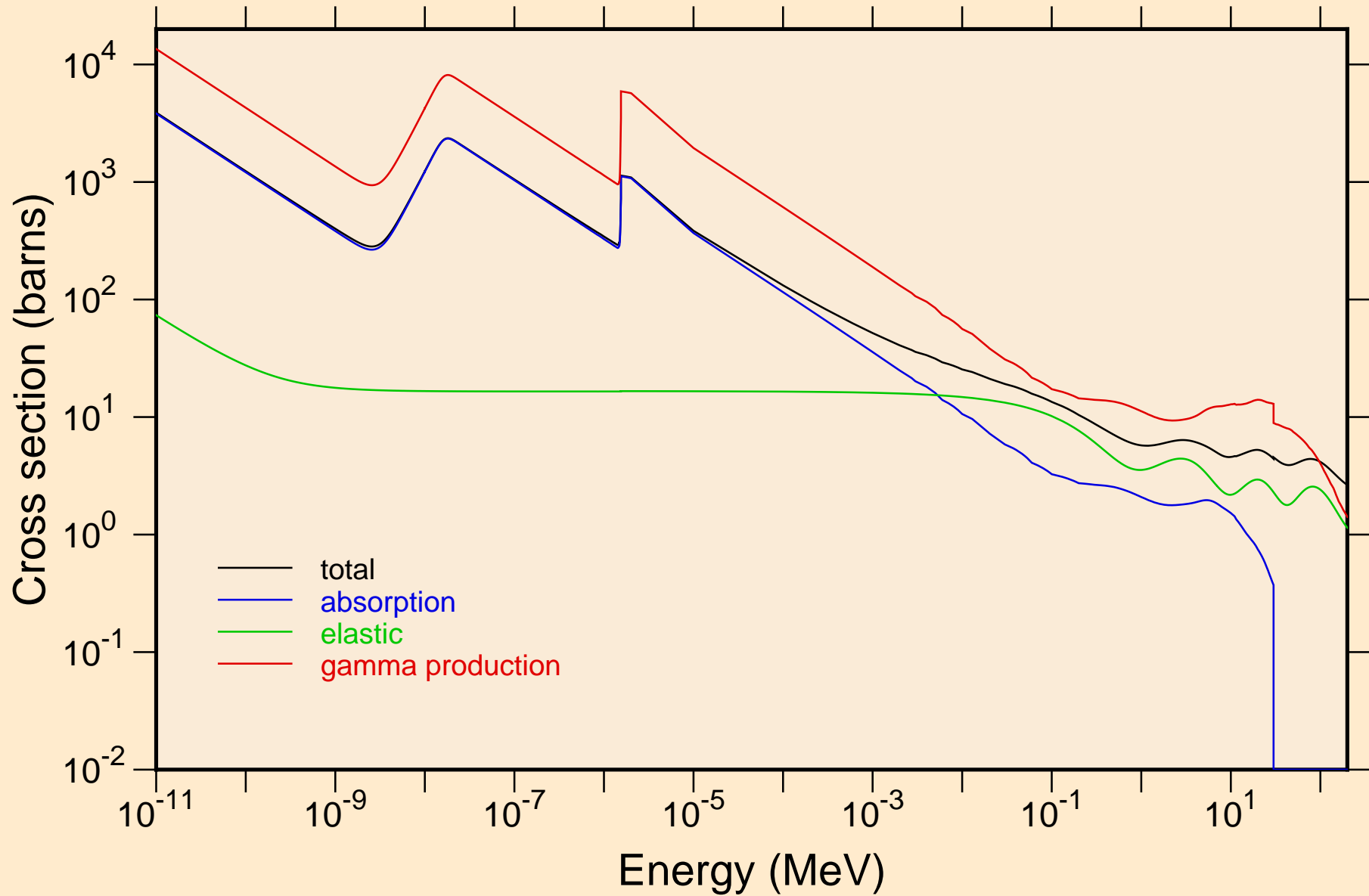
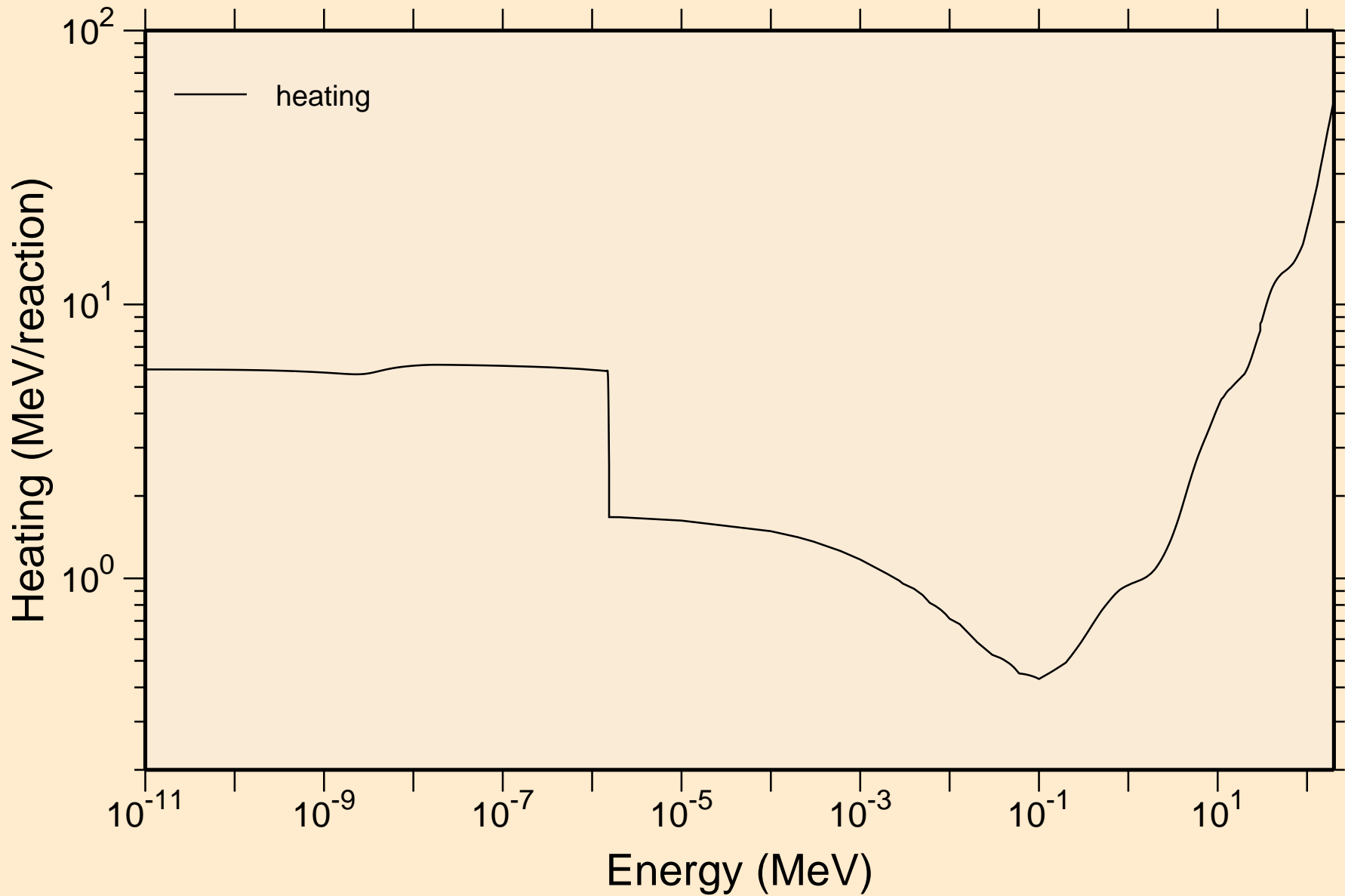


# IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

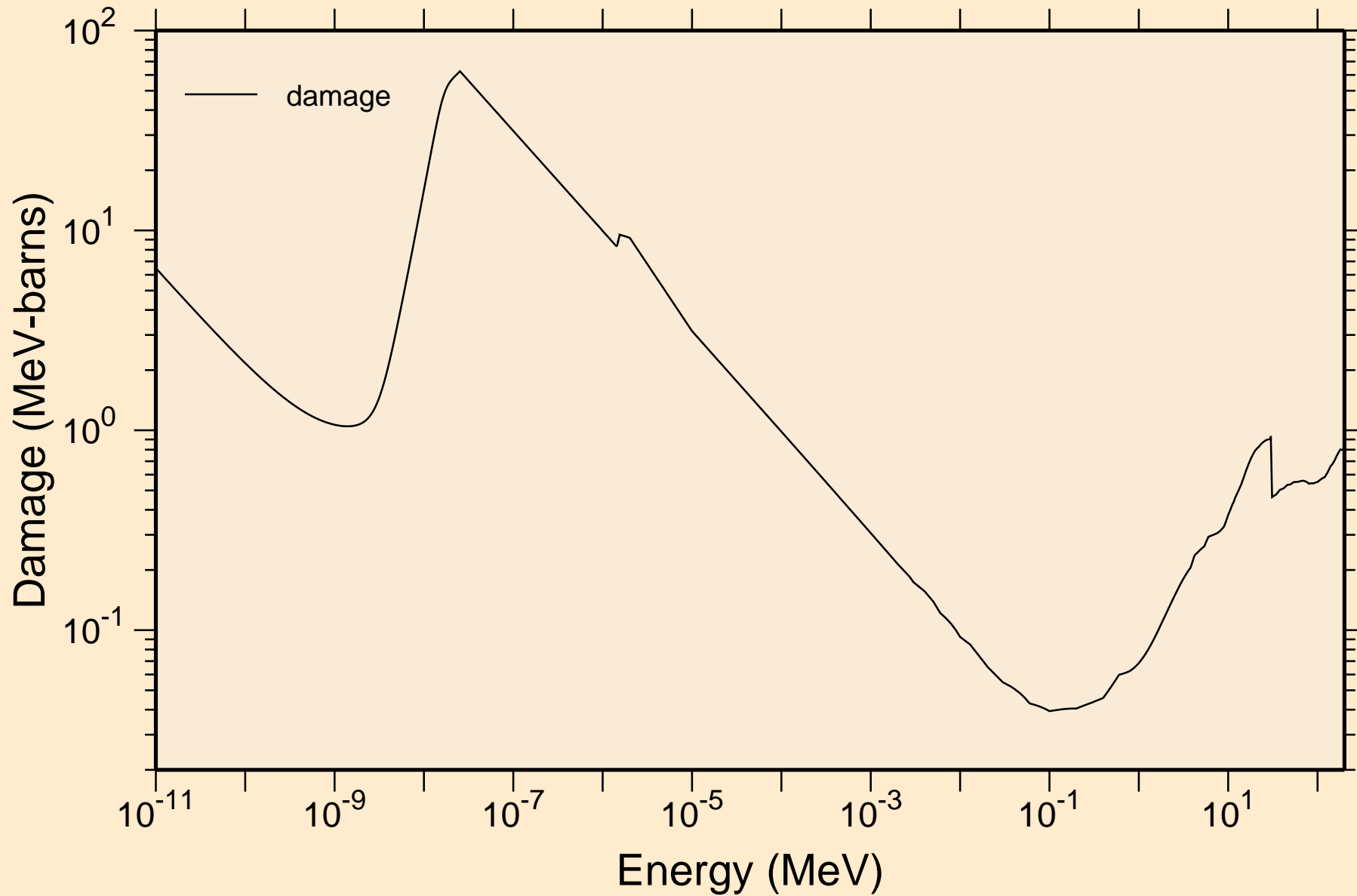
## Principal cross sections



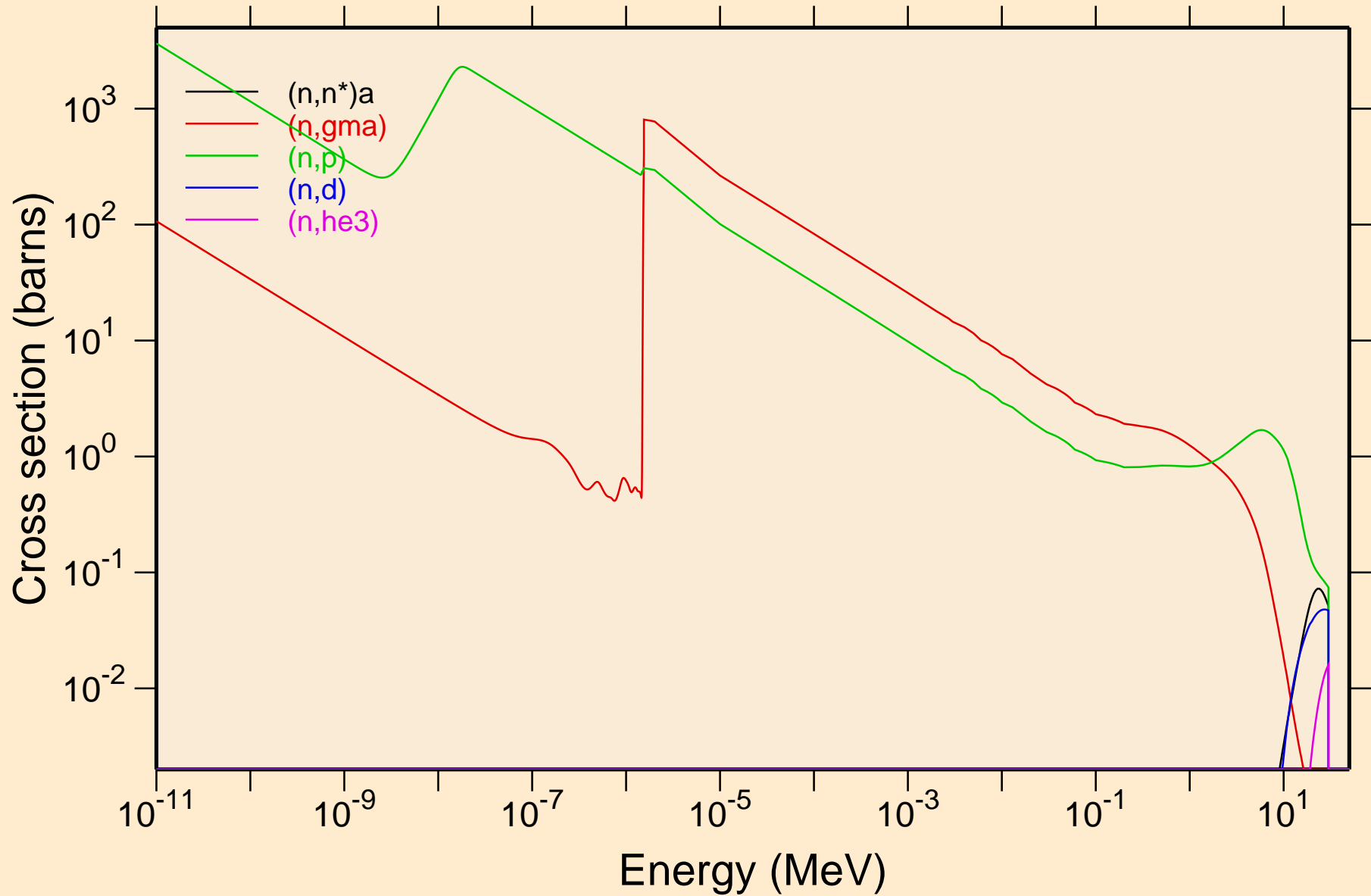
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



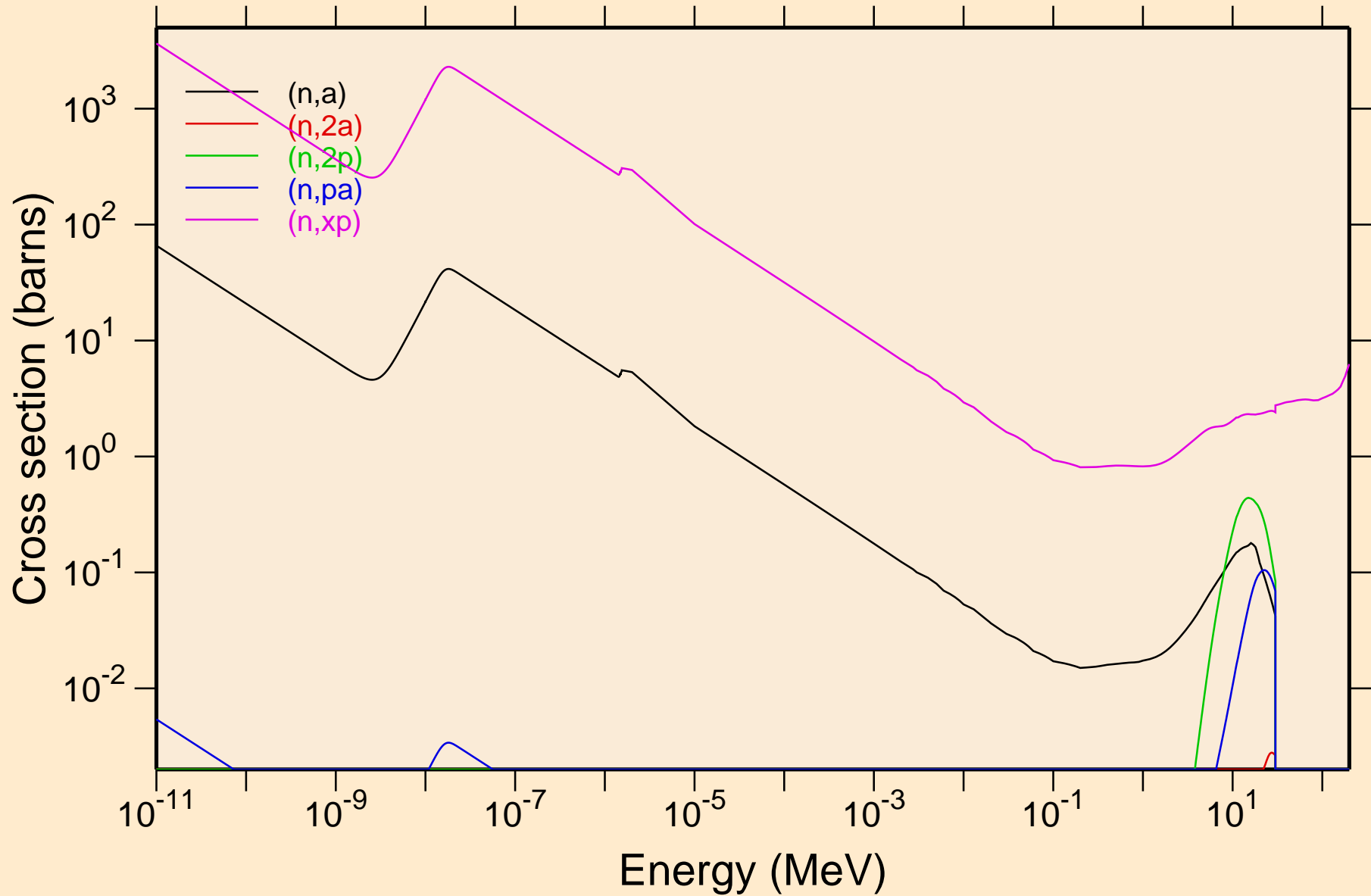
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Damage



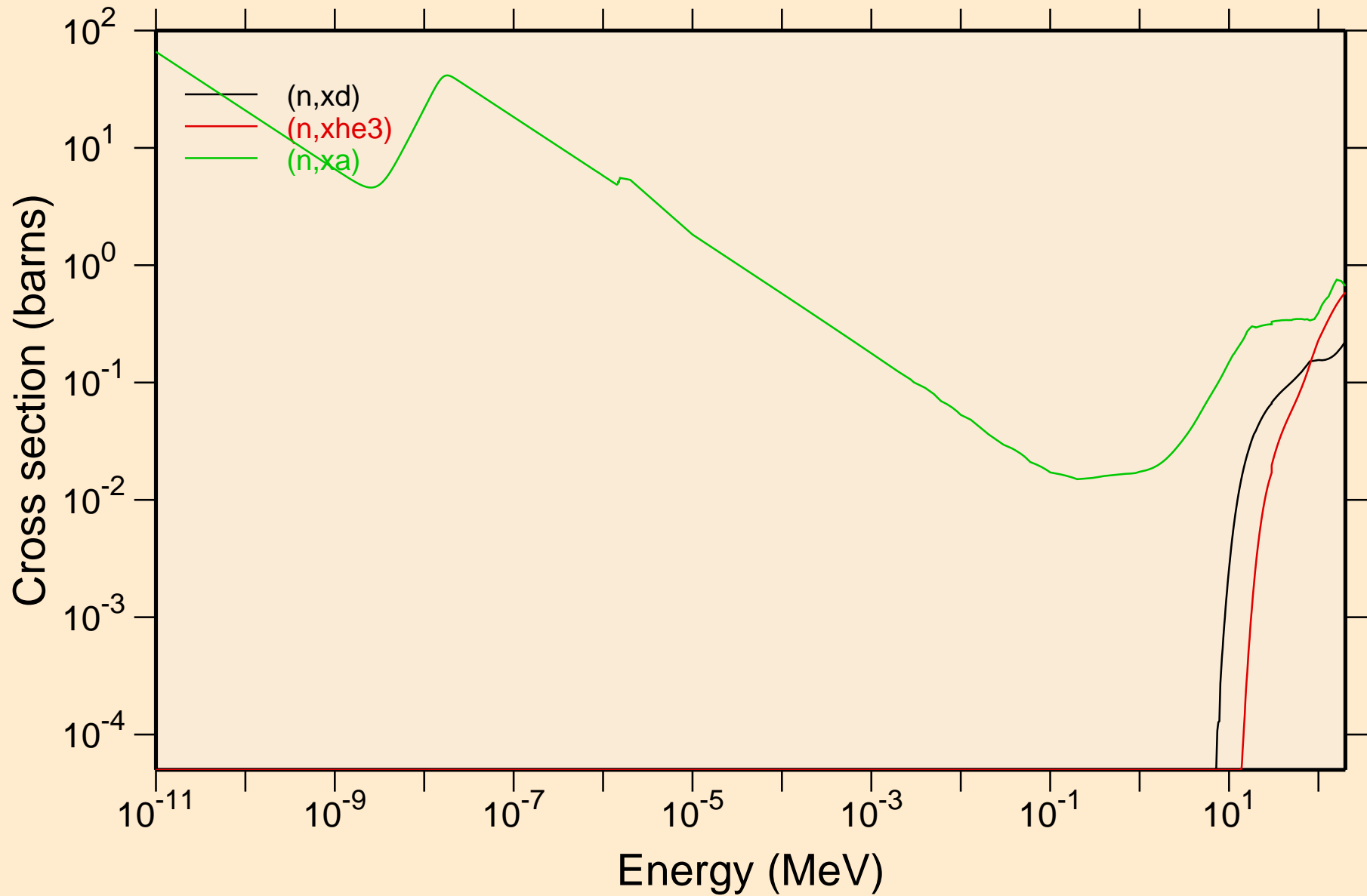
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

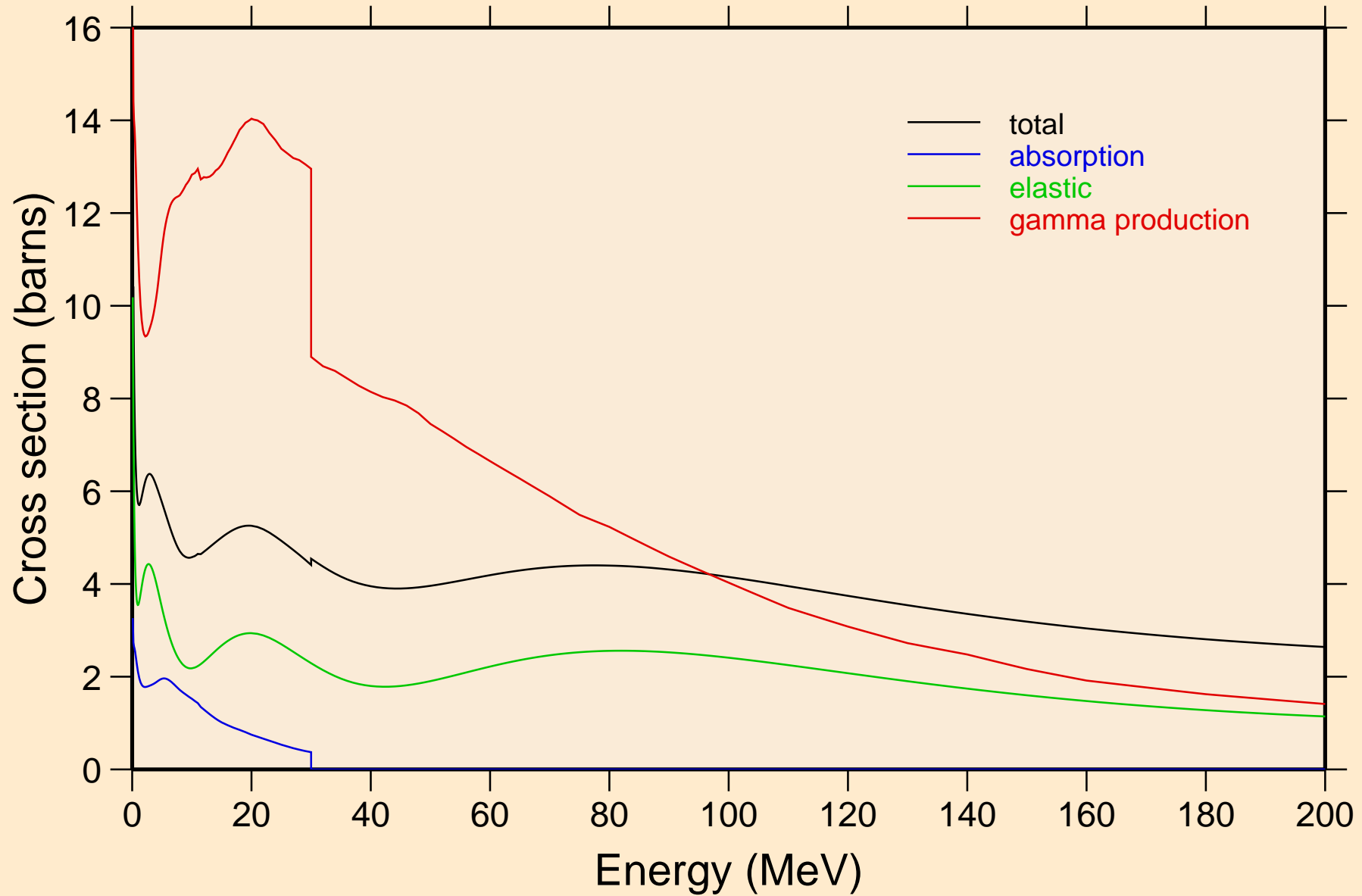


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

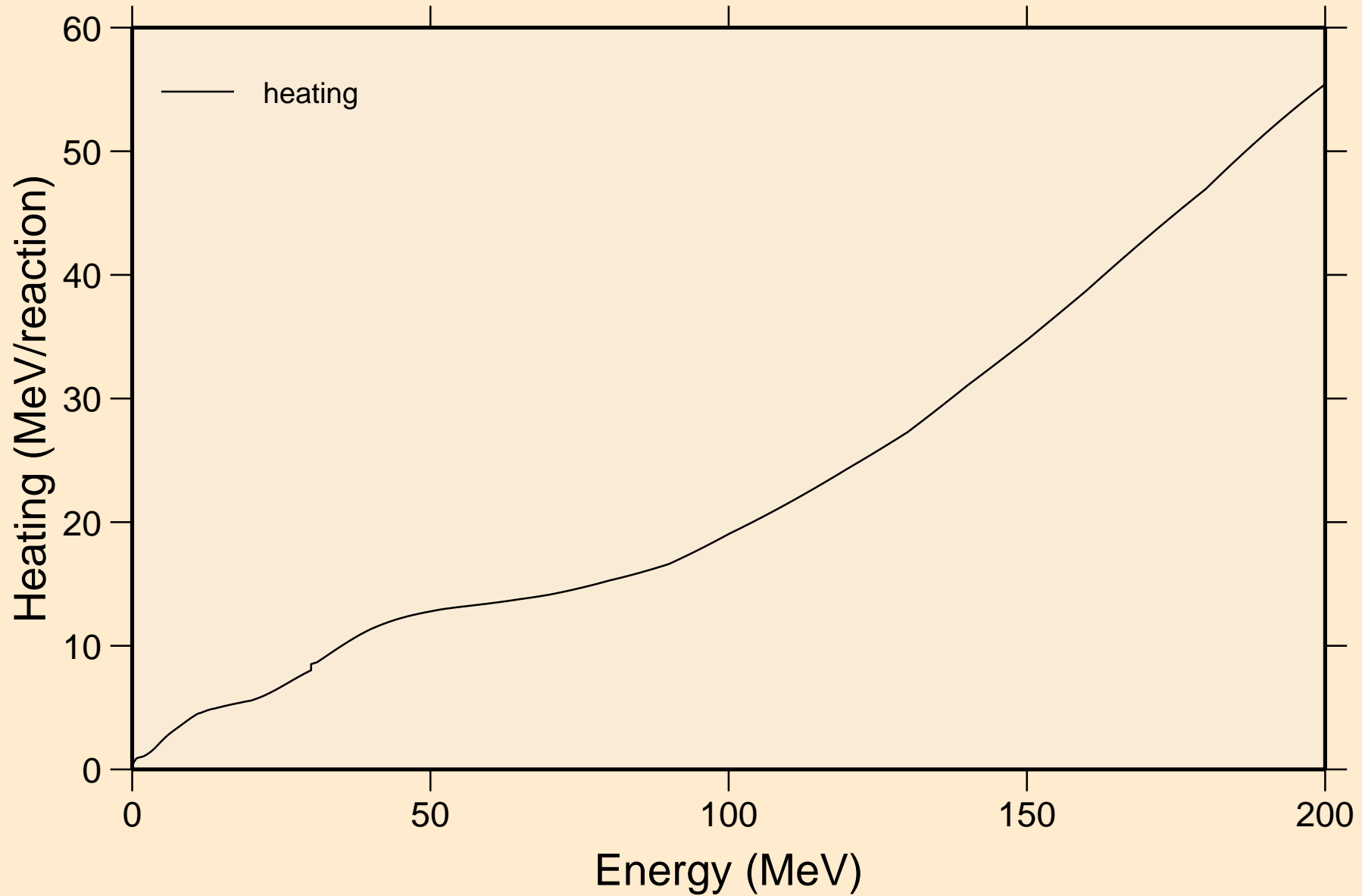


# IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

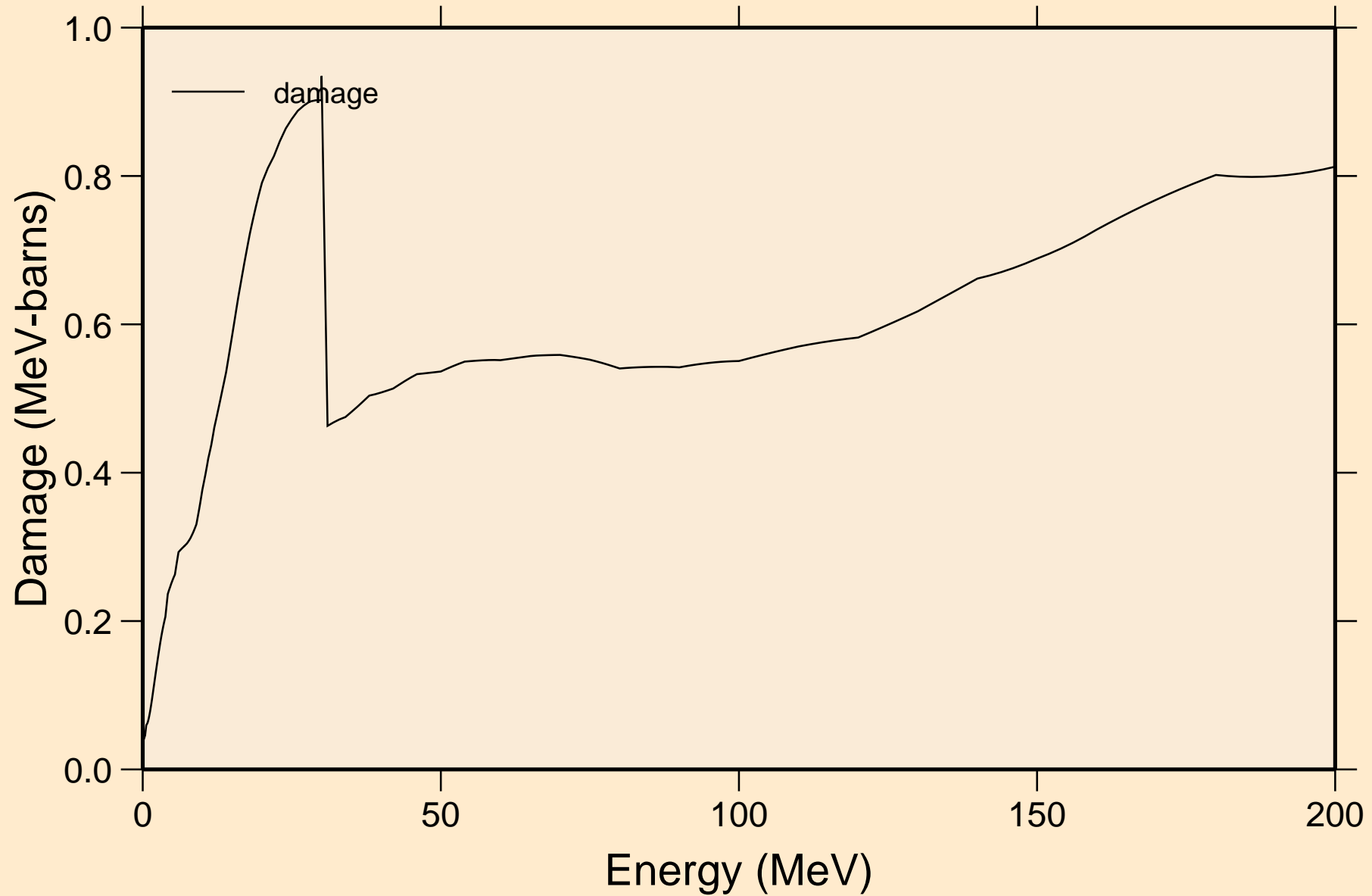


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Heating

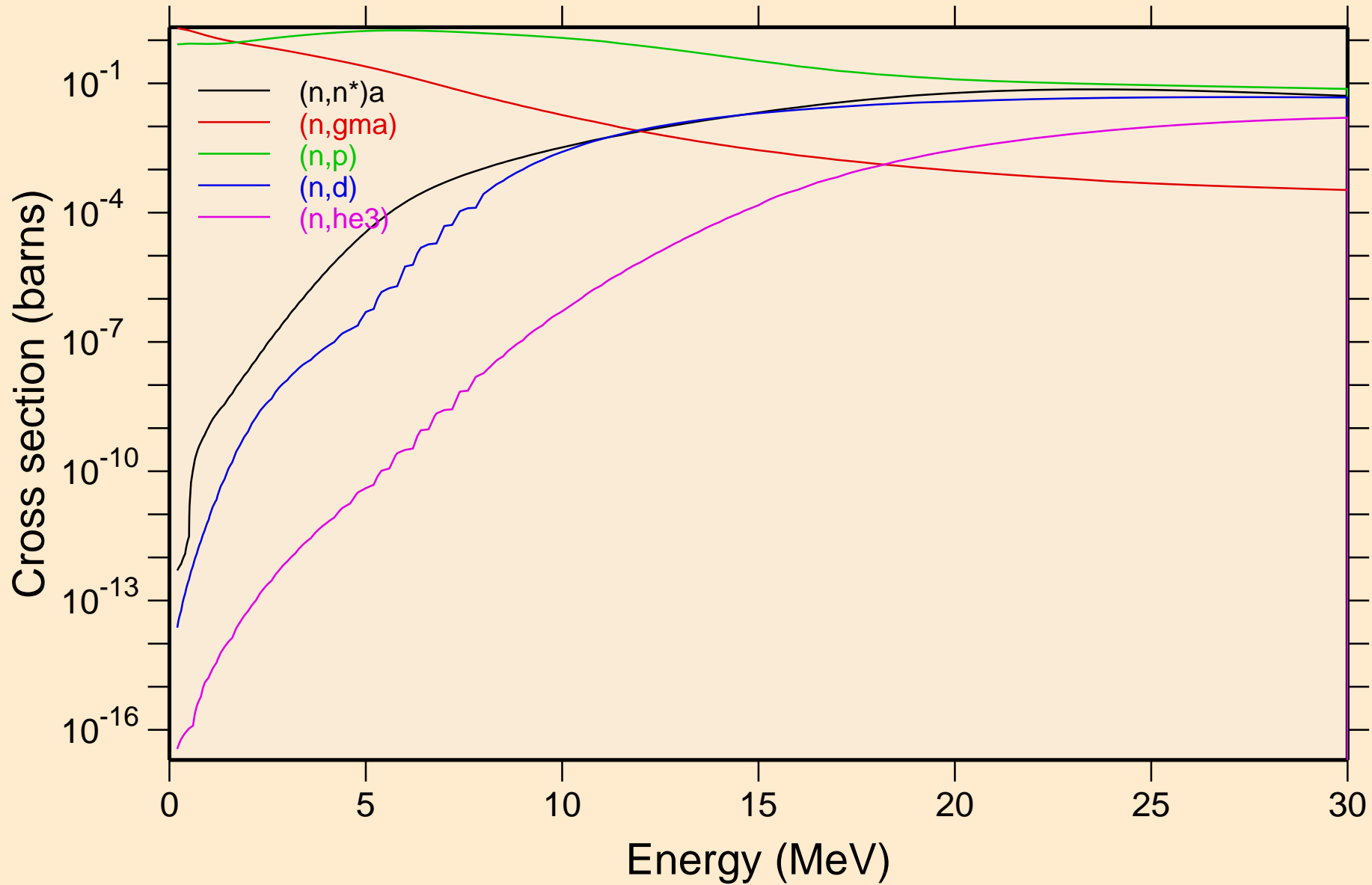




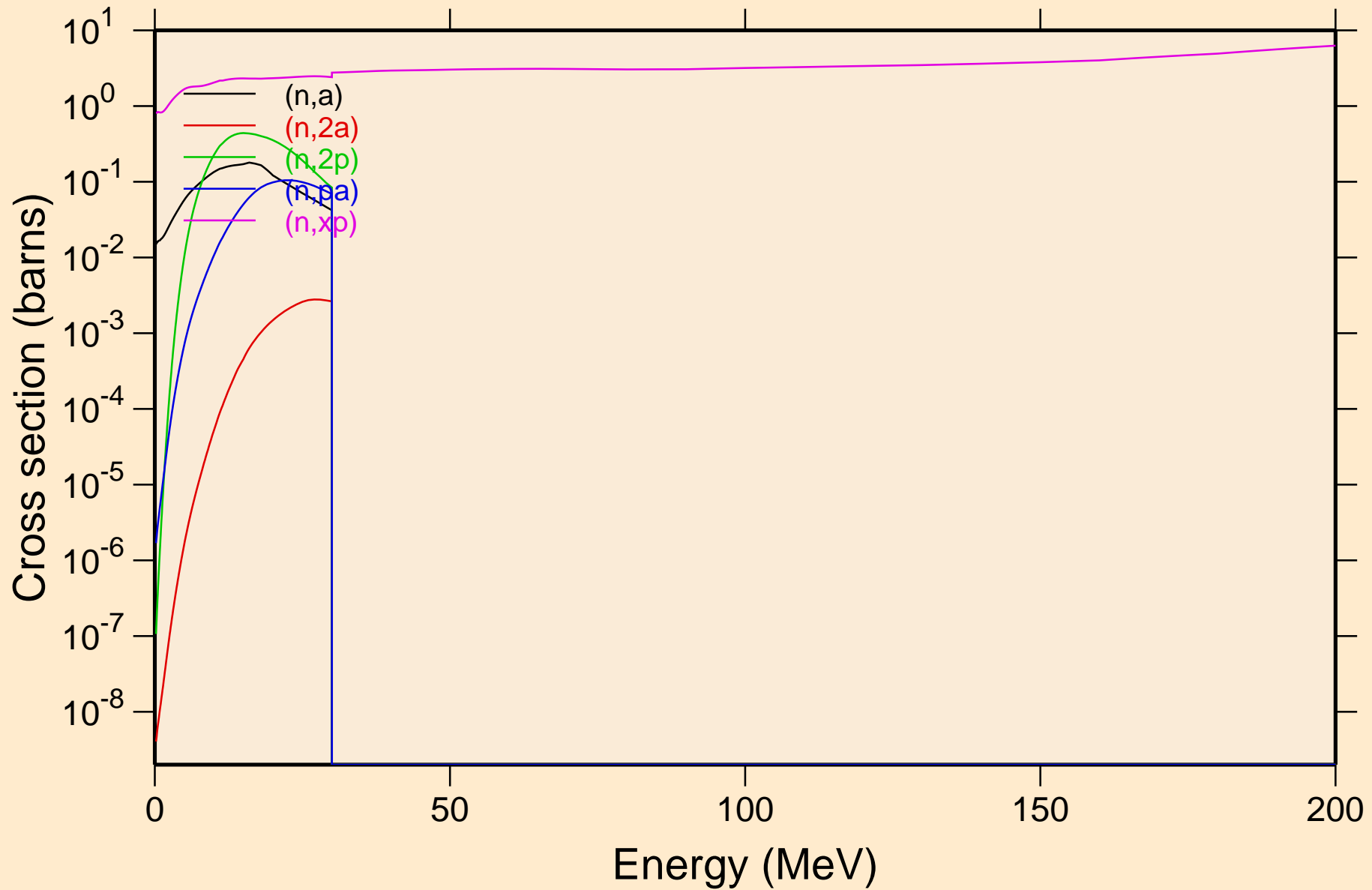
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Damage



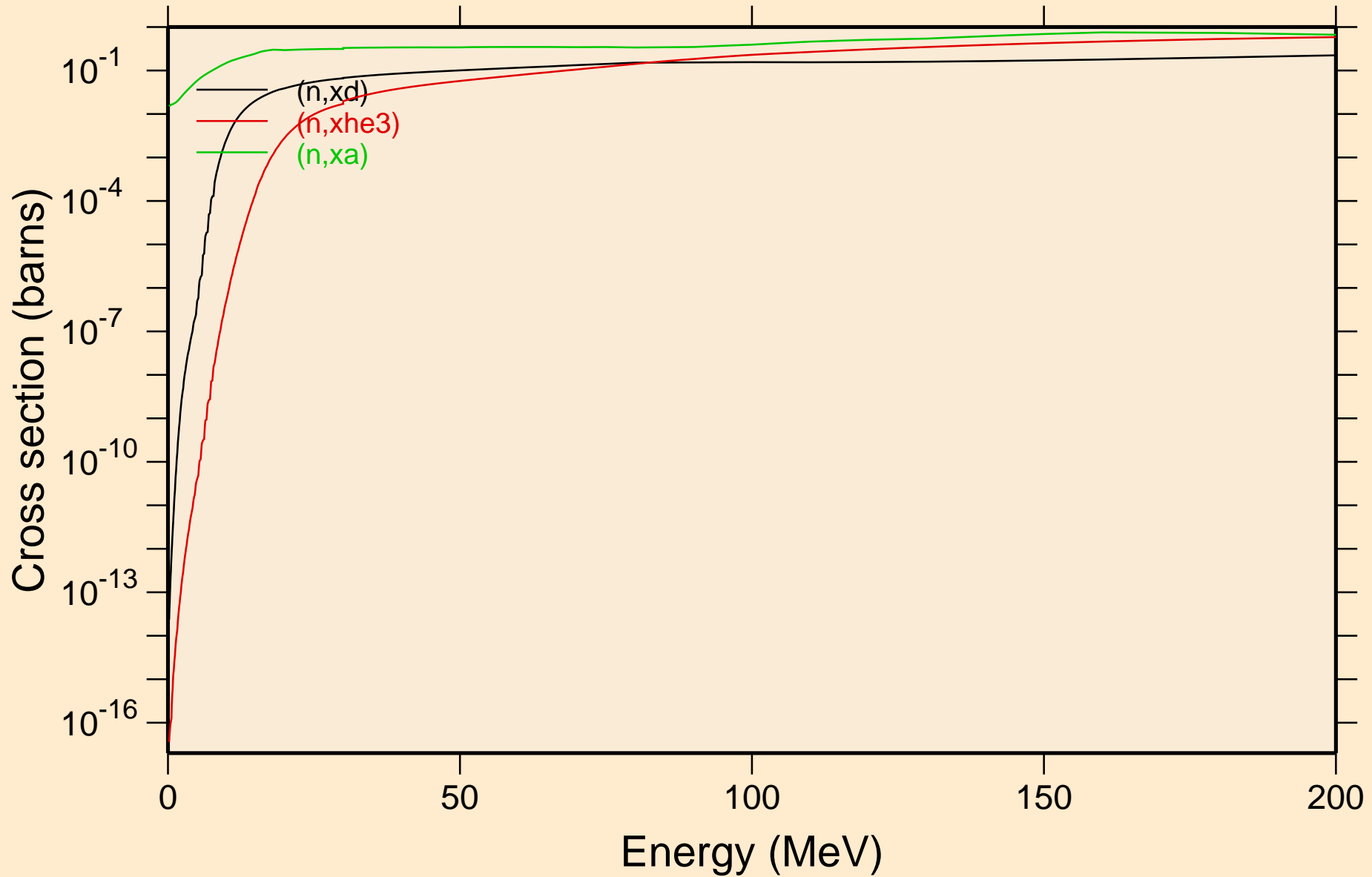
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Non-threshold reactions



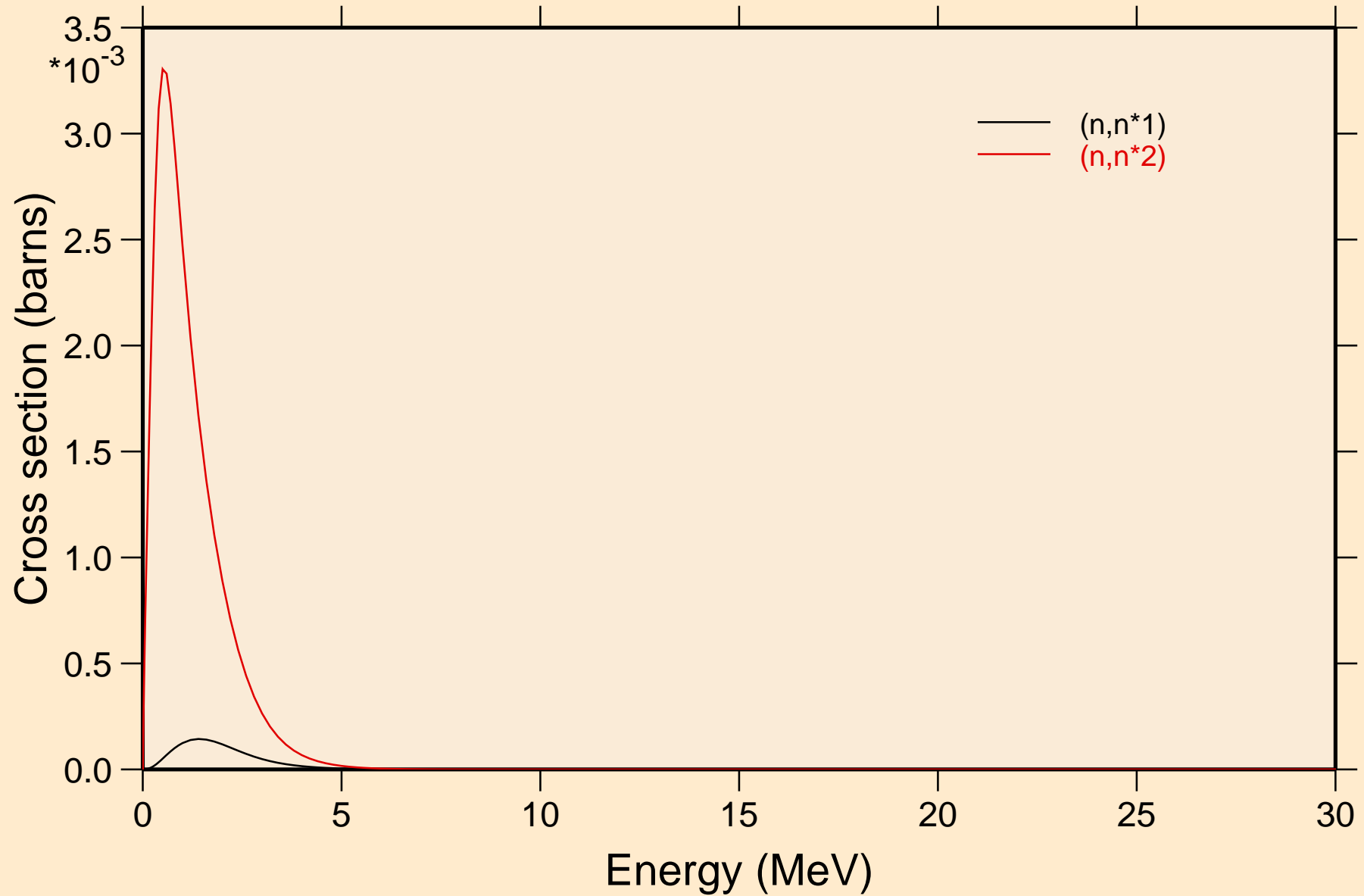
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Non-threshold reactions



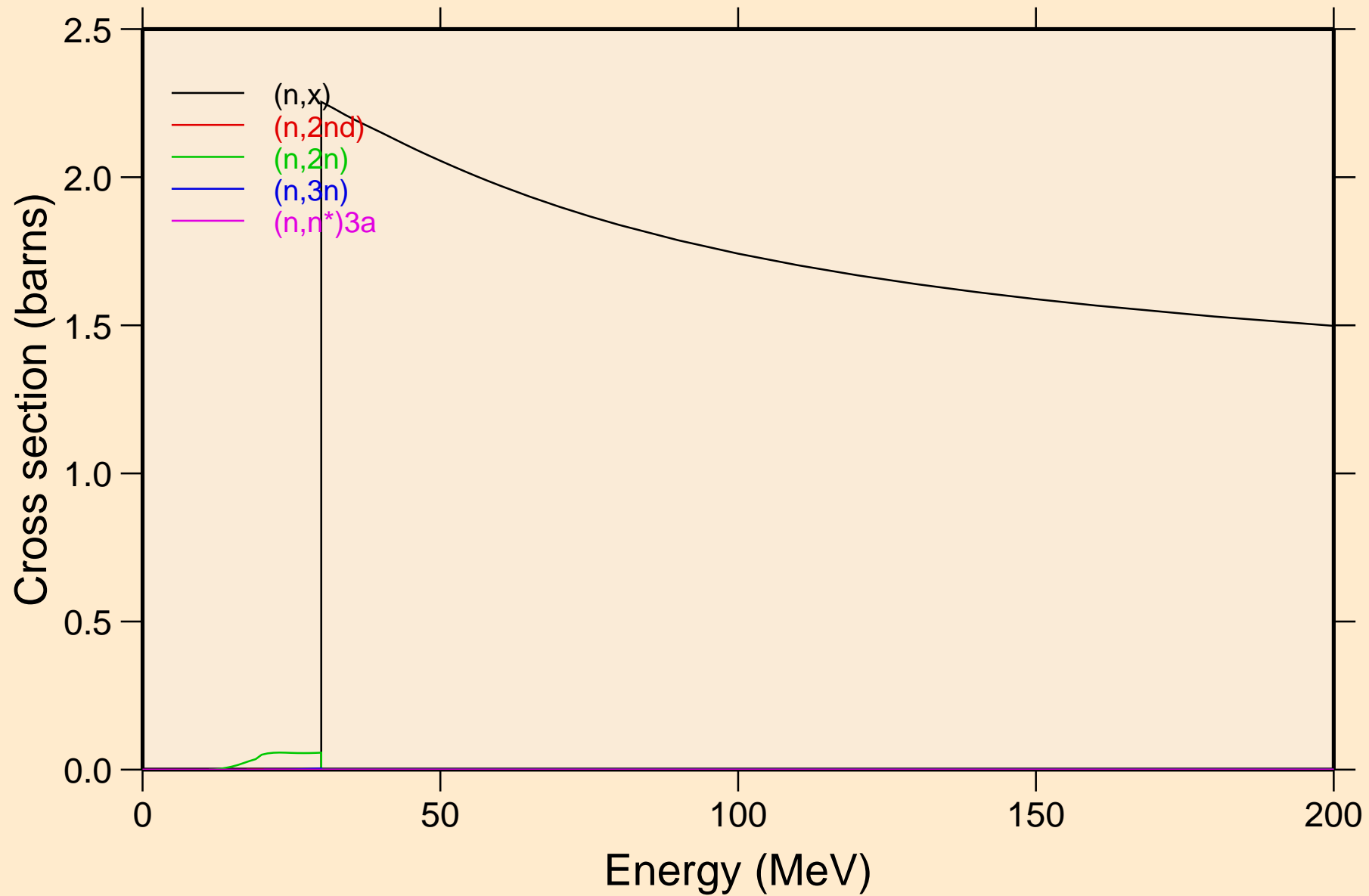
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Non-threshold reactions



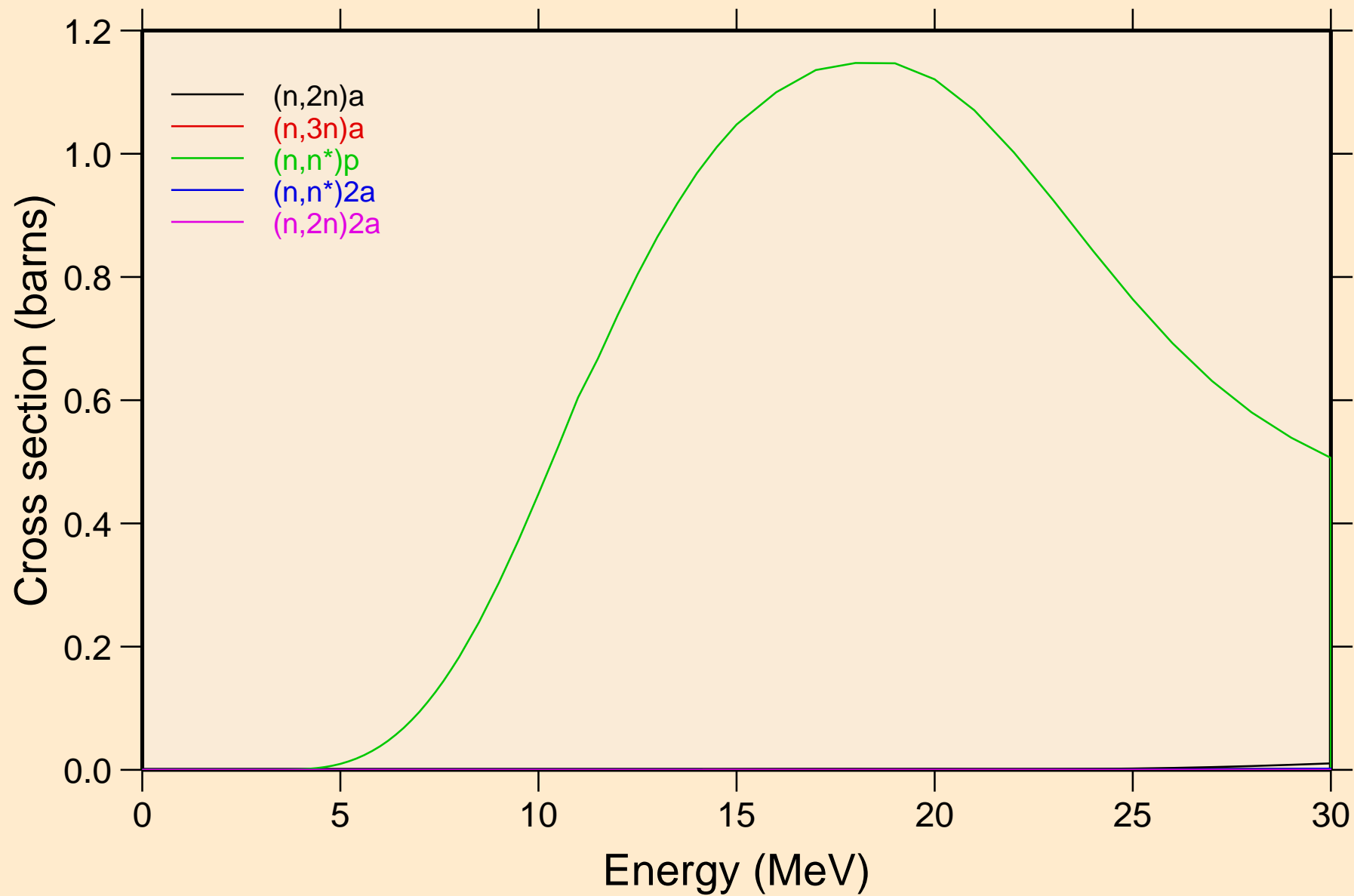
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

