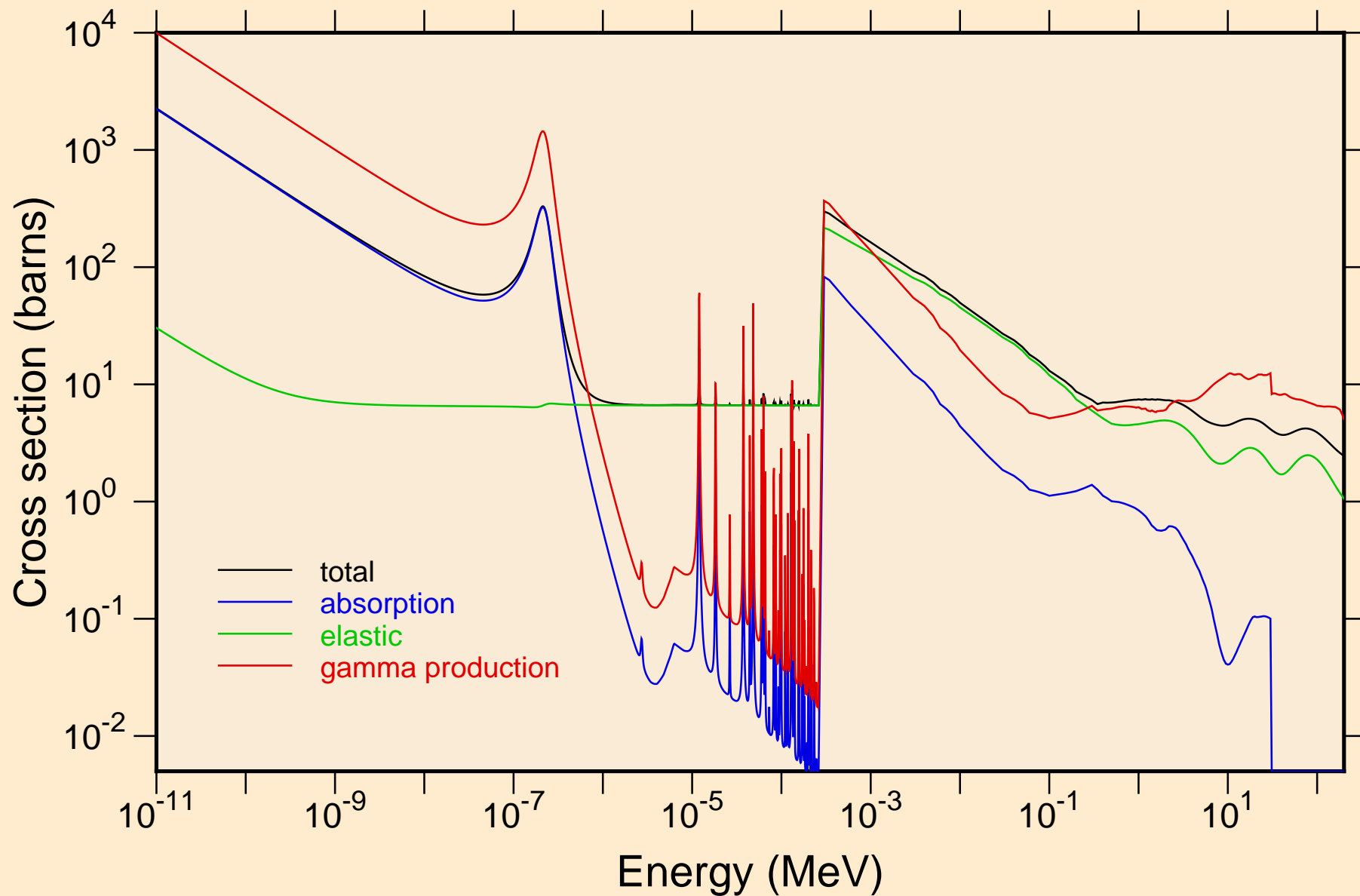
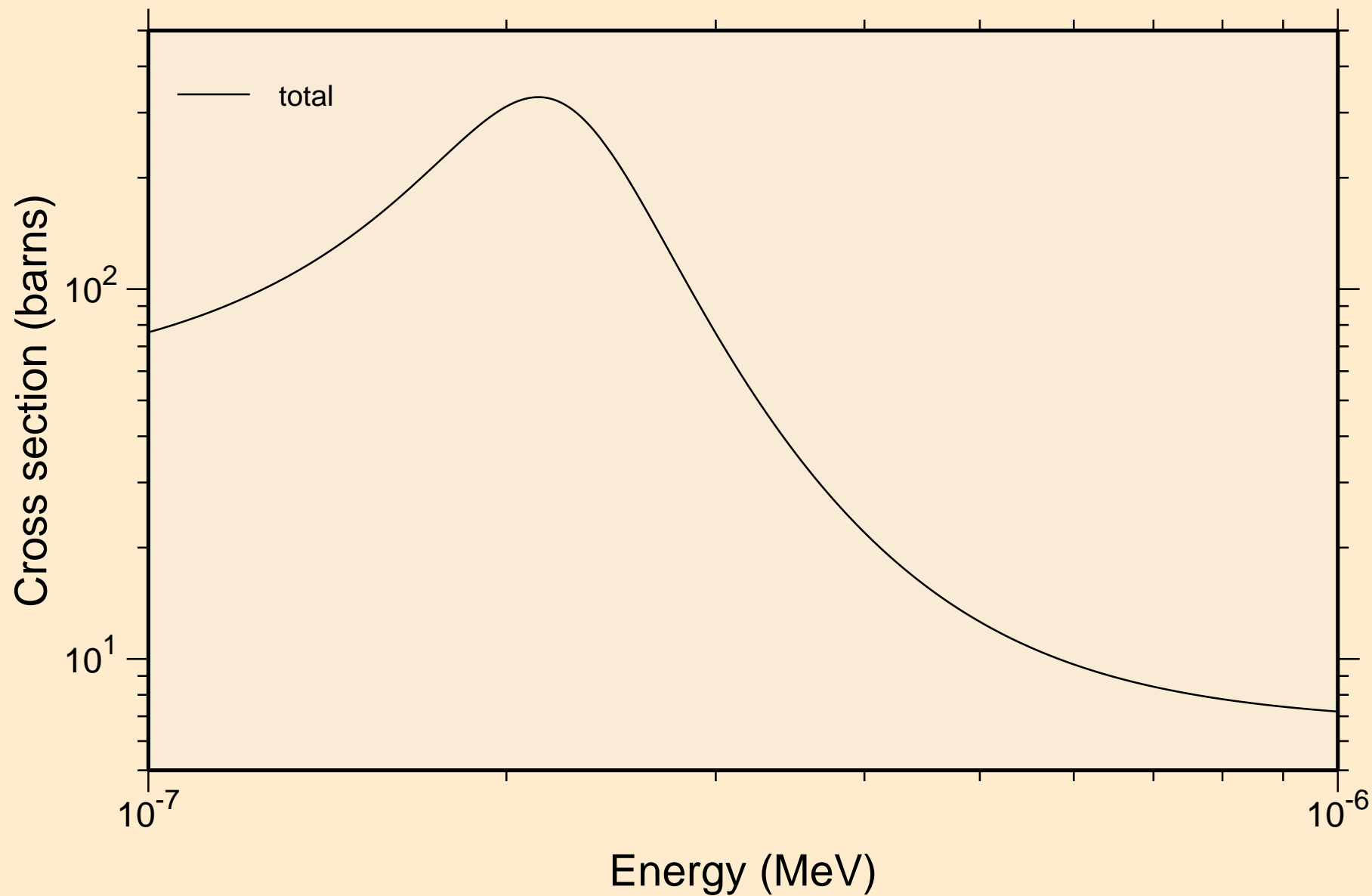


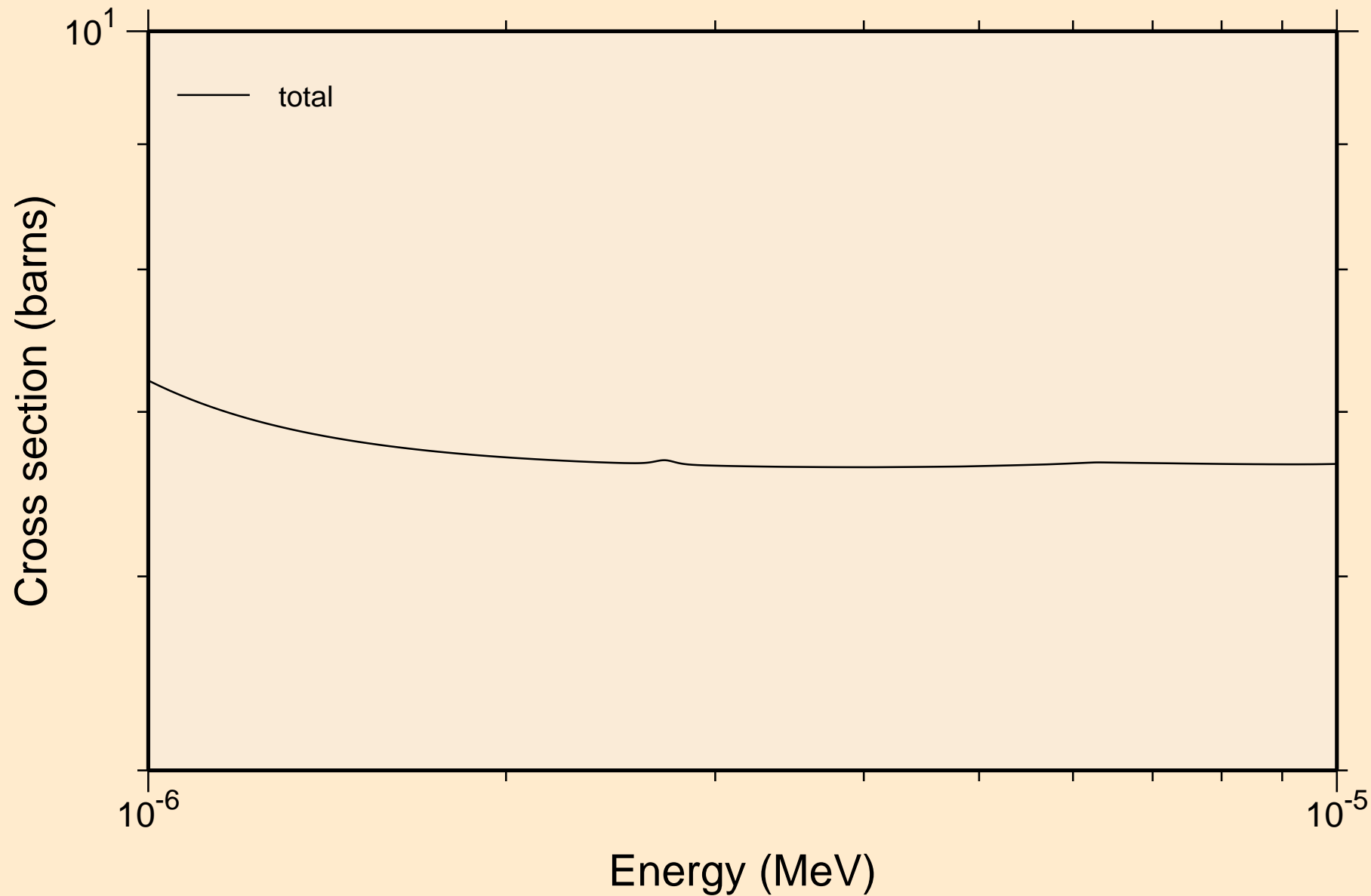
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



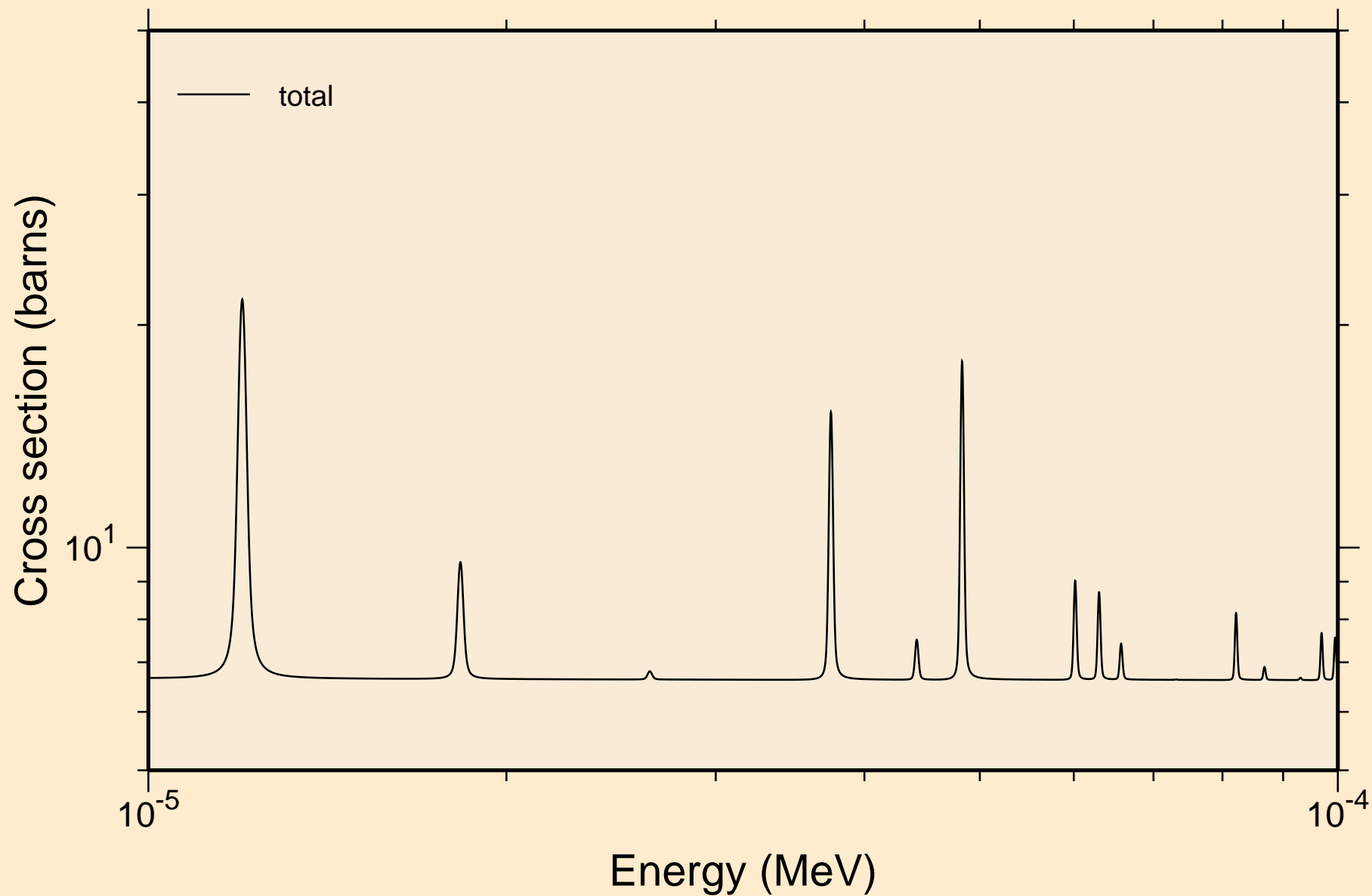
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



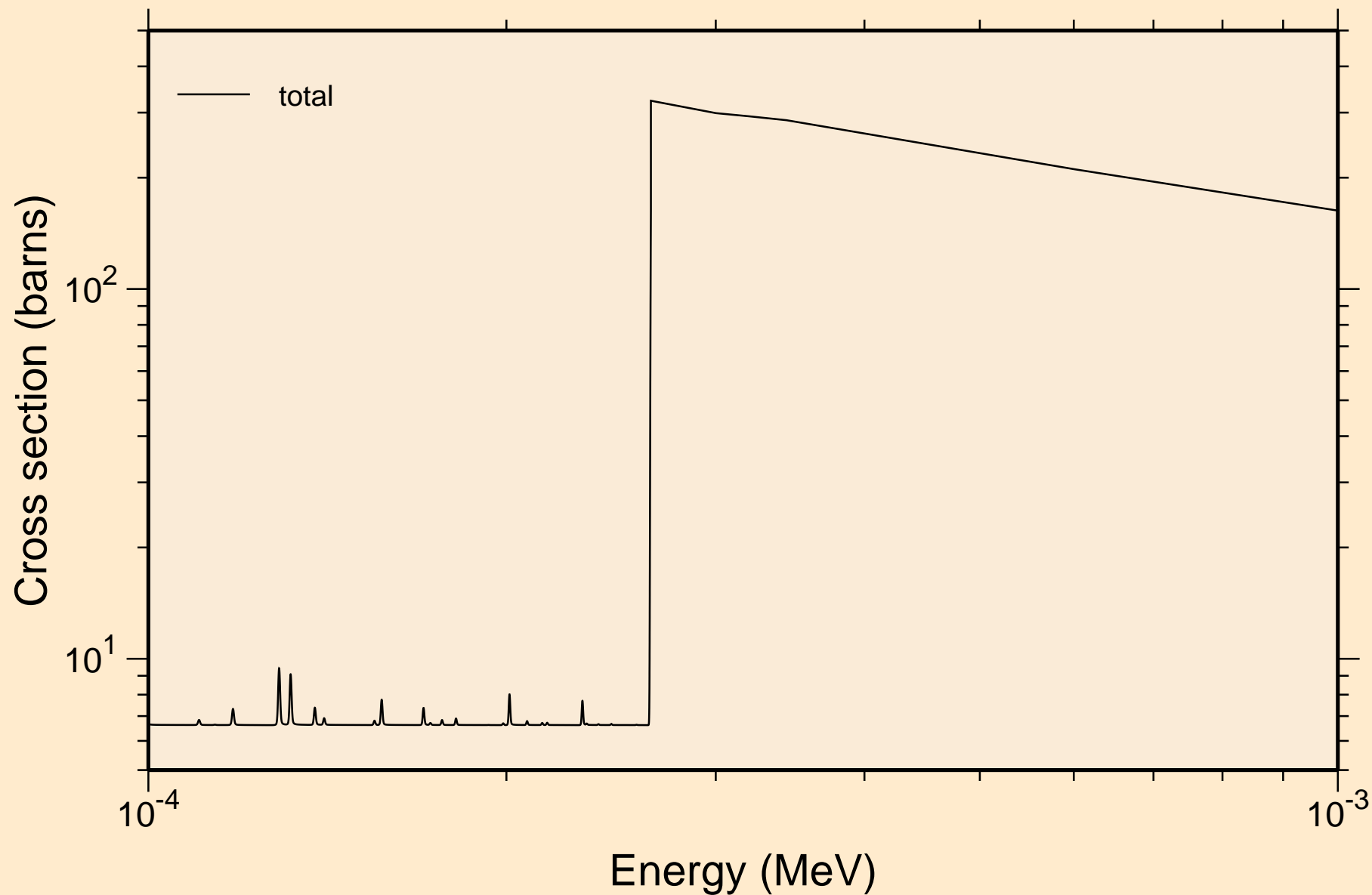
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



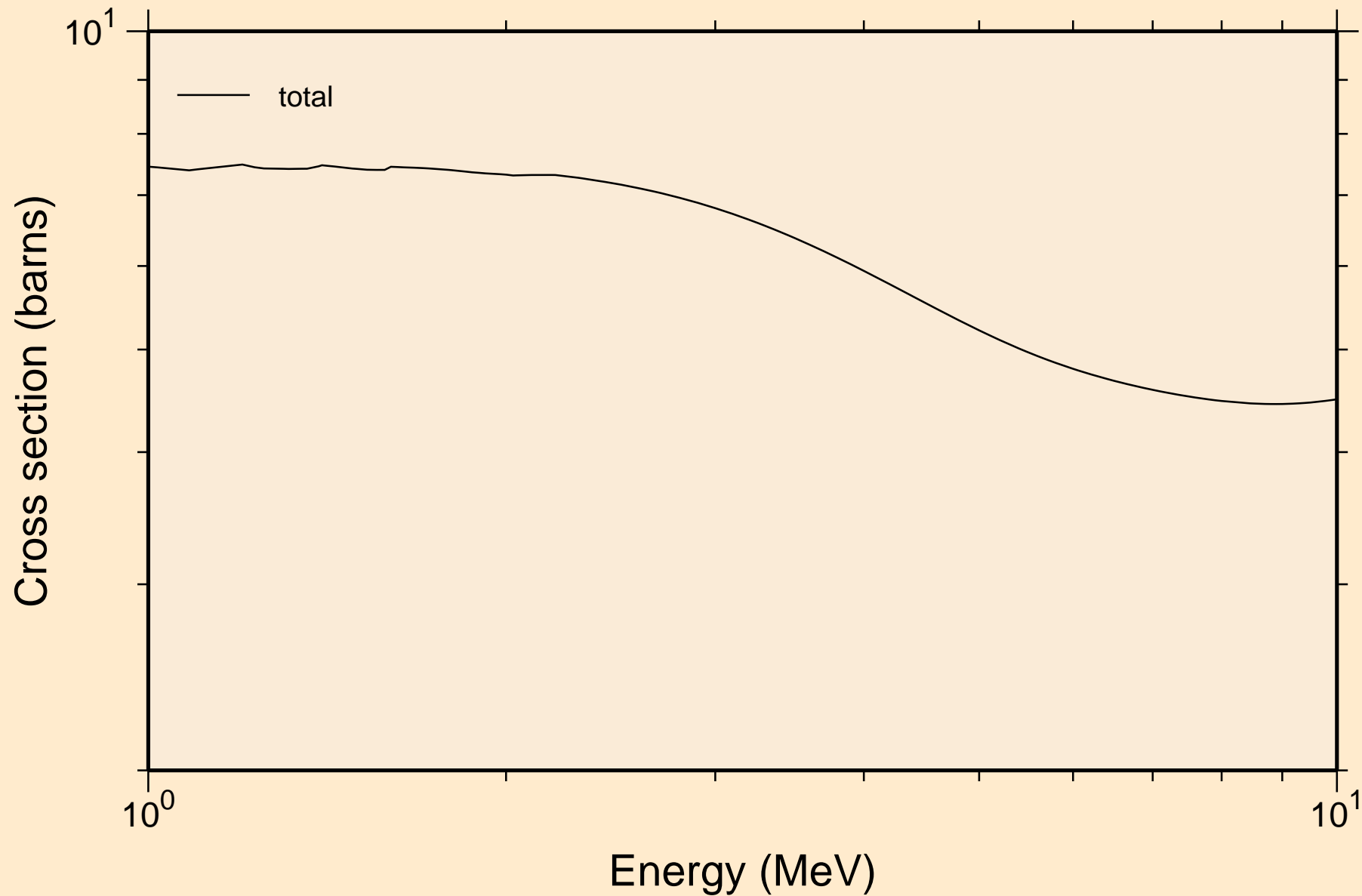
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



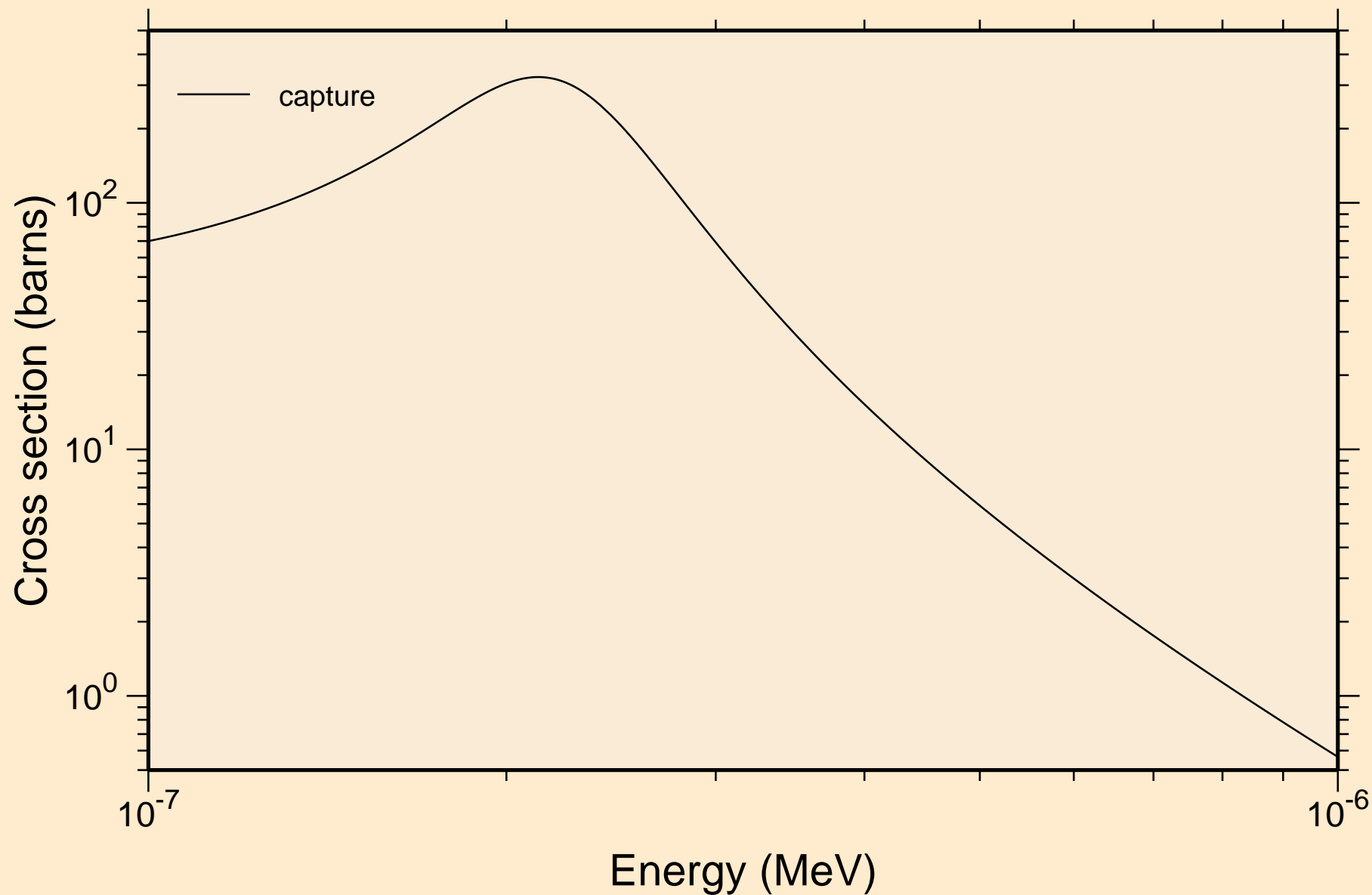
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



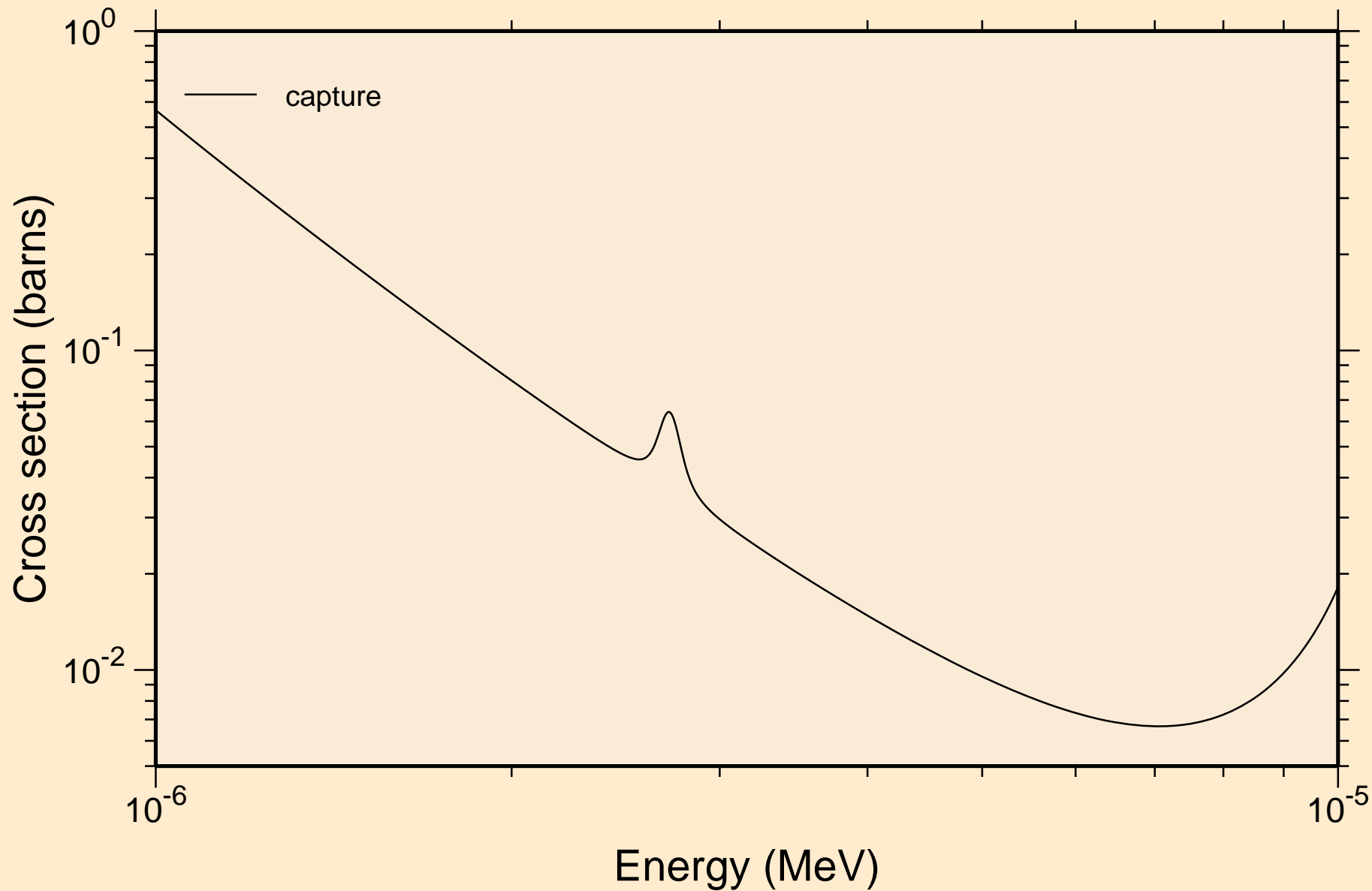
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

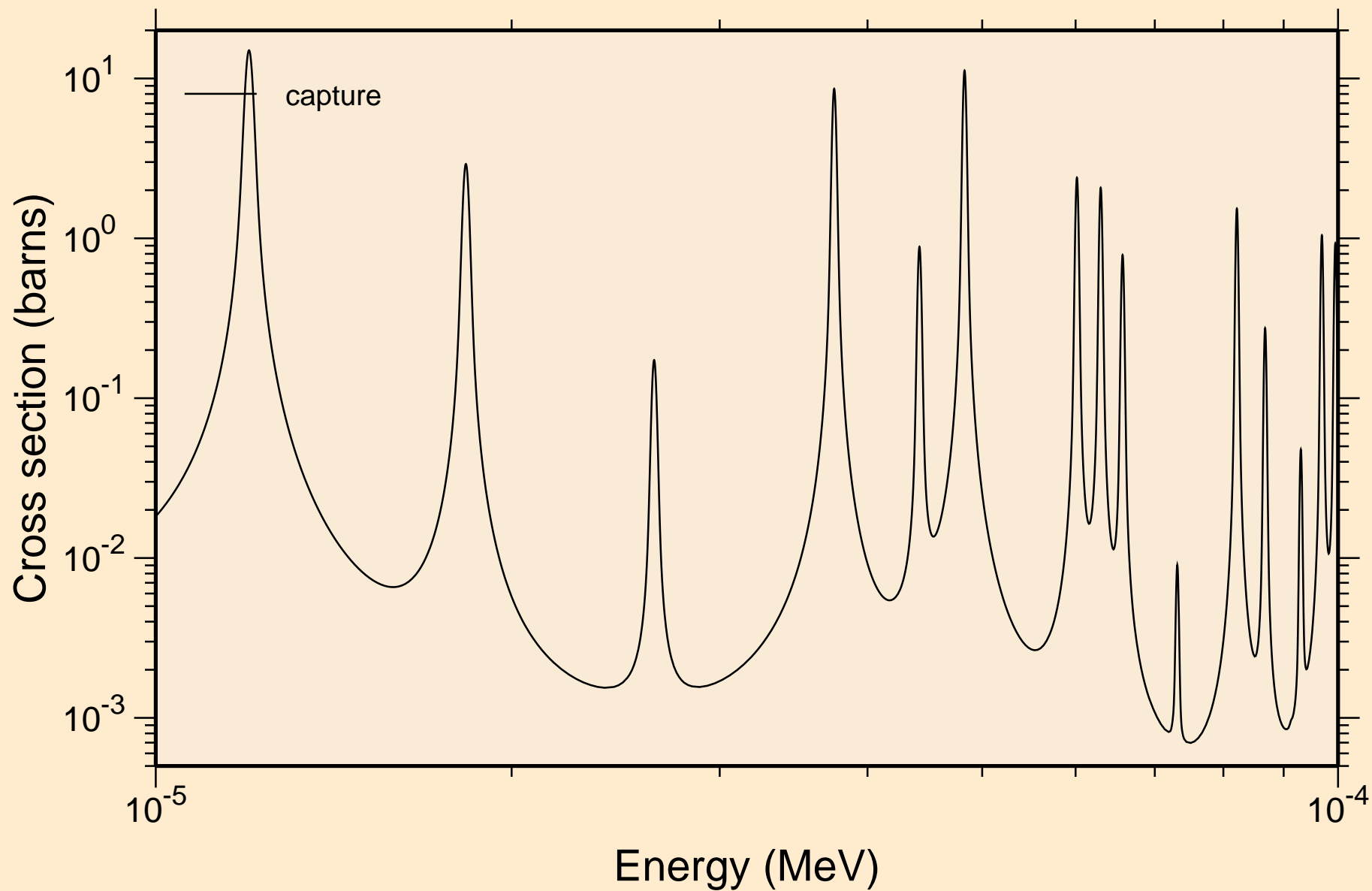


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

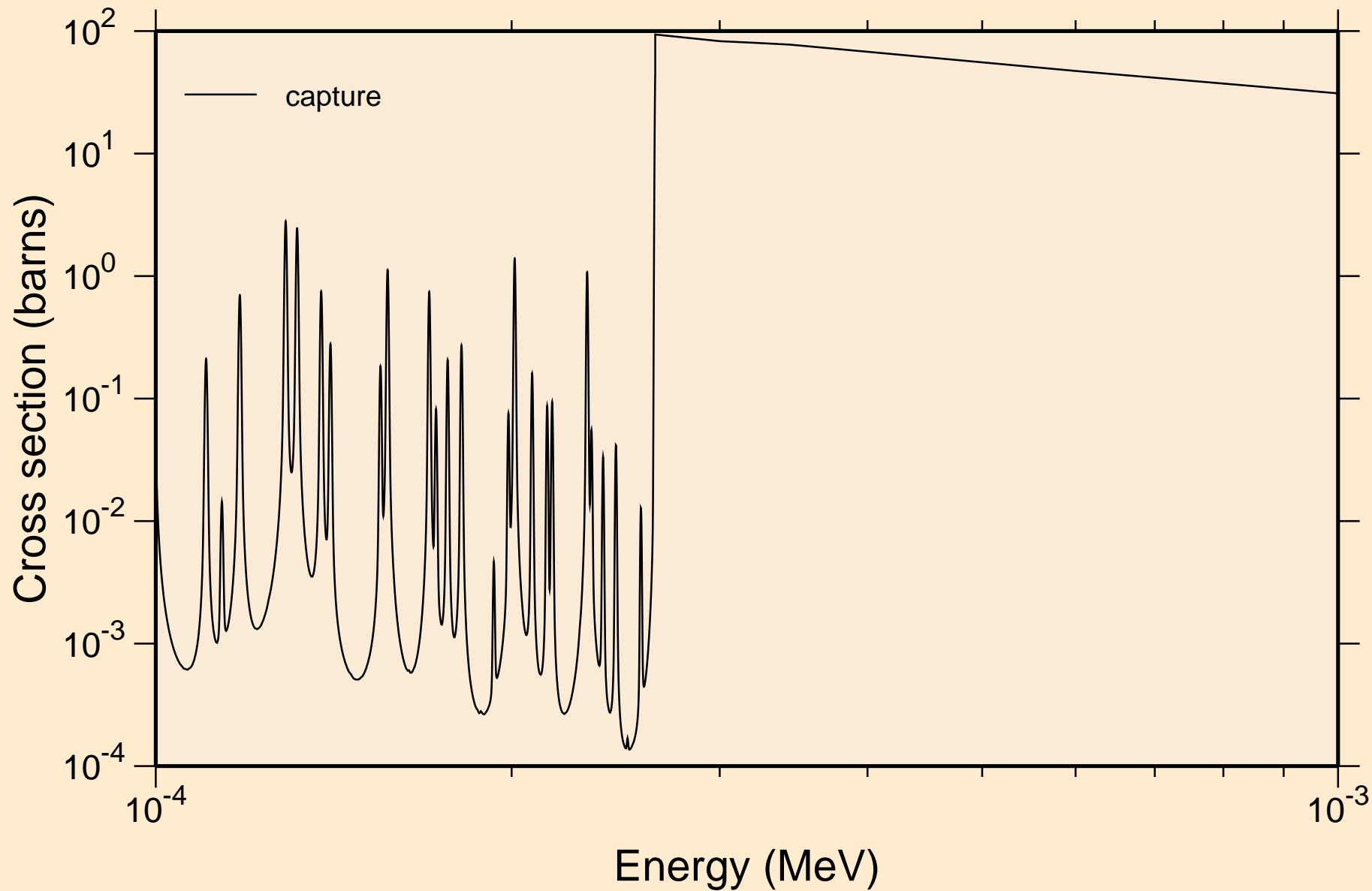




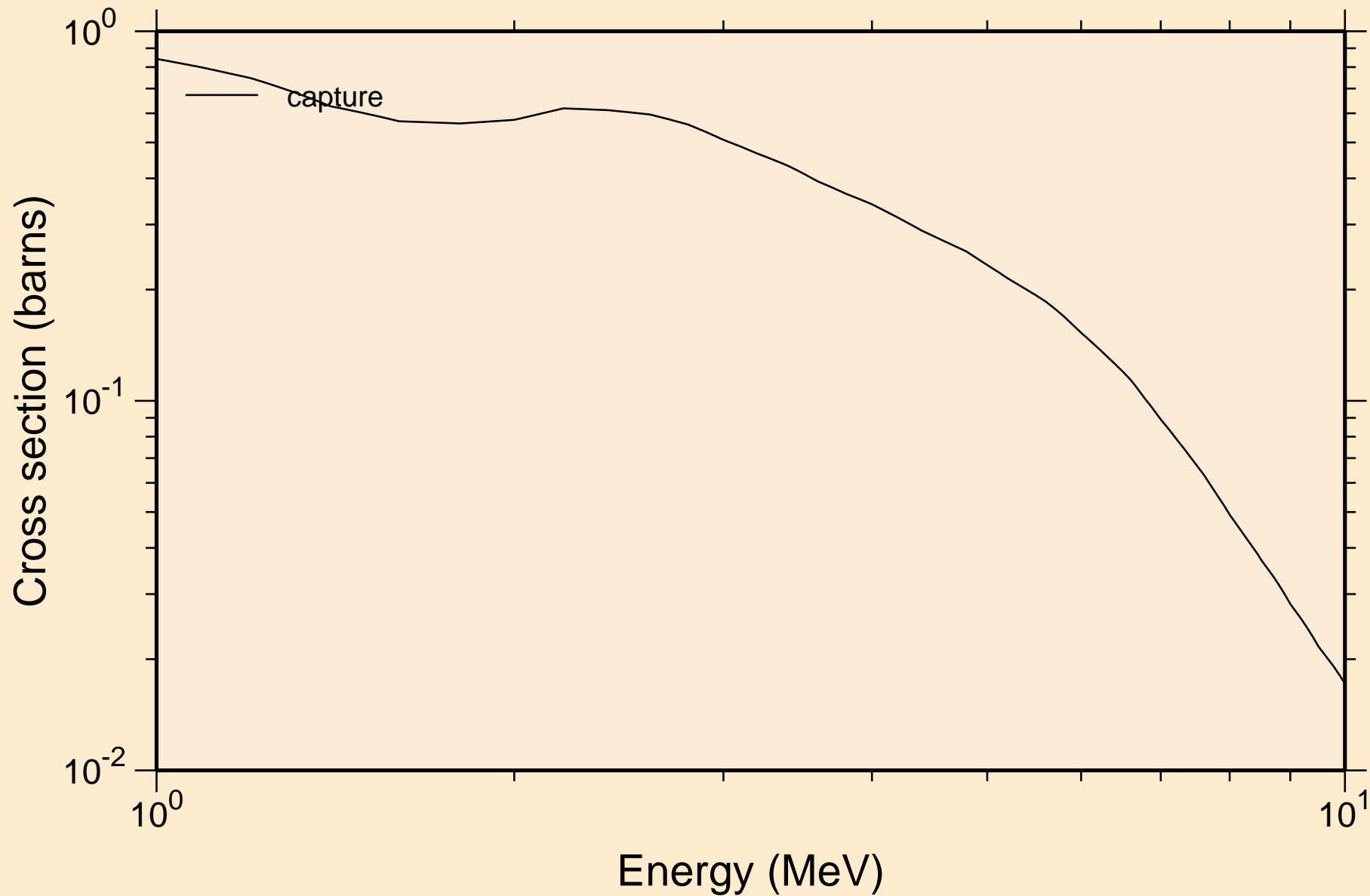
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



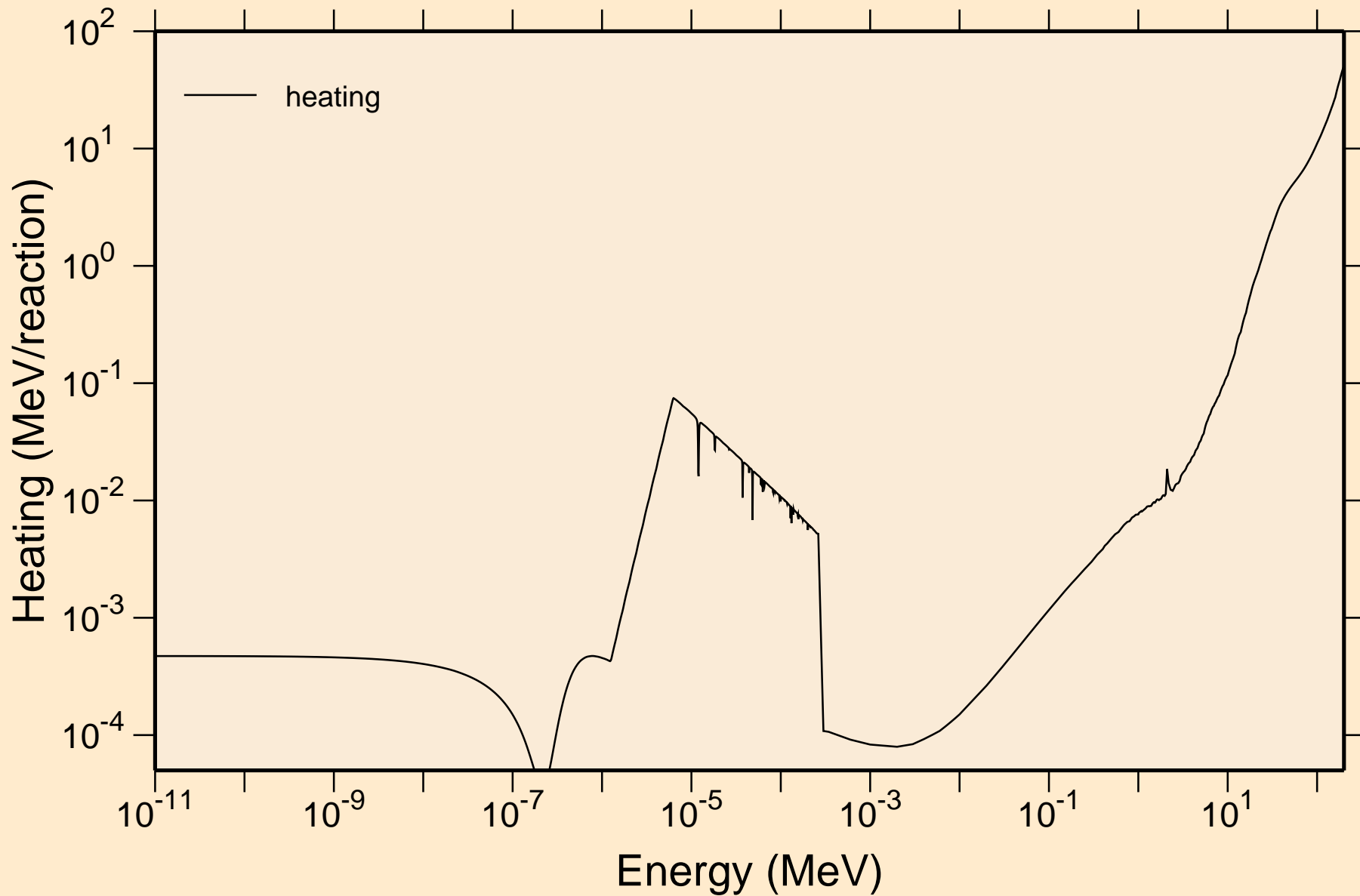
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

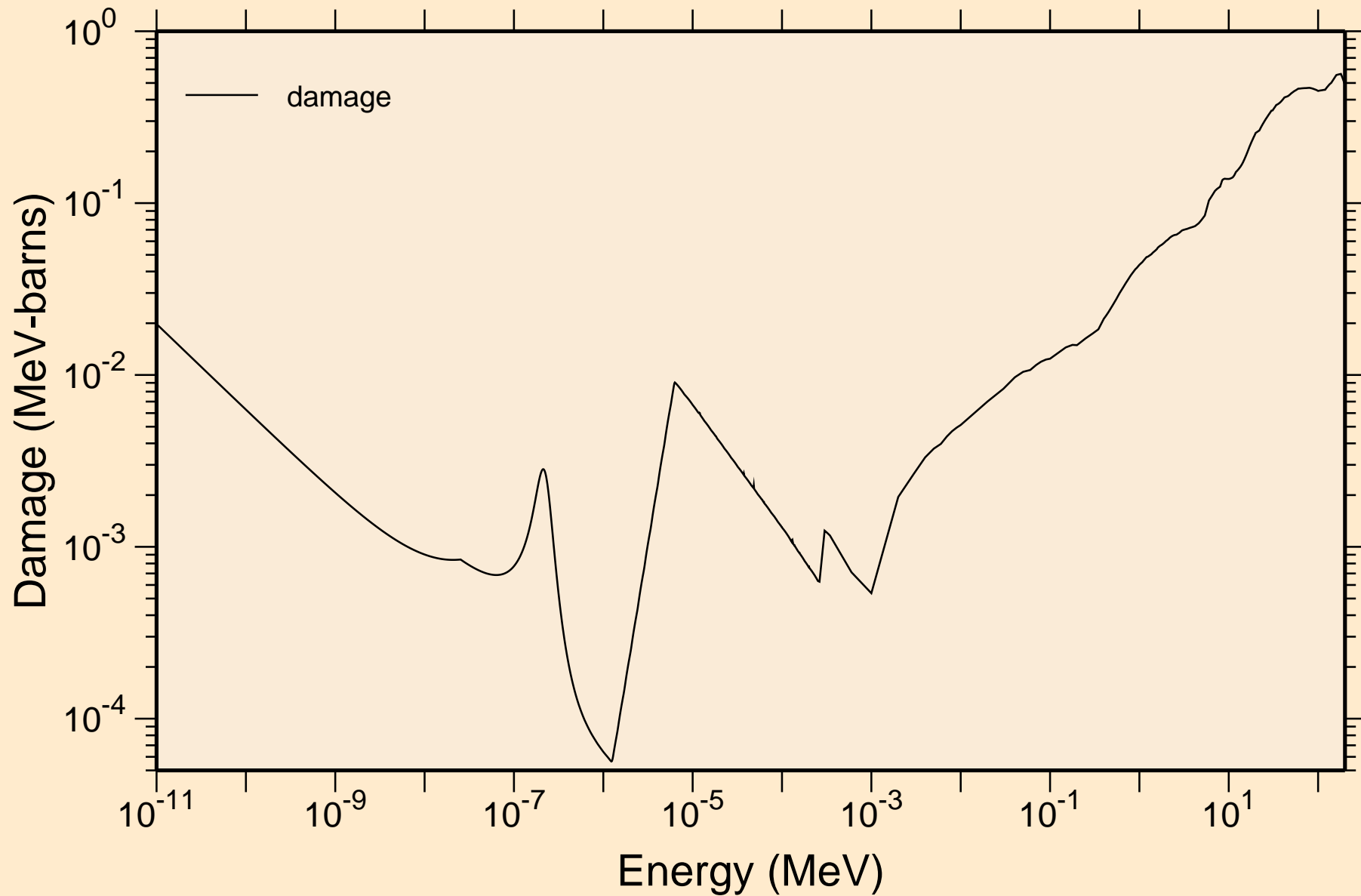


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

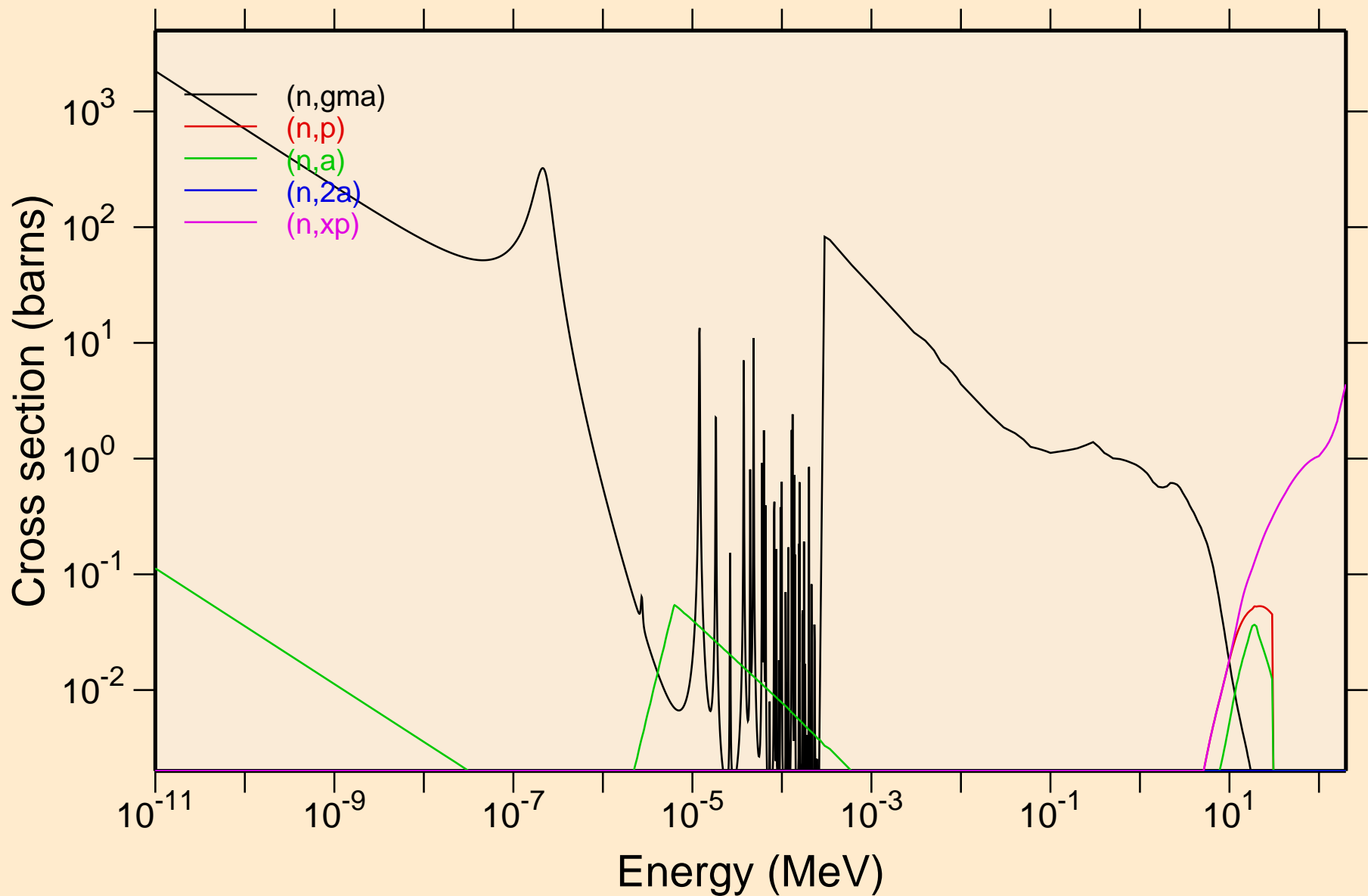


# ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

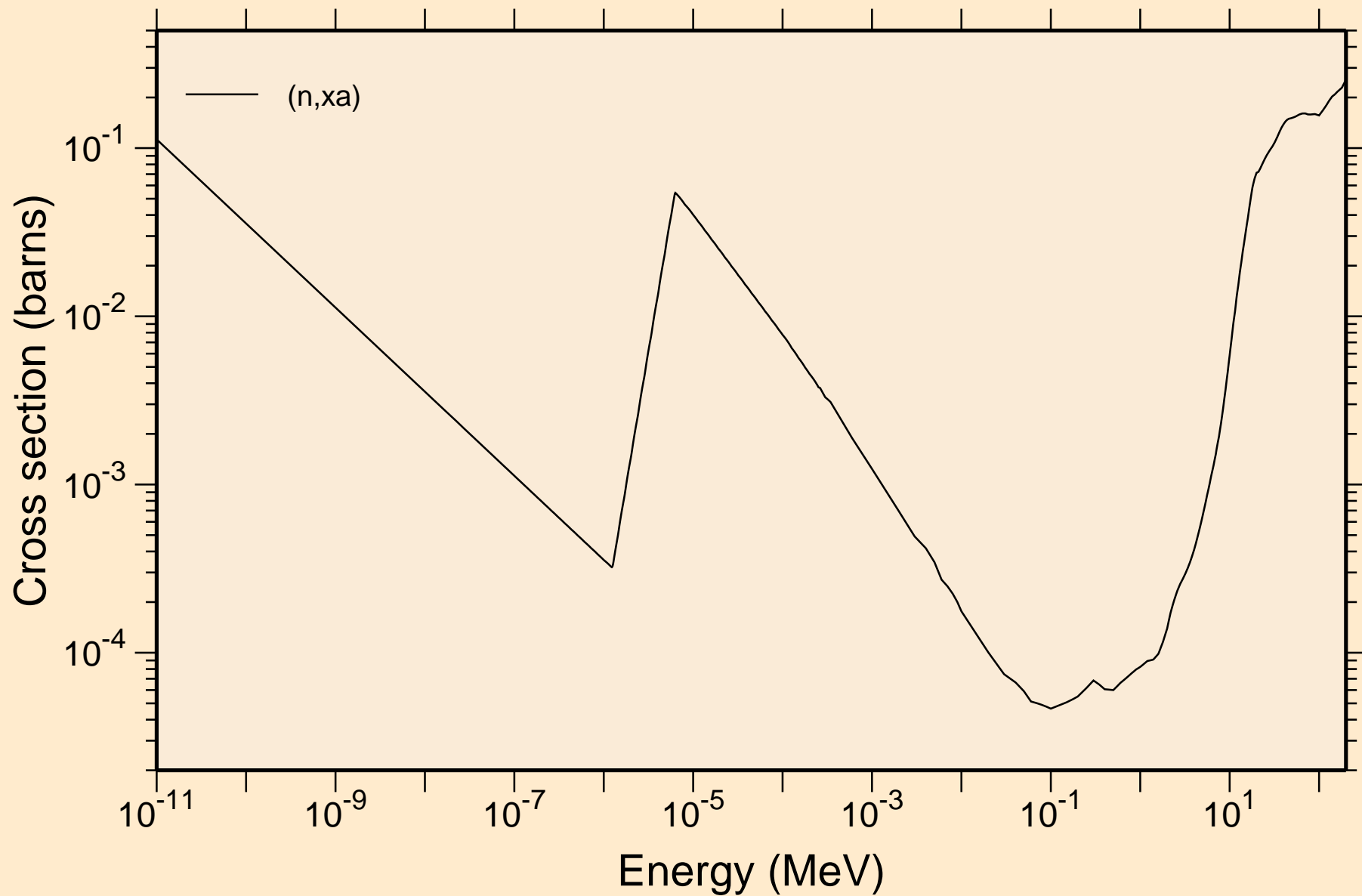
## Damage



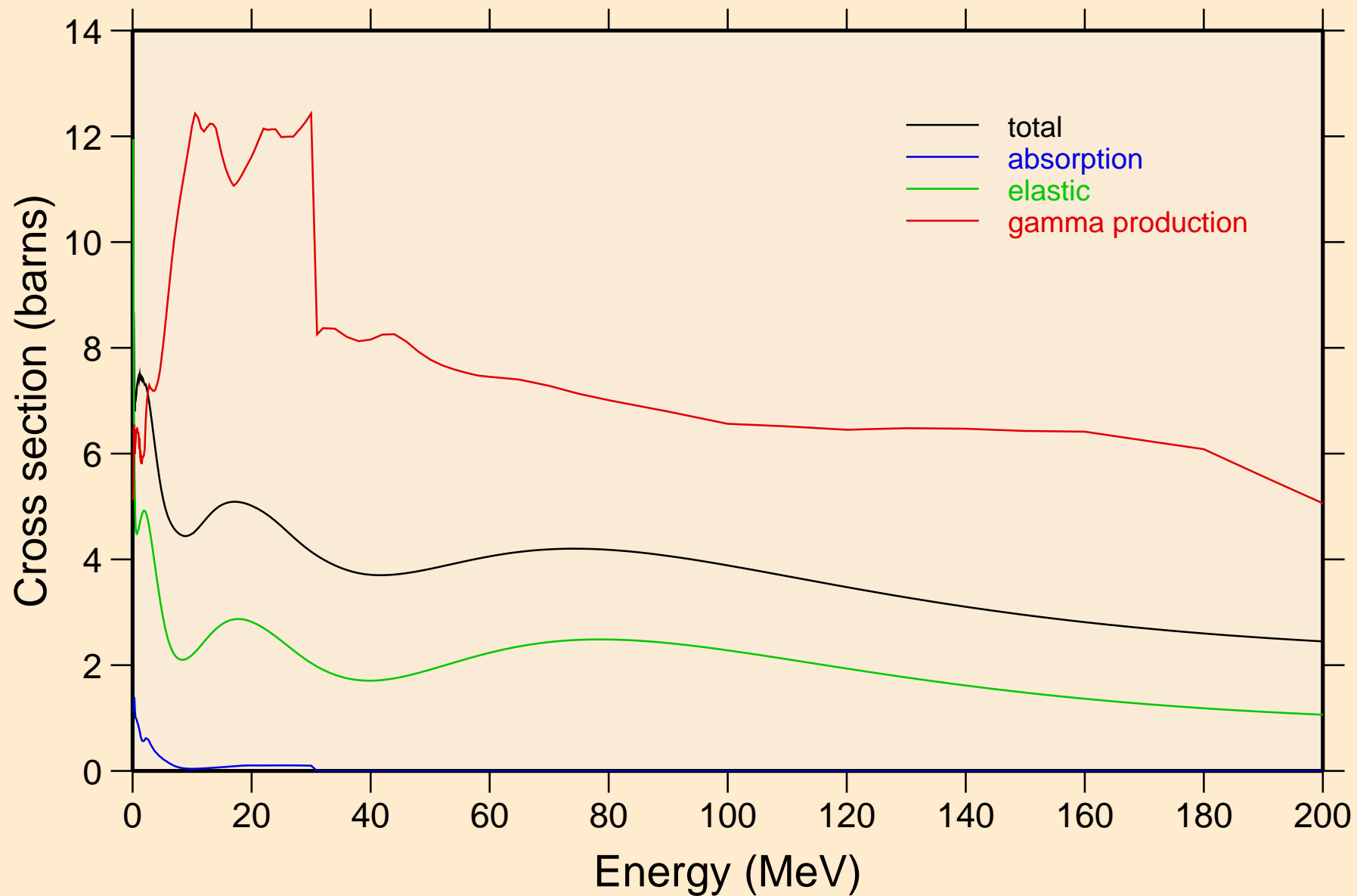
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

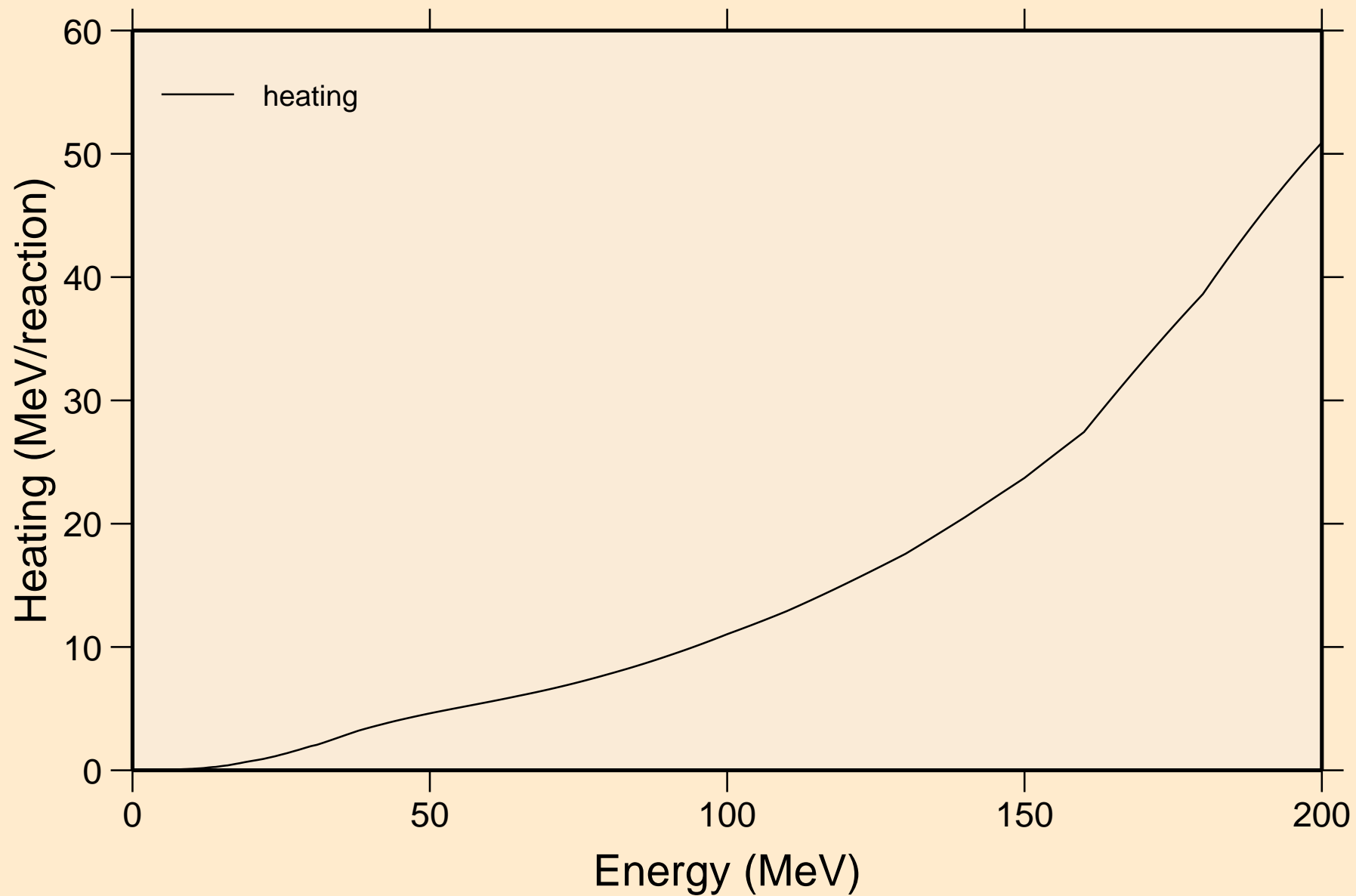


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

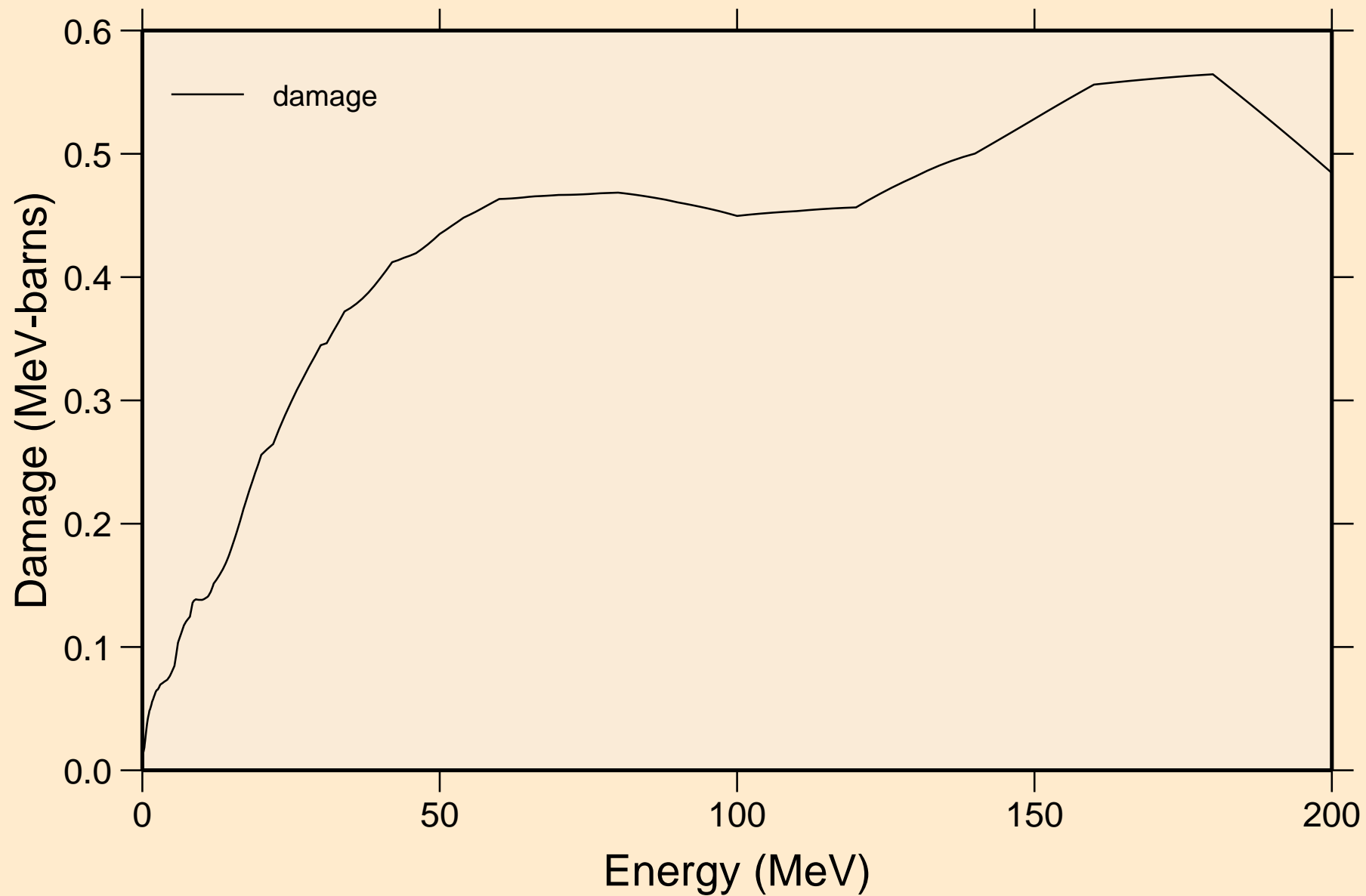




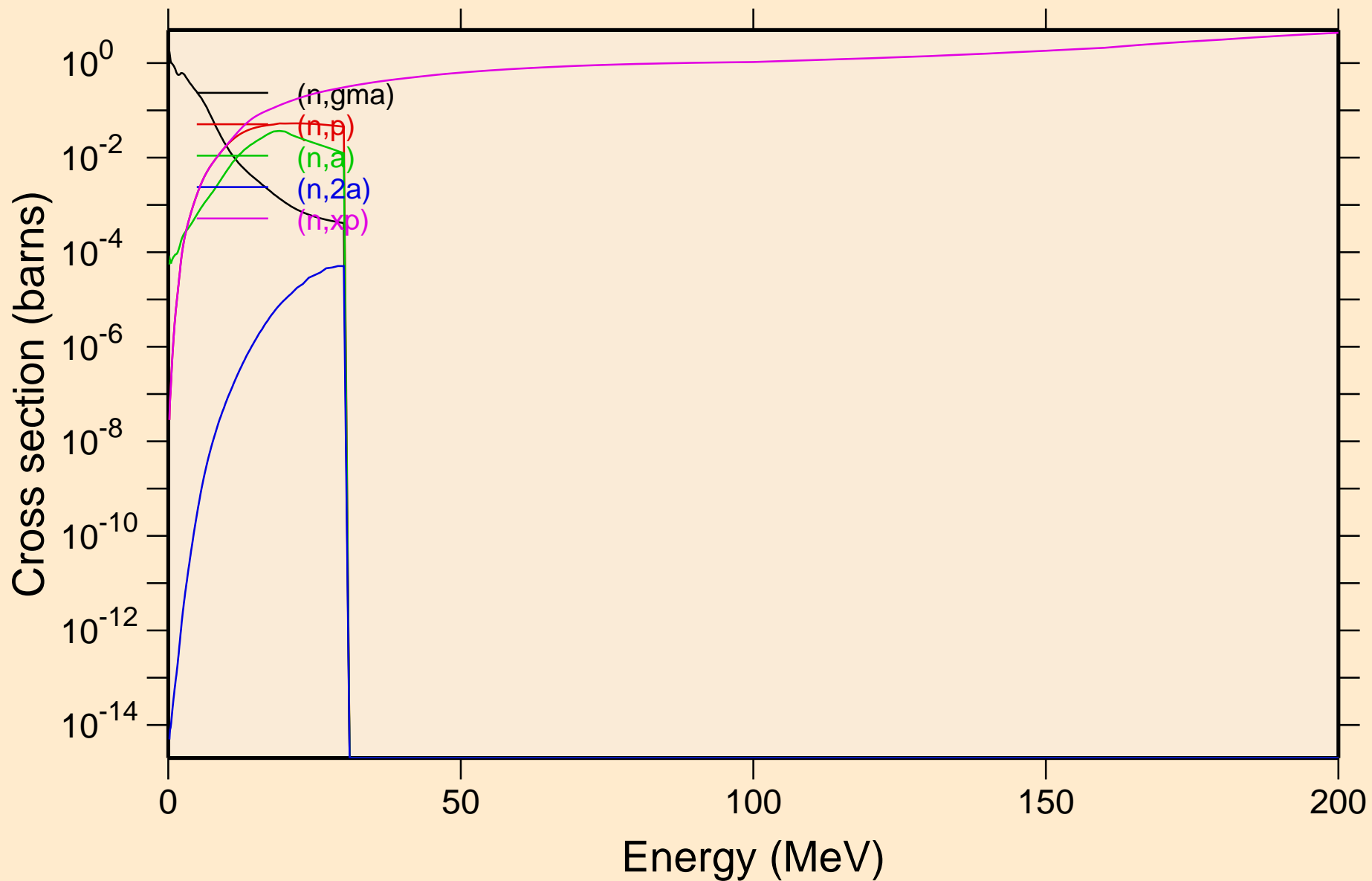
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



