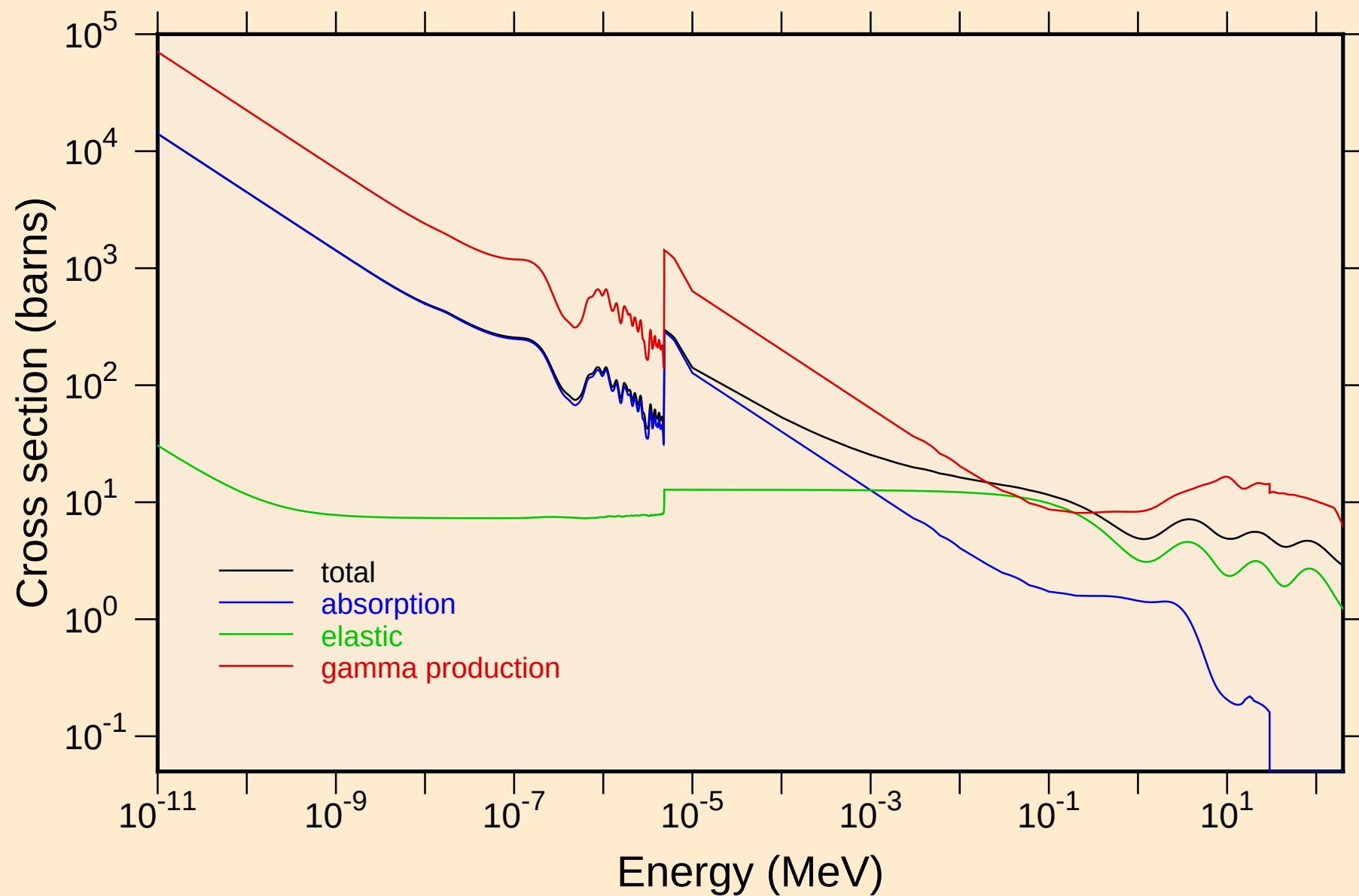
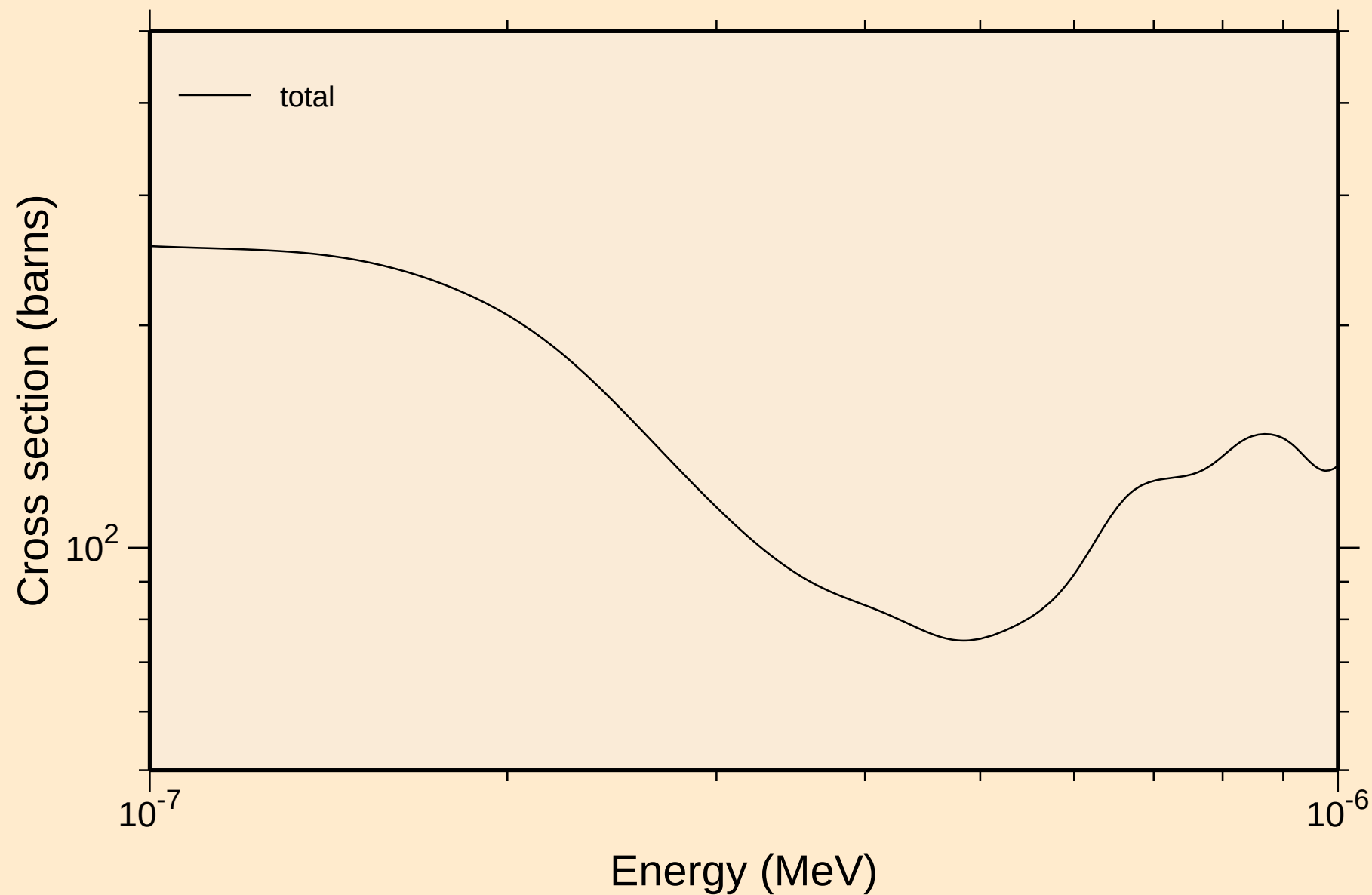


# BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

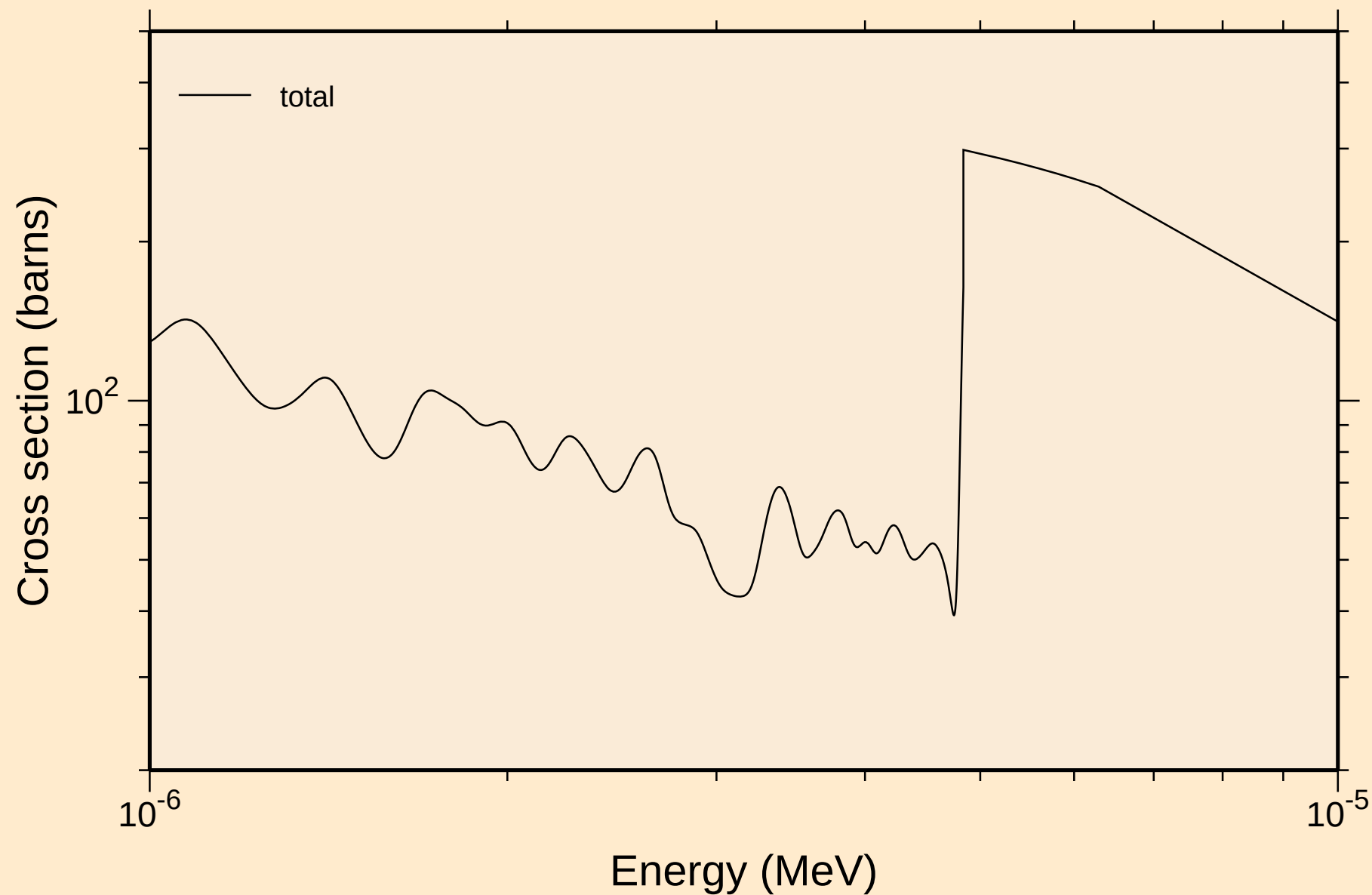
## Principal cross sections



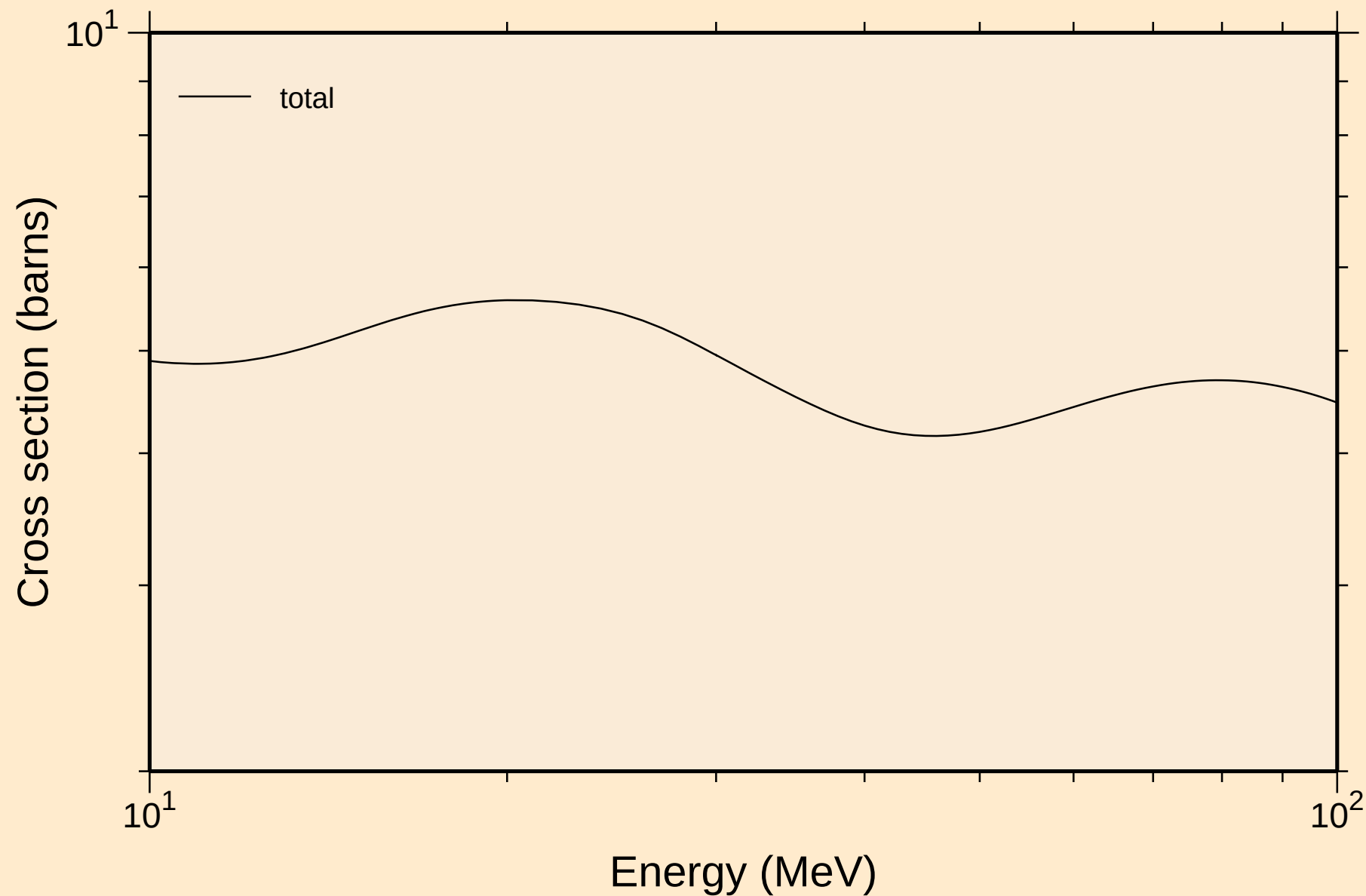
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resonance total cross section



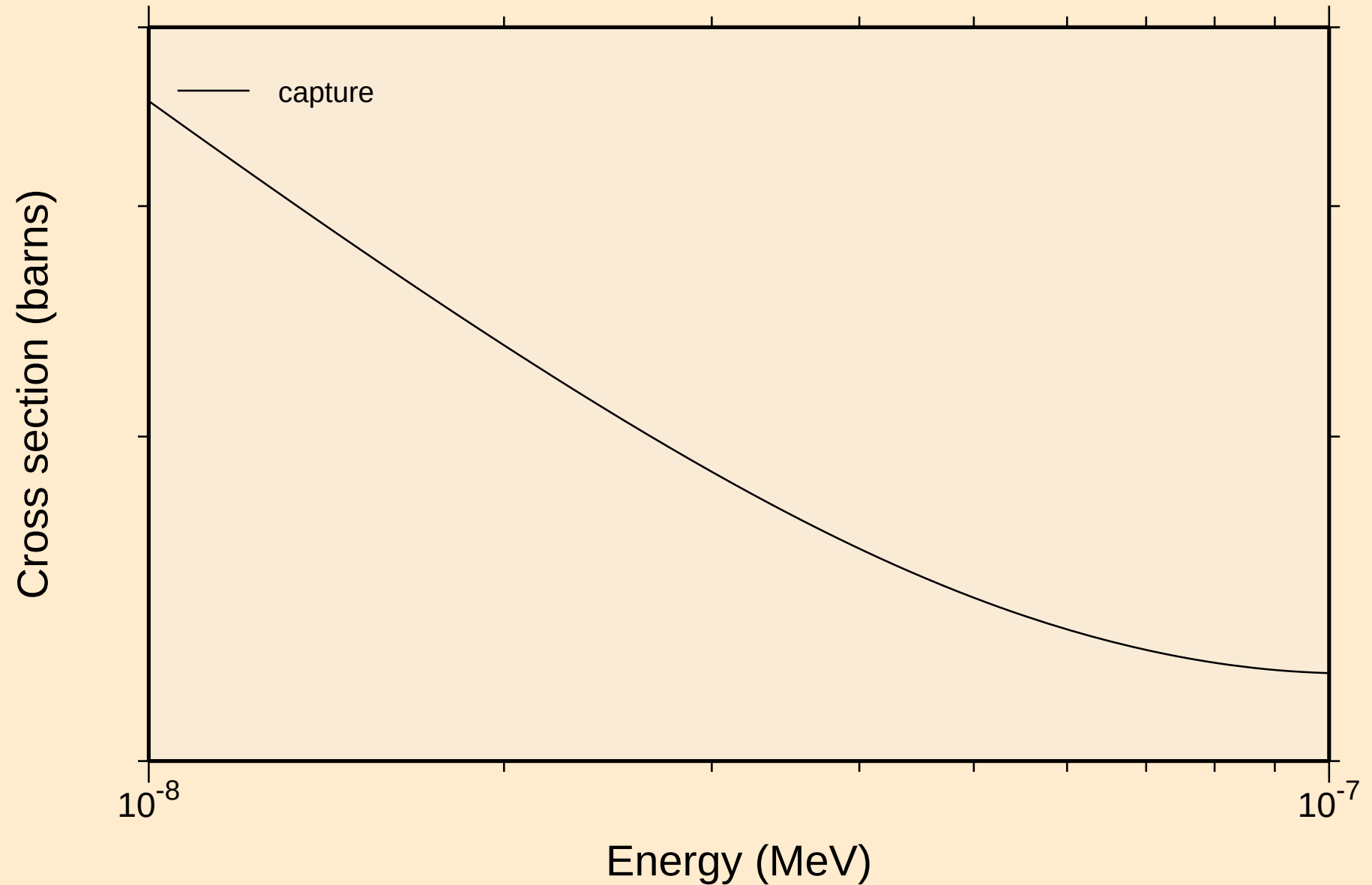
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resonance total cross section



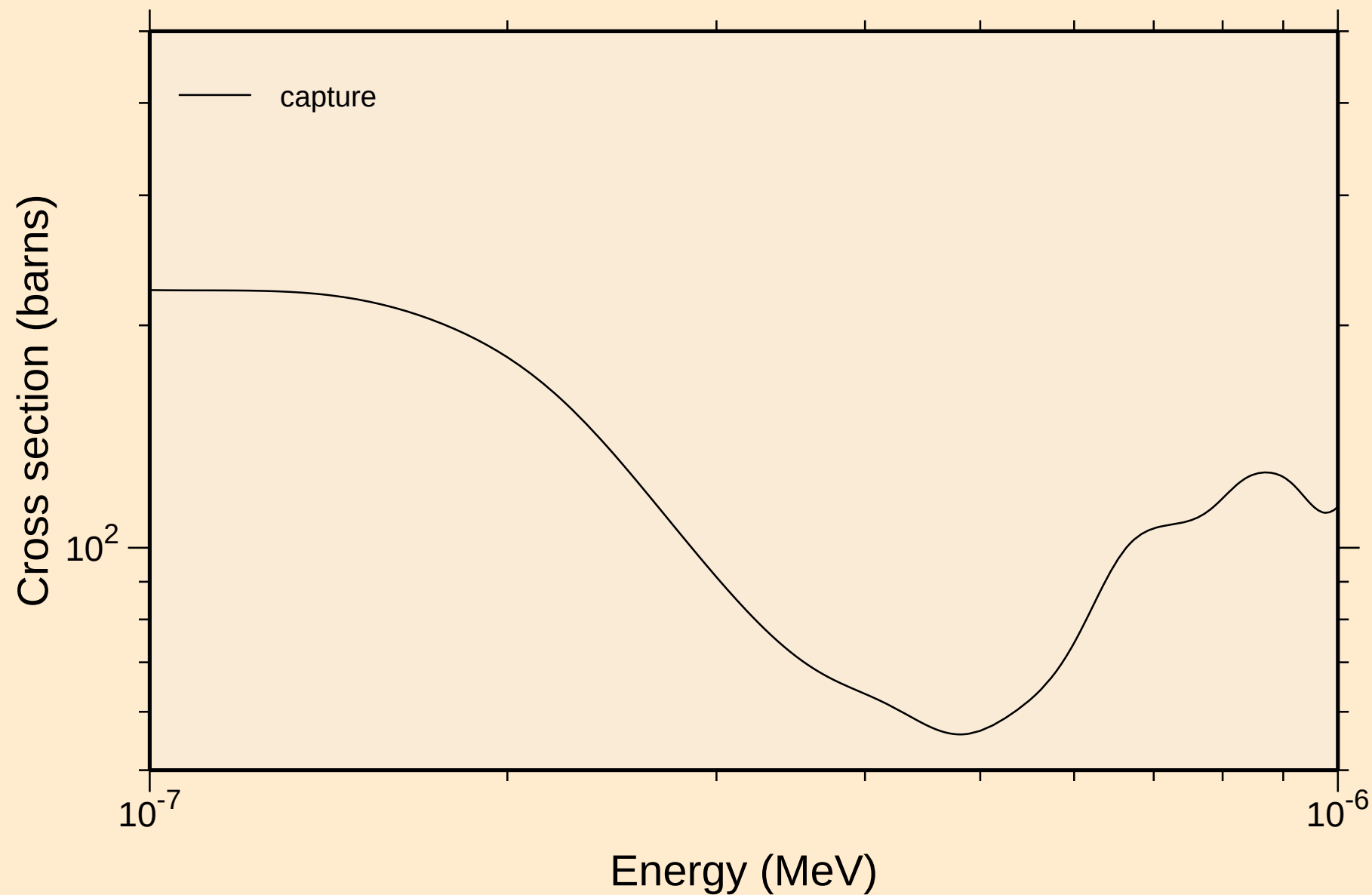
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resonance total cross section



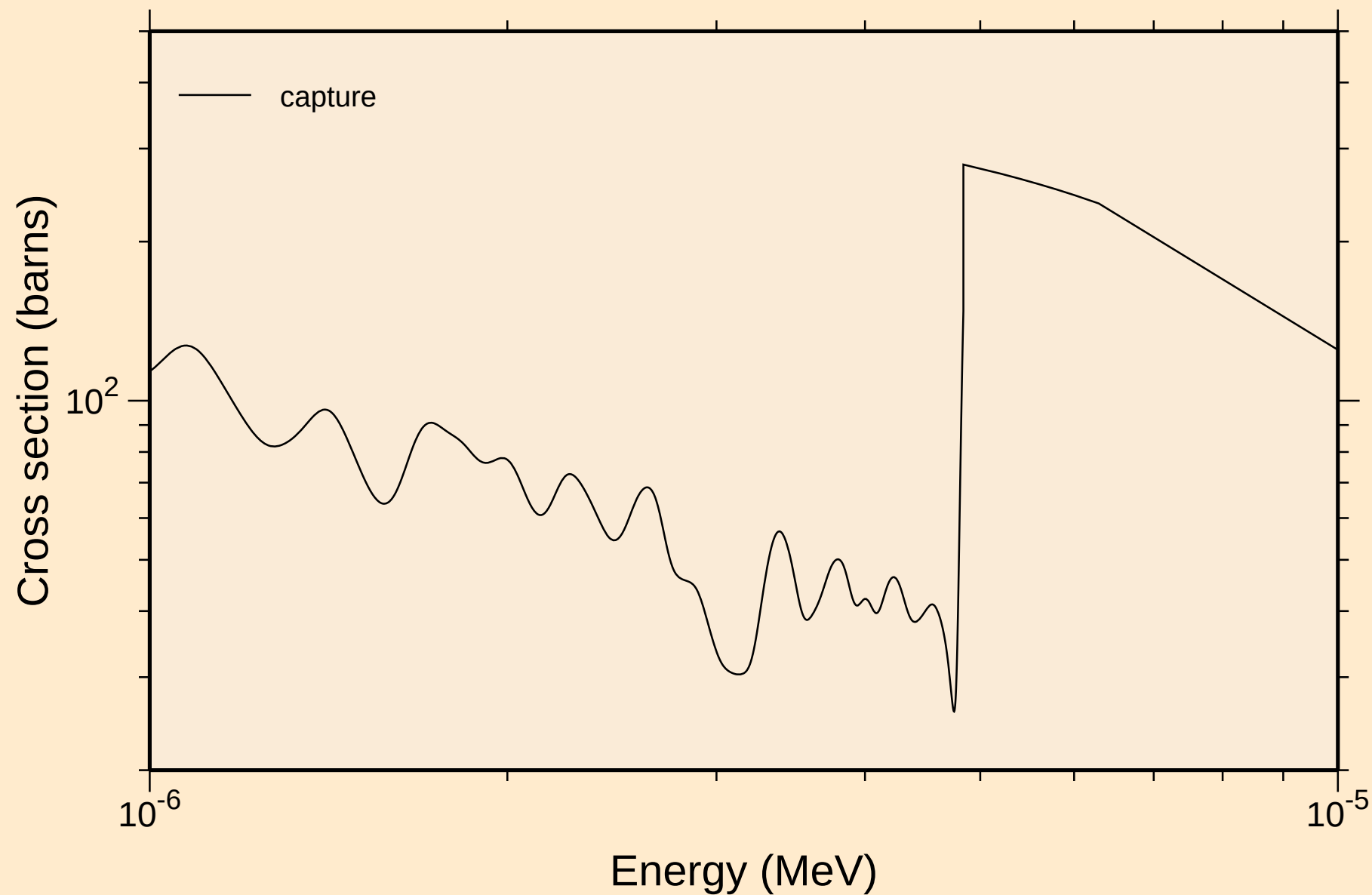
B<sup>1</sup>194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



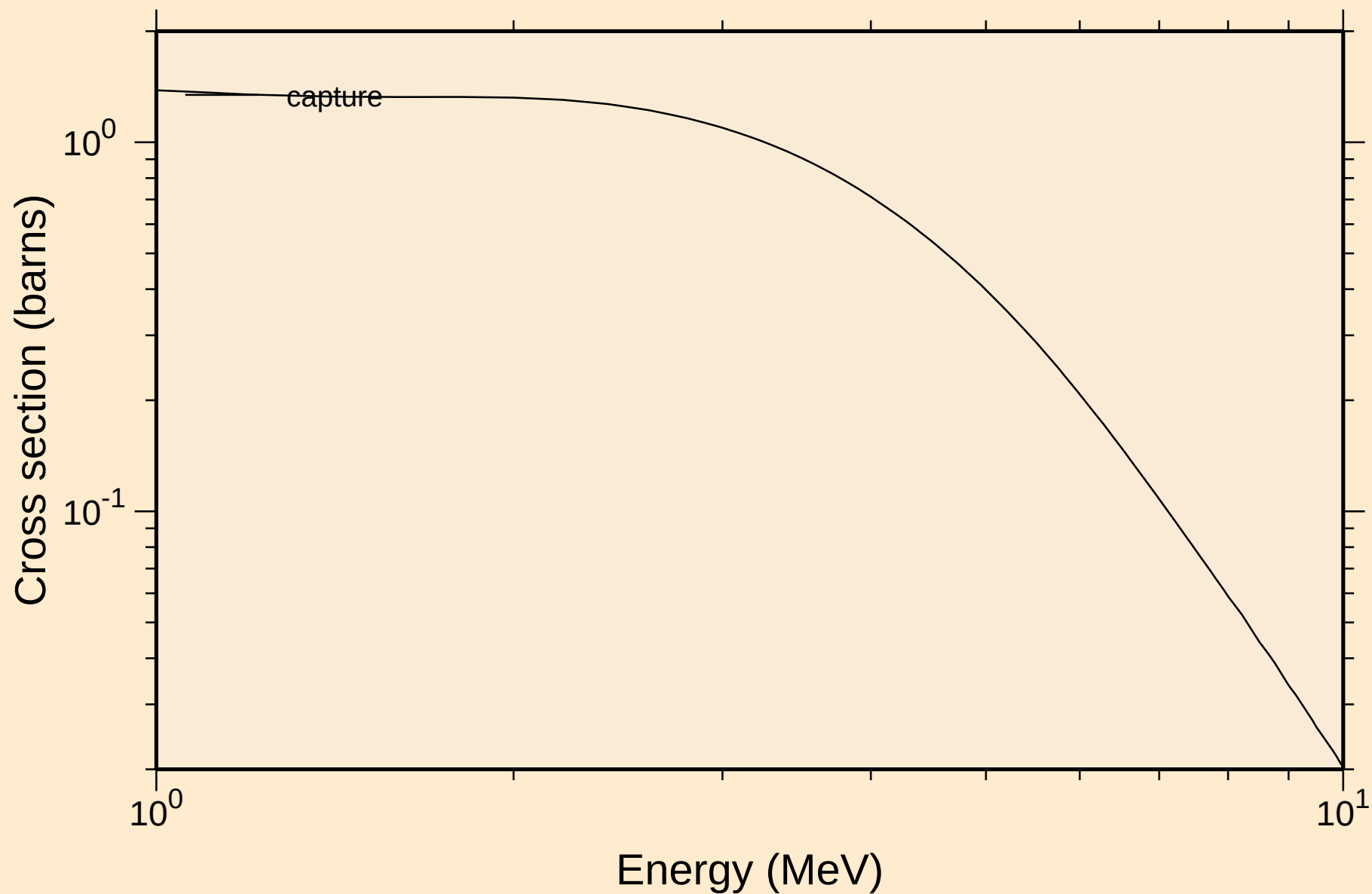
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

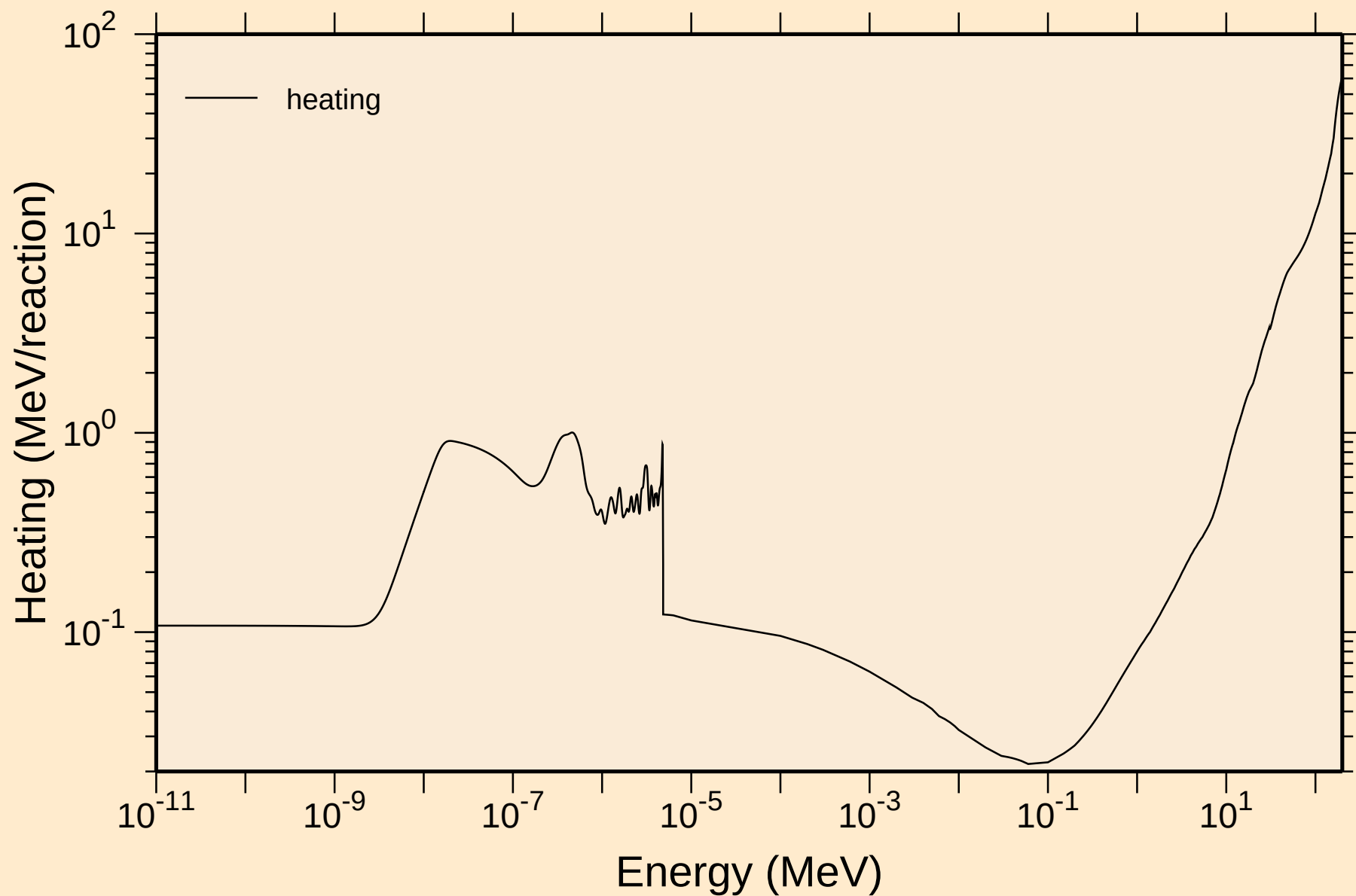


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

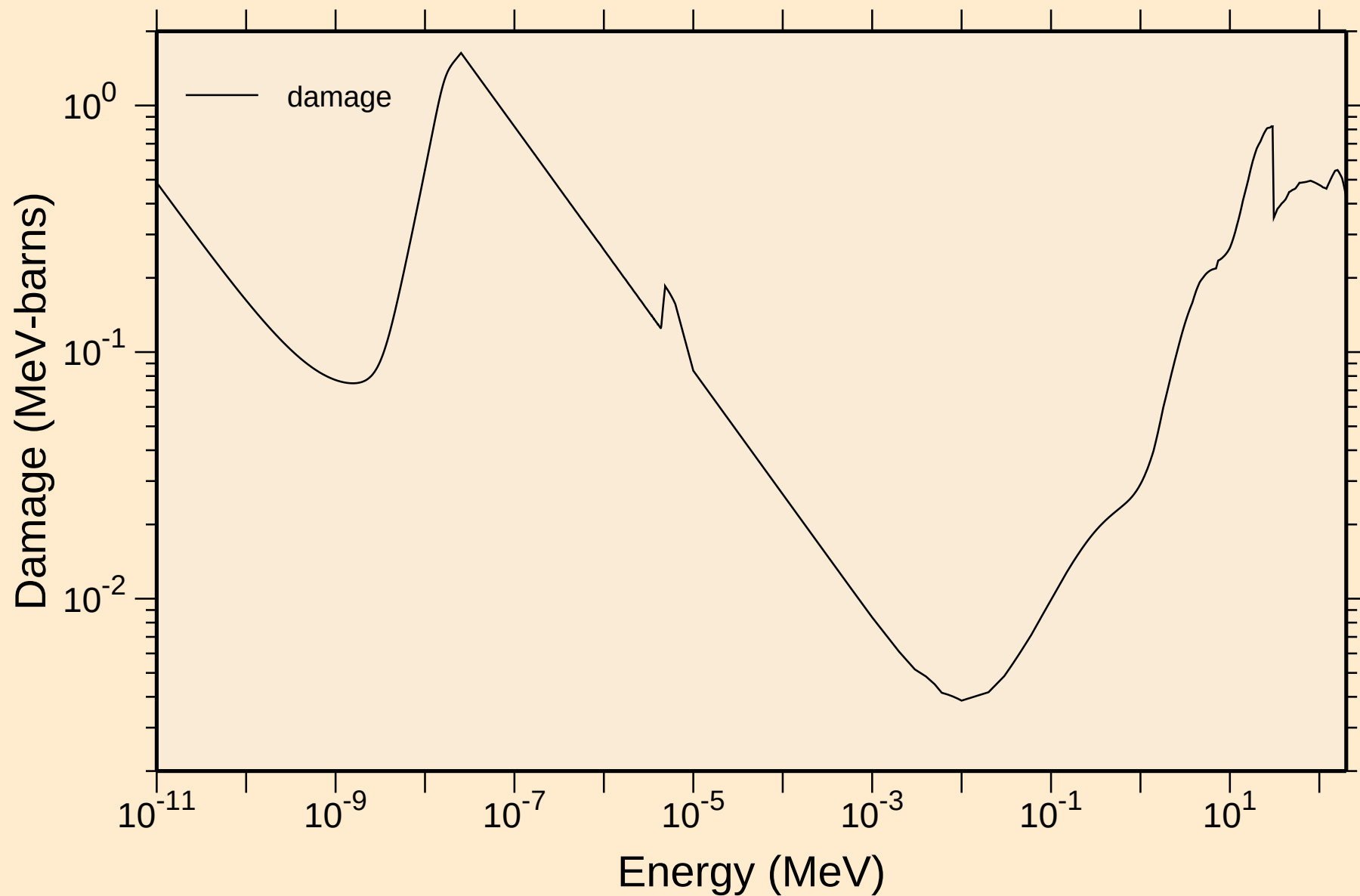




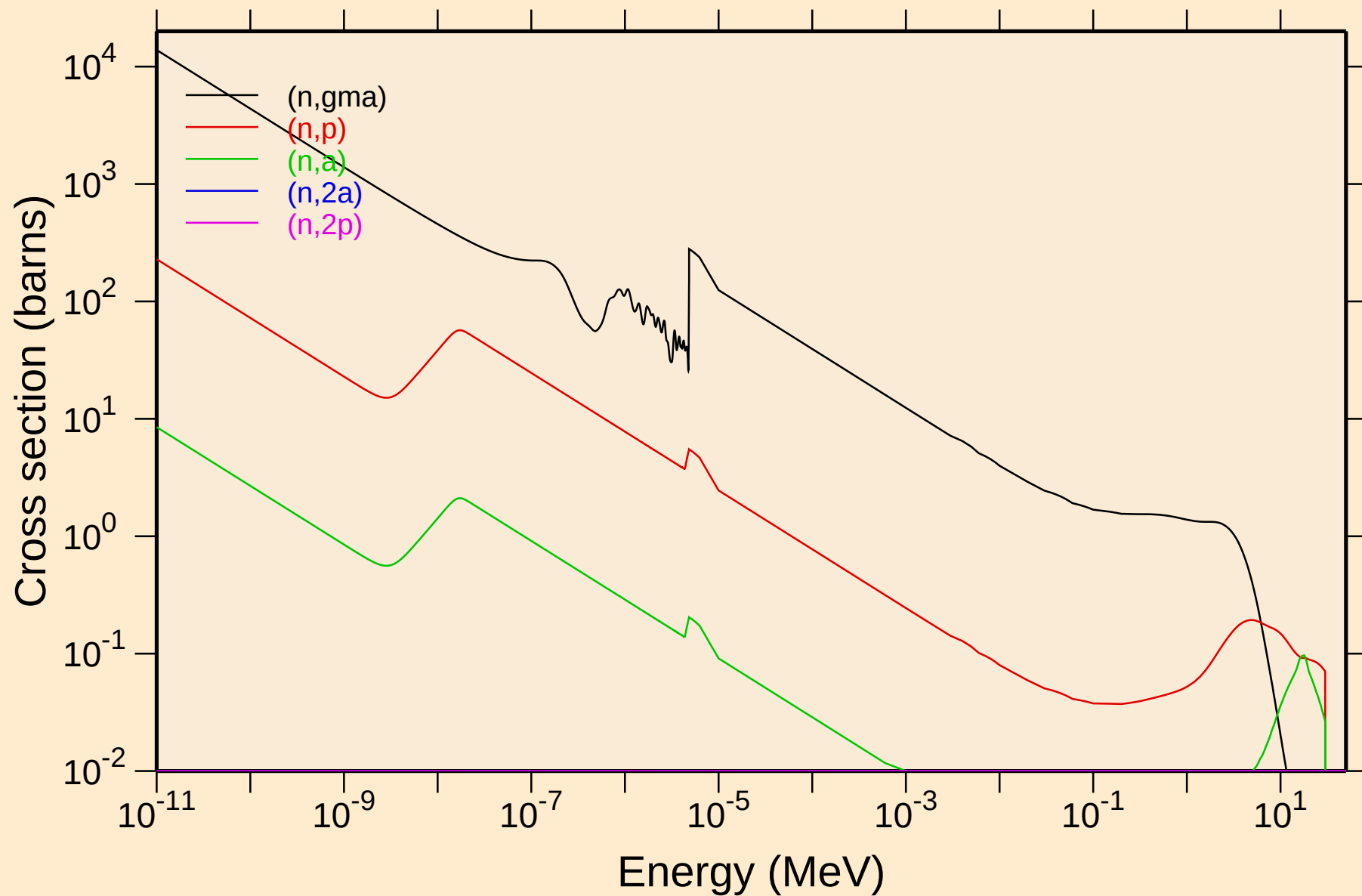
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



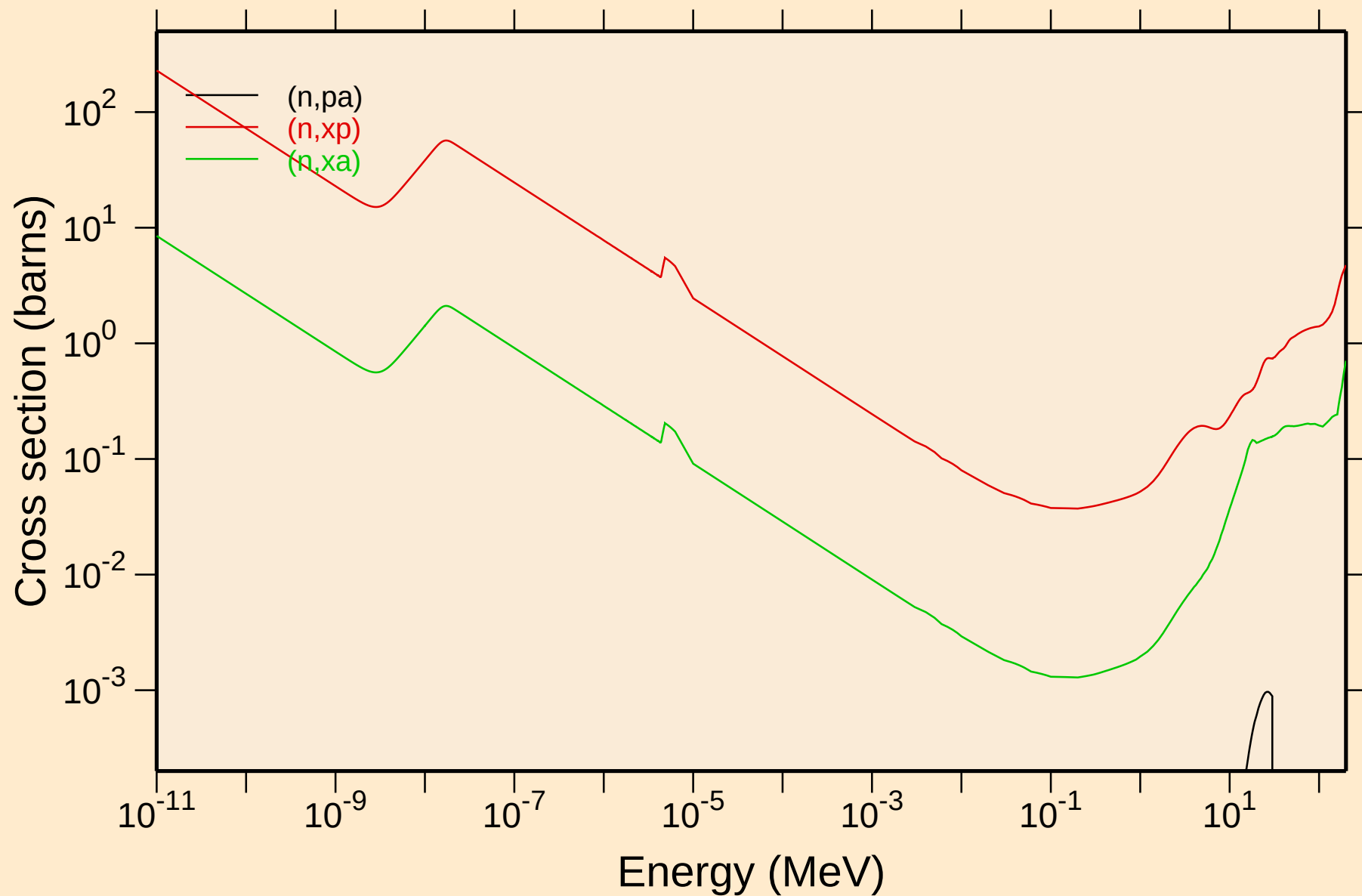
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

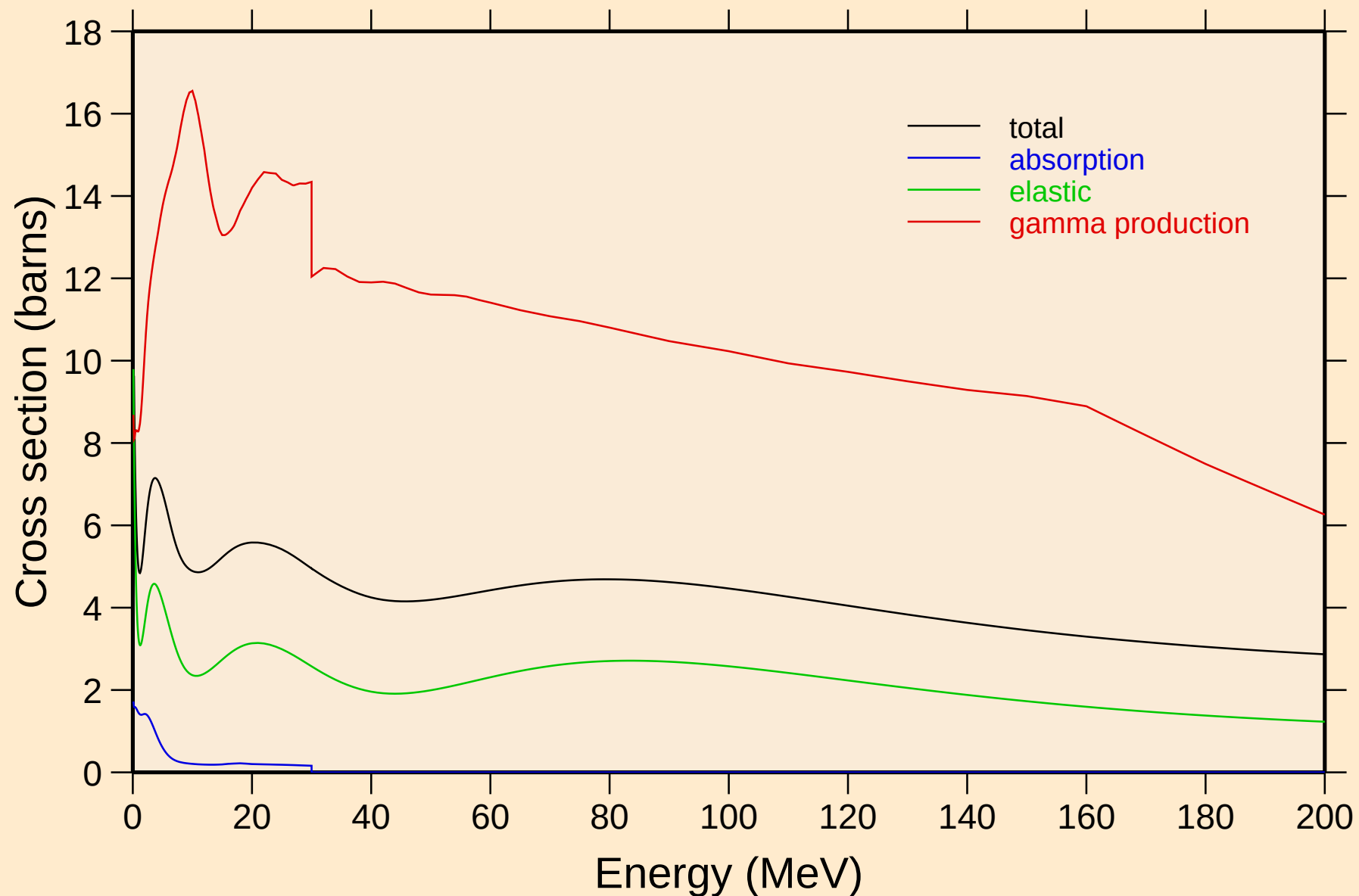


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

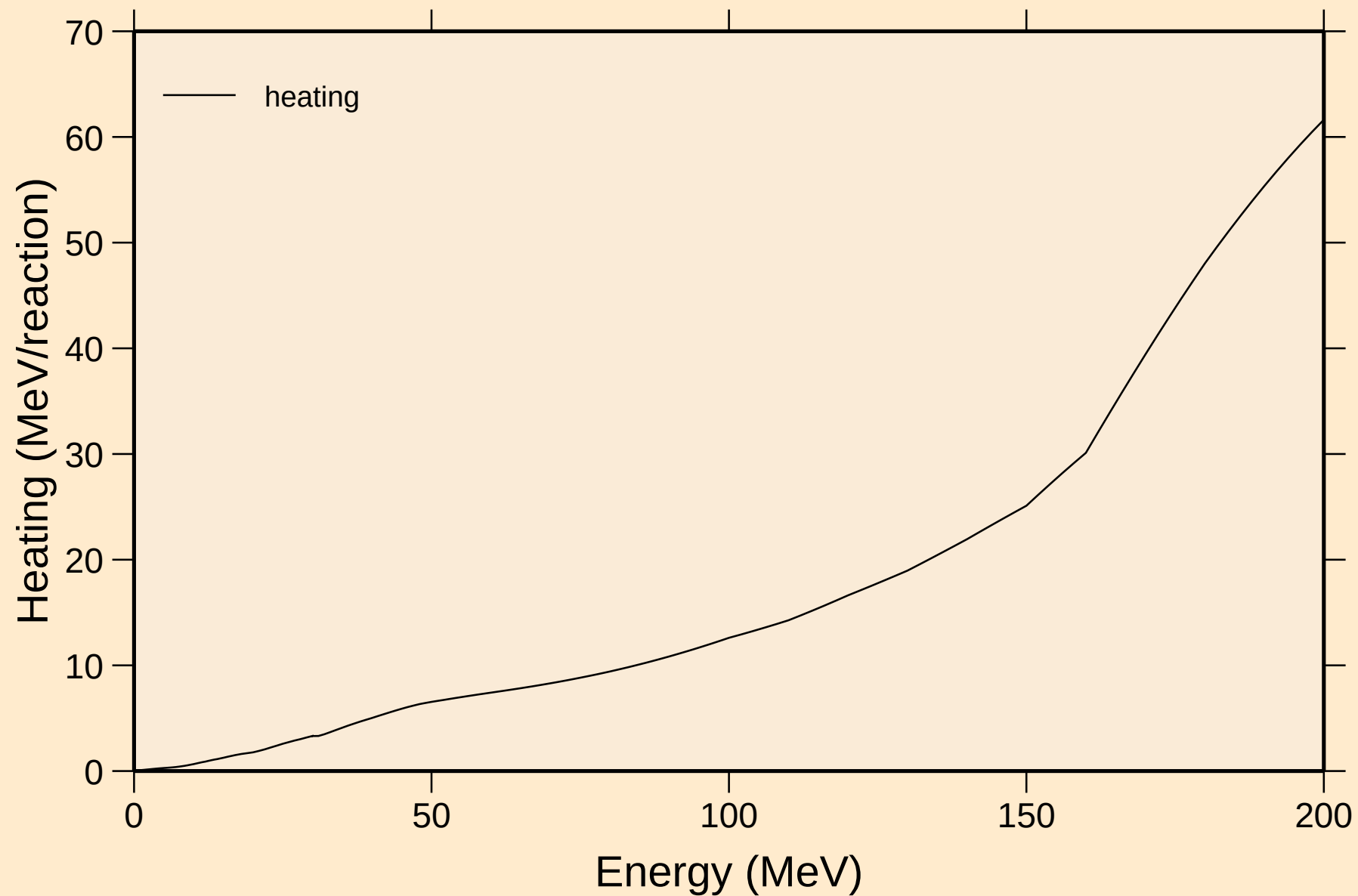


# BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

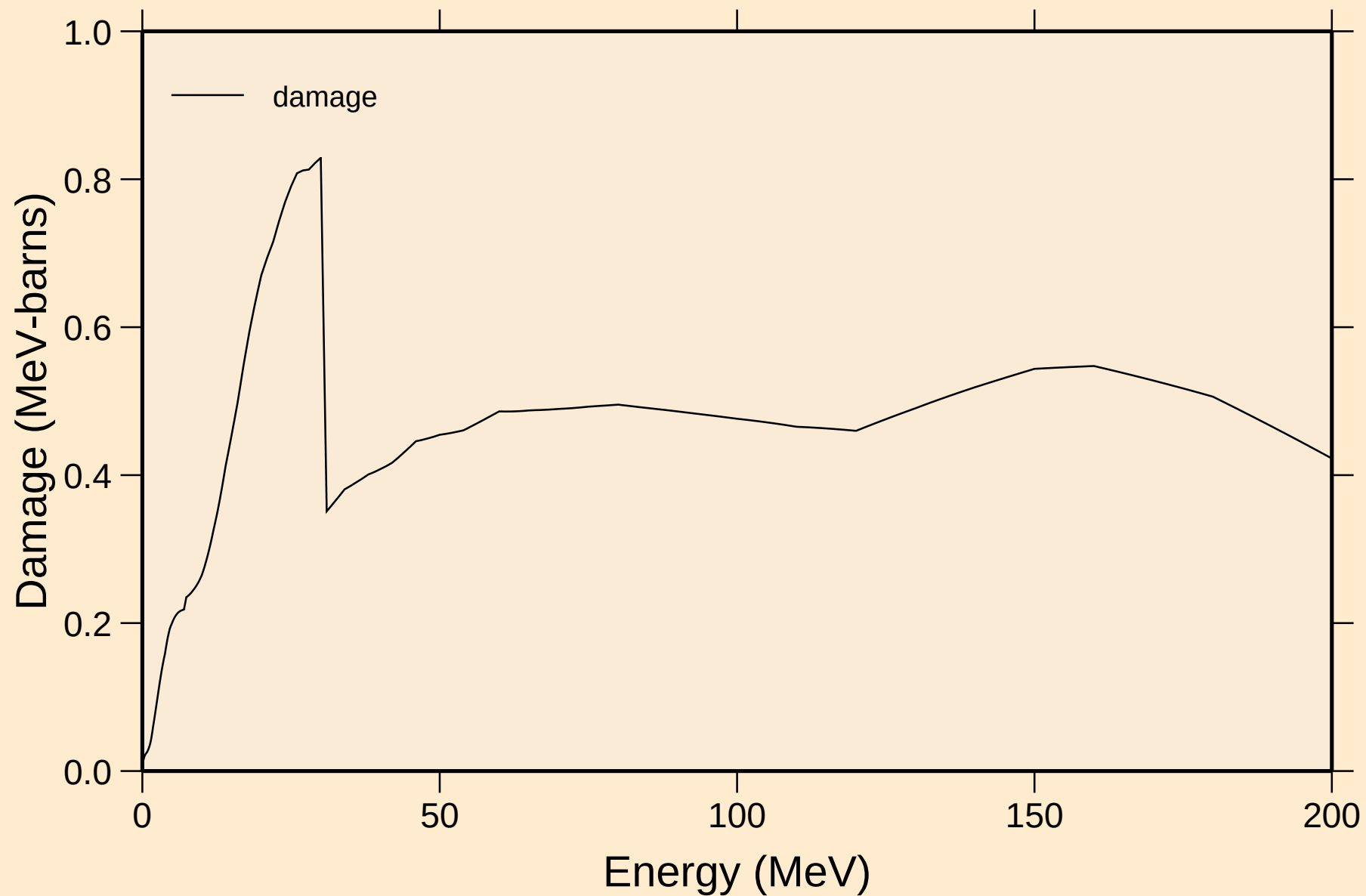
## Principal cross sections



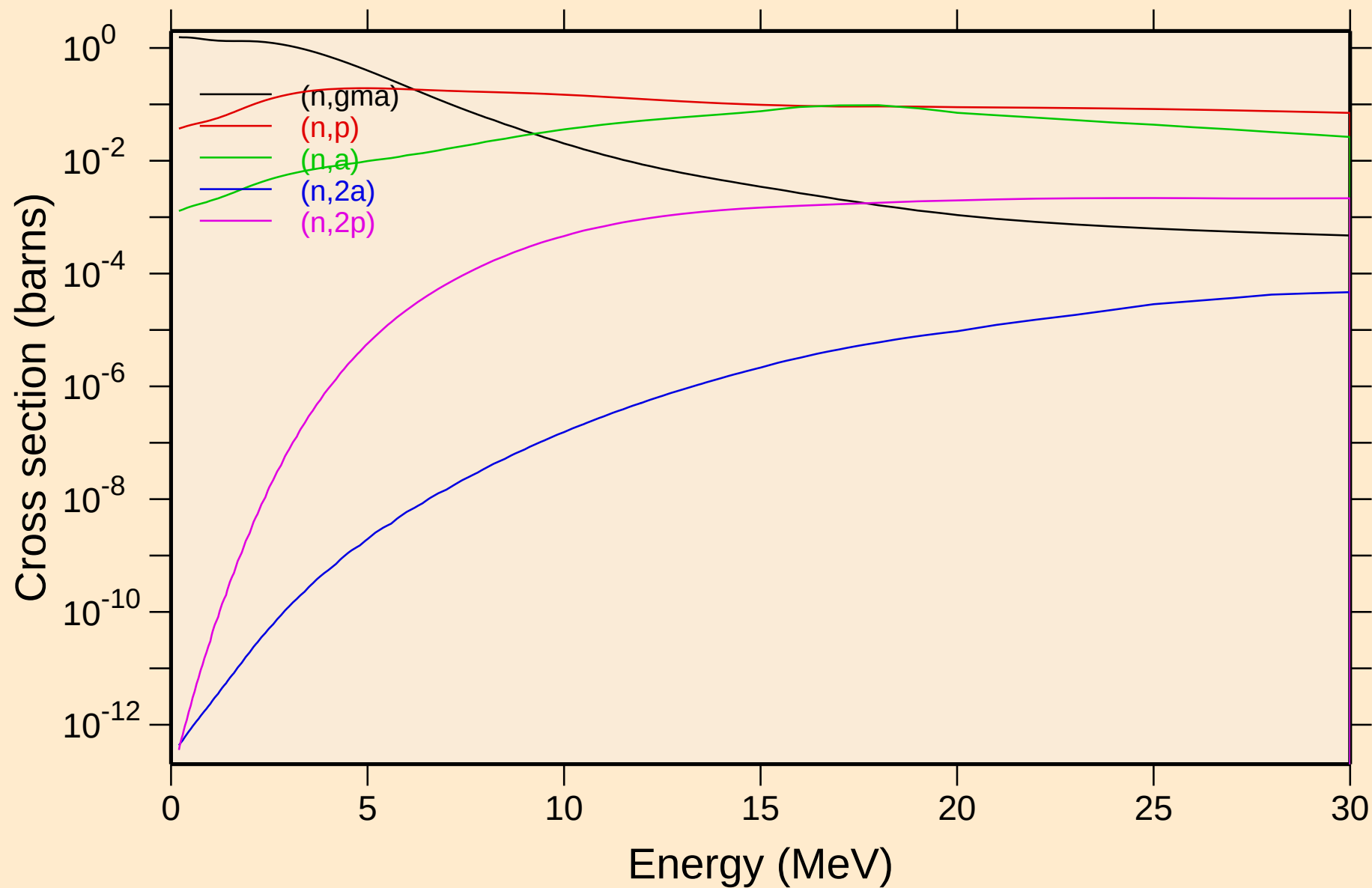
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

