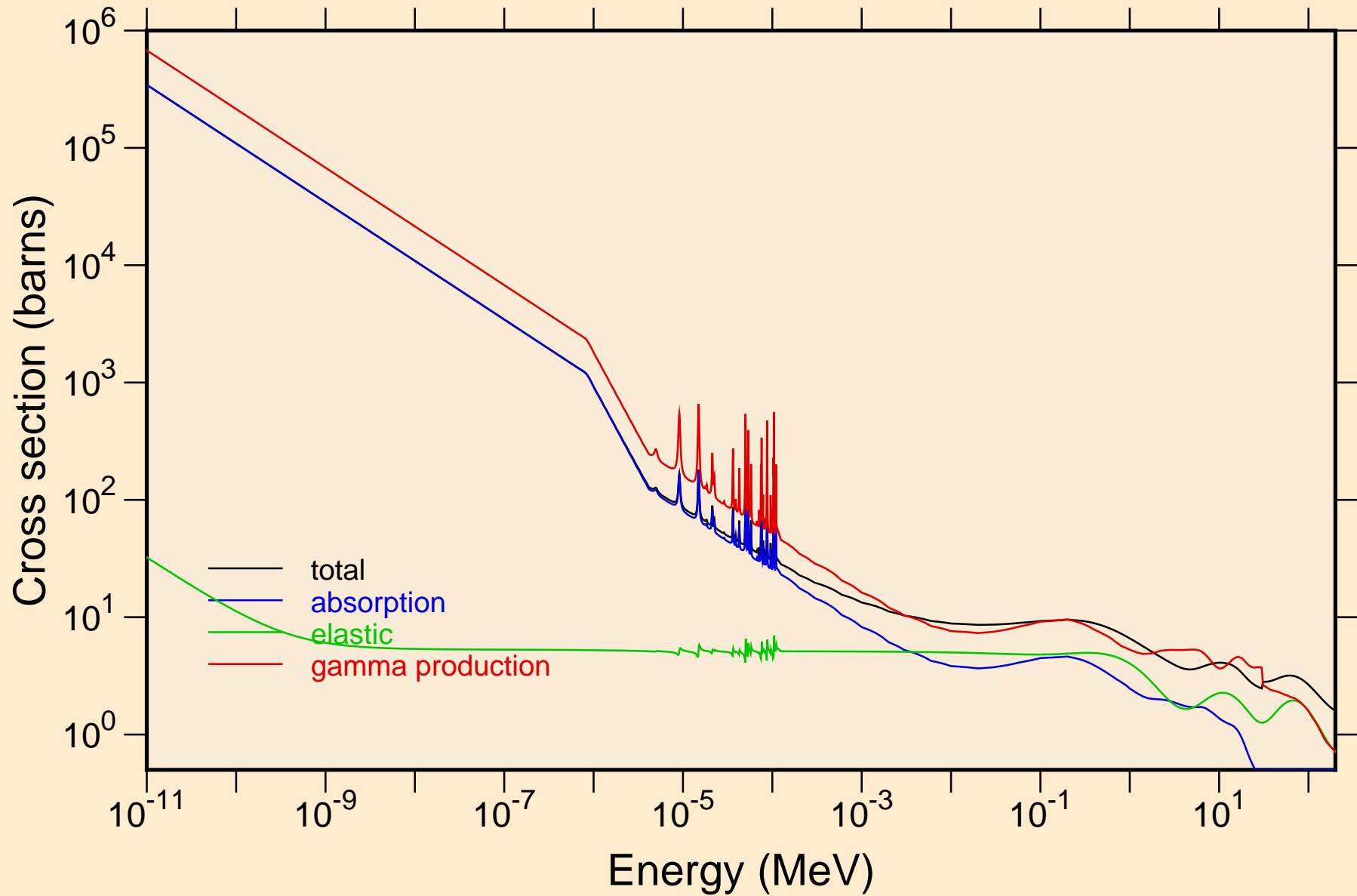
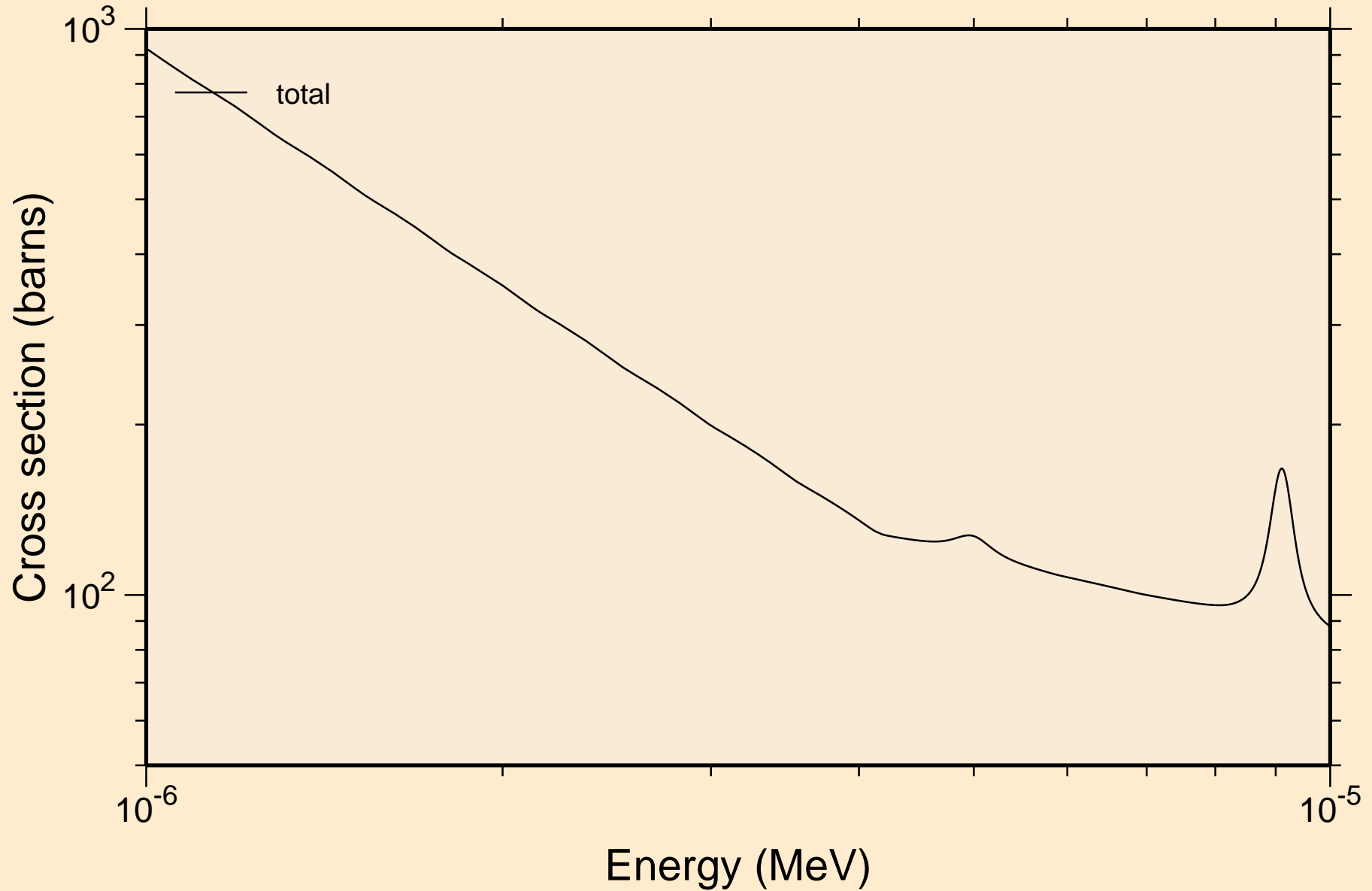


# TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

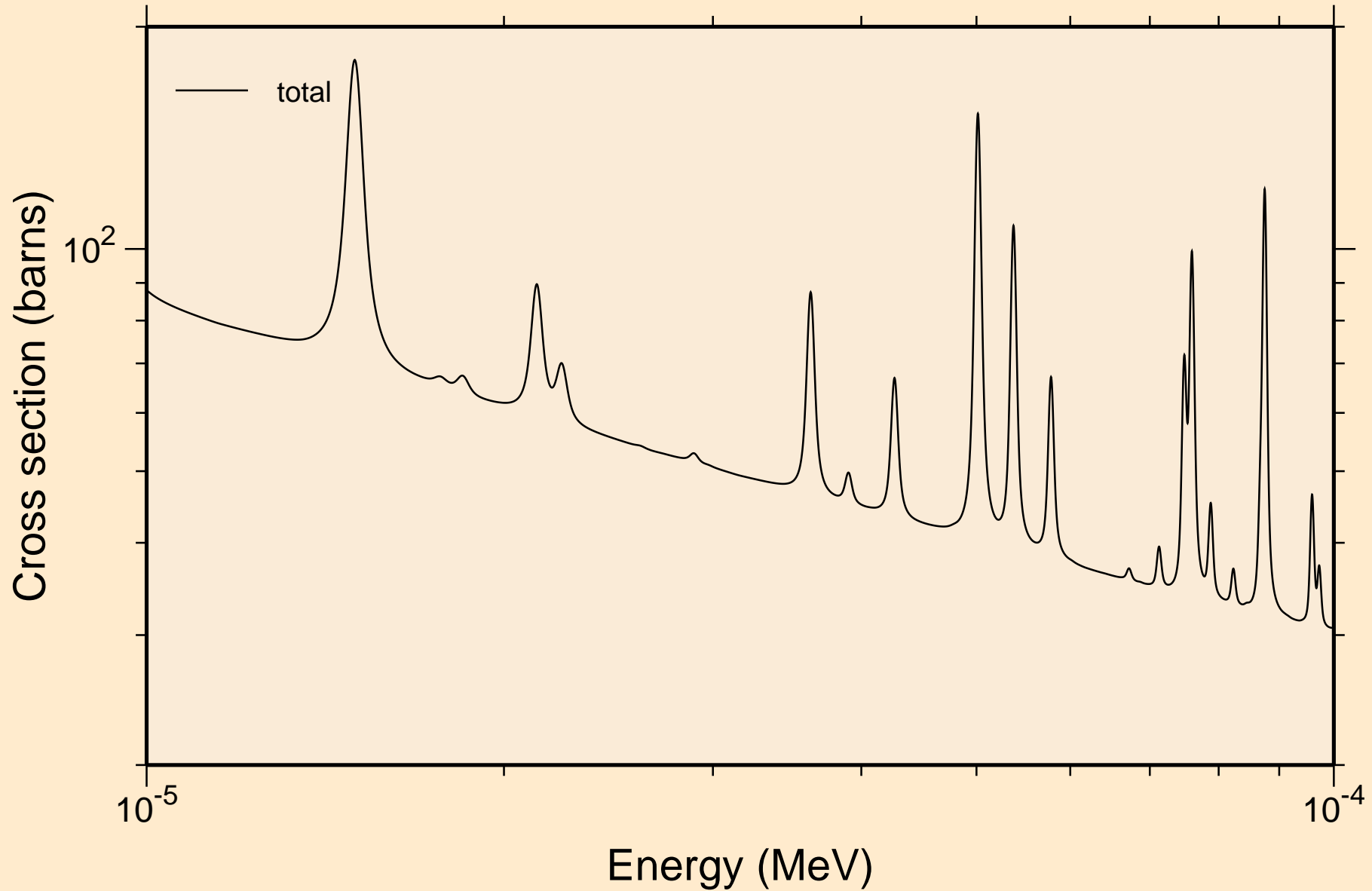
## Principal cross sections



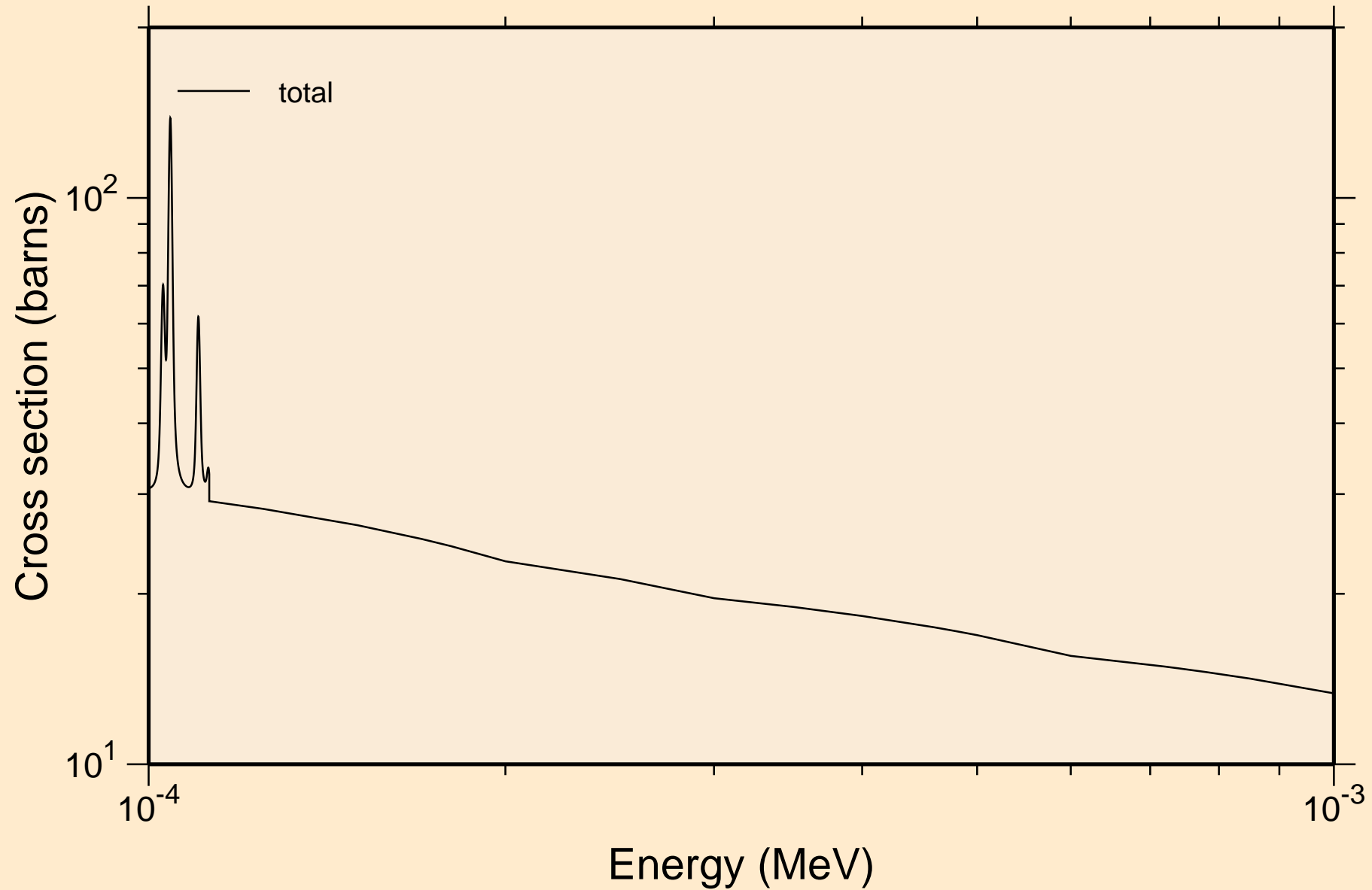
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resonance total cross section



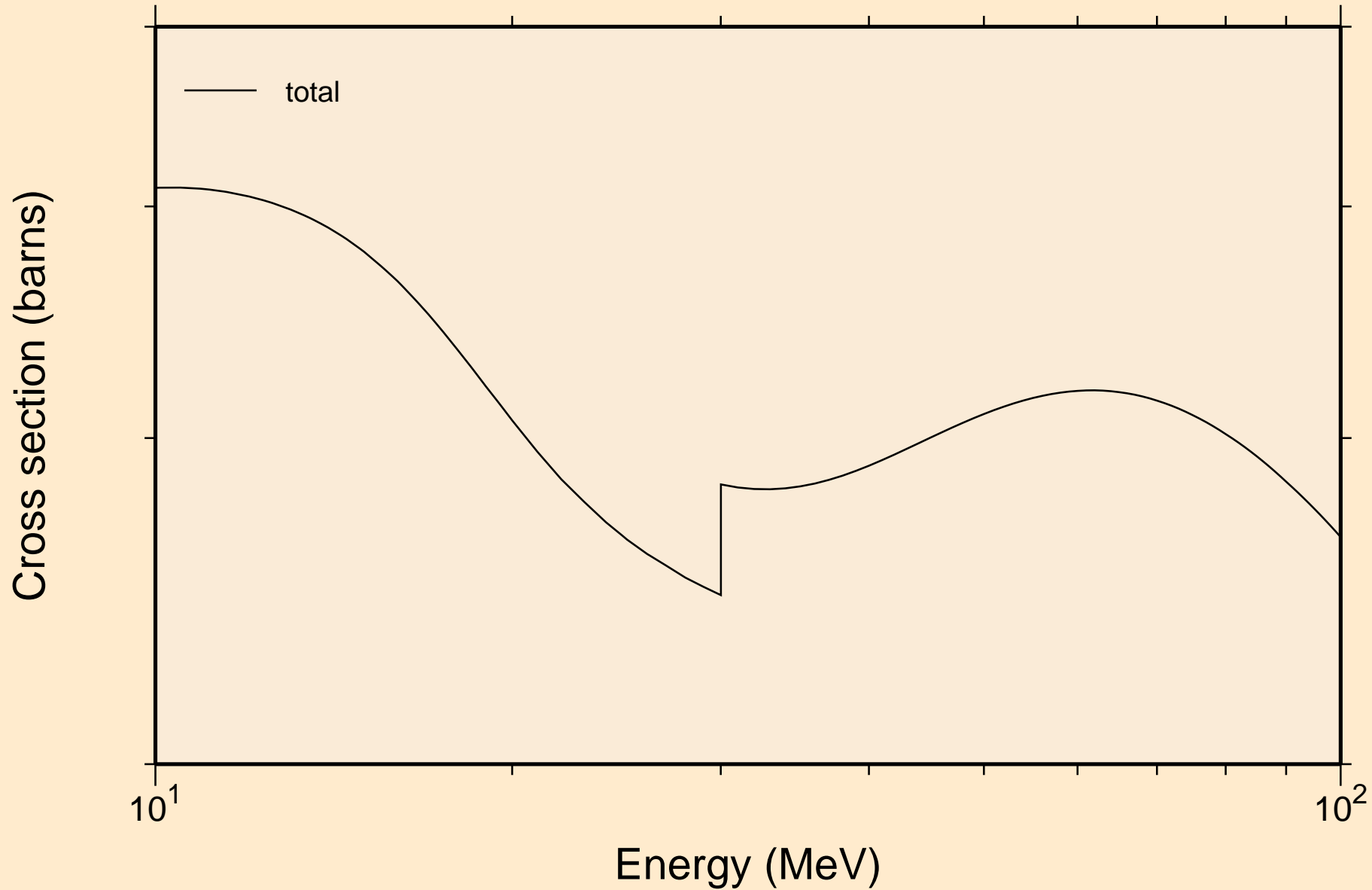
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



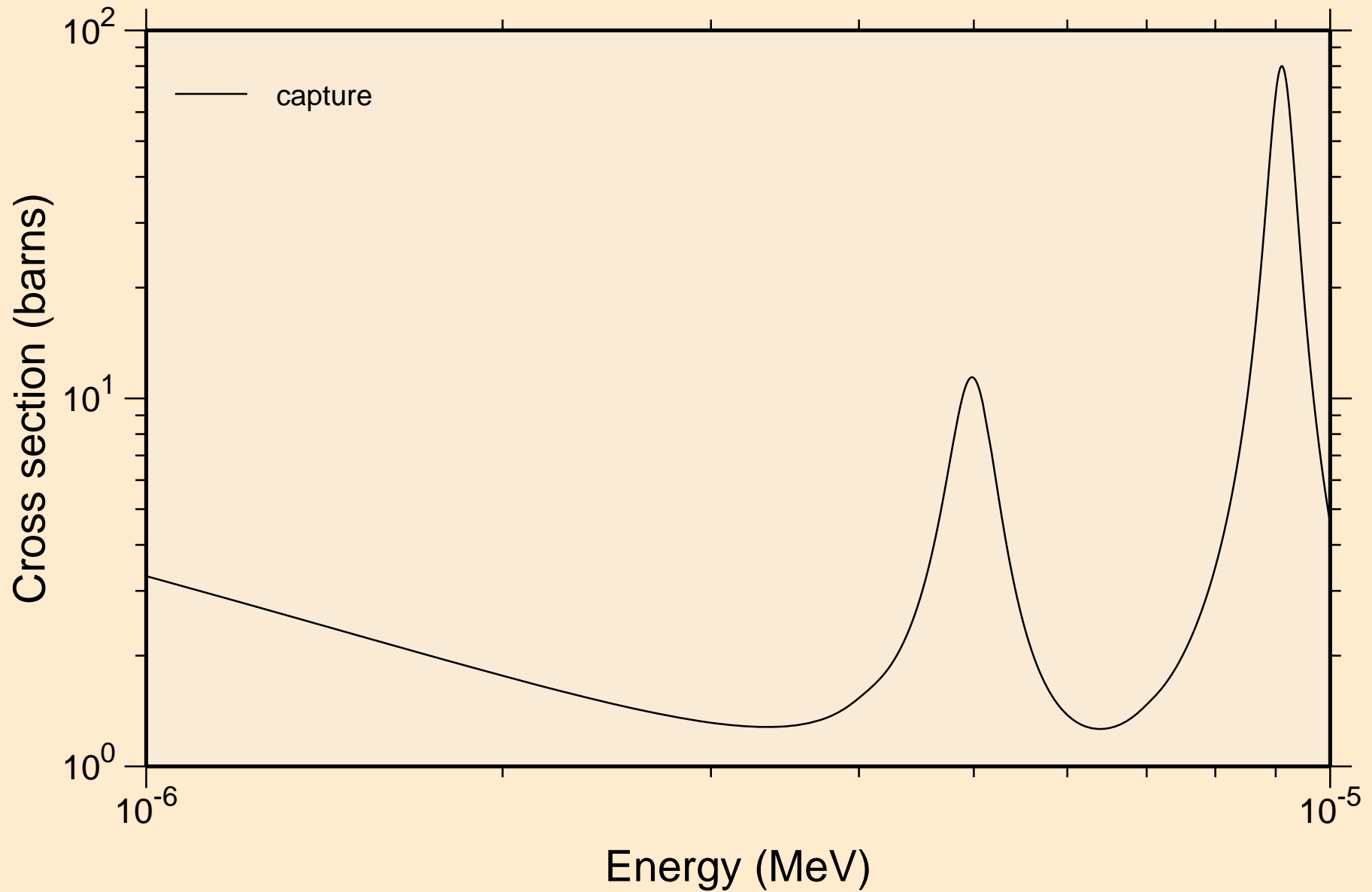
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



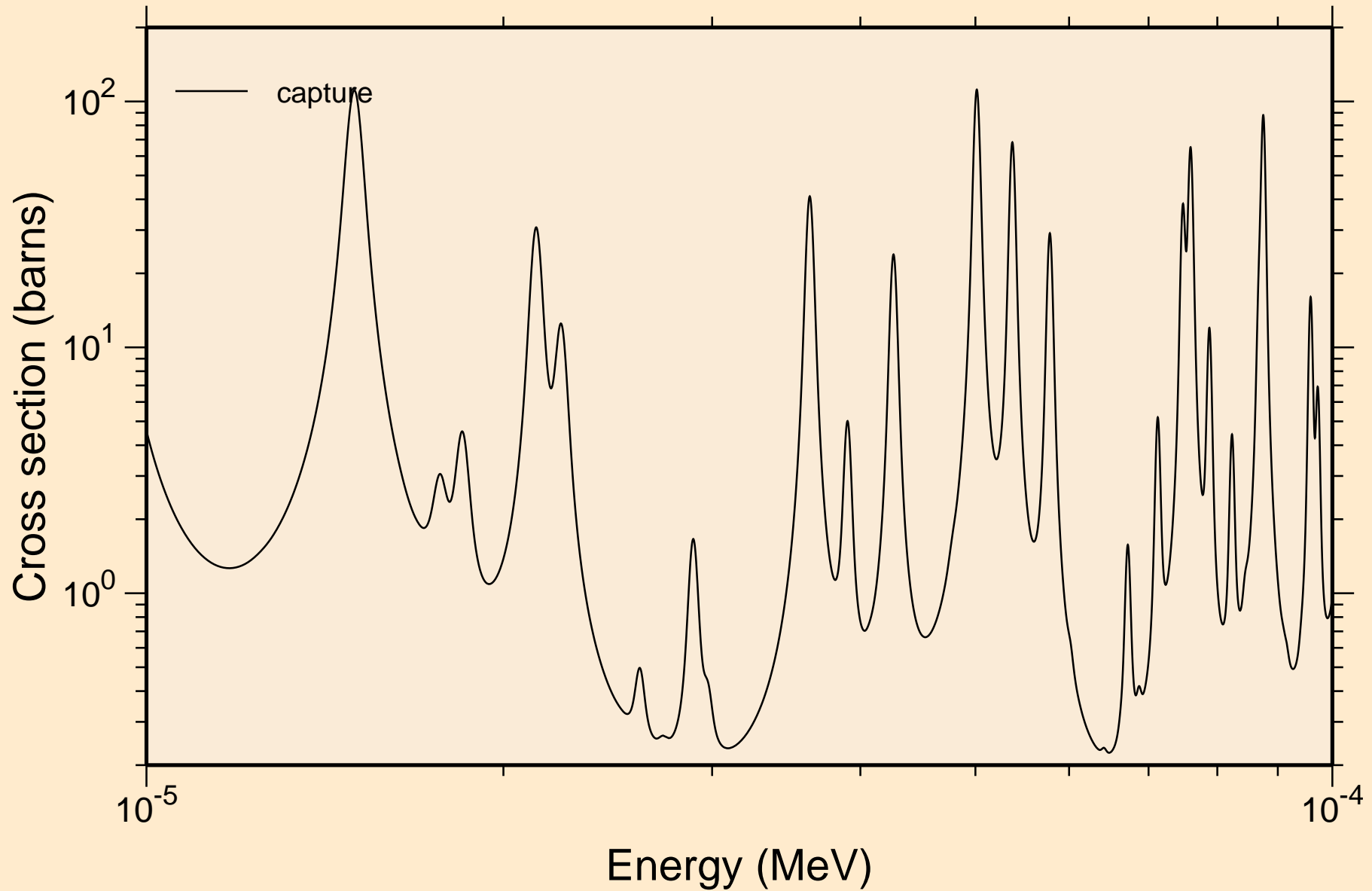
T̄C089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



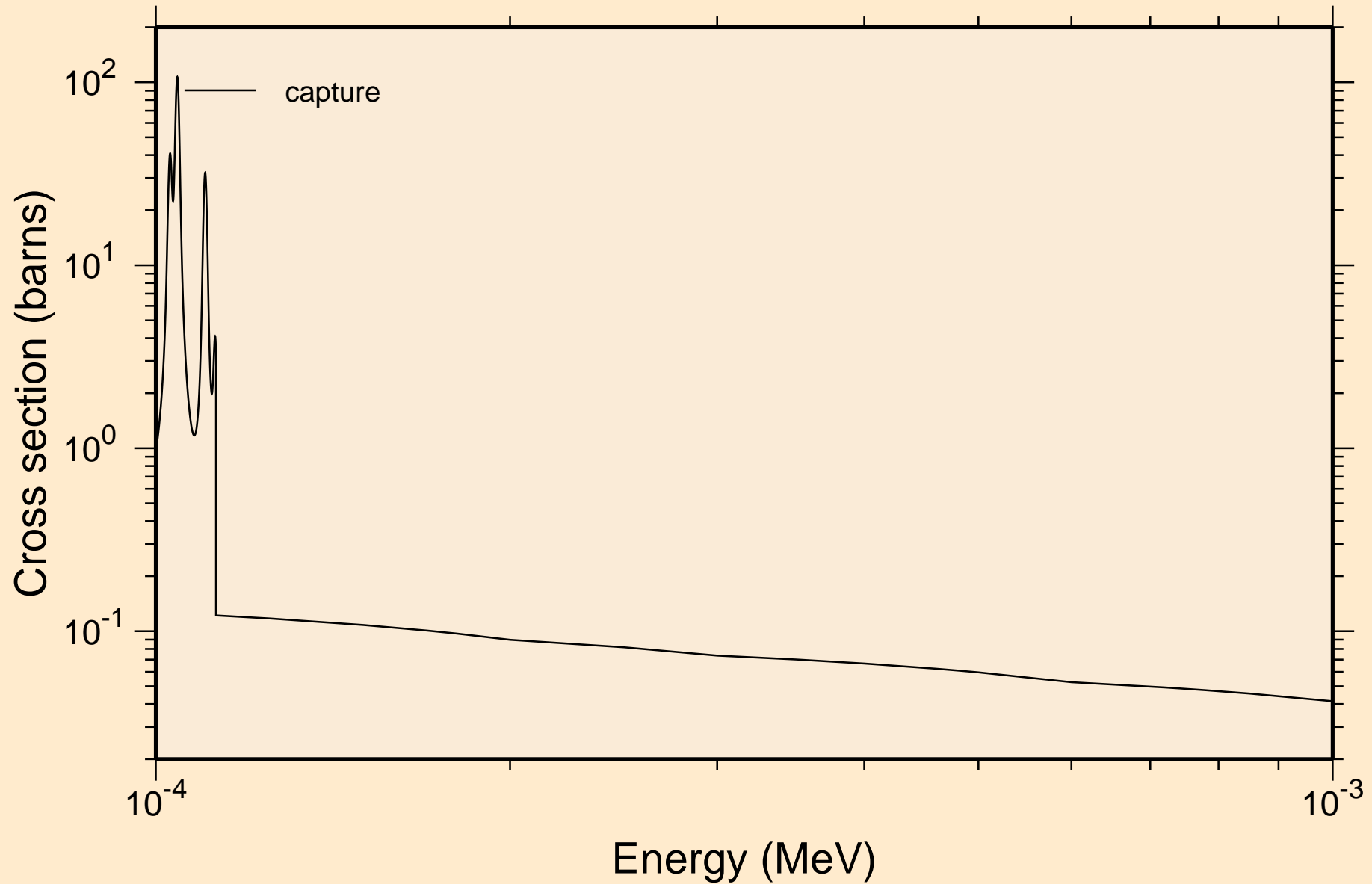
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

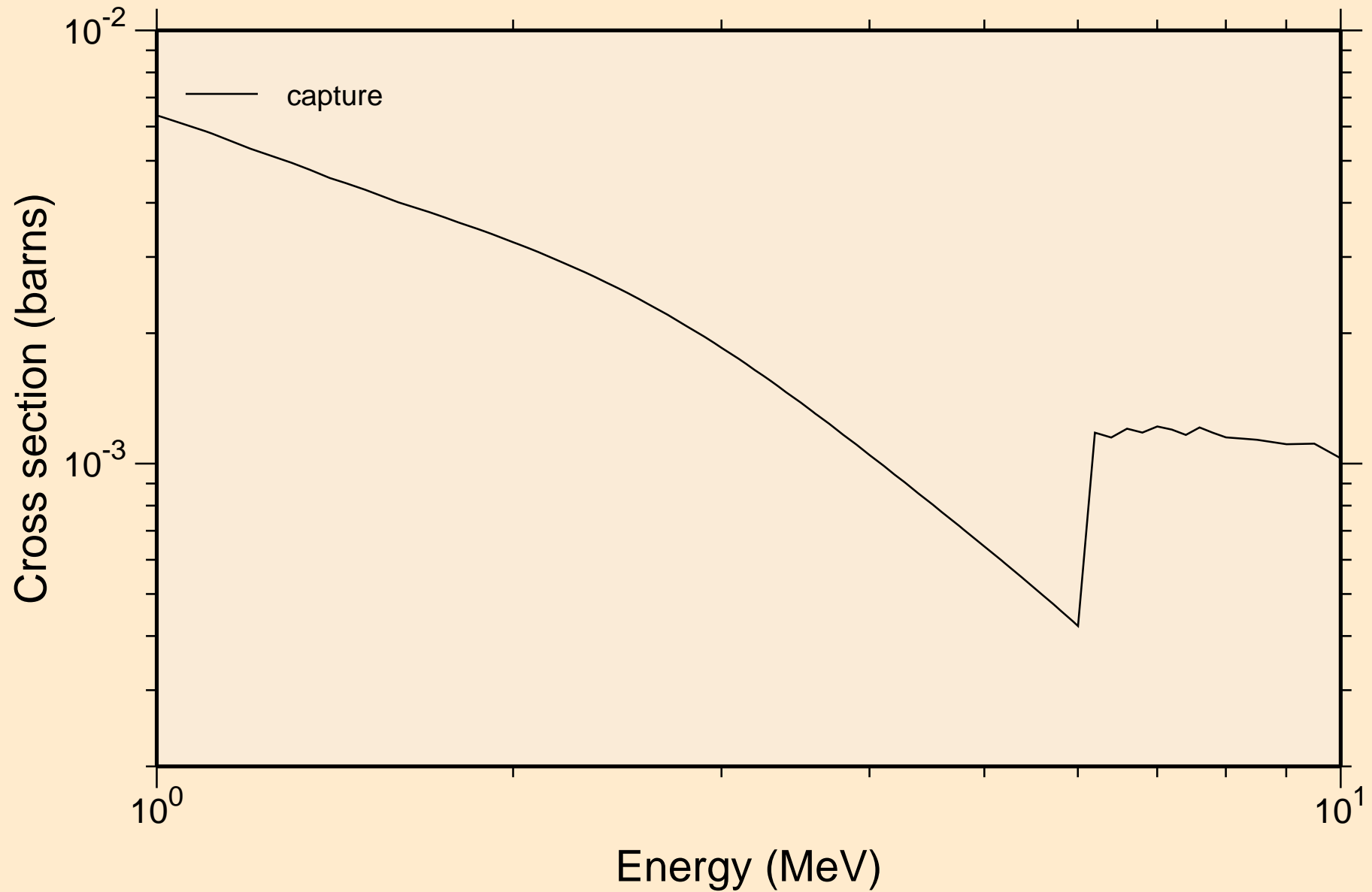


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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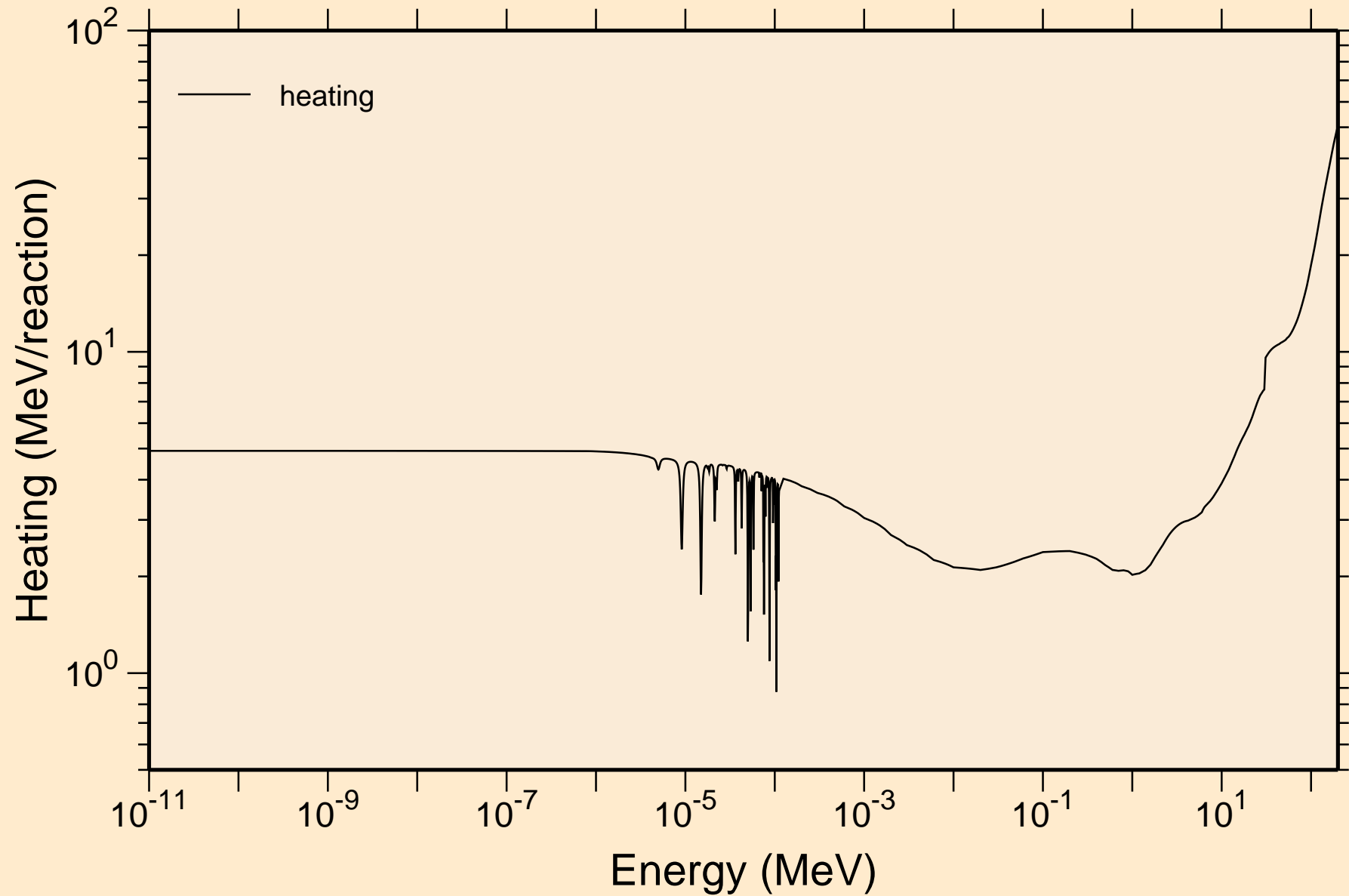




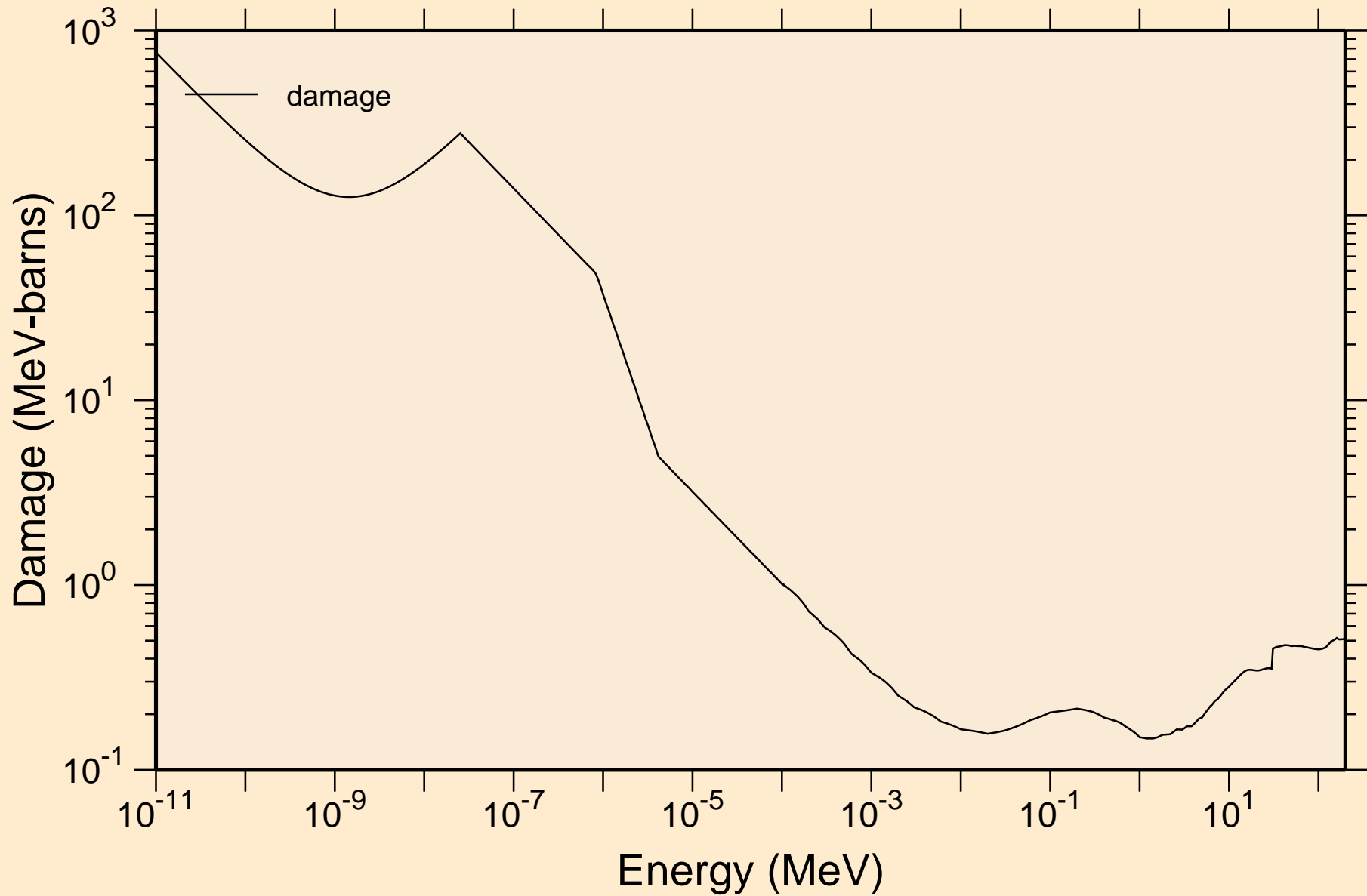
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



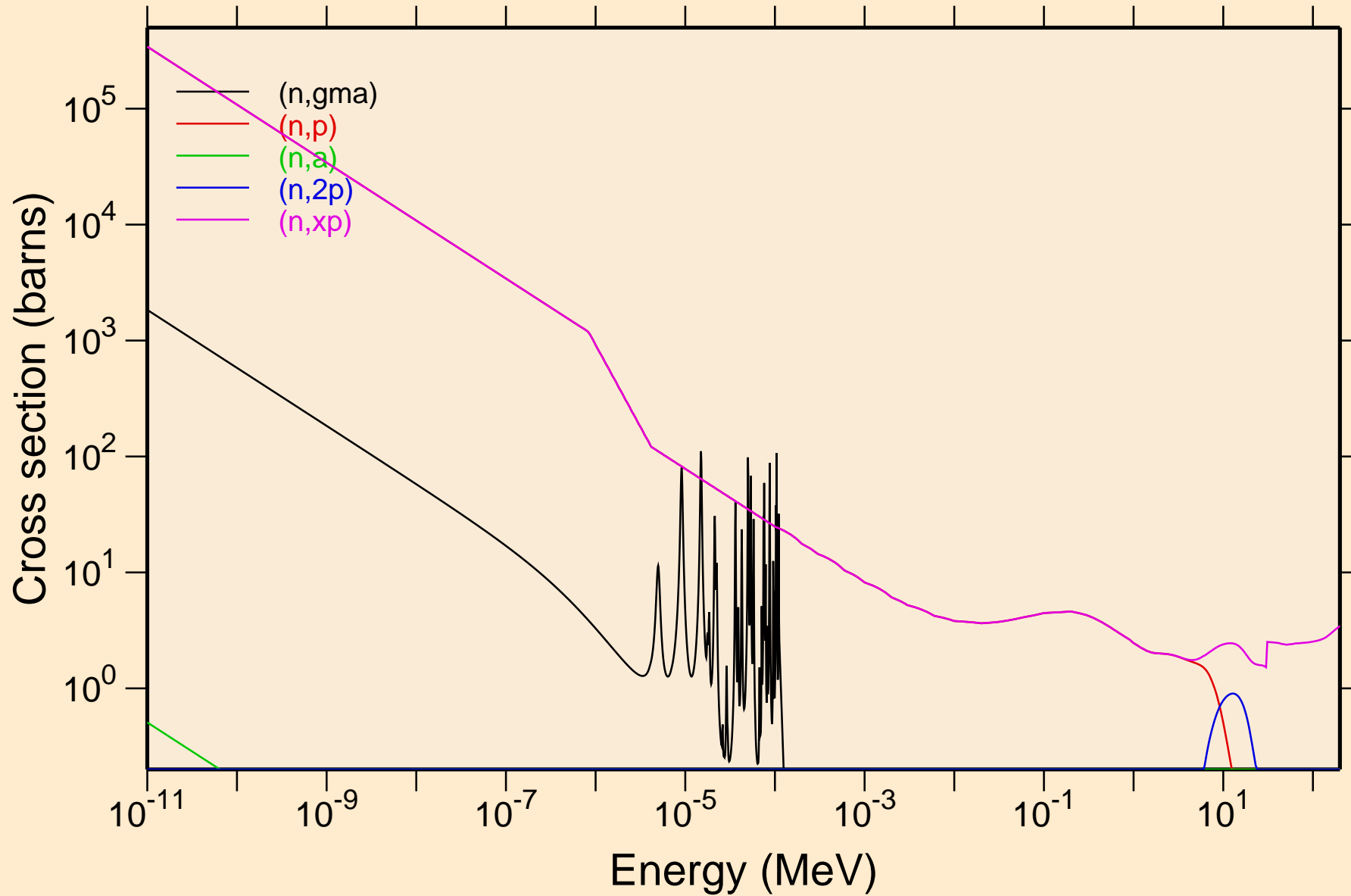
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



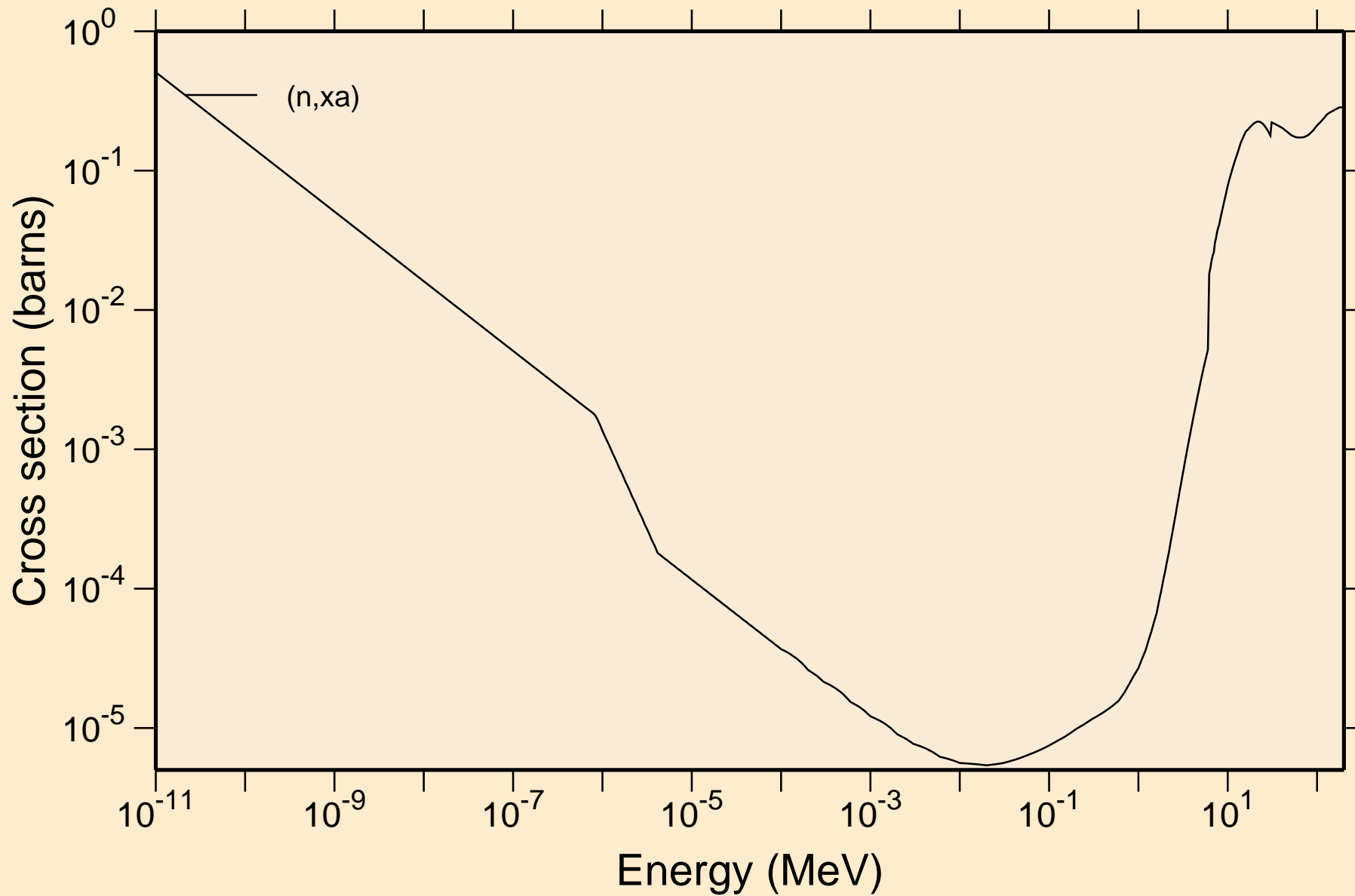
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Damage