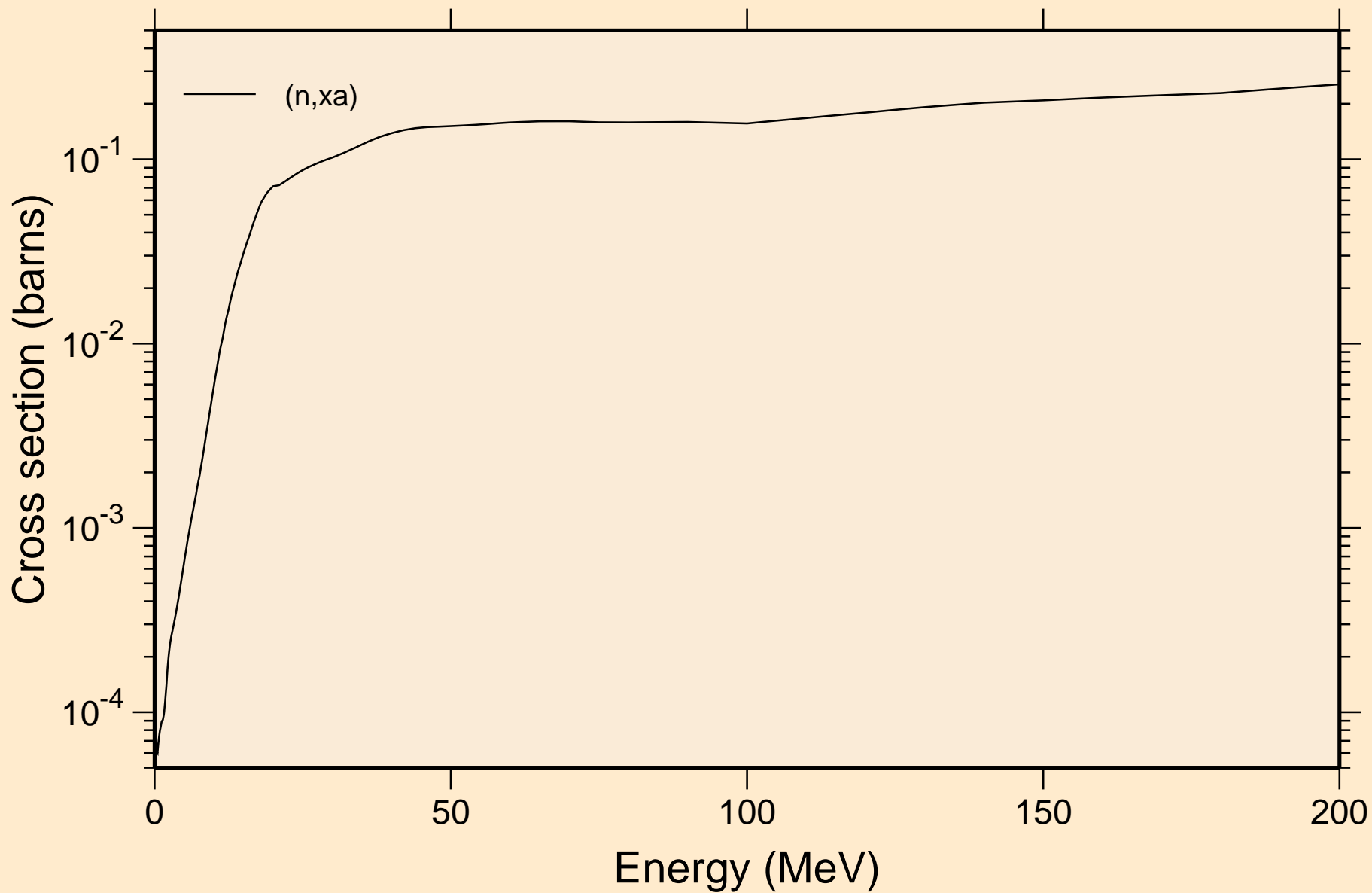
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



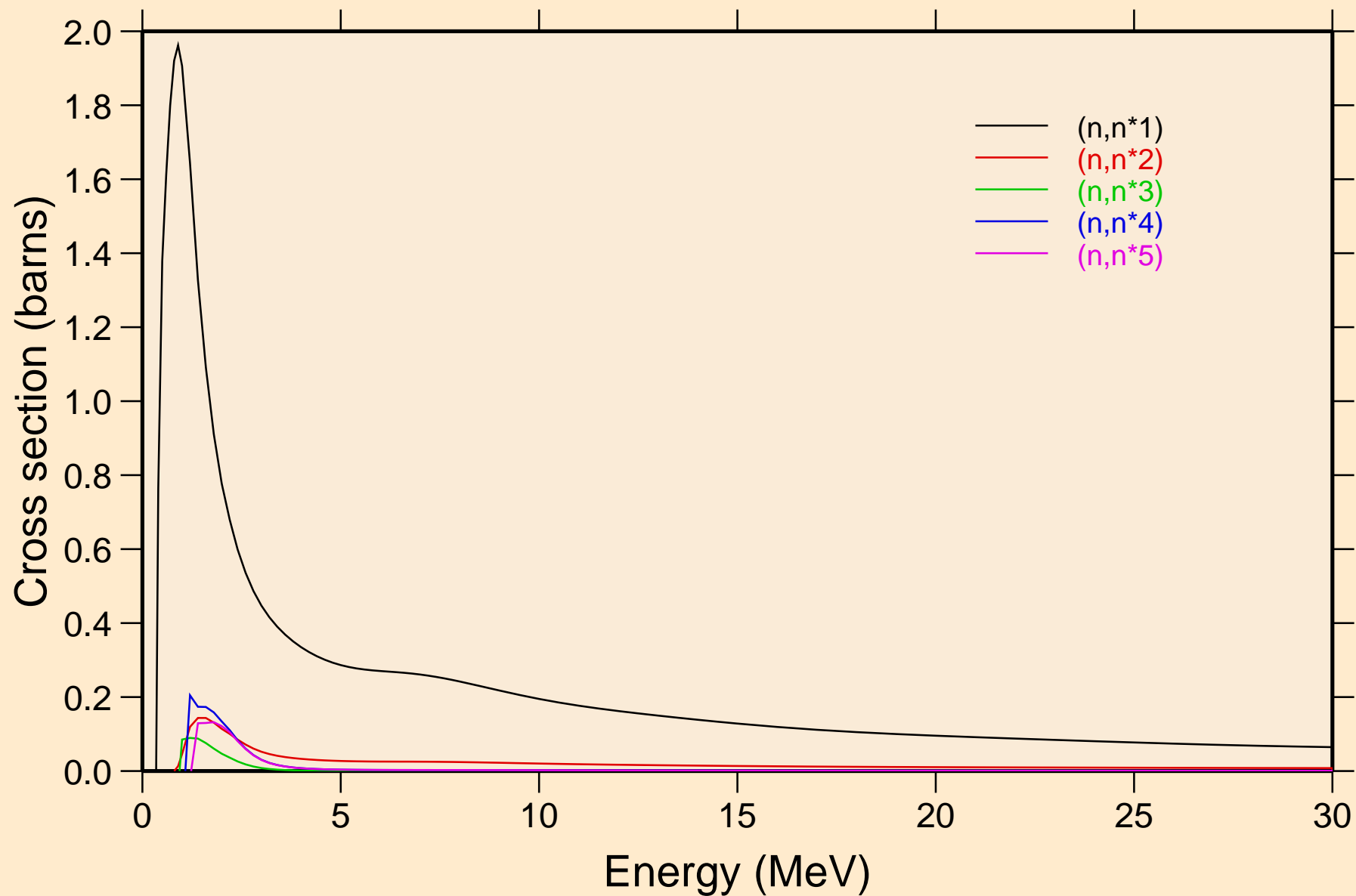
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



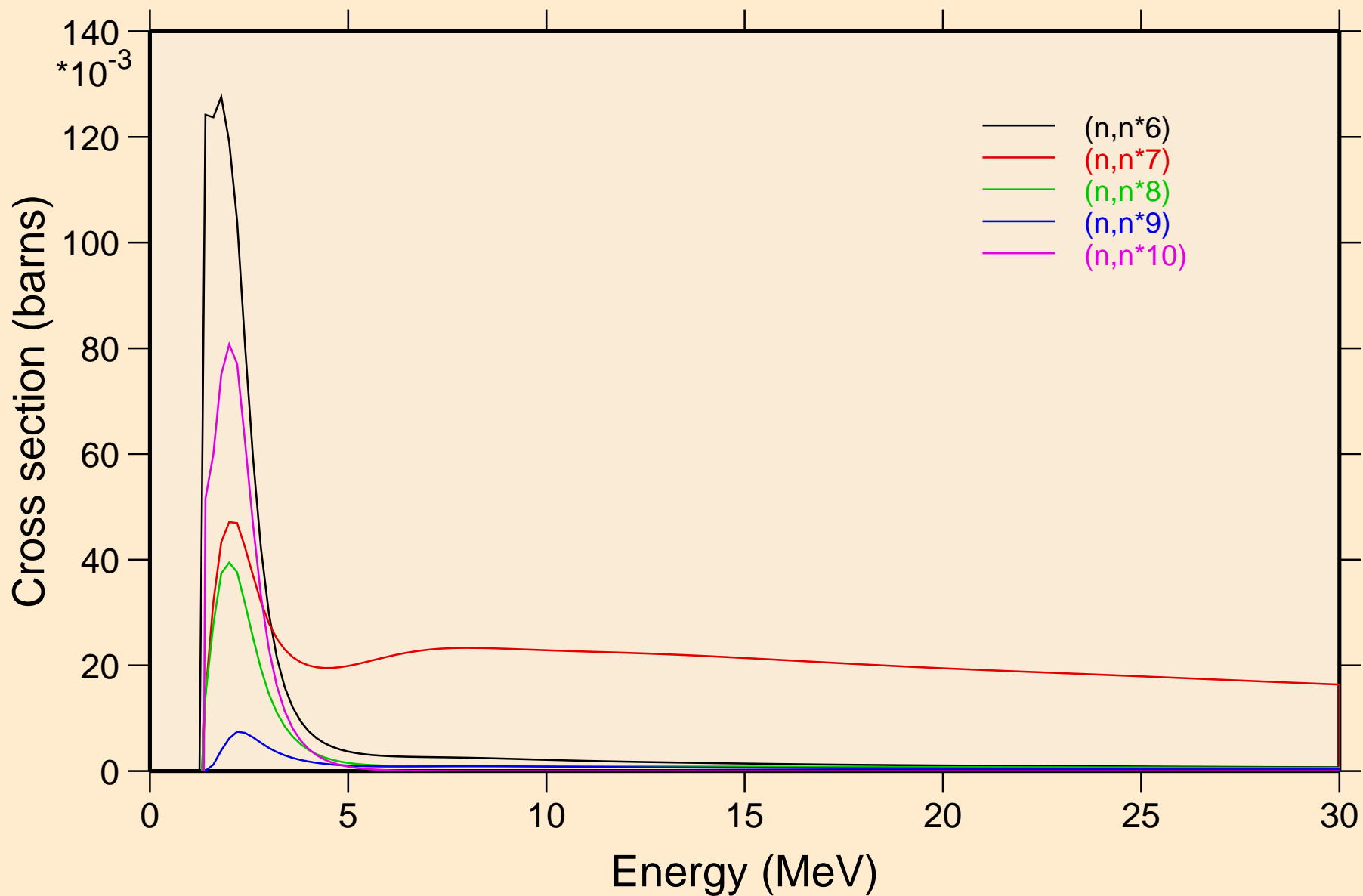
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



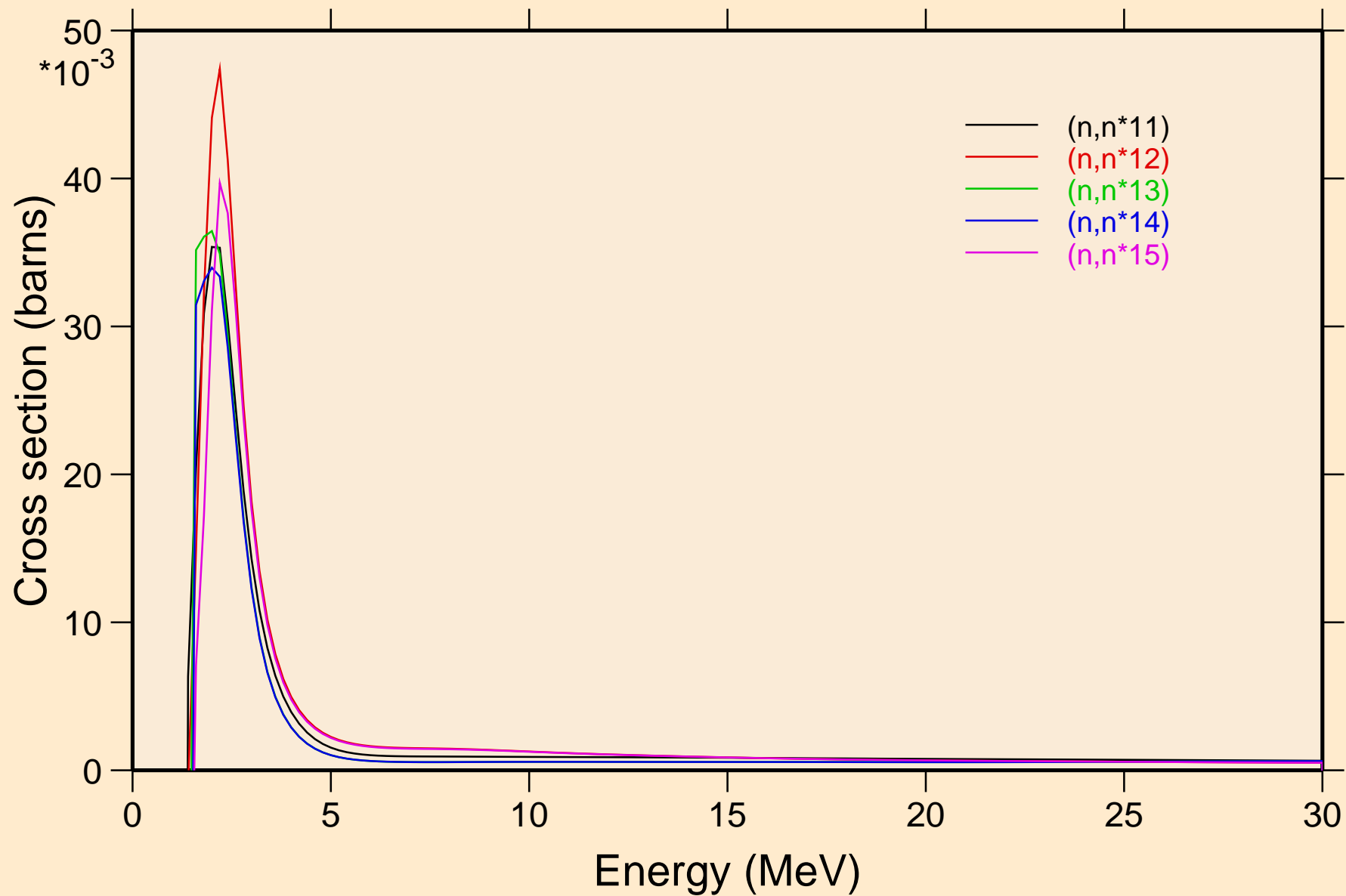
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



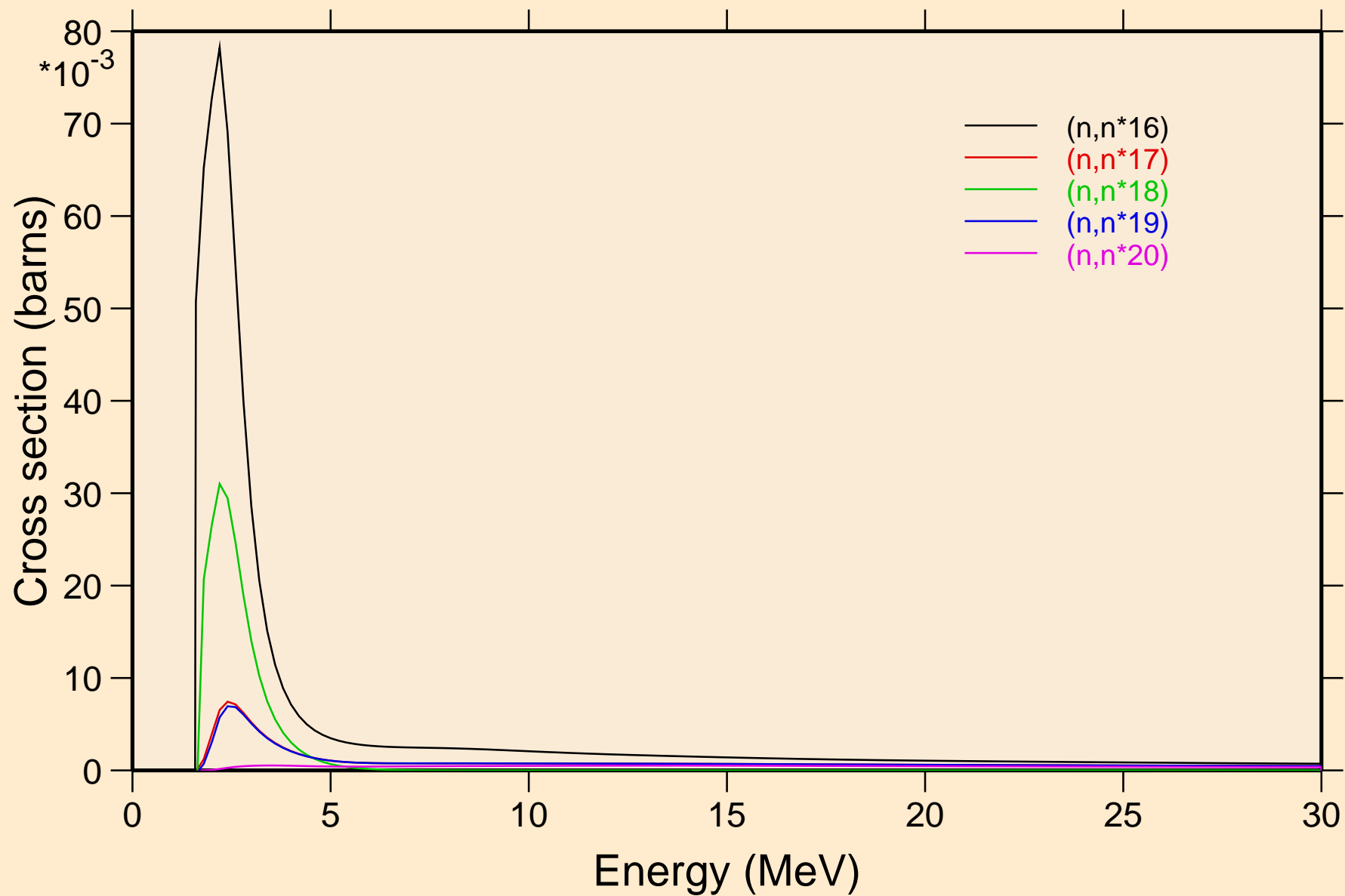
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

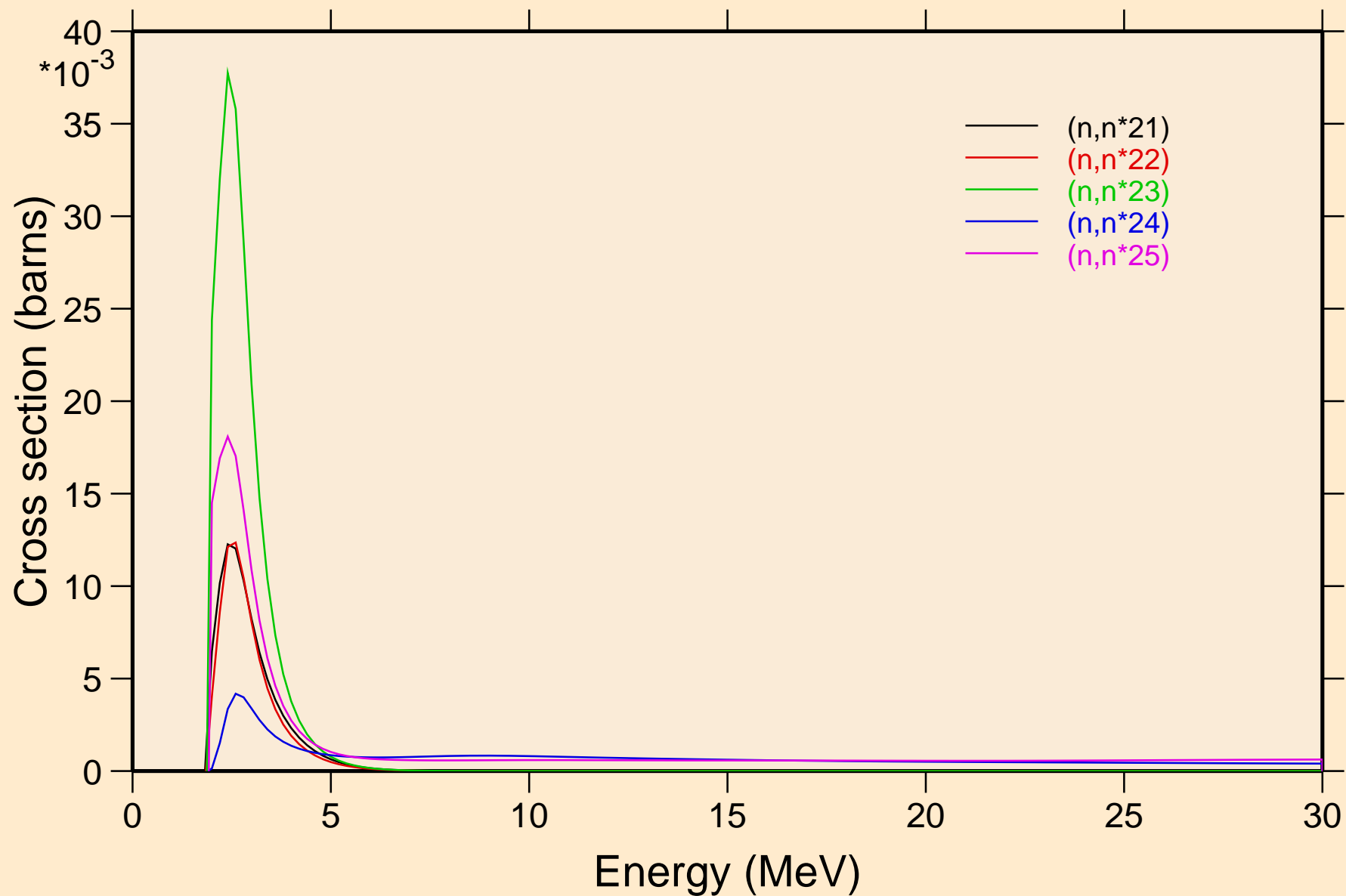


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

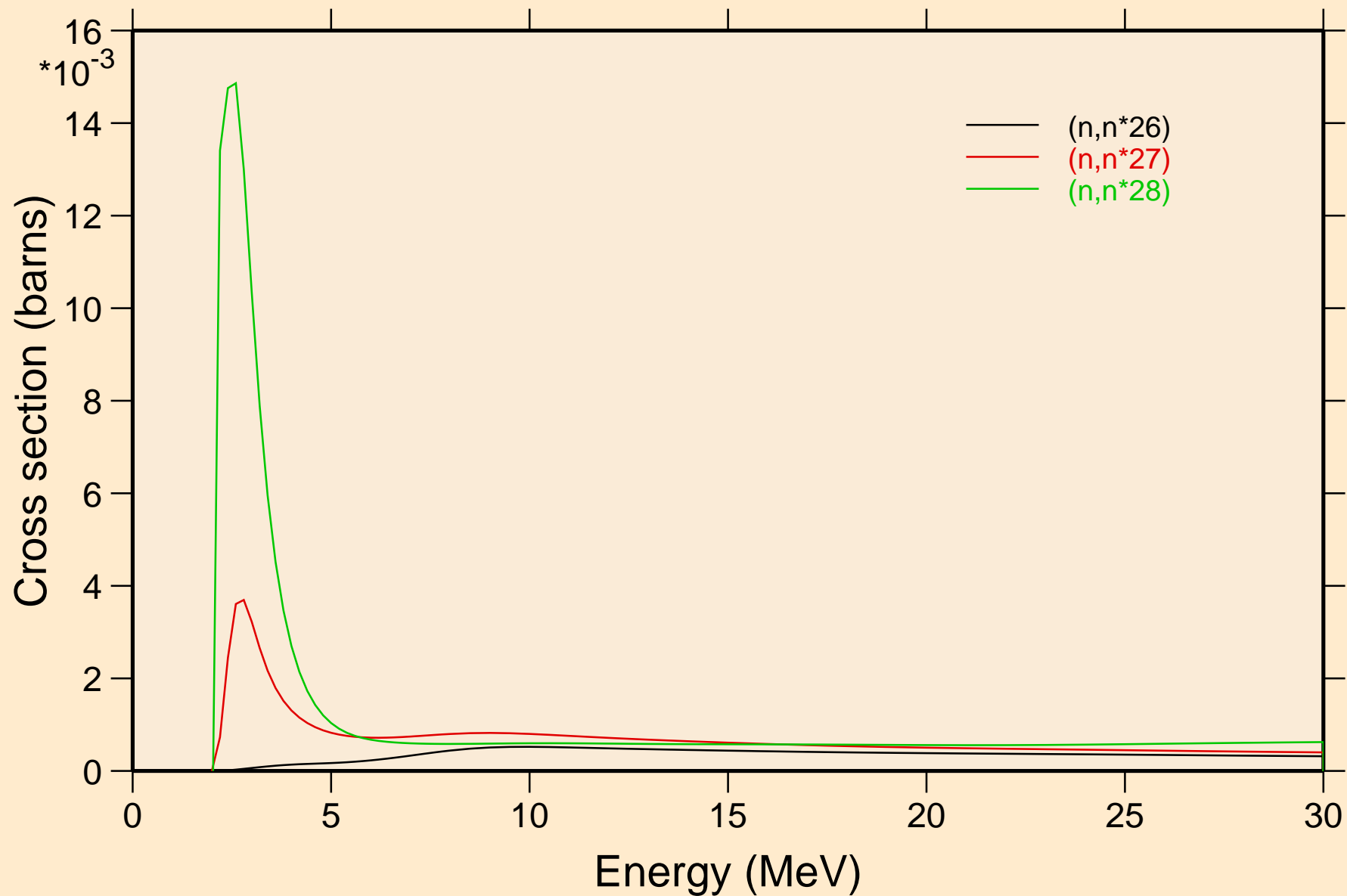




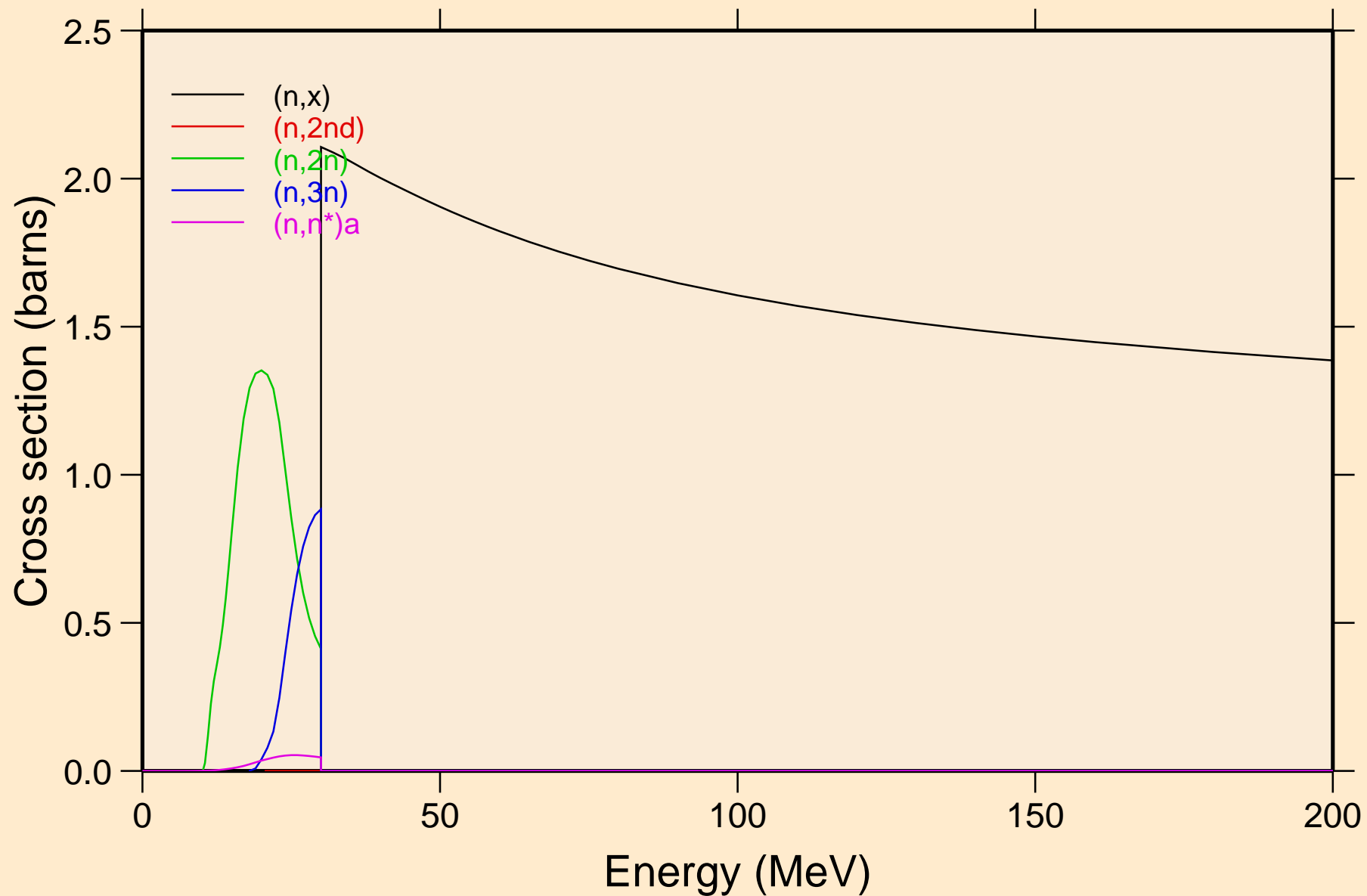
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



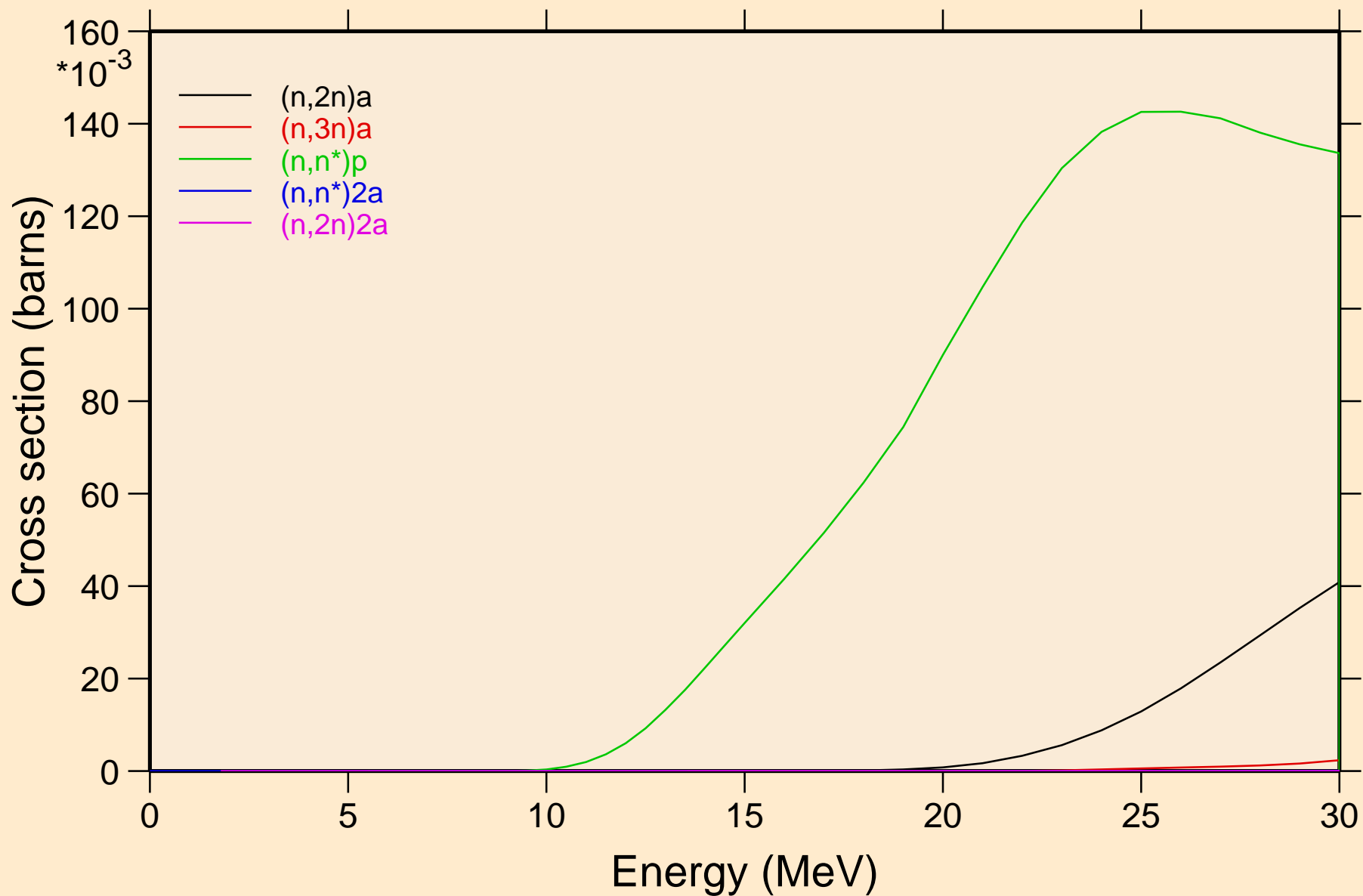
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



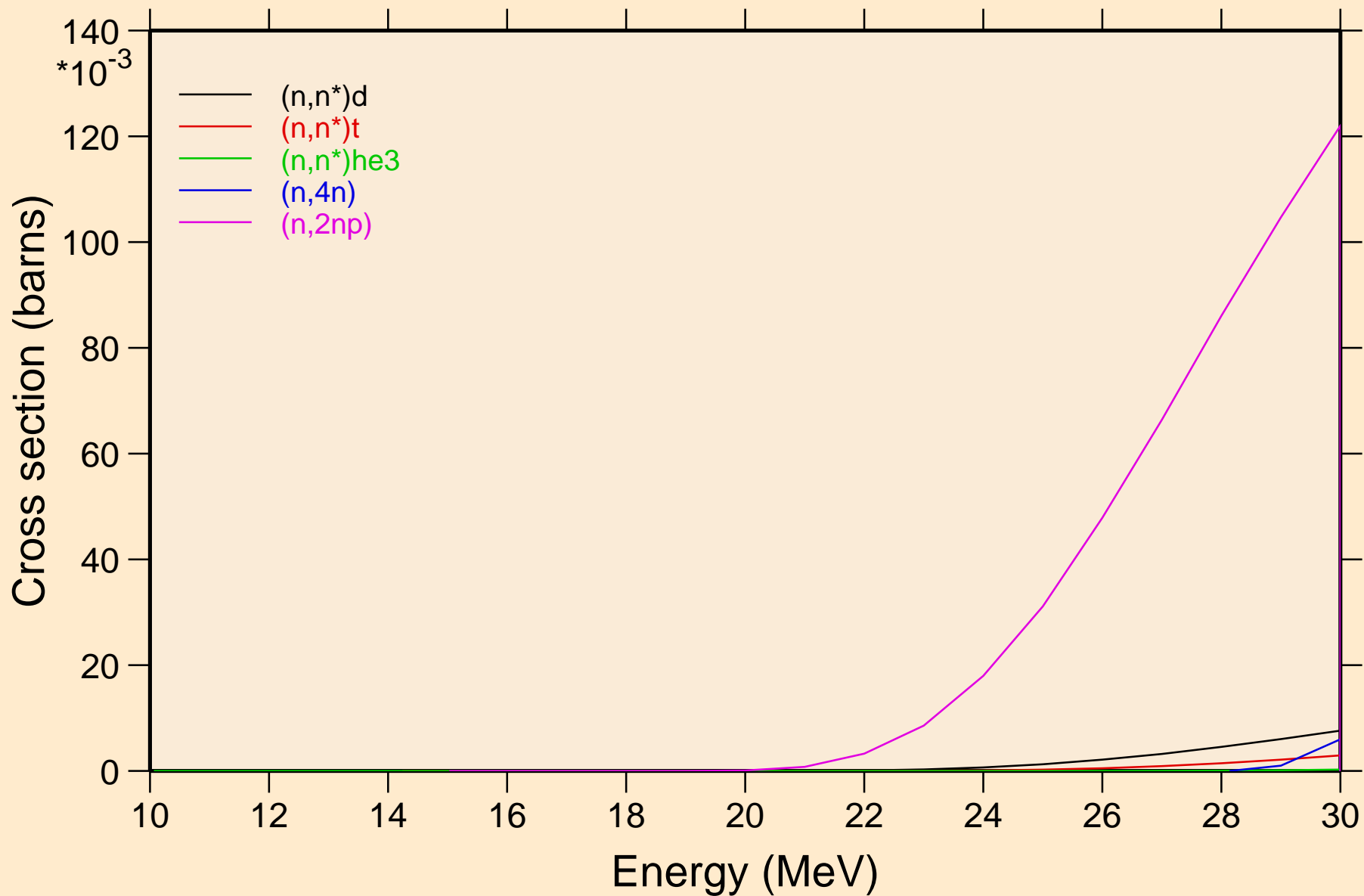
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

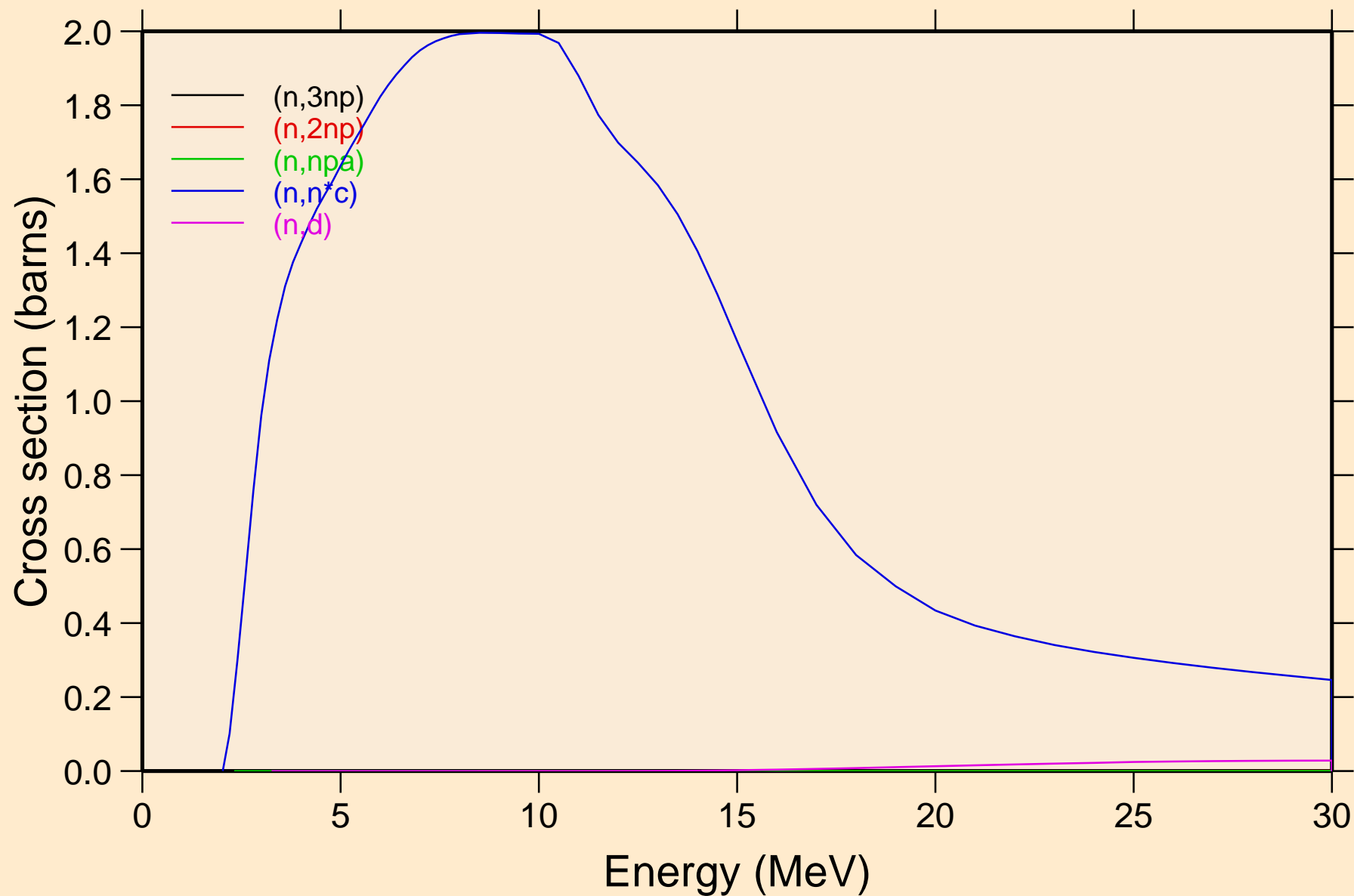


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

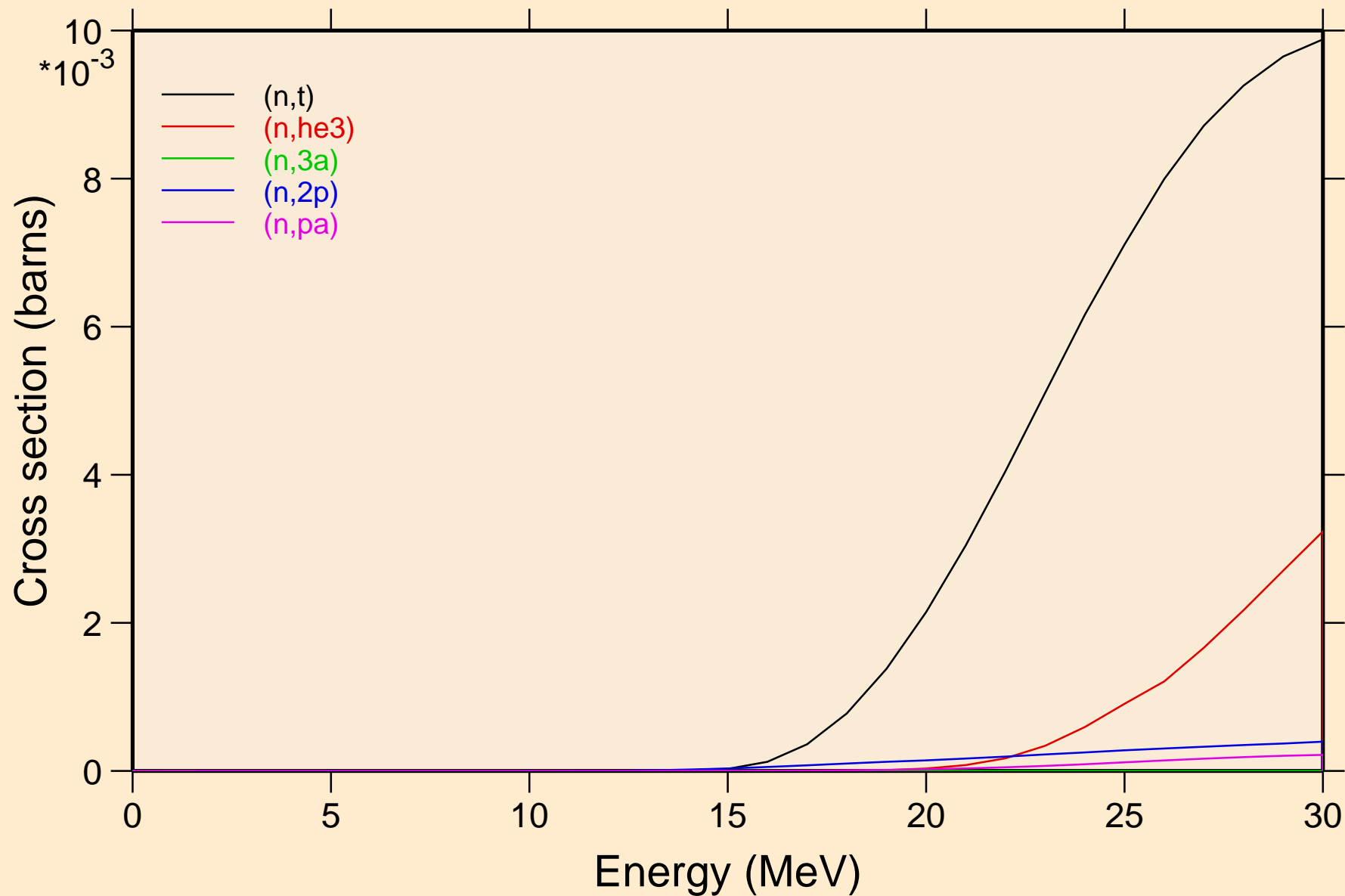


# ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

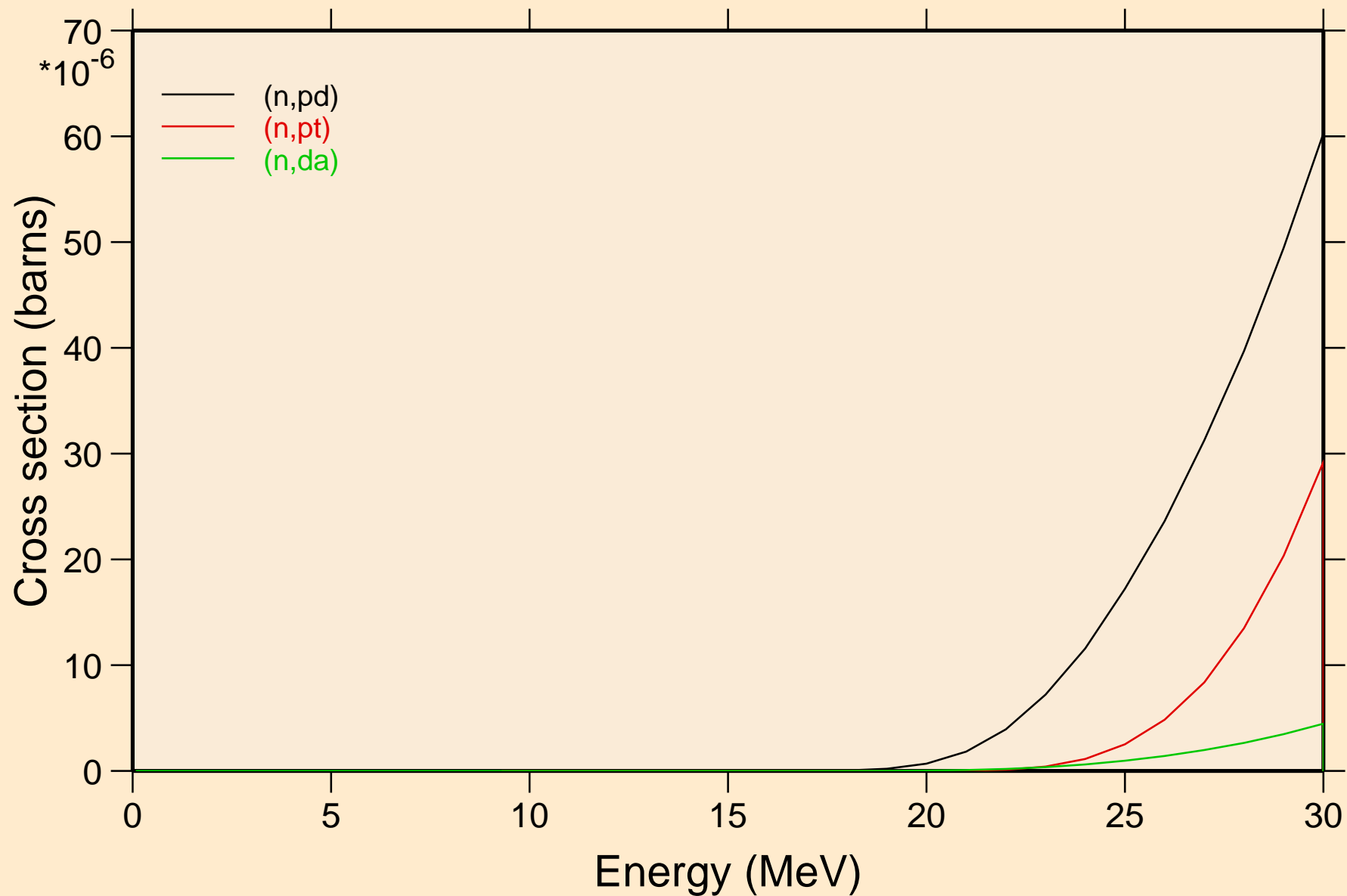
## Threshold reactions



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

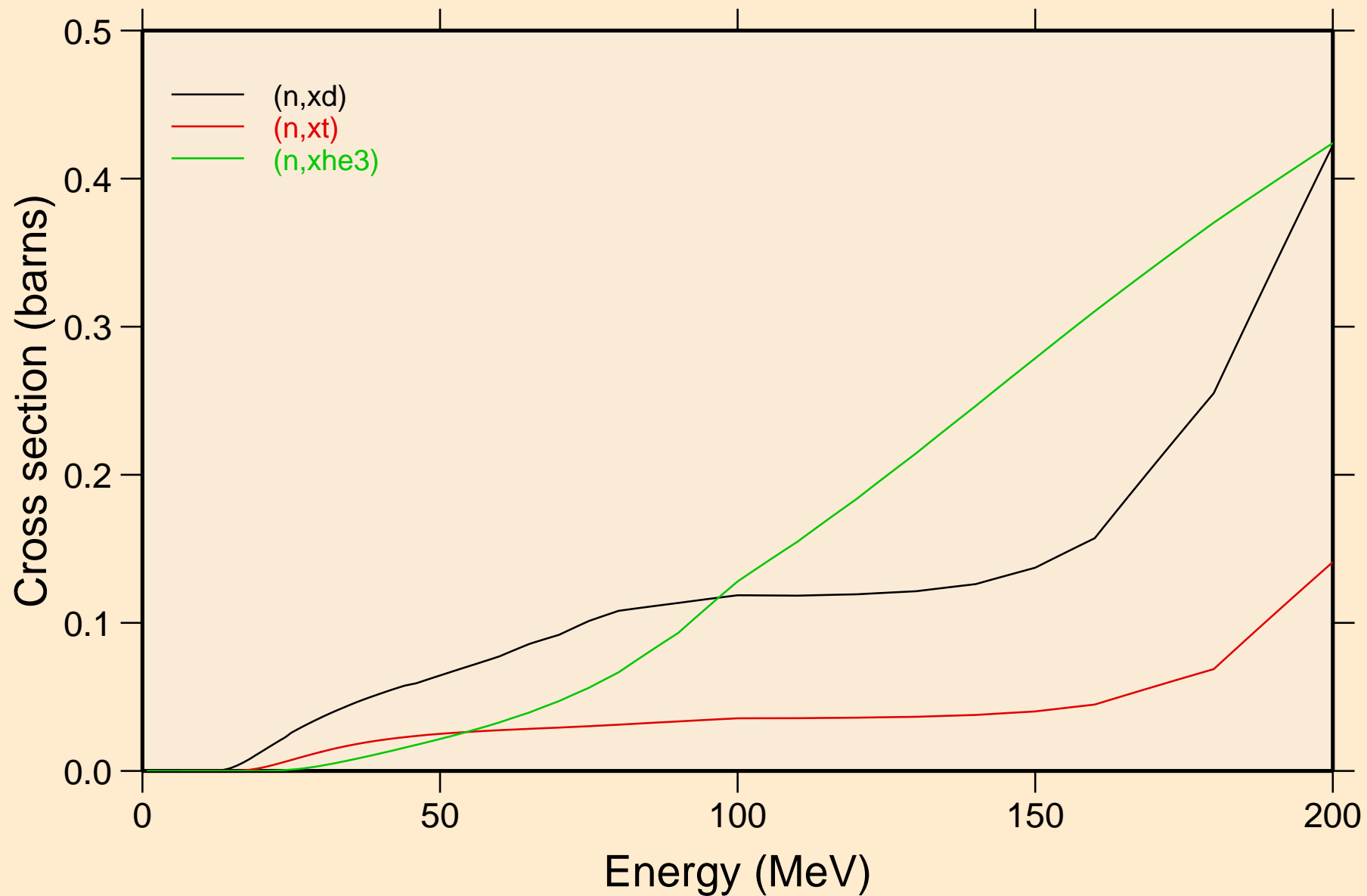


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

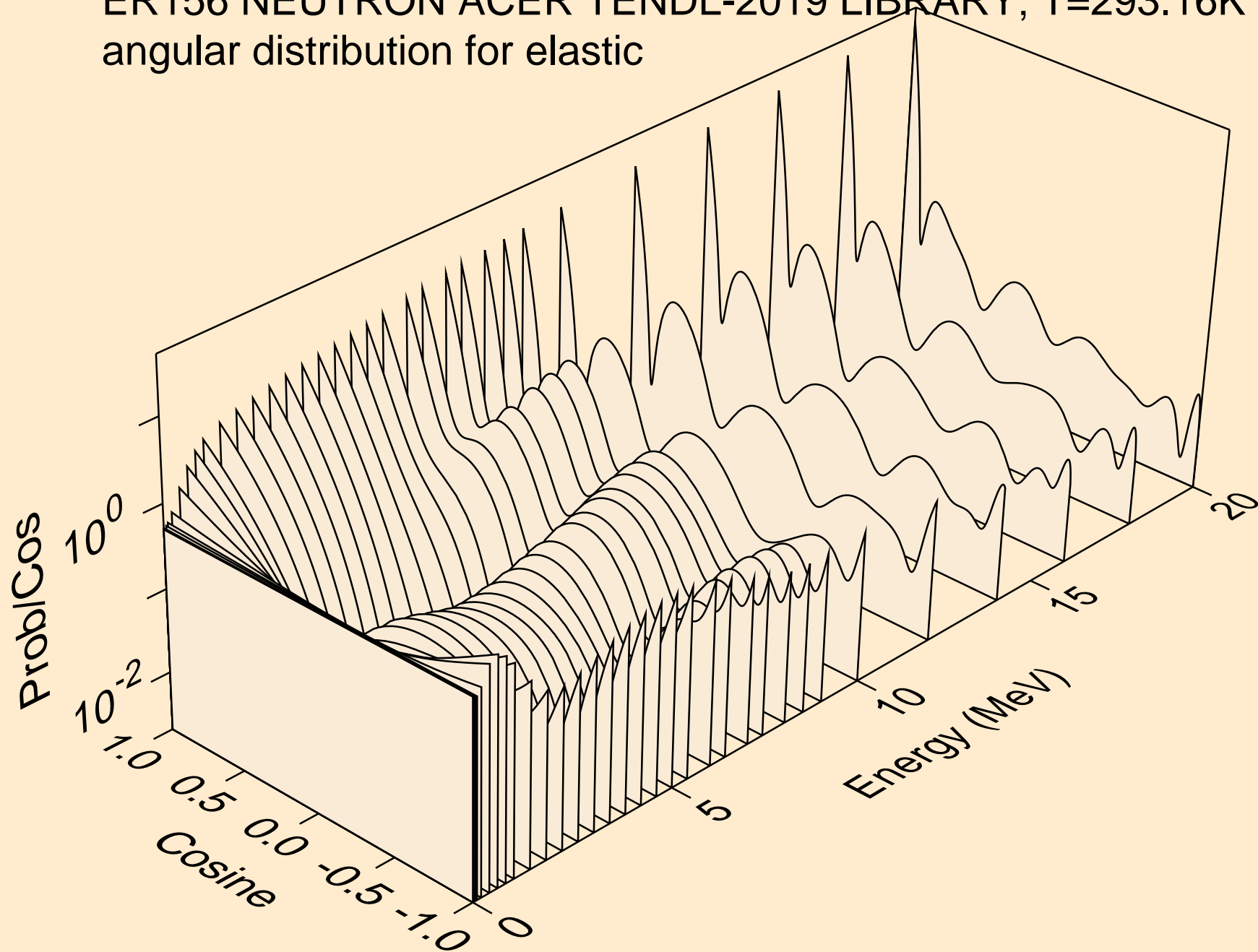




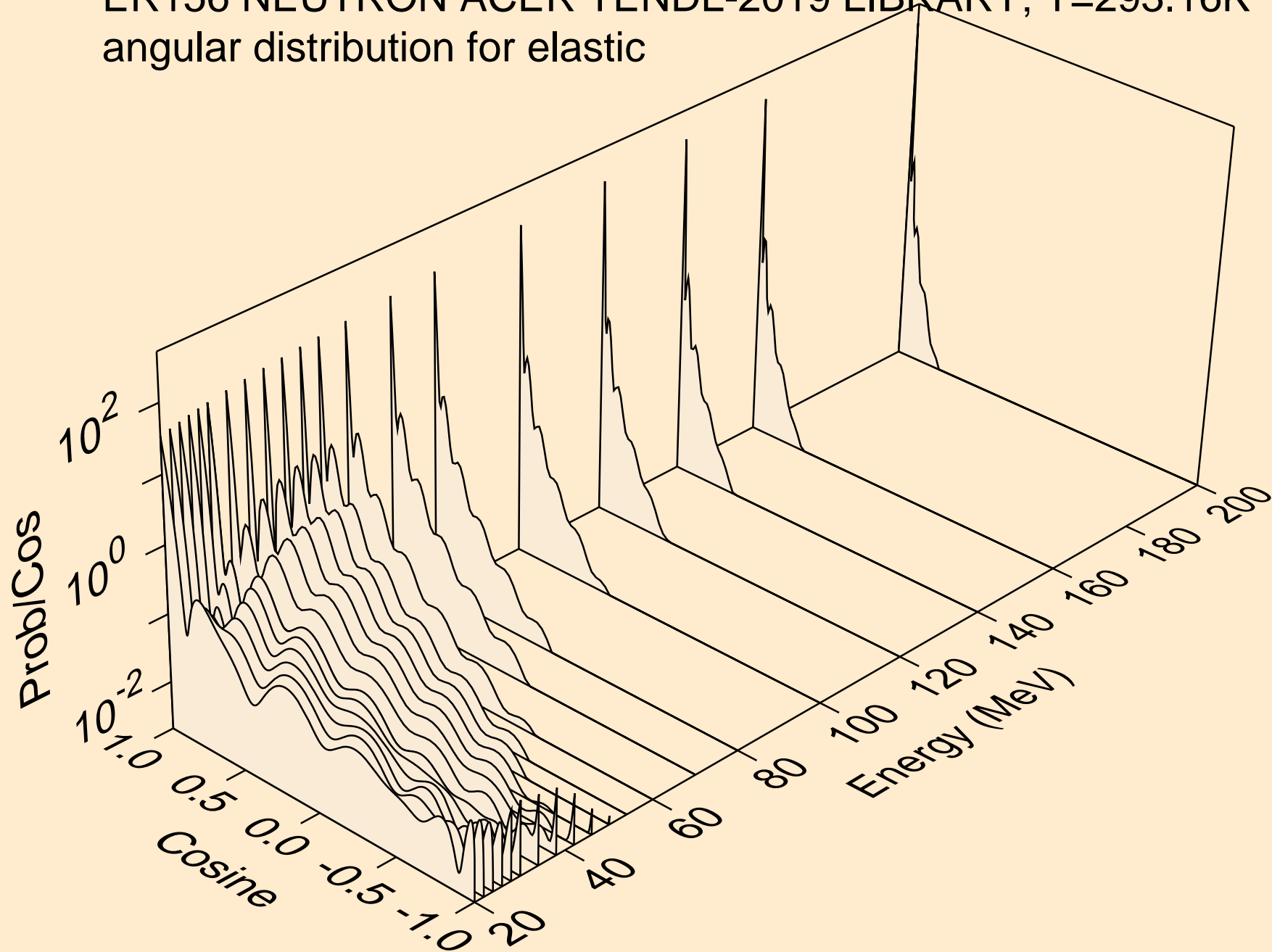
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



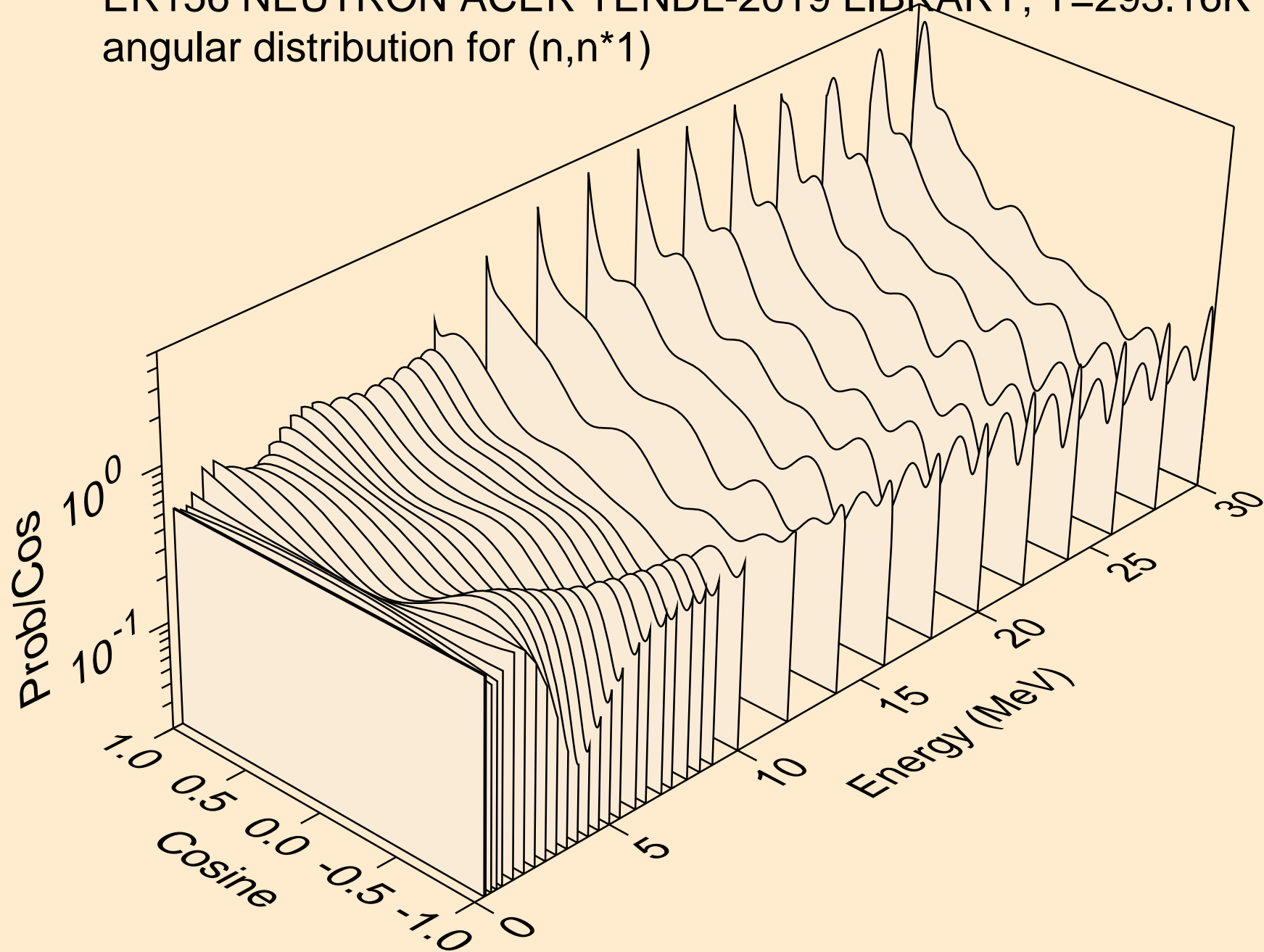
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



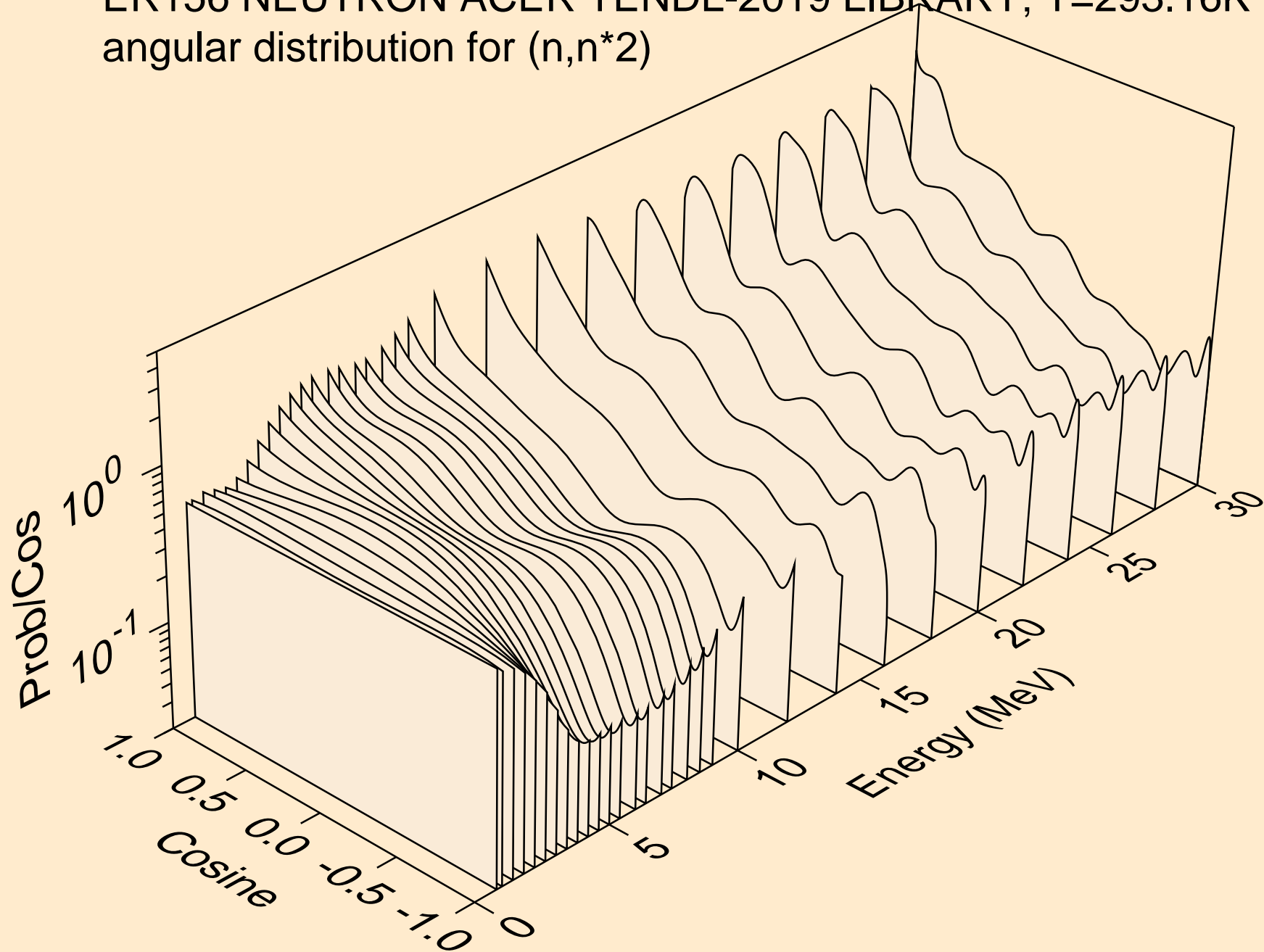
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



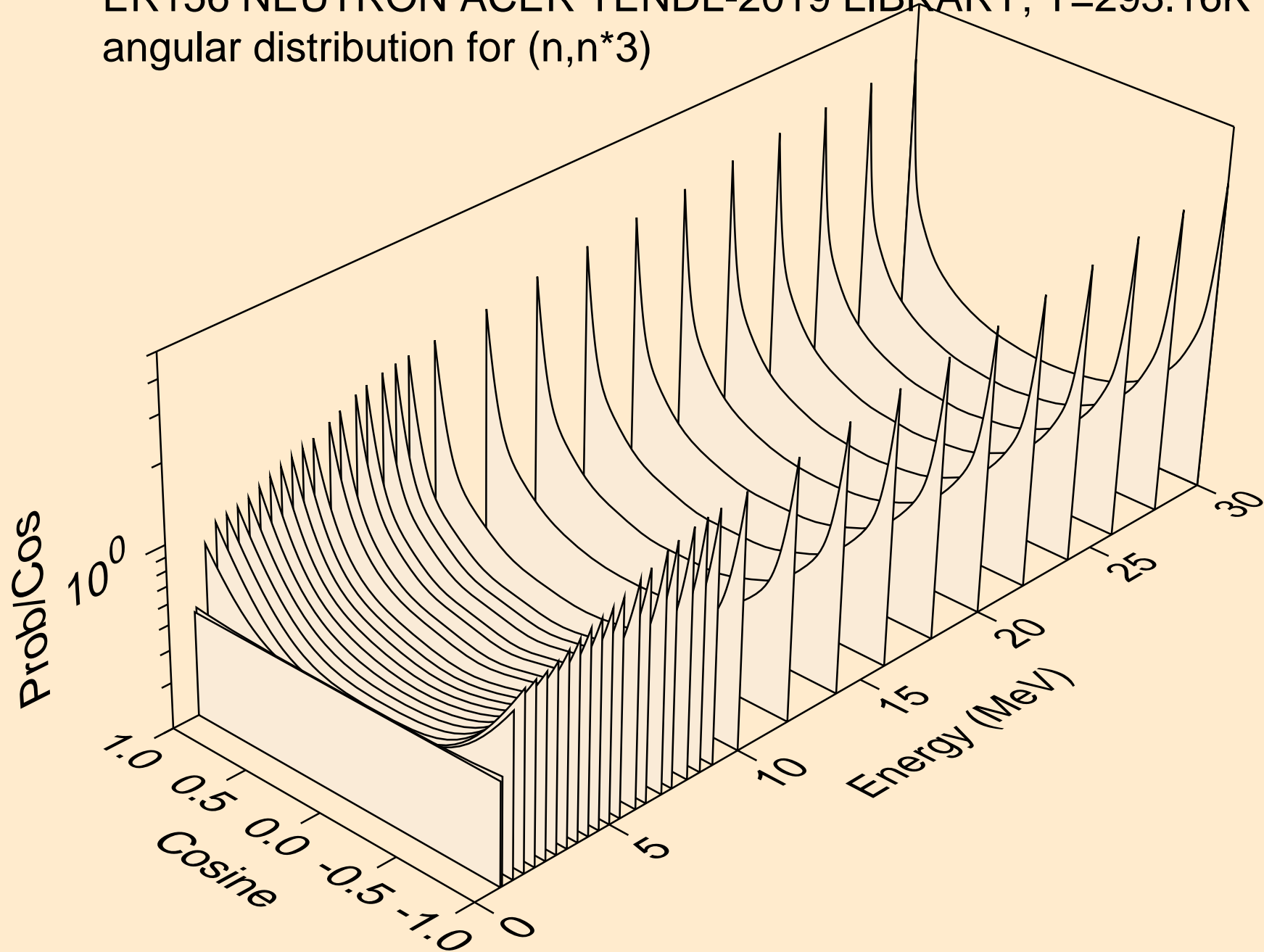
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