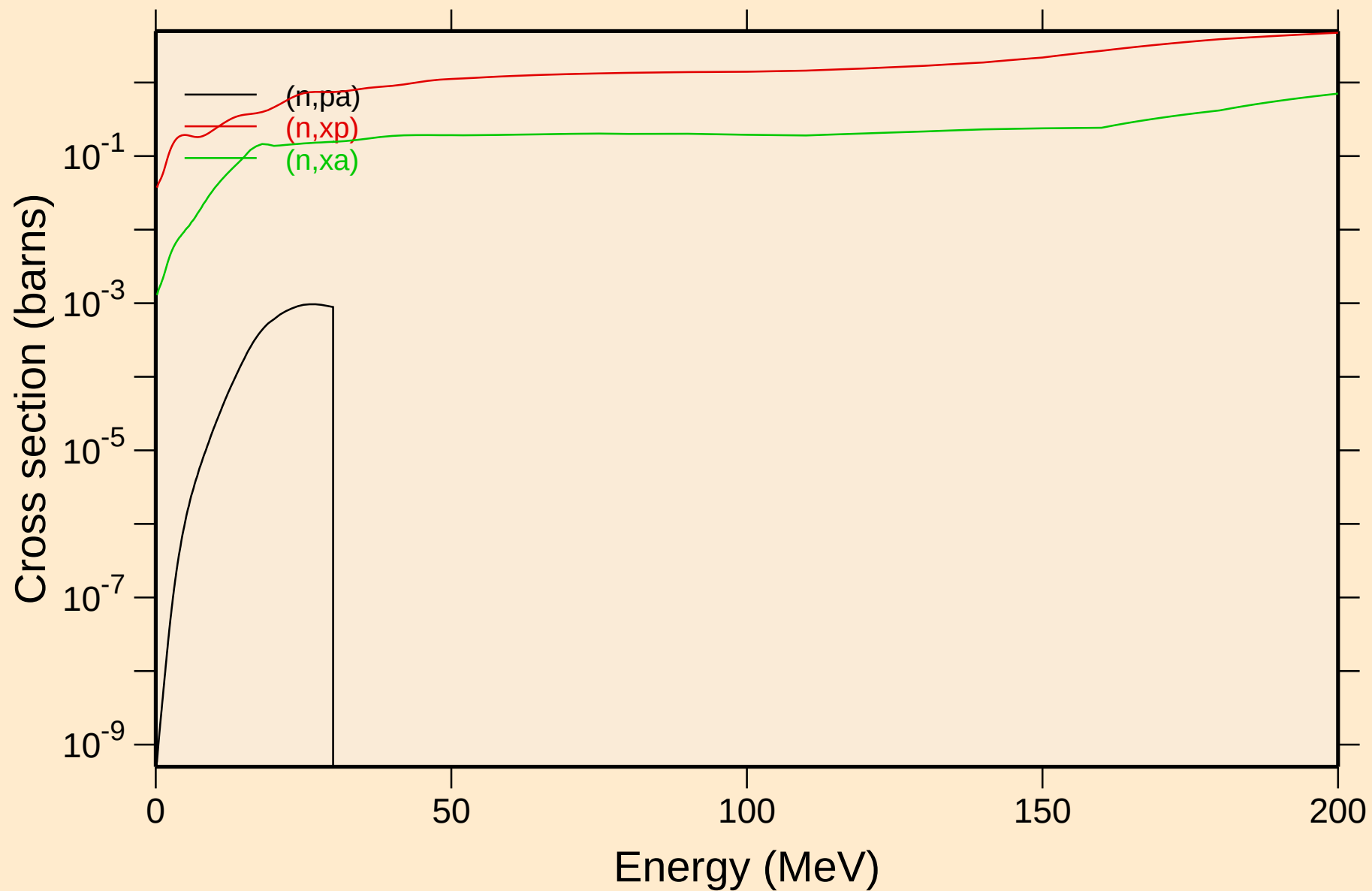


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

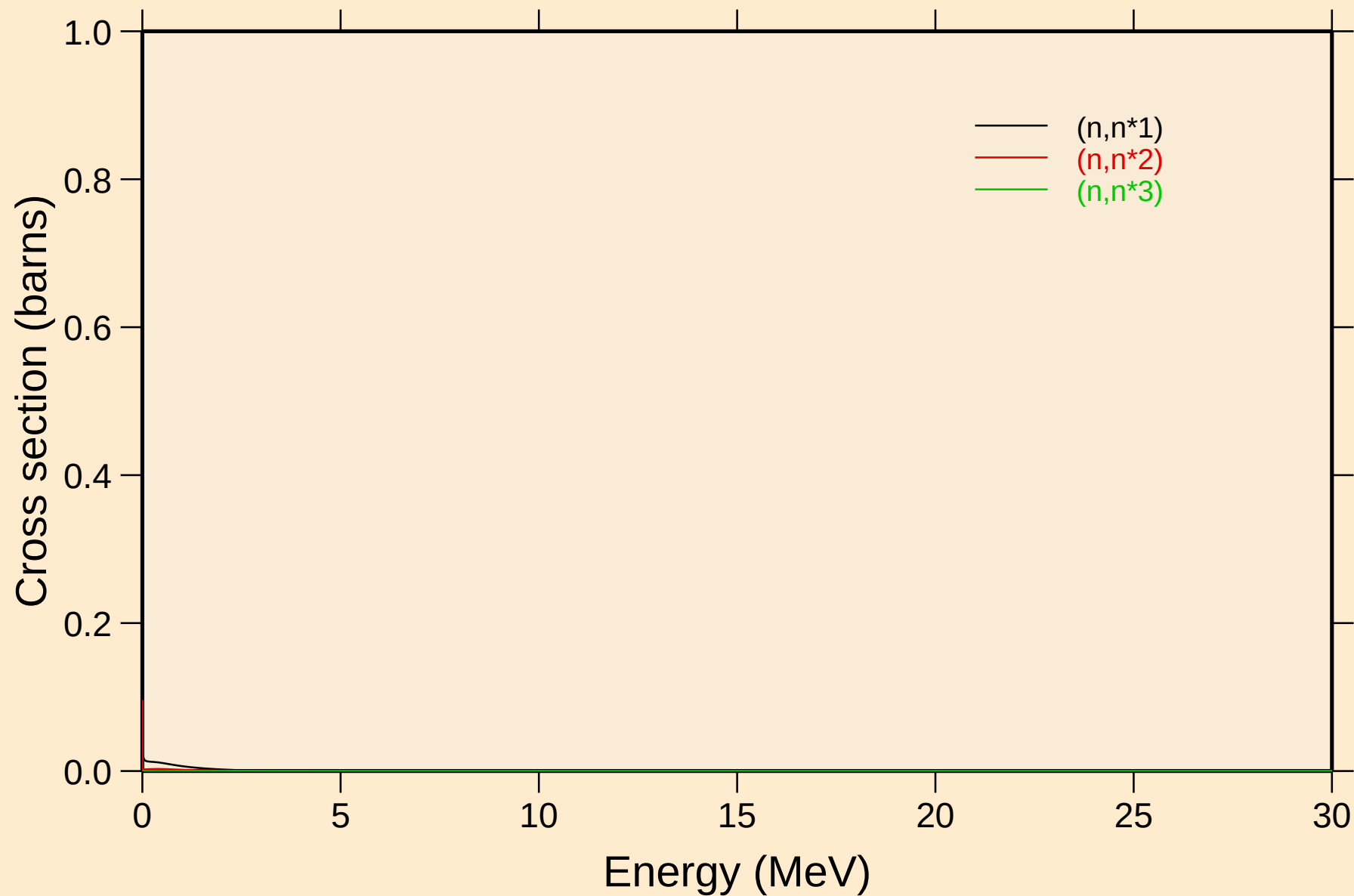




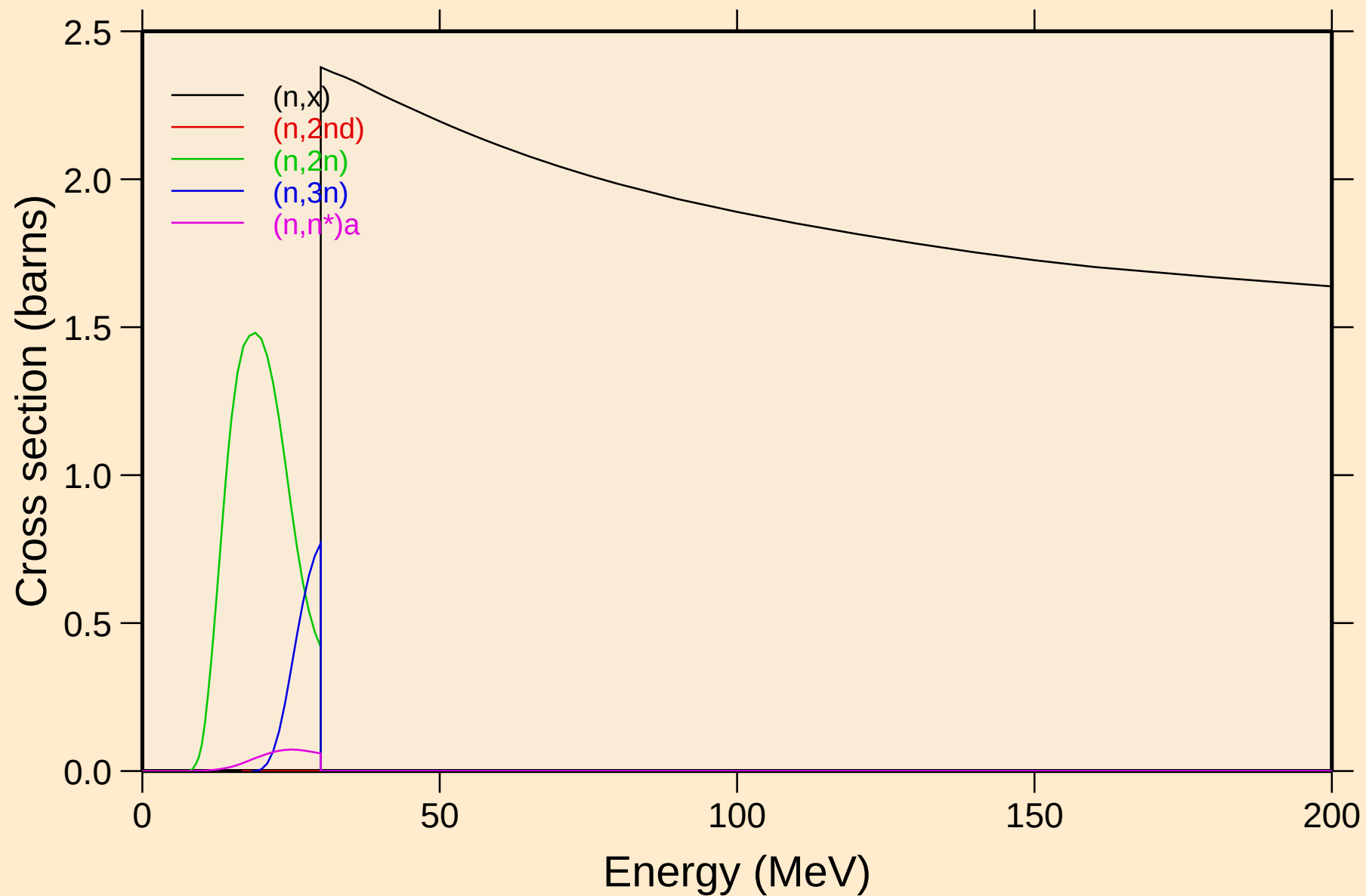
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



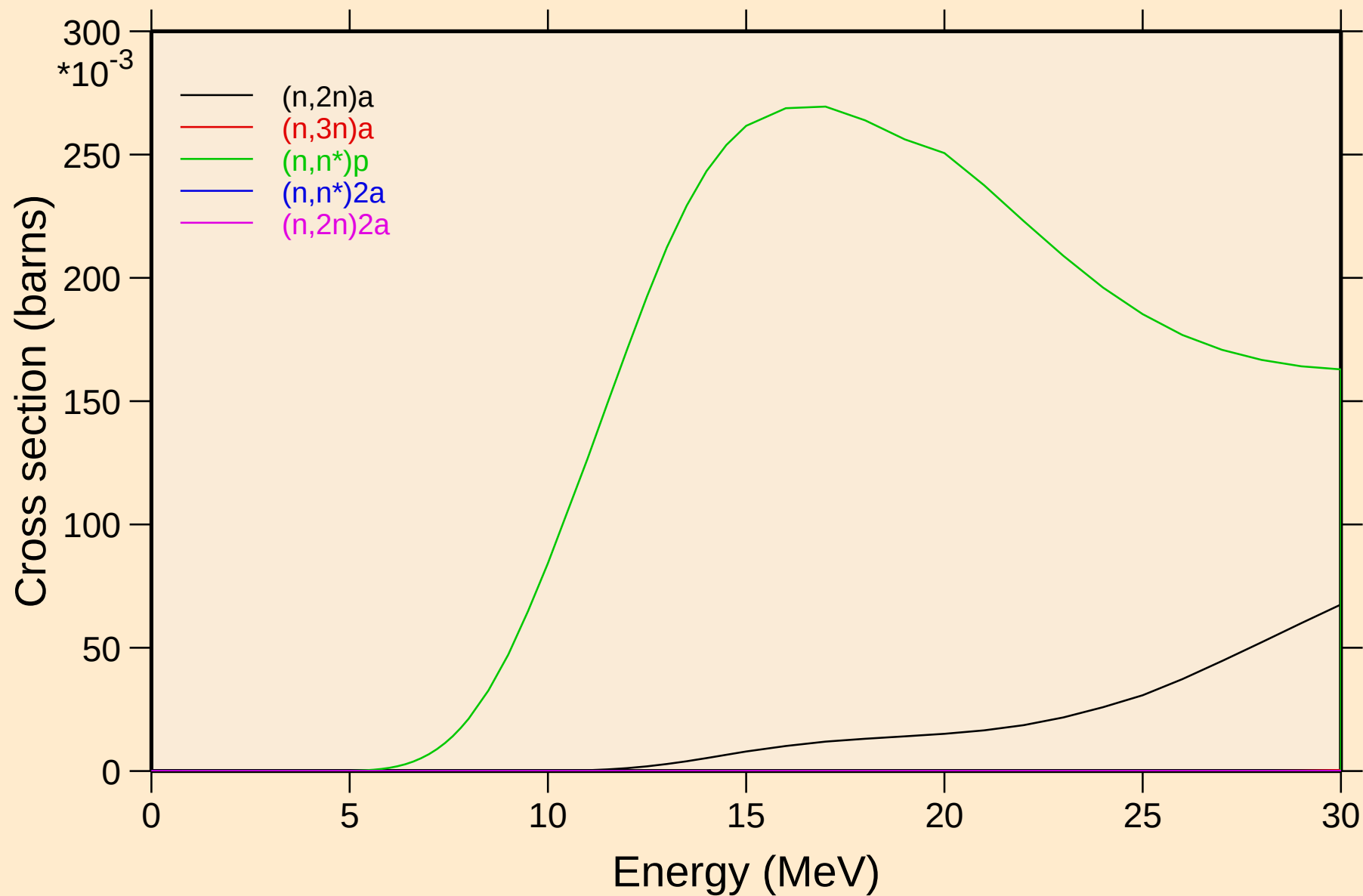
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Inelastic levels



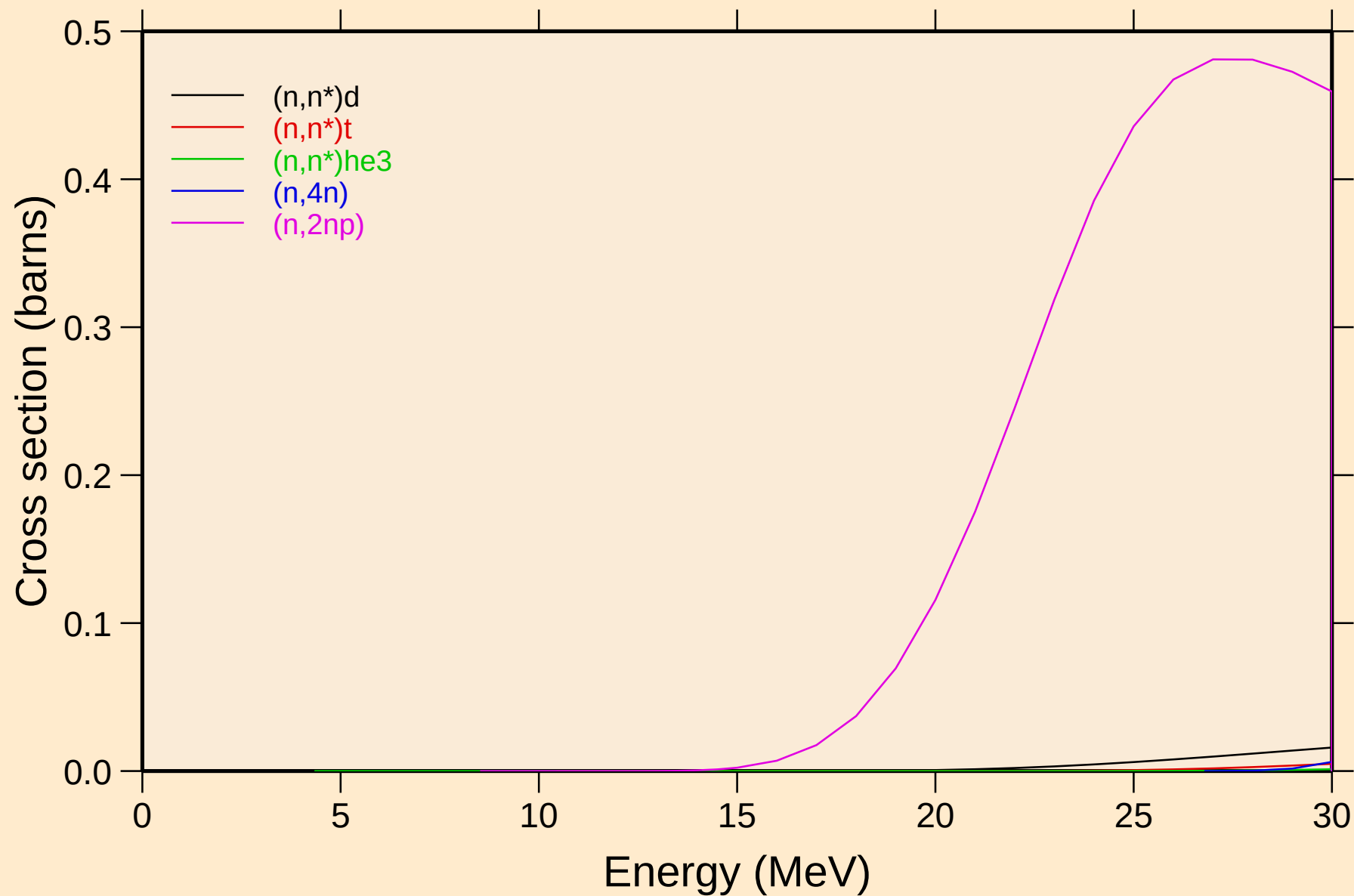
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



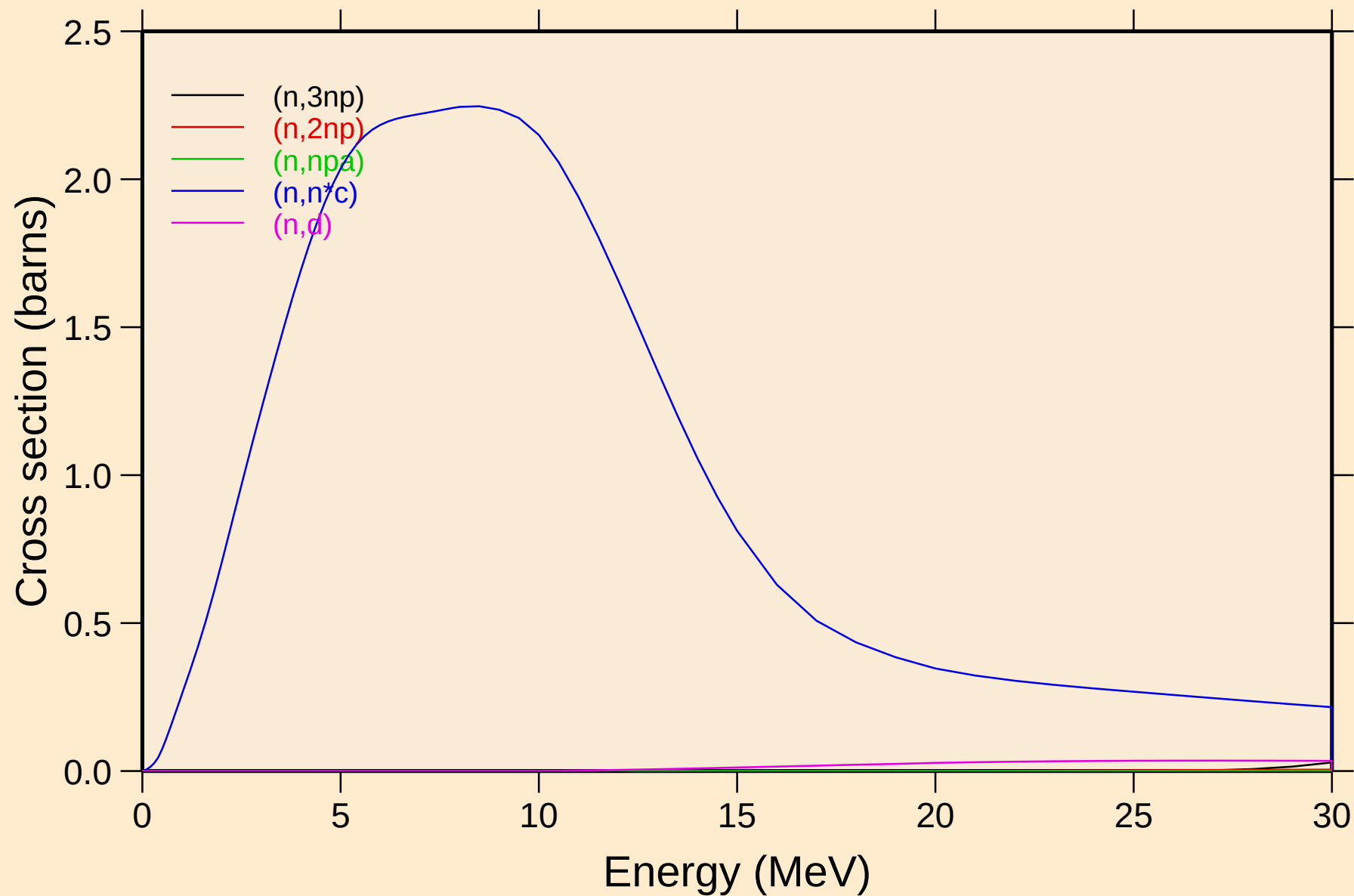
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Threshold reactions



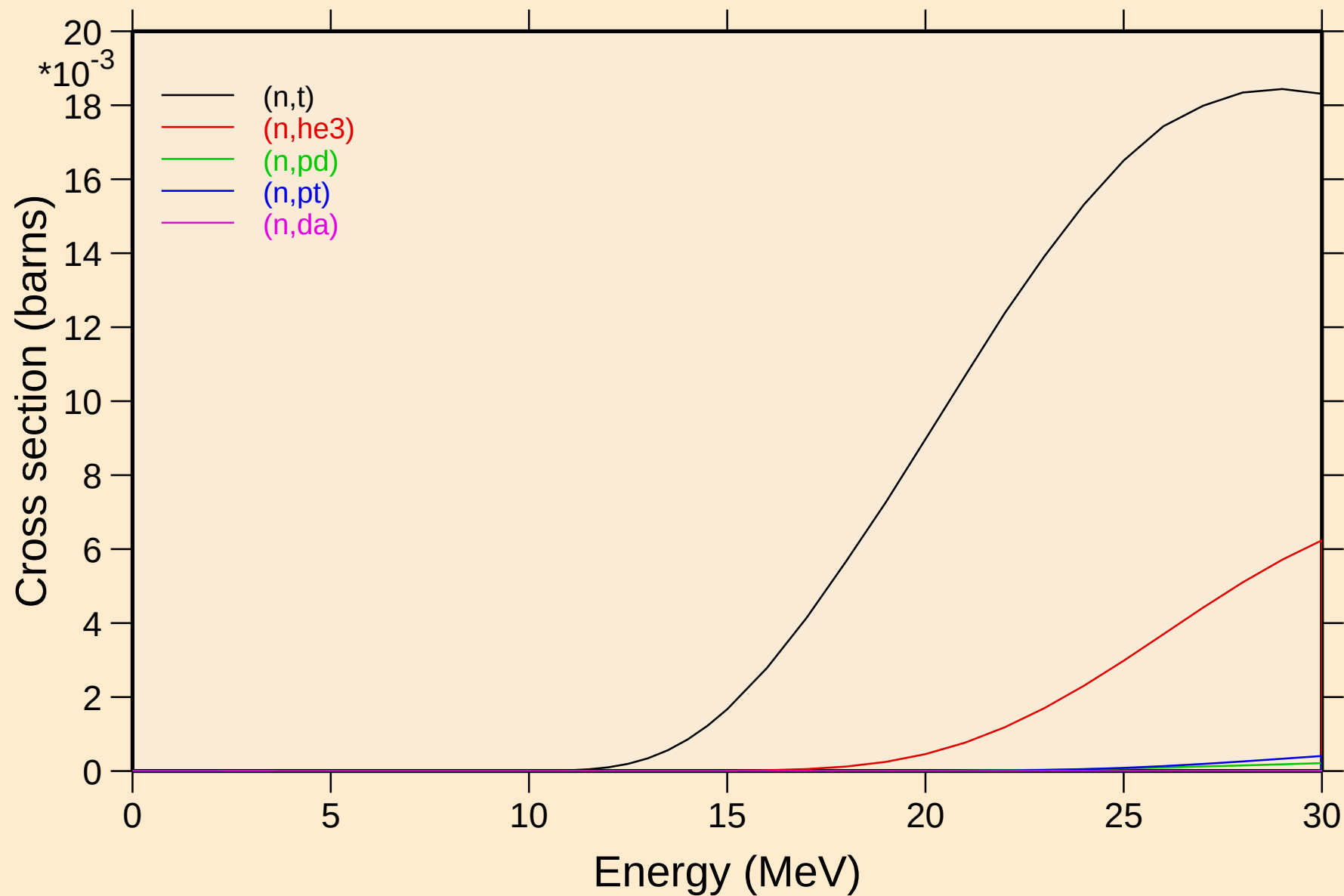
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Threshold reactions



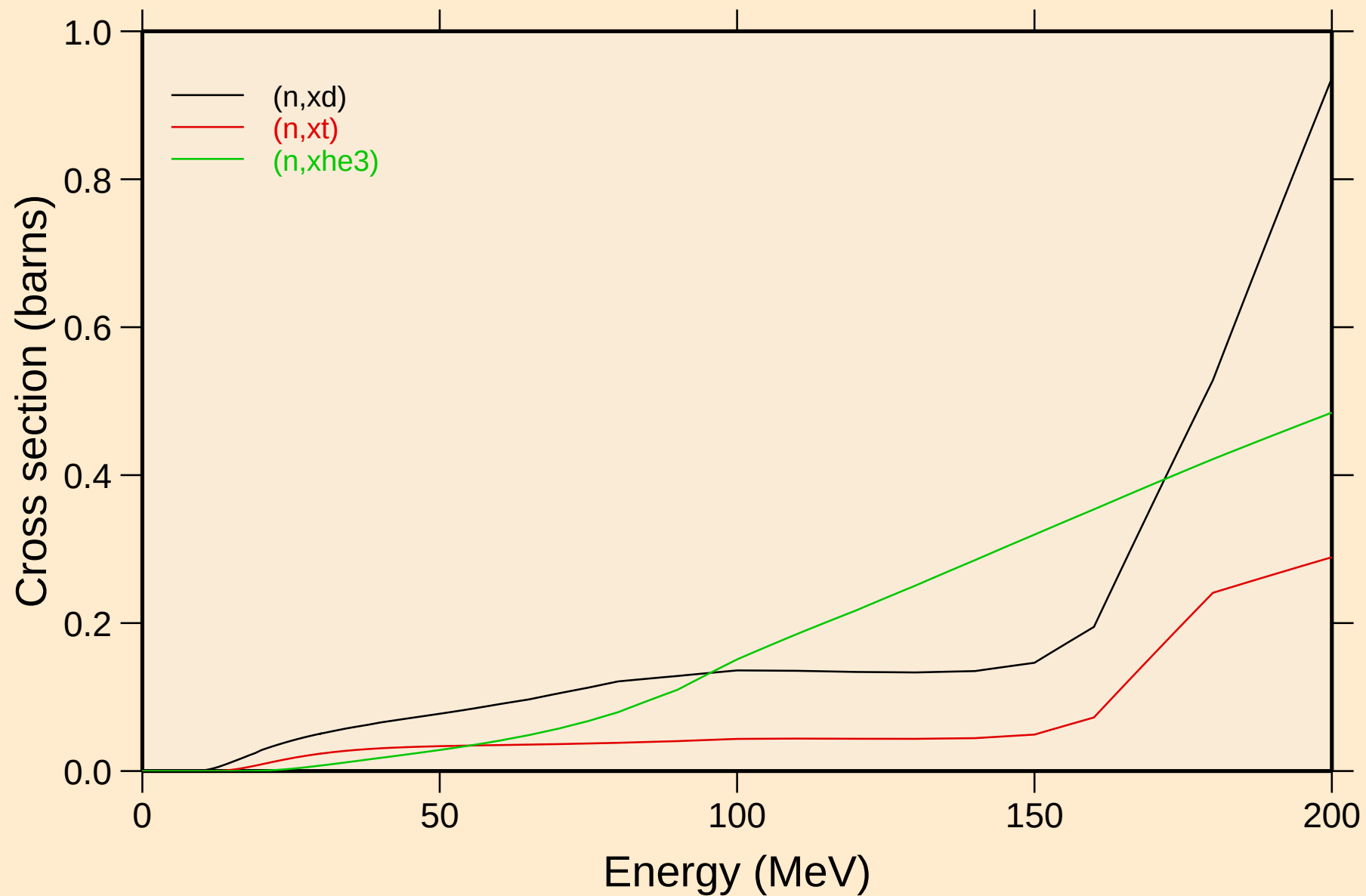
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Threshold reactions



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

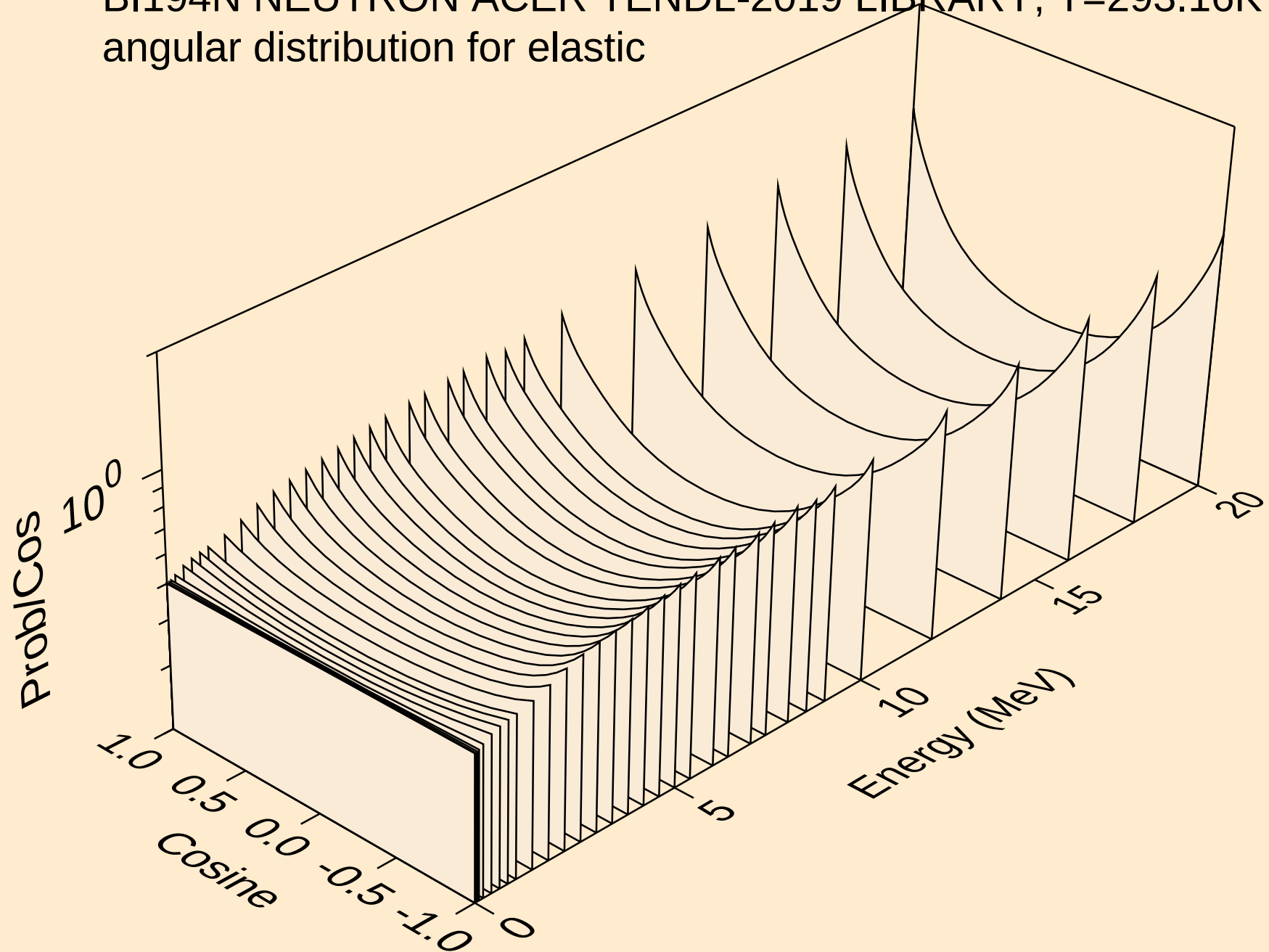


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

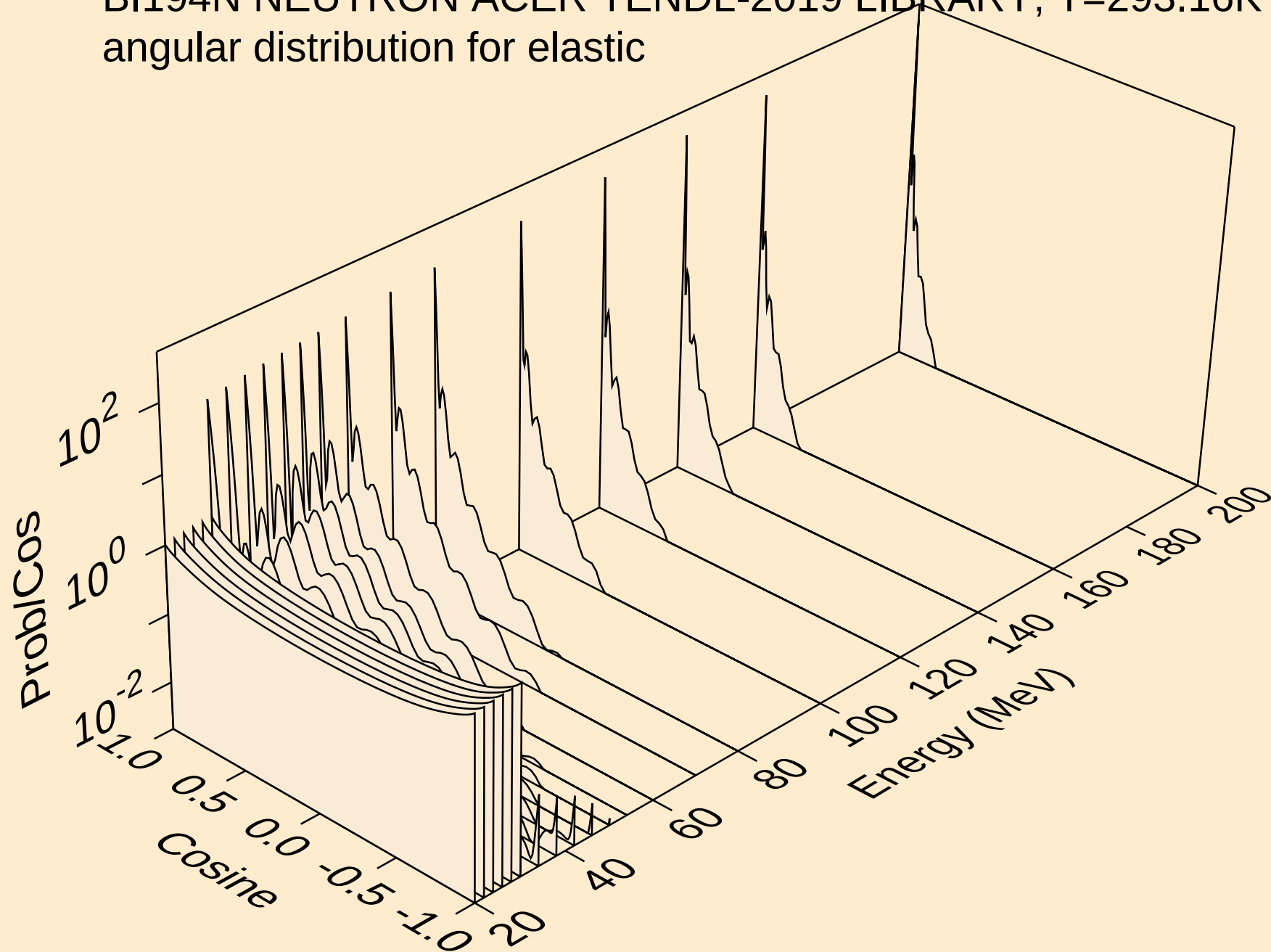




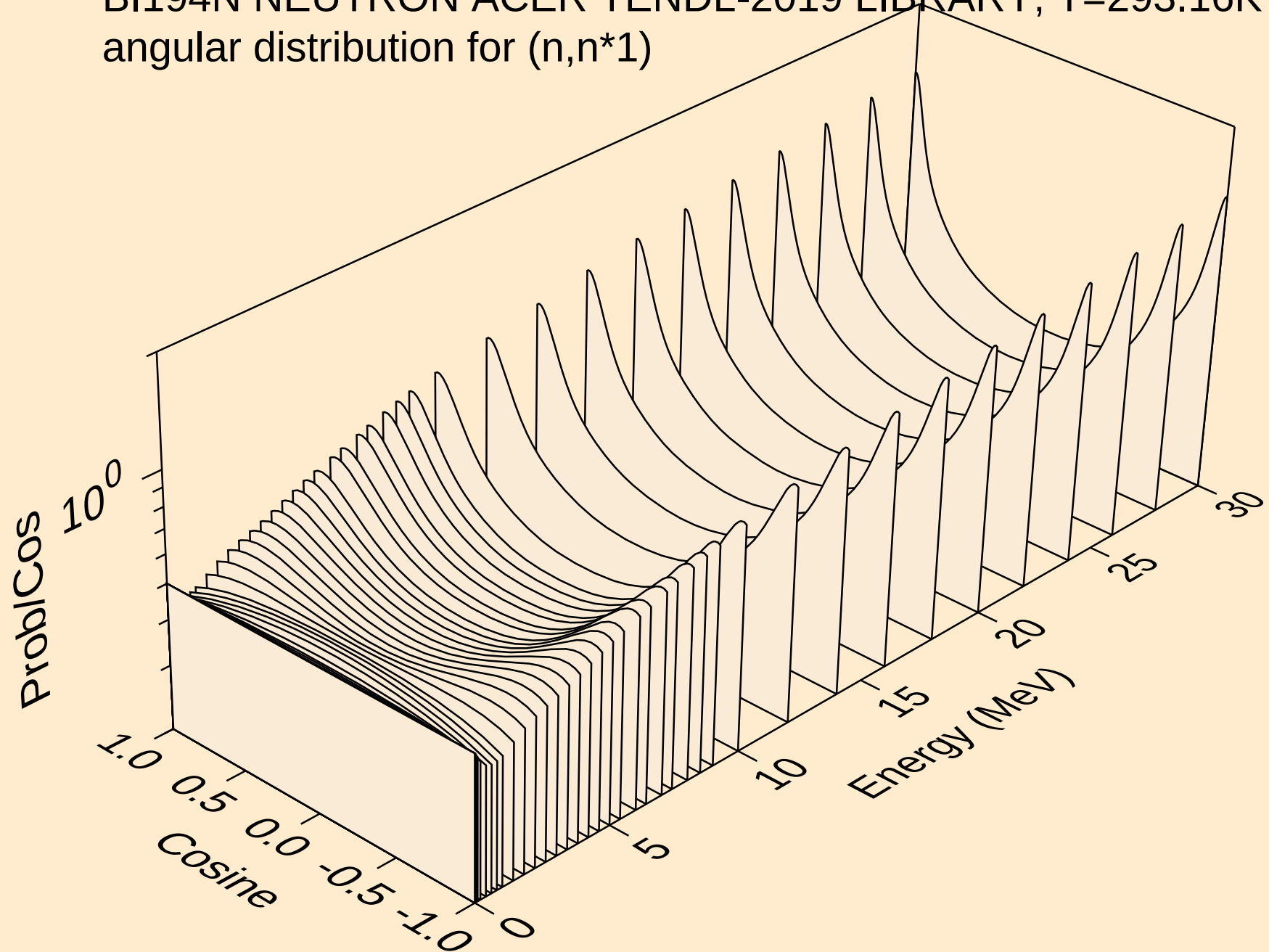
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angular distribution for elastic



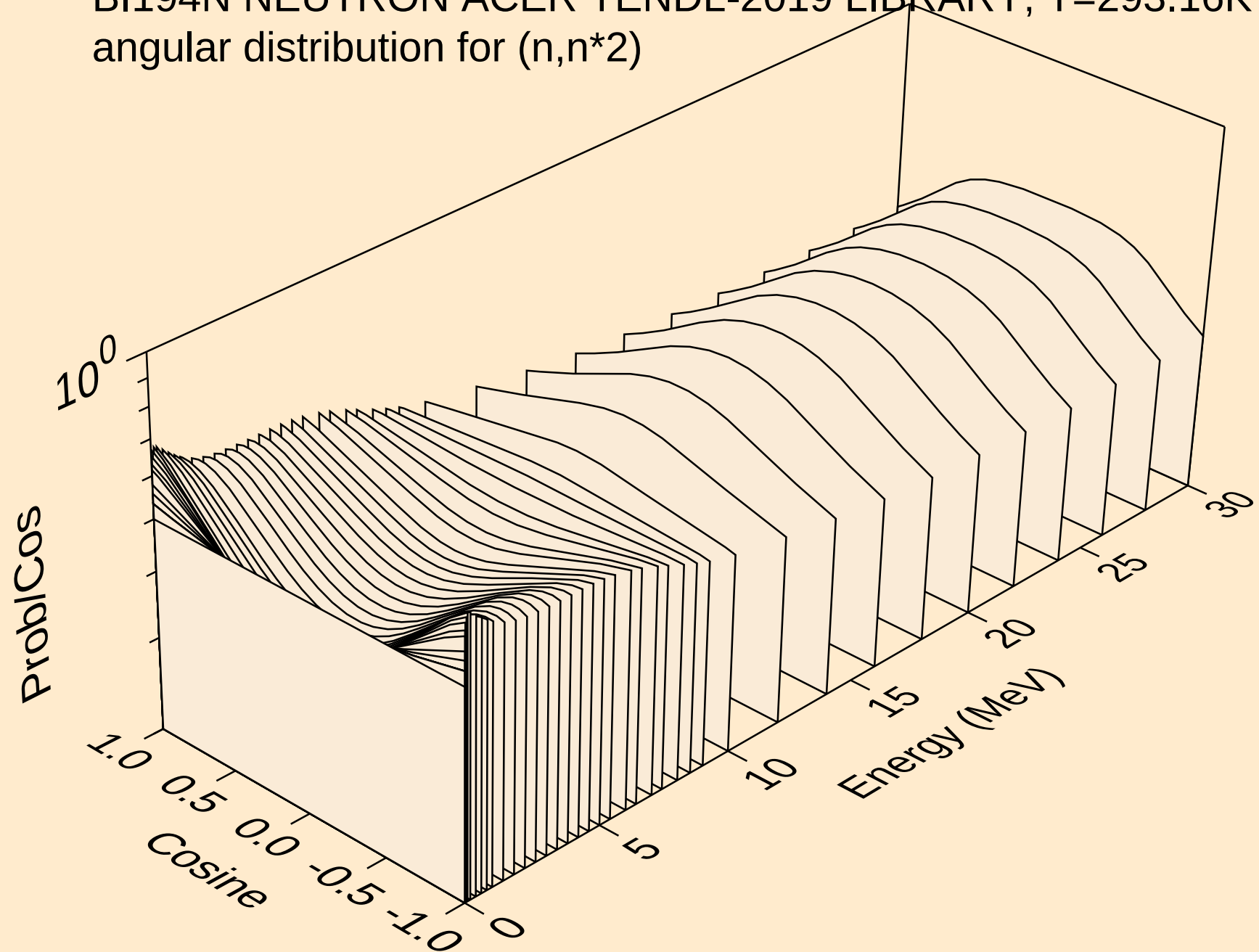
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angular distribution for elastic



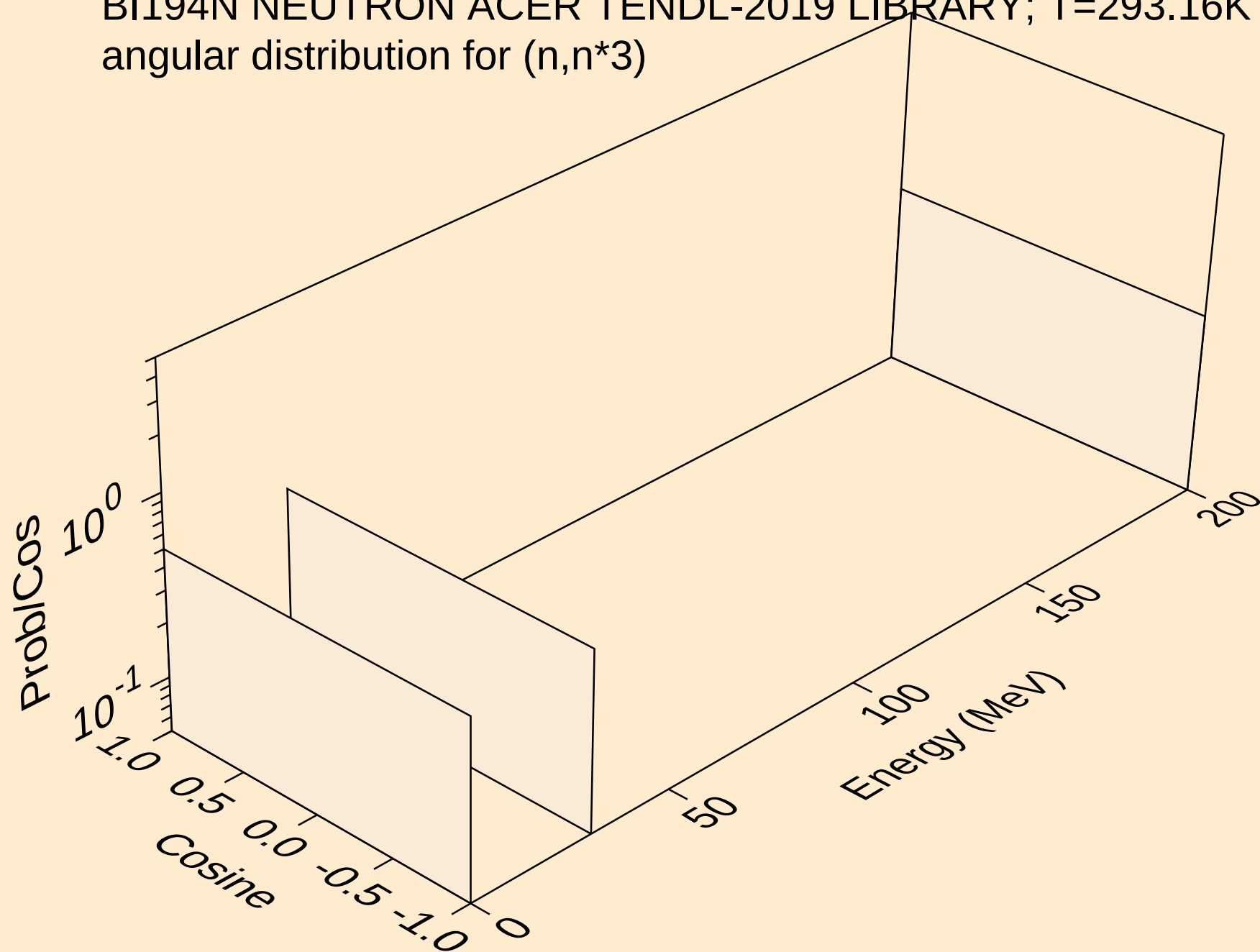
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angular distribution for (n,n\*1)



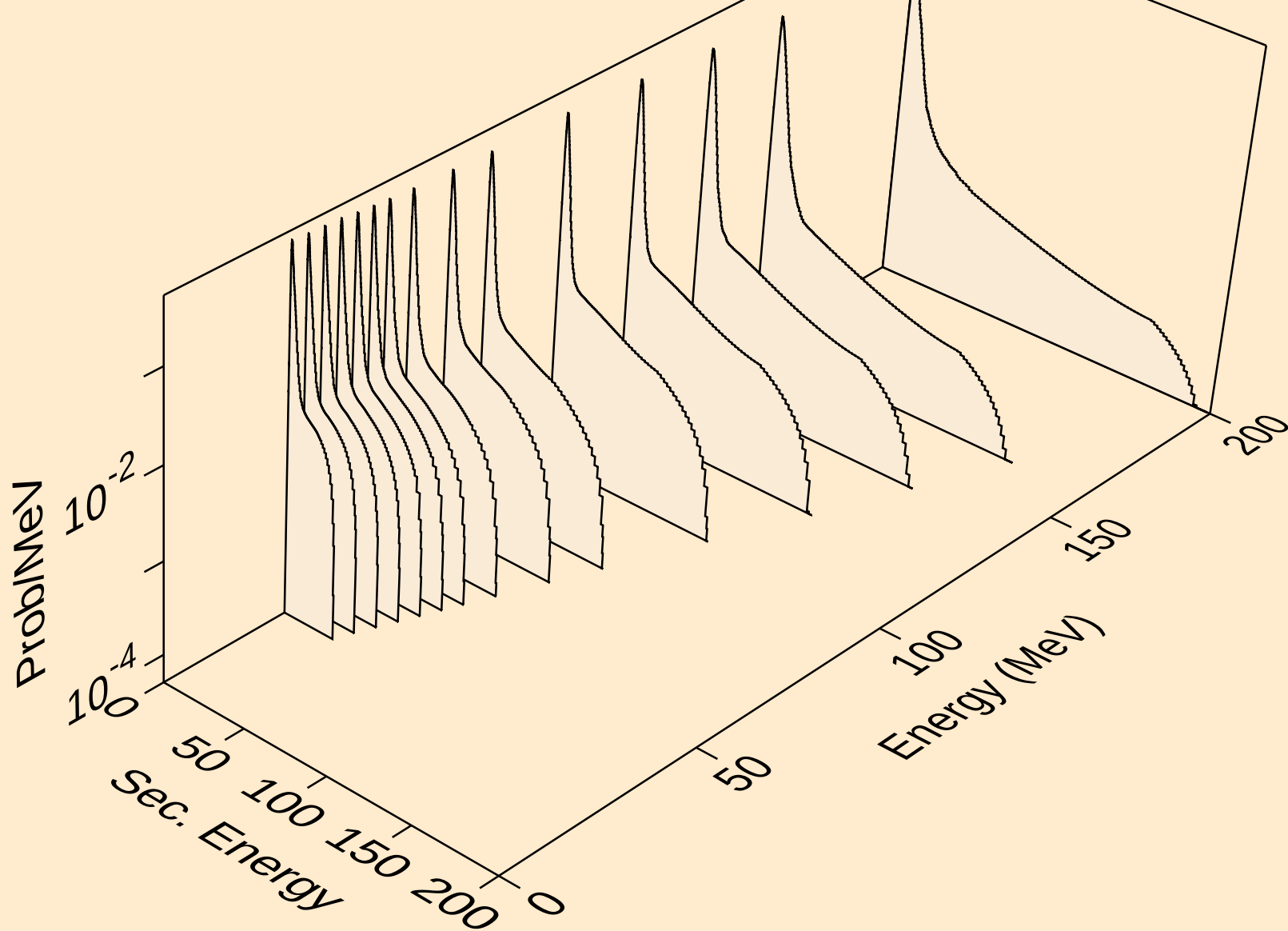
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angular distribution for (n,n\*)