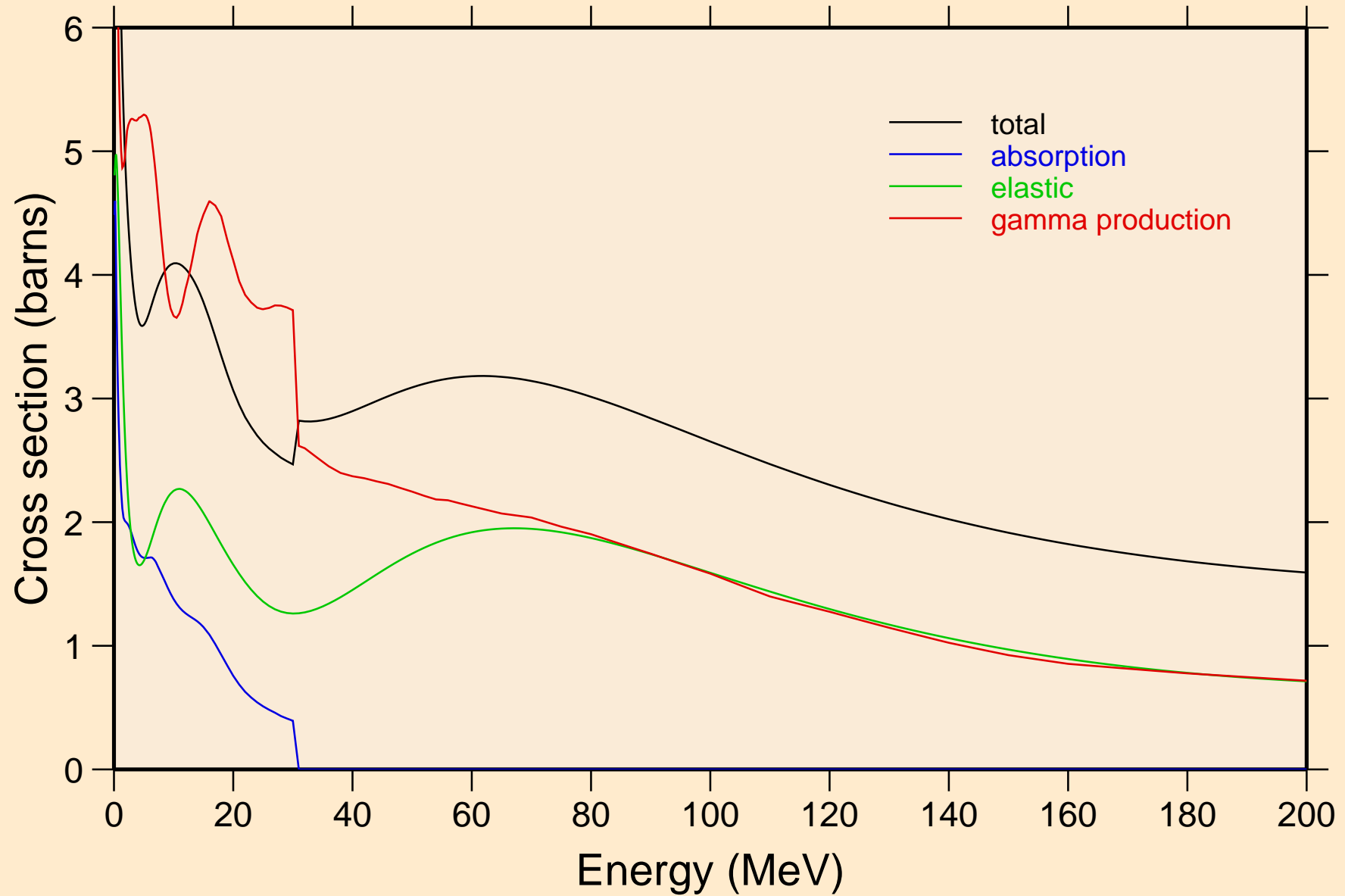
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

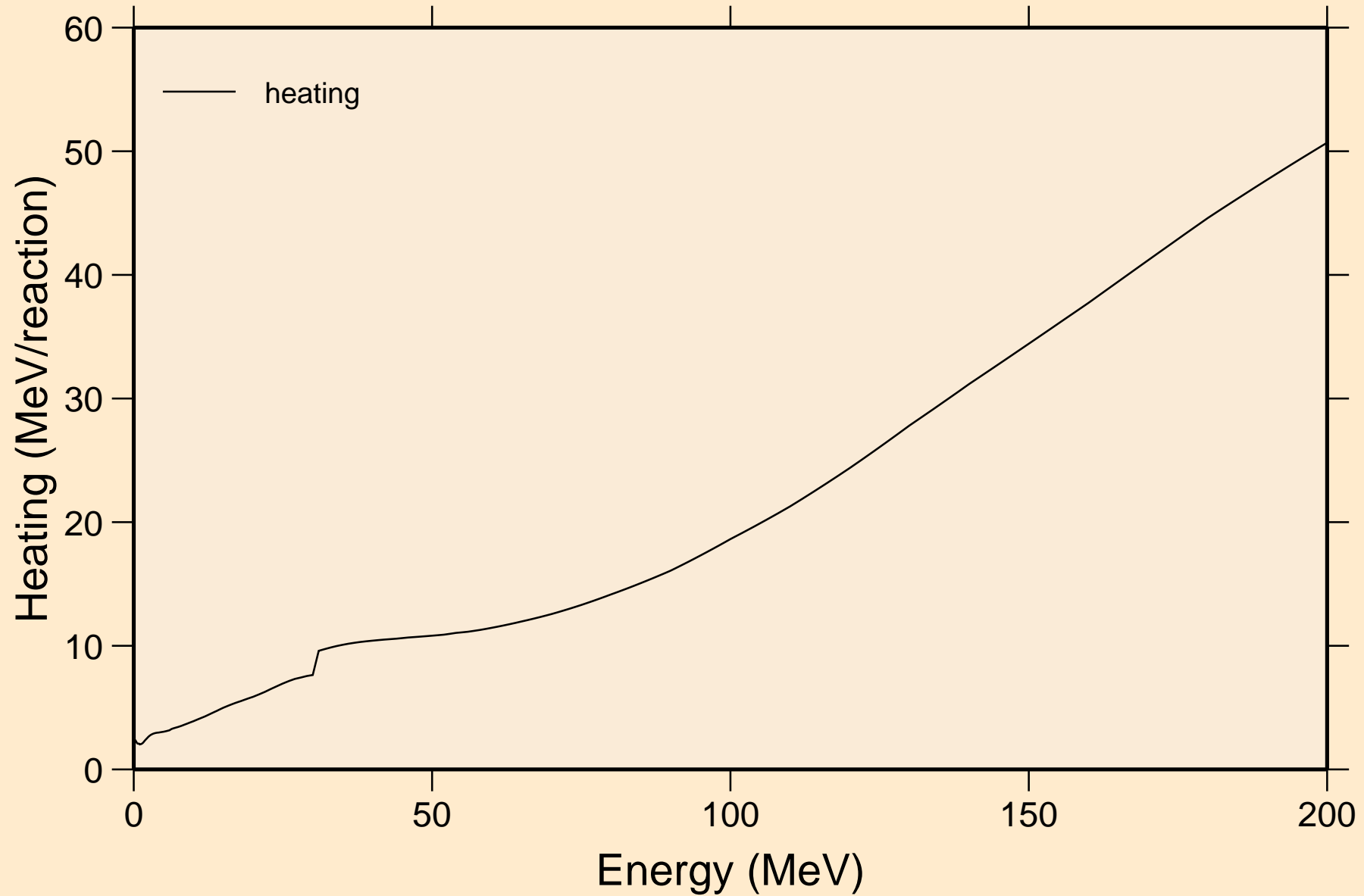


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

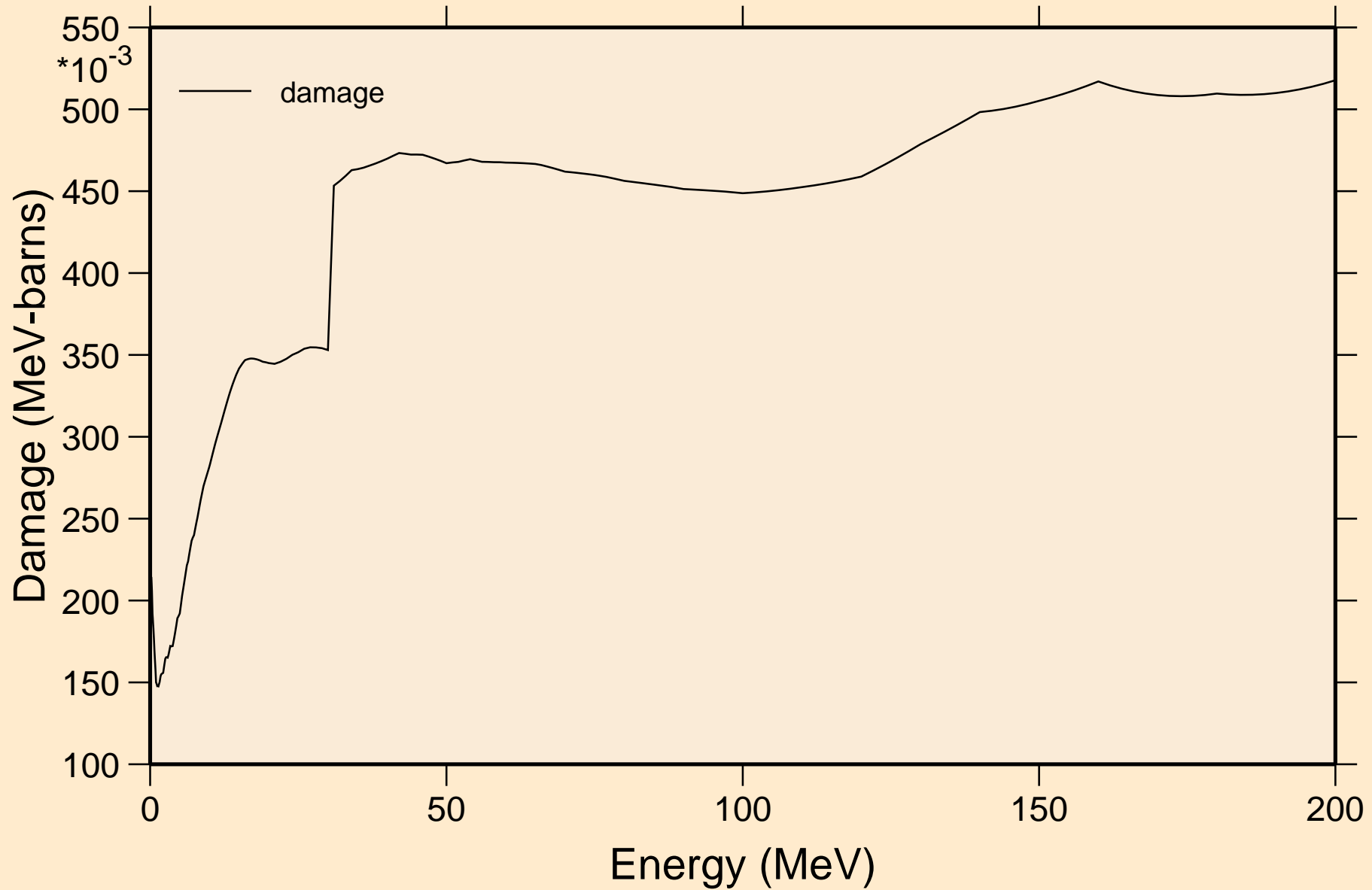


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Heating

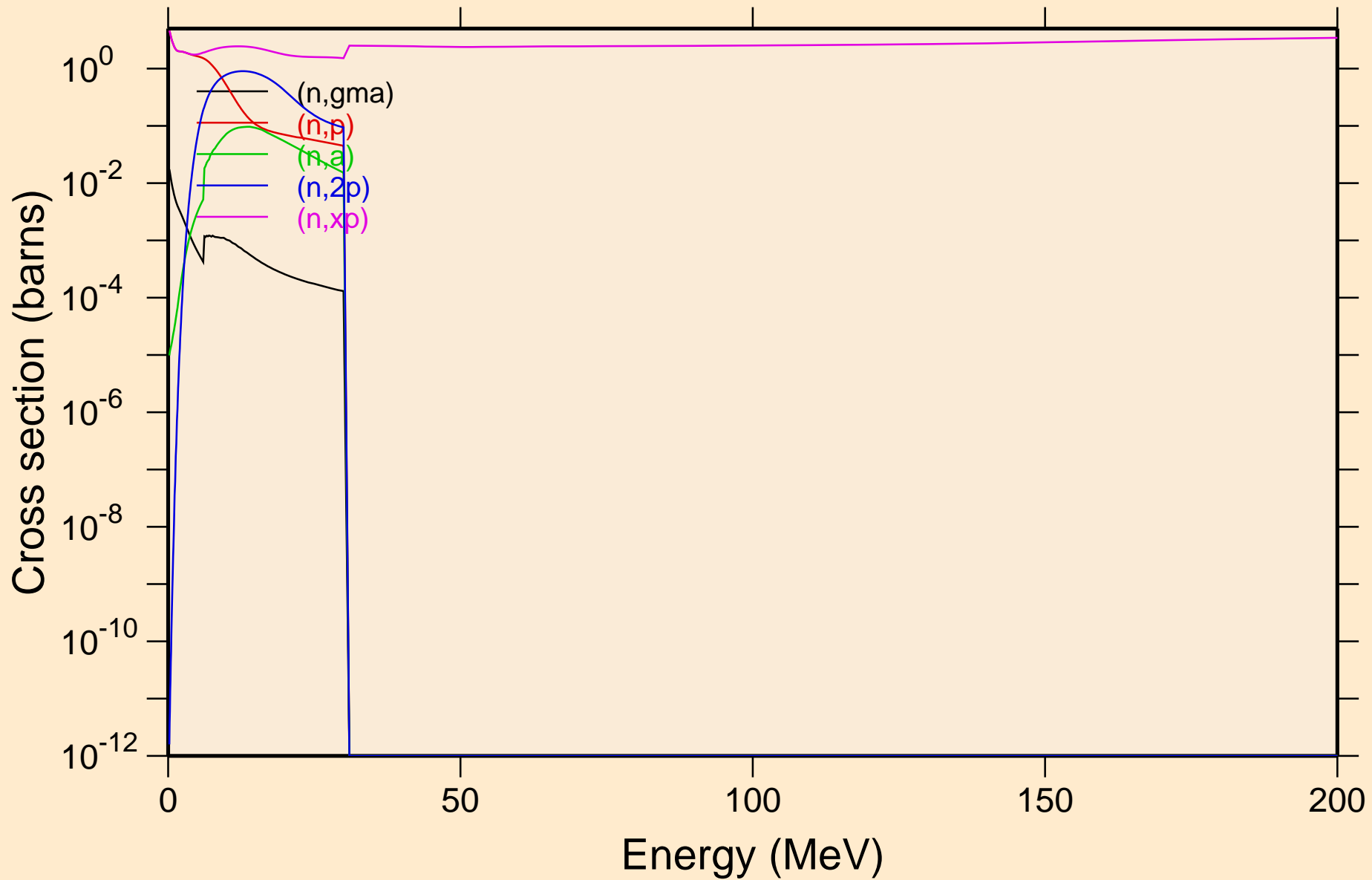


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Damage

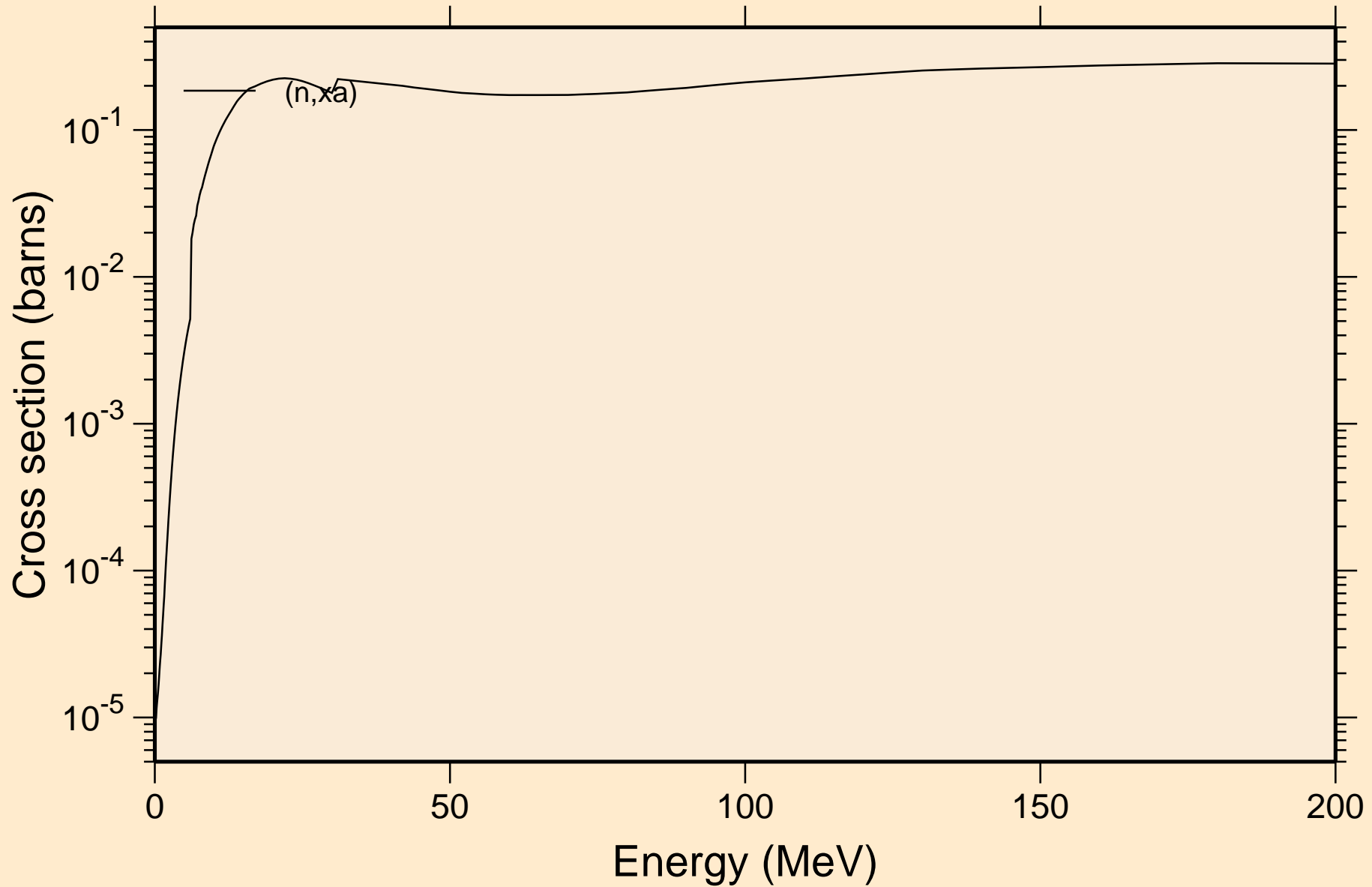




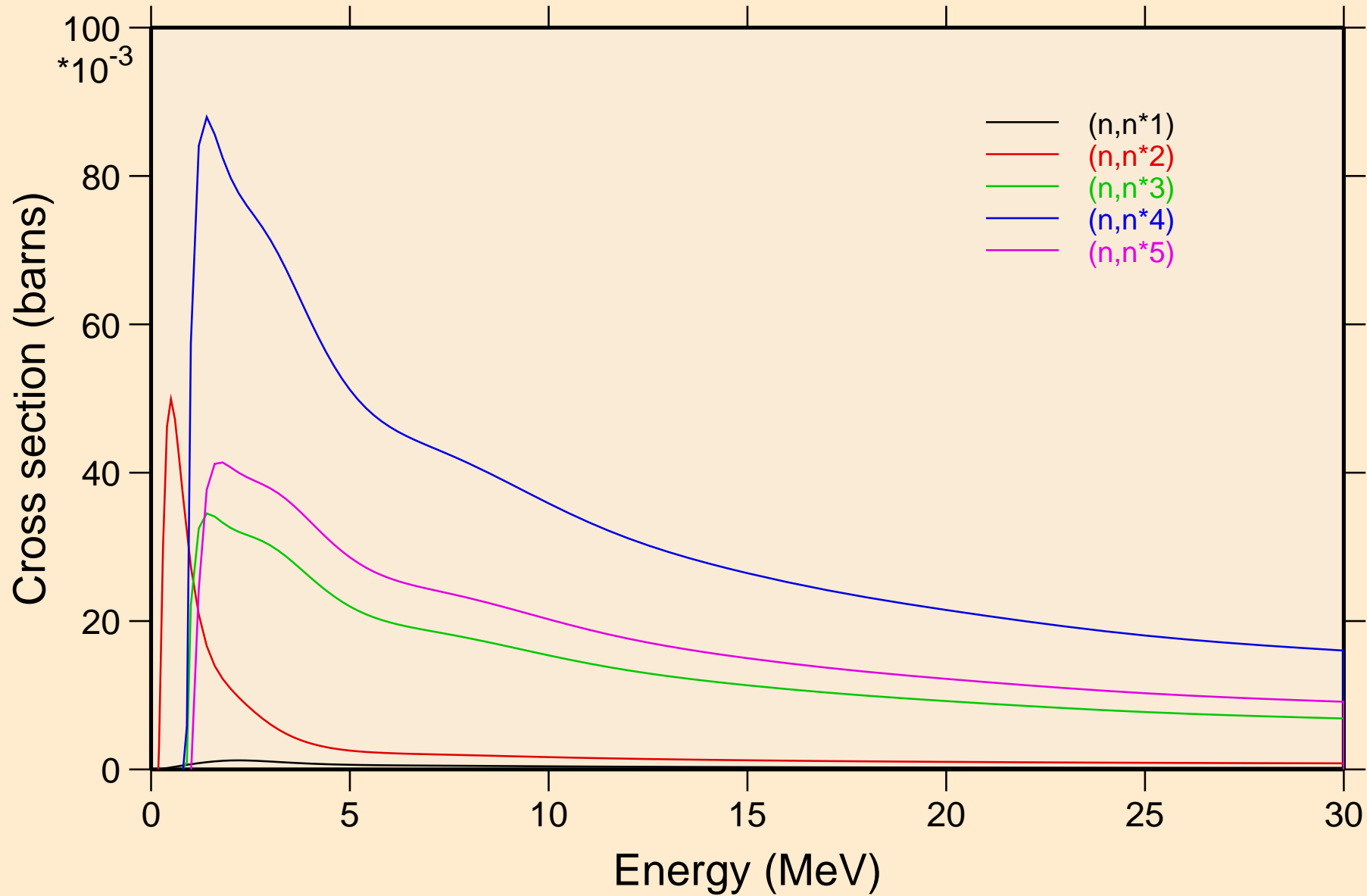
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Non-threshold reactions



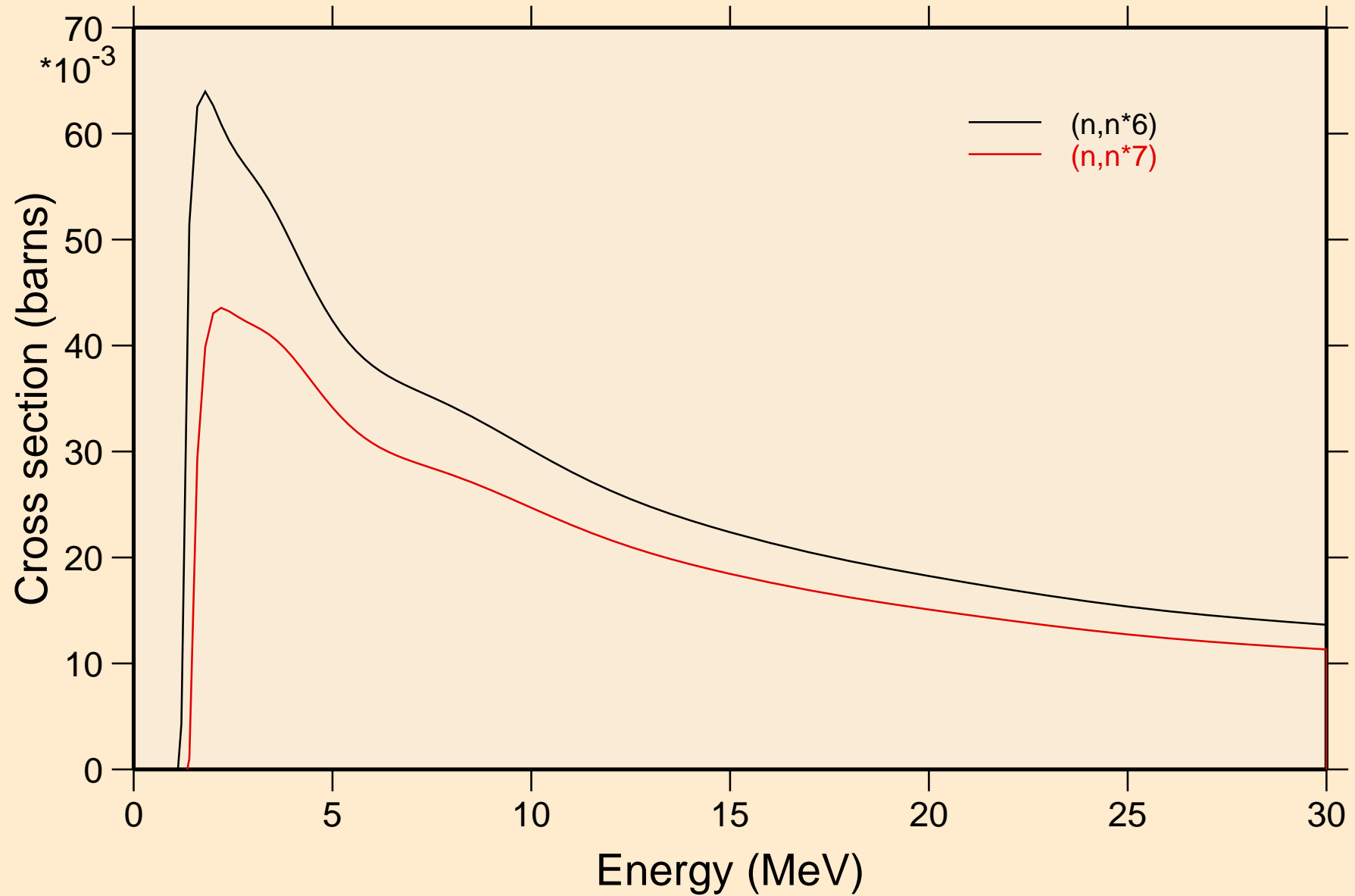
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Non-threshold reactions



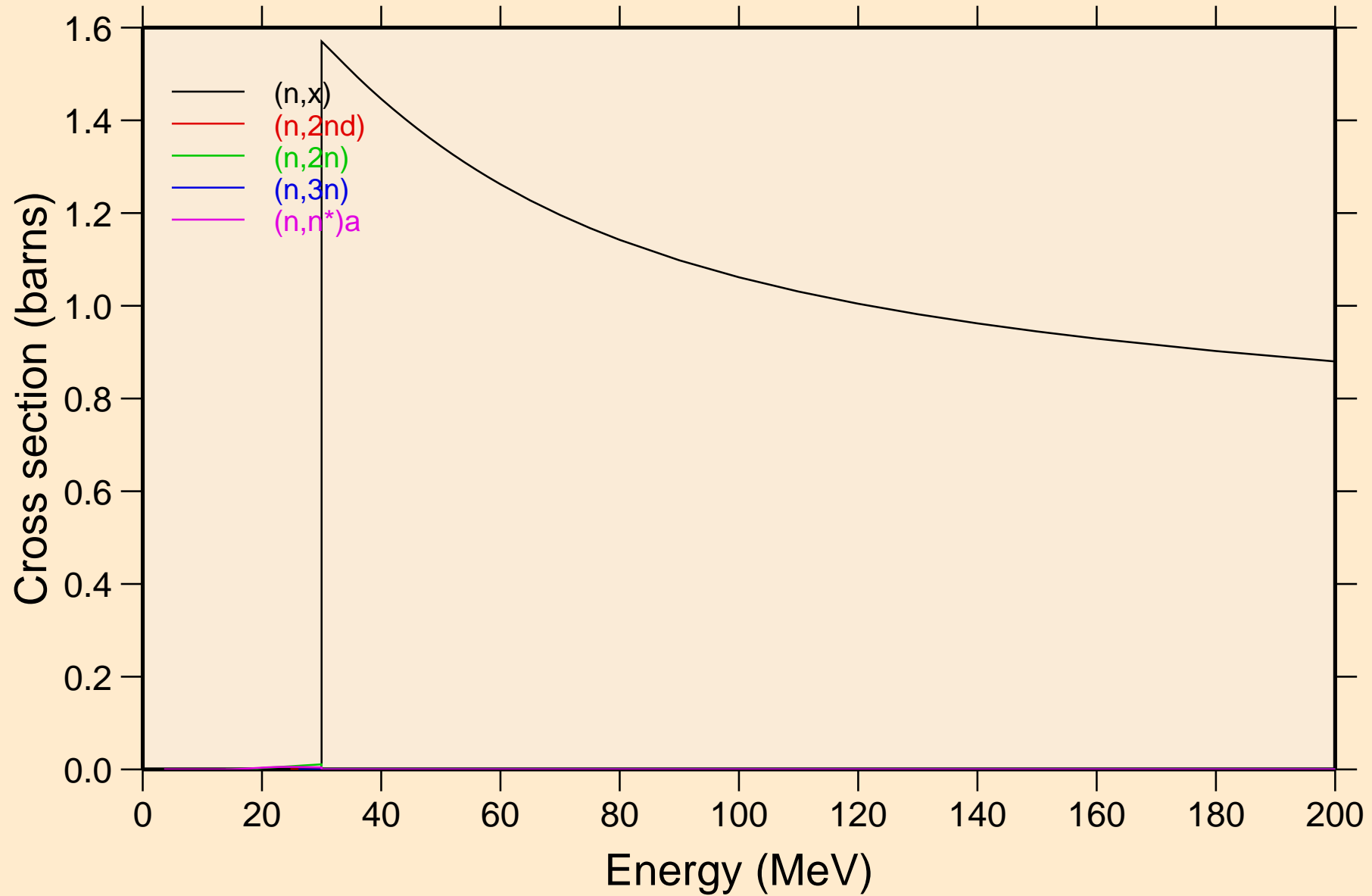
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



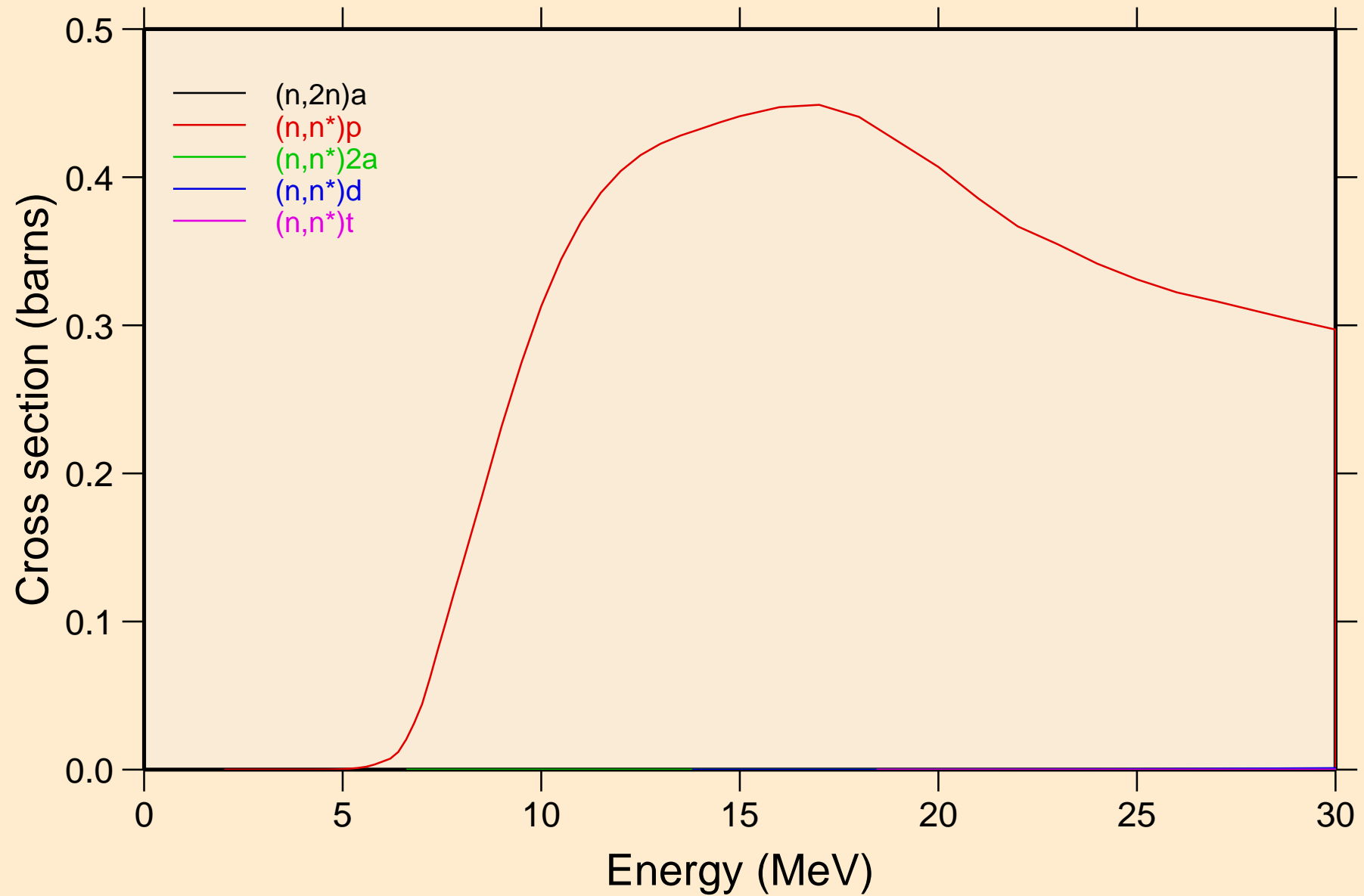
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Inelastic levels



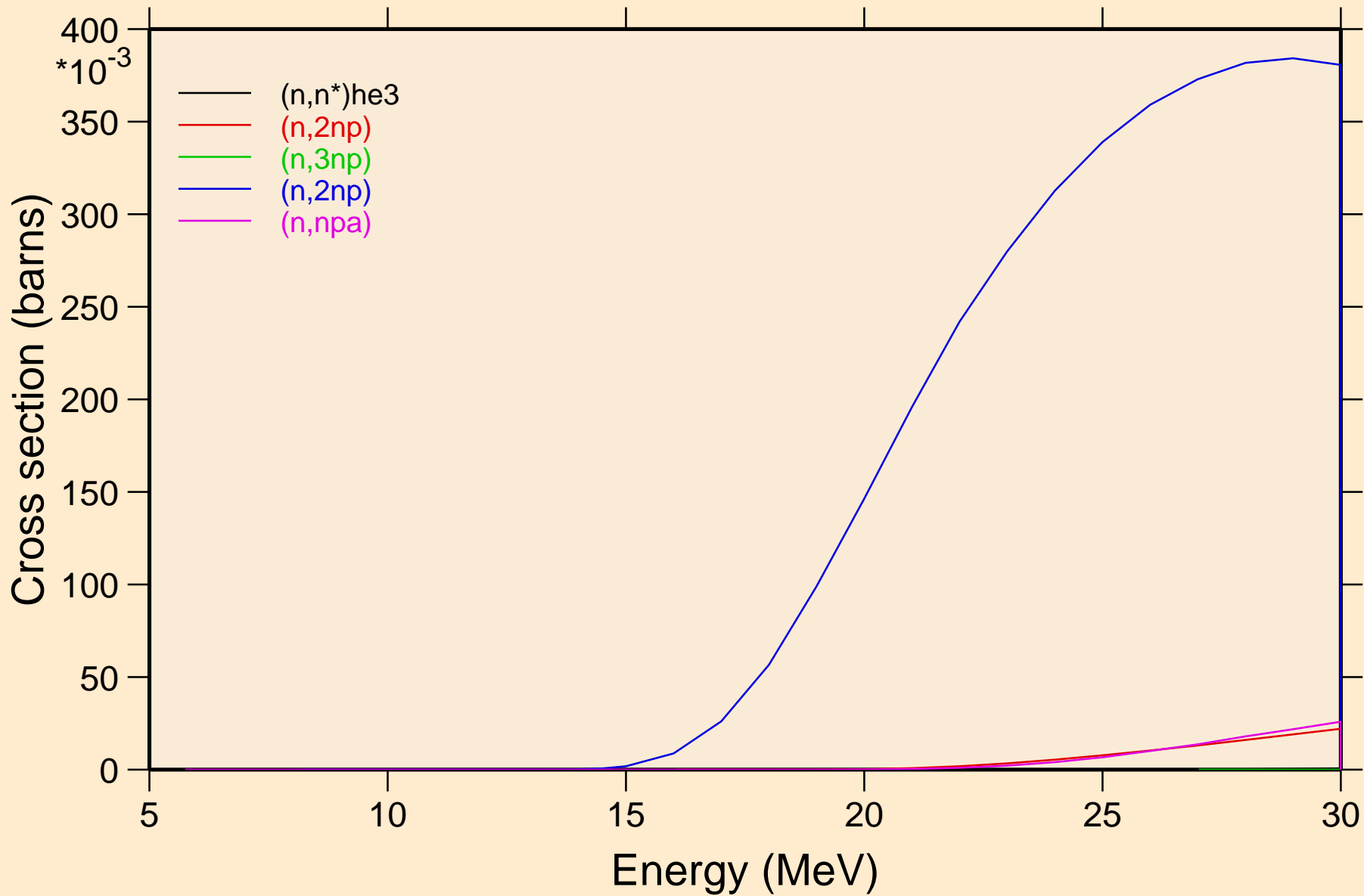
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



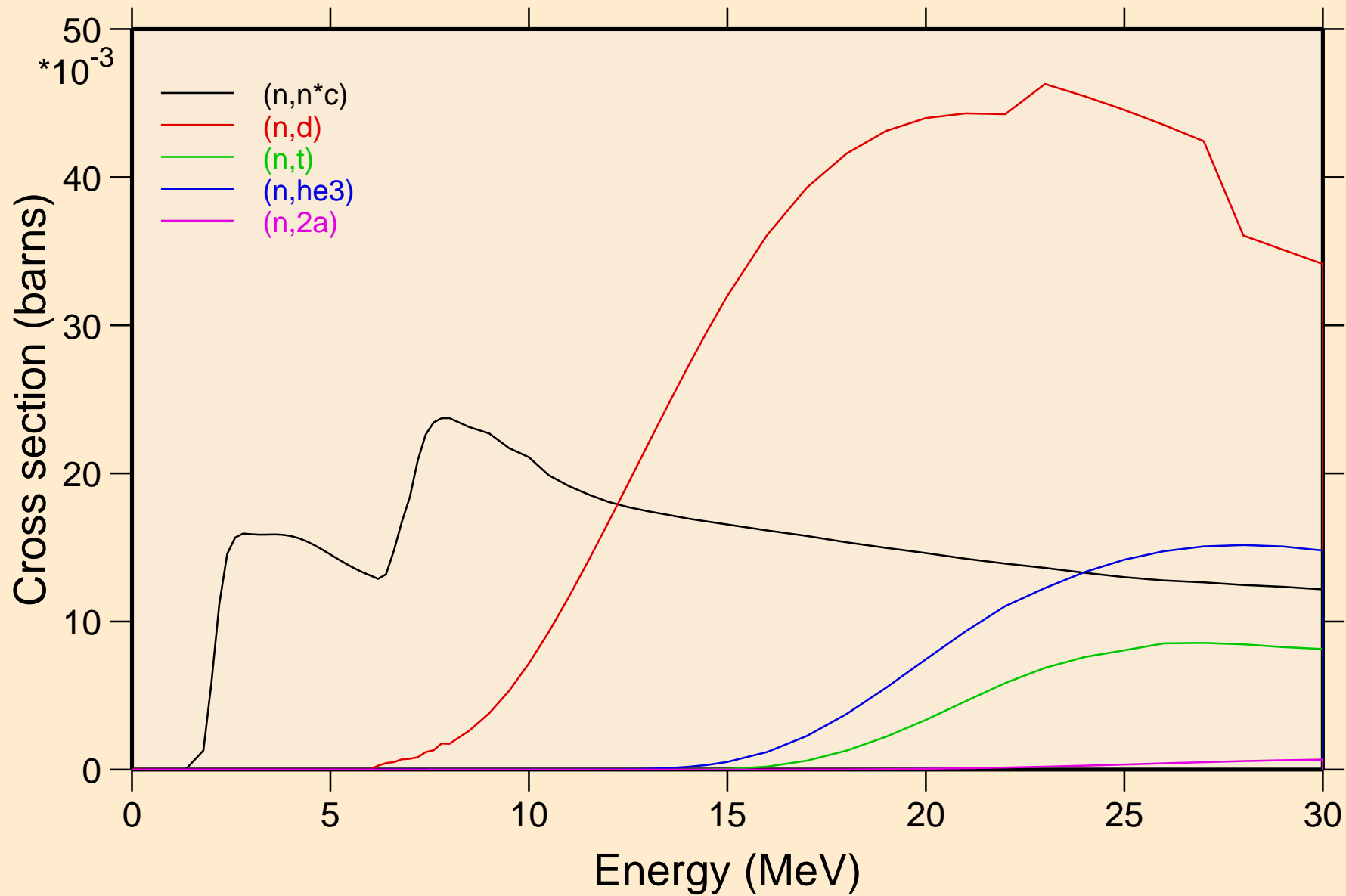
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

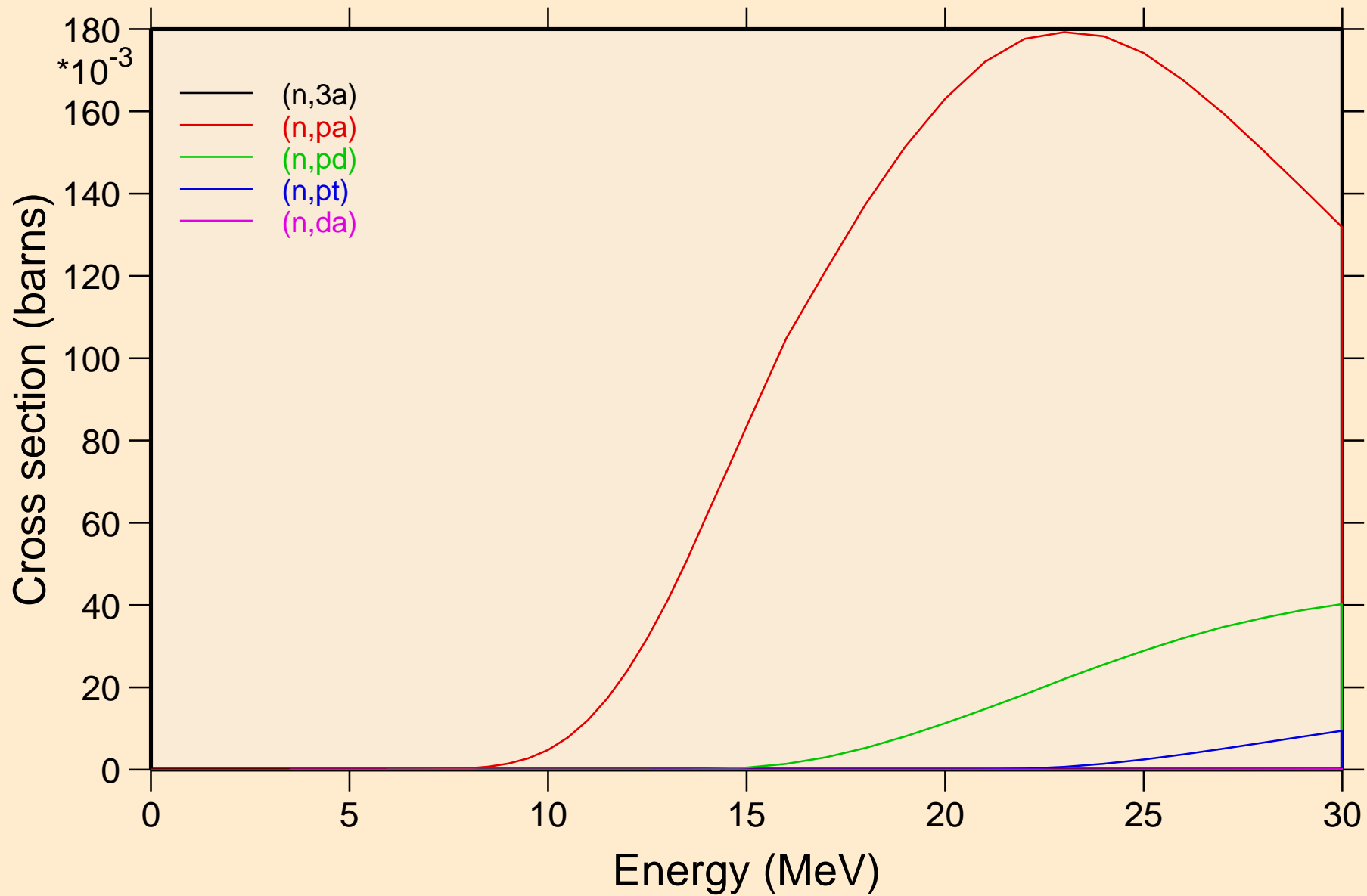


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Threshold reactions

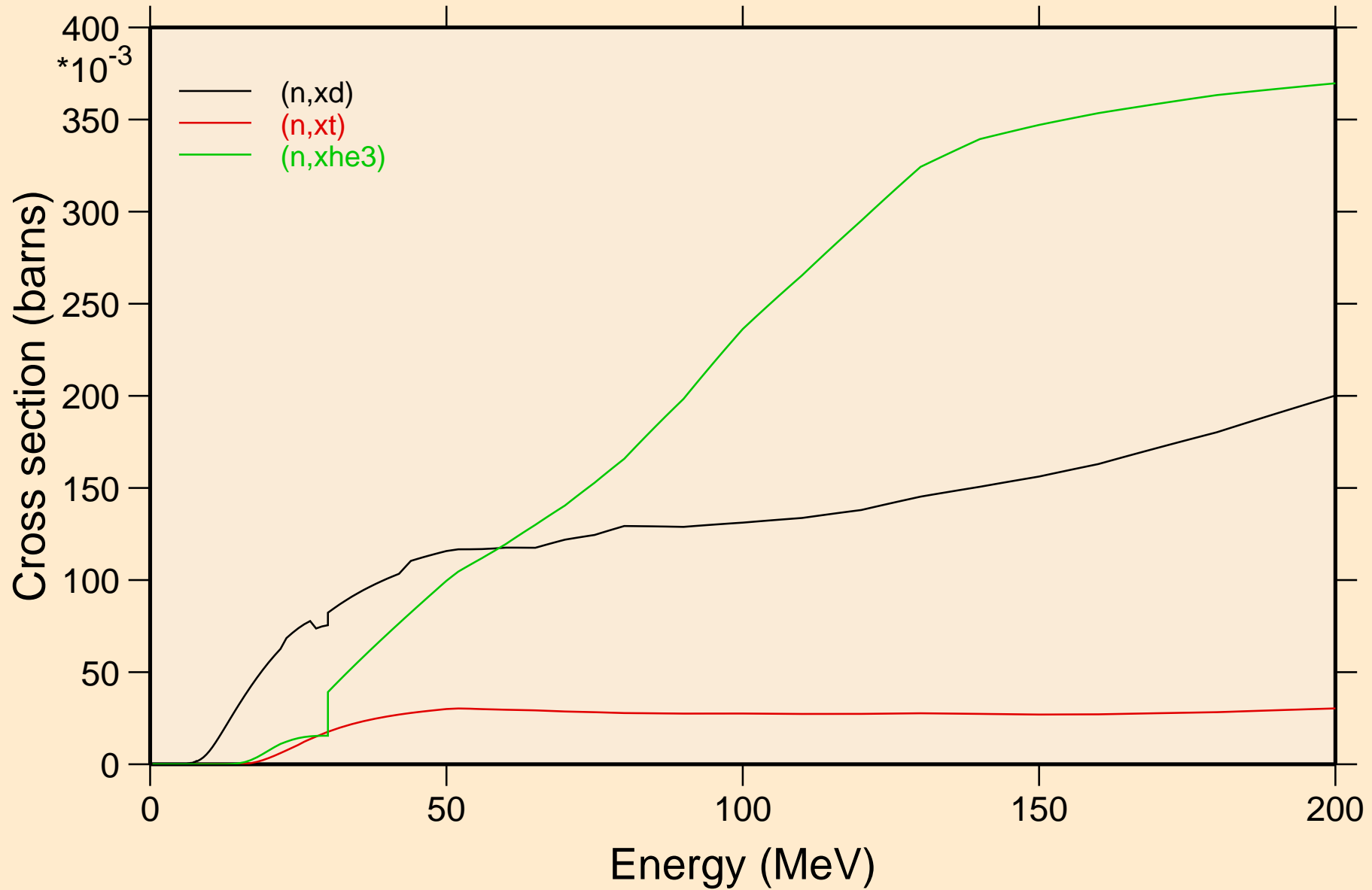




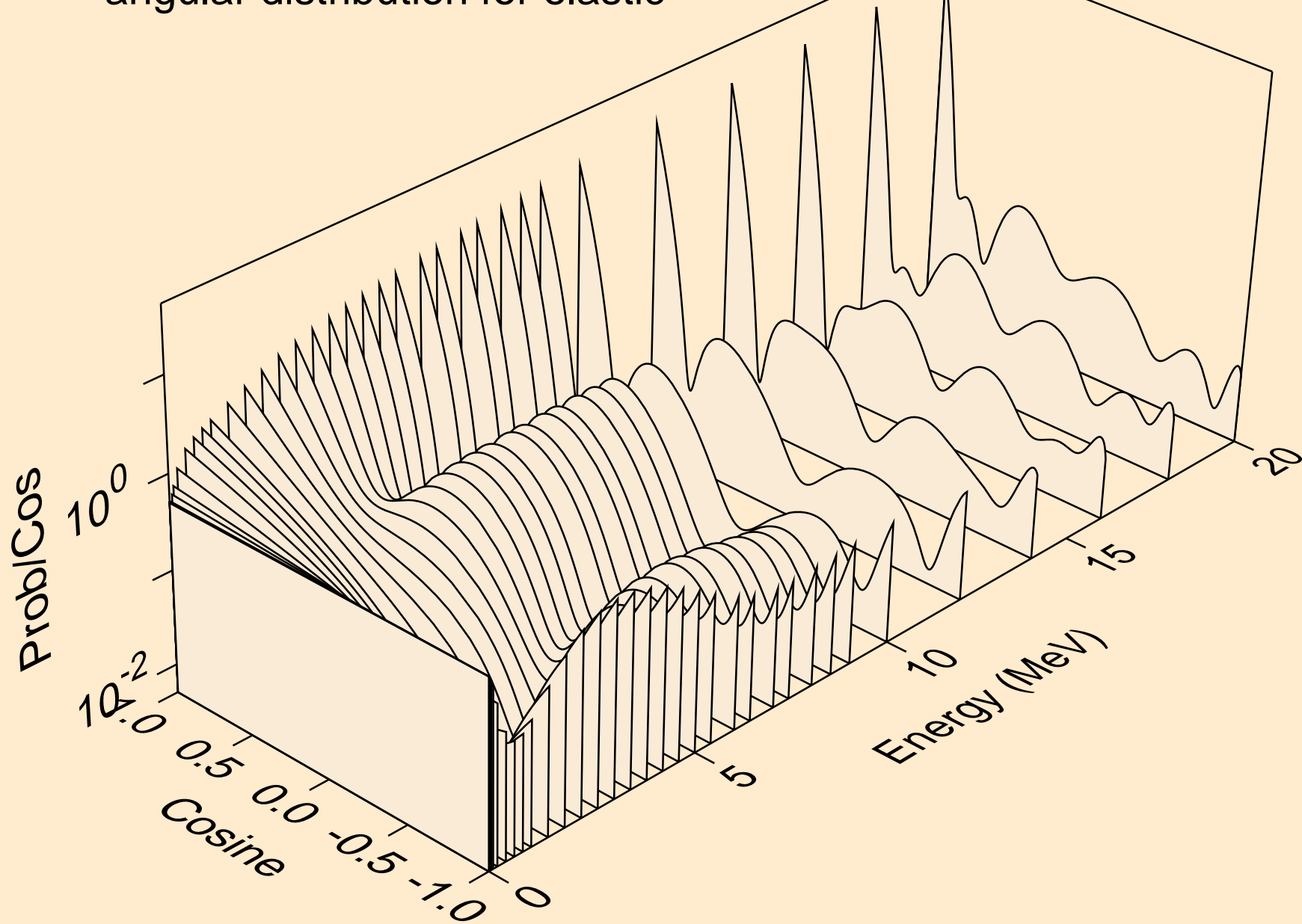
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Threshold reactions