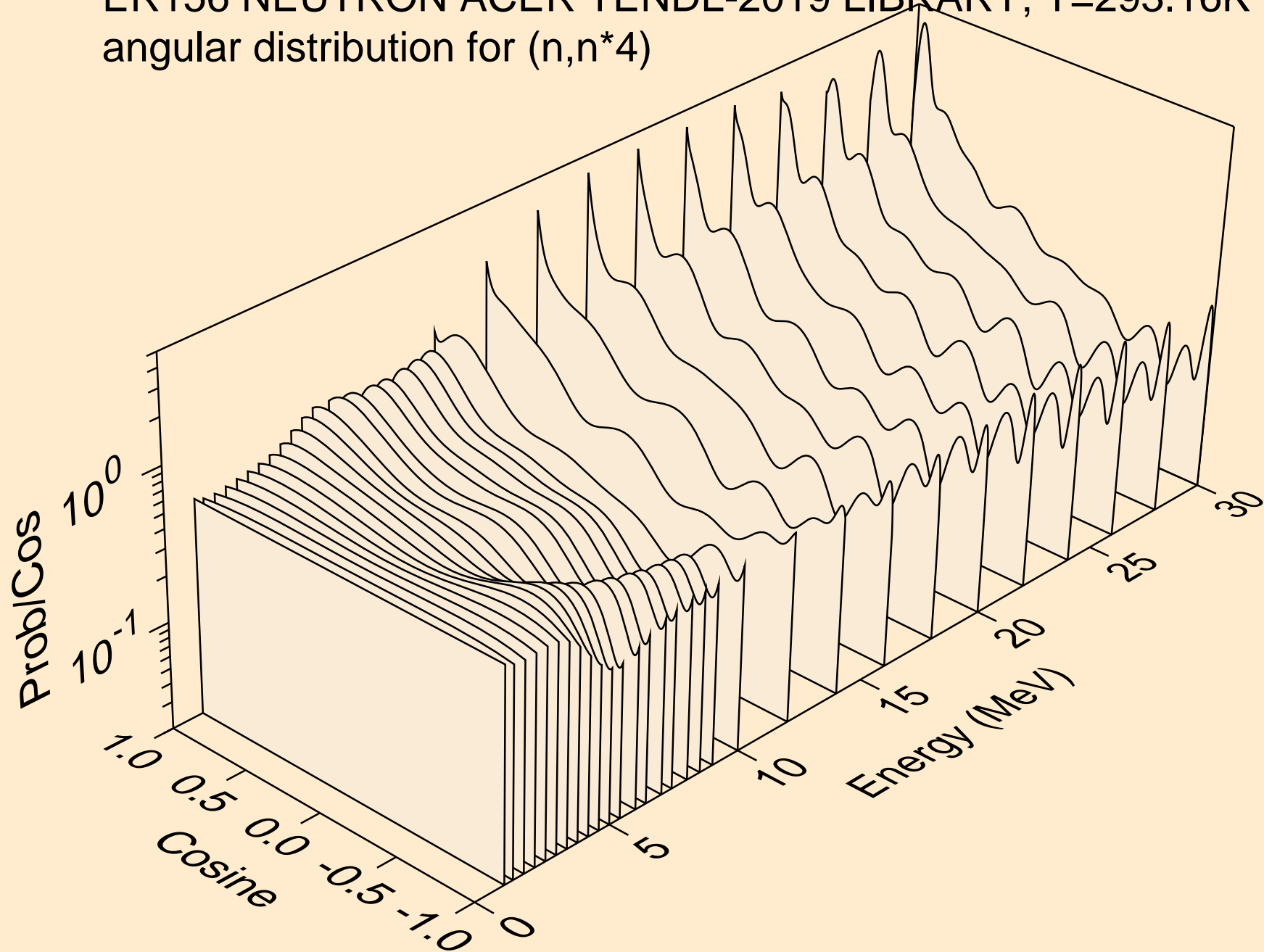
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



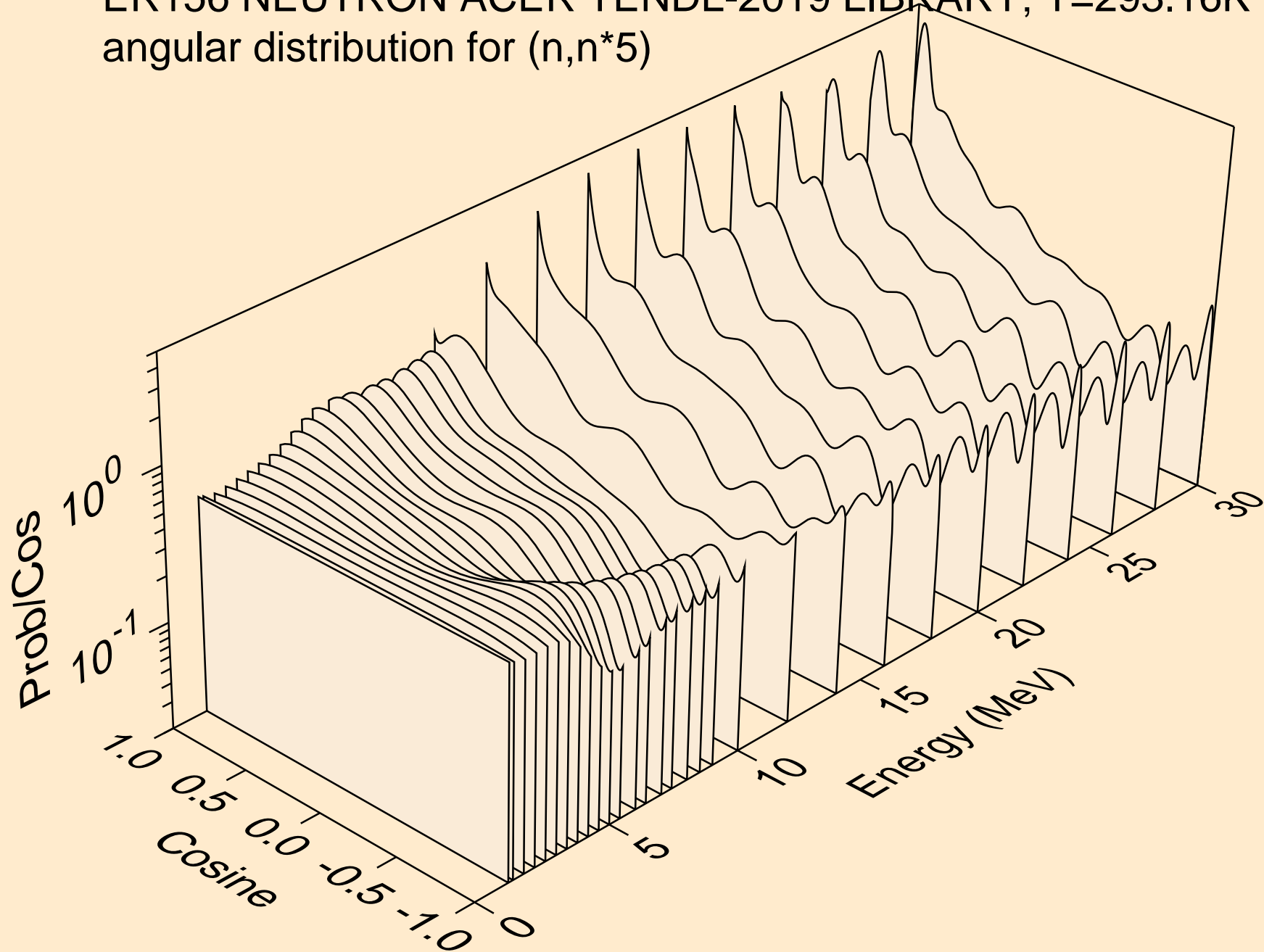
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

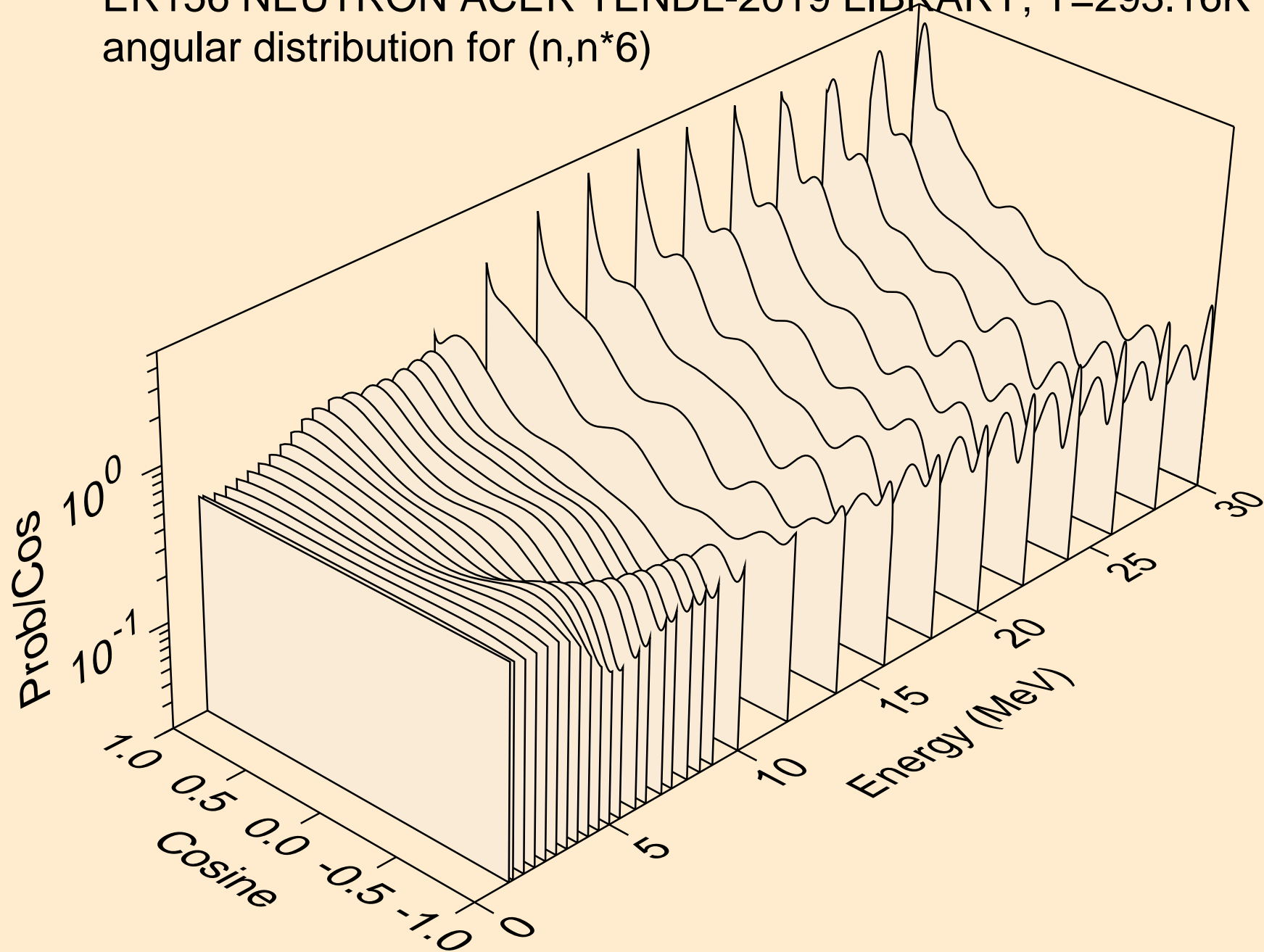


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

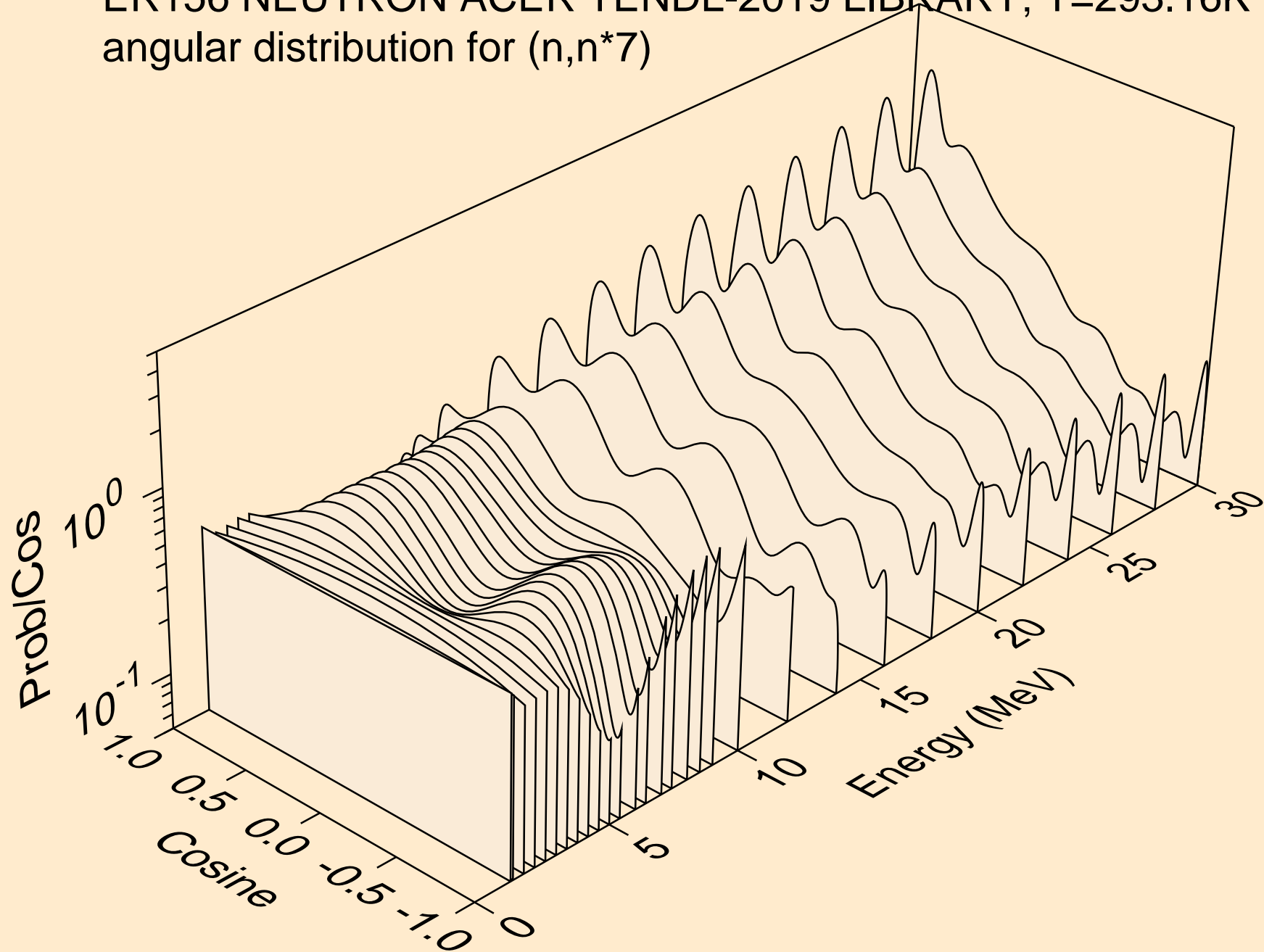




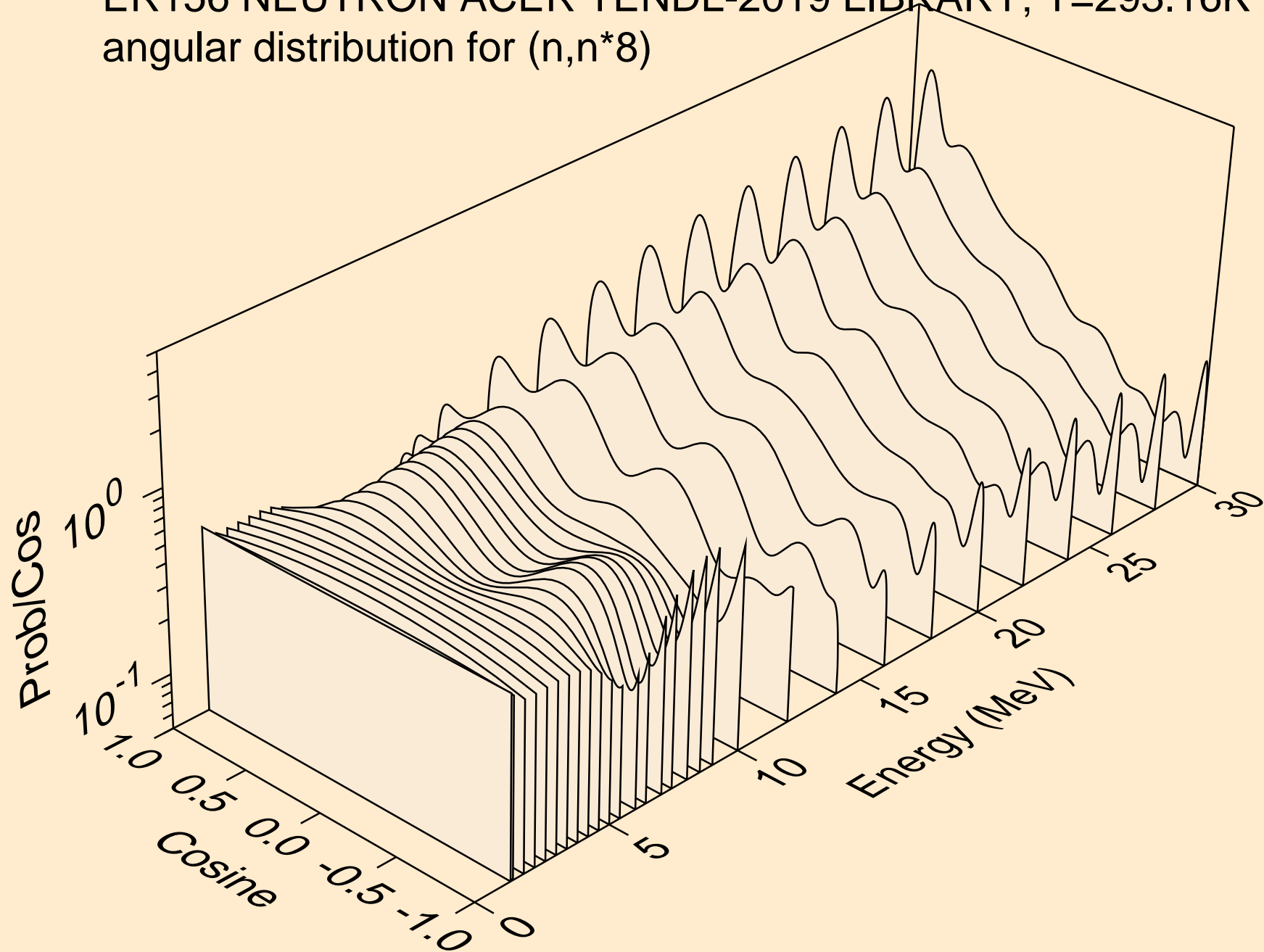
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



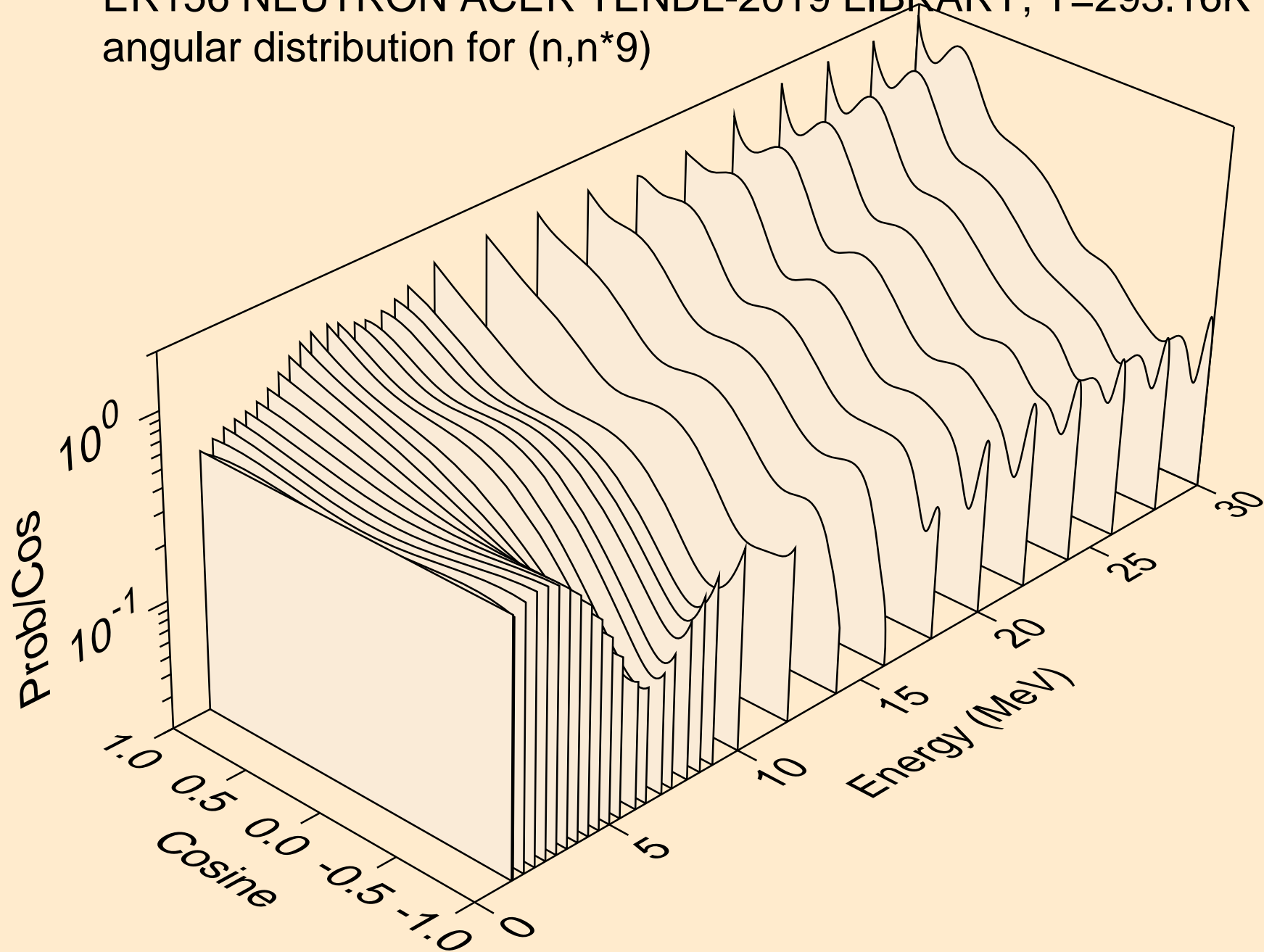
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



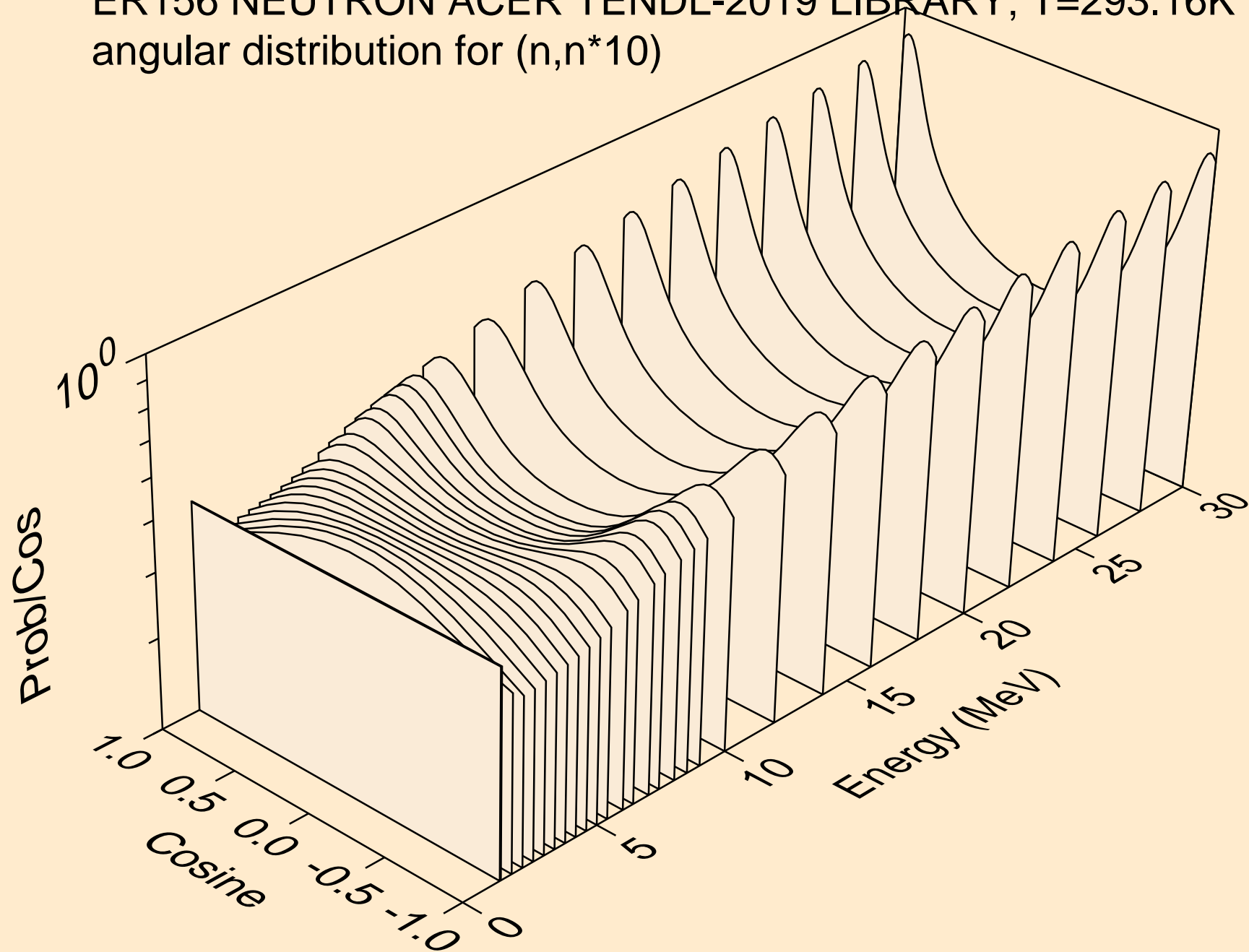
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



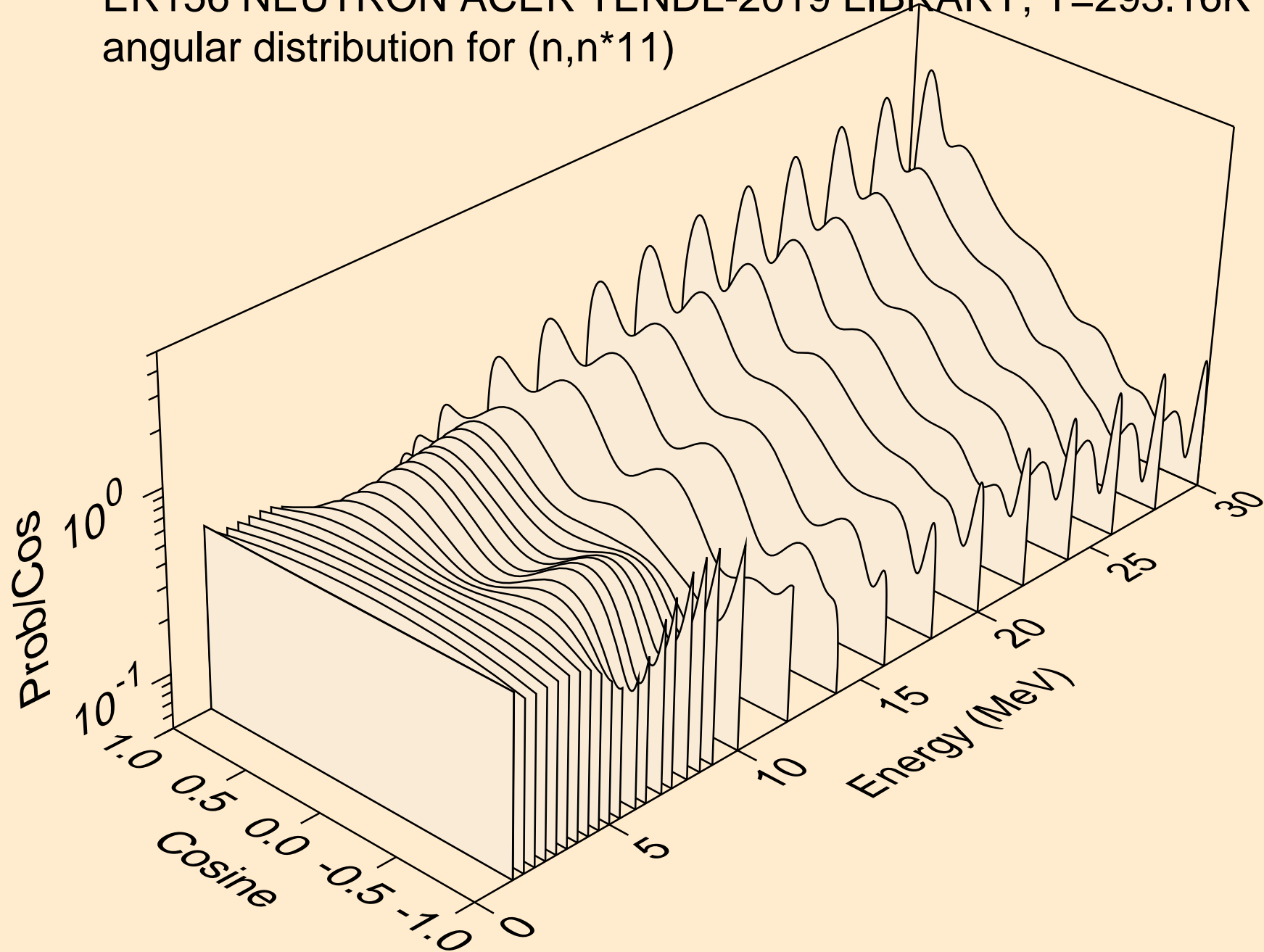
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



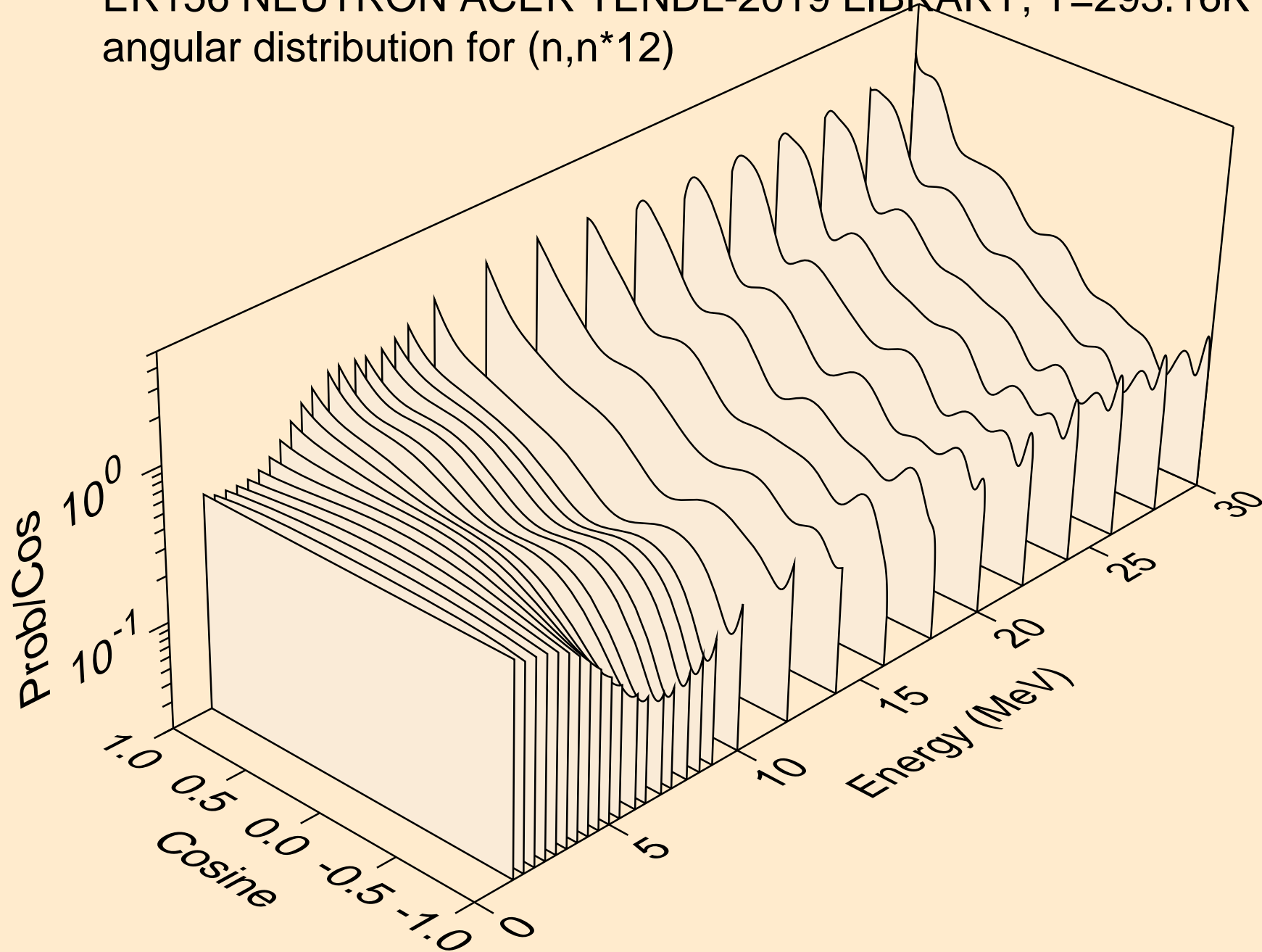
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



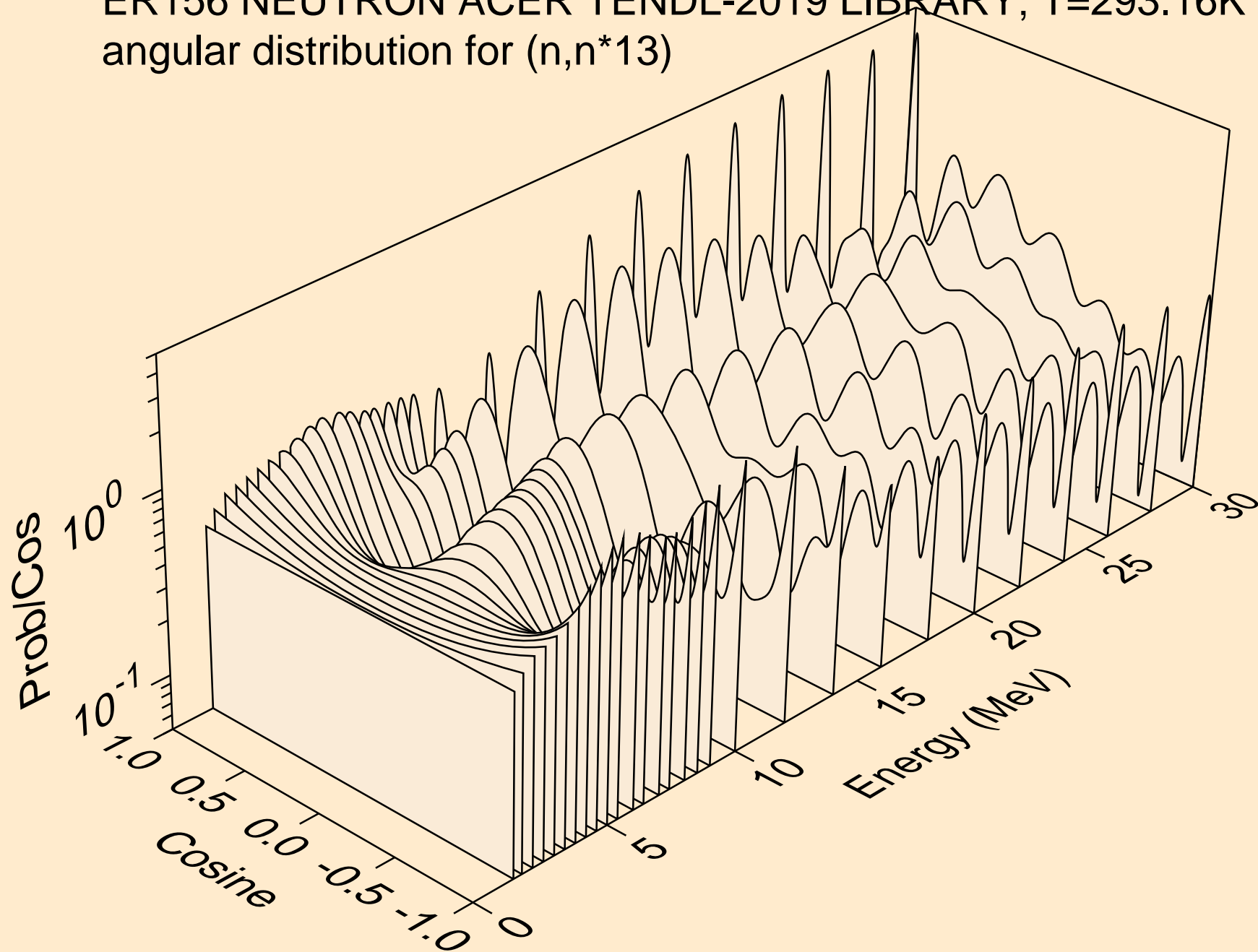
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

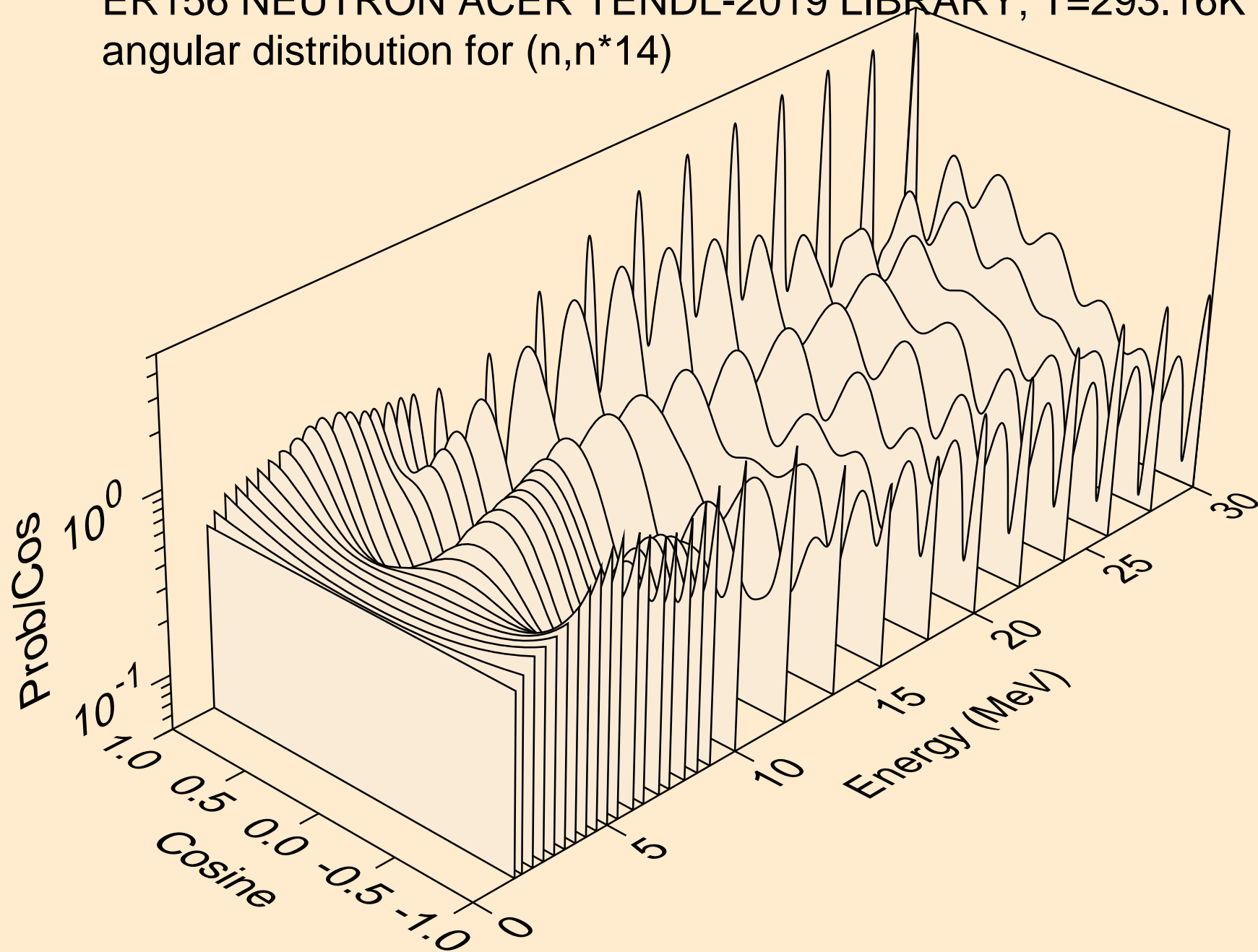


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

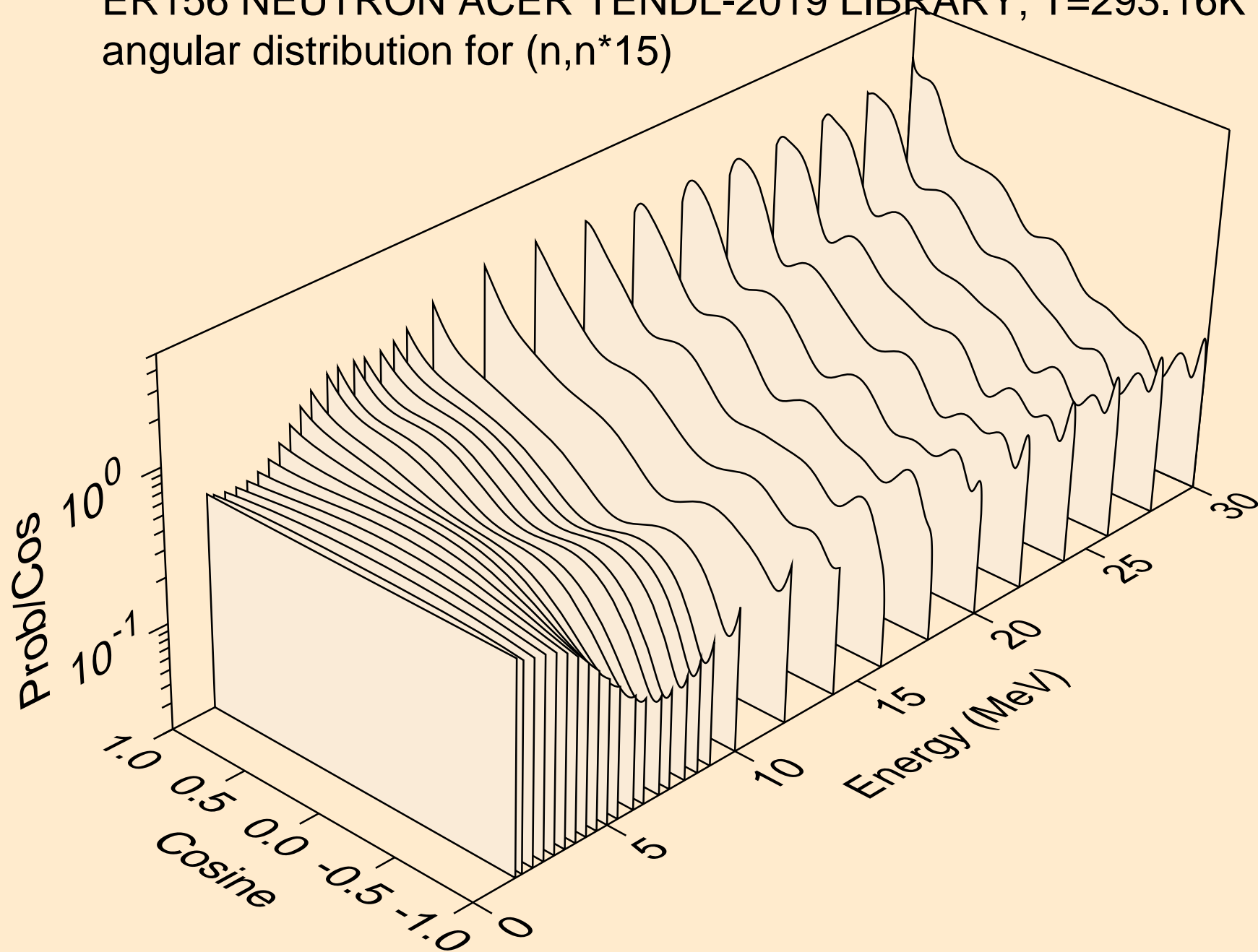




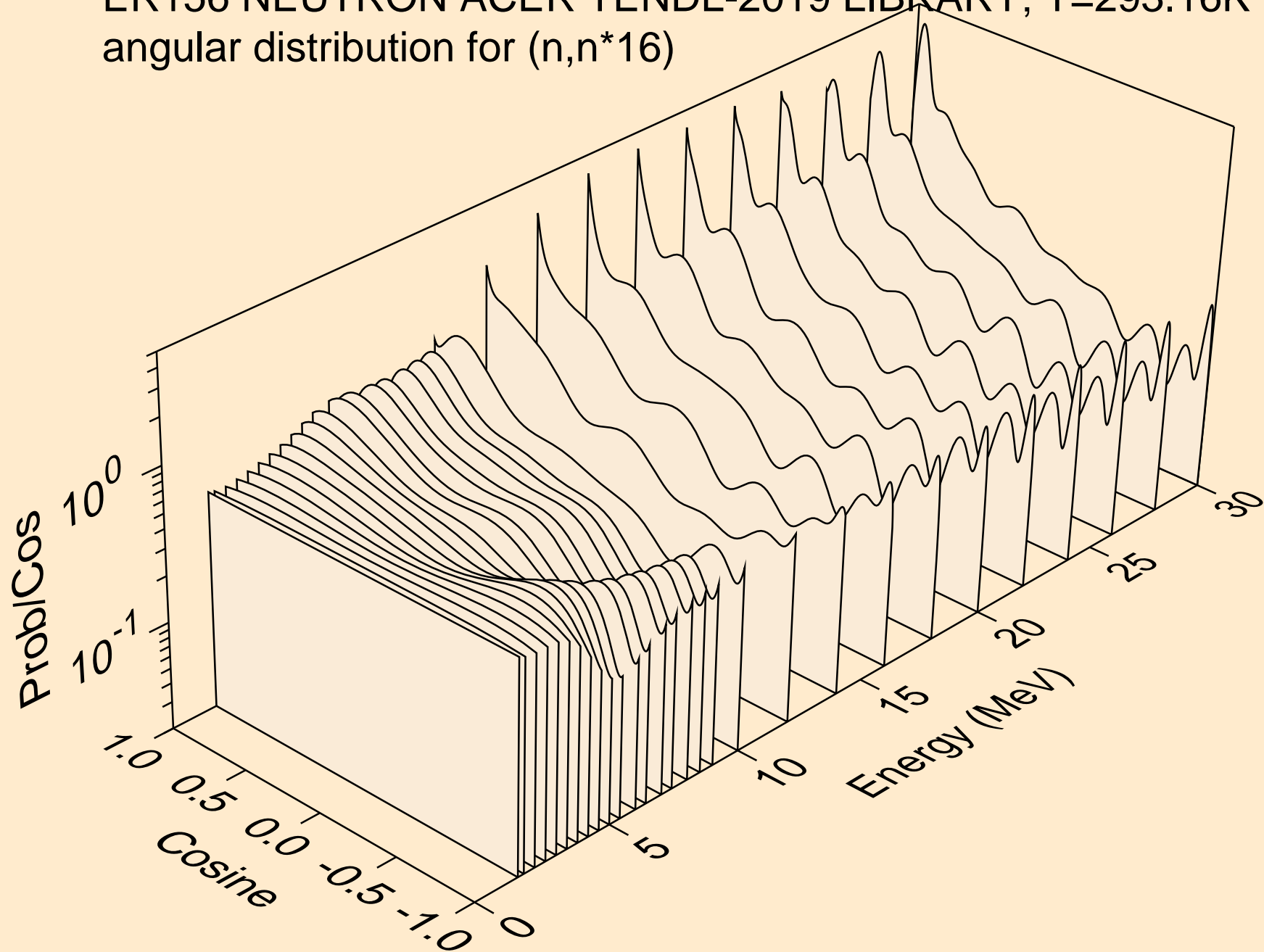
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



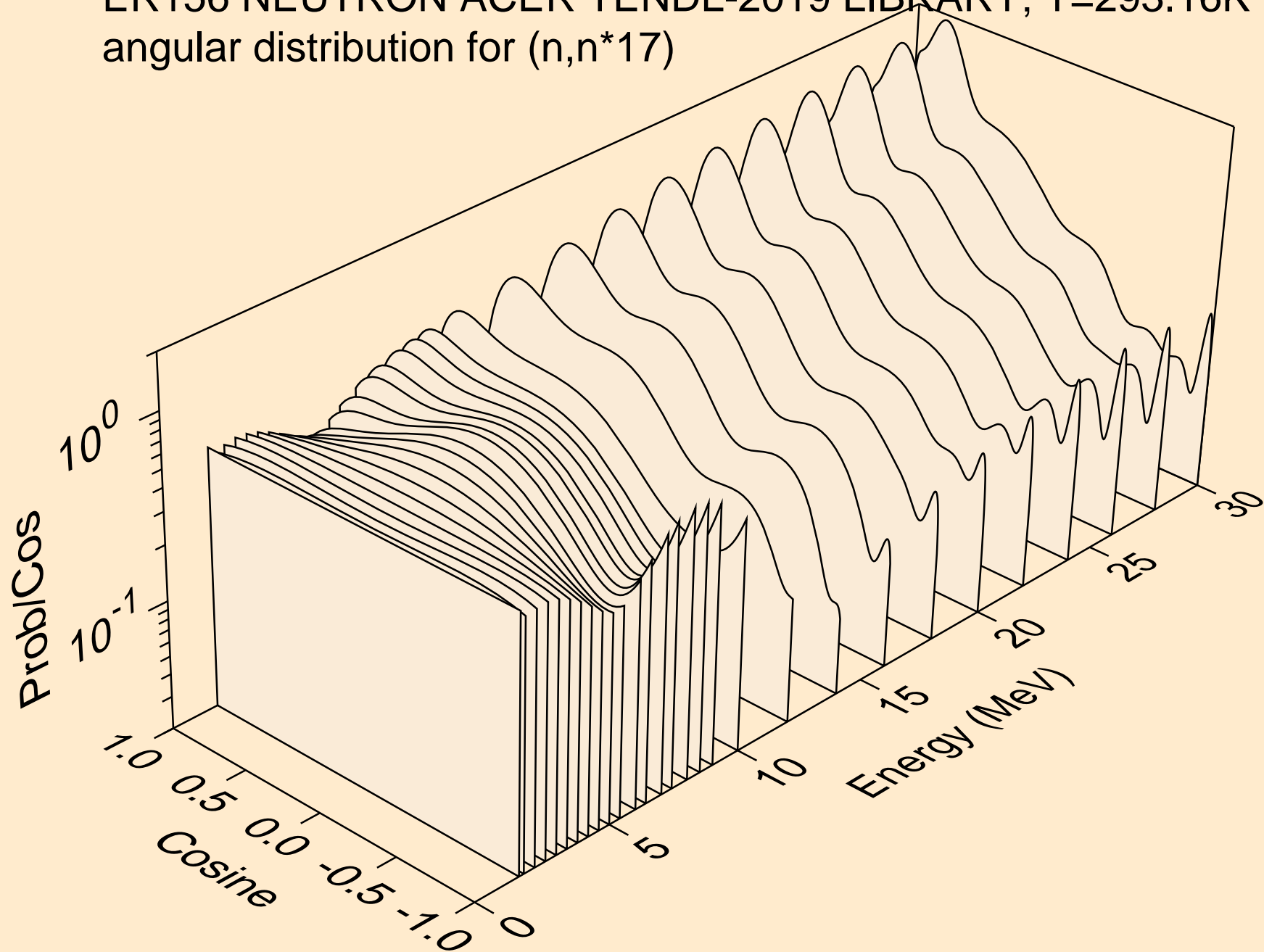
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



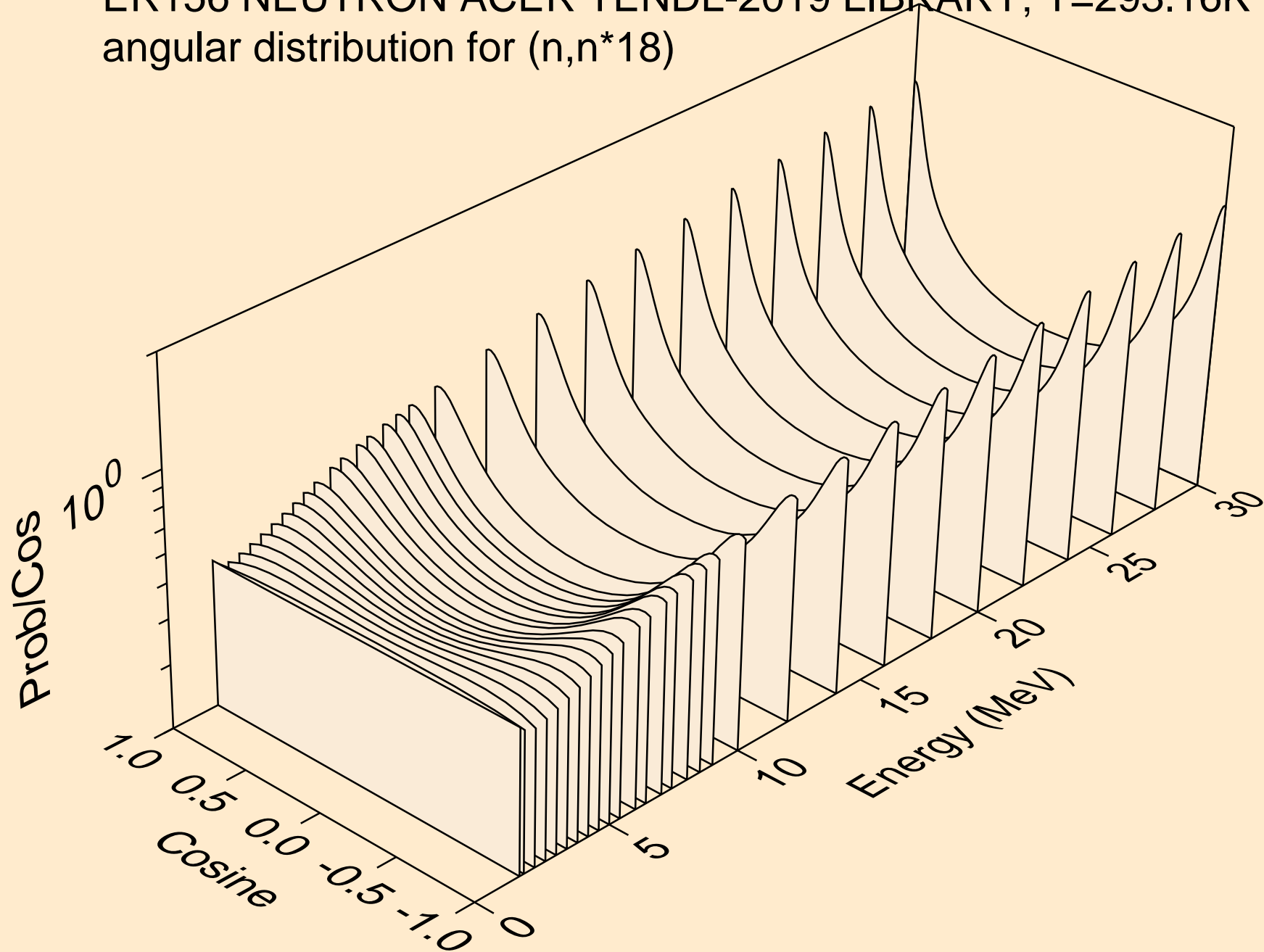
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



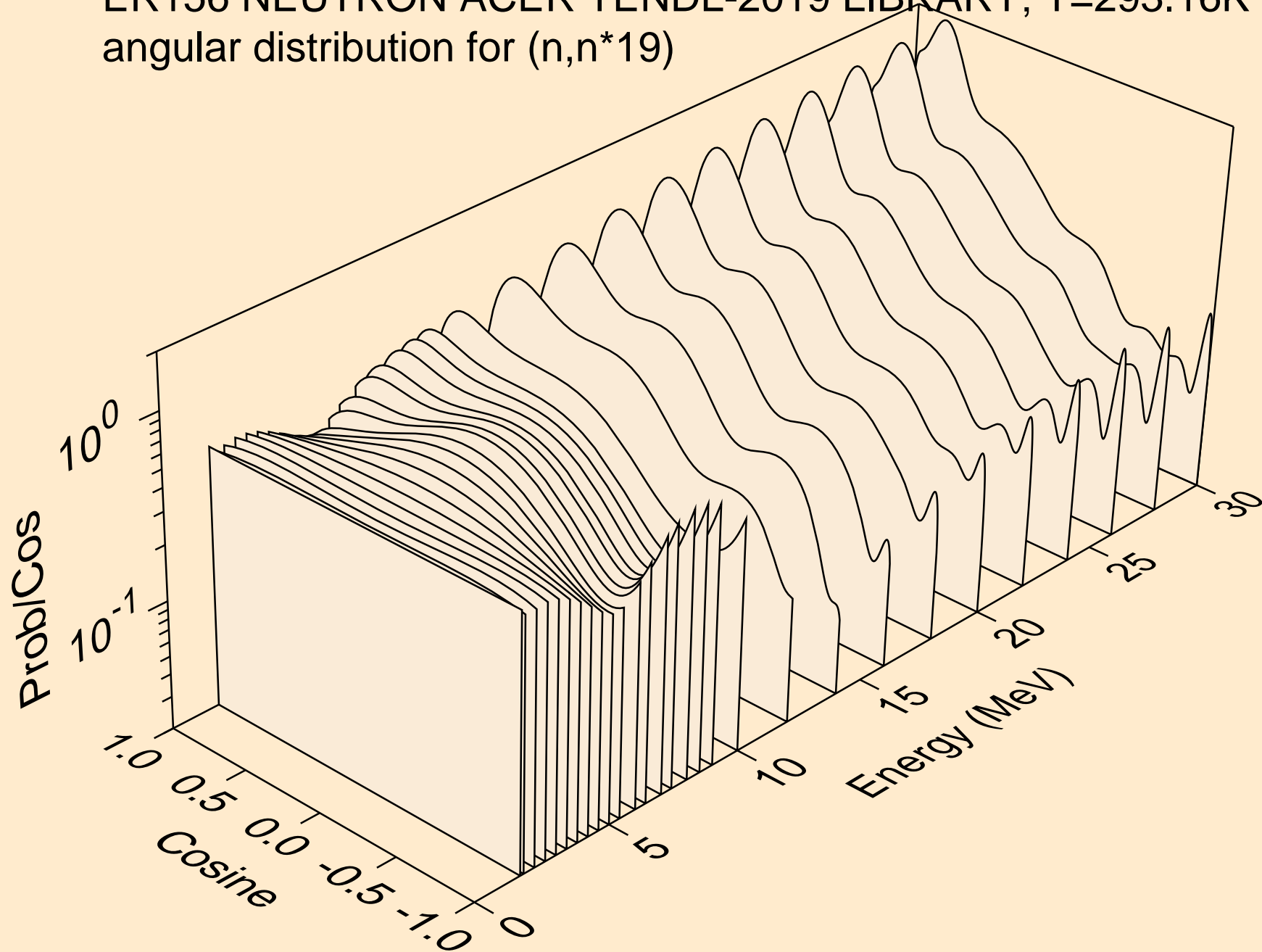
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



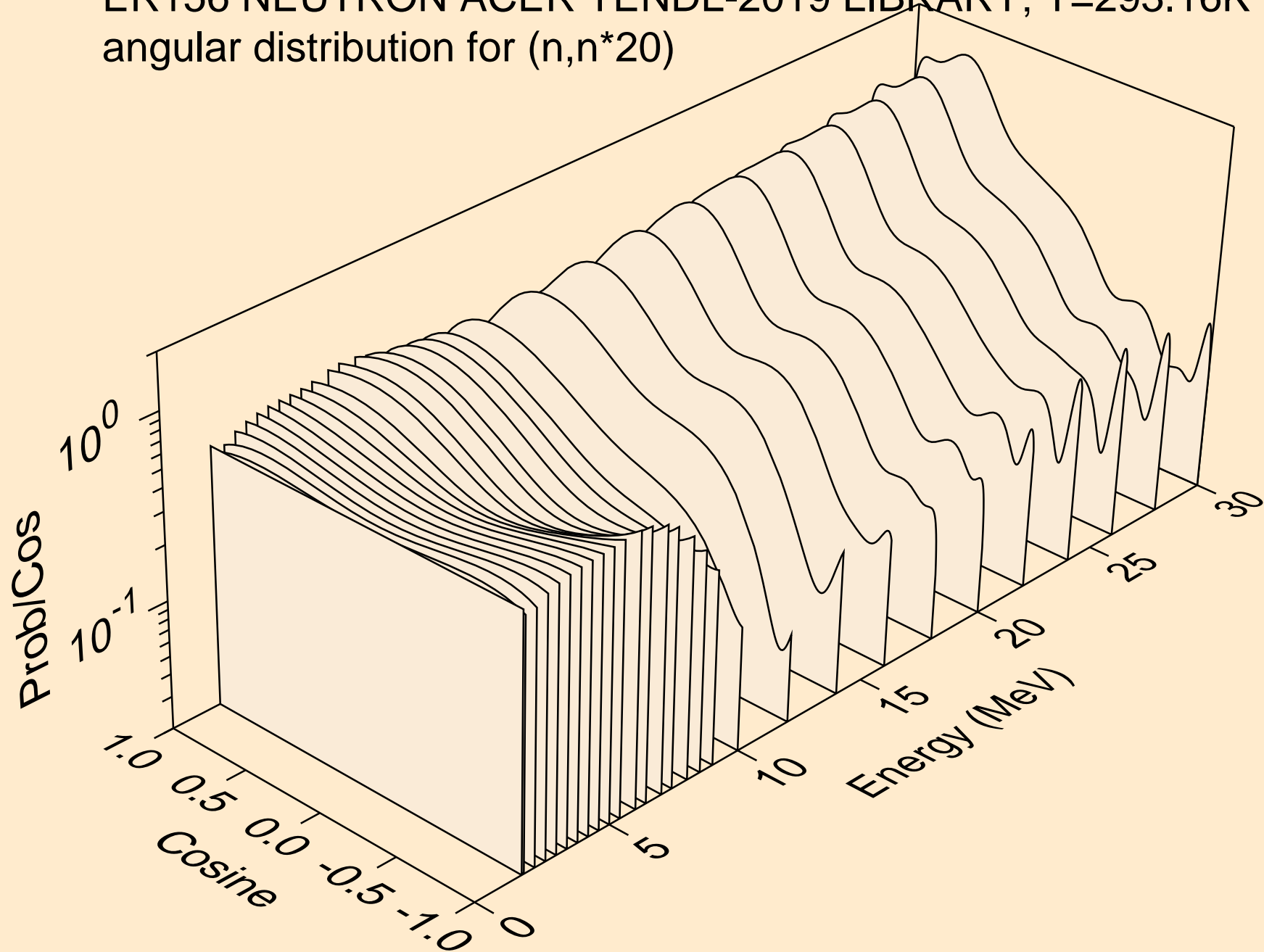
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



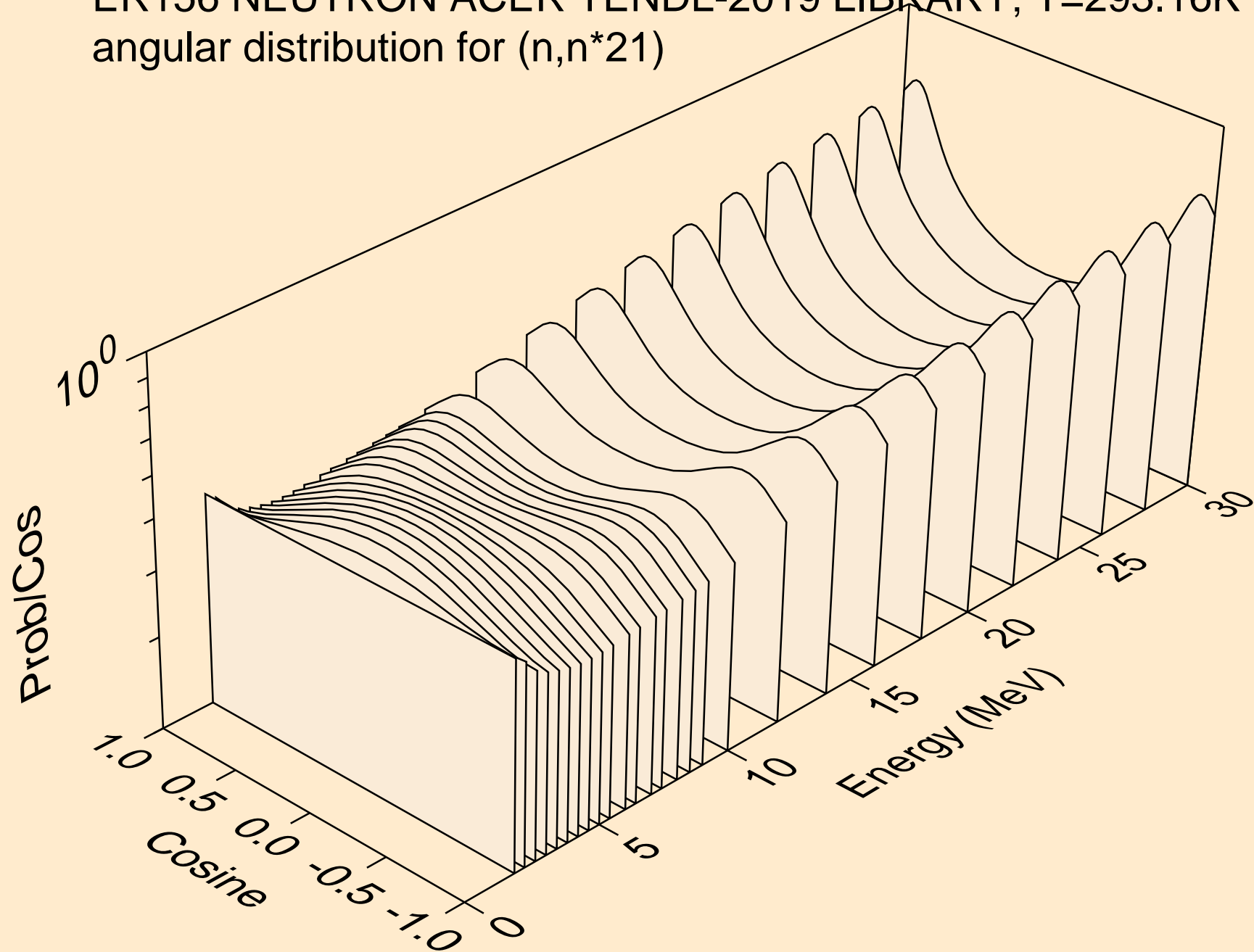
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

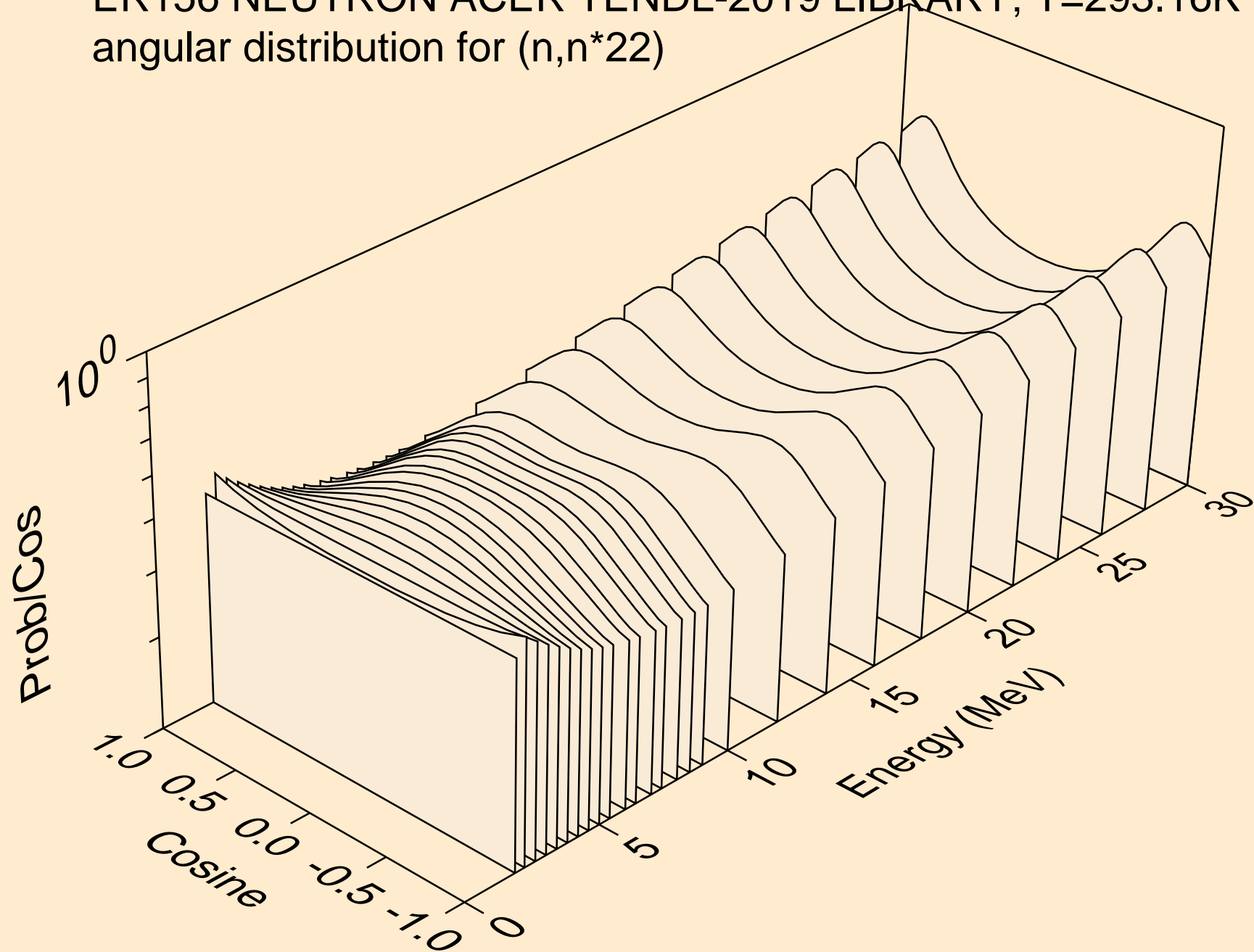


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

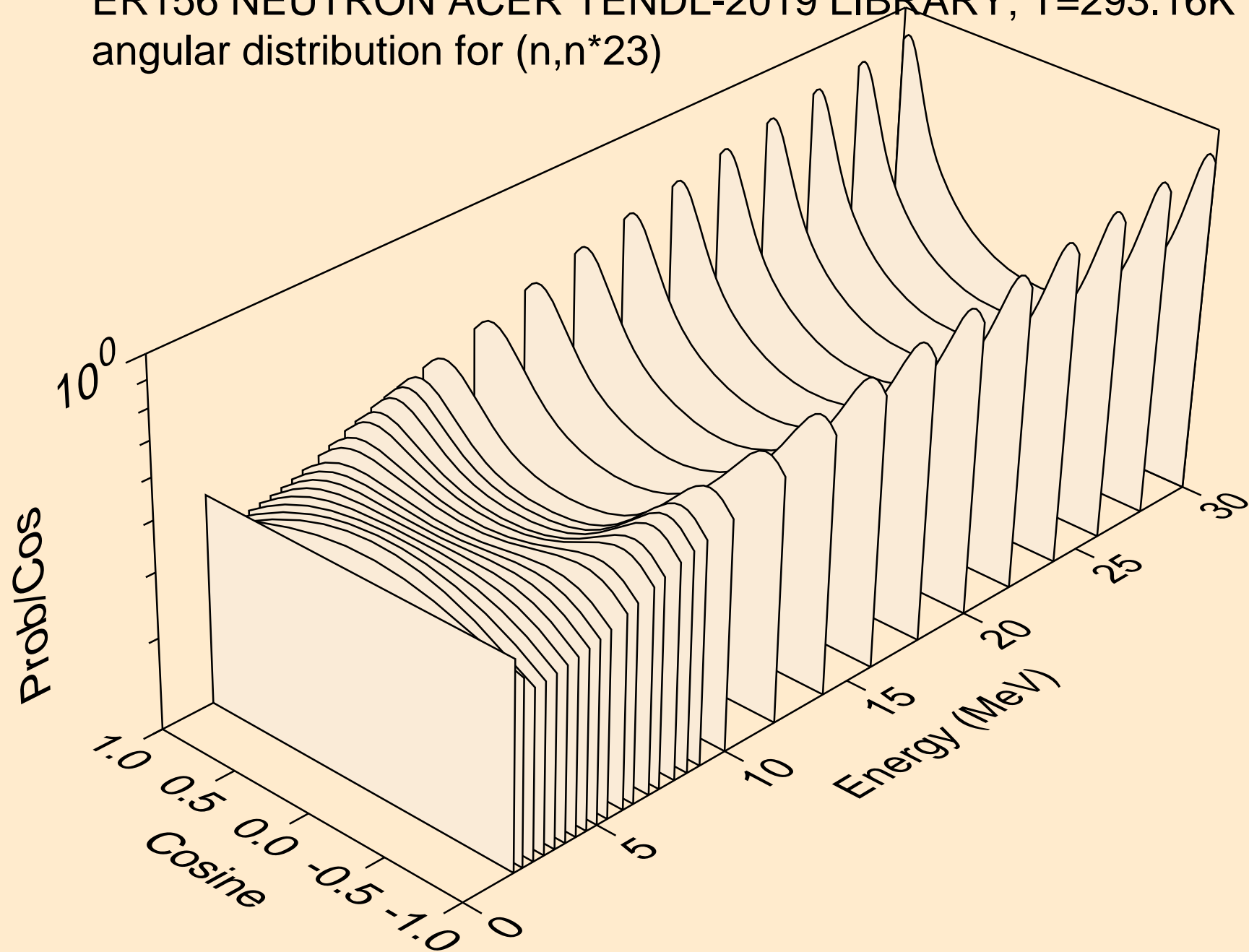




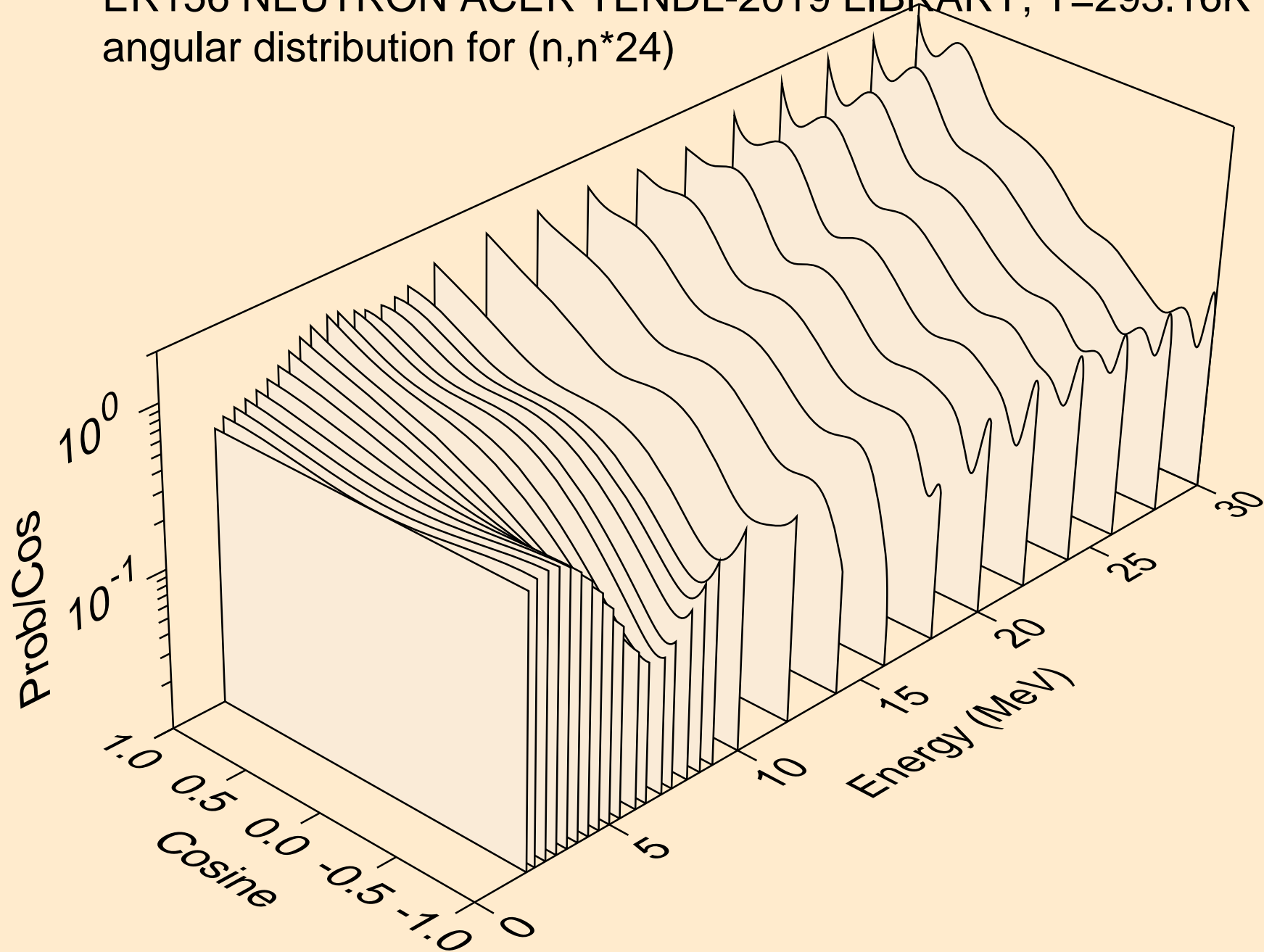
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