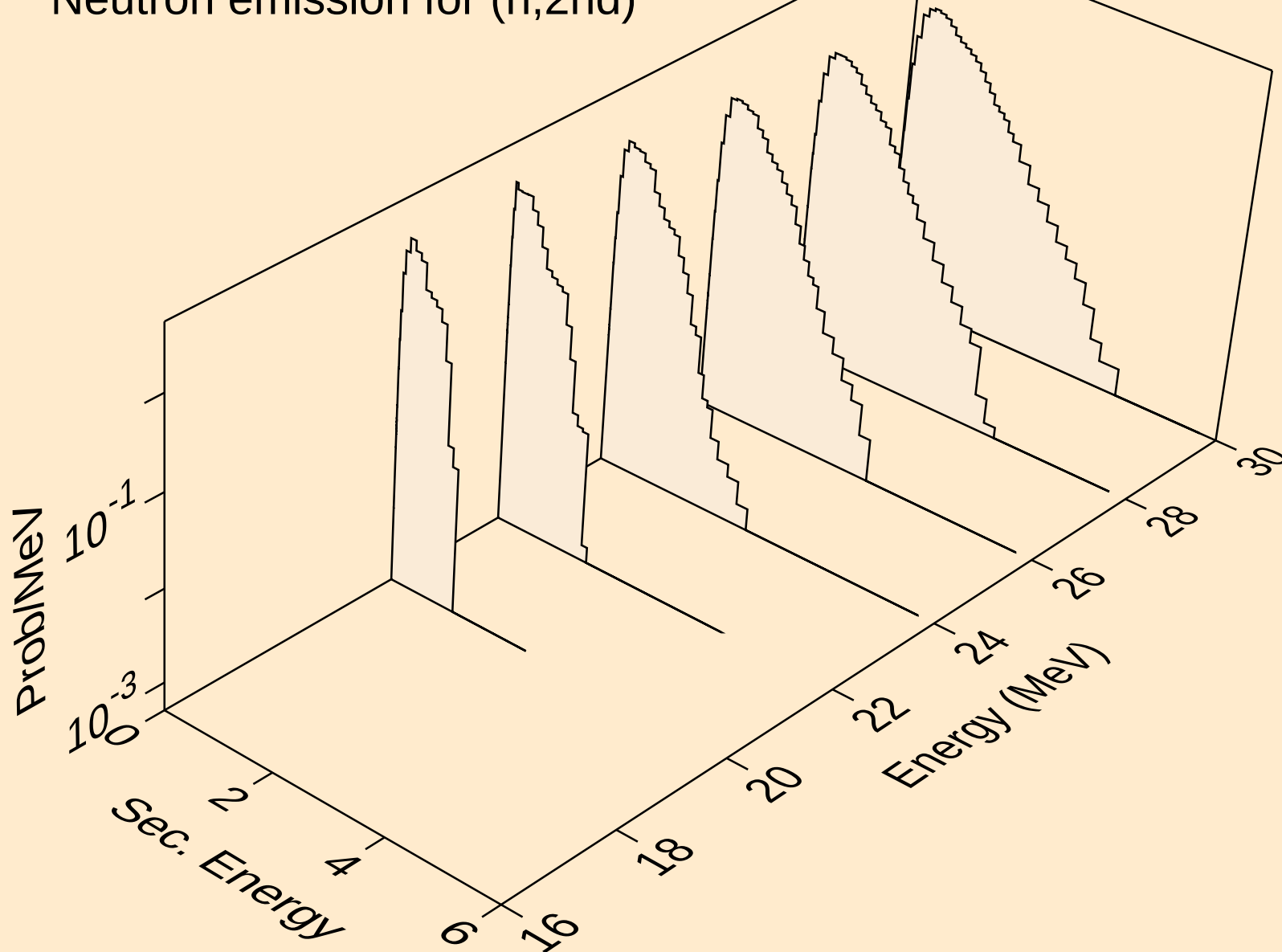
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angular distribution for (n,n\*3)



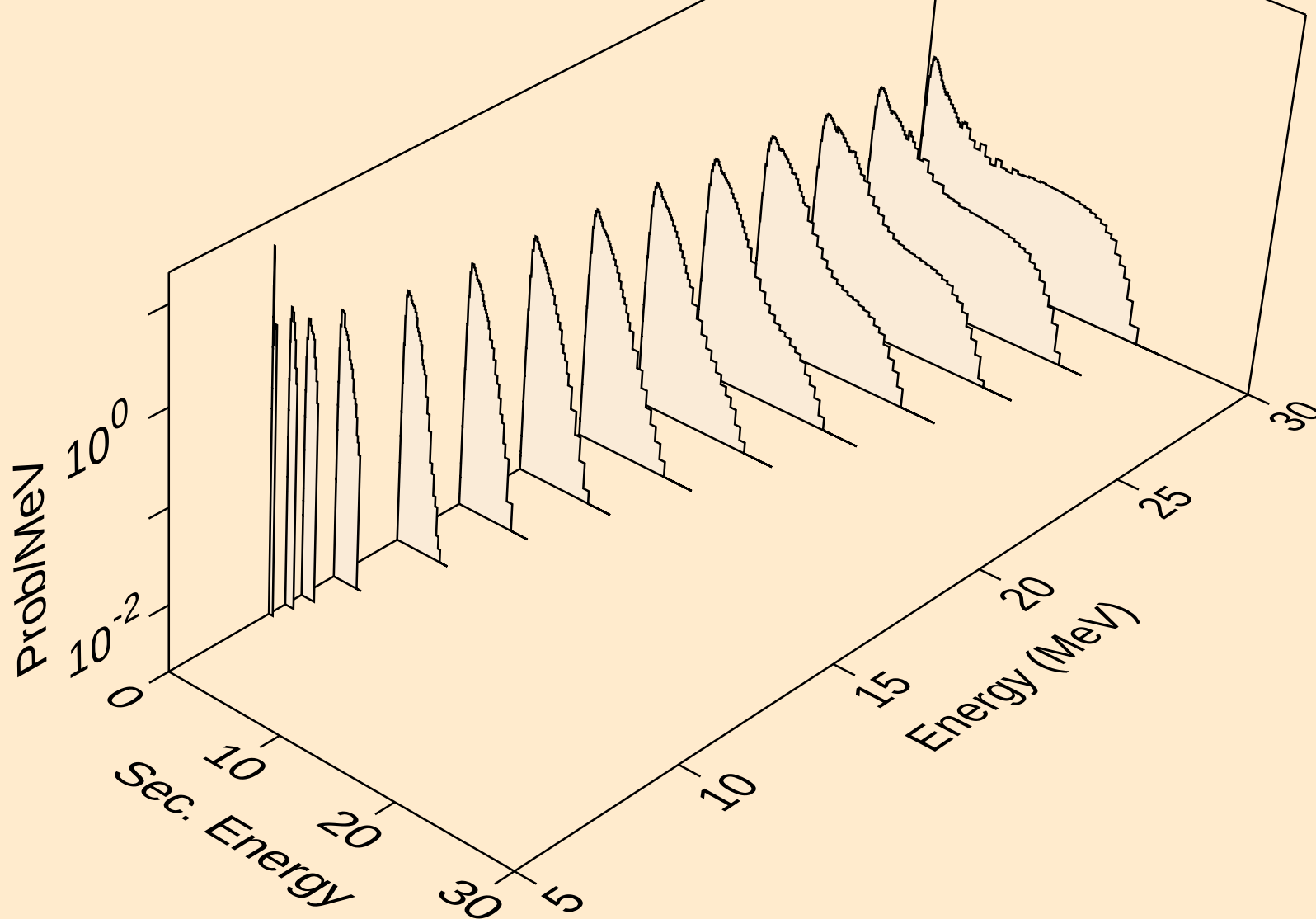
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

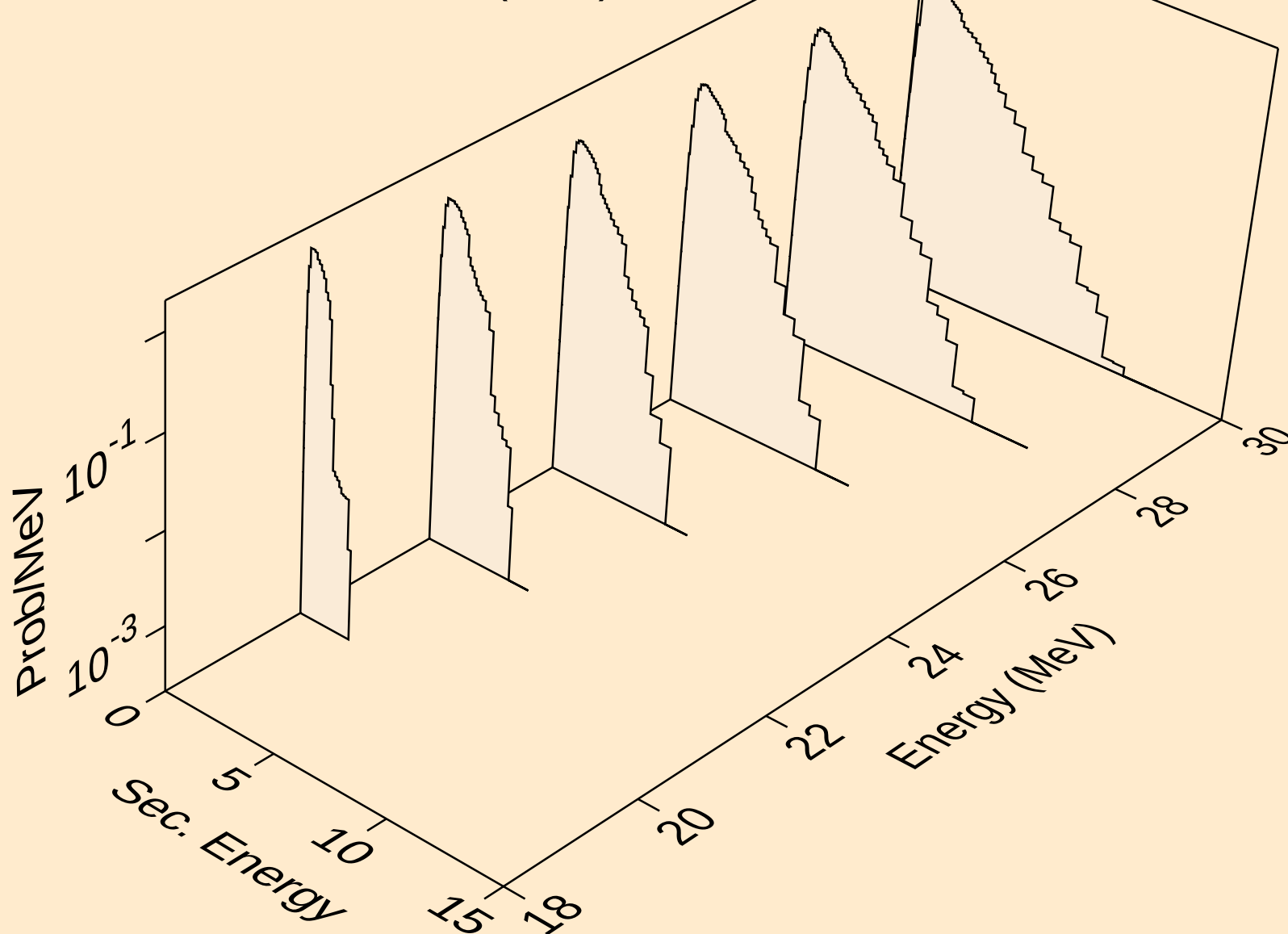


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Neutron emission for (n,2n)

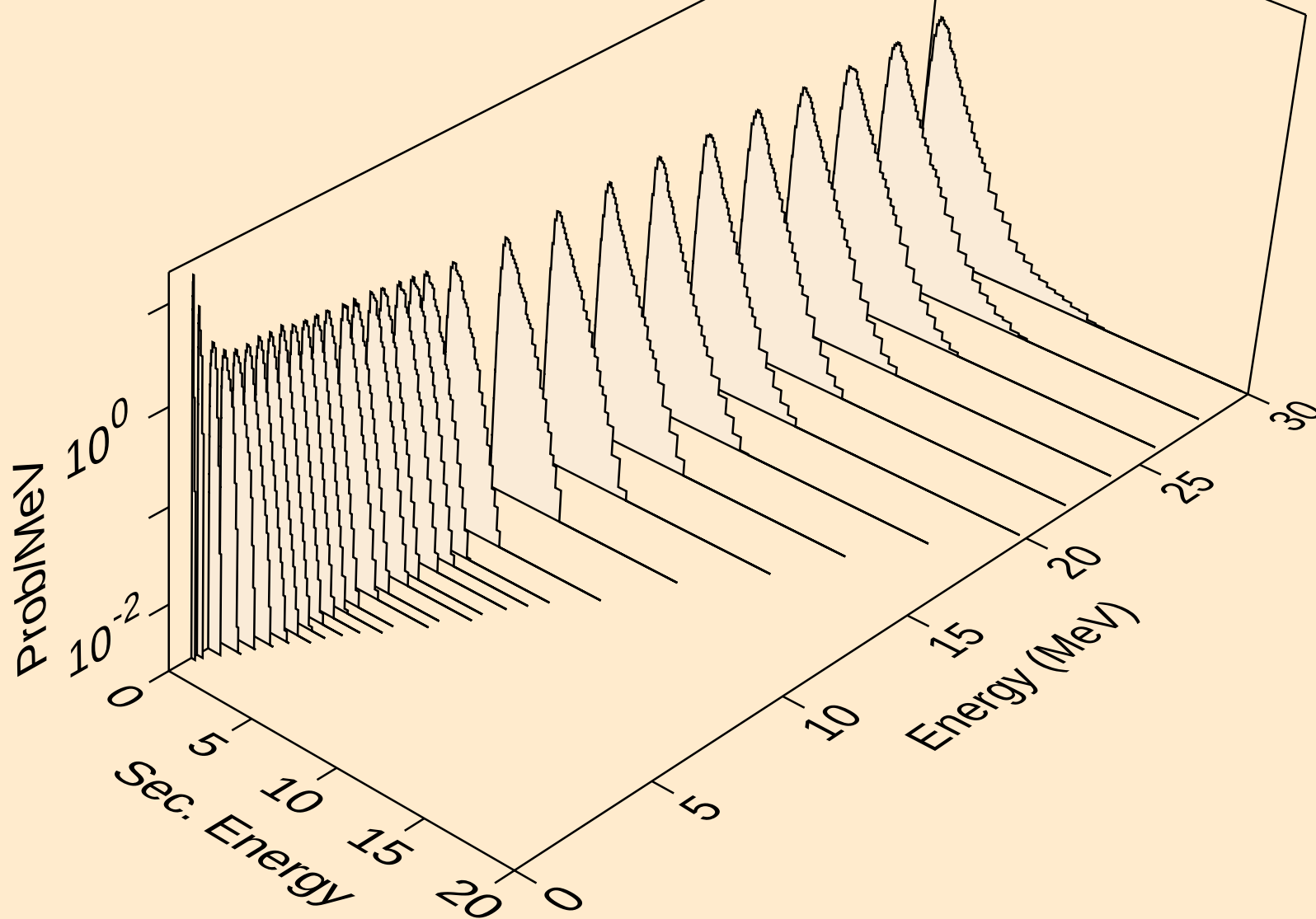




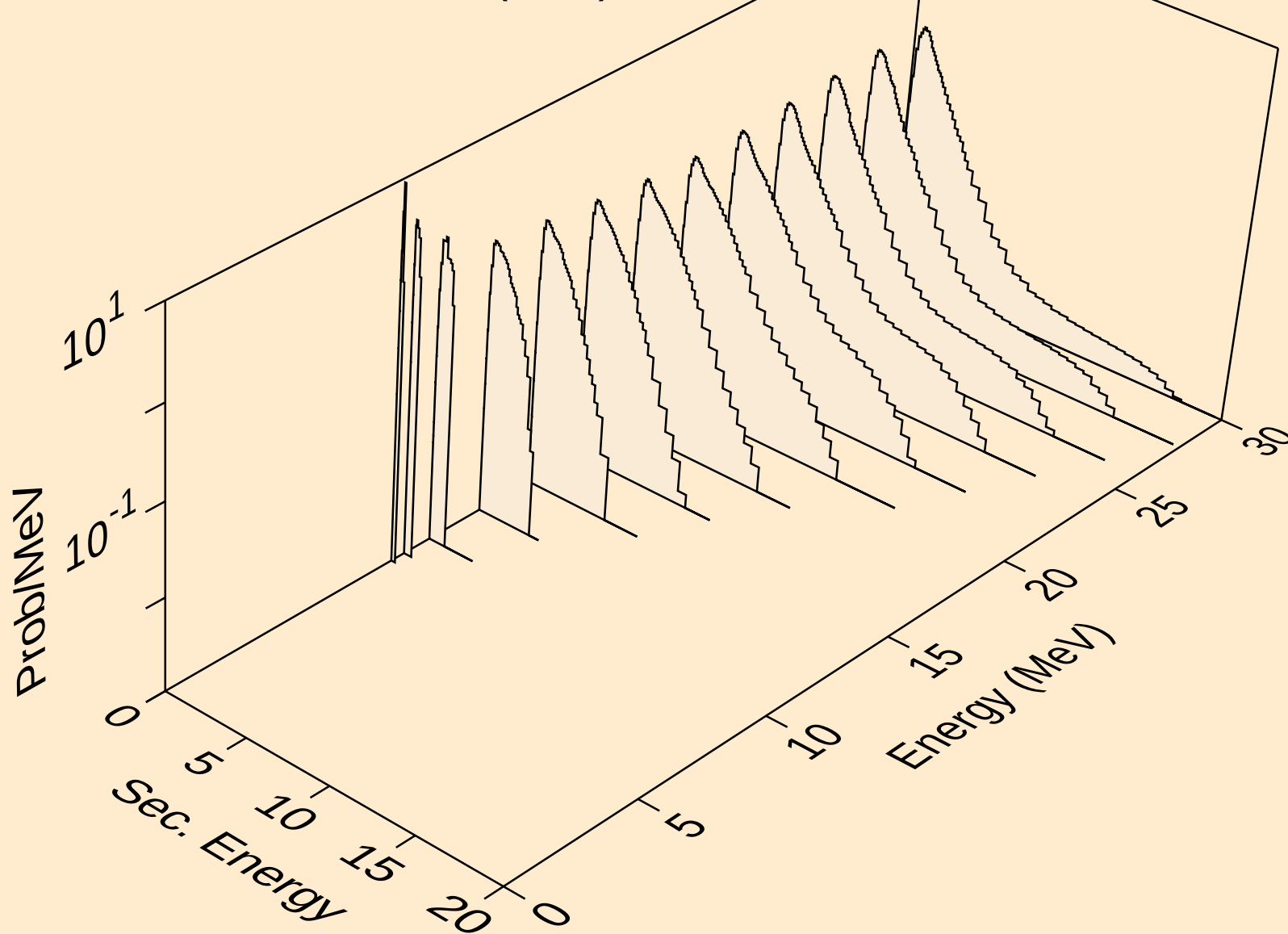
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Neutron emission for (n,3n)



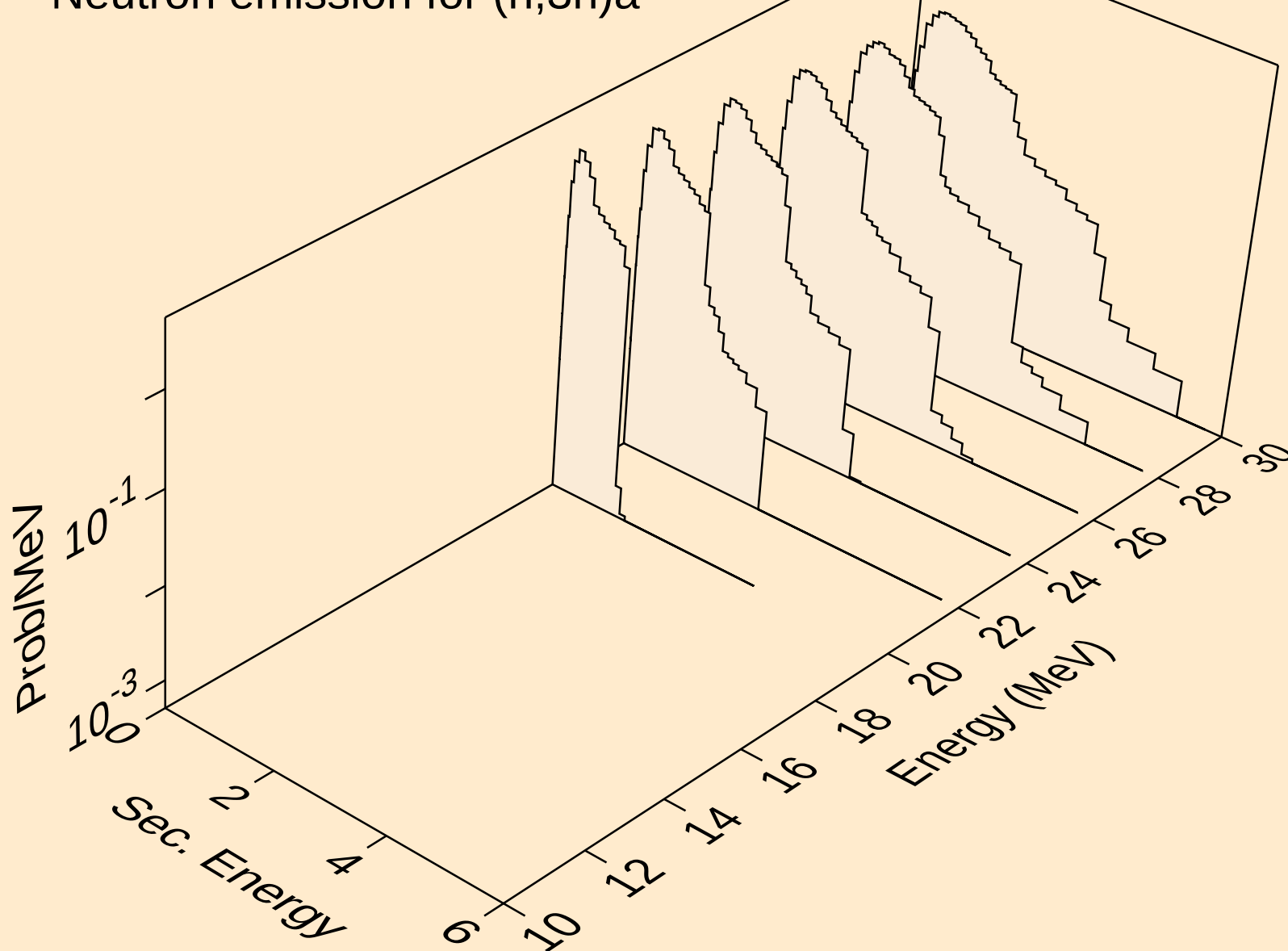
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Neutron emission for (n,n\*)a



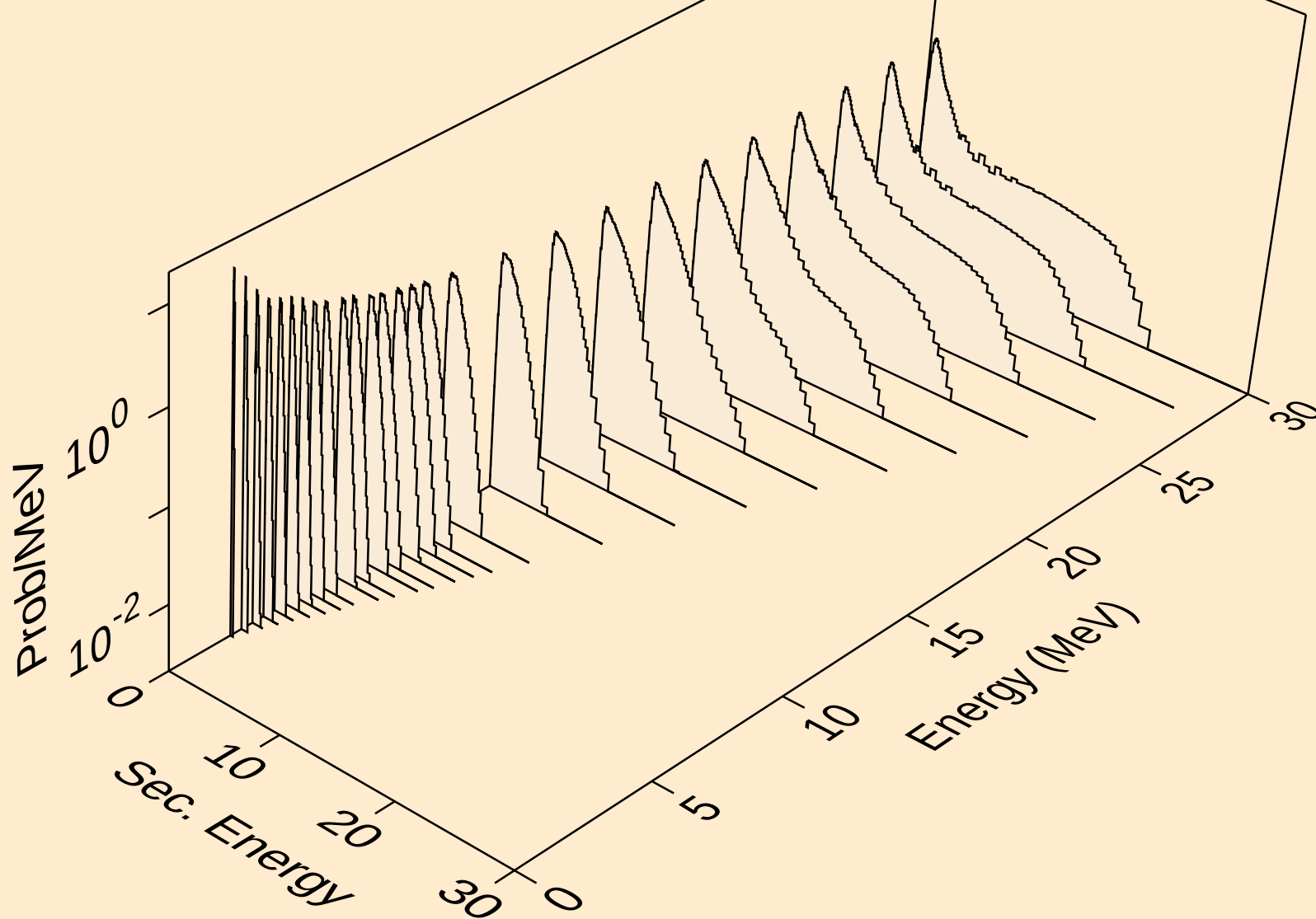
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Neutron emission for (n,2n)<sub>a</sub>



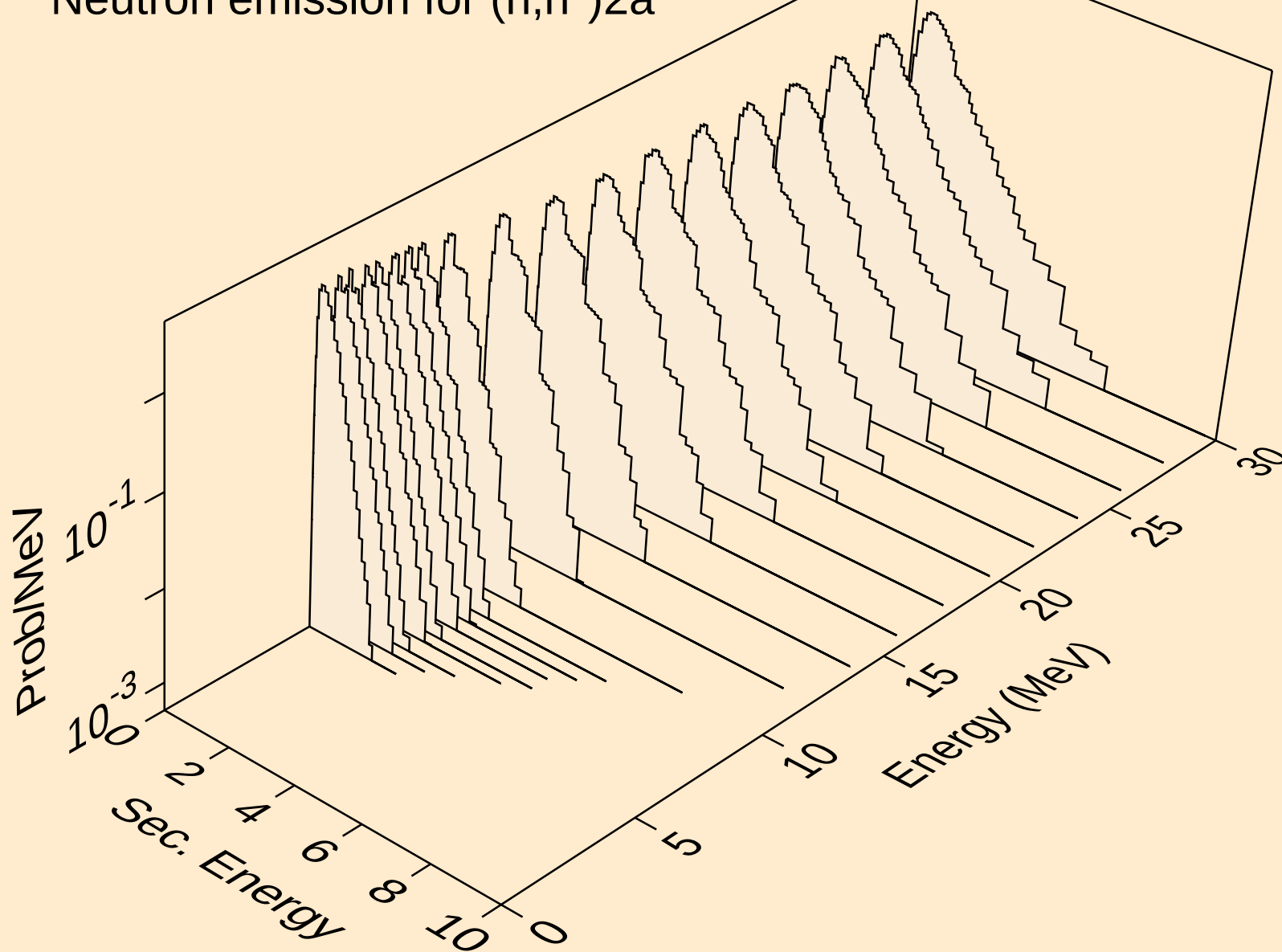
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Neutron emission for (n,3n)a



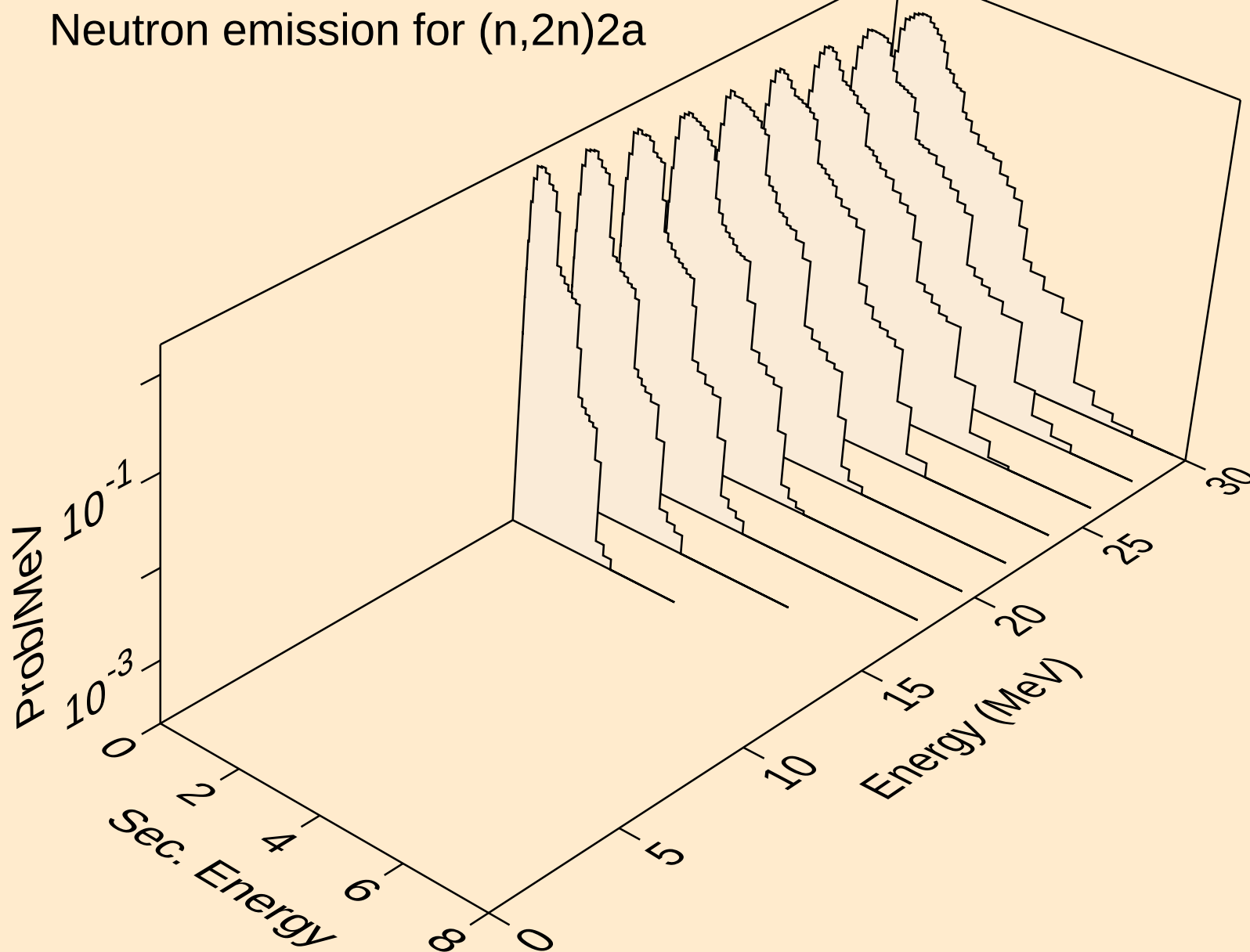
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Neutron emission for (n,n\*)p



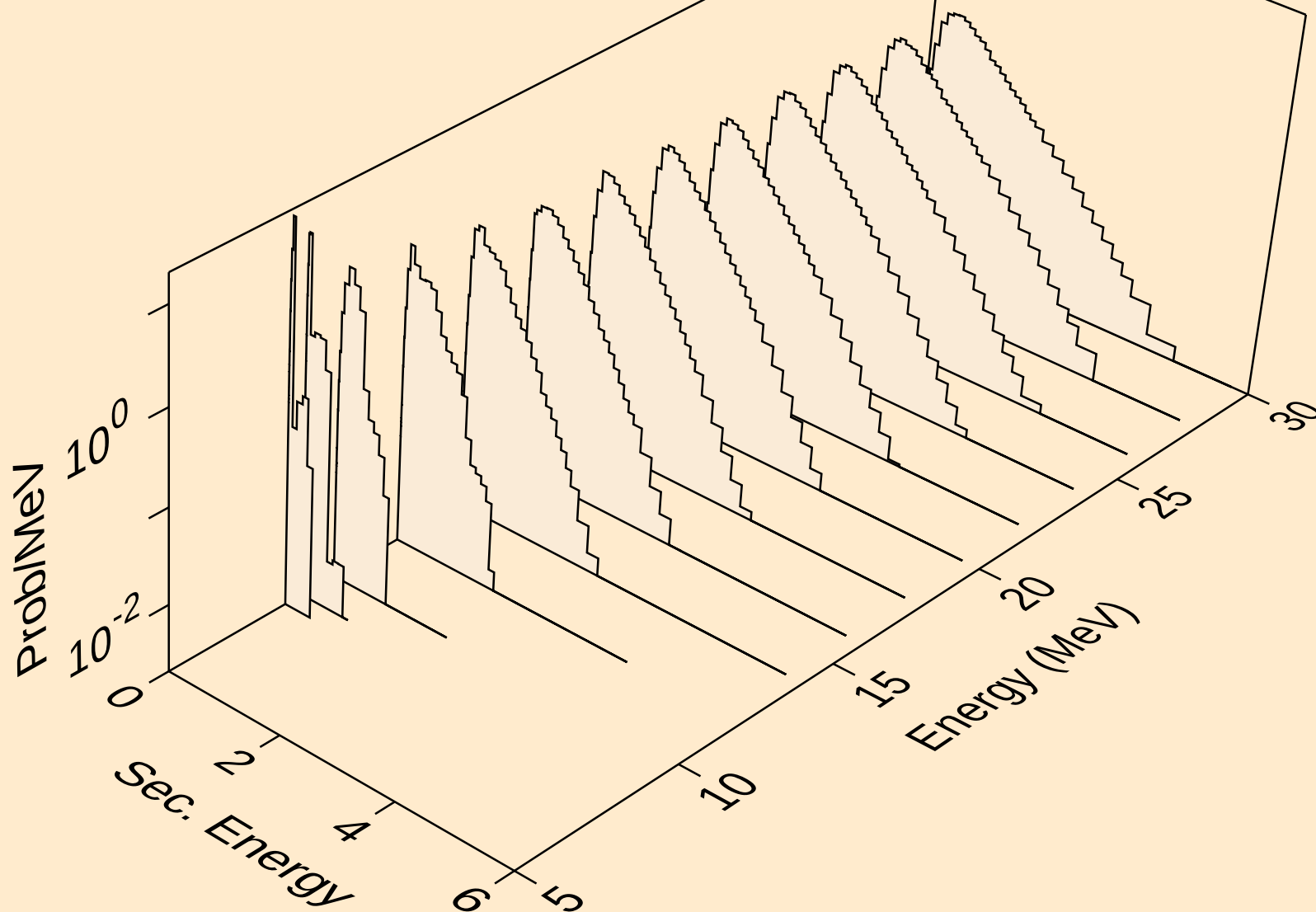
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Neutron emission for (n,n\*)2a



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a

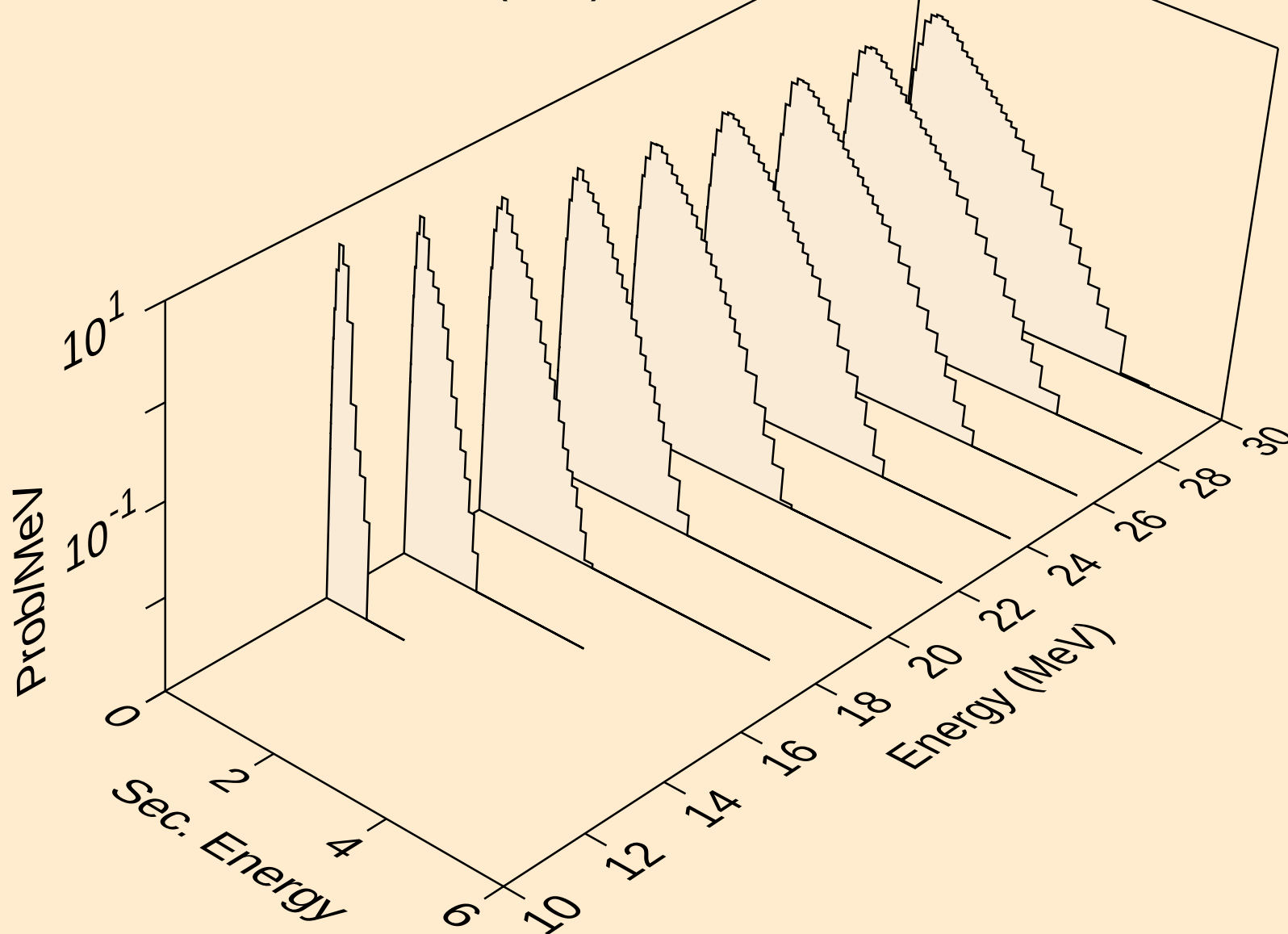


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Neutron emission for (n,n\*)d

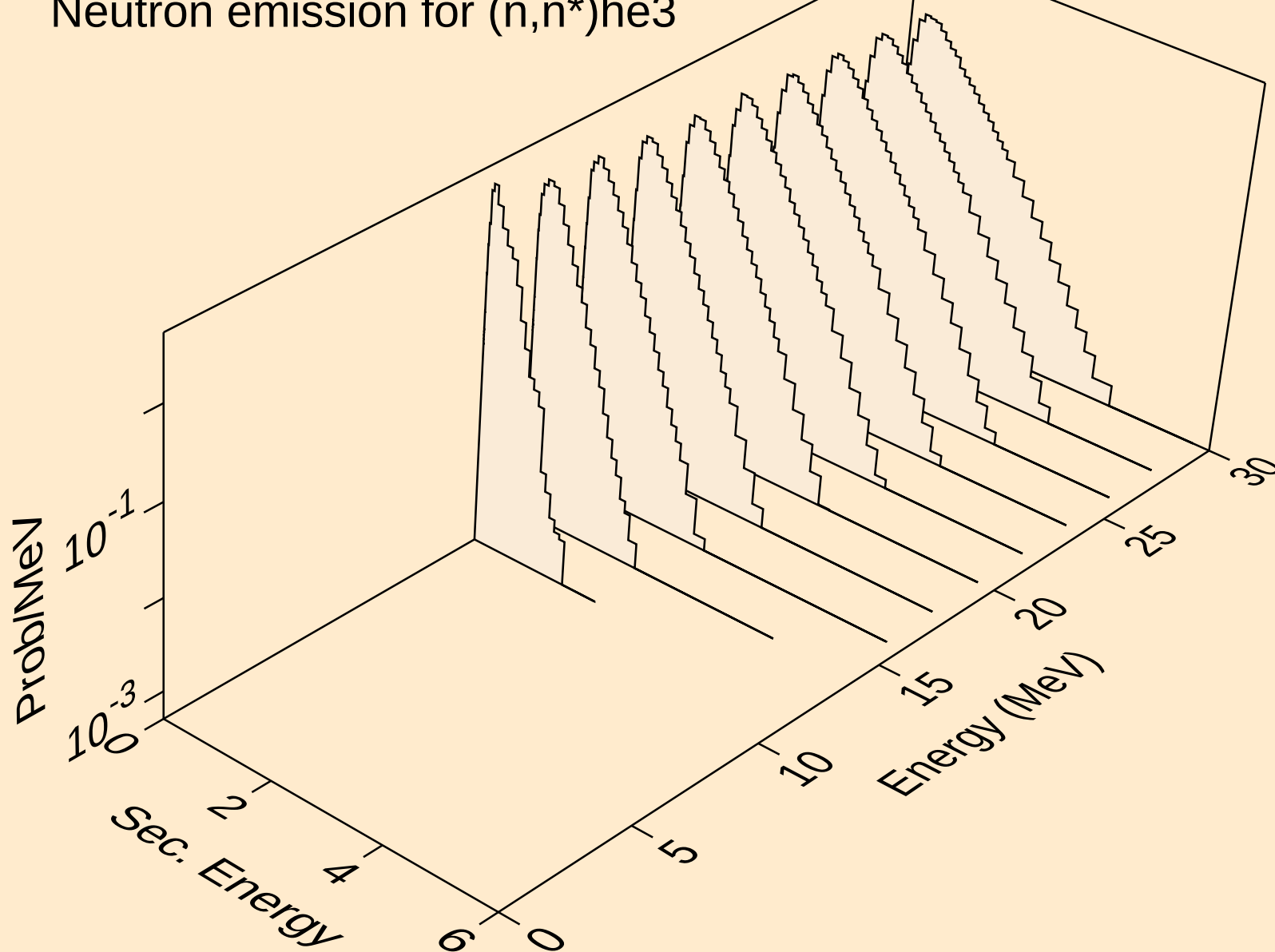




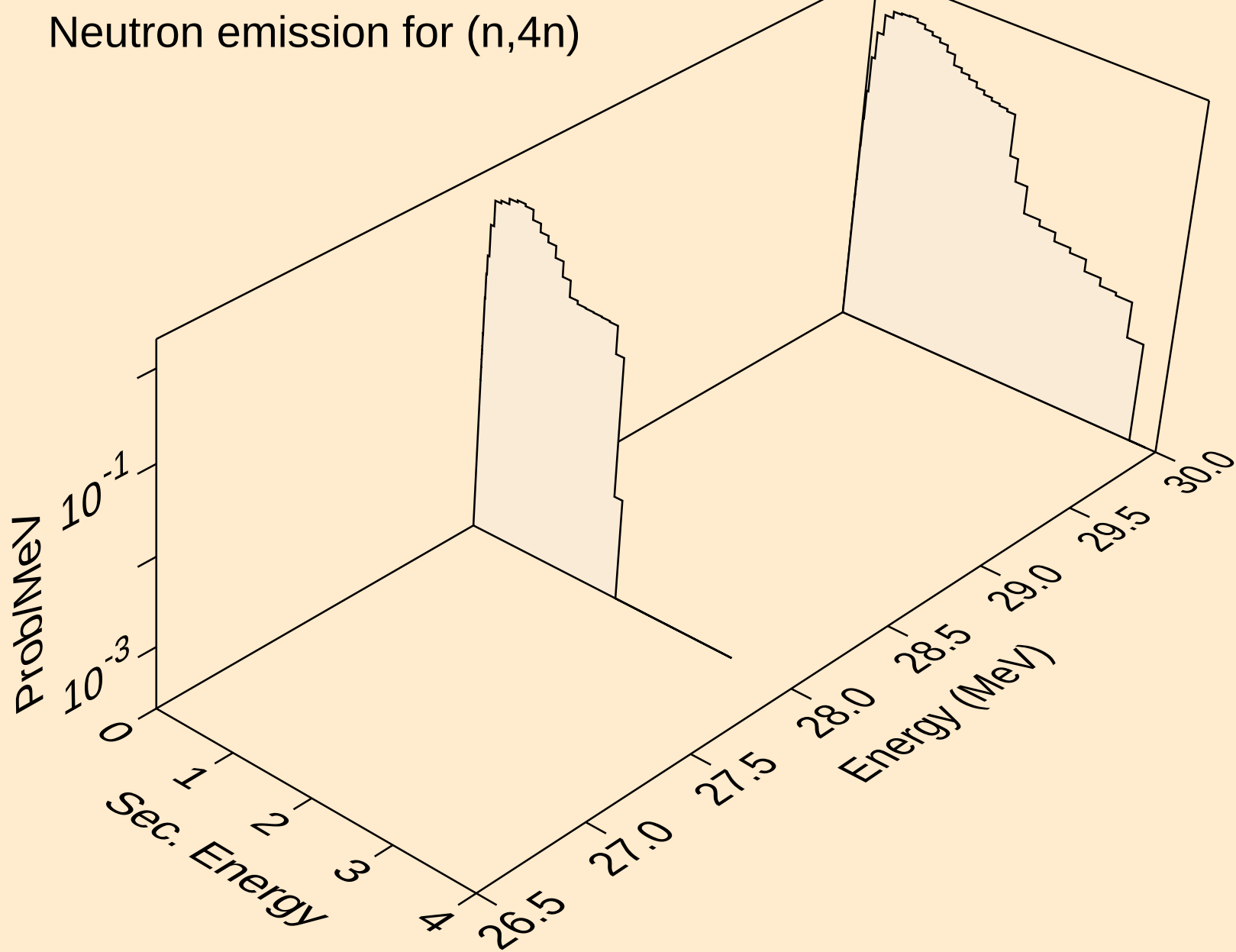
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



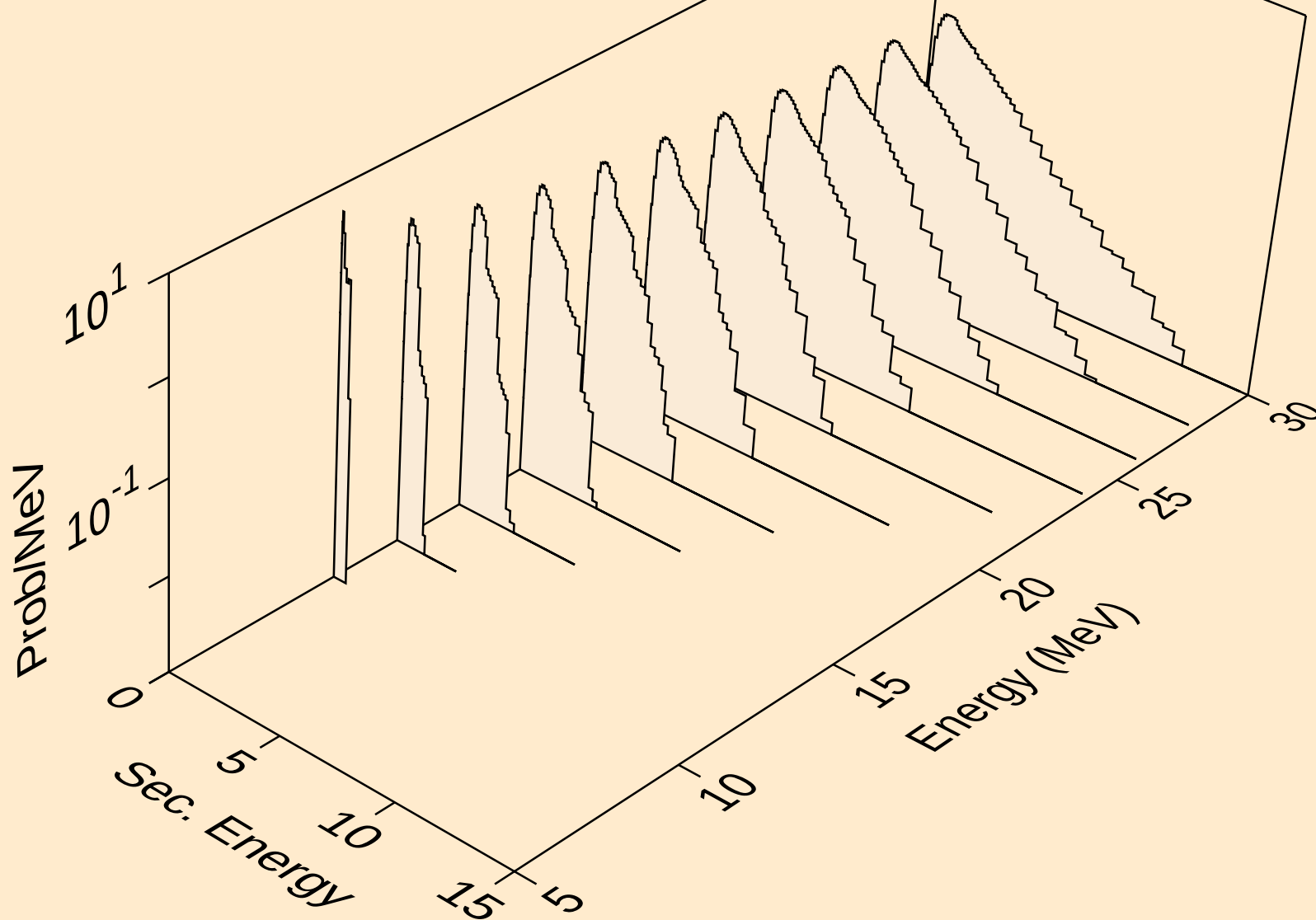
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



