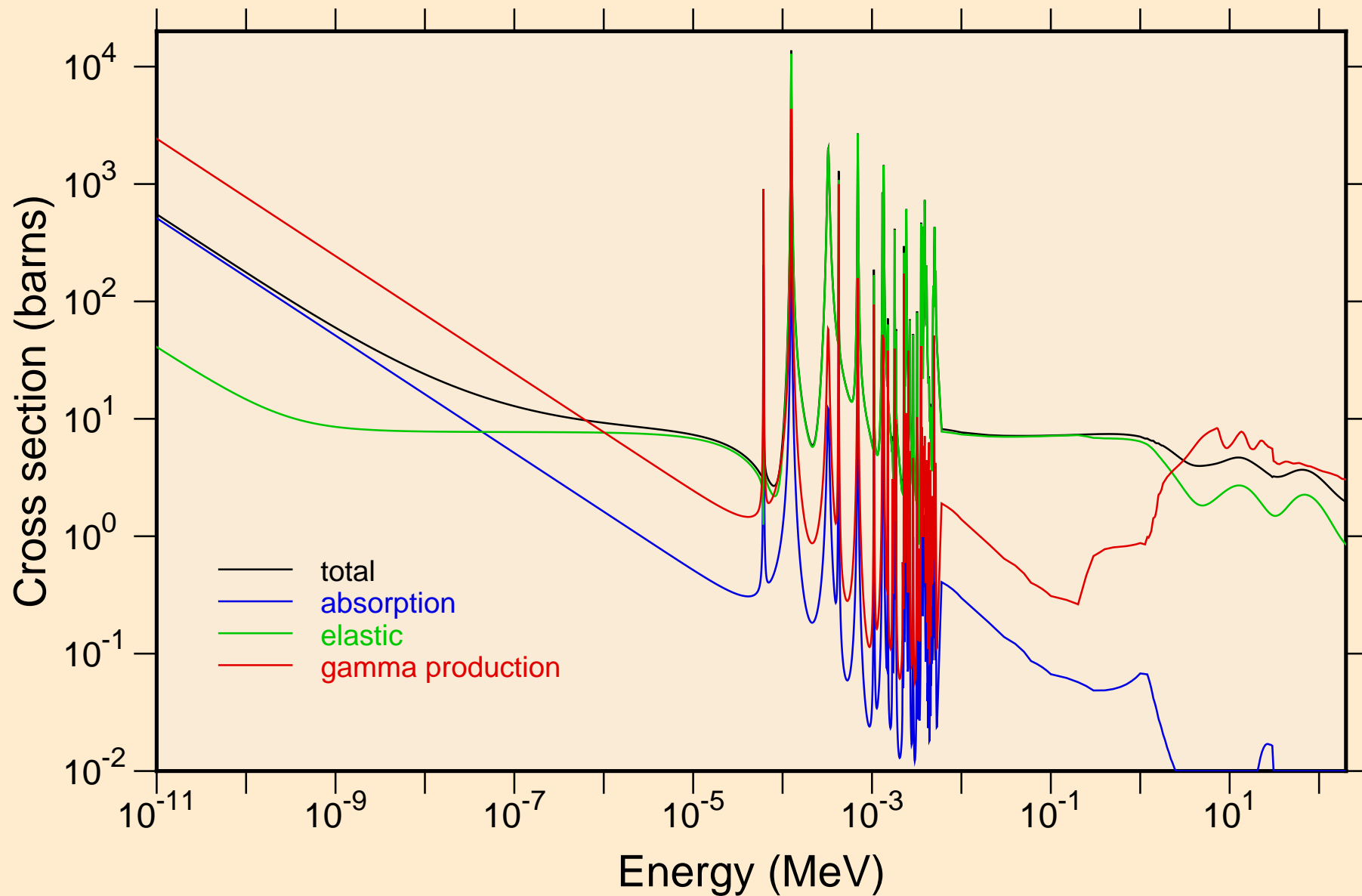
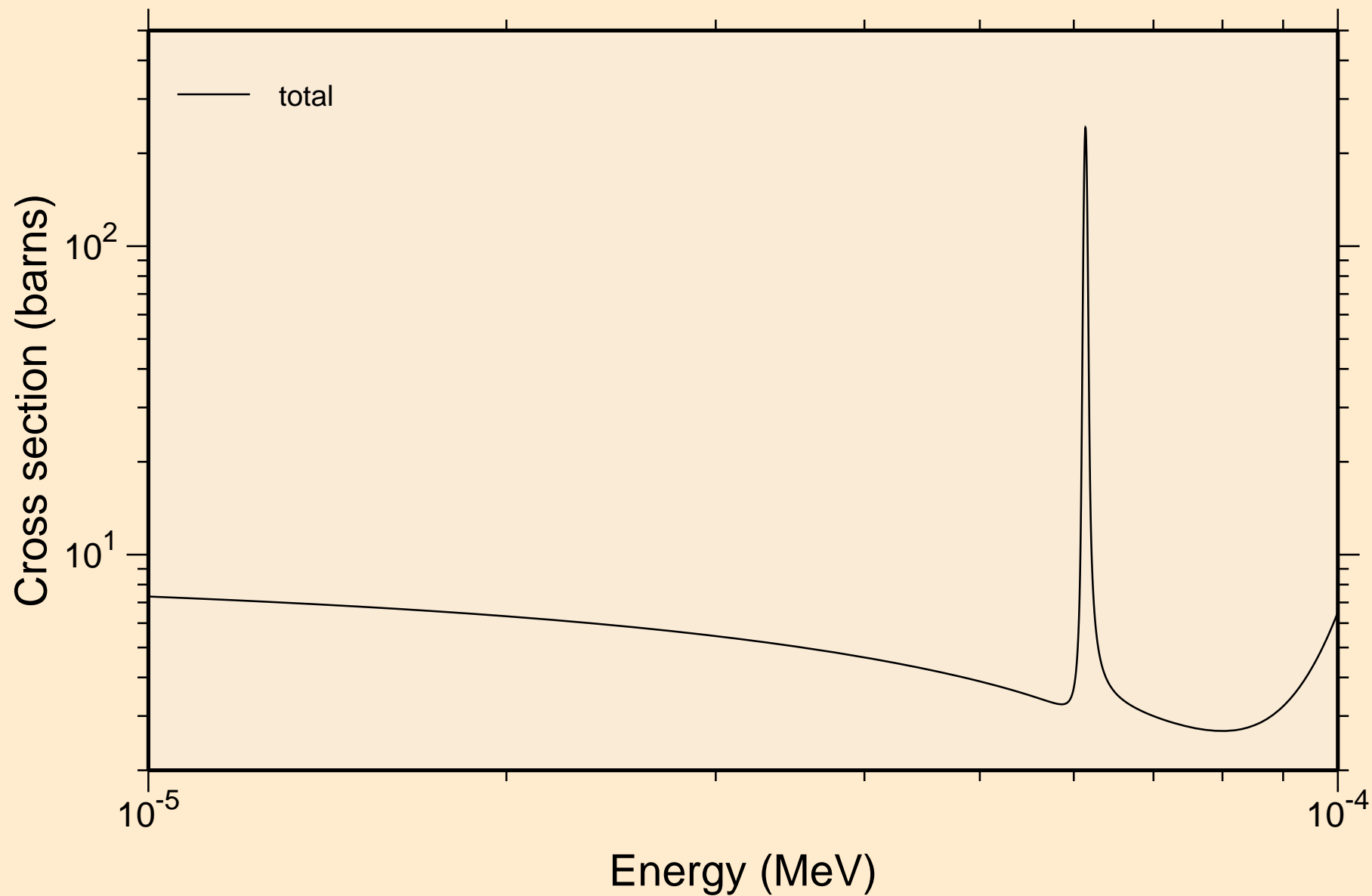


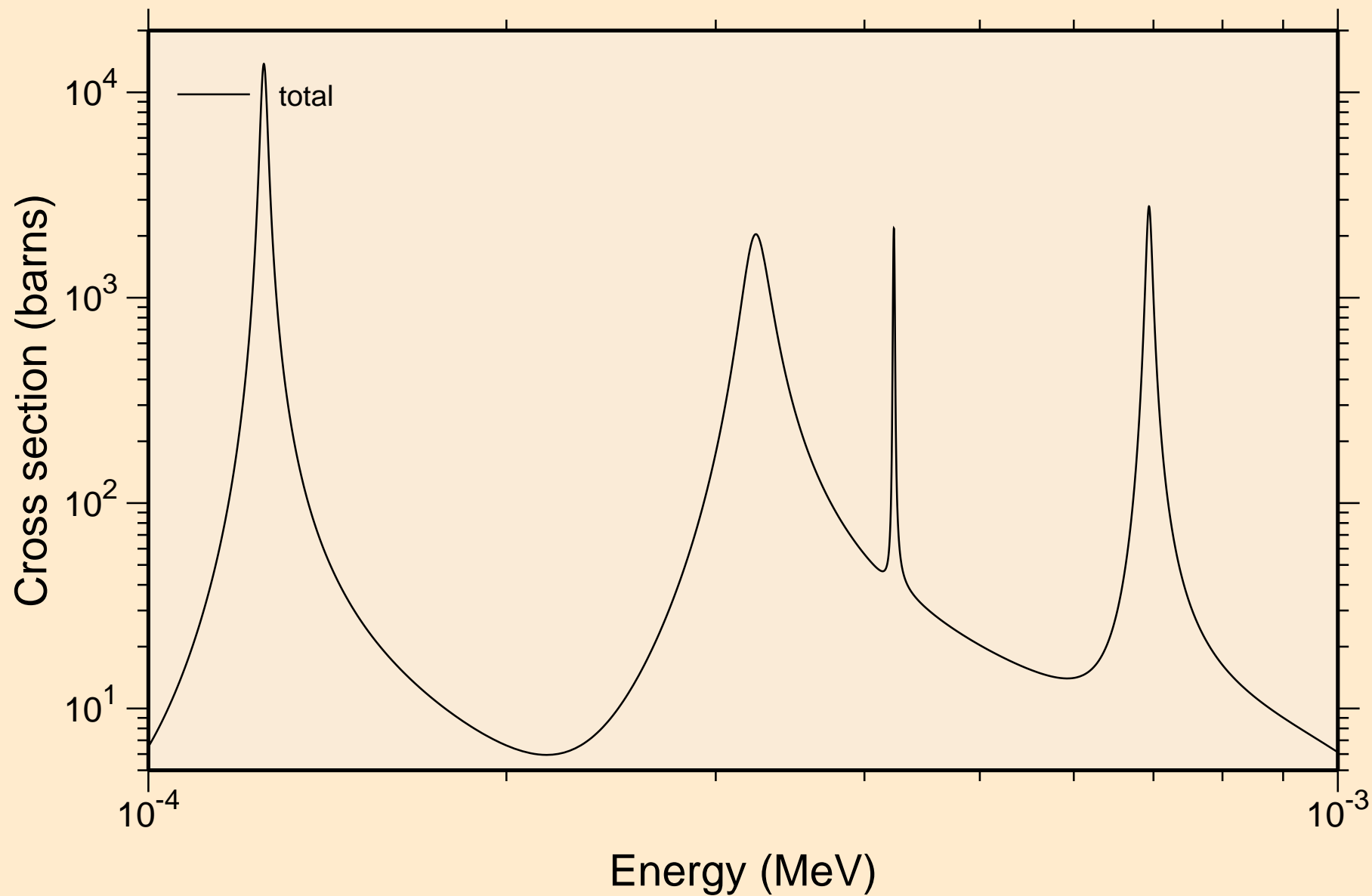
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



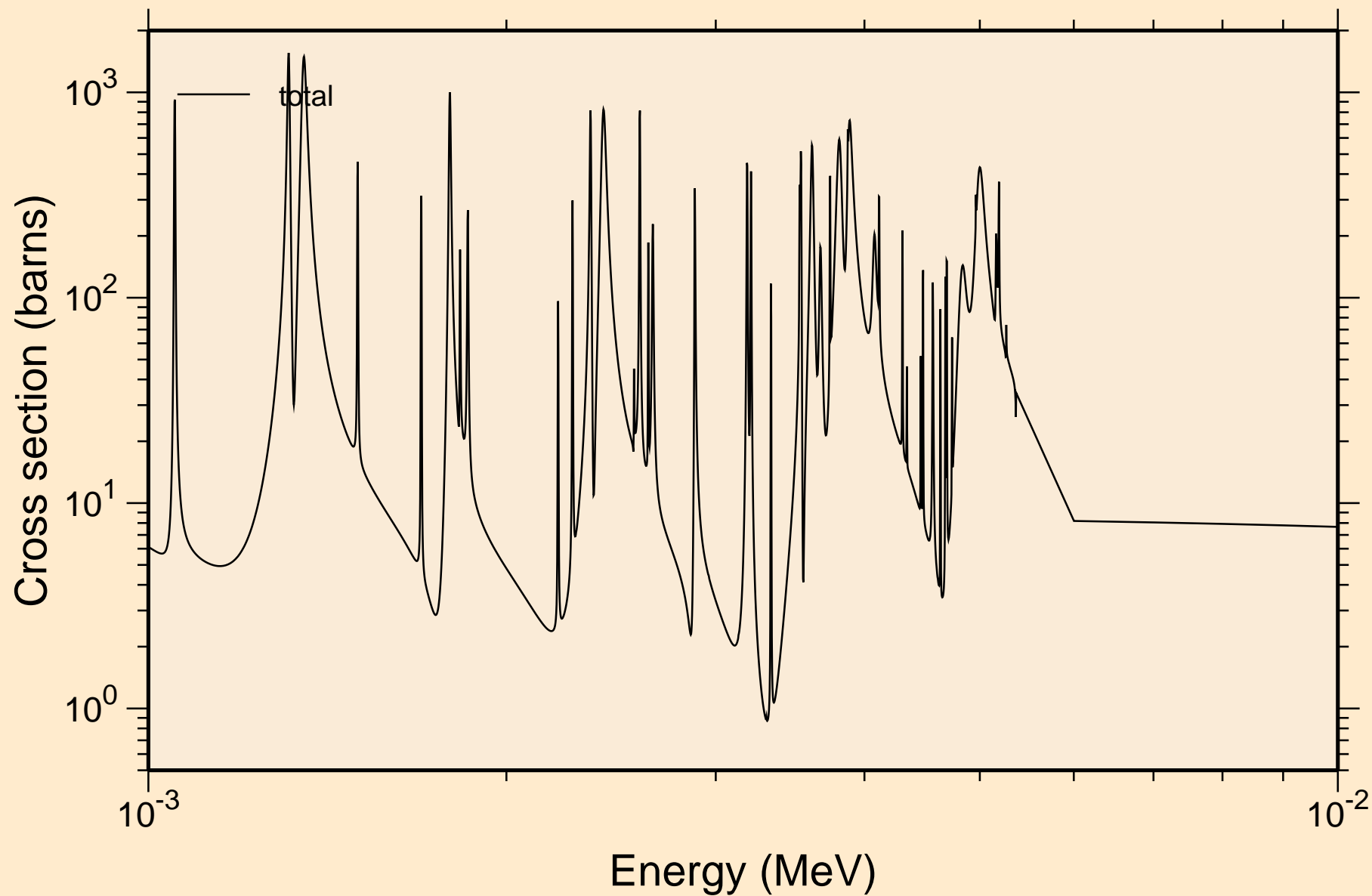
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



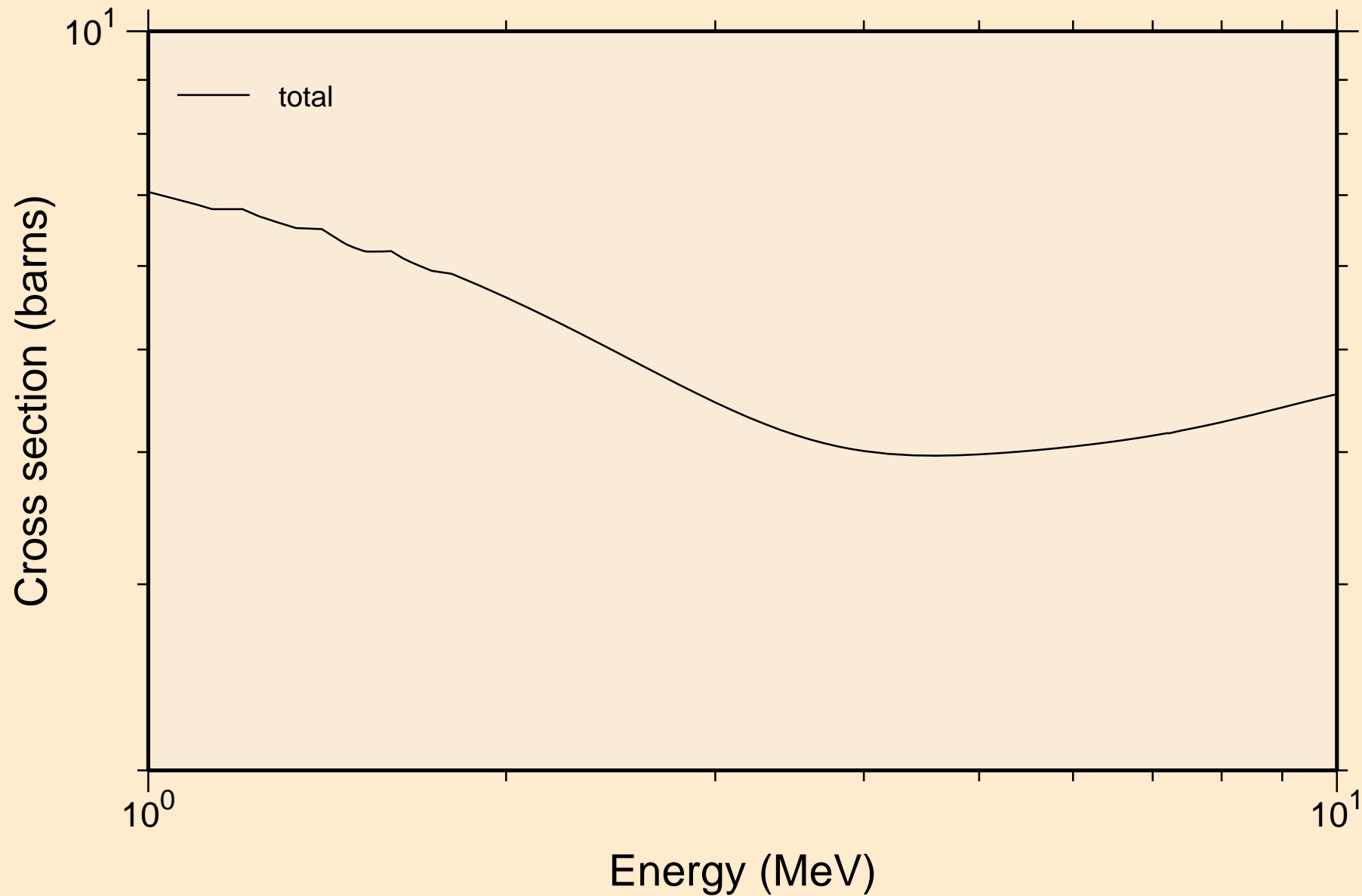
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



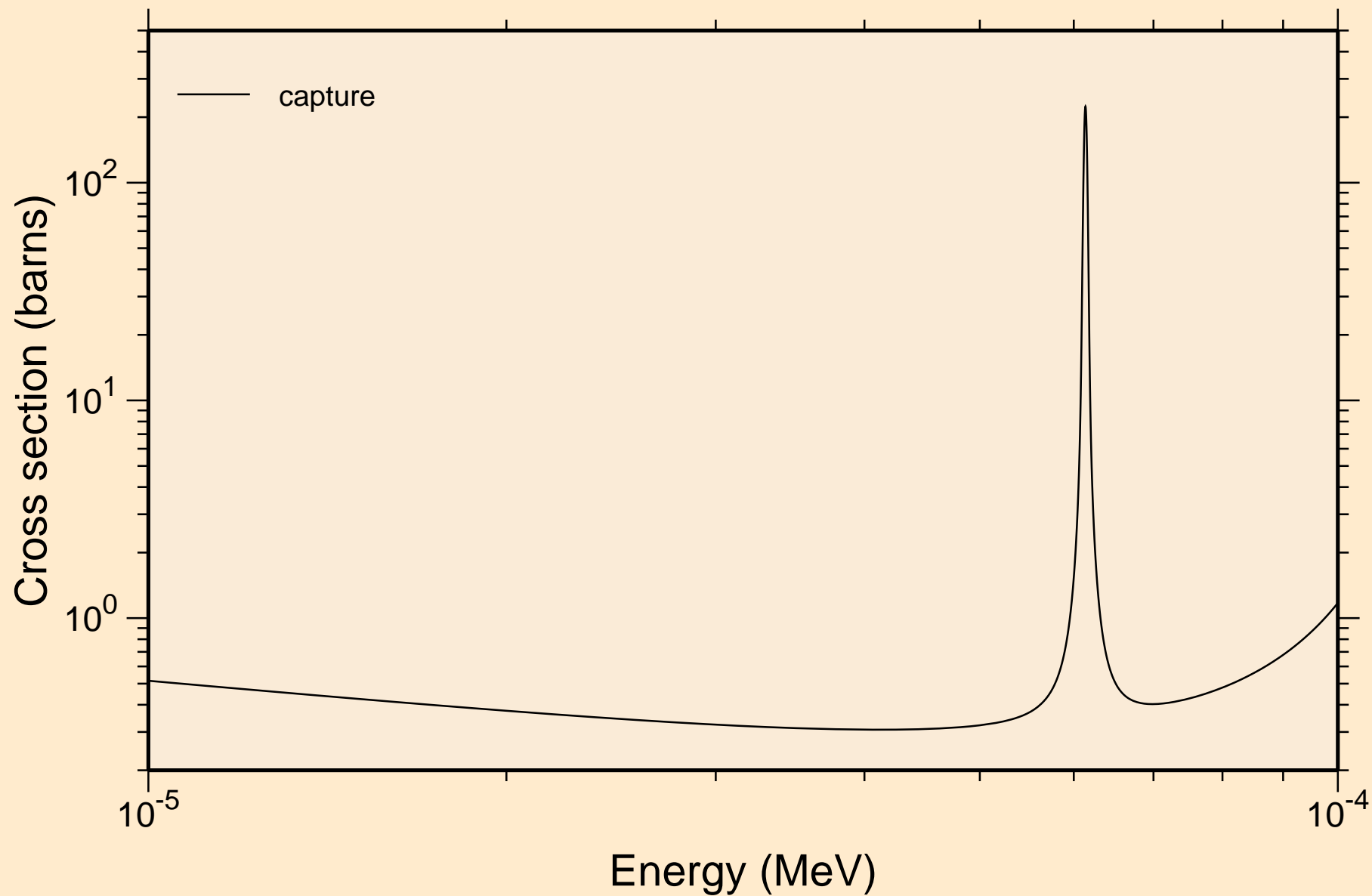
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



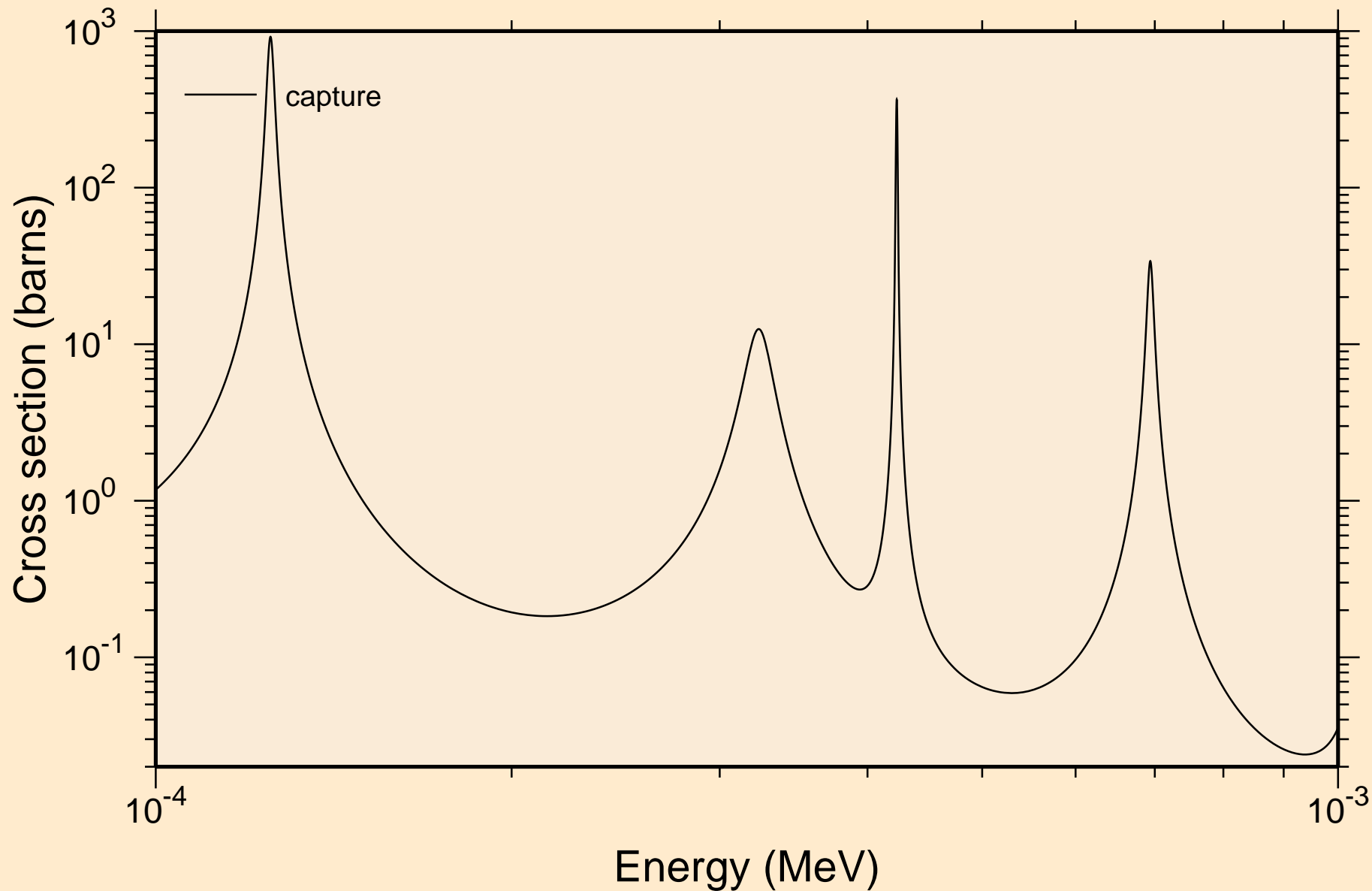
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



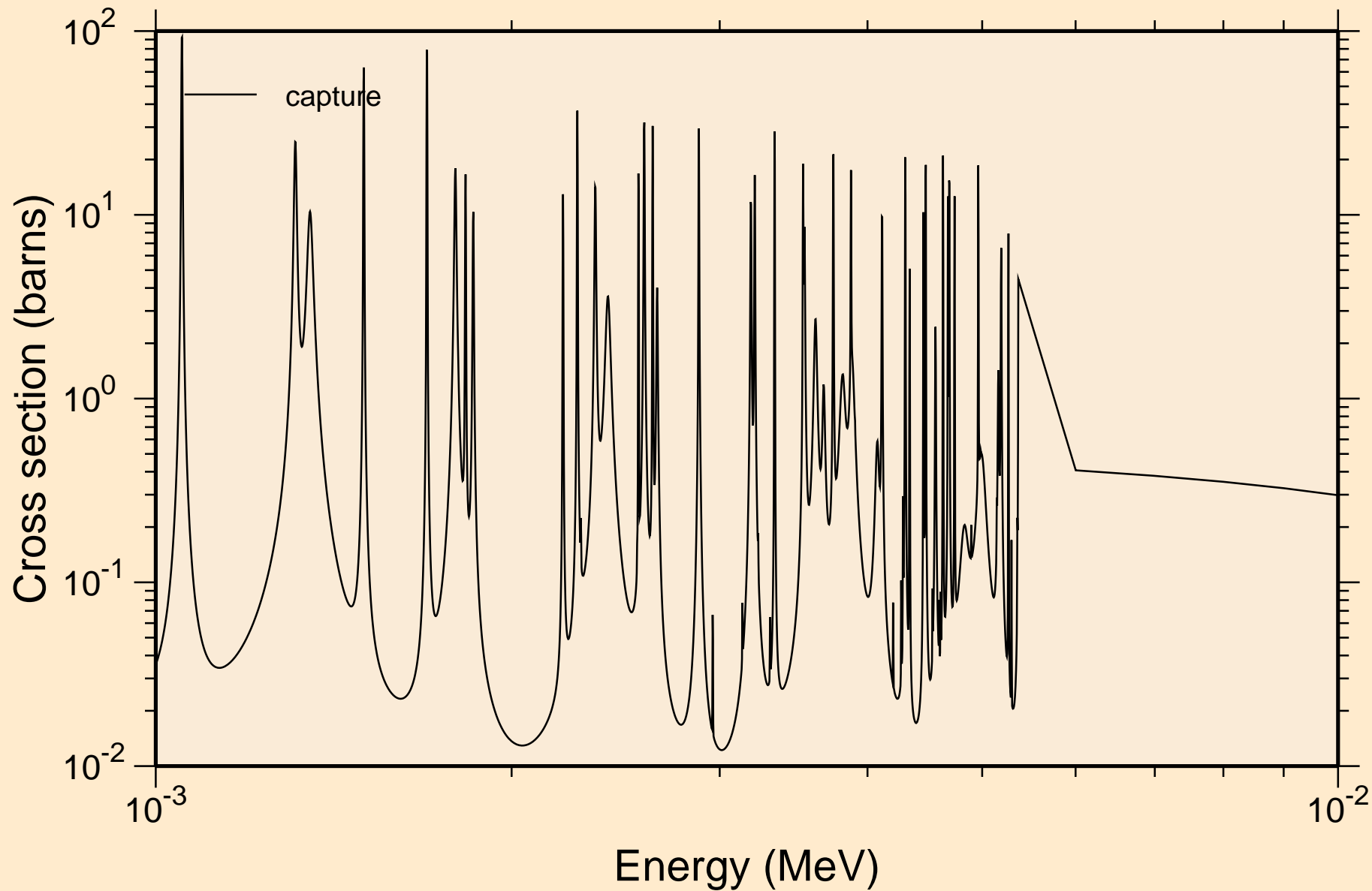
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

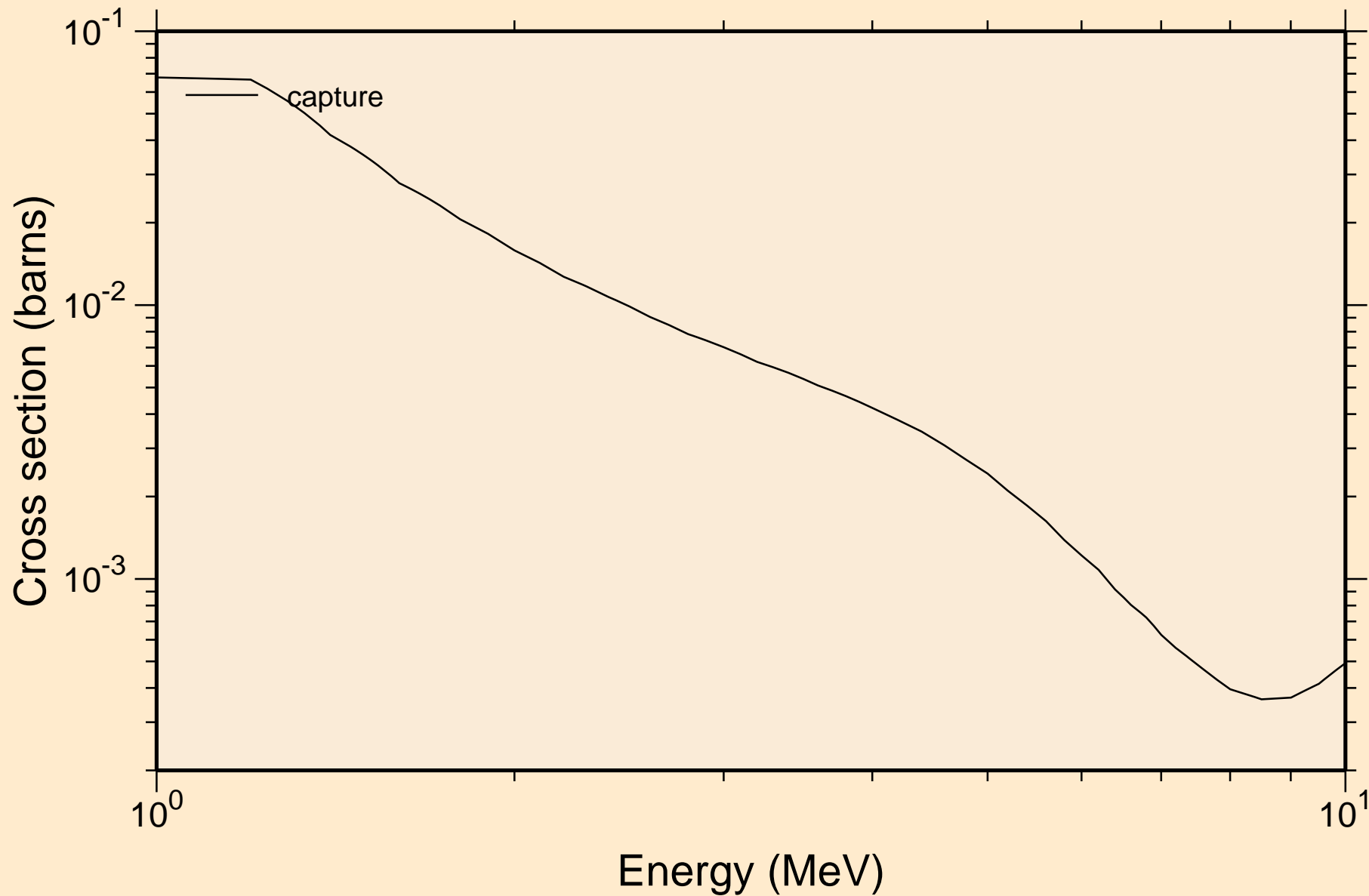


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

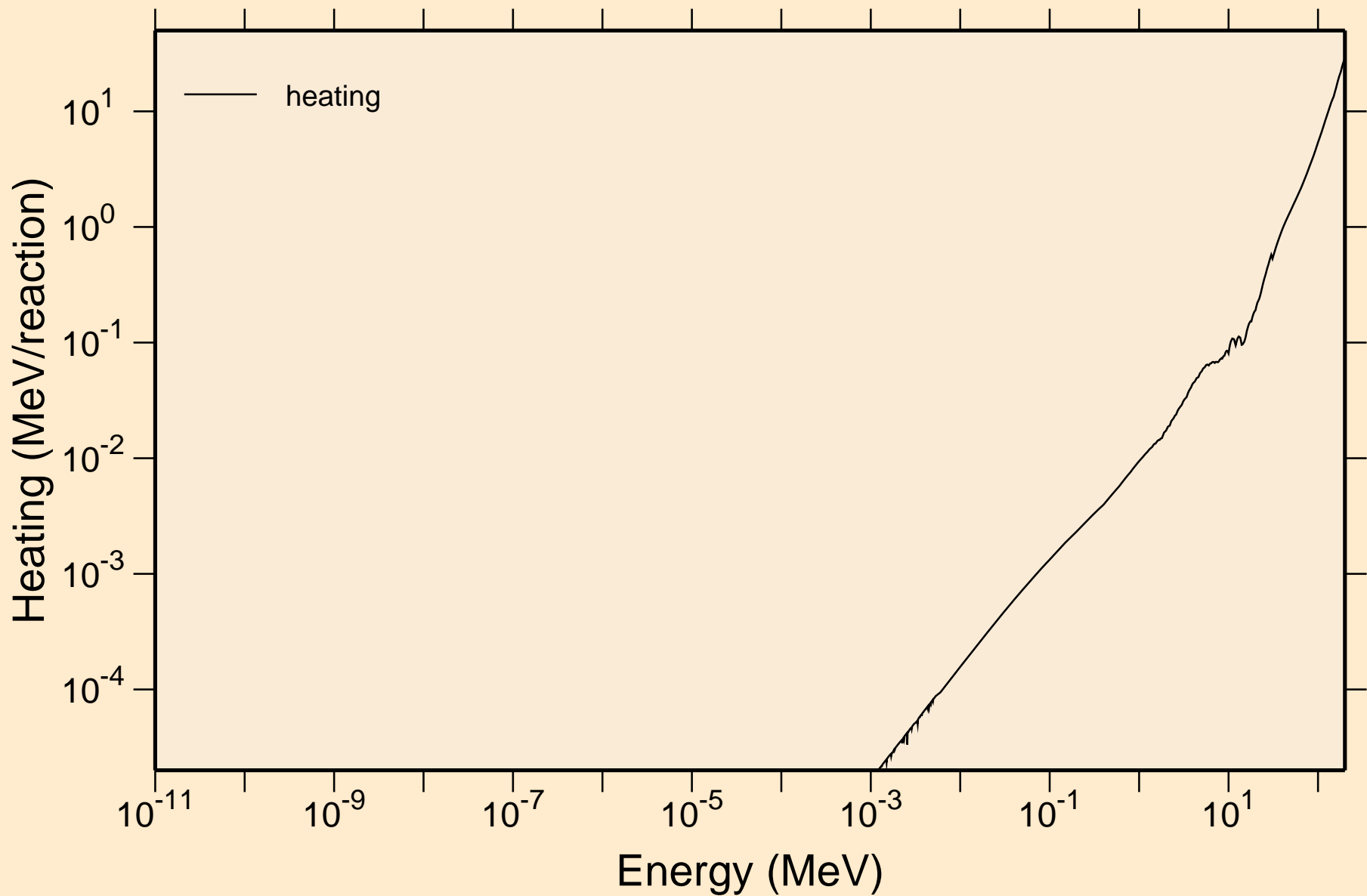




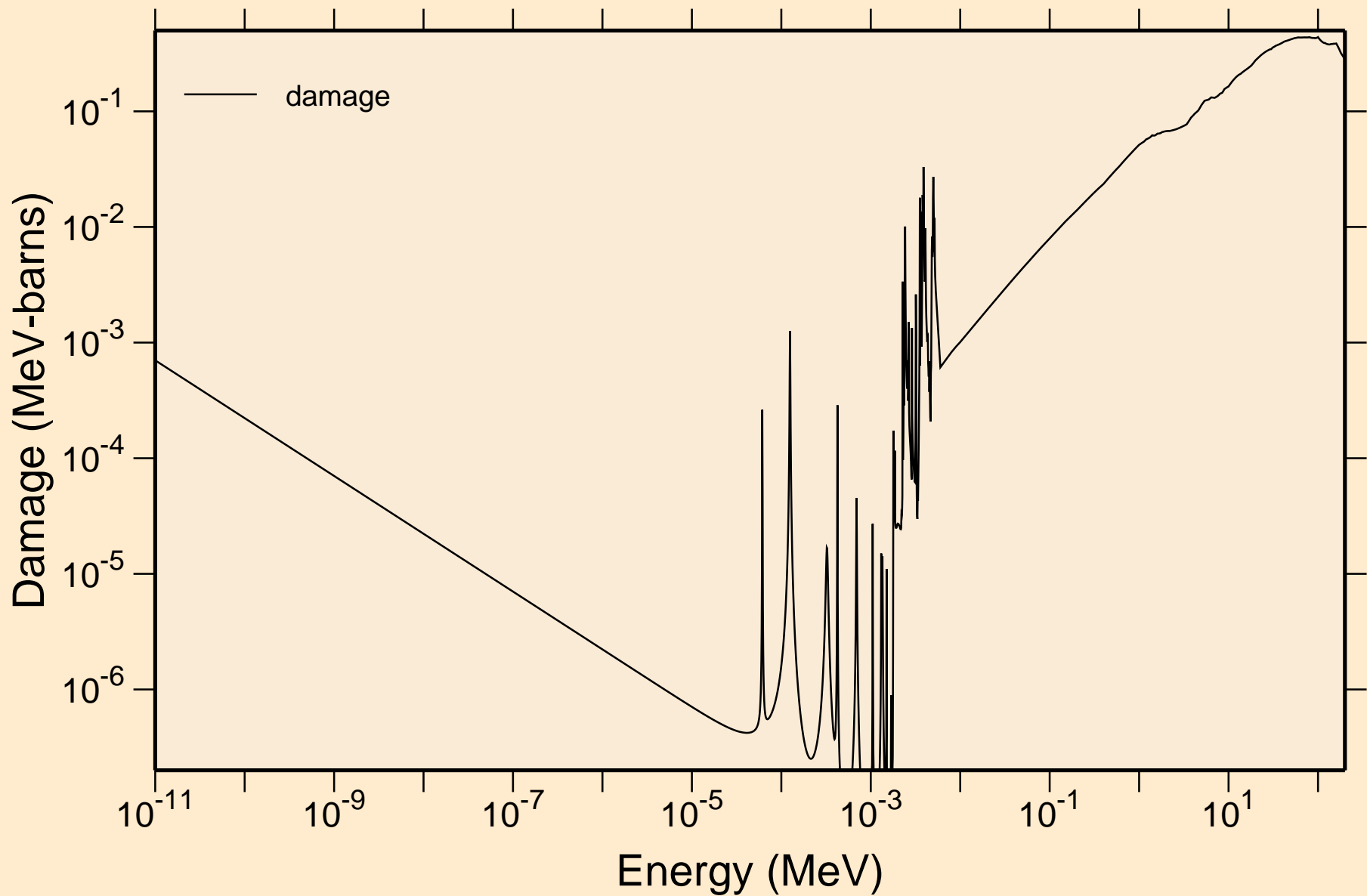
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resonance absorption cross sections



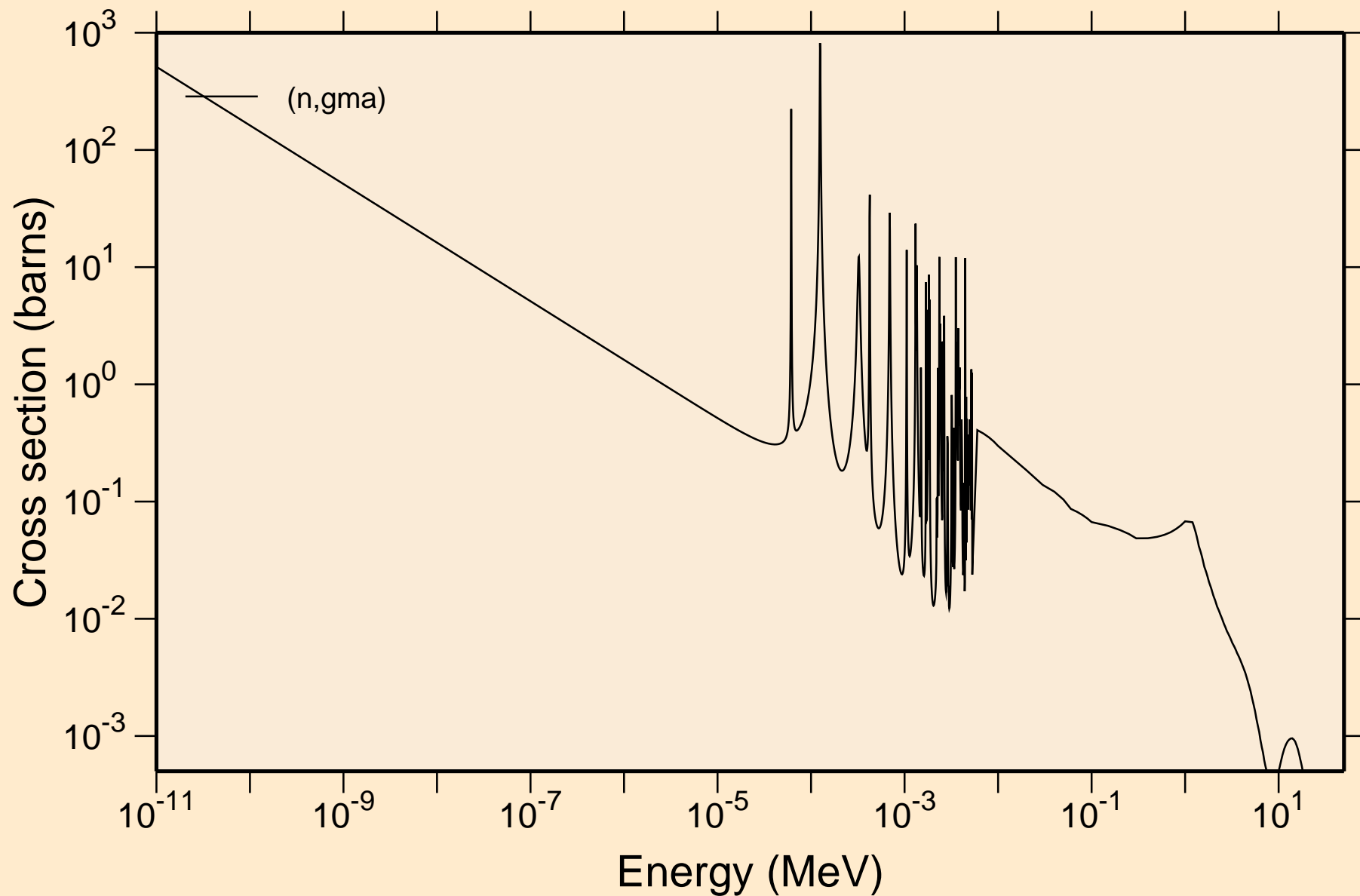
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Heating



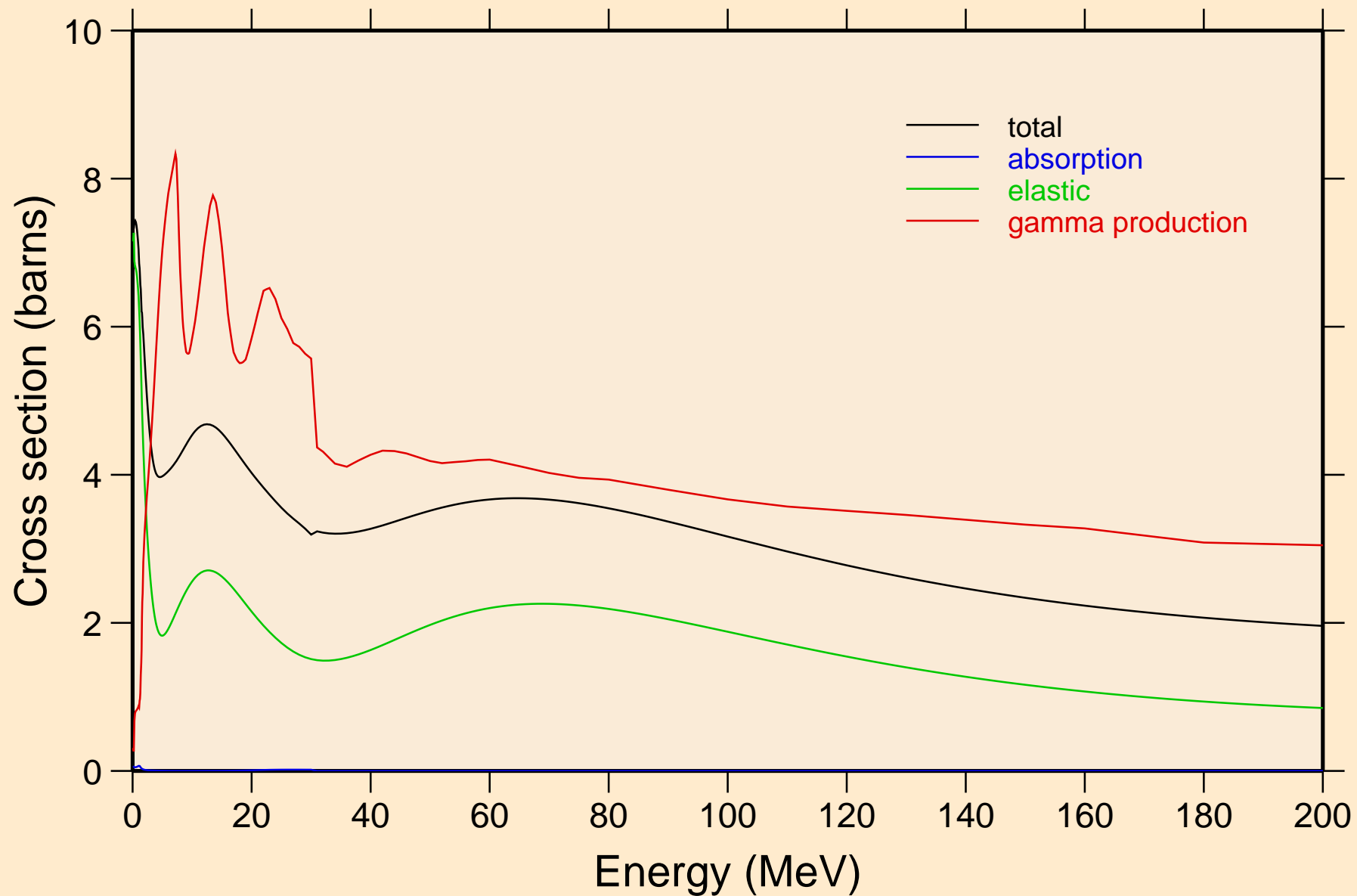
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Damage



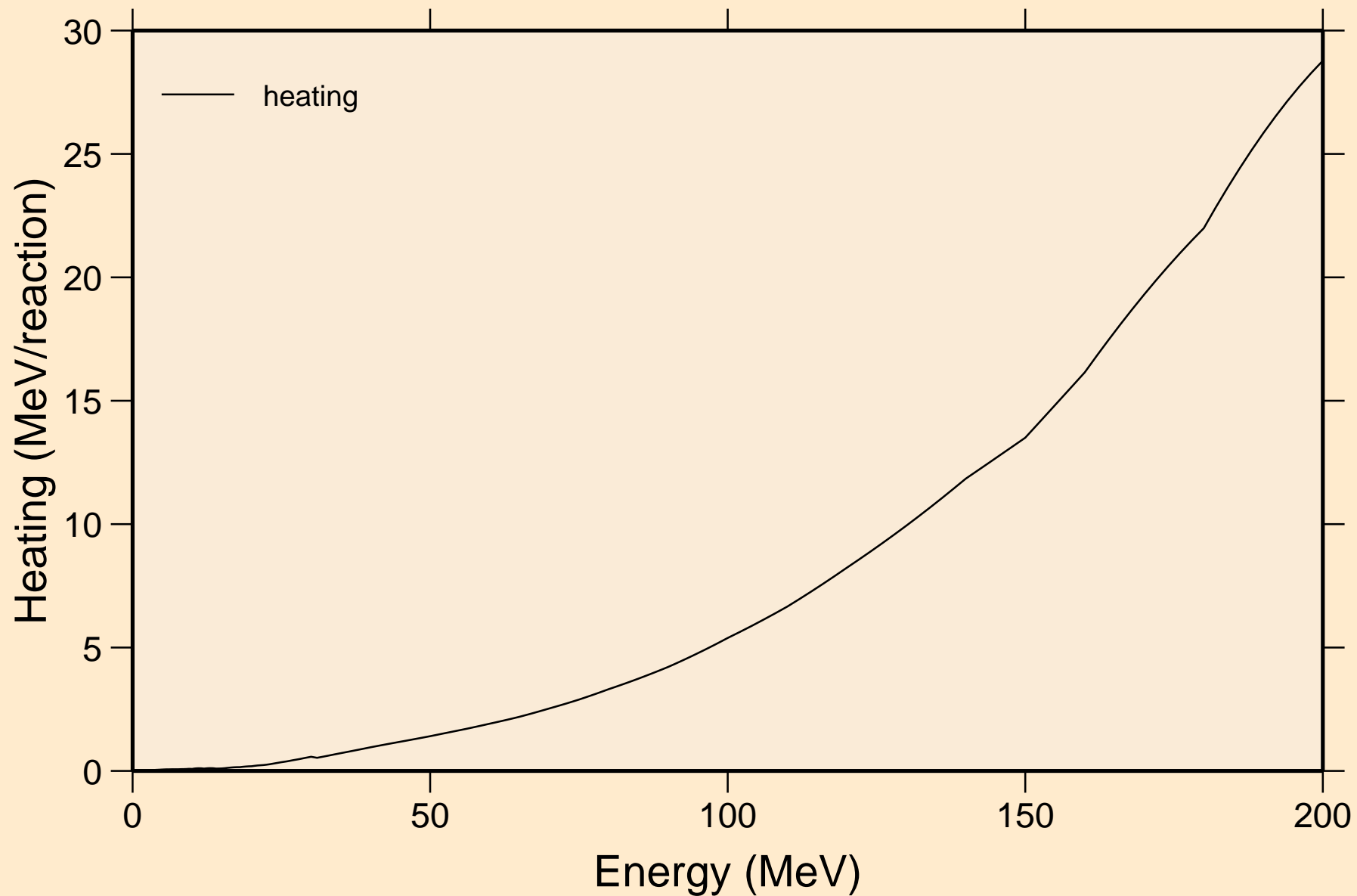
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