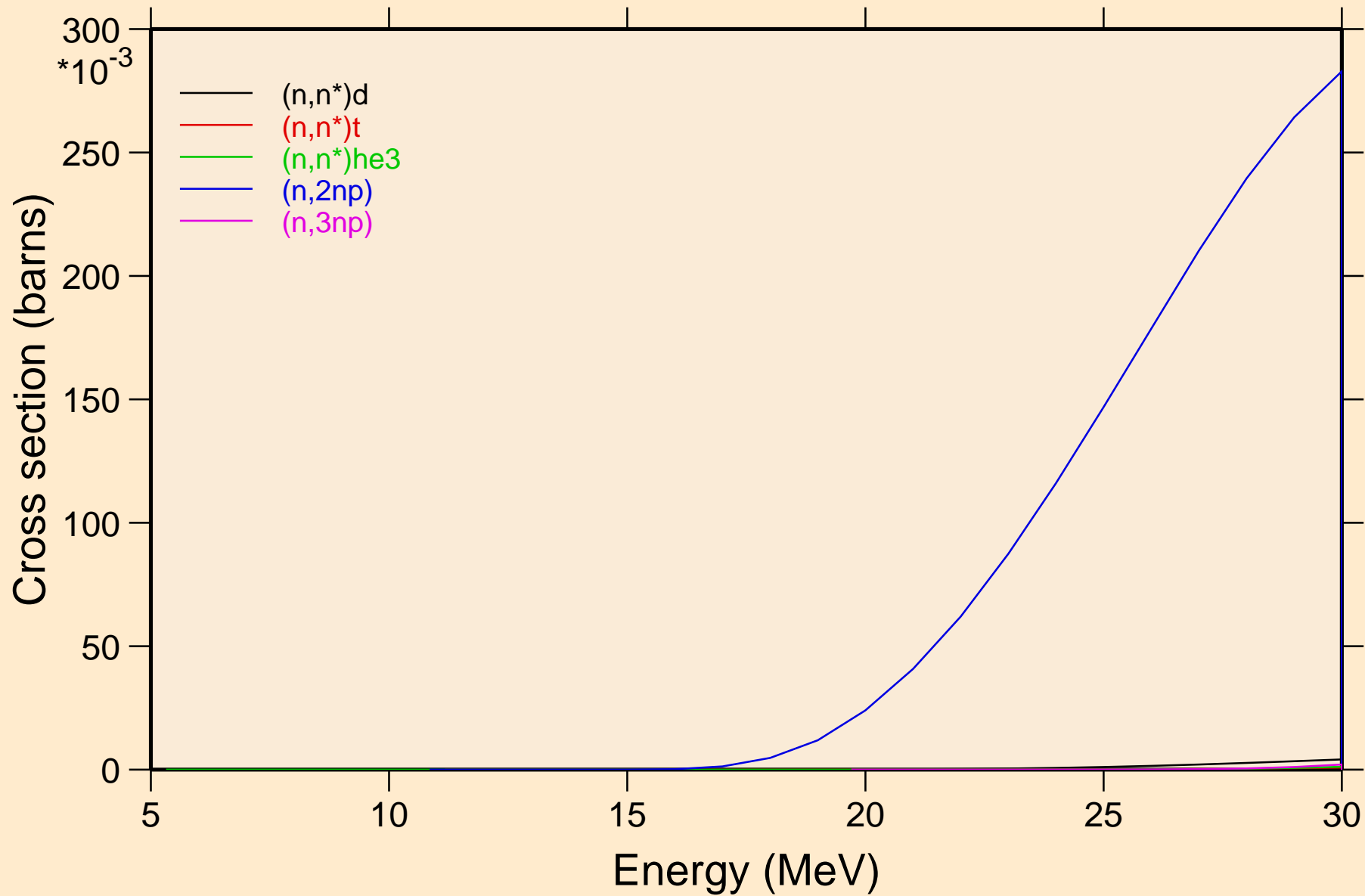


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Threshold reactions



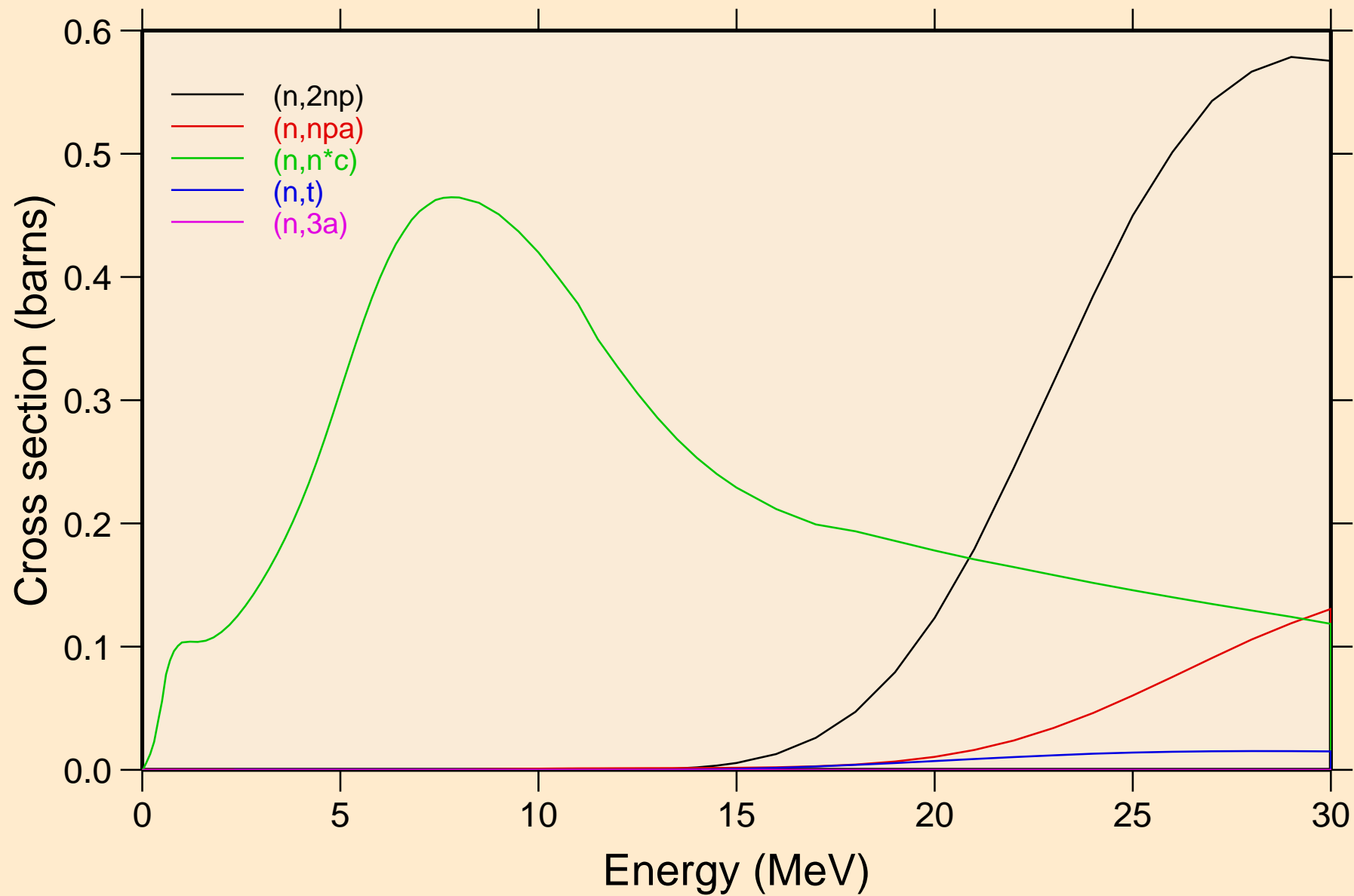
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## Threshold reactions

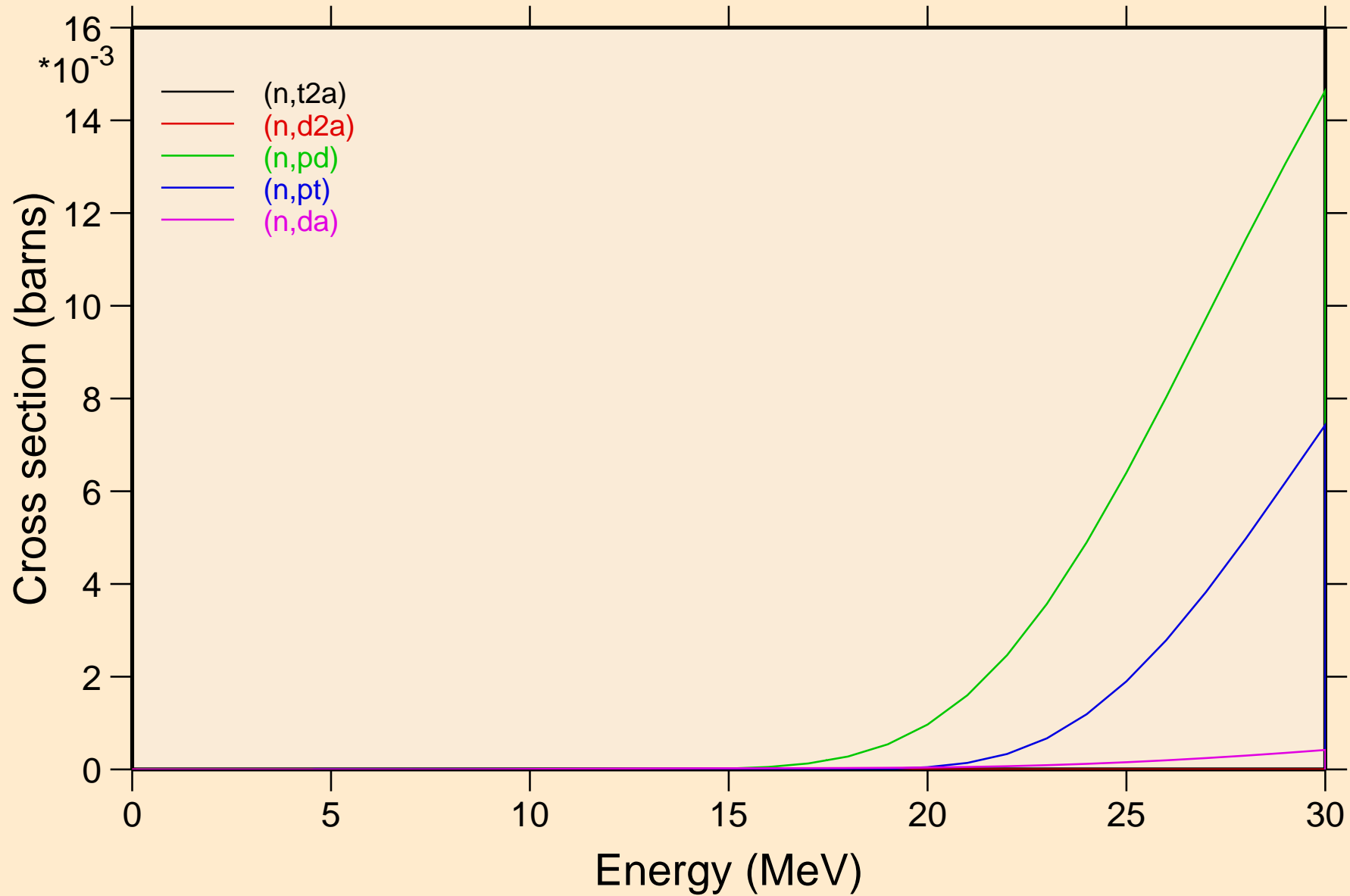




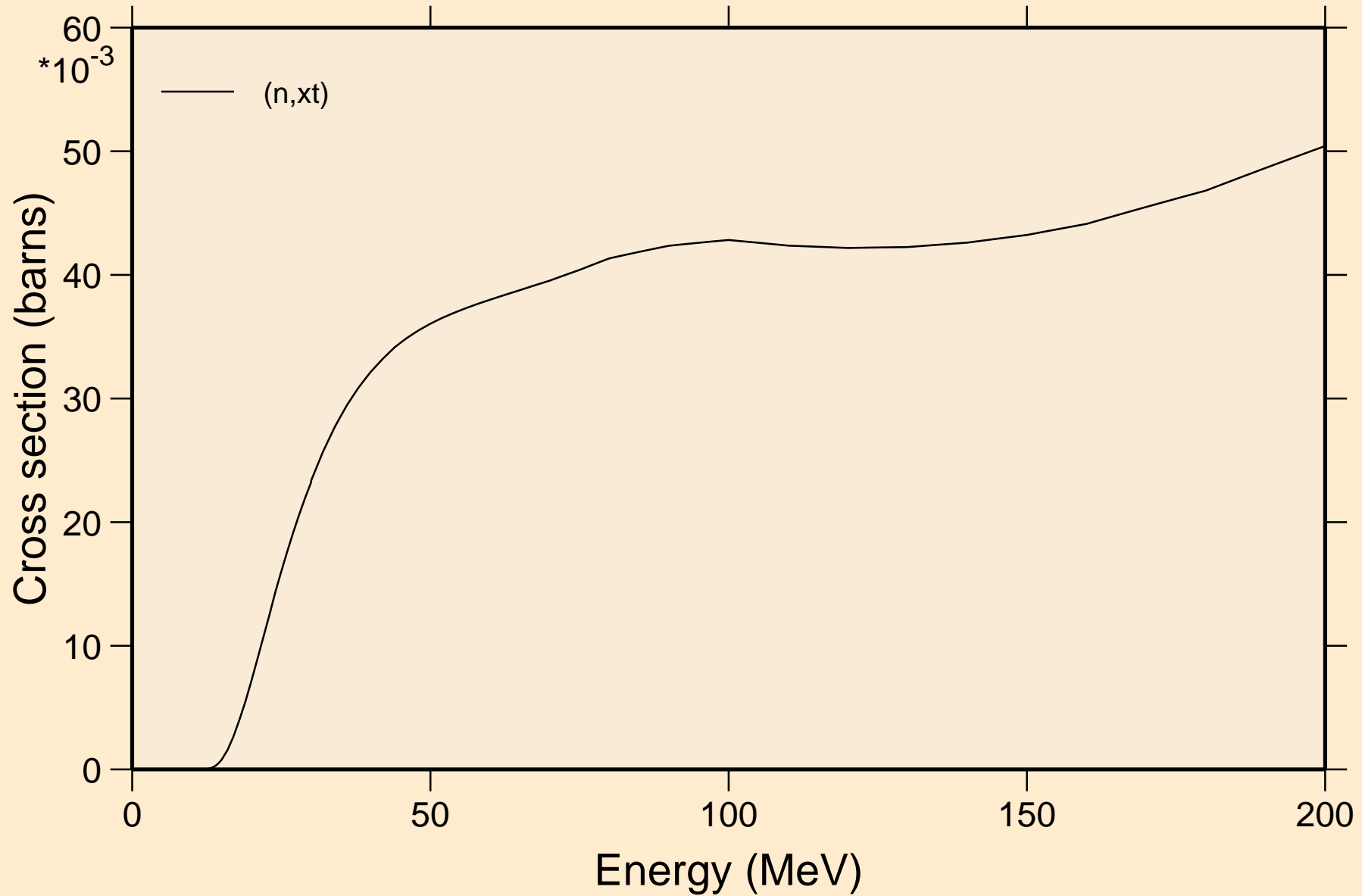
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



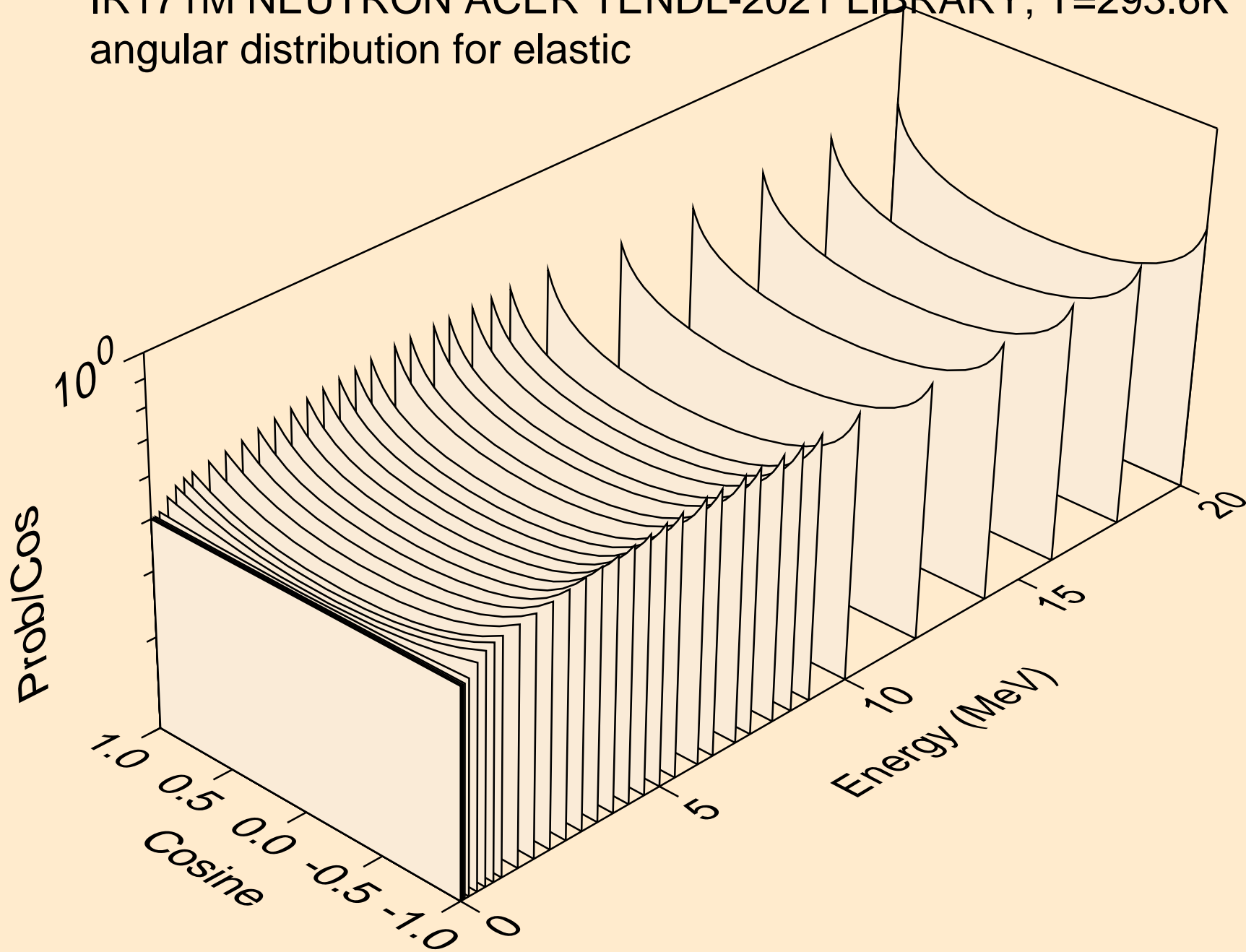
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



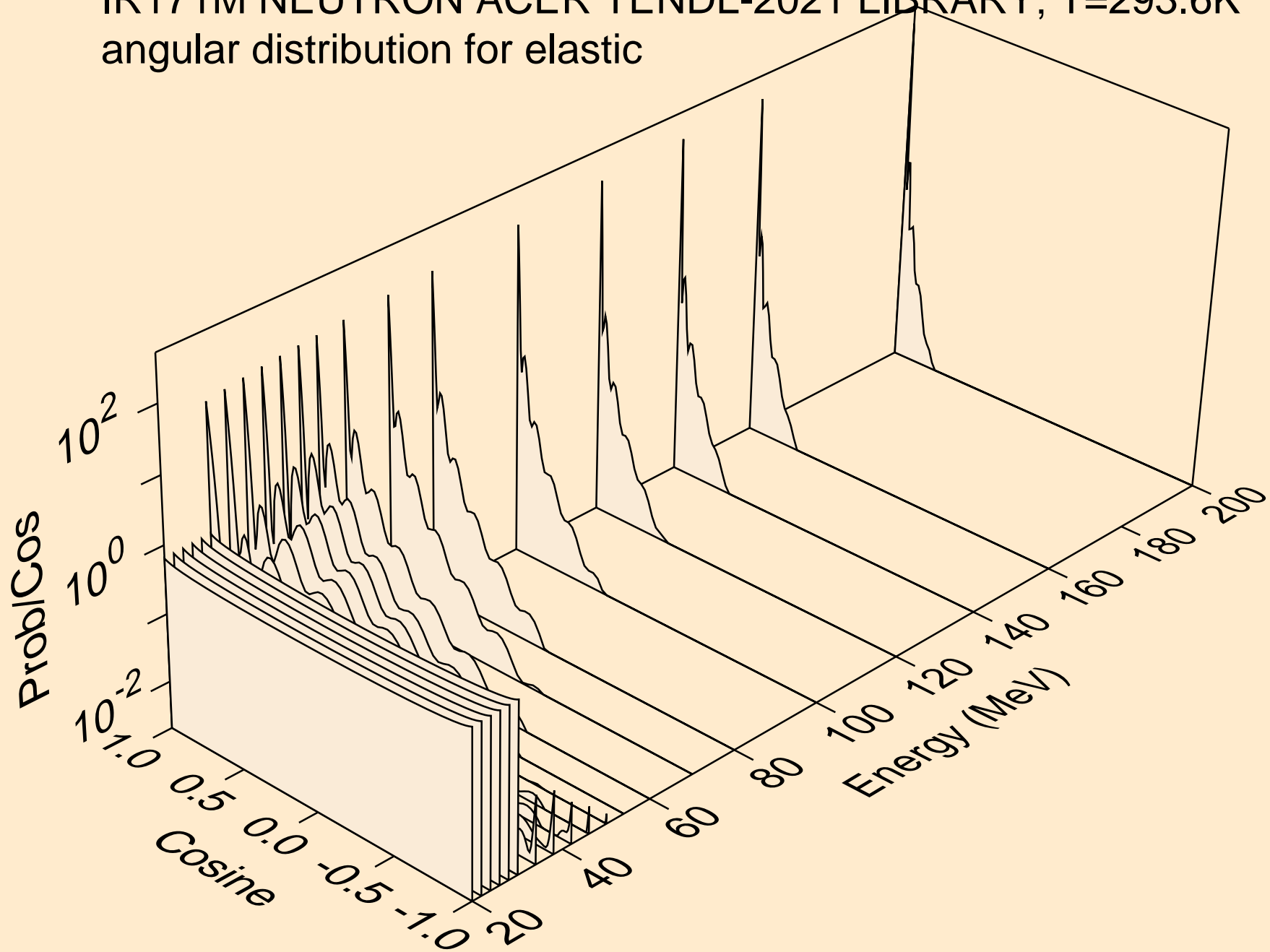
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Threshold reactions



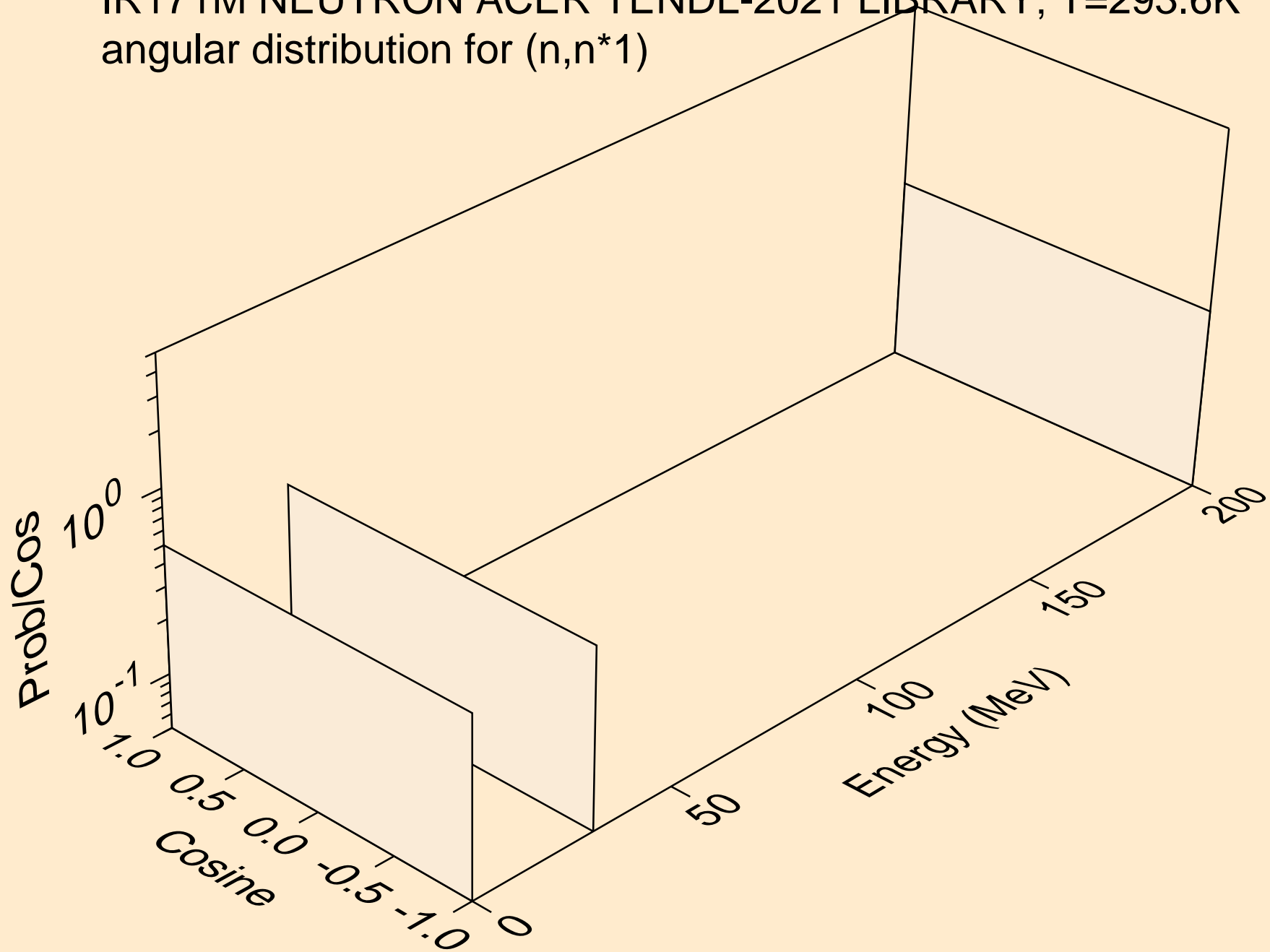
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angular distribution for elastic



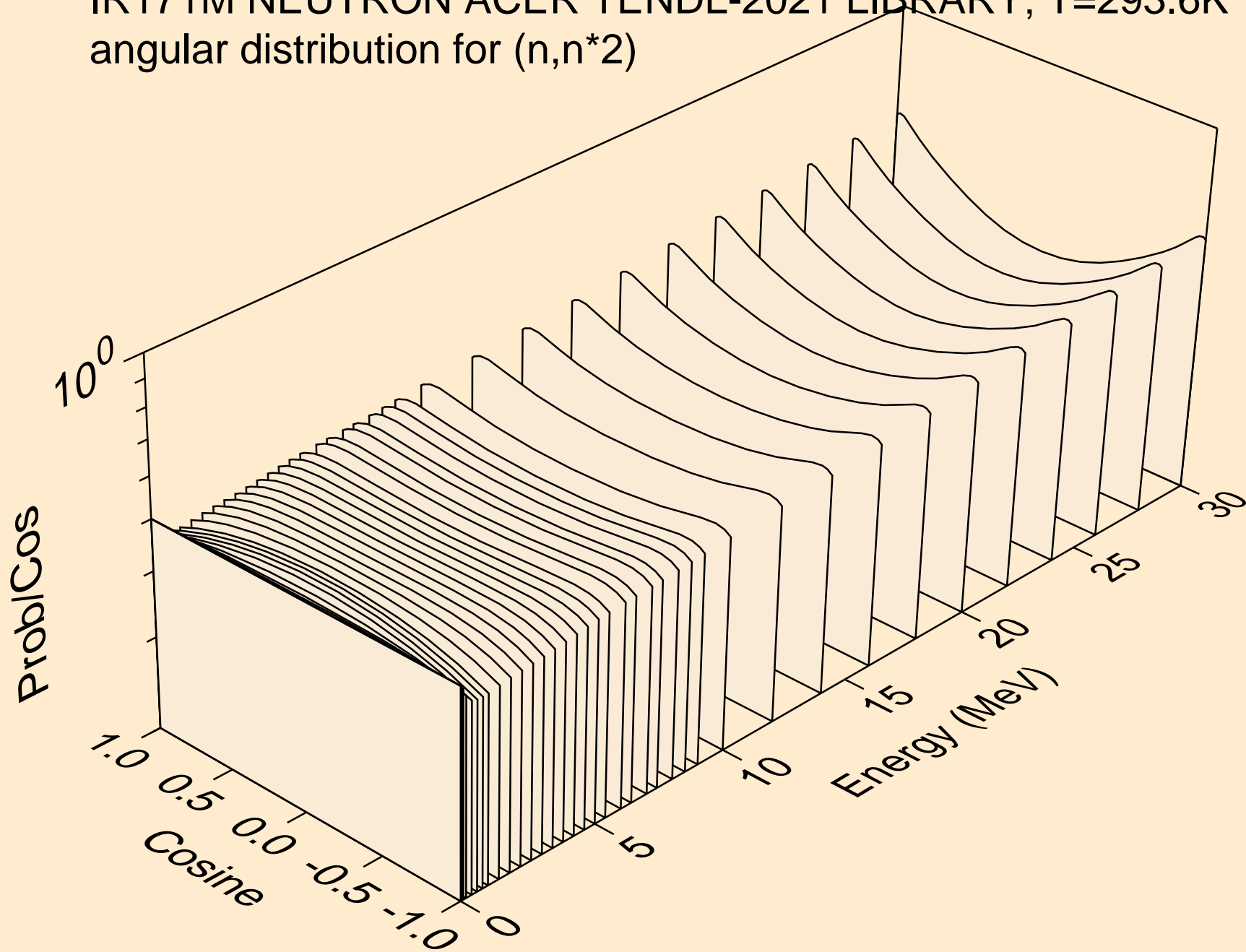
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angular distribution for elastic



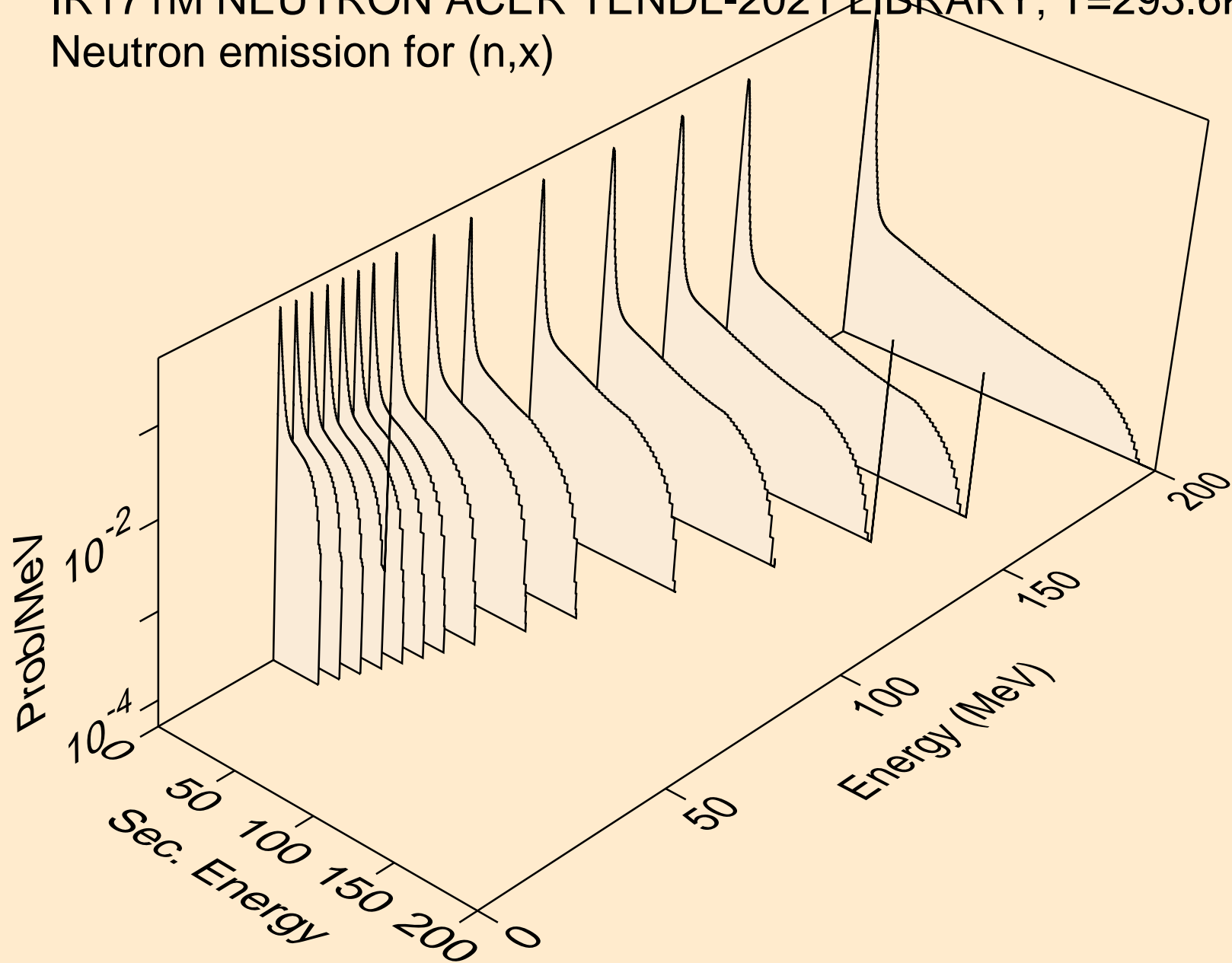
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)

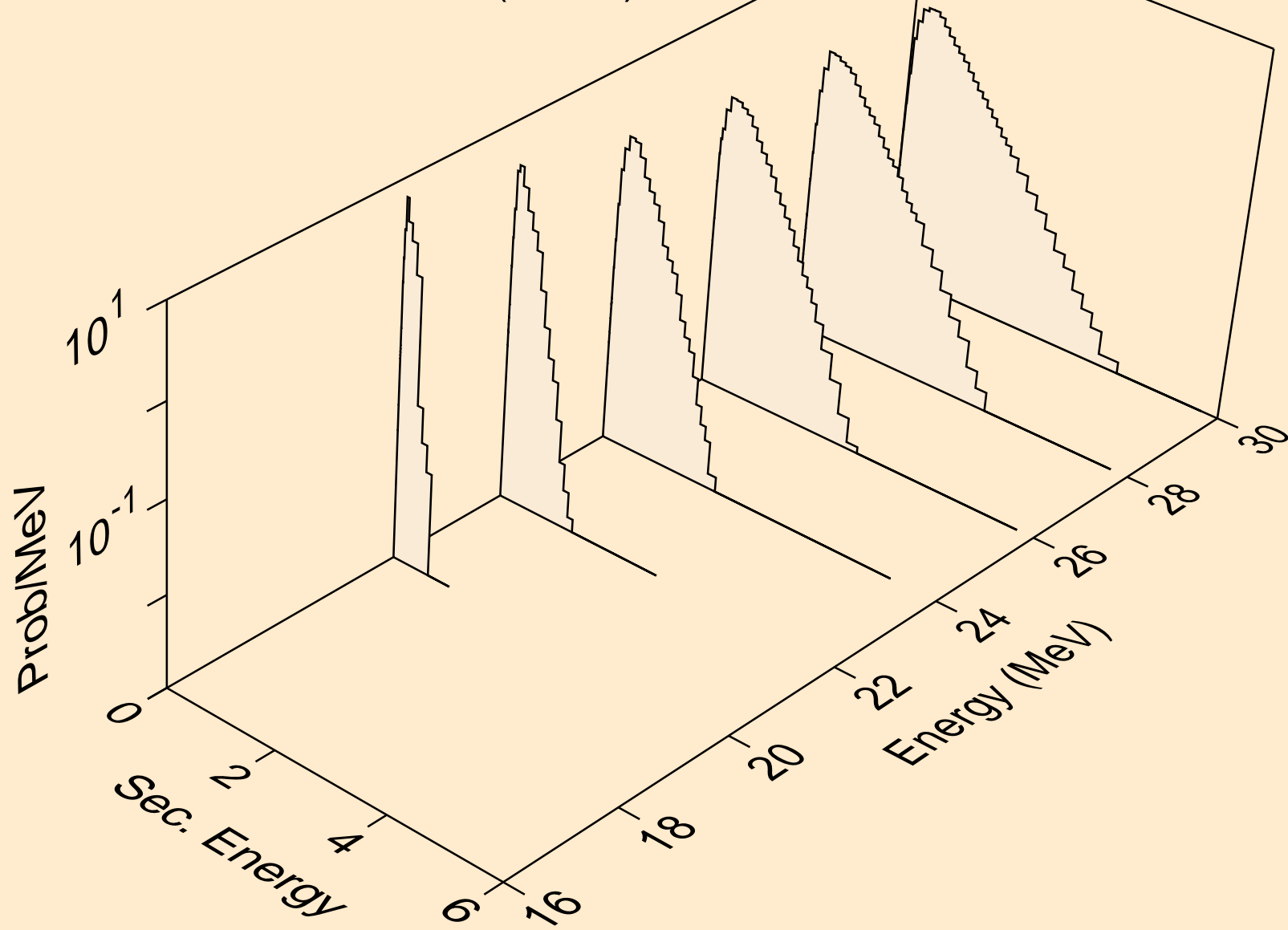


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Neutron emission for (n,x)

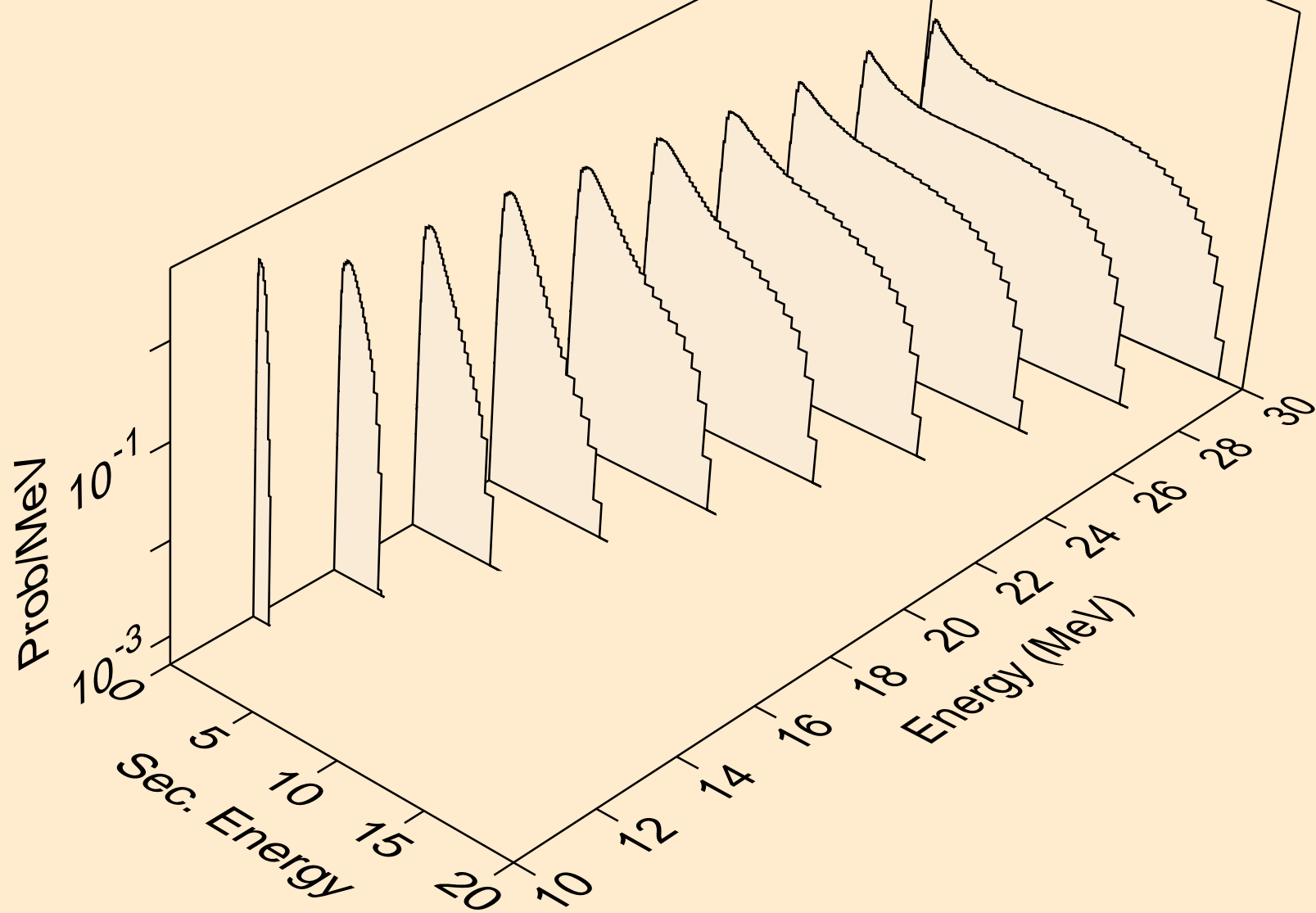




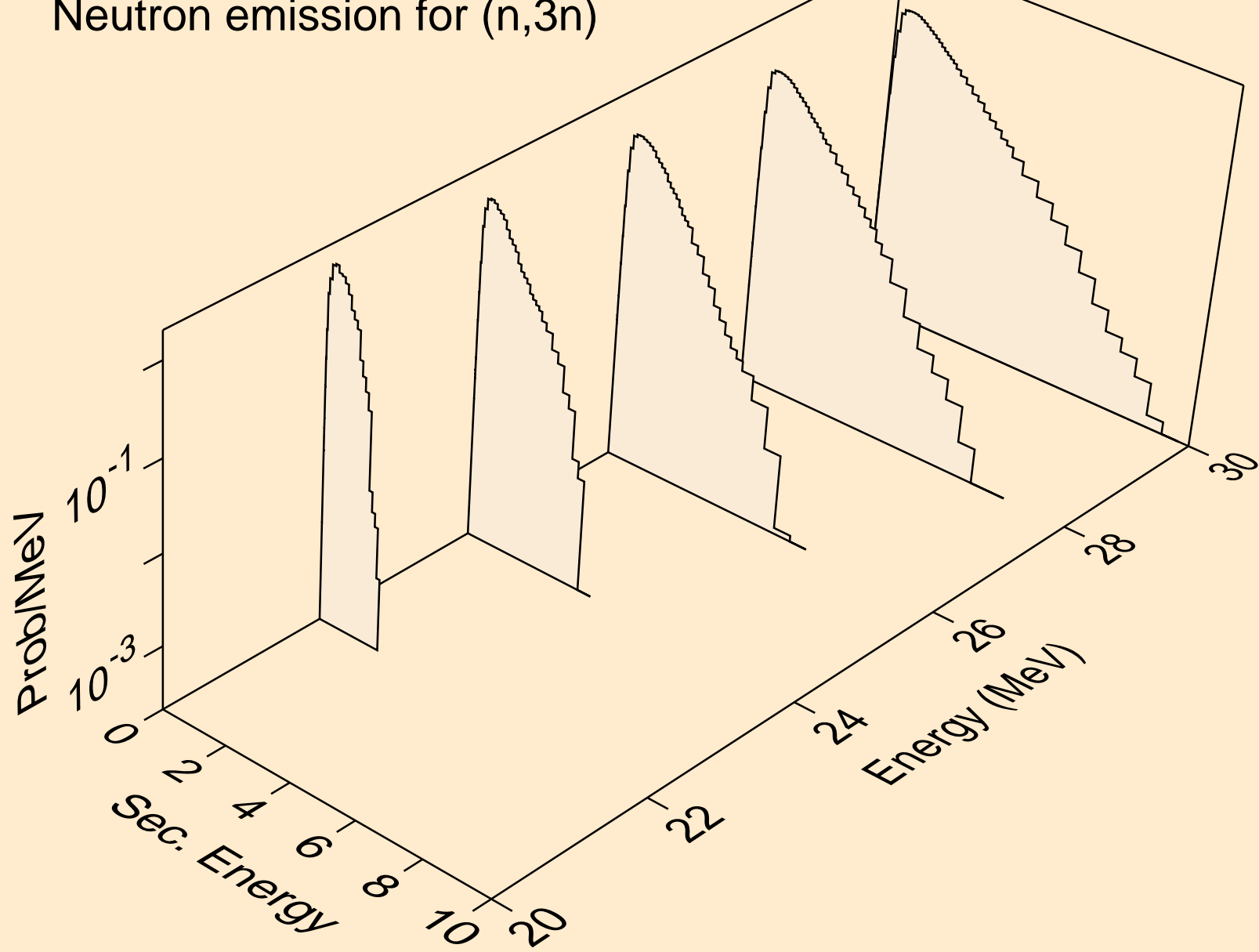
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Neutron emission for (n,2nd)



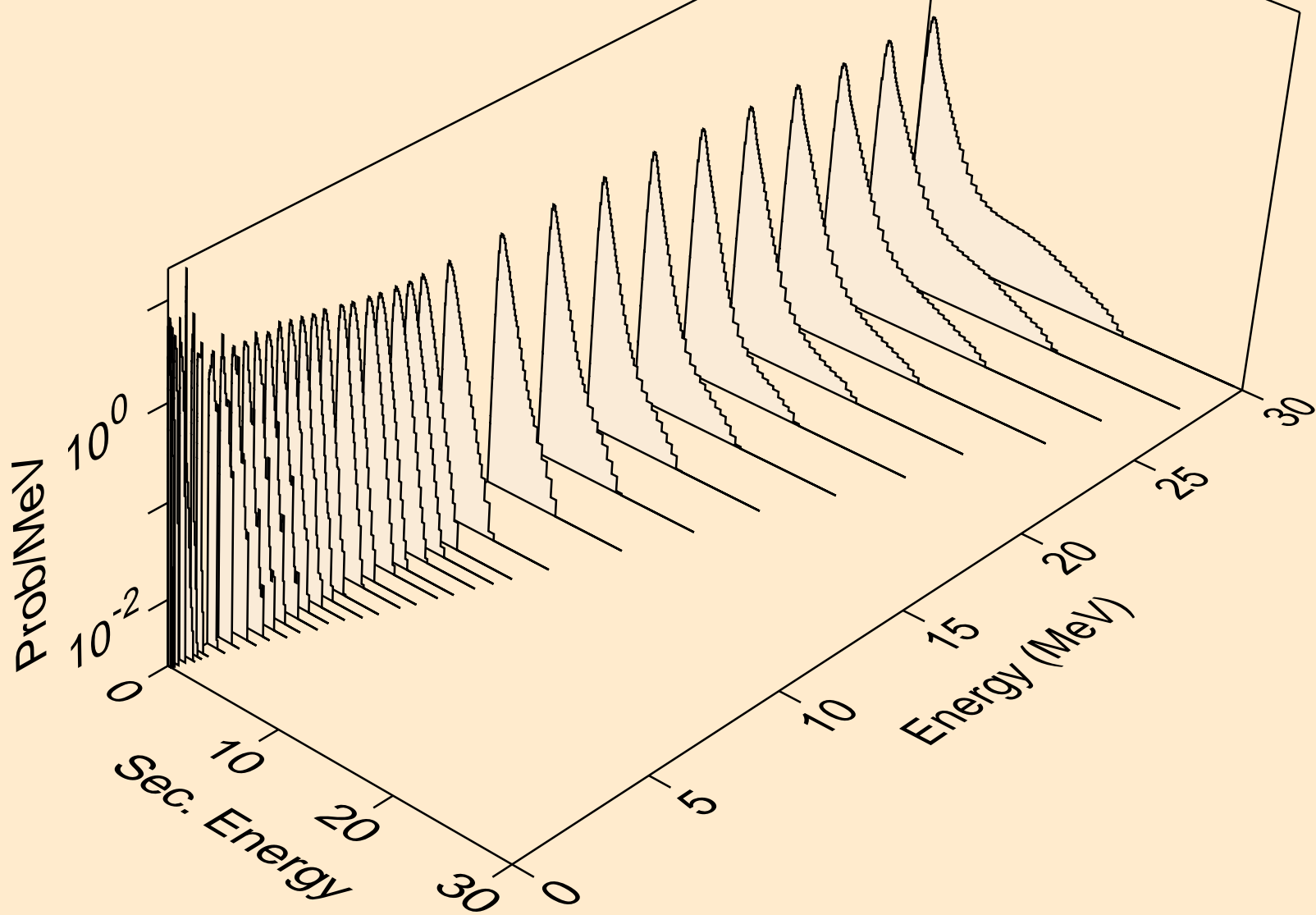
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Neutron emission for (n,2n)



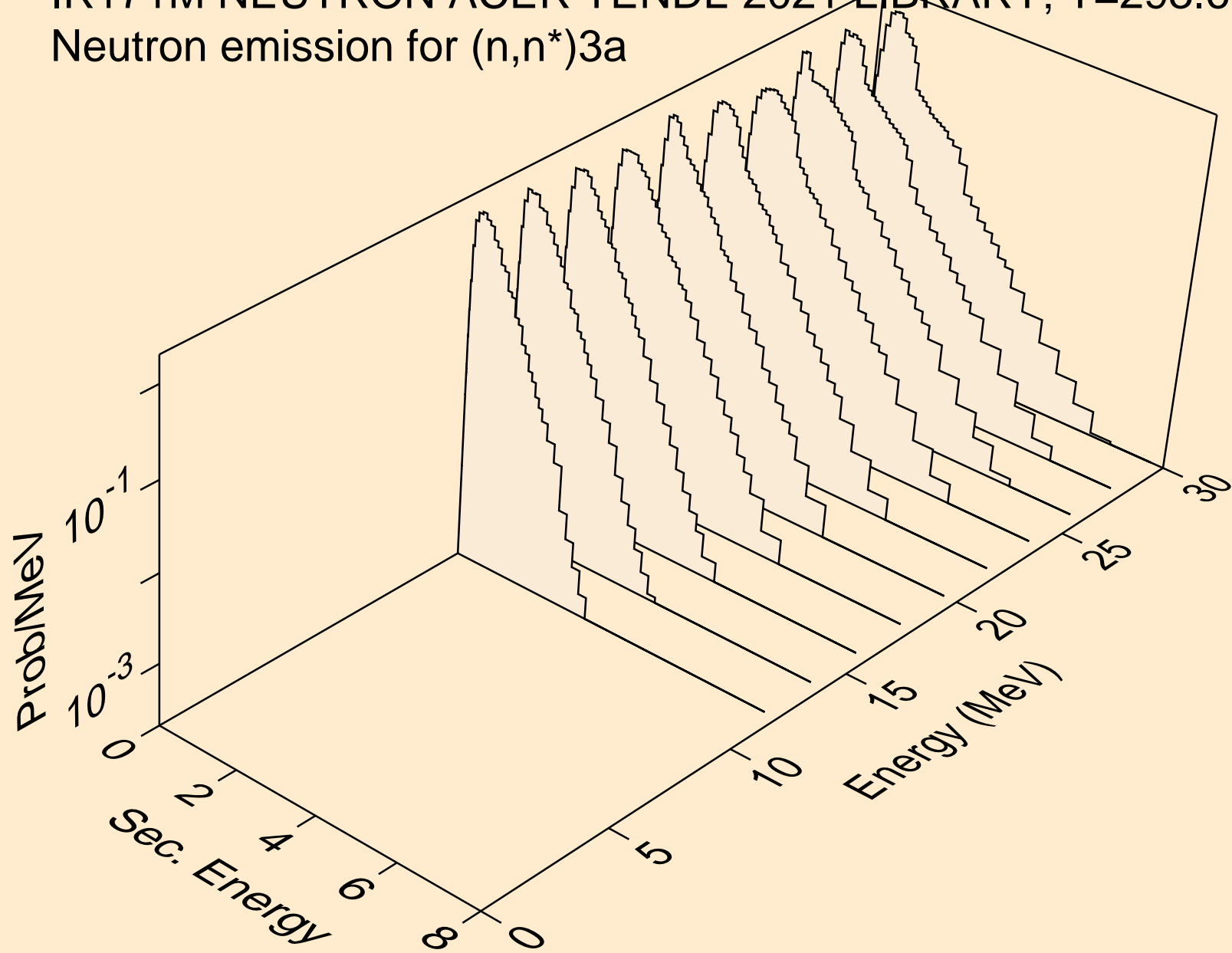
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Neutron emission for (n,3n)



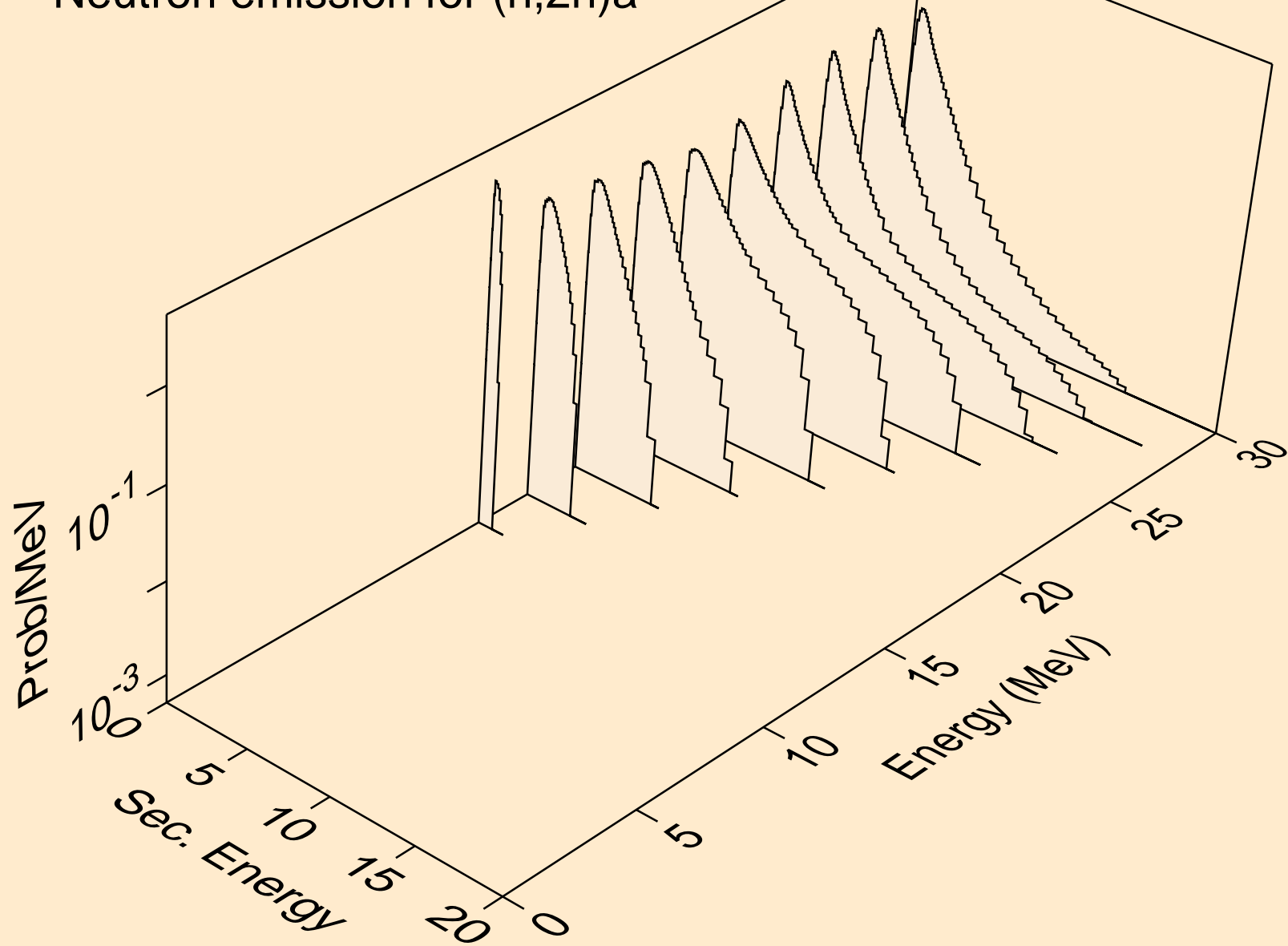
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