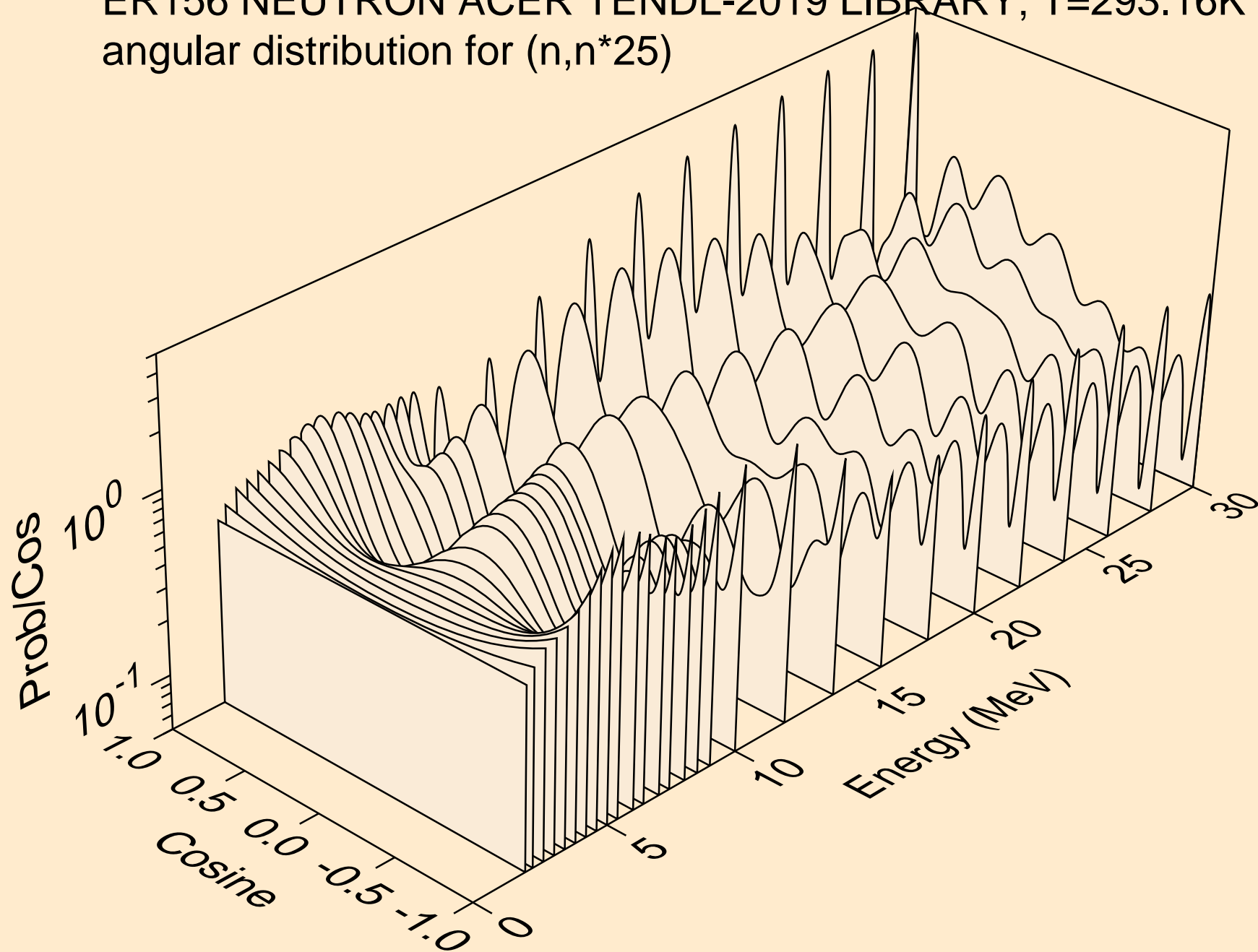
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



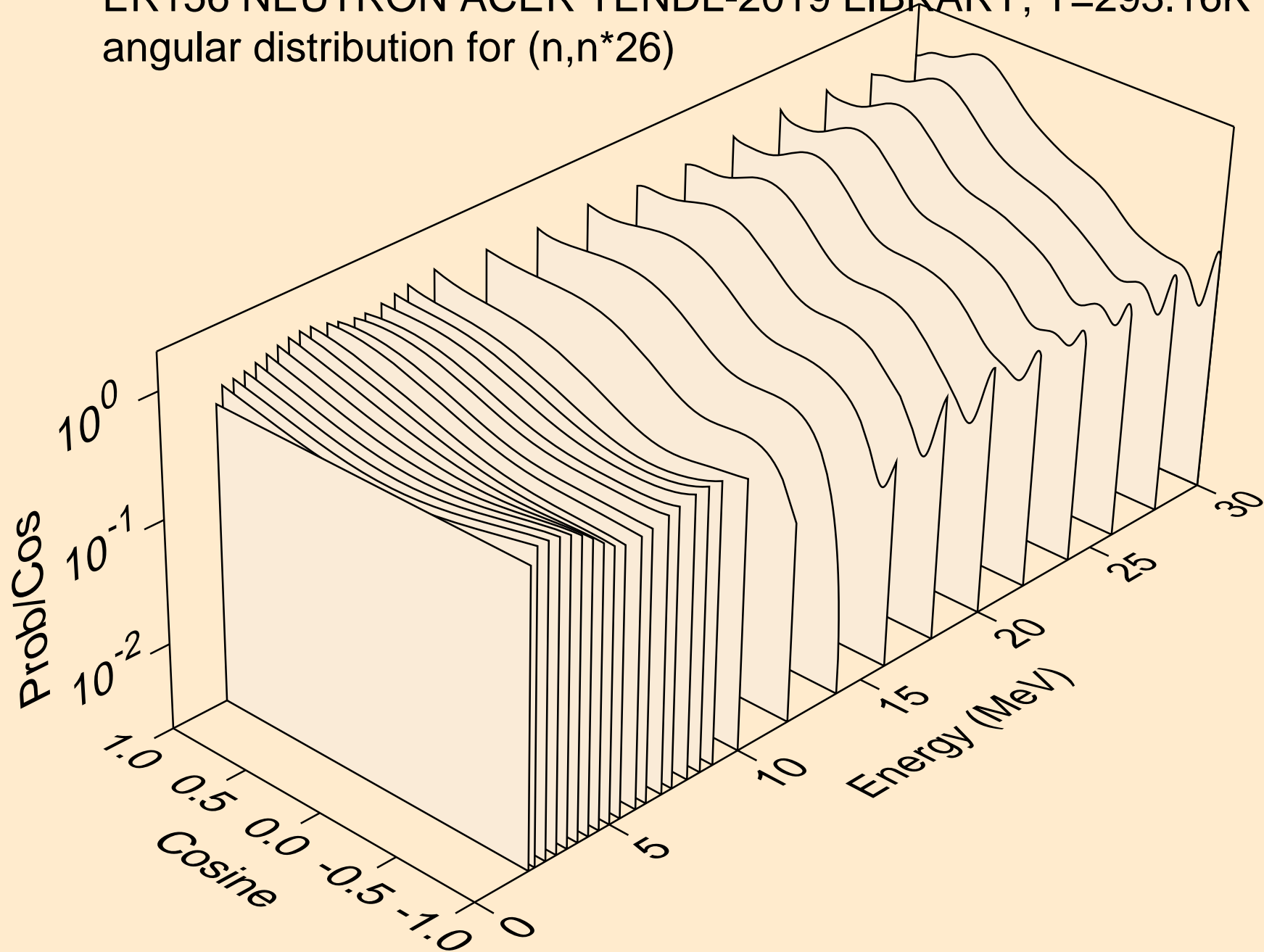
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



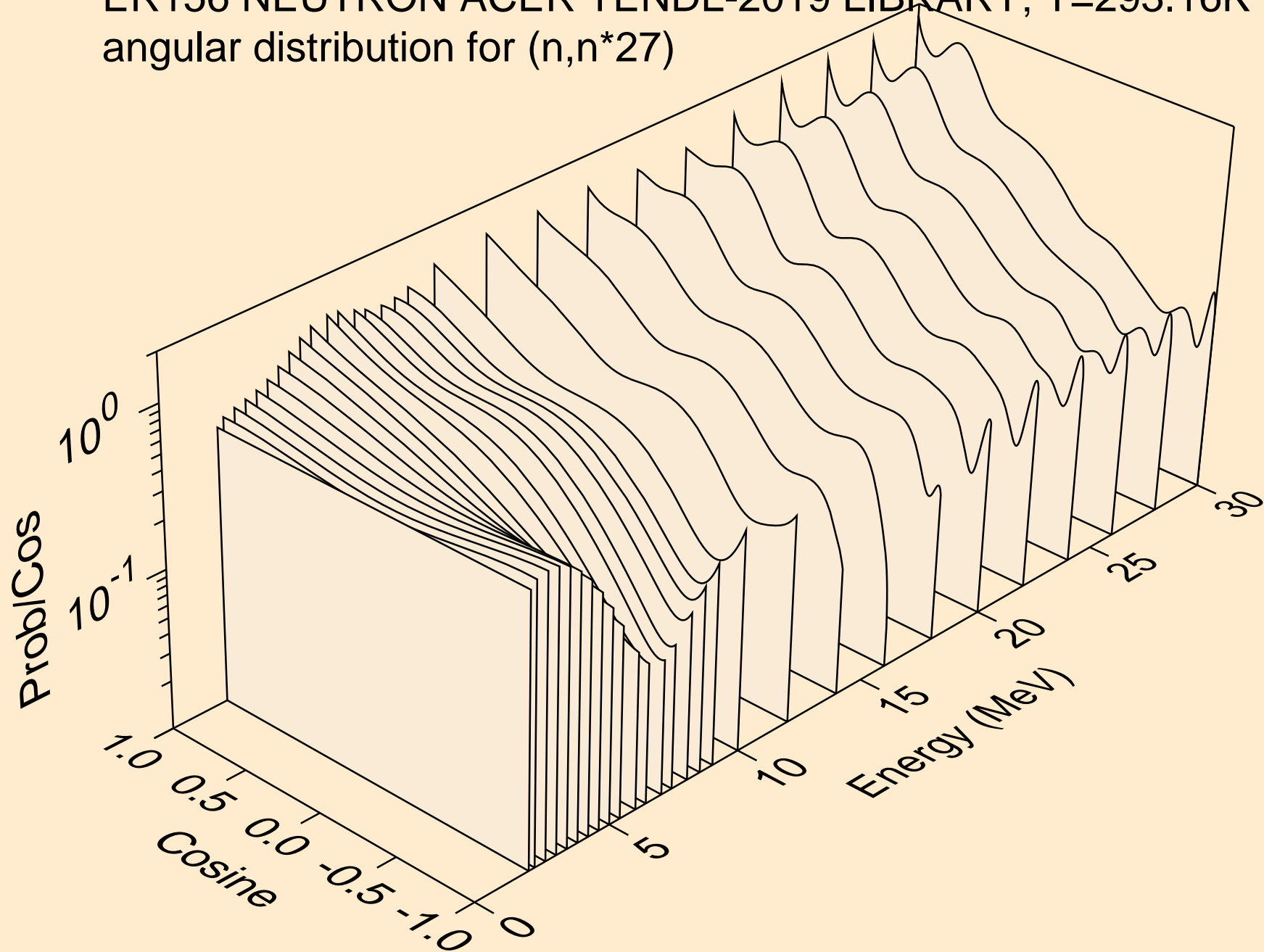
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



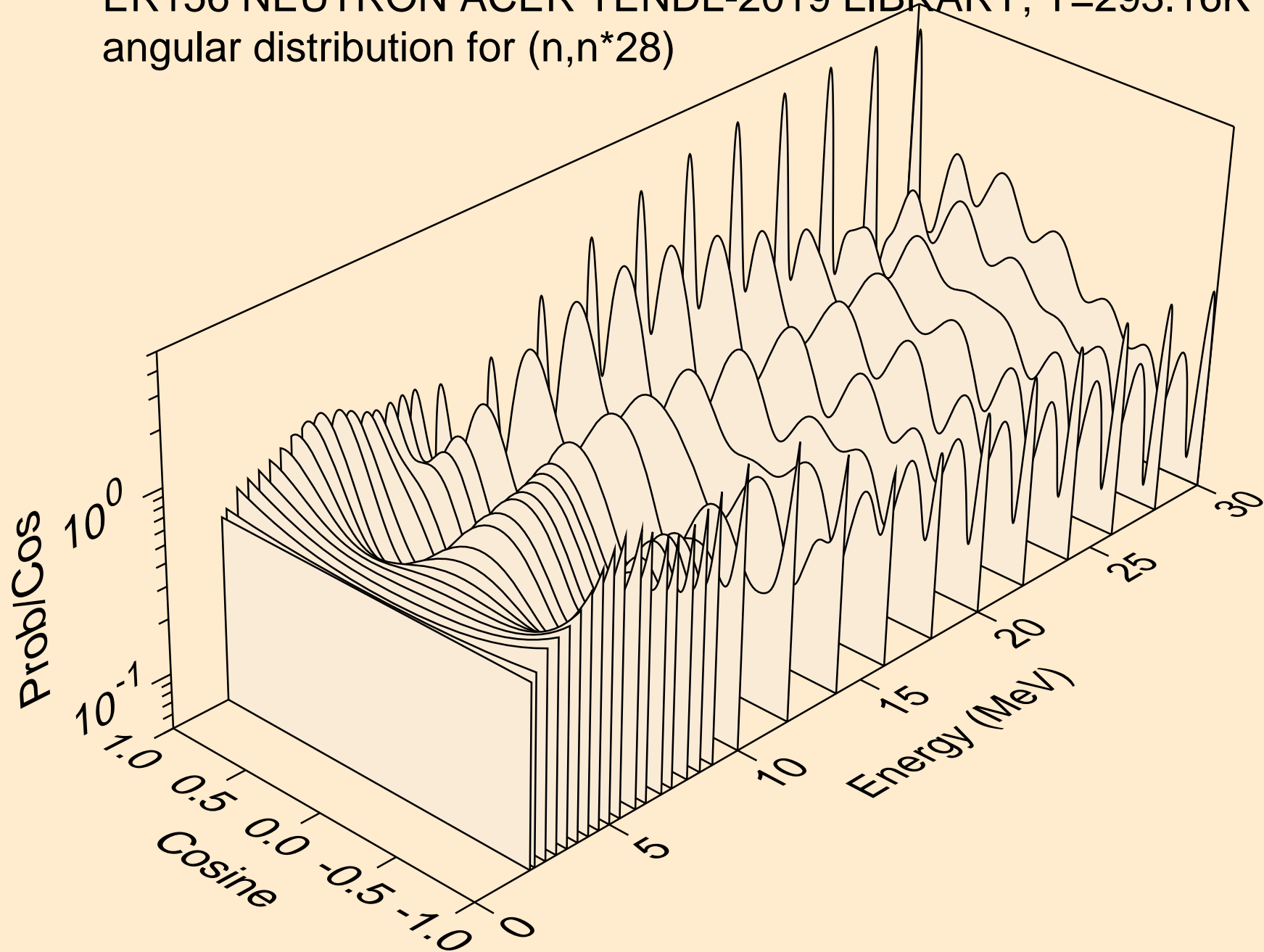
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



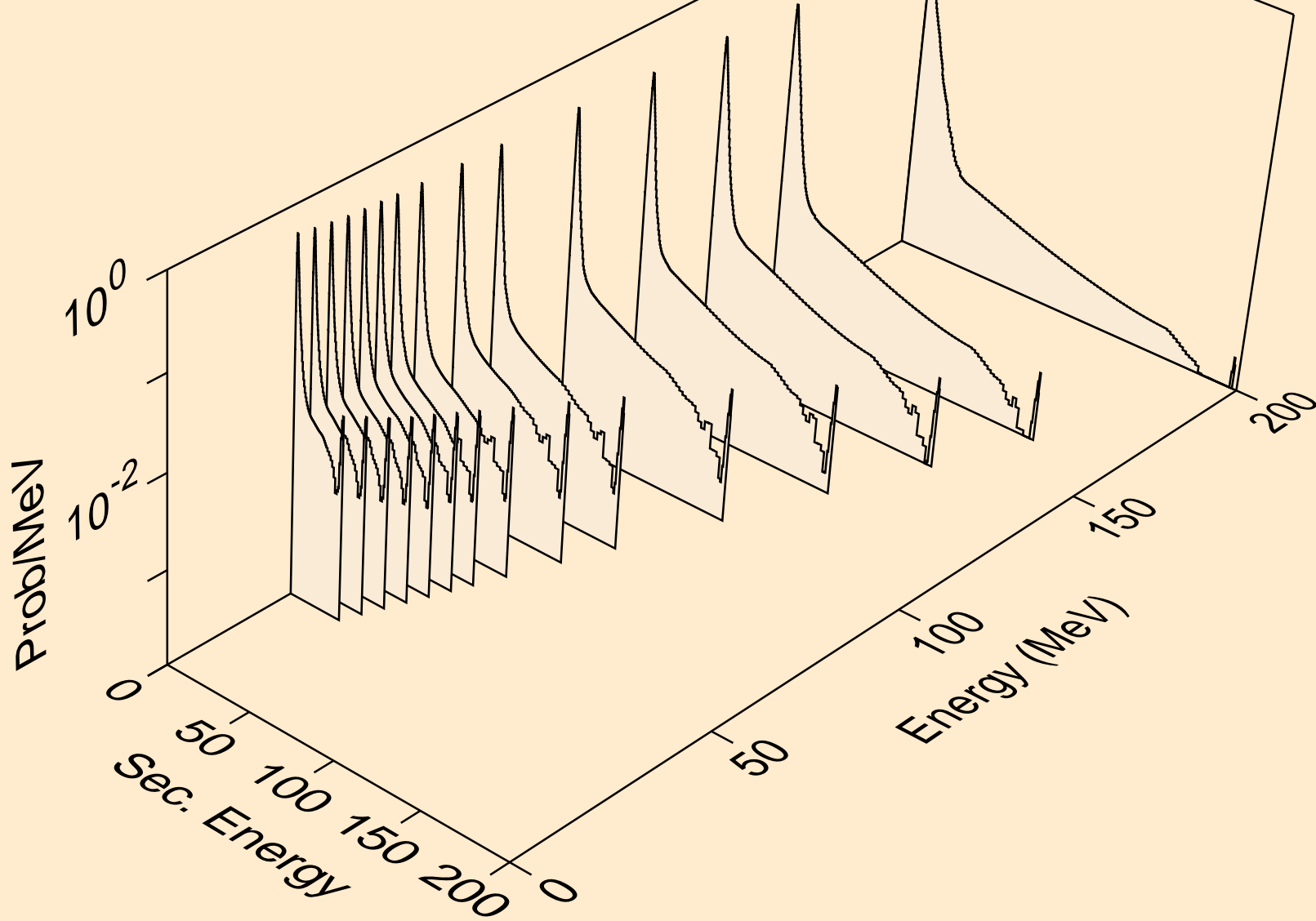
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

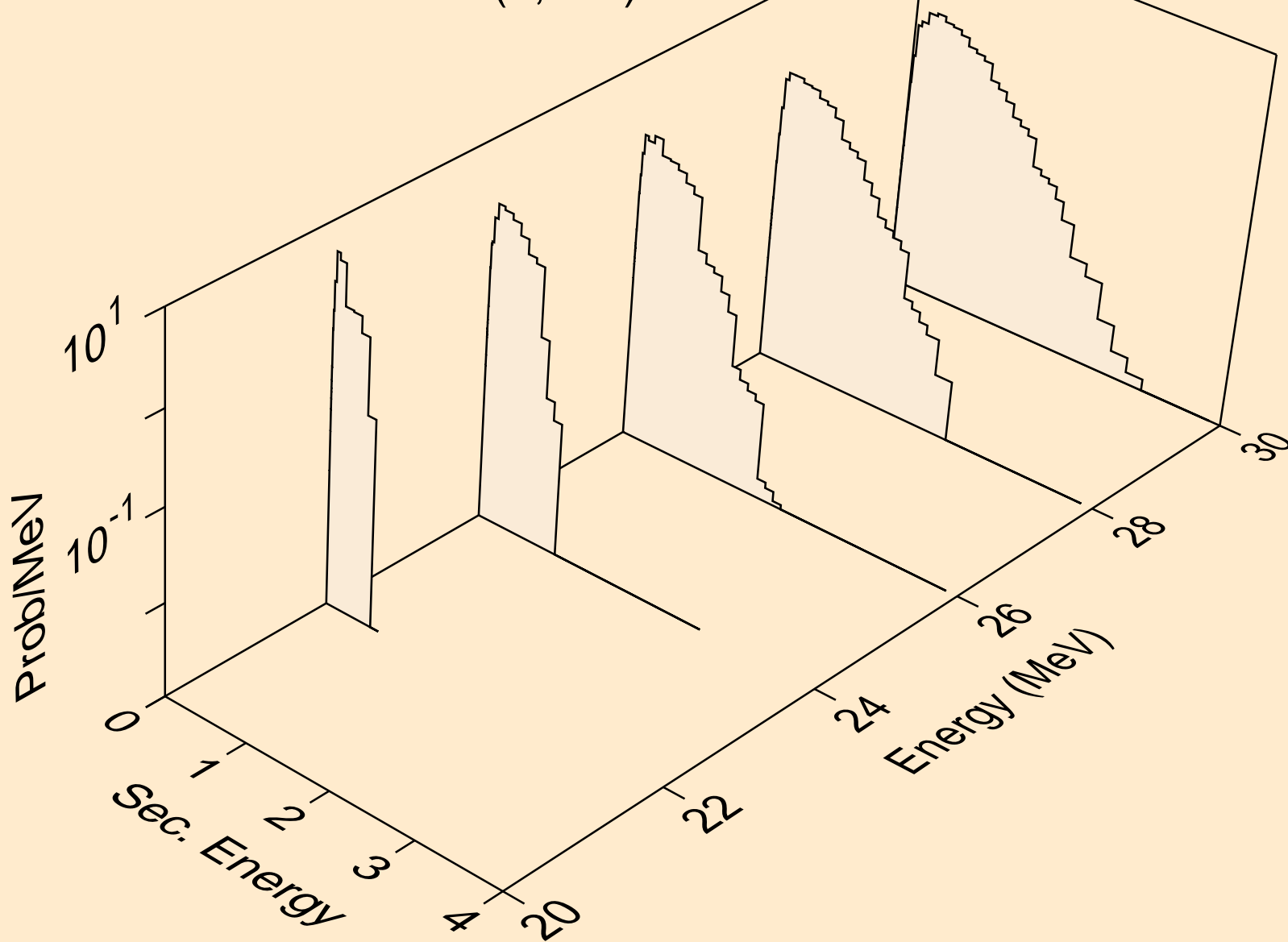


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

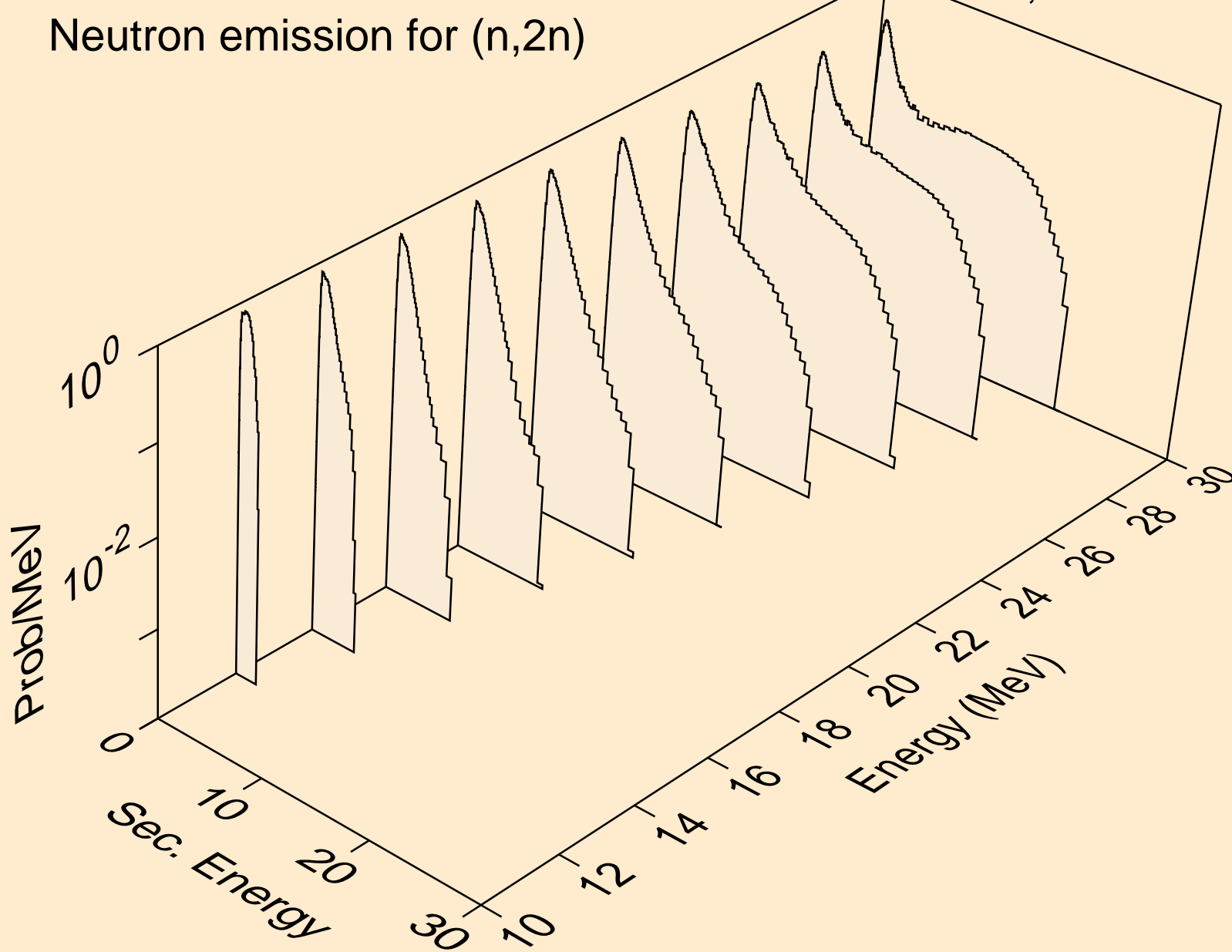




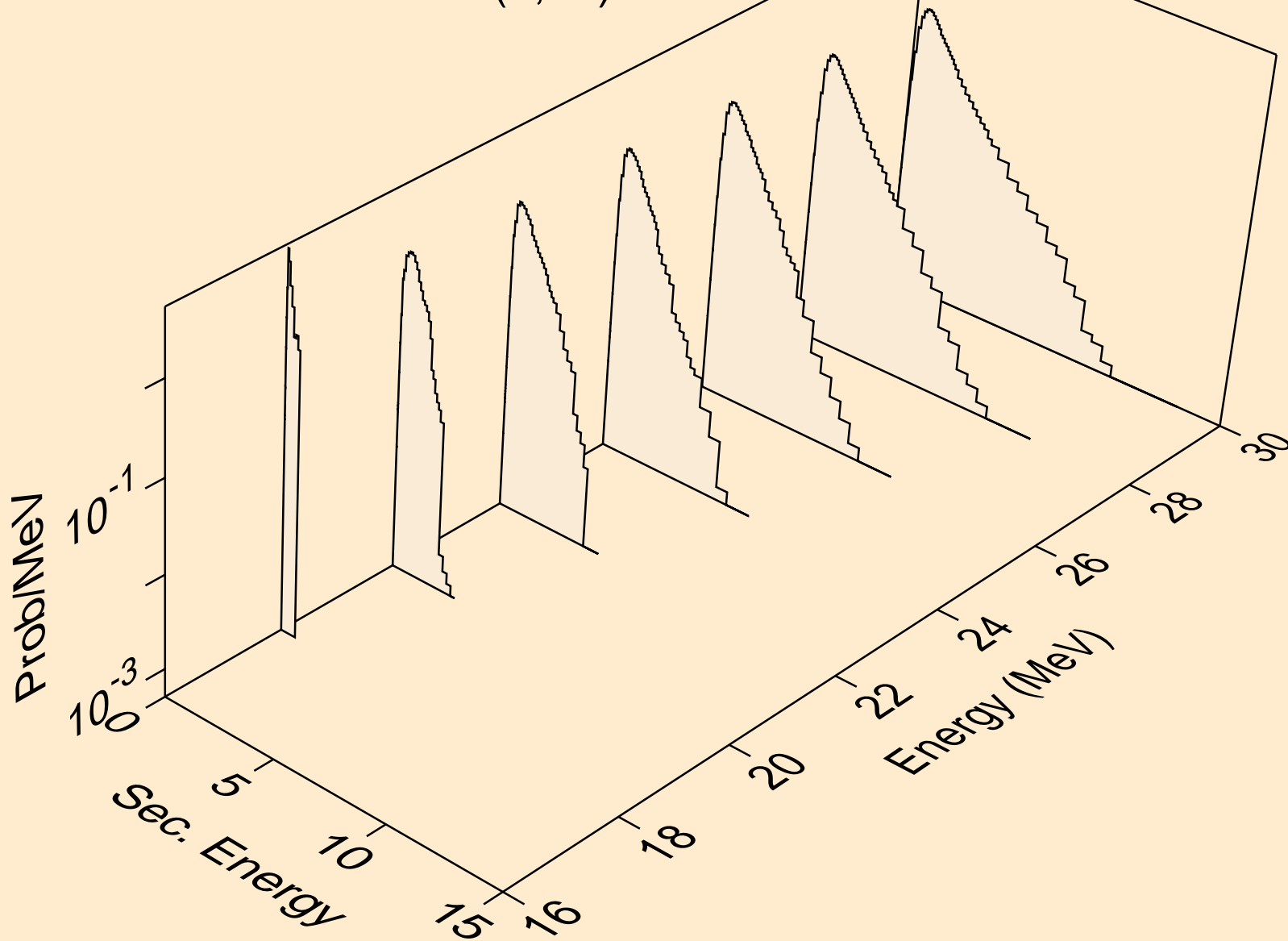
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



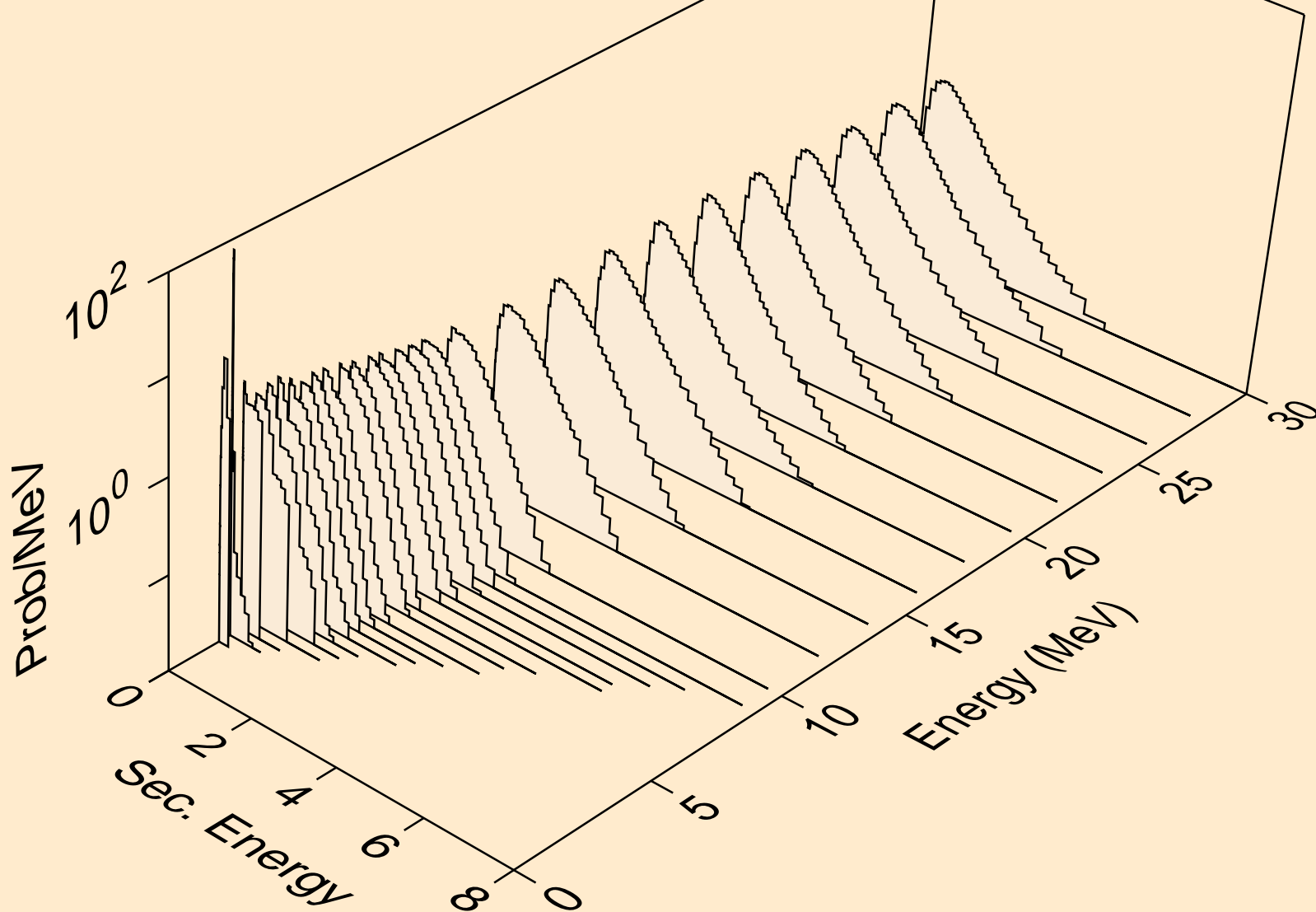
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



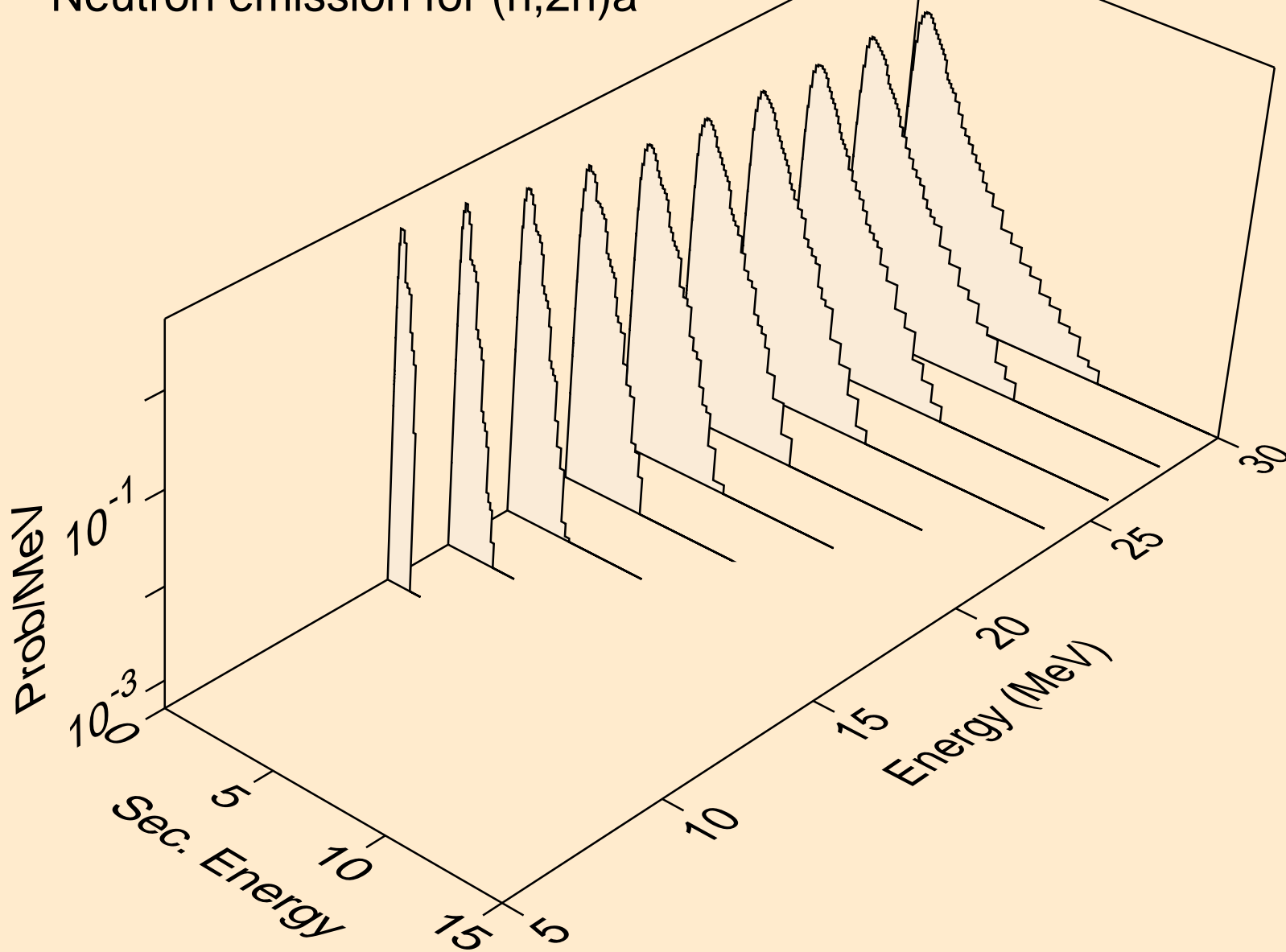
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



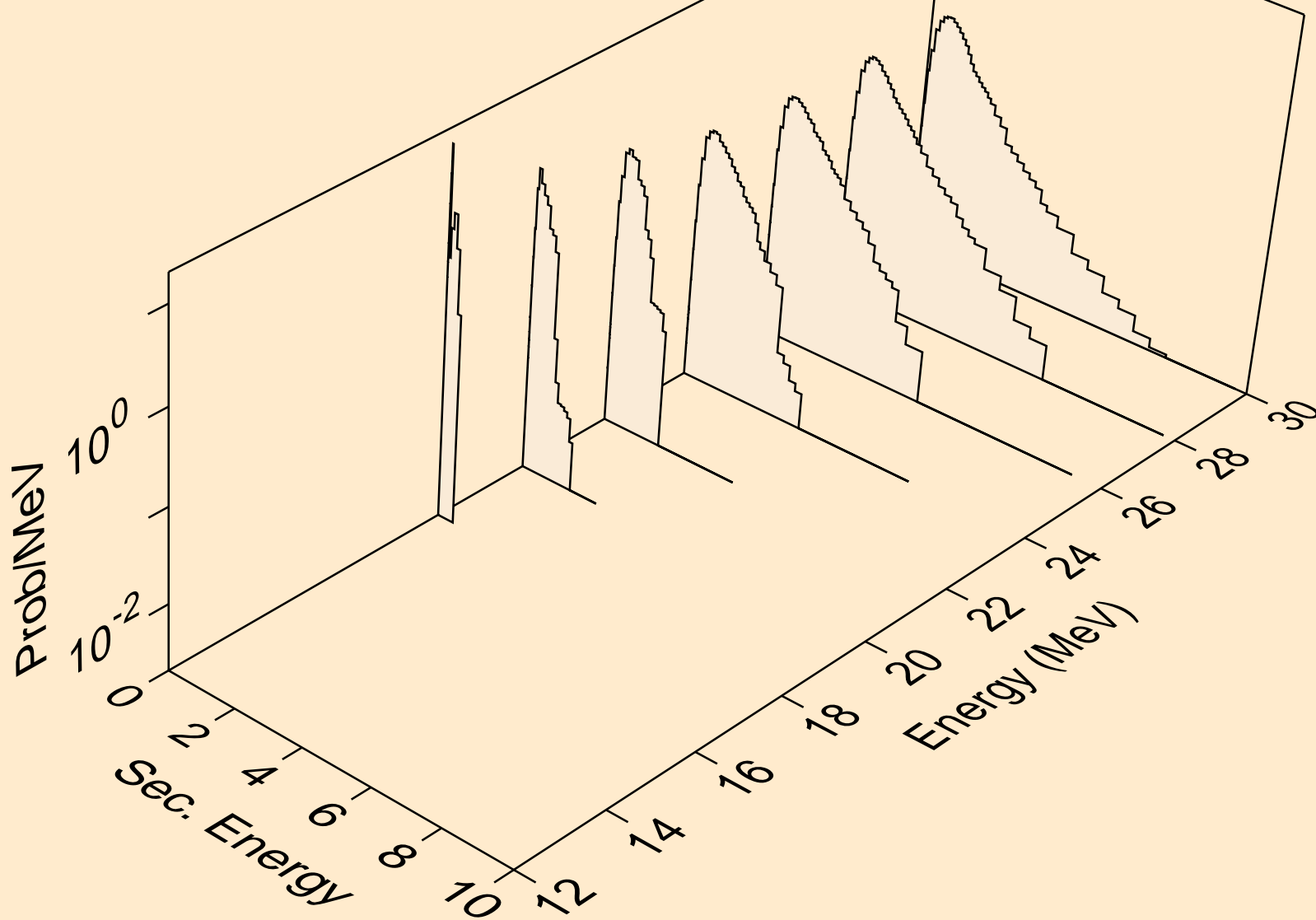
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



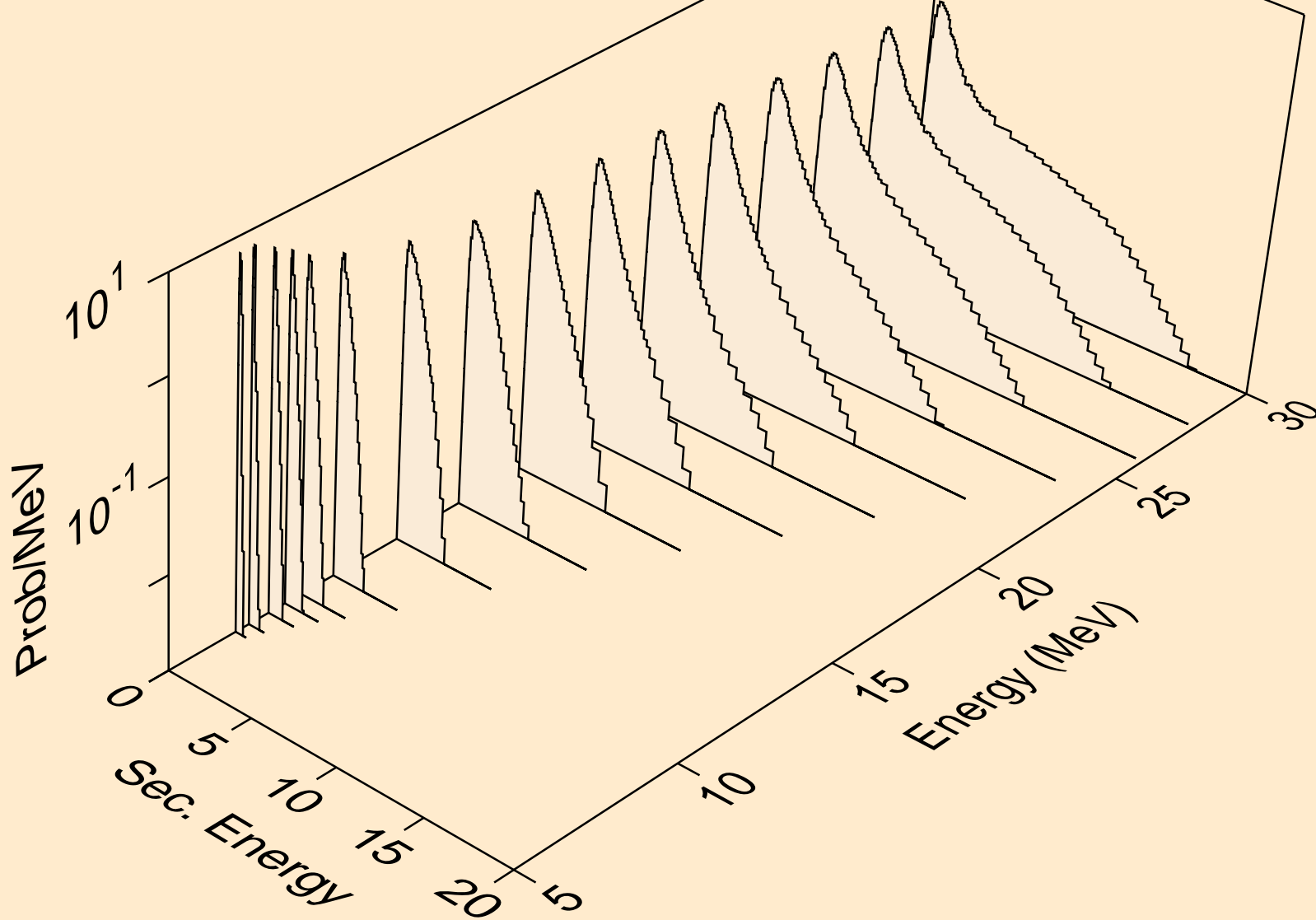
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



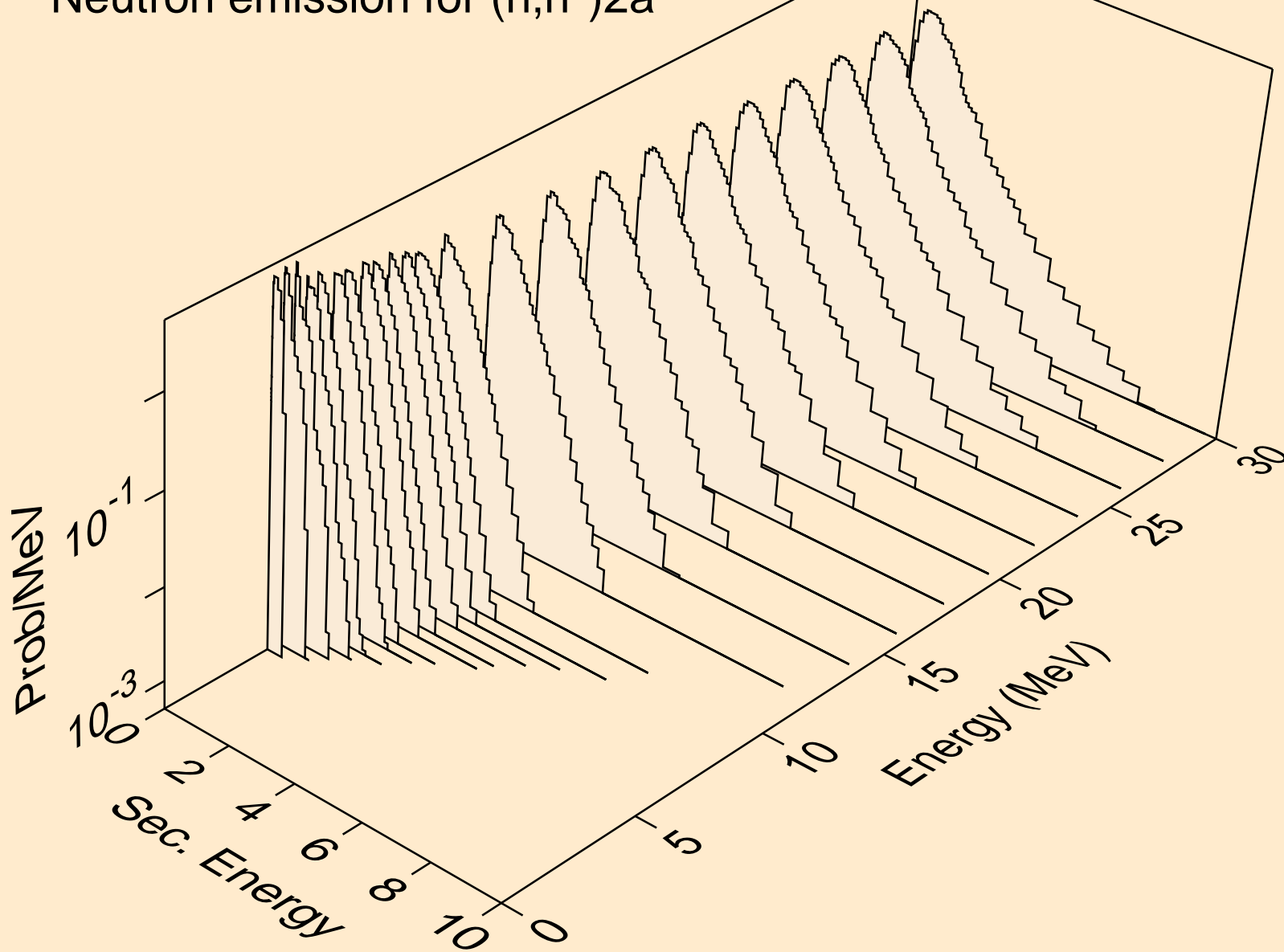
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

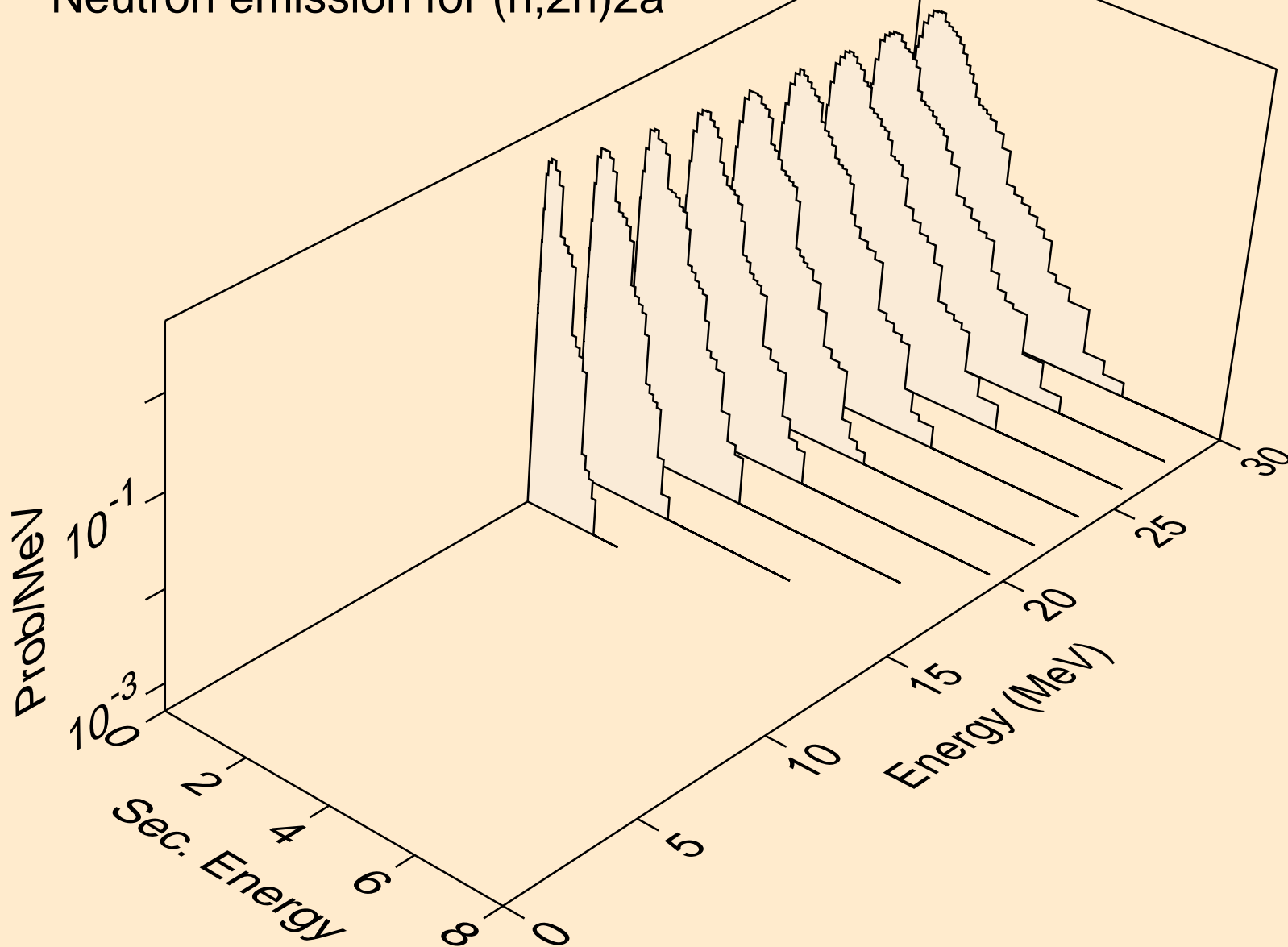


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

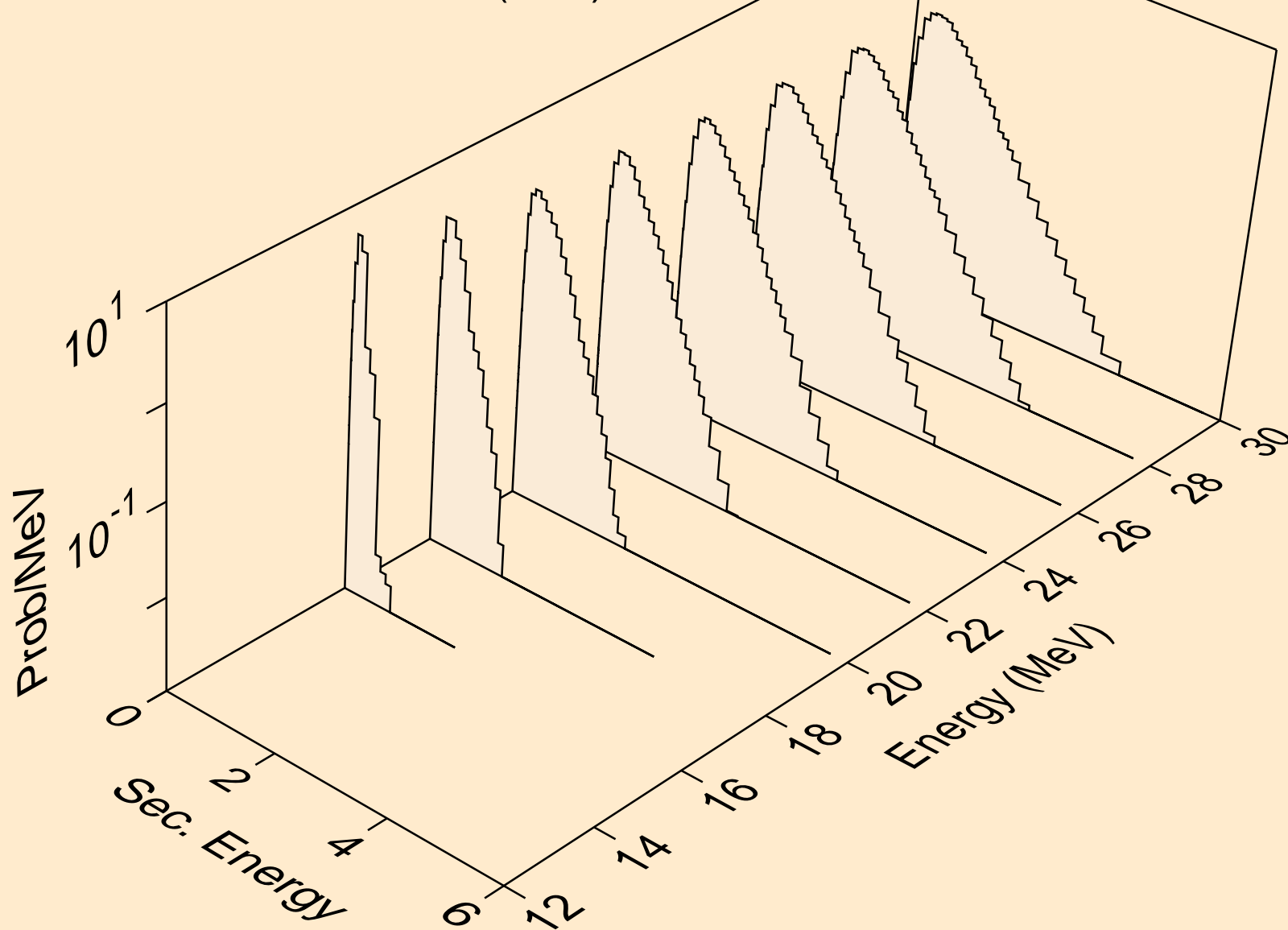




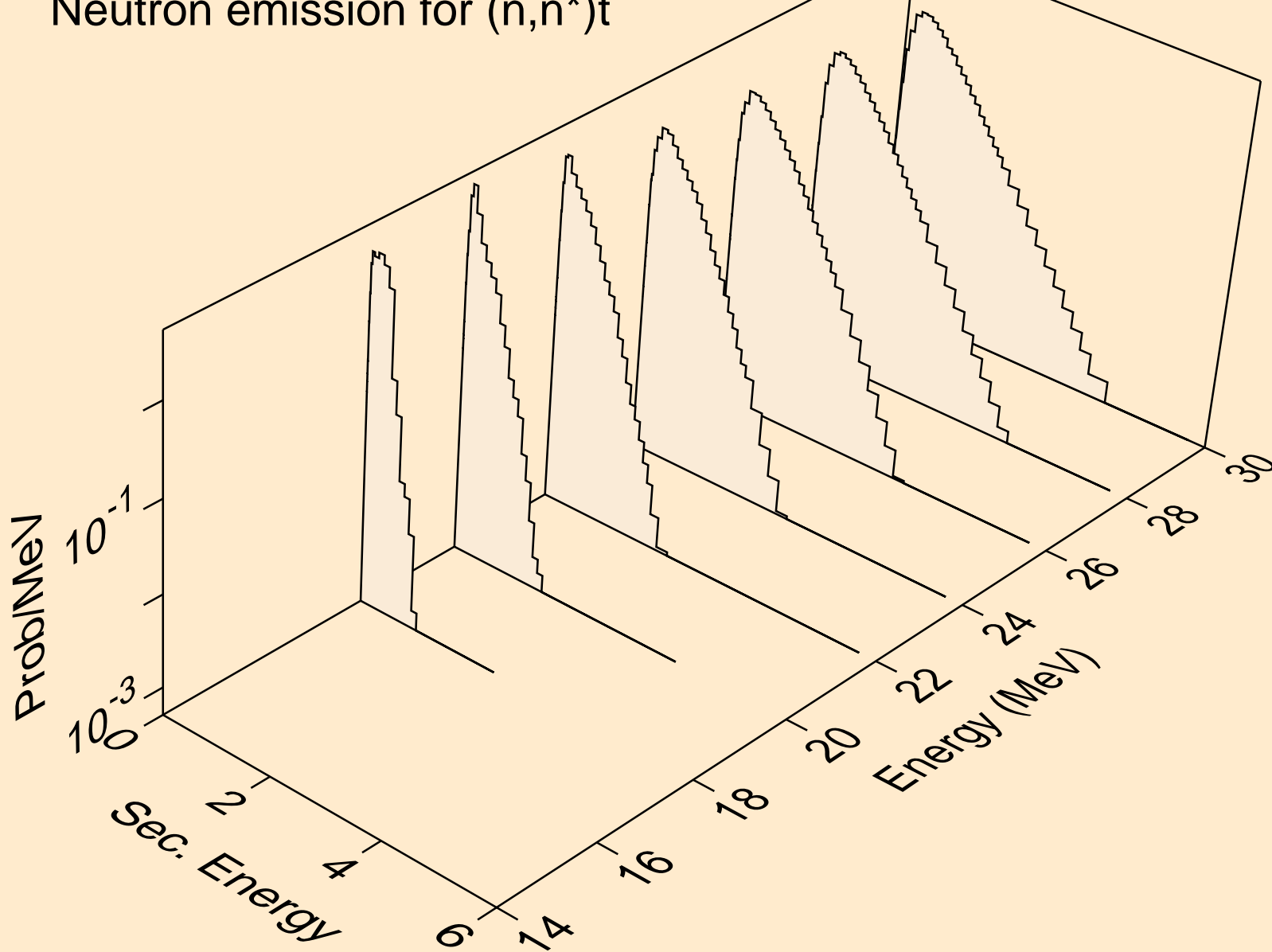
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



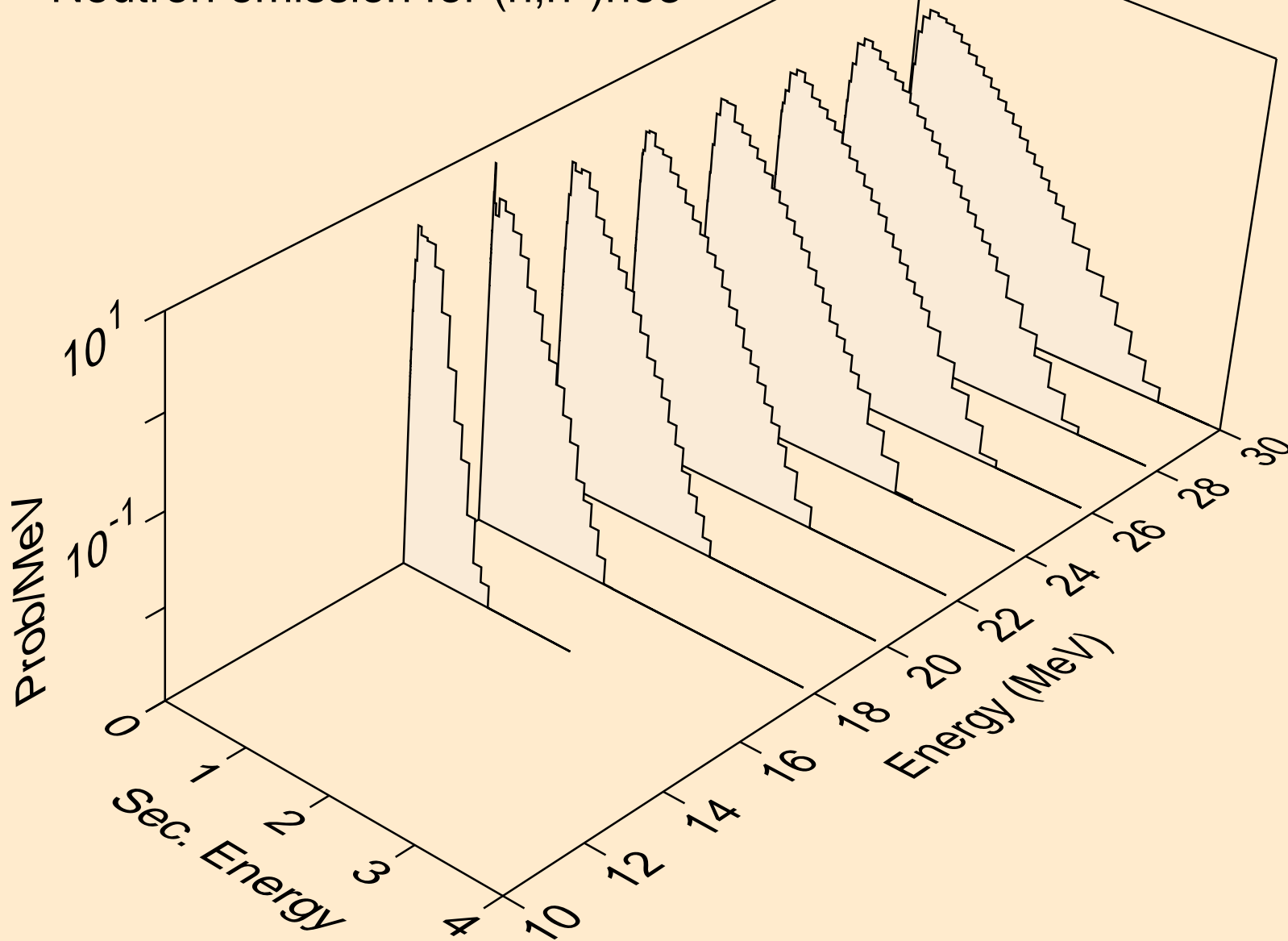
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



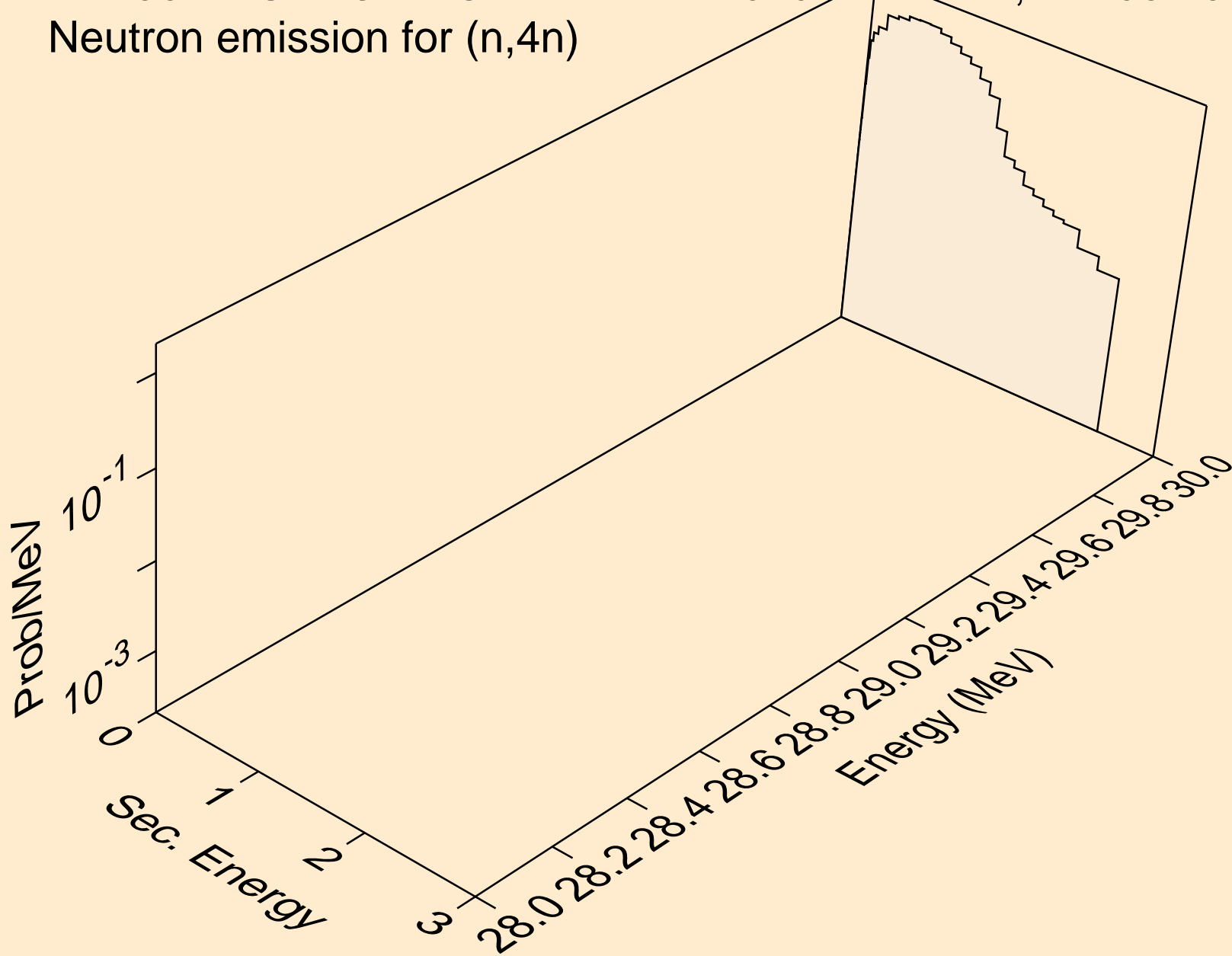
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



