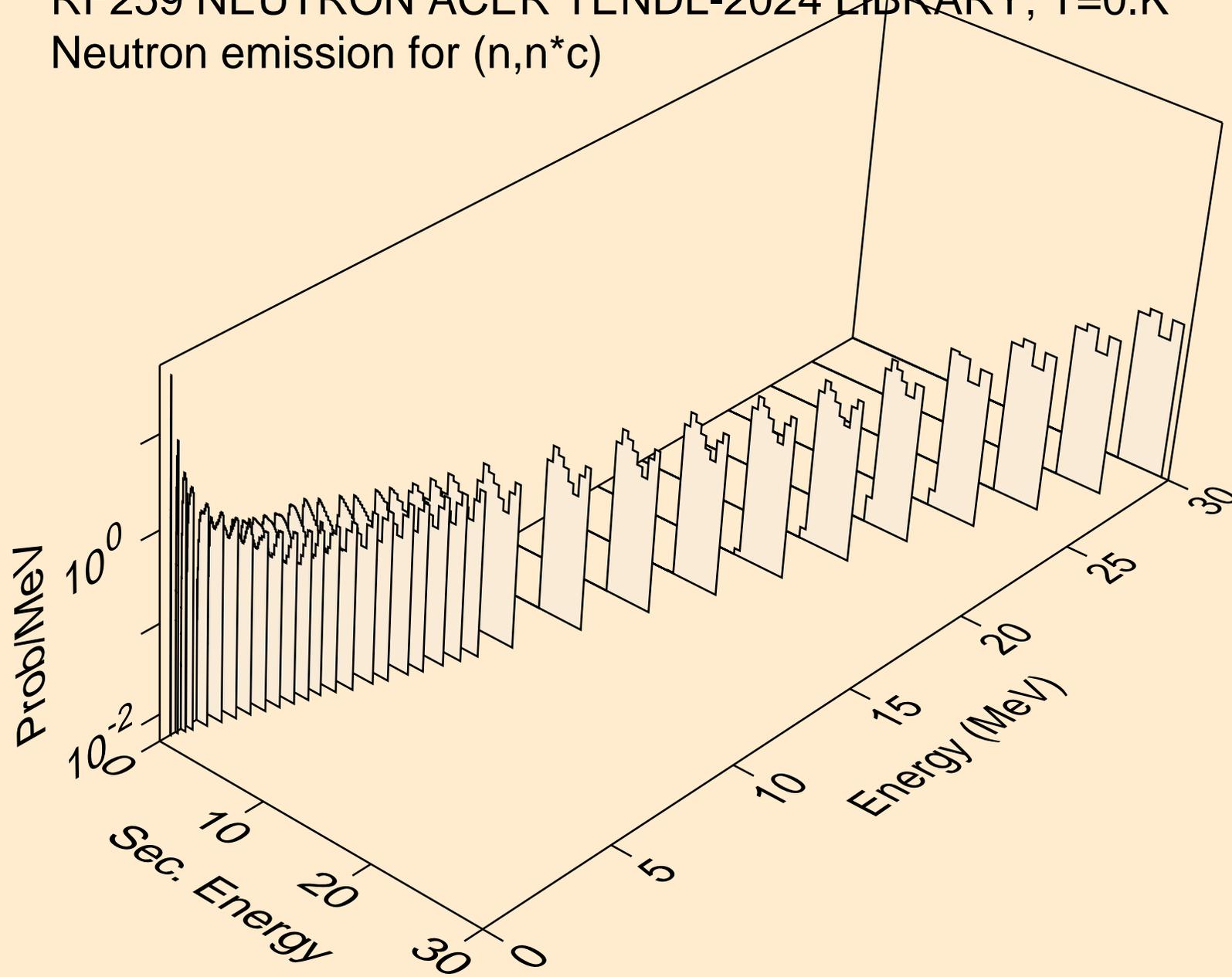
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

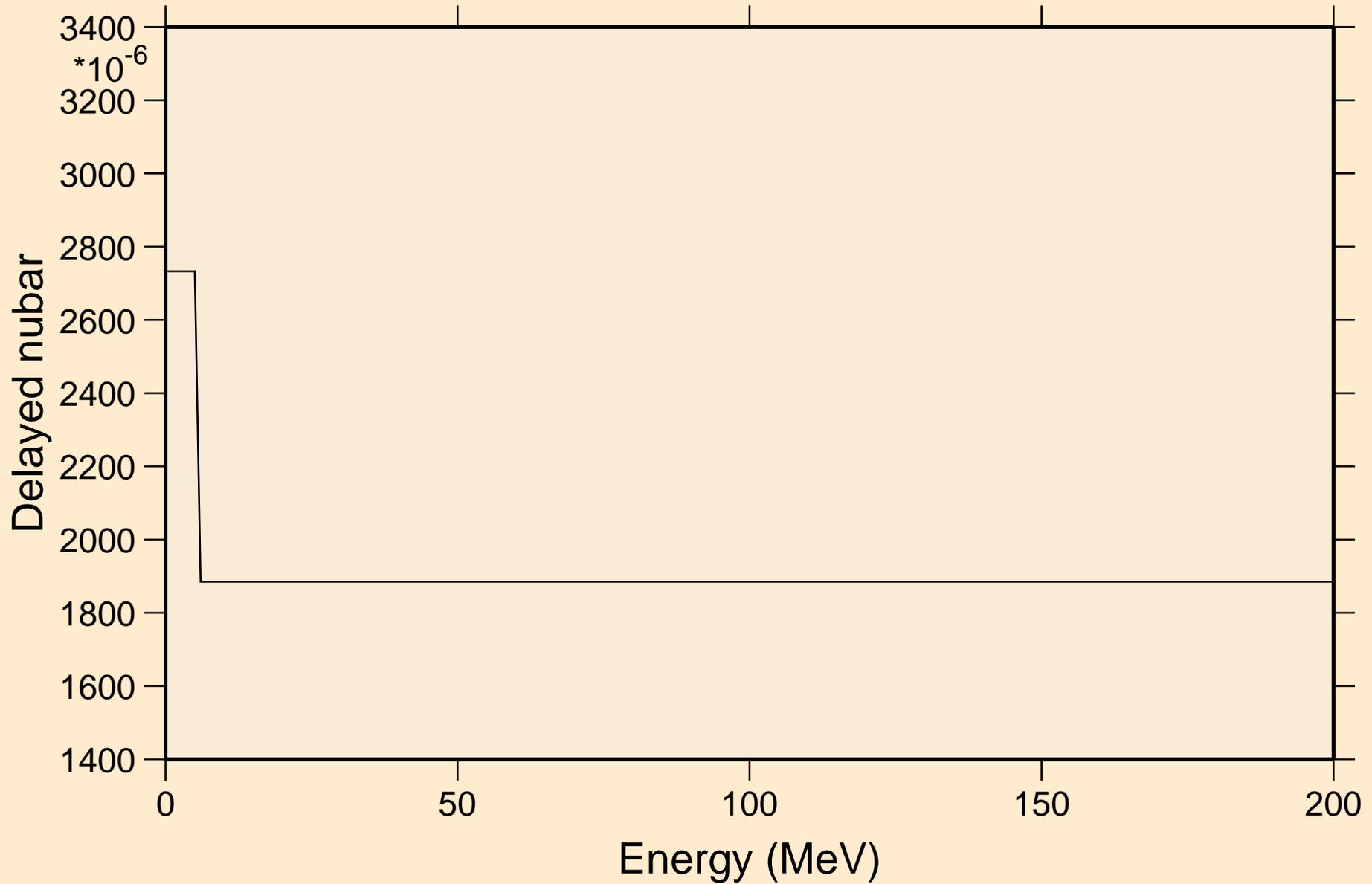


RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



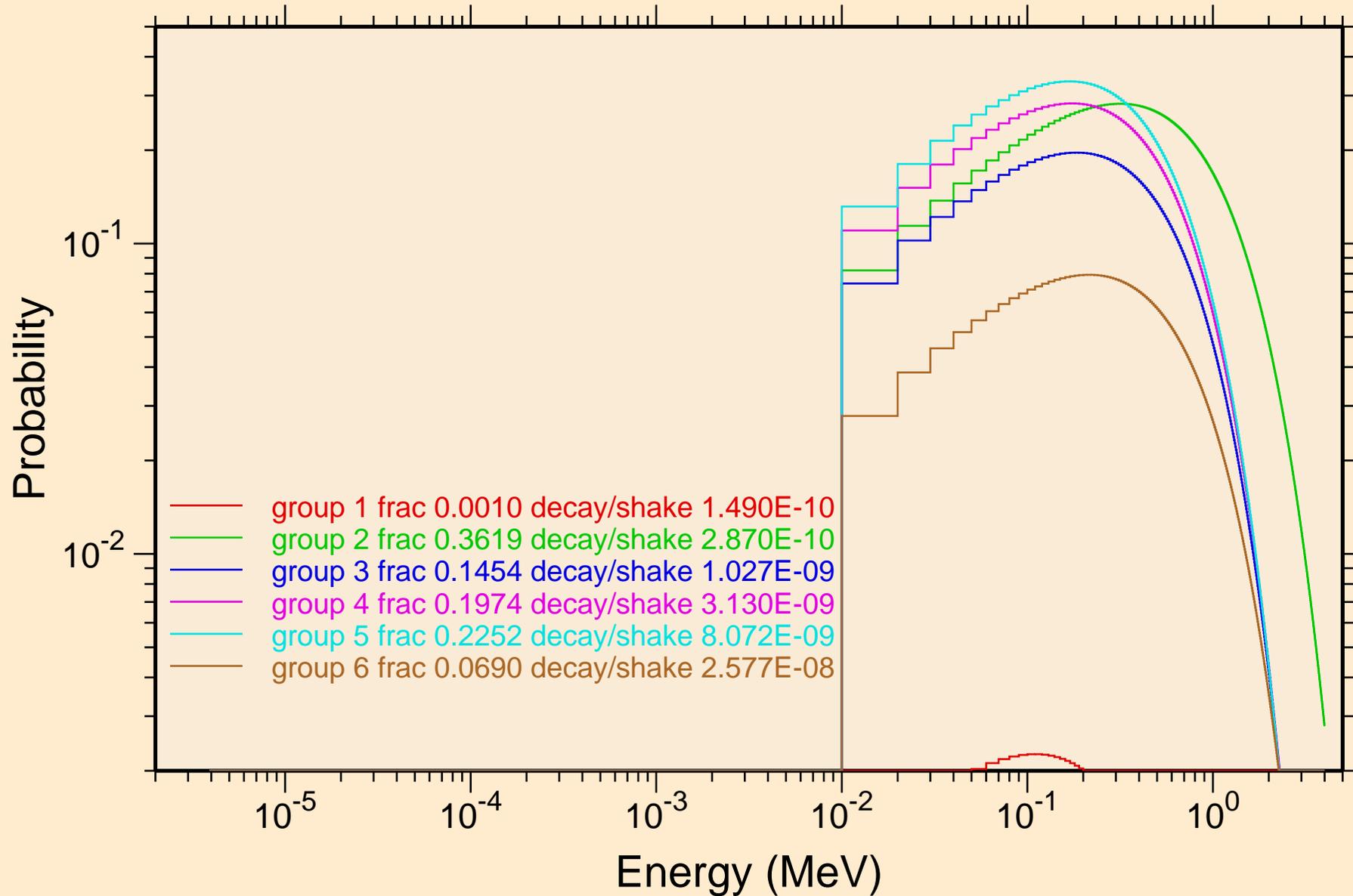
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## Delayed nubar

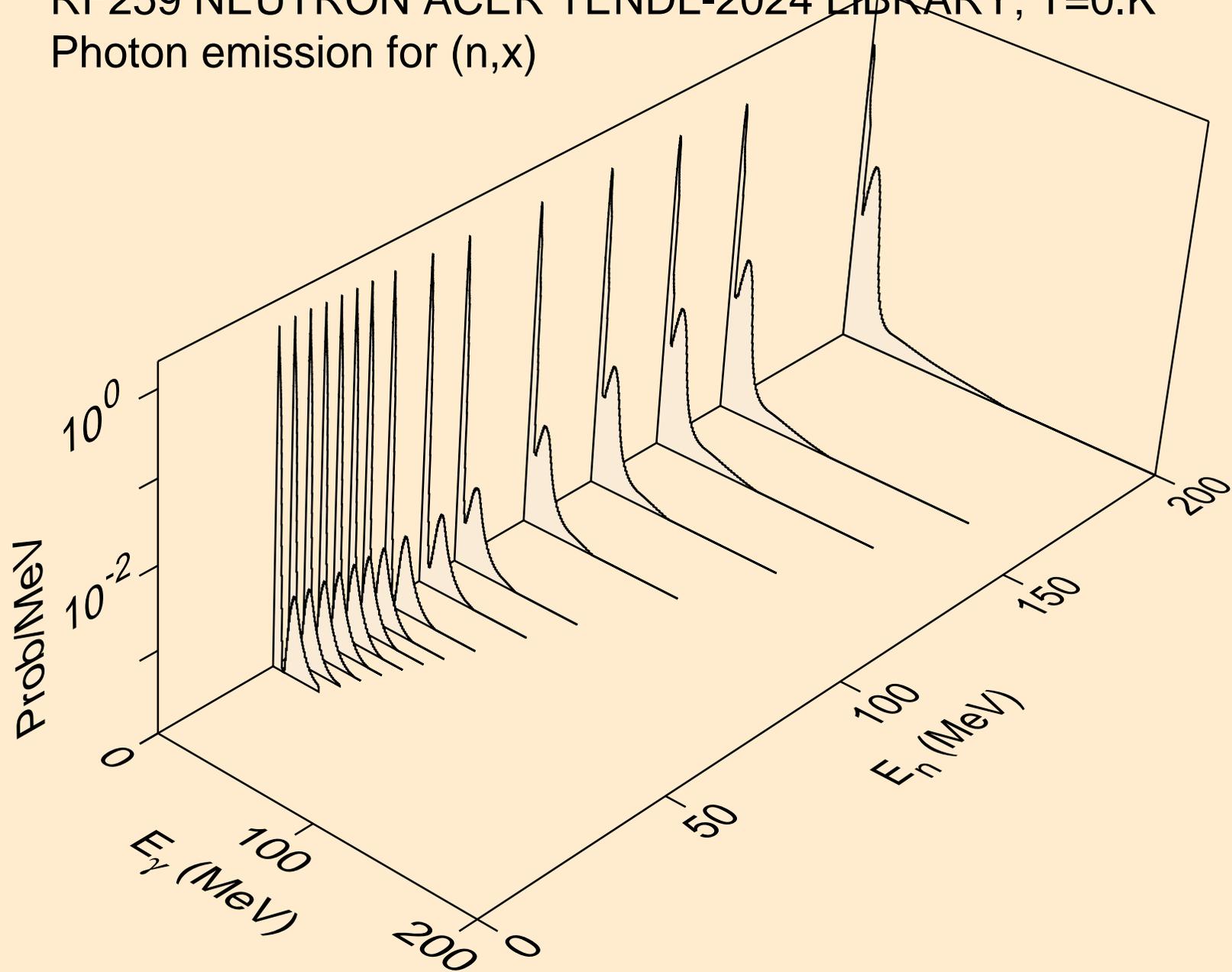


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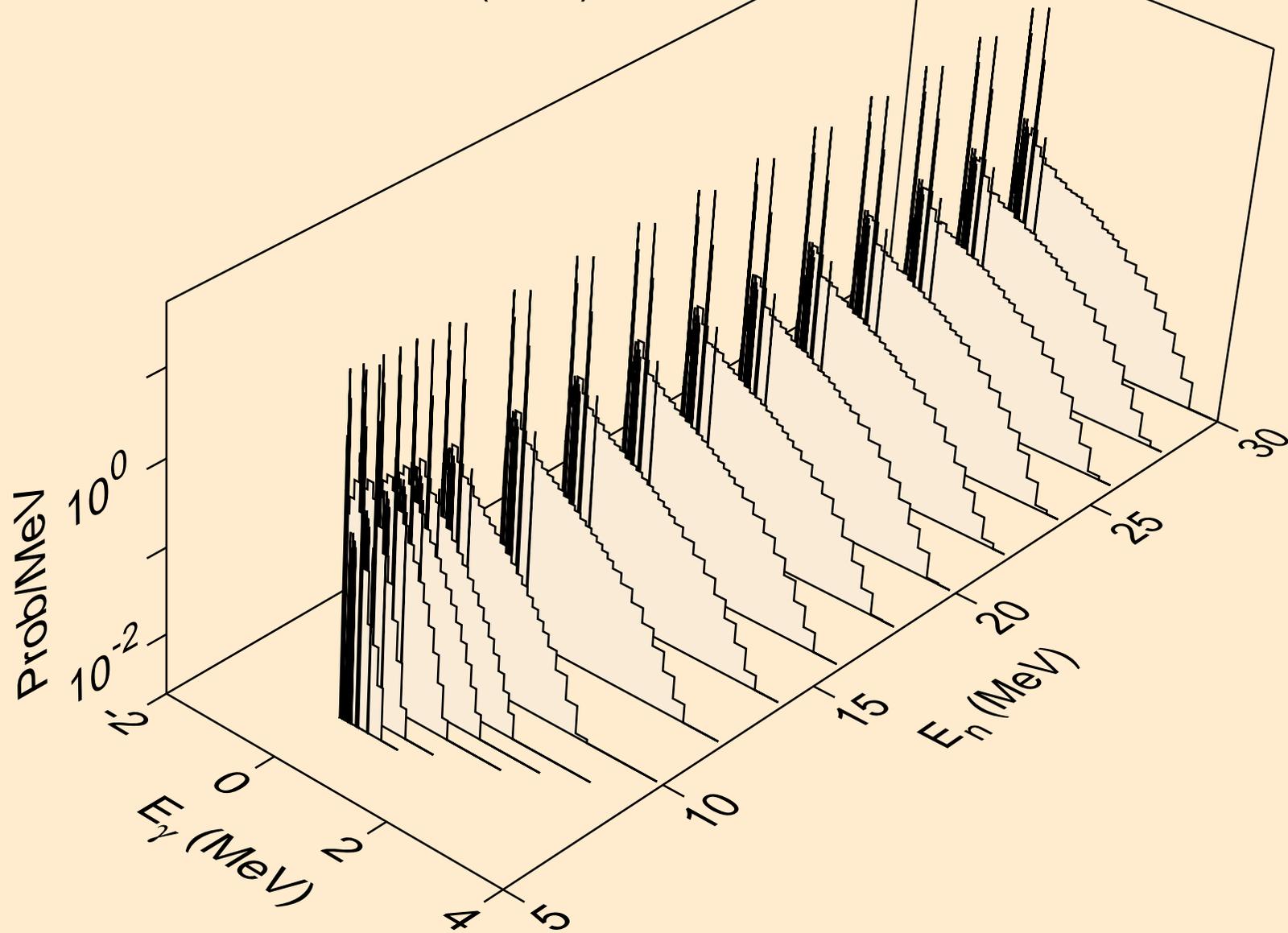
## Delayed neutron spectra



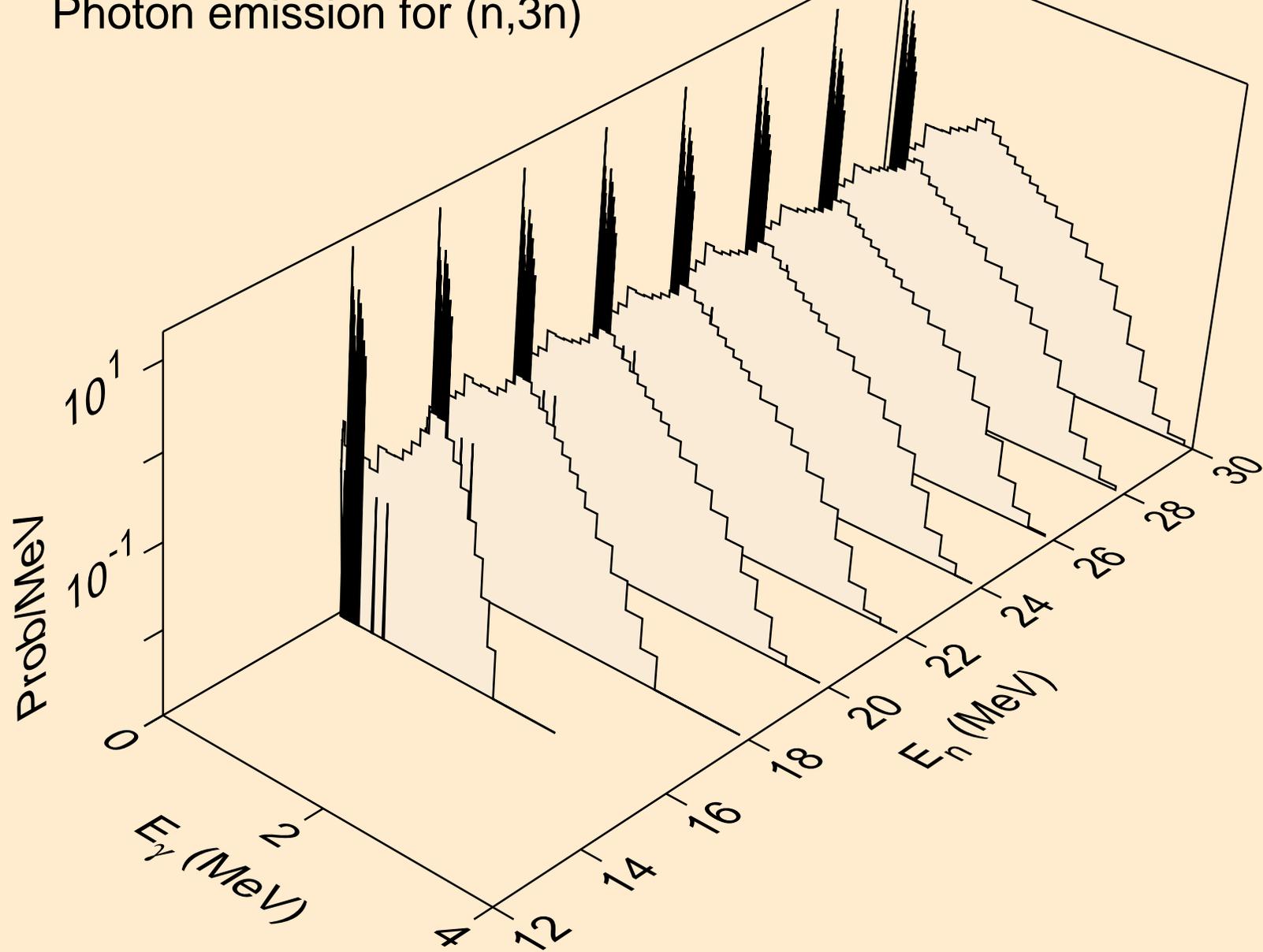
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



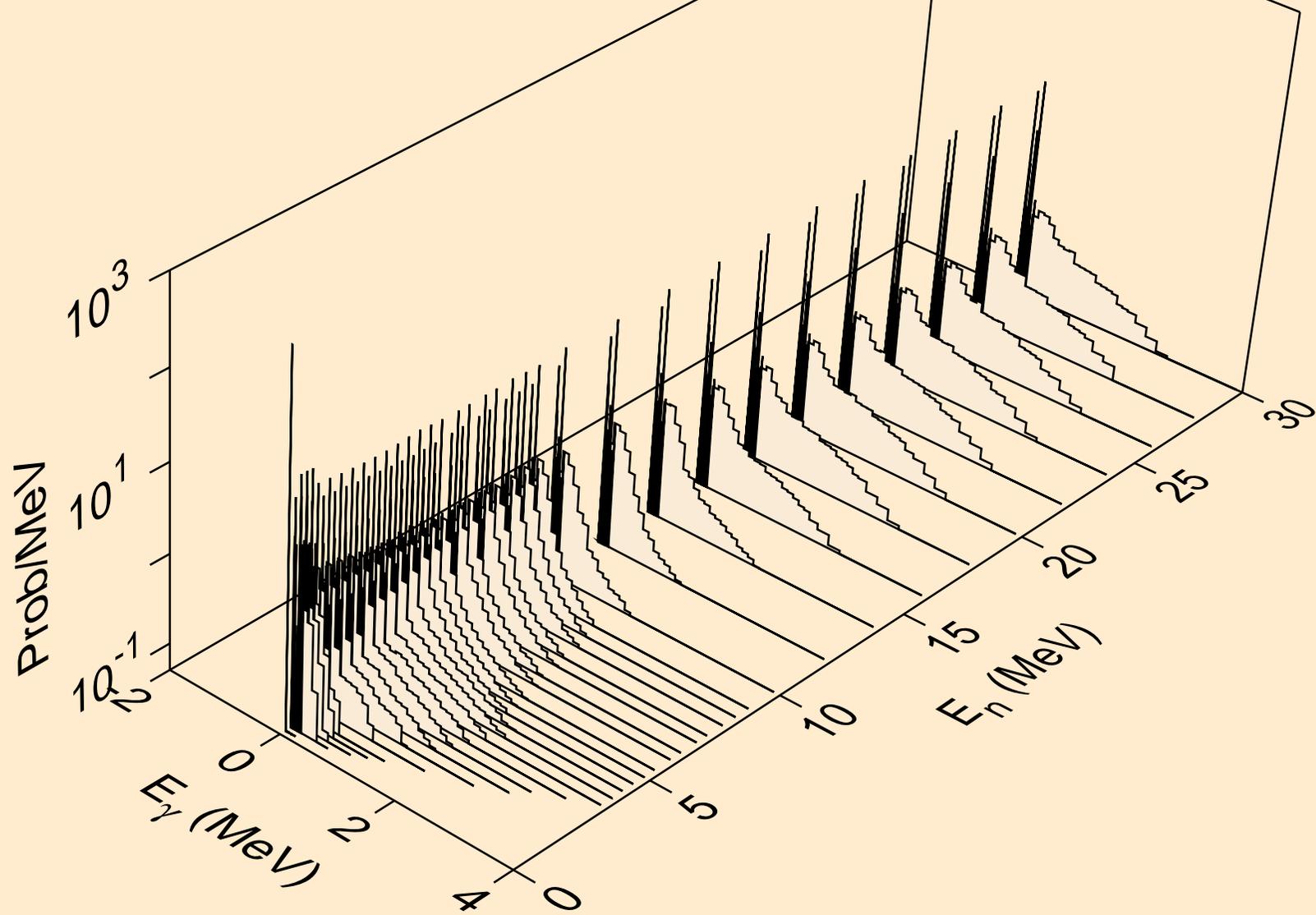
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