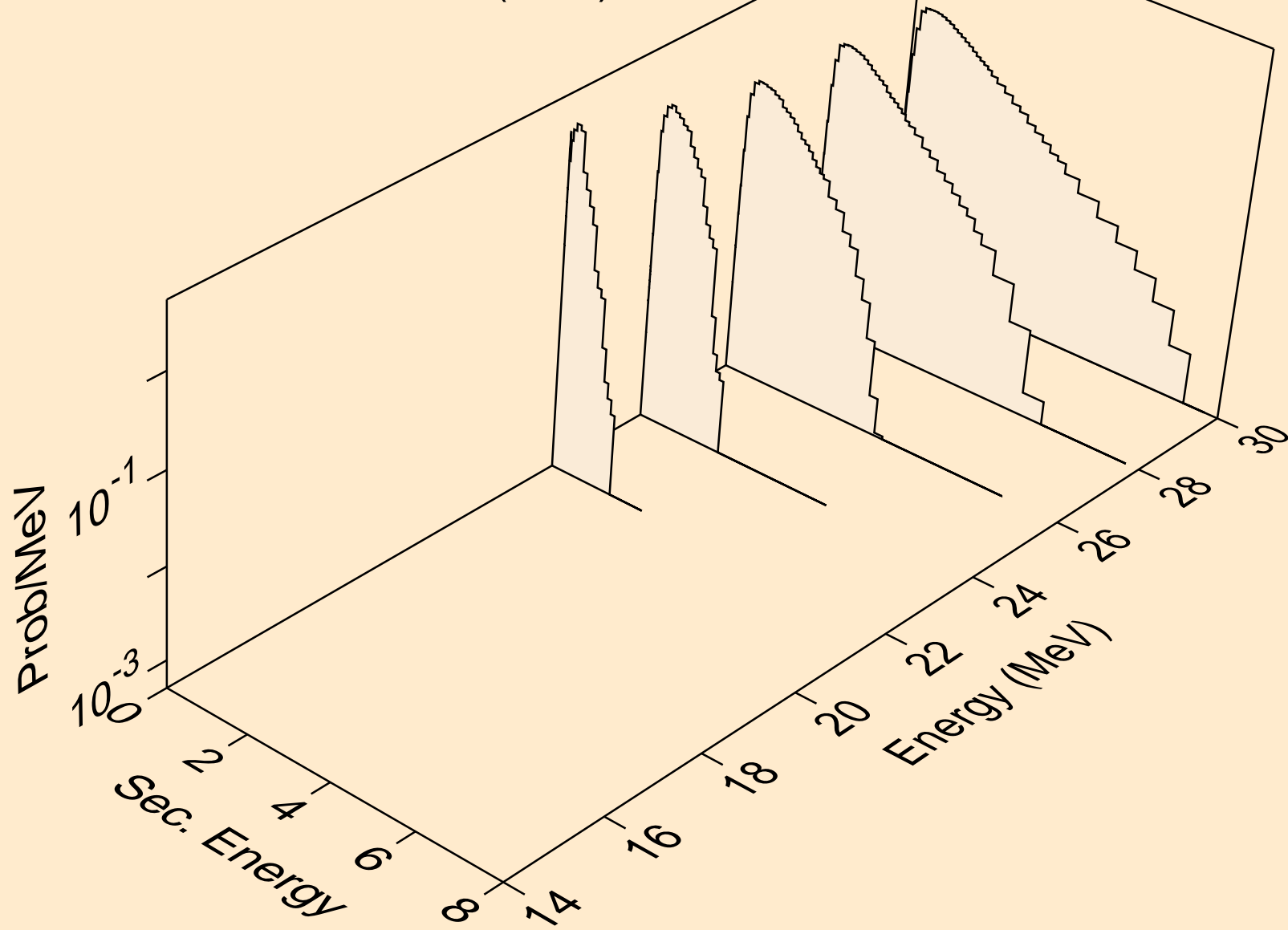
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Neutron emission for (n,n\*)3a



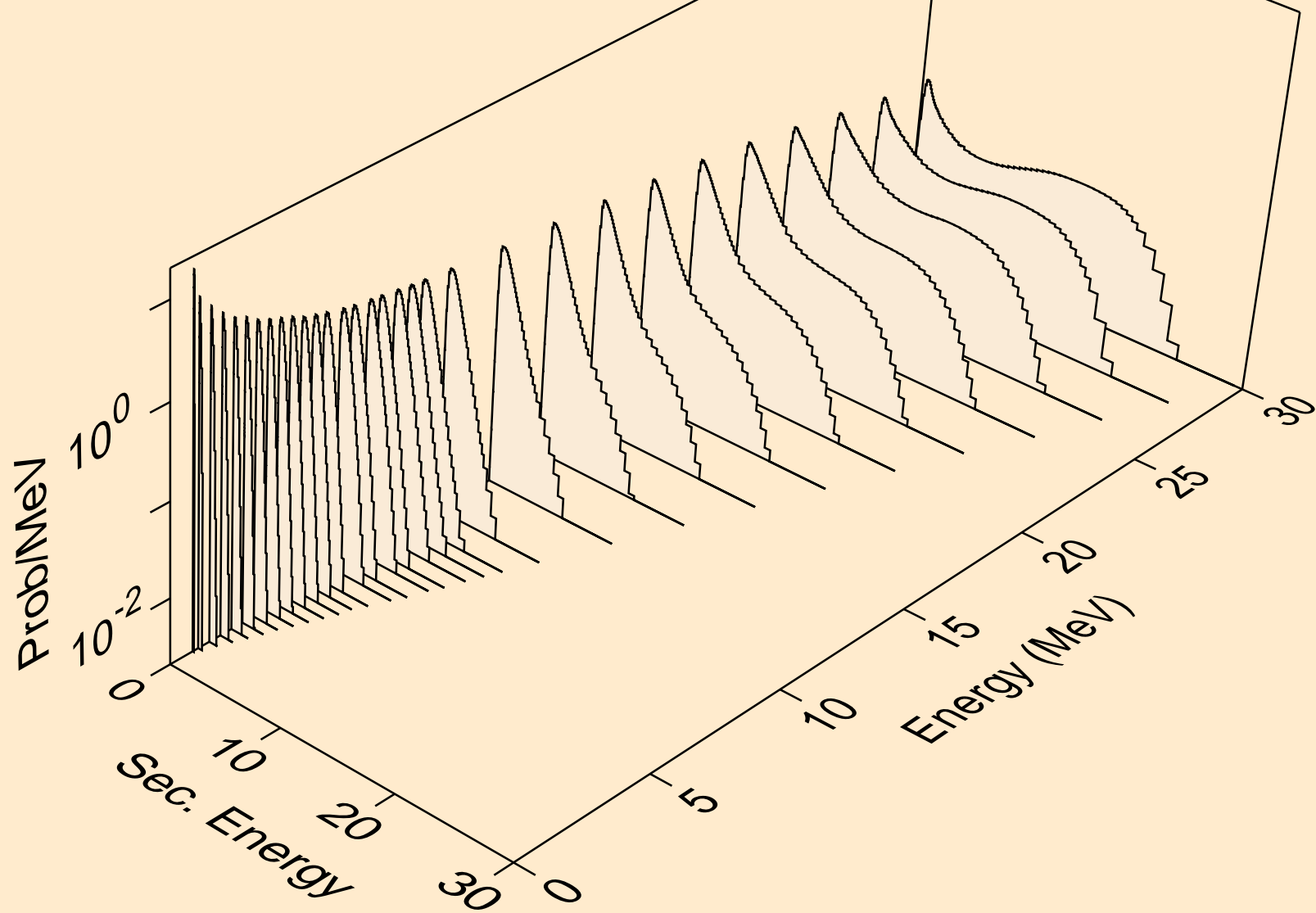
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Neutron emission for (n,2n)<sub>a</sub>



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)<sub>a</sub>

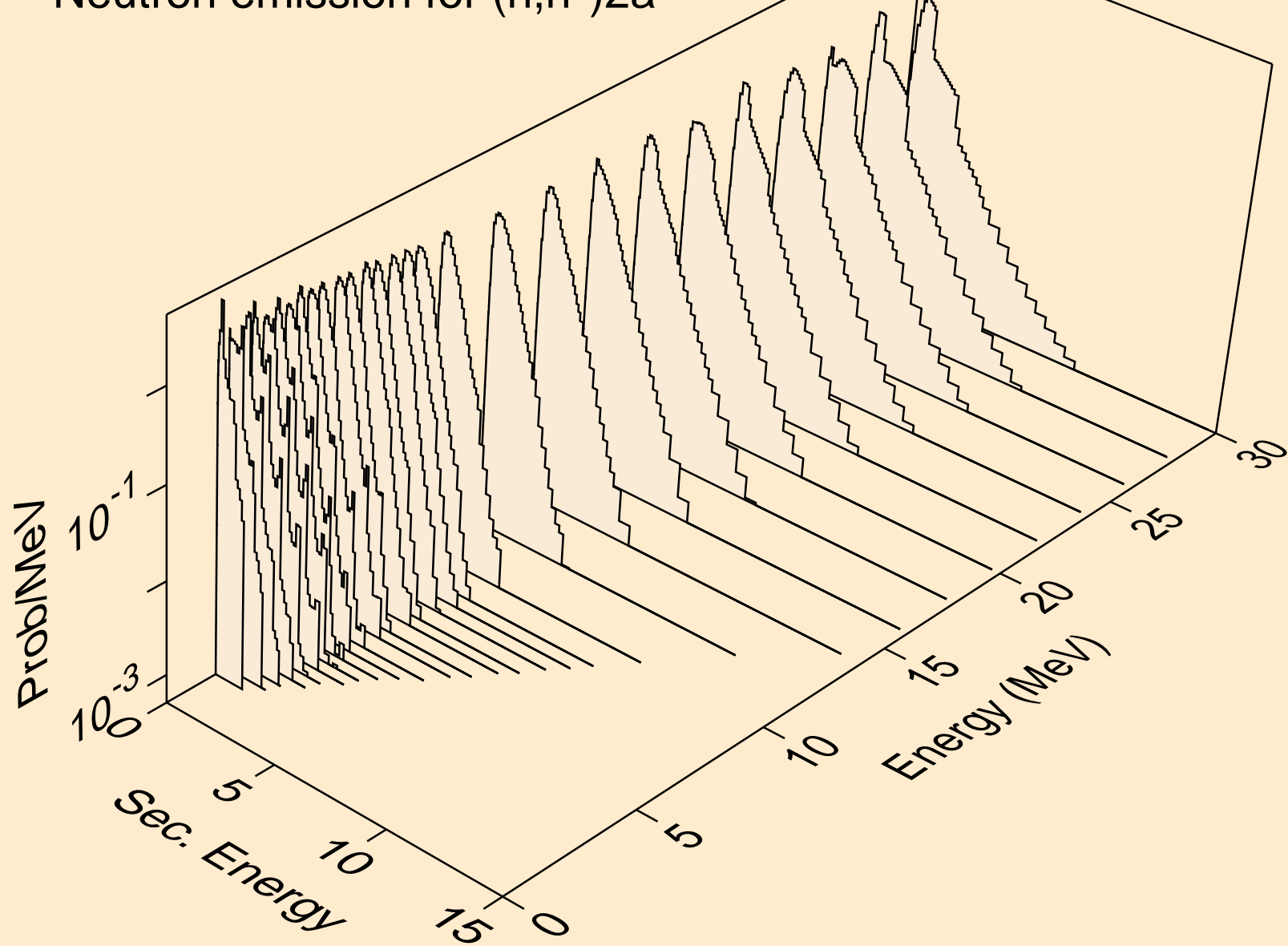


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Neutron emission for (n,n\*)p

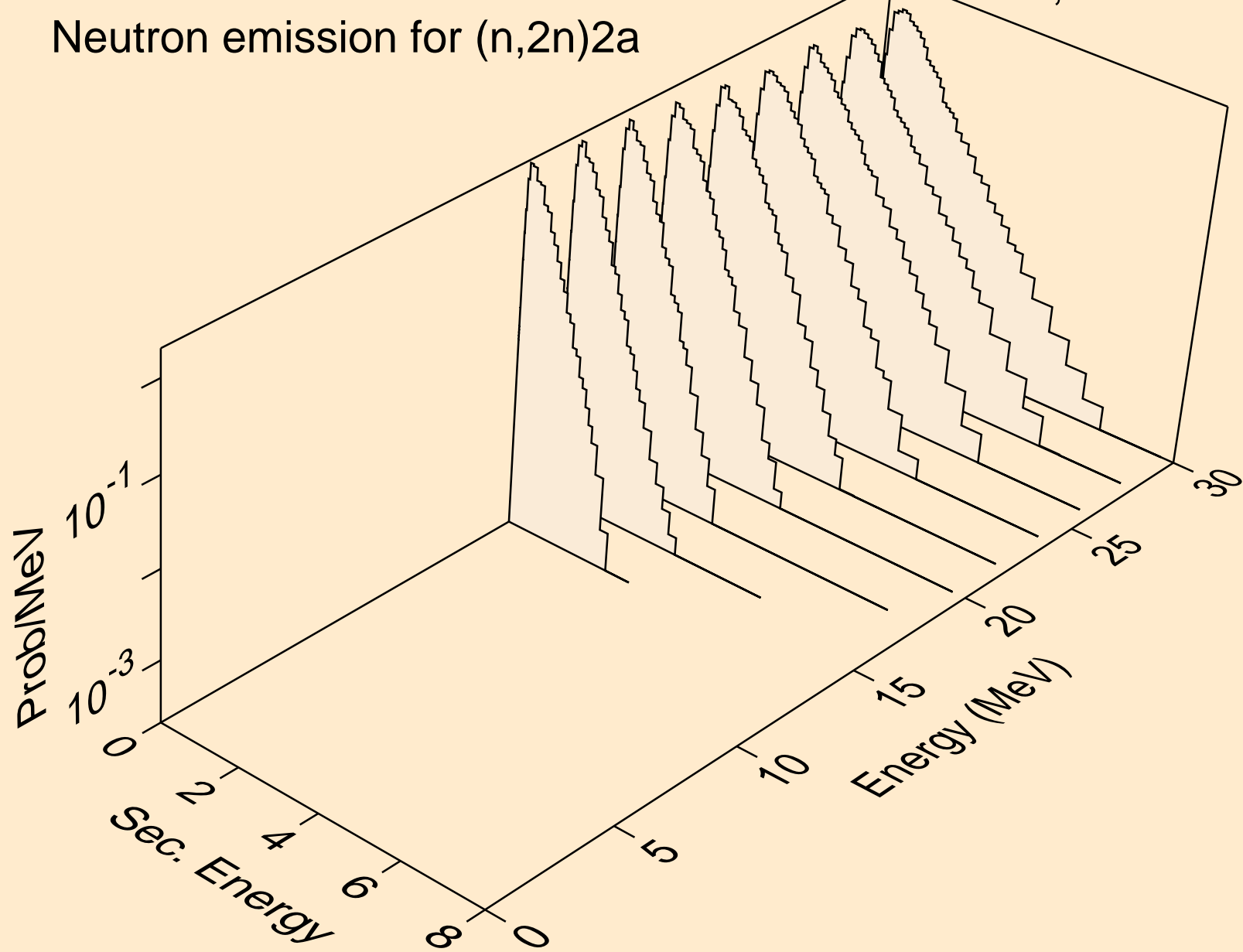




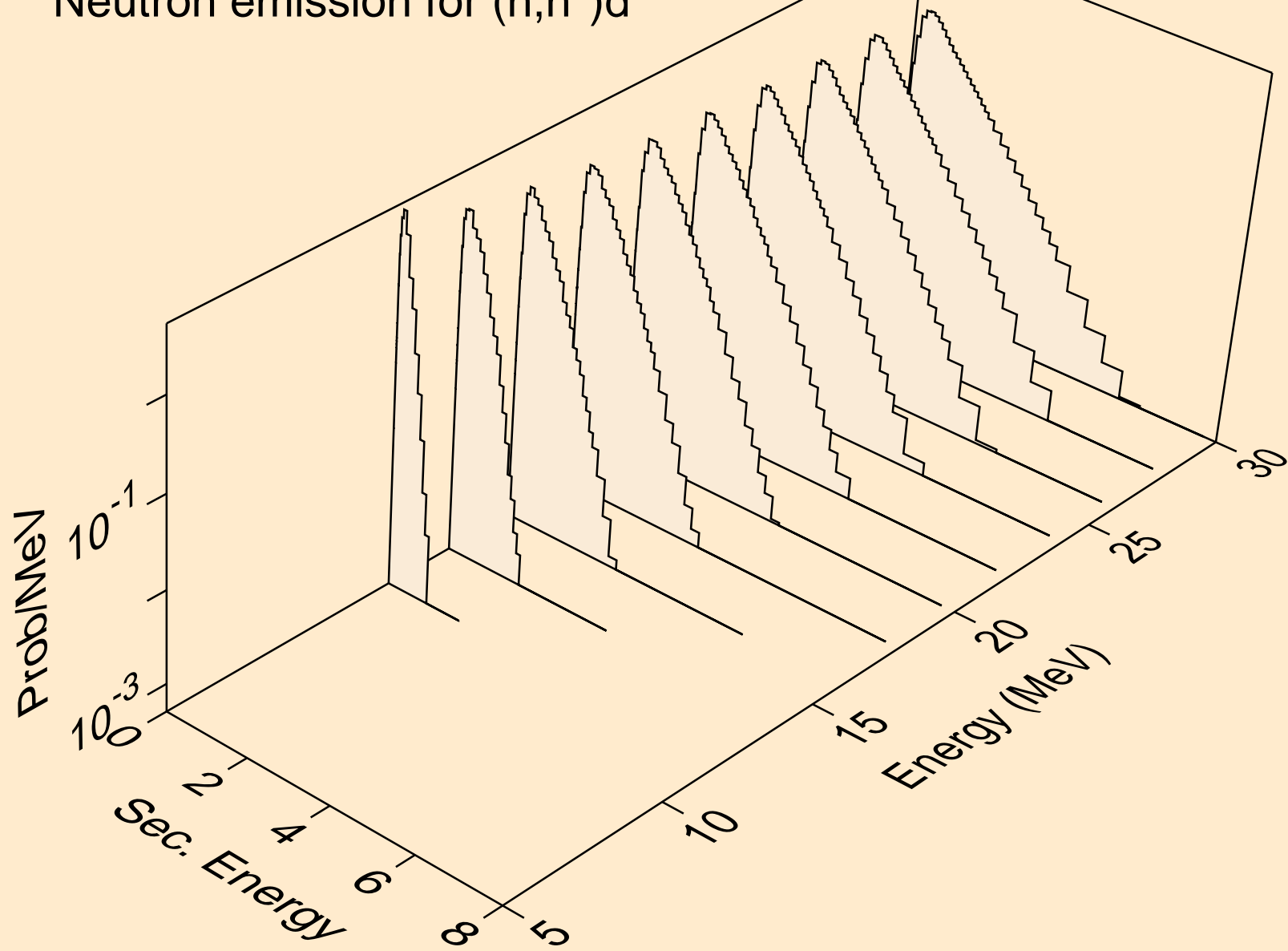
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Neutron emission for (n,n\*)2a



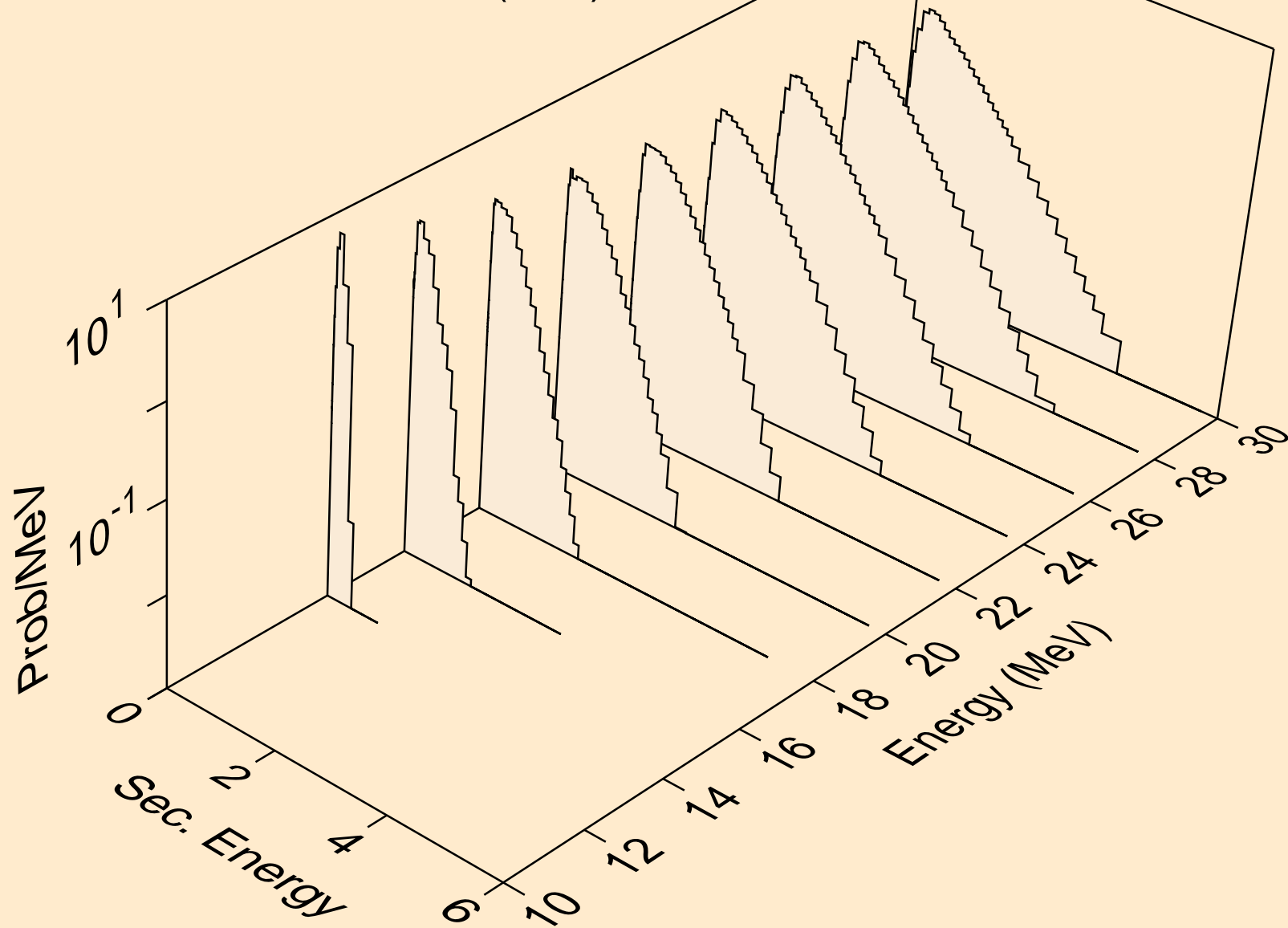
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Neutron emission for (n,2n)2a



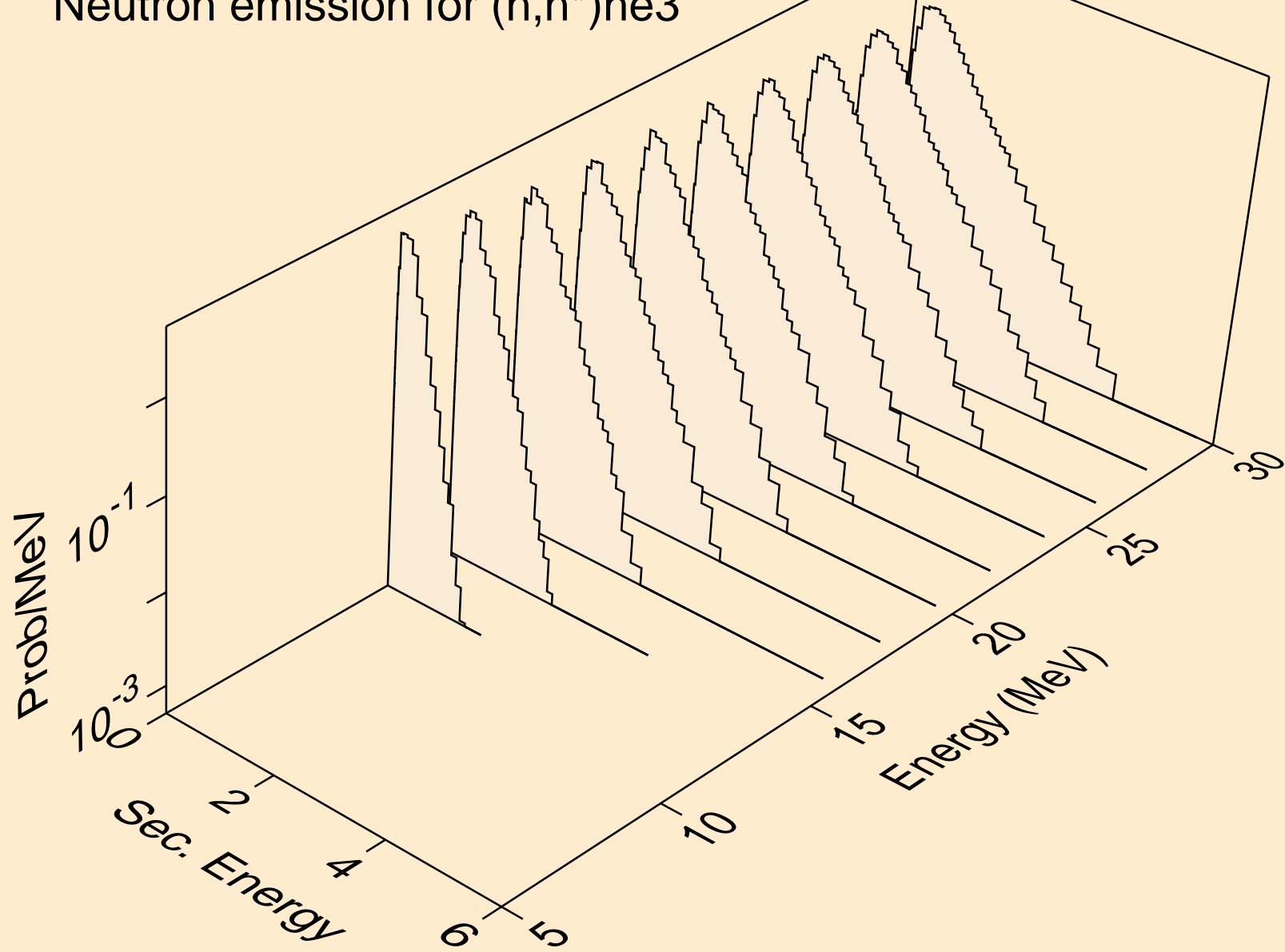
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Neutron emission for (n,n\*)d



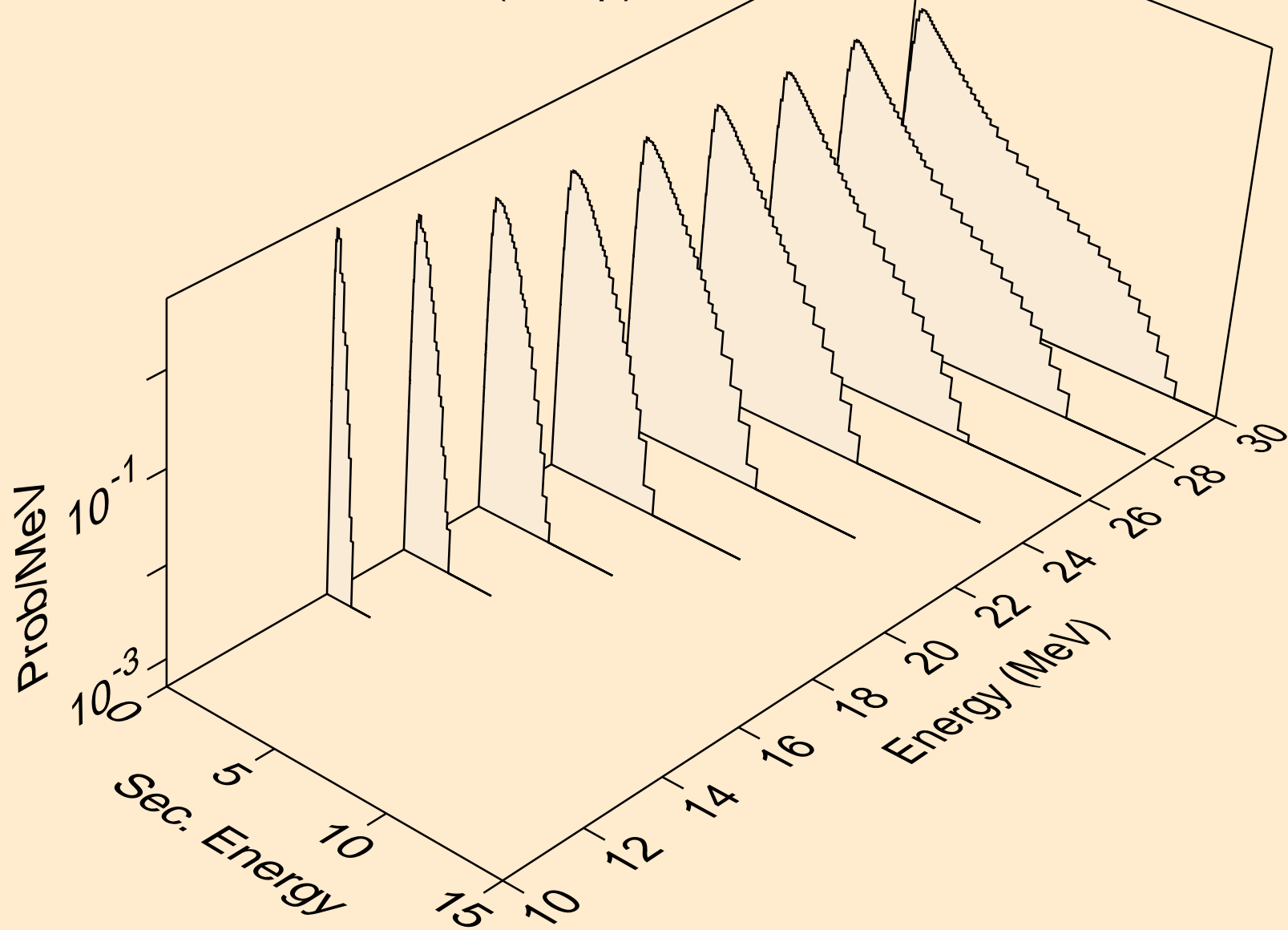
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



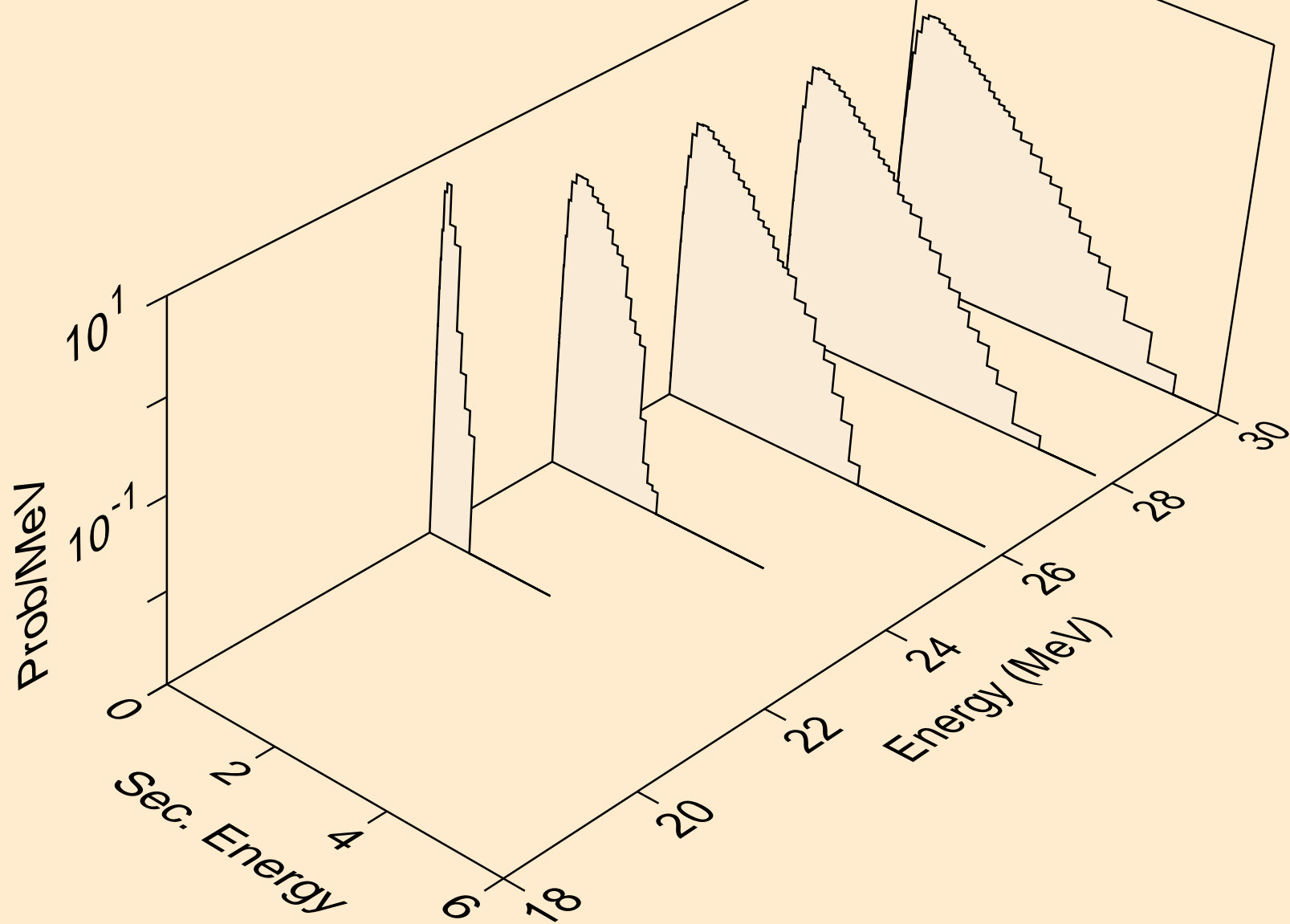
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



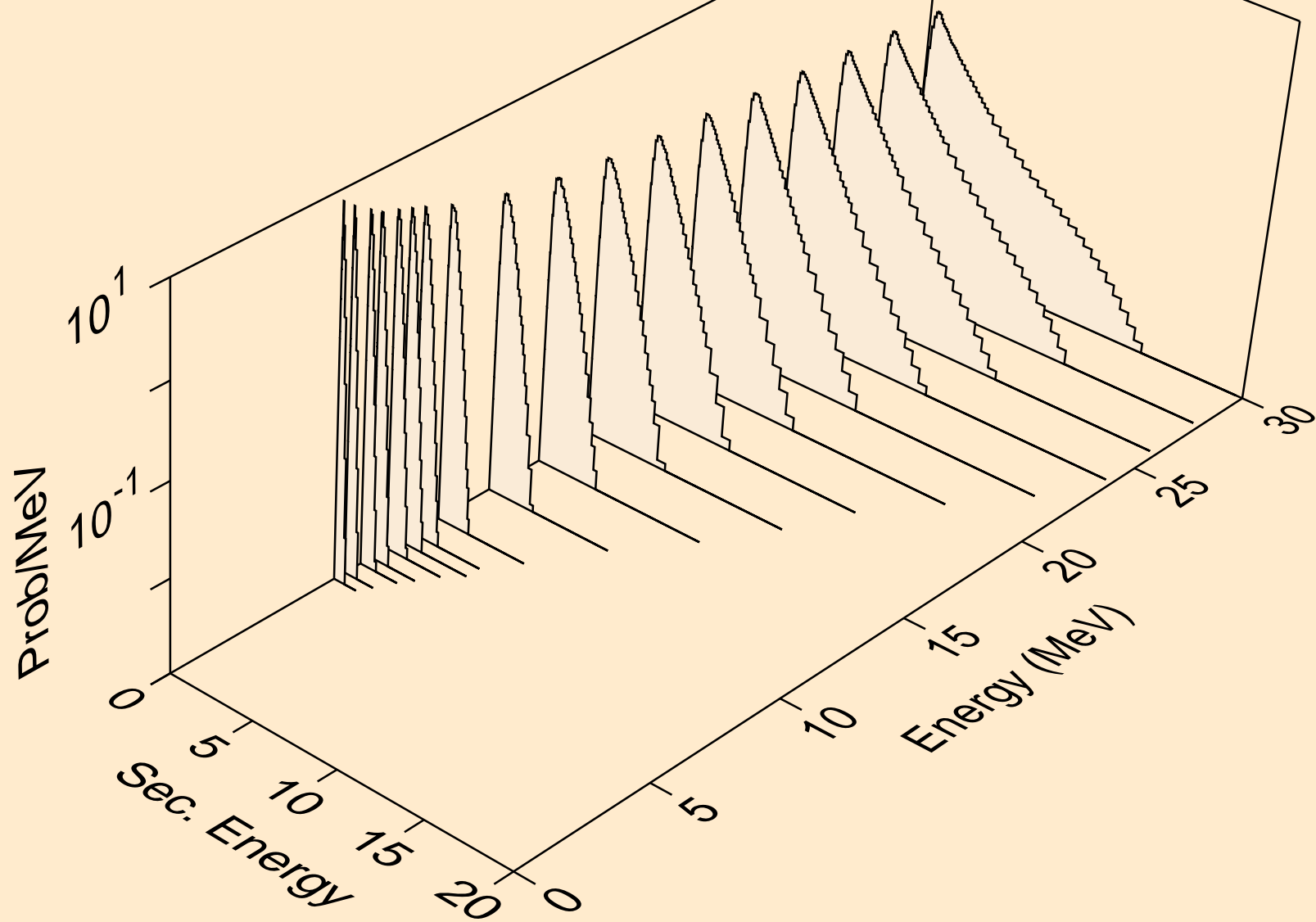
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

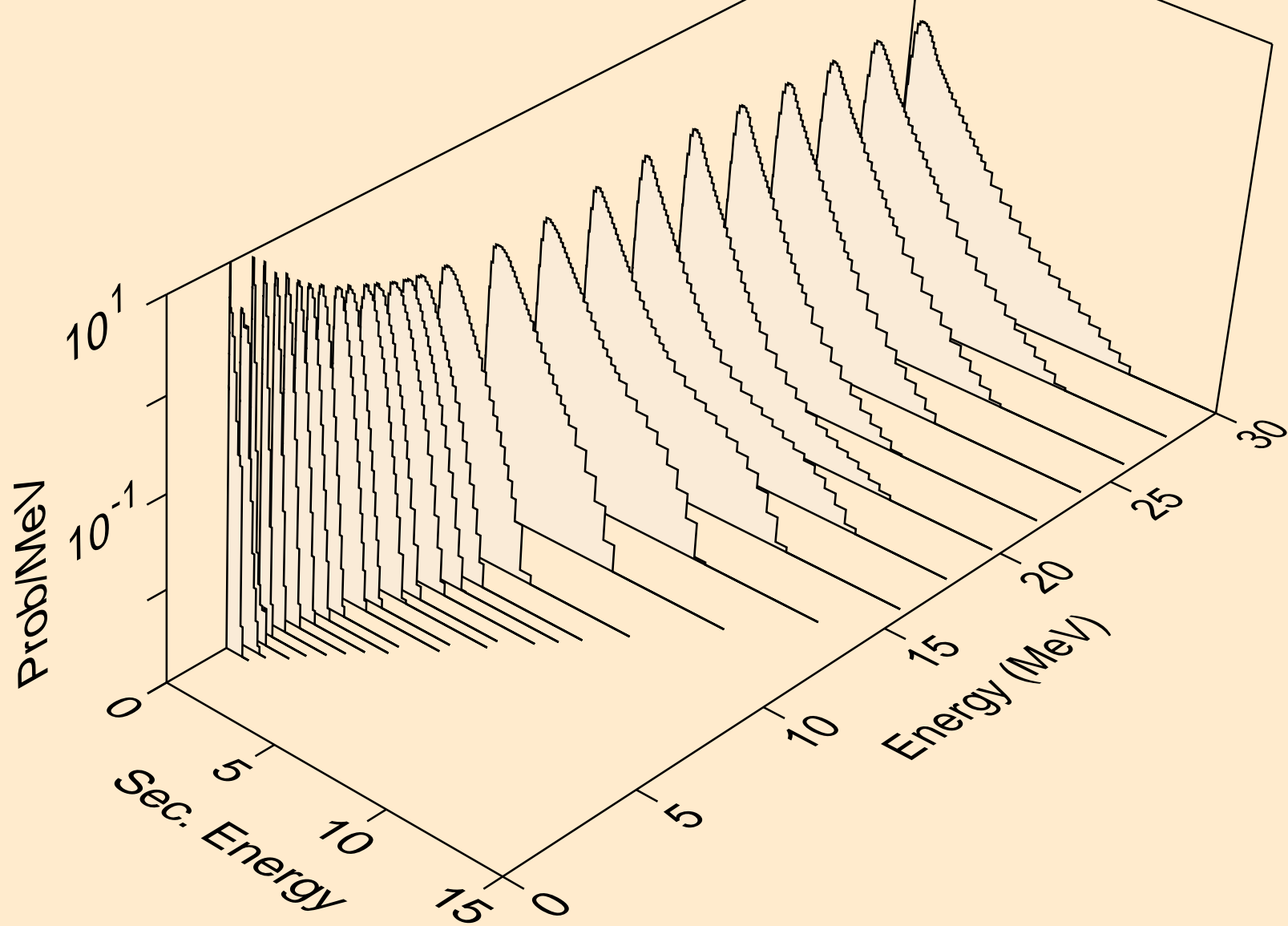


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Neutron emission for (n,2np)

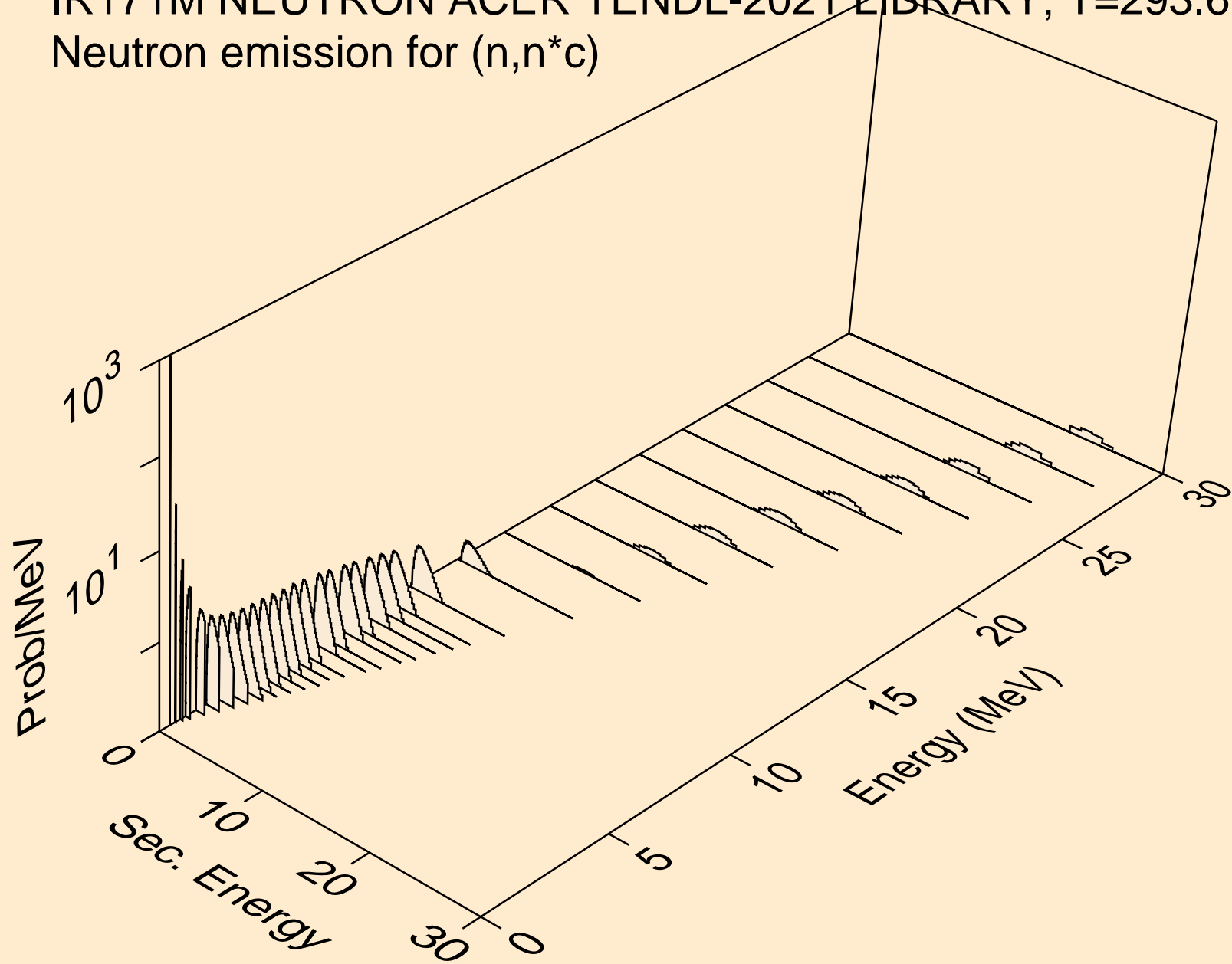




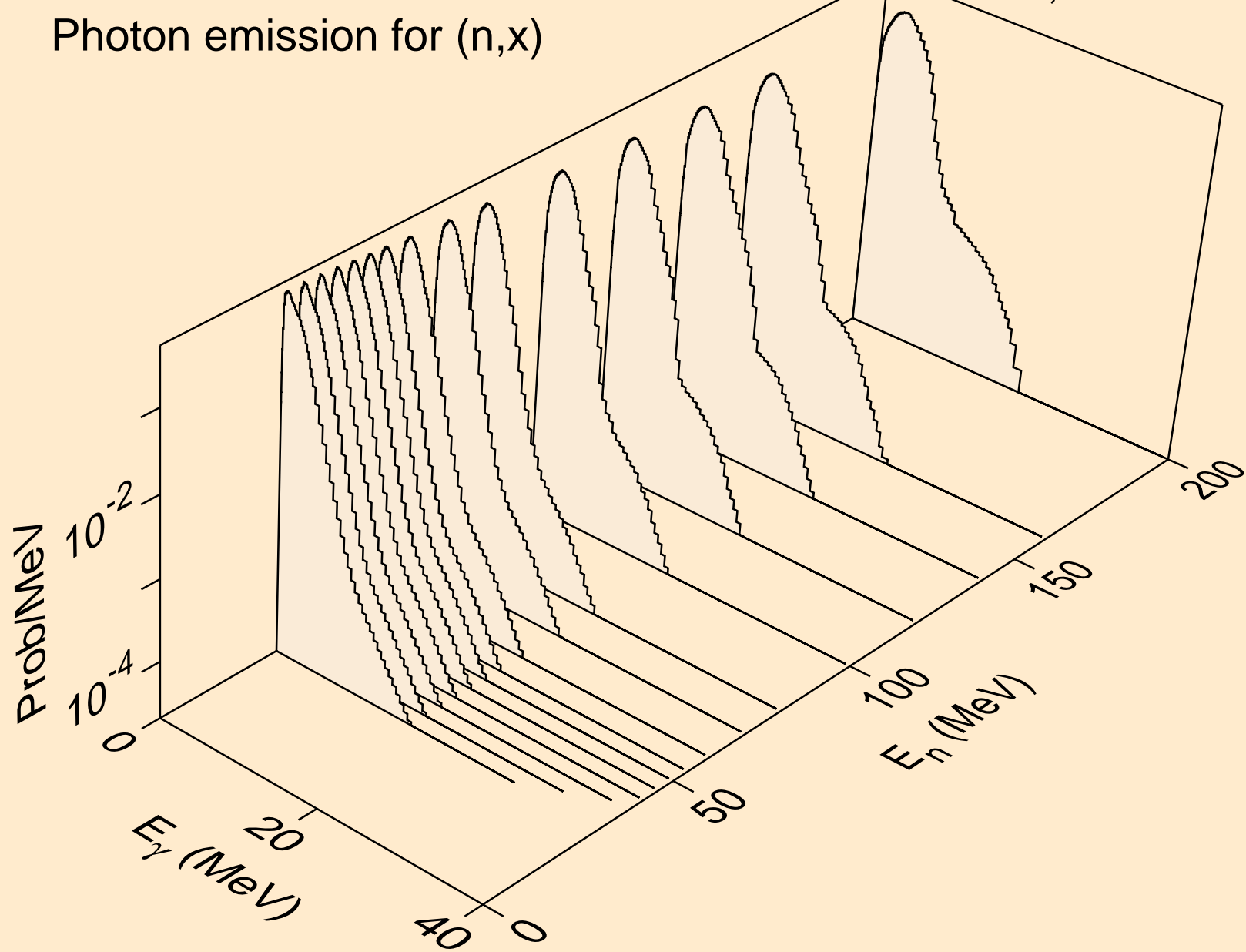
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Neutron emission for (n,npa)



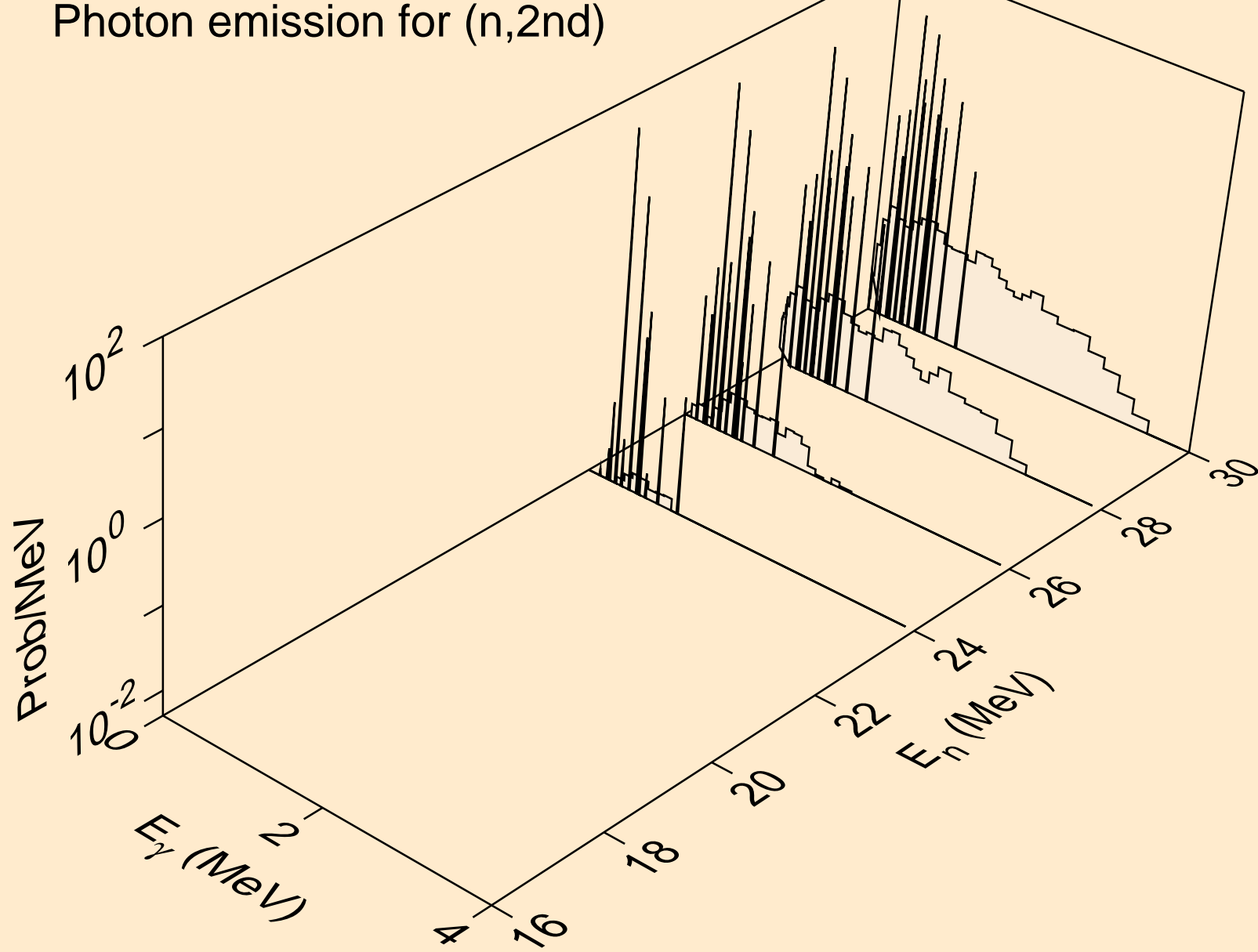
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Neutron emission for (n,n\*c)



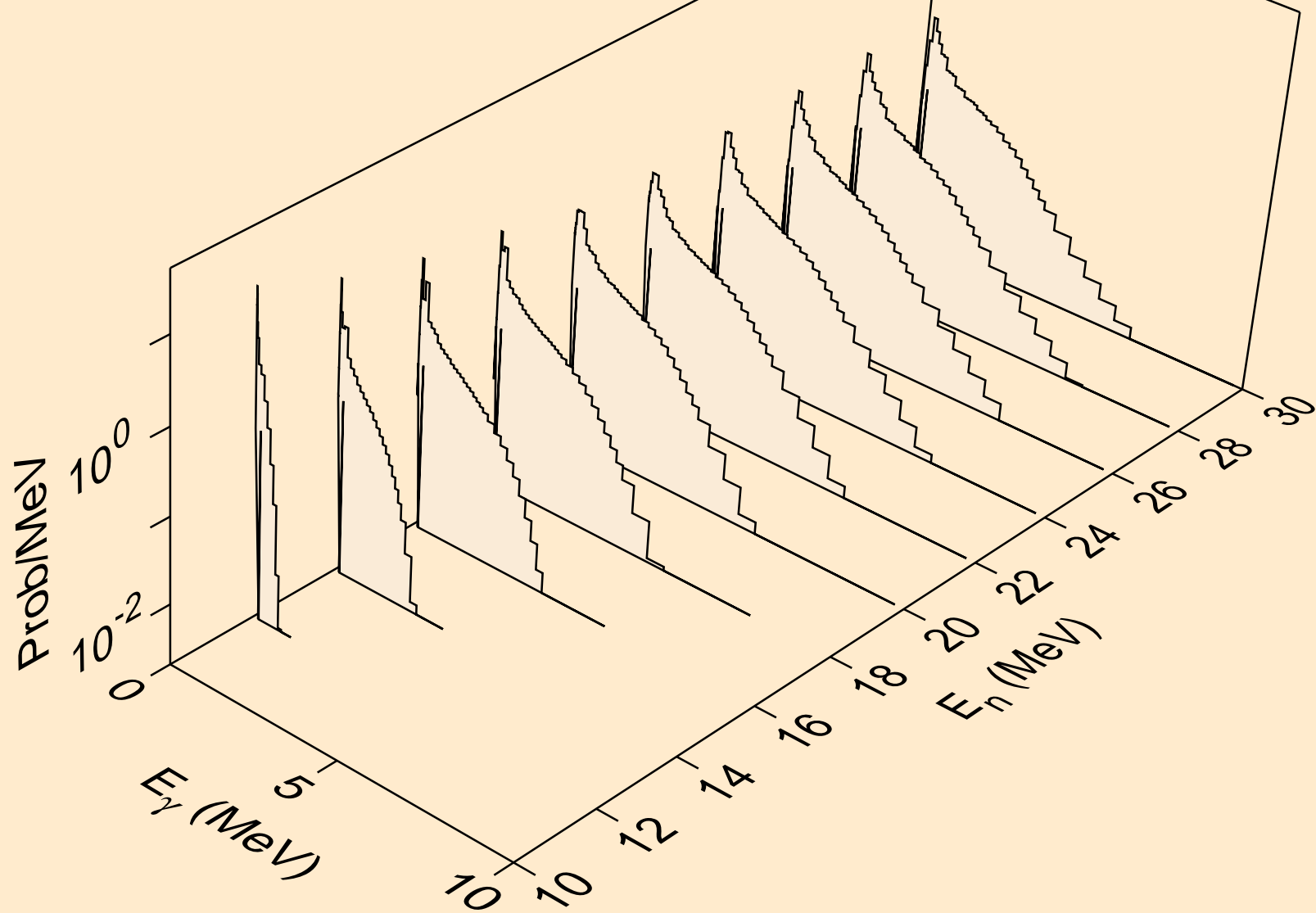
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Photon emission for (n,x)



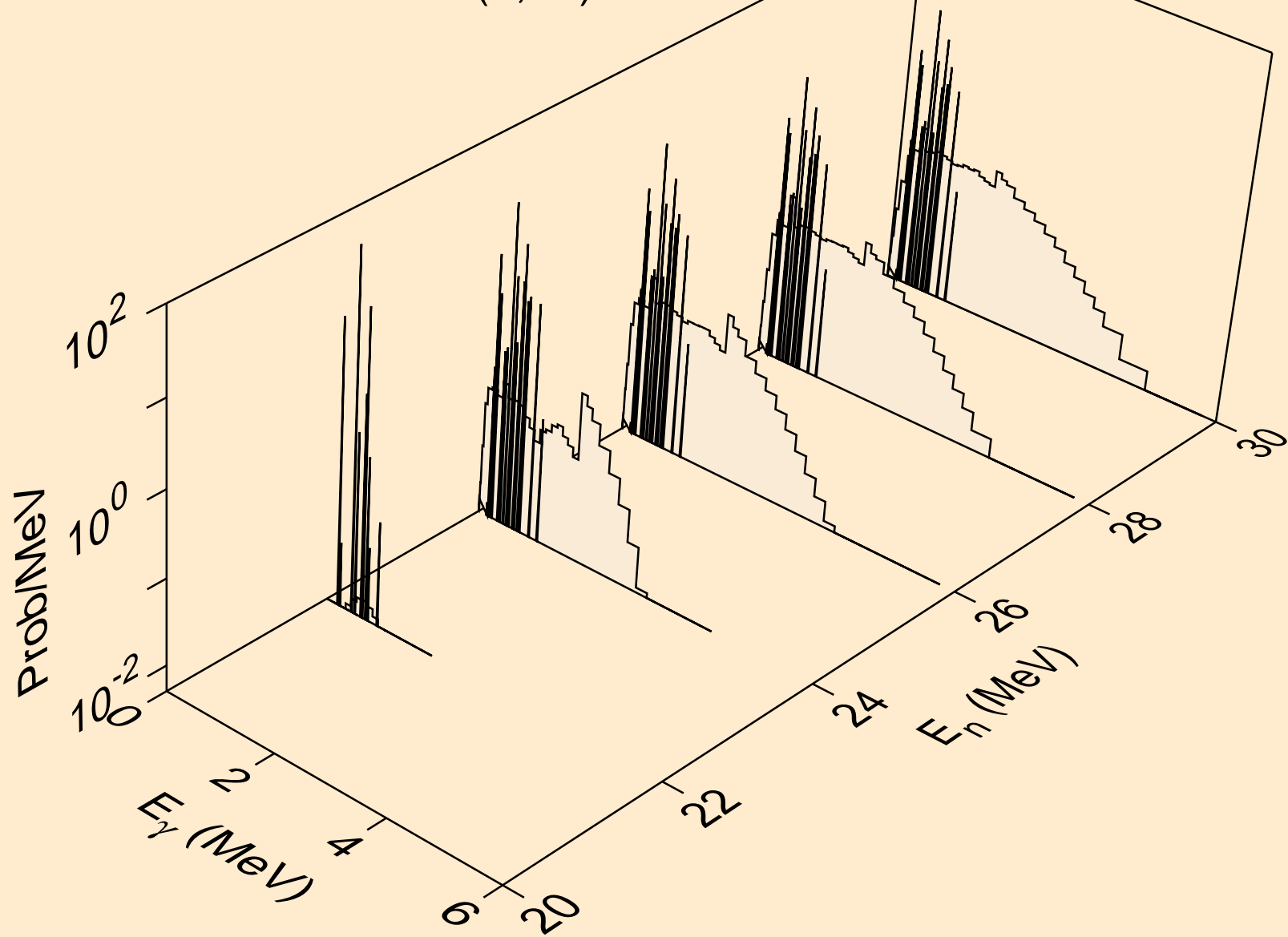
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Photon emission for (n,2nd)