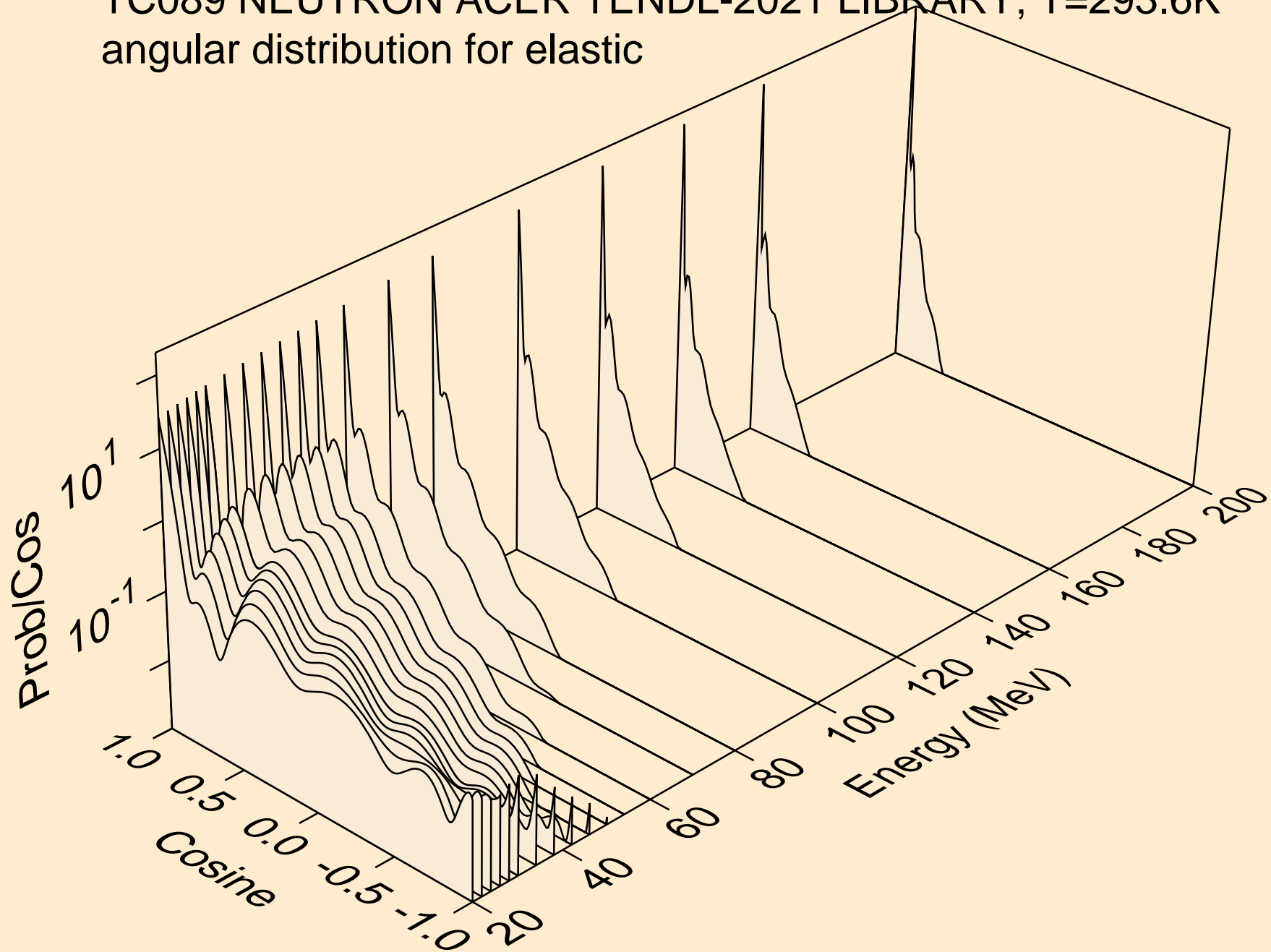
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Threshold reactions



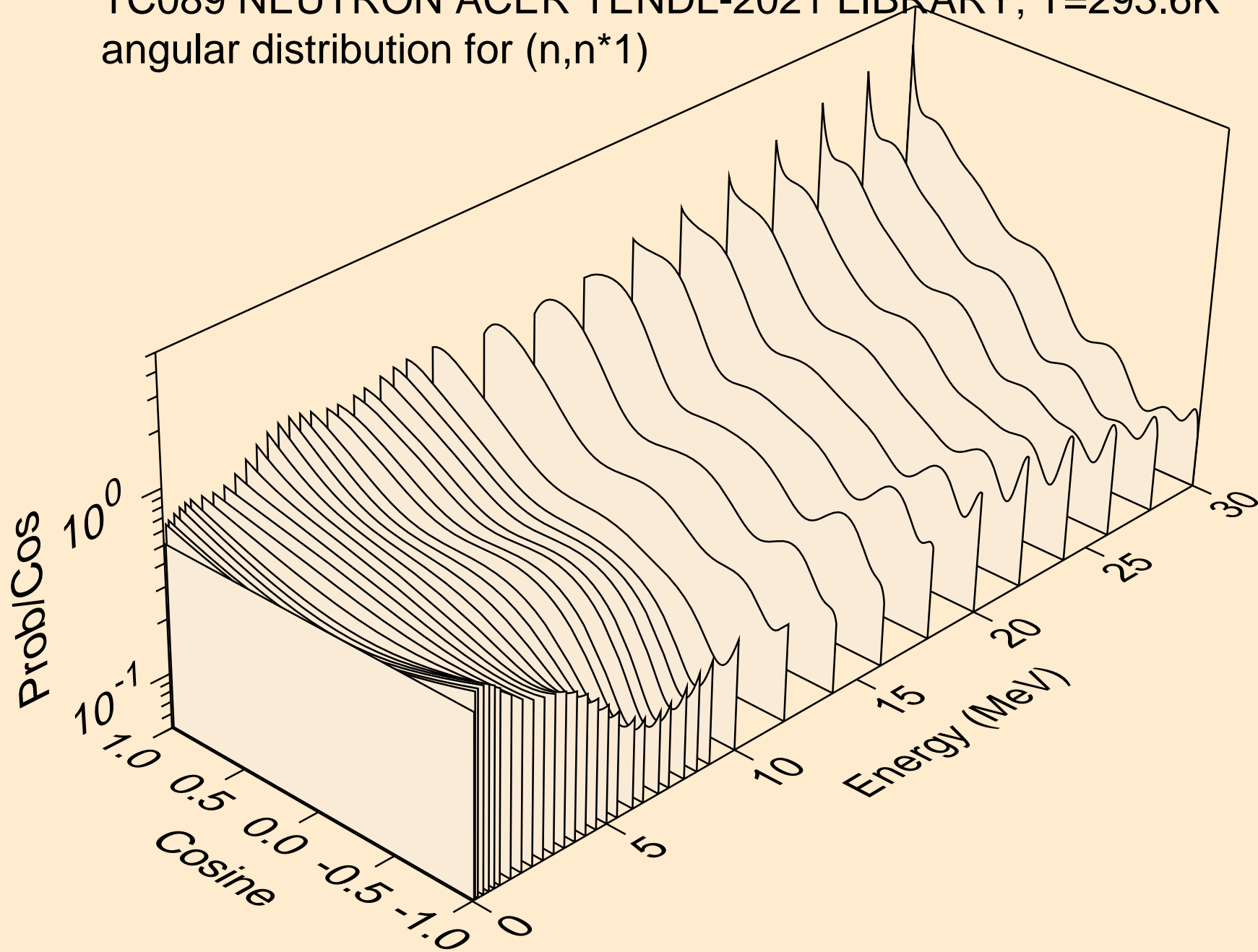
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angular distribution for elastic



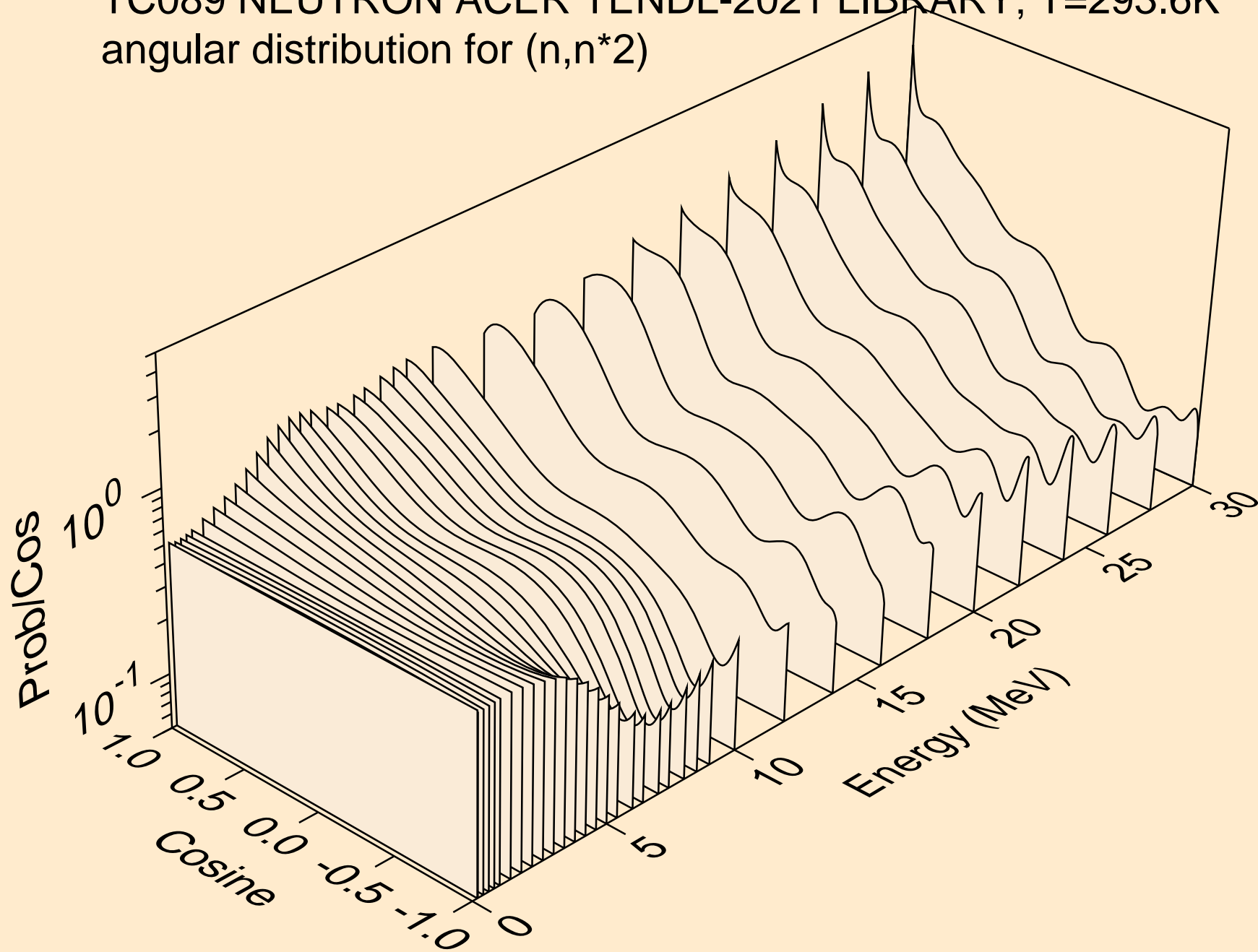
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angular distribution for elastic



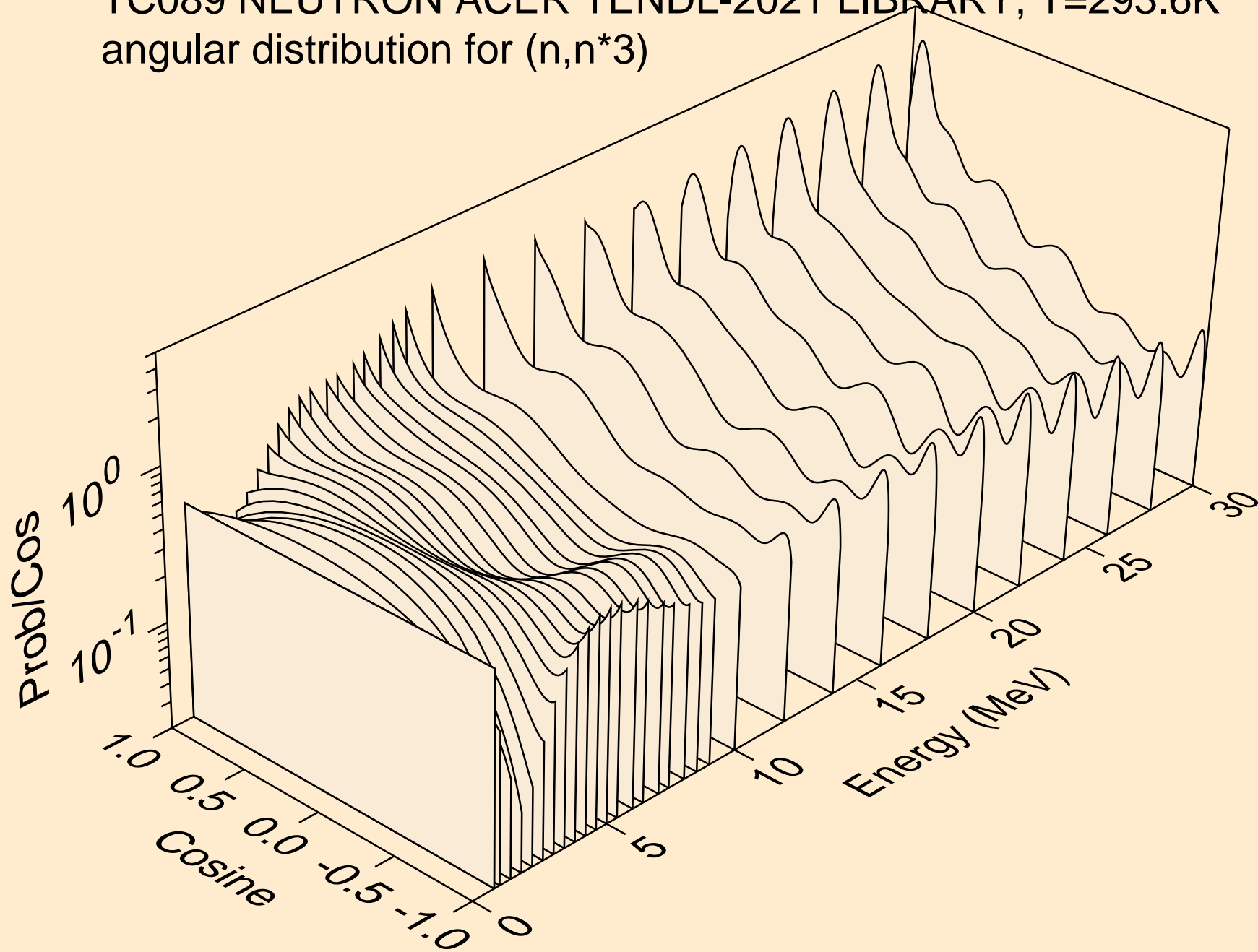
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angular distribution for (n,n\*1)



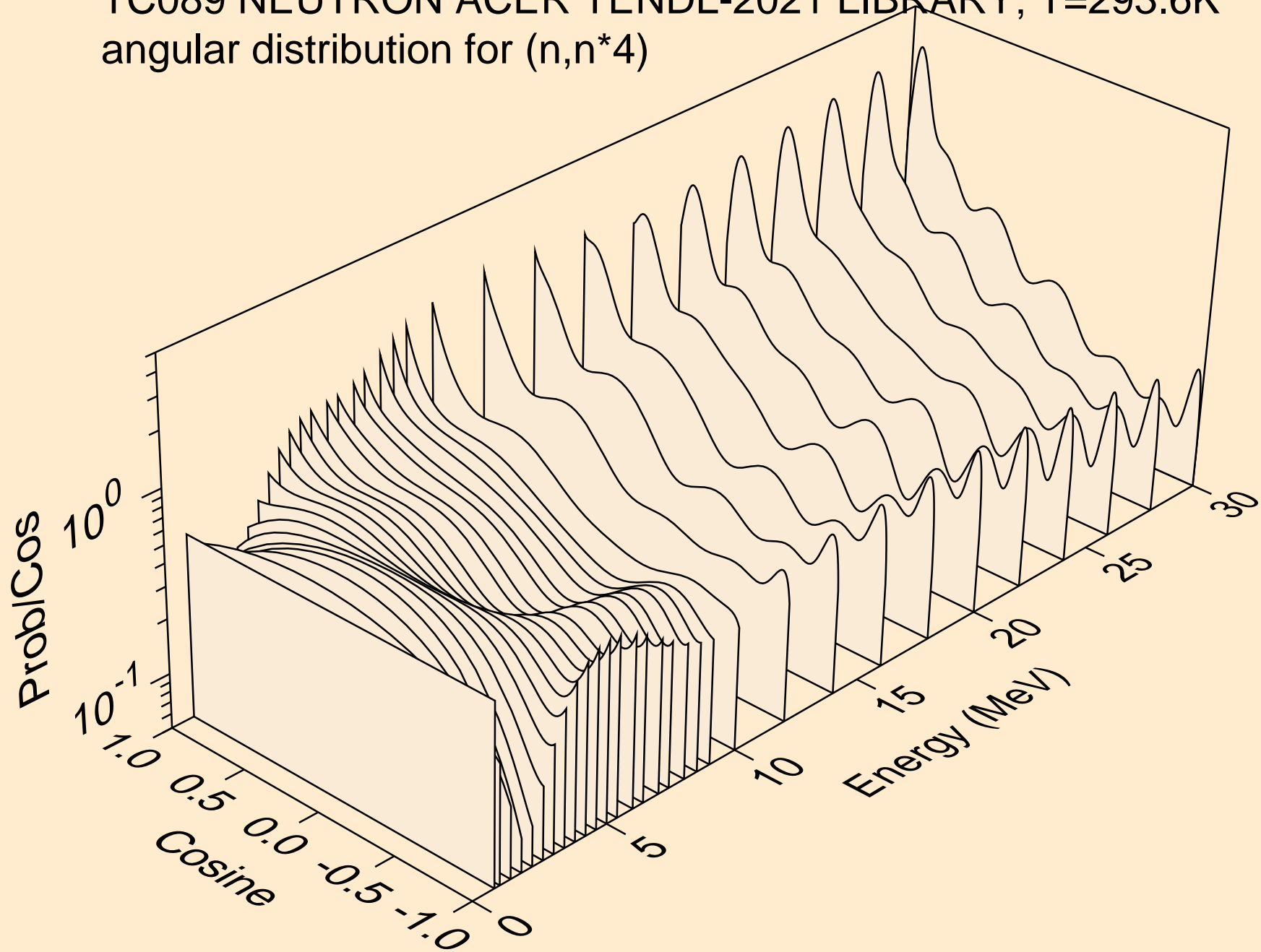
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)

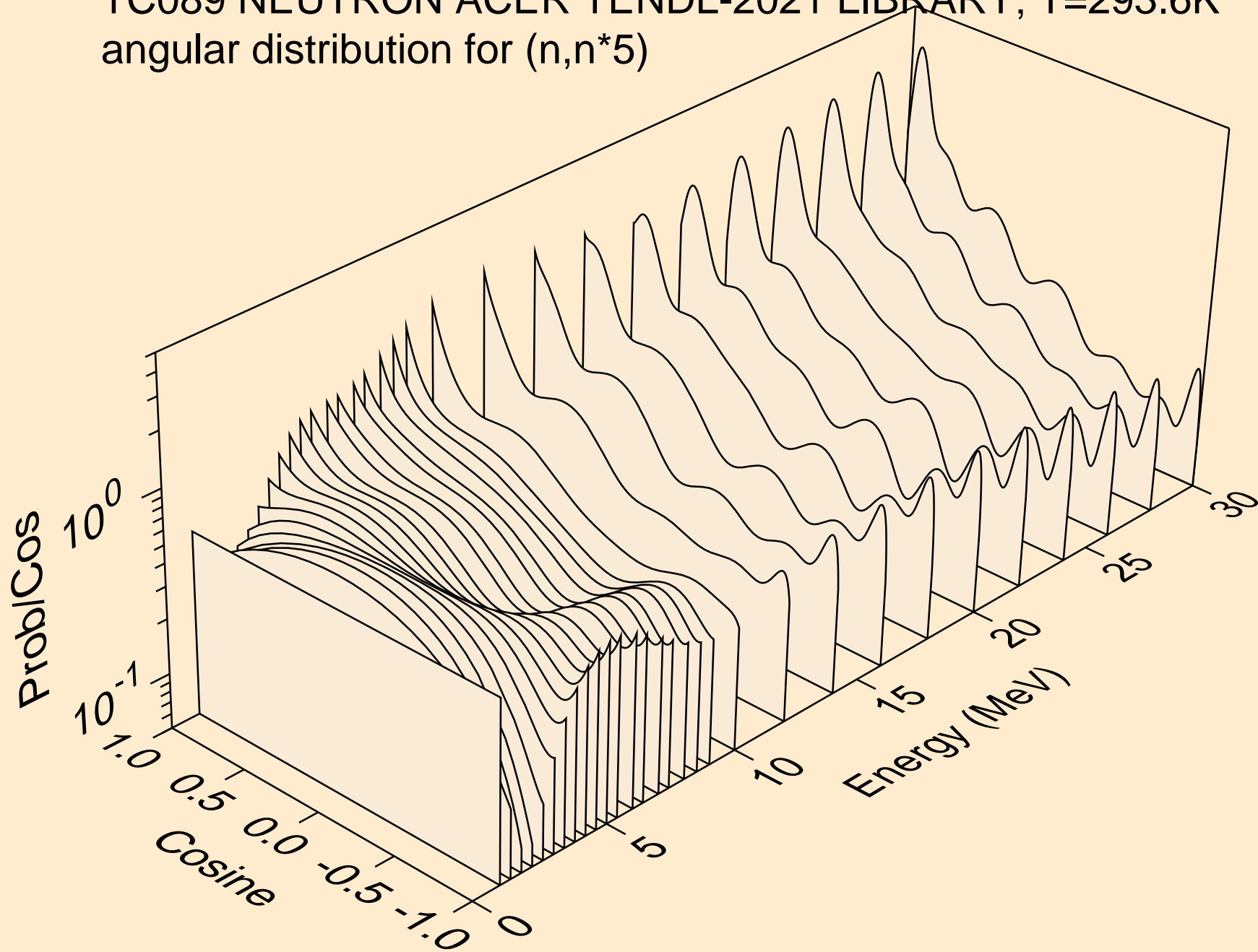


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

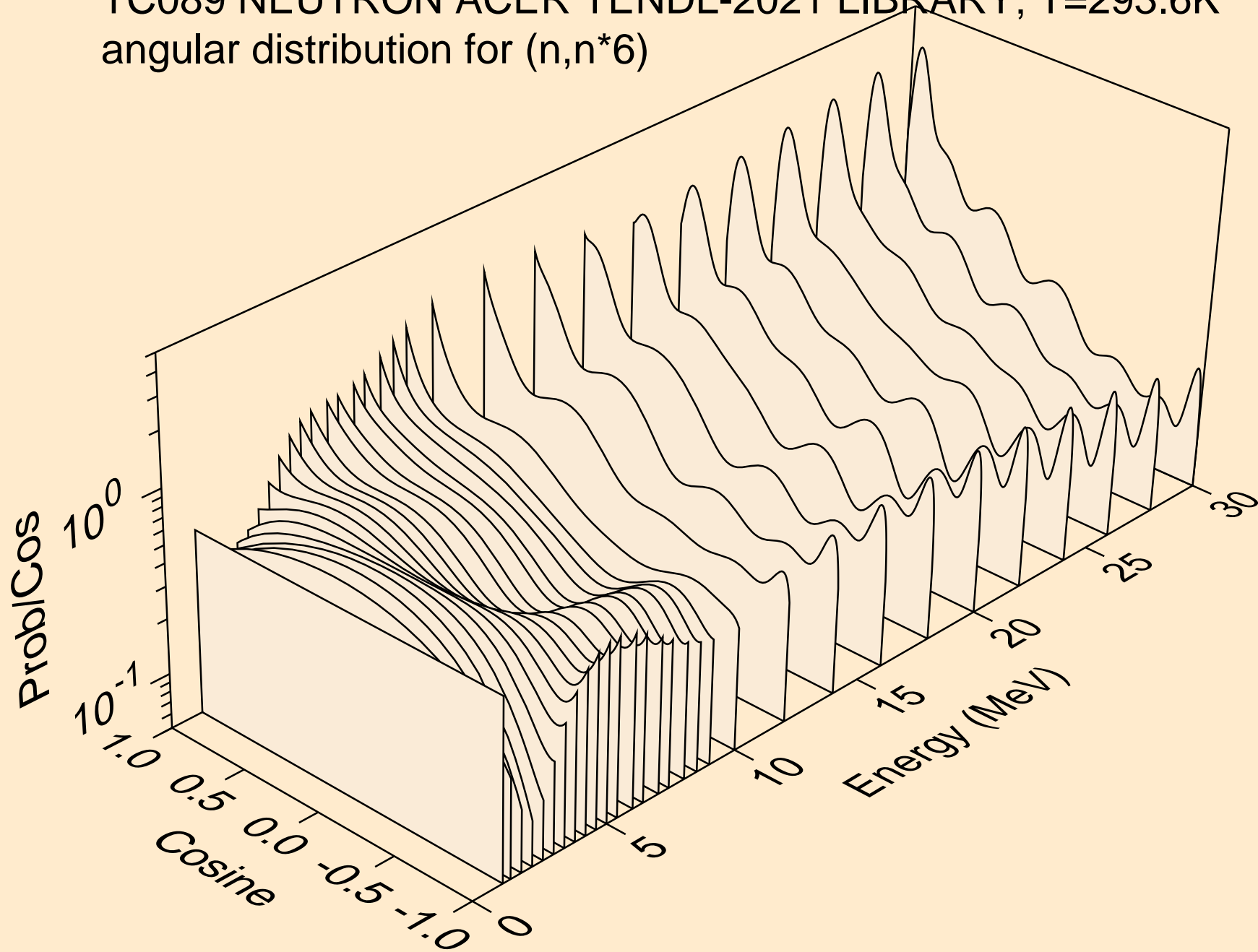




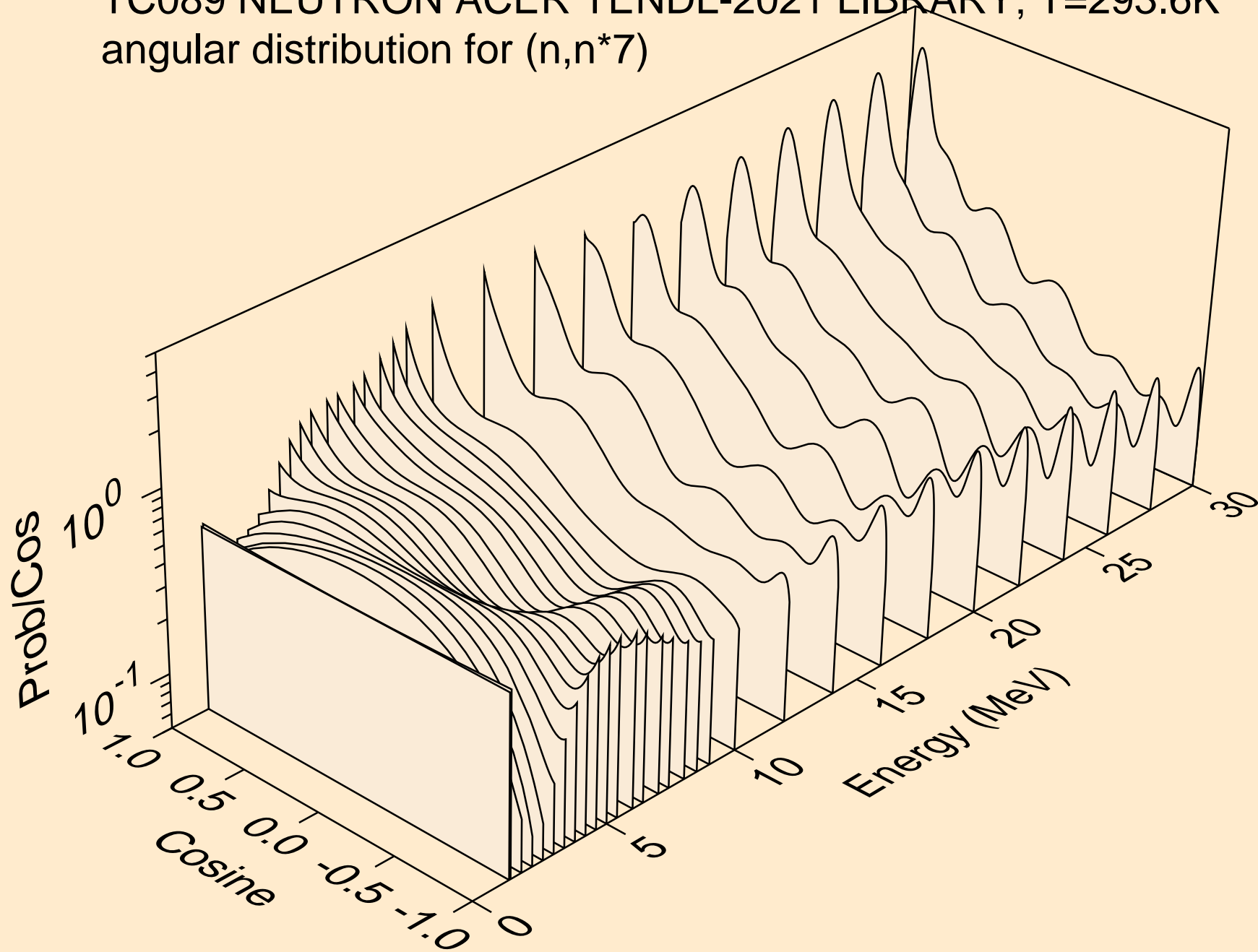
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angular distribution for (n,n\*5)



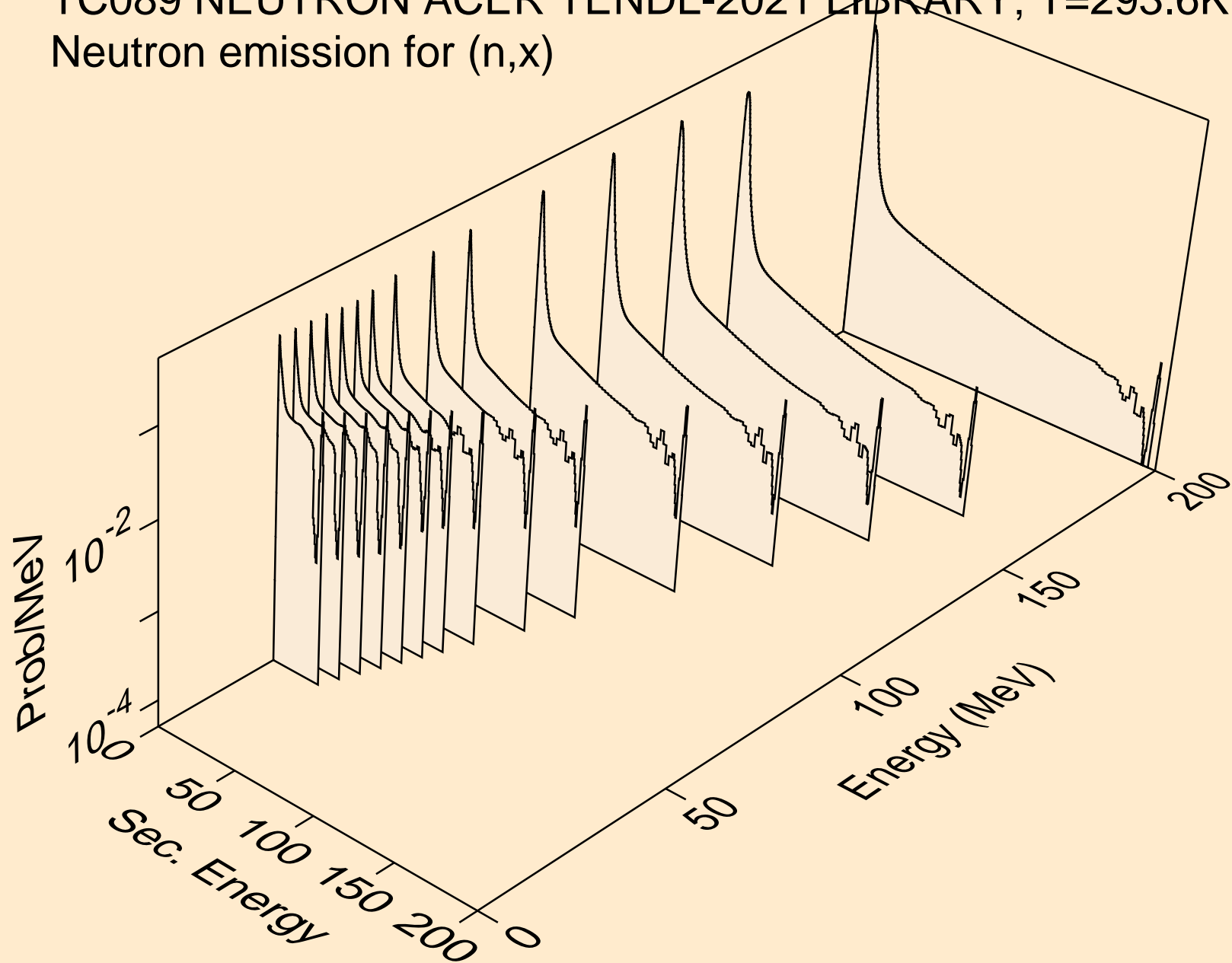
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angular distribution for (n,n\*6)



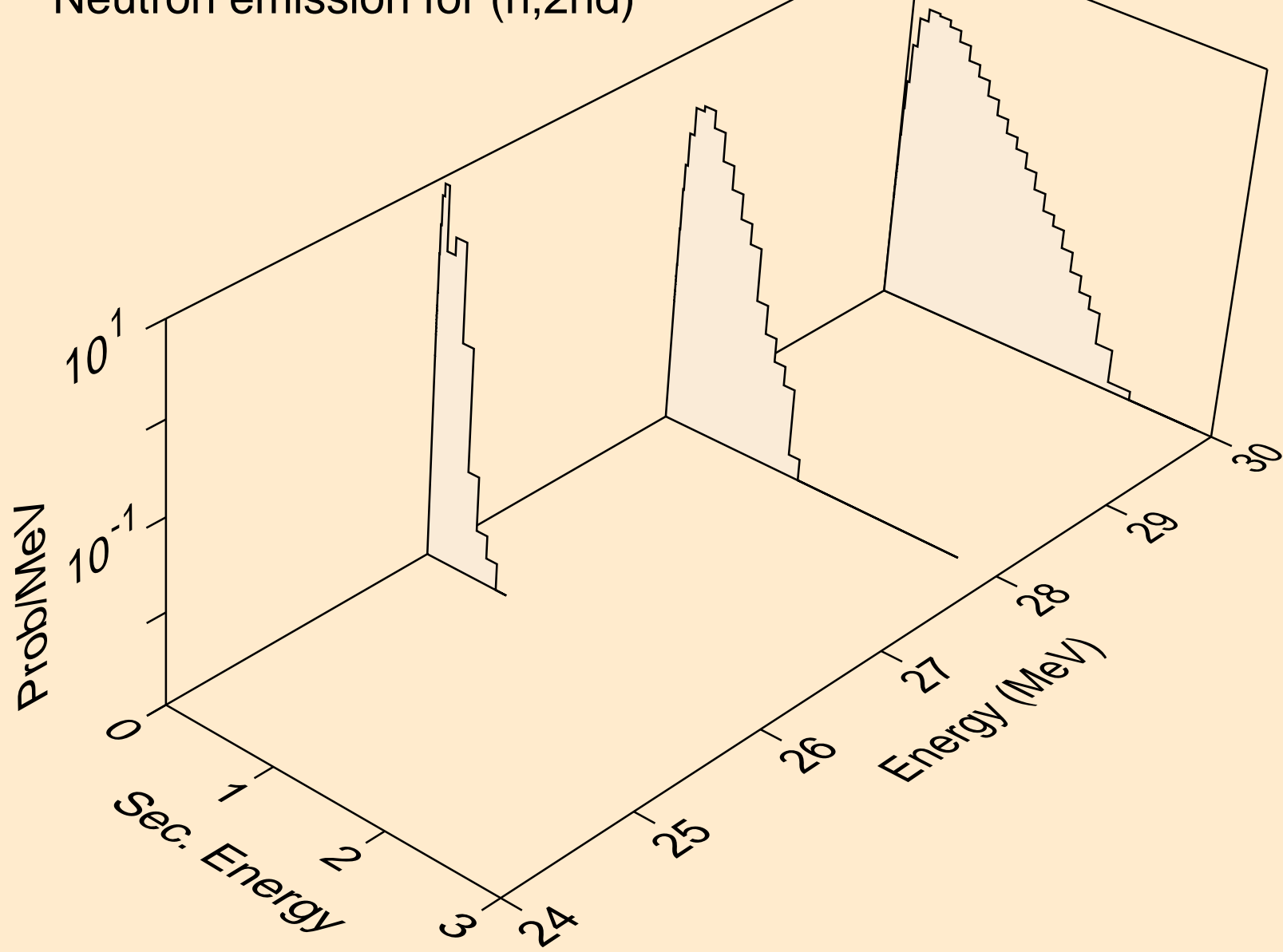
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angular distribution for (n,n\*7)



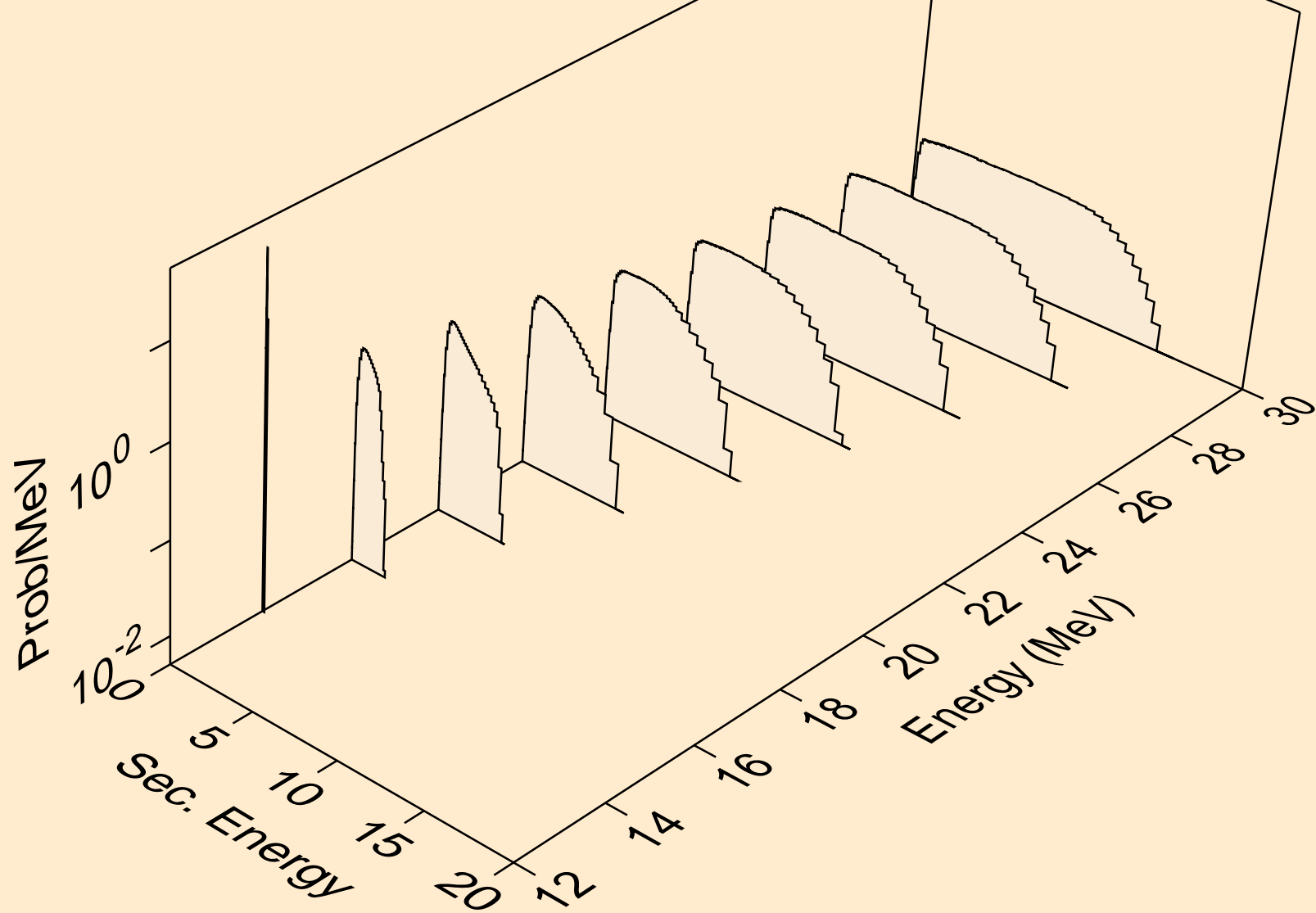
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



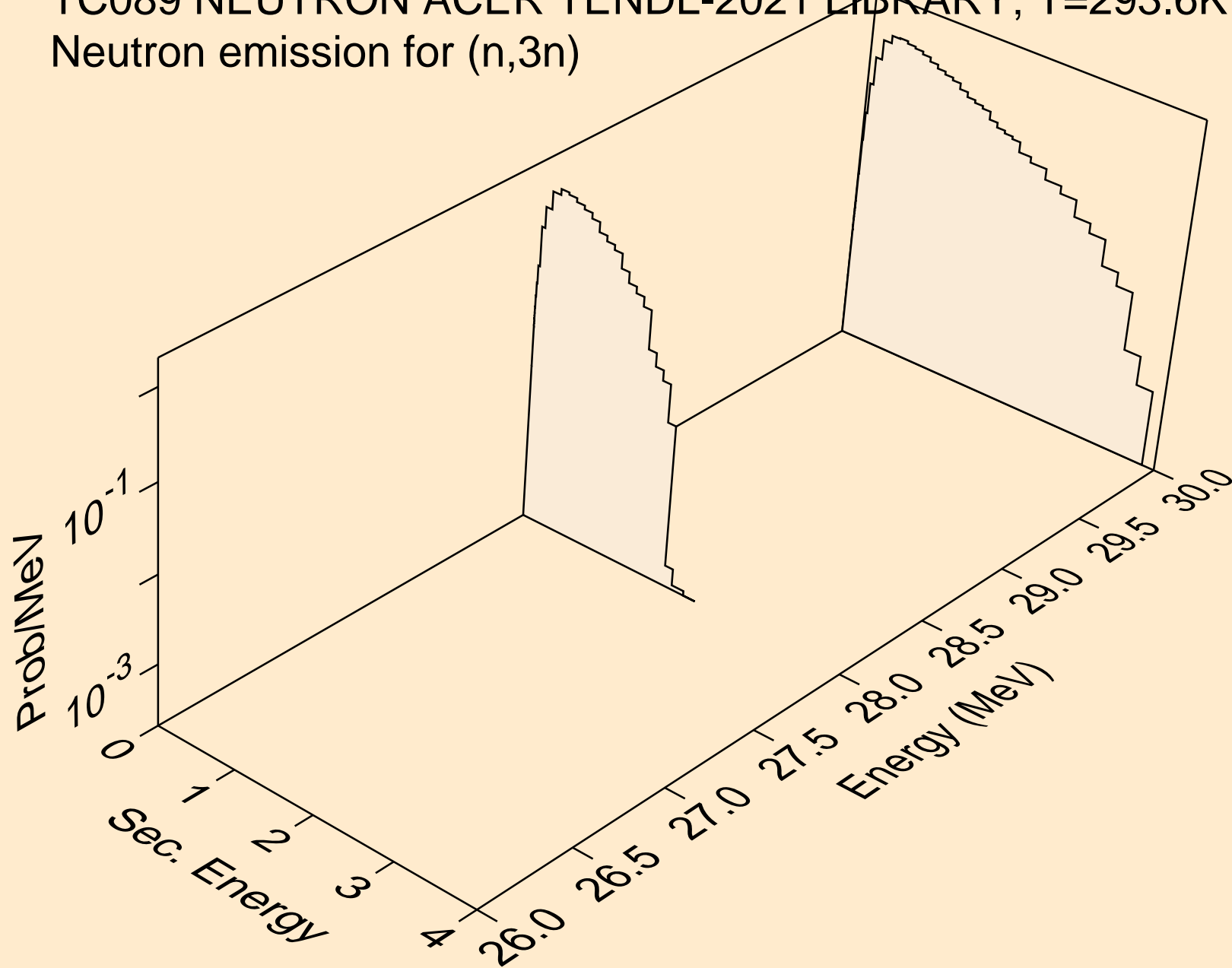
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Neutron emission for (n,2nd)



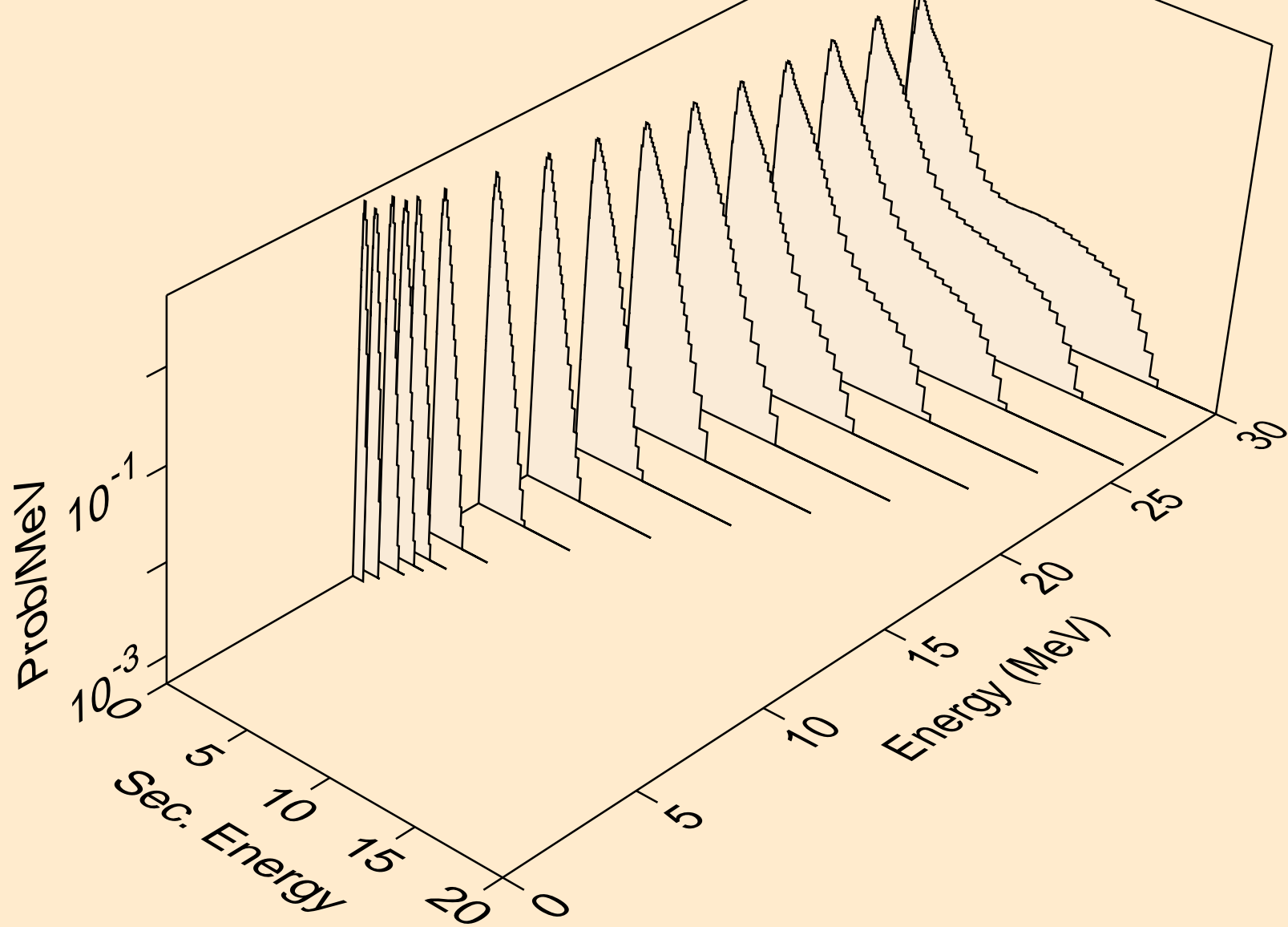
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