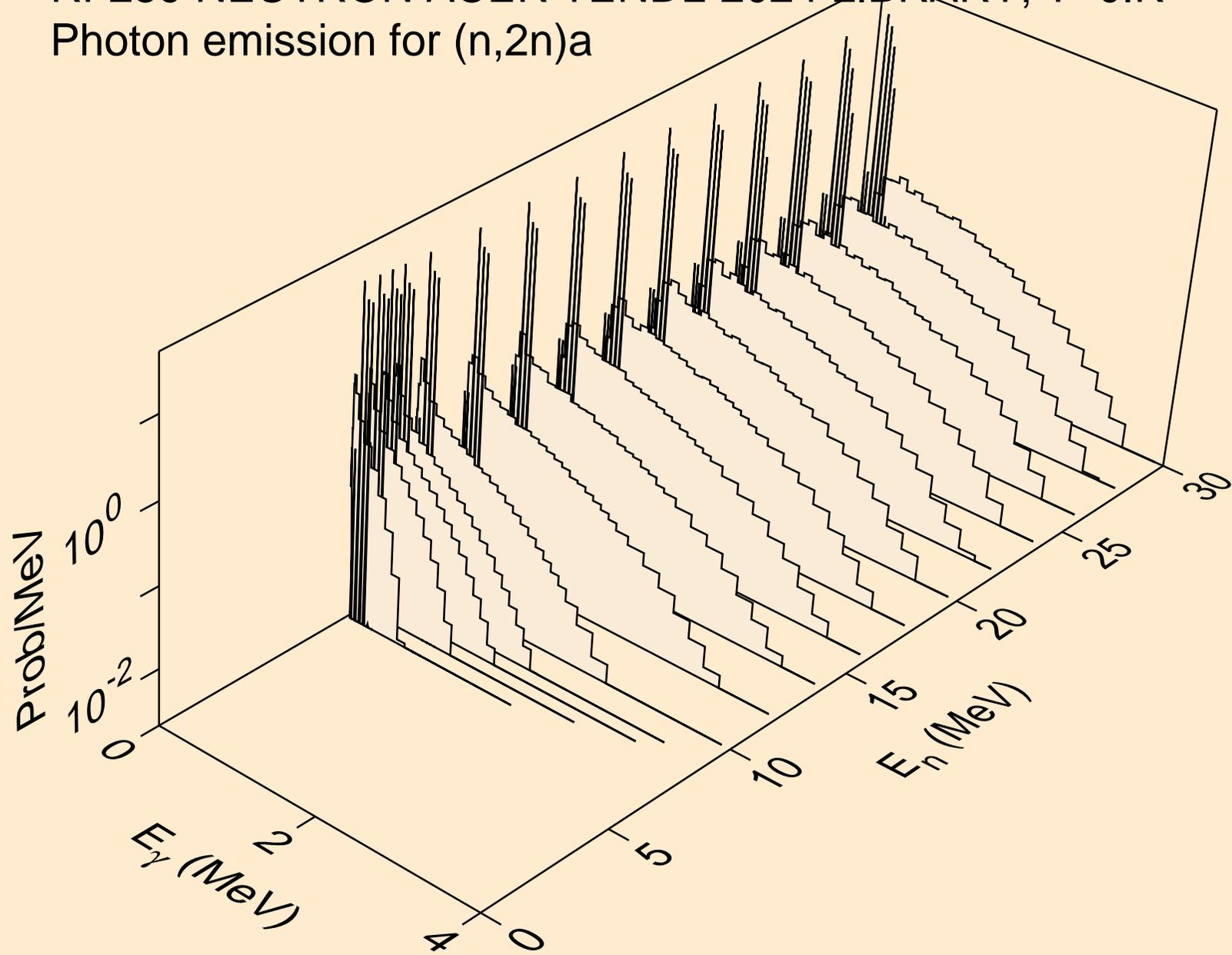
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Photon emission for (n,3n)



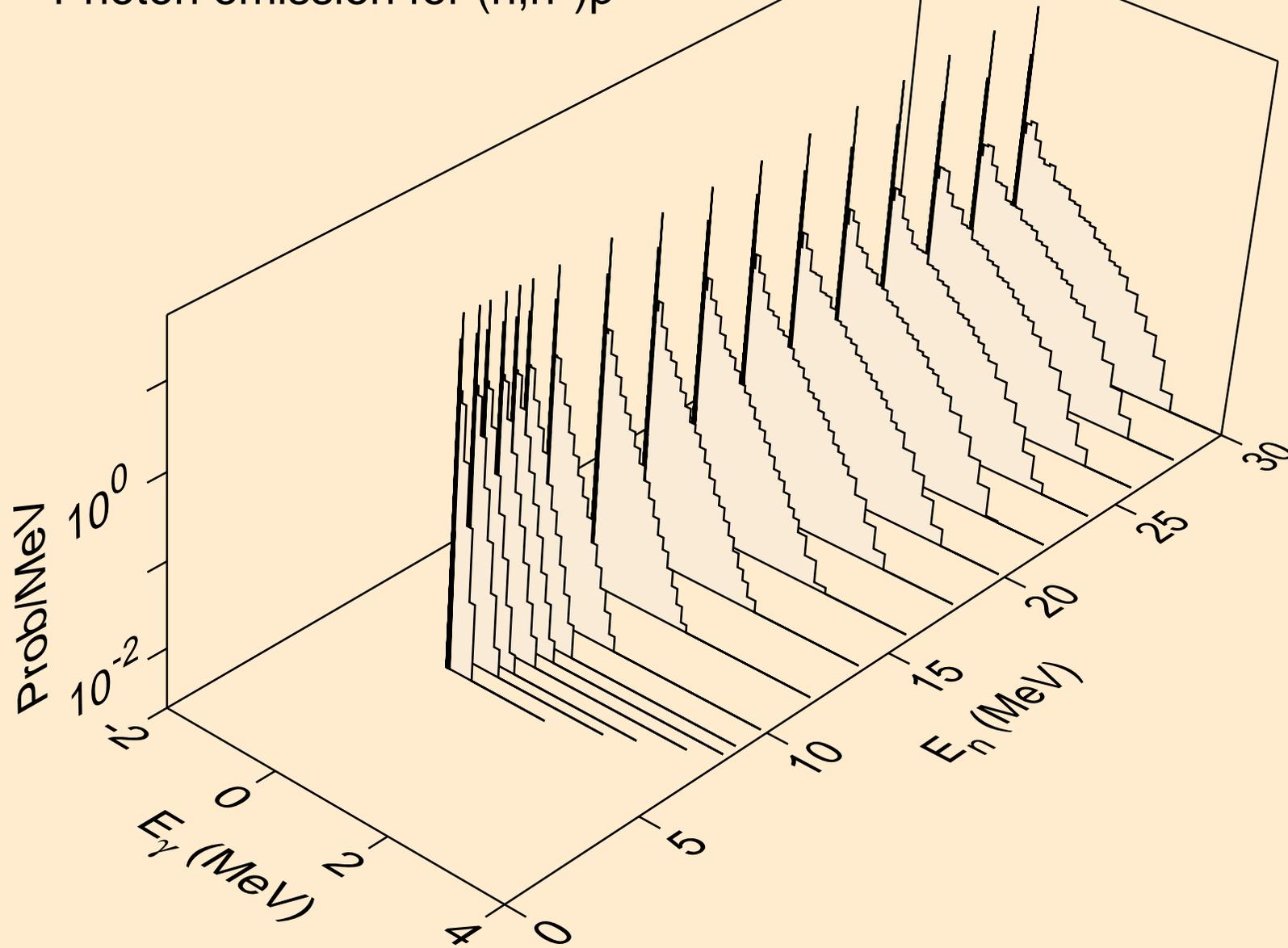
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



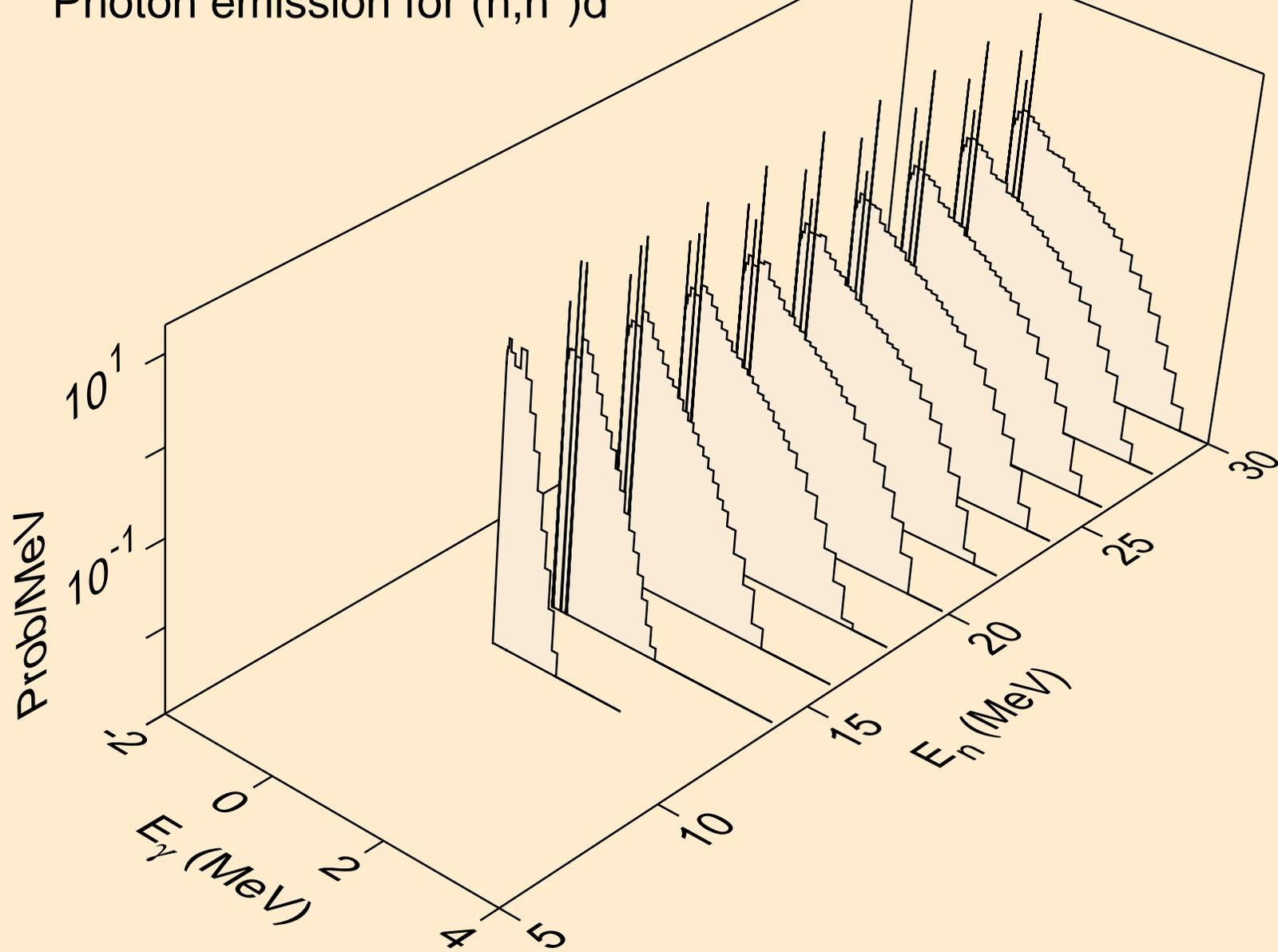
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Photon emission for (n,2n)a



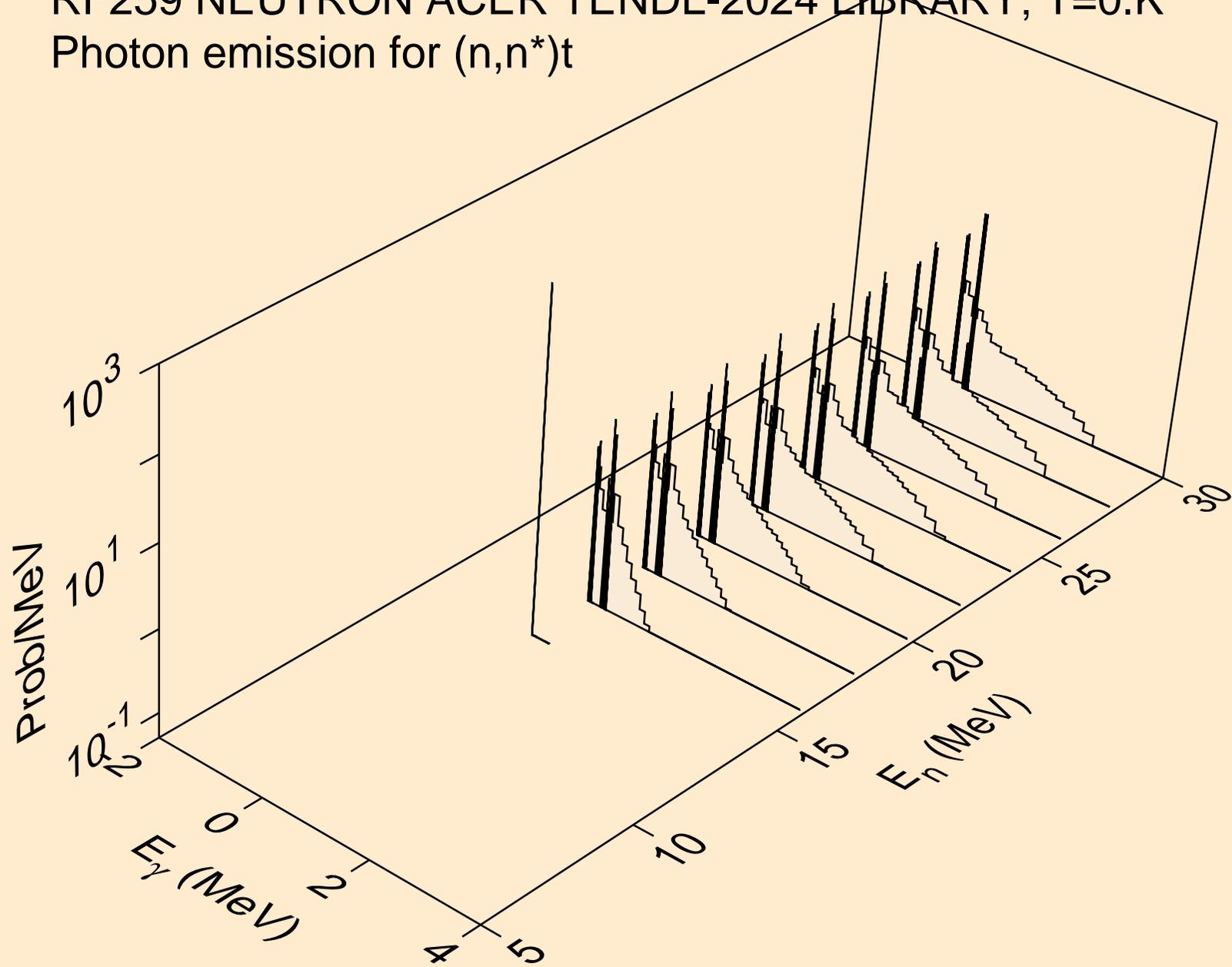
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



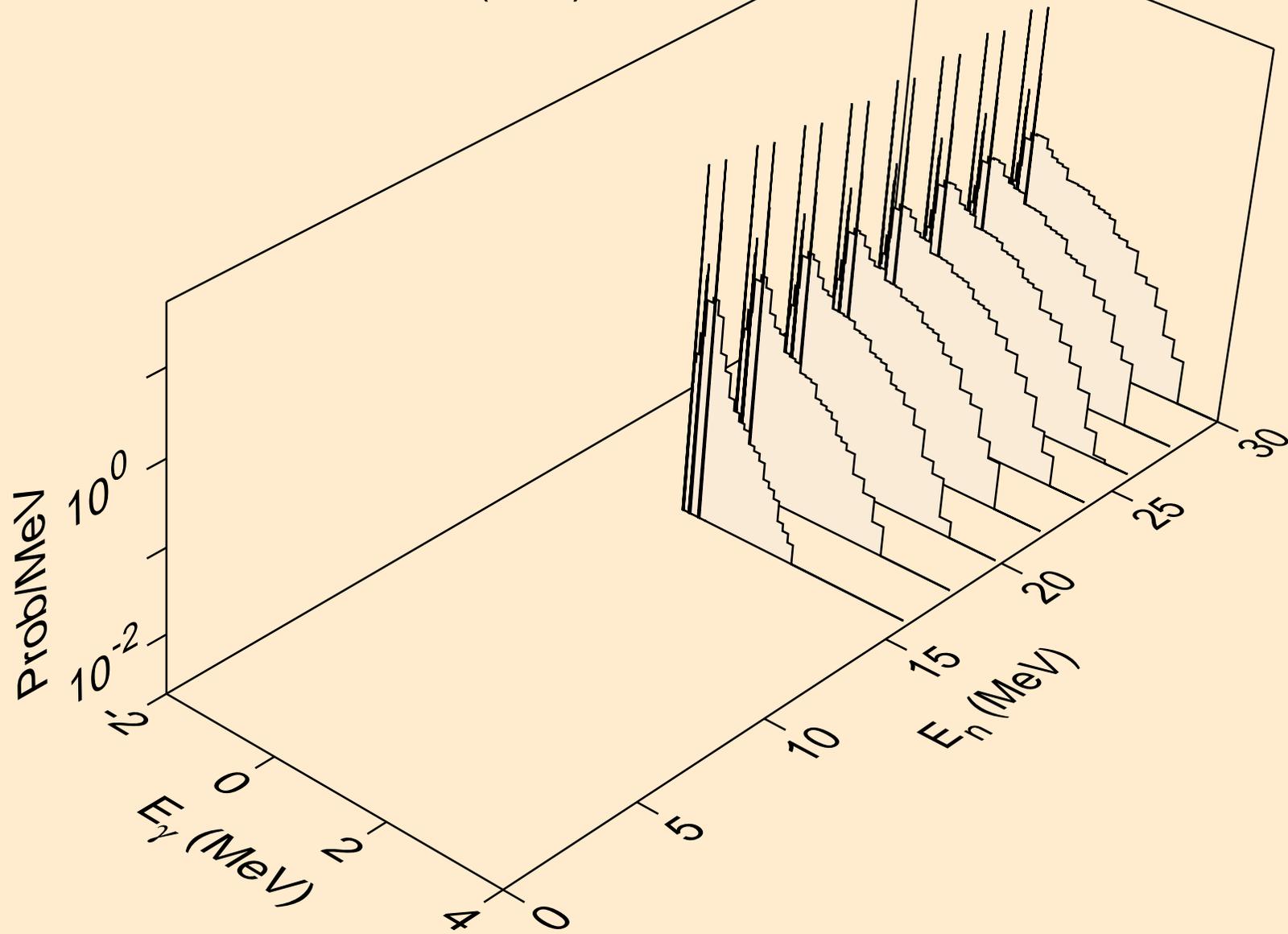
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



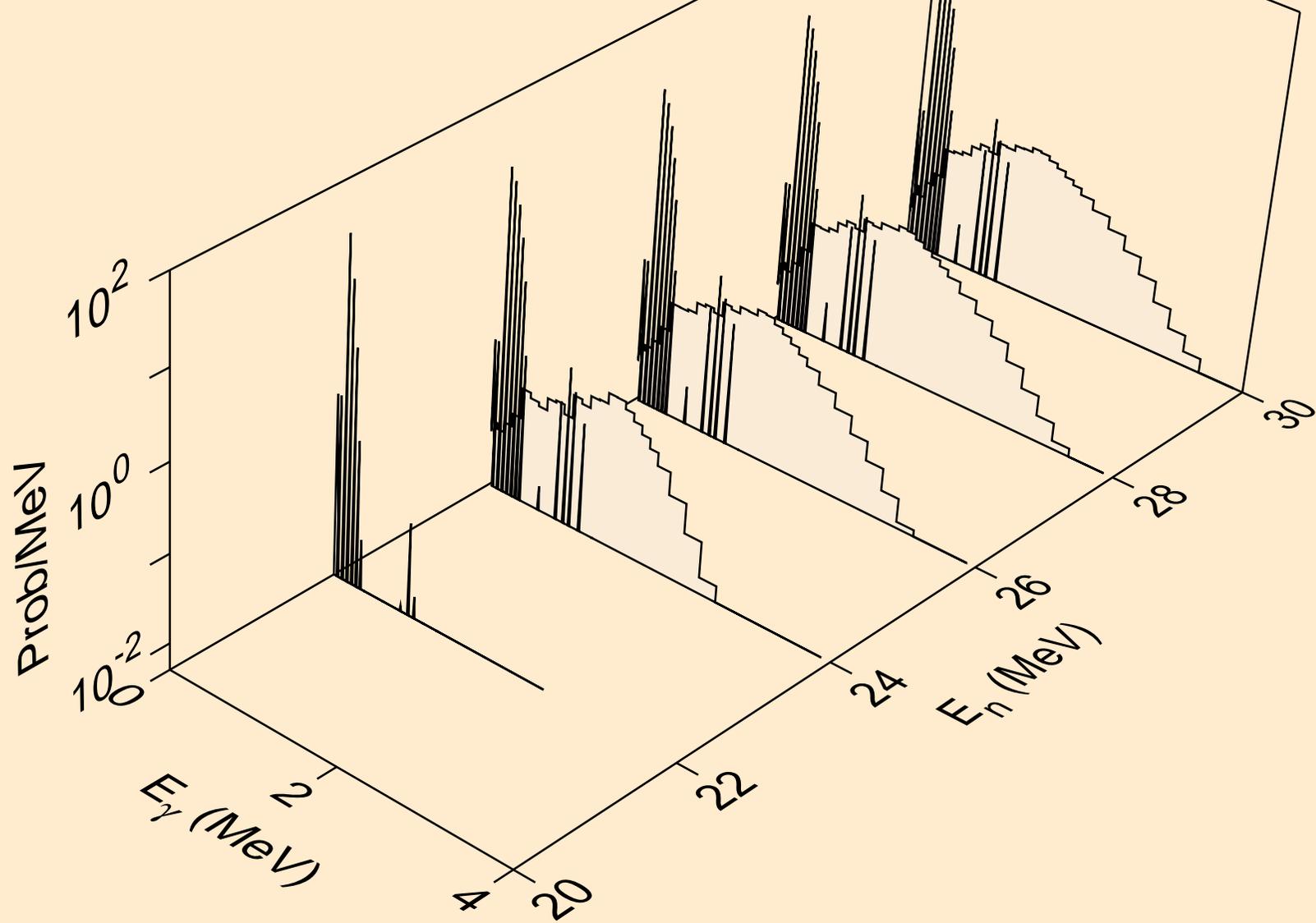
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



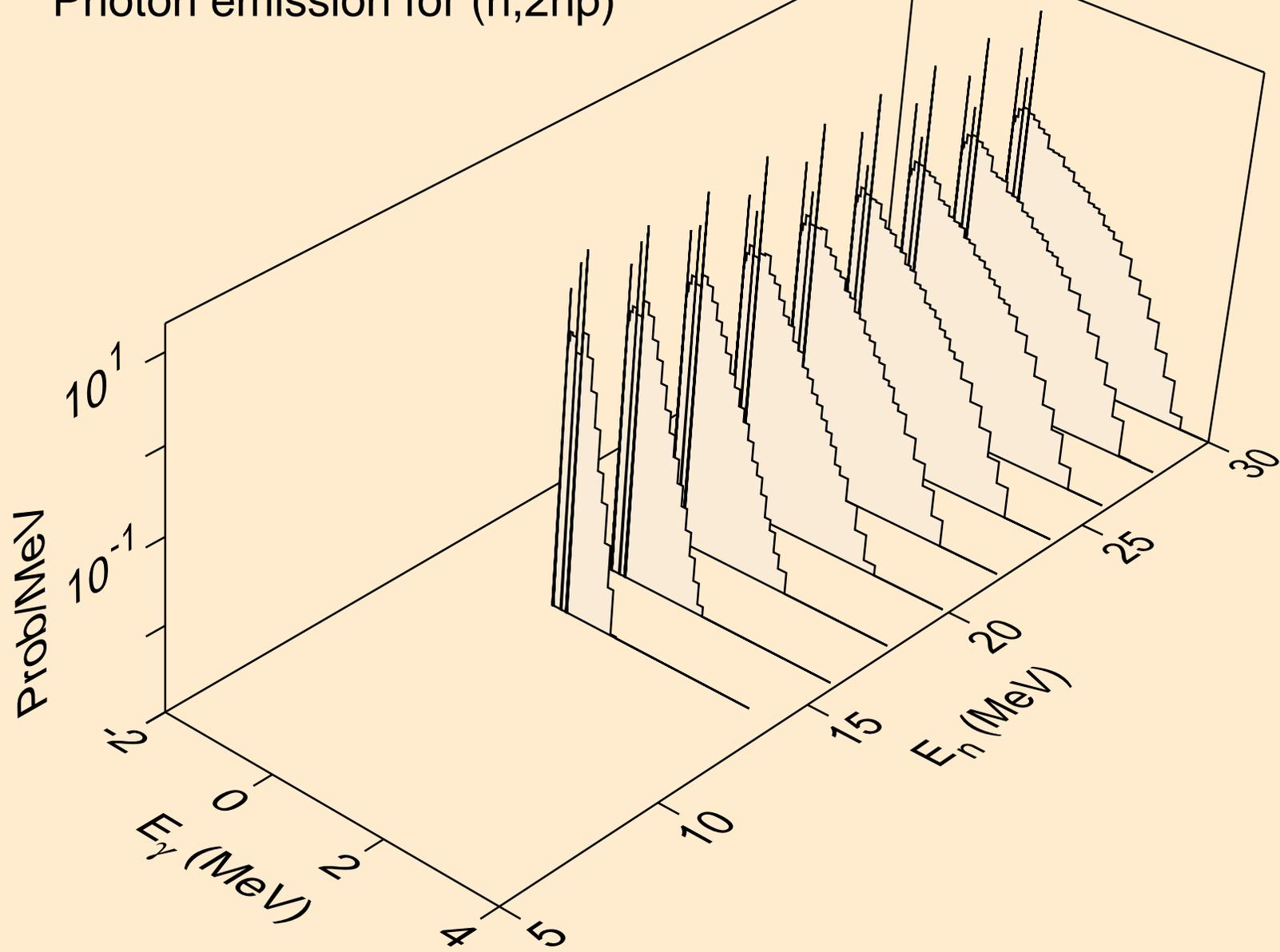
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