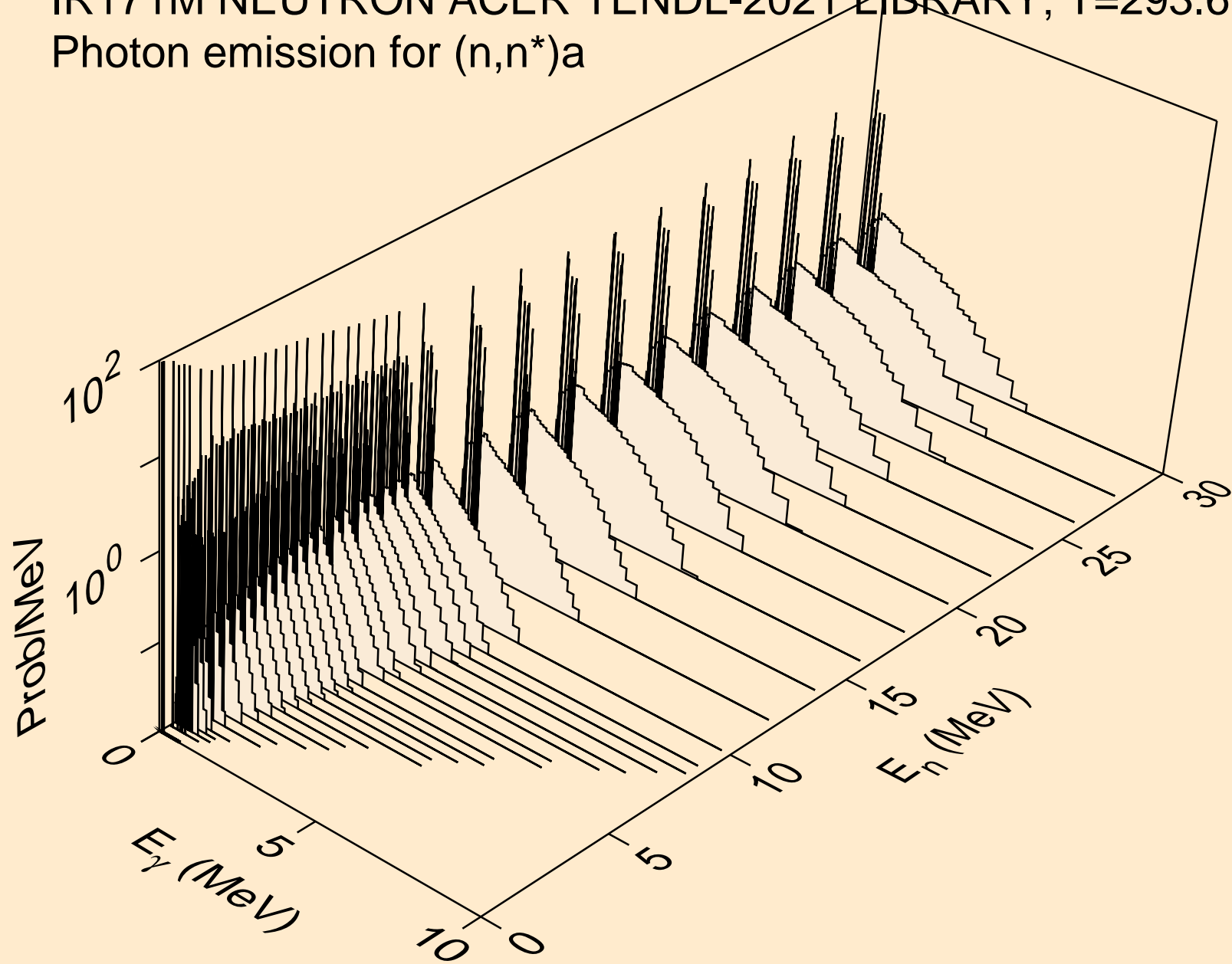
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Photon emission for (n,2n)



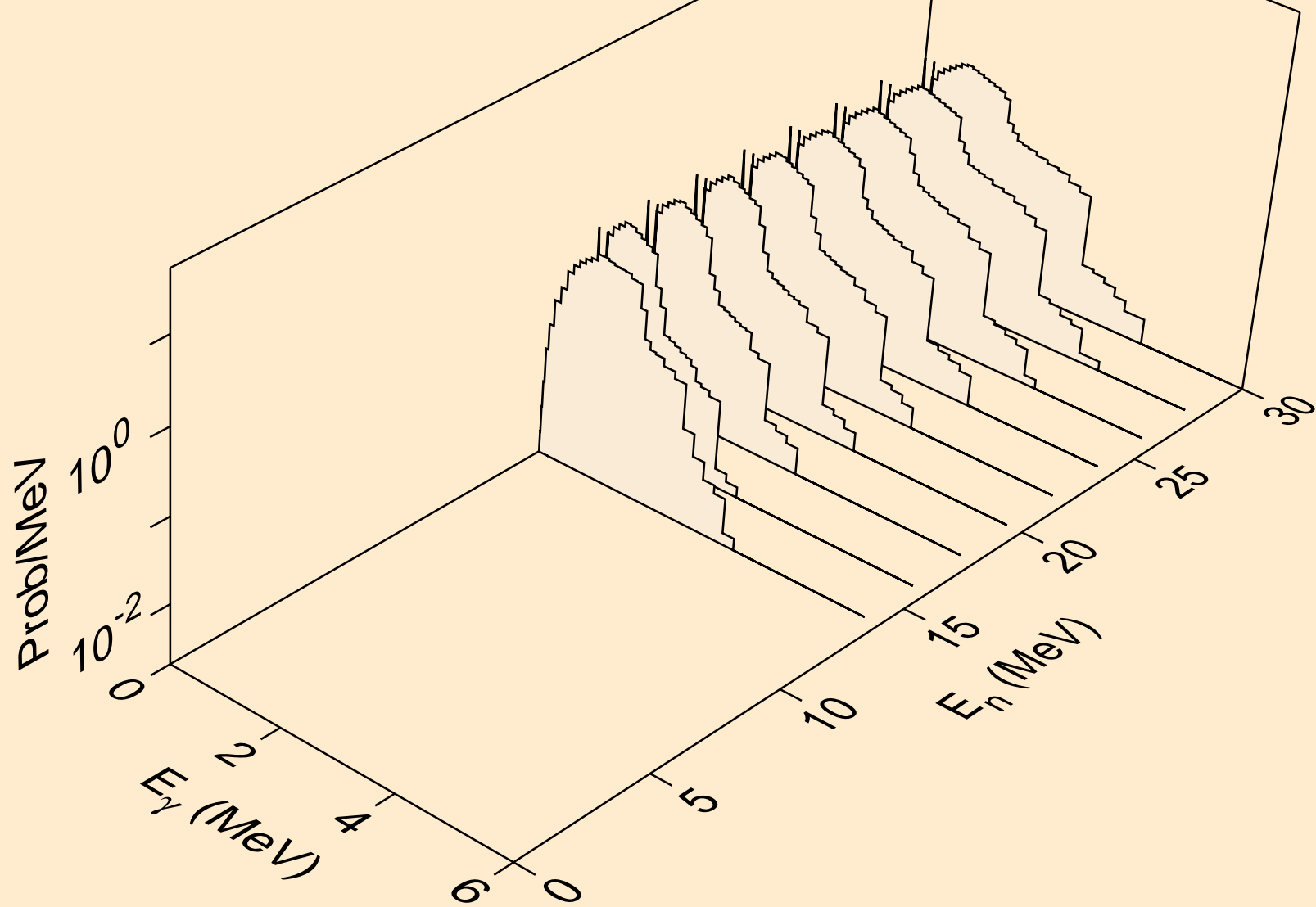
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

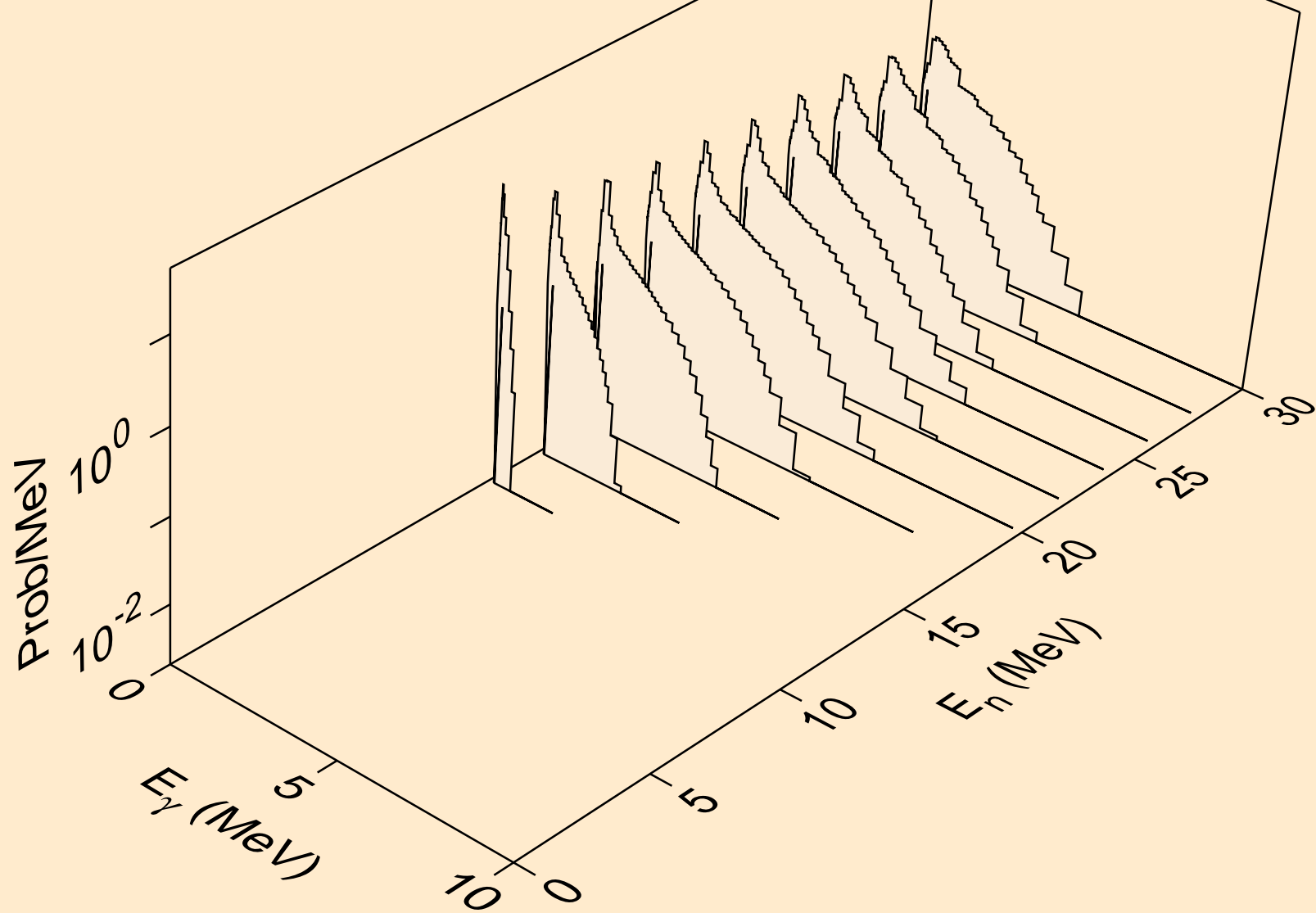


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Photon emission for (n,n\*)3a

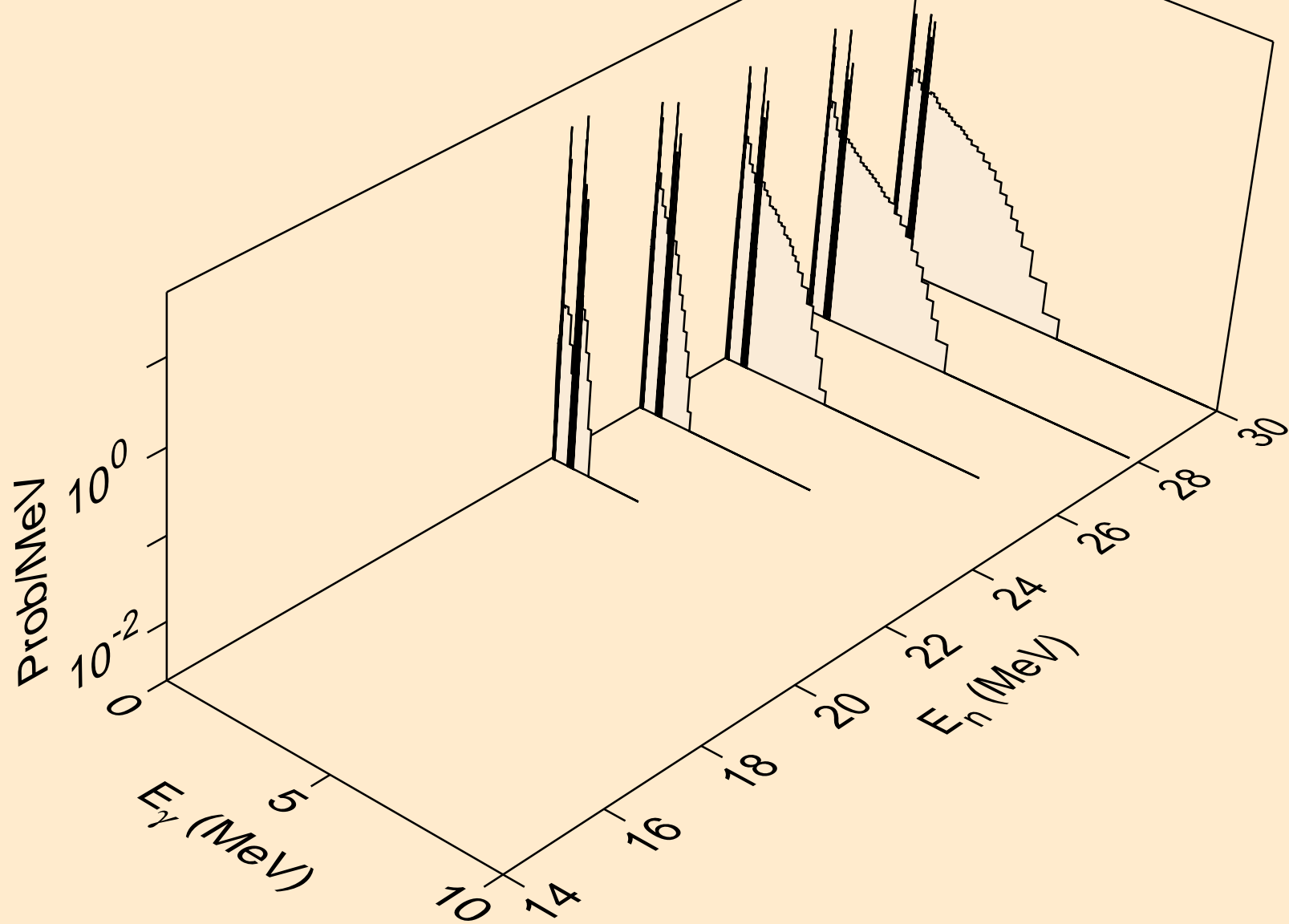




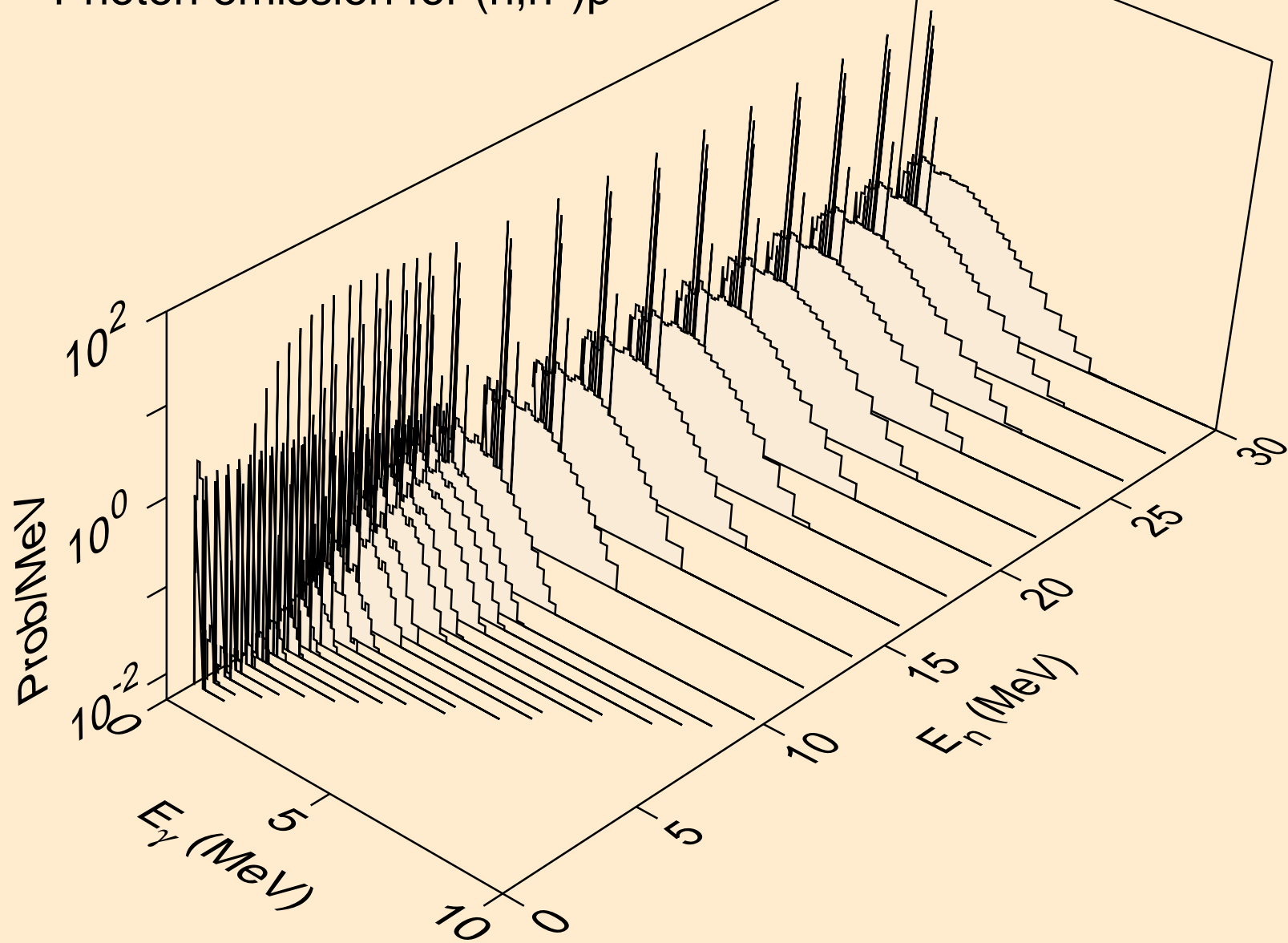
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Photon emission for (n,2n)a



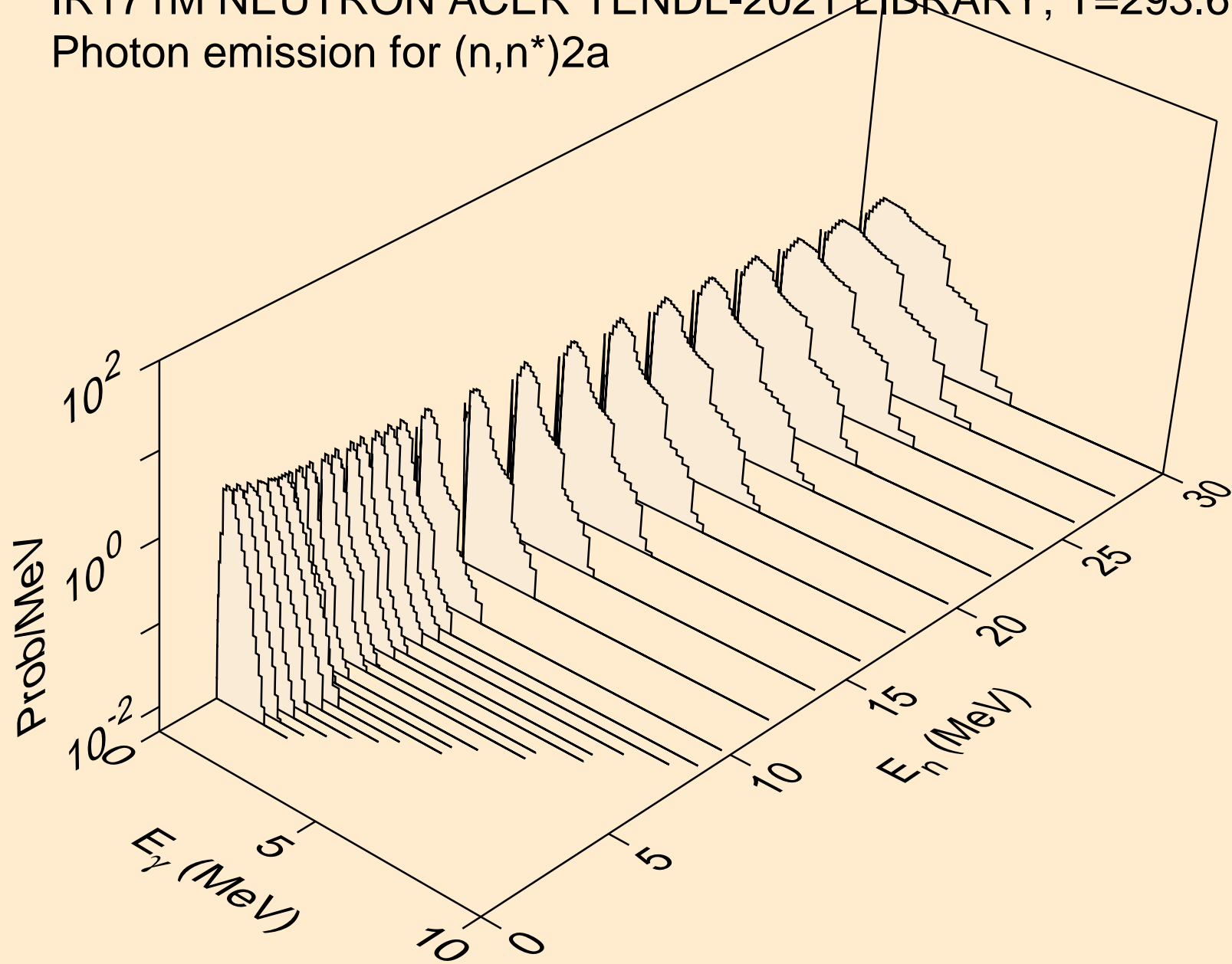
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Photon emission for (n,3n)a



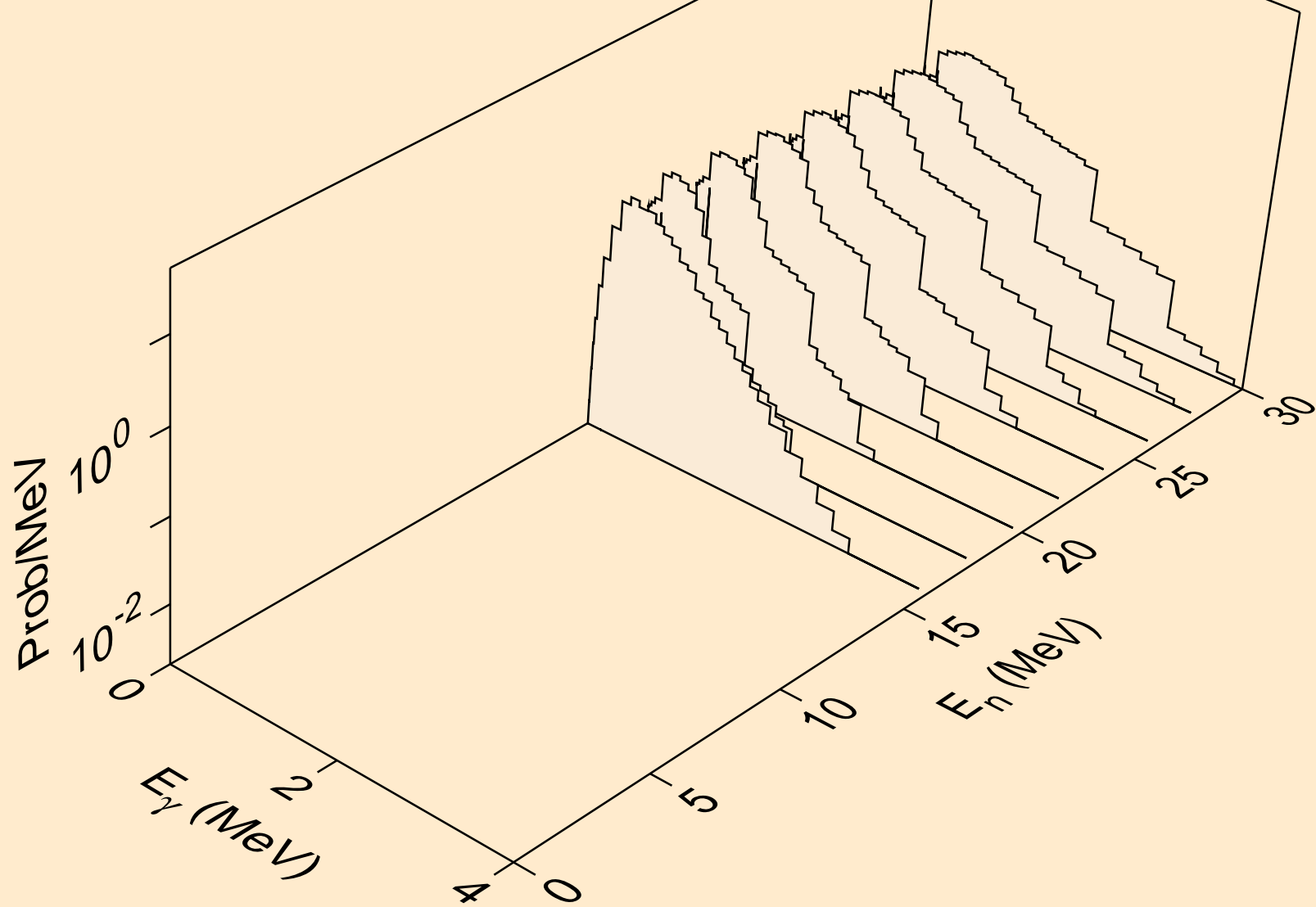
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Photon emission for (n,n\*)p



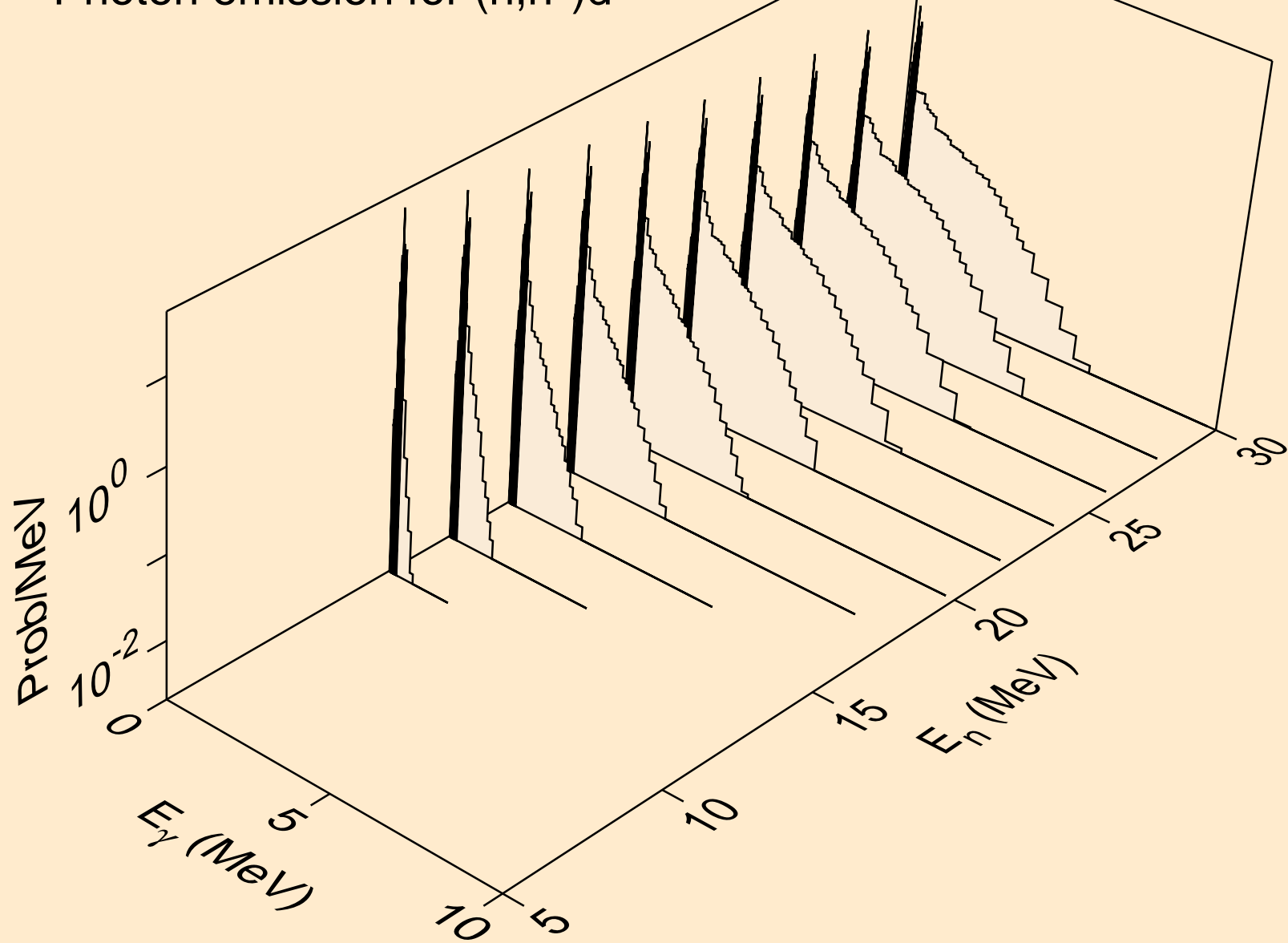
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Photon emission for (n,n\*)2a



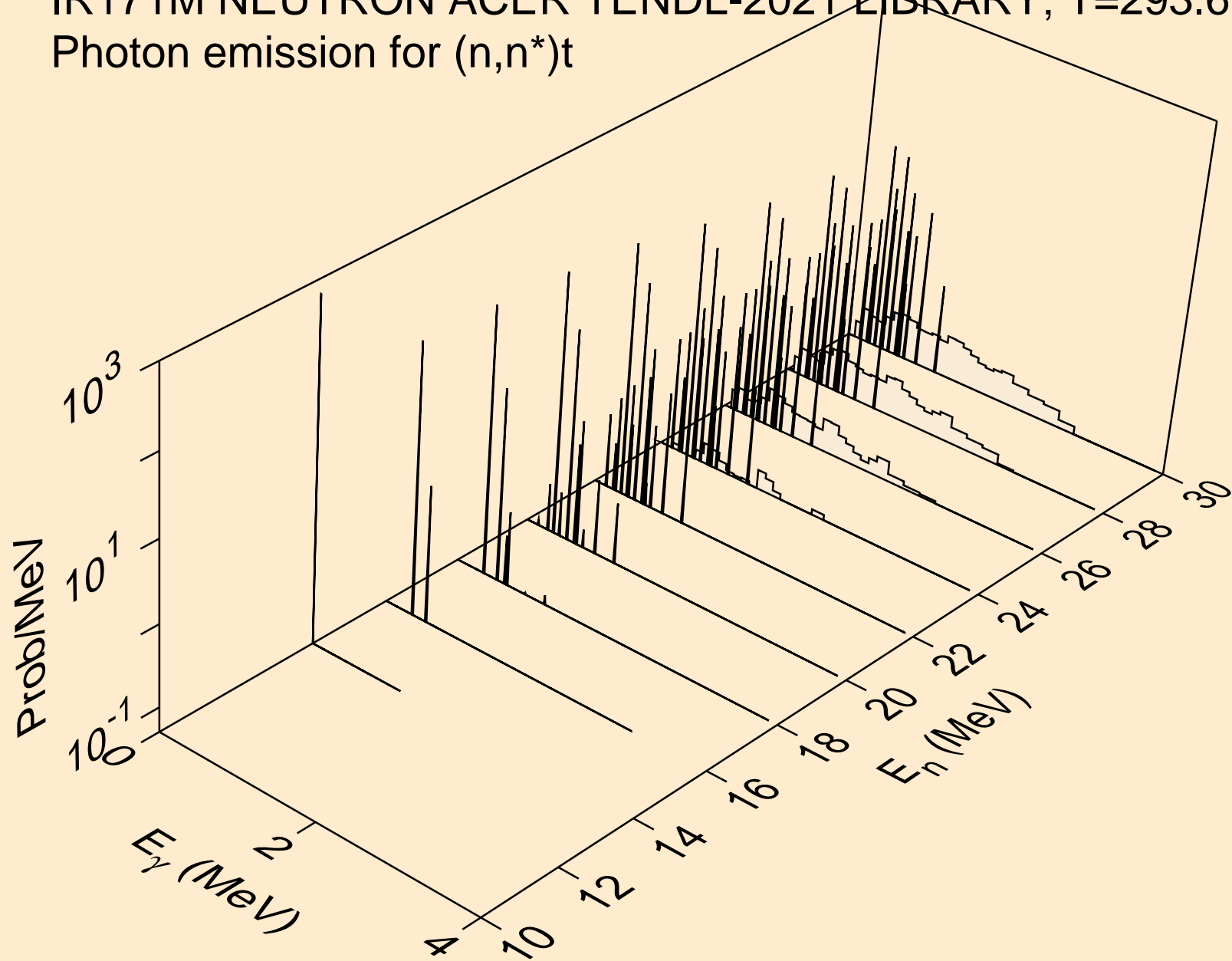
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Photon emission for (n,2n)2a



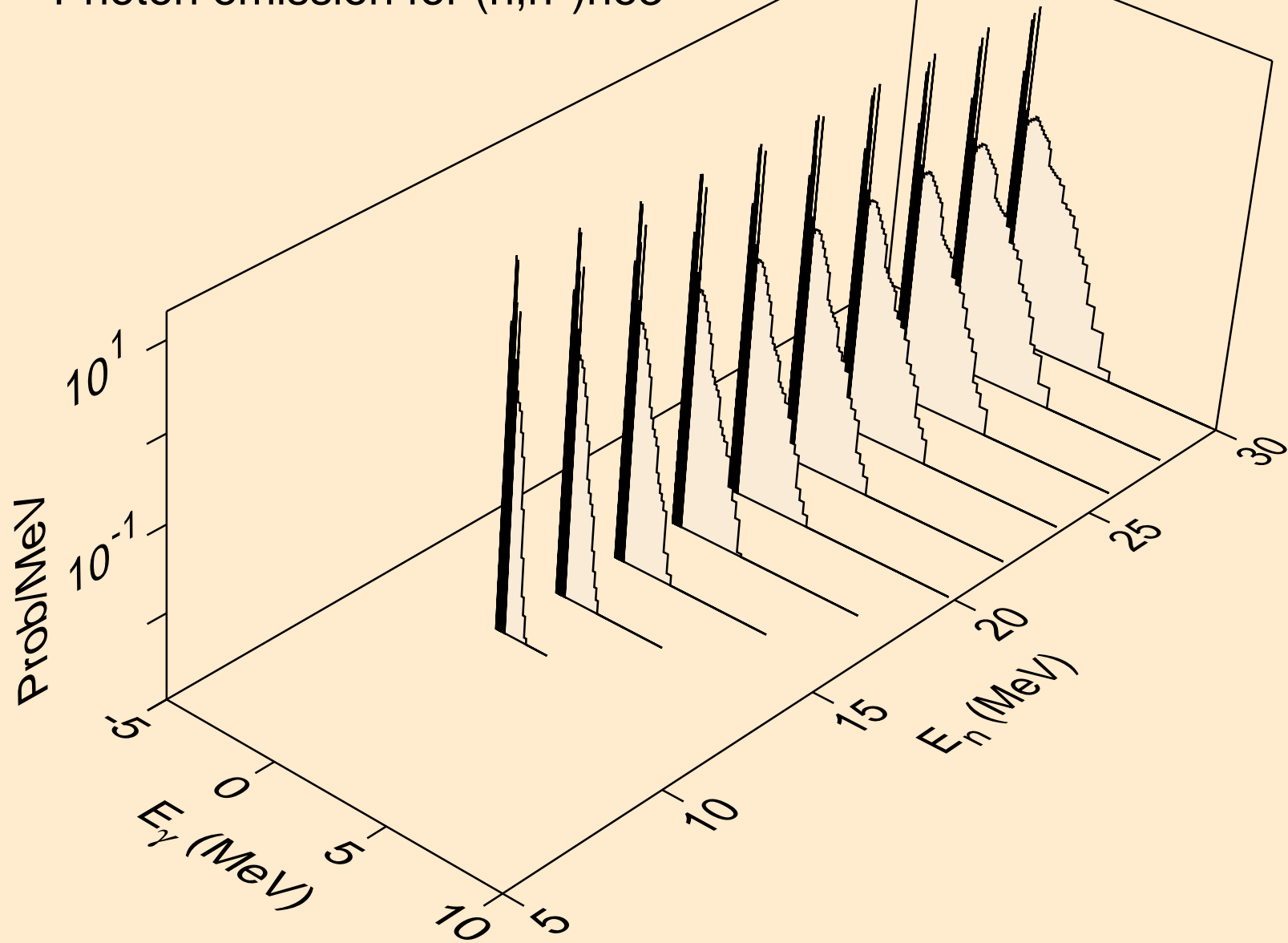
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

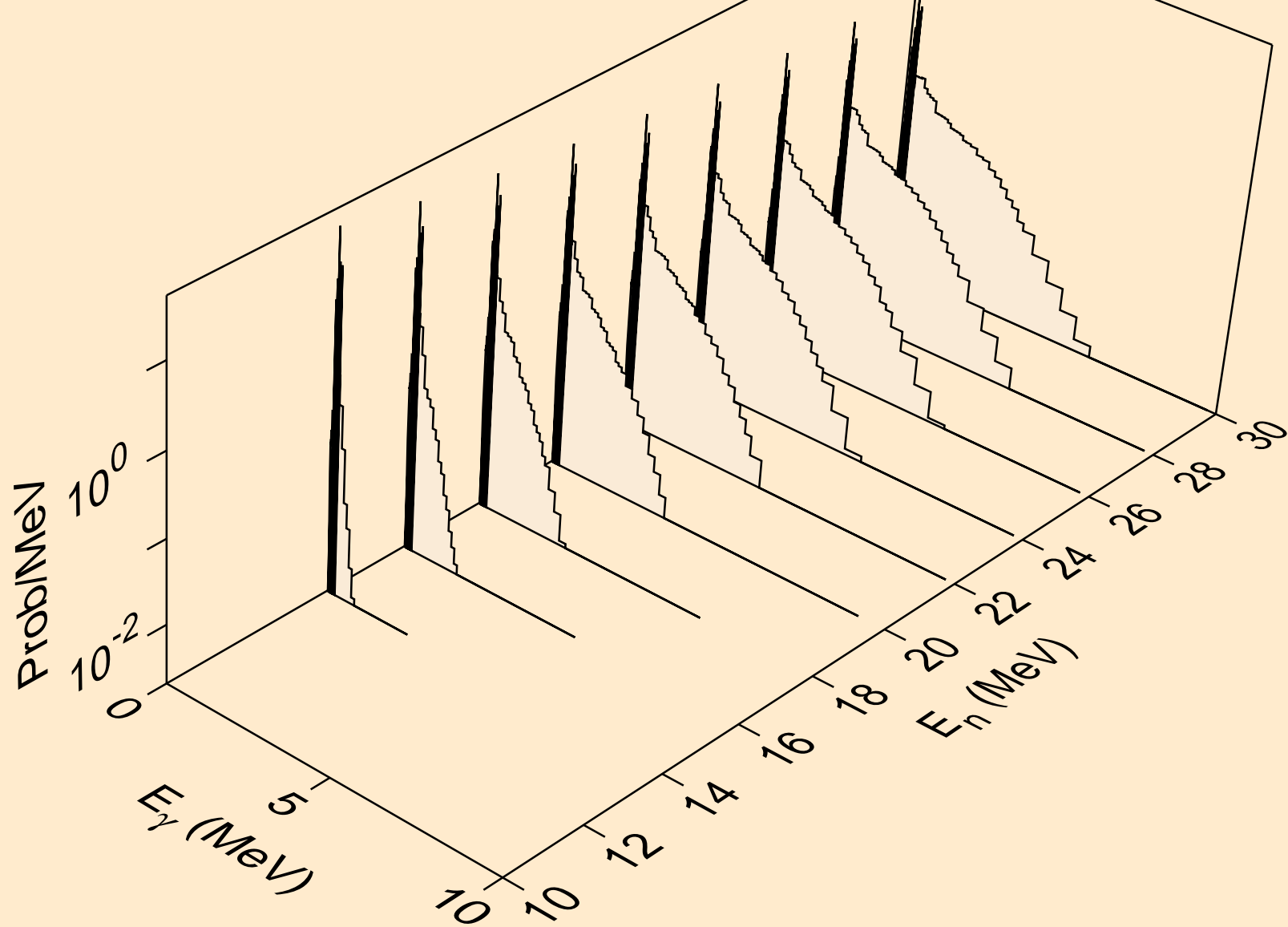


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

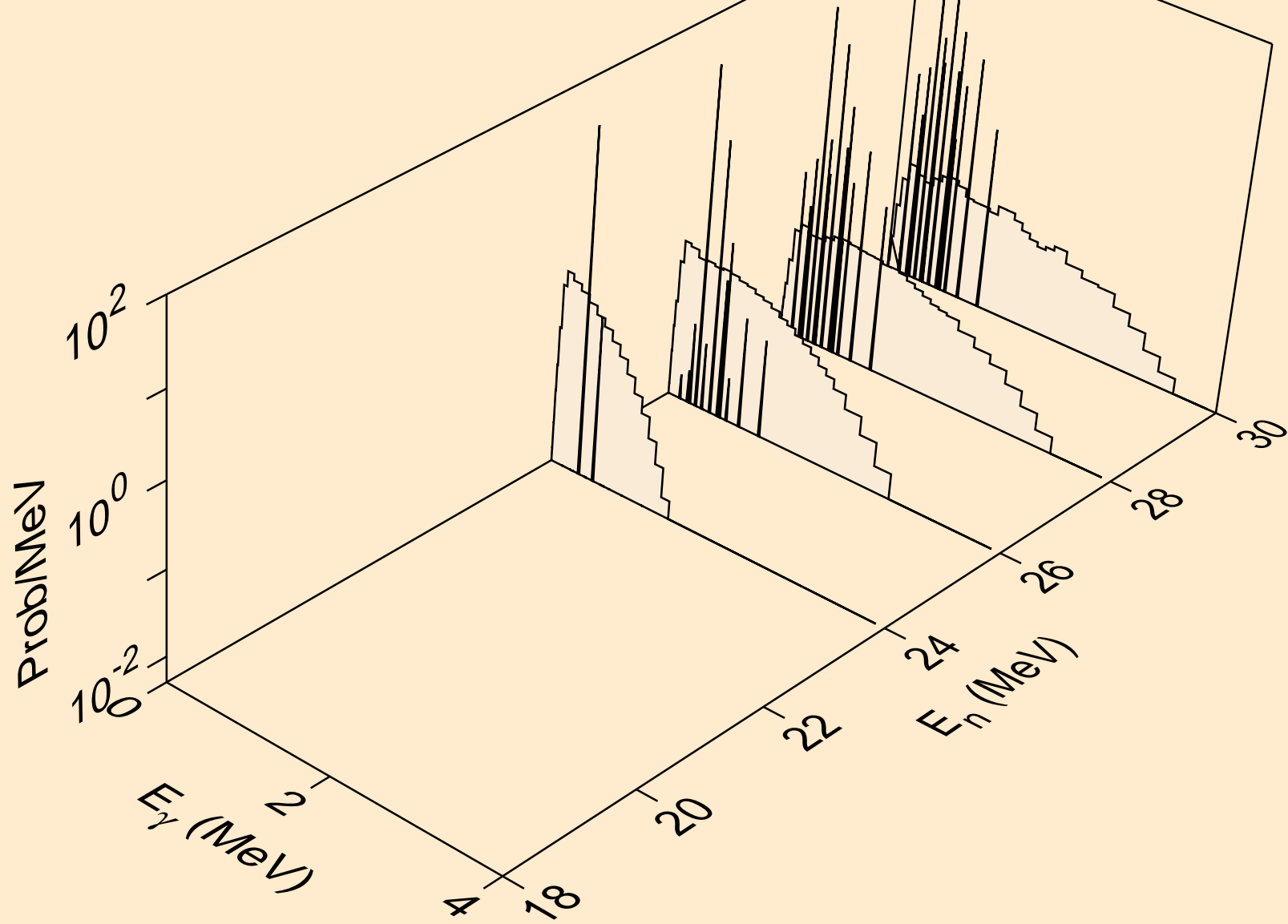




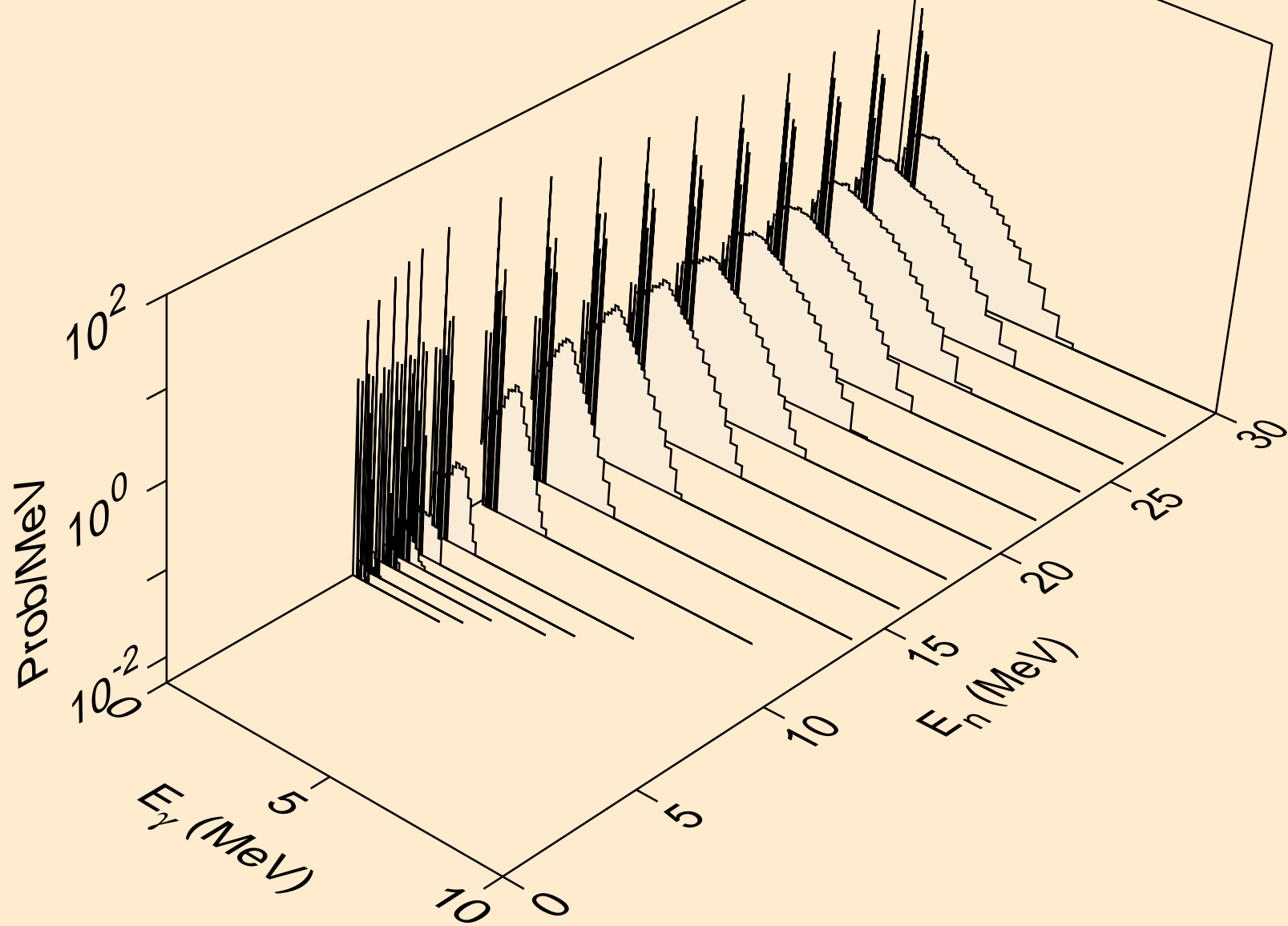
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



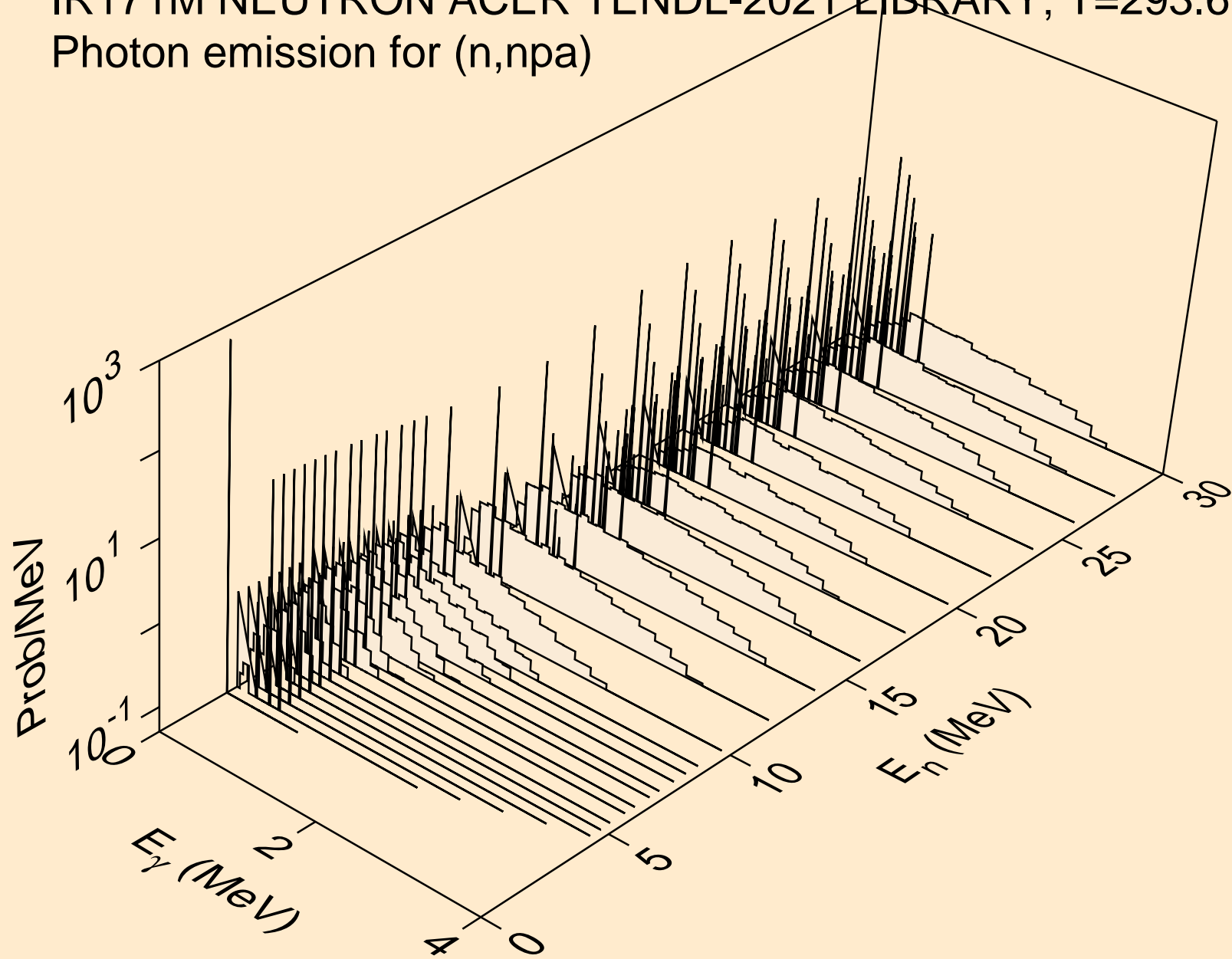
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



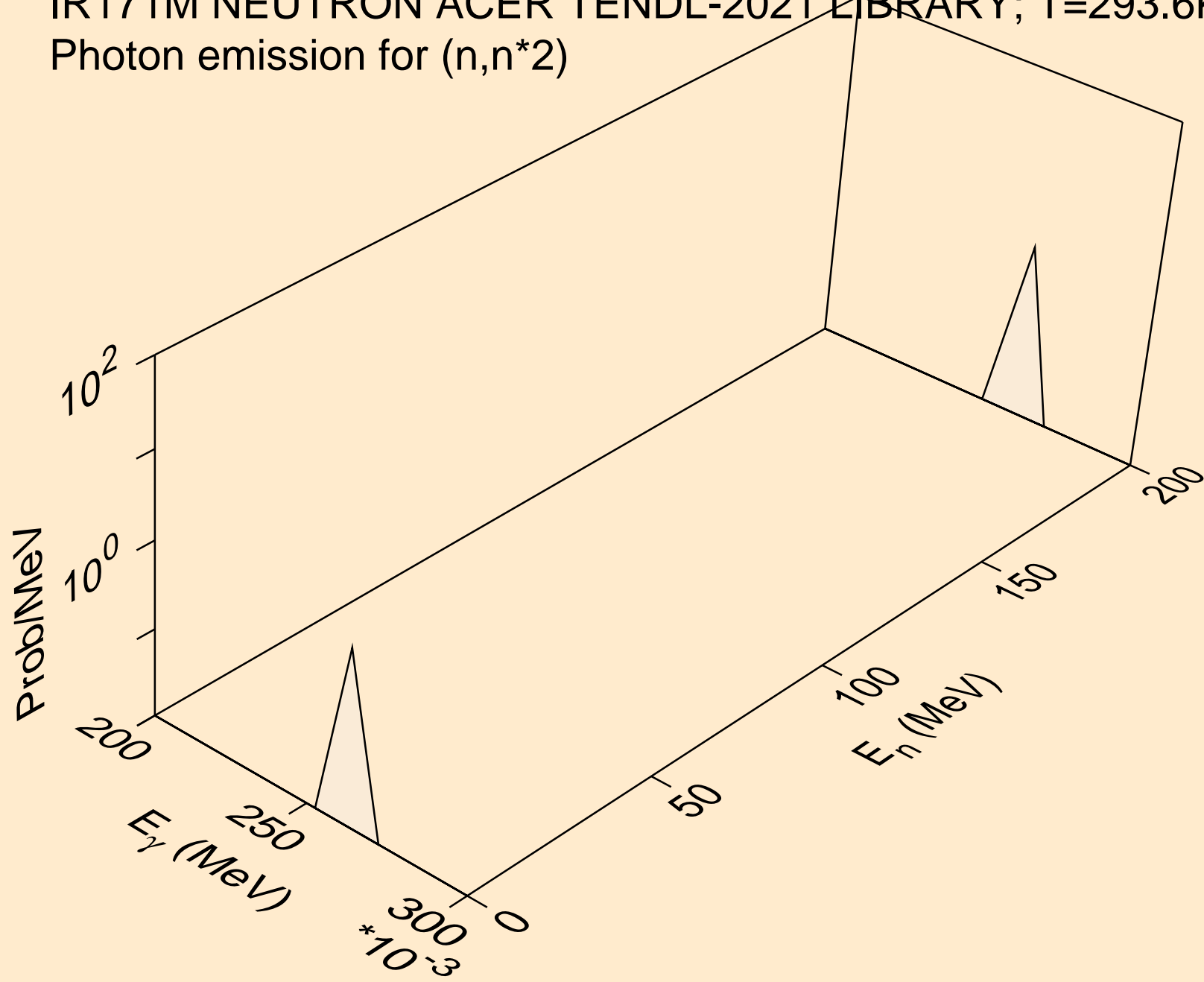
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Photon emission for (n,2np)