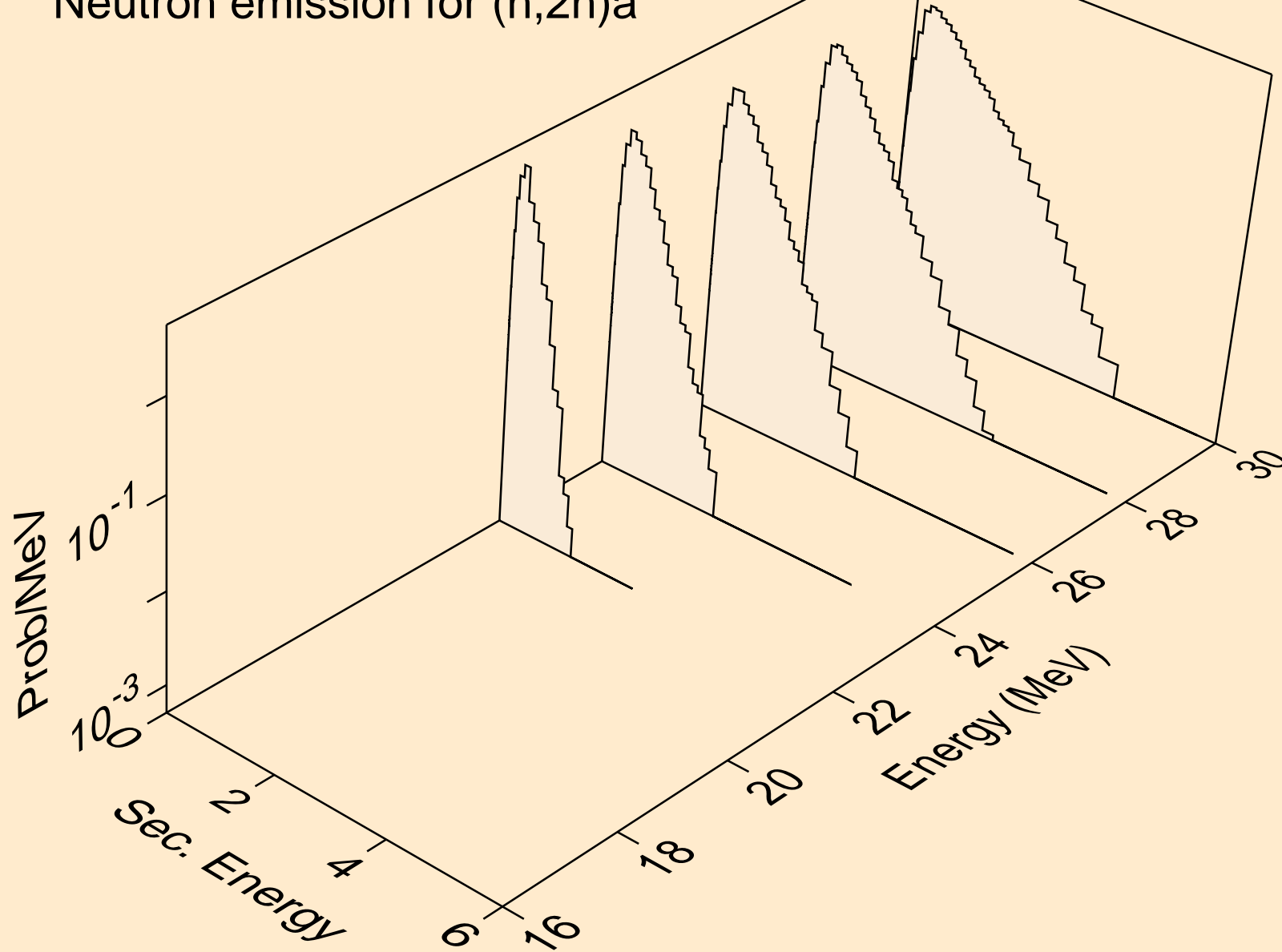


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Neutron emission for (n,n\*)a

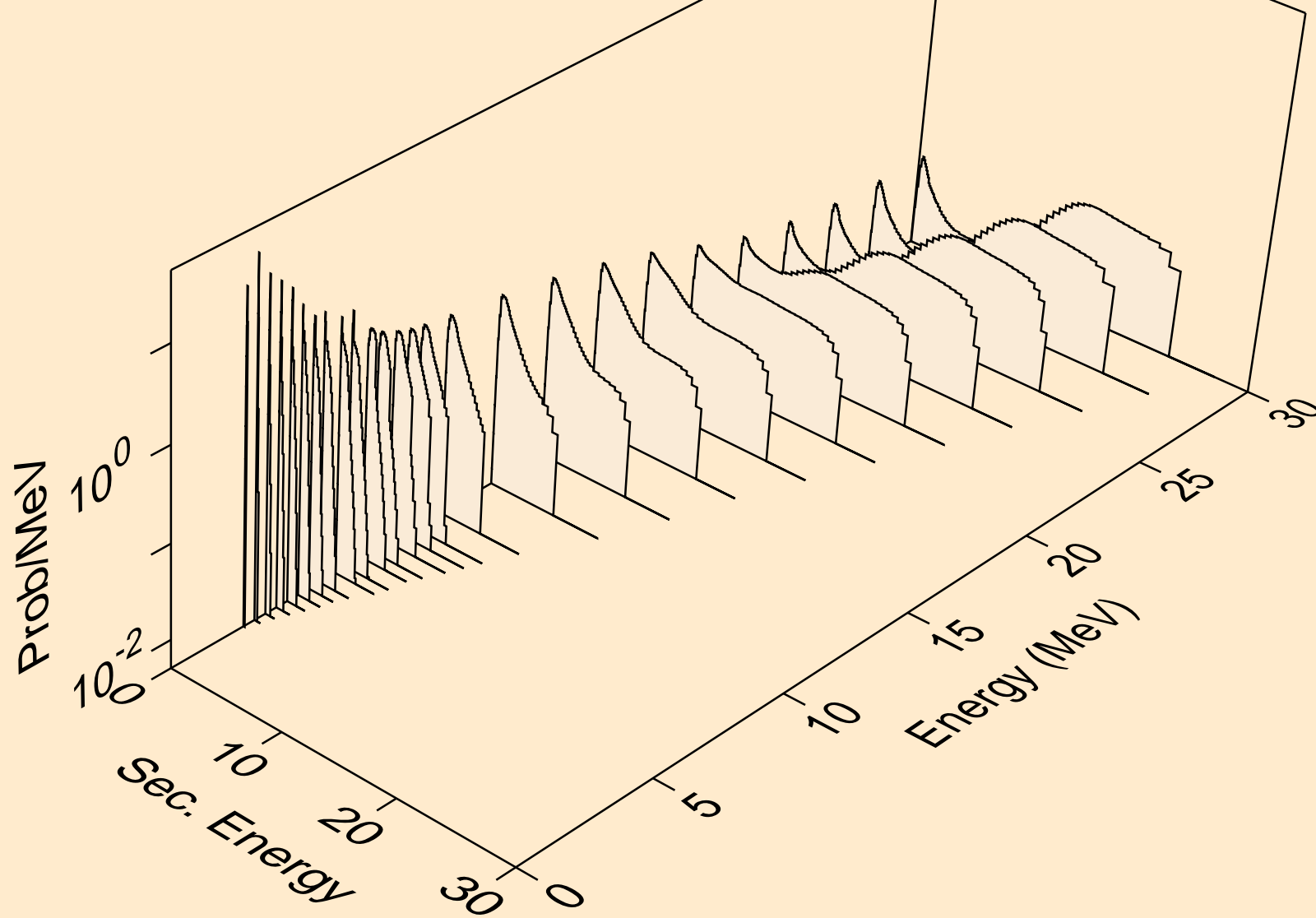




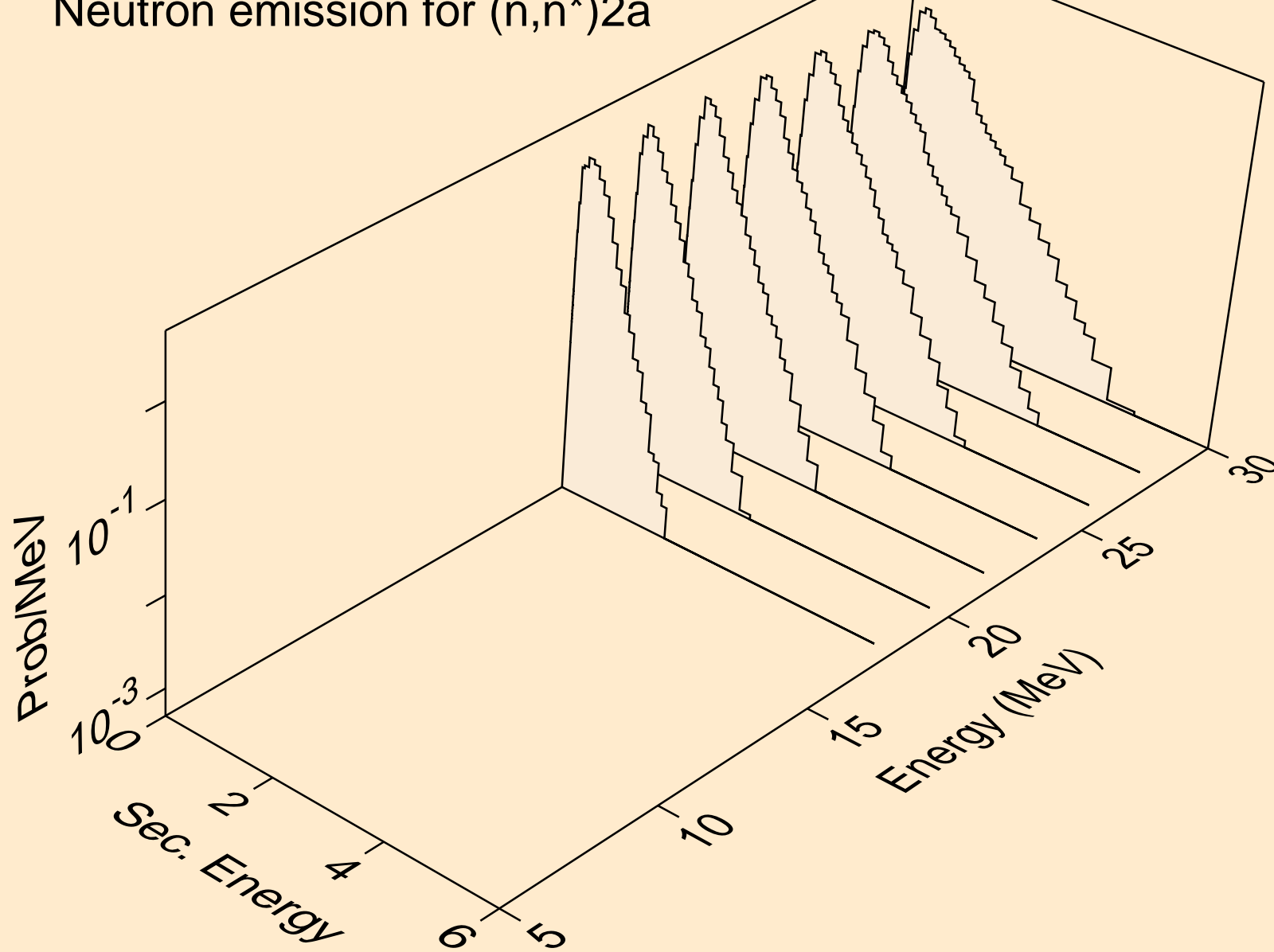
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



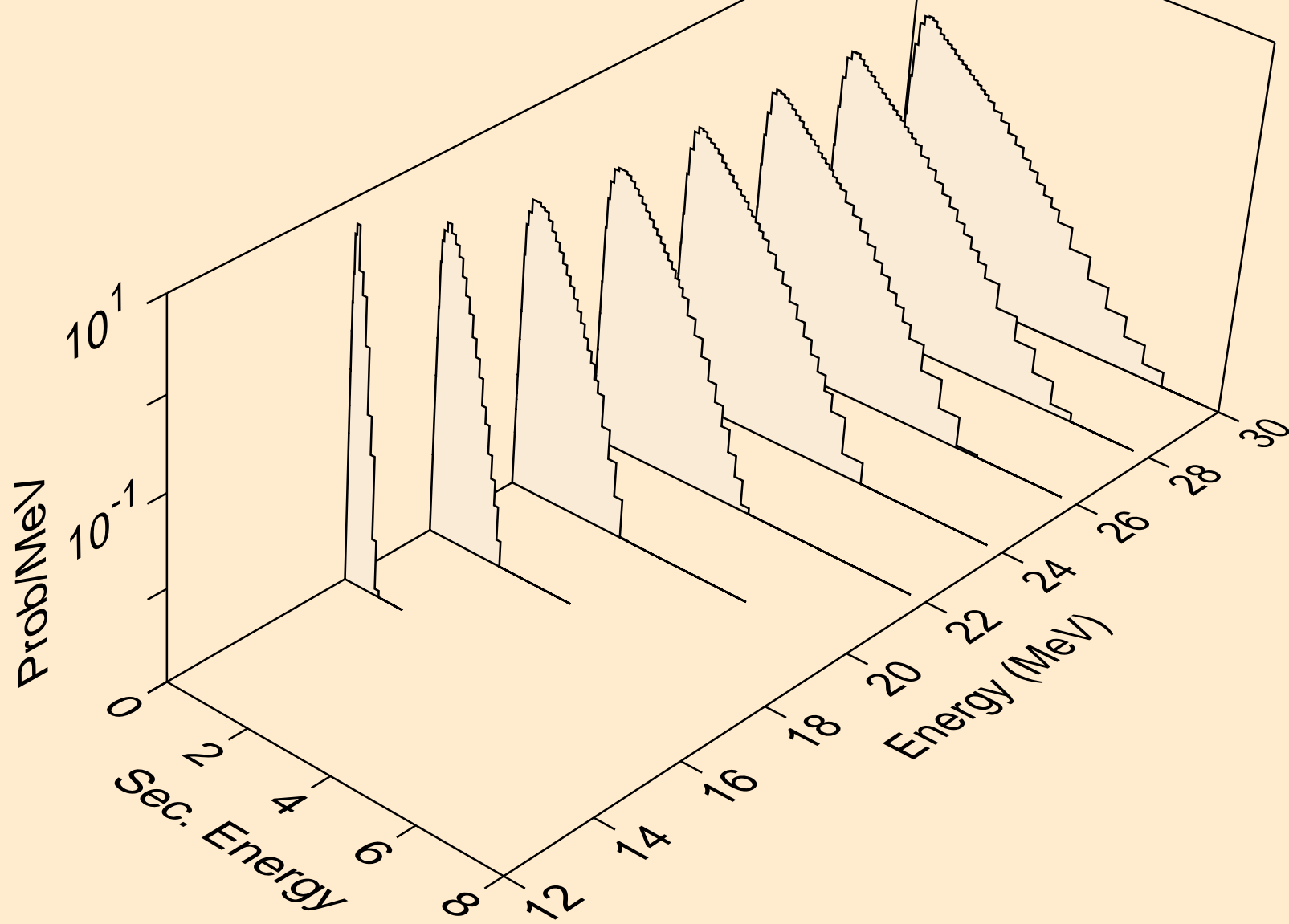
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



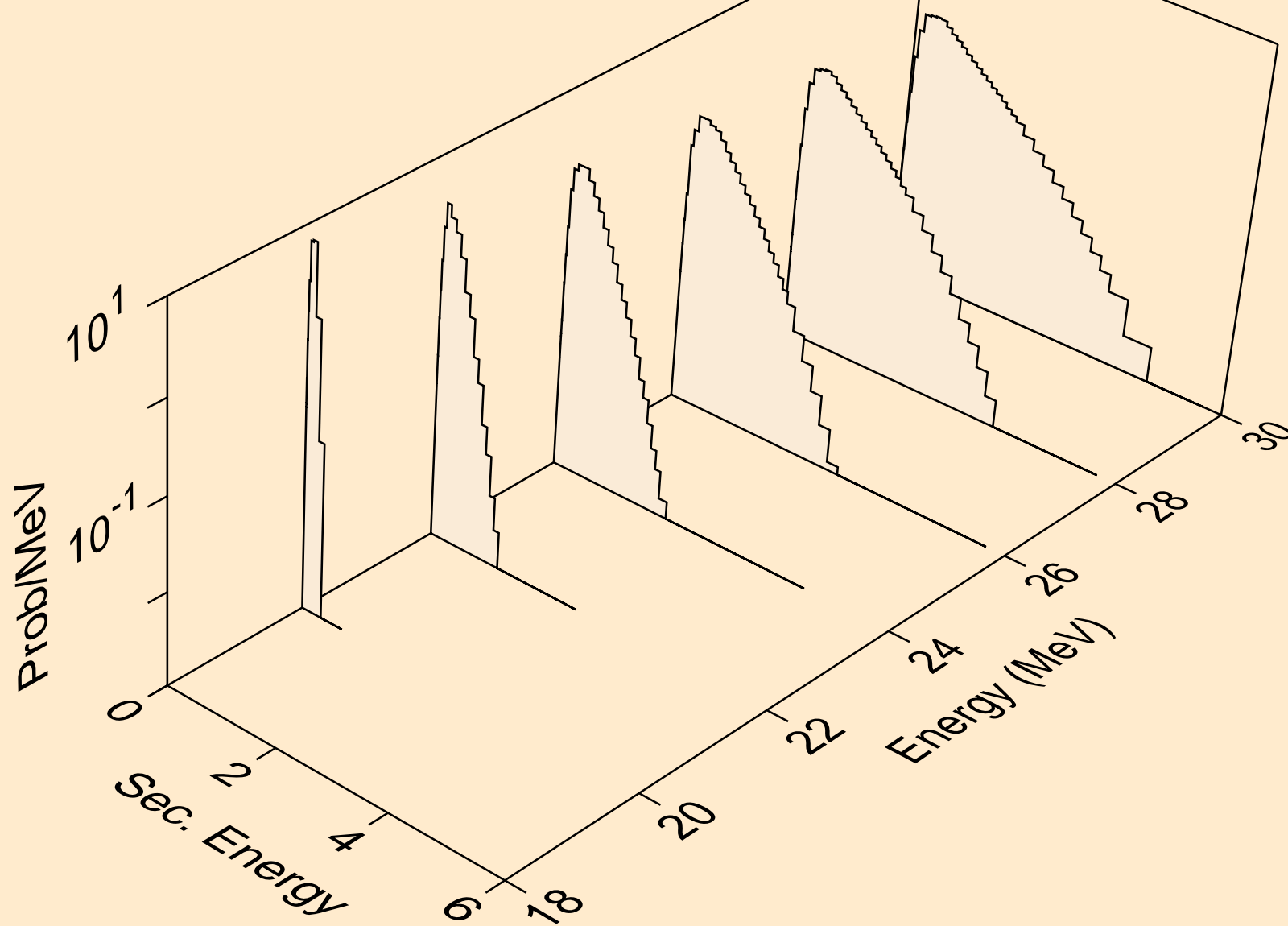
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Neutron emission for (n,n\*)2a



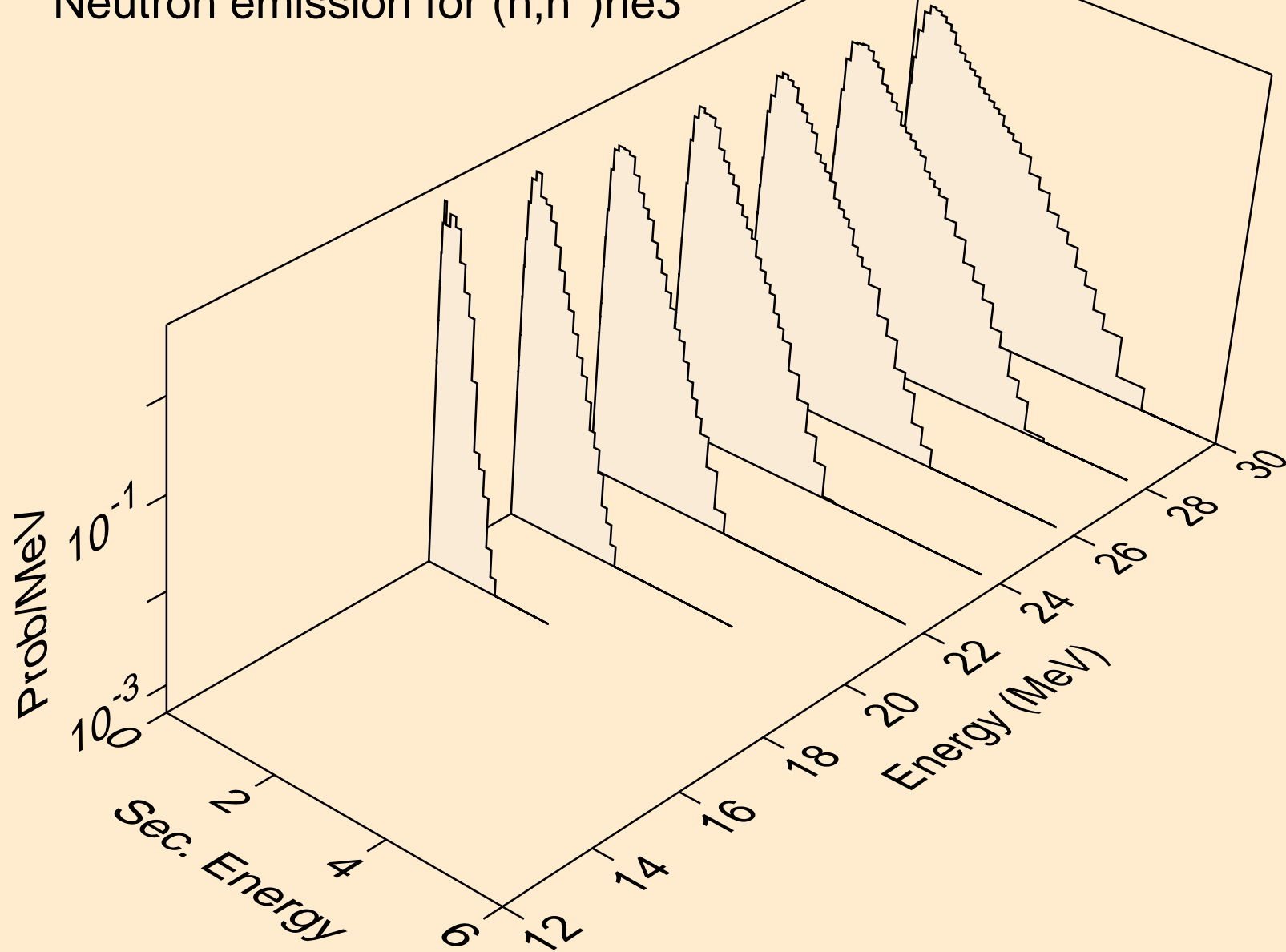
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



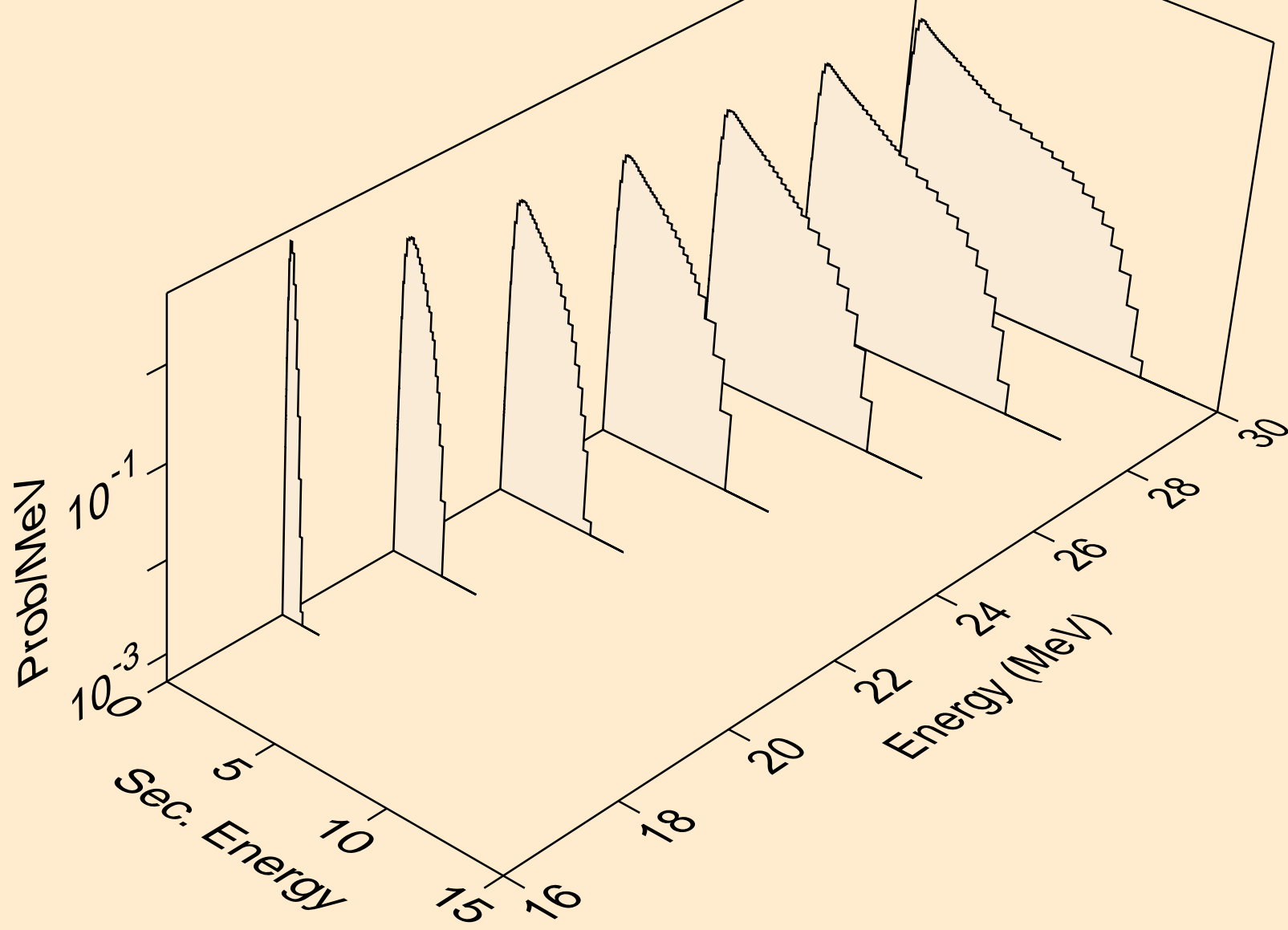
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



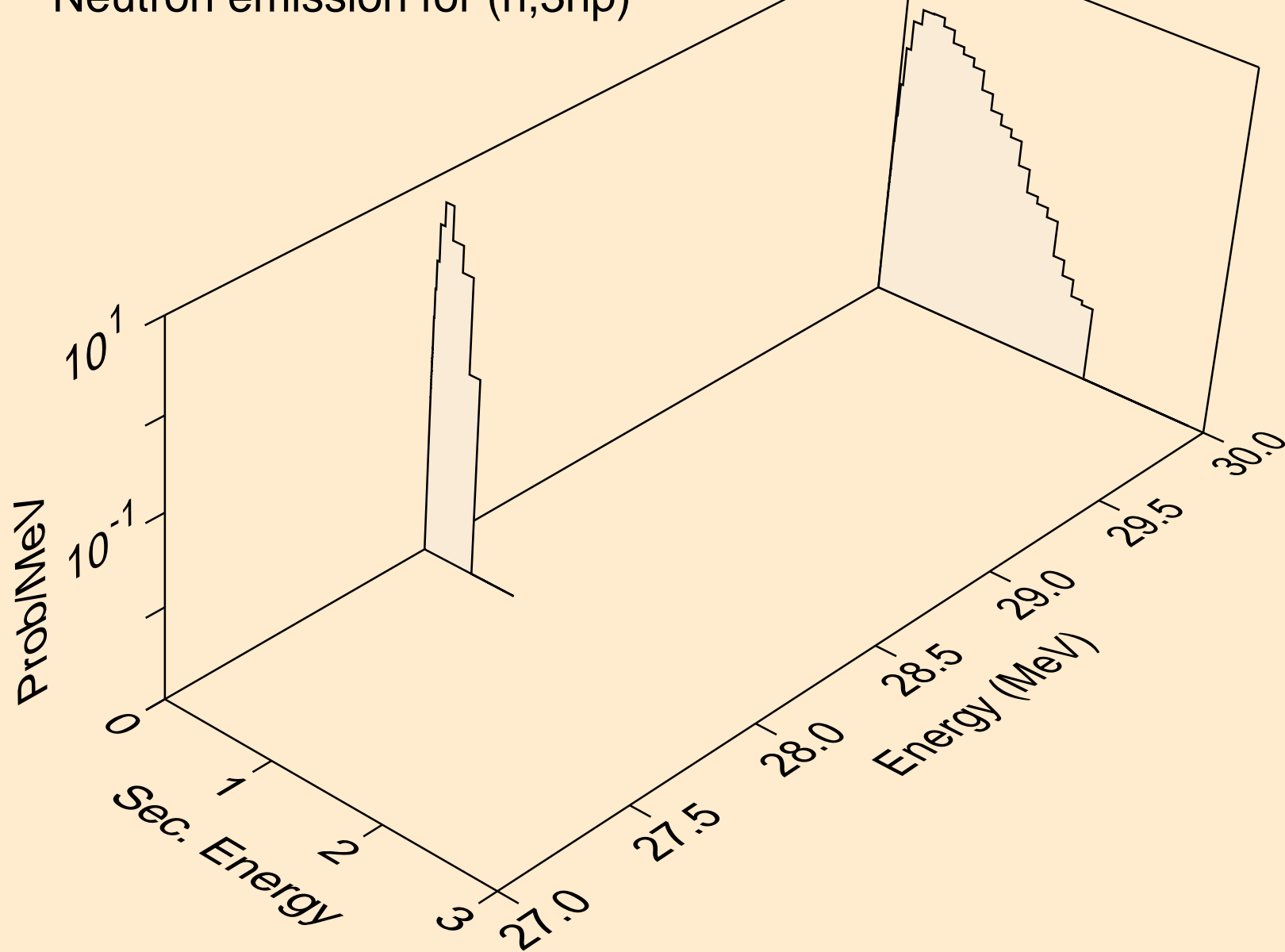
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

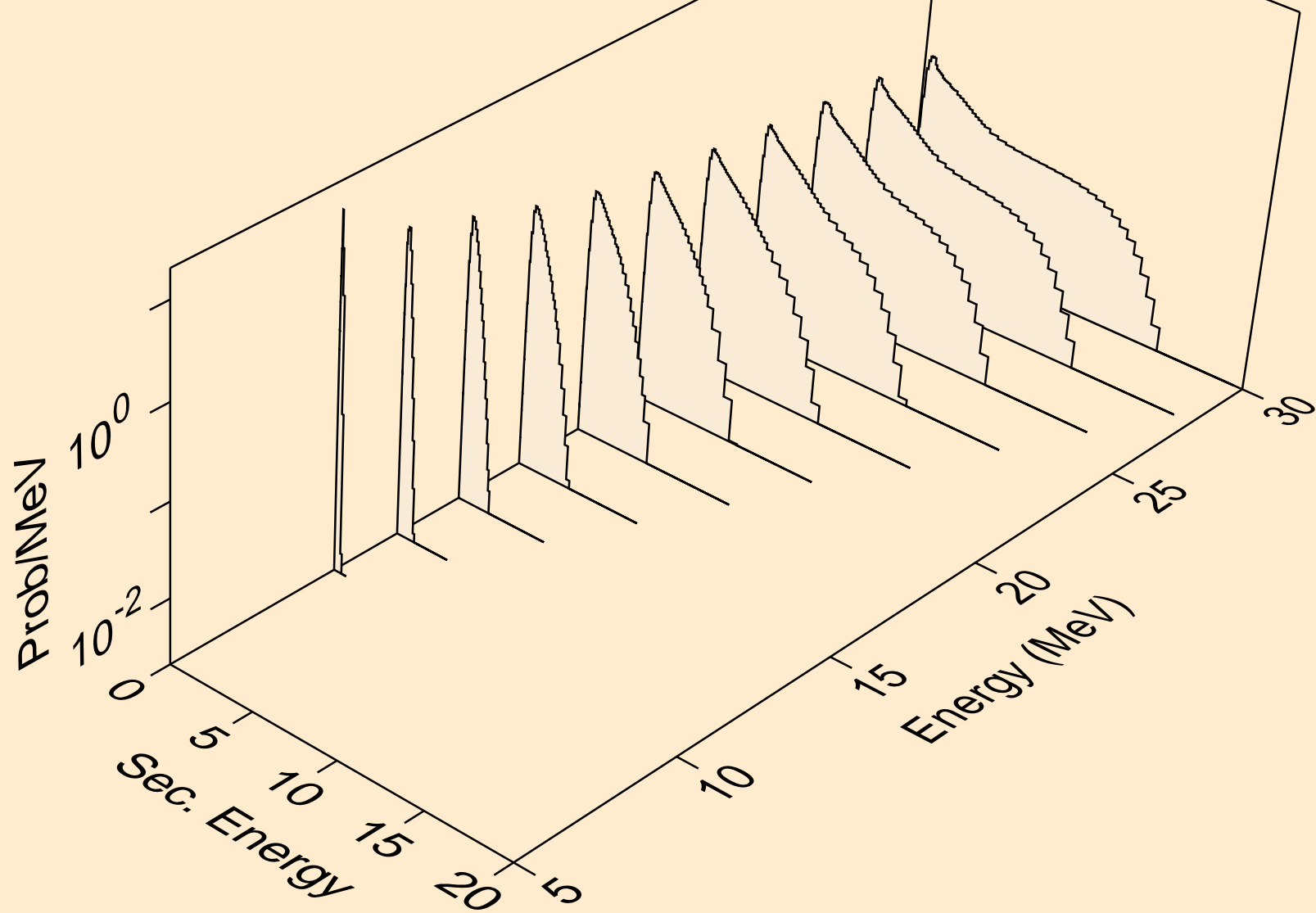


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

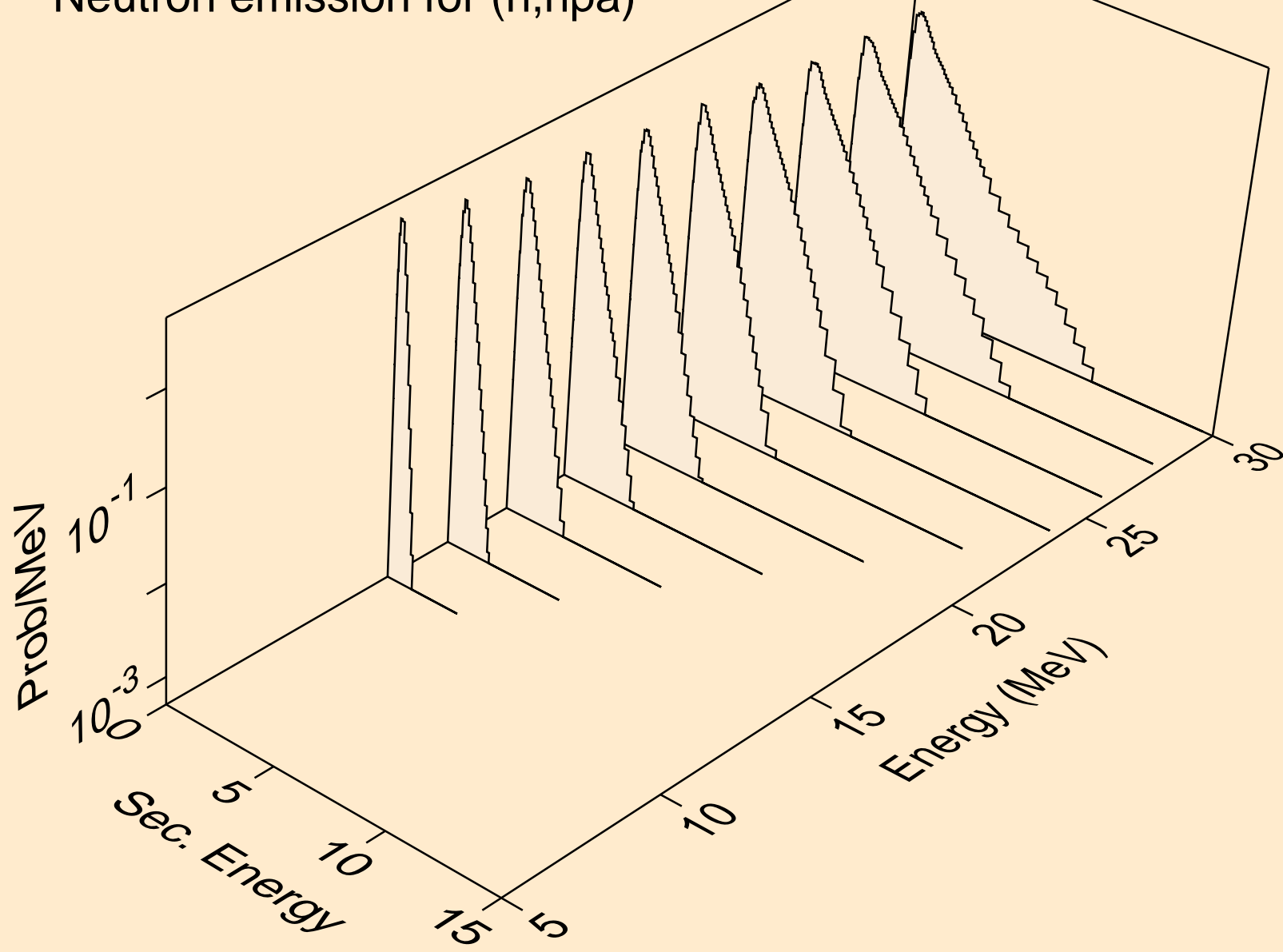




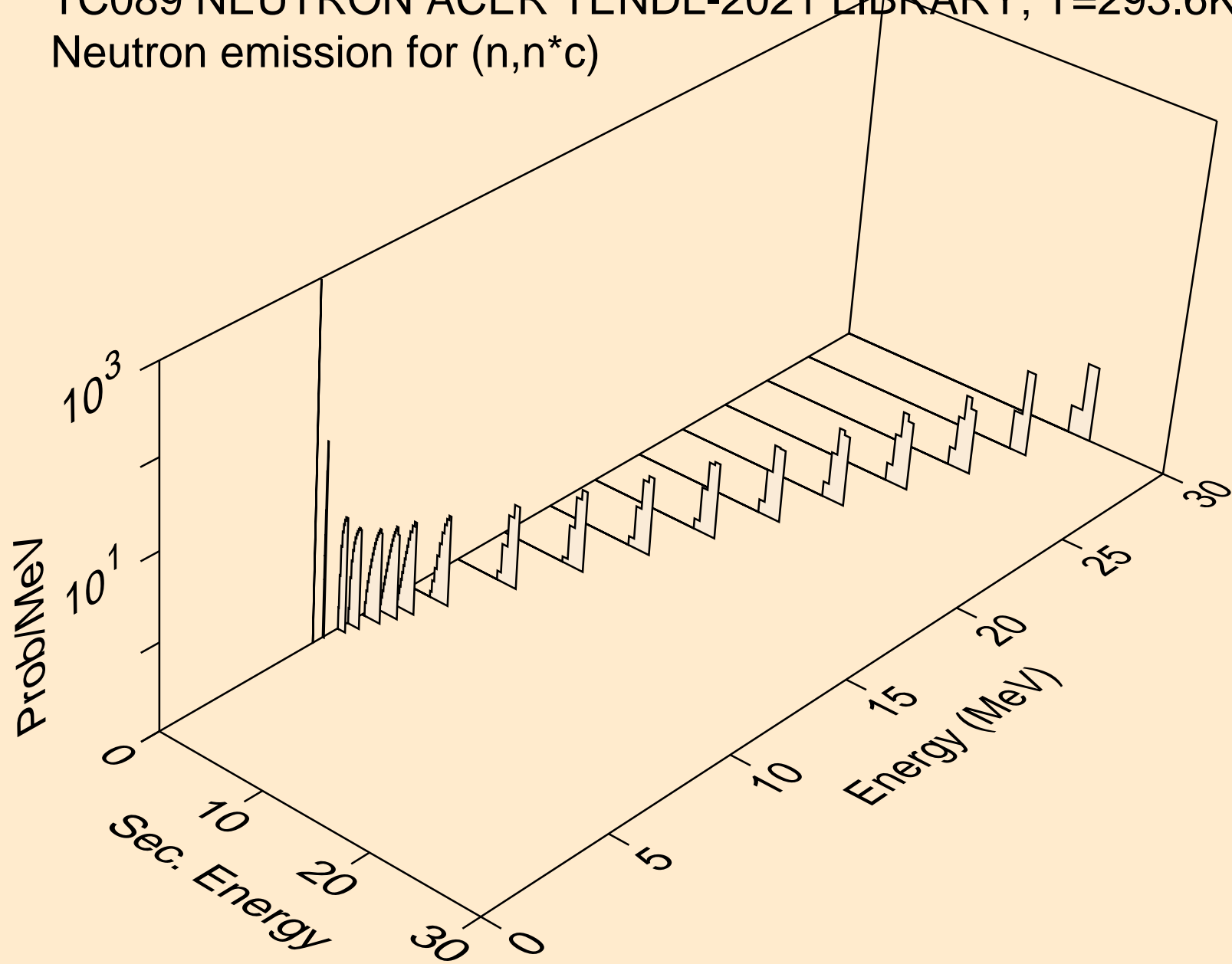
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



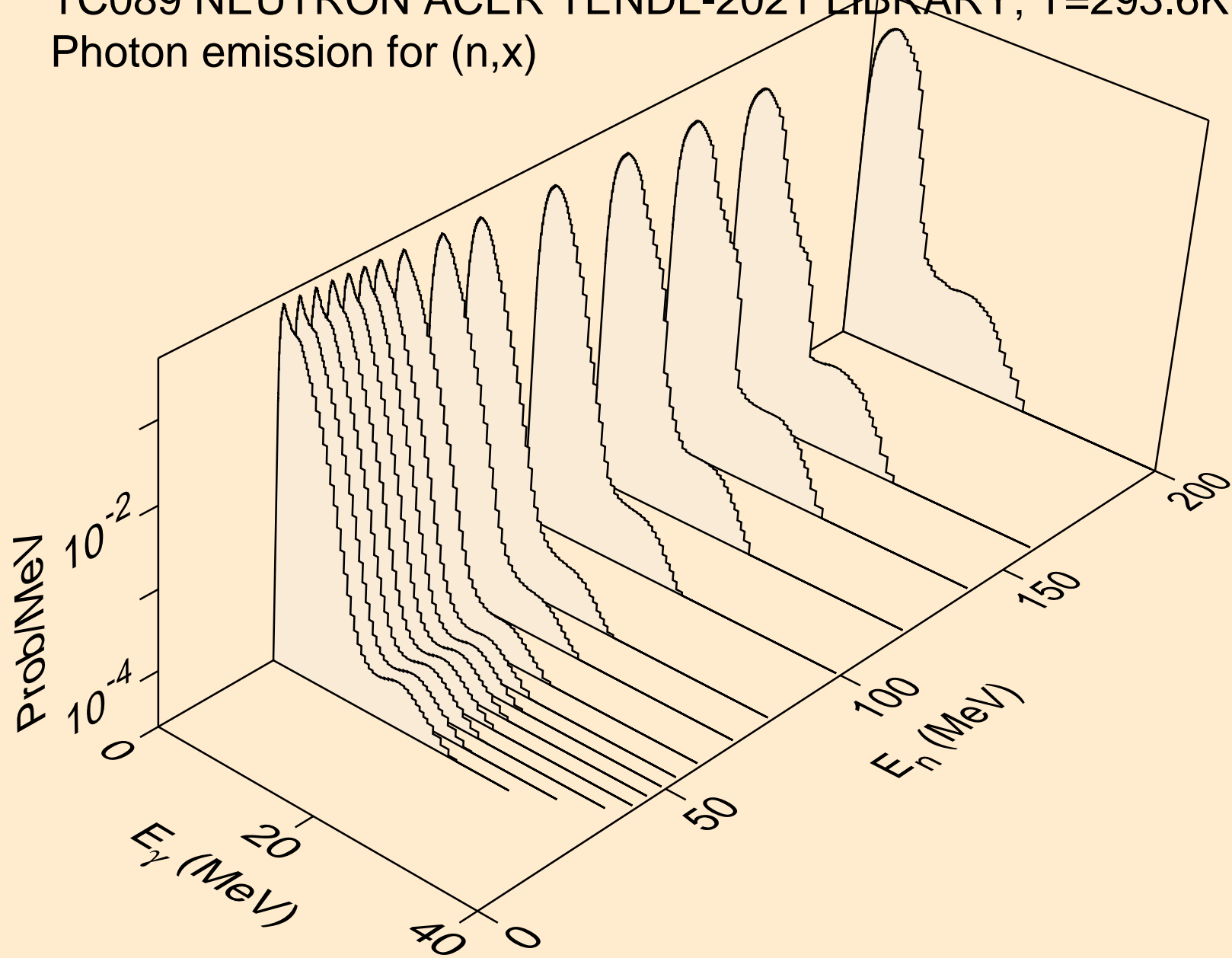
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



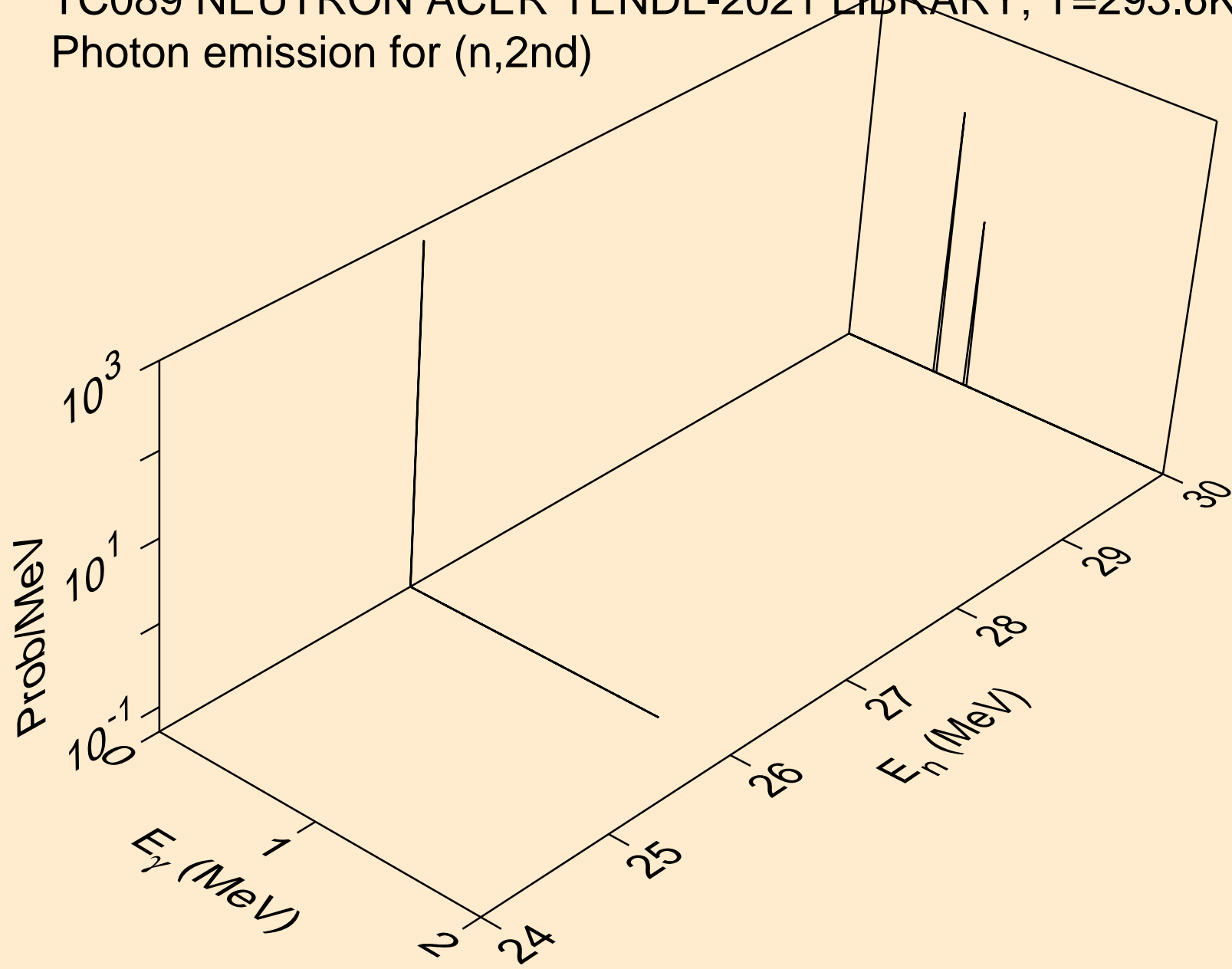
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