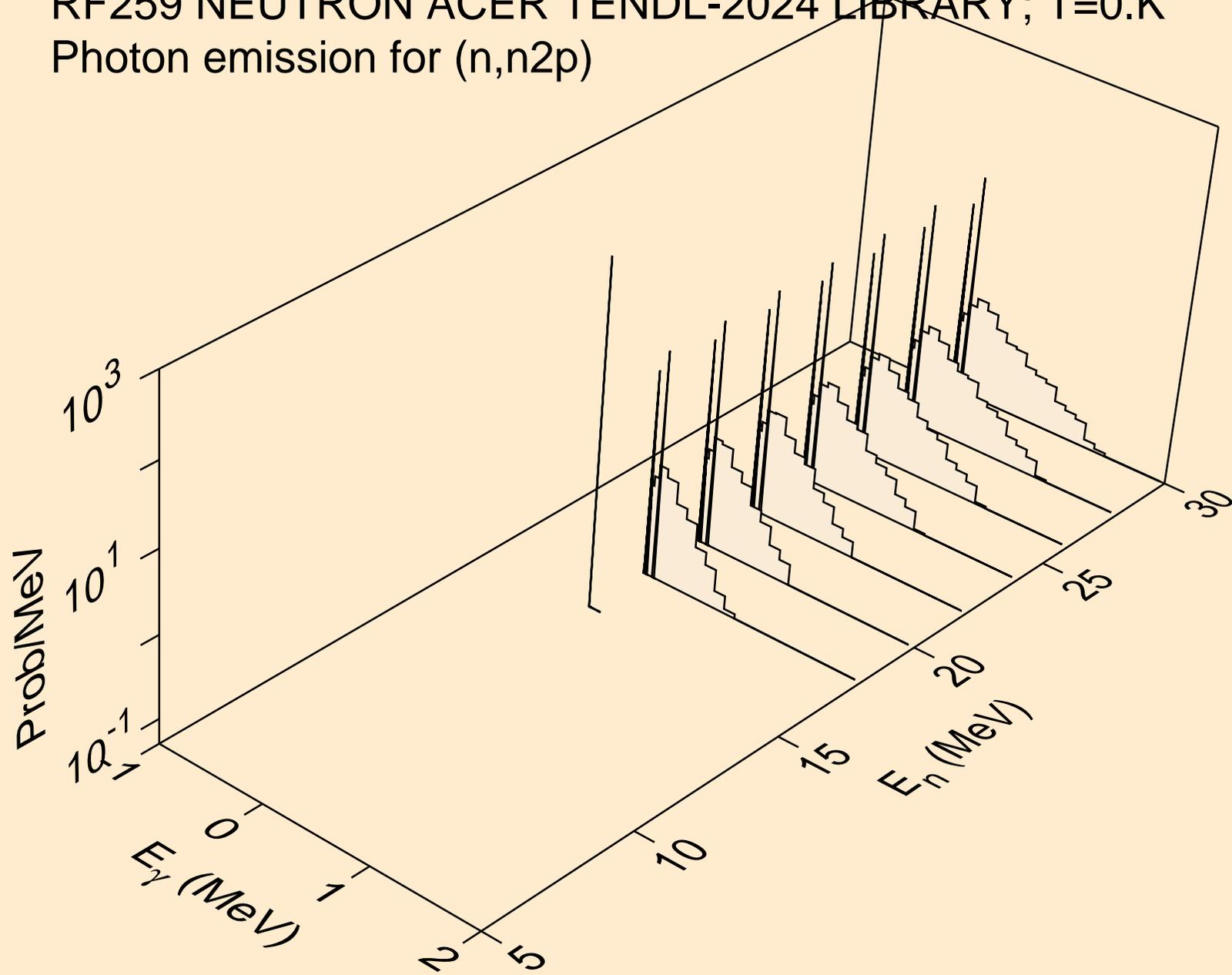
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



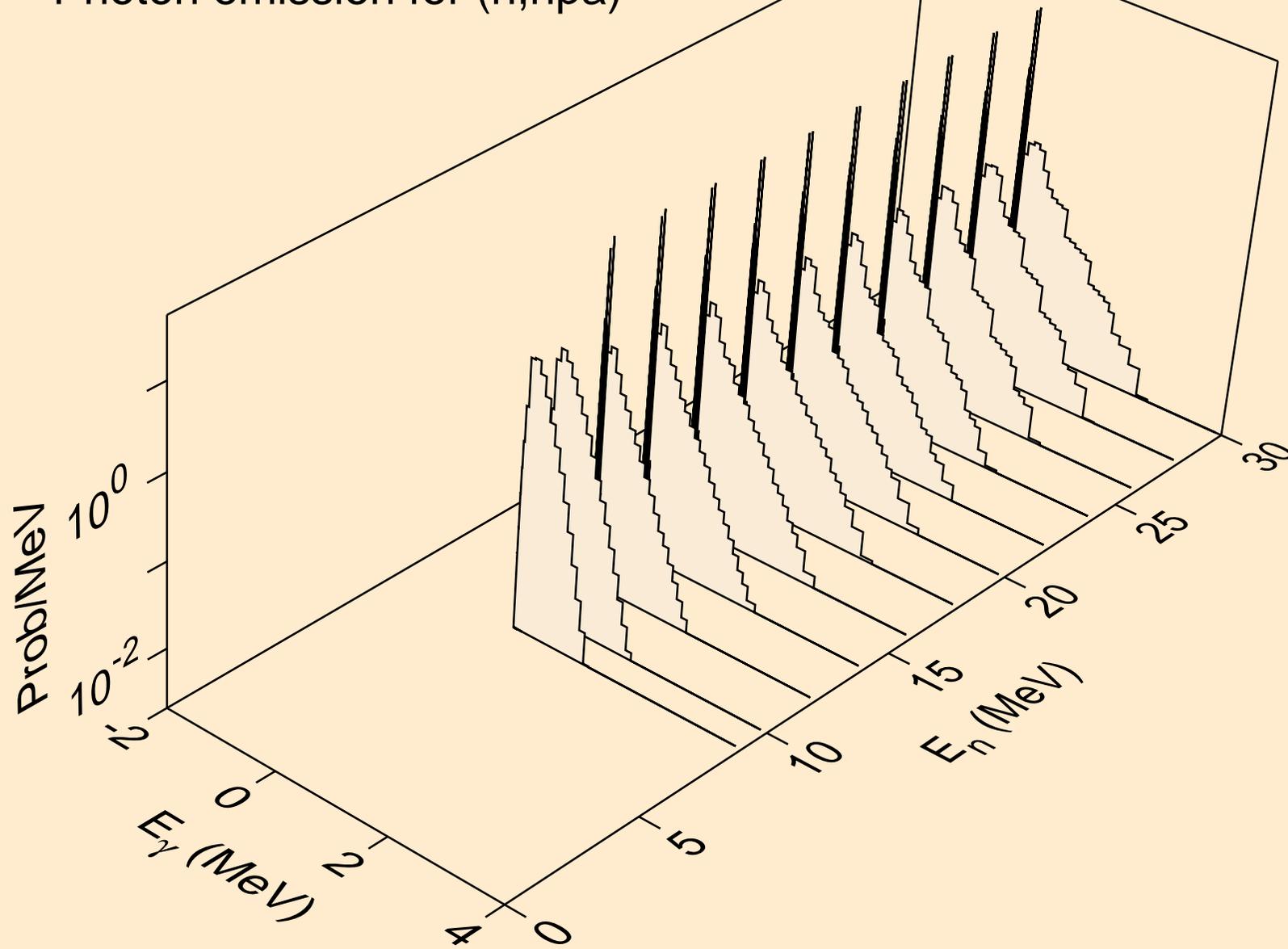
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



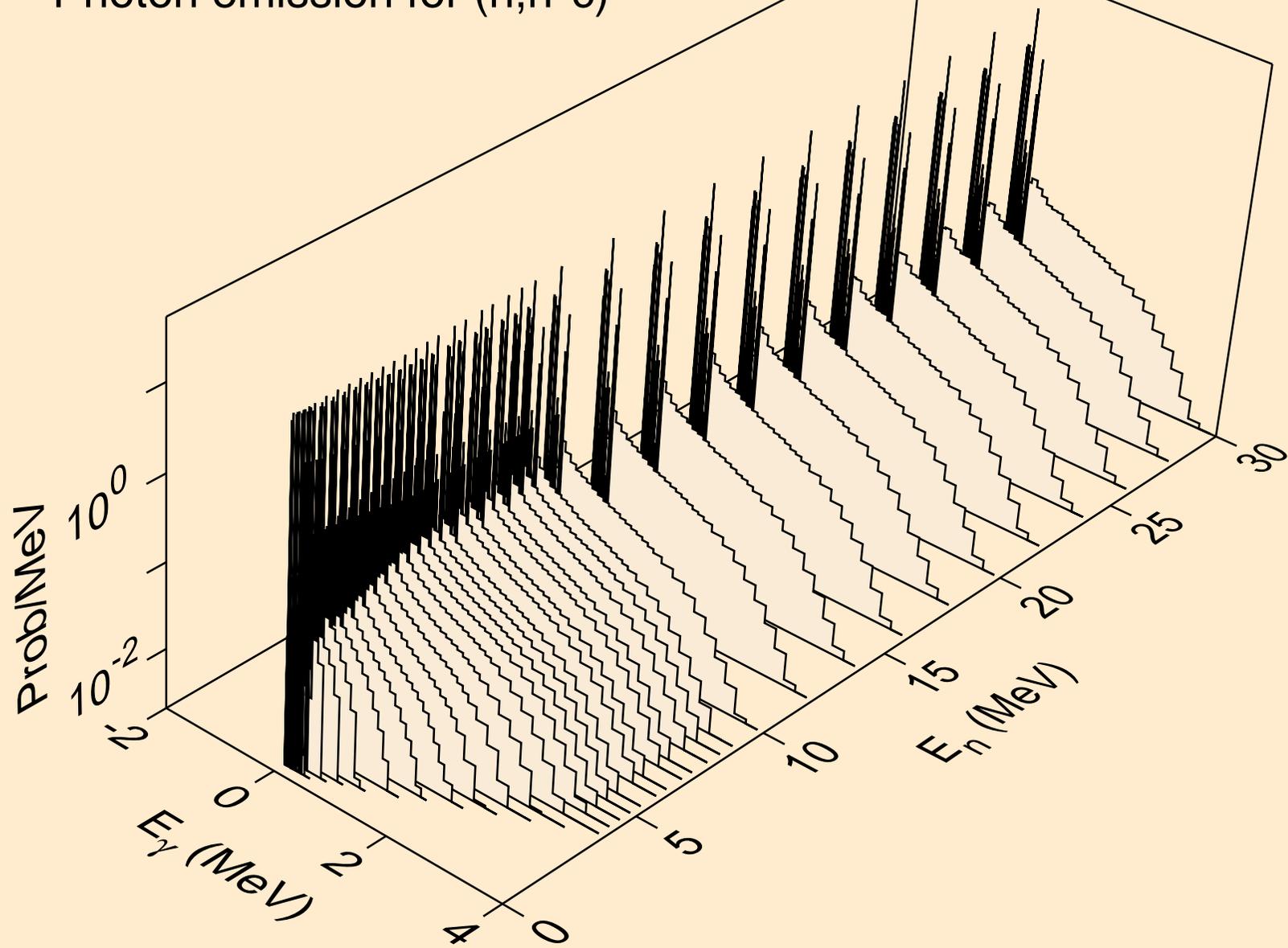
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Photon emission for (n,n2p)



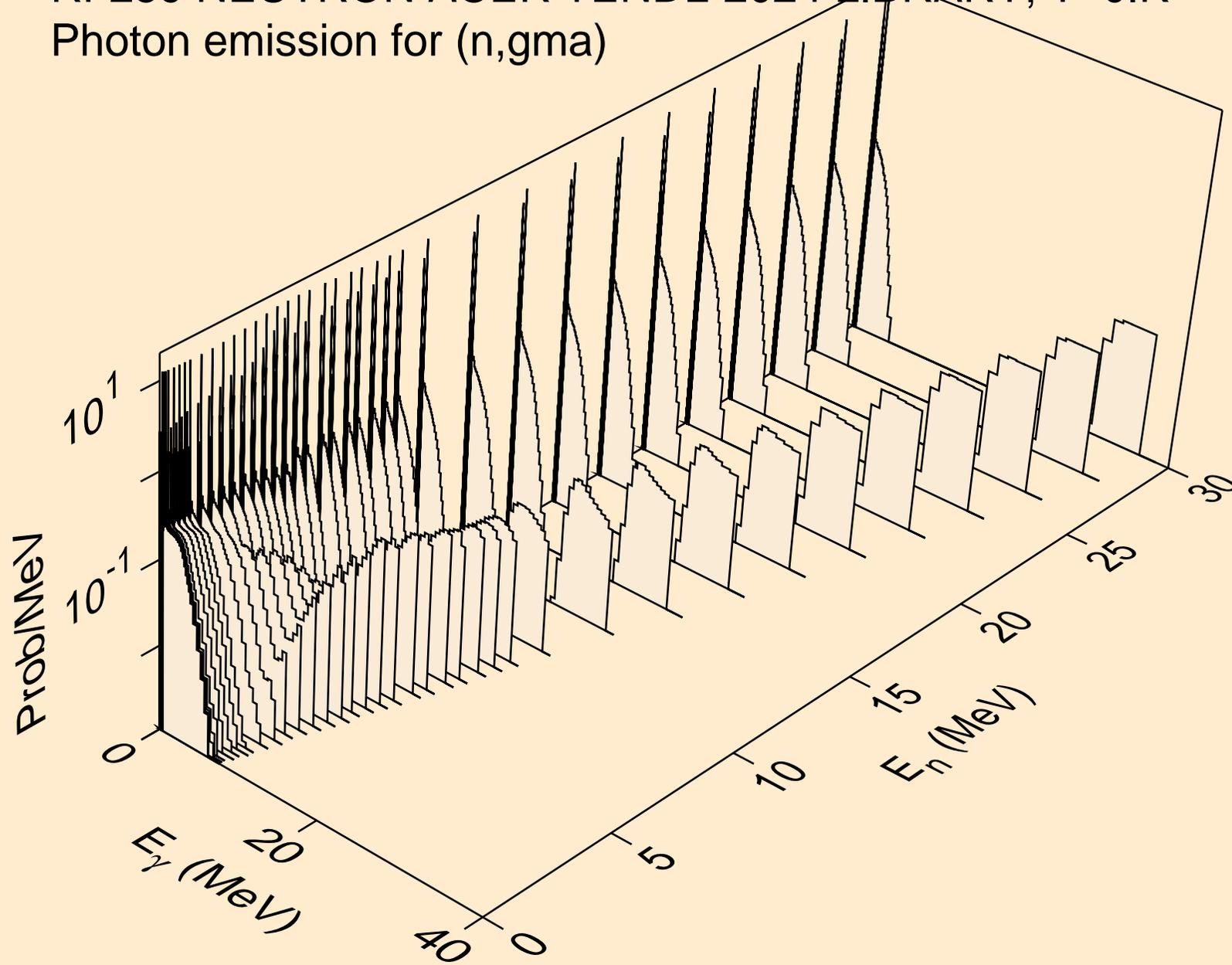
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Photon emission for (n,npa)



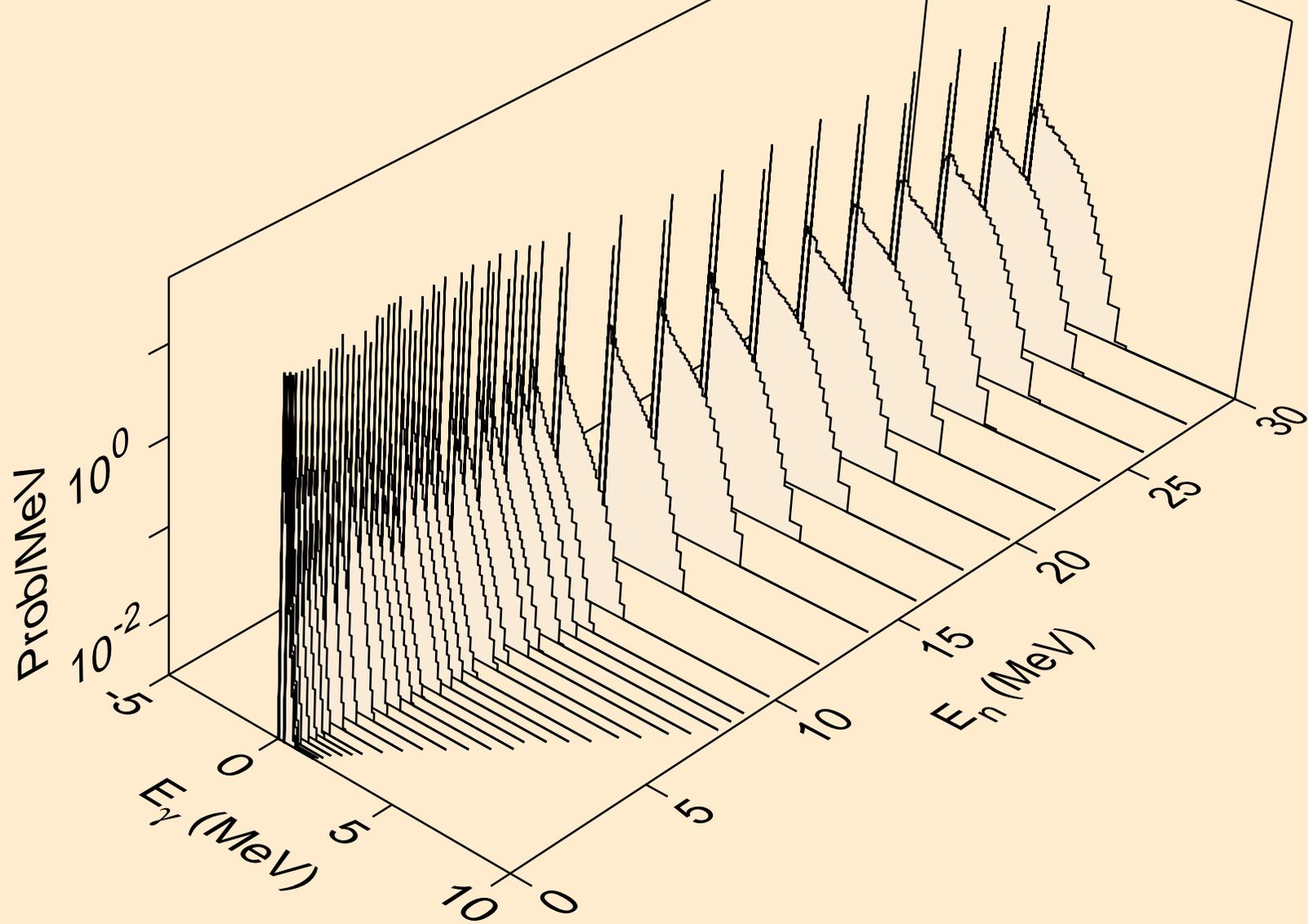
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Photon emission for (n,n\*c)



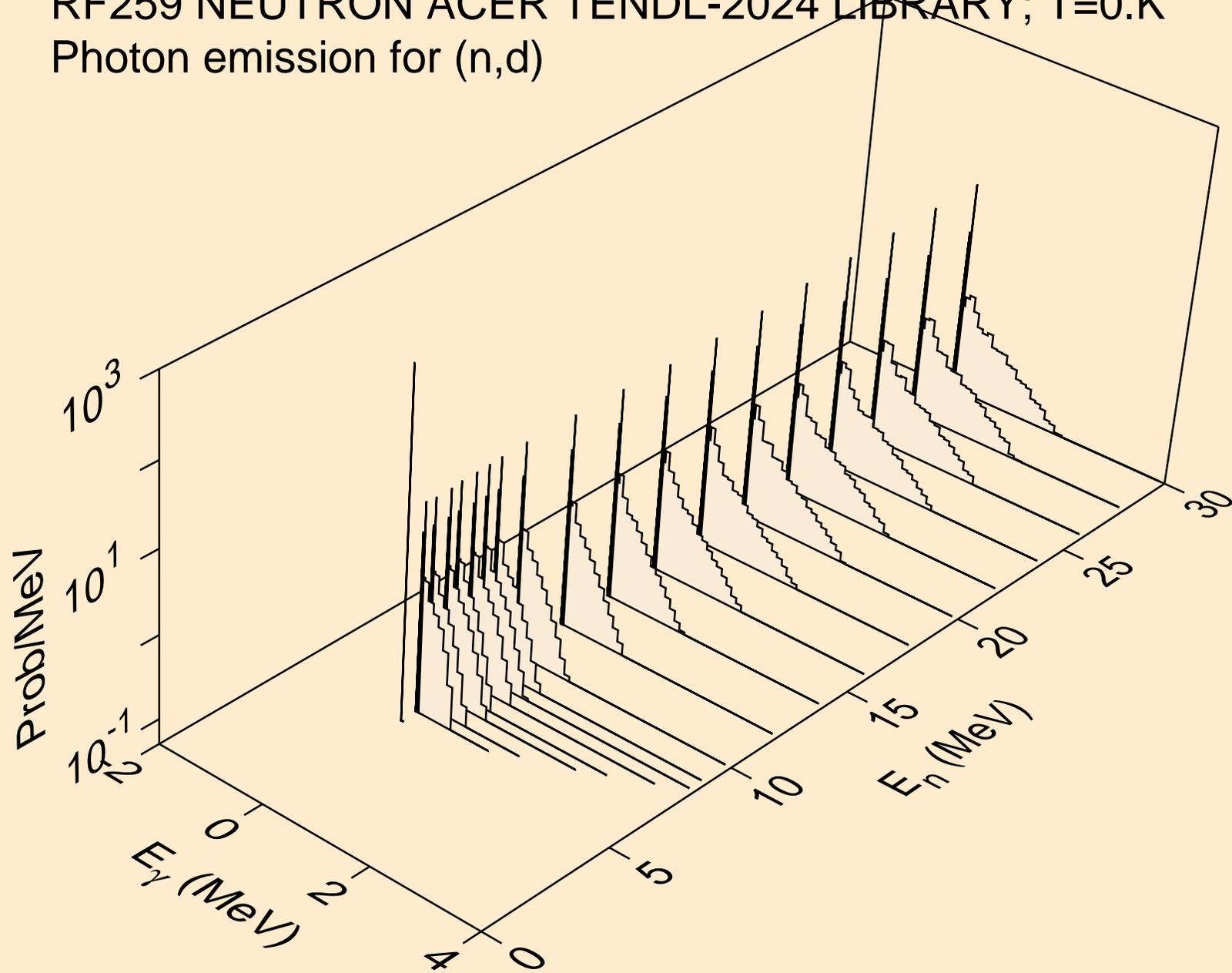
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



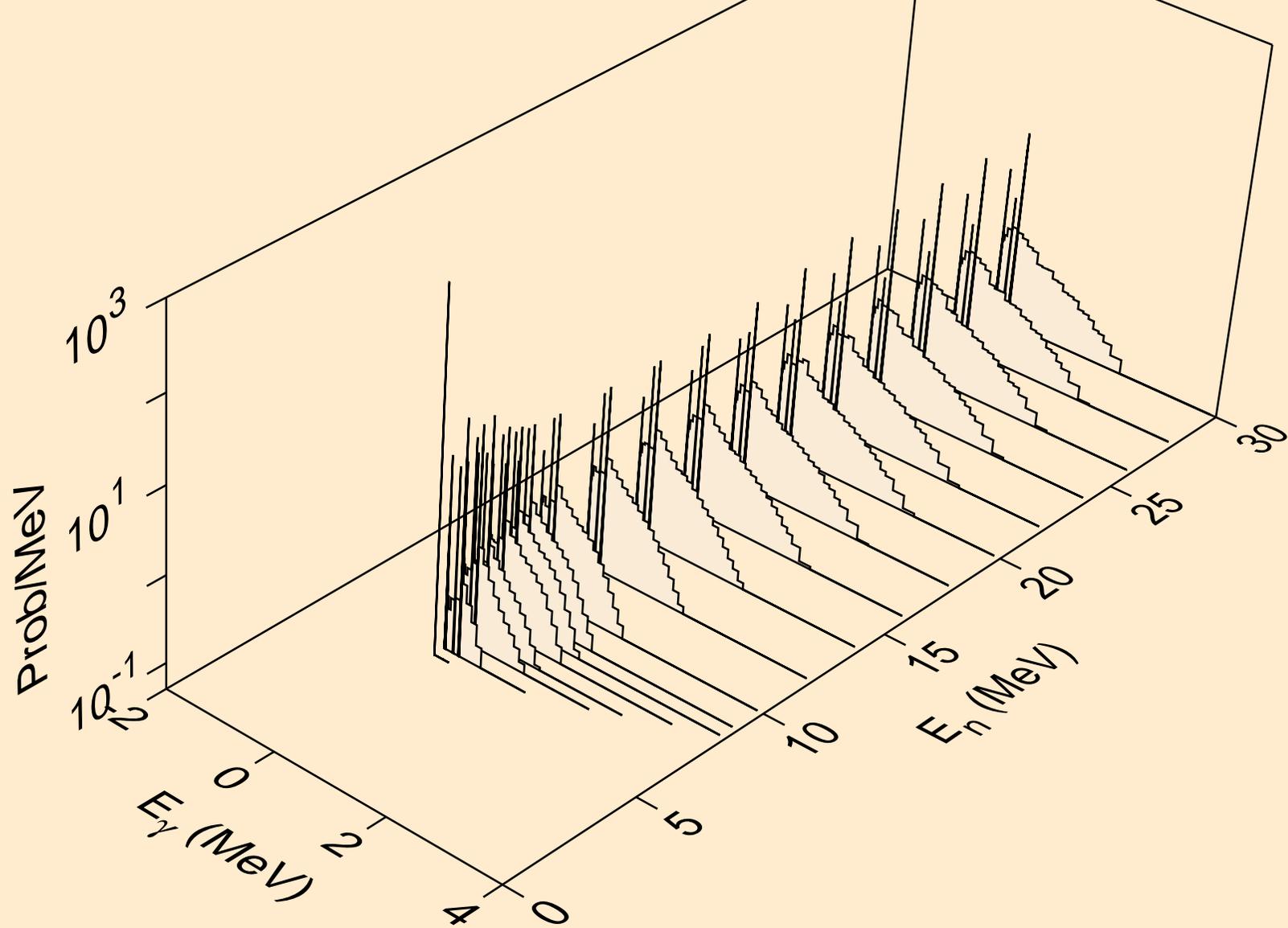
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Photon emission for (n,p)