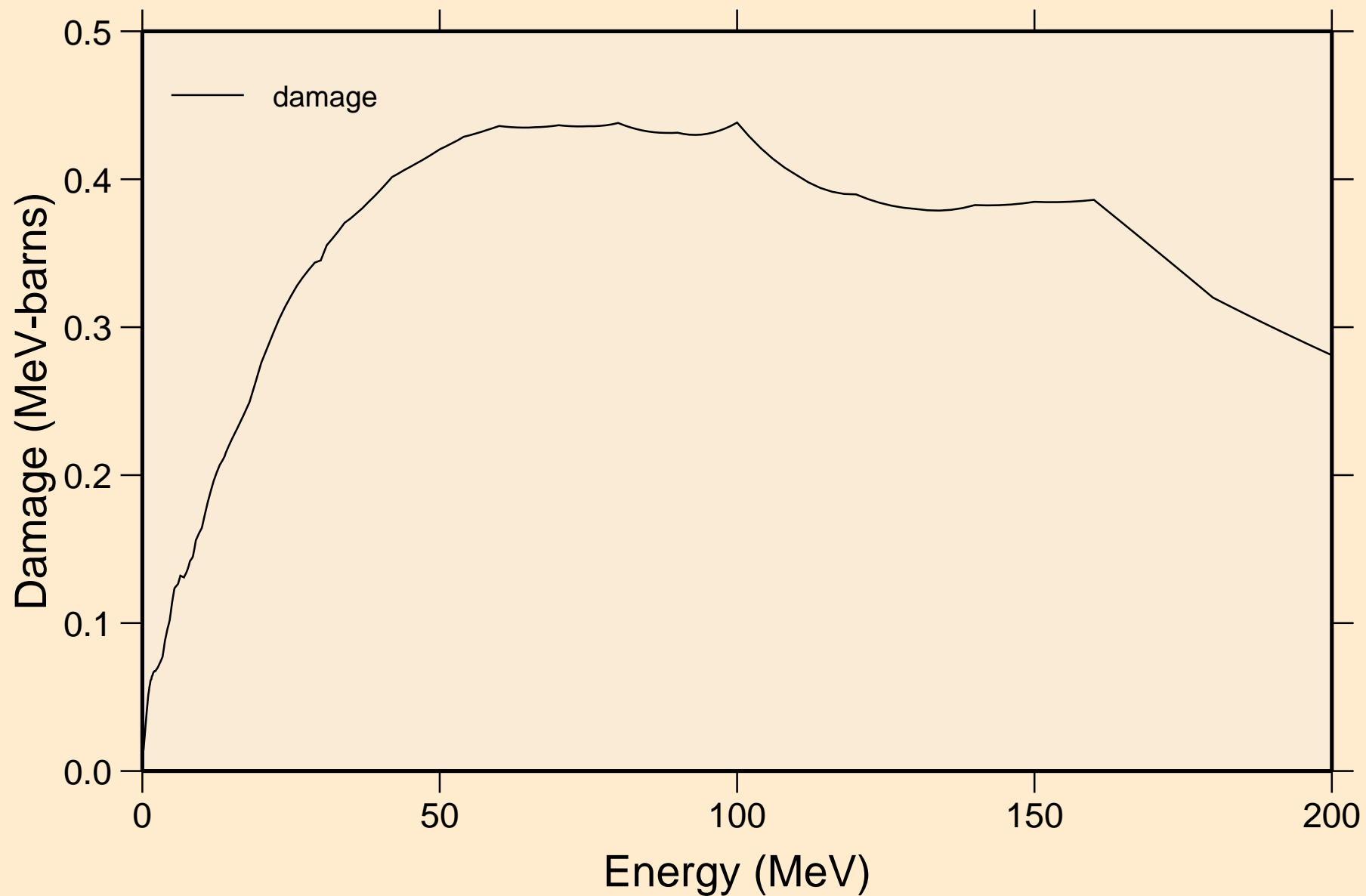
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



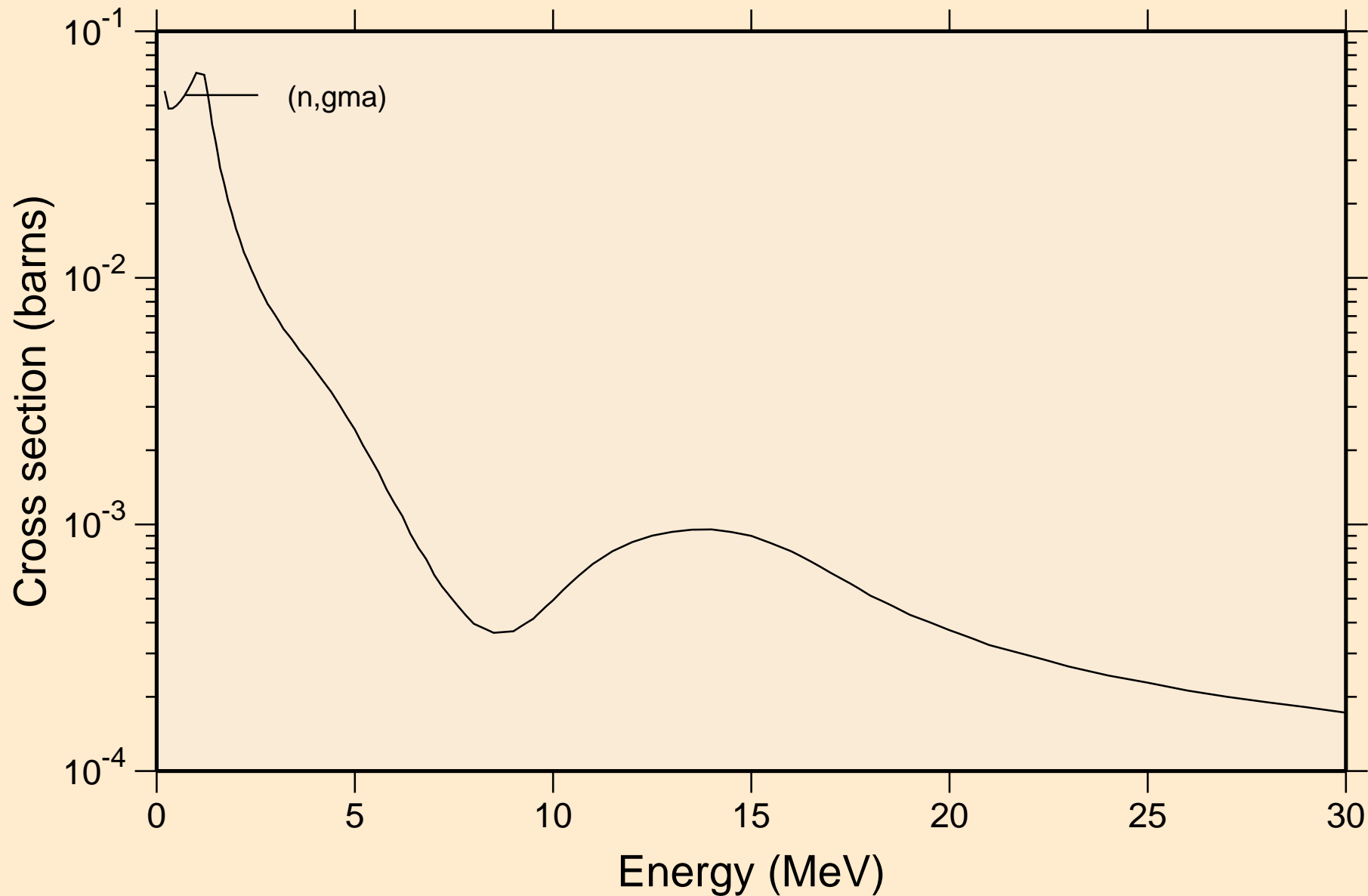
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

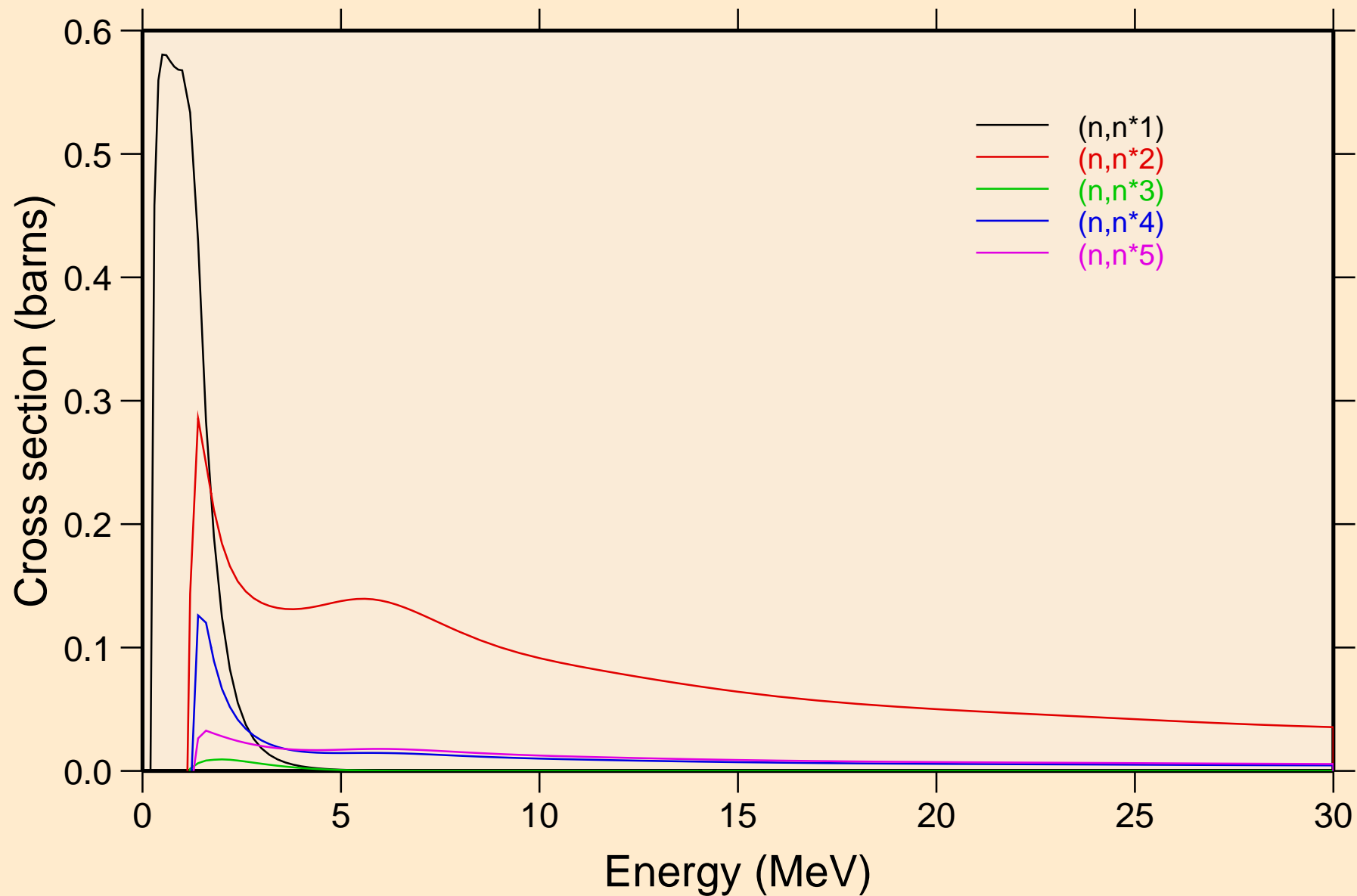


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

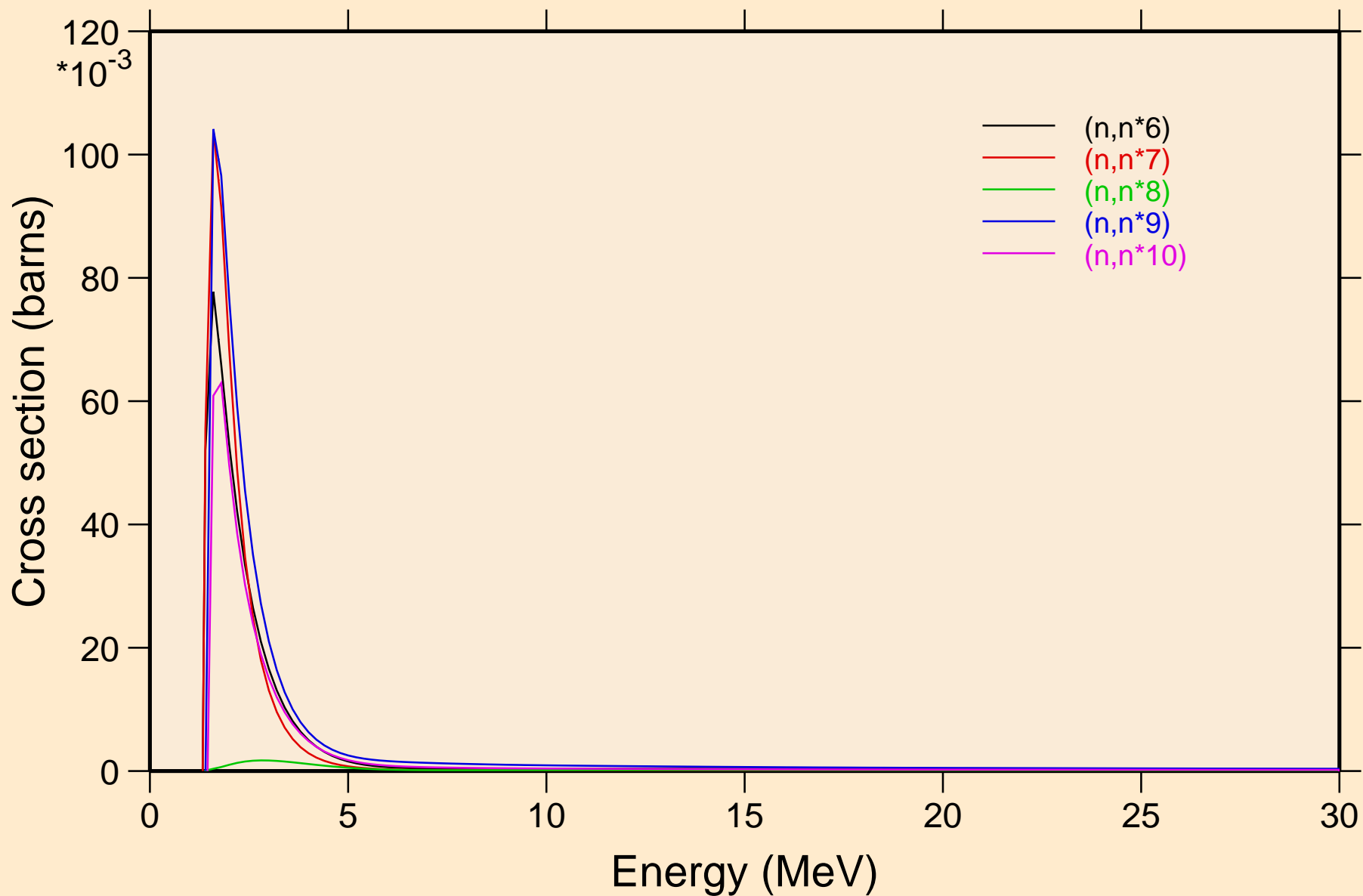




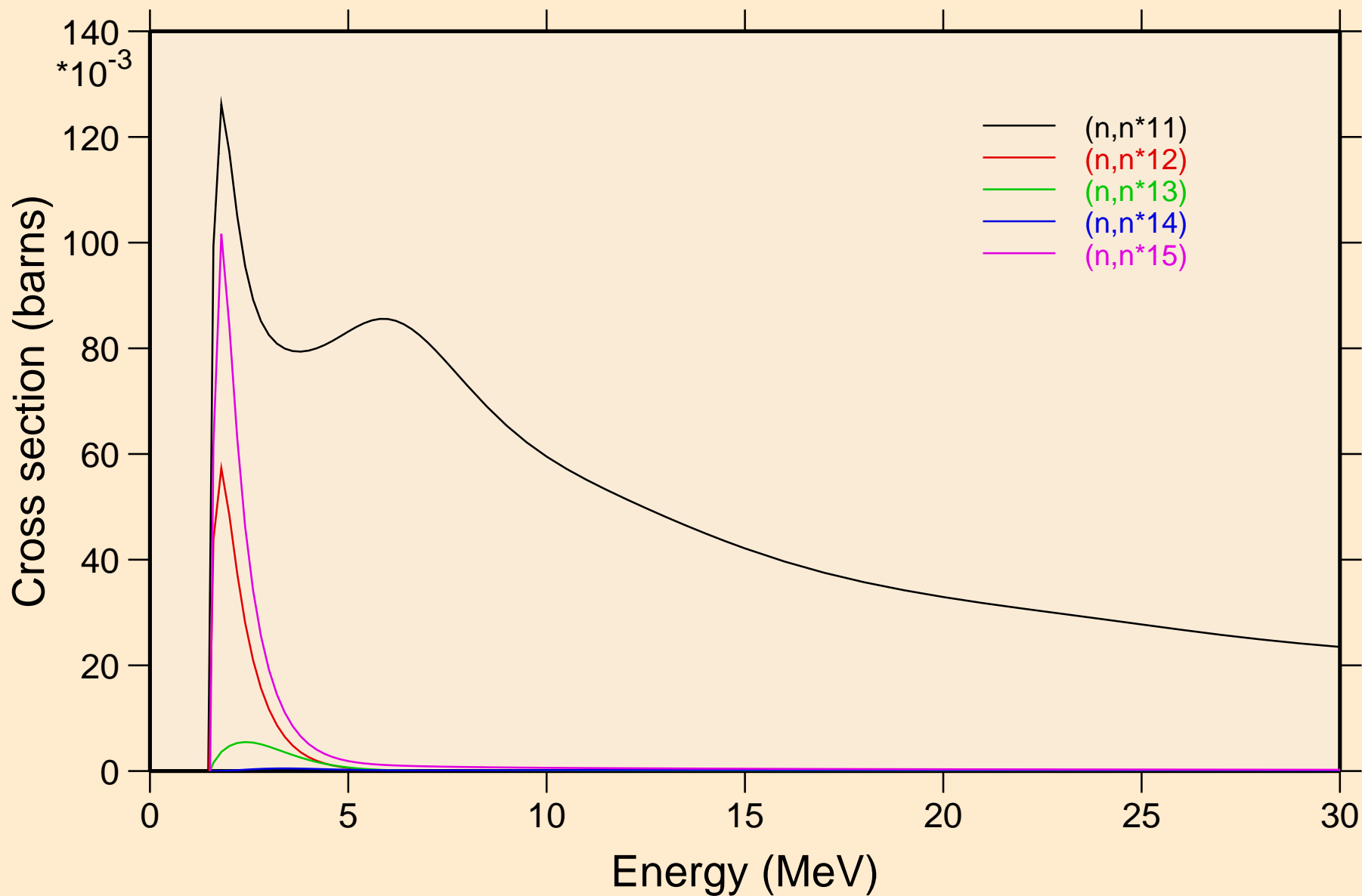
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Inelastic levels



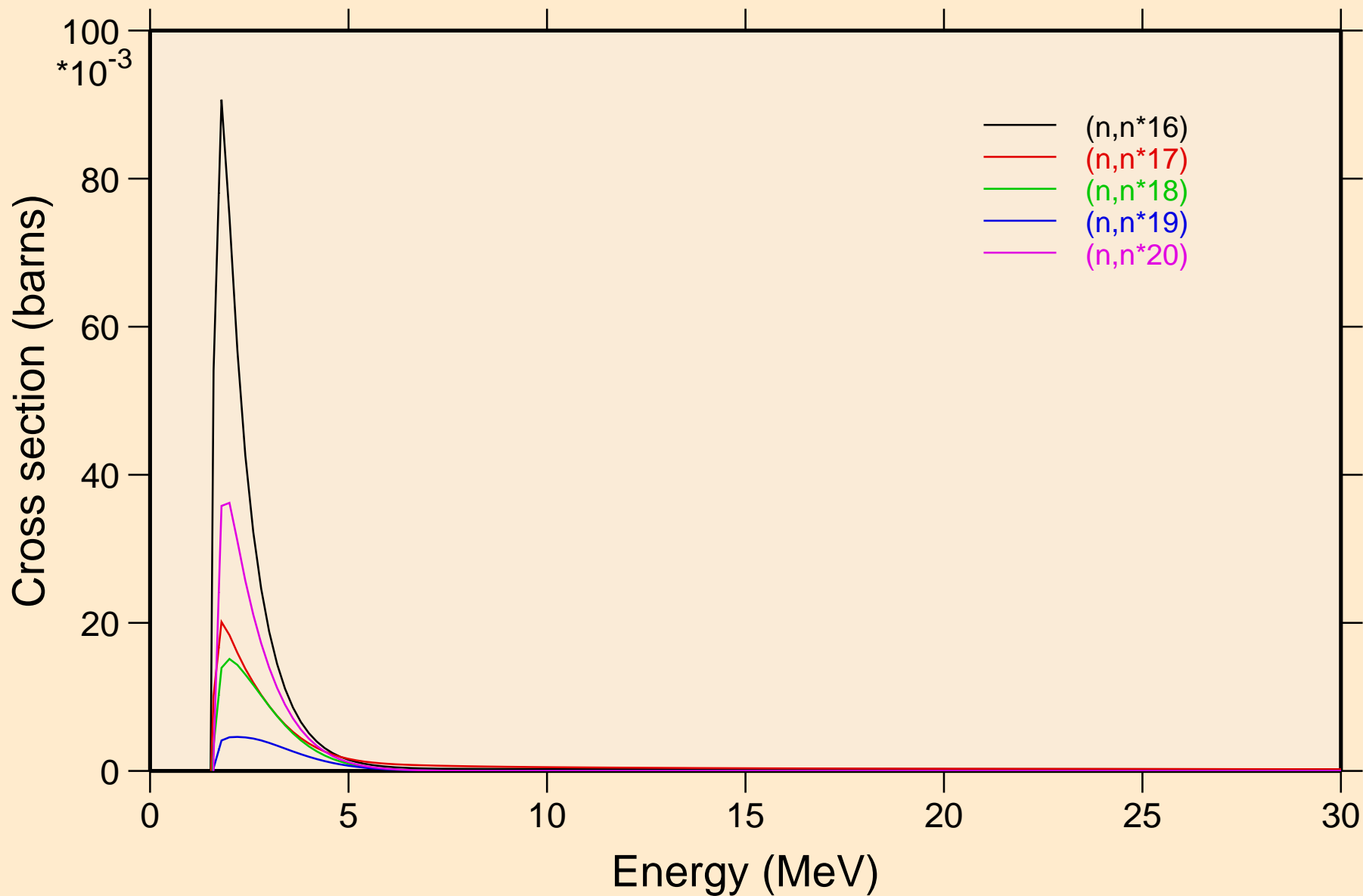
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



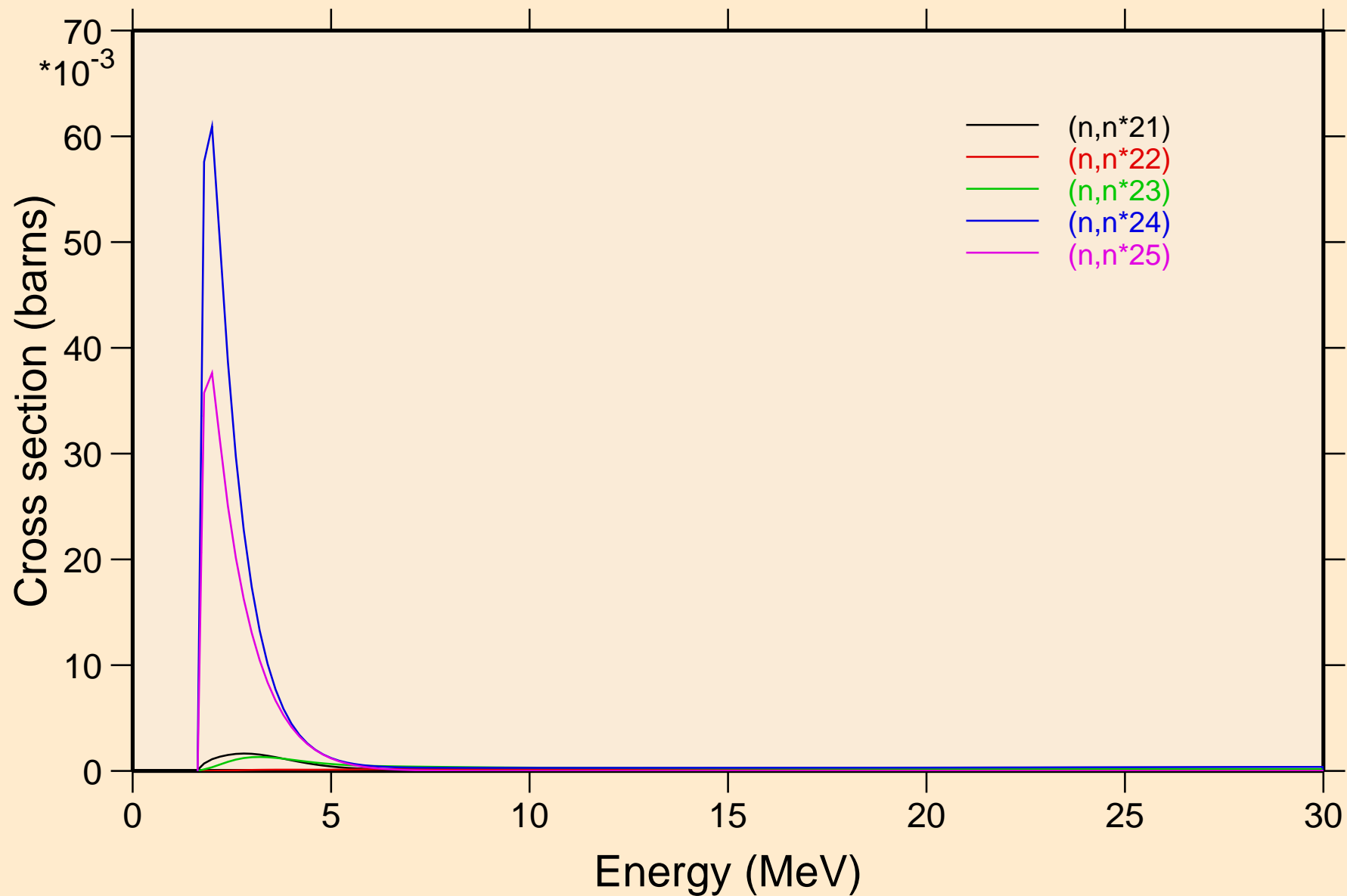
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



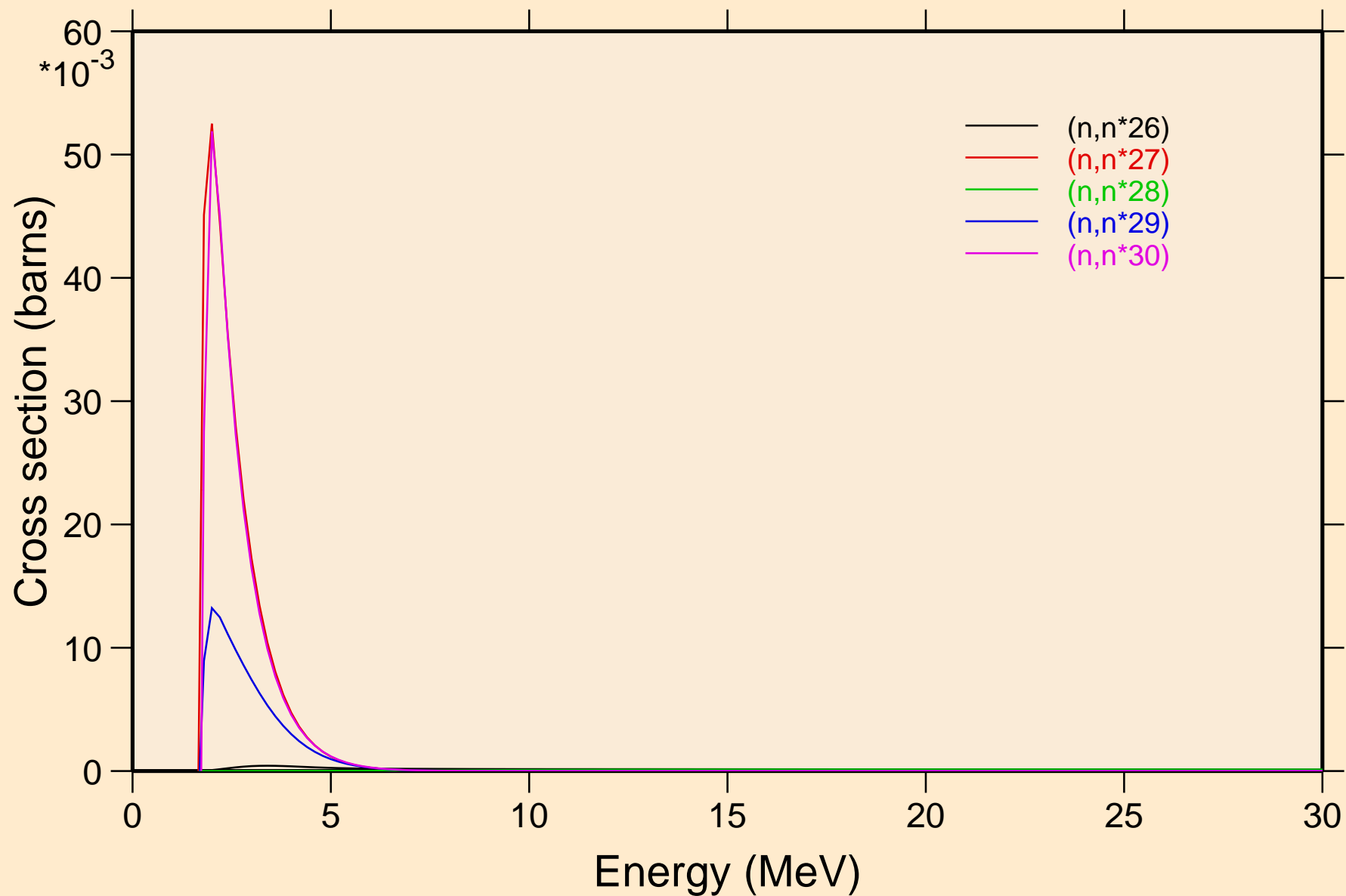
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



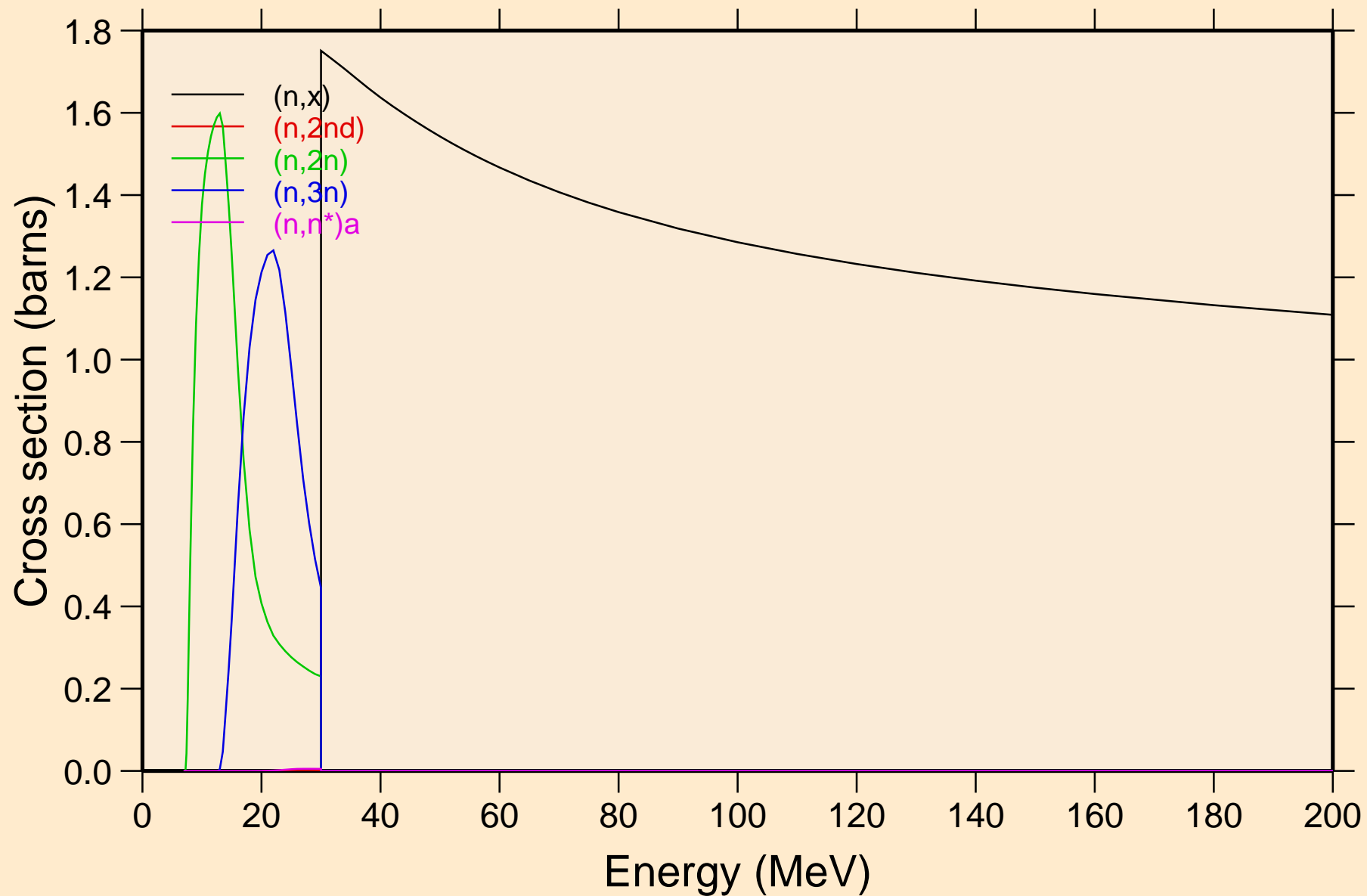
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

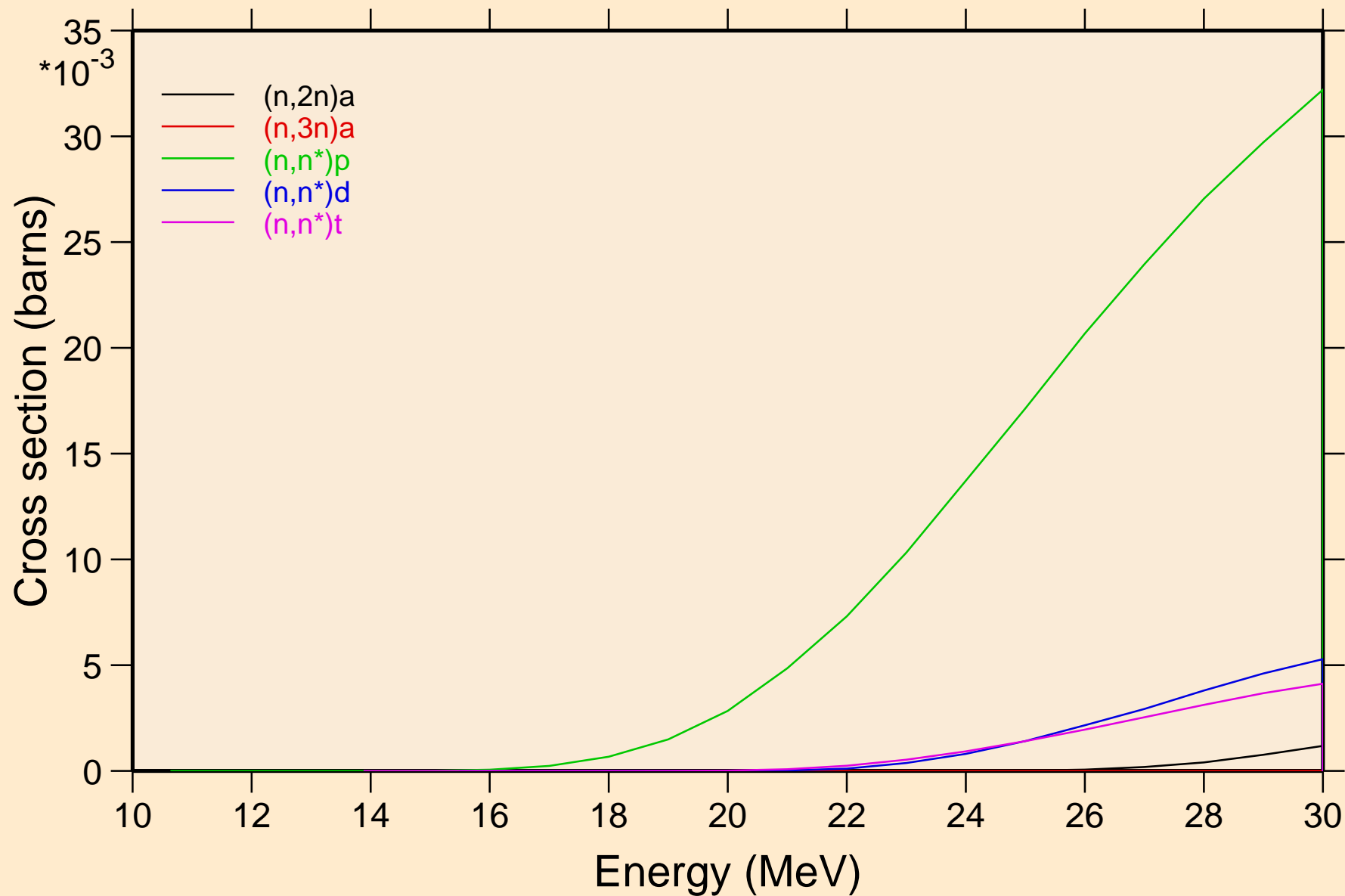


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



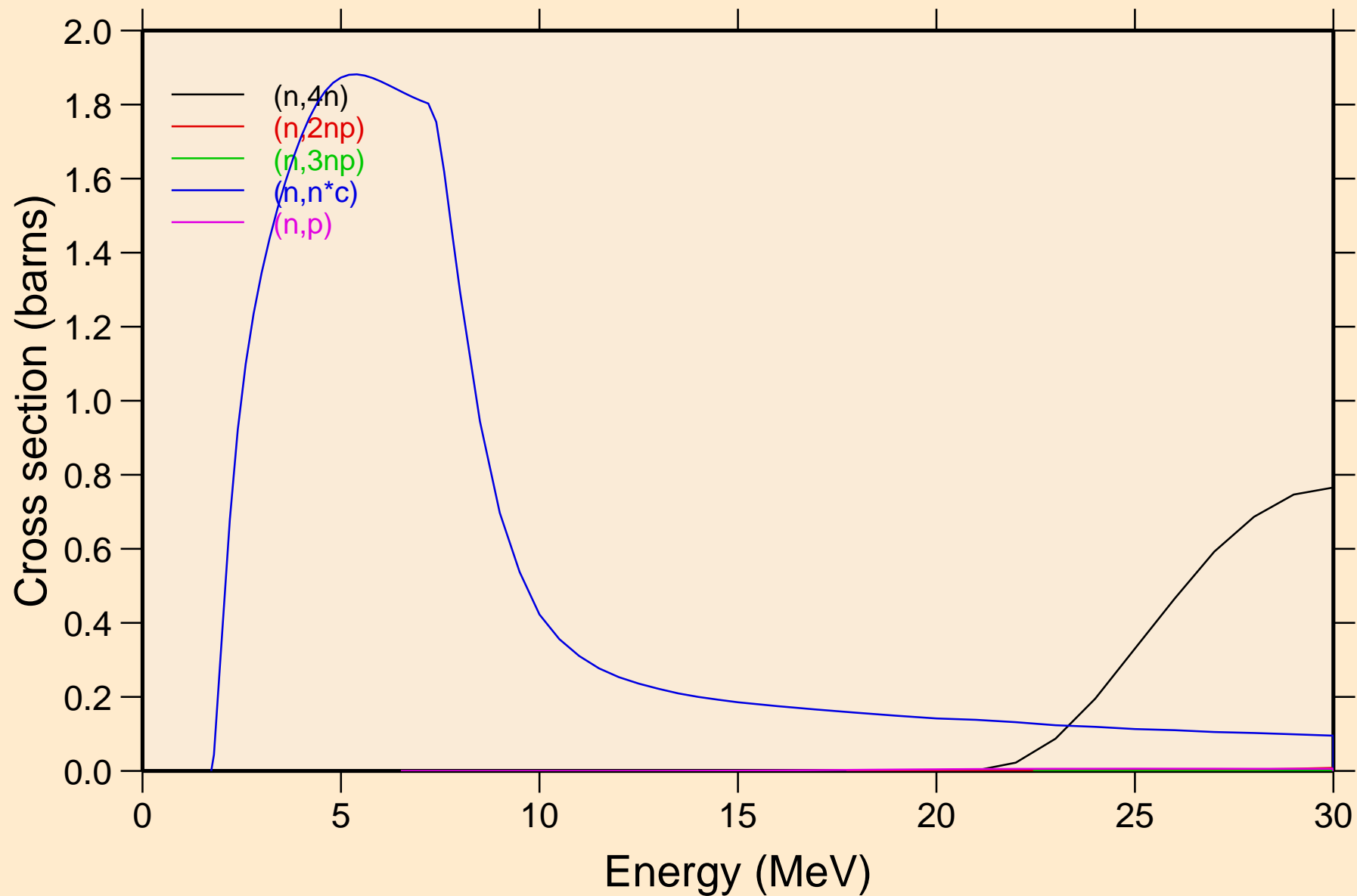
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## Threshold reactions

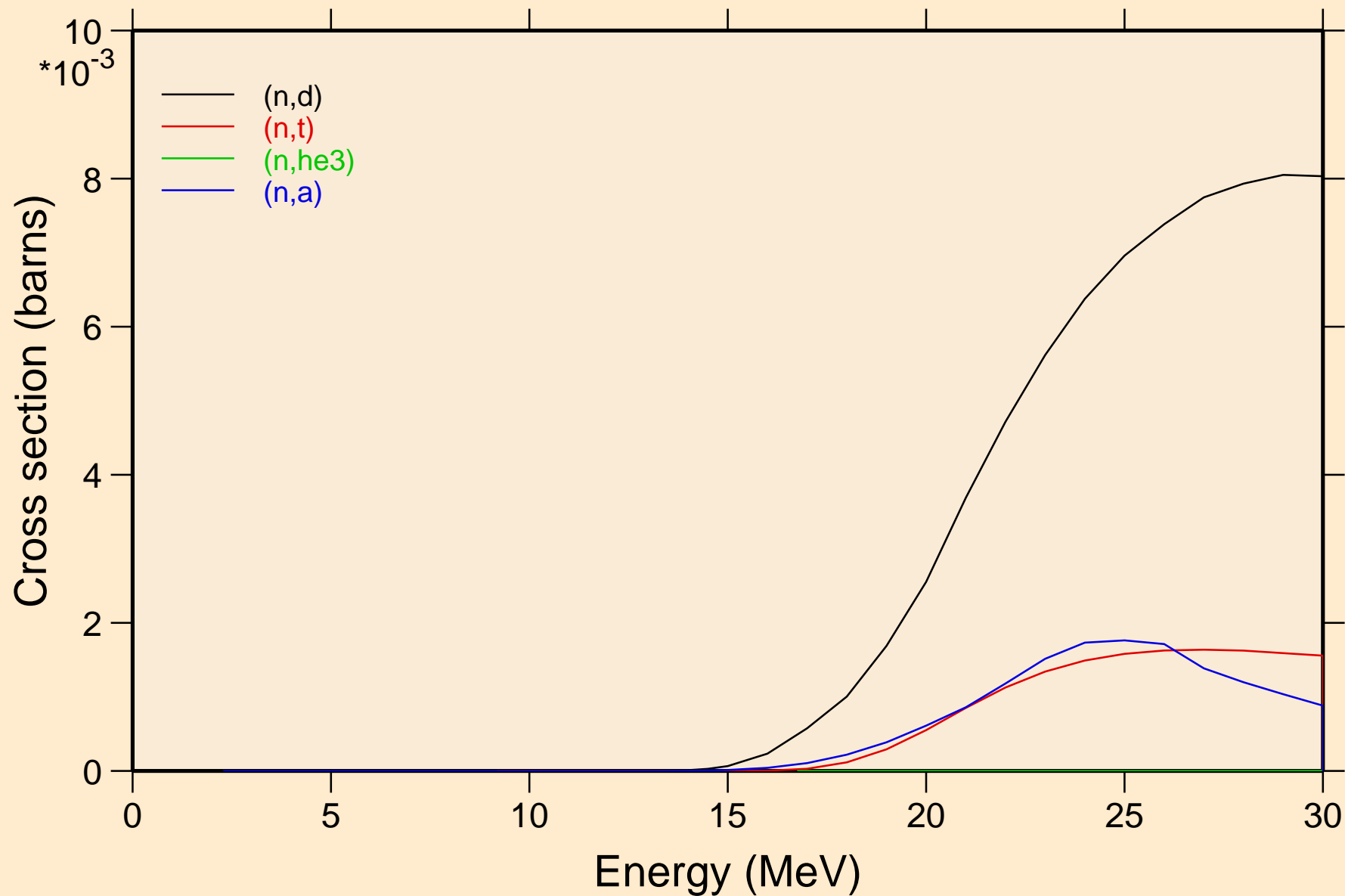




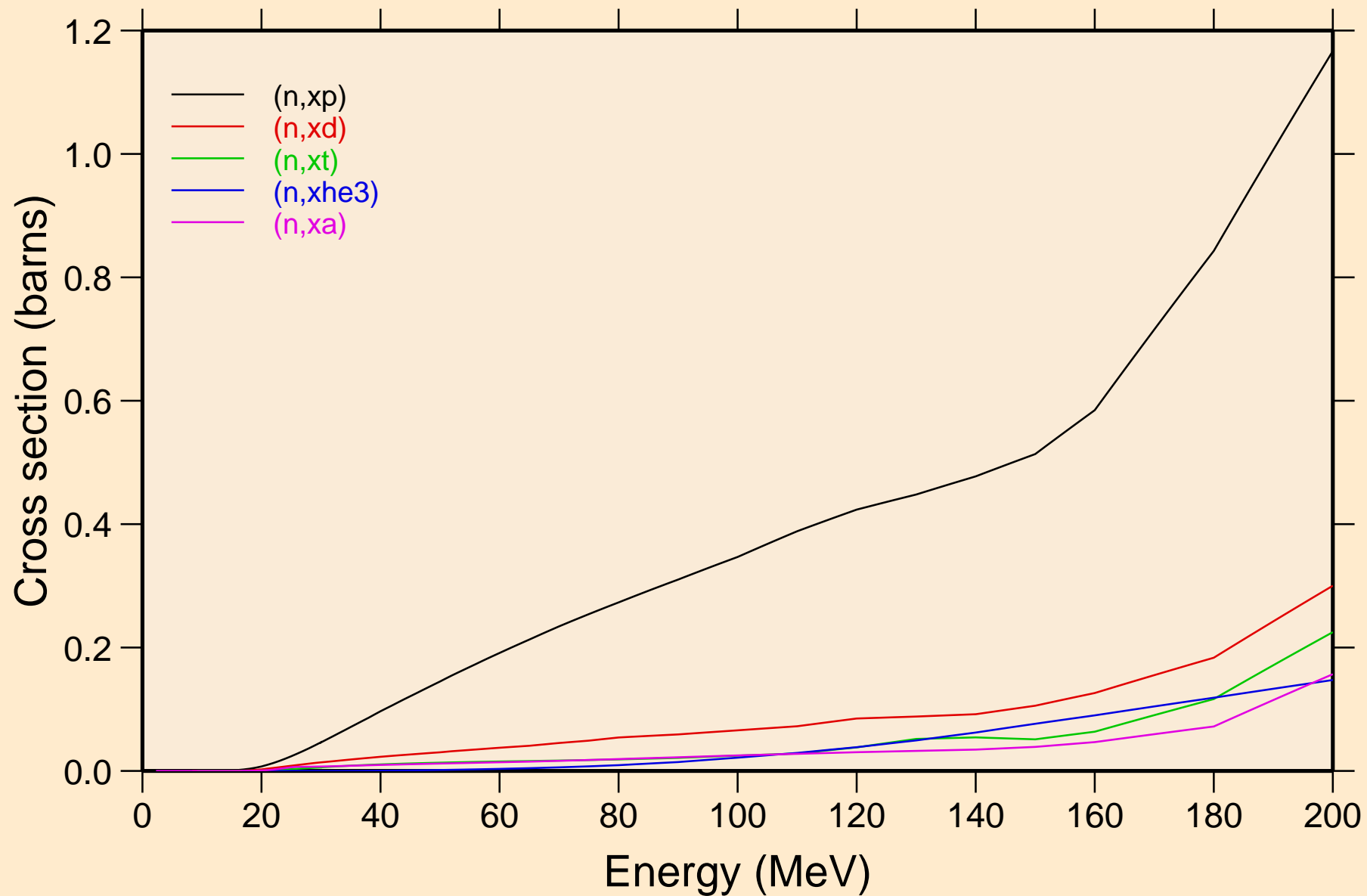
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



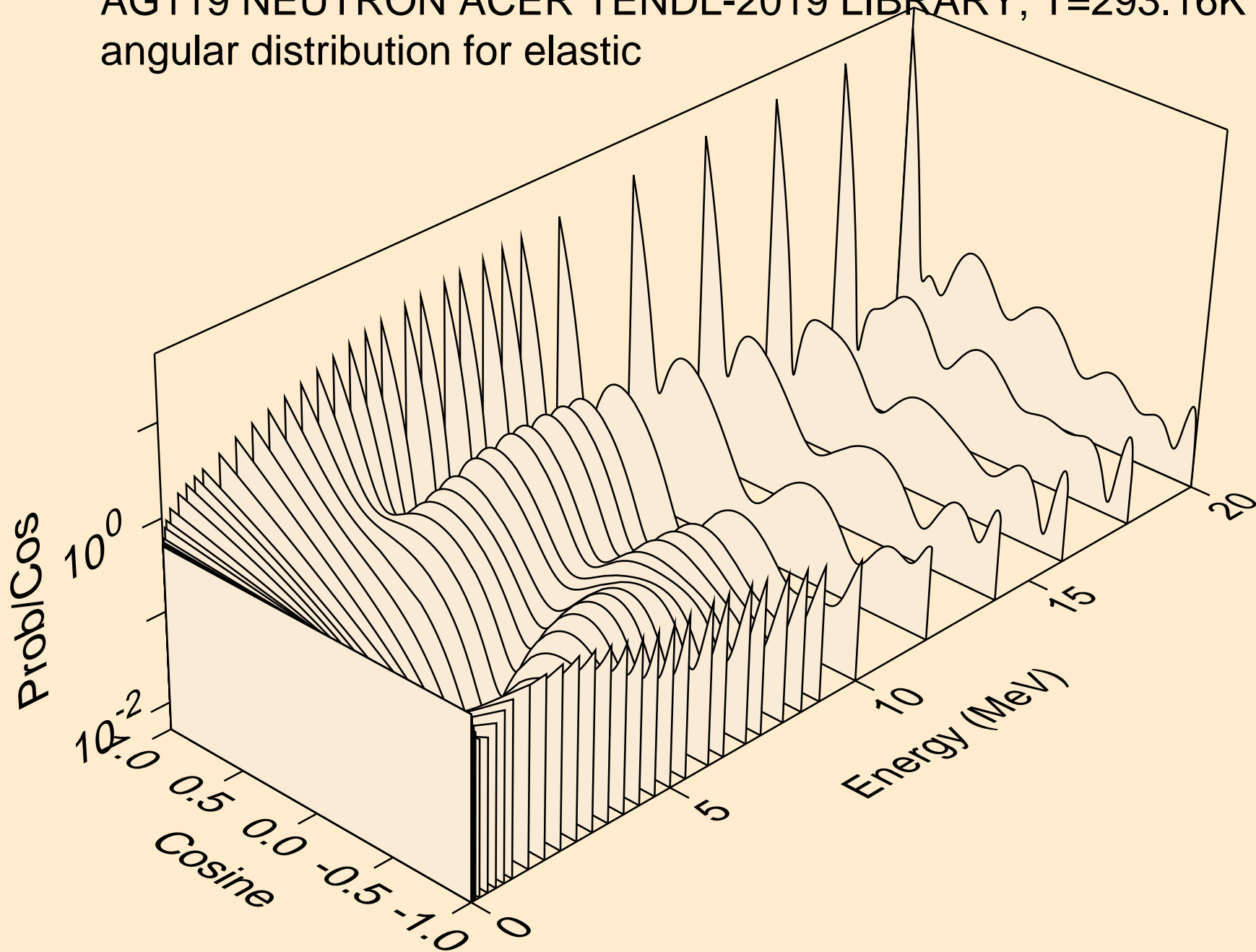
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



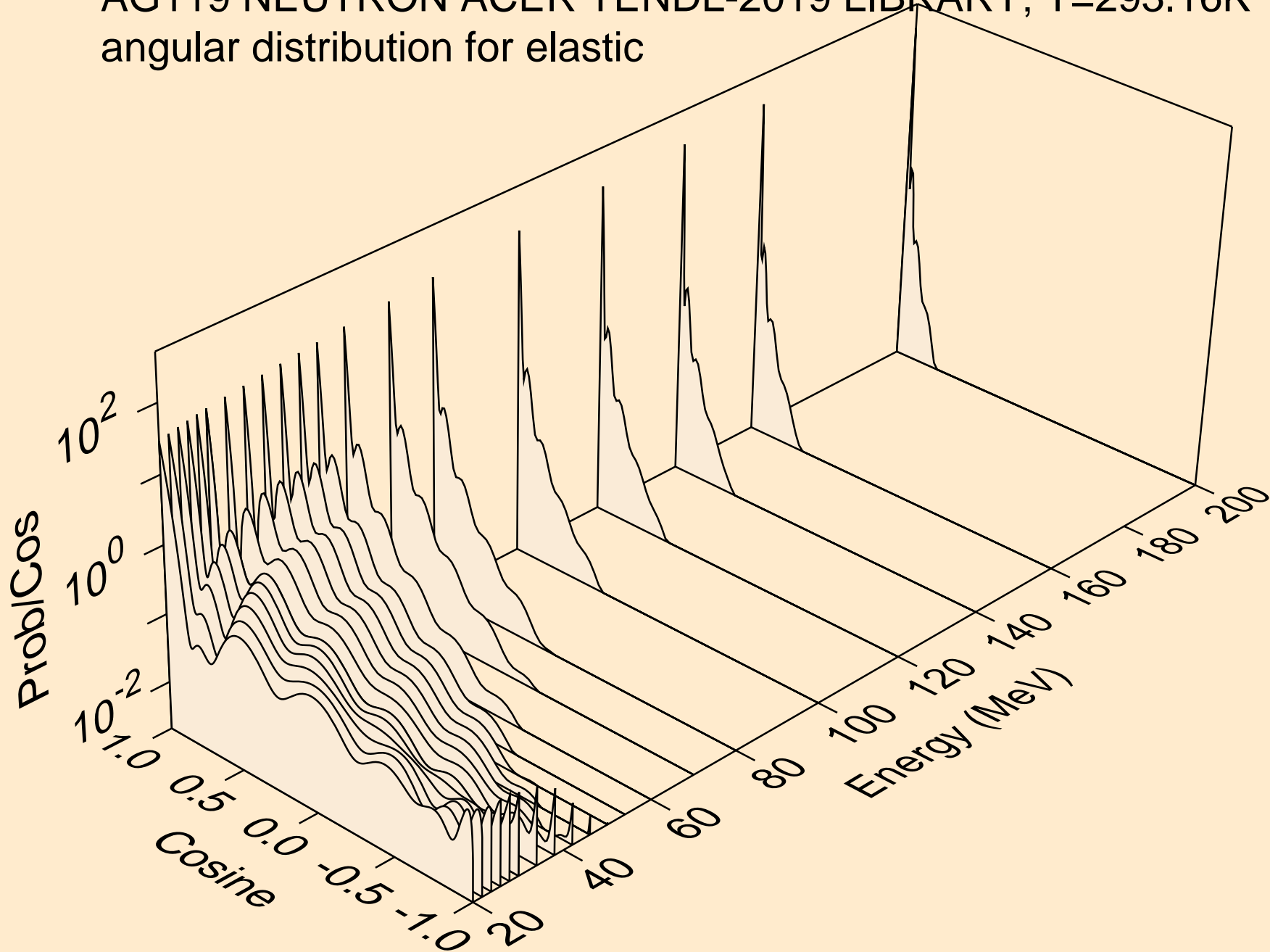
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