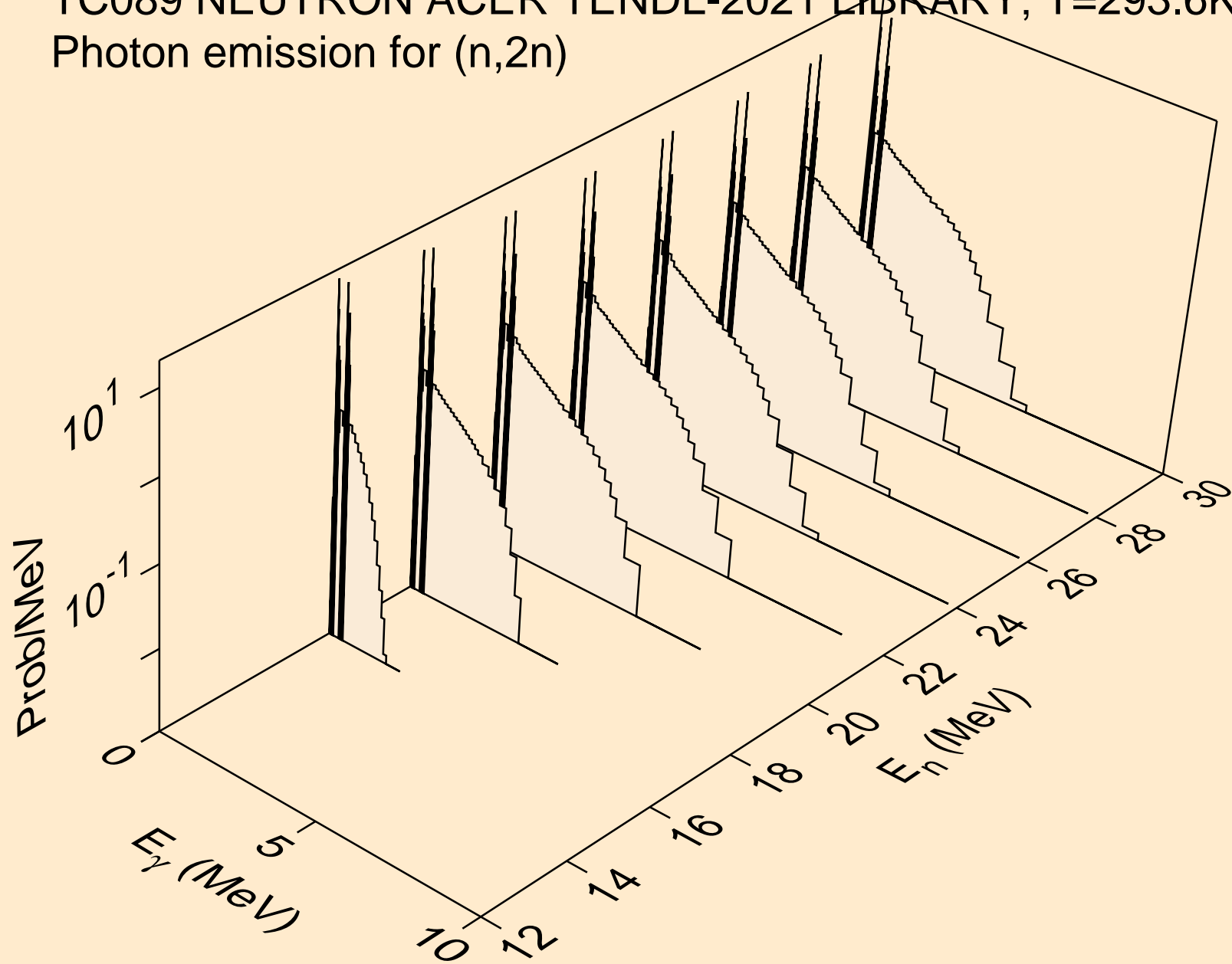
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



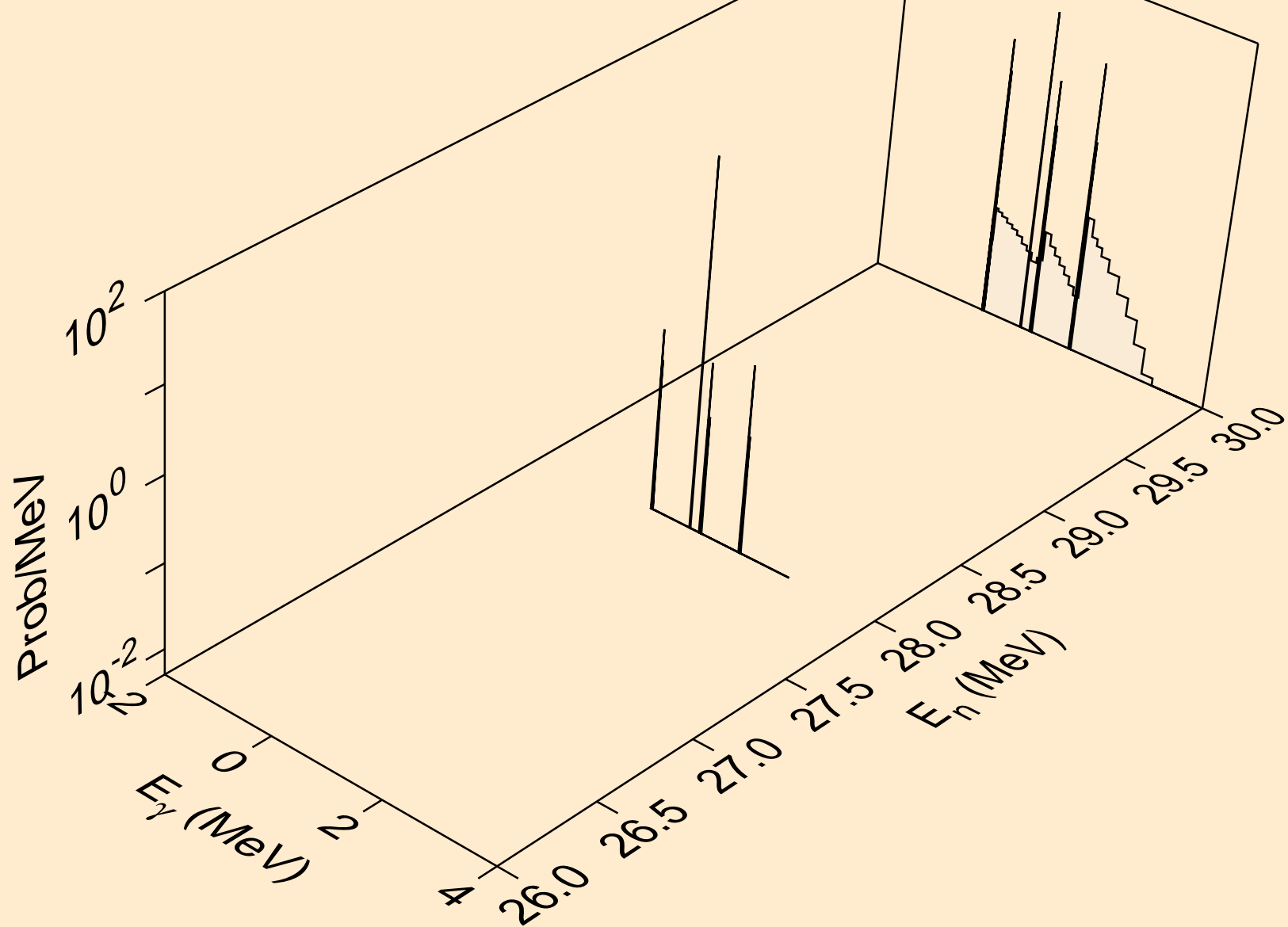
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Photon emission for (n,2nd)



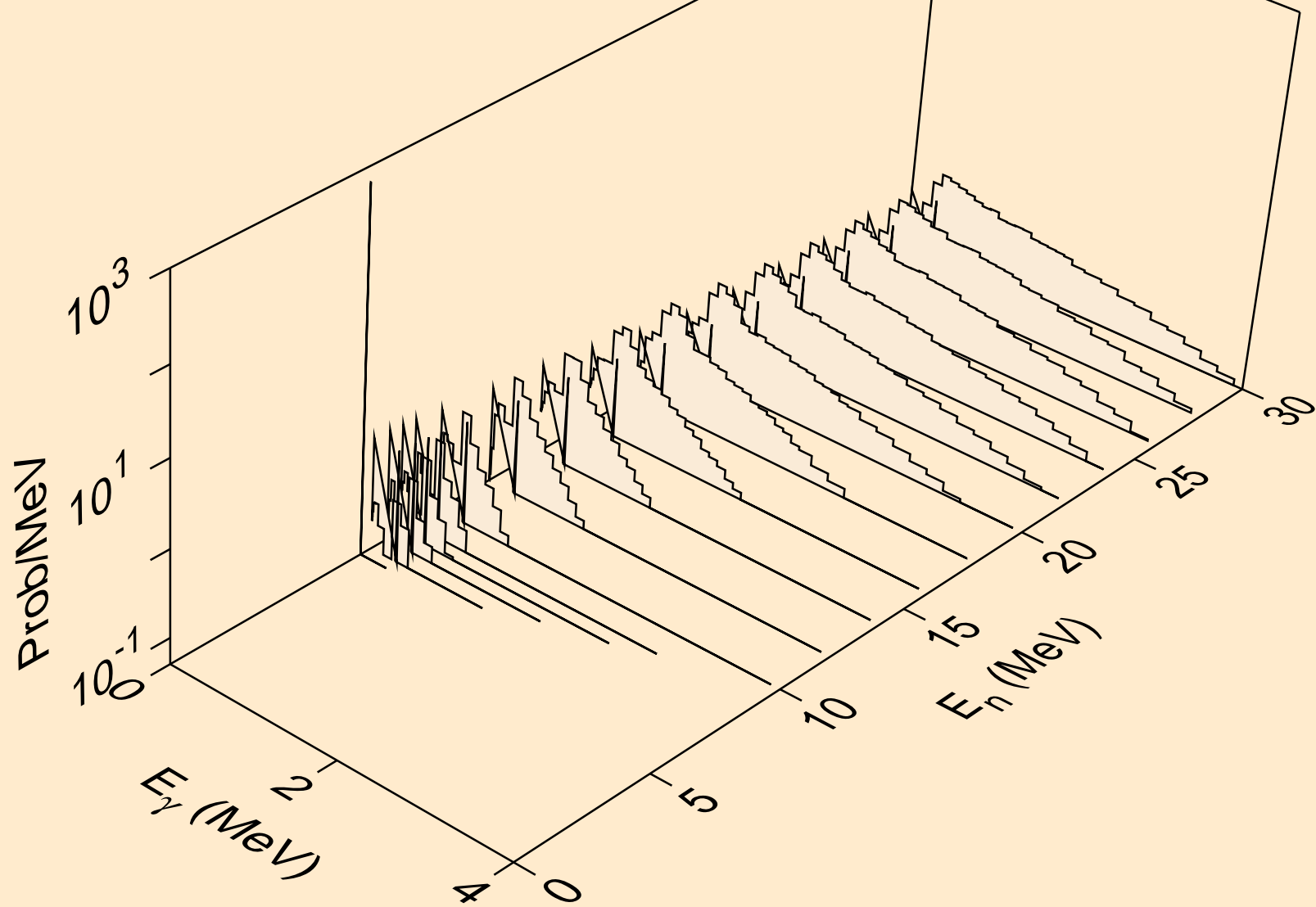
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)

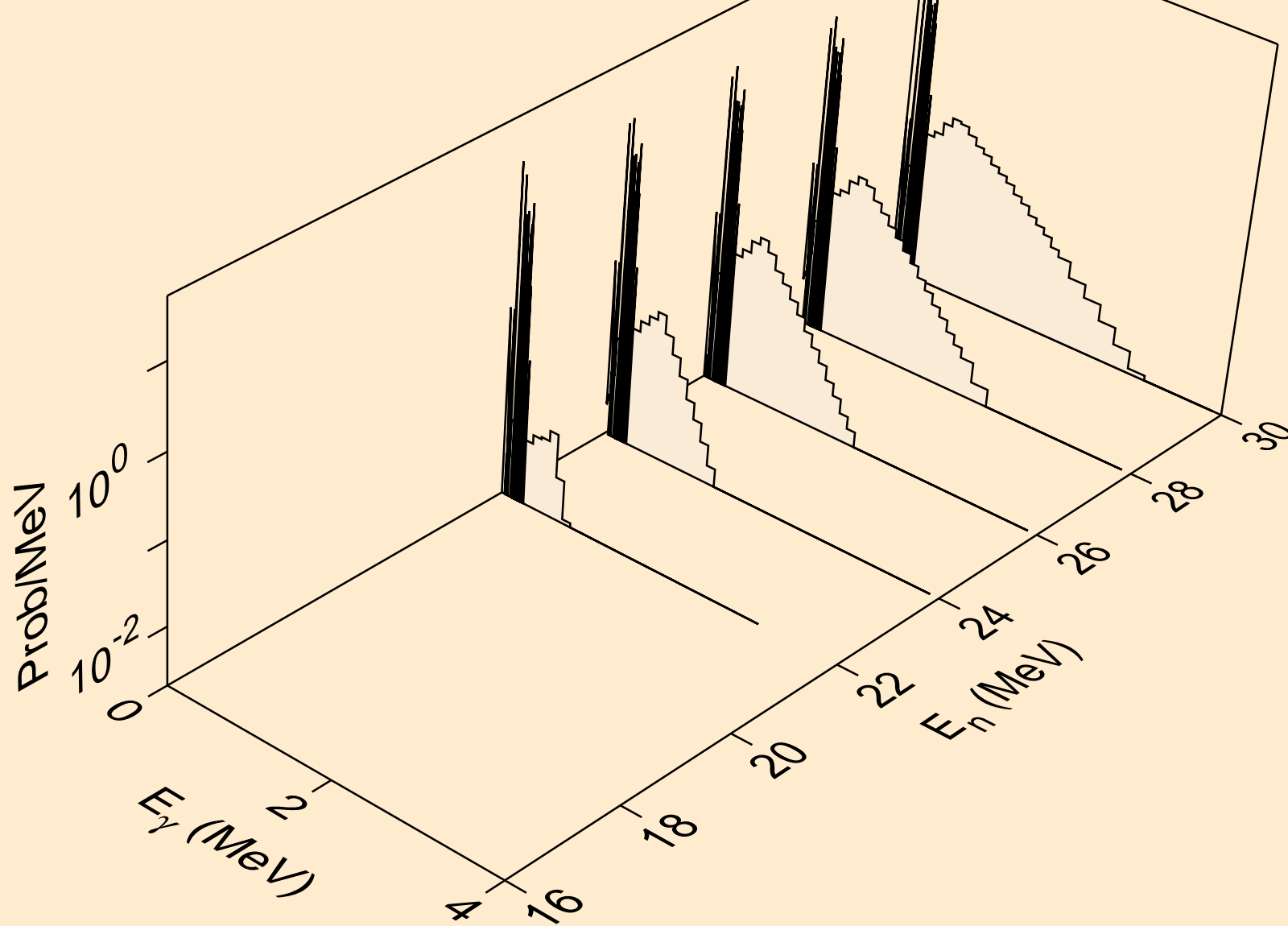


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

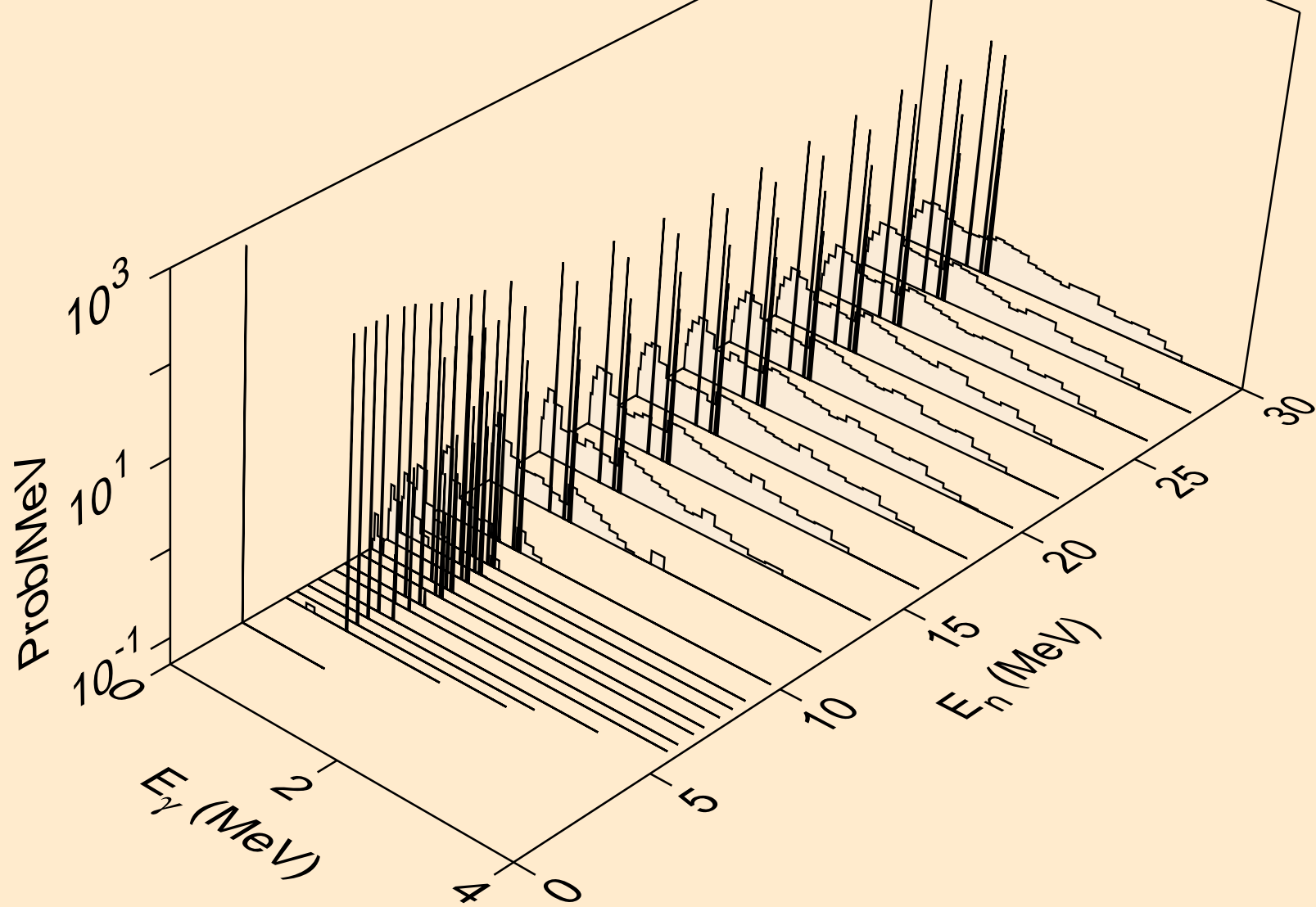




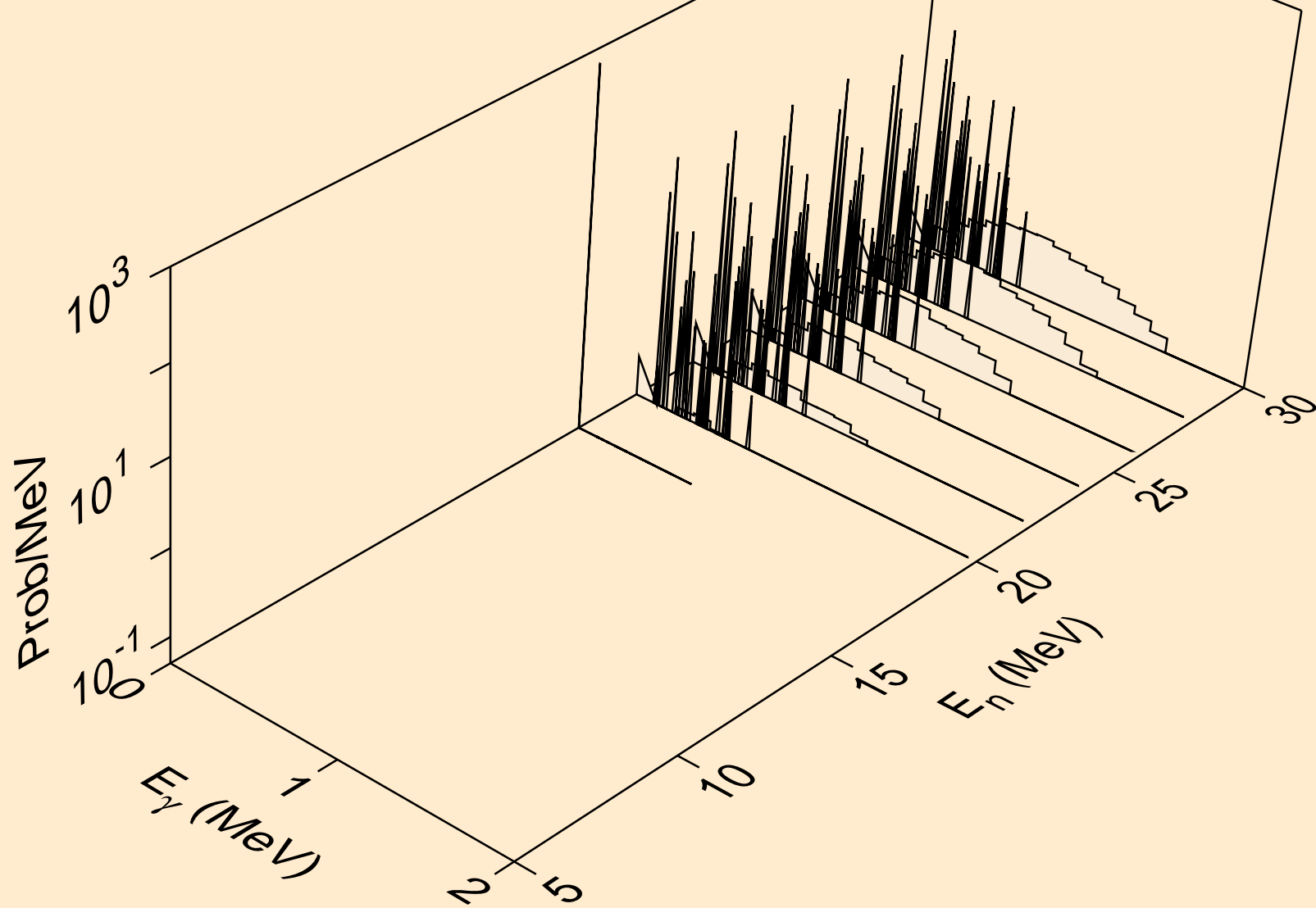
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



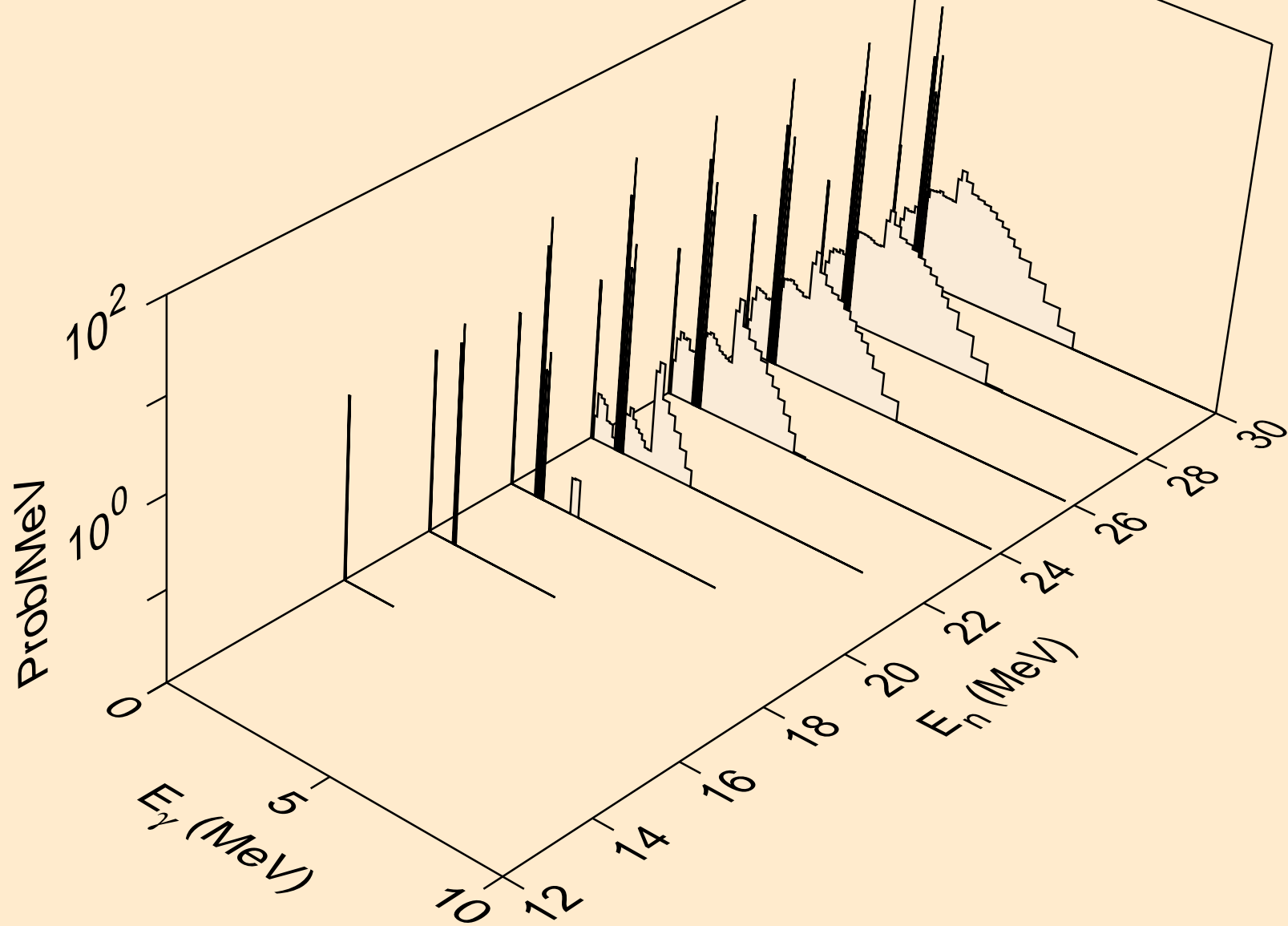
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



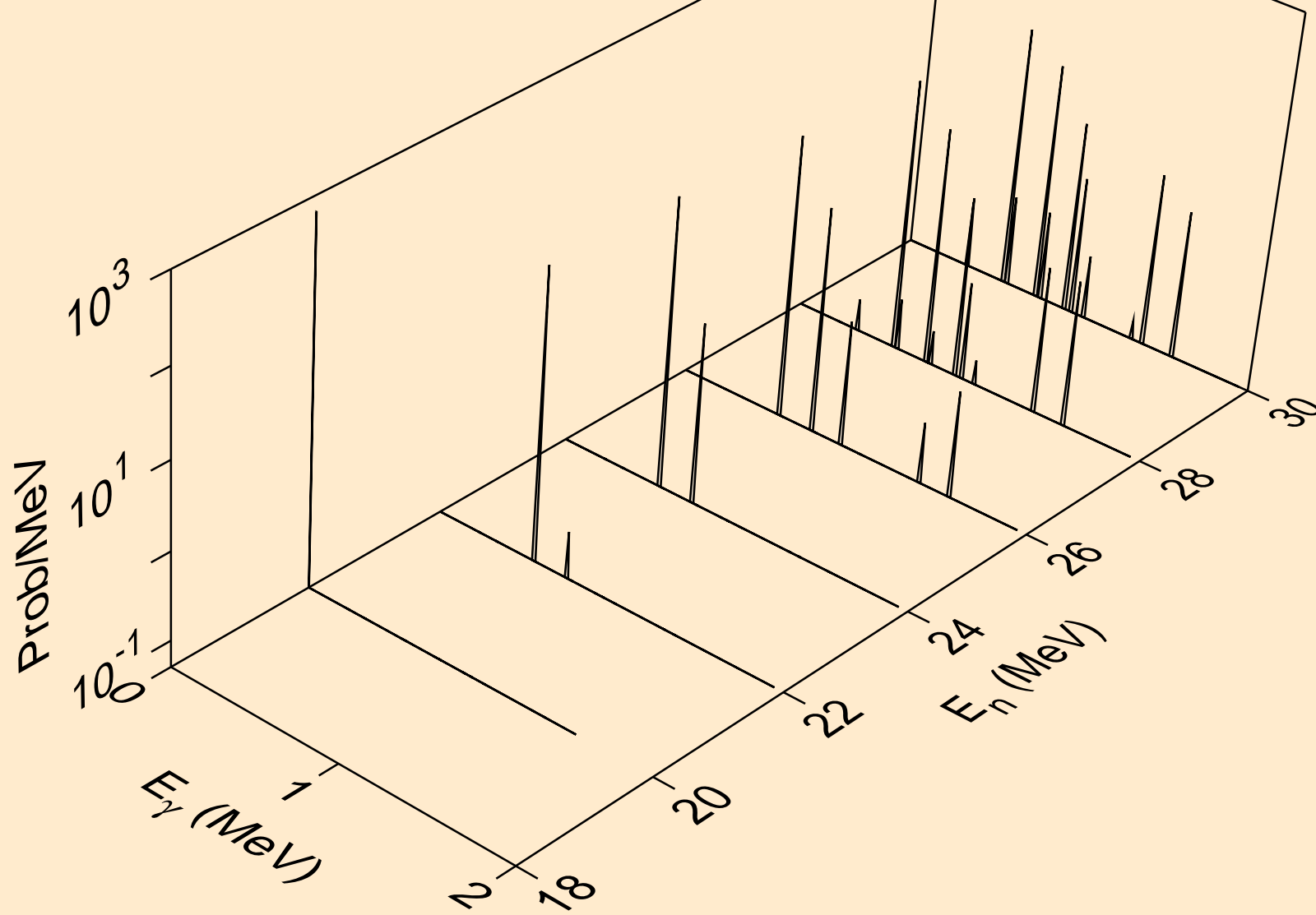
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



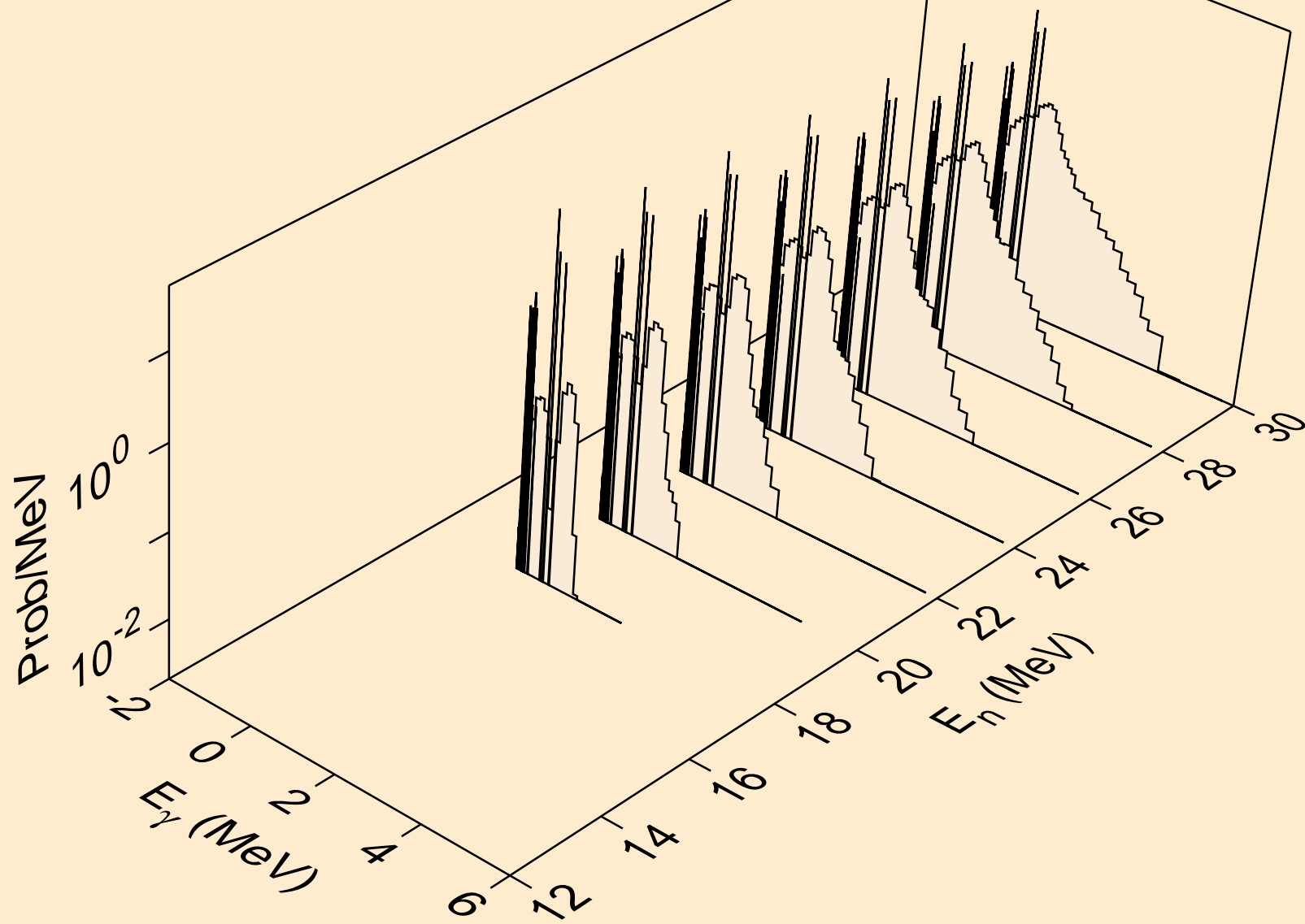
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



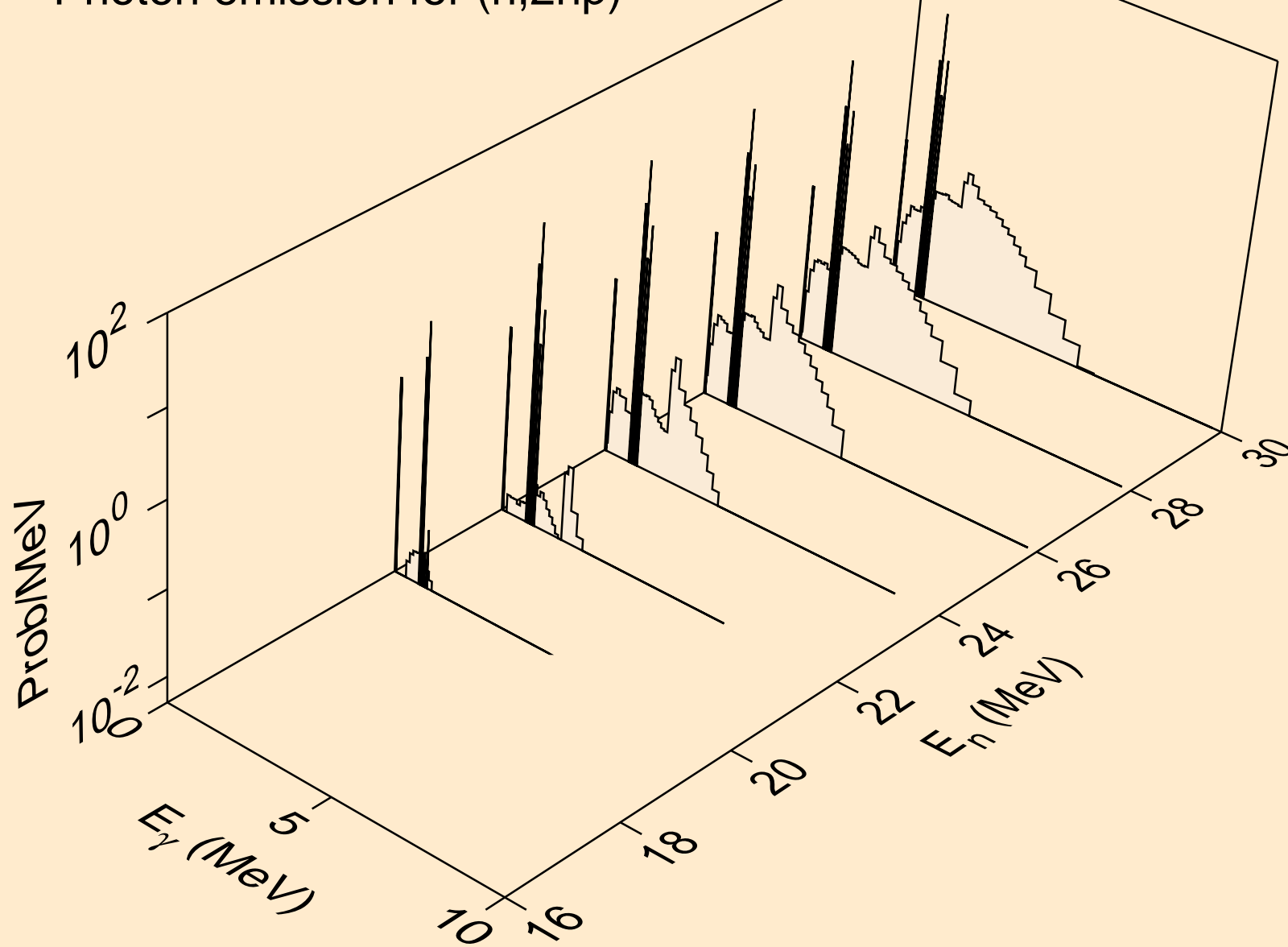
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Photon emission for (n,n\*)t



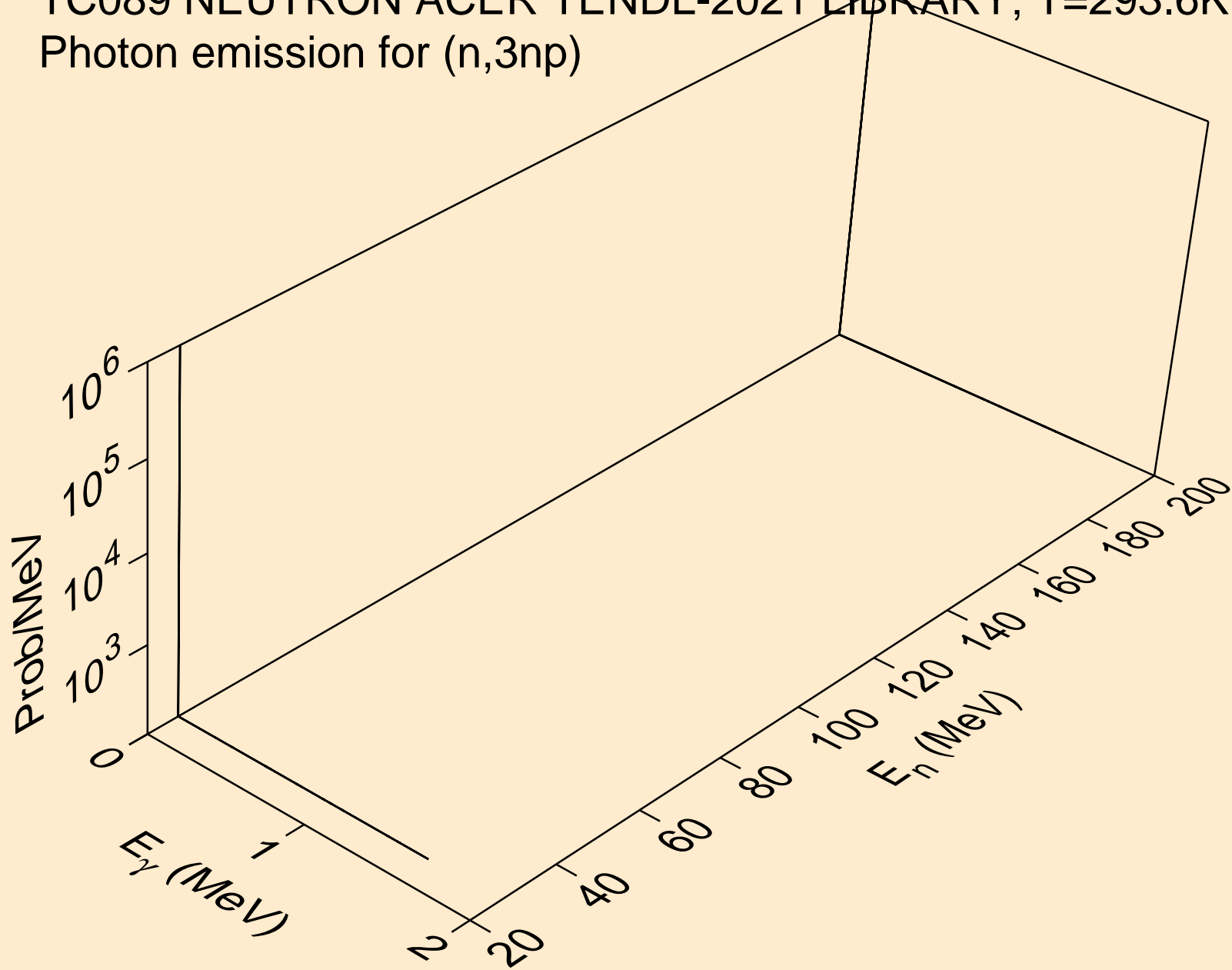
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

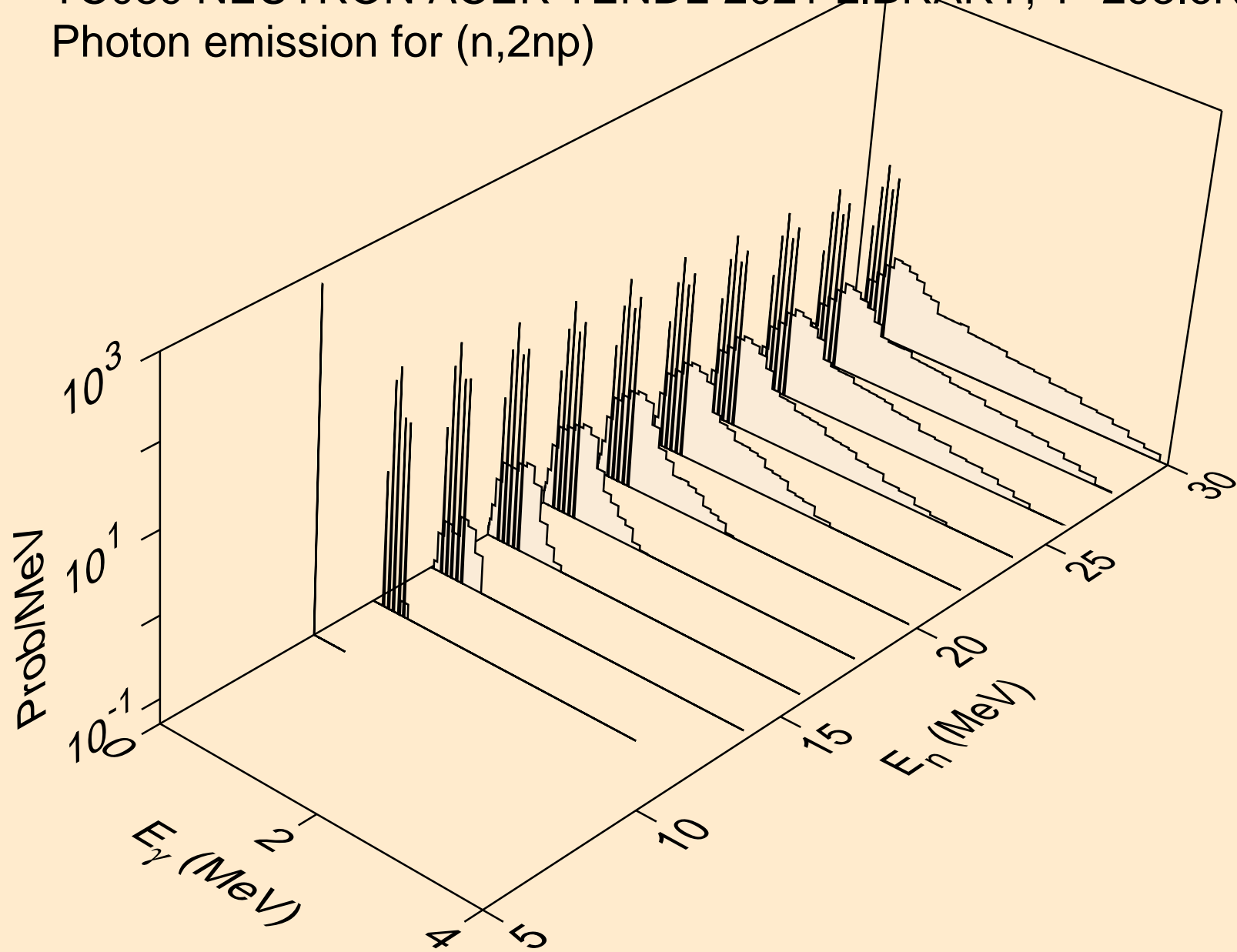


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Photon emission for (n,3np)

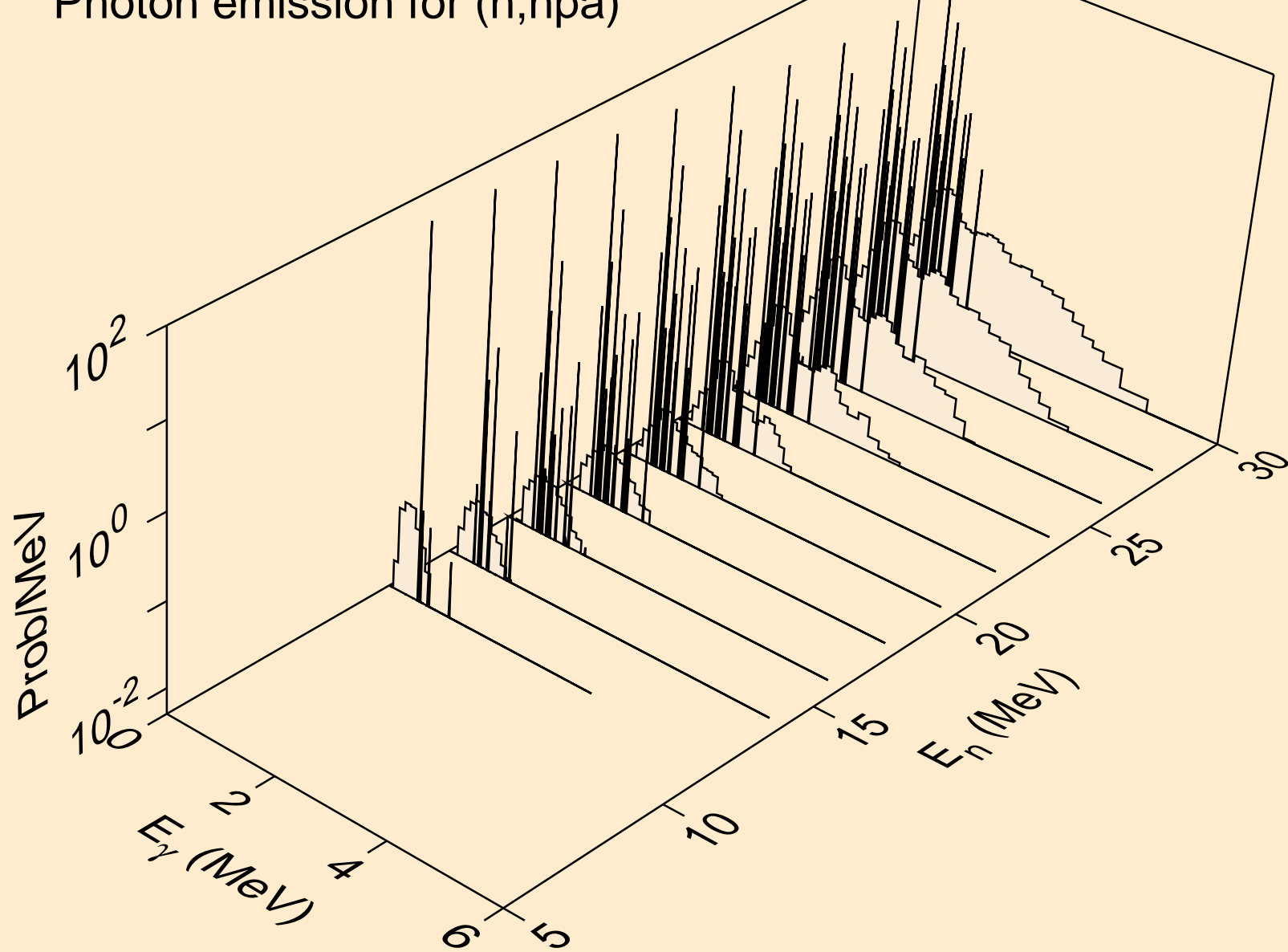




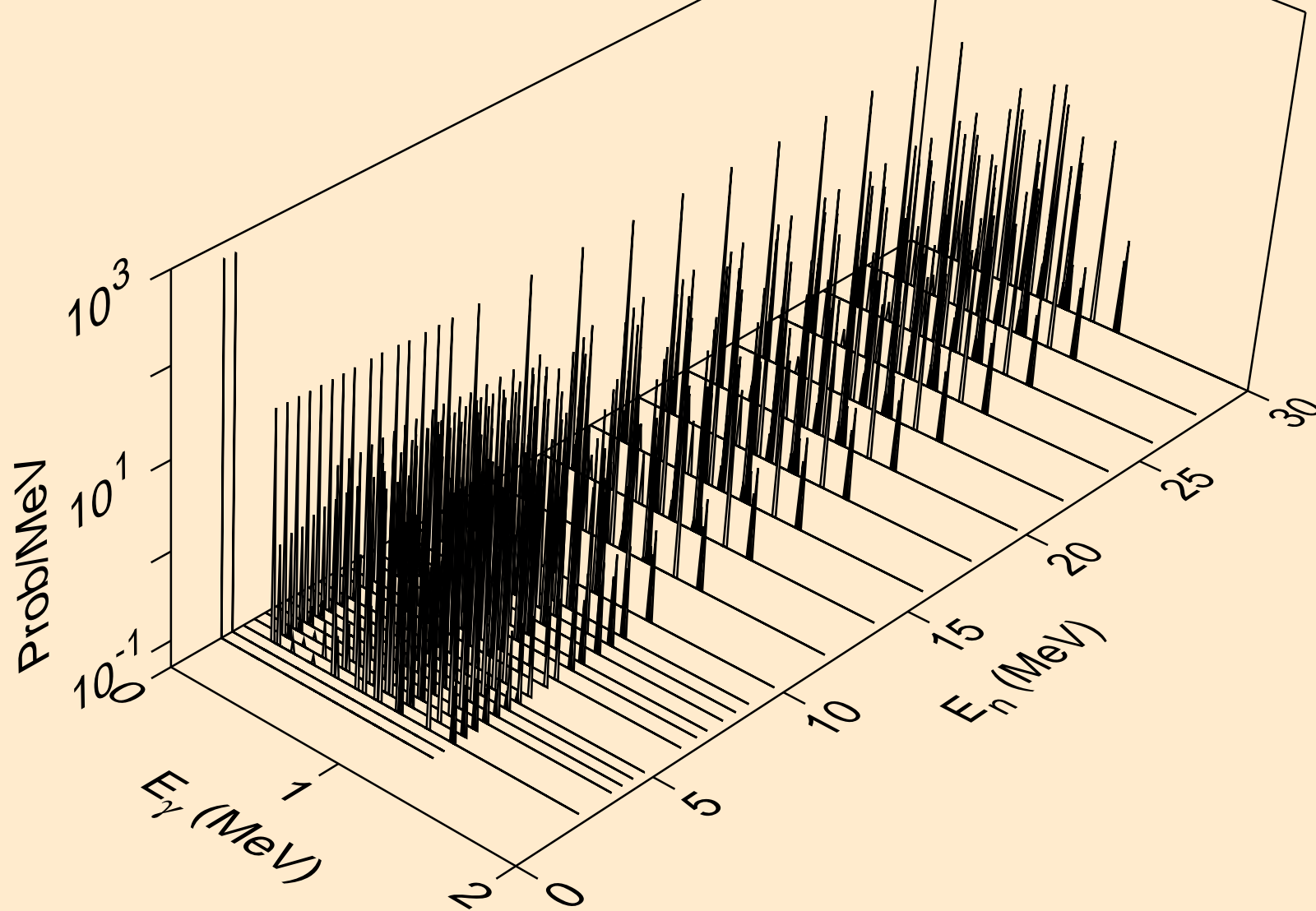
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Photon emission for (n,2np)