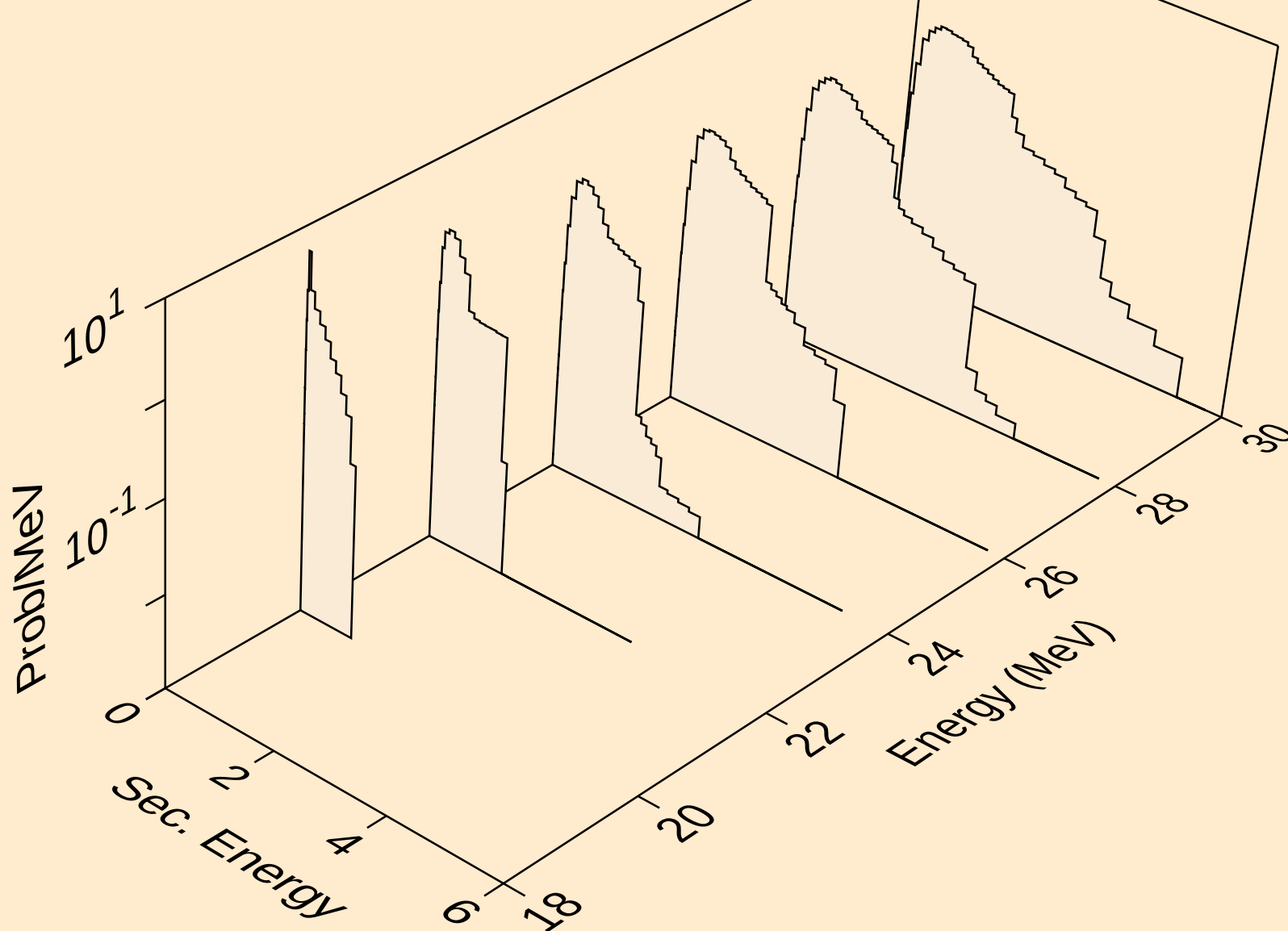
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Neutron emission for (n,4n)



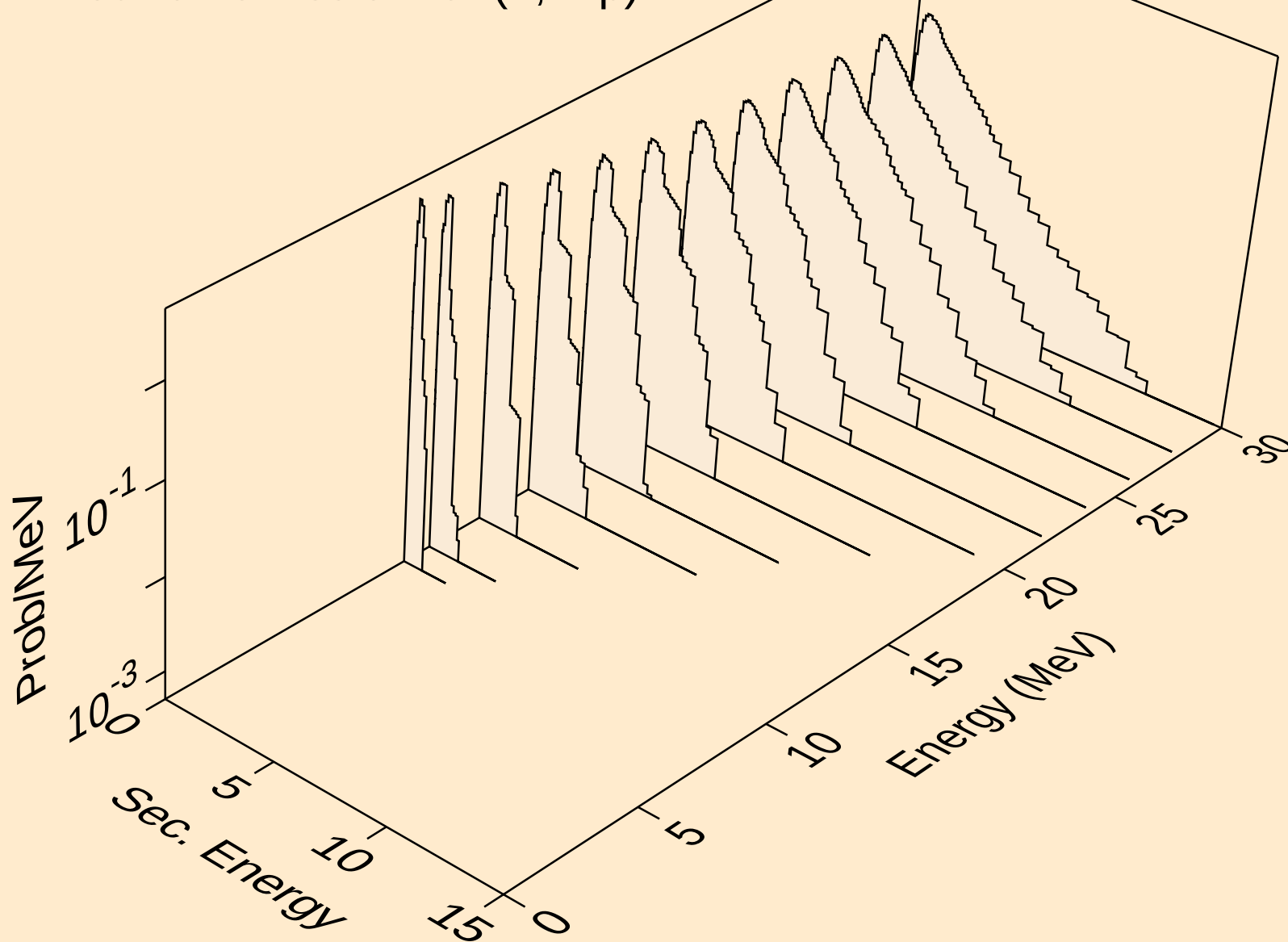
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Neutron emission for (n,2np)



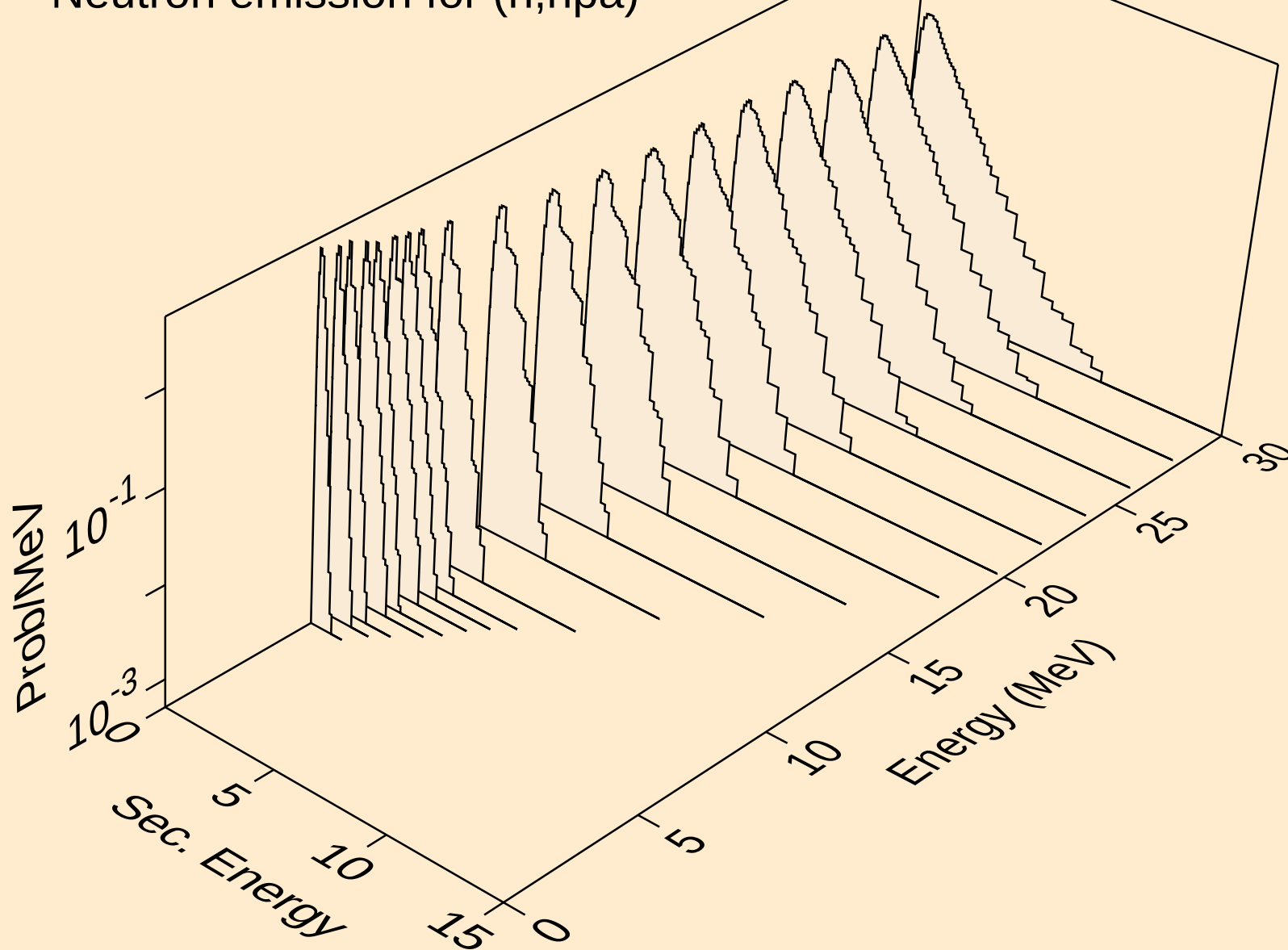
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Neutron emission for (n,3np)



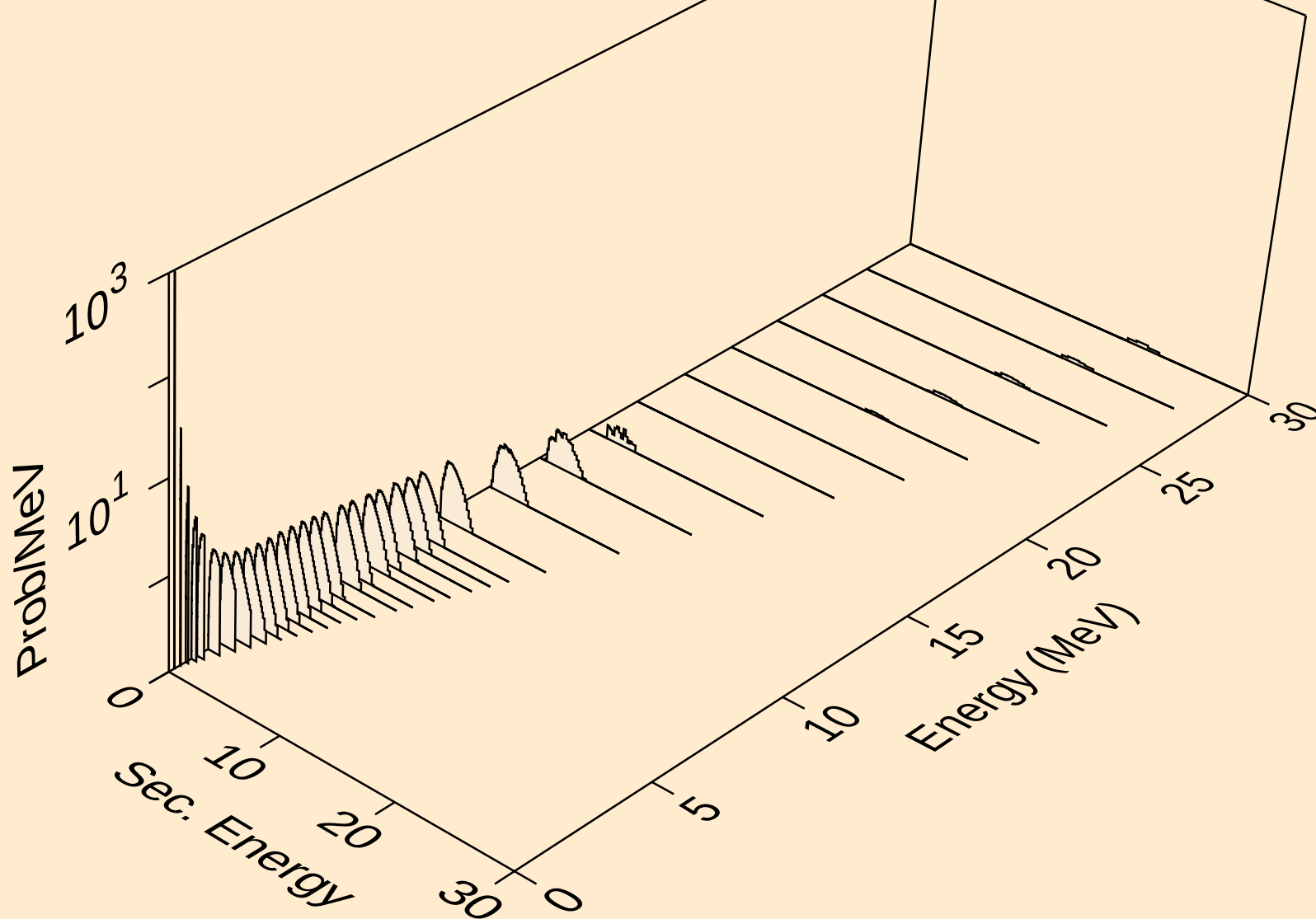
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Neutron emission for (n,2np)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

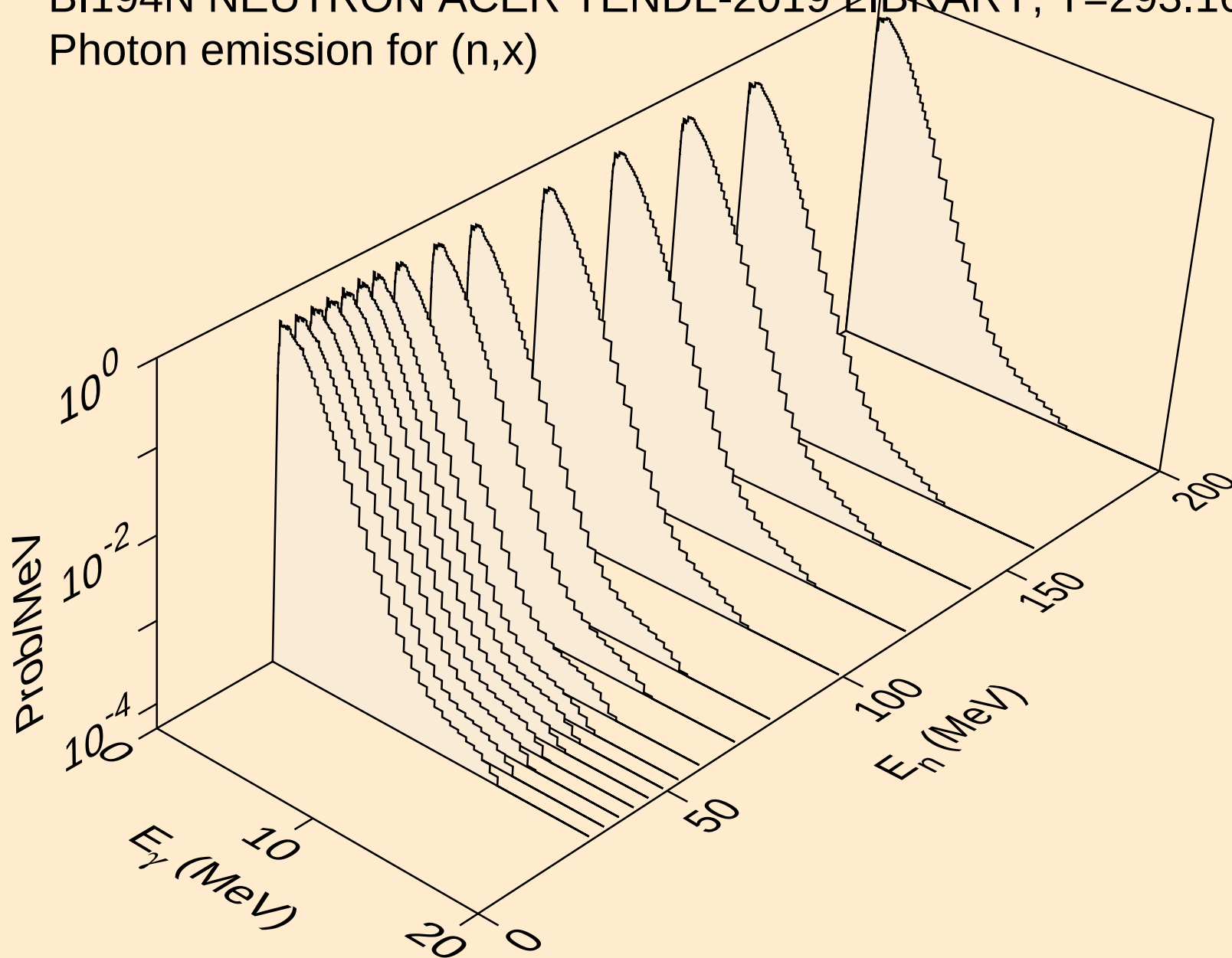


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

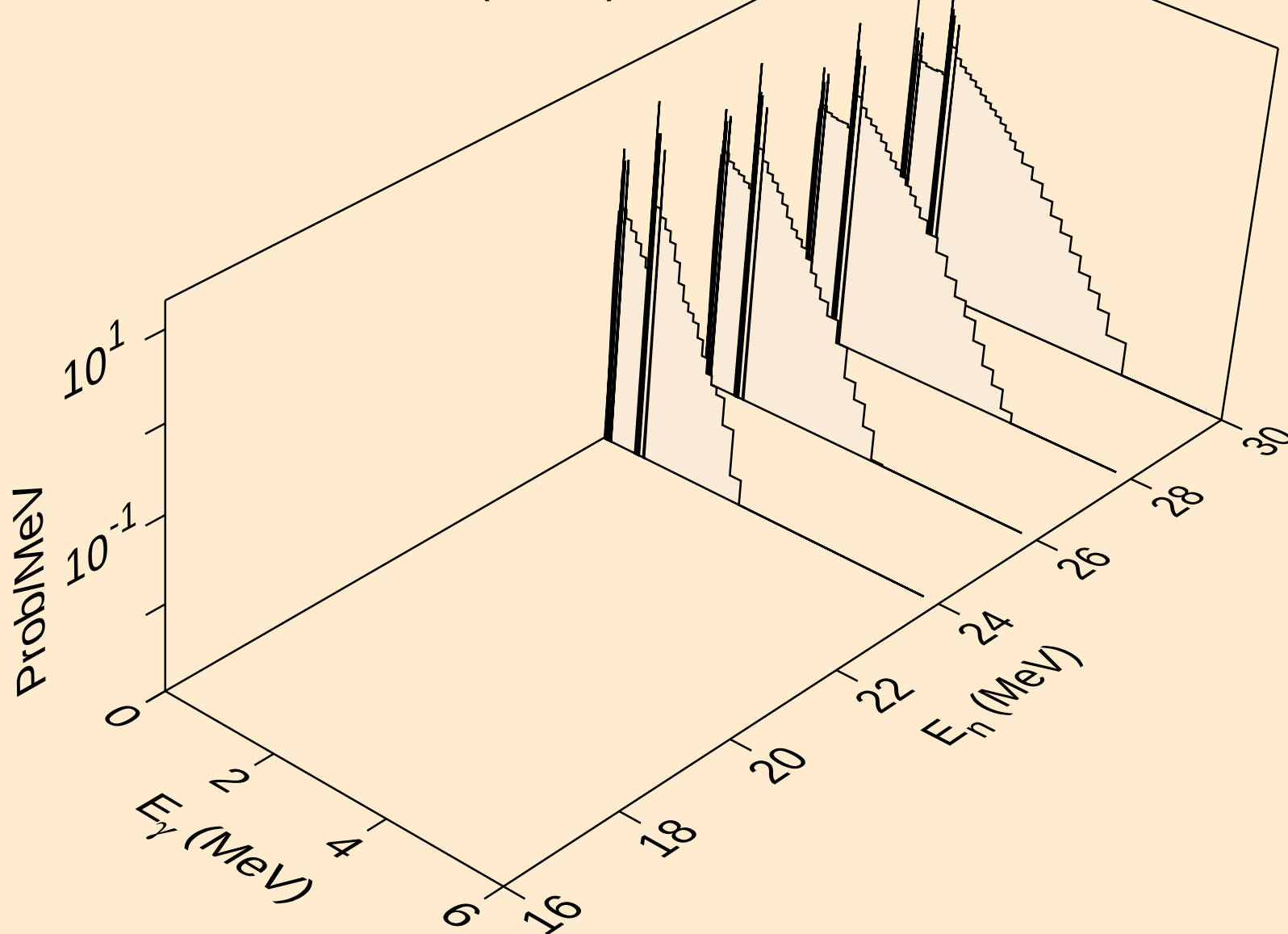




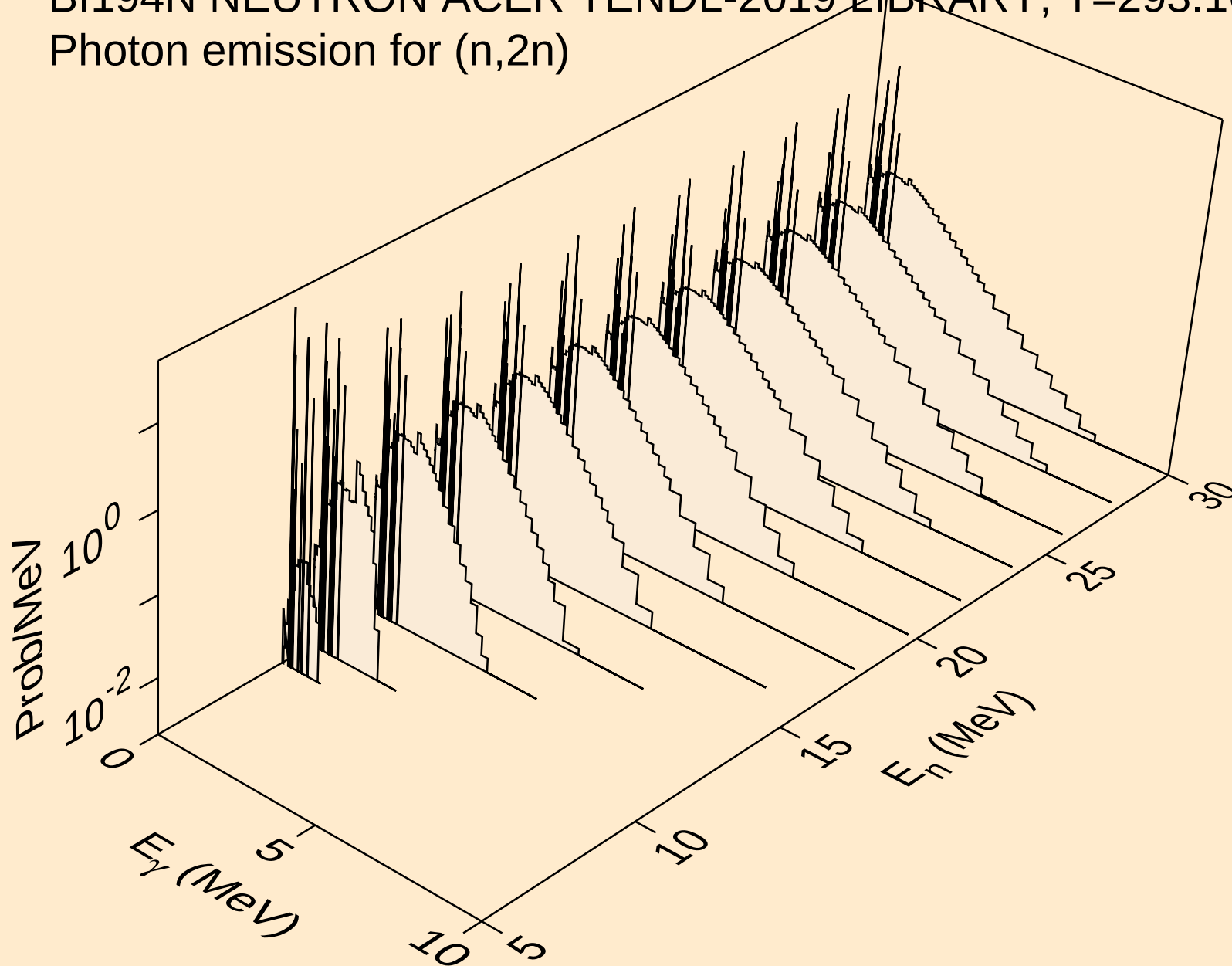
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Photon emission for (n,x)



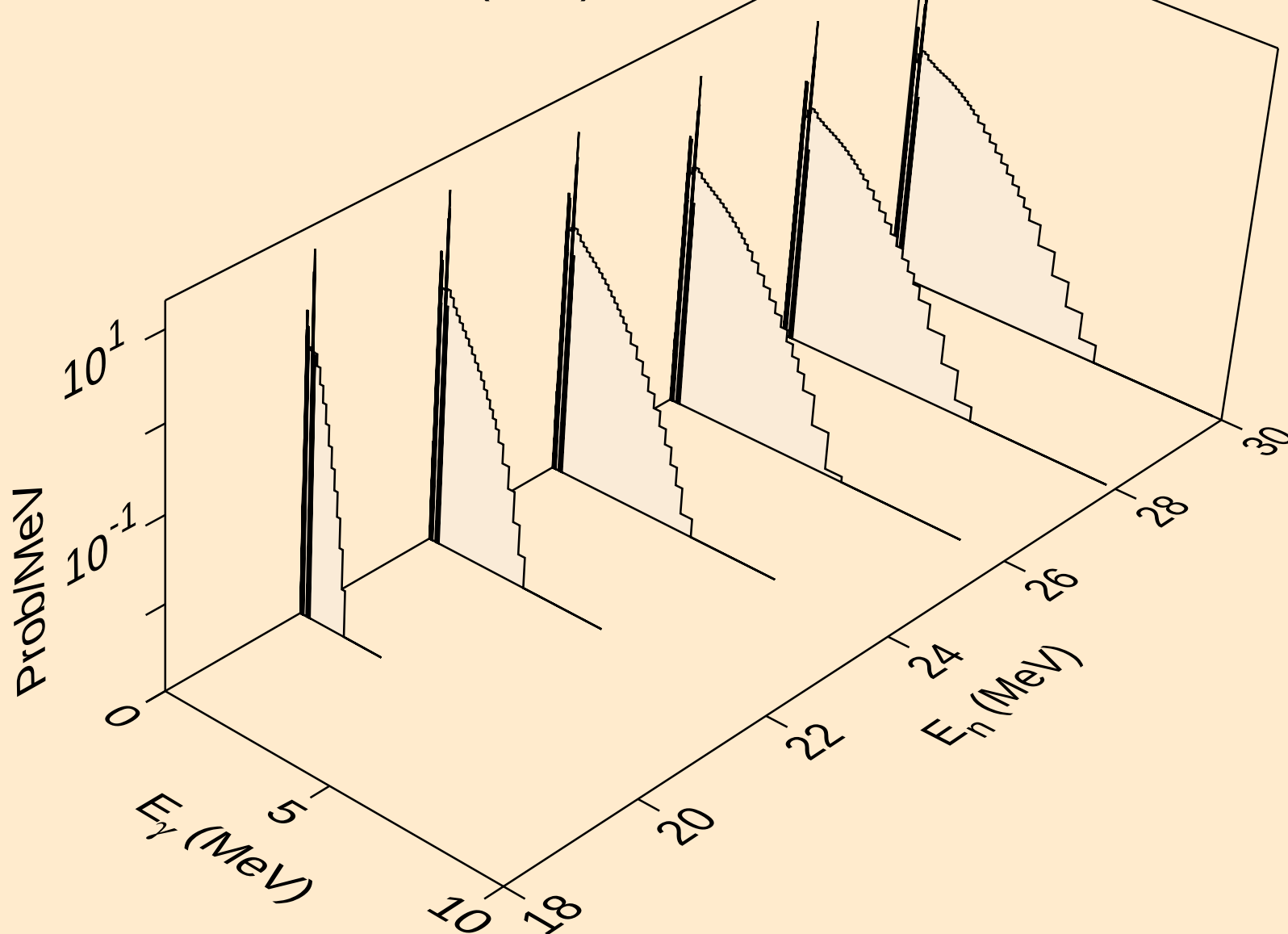
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Photon emission for (n,2nd)



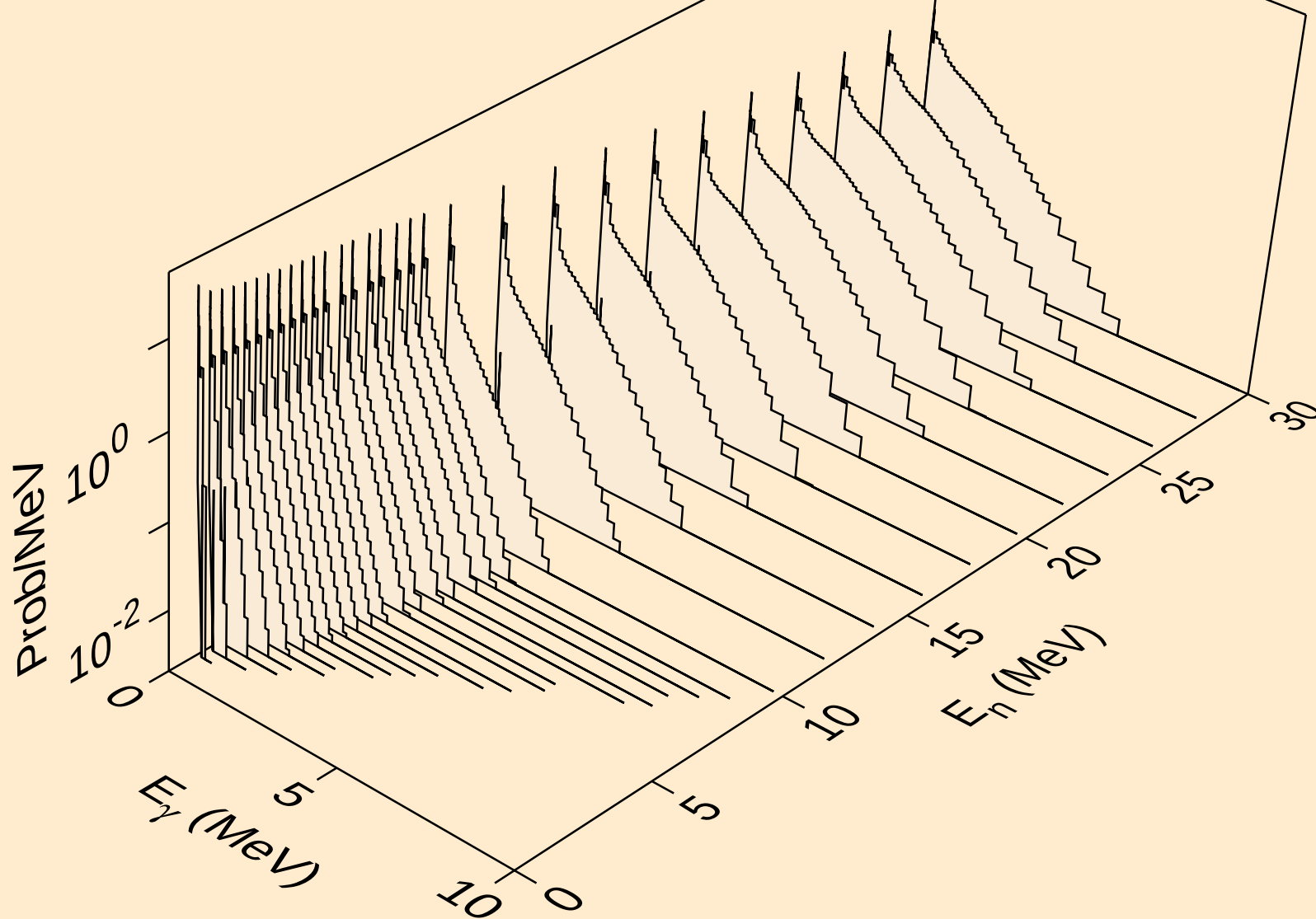
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Photon emission for (n,2n)



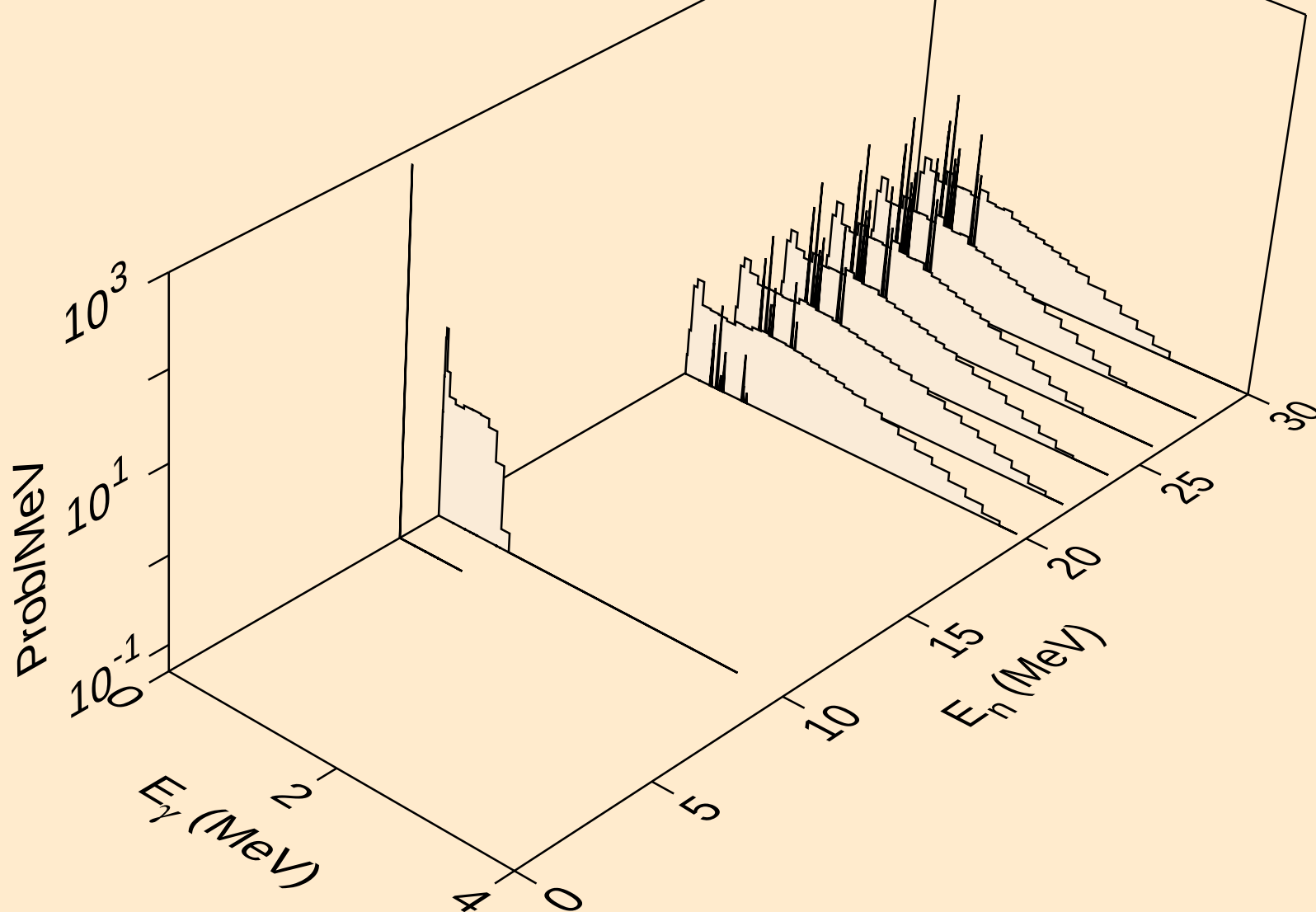
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Photon emission for (n,3n)



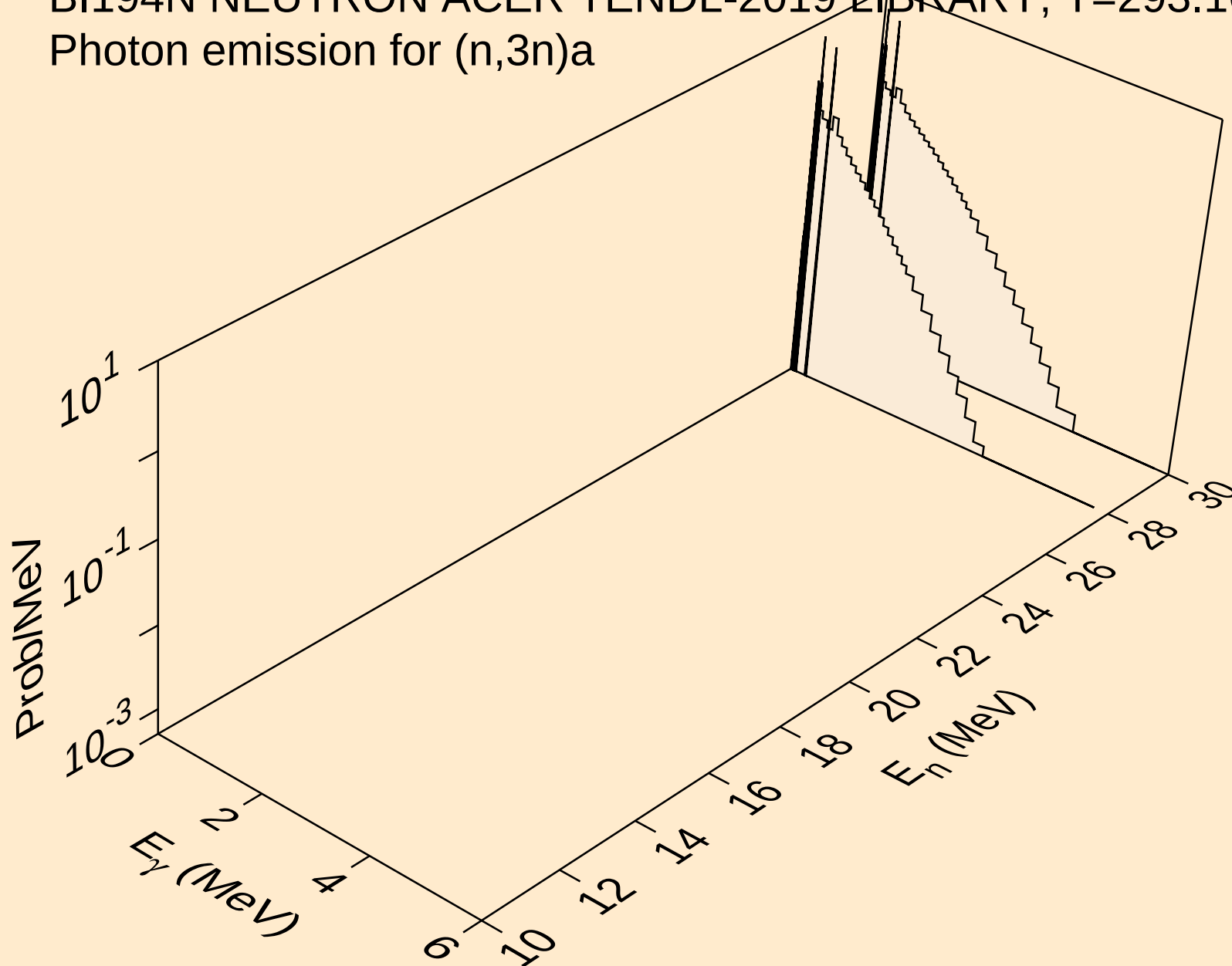
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Photon emission for (n,n\*)a



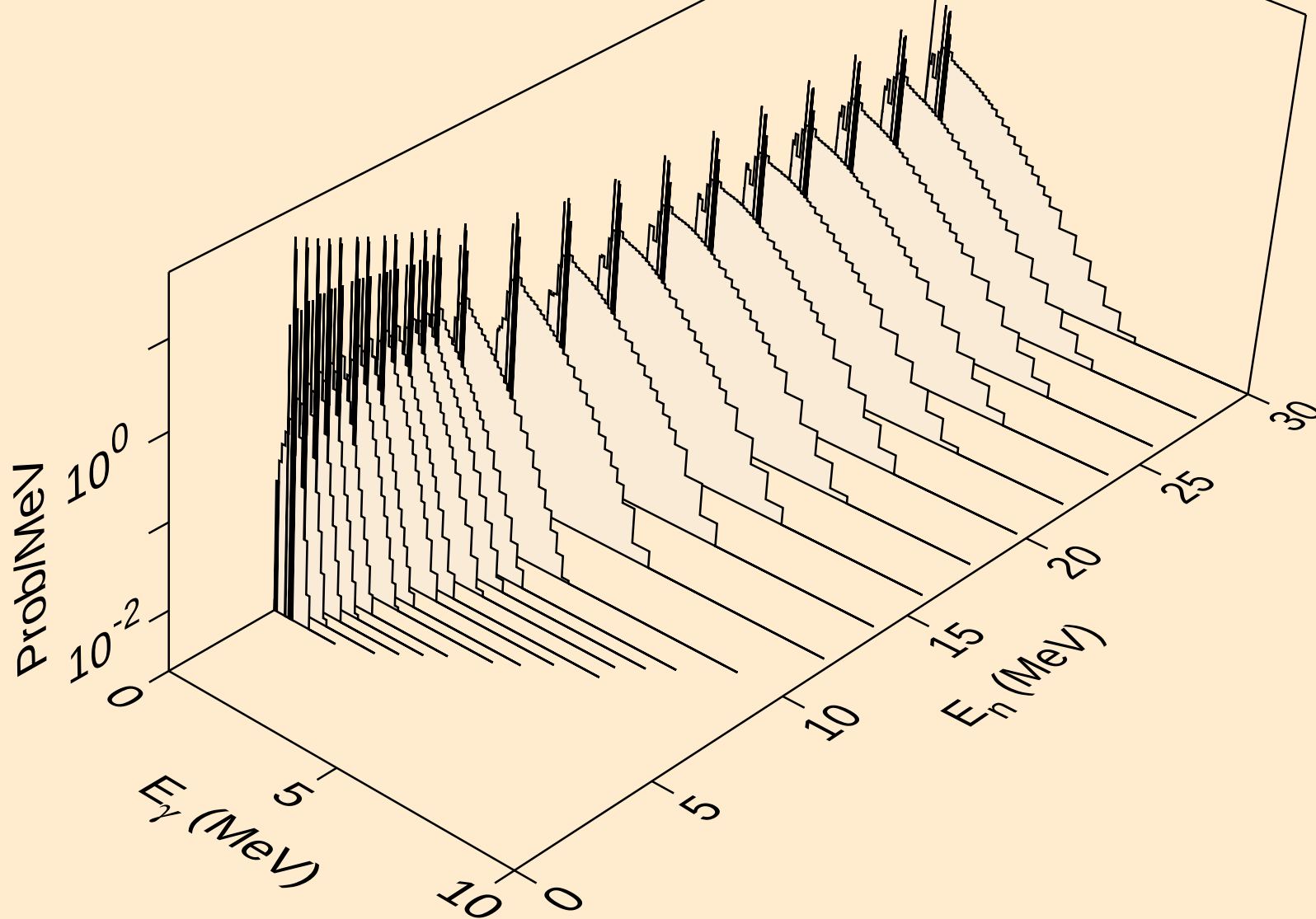
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n) $\alpha$



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

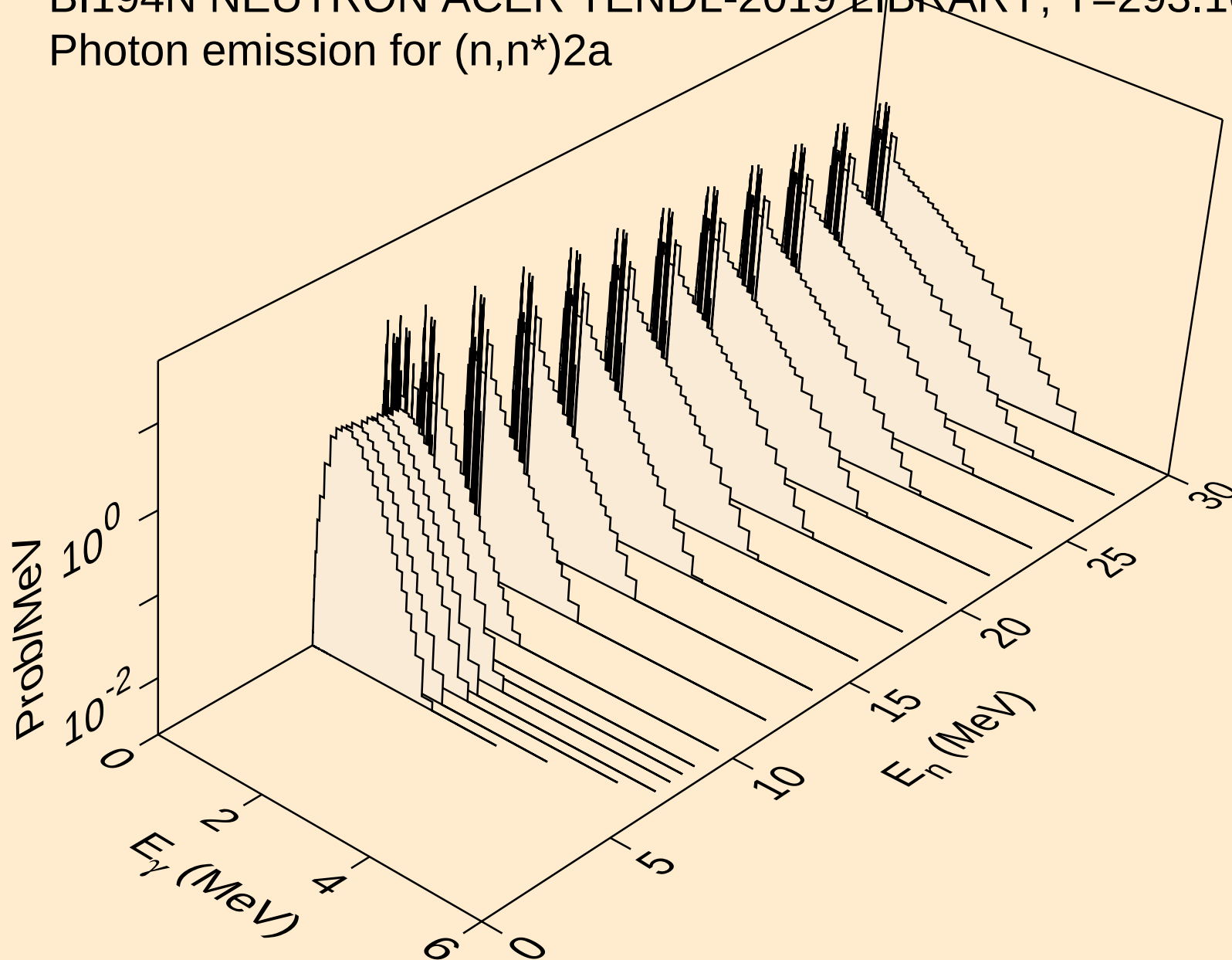


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Photon emission for (n,n\*)p

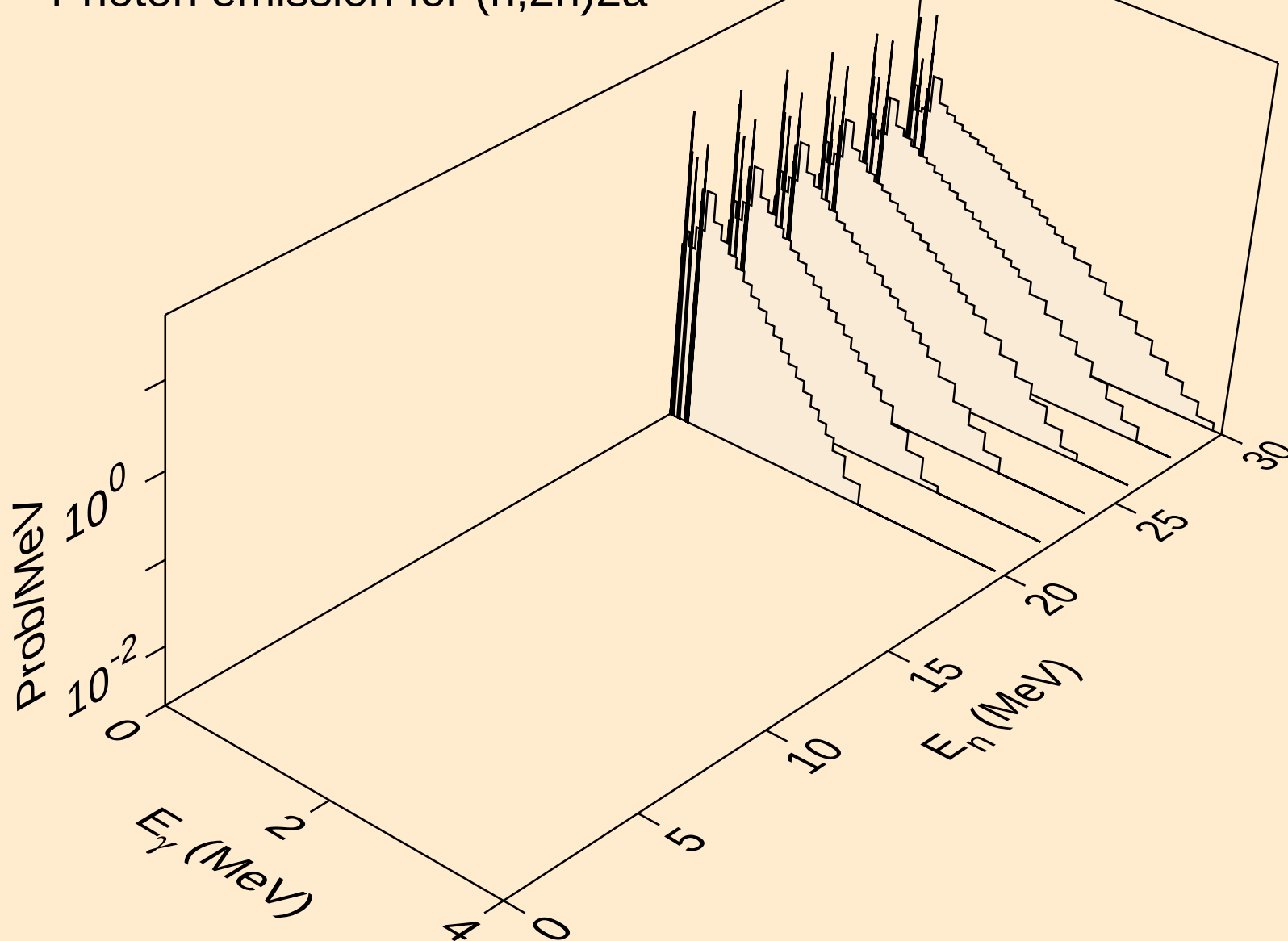




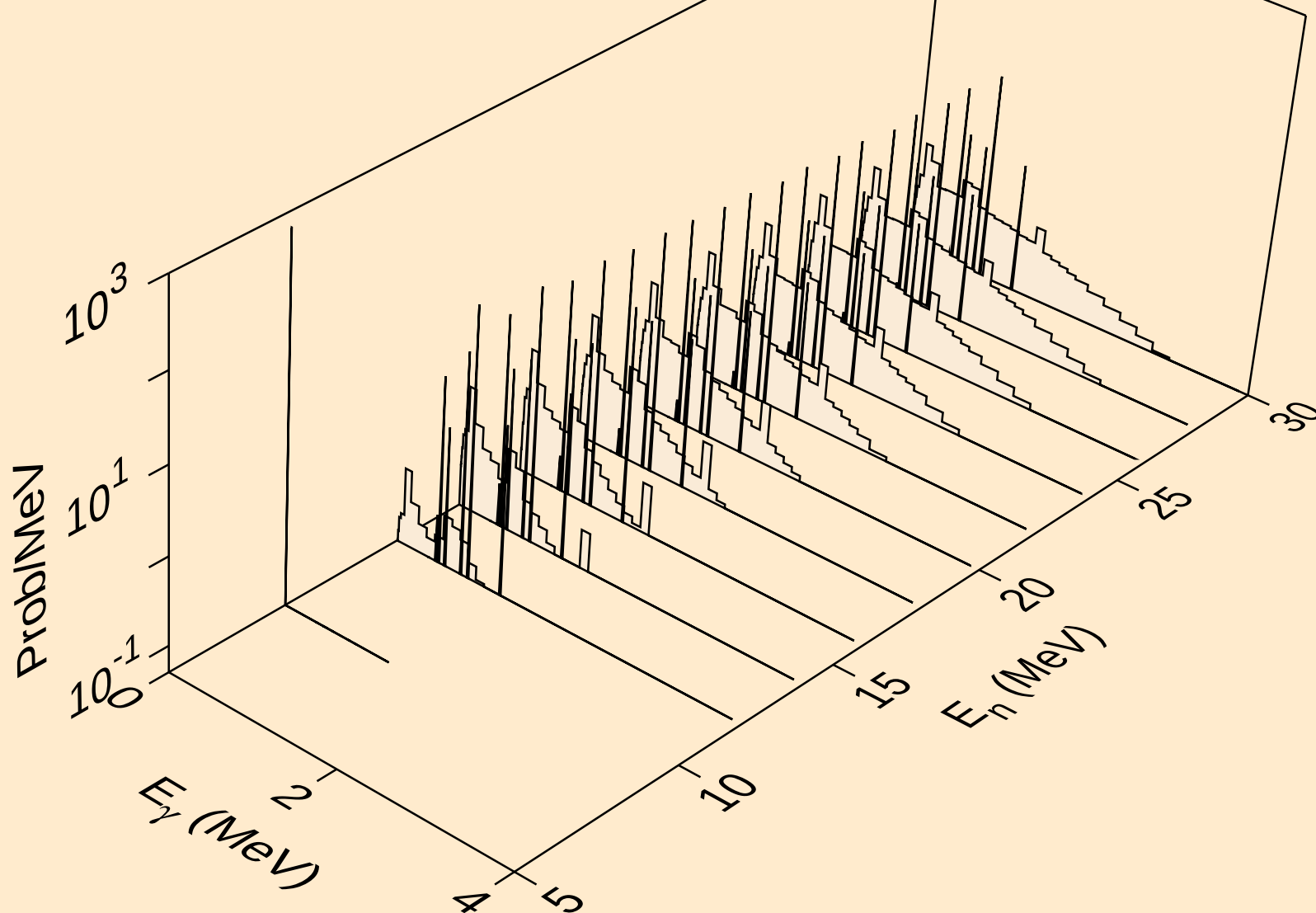
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Photon emission for (n,n\*)2a