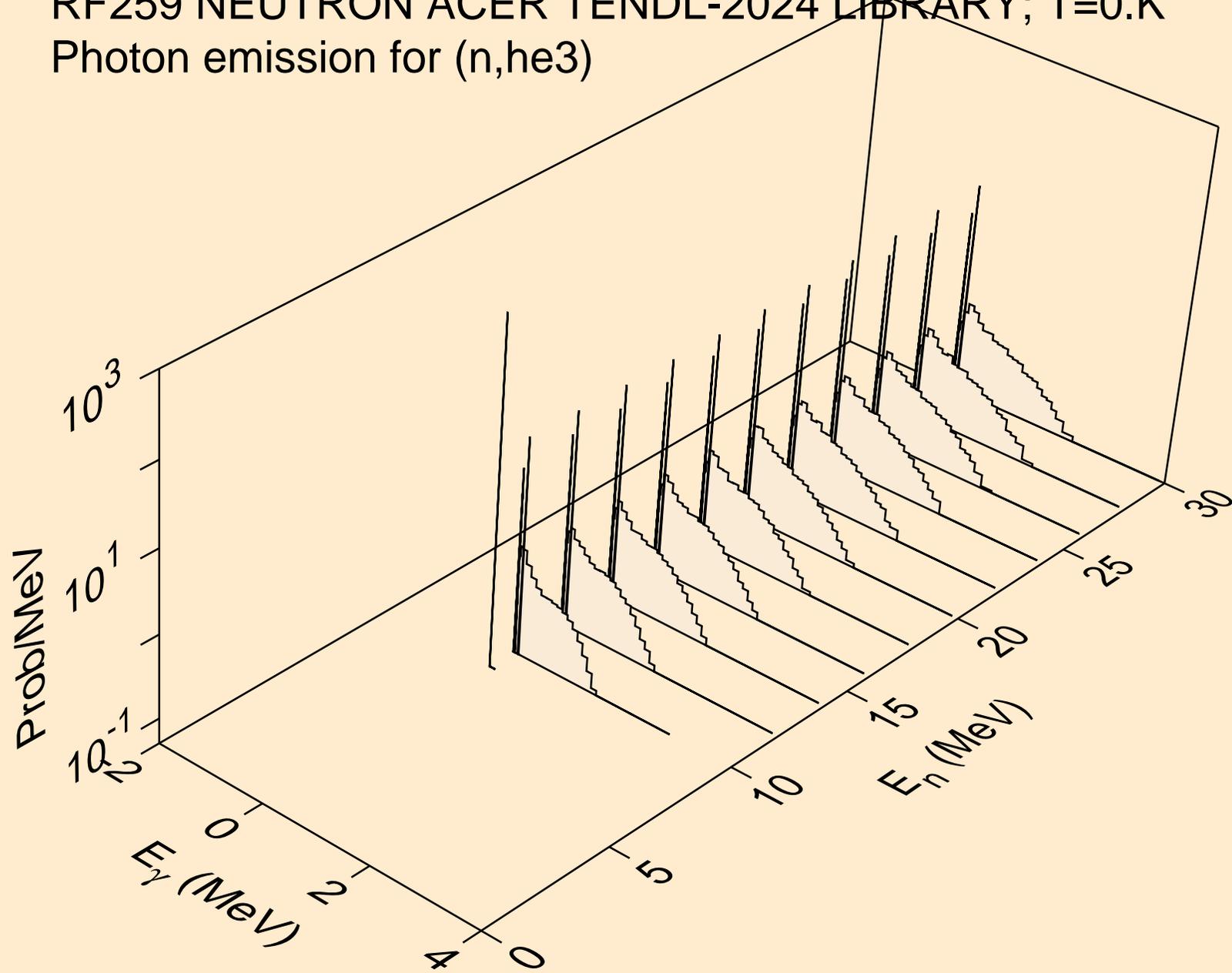
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



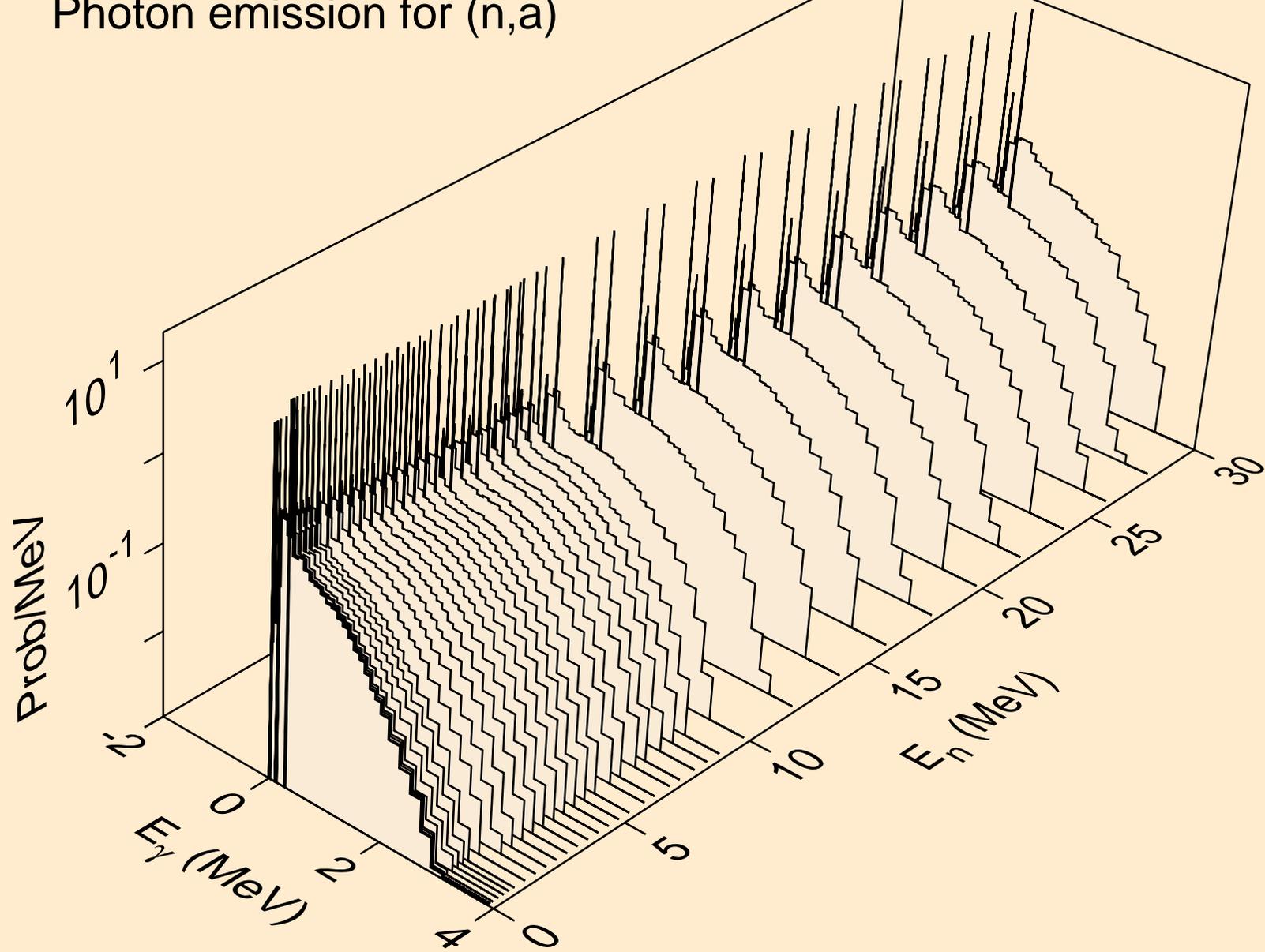
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Photon emission for (n,t)



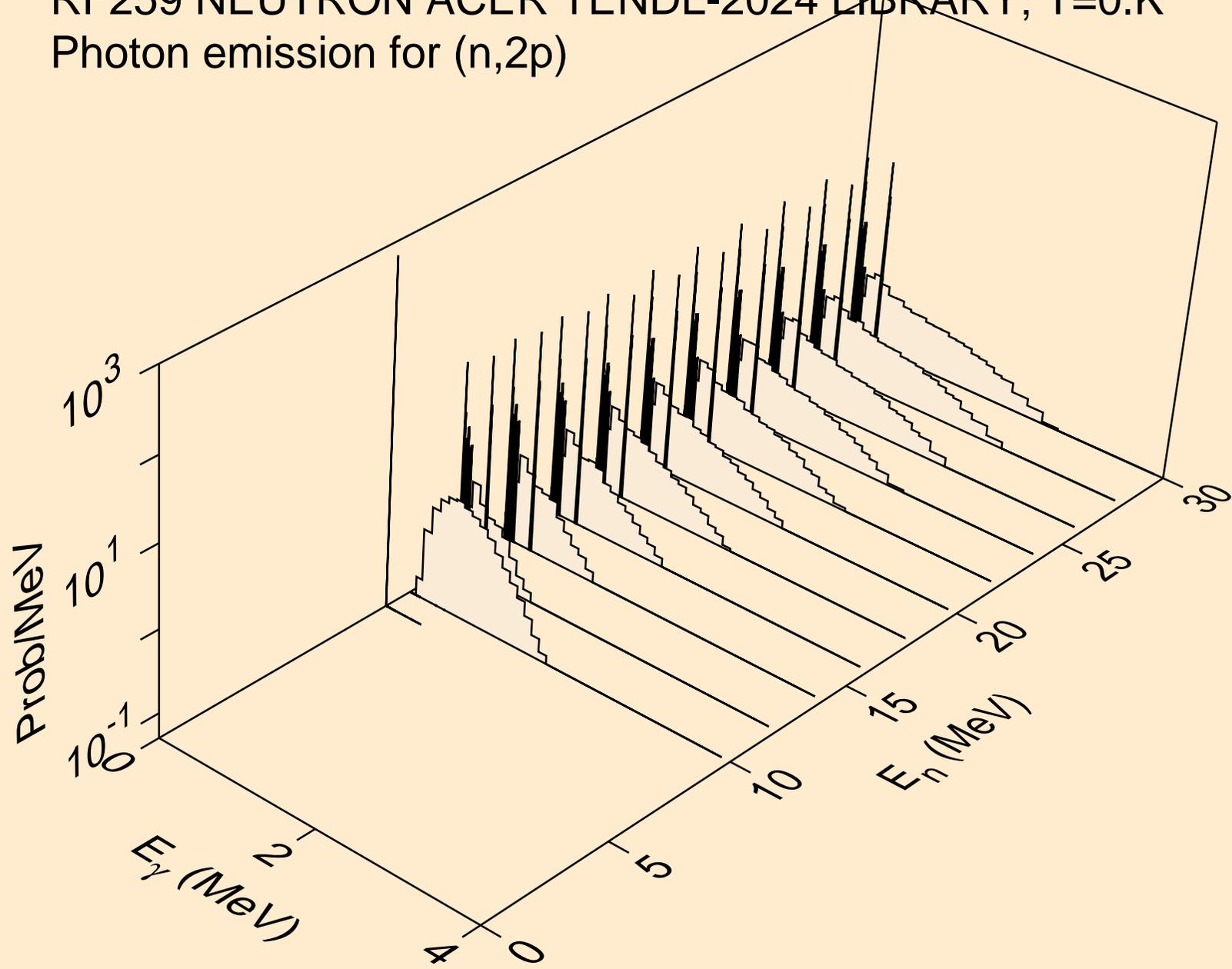
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Photon emission for (n,he3)



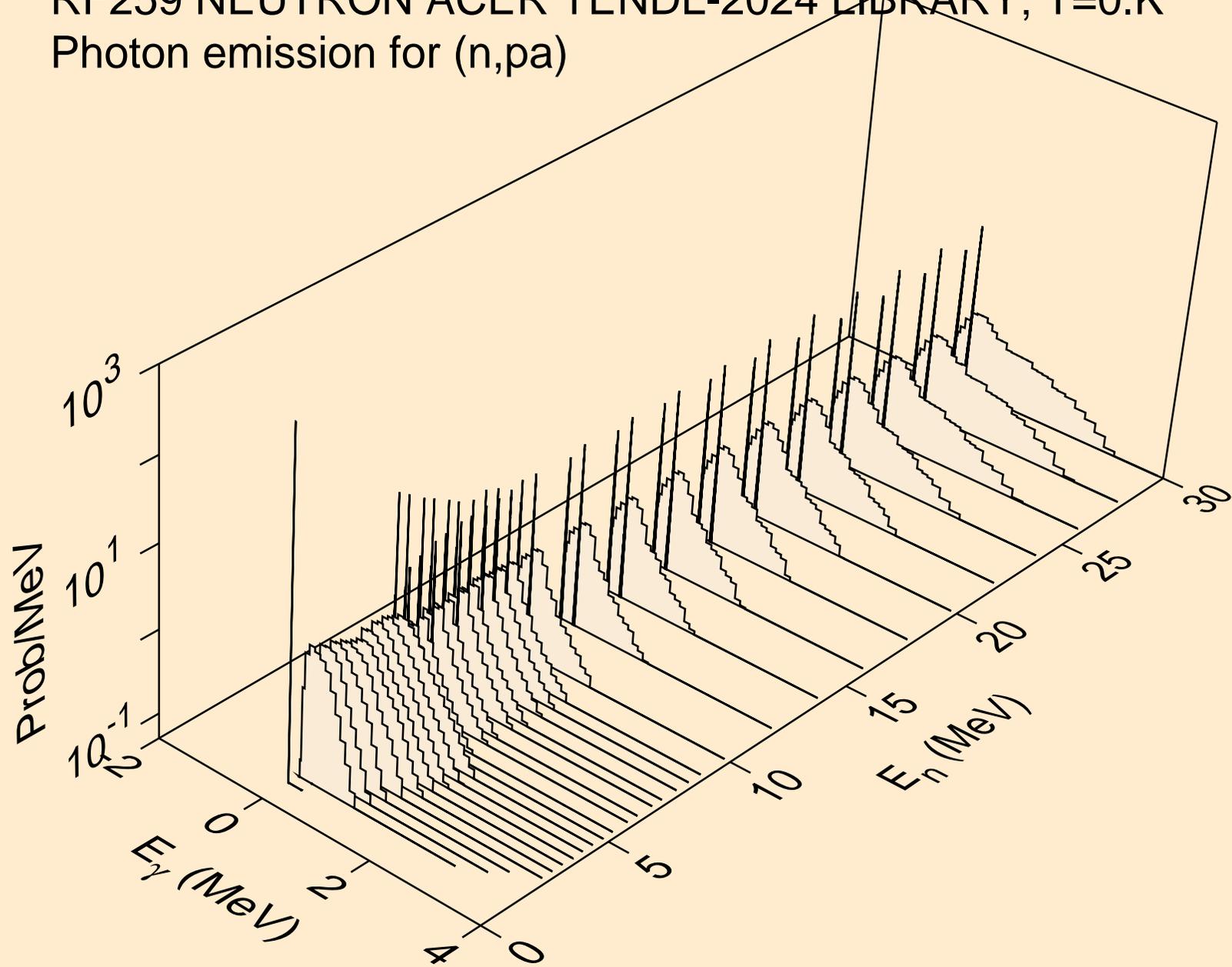
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Photon emission for (n,a)



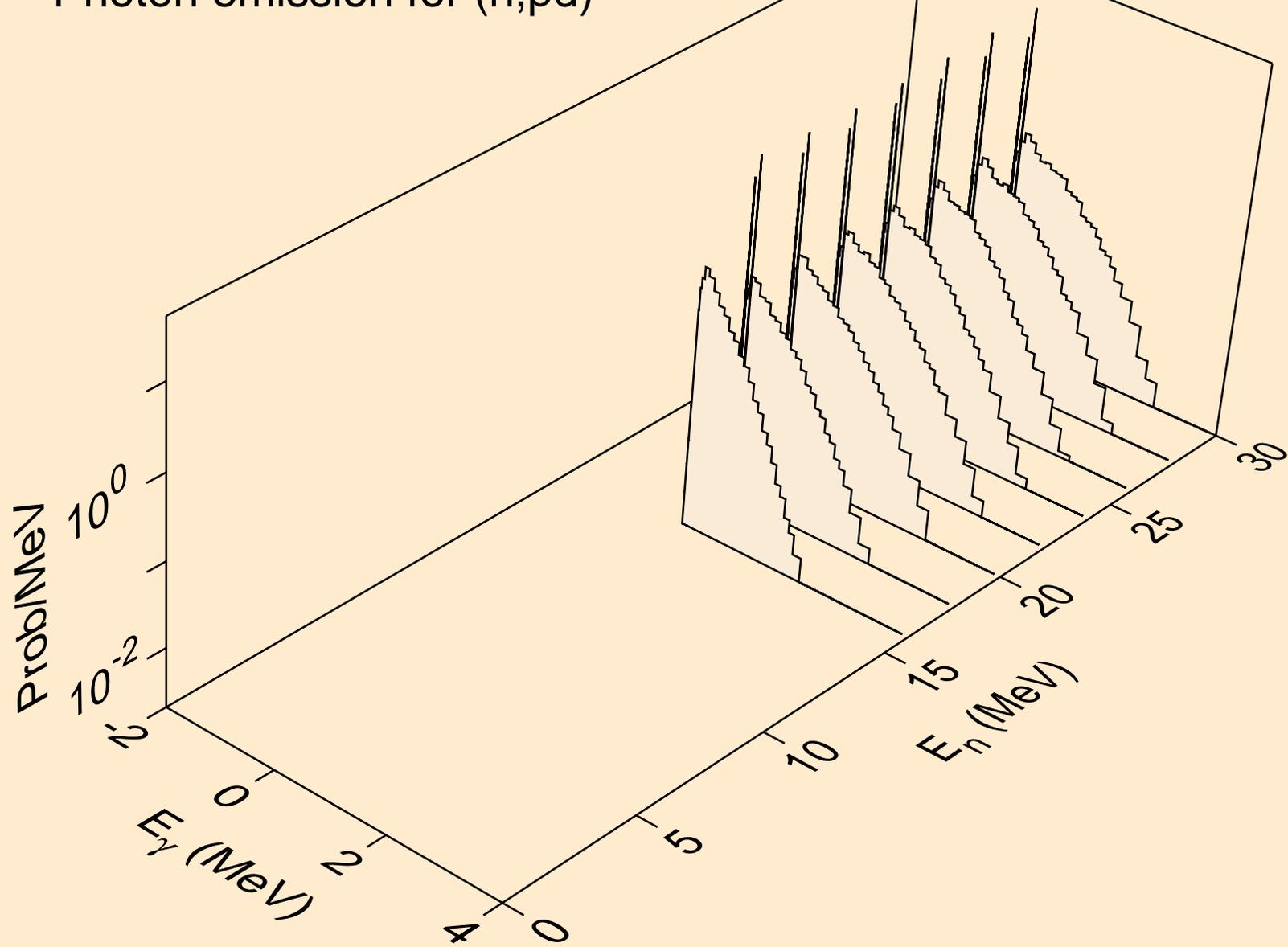
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Photon emission for (n,2p)



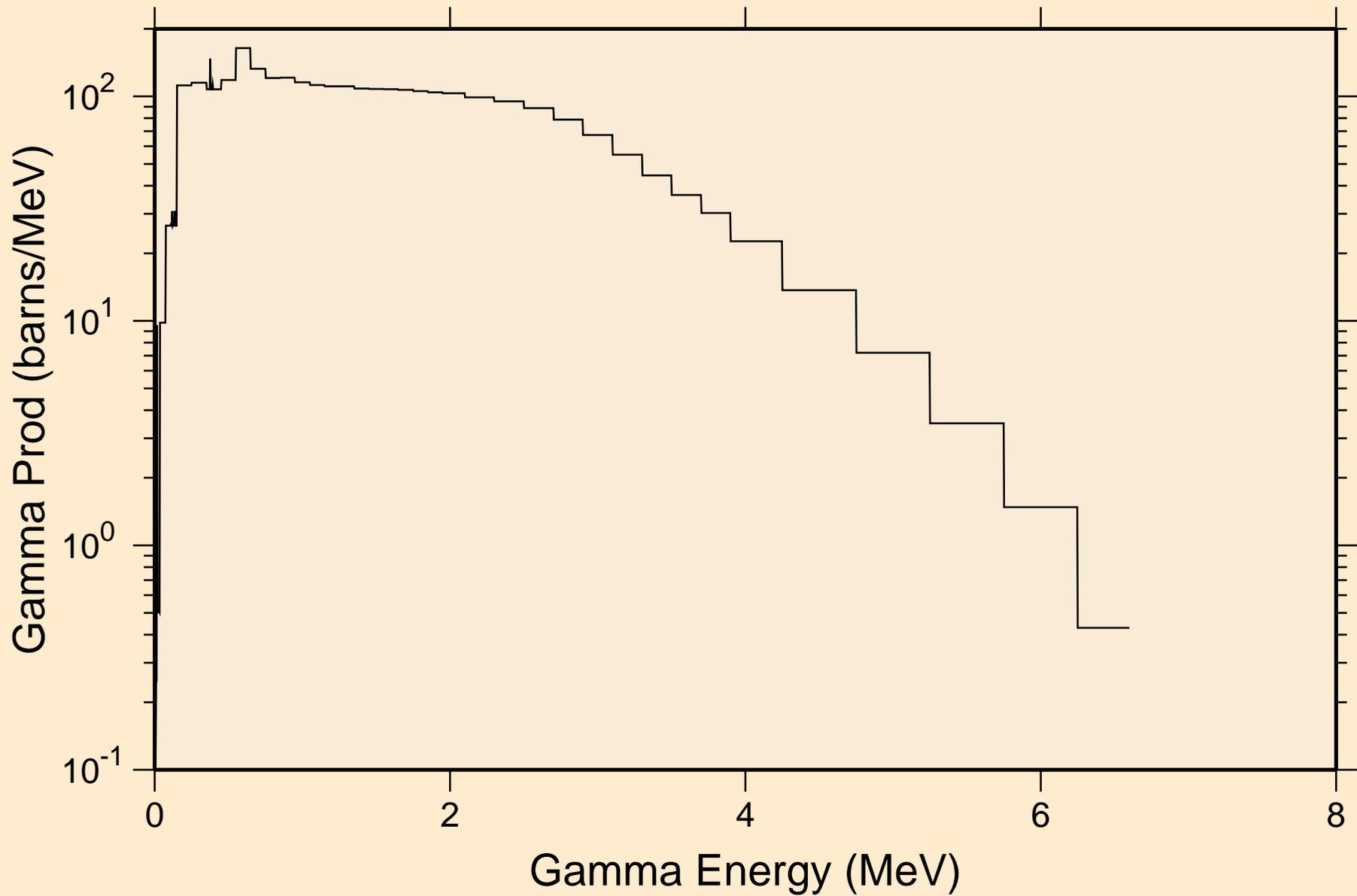
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Photon emission for (n,p)



