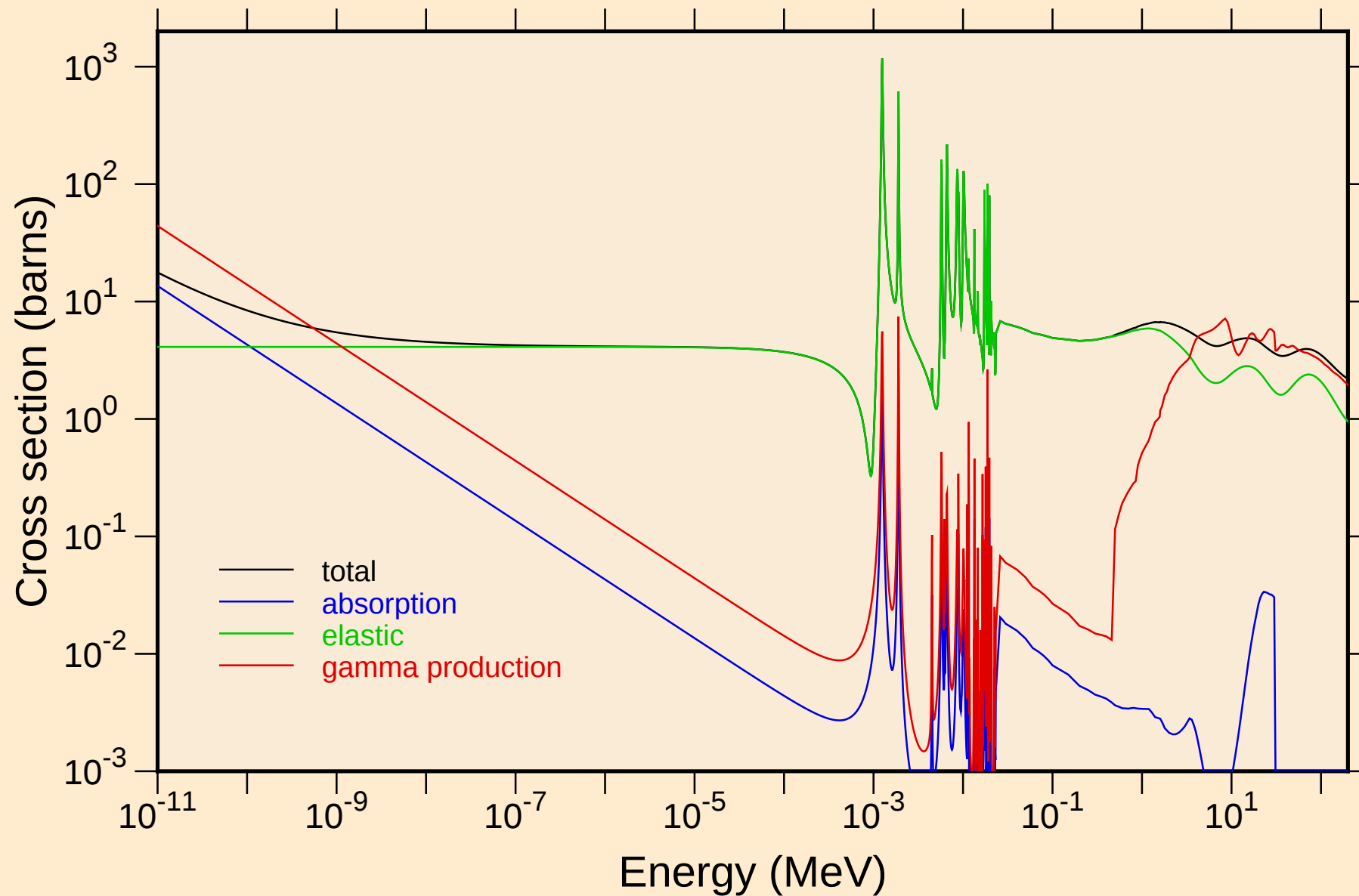
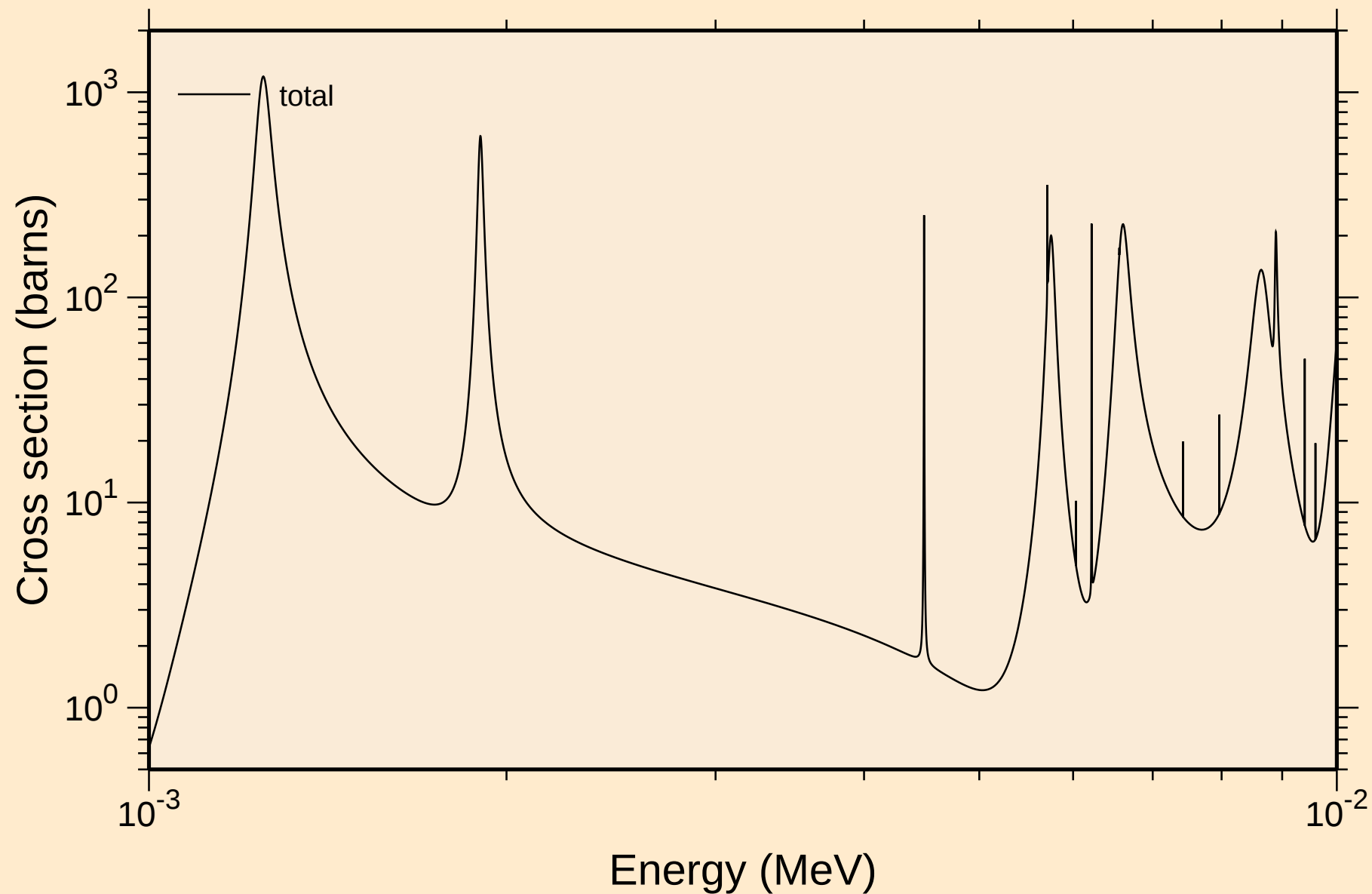


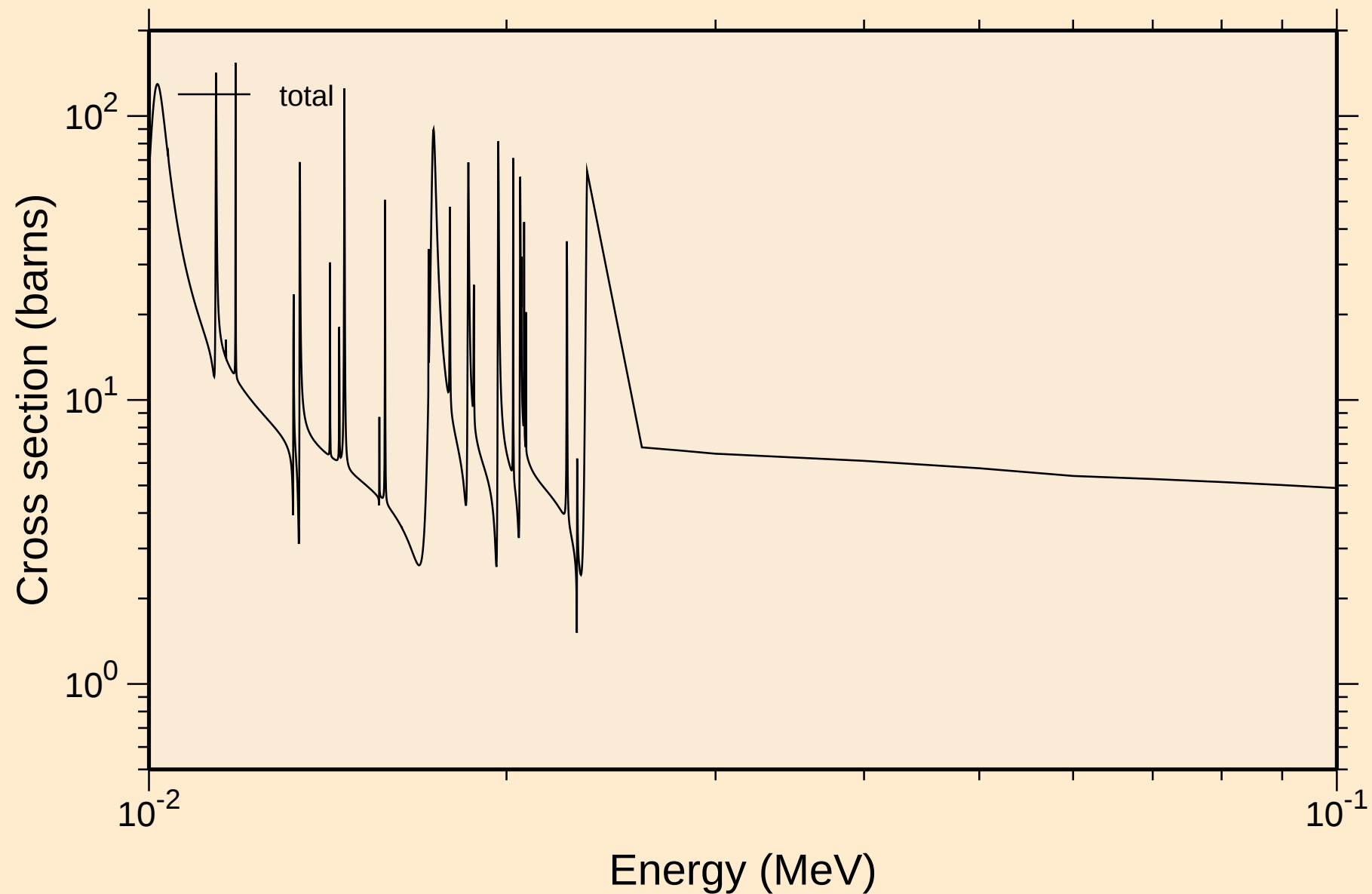
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



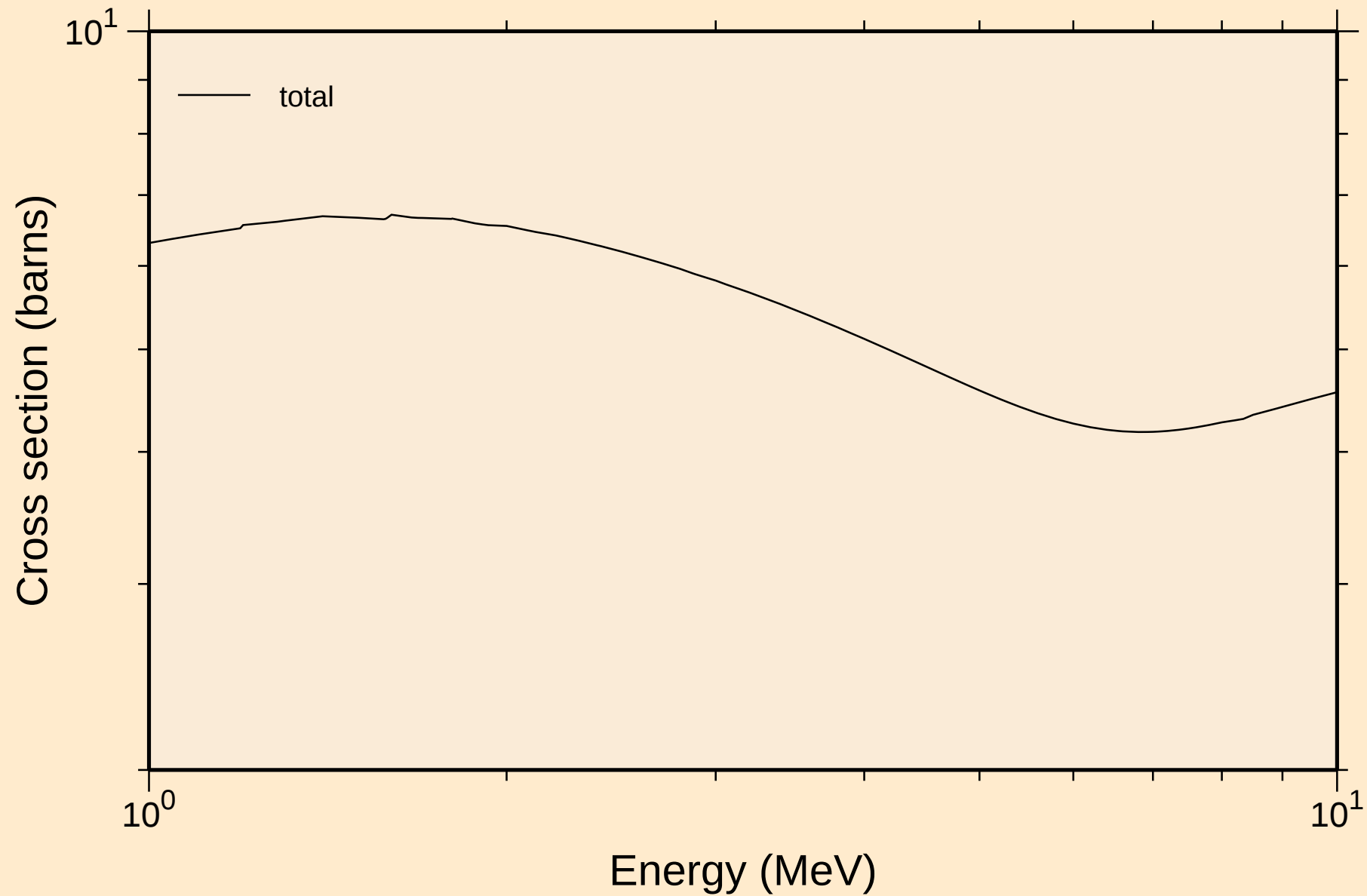
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



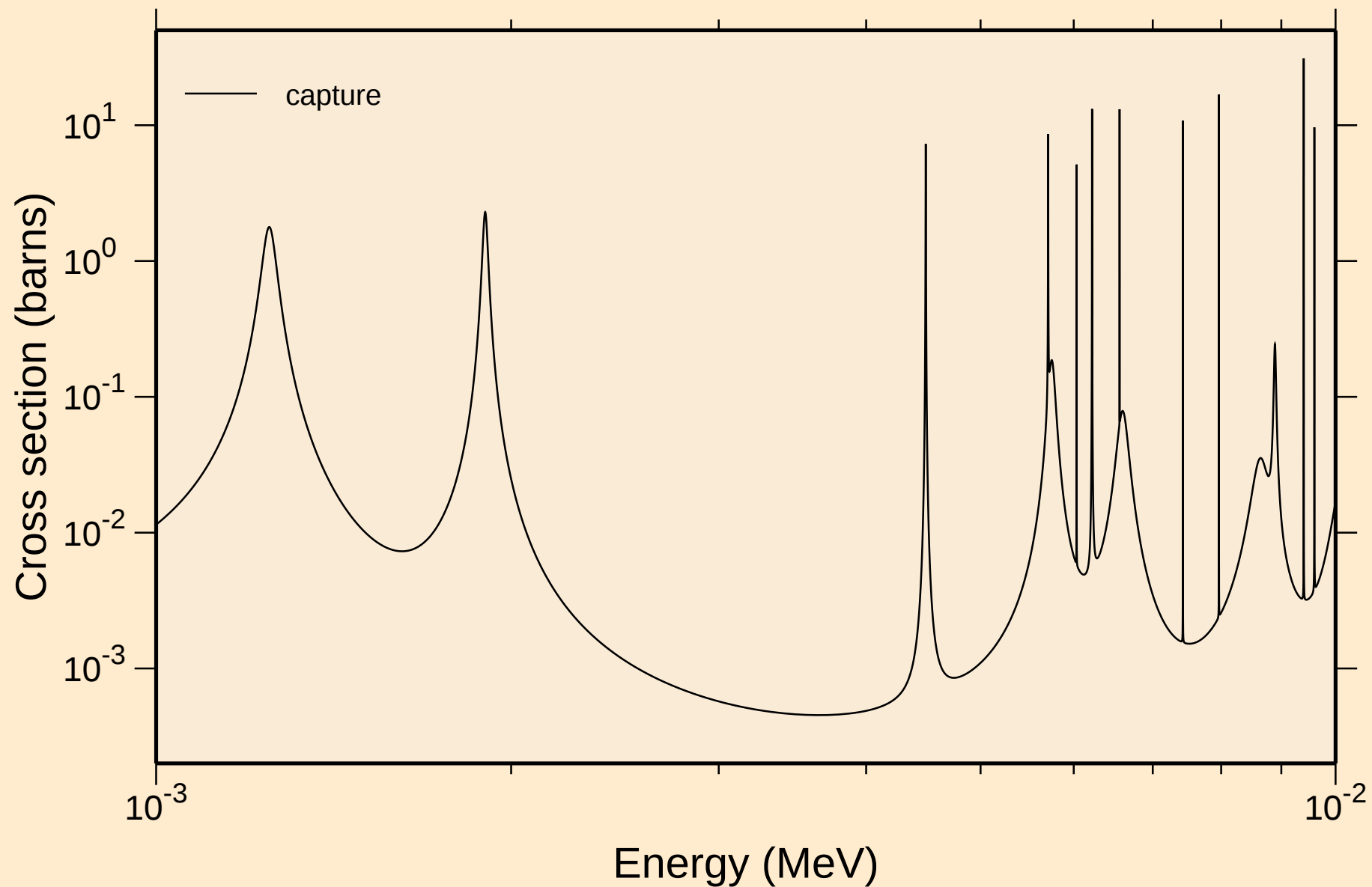
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



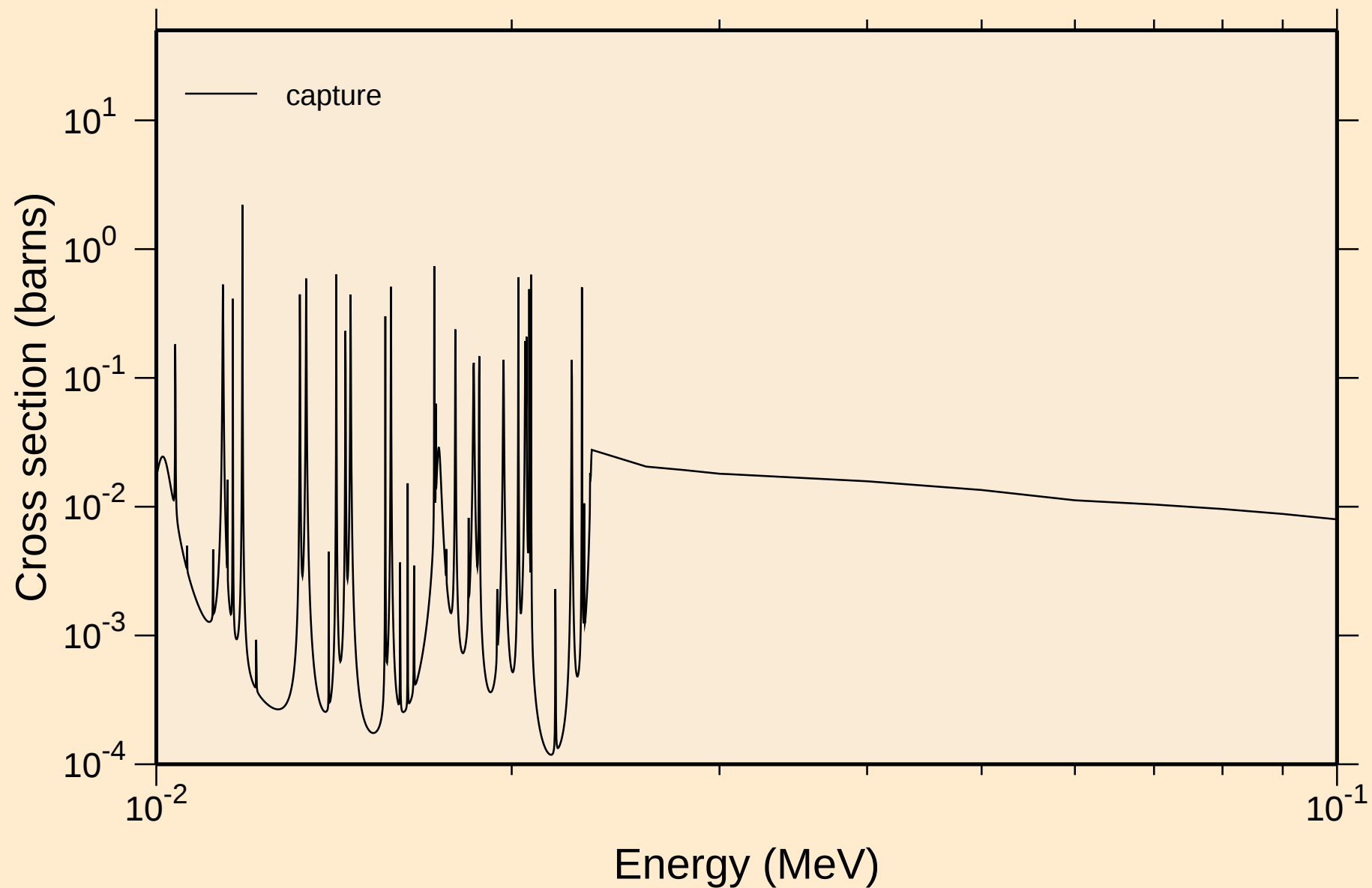
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



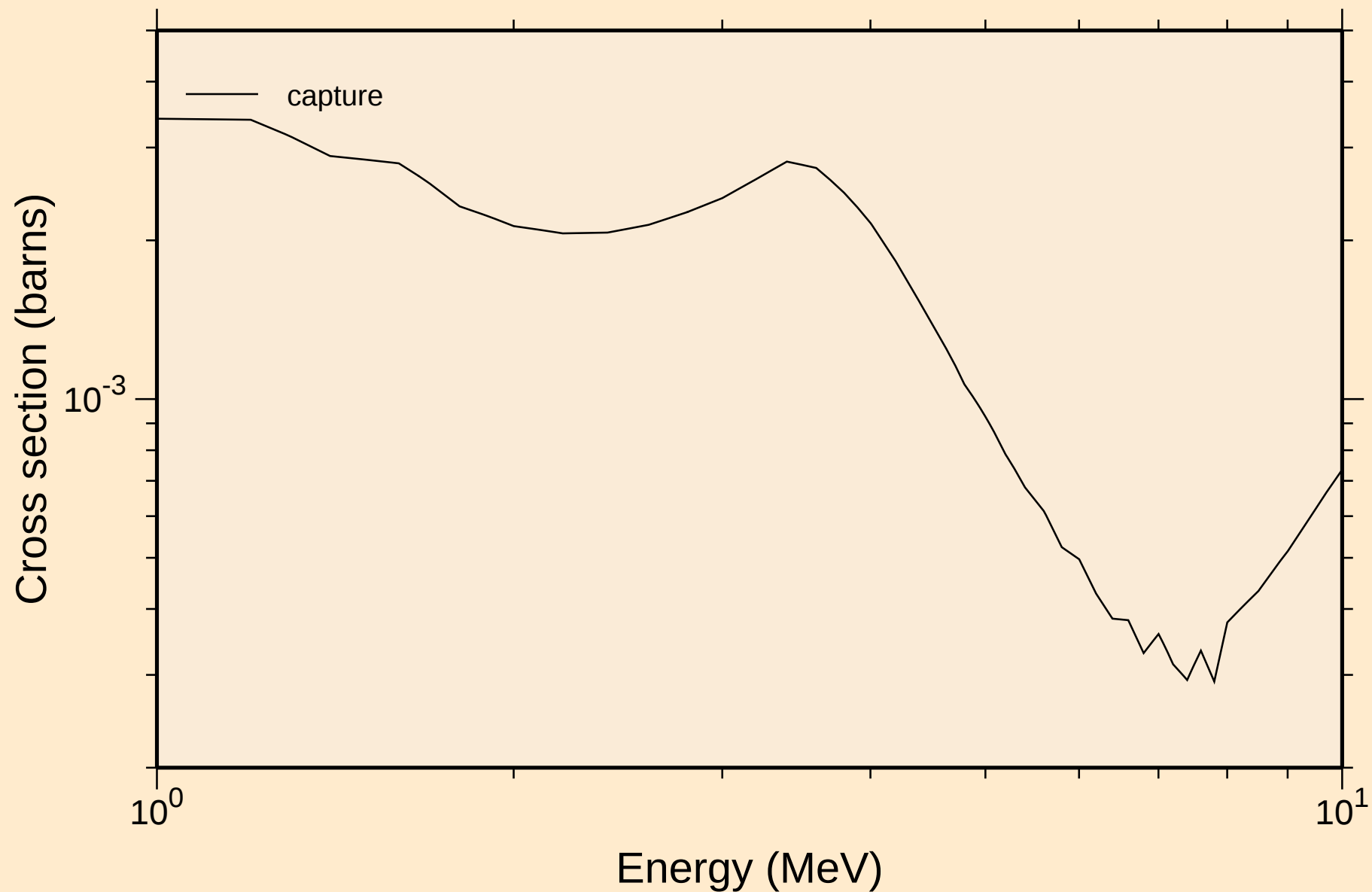
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

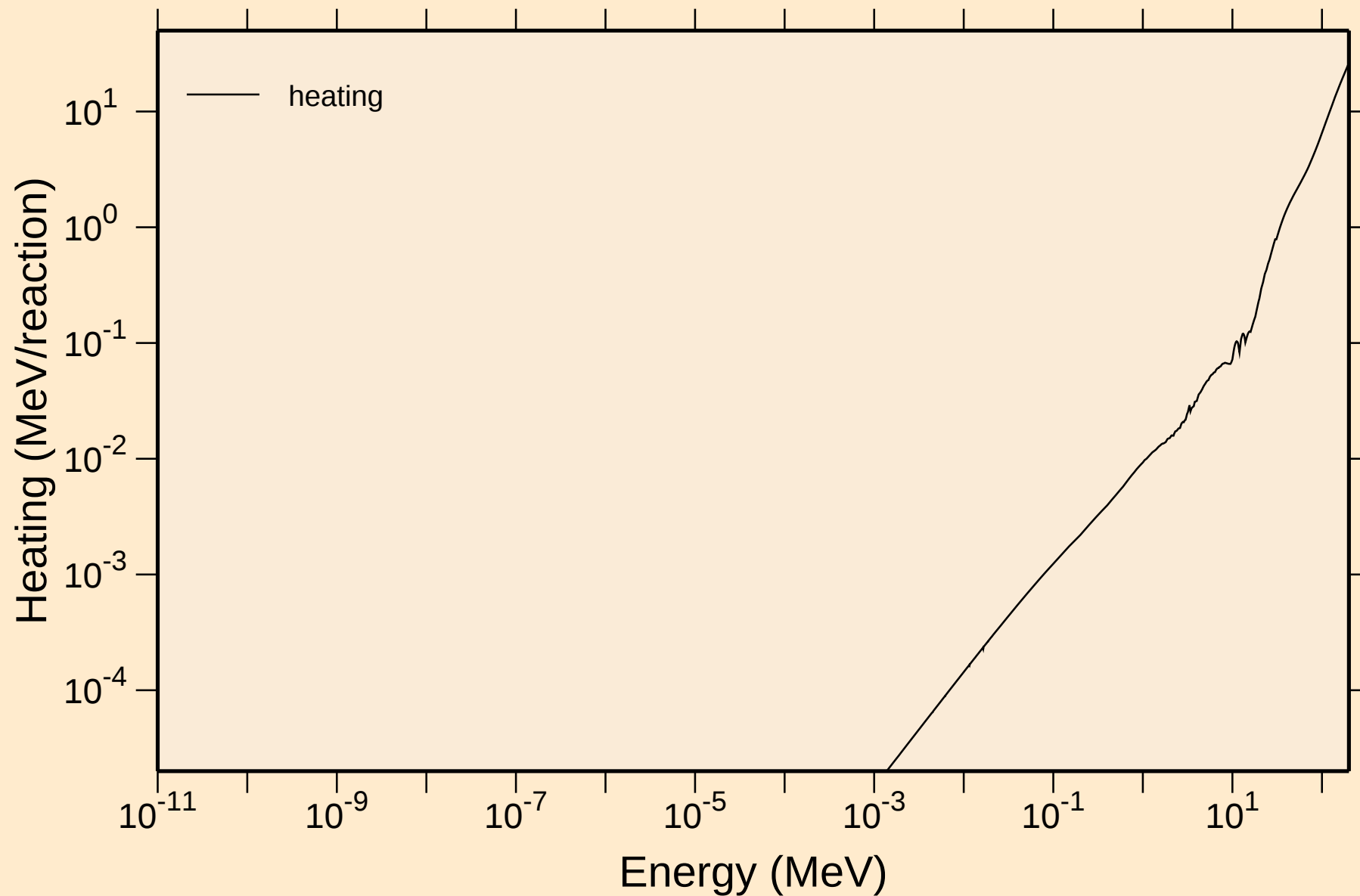


CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



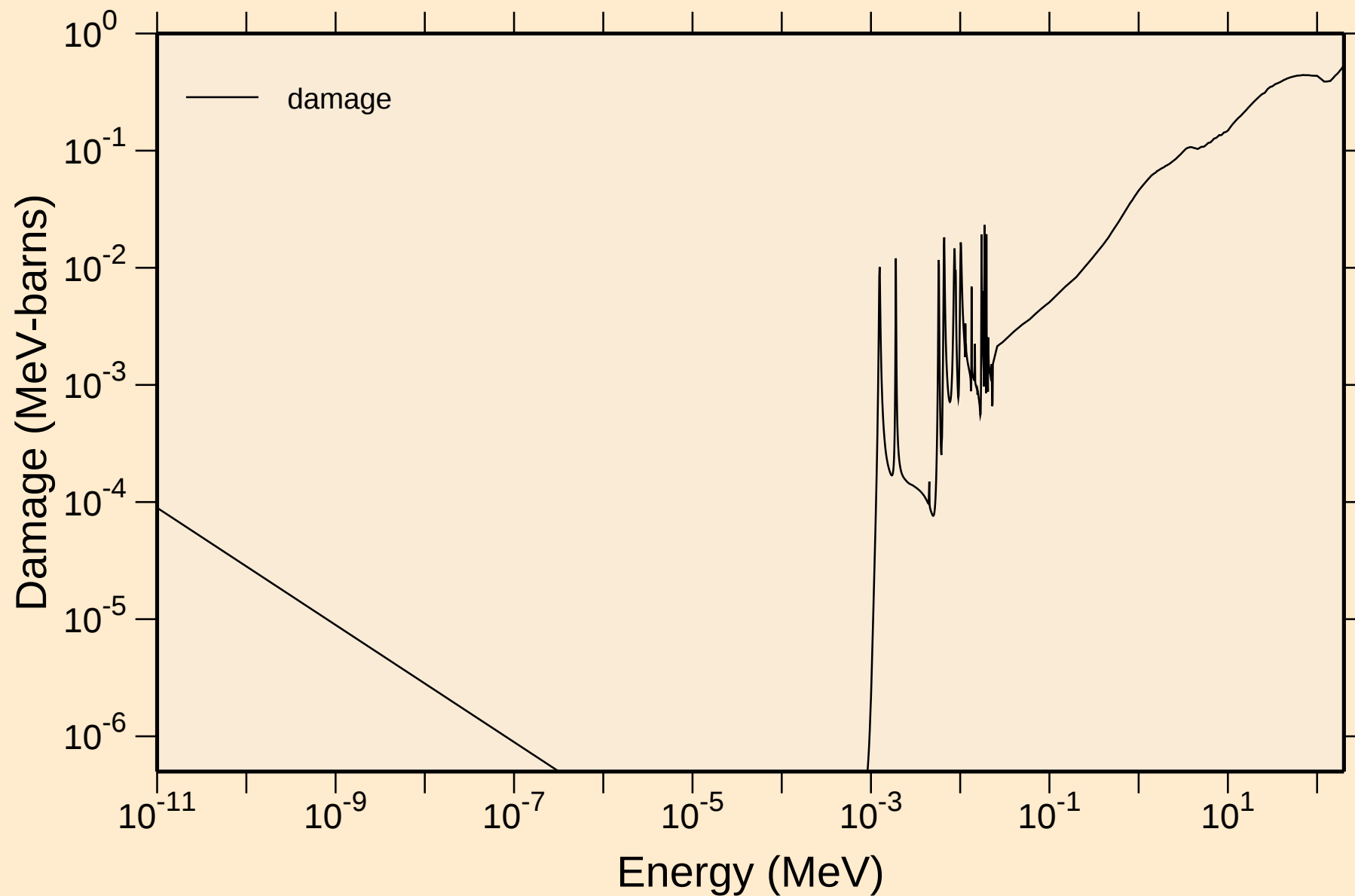
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Heating



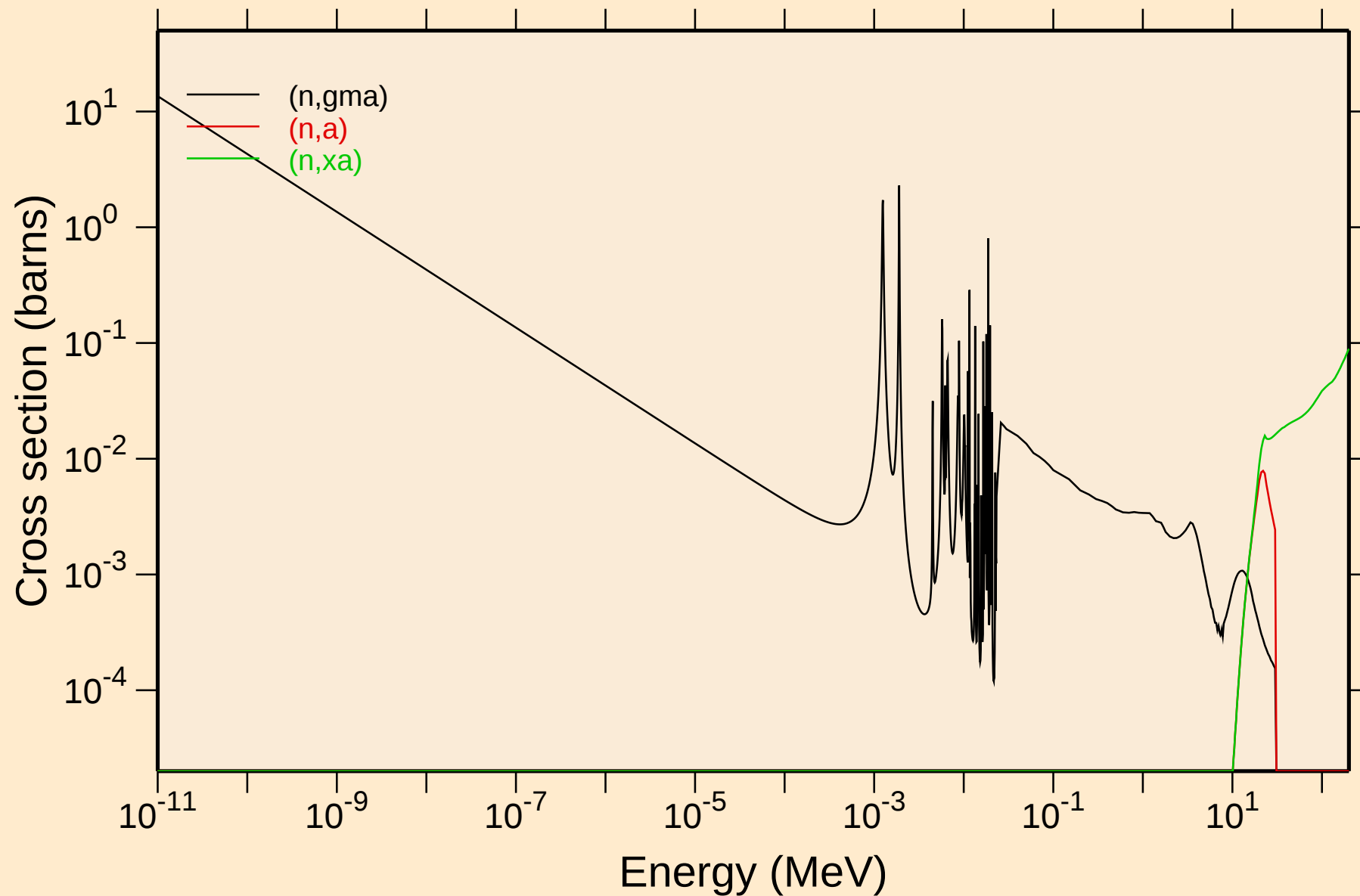
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Damage



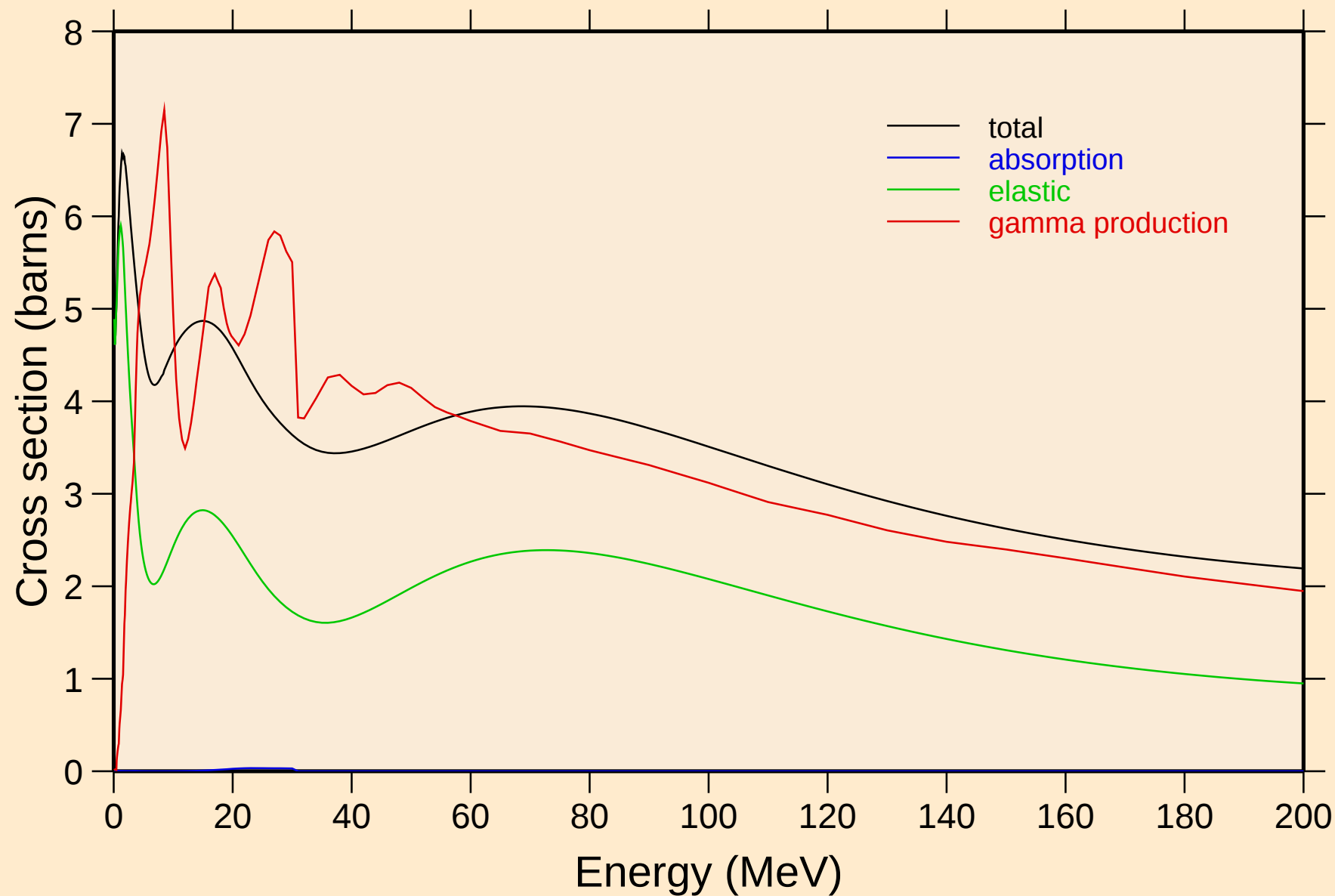
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## Non-threshold reactions



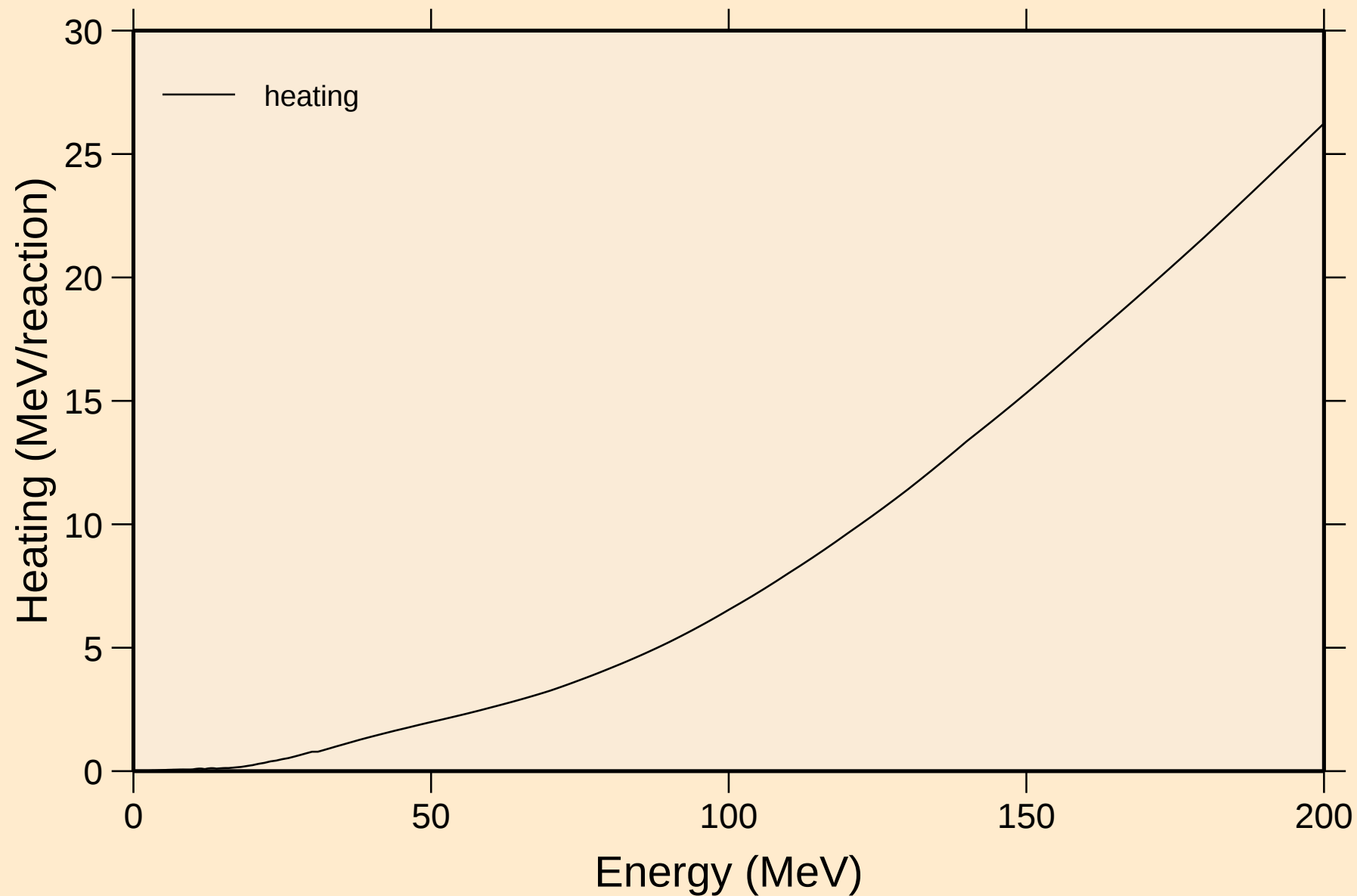
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## Principal cross sections



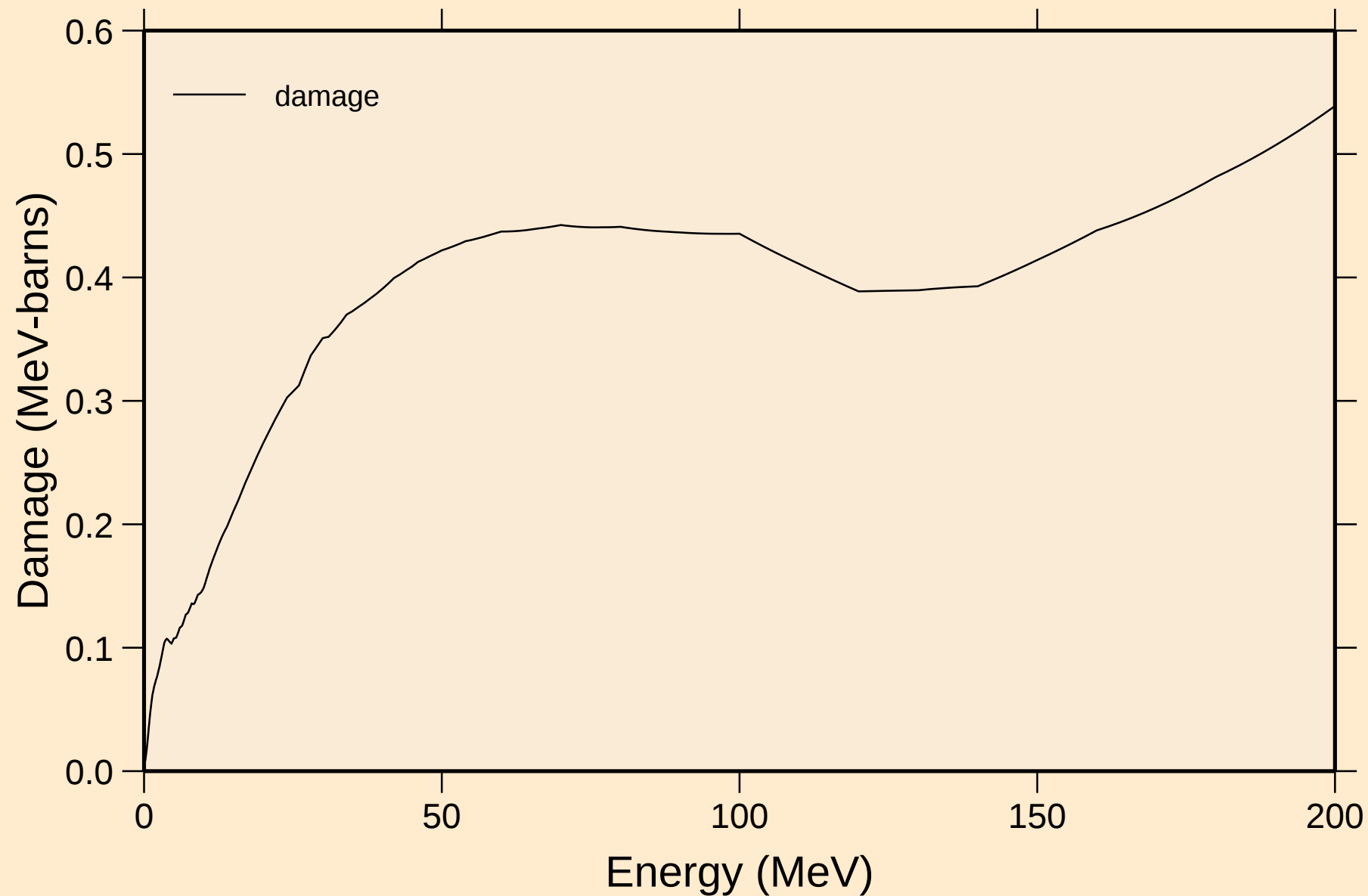
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Heating

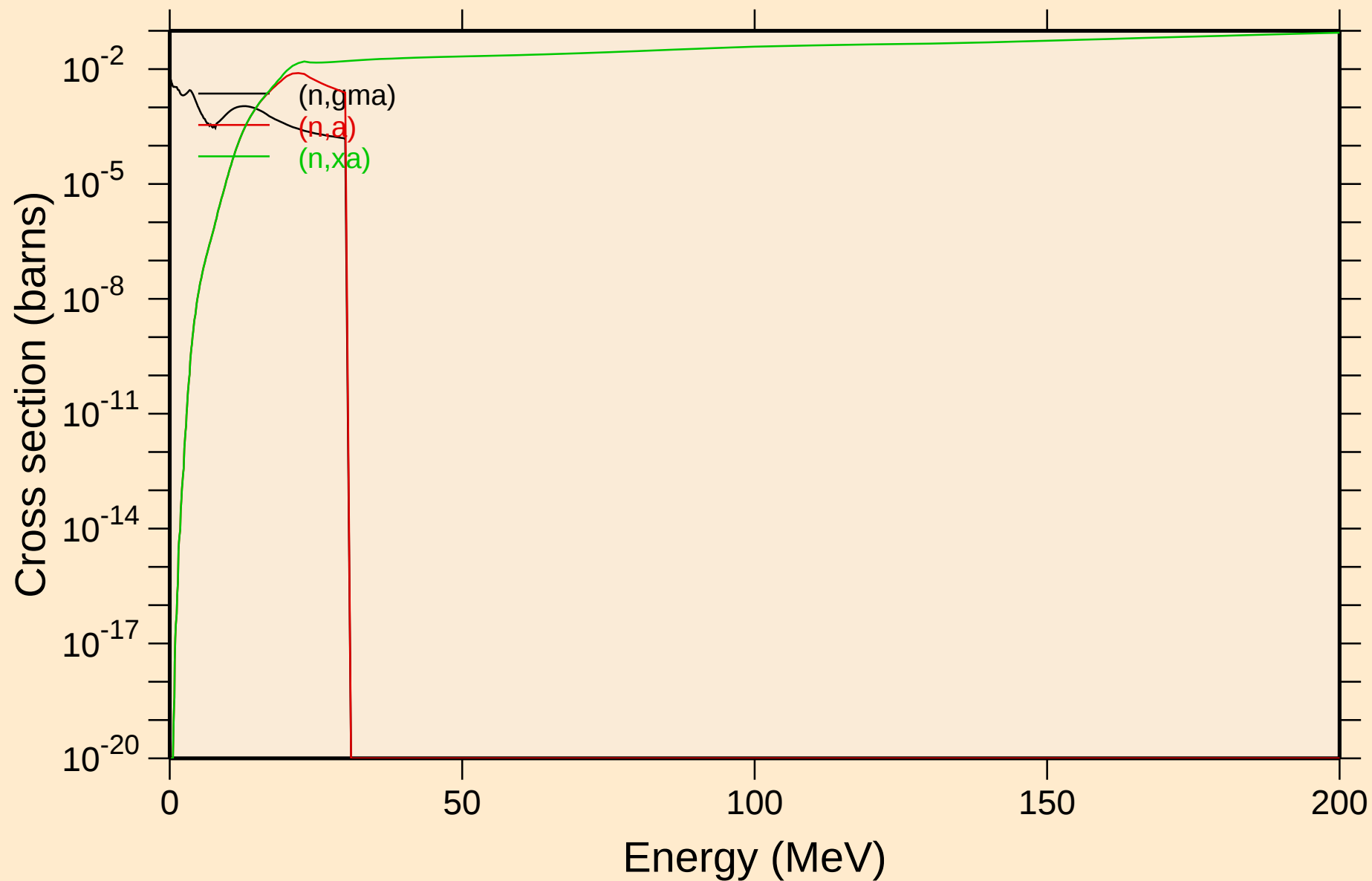


# CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

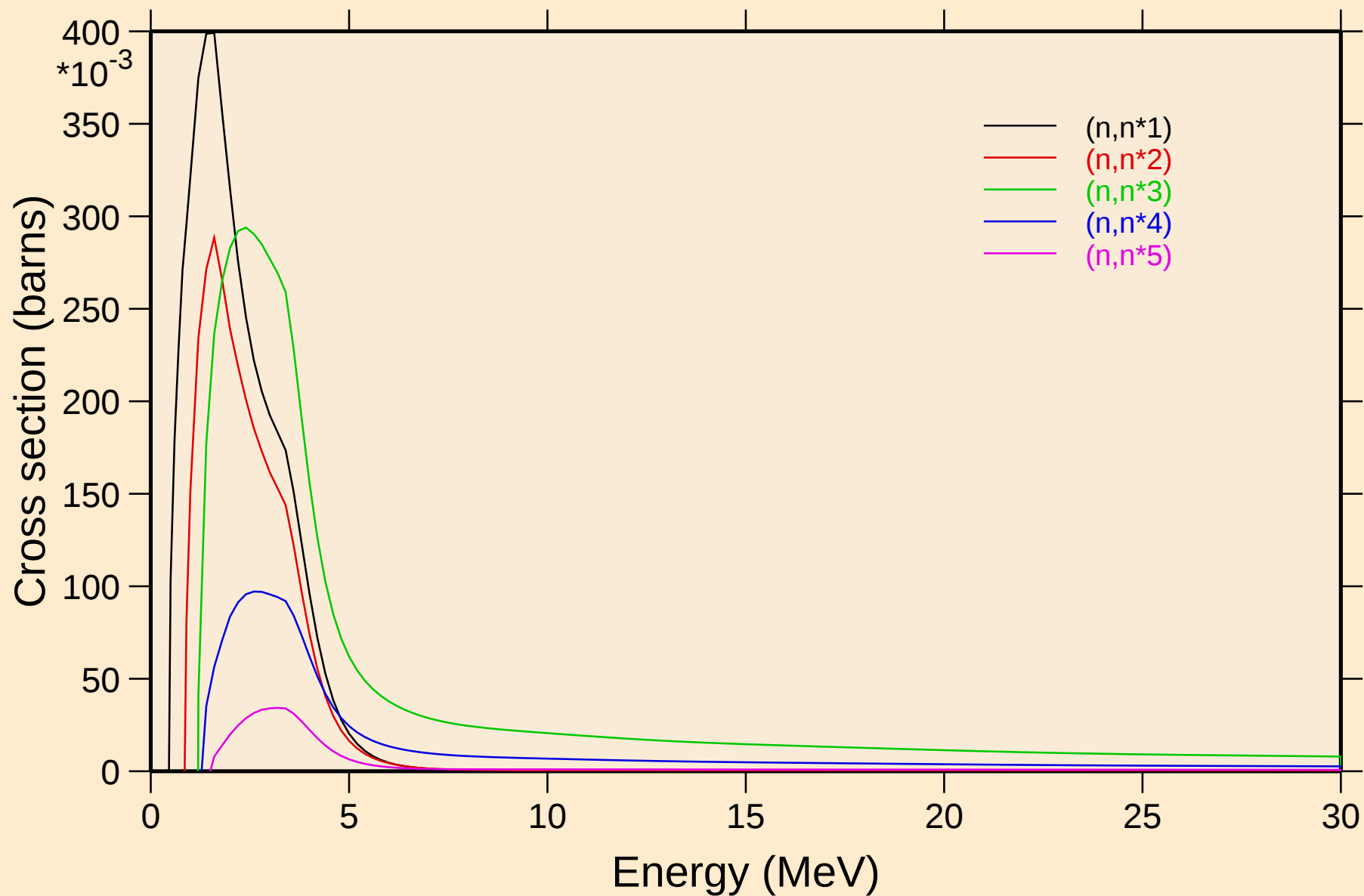


CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



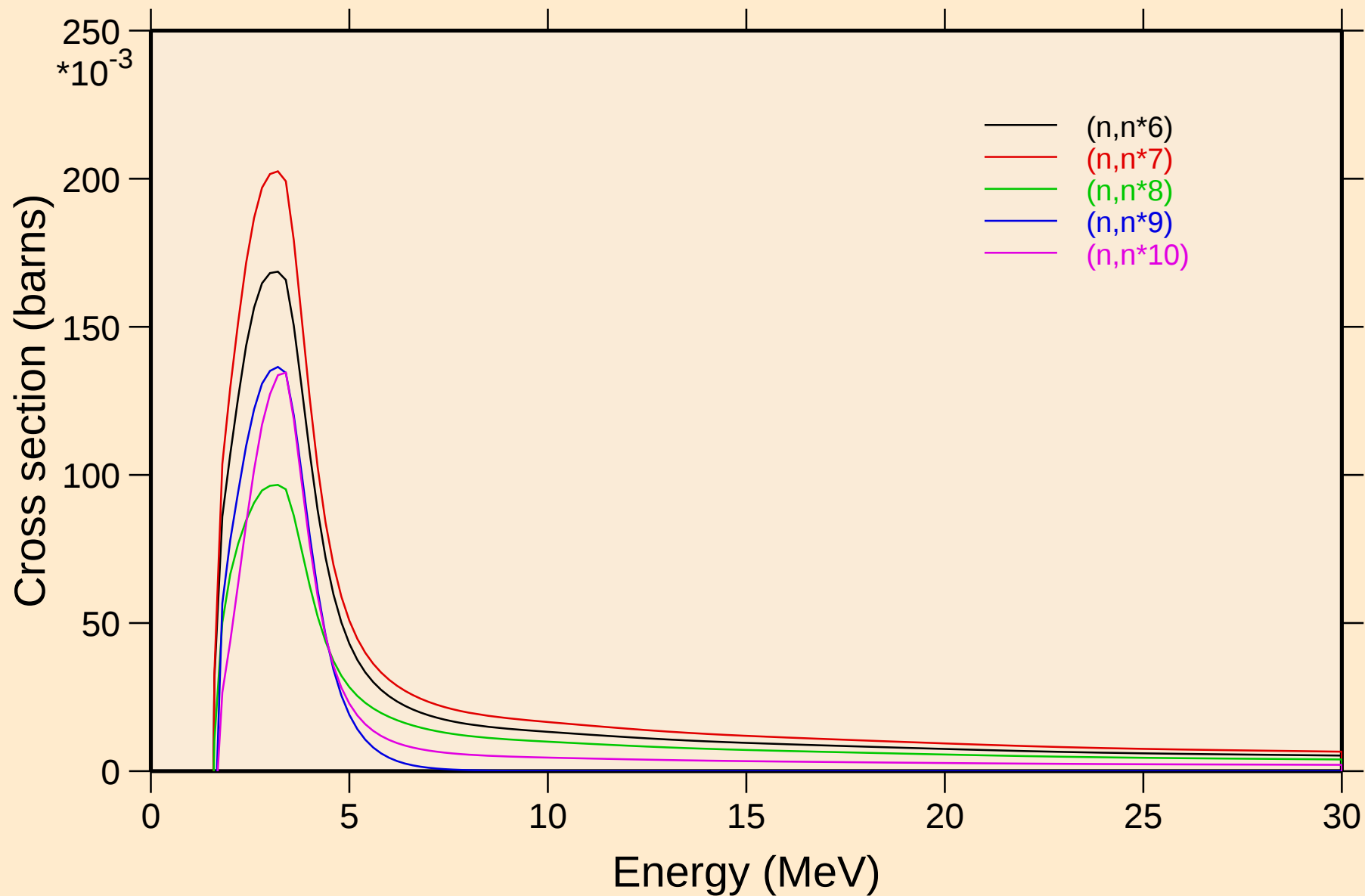
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Inelastic levels