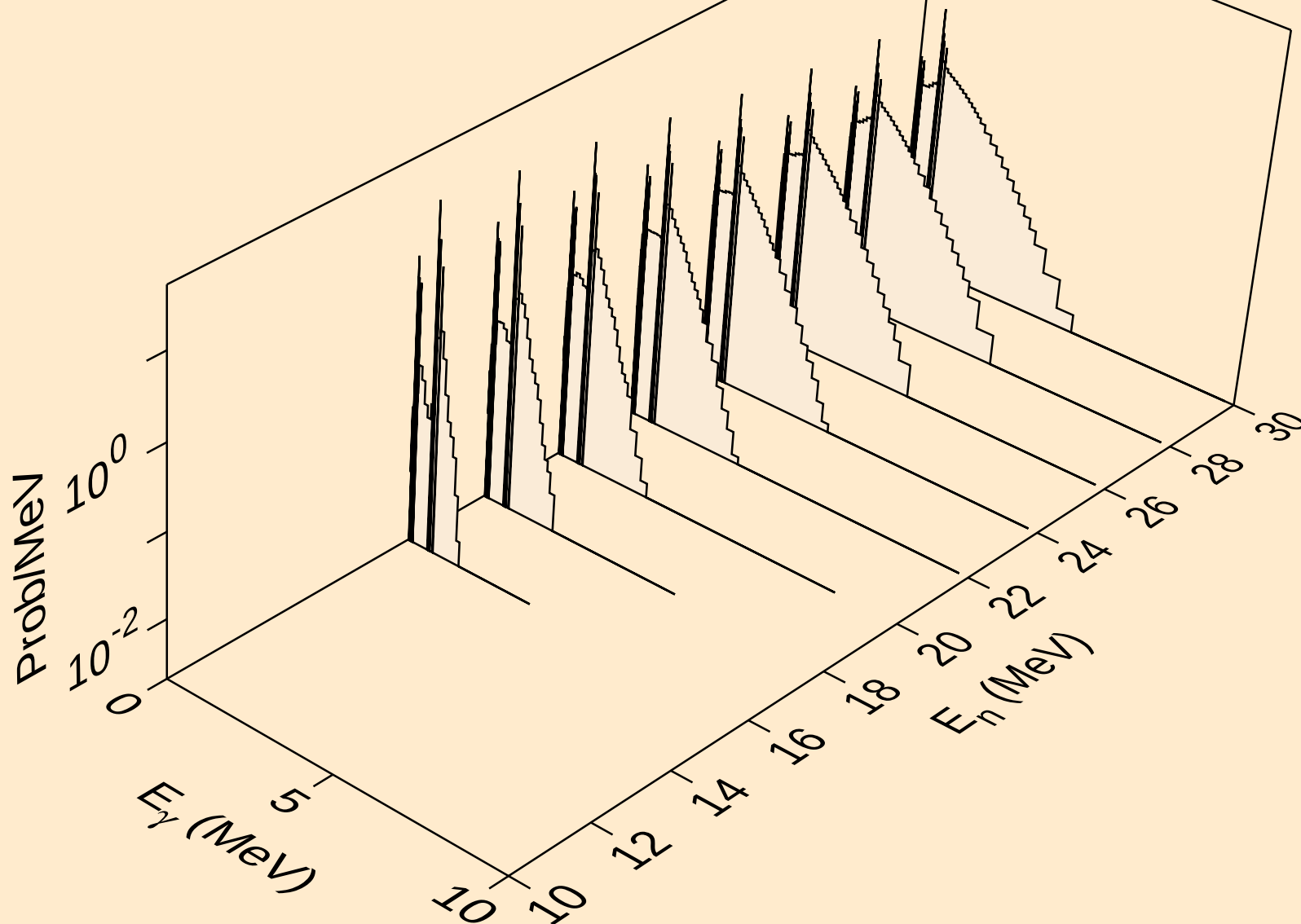
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Photon emission for (n,2n)2a



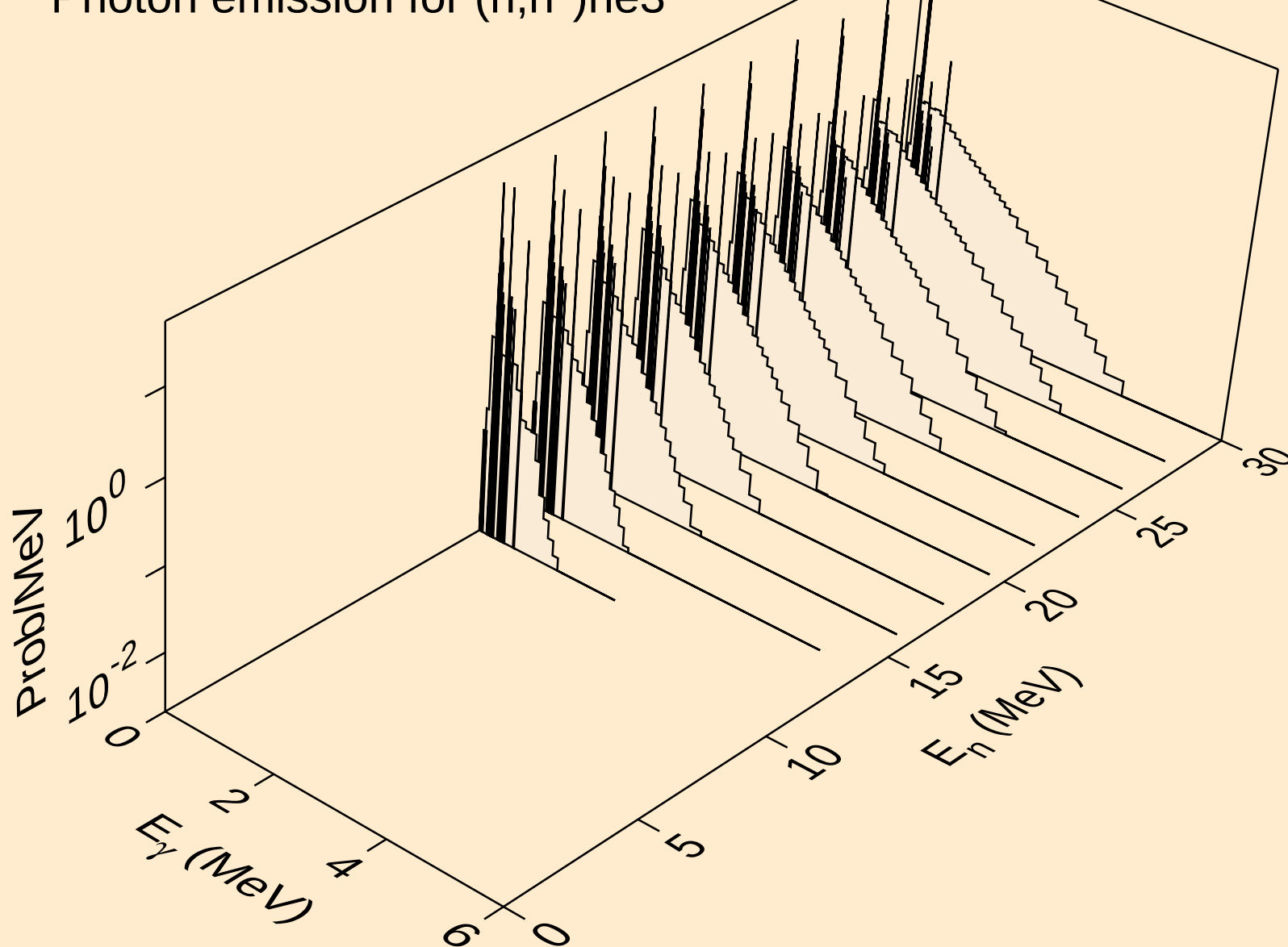
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Photon emission for (n,n\*)d



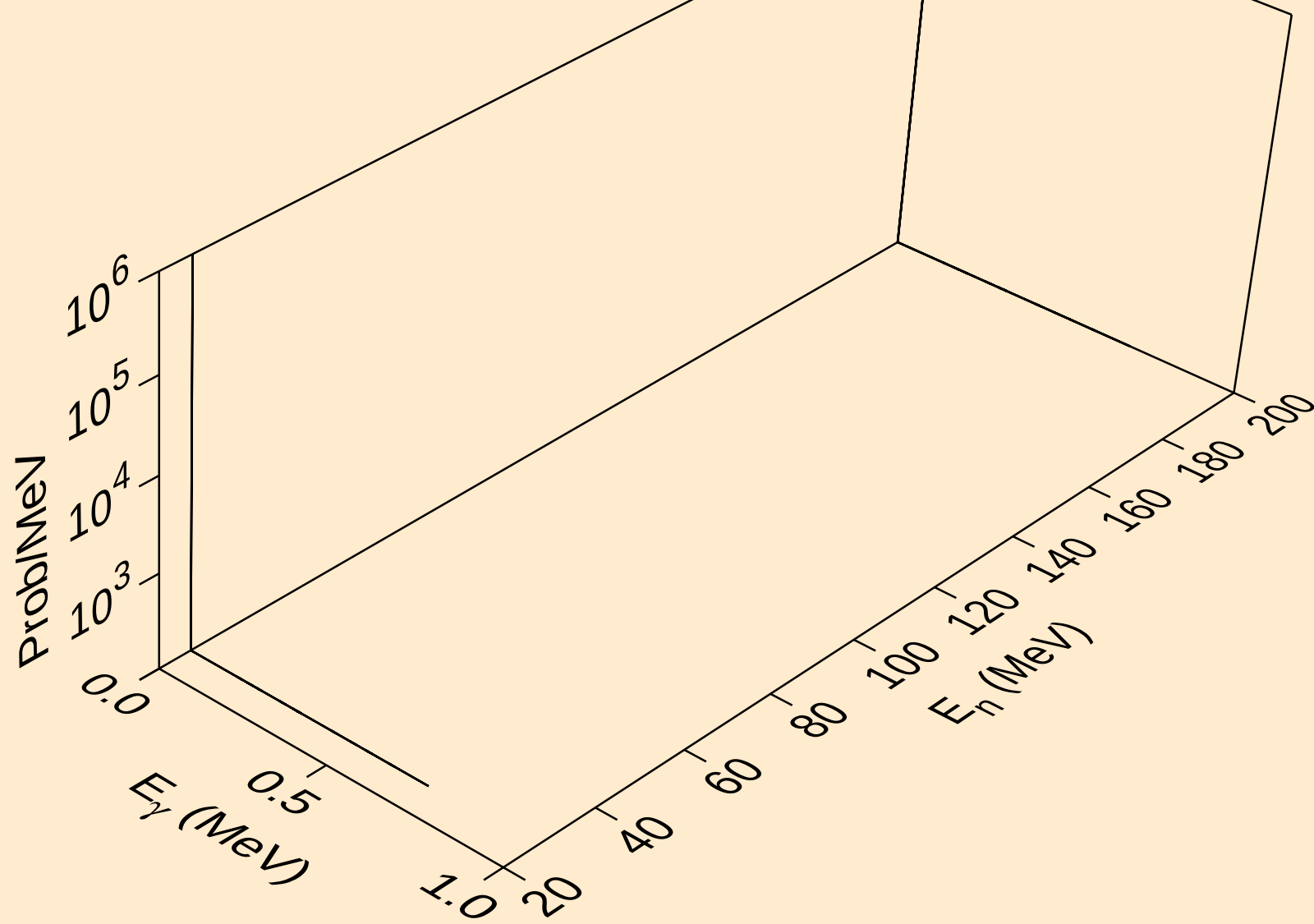
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Photon emission for (n,n\*)t



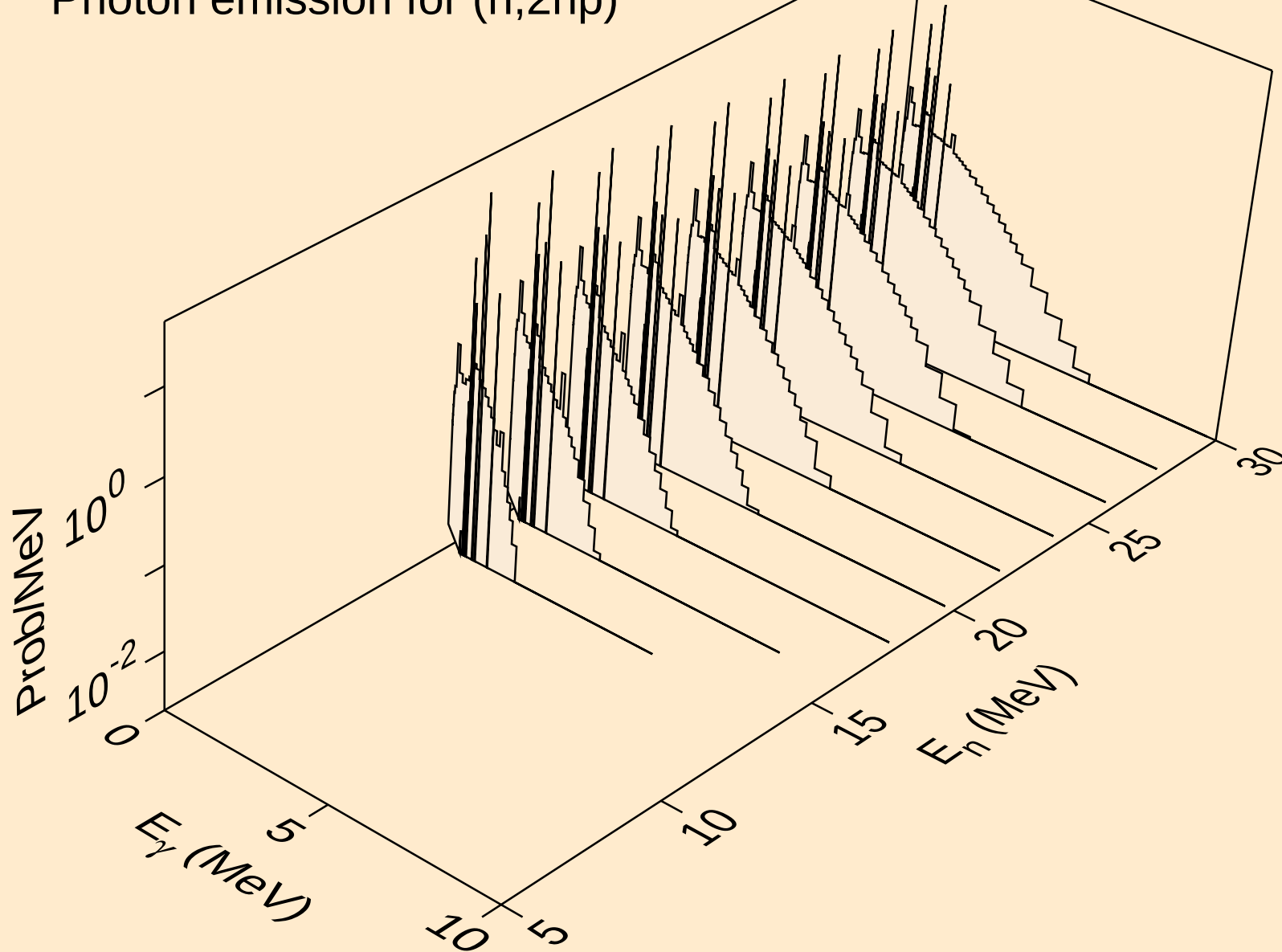
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



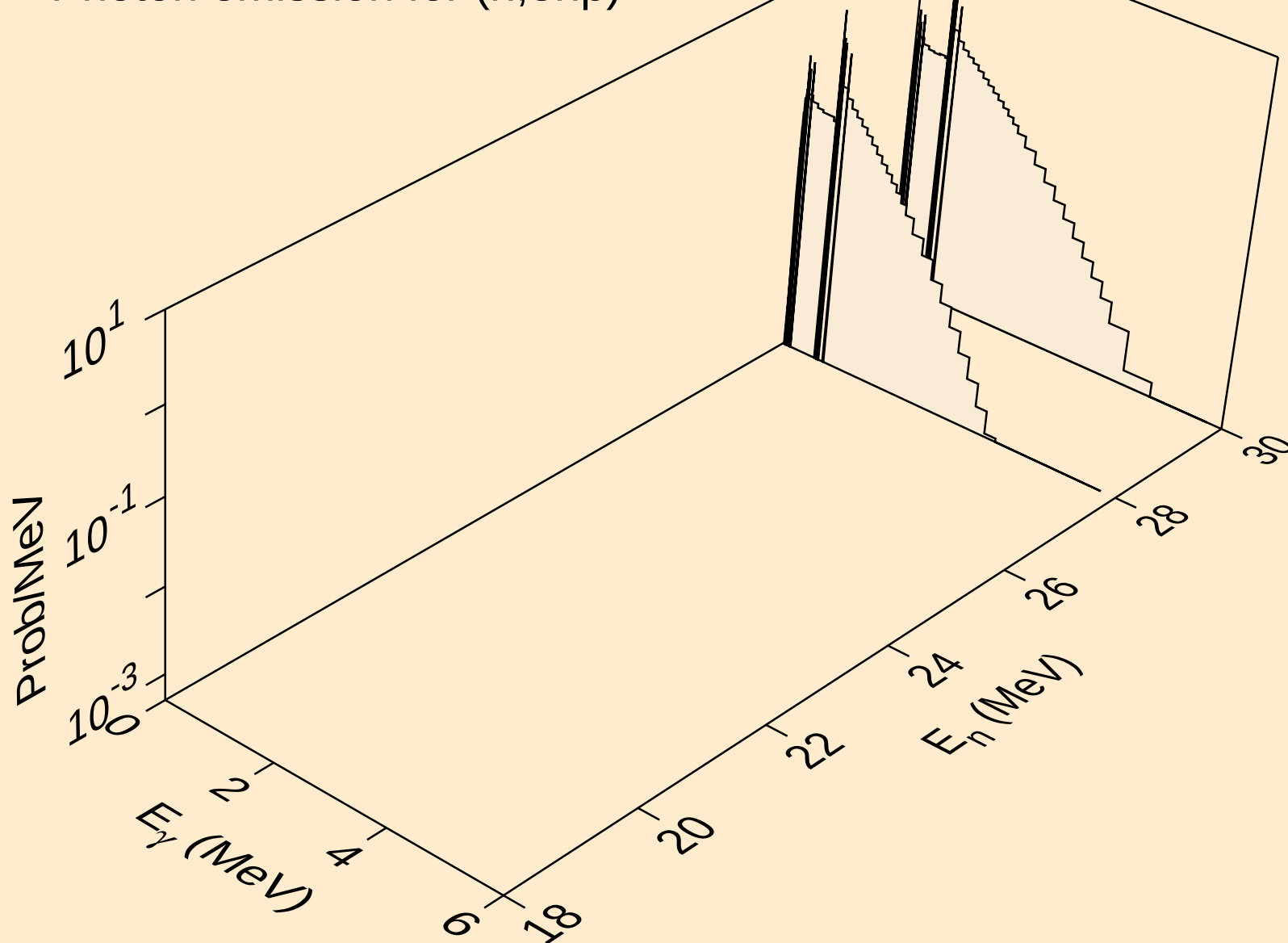
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

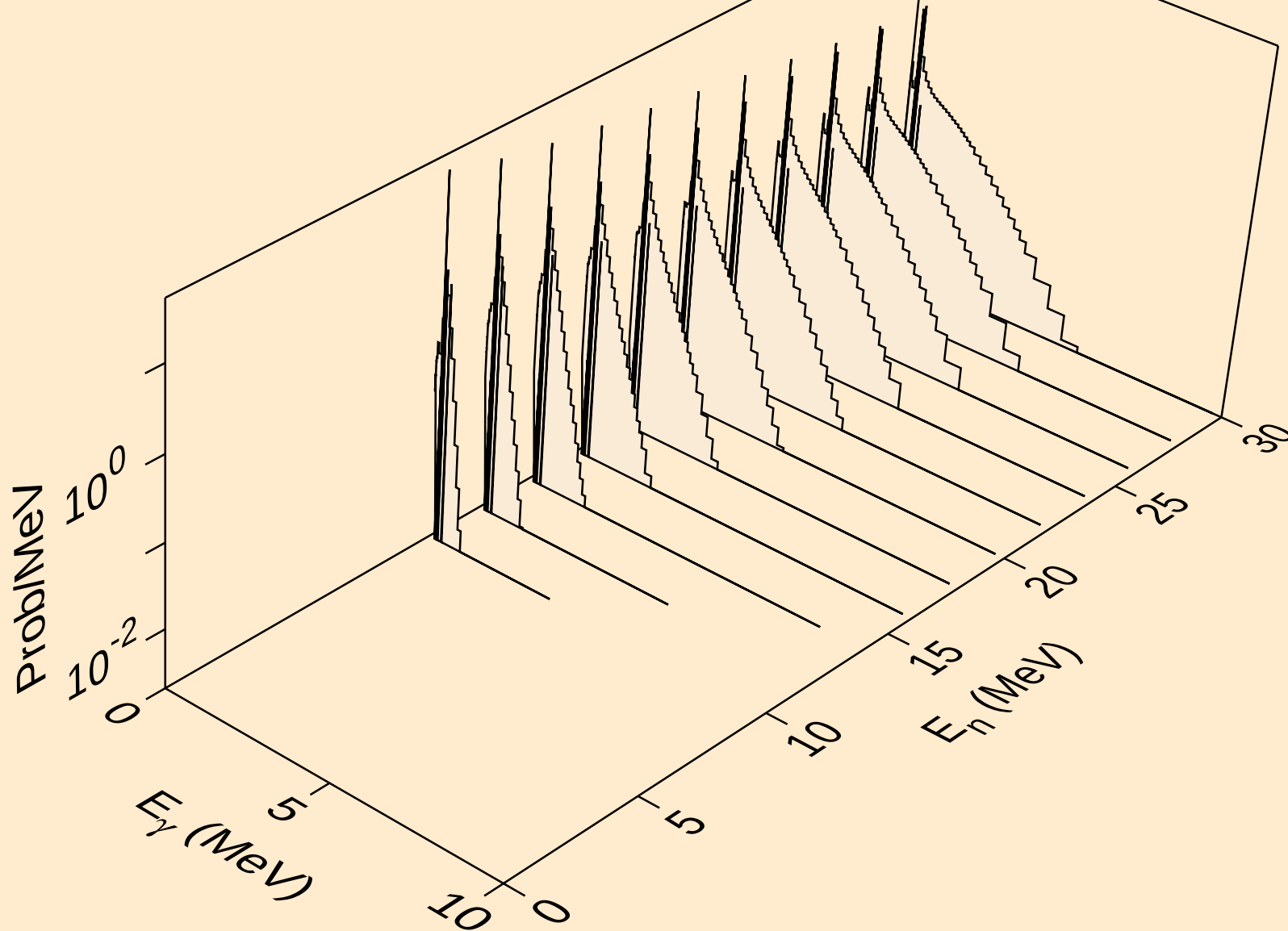


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Photon emission for (n,3np)

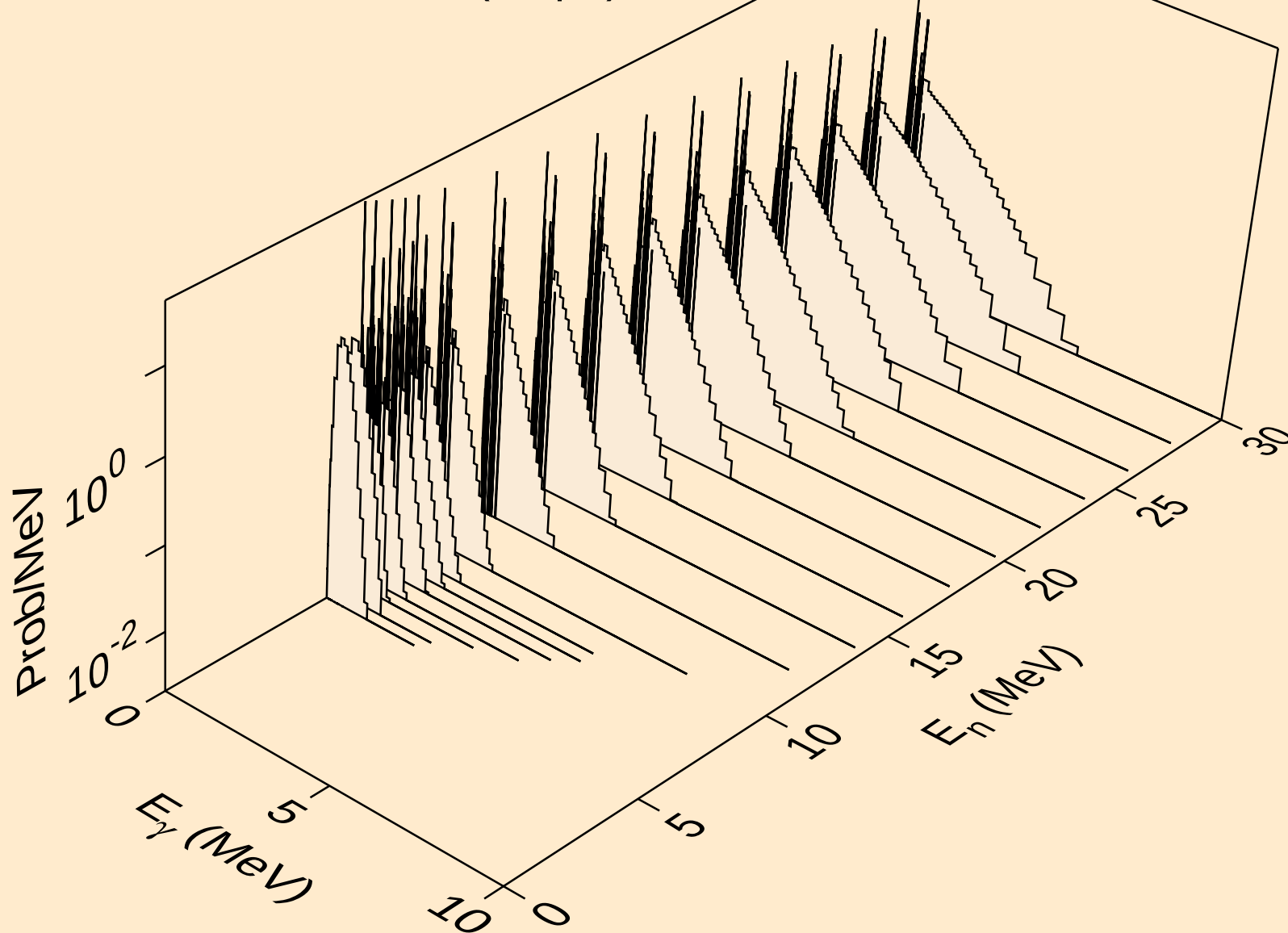




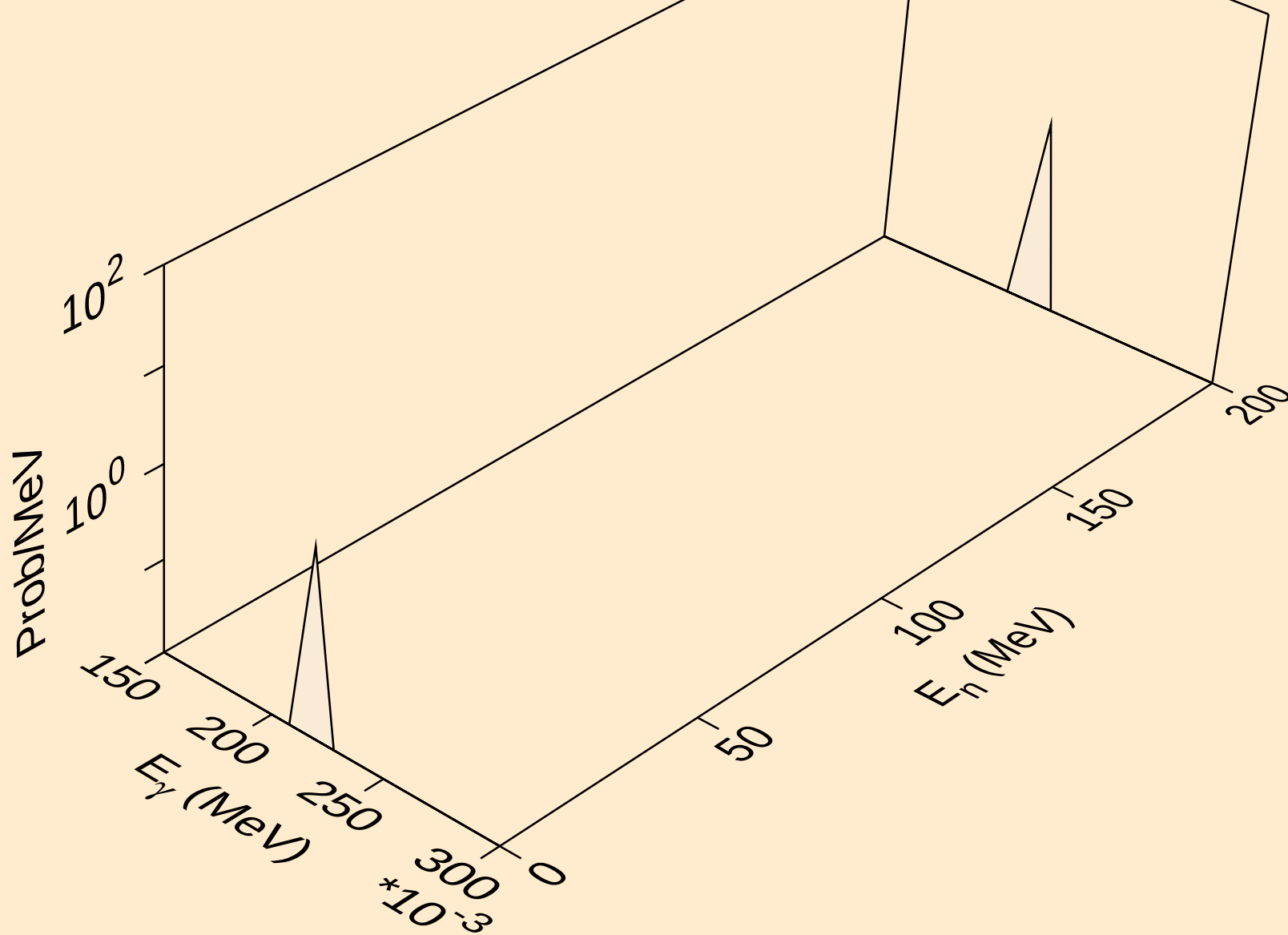
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Photon emission for (n,2np)



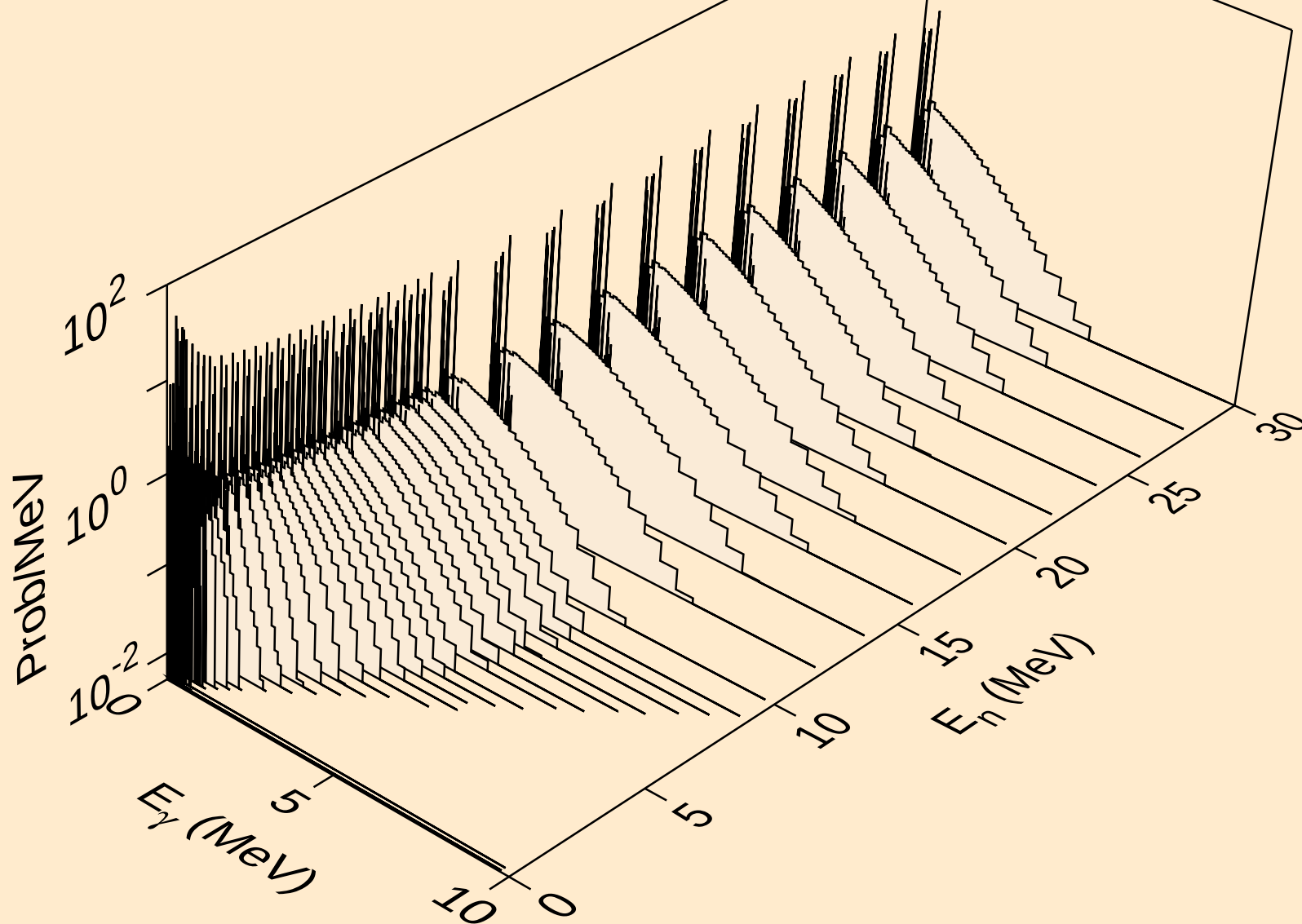
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Photon emission for (n,npa)



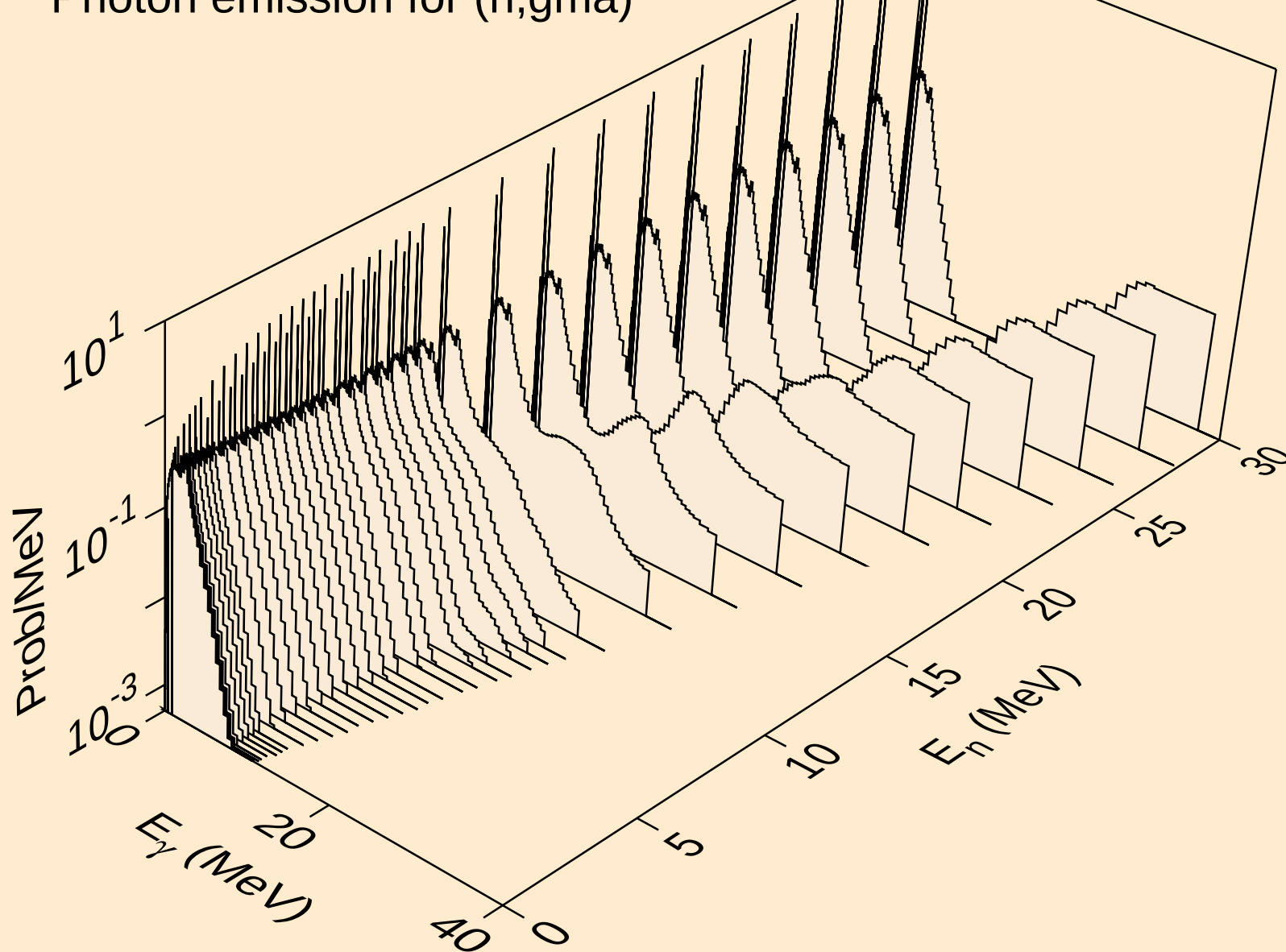
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*1)



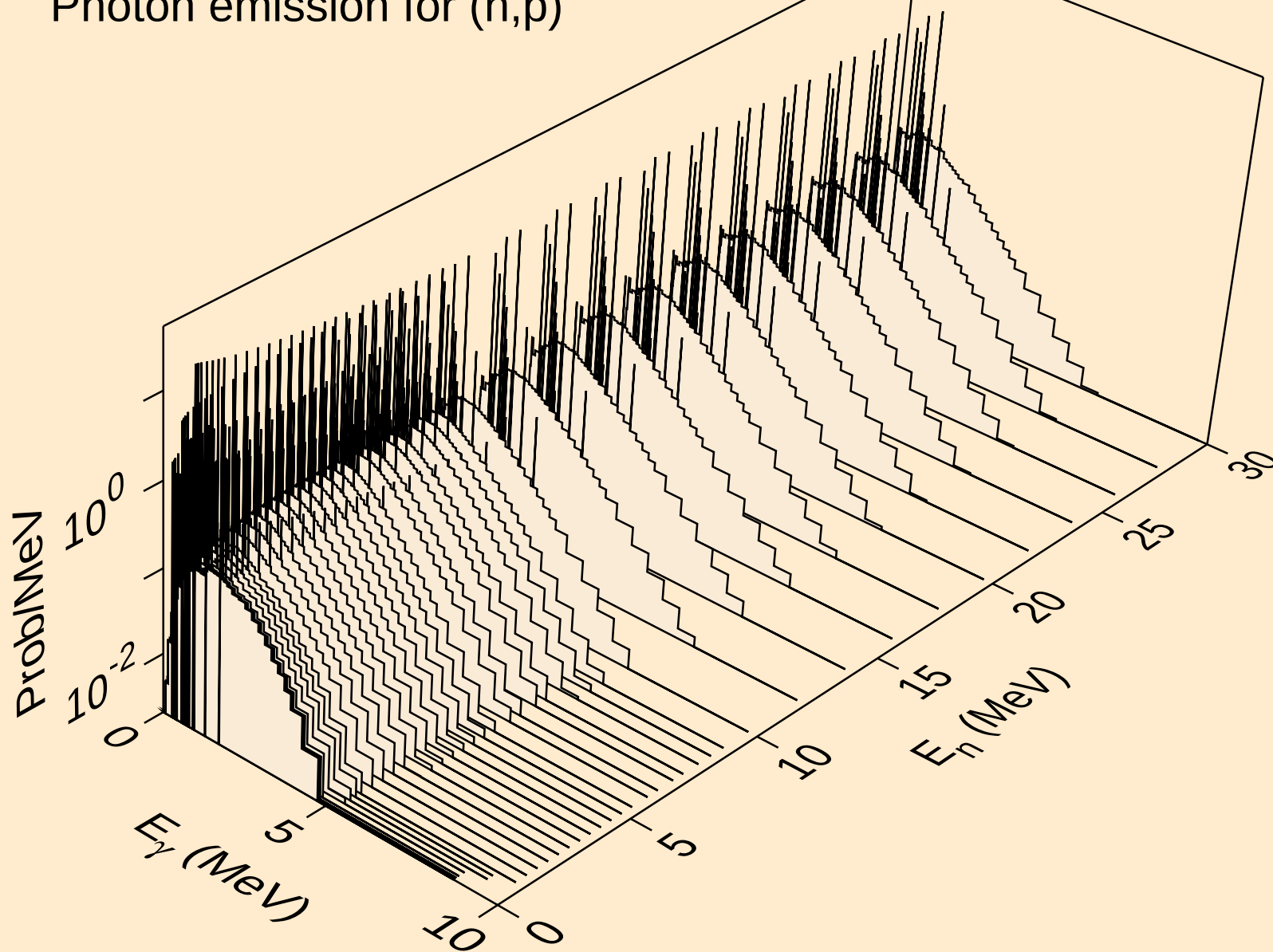
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



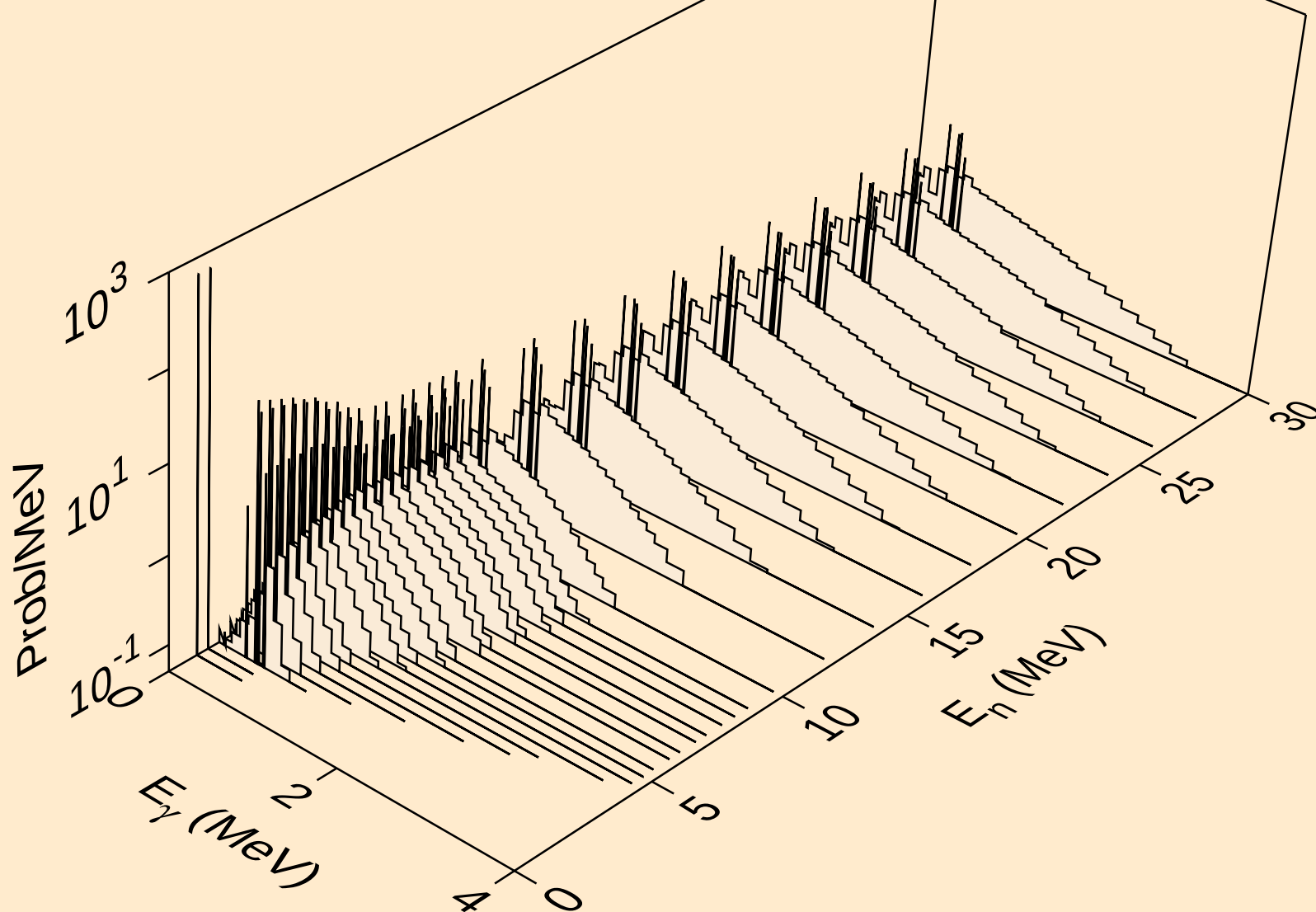
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



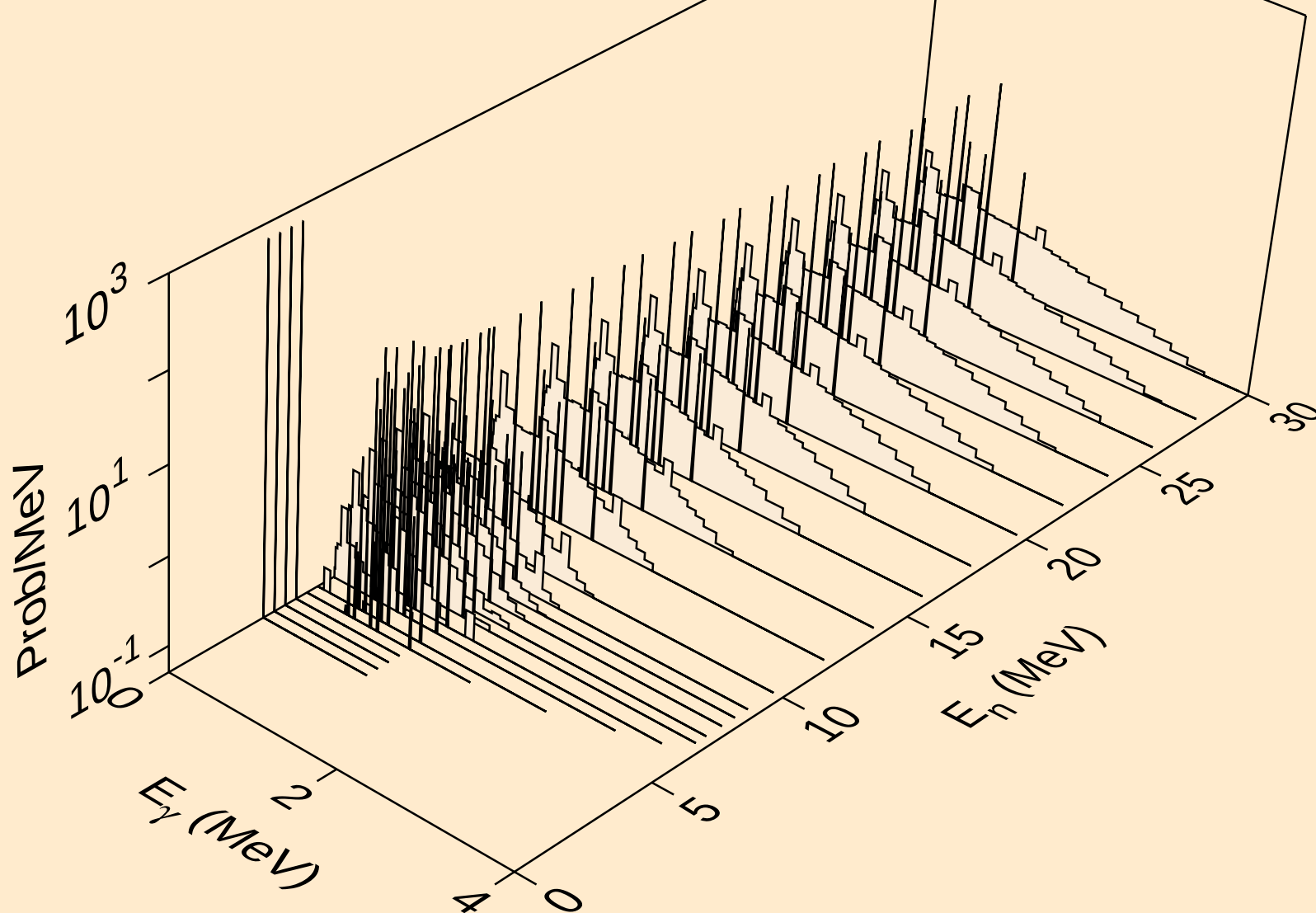
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

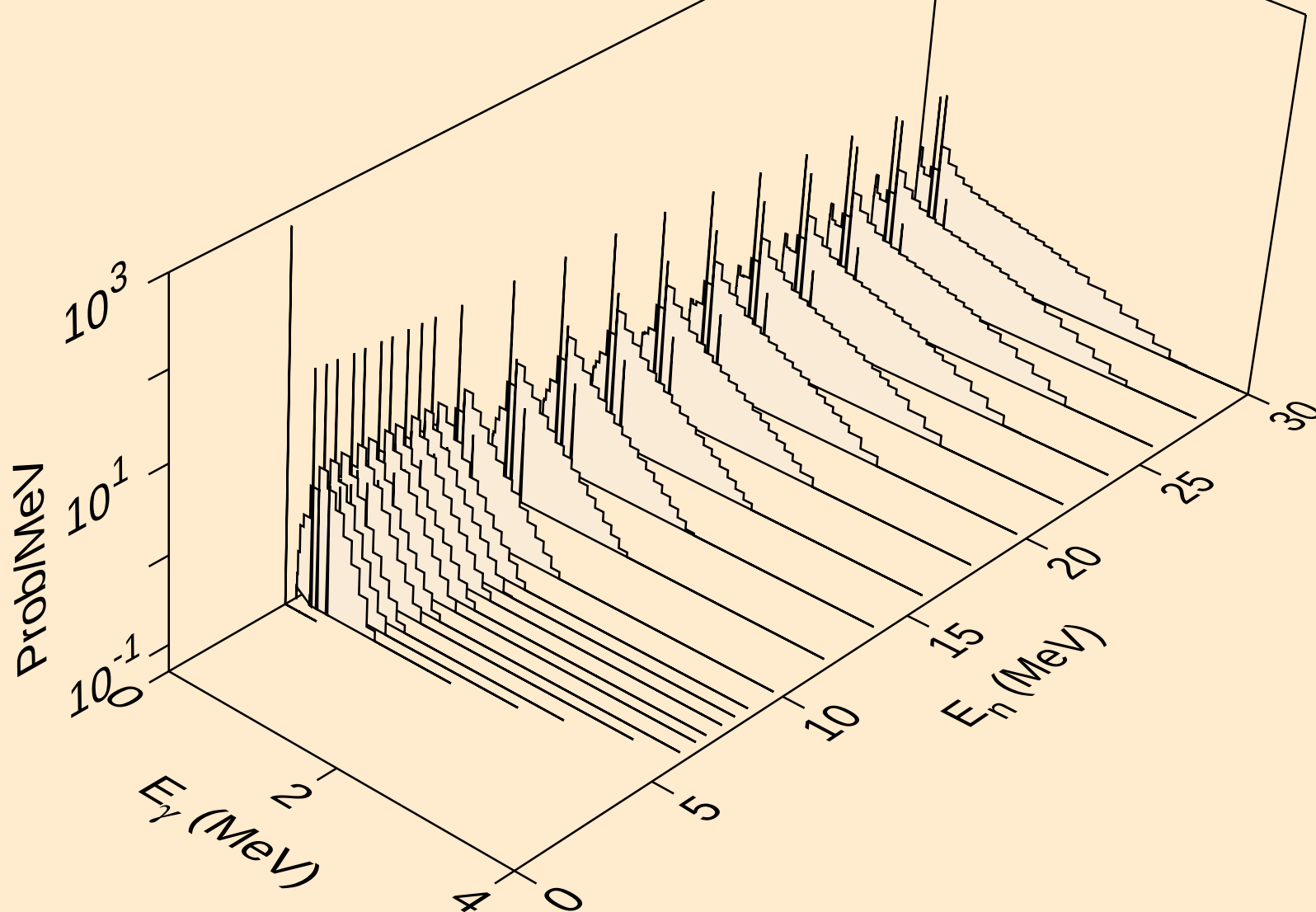


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

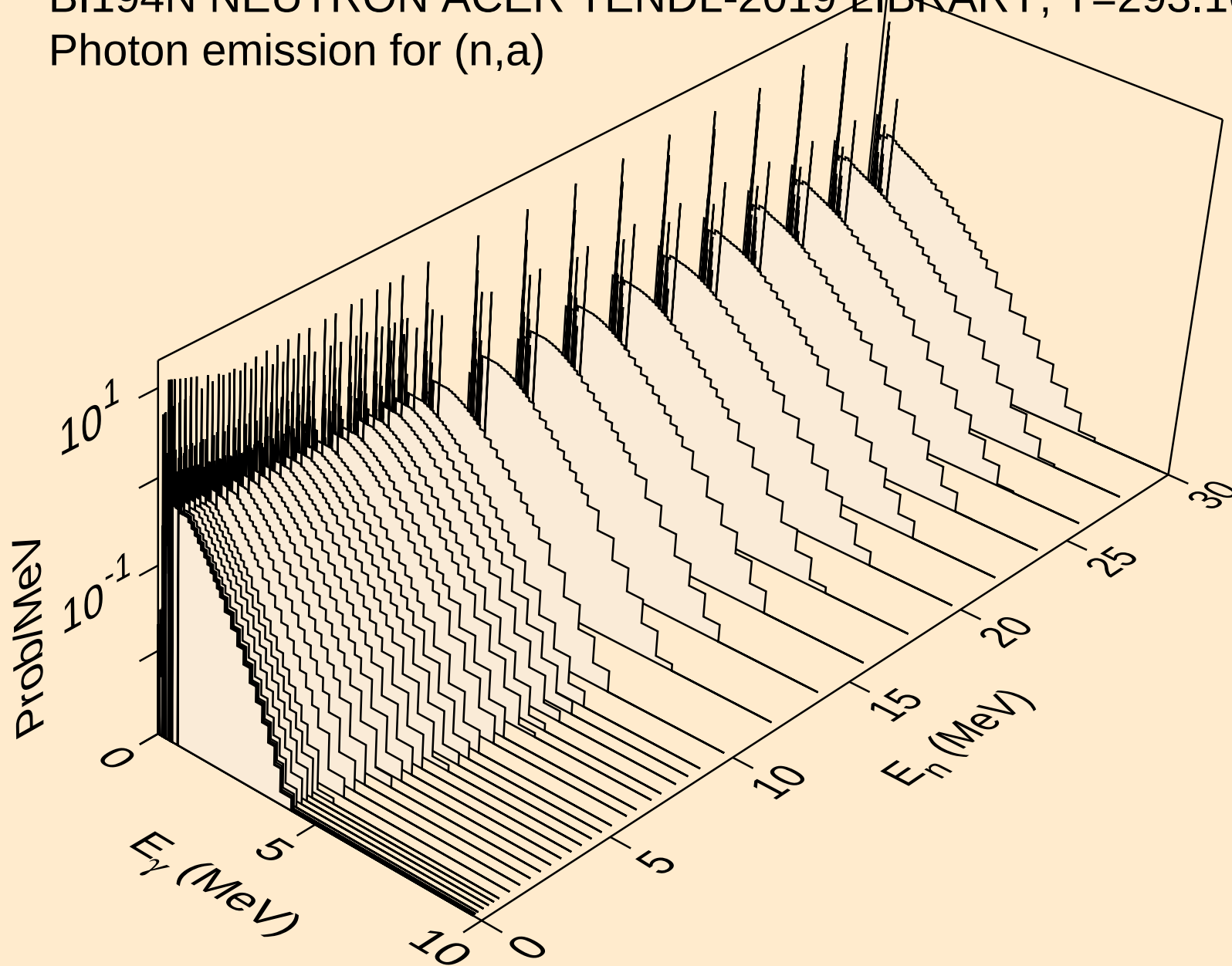




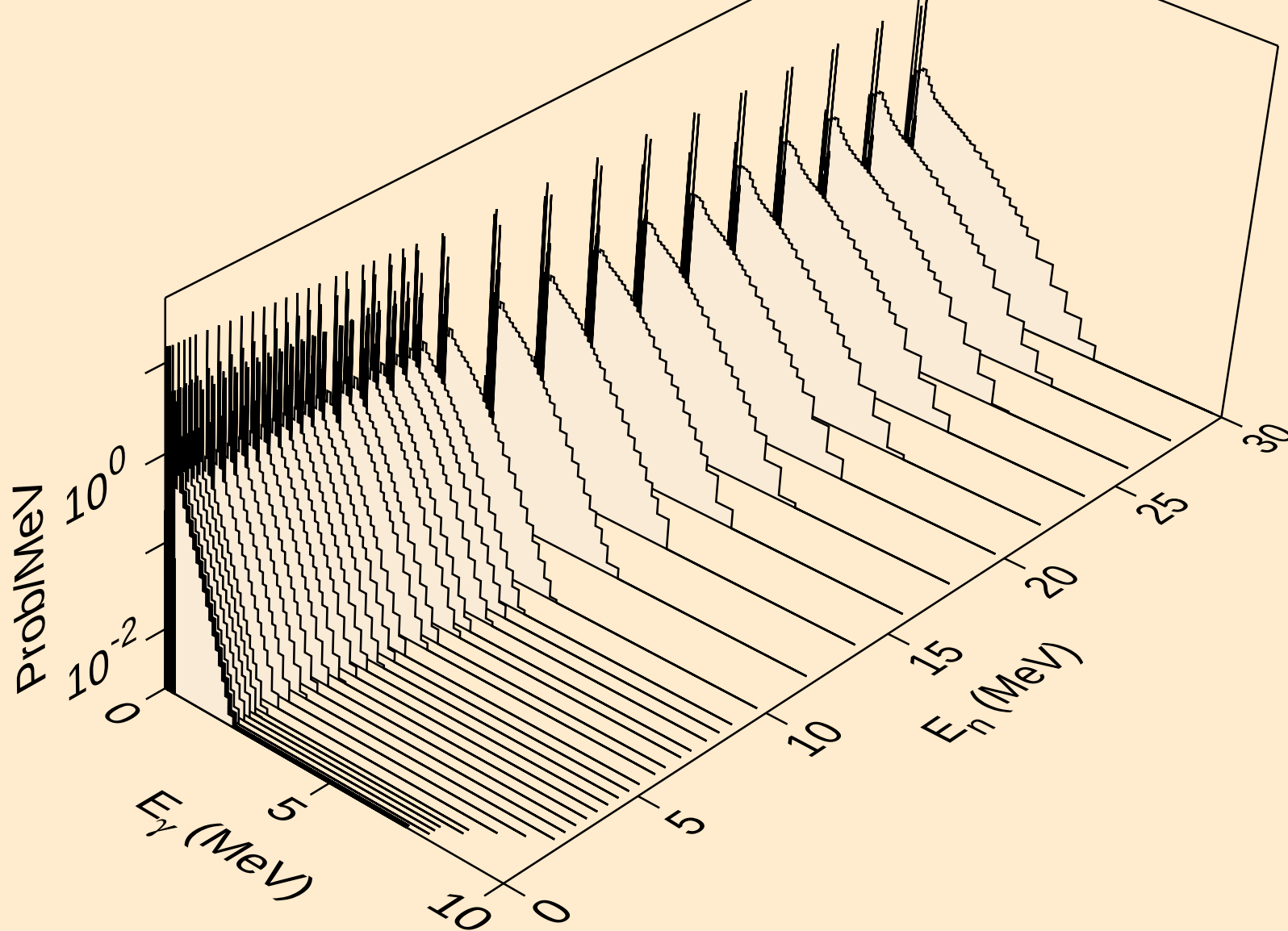
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