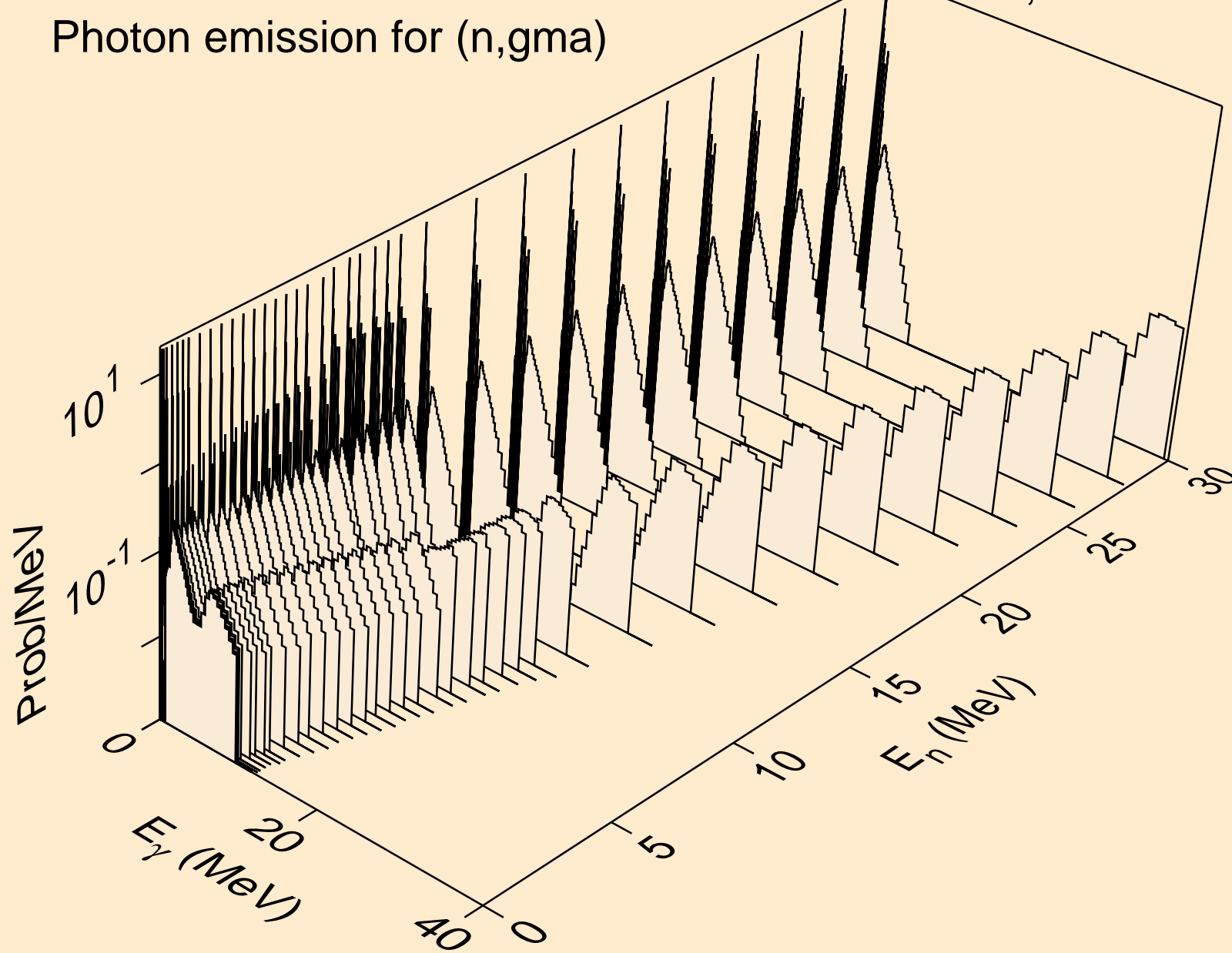
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Photon emission for (n,npa)



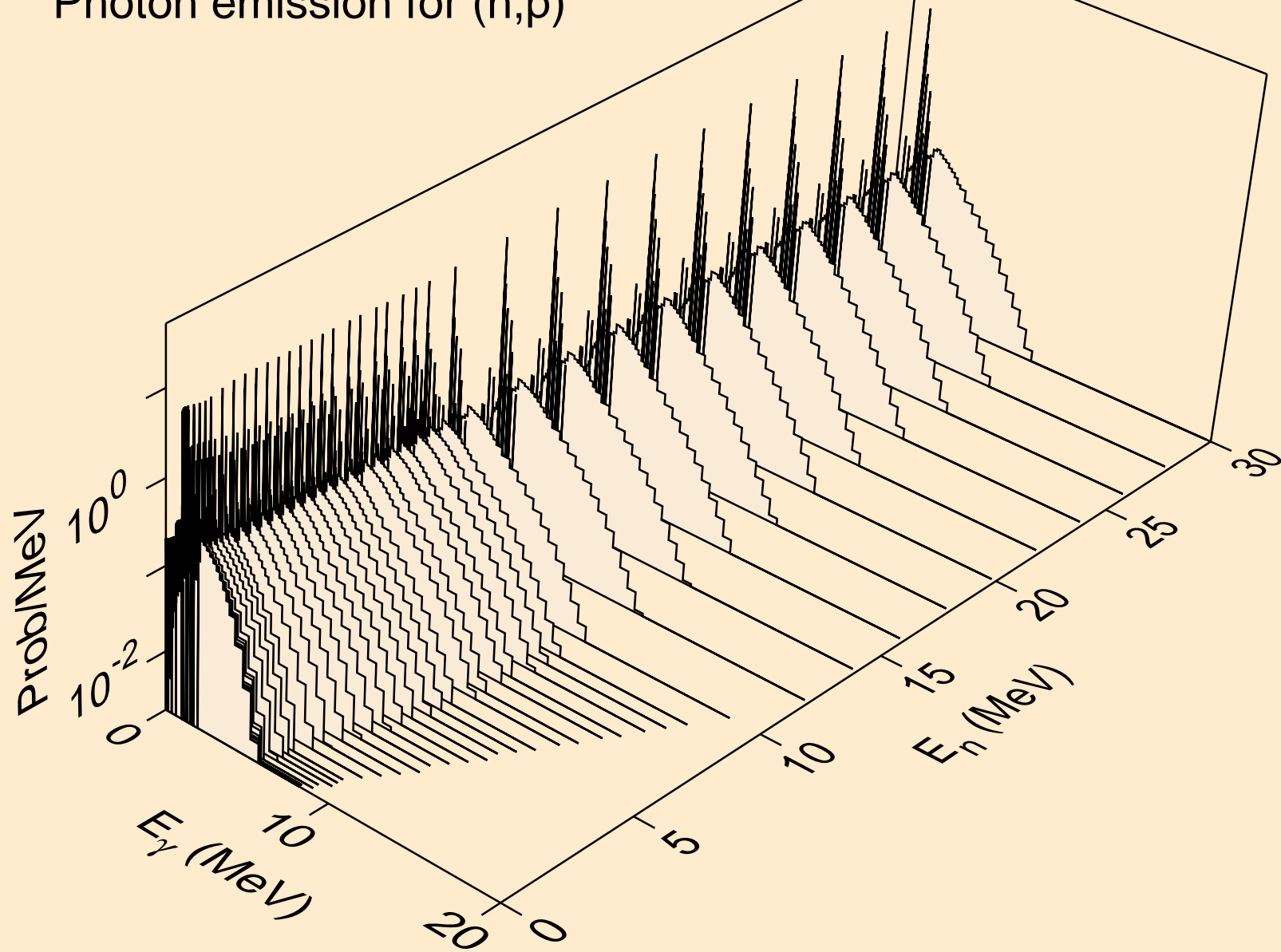
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Photon emission for (n,n\*c)



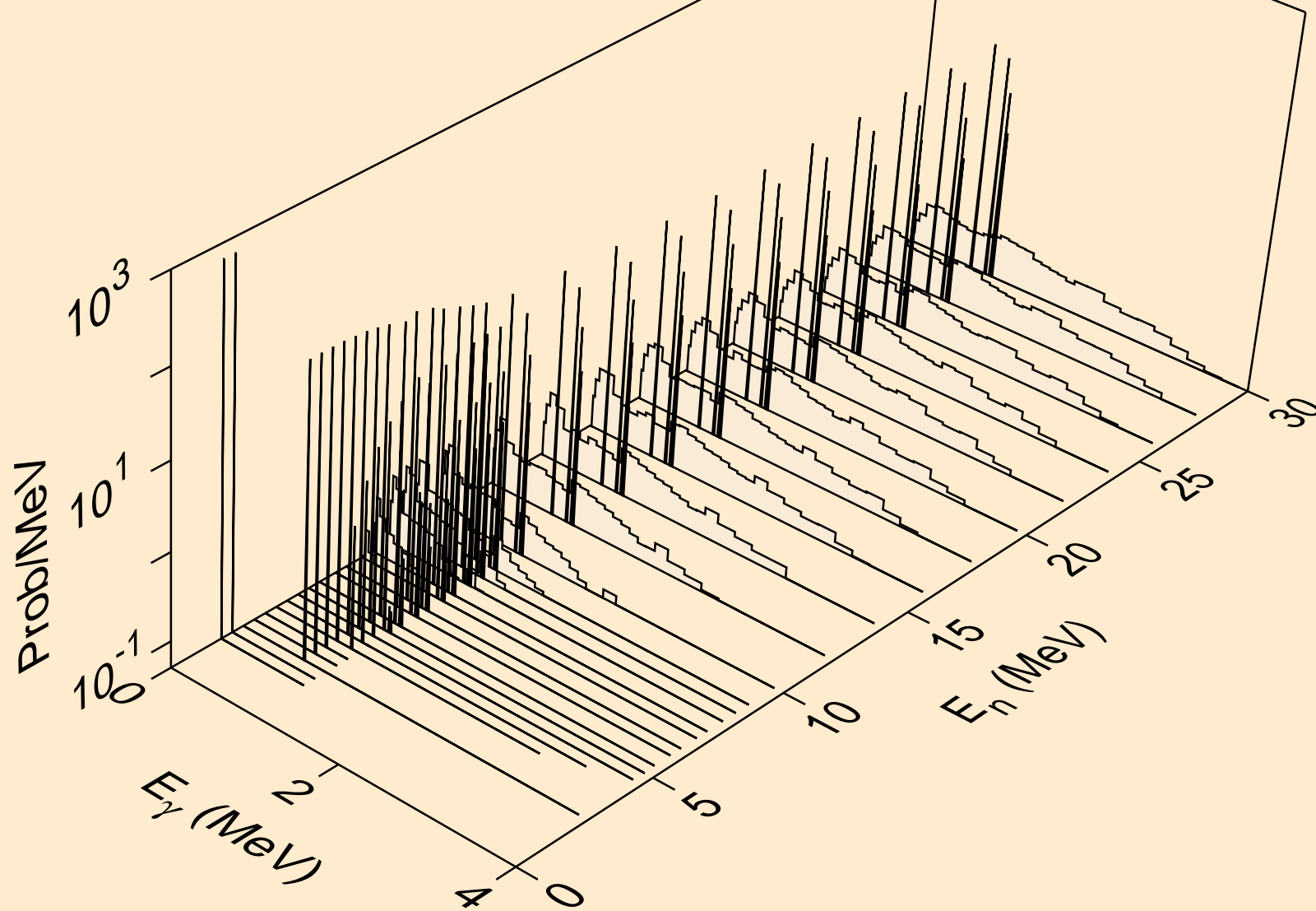
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



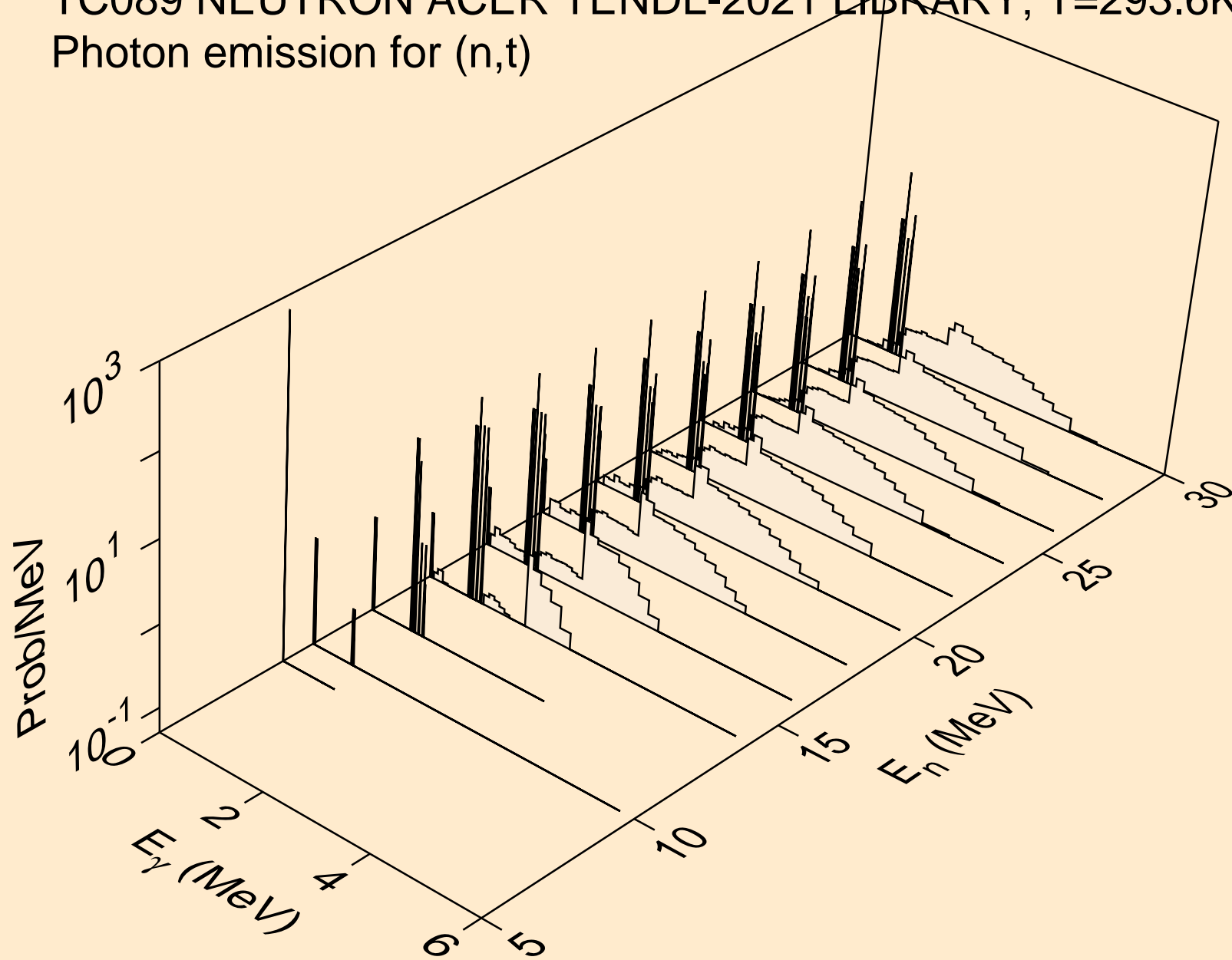
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



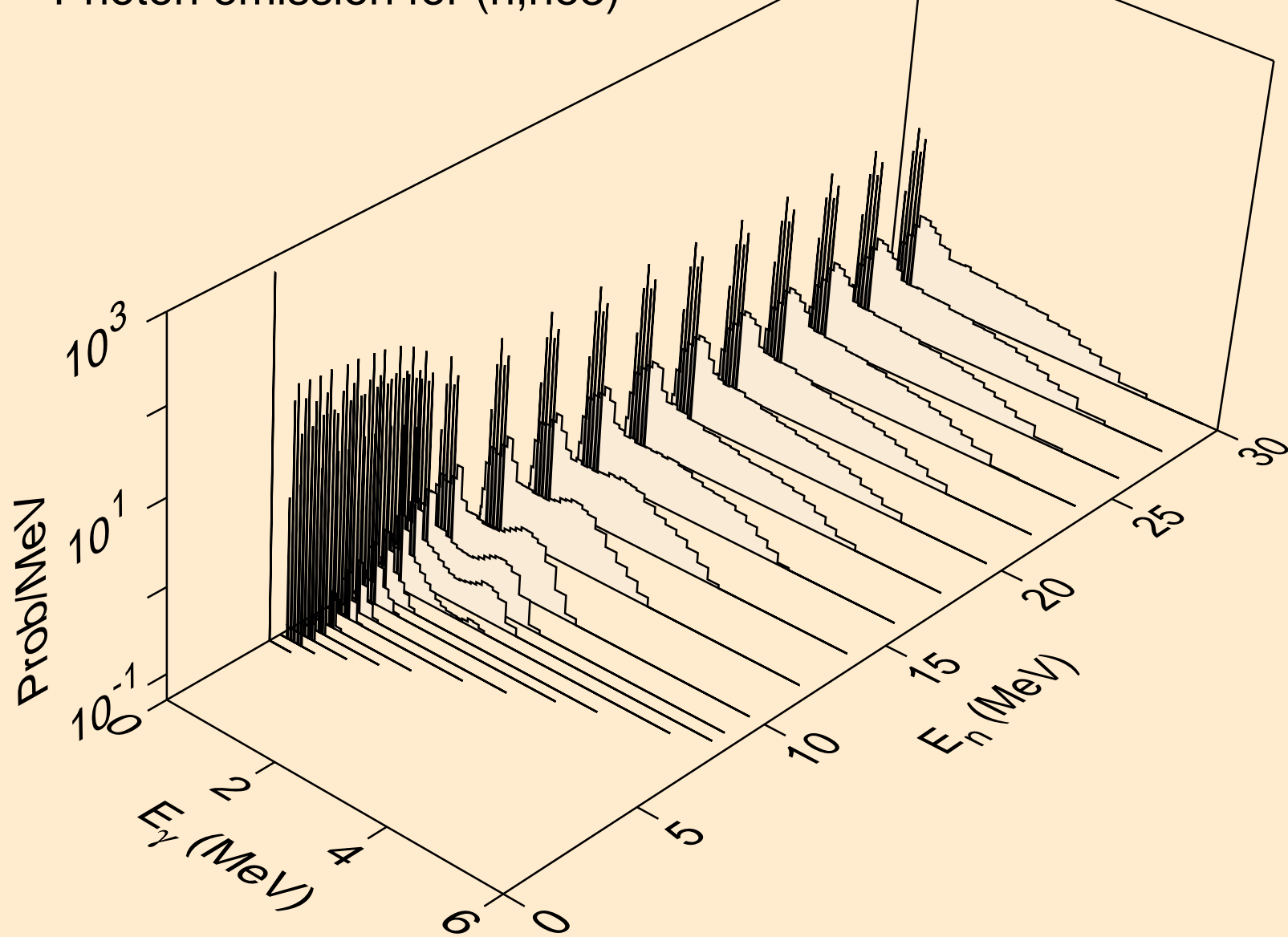
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)

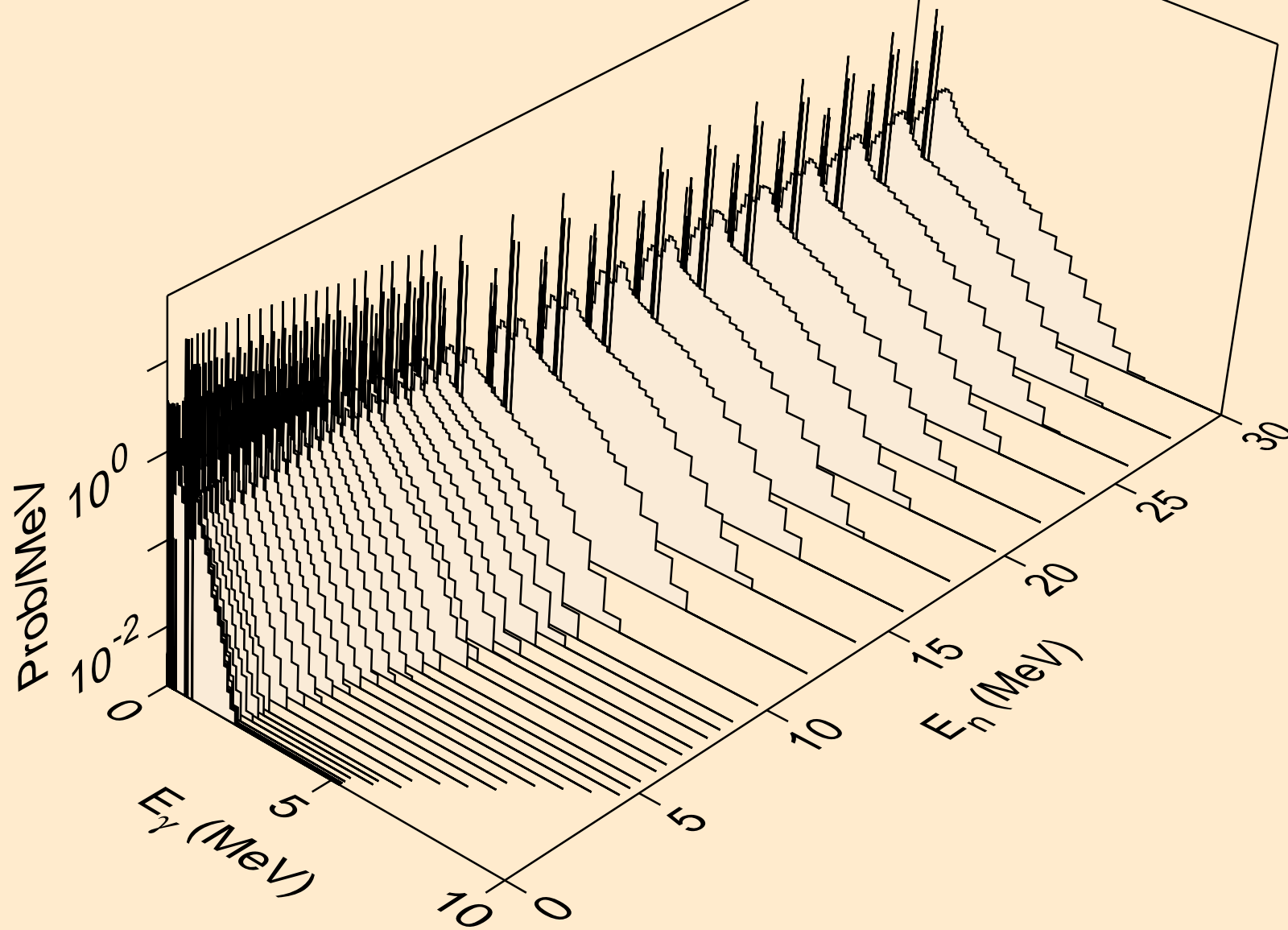


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

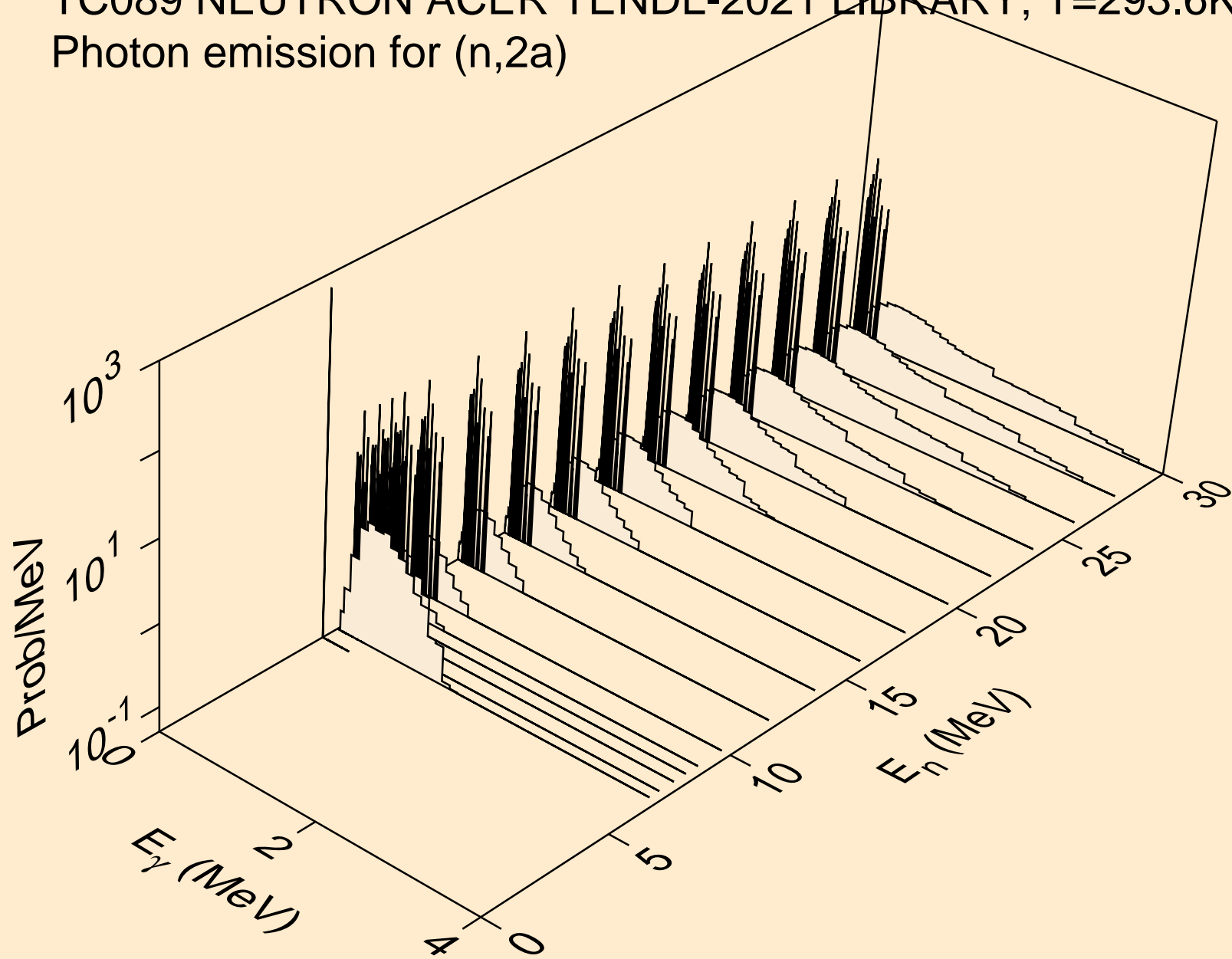




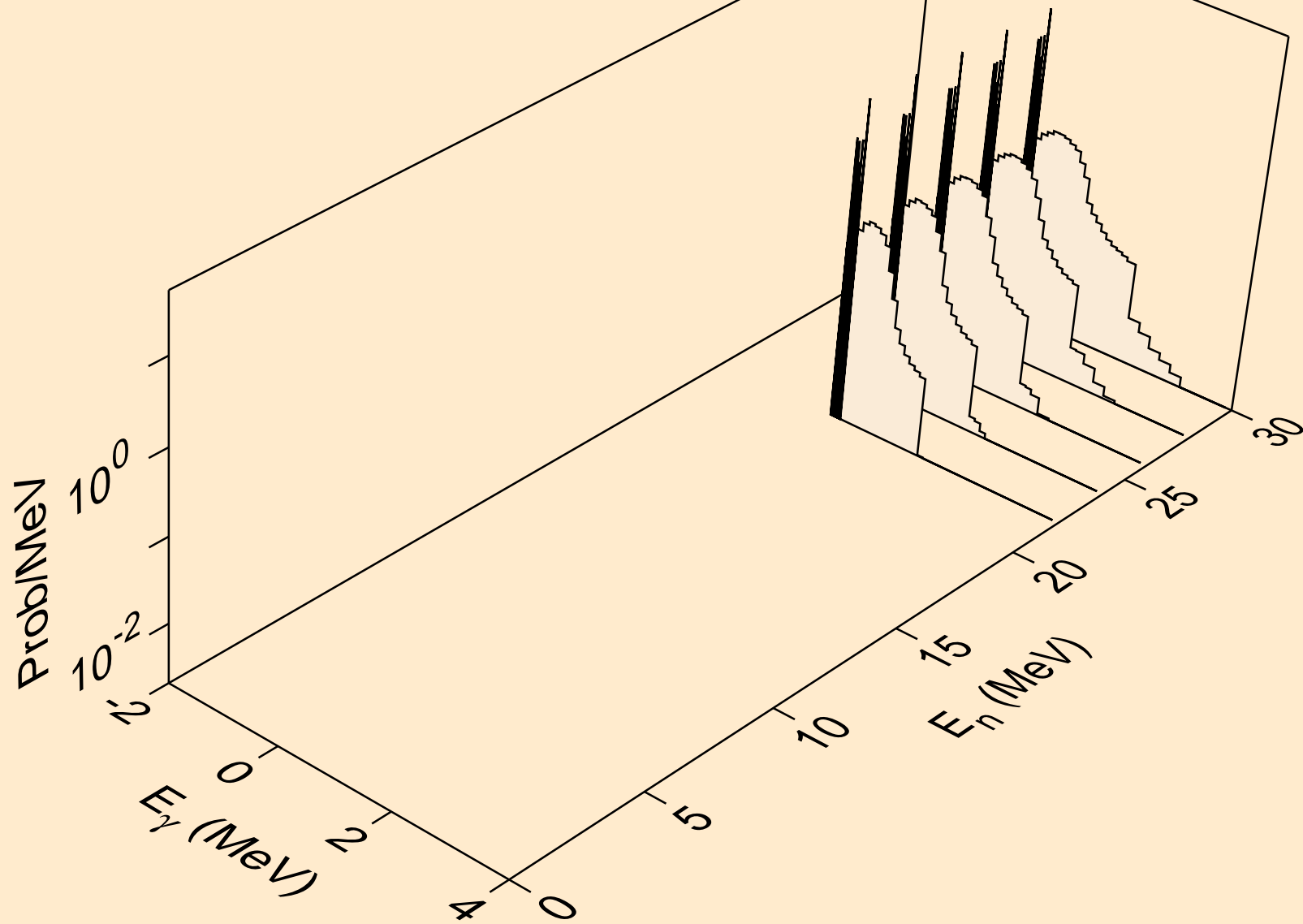
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



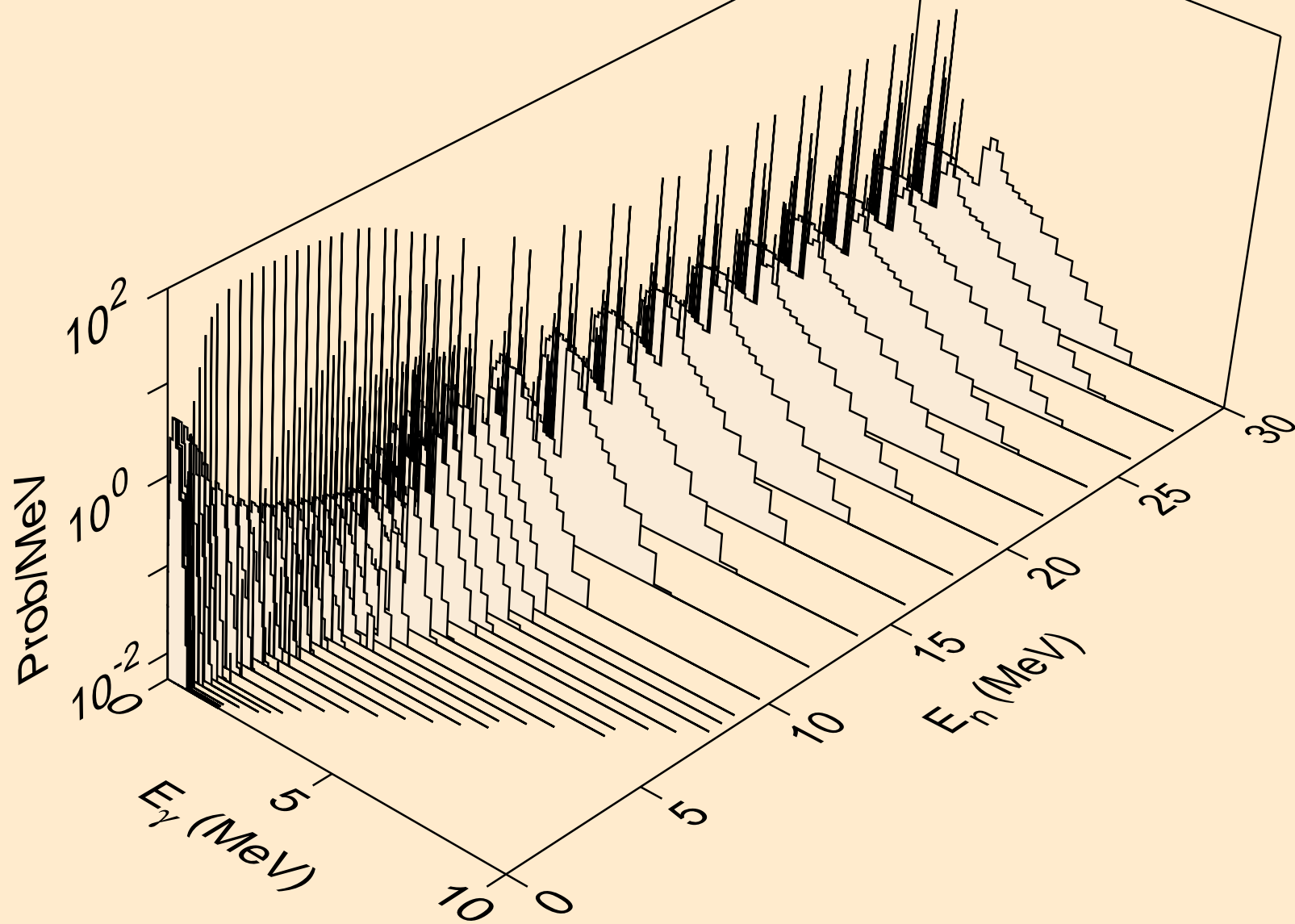
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



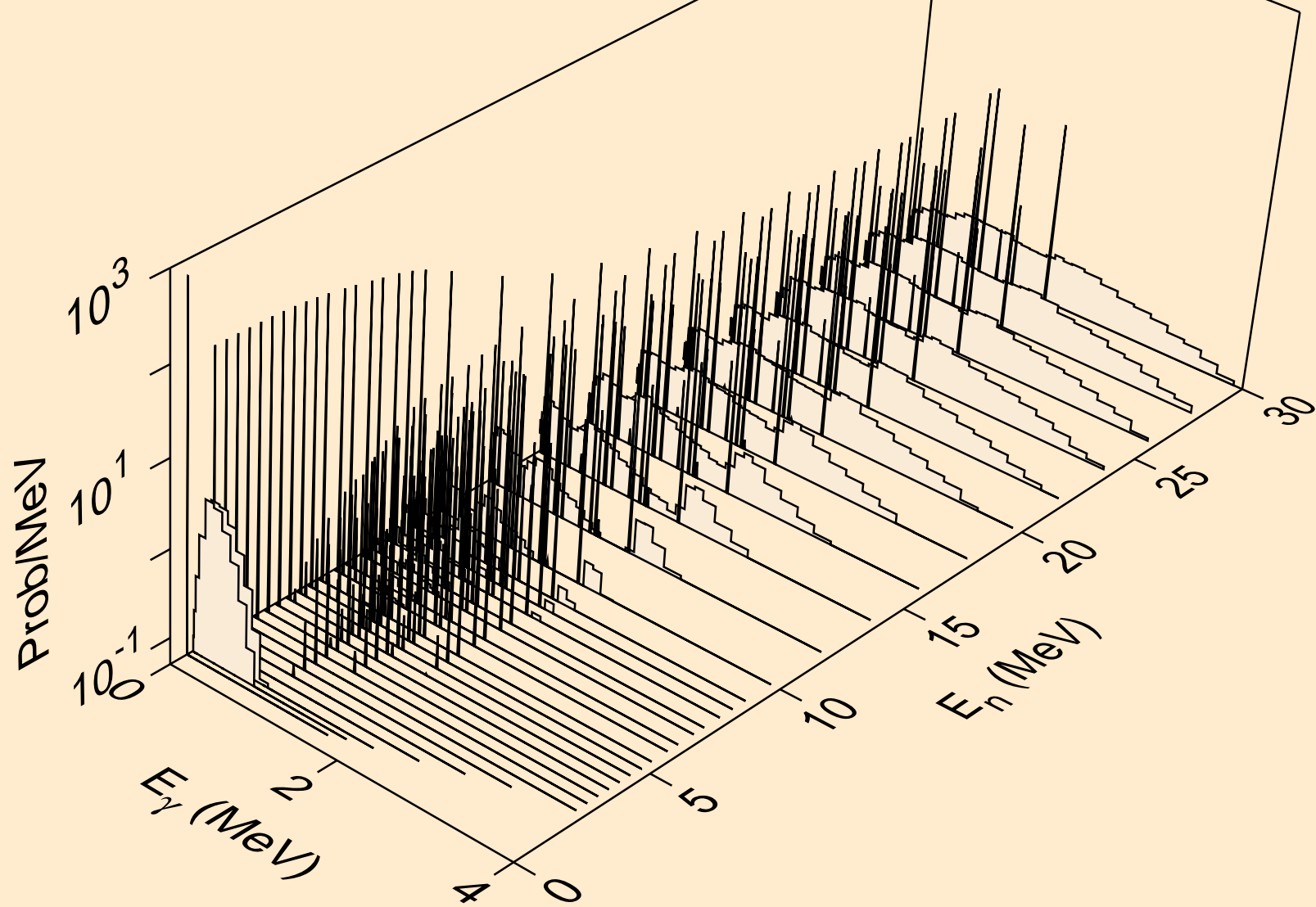
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



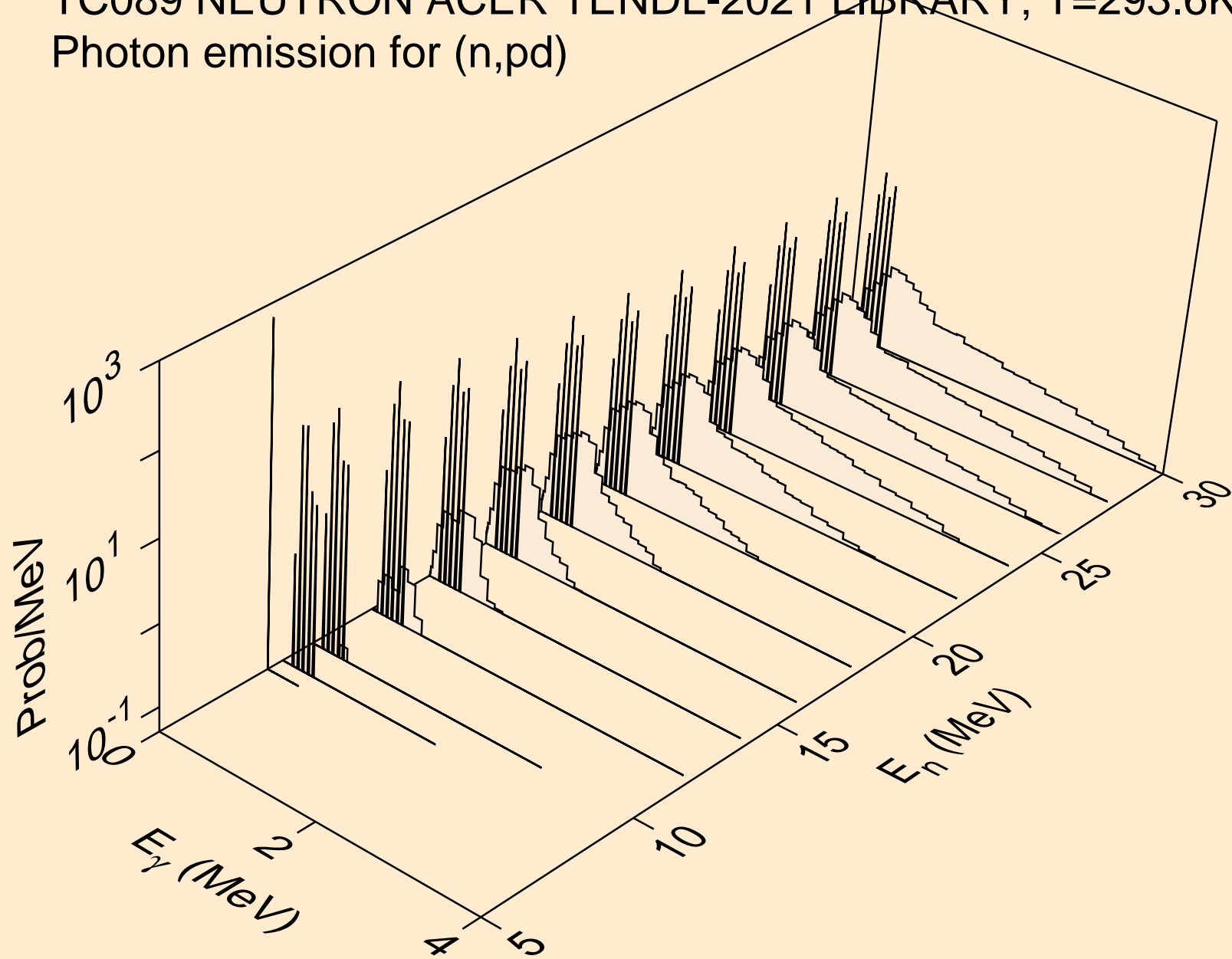
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



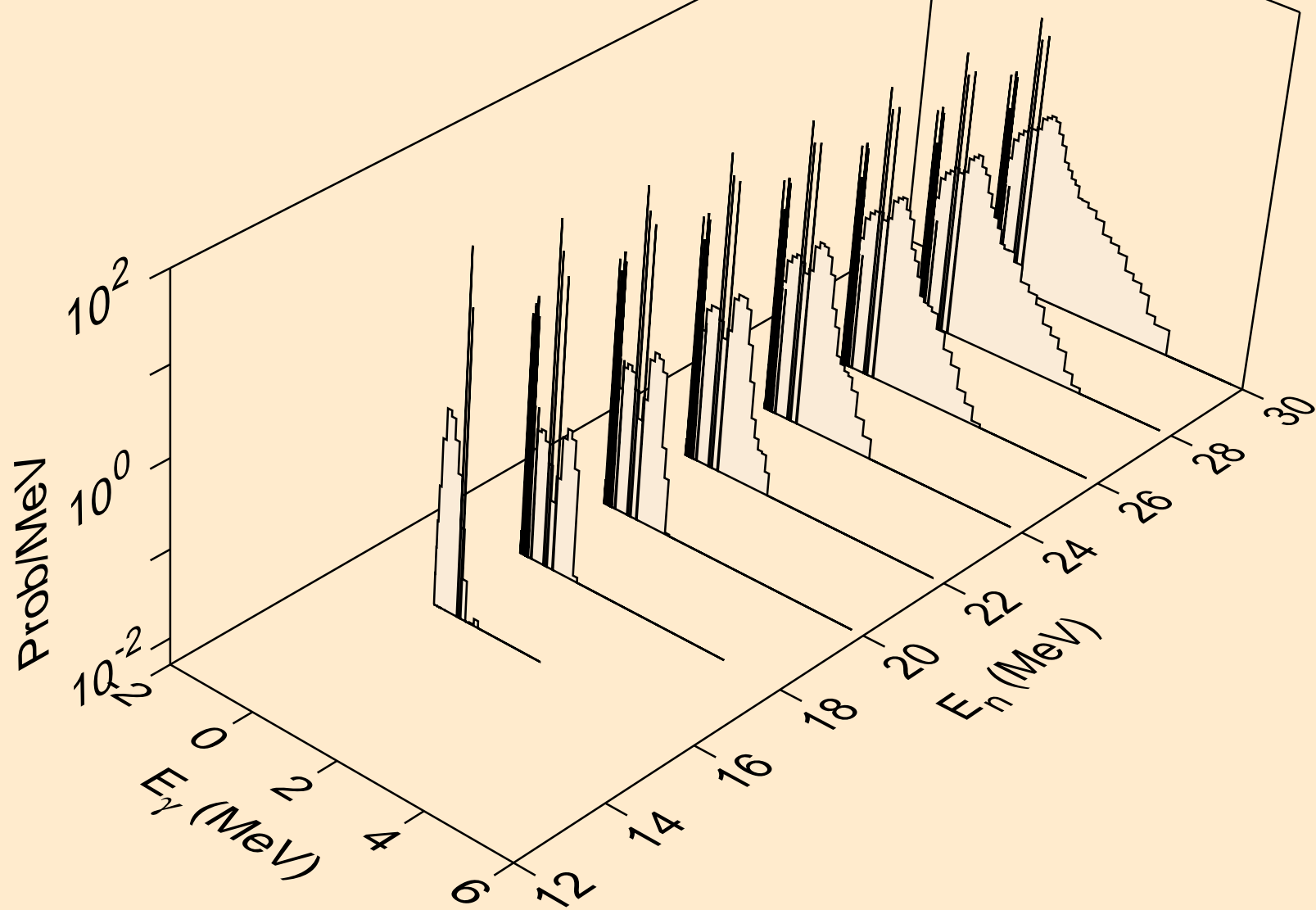
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