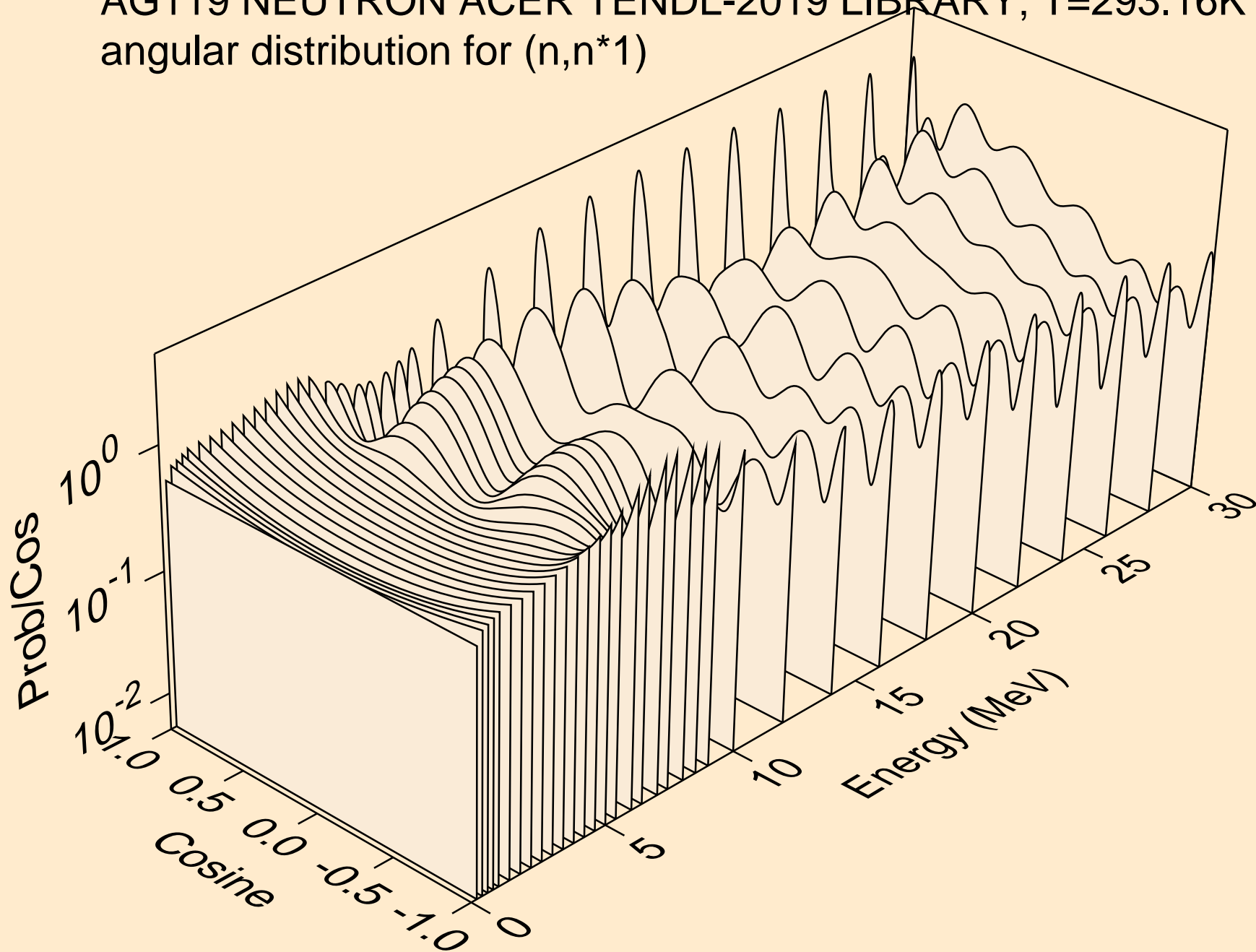
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



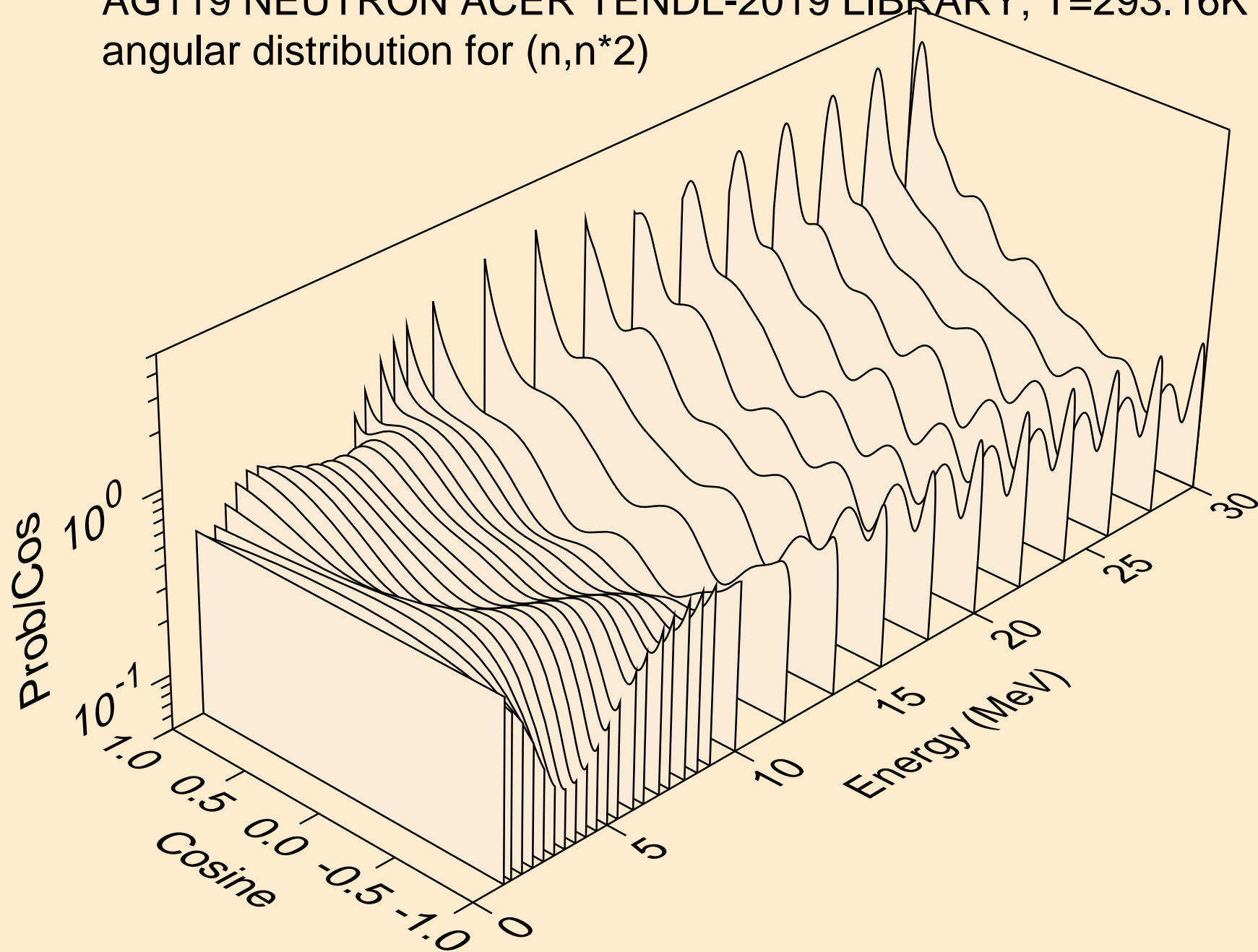
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



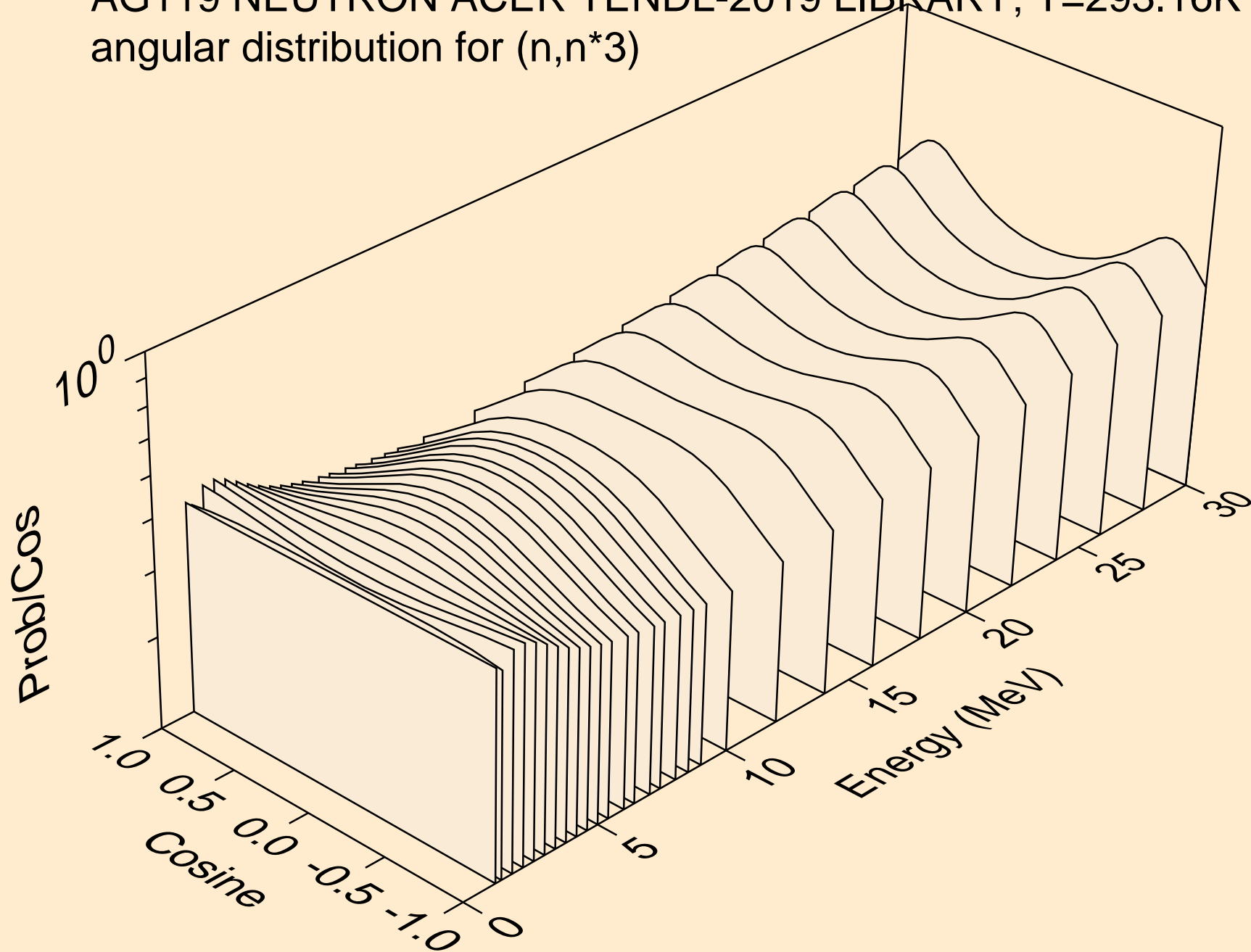
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

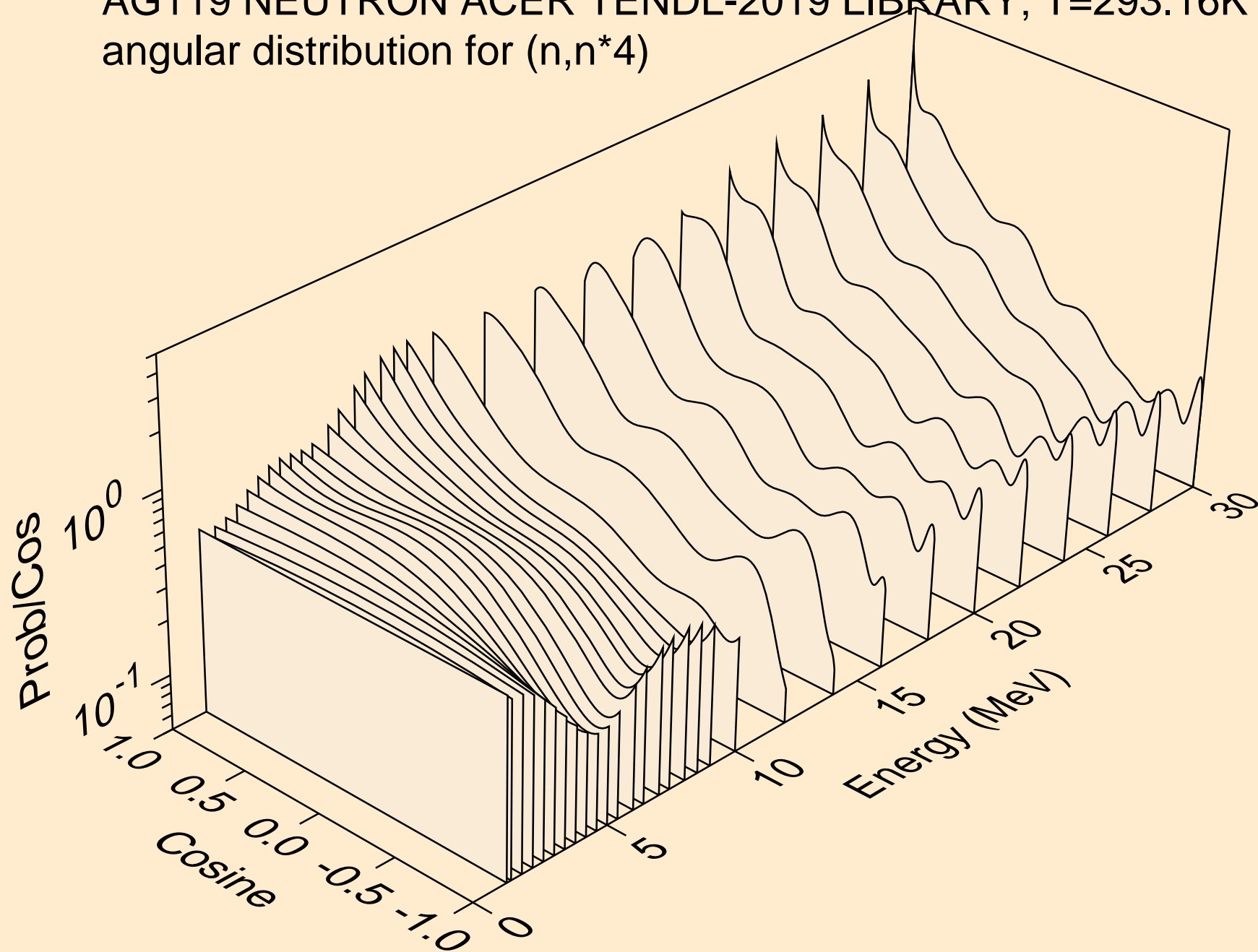


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

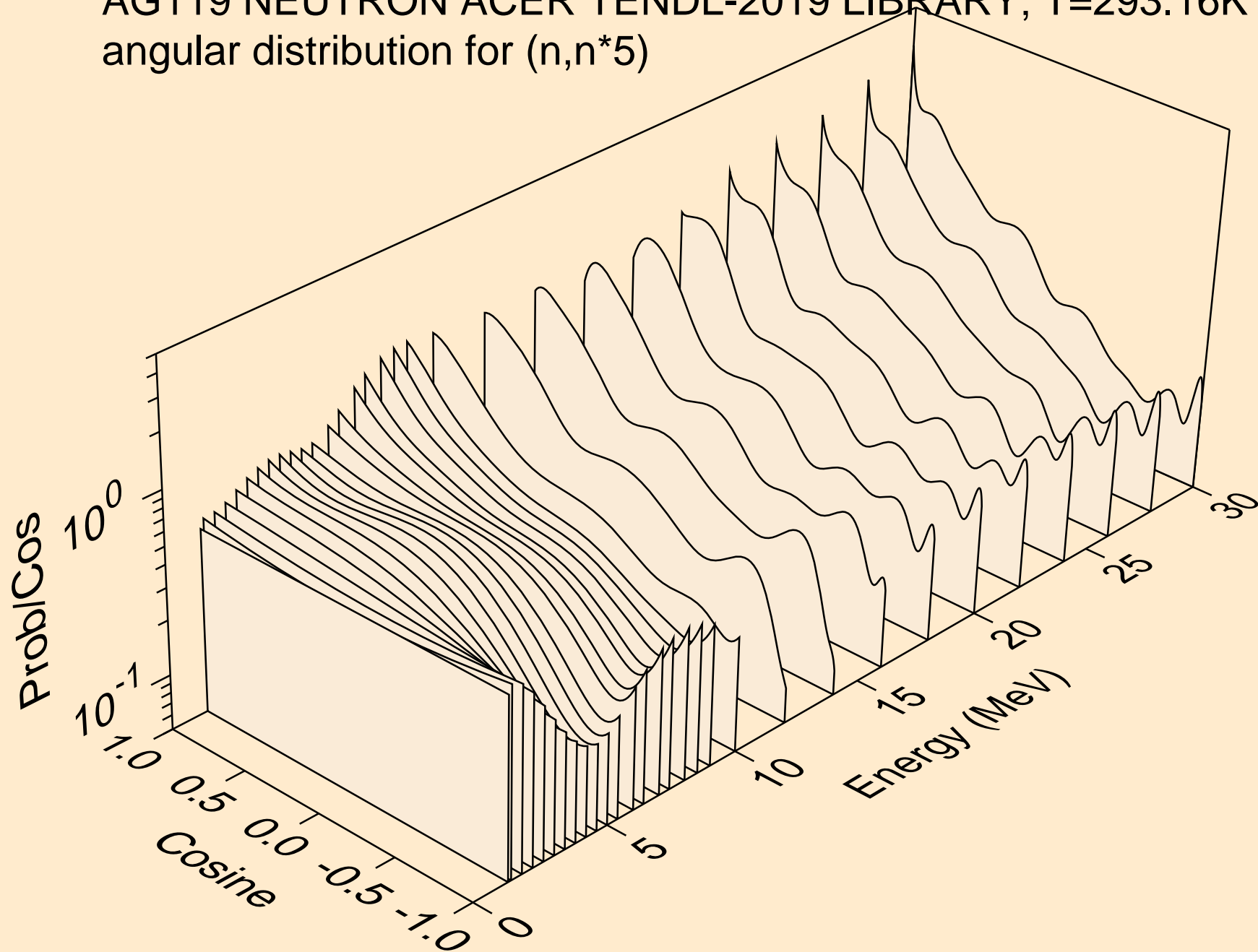




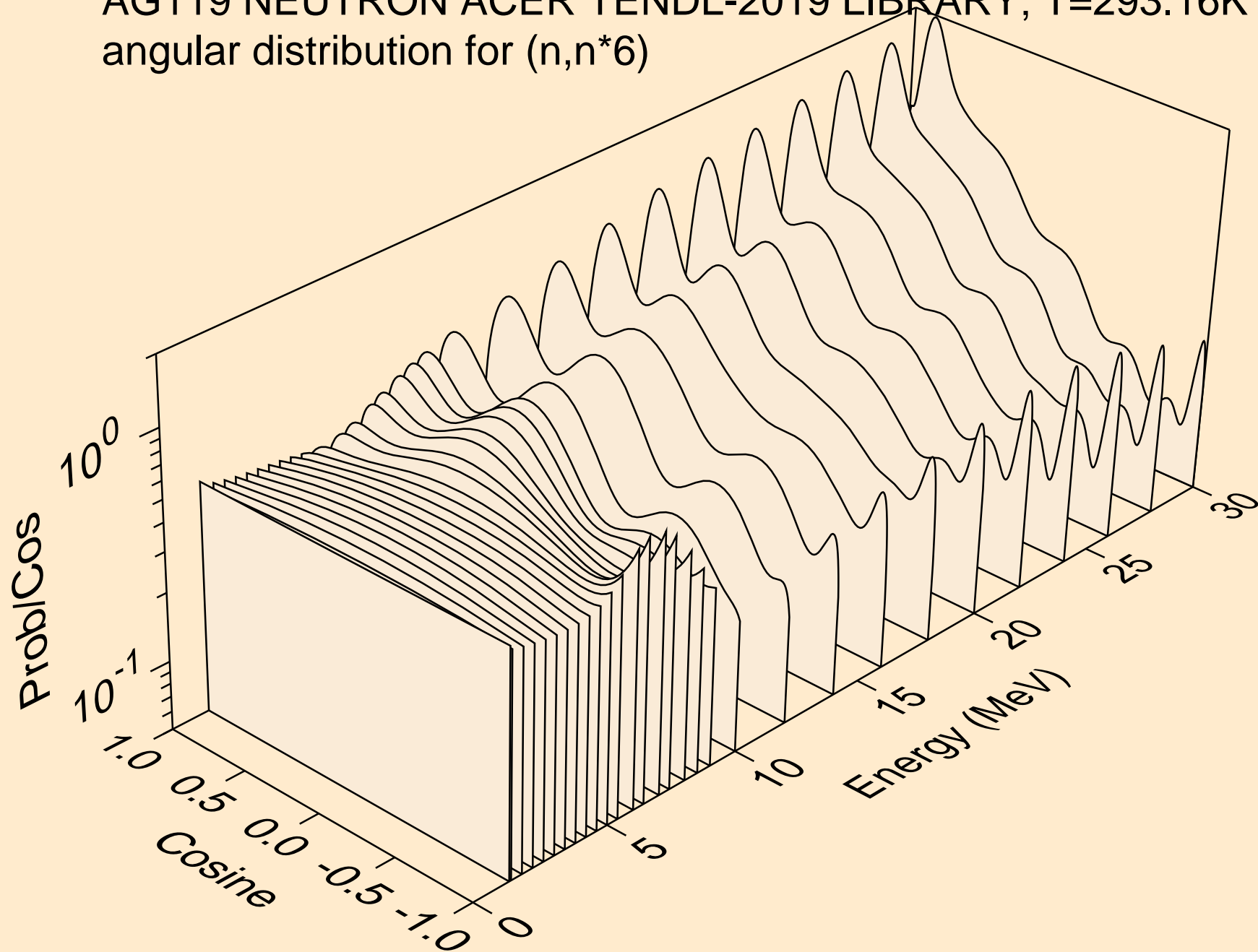
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angular distribution for (n,n\*4)



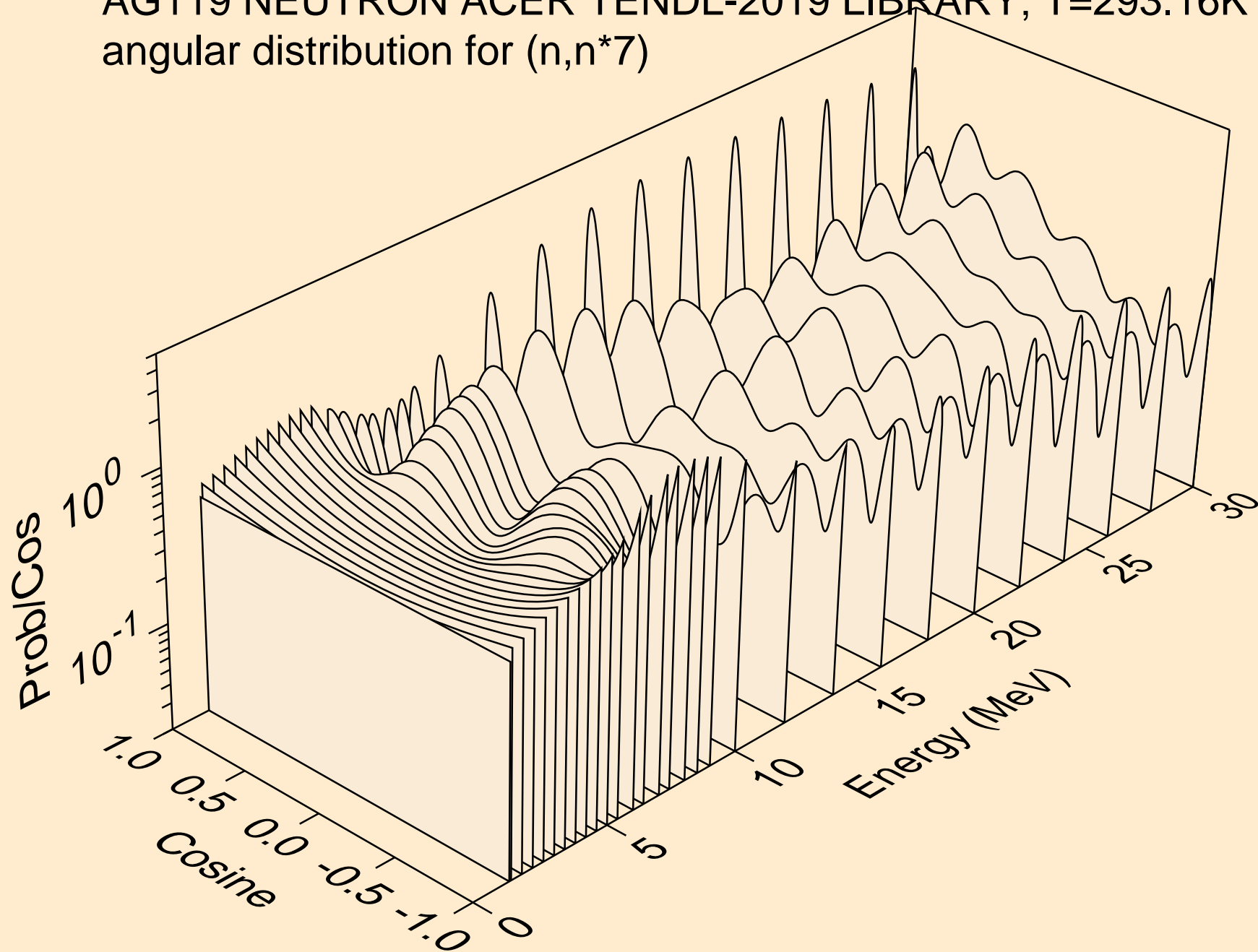
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angular distribution for (n,n\*5)



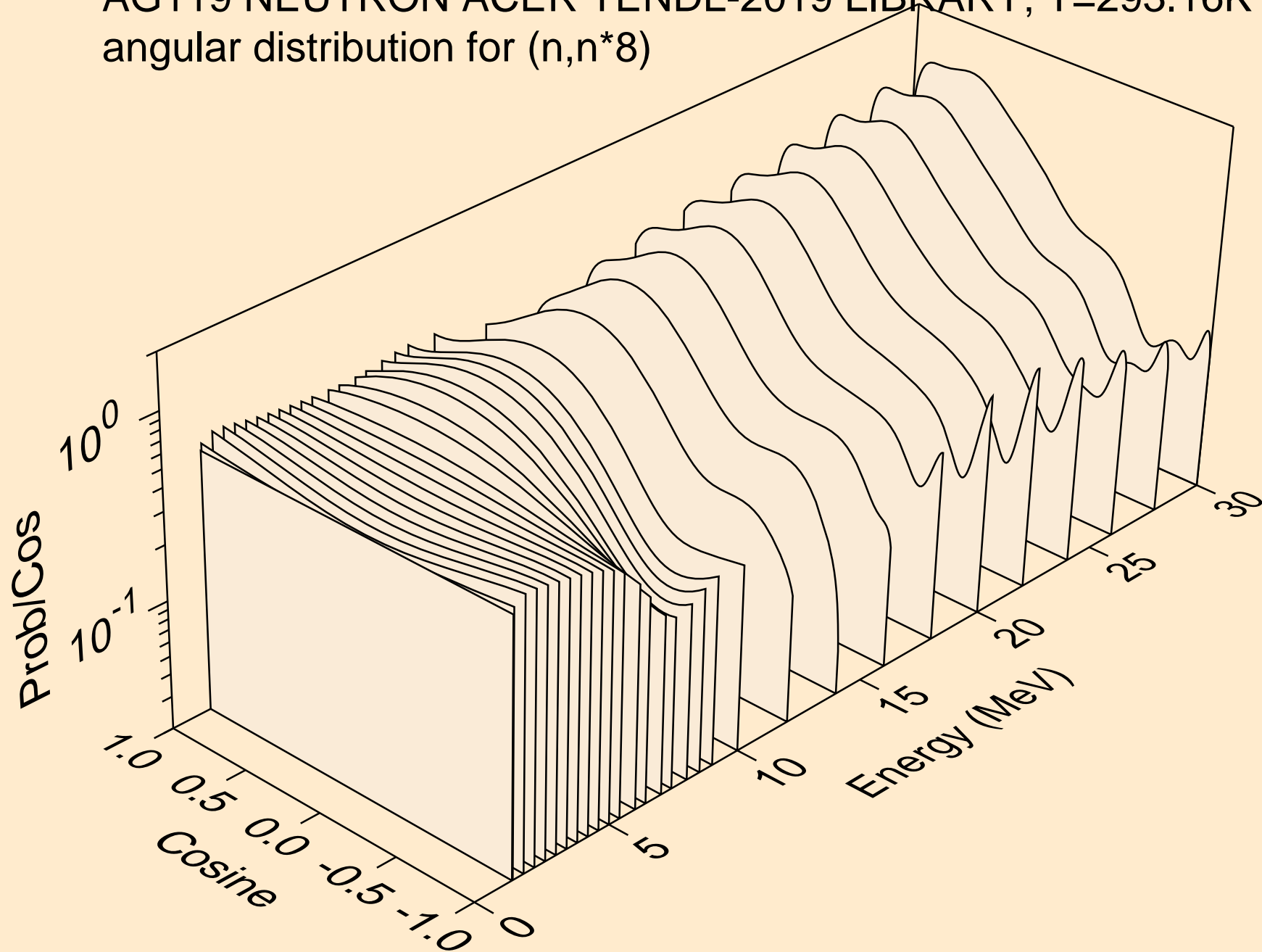
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angular distribution for (n,n\*6)



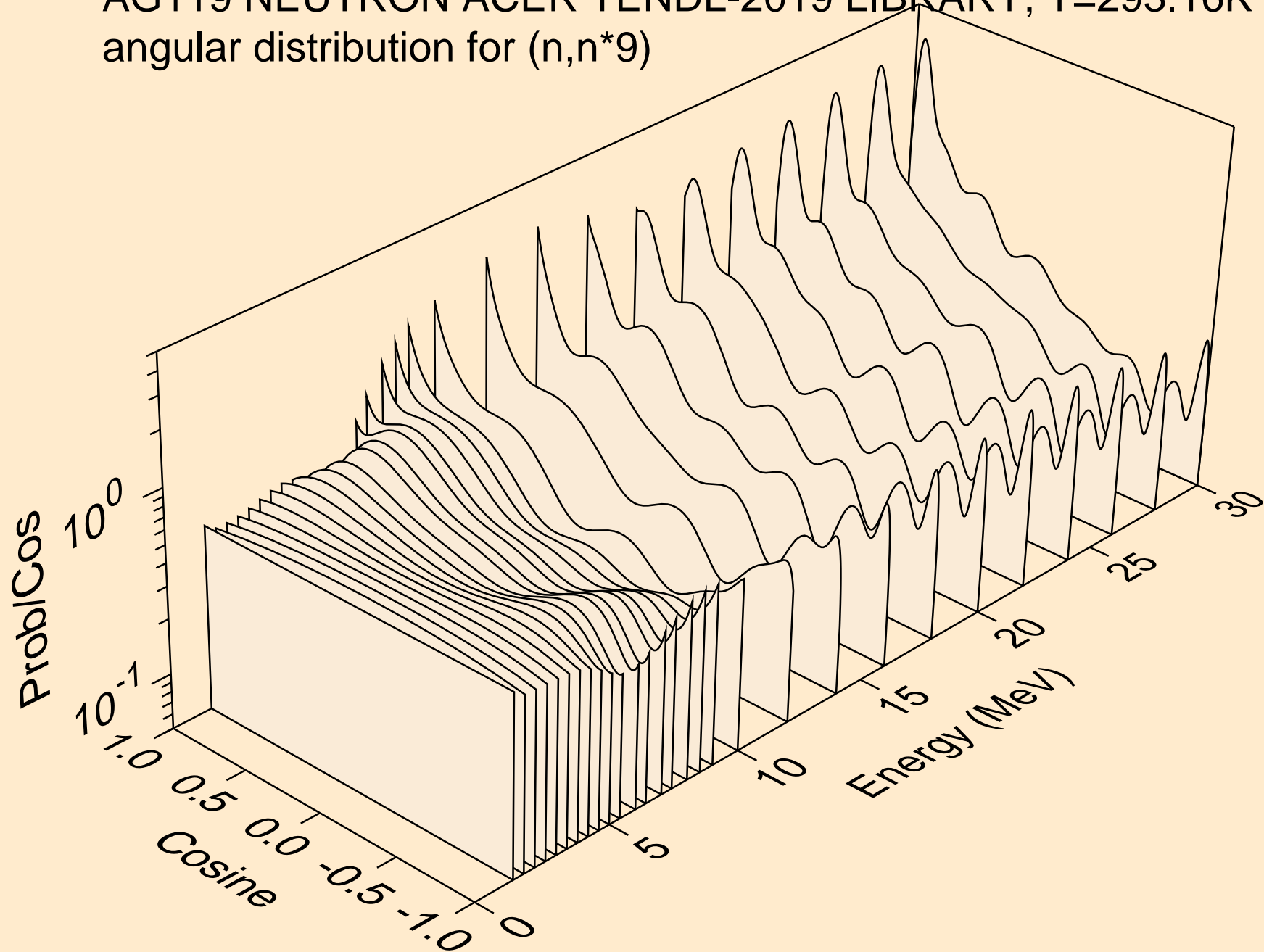
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angular distribution for (n,n\*7)



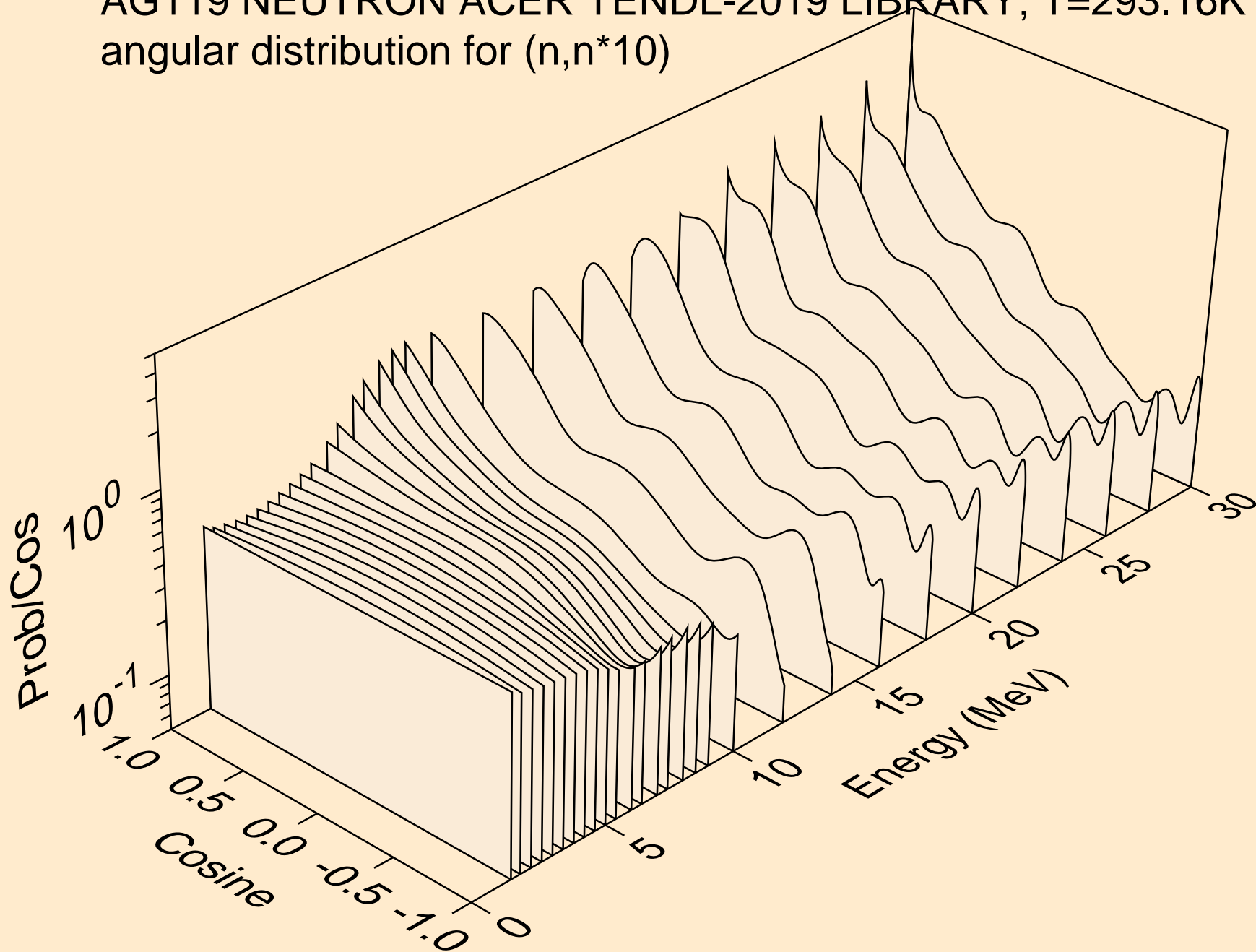
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angular distribution for (n,n\*8)



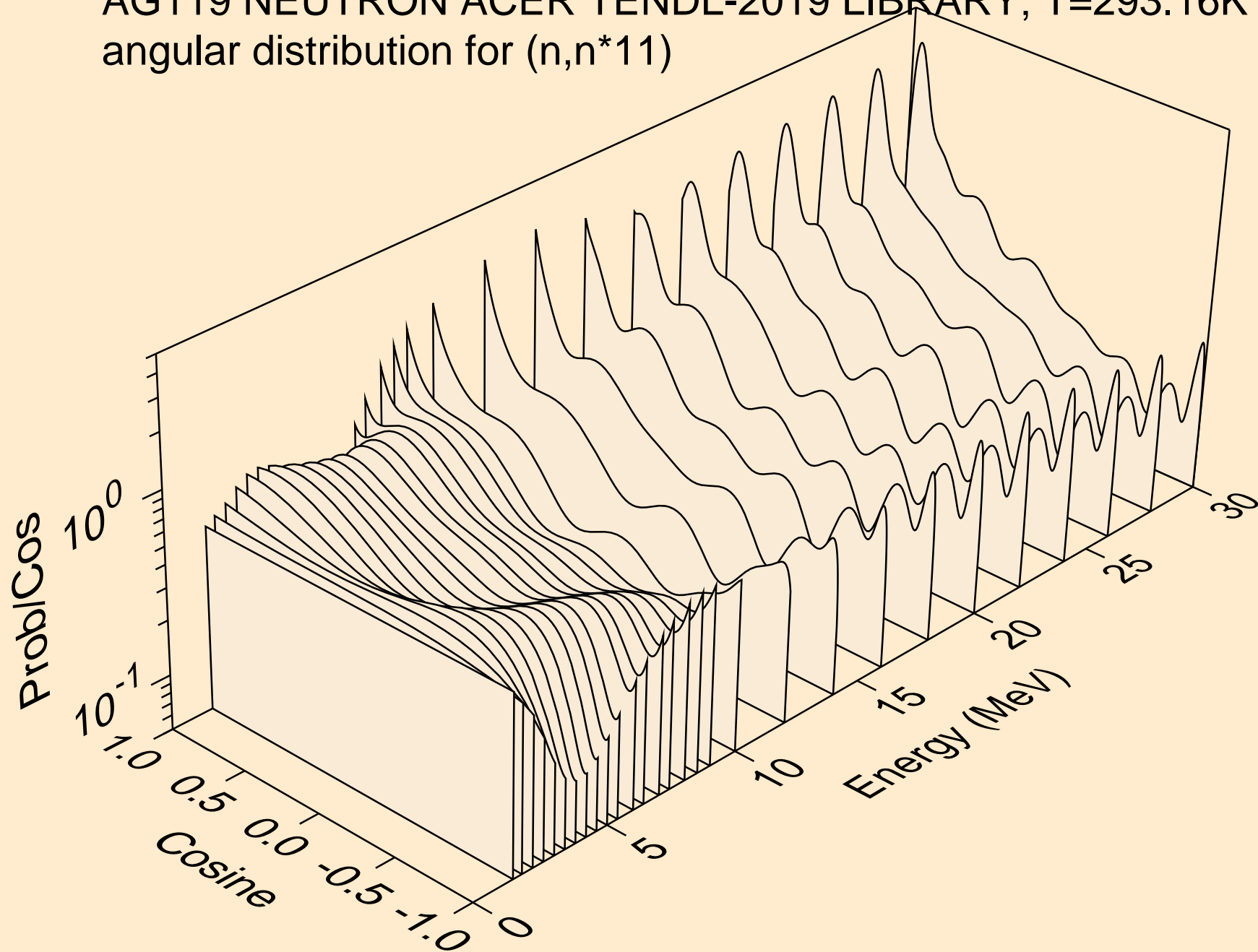
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

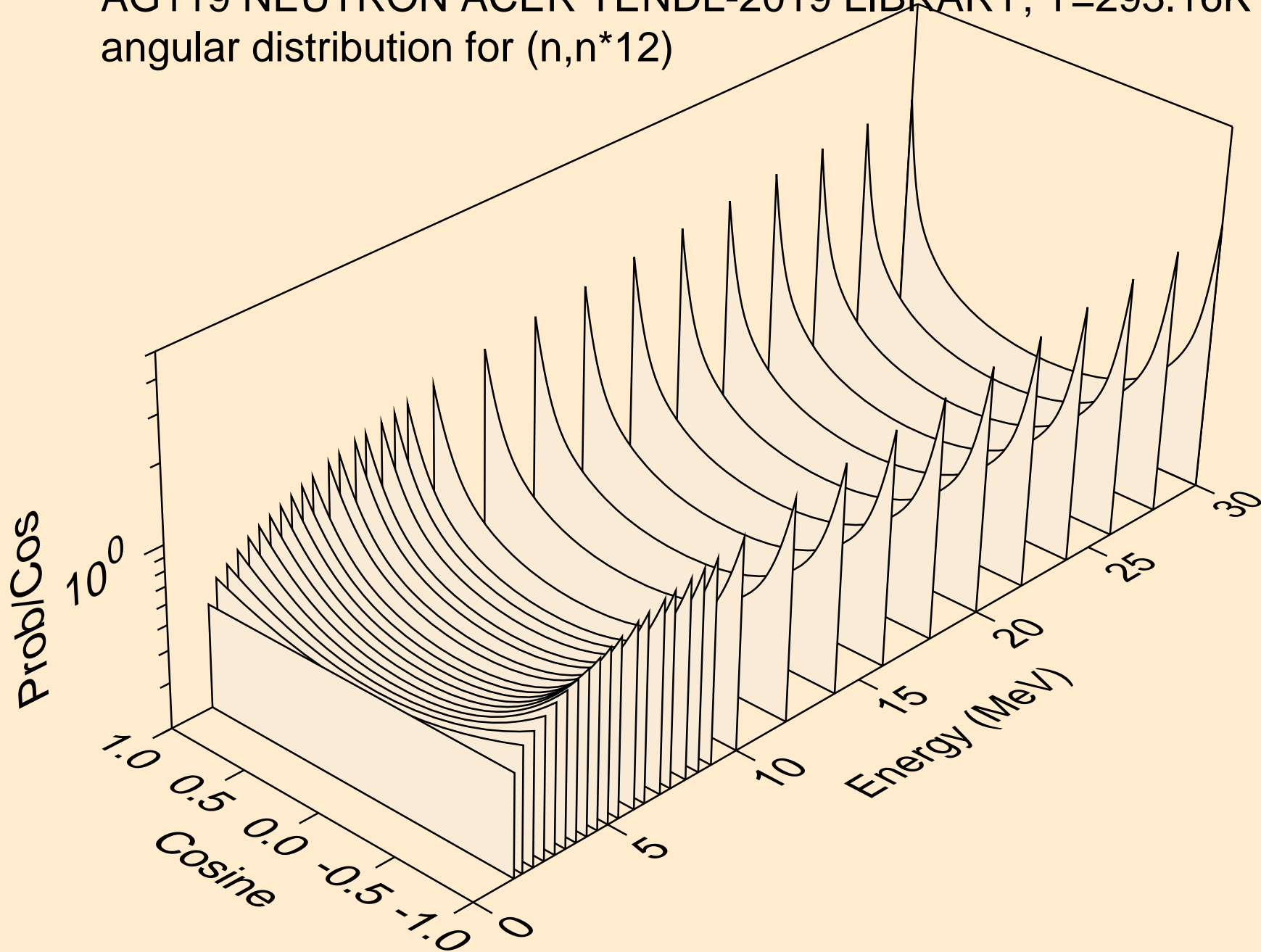


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

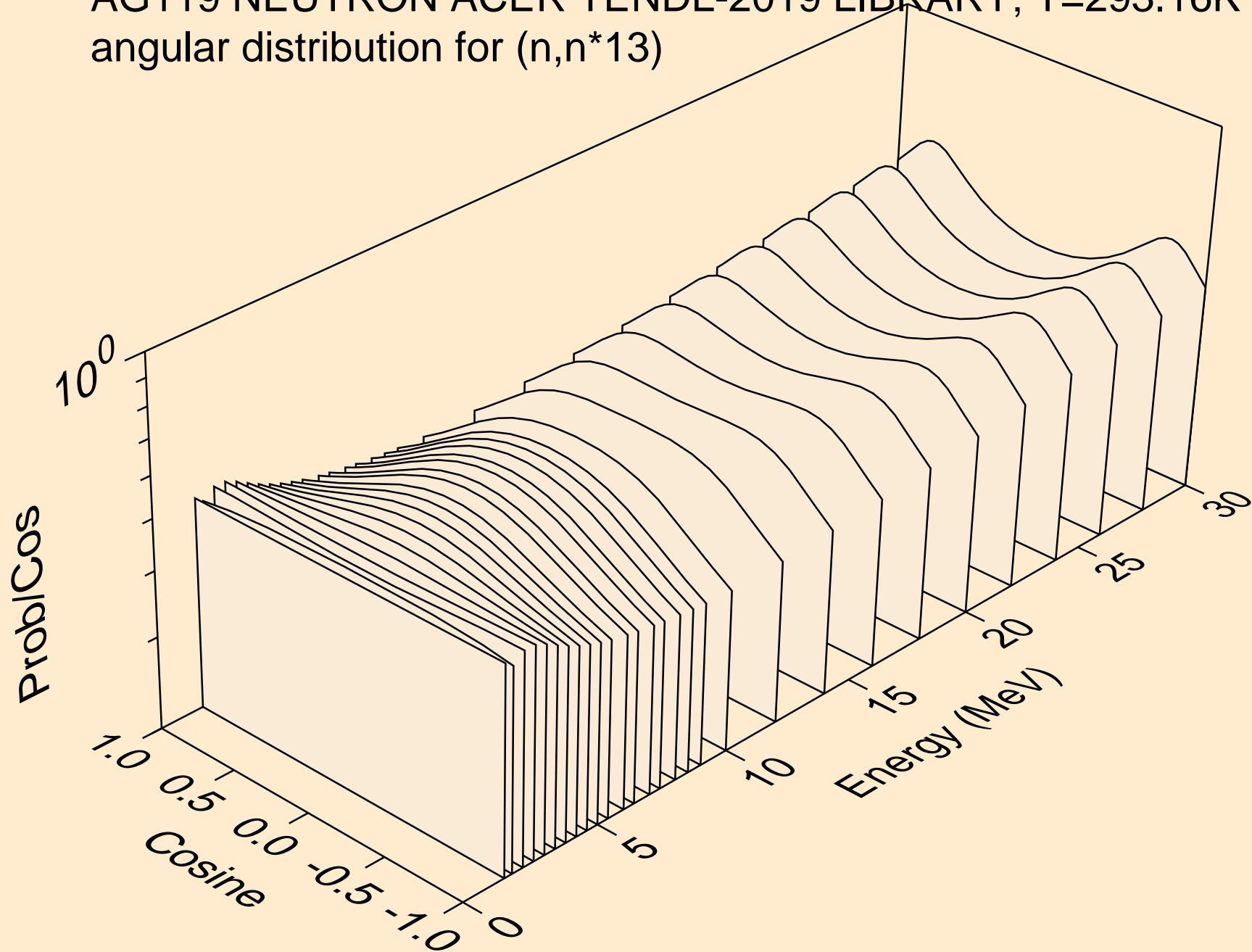




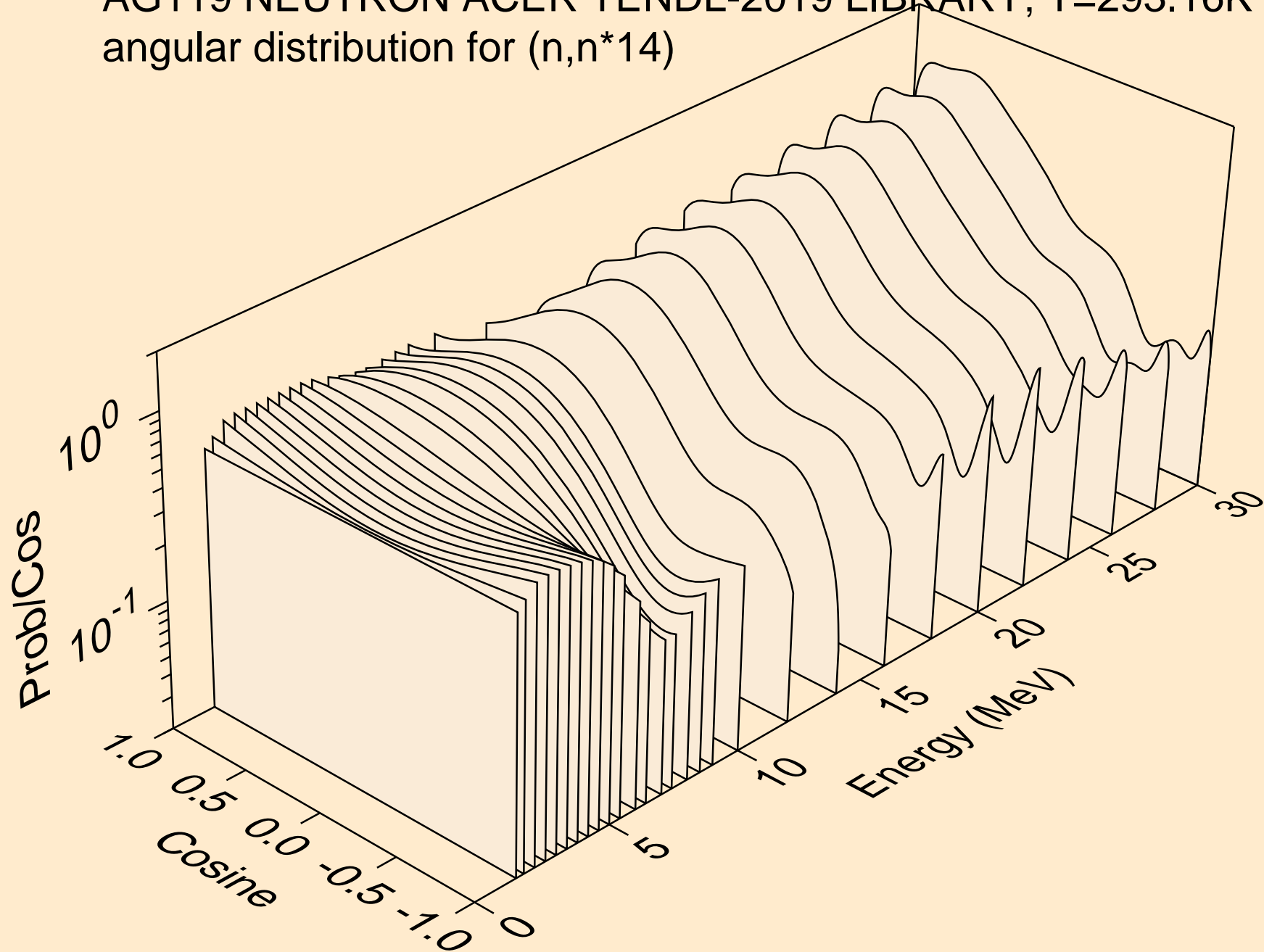
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angular distribution for (n,n\*12)