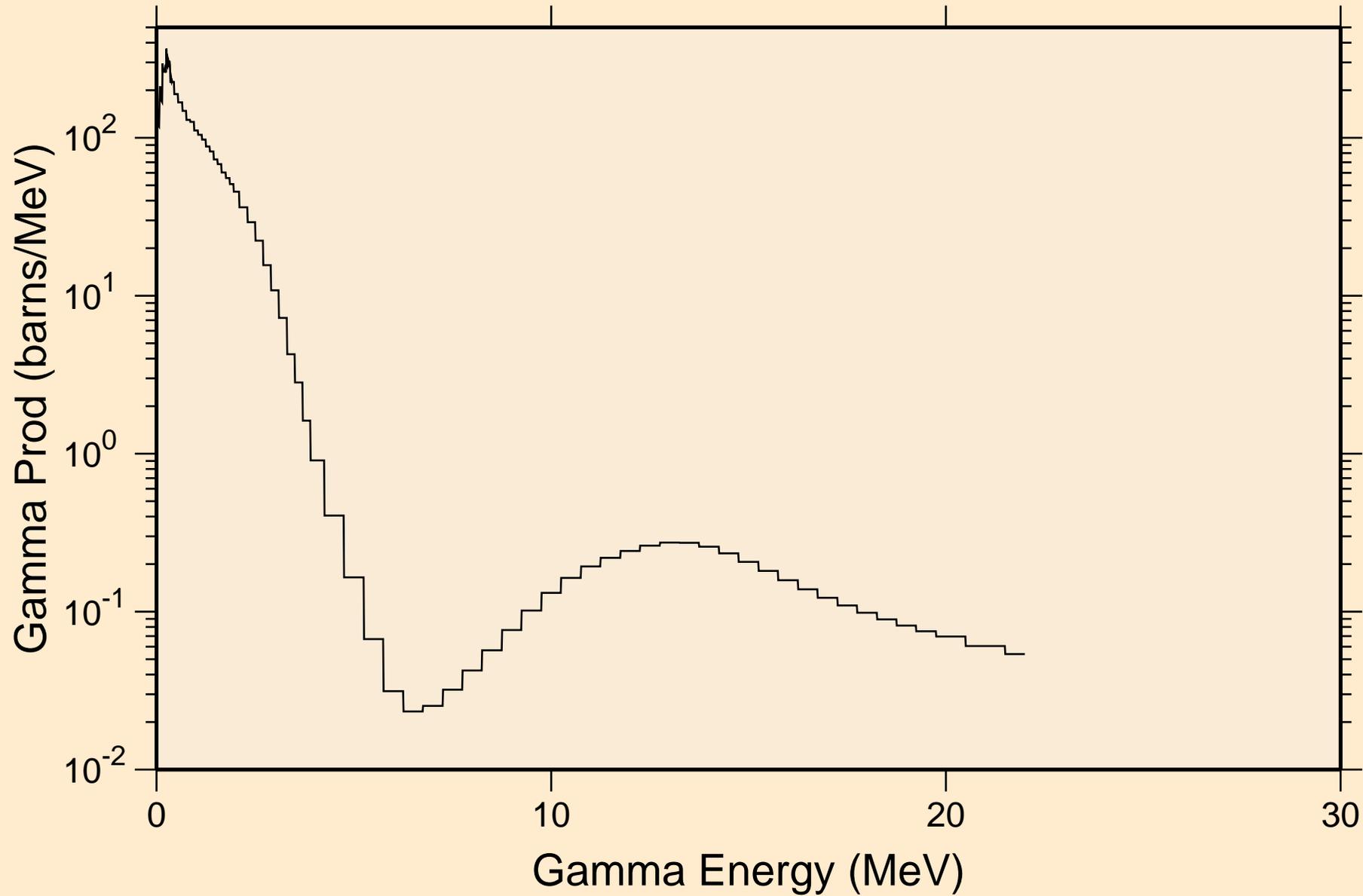
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

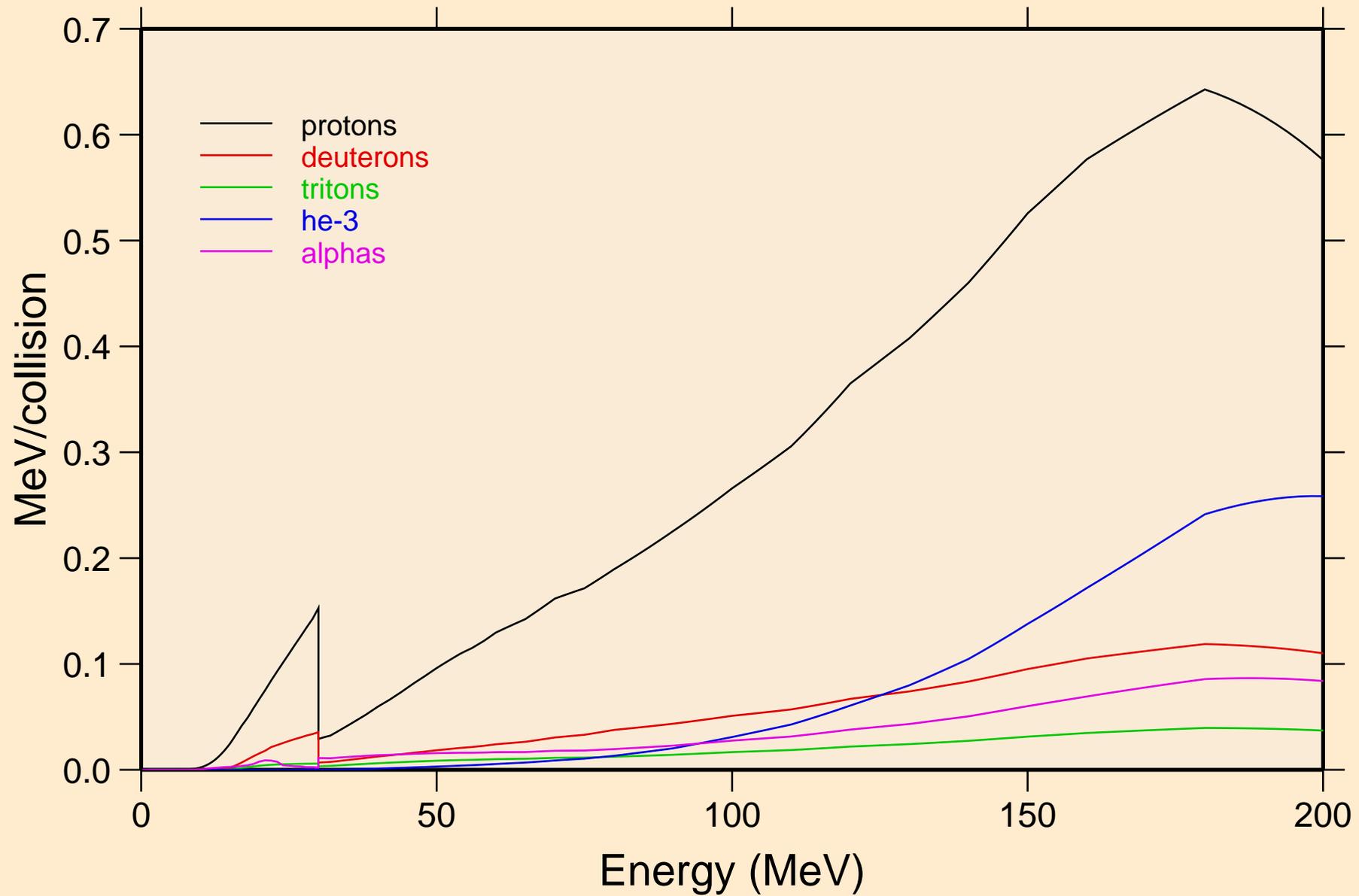


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14 MeV photon spectrum

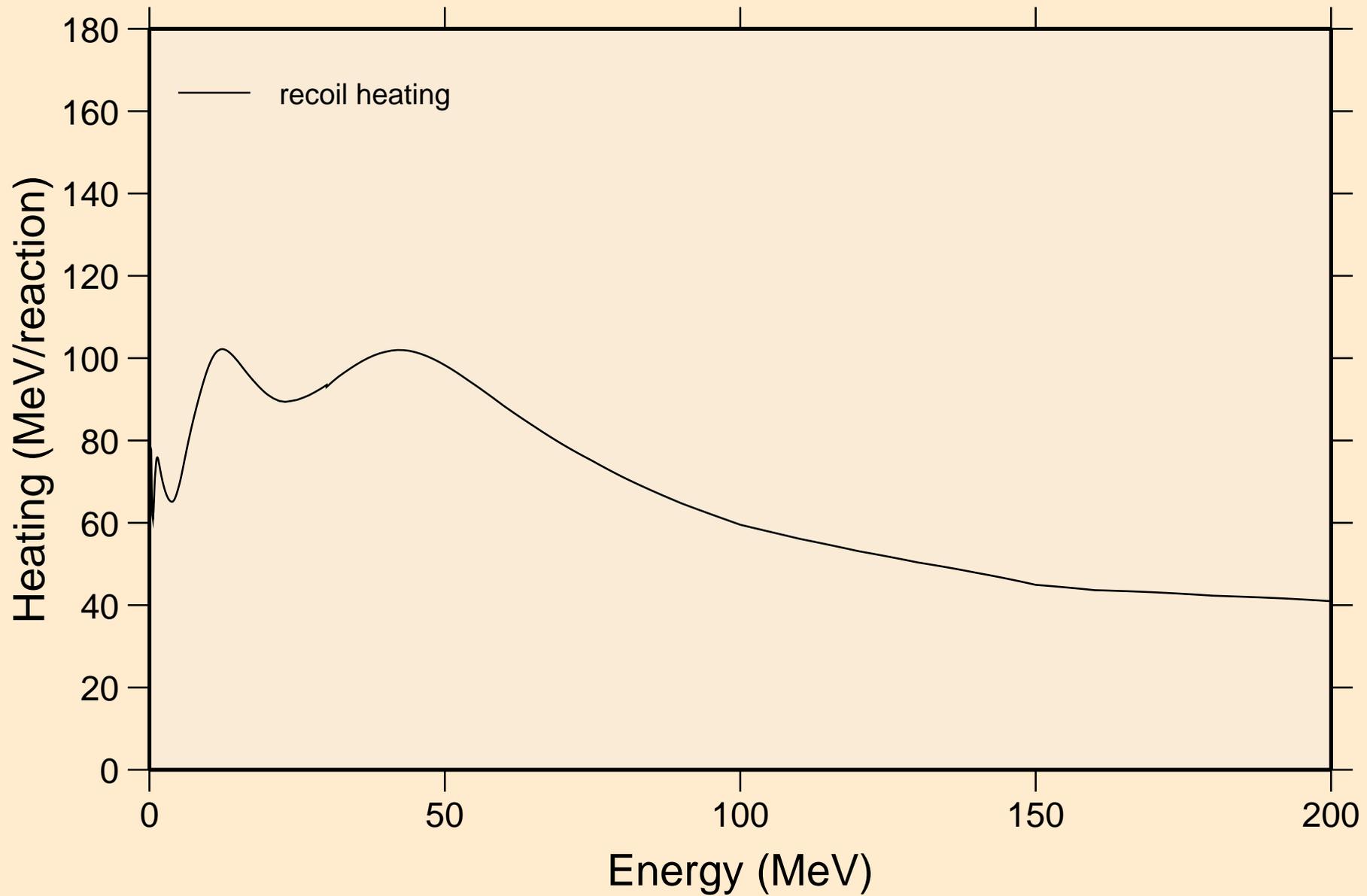


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## Particle heating contributions

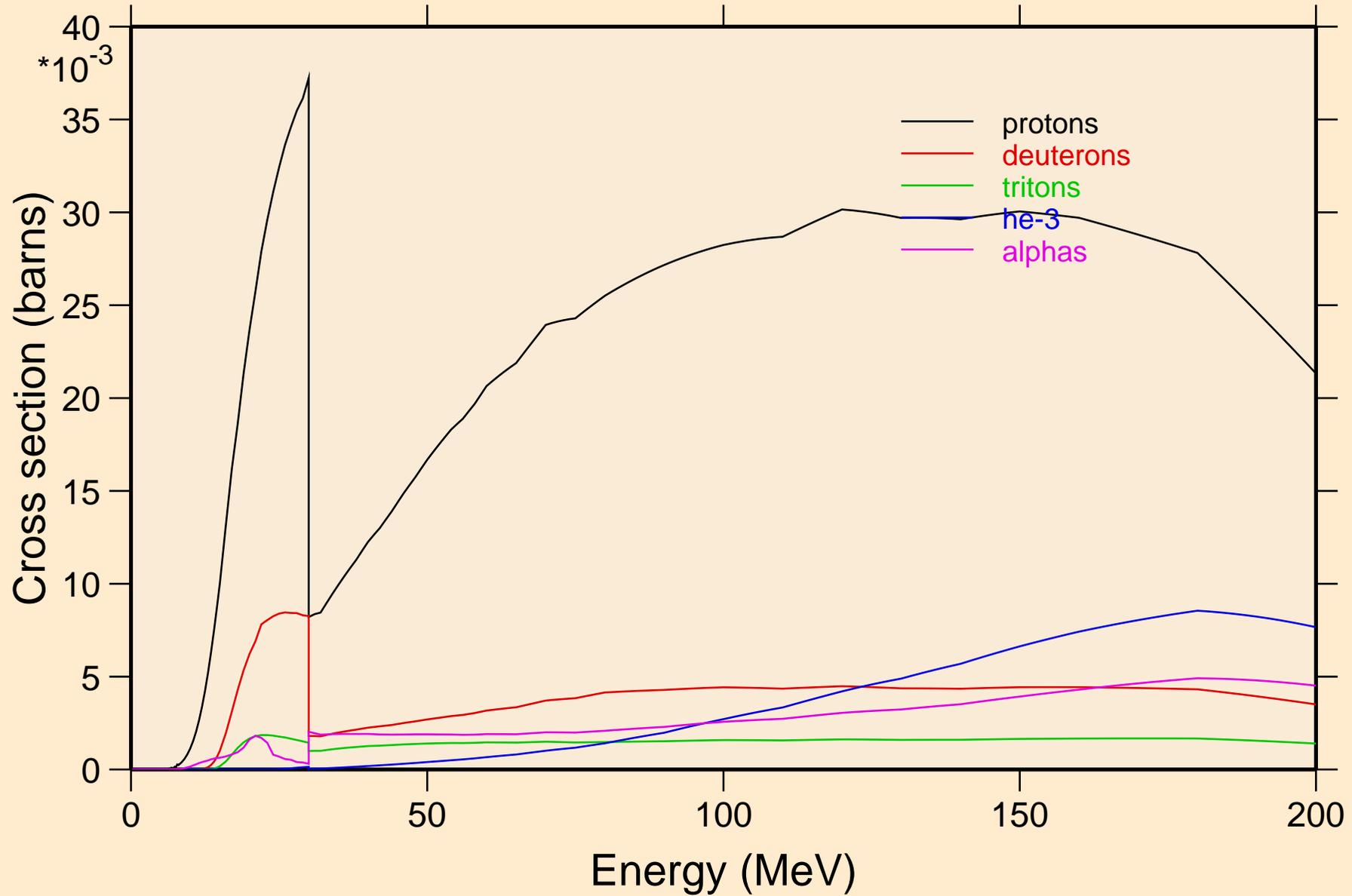


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Recoil Heating

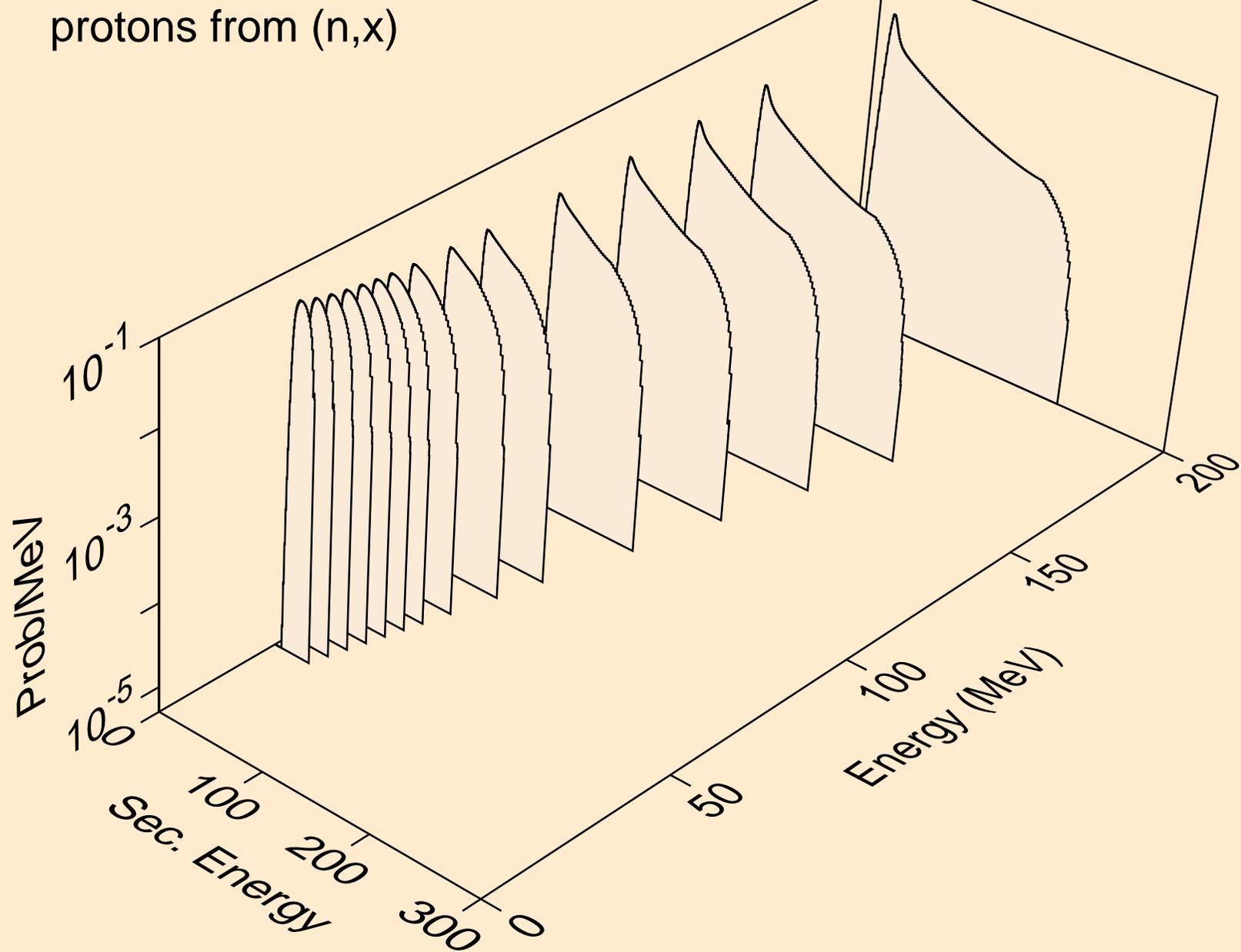


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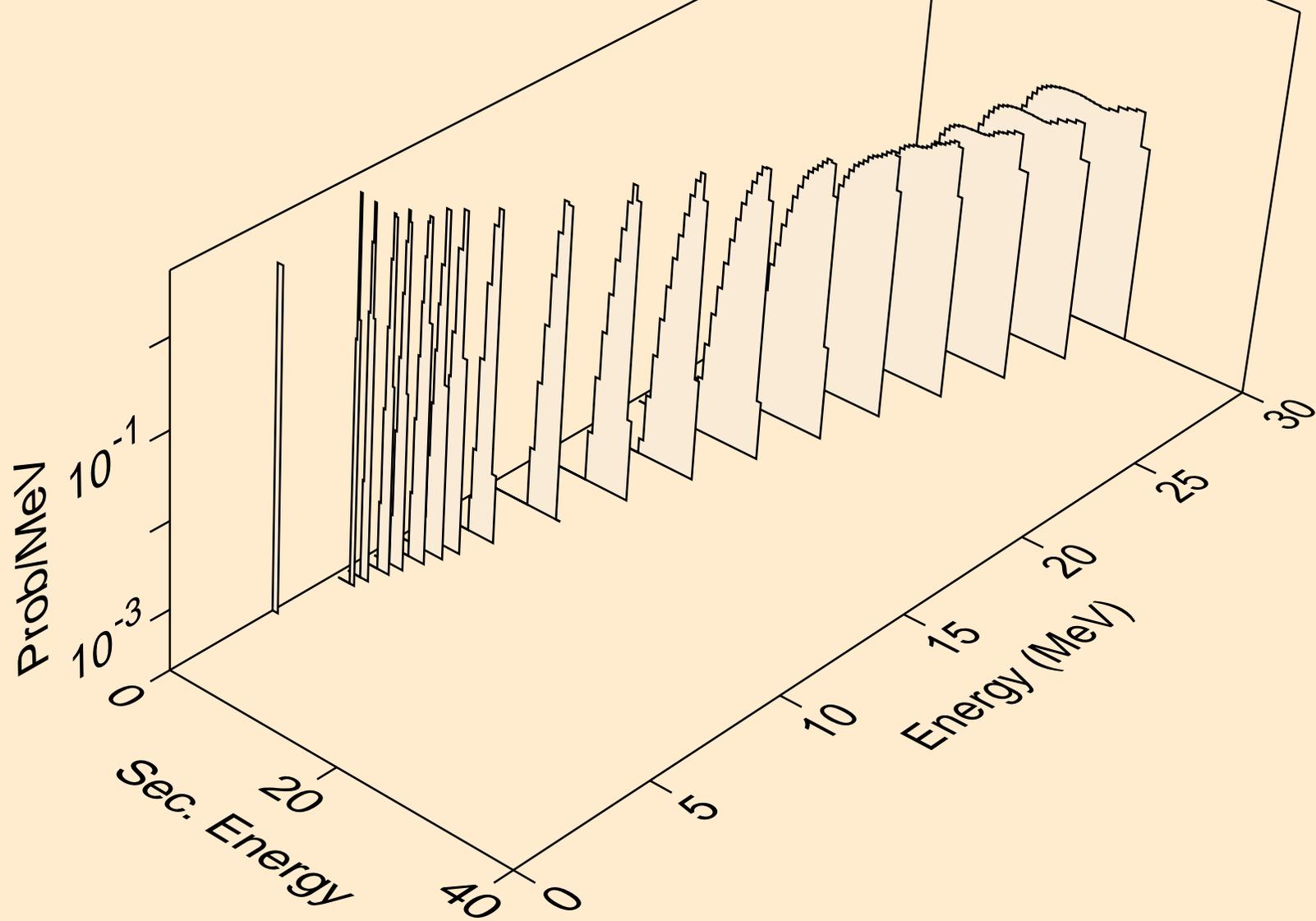
## Particle production cross sections



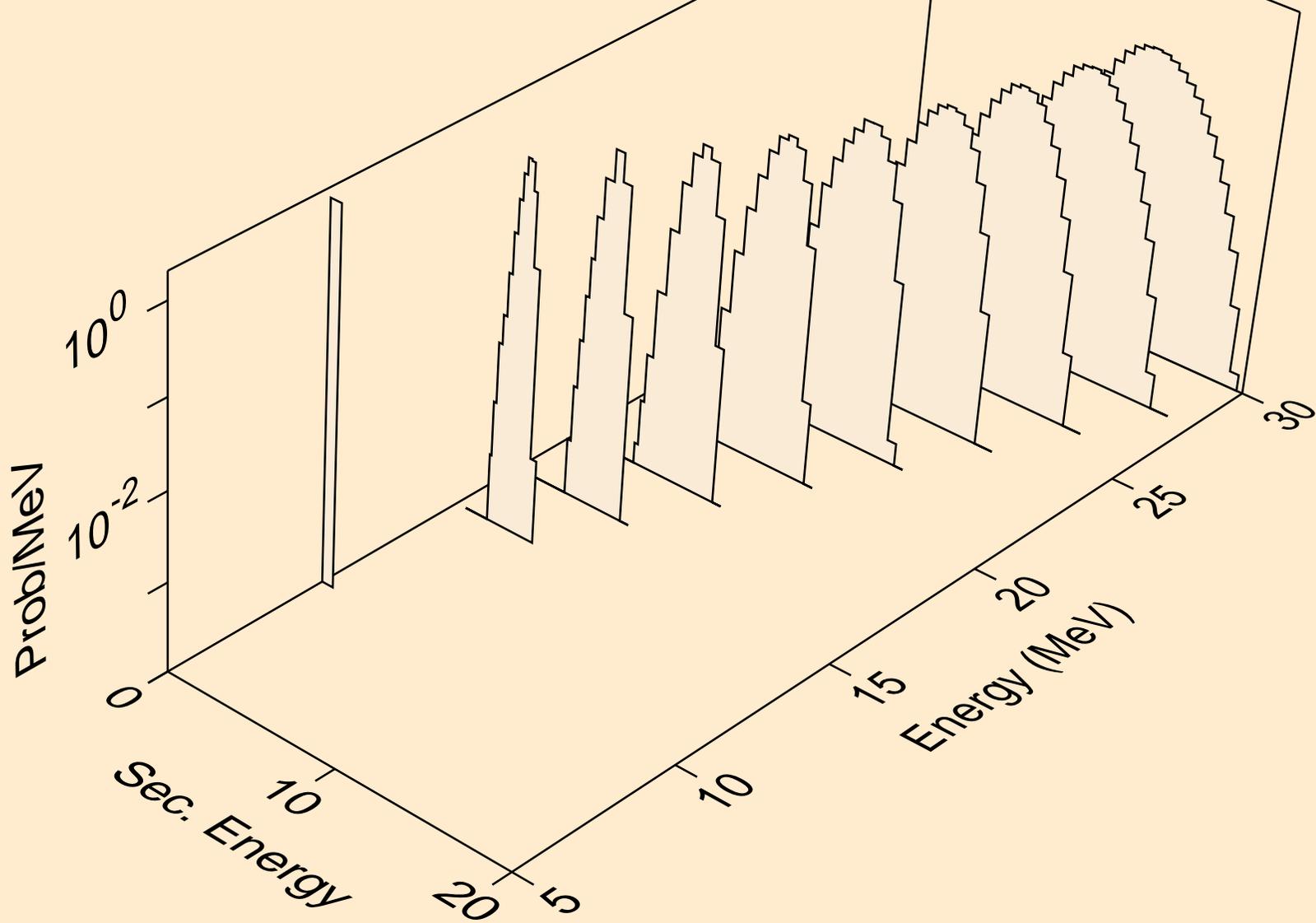
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