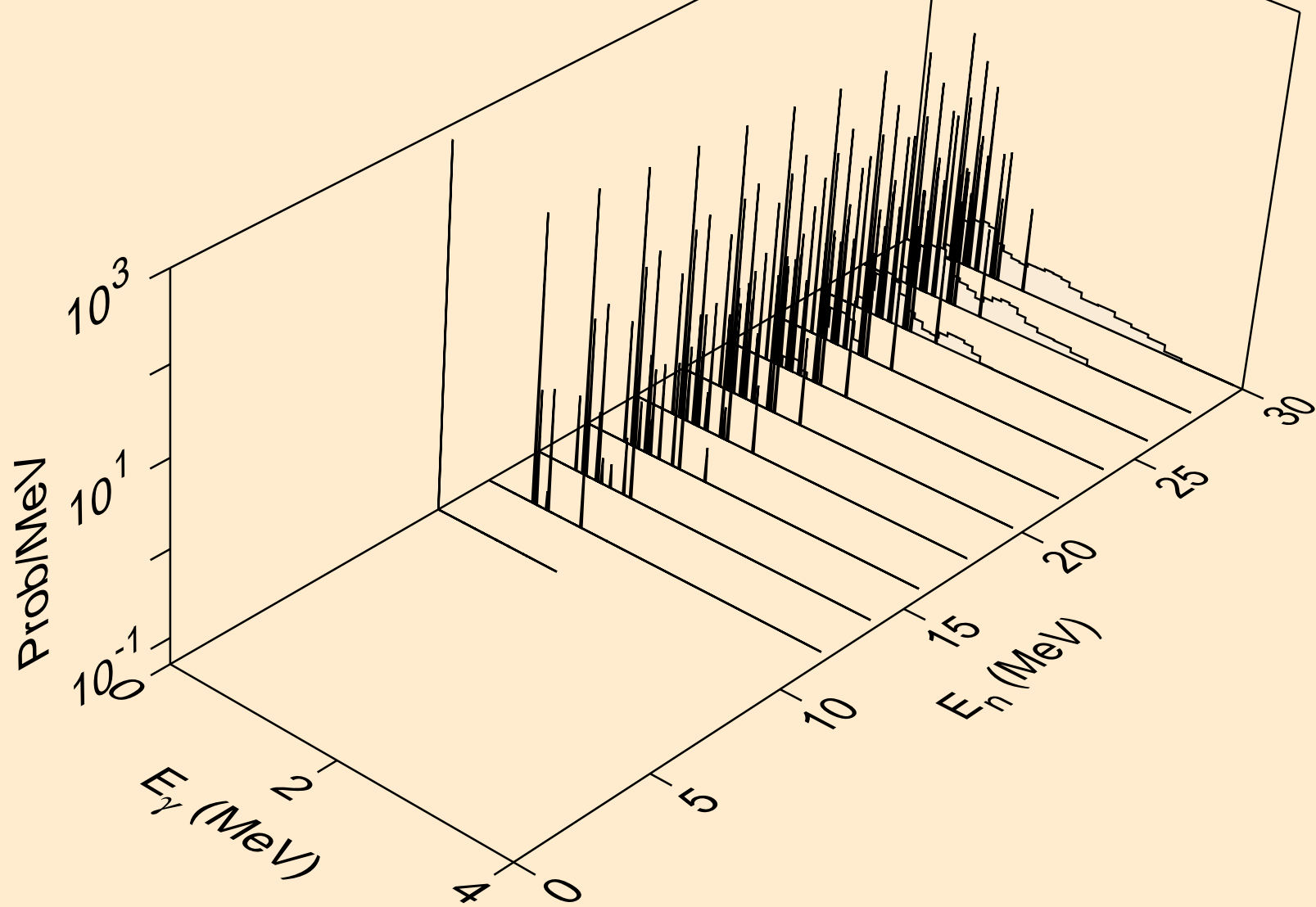
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)

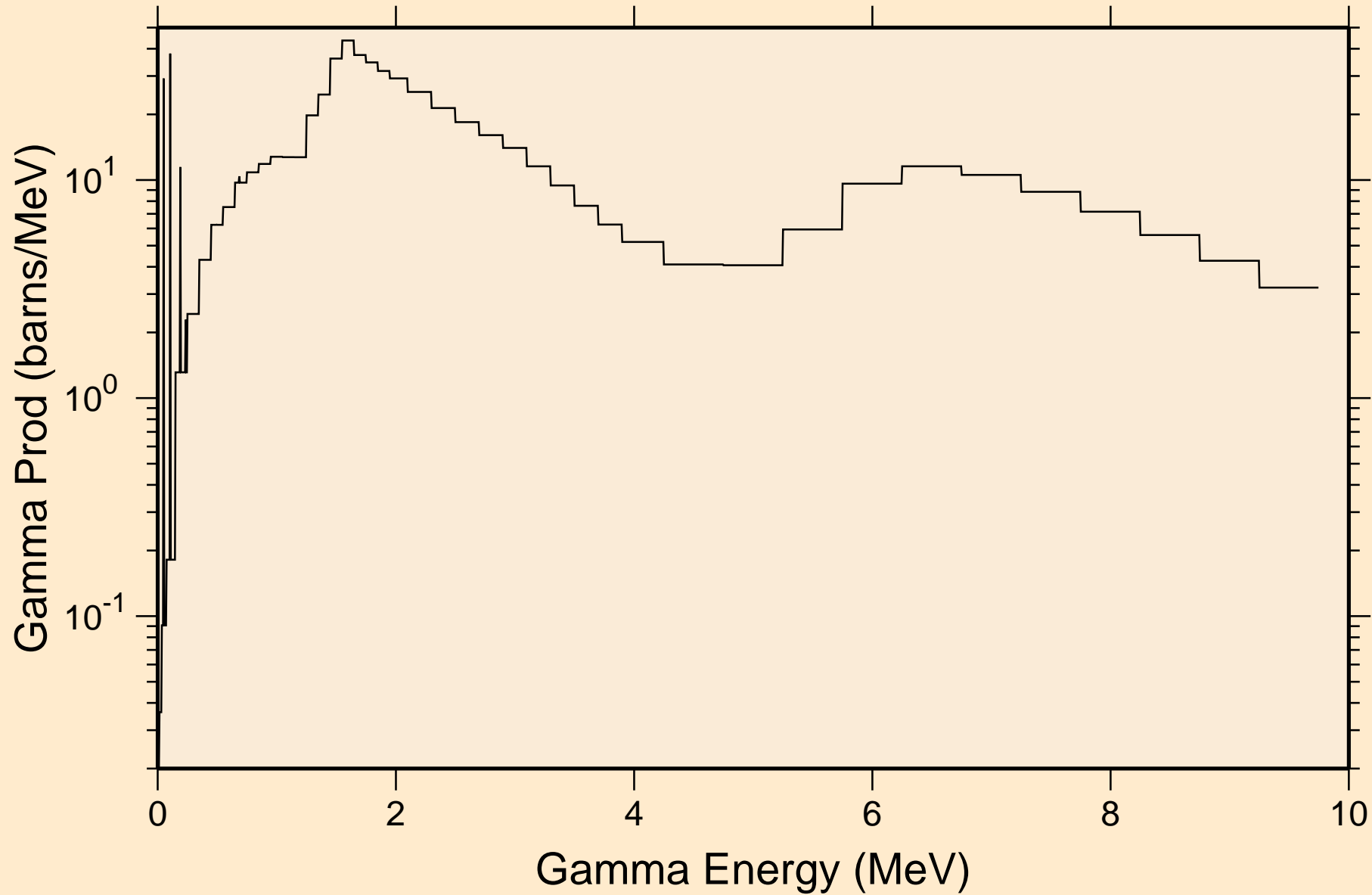


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

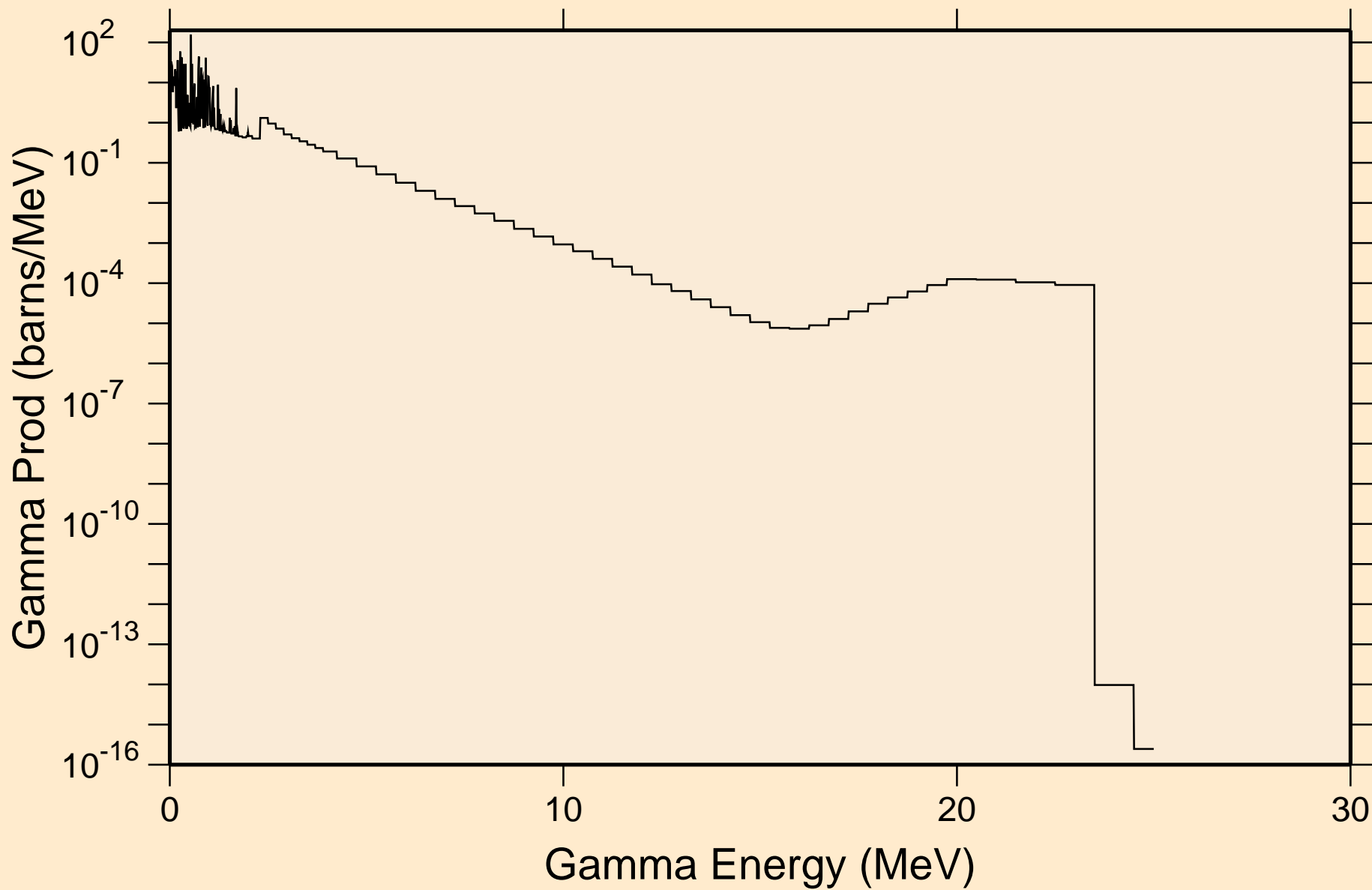




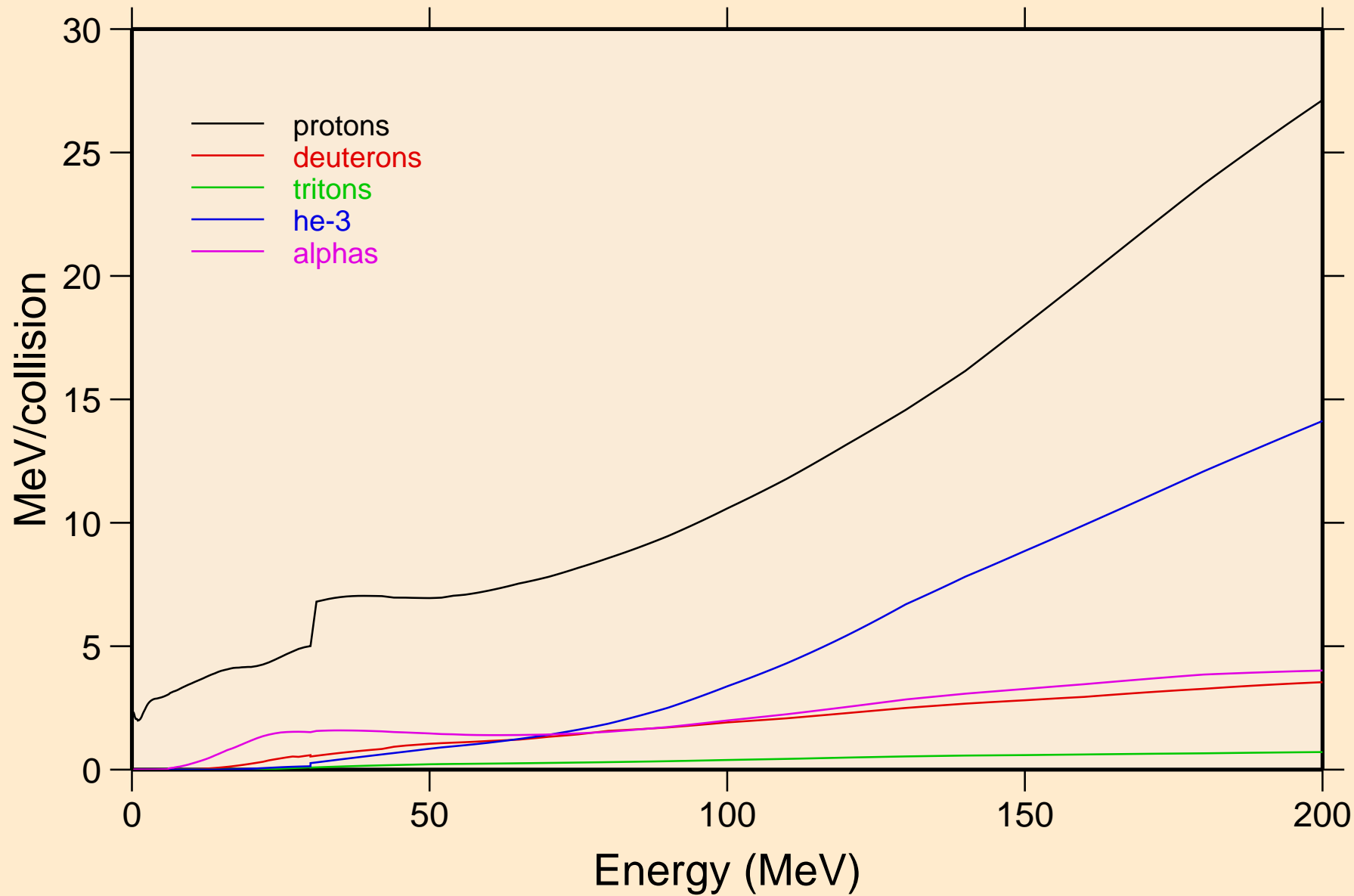
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thermal capture photon spectrum



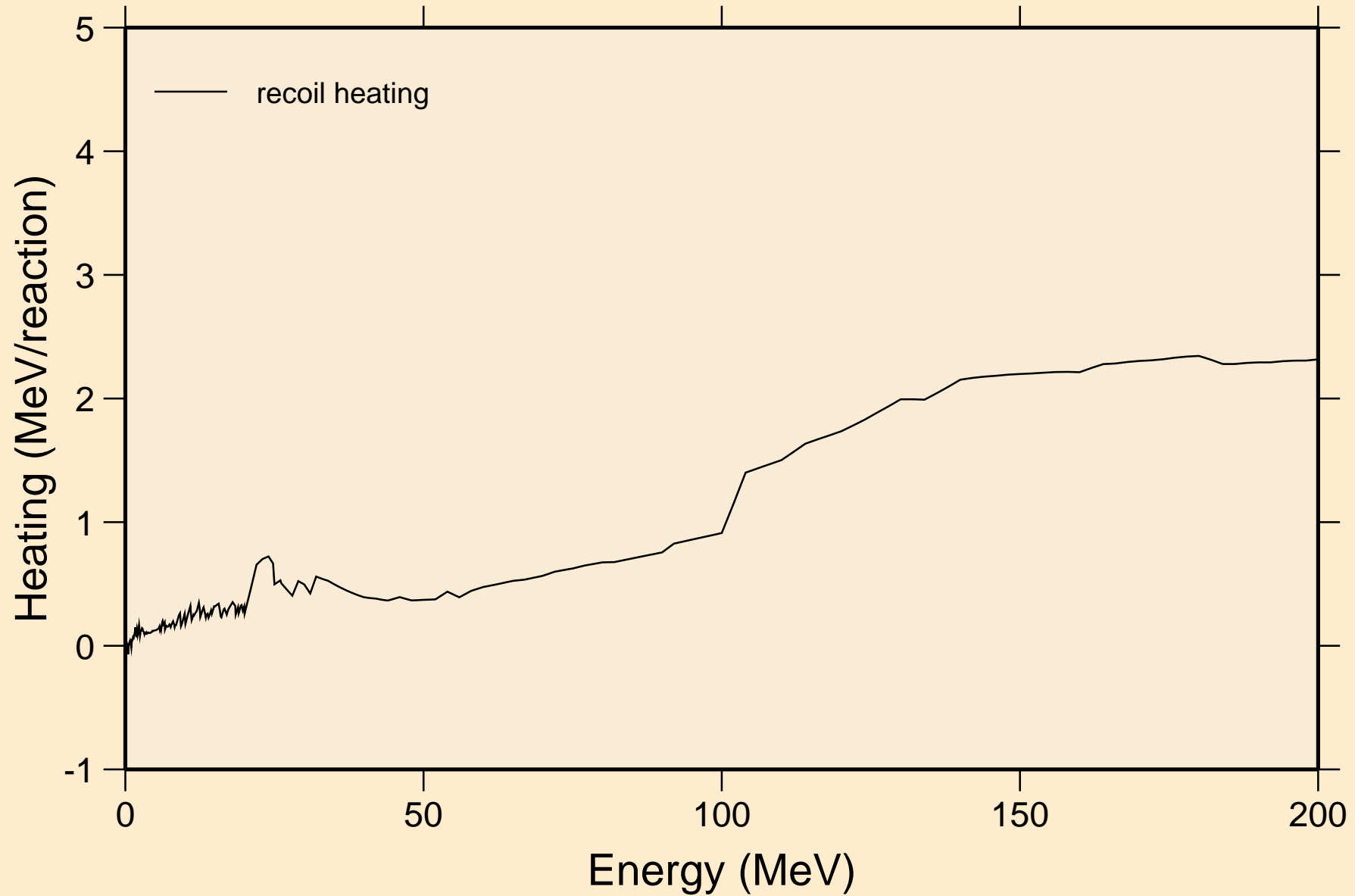
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14 MeV photon spectrum



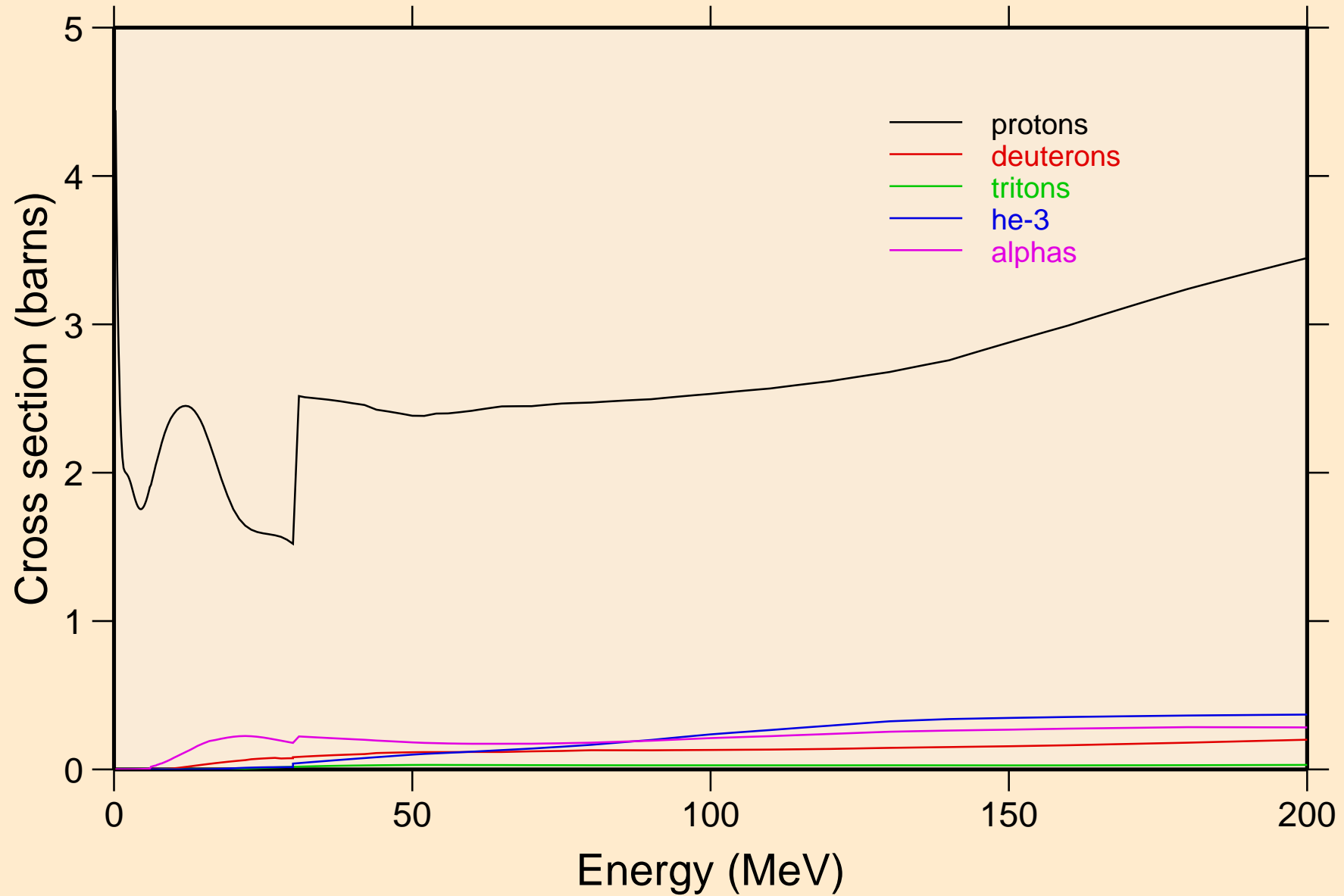
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Particle heating contributions



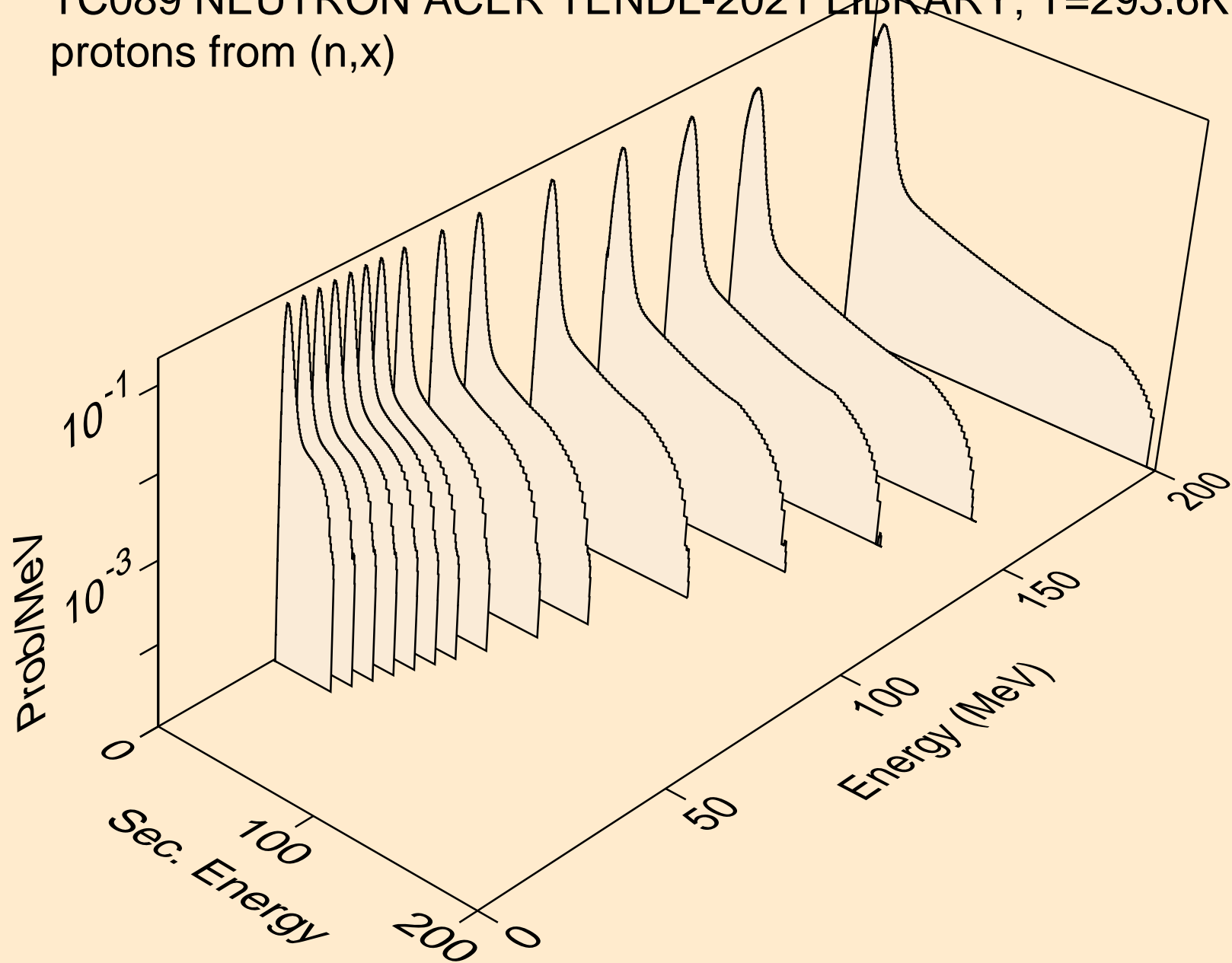
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Recoil Heating



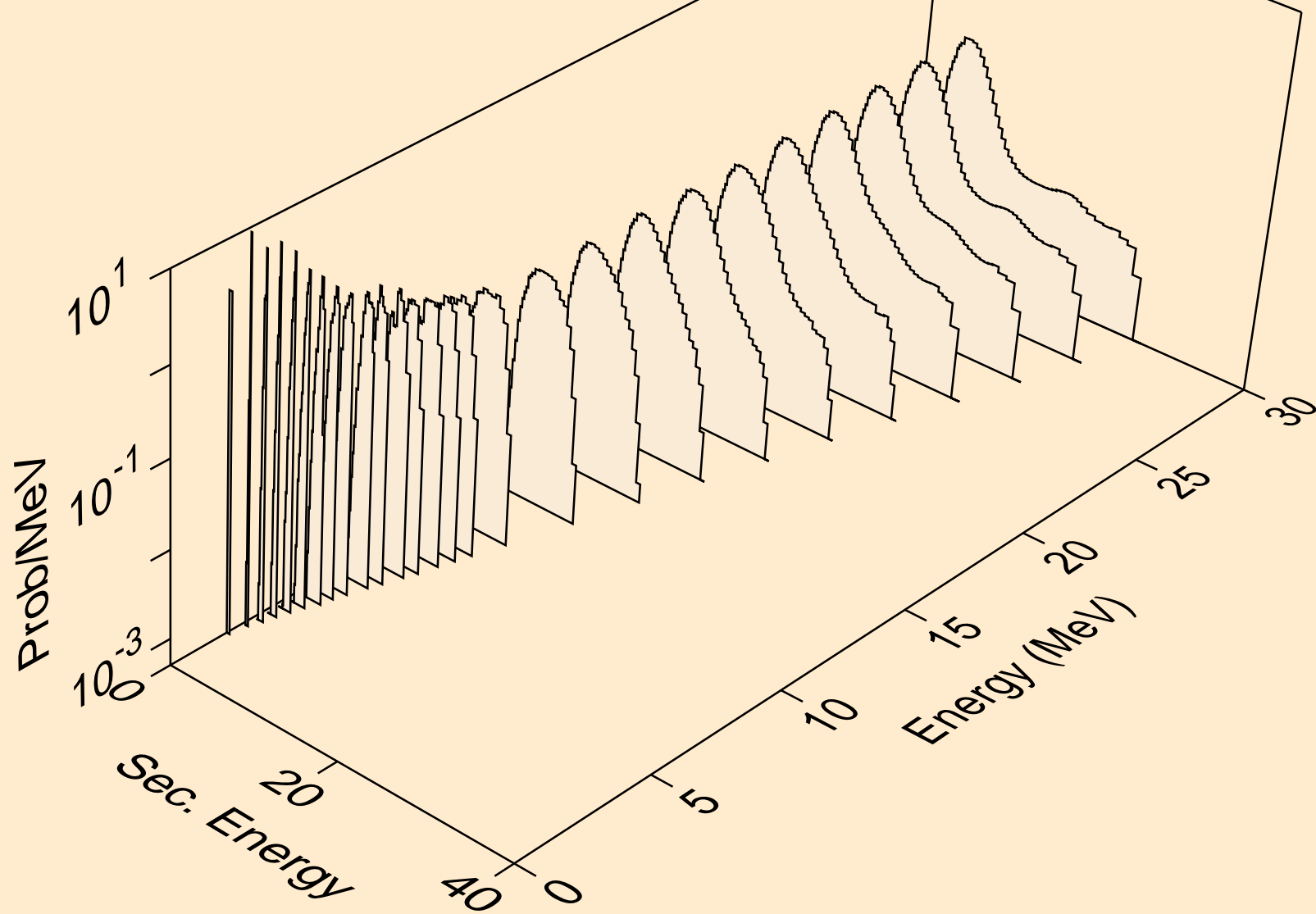
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



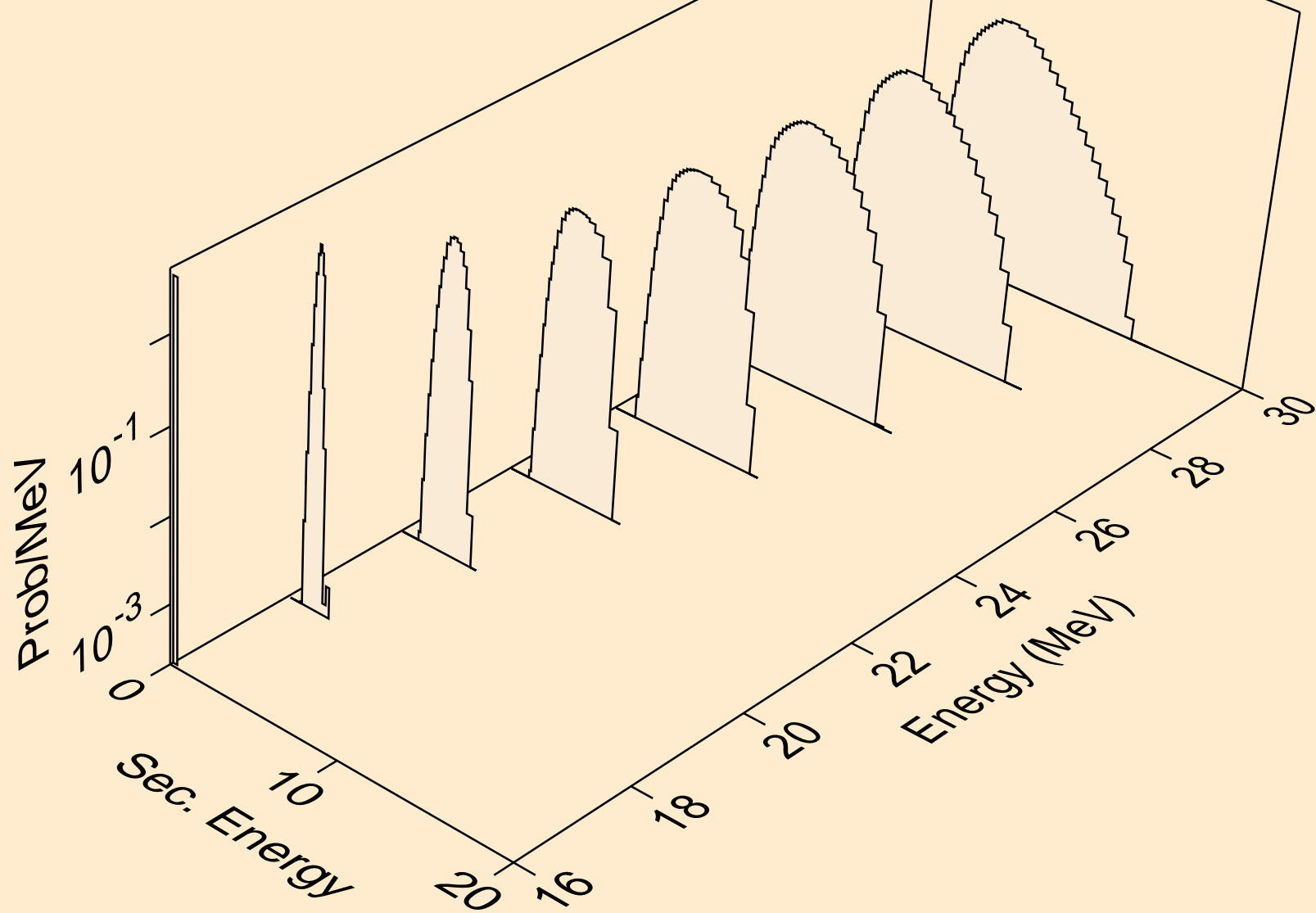
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

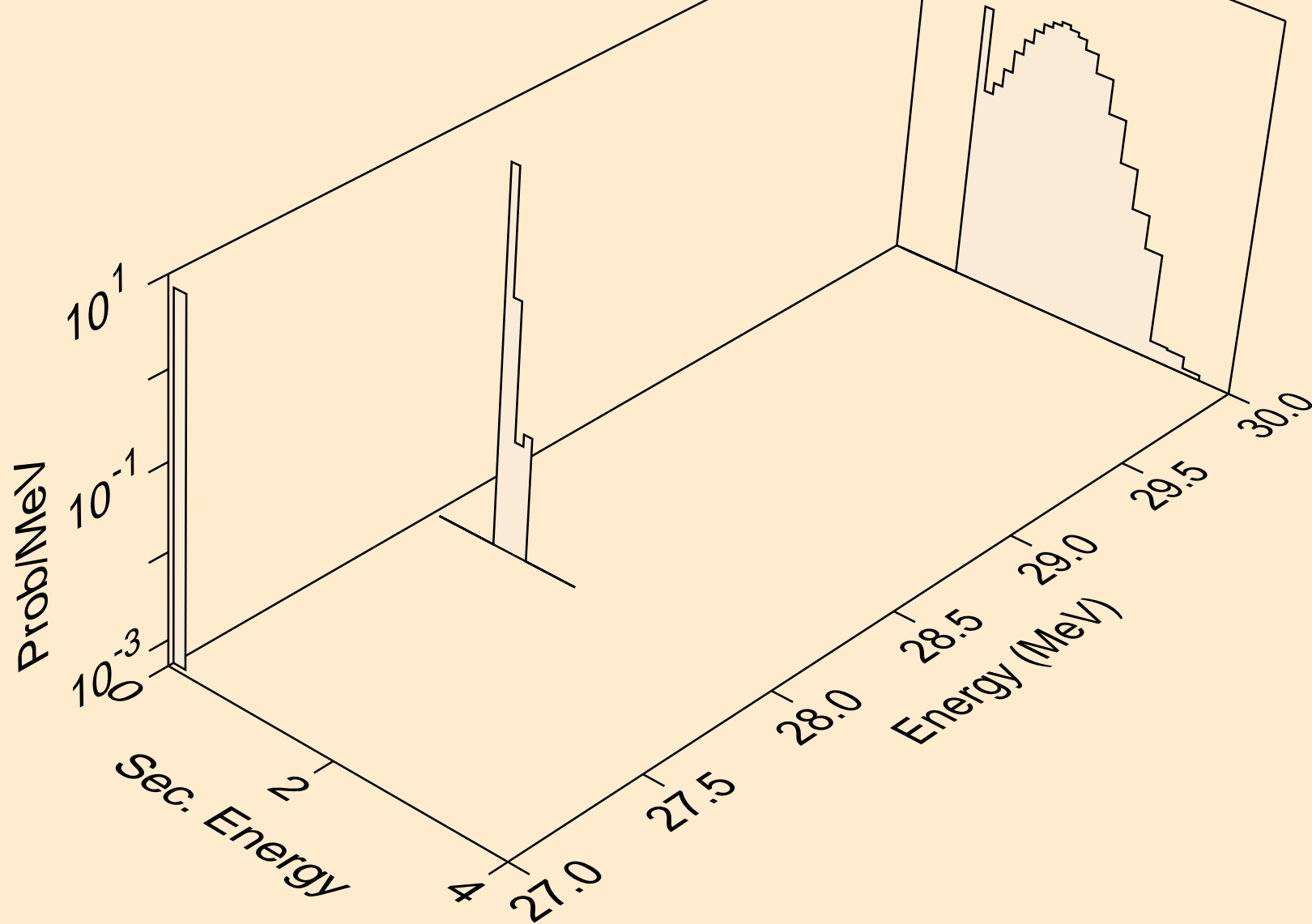


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

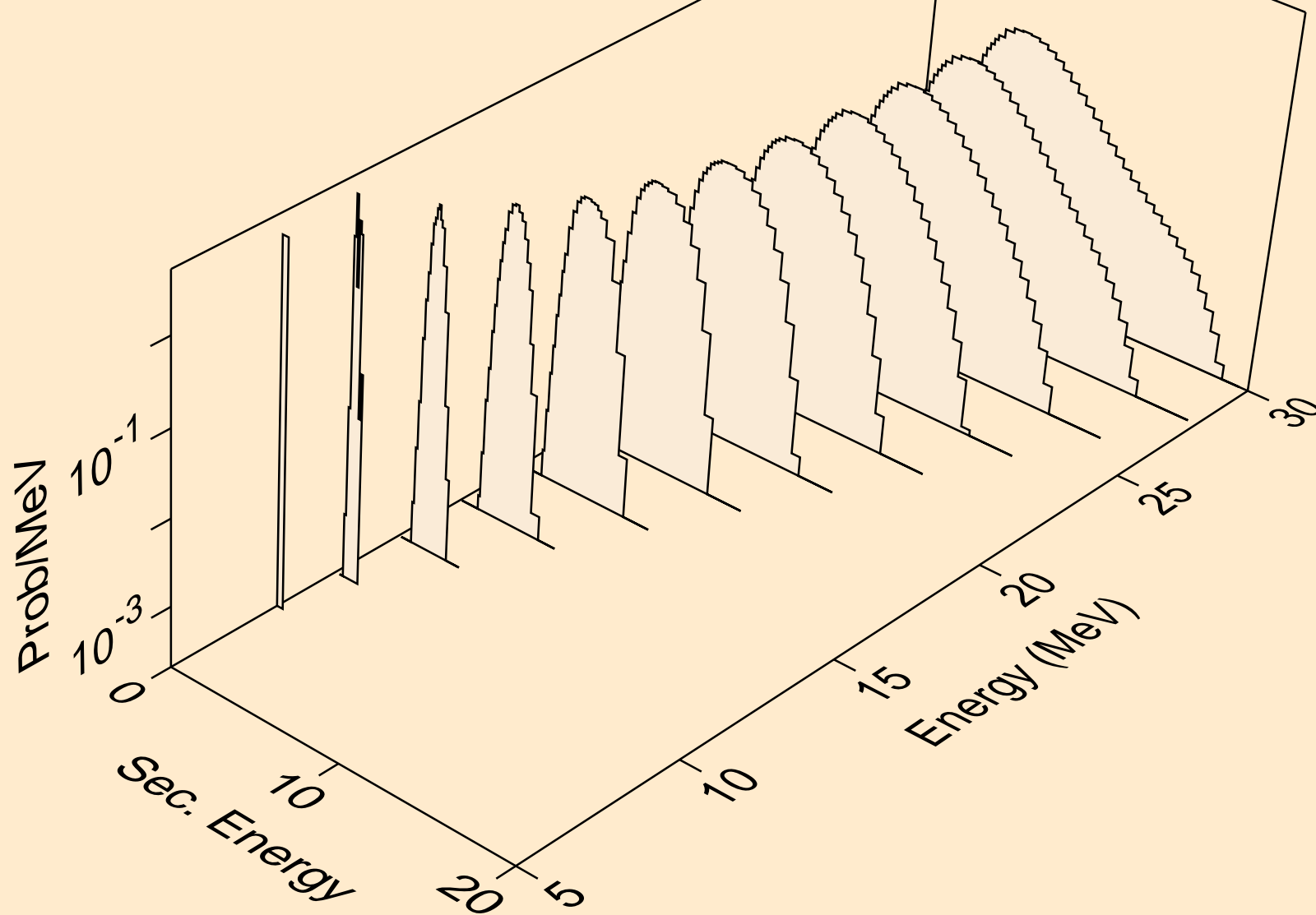




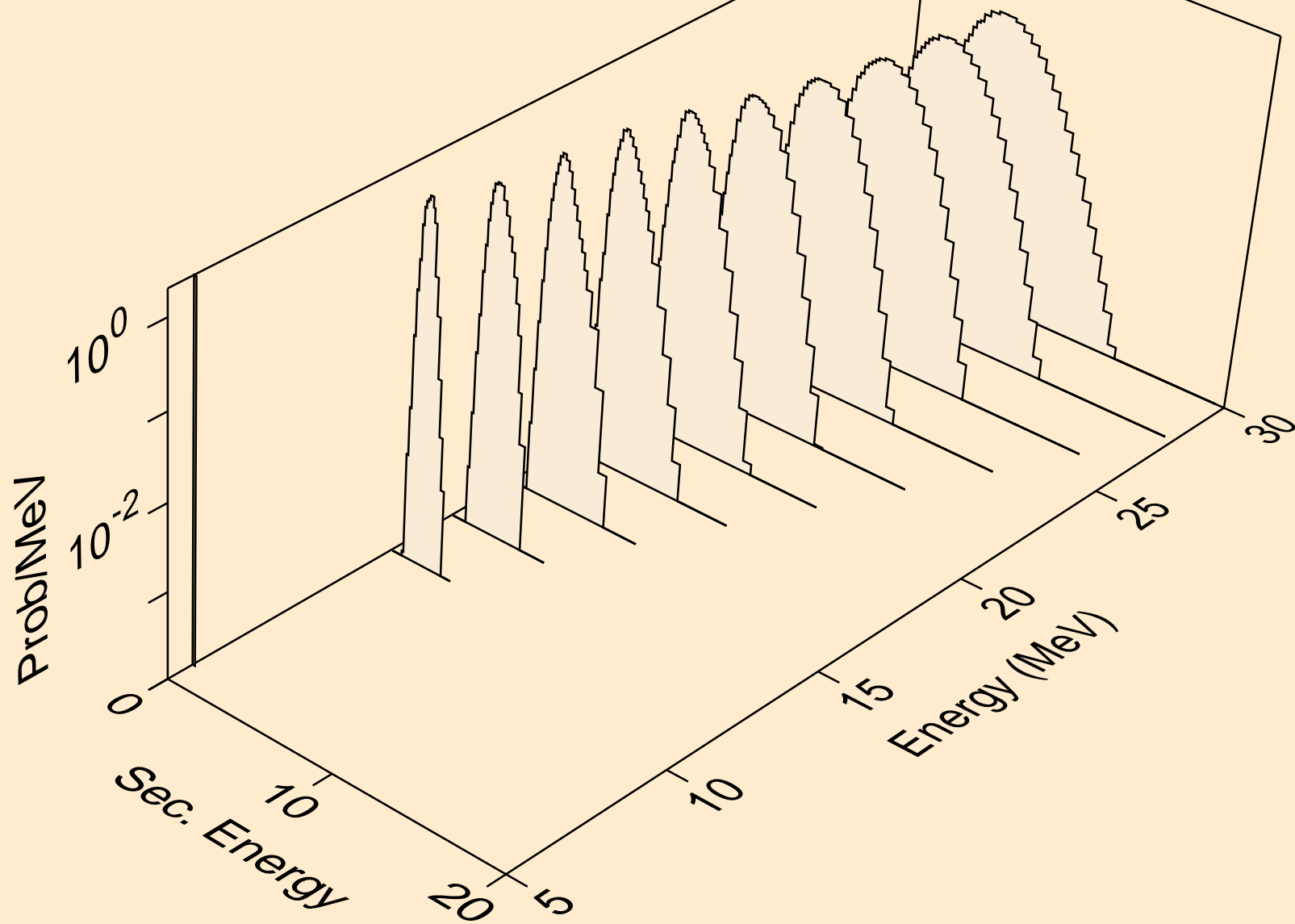
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protons from (n,3np)



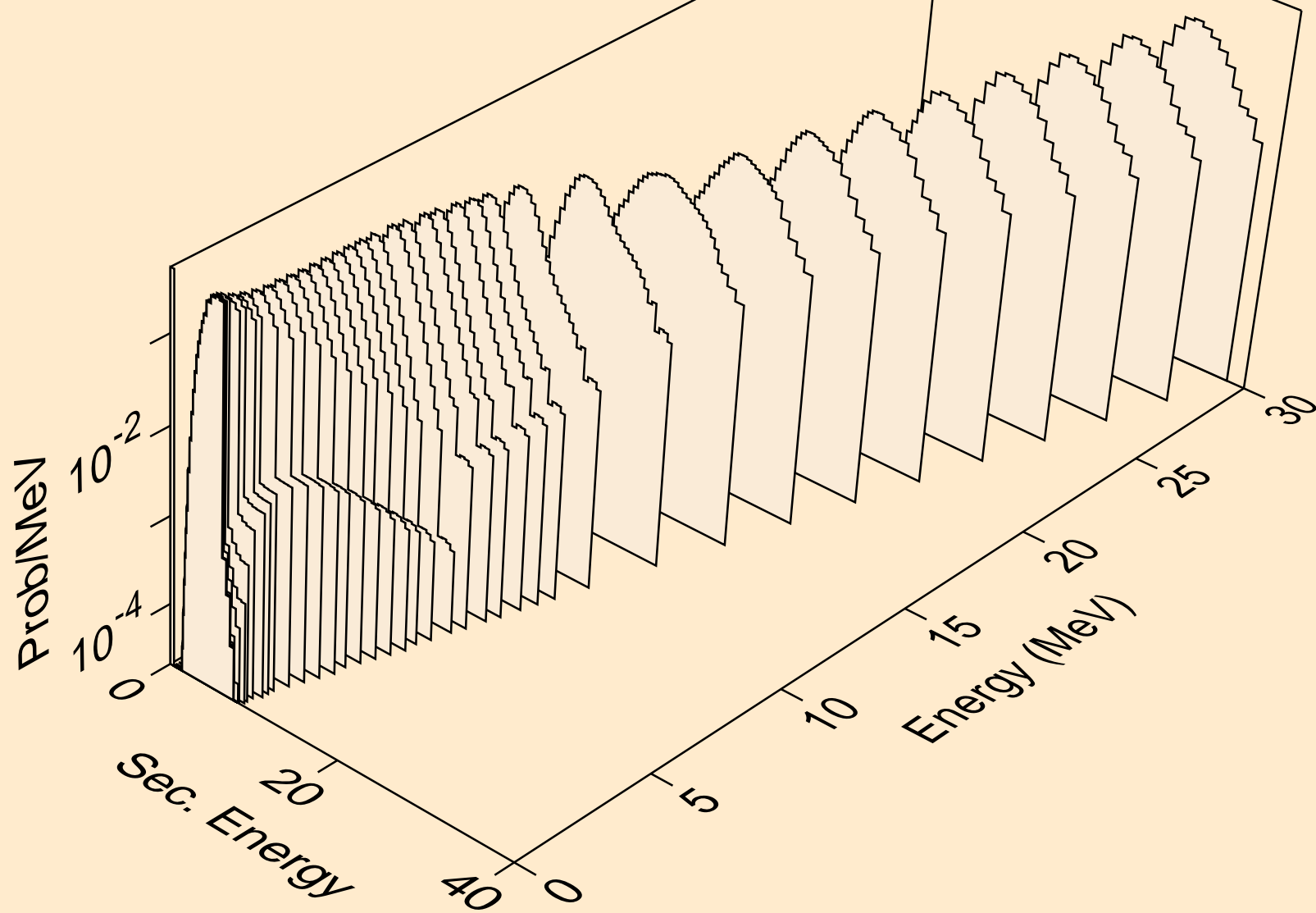
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protons from (n,2np)



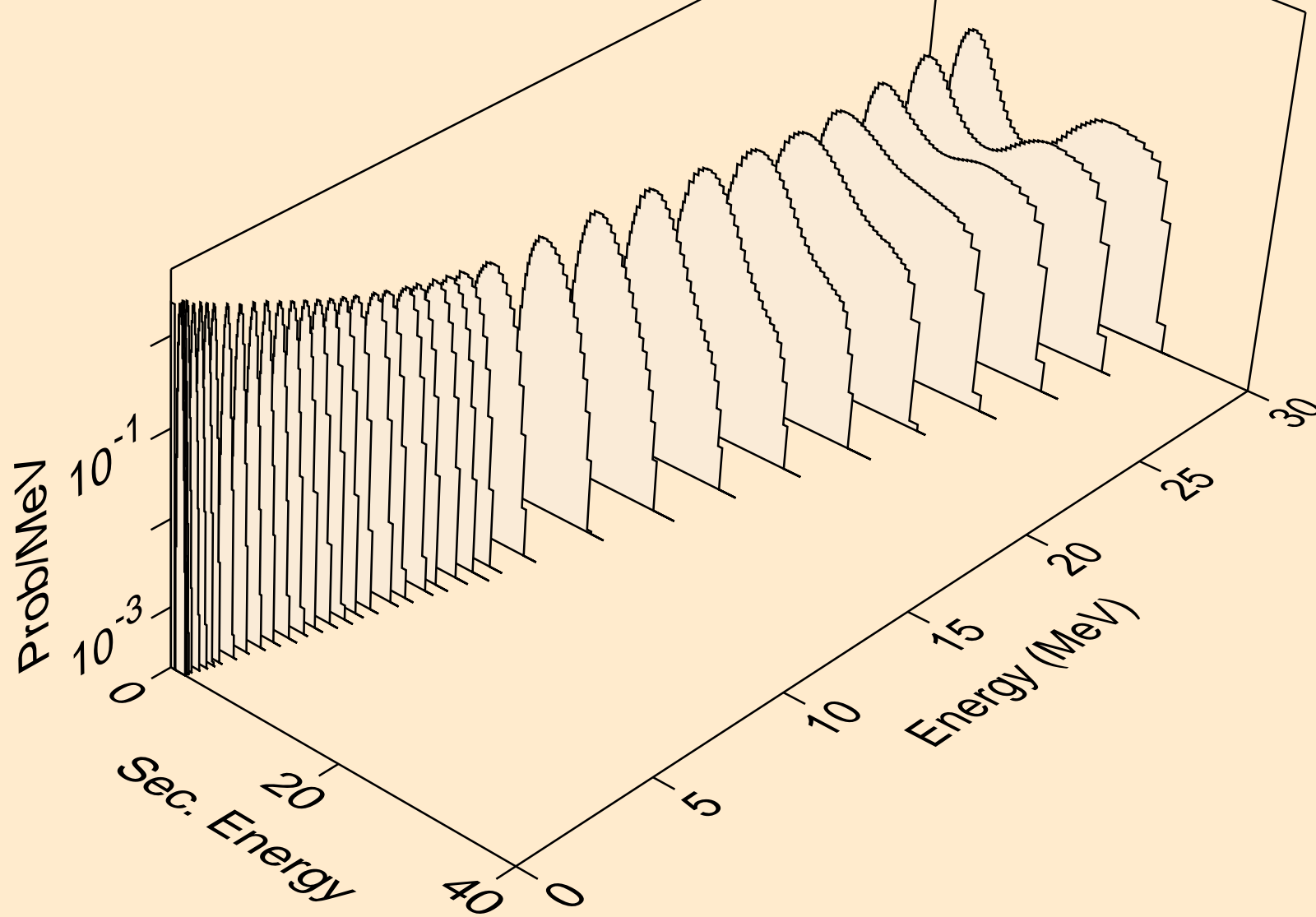
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protons from (n,npa)