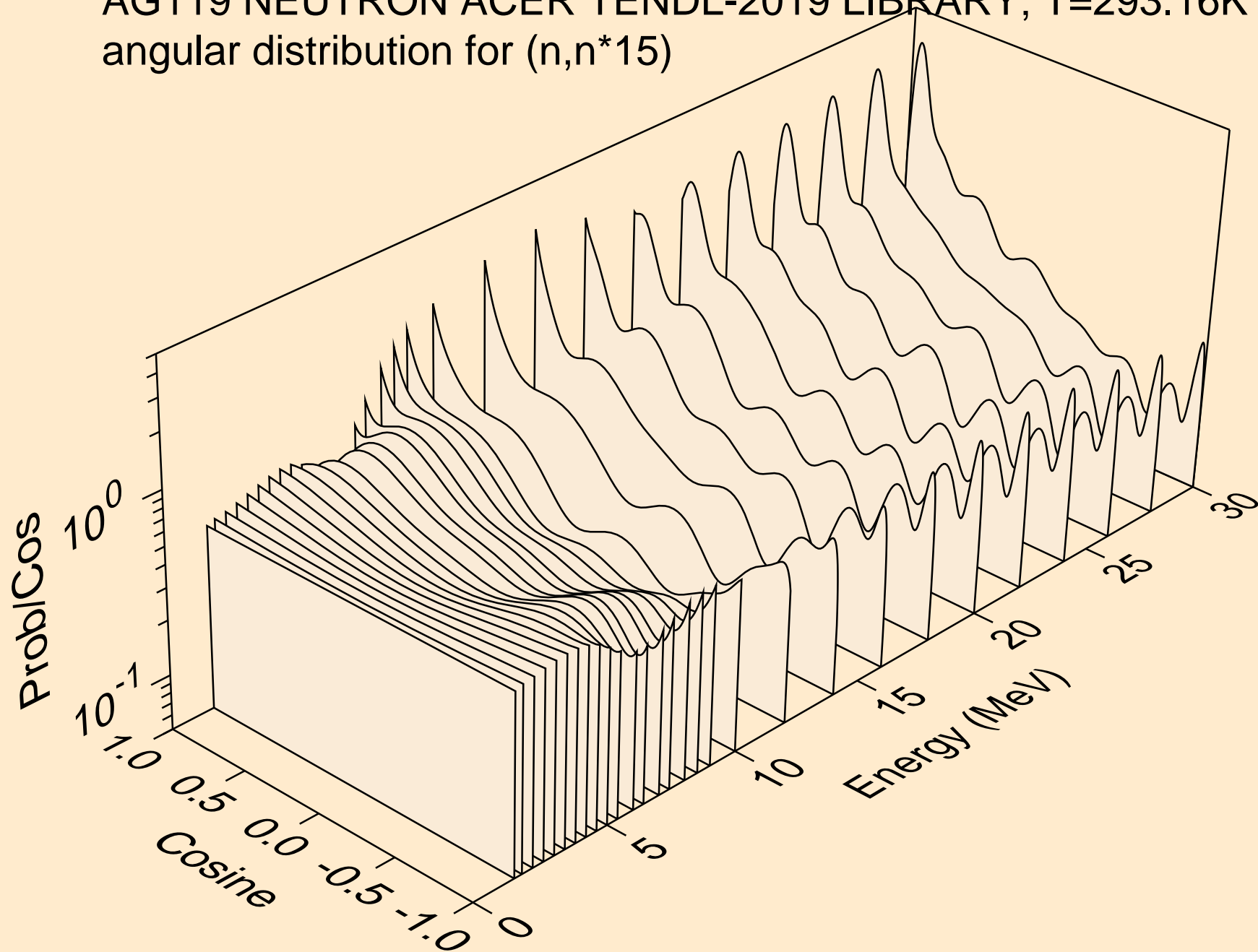
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angular distribution for (n,n\*13)



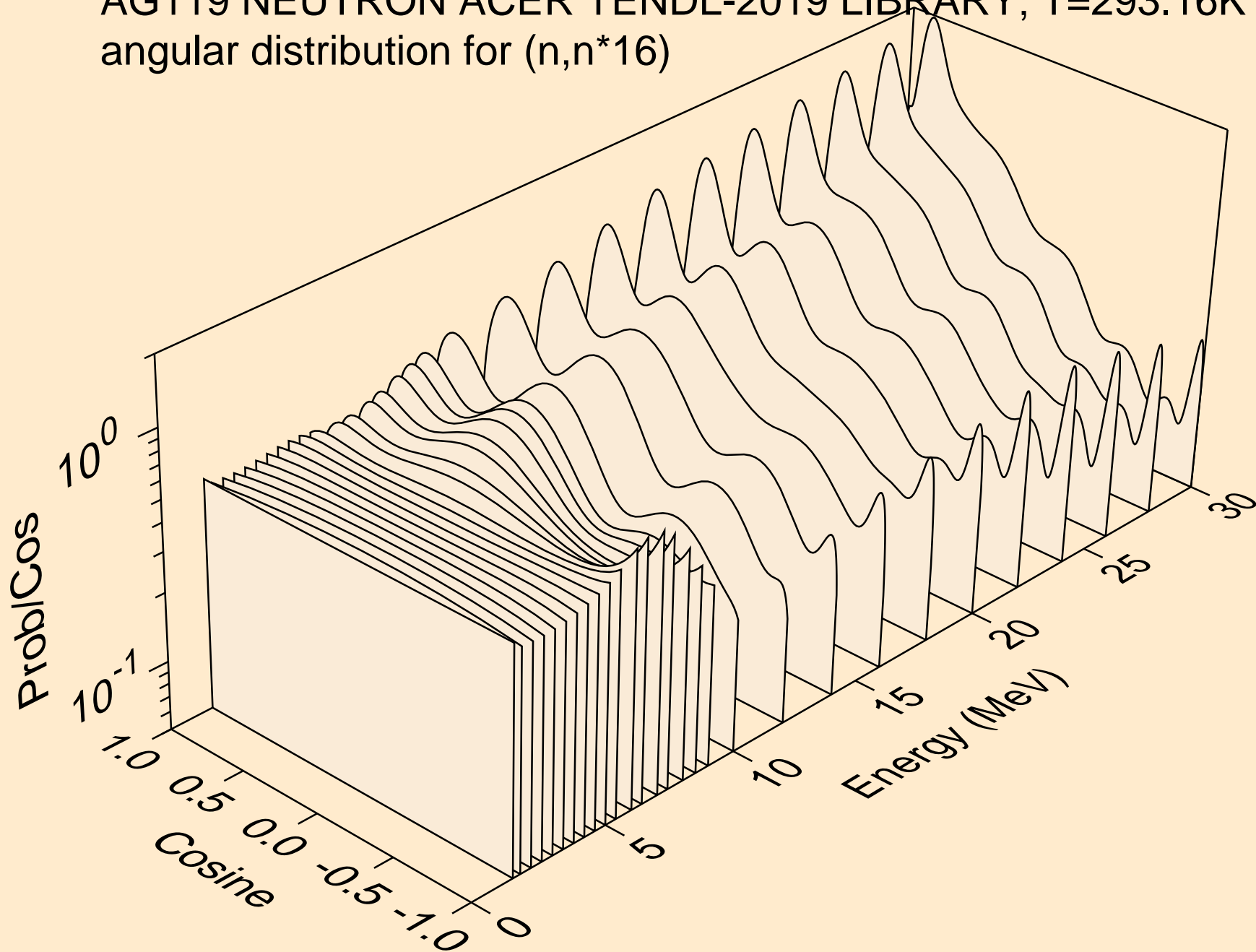
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angular distribution for (n,n\*14)



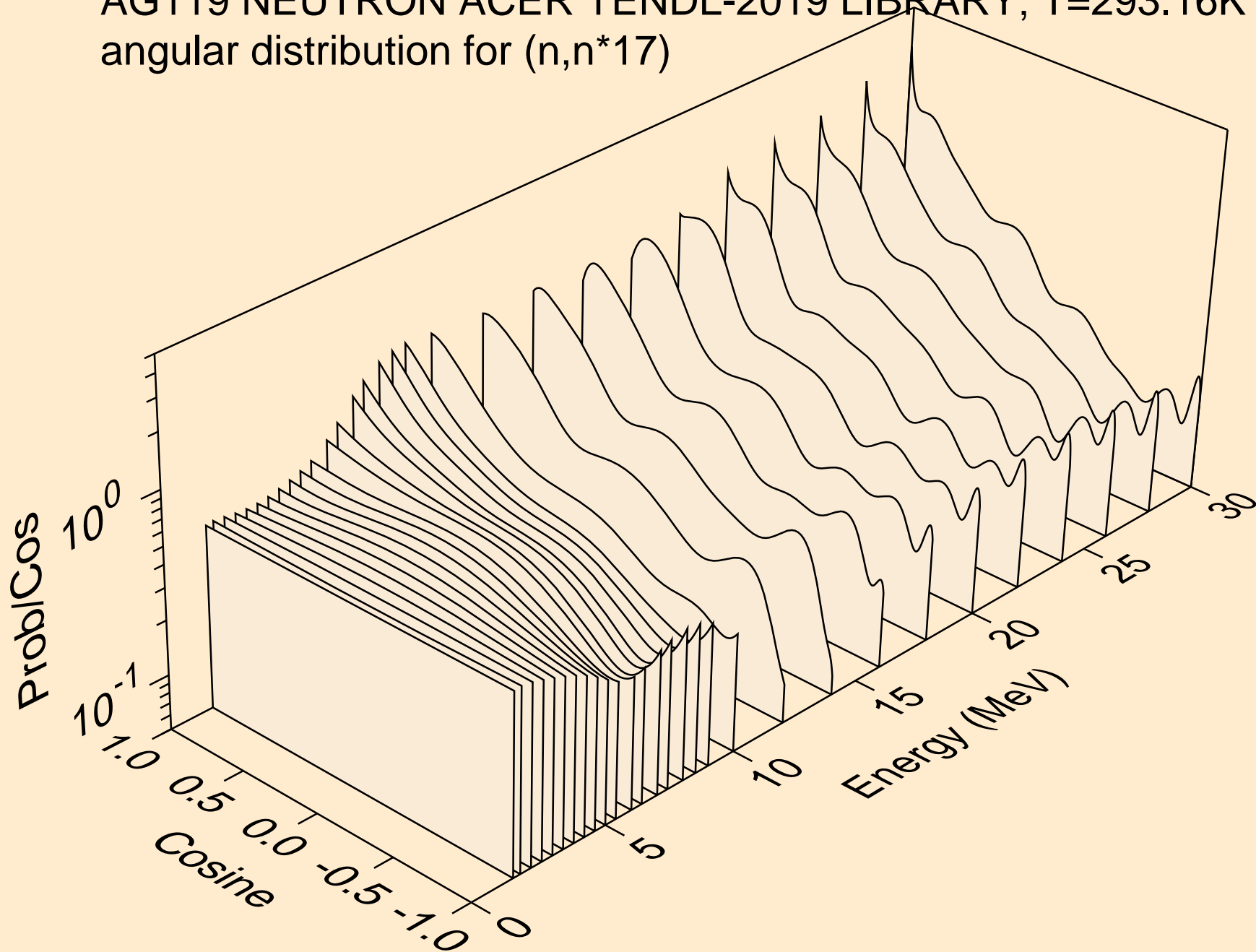
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angular distribution for (n,n\*15)



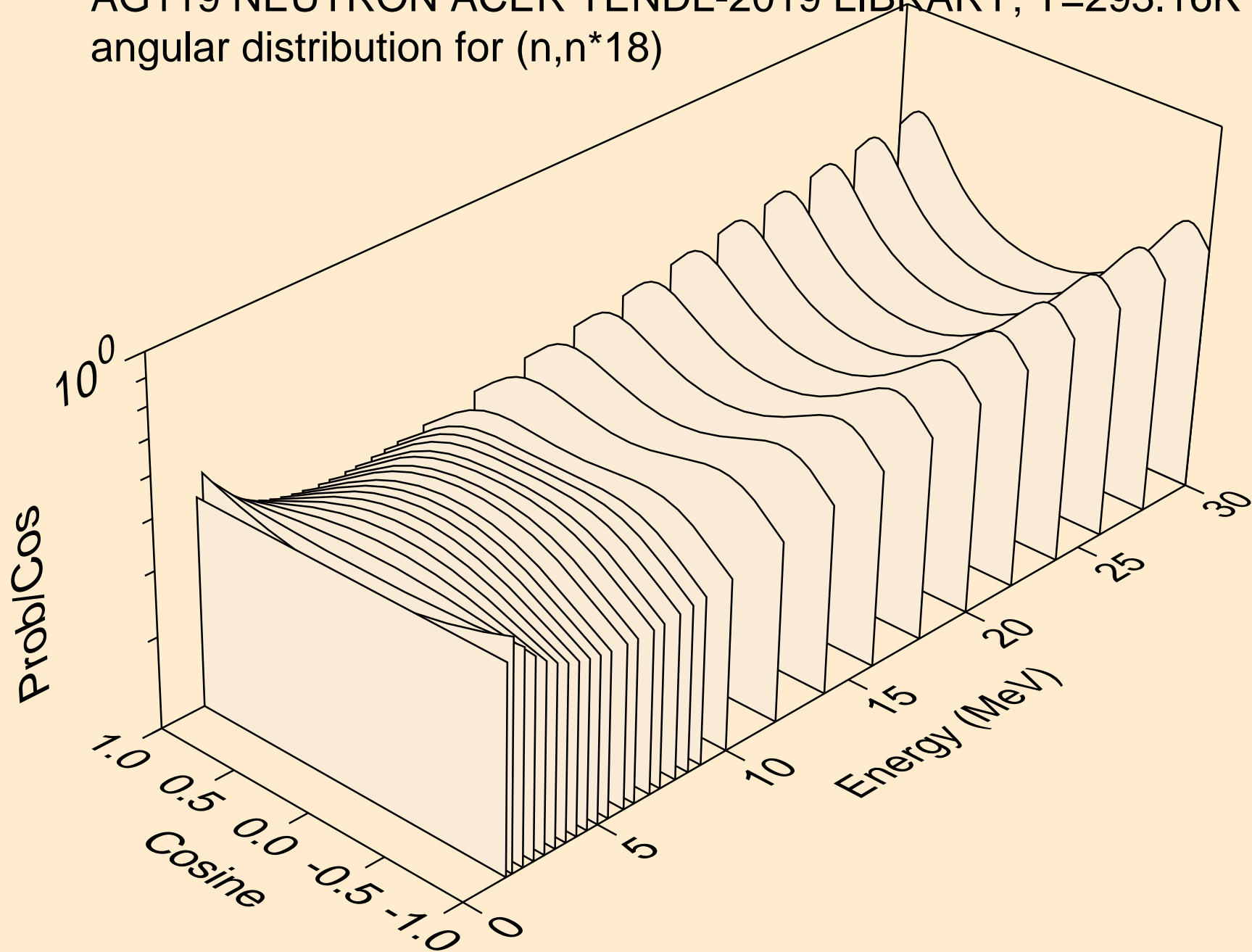
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angular distribution for (n,n\*16)



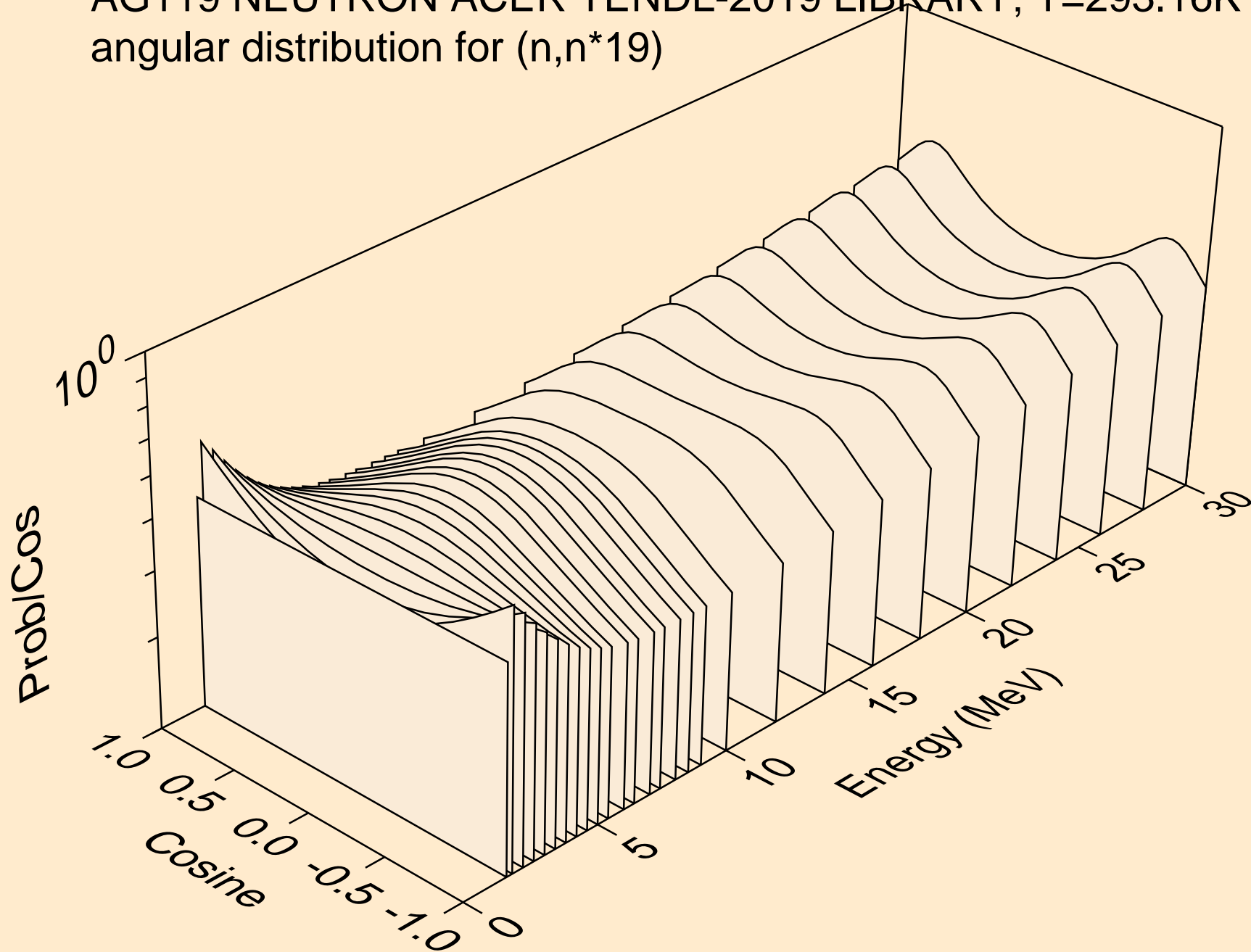
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

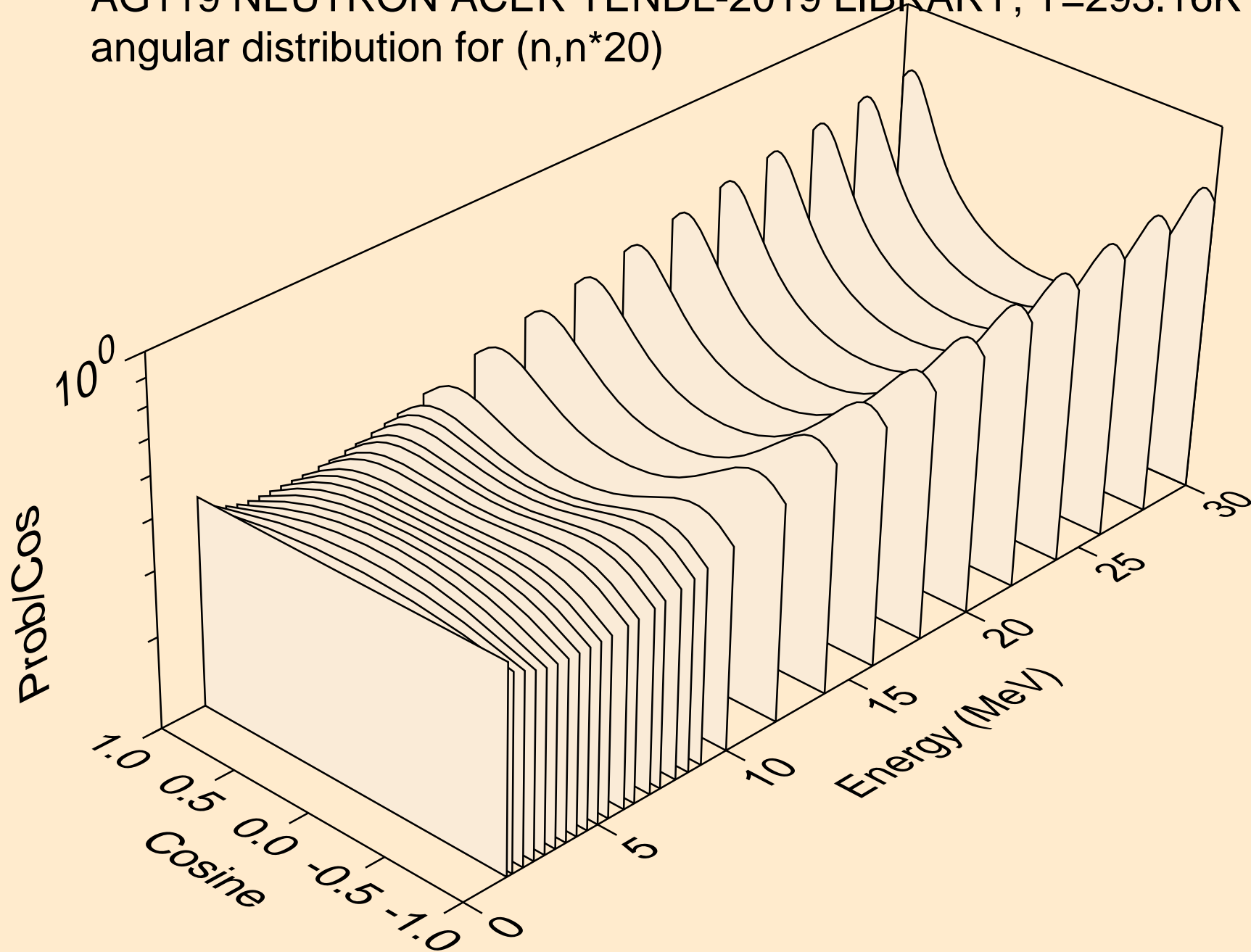


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

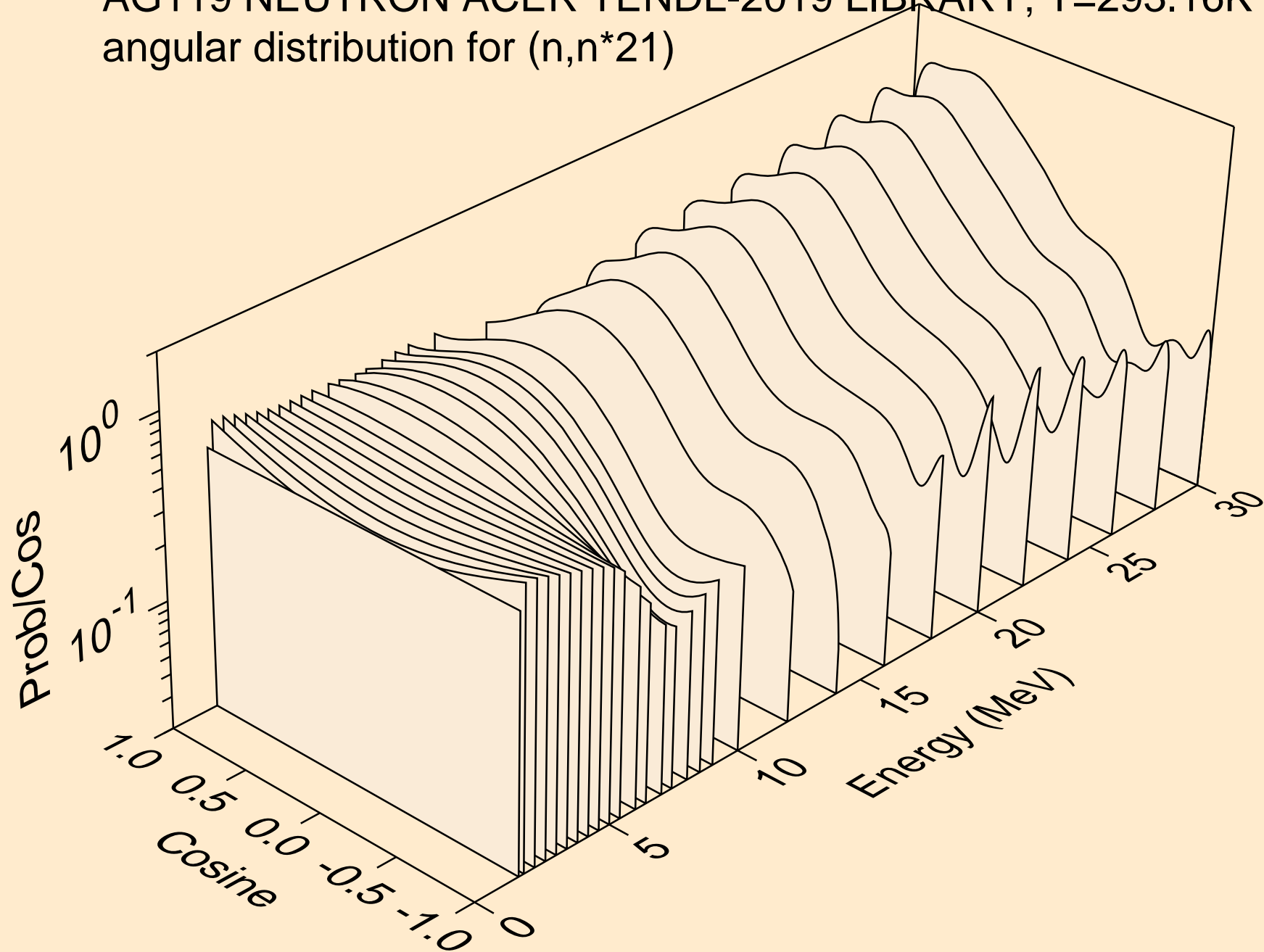




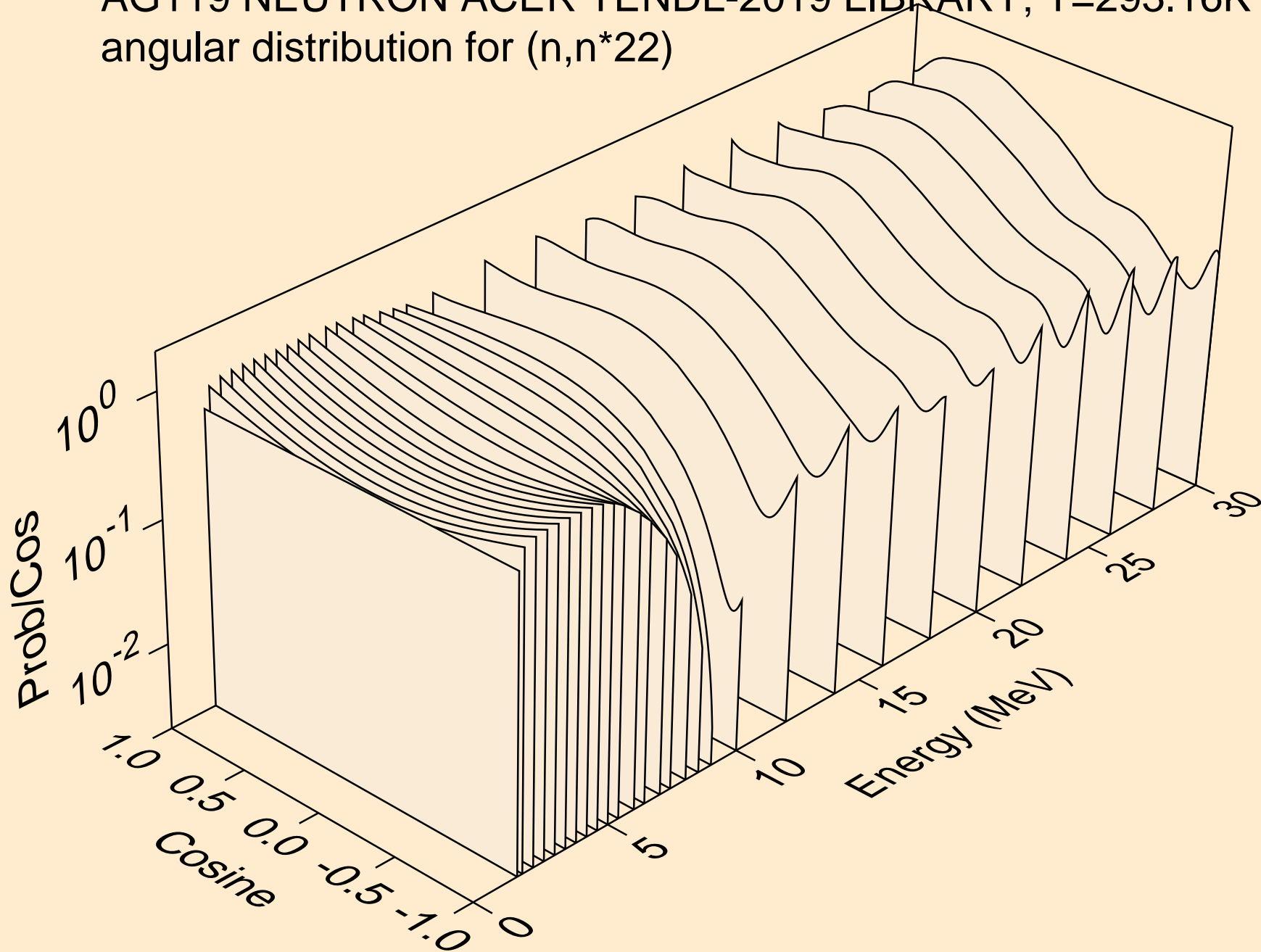
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angular distribution for (n,n\*20)



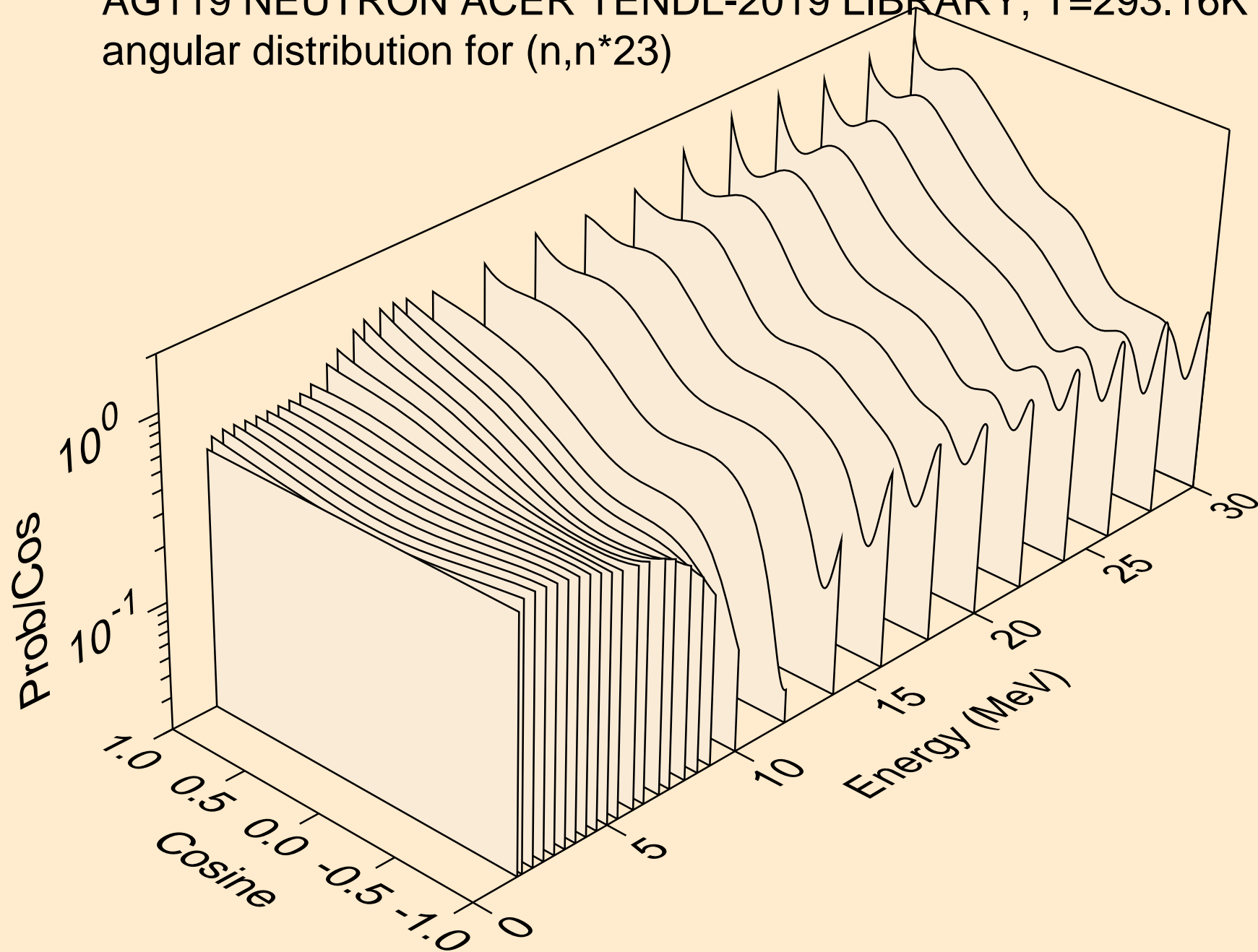
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angular distribution for (n,n\*21)



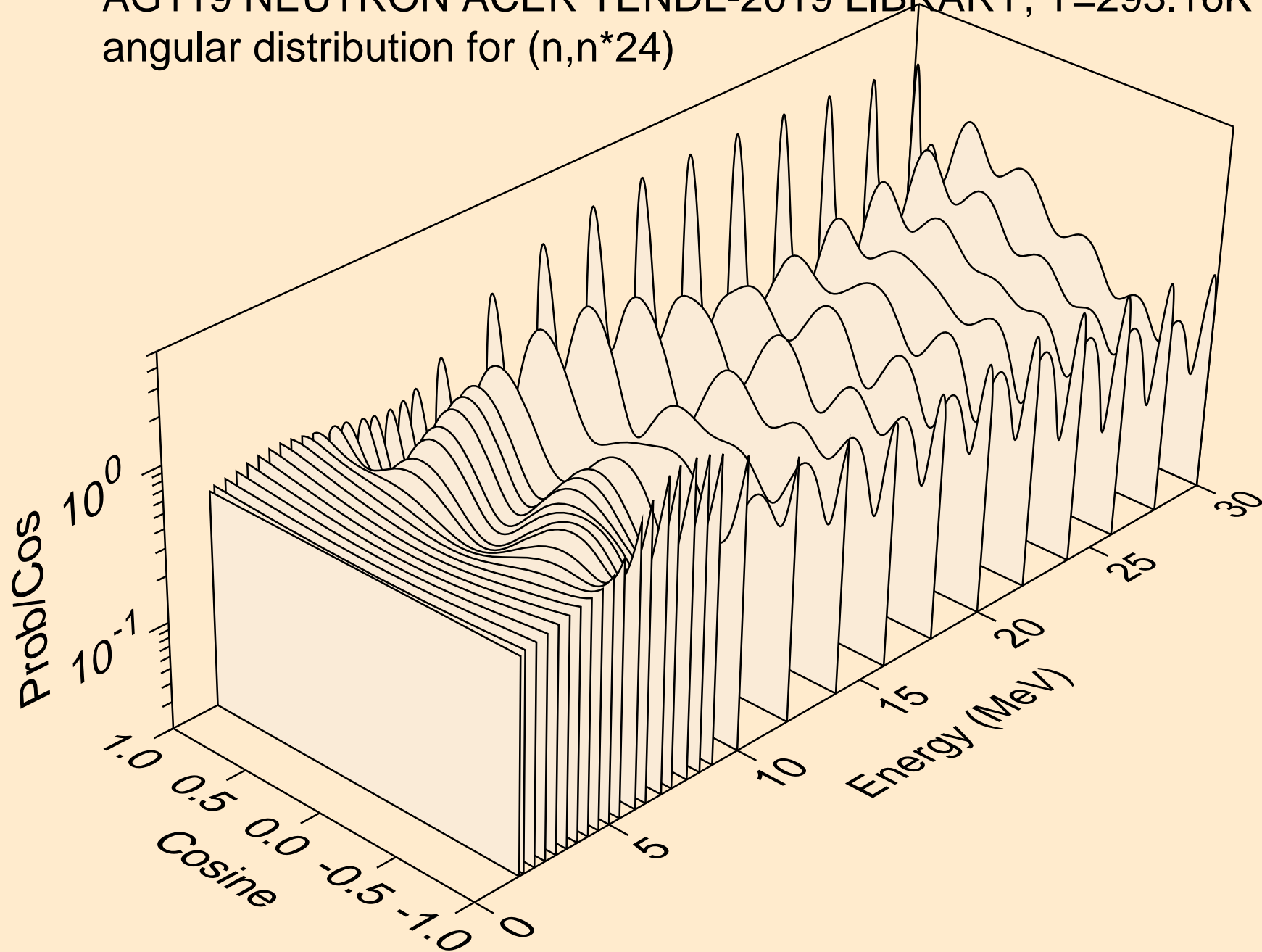
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angular distribution for (n,n\*22)



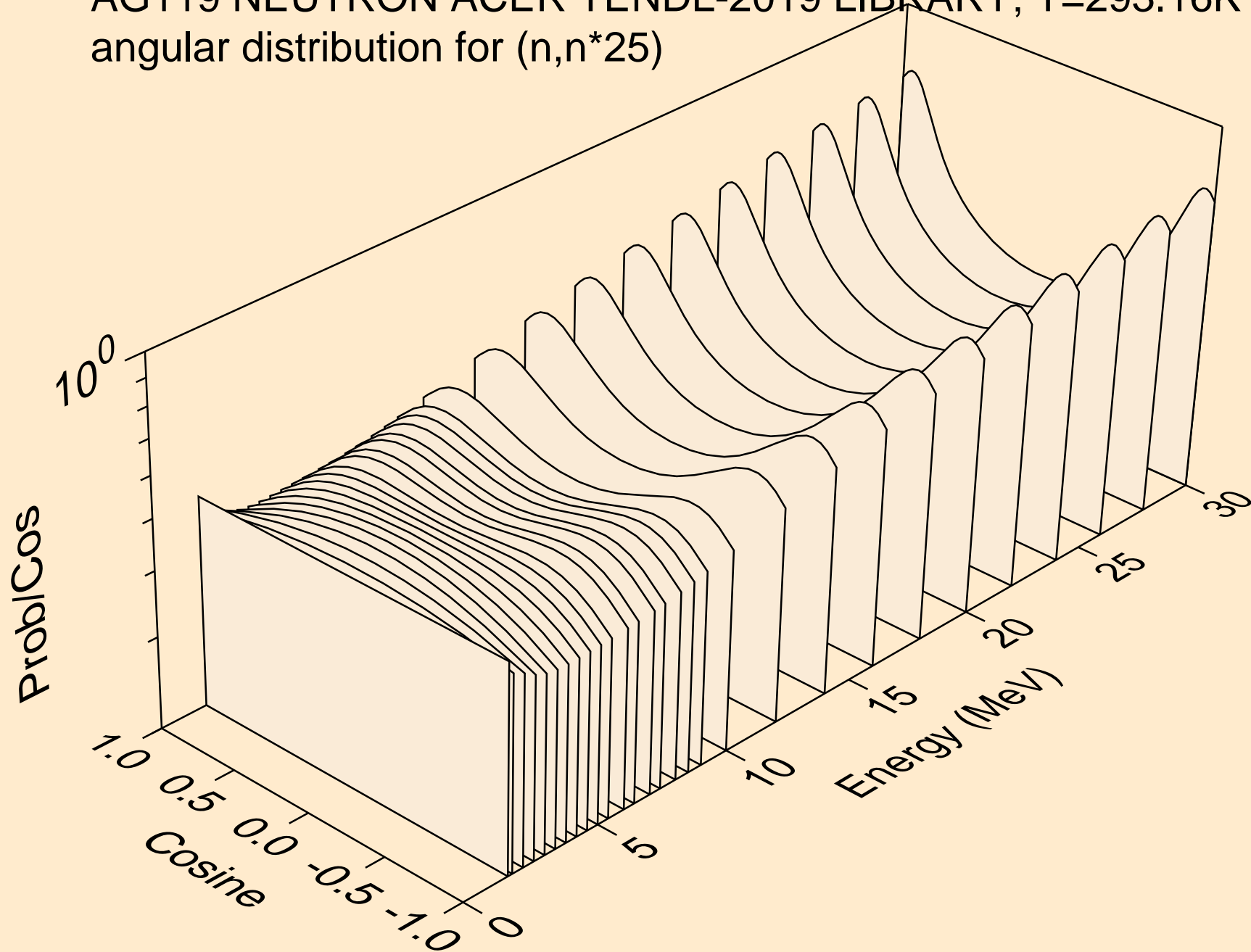
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angular distribution for (n,n\*23)



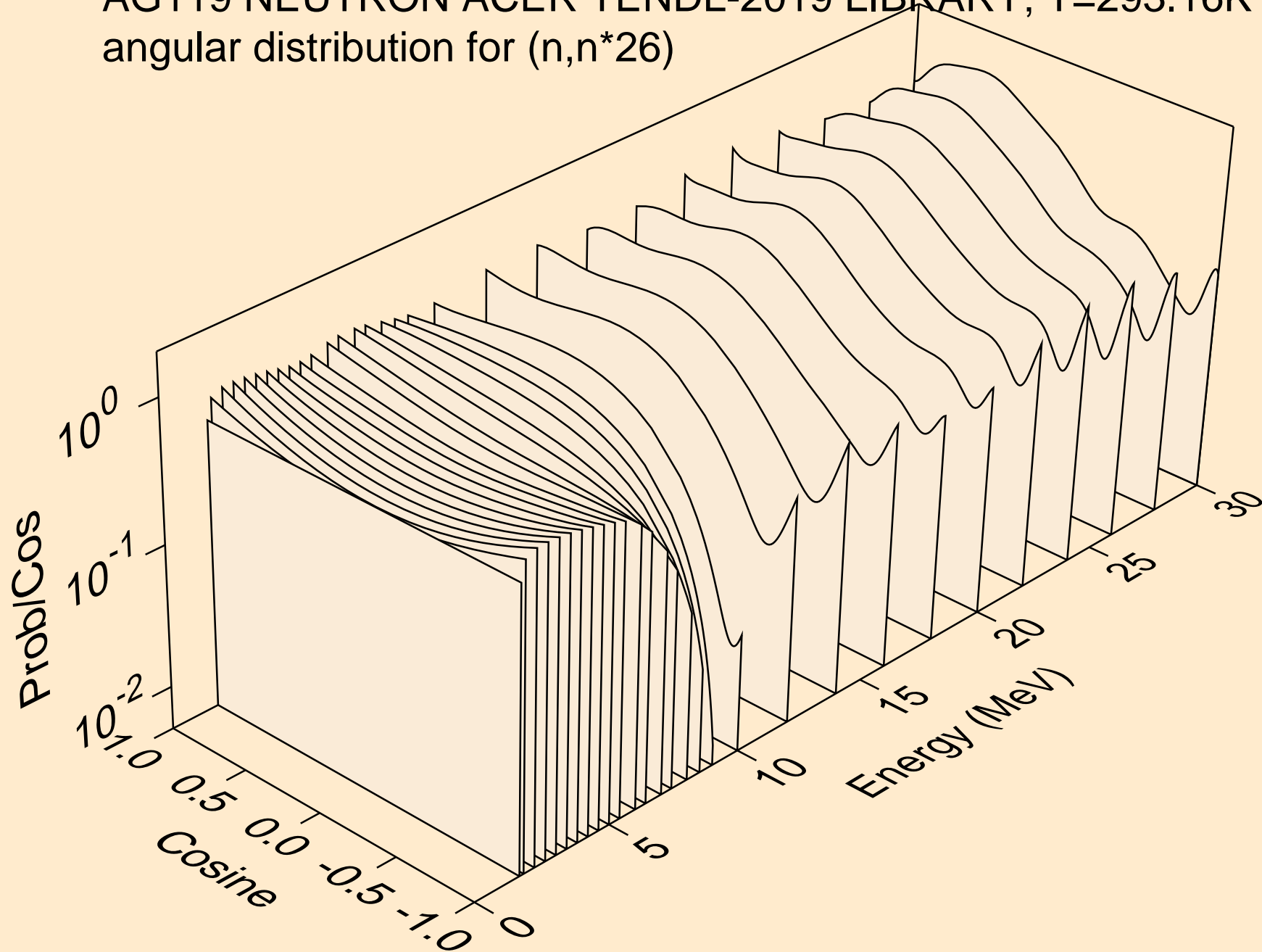
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angular distribution for (n,n\*24)



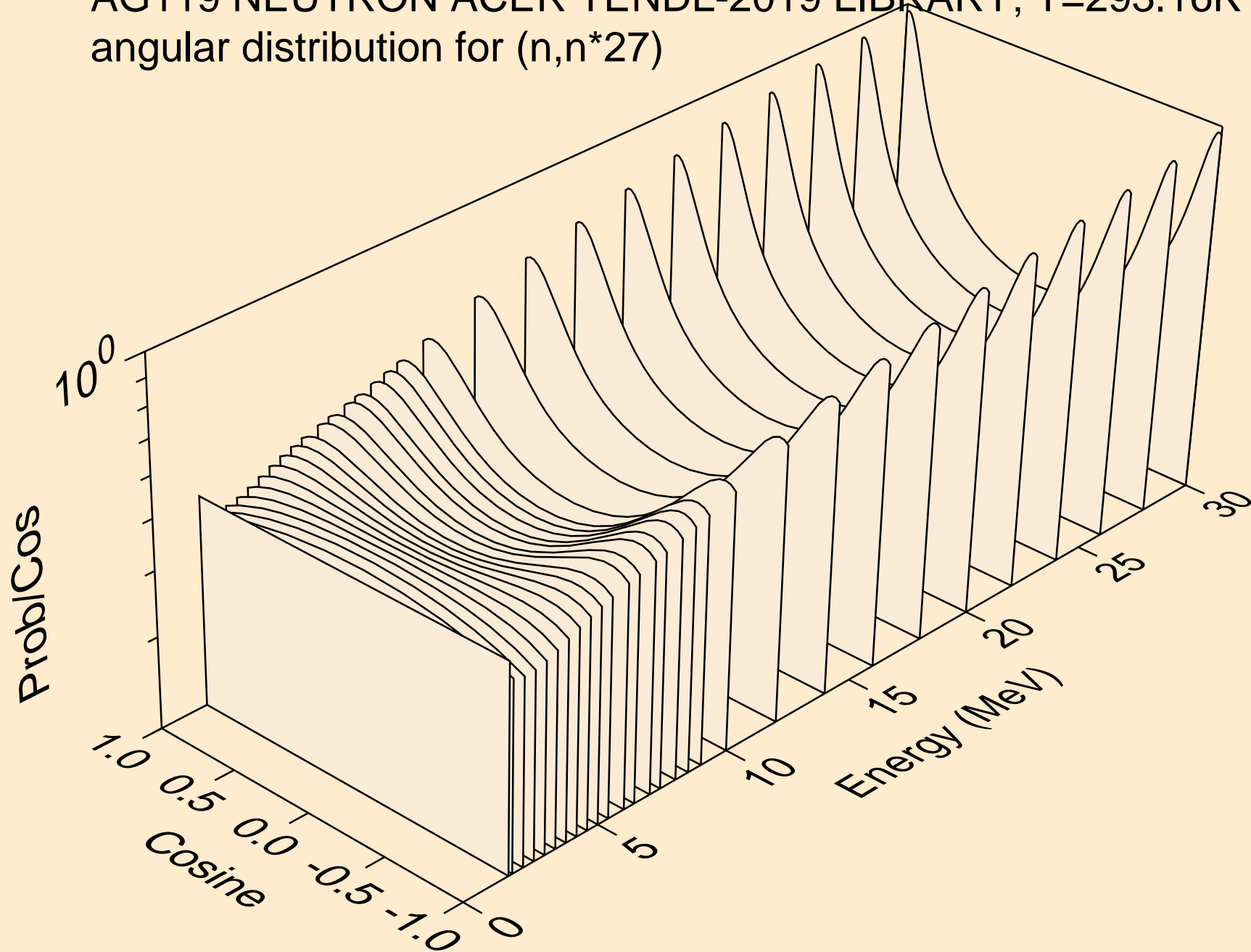
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

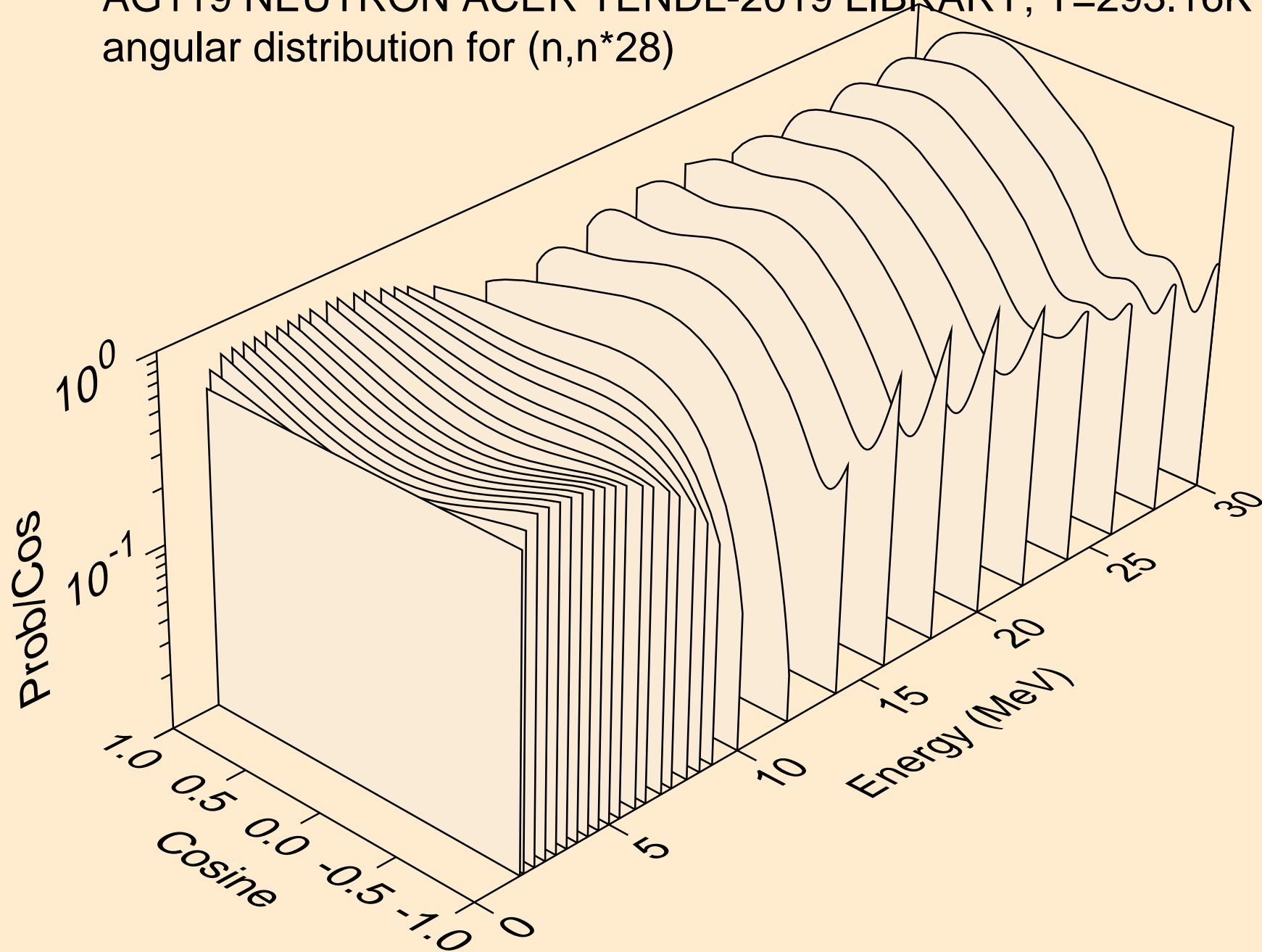


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

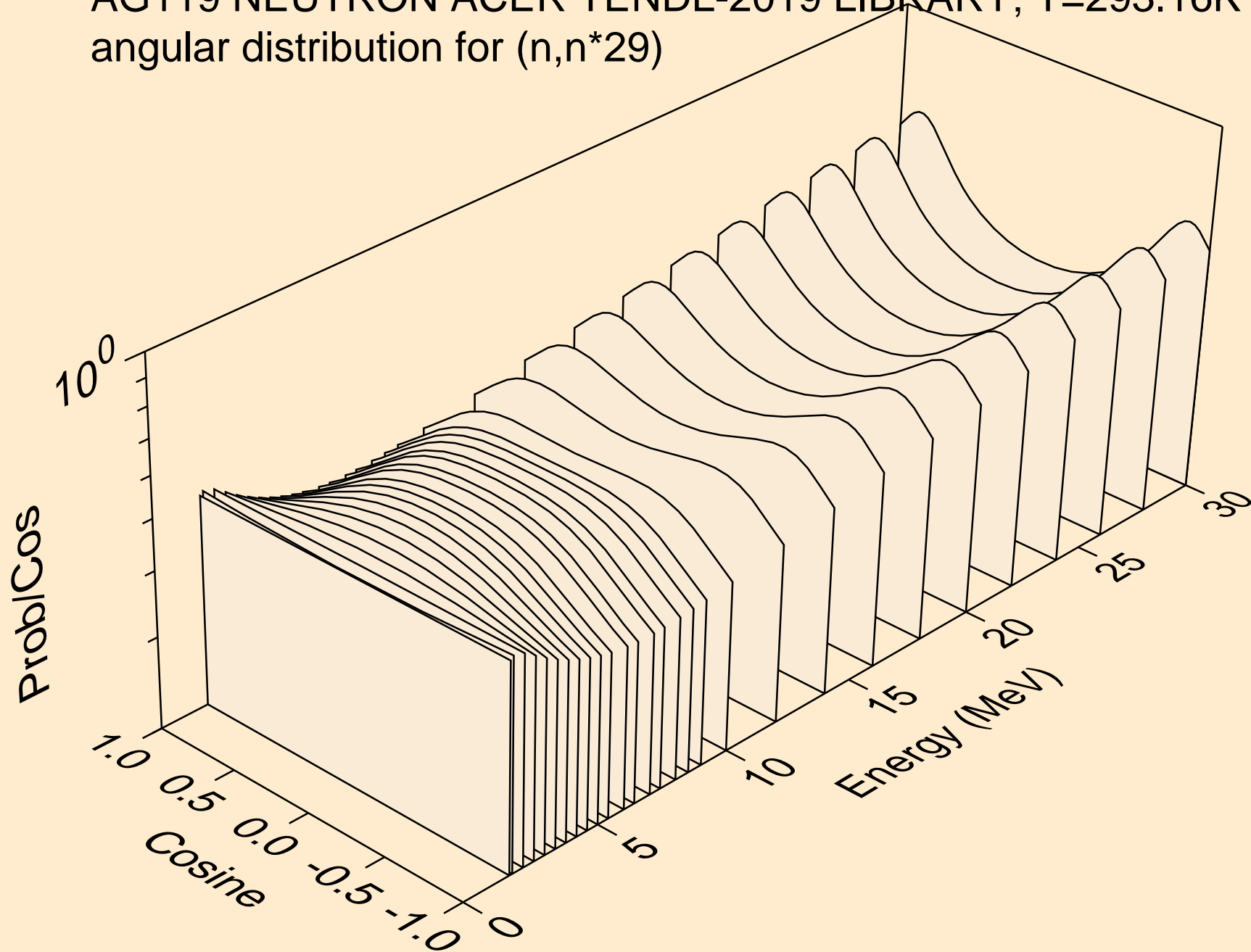




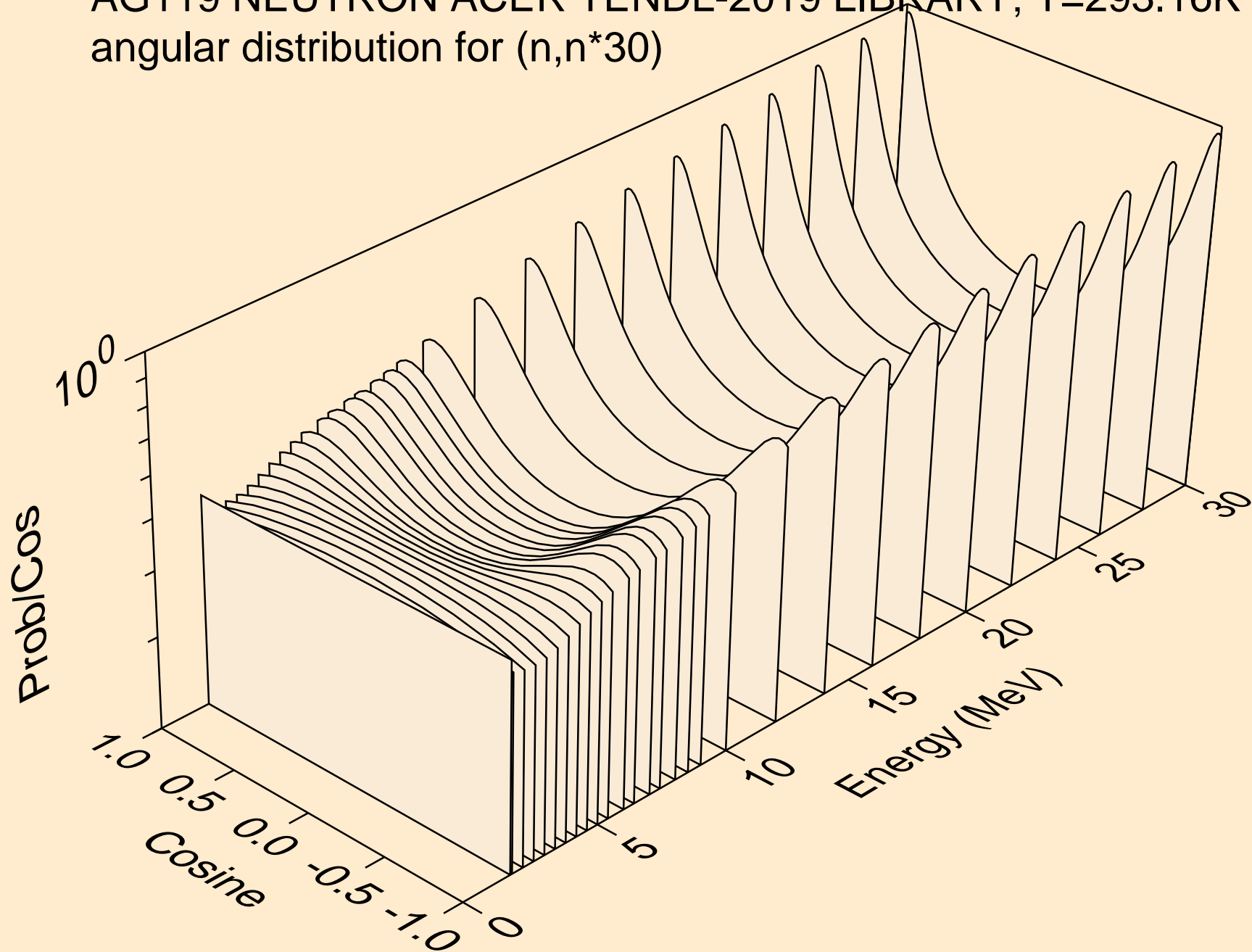
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angular distribution for (n,n\*28)