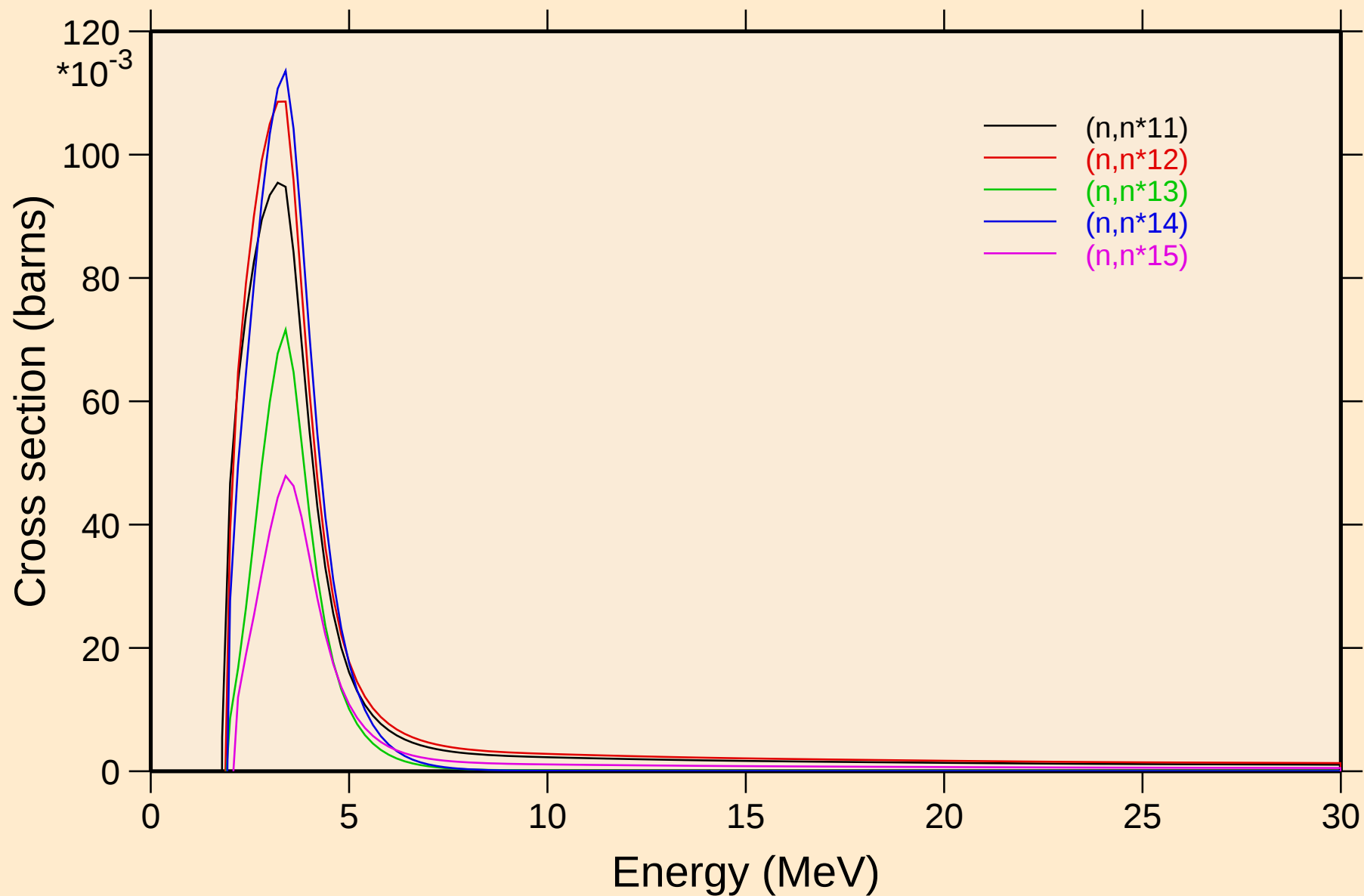


# CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

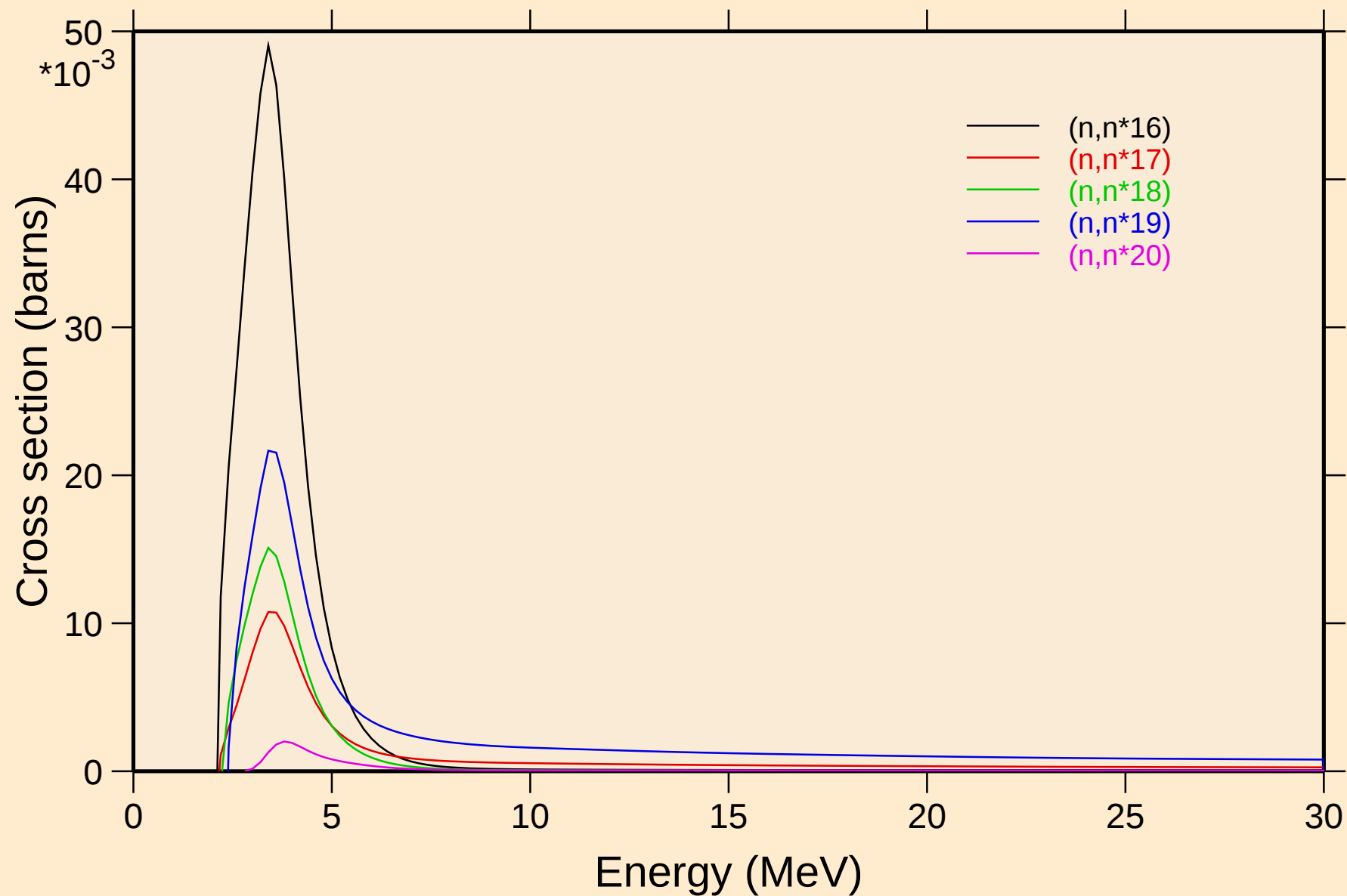


CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



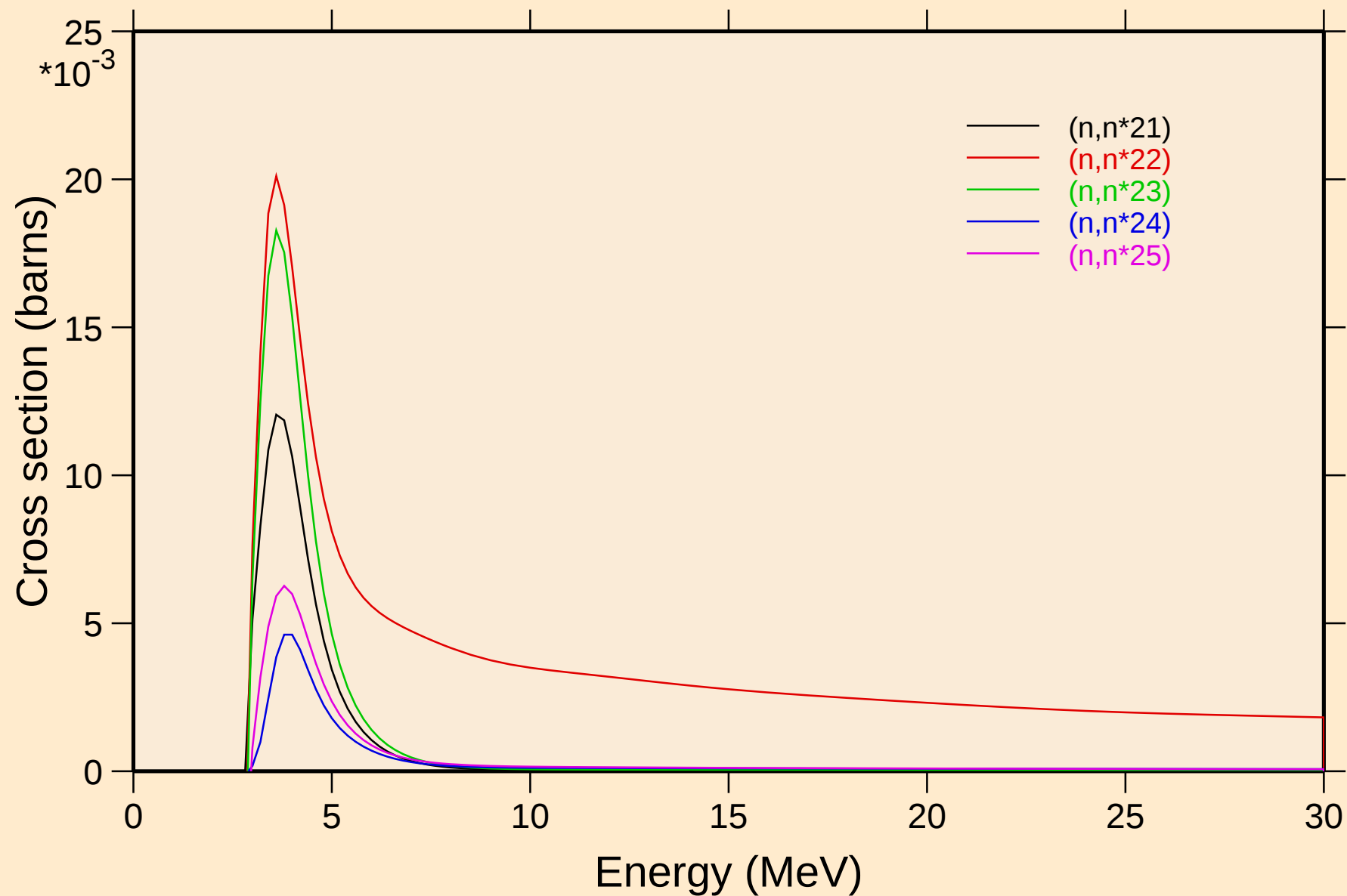
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Inelastic levels



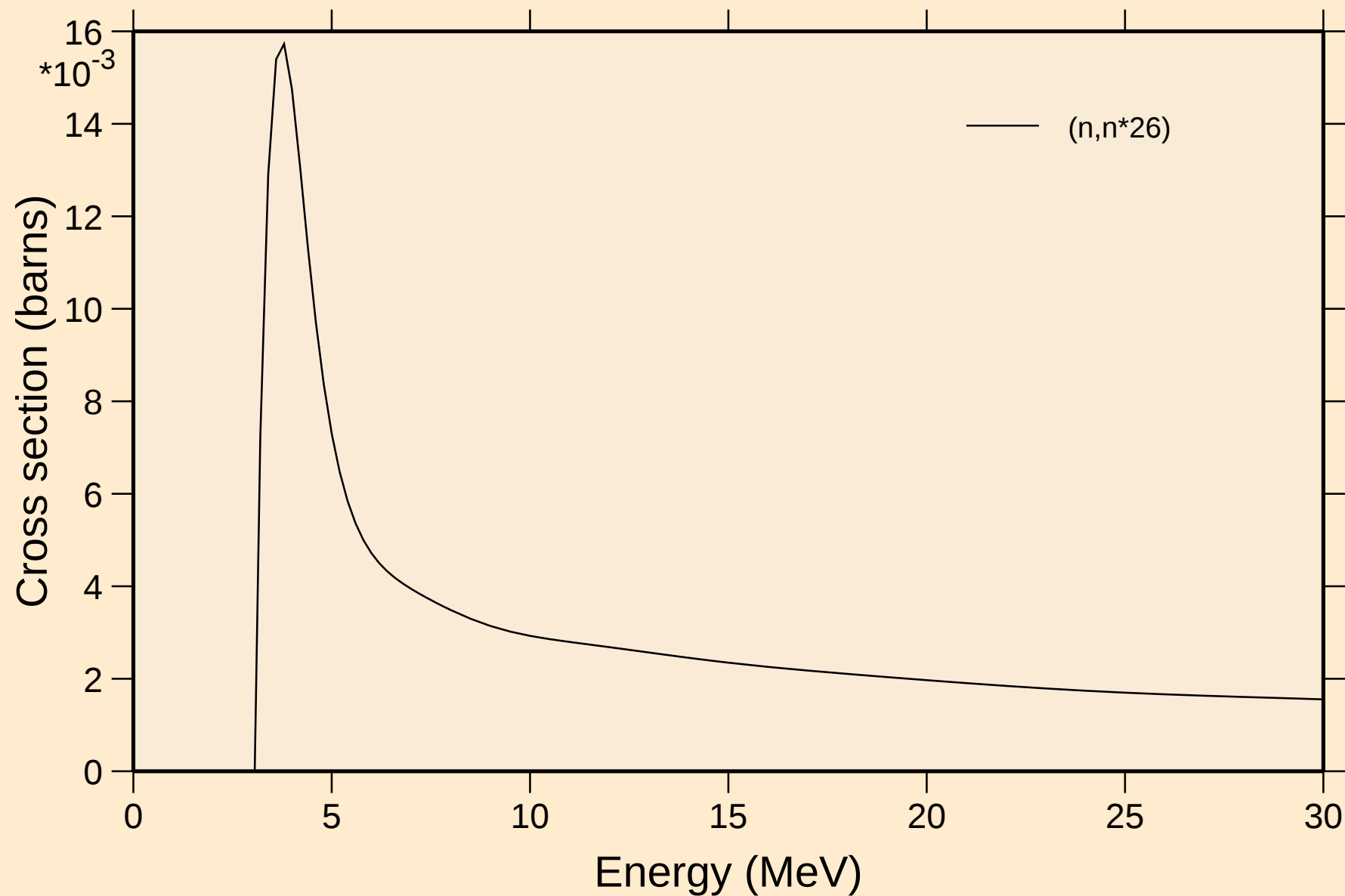
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Inelastic levels



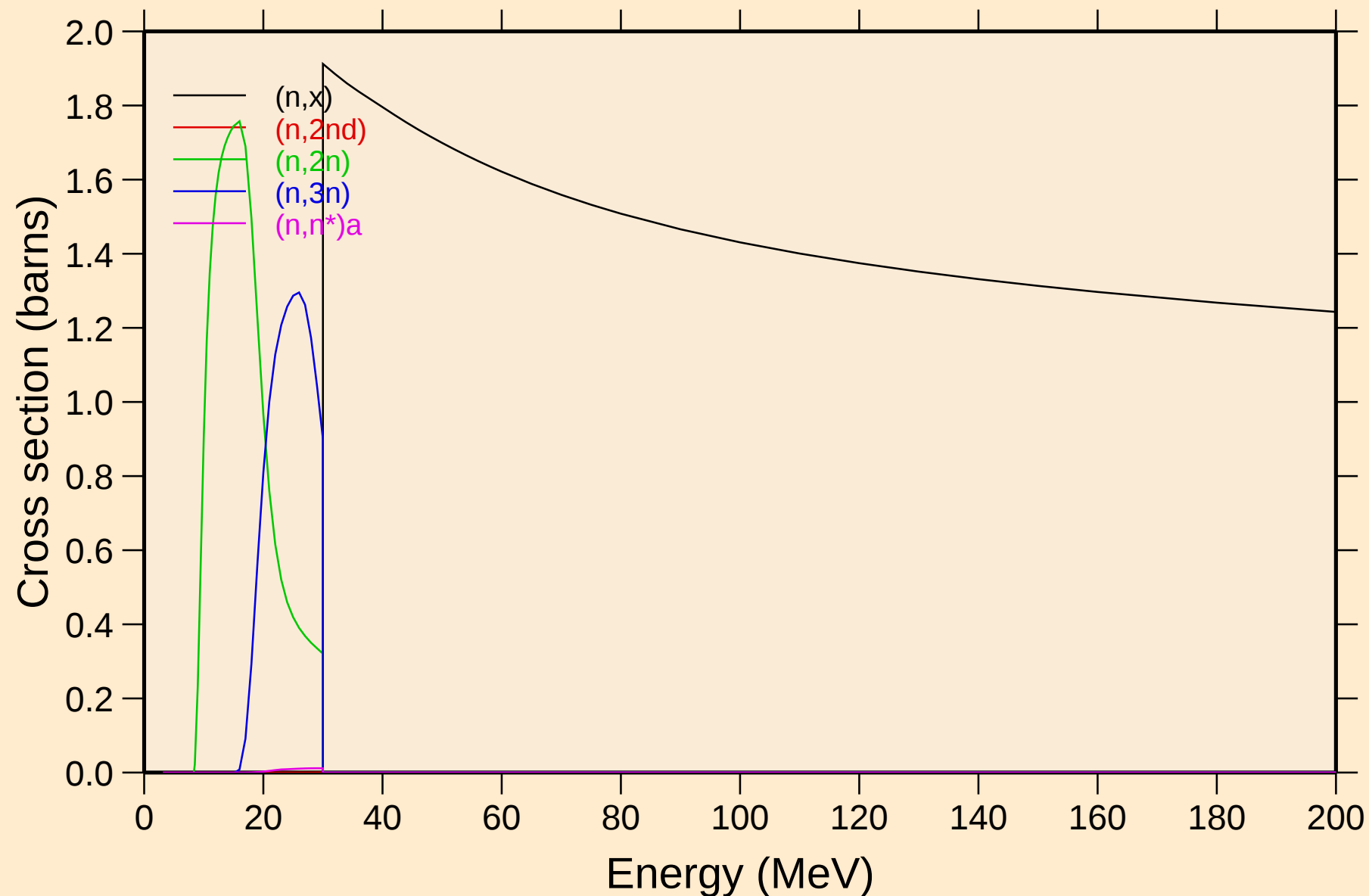
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Inelastic levels



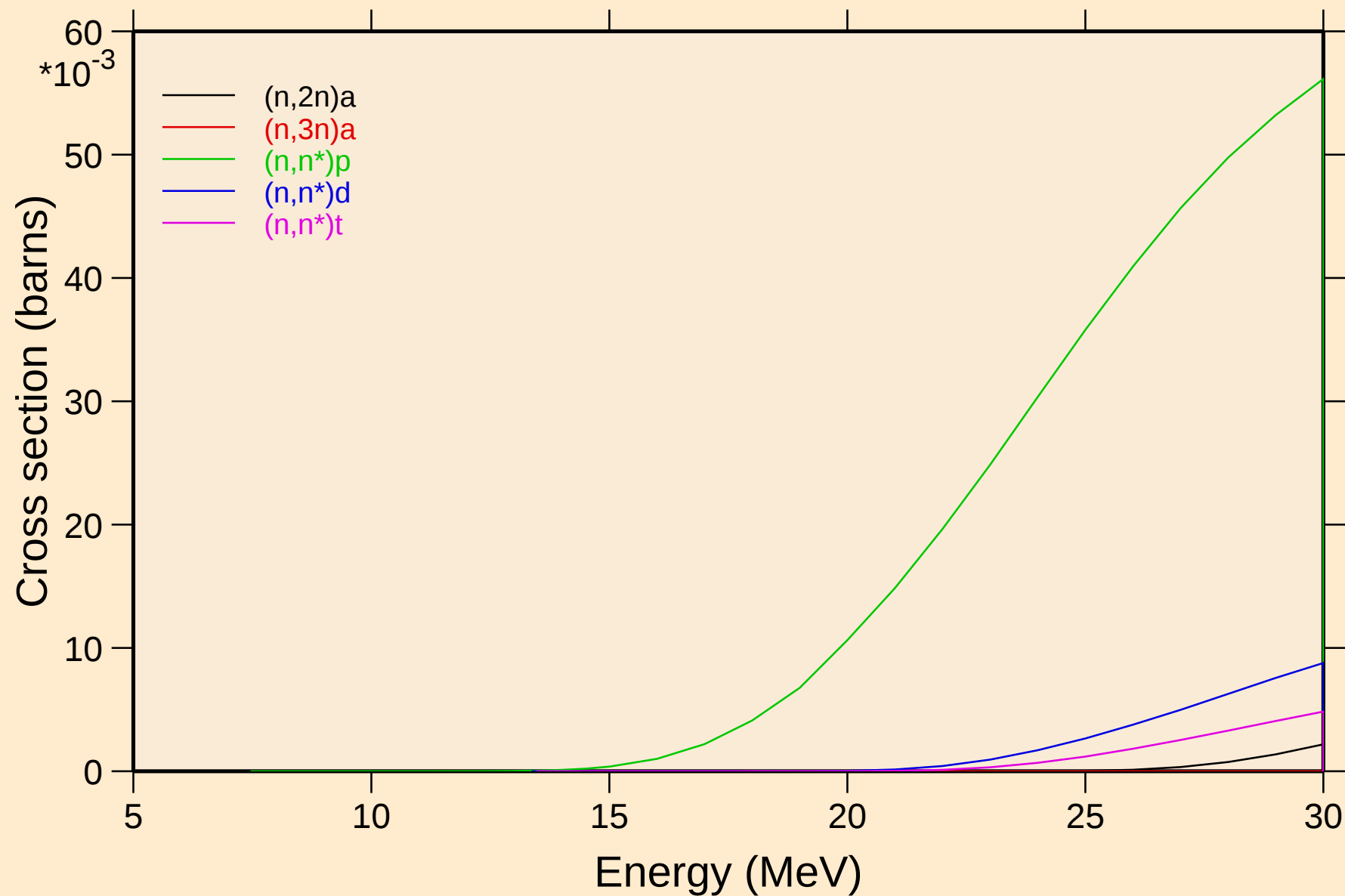
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## Threshold reactions



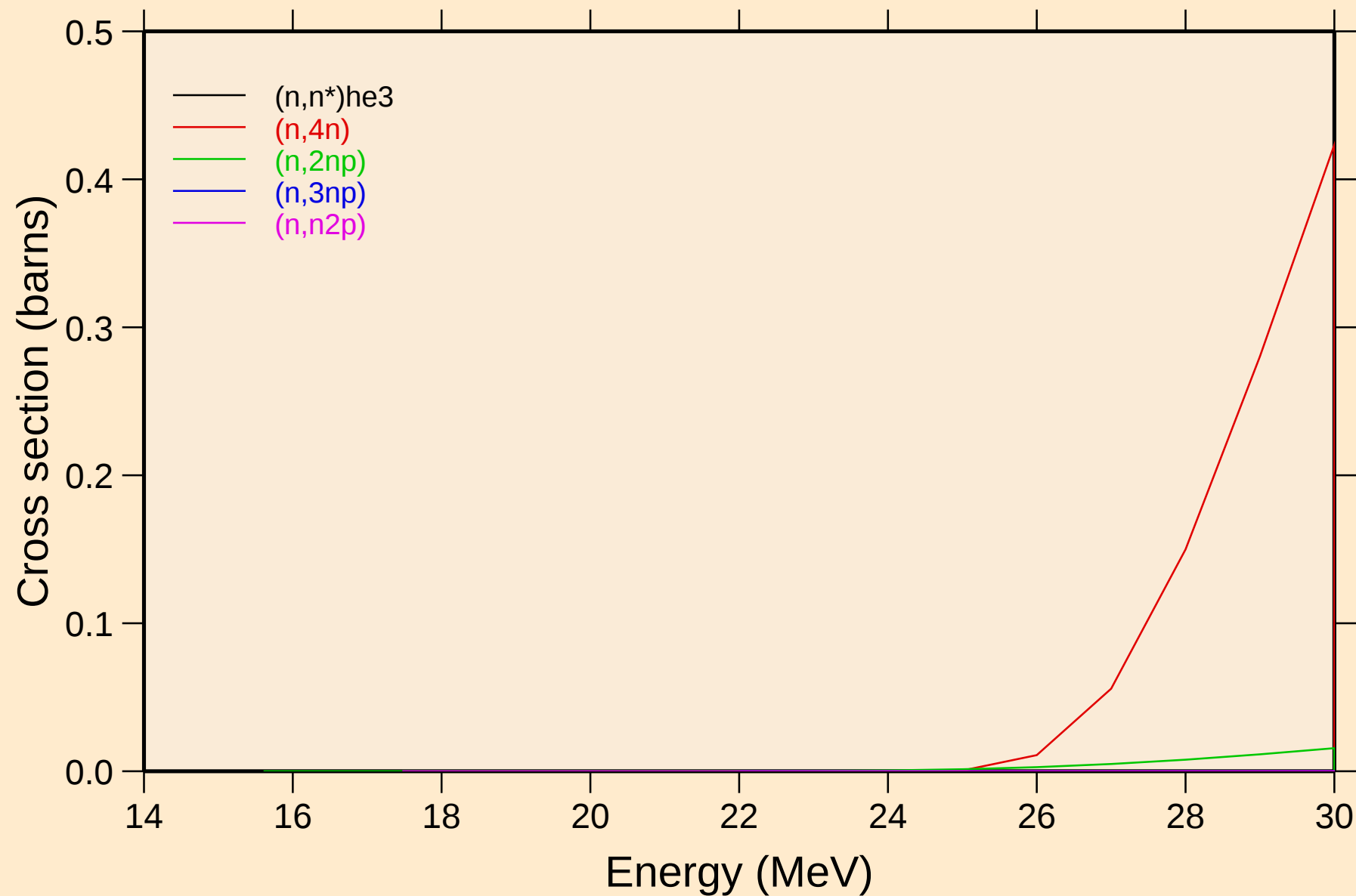
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Threshold reactions



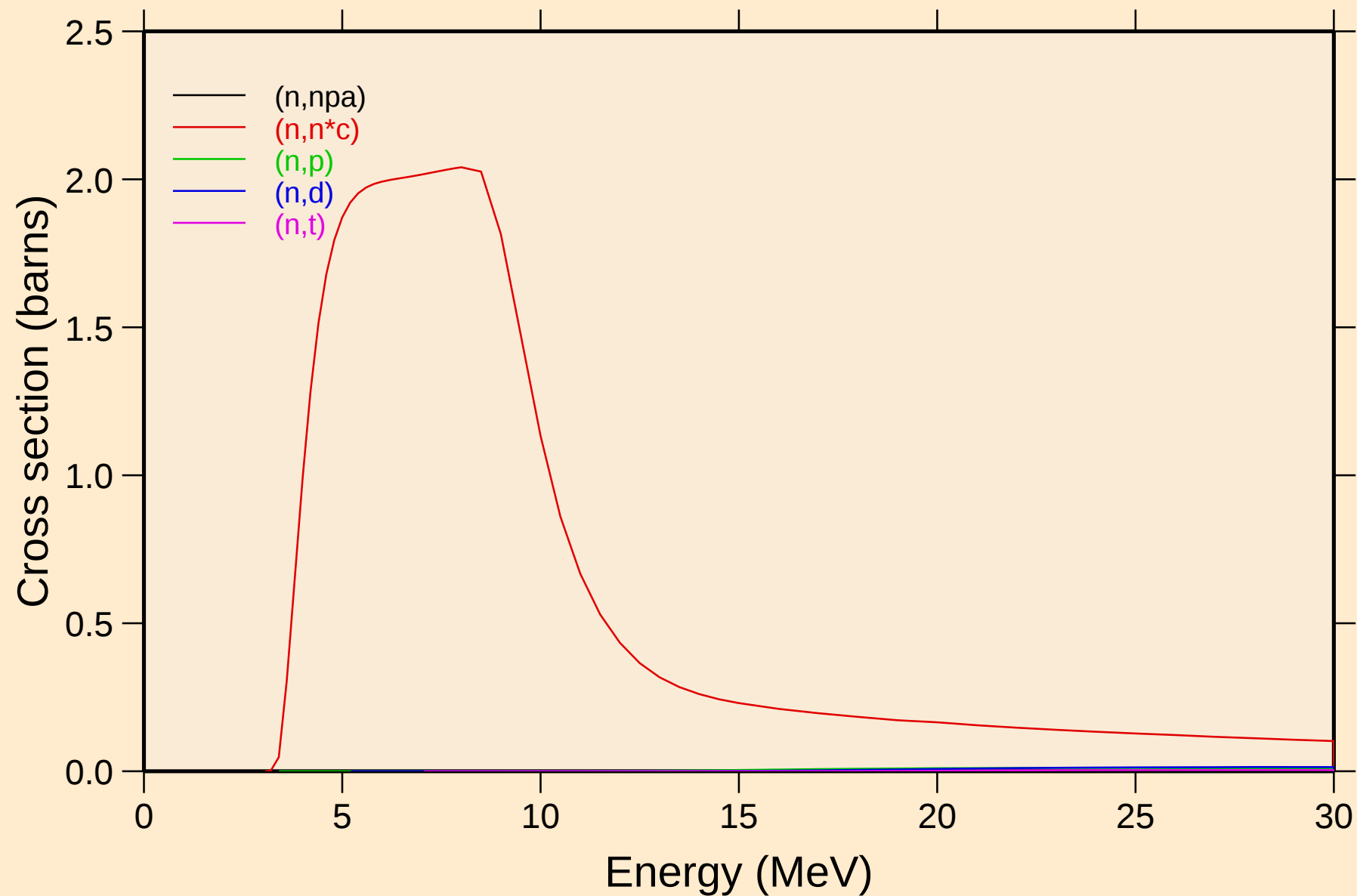
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Threshold reactions



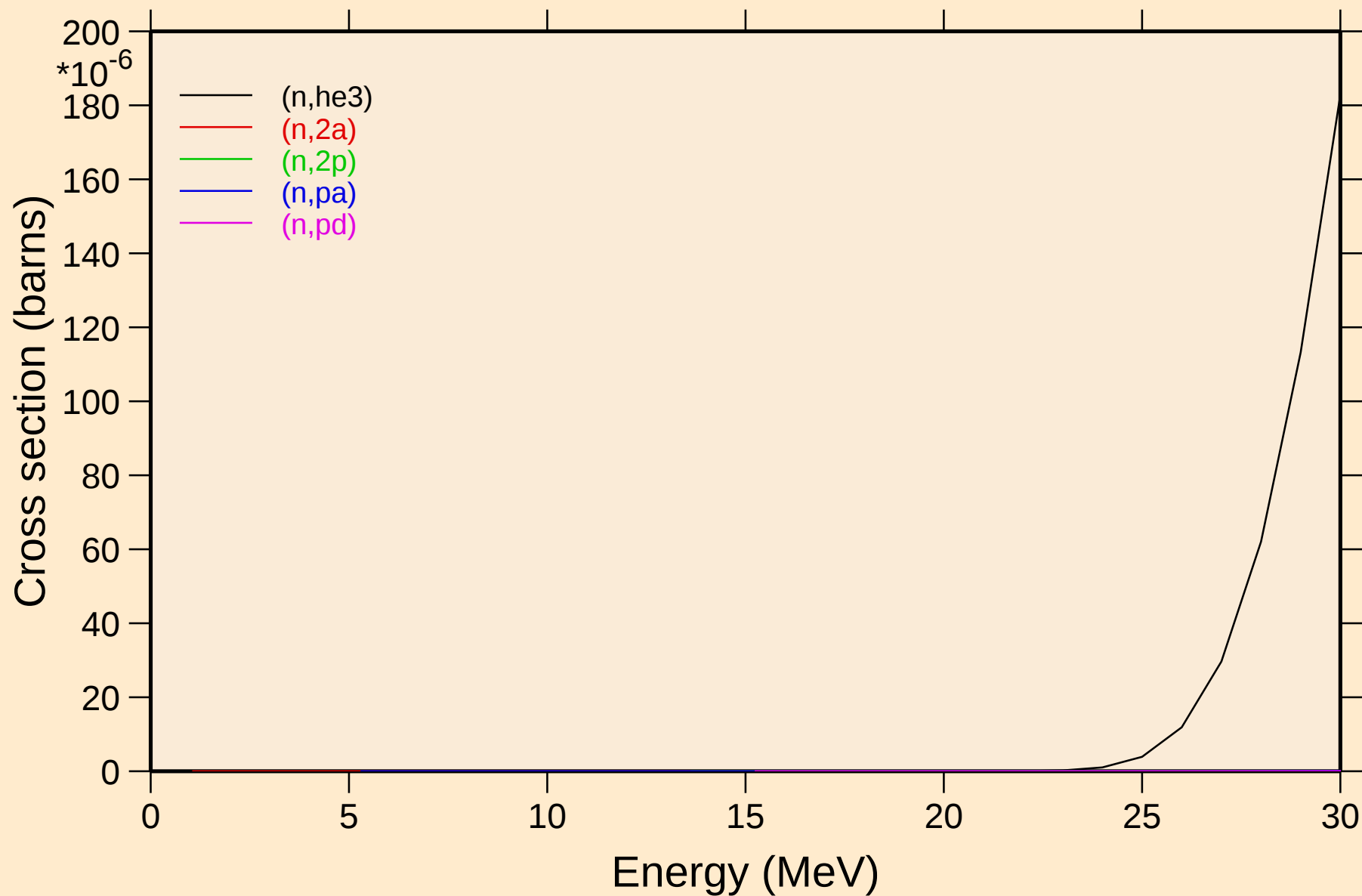
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## Threshold reactions



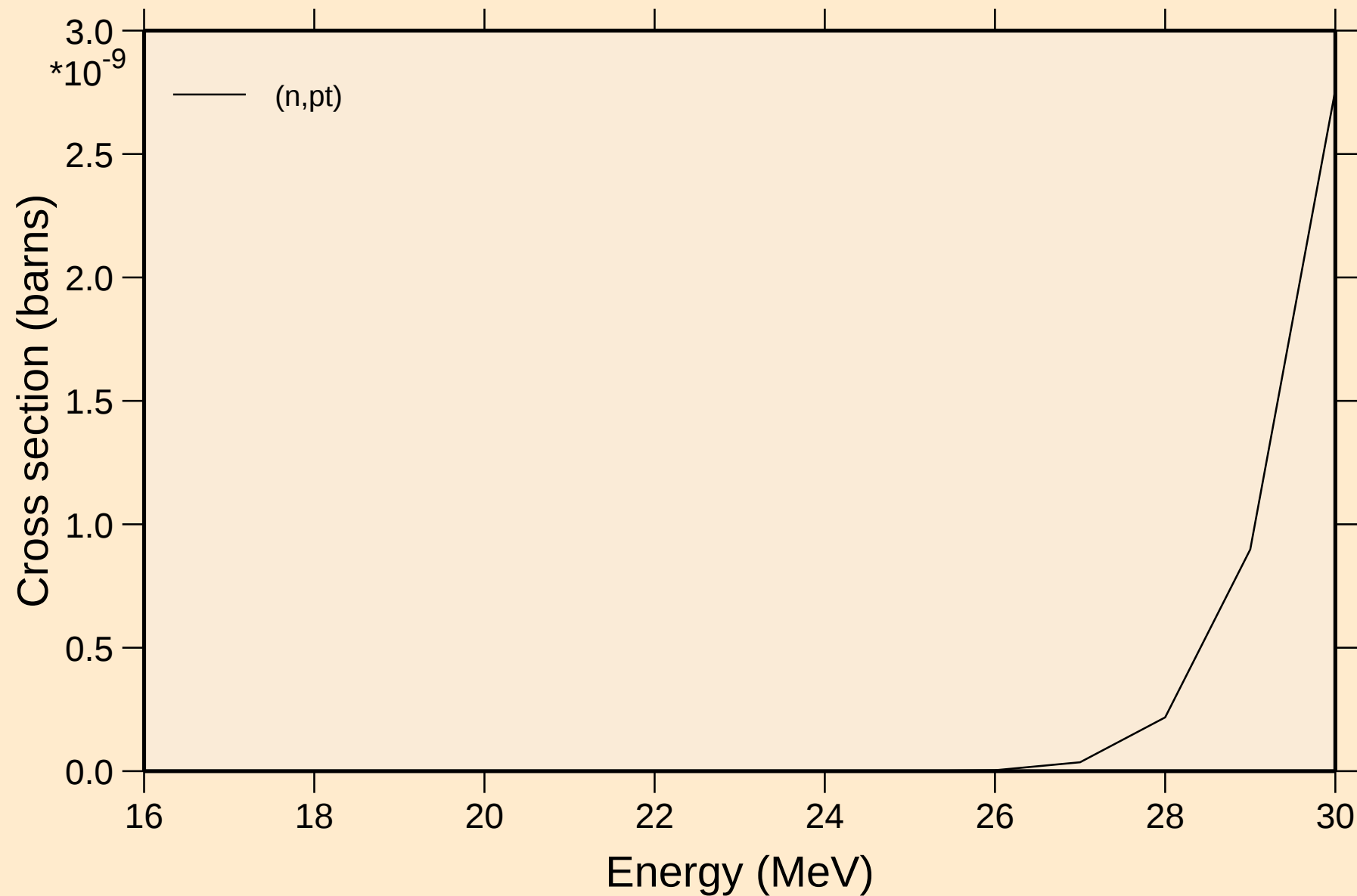
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Threshold reactions



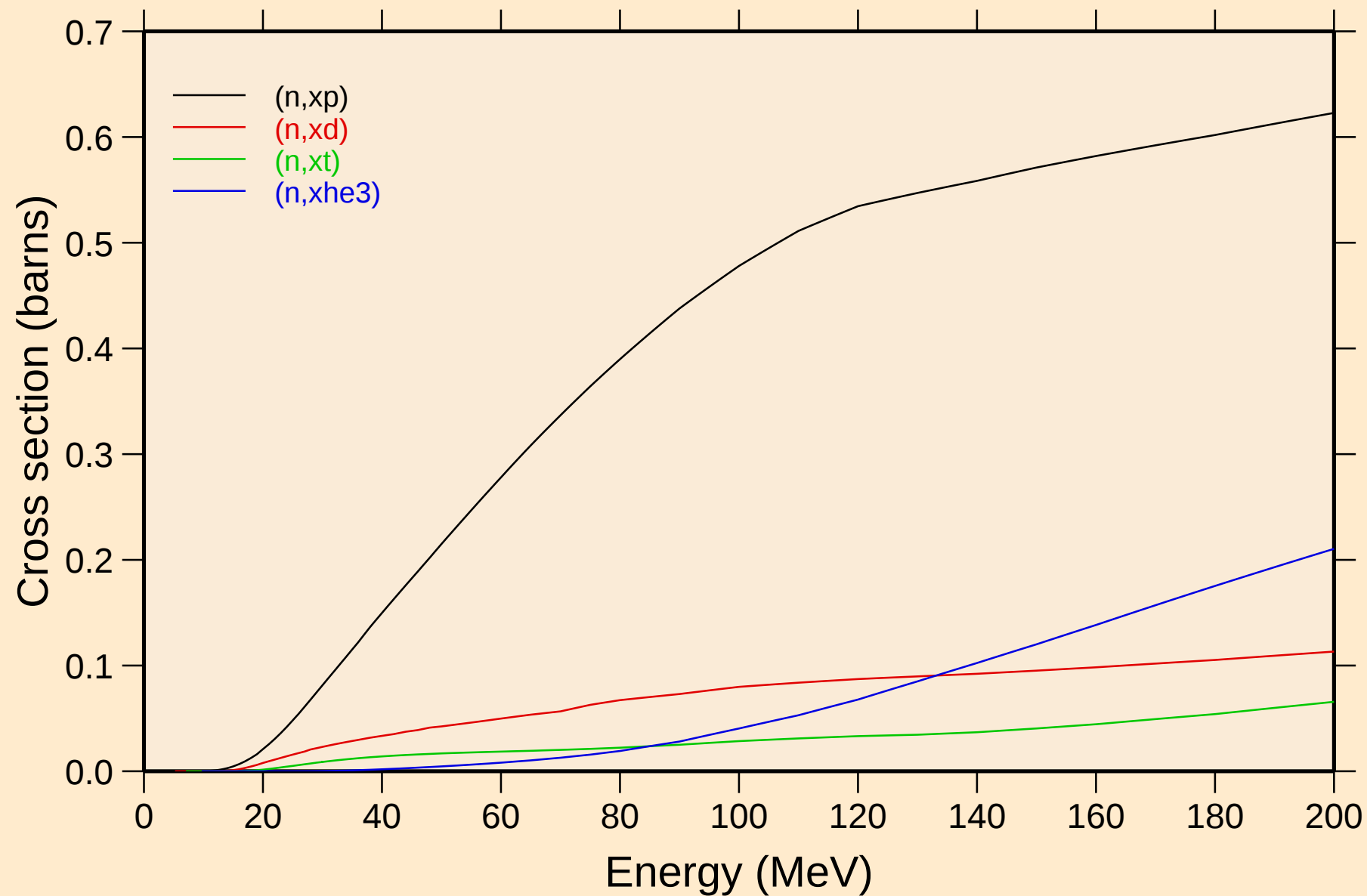
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Threshold reactions

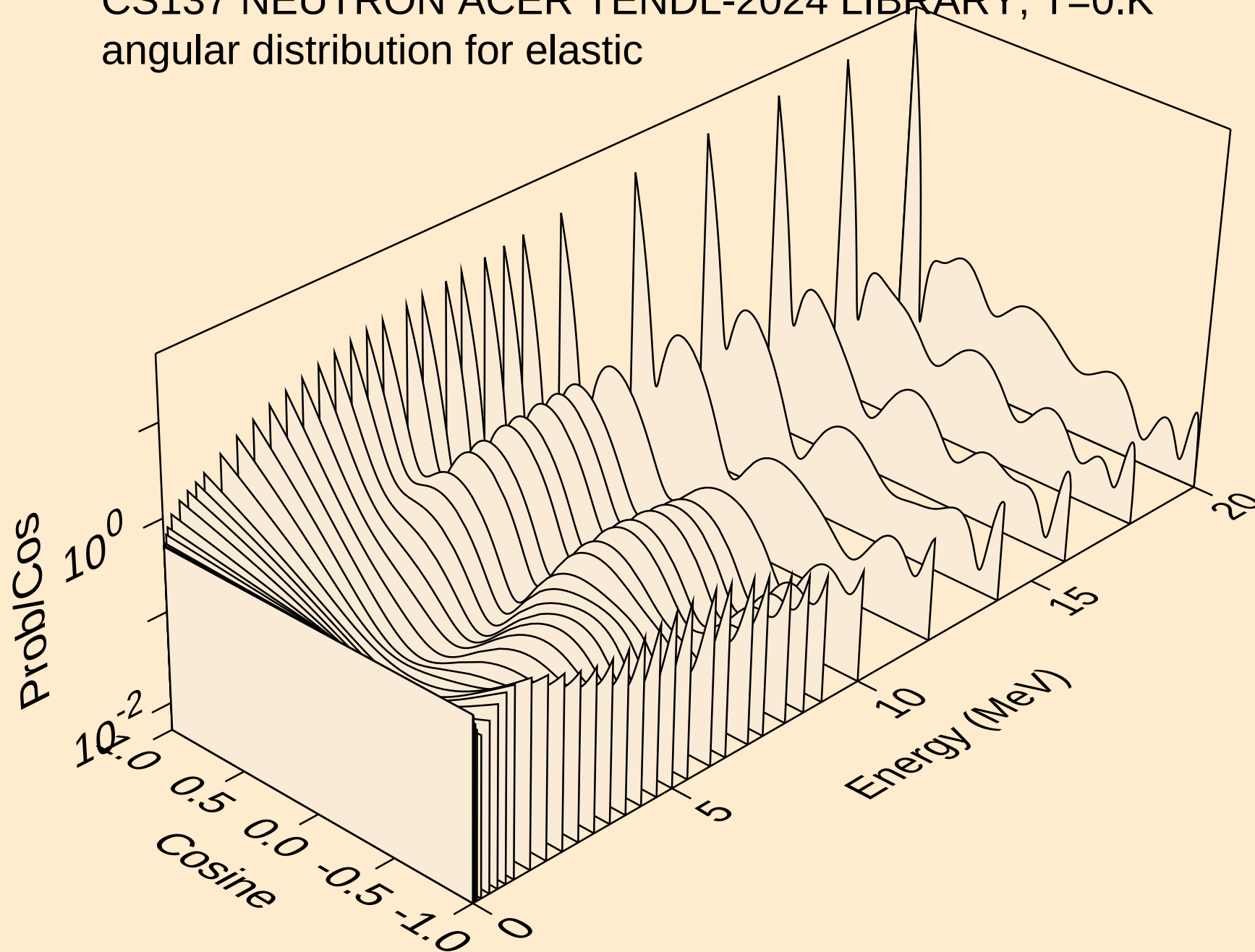


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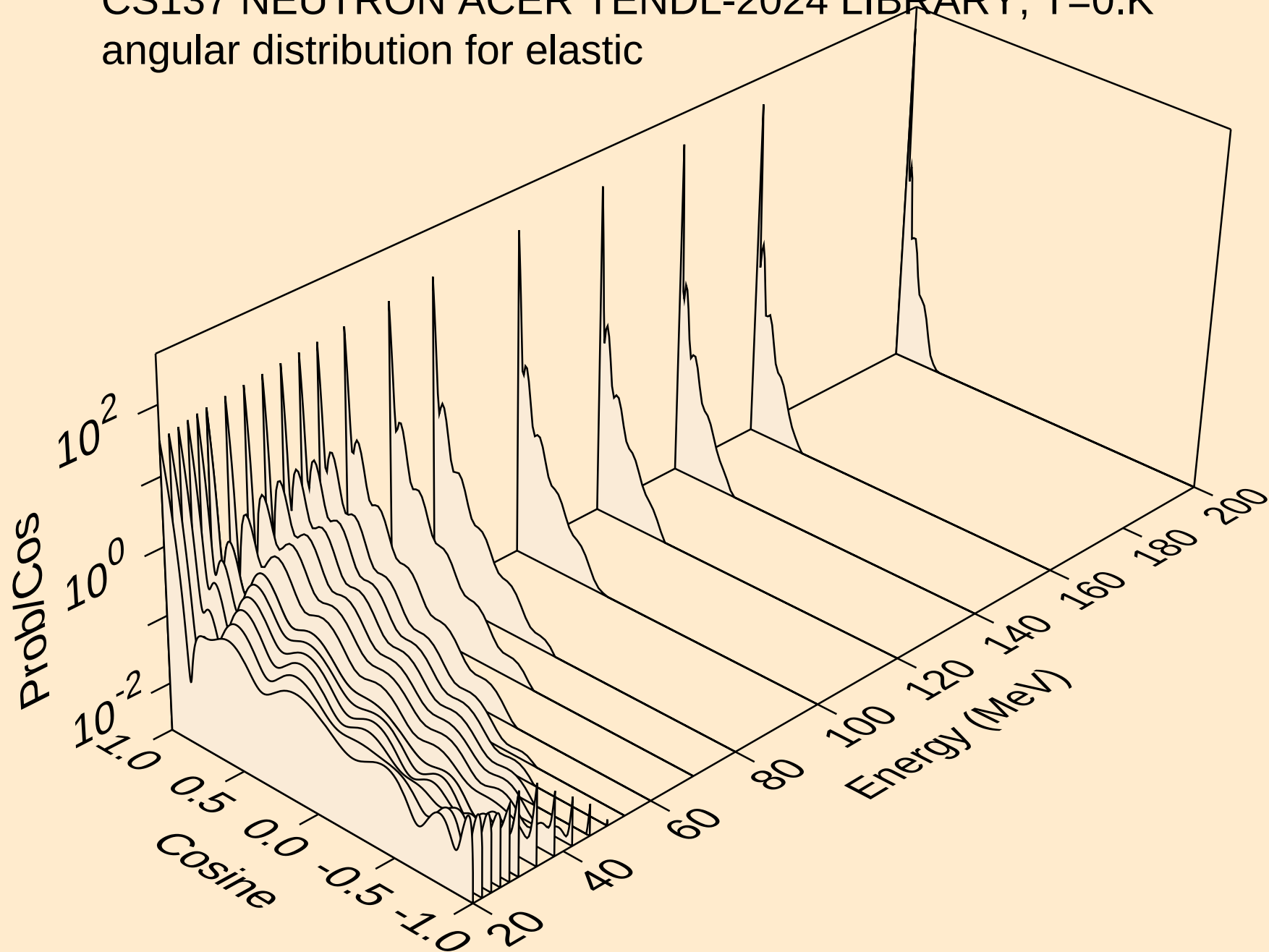
Threshold reactions



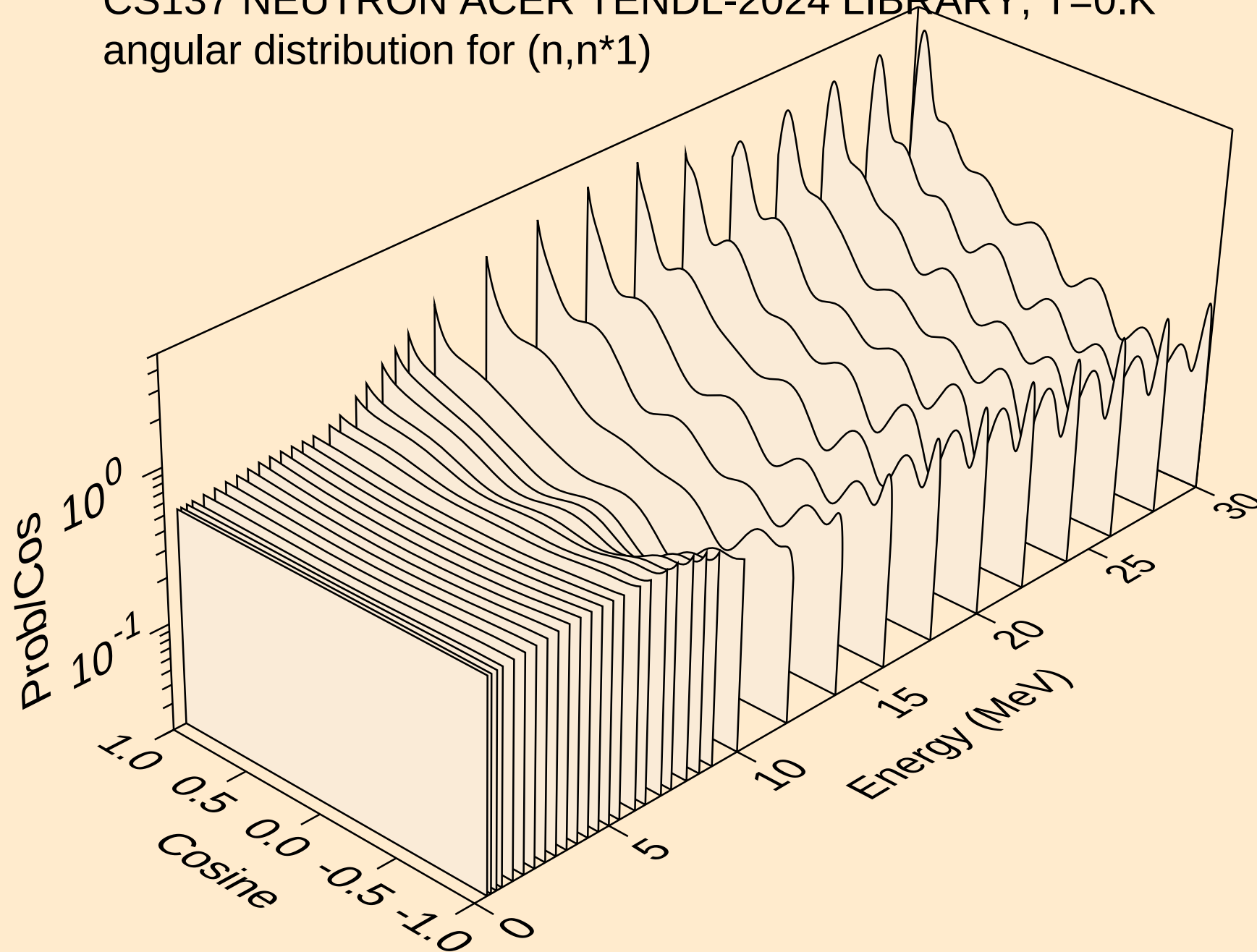
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



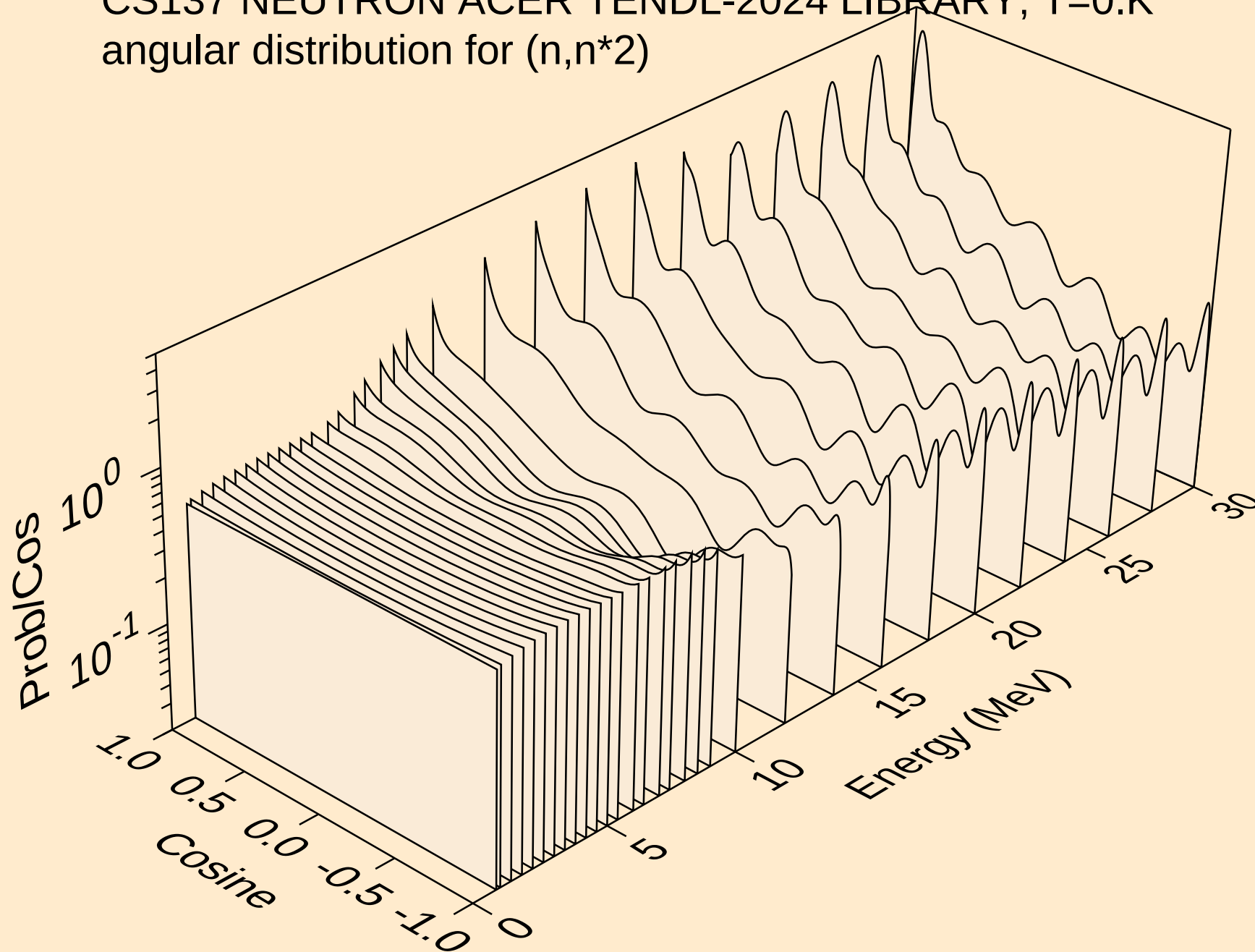
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



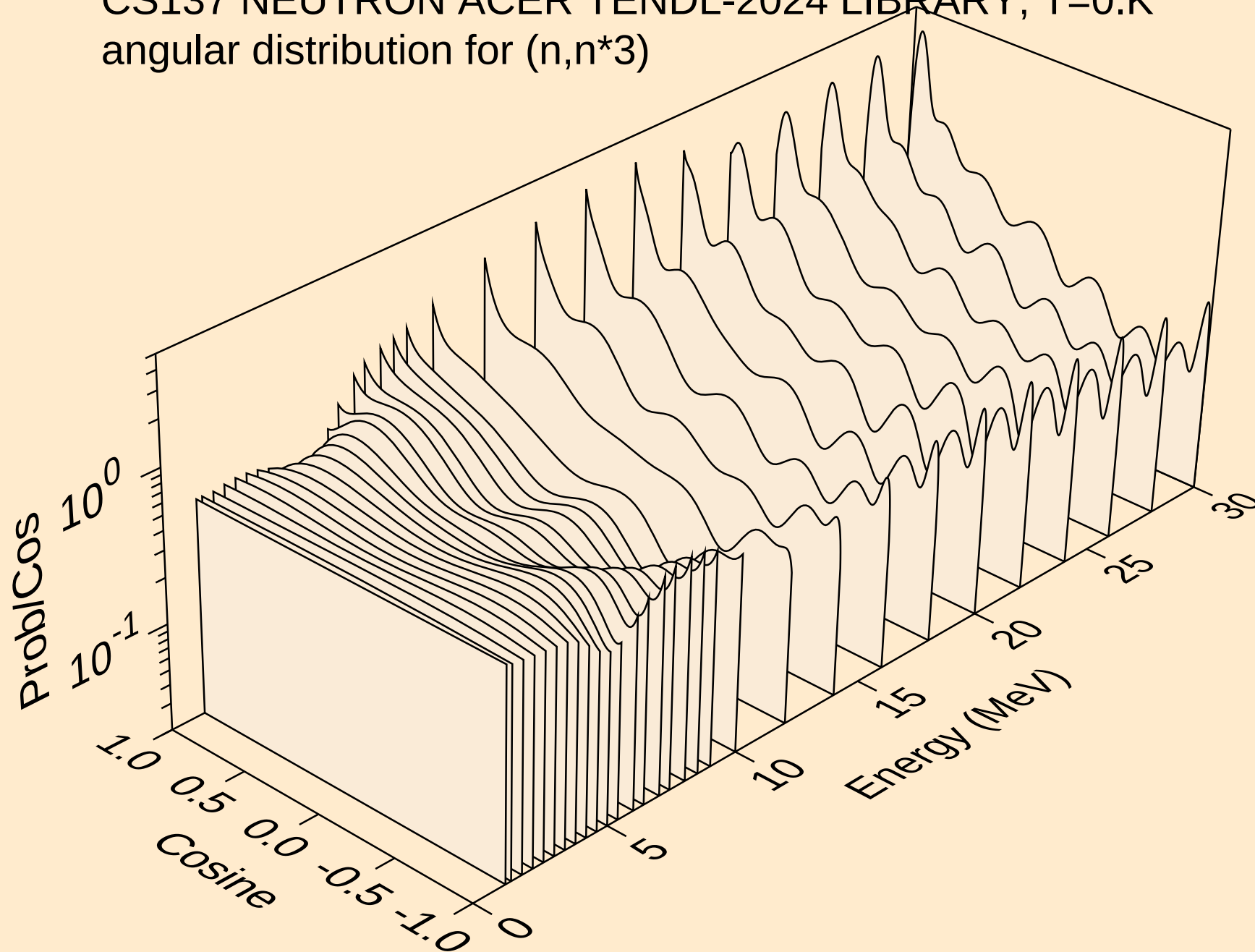
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



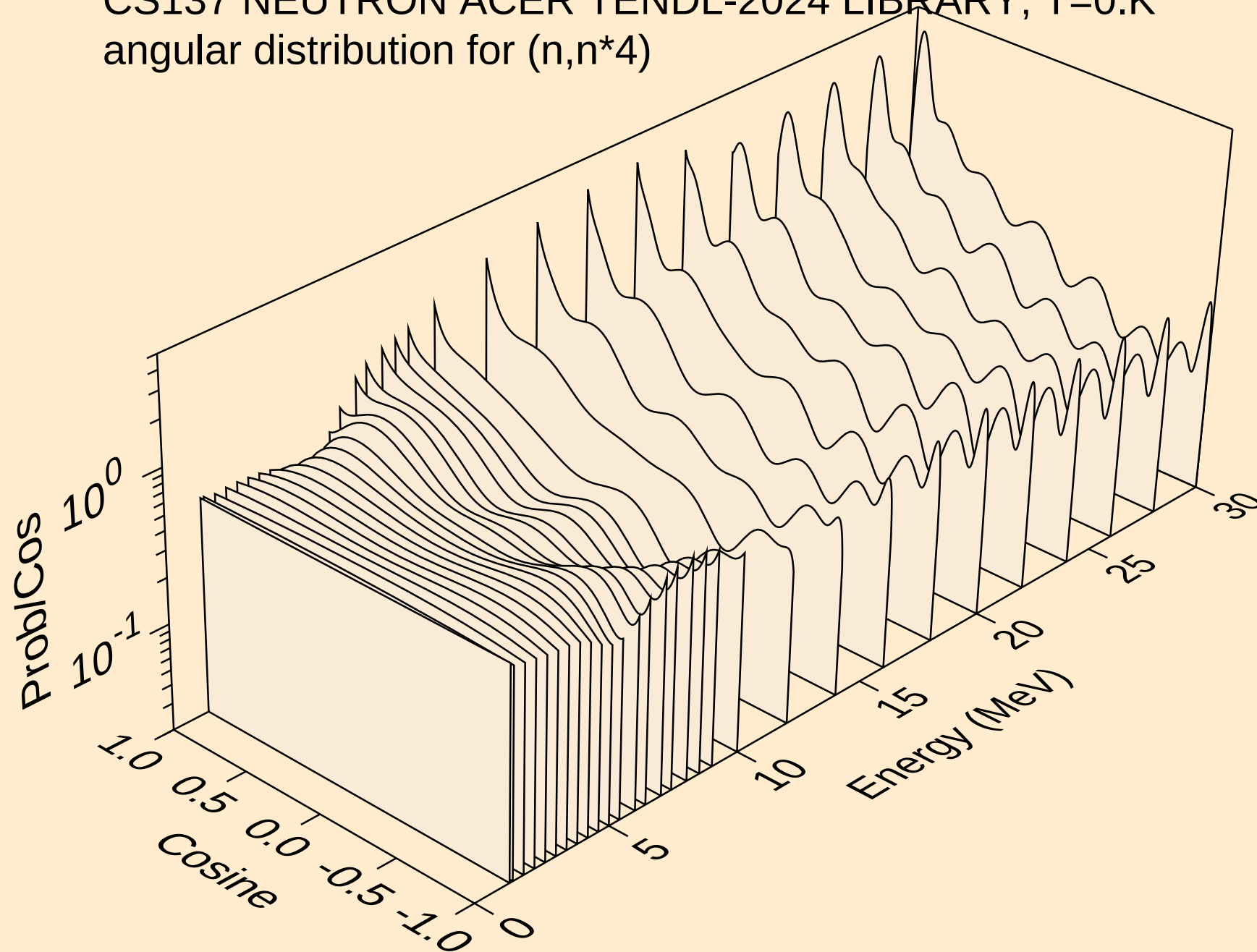
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



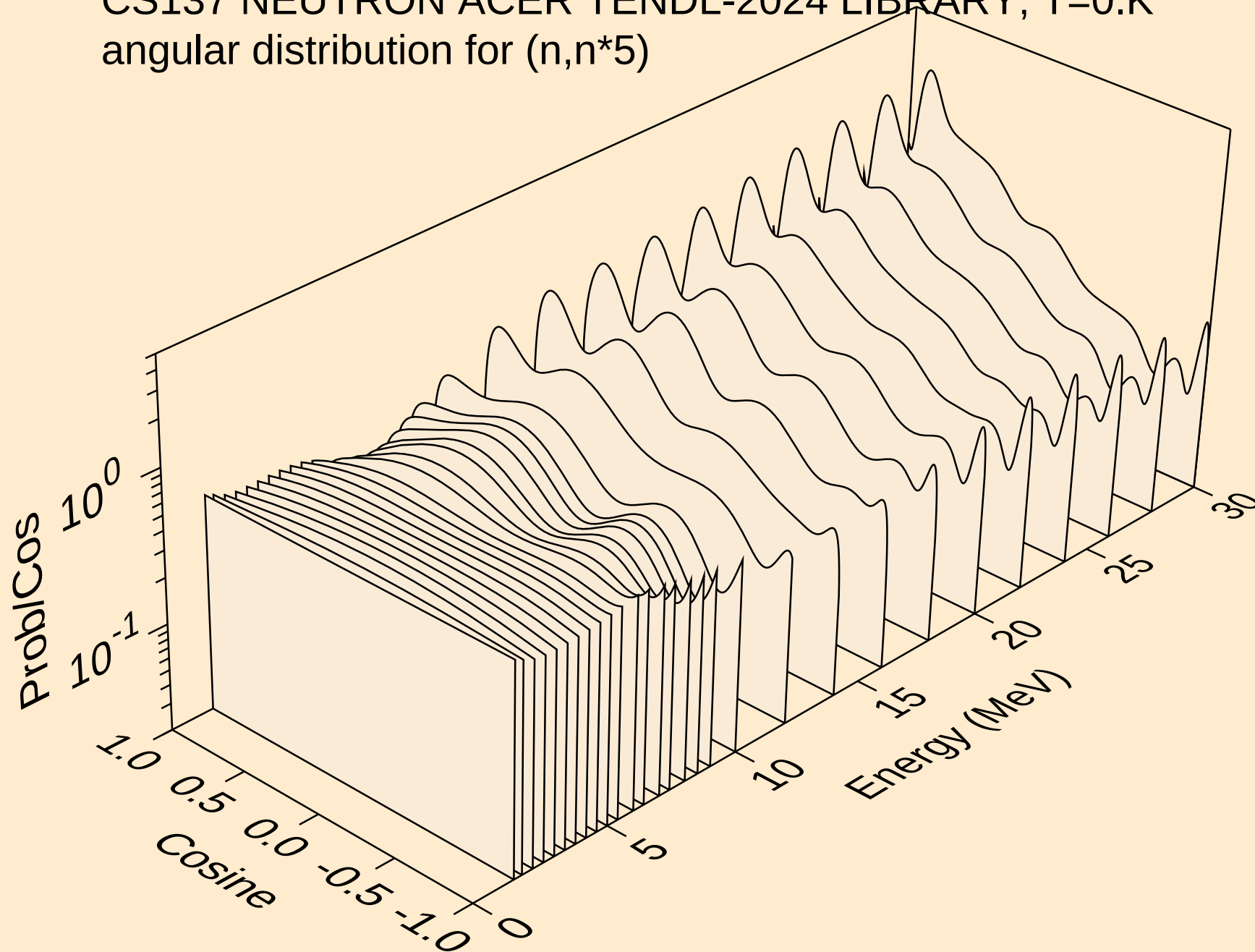
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