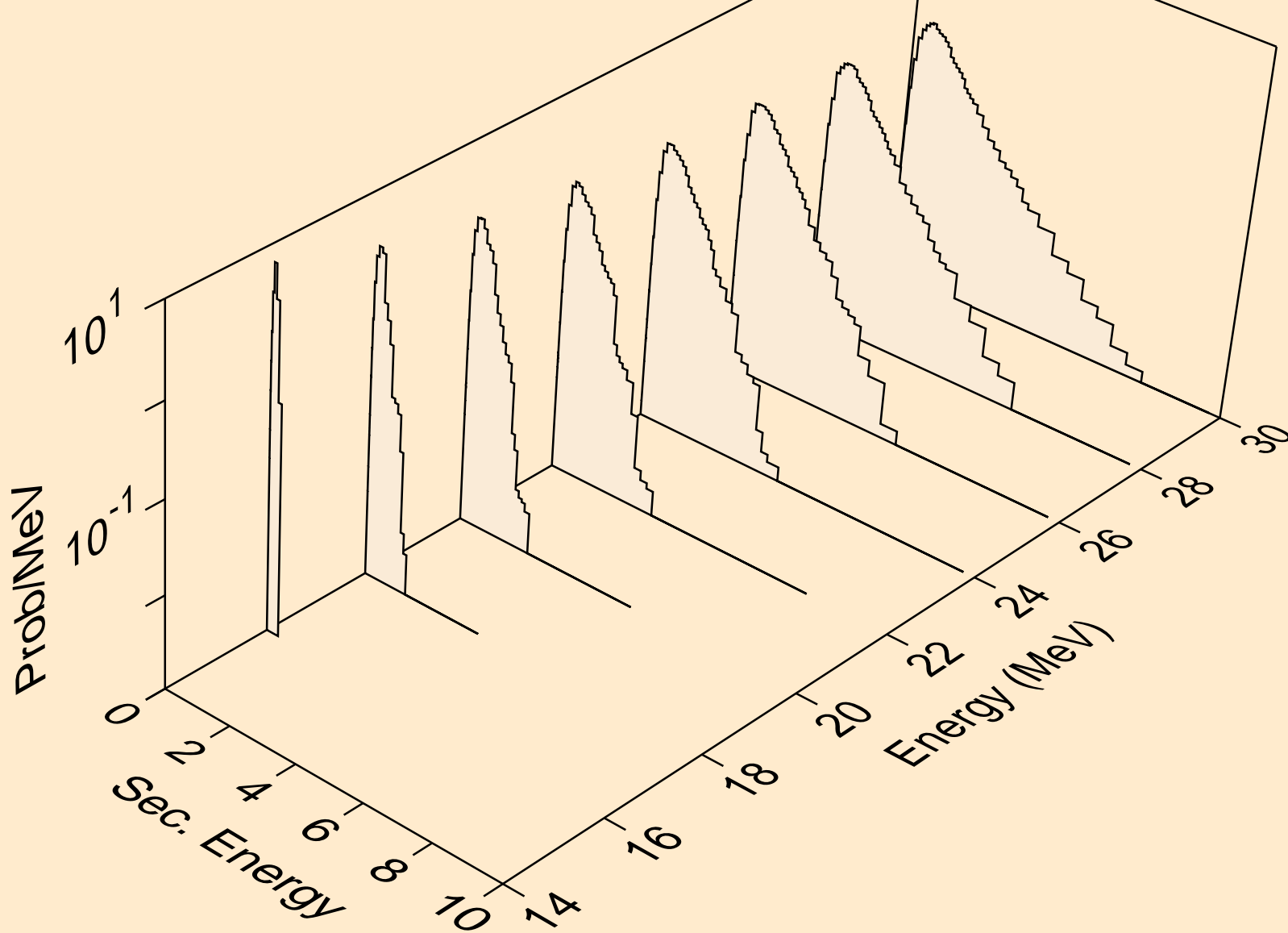
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



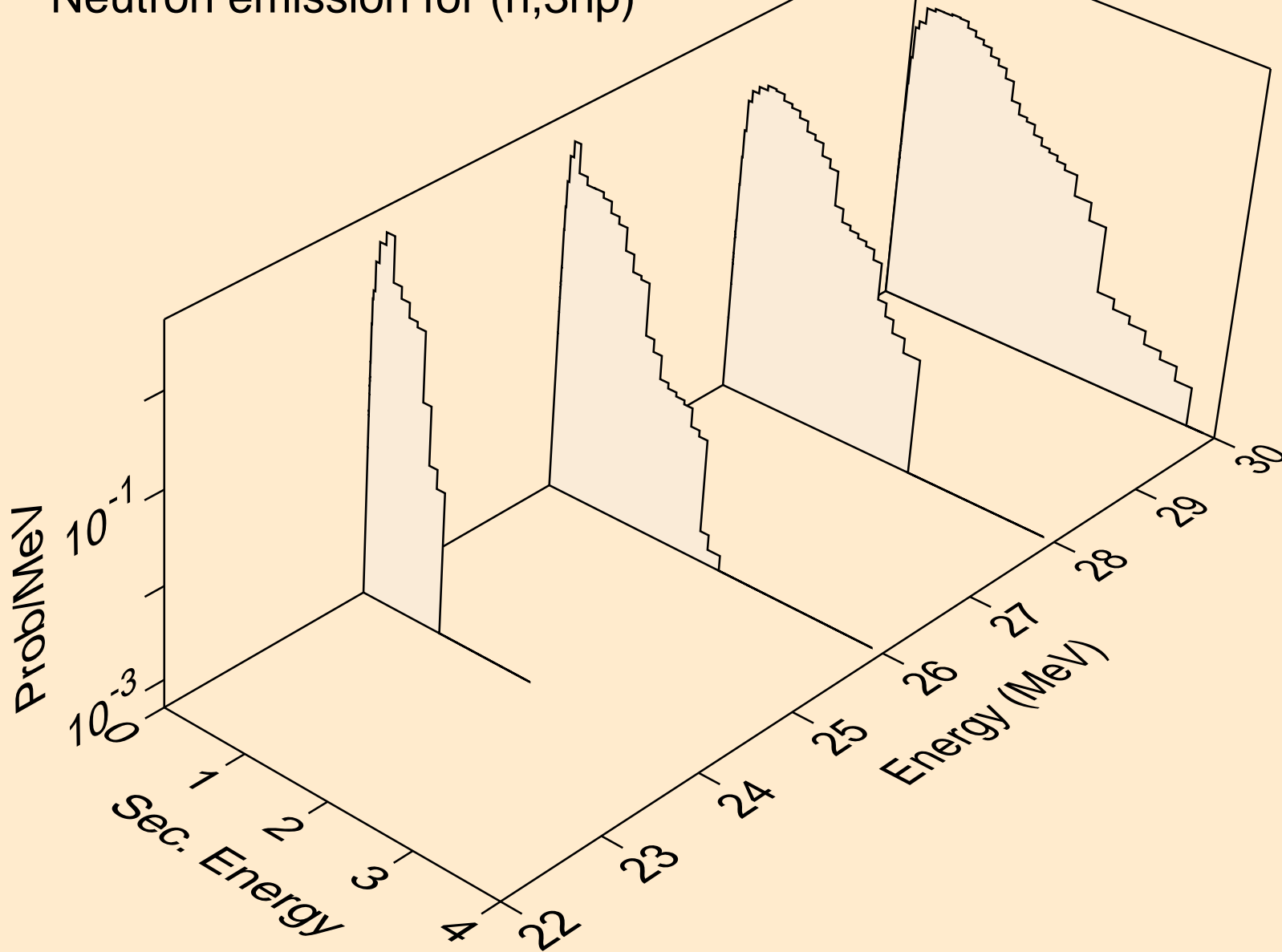
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



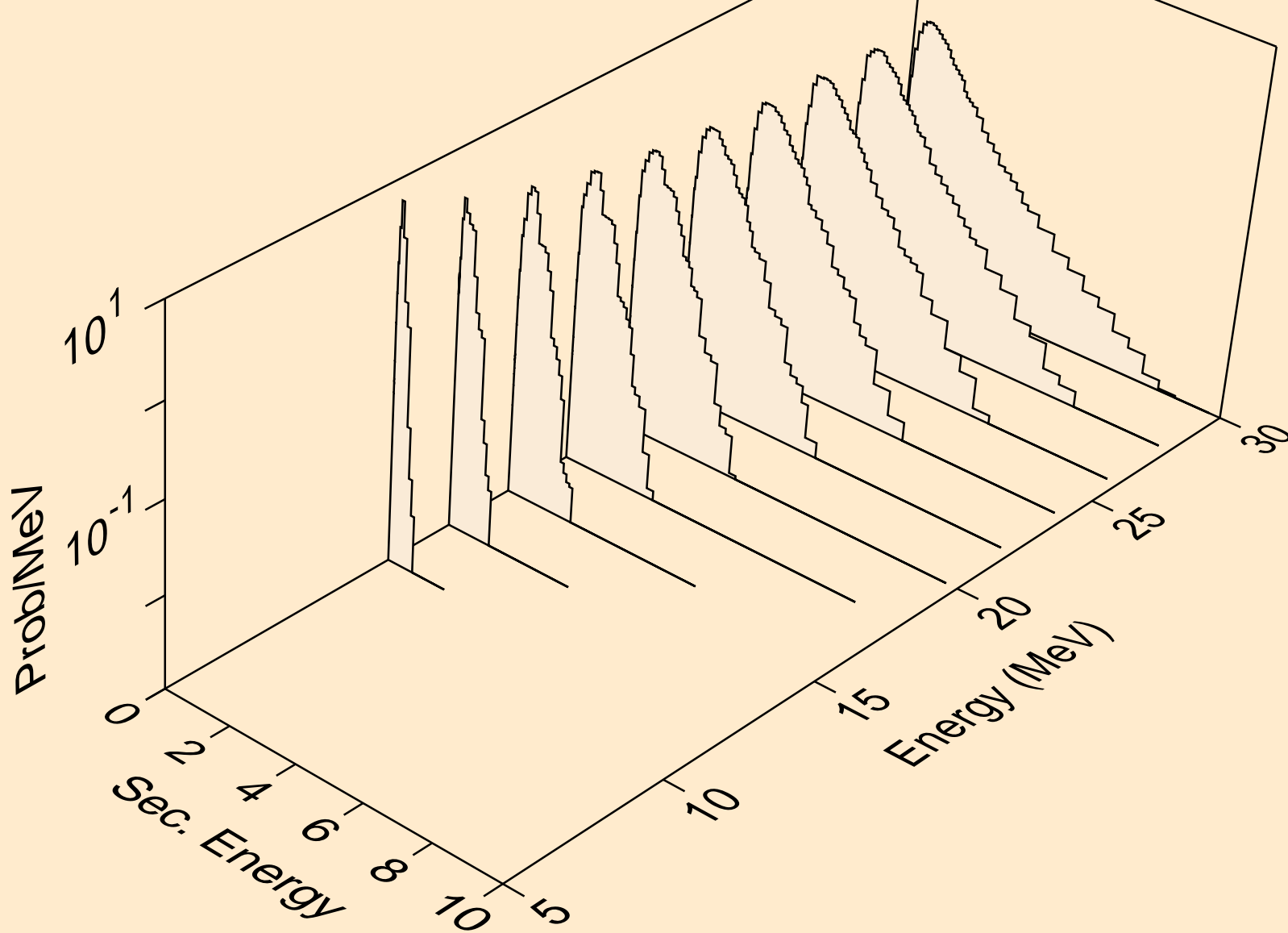
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

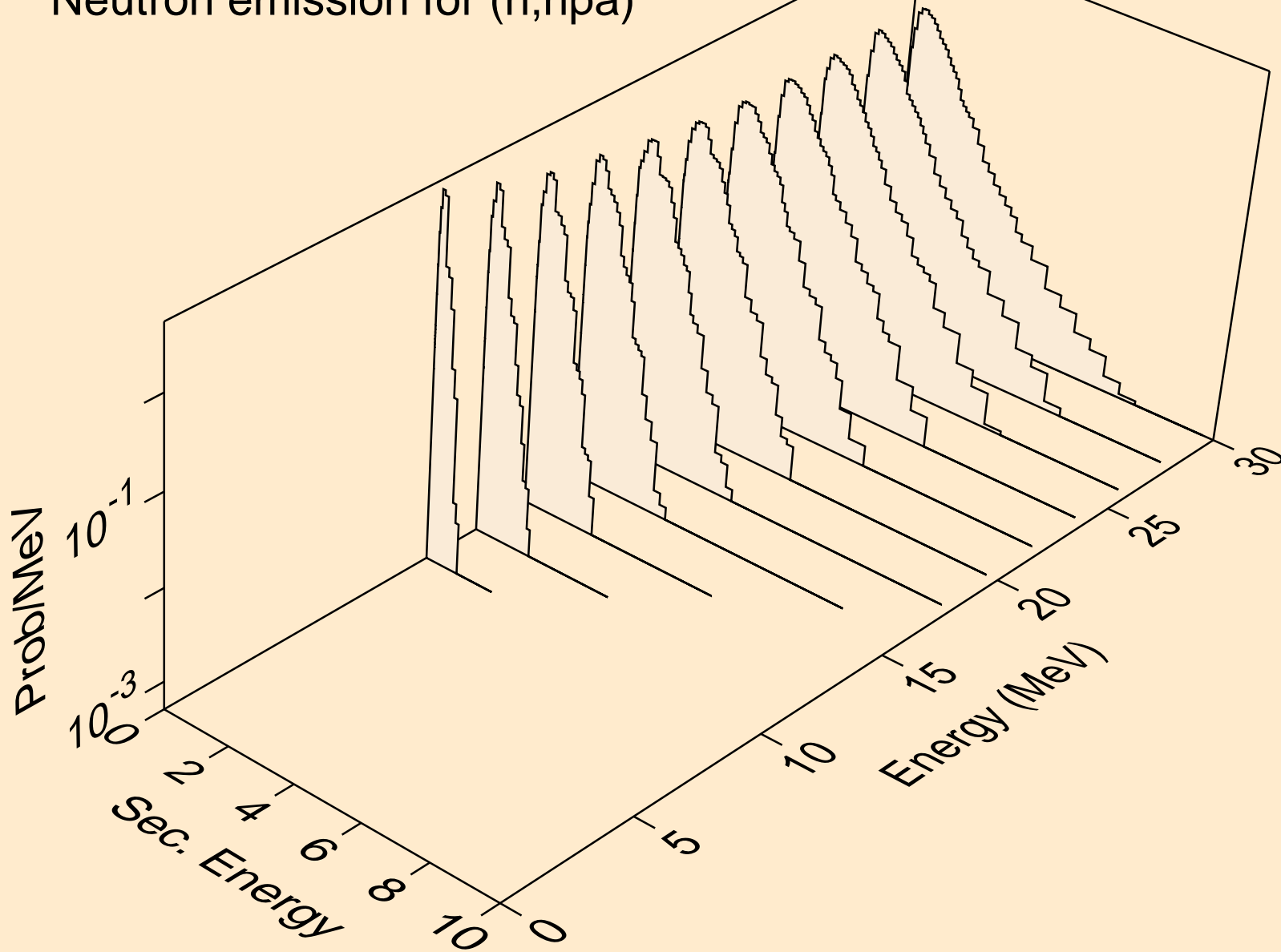


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

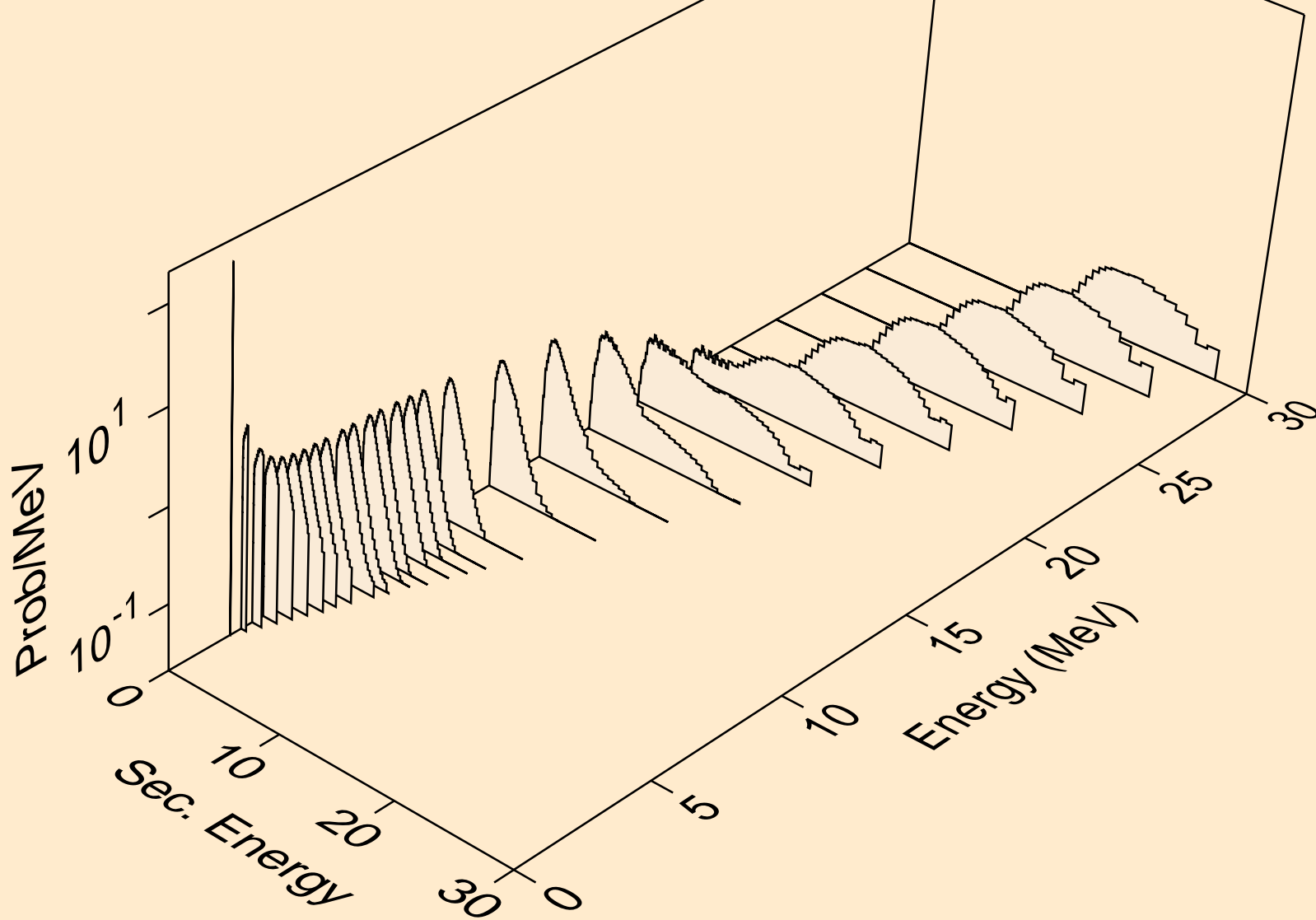




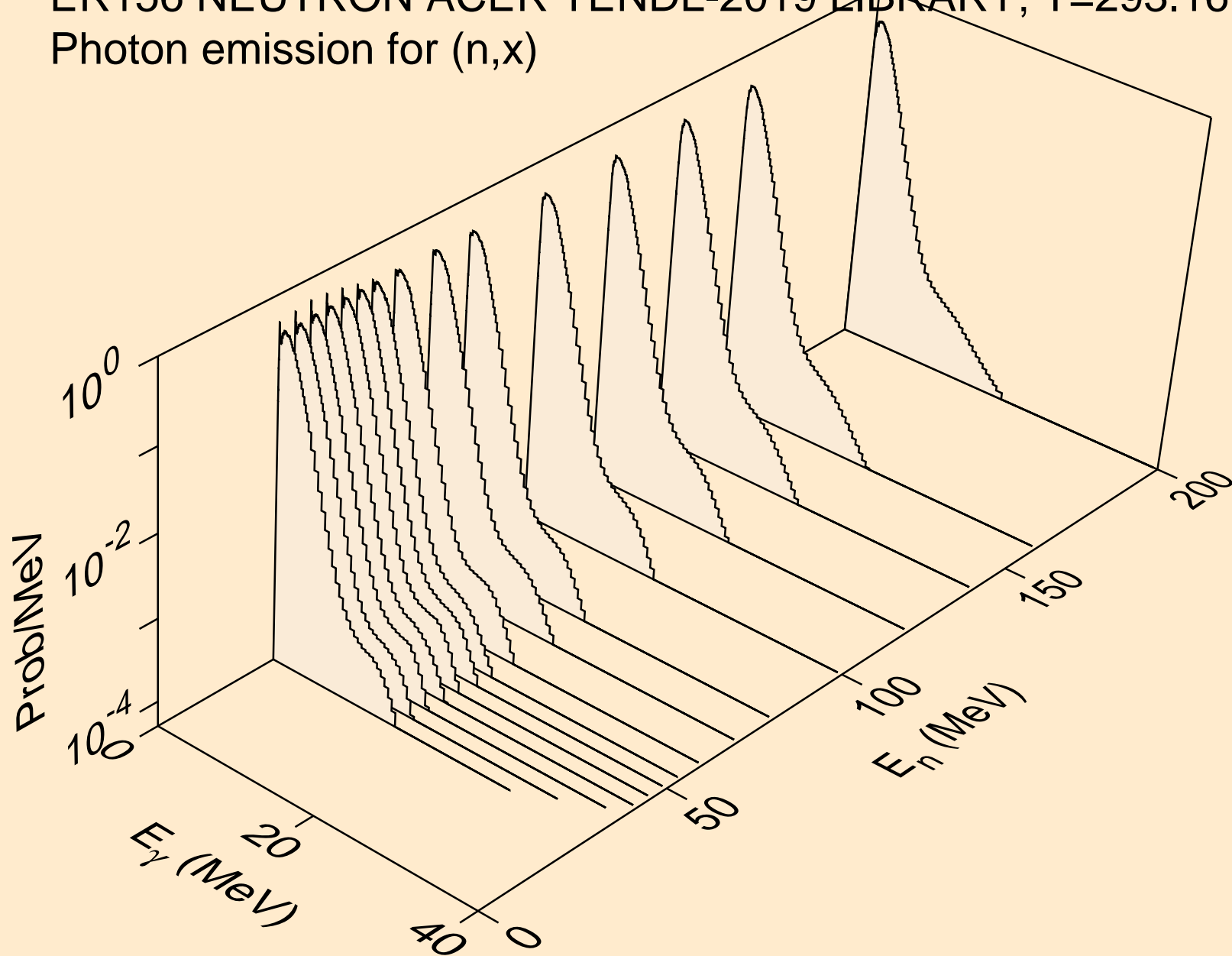
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



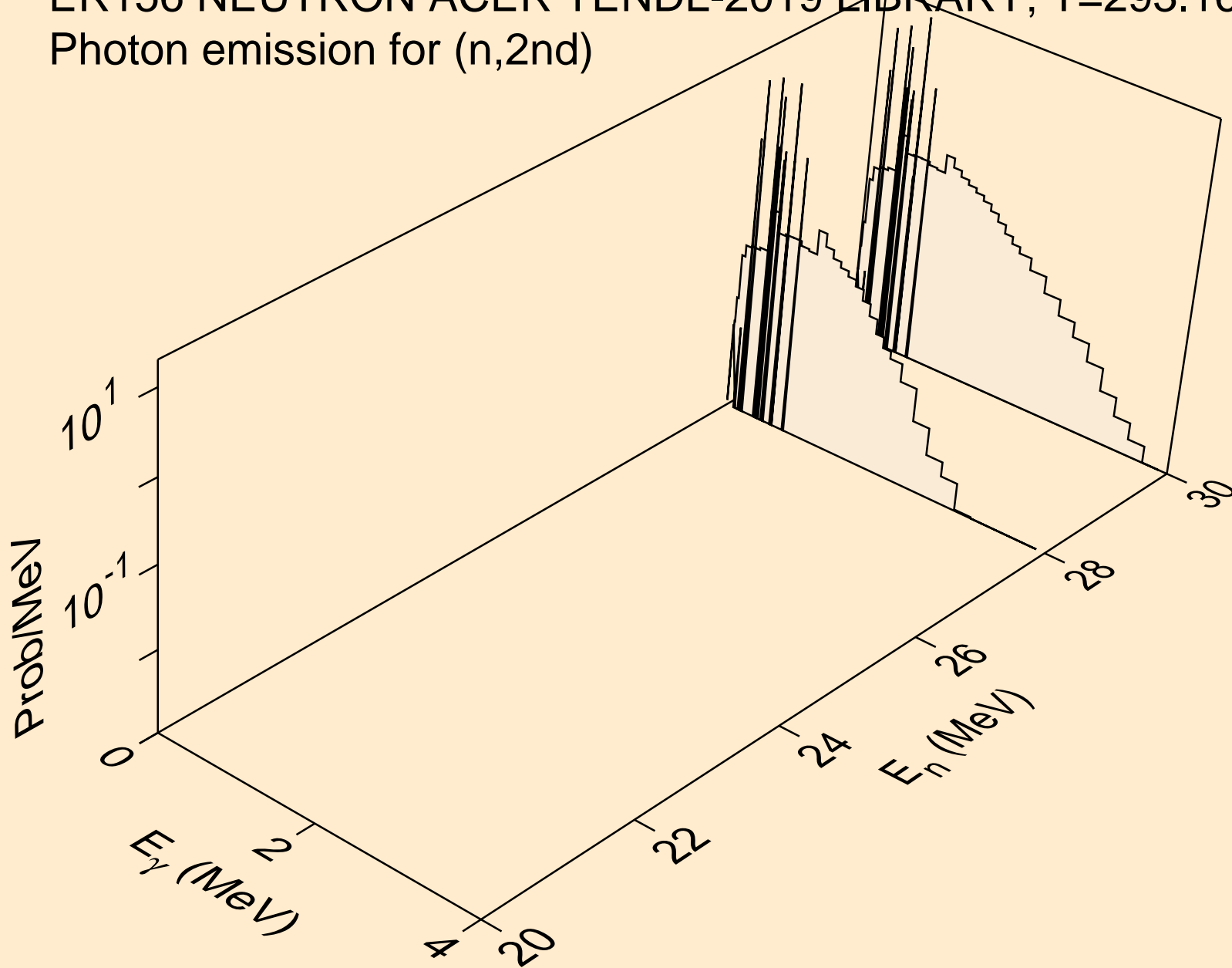
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



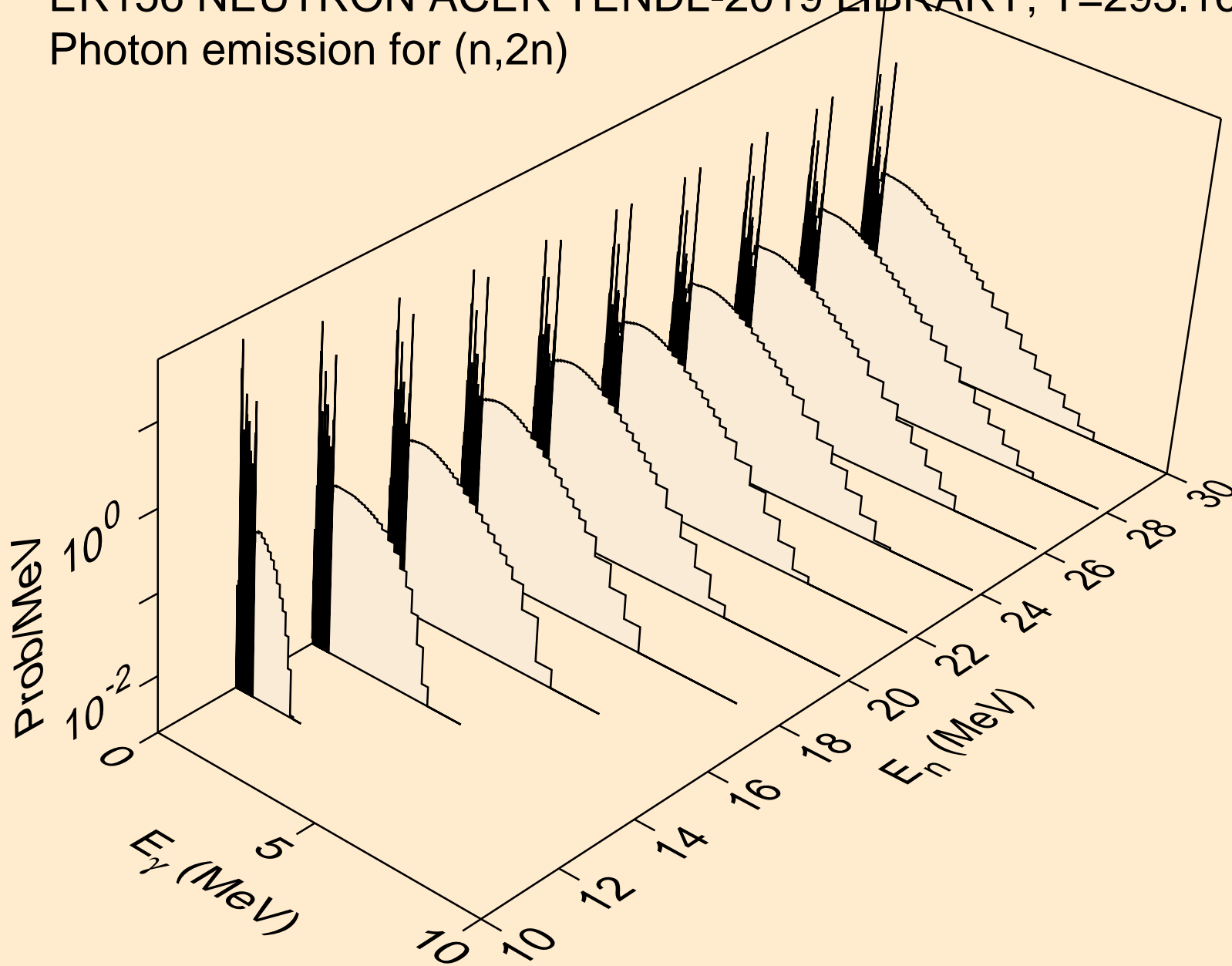
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



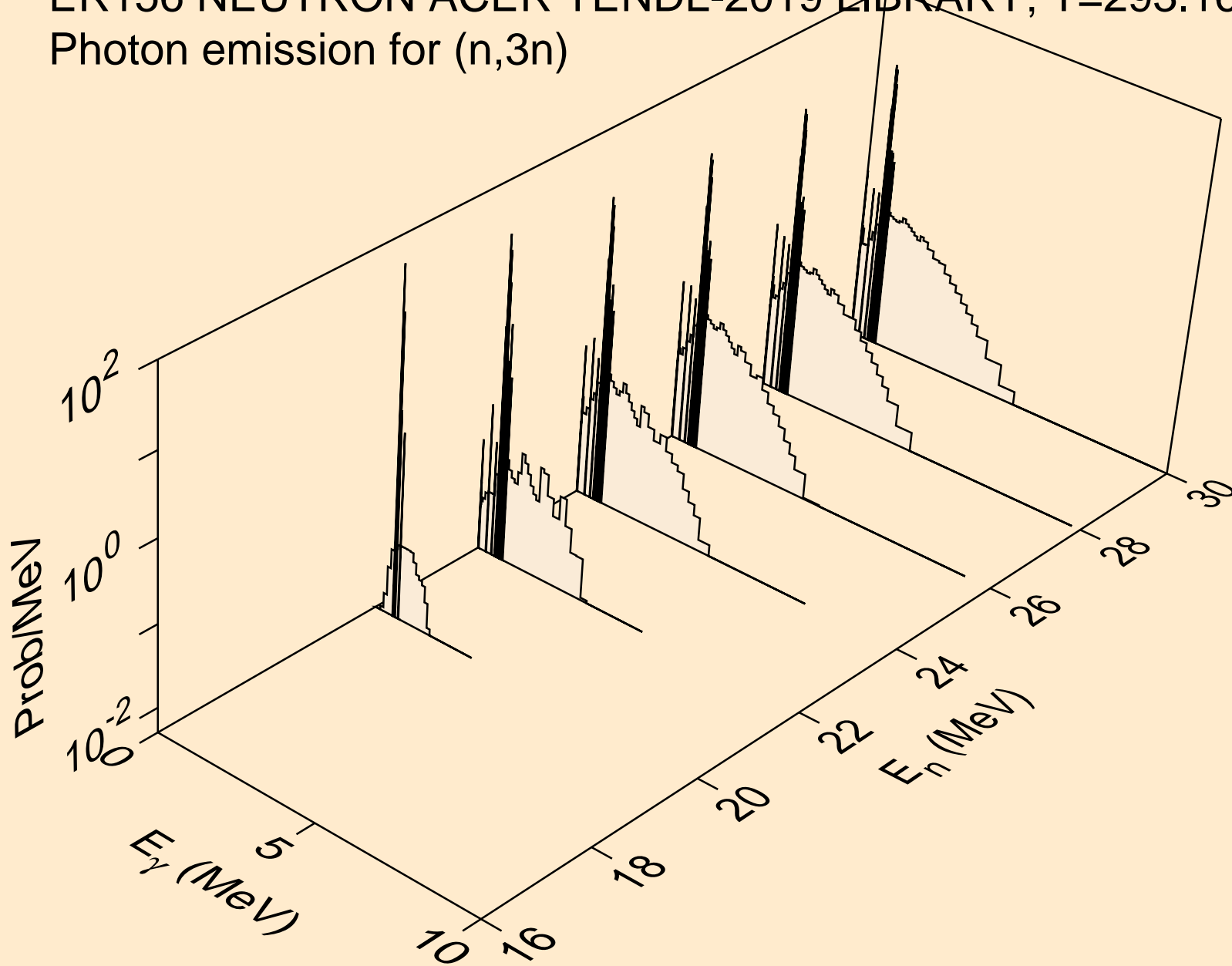
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



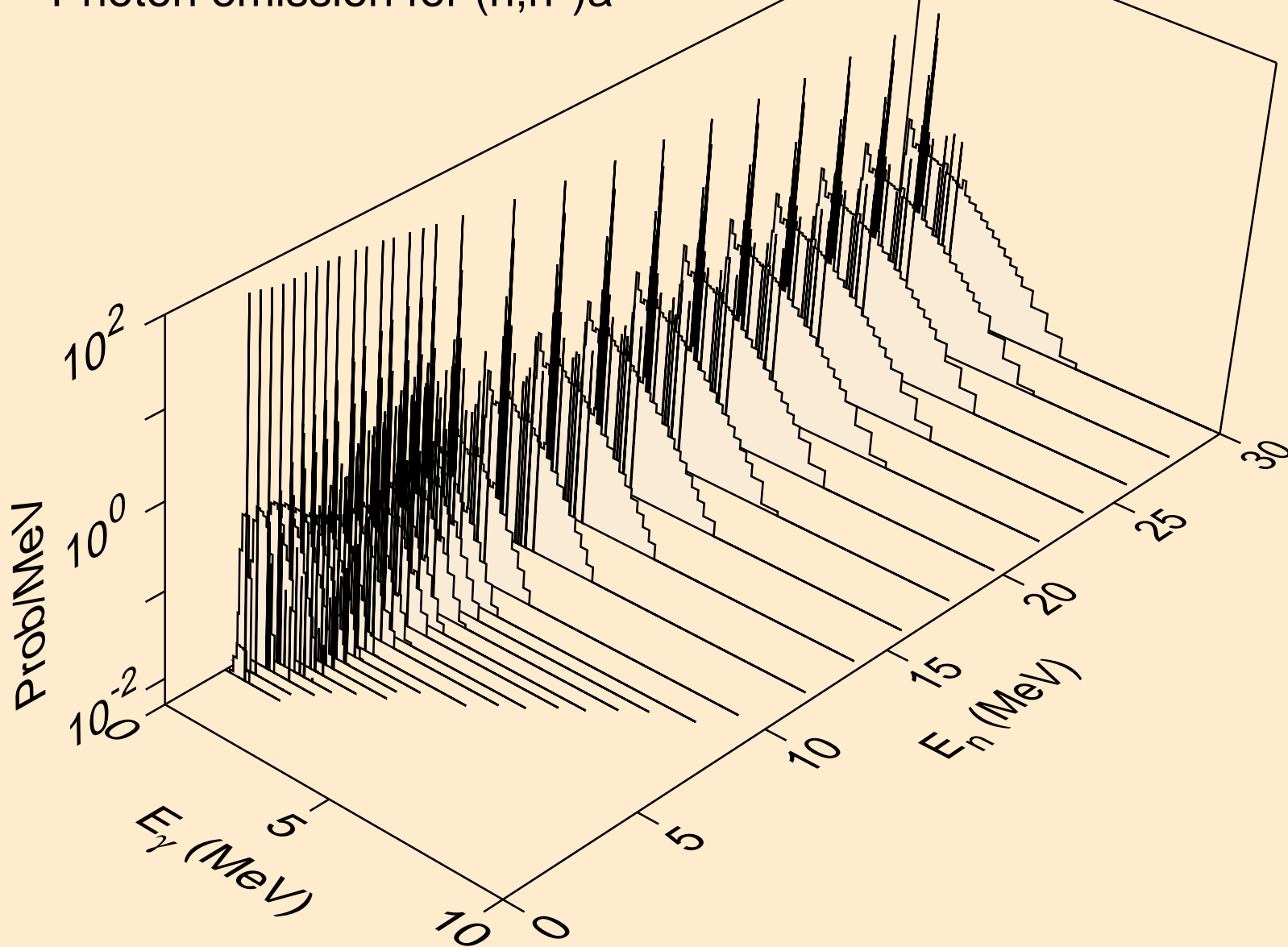
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



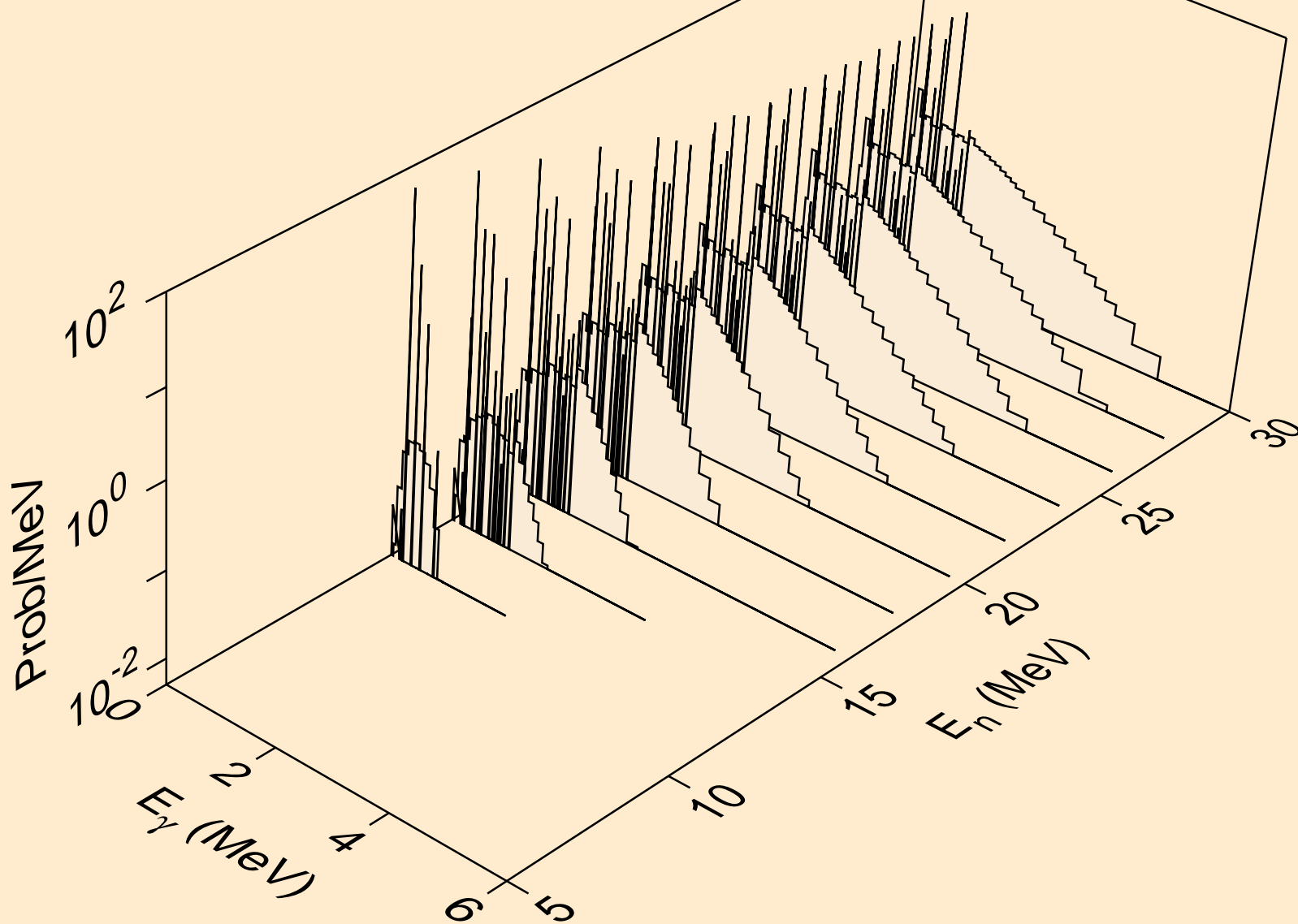
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

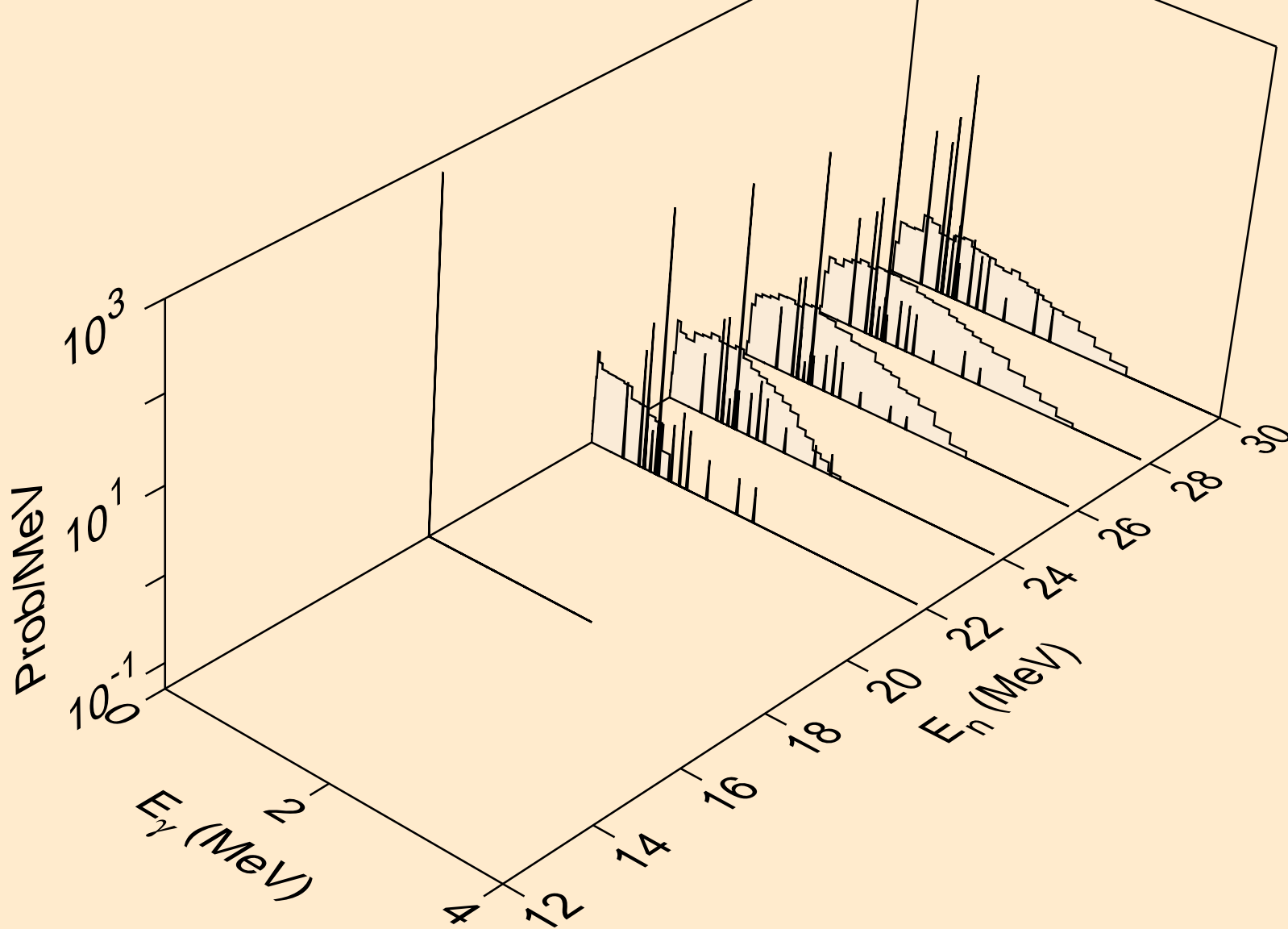


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

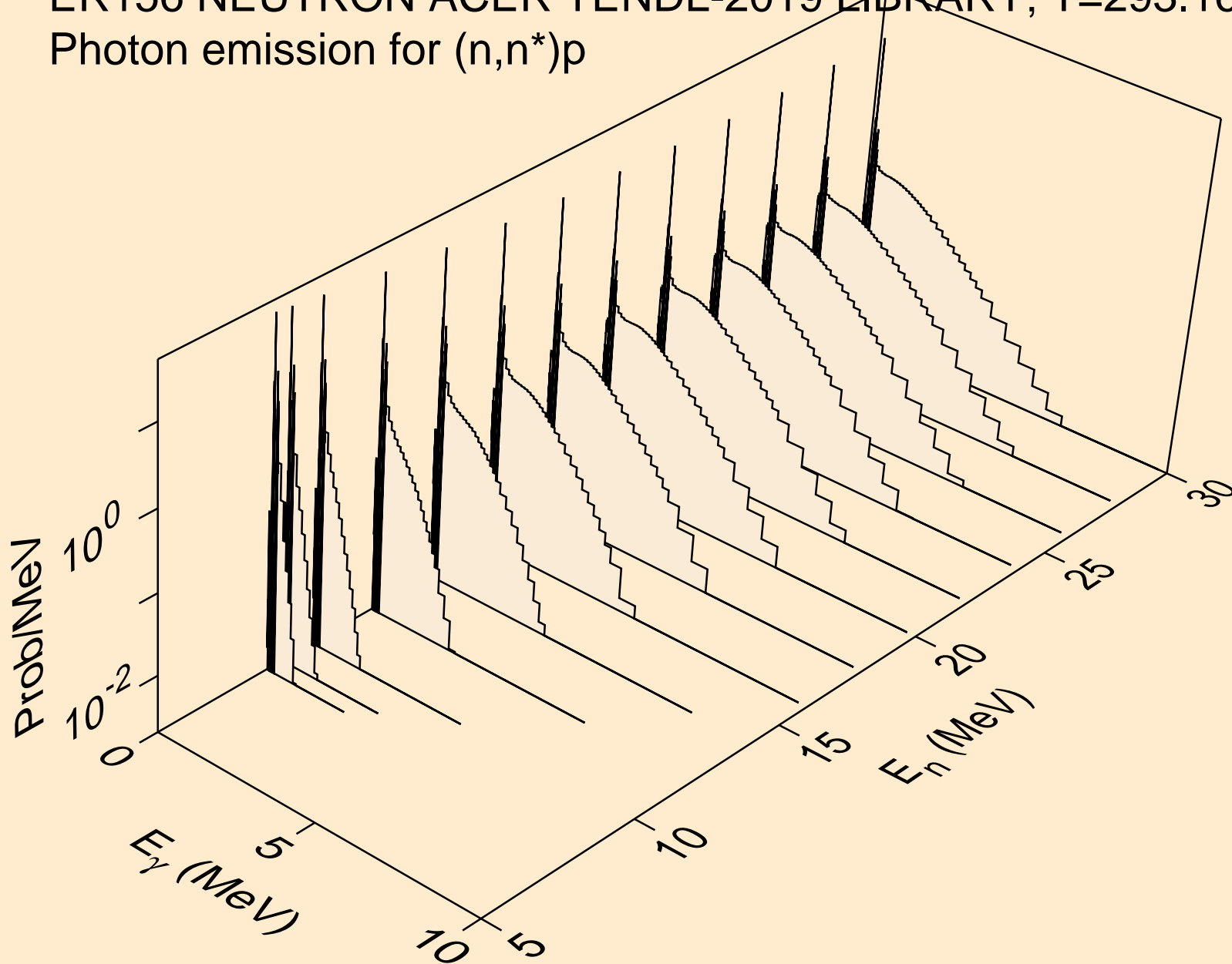




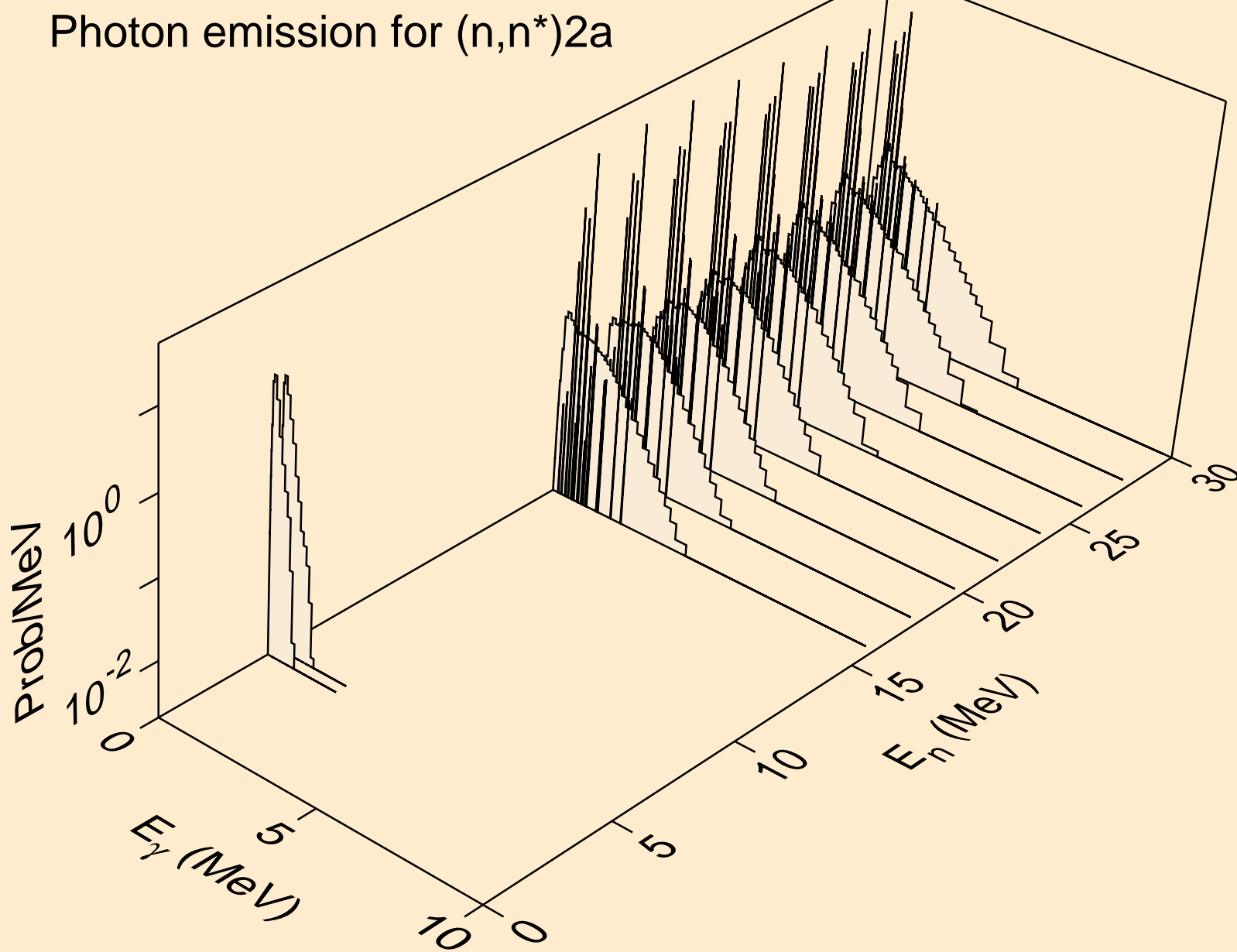
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



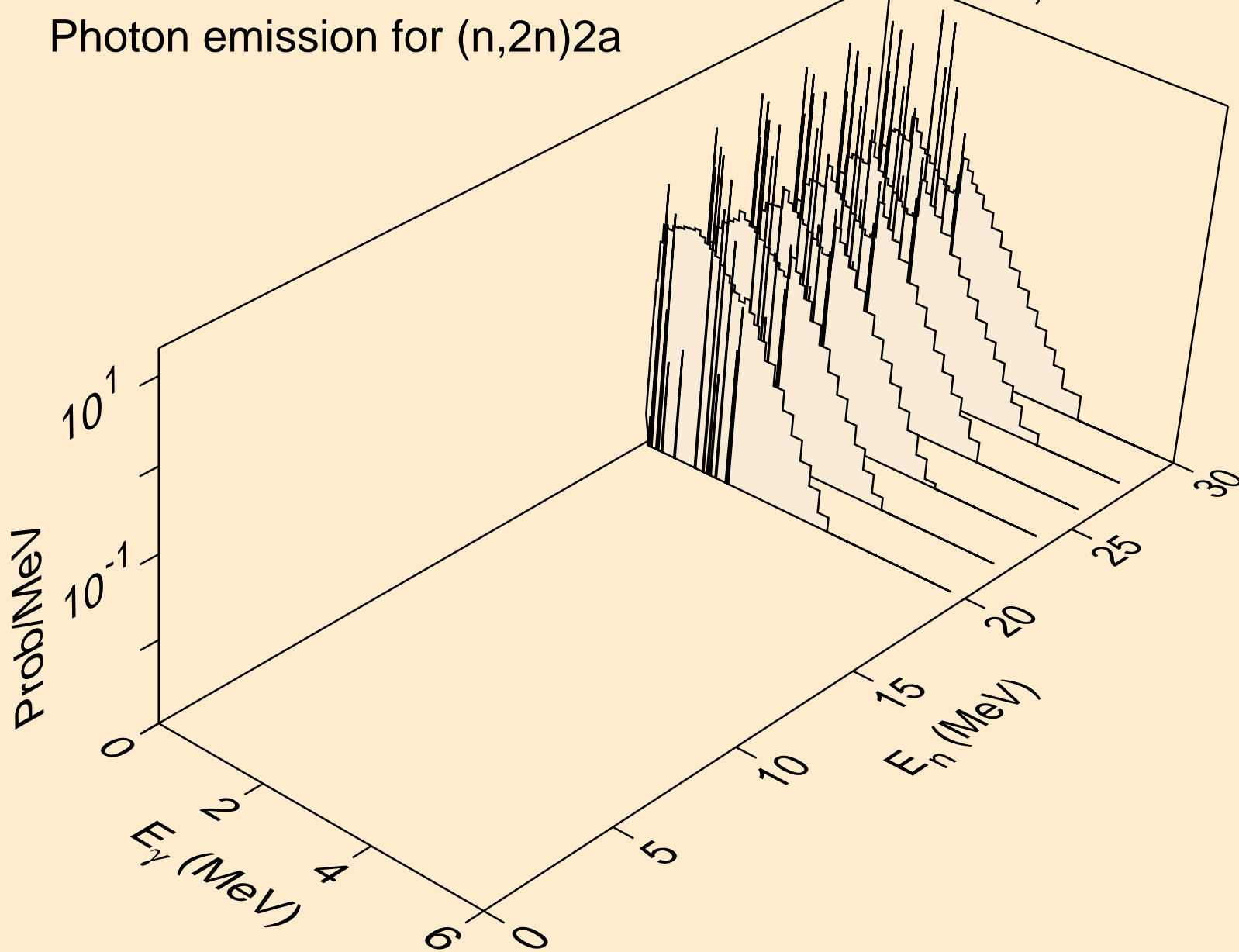
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



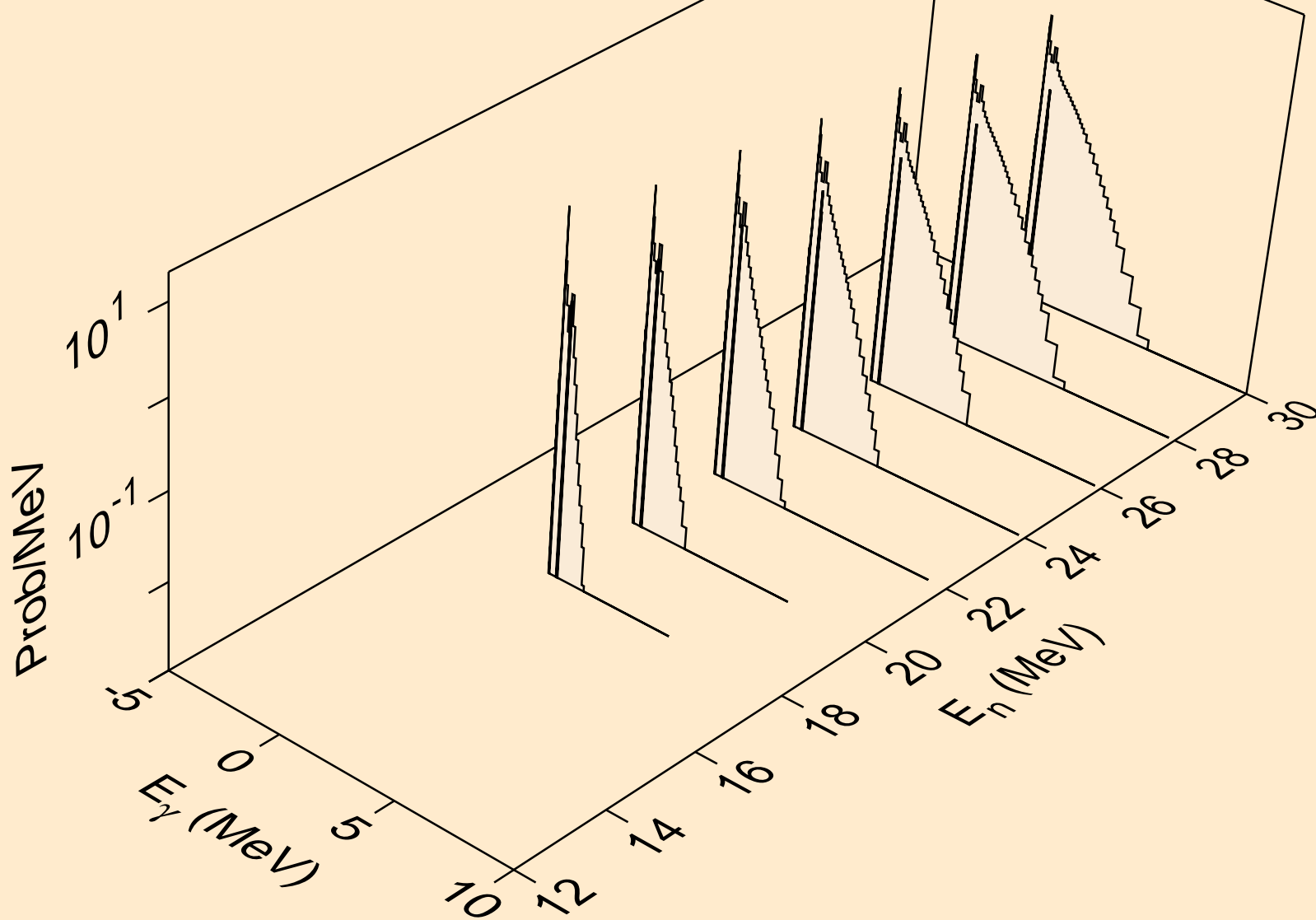
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



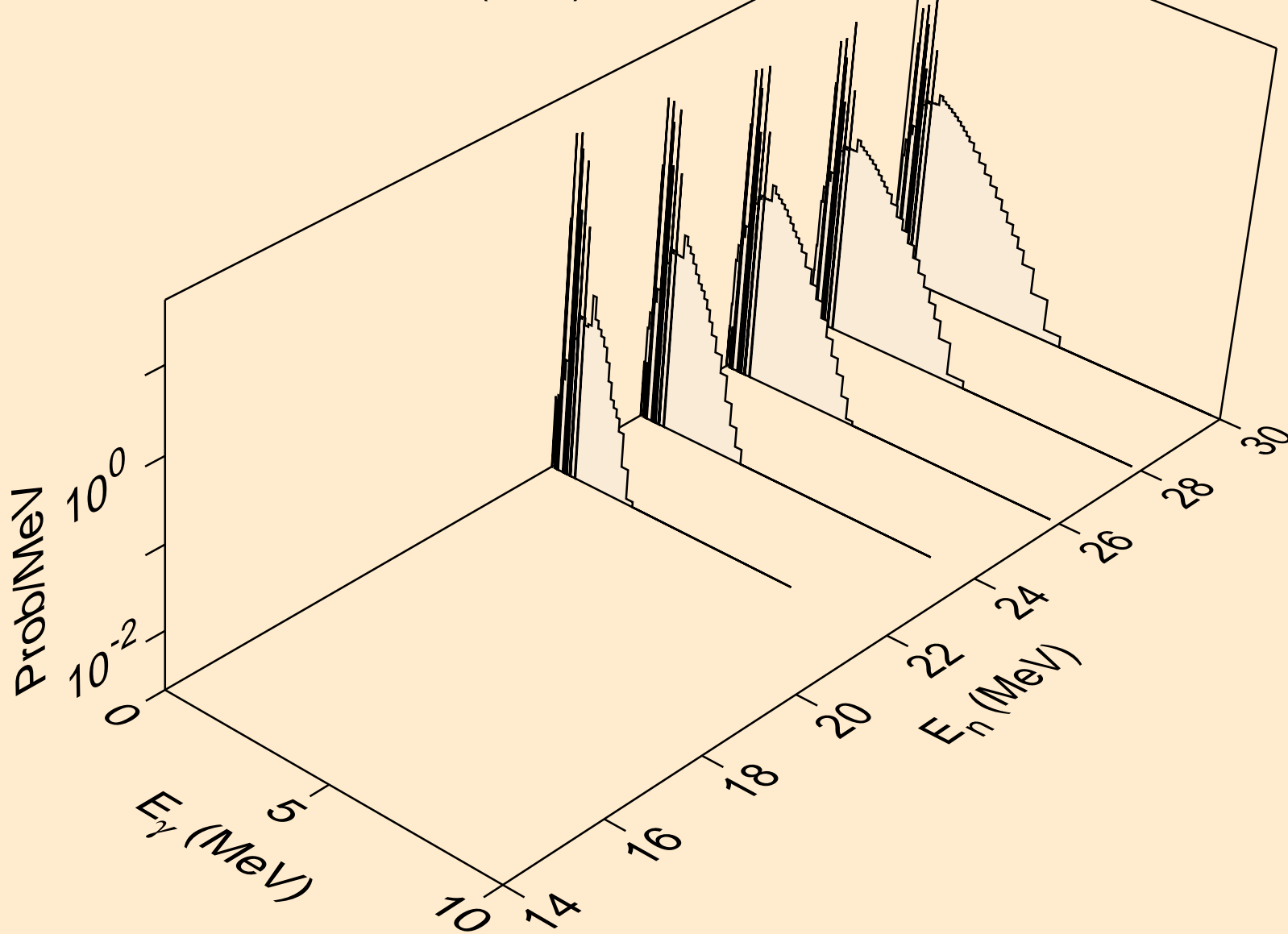
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



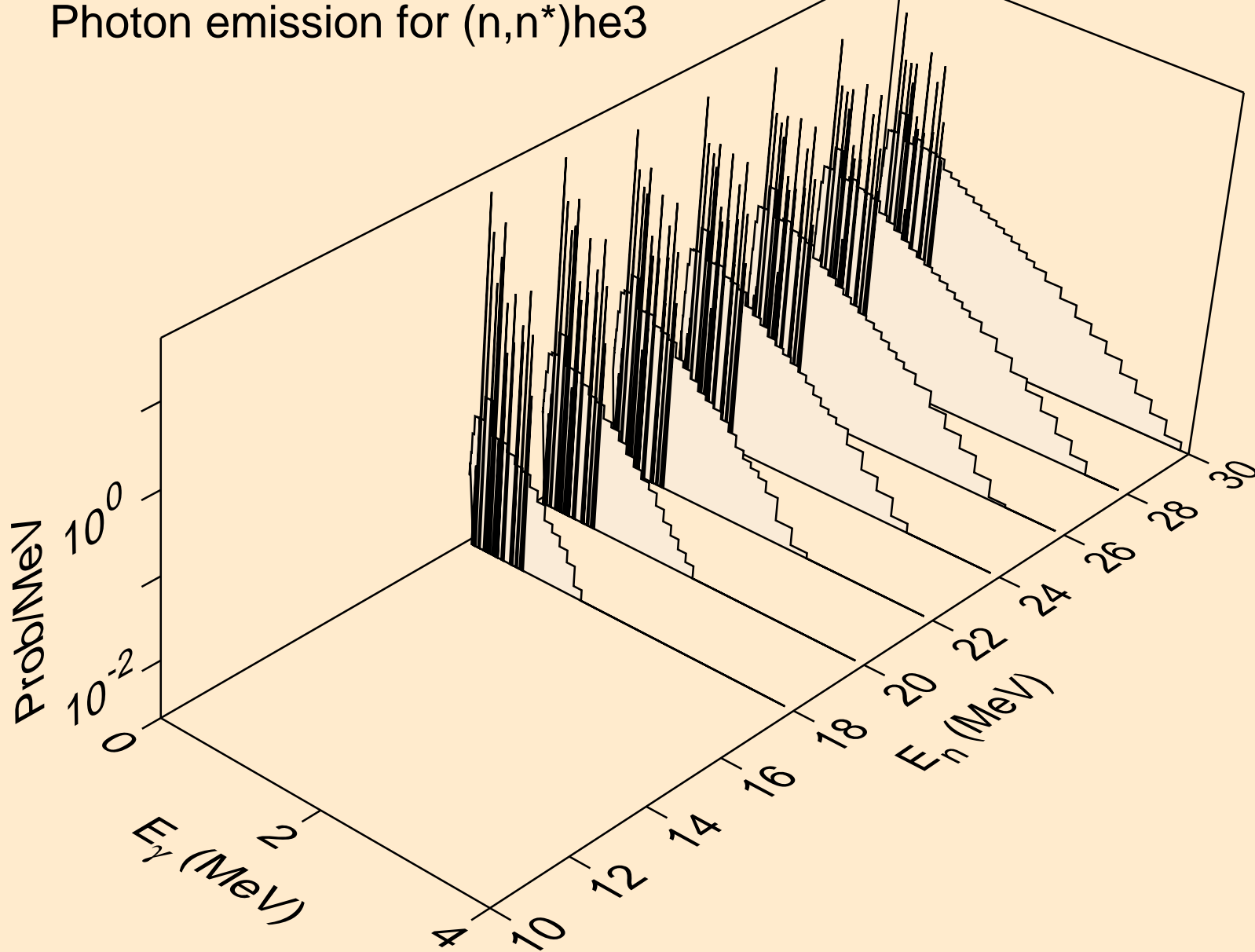
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



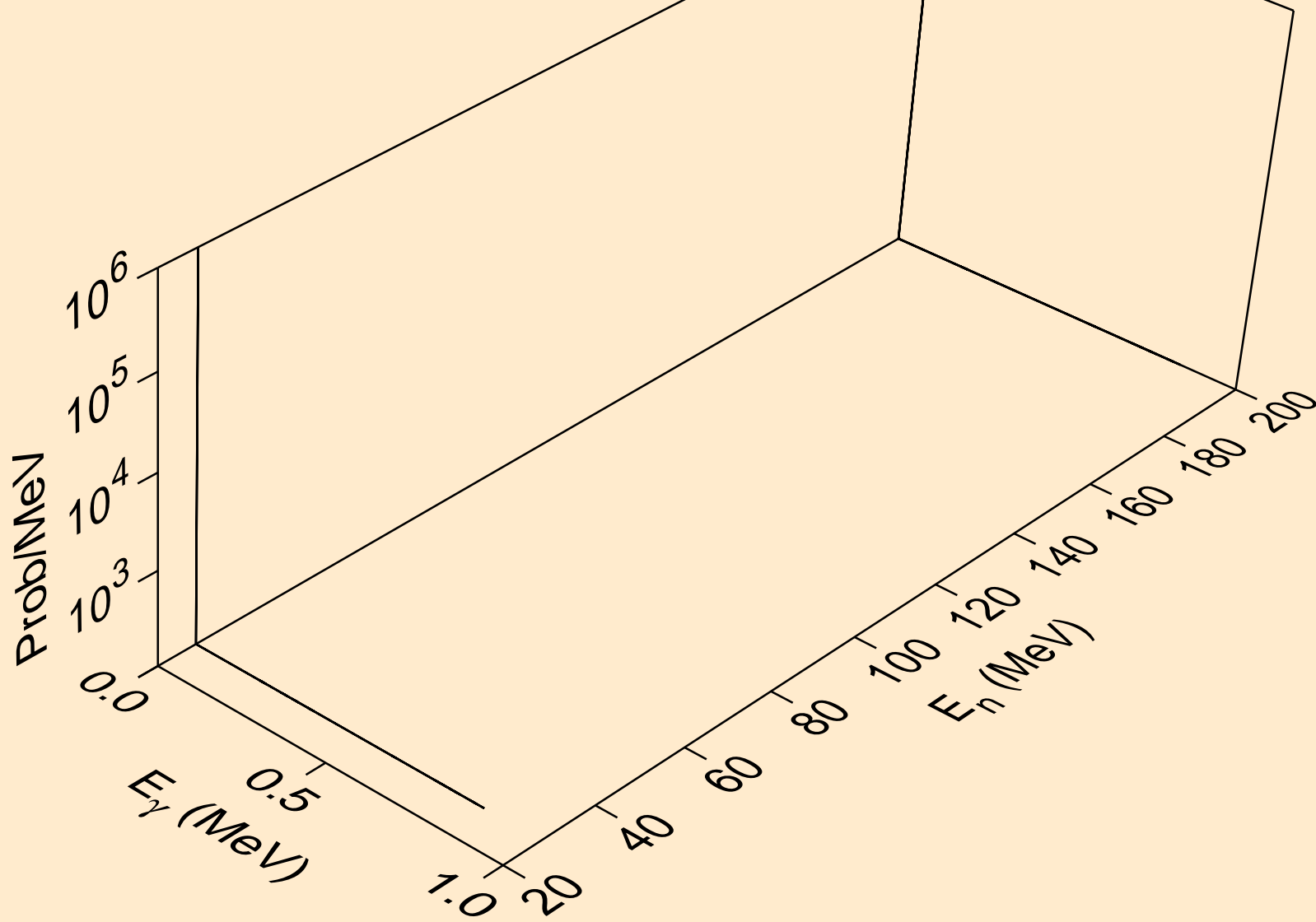
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