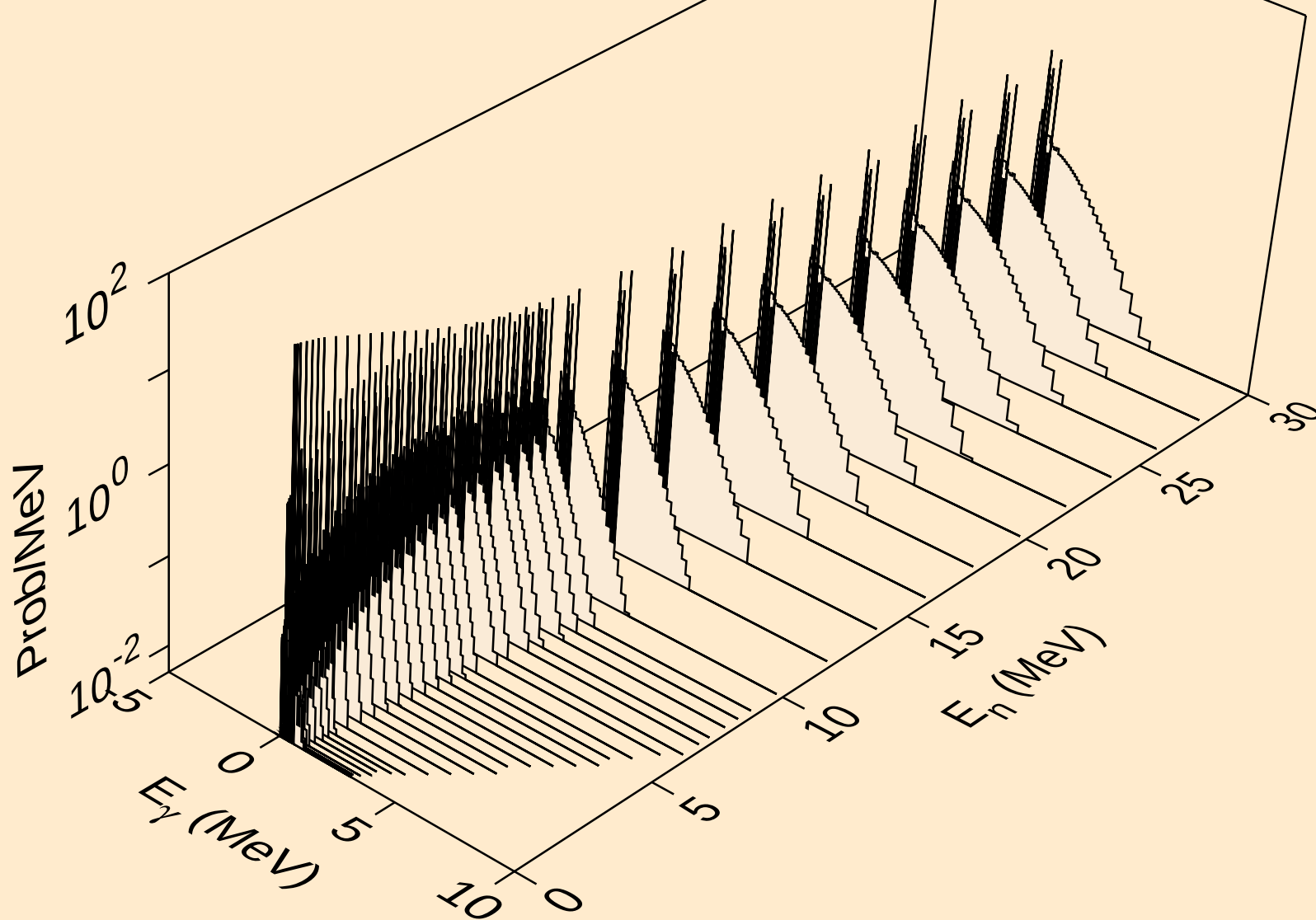
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



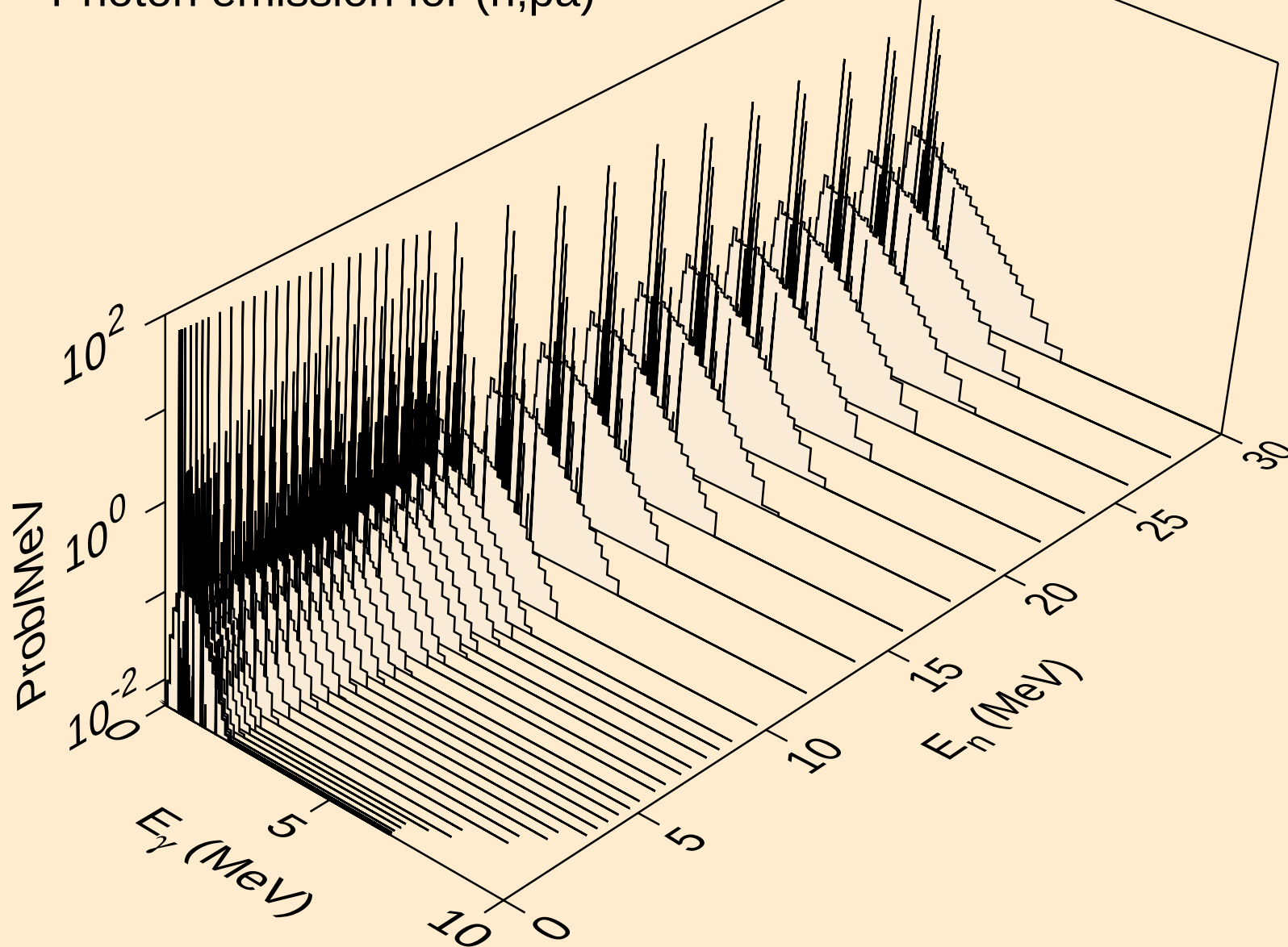
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



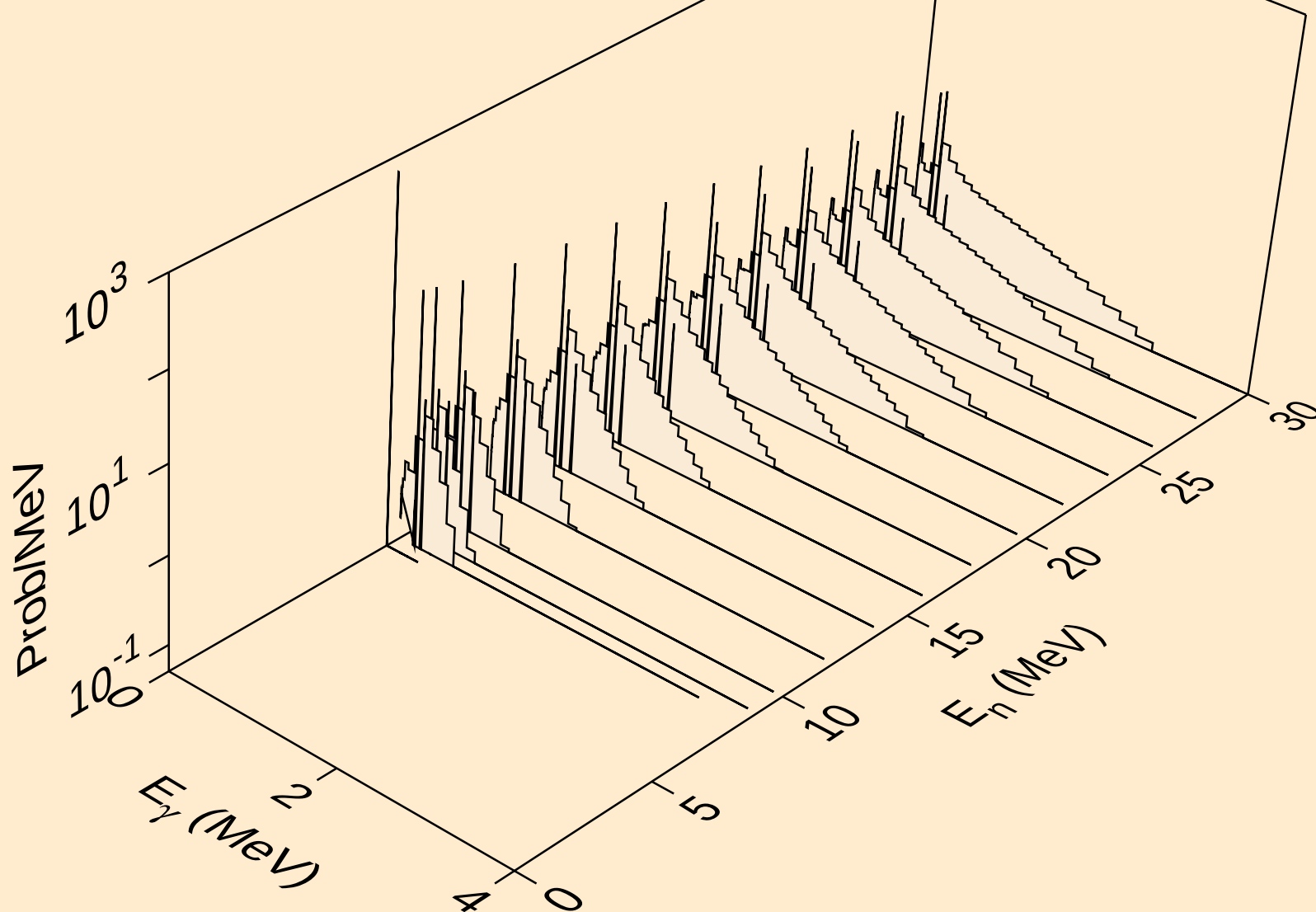
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



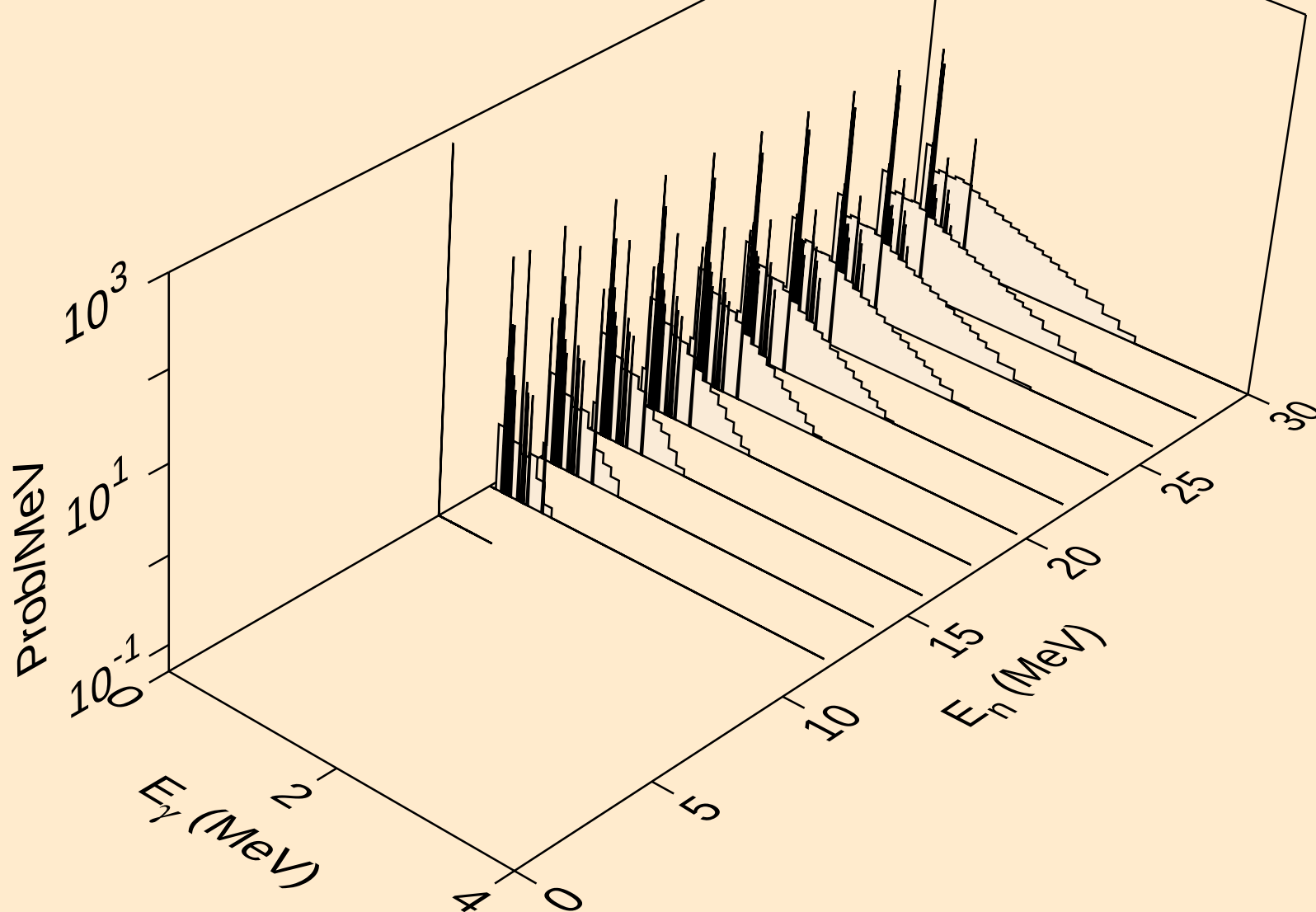
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



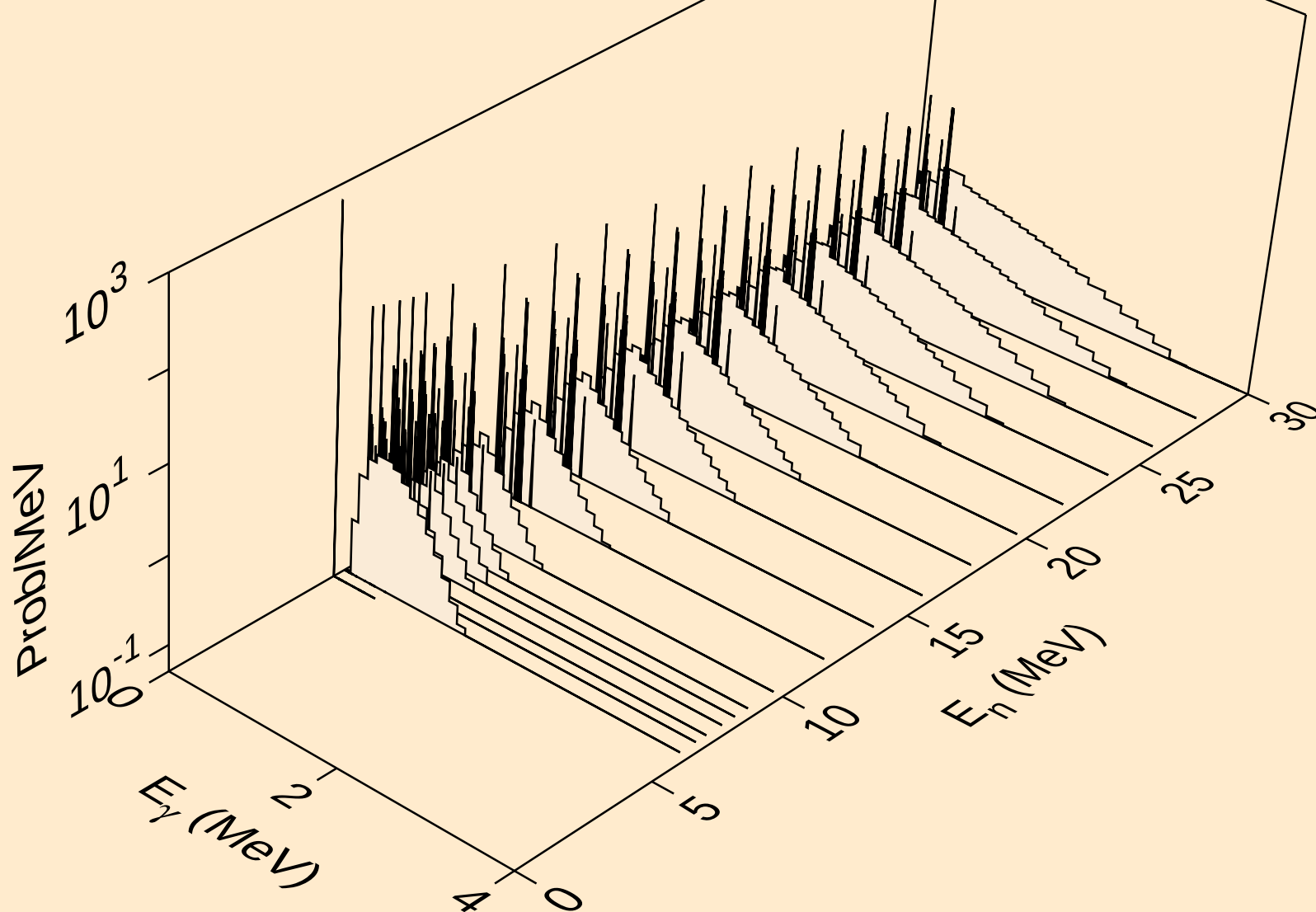
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

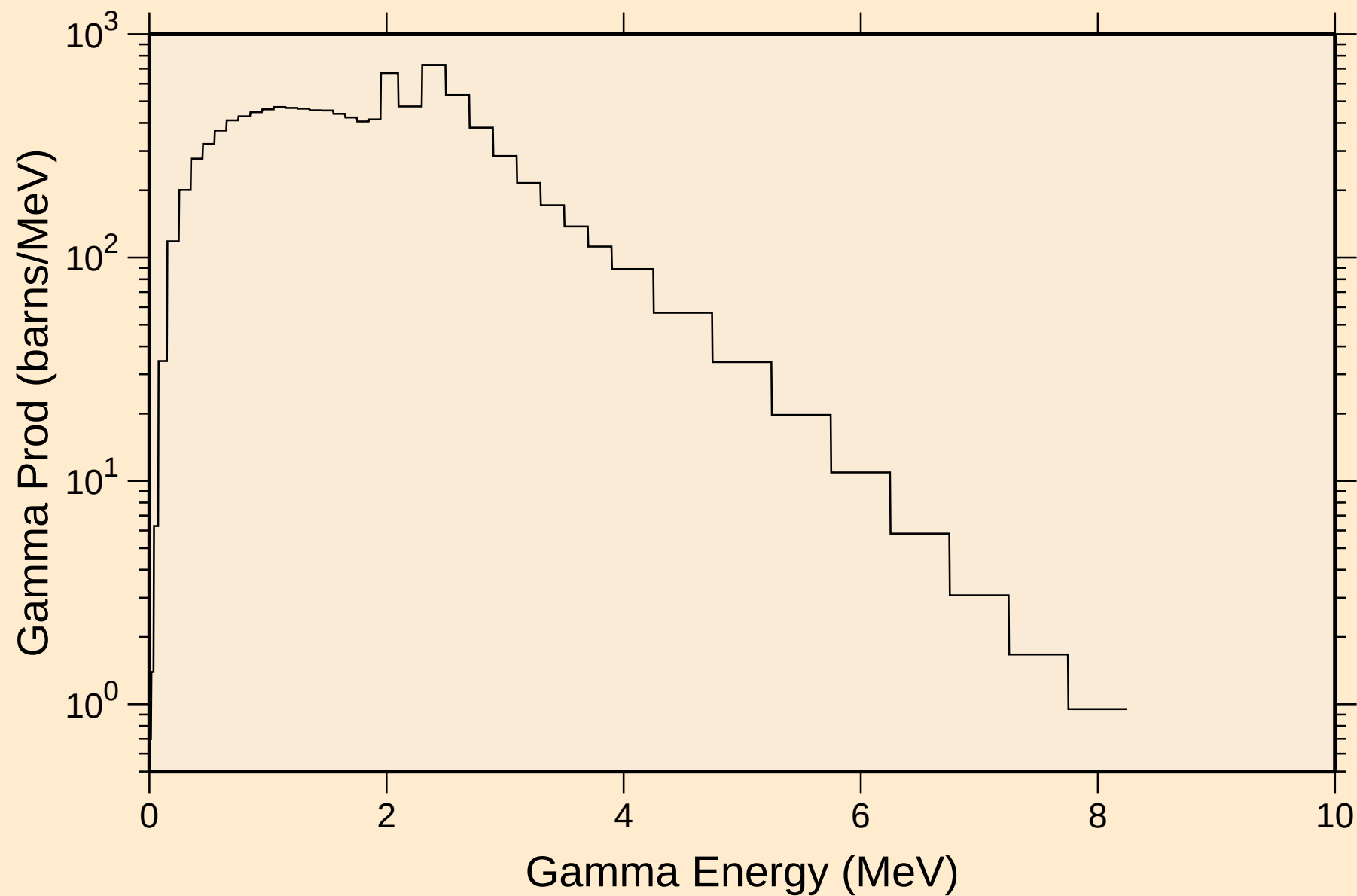


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

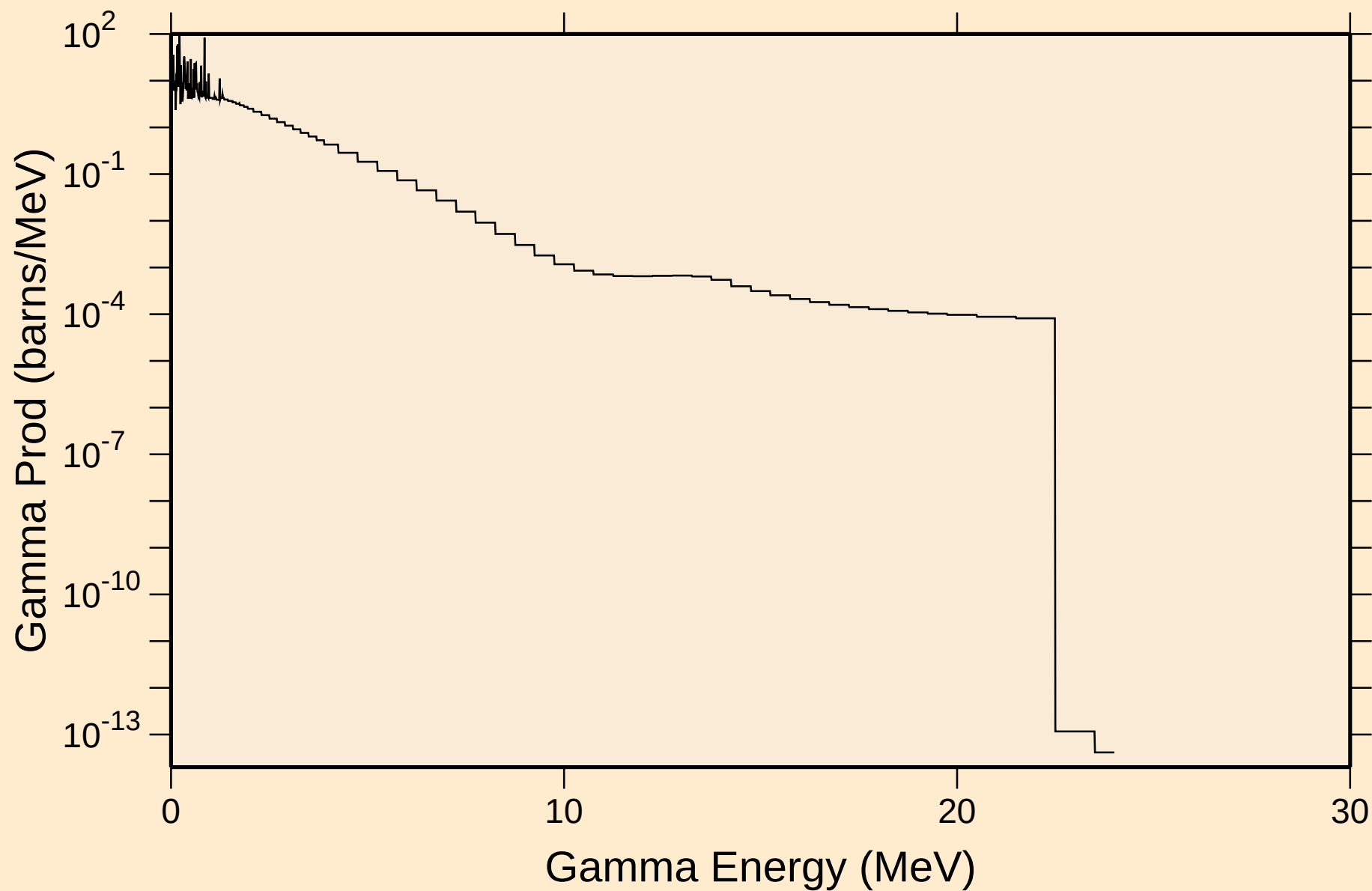




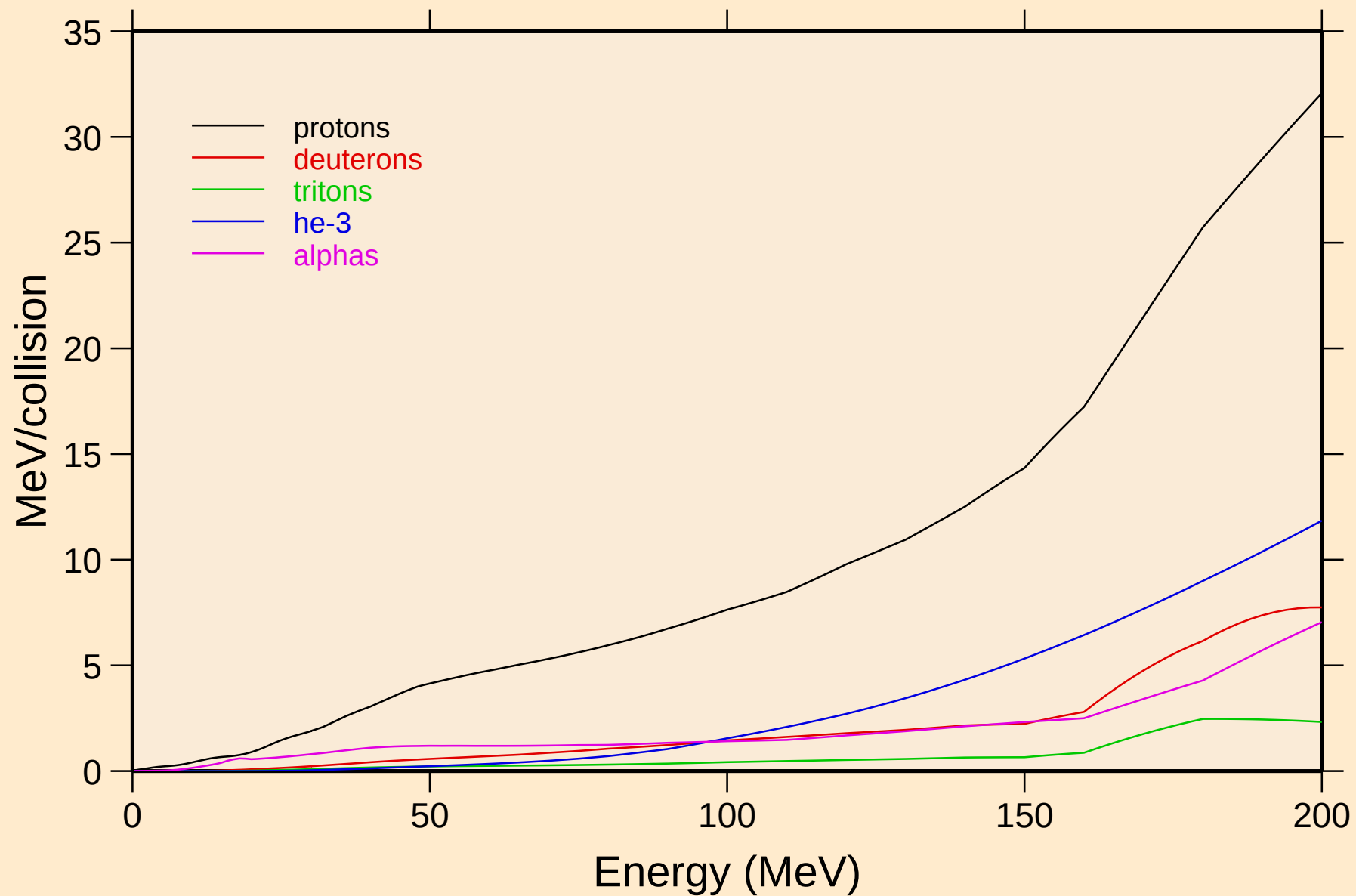
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



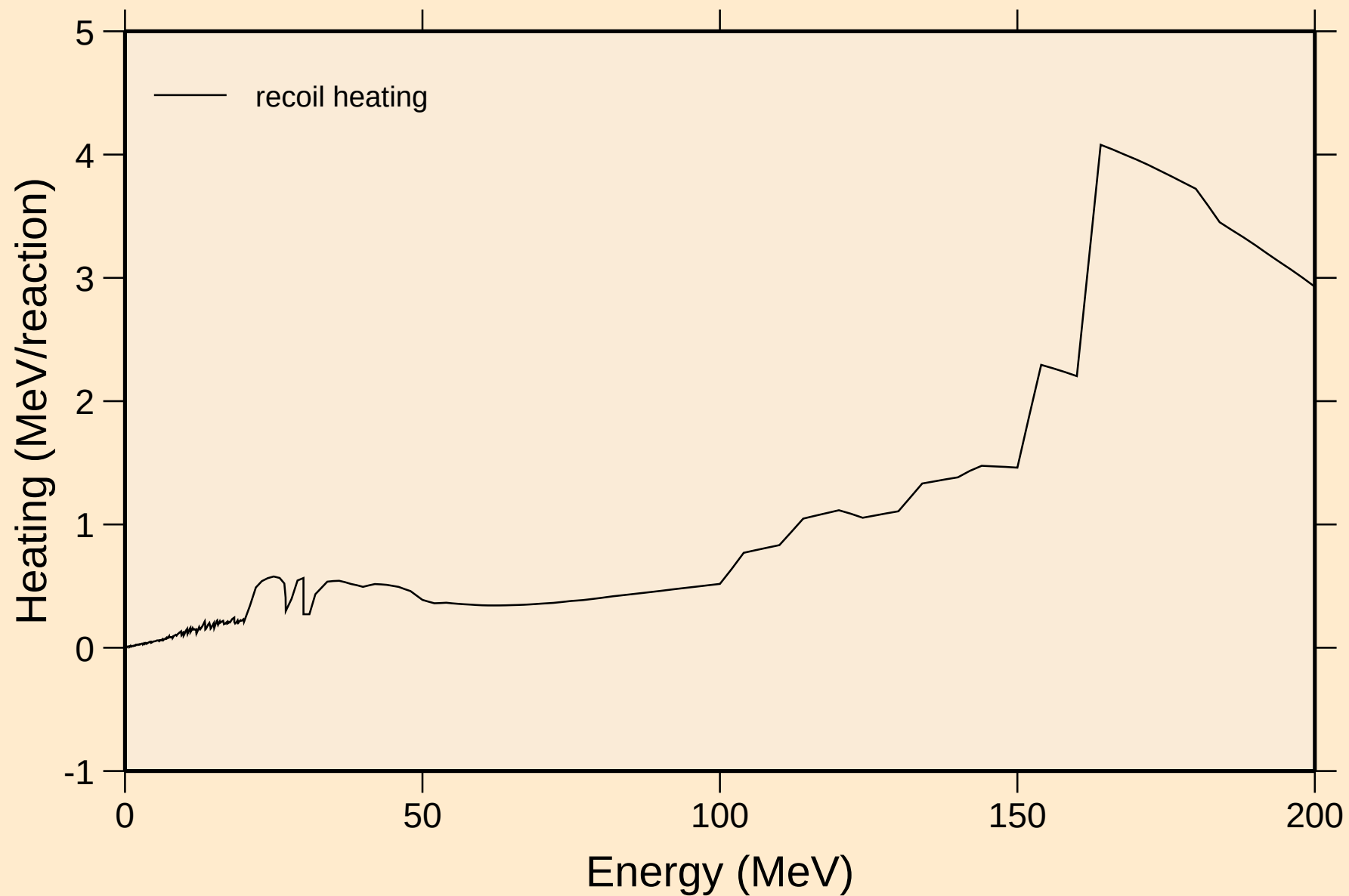
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

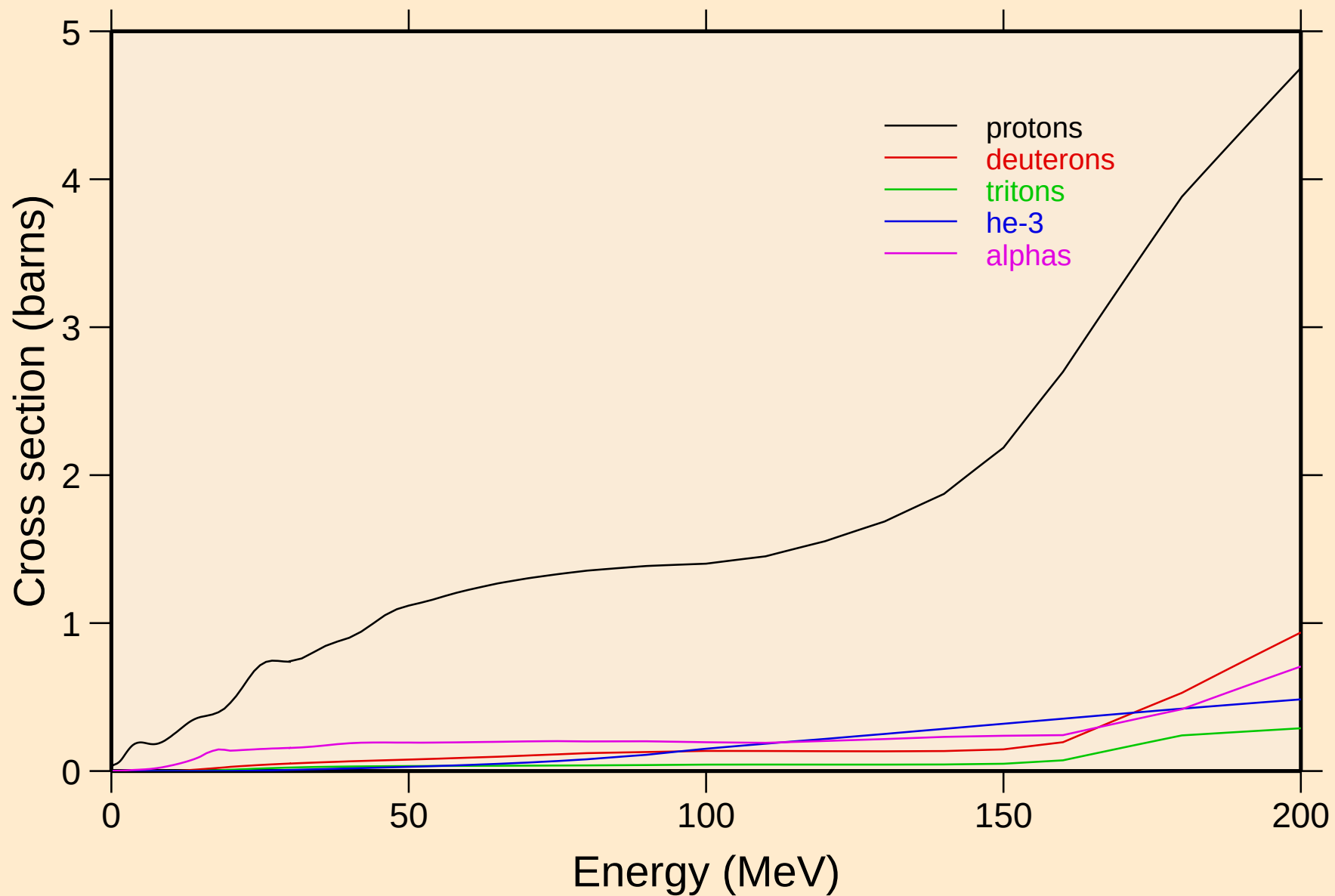


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

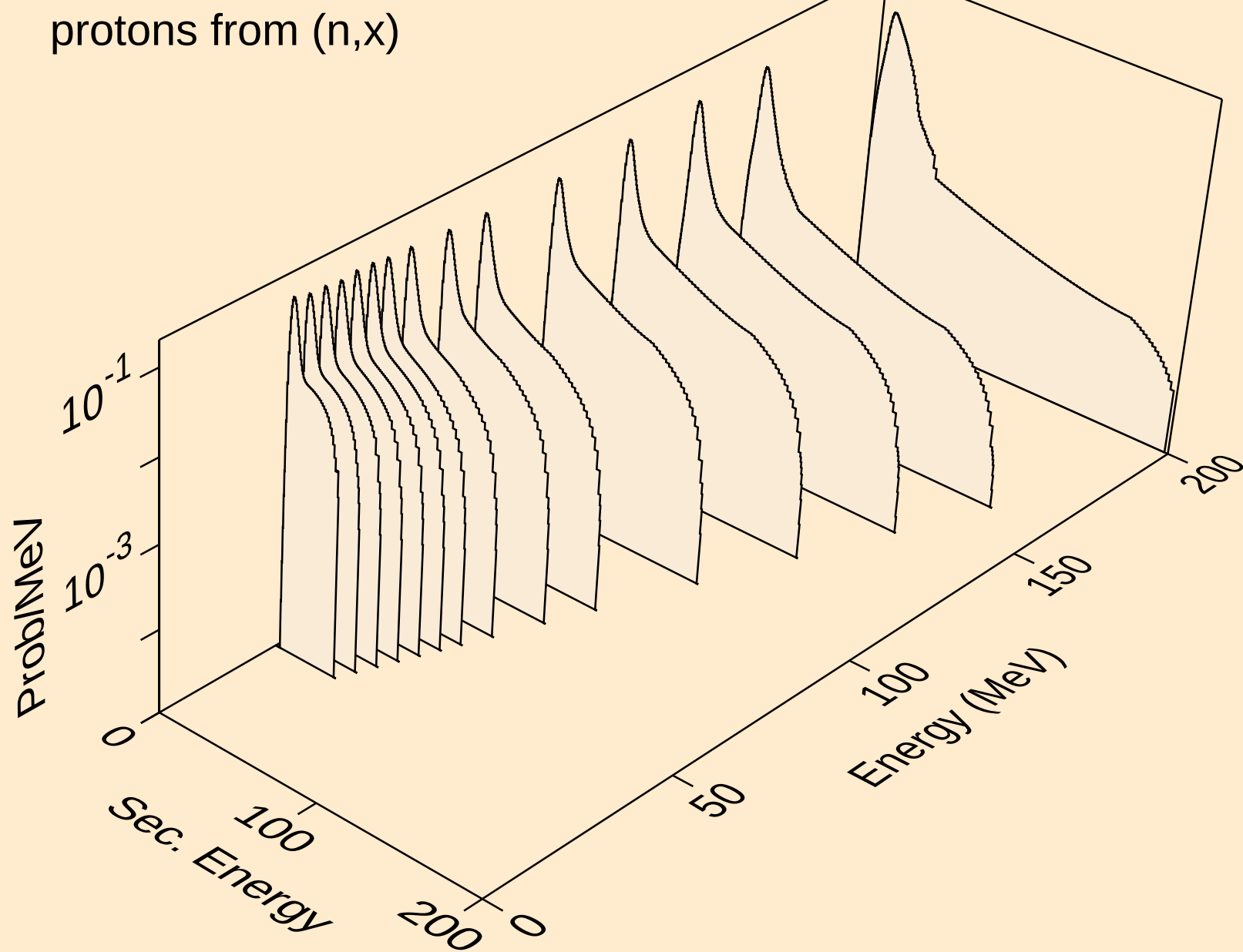


# BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

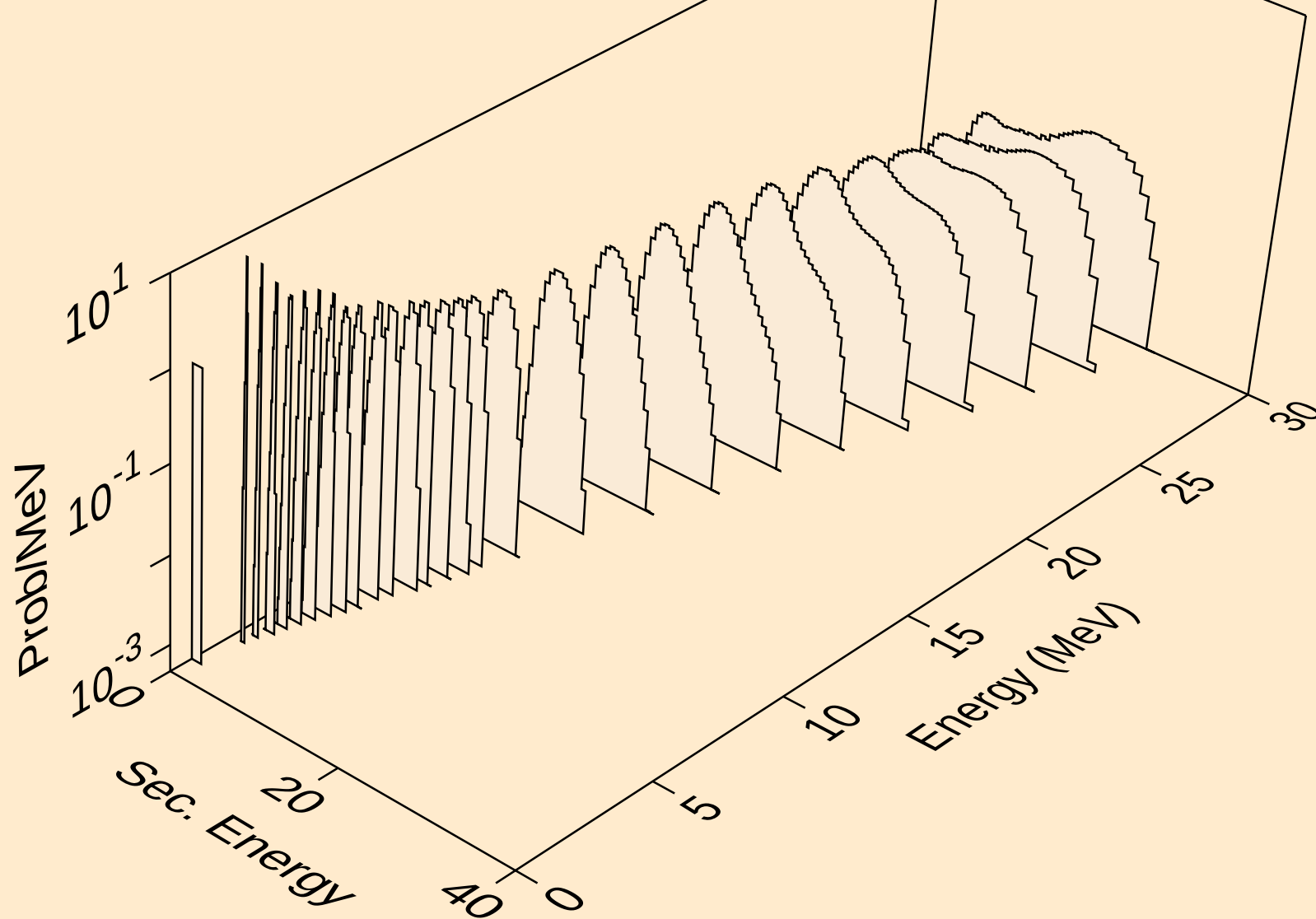
## Particle production cross sections



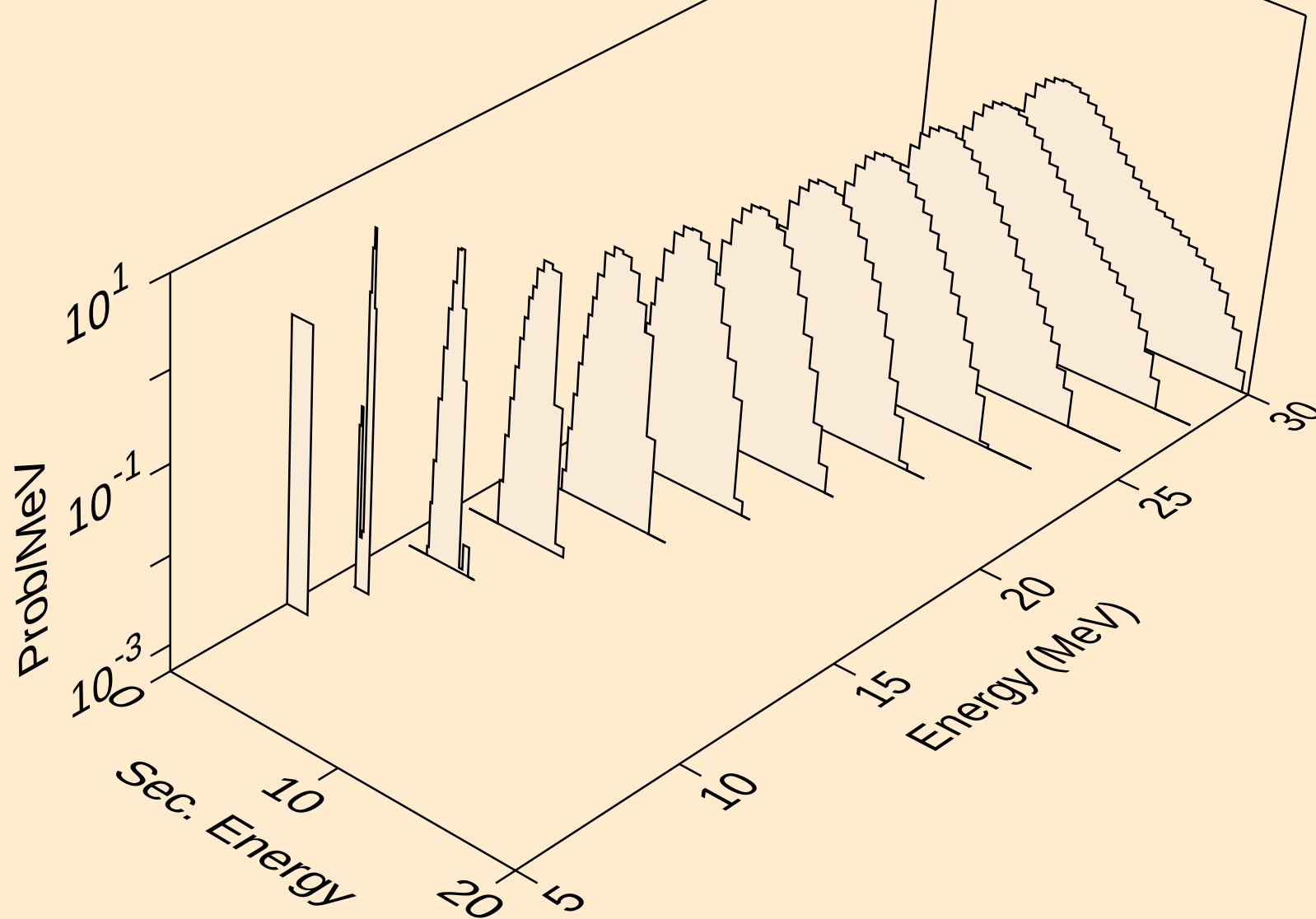
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