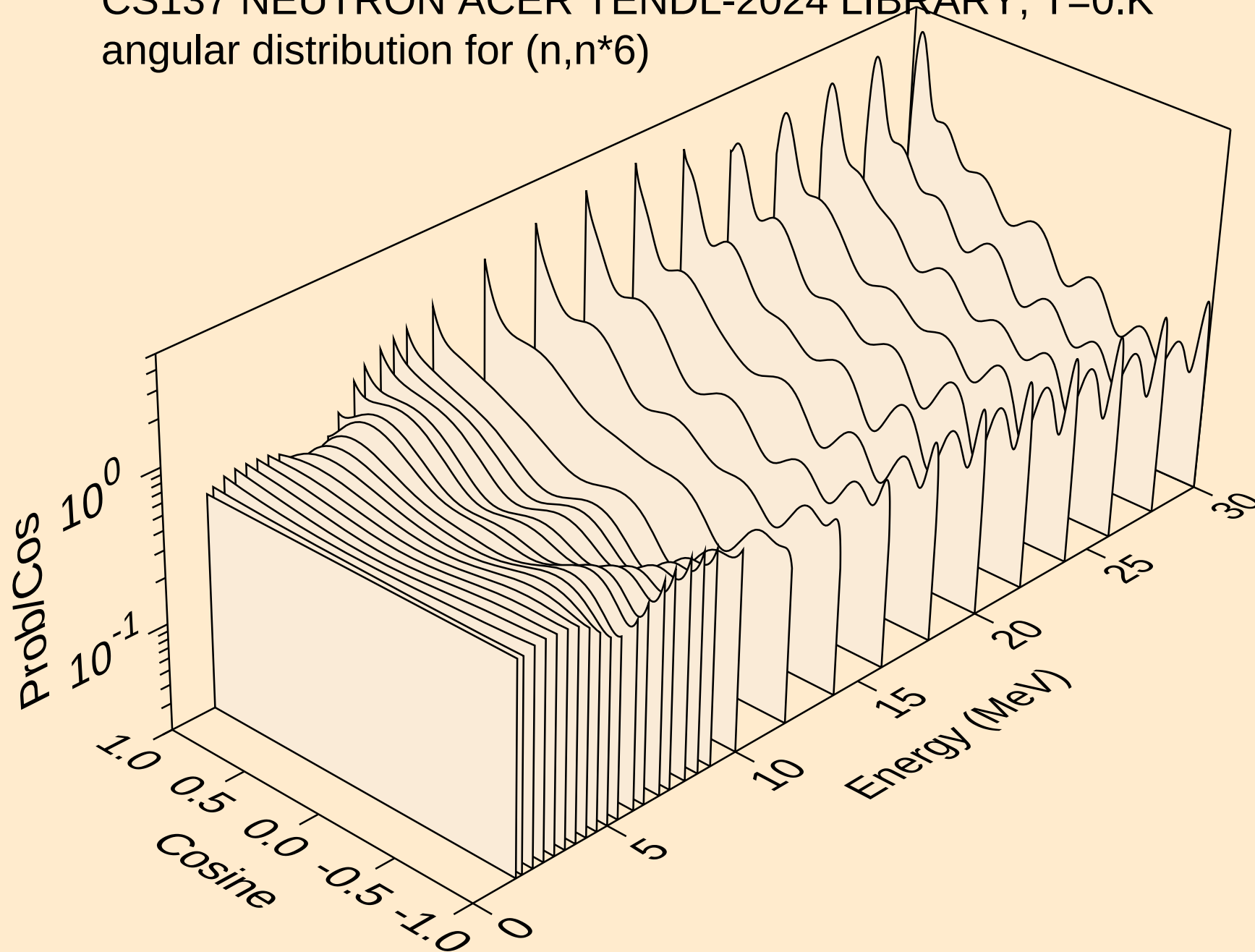
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



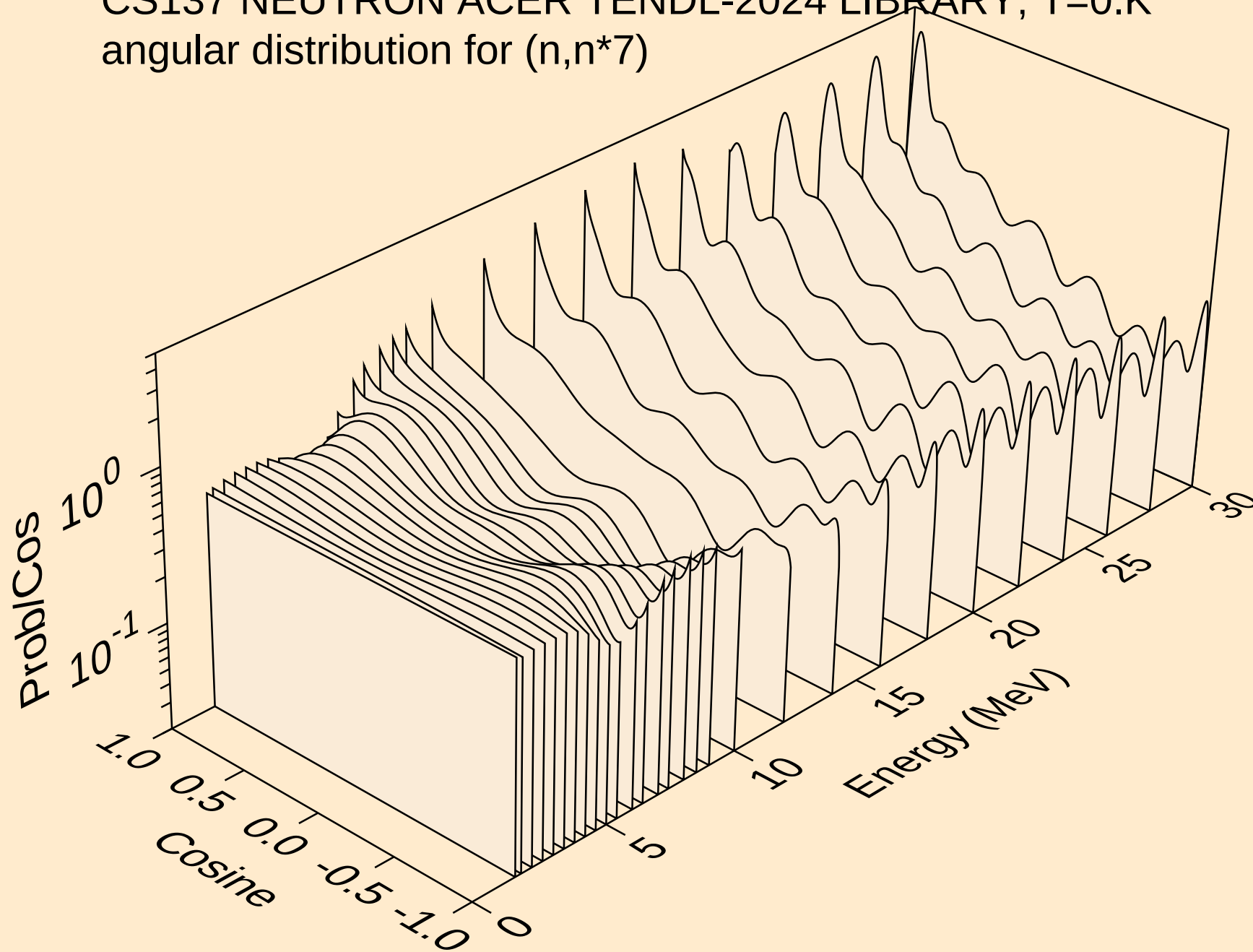
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



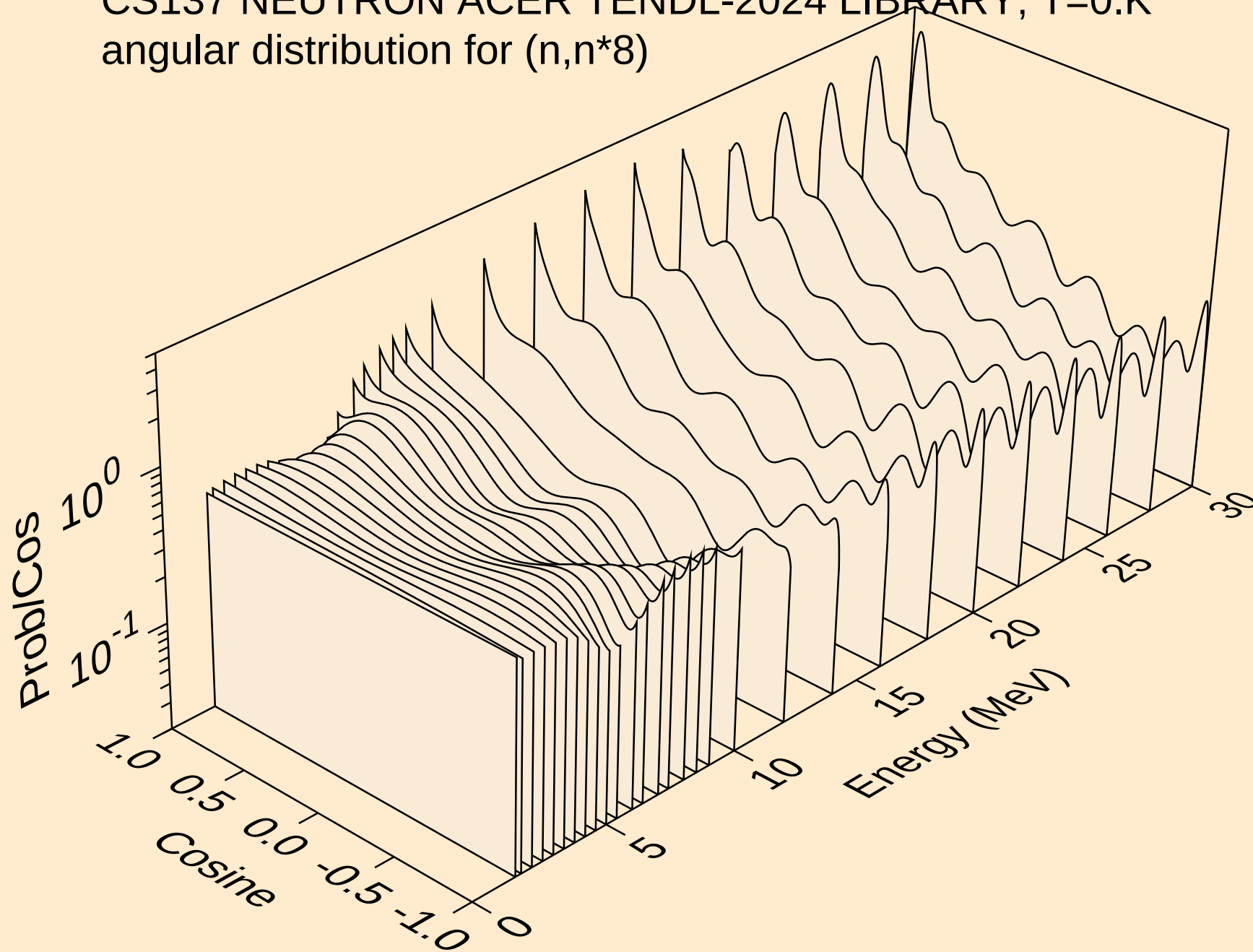
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angular distribution for (n,n\*6)



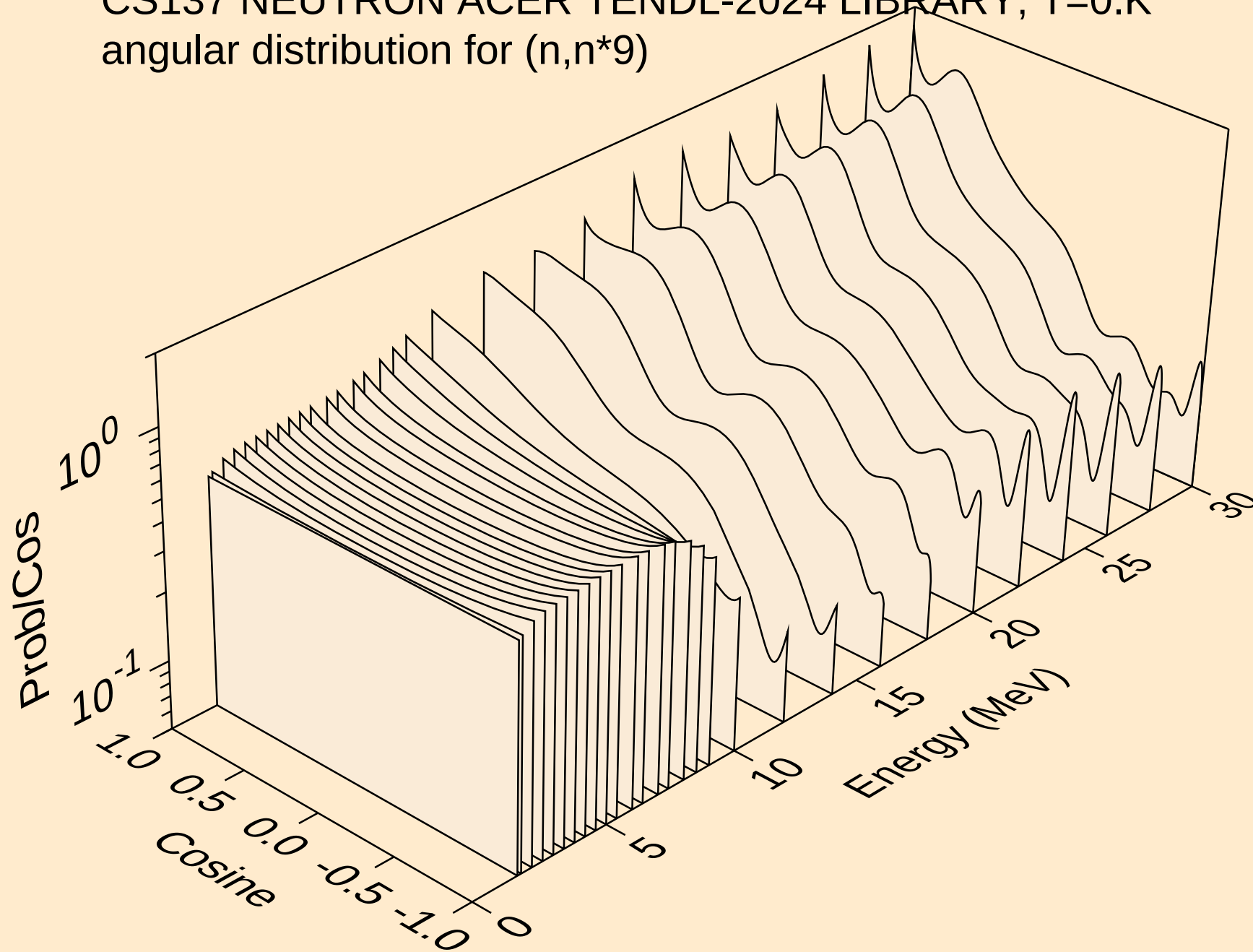
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angular distribution for (n,n\*7)



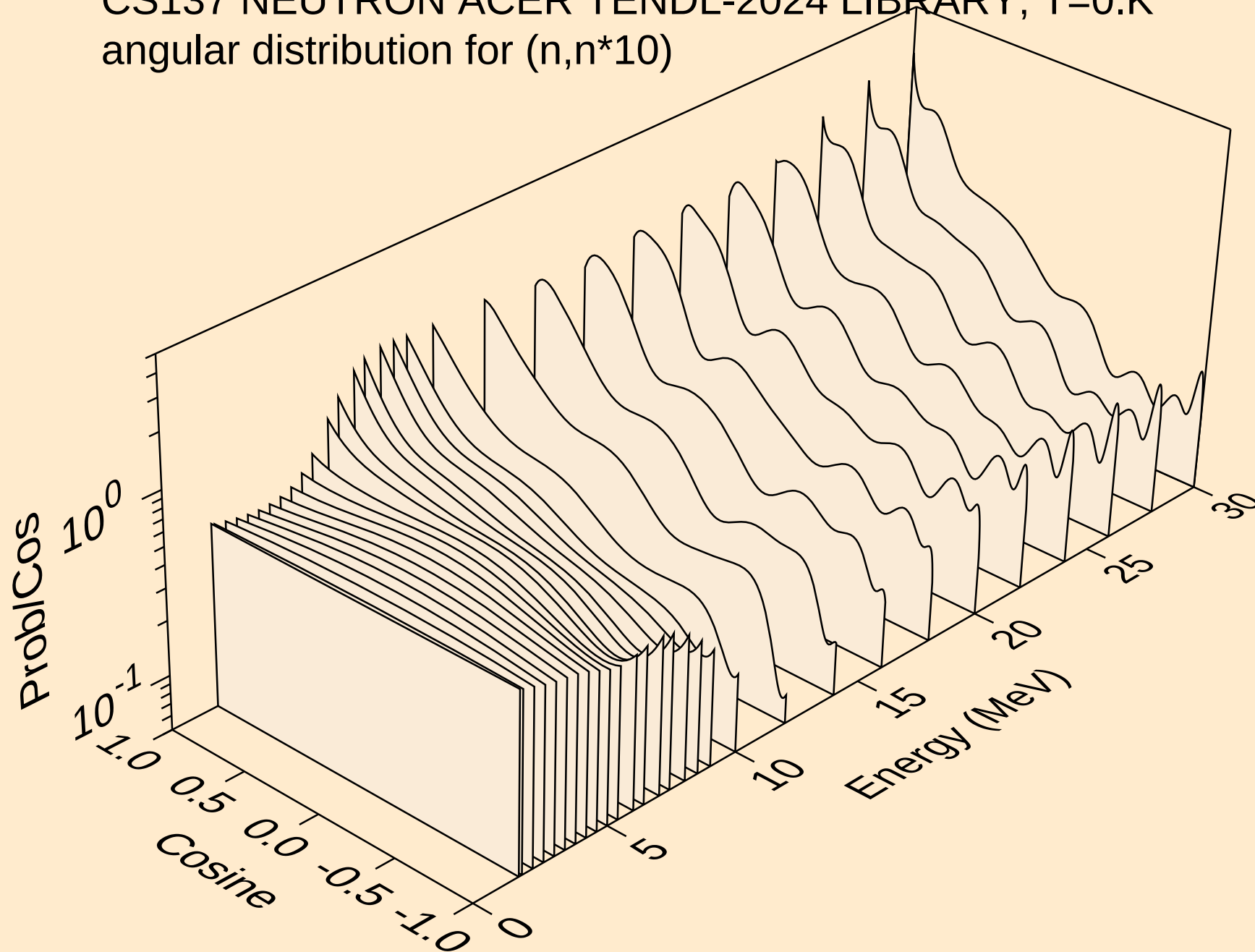
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angular distribution for (n,n\*8)



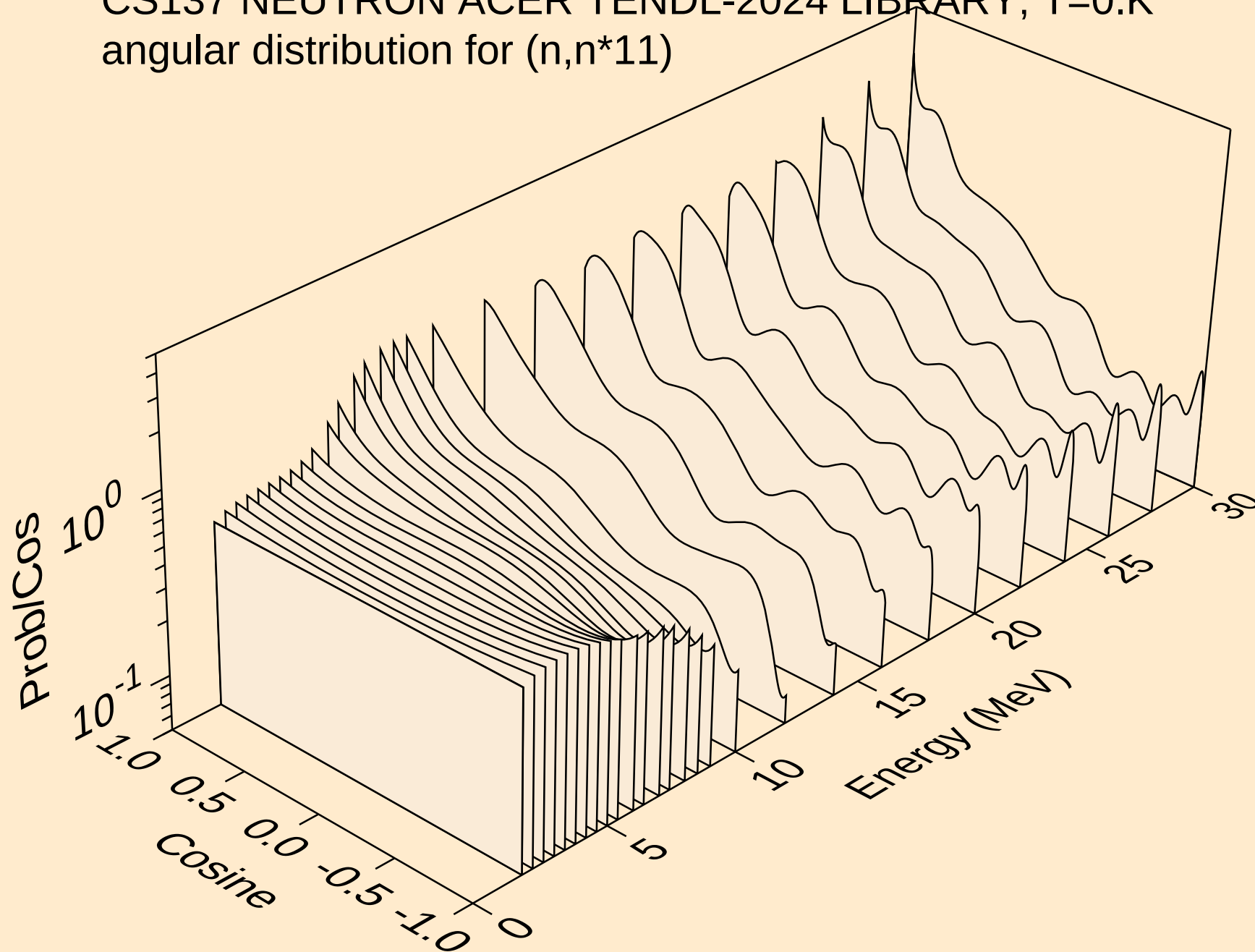
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angular distribution for (n,n\*9)



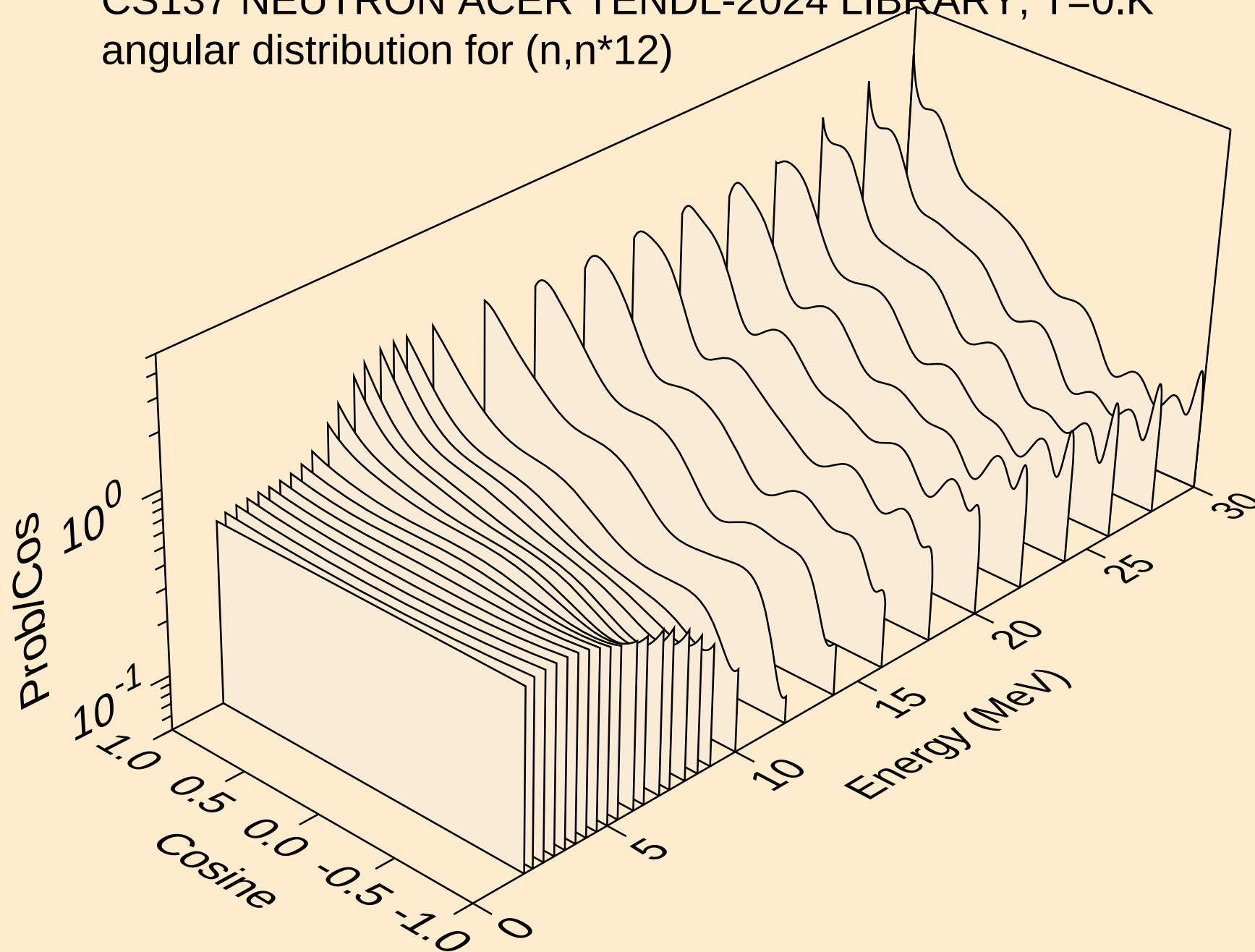
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angular distribution for (n,n\*10)



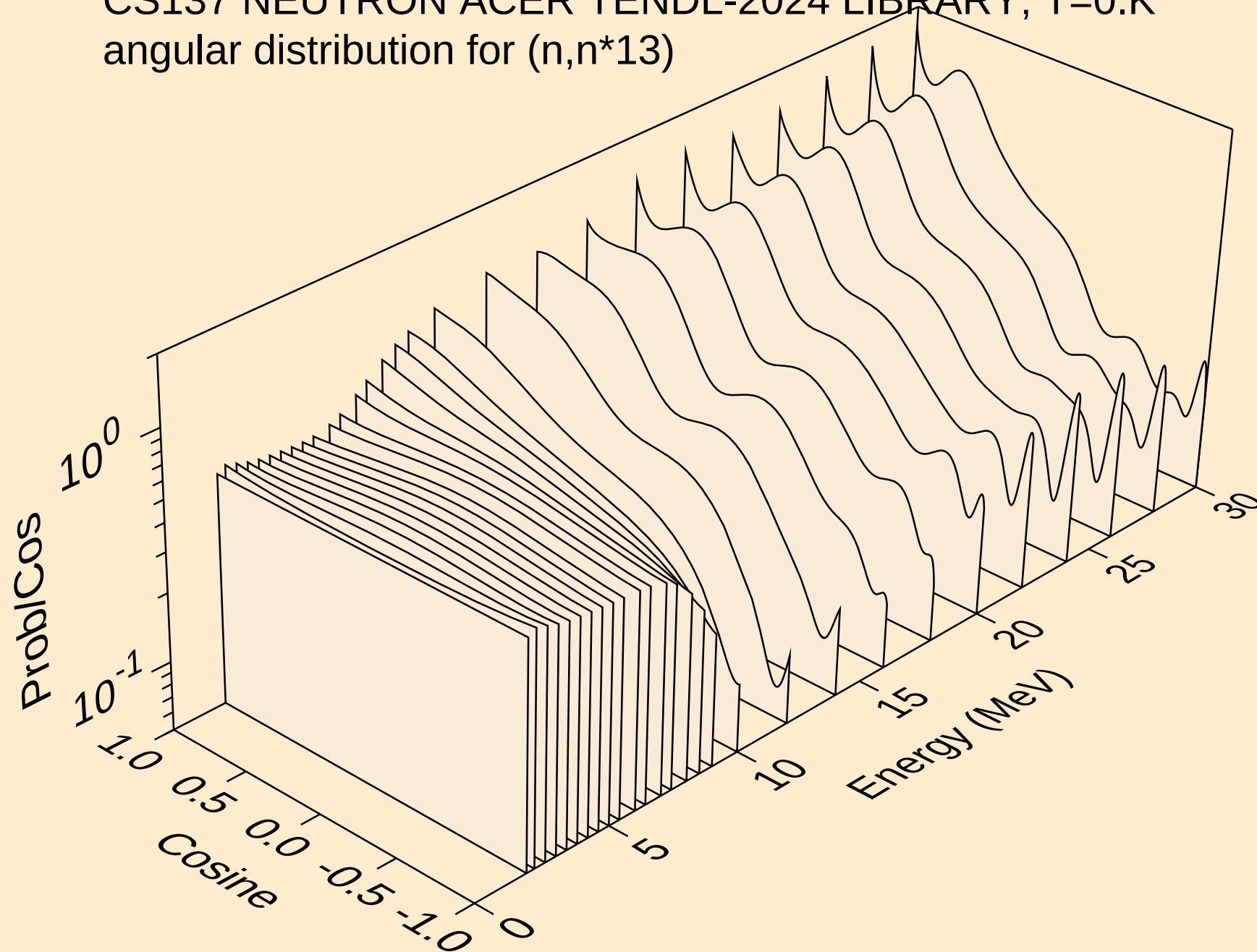
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angular distribution for (n,n\*11)



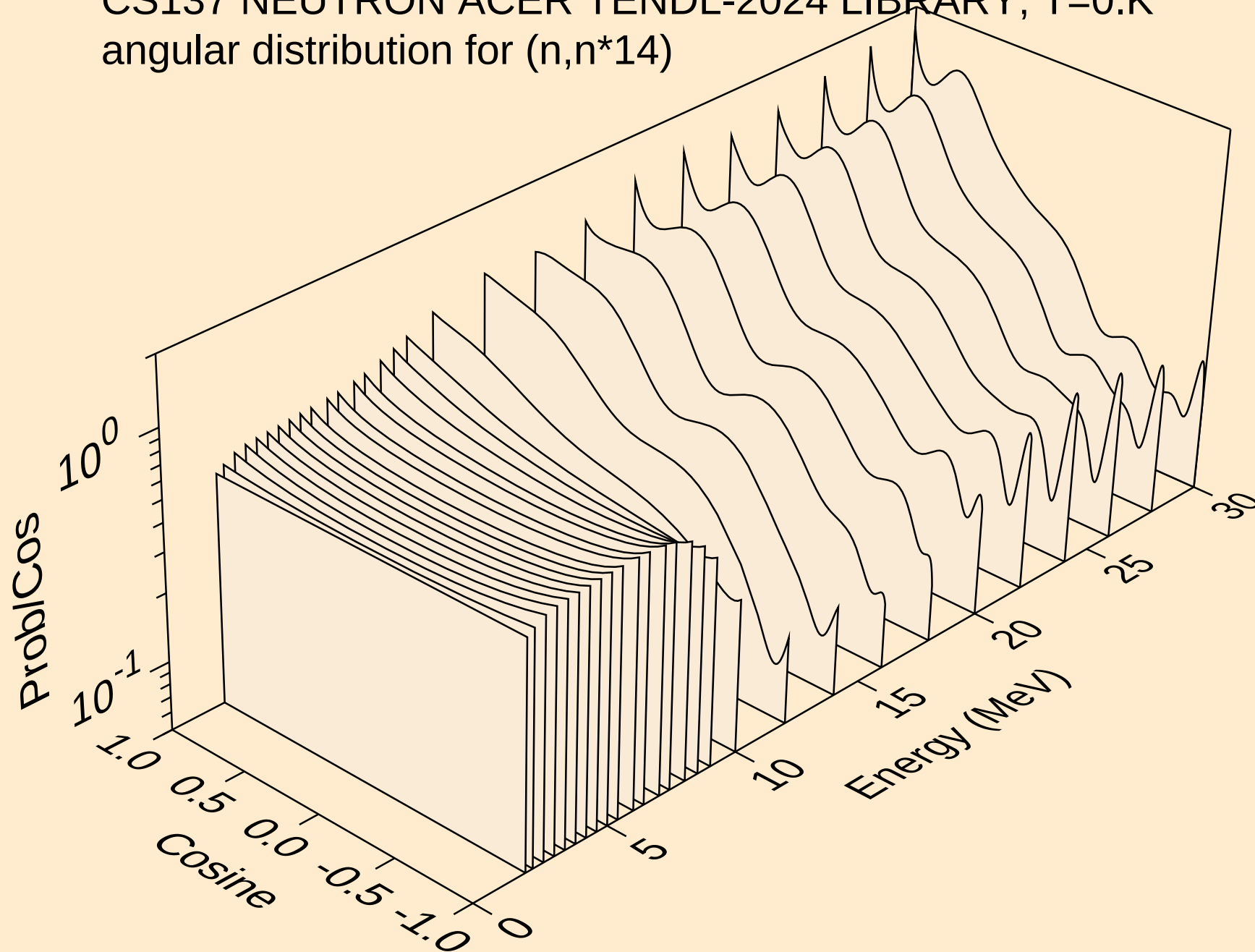
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angular distribution for (n,n\*12)



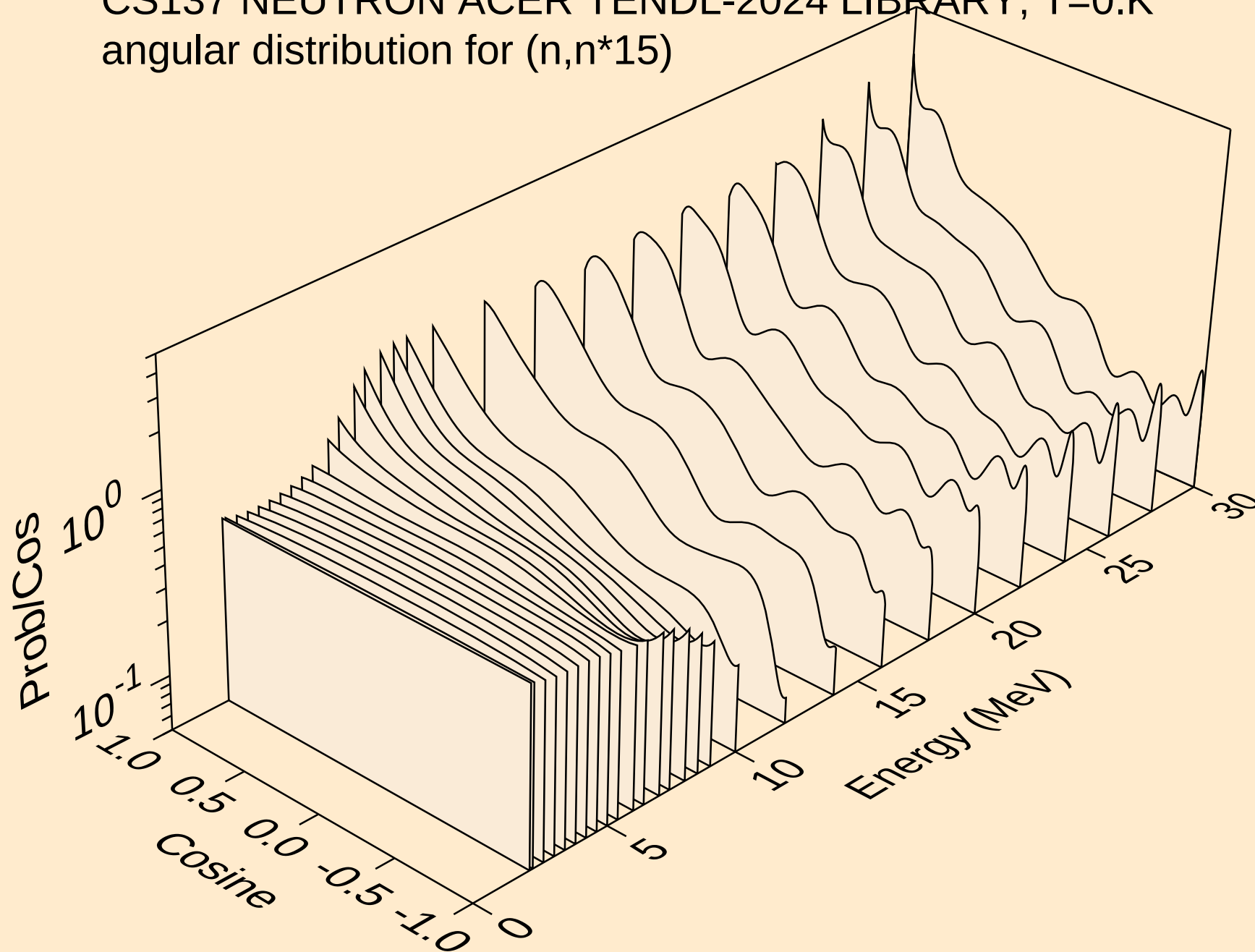
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angular distribution for (n,n\*13)



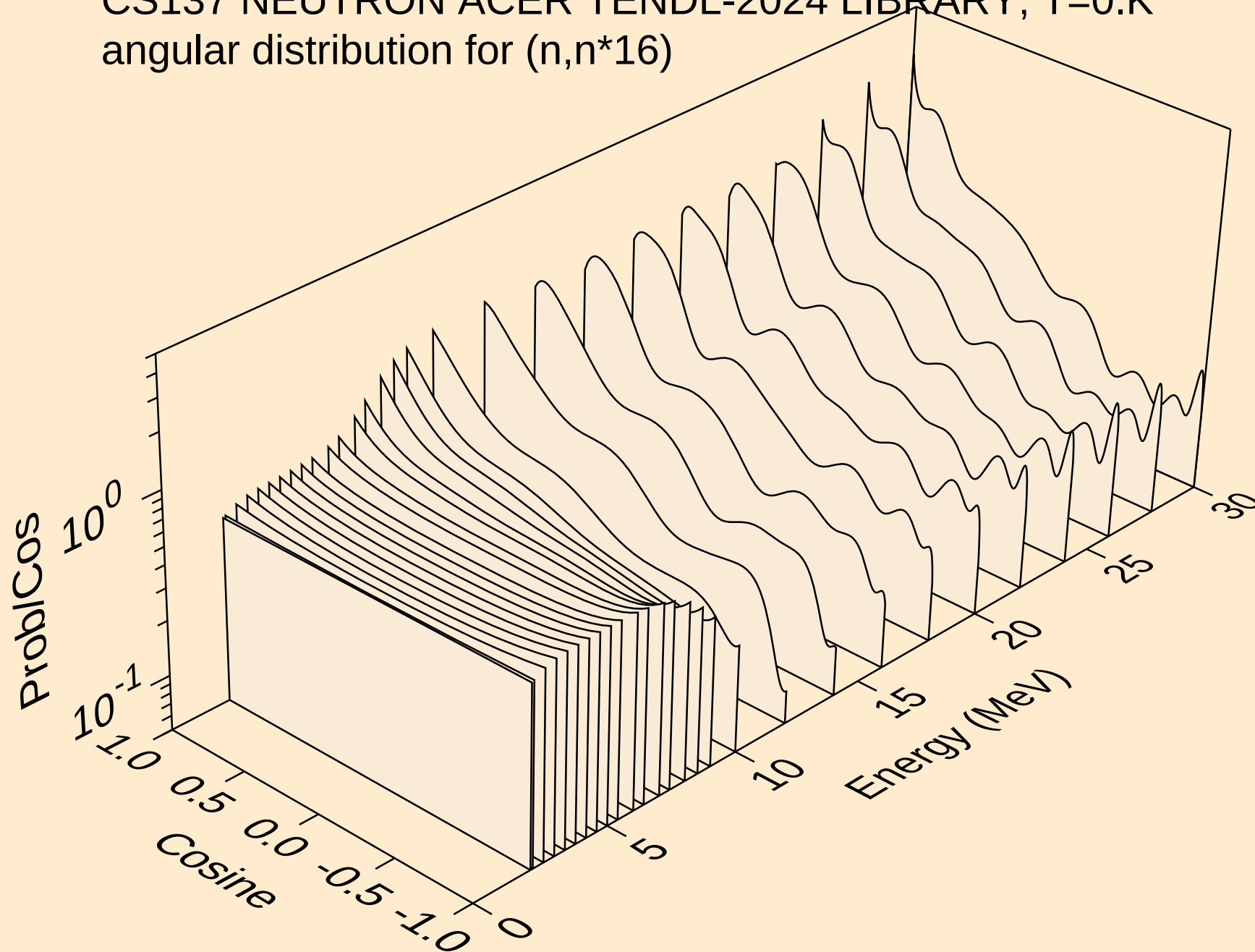
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angular distribution for (n,n\*14)



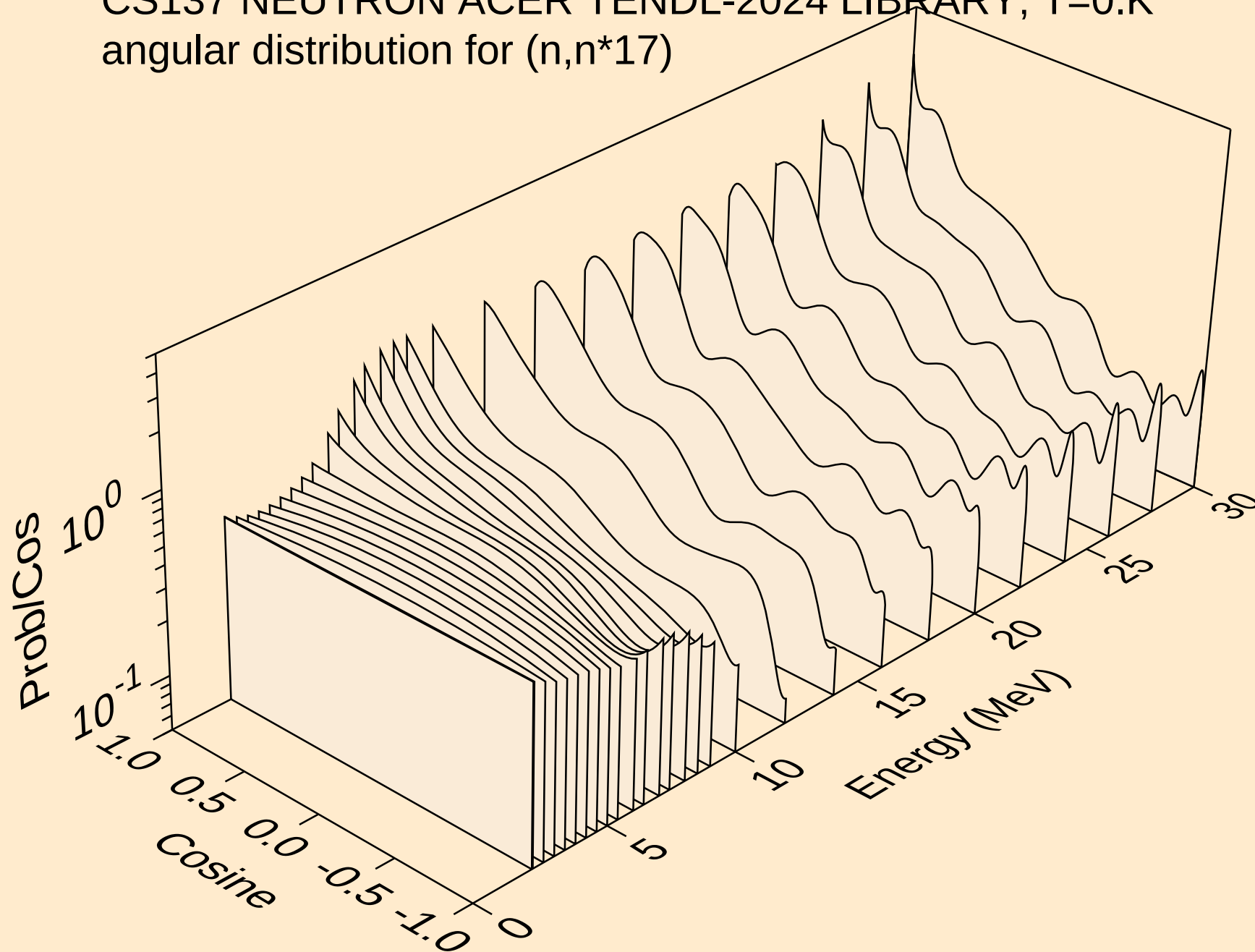
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angular distribution for (n,n\*15)



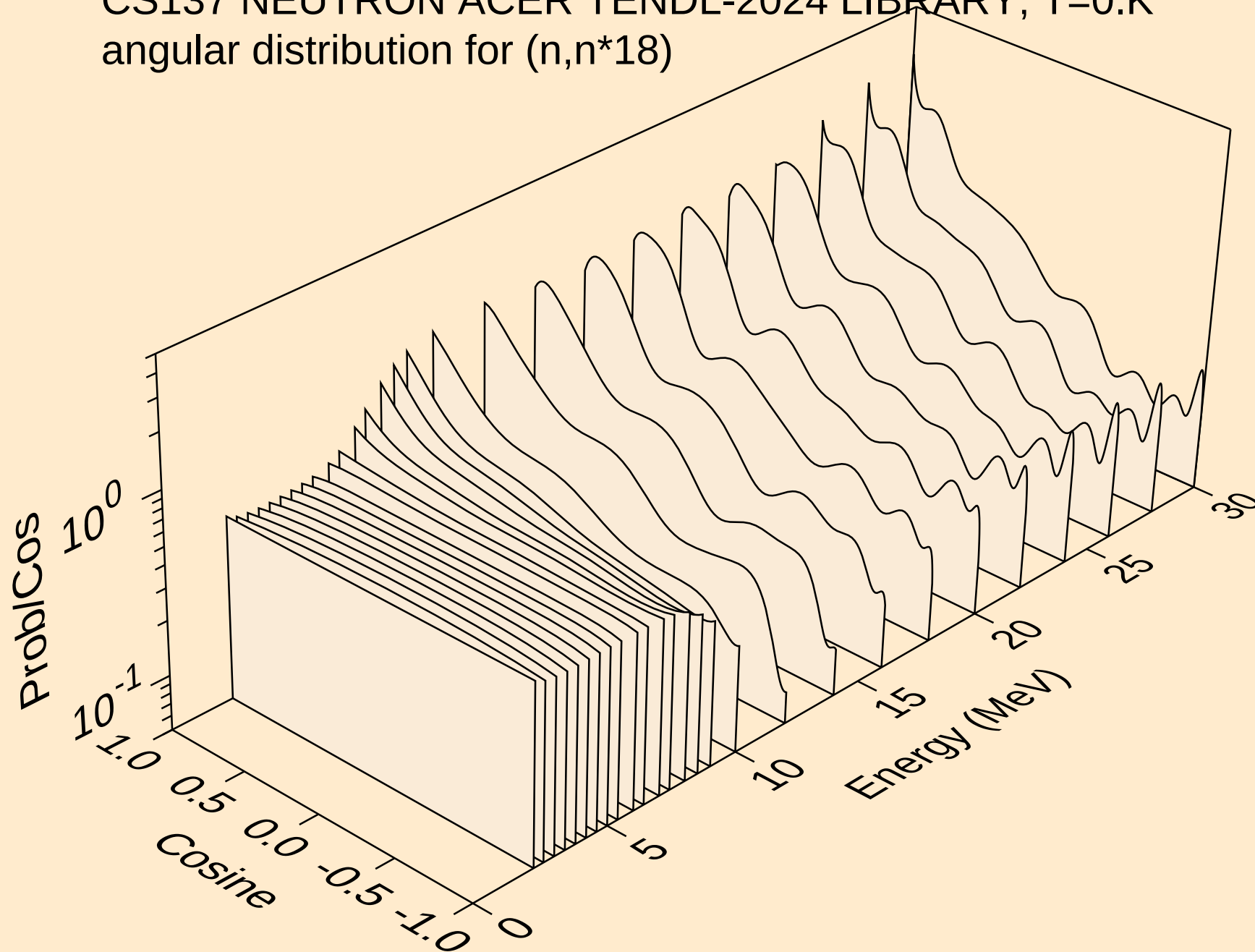
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angular distribution for (n,n\*16)



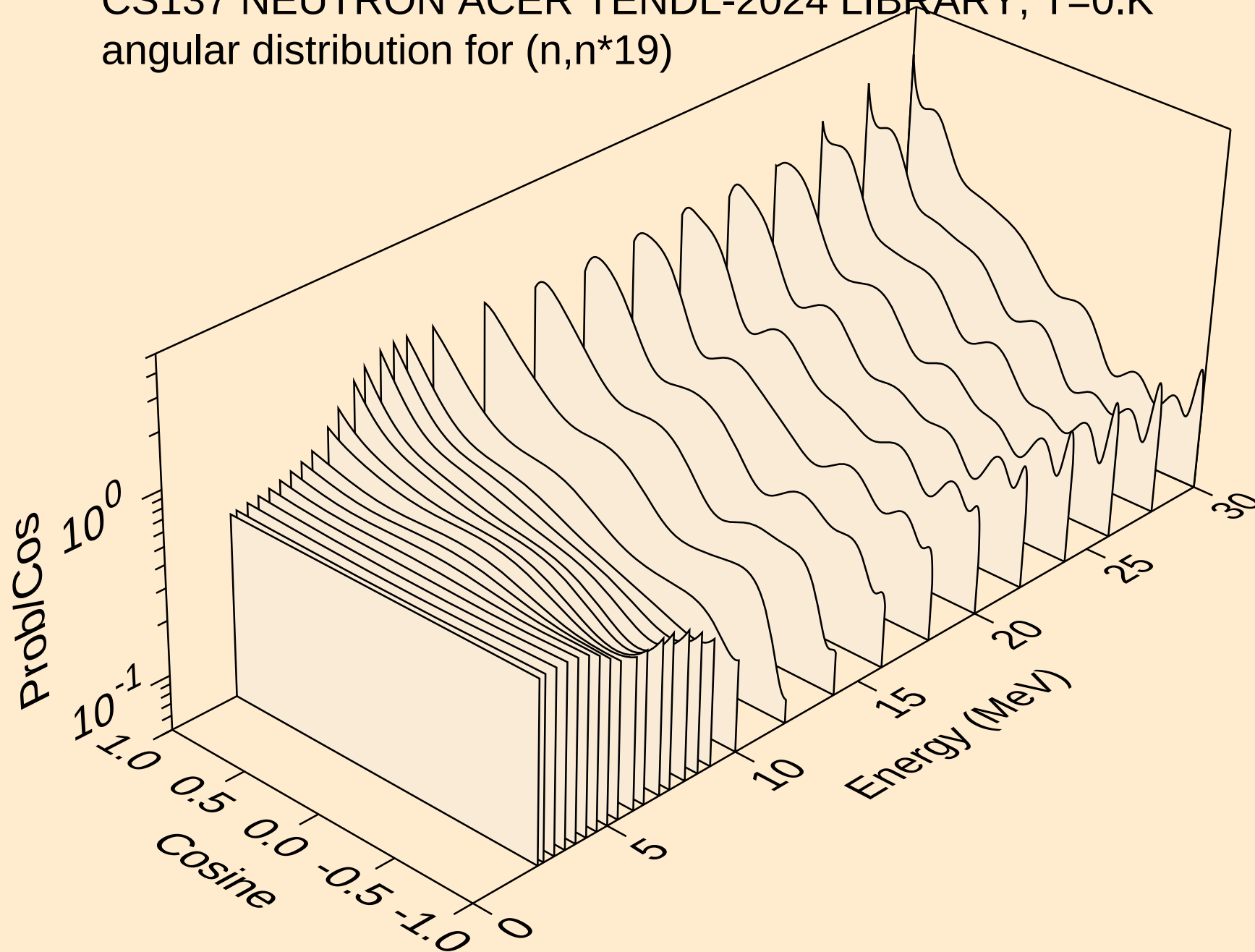
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angular distribution for (n,n\*17)



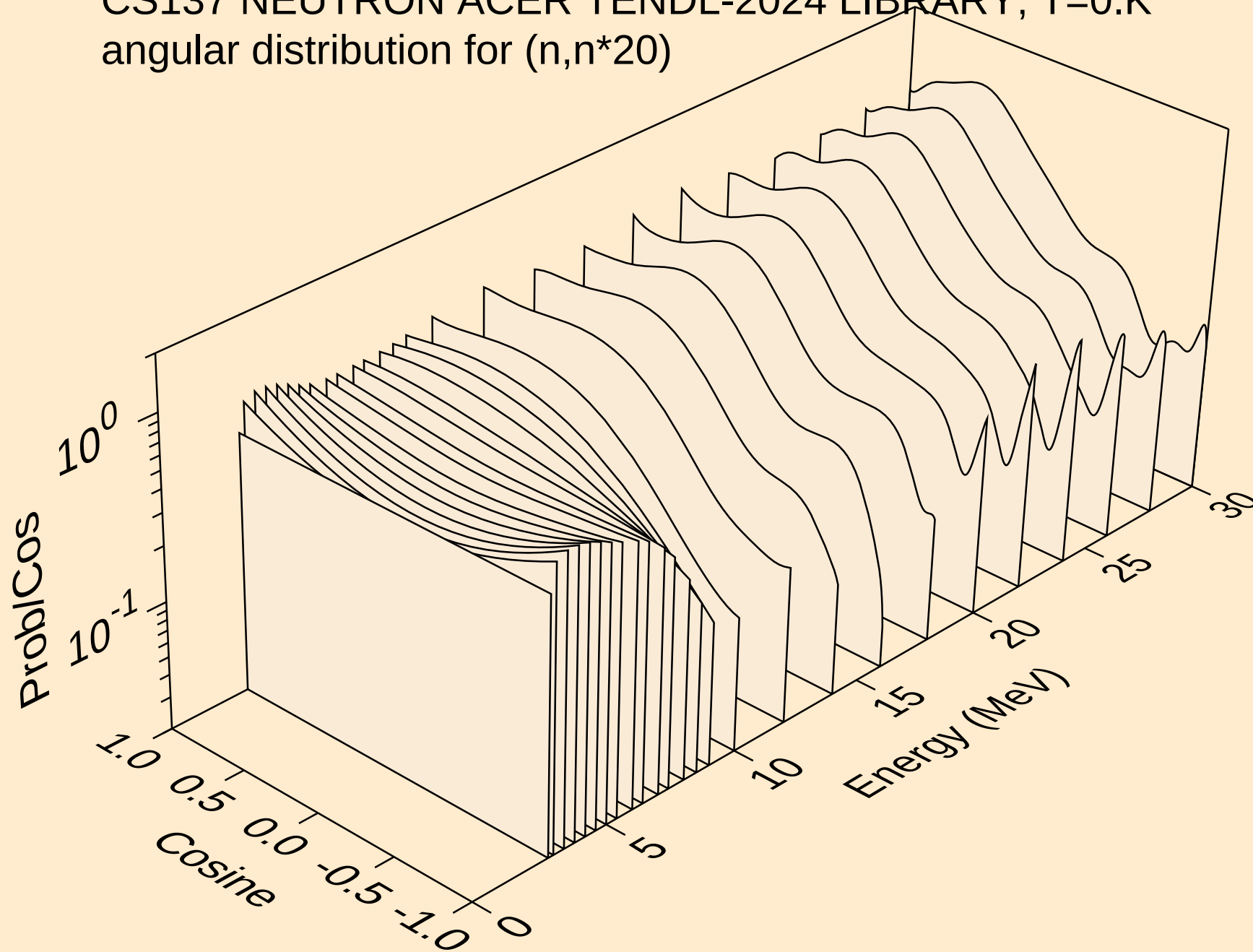
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angular distribution for (n,n\*18)



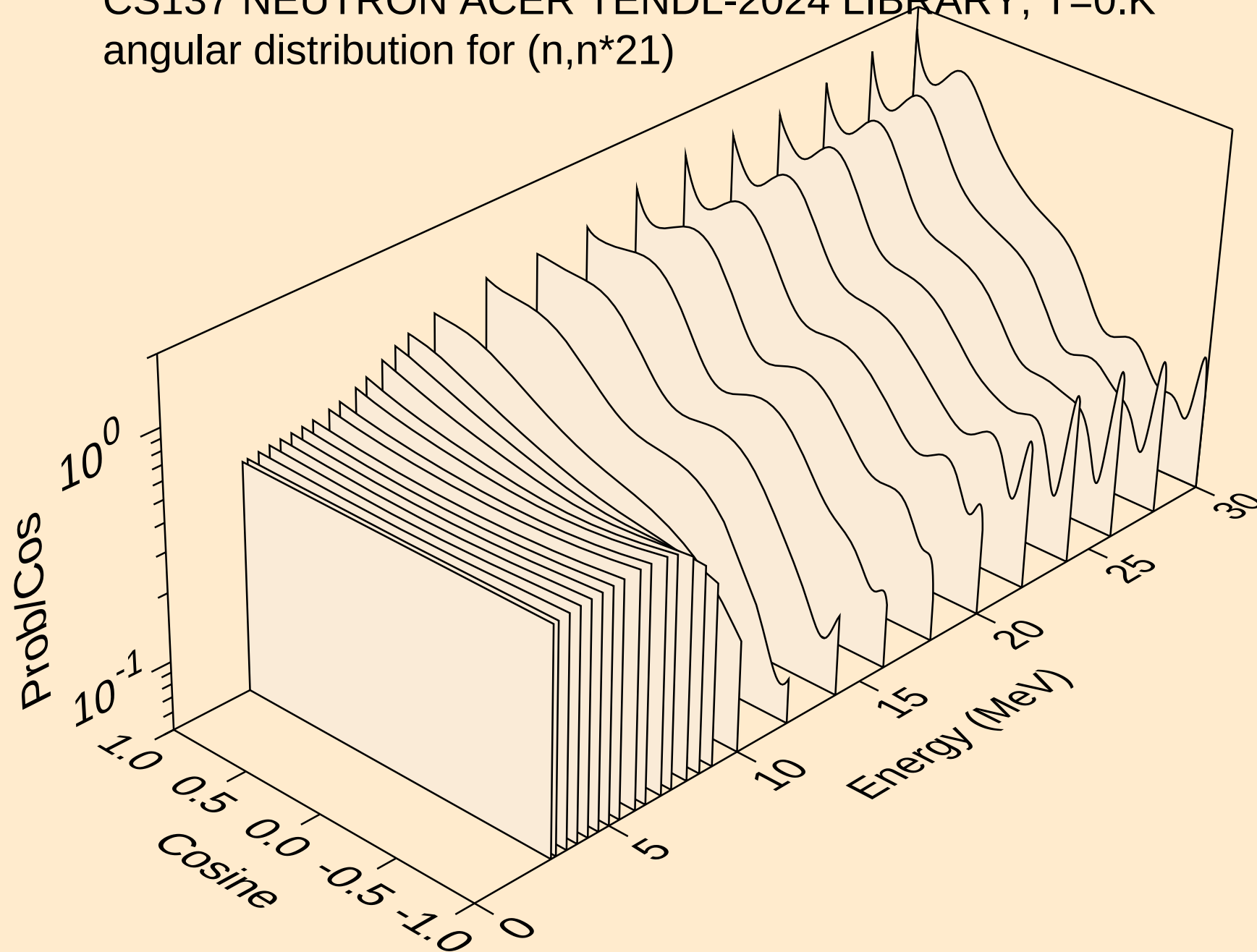
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angular distribution for (n,n\*19)



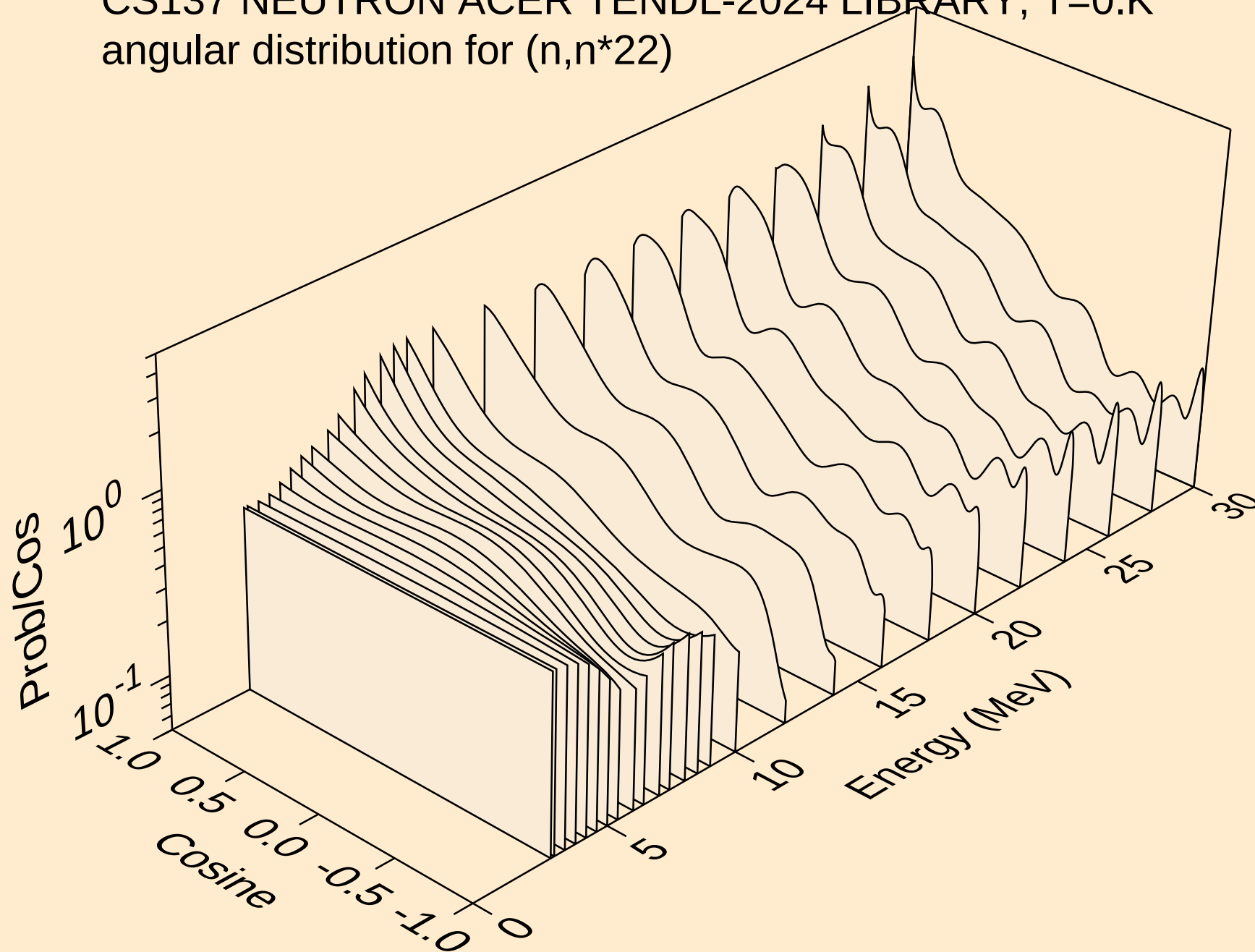
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angular distribution for (n,n\*20)



