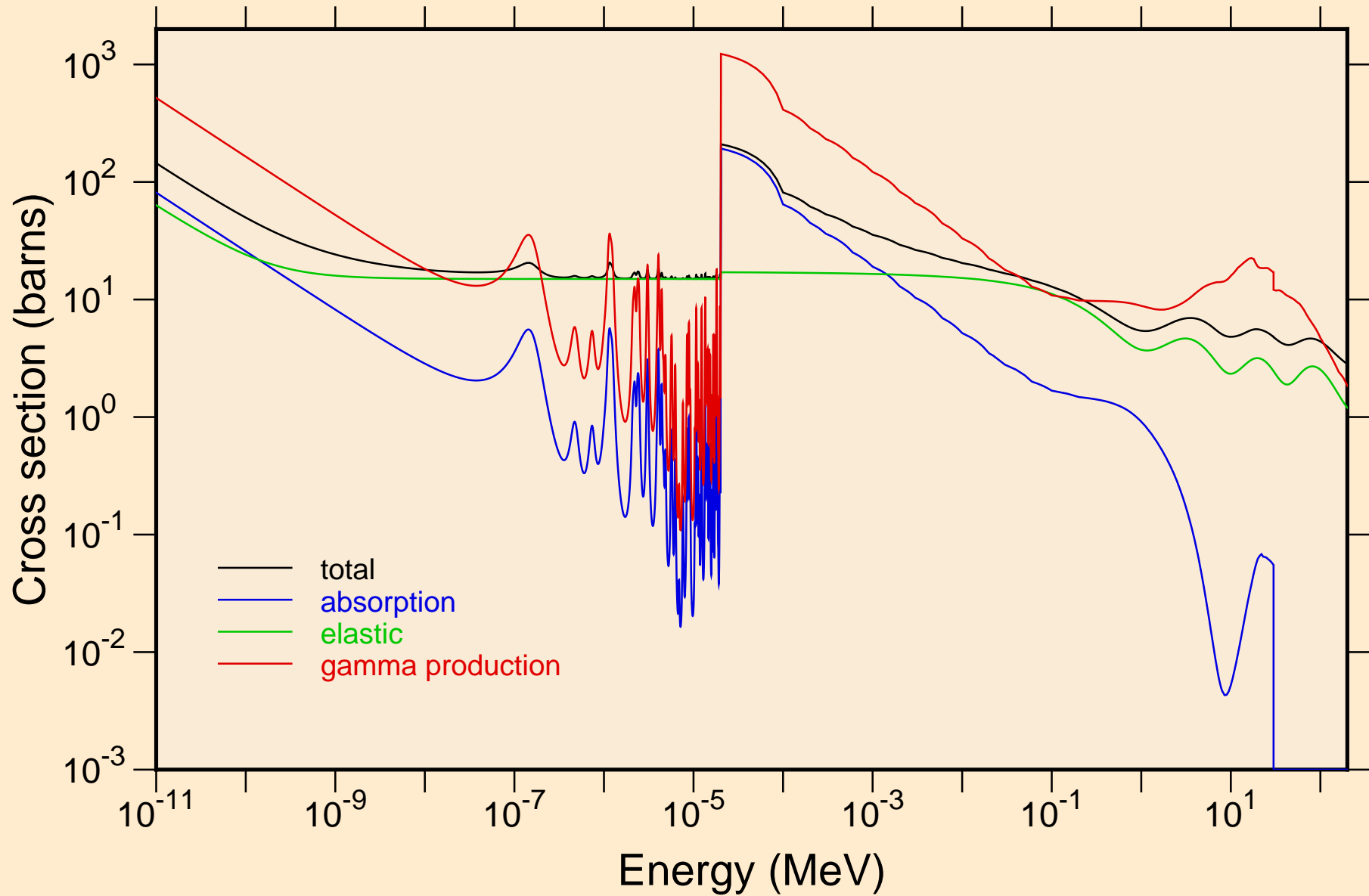
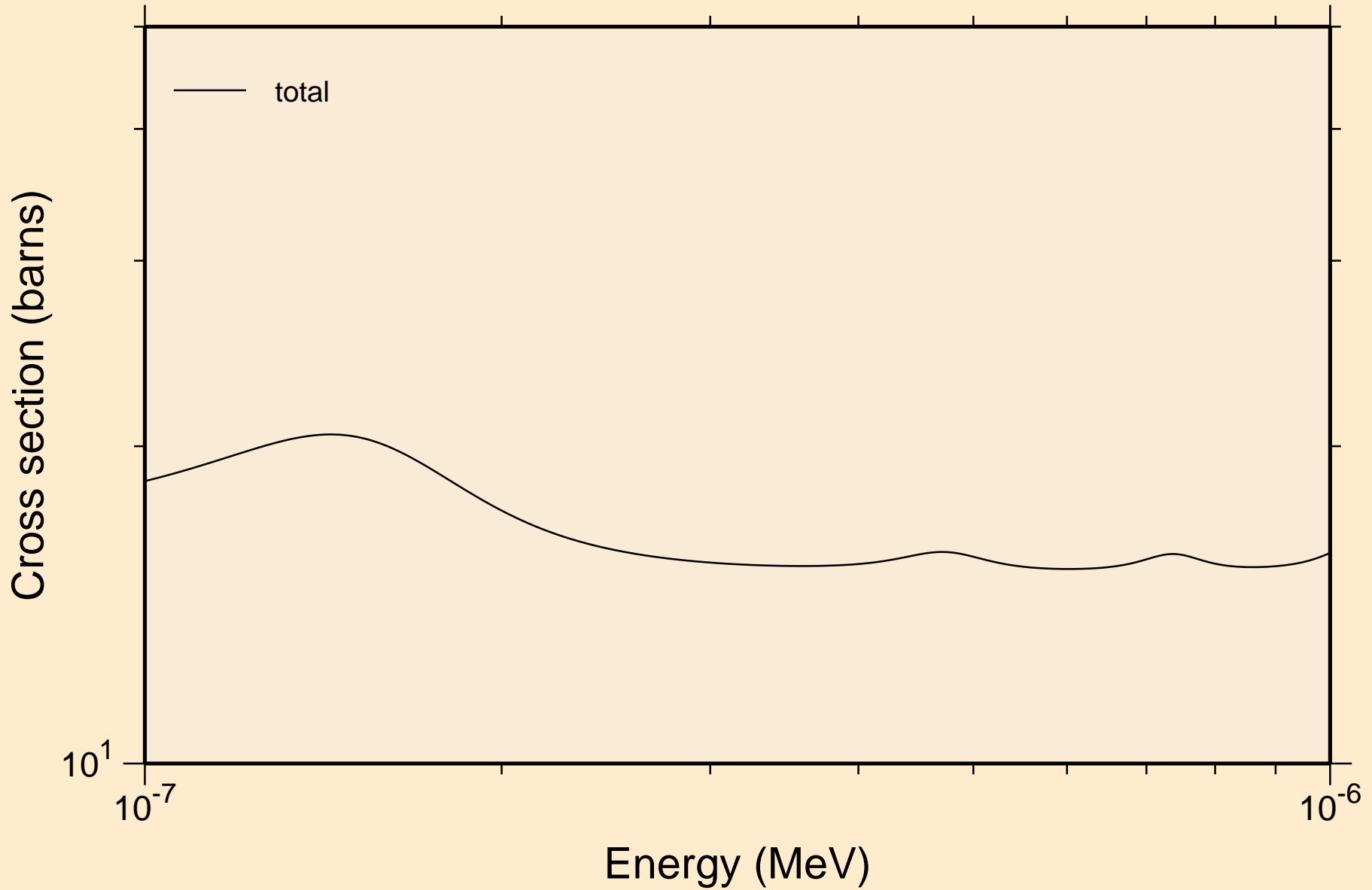


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

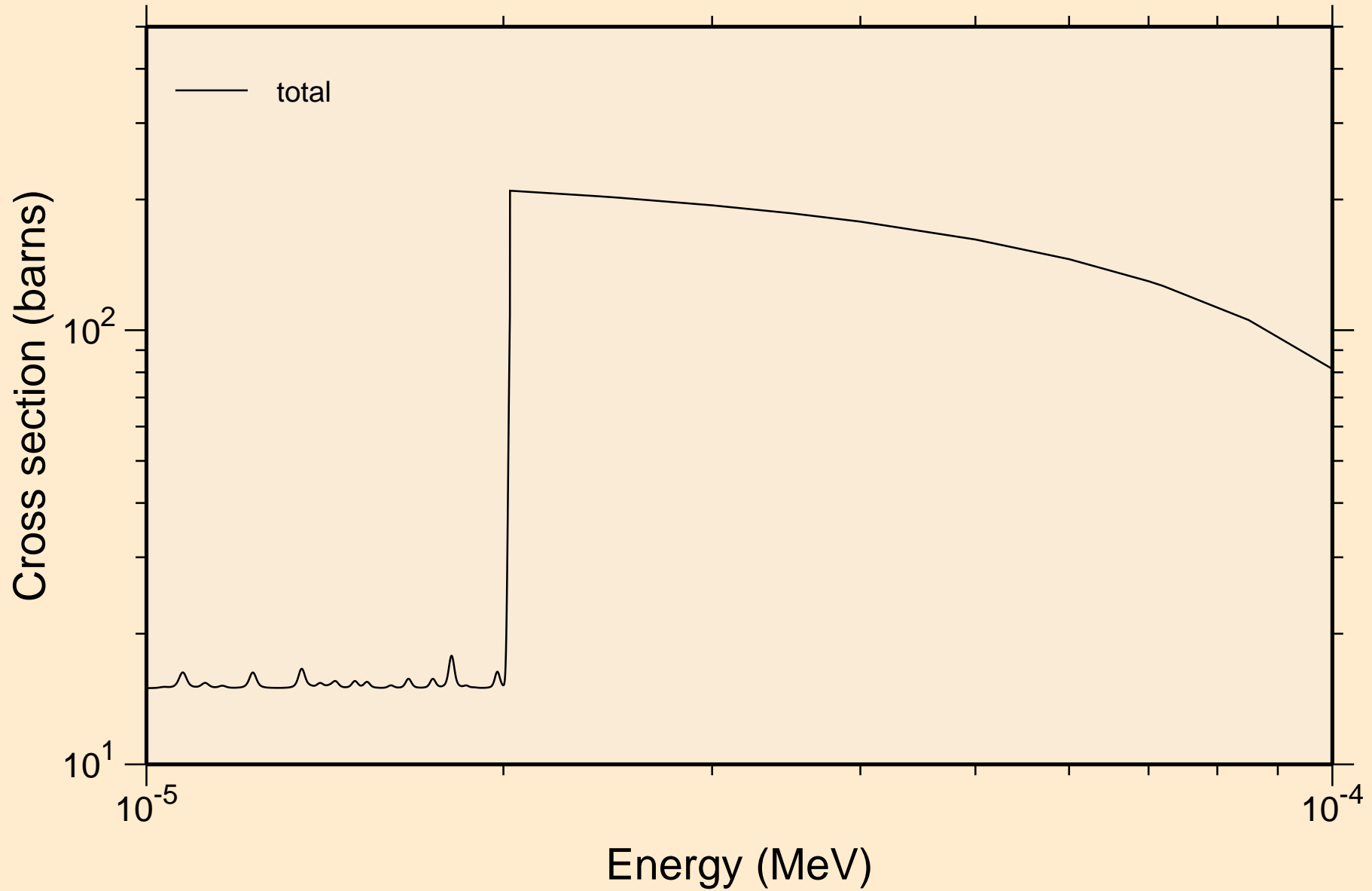


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section

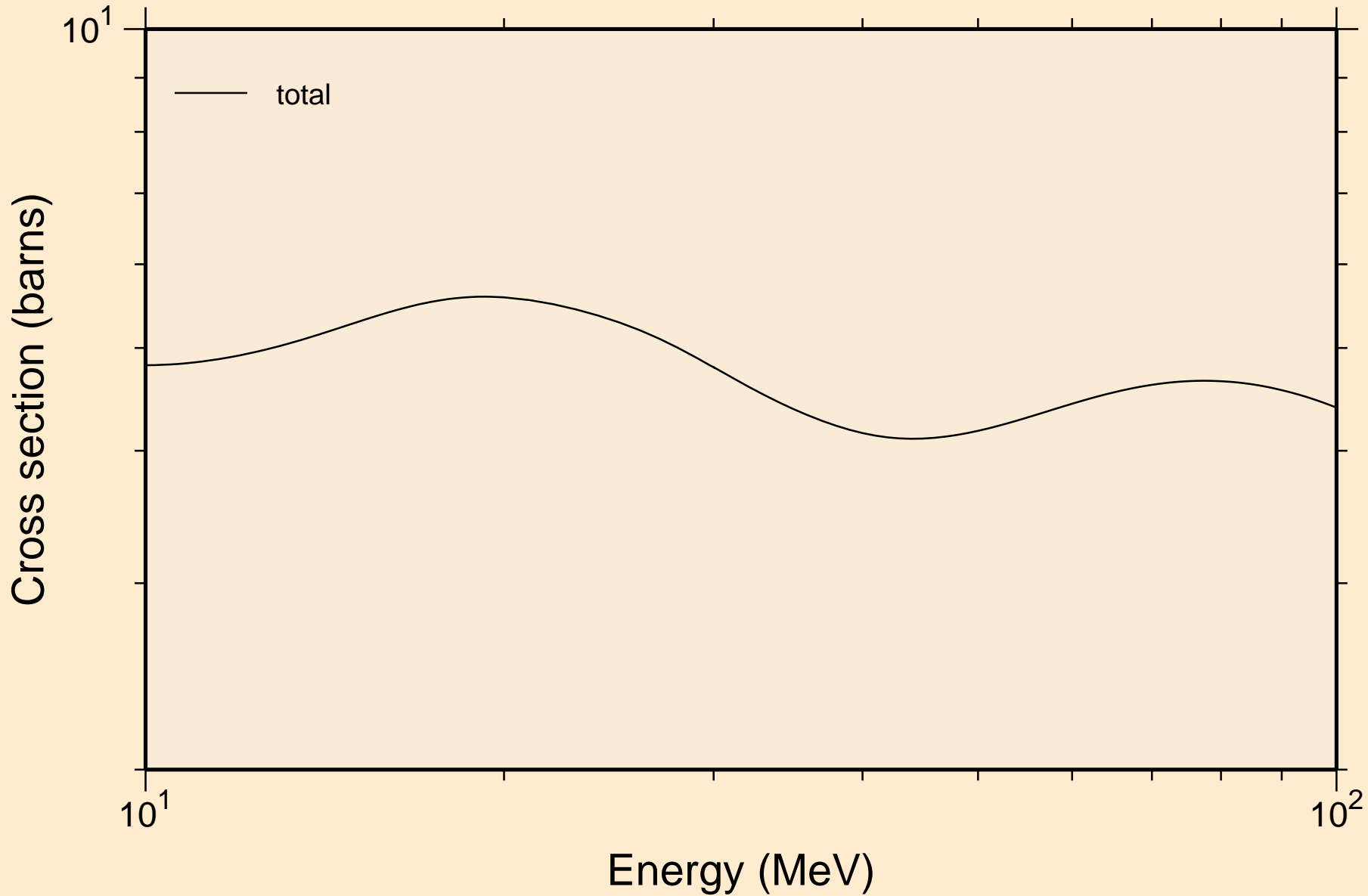




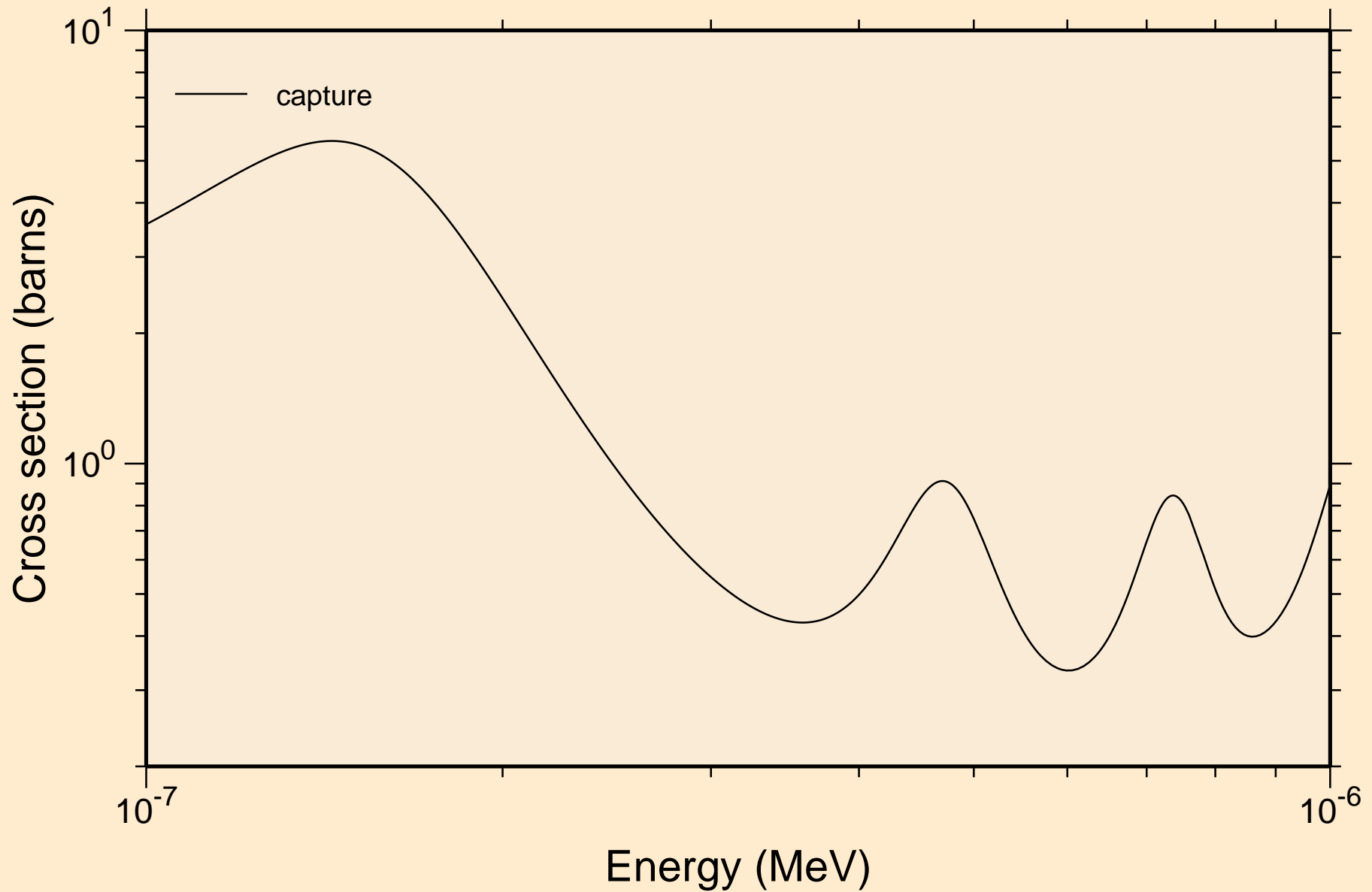
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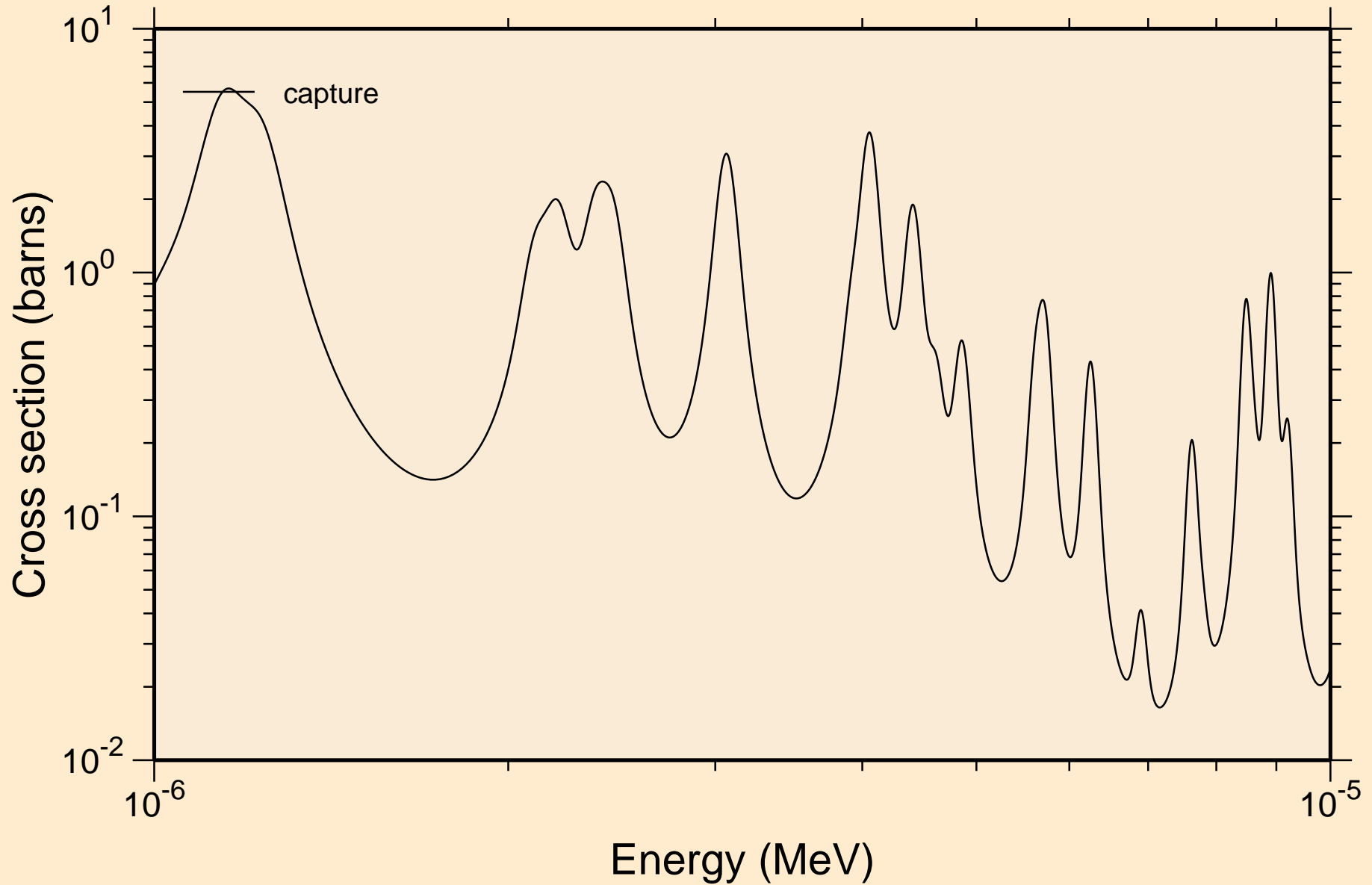
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resonance total cross section



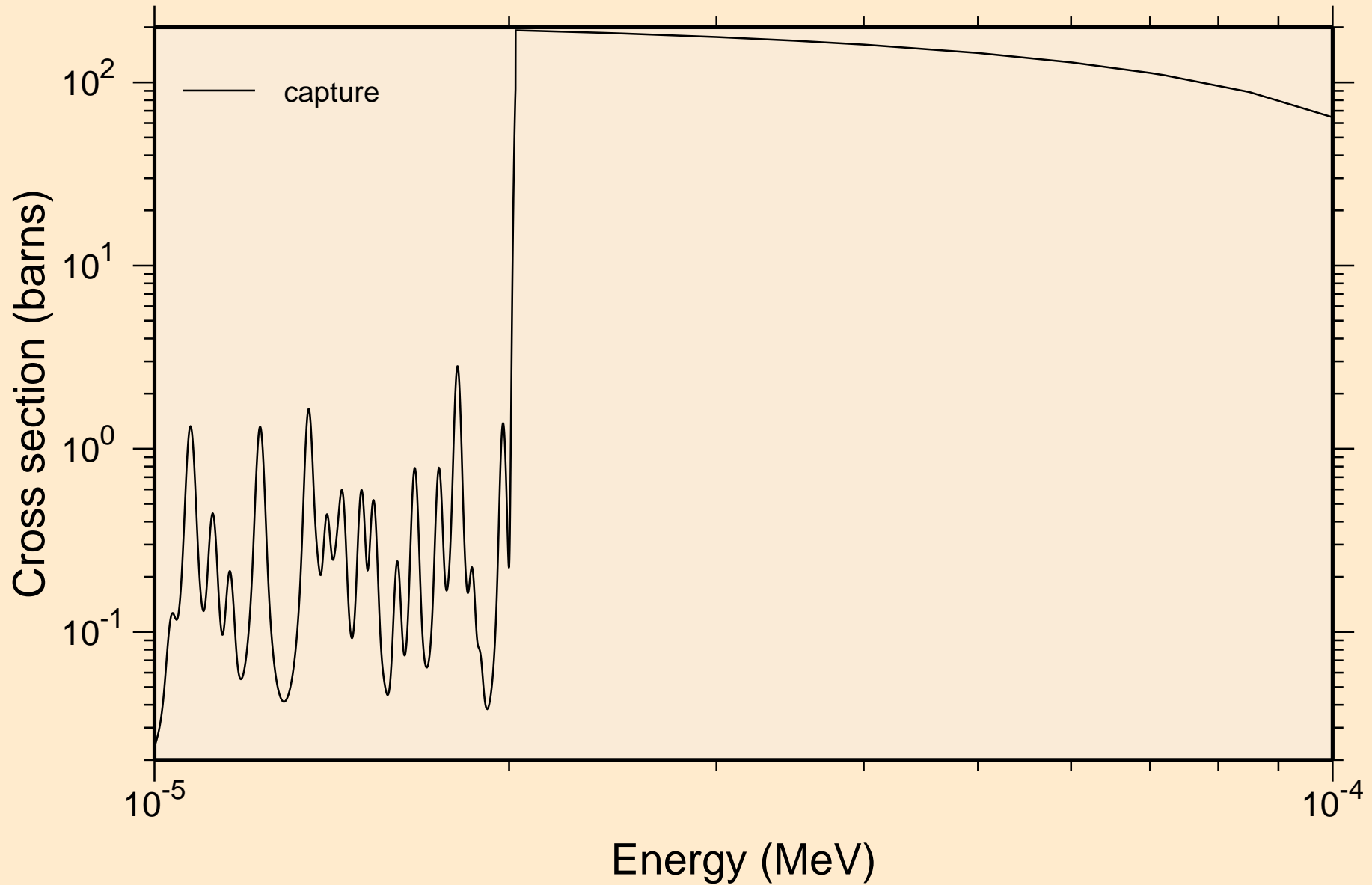
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

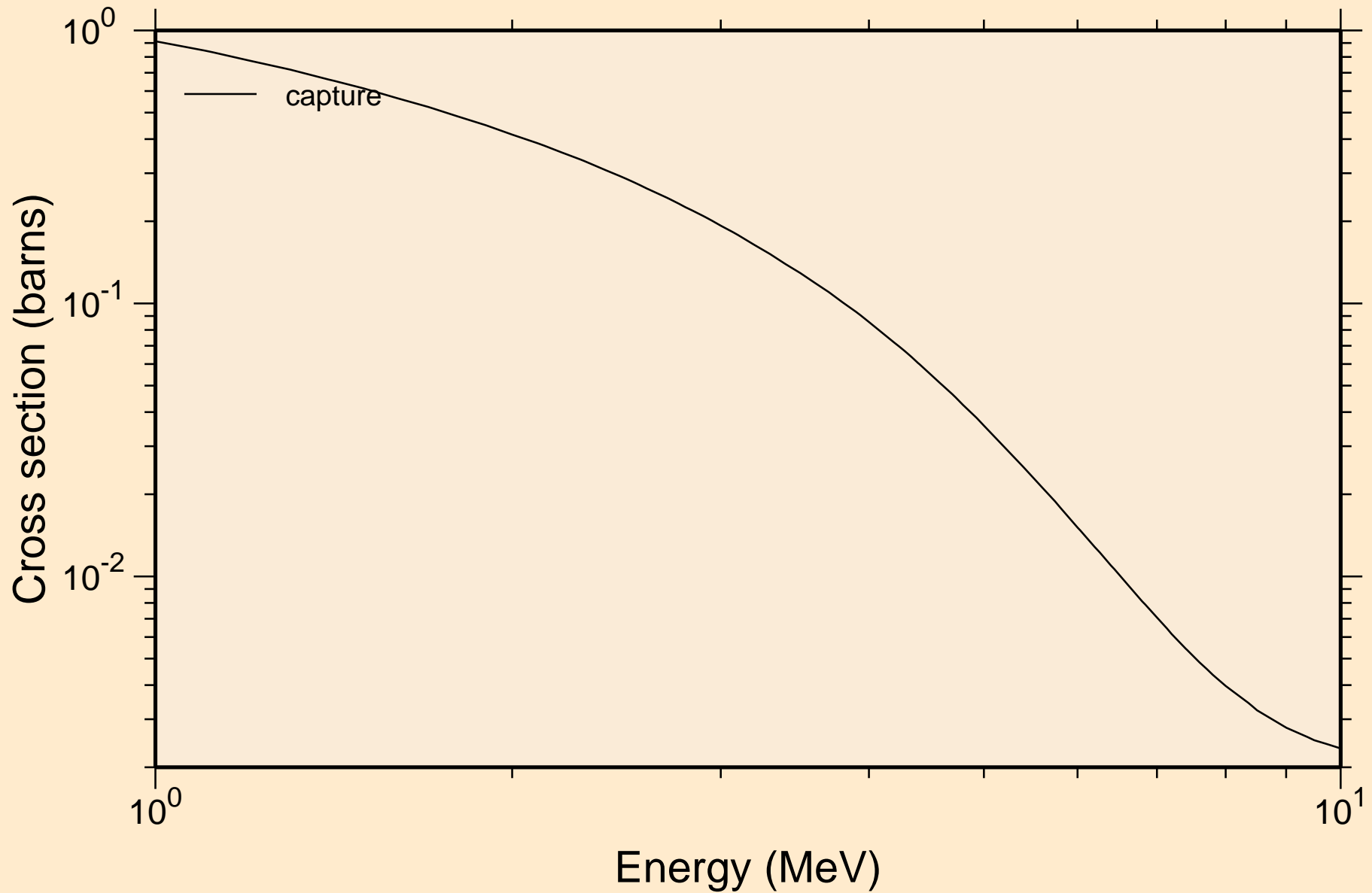


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

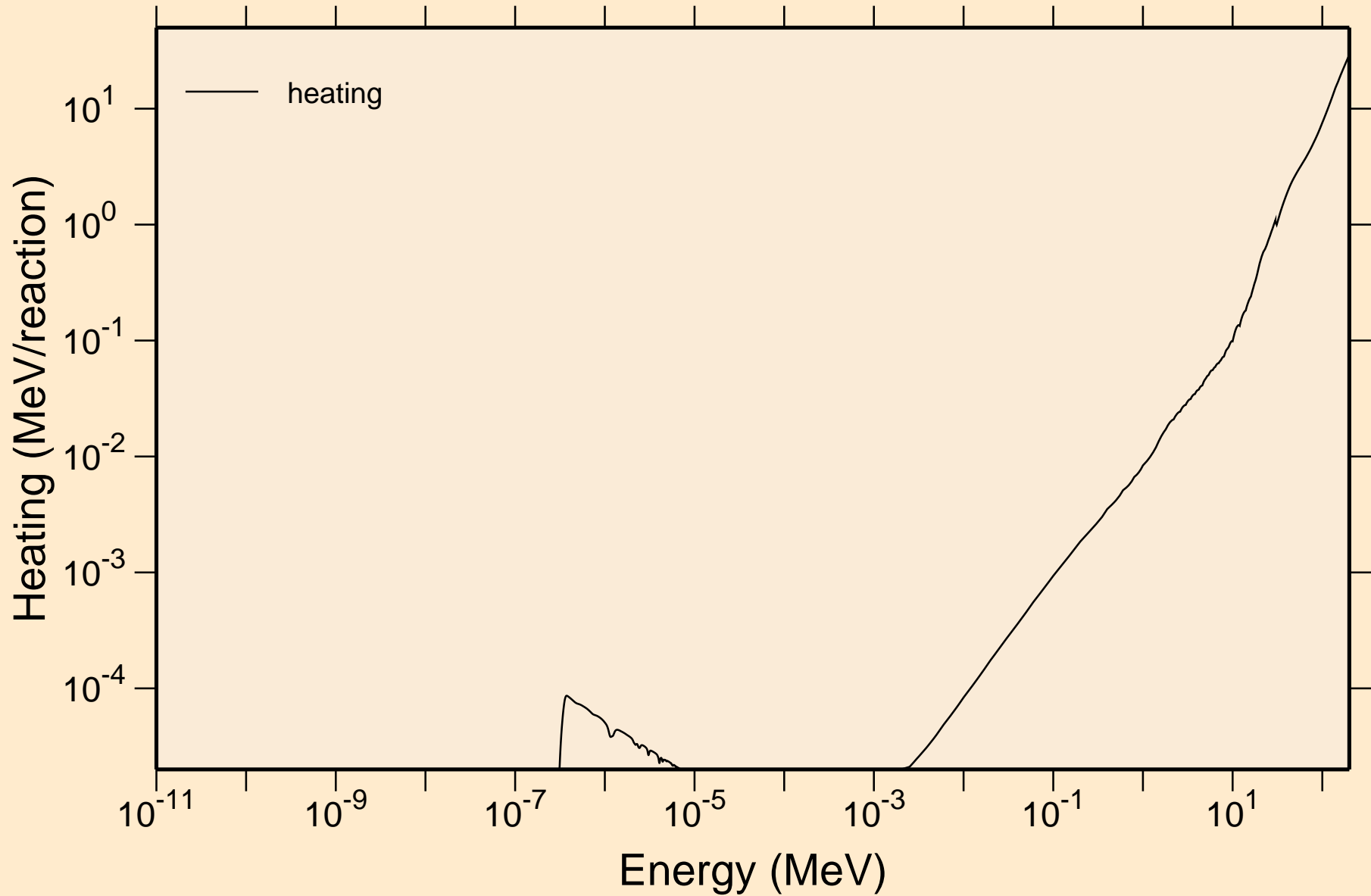




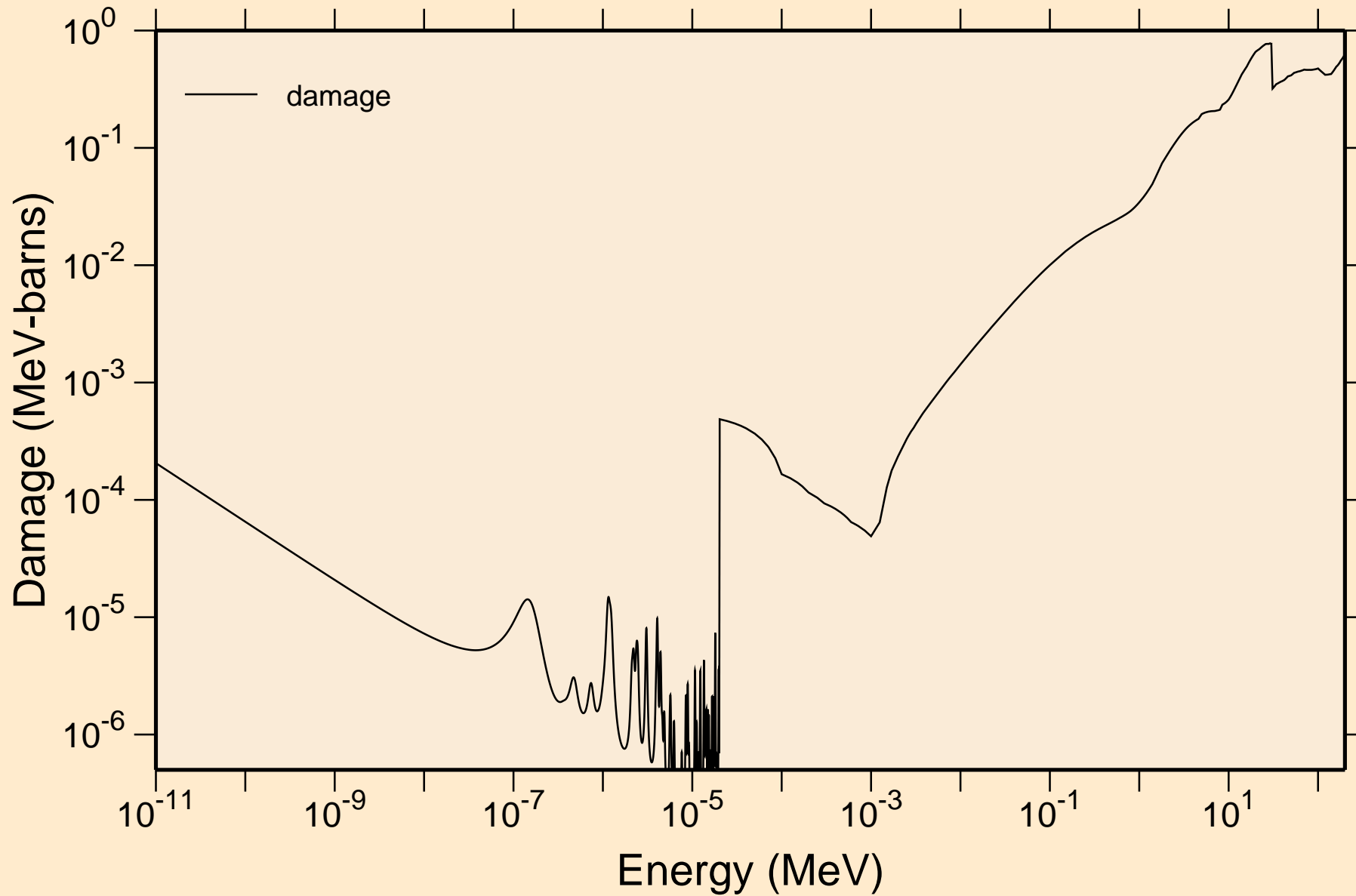
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



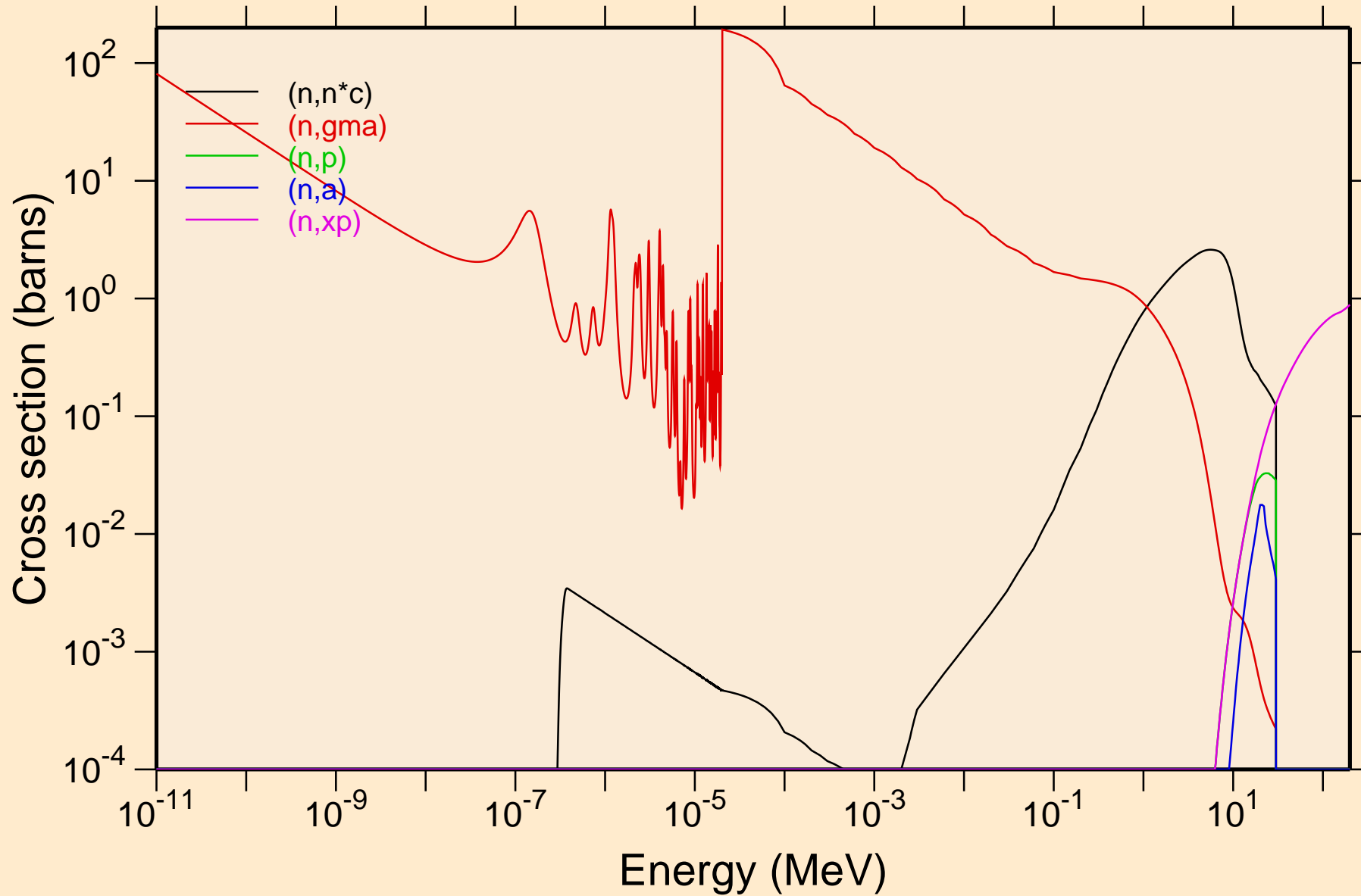
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



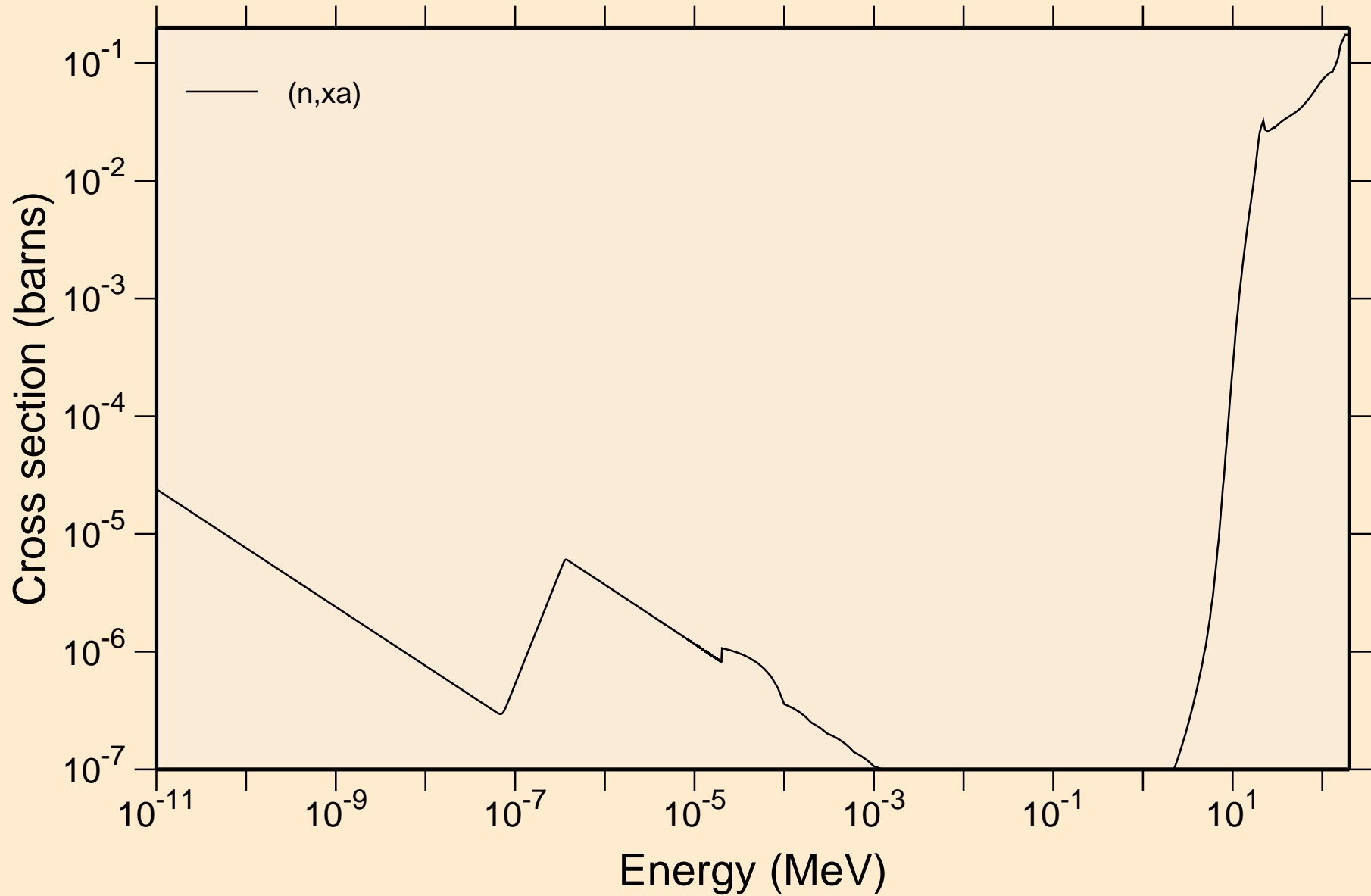
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Damage



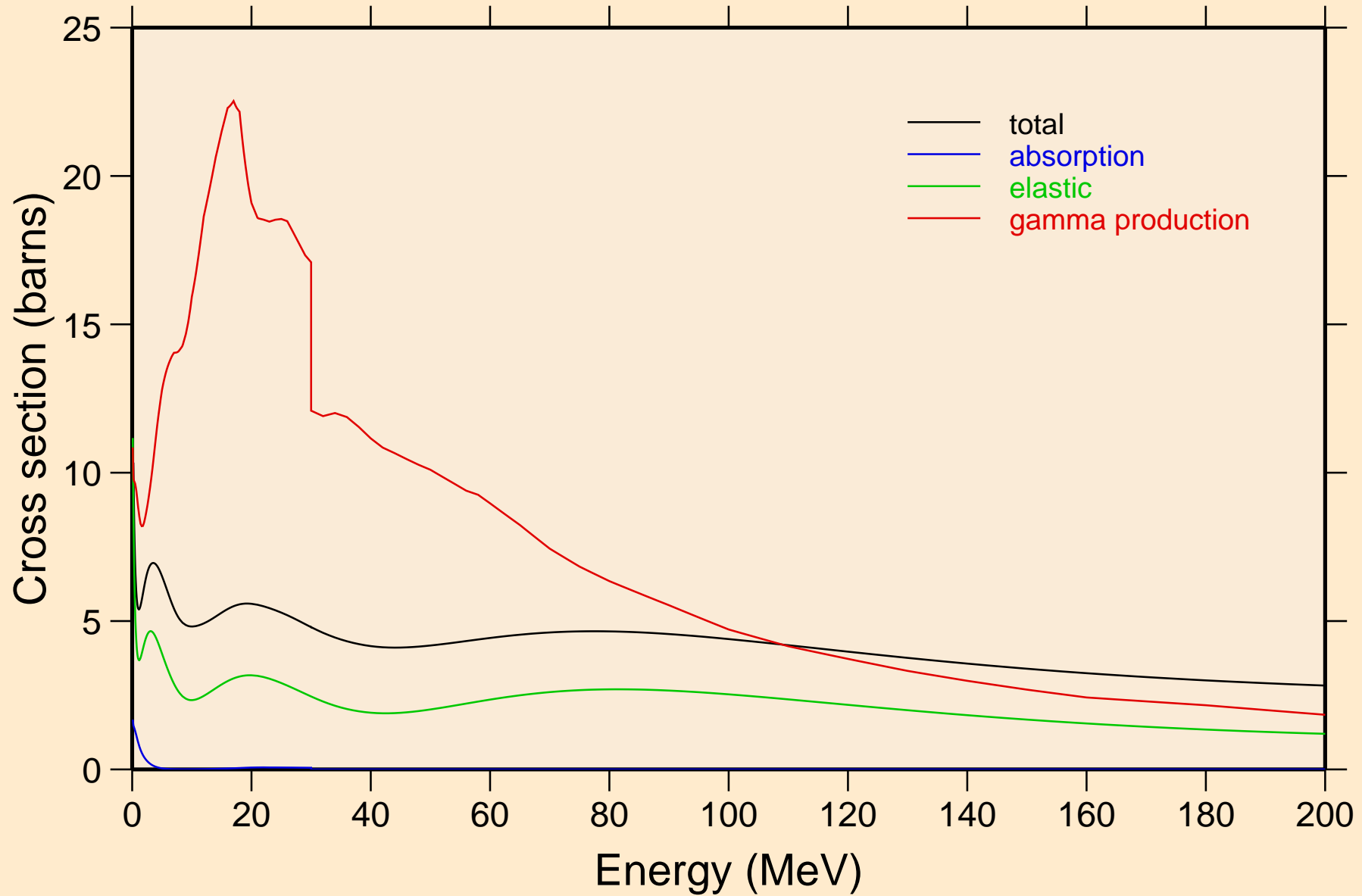
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



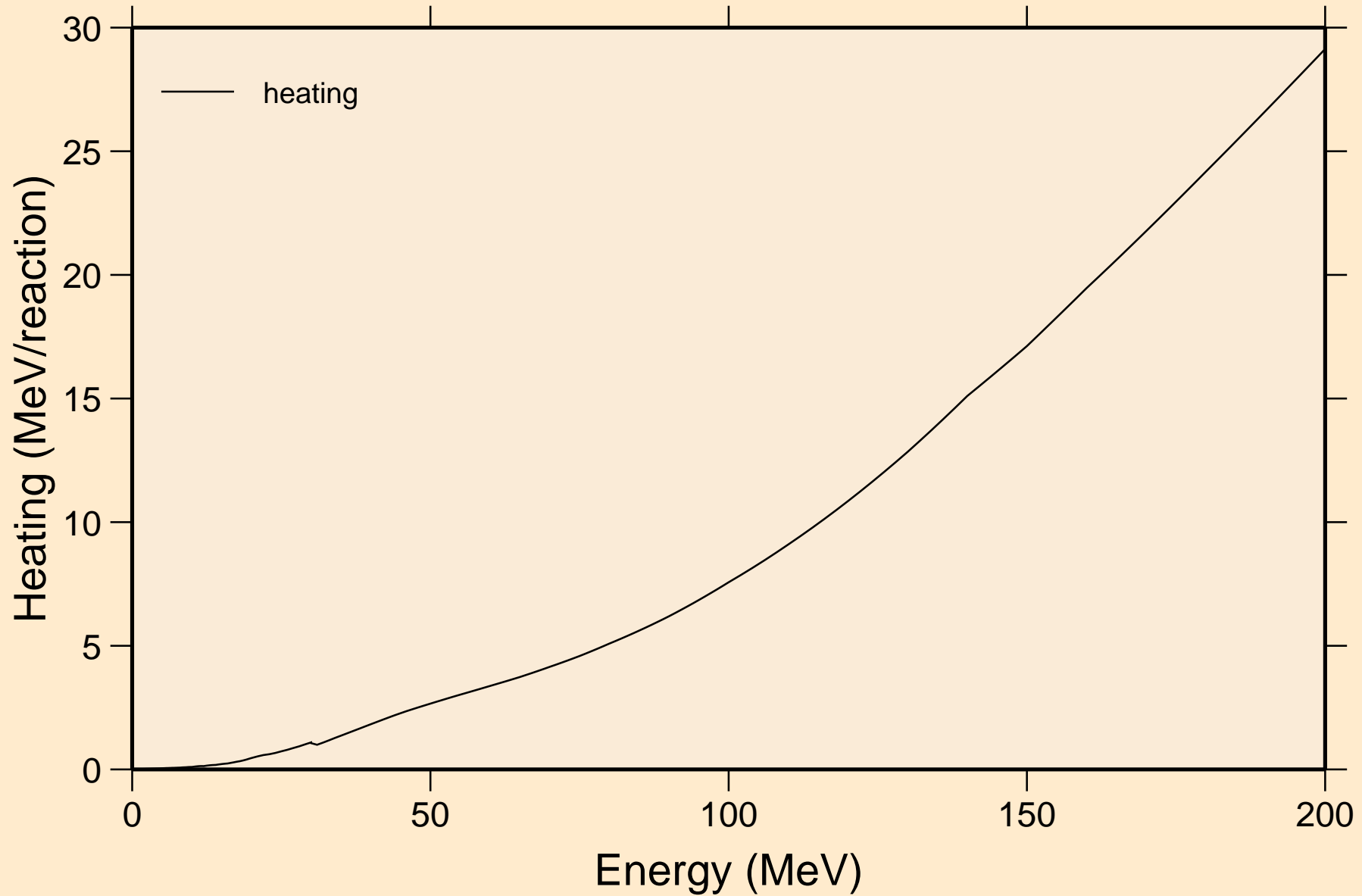
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Non-threshold reactions



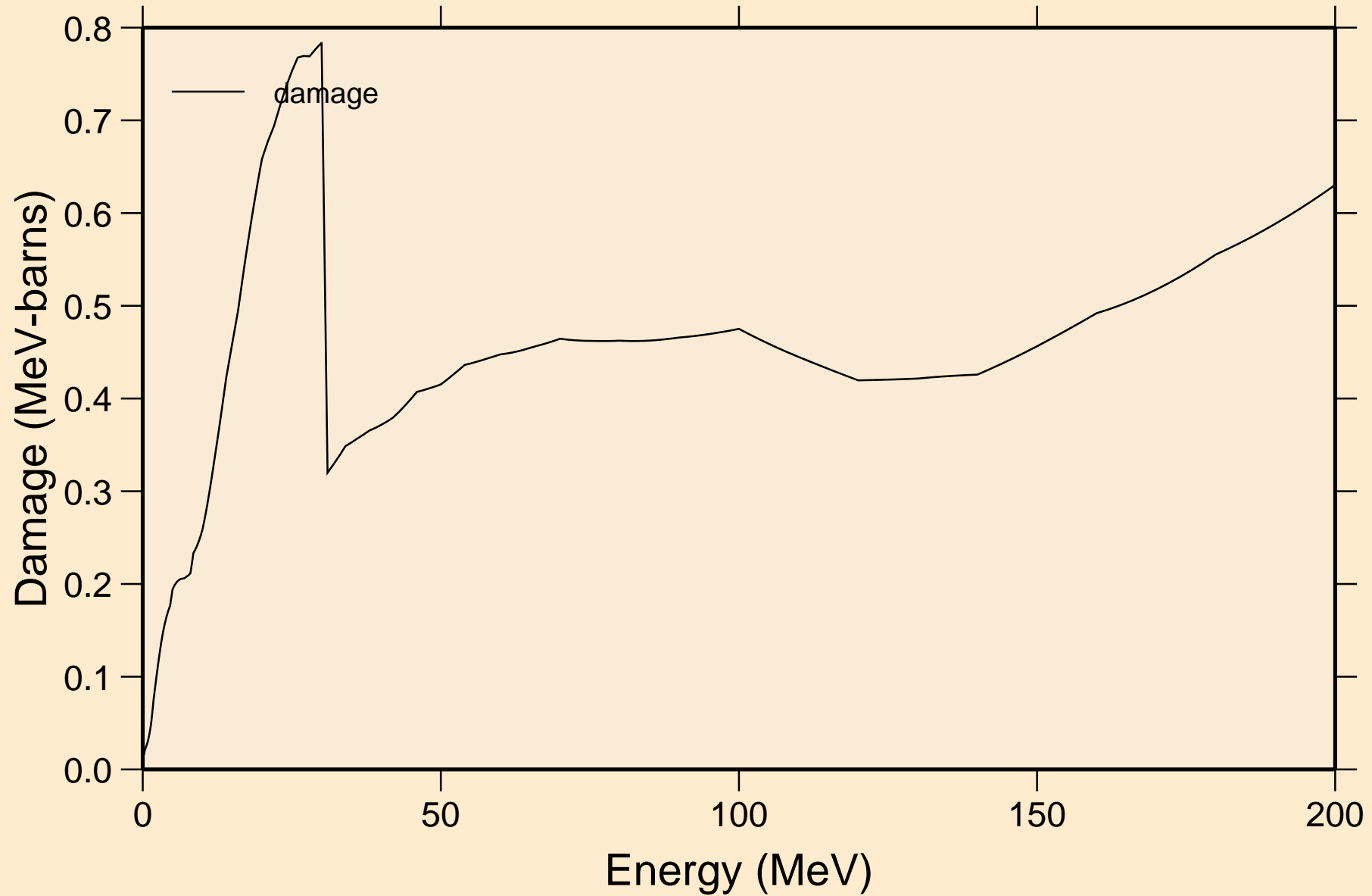
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

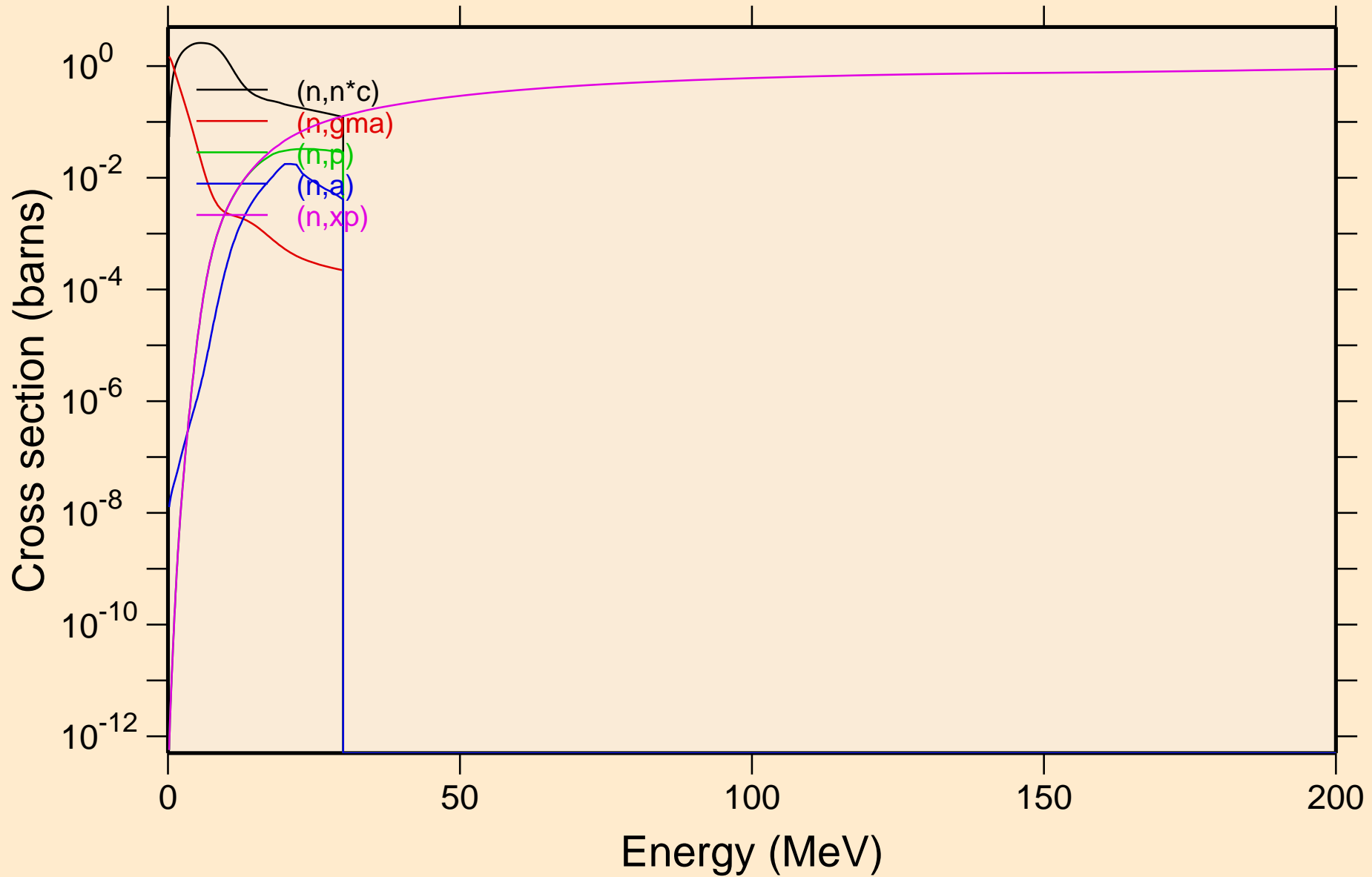


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Damage

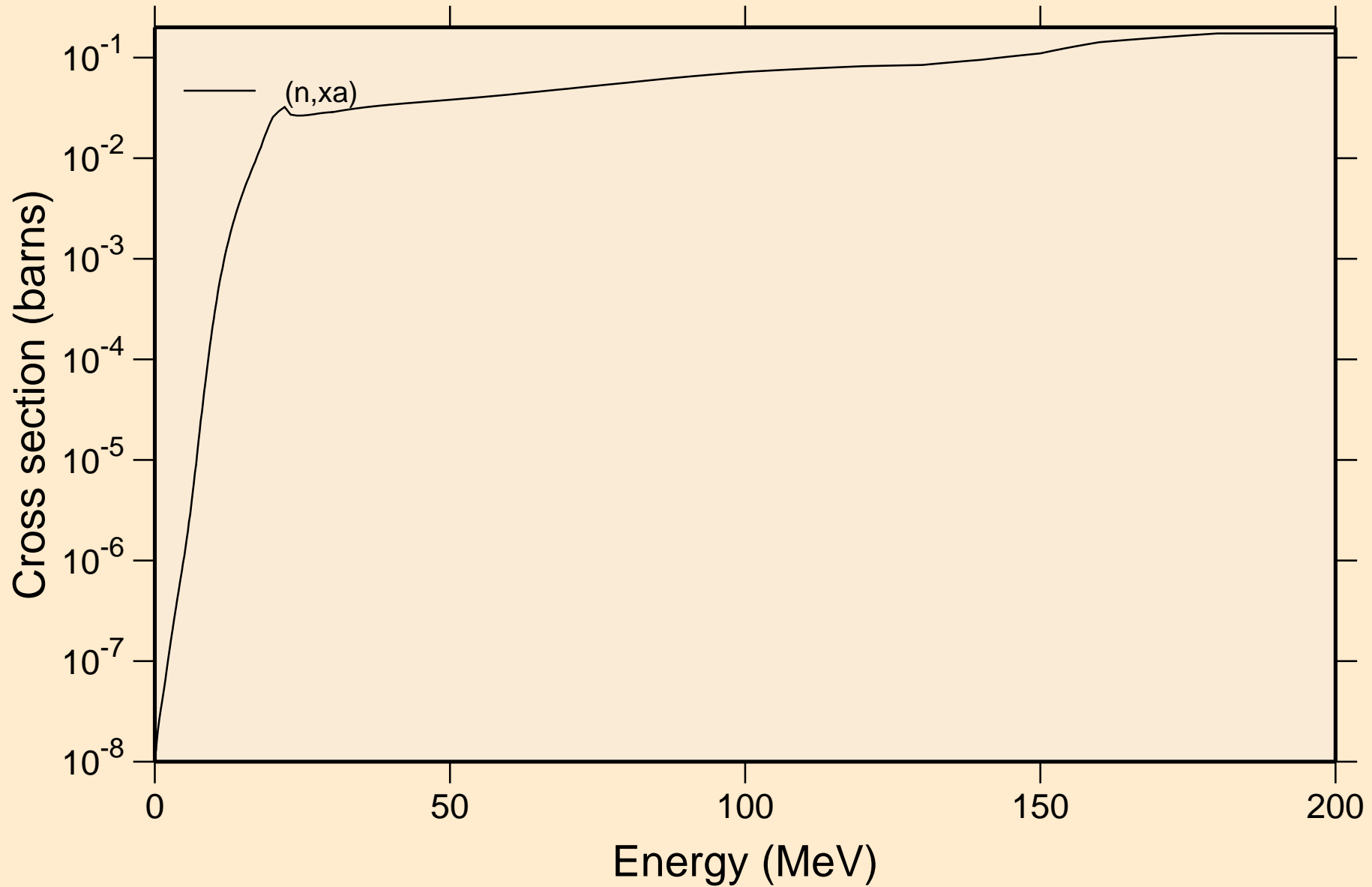




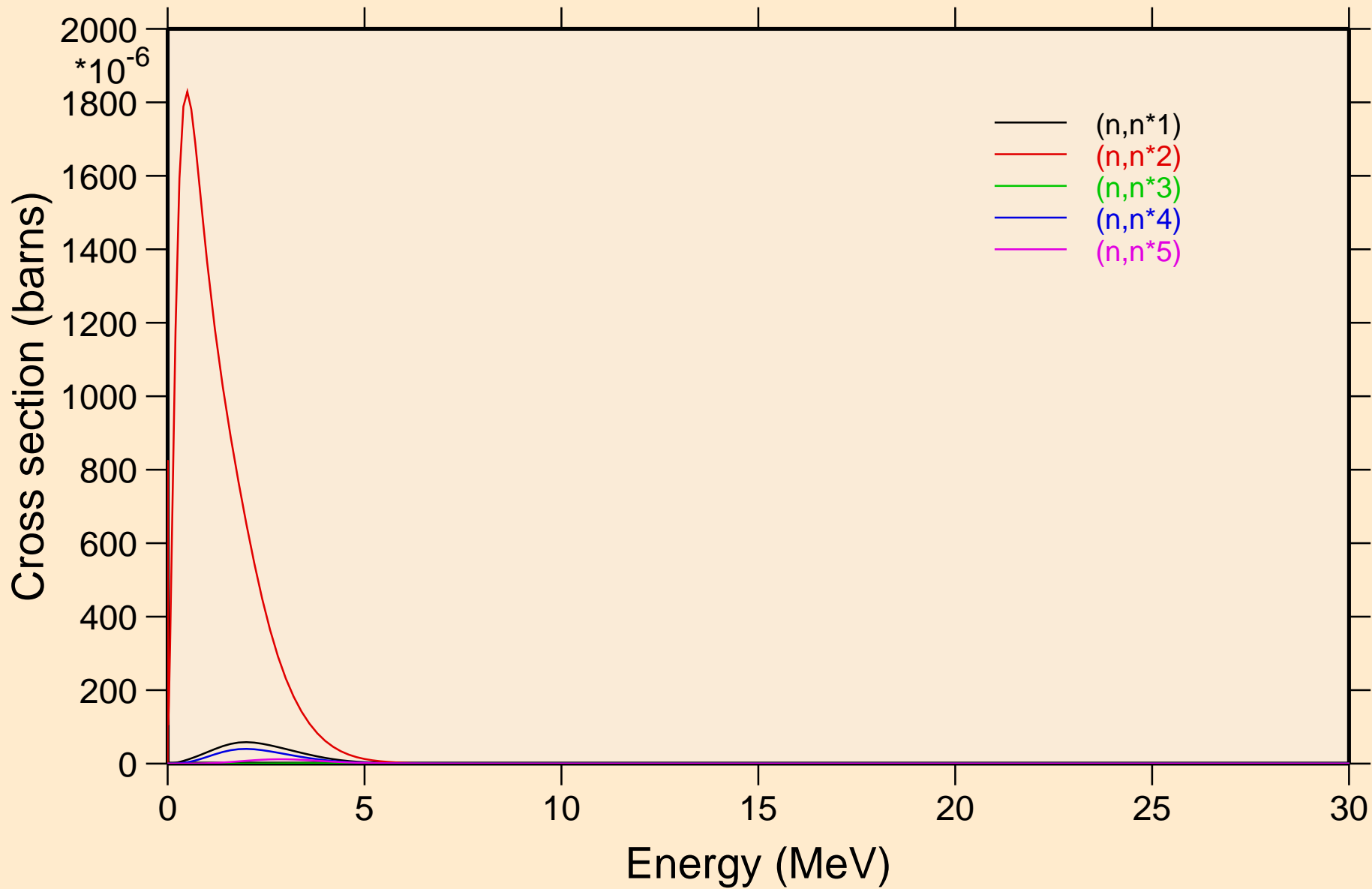
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Non-threshold reactions



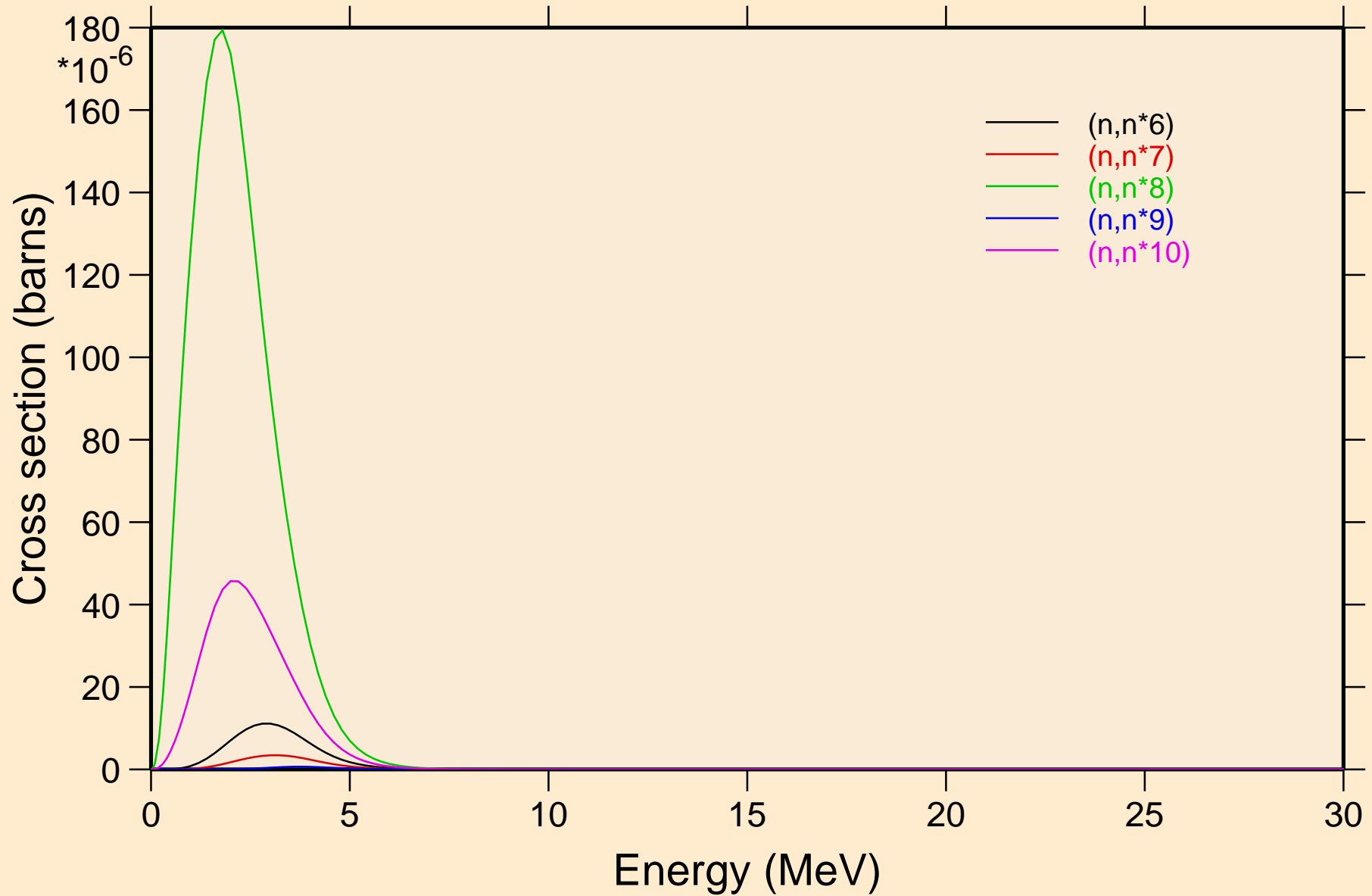
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Non-threshold reactions