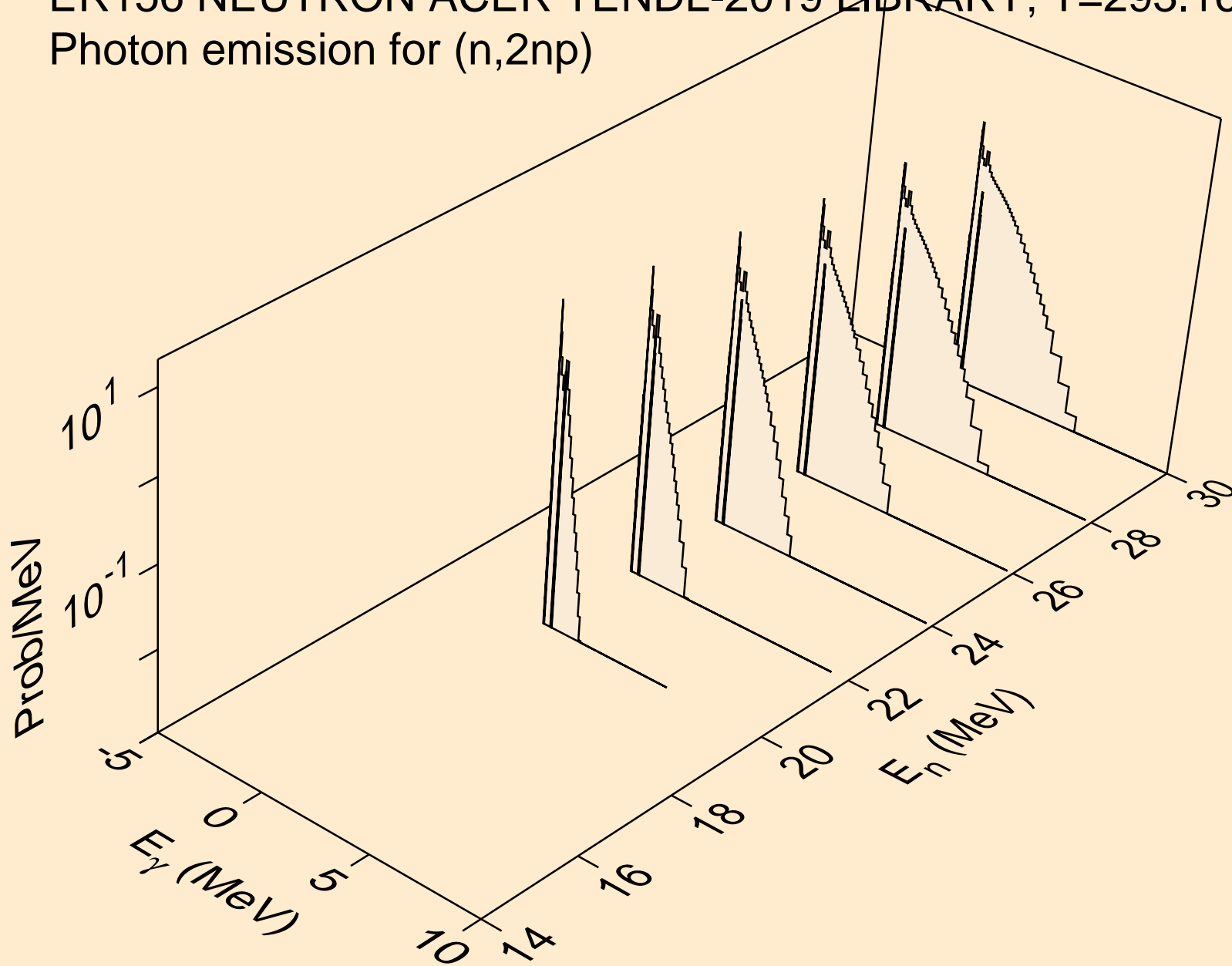


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

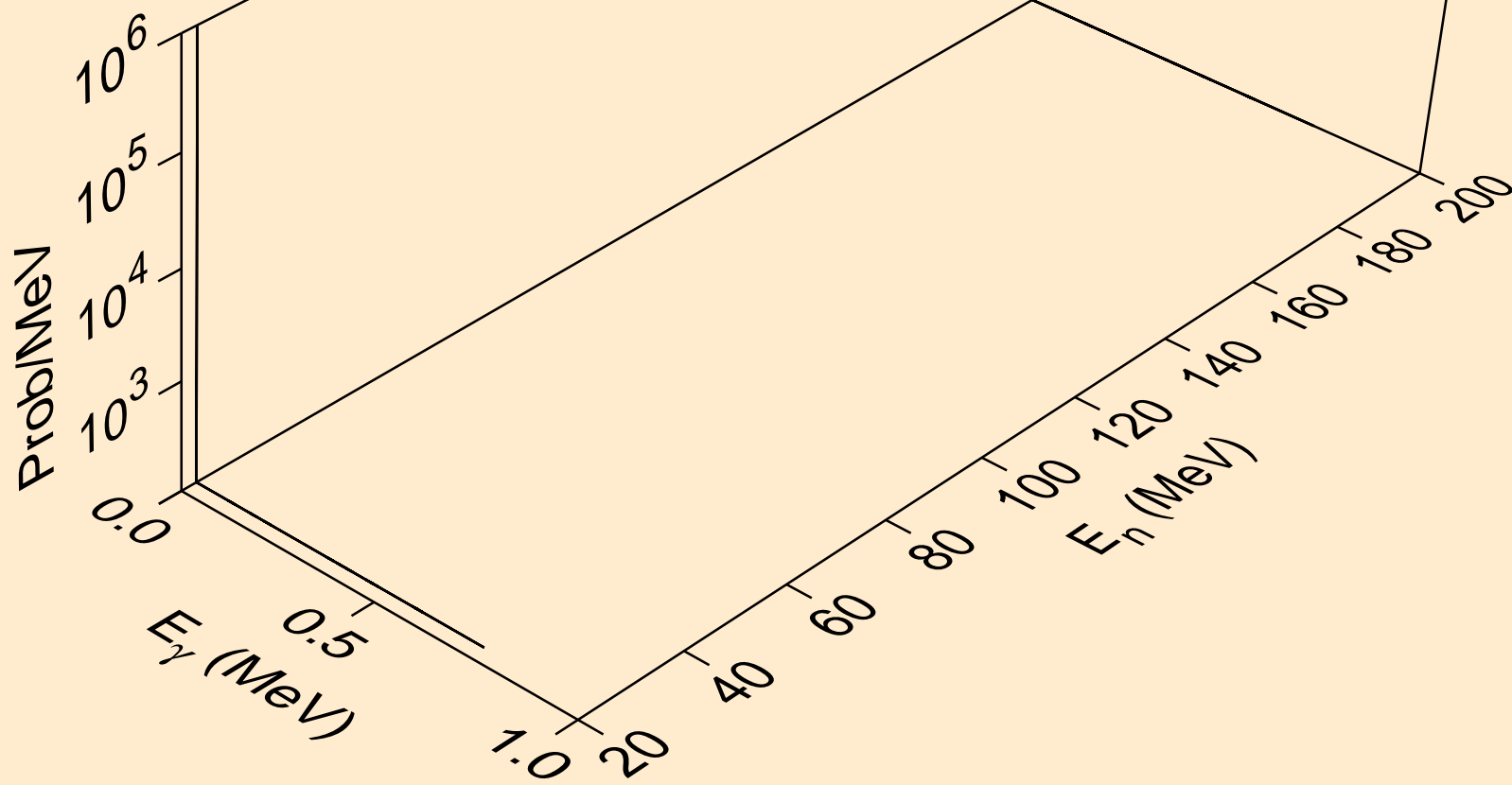




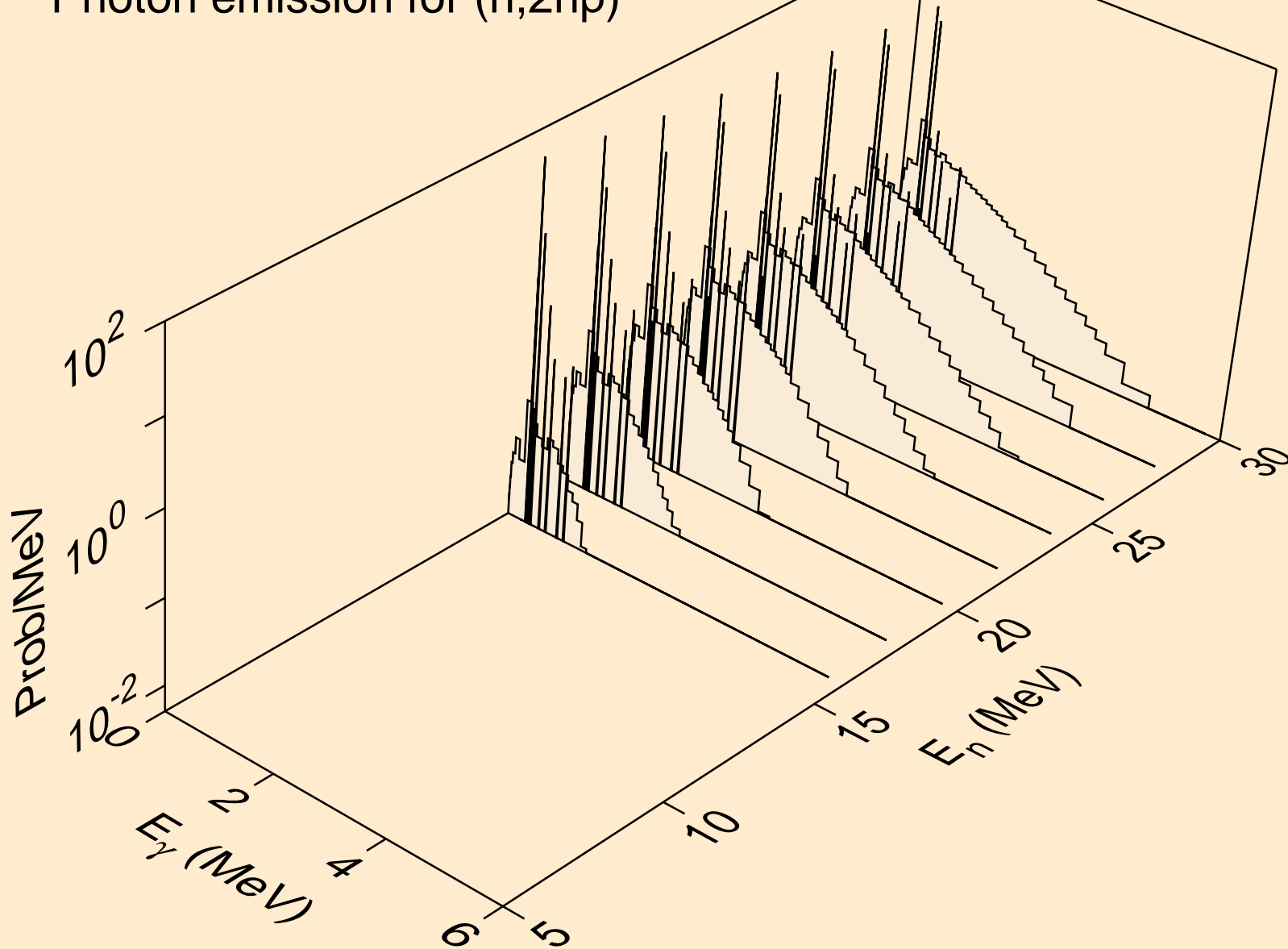
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



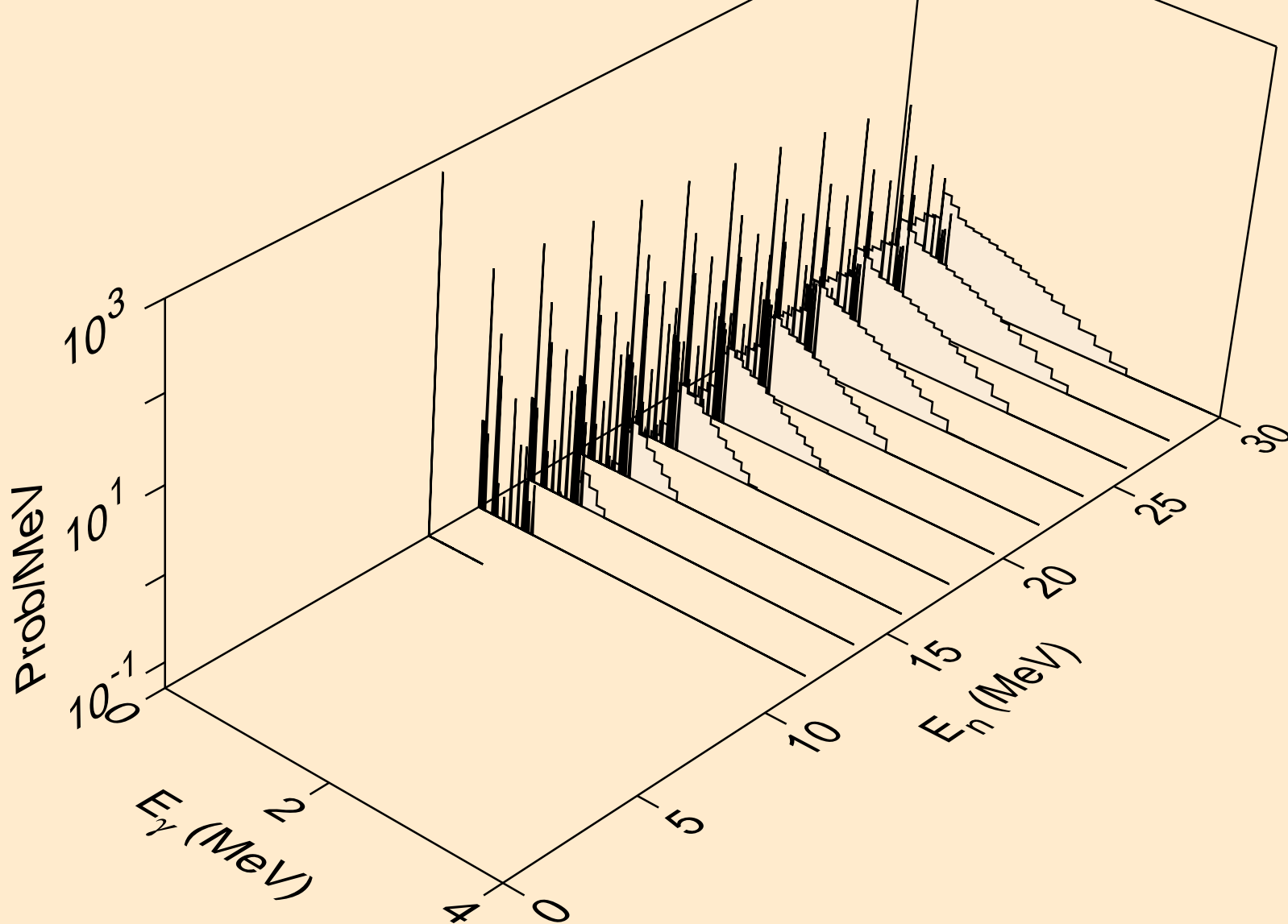
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



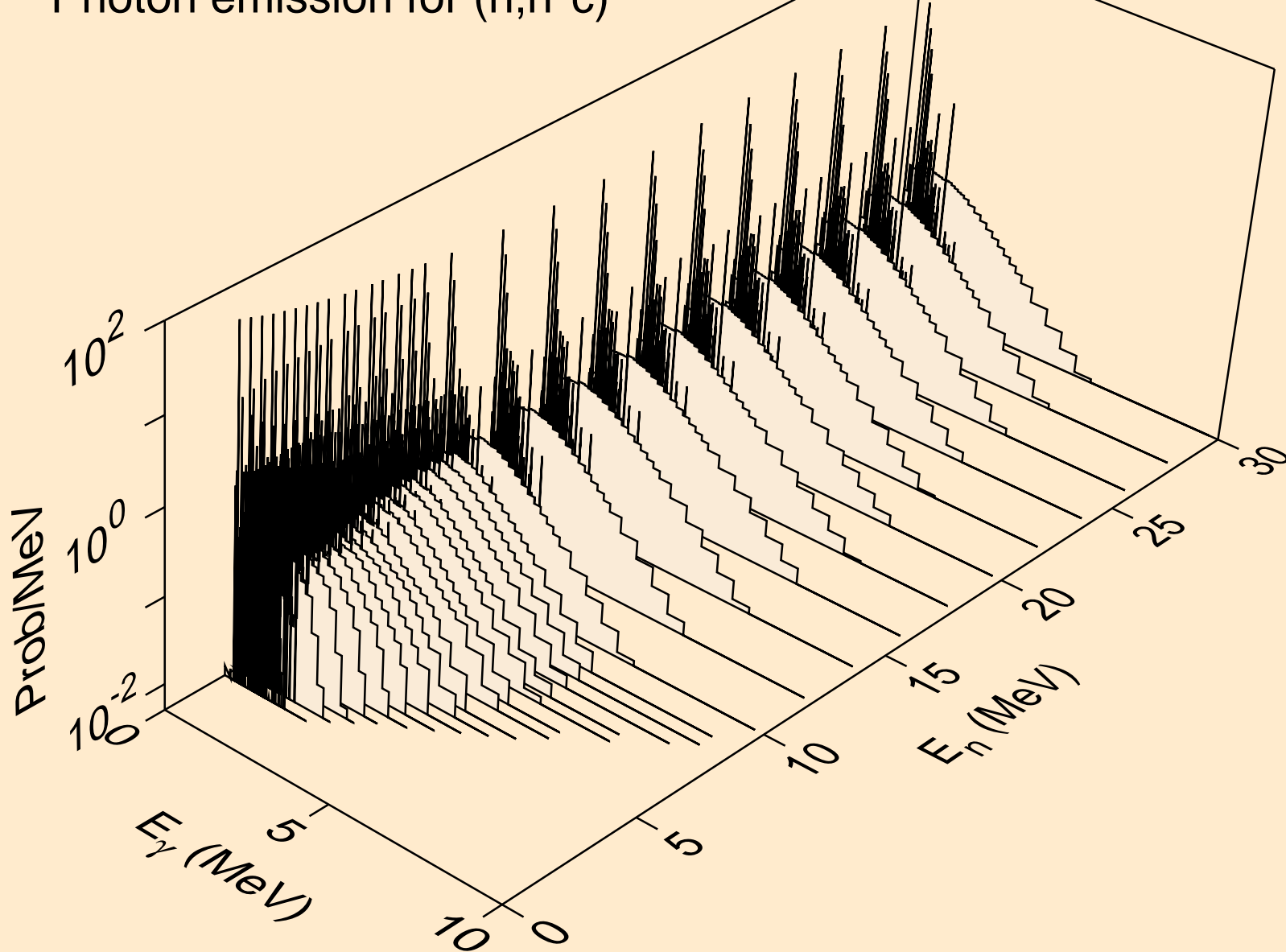
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Photon emission for (n,2np)



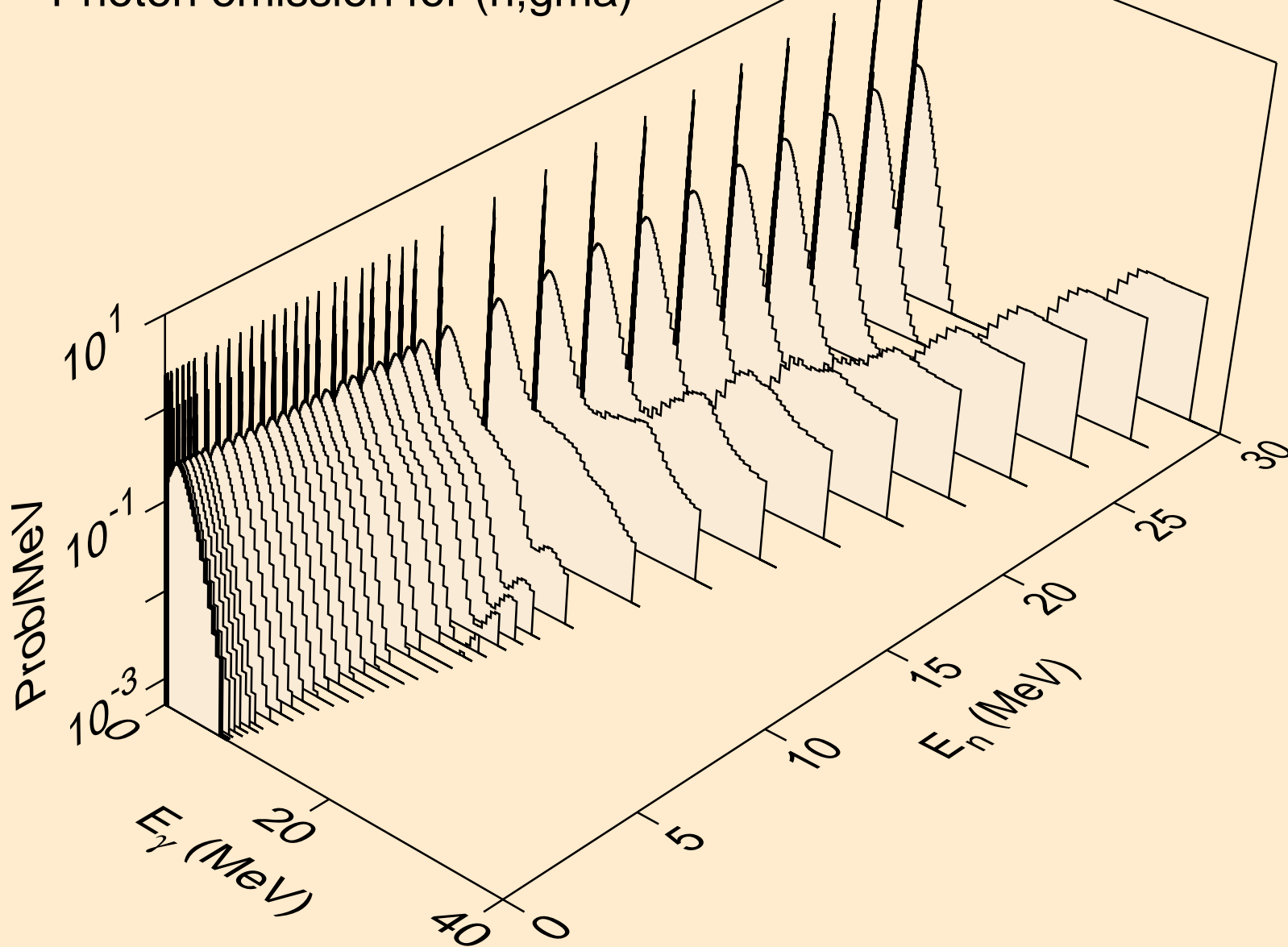
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Photon emission for (n,npa)



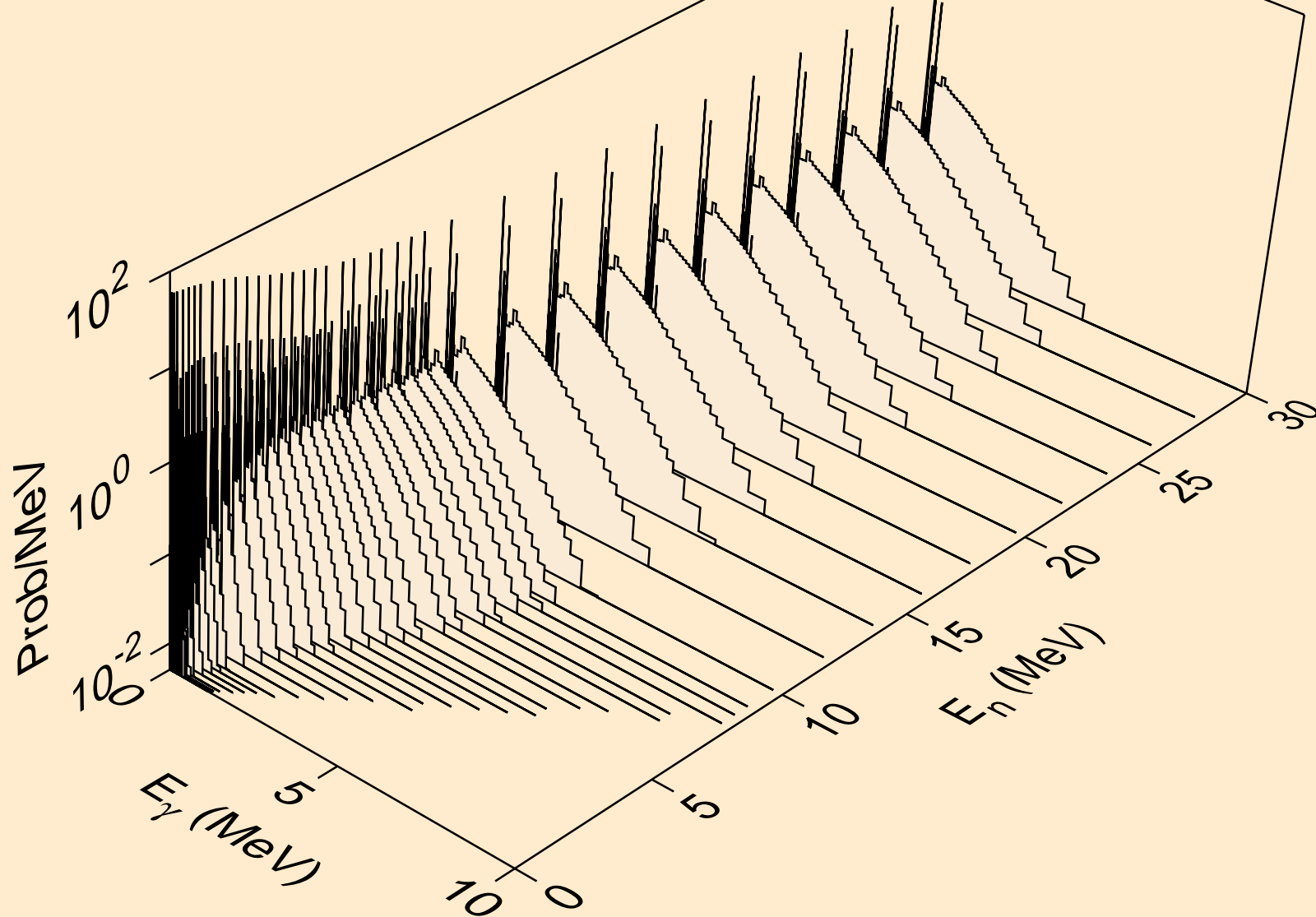
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



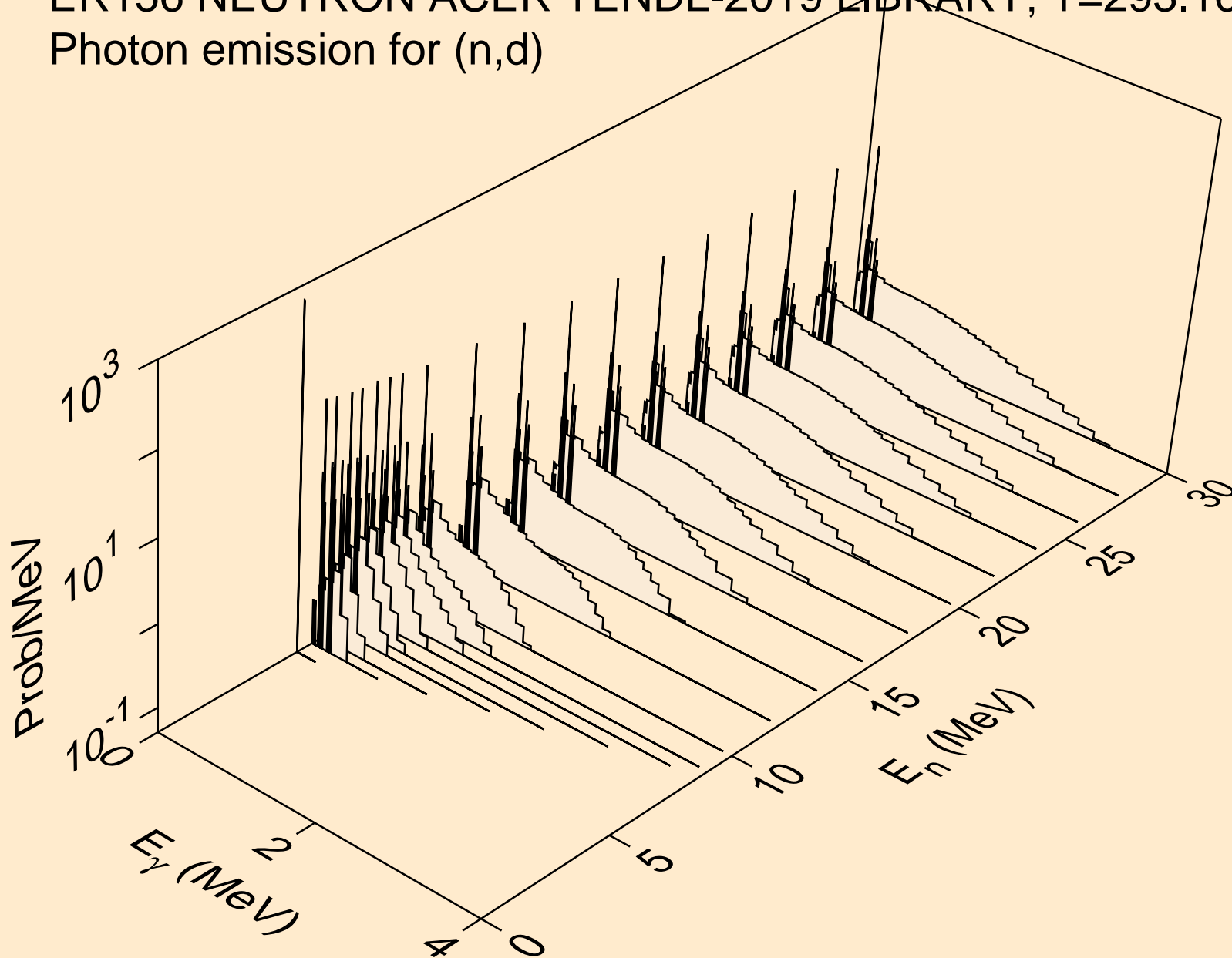
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

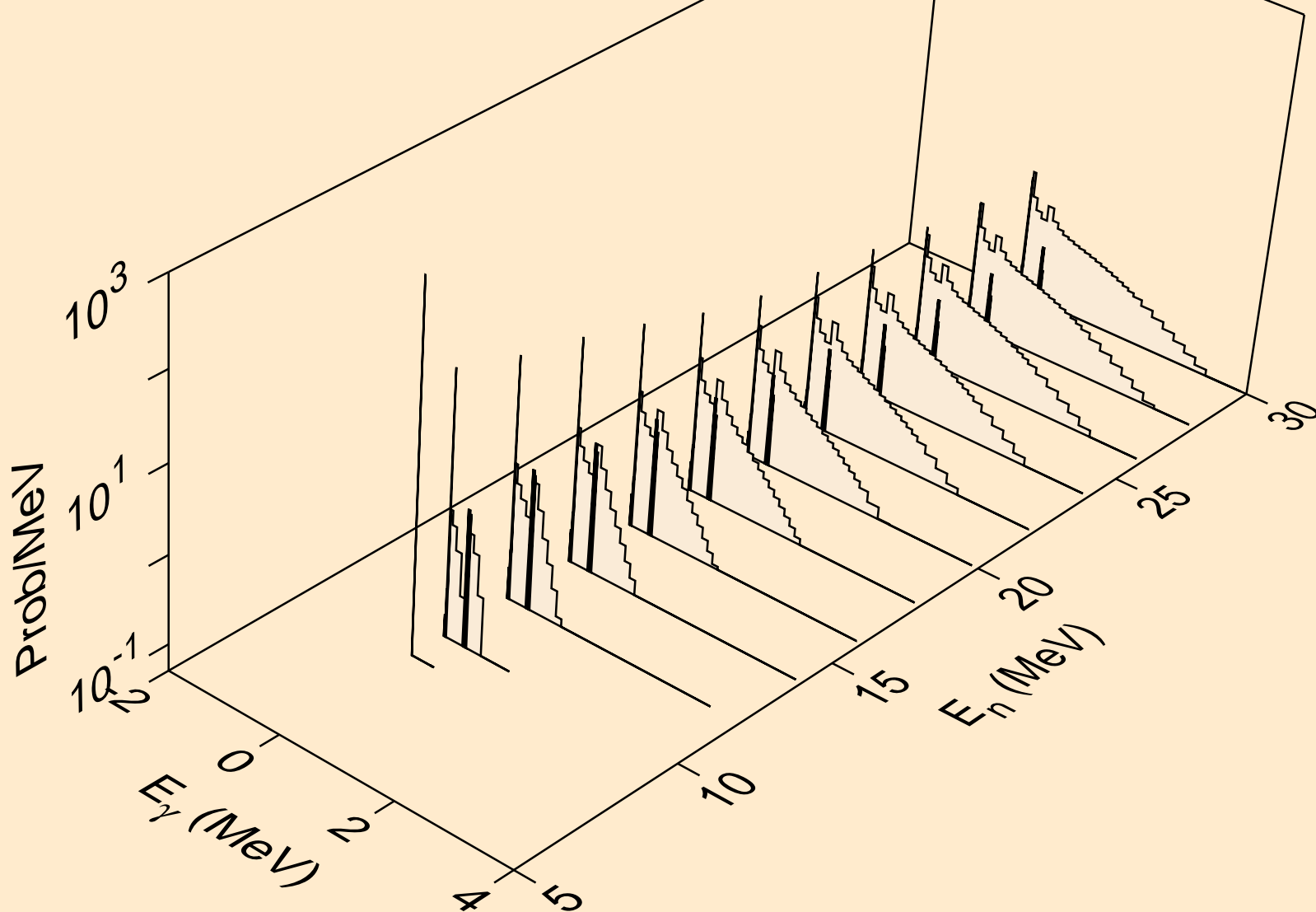


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

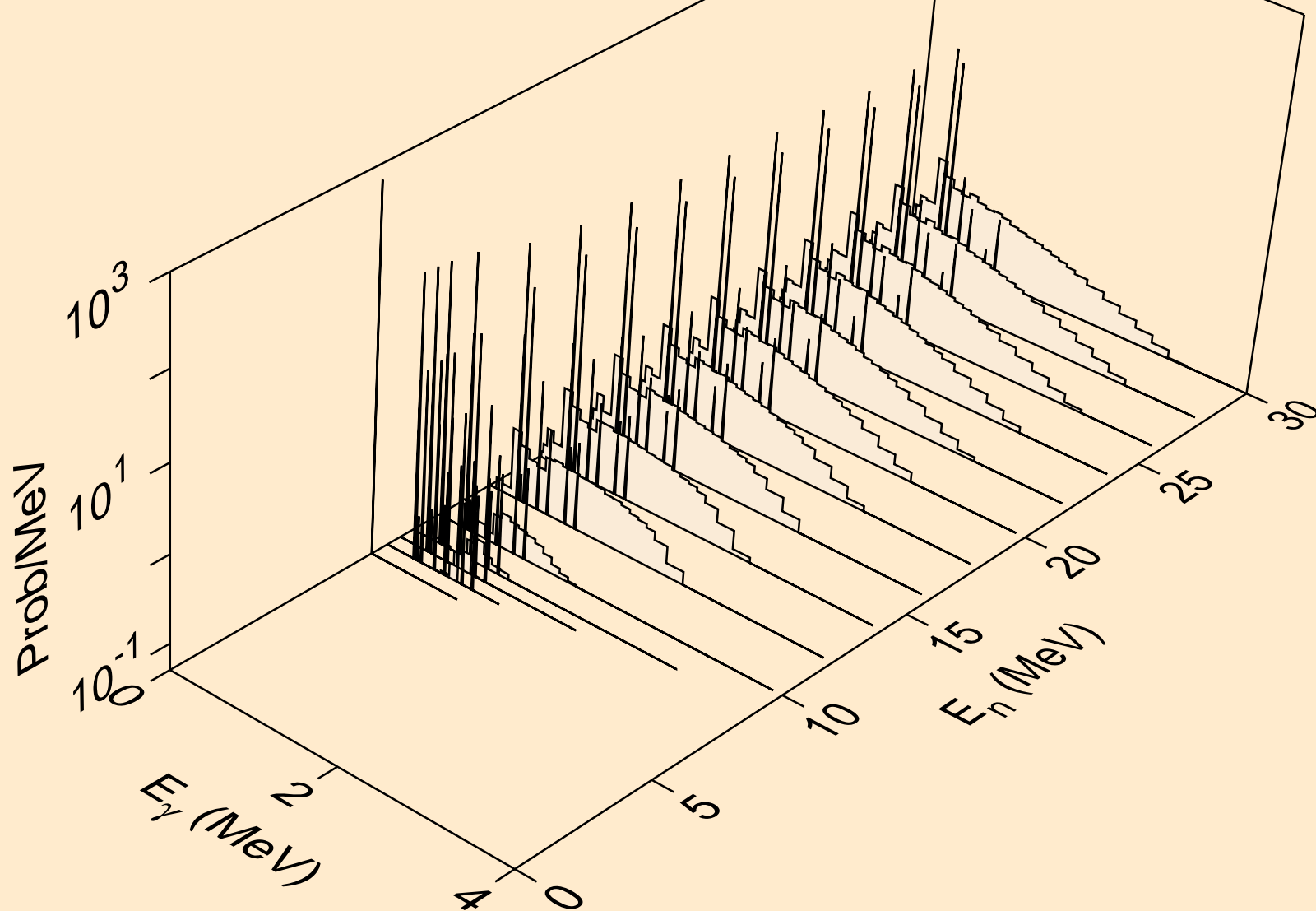




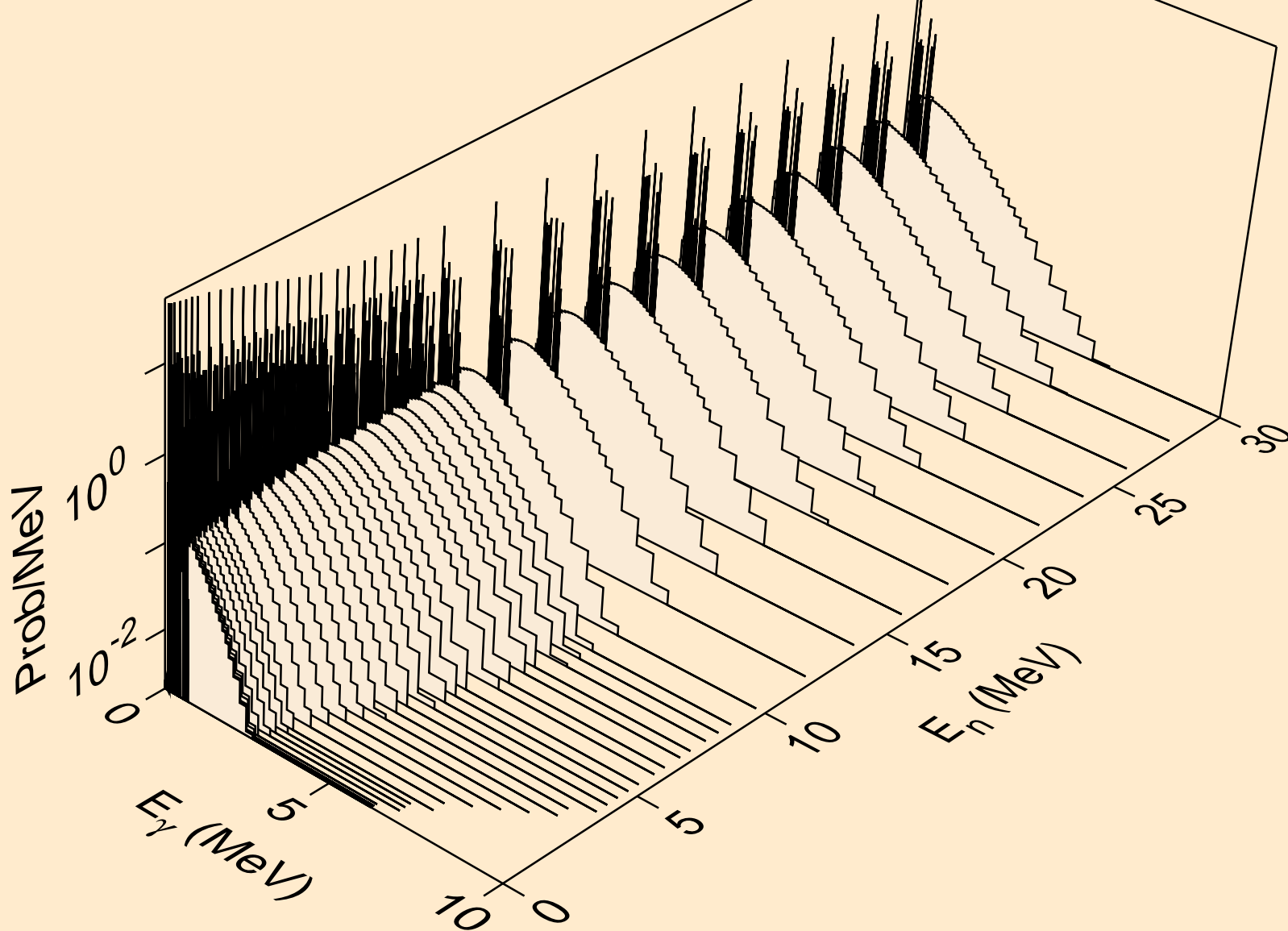
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



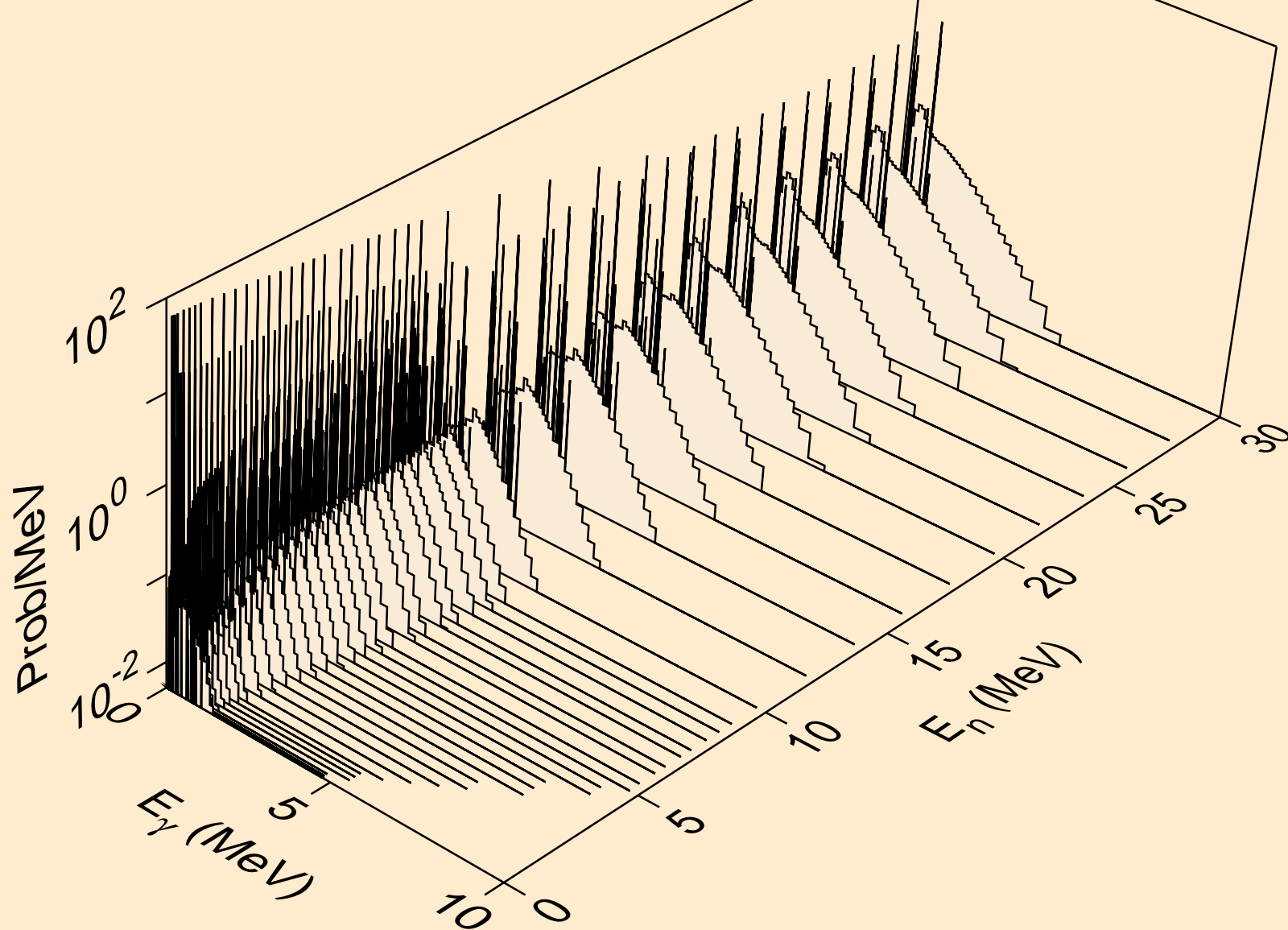
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



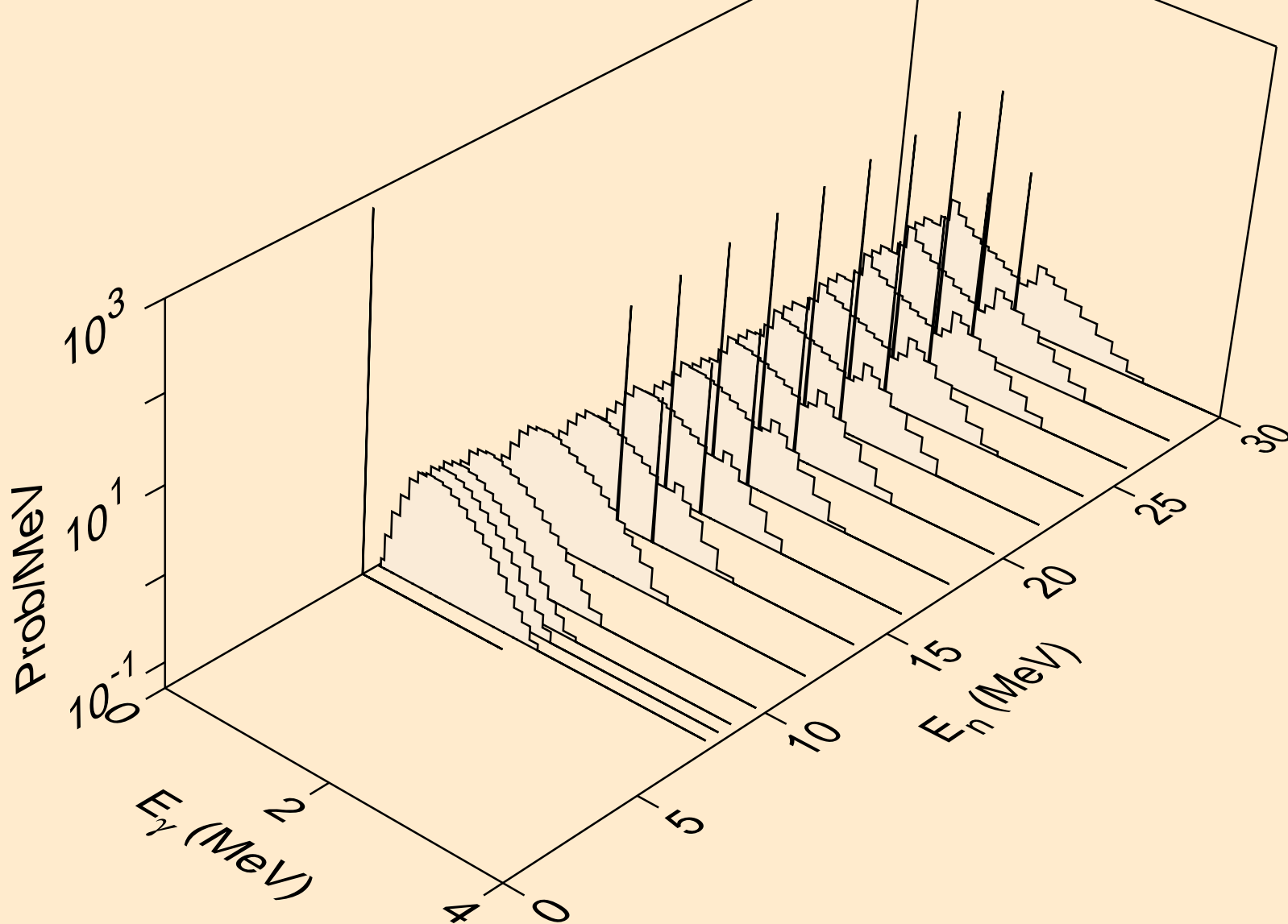
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



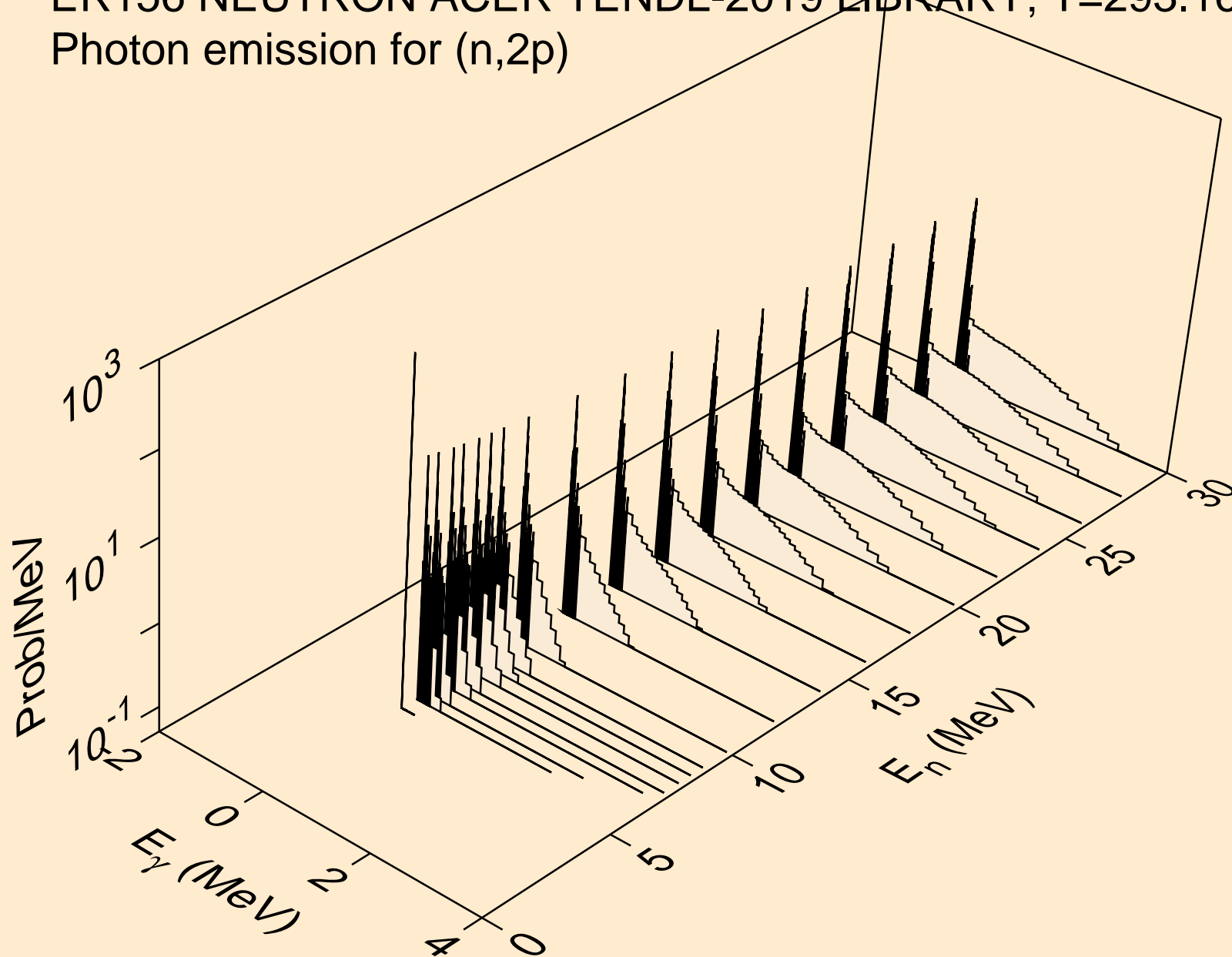
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



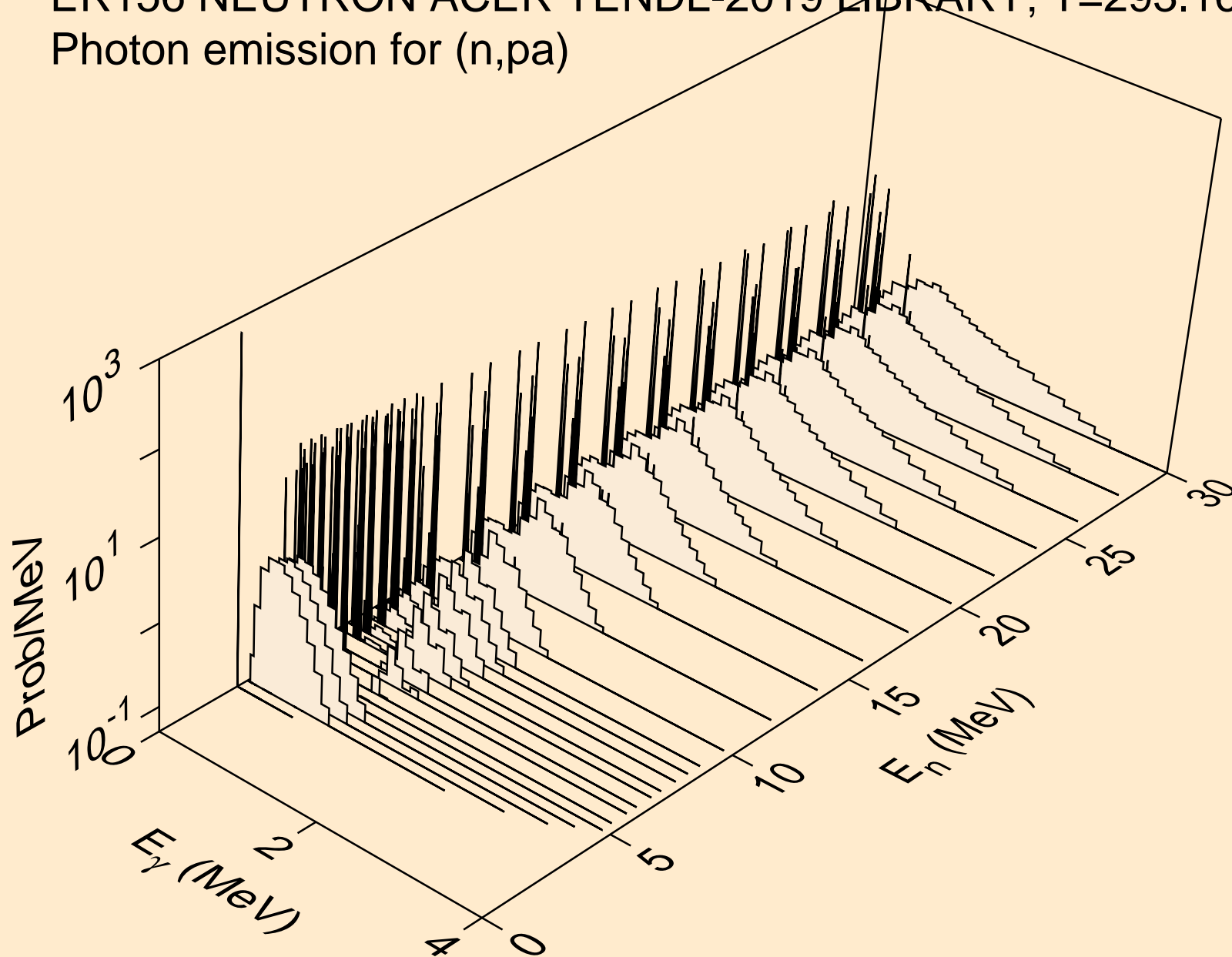
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



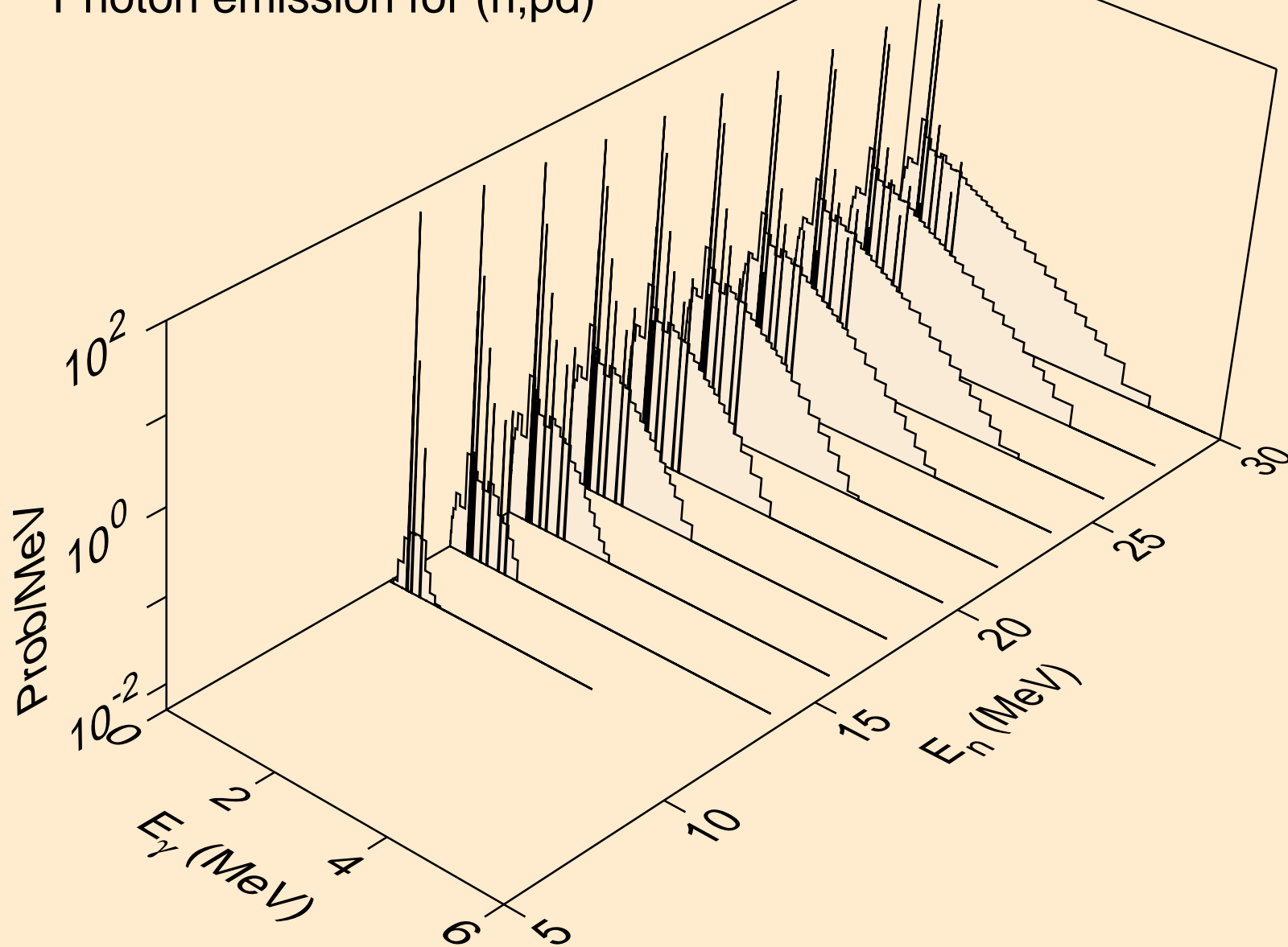
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

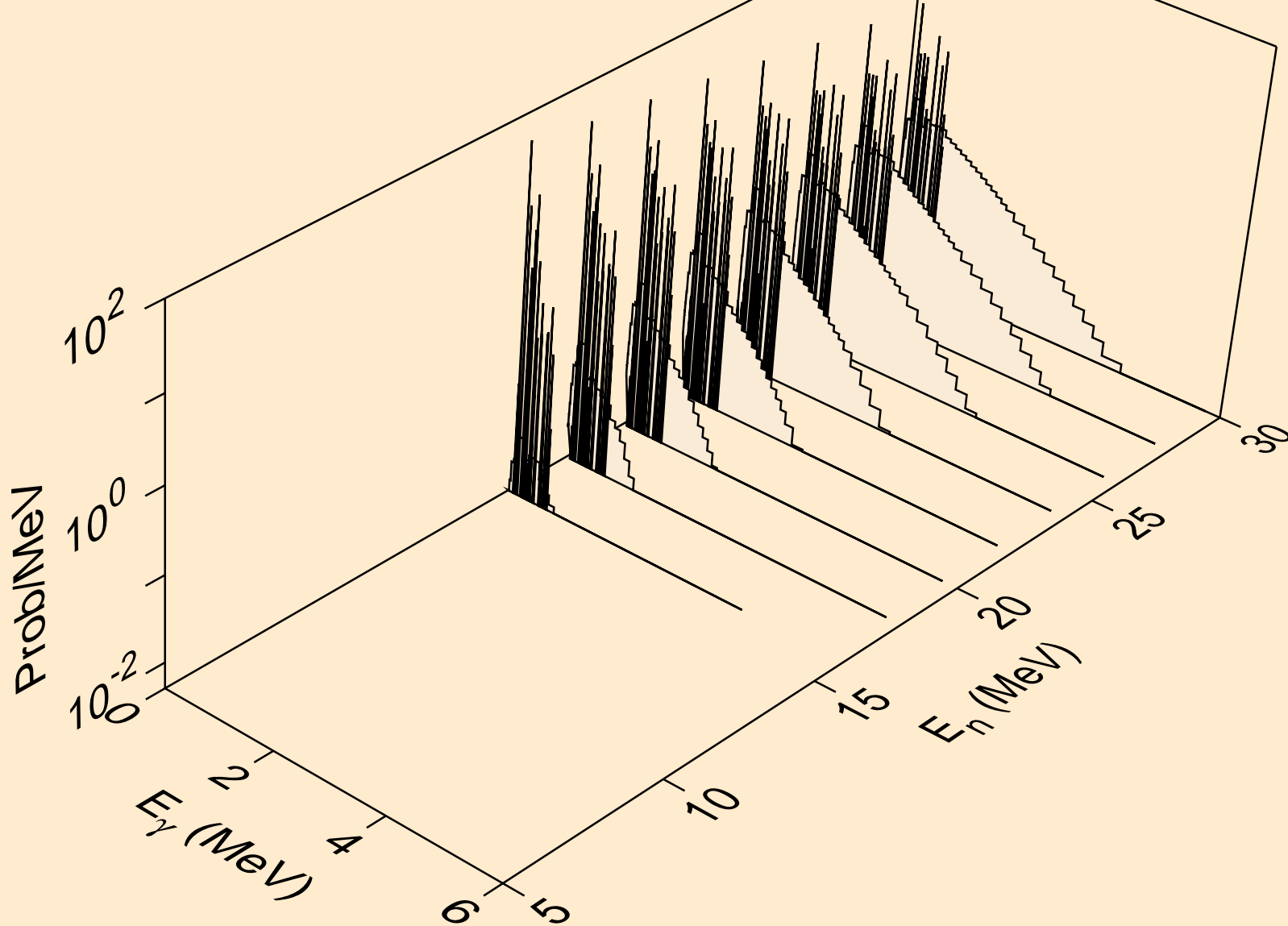


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

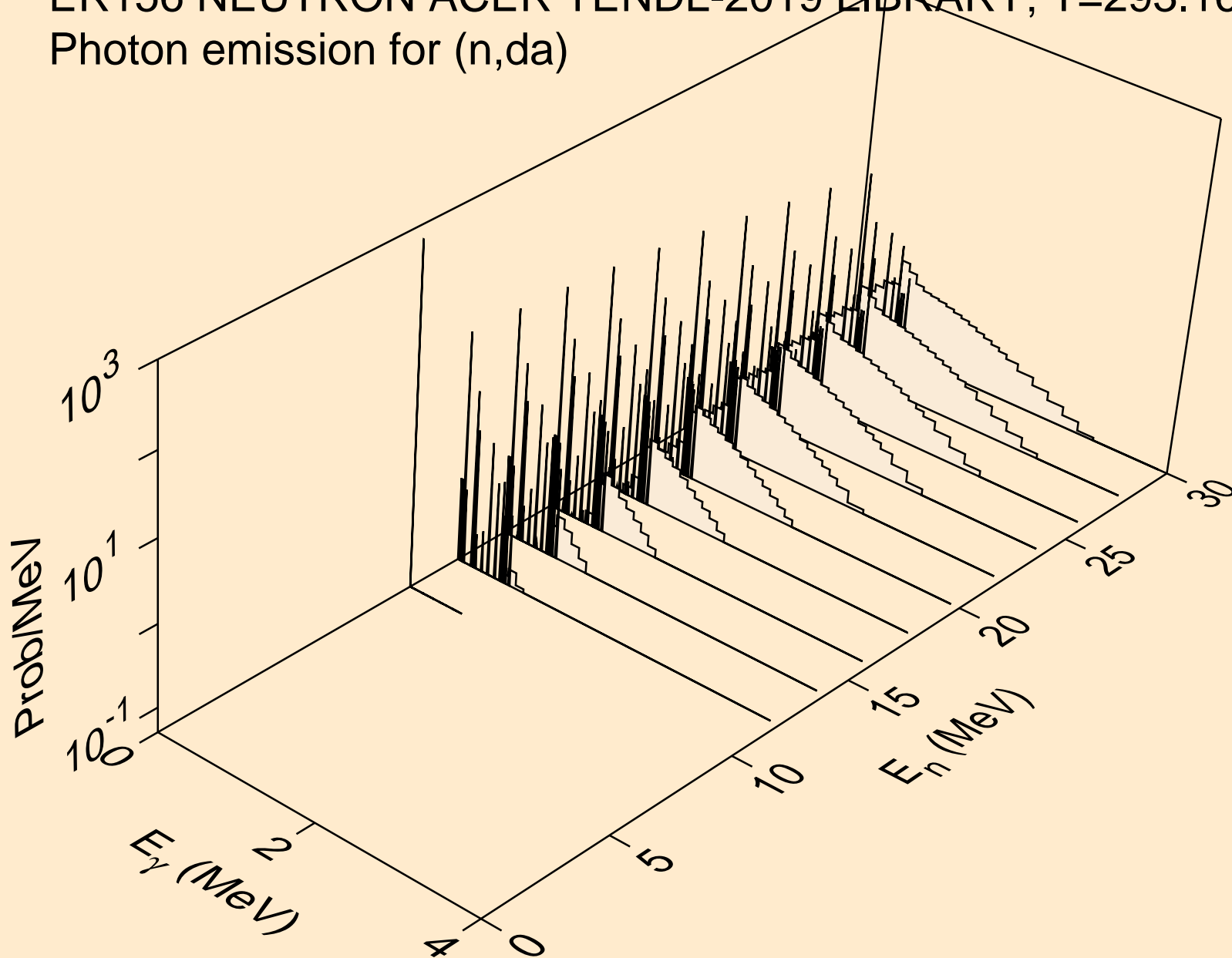




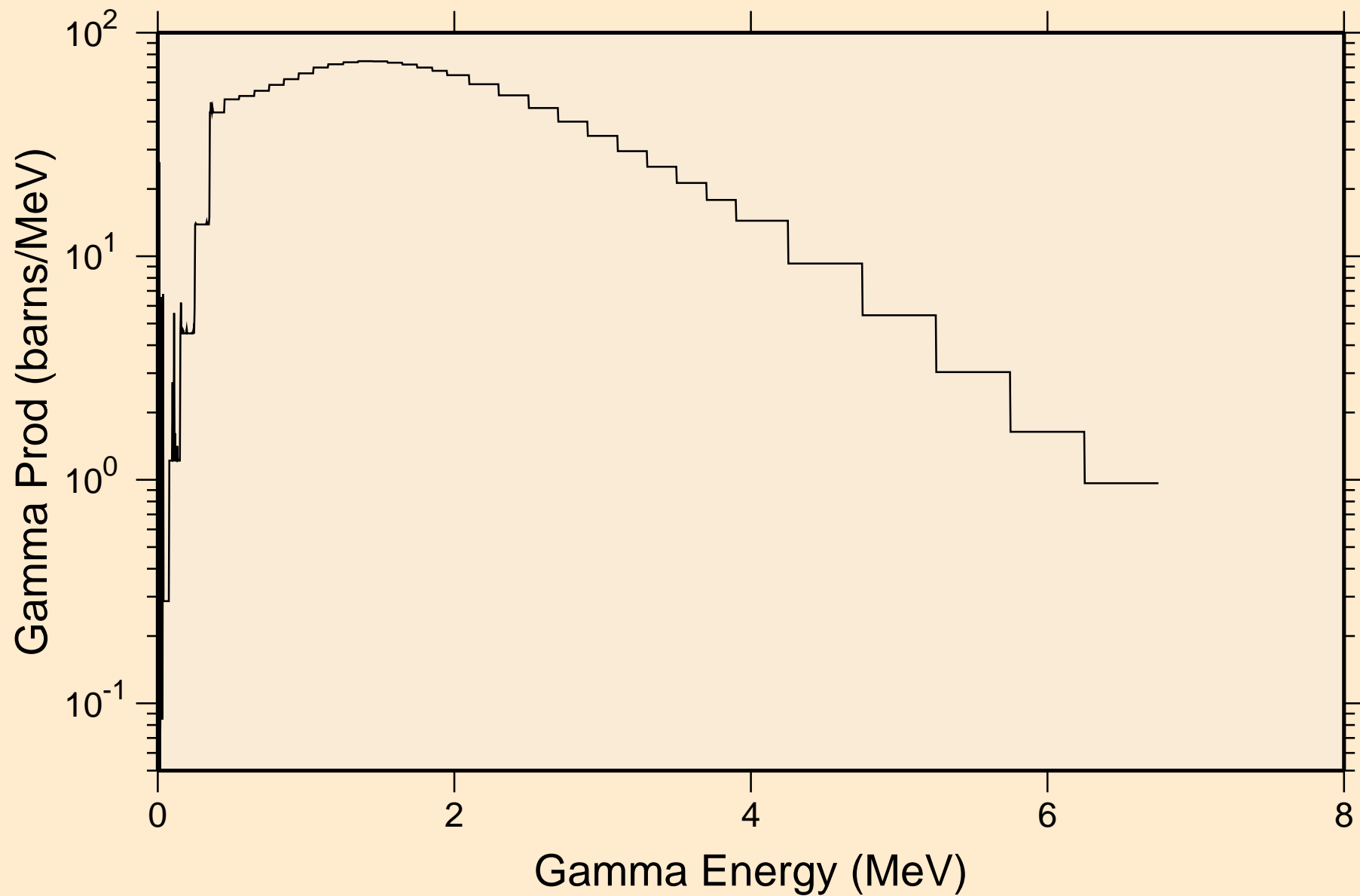
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