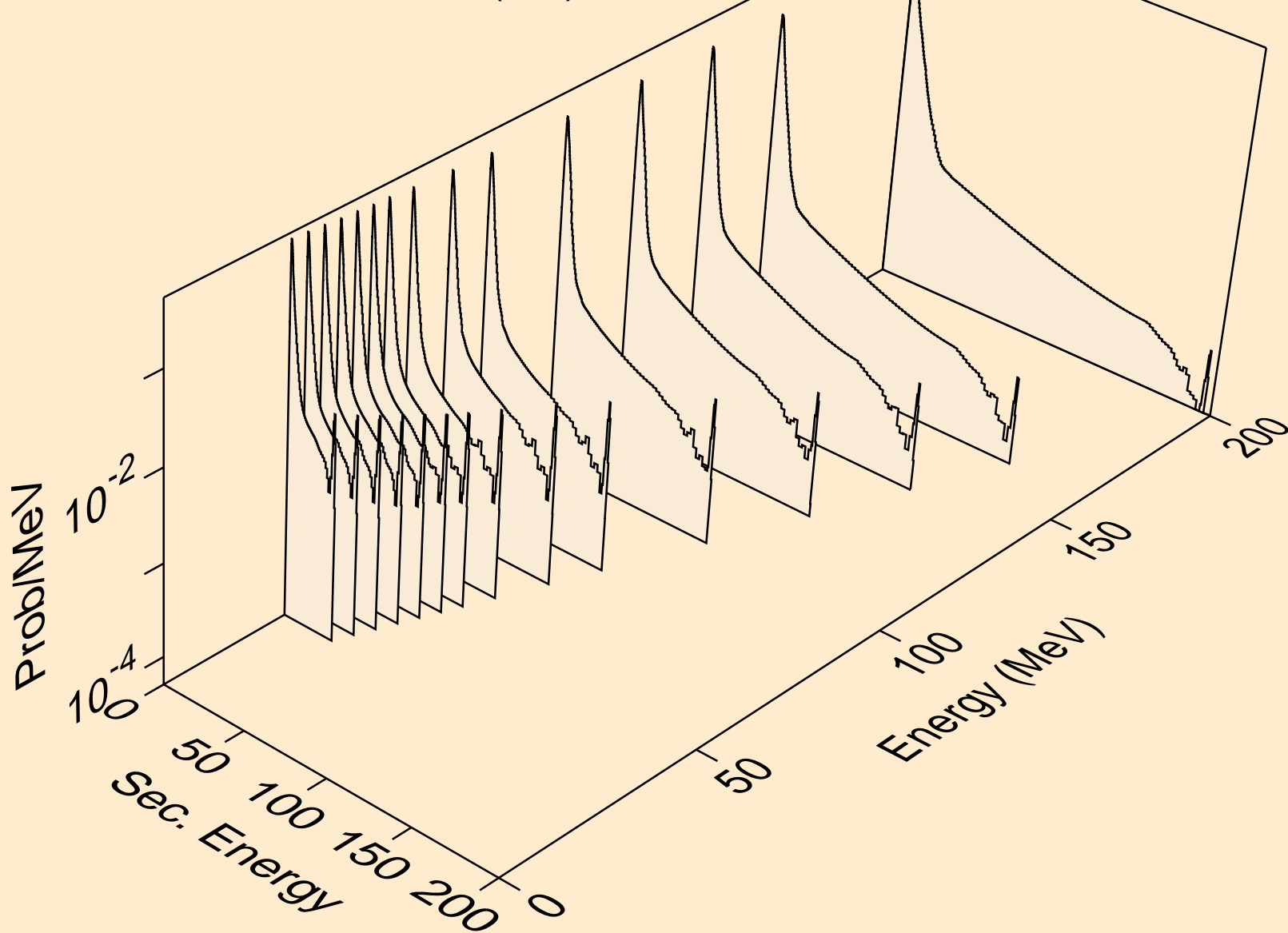
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angular distribution for (n,n\*29)



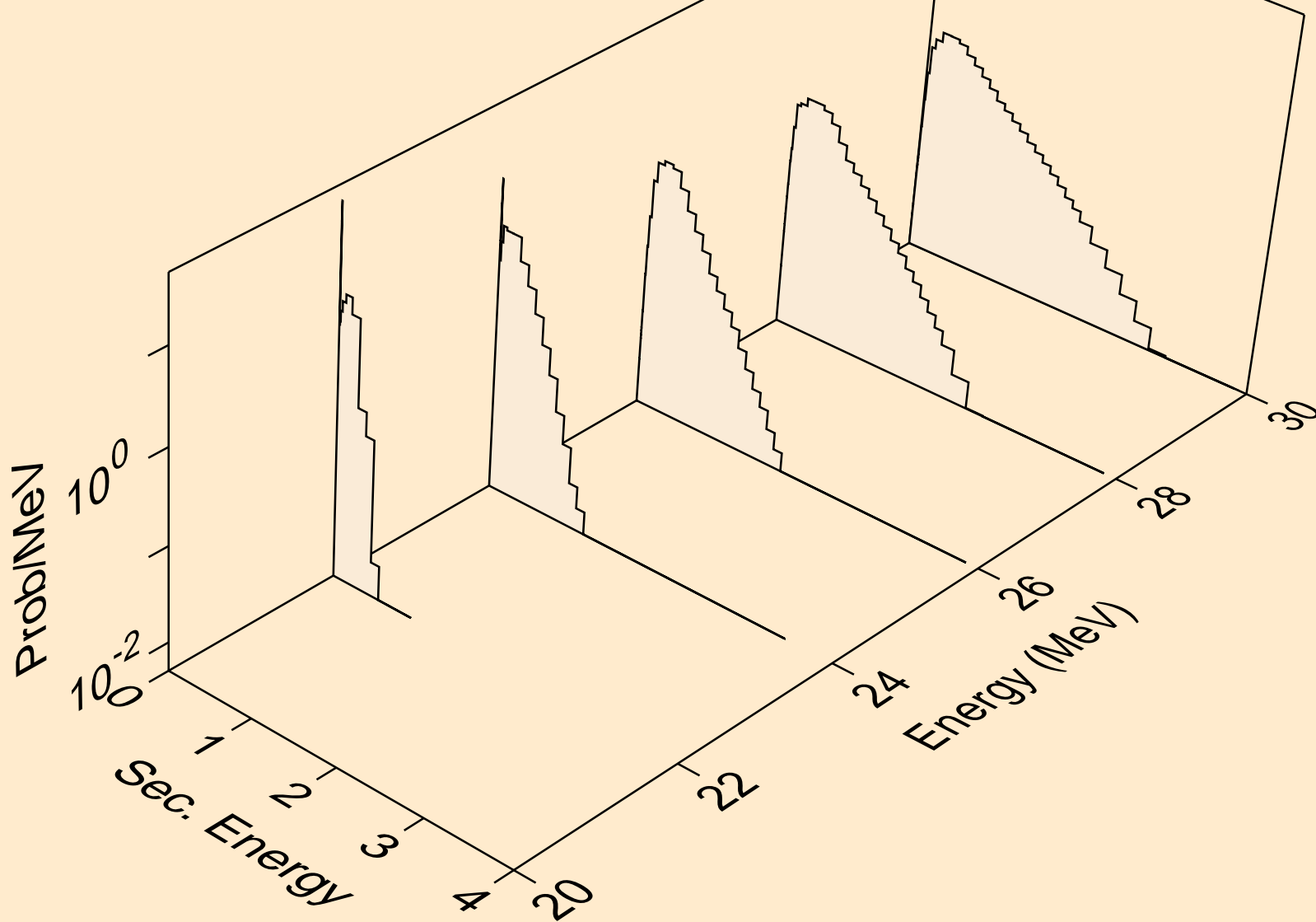
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angular distribution for (n,n\*30)



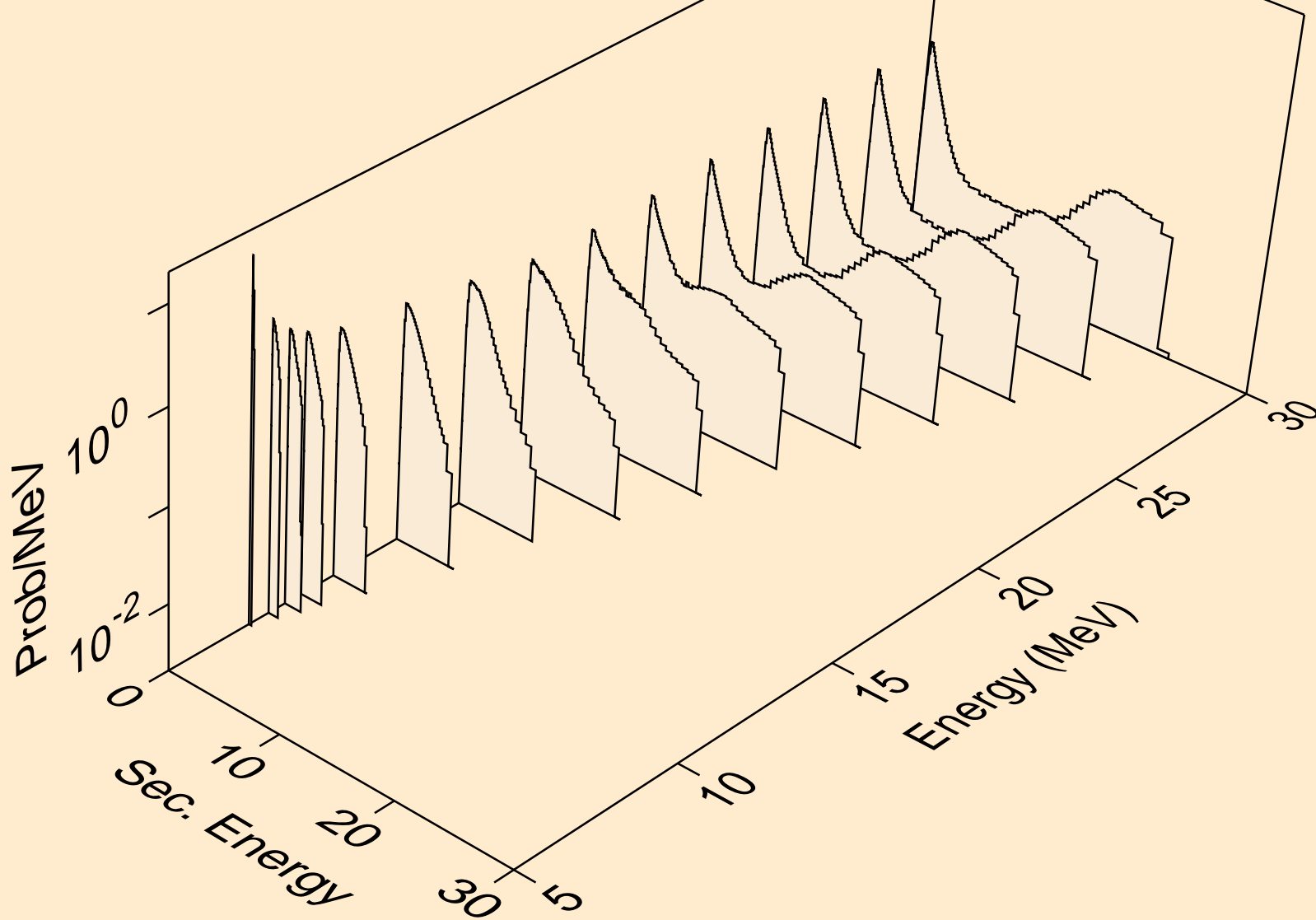
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



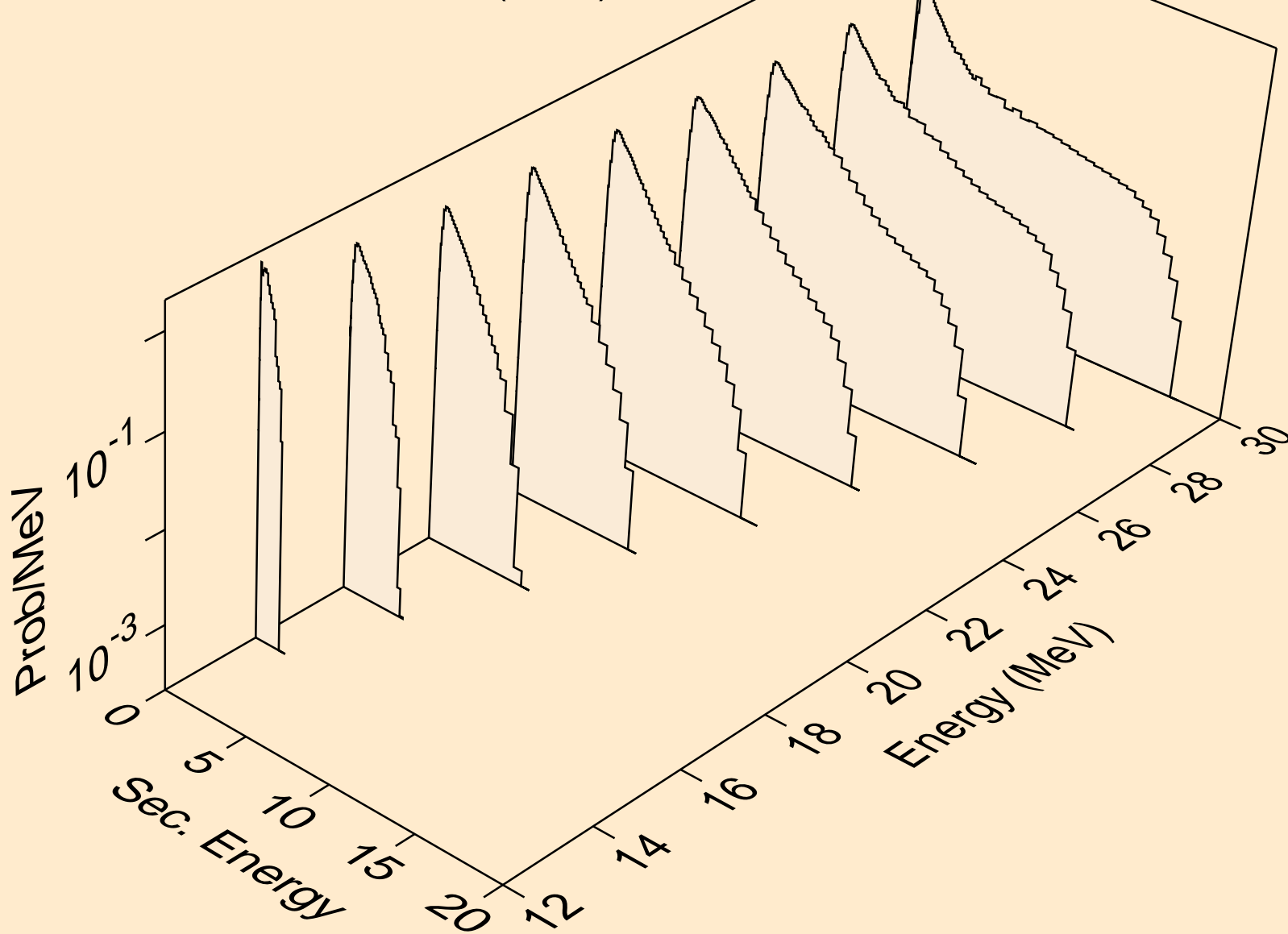
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



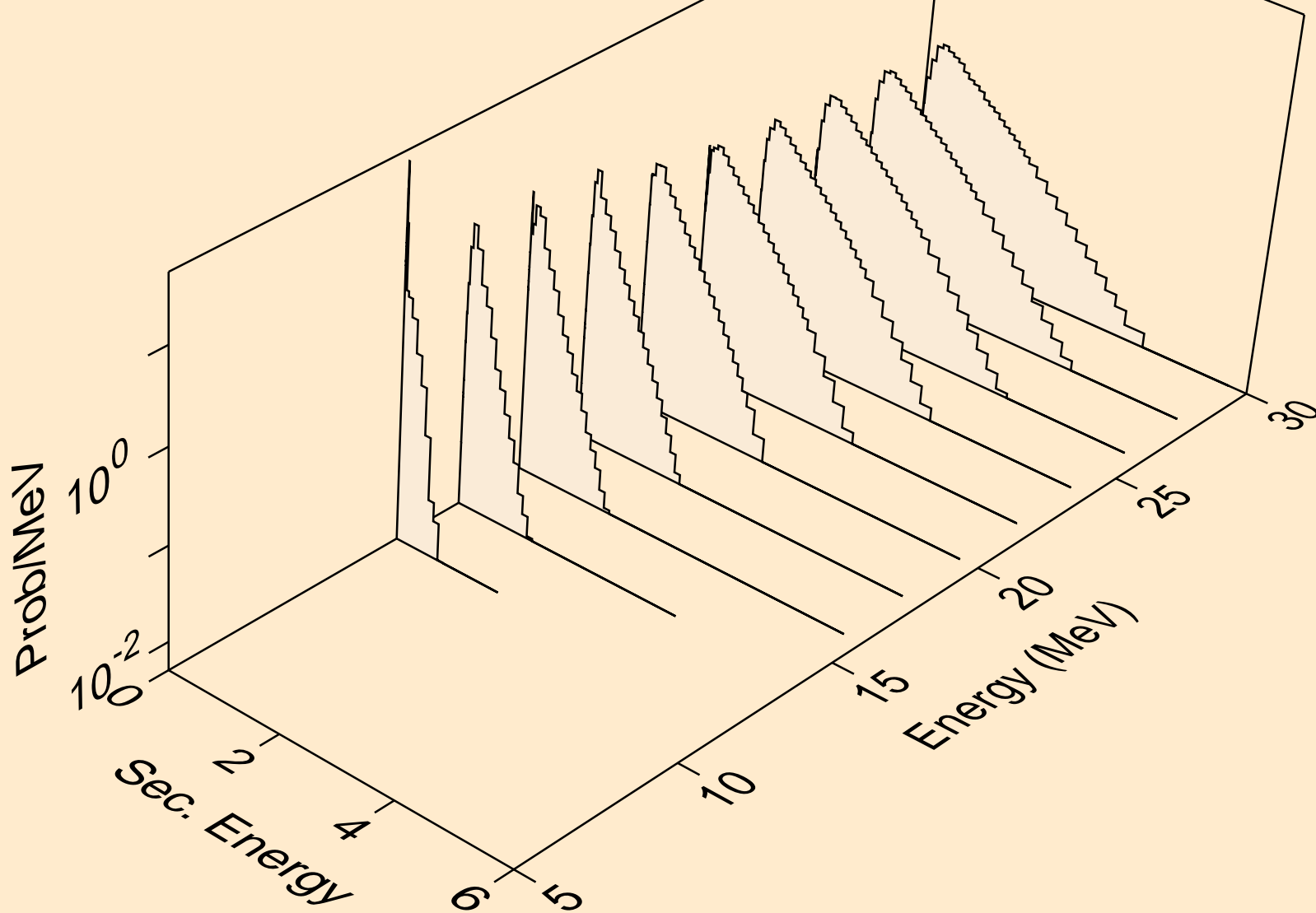
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

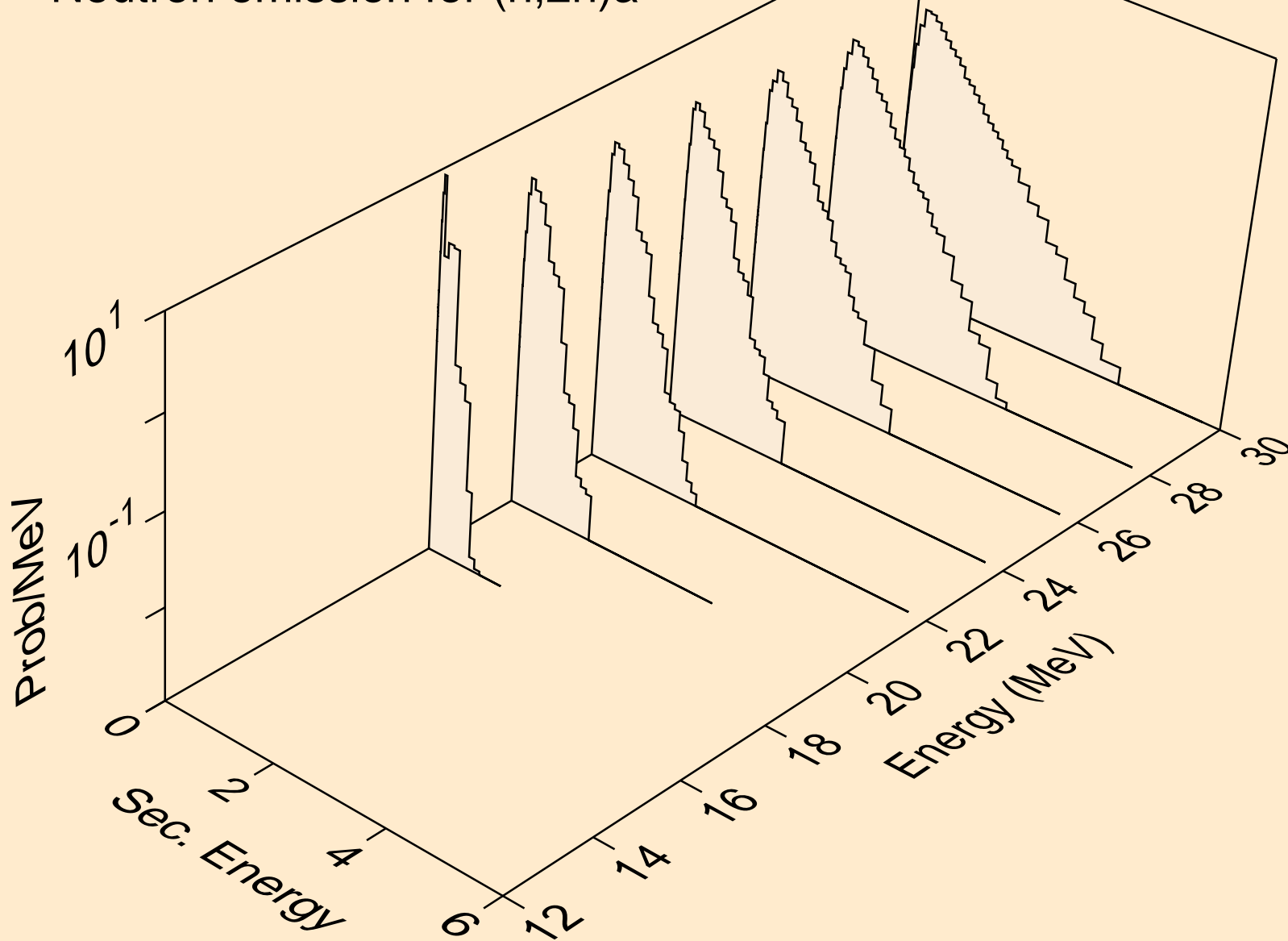


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

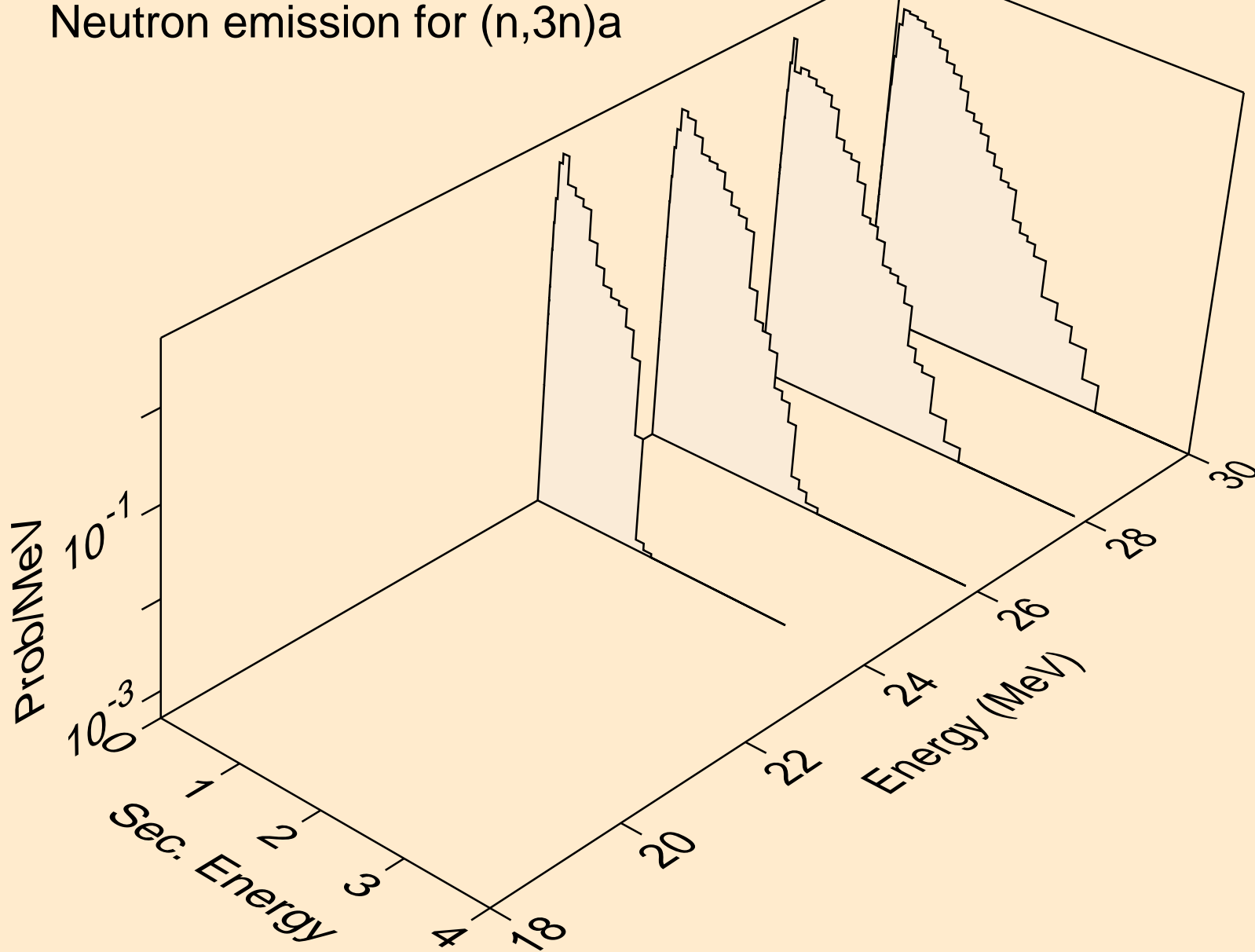




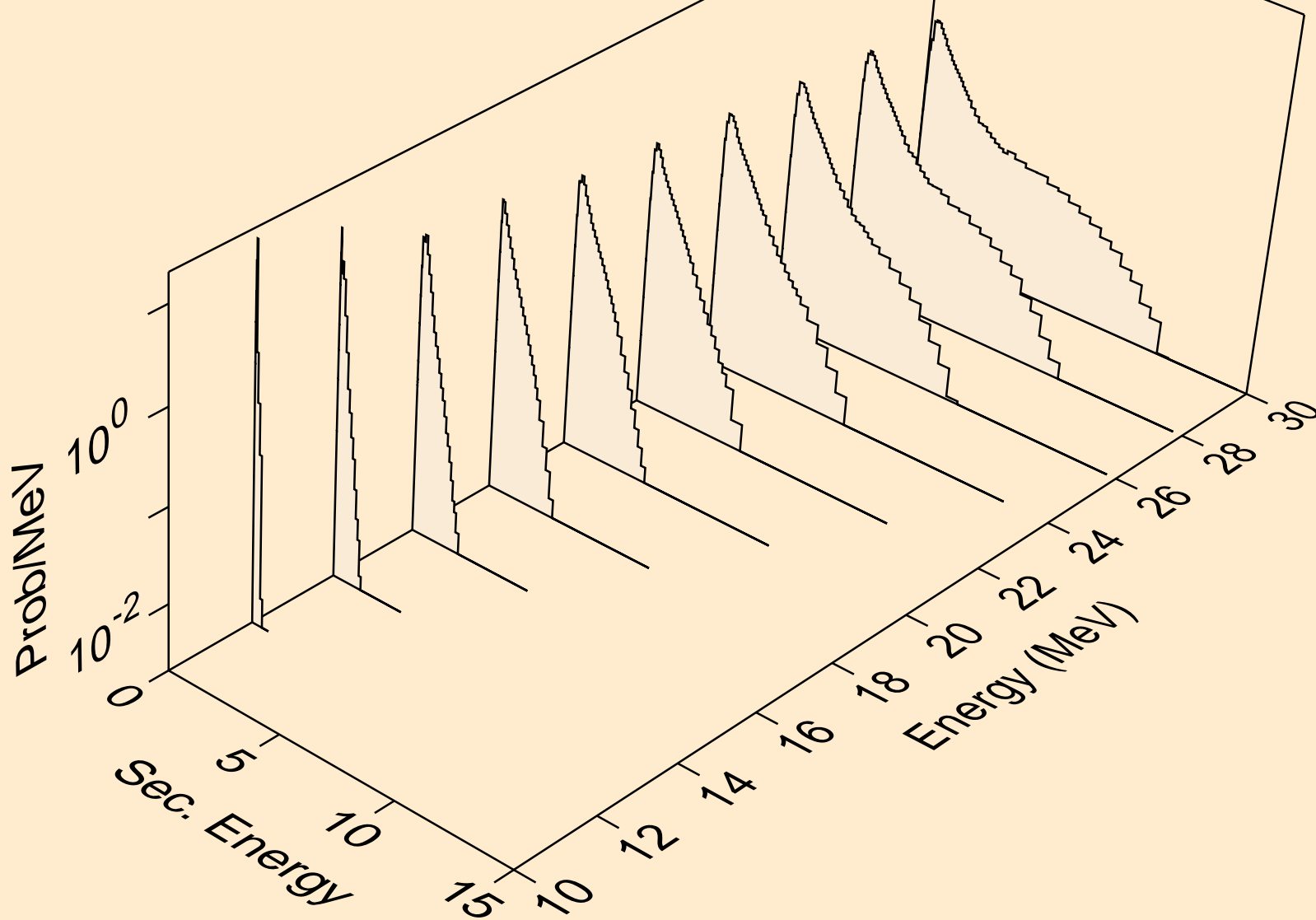
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Neutron emission for (n,2n)a



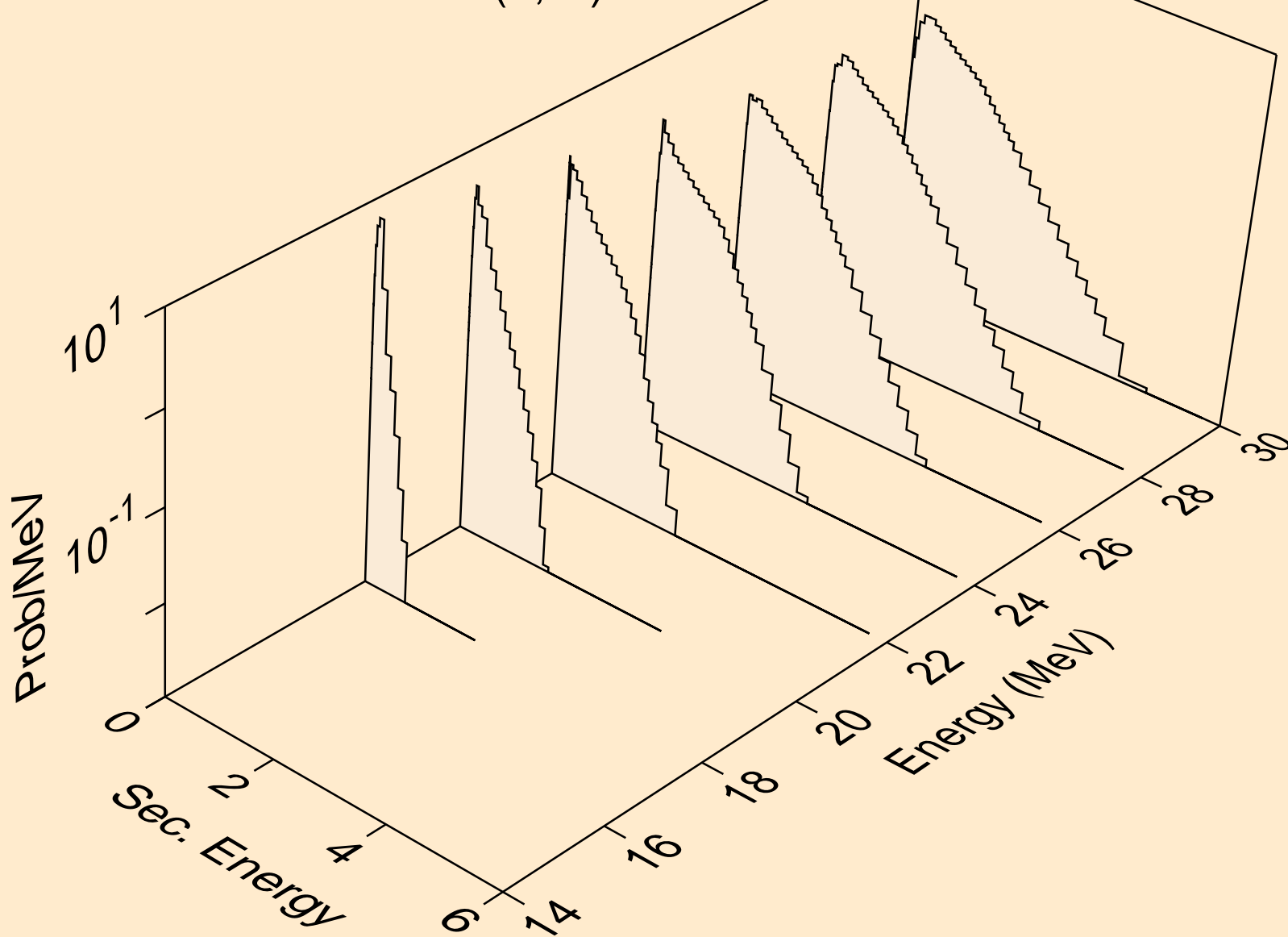
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



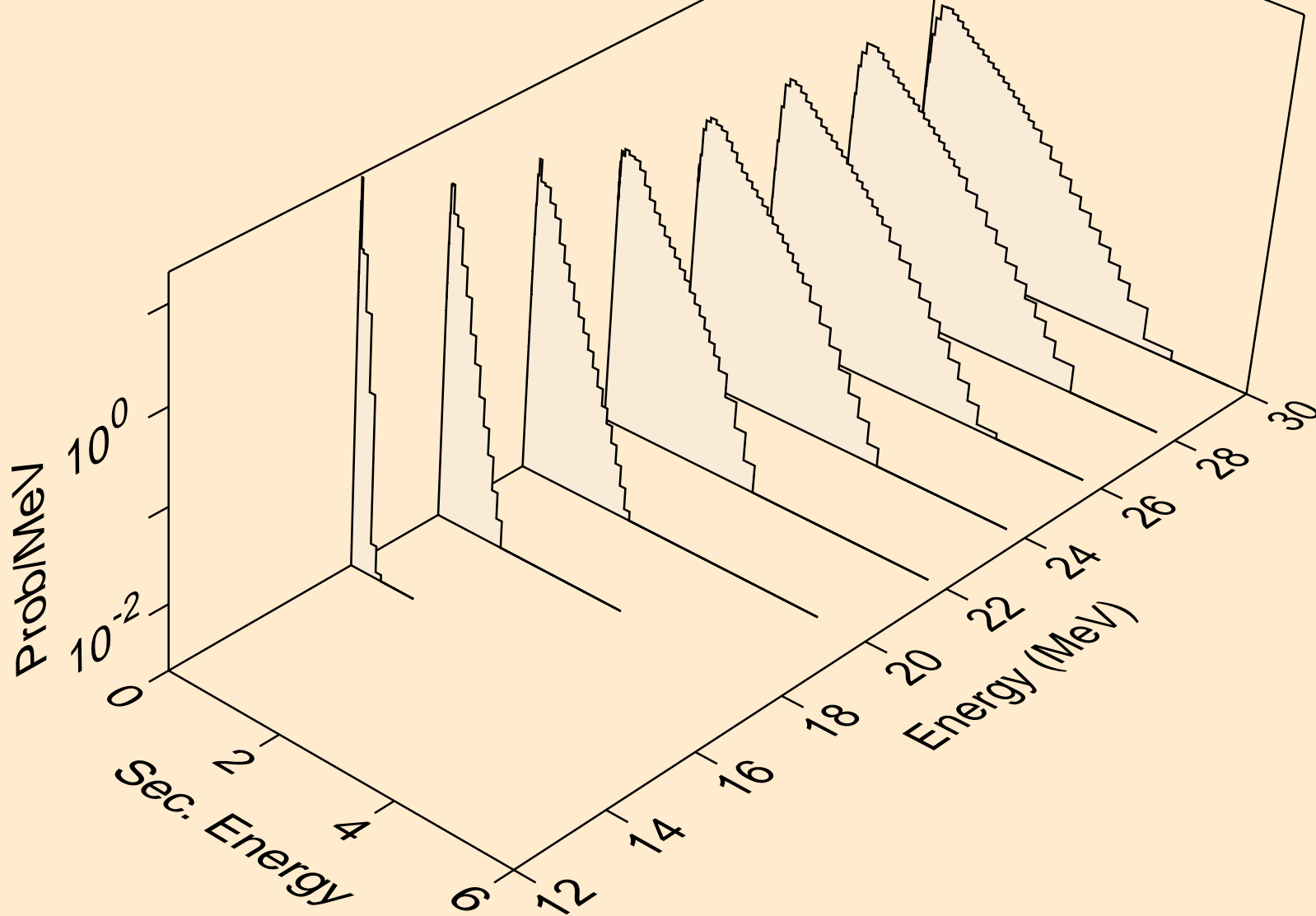
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



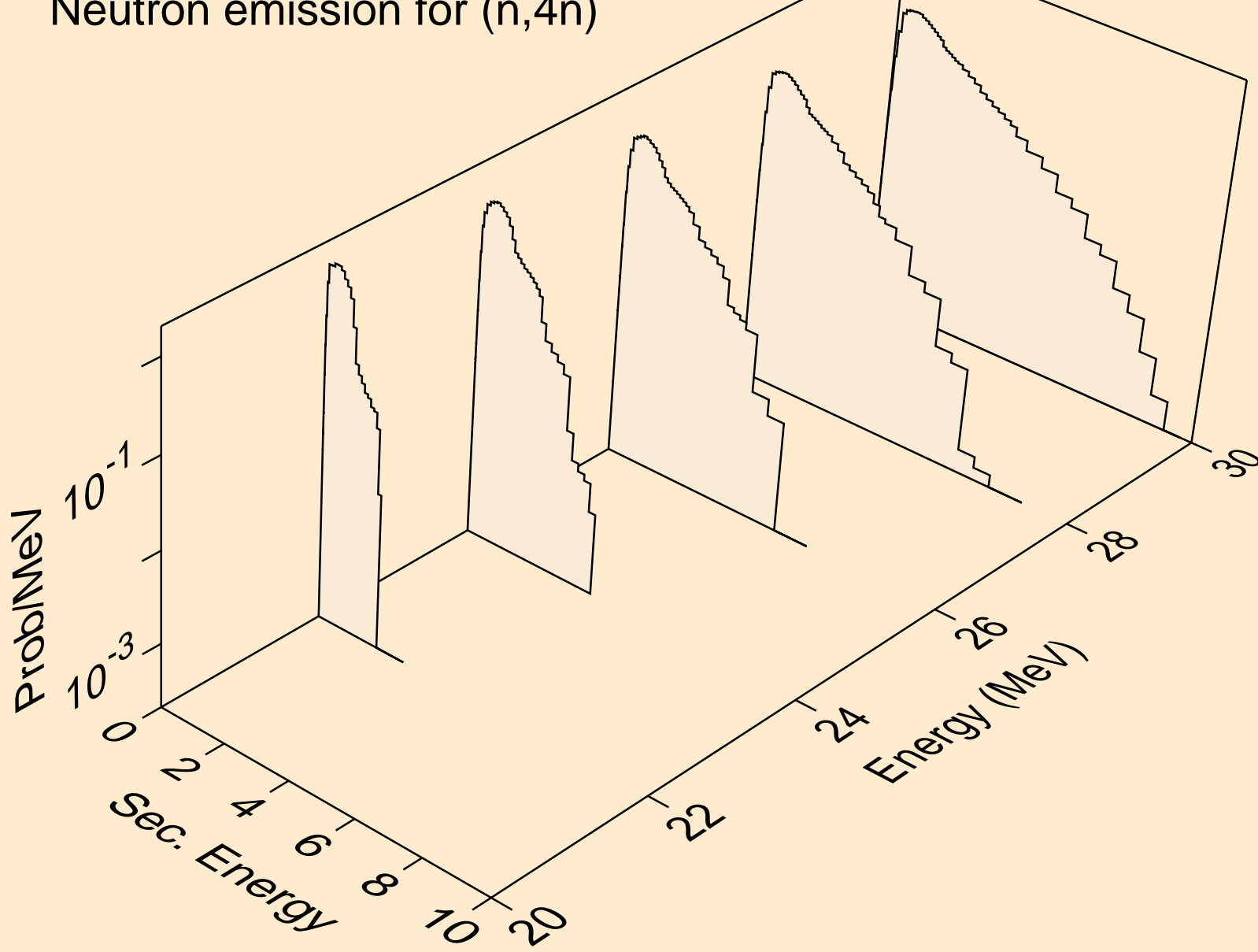
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



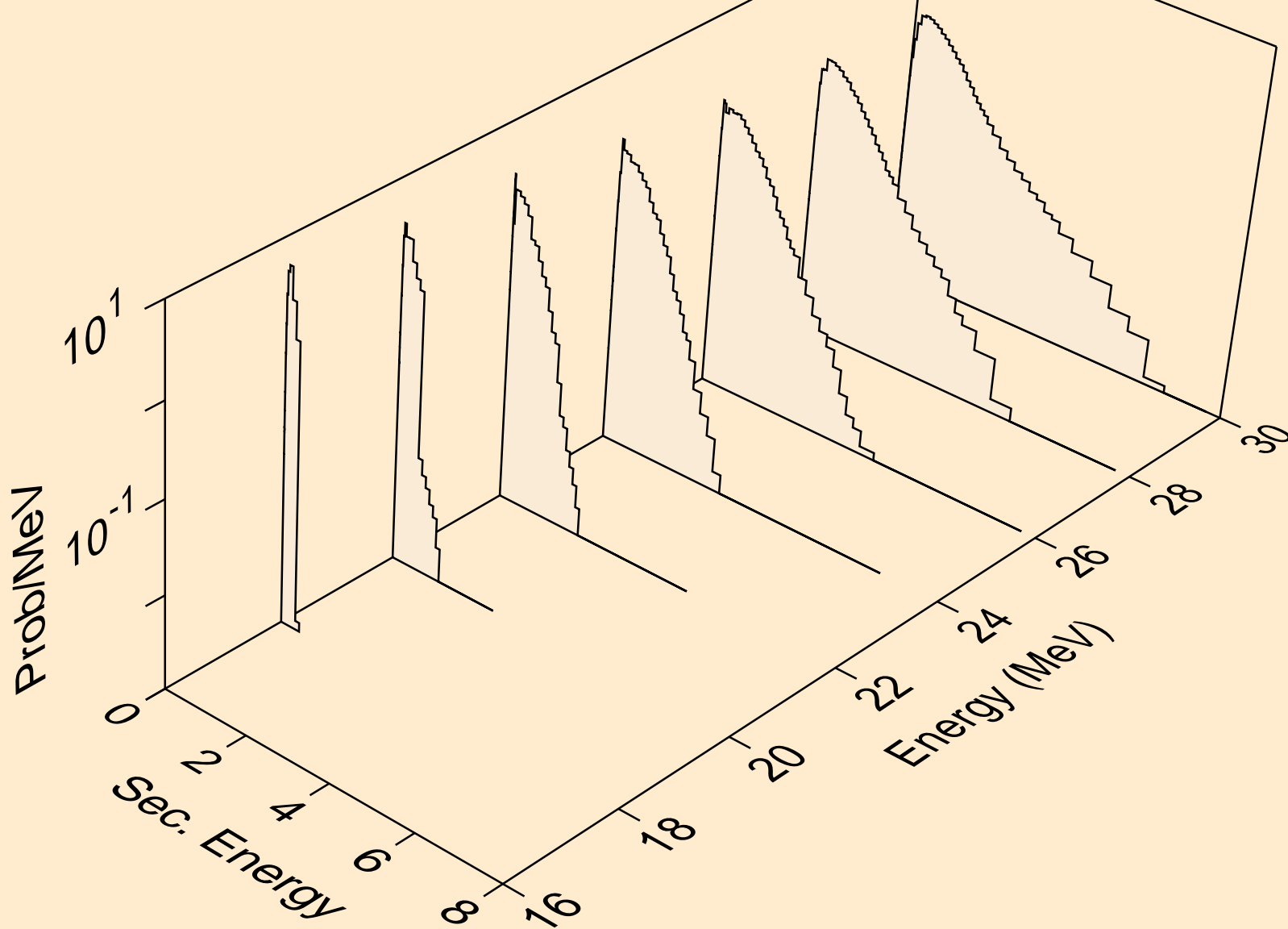
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



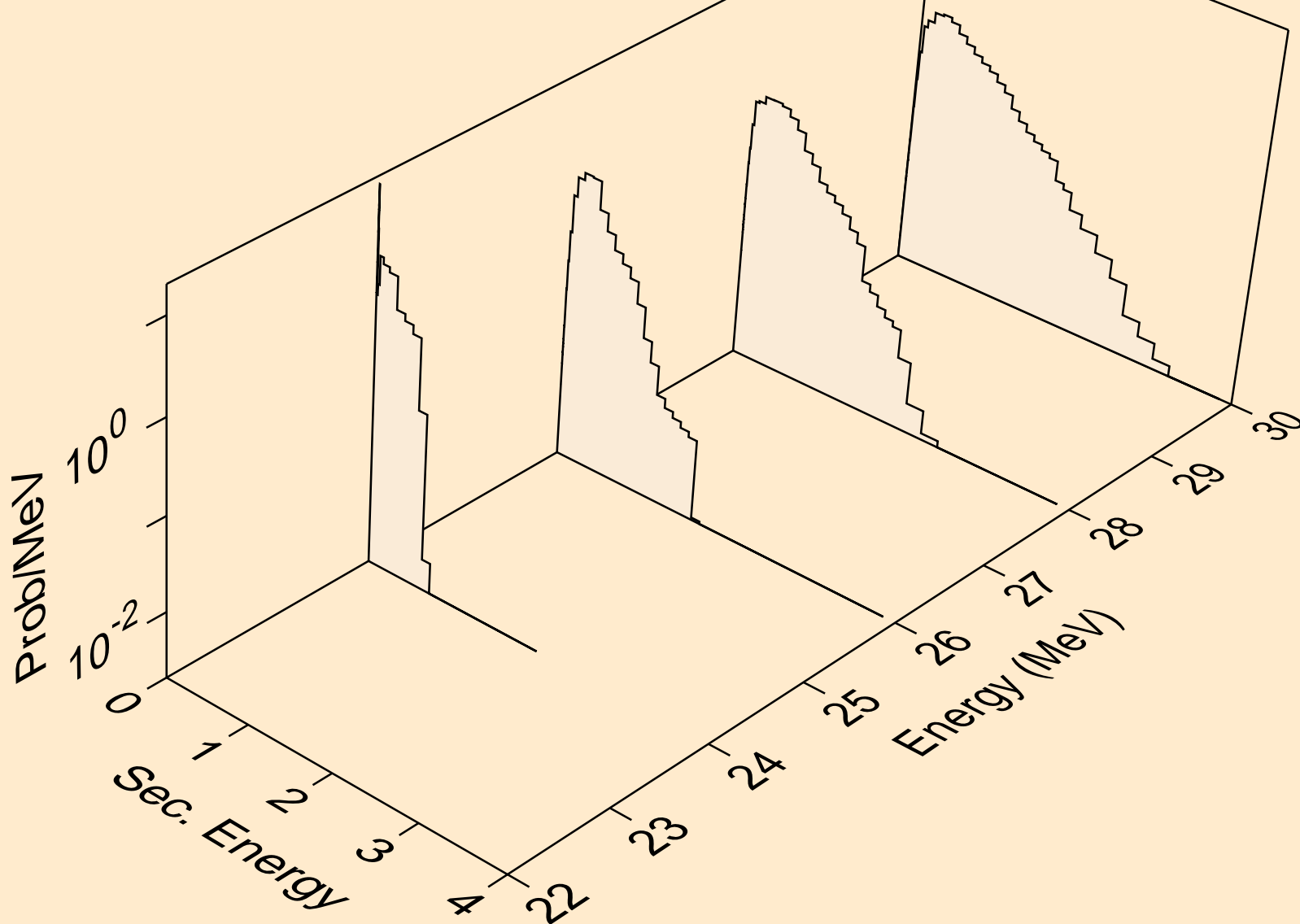
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