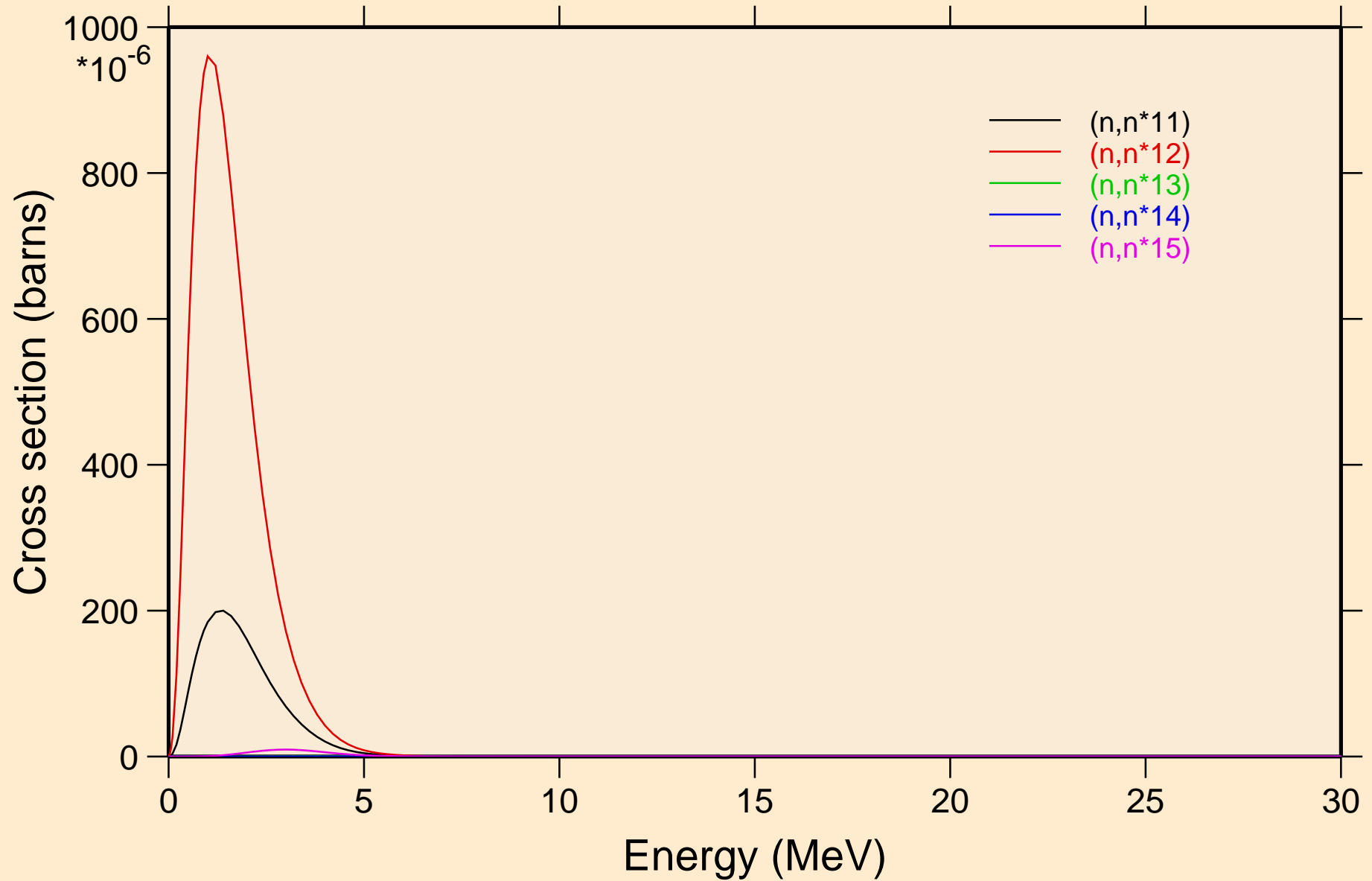
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Inelastic levels



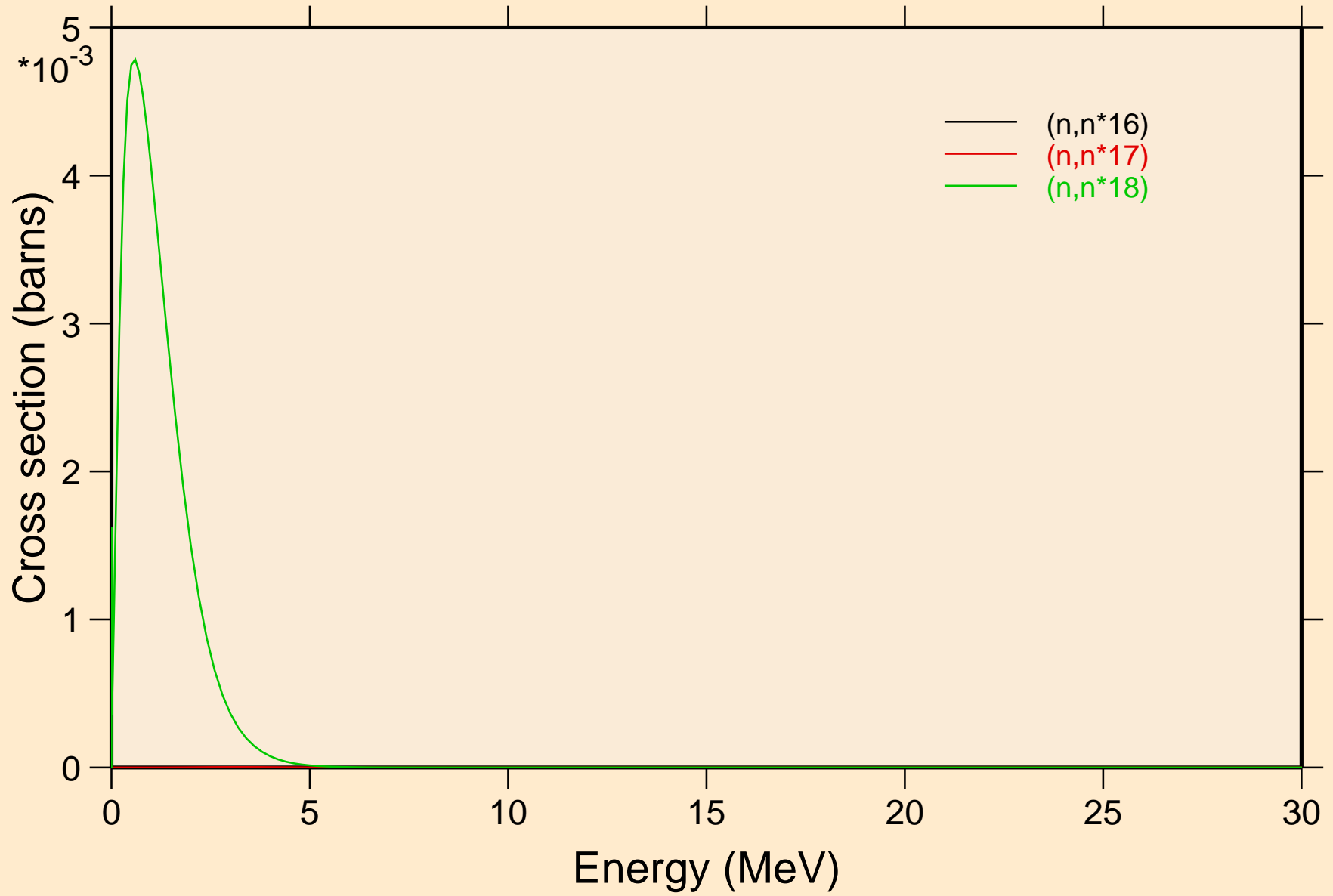
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



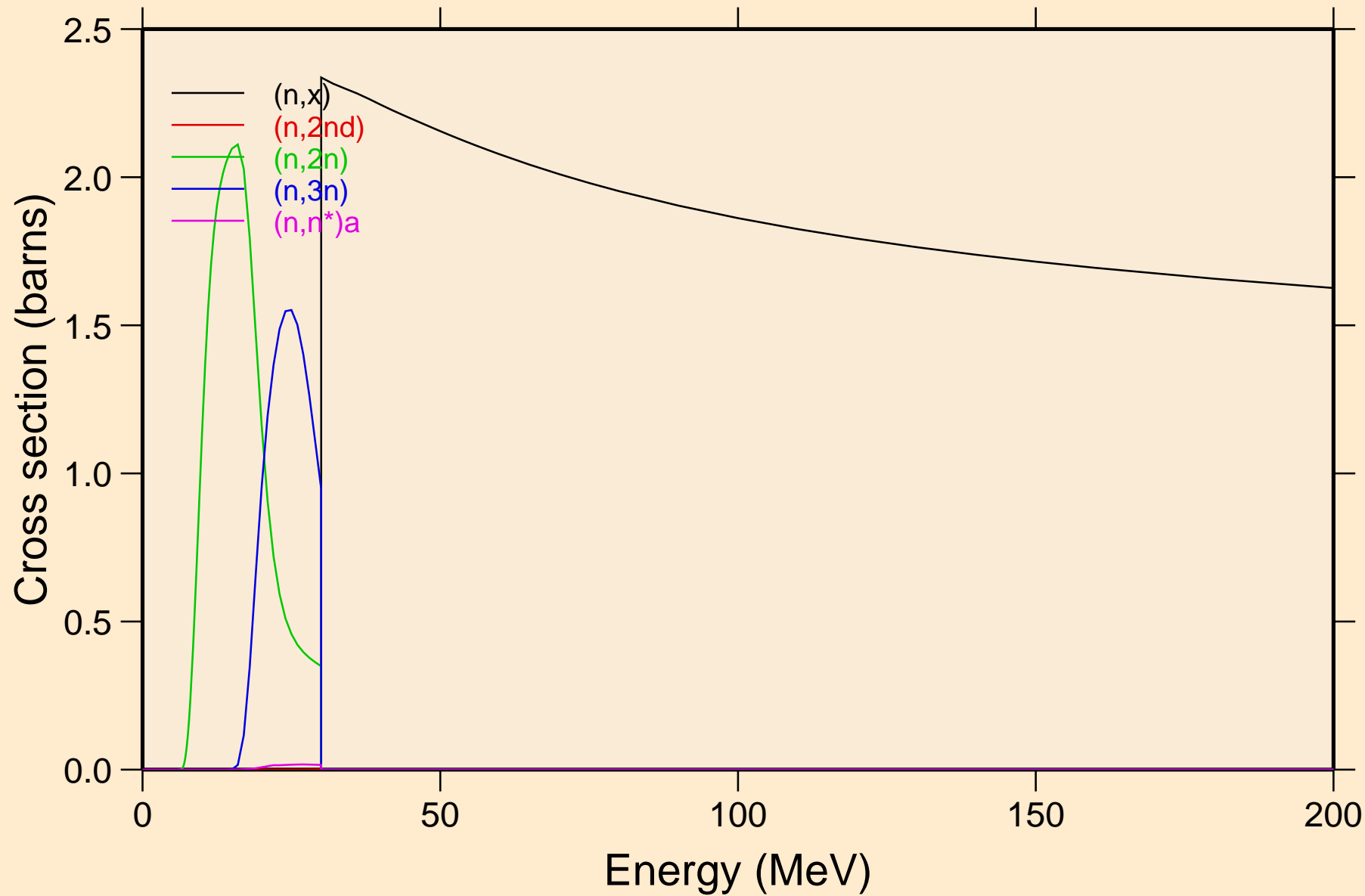
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



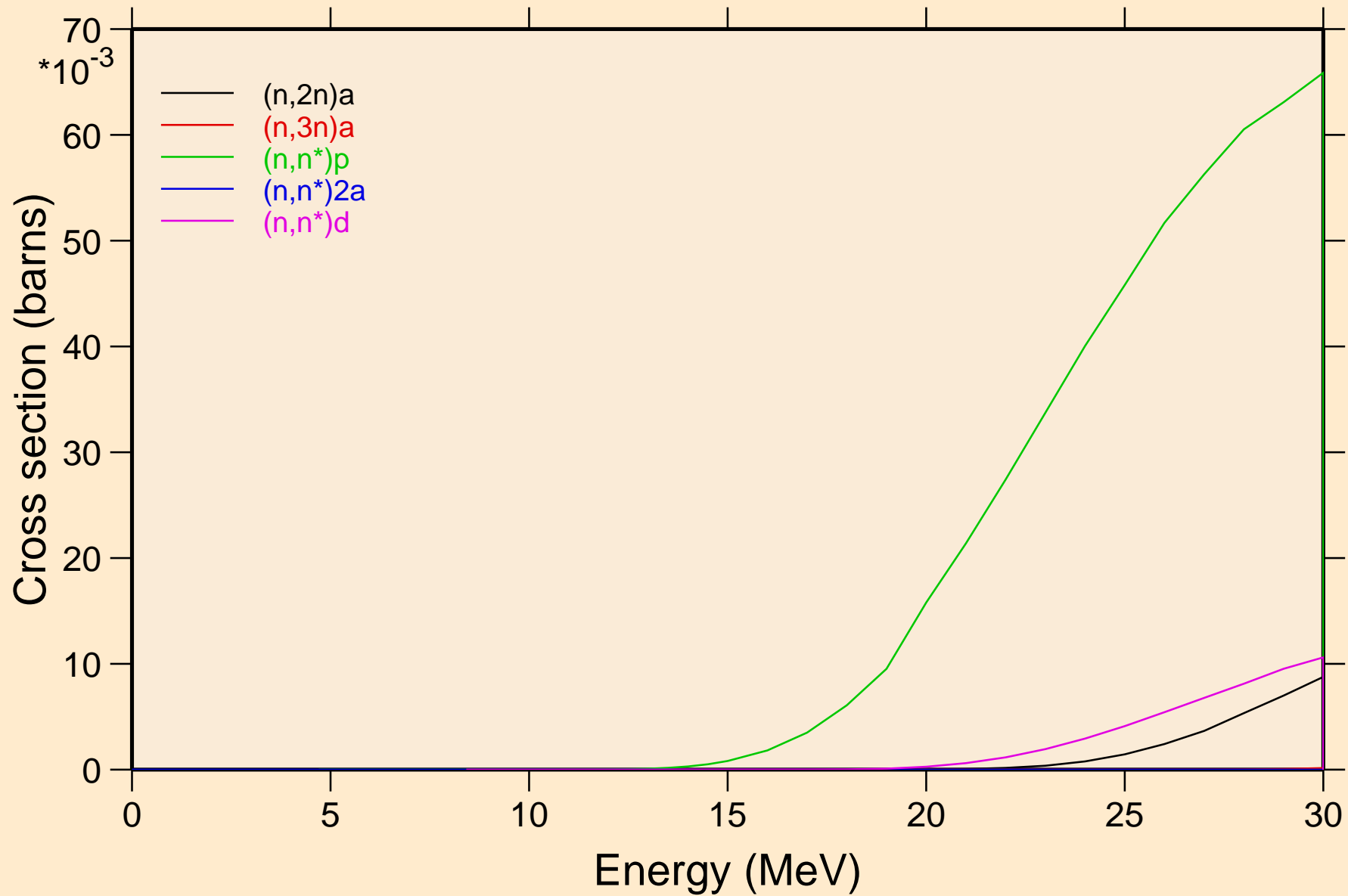
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

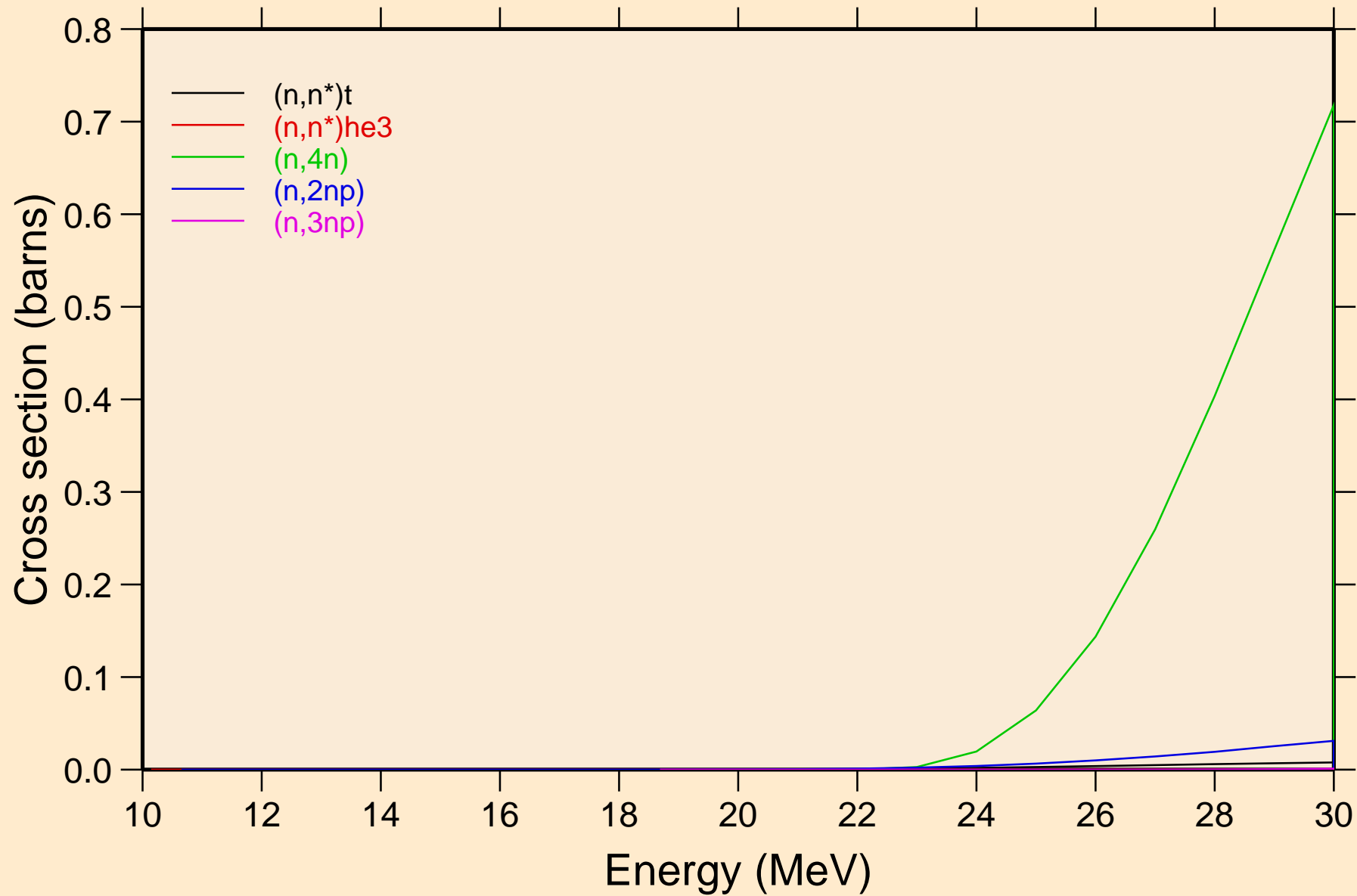


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Threshold reactions

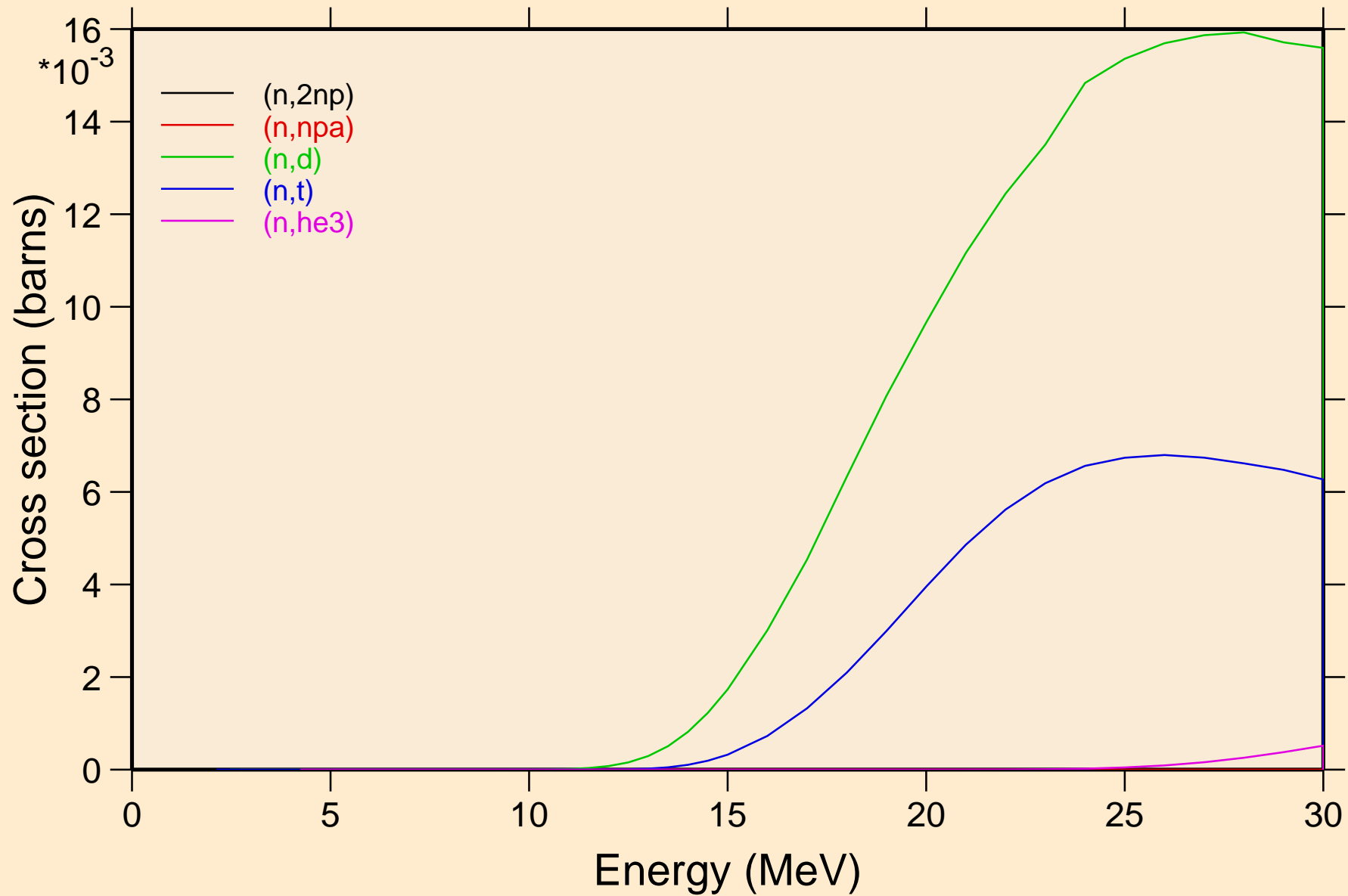




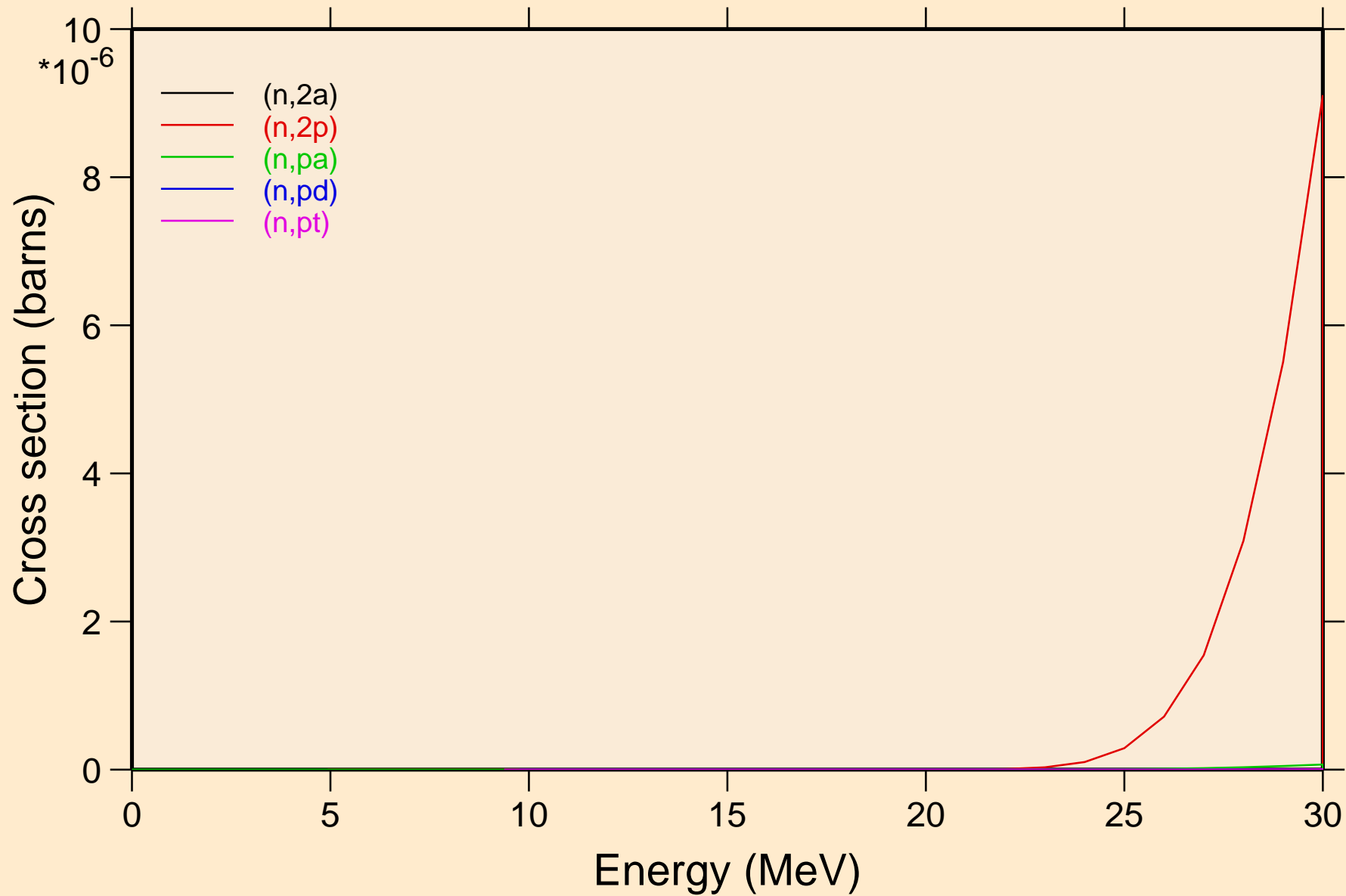
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Threshold reactions



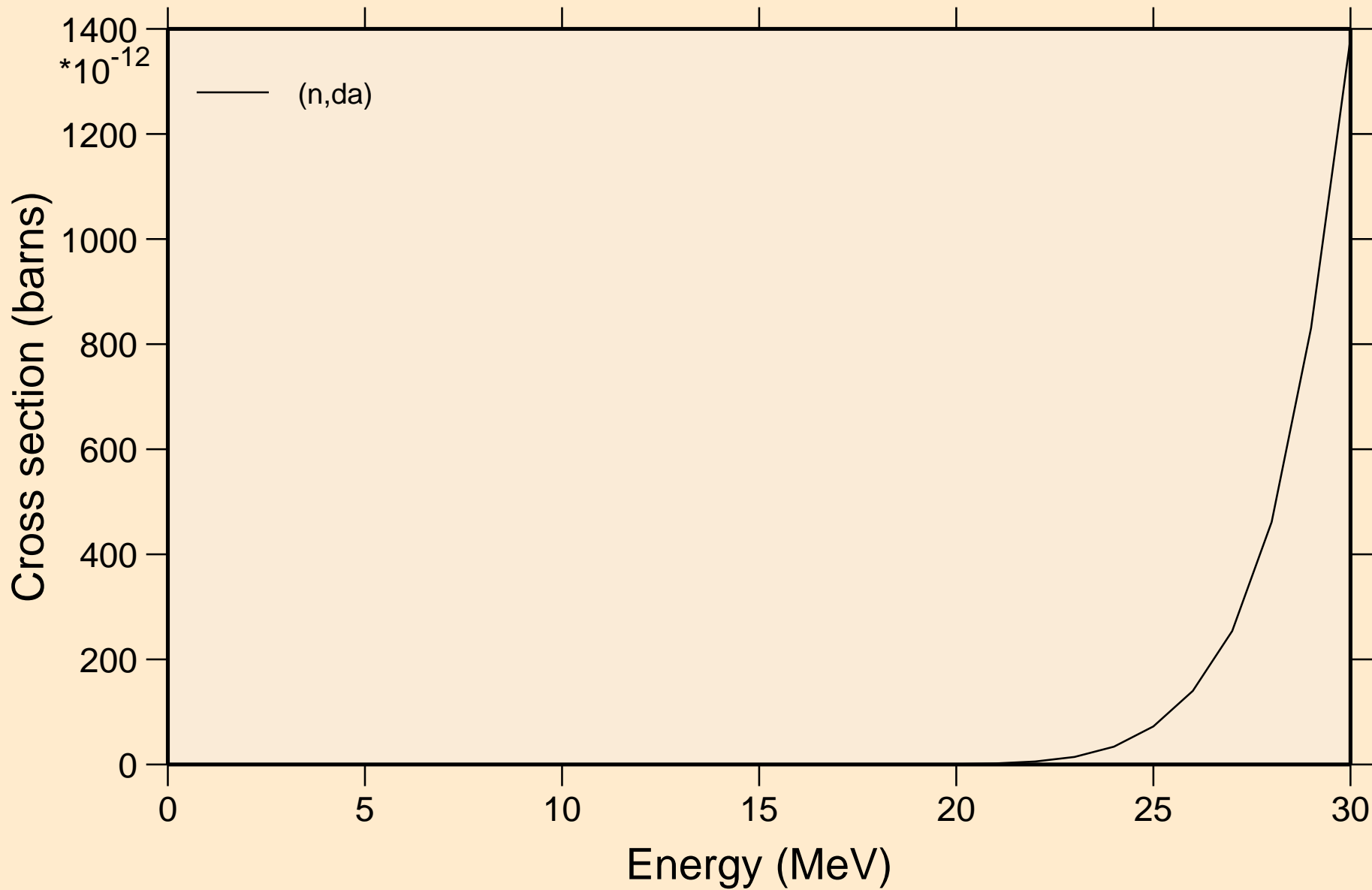
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Threshold reactions



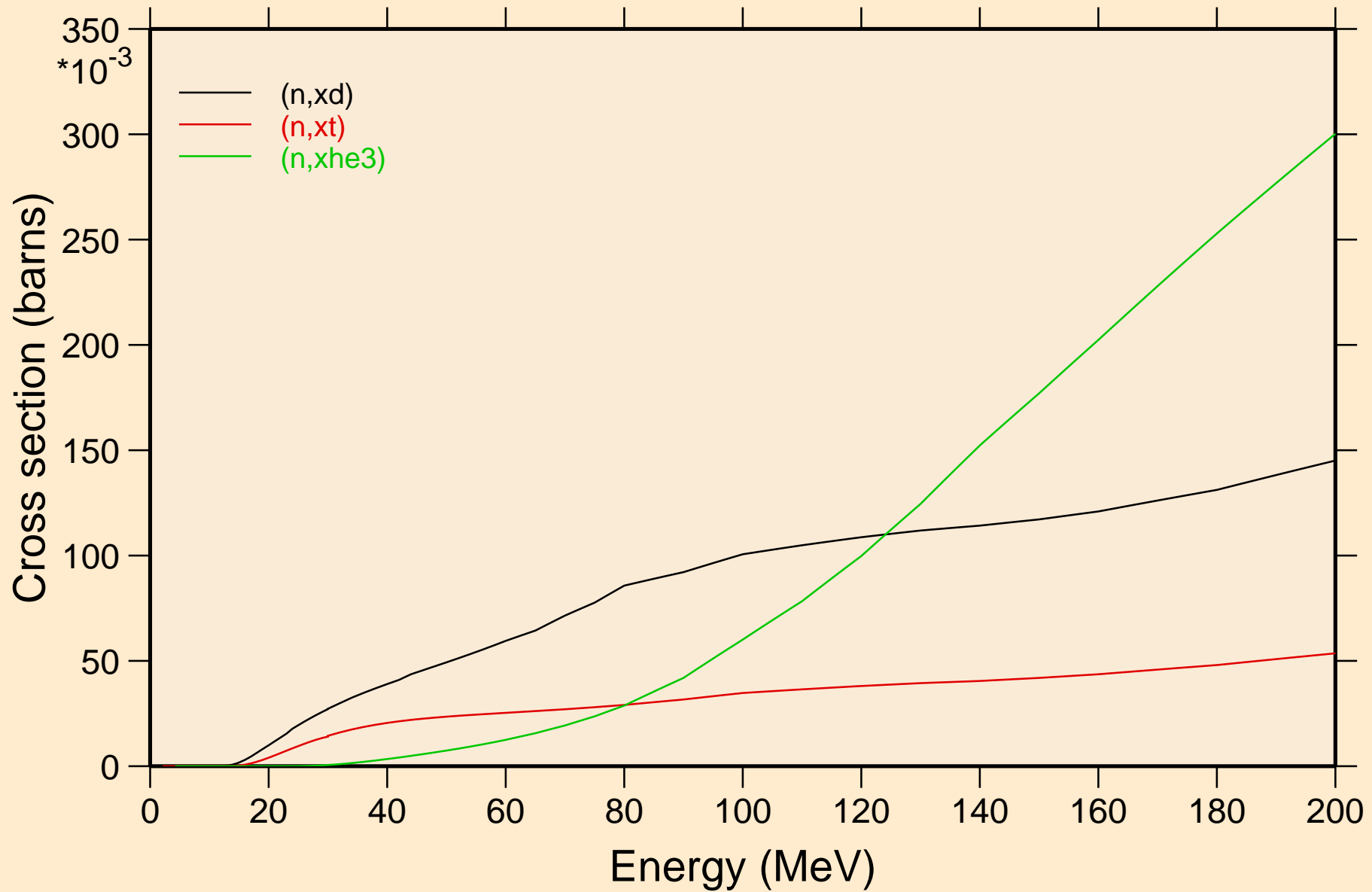
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Threshold reactions



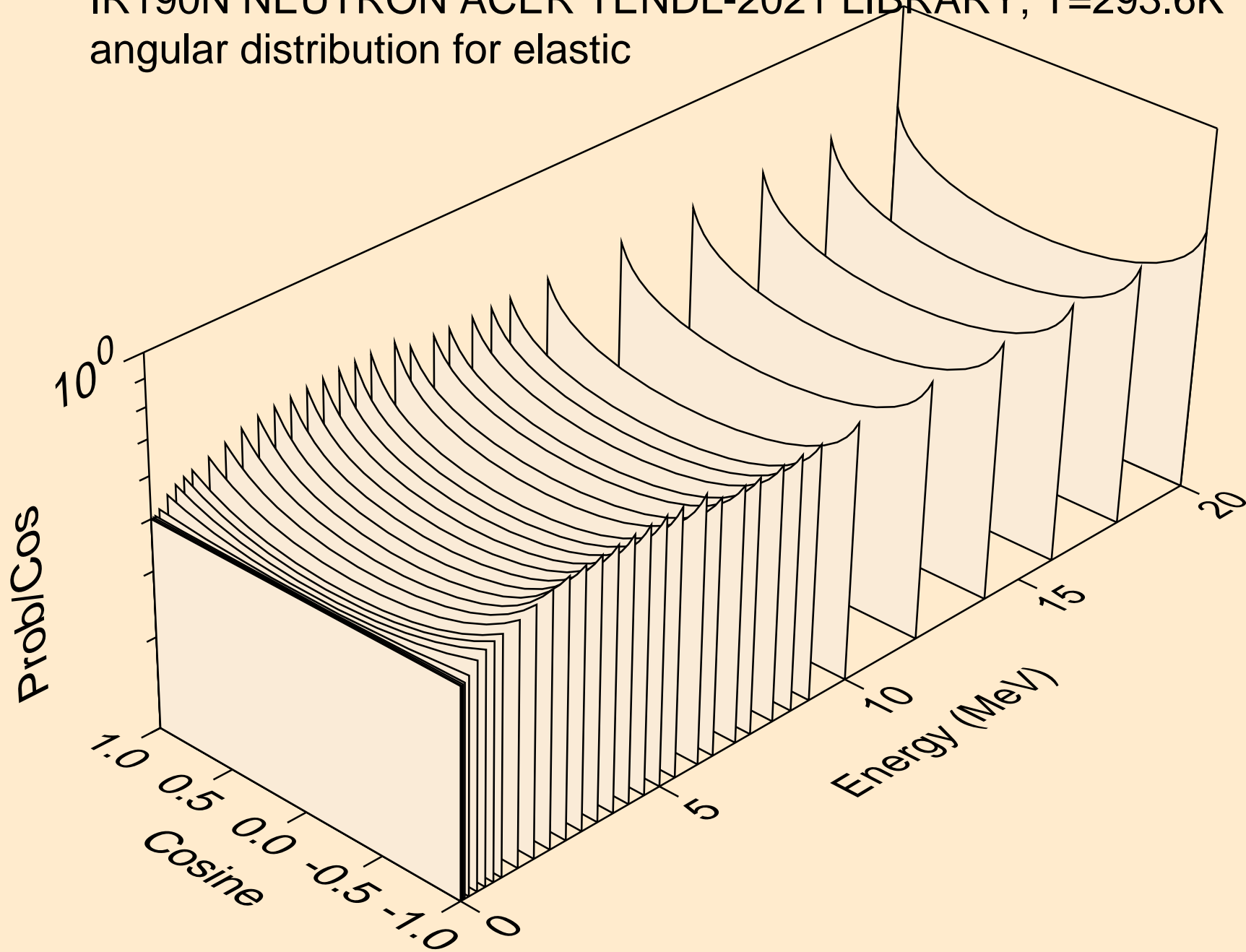
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Threshold reactions



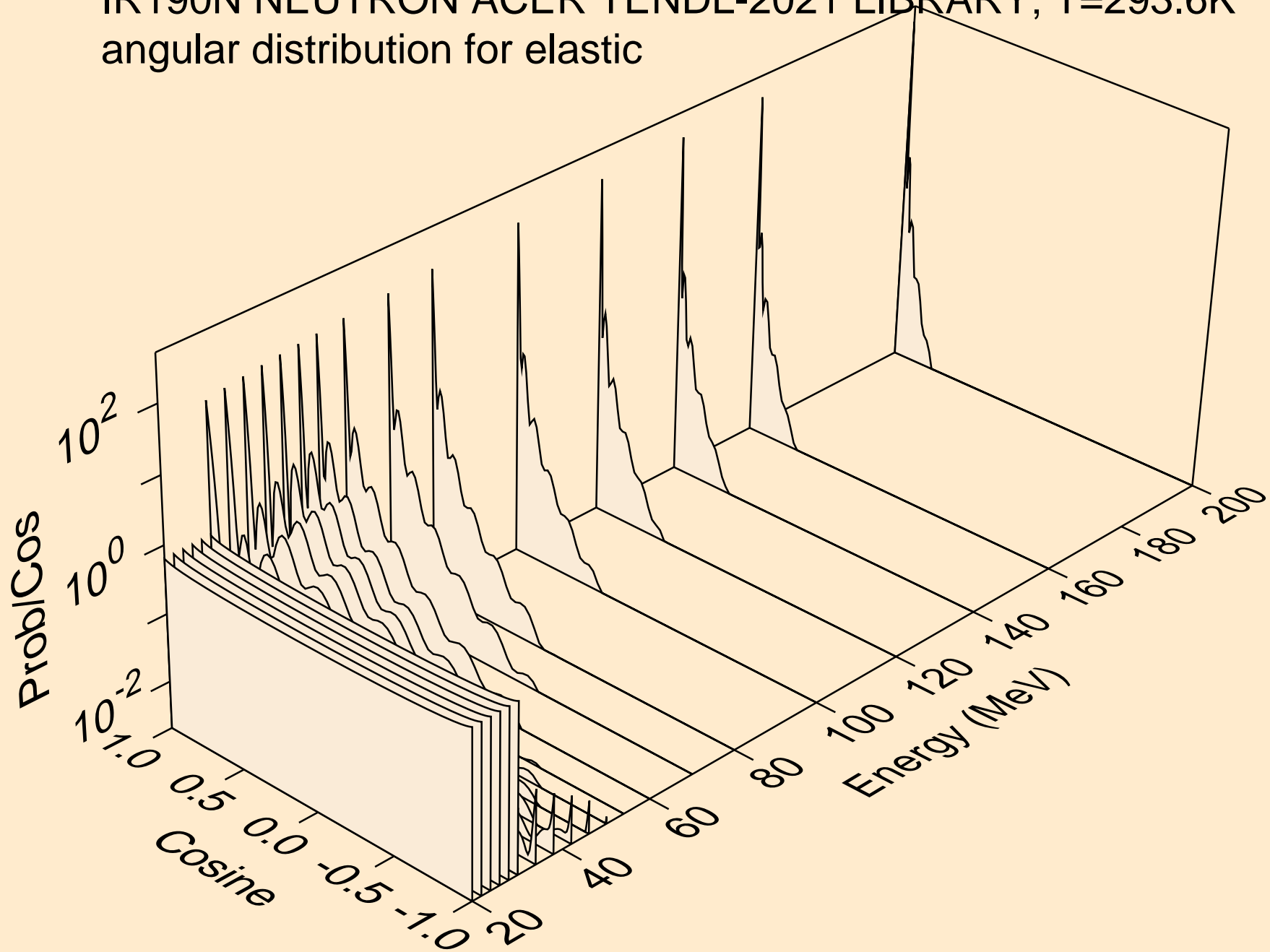
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Threshold reactions



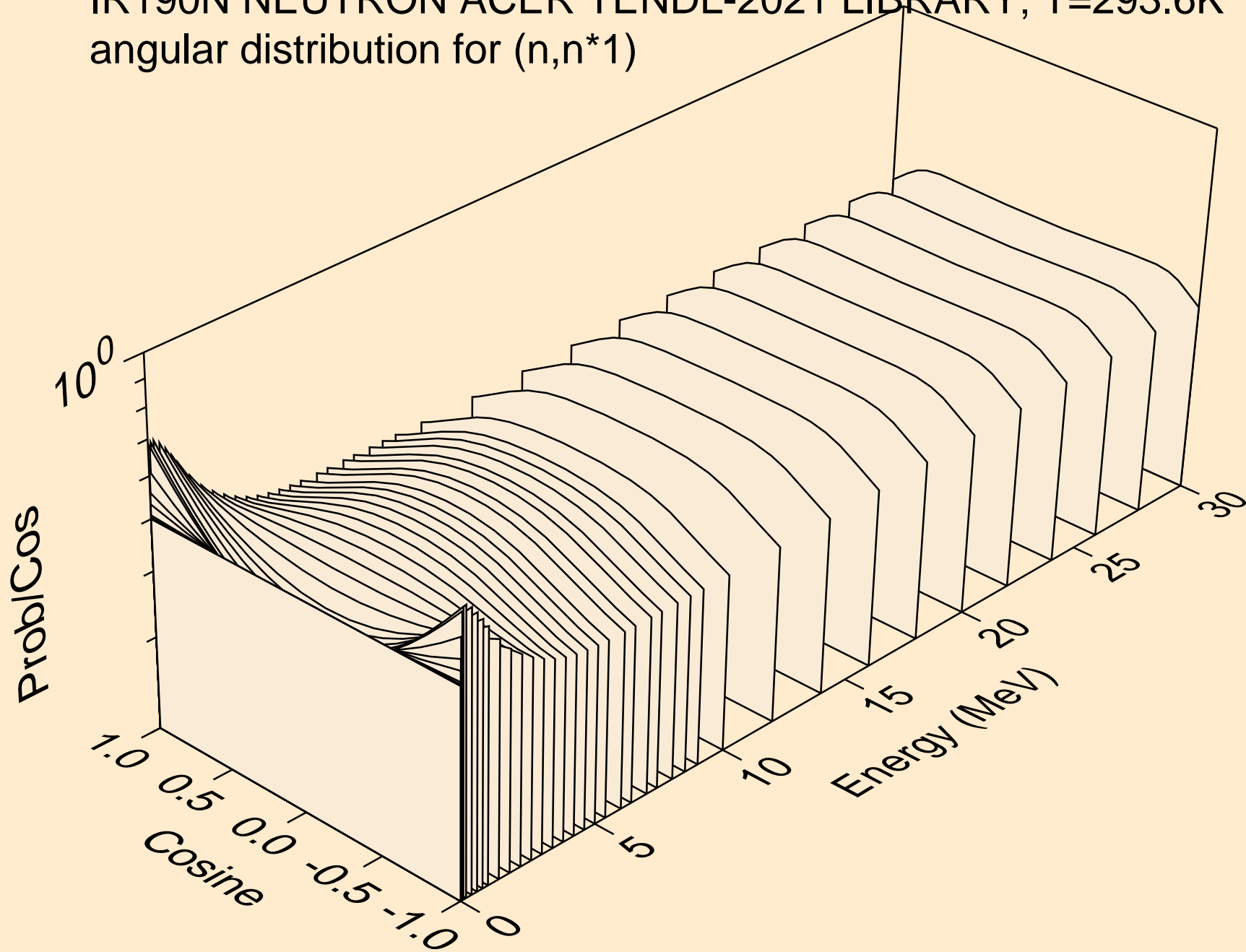
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

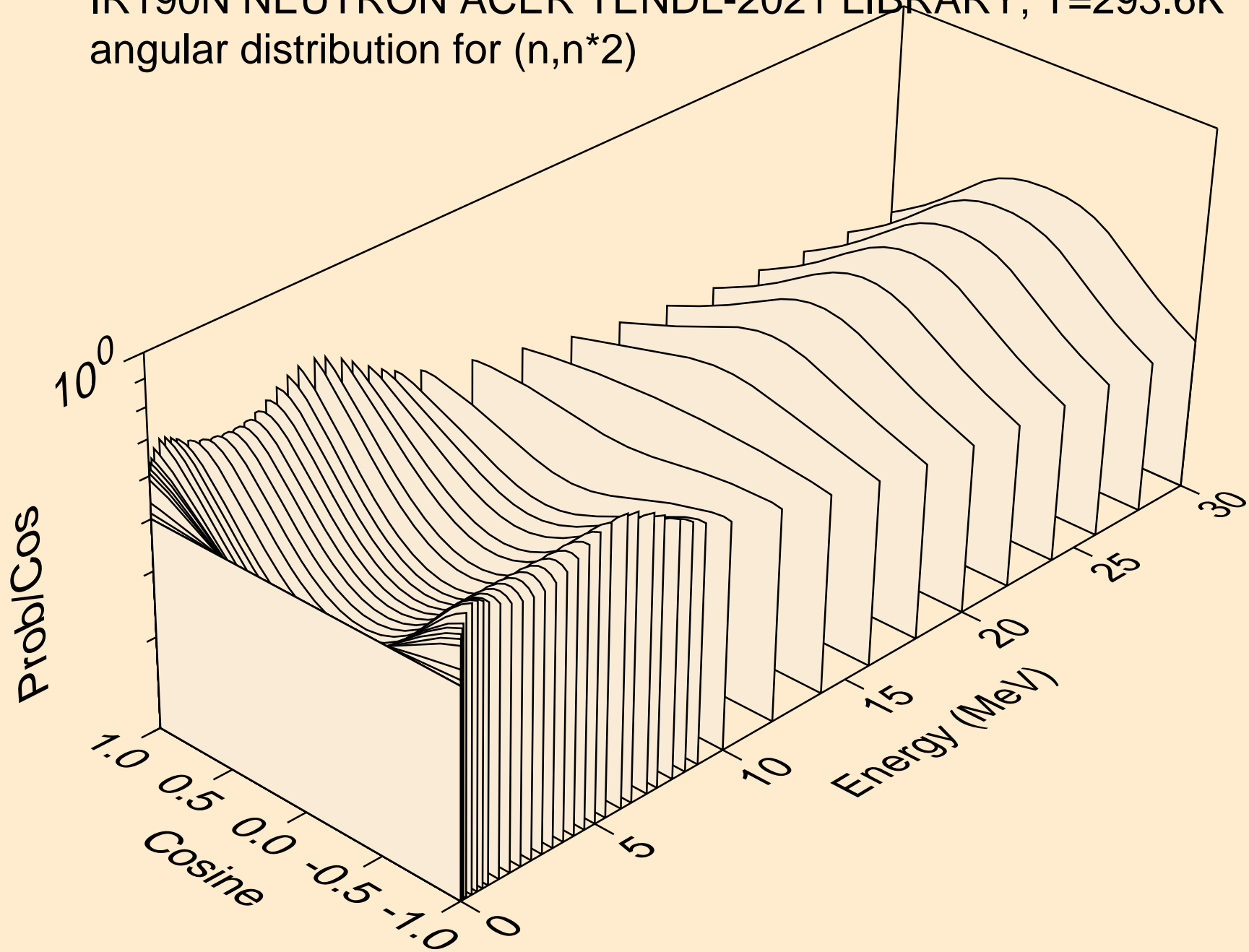


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

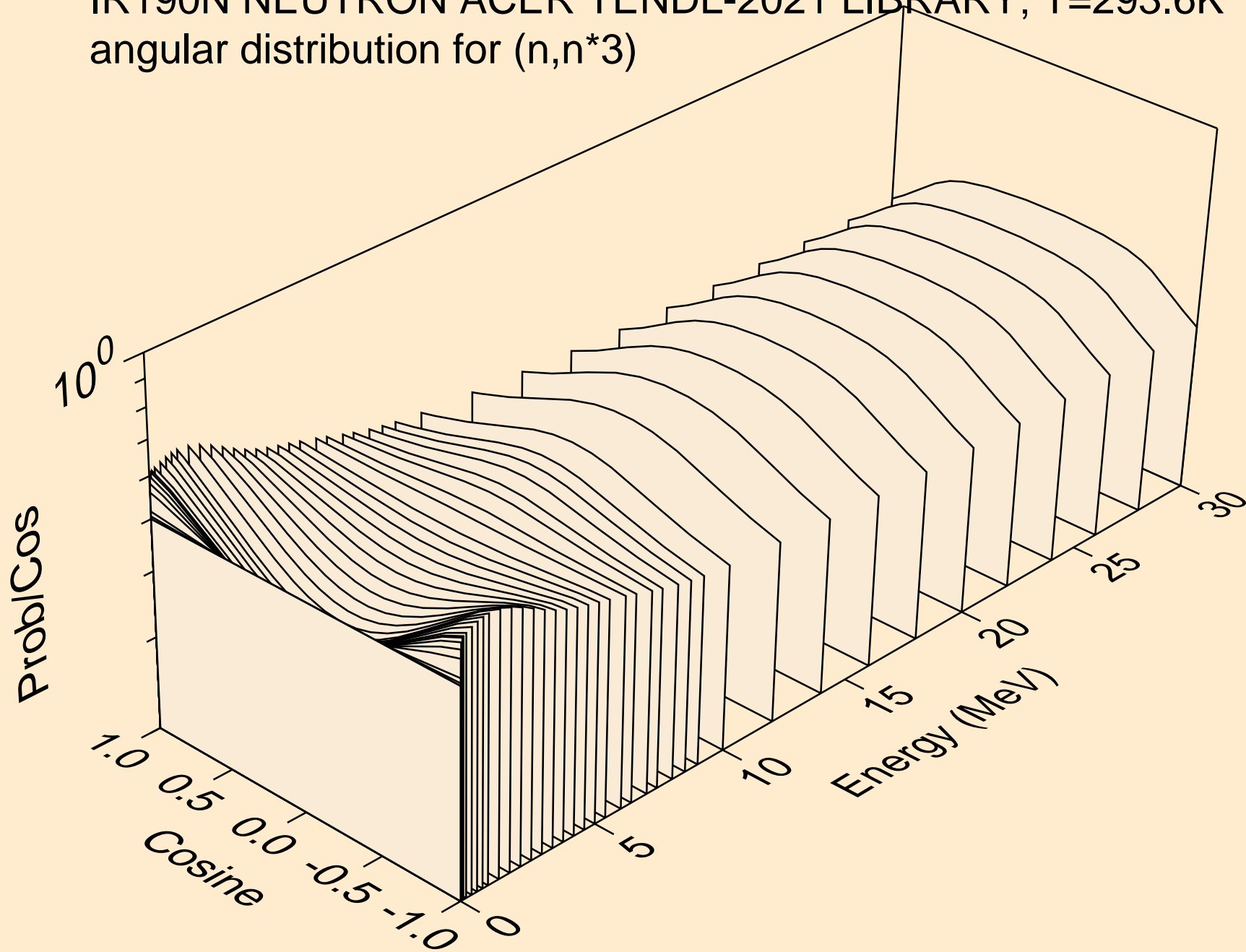




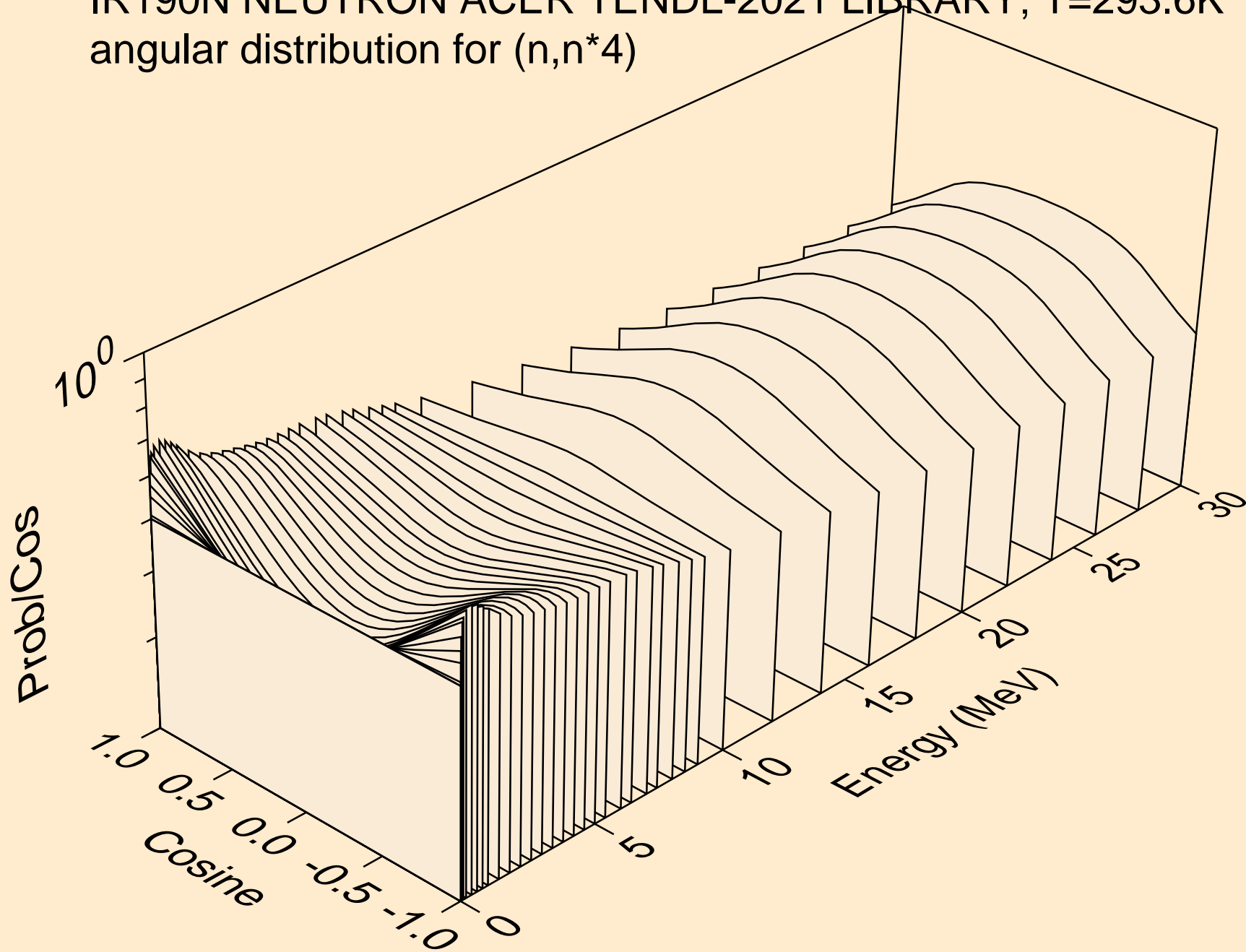
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angular distribution for (n,n\*2)



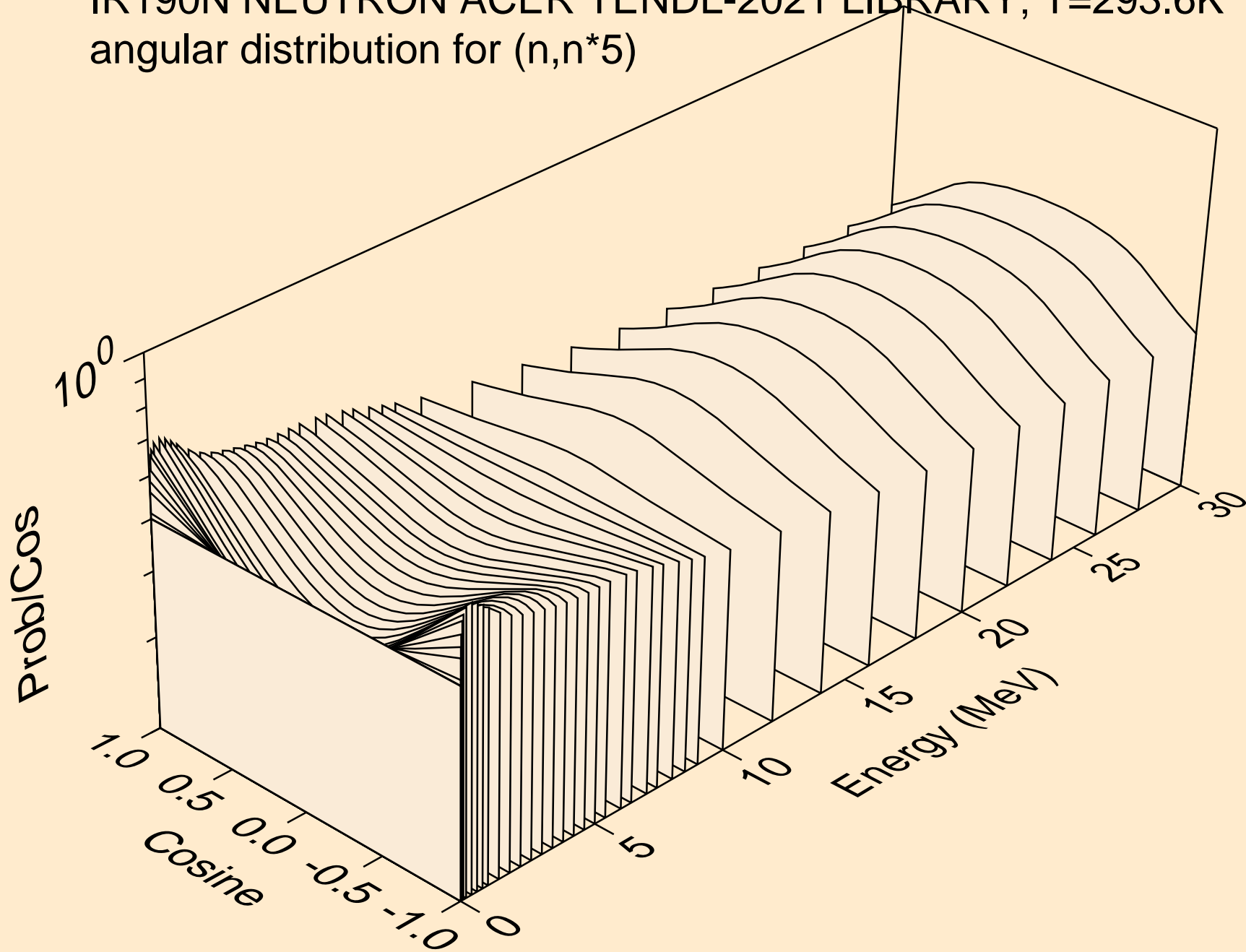
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angular distribution for (n,n\*3)



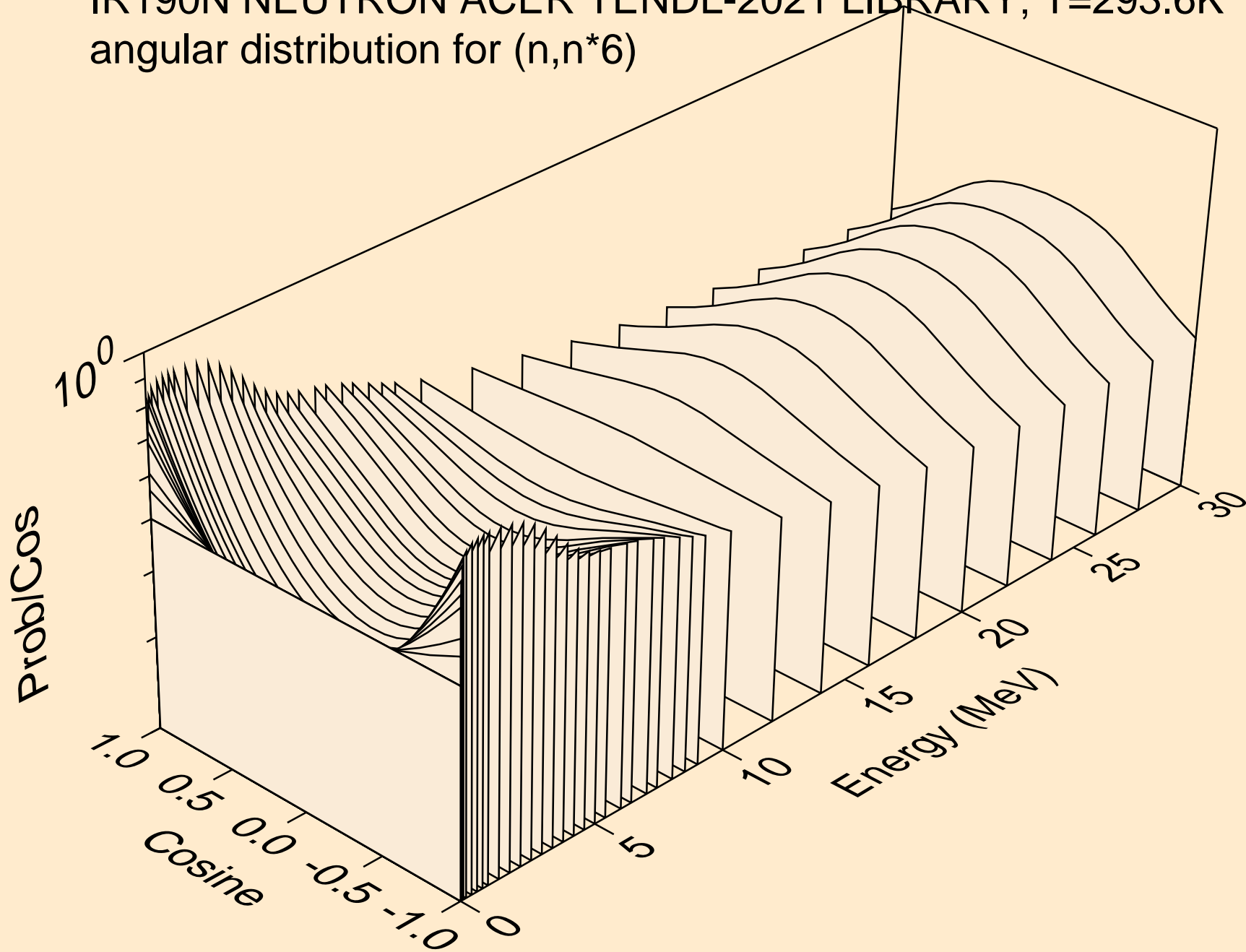
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angular distribution for (n,n\*4)



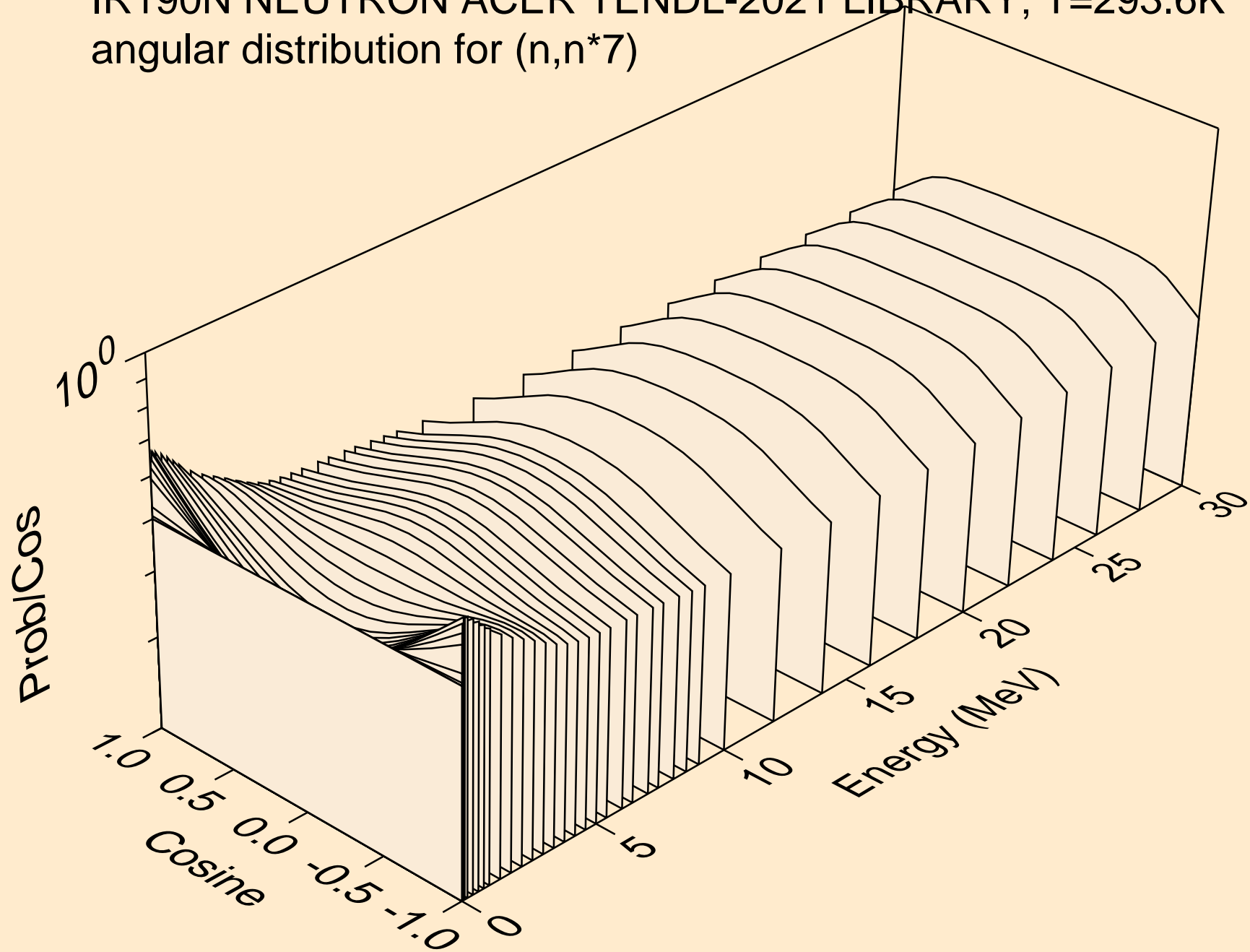
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angular distribution for (n,n\*5)



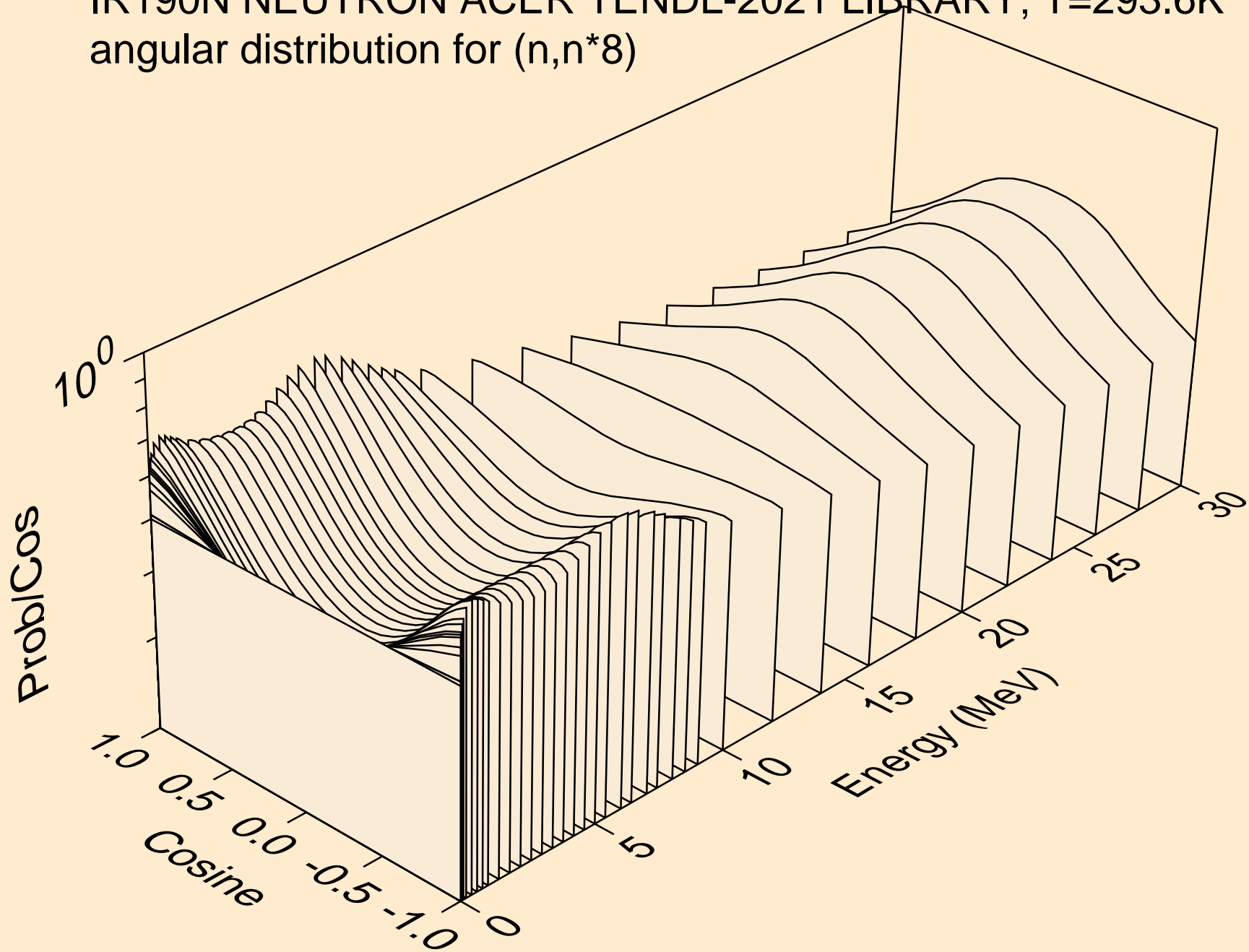
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angular distribution for (n,n\*6)