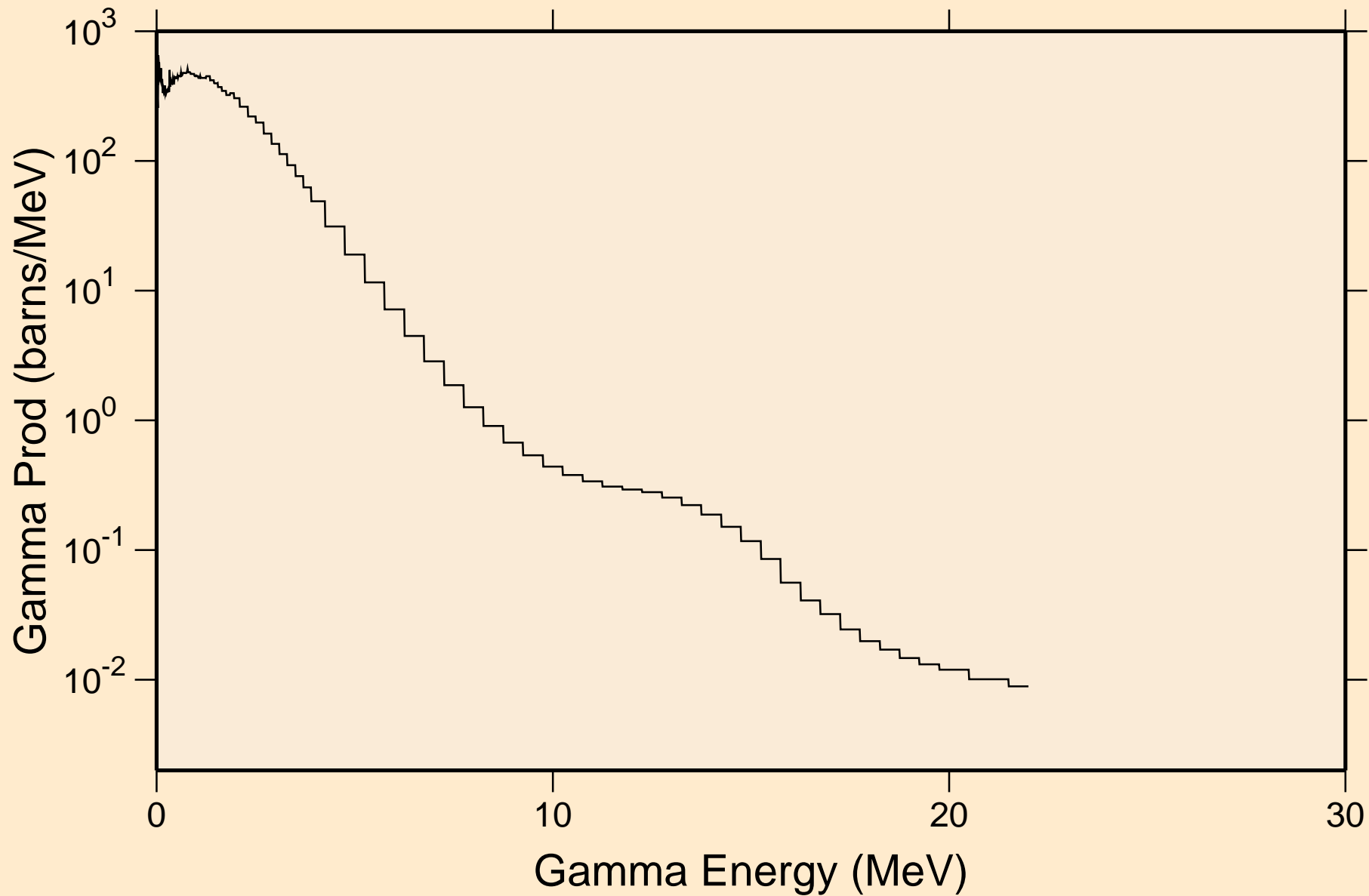
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

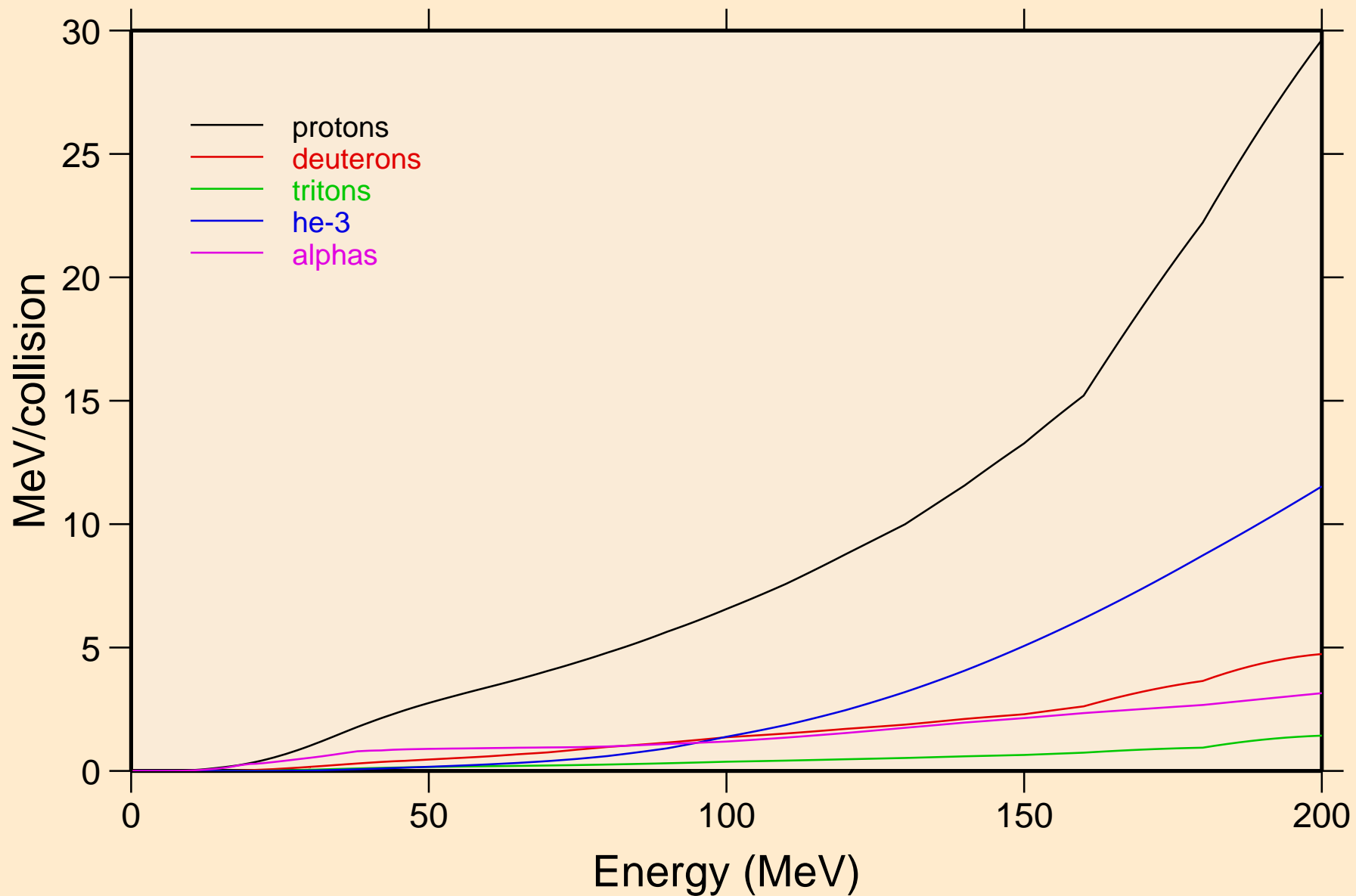


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

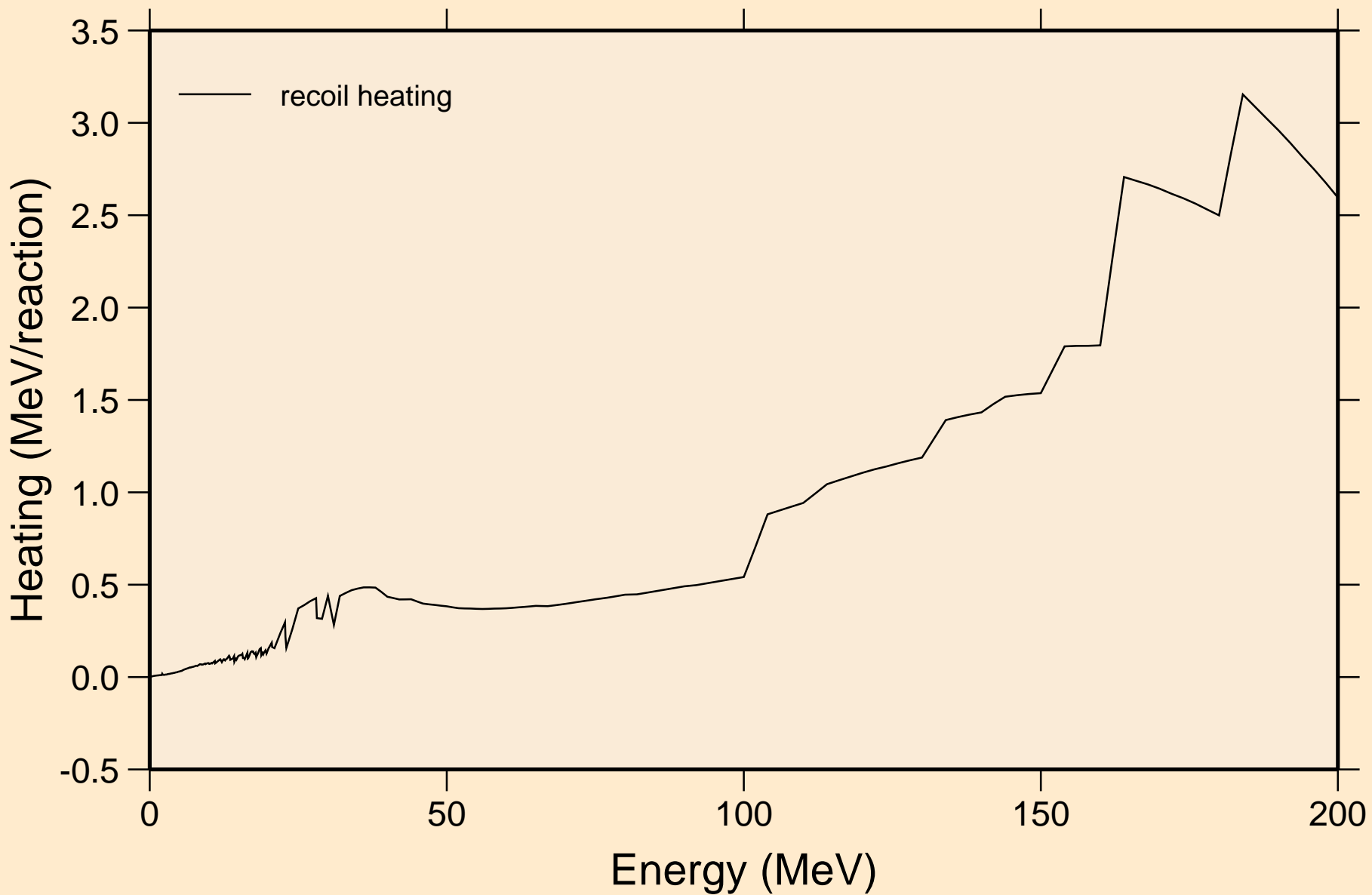


# ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

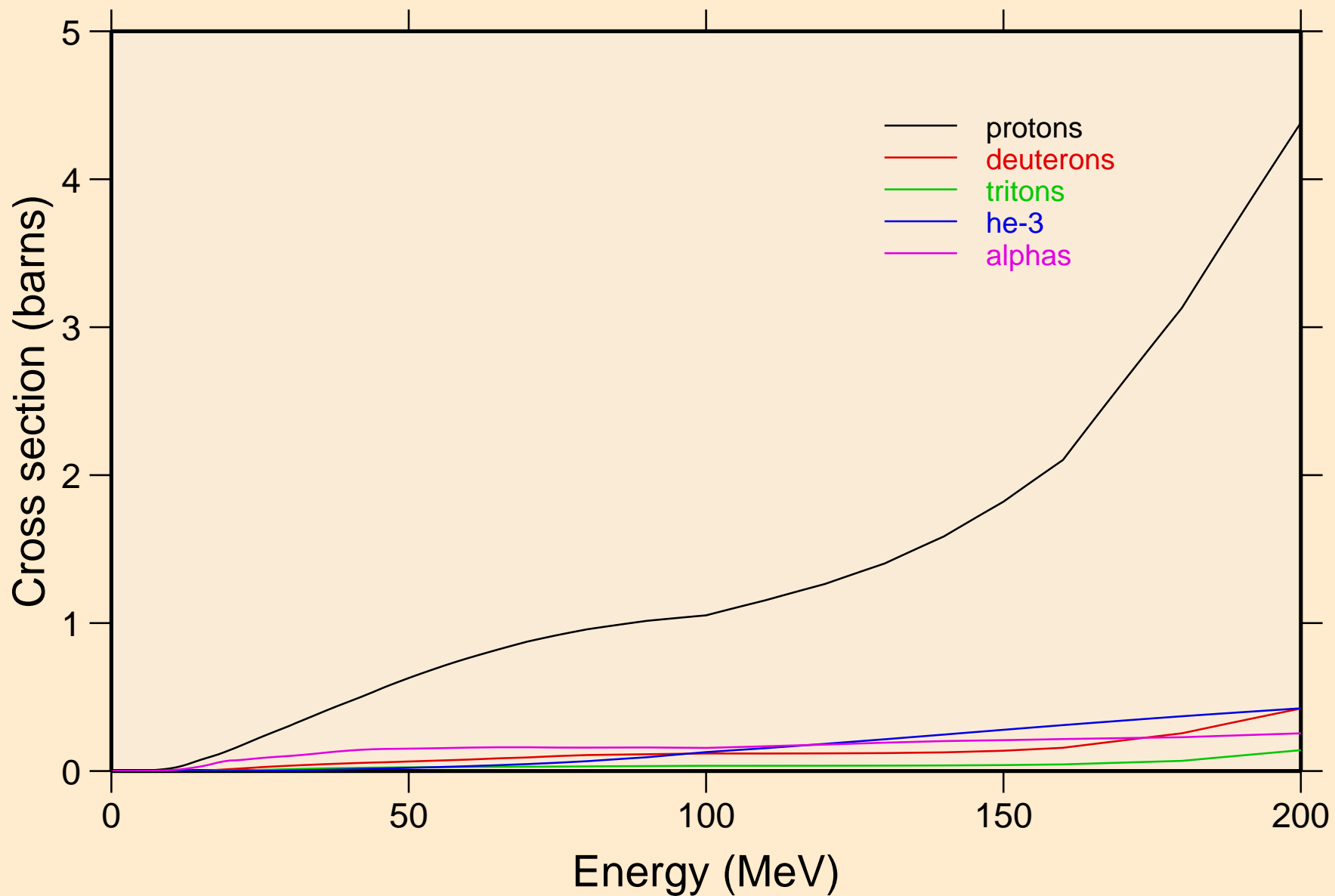
## Particle heating contributions



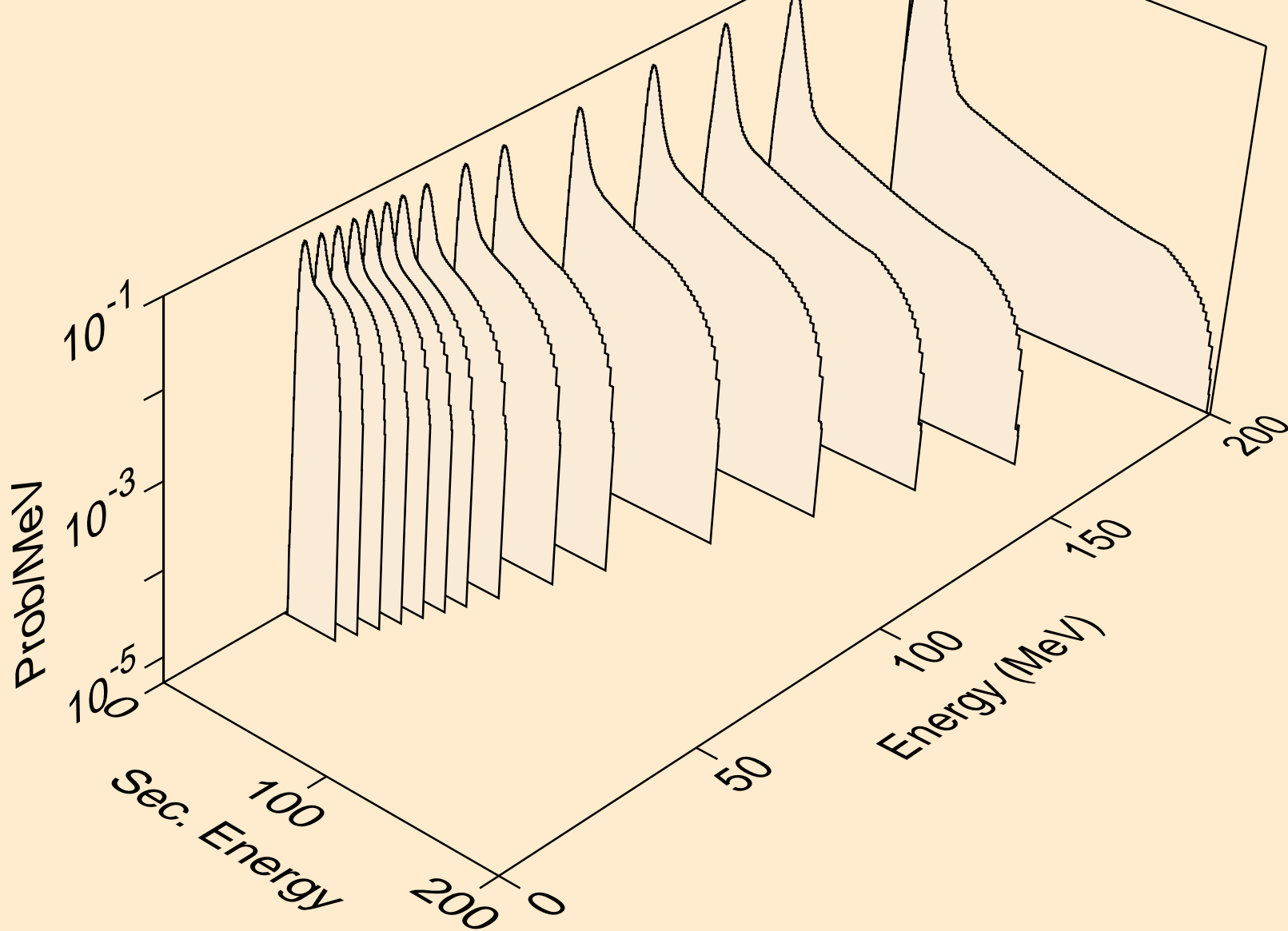
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

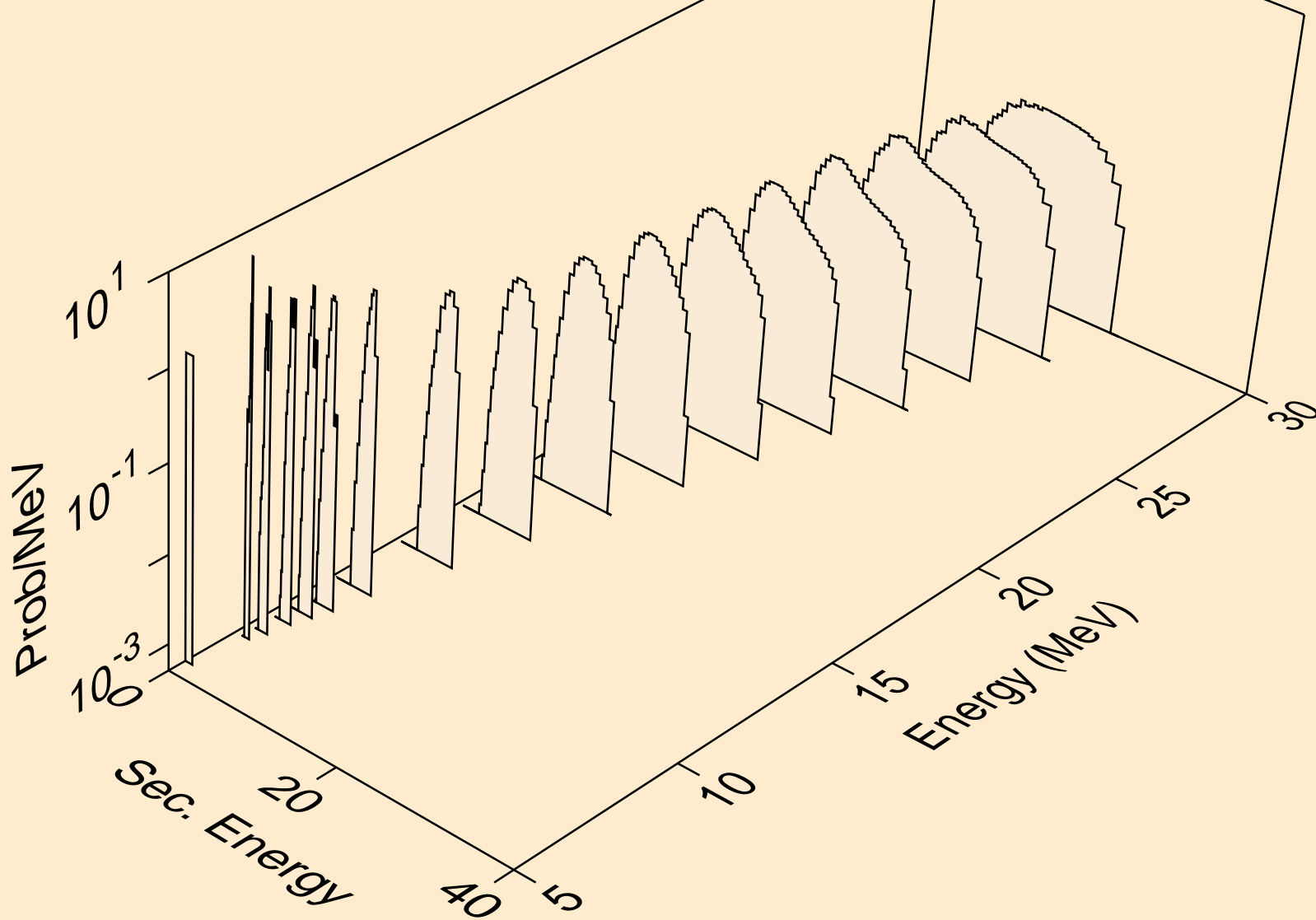


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

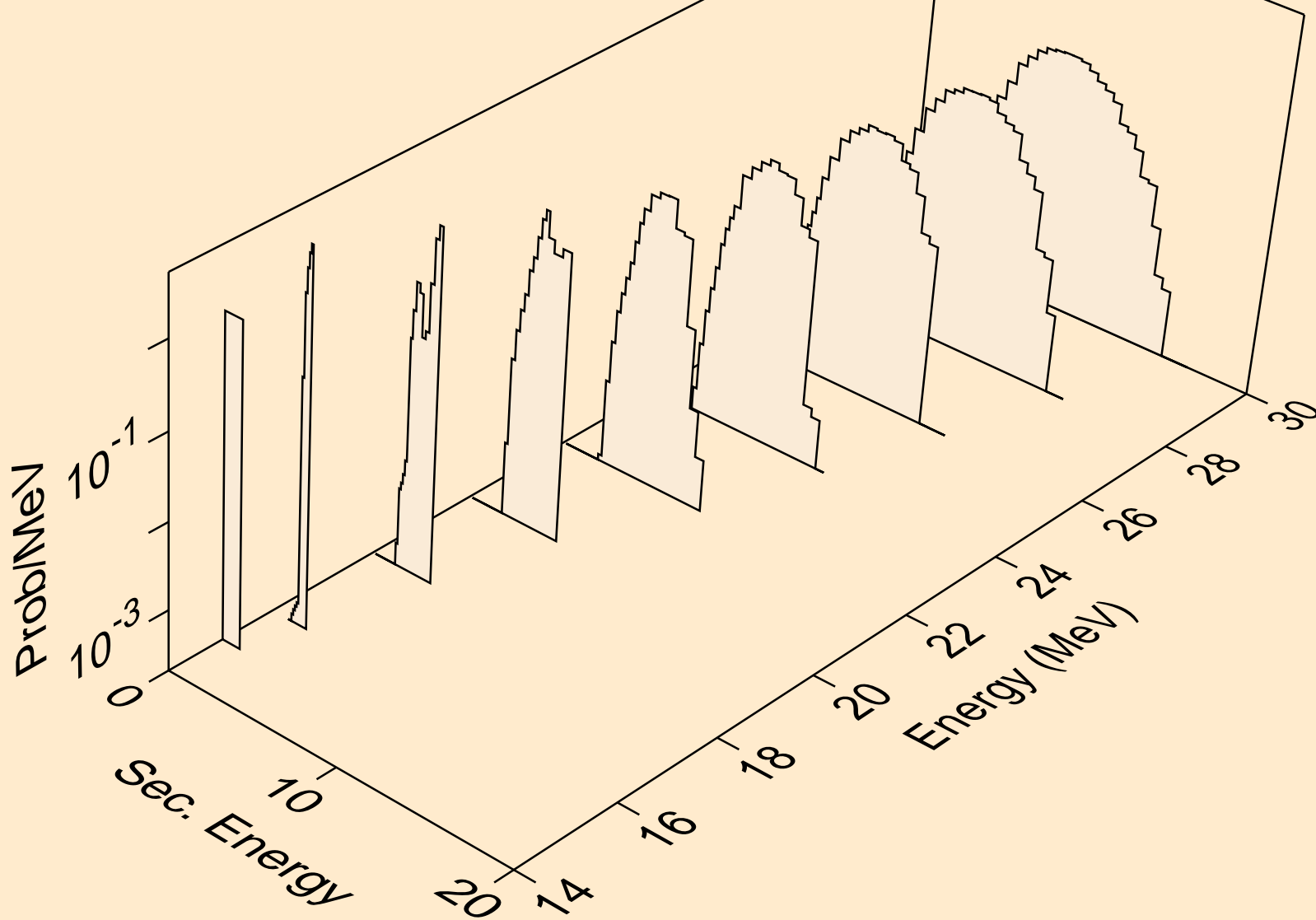




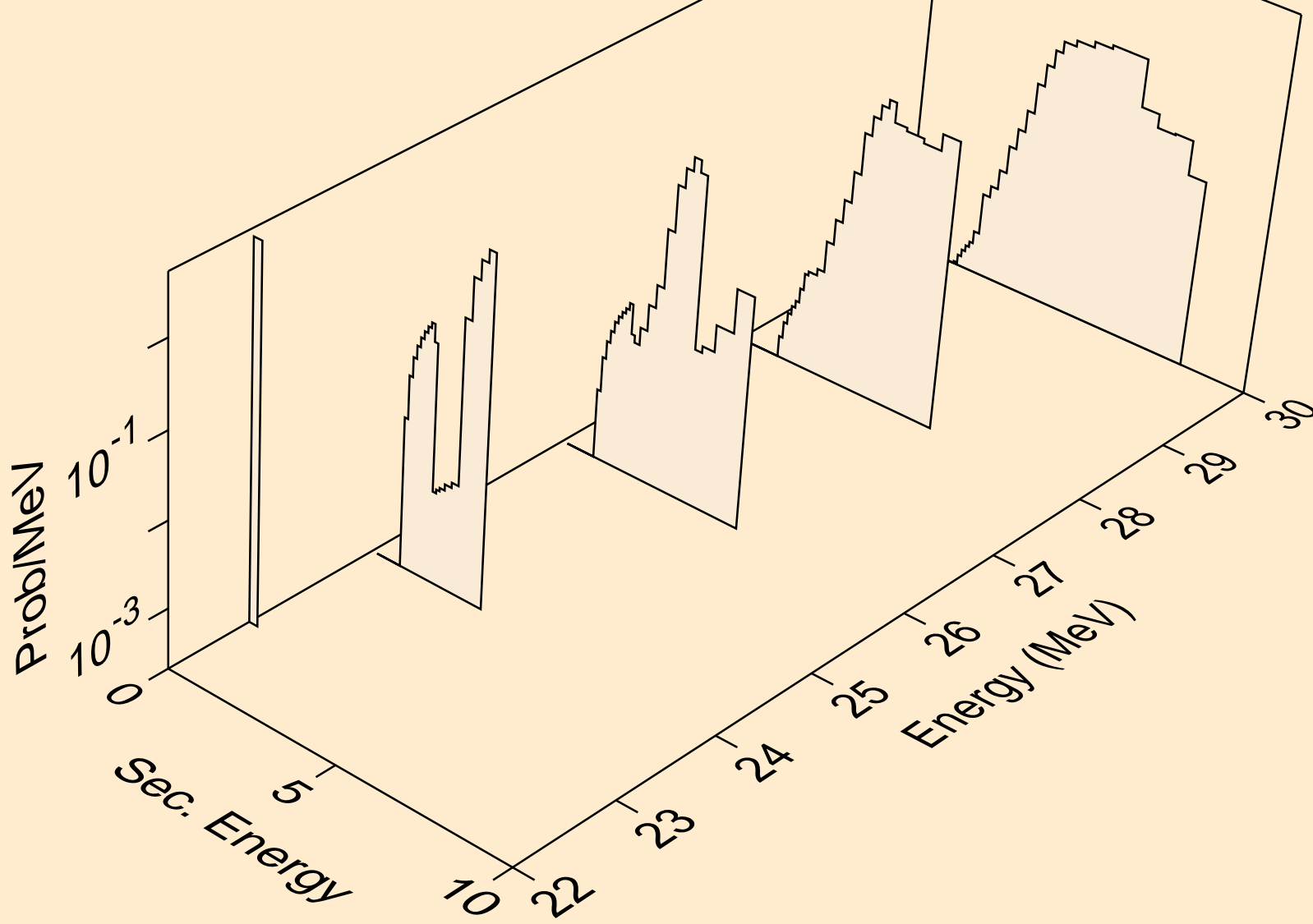
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



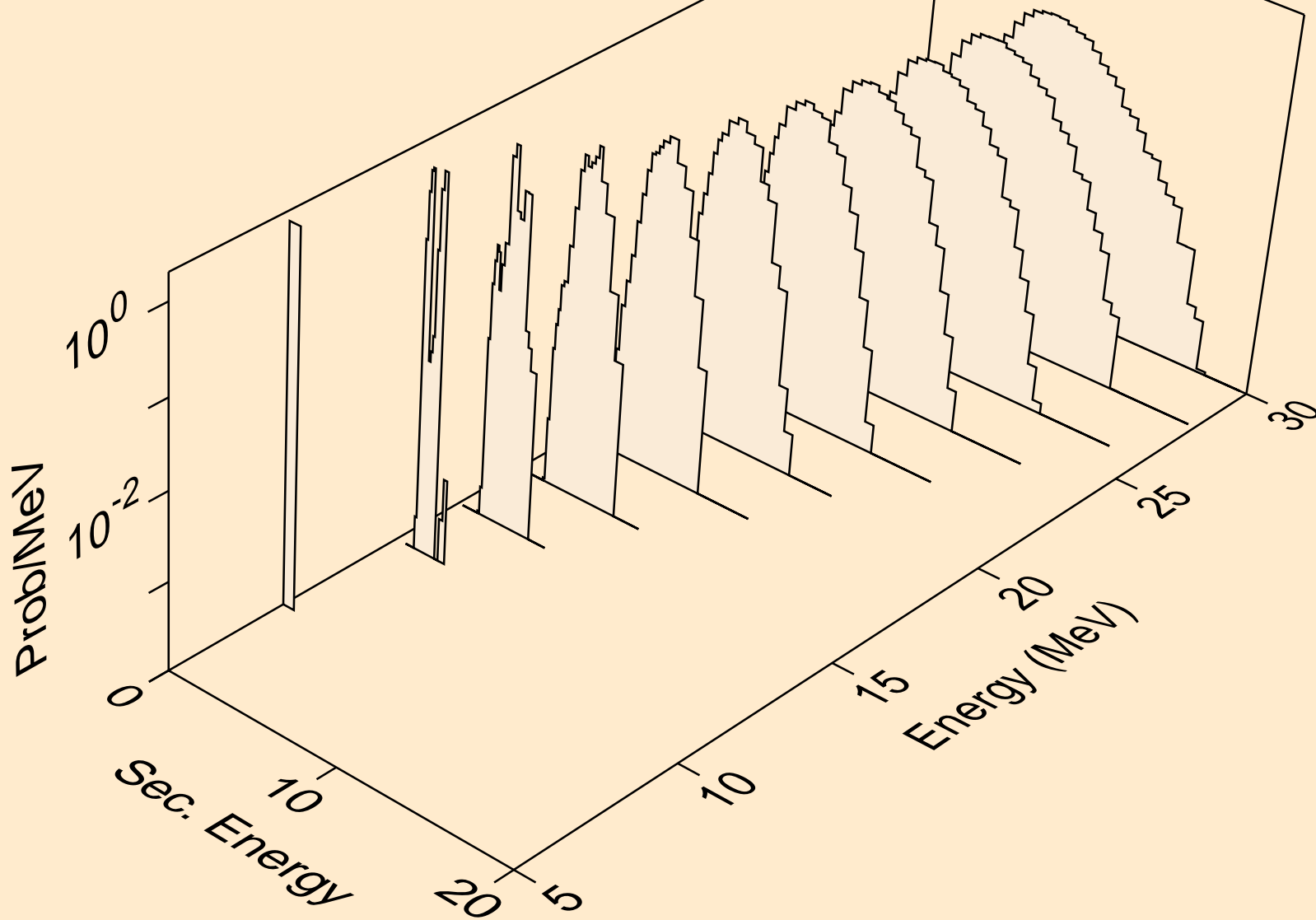
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protons from (n,2np)



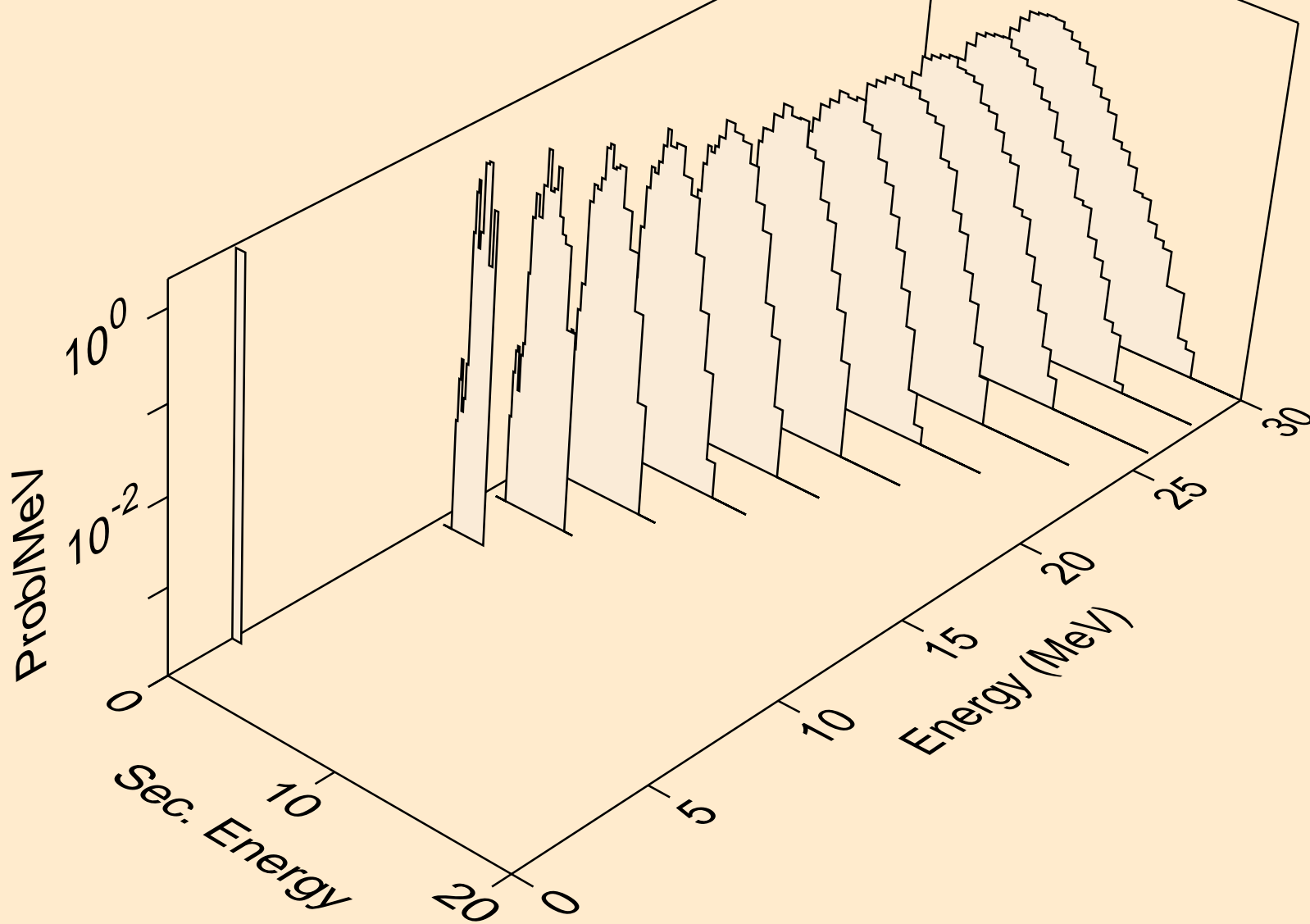
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



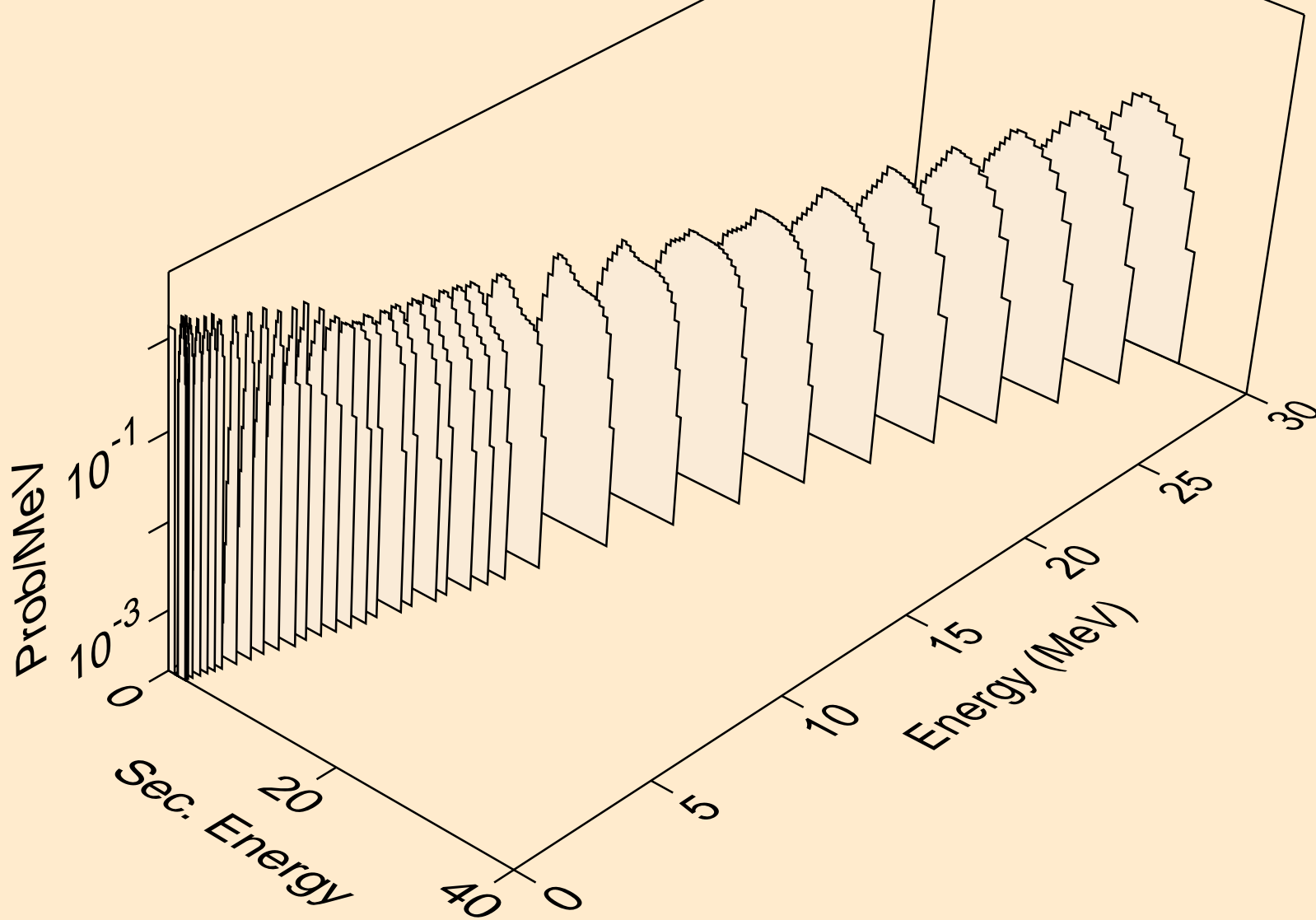
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protons from (n,2np)



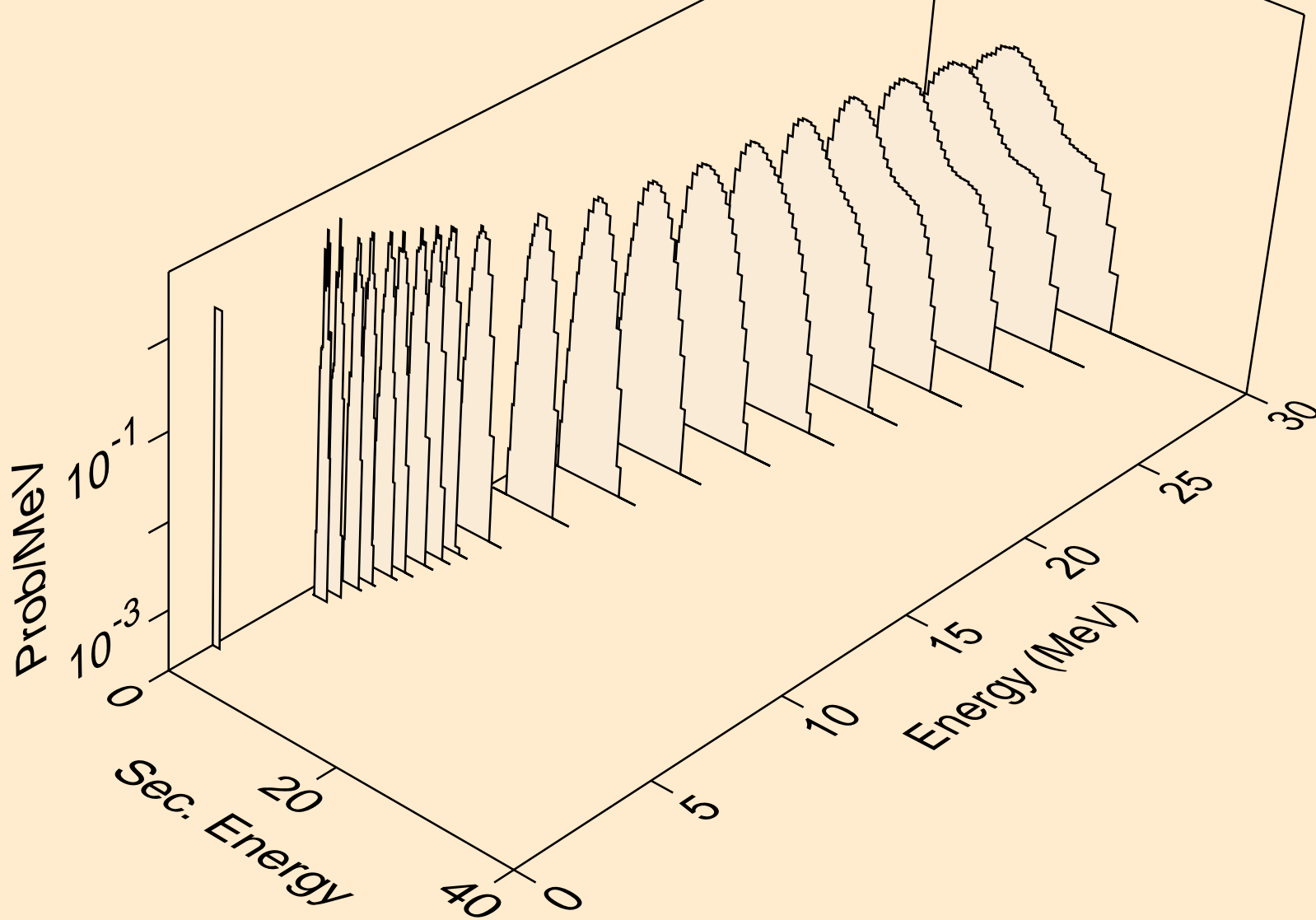
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protons from (n,npa)



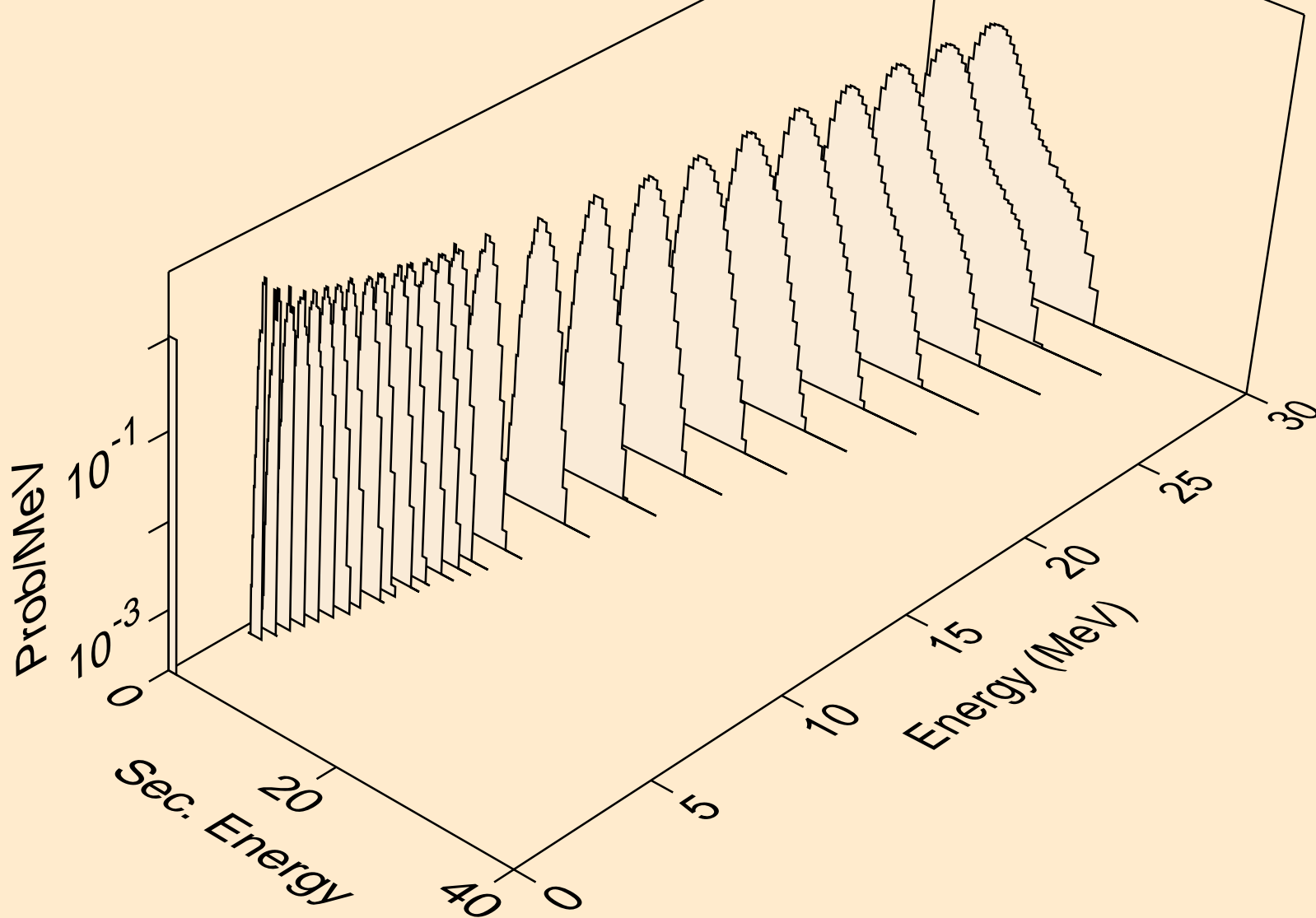
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

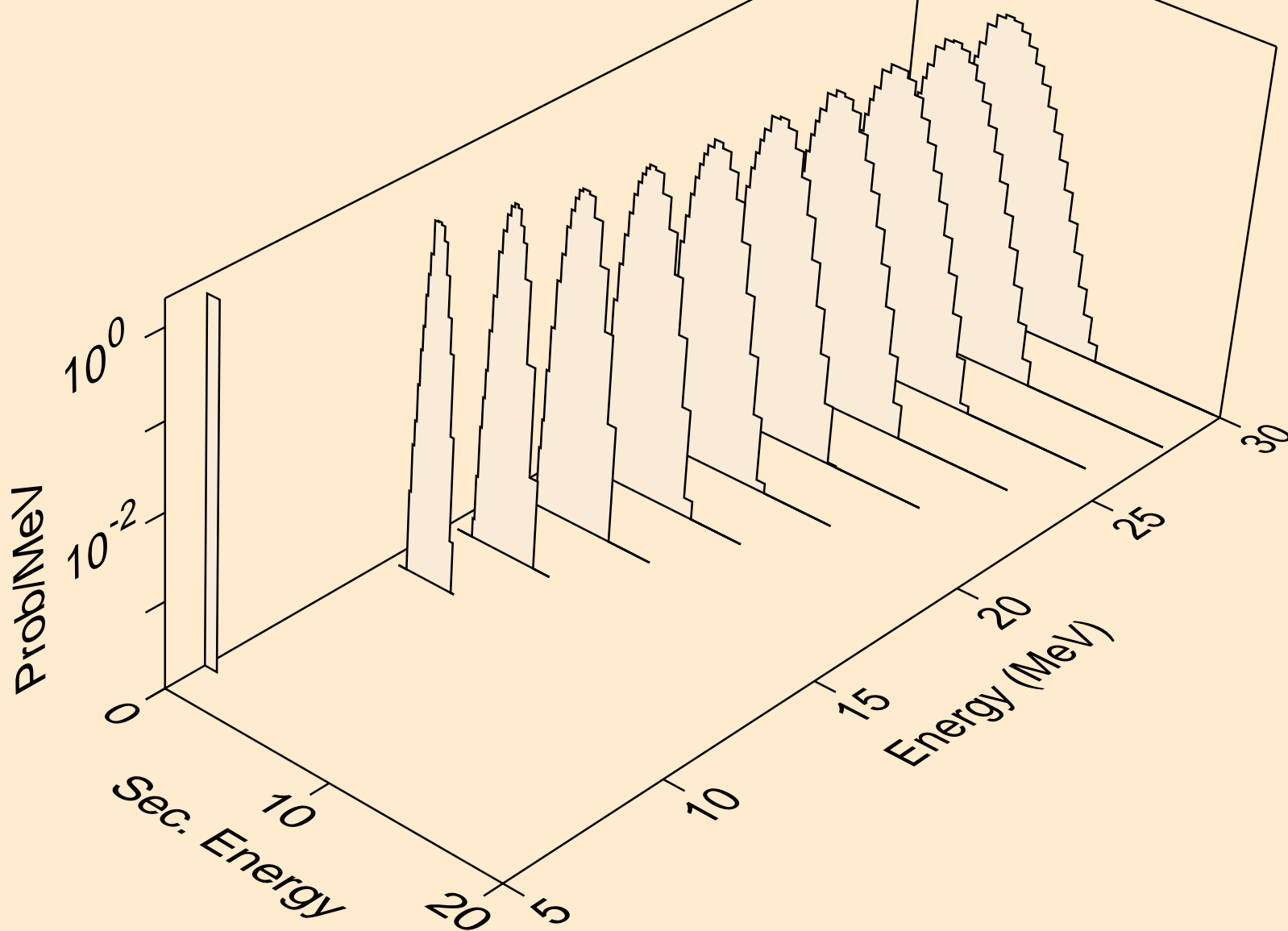


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

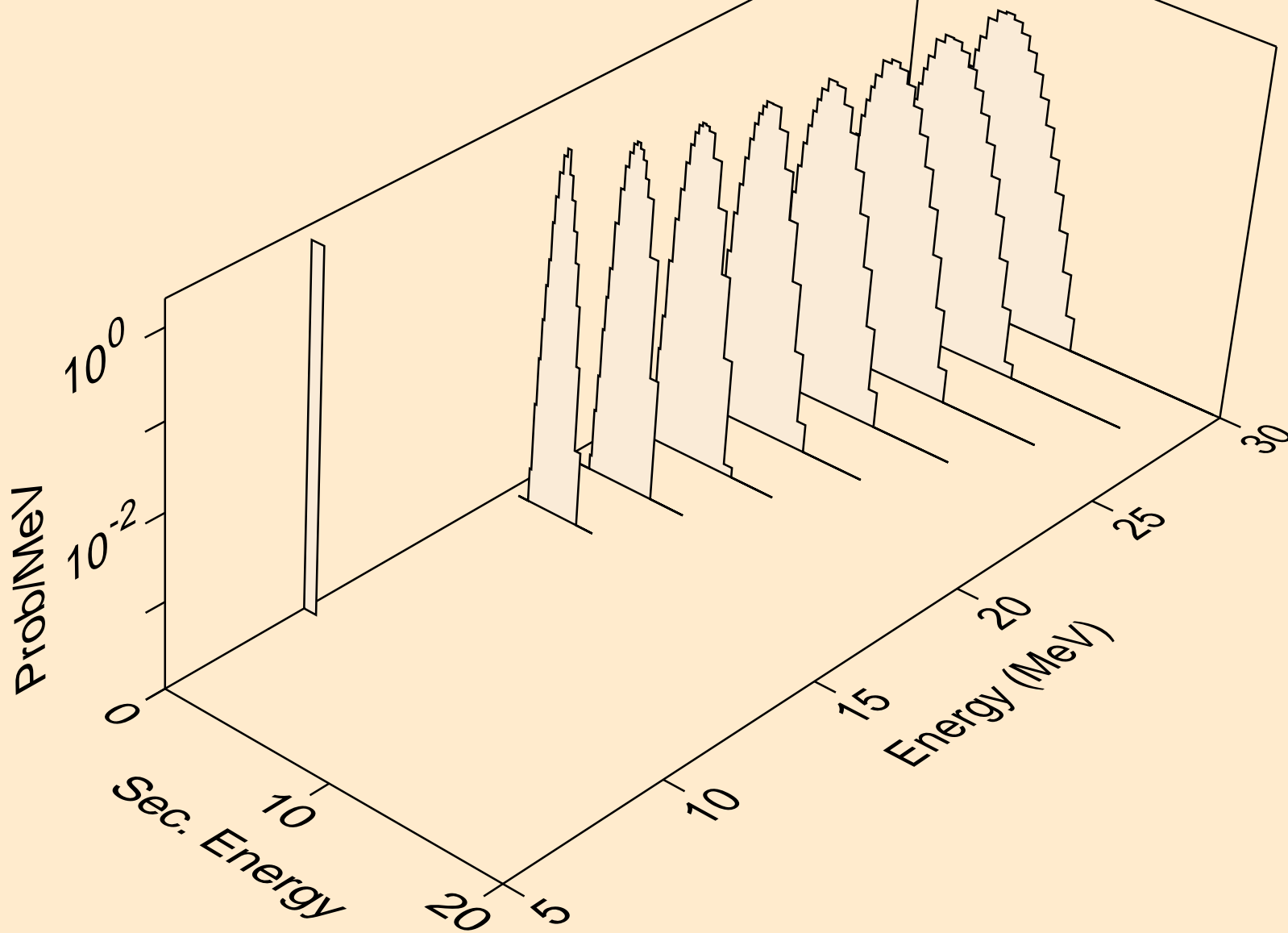




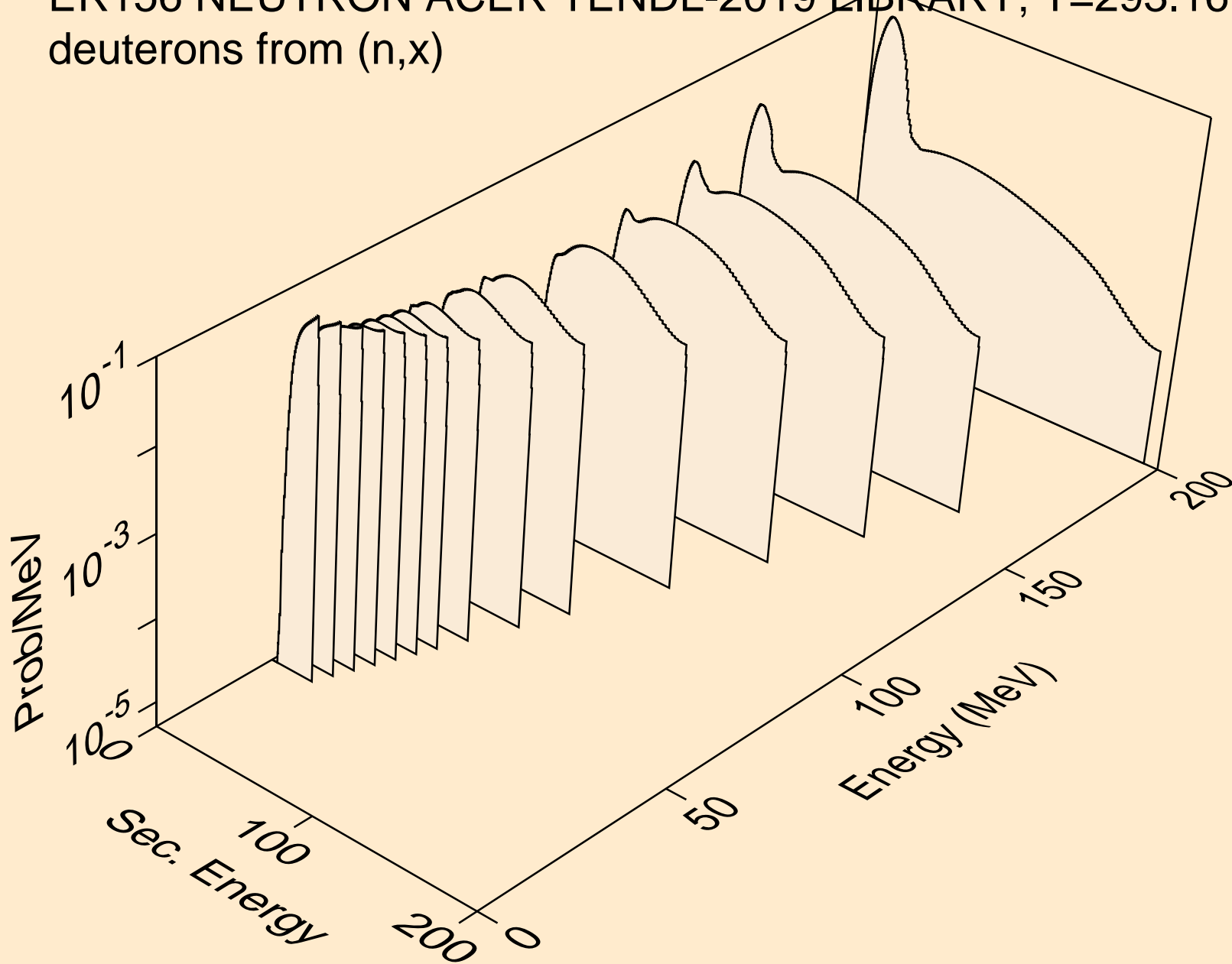
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



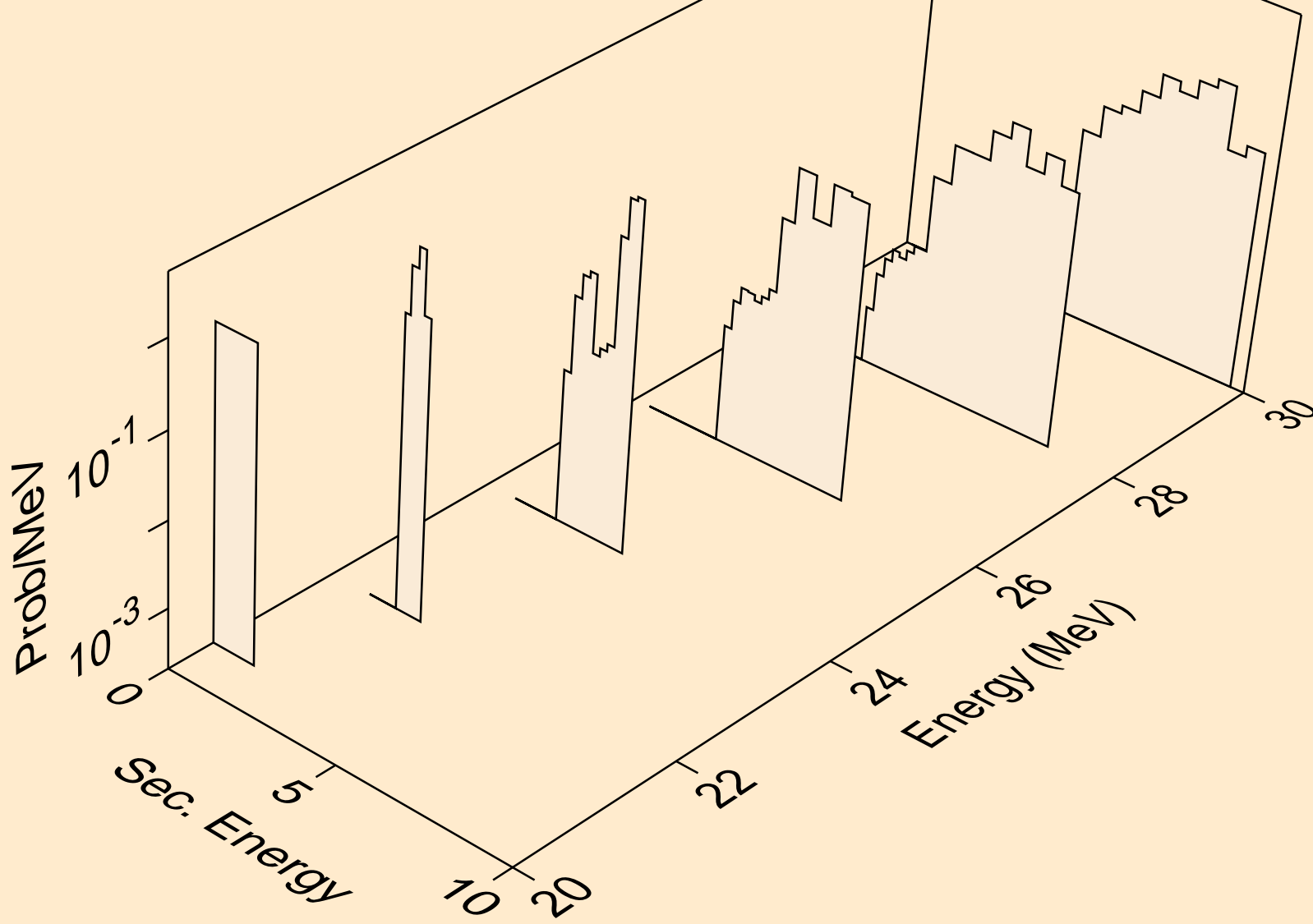
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



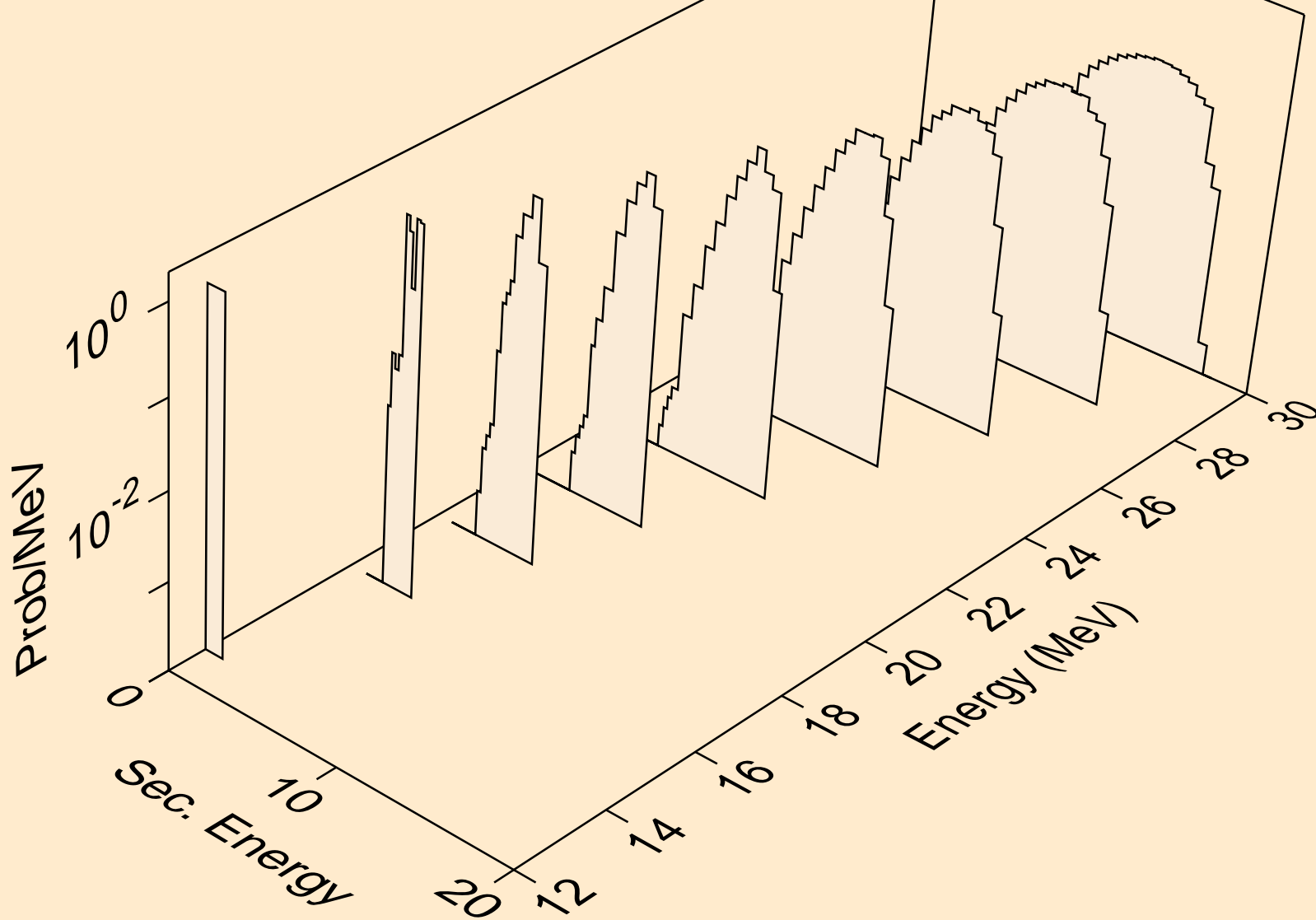
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



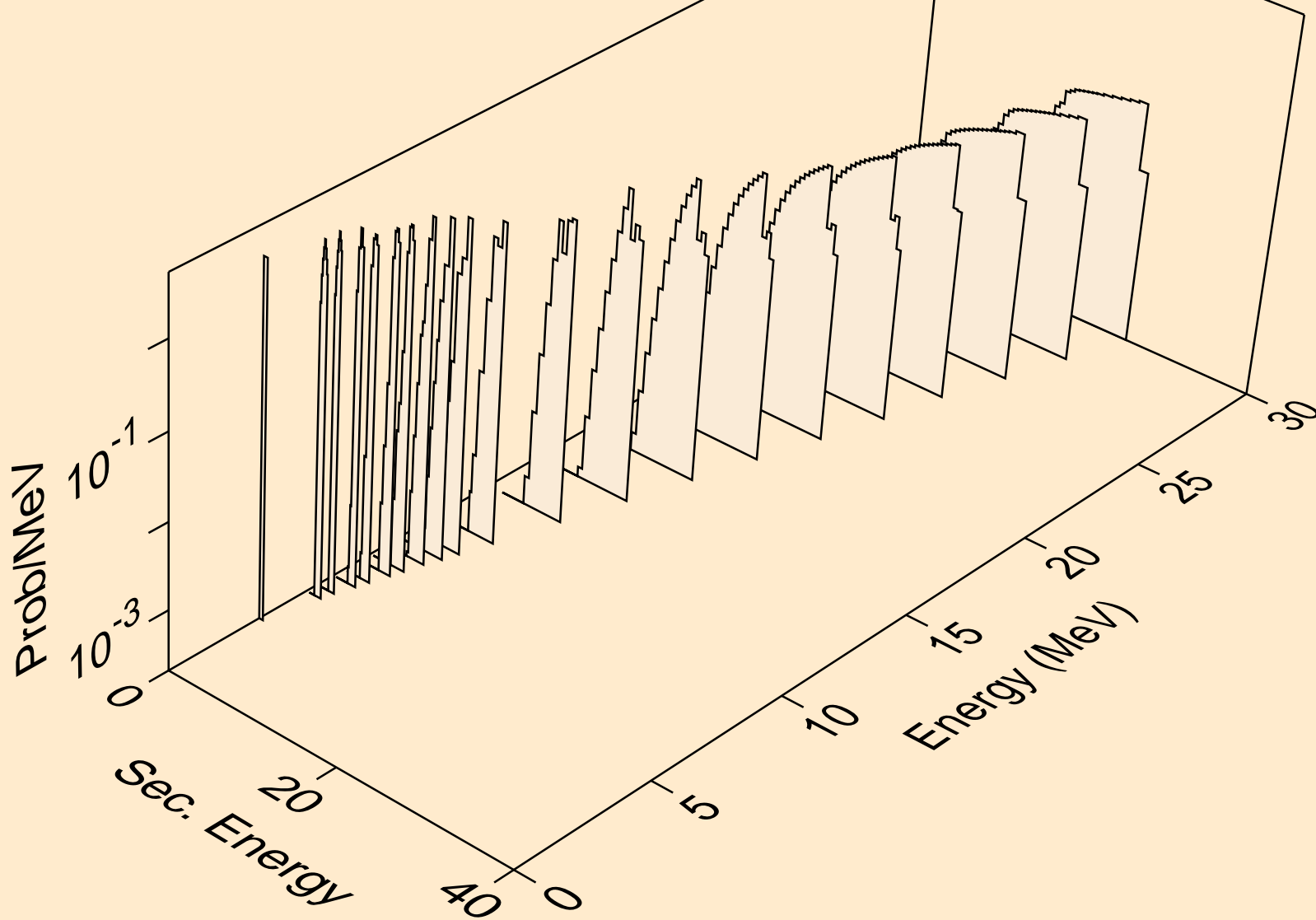
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



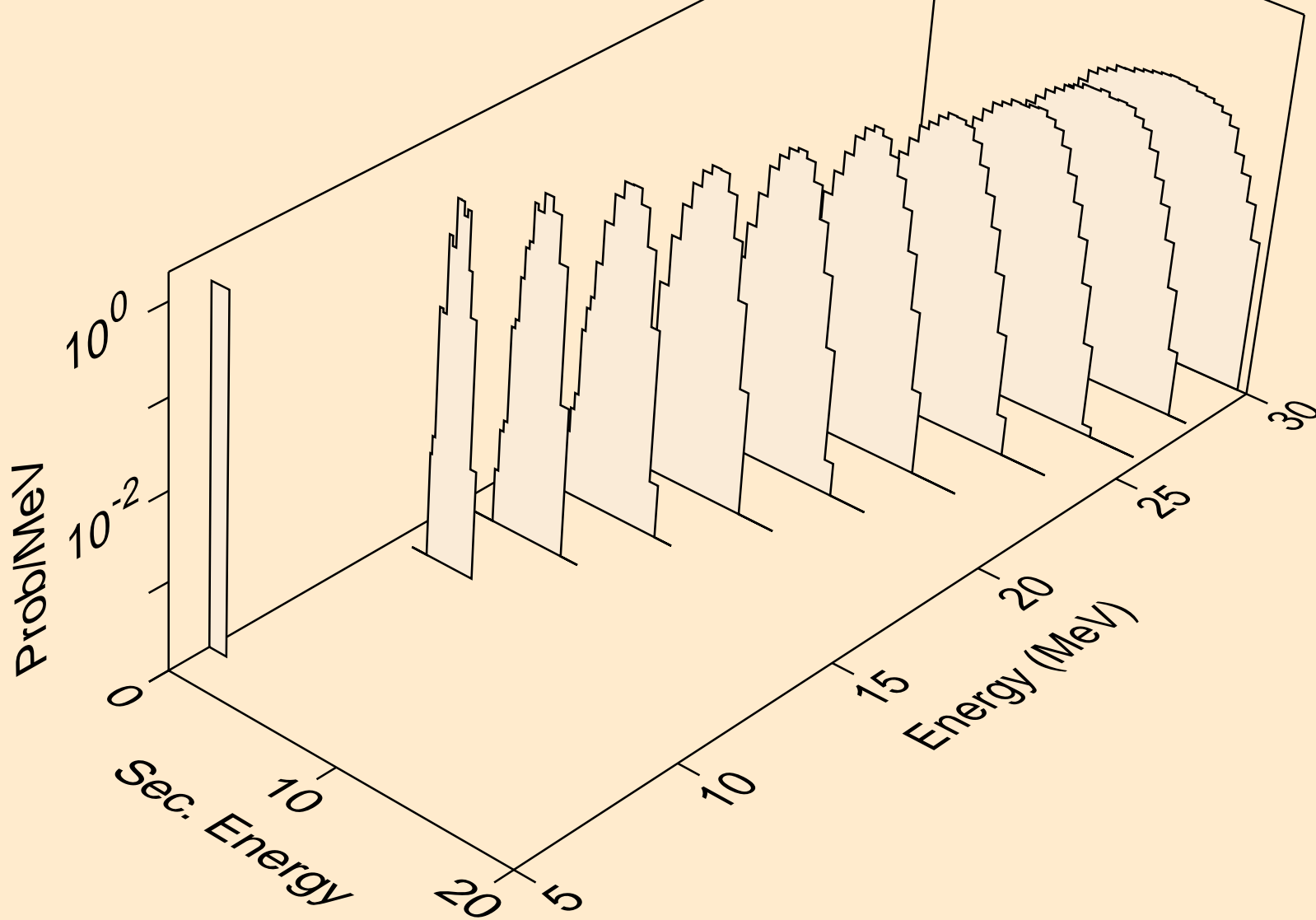
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