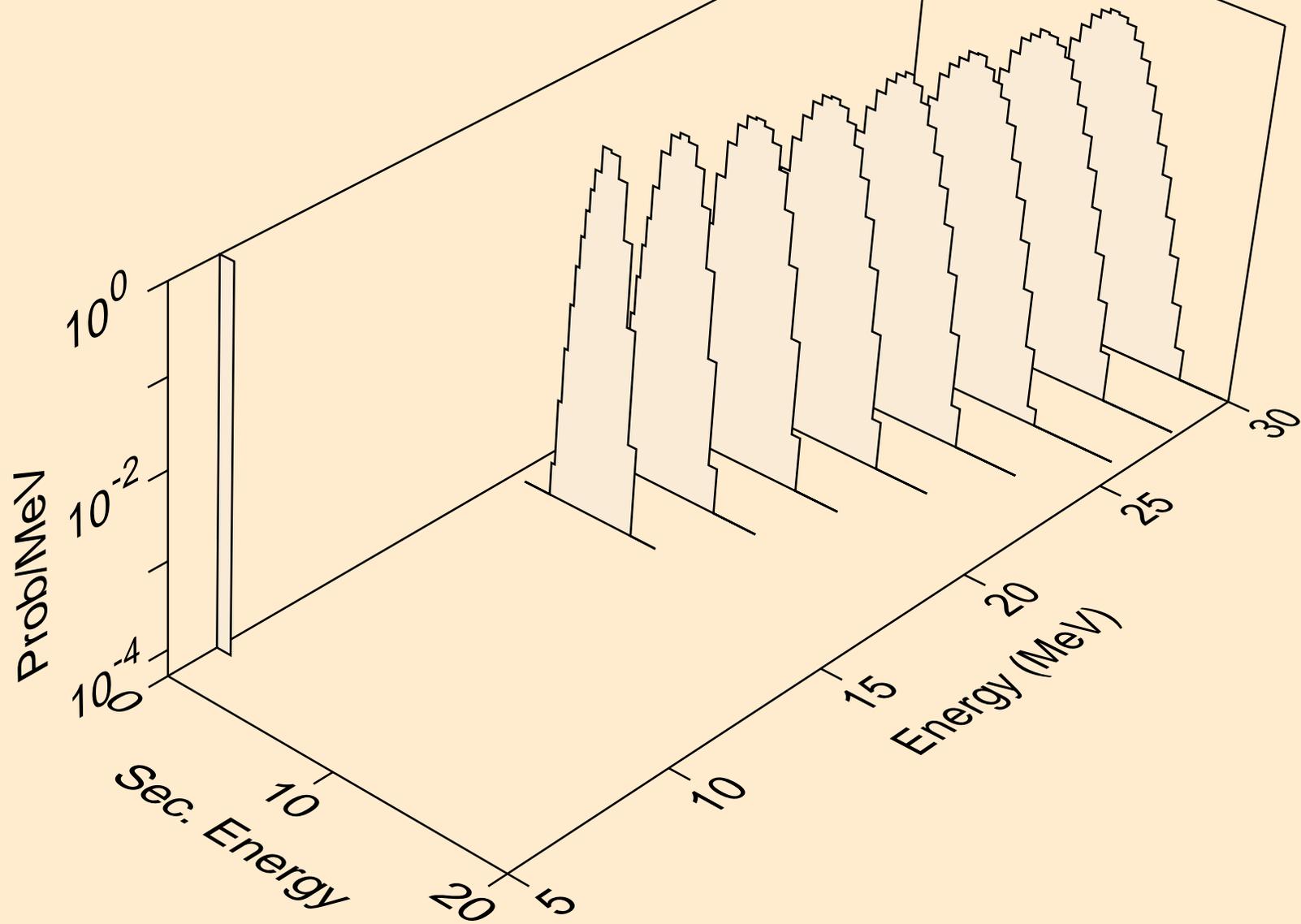
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protons from (n,n\*)p



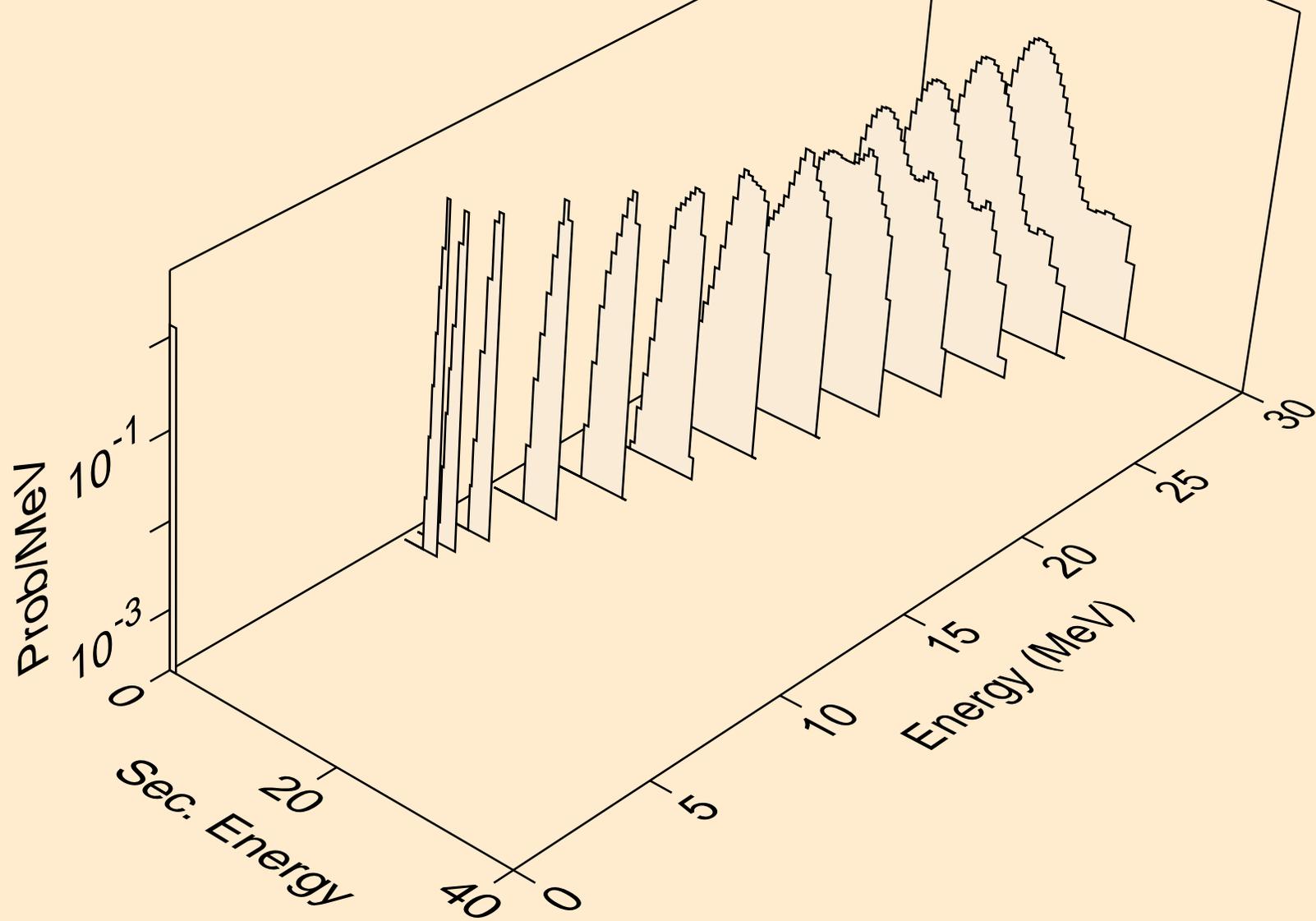
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protons from (n,2np)



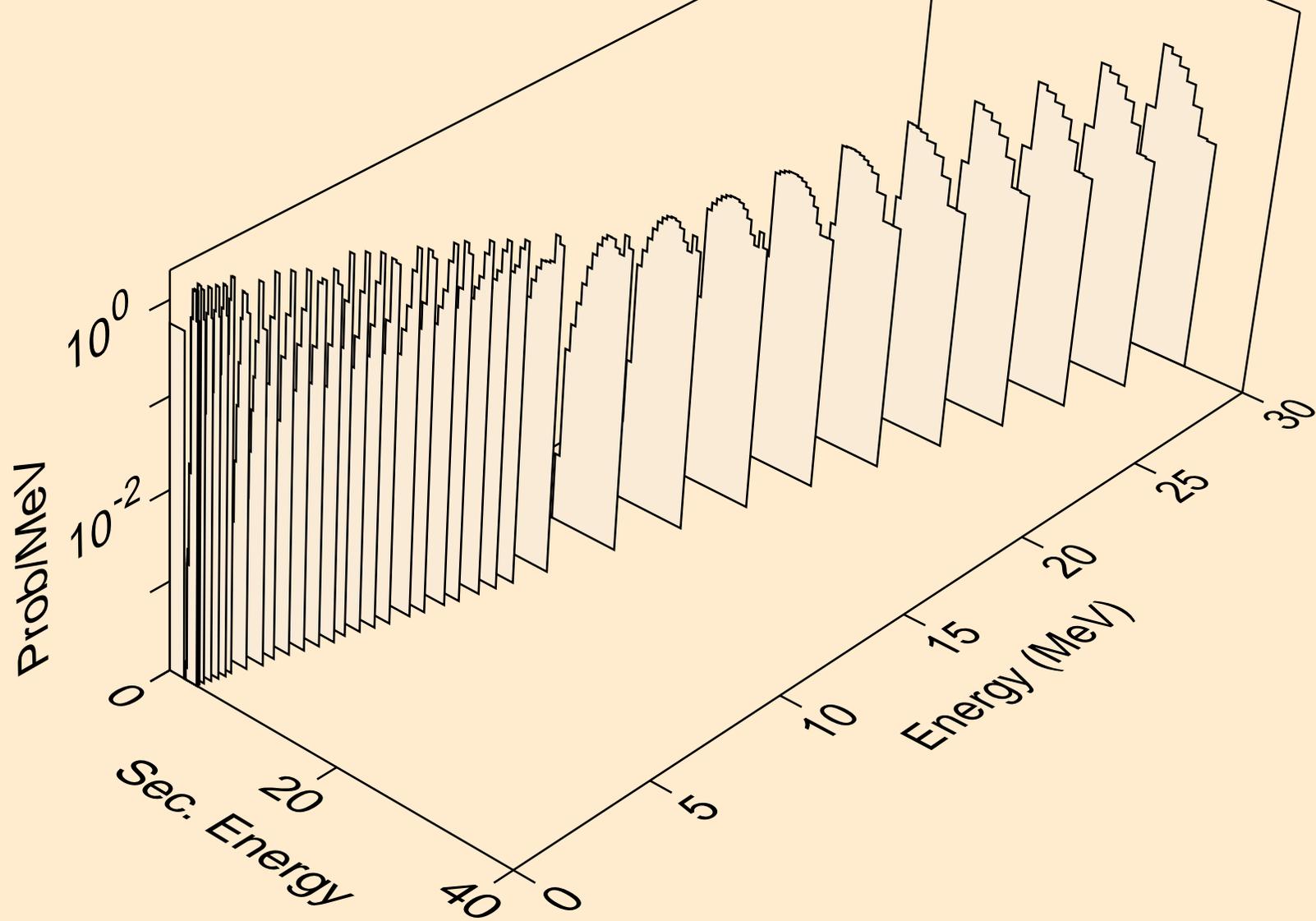
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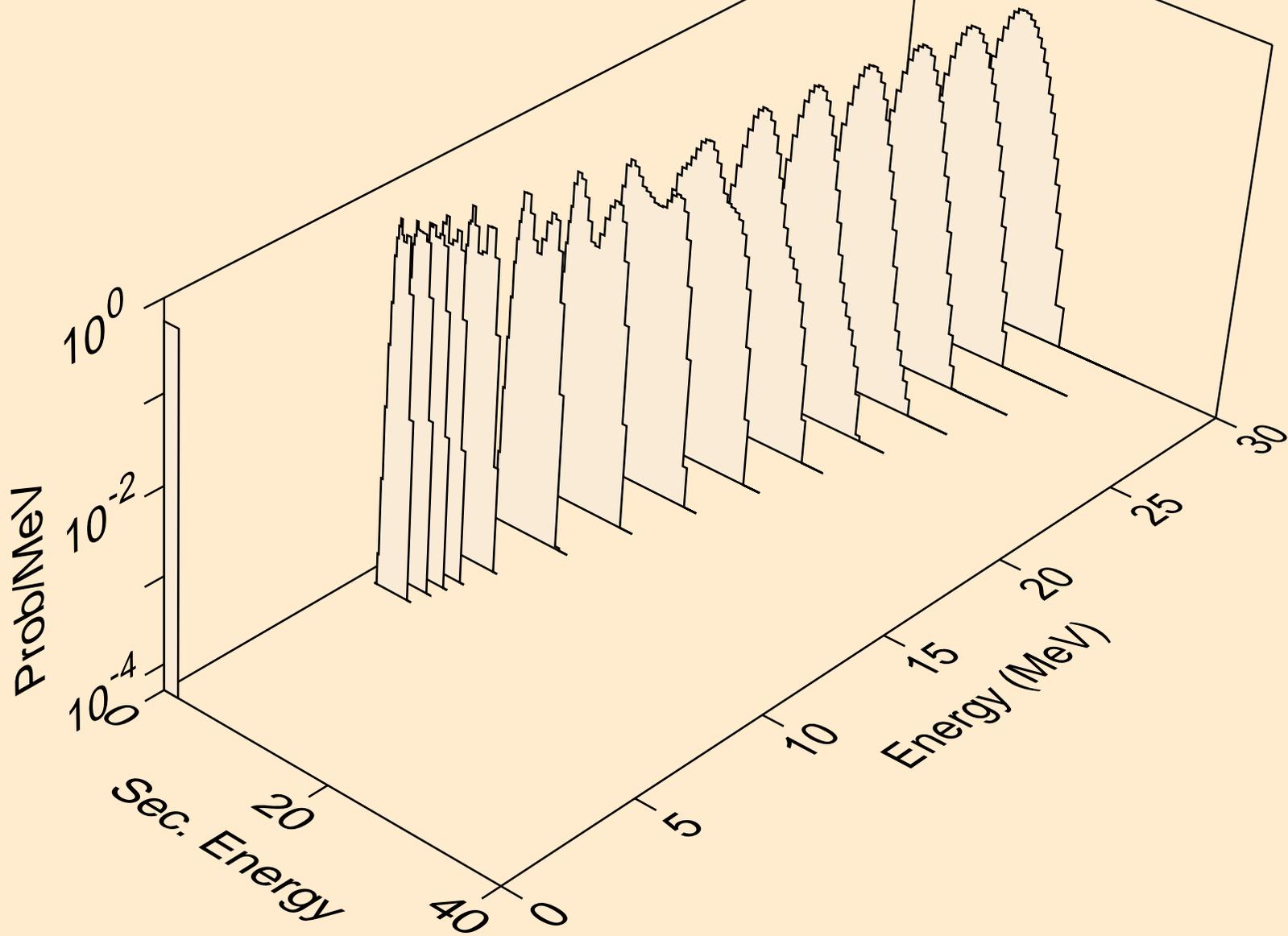
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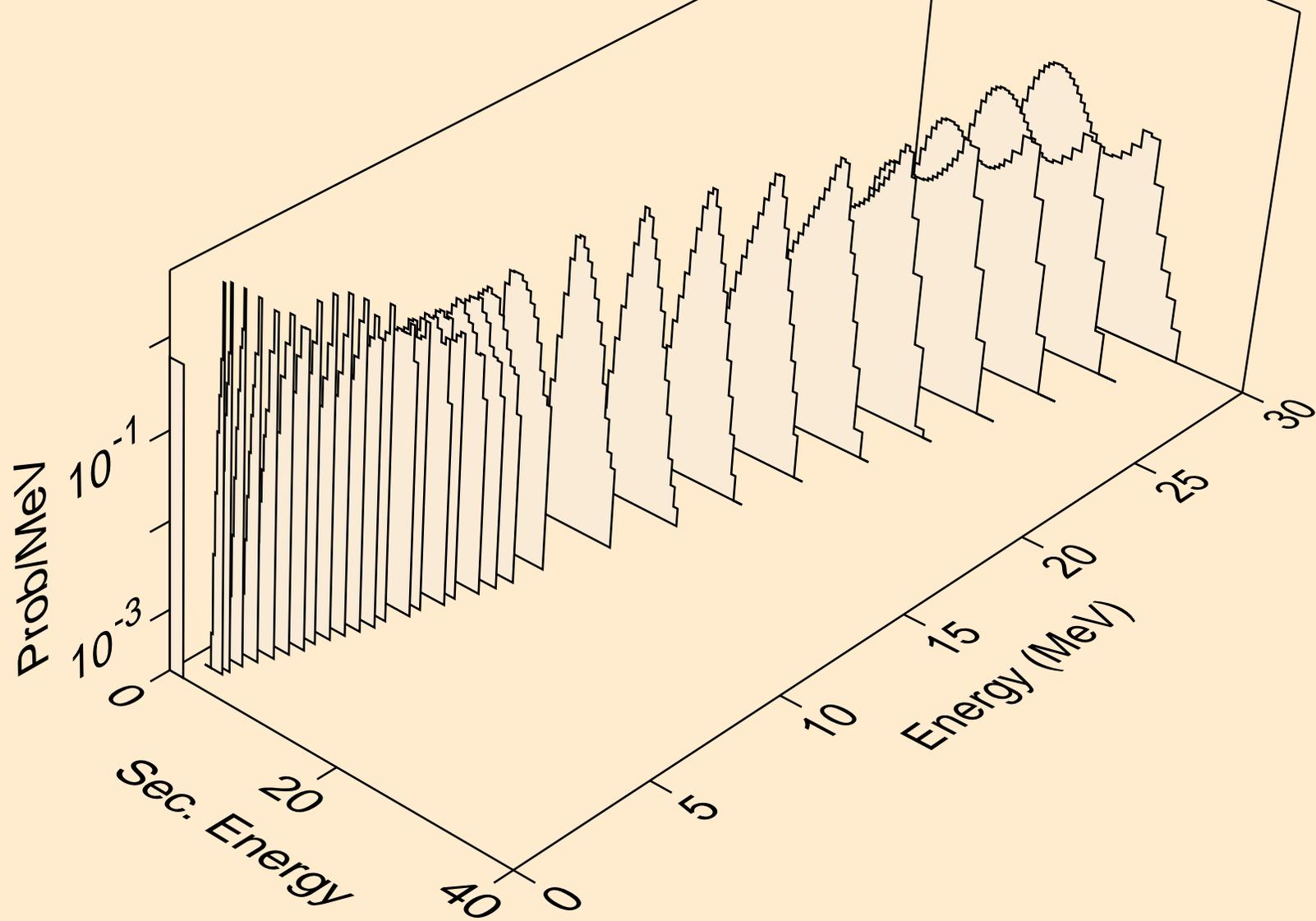
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protons from (n,p)



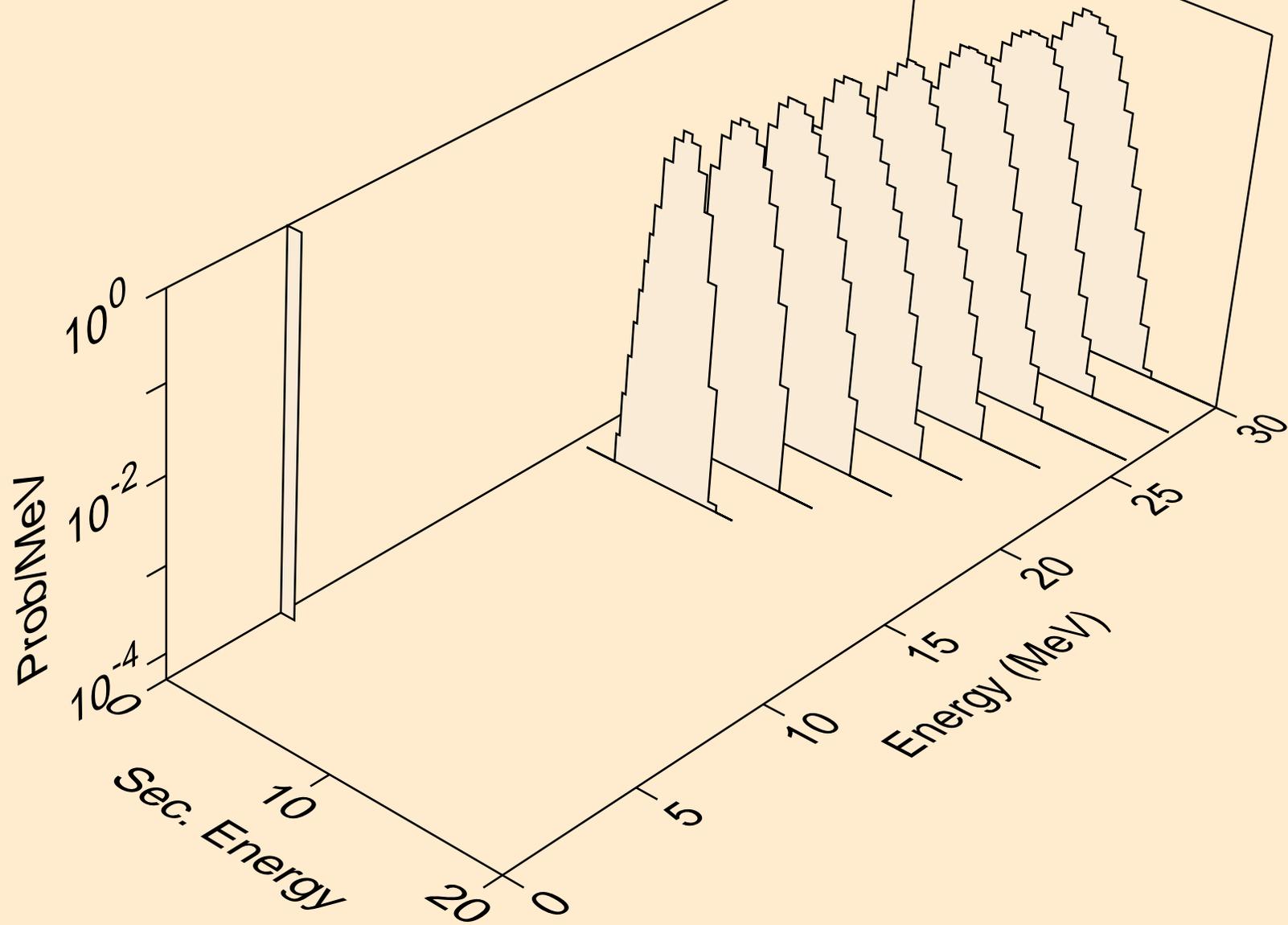
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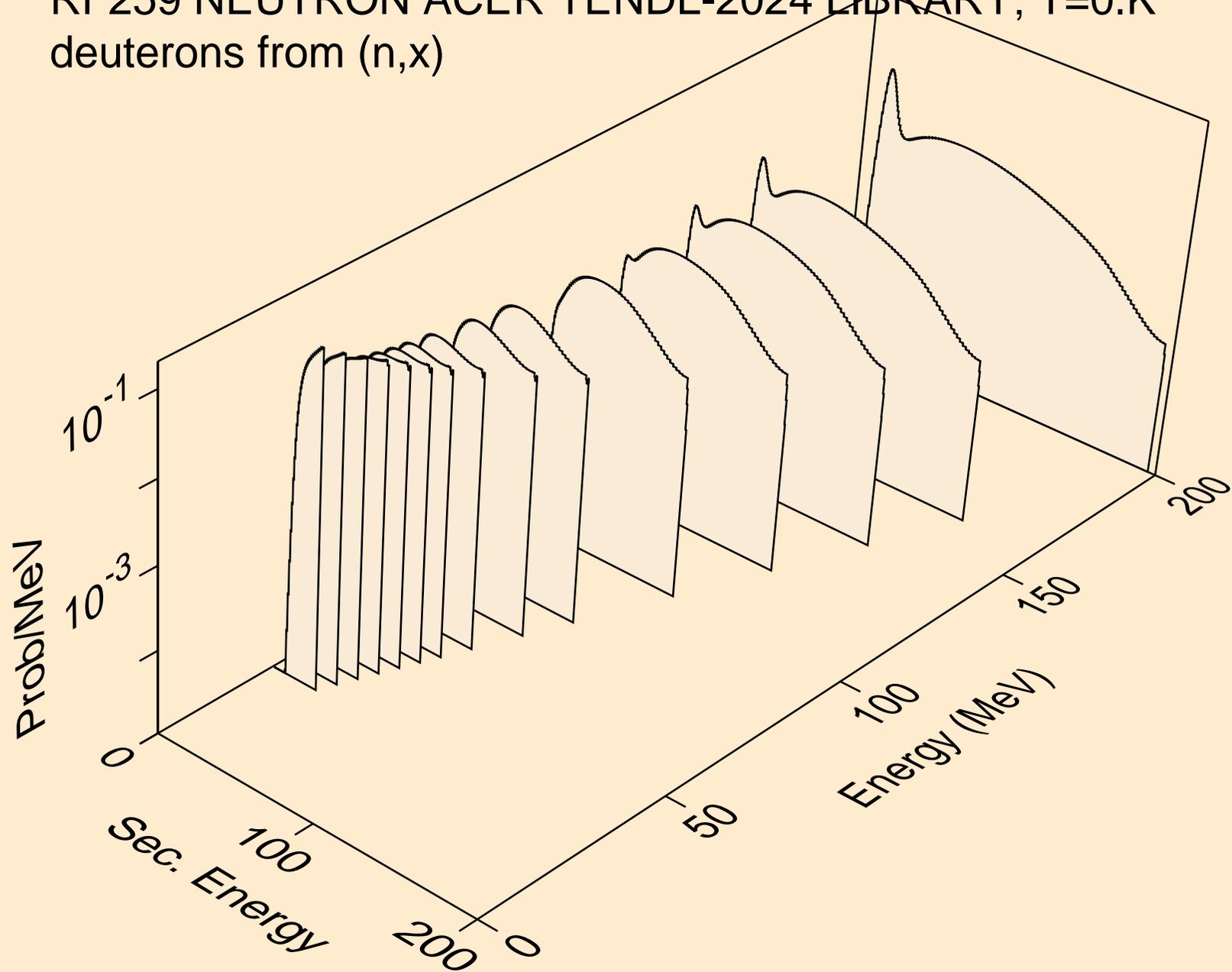
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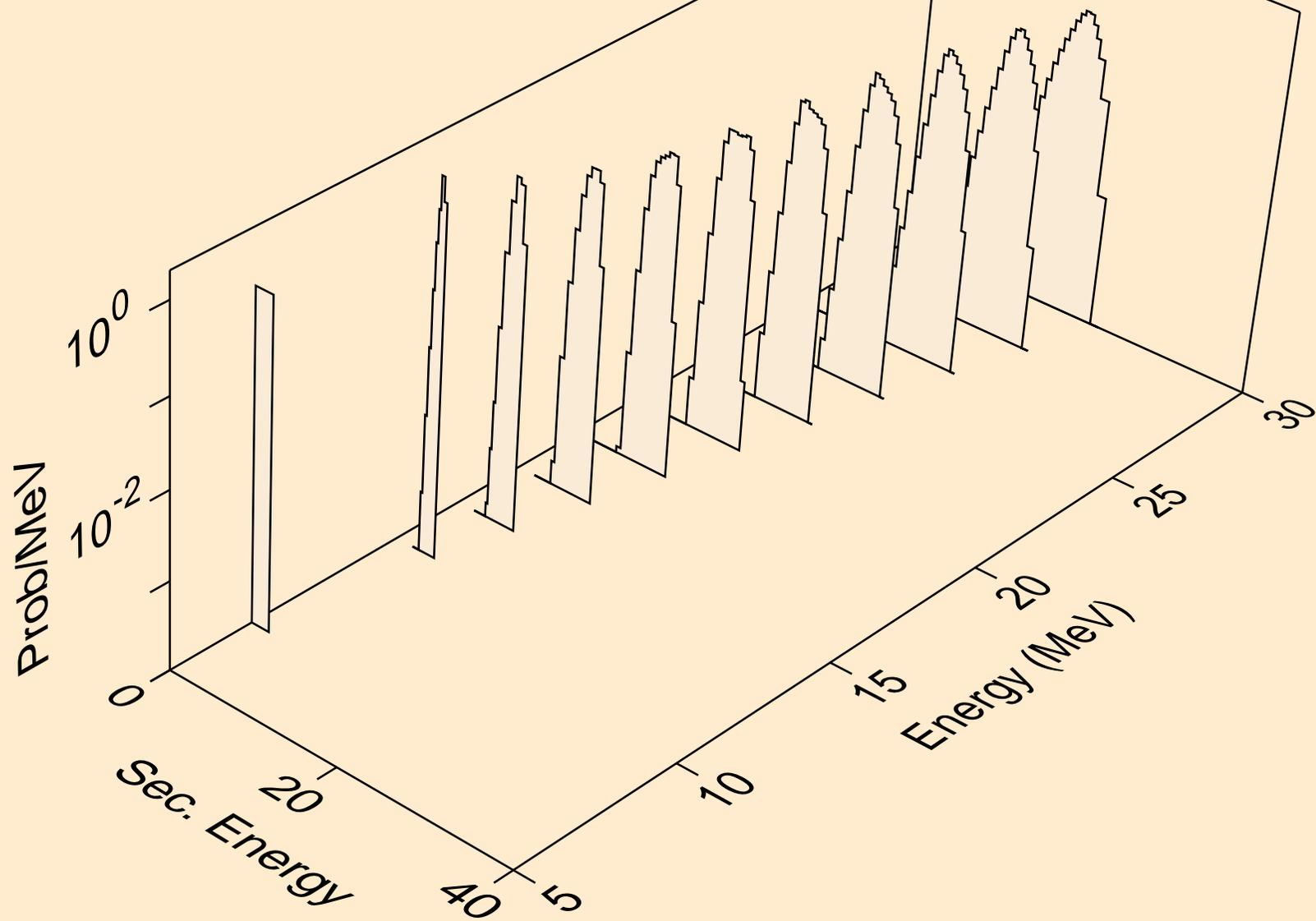
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protons from (n,pd)