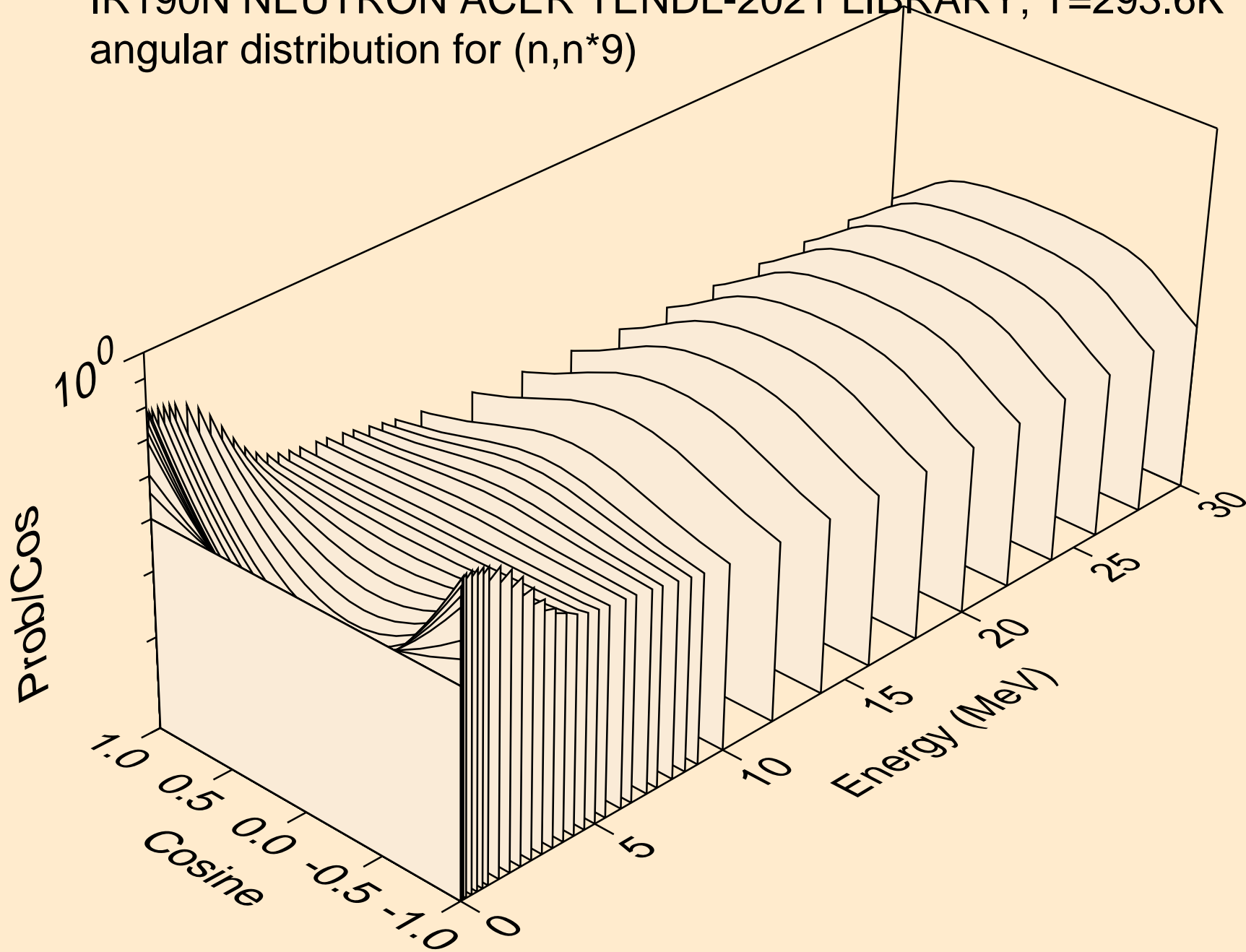
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

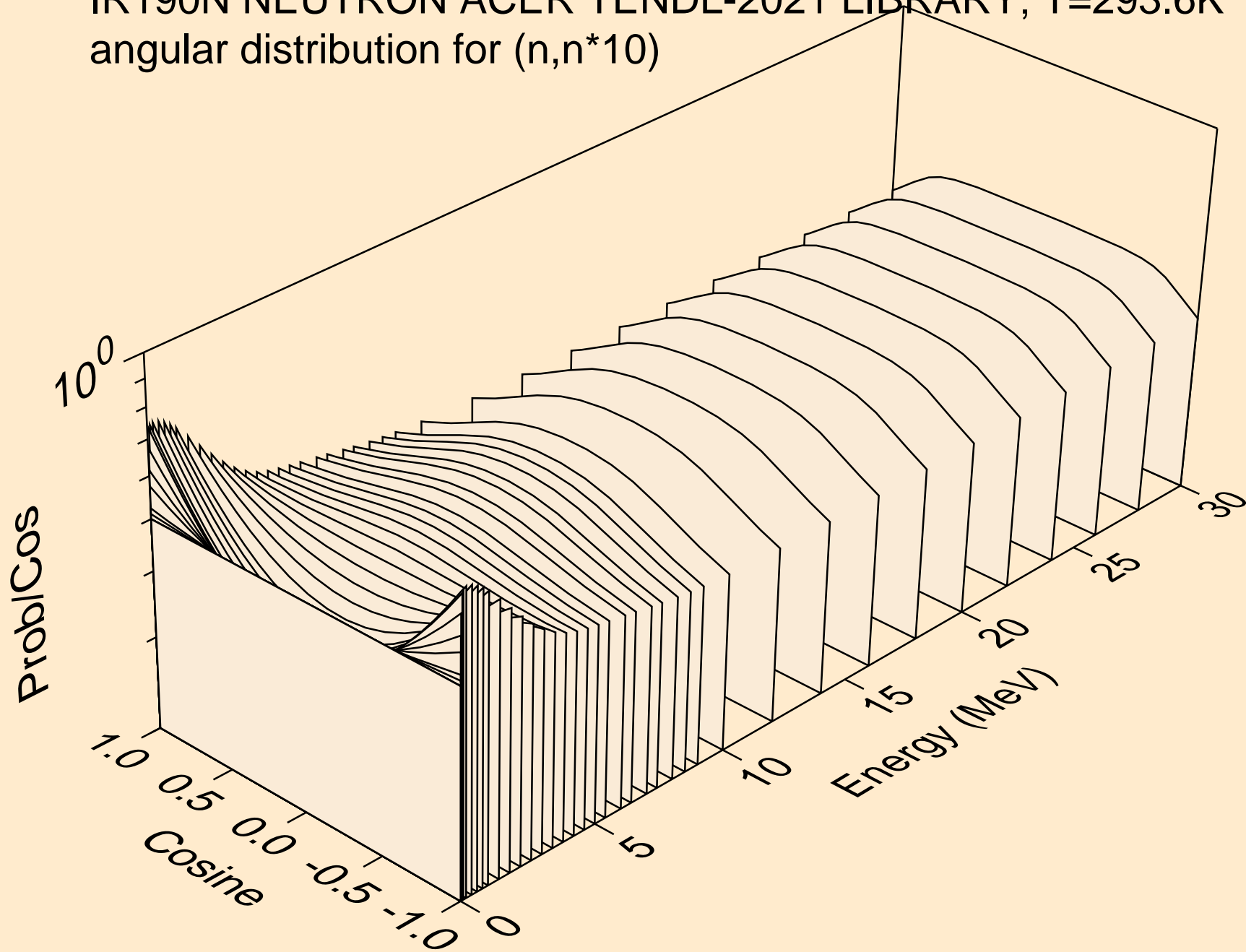


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

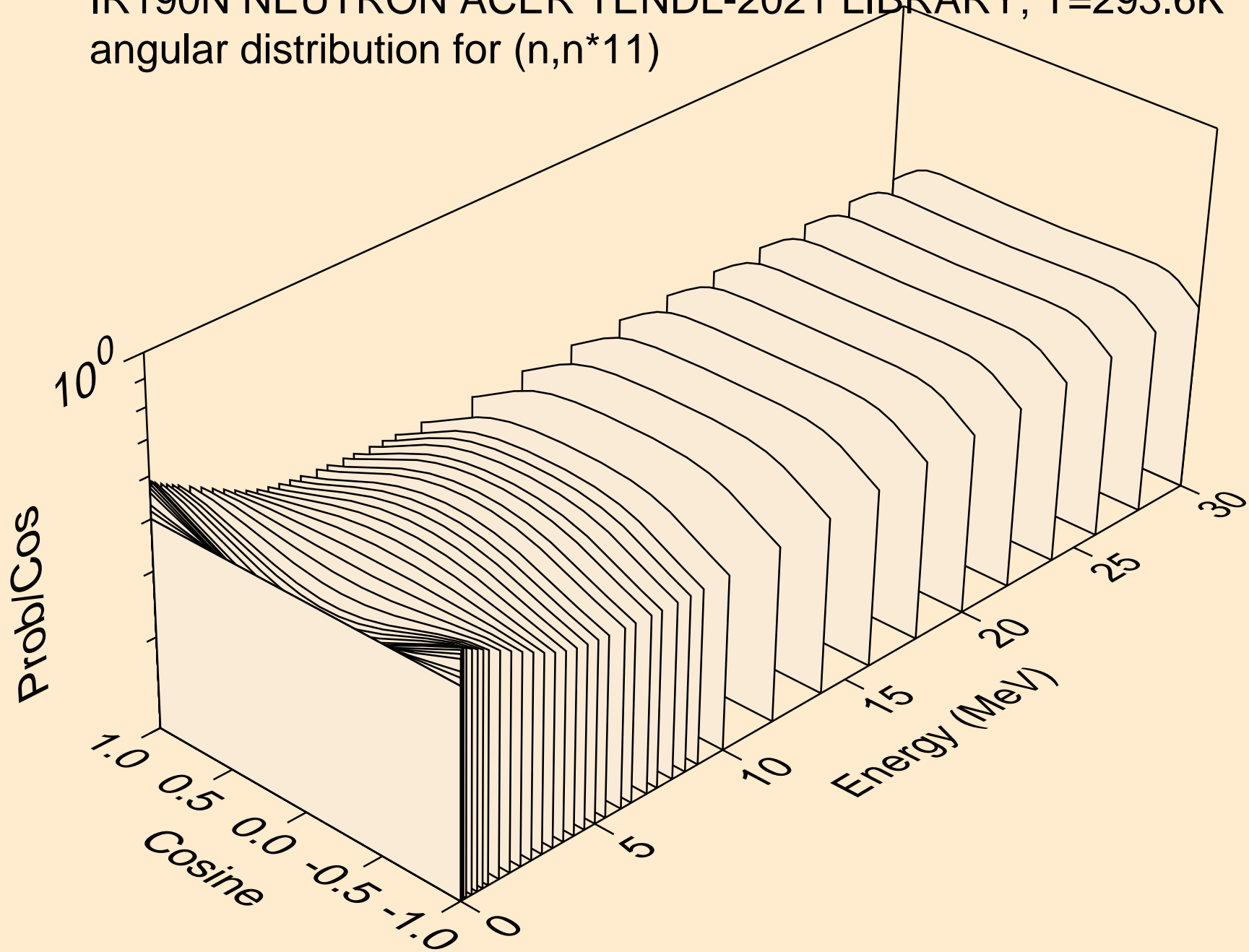




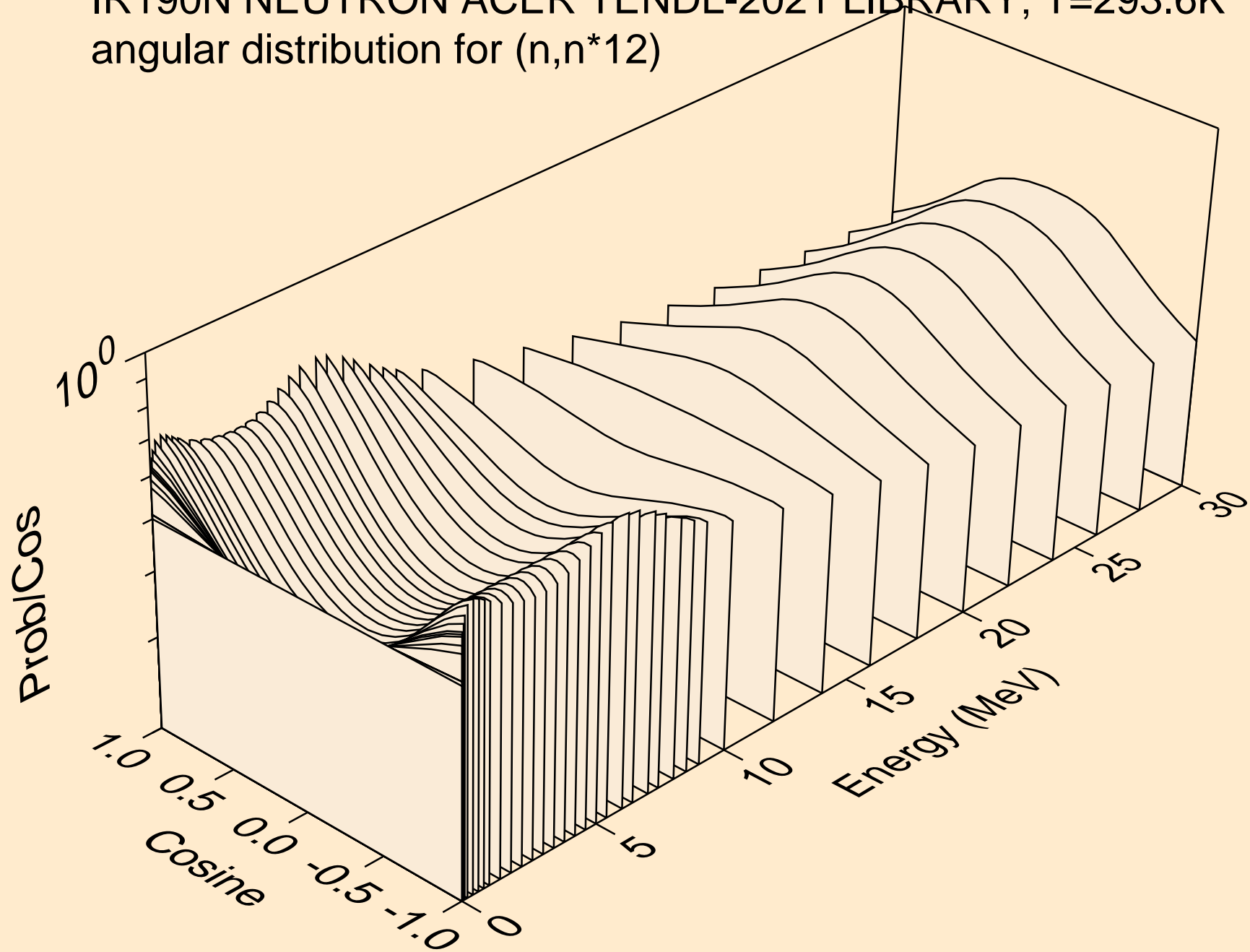
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angular distribution for (n,n\*10)



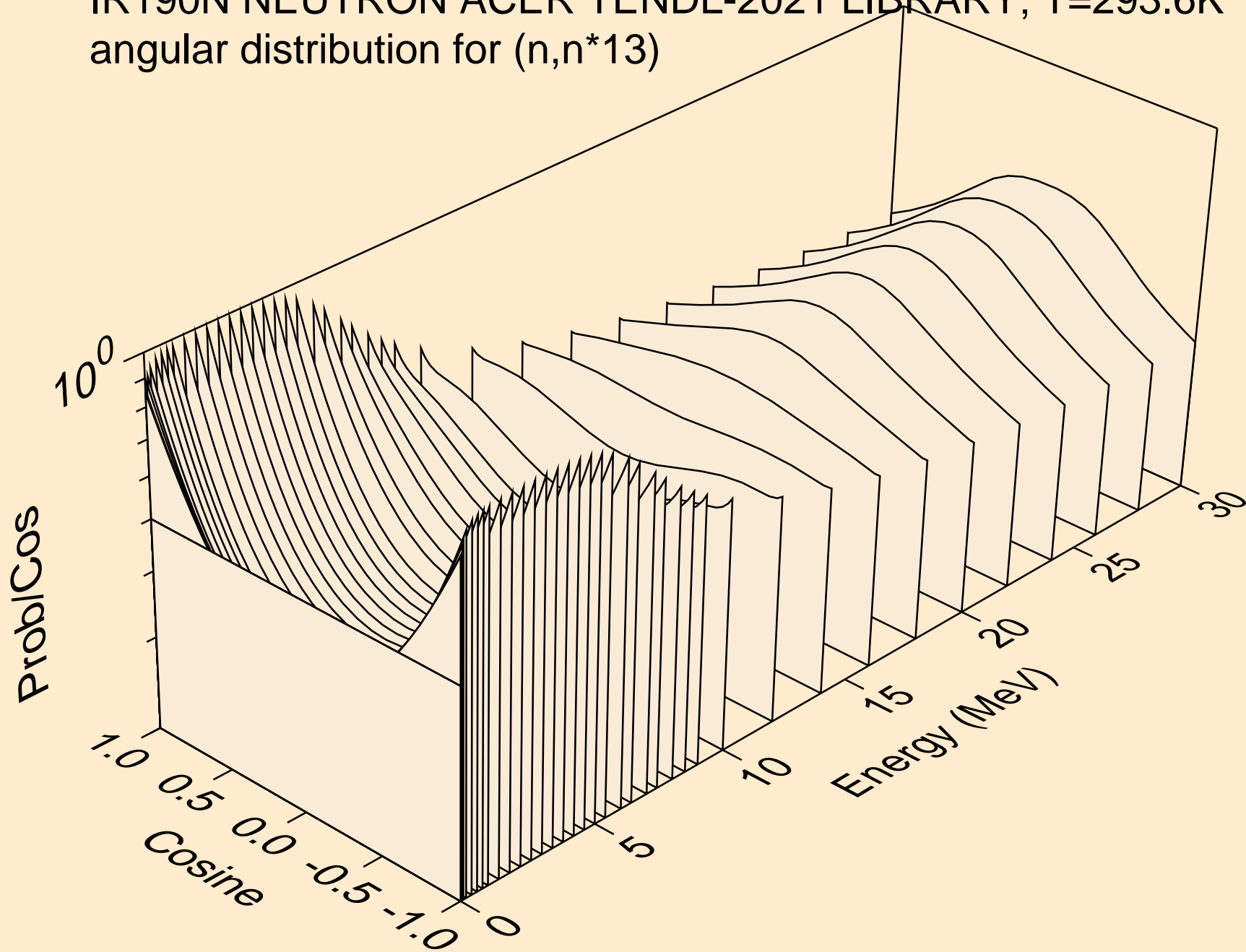
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angular distribution for (n,n\*11)



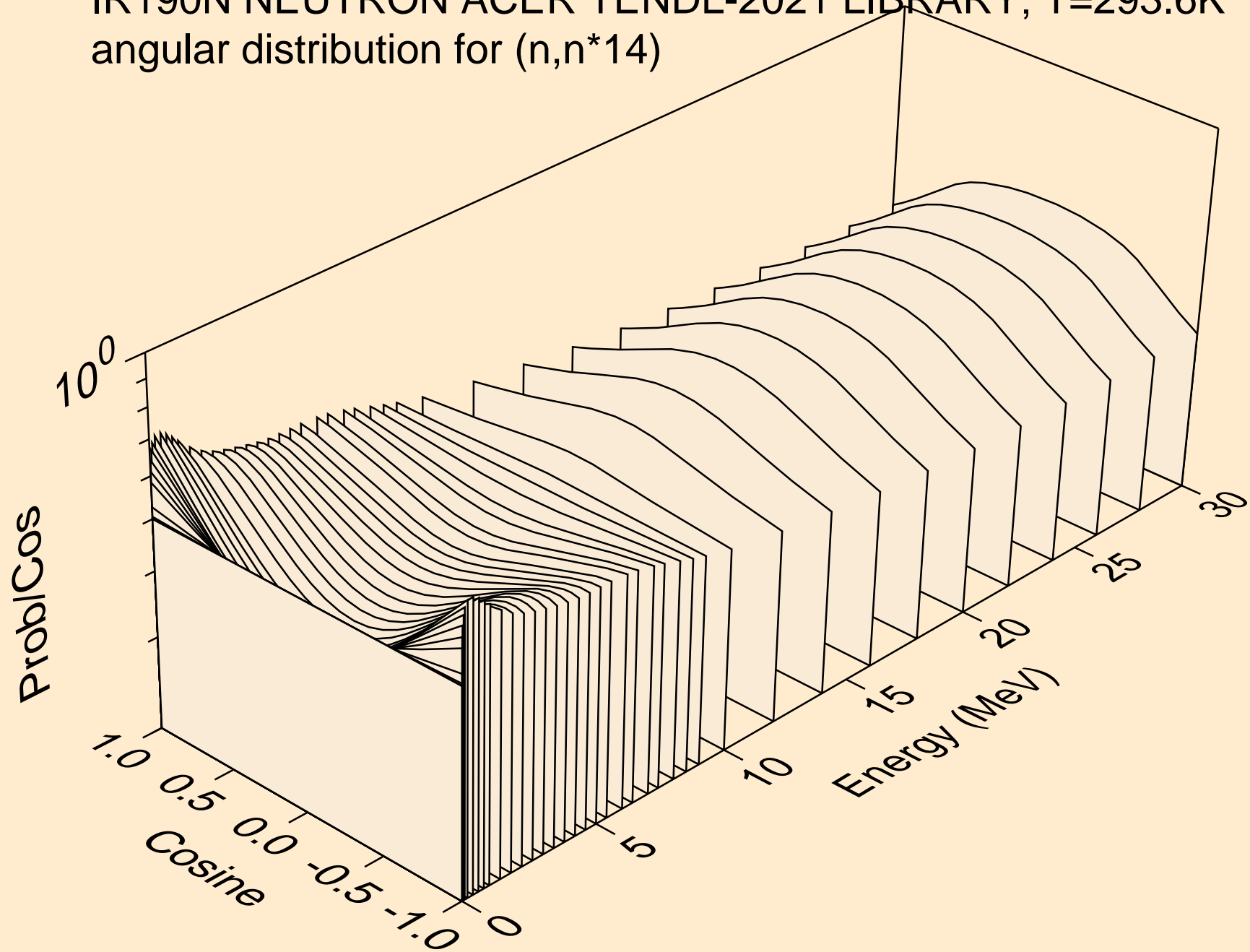
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angular distribution for (n,n\*12)



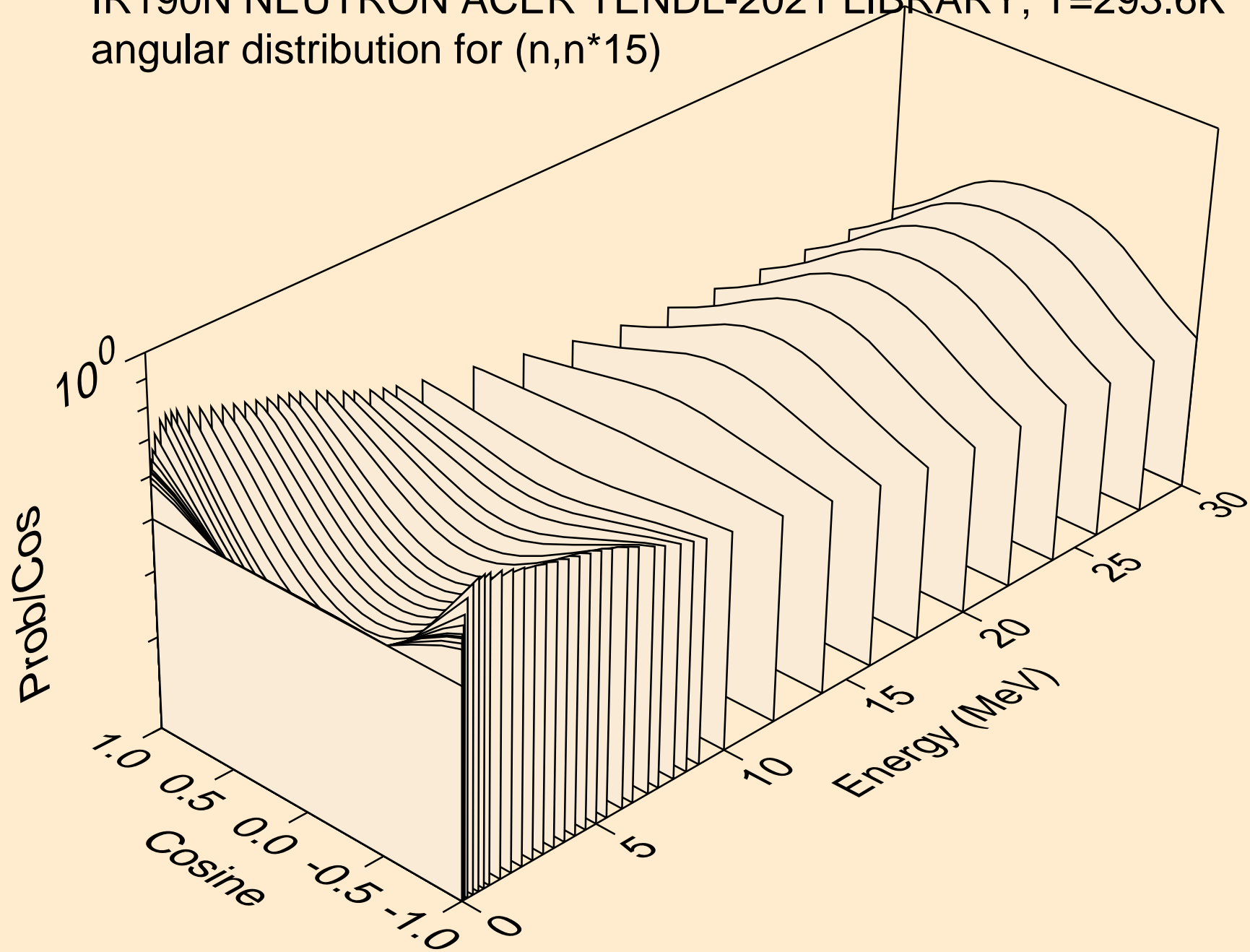
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angular distribution for (n,n\*13)



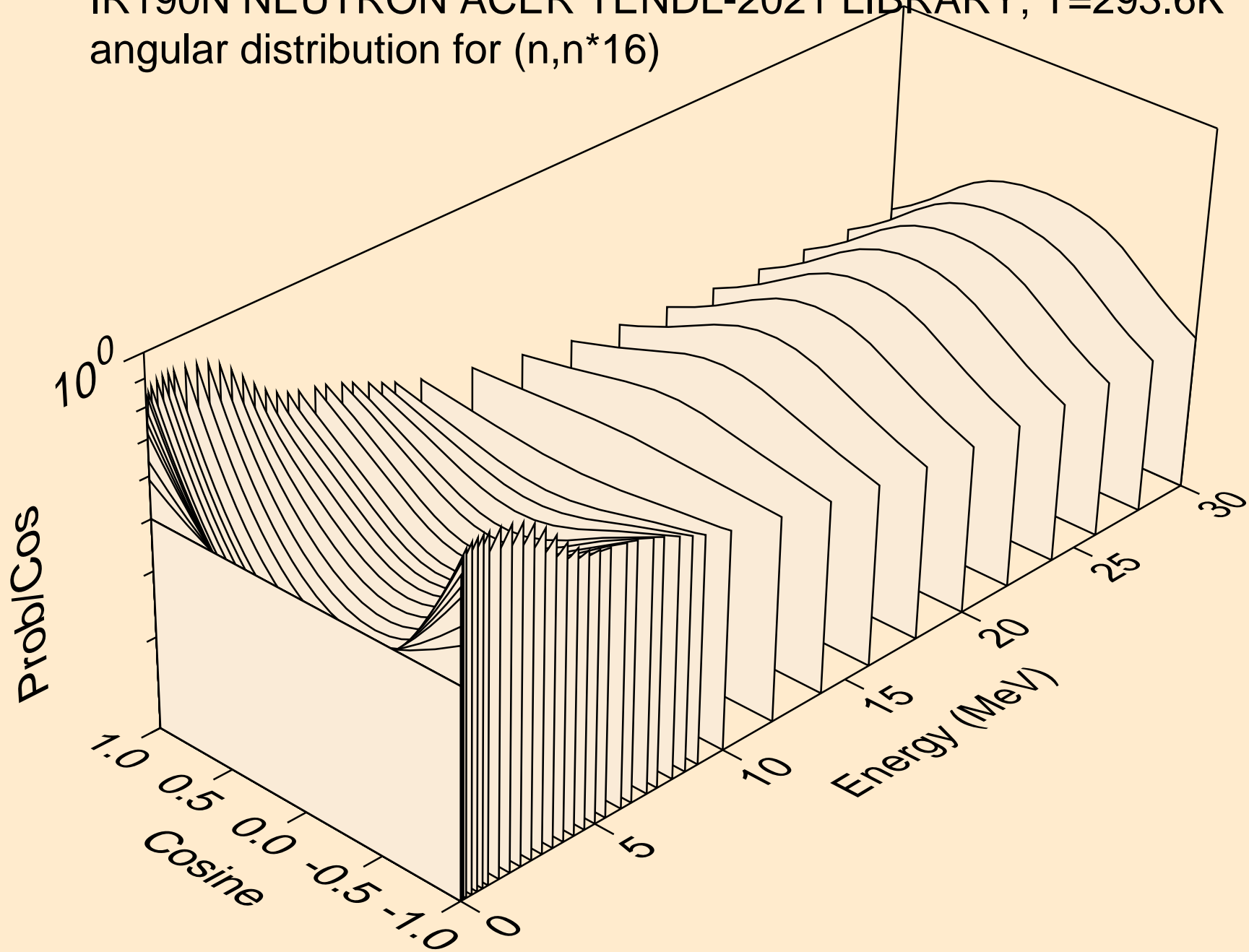
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angular distribution for (n,n\*14)



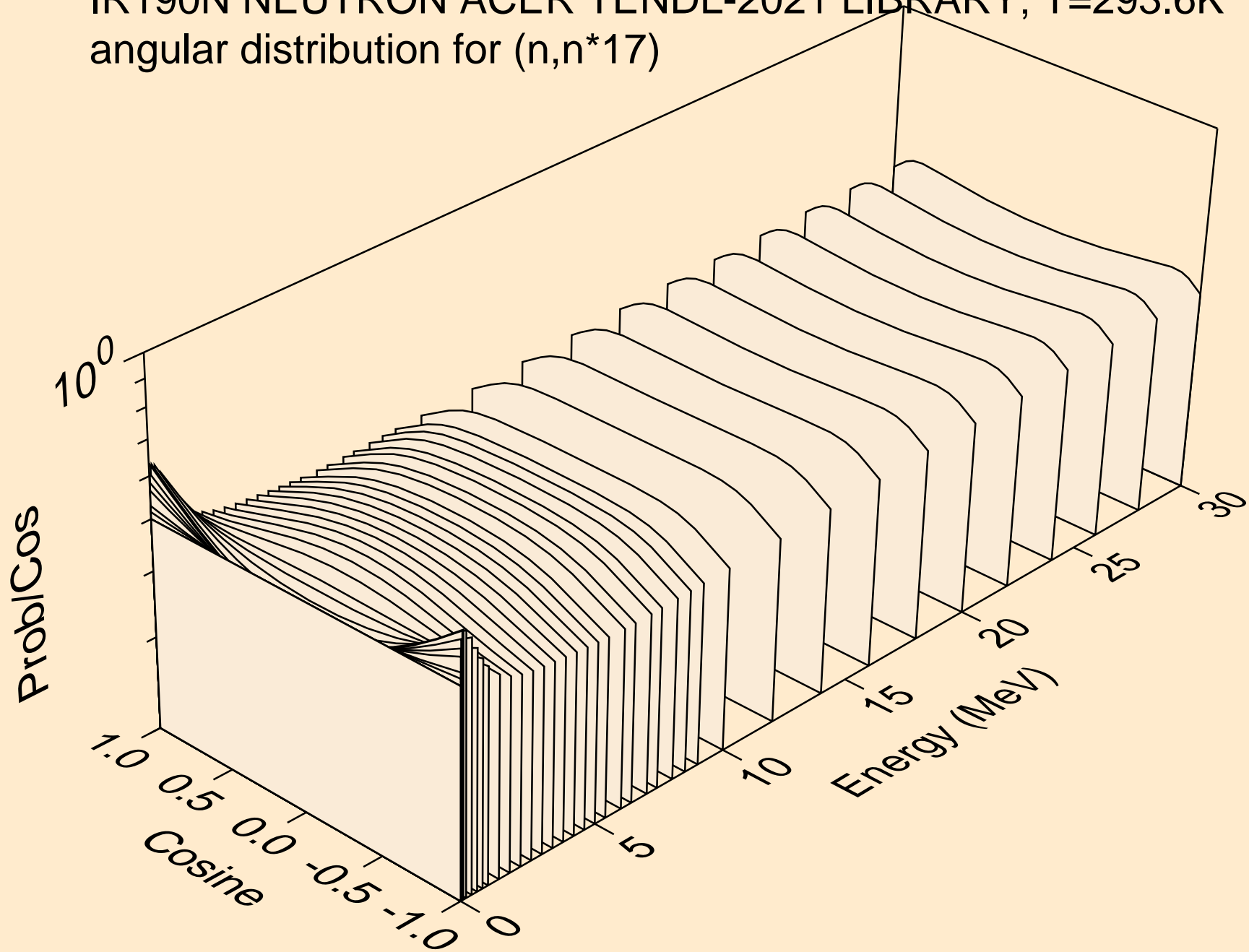
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

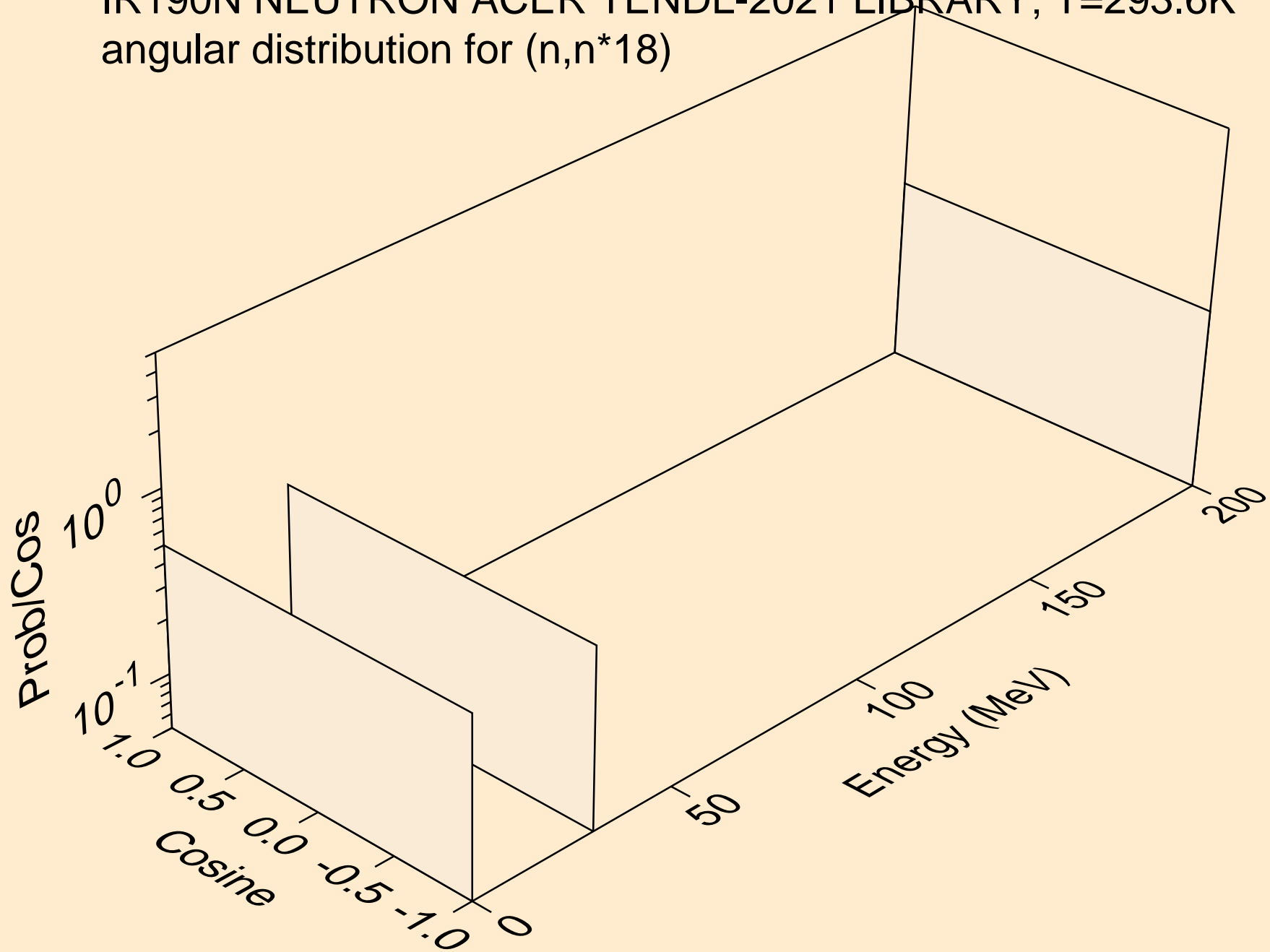


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angular distribution for (n,n\*17)

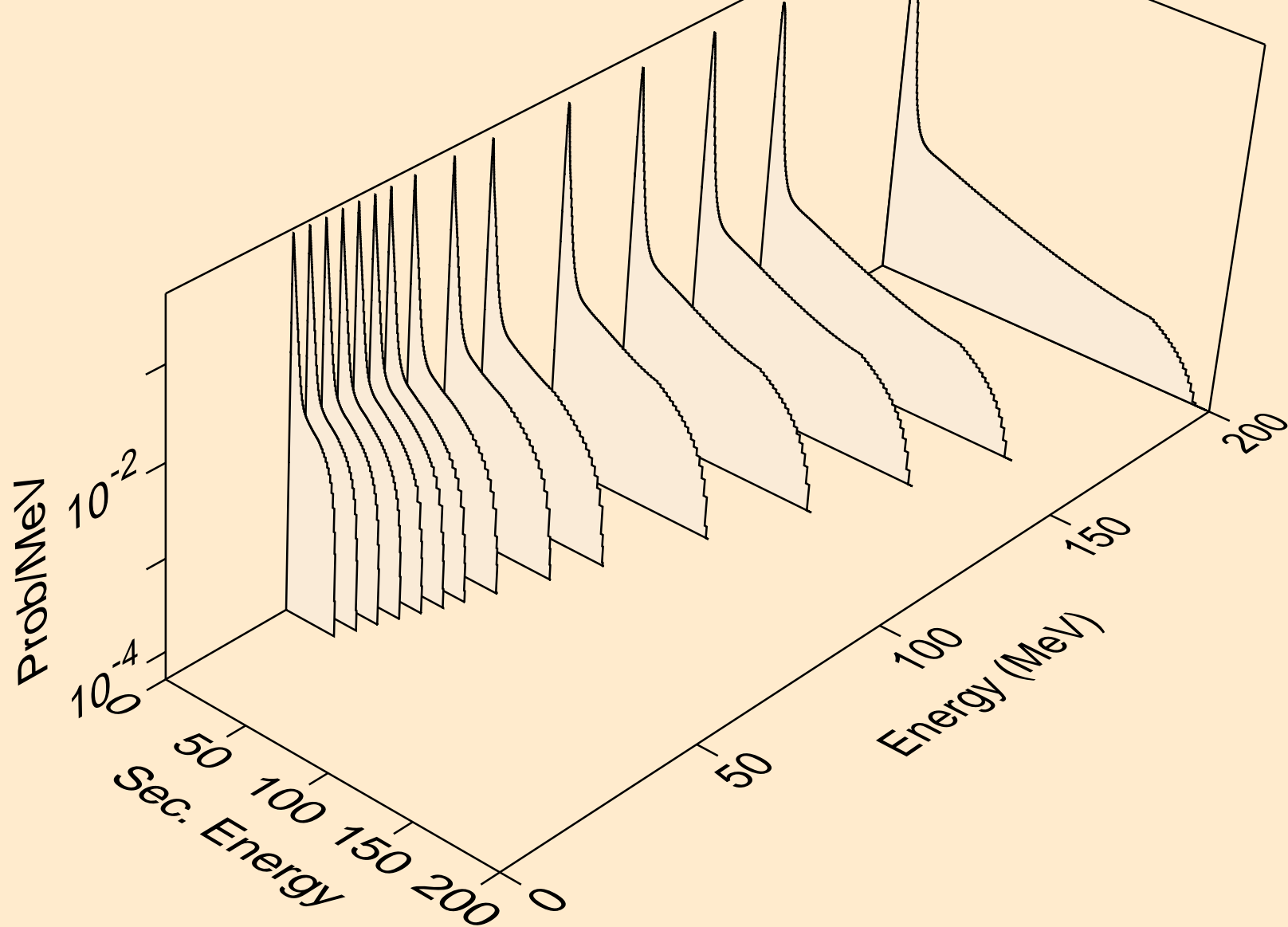




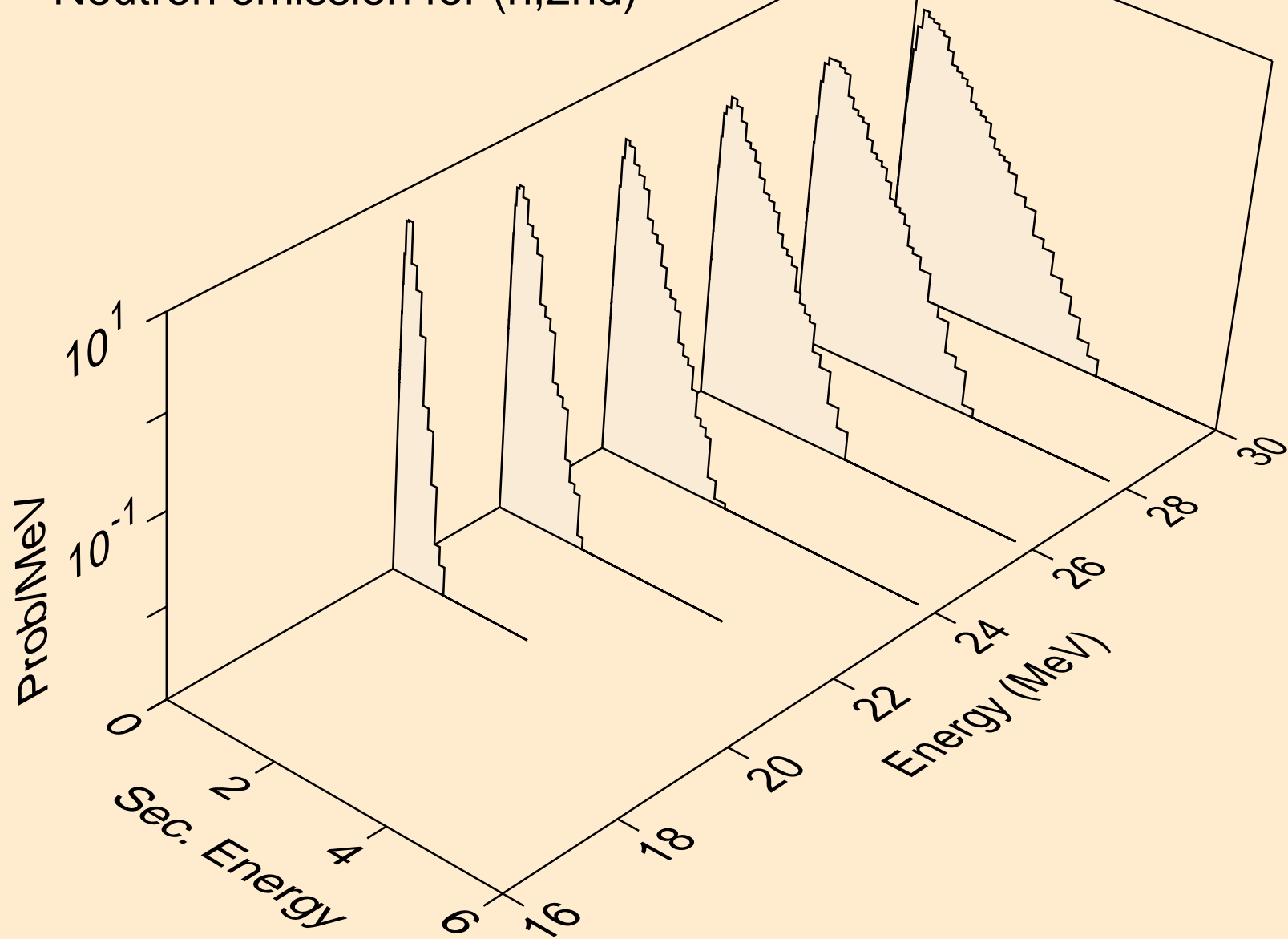
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angular distribution for (n,n\*18)



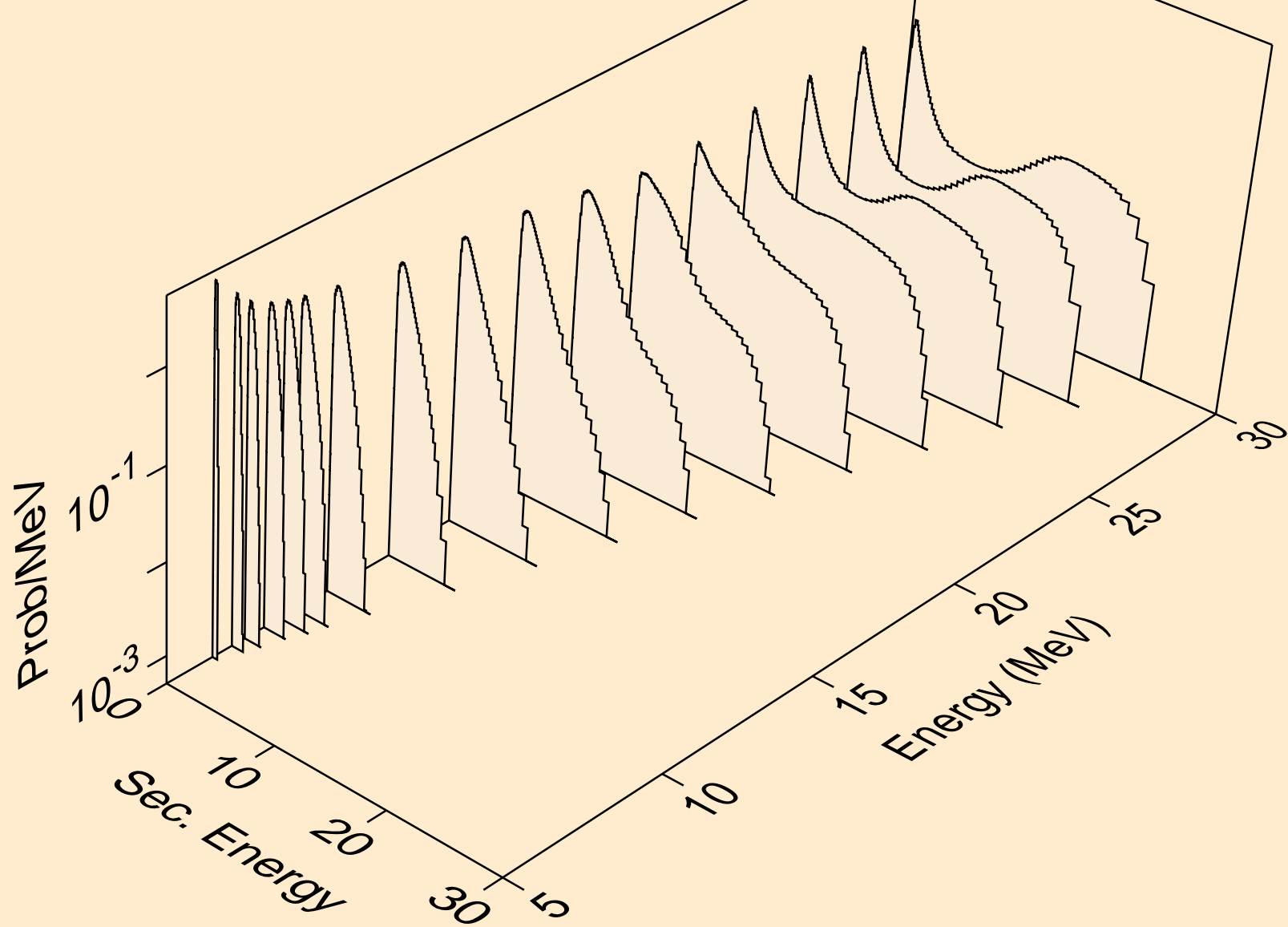
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Neutron emission for (n,x)



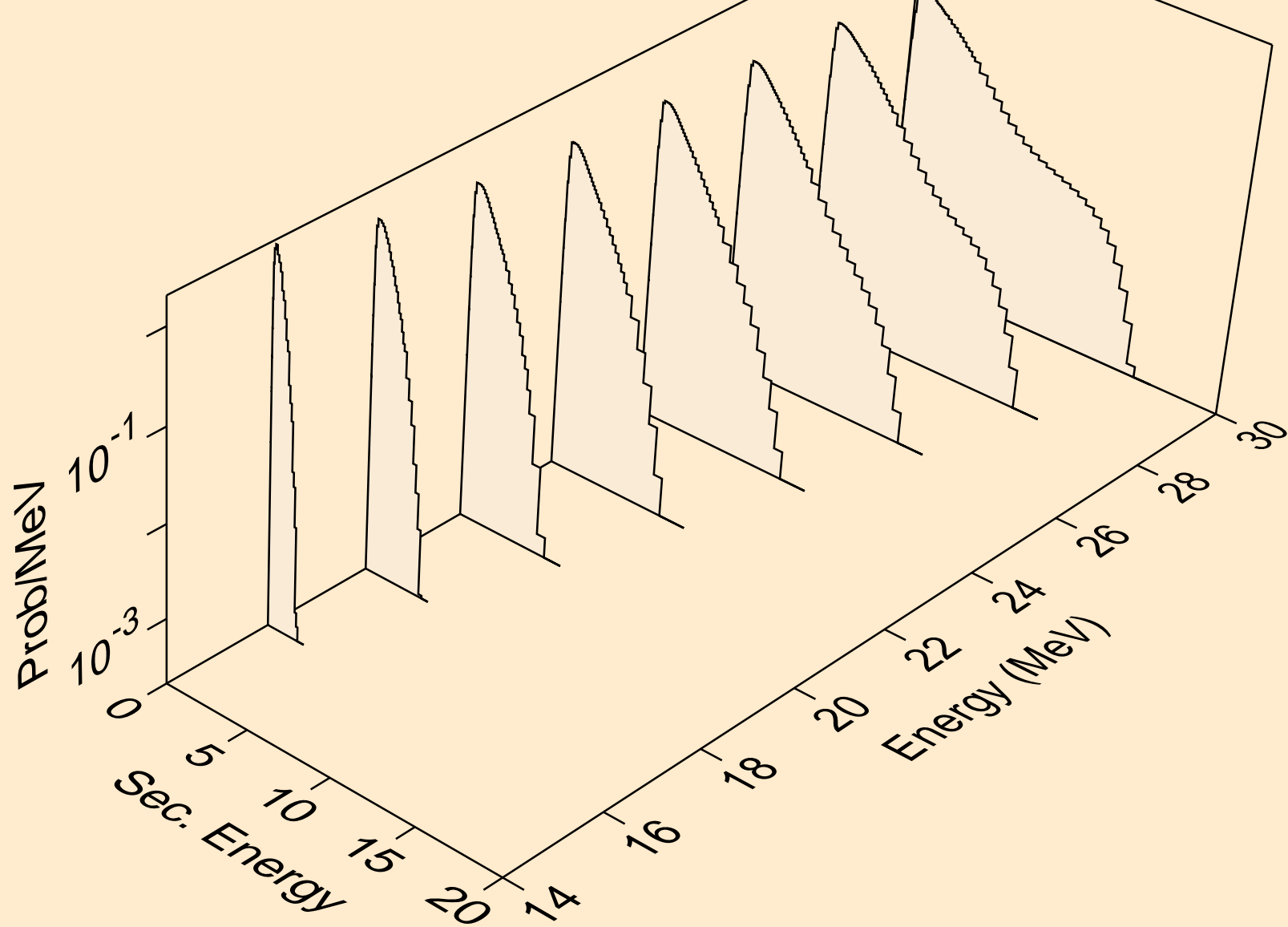
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



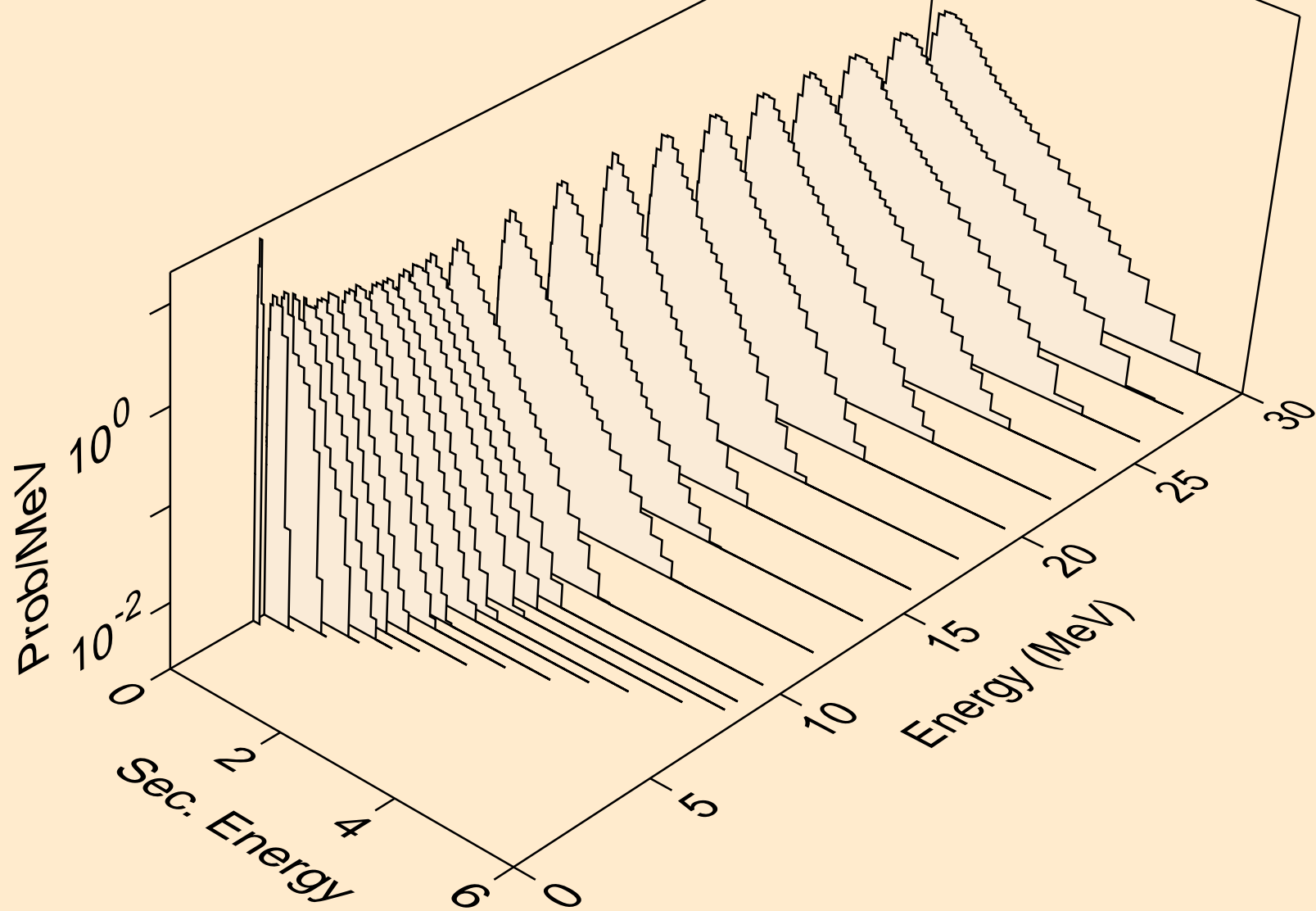
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



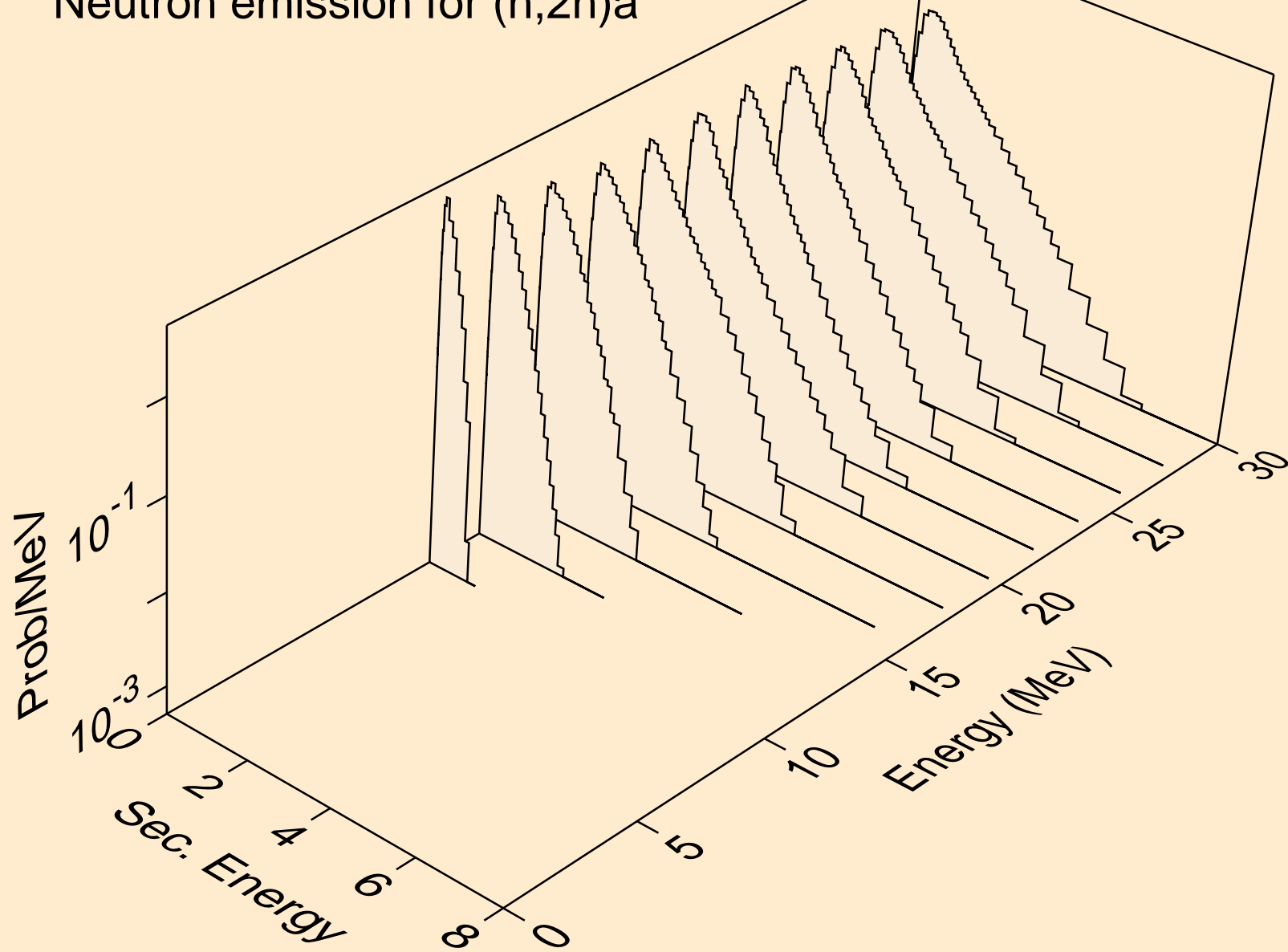
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



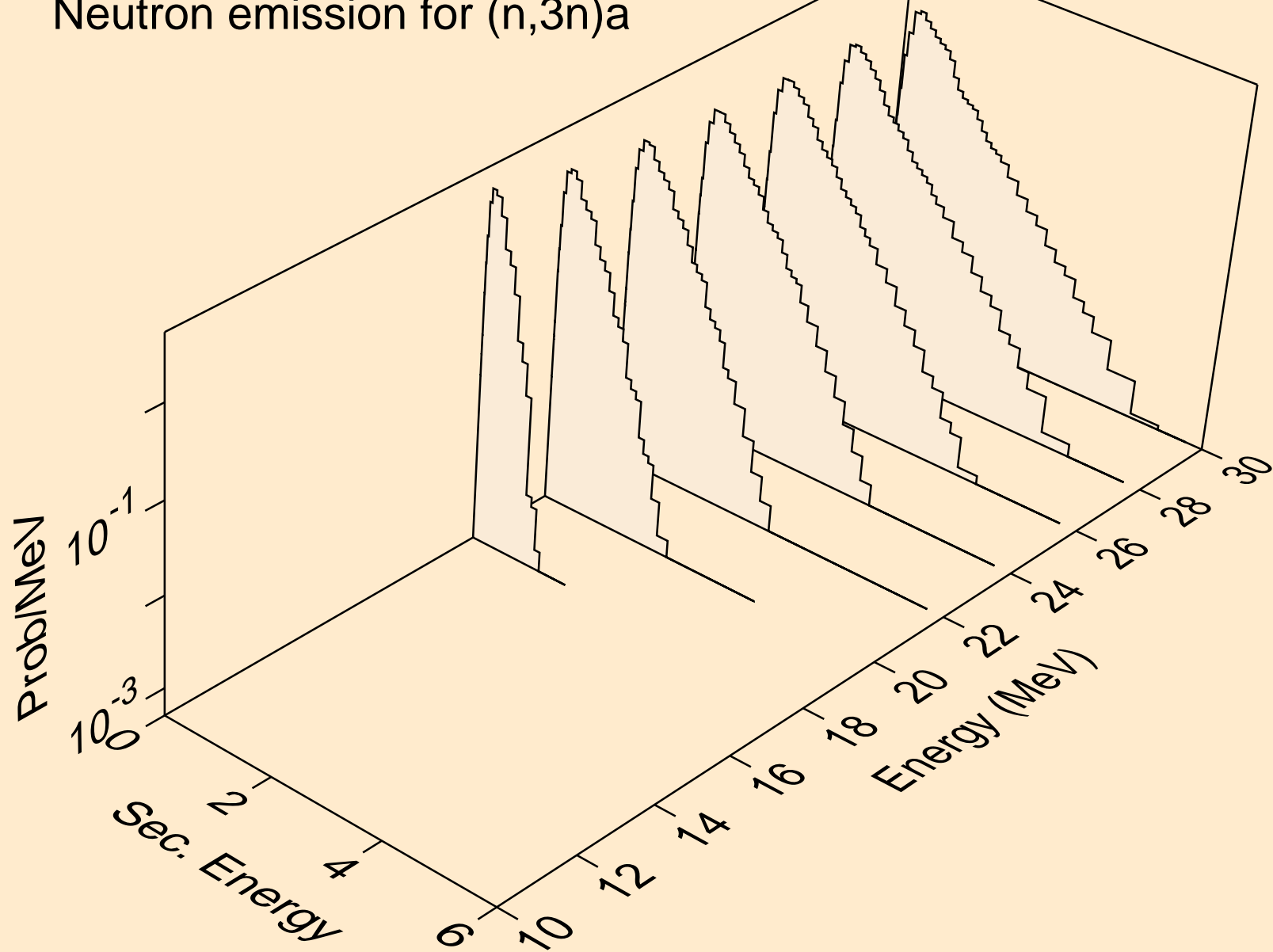
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

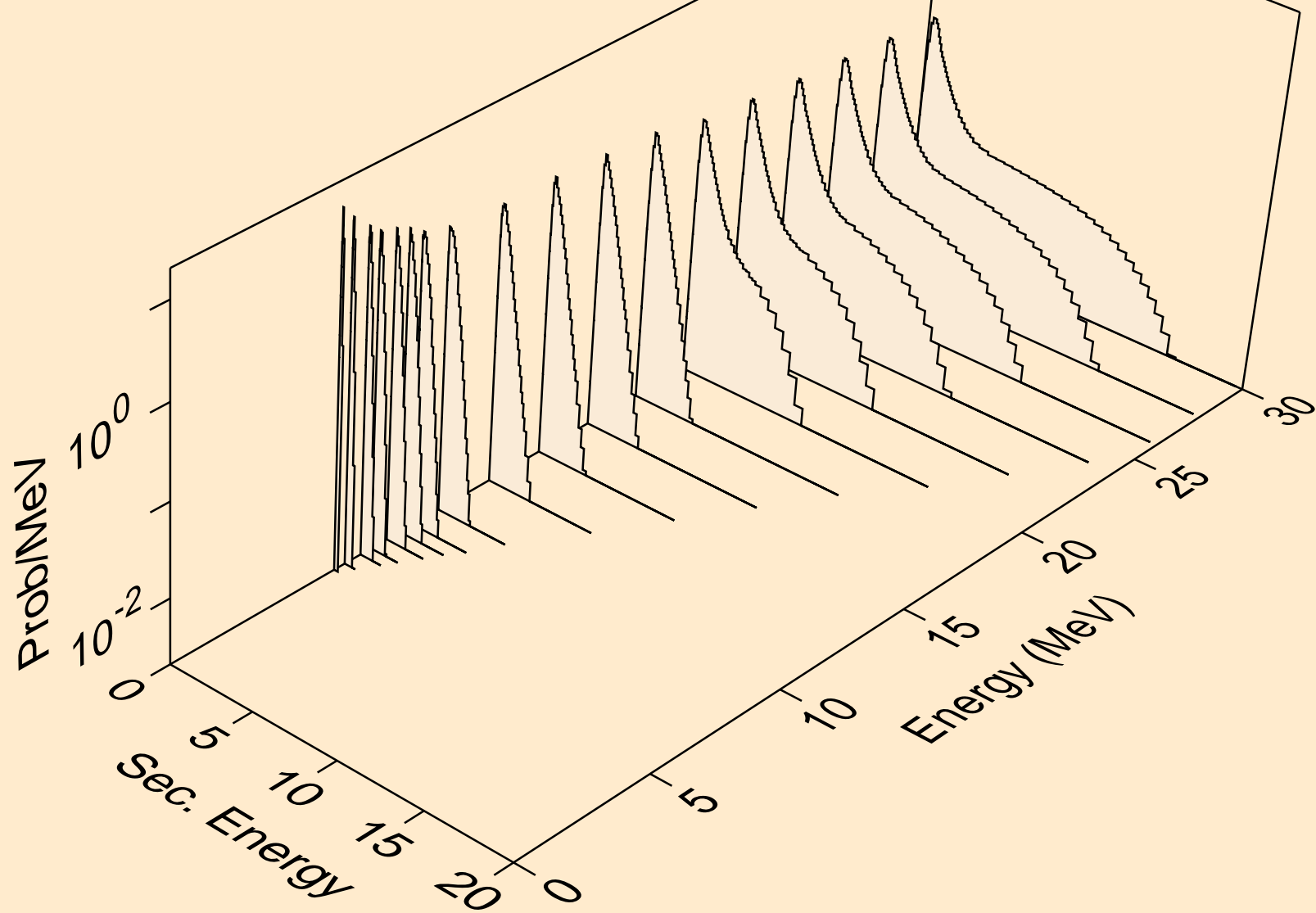


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

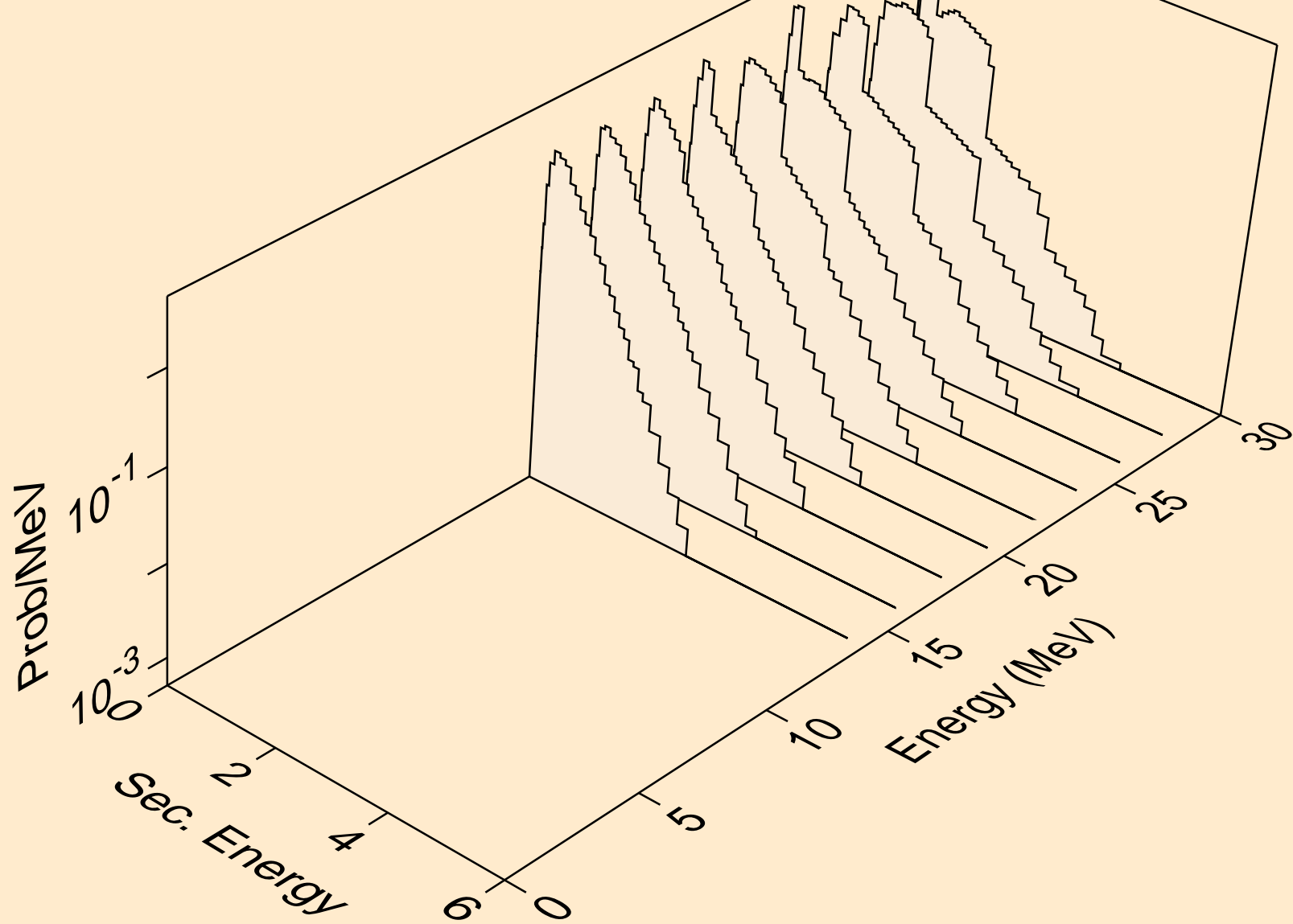




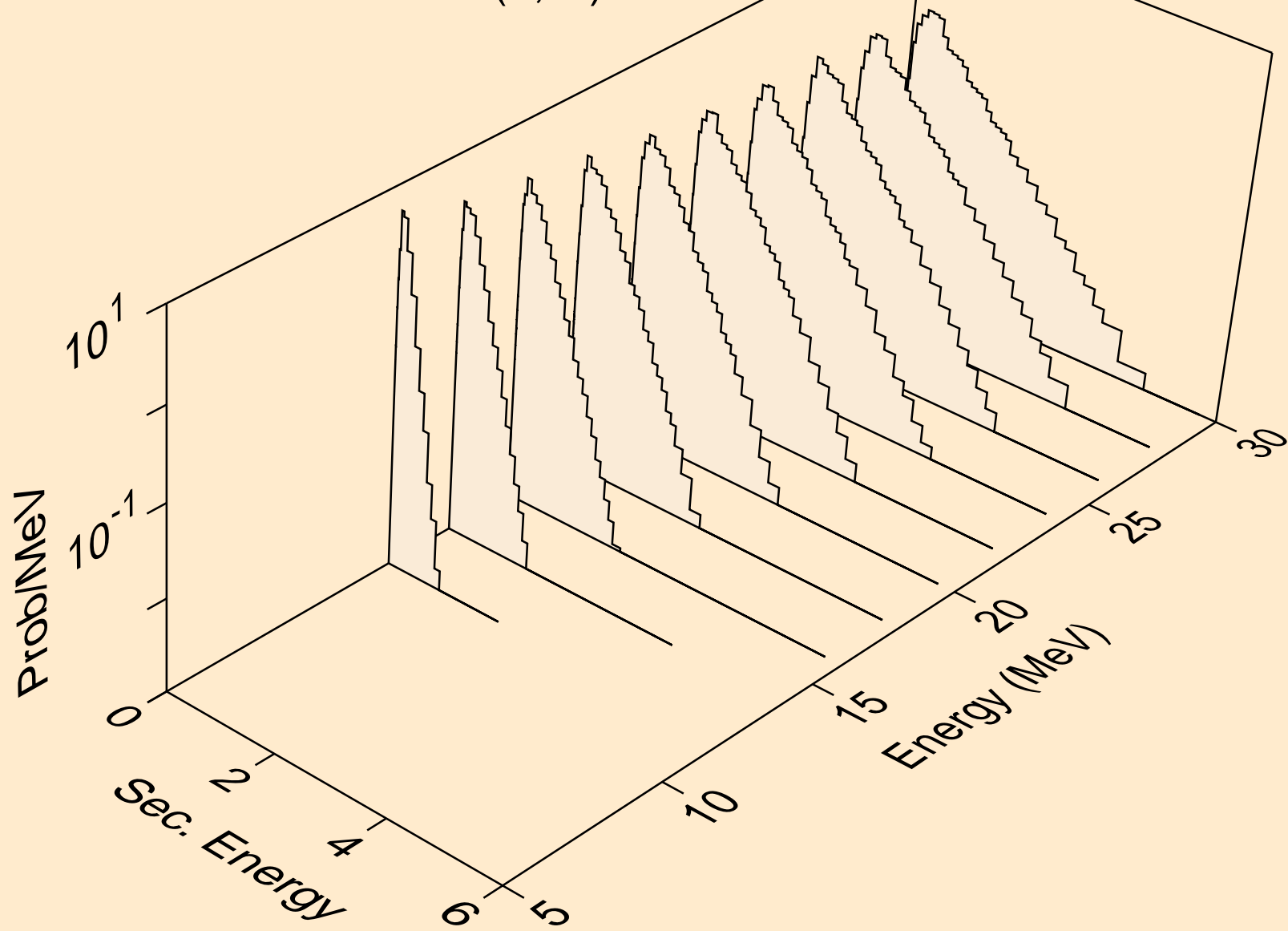
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