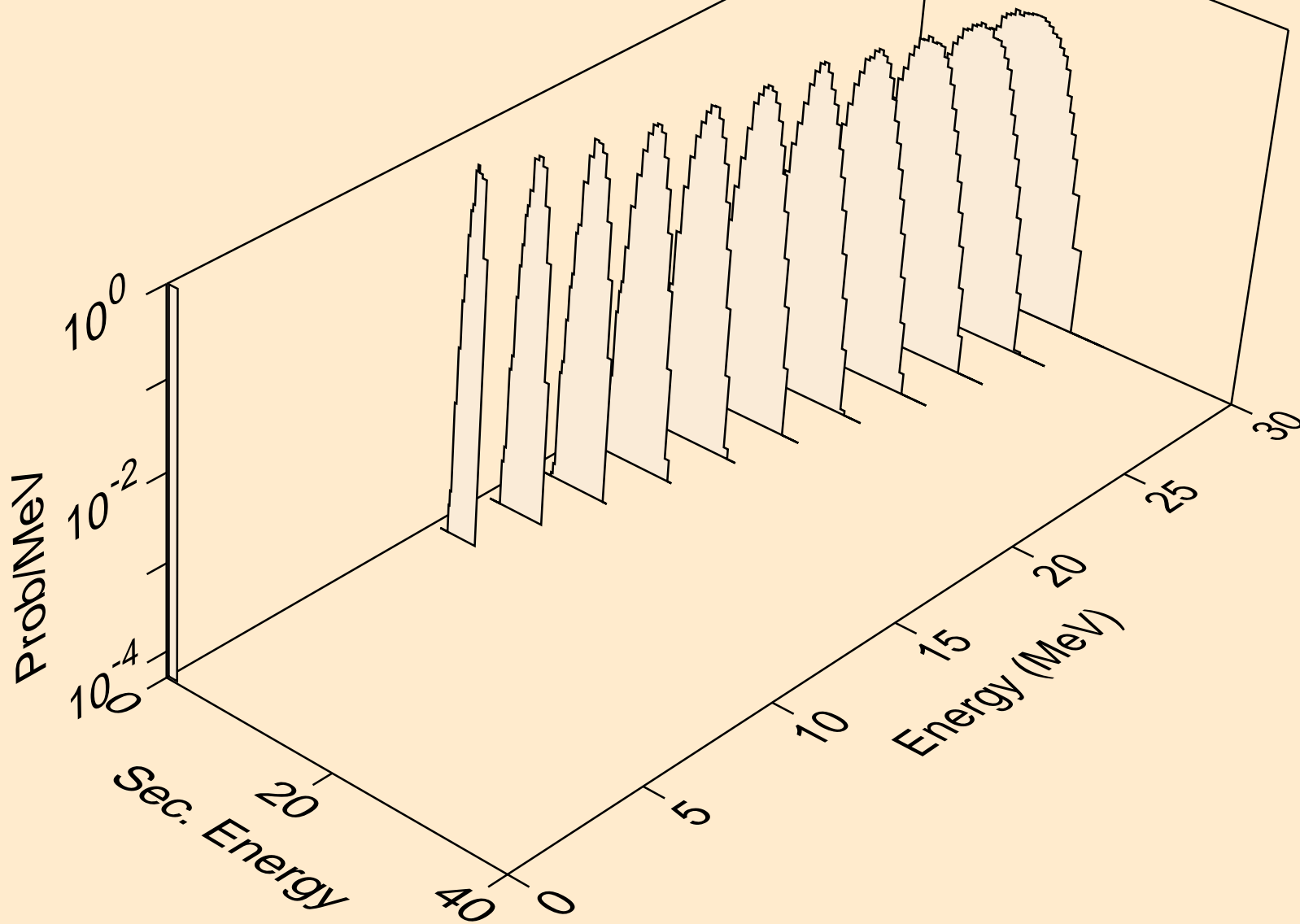
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

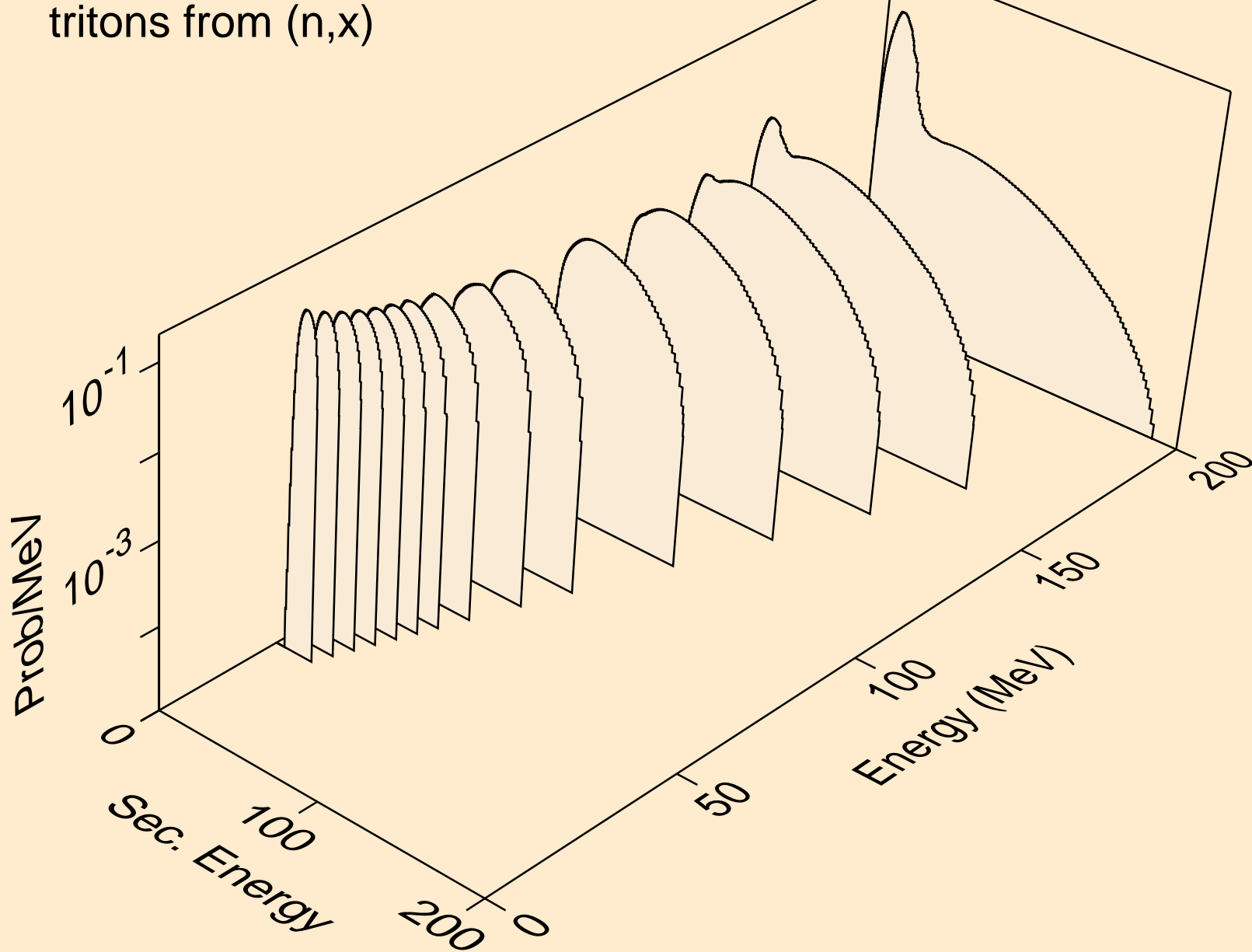


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deuterons from (n,da)

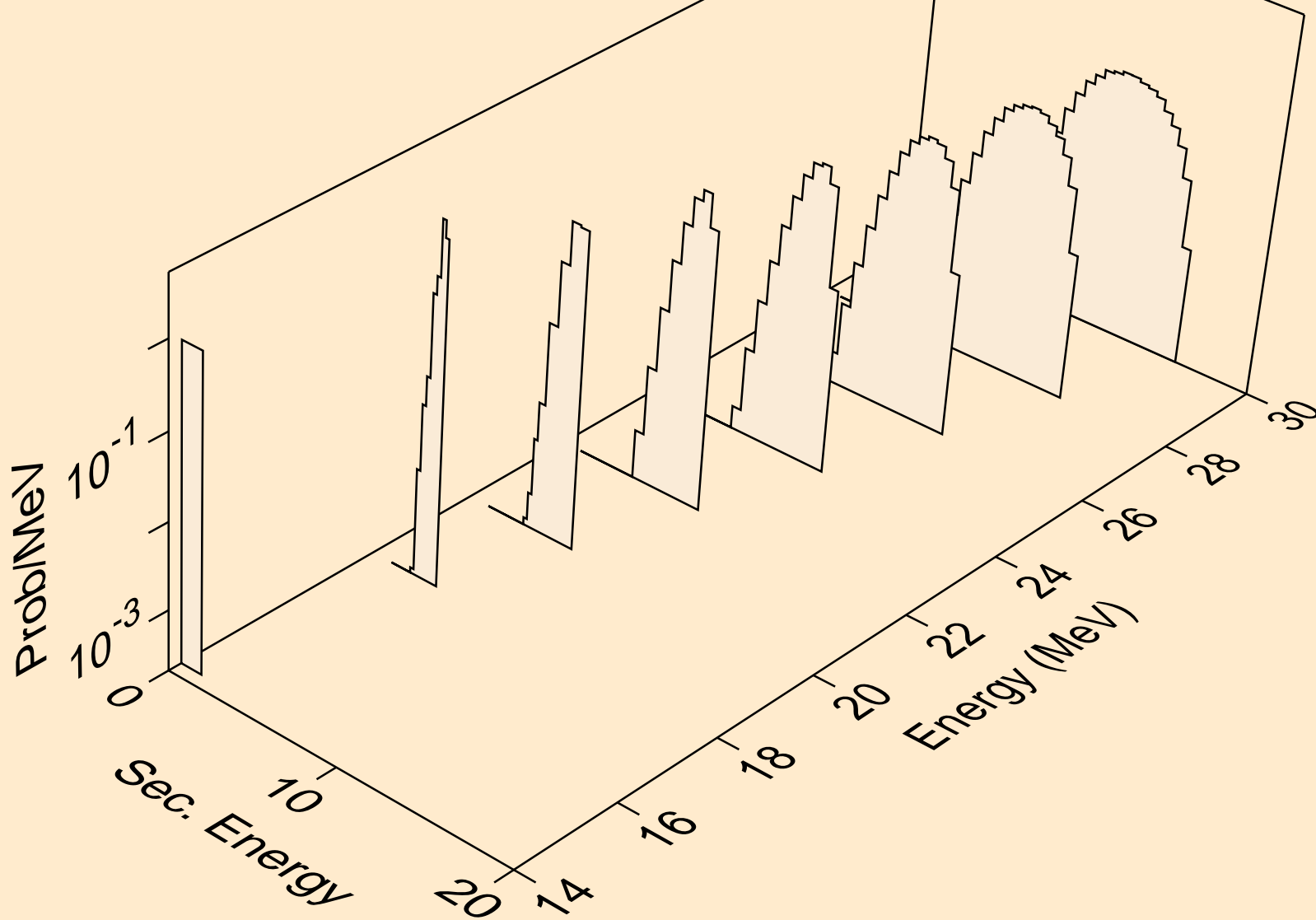




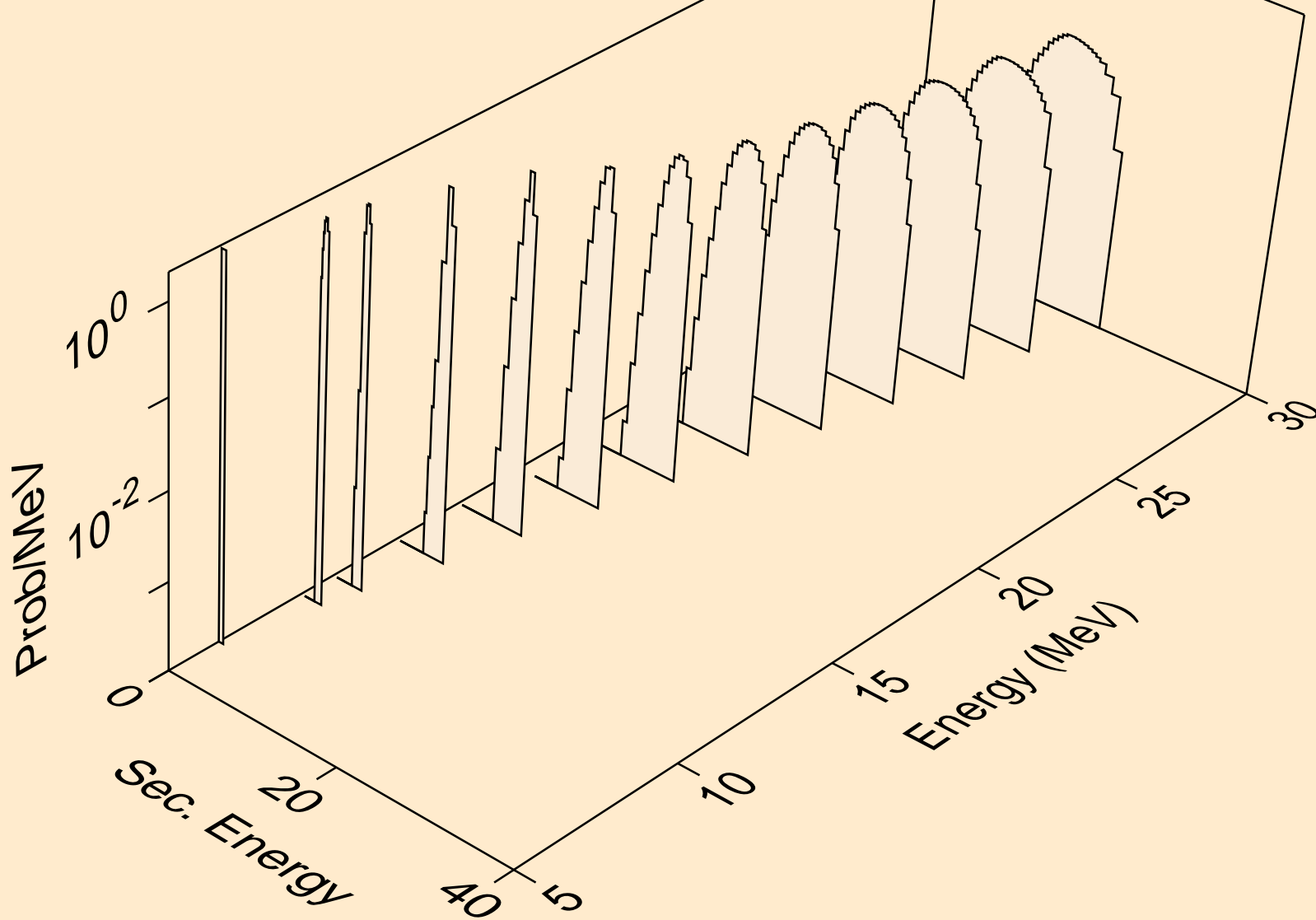
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



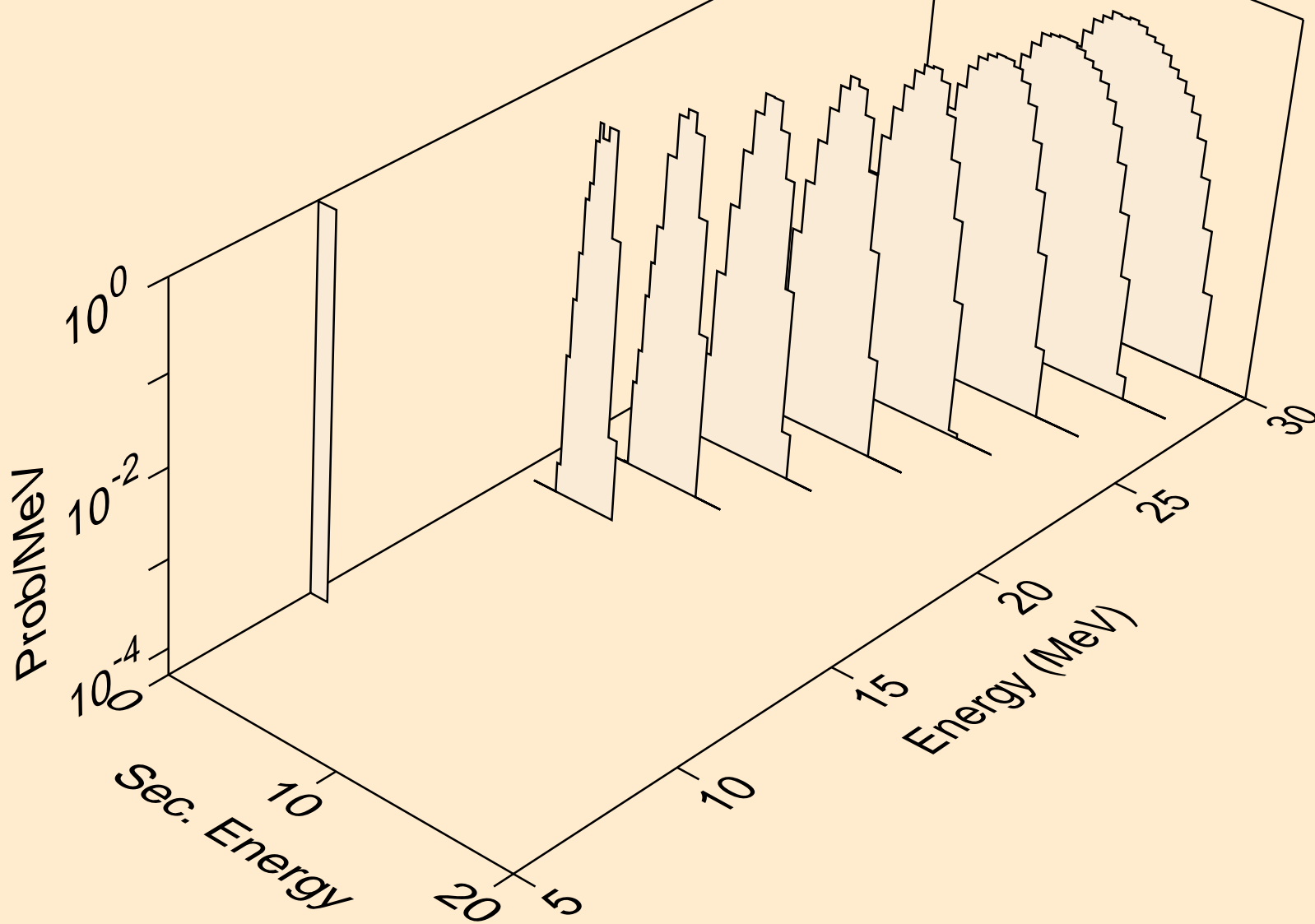
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



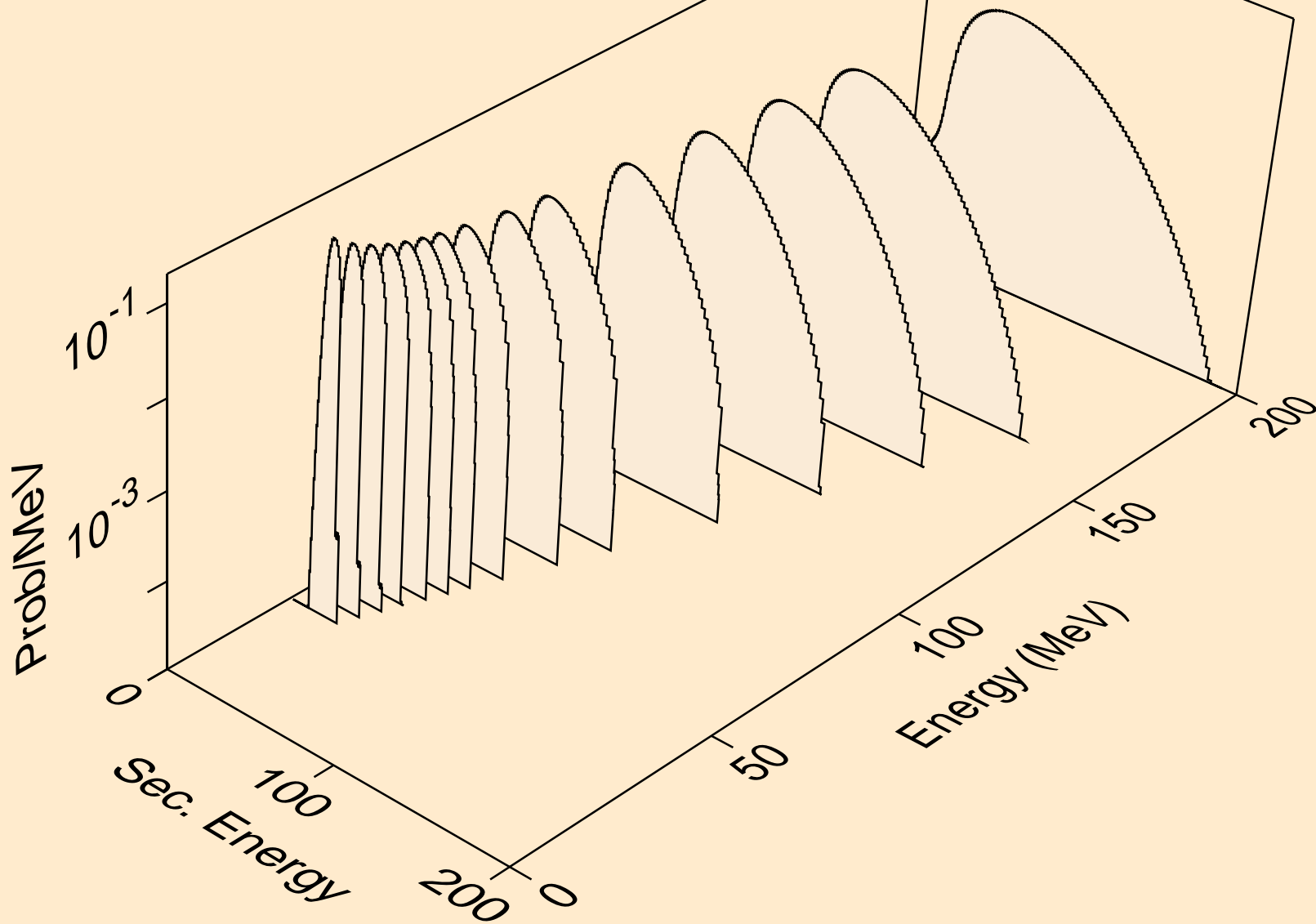
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



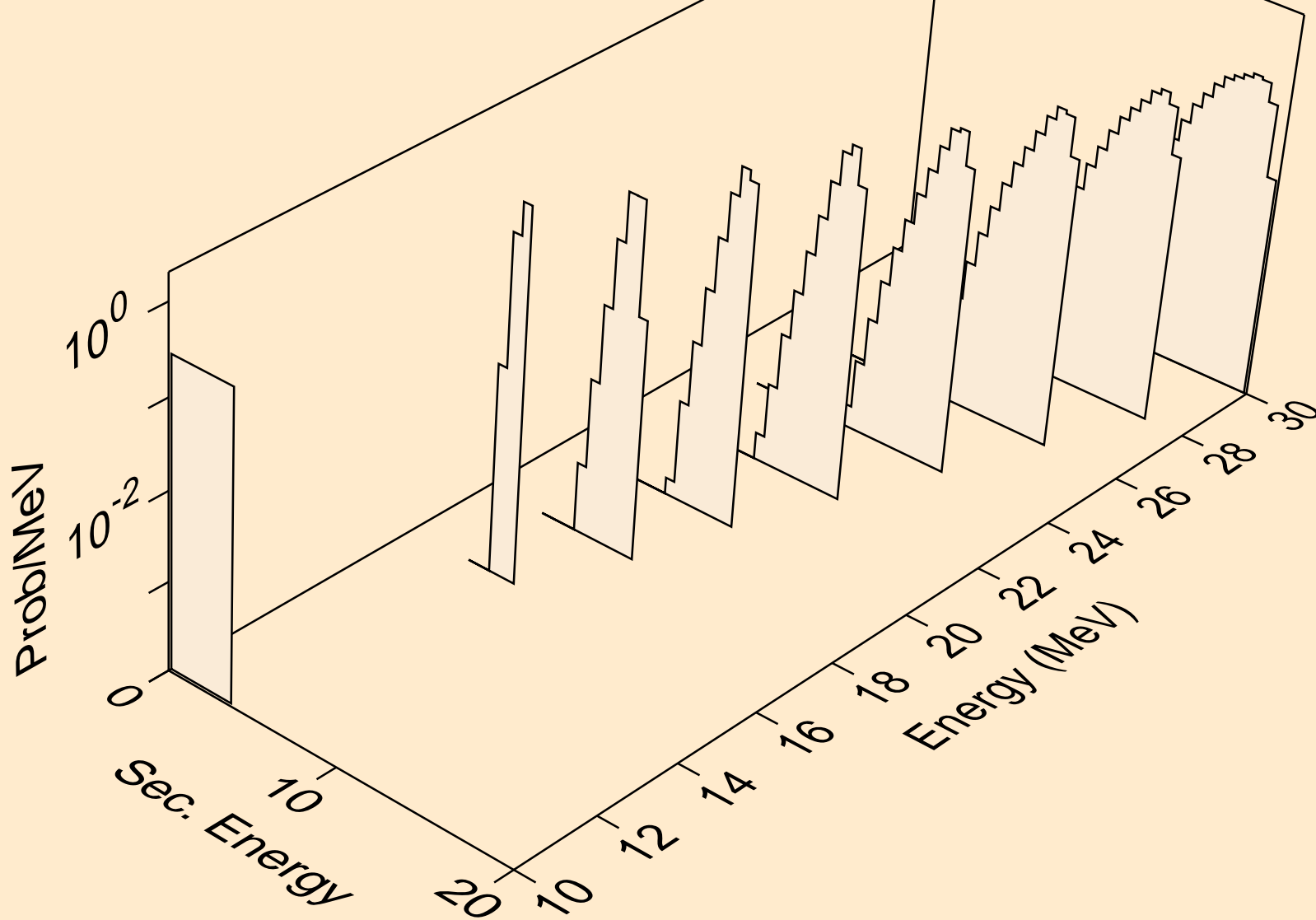
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



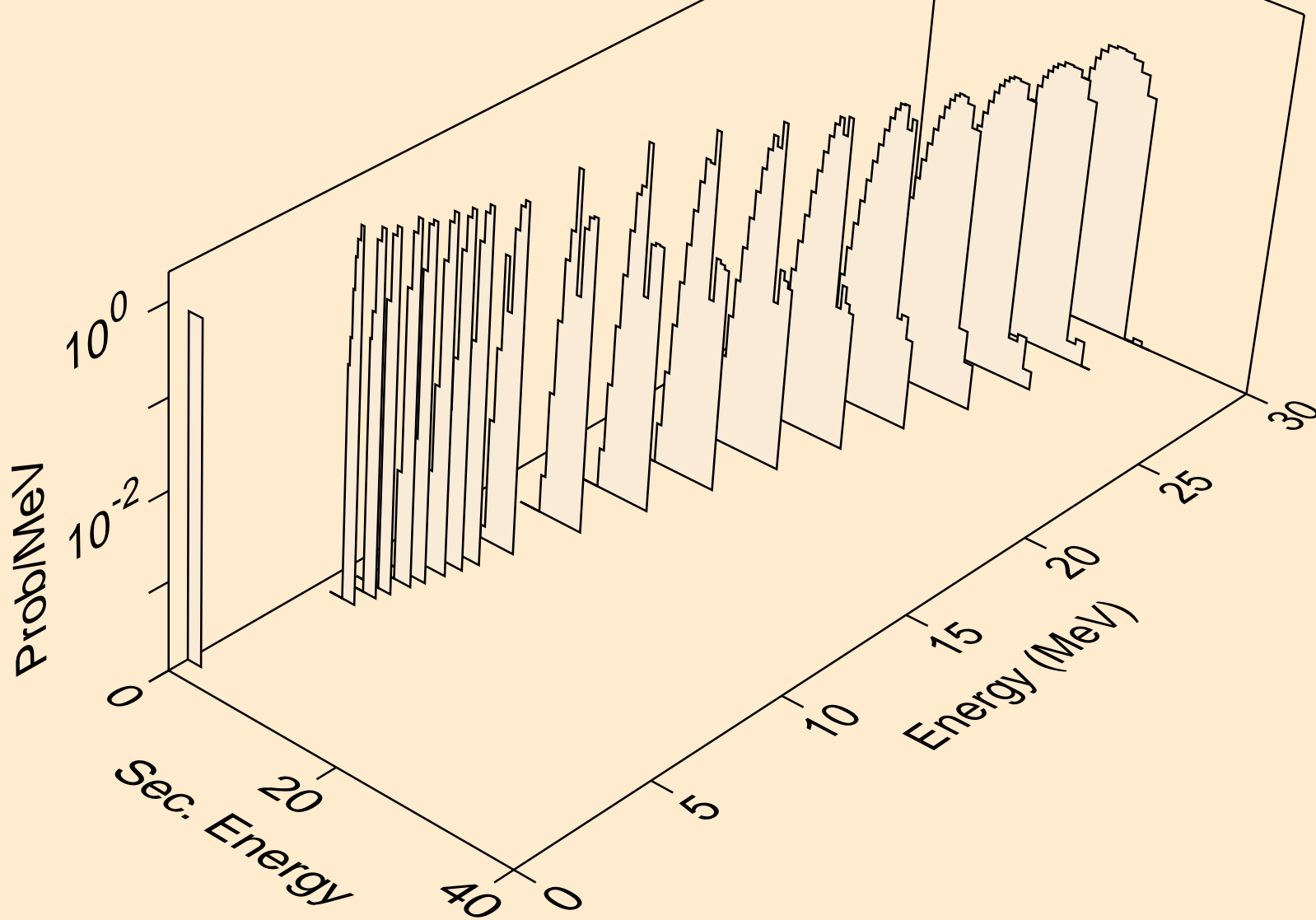
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



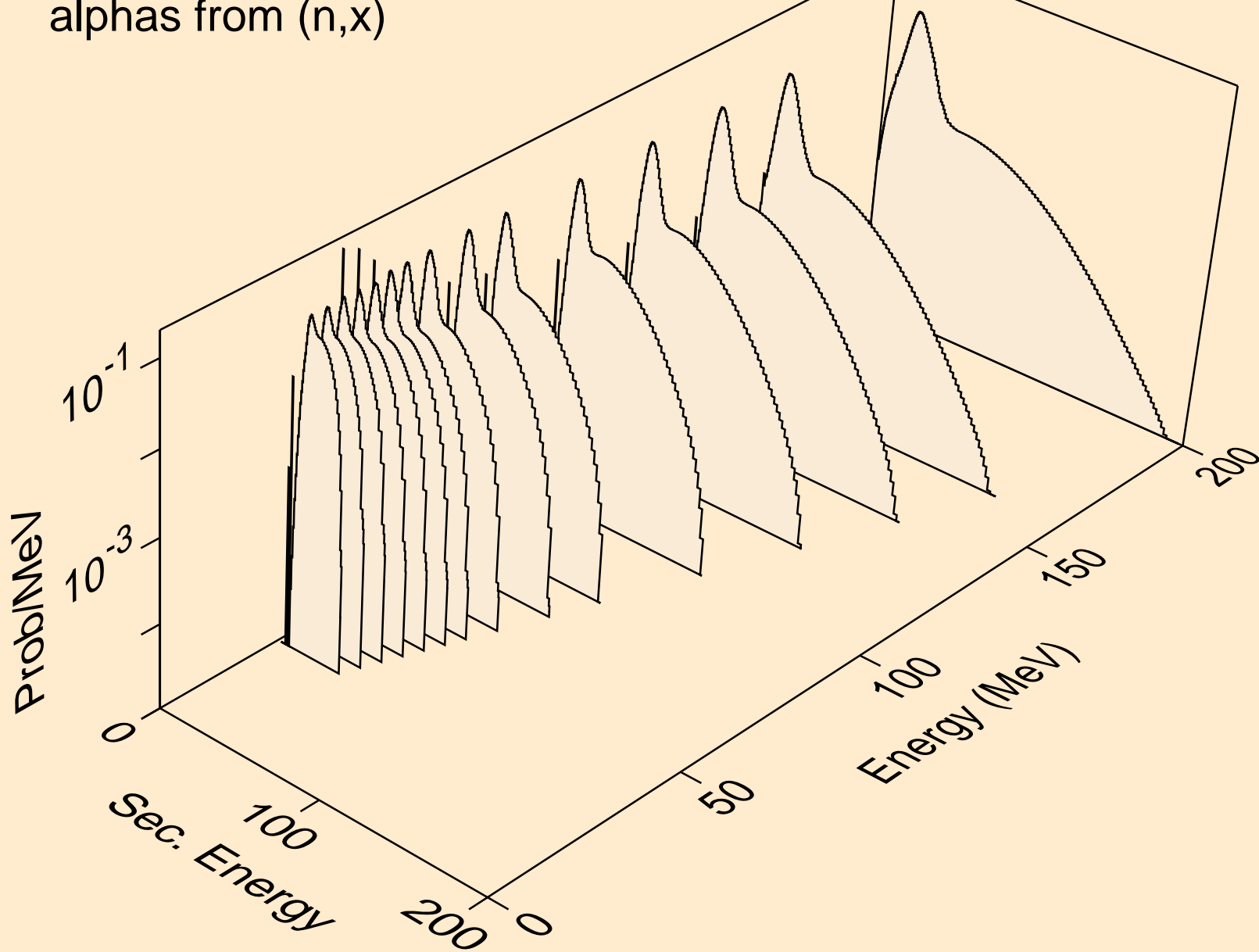
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

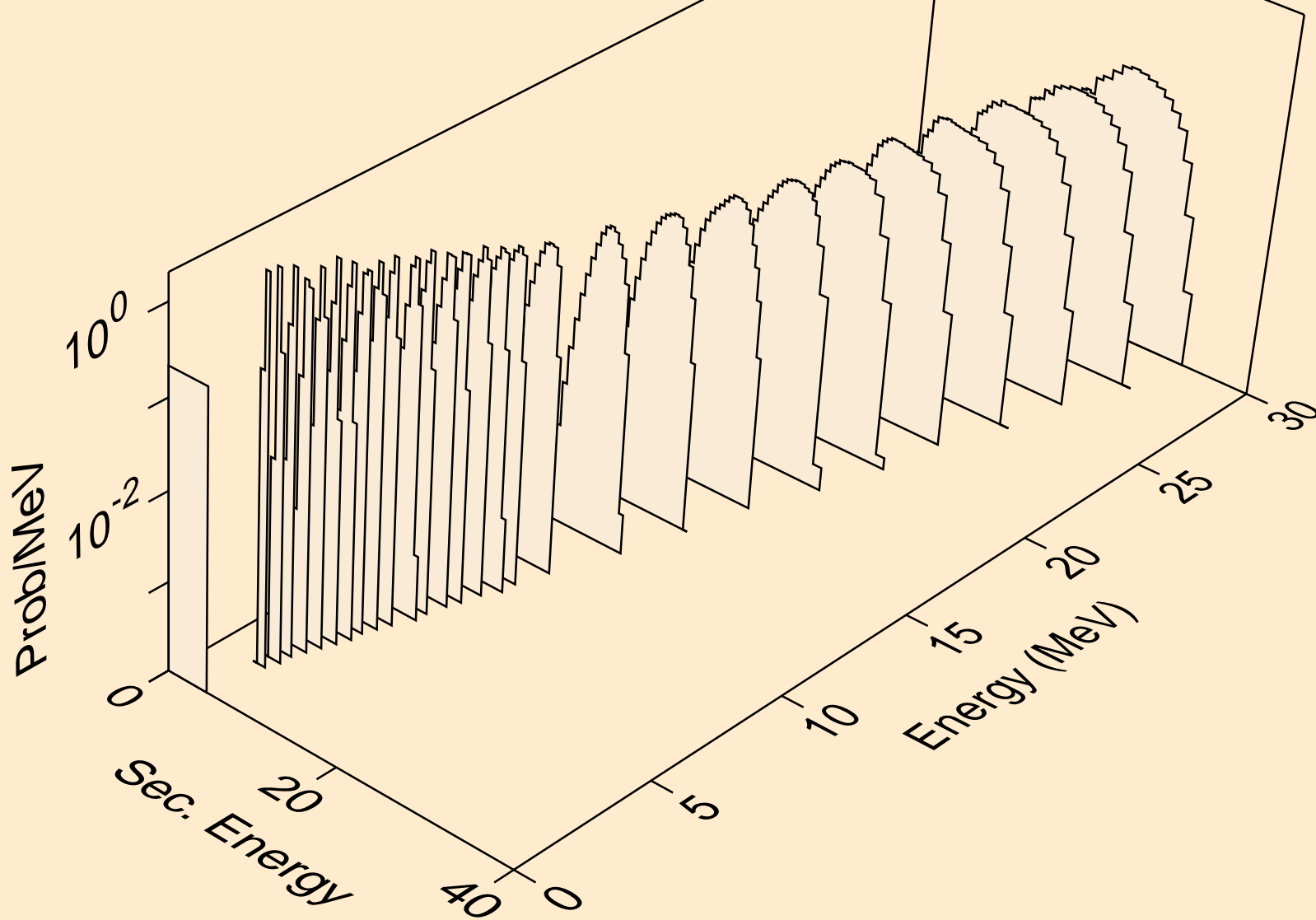


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

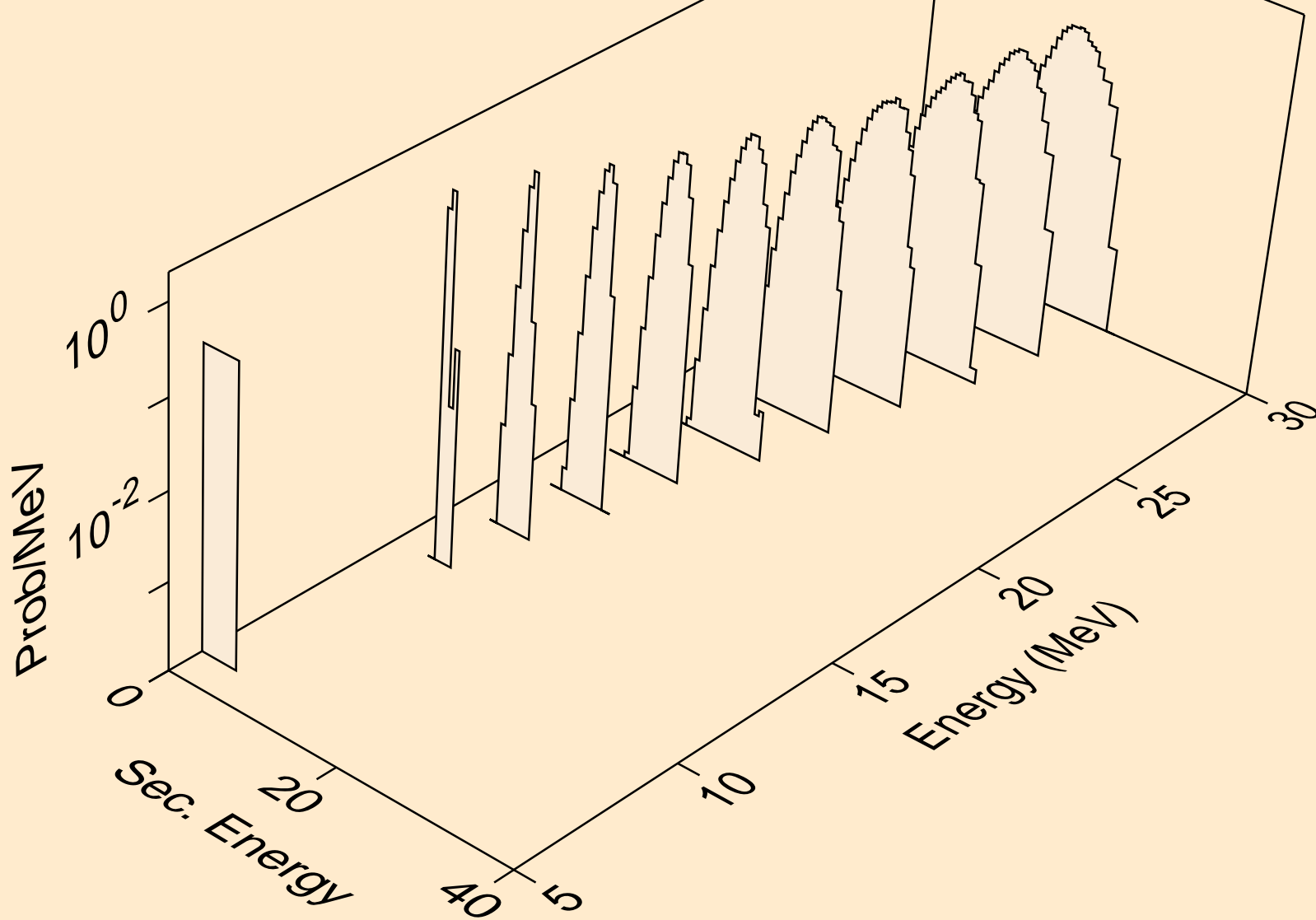




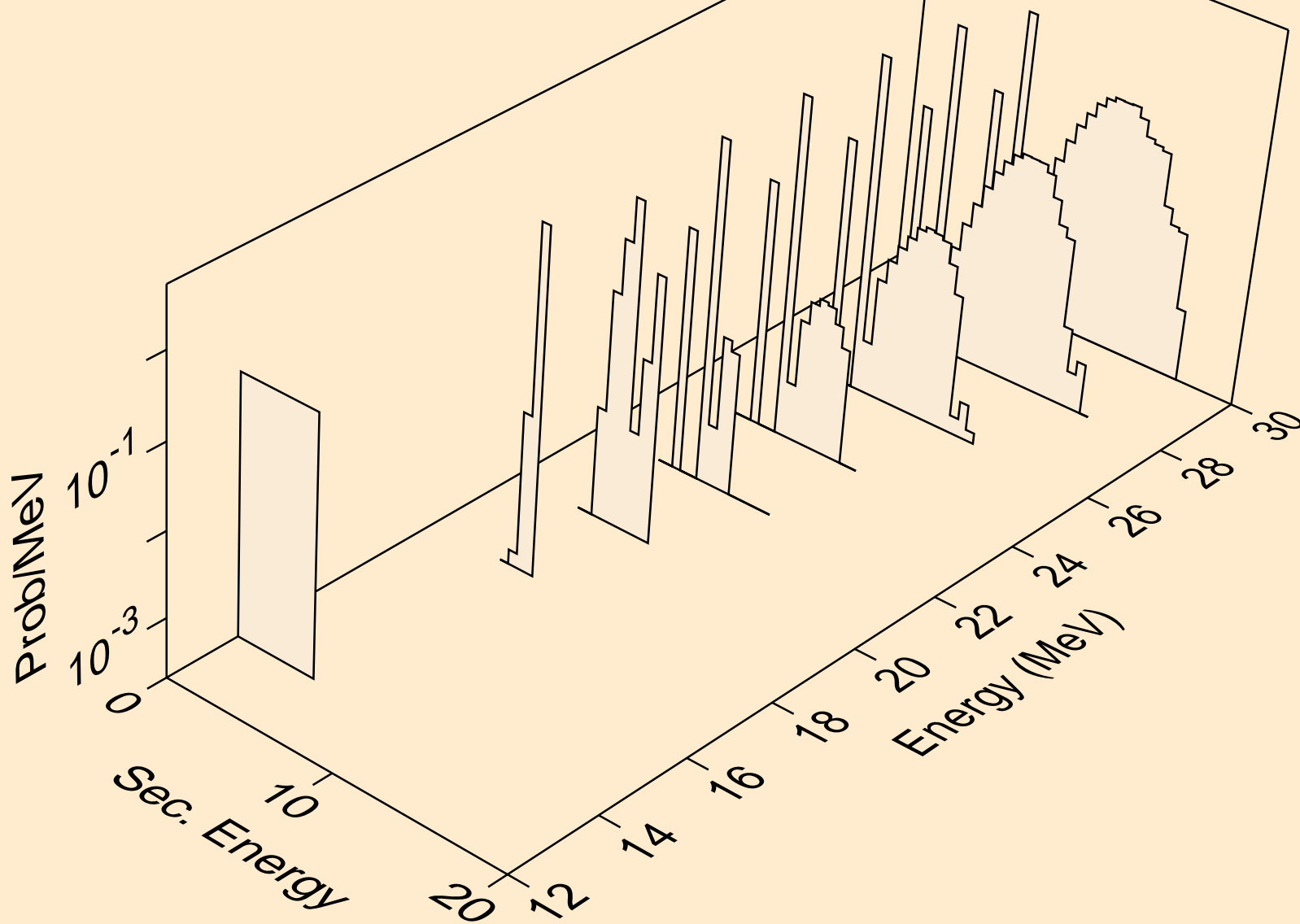
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



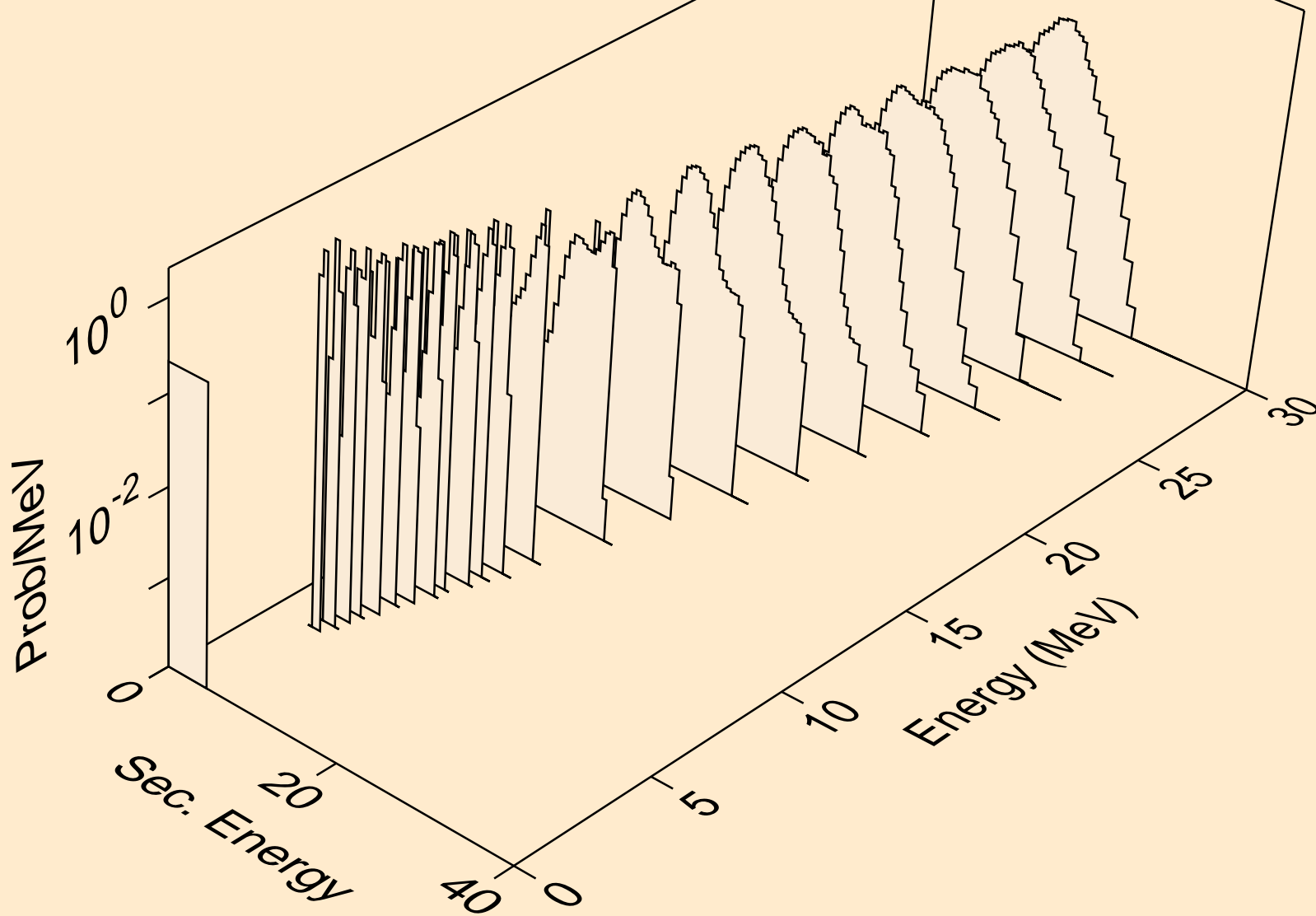
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



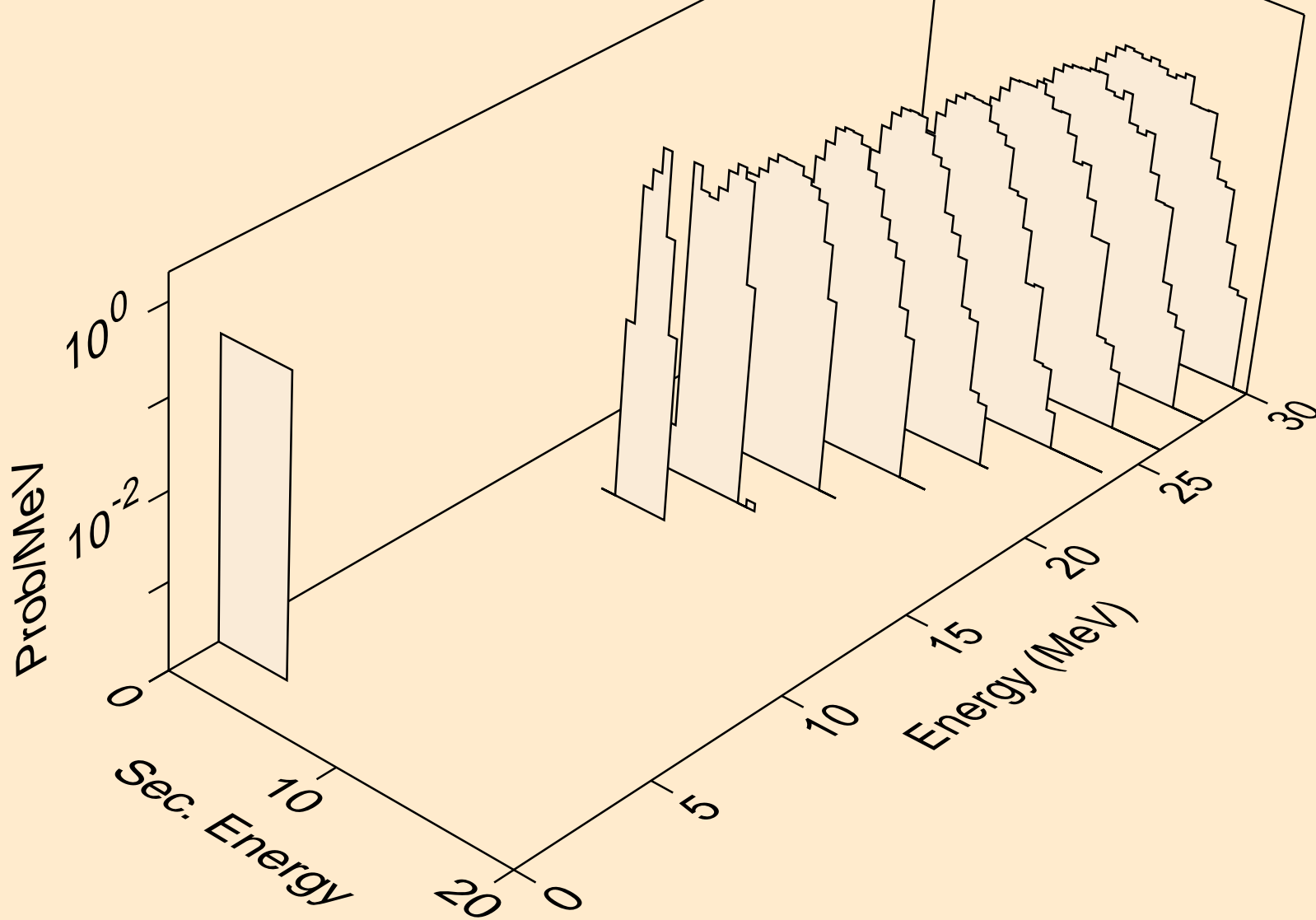
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



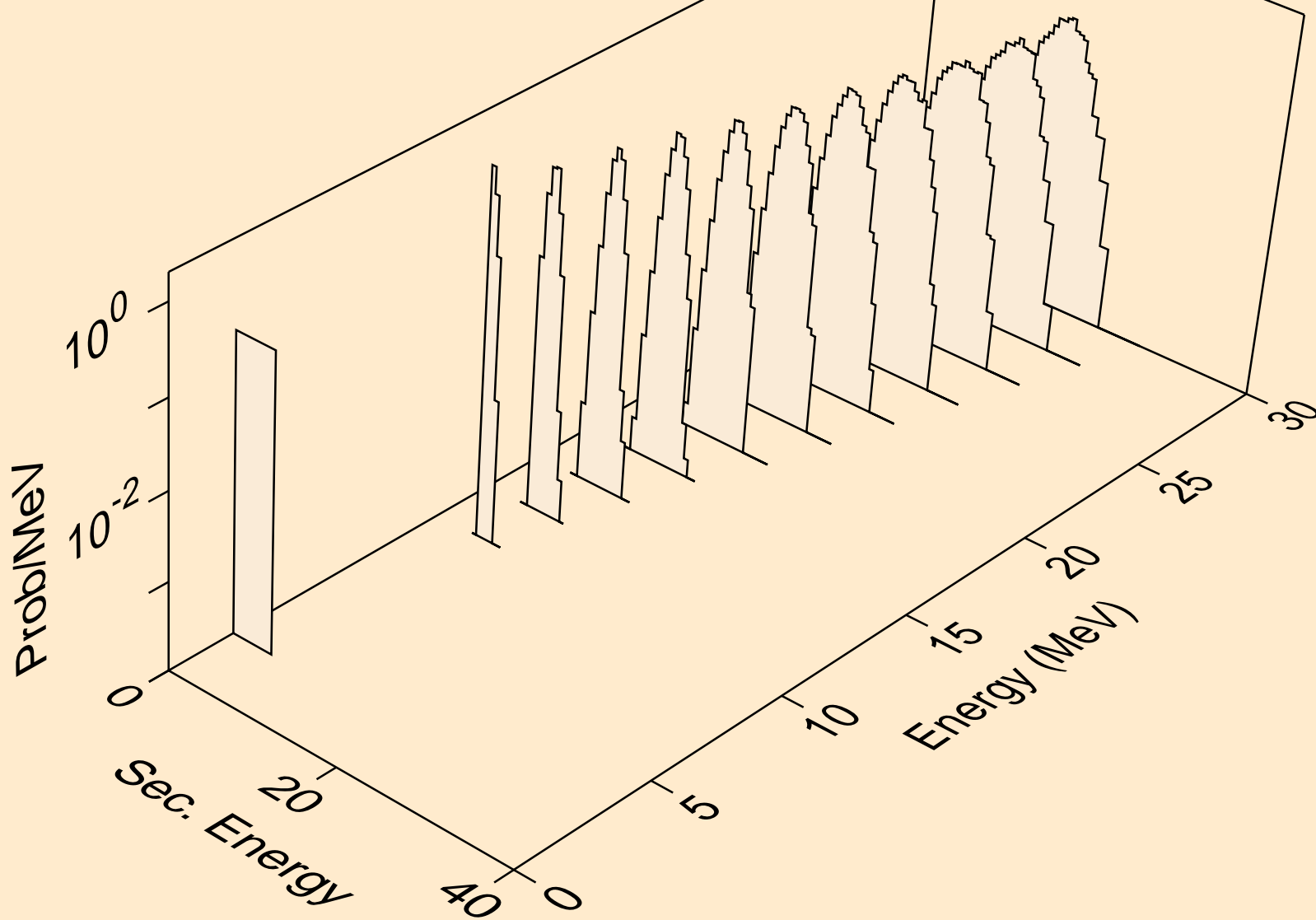
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



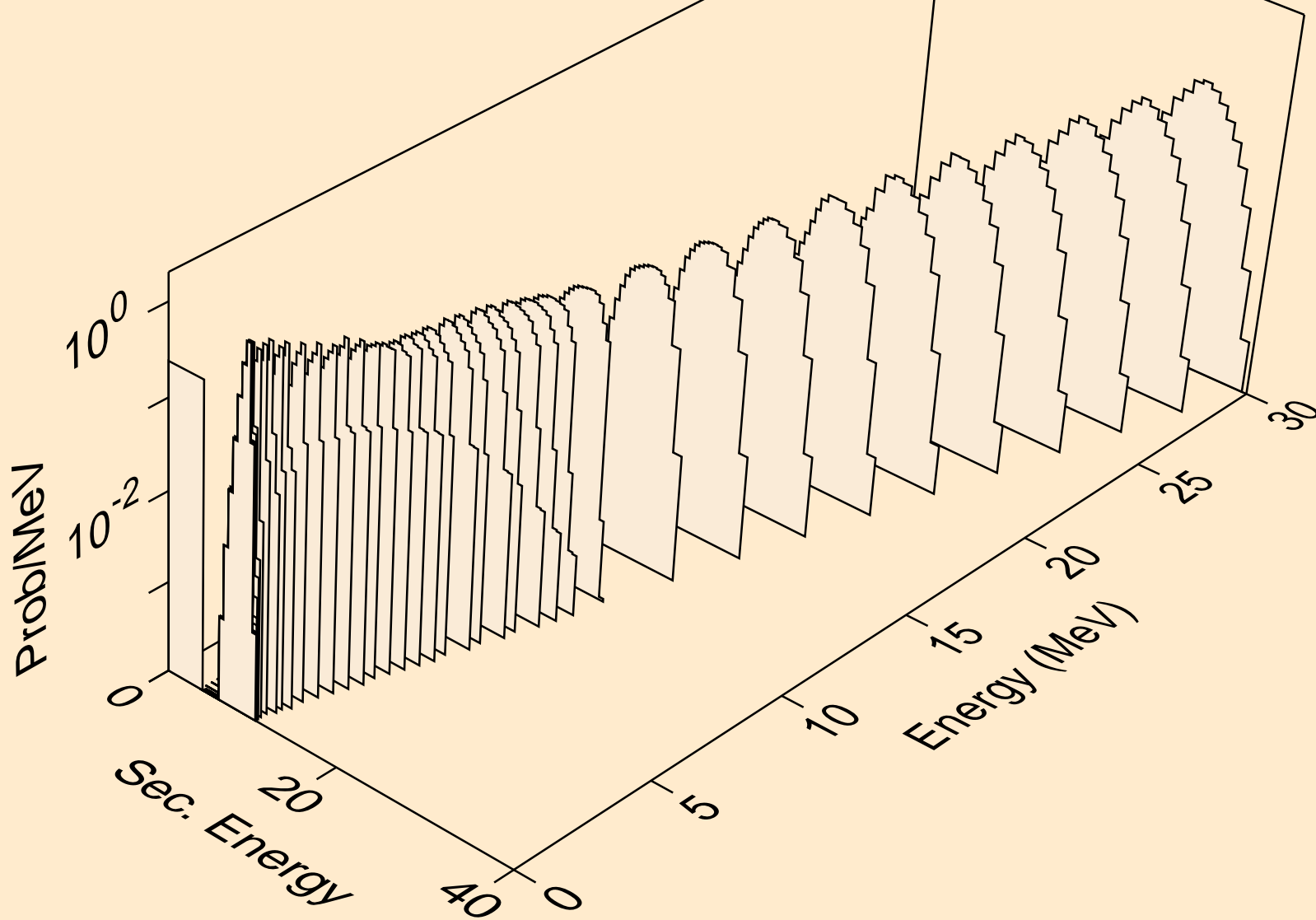
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



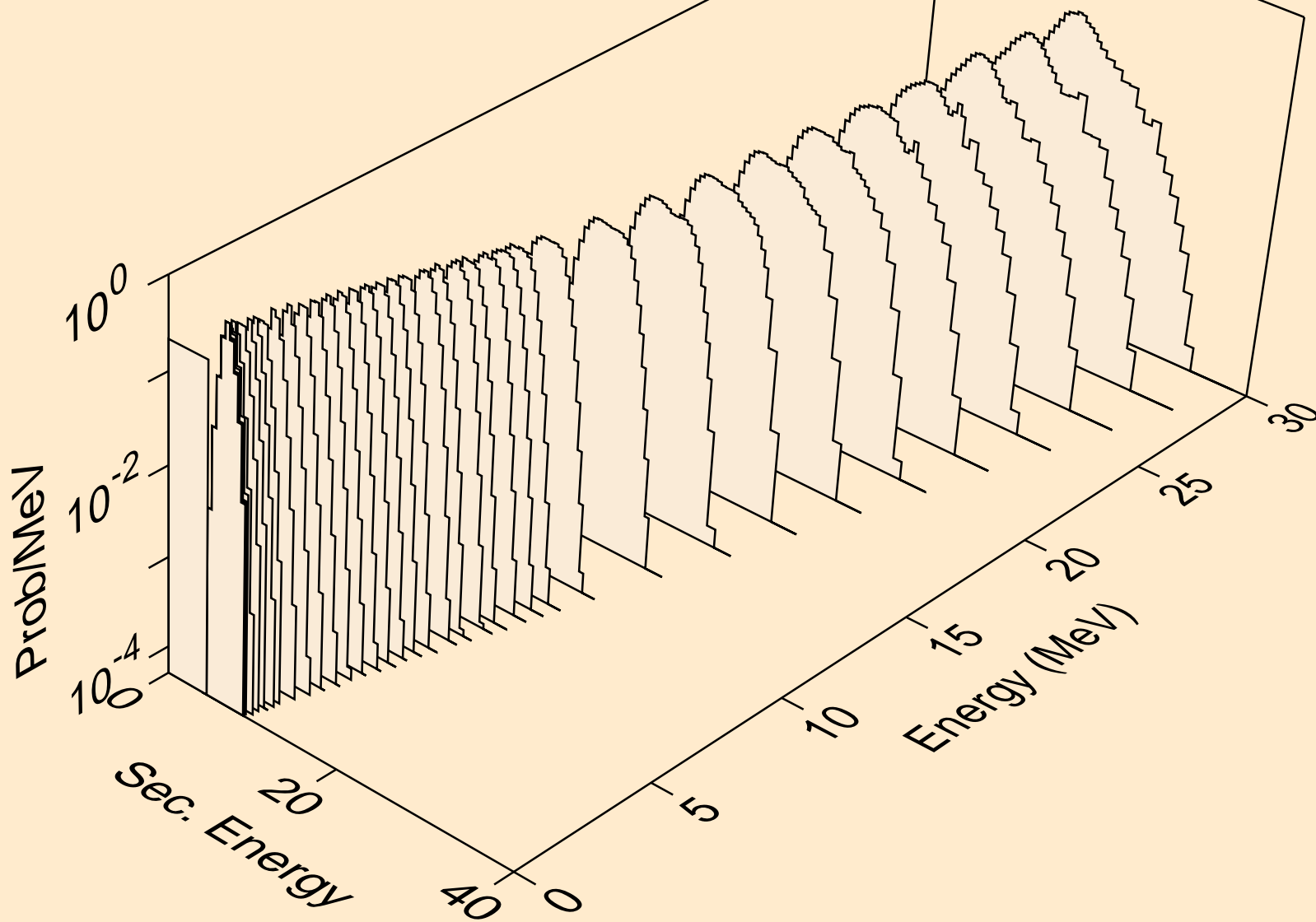
ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

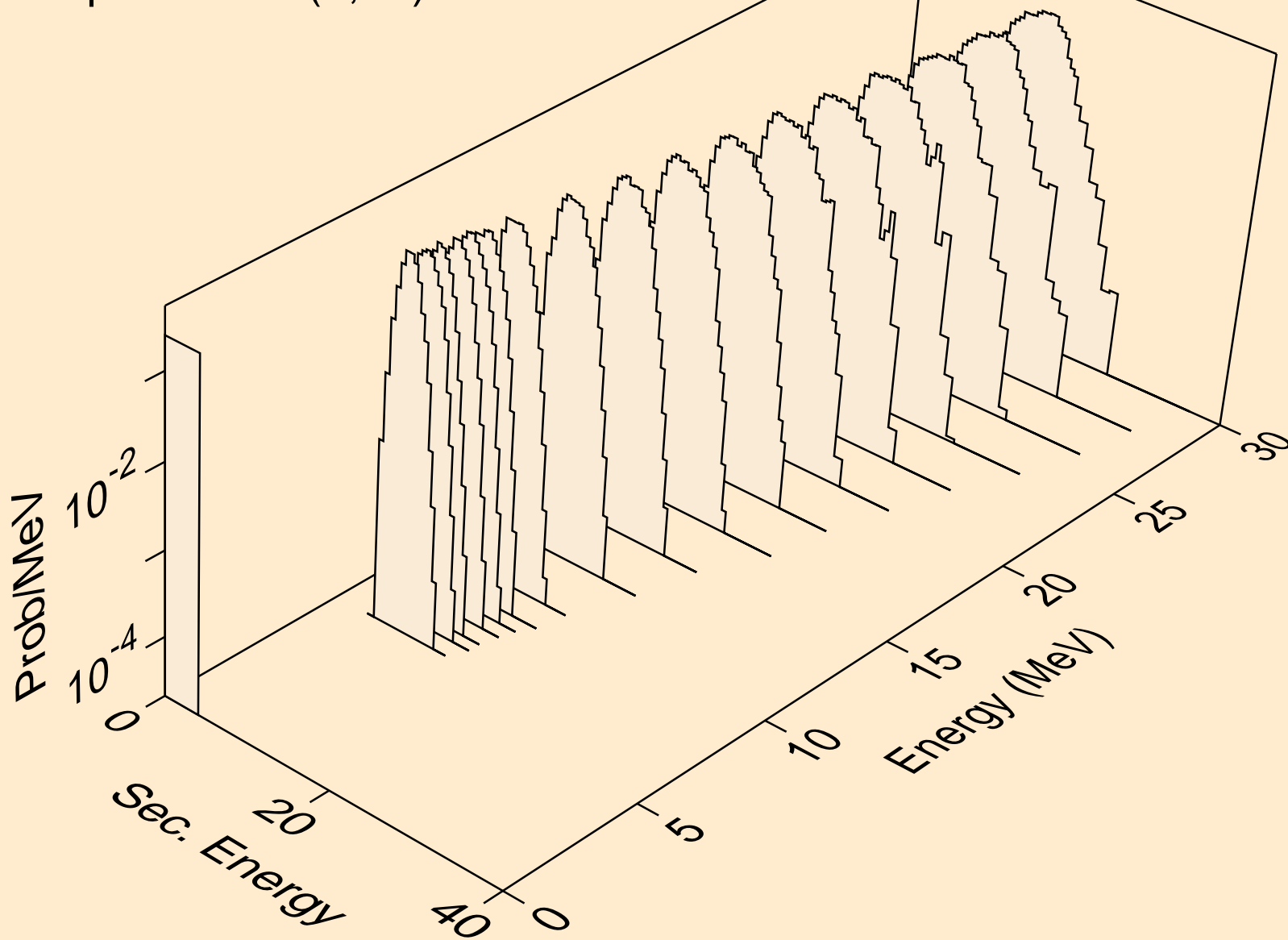


ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)

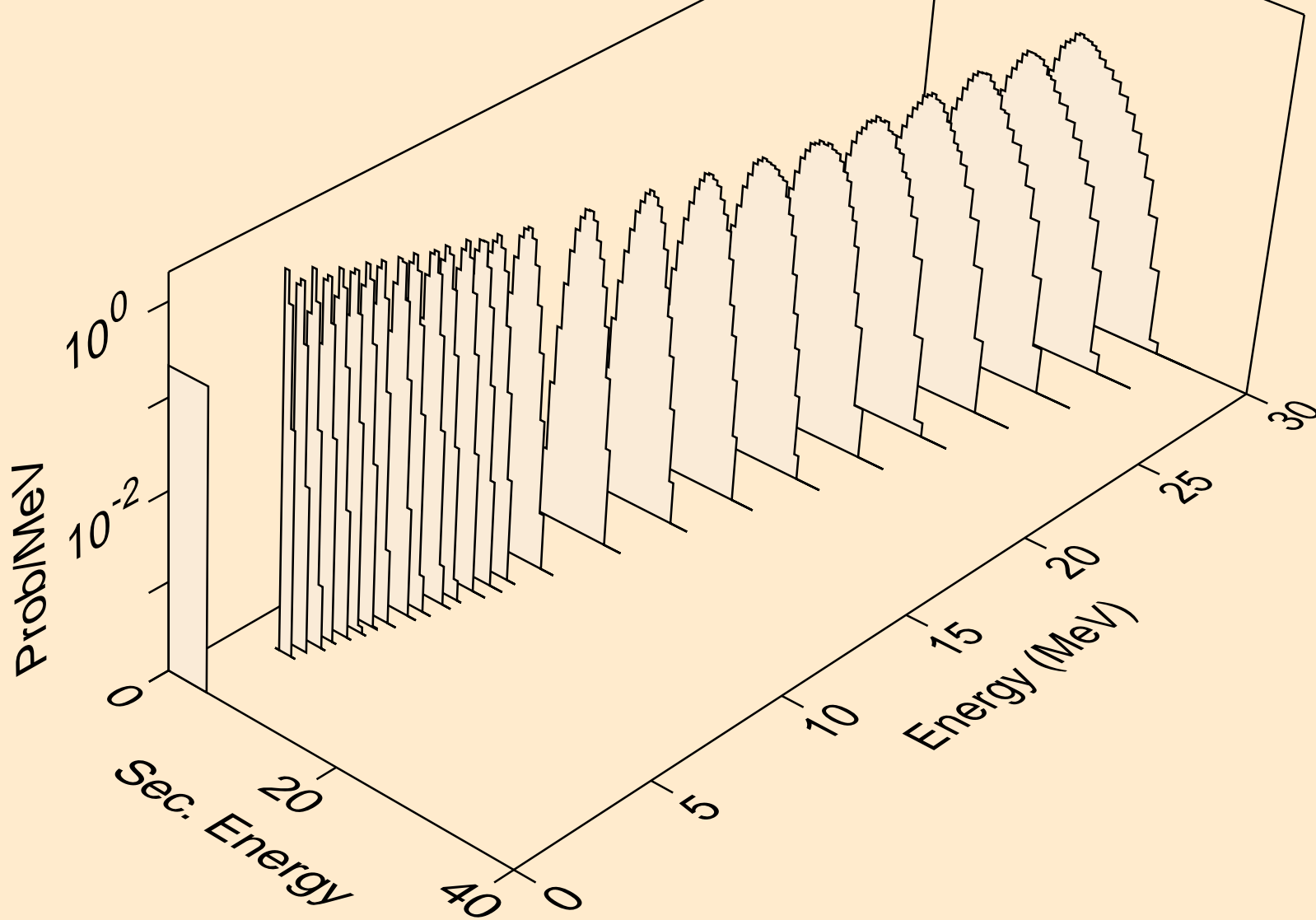




ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



ER156 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