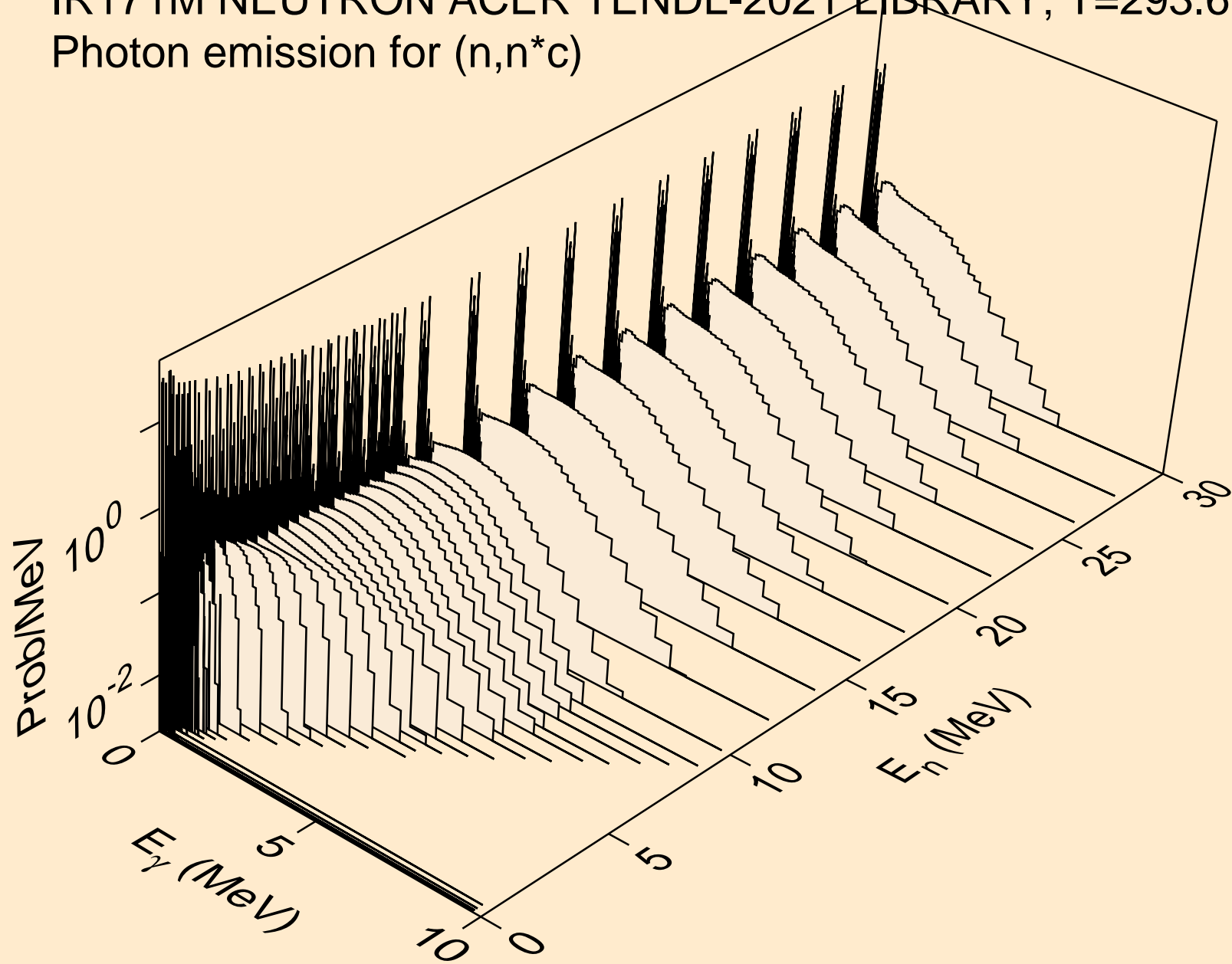
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



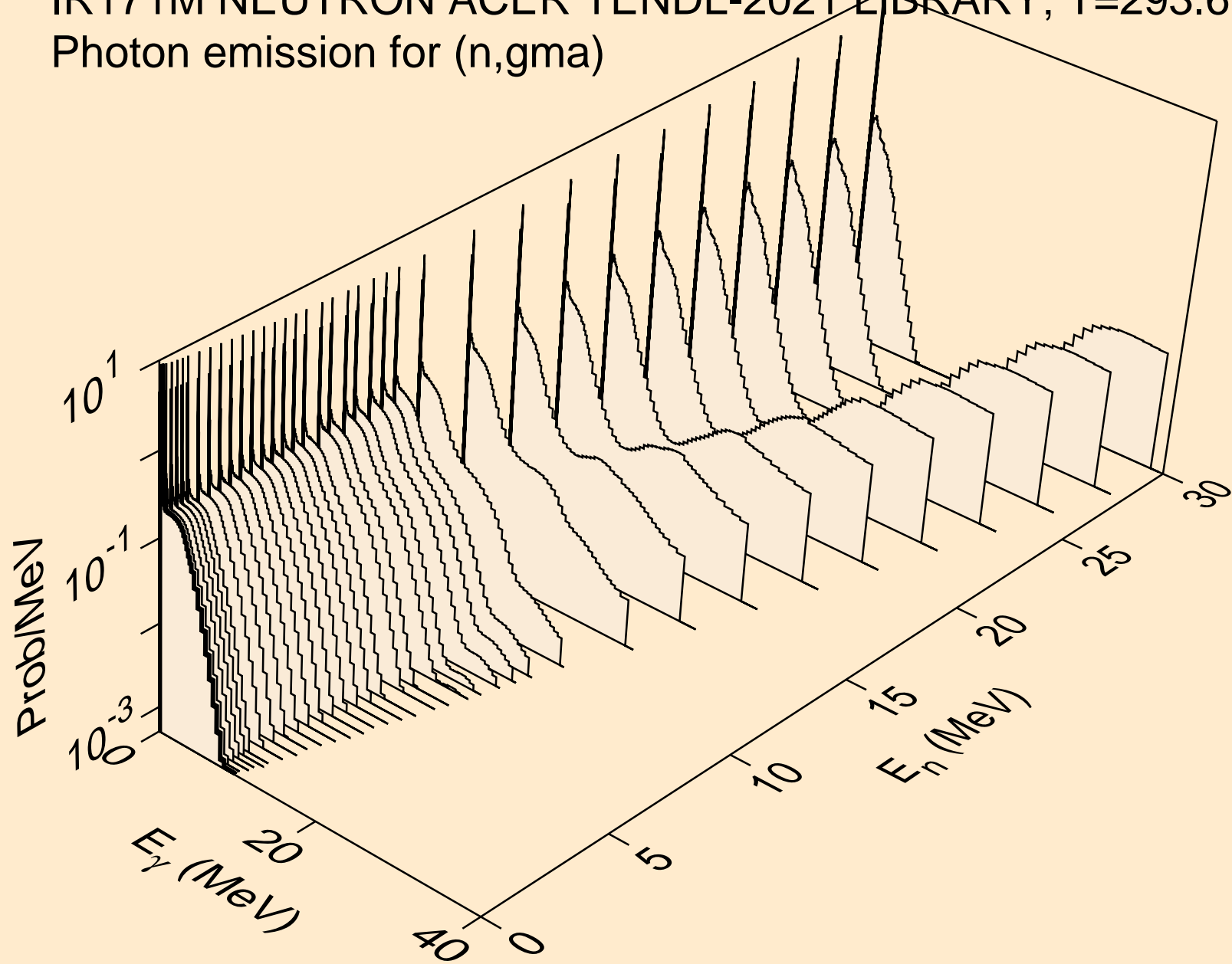
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*2)



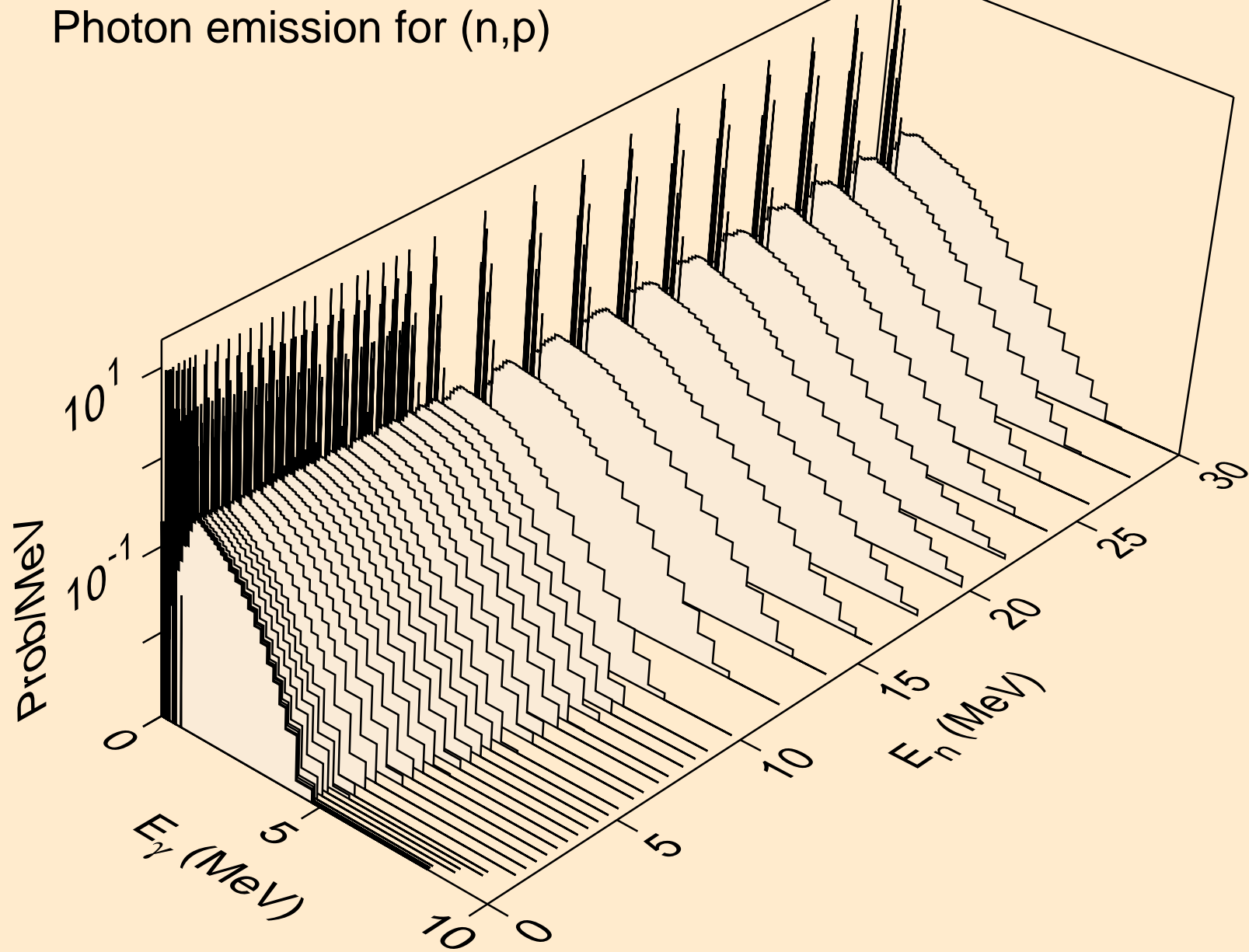
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

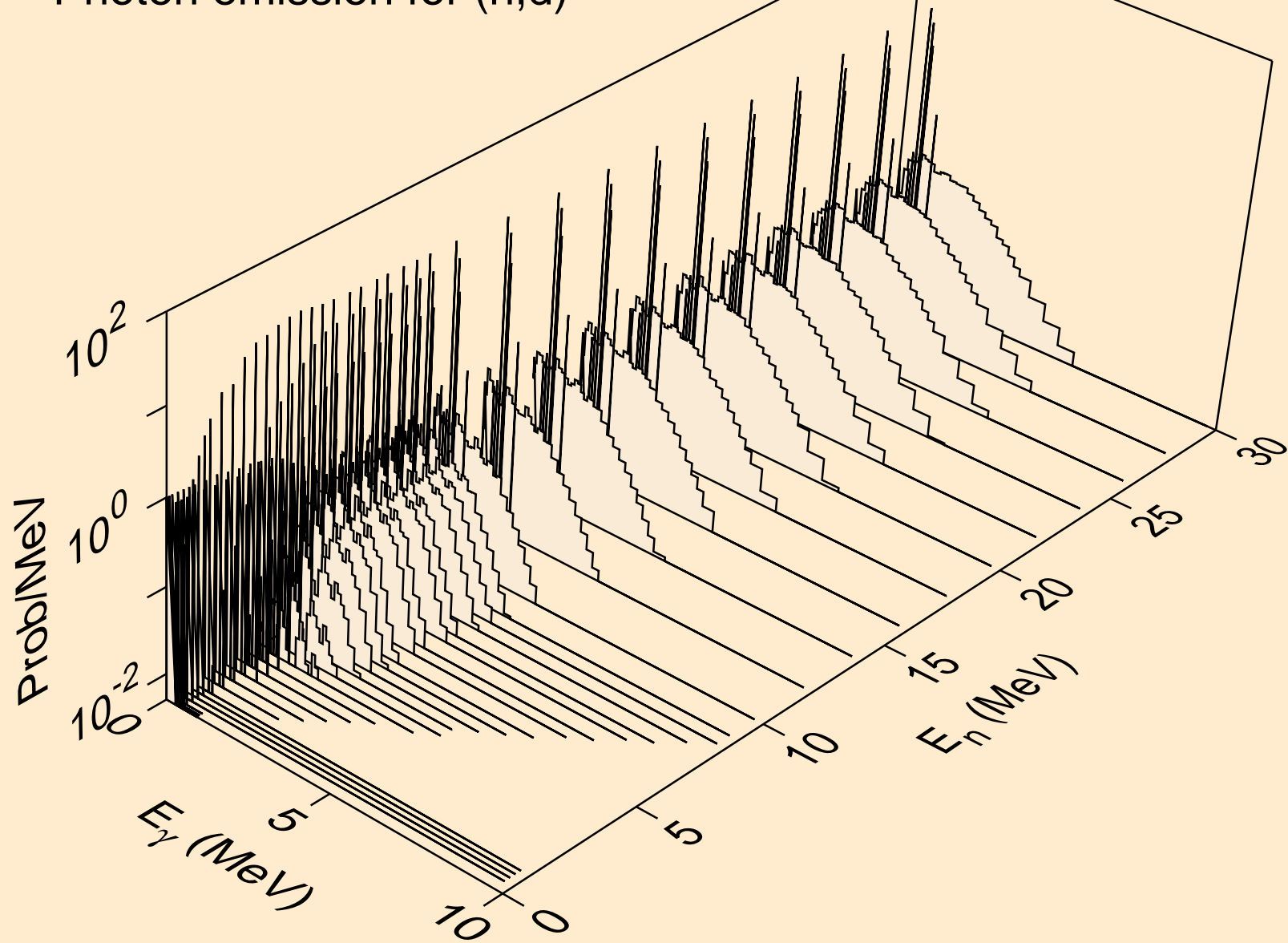


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

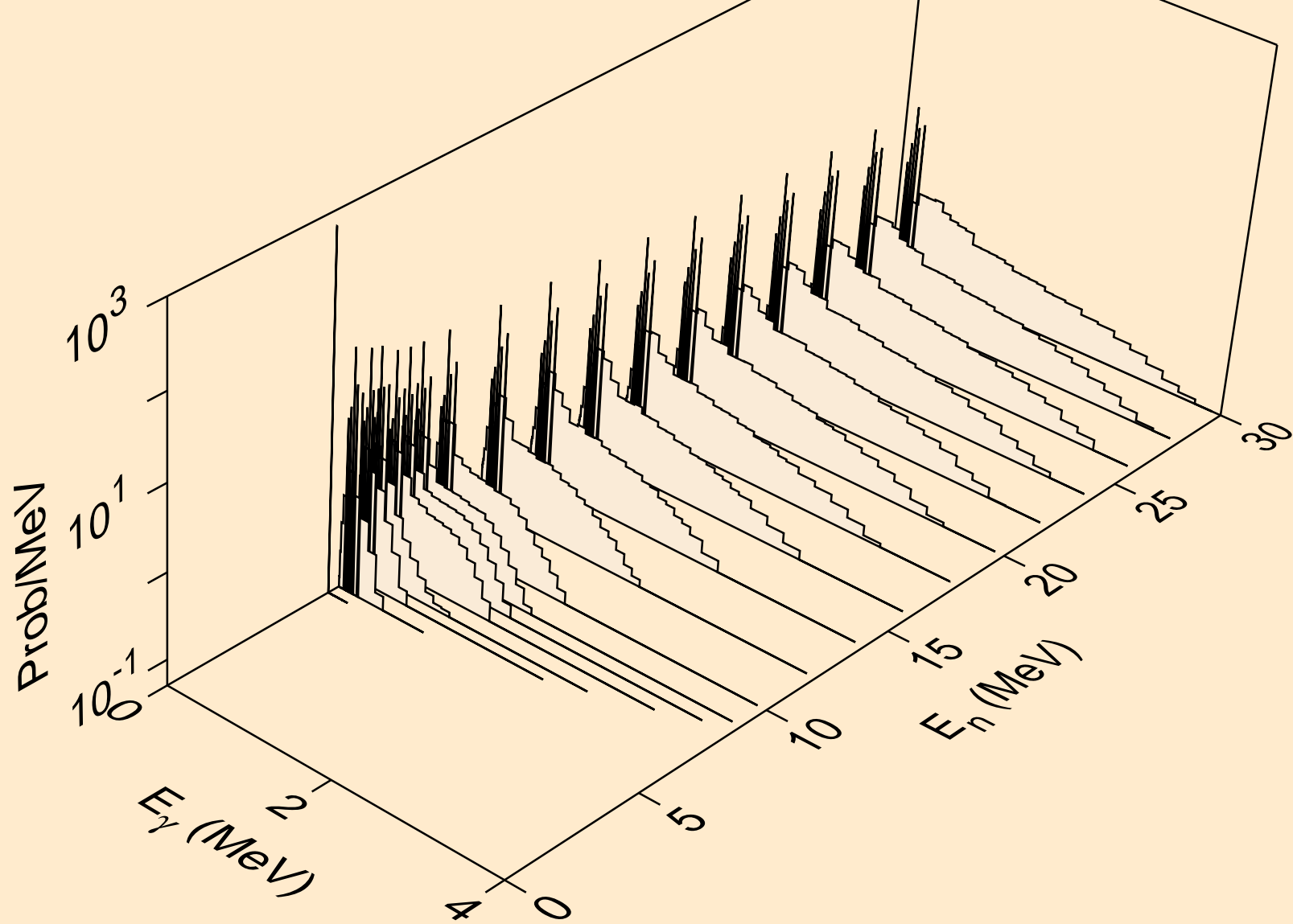




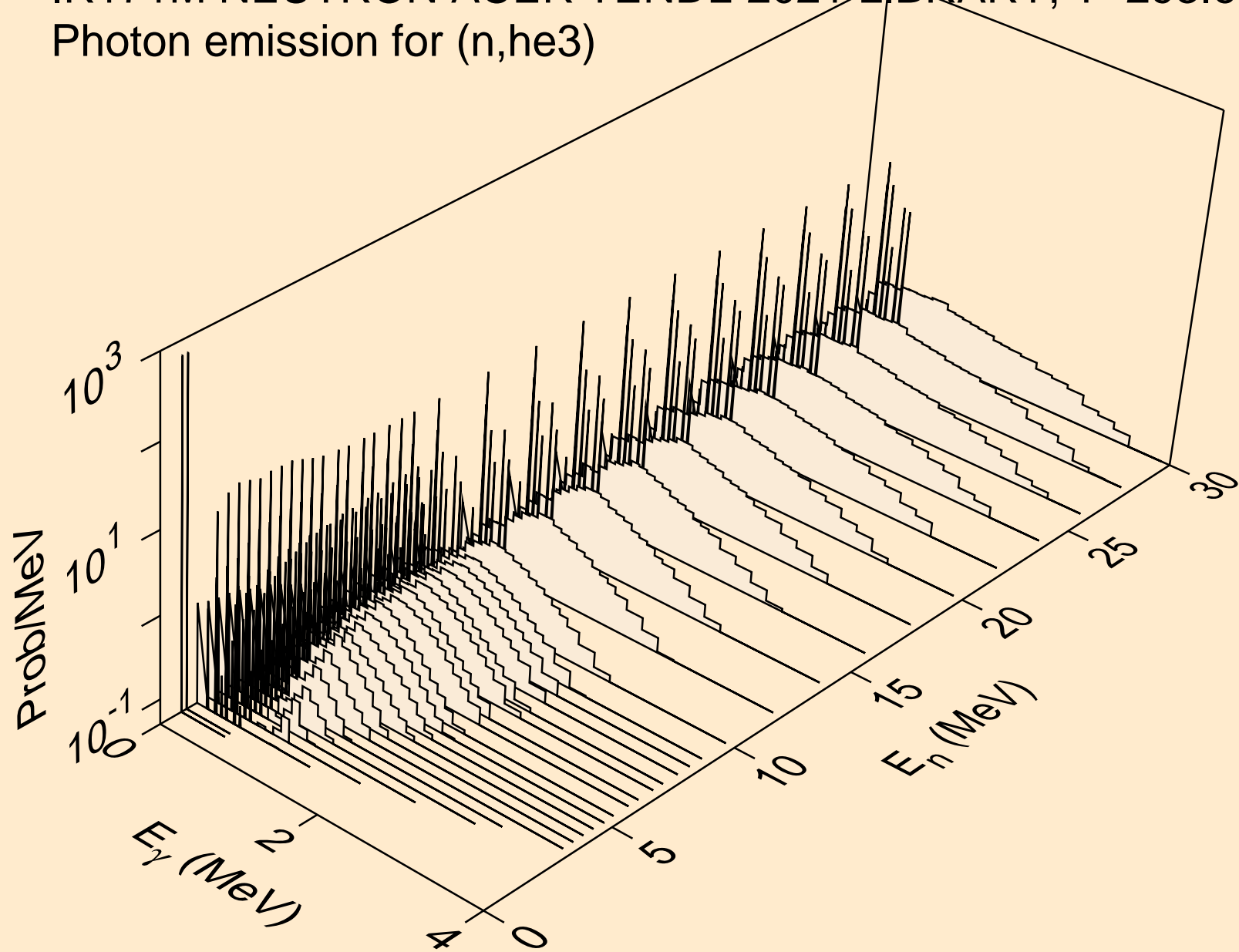
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



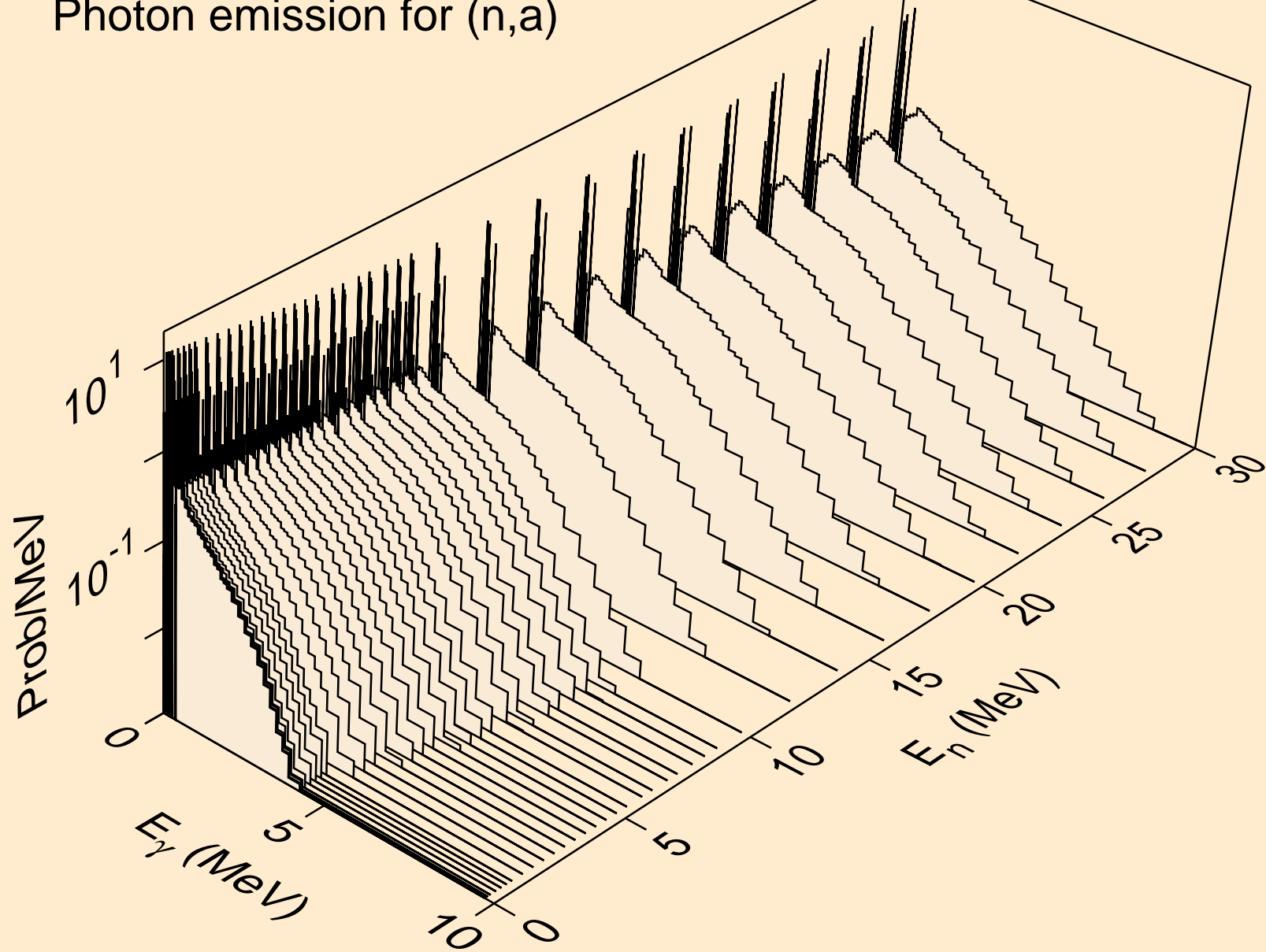
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



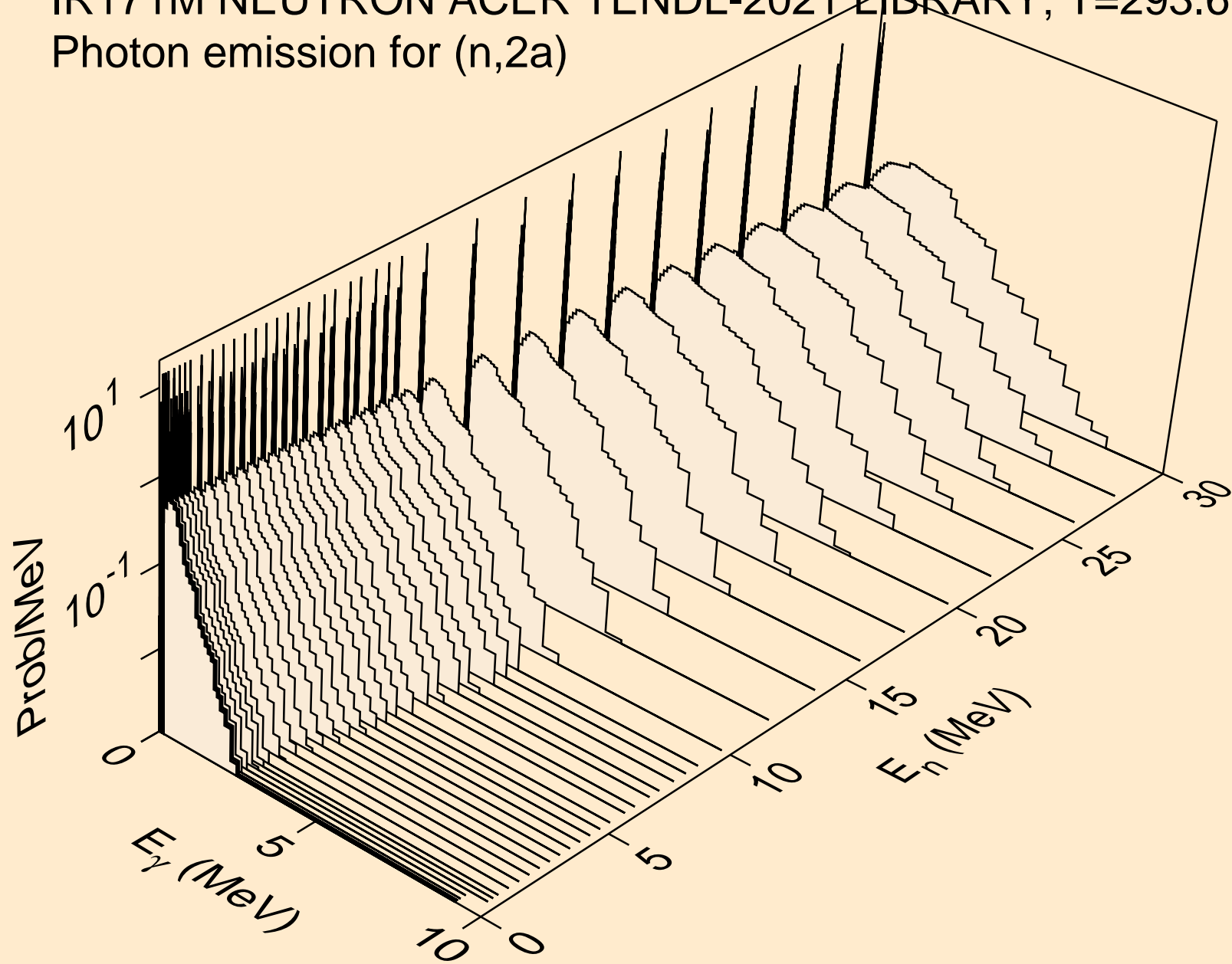
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



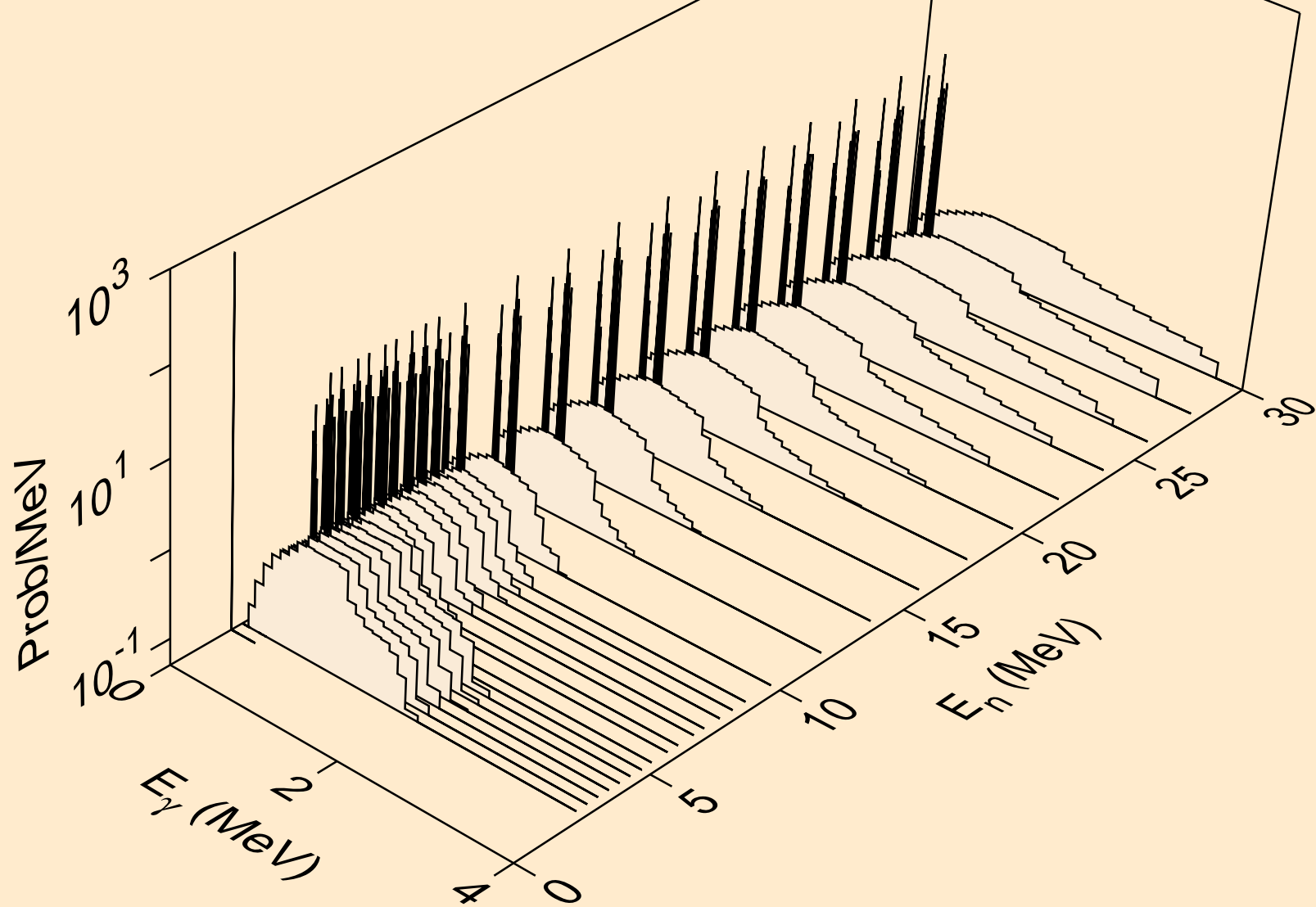
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



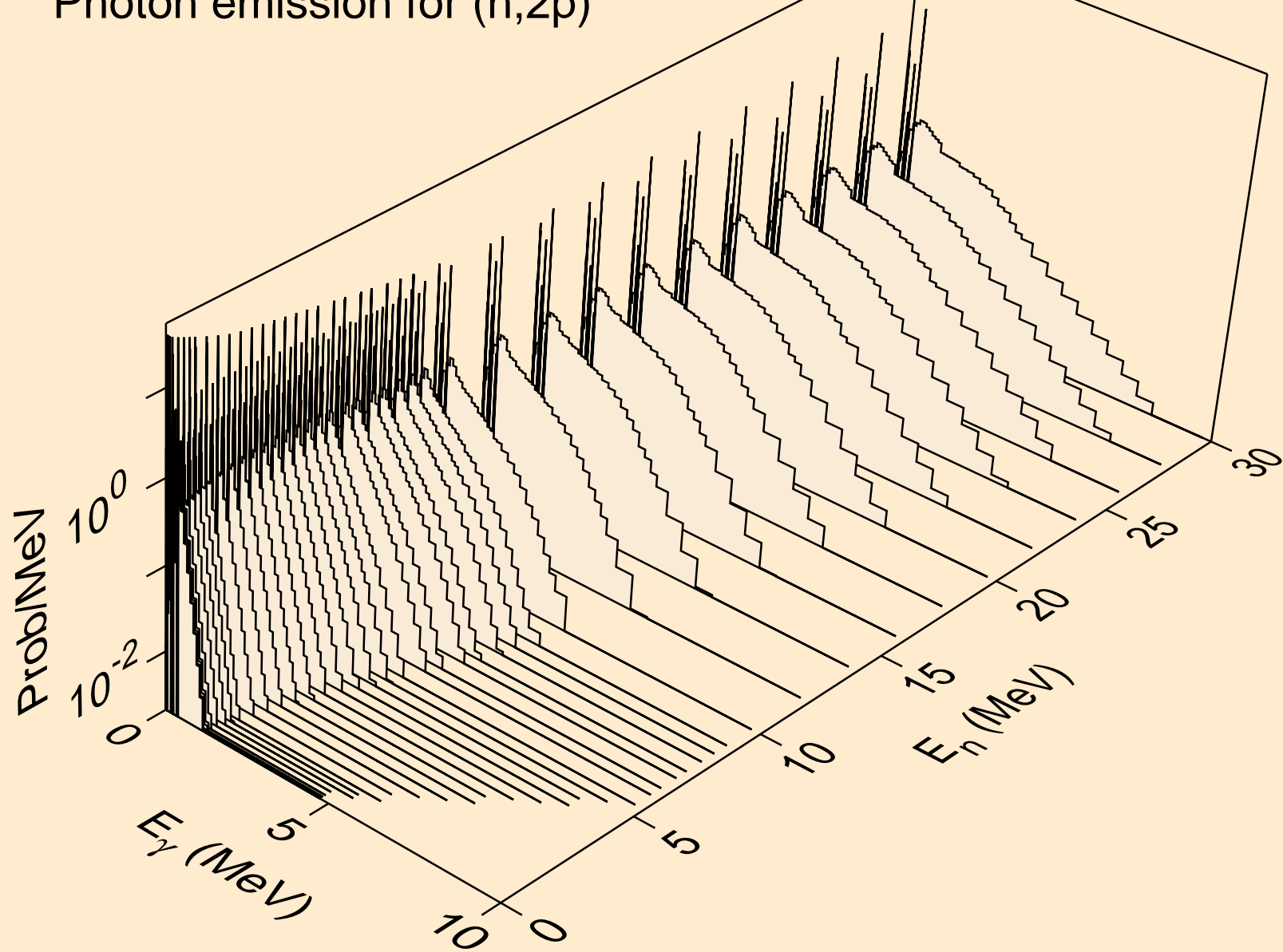
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



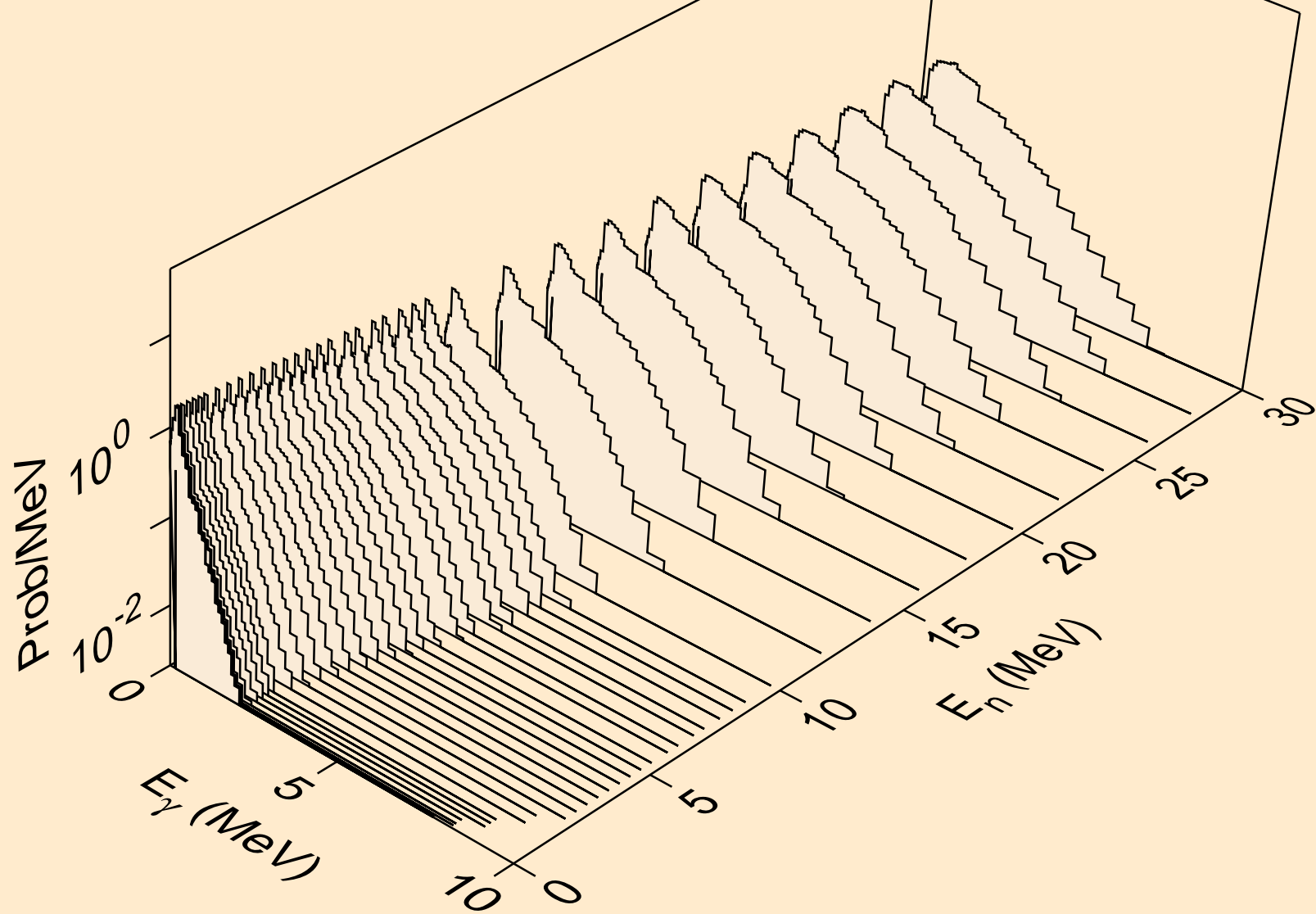
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

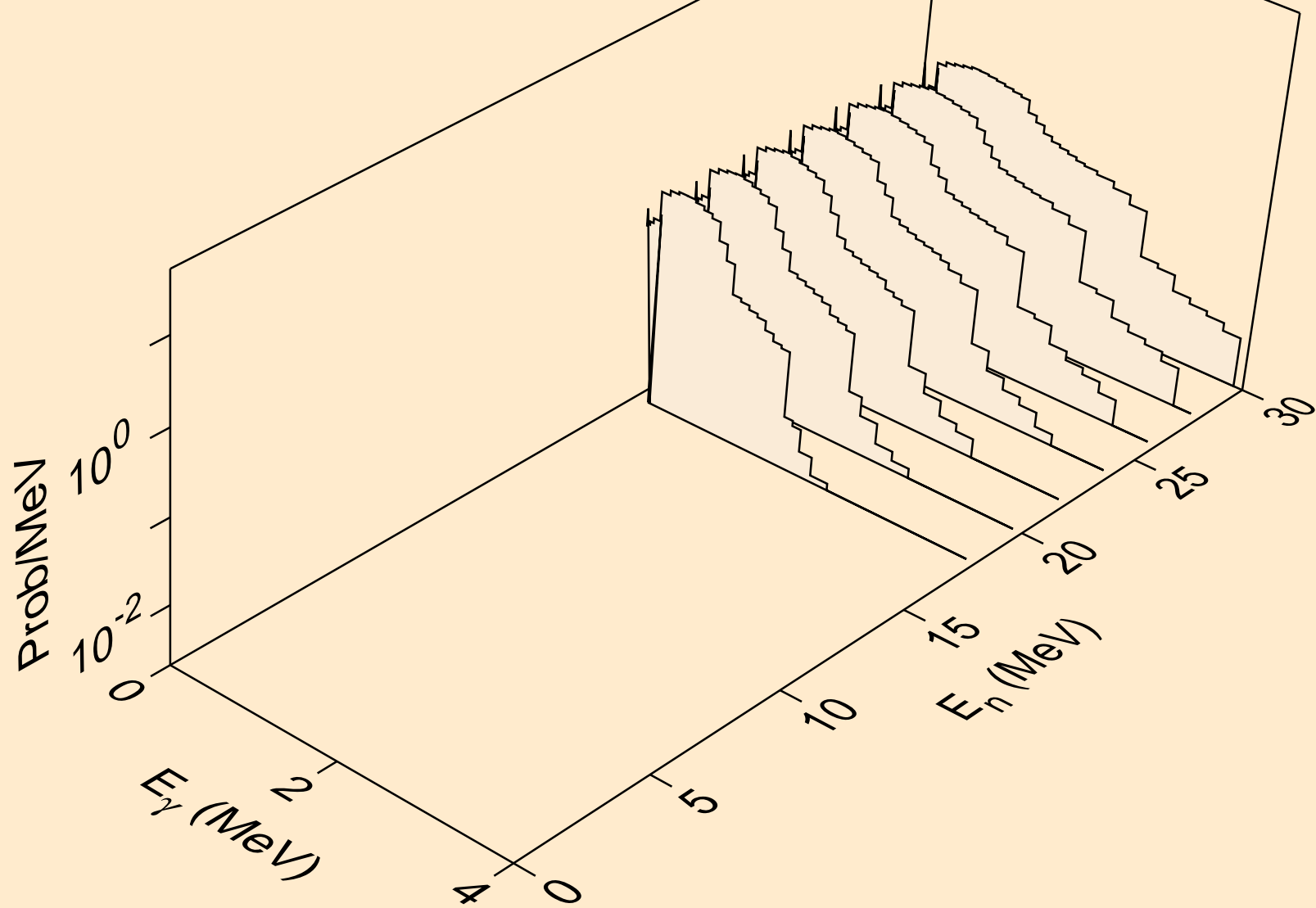


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

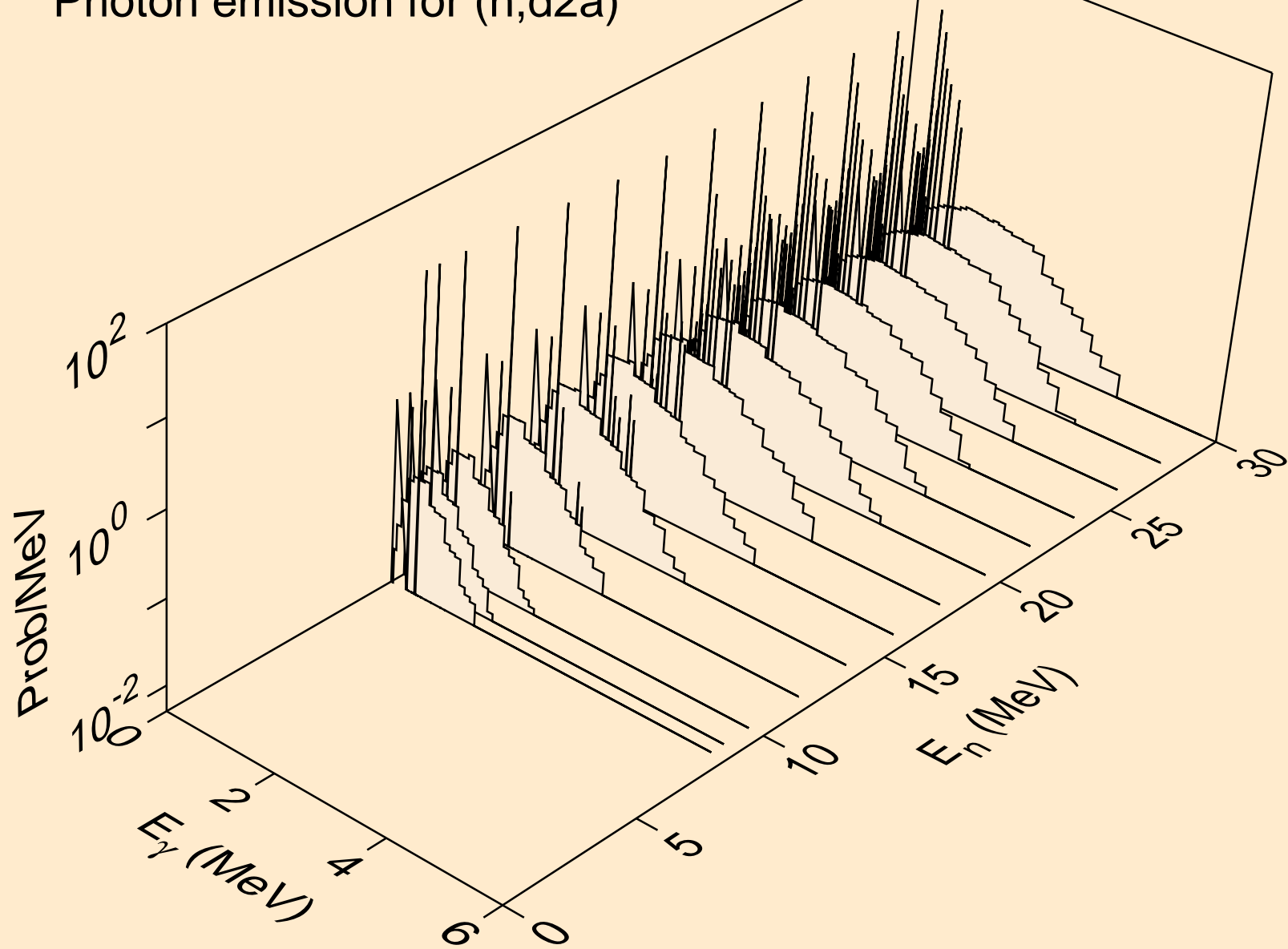




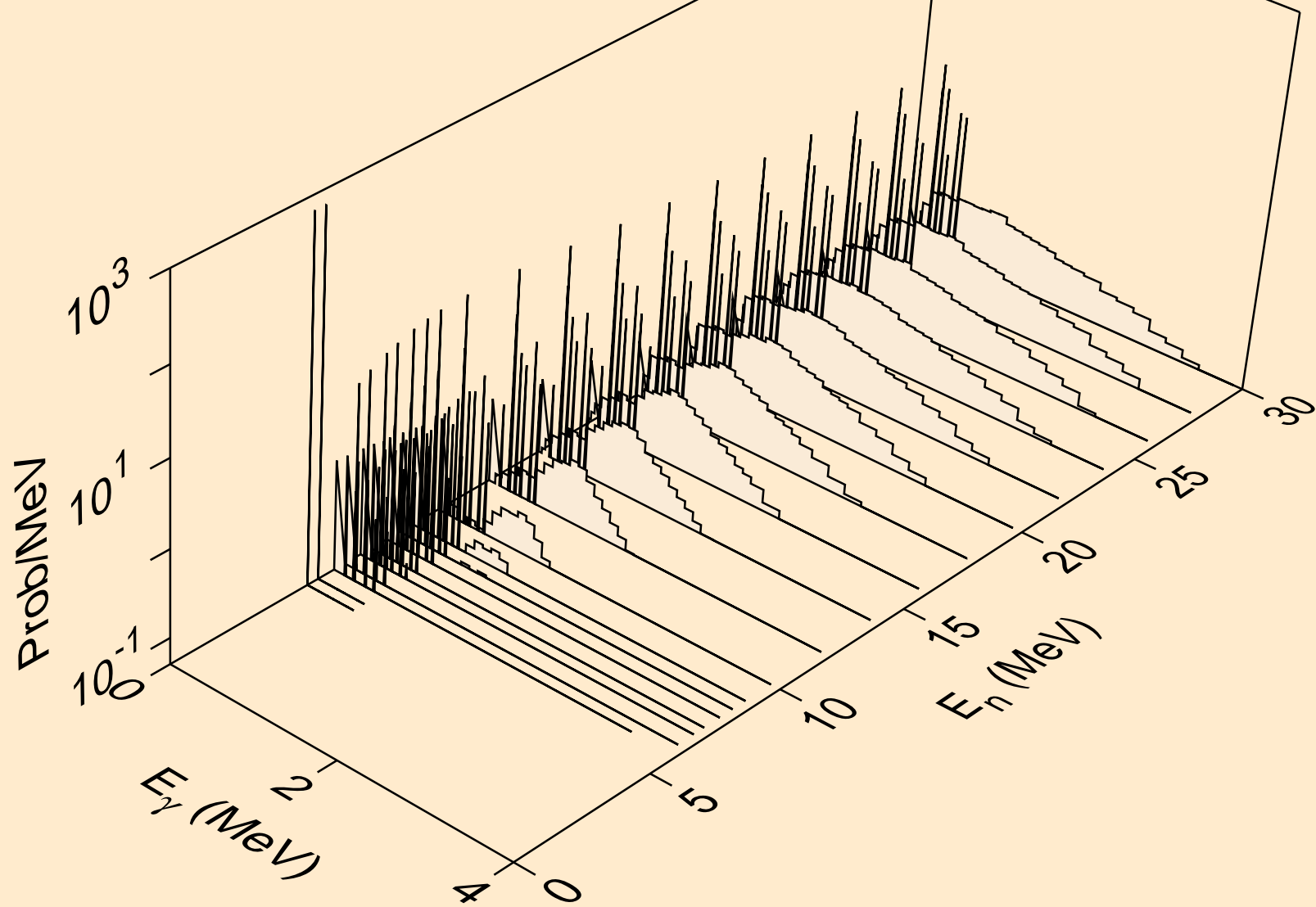
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t2a)



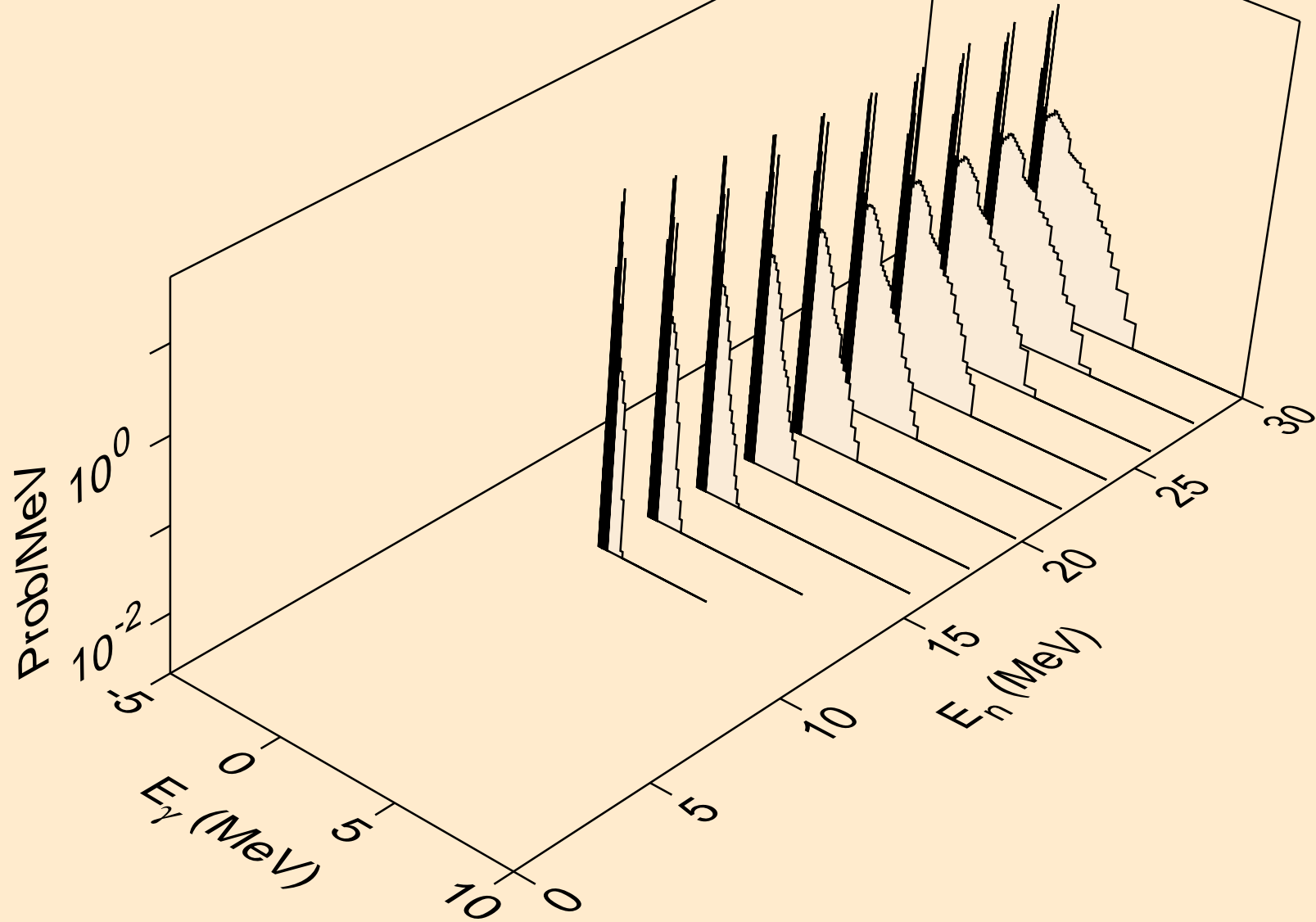
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