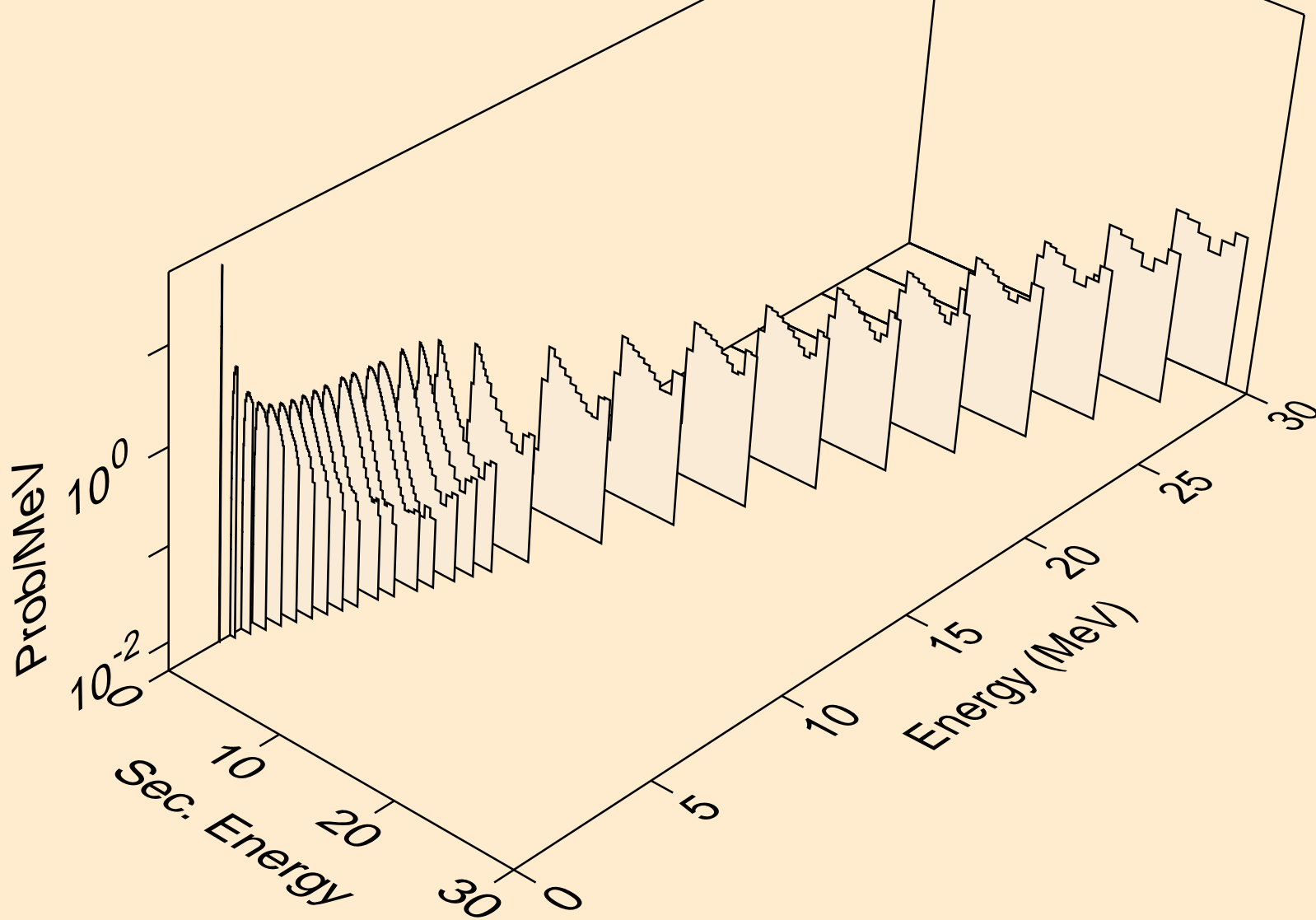


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

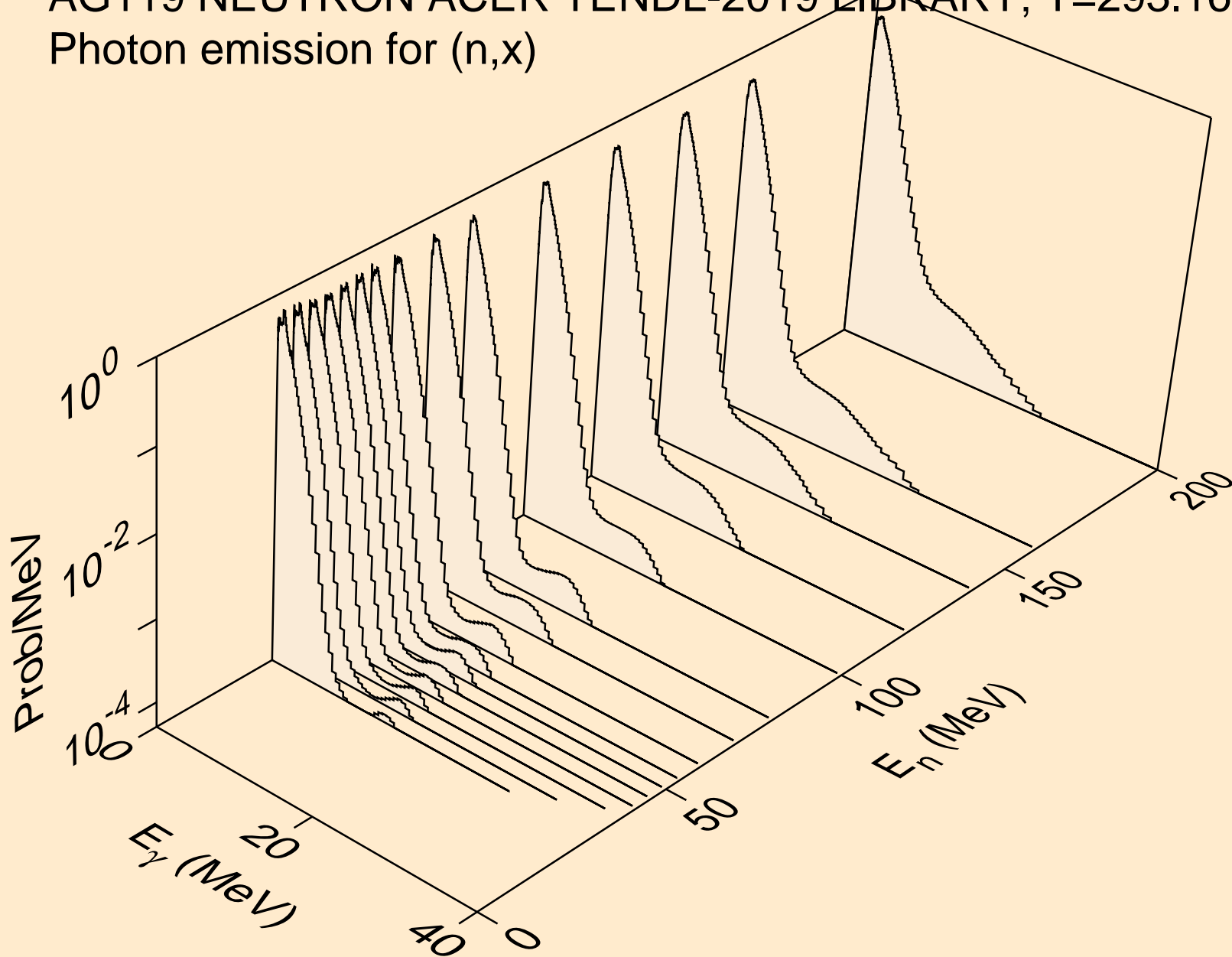




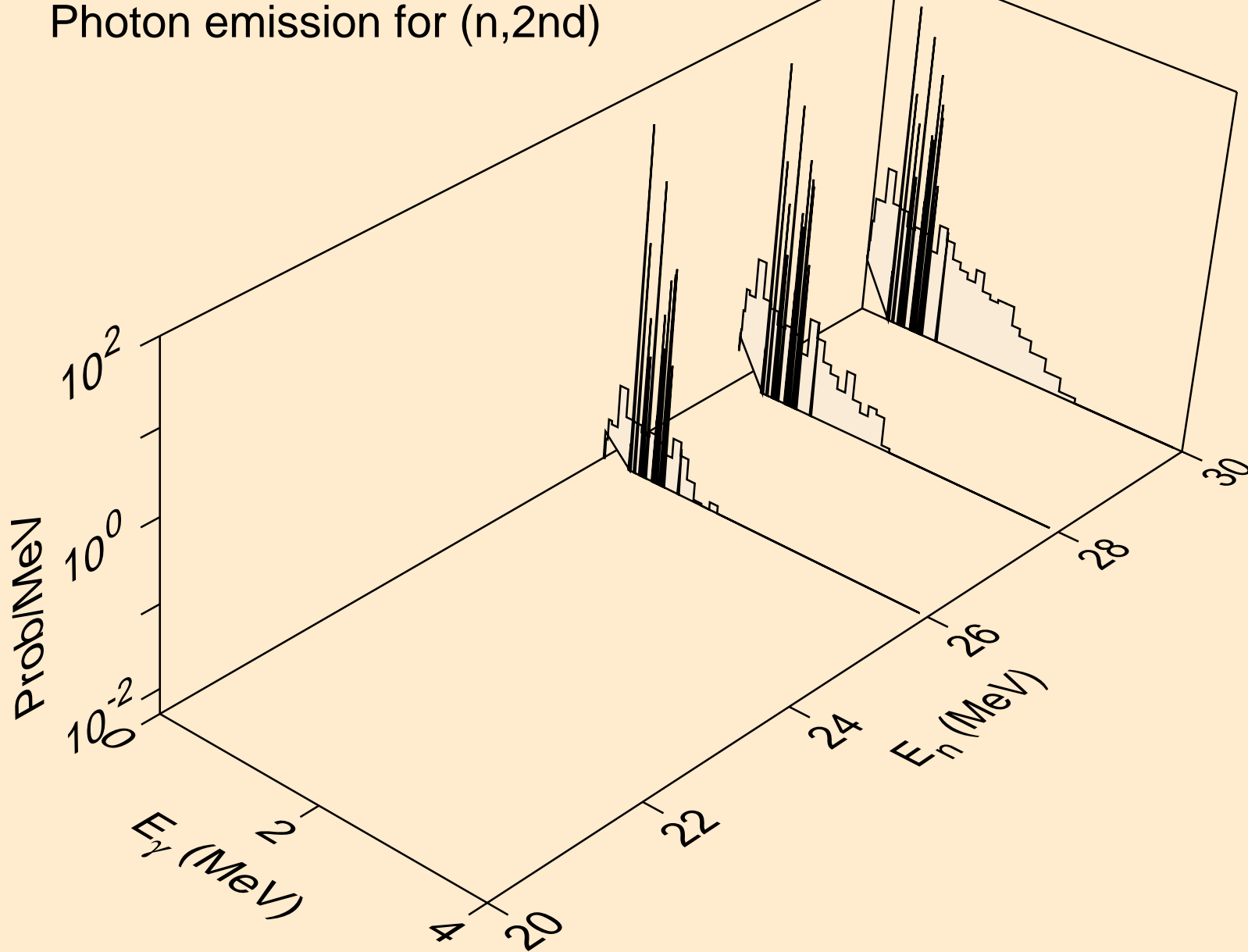
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



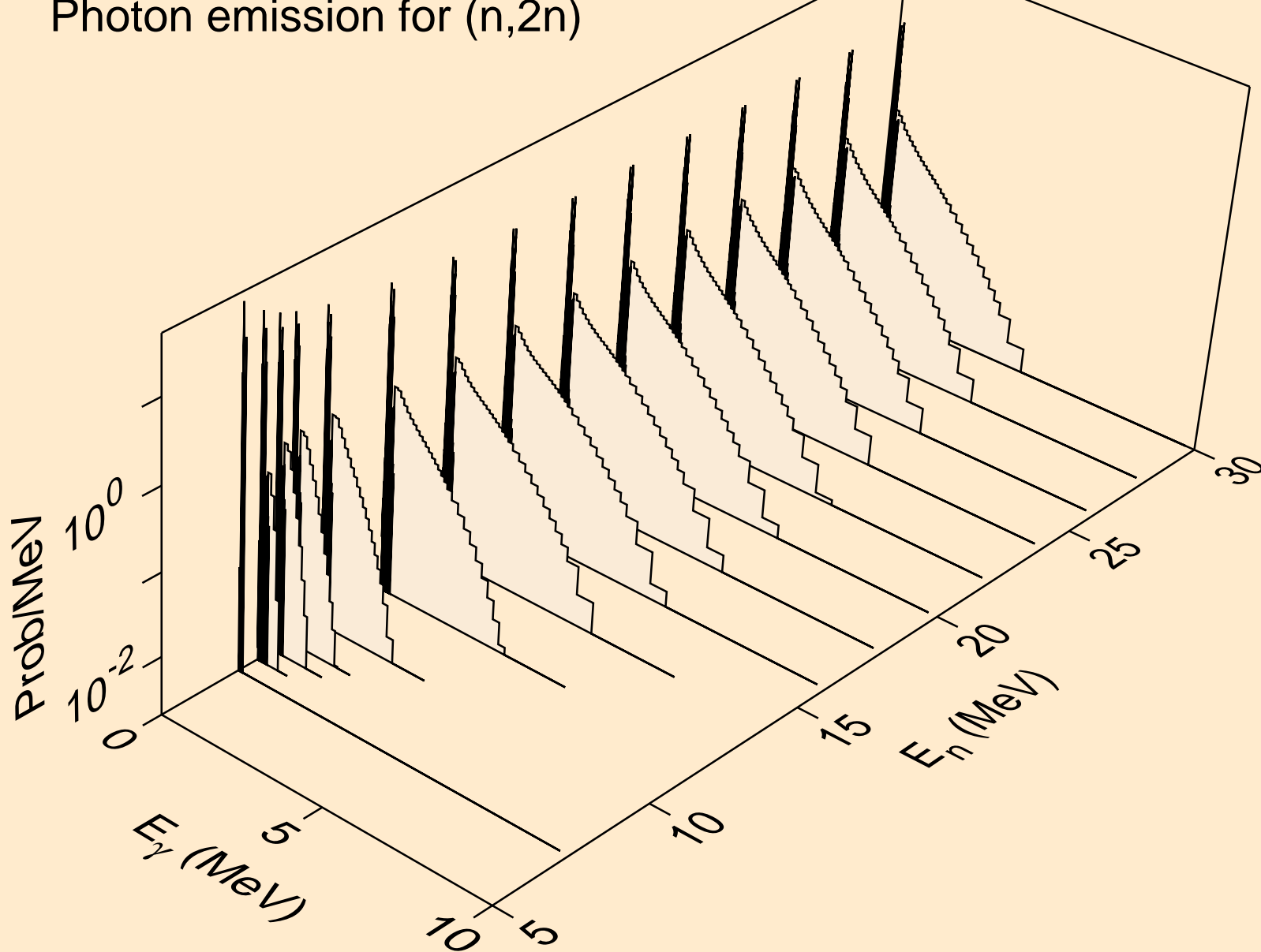
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



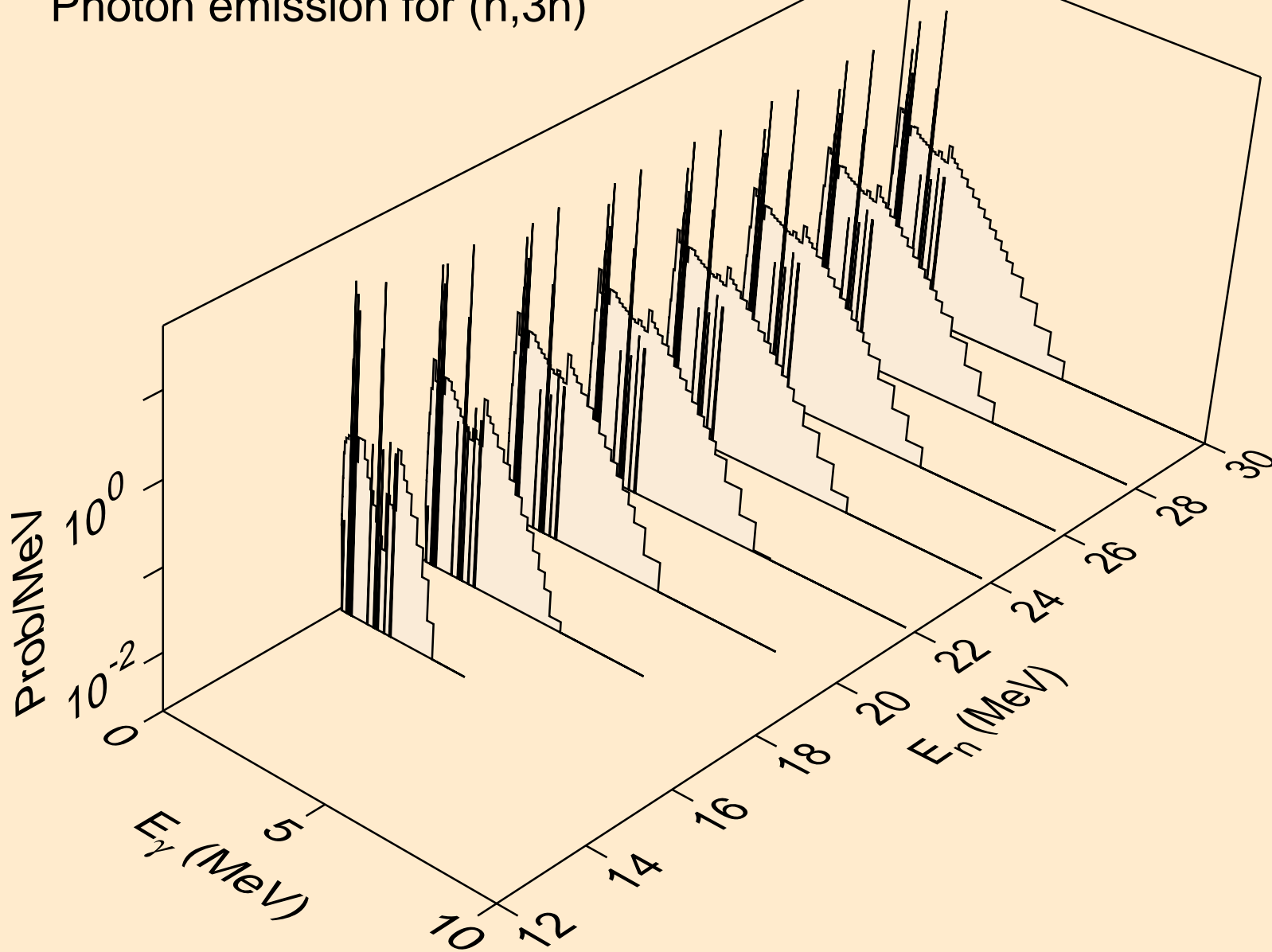
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



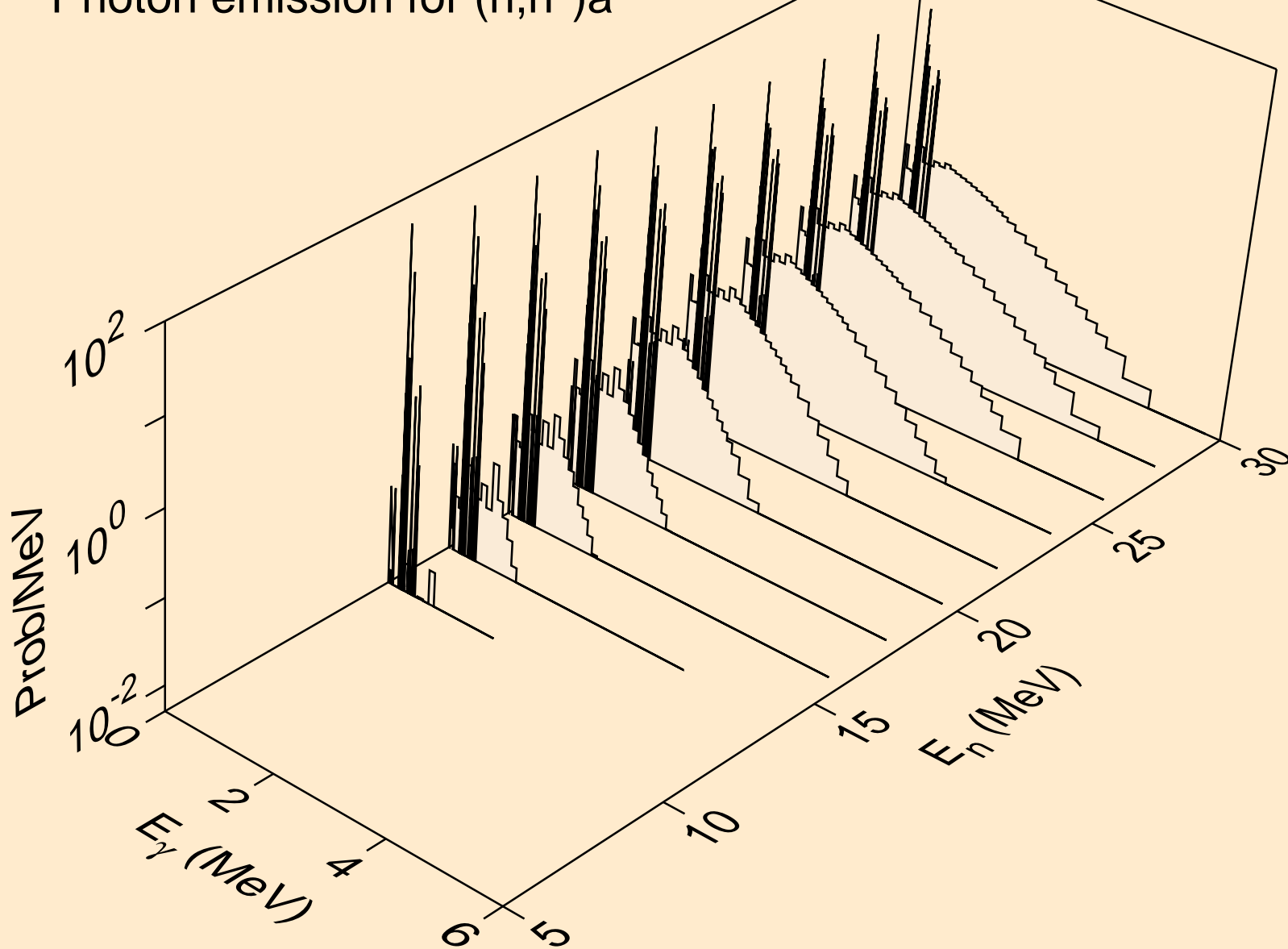
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



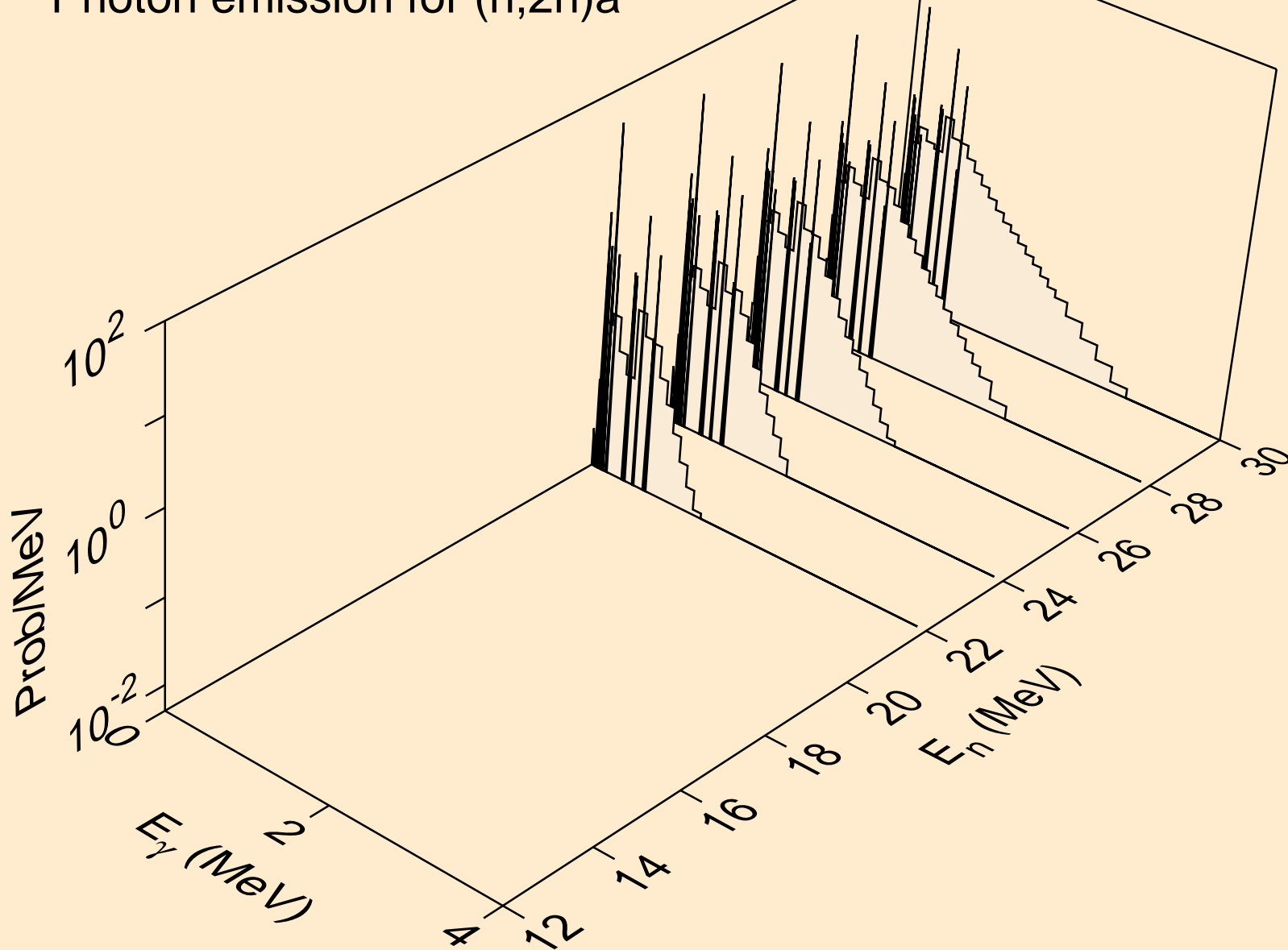
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



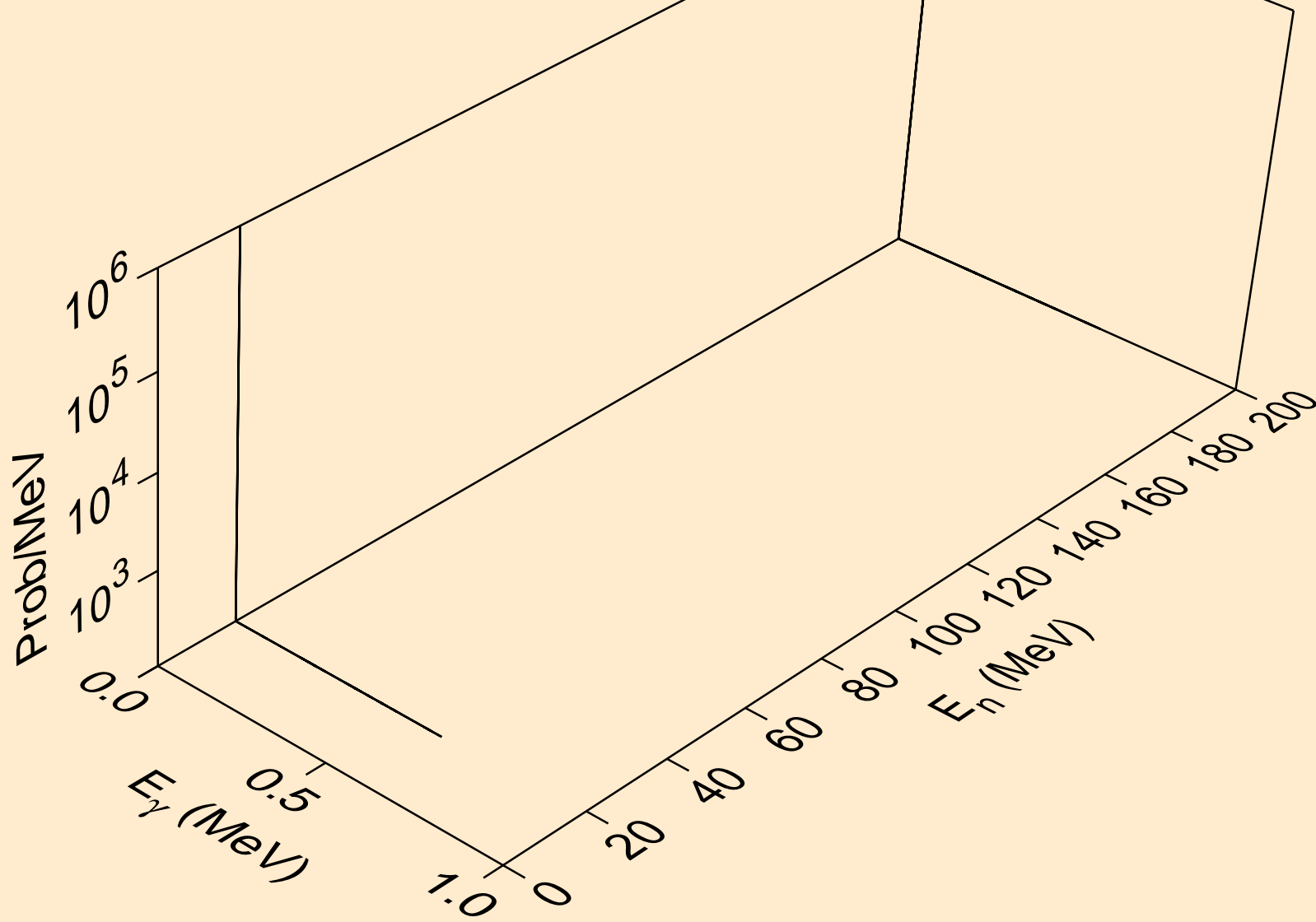
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

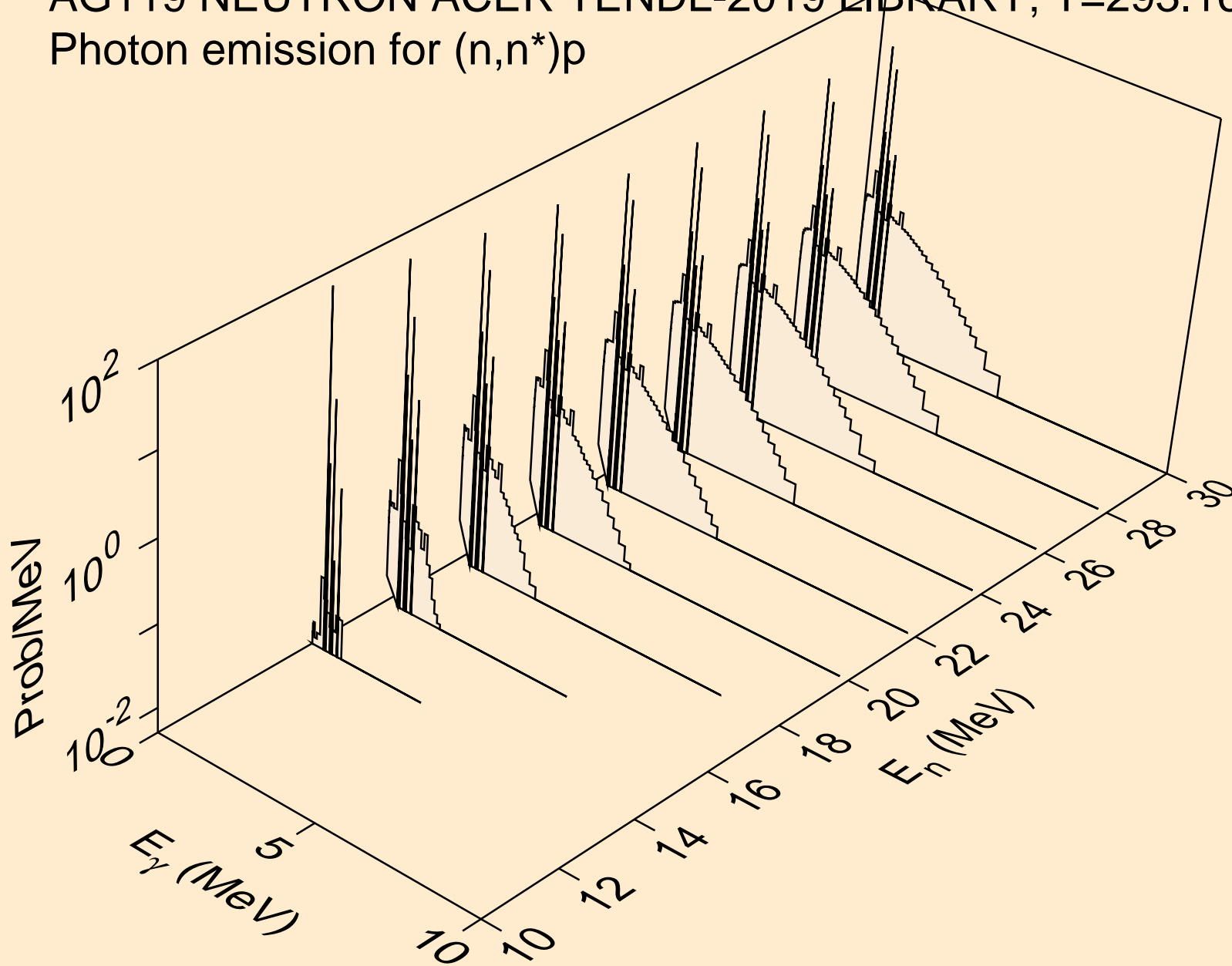


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

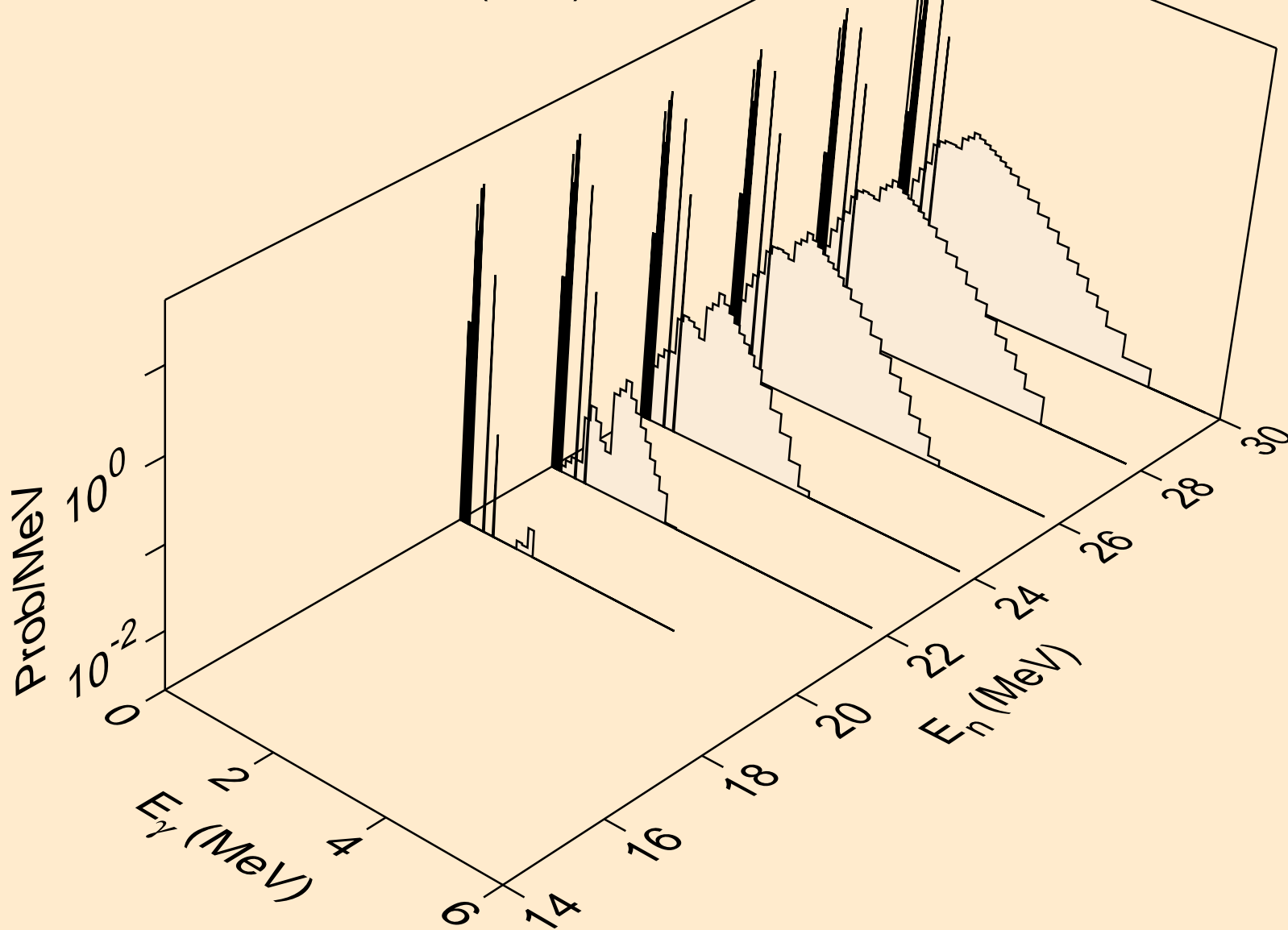




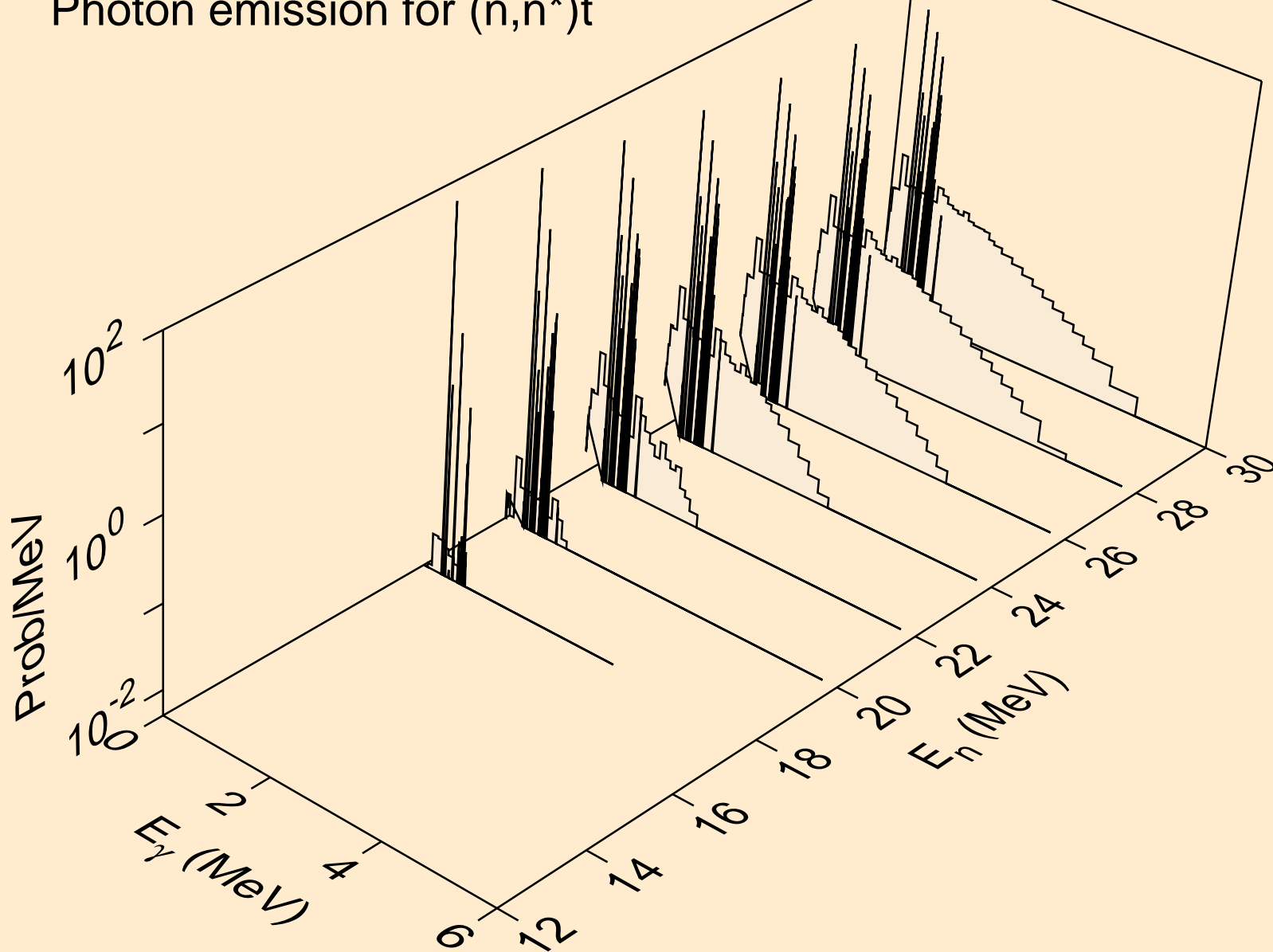
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



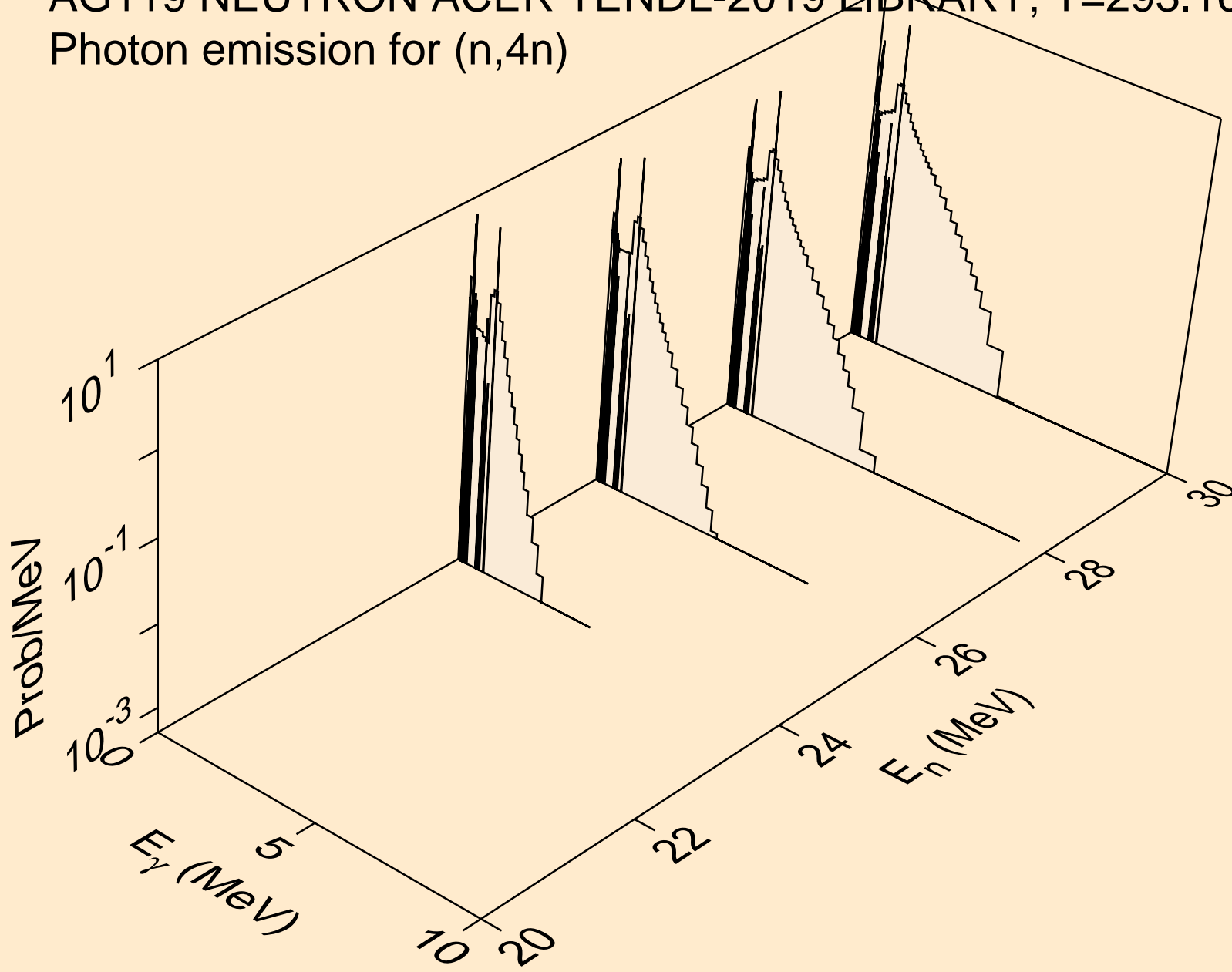
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



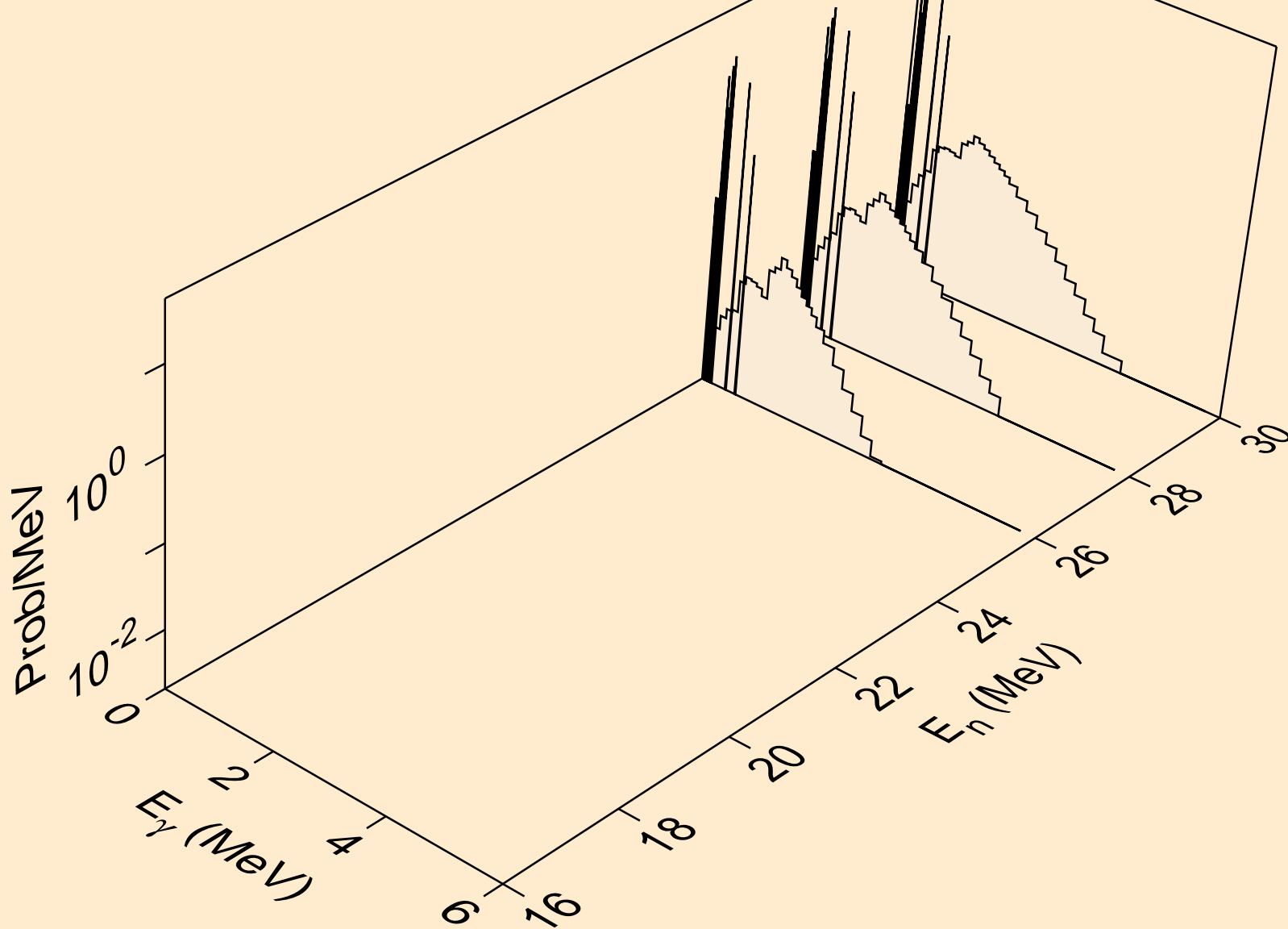
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



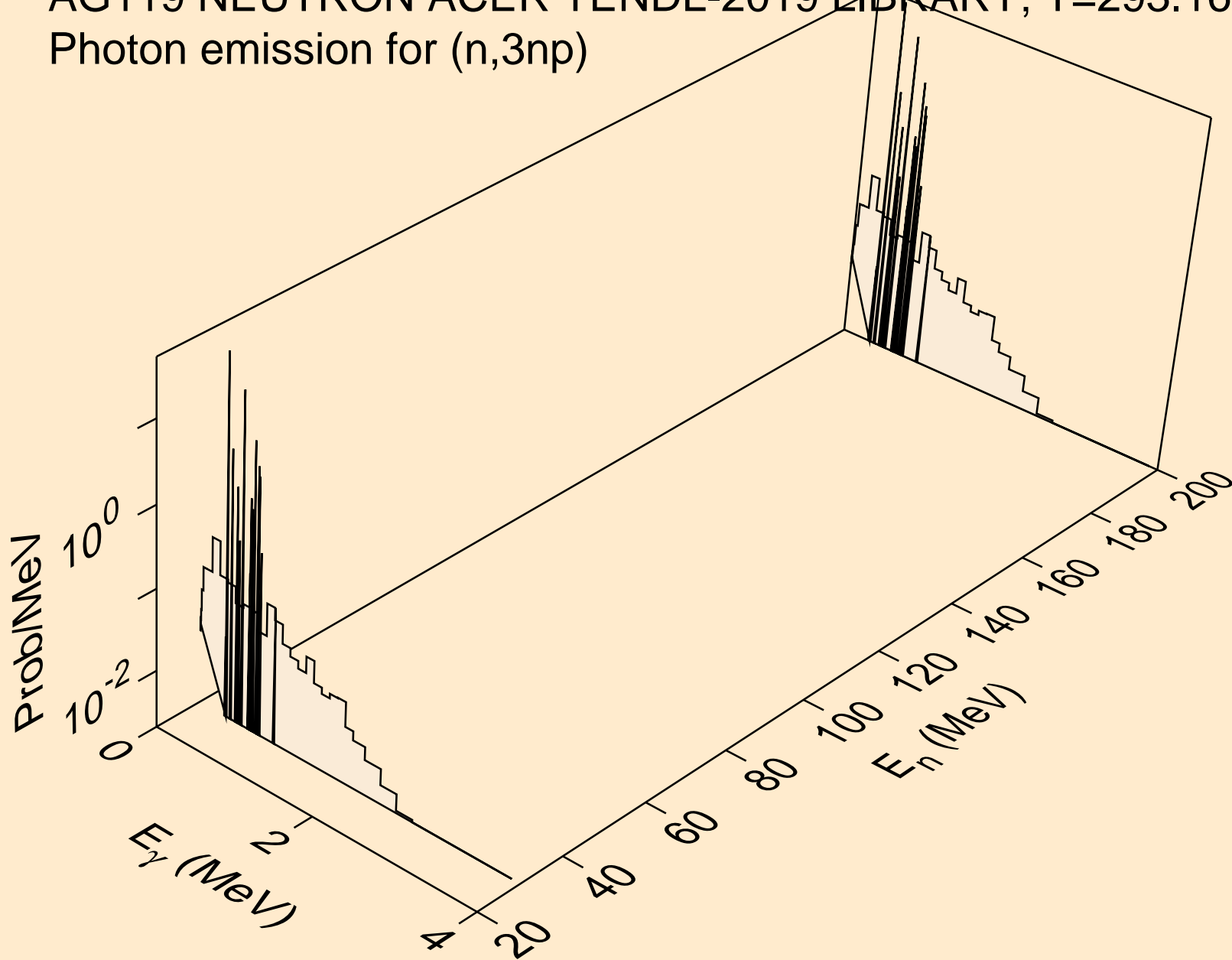
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



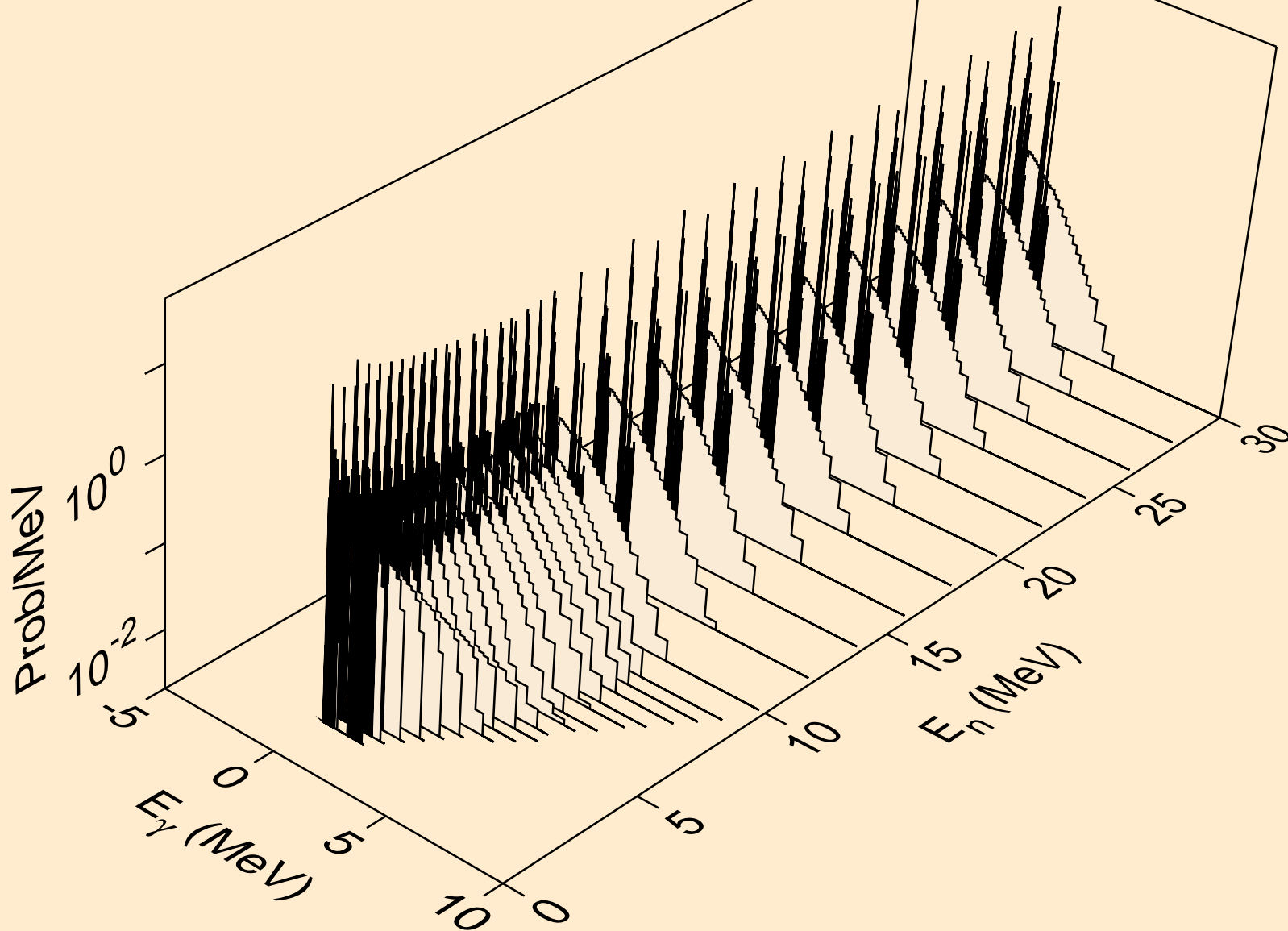
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