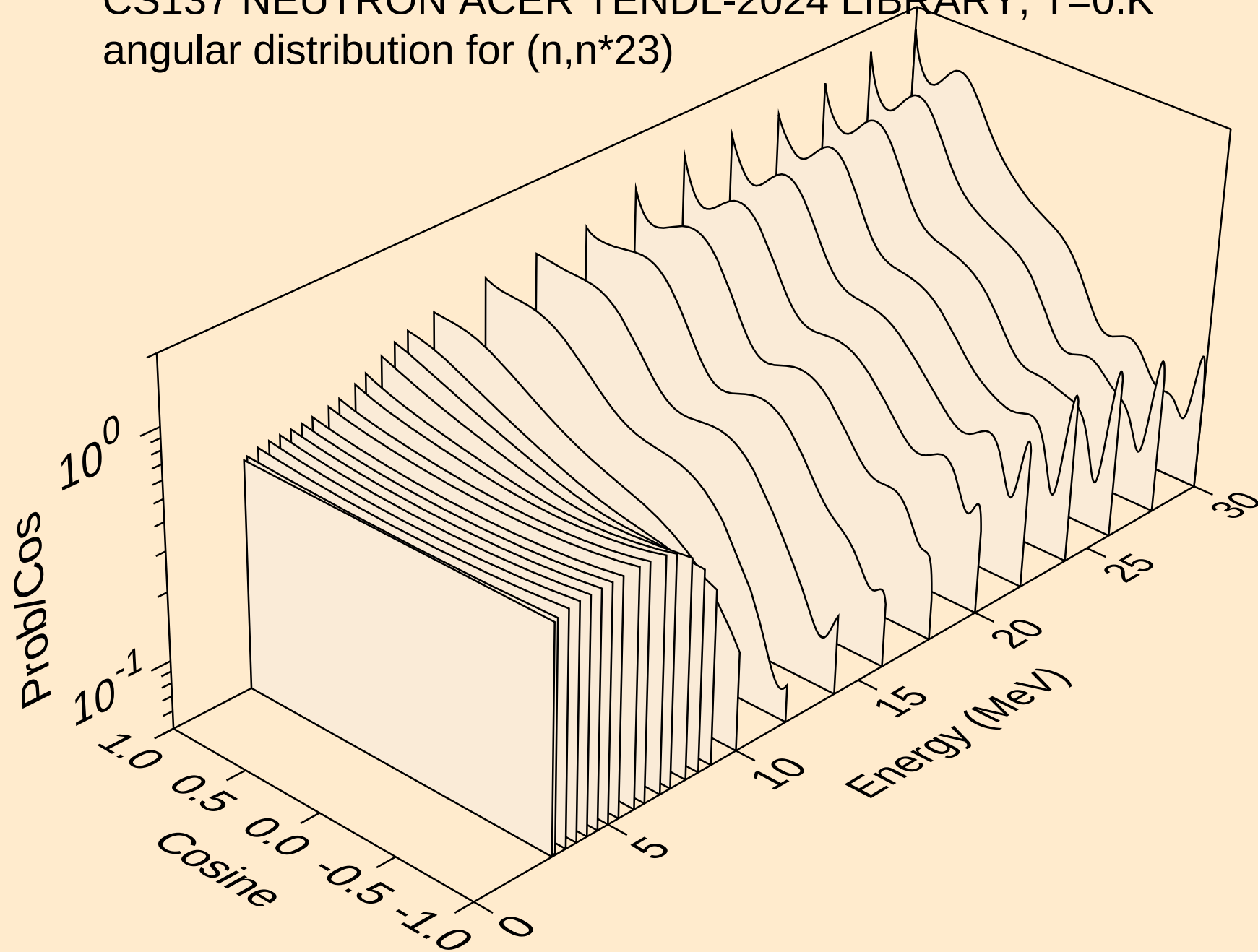
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angular distribution for (n,n\*21)



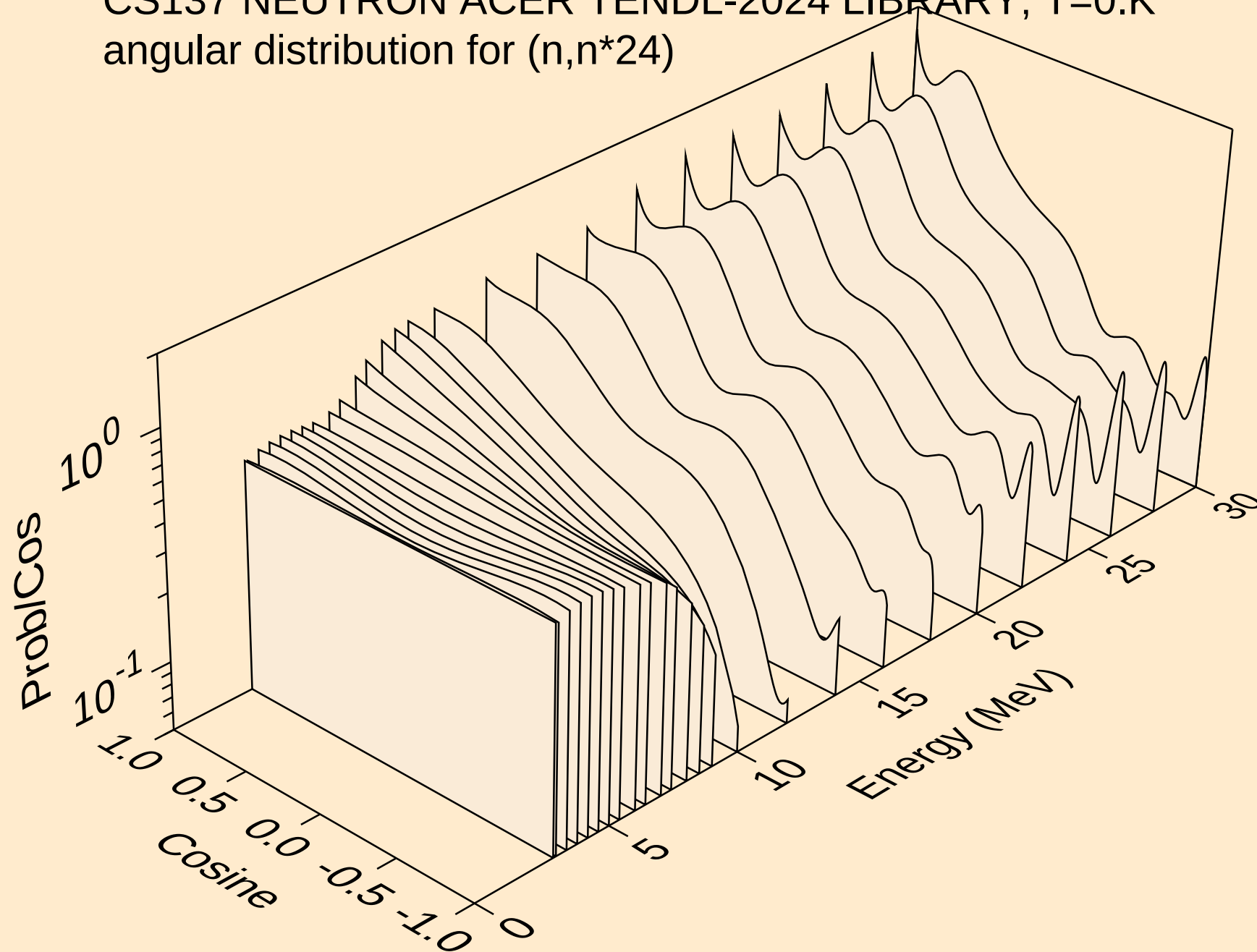
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angular distribution for (n,n\*22)



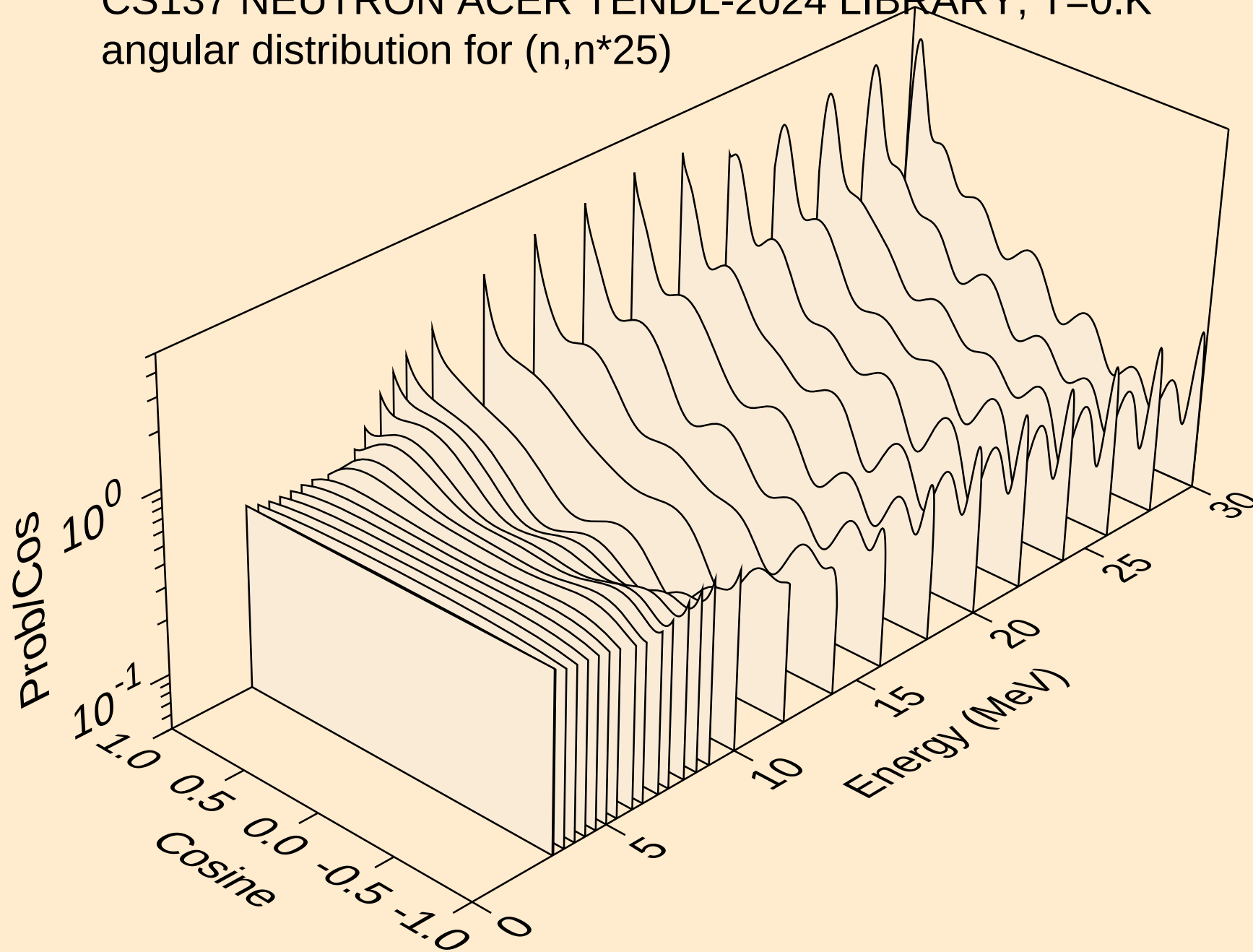
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angular distribution for (n,n\*23)



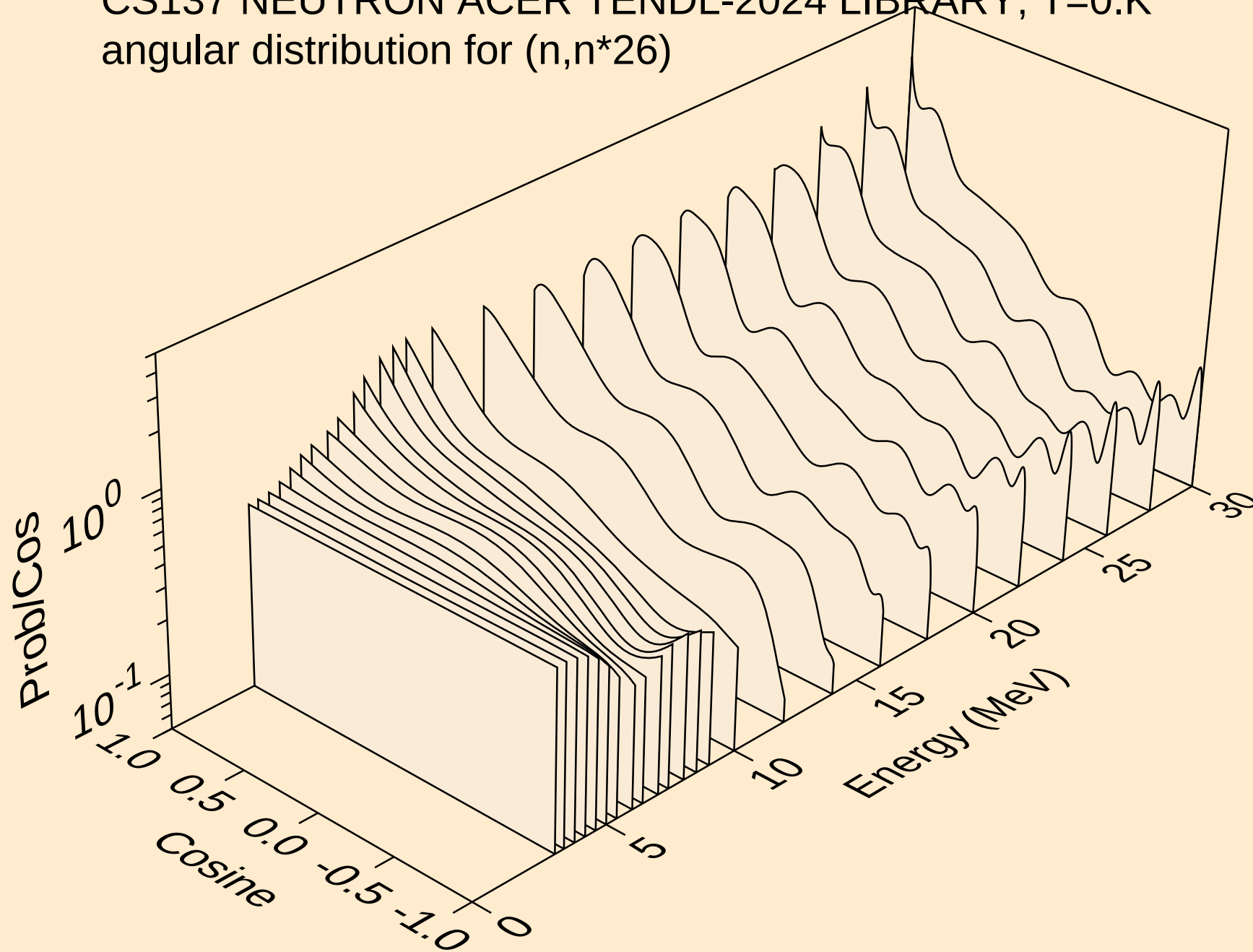
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angular distribution for (n,n\*24)



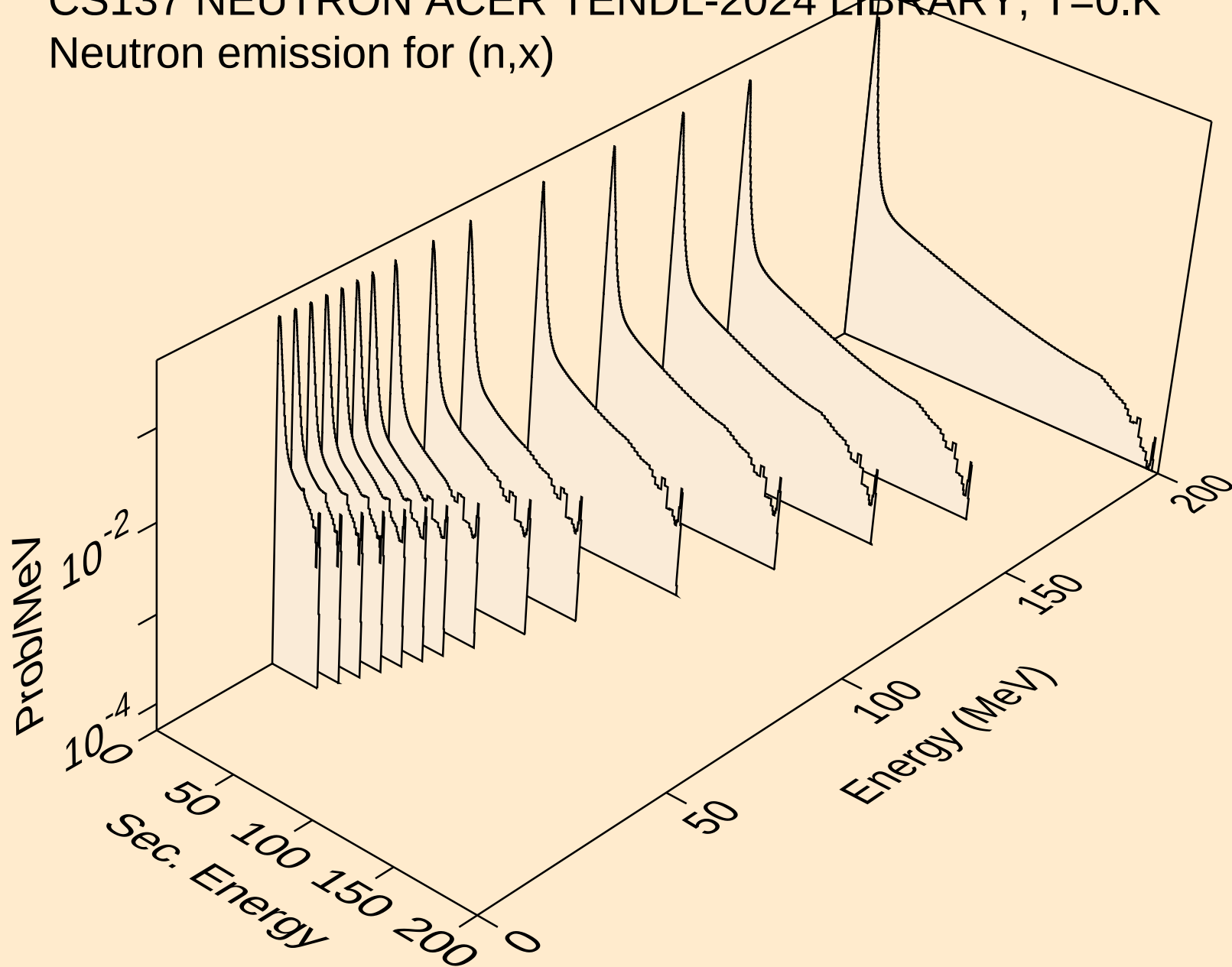
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angular distribution for (n,n\*25)



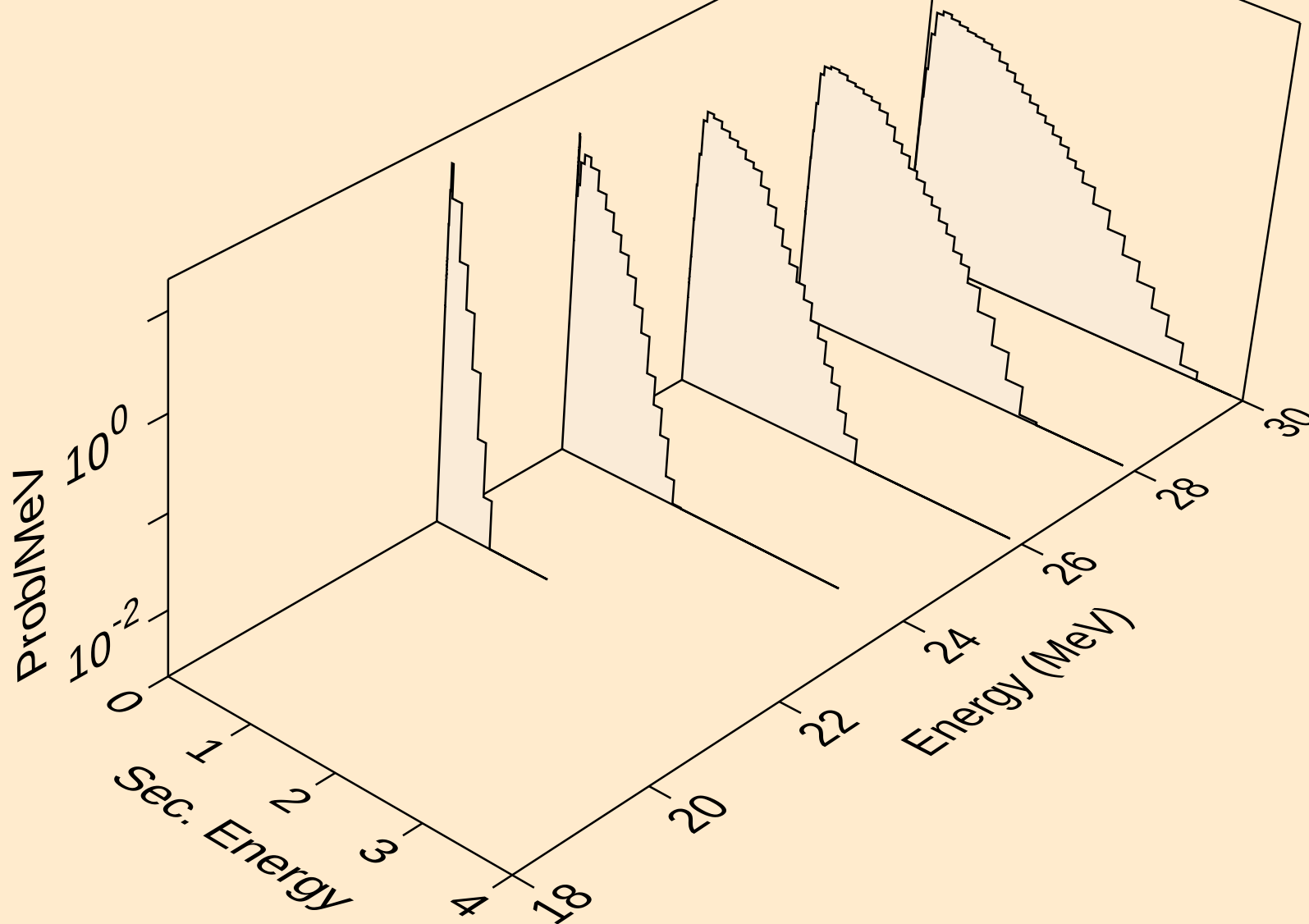
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



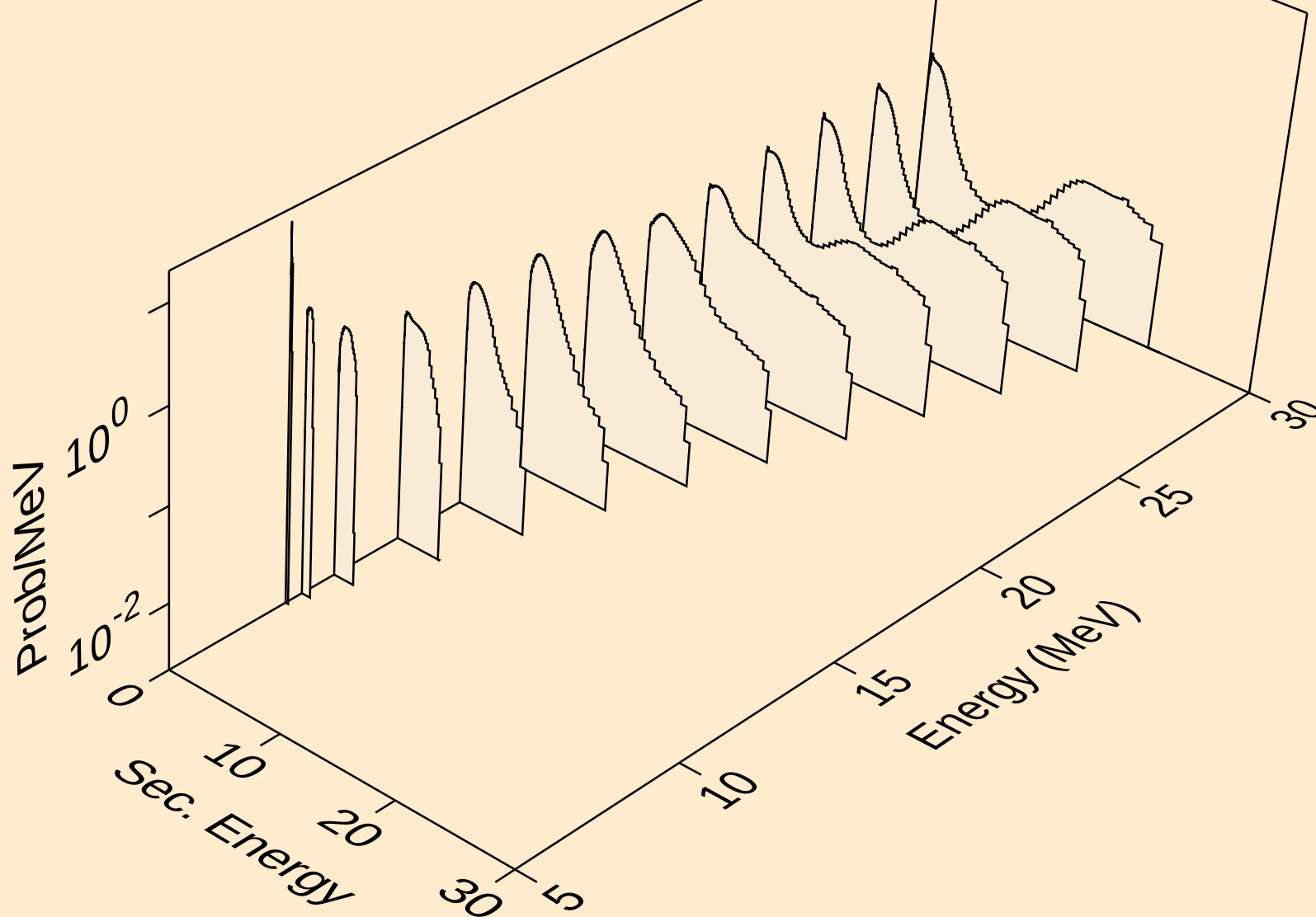
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



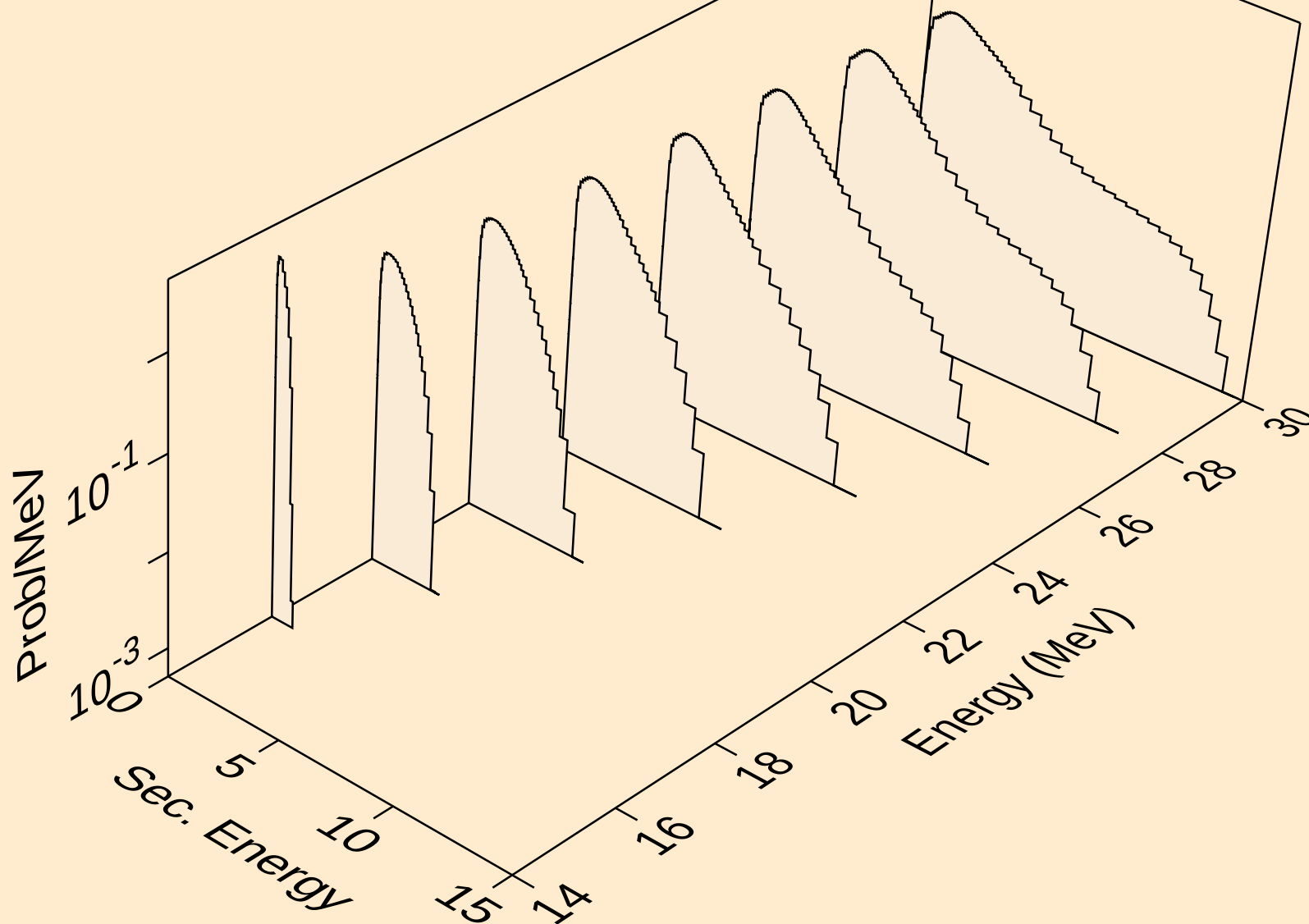
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



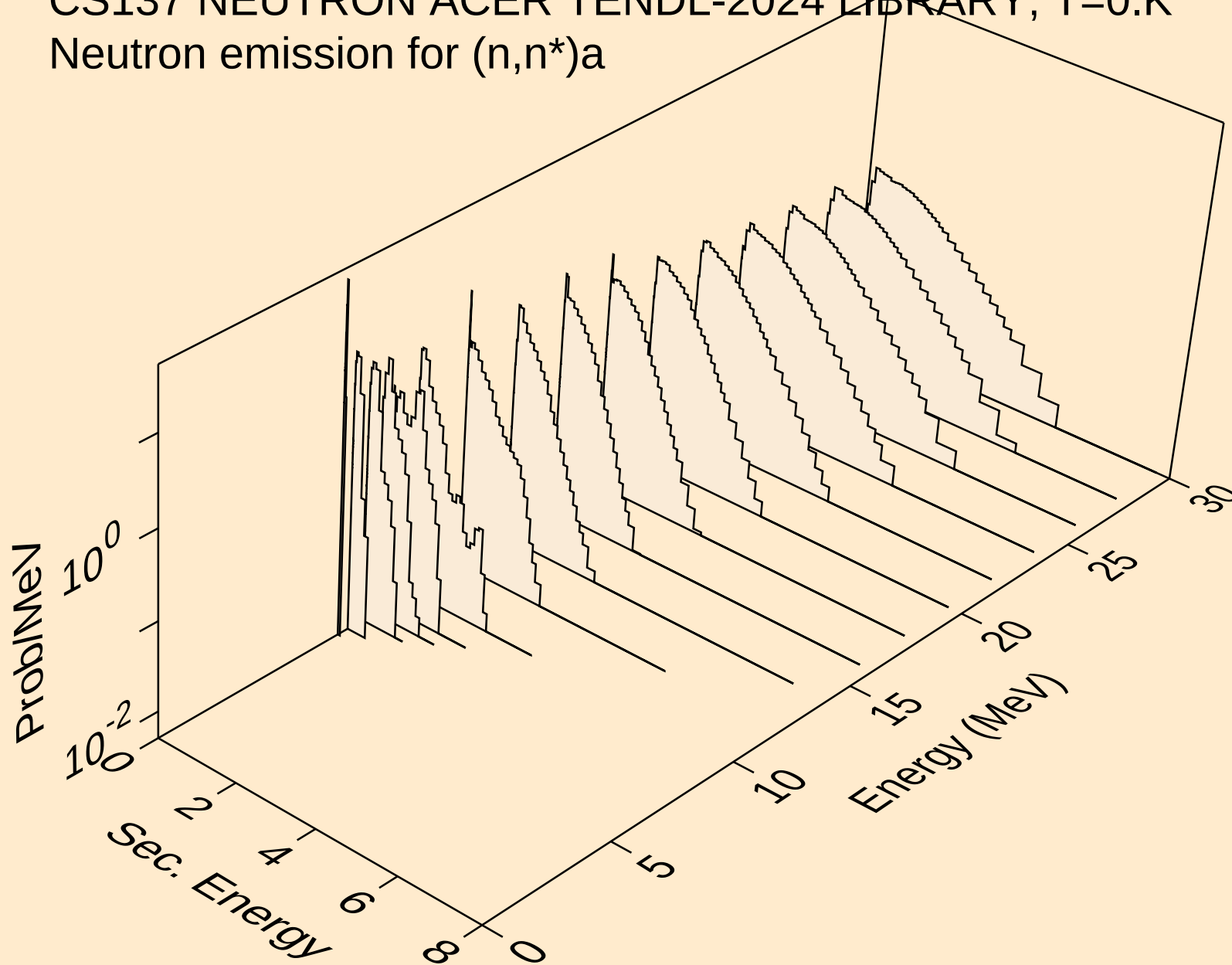
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



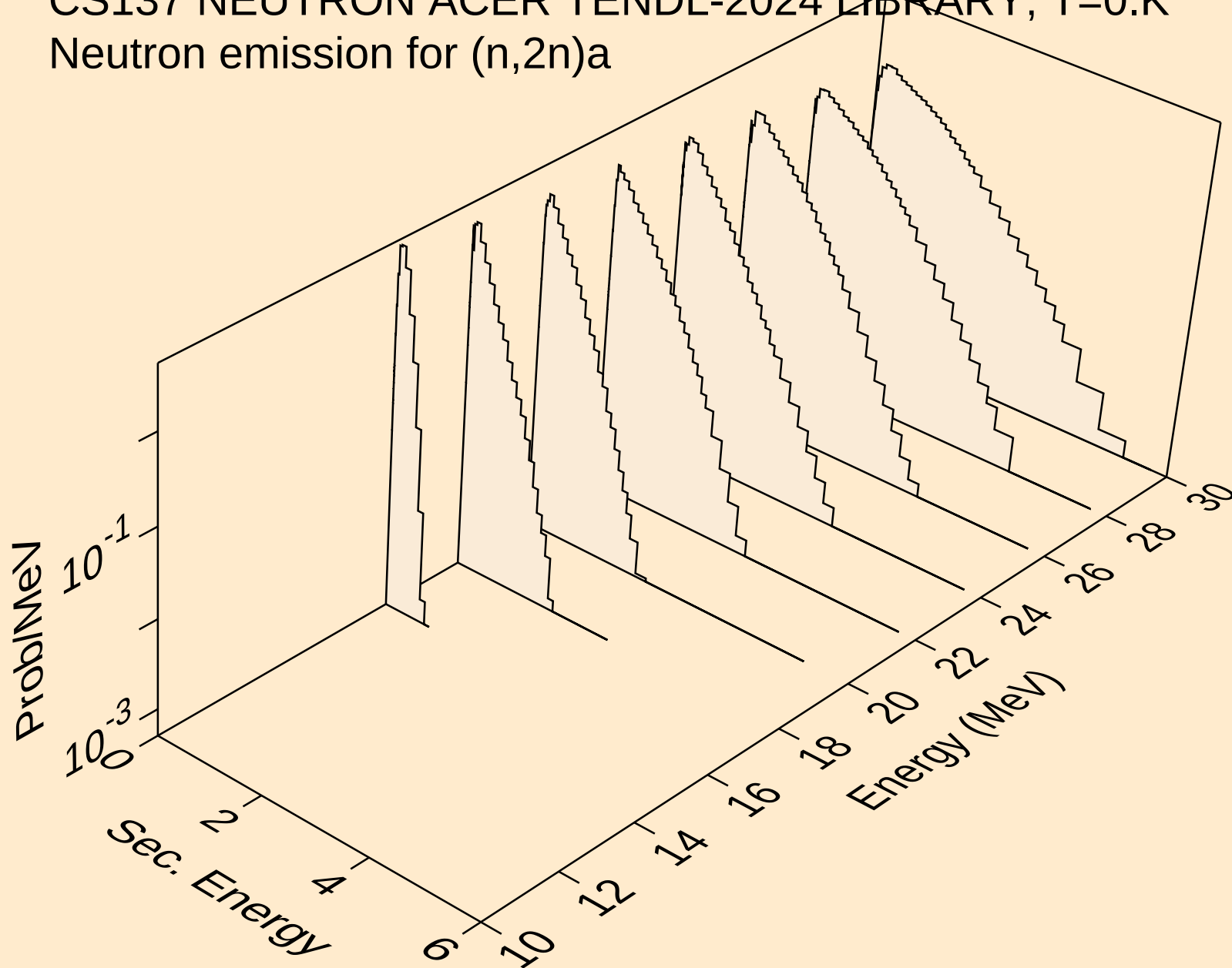
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



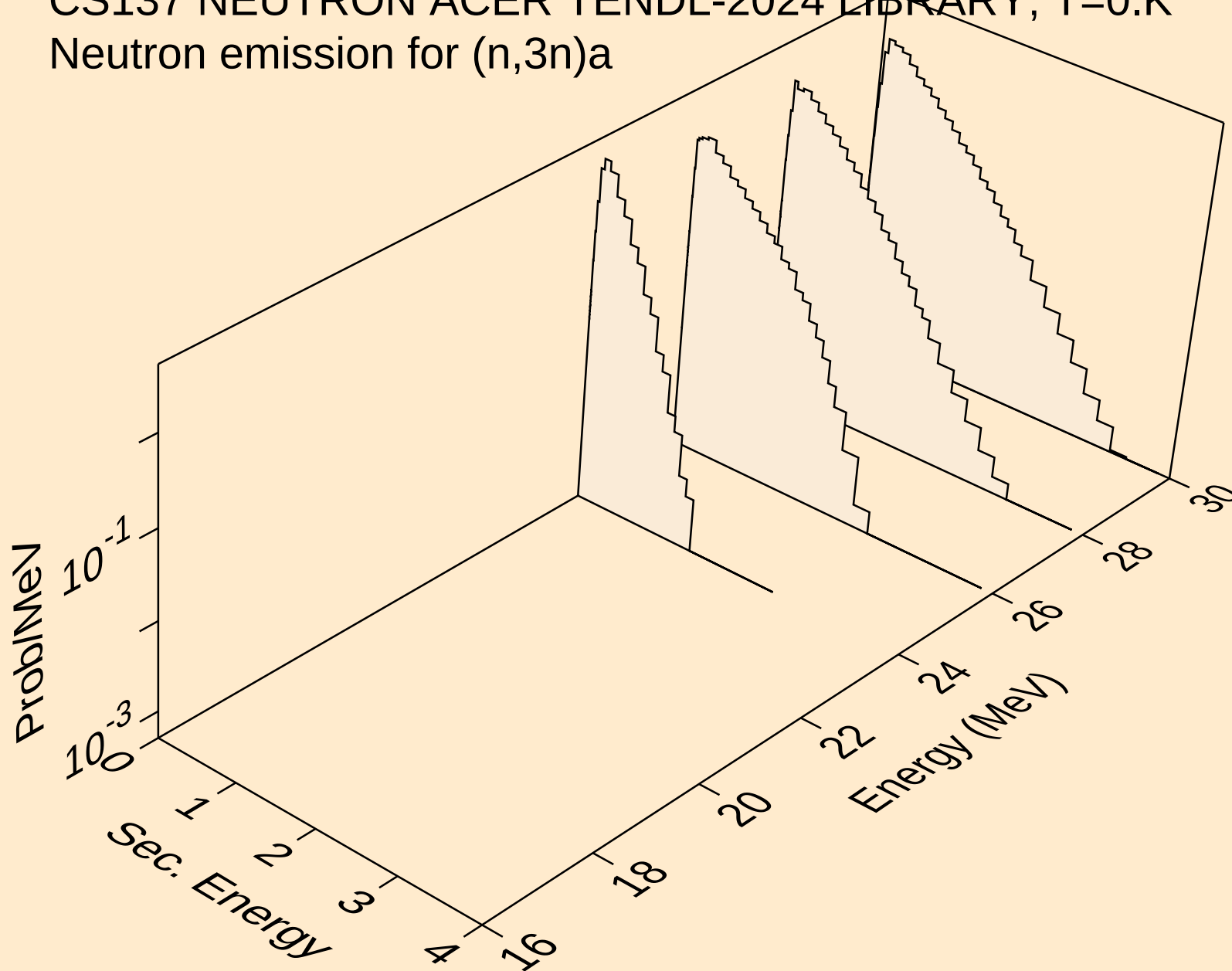
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



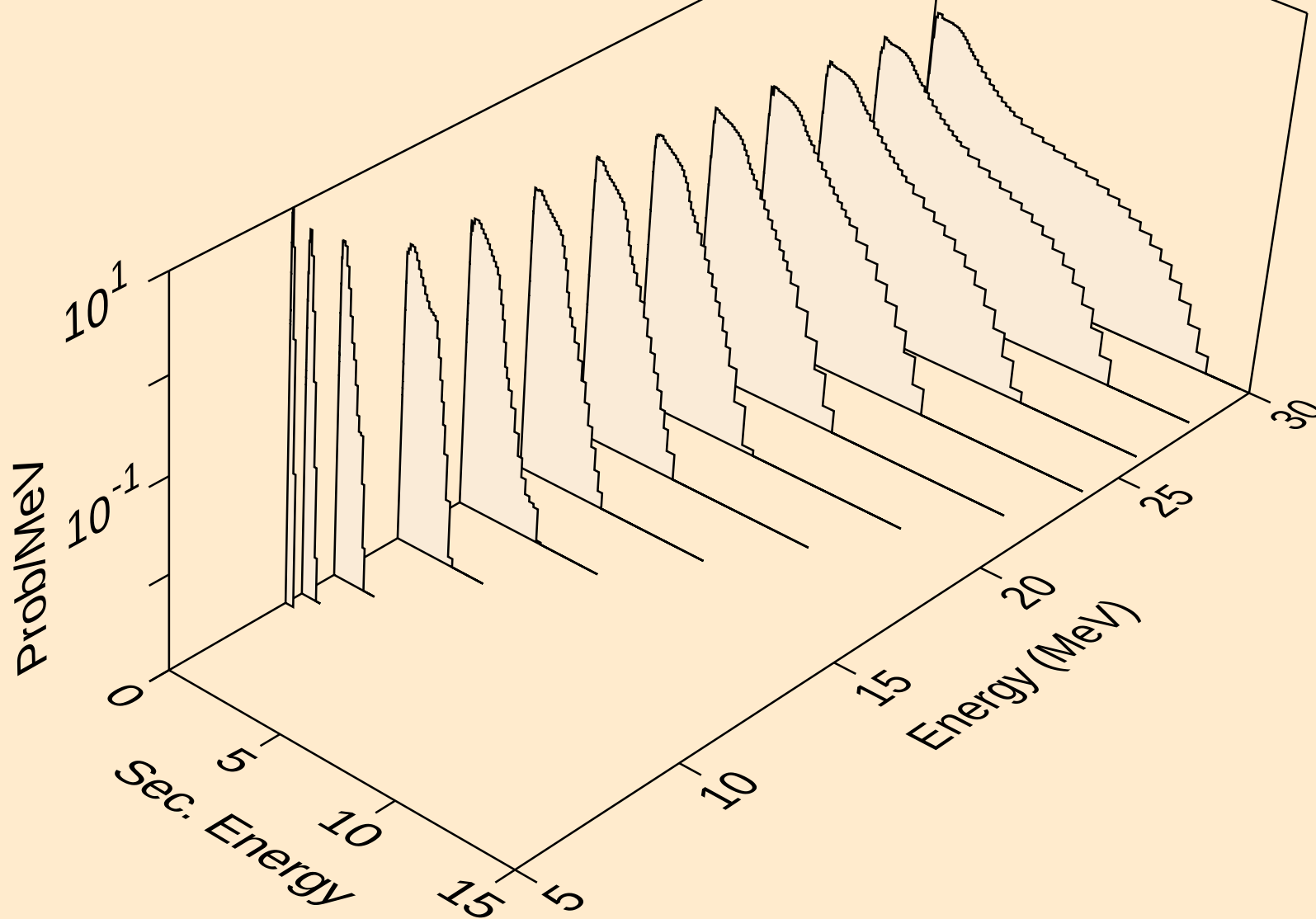
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



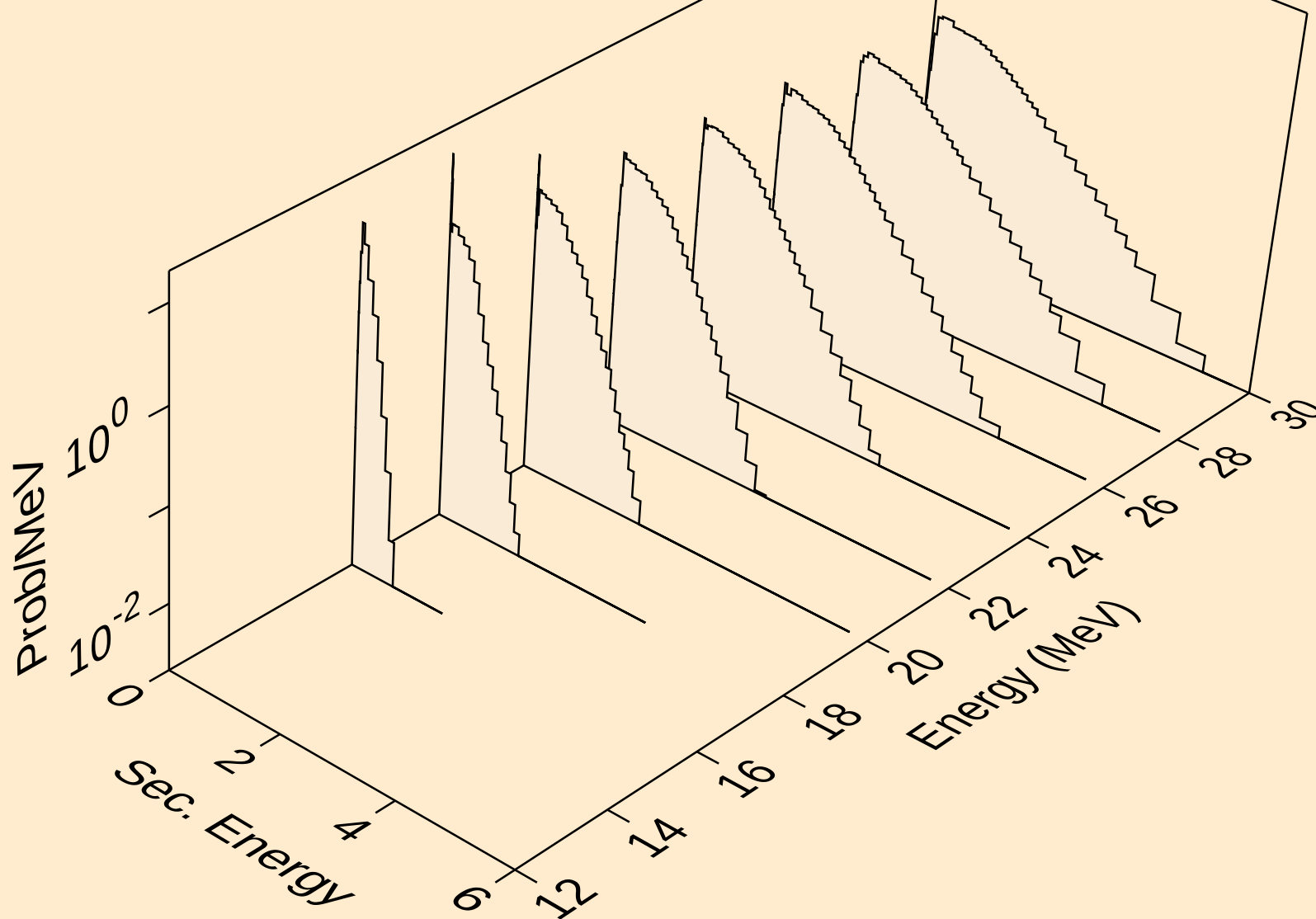
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



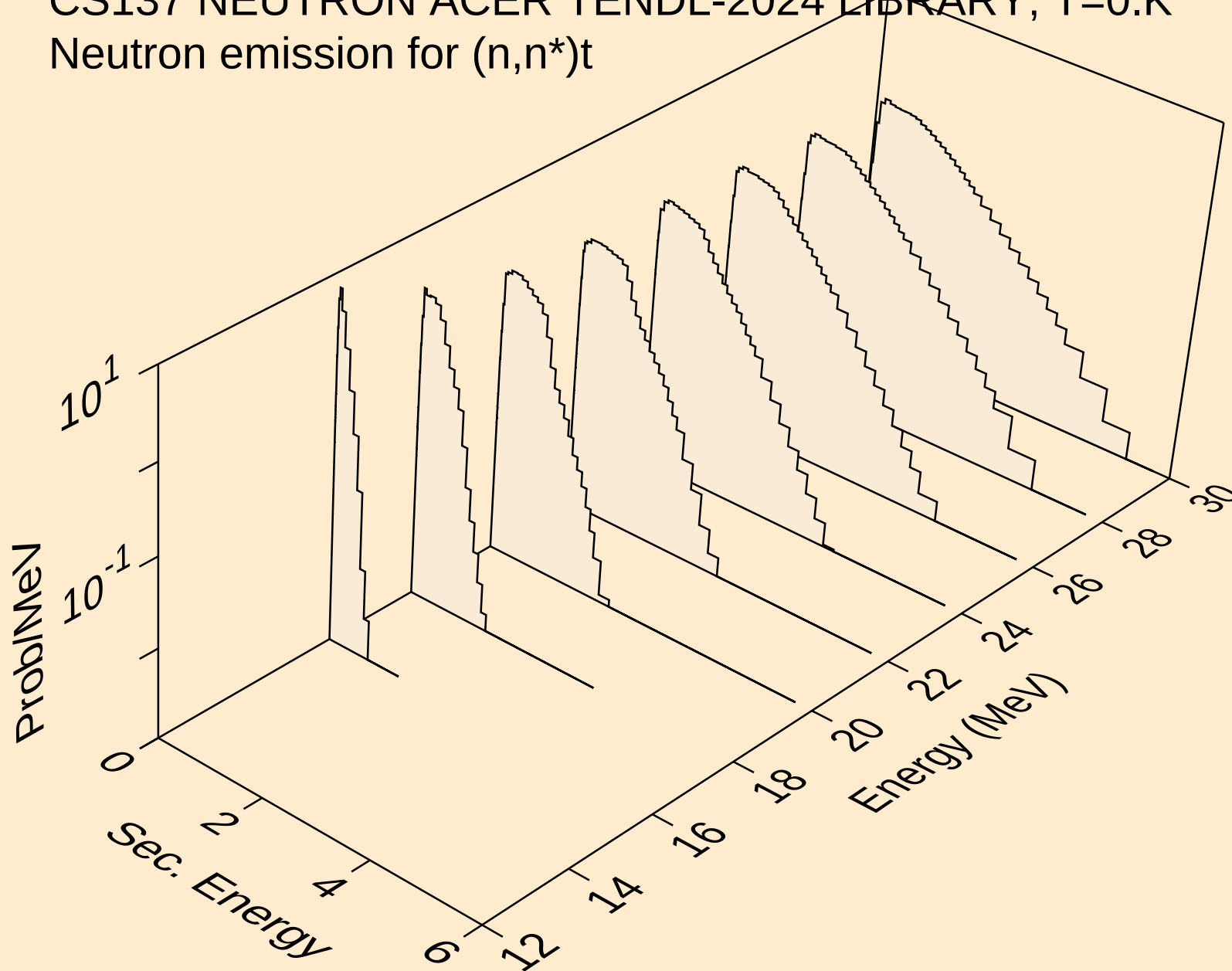
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



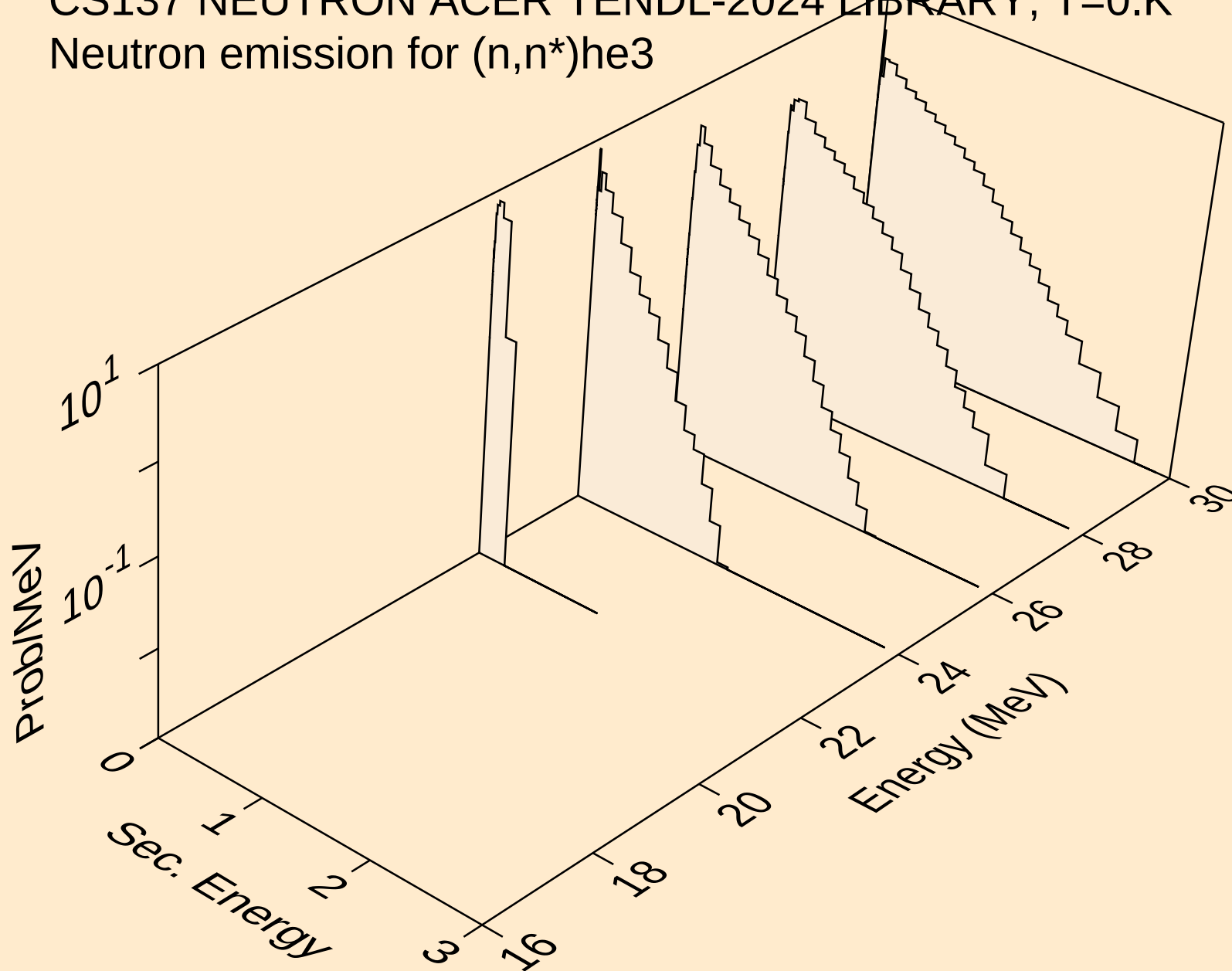
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



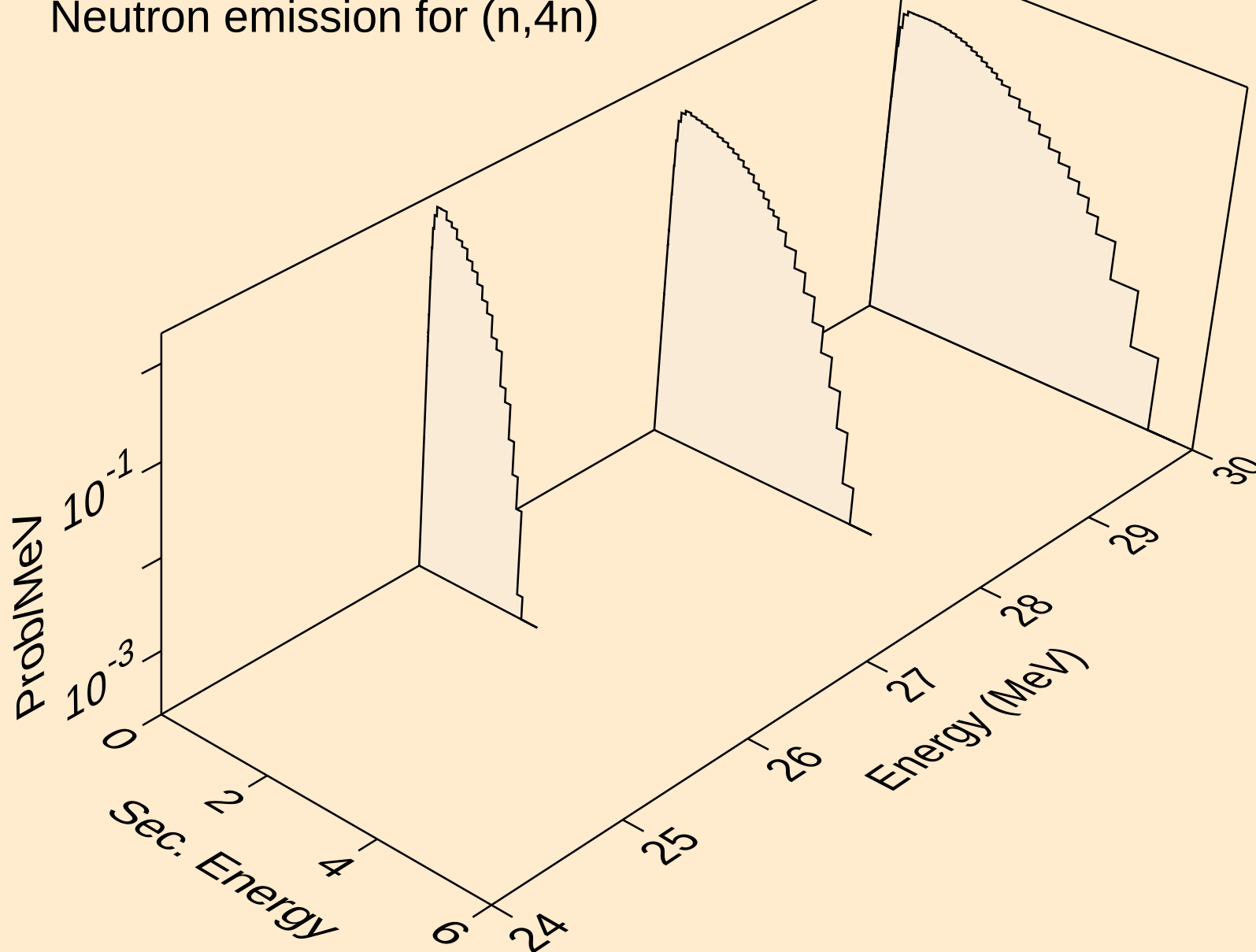
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



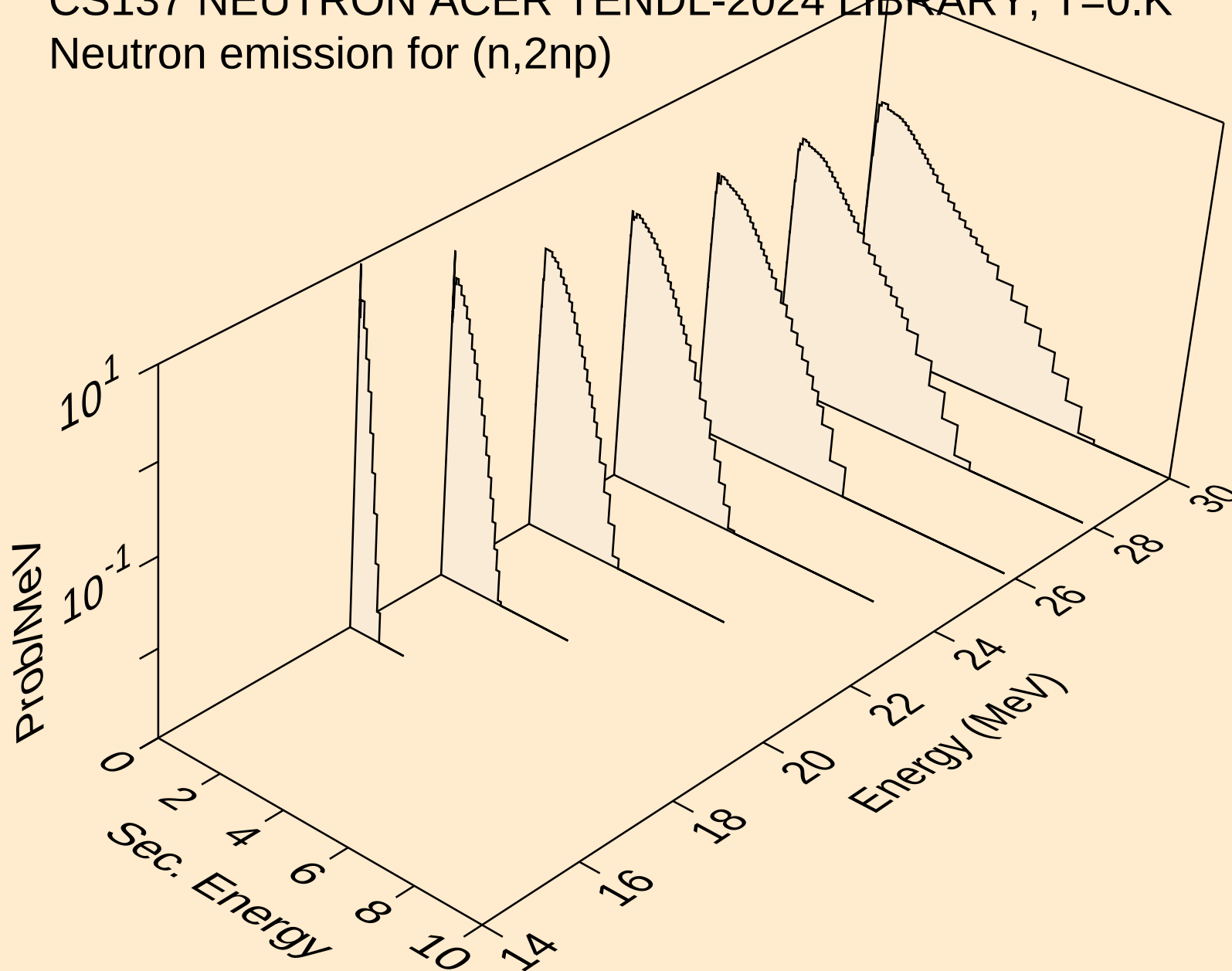
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