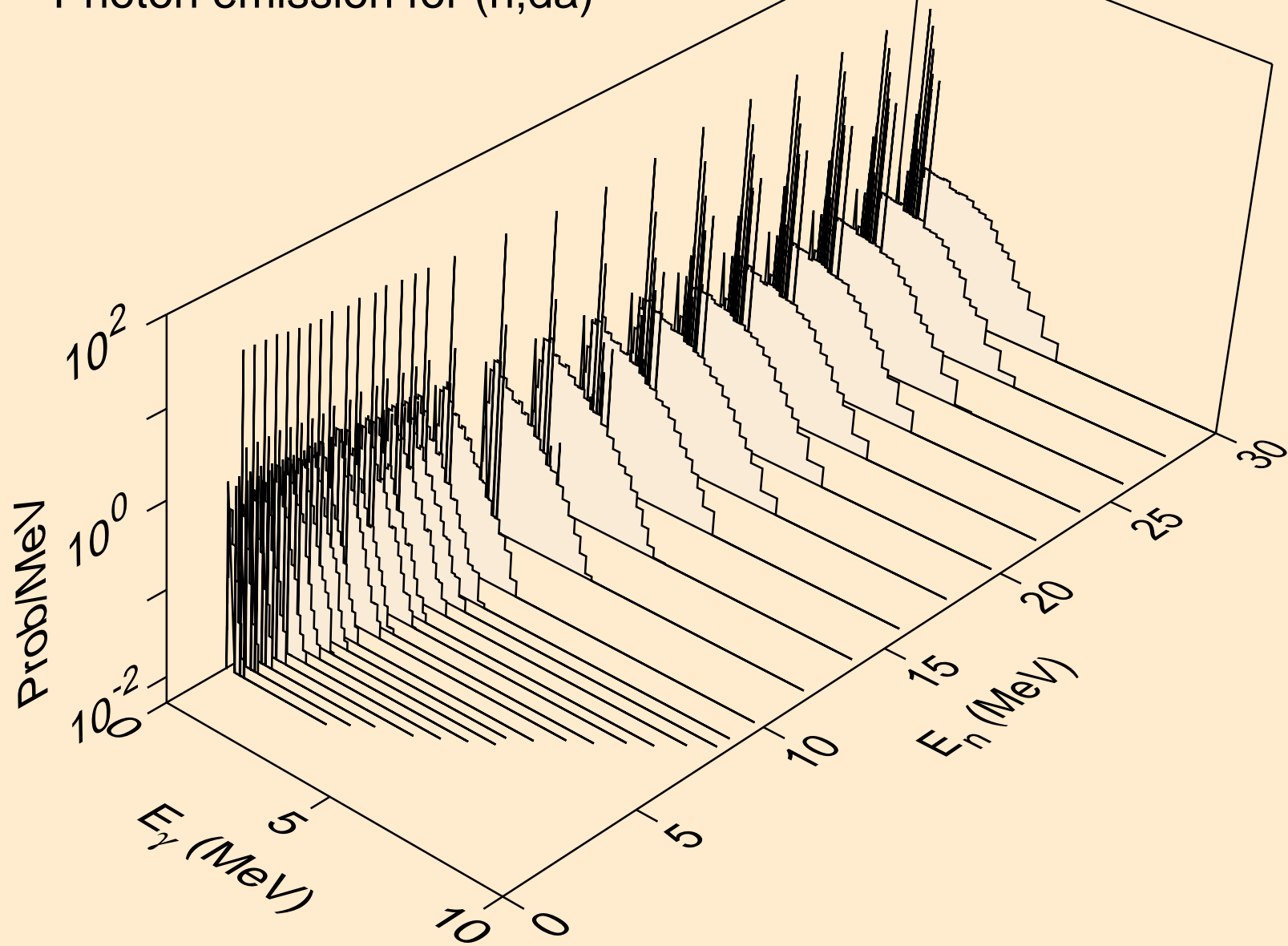
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



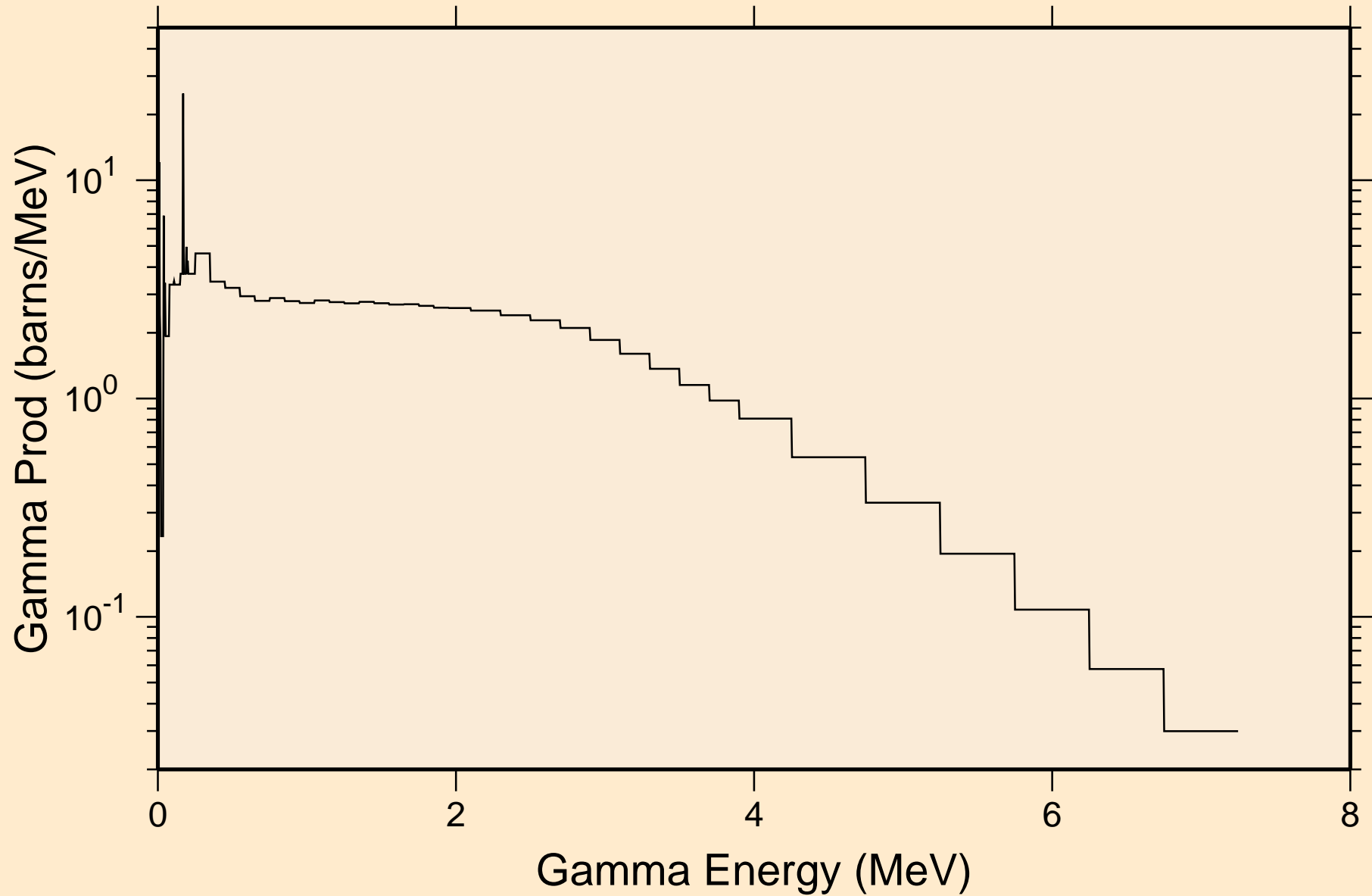
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



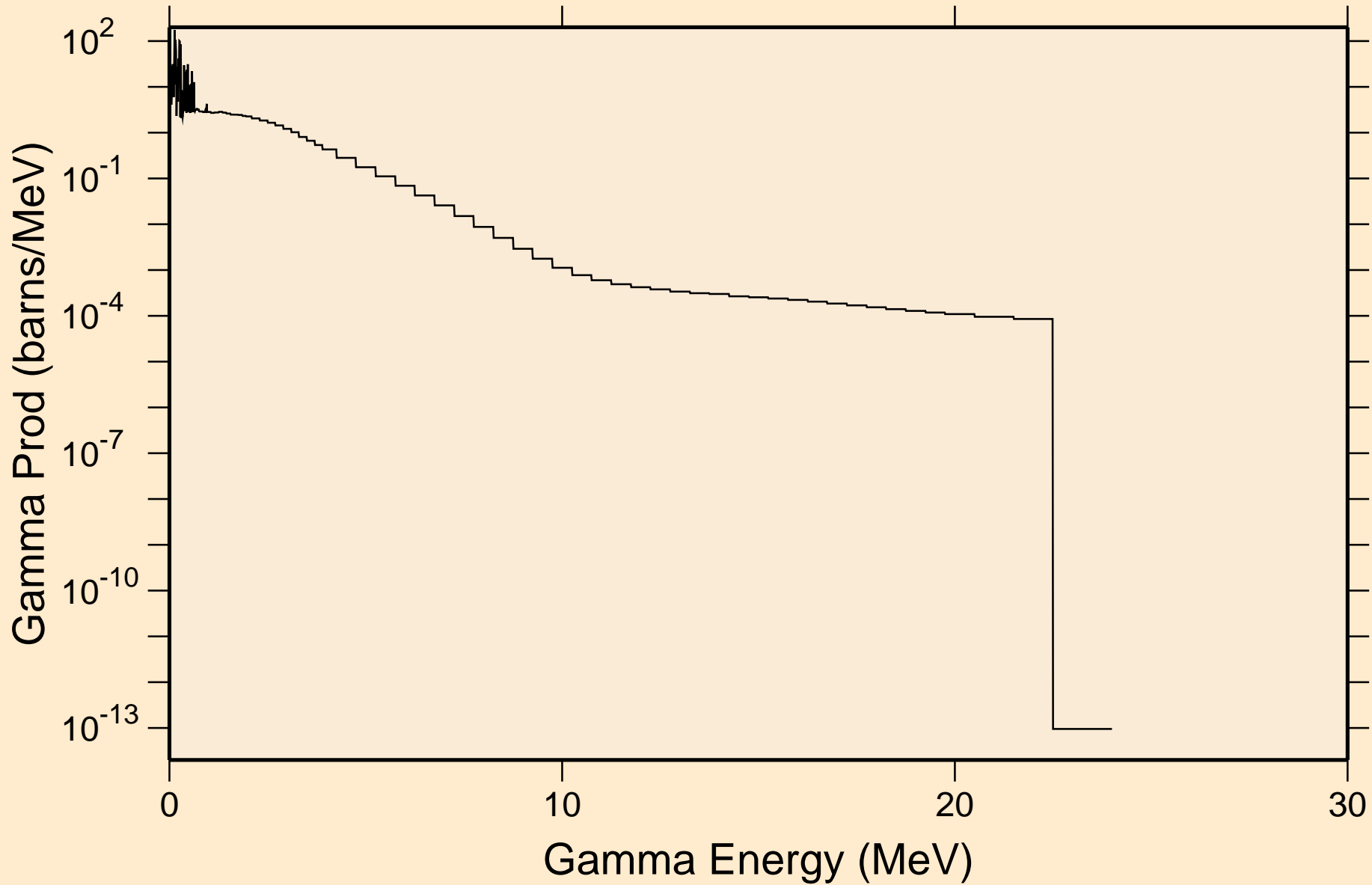
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



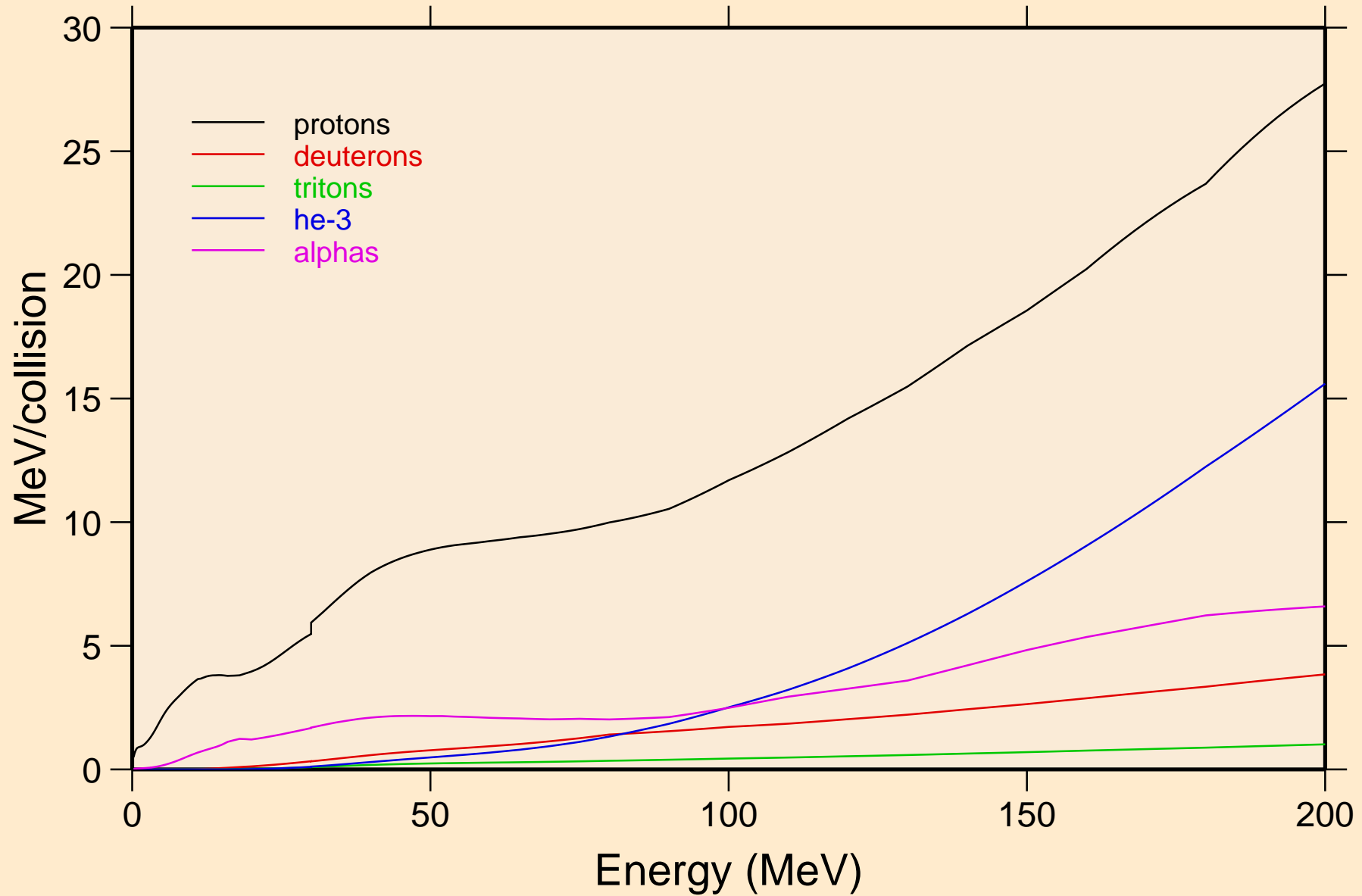
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

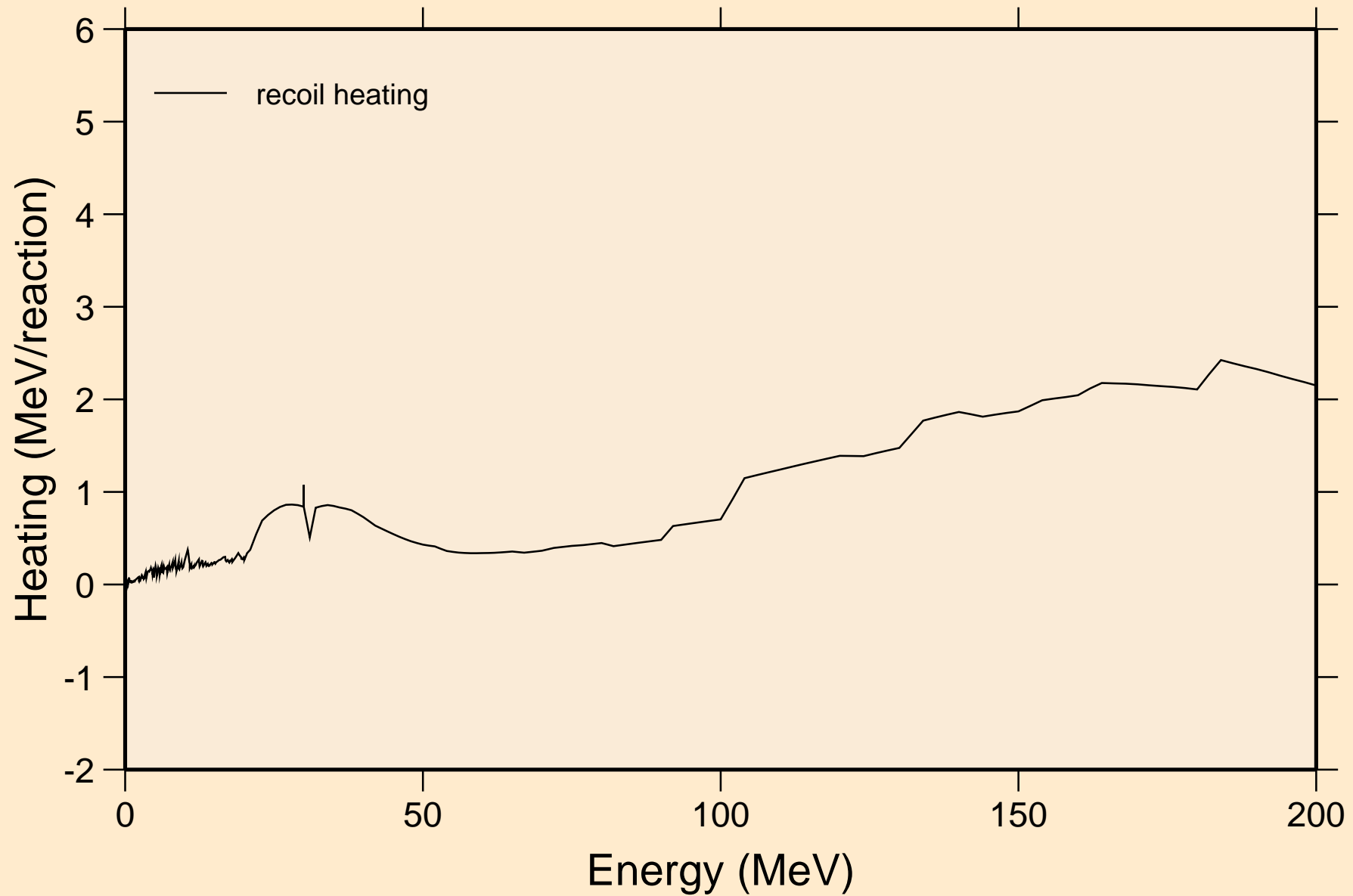


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions

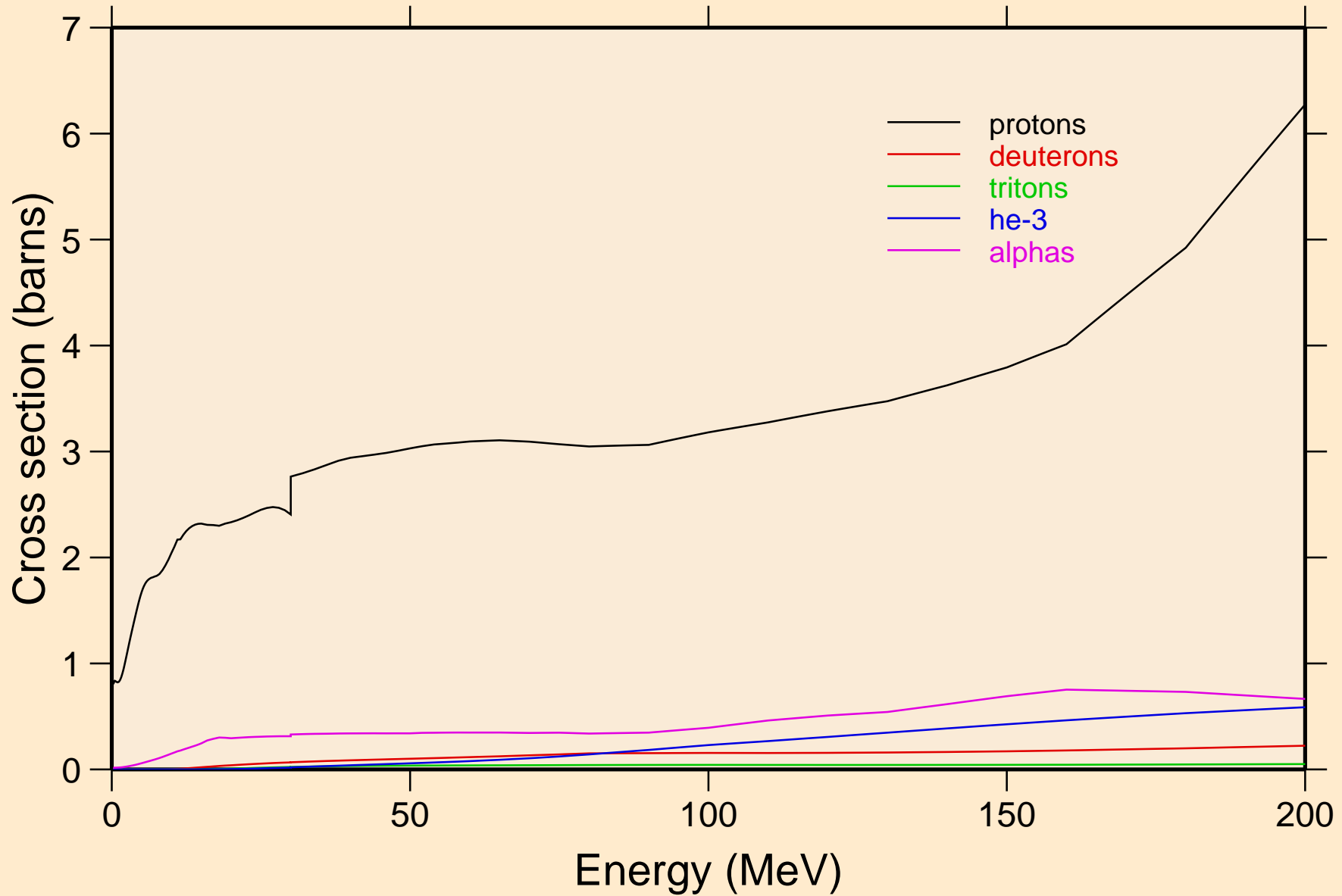




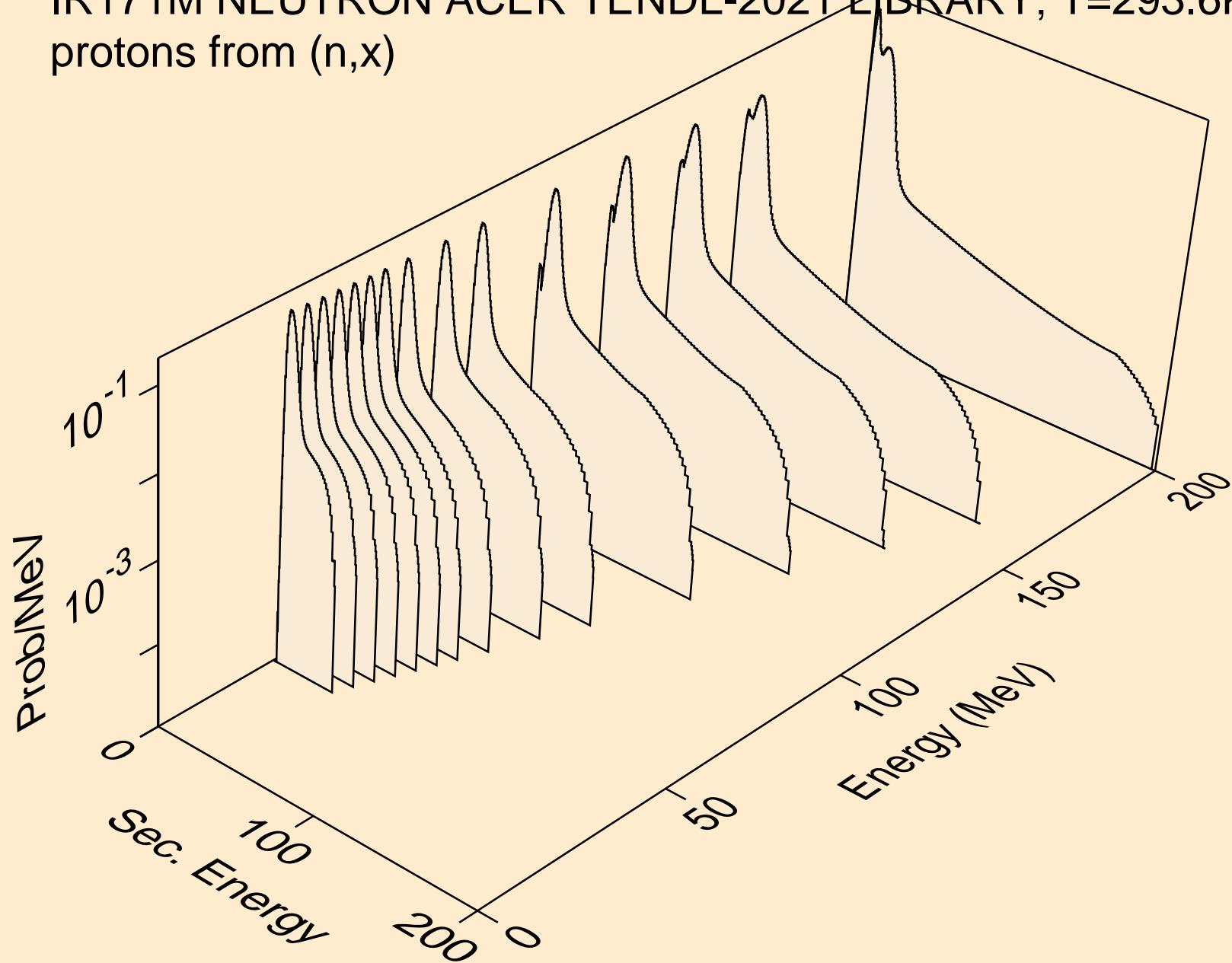
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



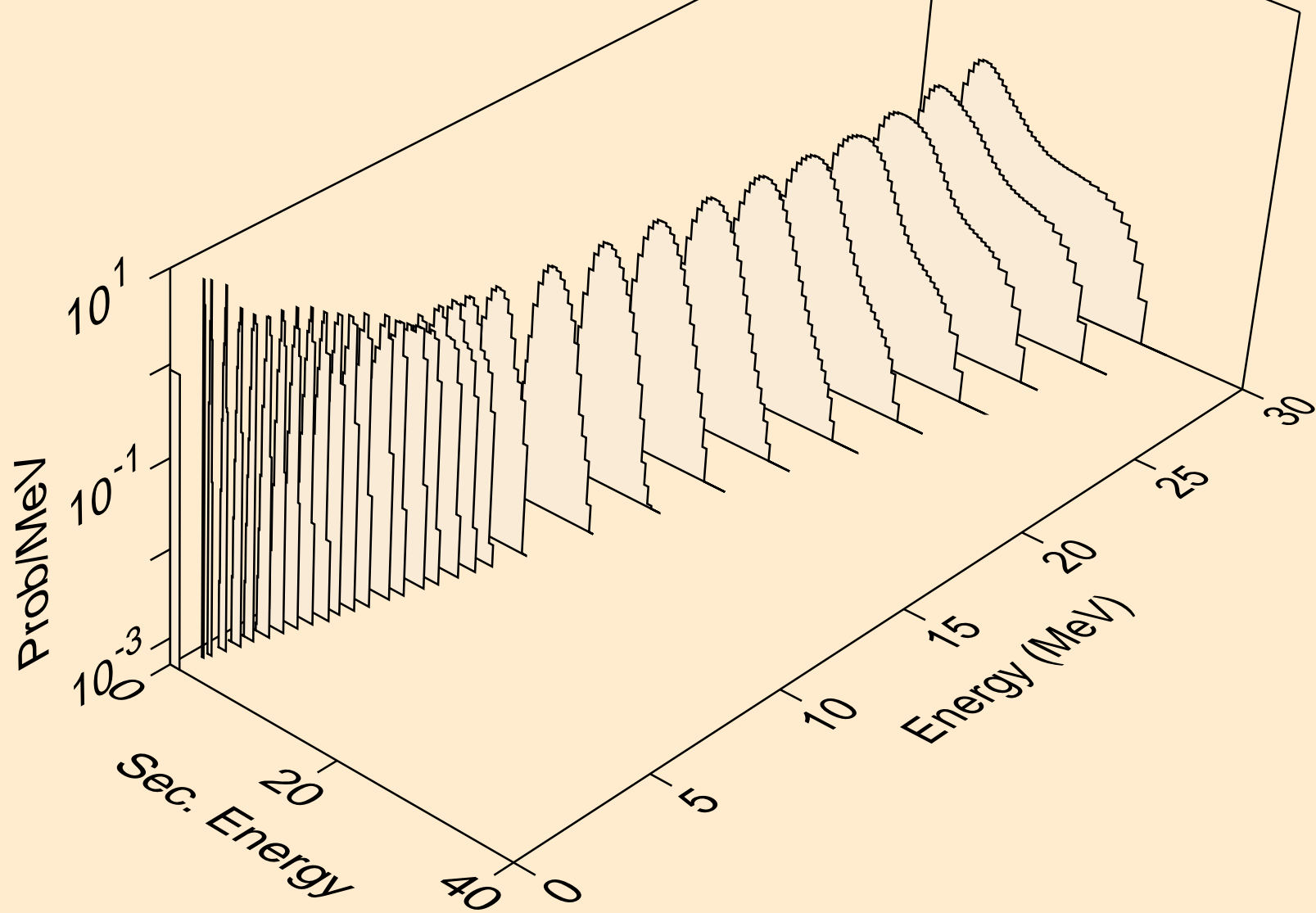
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



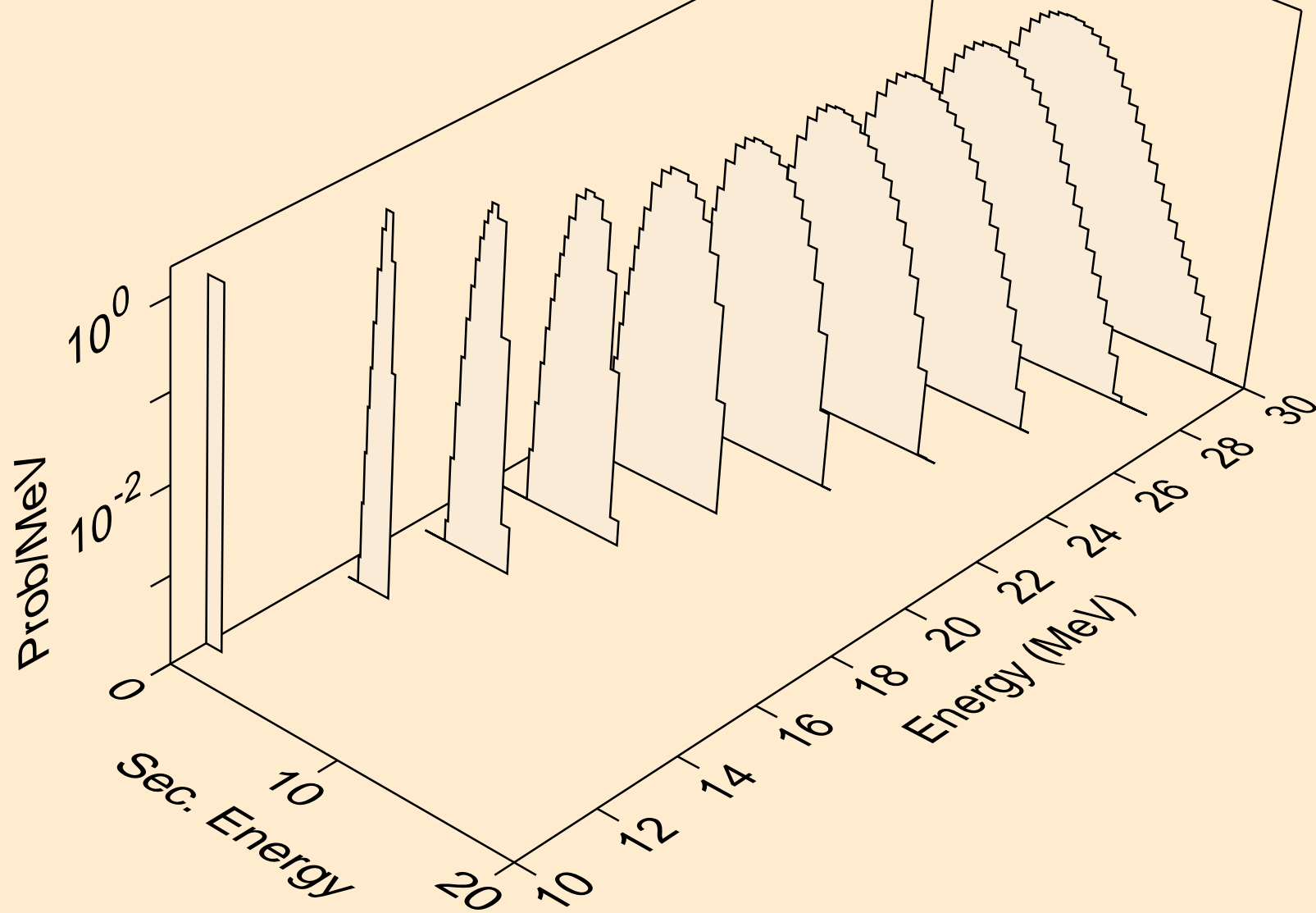
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



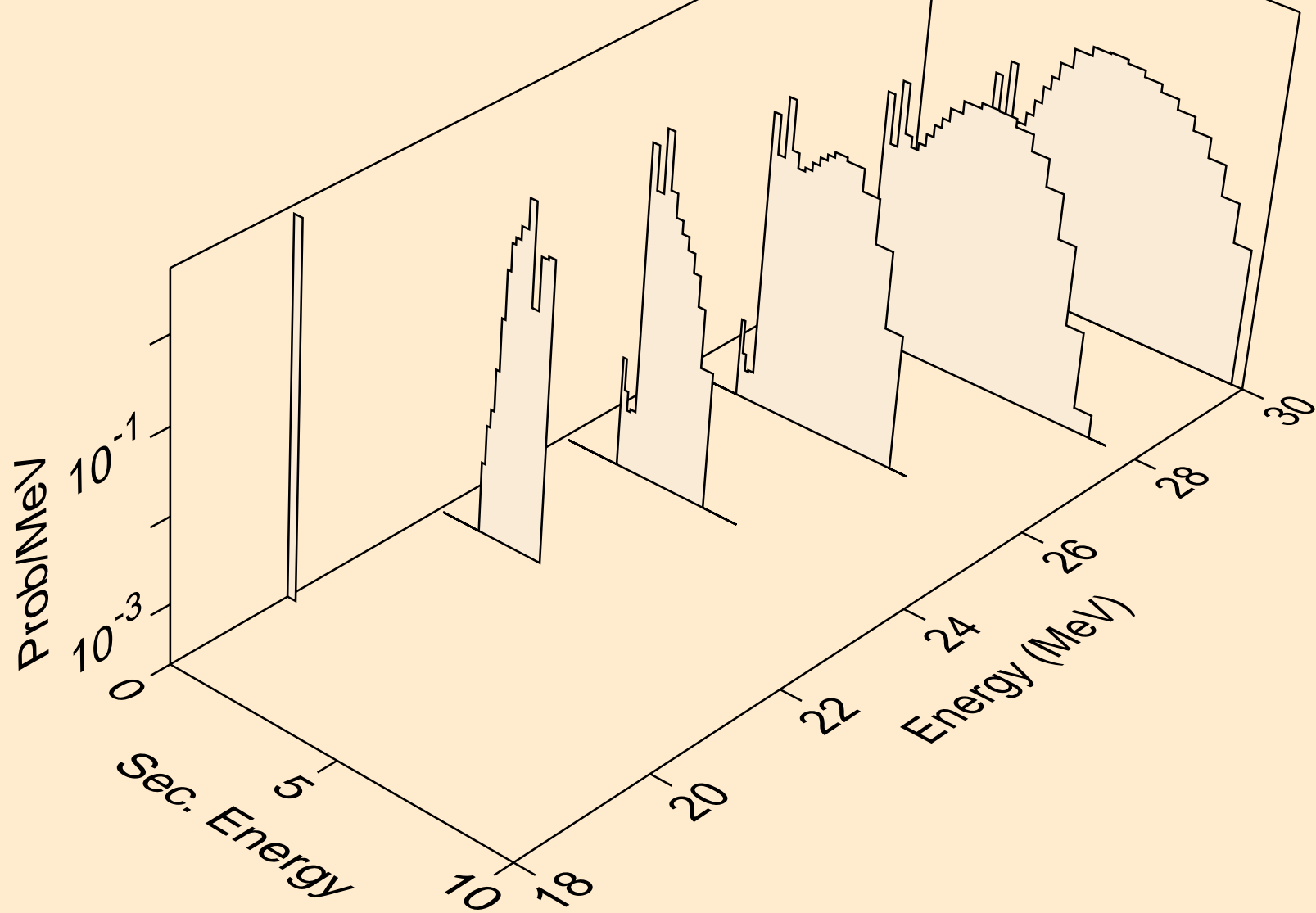
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



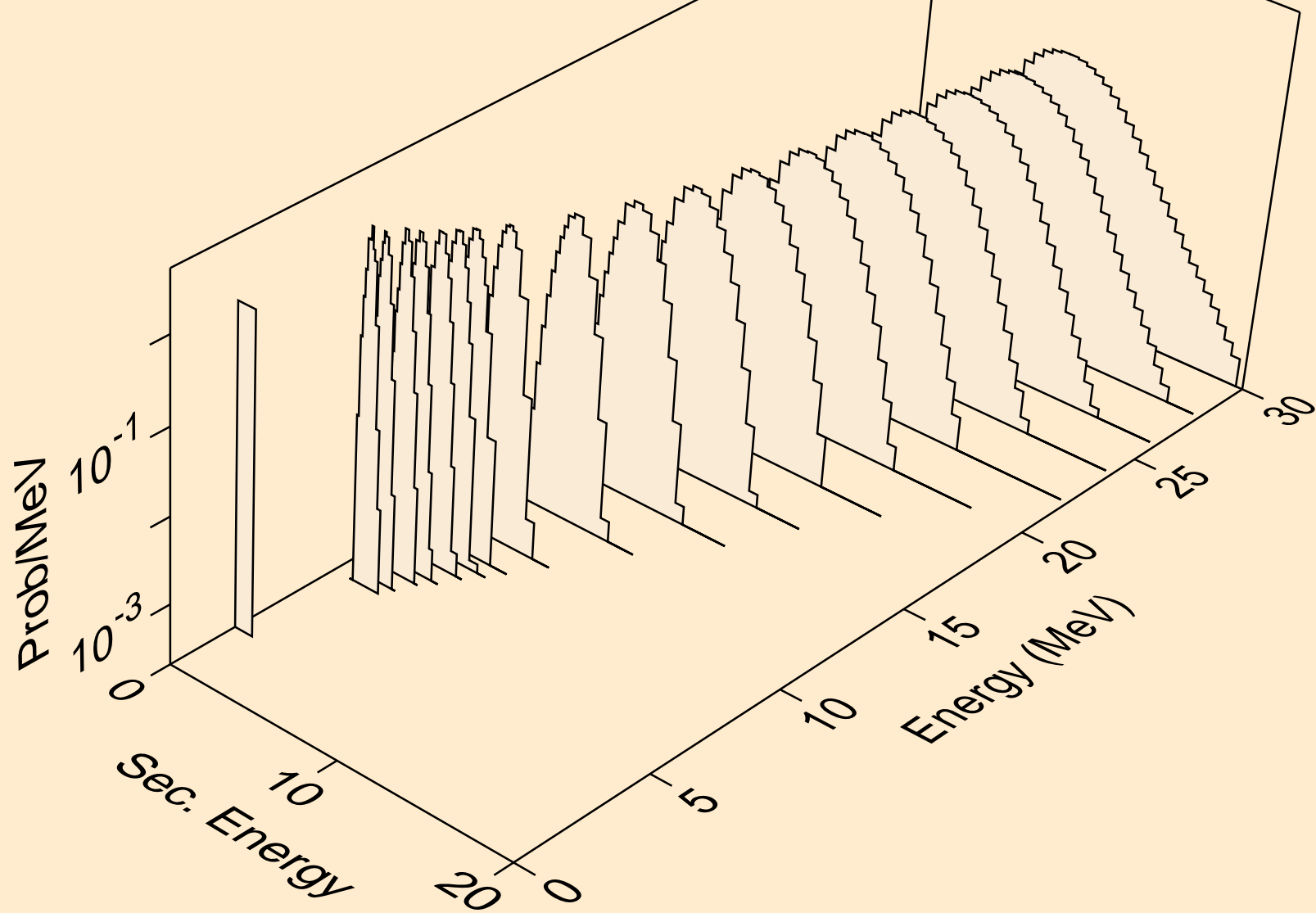
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



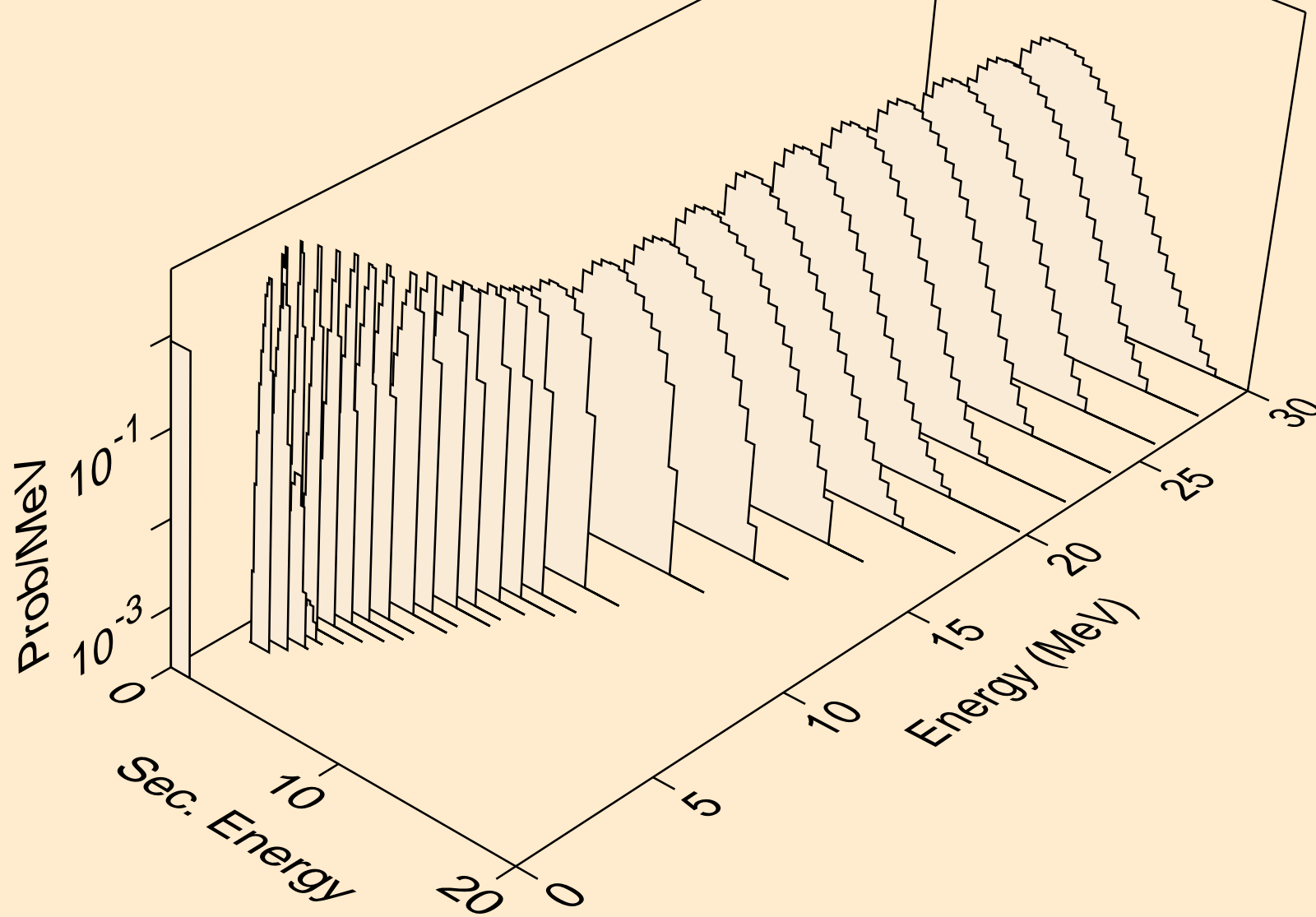
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

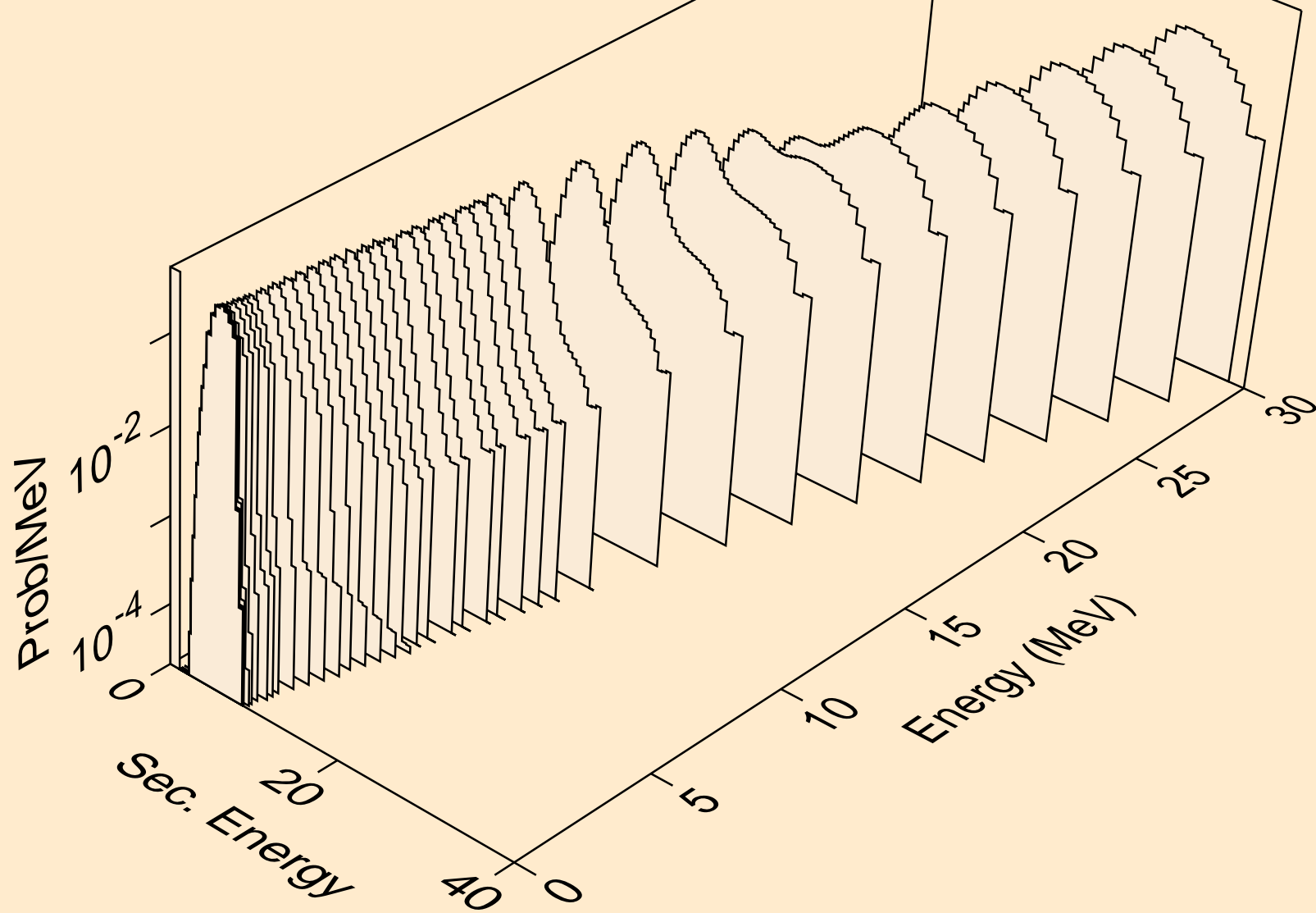


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

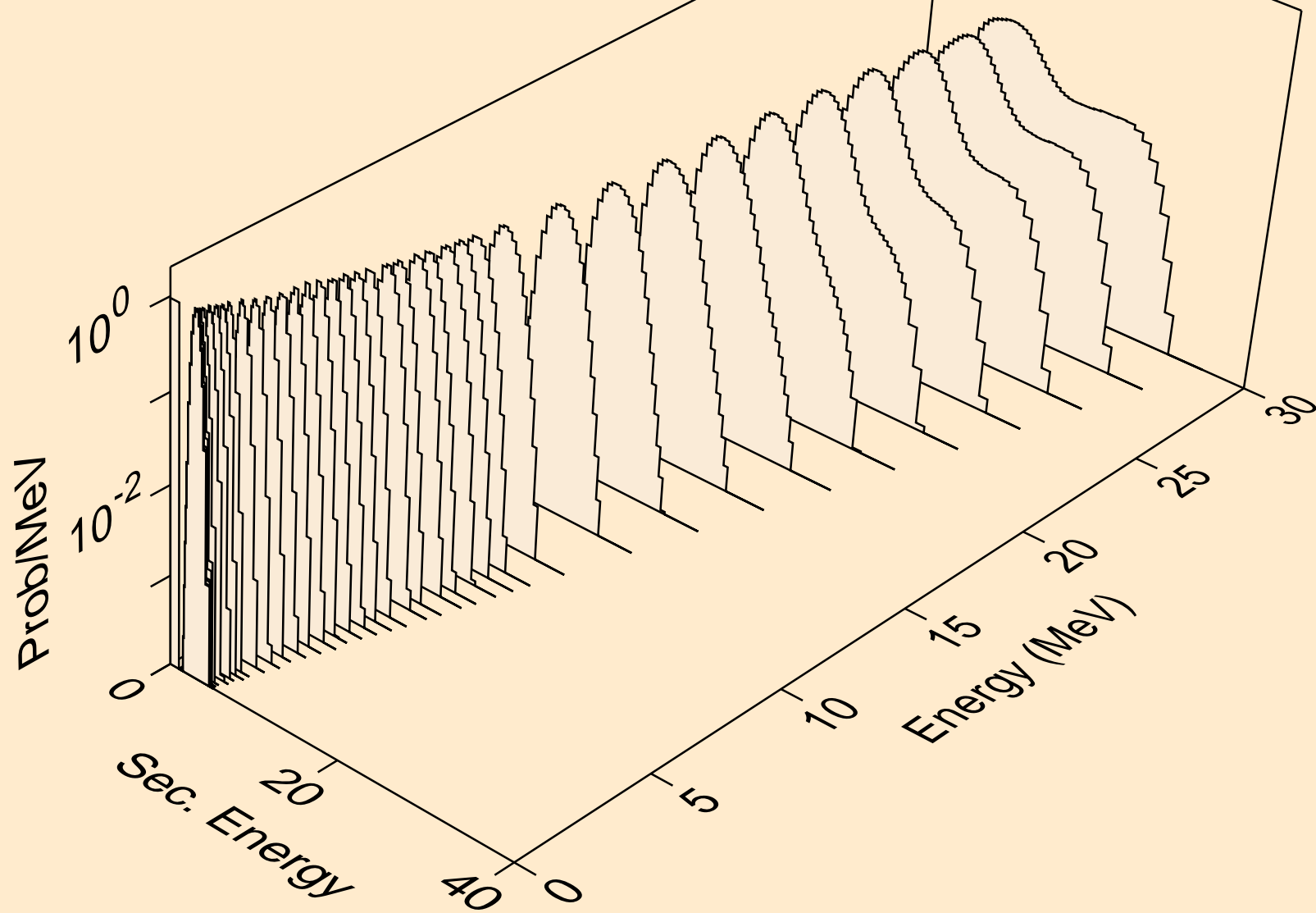




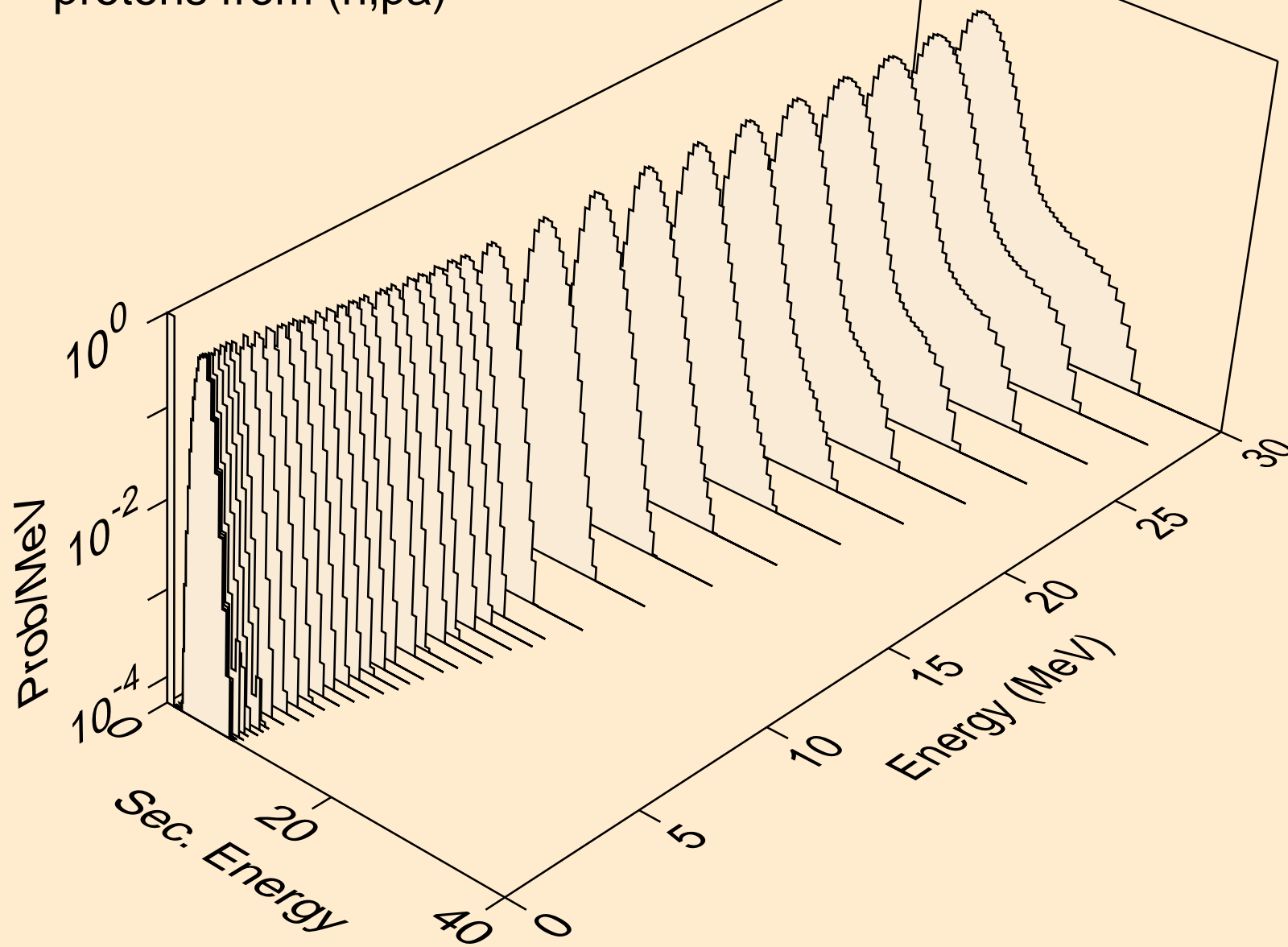
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protons from (n,p)