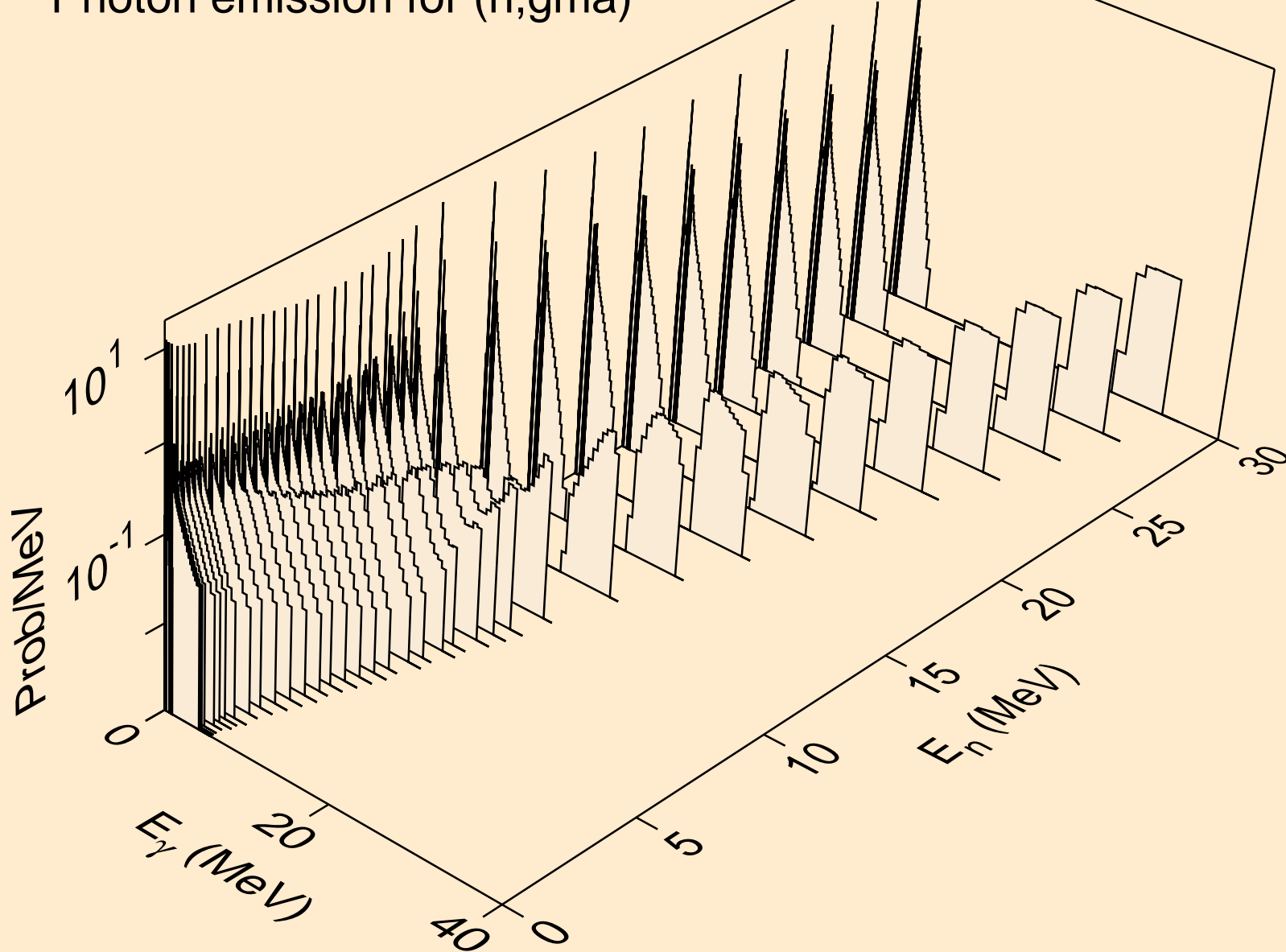
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

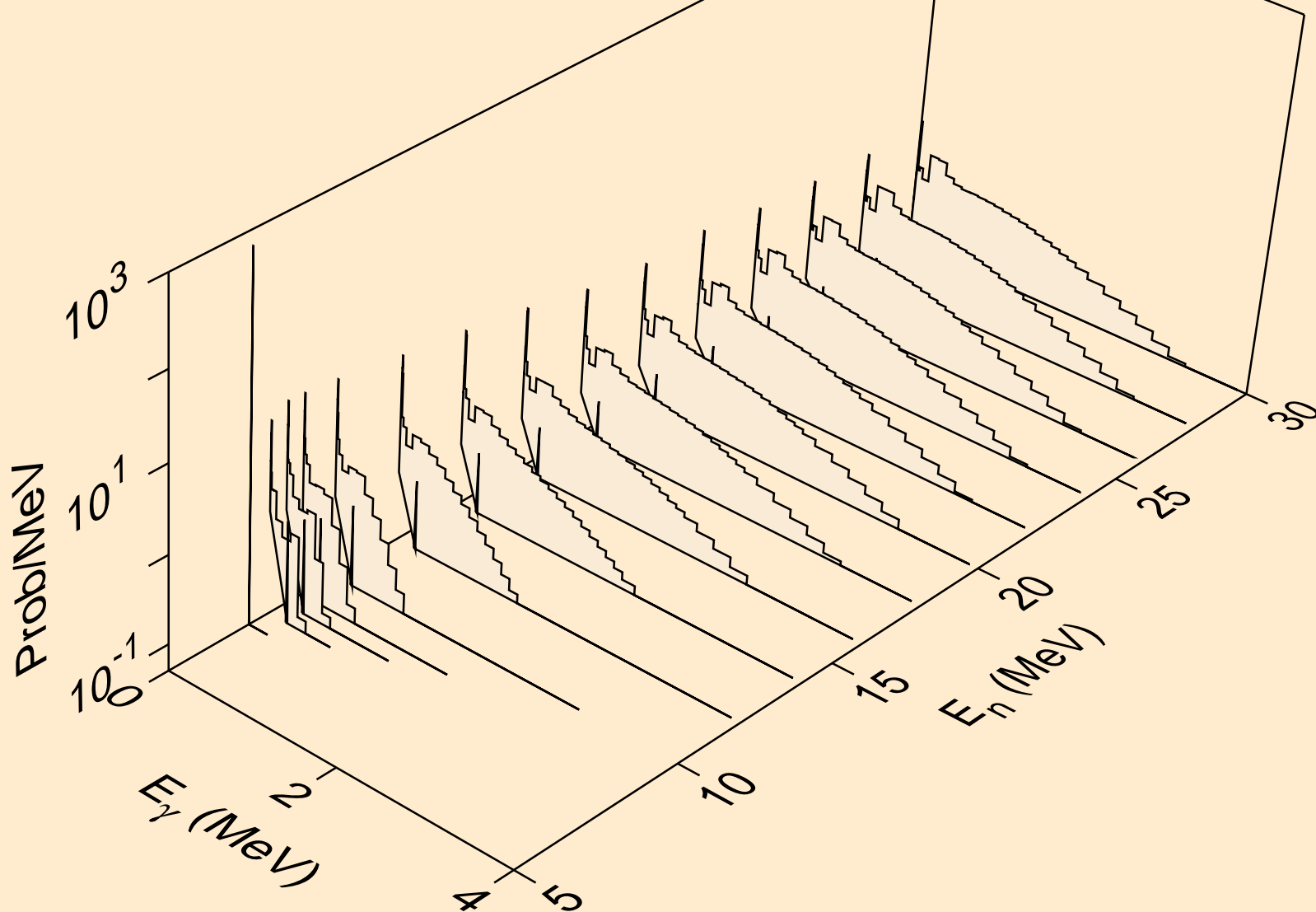


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

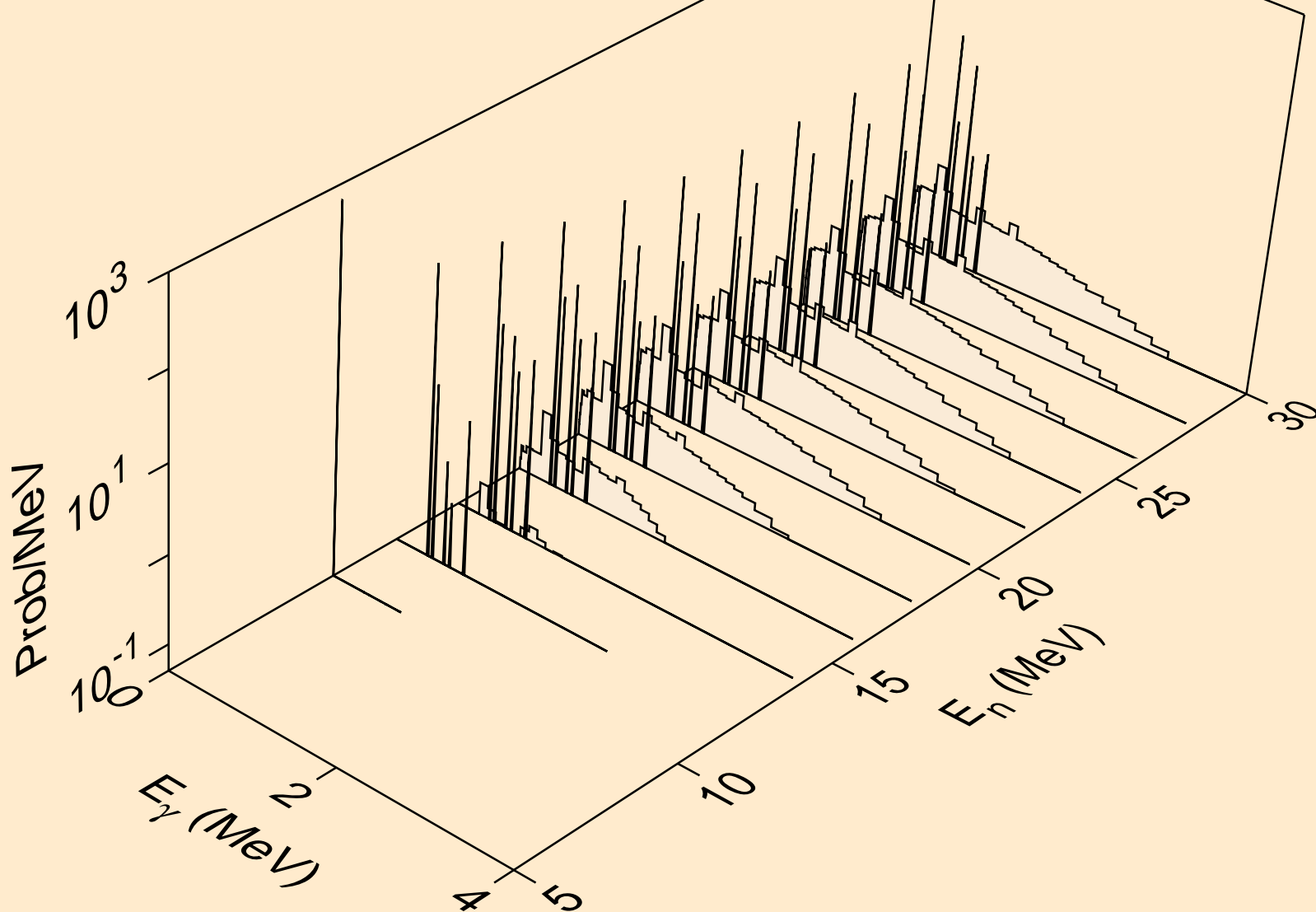




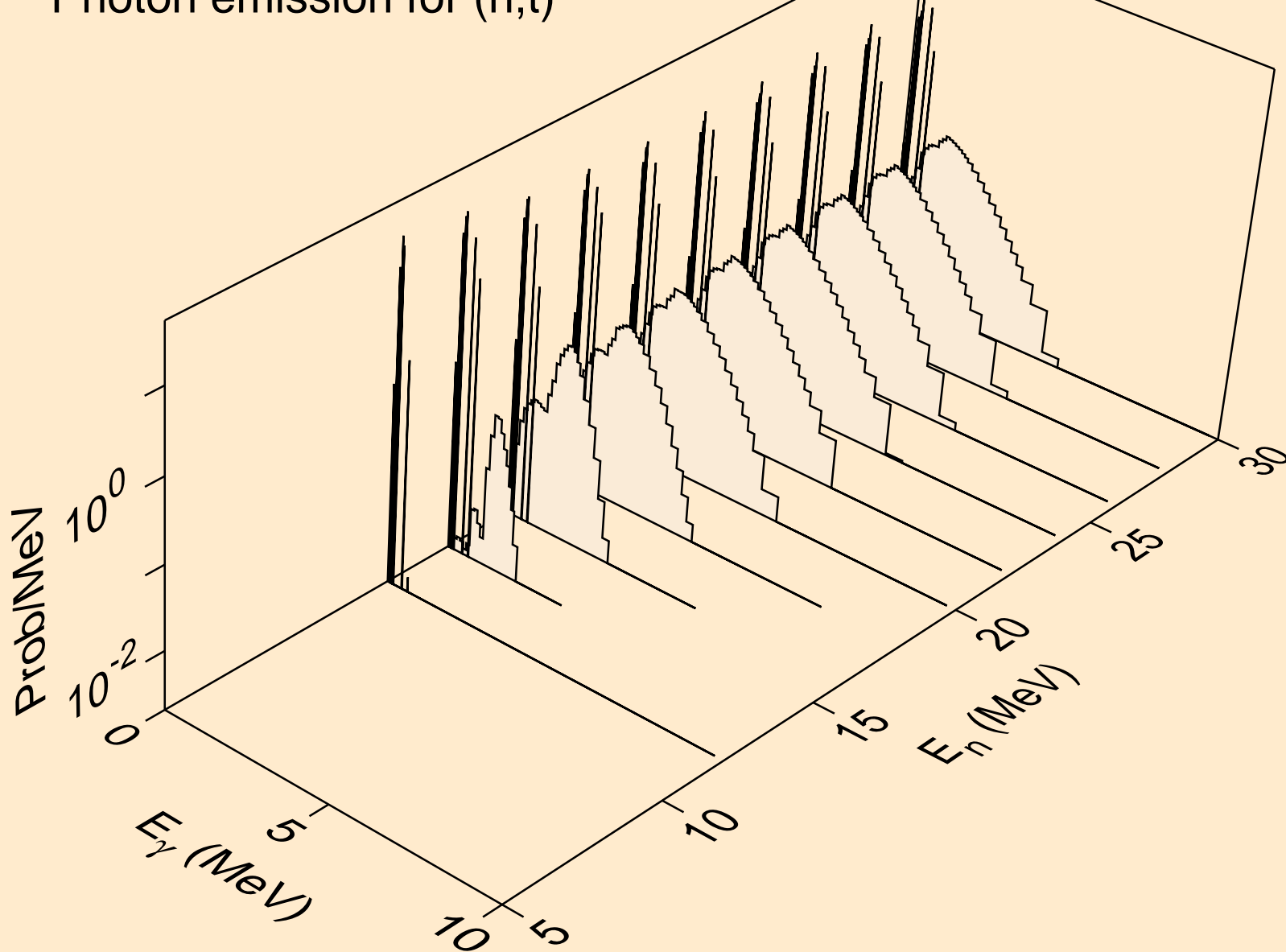
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



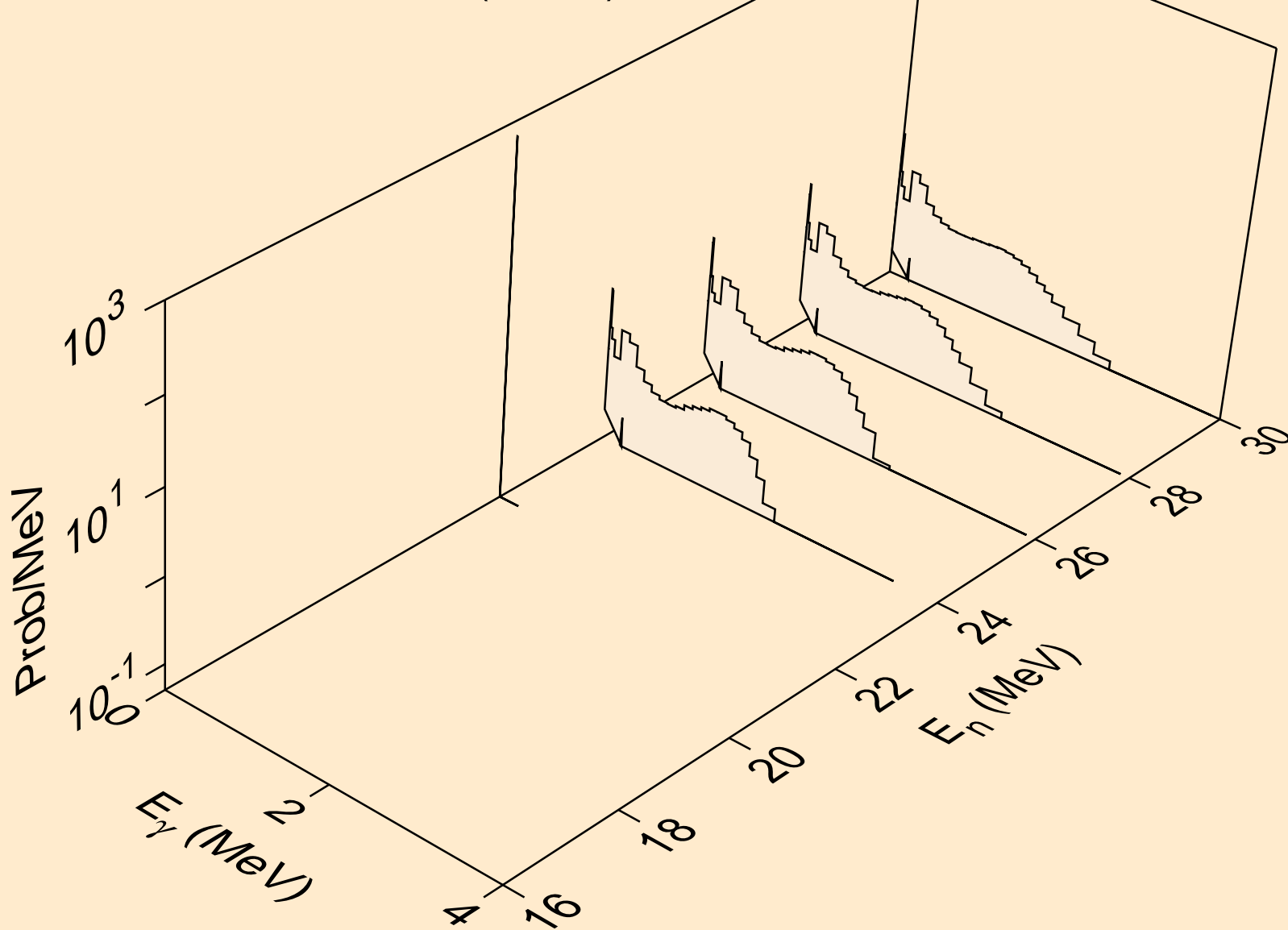
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



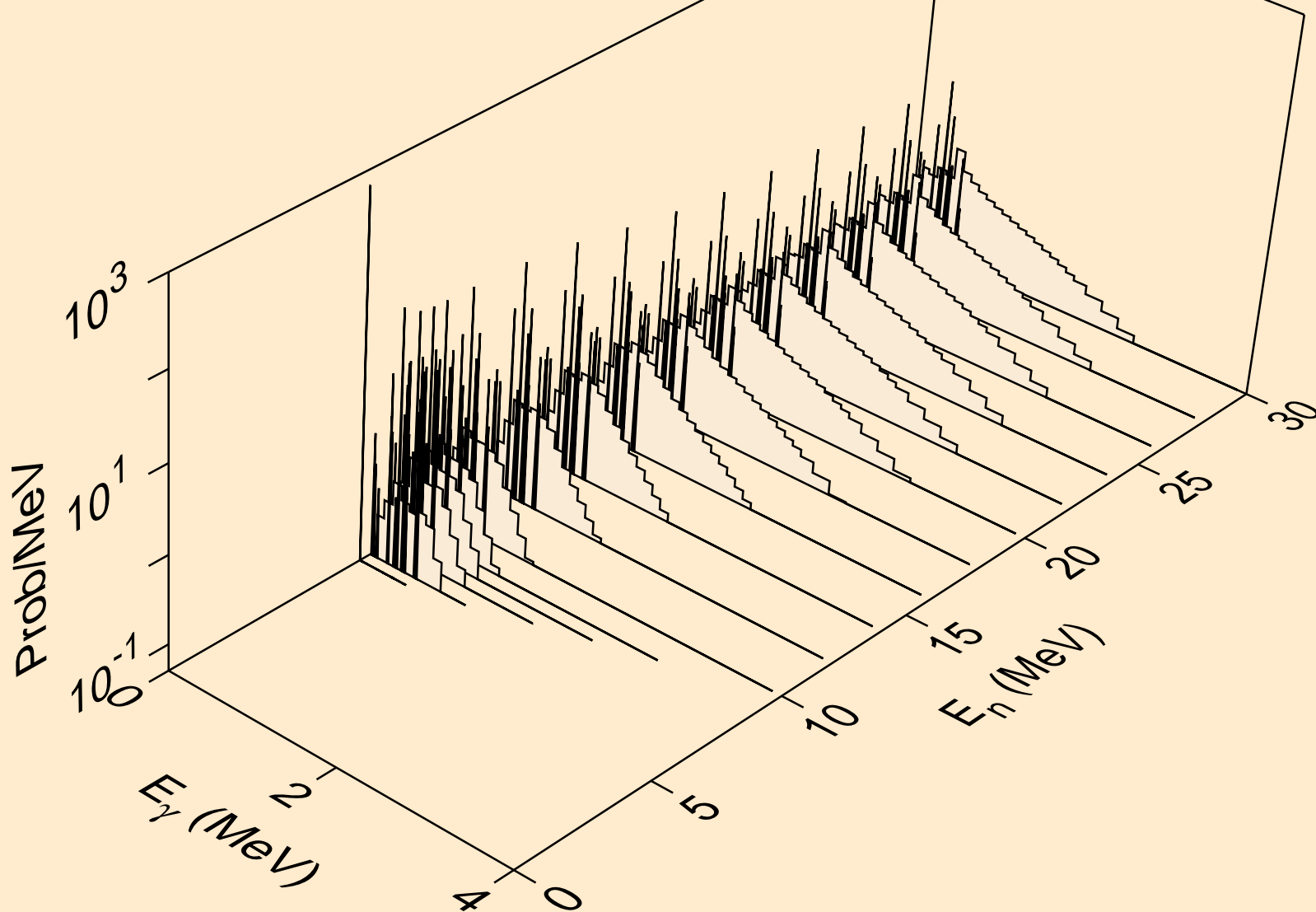
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



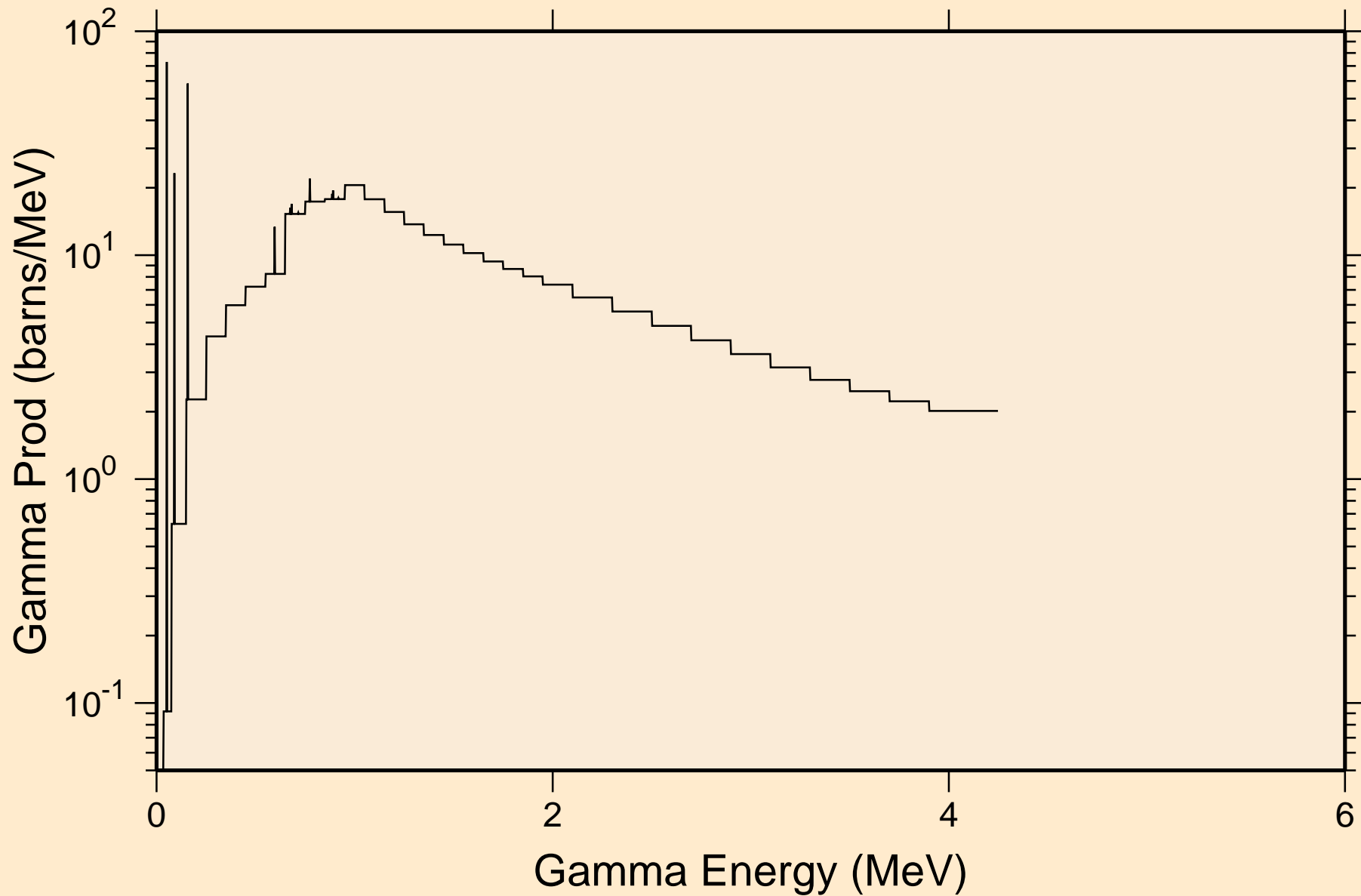
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



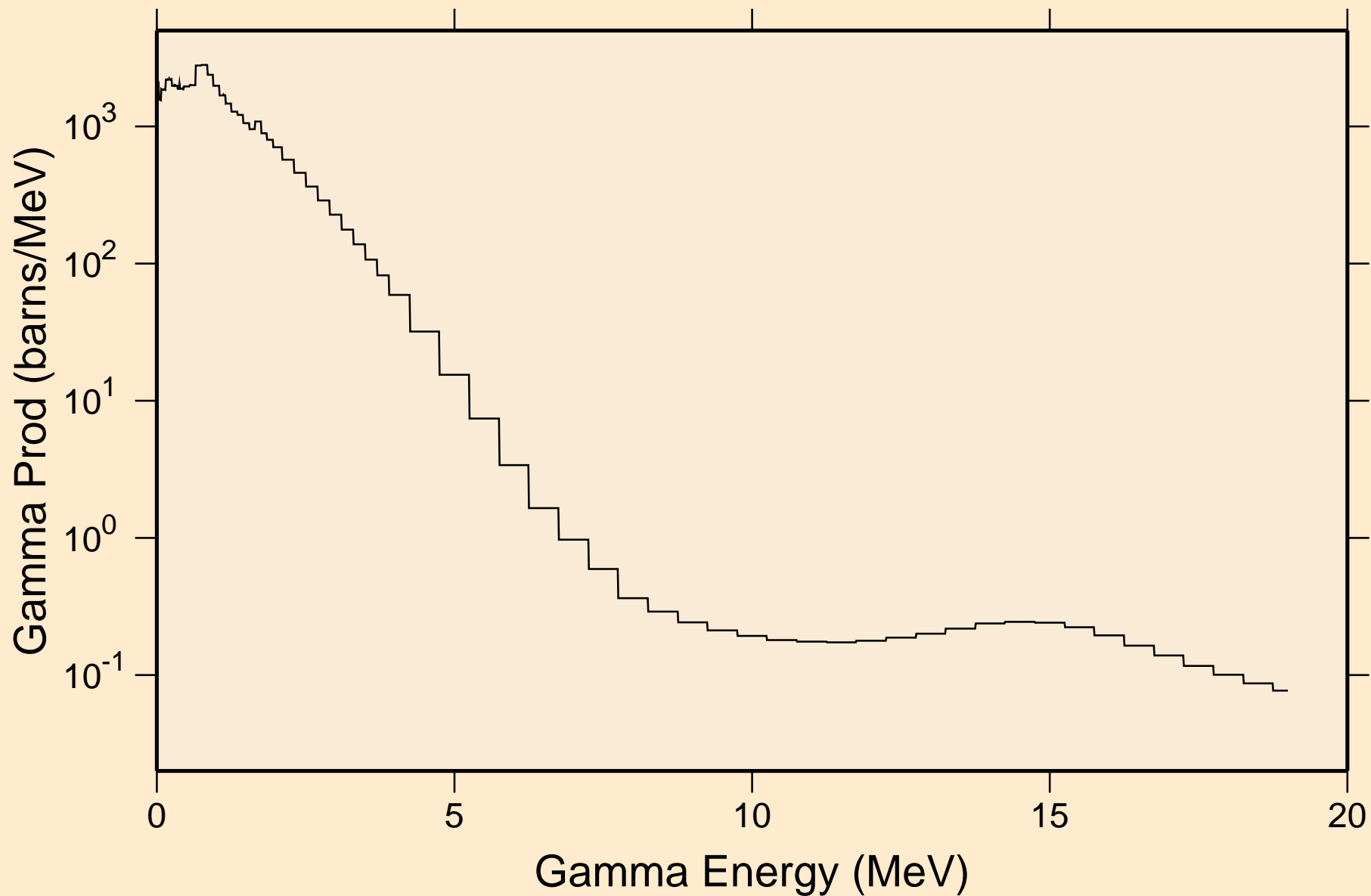
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

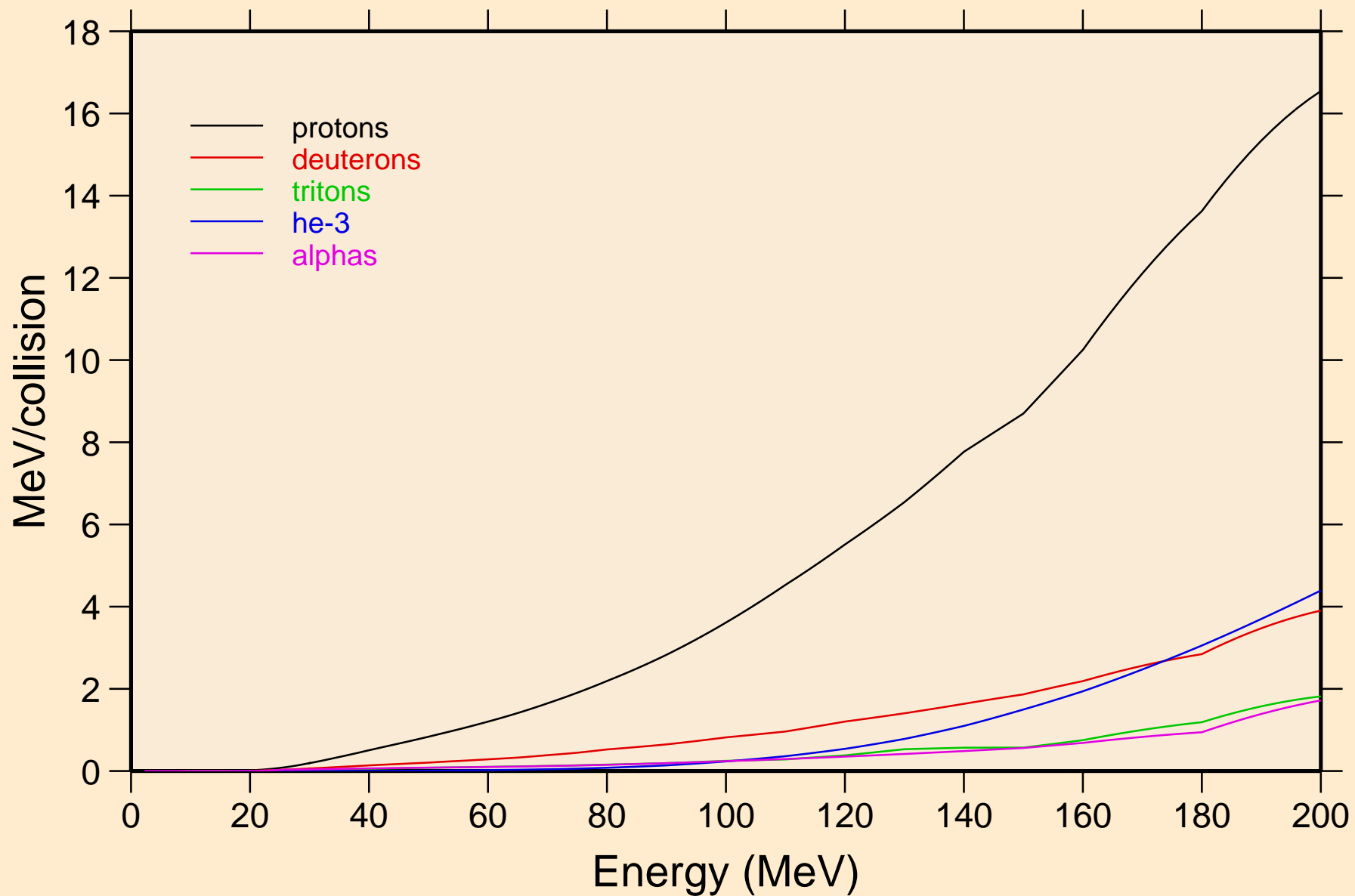


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



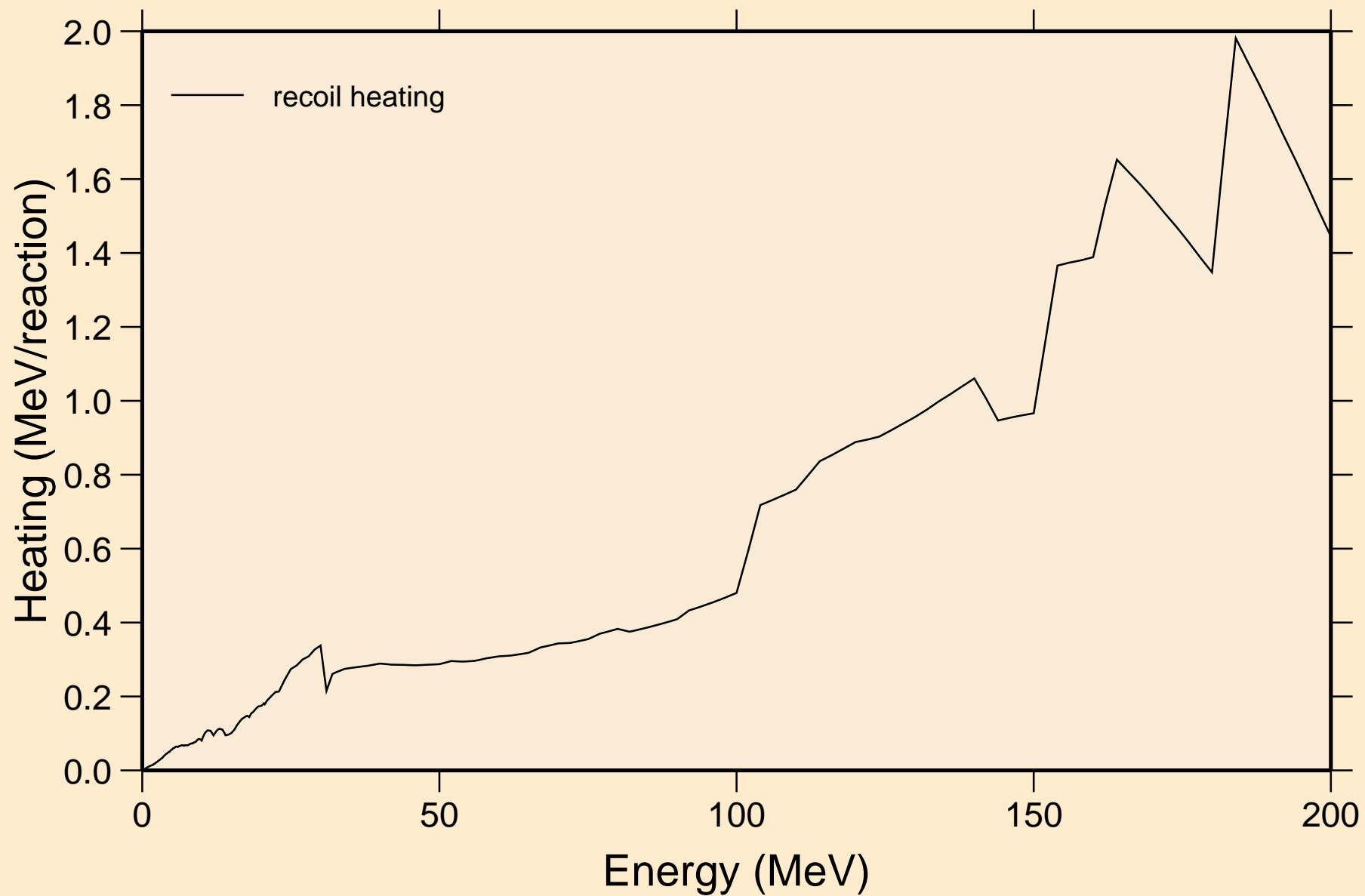
# AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

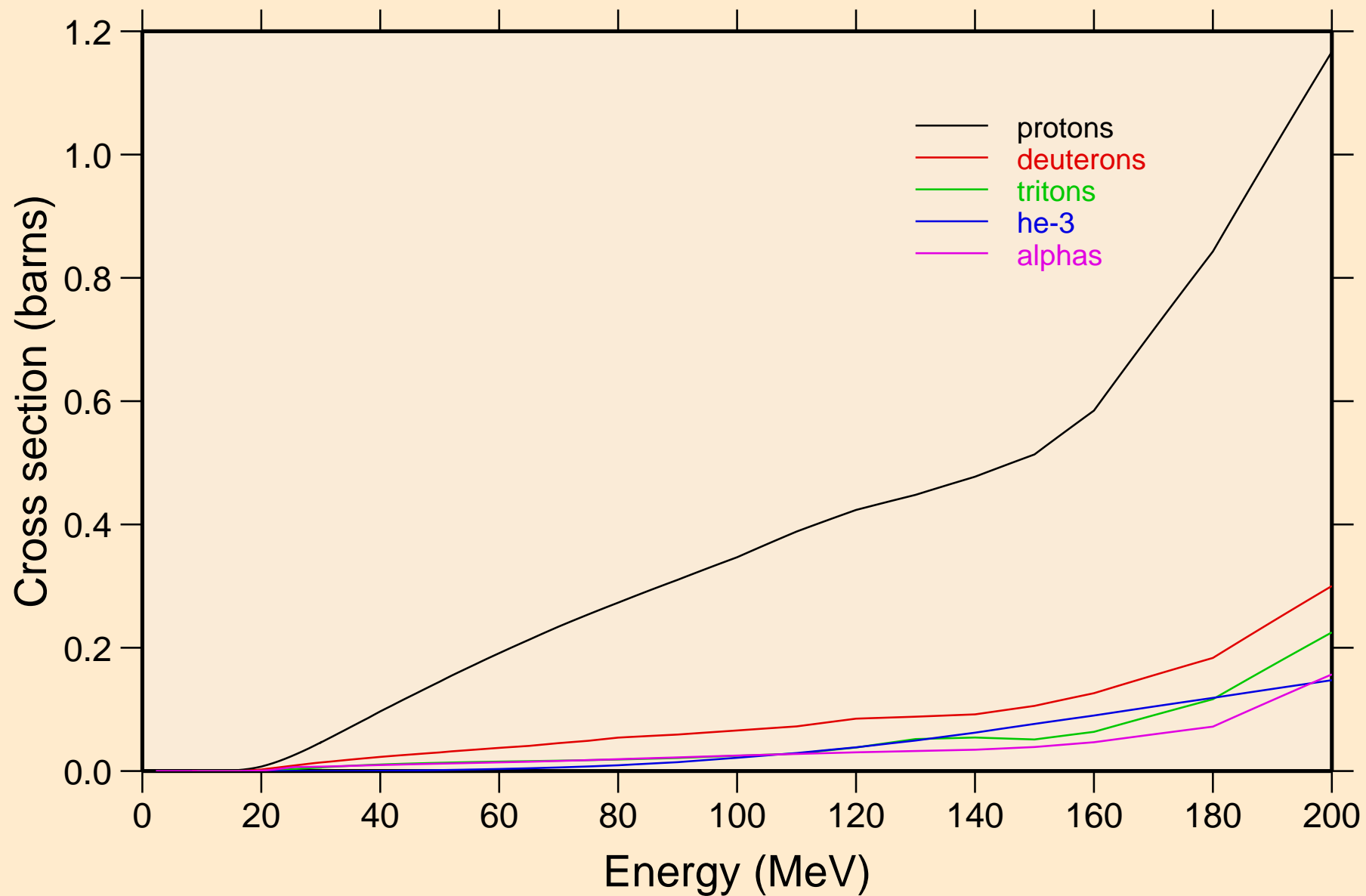




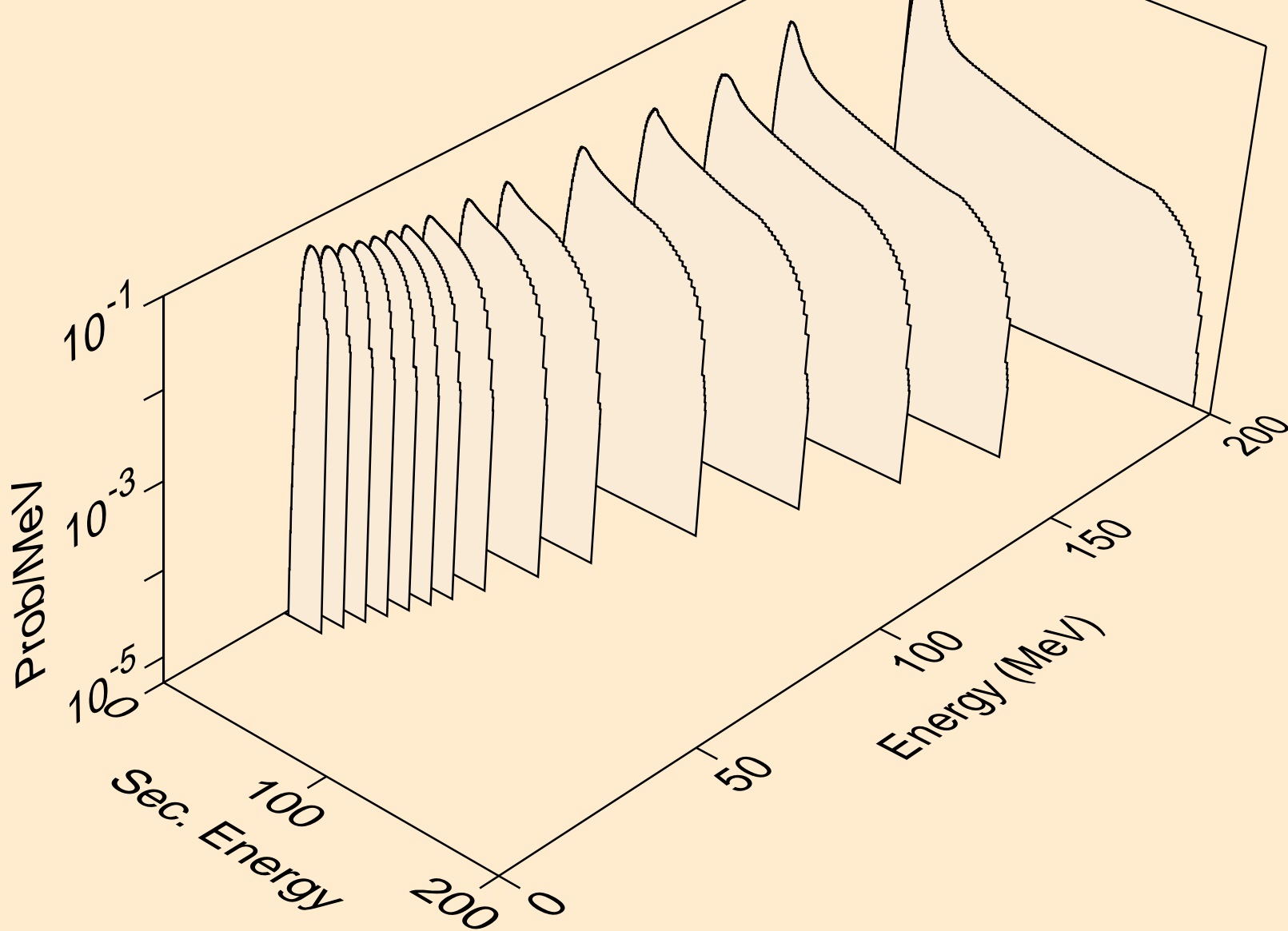
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



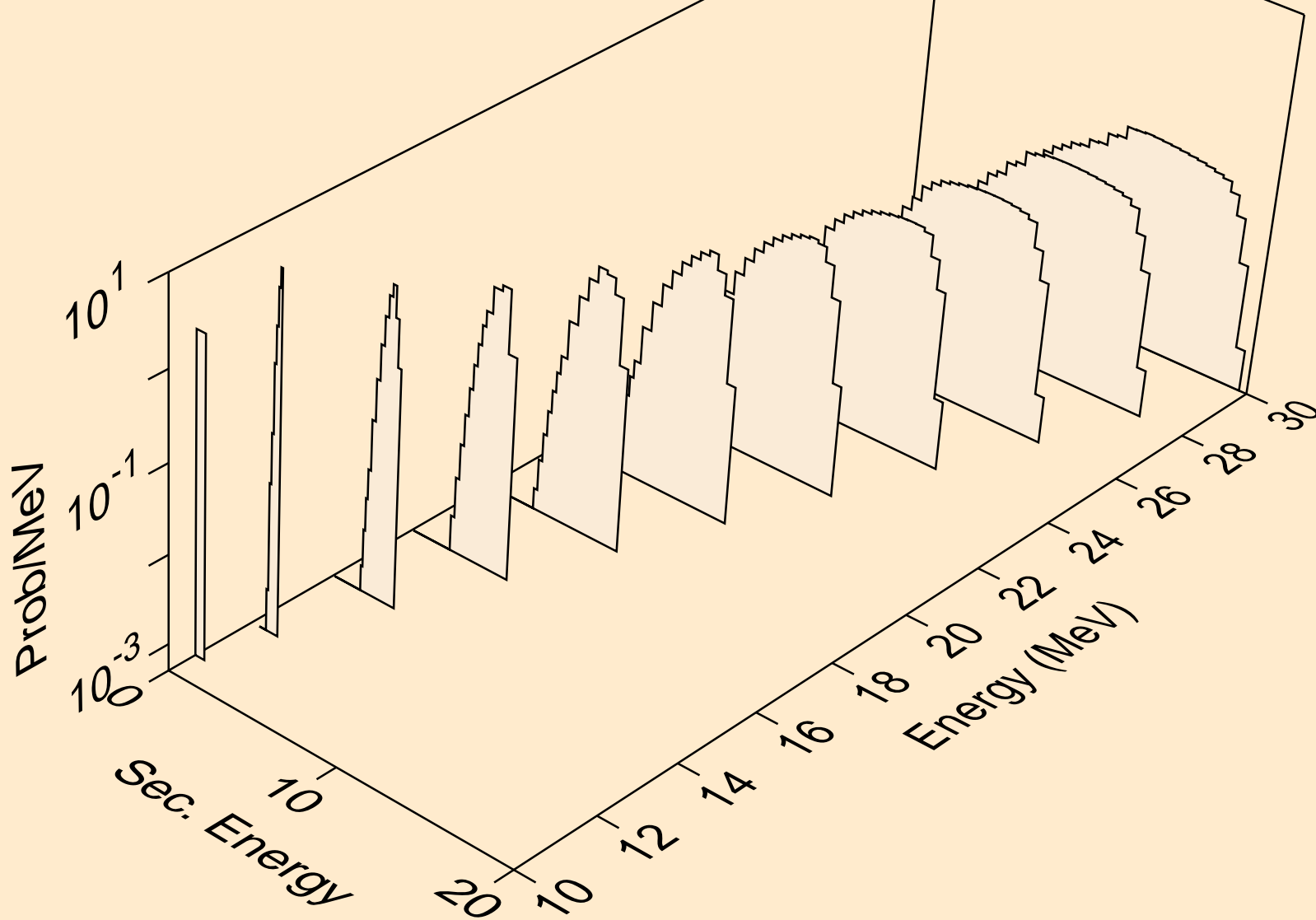
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



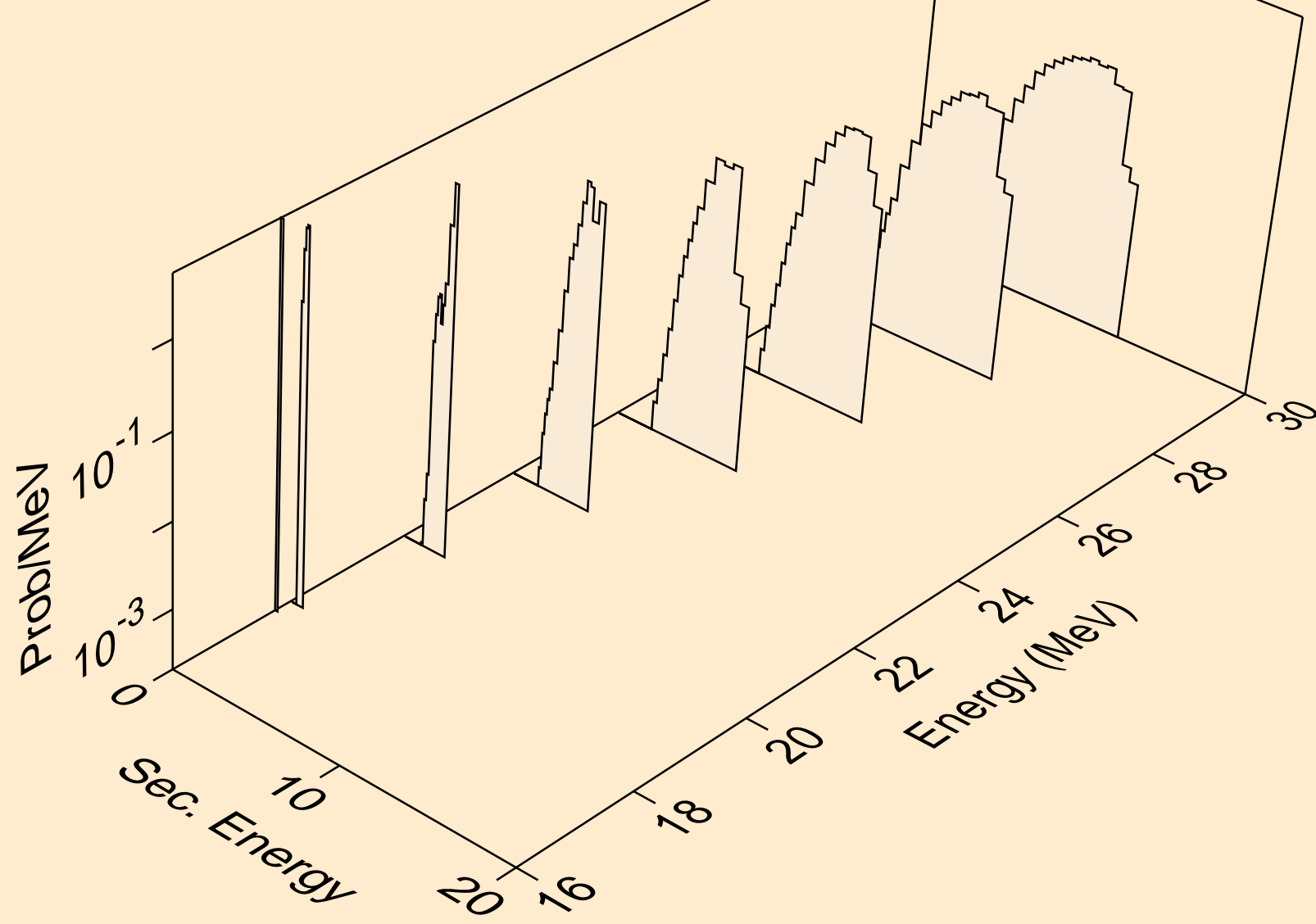
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