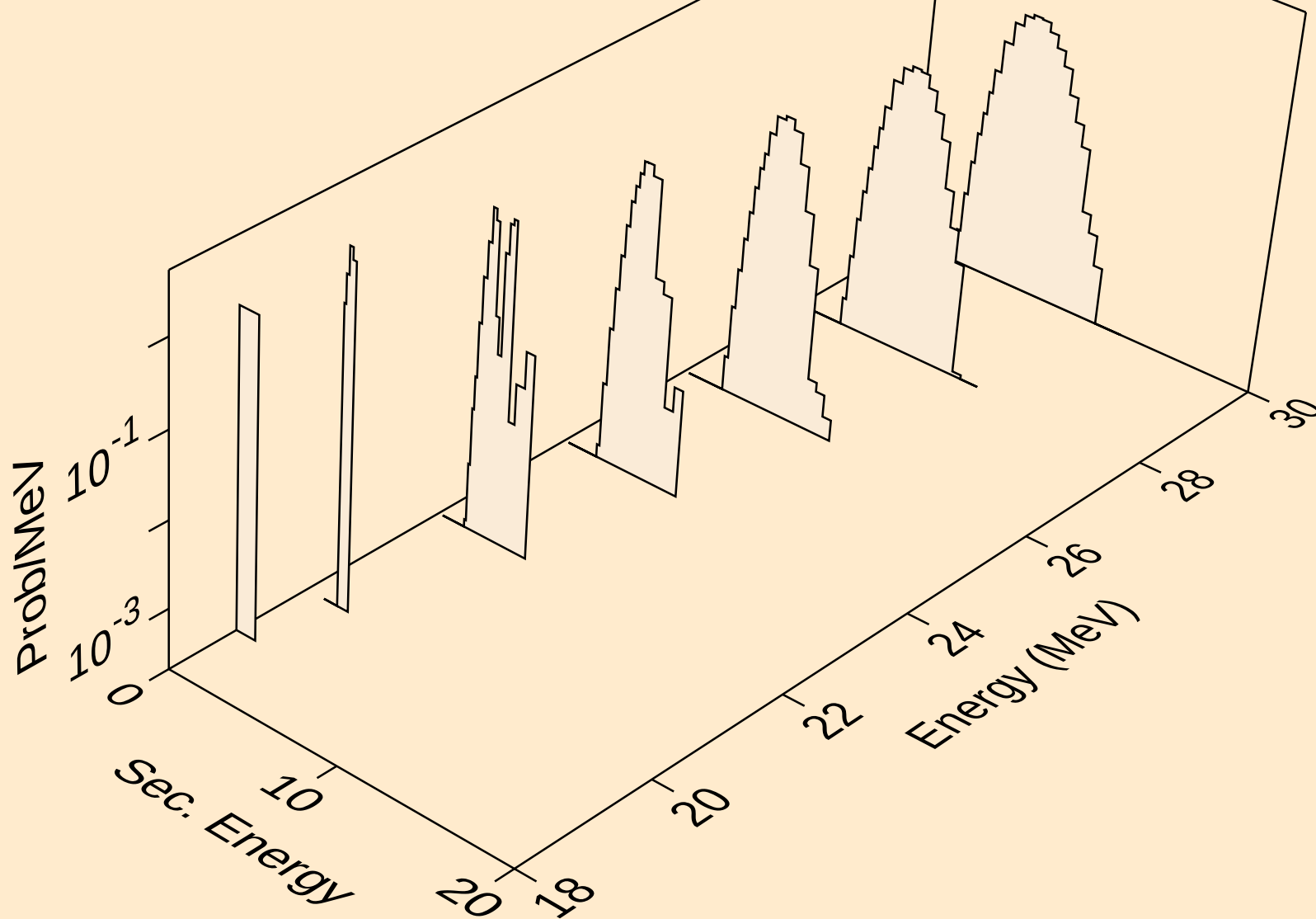


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

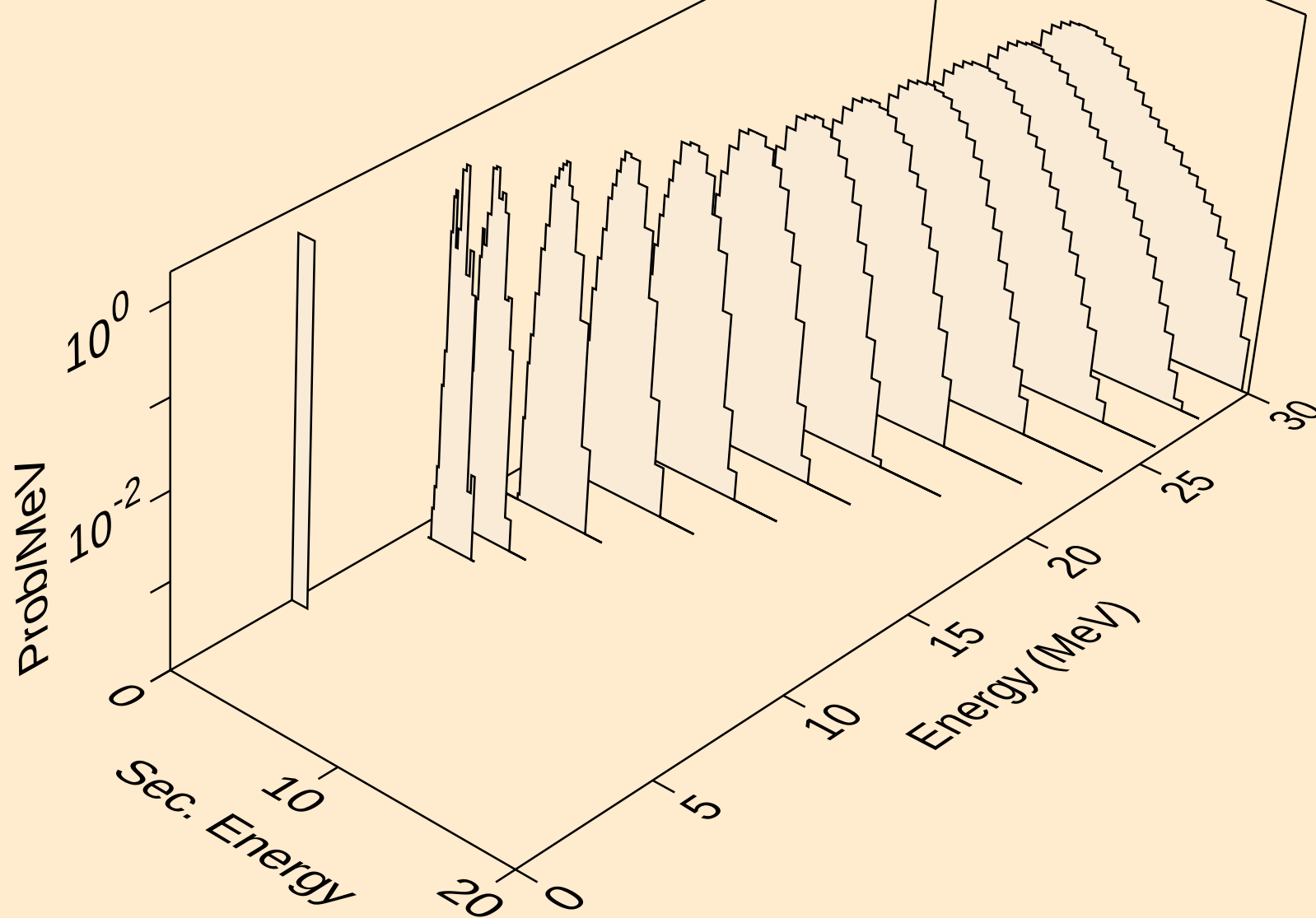




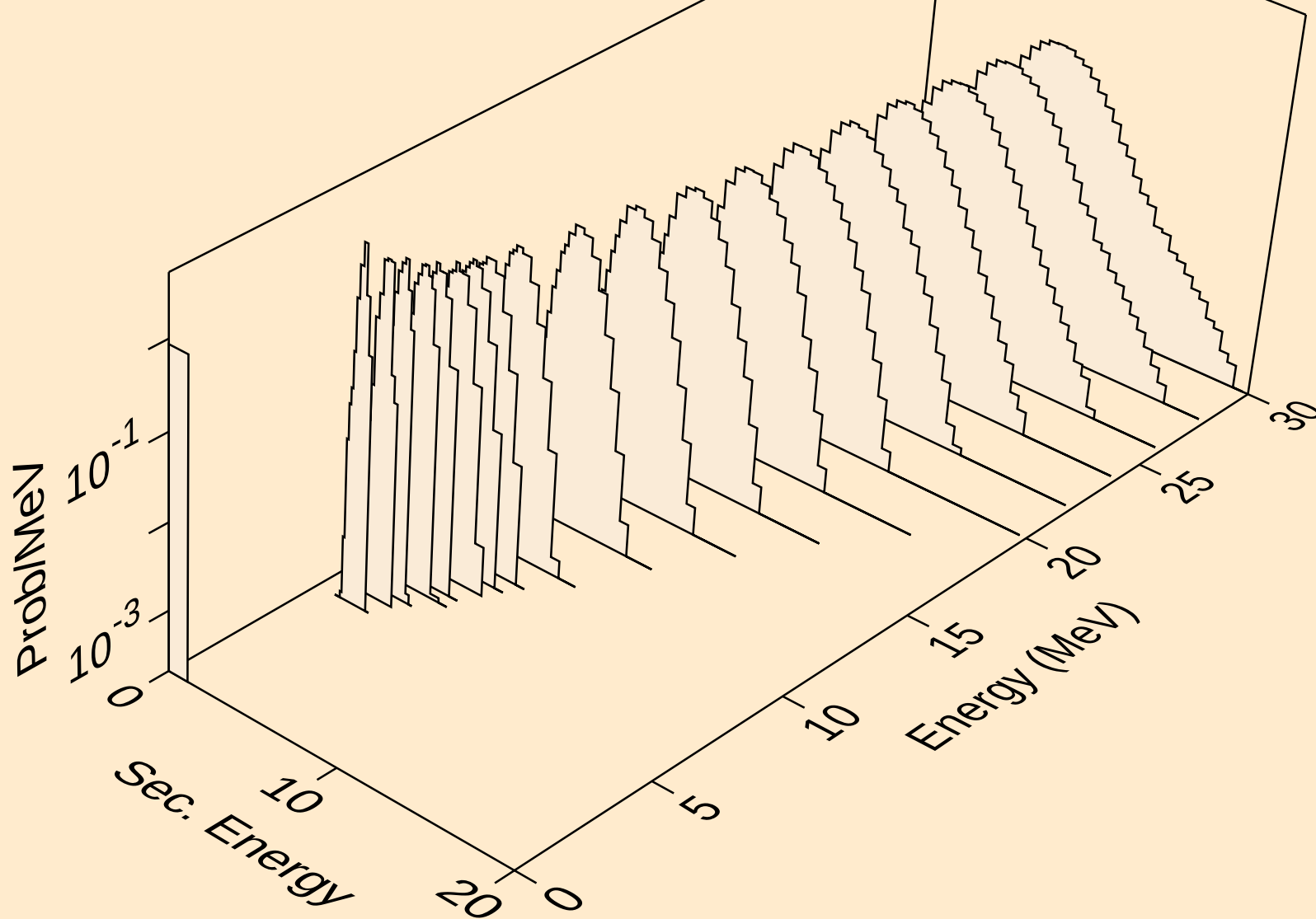
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



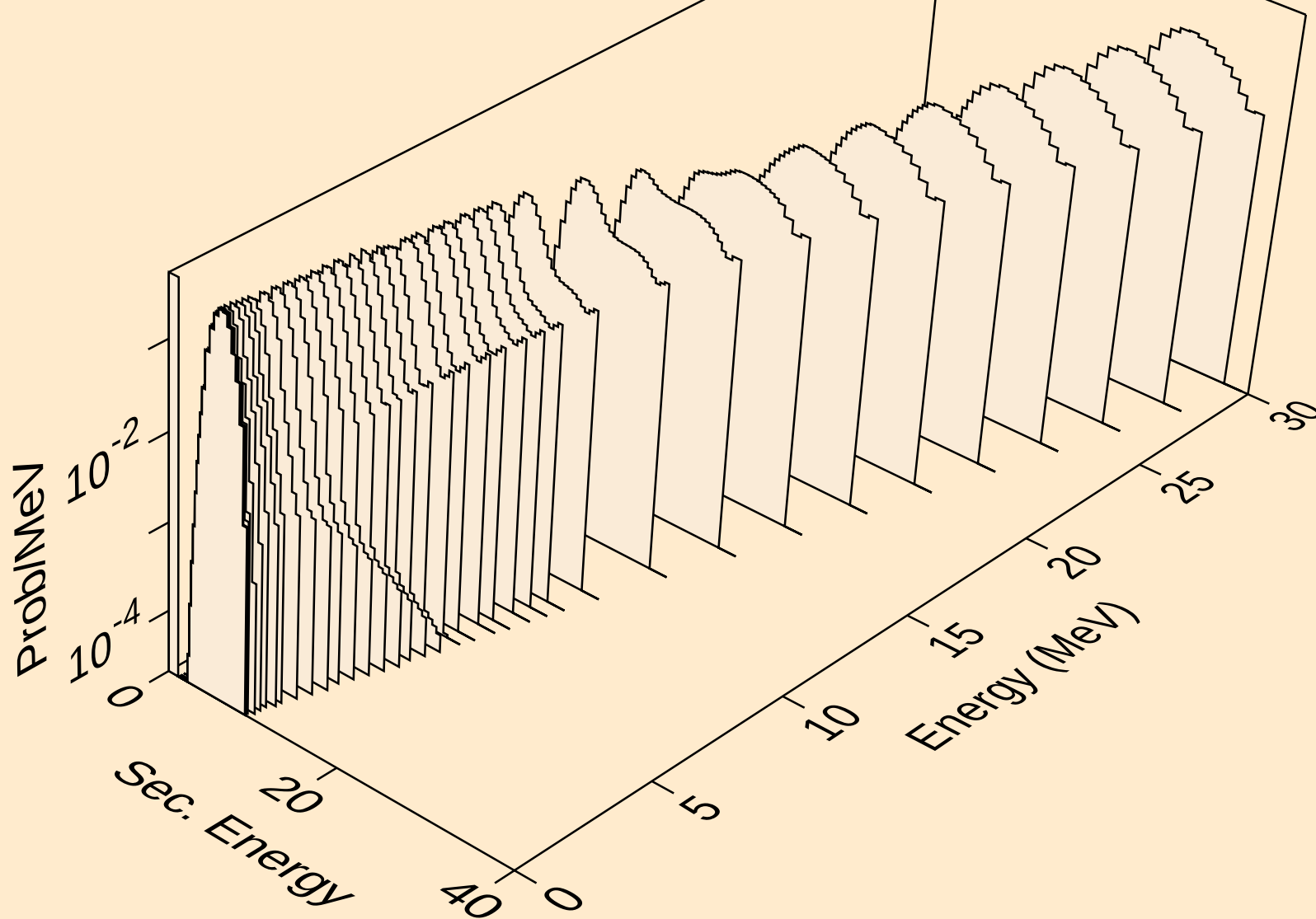
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



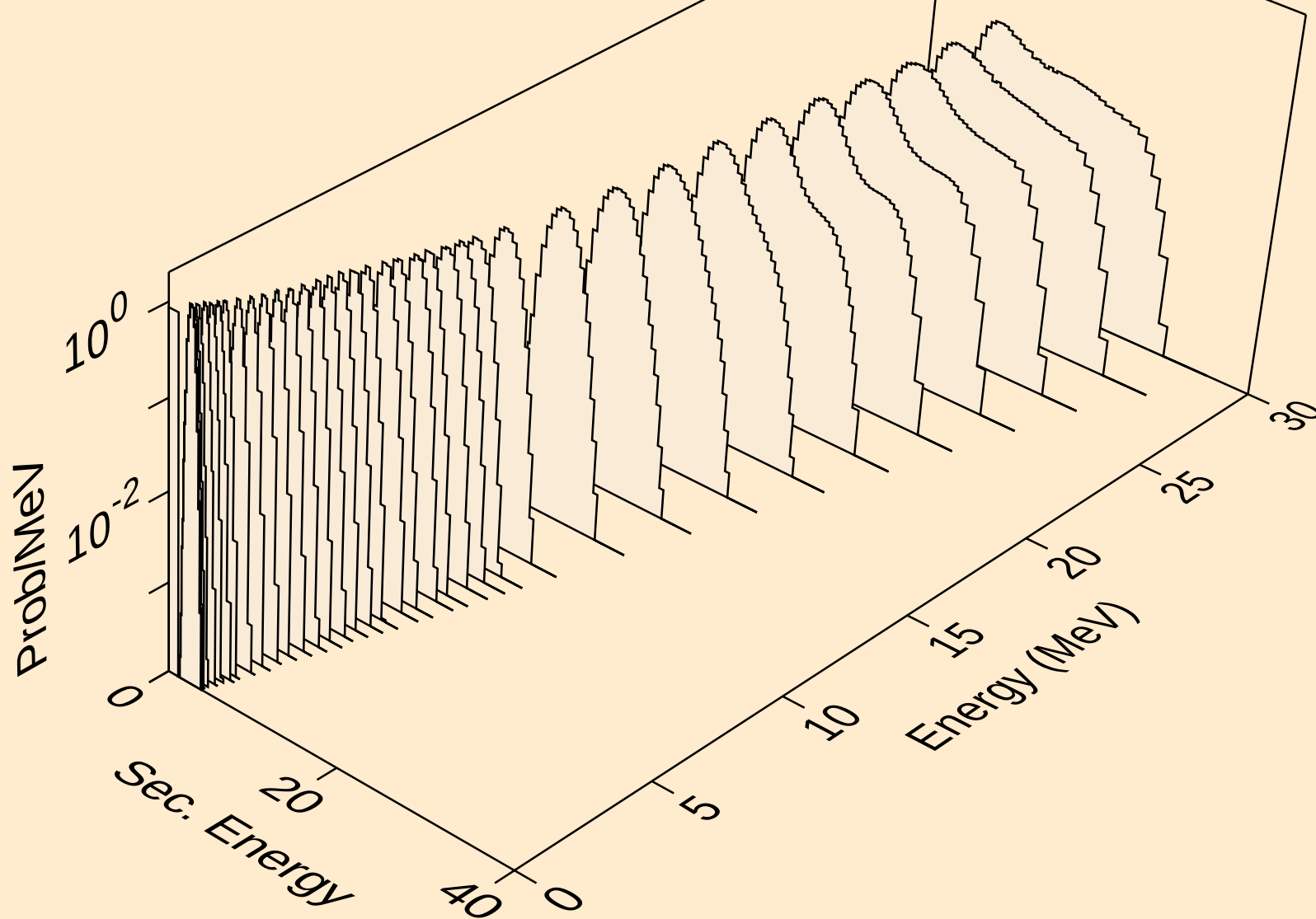
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



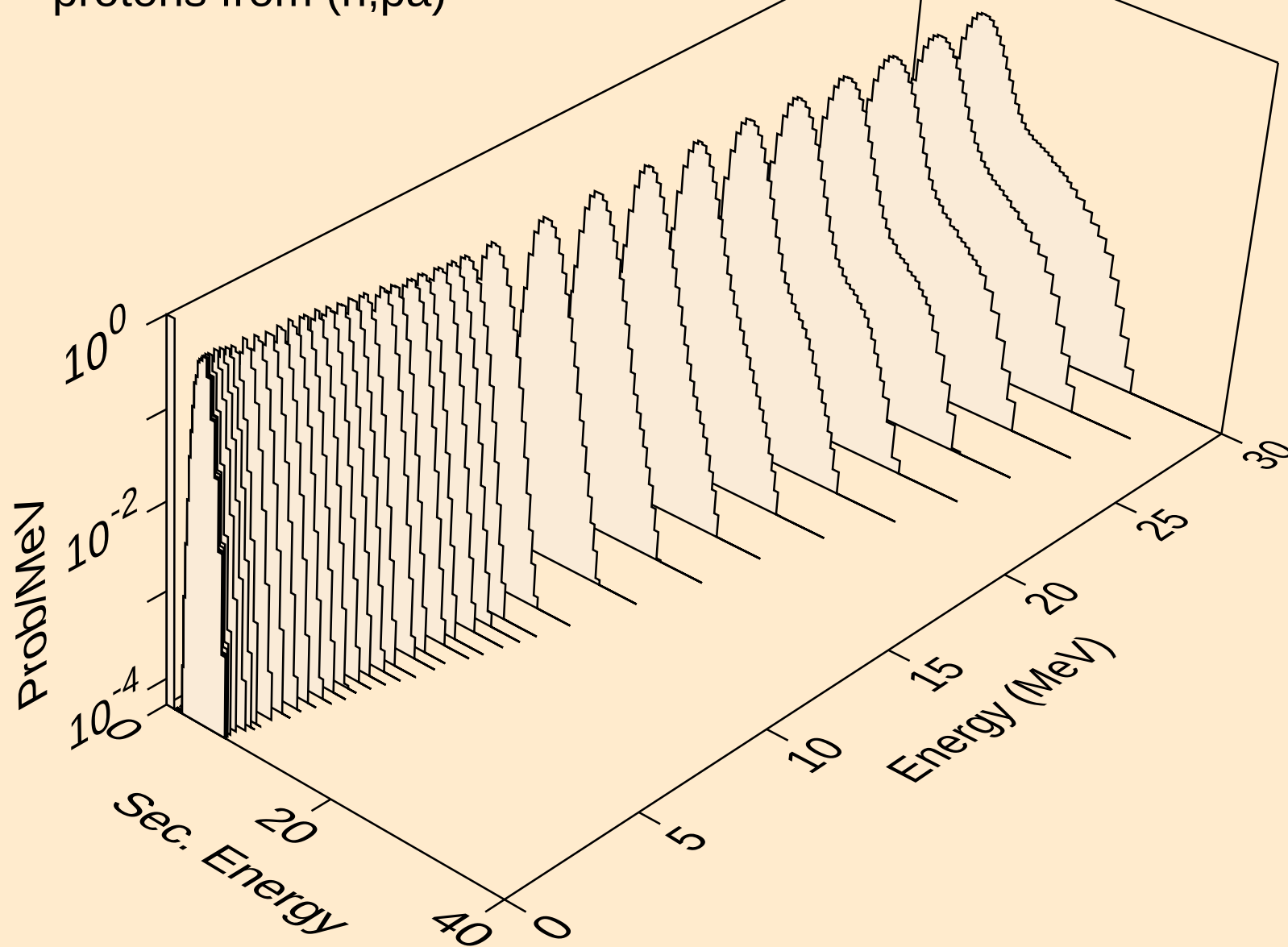
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



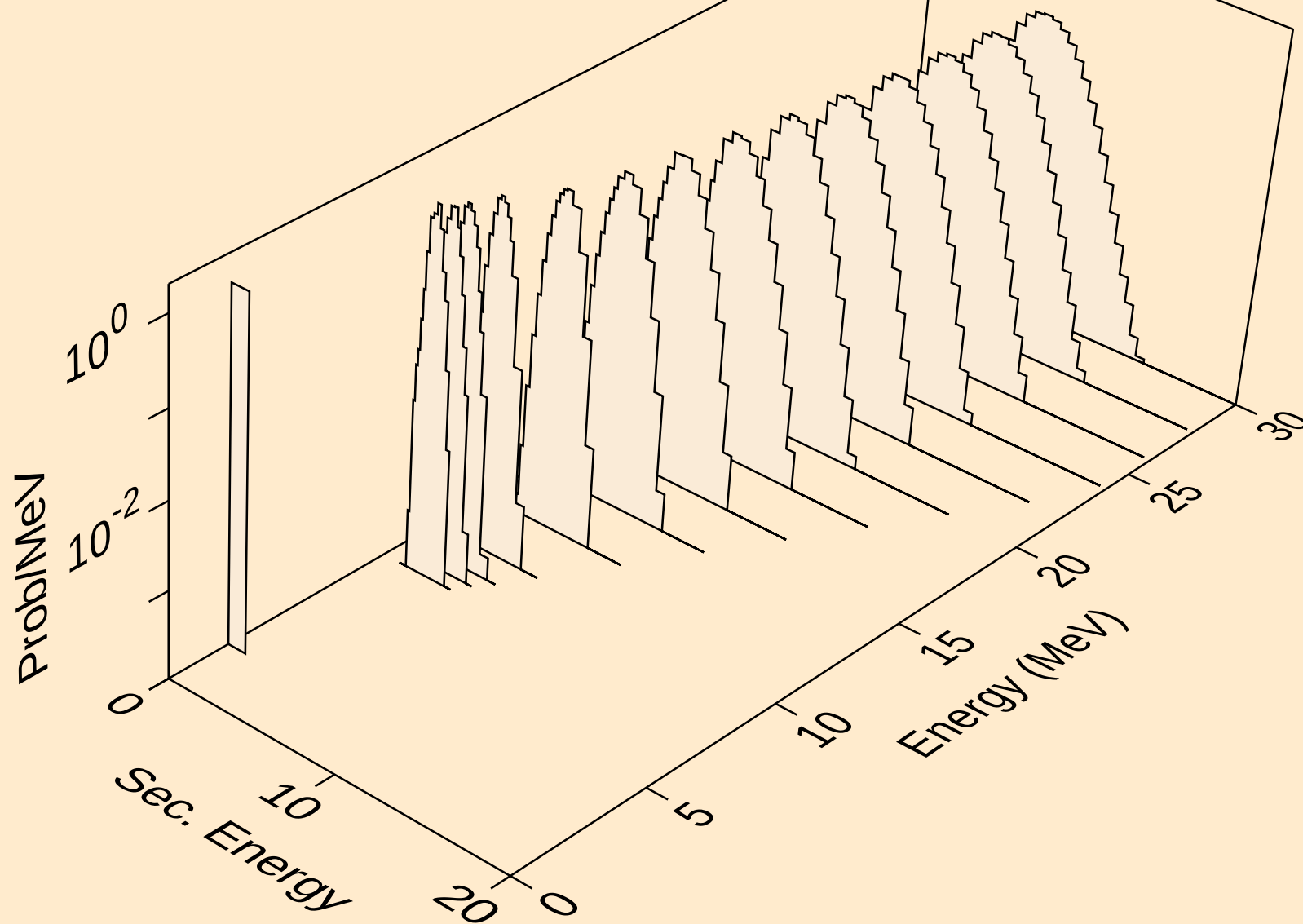
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



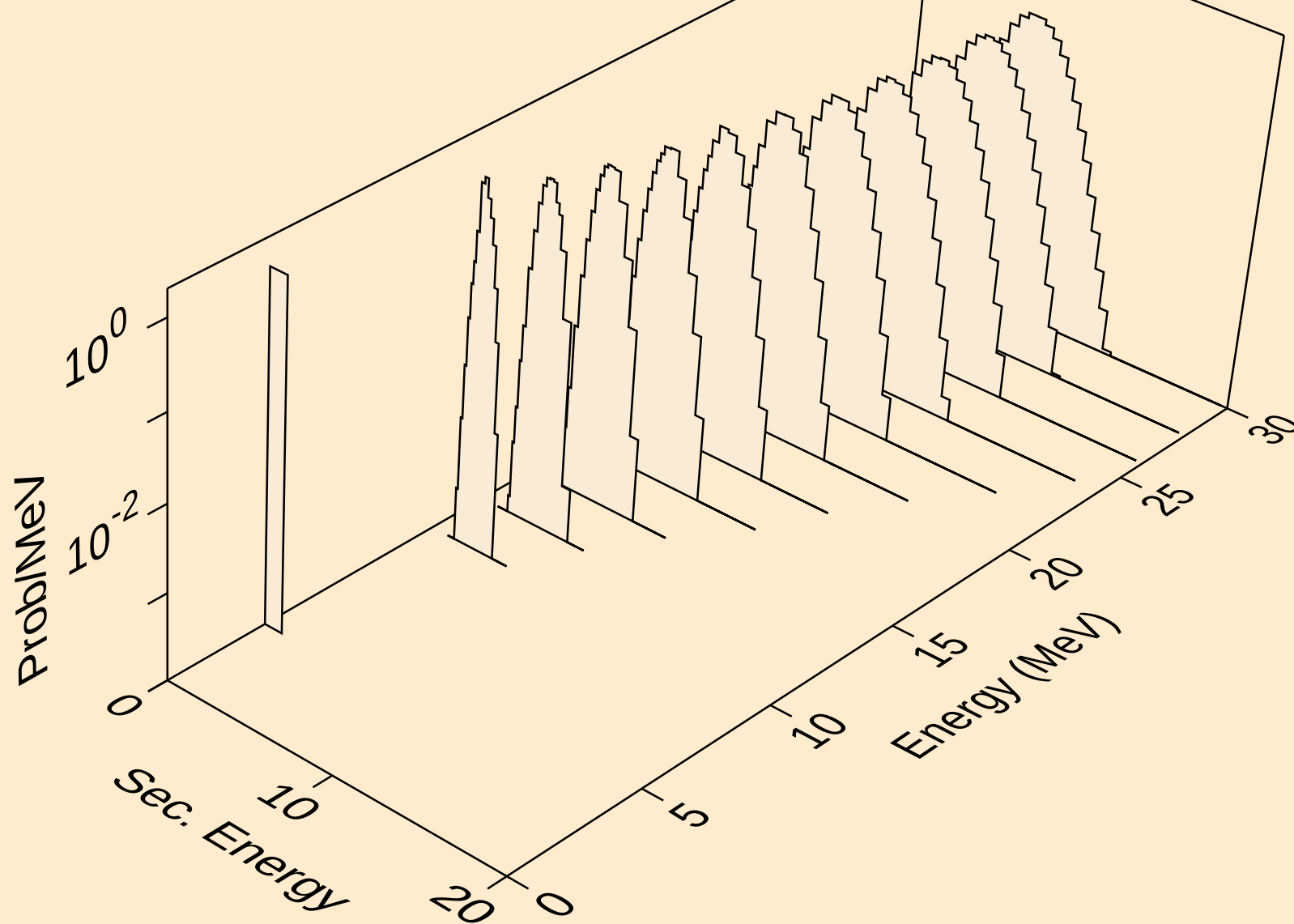
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protons from (n,p)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

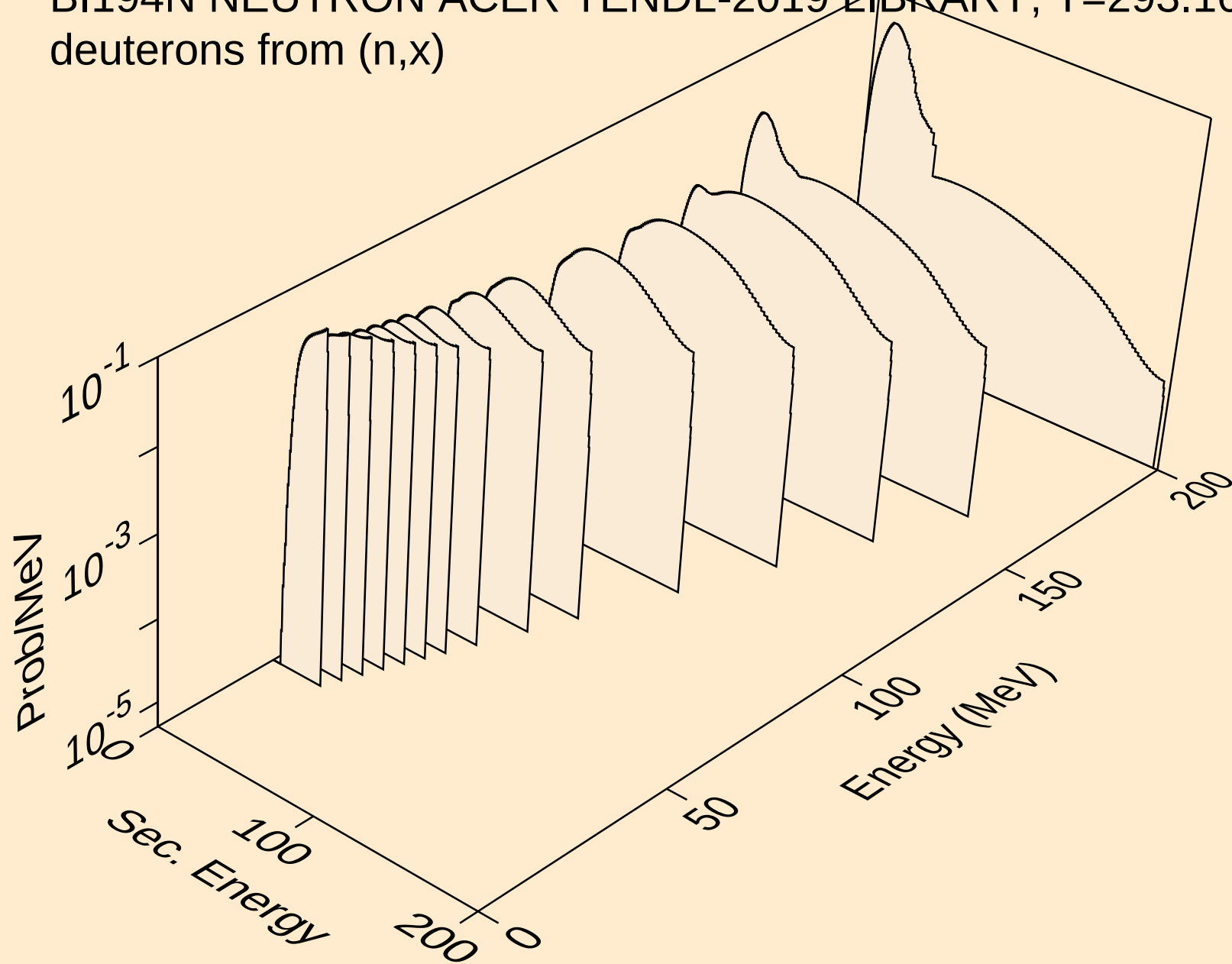


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

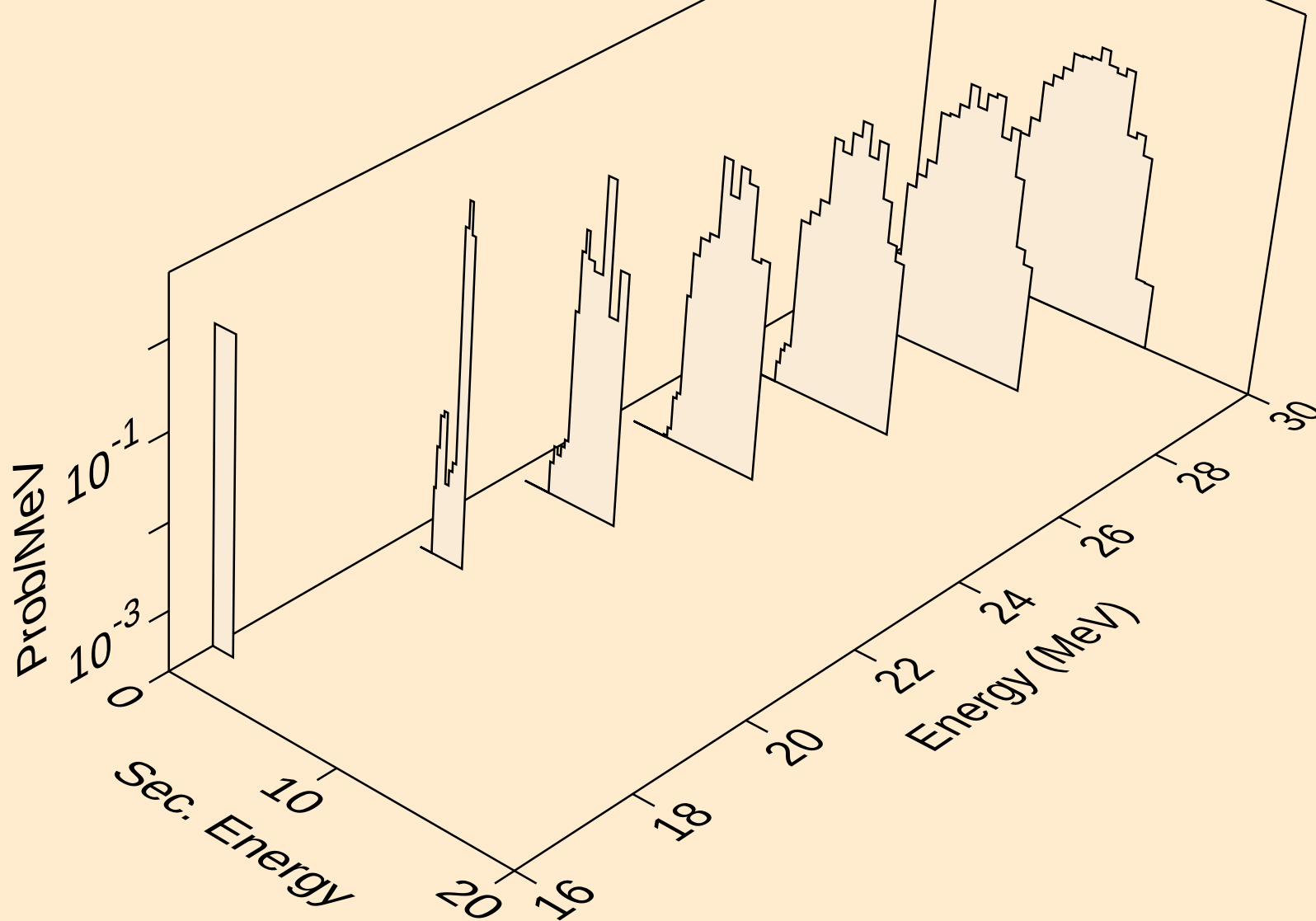




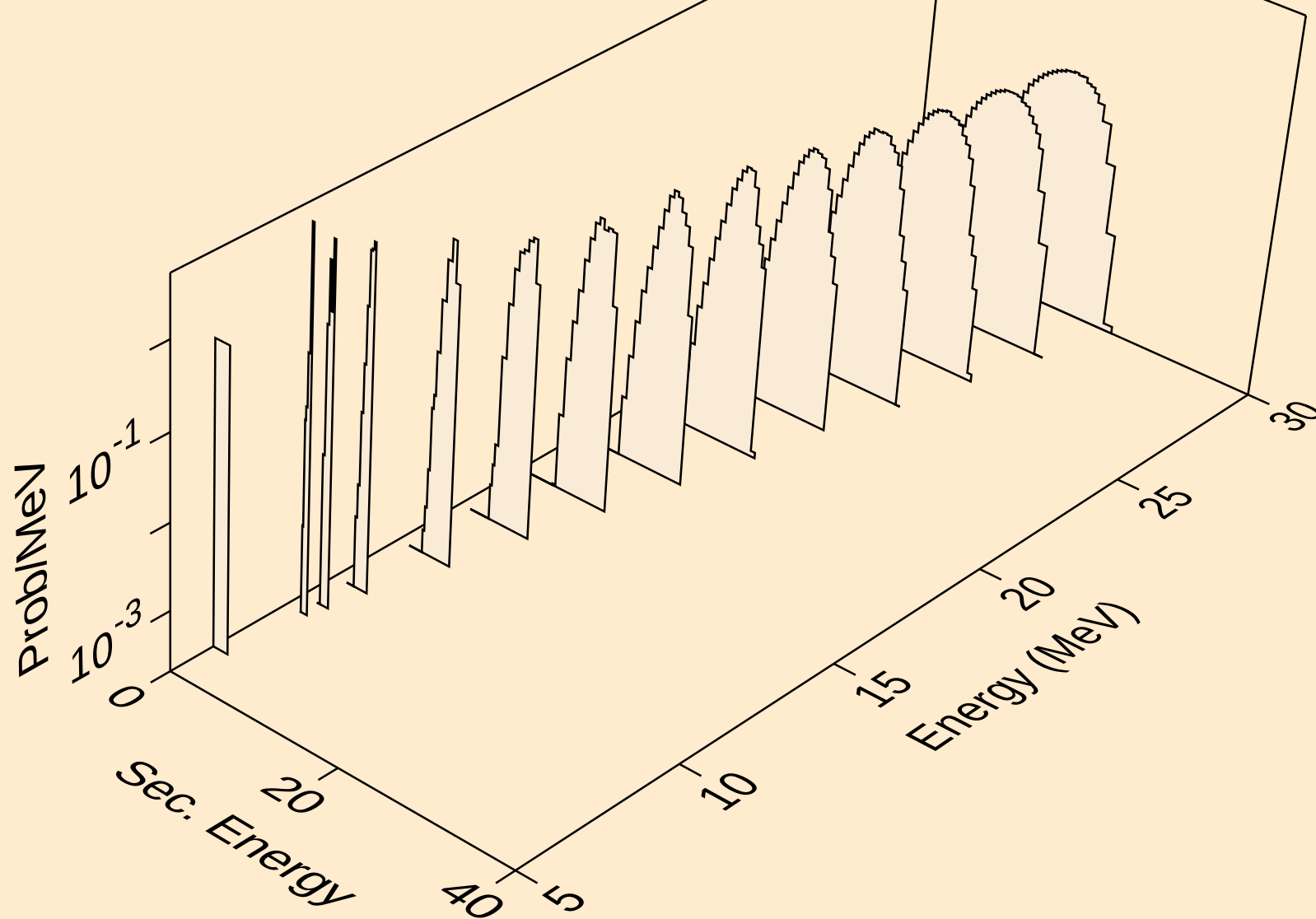
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



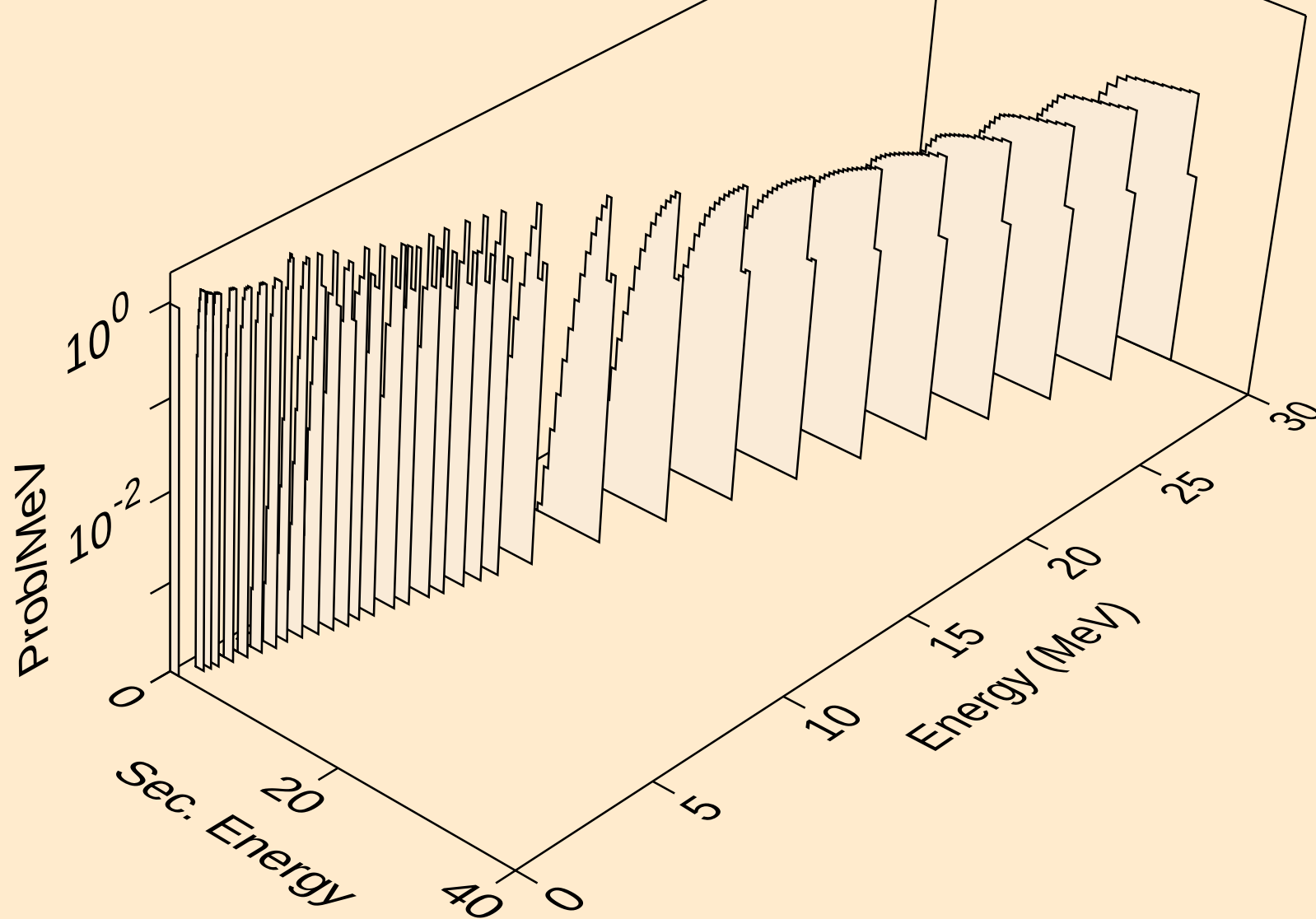
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



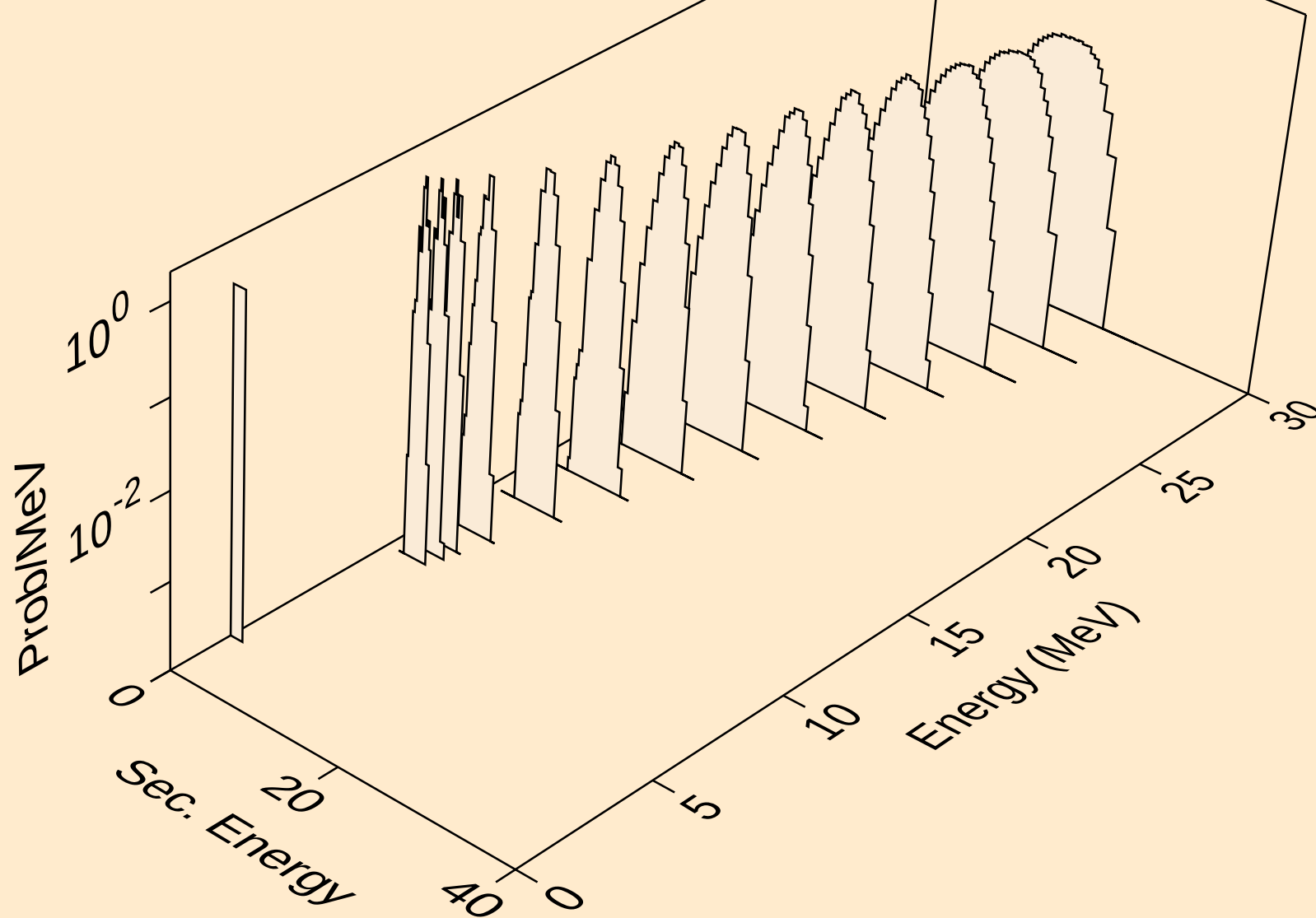
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



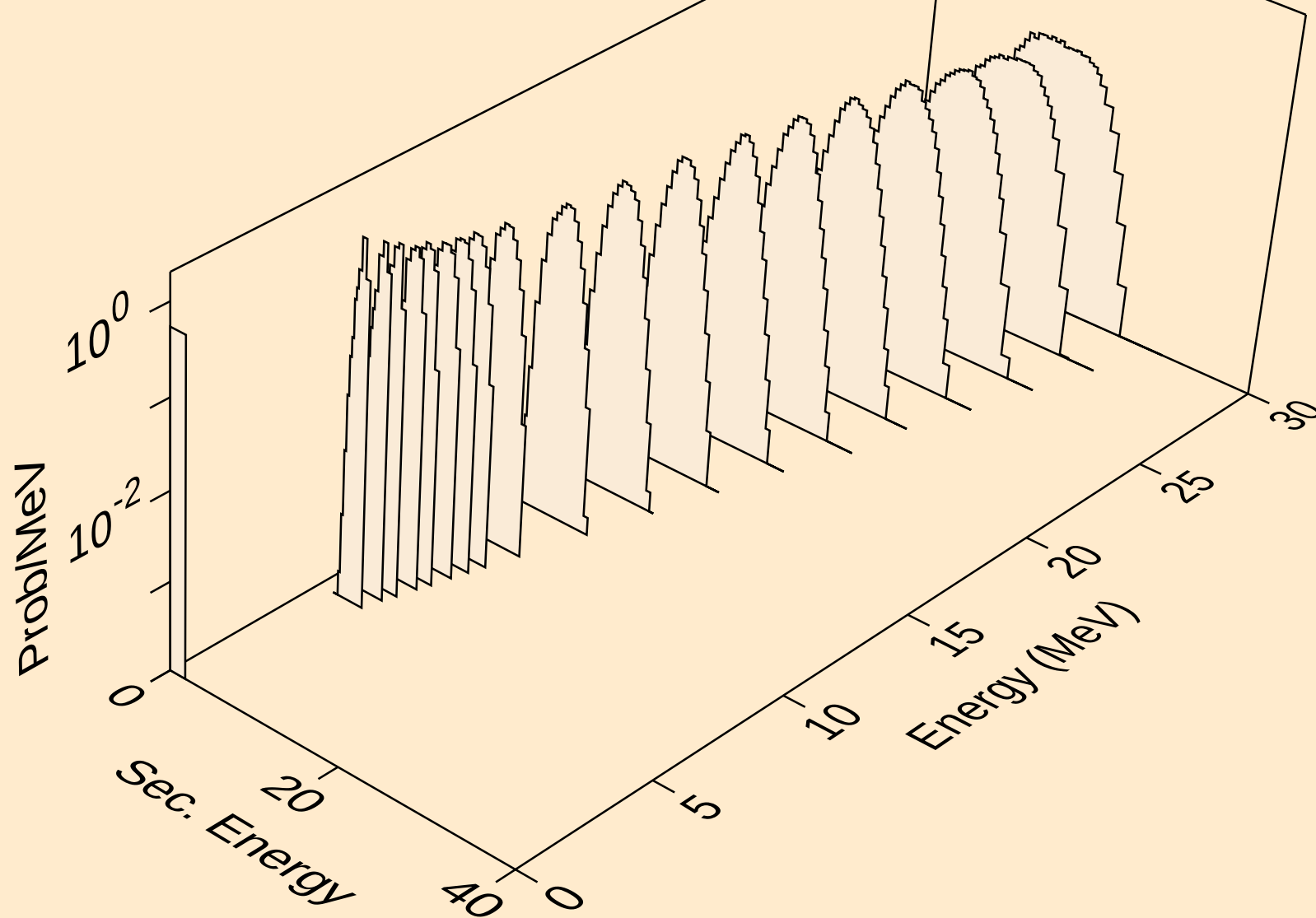
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deuterons from (n,d)



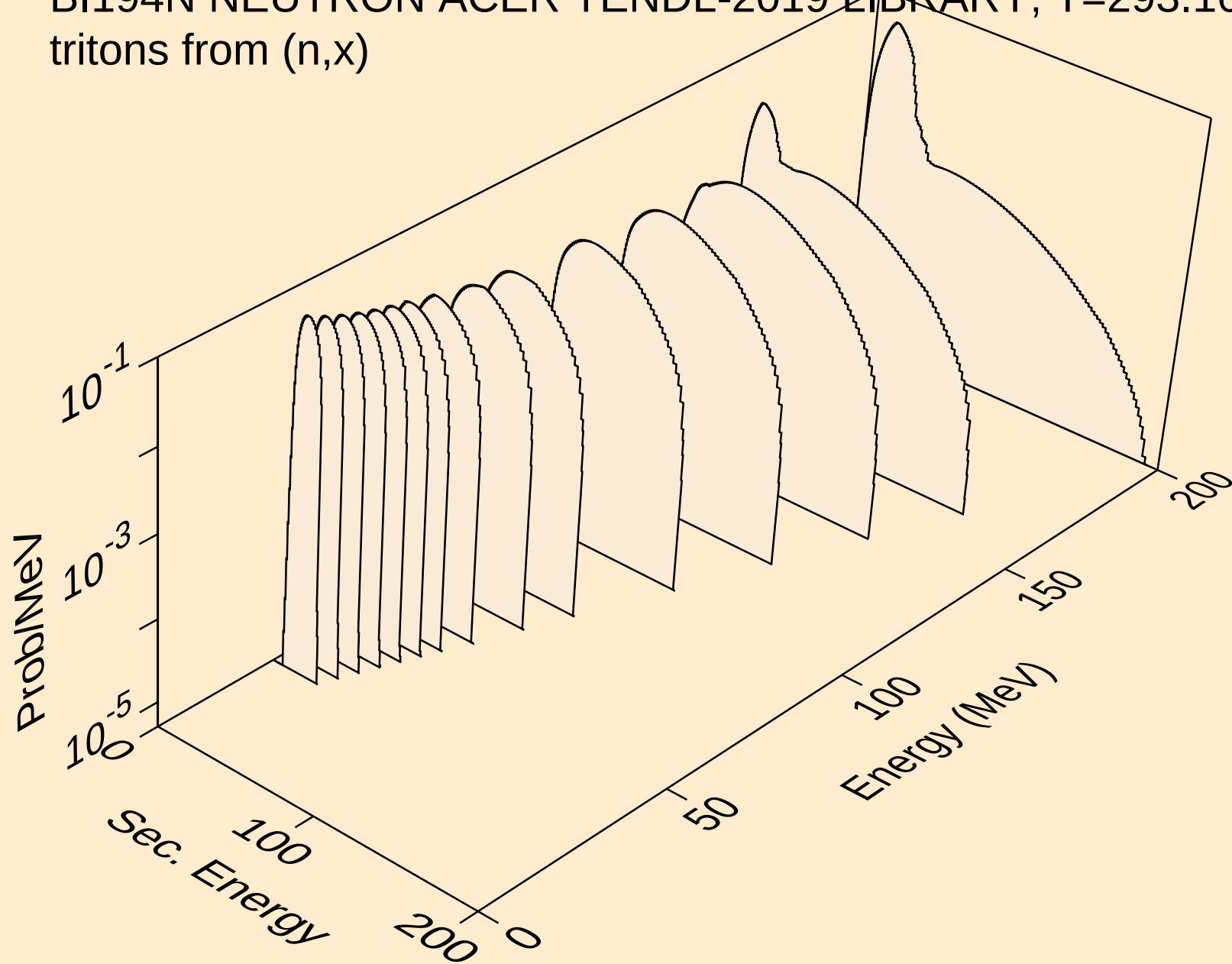
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deuterons from (n,pd)



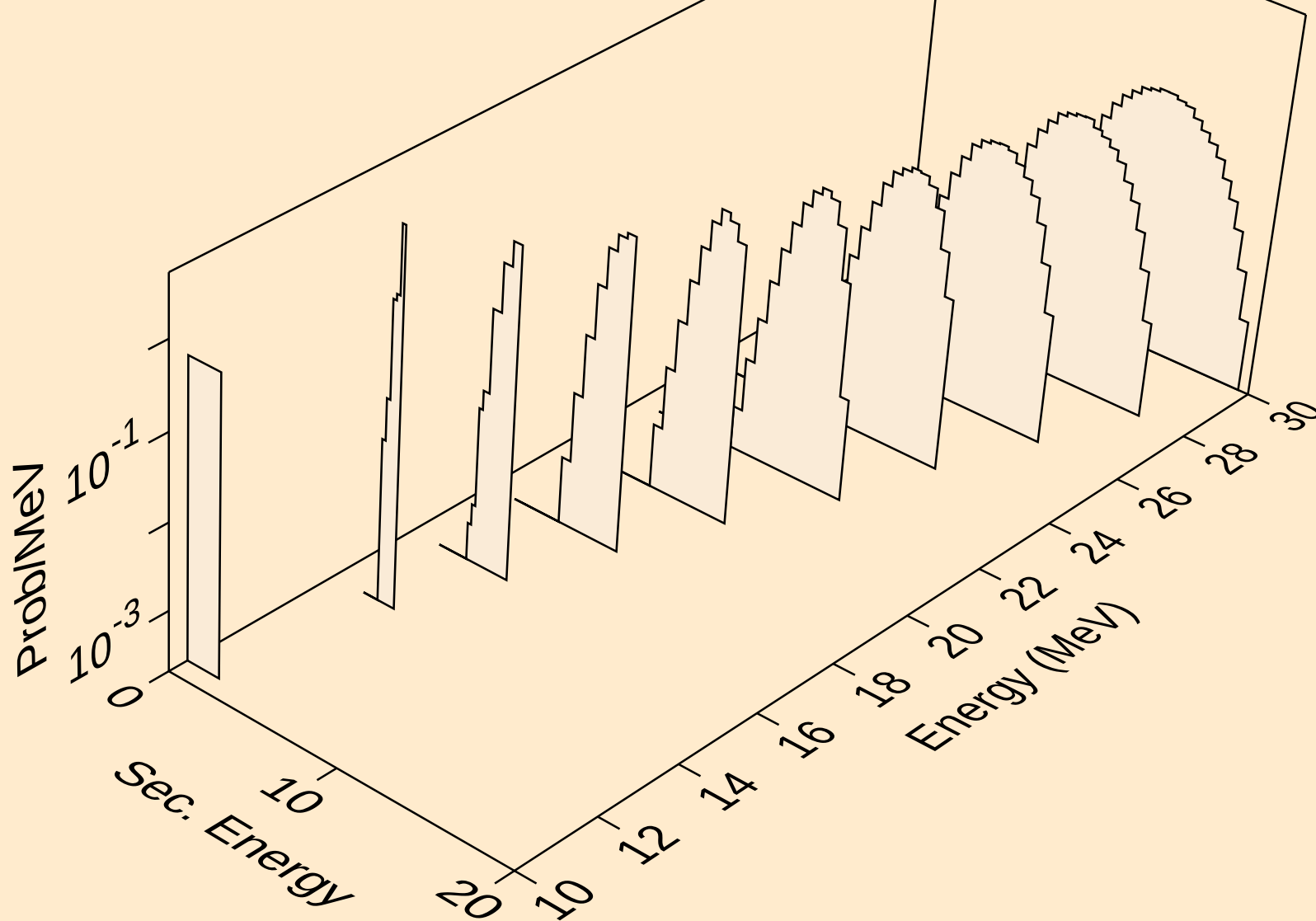
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