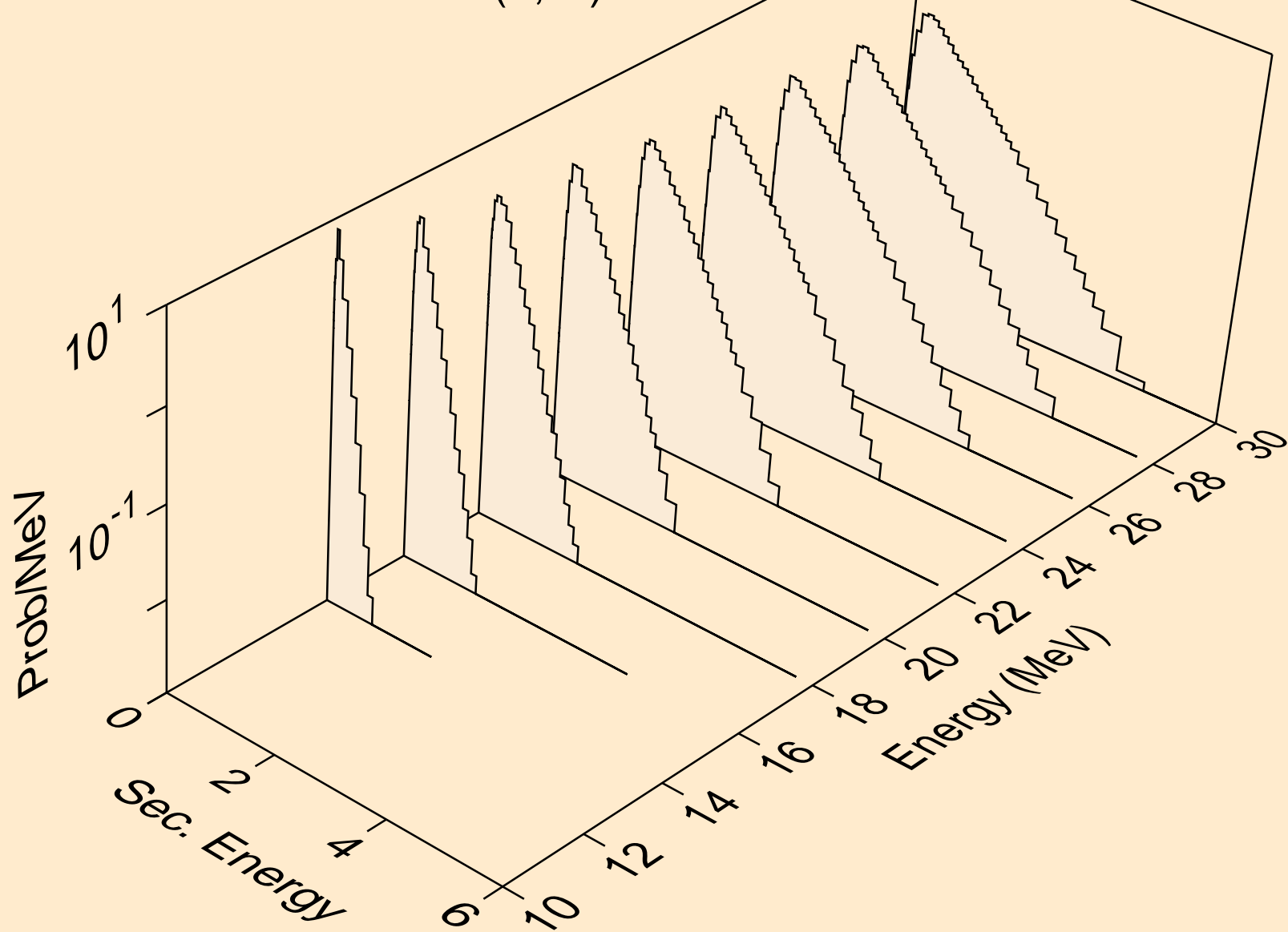
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Neutron emission for (n,n\*)2a



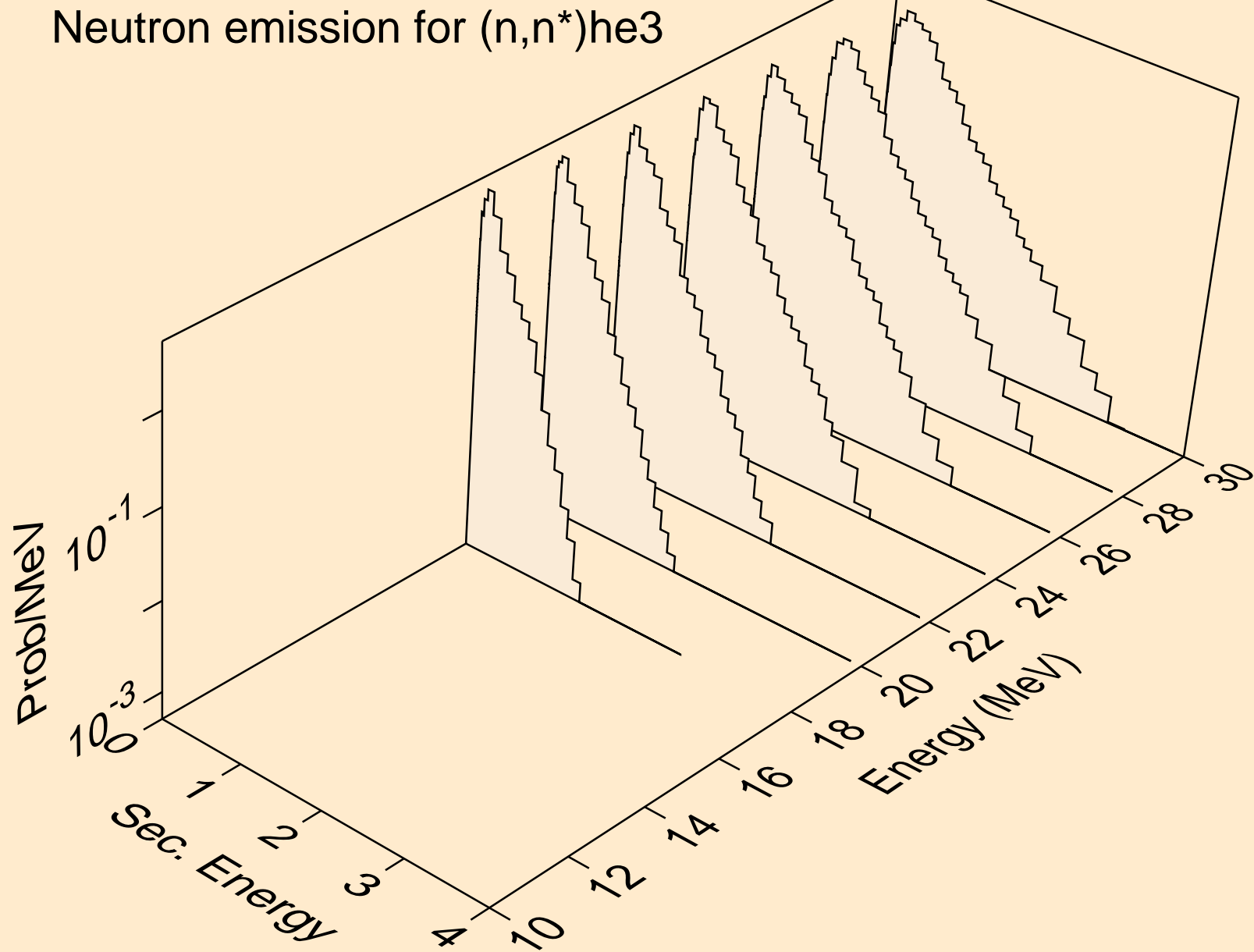
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Neutron emission for (n,n\*)d



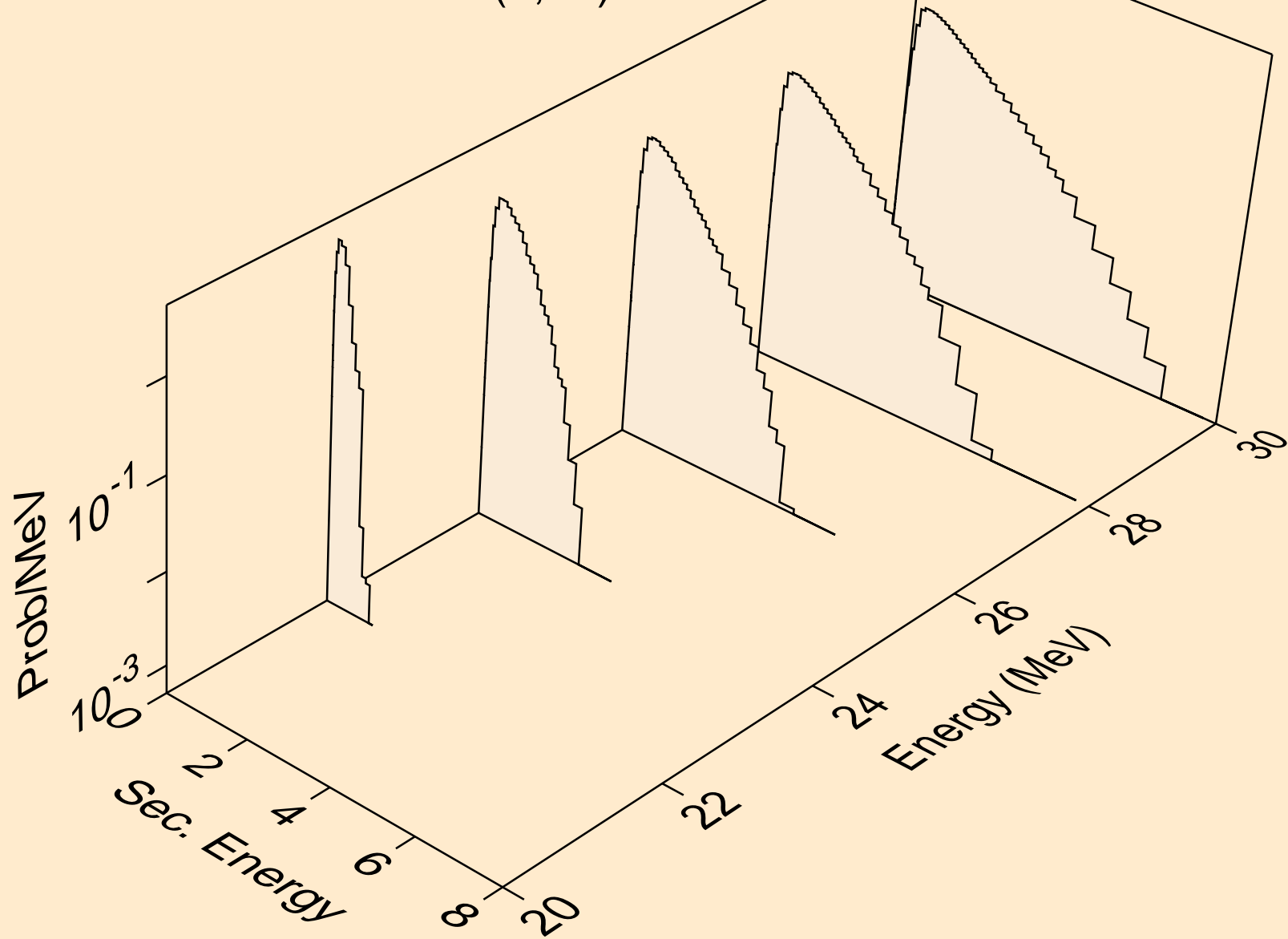
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Neutron emission for (n,n\*)t



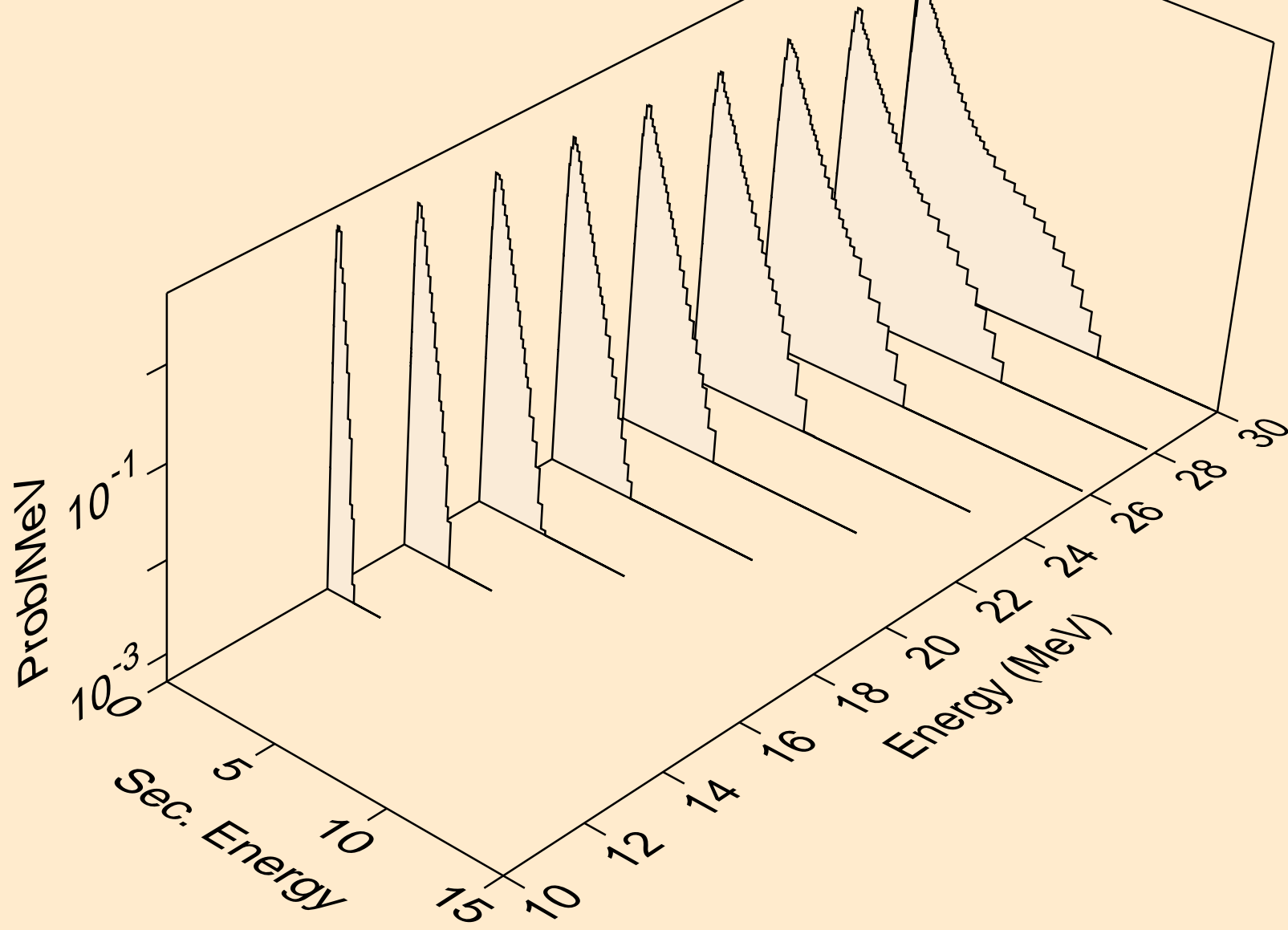
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Neutron emission for (n,n\*)he3



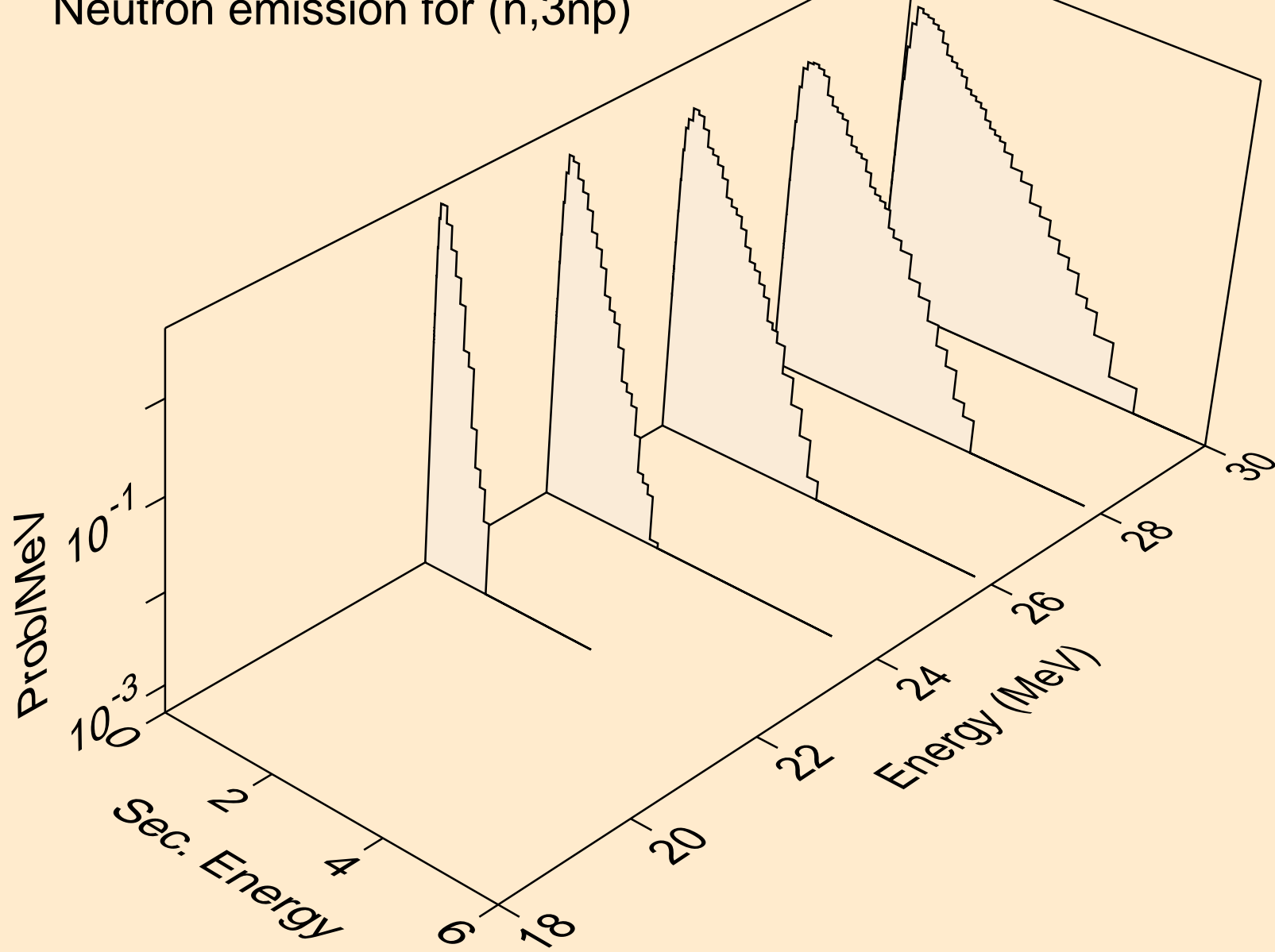
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

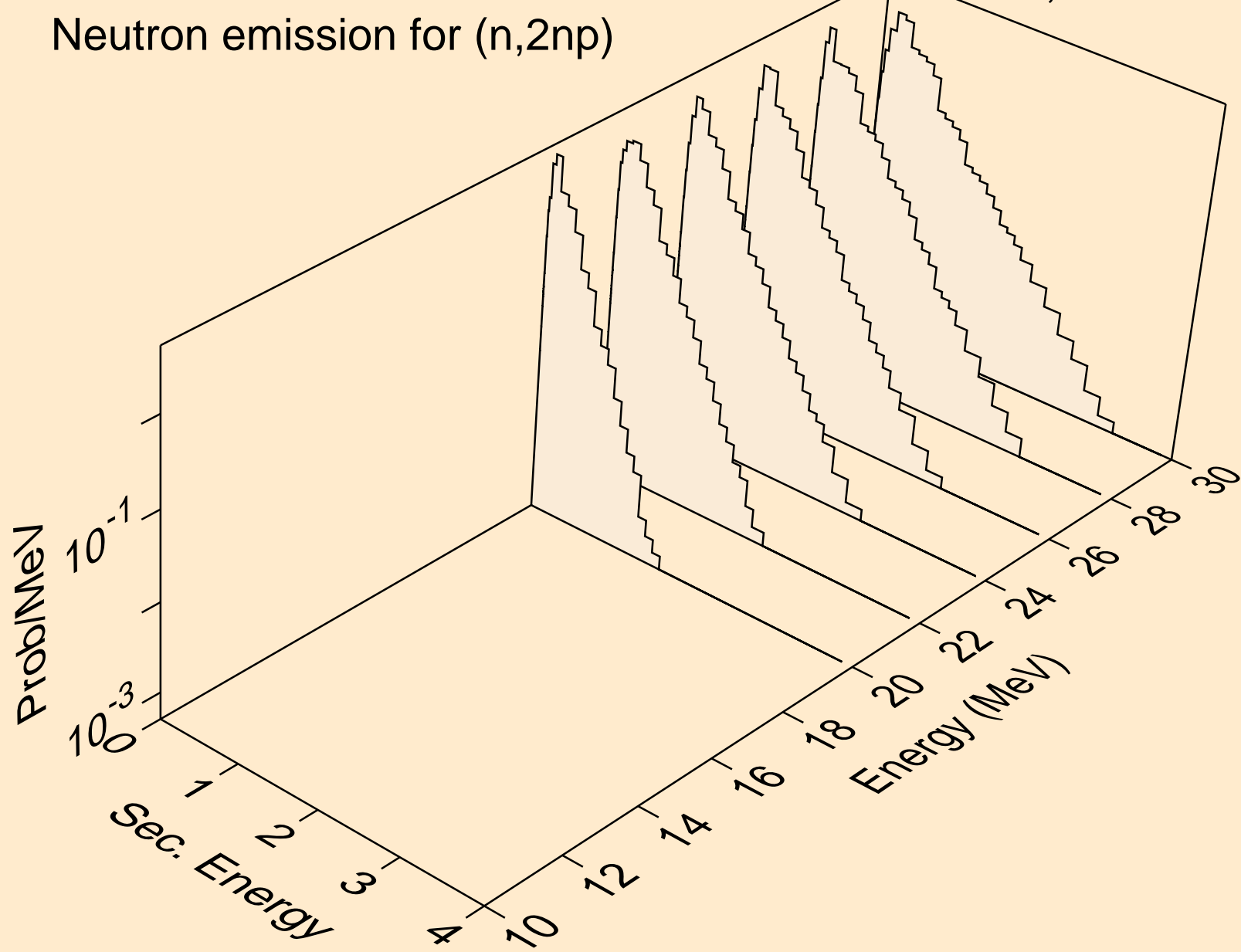


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Neutron emission for (n,3np)

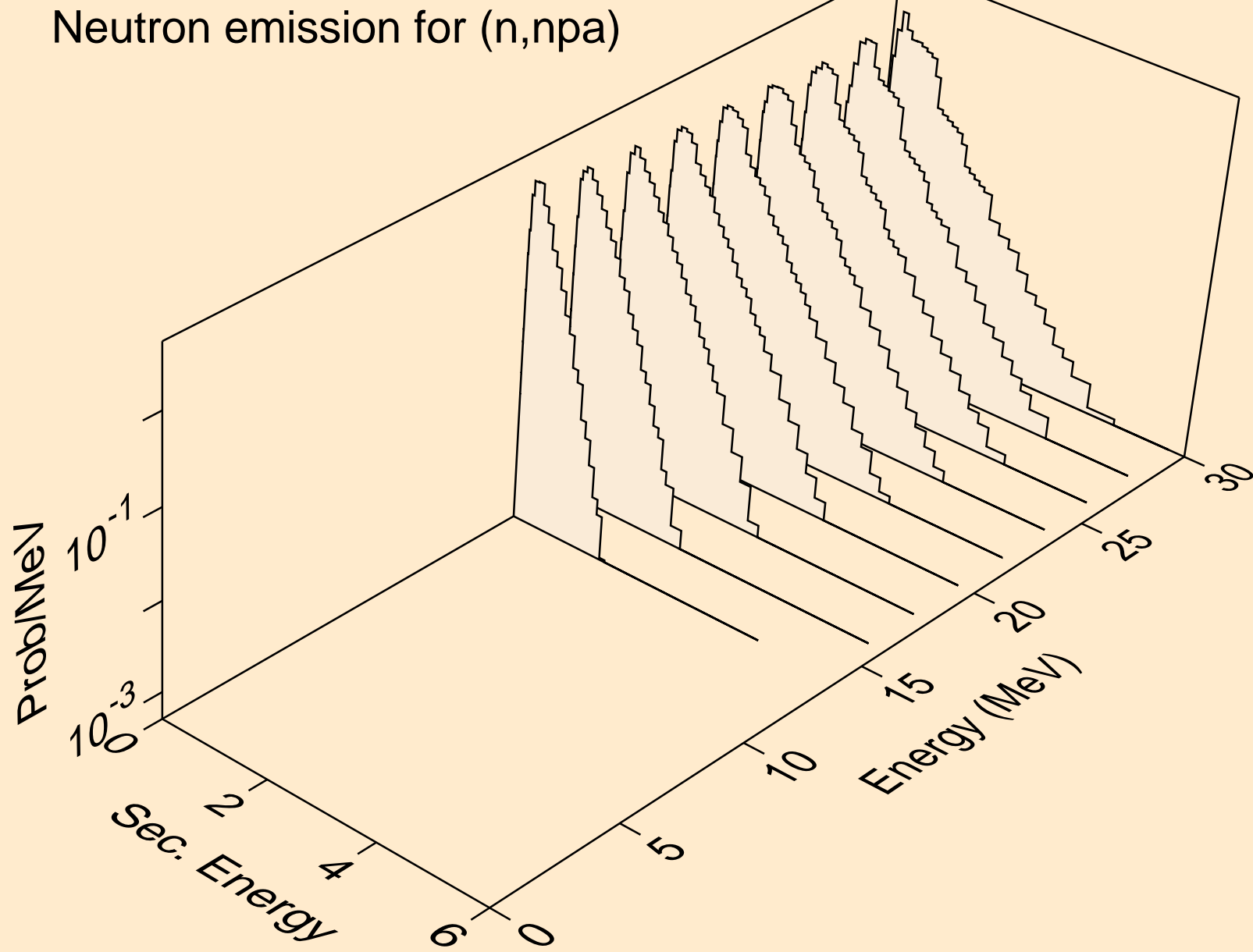




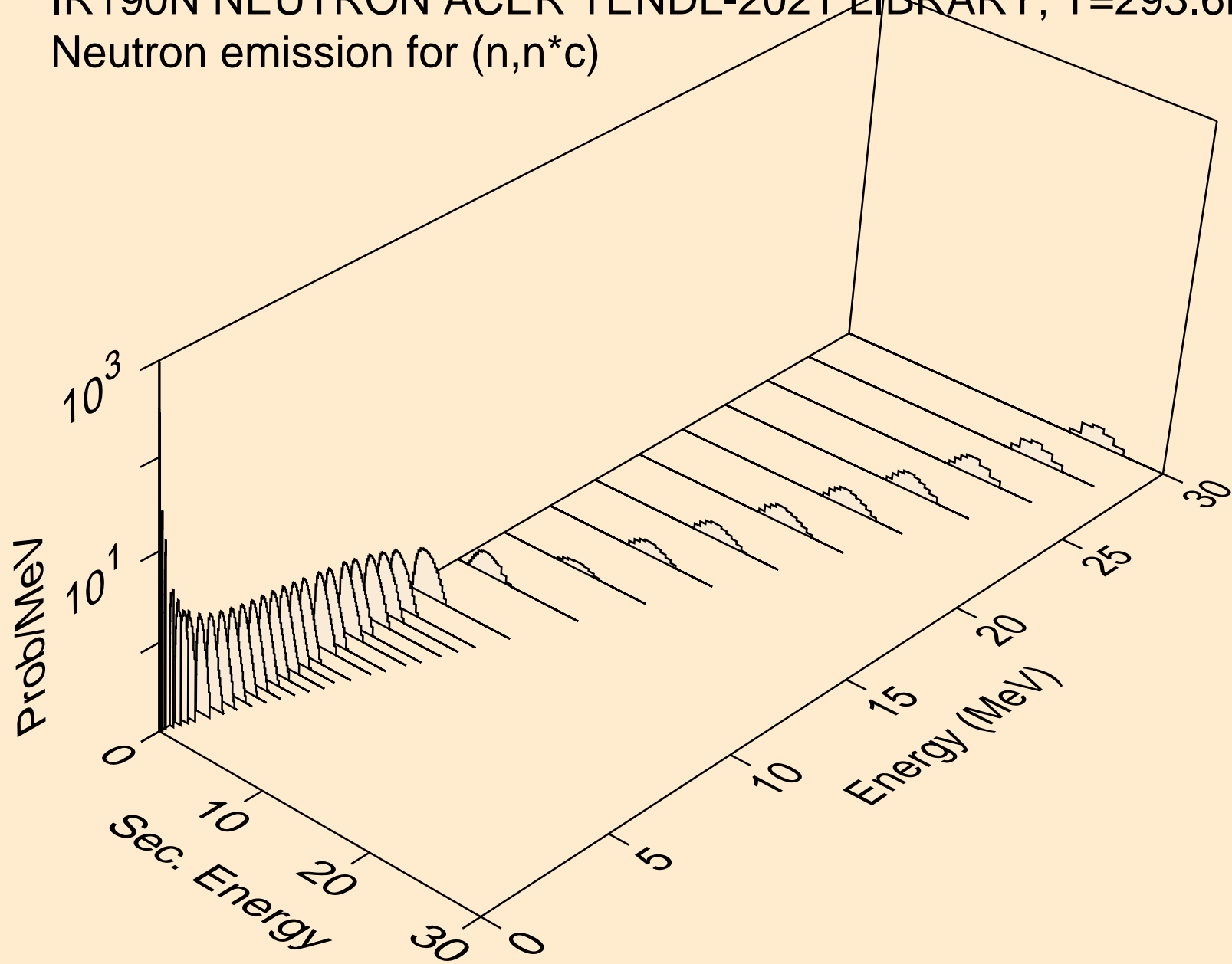
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Neutron emission for (n,2np)



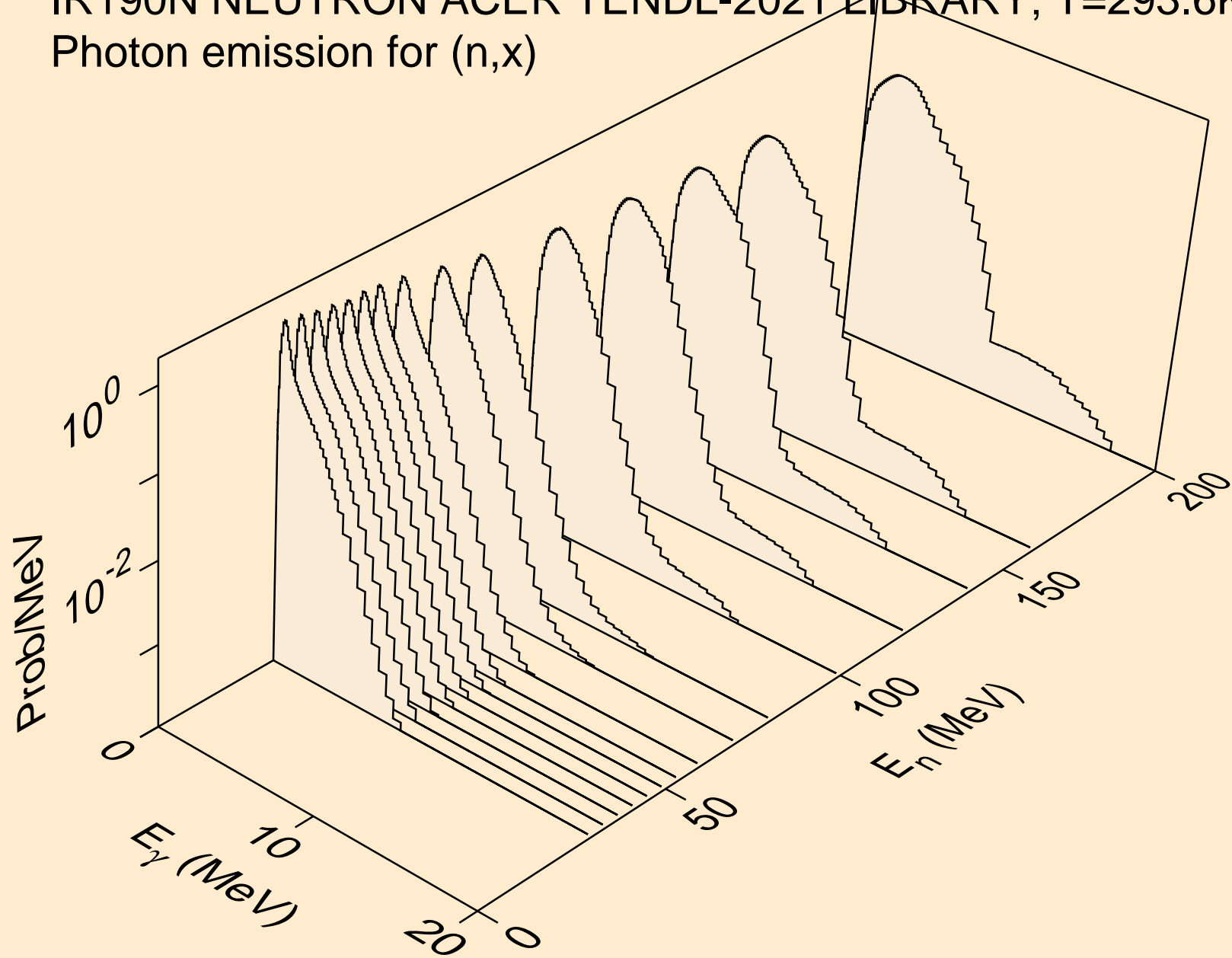
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



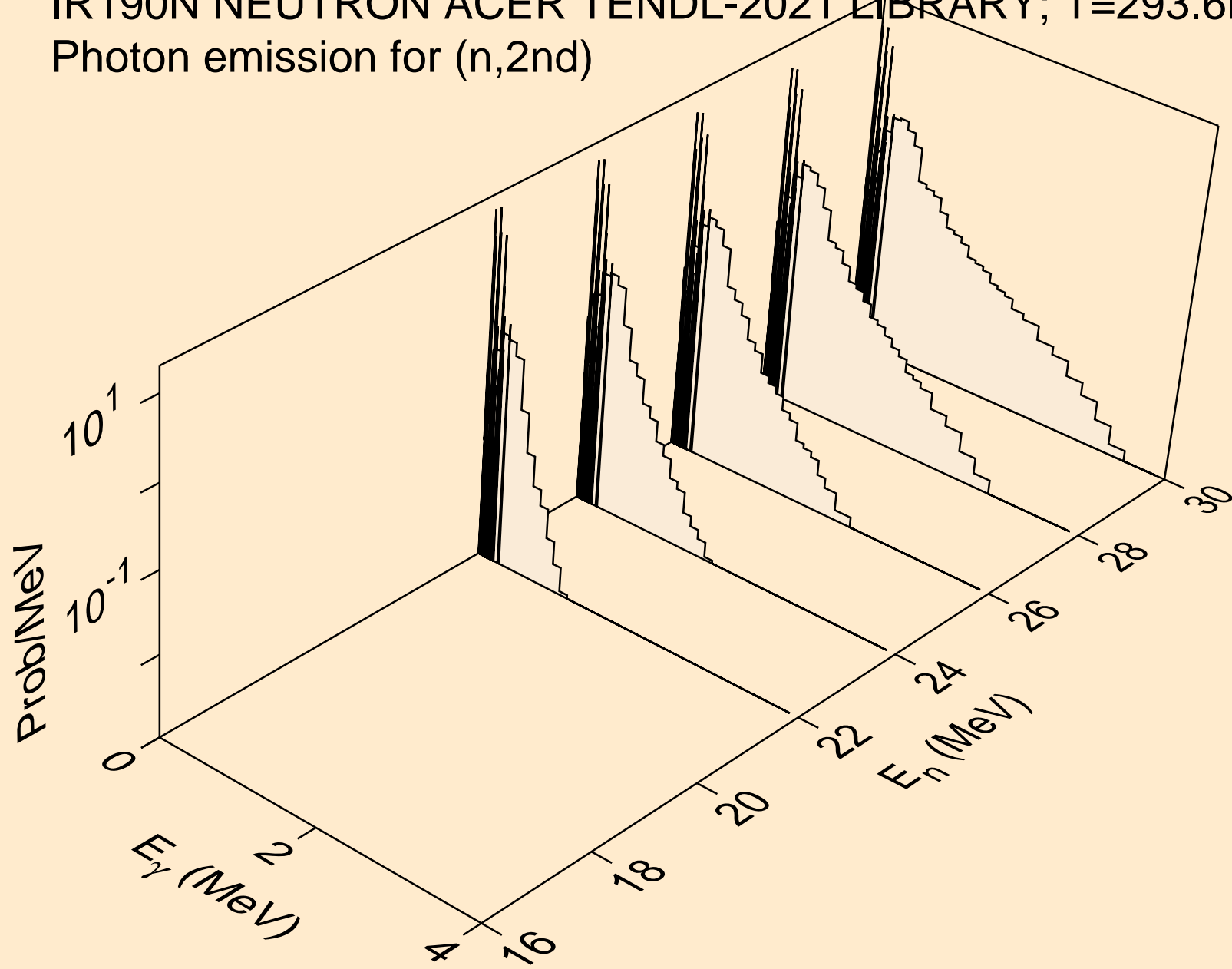
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



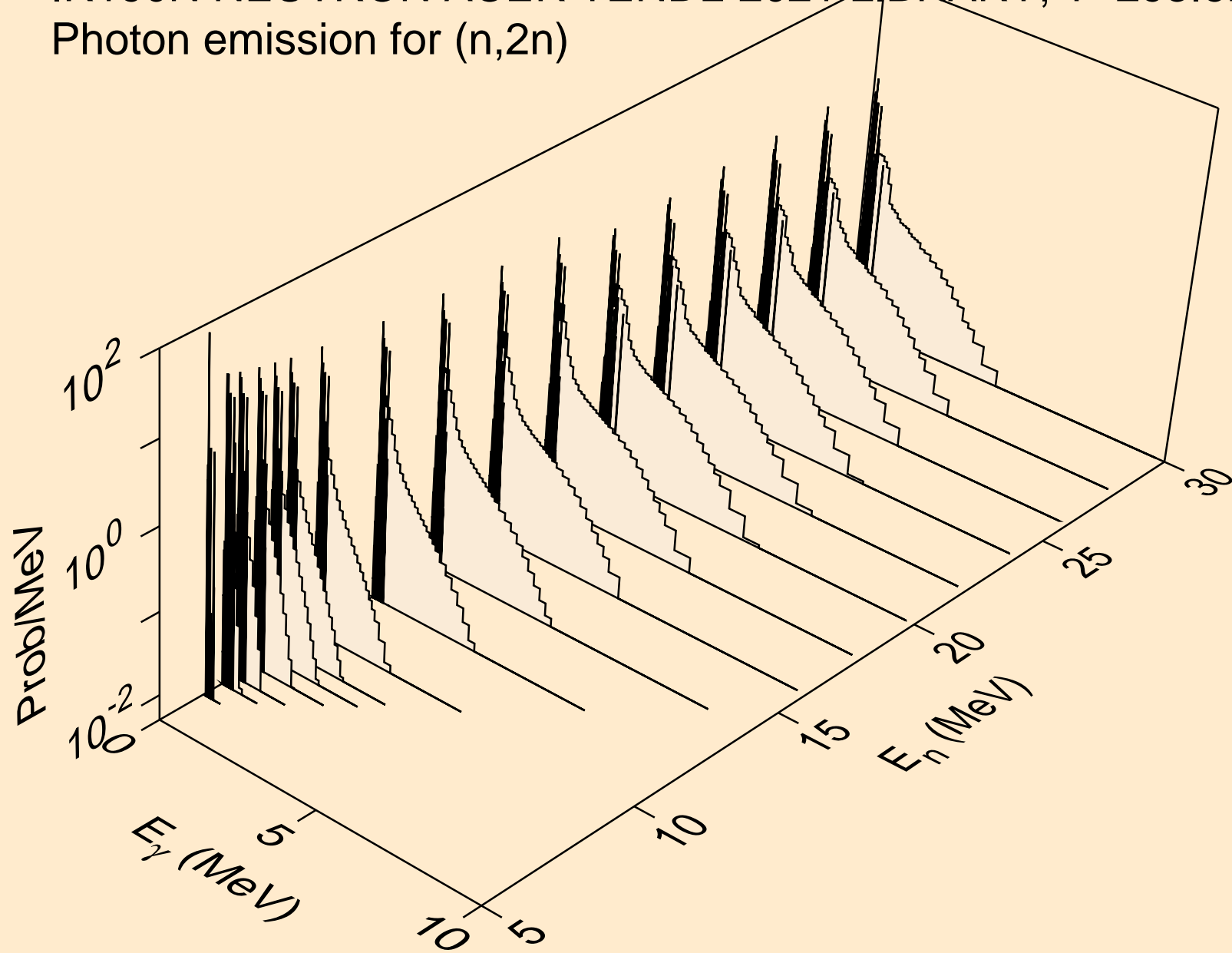
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



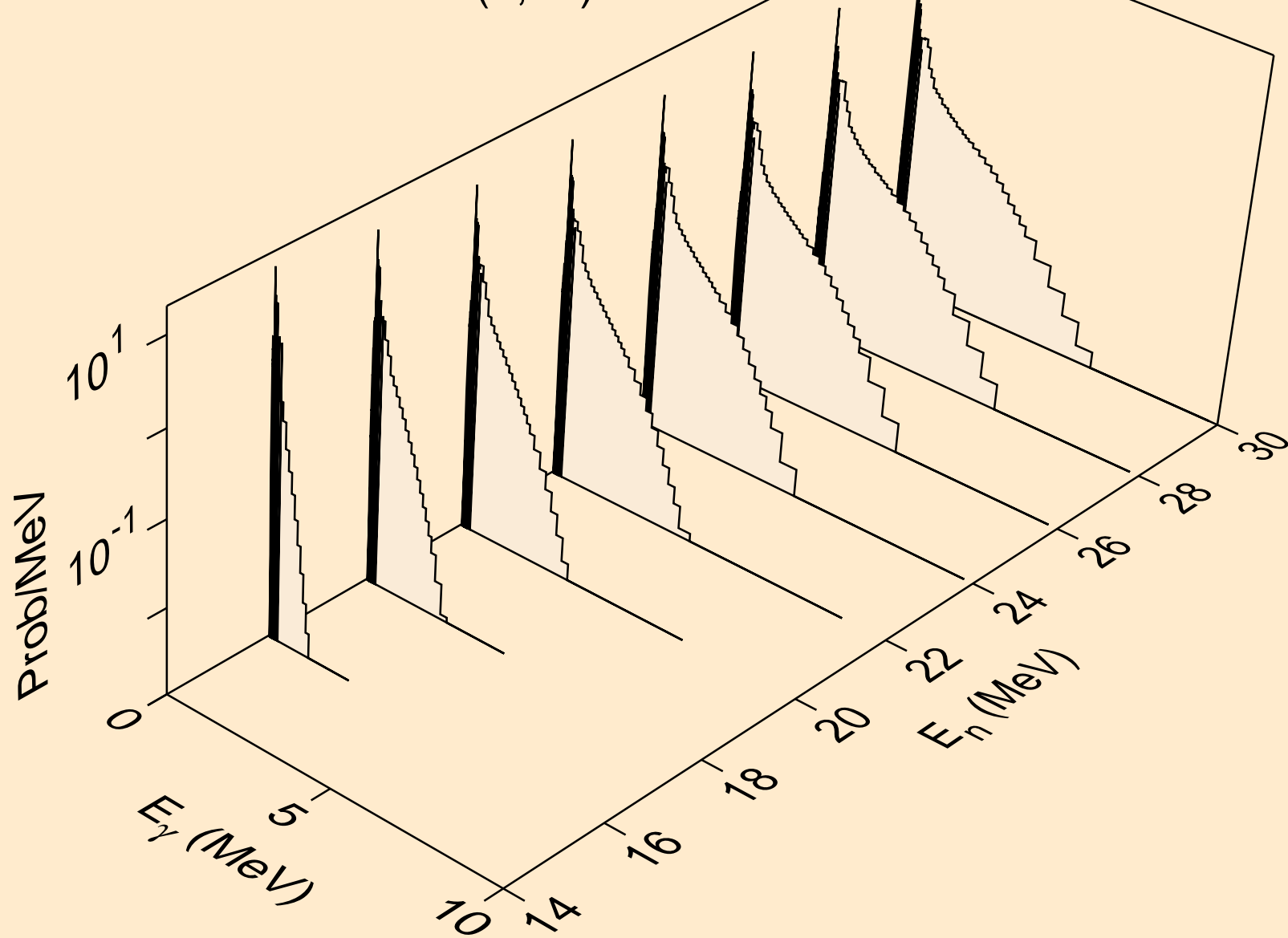
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



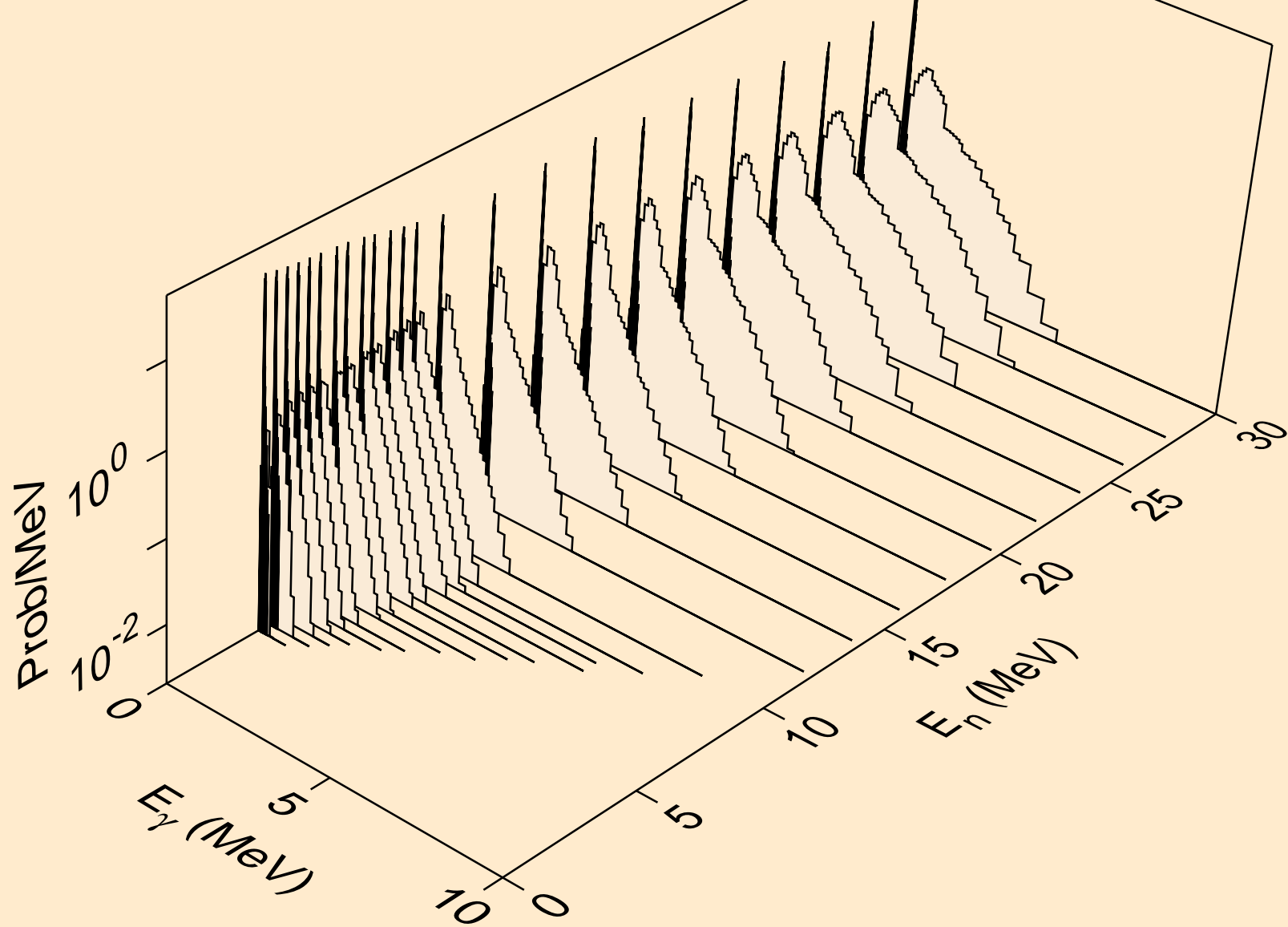
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

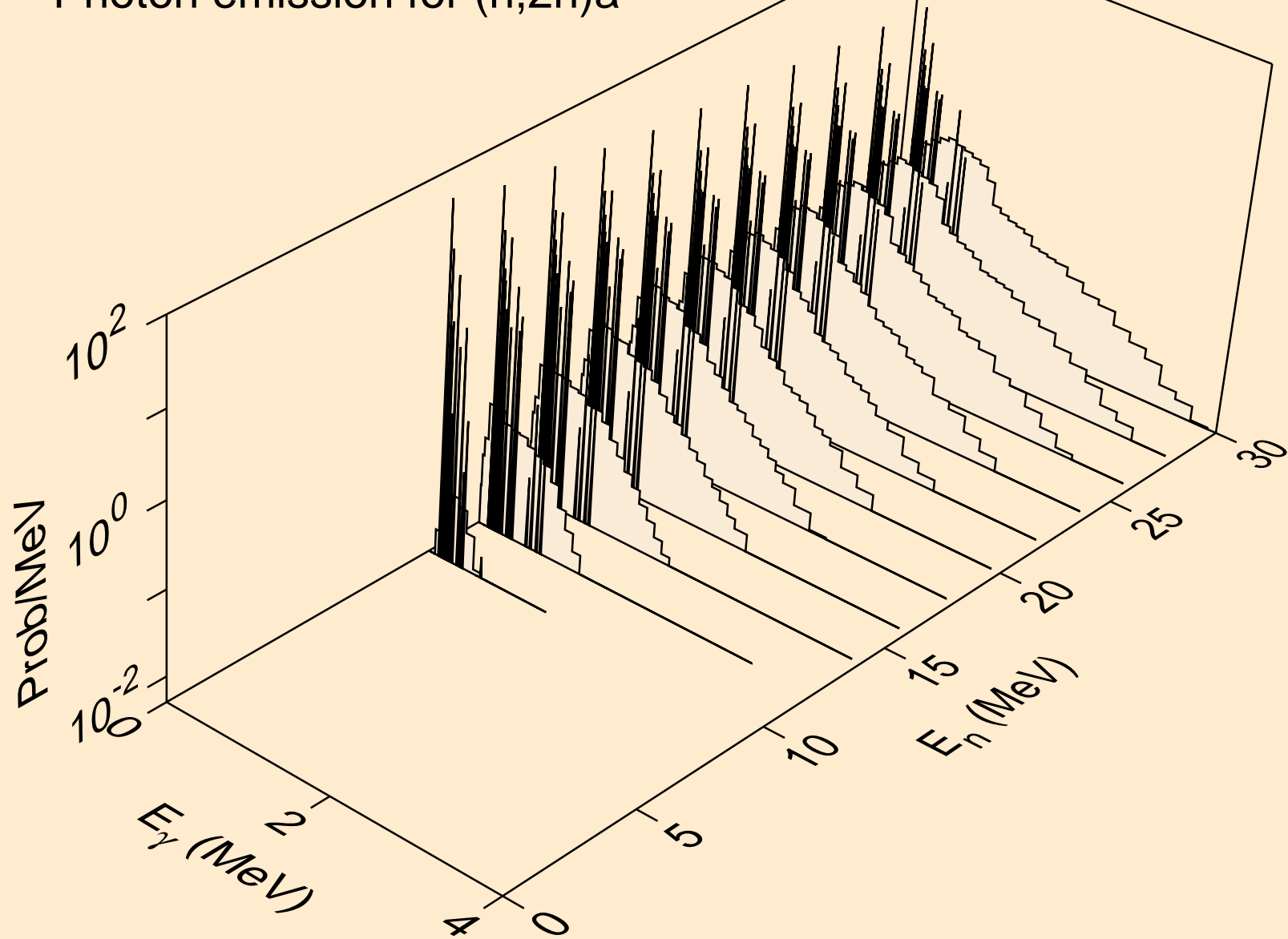


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

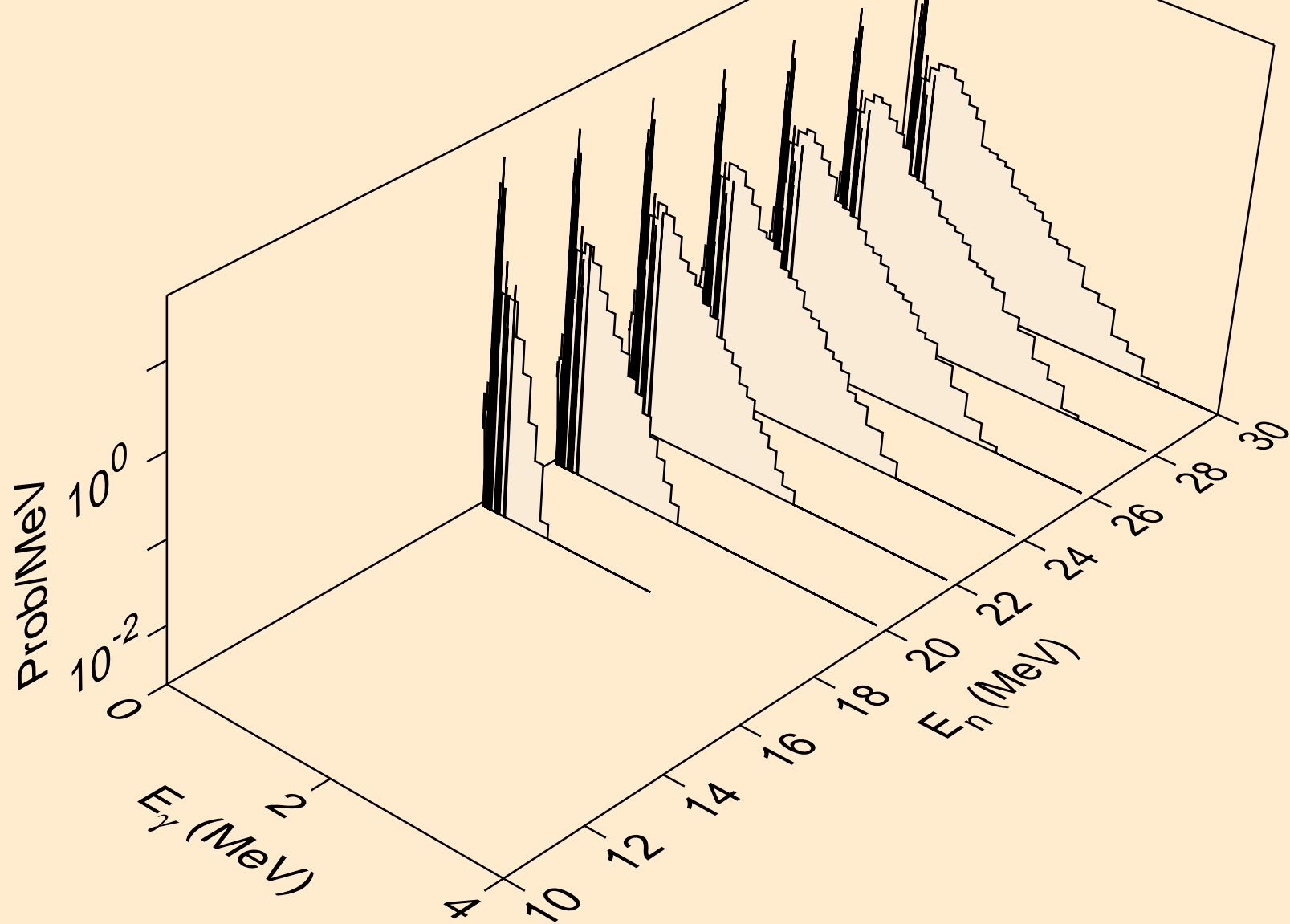




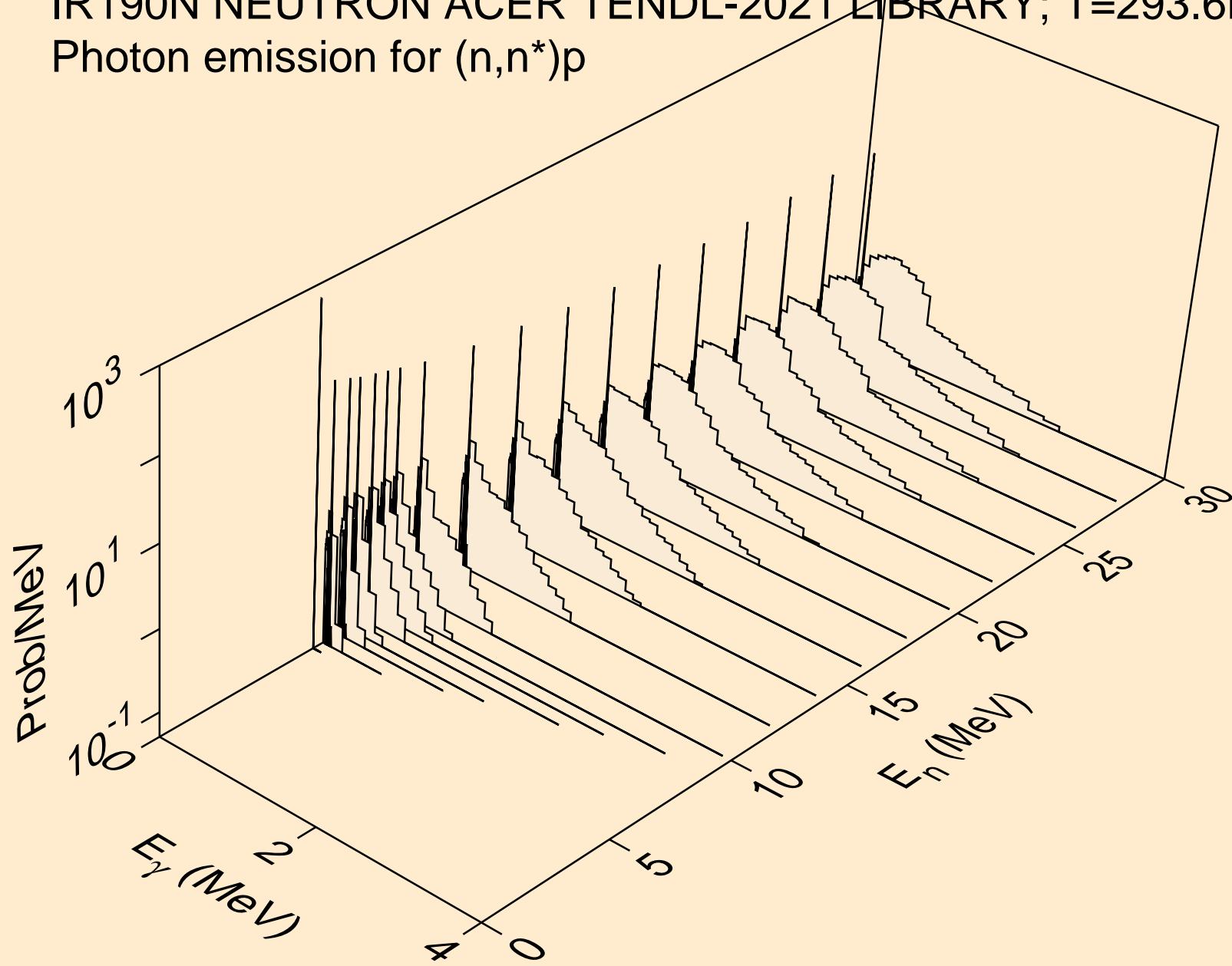
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Photon emission for (n,2n)a



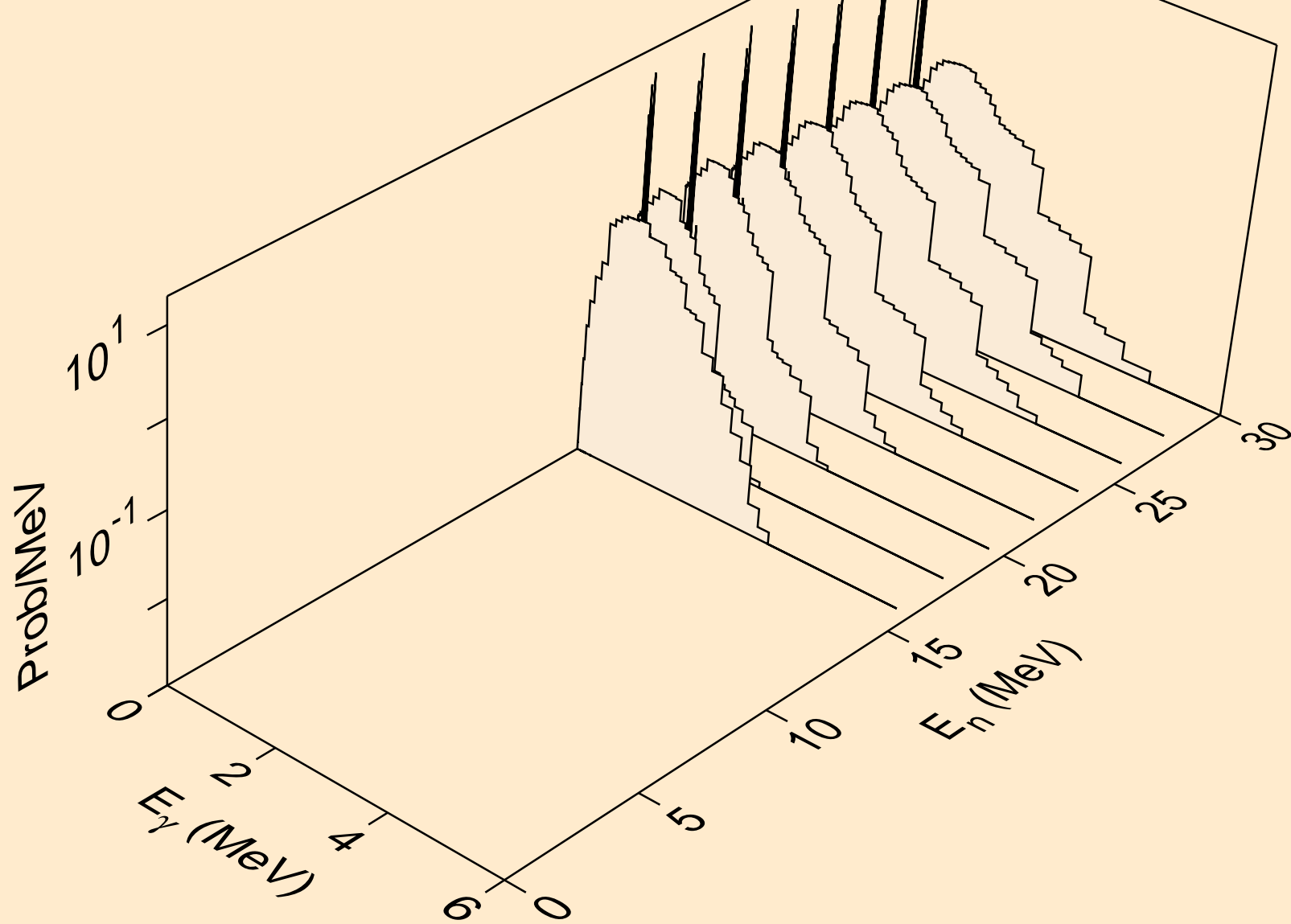
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Photon emission for (n,3n)a



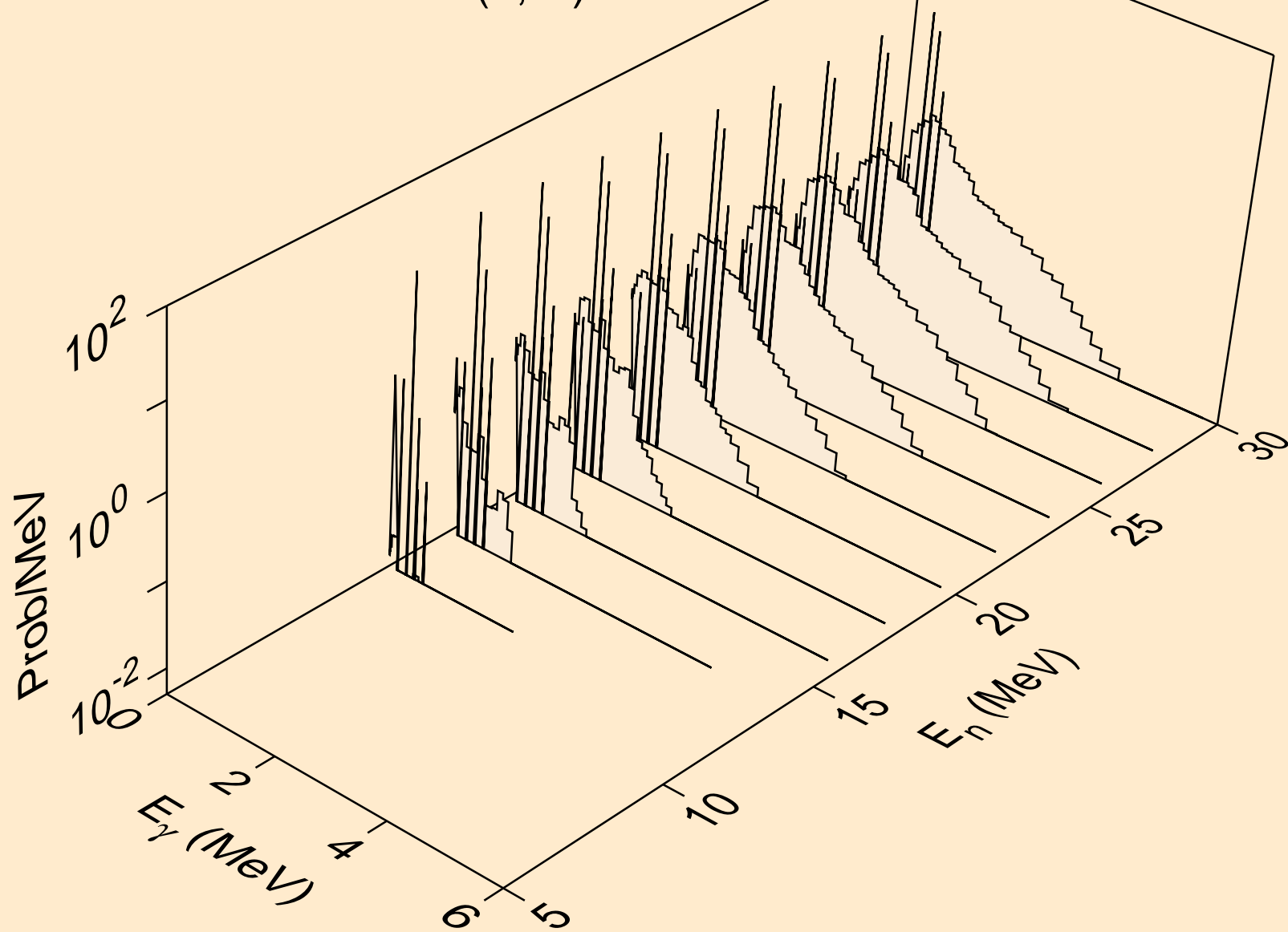
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Photon emission for (n,n\*)p