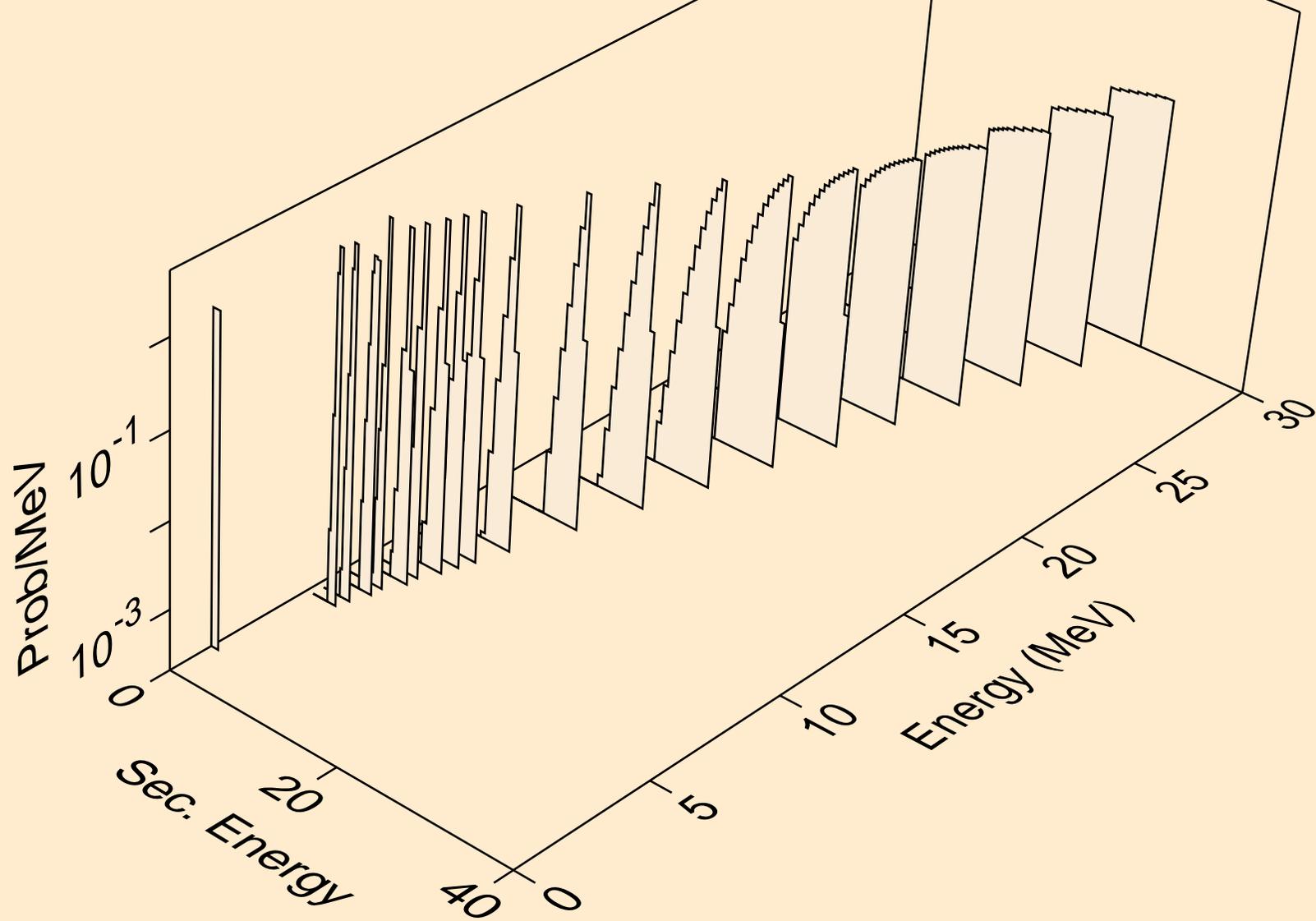
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deuterons from (n,x)



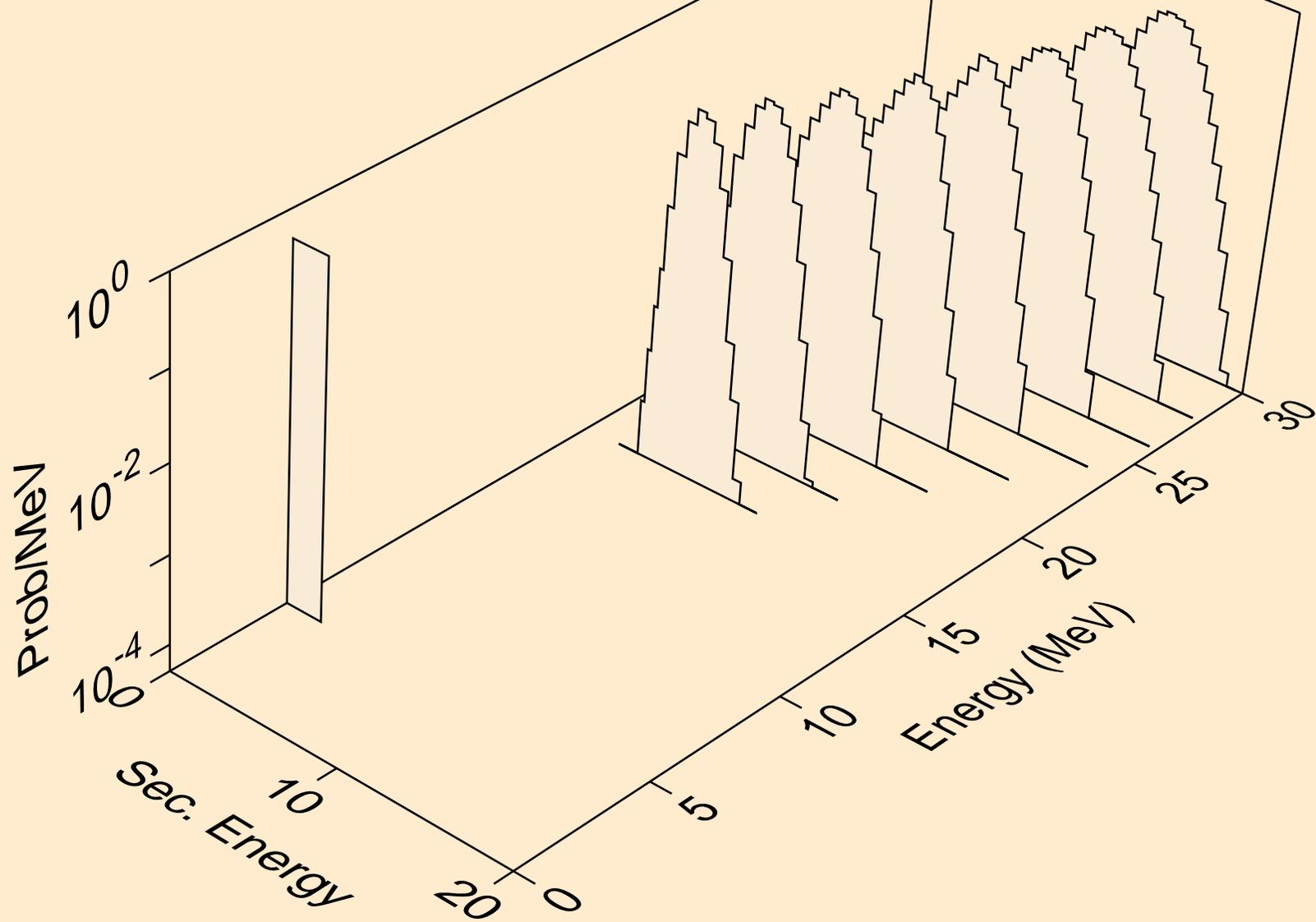
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deuterons from (n,n\*)d



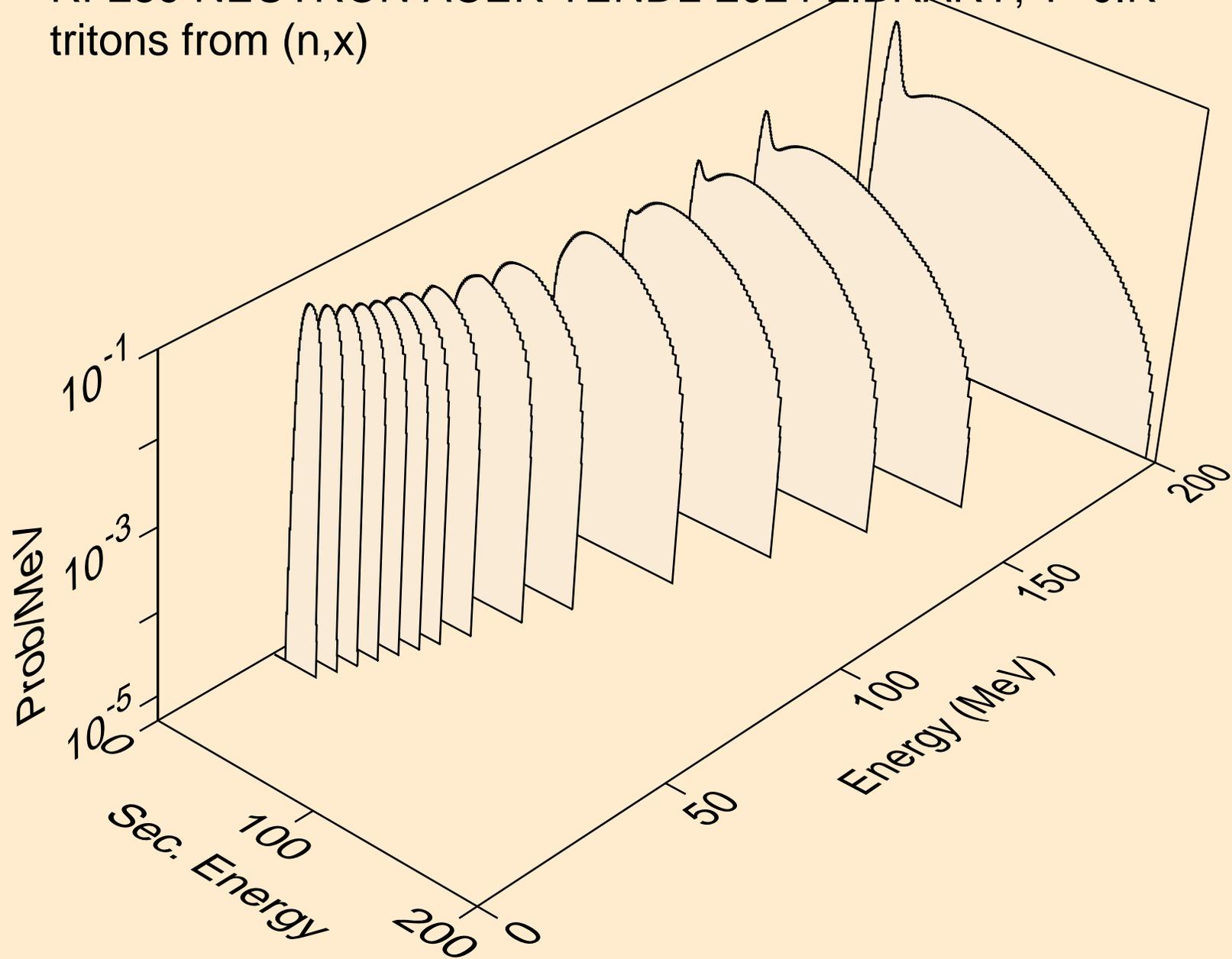
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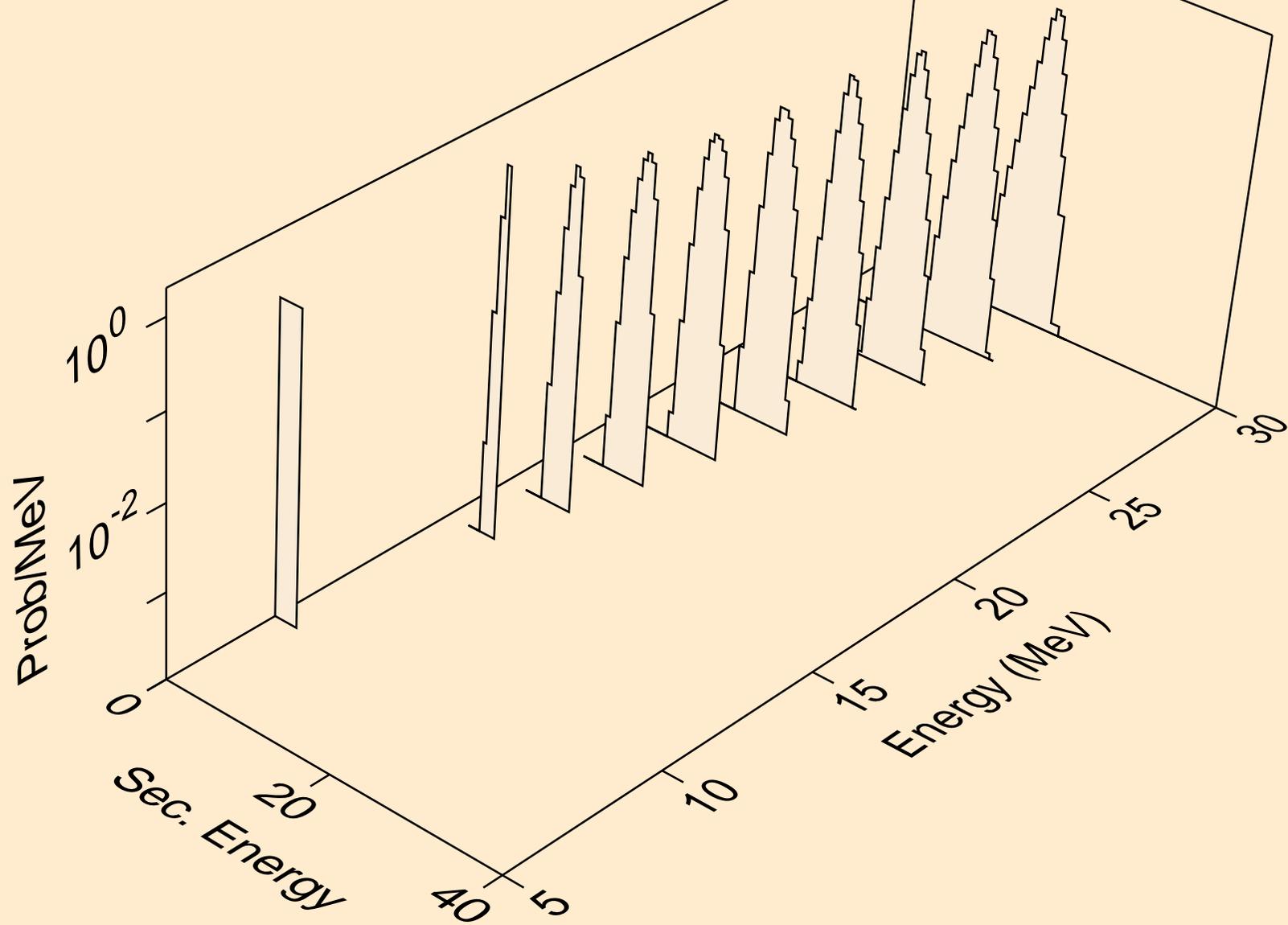
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deuterons from (n,pd)



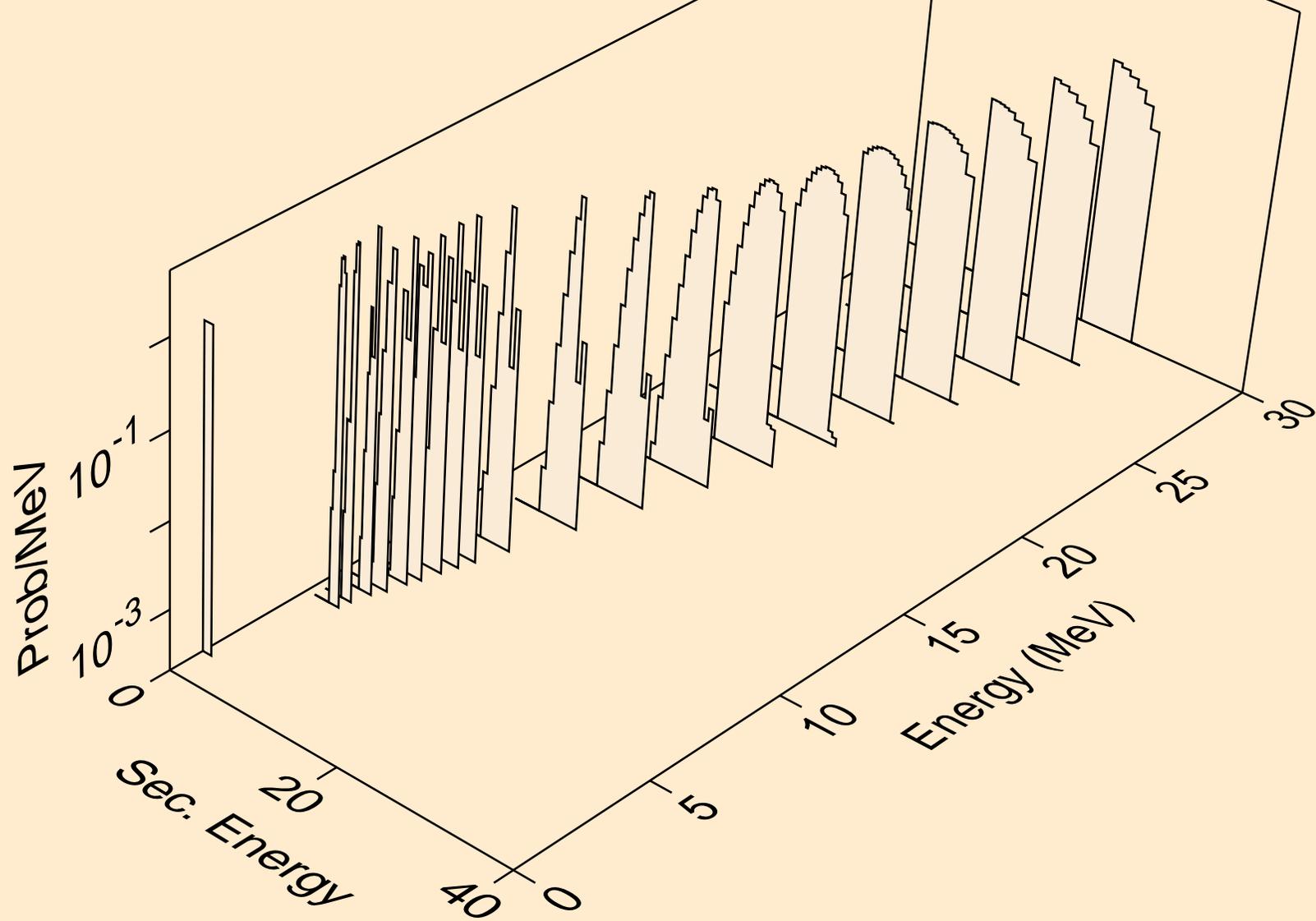
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tritons from (n,x)



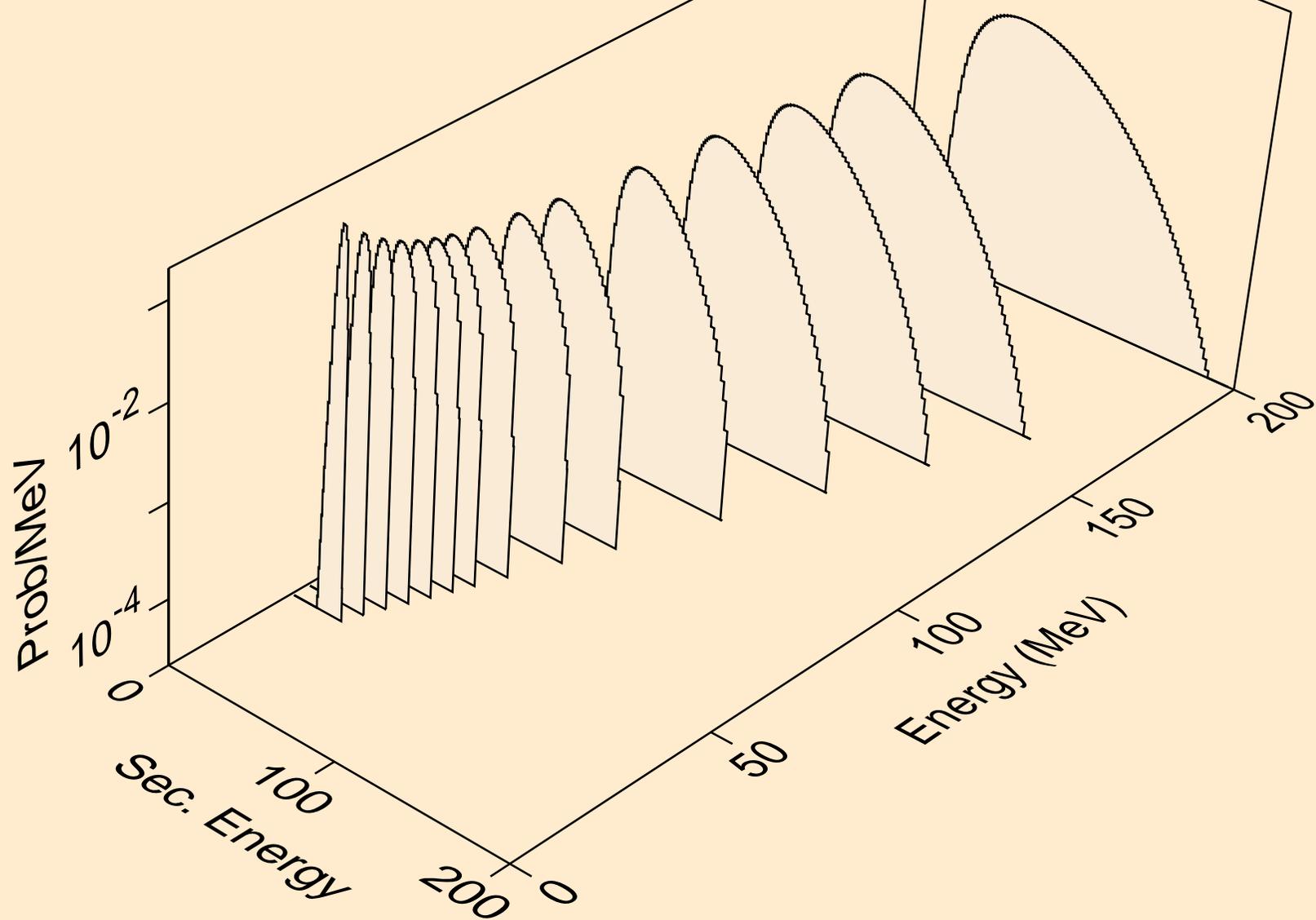
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tritons from (n,n\*)t