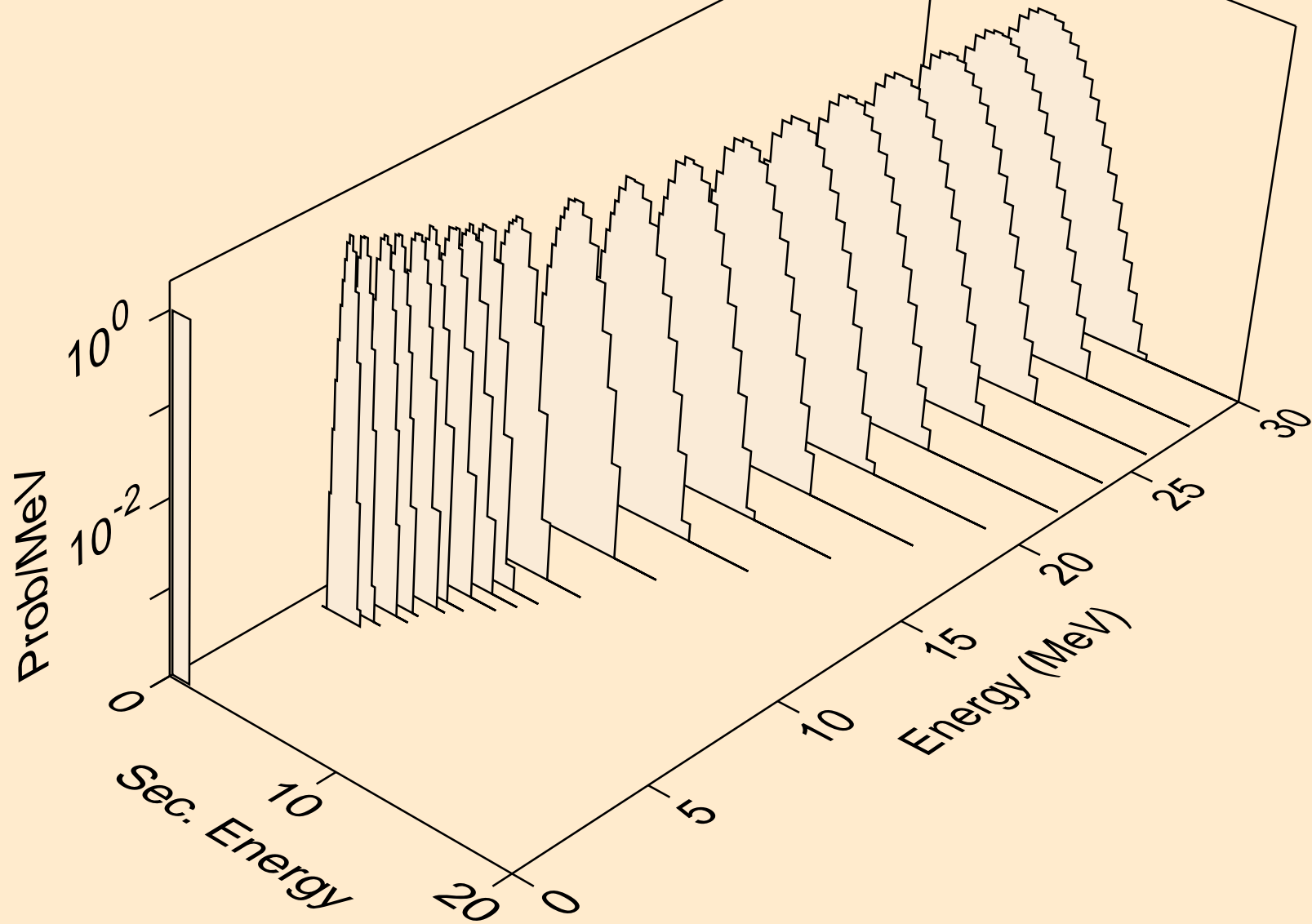
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protons from (n,2p)



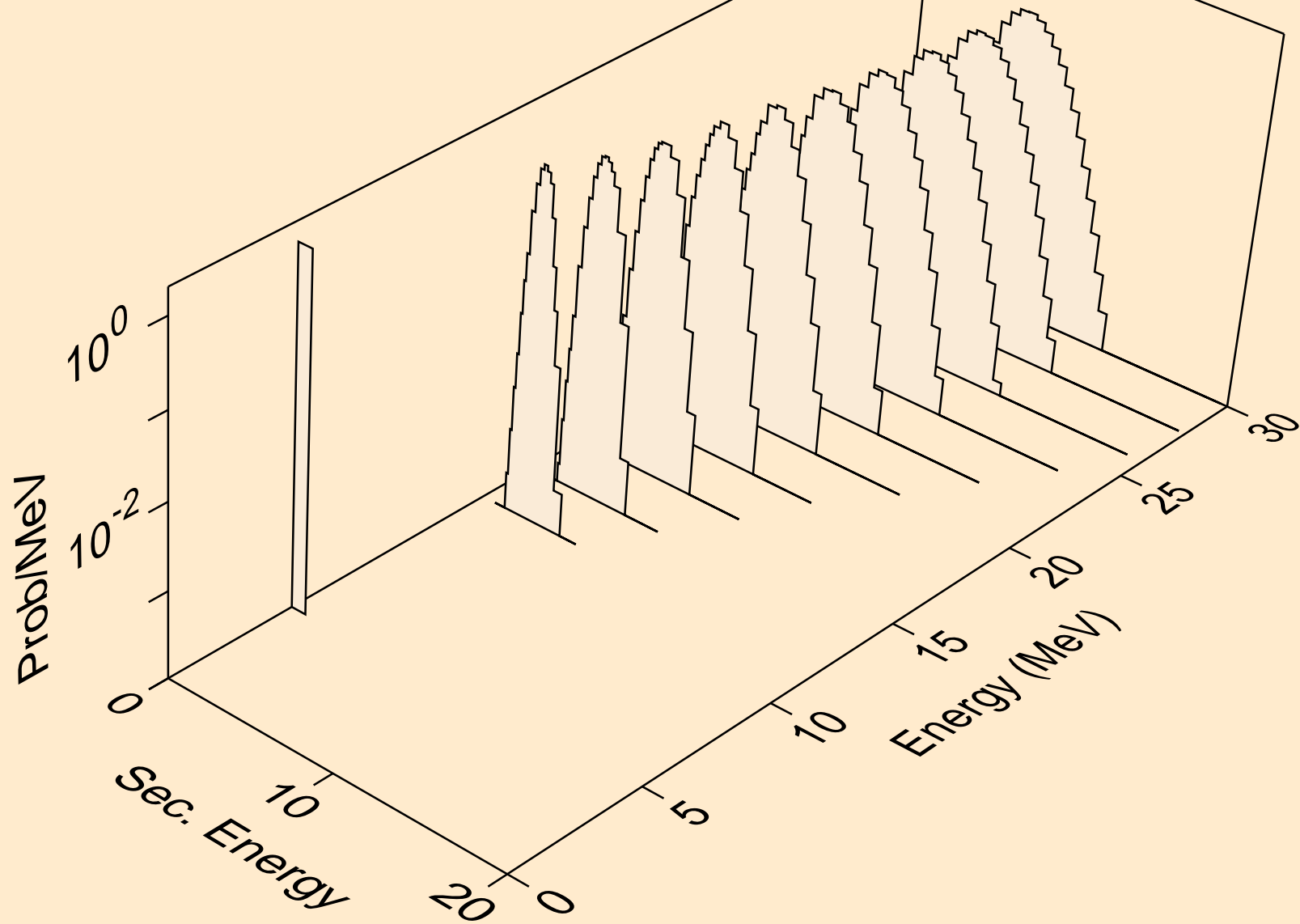
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protons from (n,p)



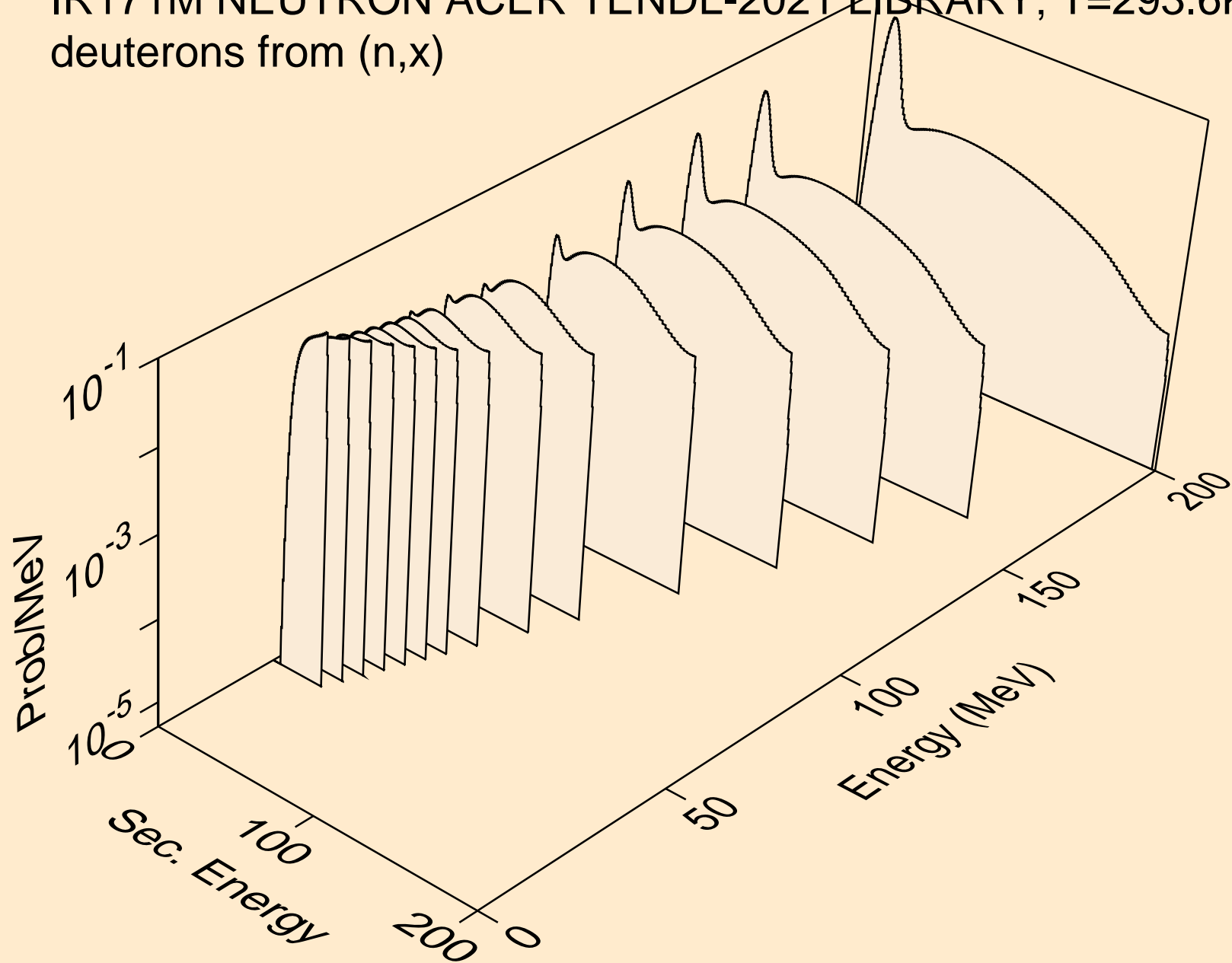
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protons from (n,pd)



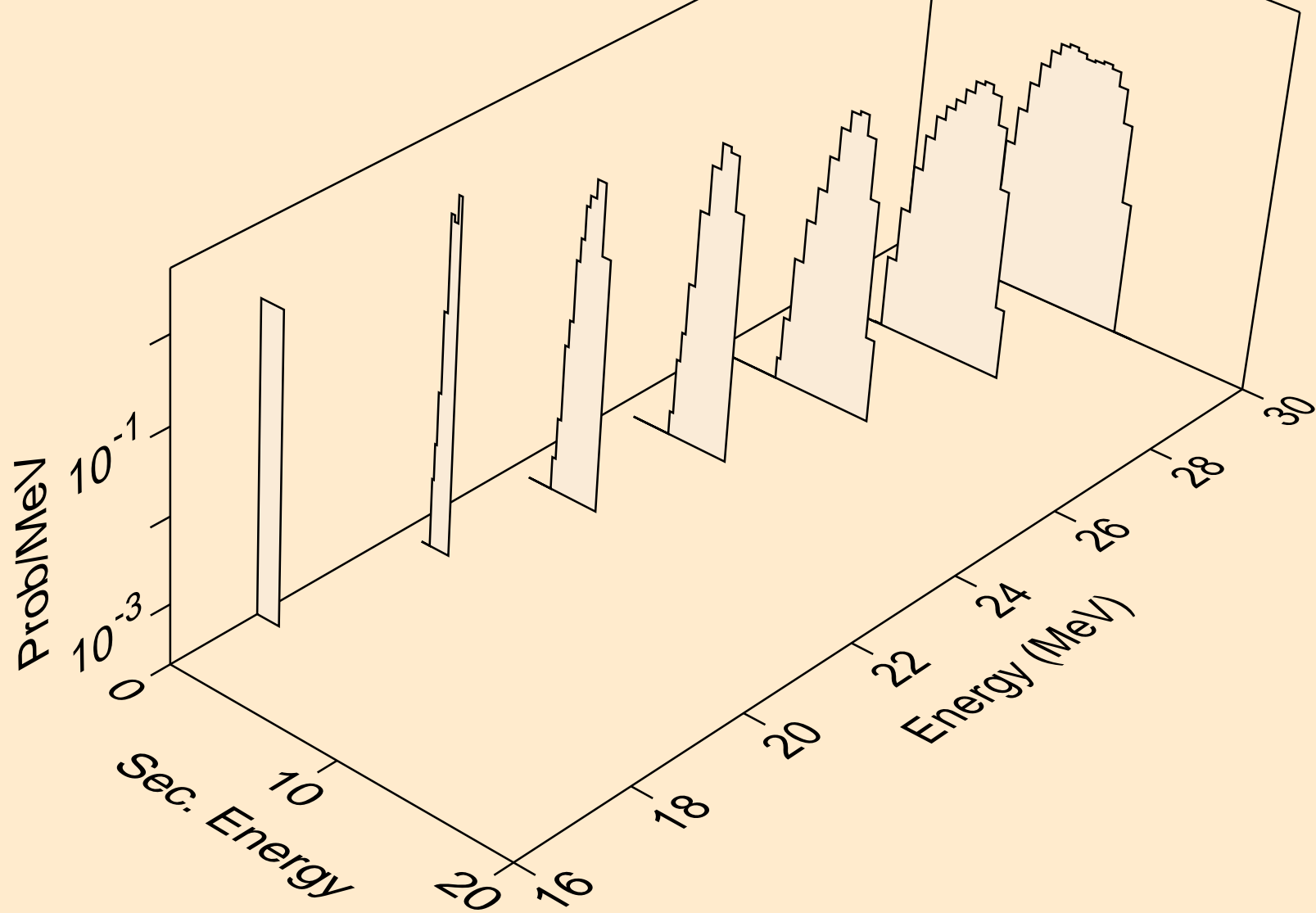
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protons from (n,pt)



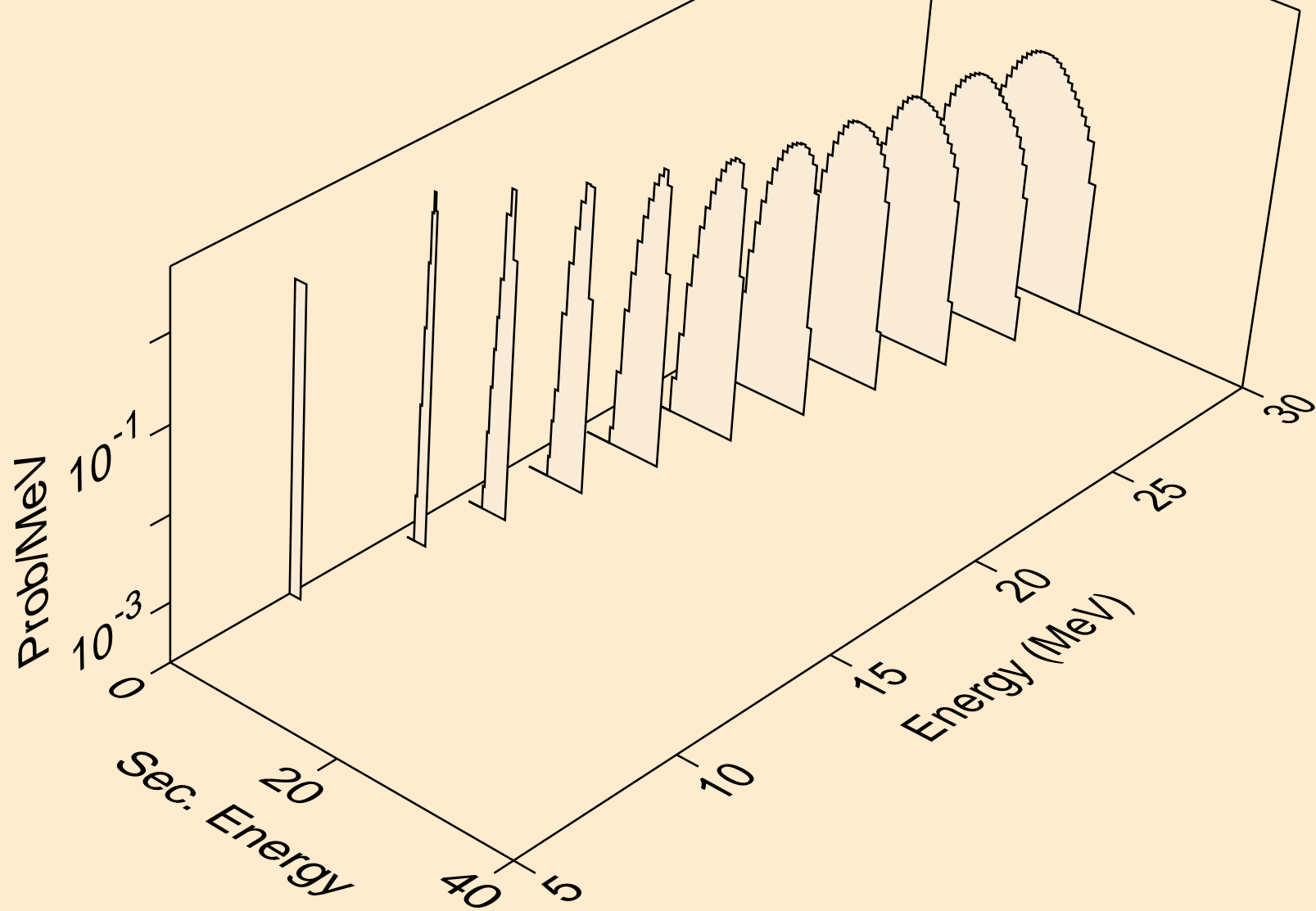
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

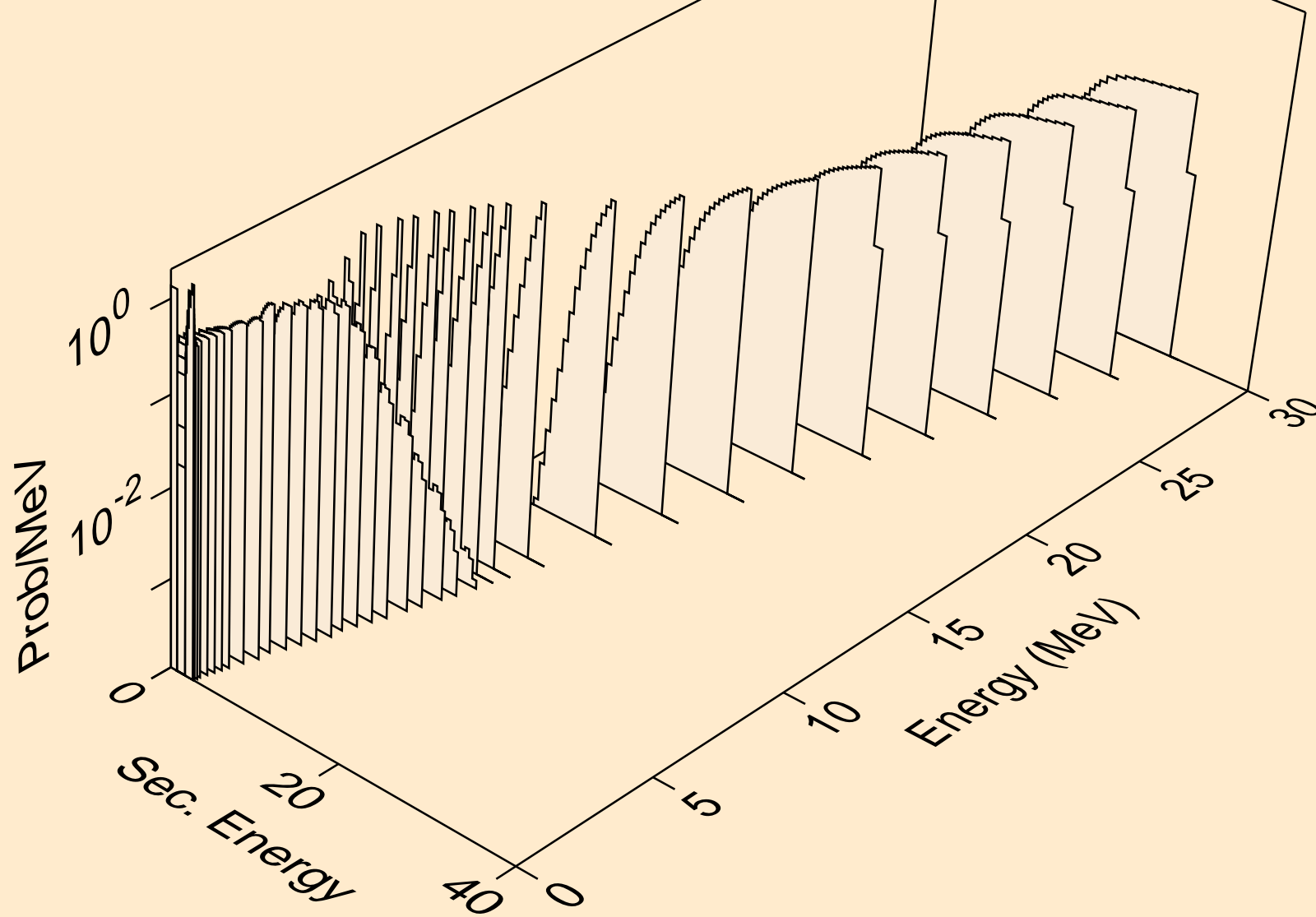


IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d

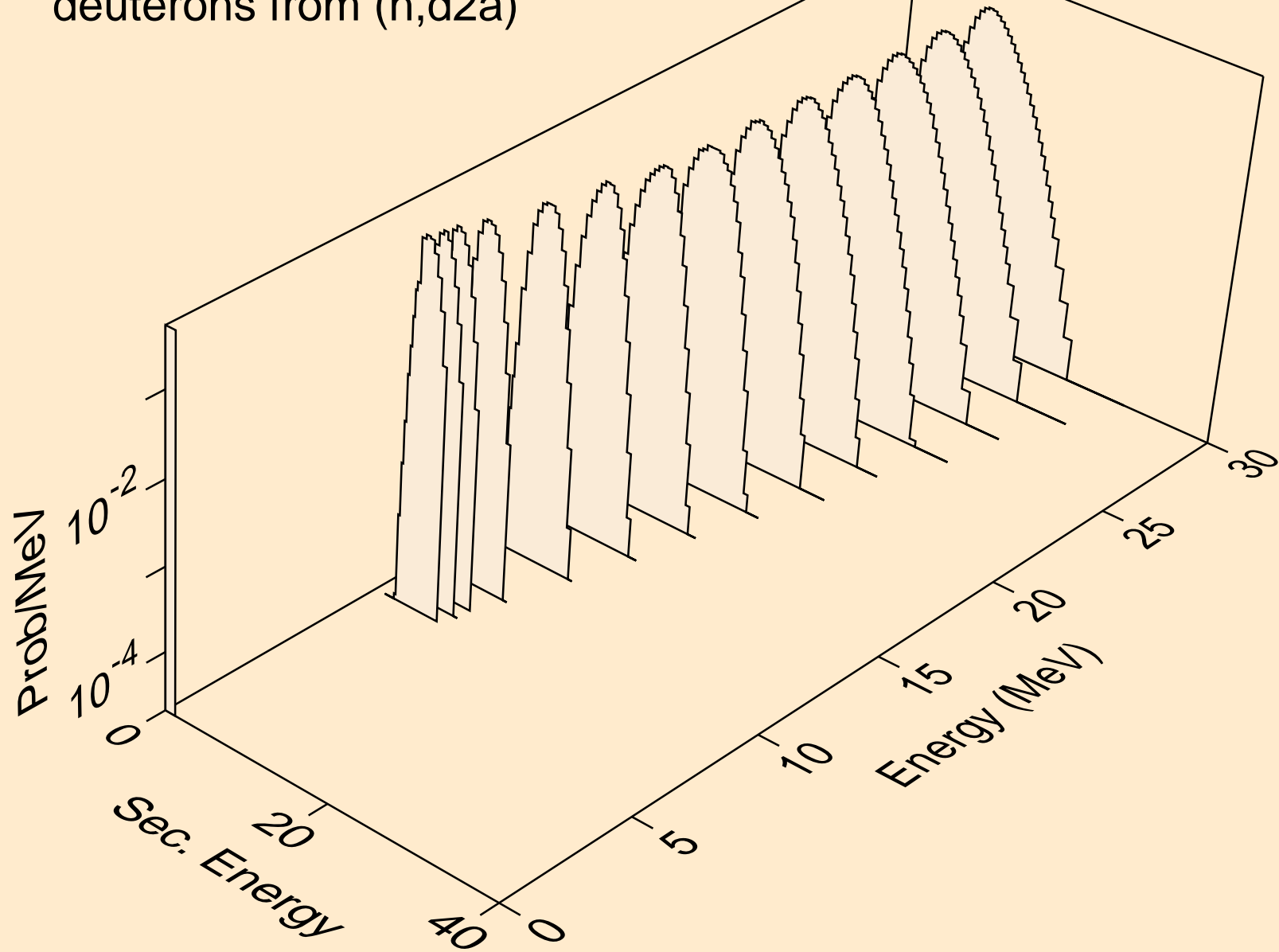




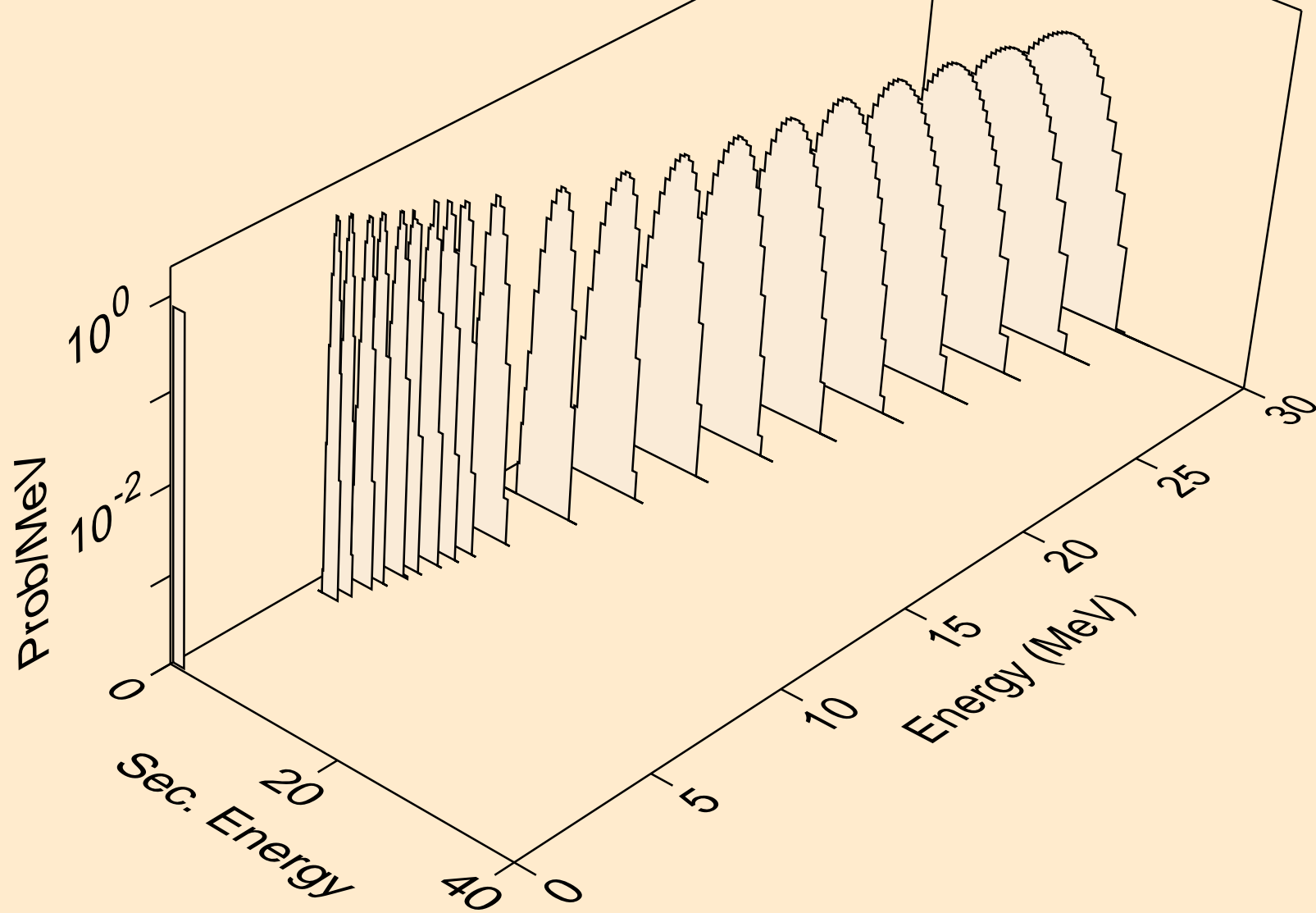
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deuterons from (n,d)



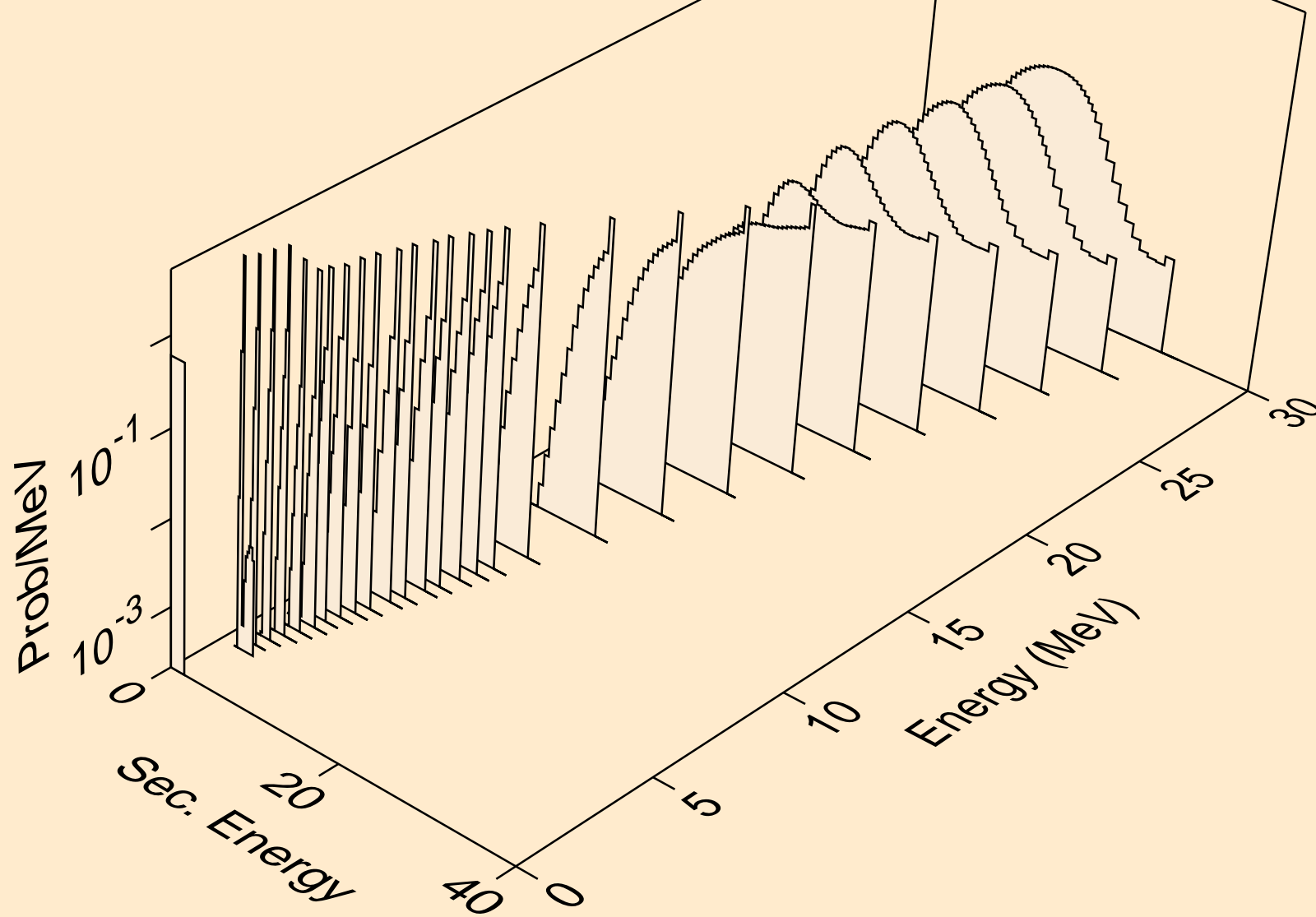
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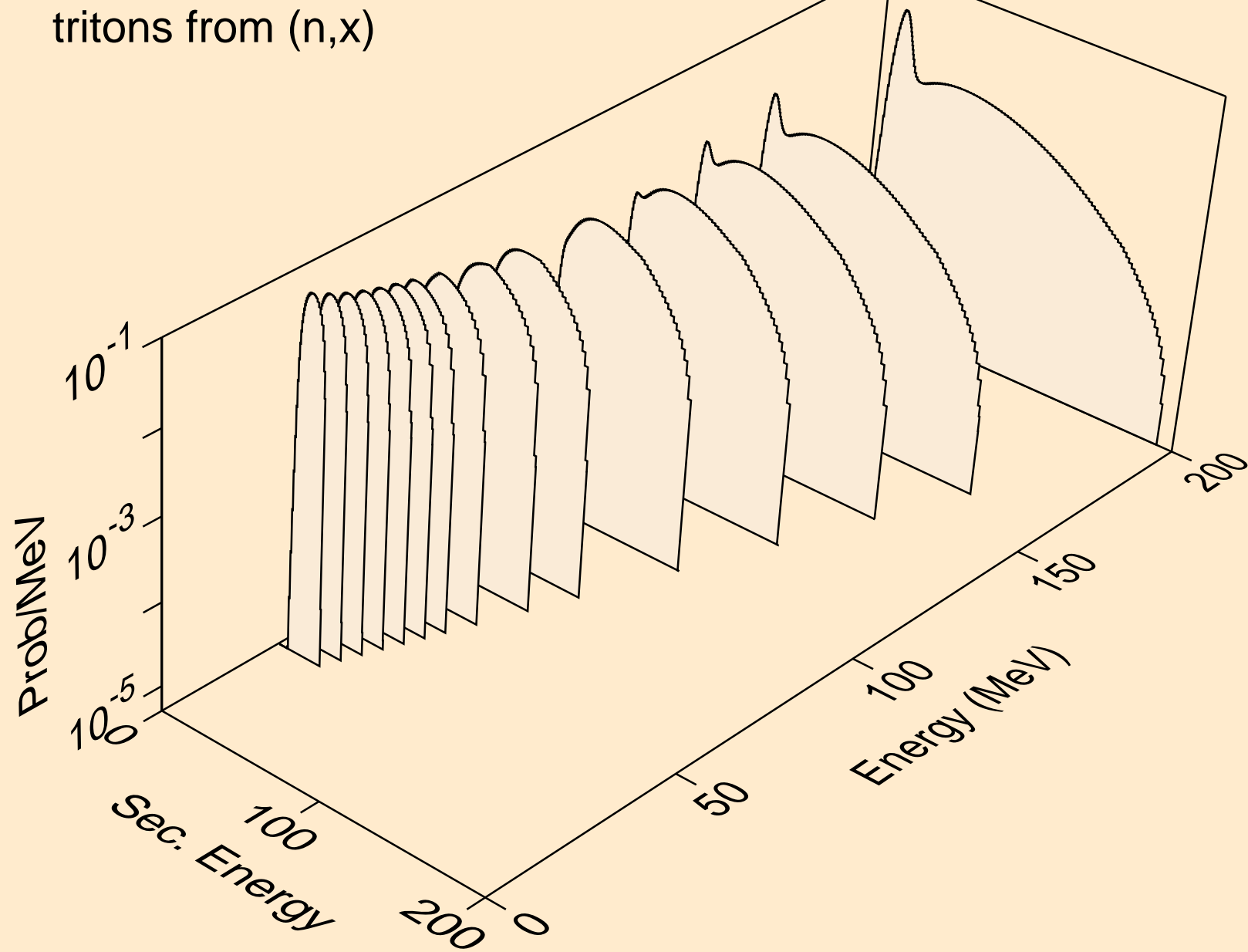
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deuterons from (n,pd)



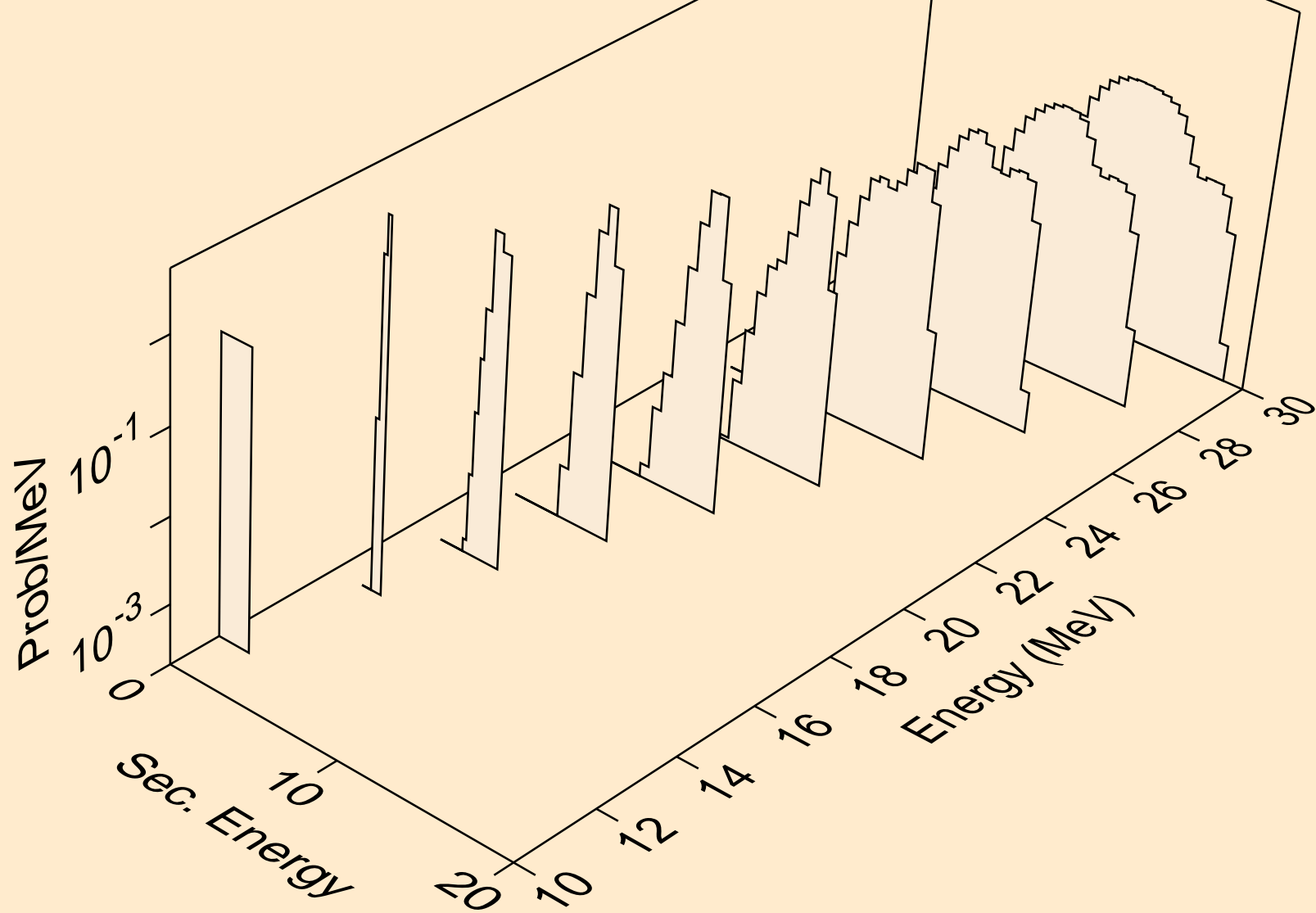
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deuterons from (n,da)



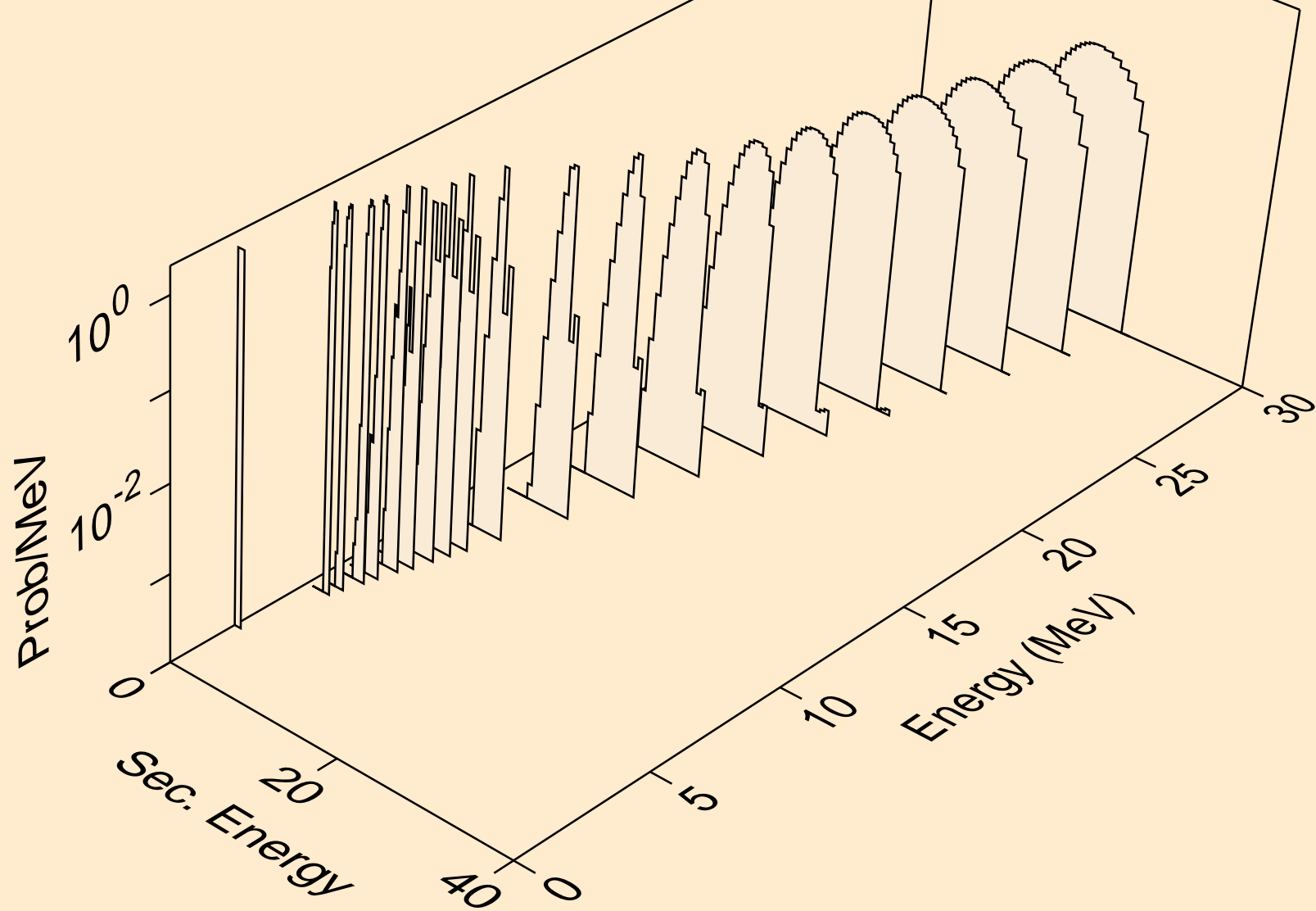
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tritons from (n,x)



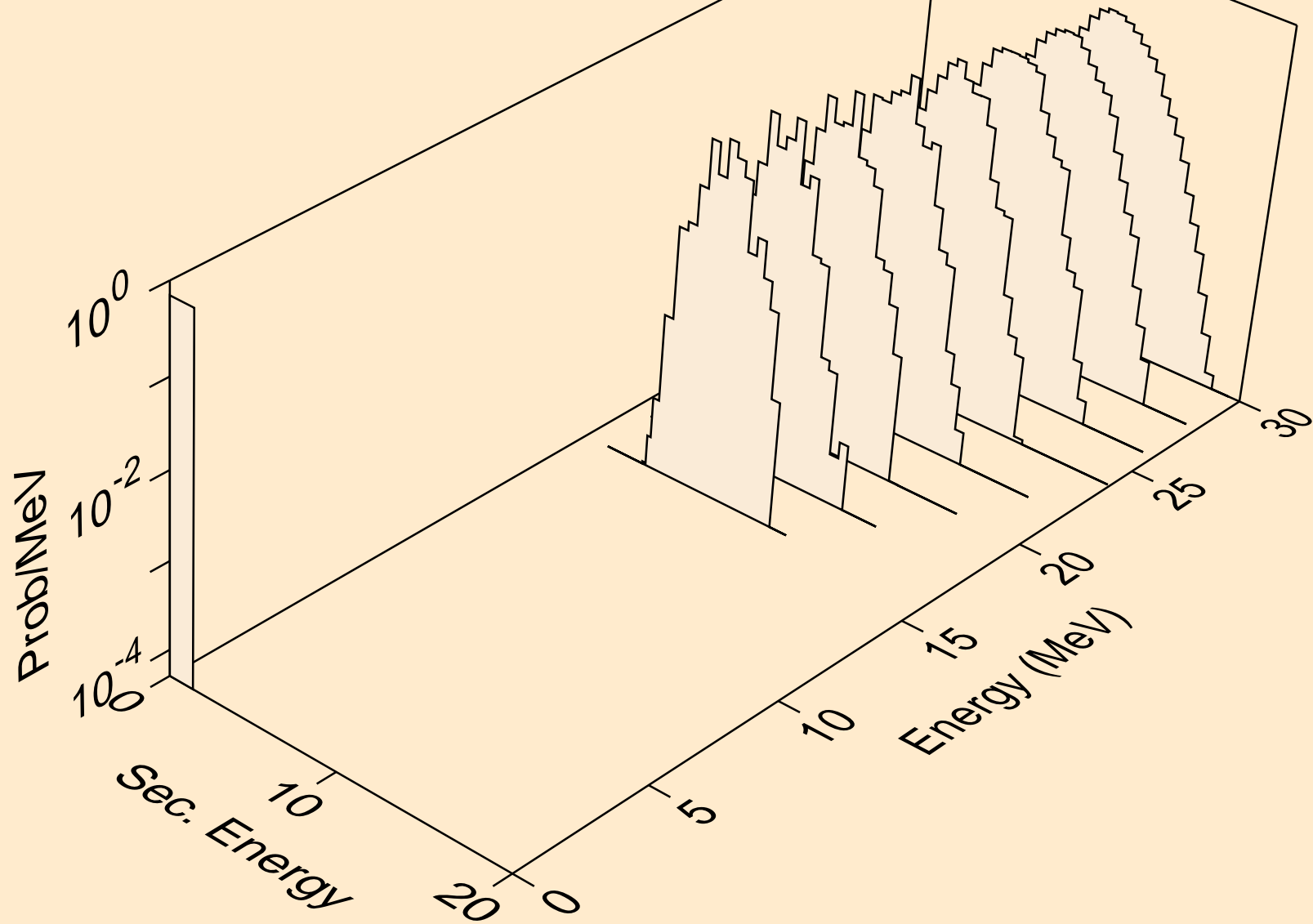
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

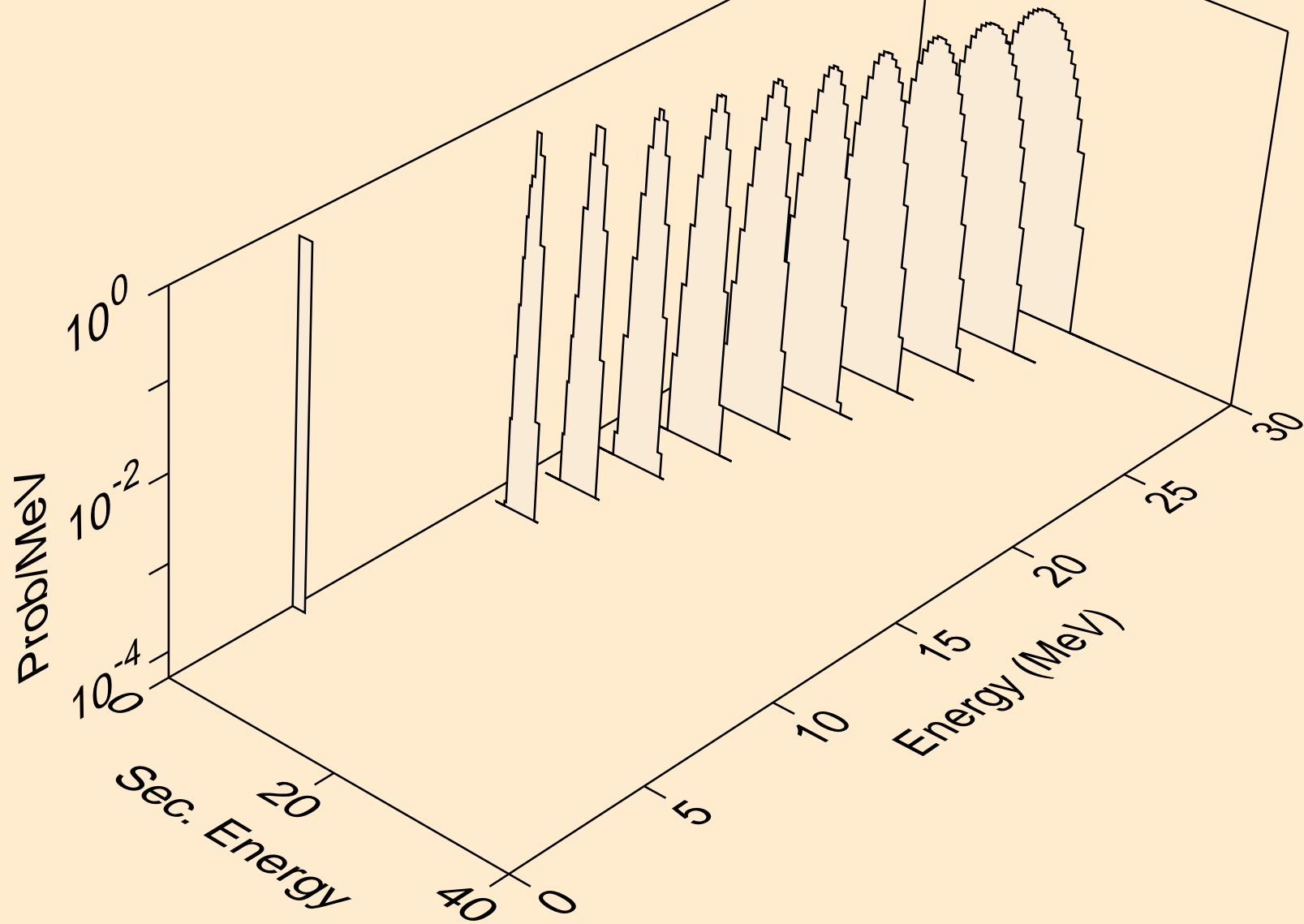


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tritons from (n,t2a)

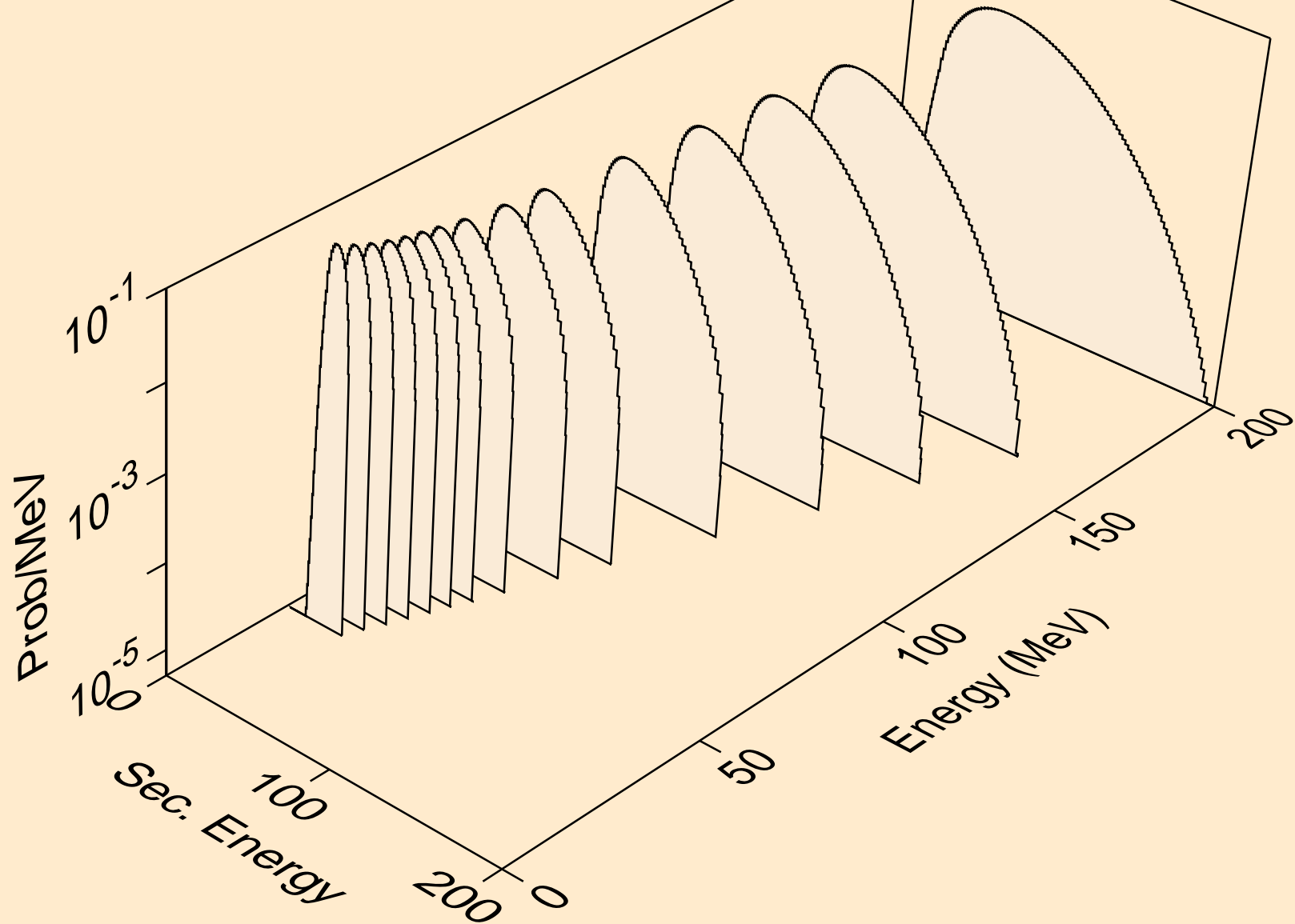




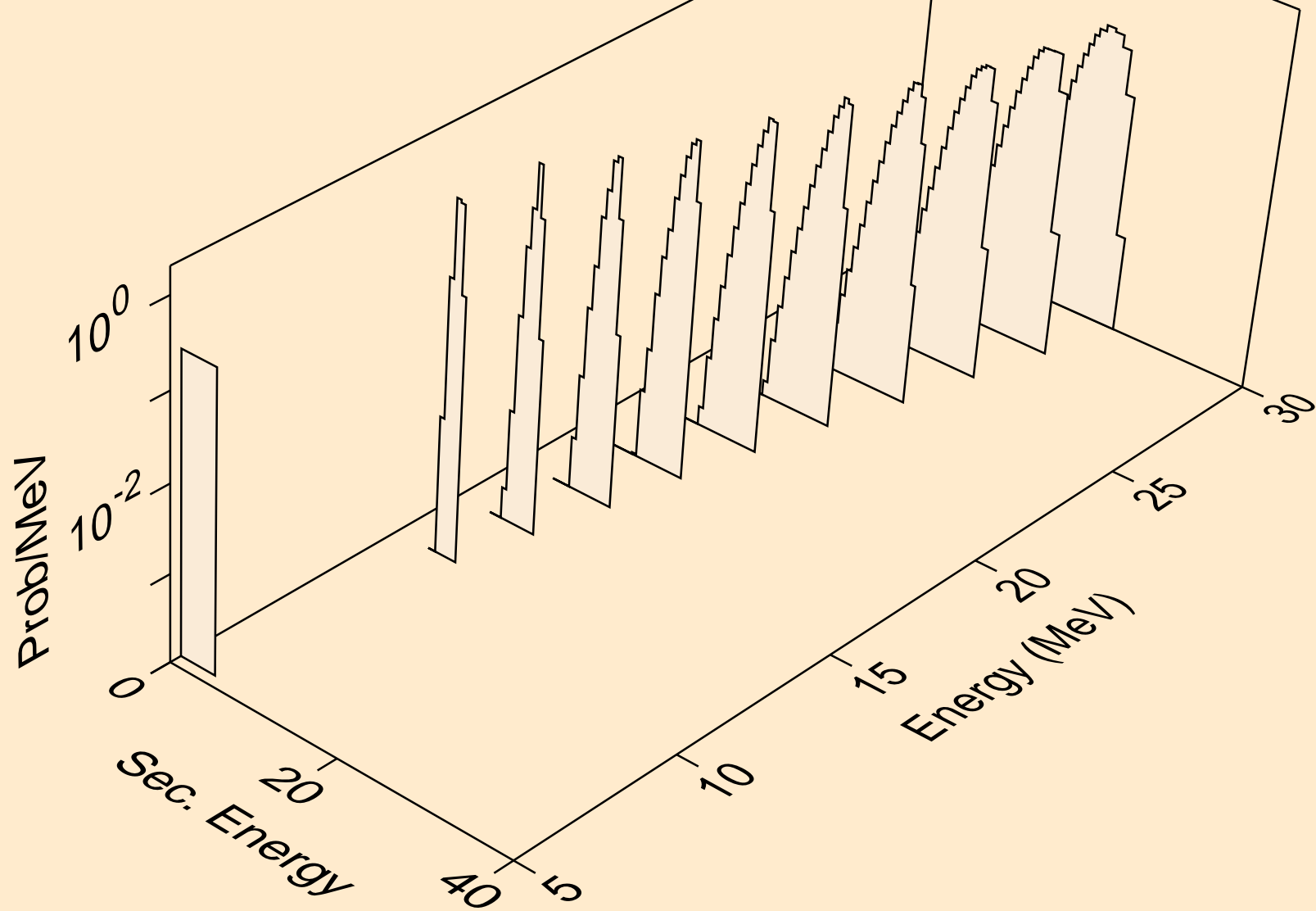
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tritons from (n,pt)