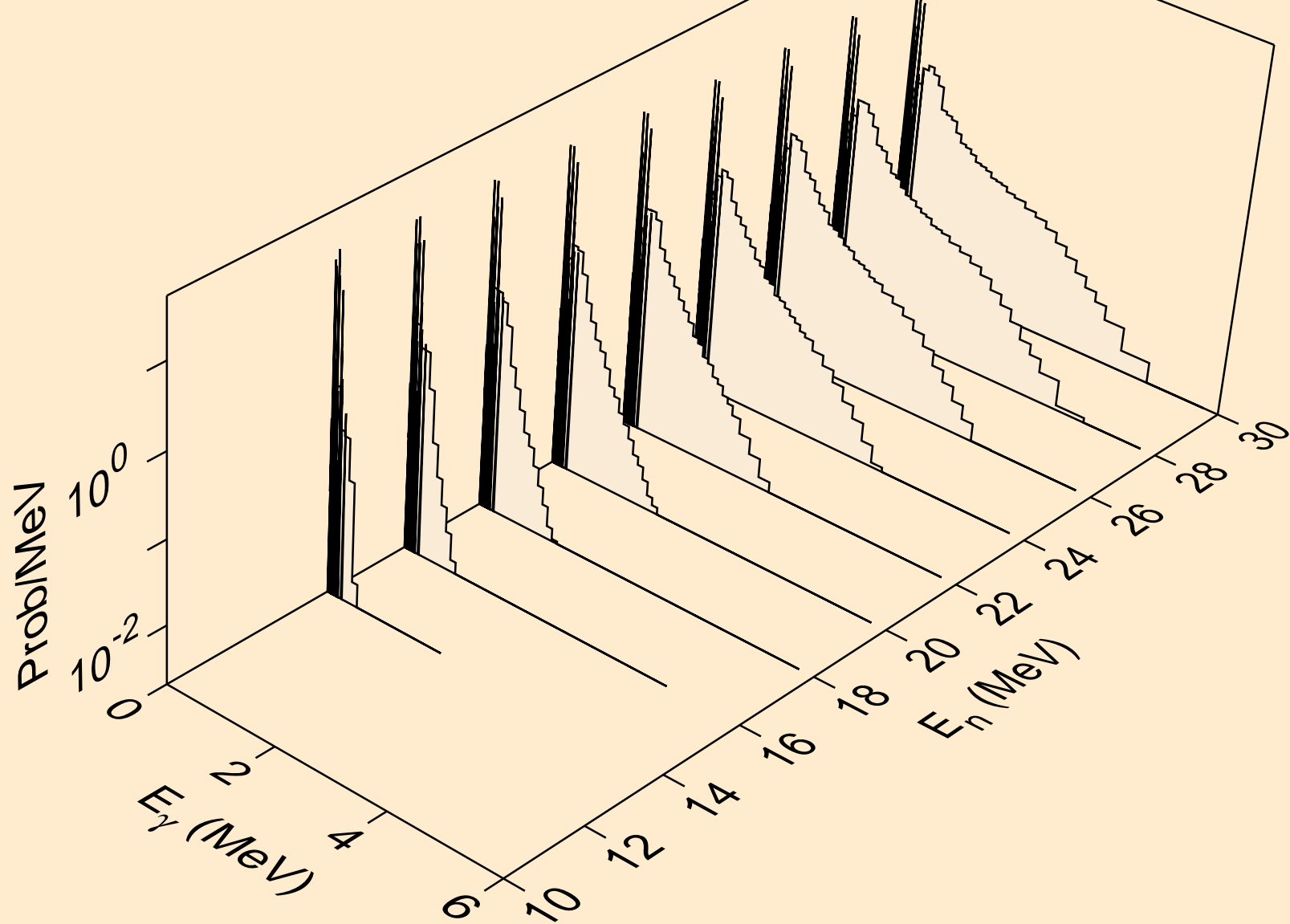
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Photon emission for (n,n\*)2a



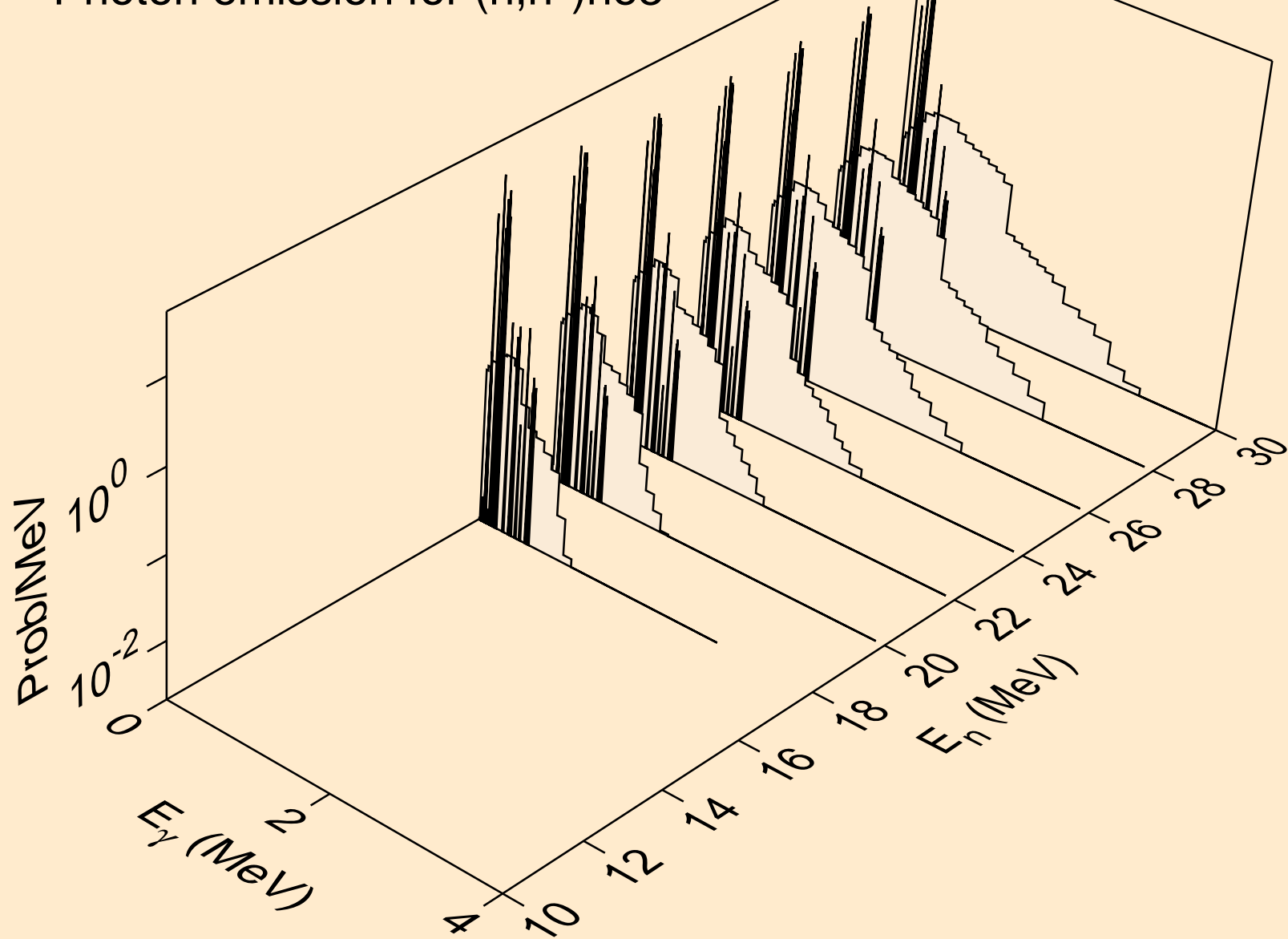
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Photon emission for (n,n\*)d



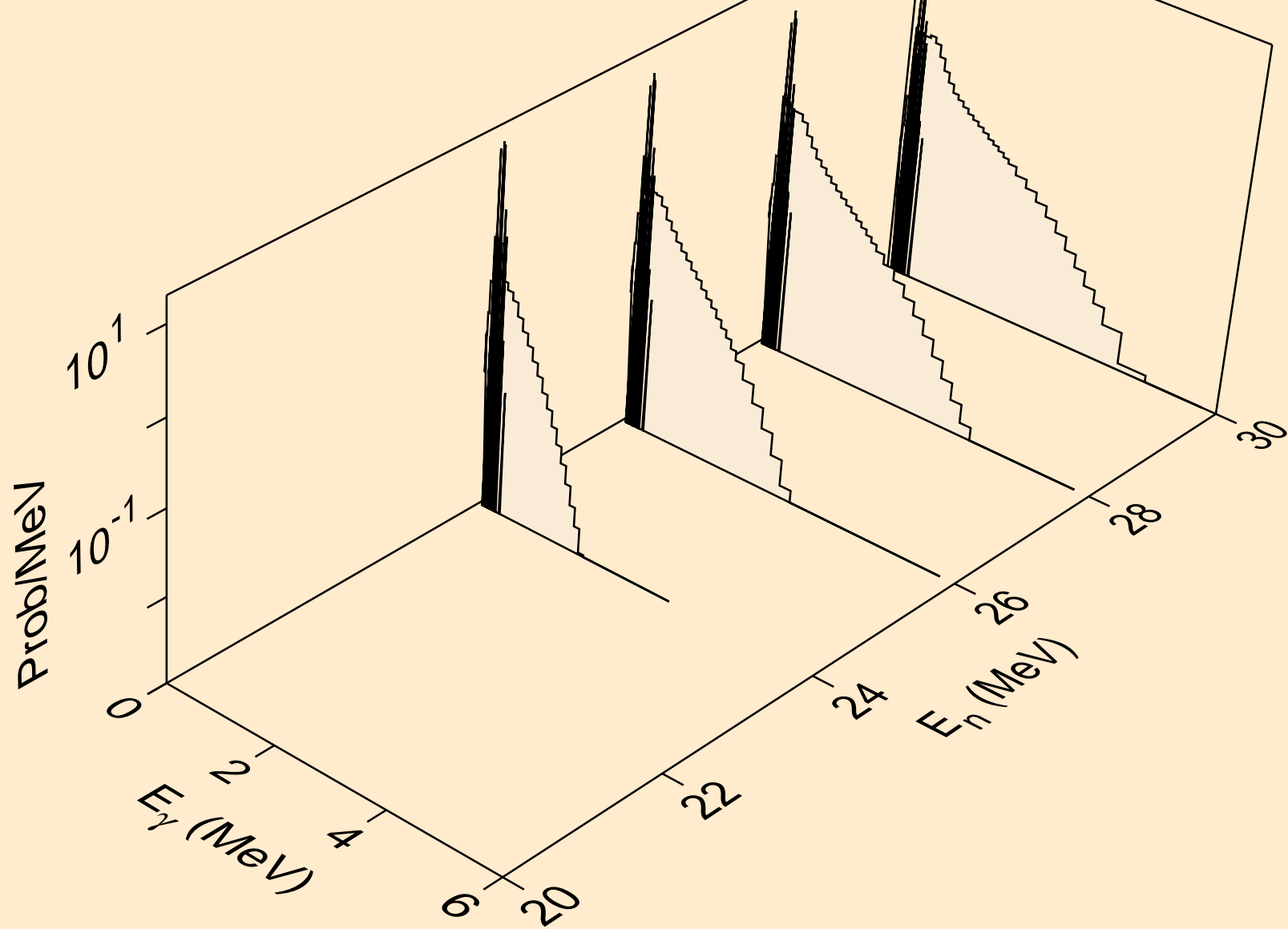
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

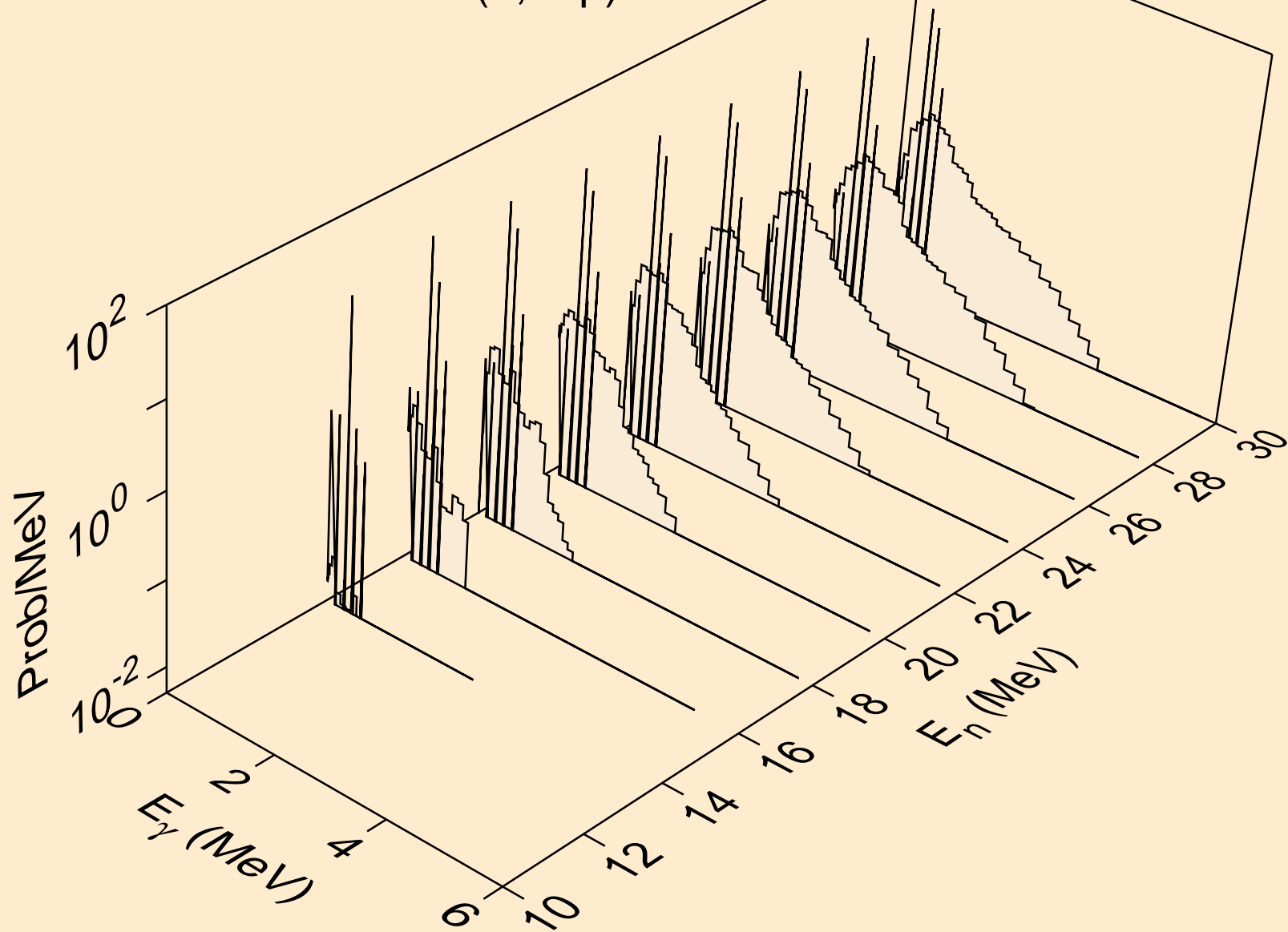


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)

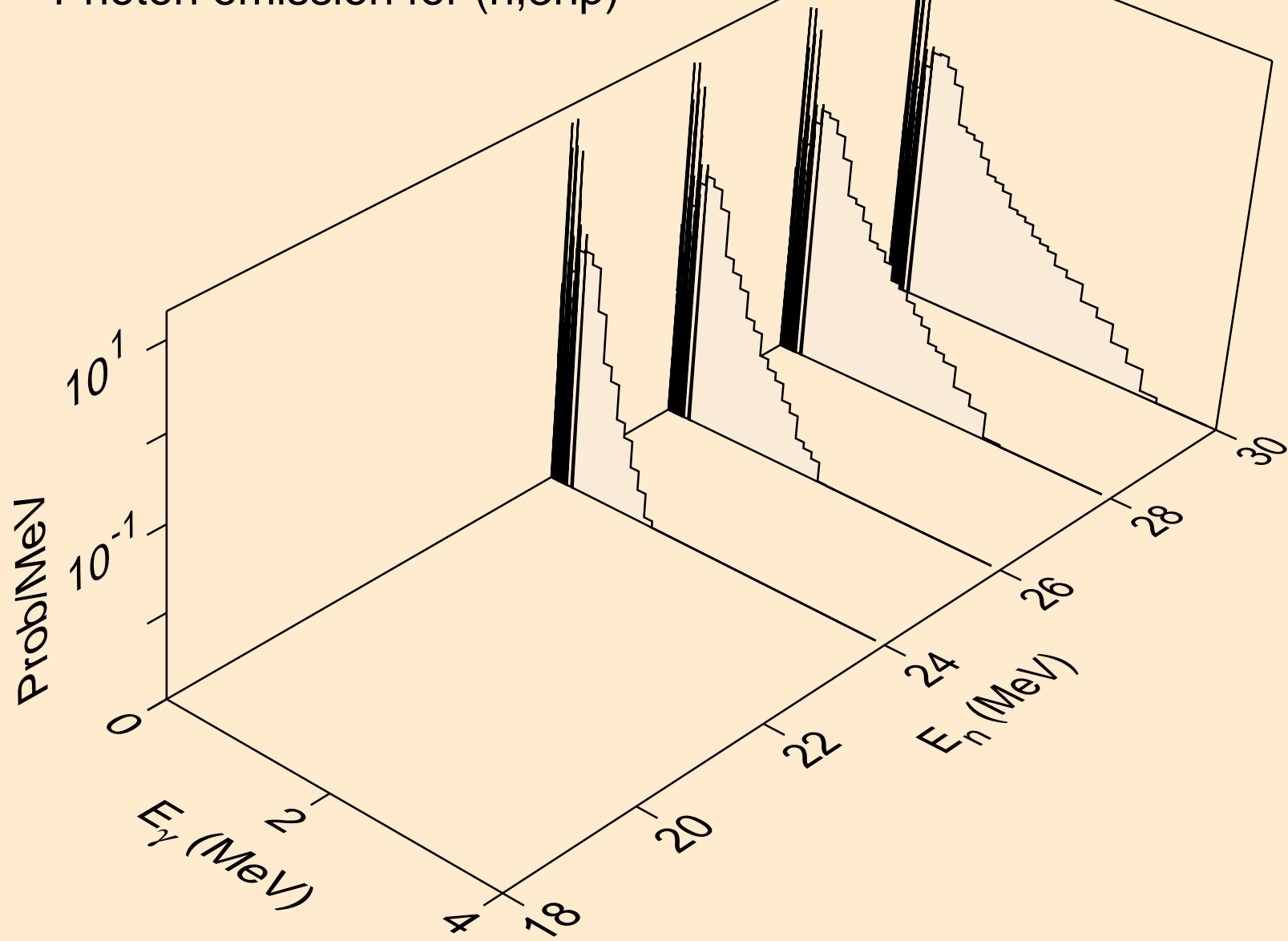




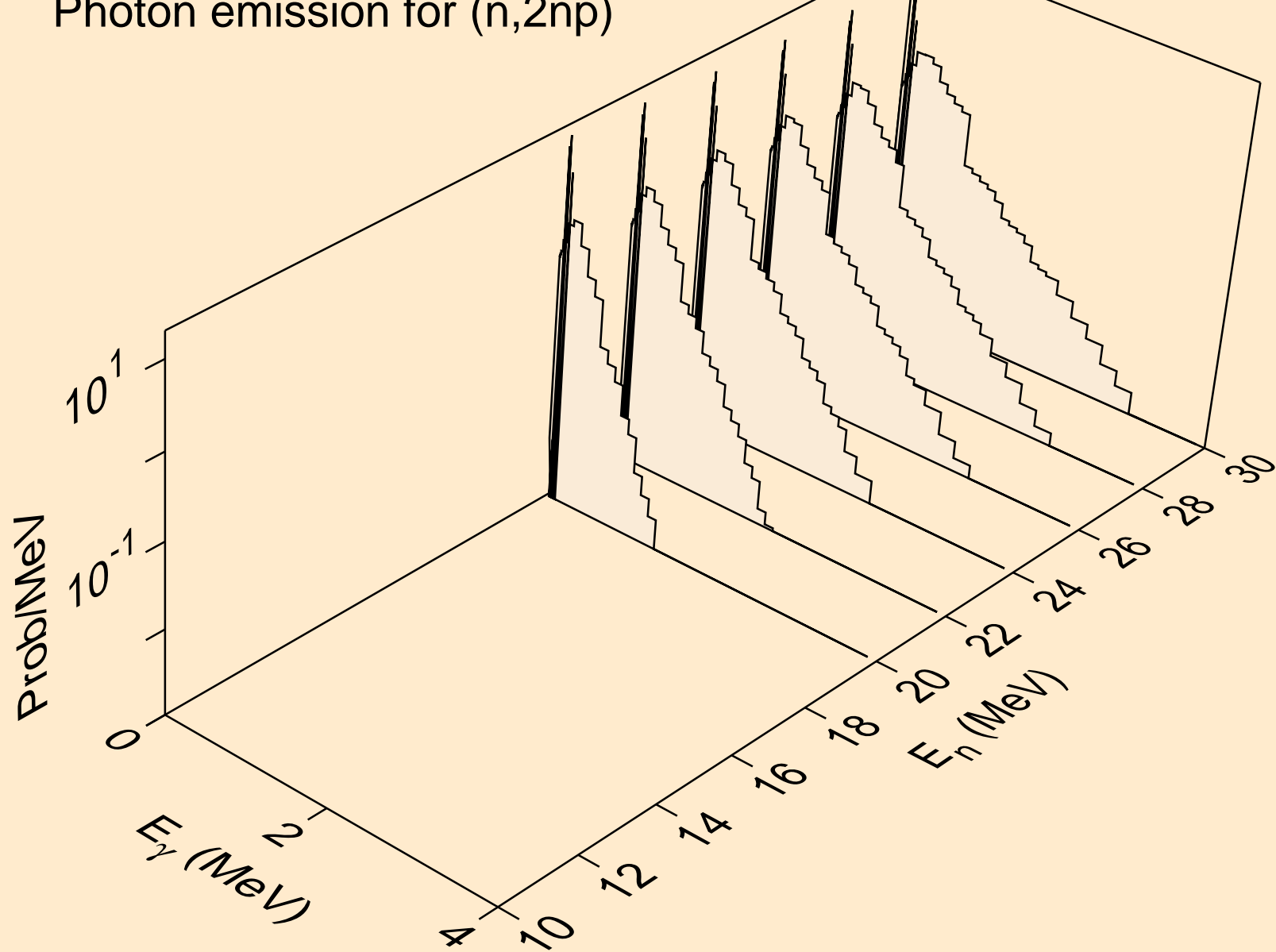
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



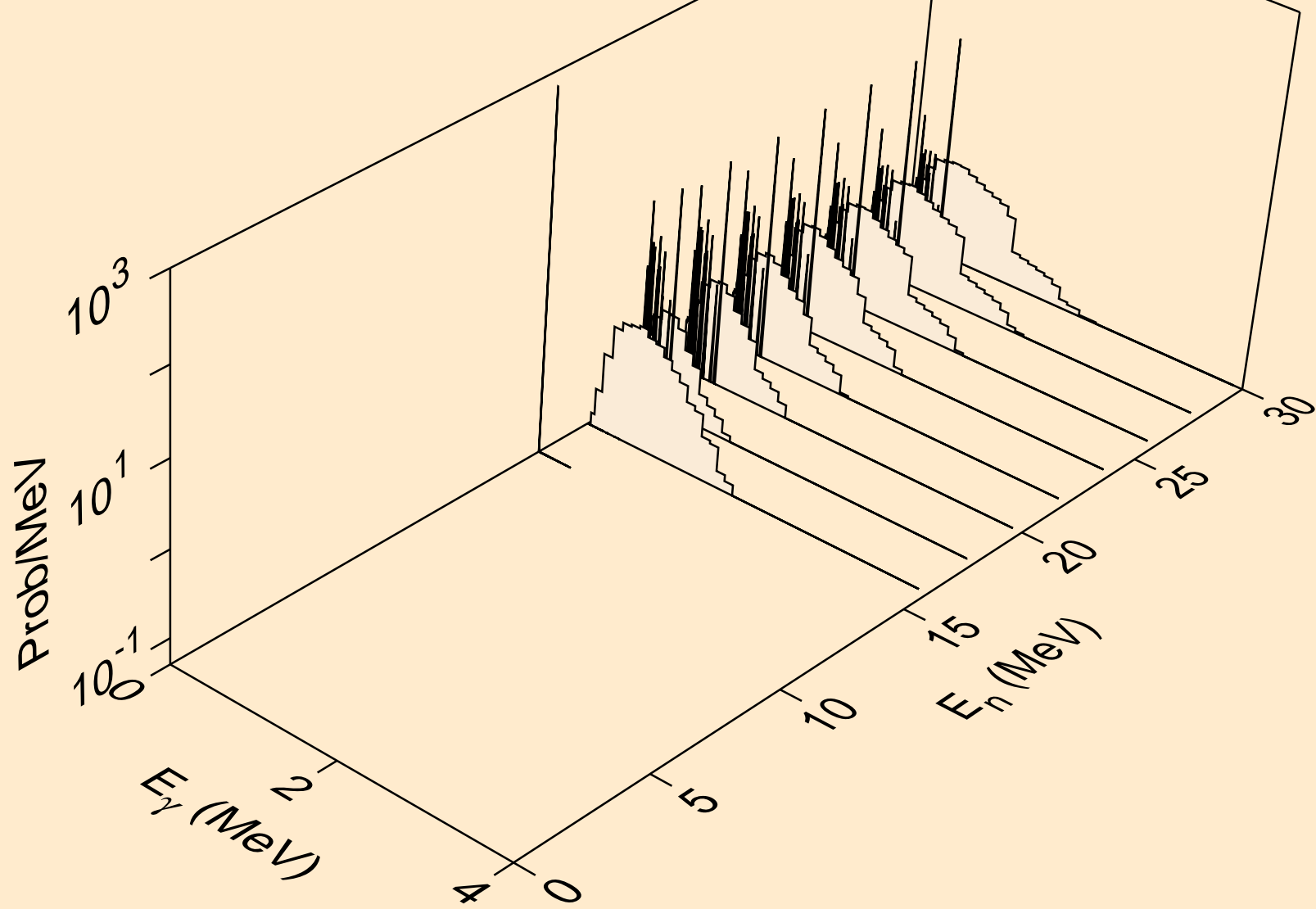
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



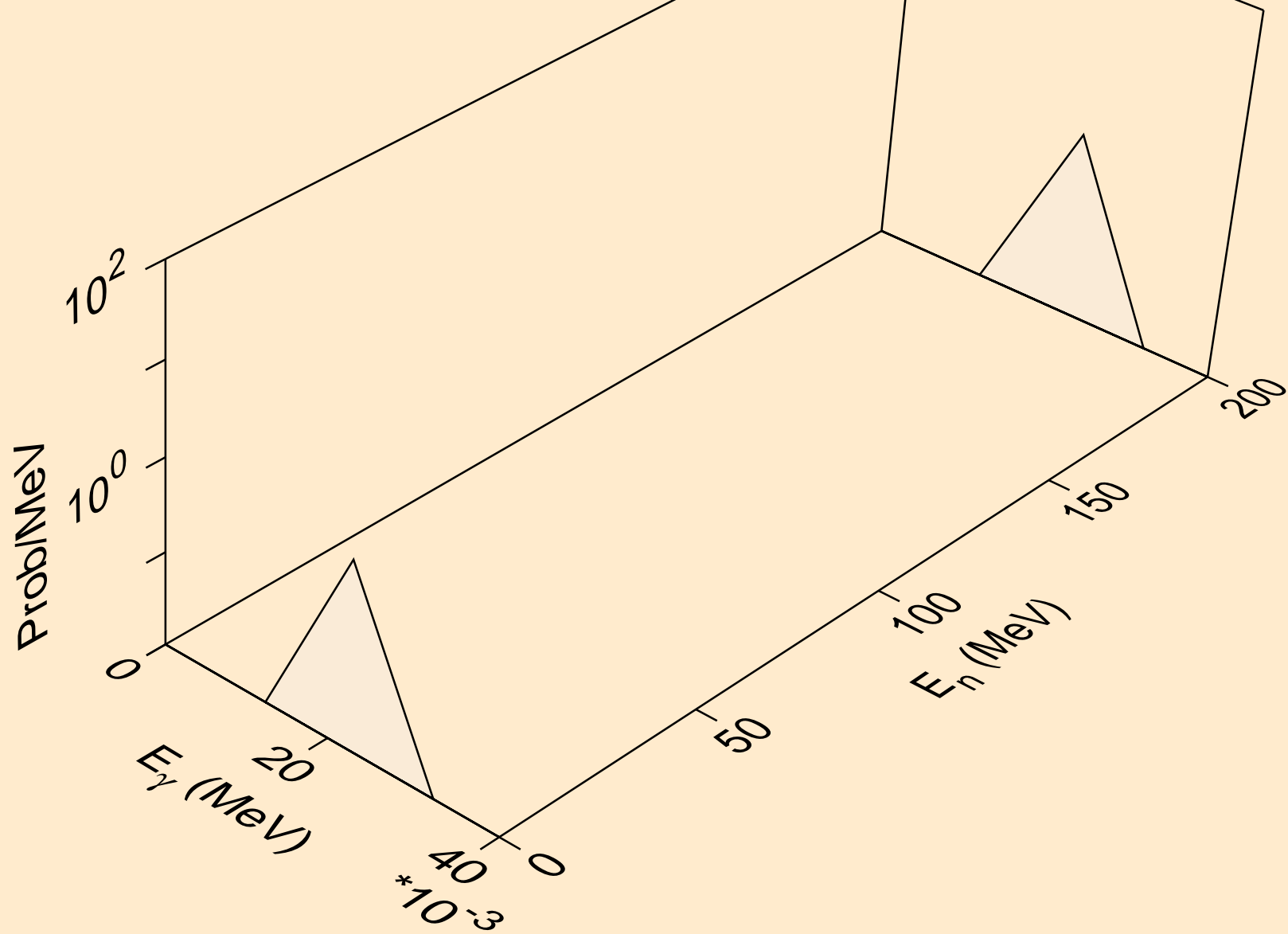
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Photon emission for (n,2np)



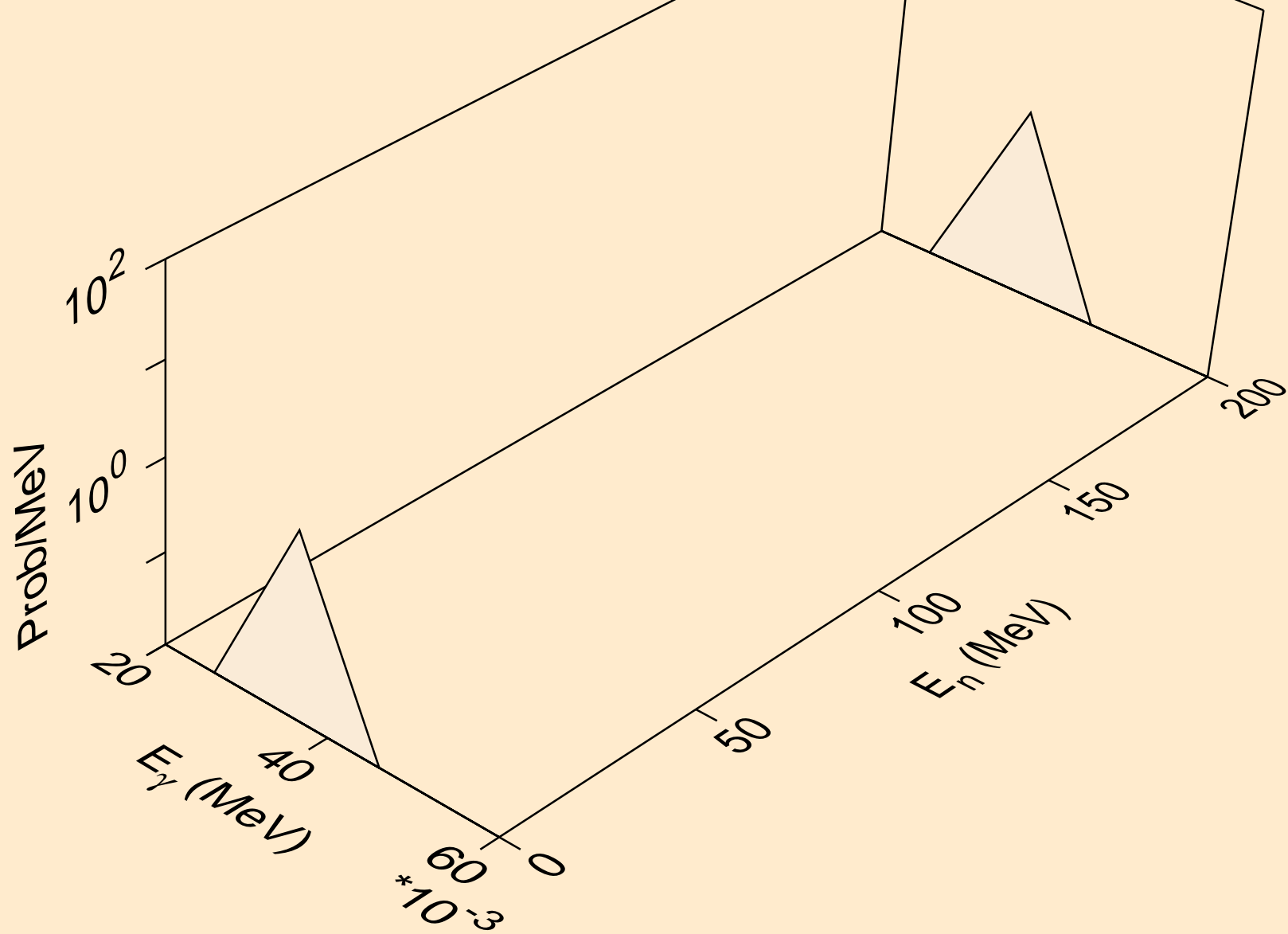
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Photon emission for (n,npa)



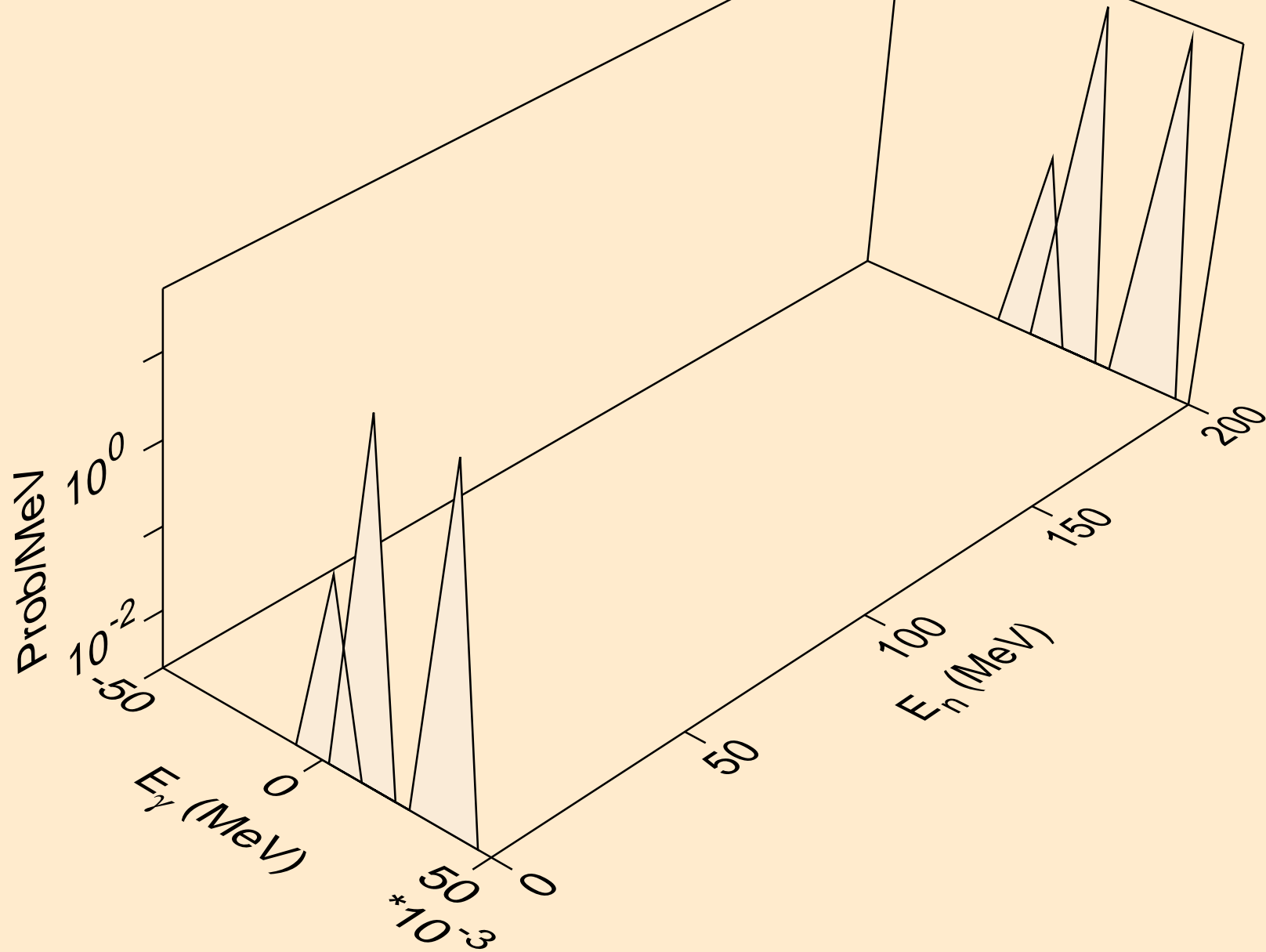
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Photon emission for (n,n\*1)



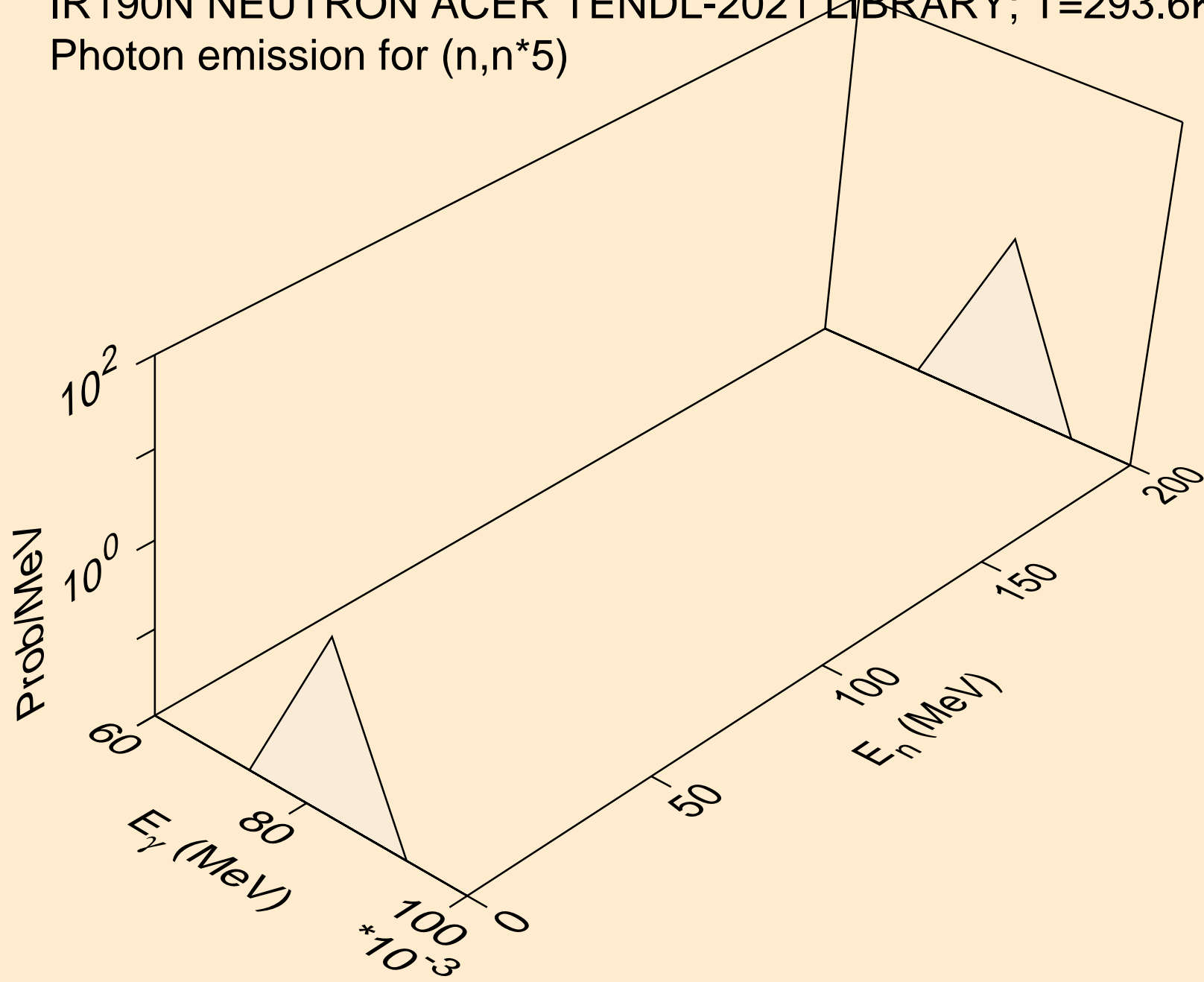
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*3)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*4)

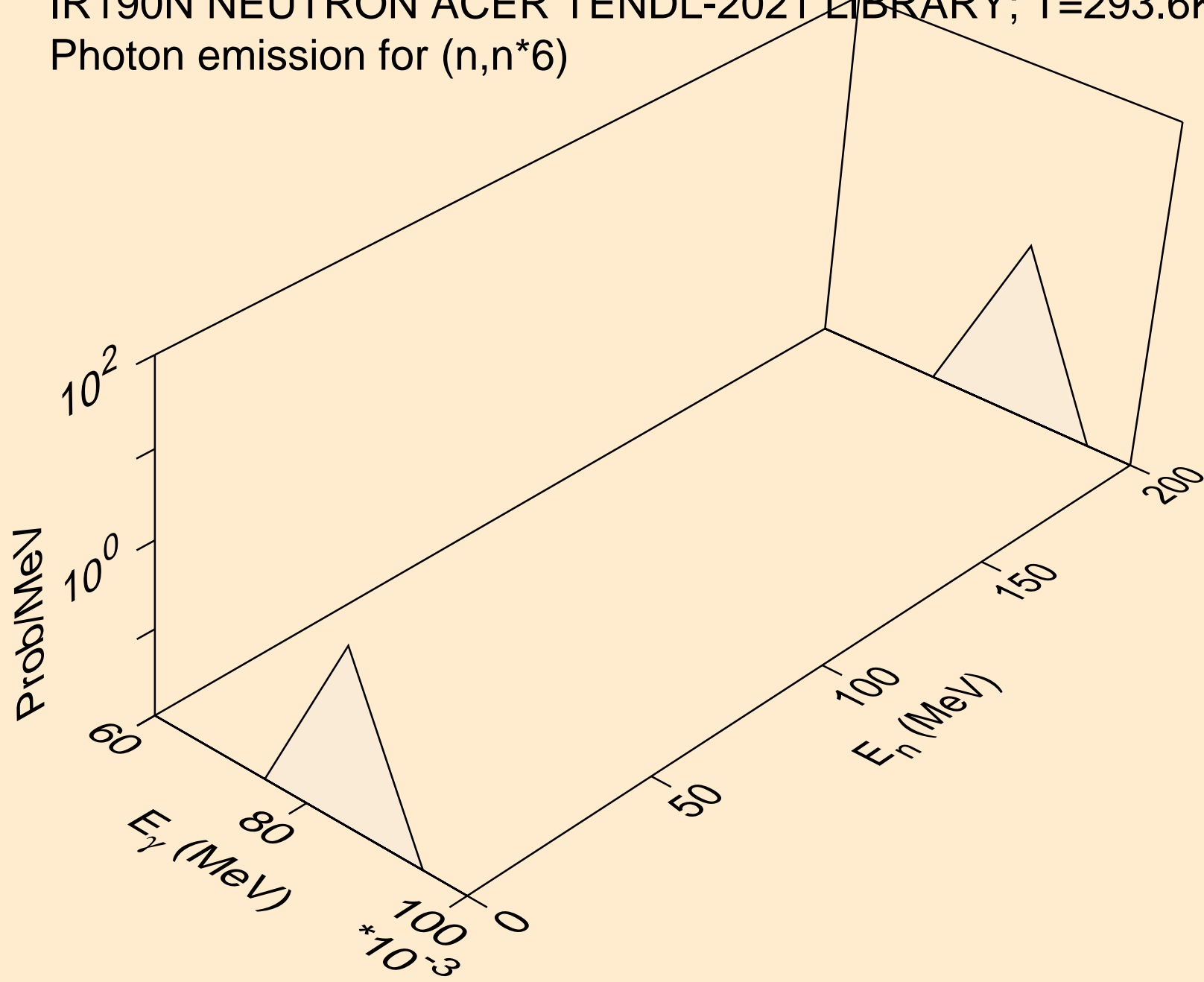


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*5)

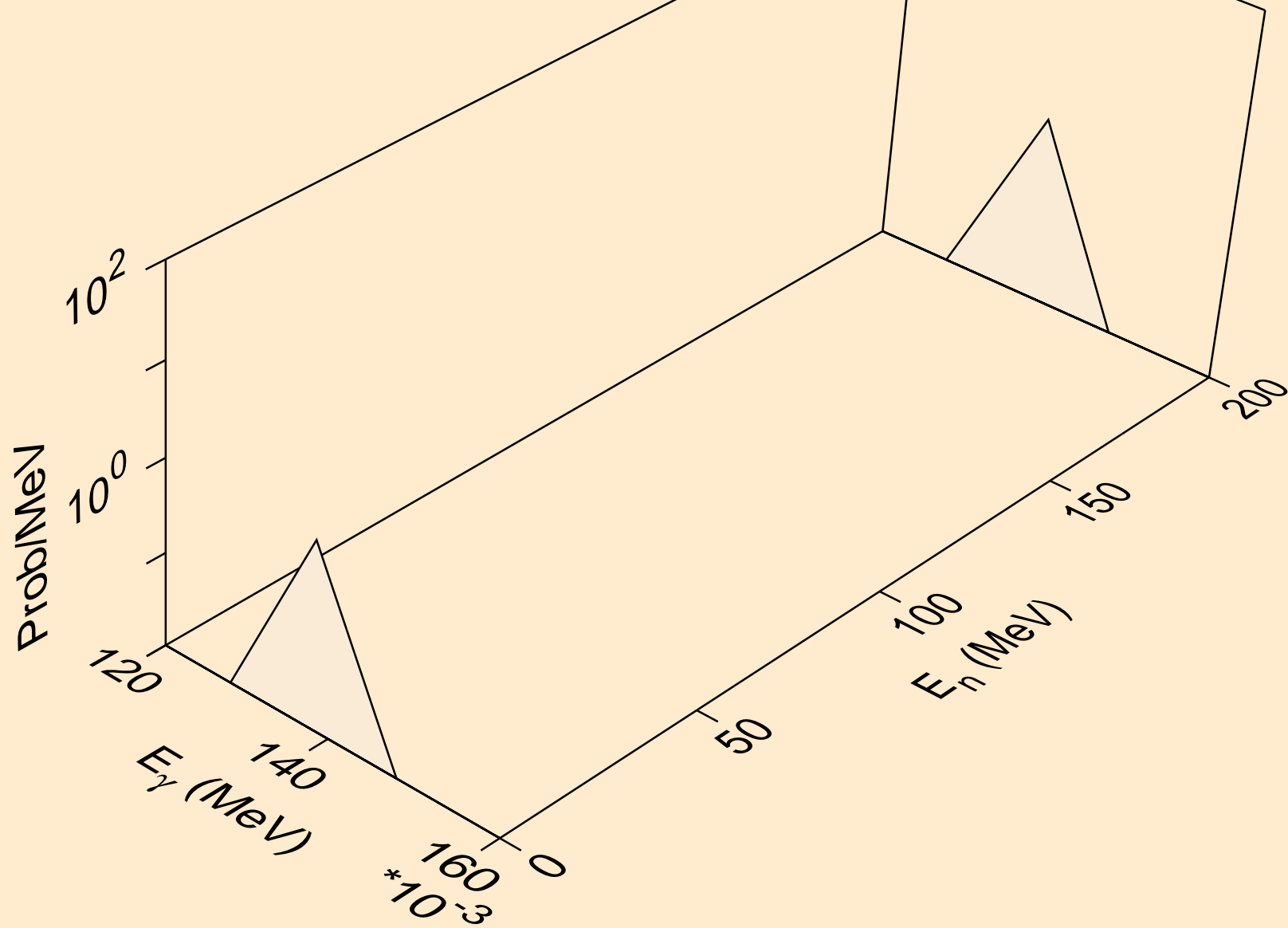




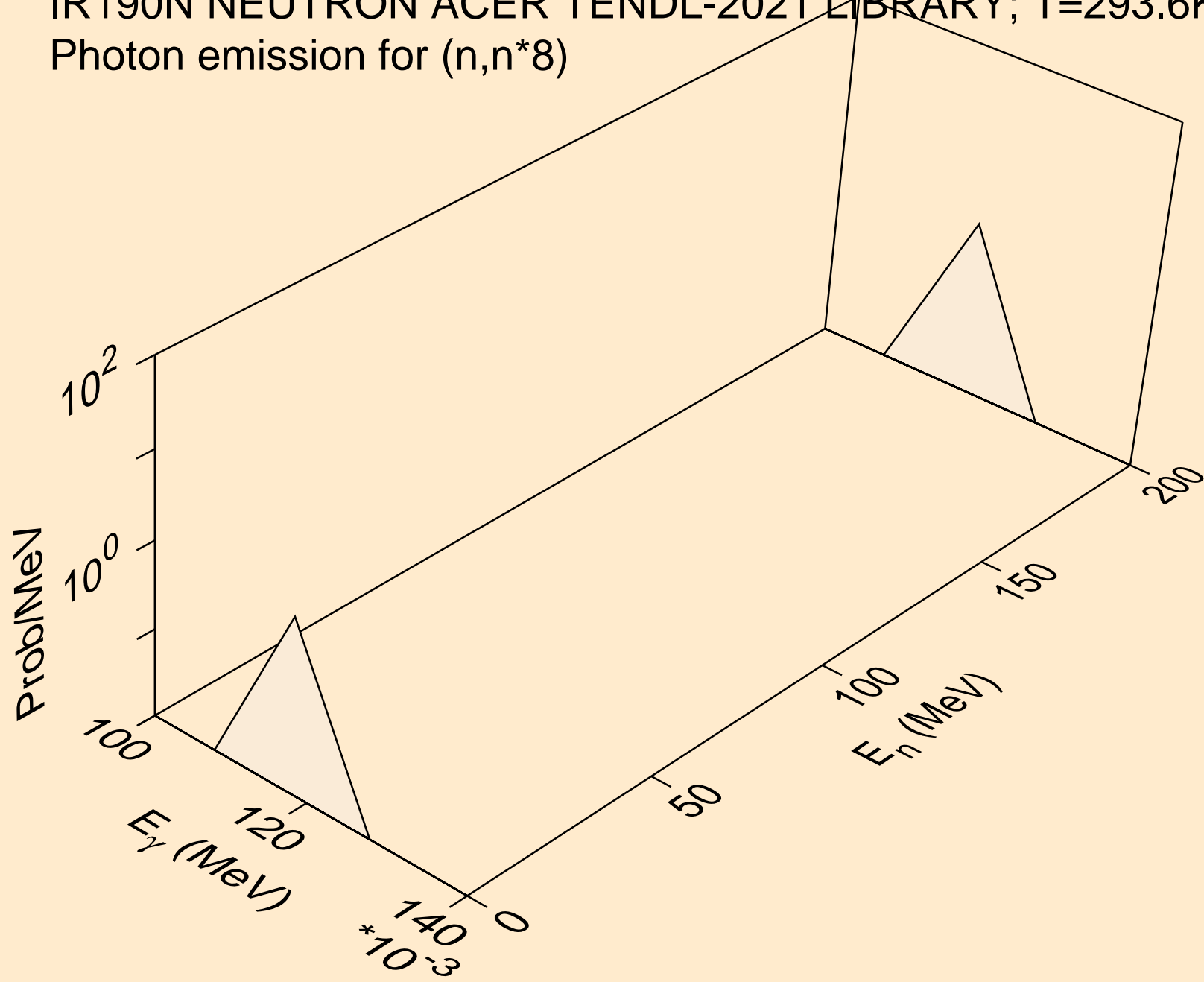
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Photon emission for (n,n\*6)



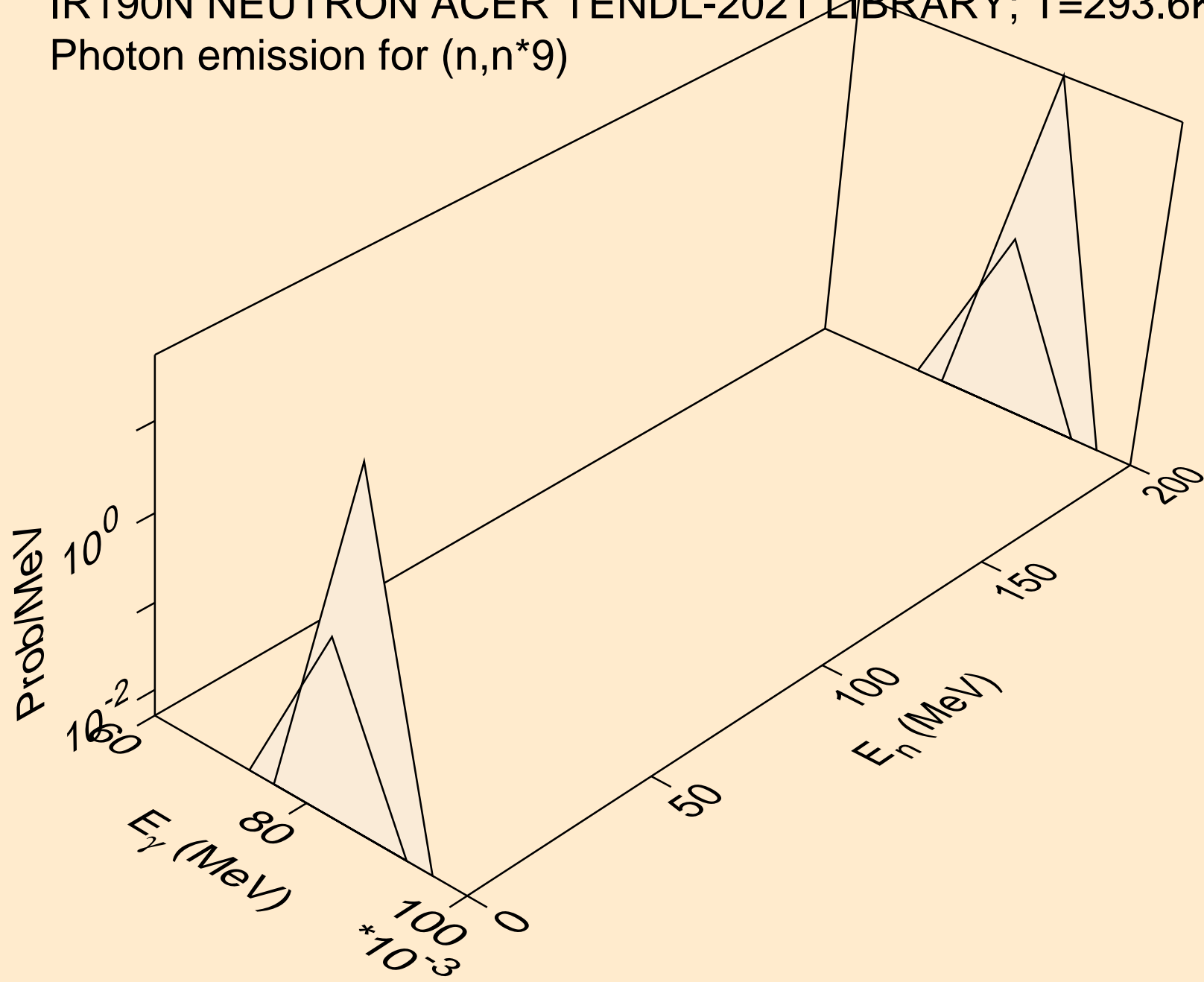
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Photon emission for (n,n\*7)



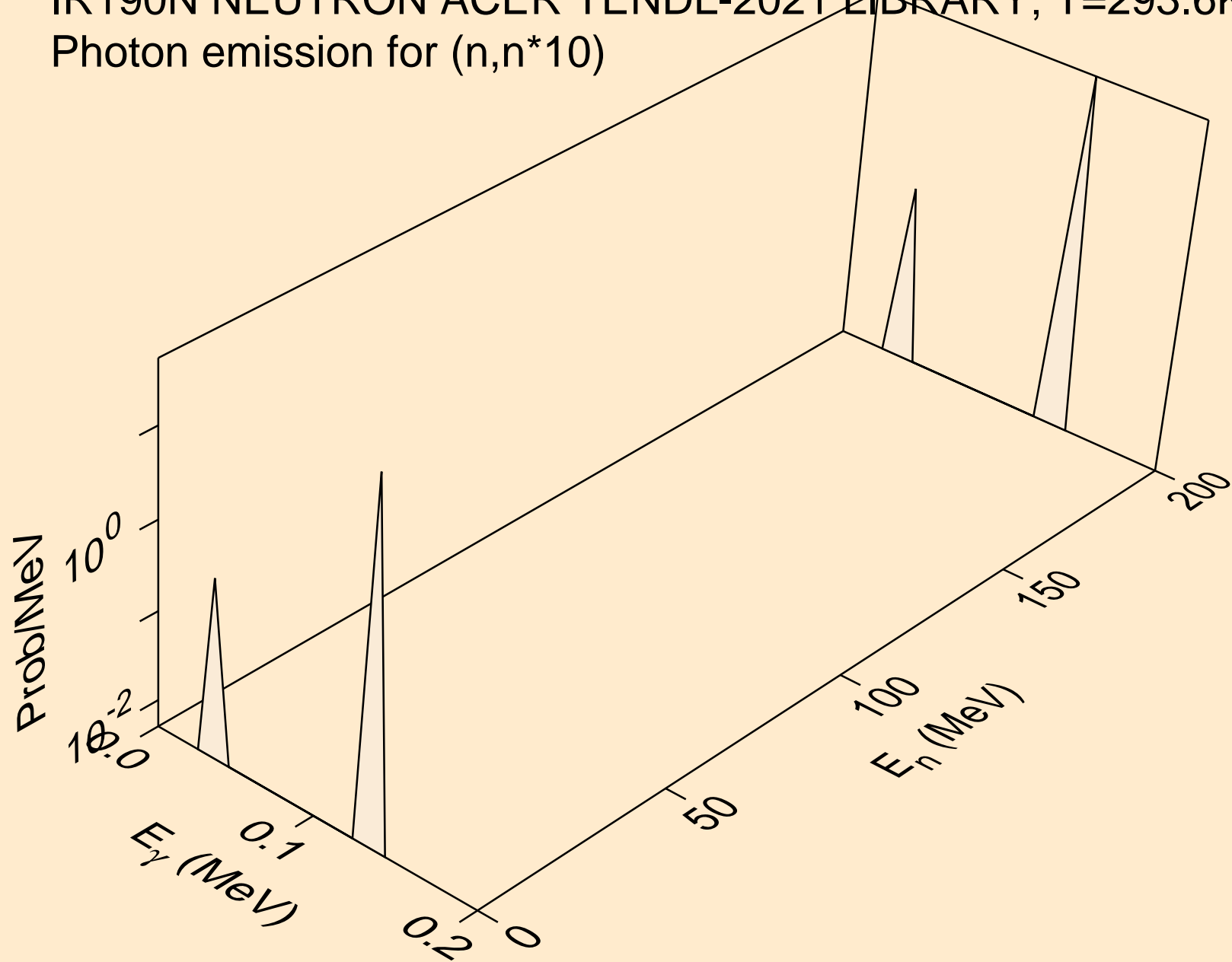
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Photon emission for (n,n\*8)



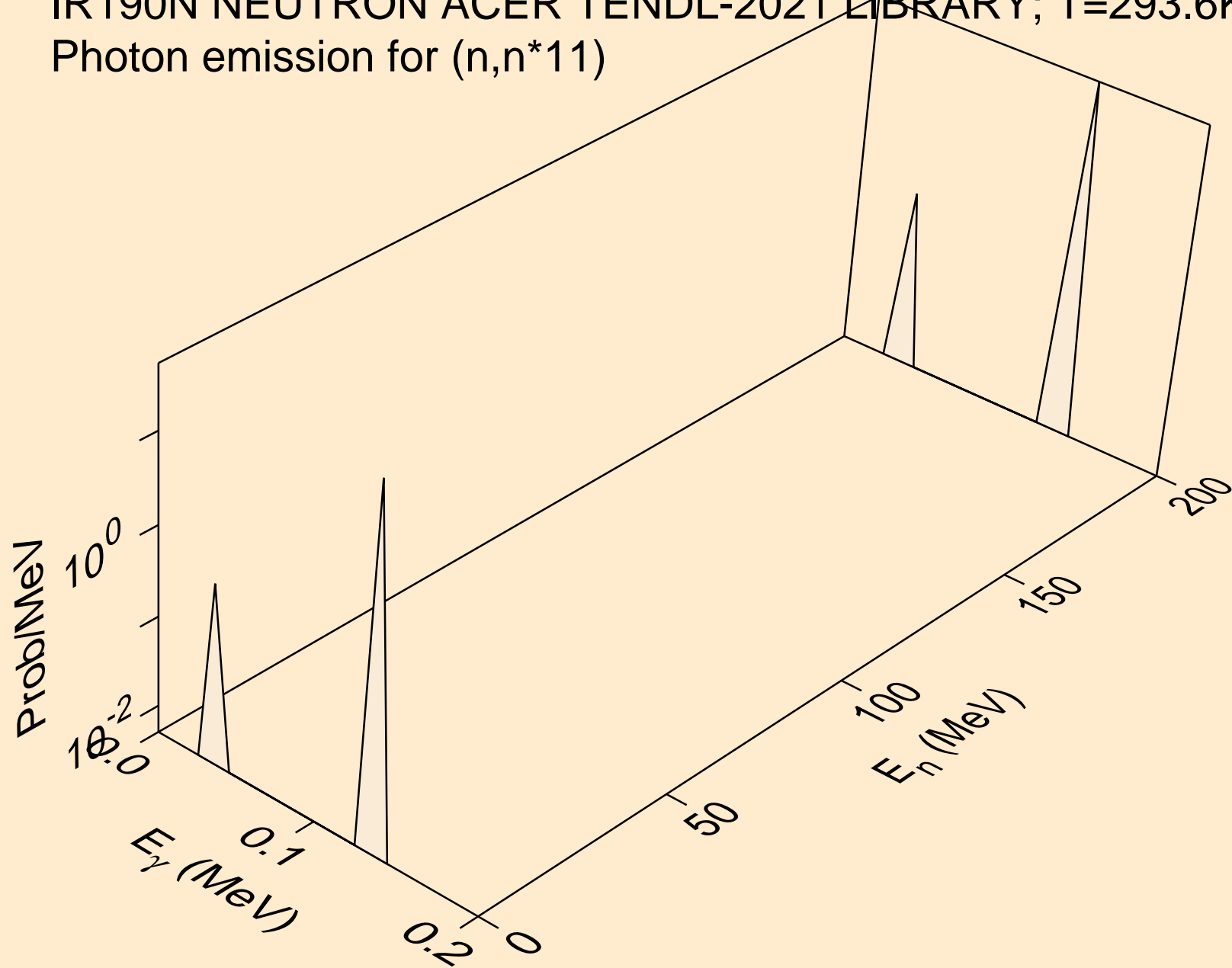
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Photon emission for (n,n\*9)



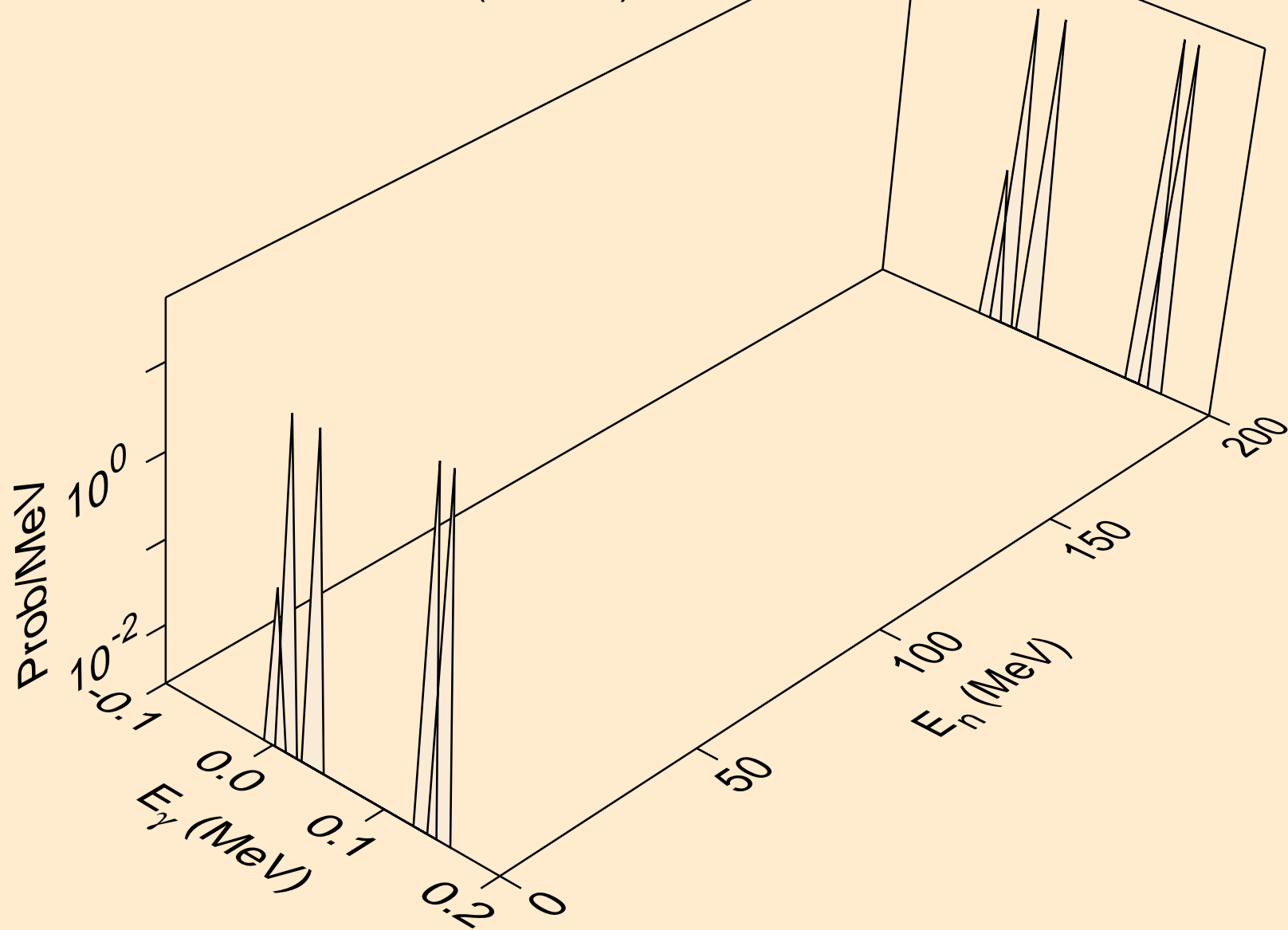
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Photon emission for (n,n\*10)