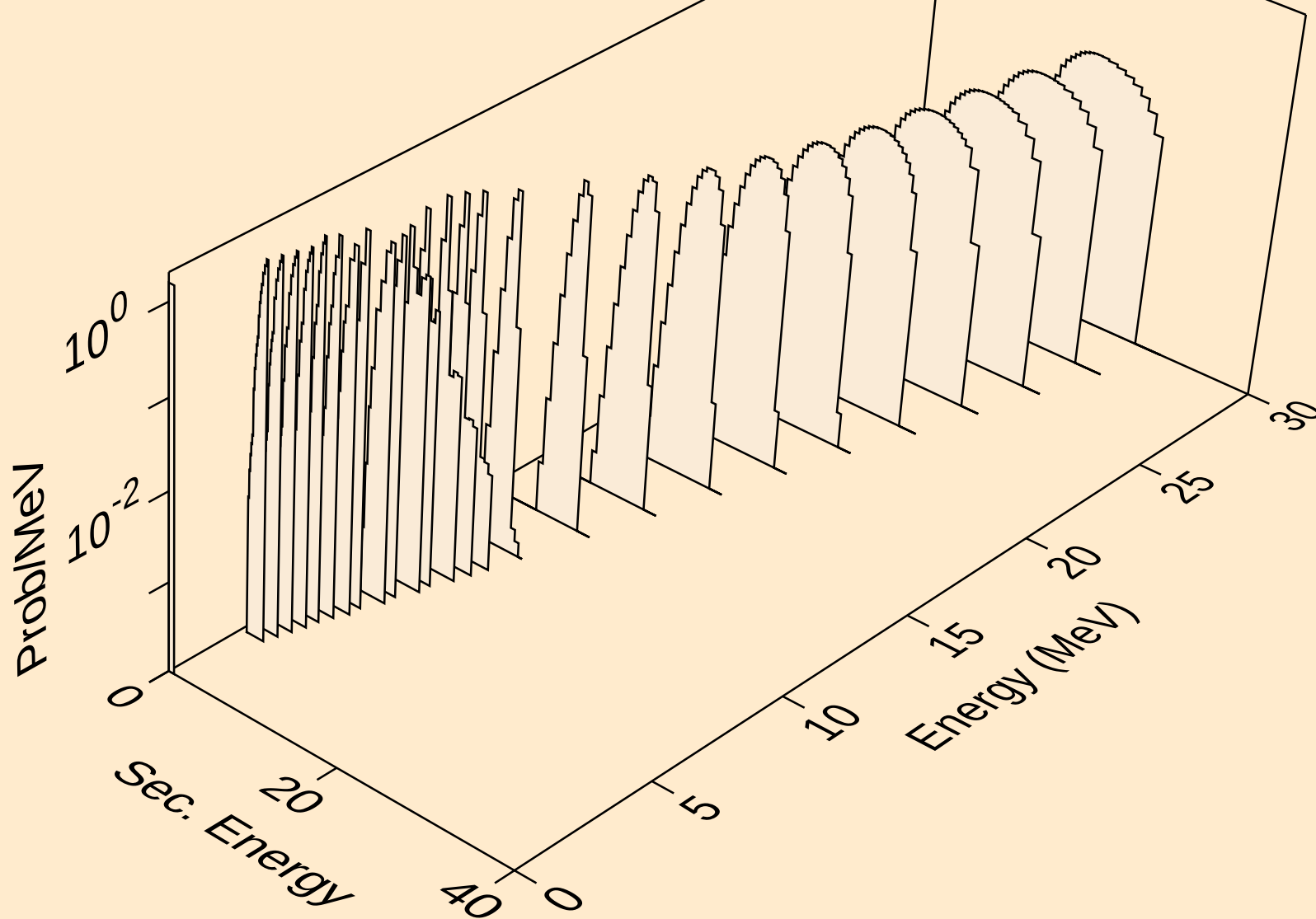


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

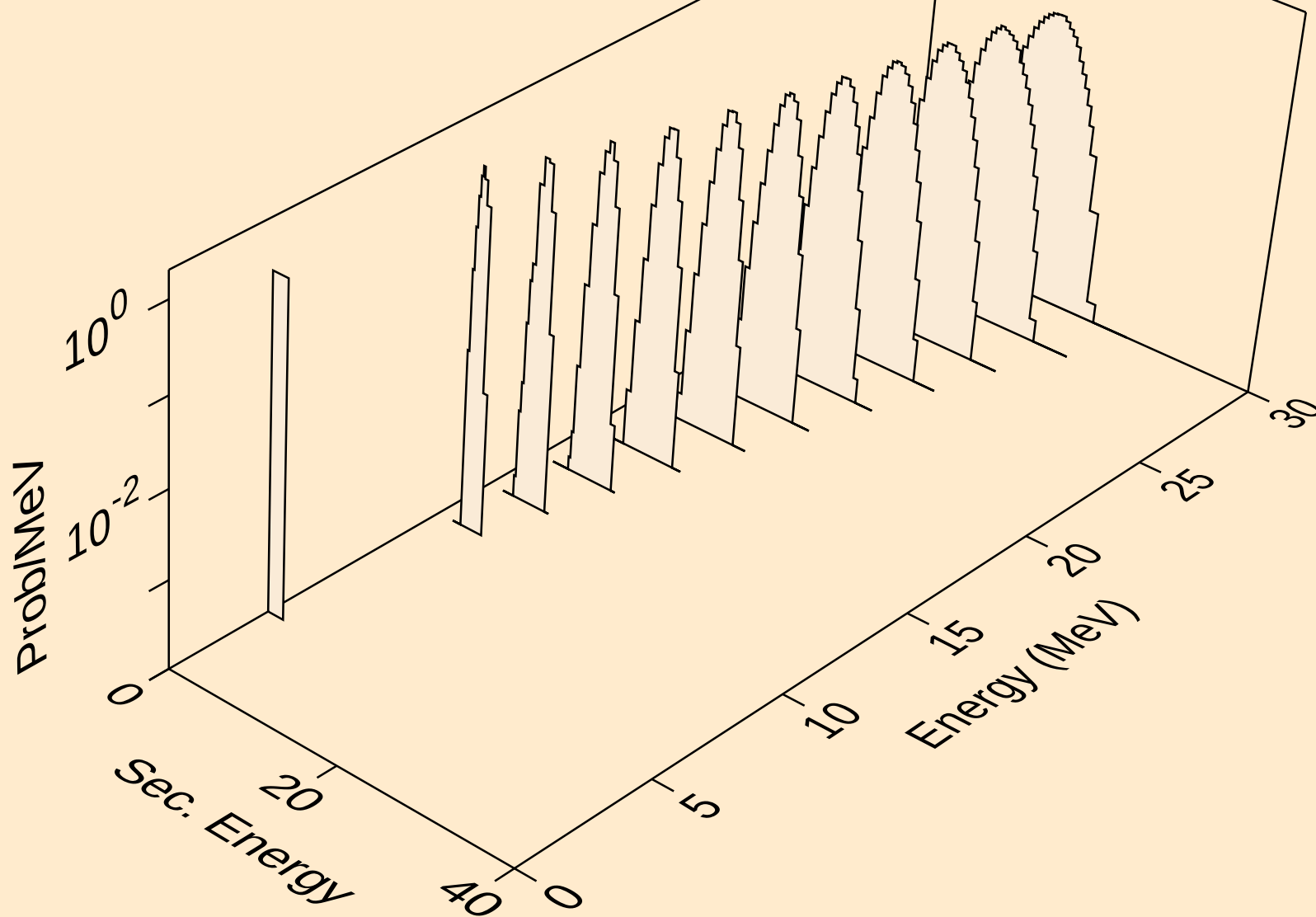




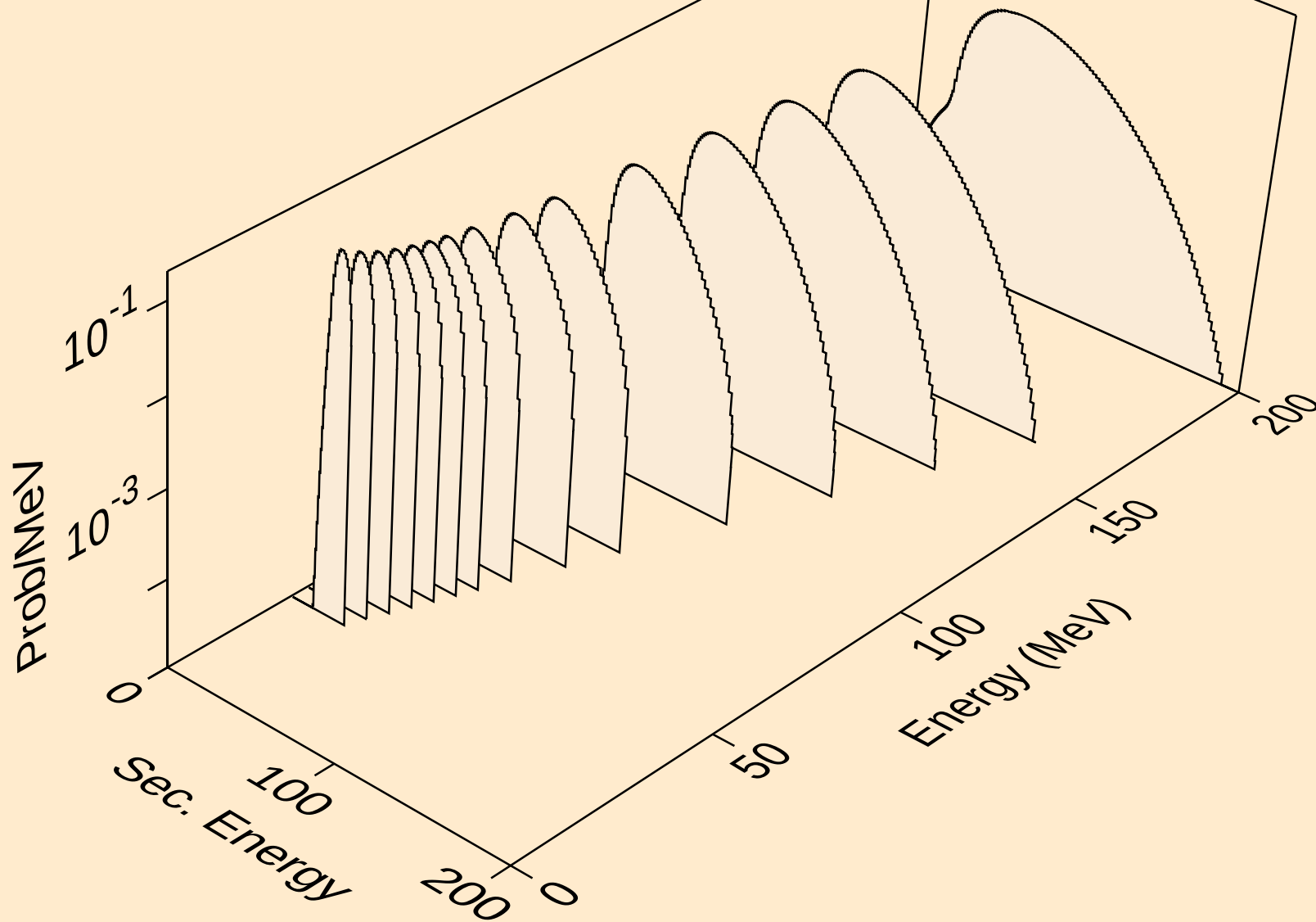
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tritons from (n,t)



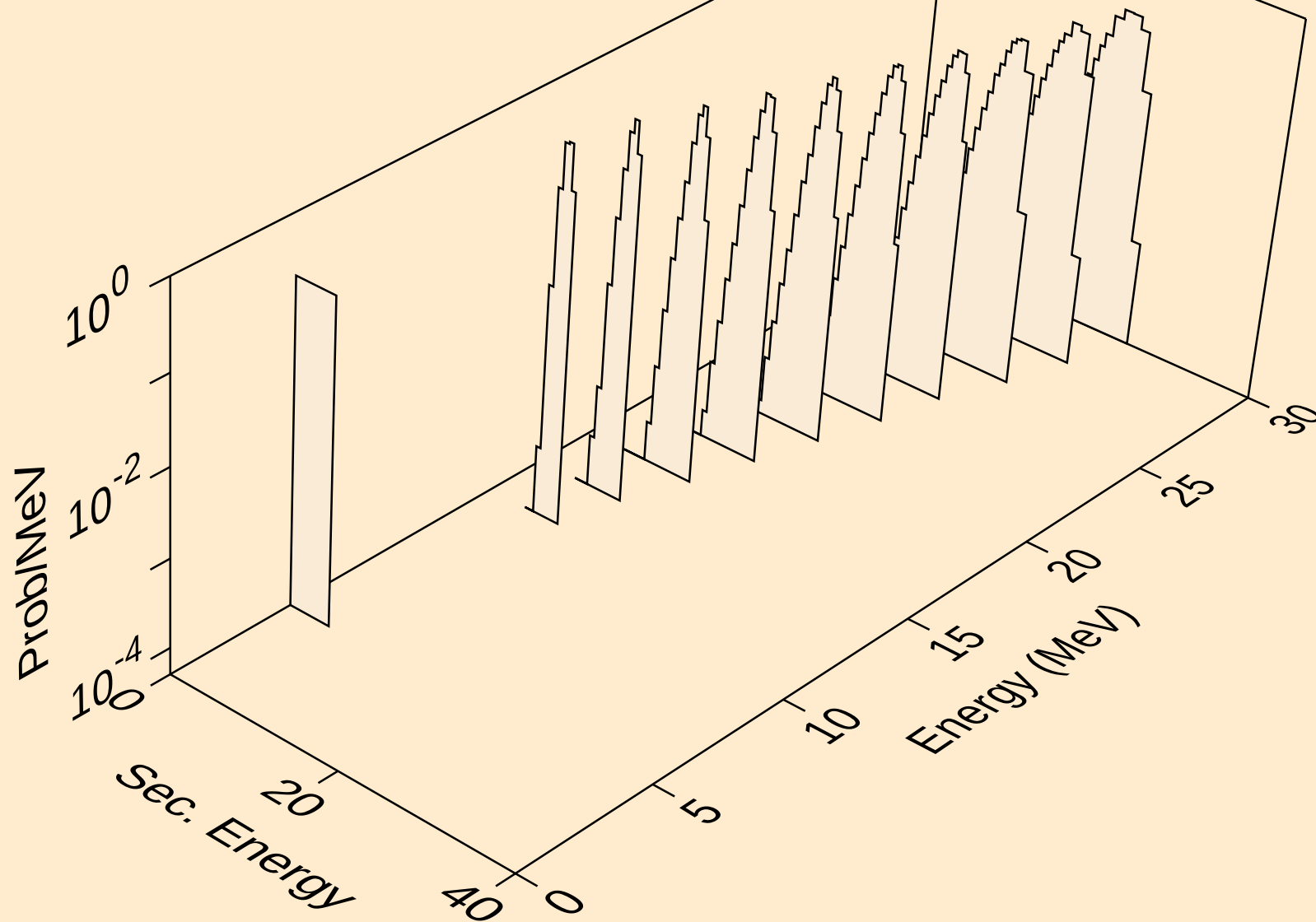
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tritons from (n,pt)



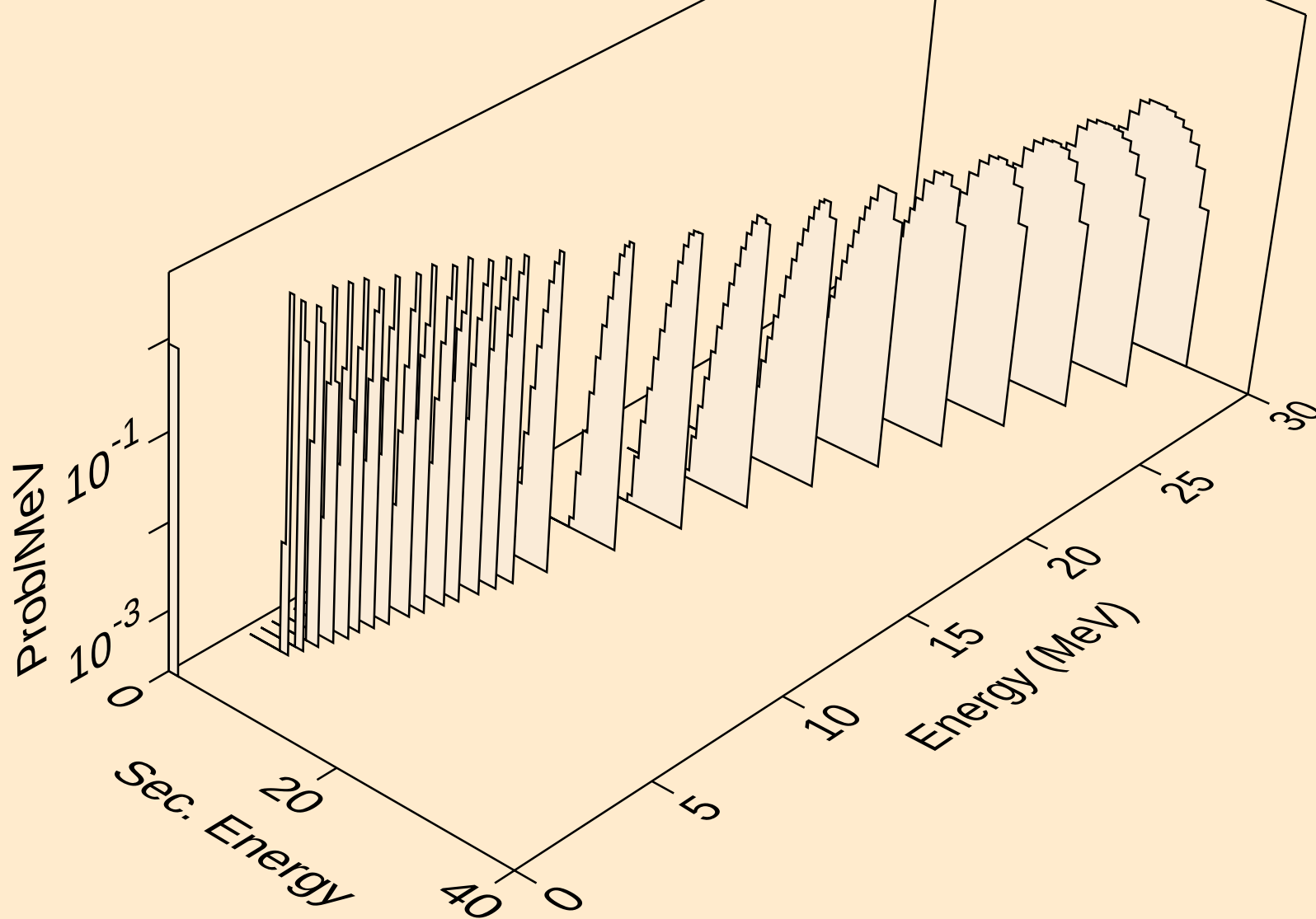
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



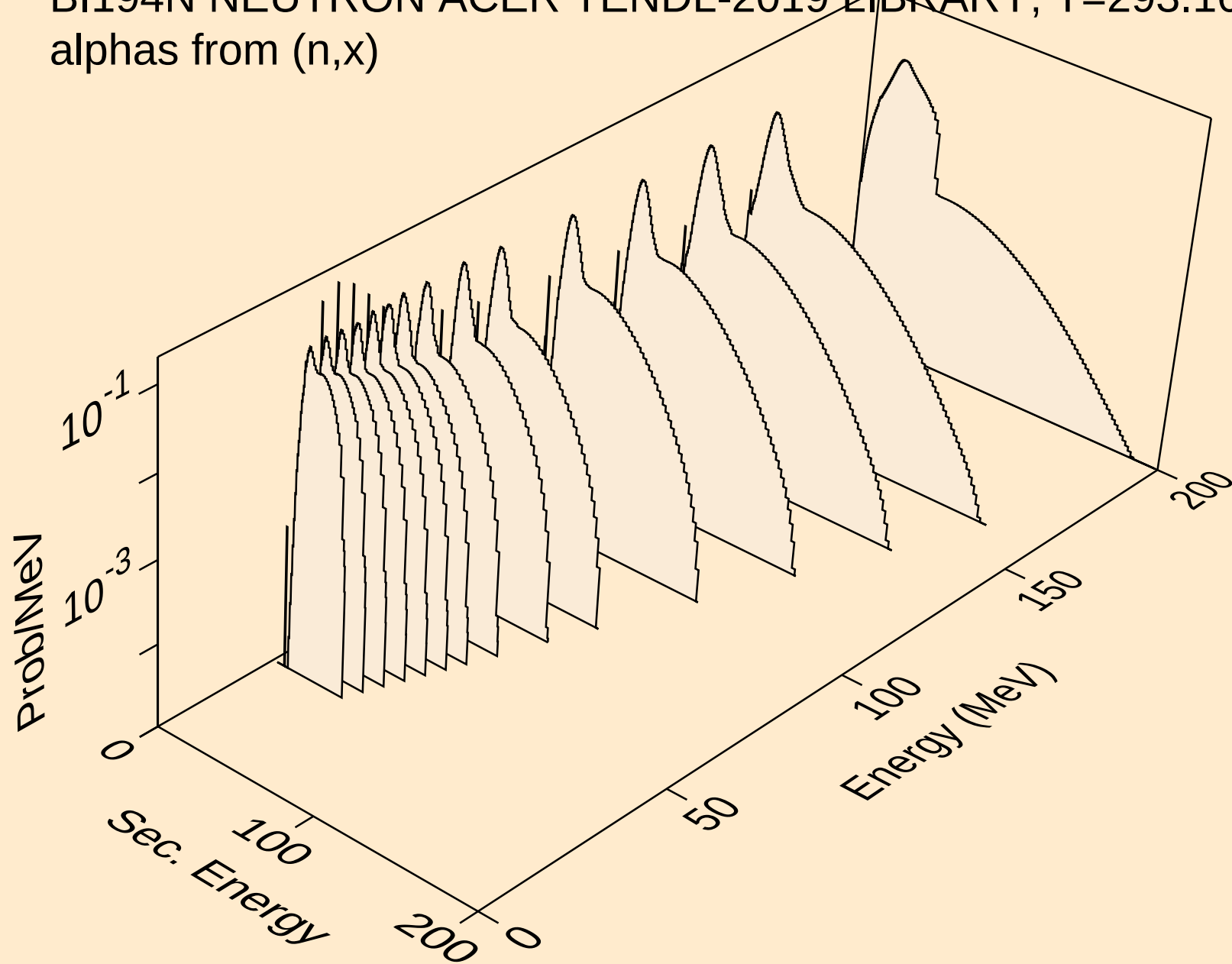
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



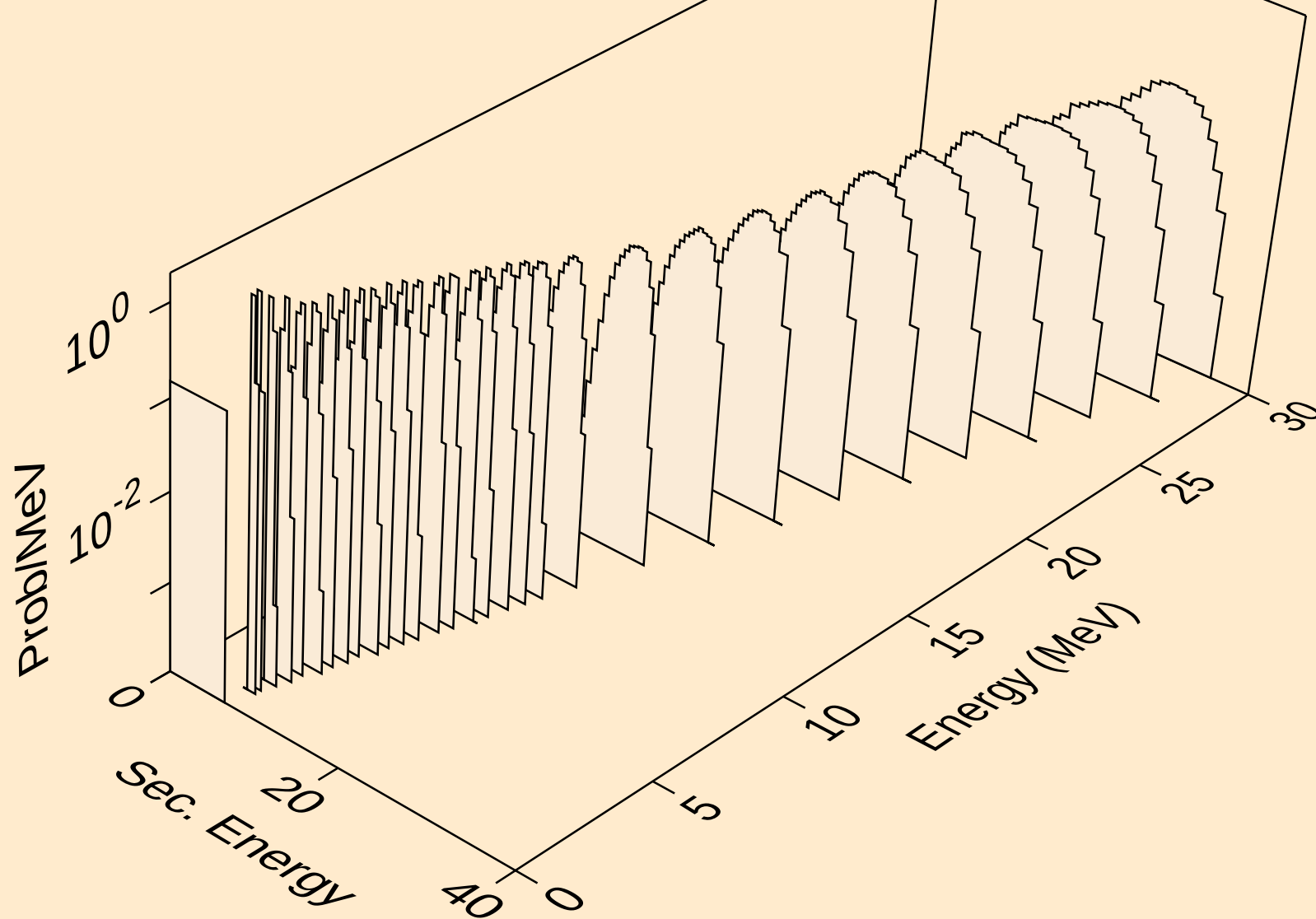
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he3s from (n,he3)



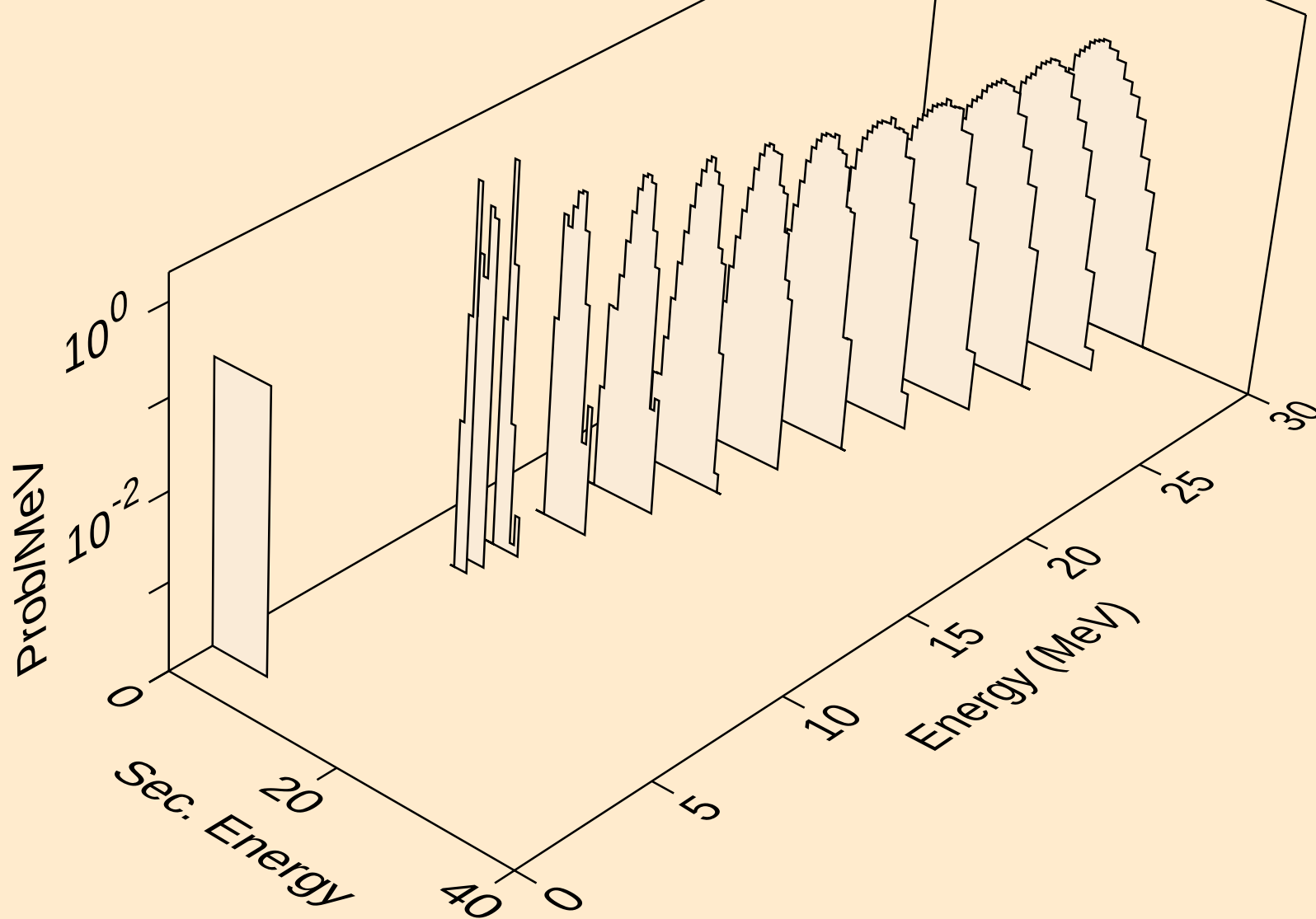
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

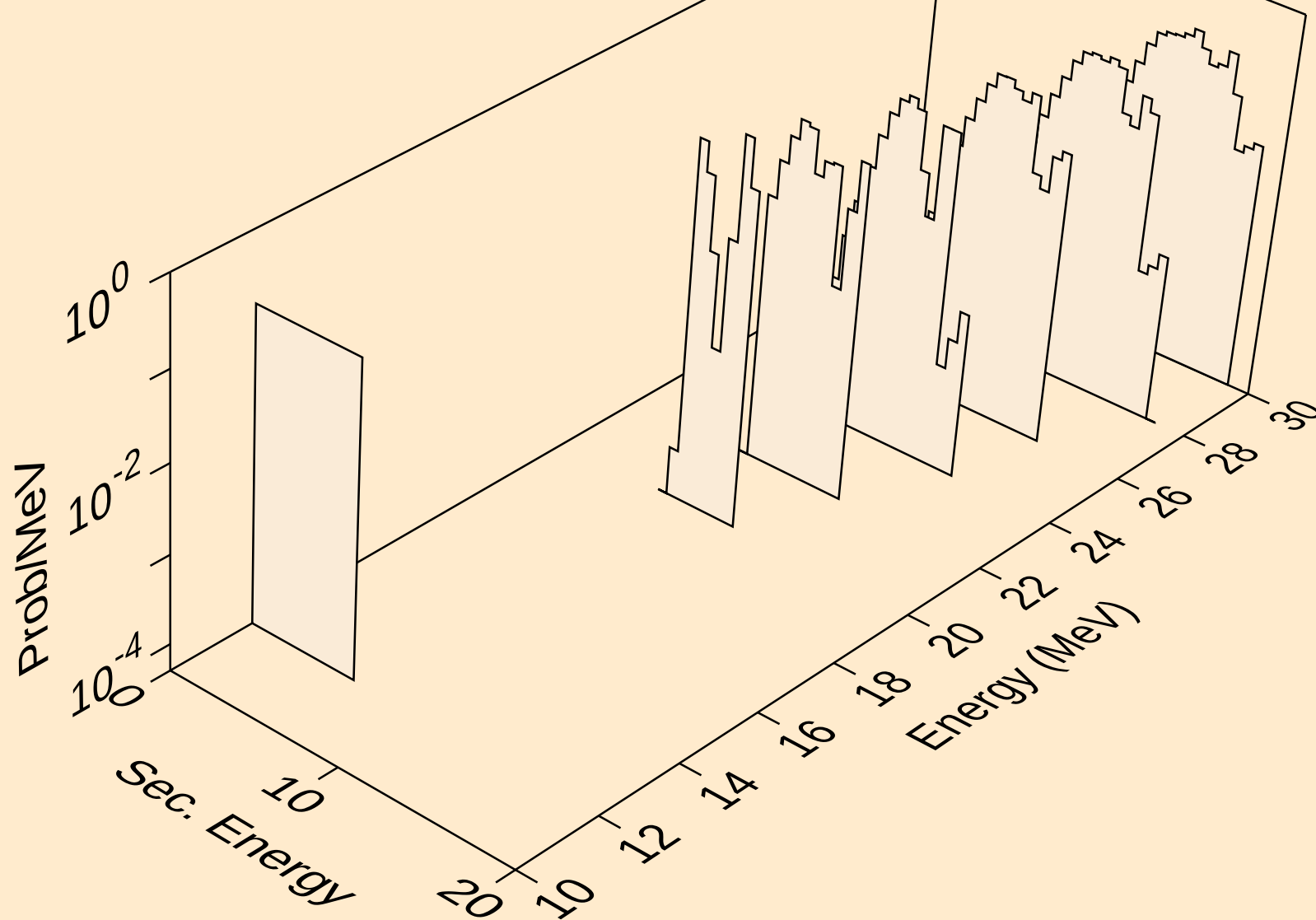


BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a

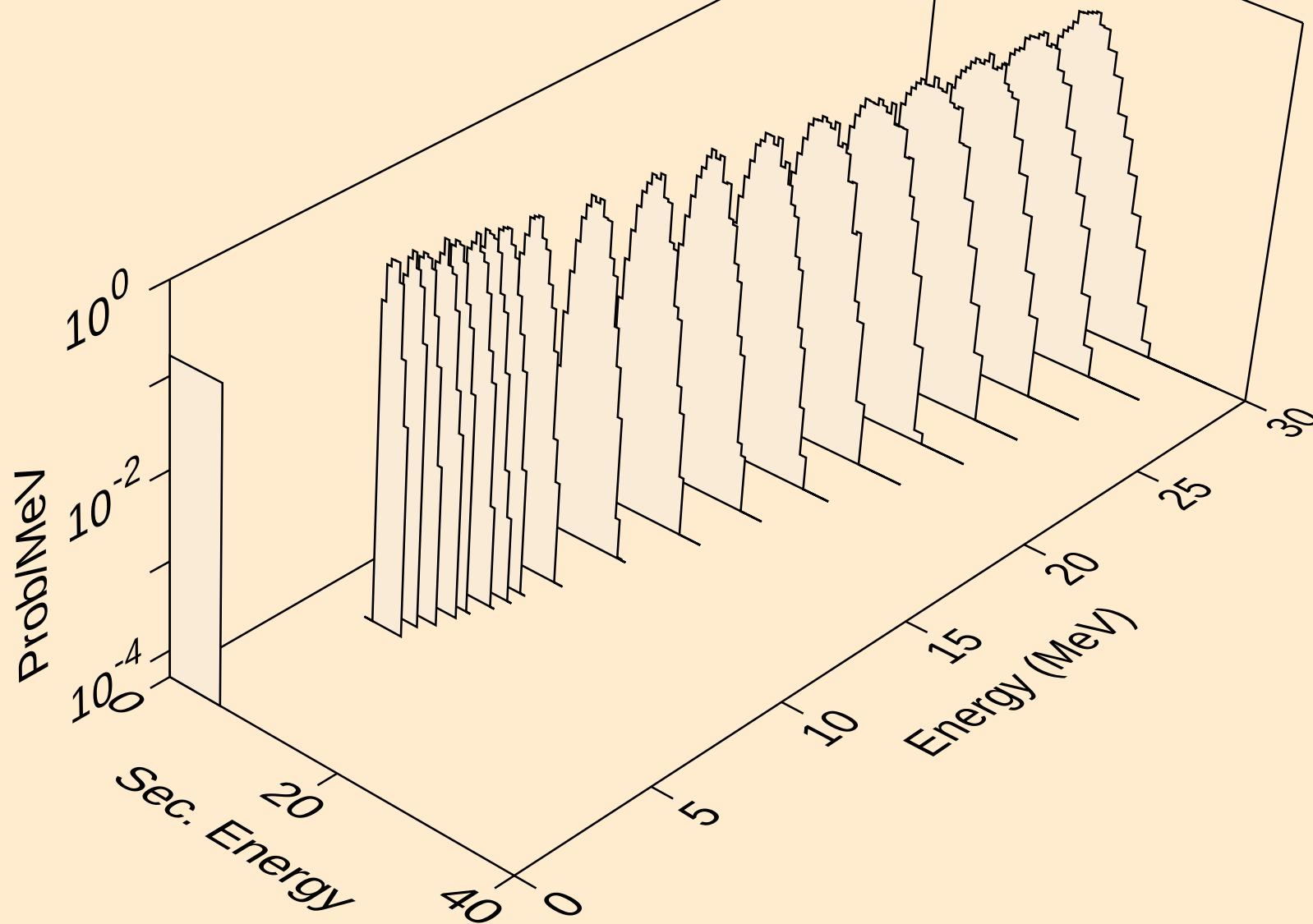




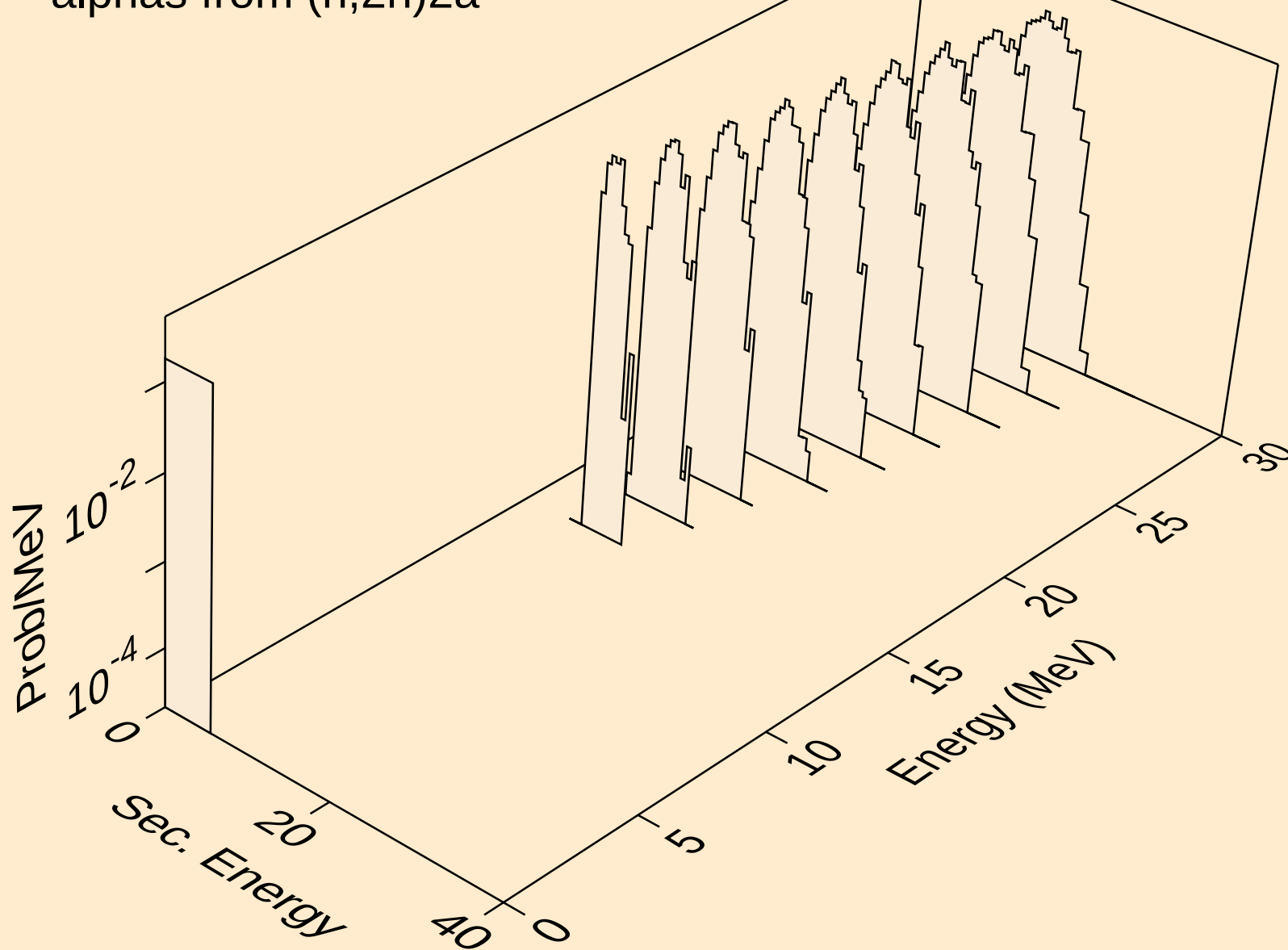
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



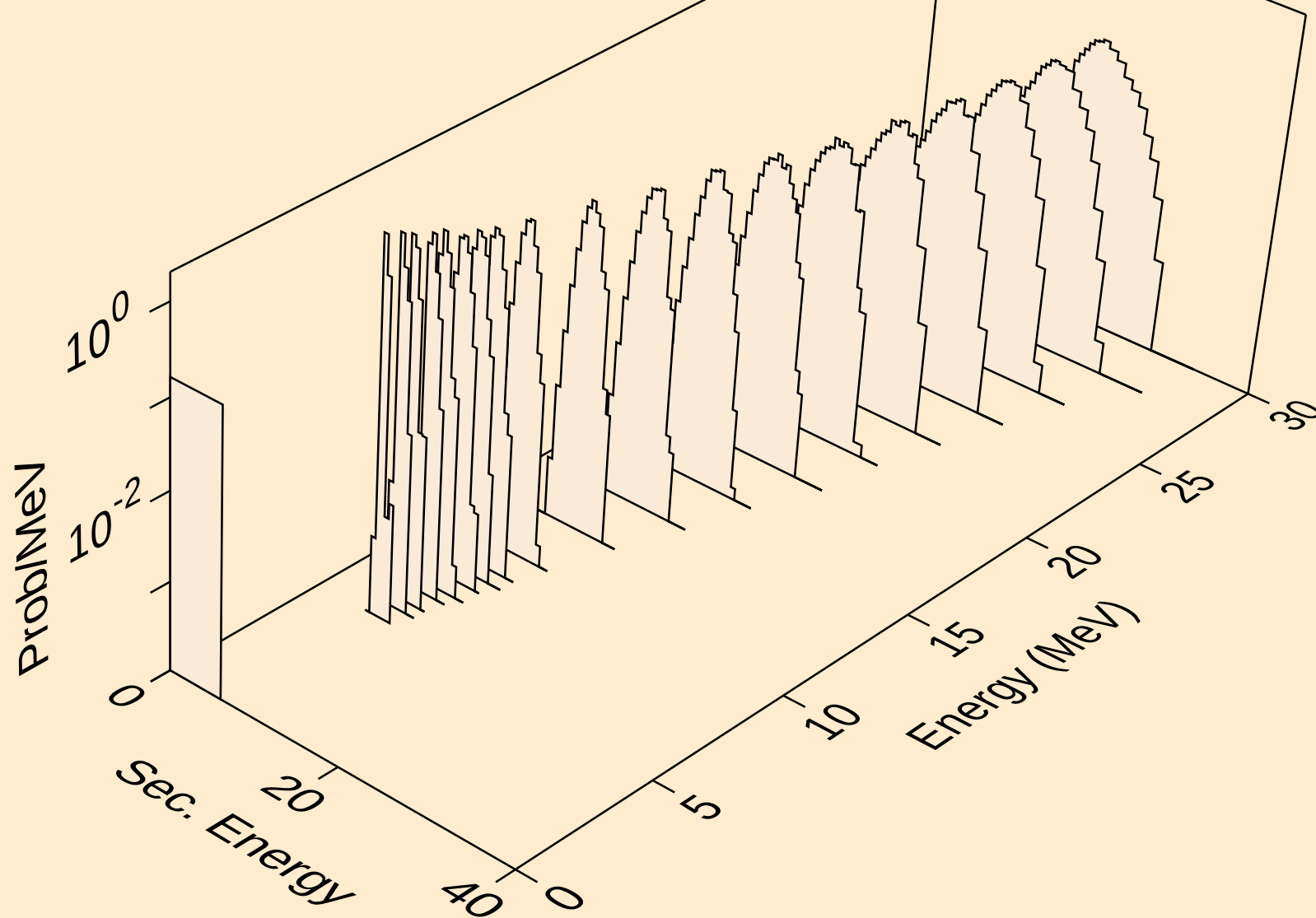
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



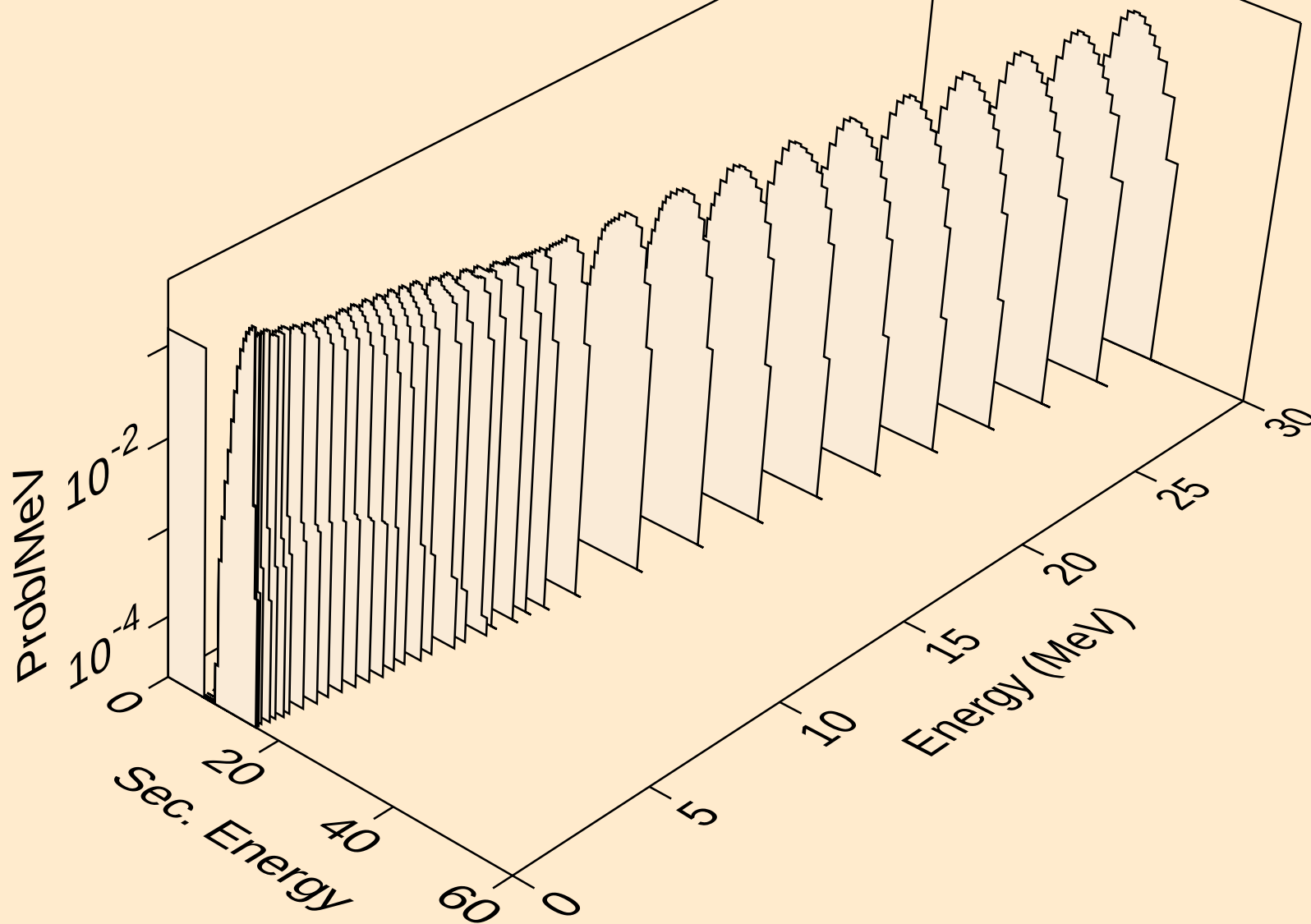
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



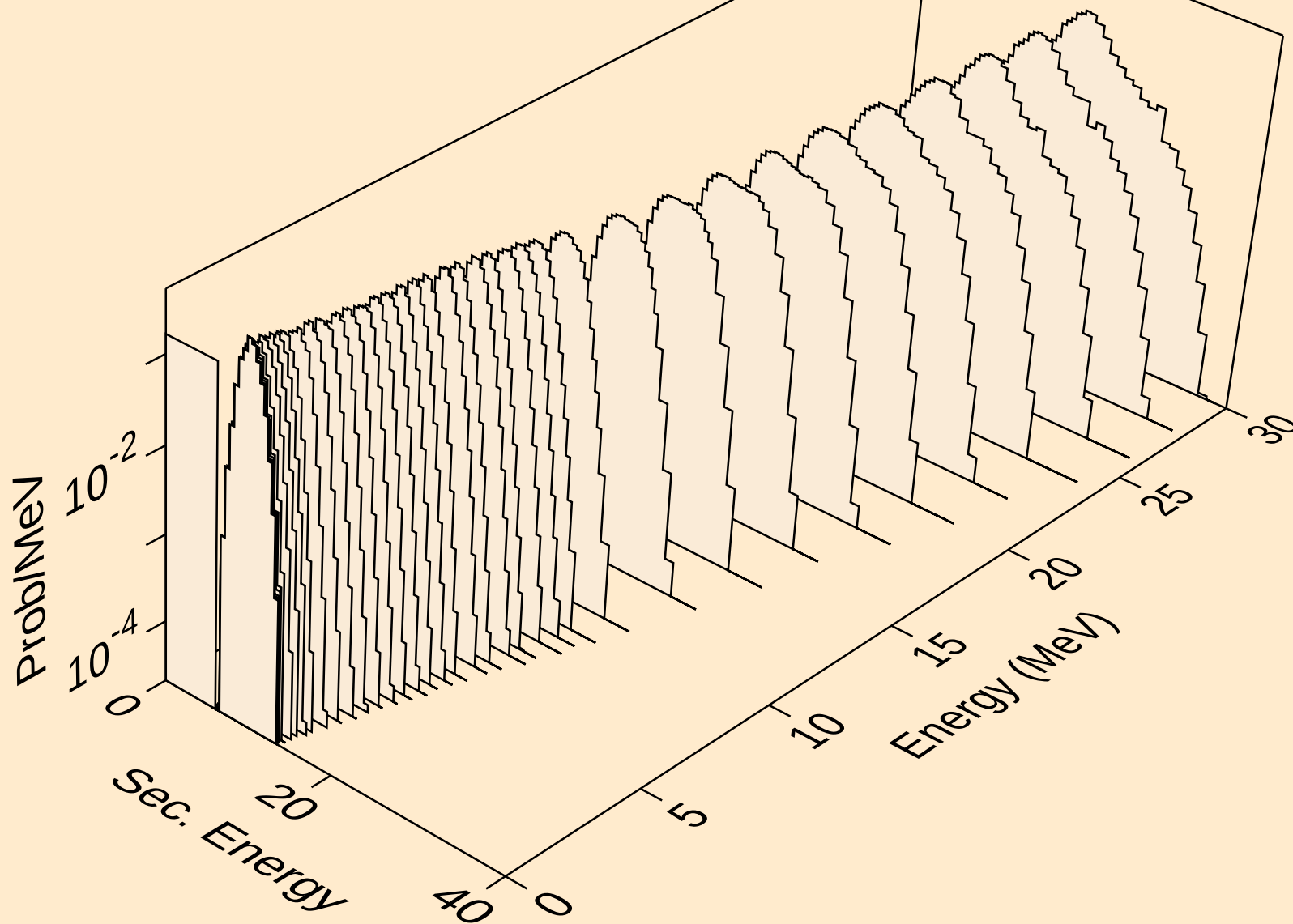
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



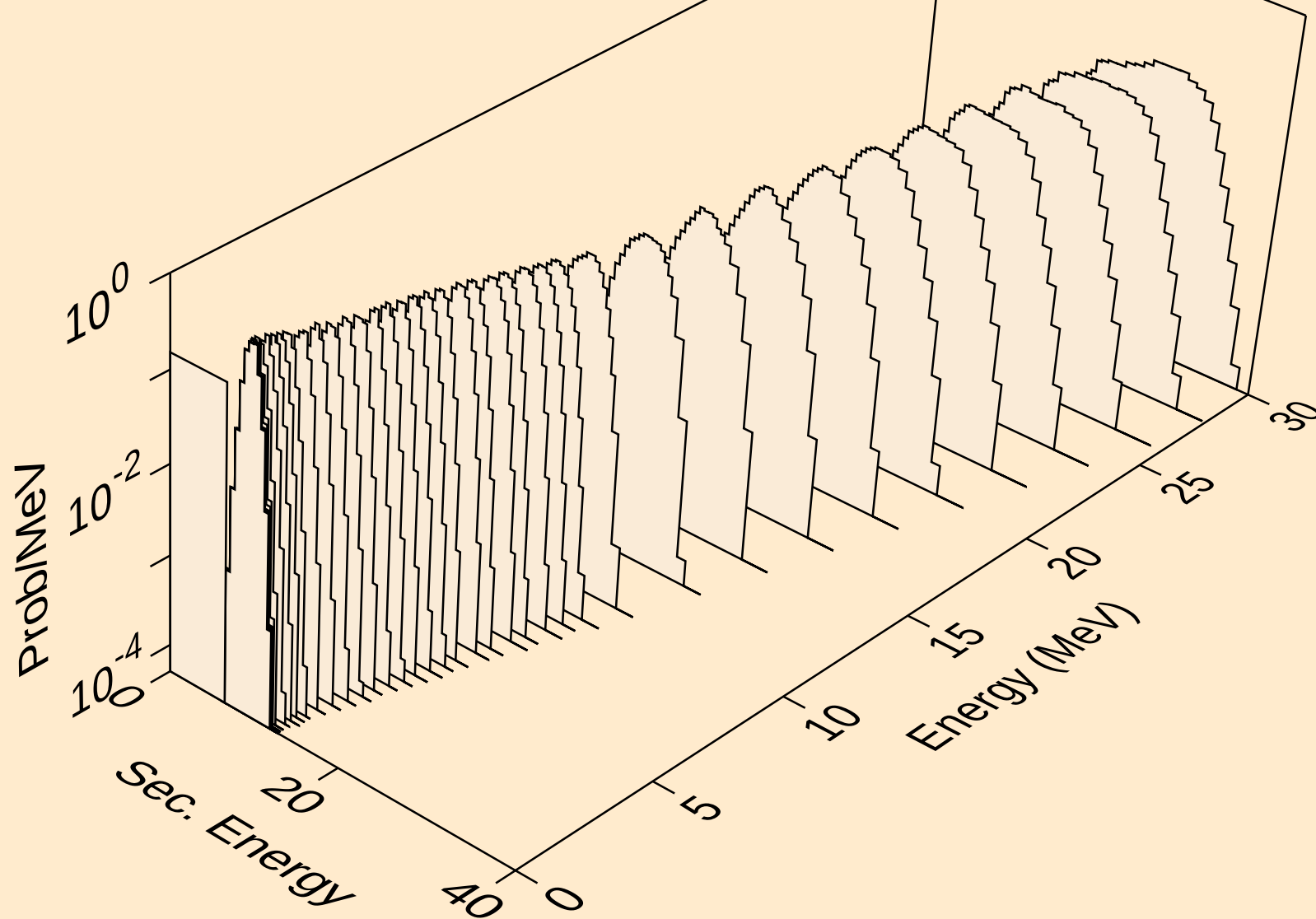
BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



BI194N NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