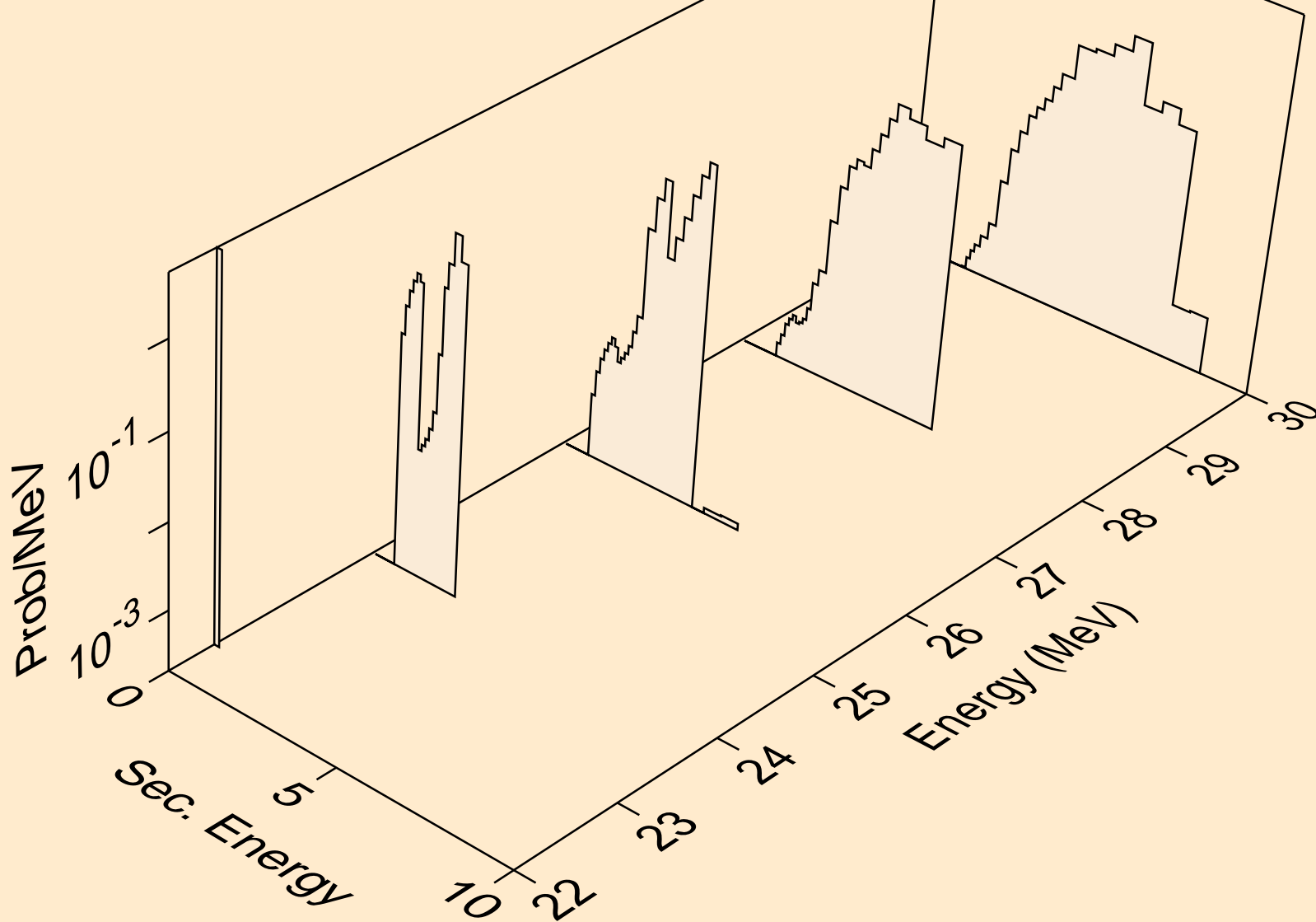
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



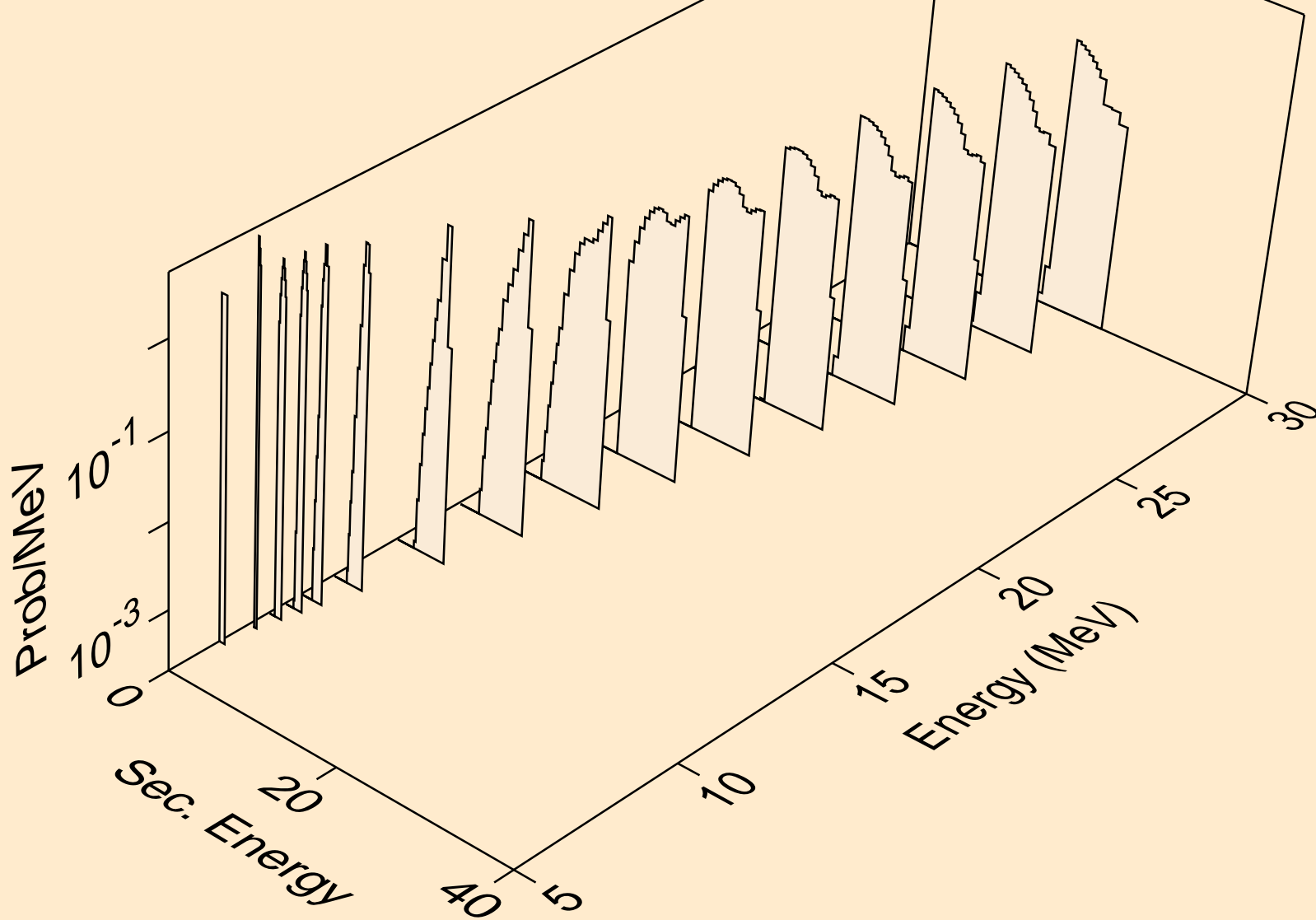
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protons from (n,2np)



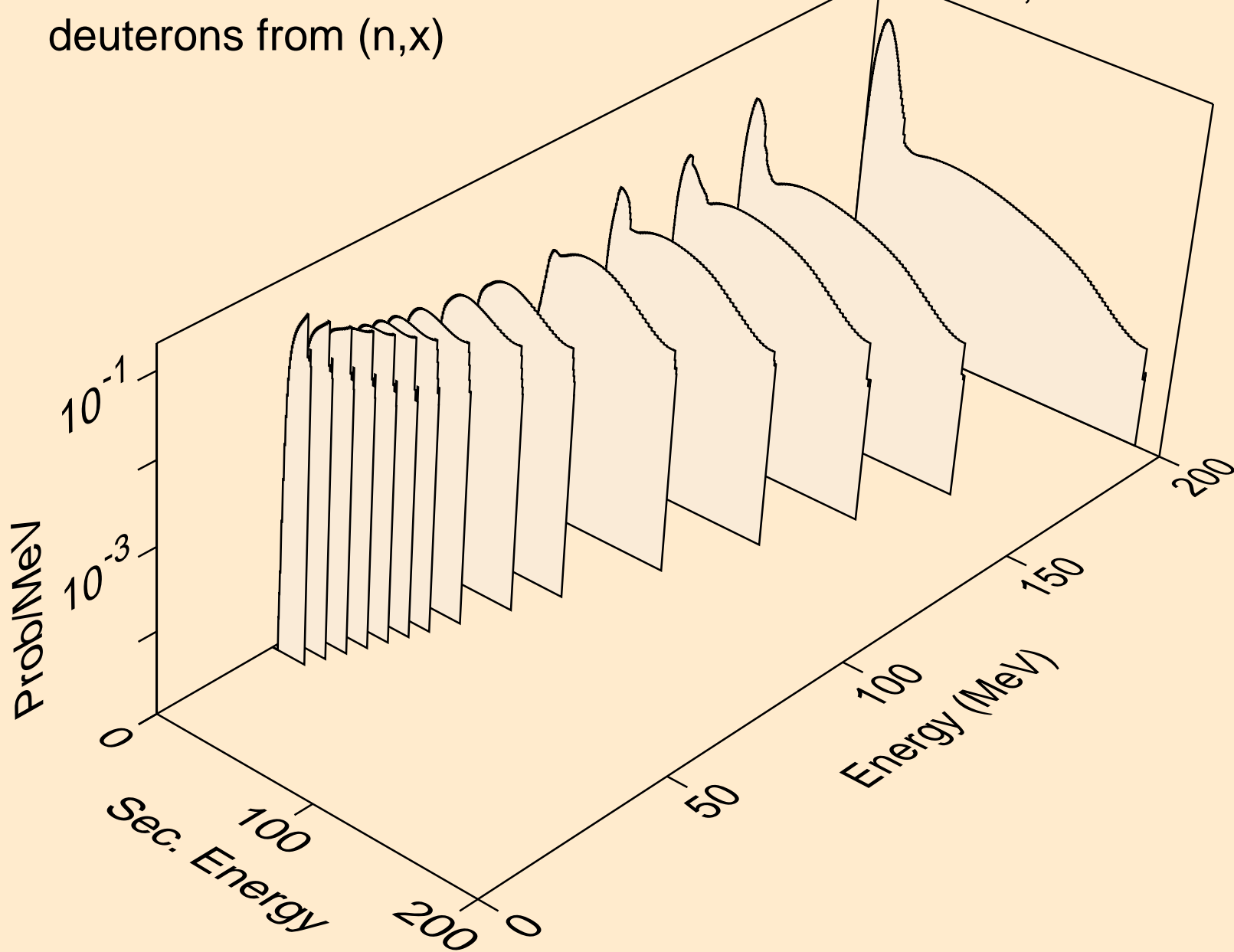
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

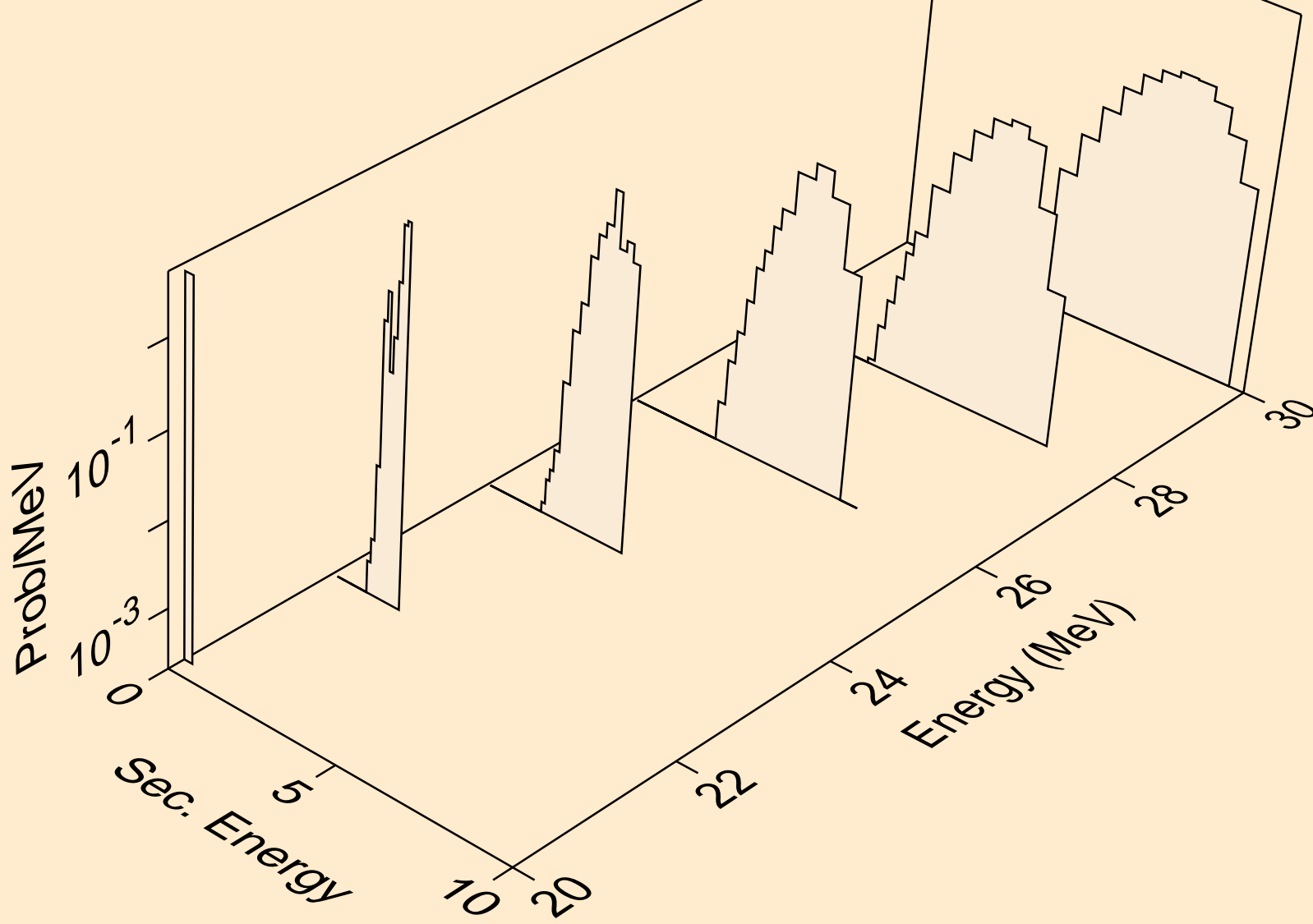


AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

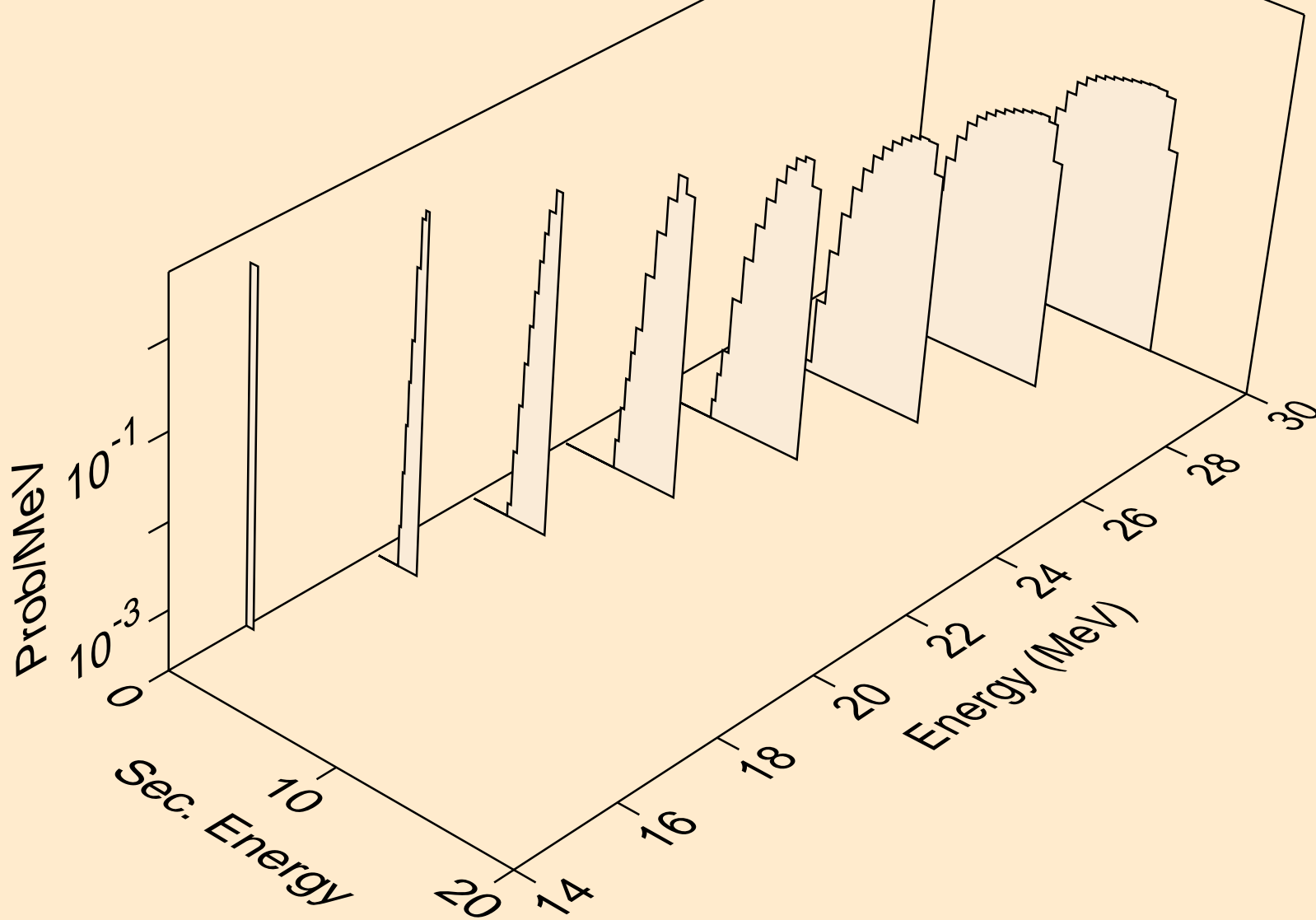




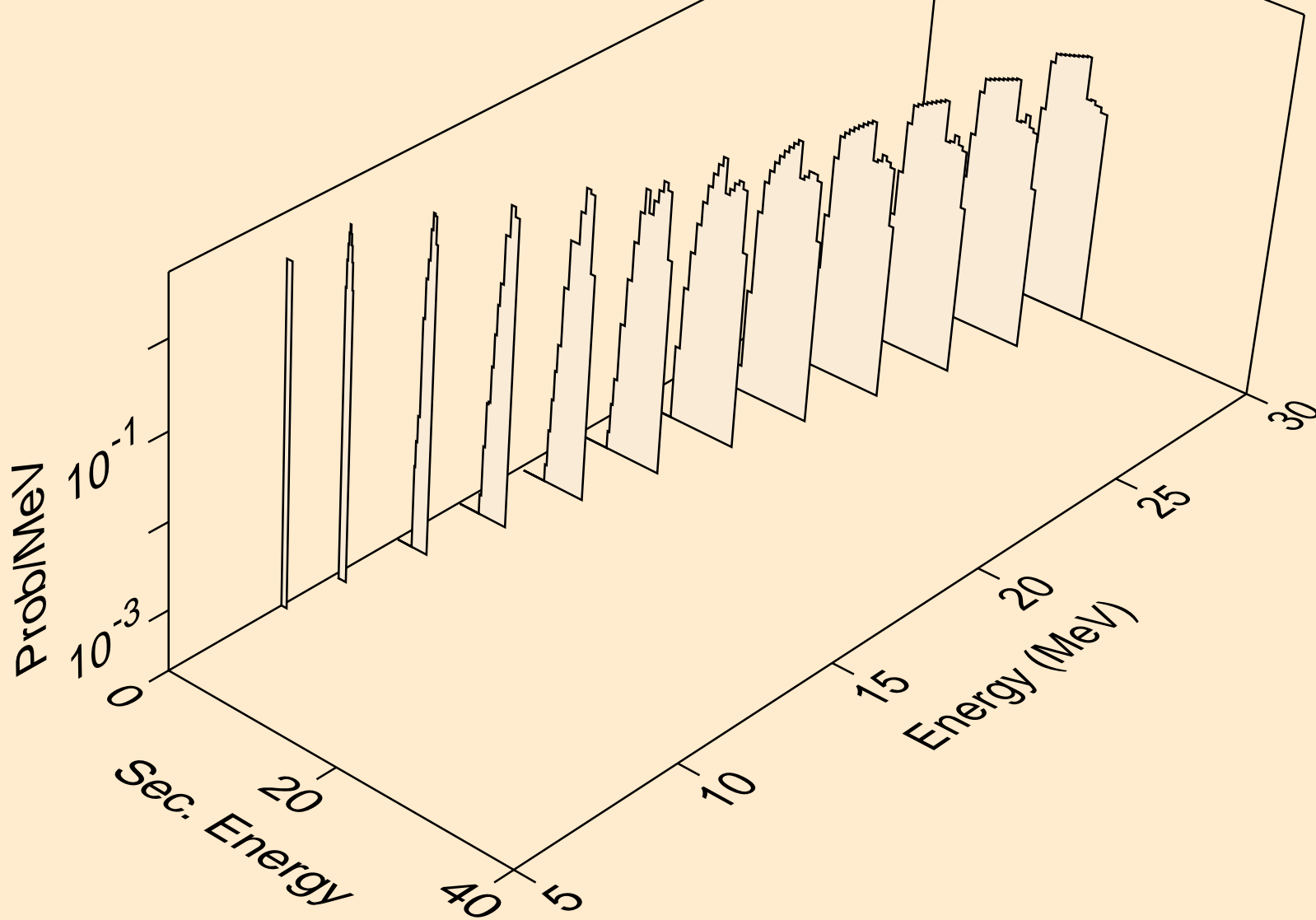
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



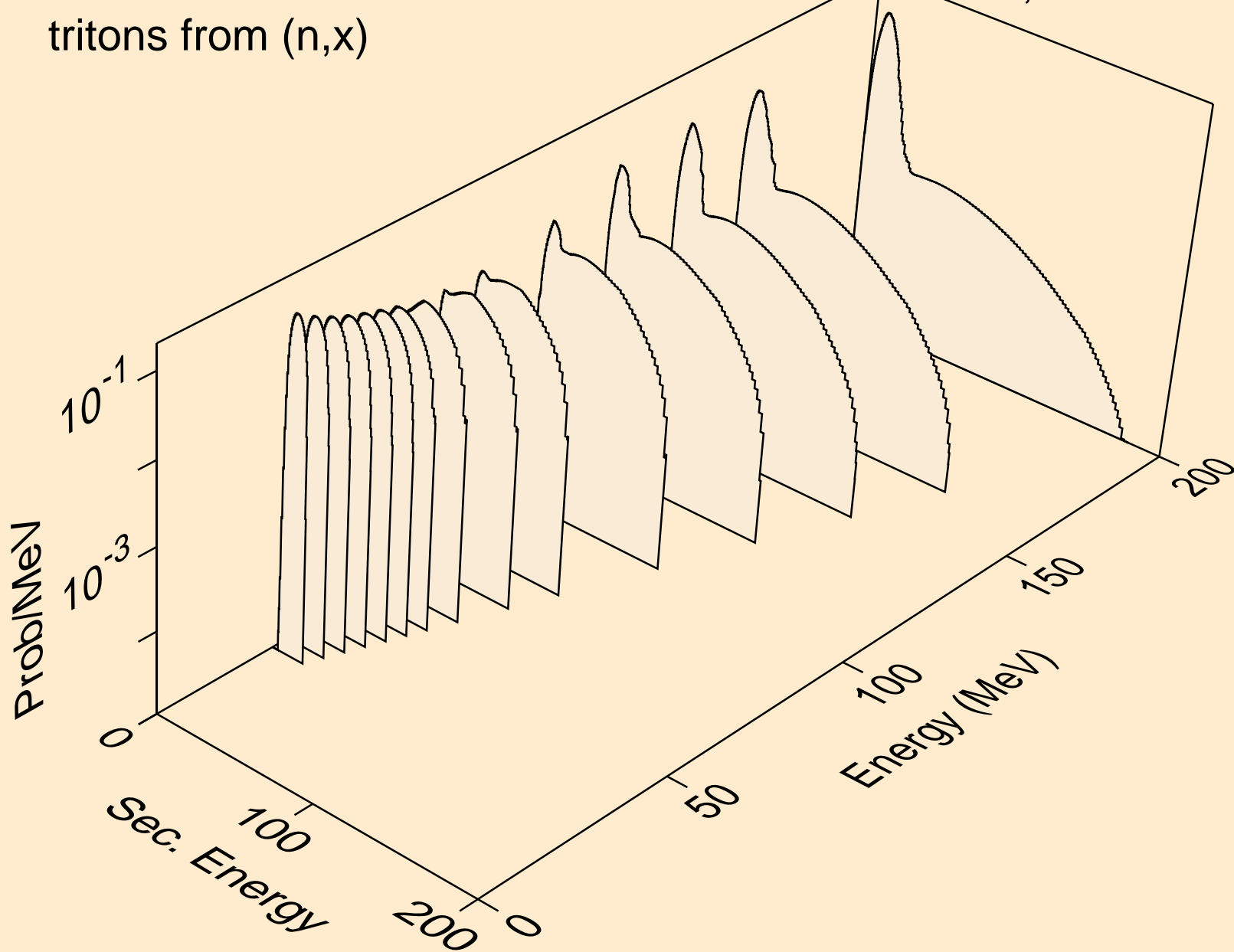
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



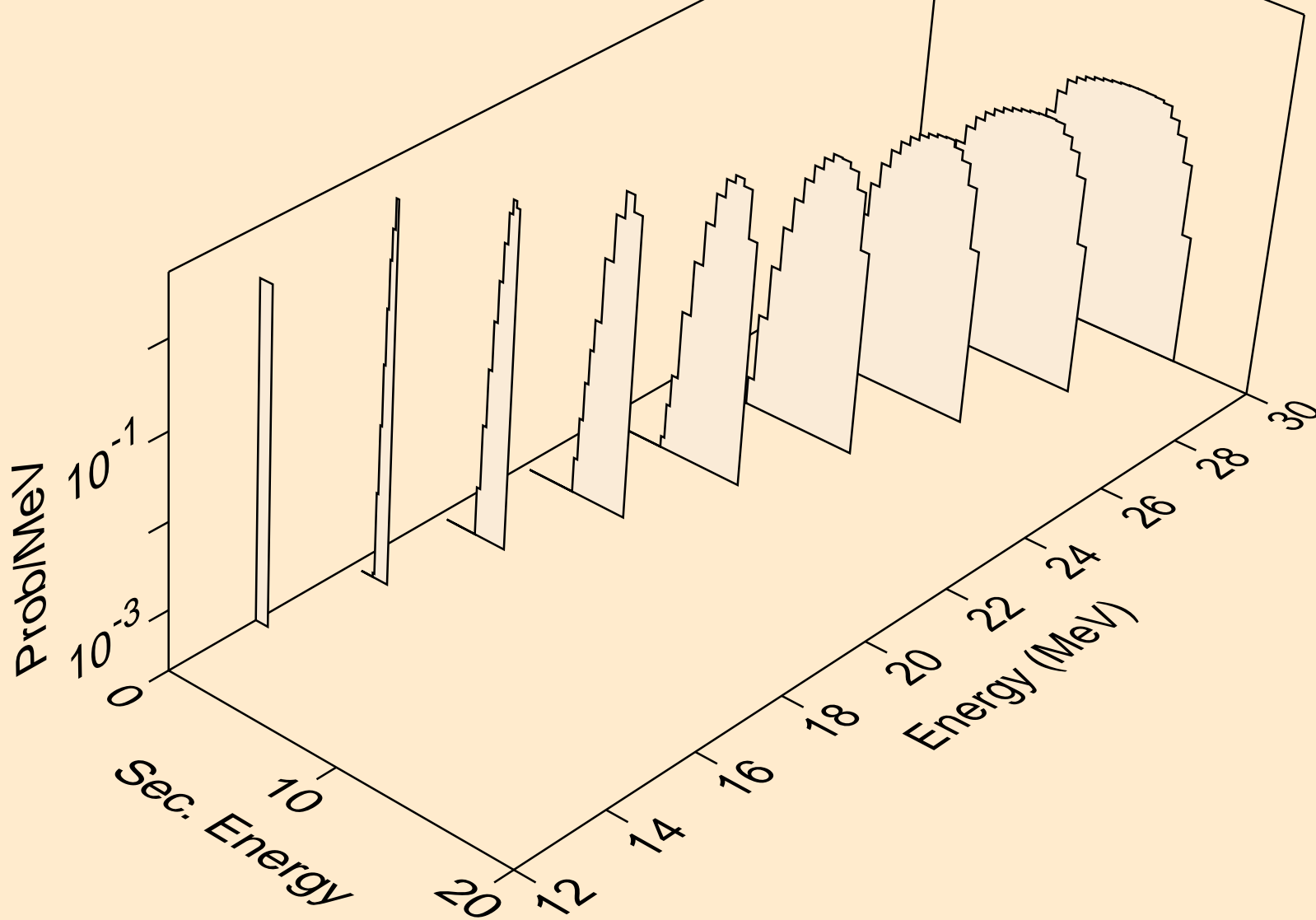
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deuterons from (n,d)



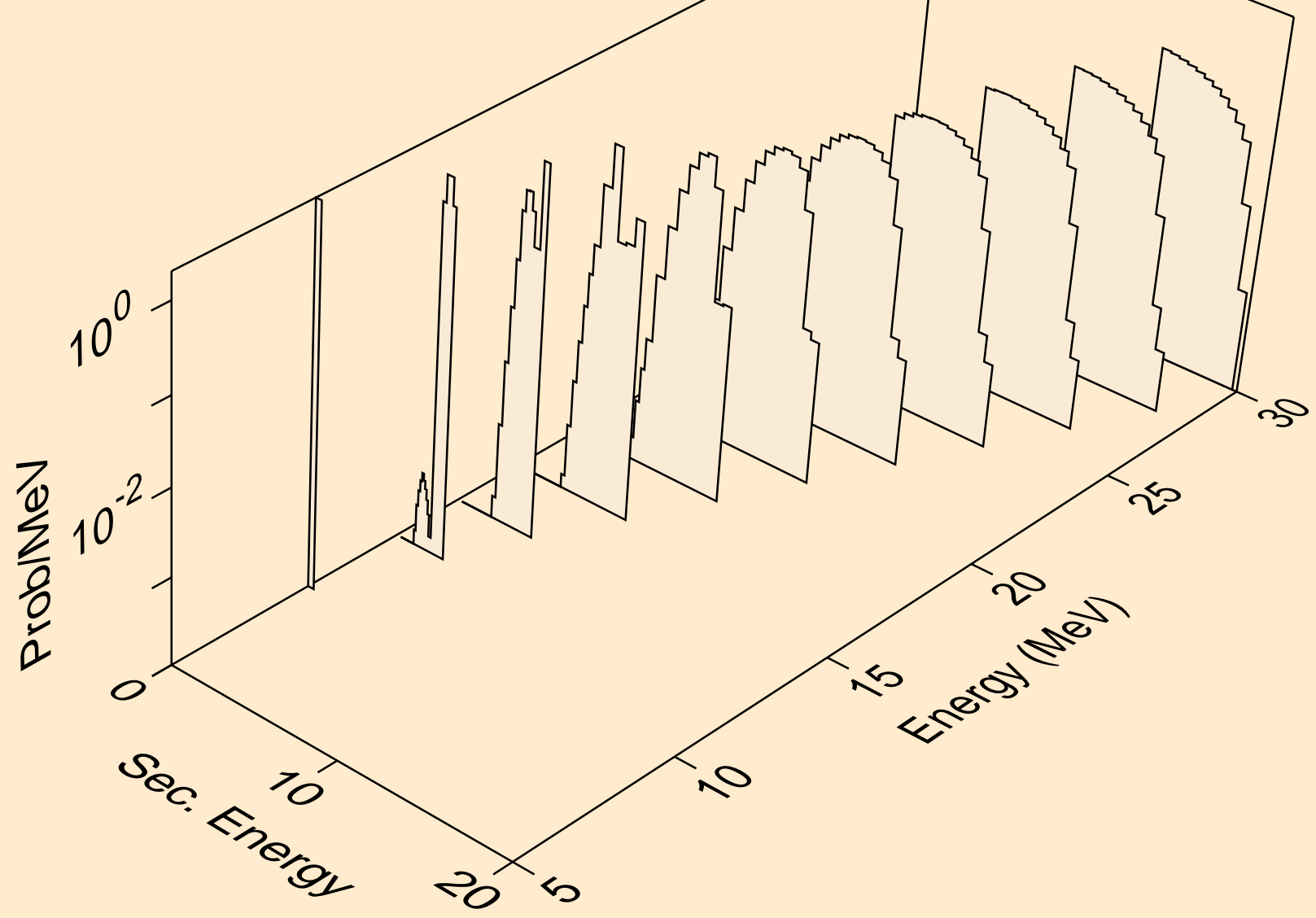
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



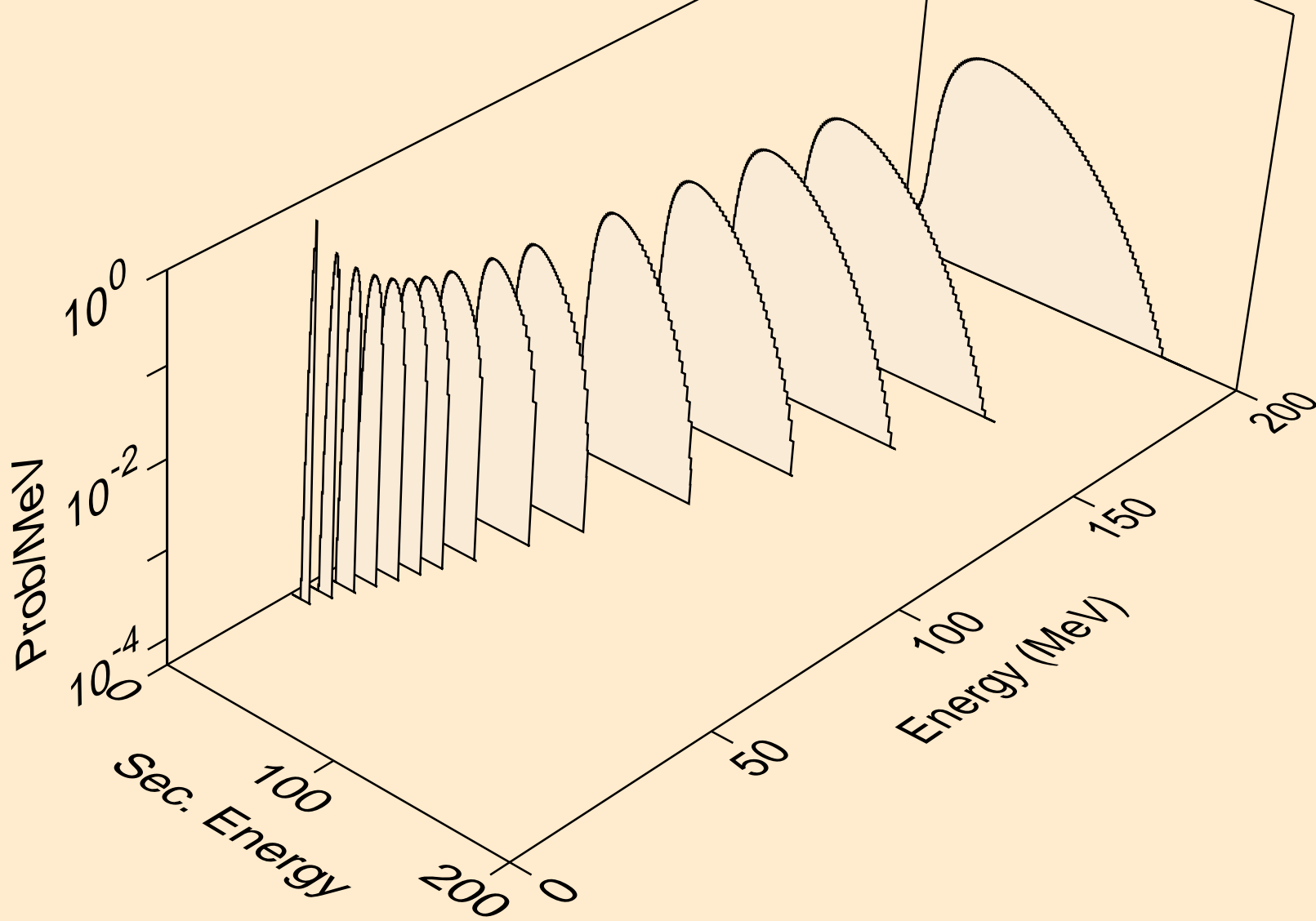
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



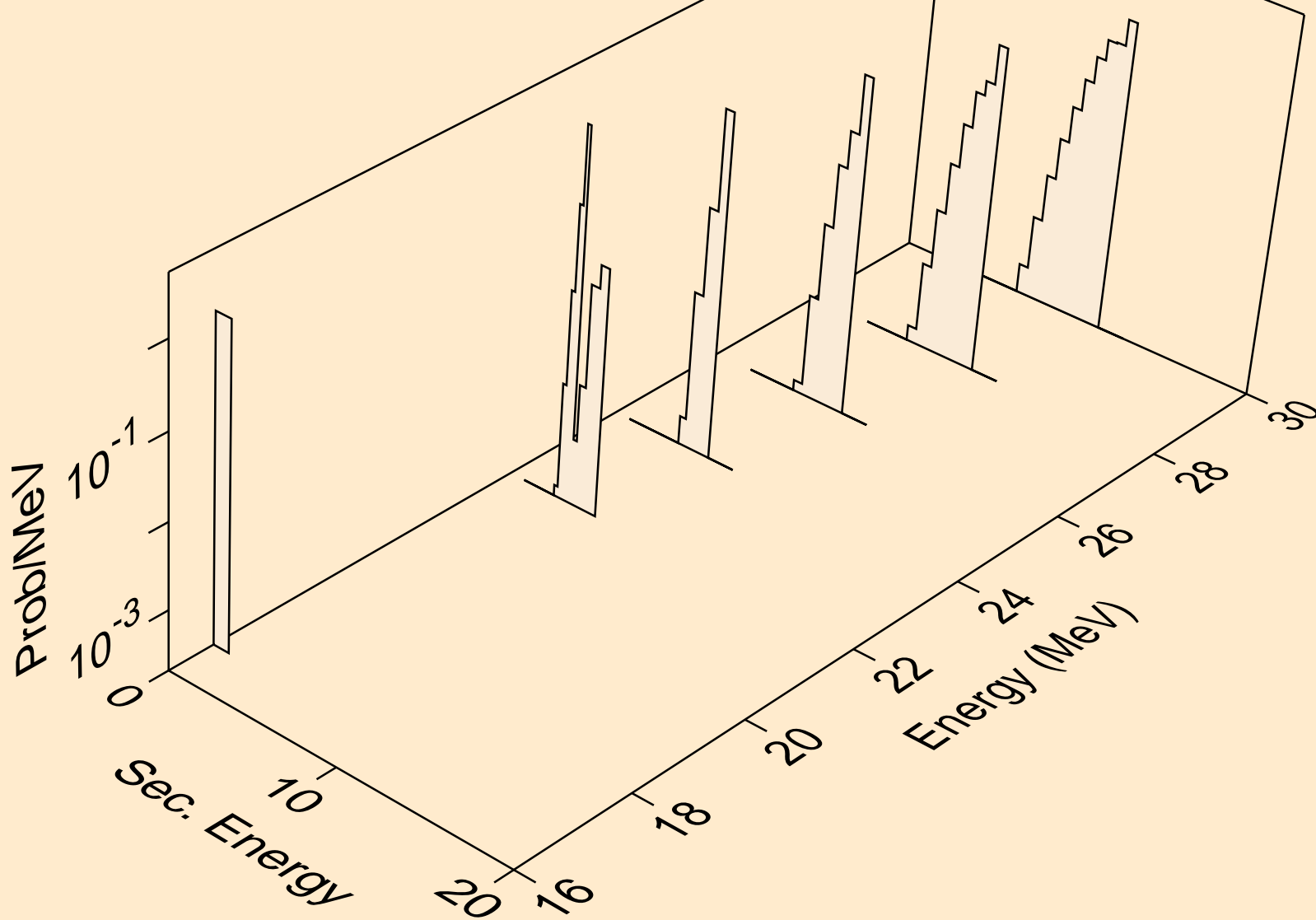
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

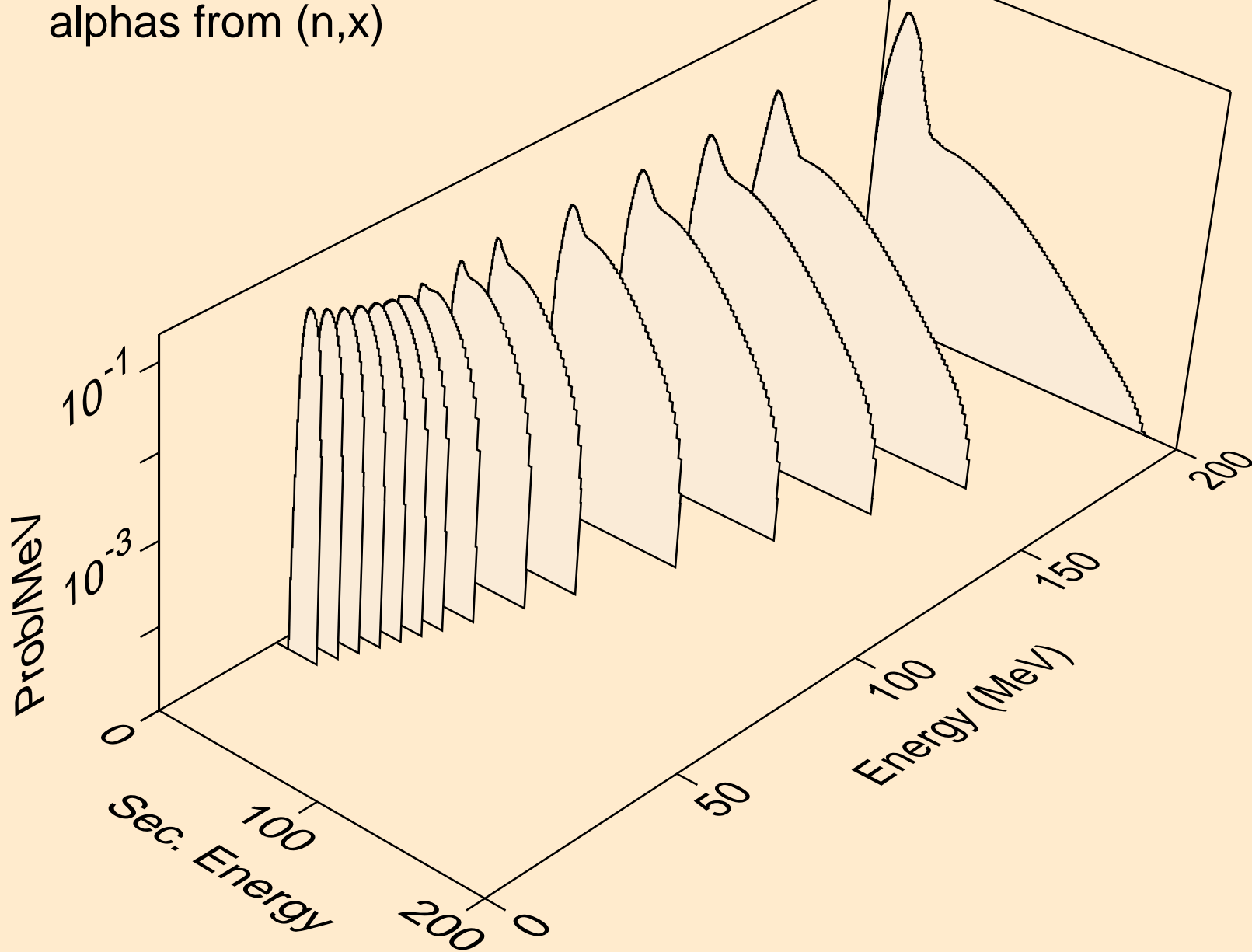


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he3s from (n,he3)

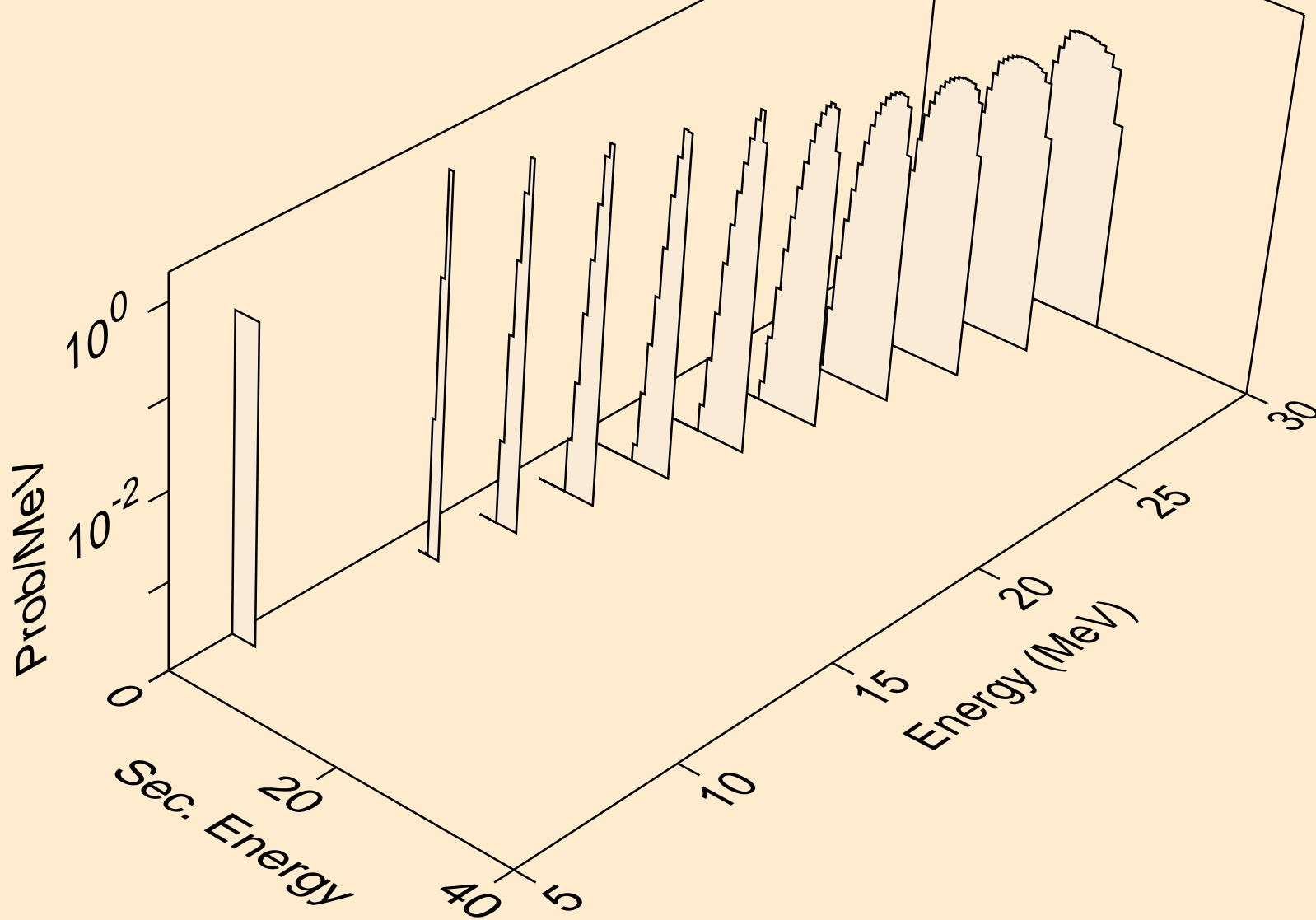




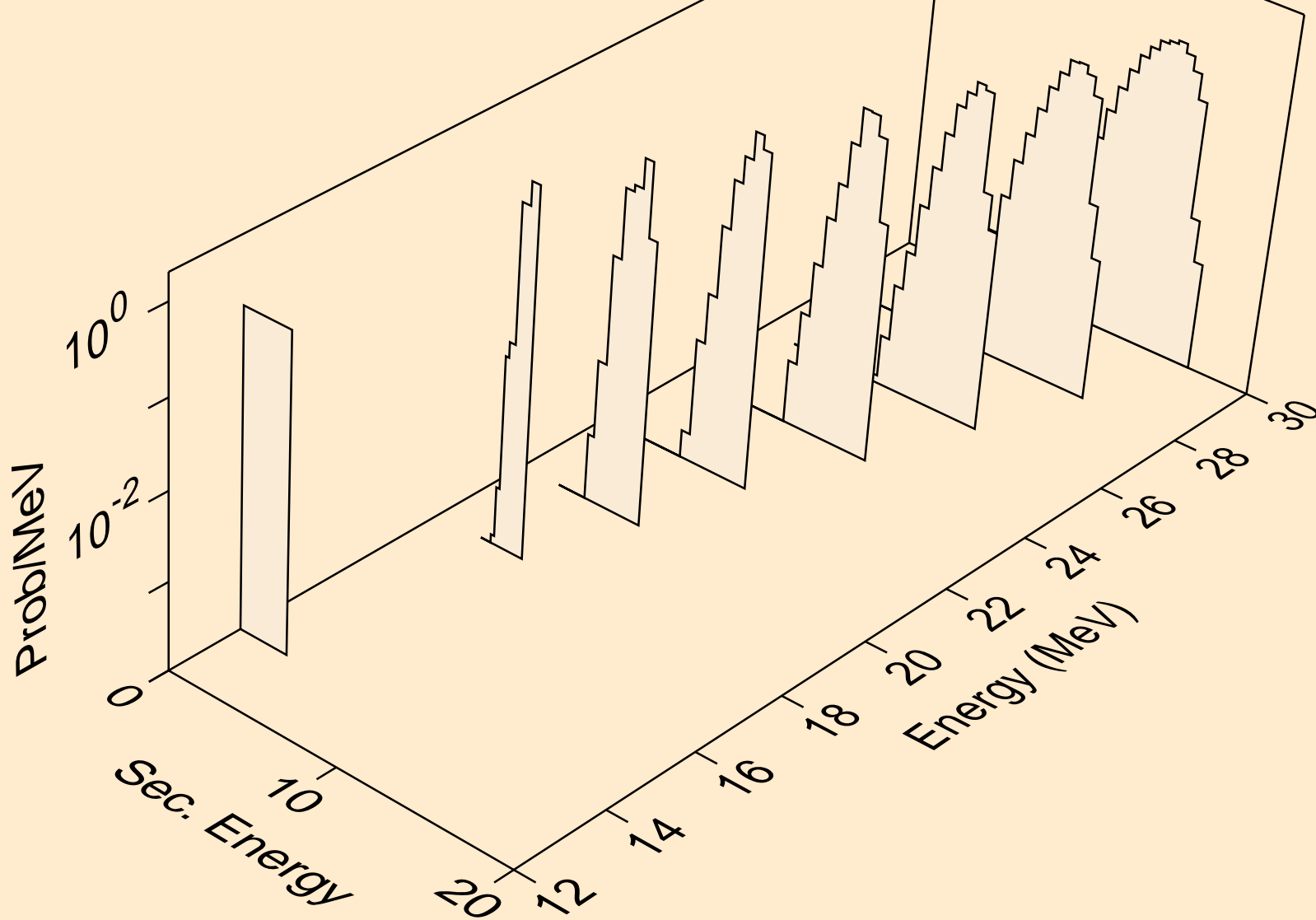
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



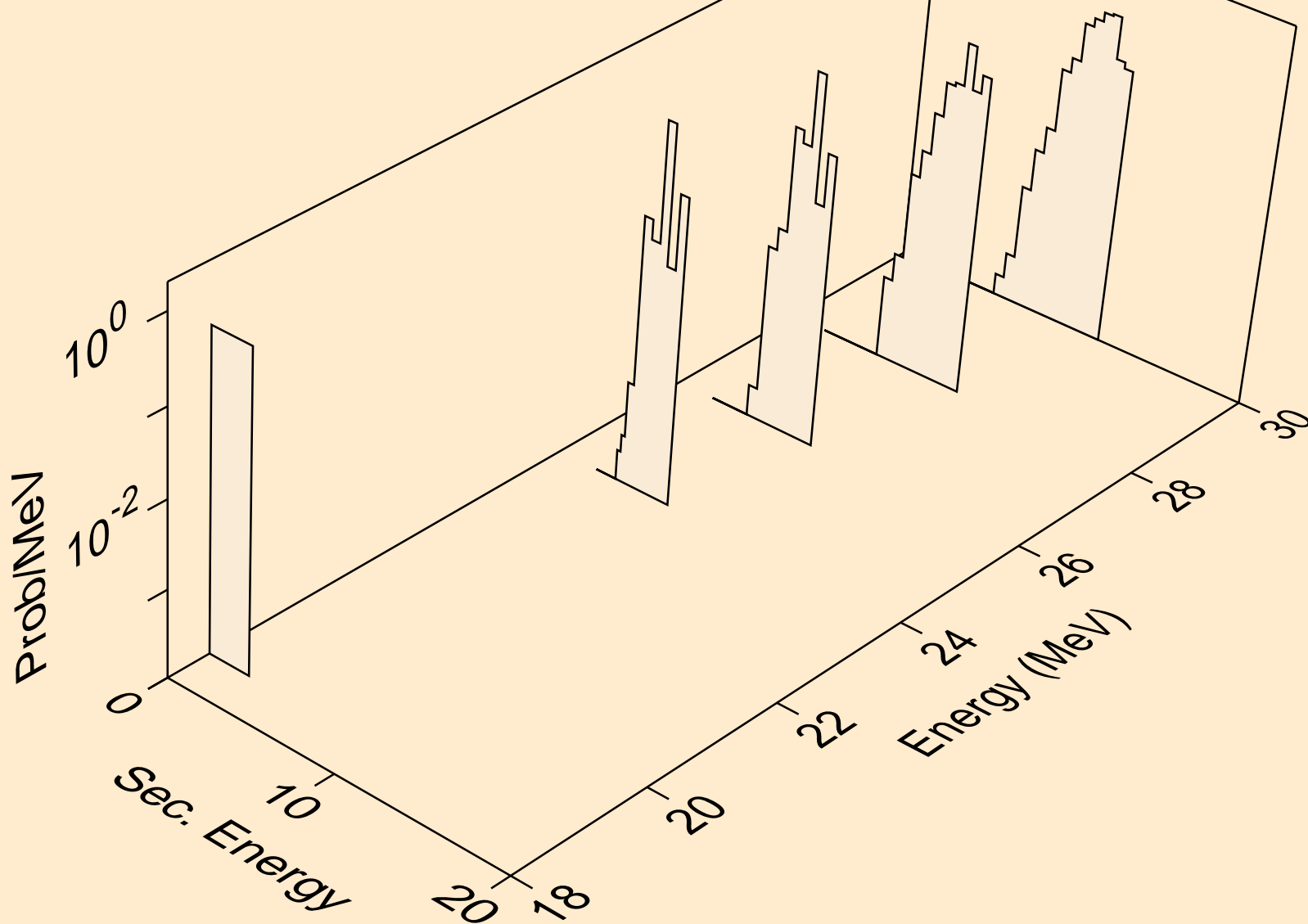
AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



AG119 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