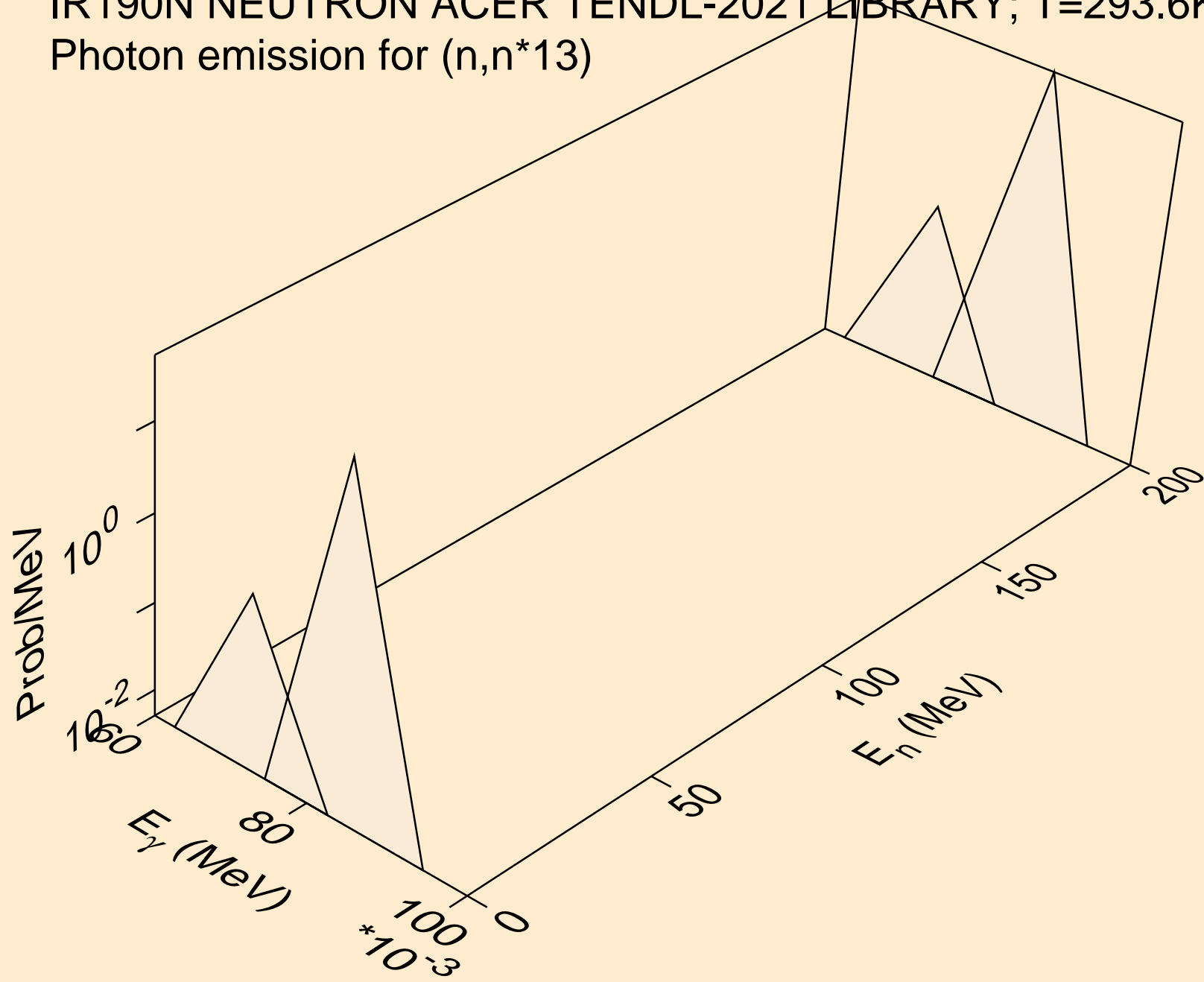
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*11)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*12)

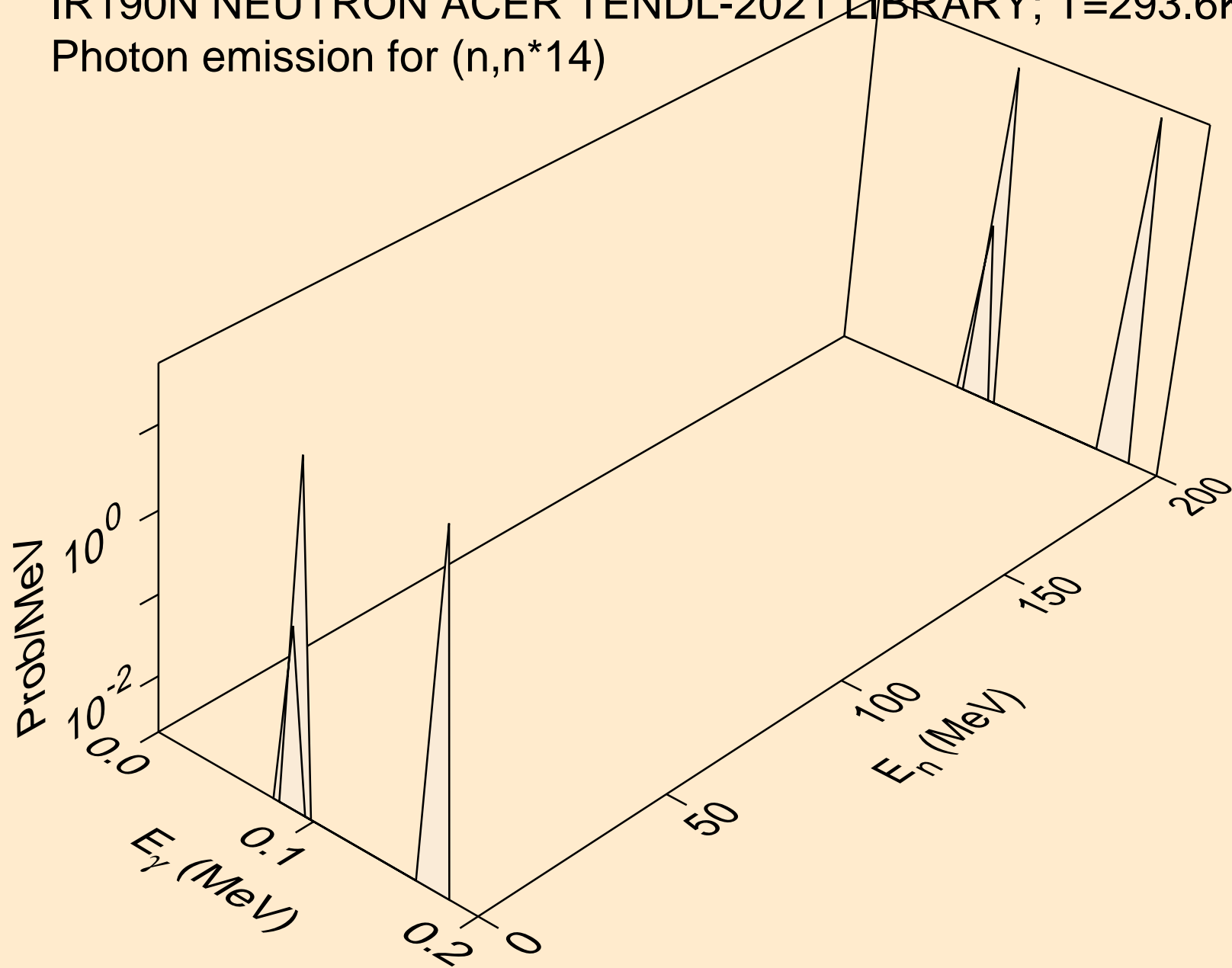


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Photon emission for (n,n\*13)

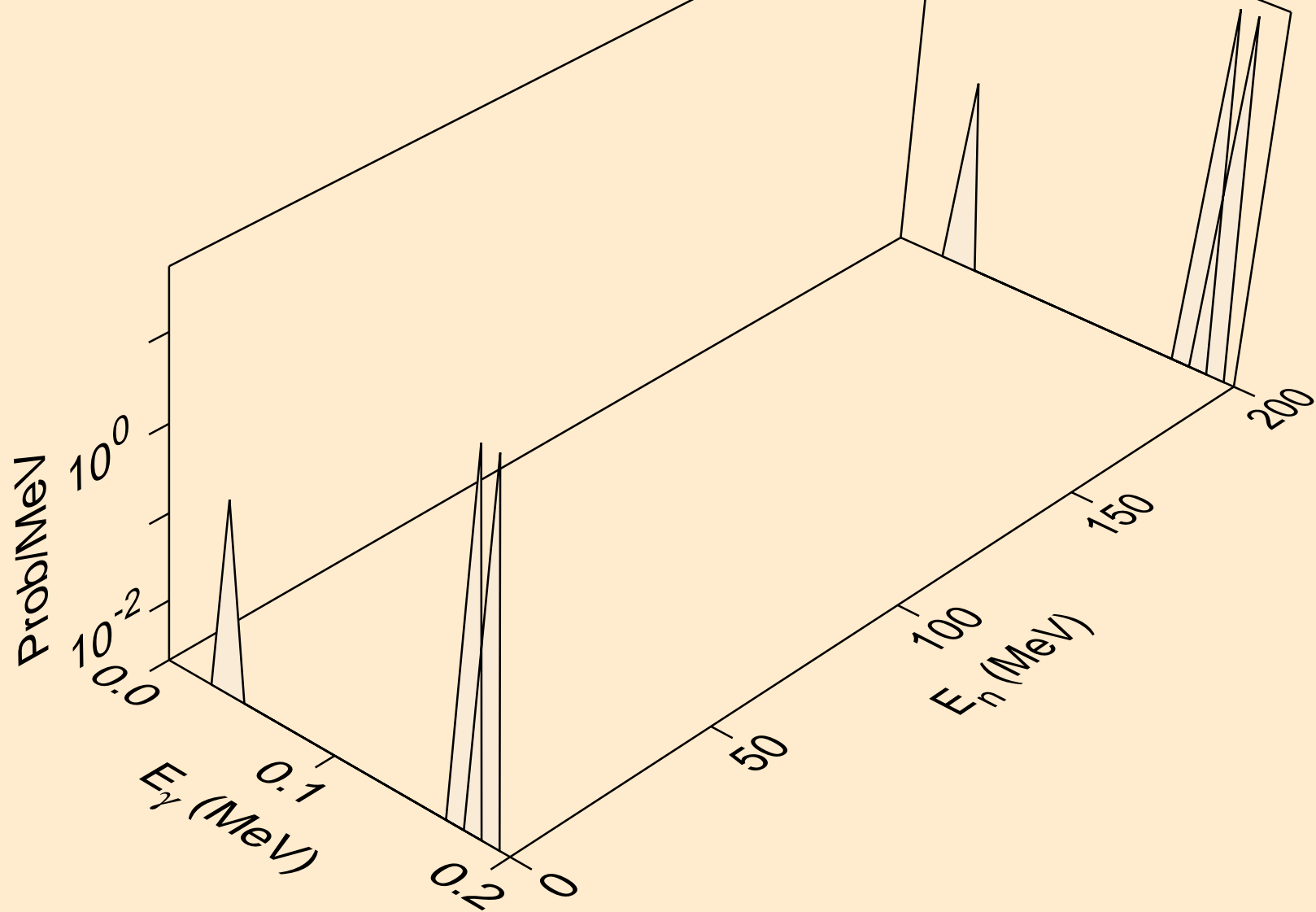




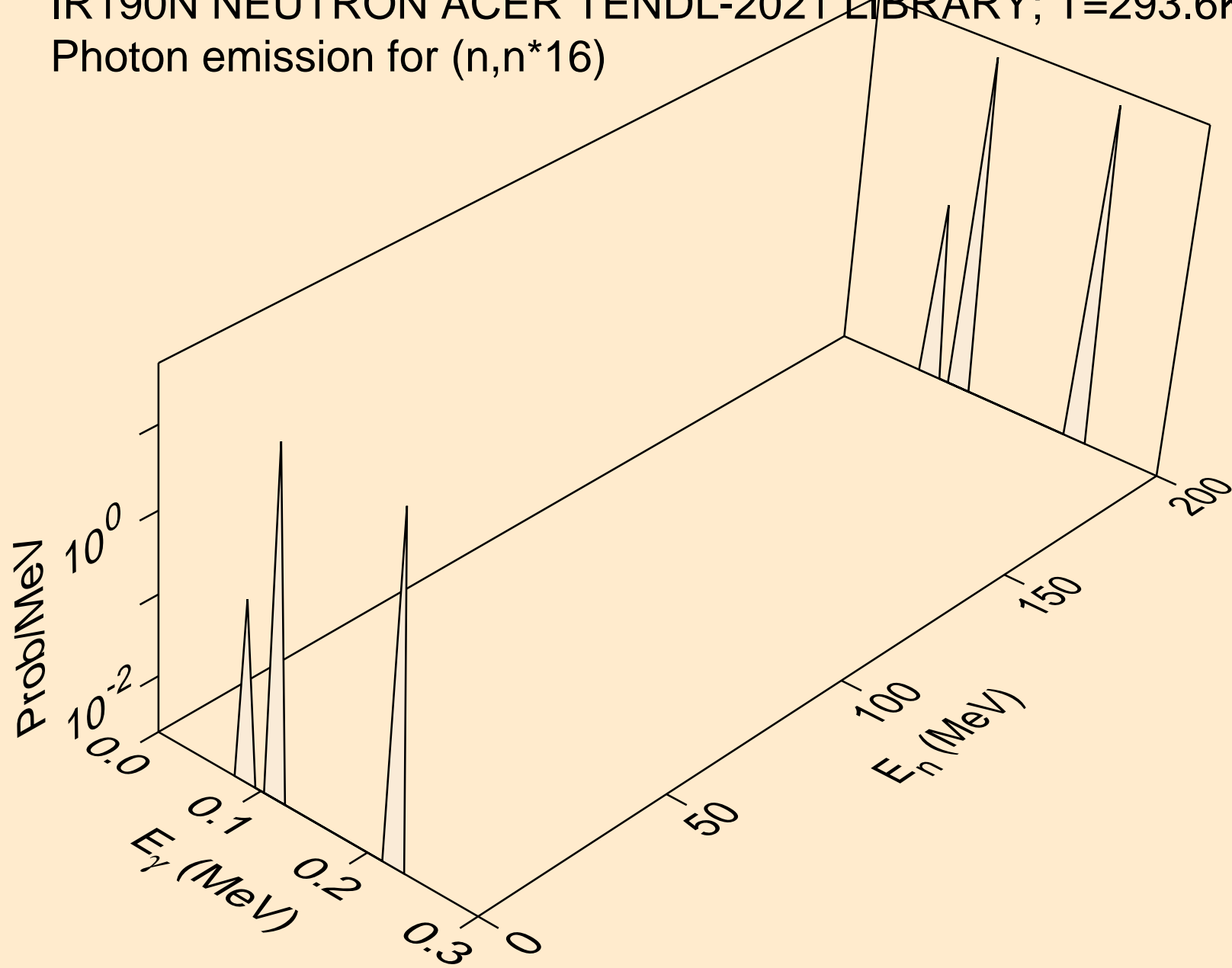
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Photon emission for (n,n\*14)



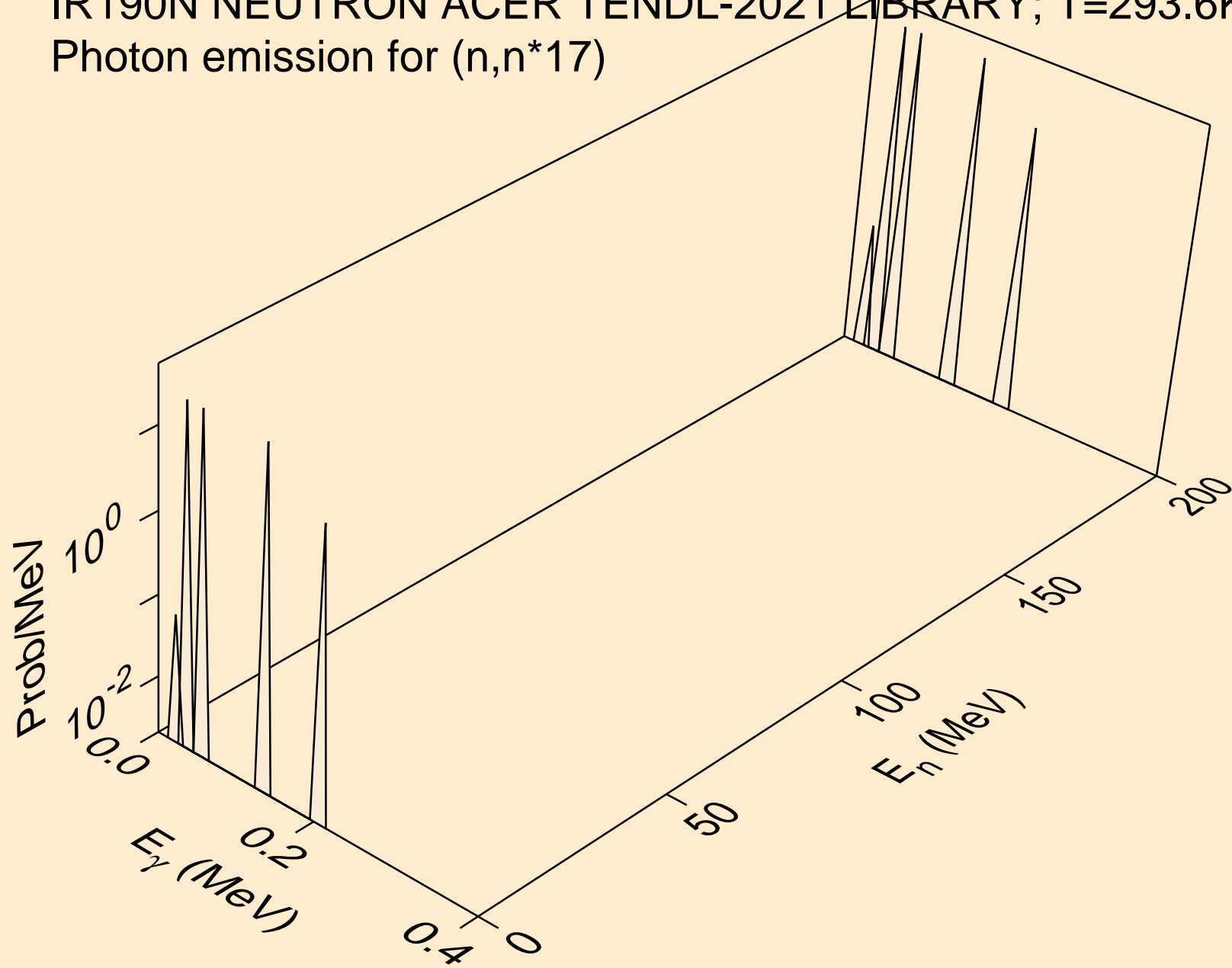
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Photon emission for (n,n\*15)



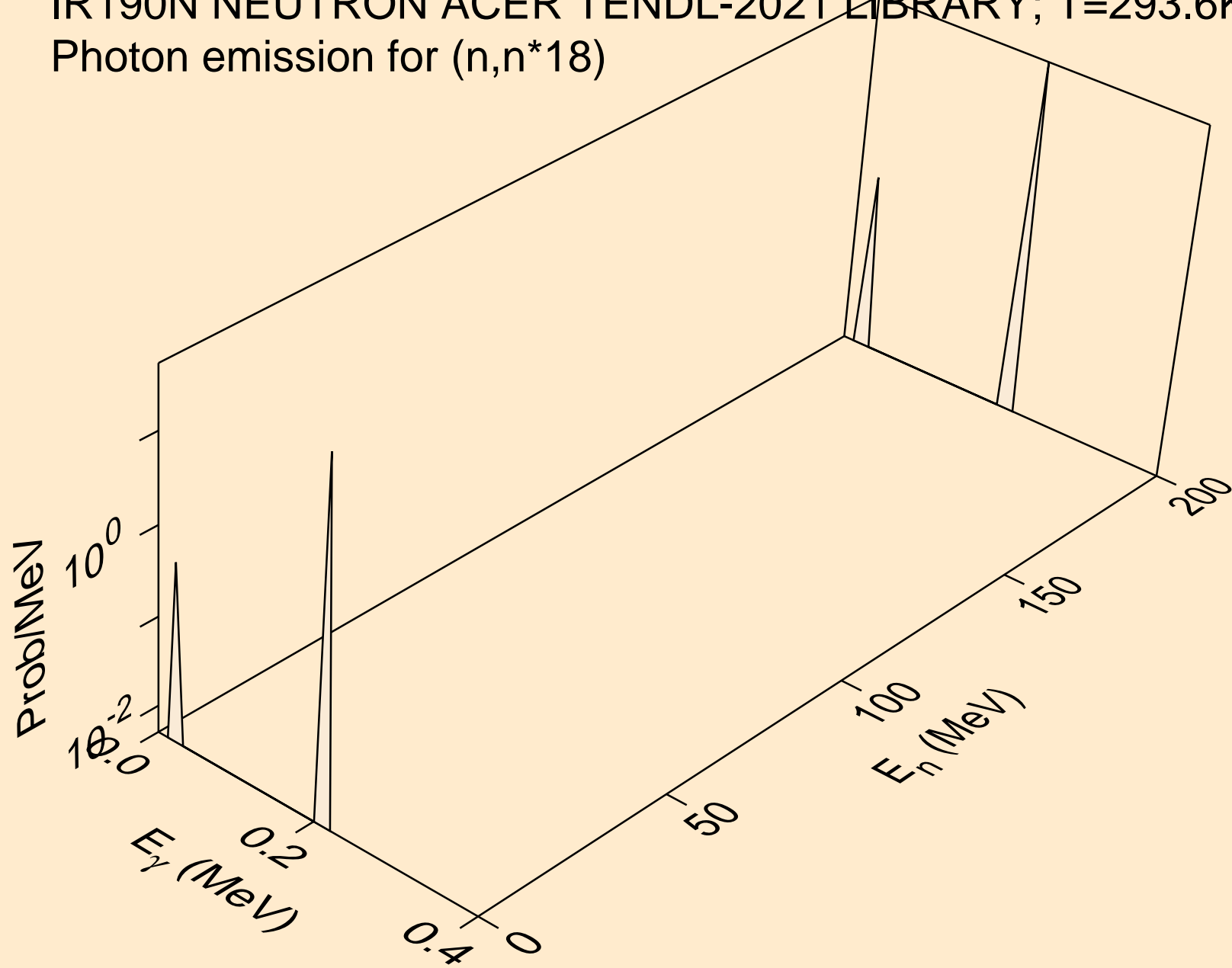
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Photon emission for (n,n\*16)



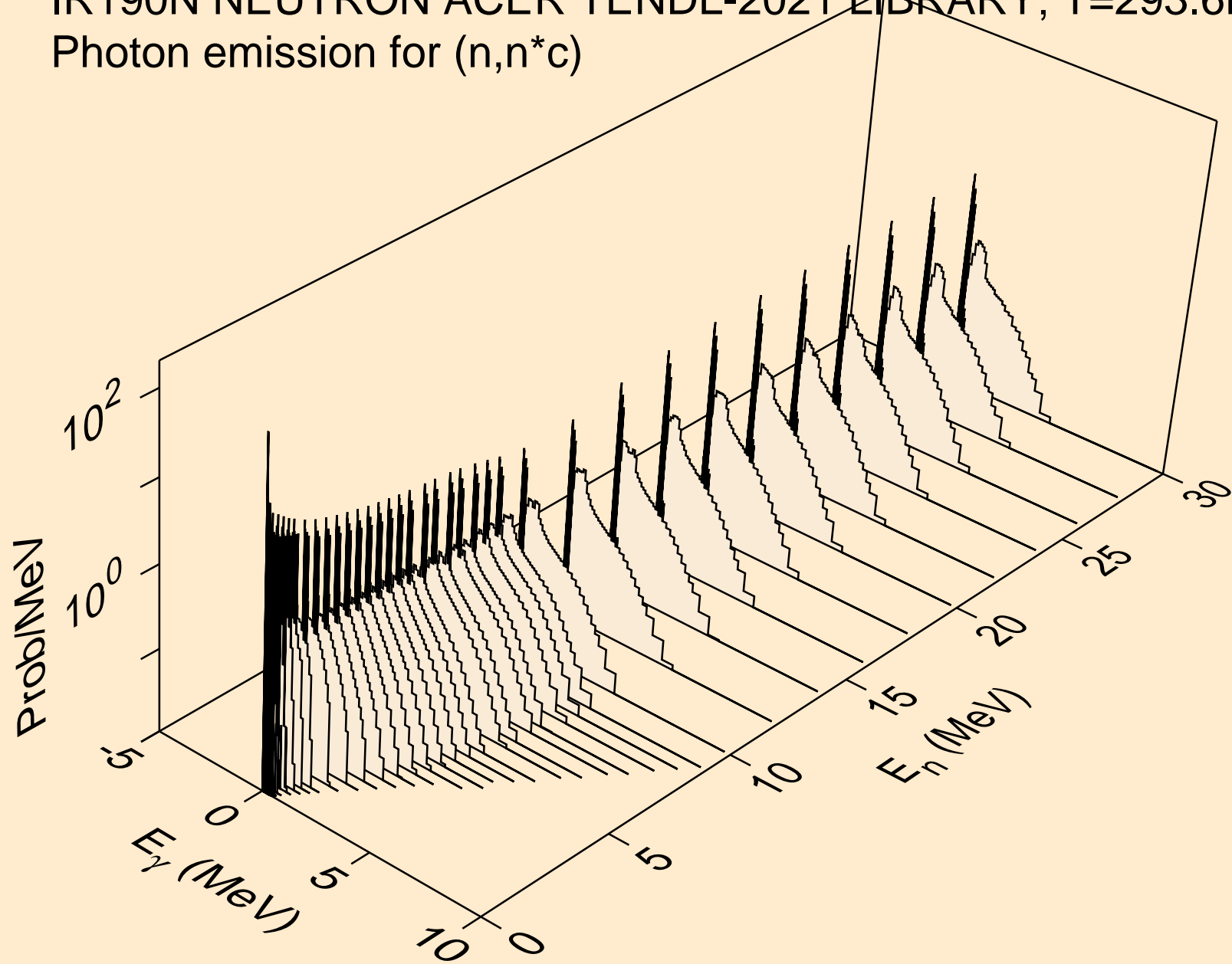
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Photon emission for (n,n\*17)



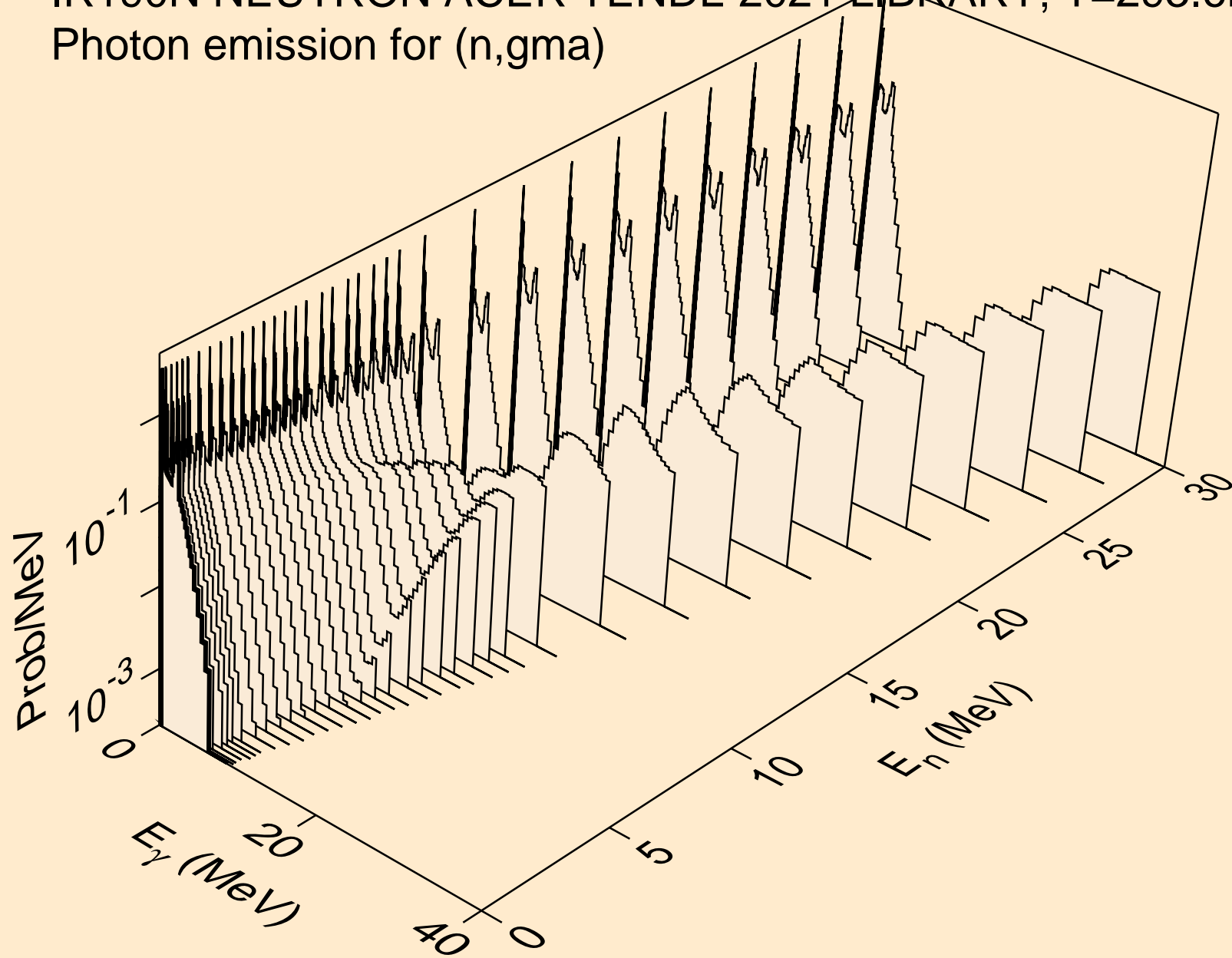
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Photon emission for (n,n\*18)



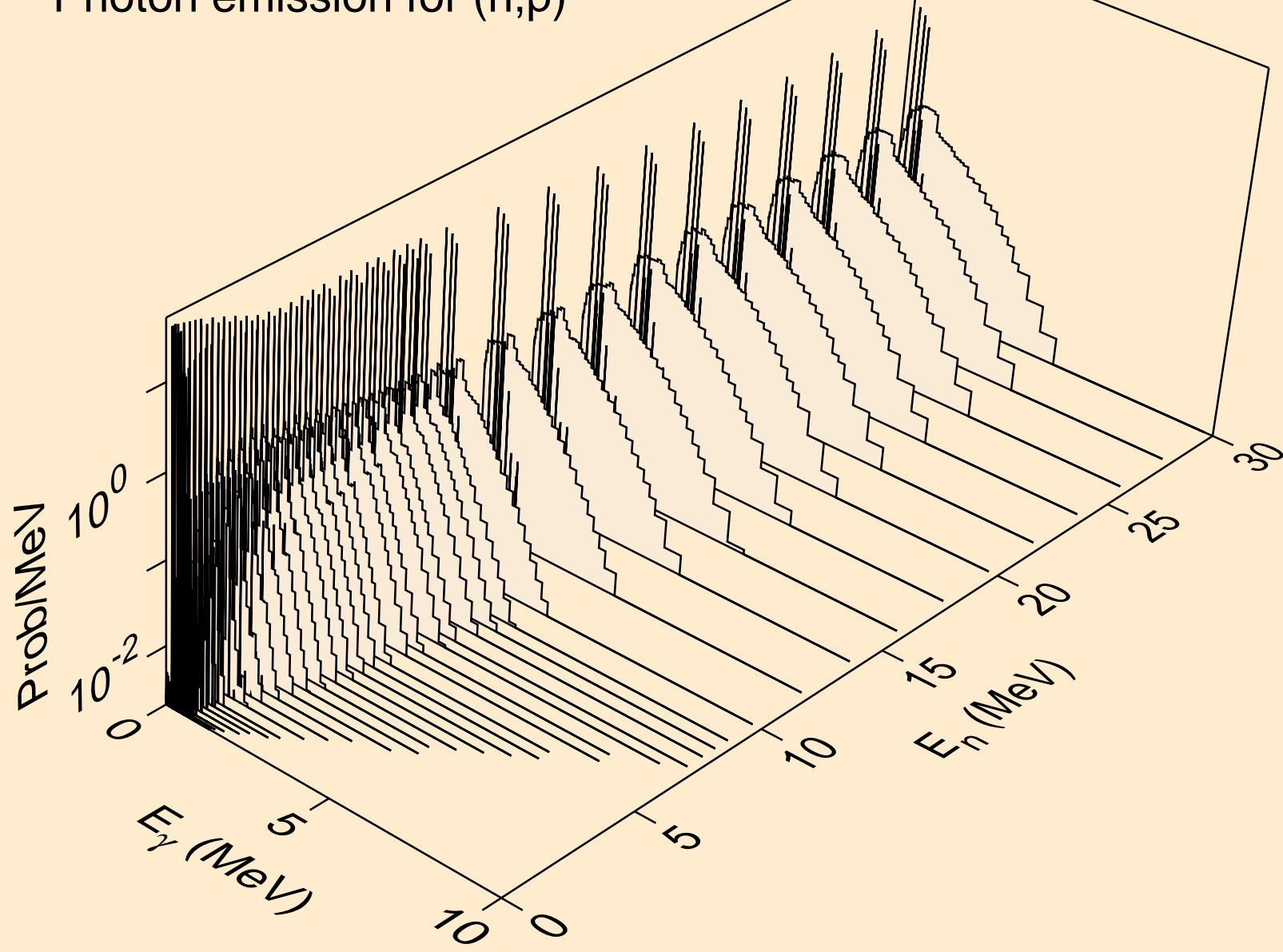
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

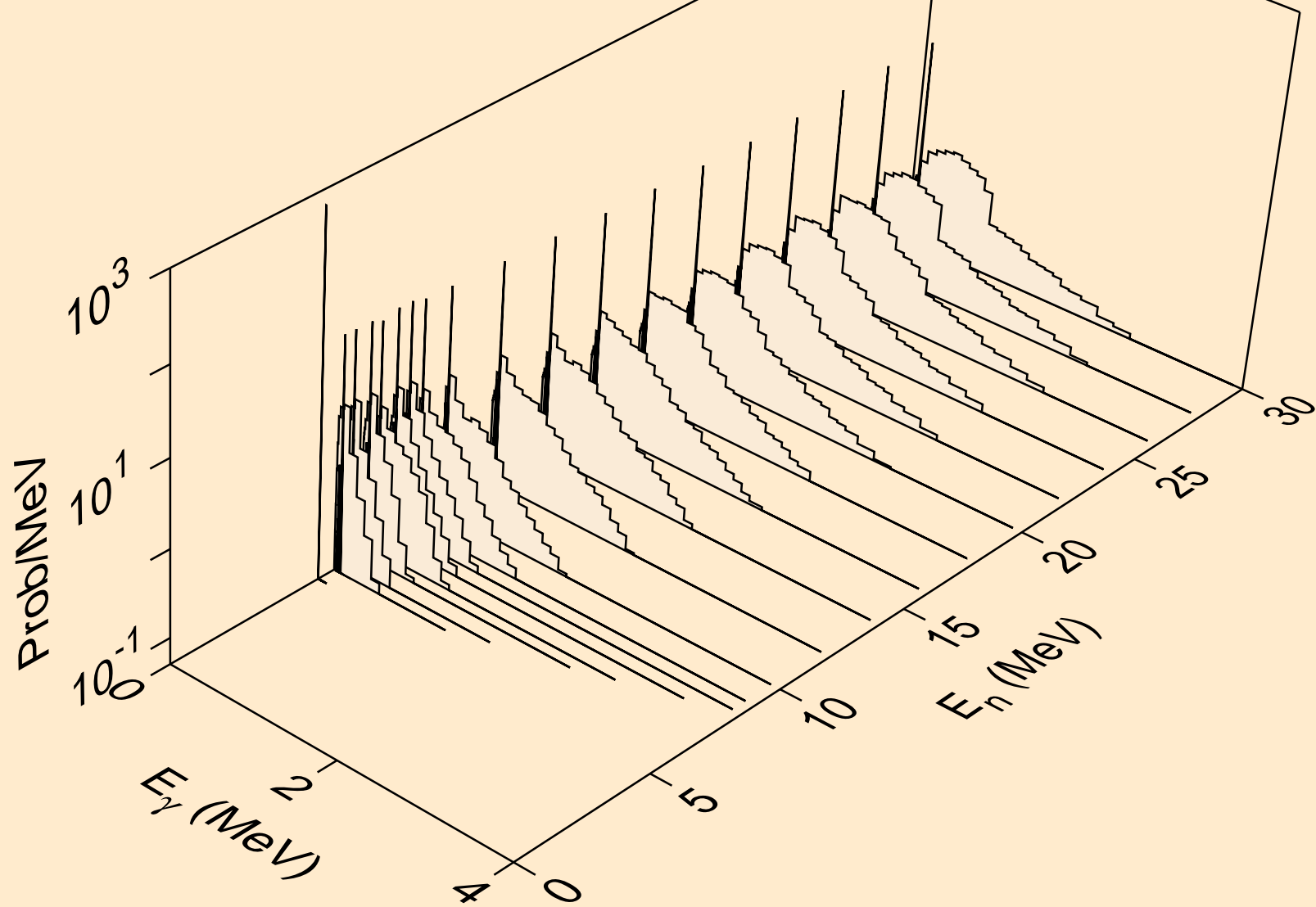


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Photon emission for (n,p)

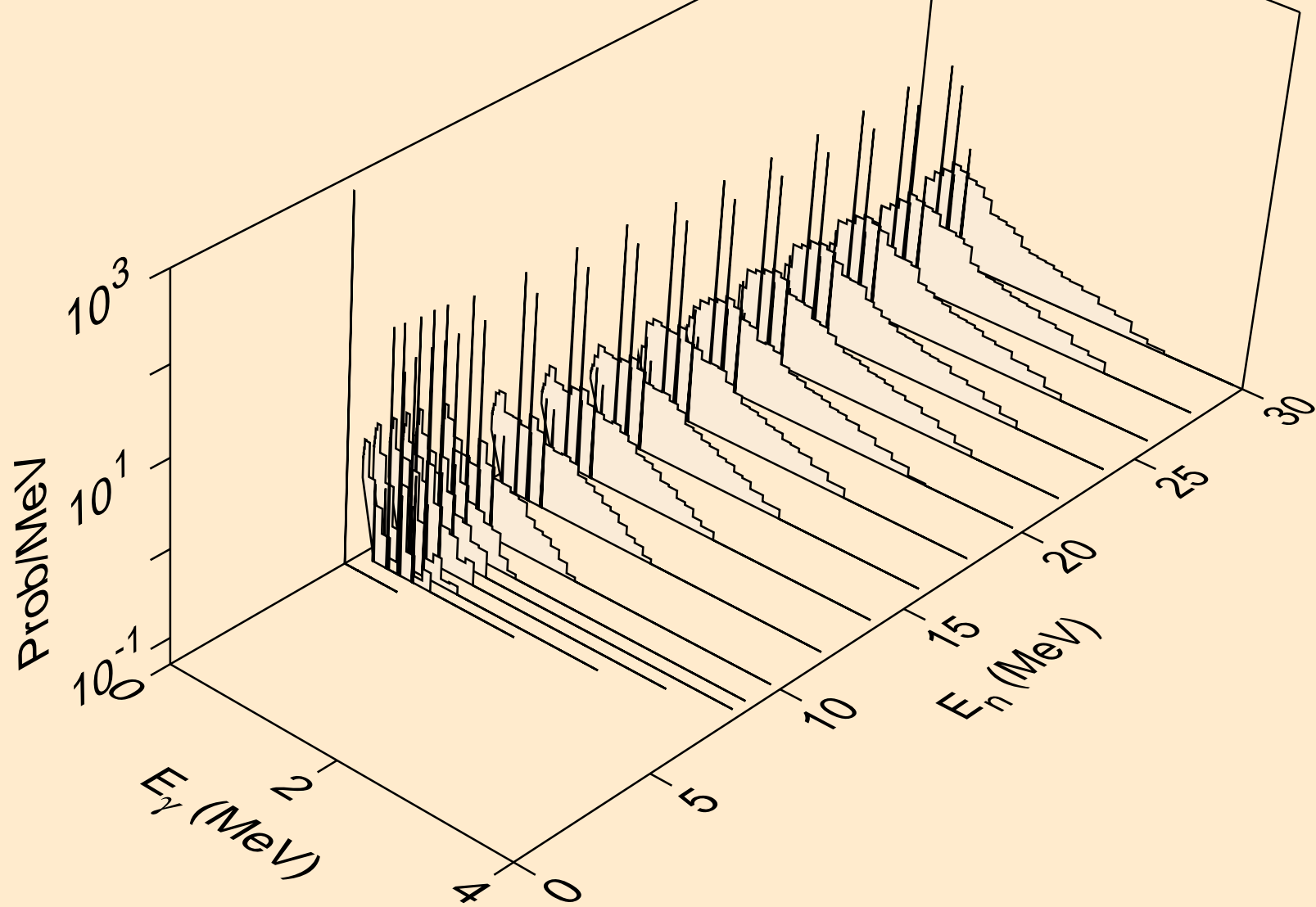




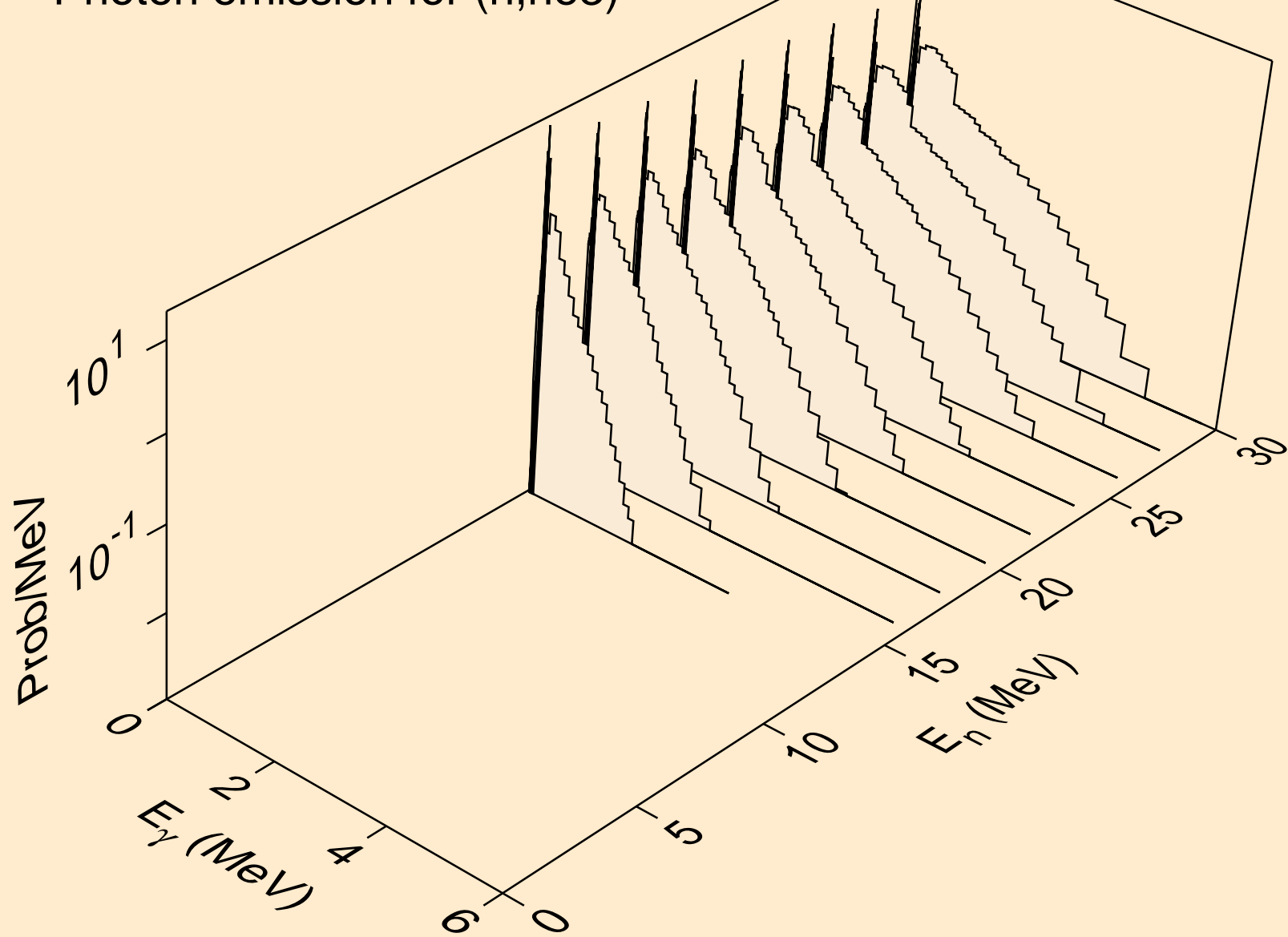
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Photon emission for (n,d)



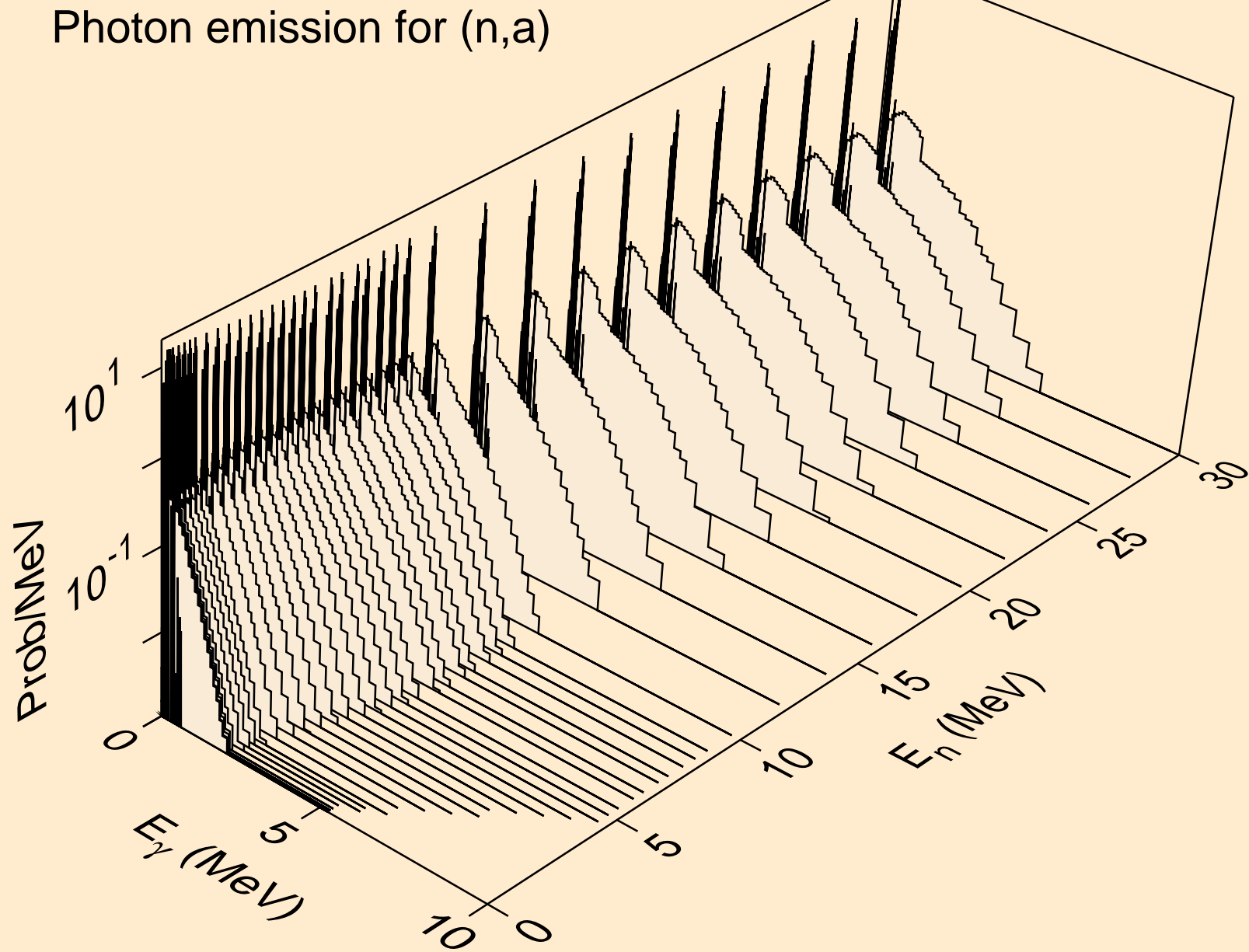
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Photon emission for (n,t)



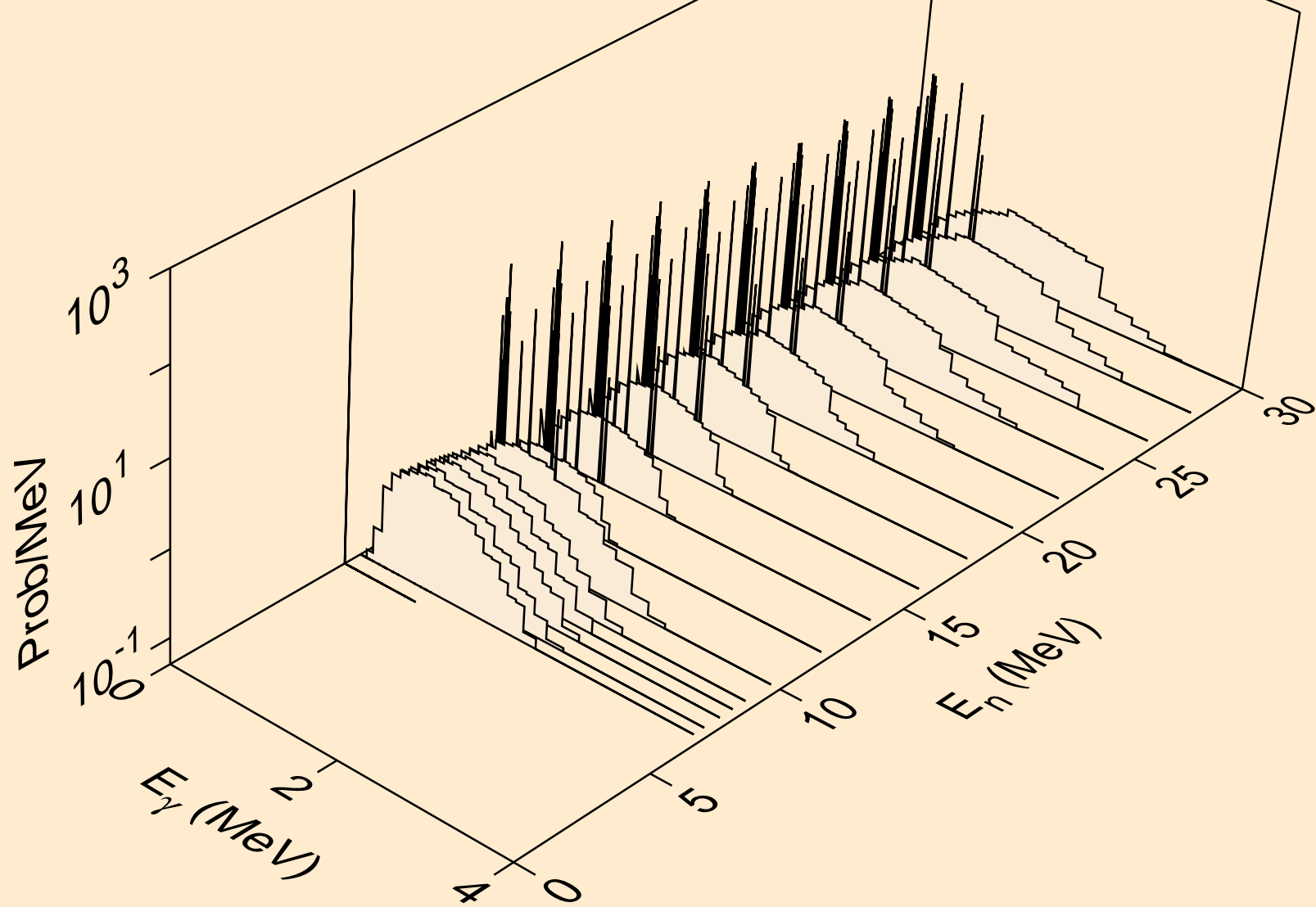
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Photon emission for (n,he3)



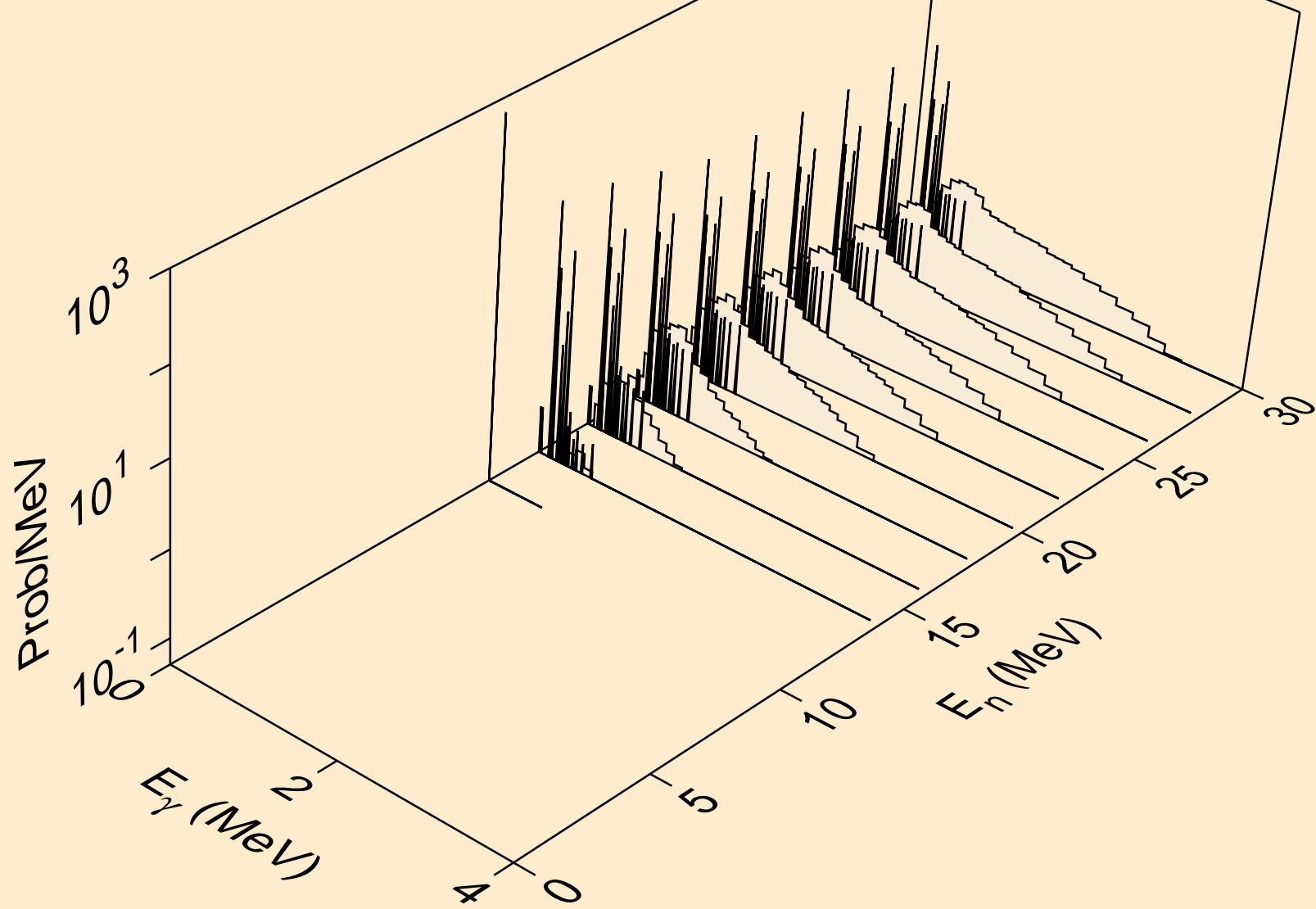
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Photon emission for (n,a)



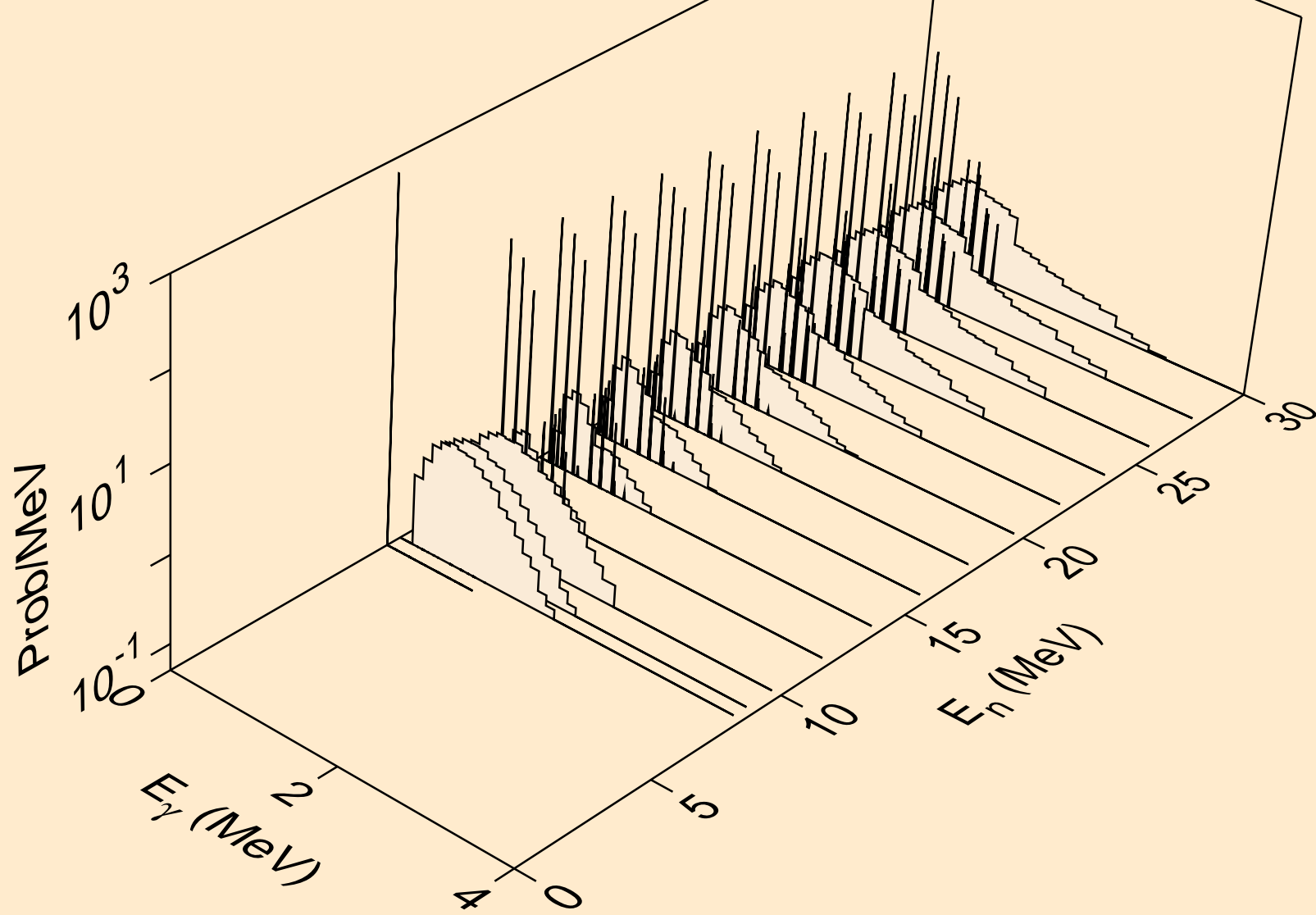
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Photon emission for (n,2a)



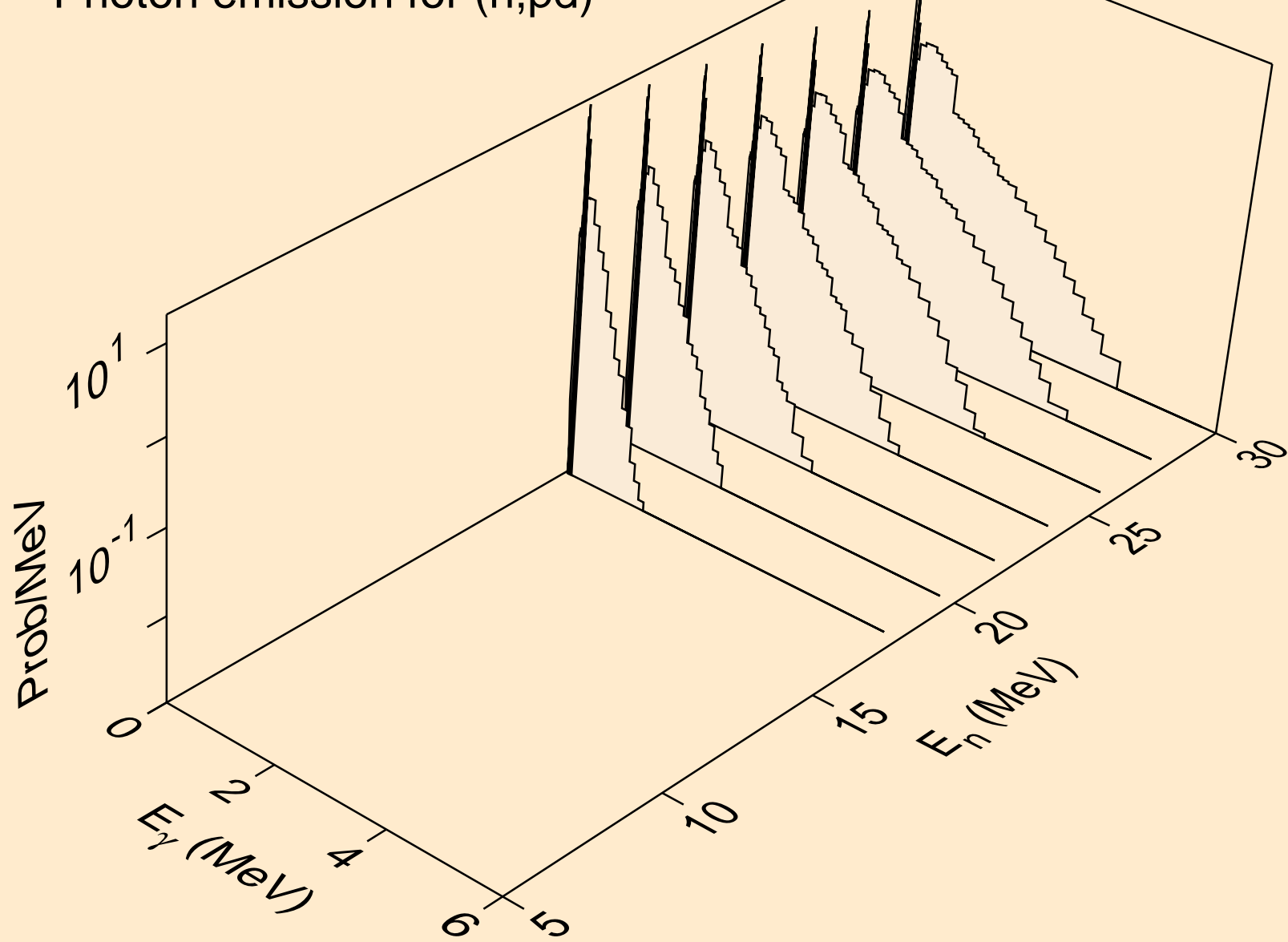
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Photon emission for (n,2p)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

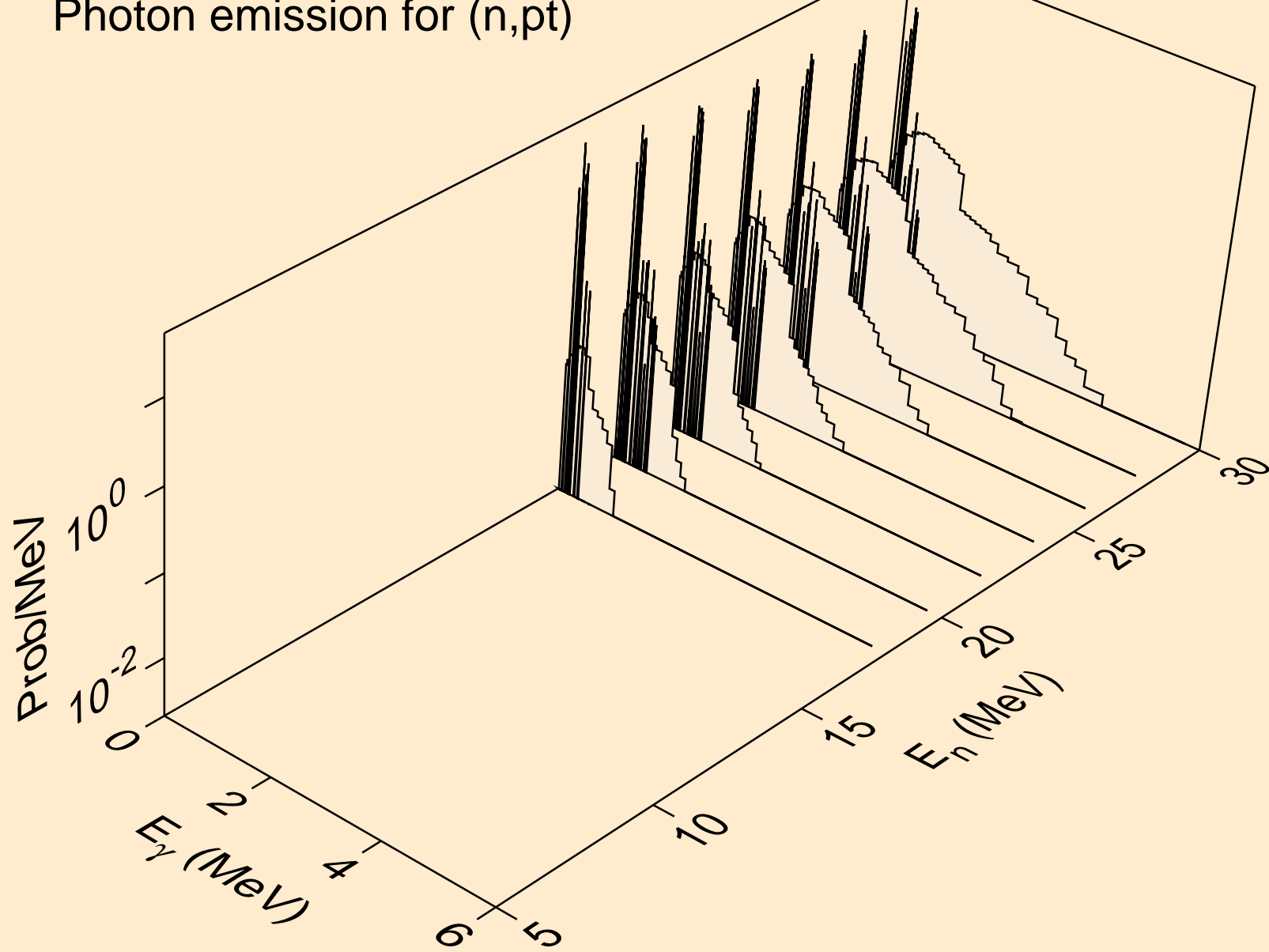


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Photon emission for (n,pd)

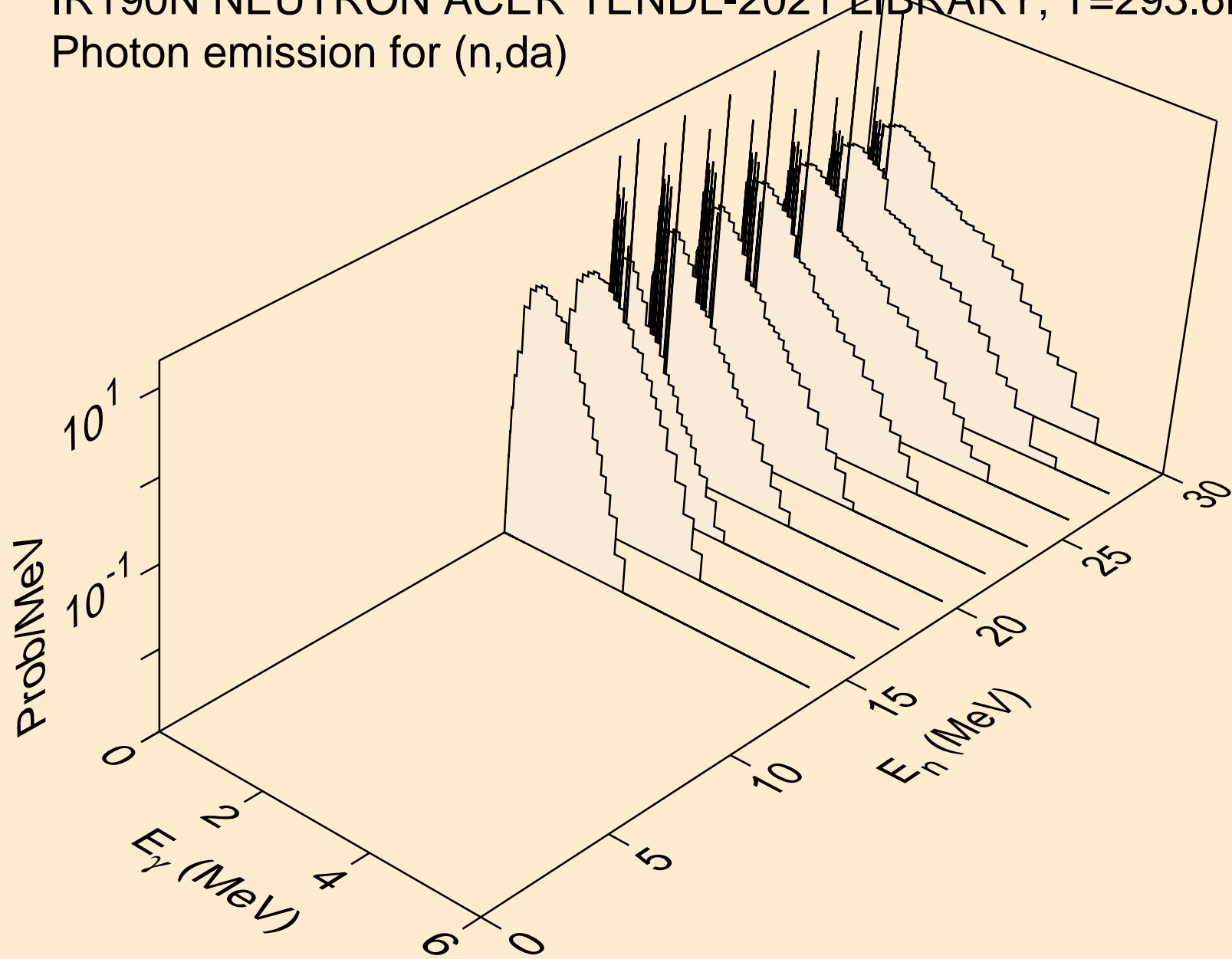




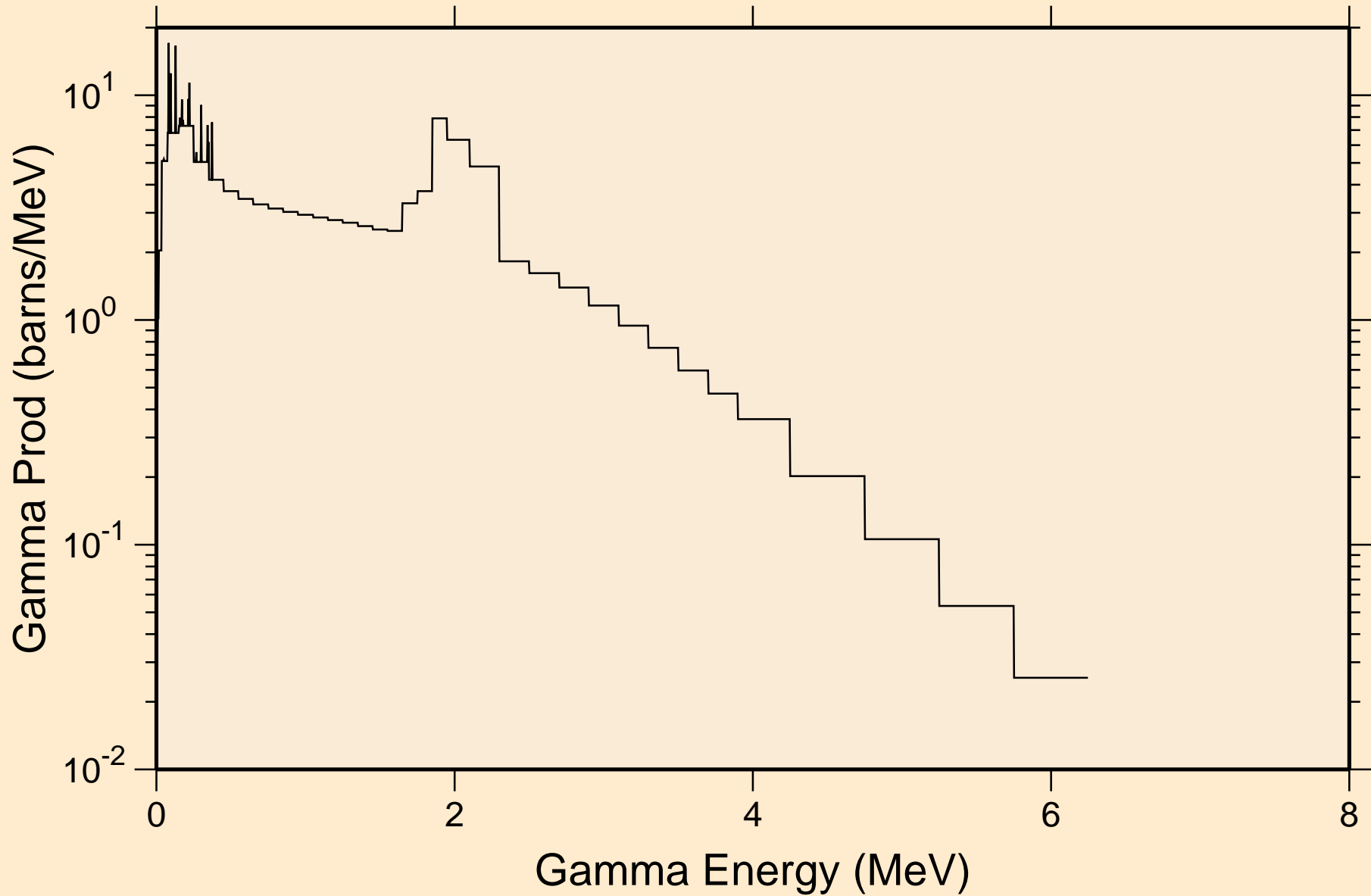
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Photon emission for (n,pt)