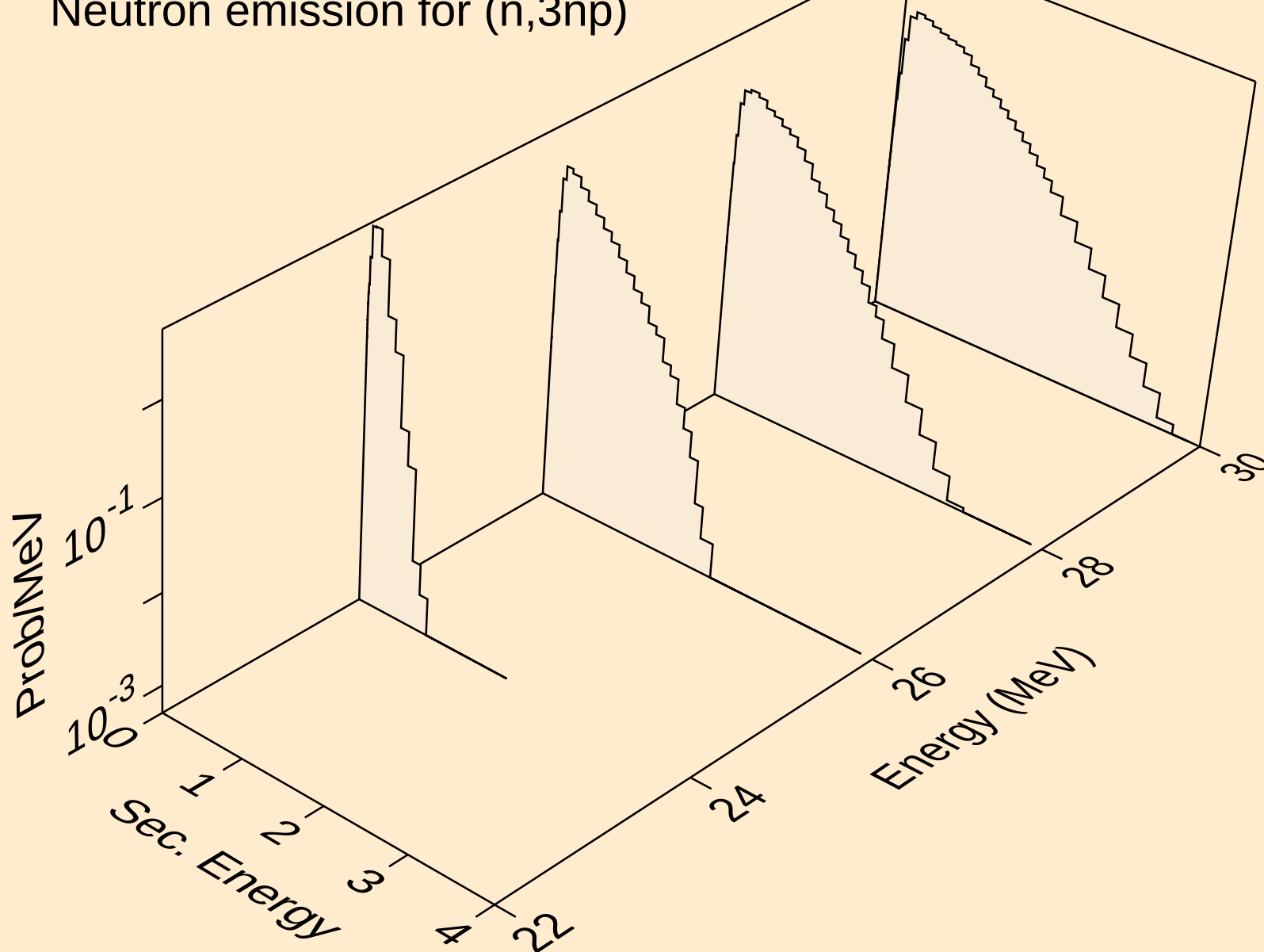
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



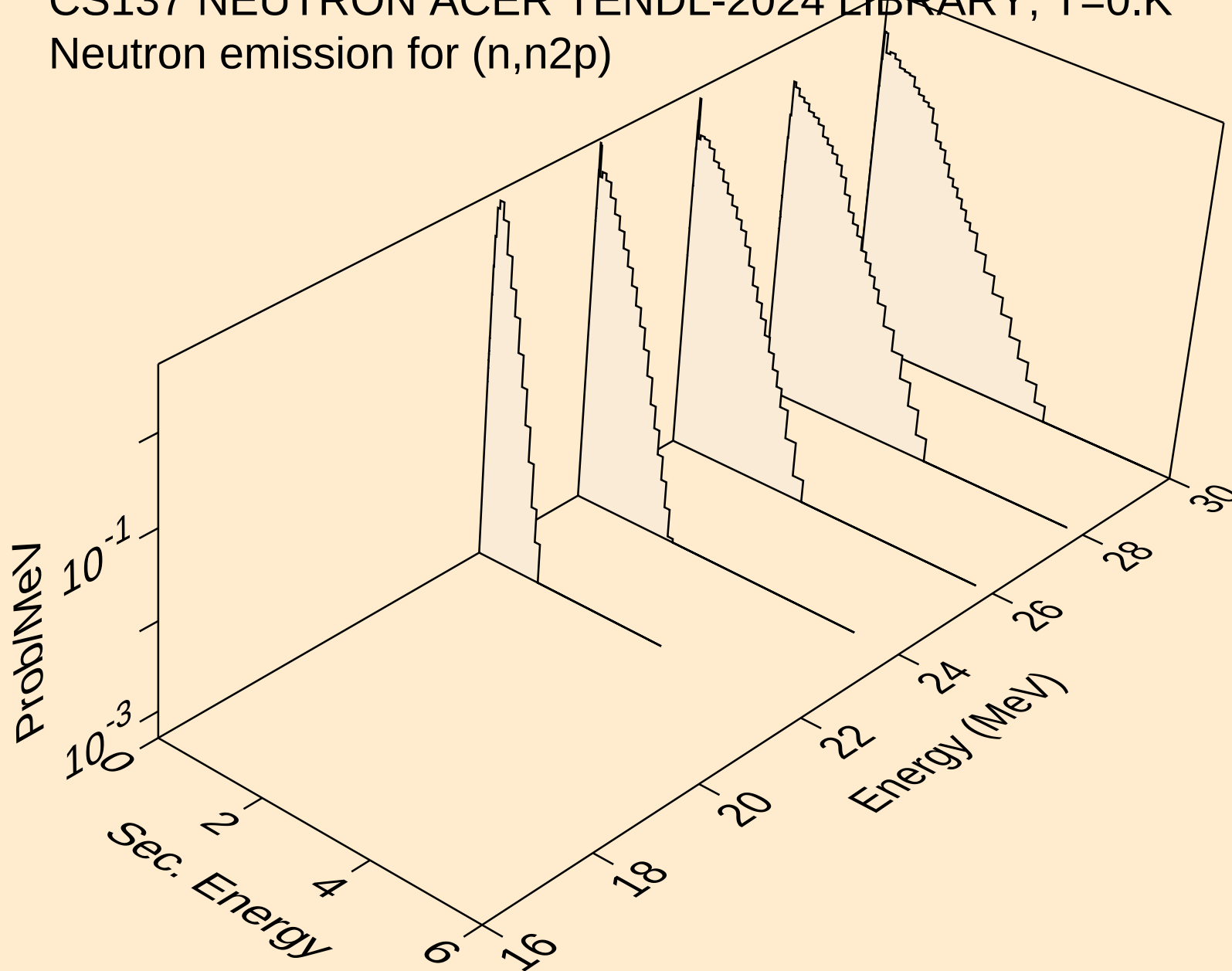
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



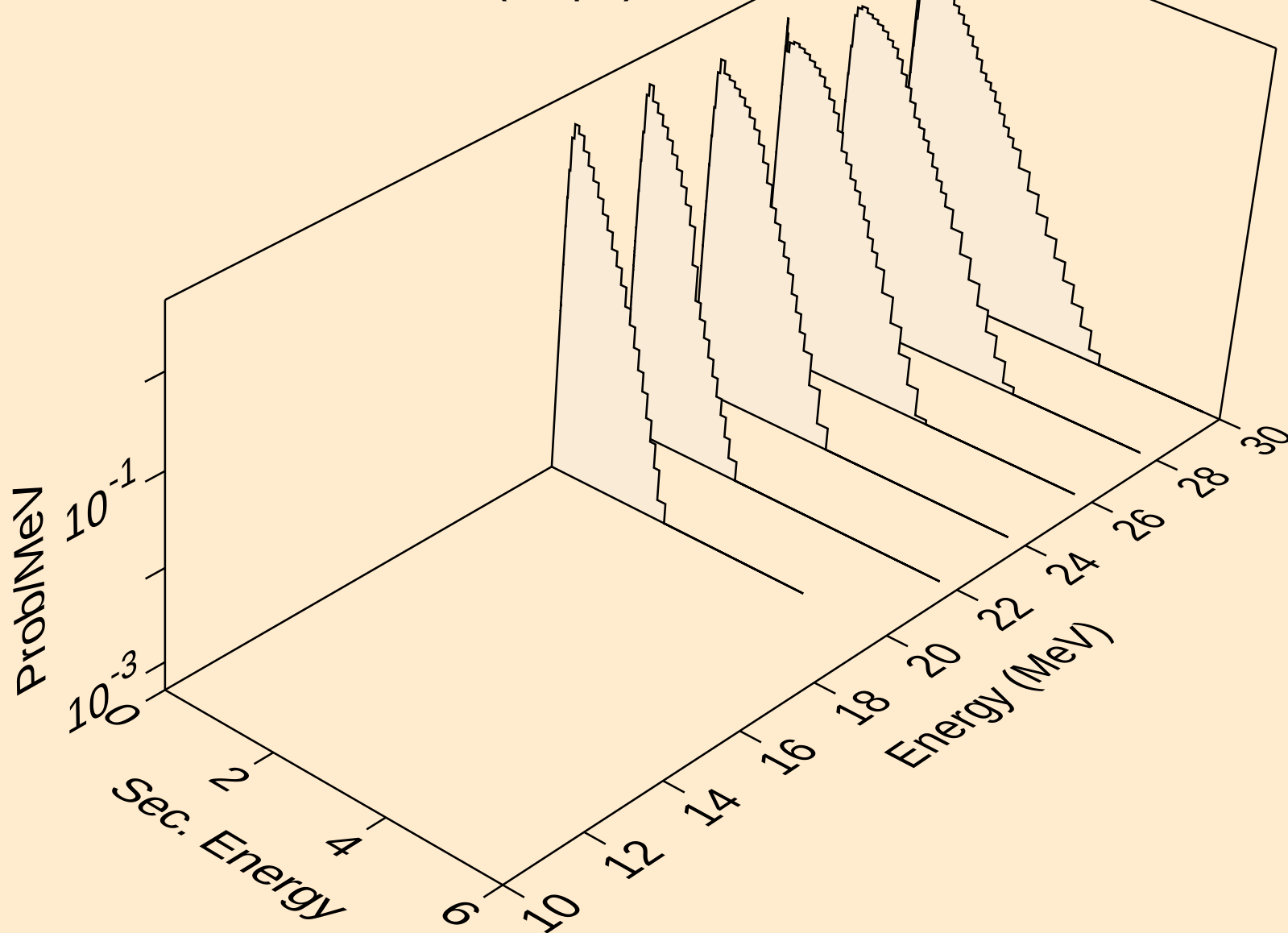
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



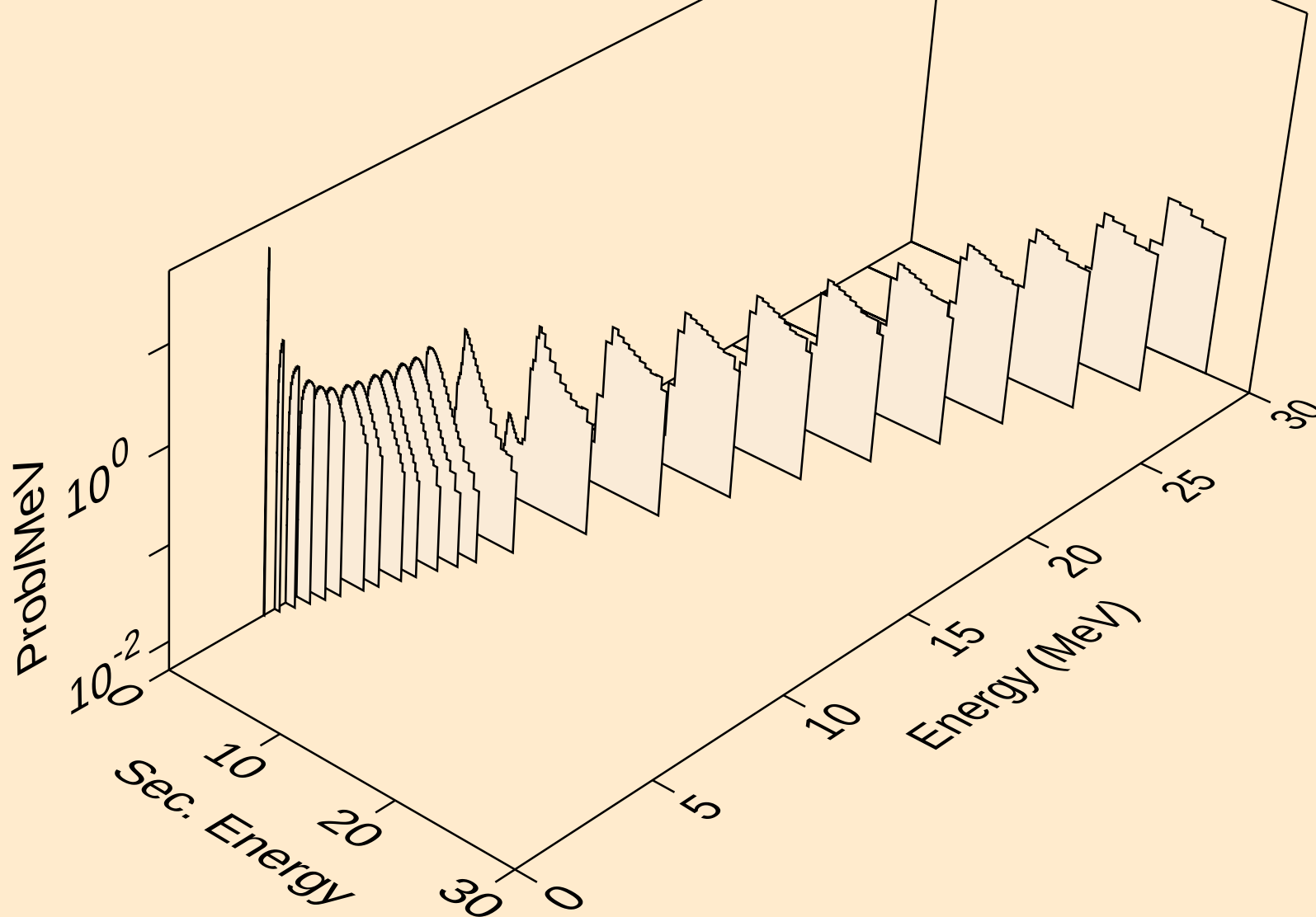
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



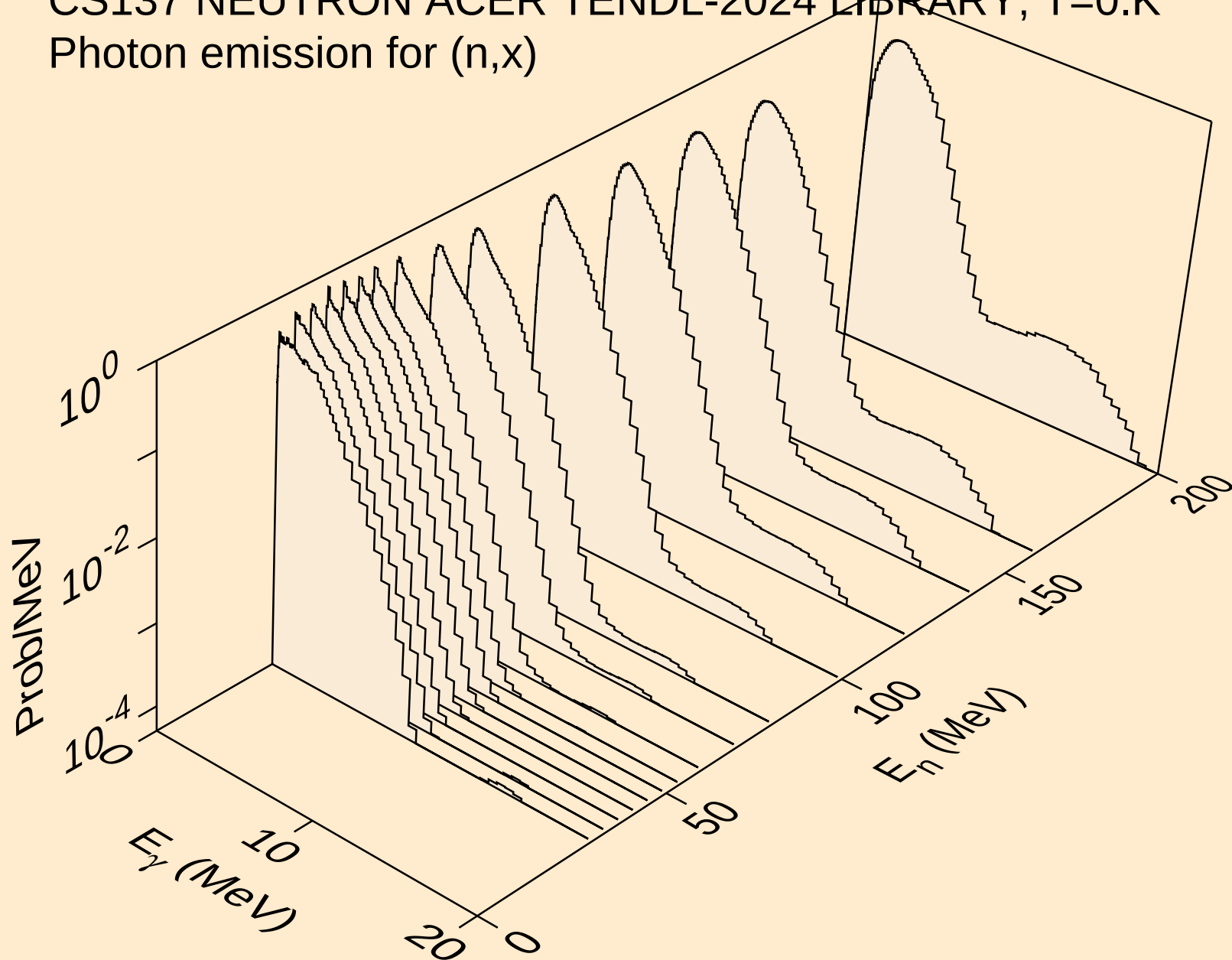
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



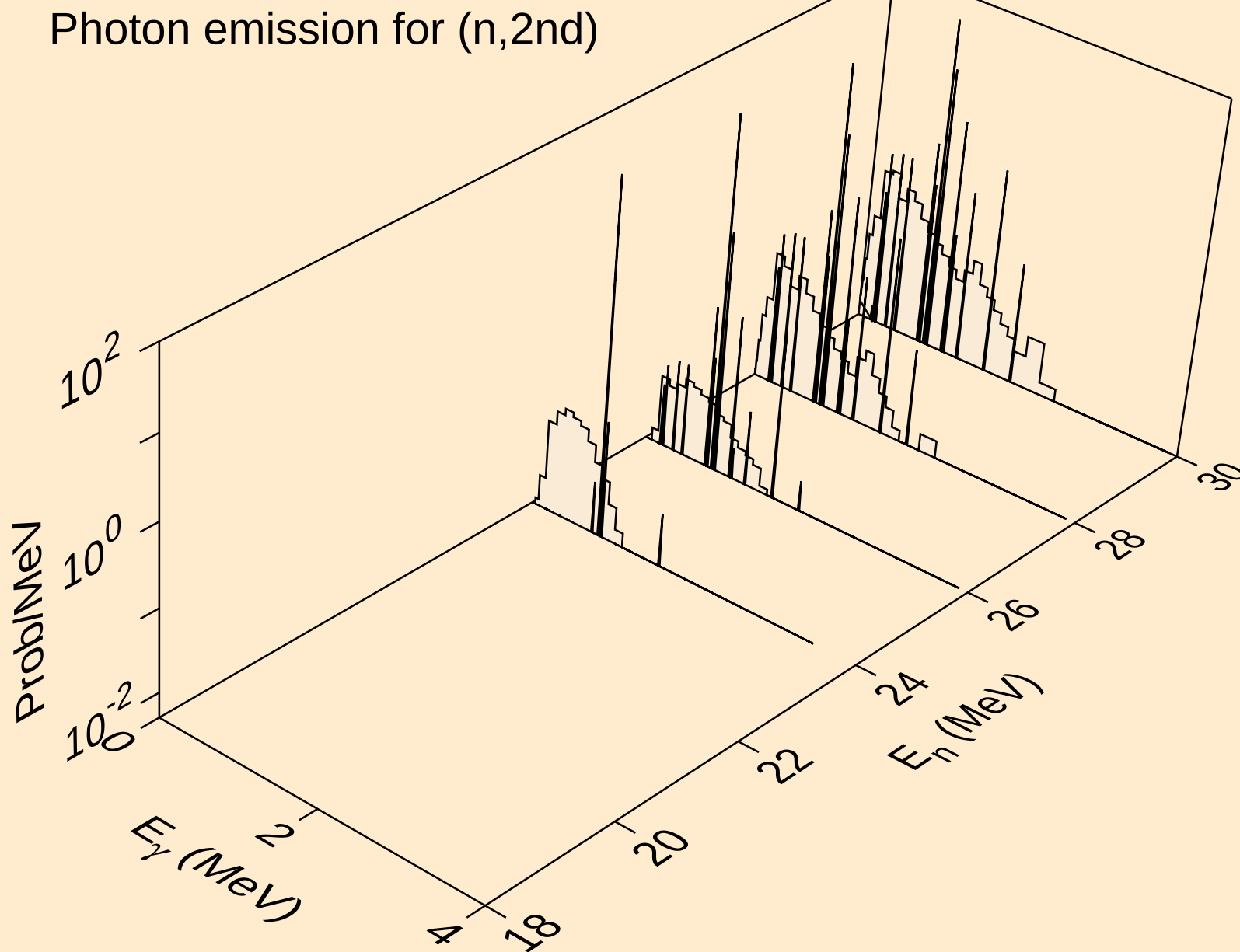
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



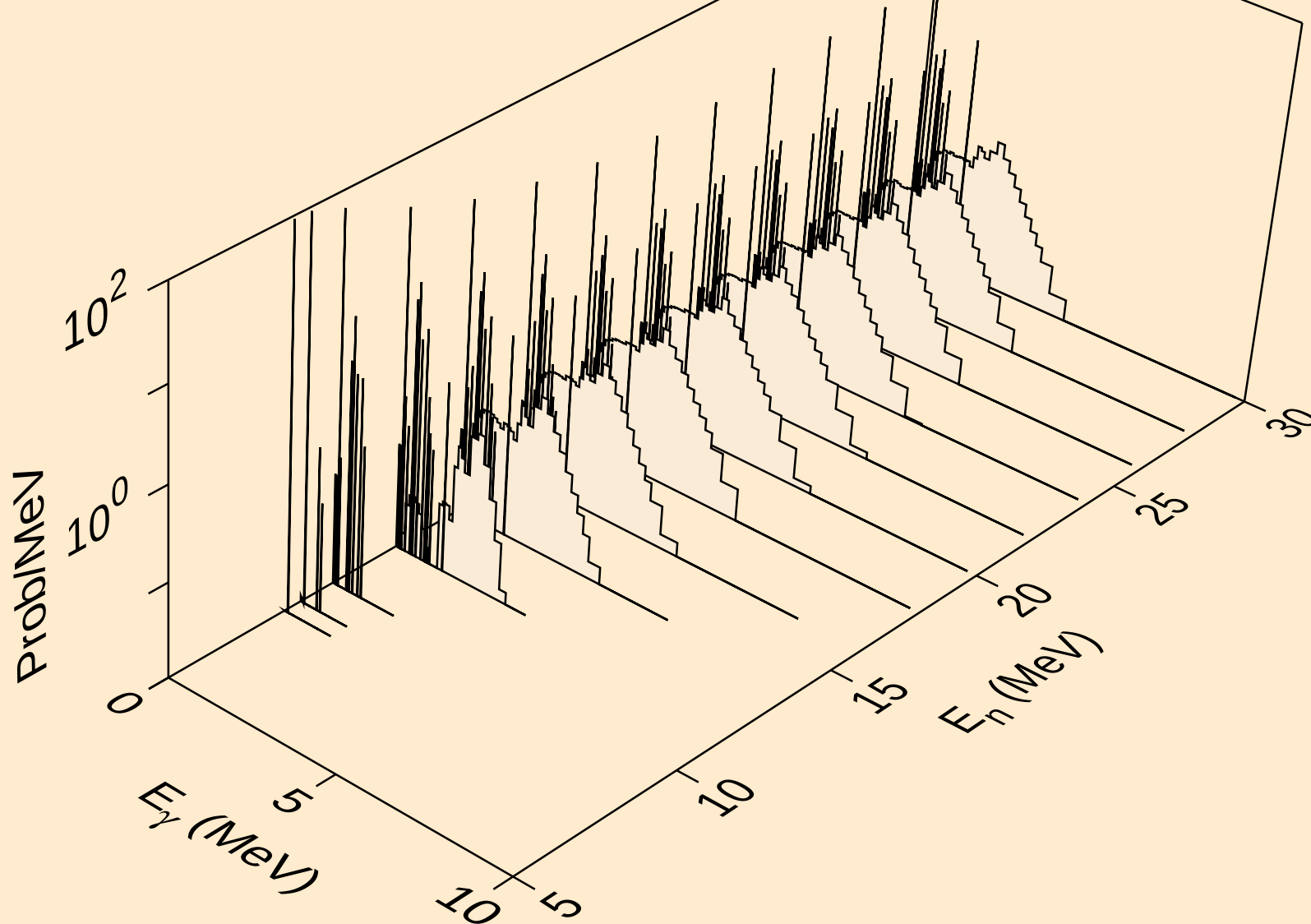
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



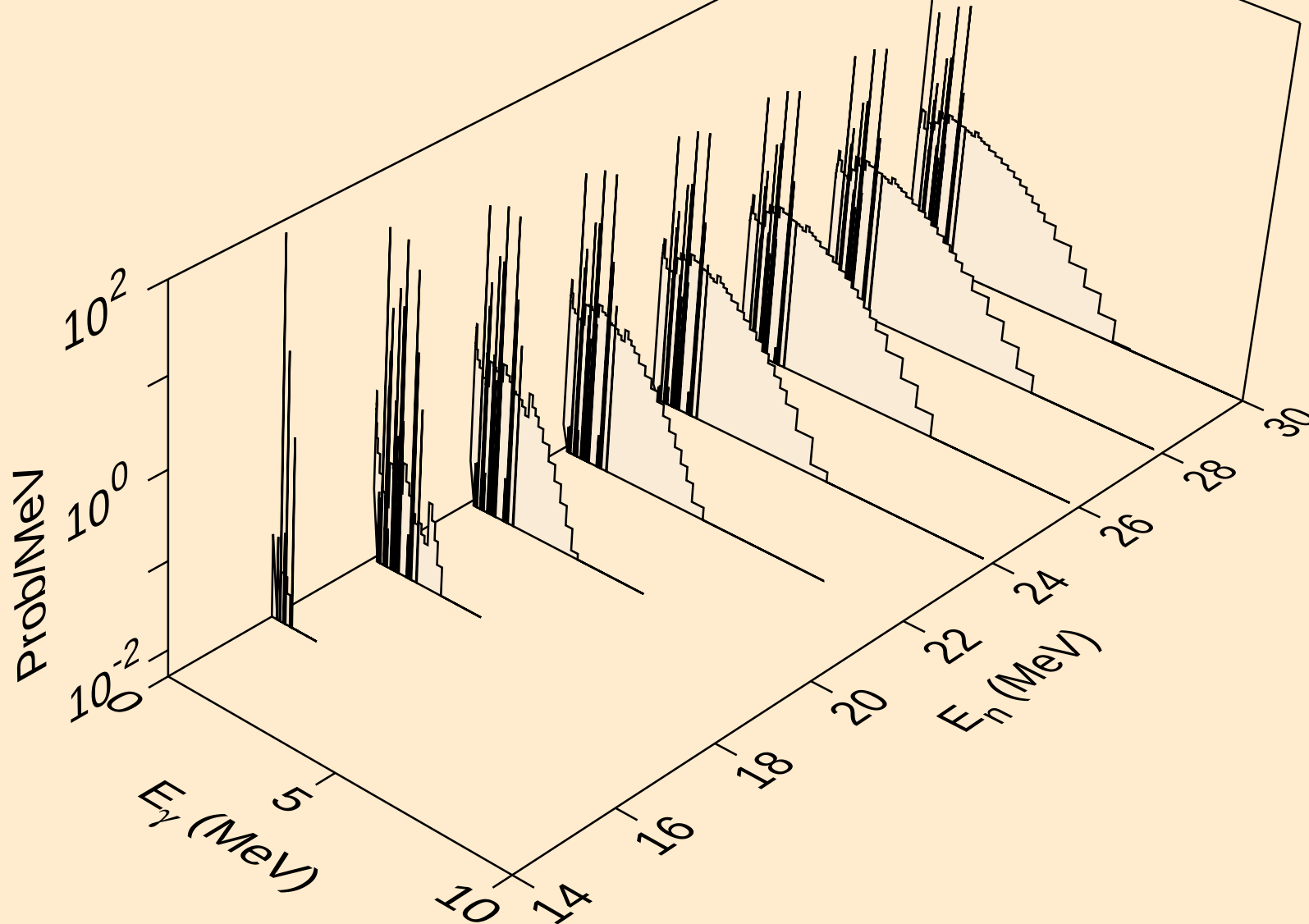
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Photon emission for (n,2nd)



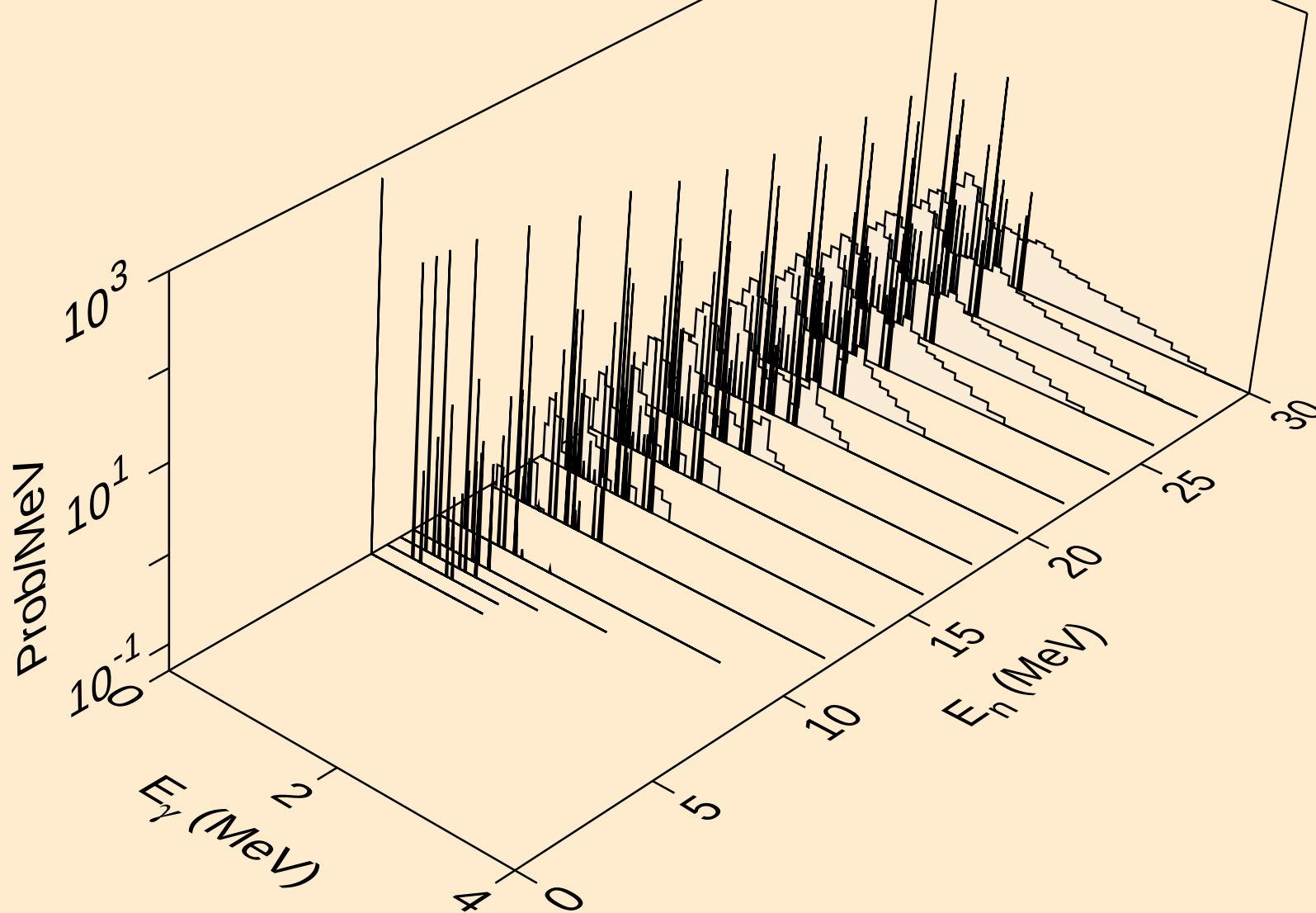
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Photon emission for (n,2n)



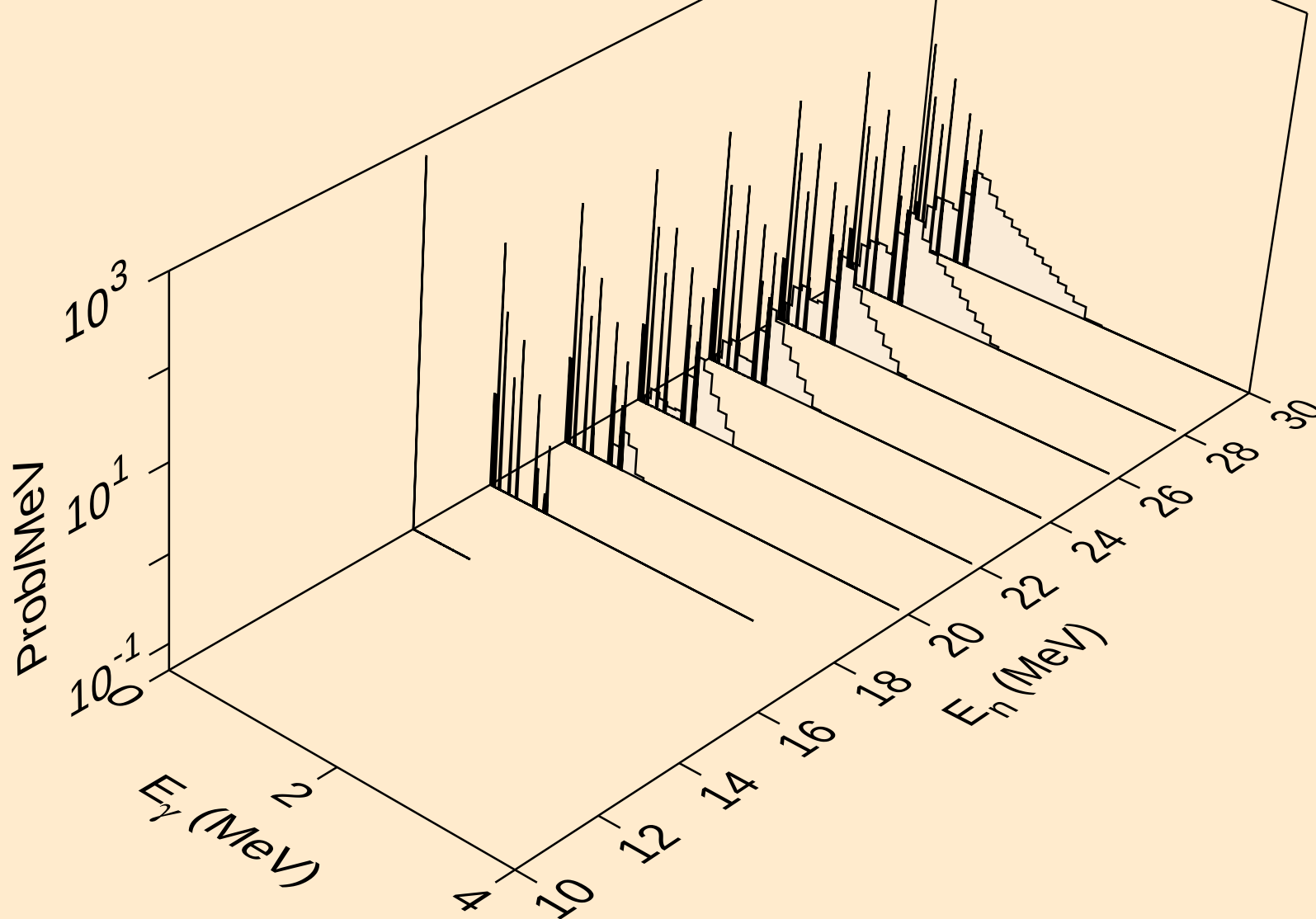
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Photon emission for (n,3n)



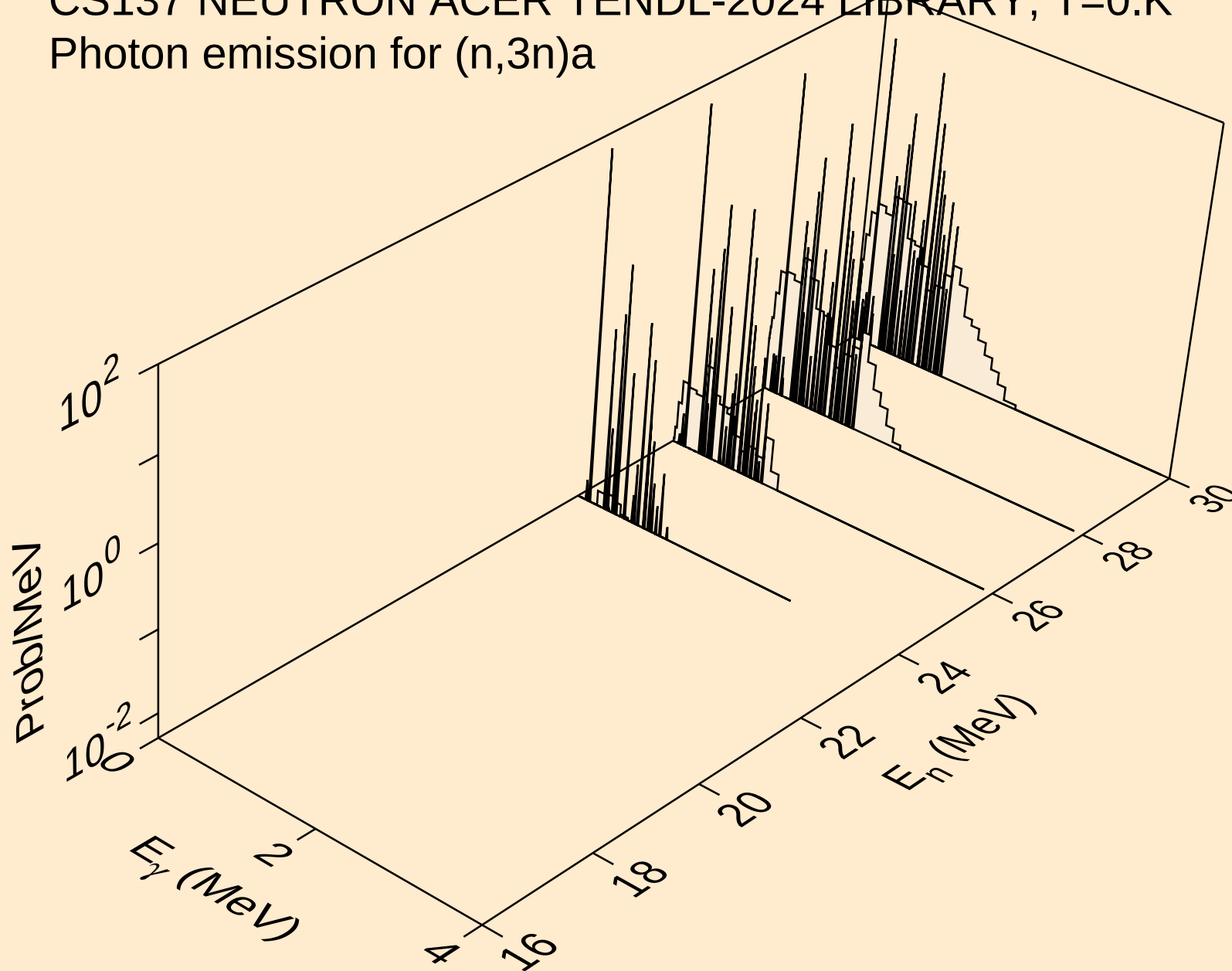
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



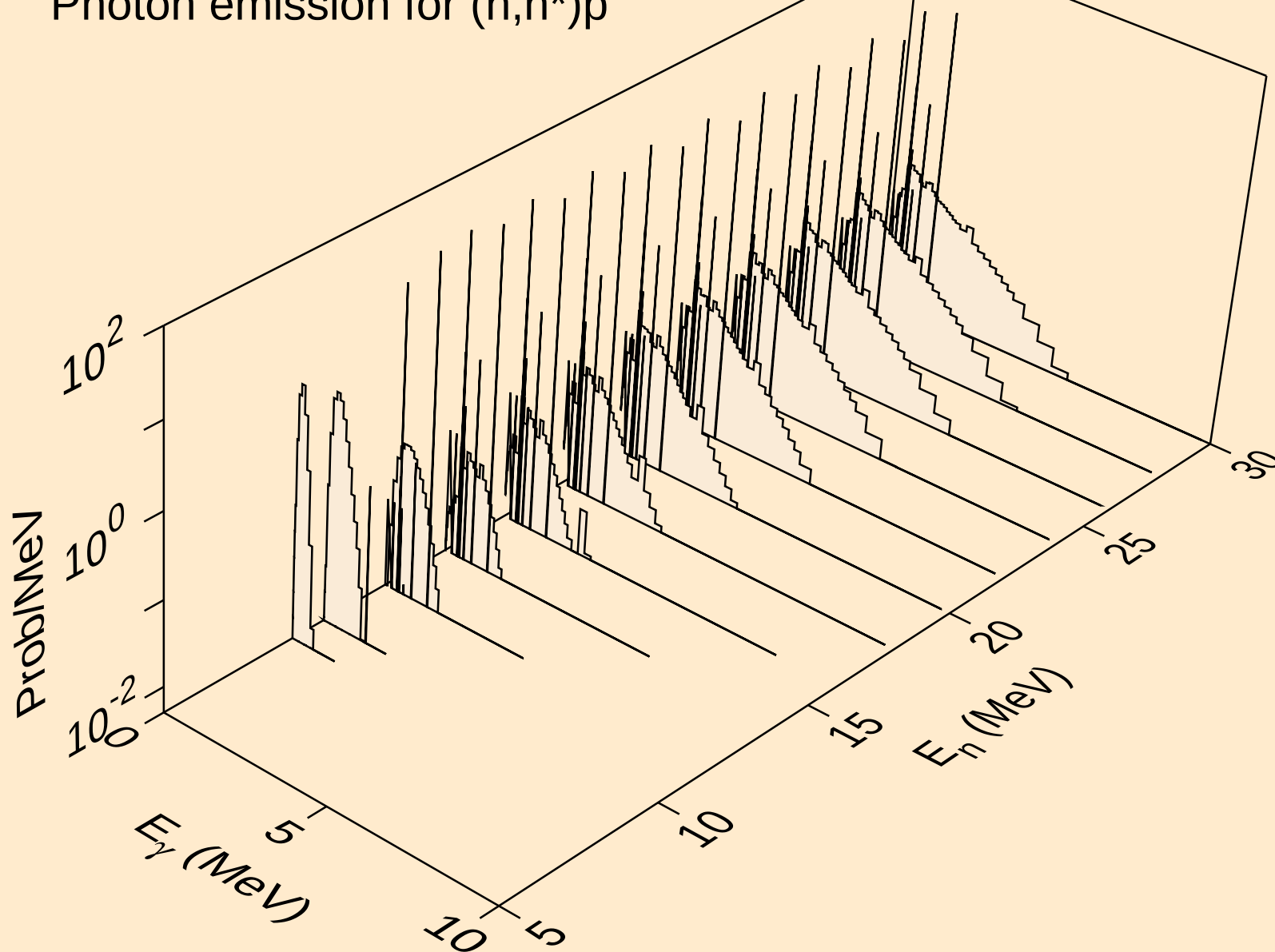
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



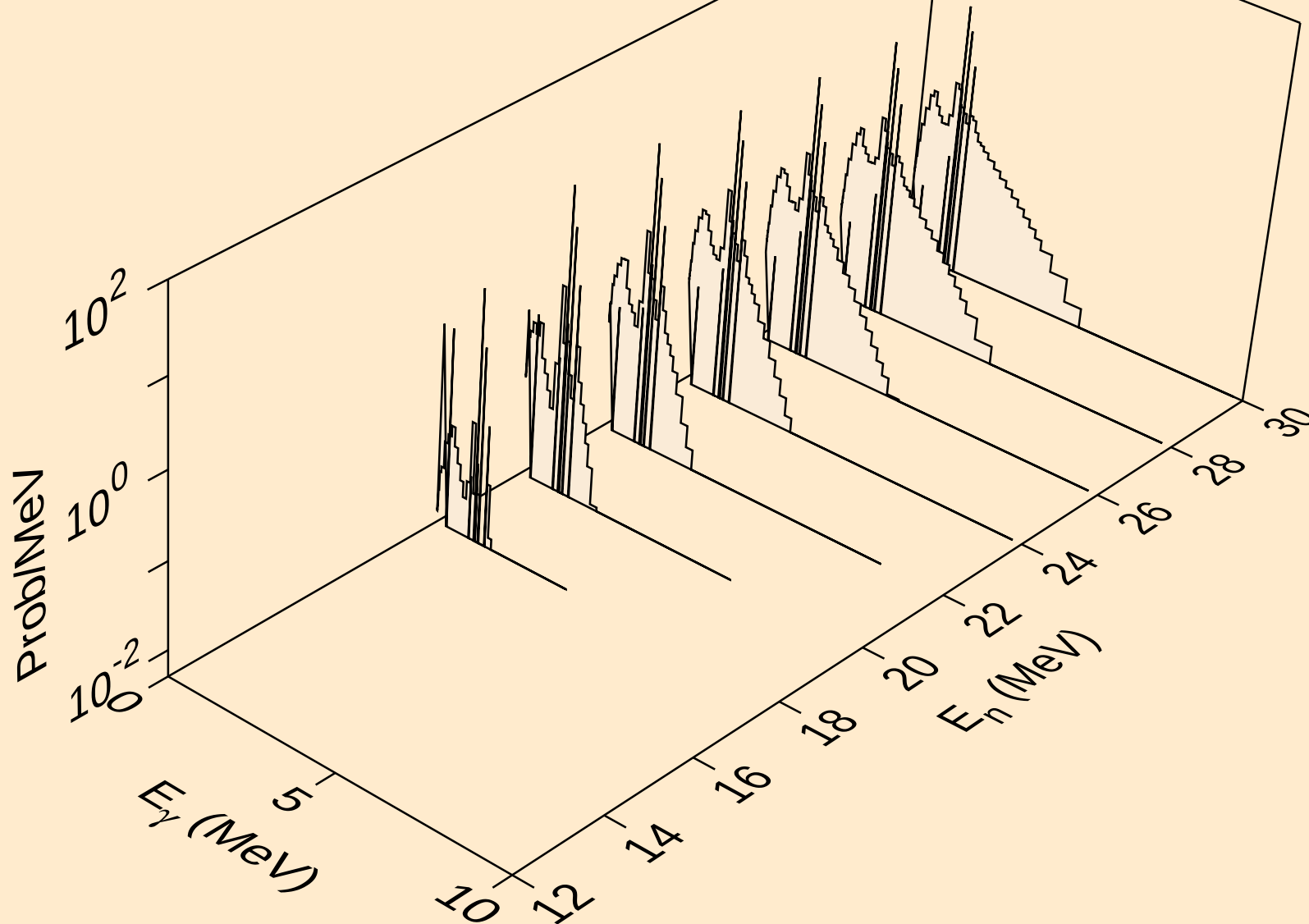
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n) $\alpha$



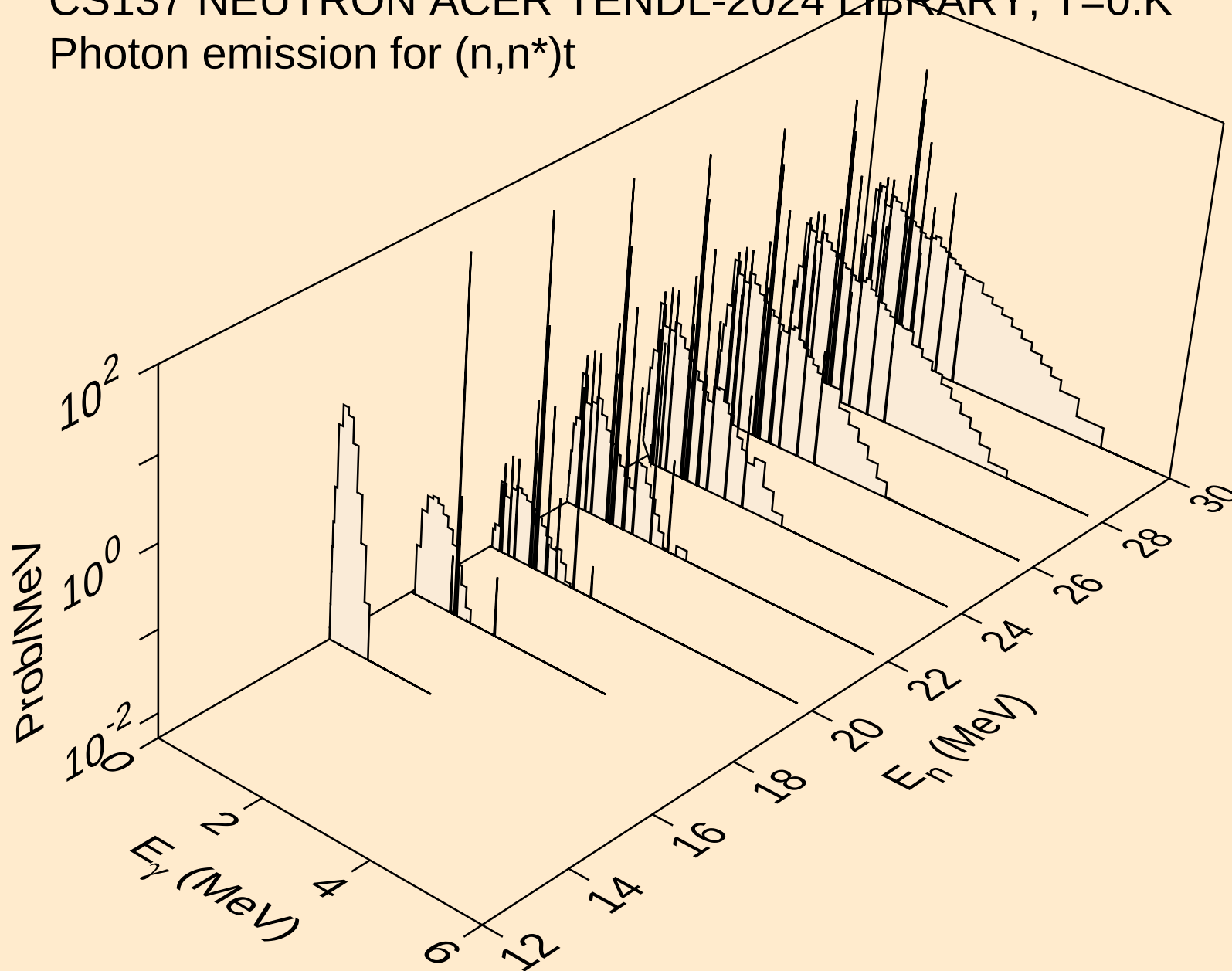
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



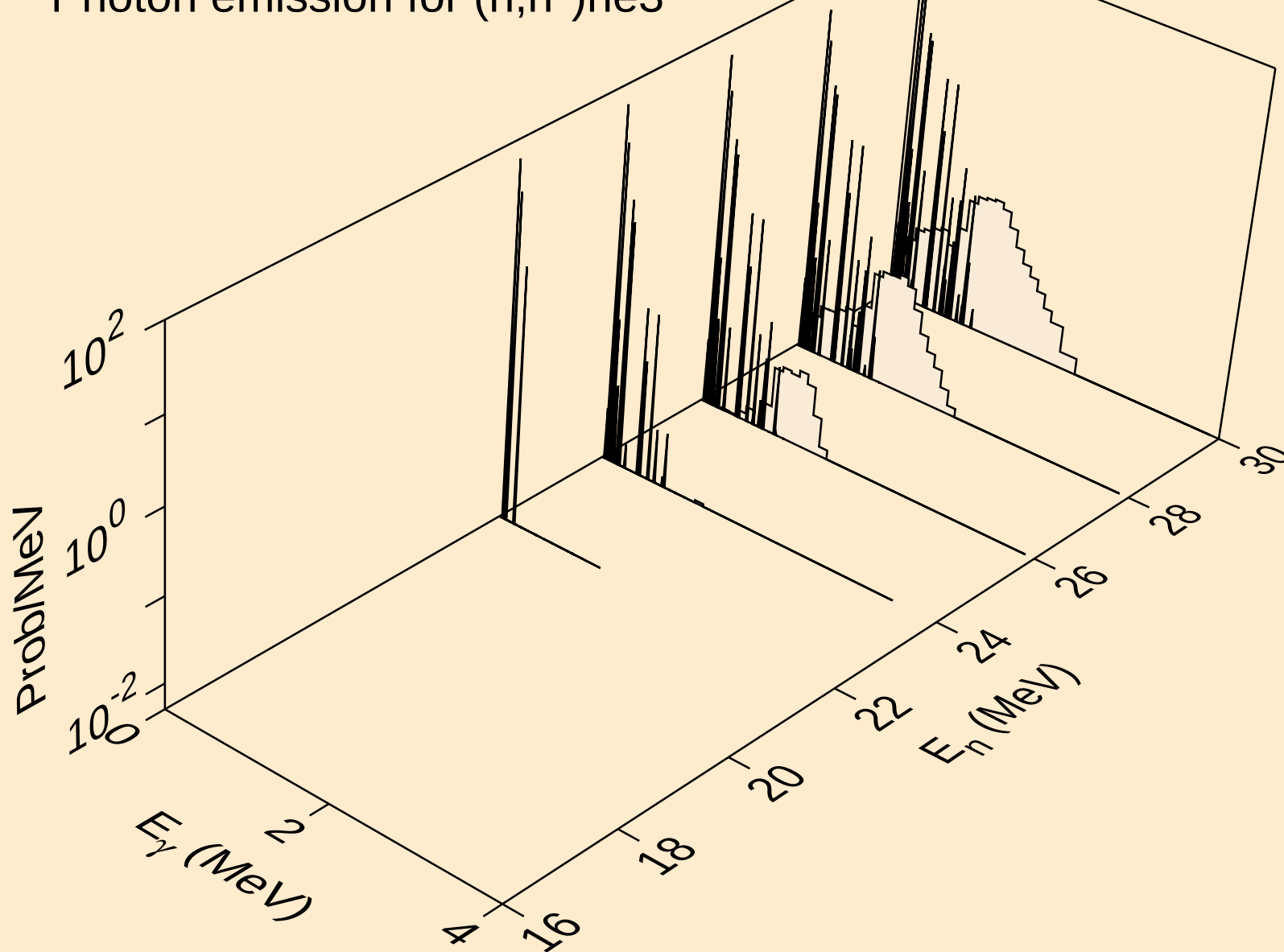
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



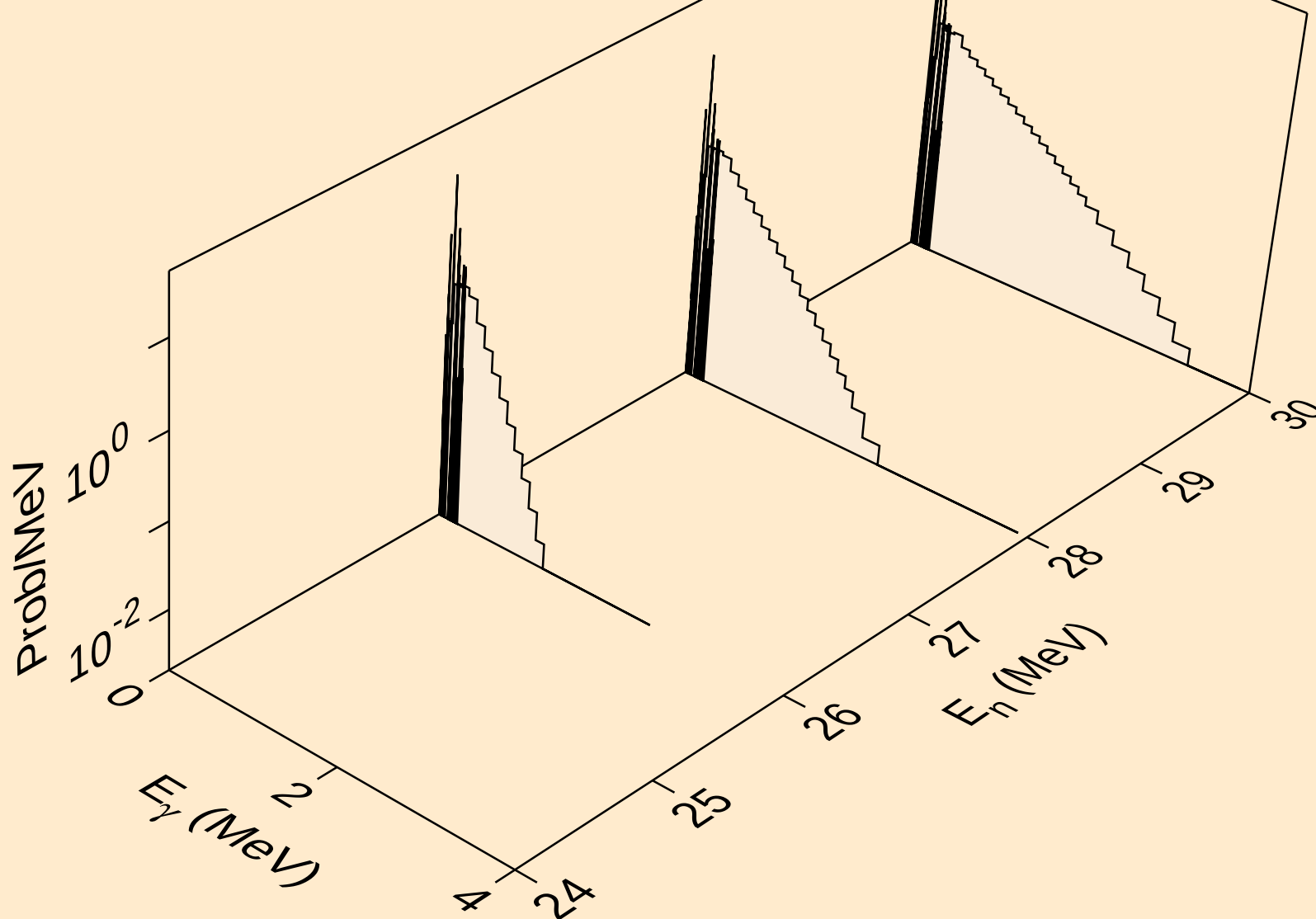
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