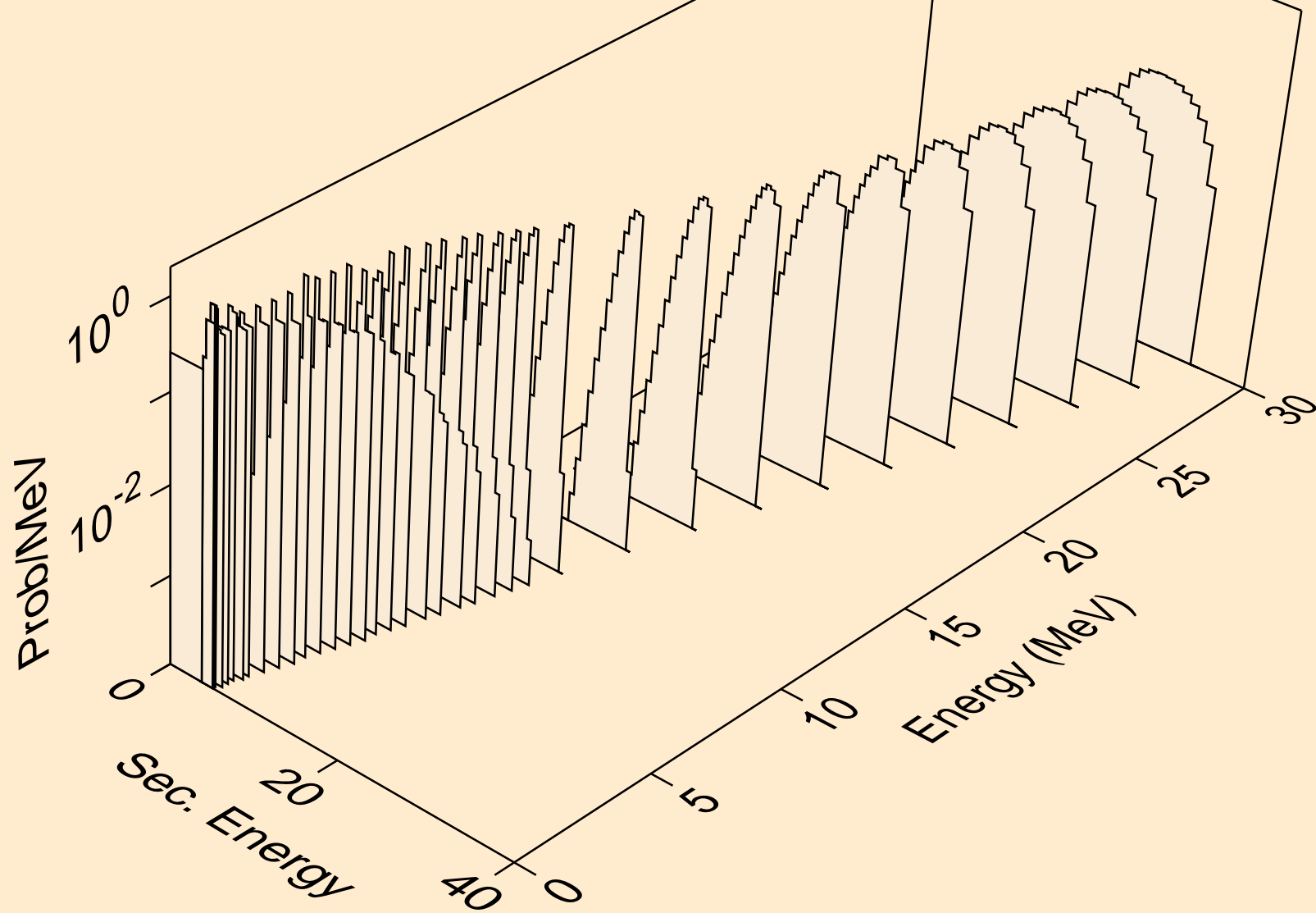
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he3s from (n,x)



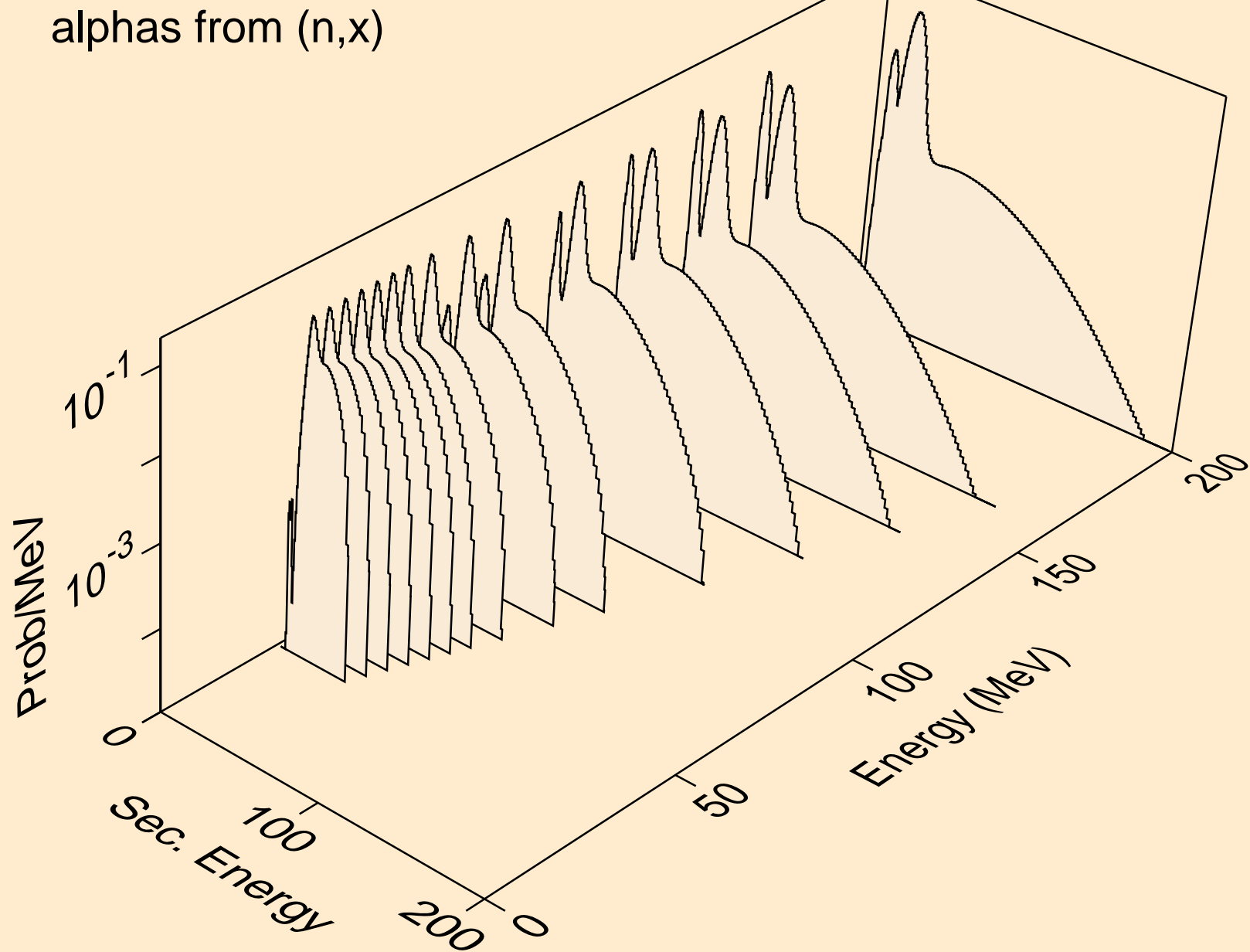
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he3s from (n,n\*)he3



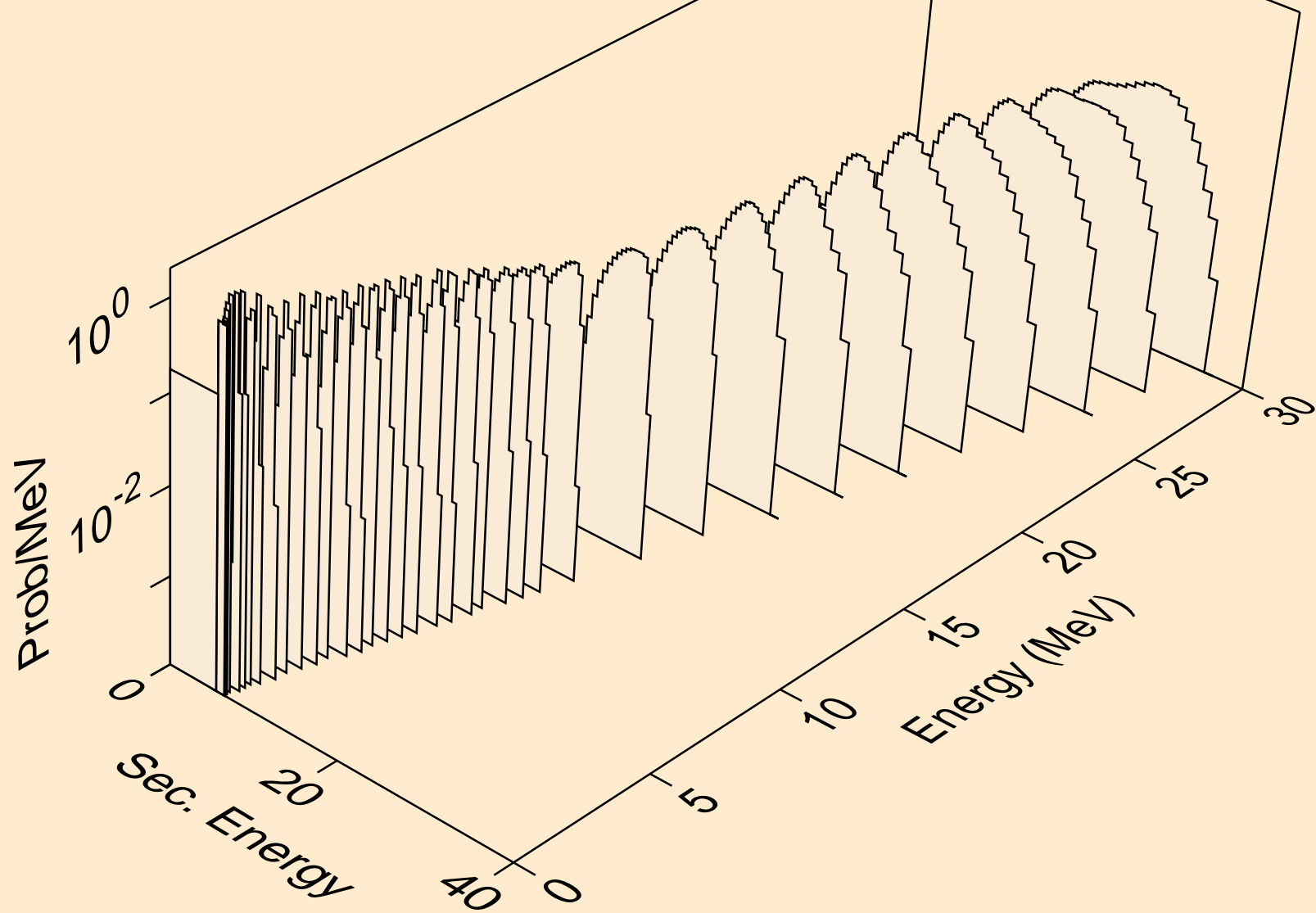
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he3s from (n,he3)



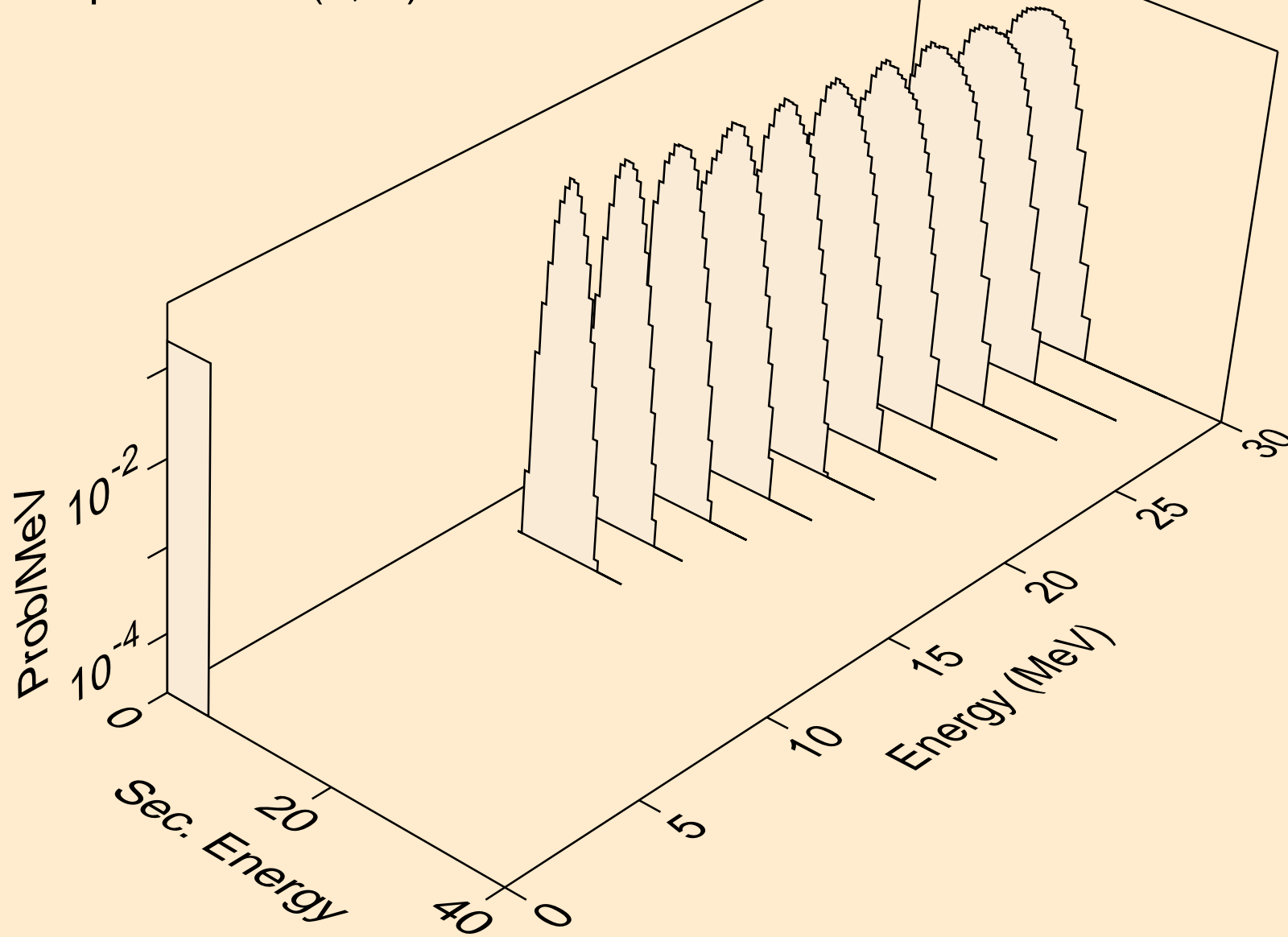
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



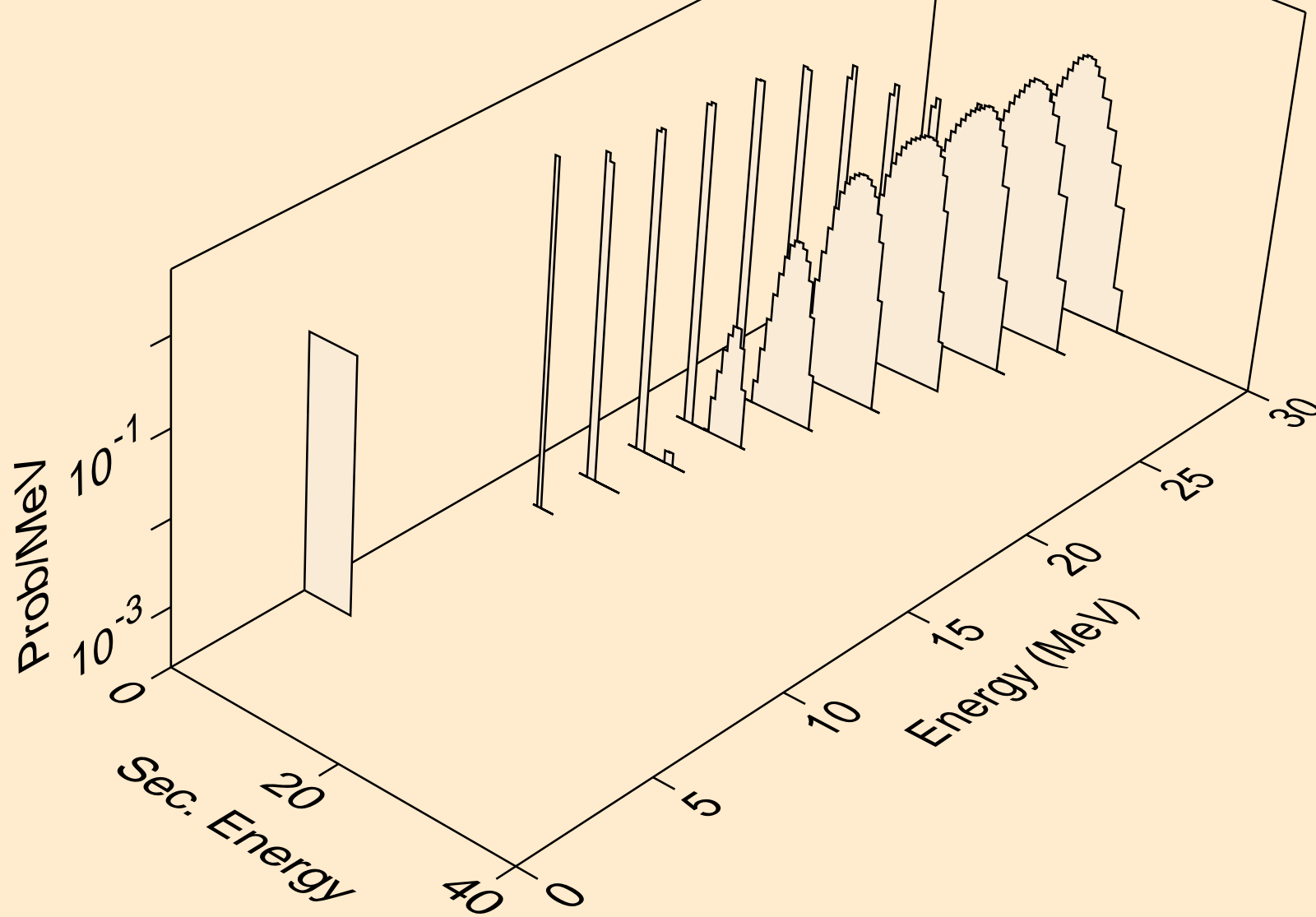
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a

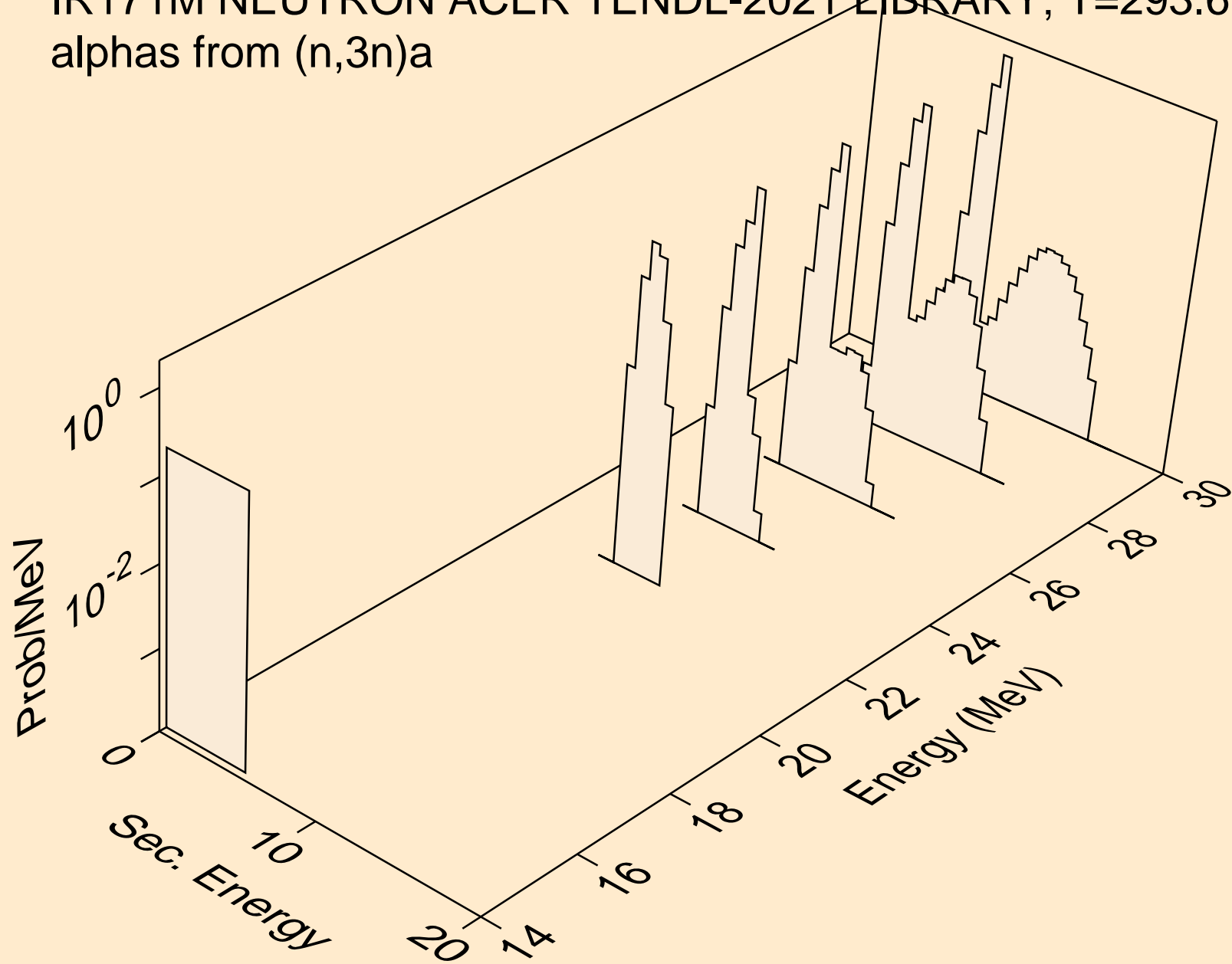


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alphas from (n,2n)a

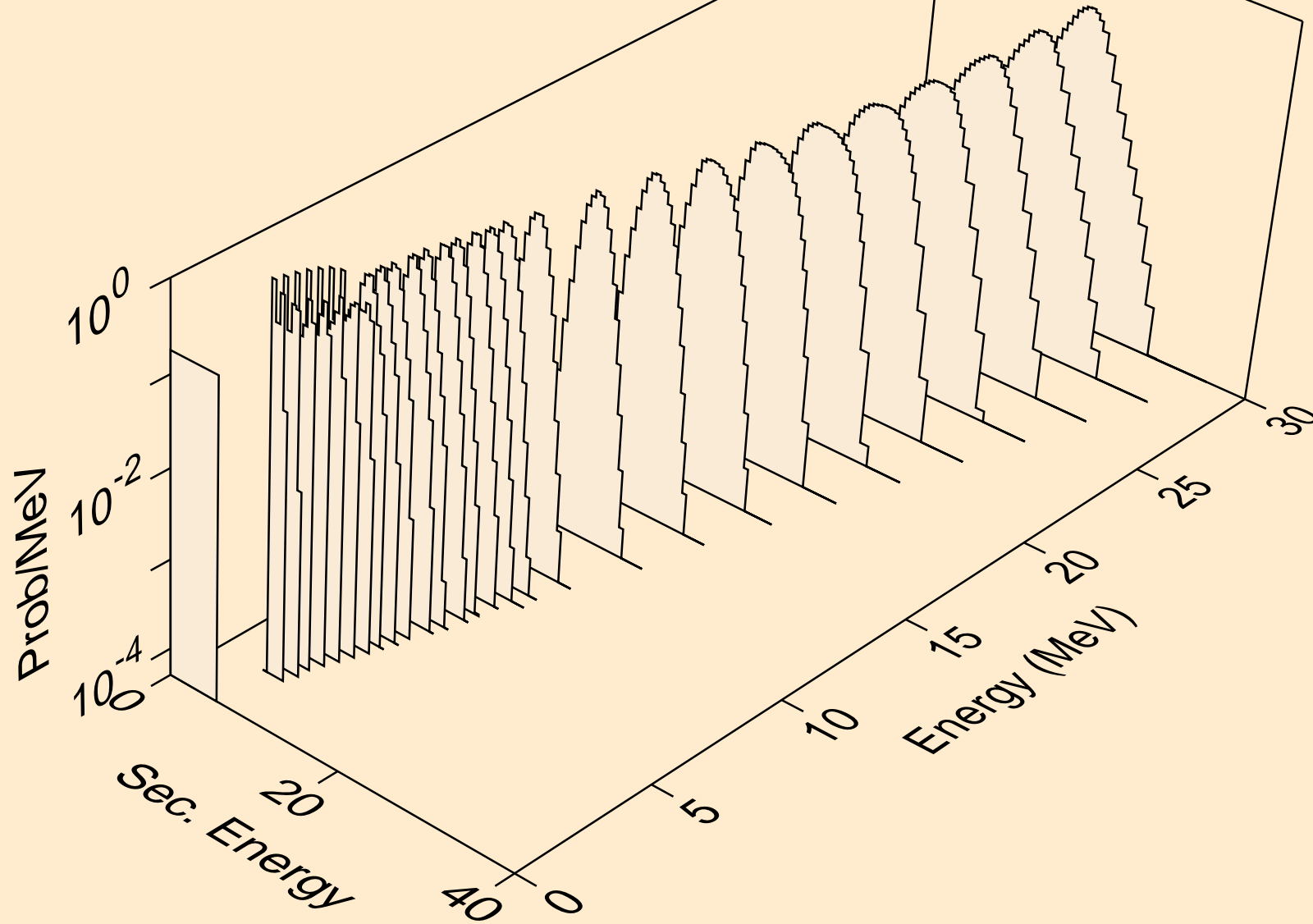




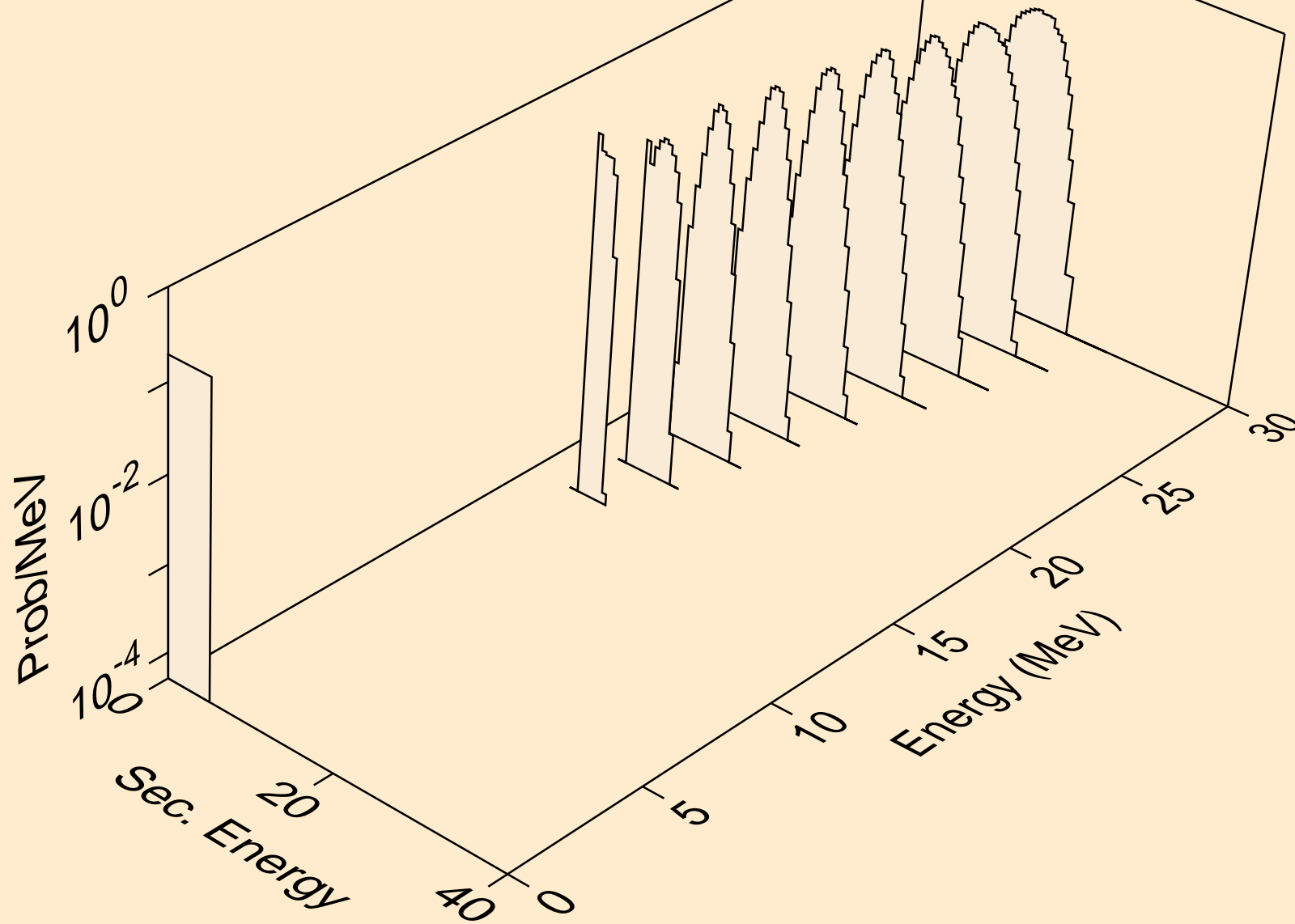
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alphas from (n,3n)a



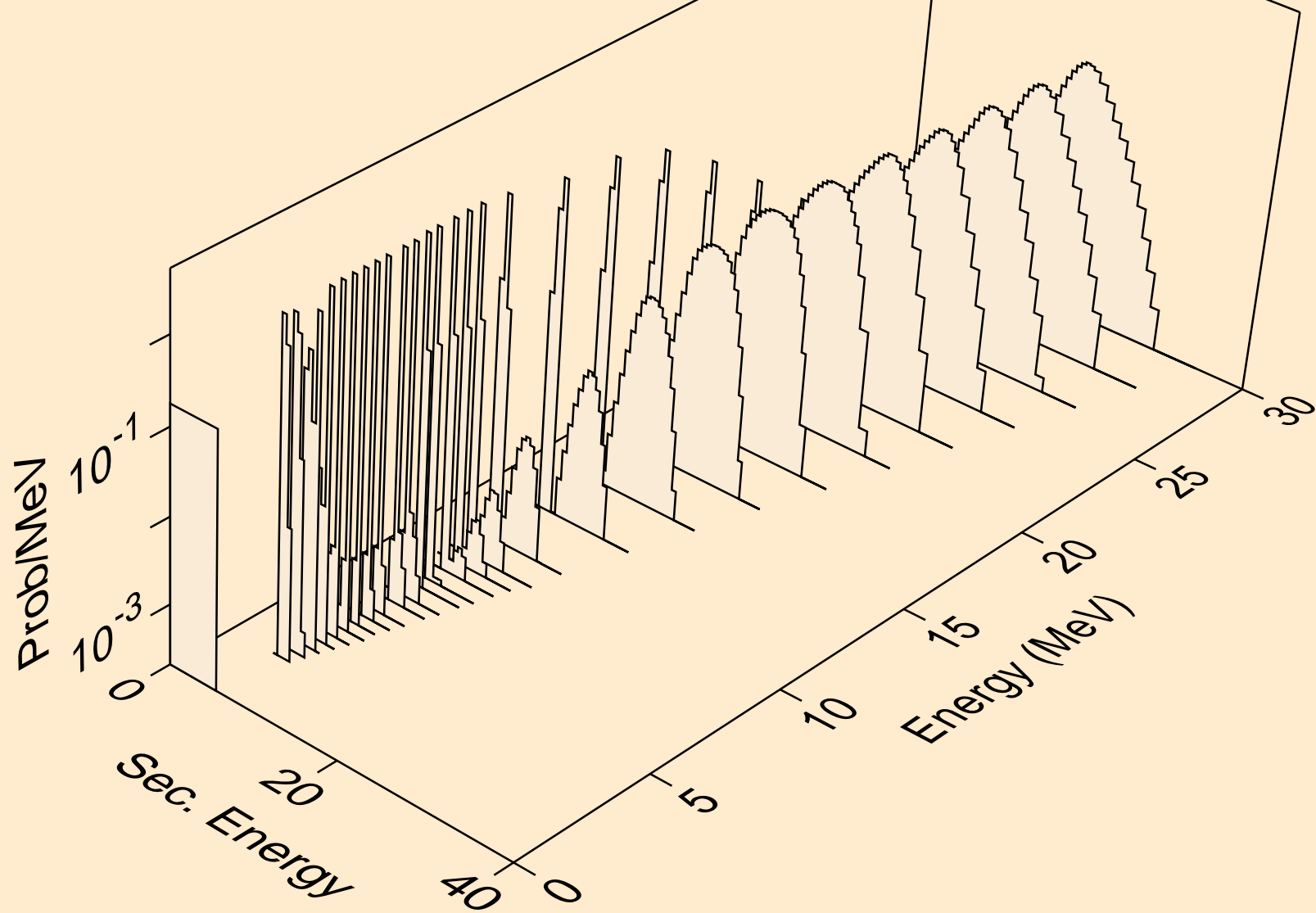
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alphas from (n,n\*)2a



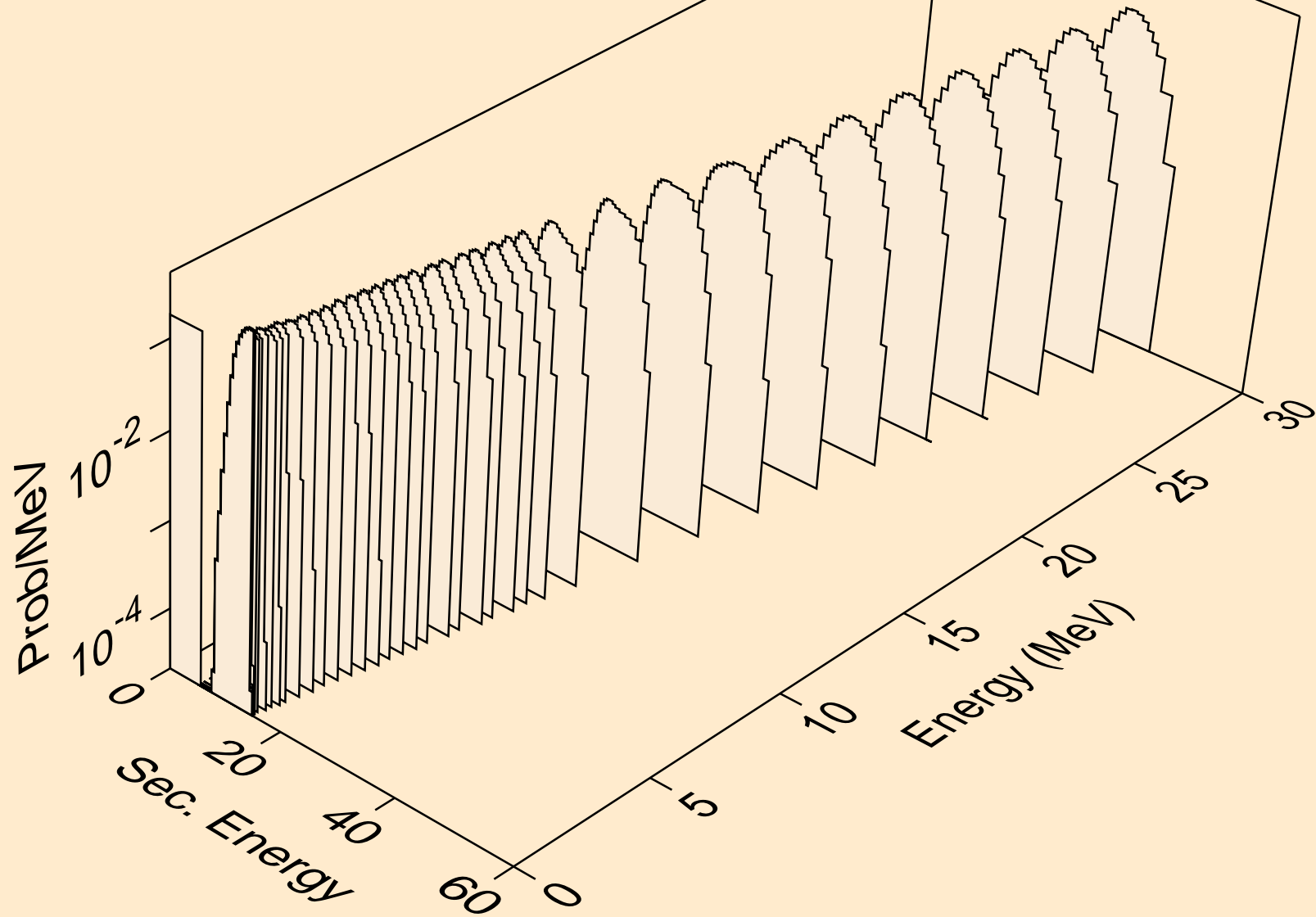
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alphas from (n,2n)2a



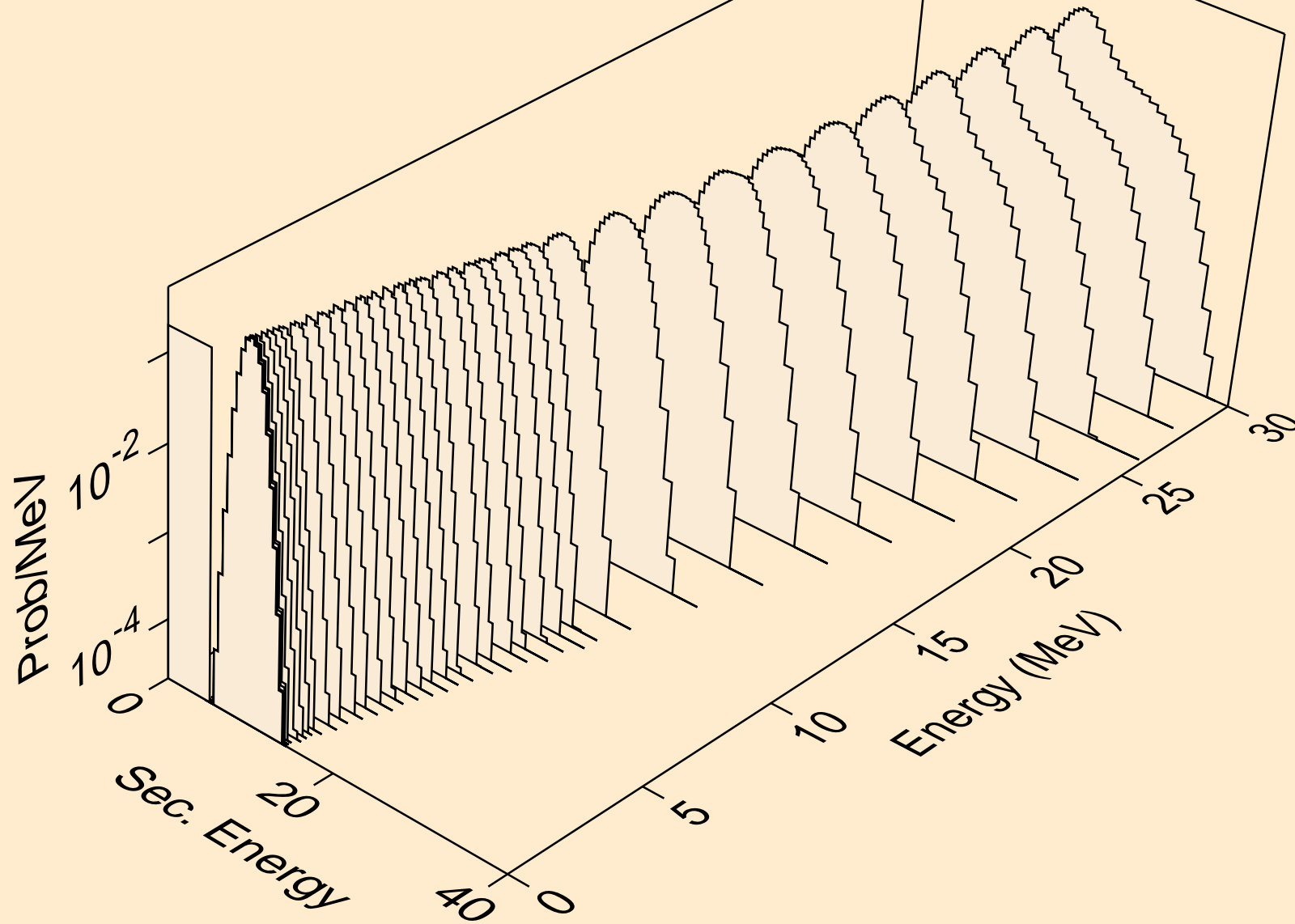
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alphas from (n,npa)



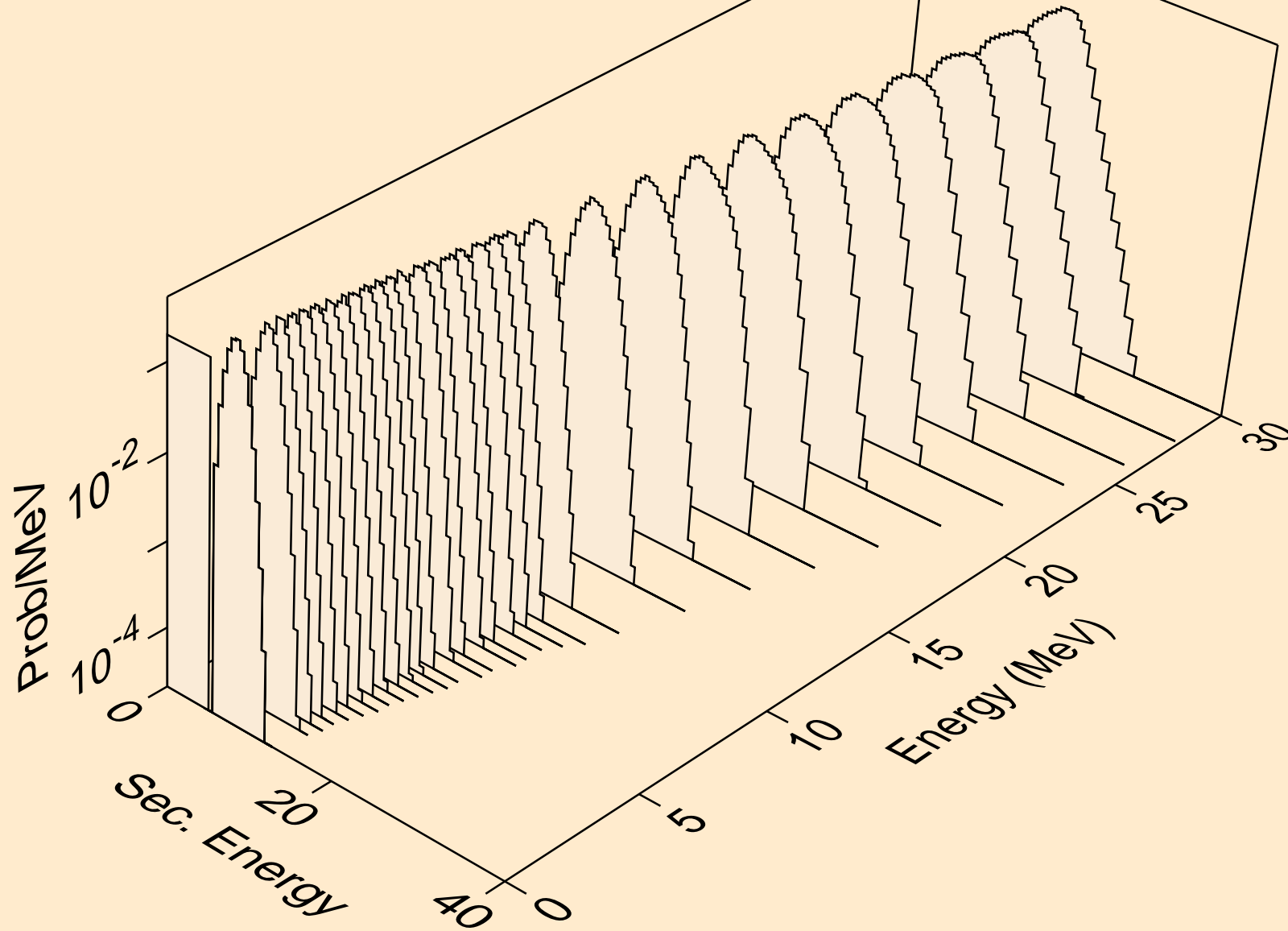
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alphas from (n,a)



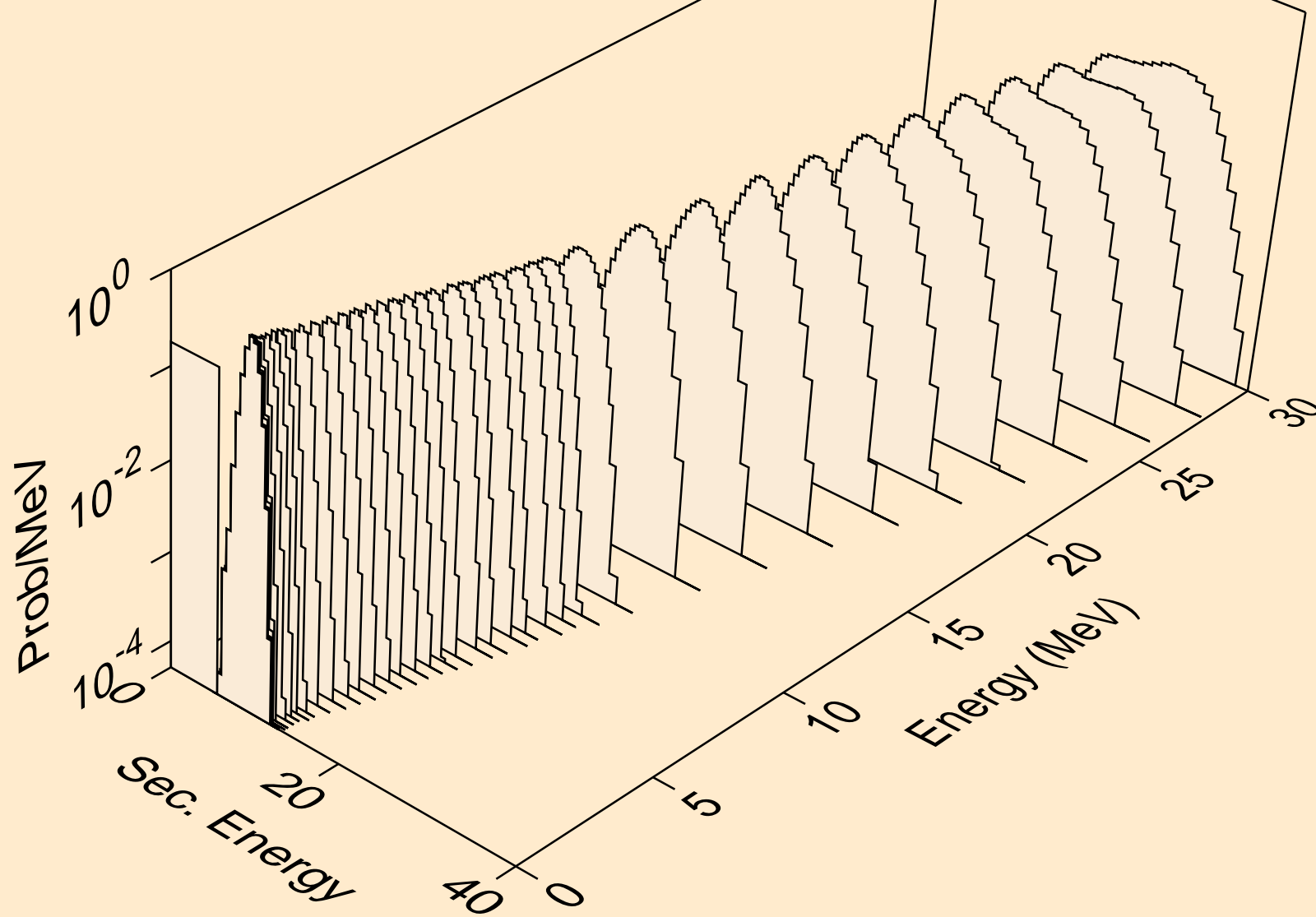
IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)

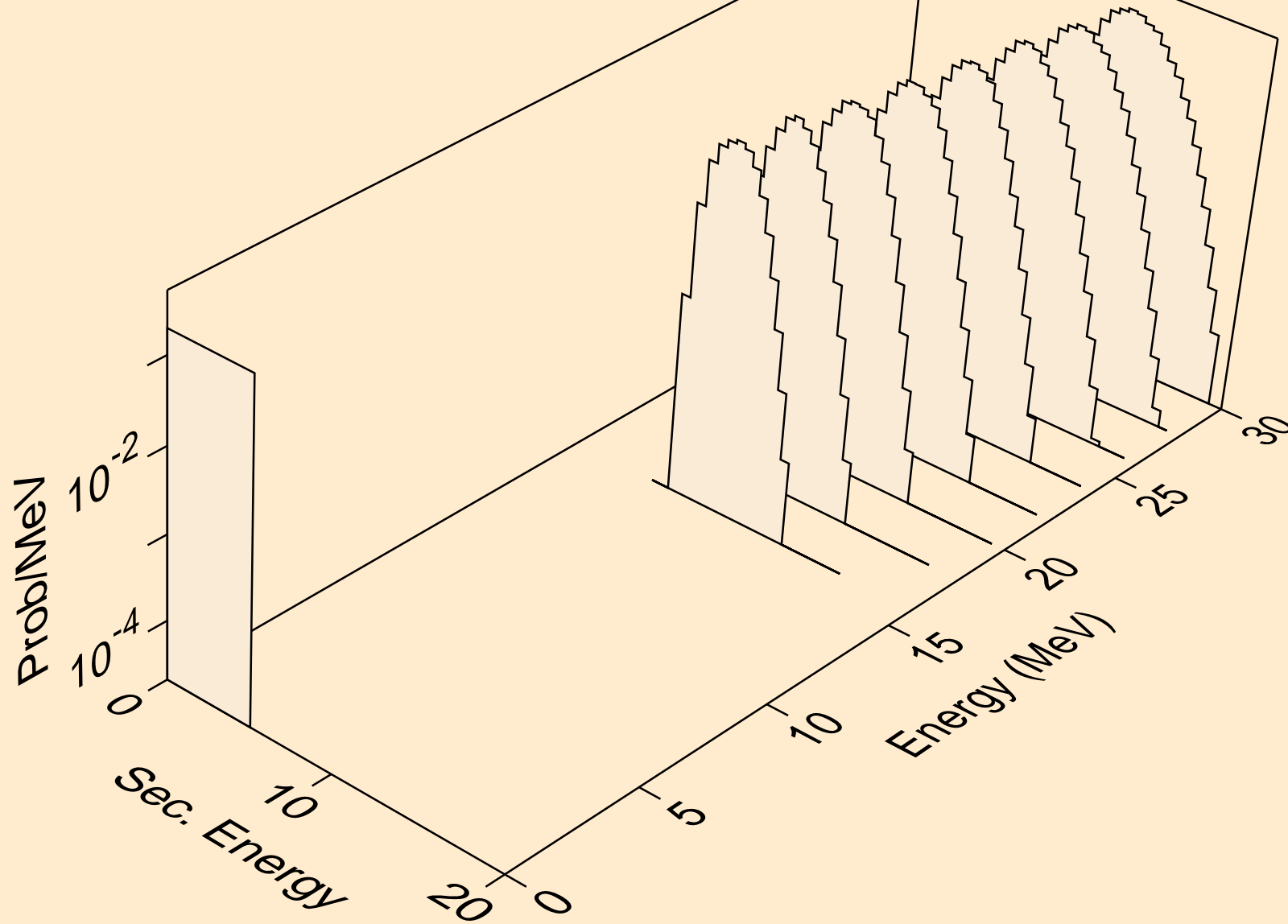


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alphas from (n,pa)

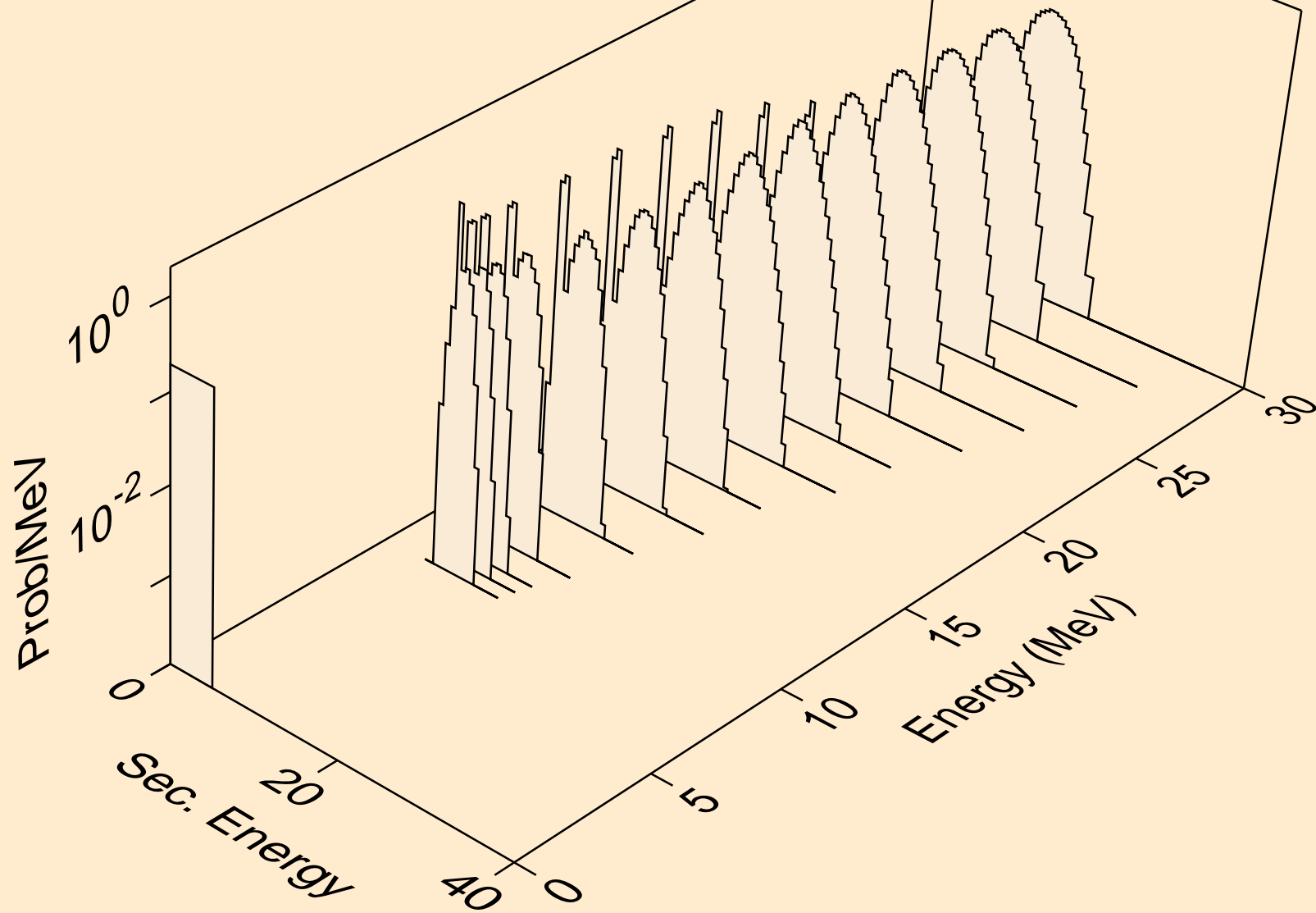




IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,t2a)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



IR171M NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