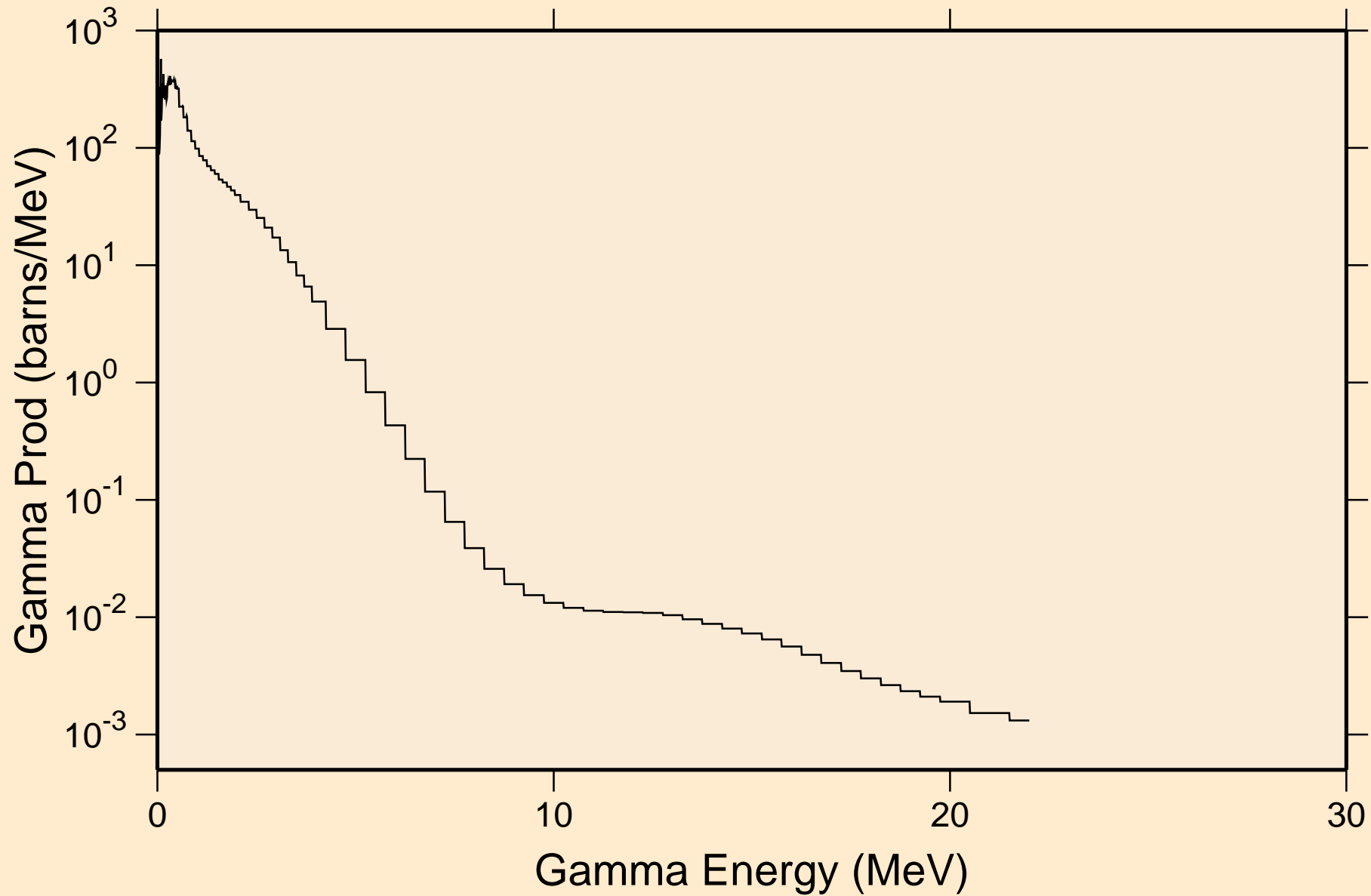
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Photon emission for (n,da)



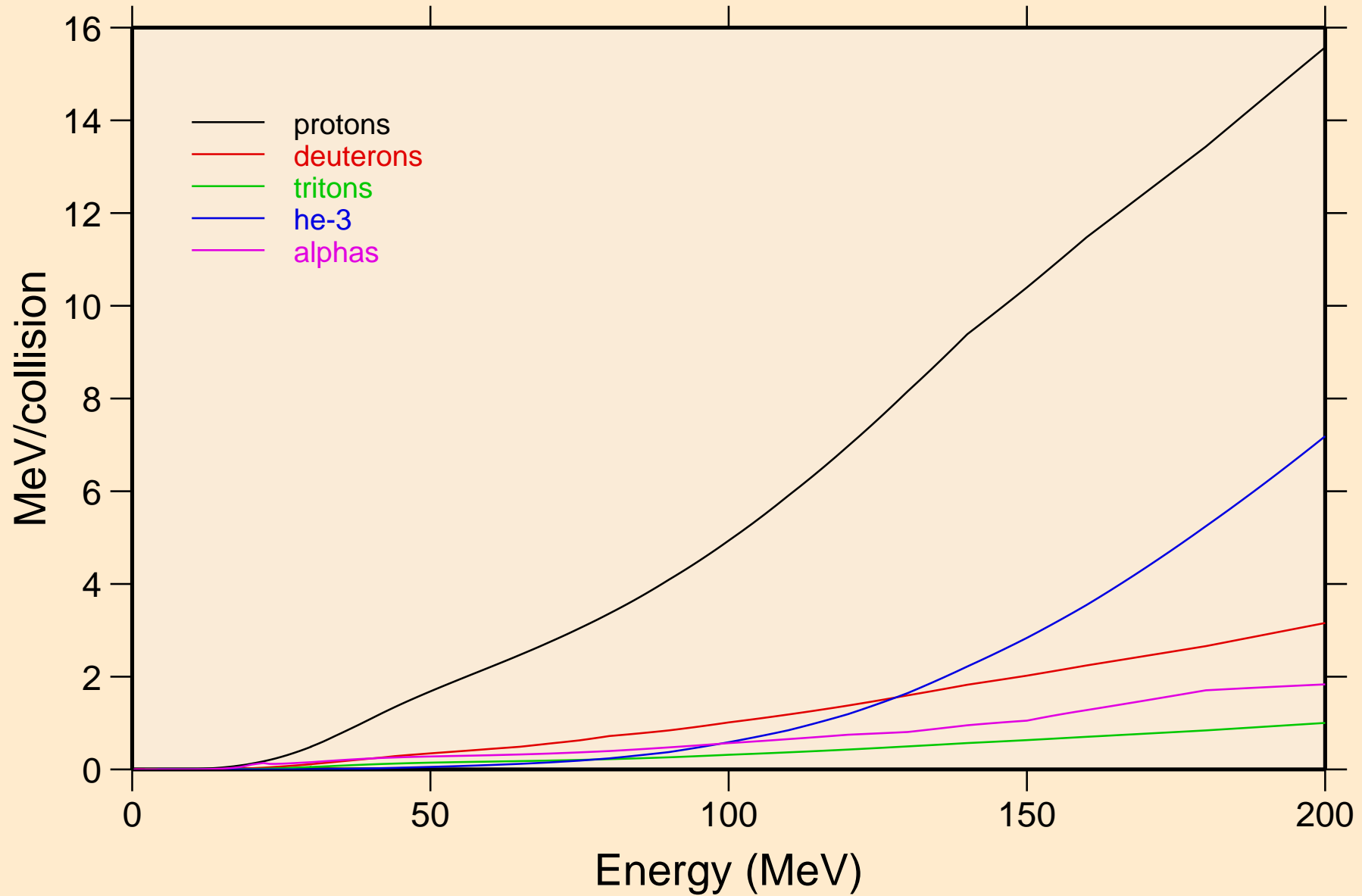
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thermal capture photon spectrum



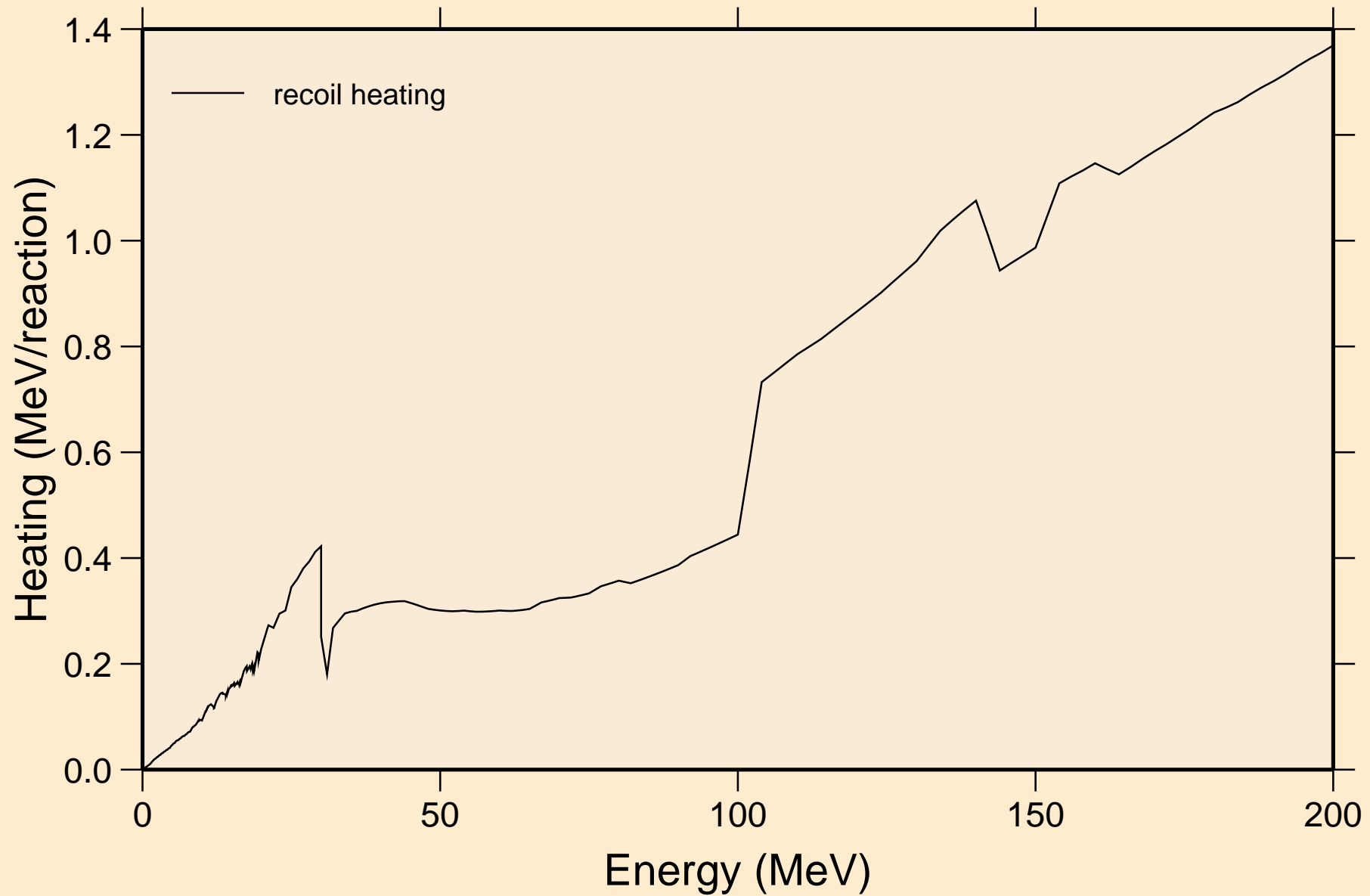
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14 MeV photon spectrum



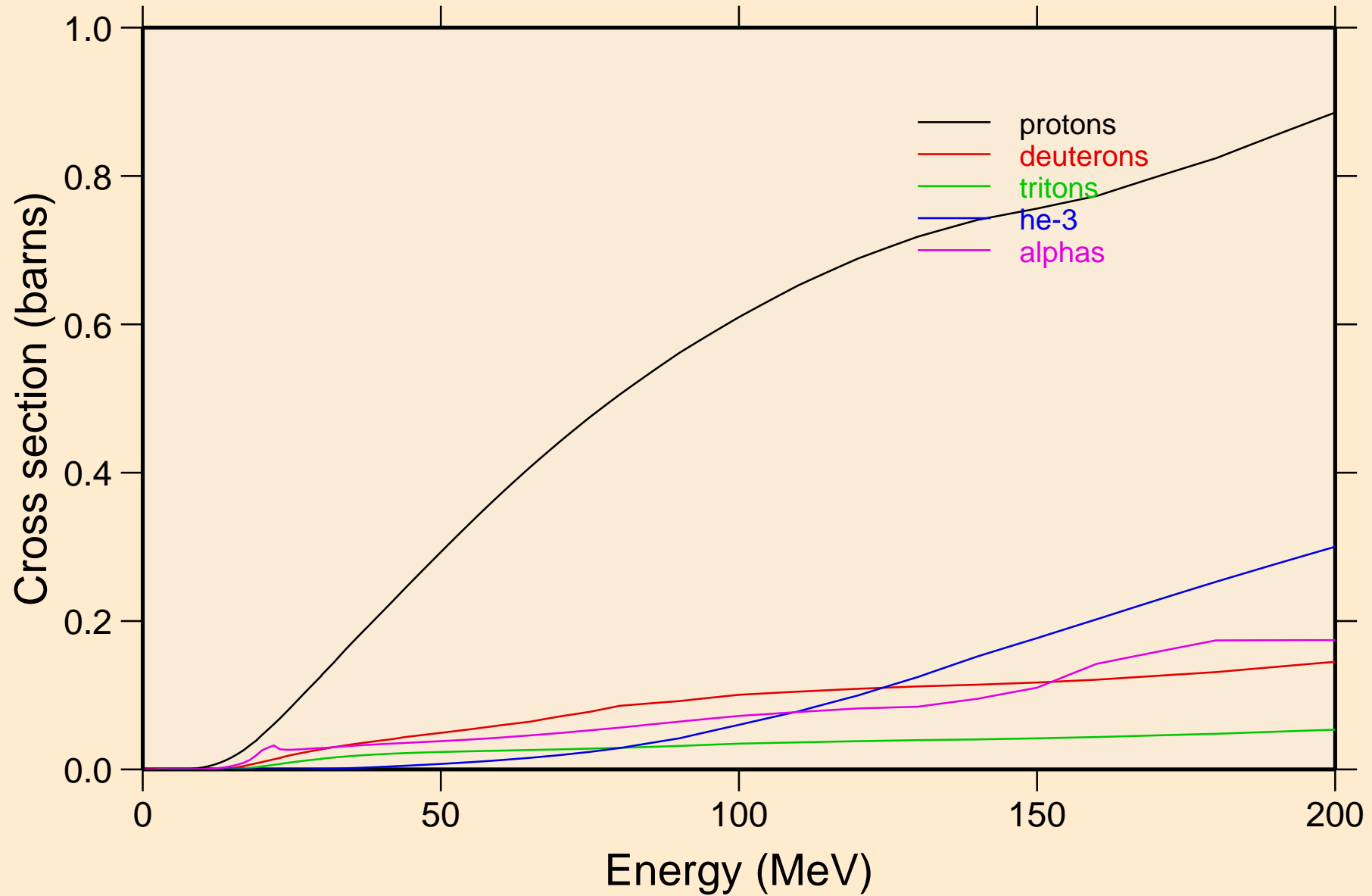
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Particle heating contributions



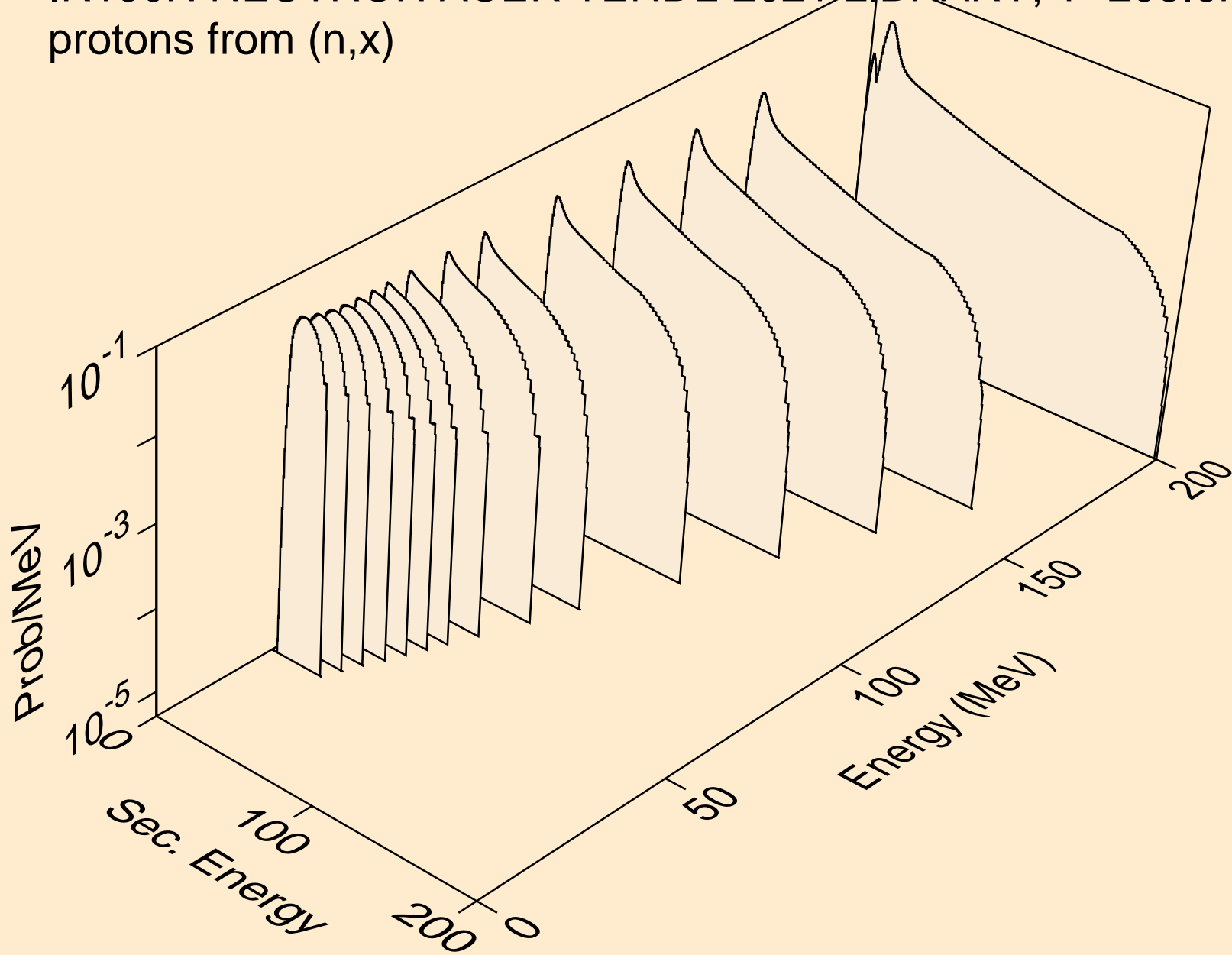
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

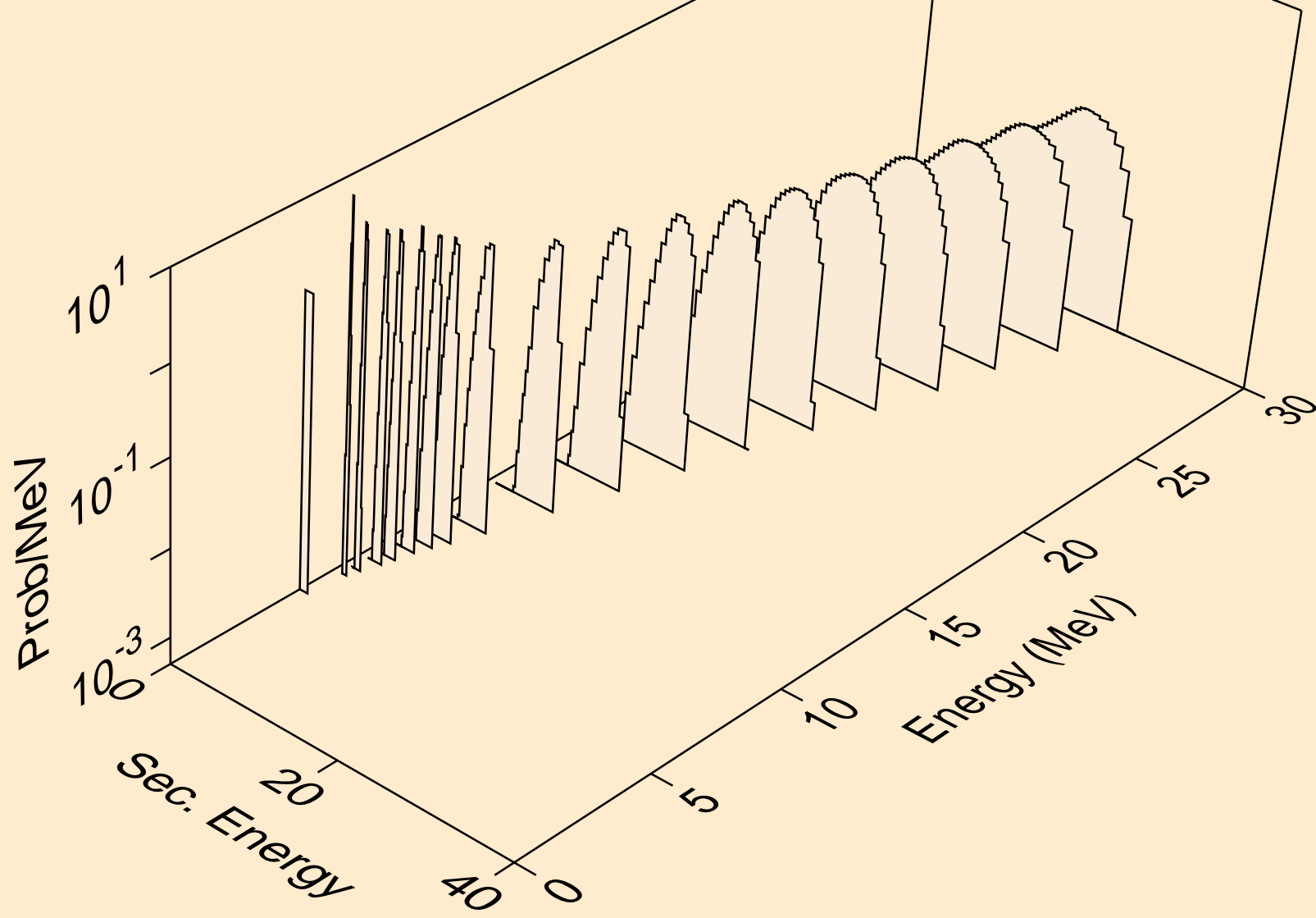


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

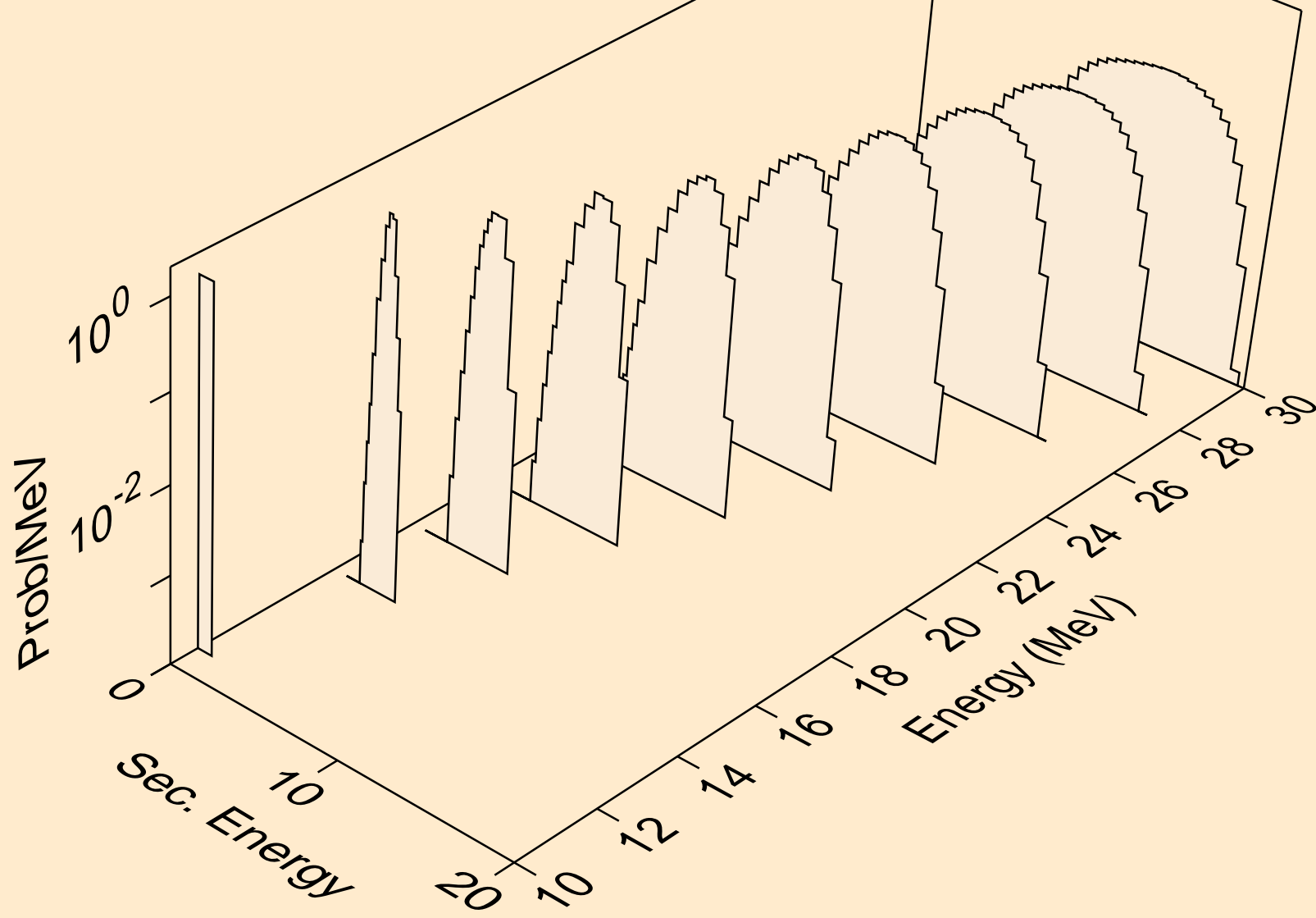




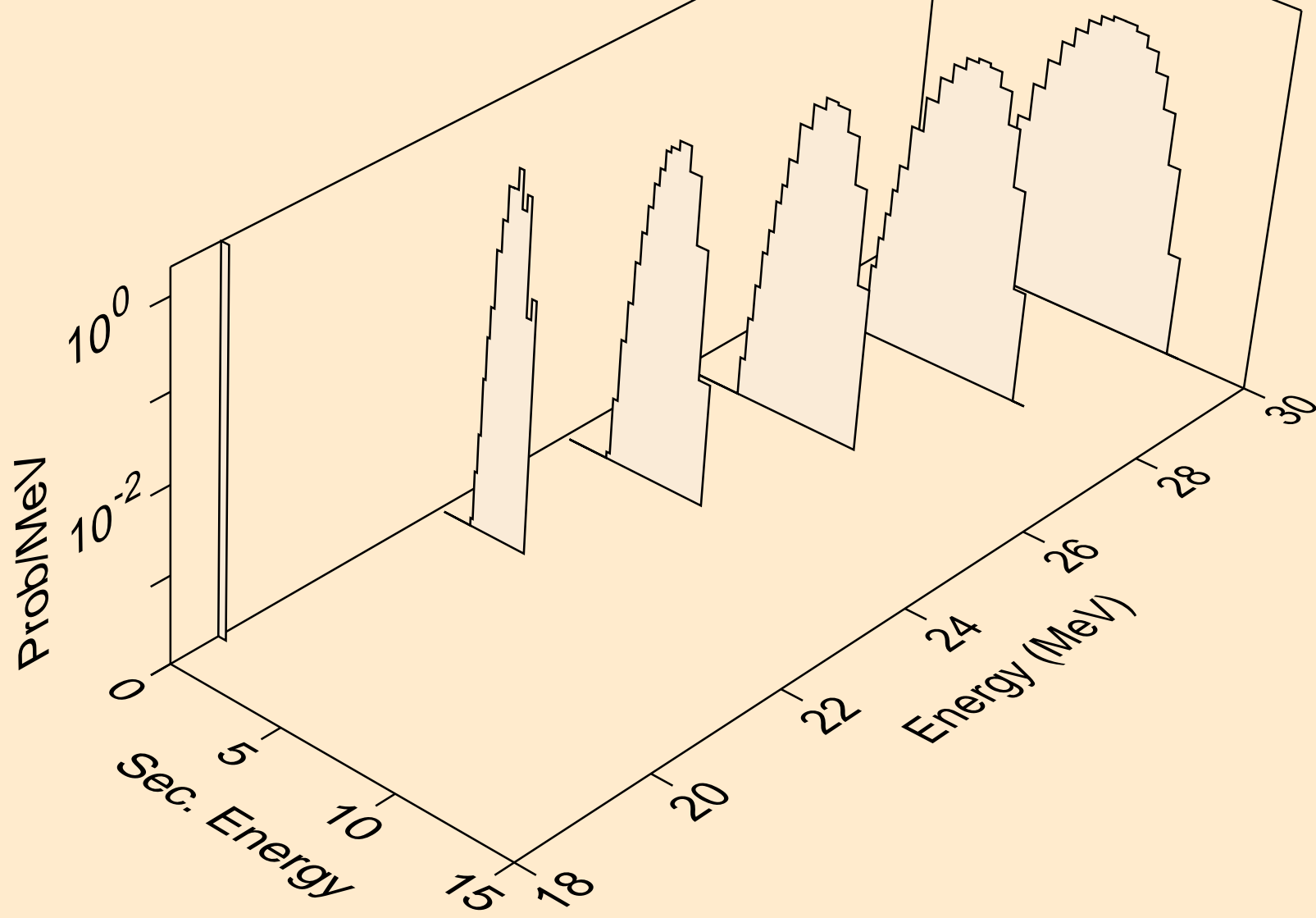
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protons from (n,n\*)p



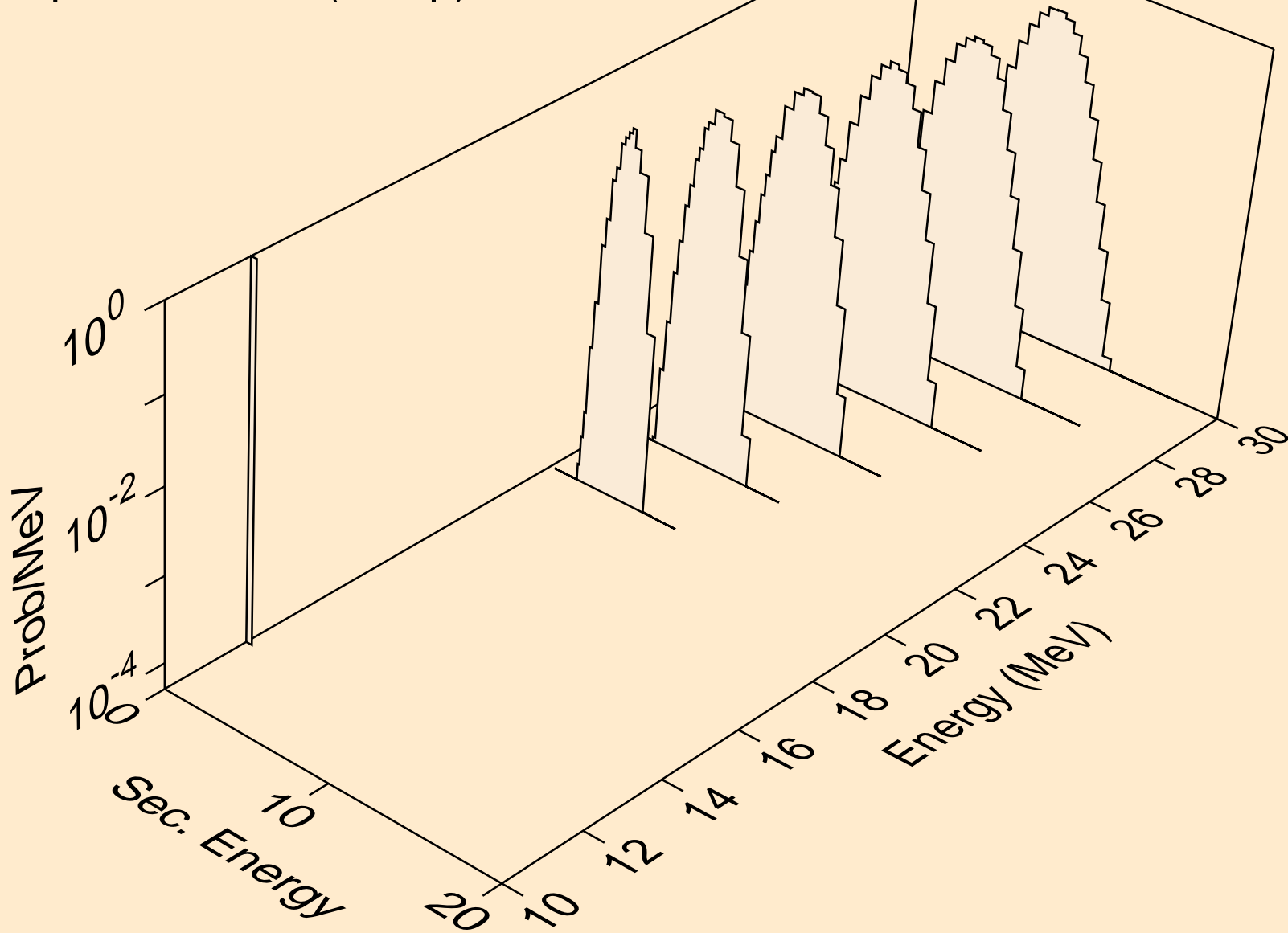
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protons from (n,2np)



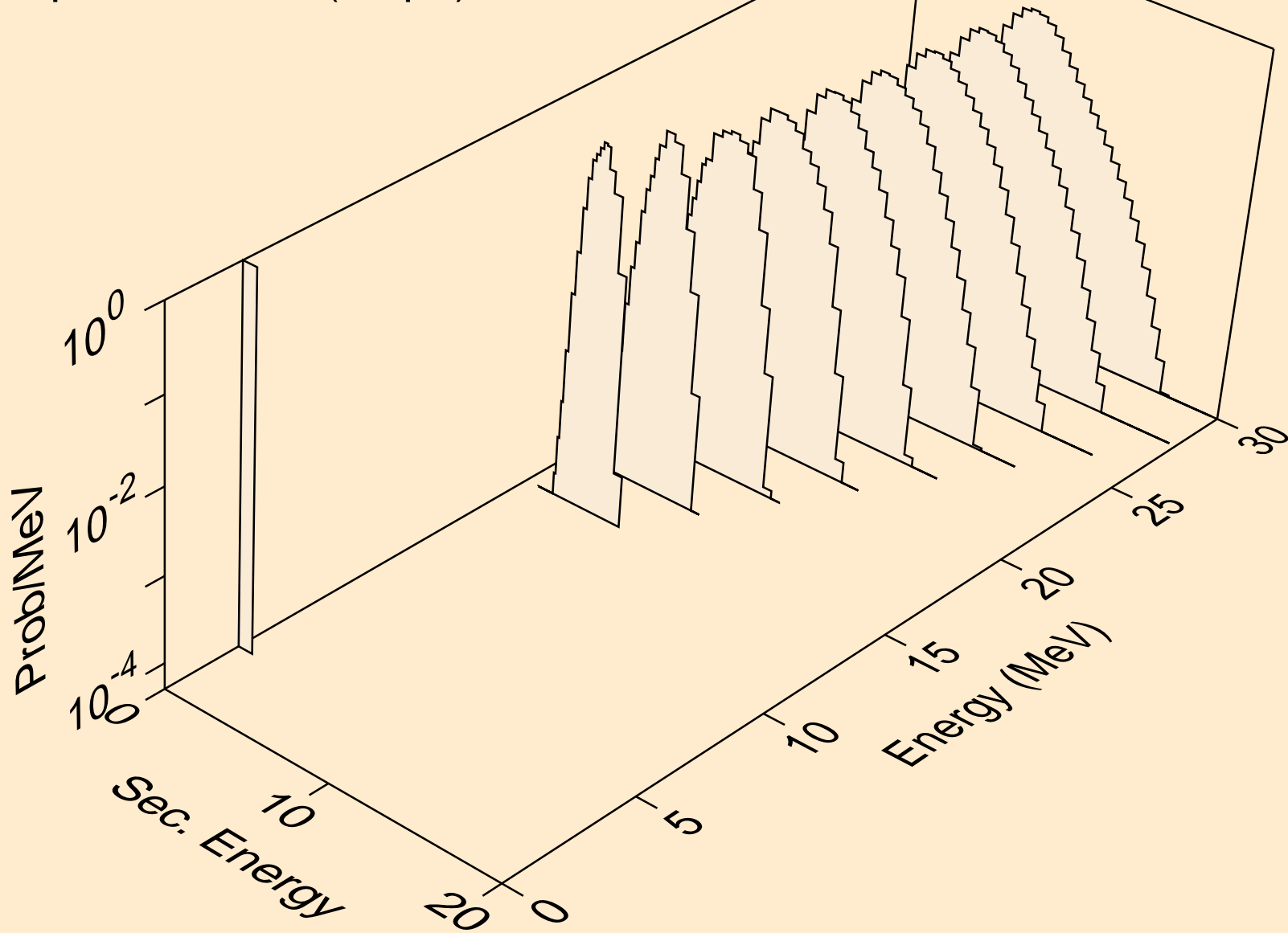
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protons from (n,3np)



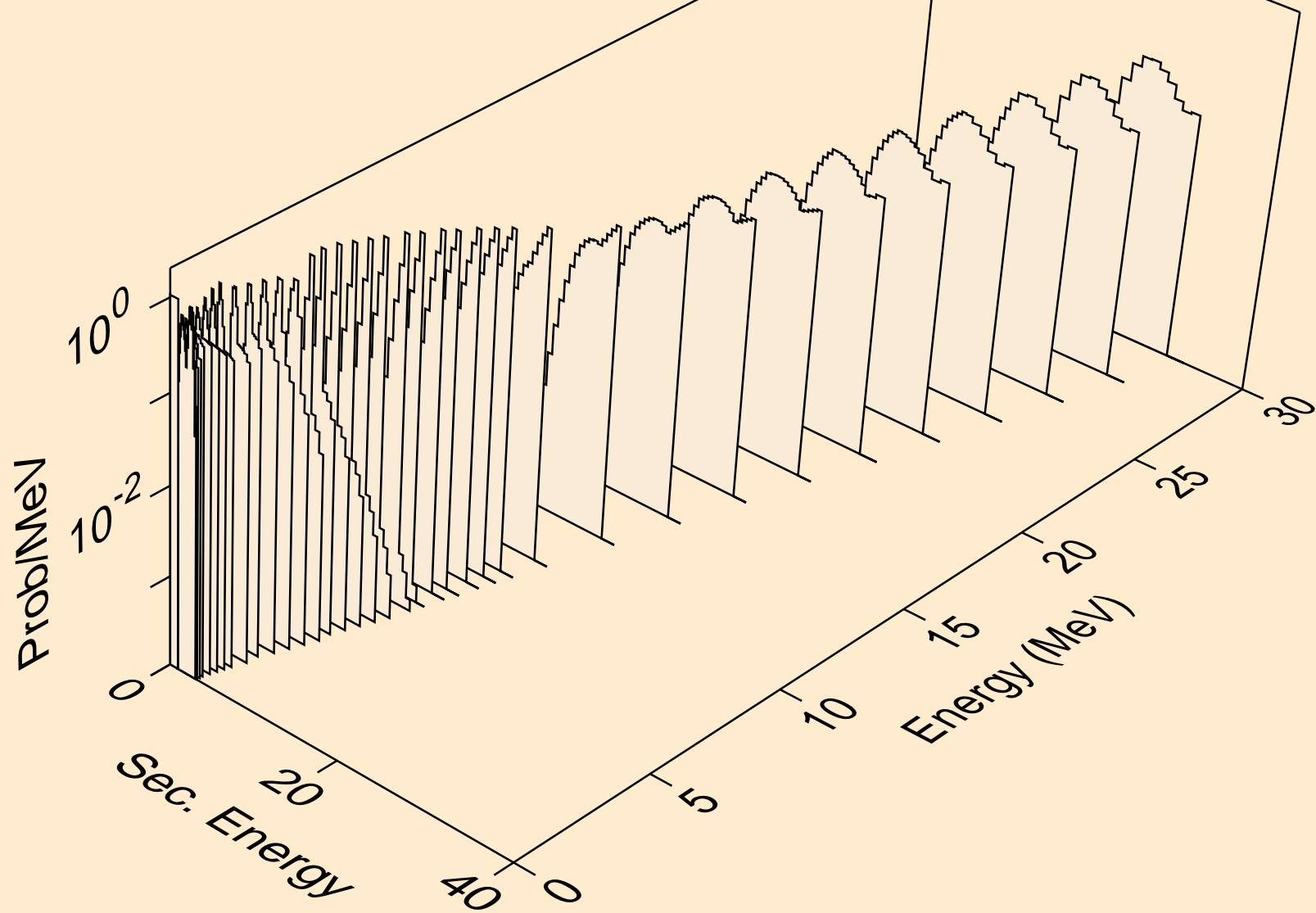
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protons from (n,2np)



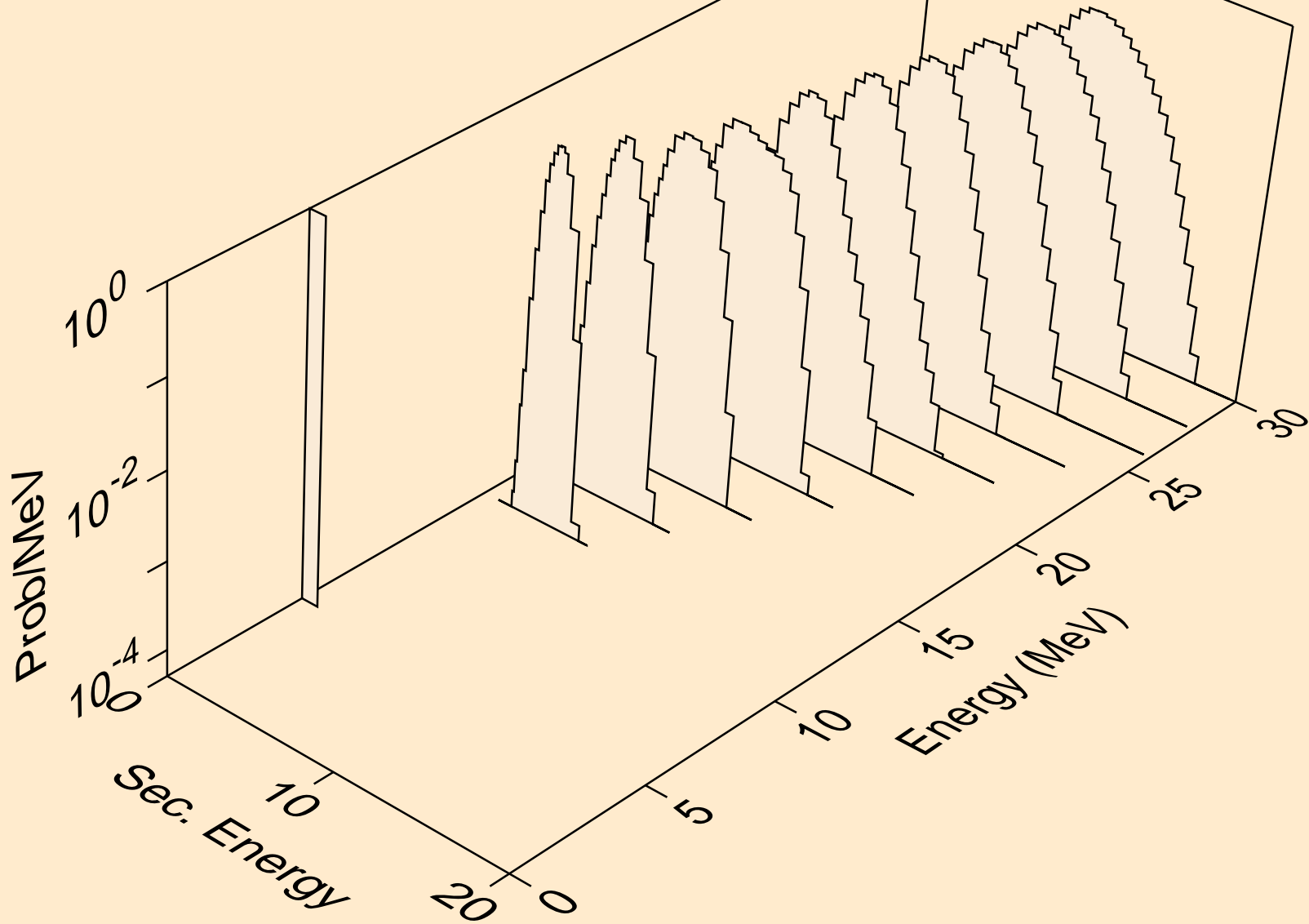
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protons from (n,npa)



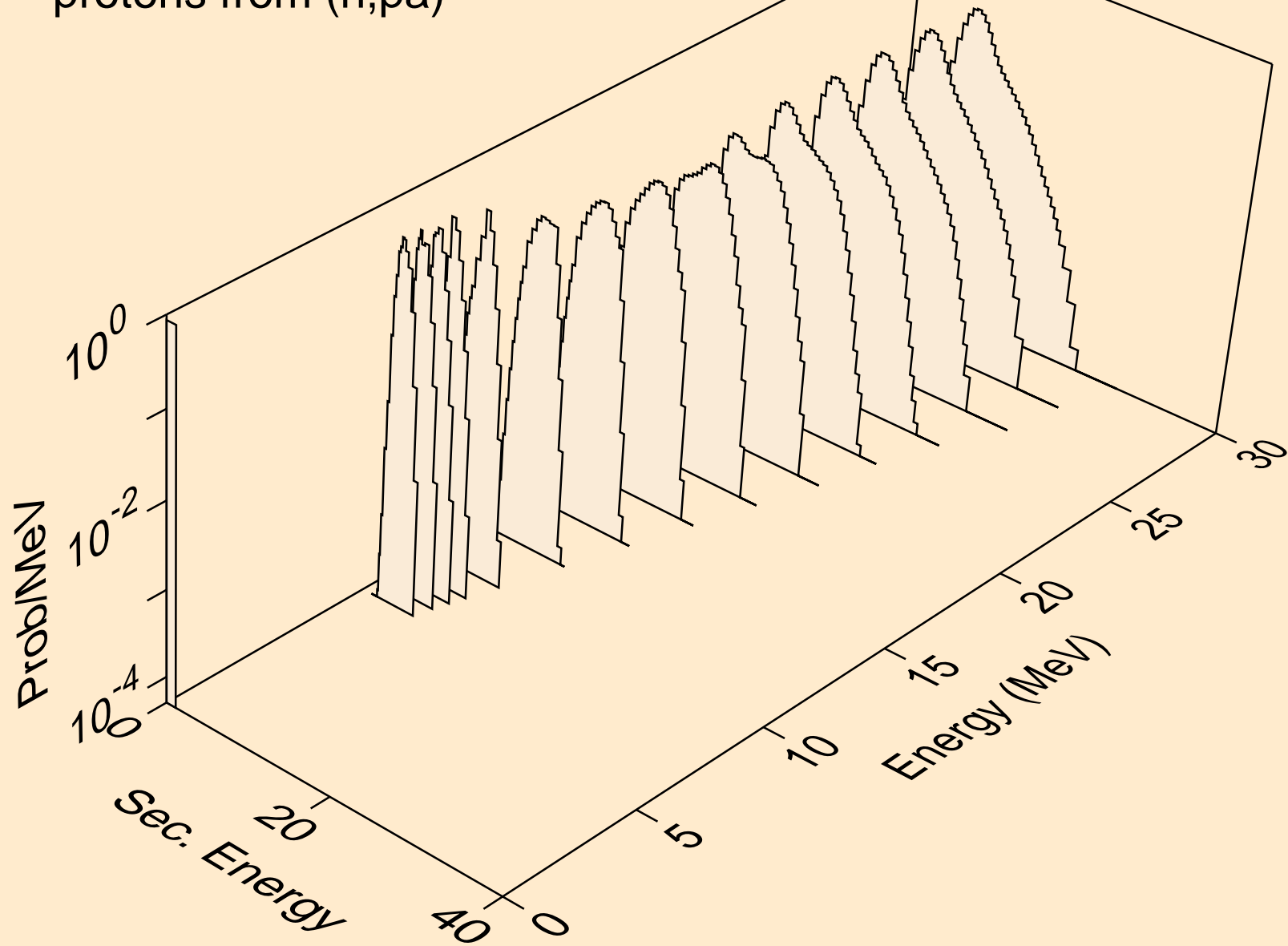
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protons from (n,p)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)

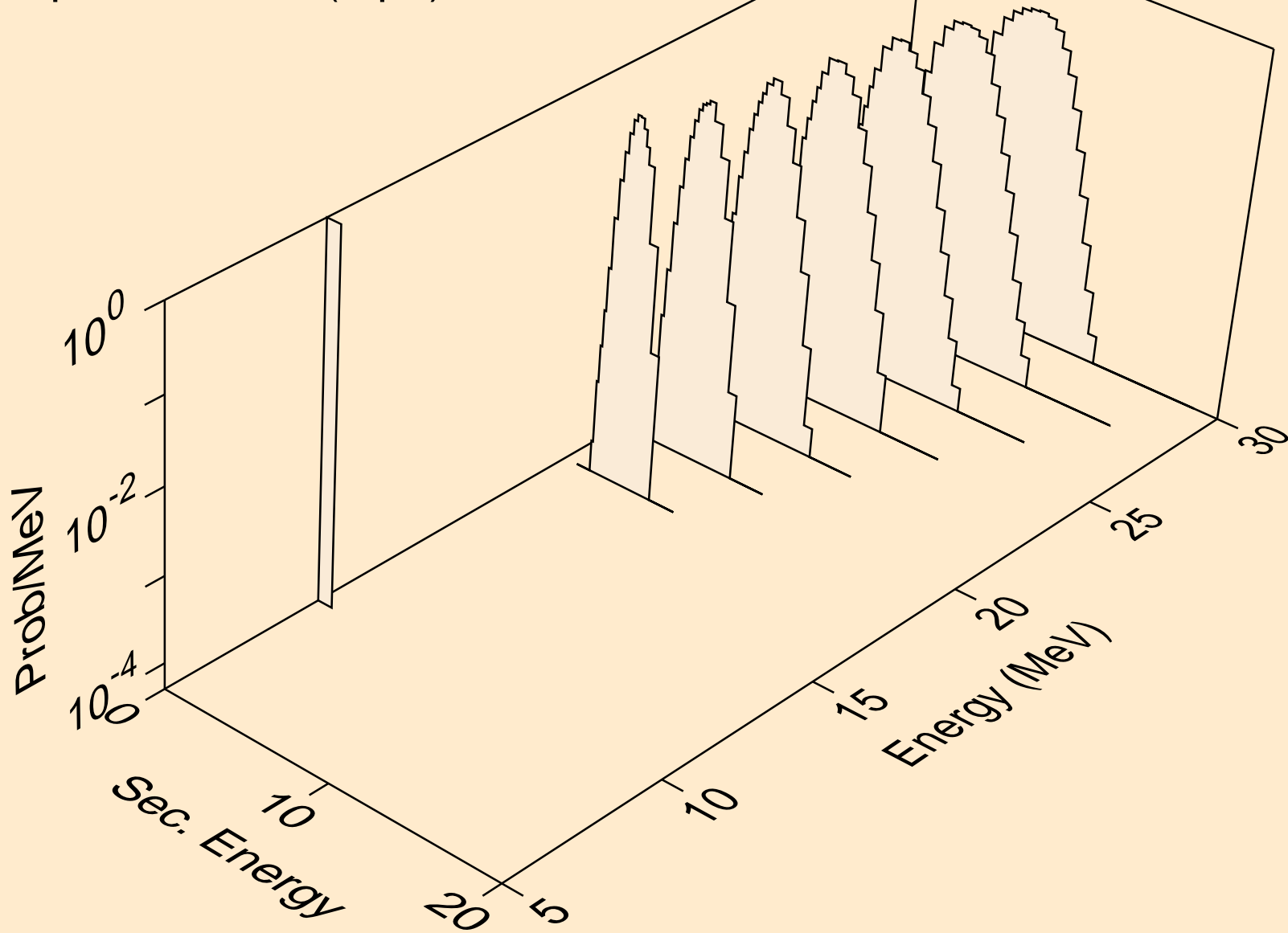


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protons from (n,p)

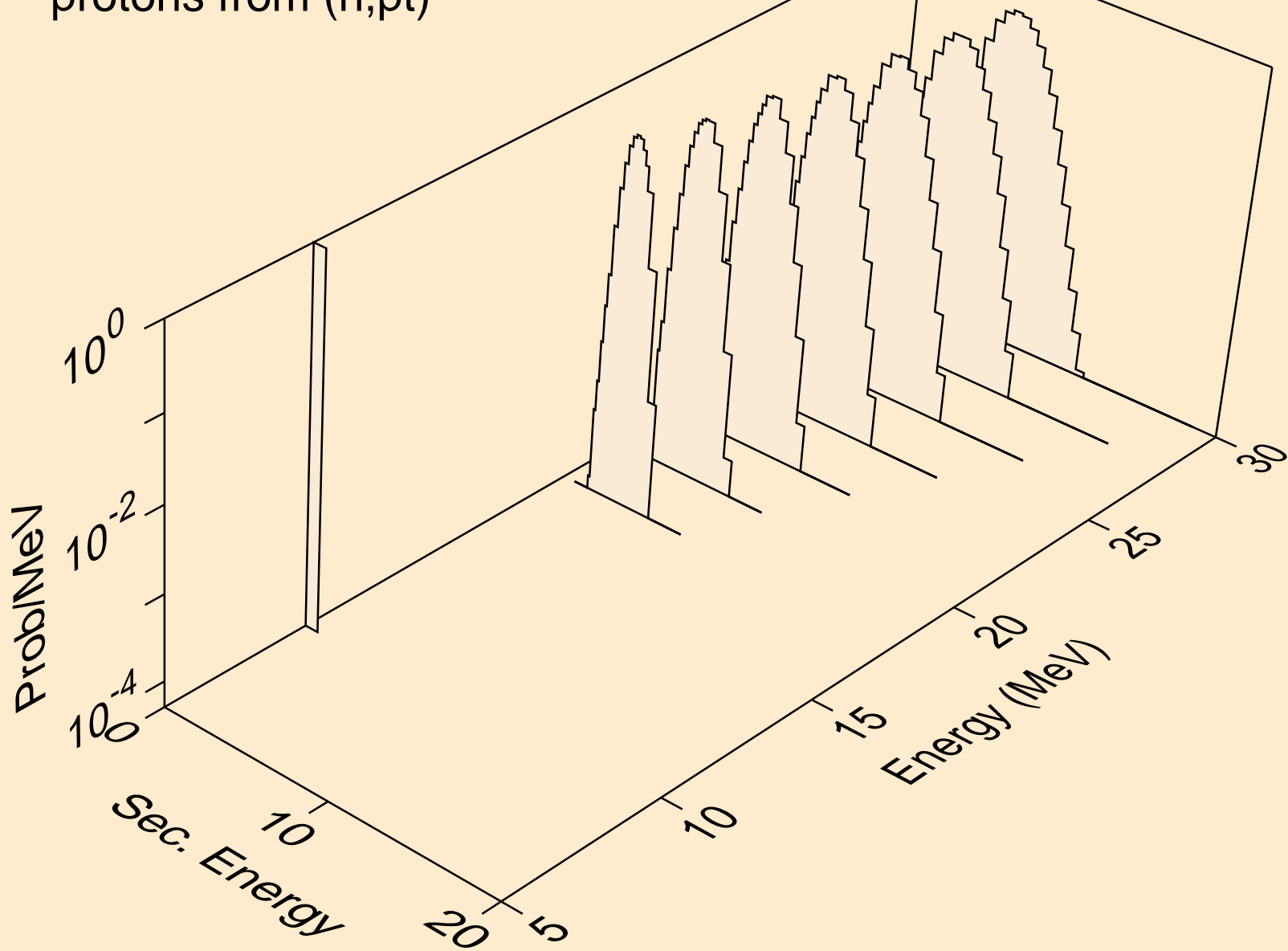




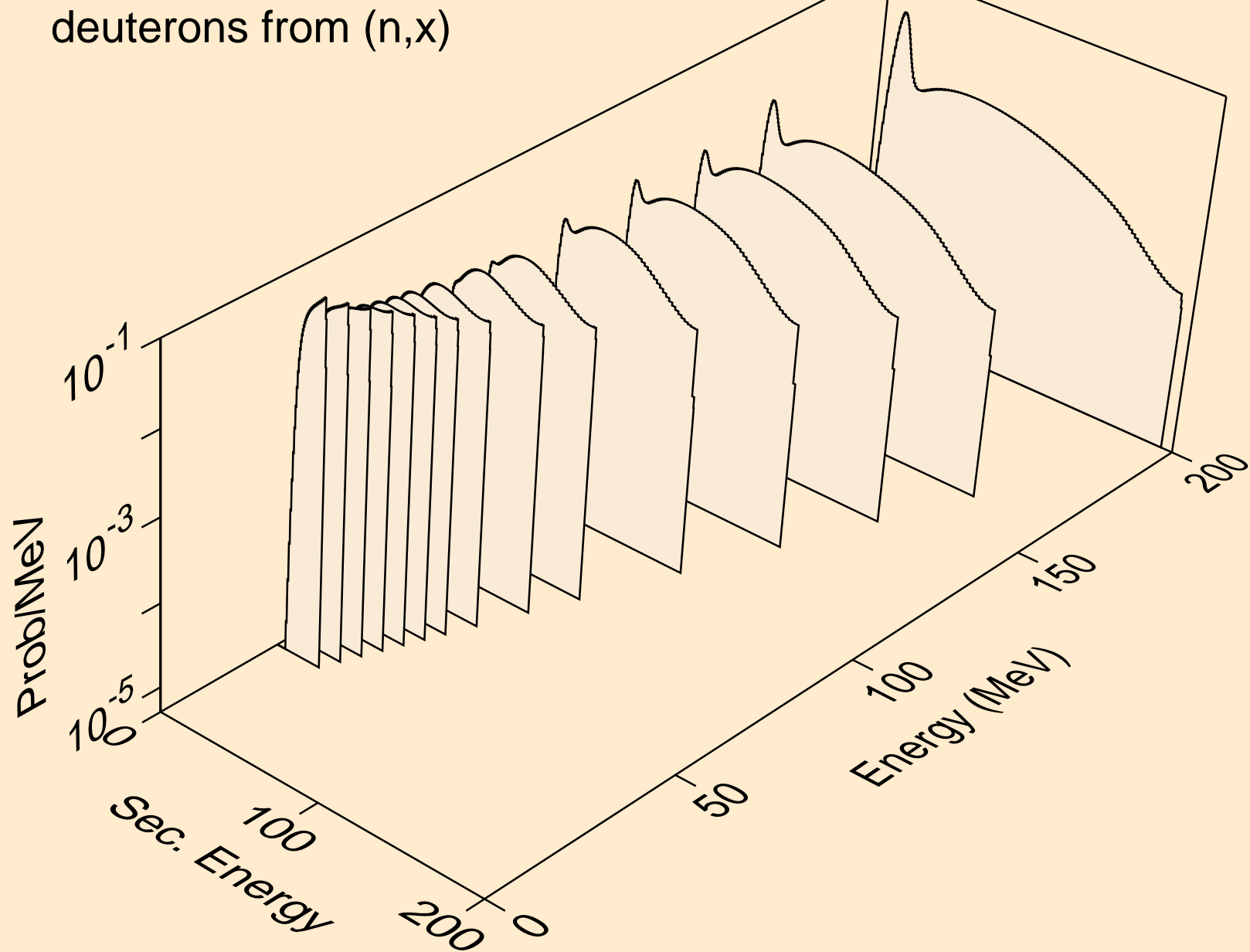
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protons from (n,pd)



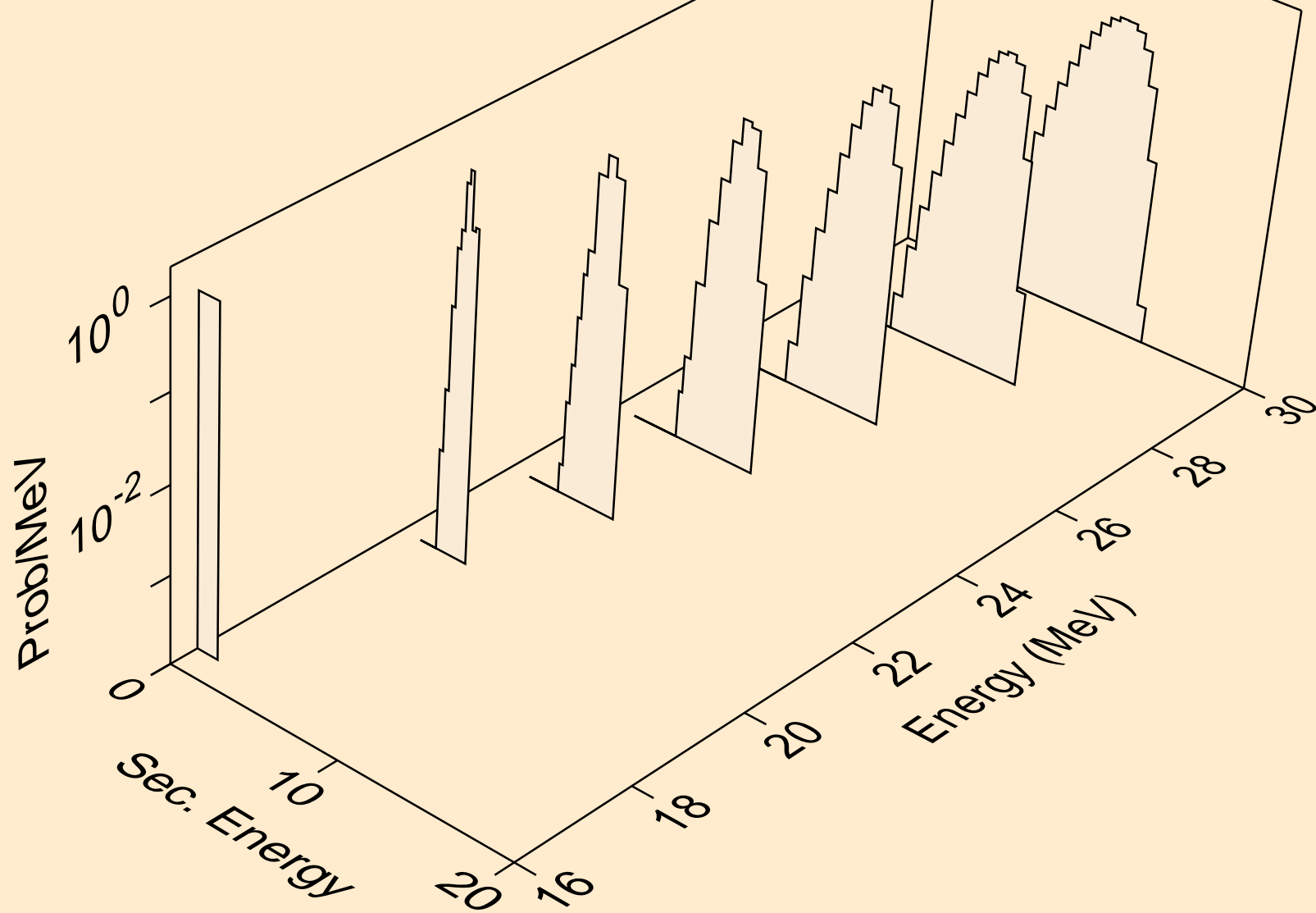
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protons from (n,pt)



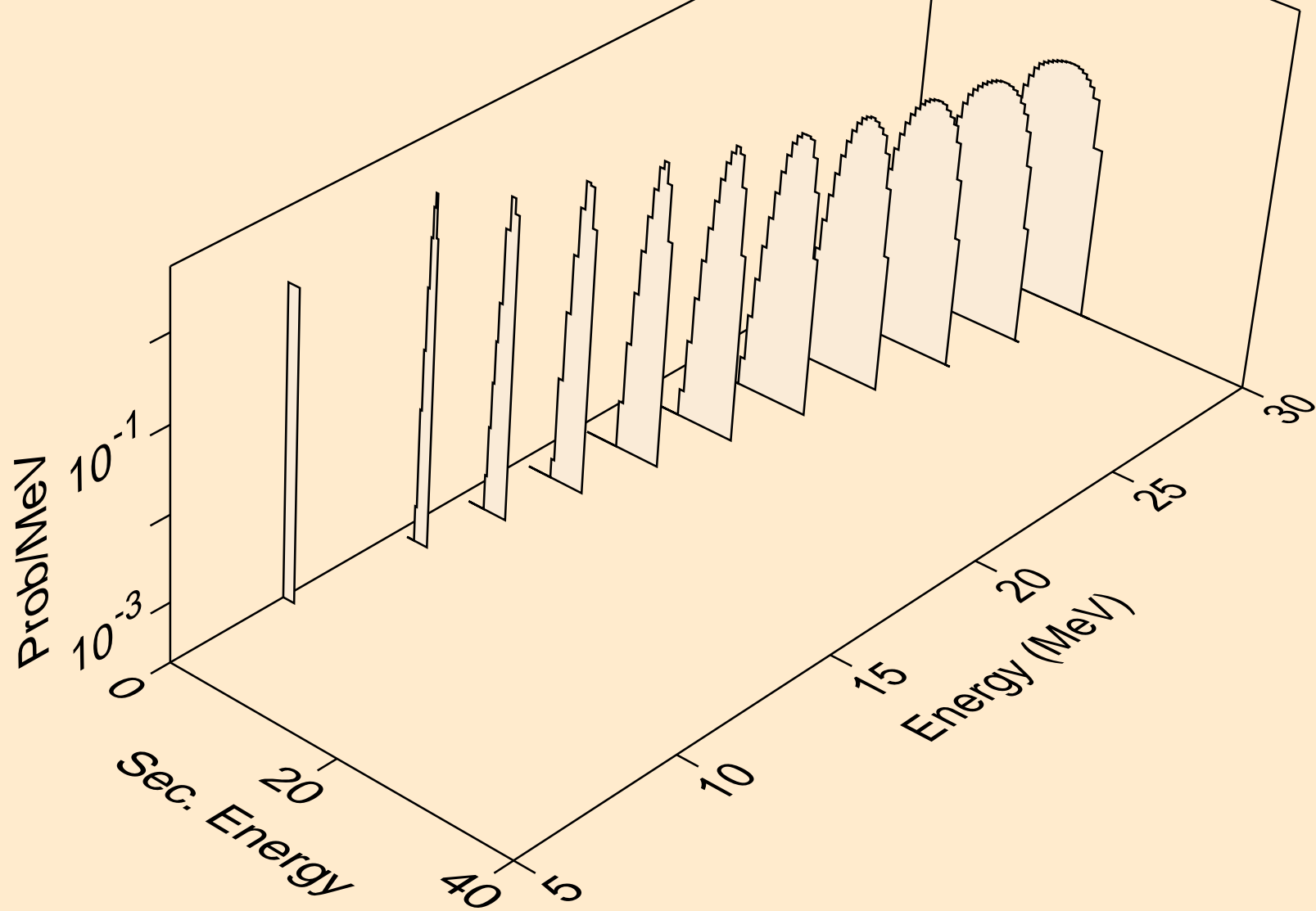
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deuterons from (n,x)