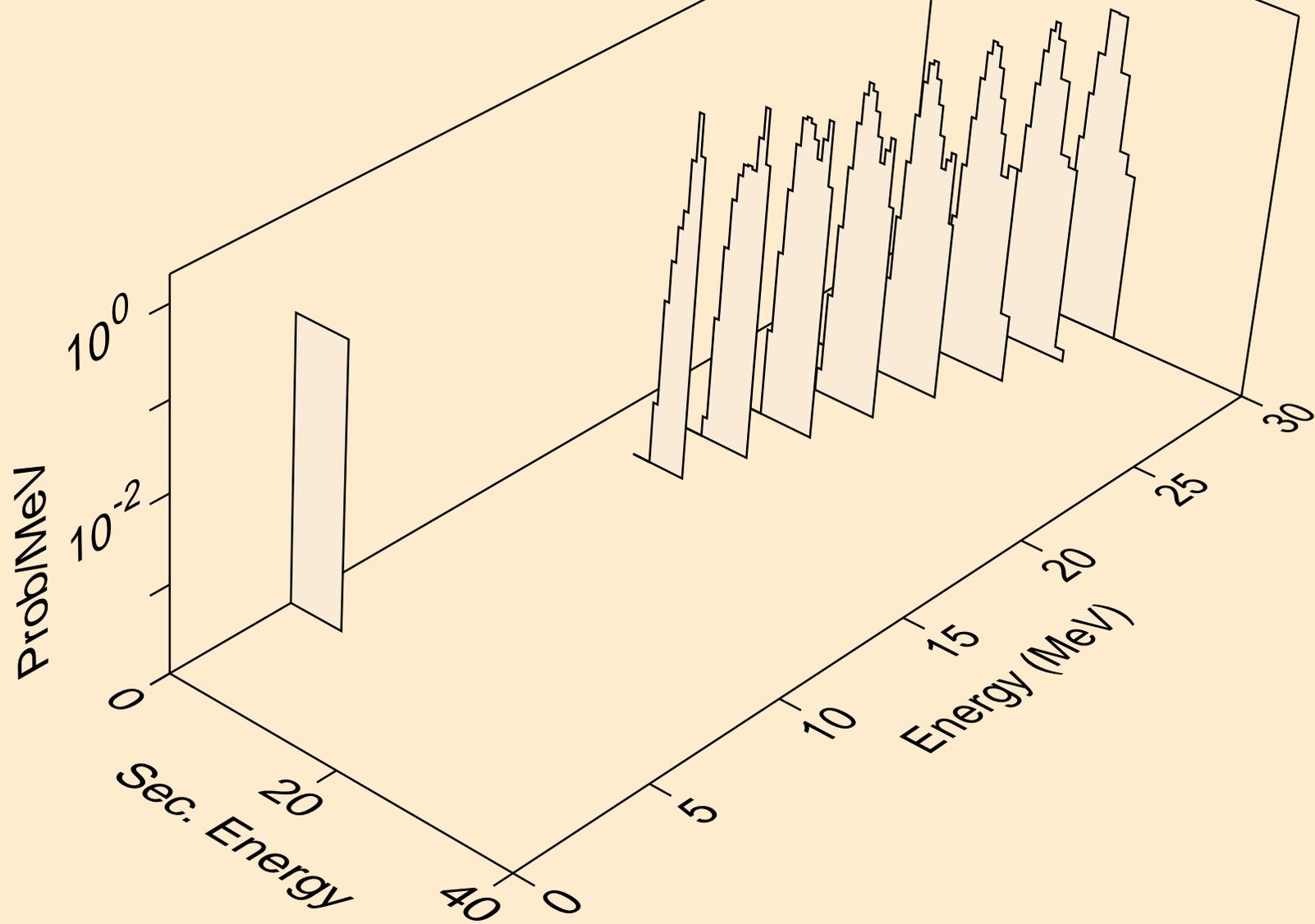
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tritons from (n,t)



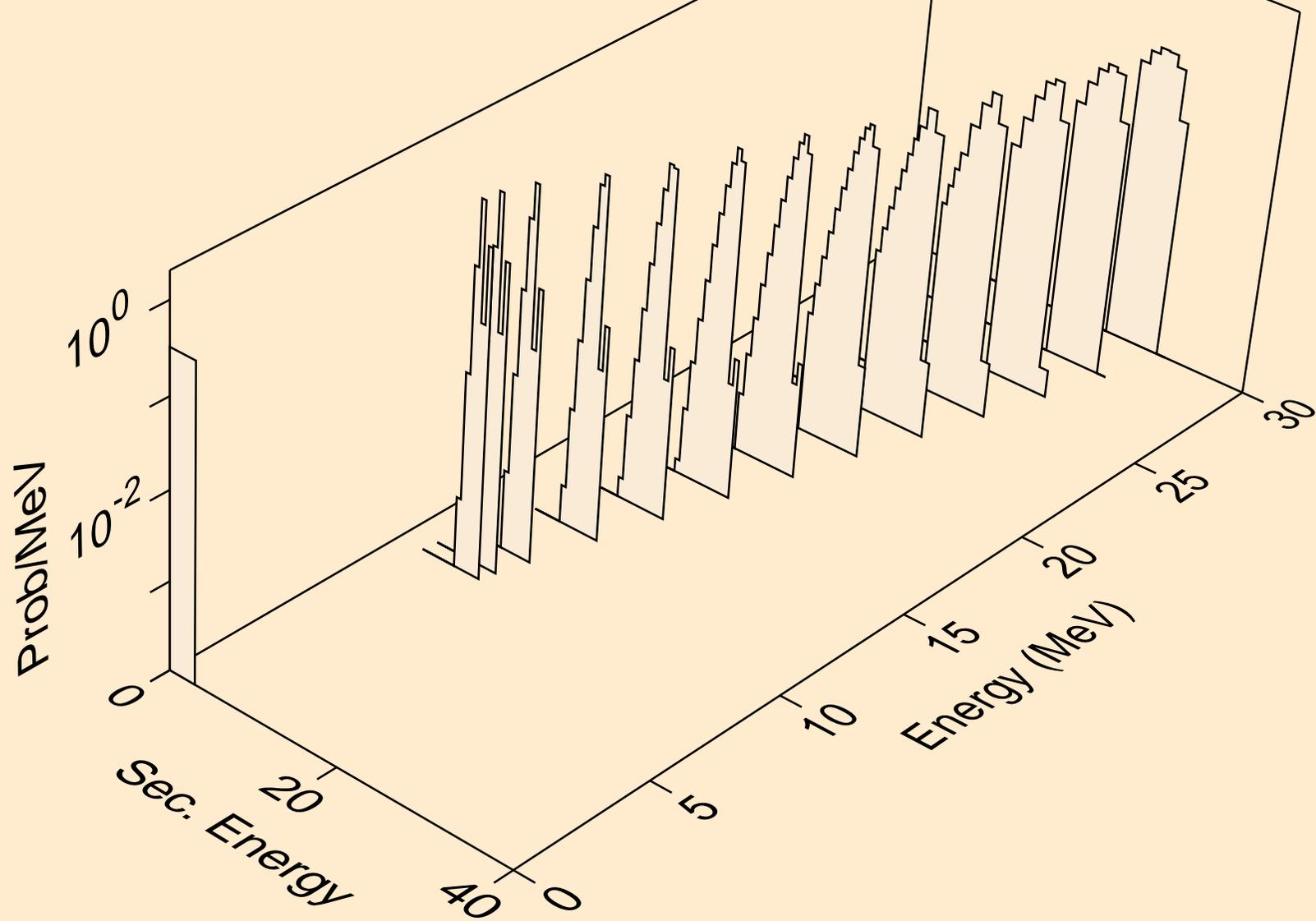
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he3s from (n,x)



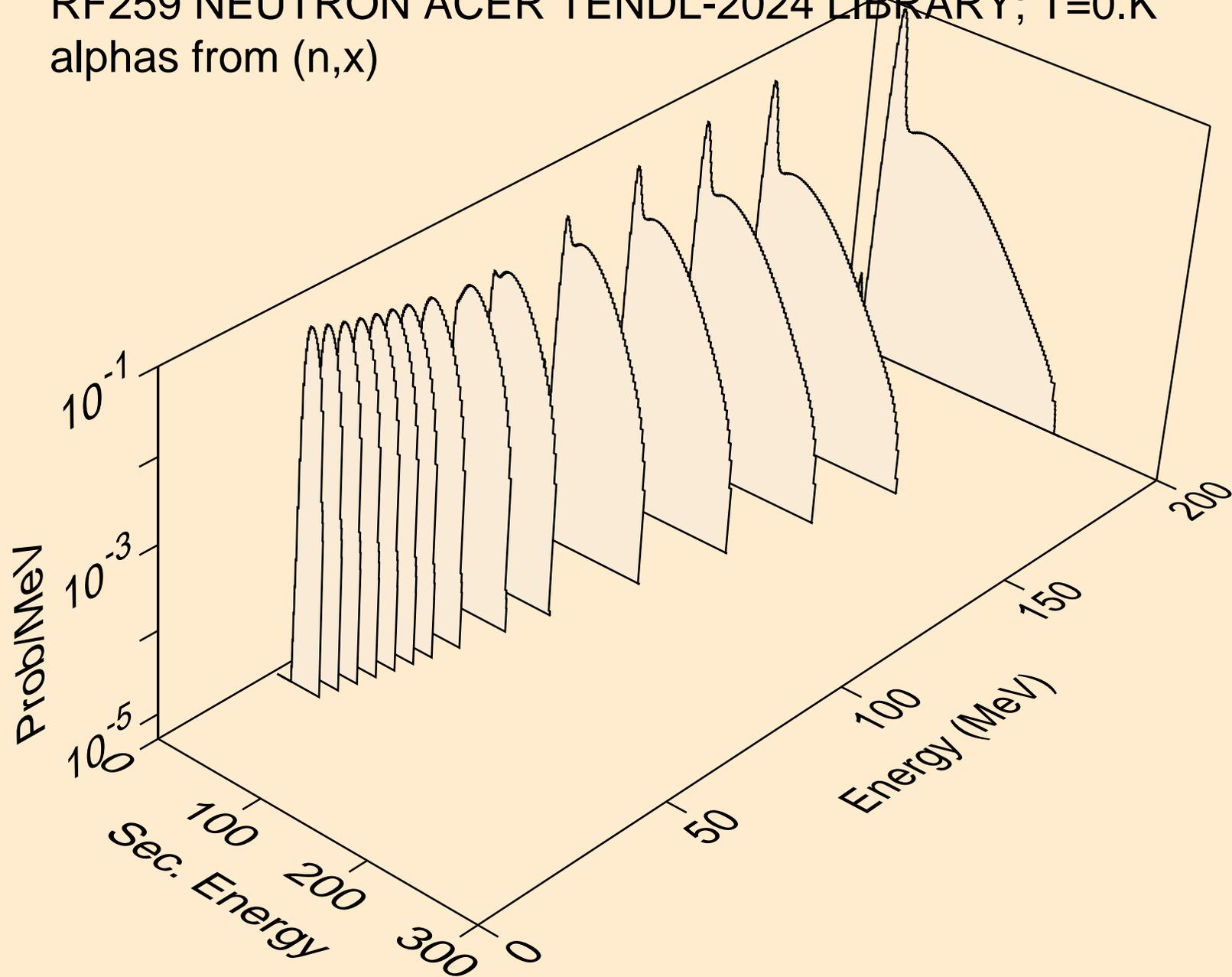
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he3s from (n,n\*)he3



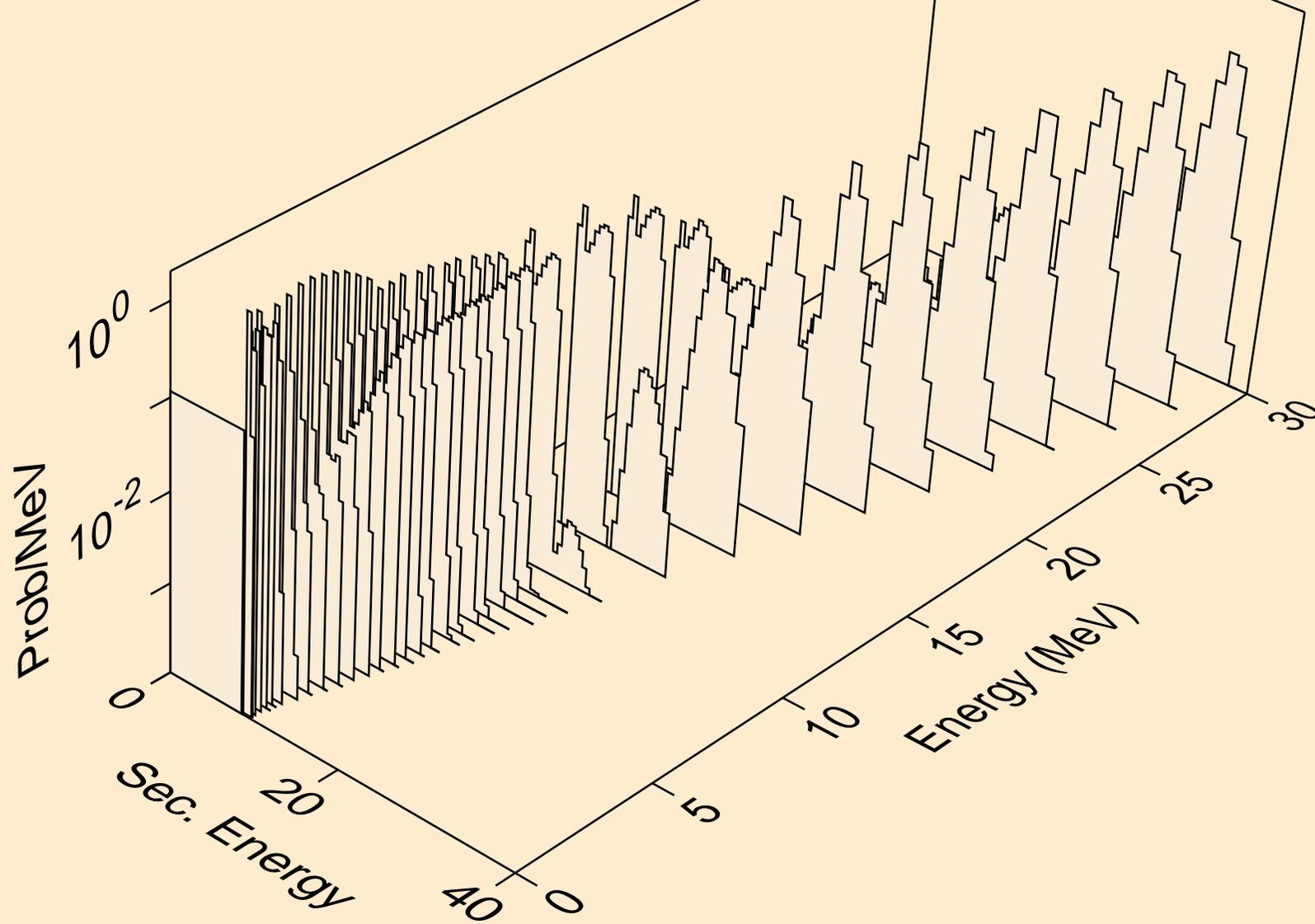
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he3s from (n,he3)



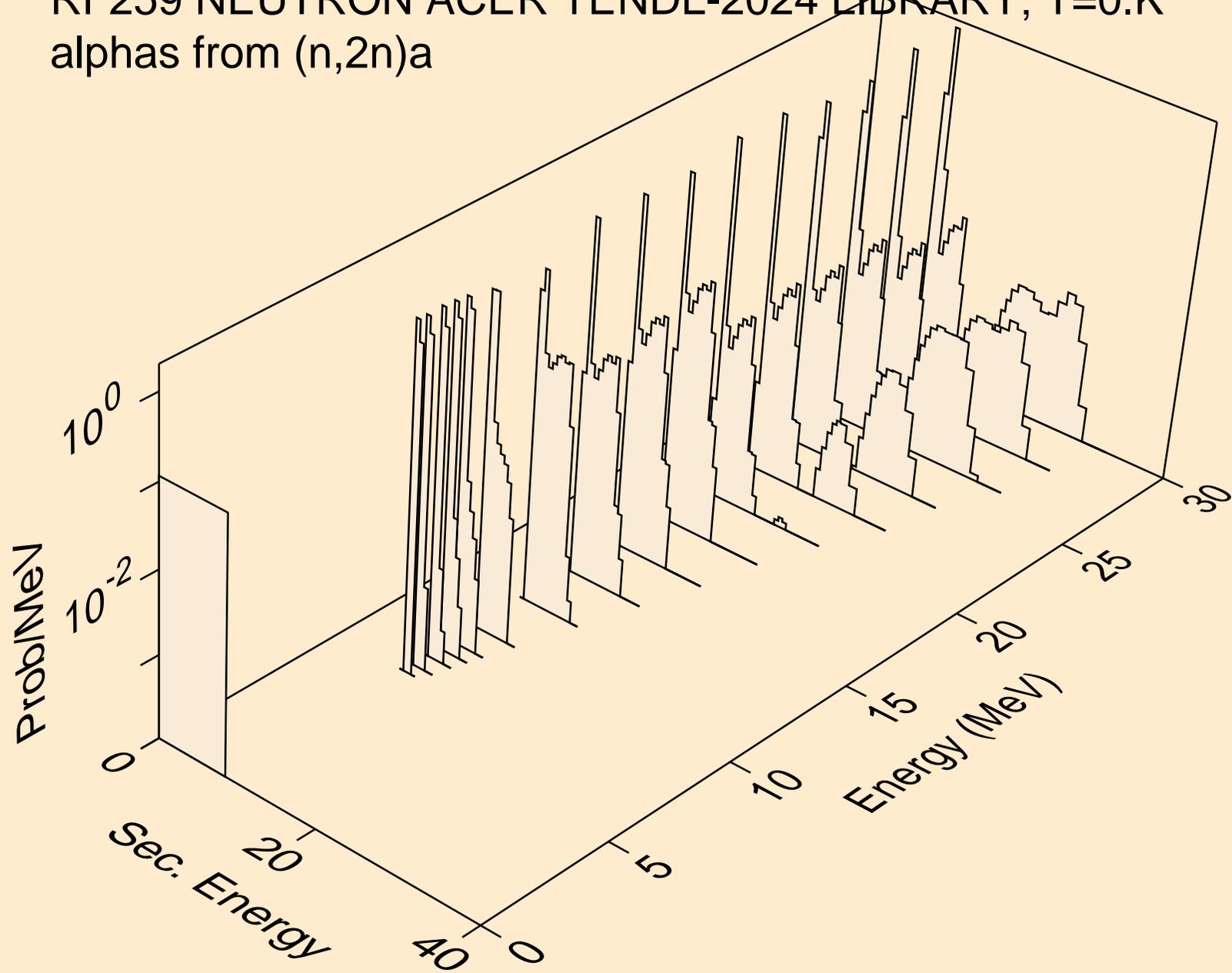
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alphas from (n,x)



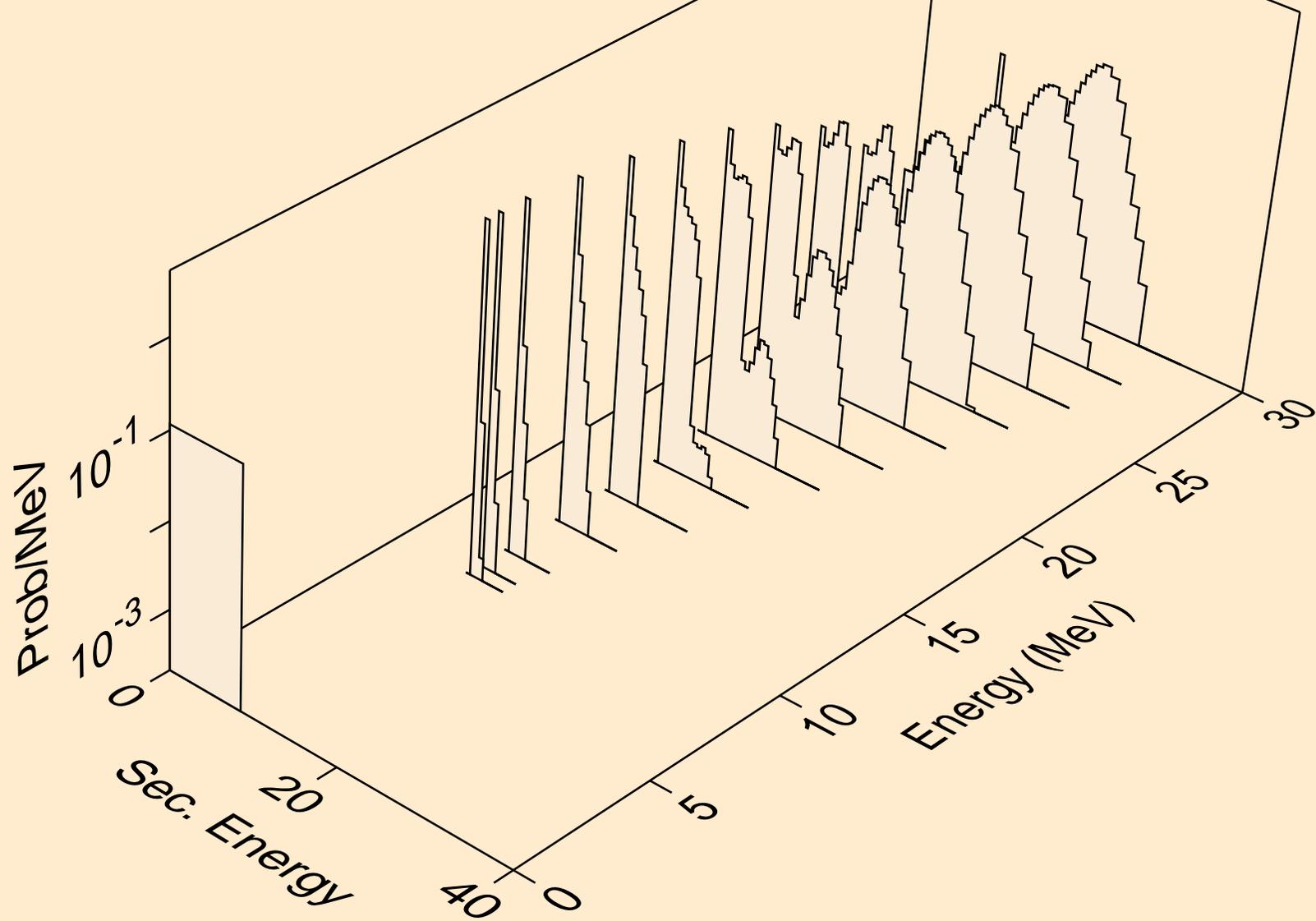
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alphas from (n,n\*)a



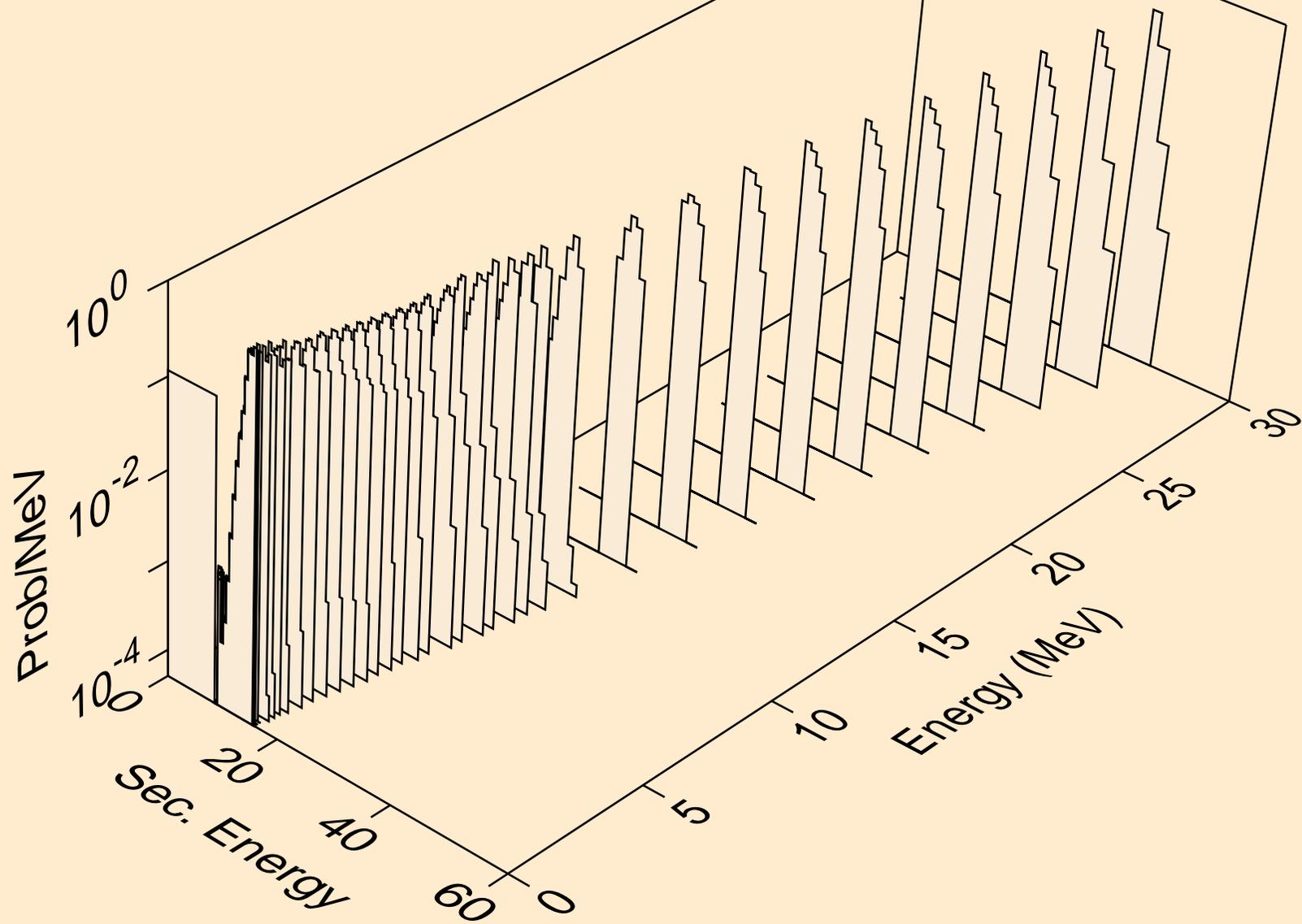
RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



RF259 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