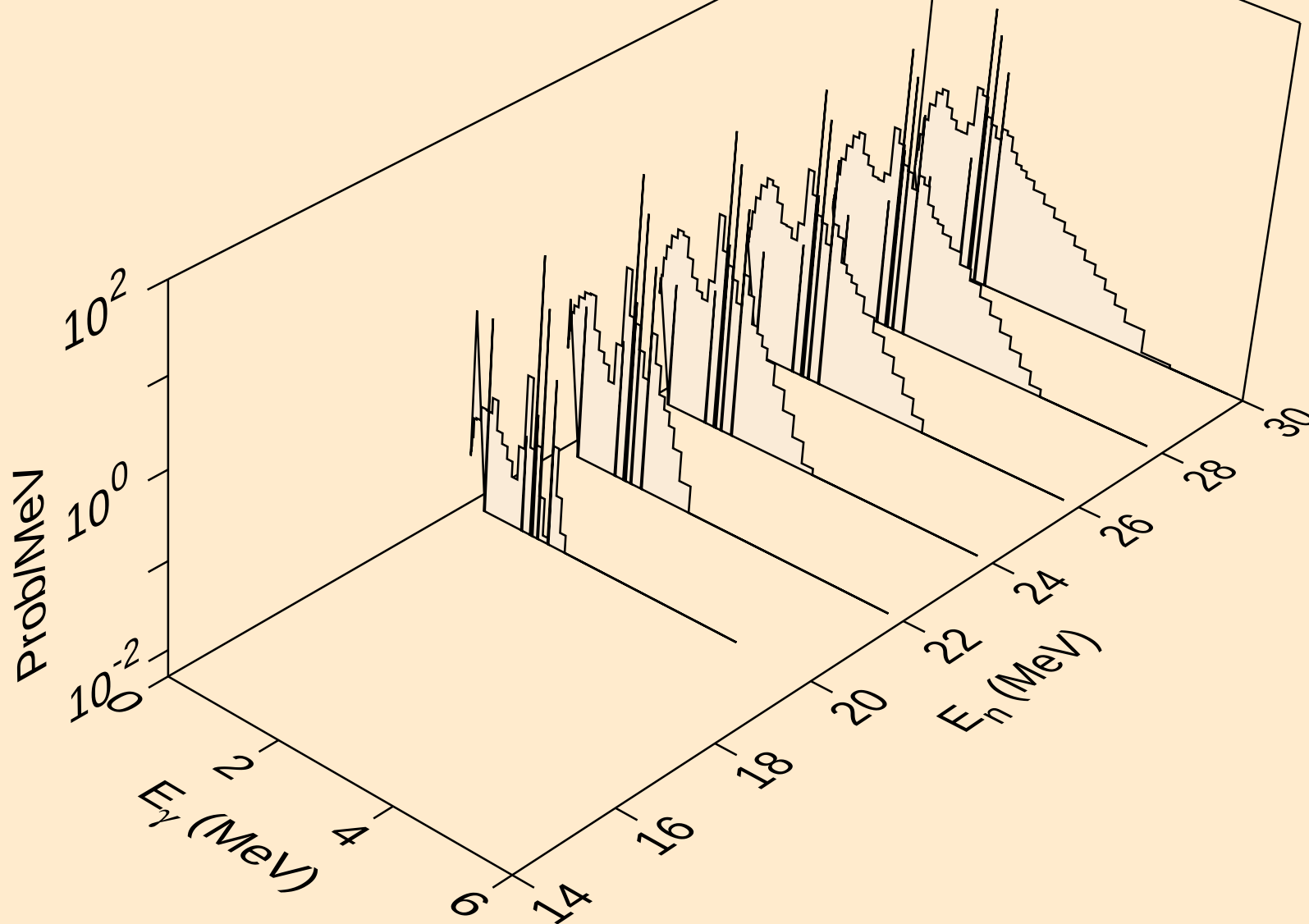
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



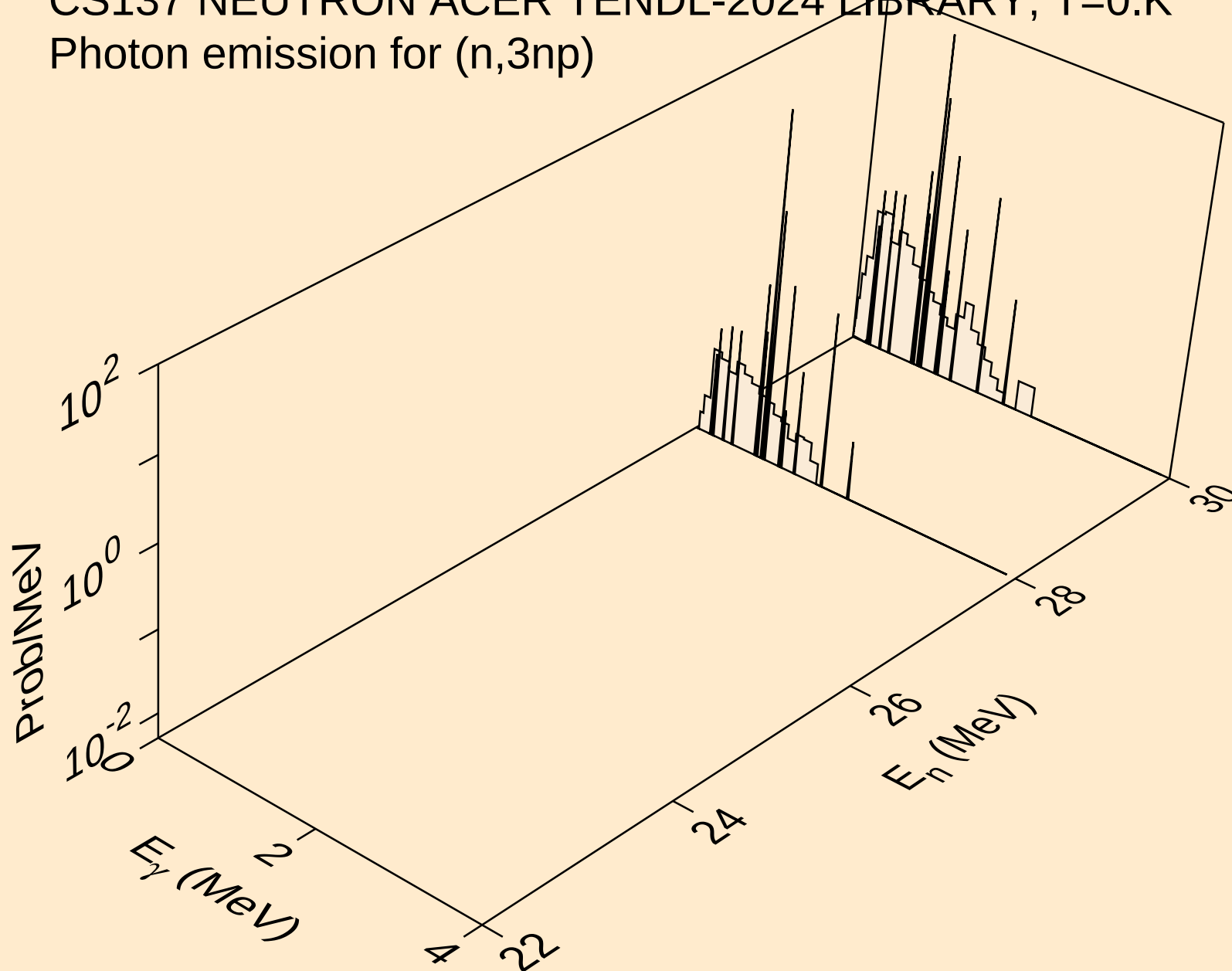
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



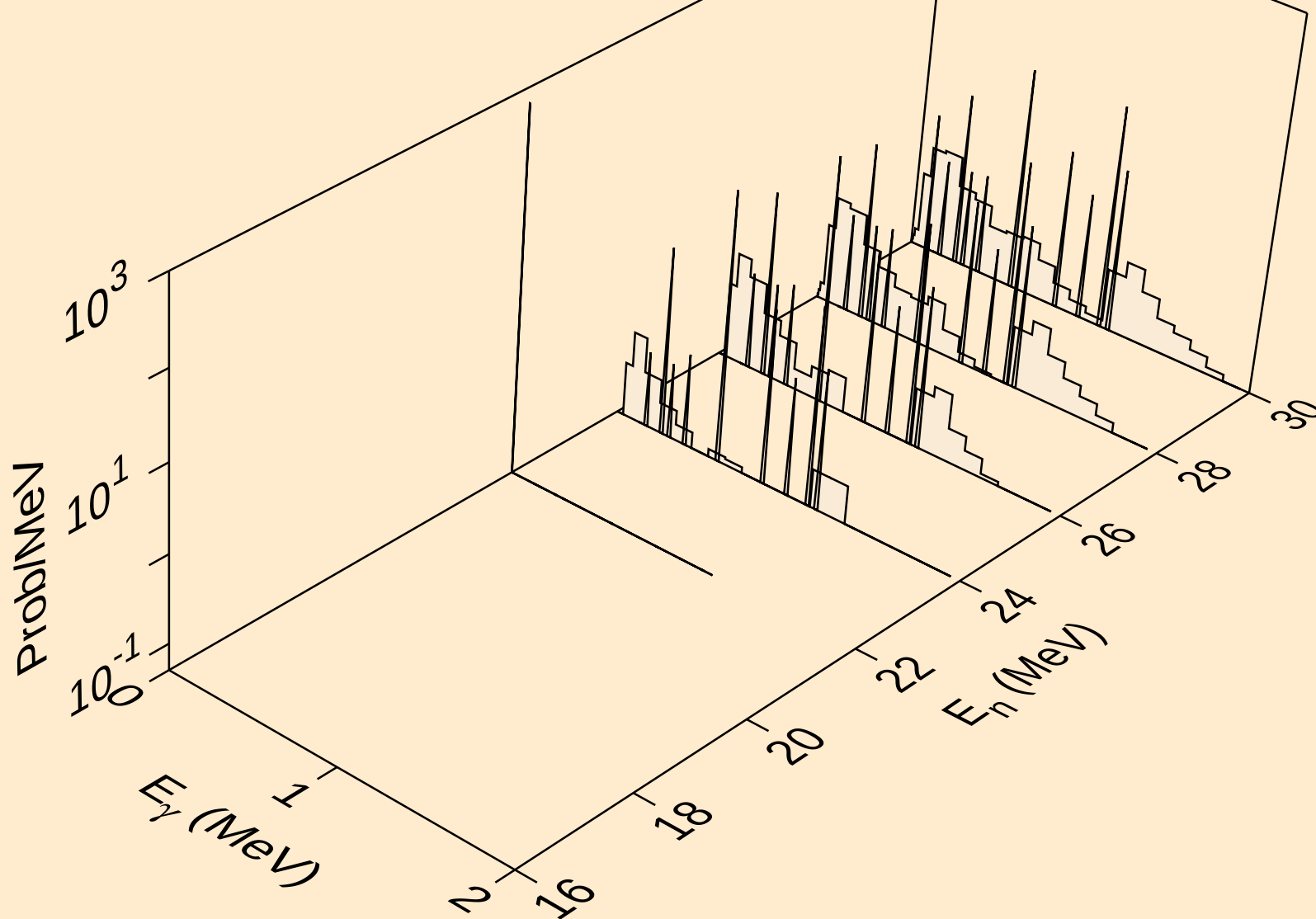
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Photon emission for (n,2np)



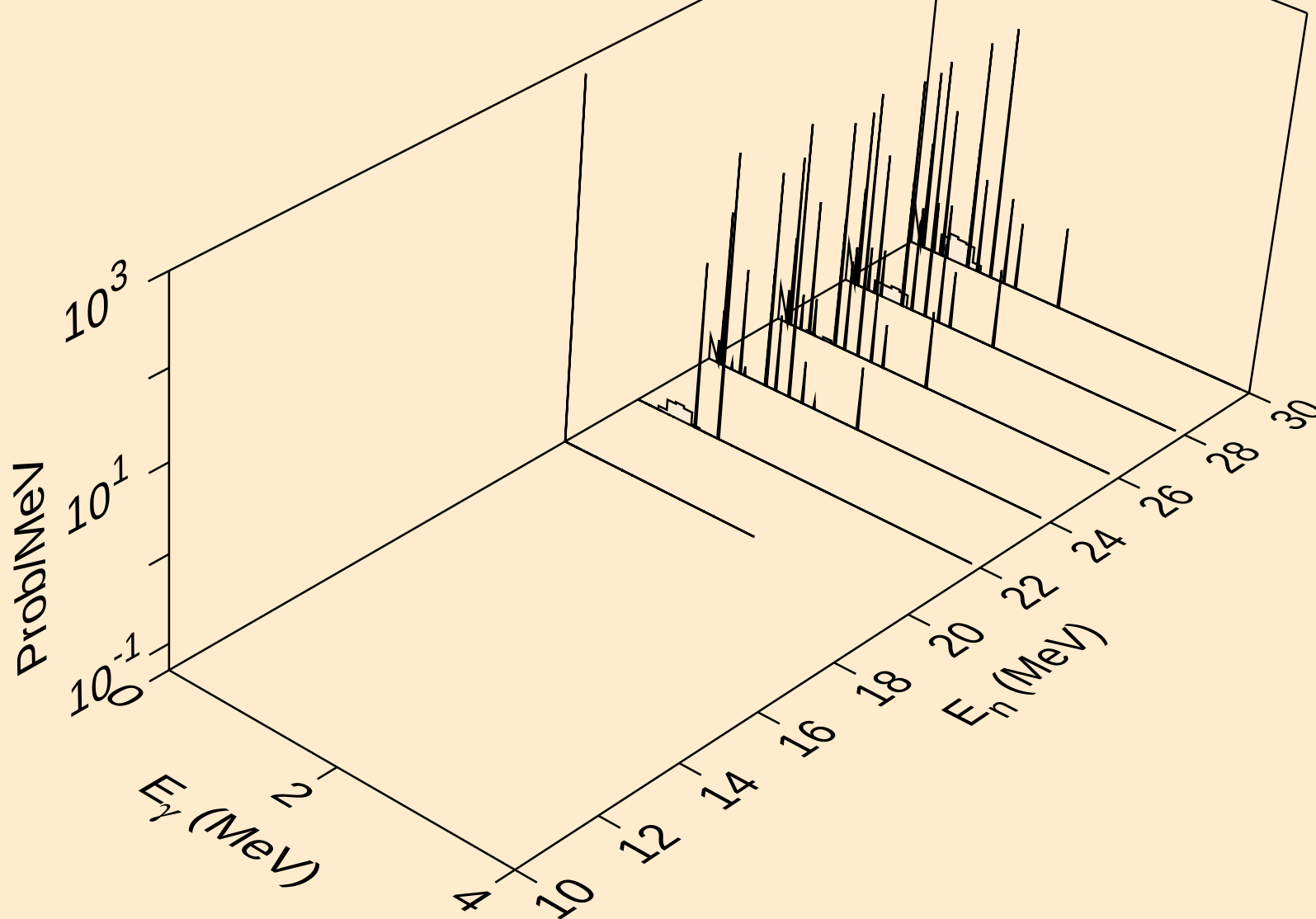
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Photon emission for (n,3np)



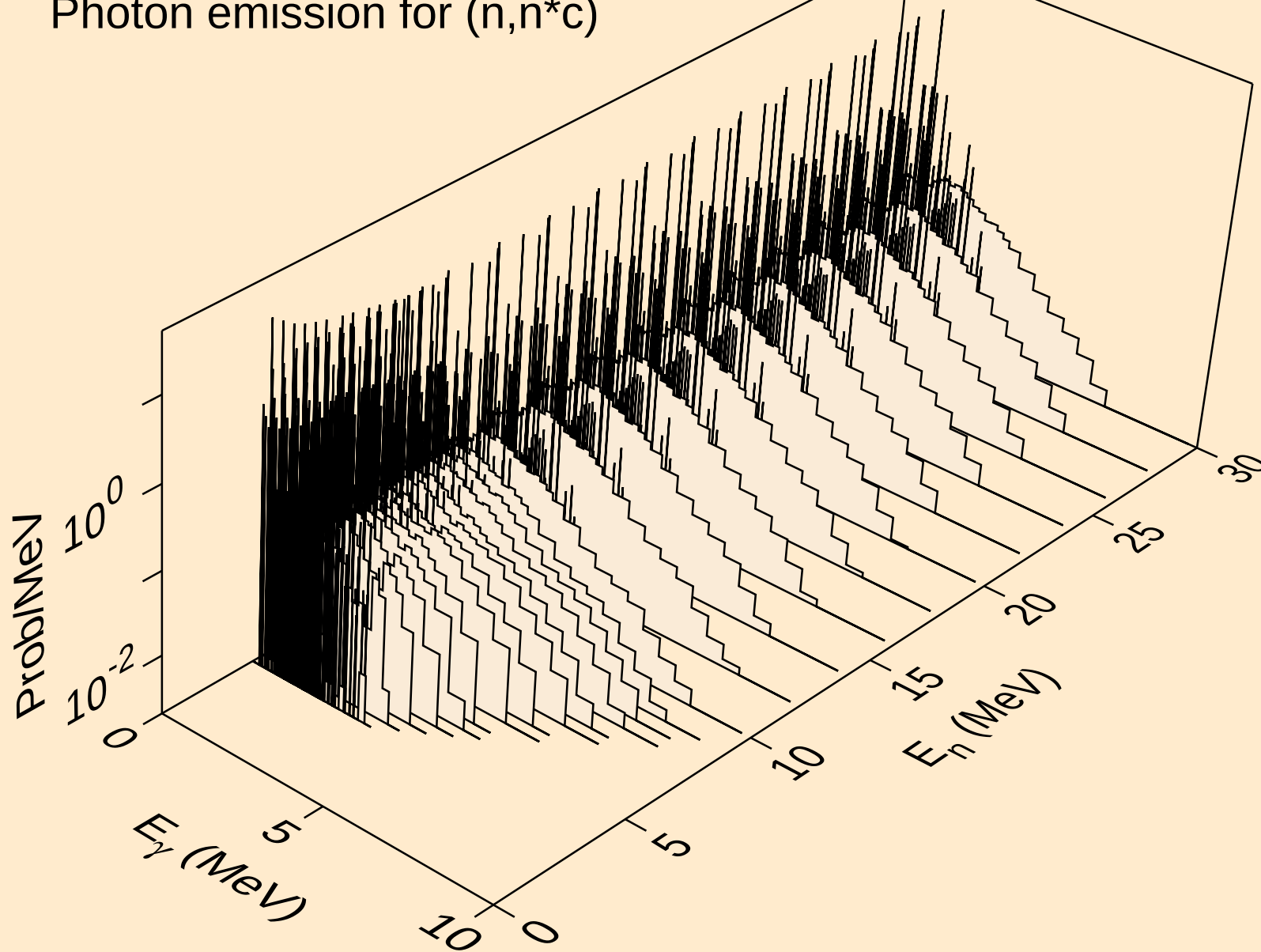
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



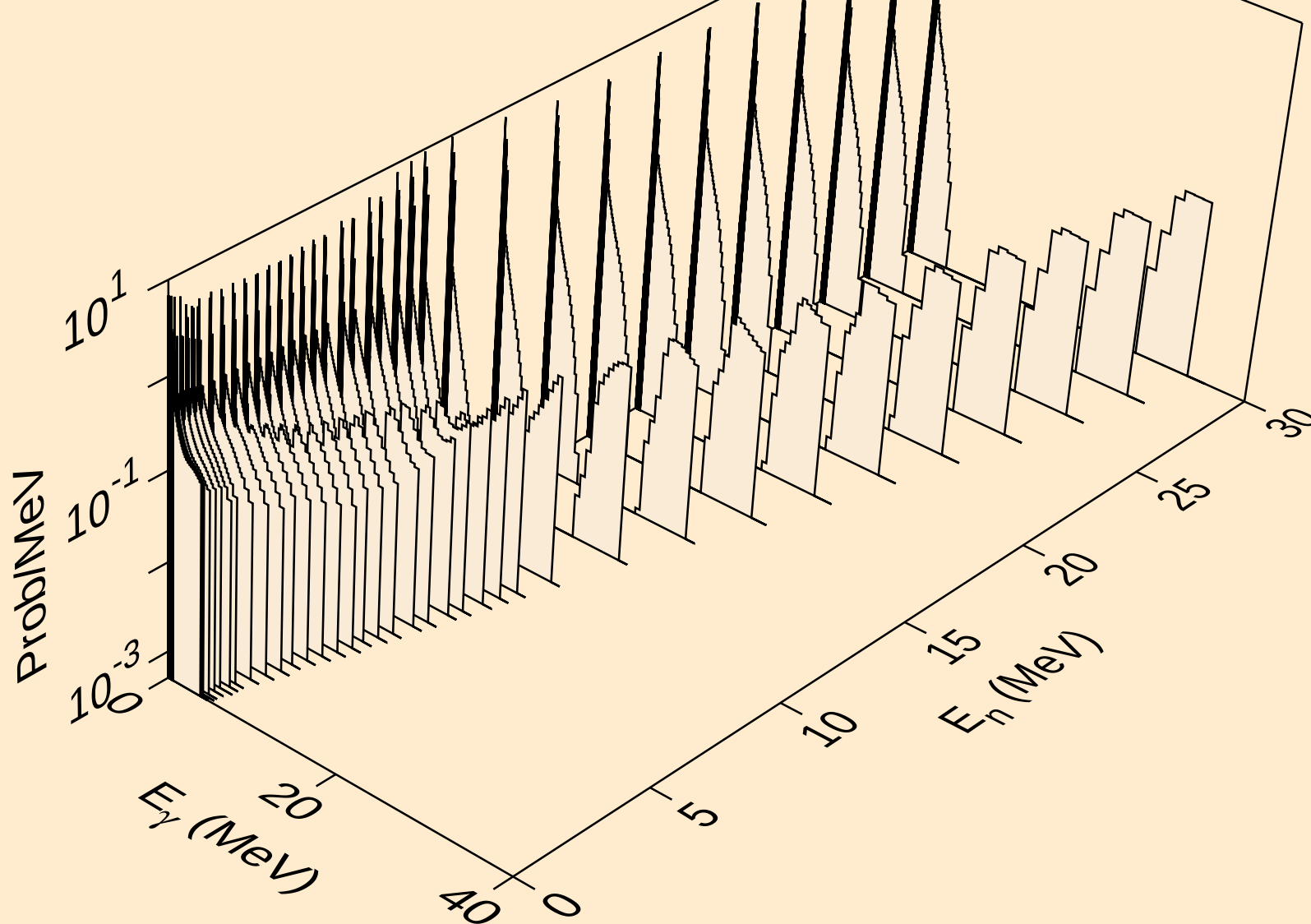
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



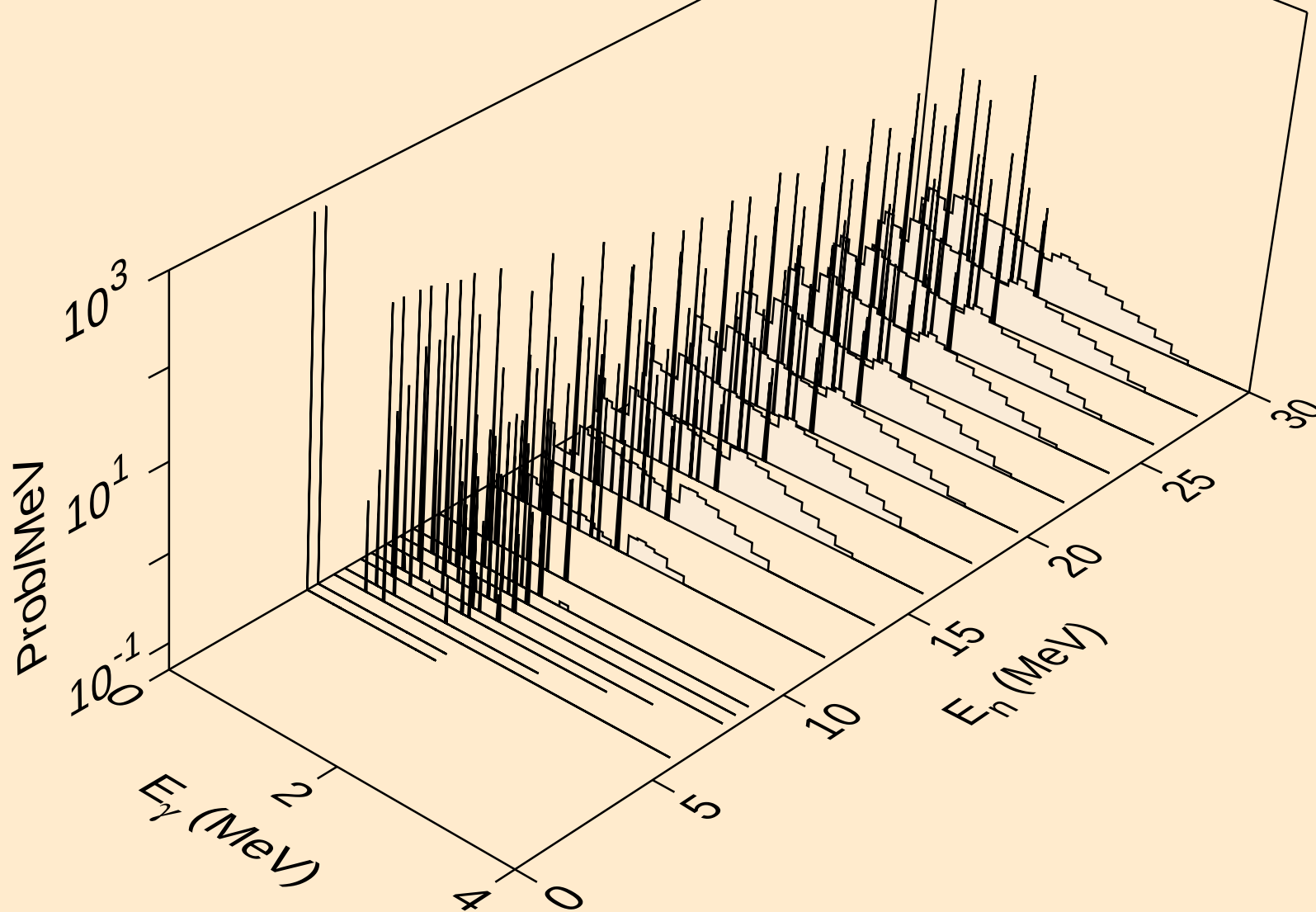
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



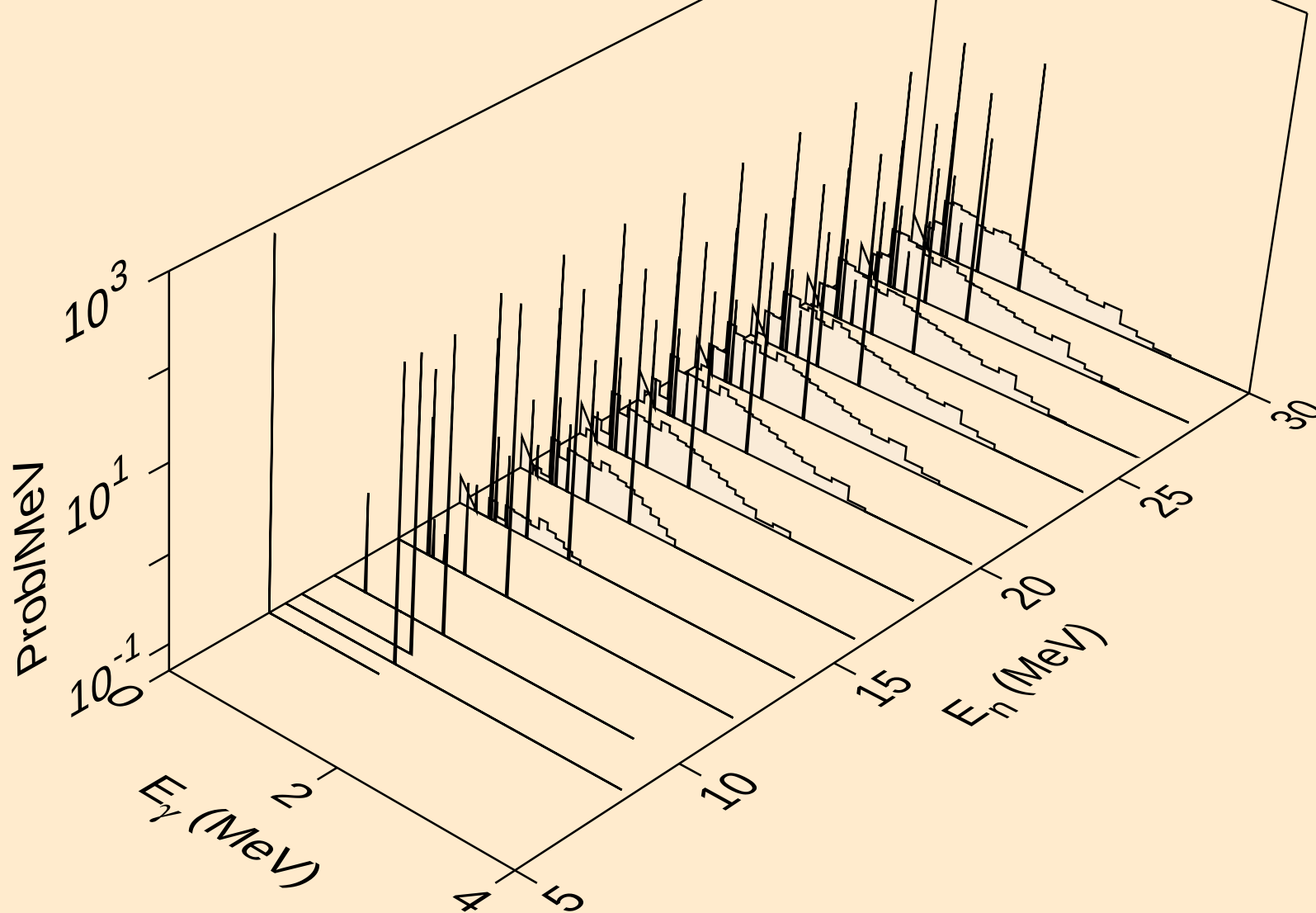
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



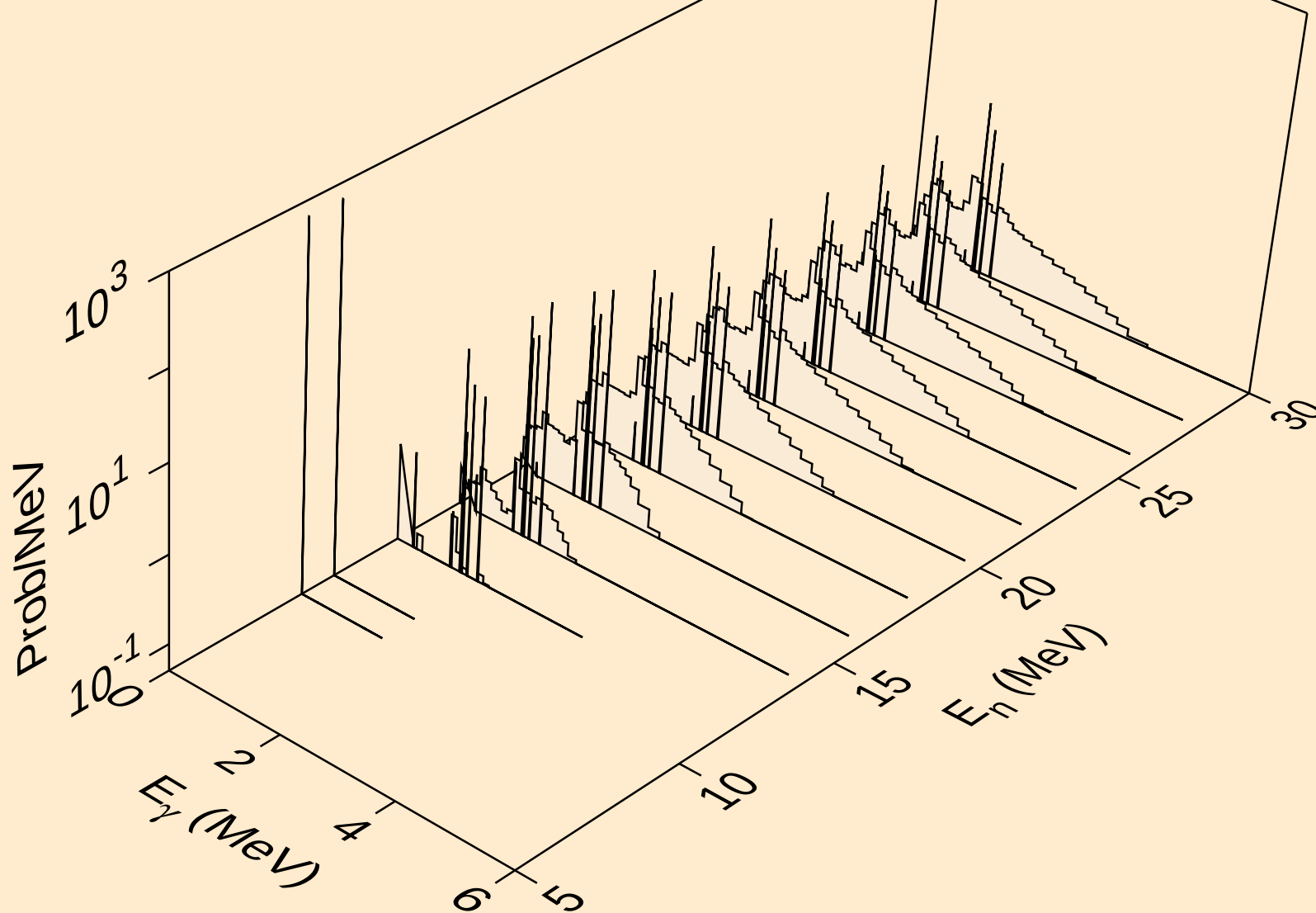
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Photon emission for (n,p)



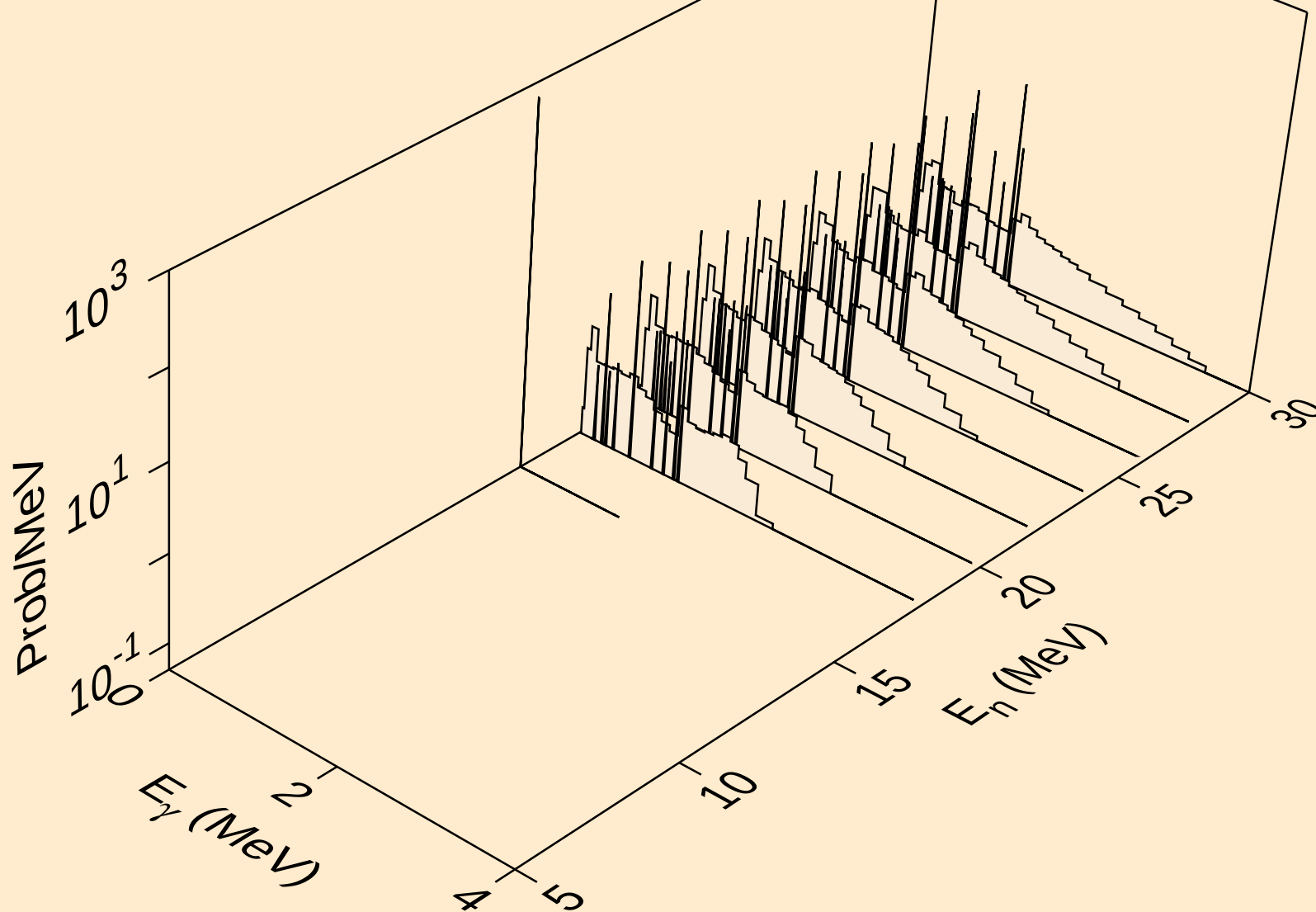
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Photon emission for (n,d)



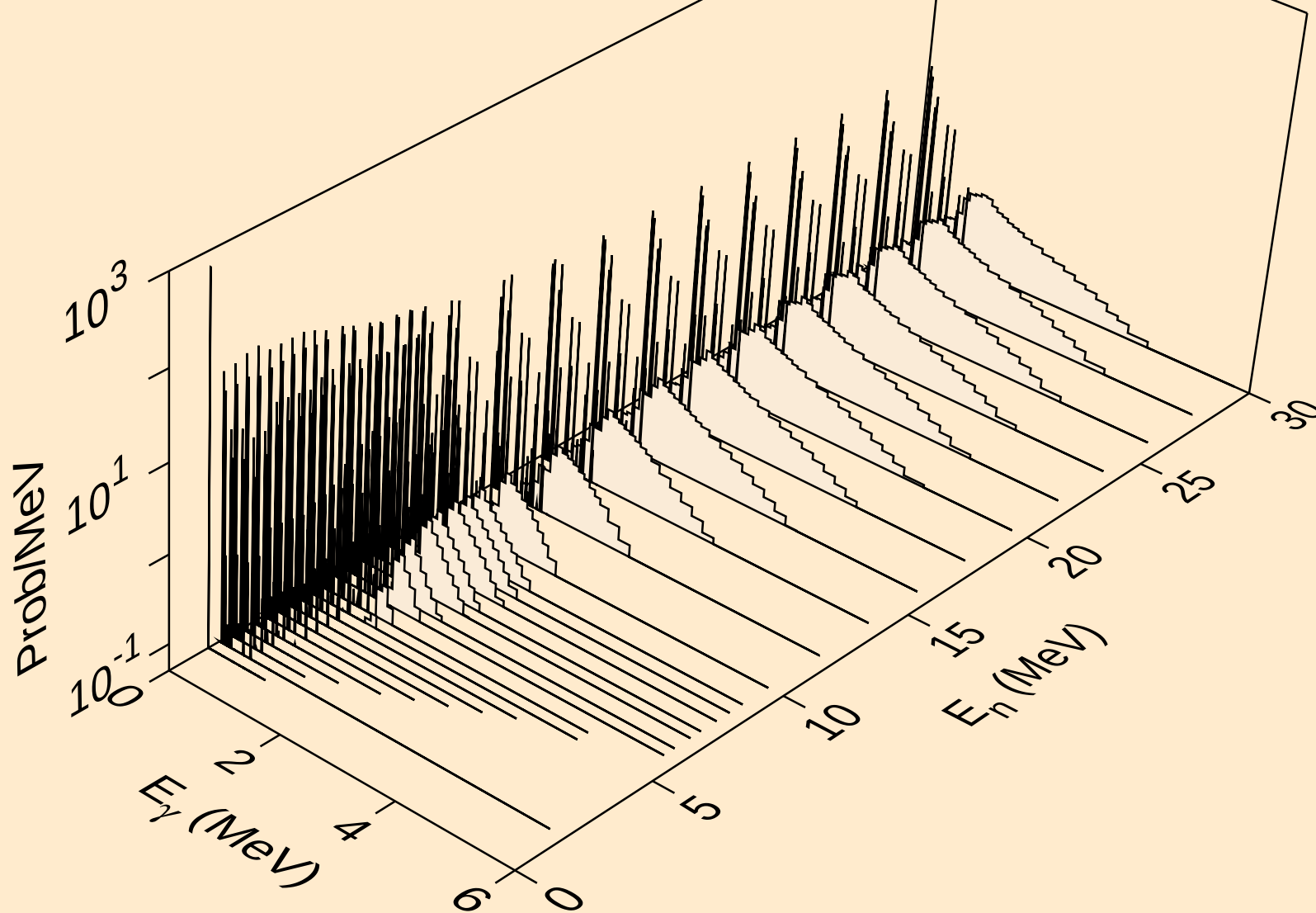
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



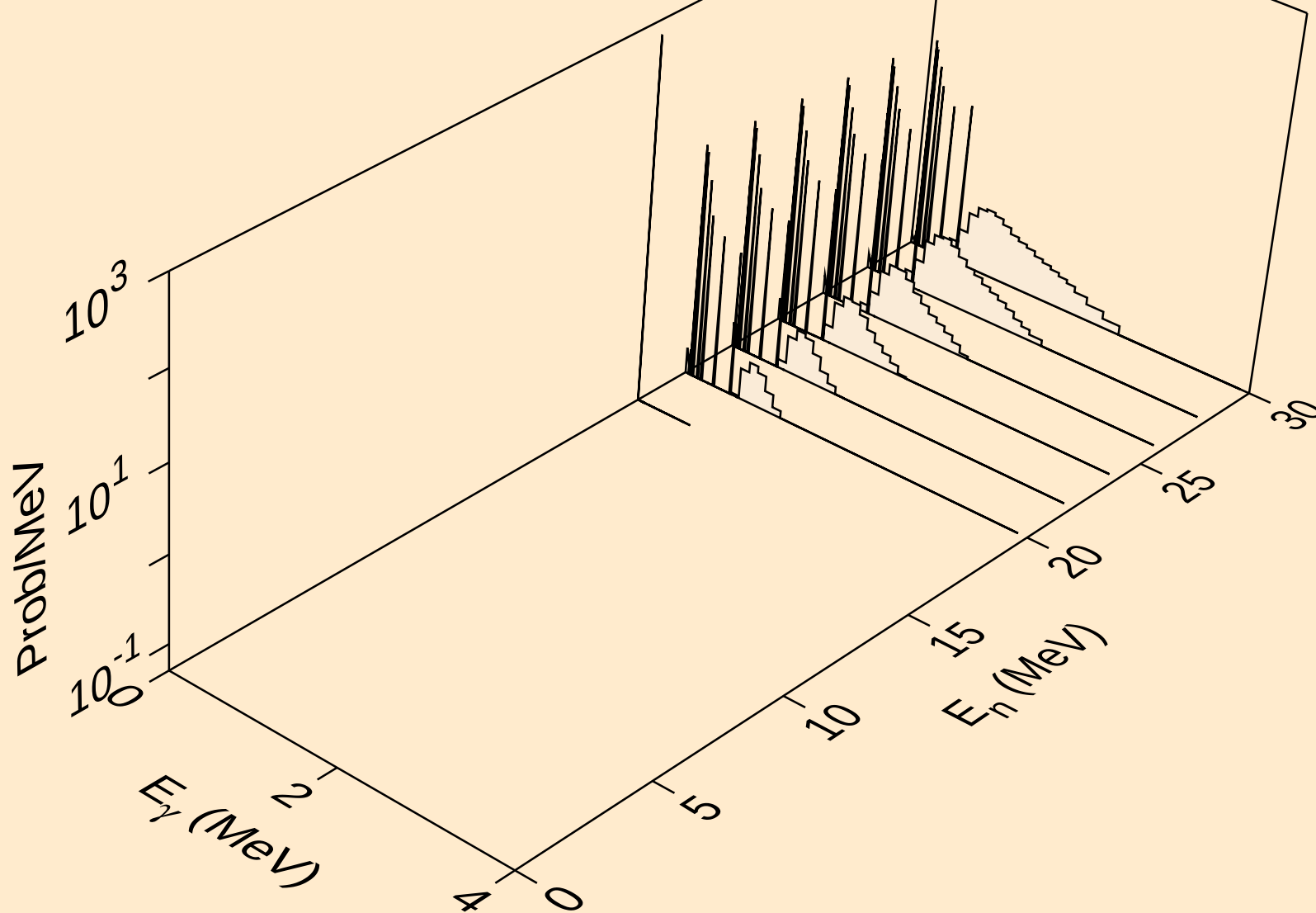
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



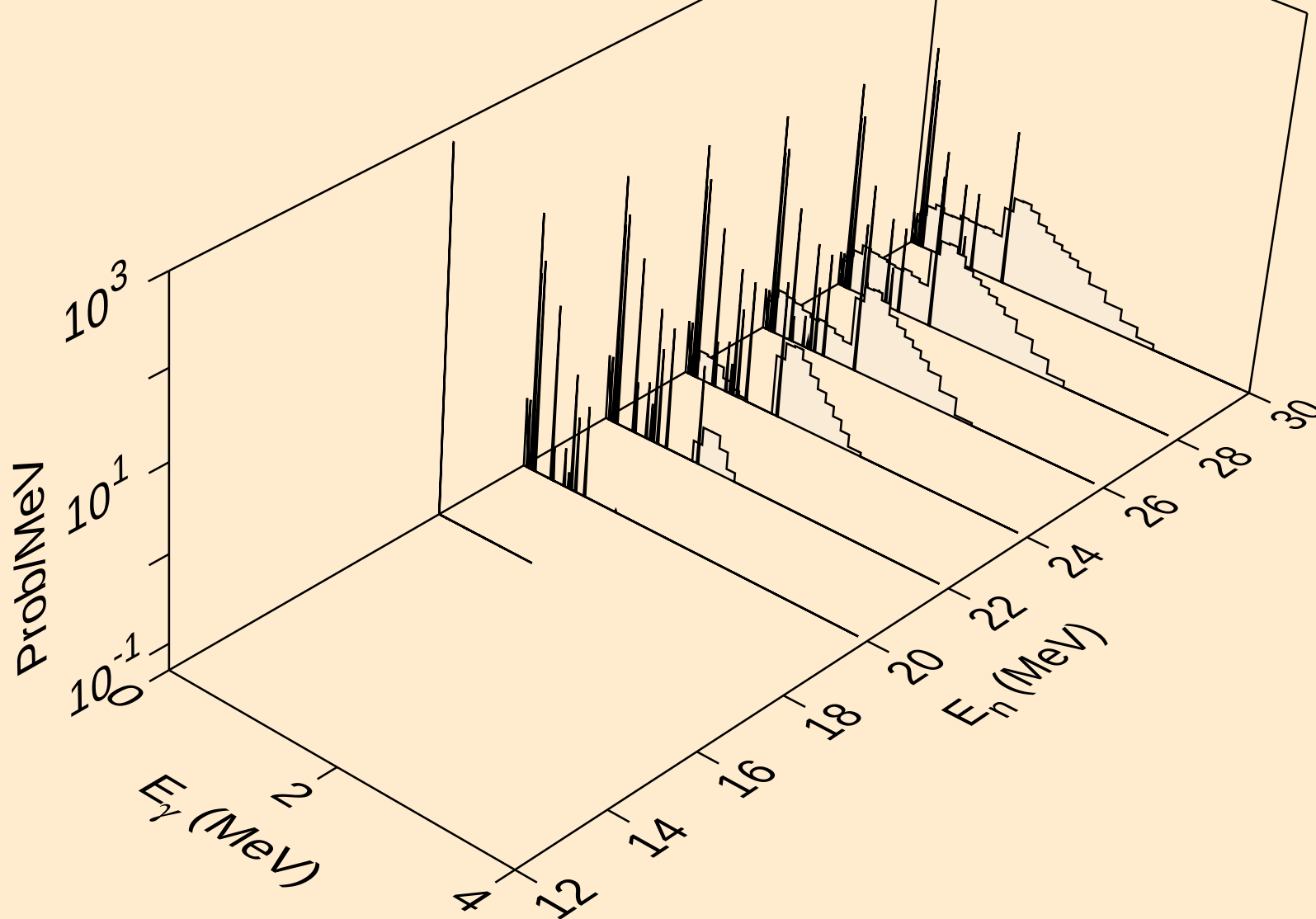
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



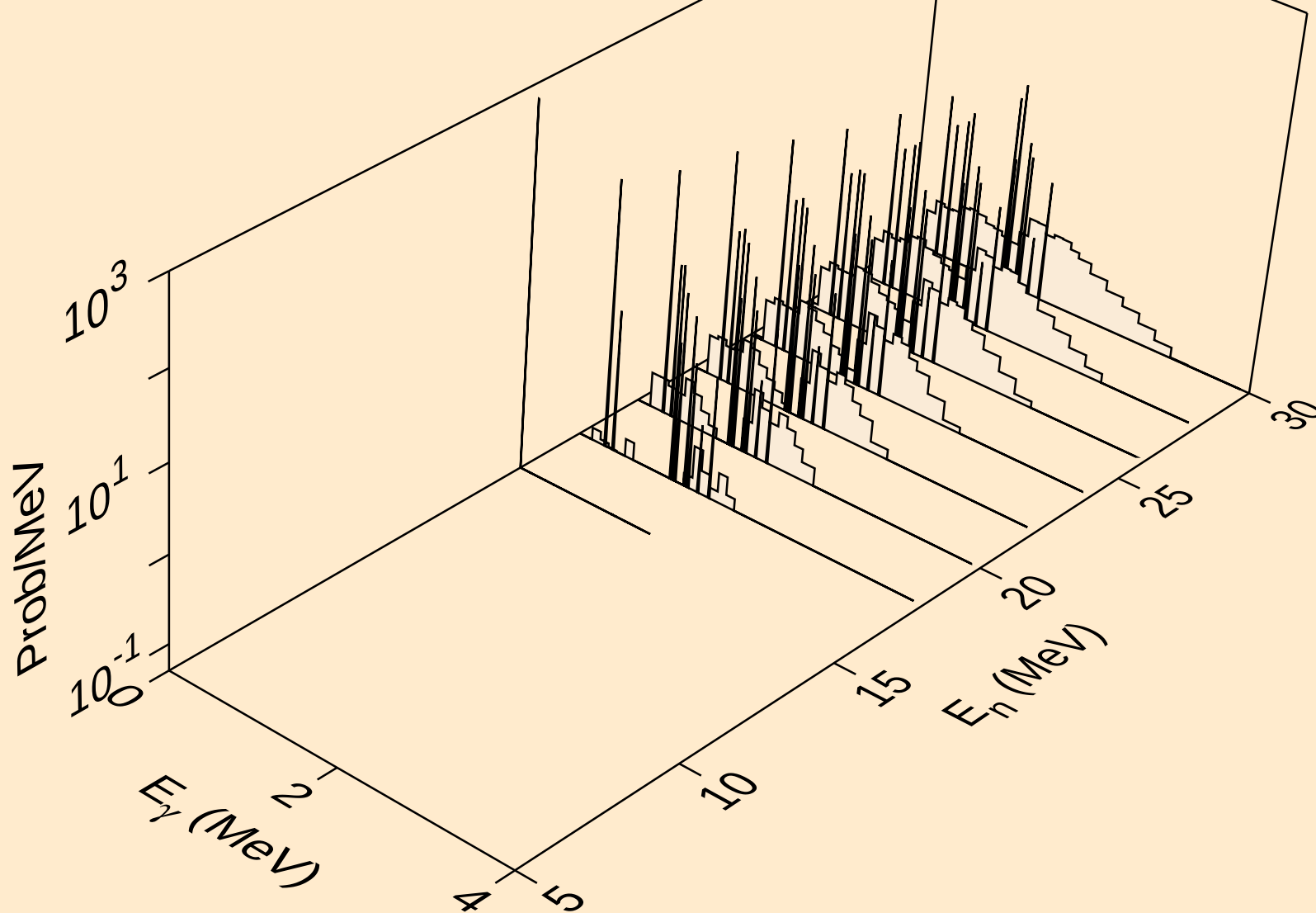
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Photon emission for (n,2a)



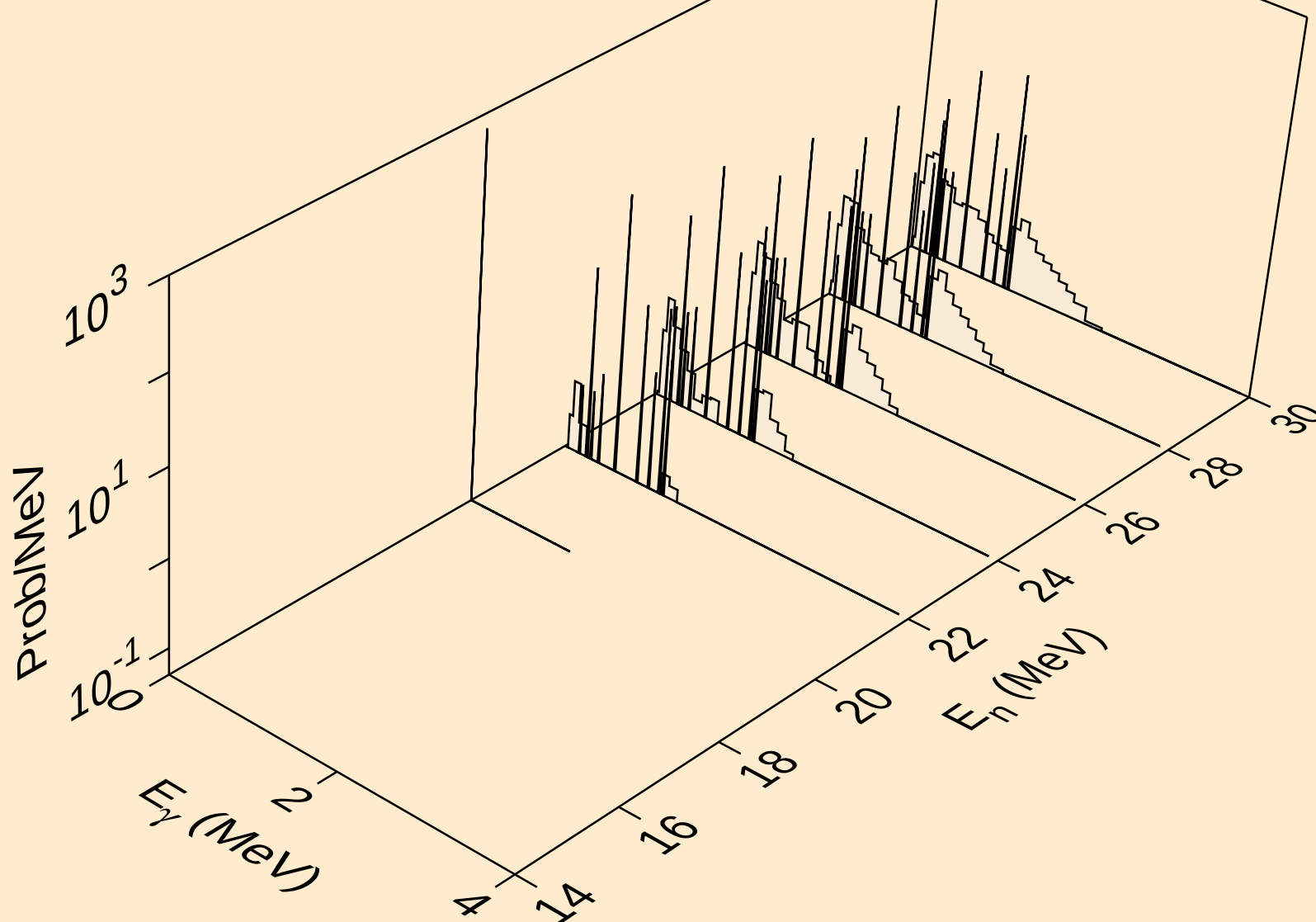
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Photon emission for (n,2p)



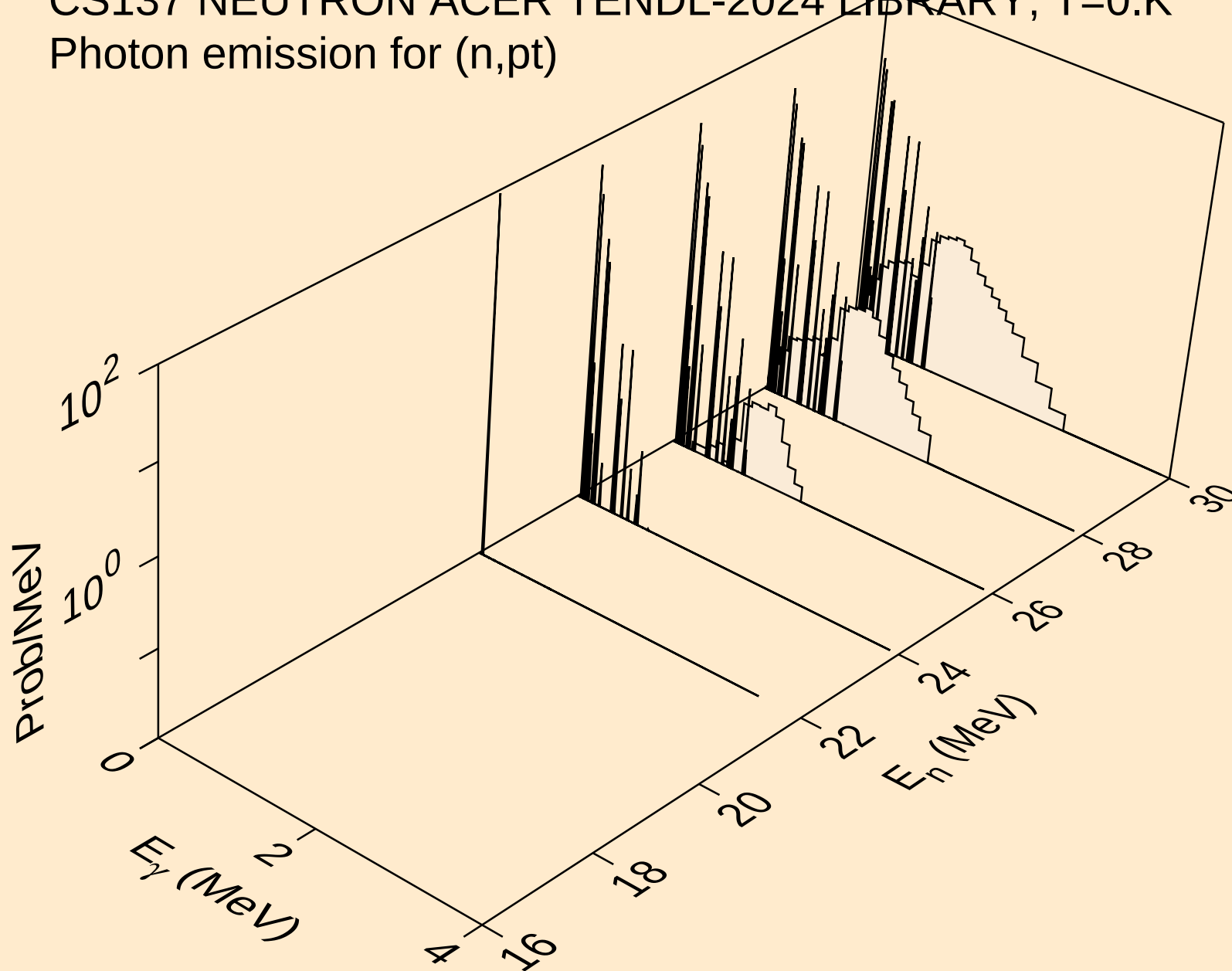
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



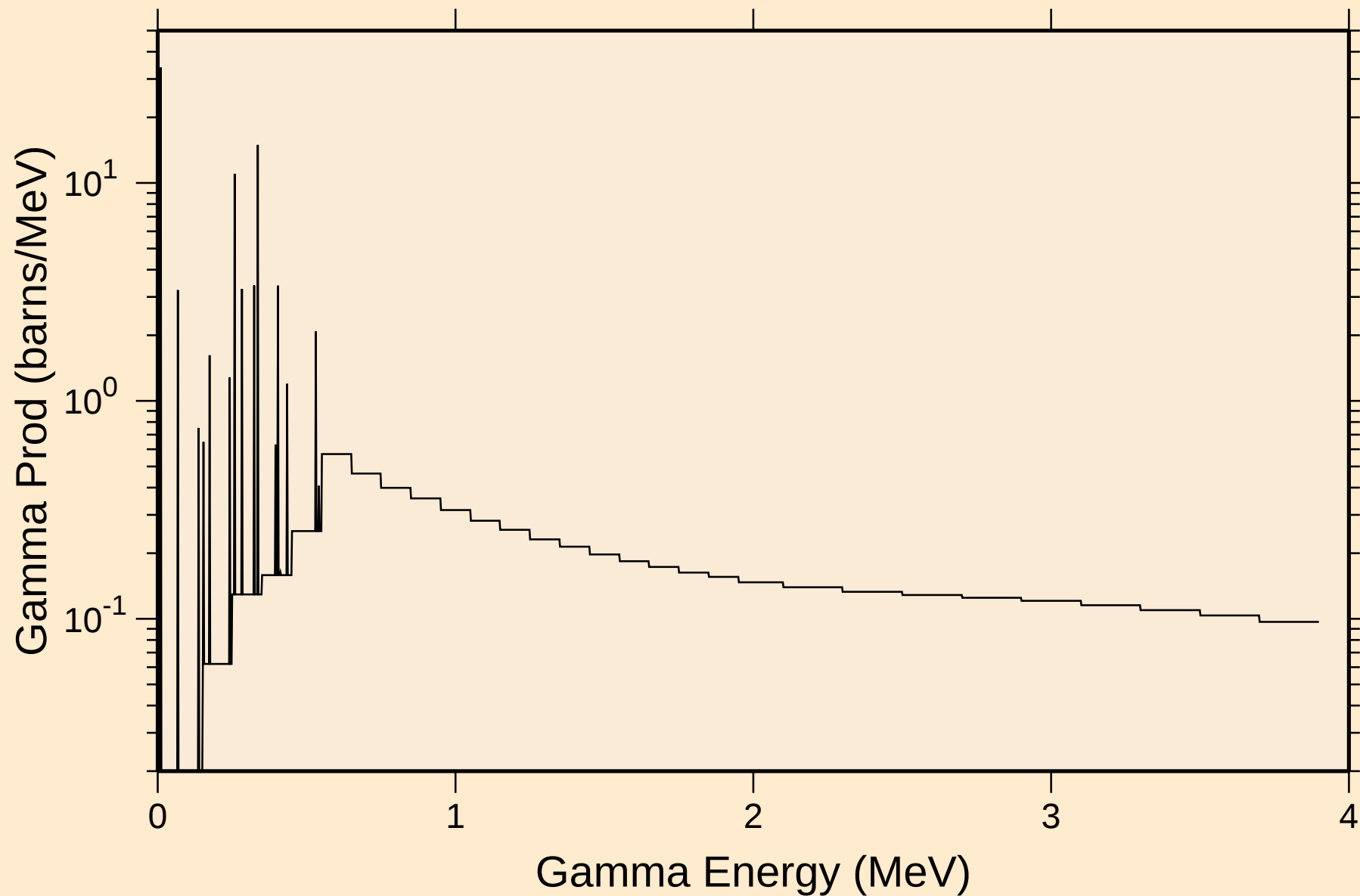
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