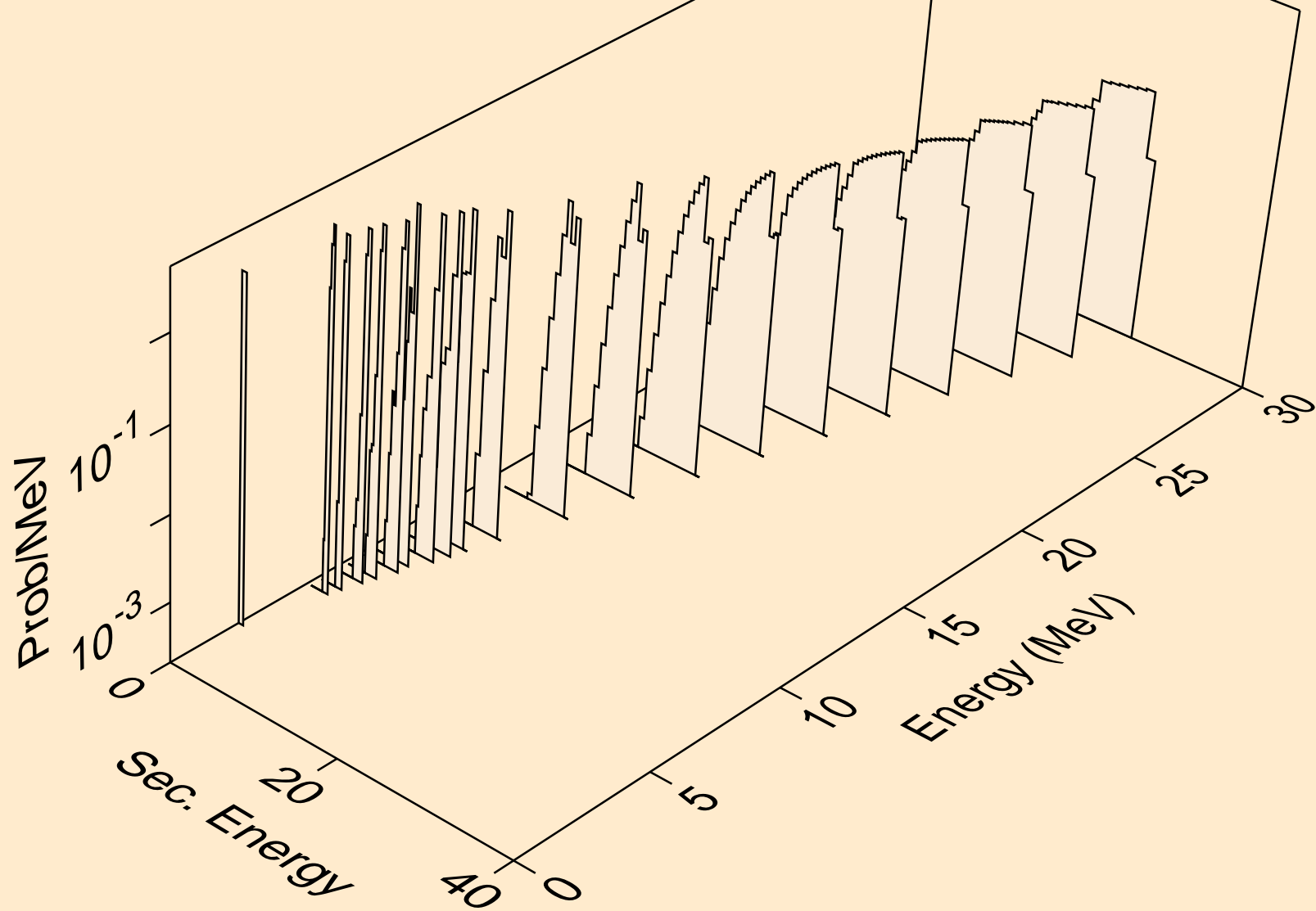
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



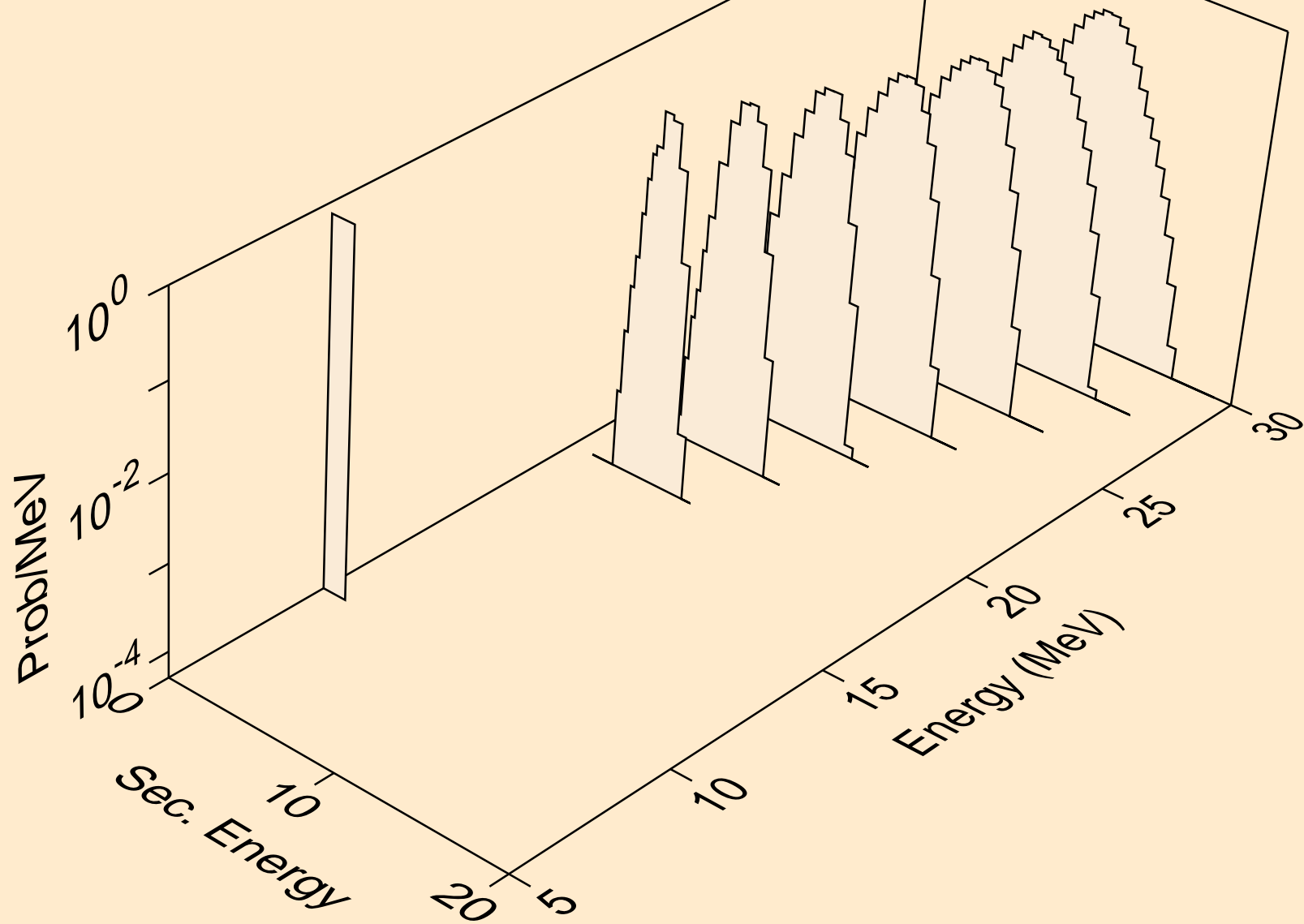
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



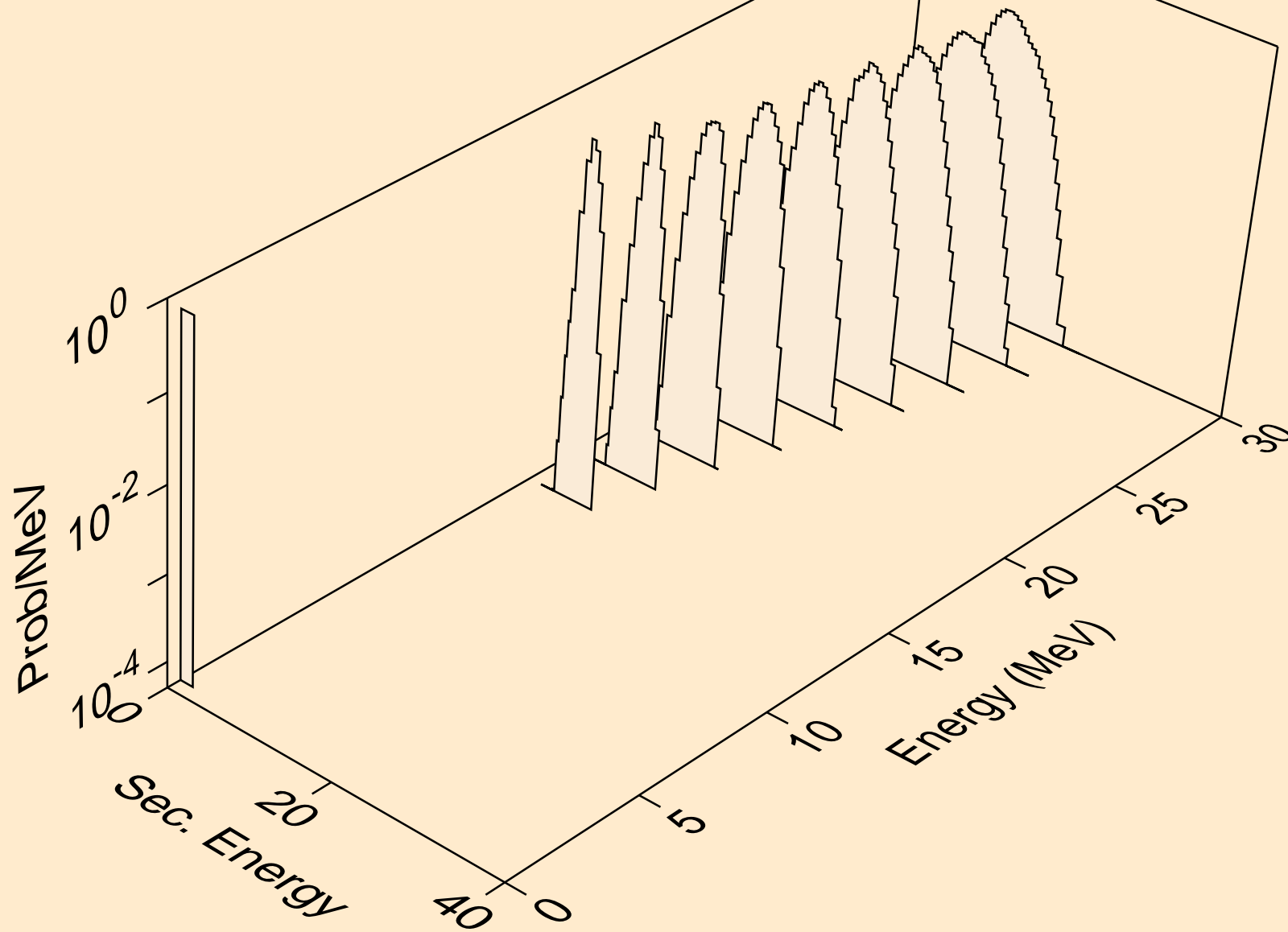
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

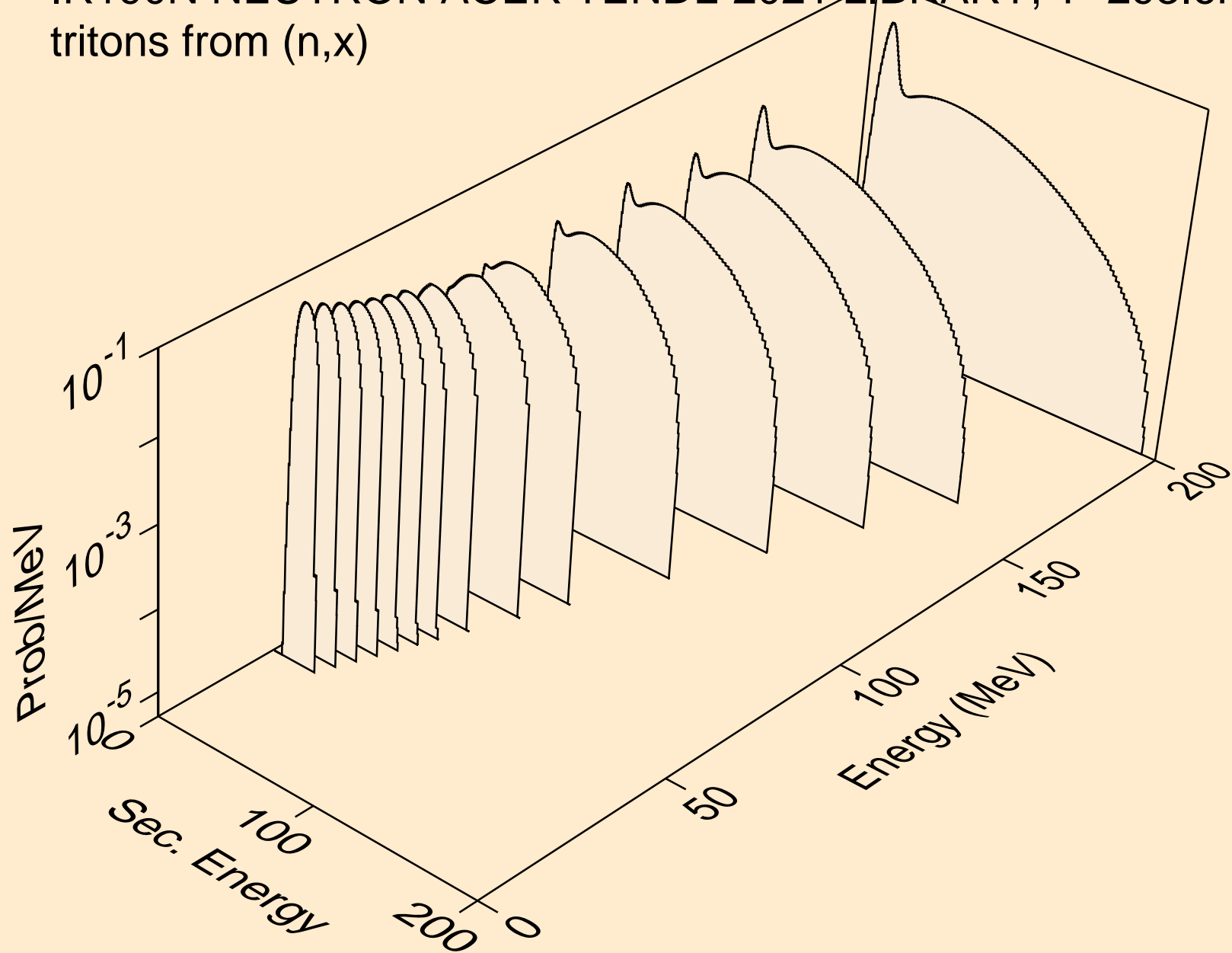


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

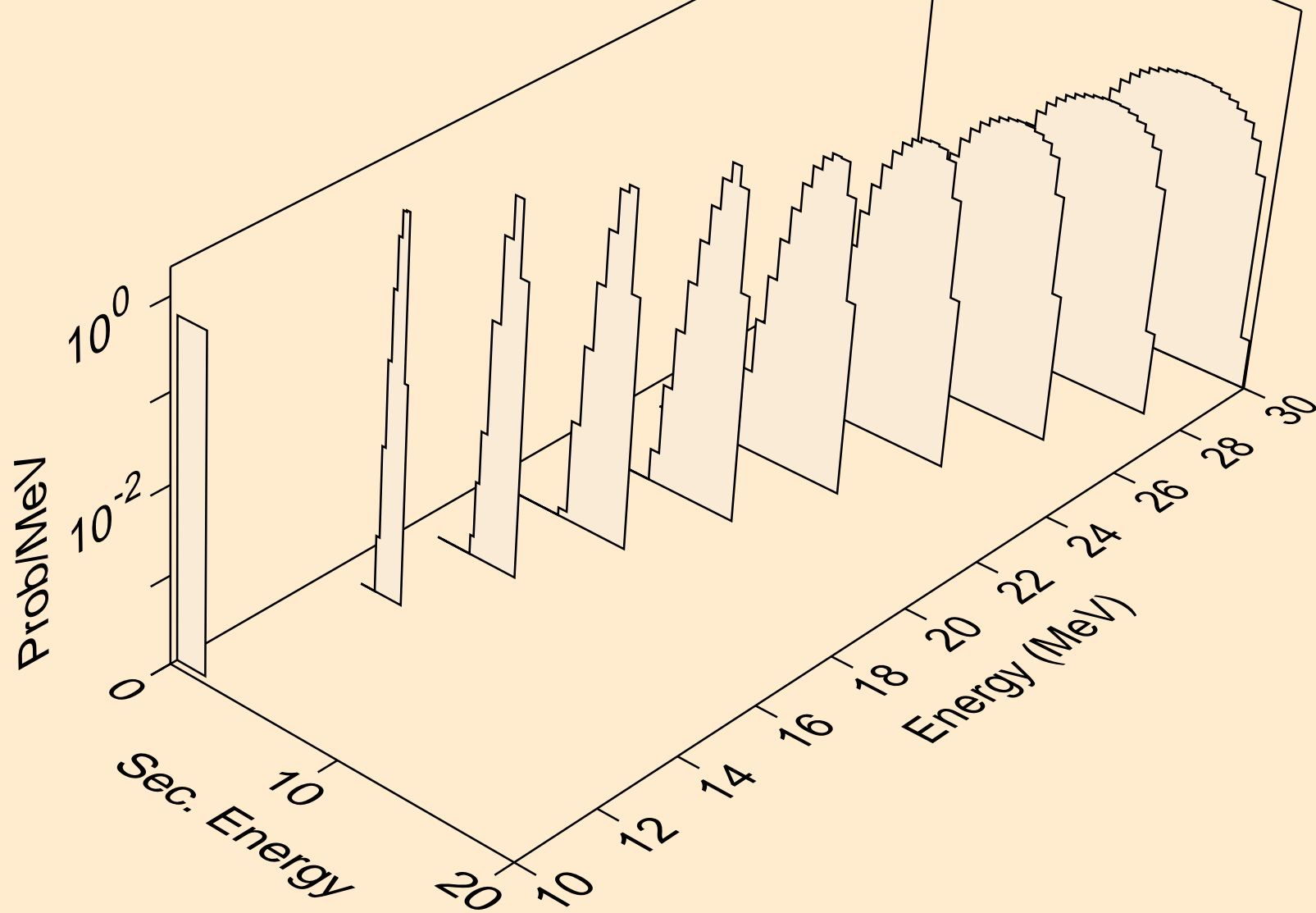




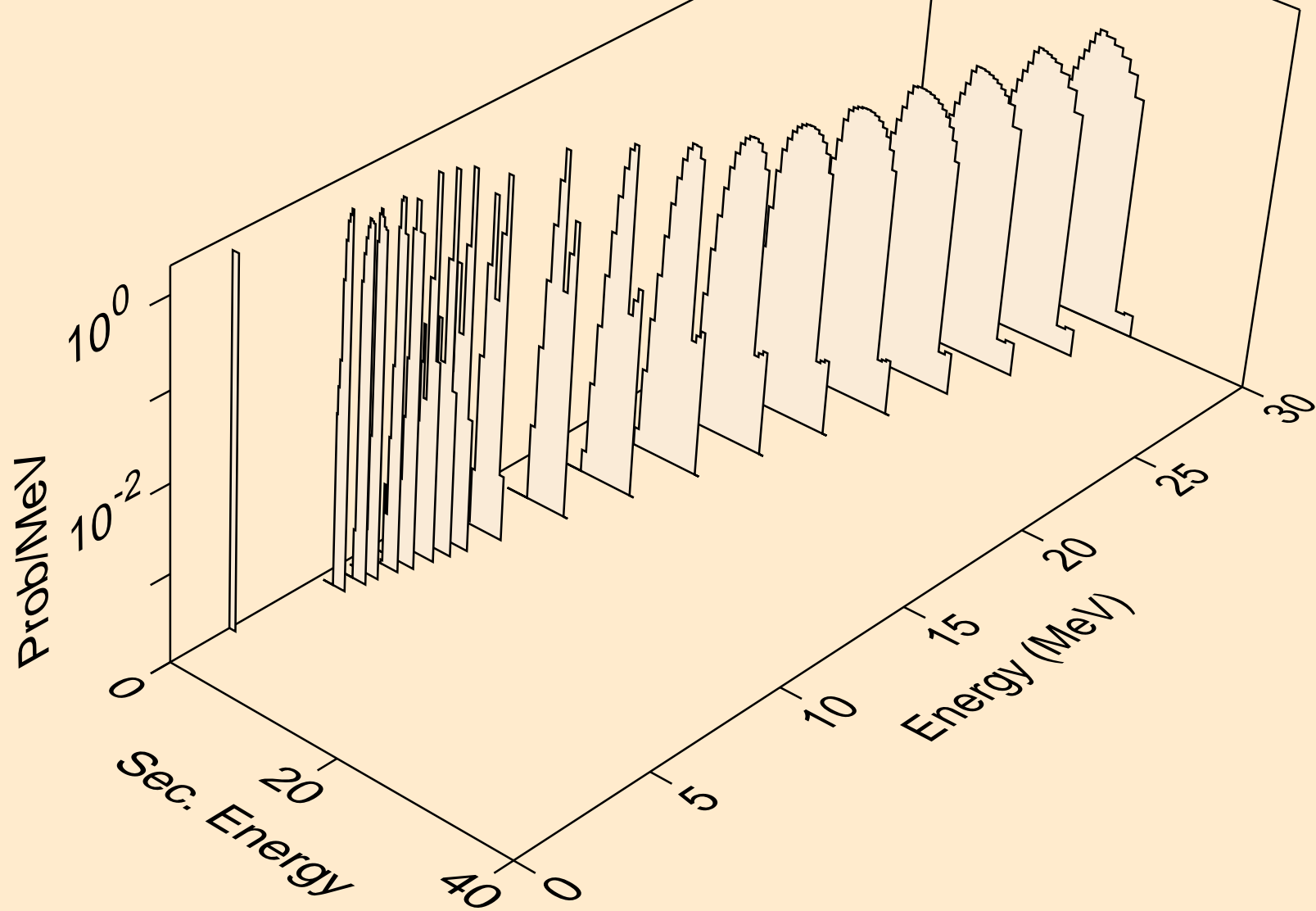
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



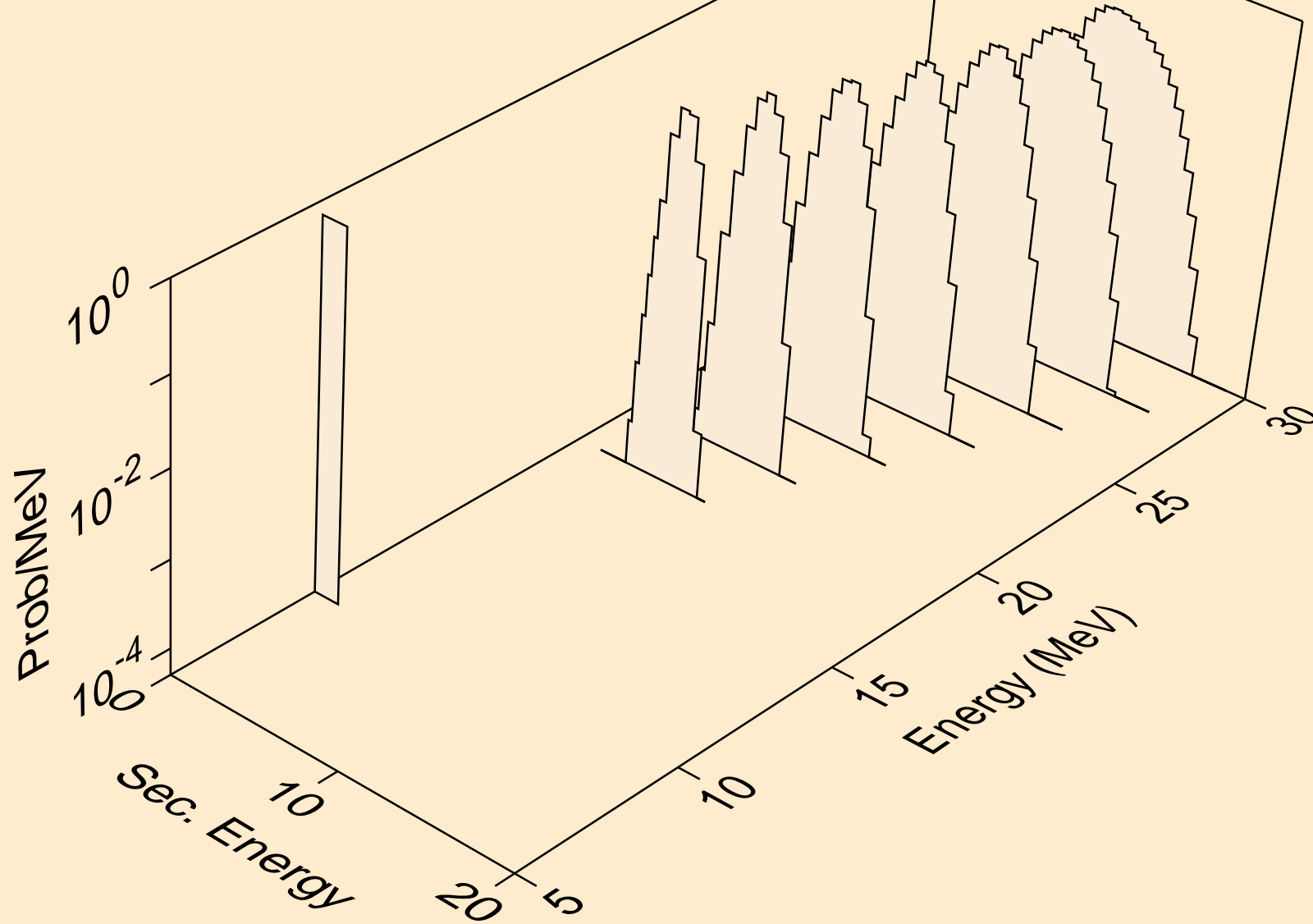
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



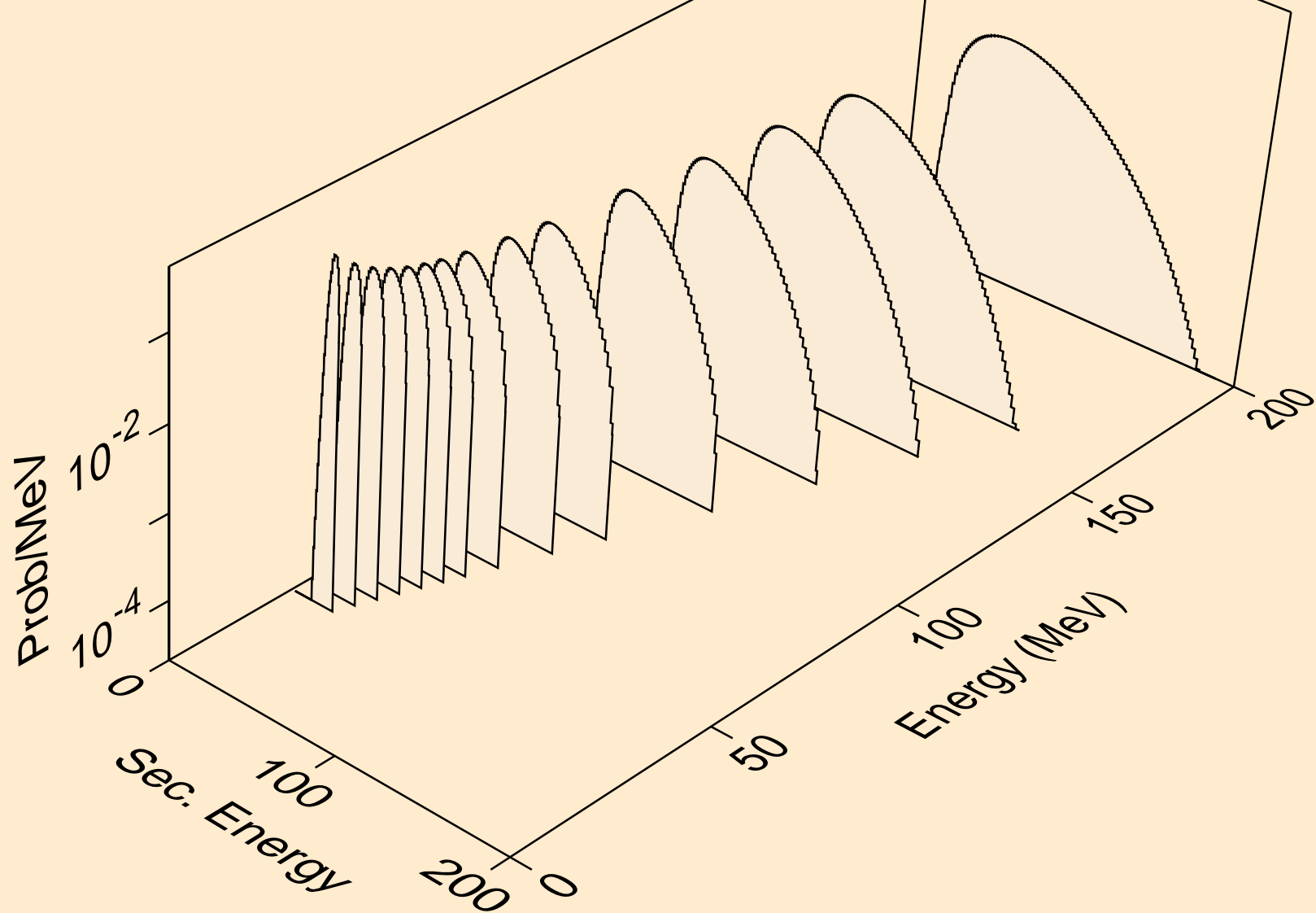
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tritons from (n,t)



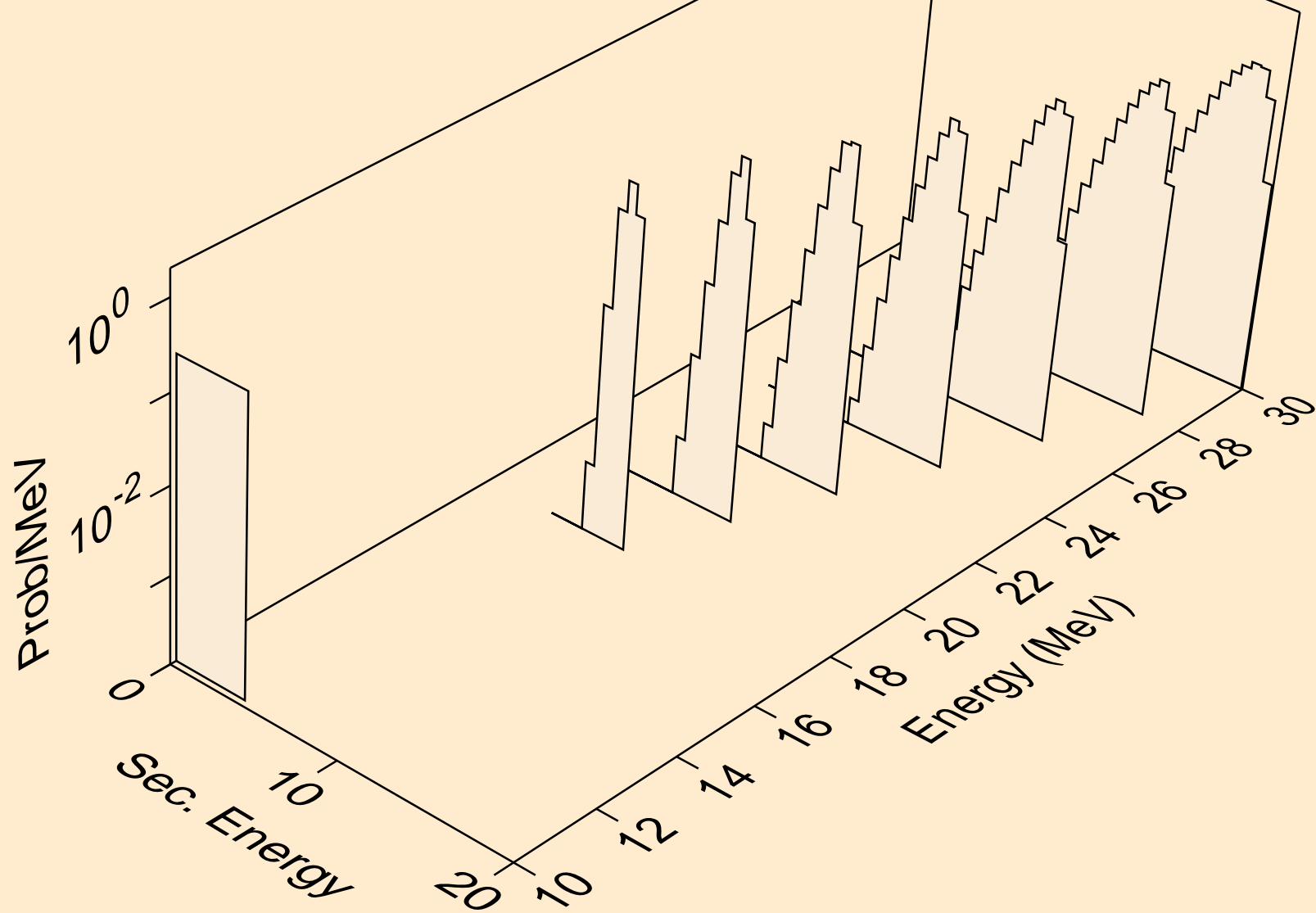
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tritons from (n,pt)



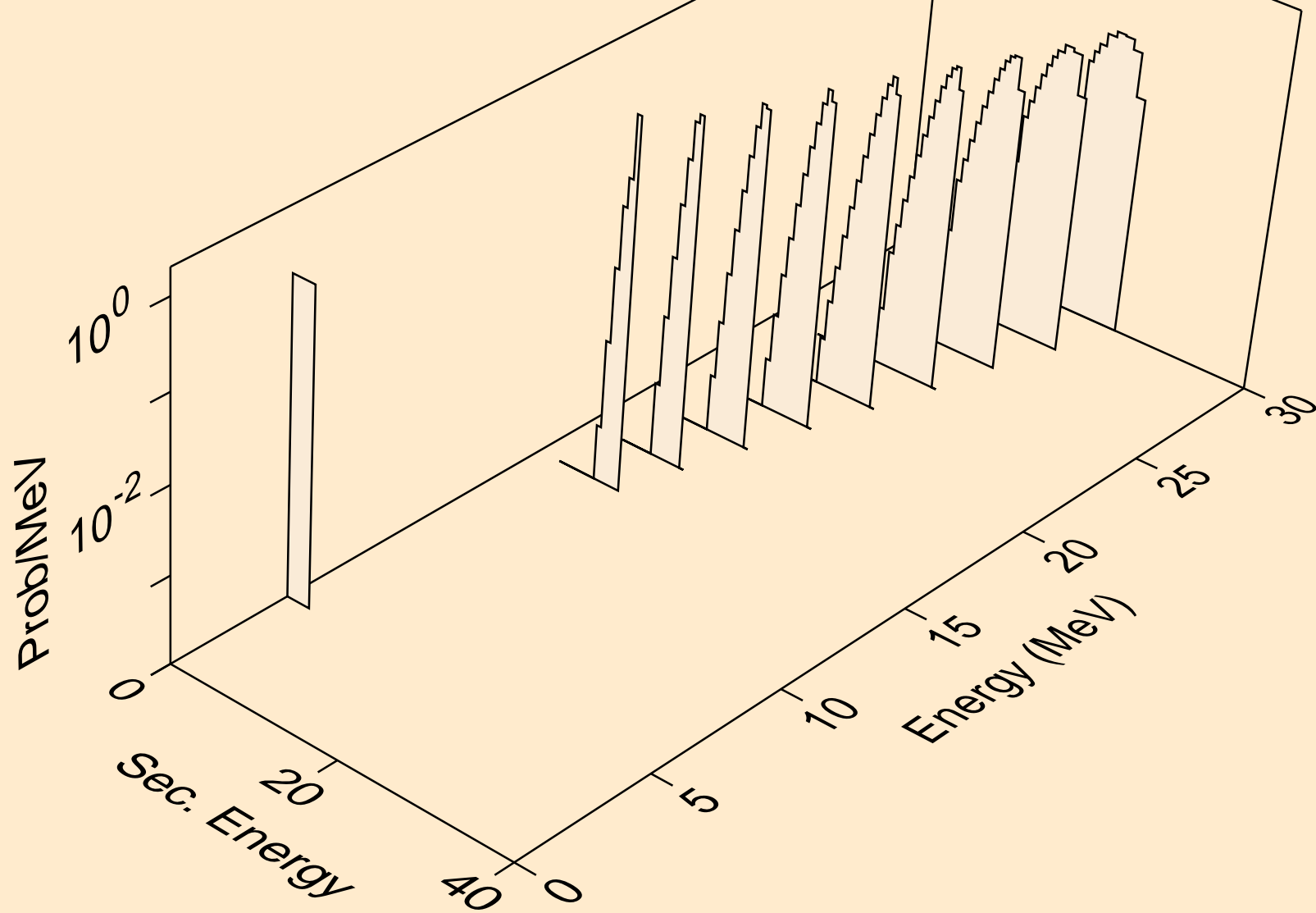
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



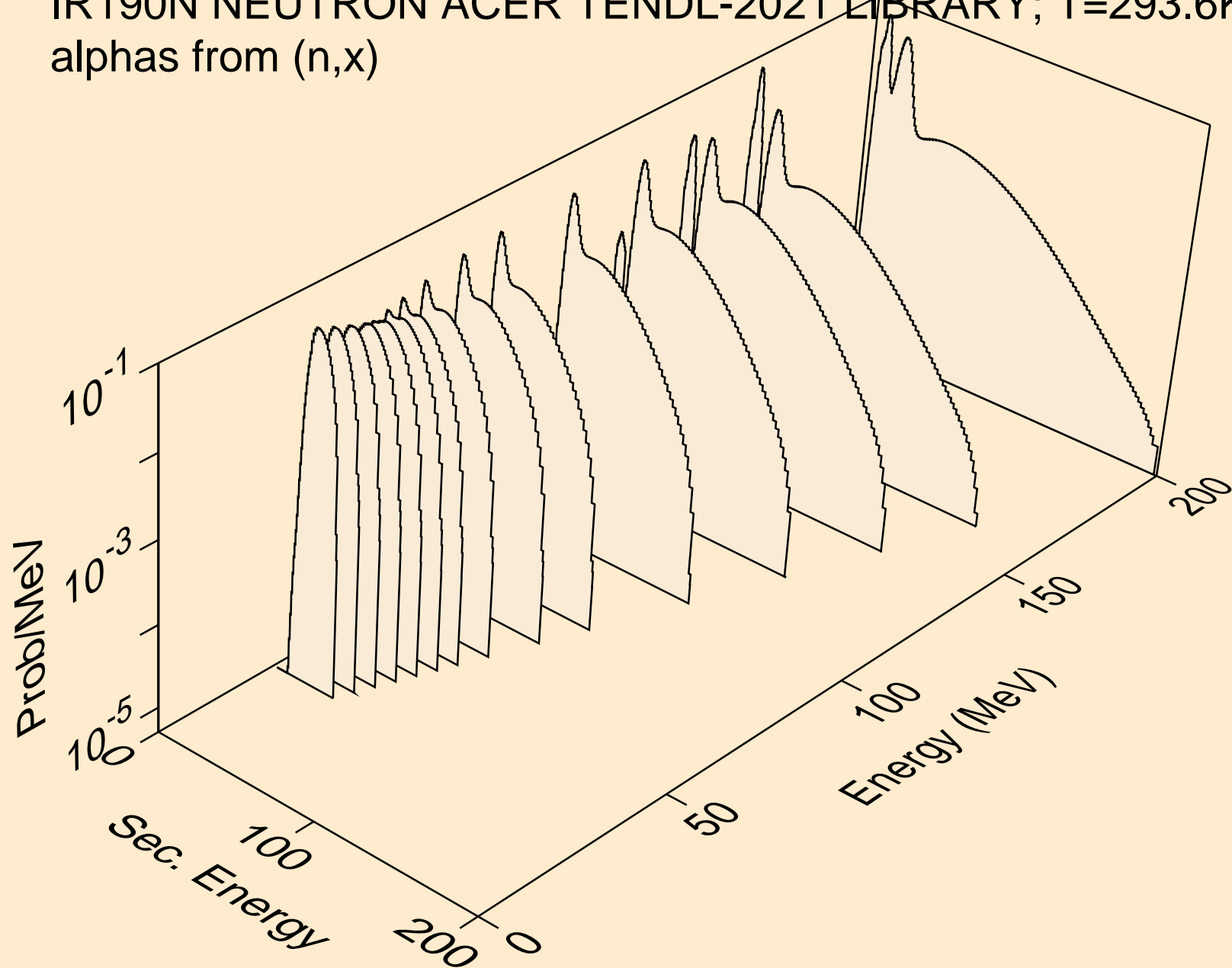
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

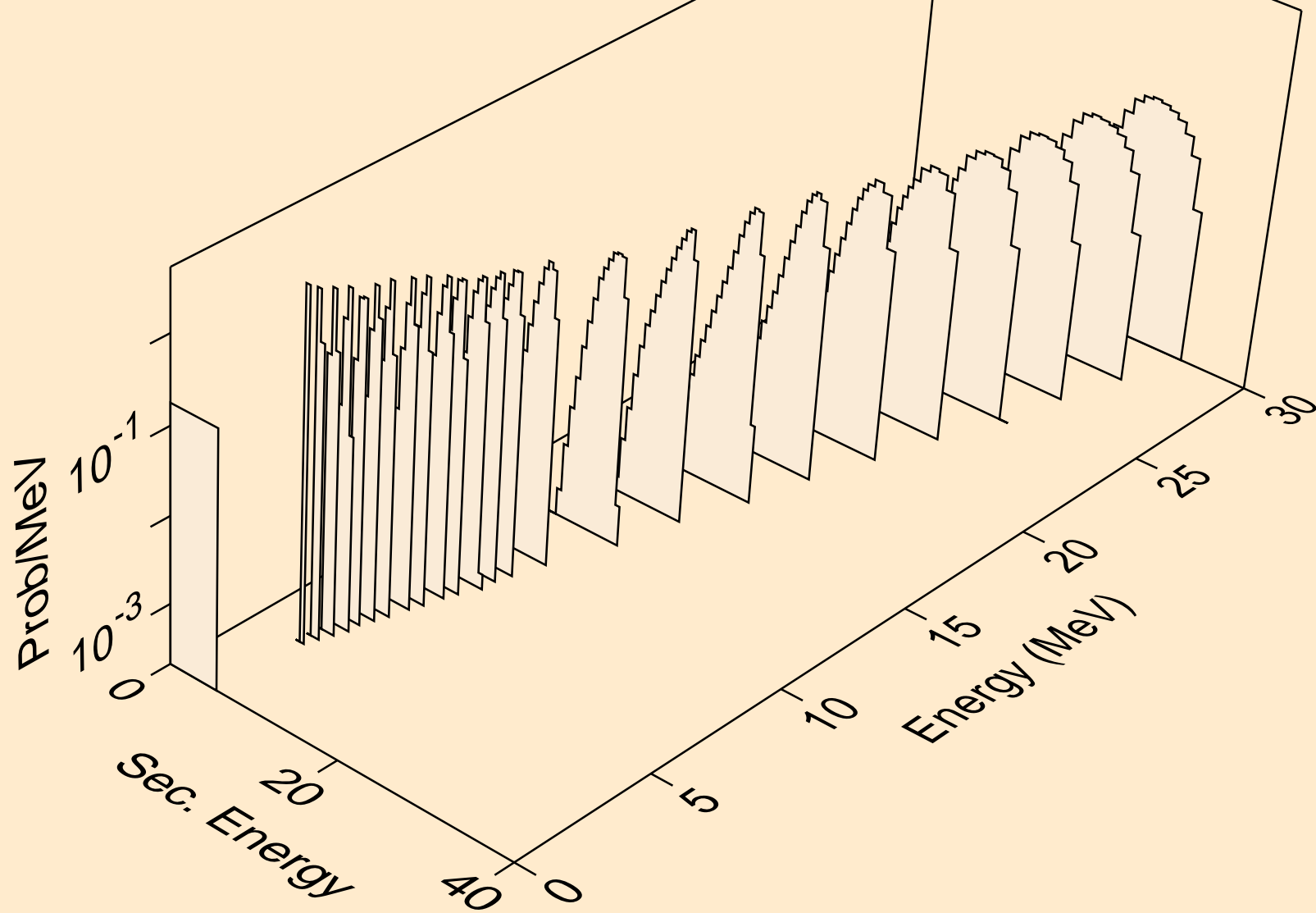


IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

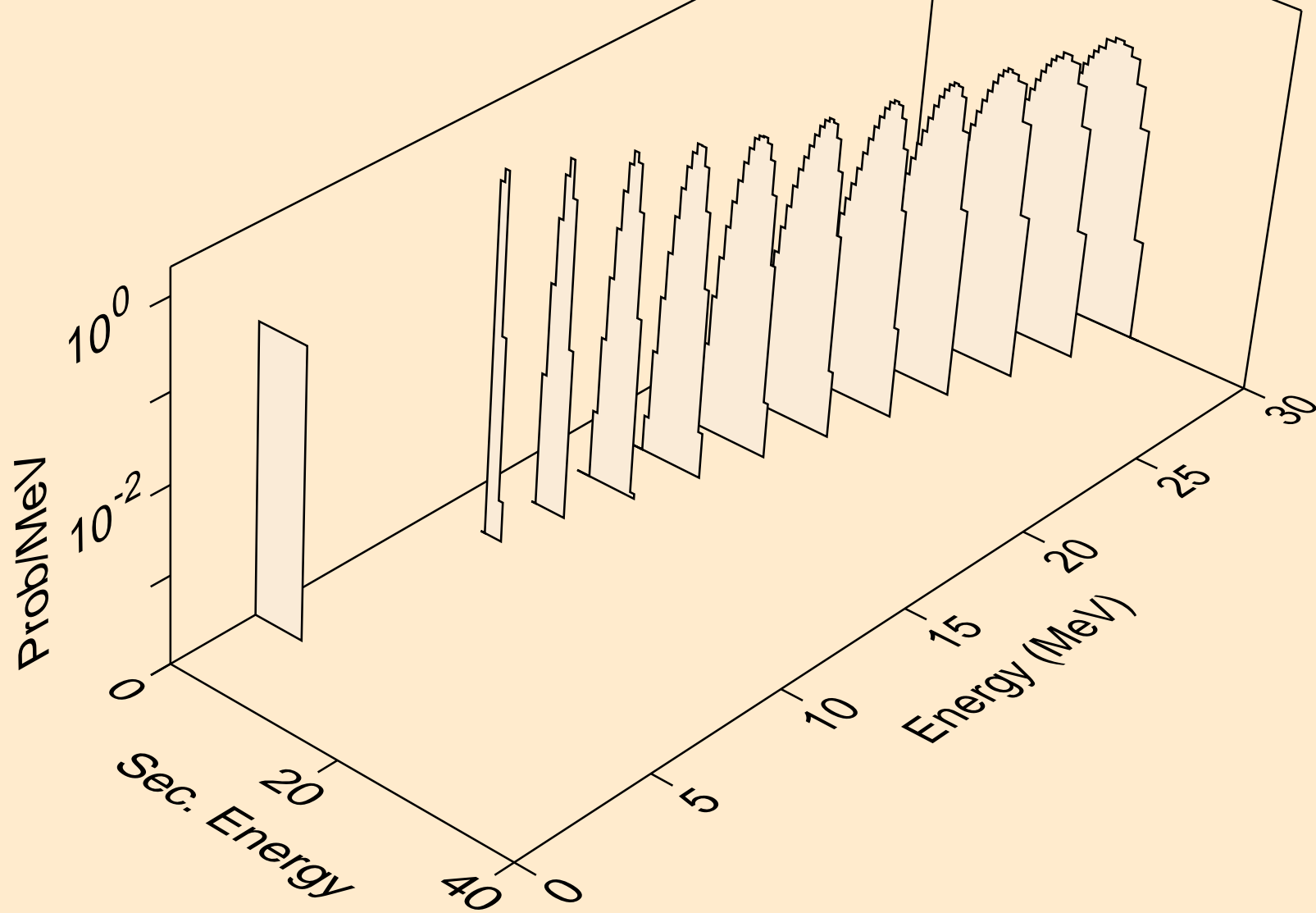




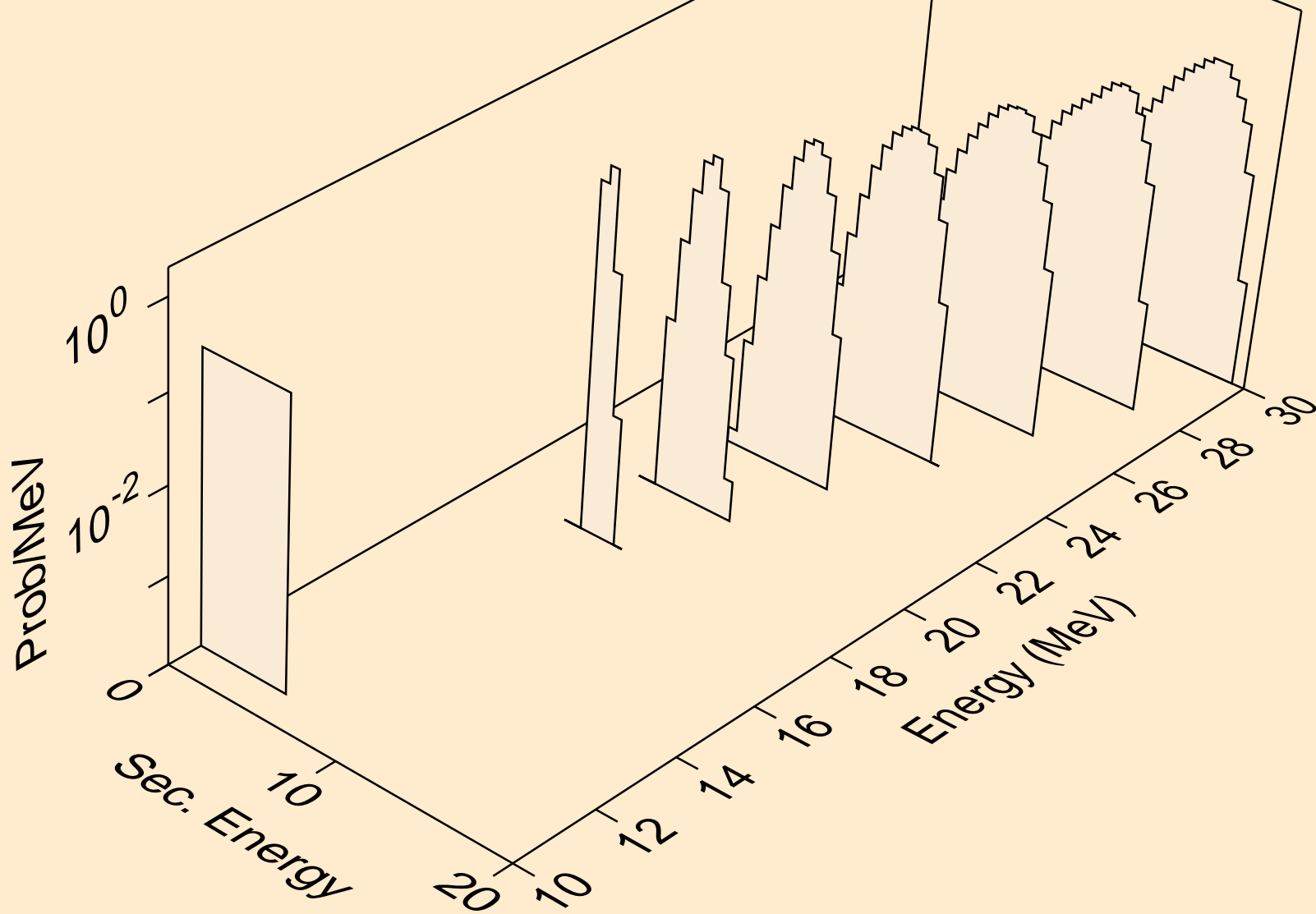
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



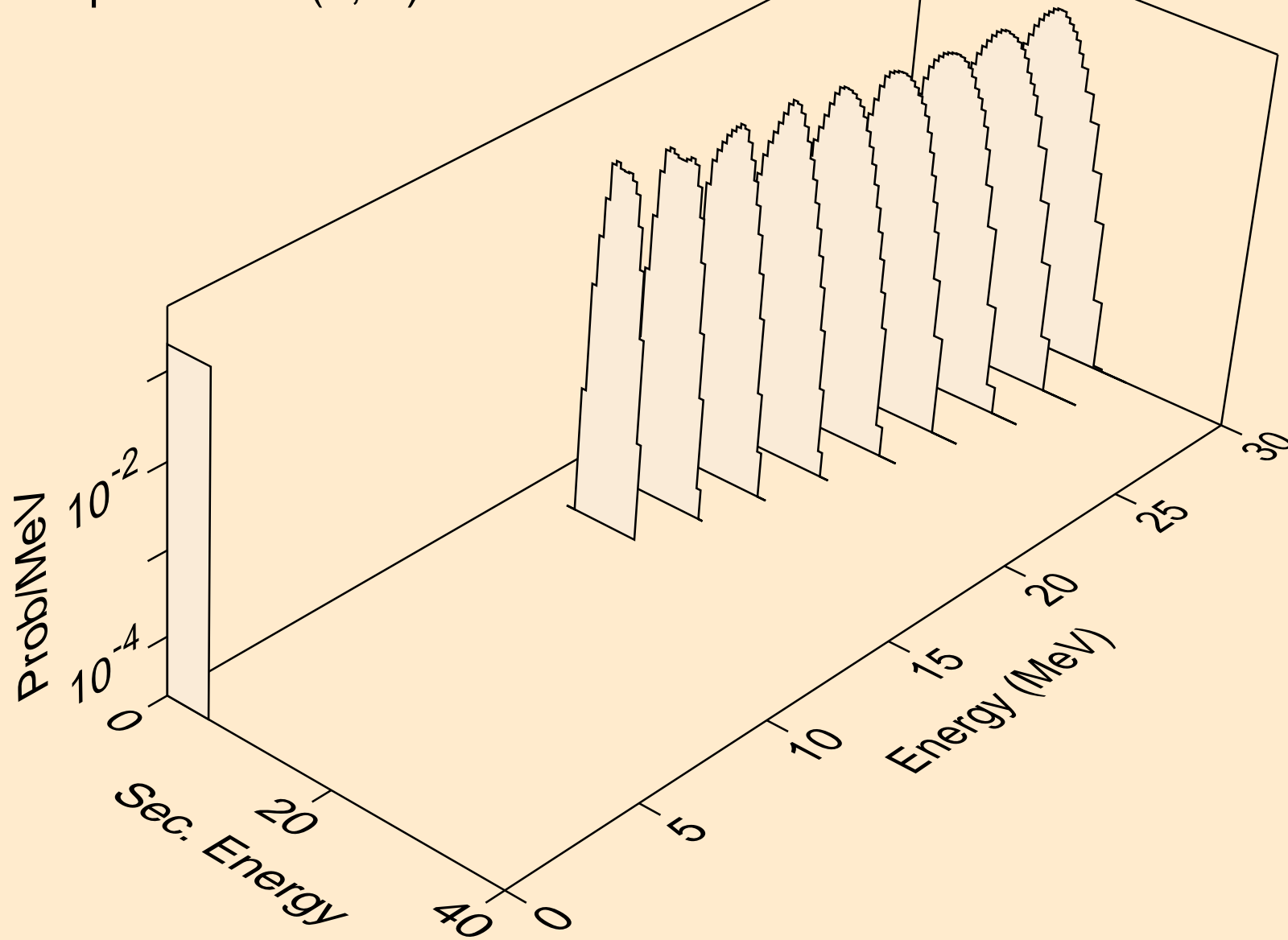
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alphas from (n,2n)a



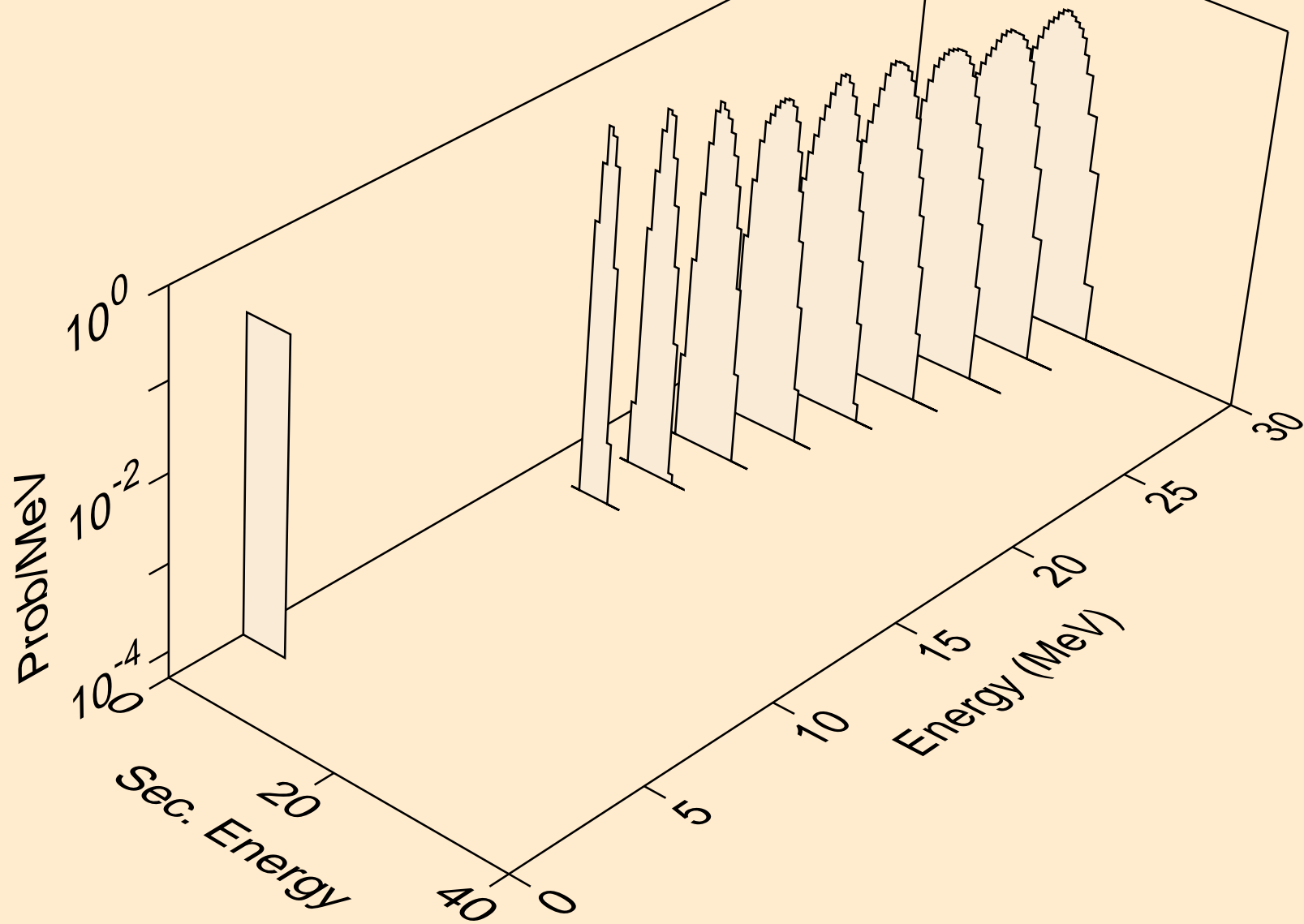
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alphas from (n,3n)a



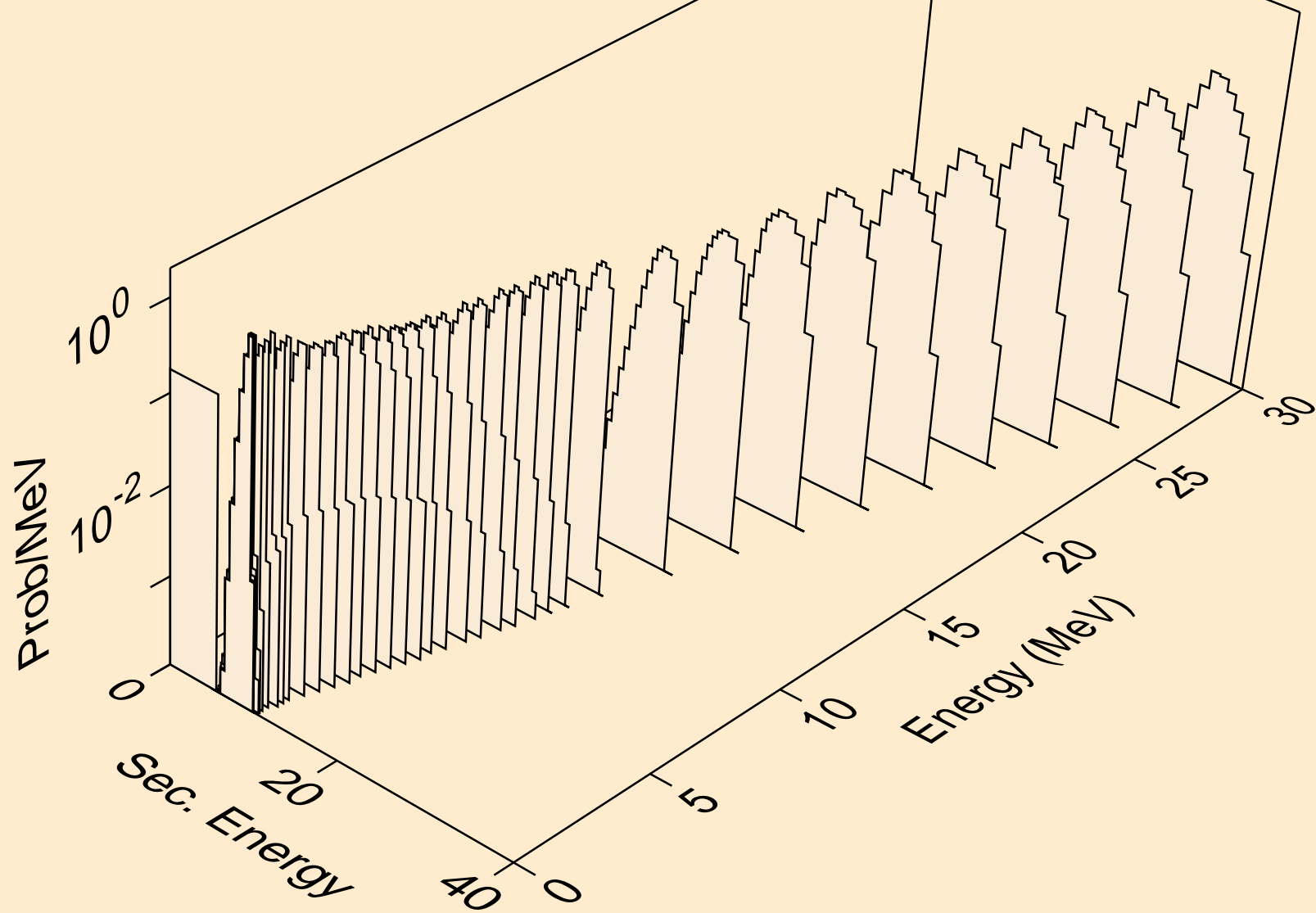
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



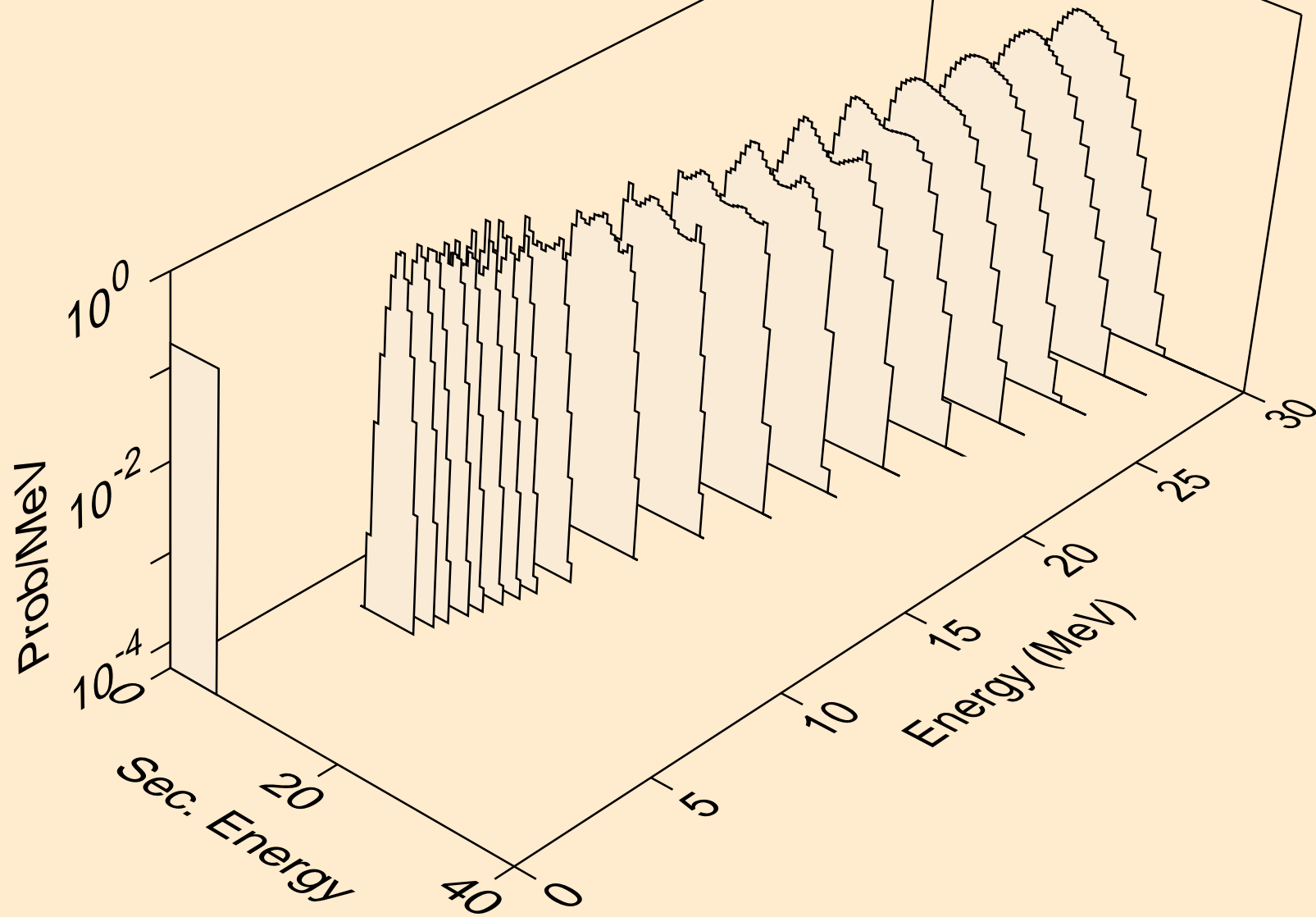
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



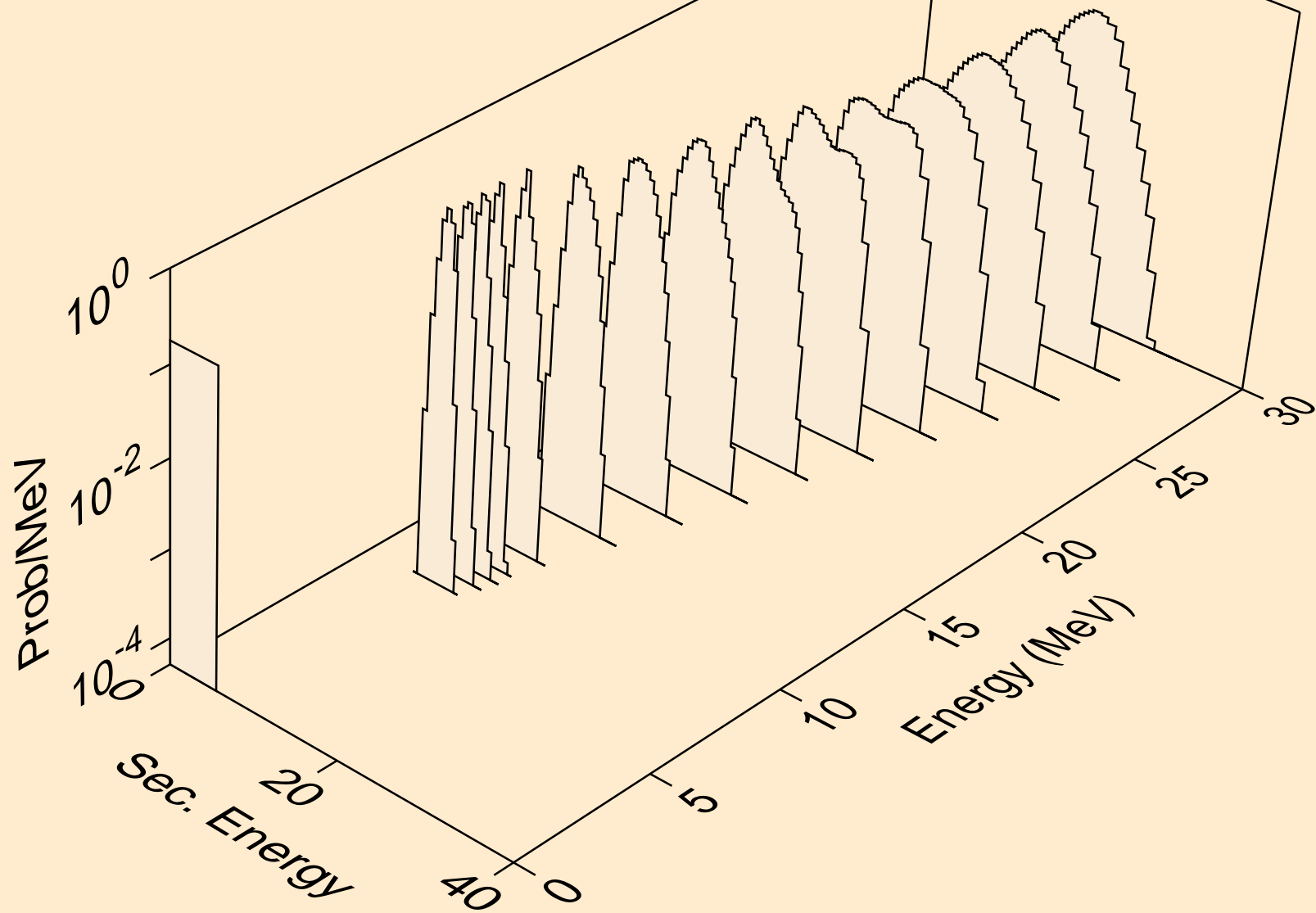
IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)





IR190N NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