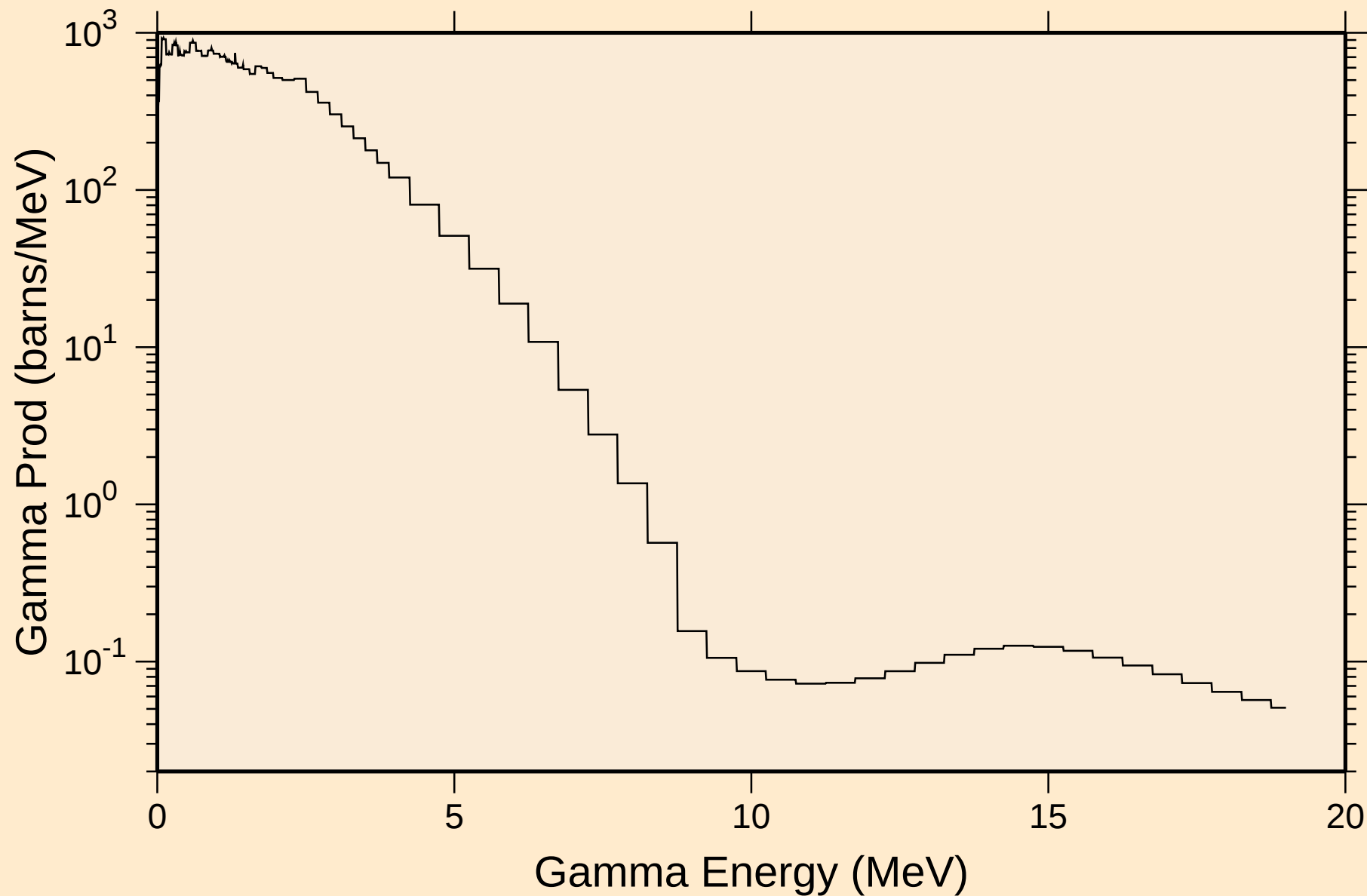
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

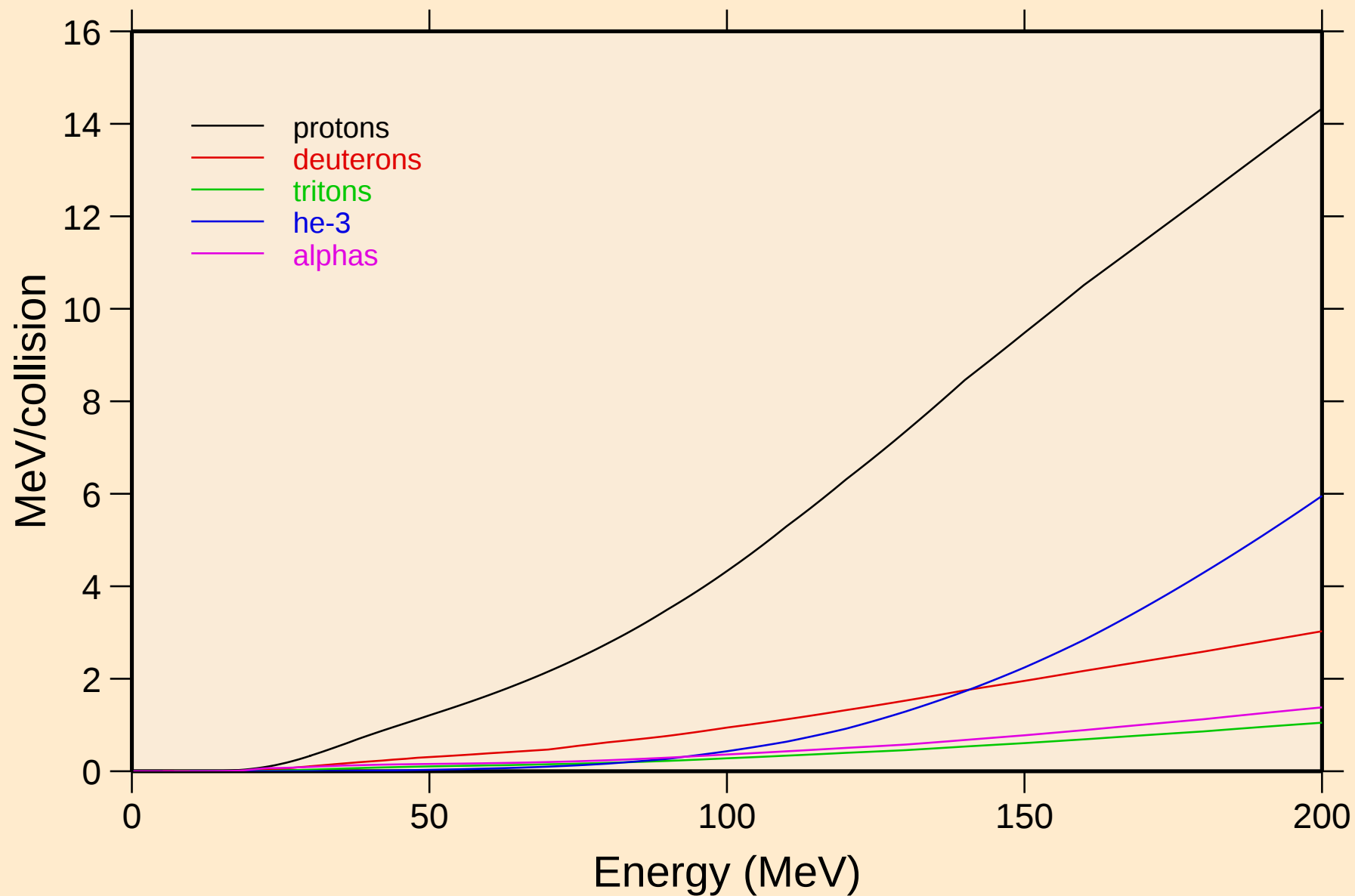


CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



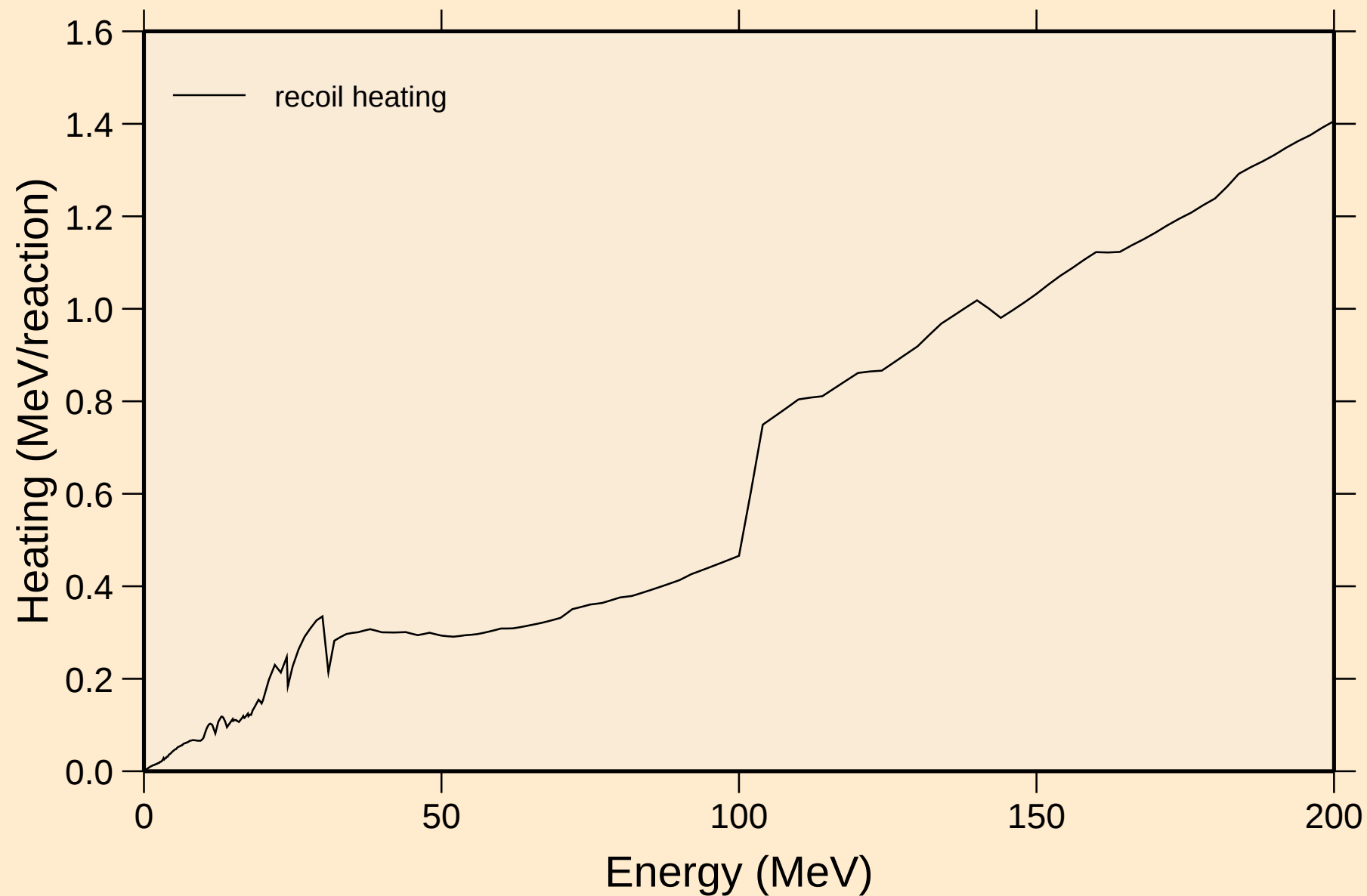
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## Particle heating contributions



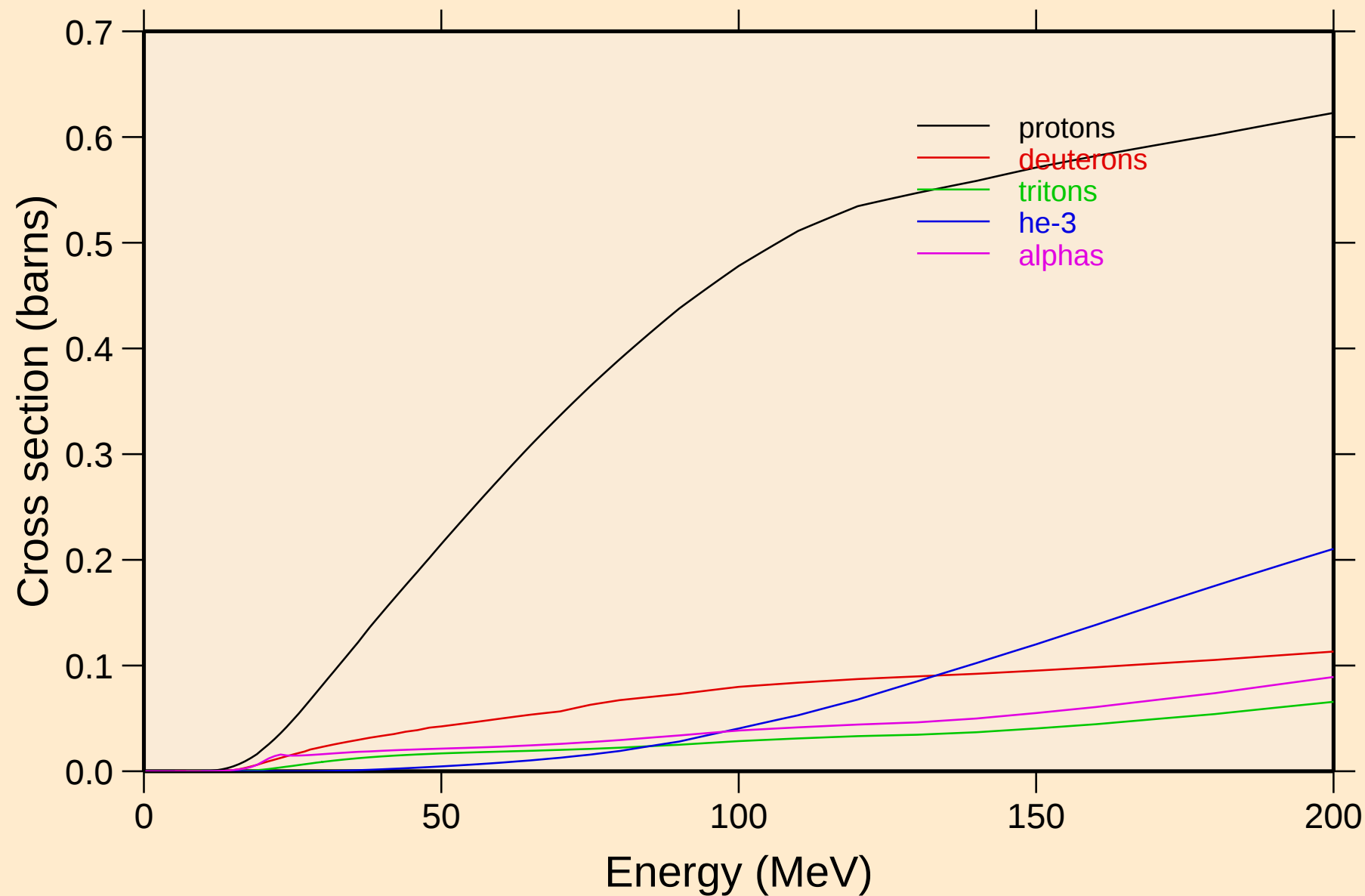
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## Recoil Heating

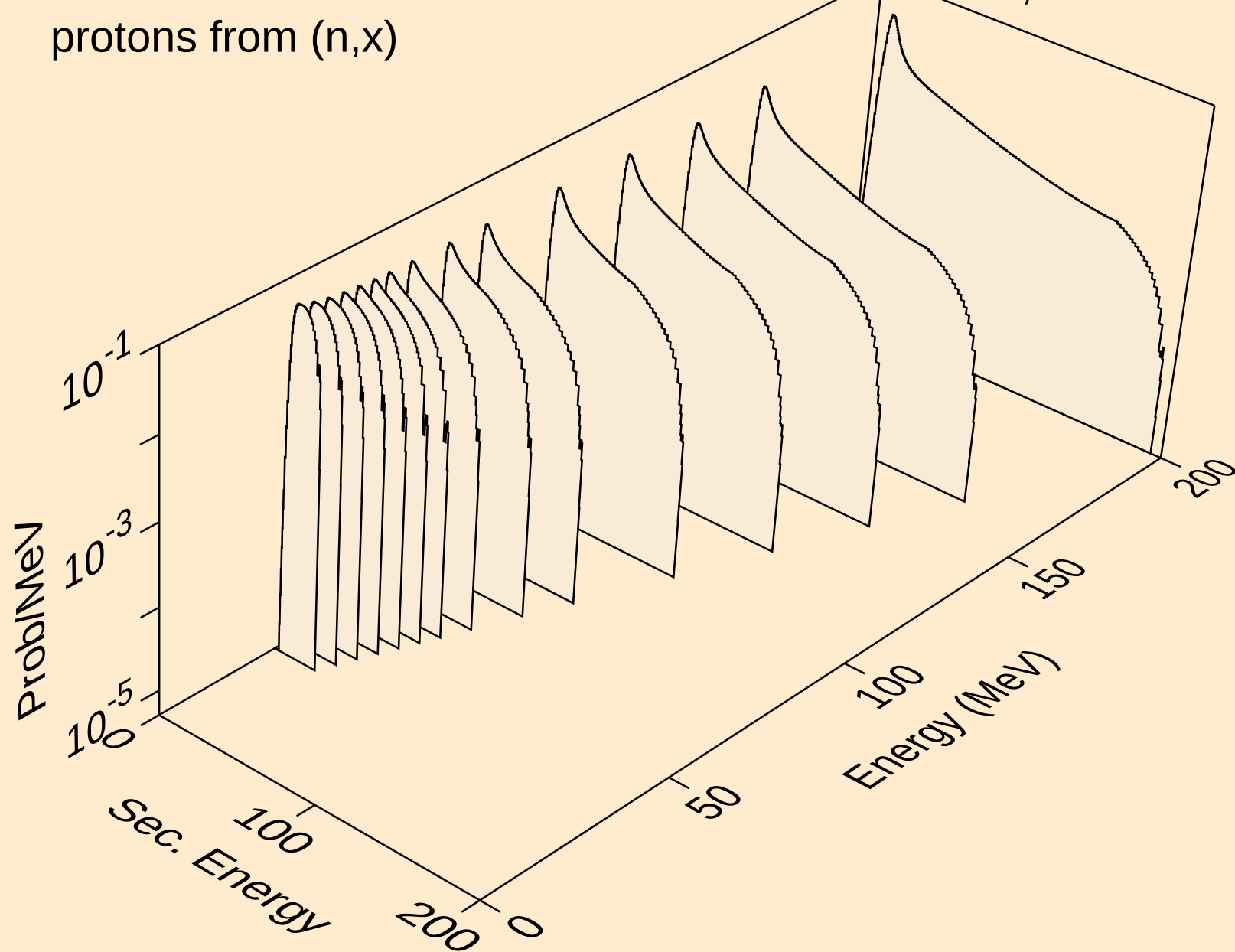


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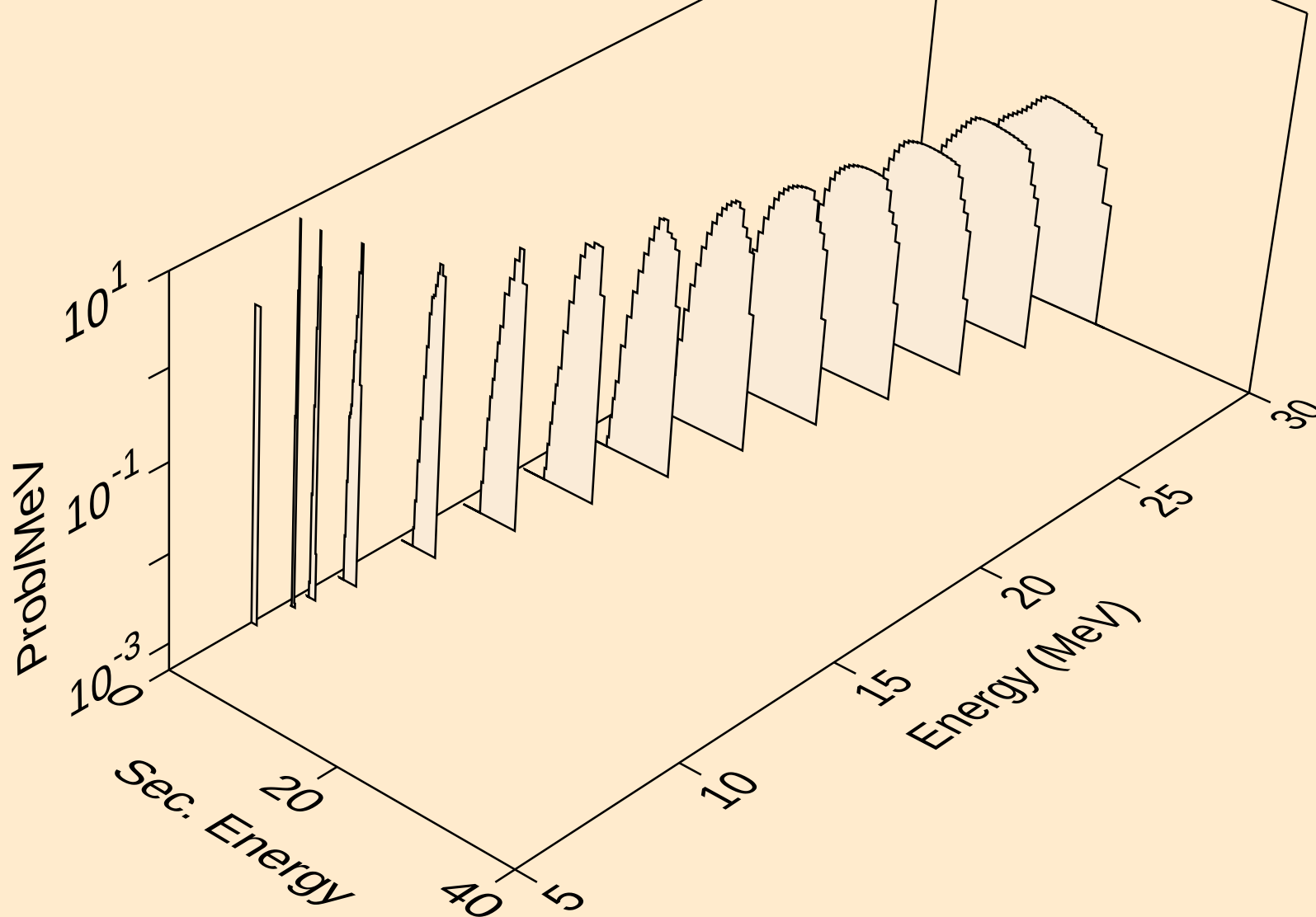
## Particle production cross sections



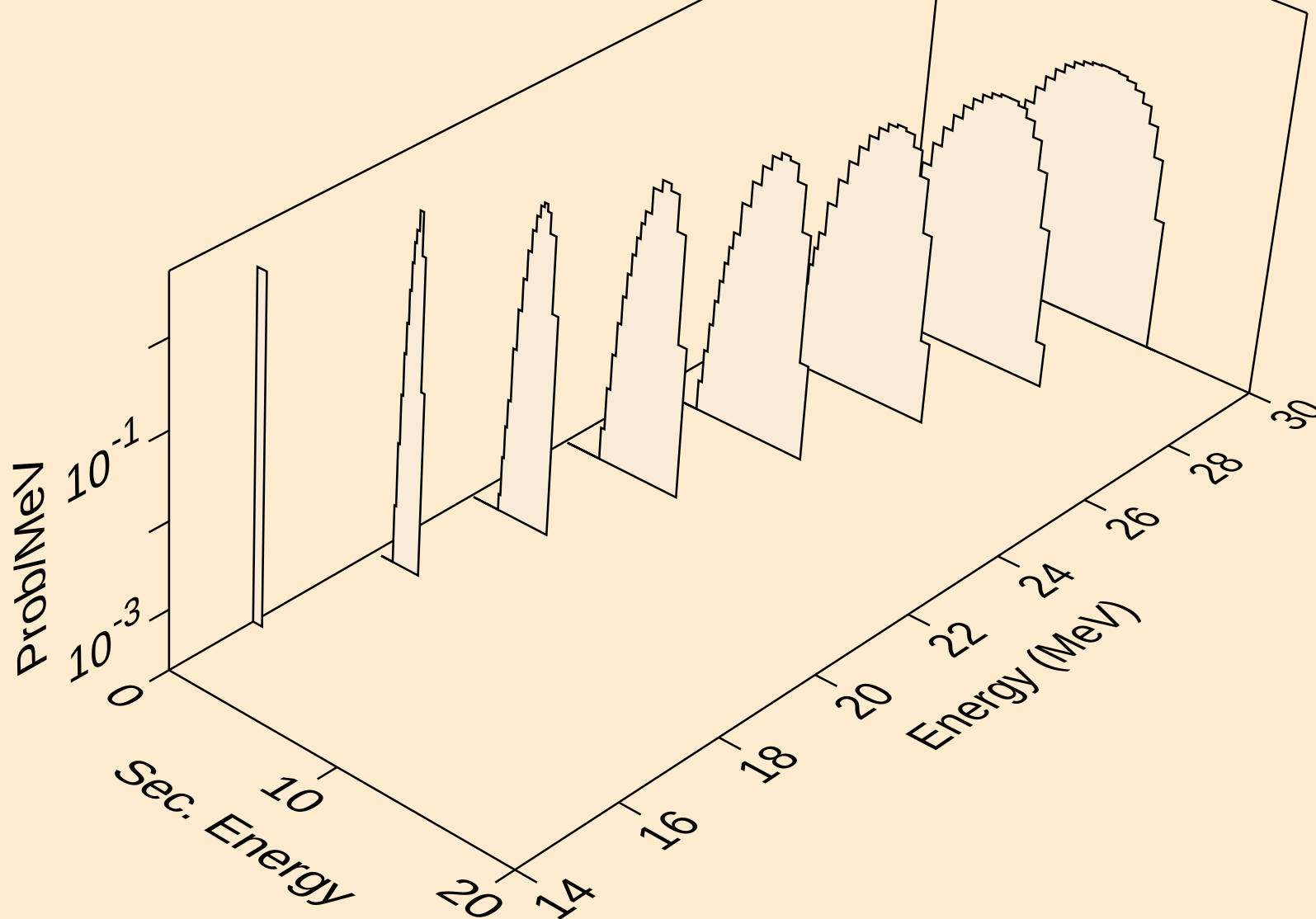
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



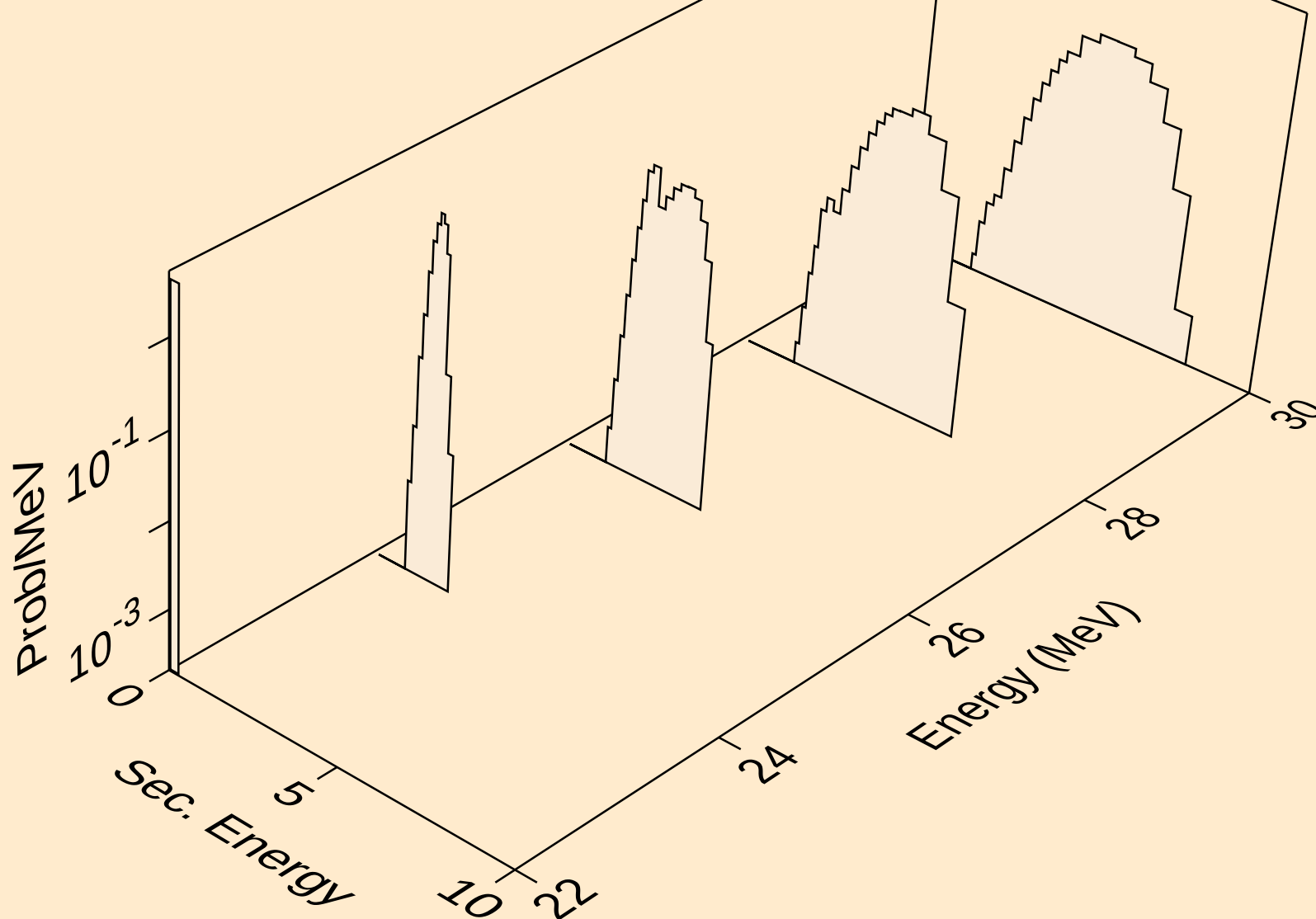
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



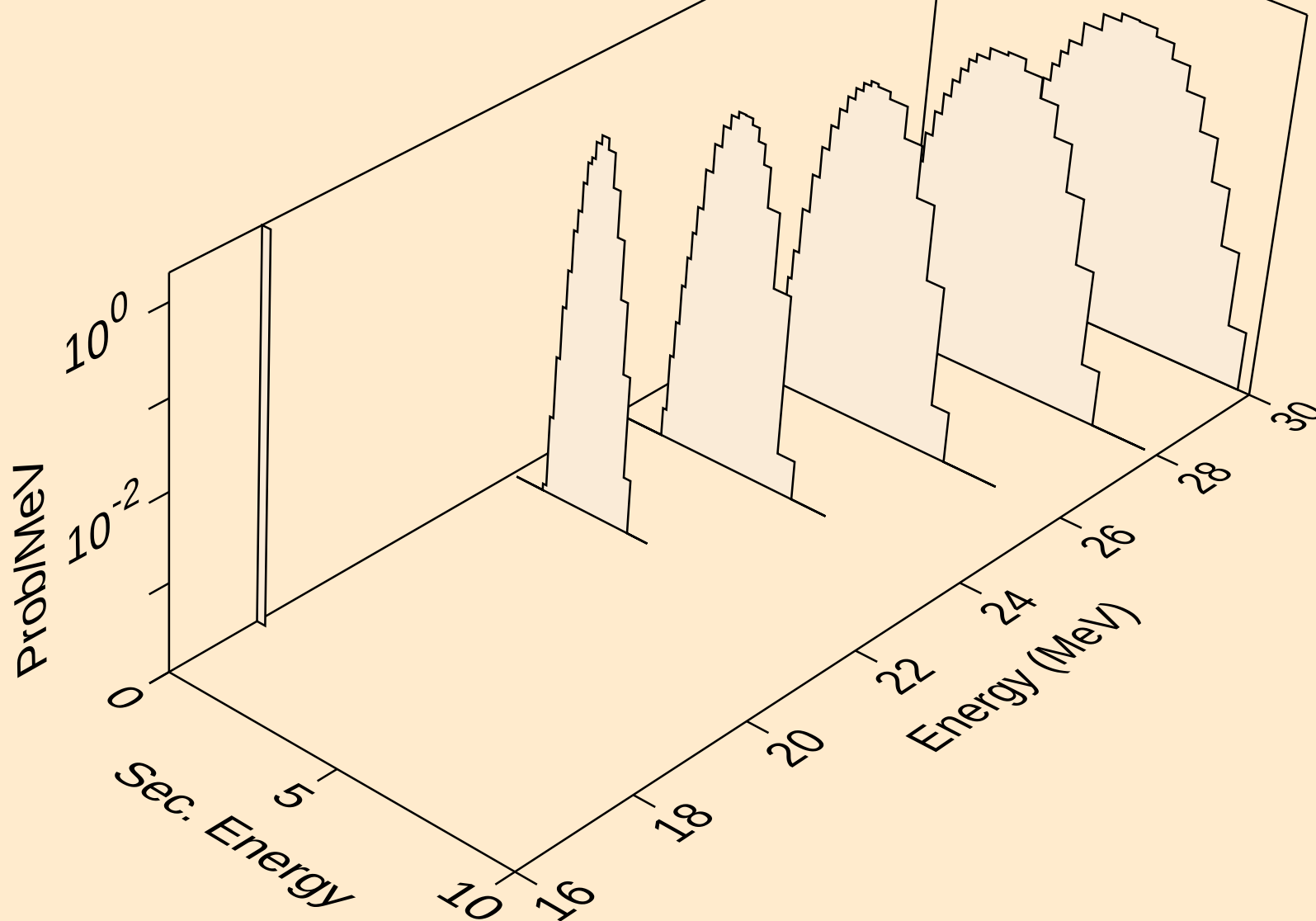
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protons from (n,2np)



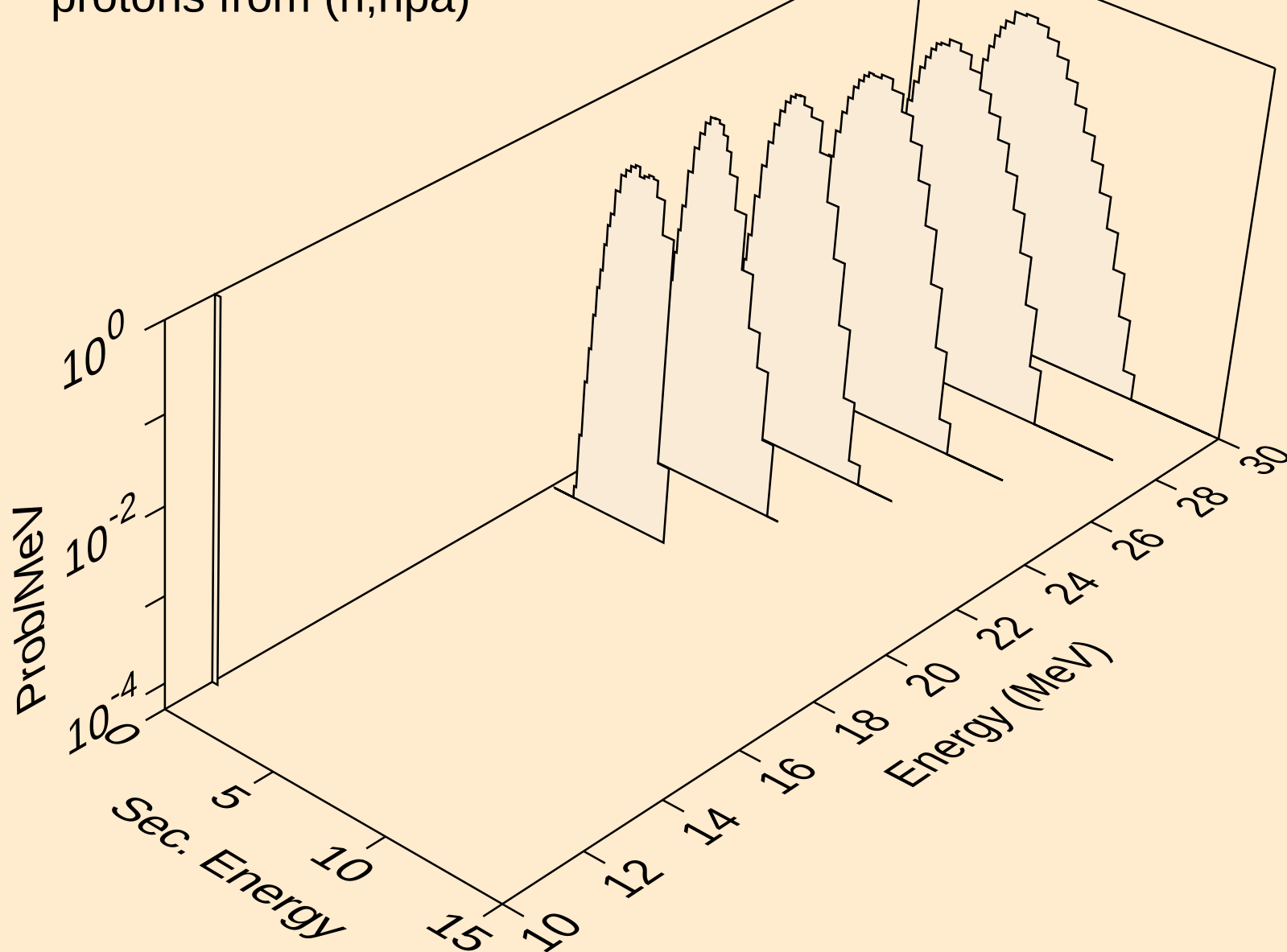
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protons from (n,3np)



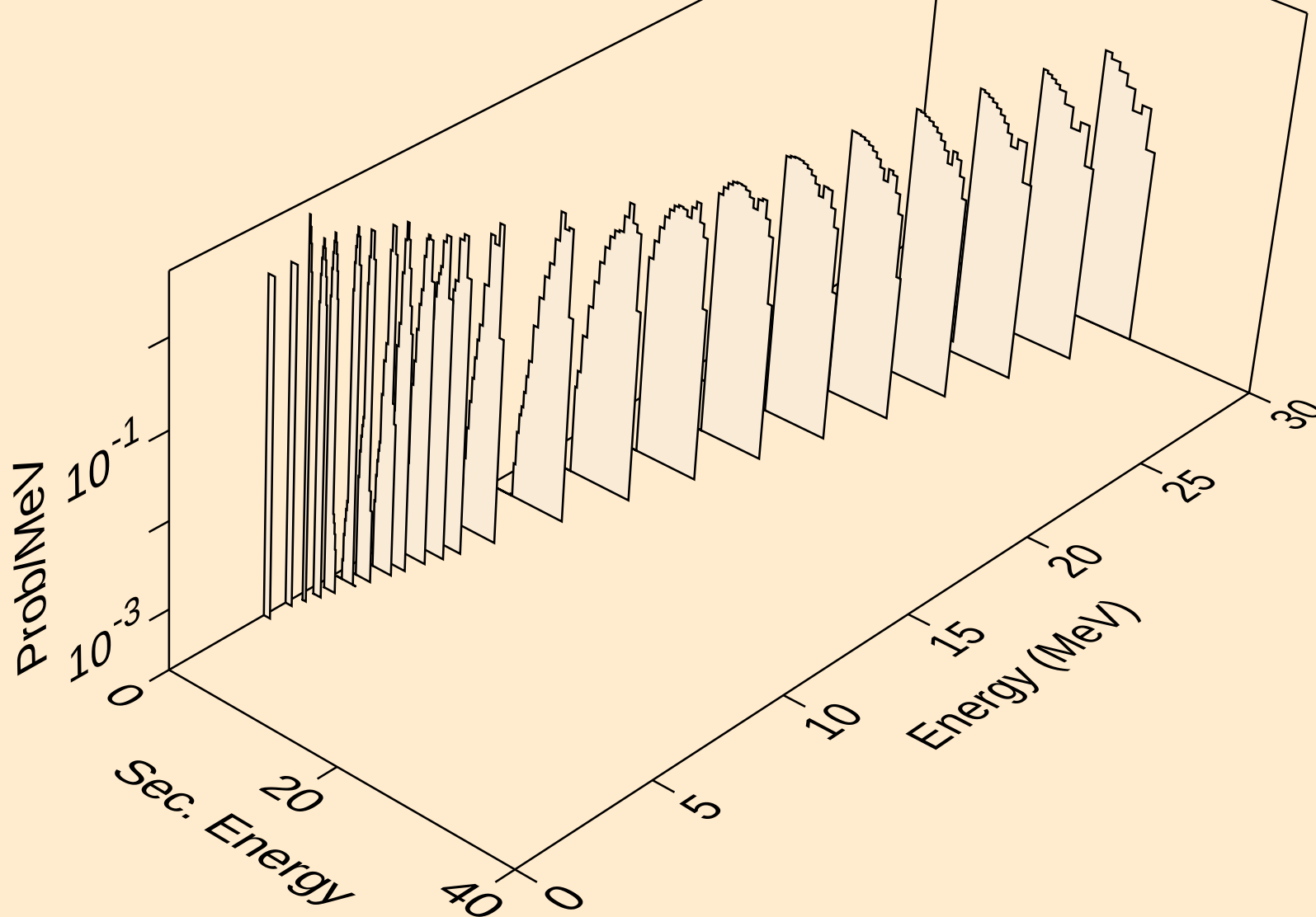
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protons from (n,n2p)



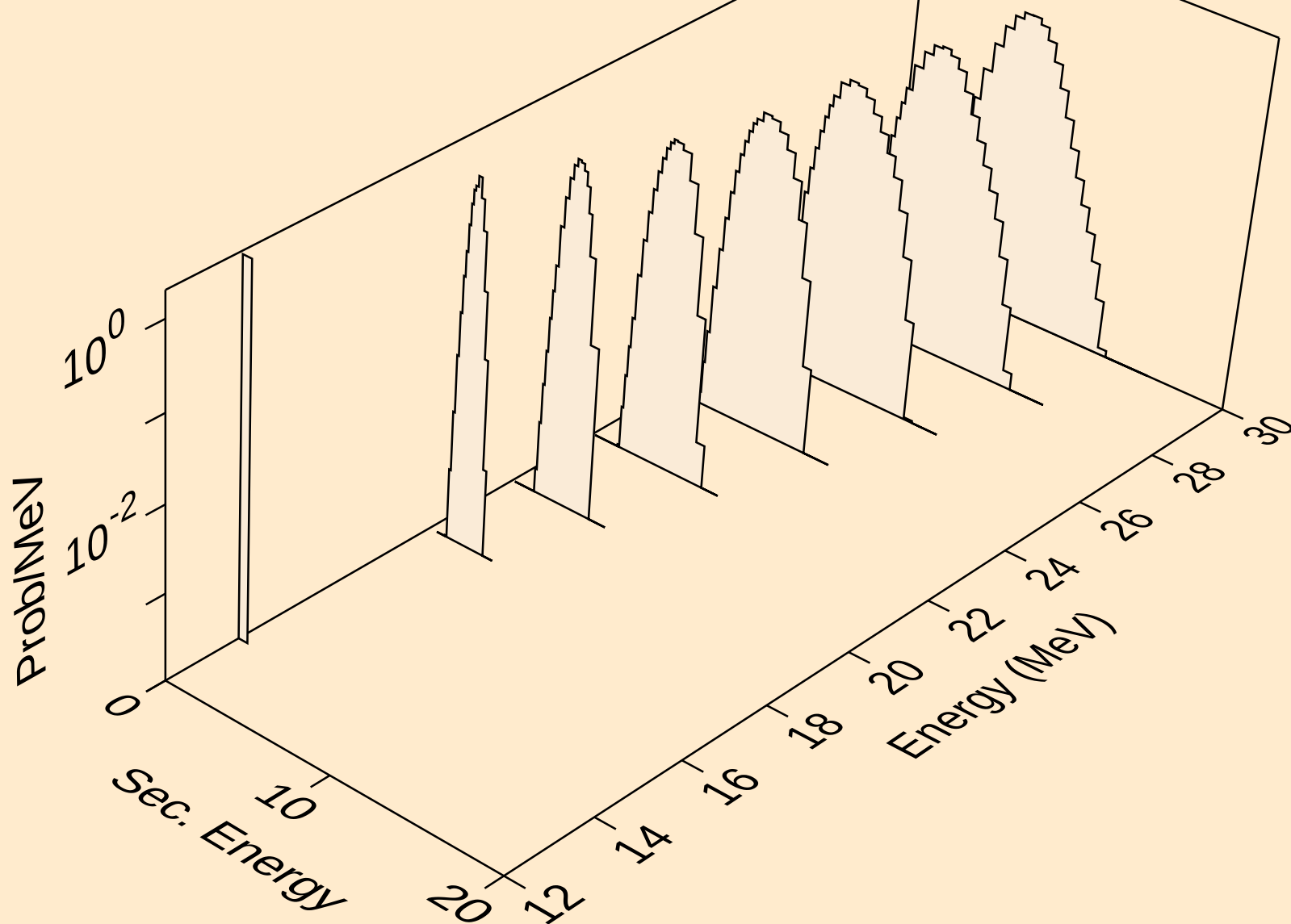
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protons from (n,npa)



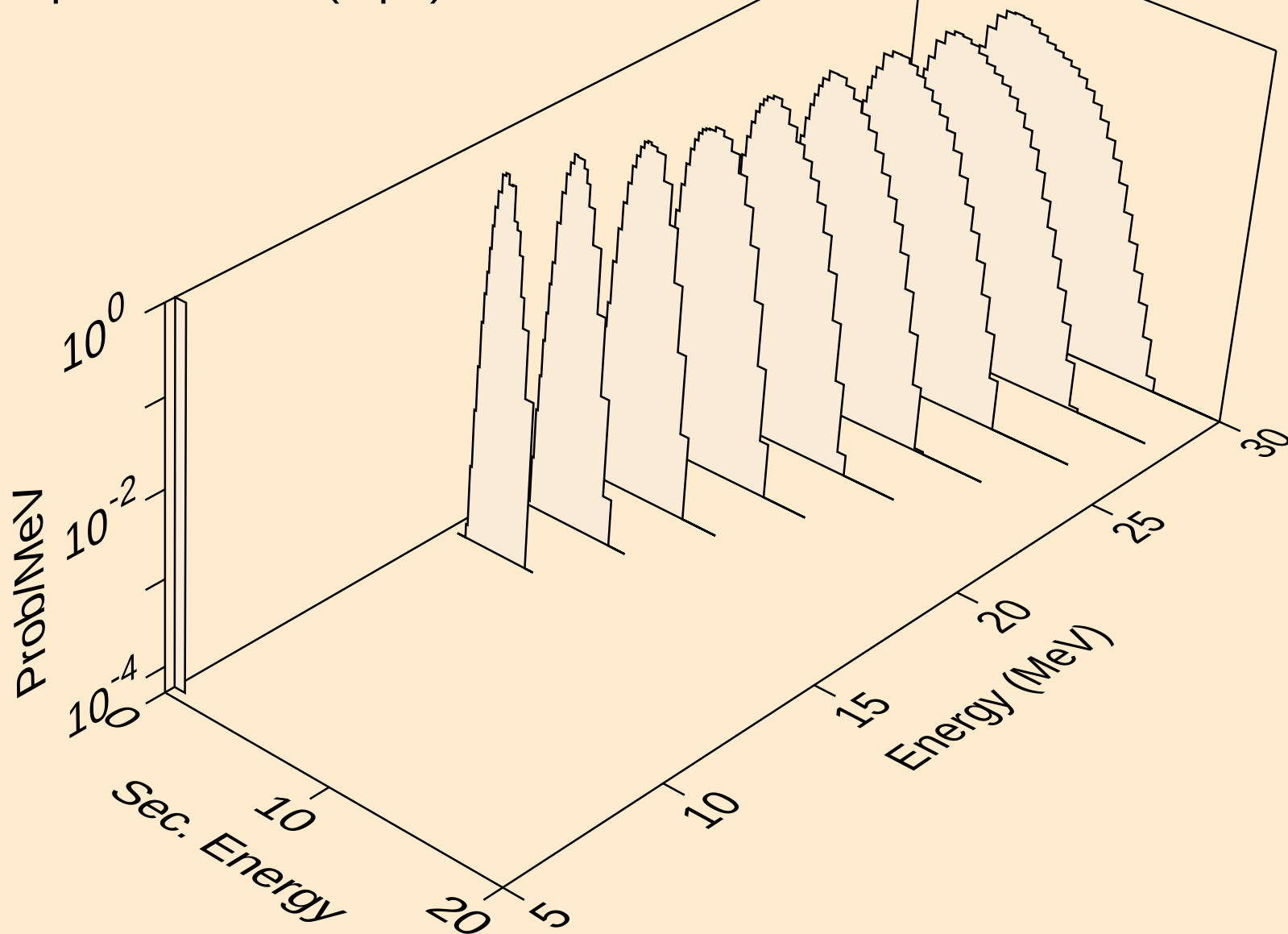
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protons from (n,p)



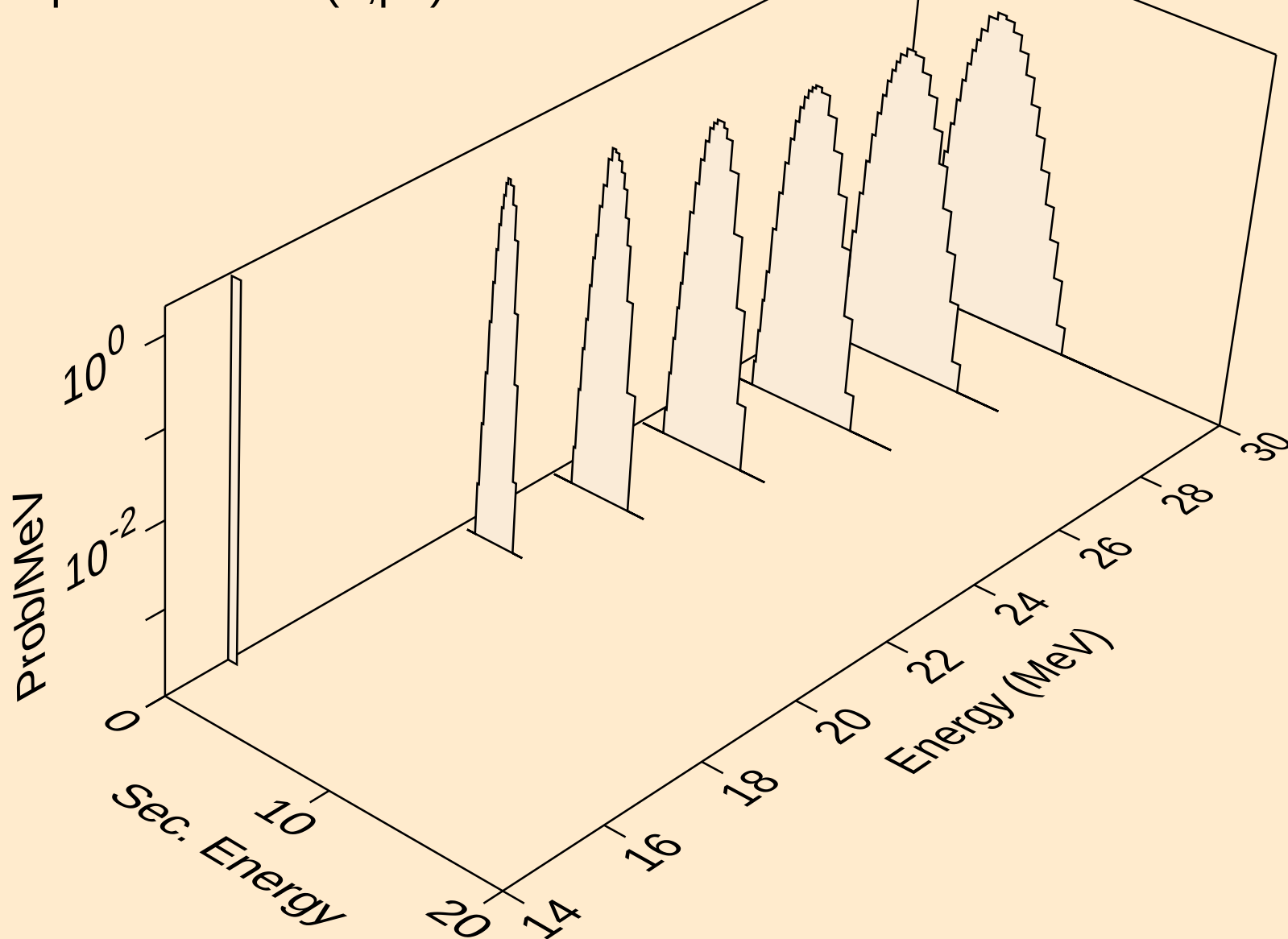
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protons from (n,2p)



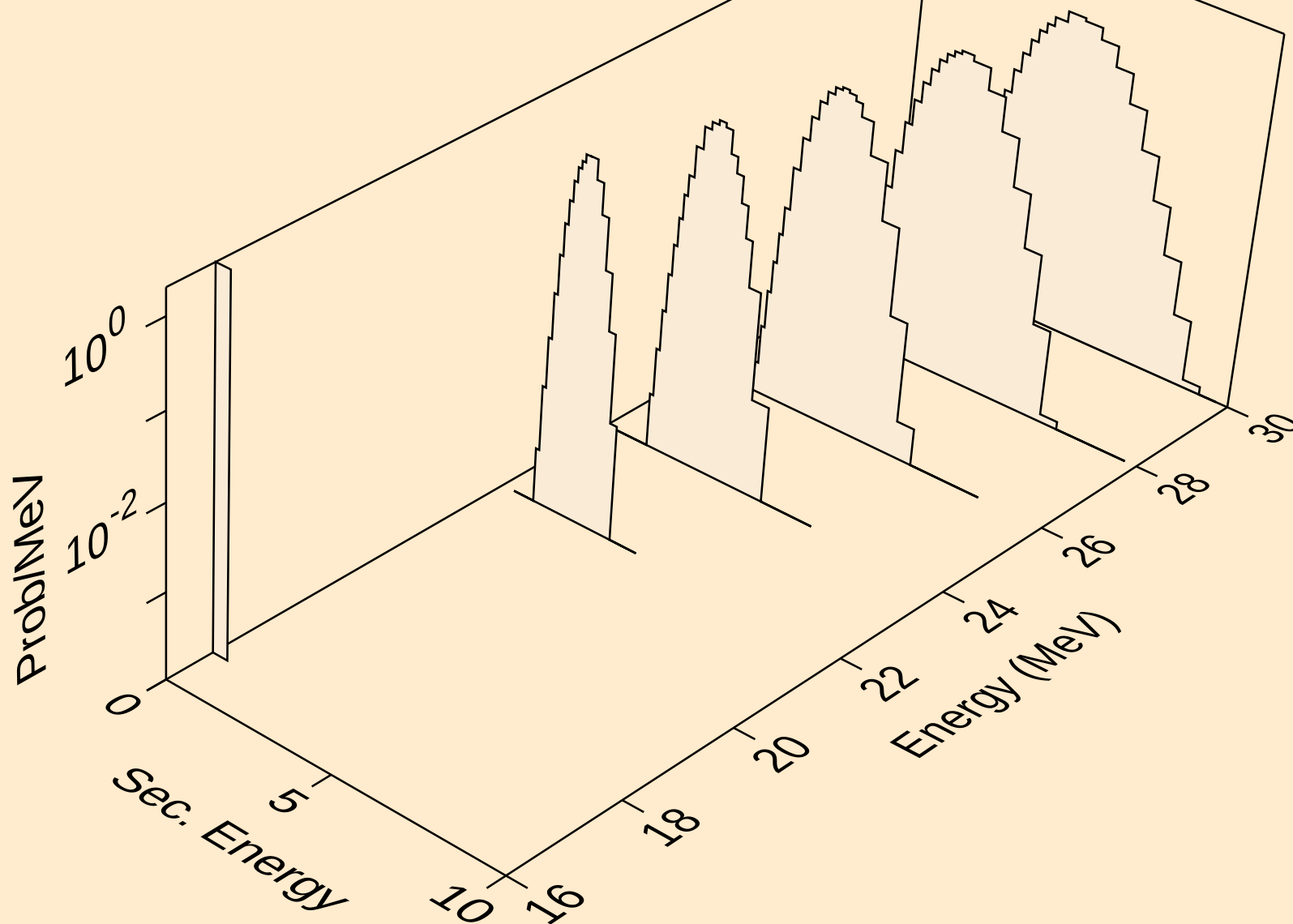
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protons from (n,p)



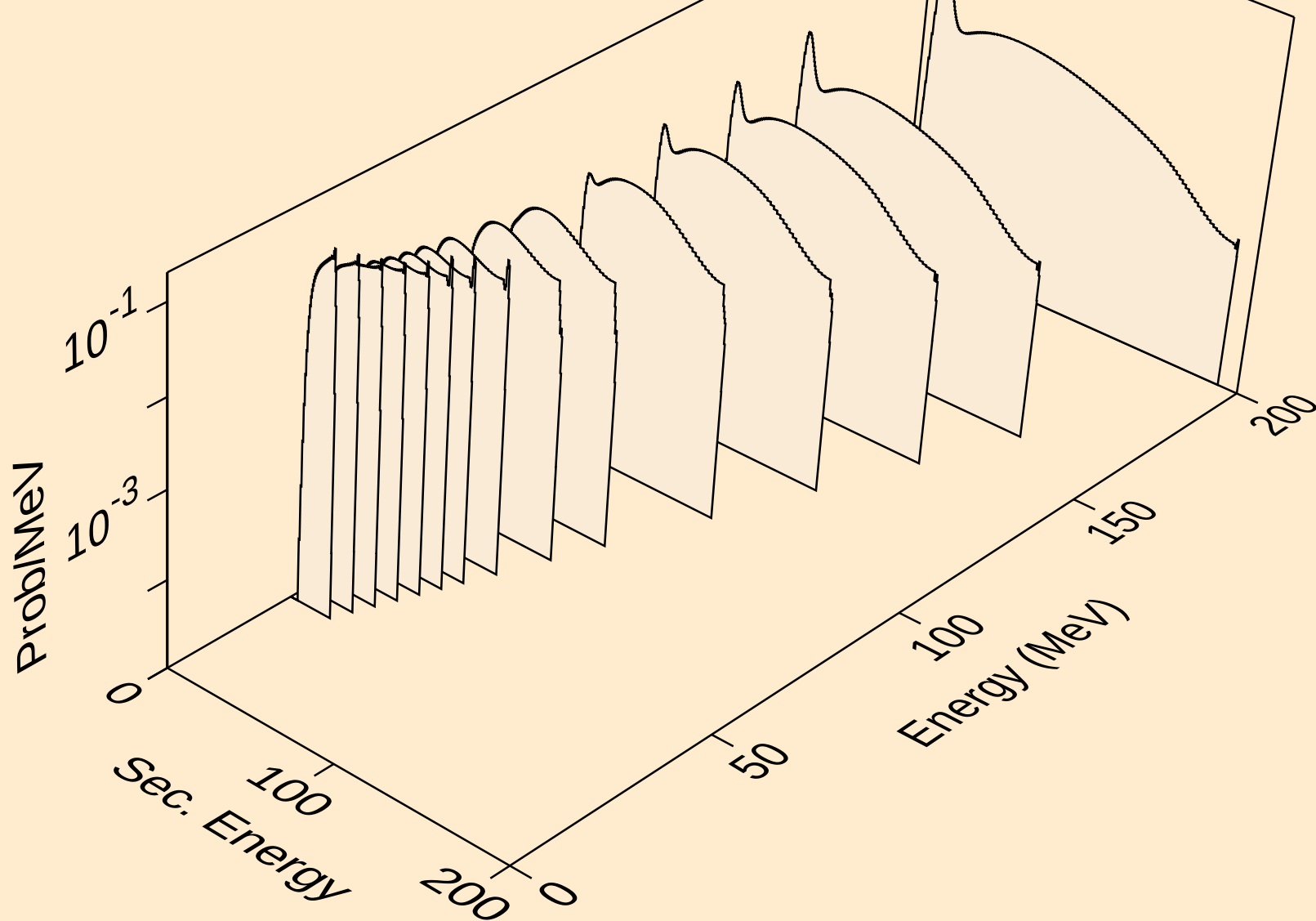
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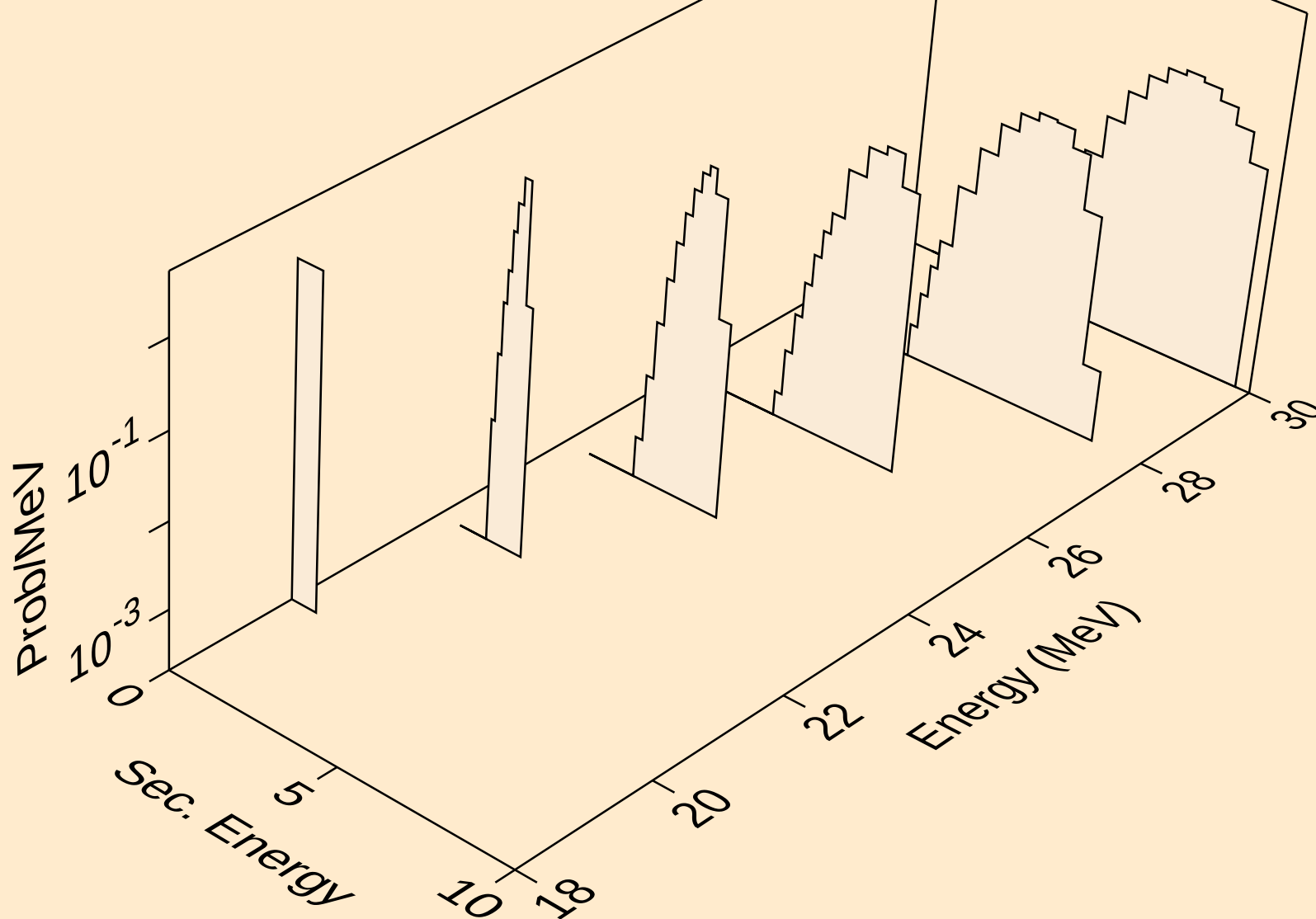
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protons from (n,pt)



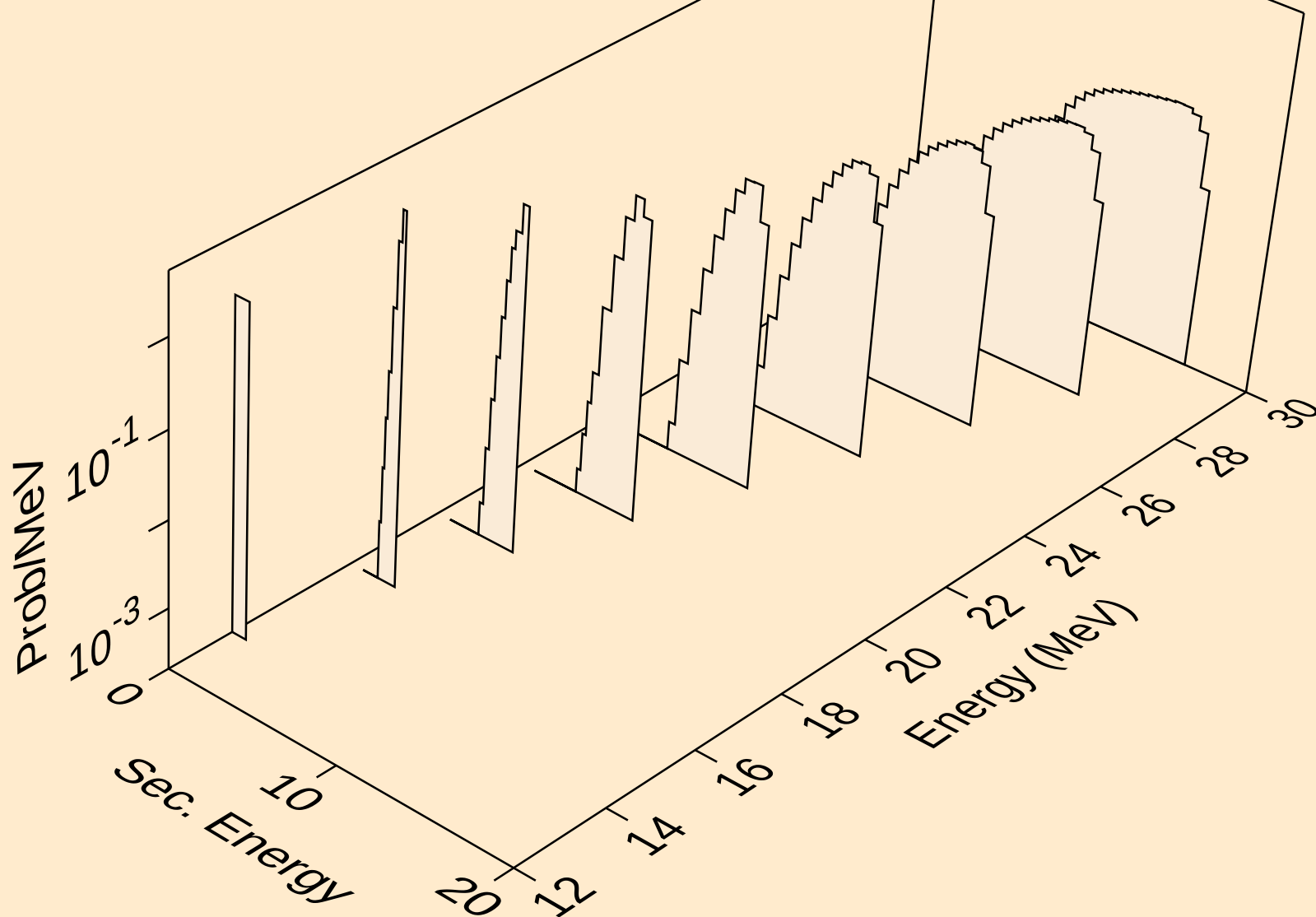
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deuterons from (n,x)



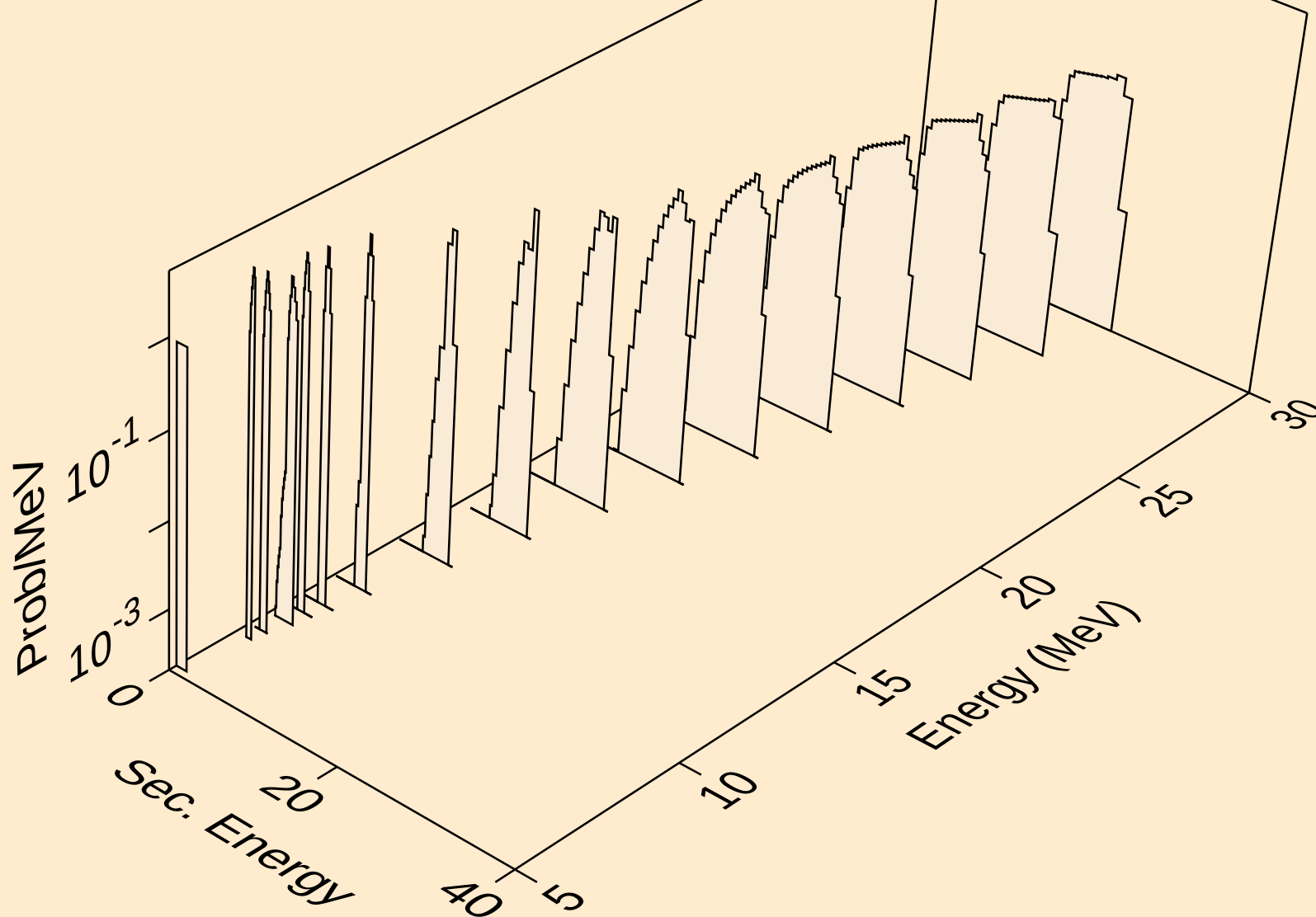
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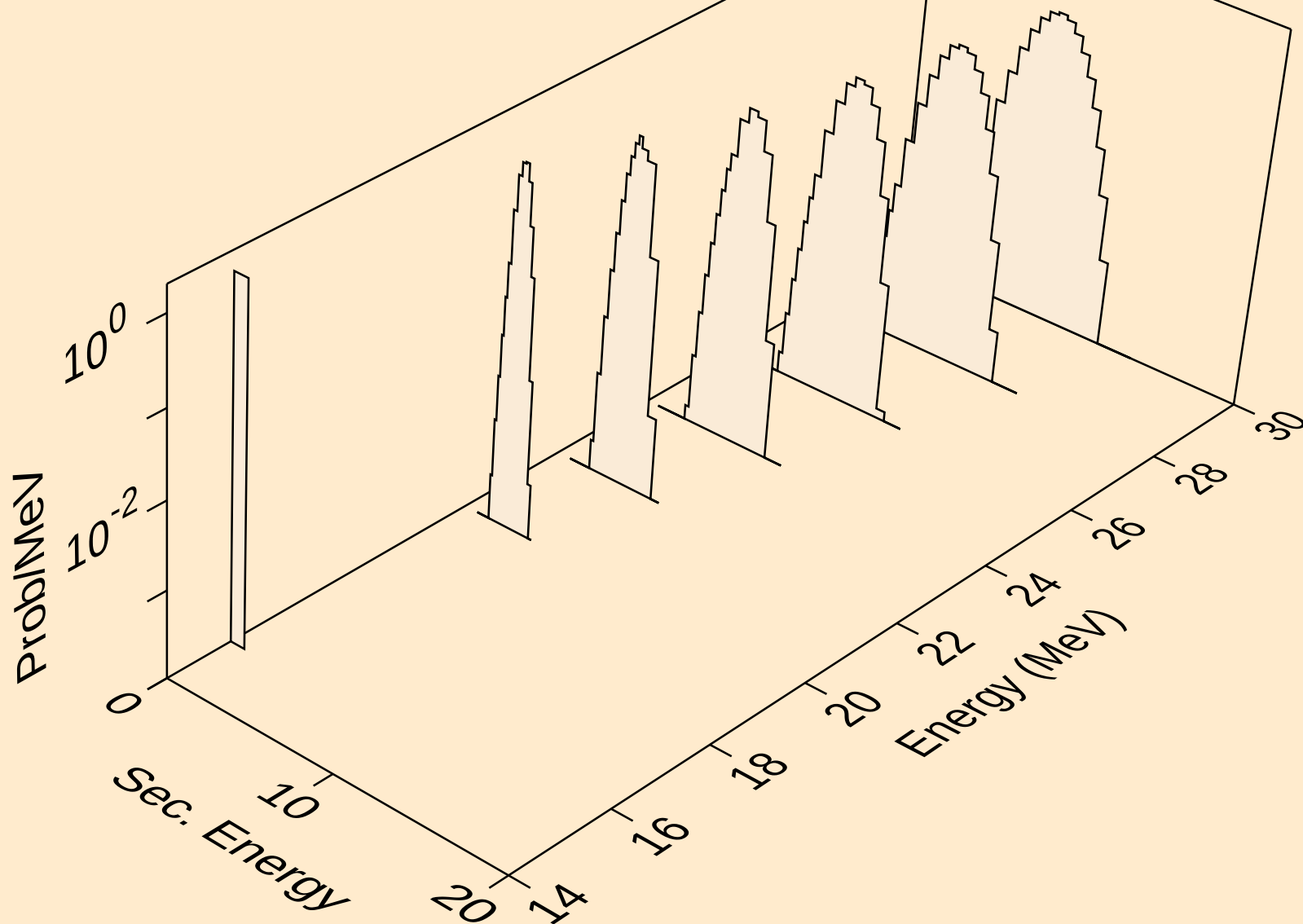
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deuterons from (n,n\*)d



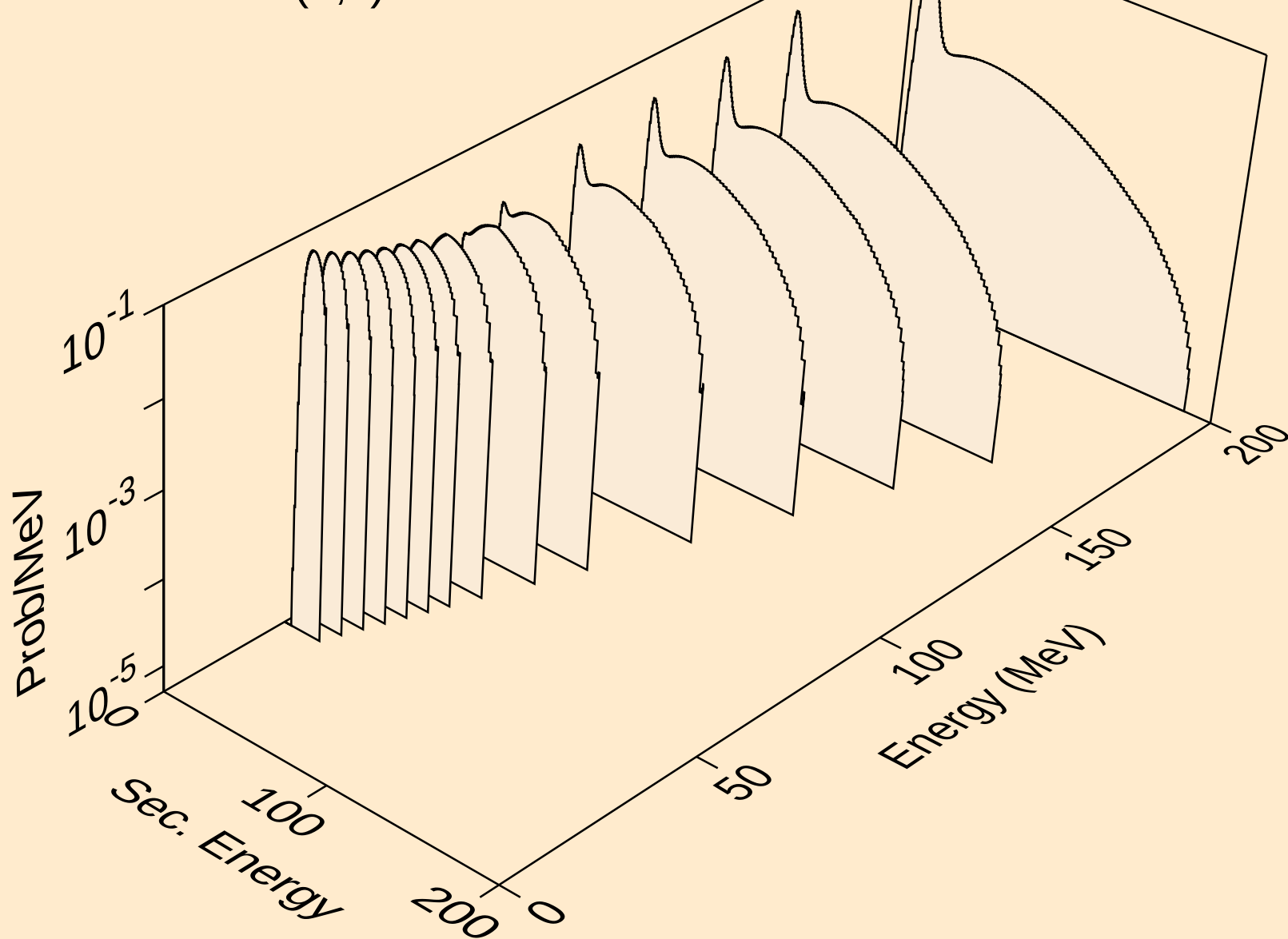
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deuterons from (n,d)



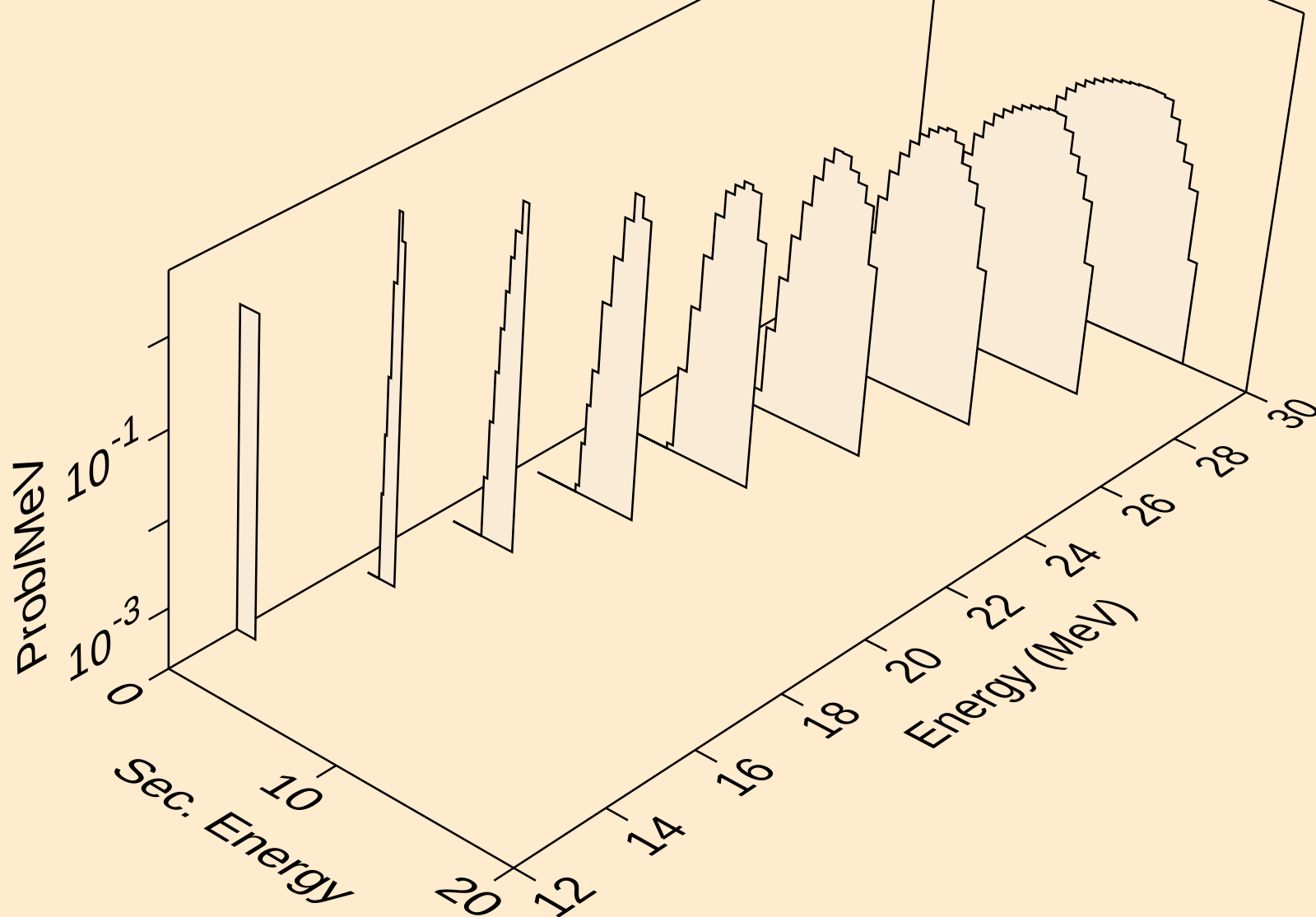
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deuterons from (n,pd)



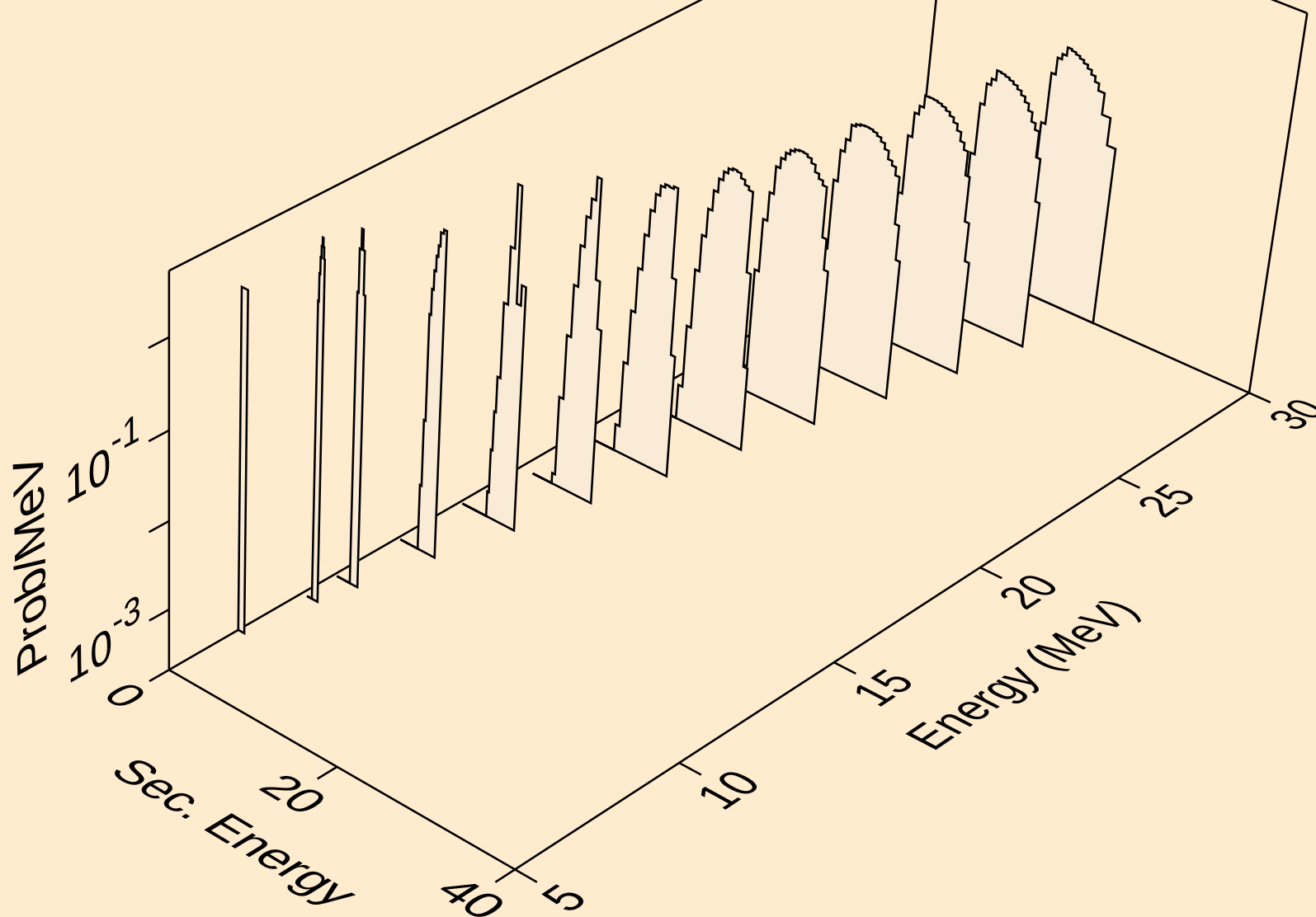
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tritons from (n,x)



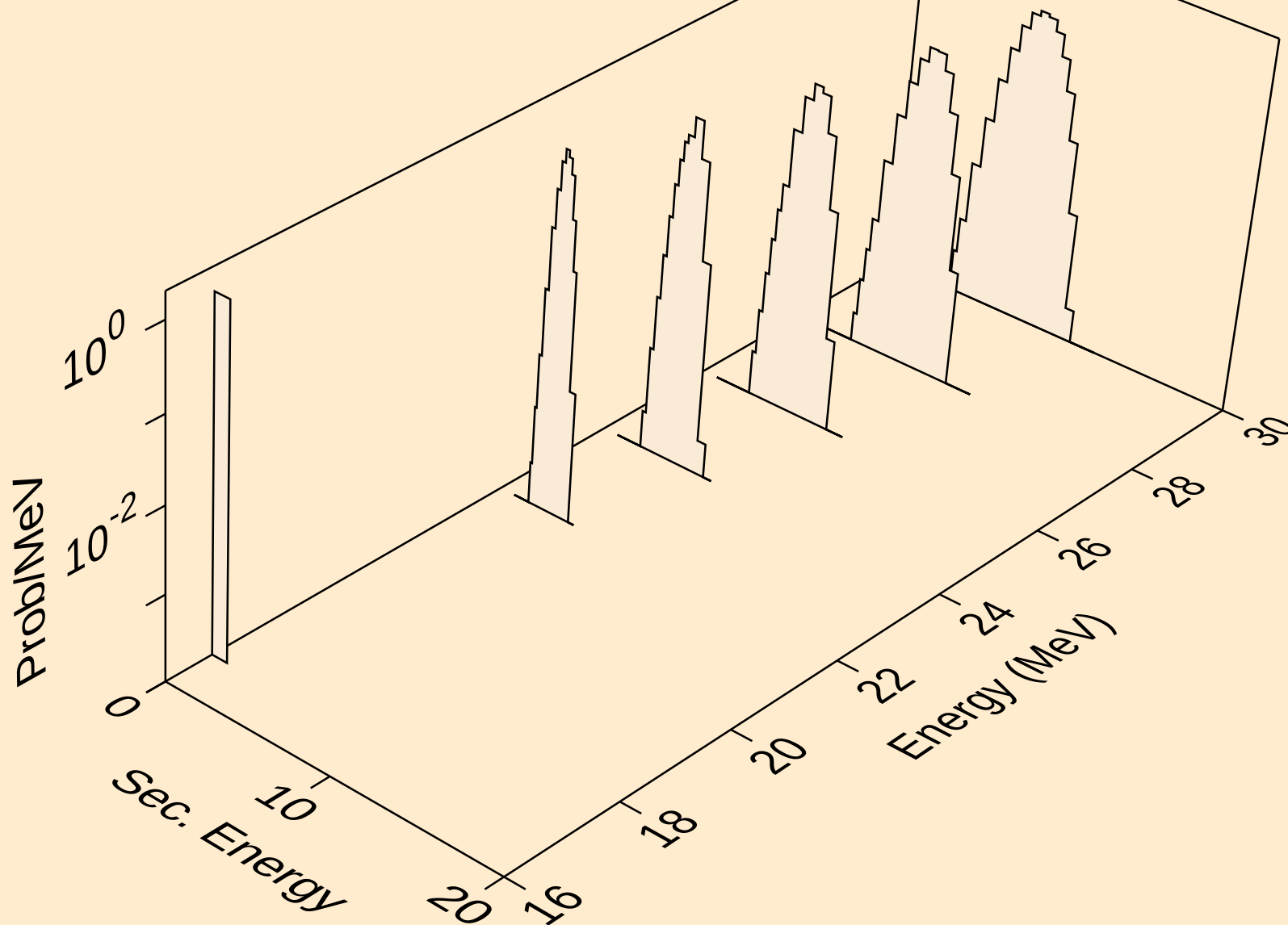
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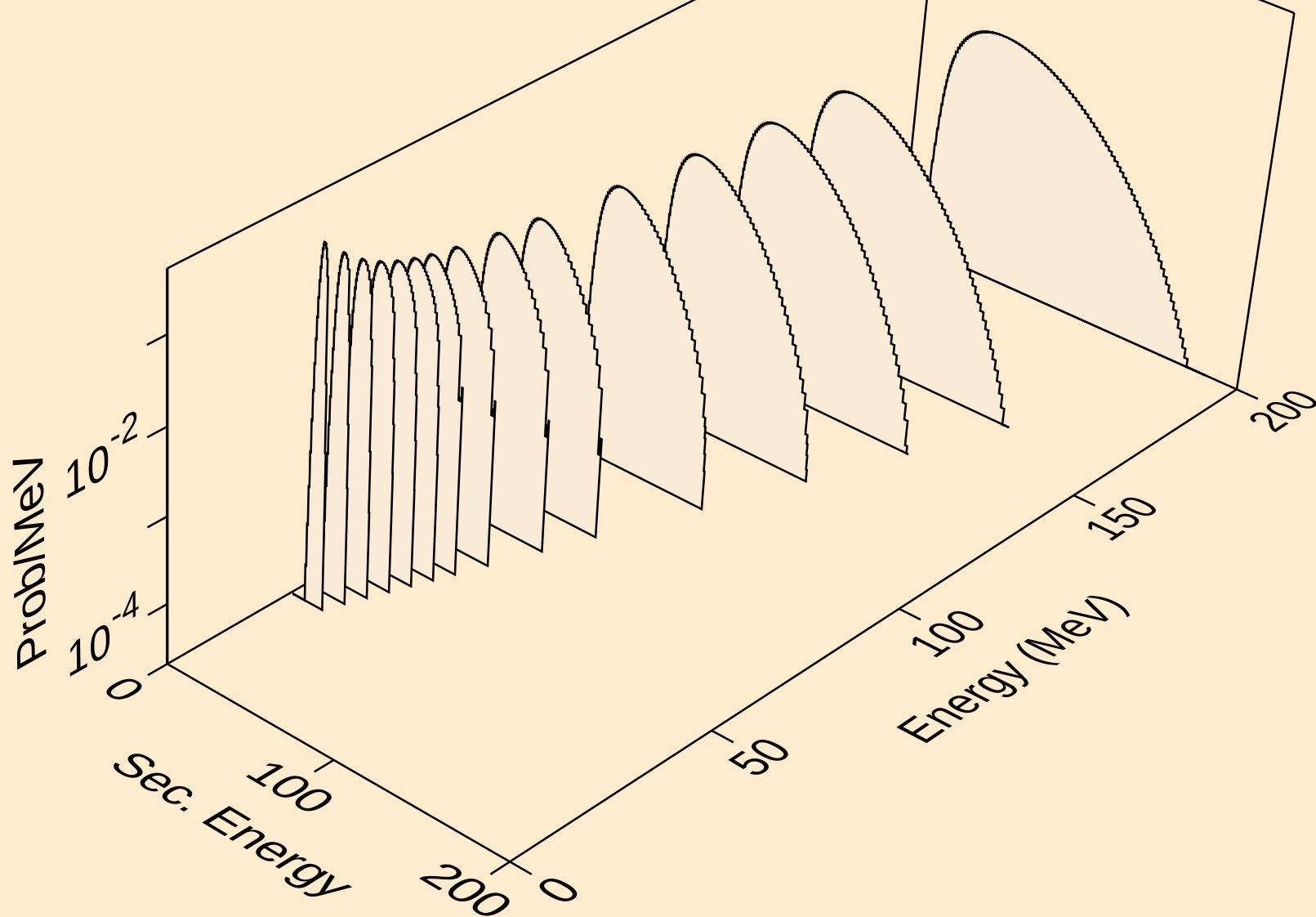
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tritons from (n,t)



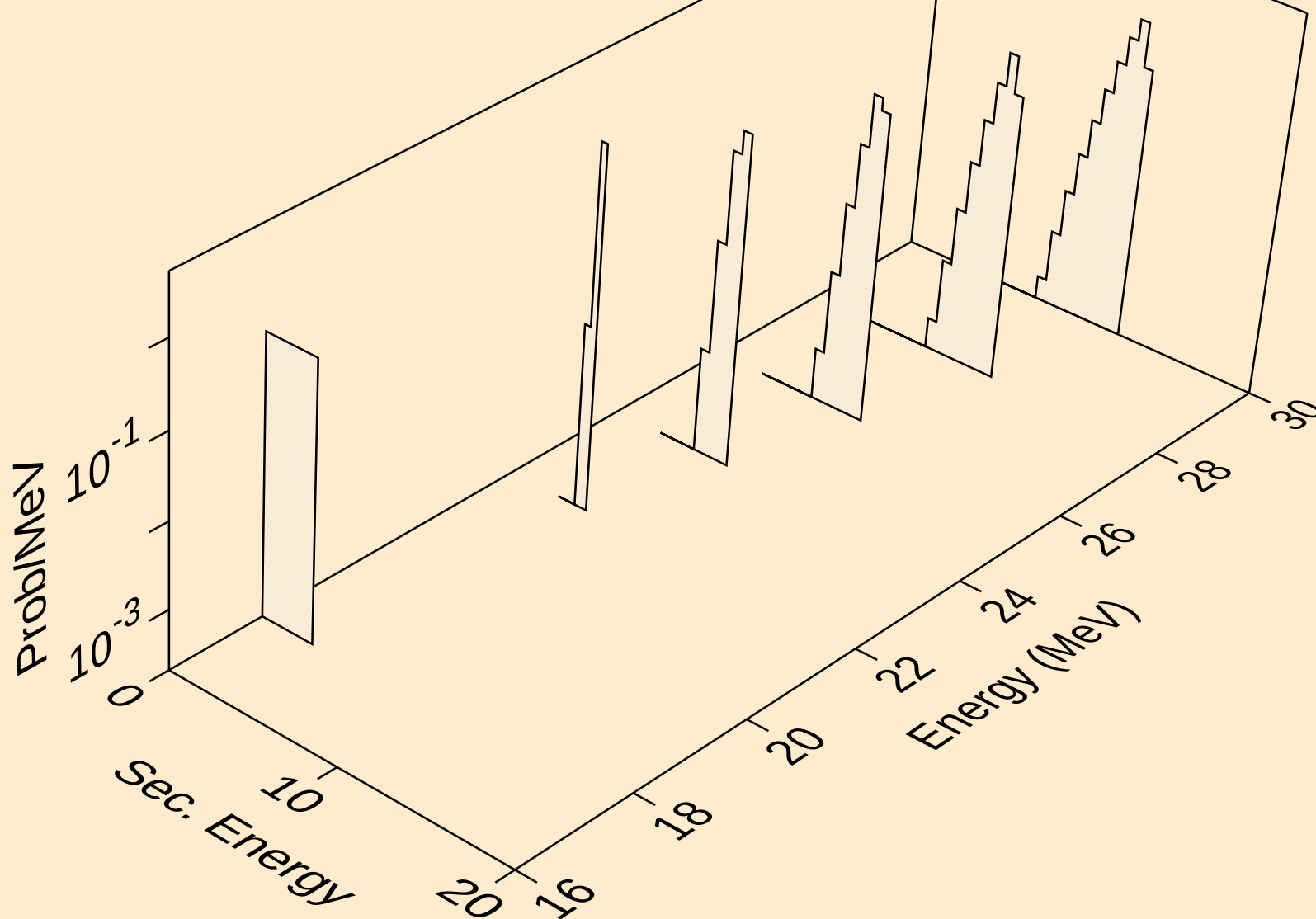
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



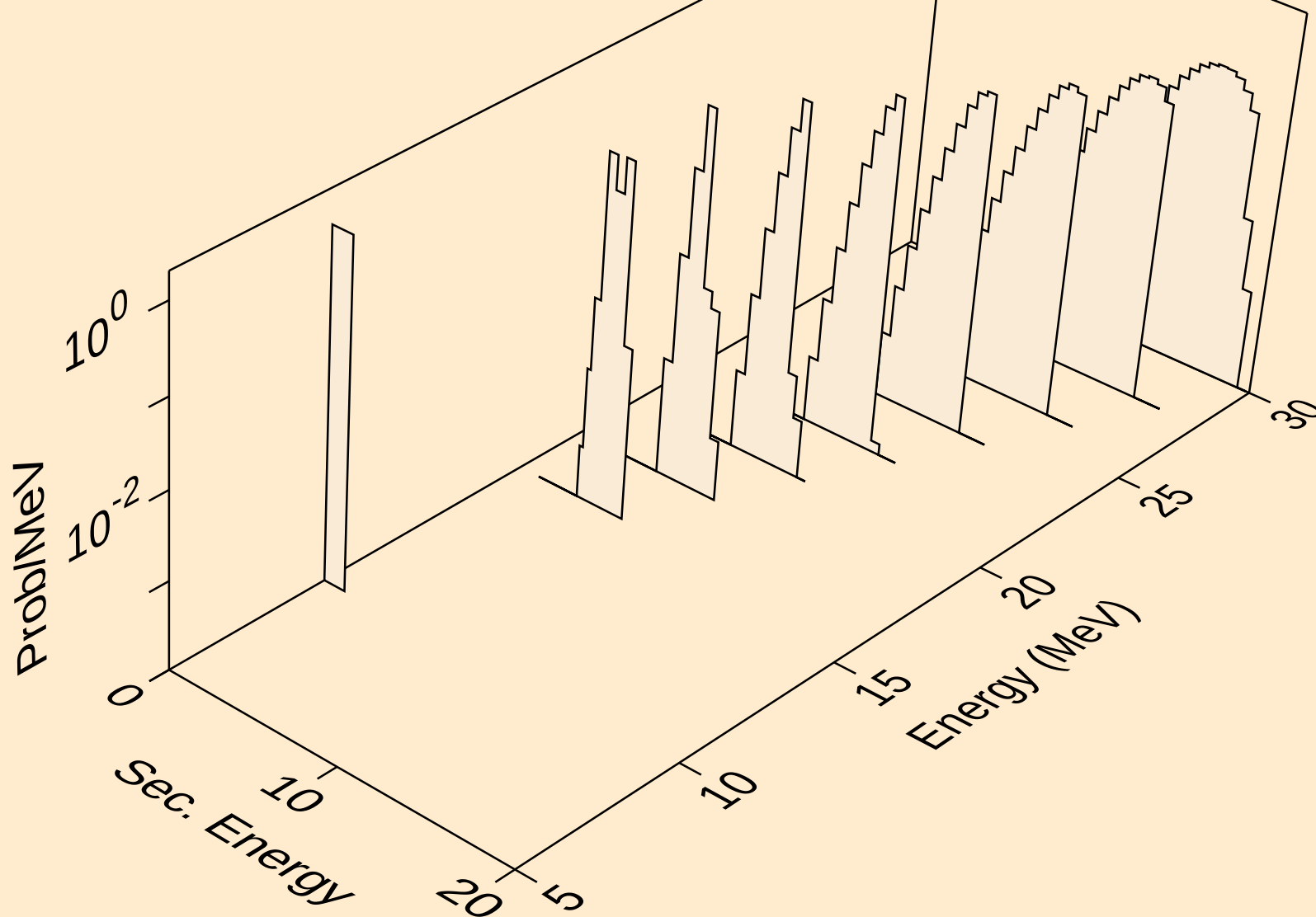
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he3s from (n,x)



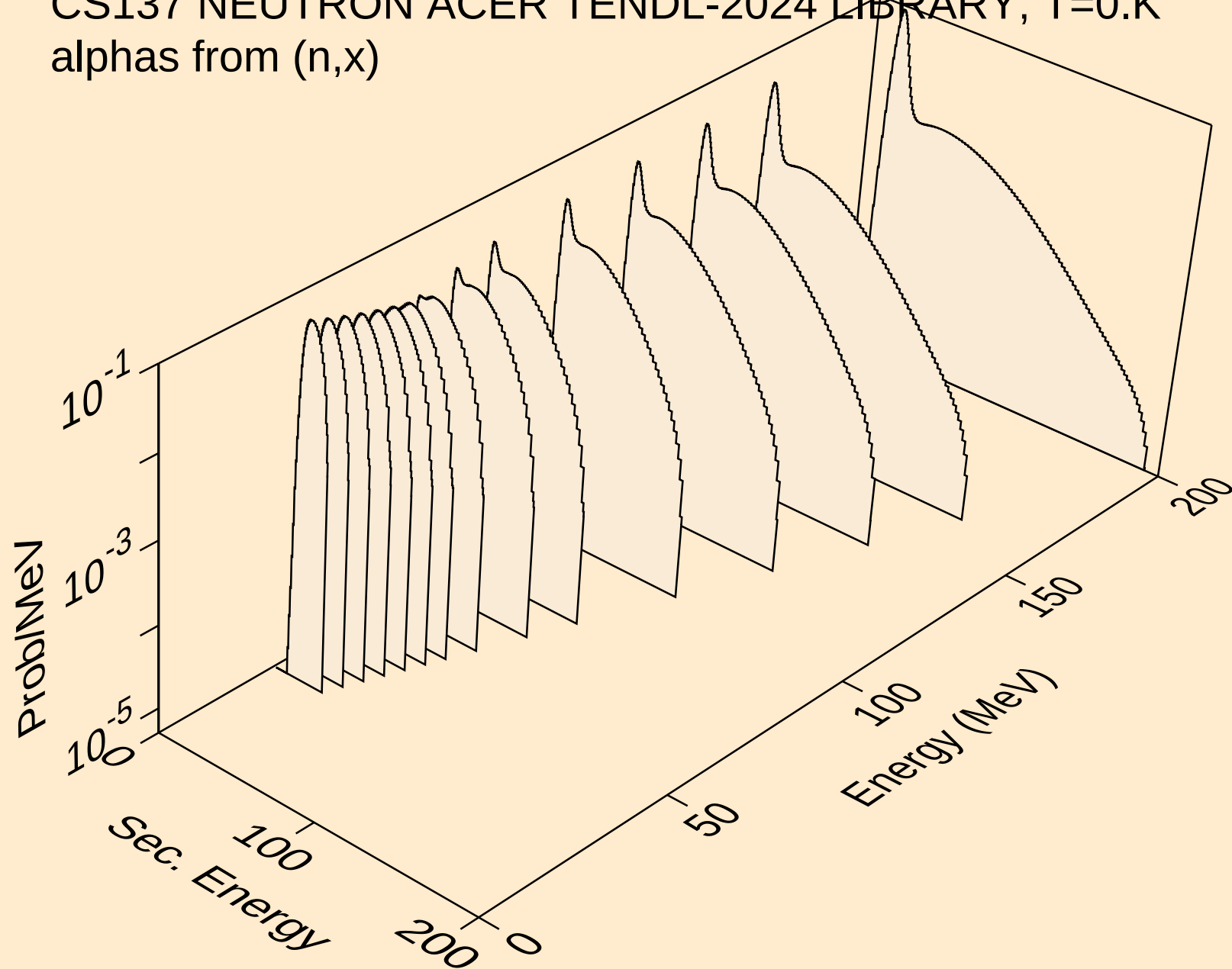
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he3s from (n,n\*)he3



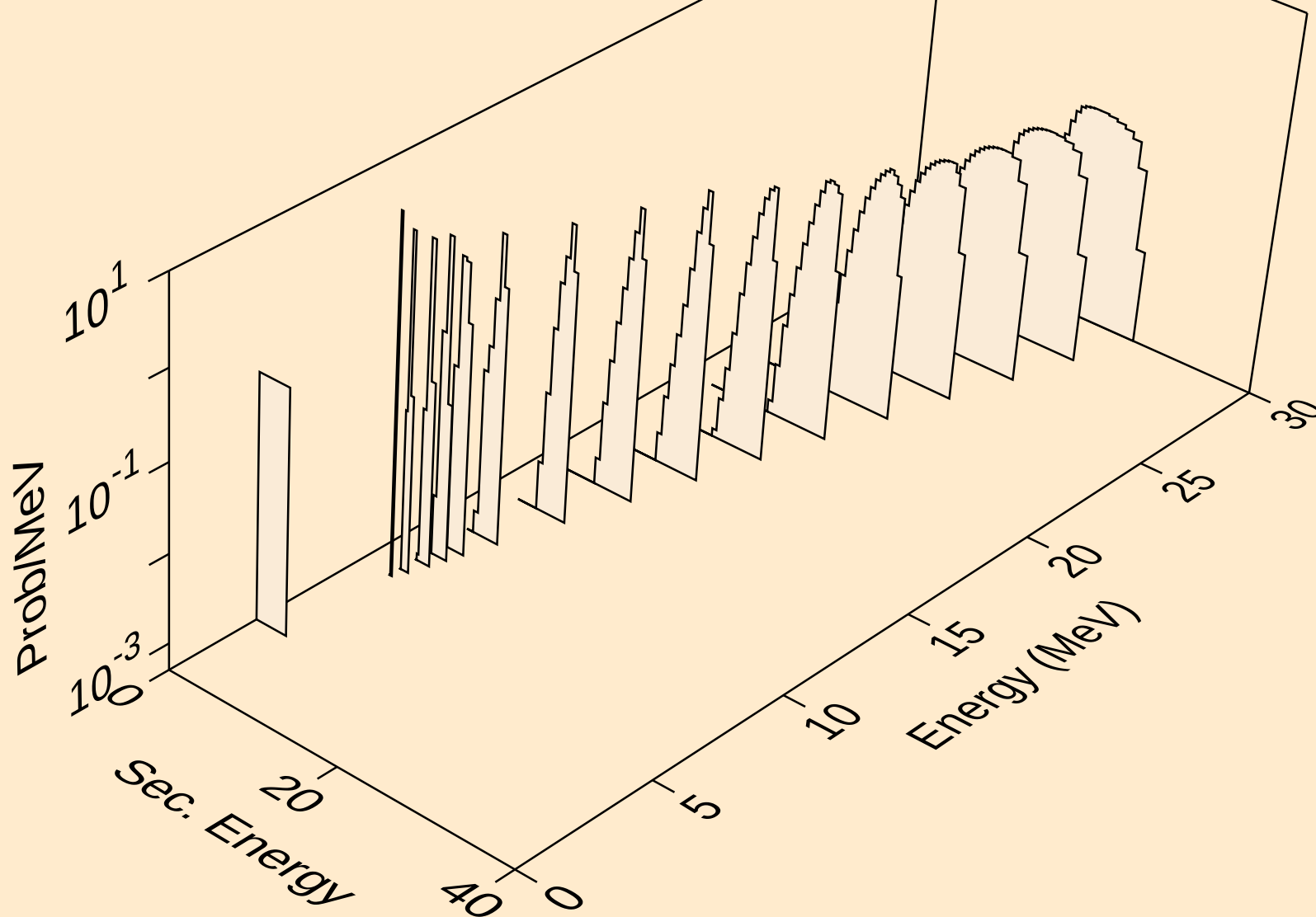
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he3s from (n,he3)



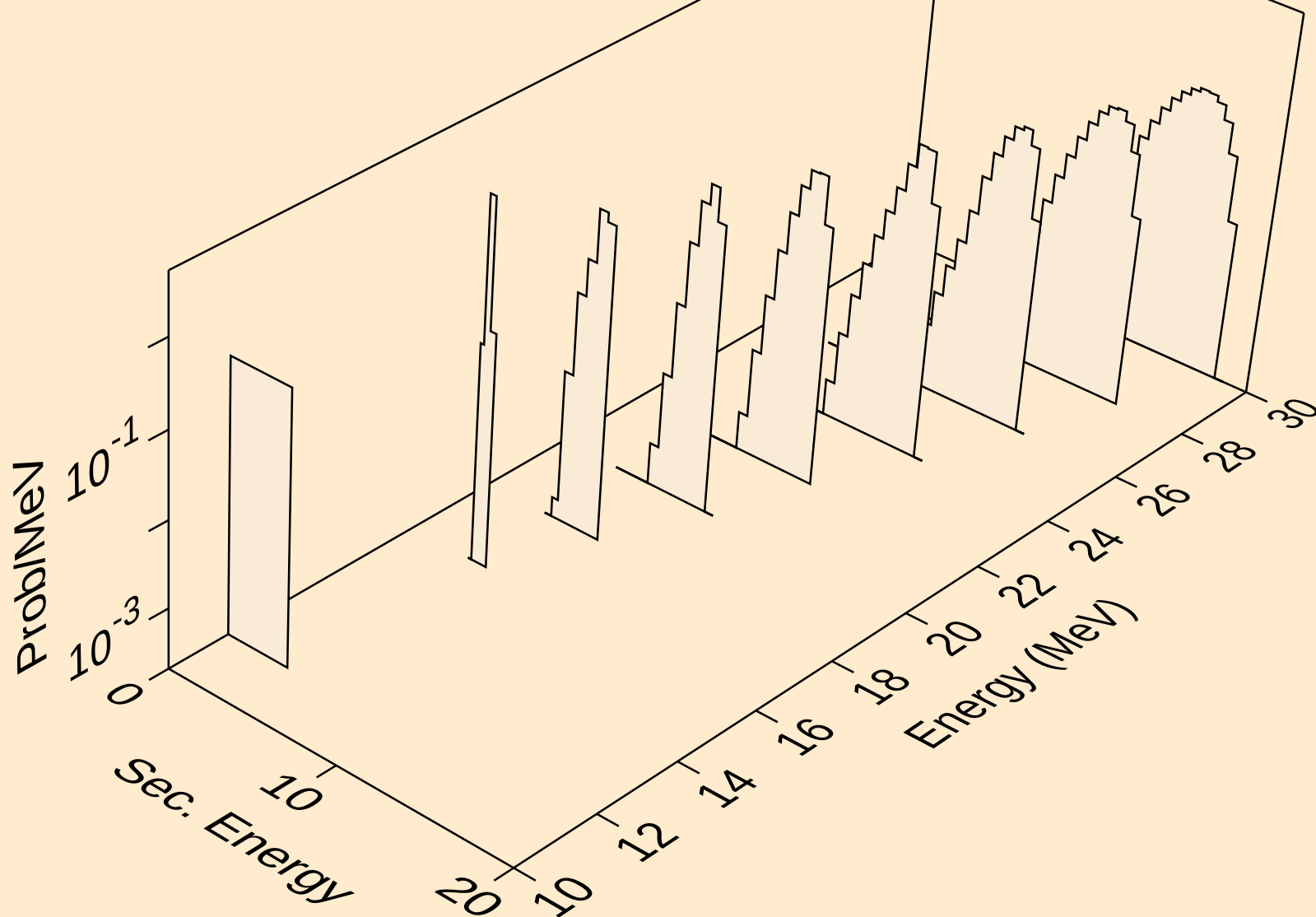
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



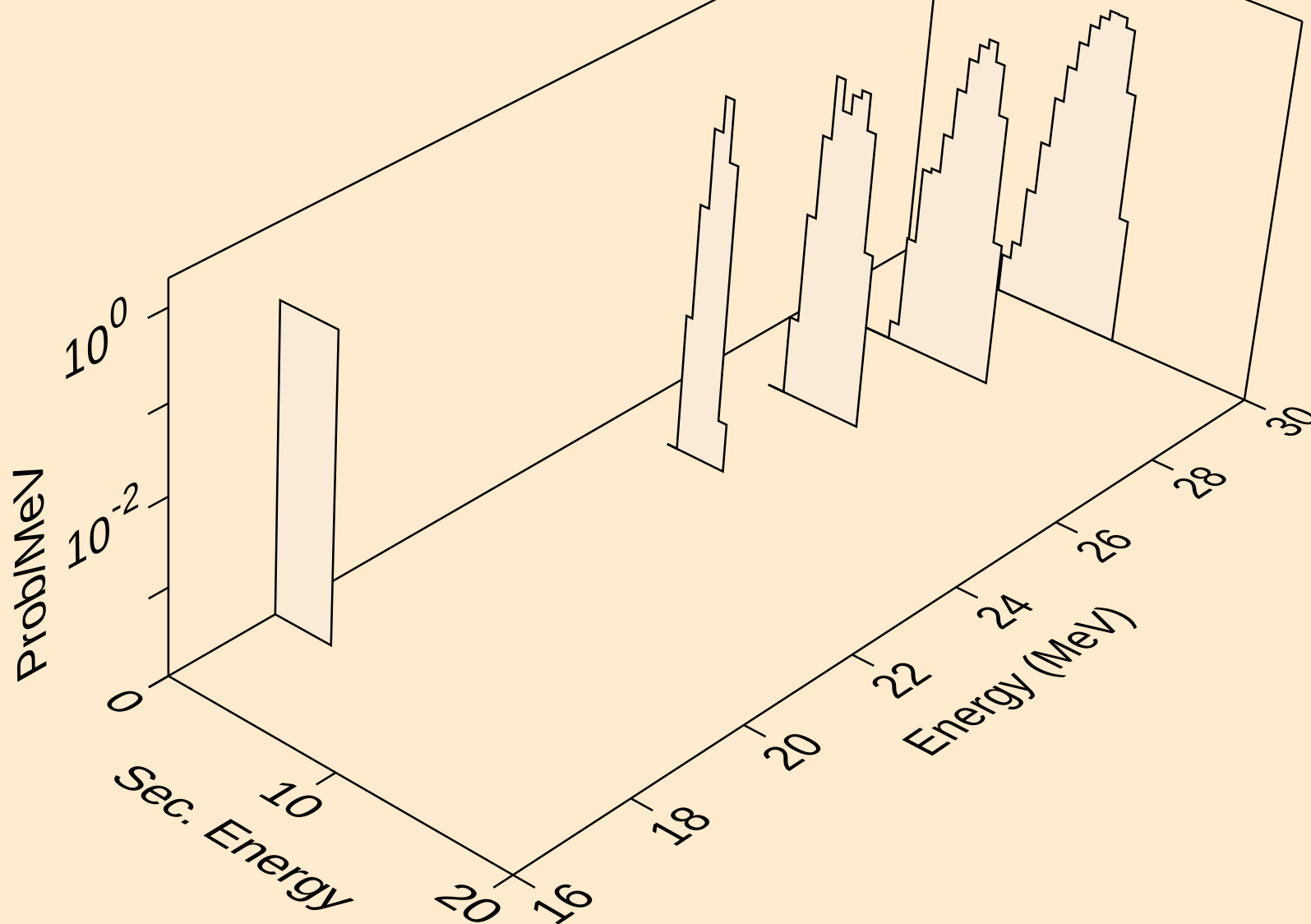
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alphas from (n,n\*)a



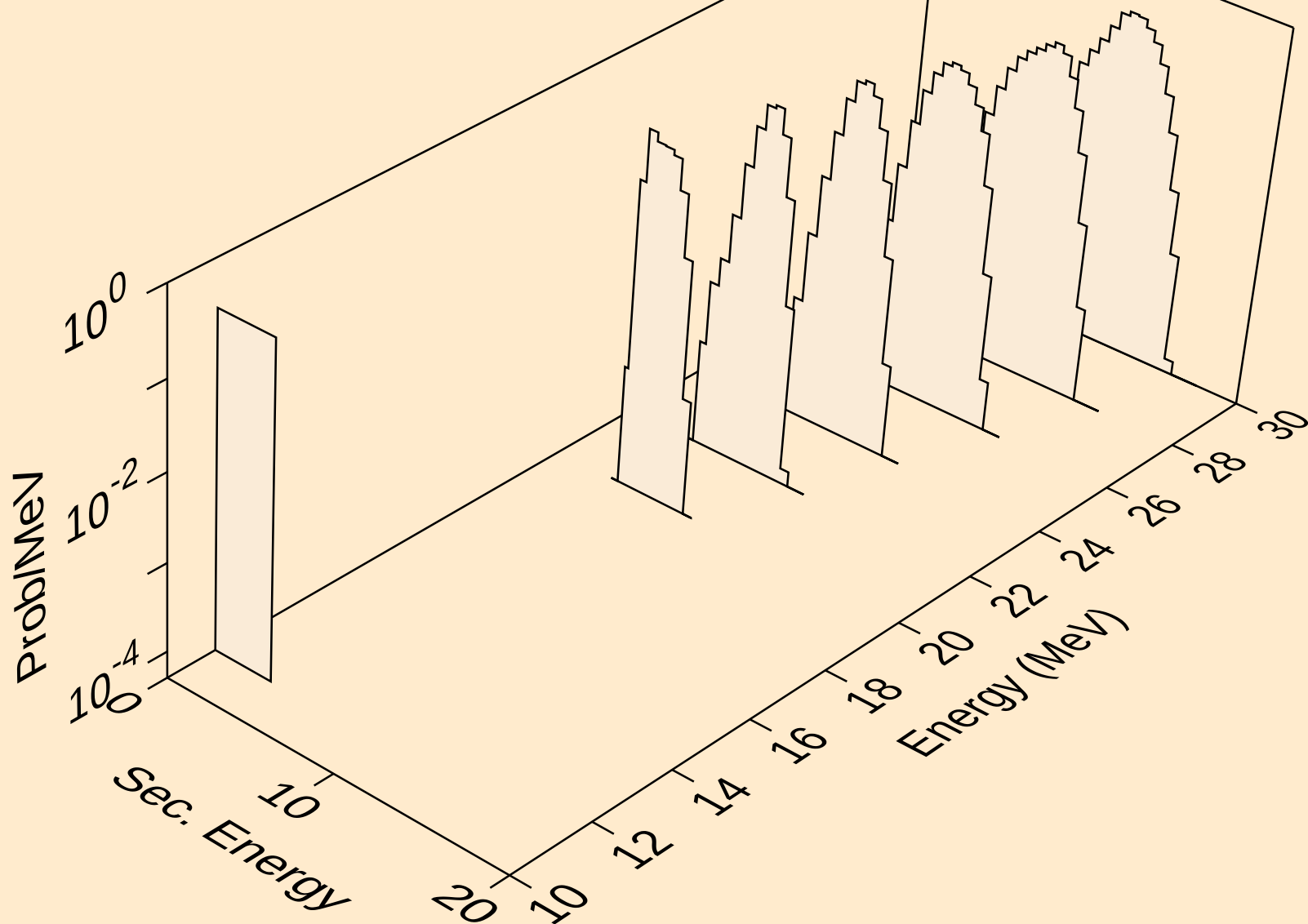
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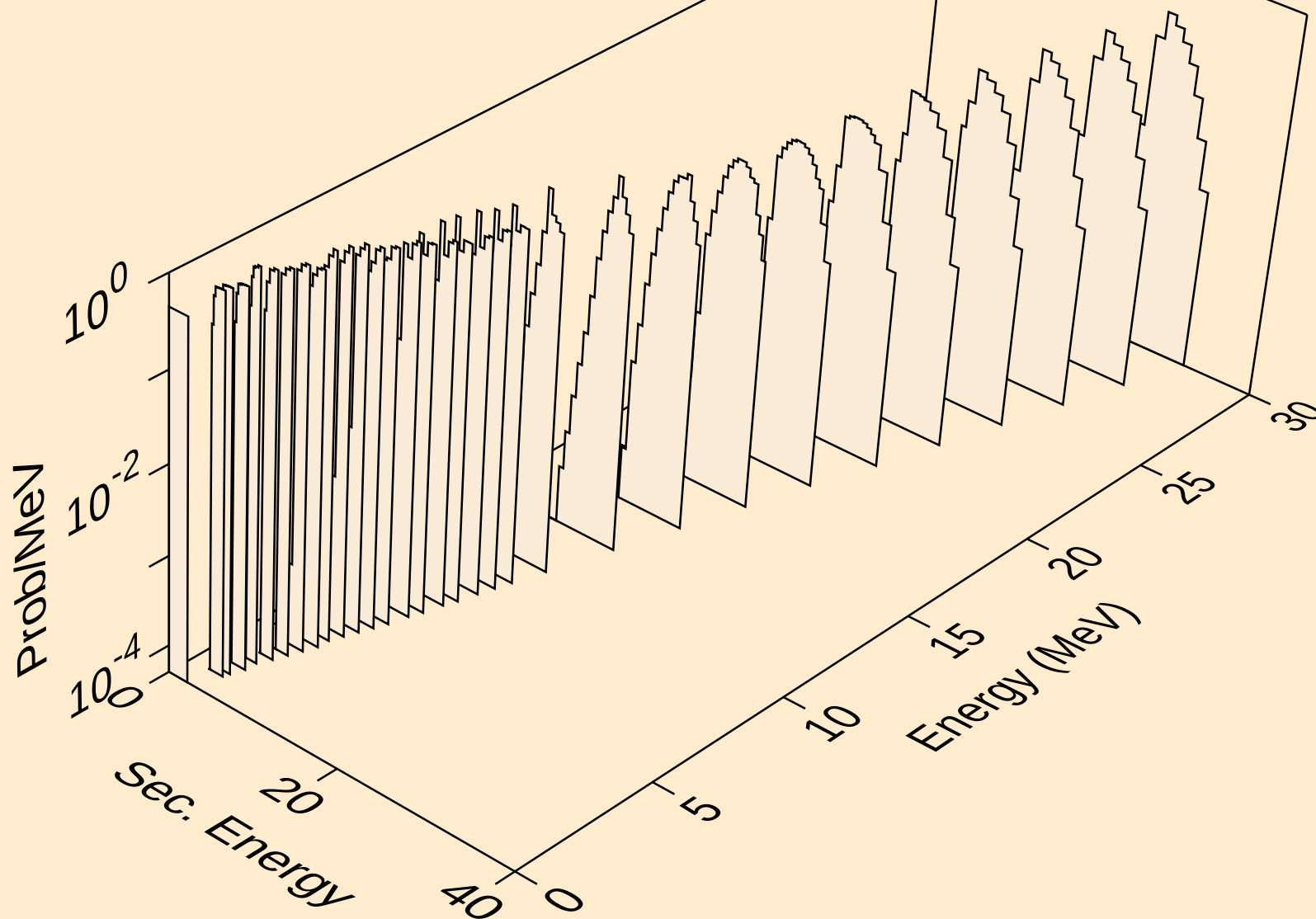
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alphas from (n,3n)a



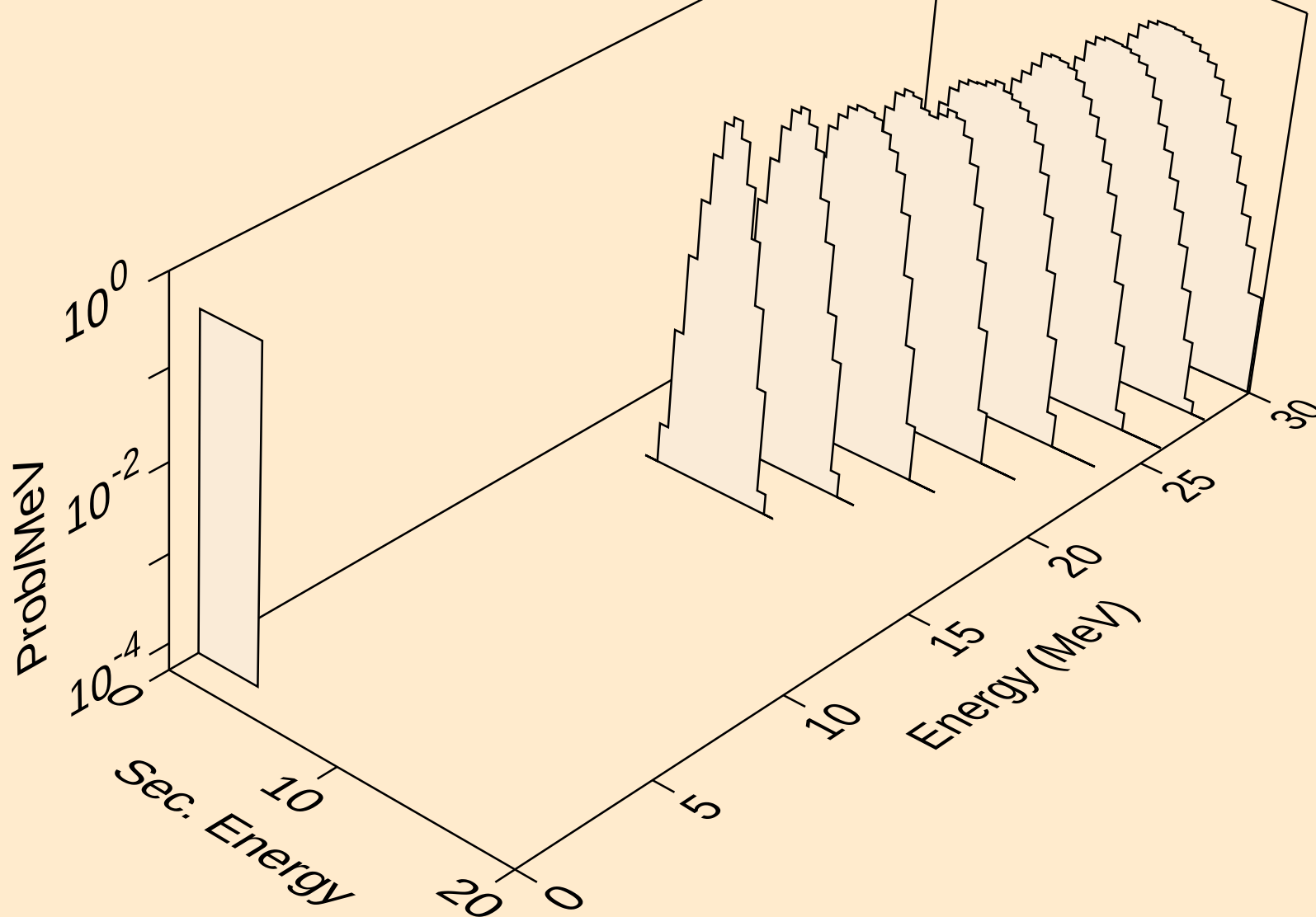
CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



CS137 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)