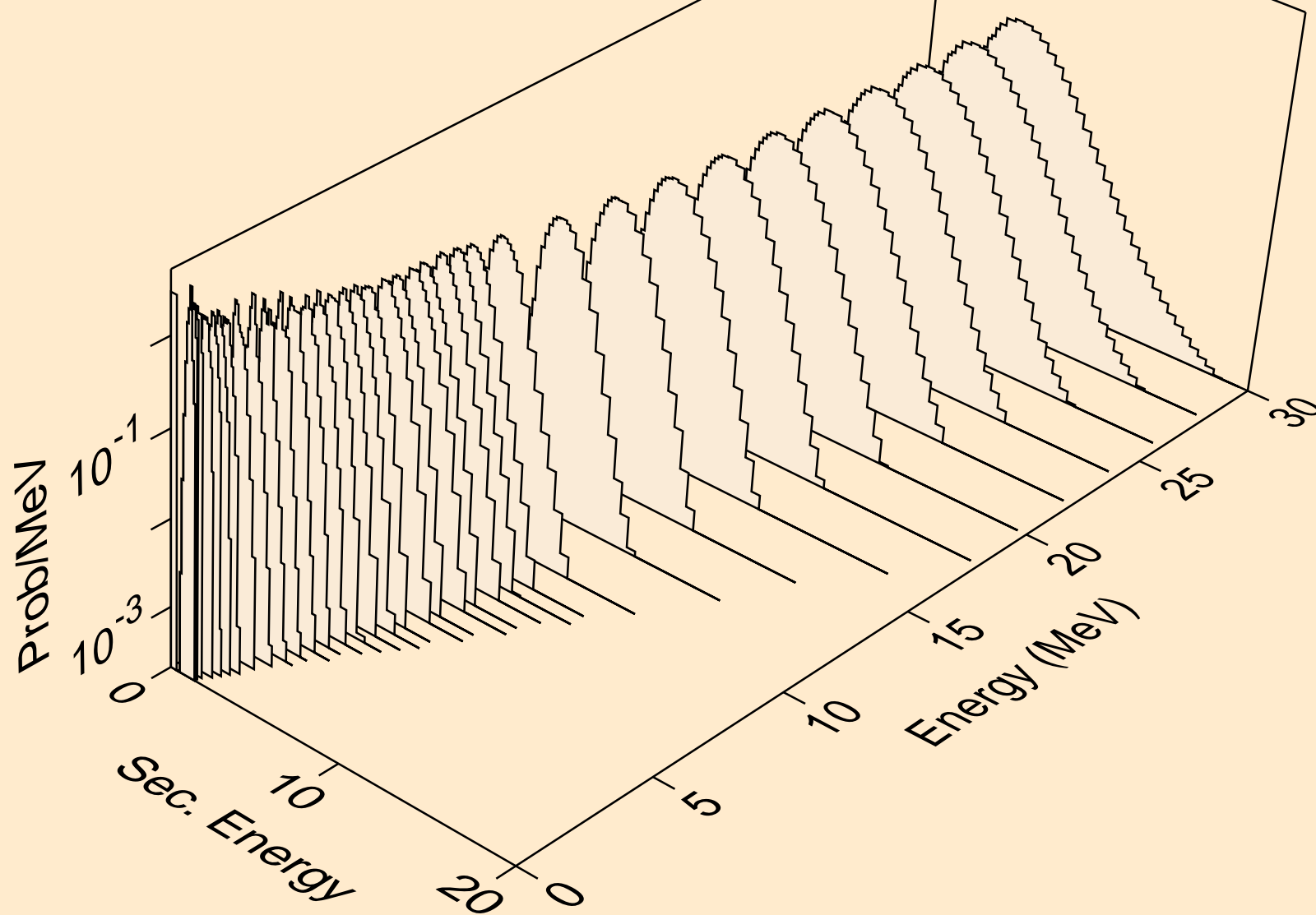
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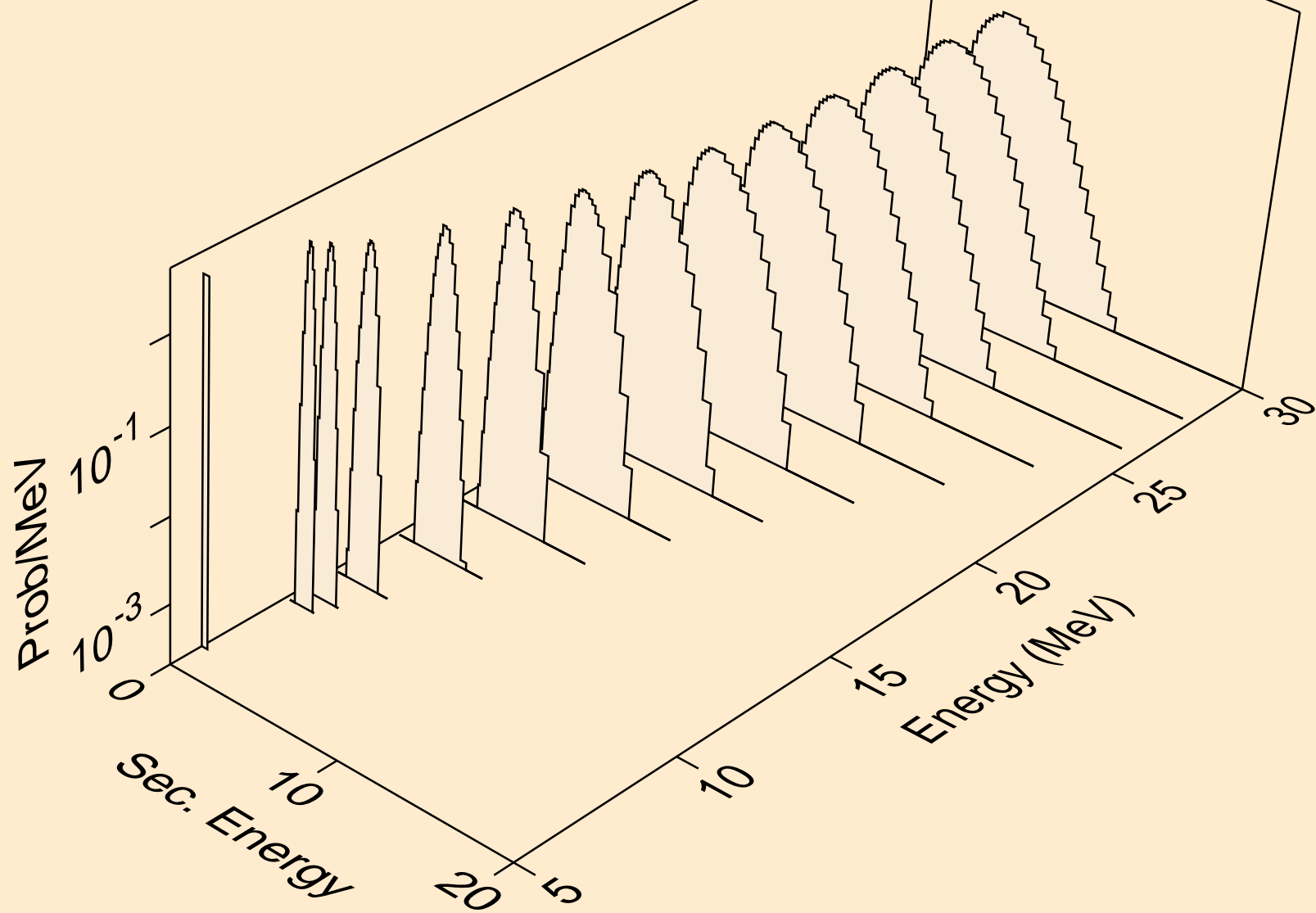
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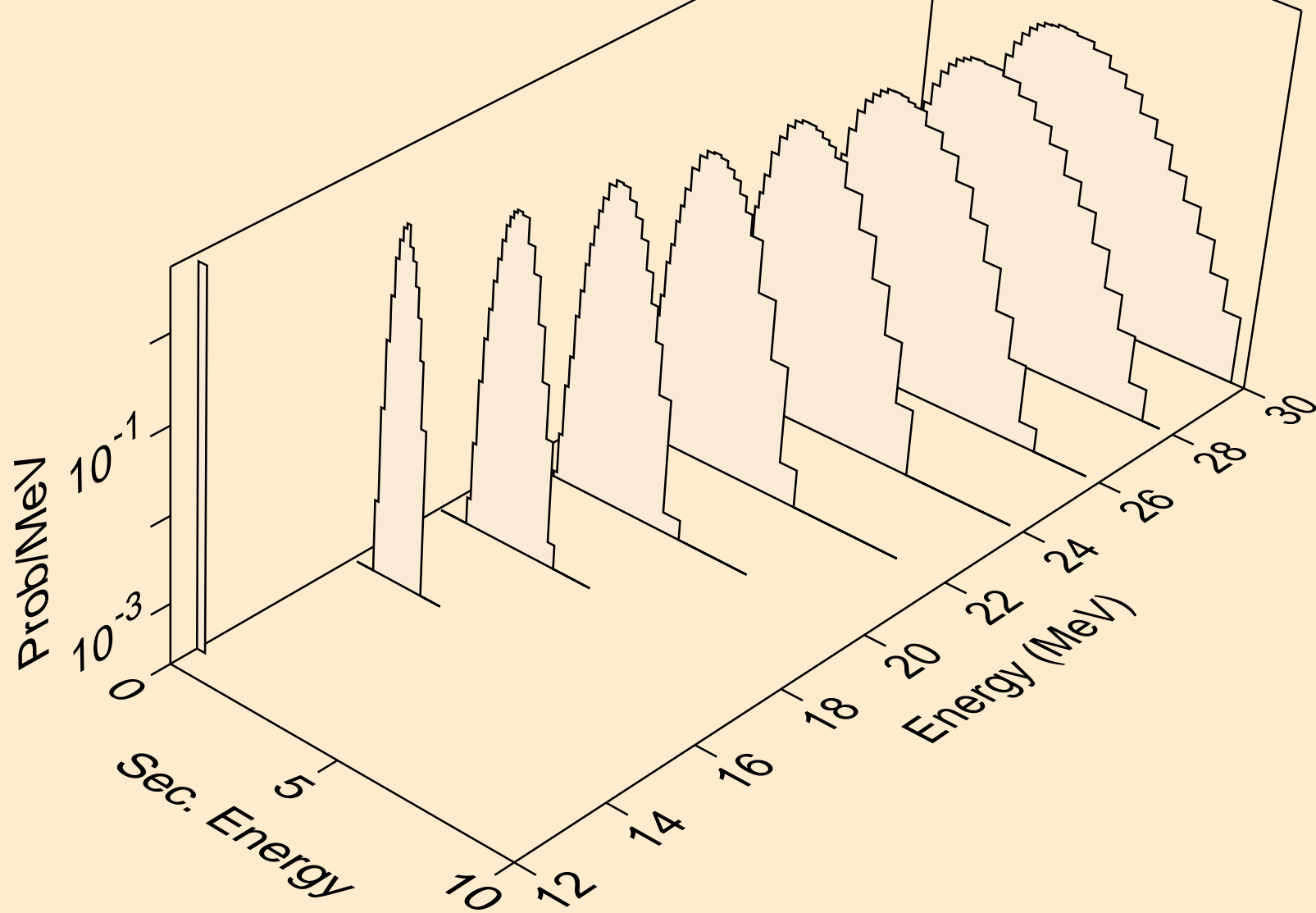
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protons from (n,p)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

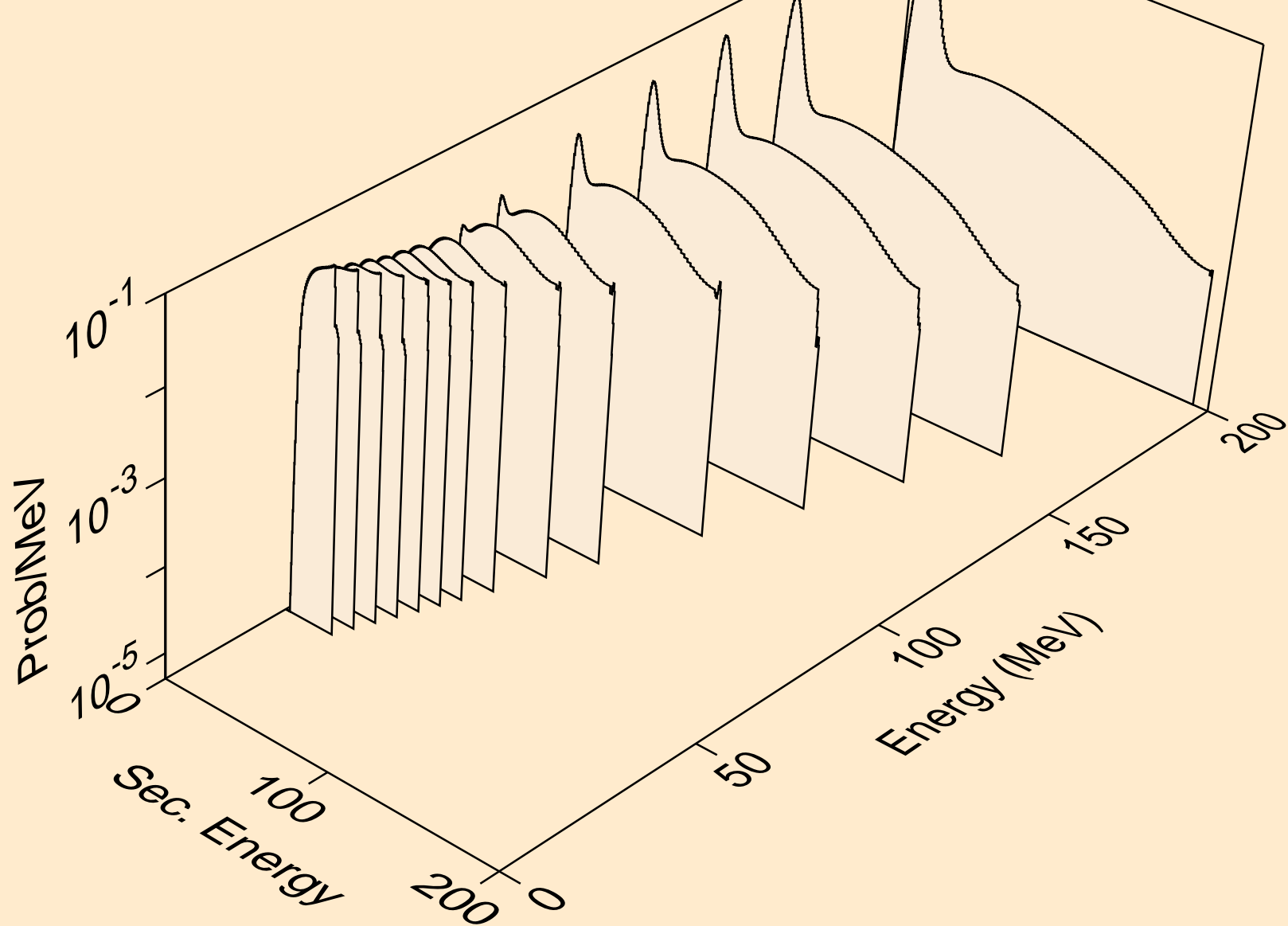


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protons from (n,pt)

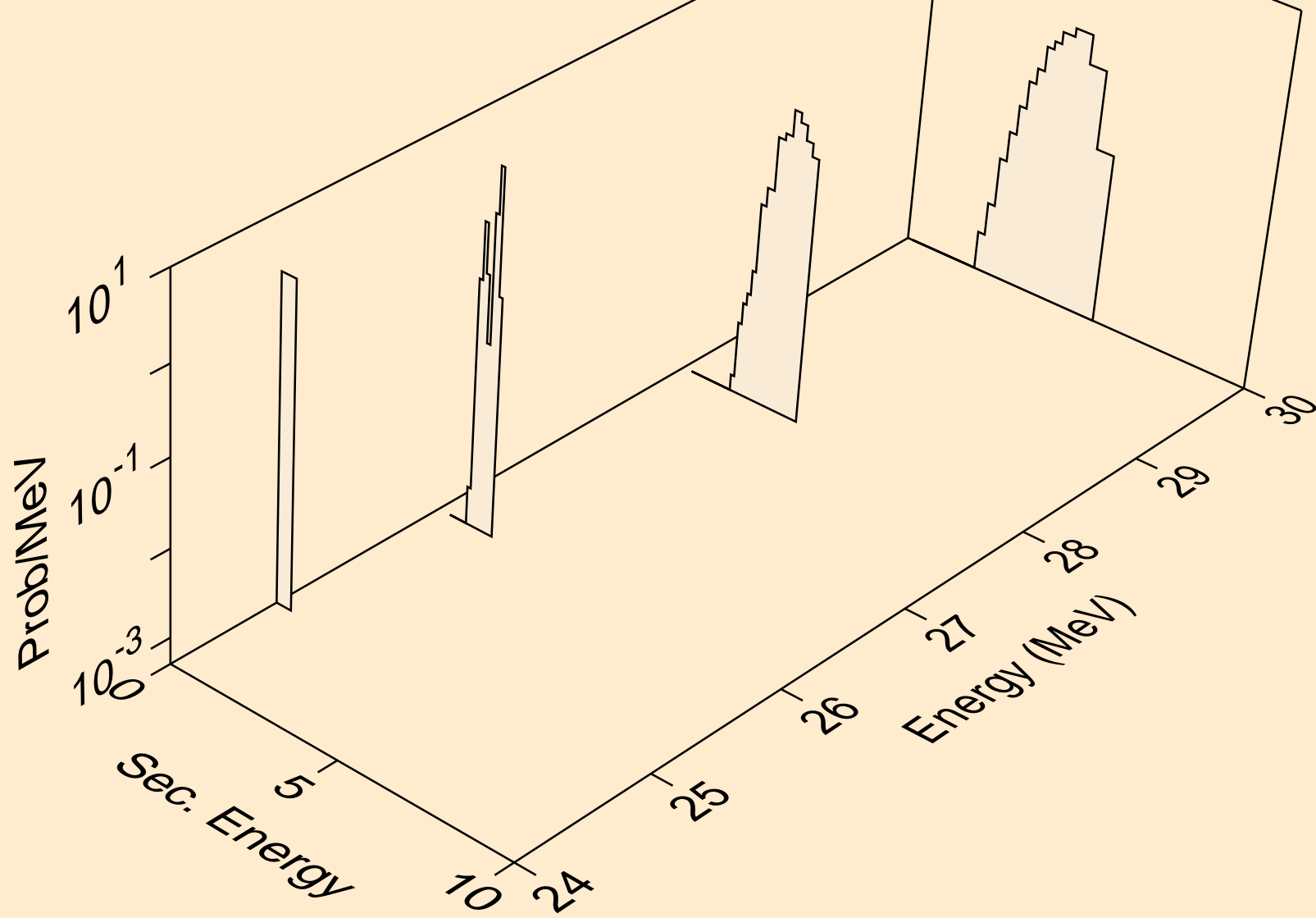




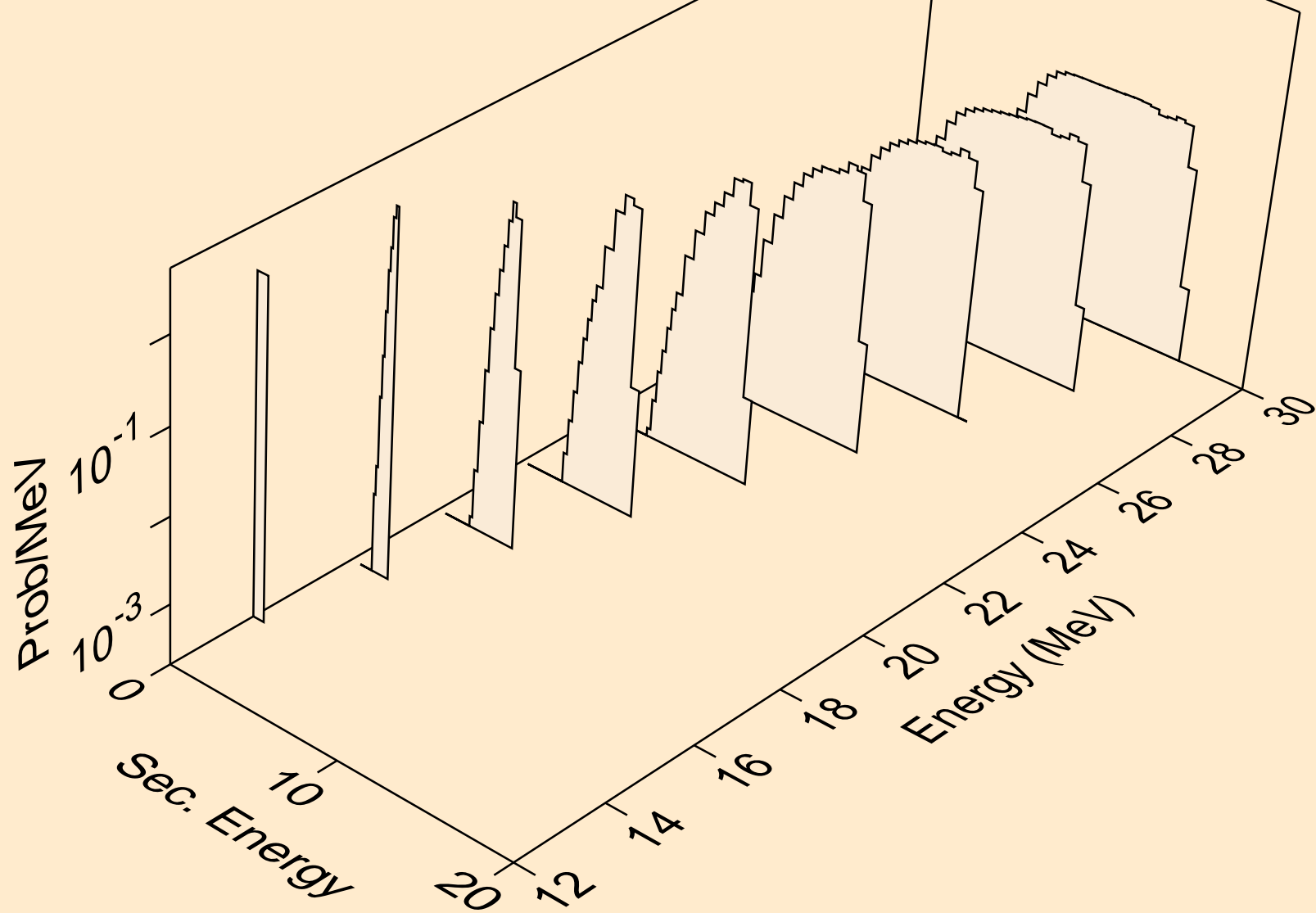
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



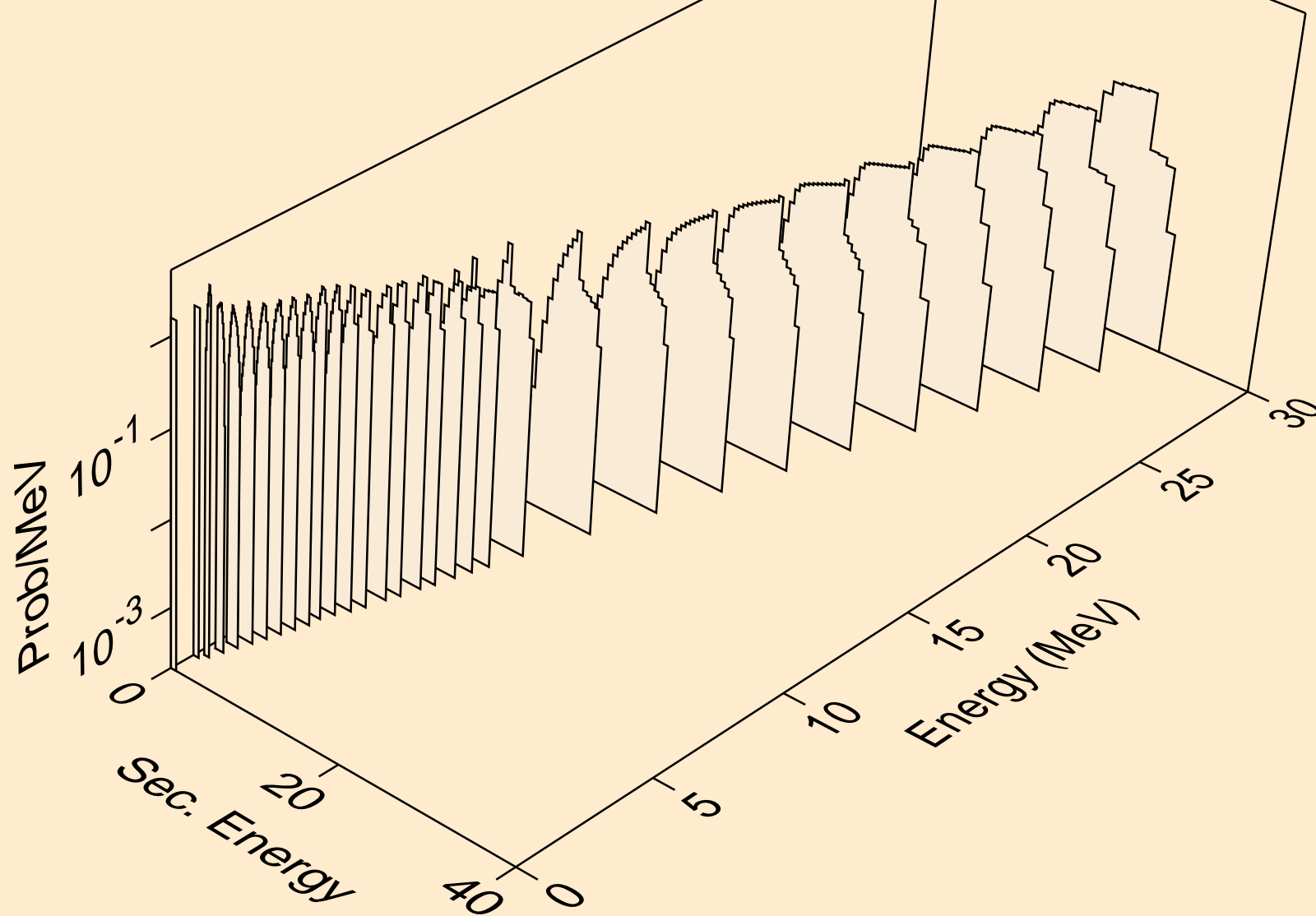
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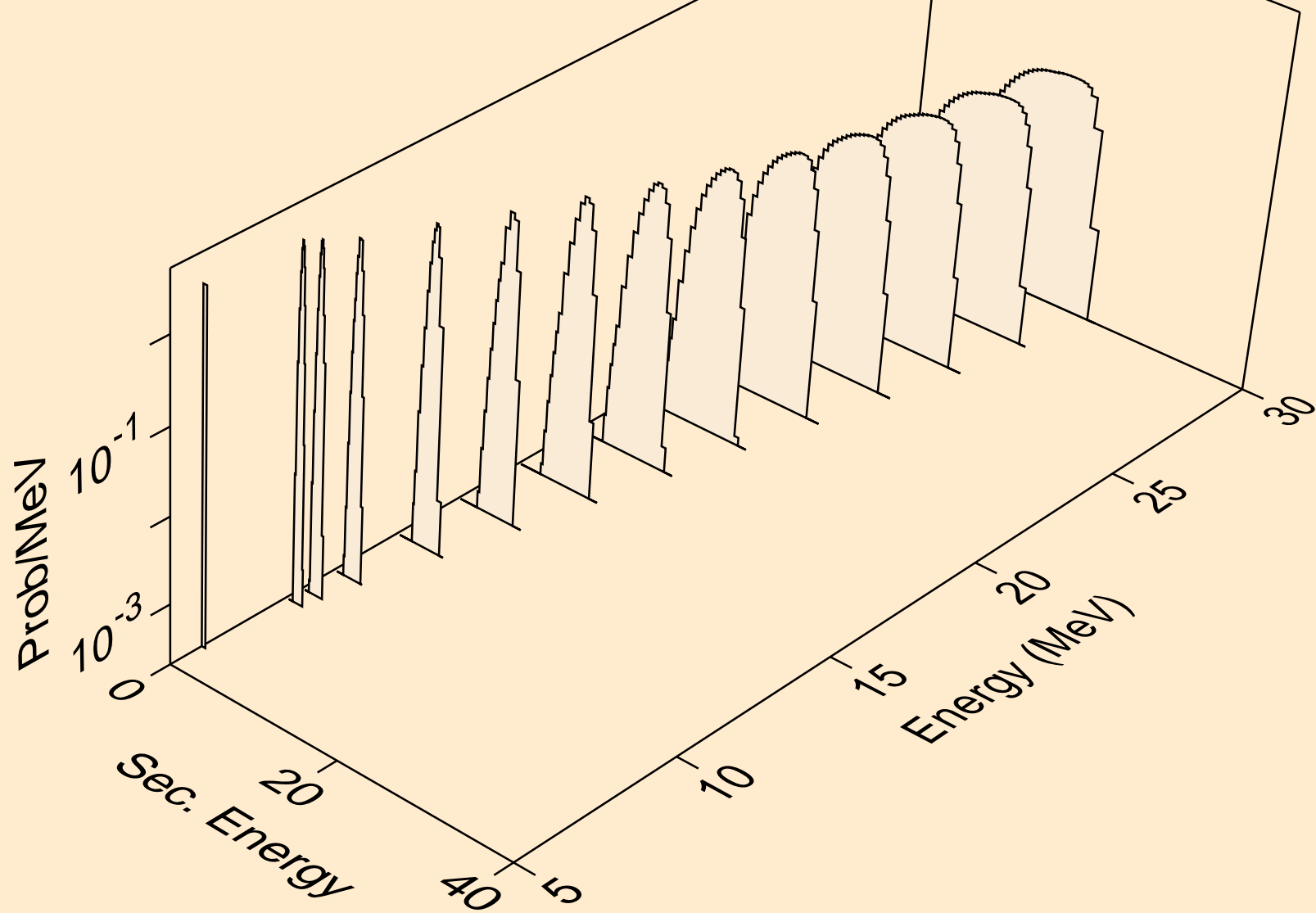
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deuterons from (n,n\*)d



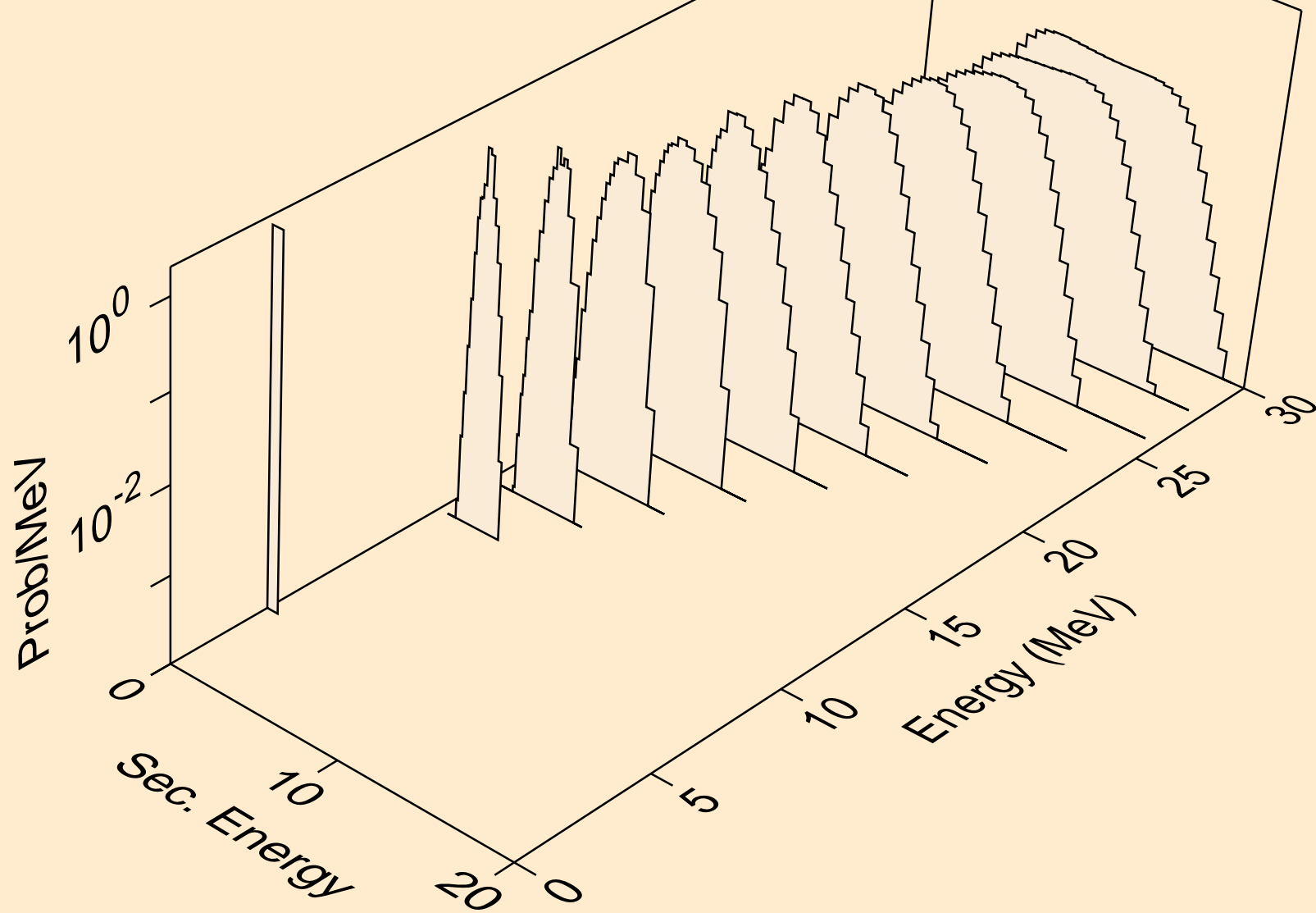
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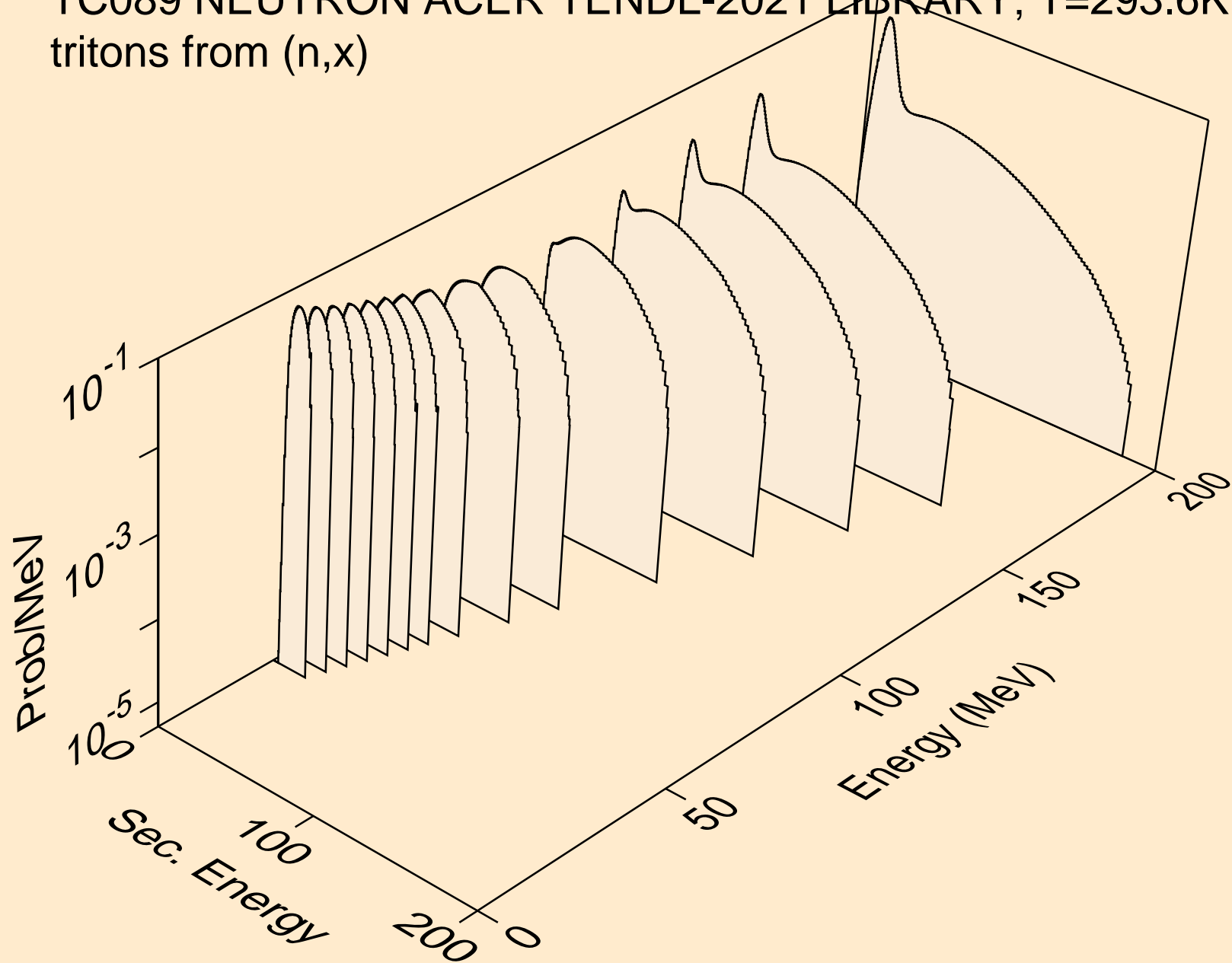
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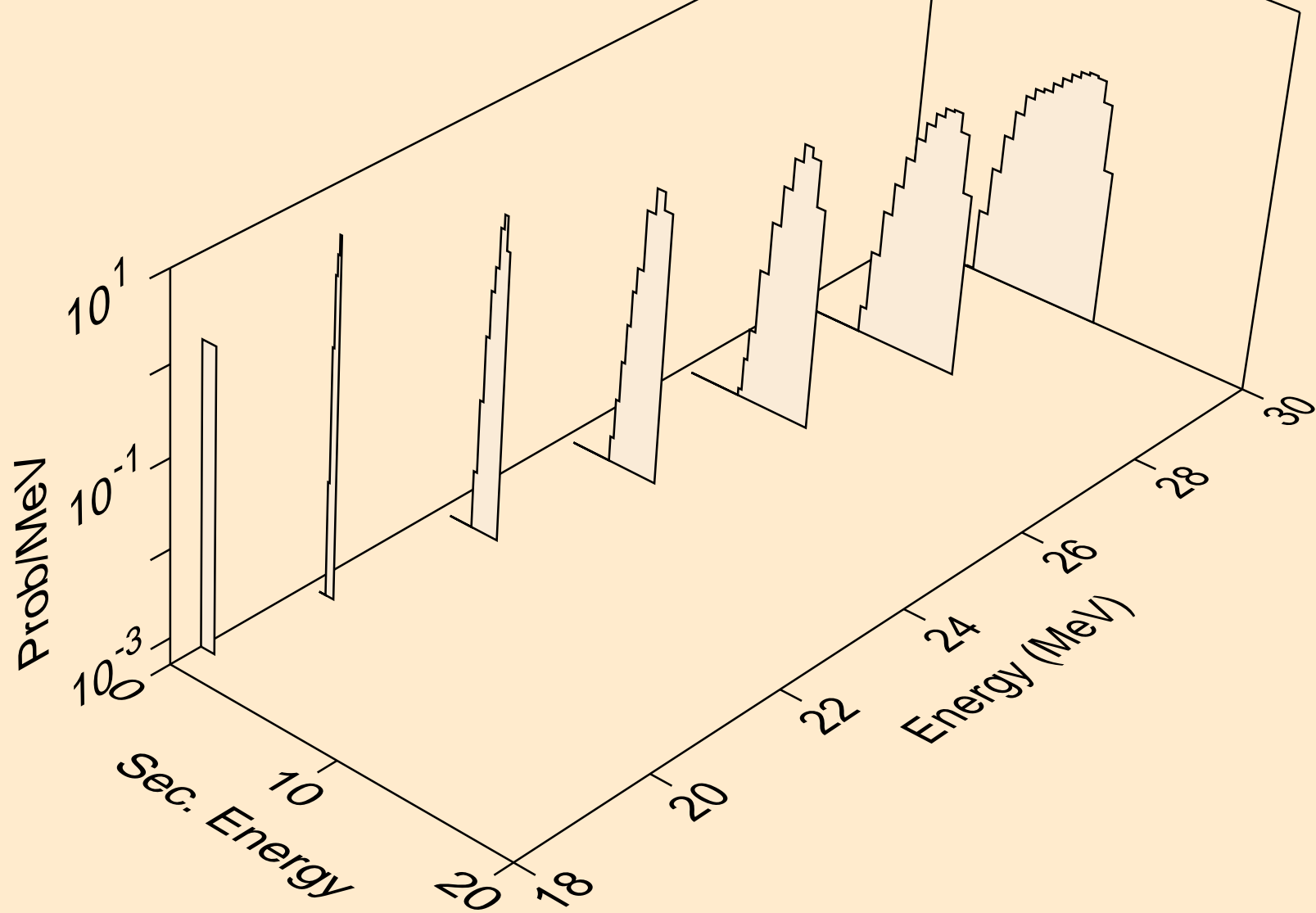
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

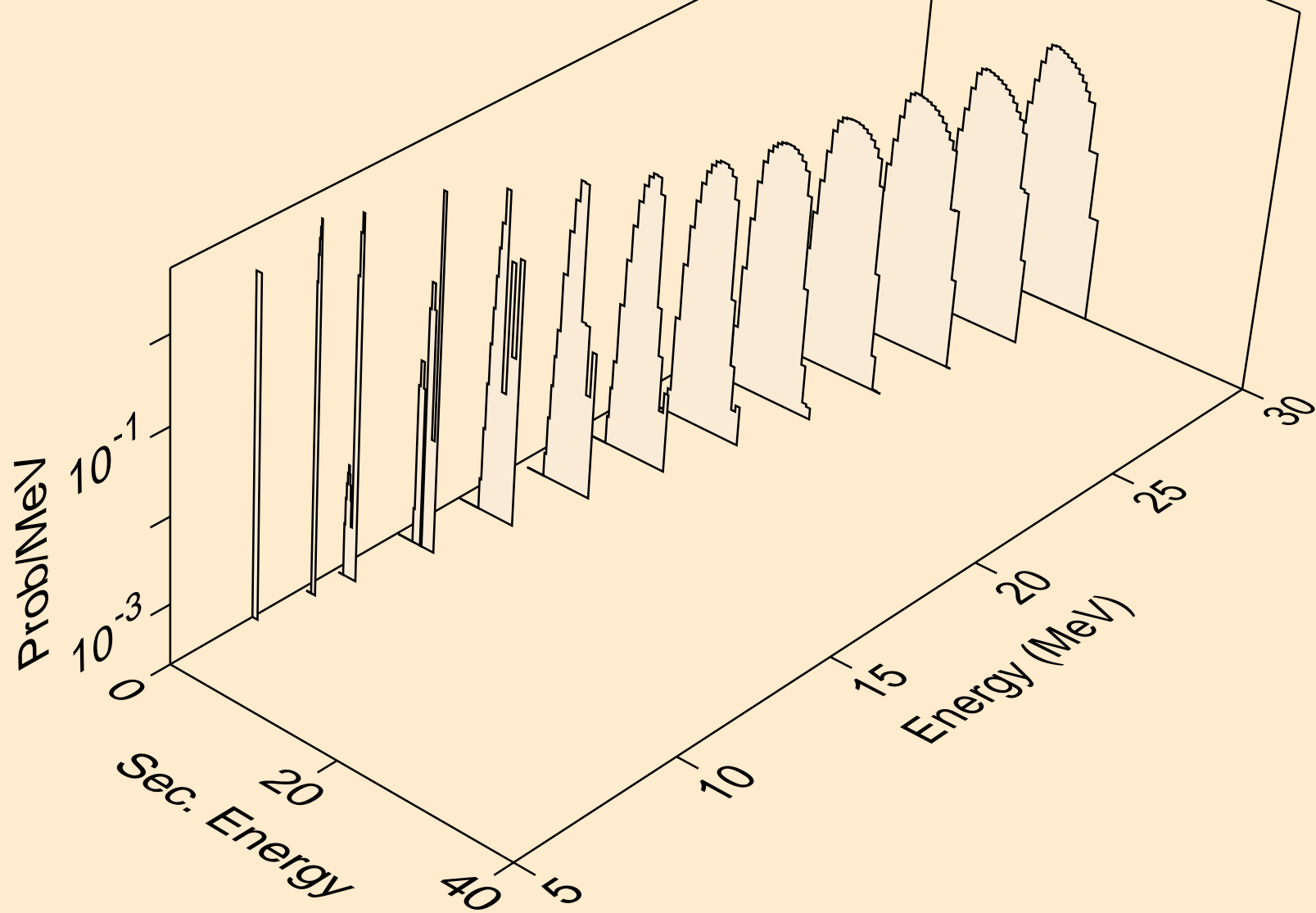


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

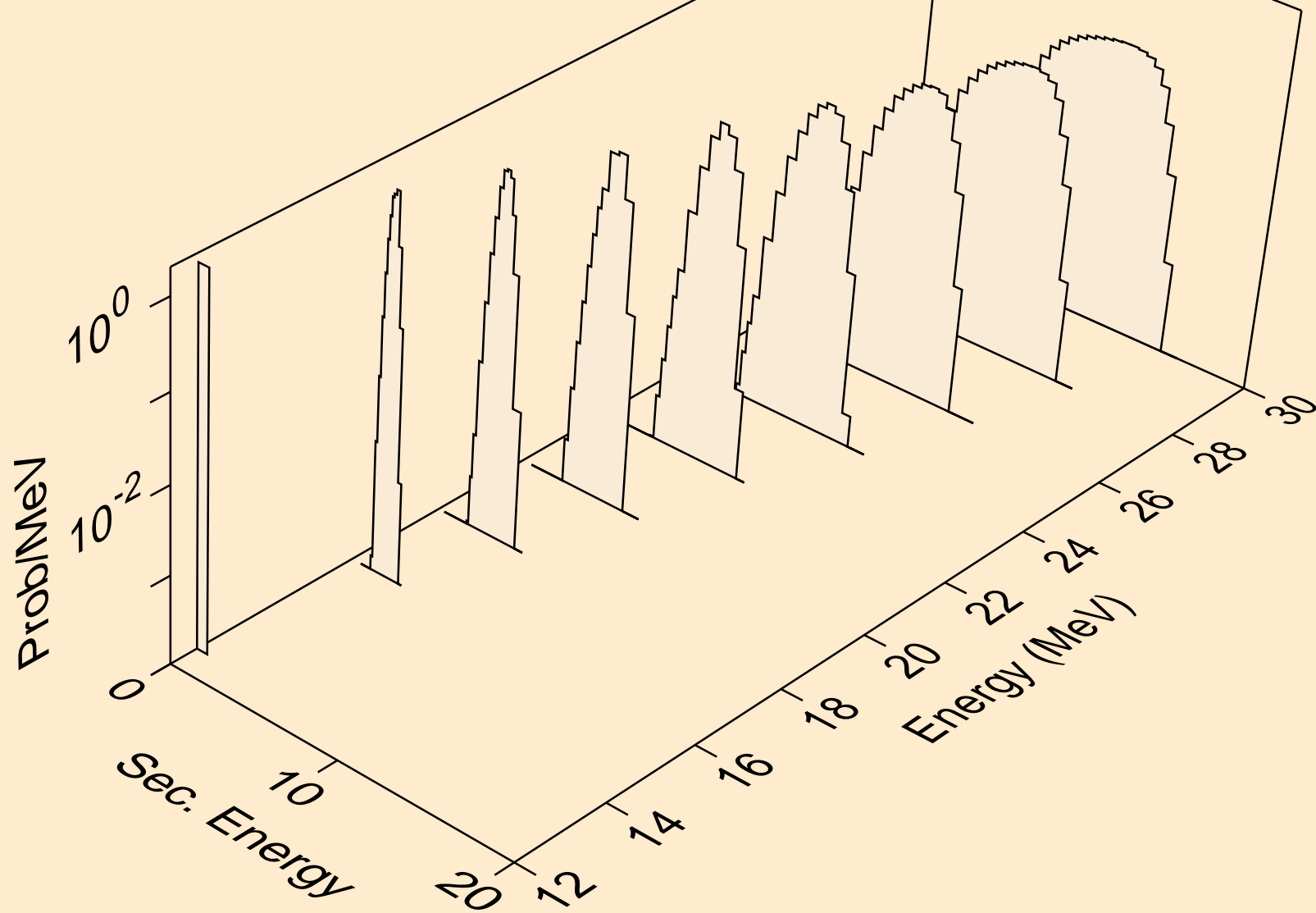




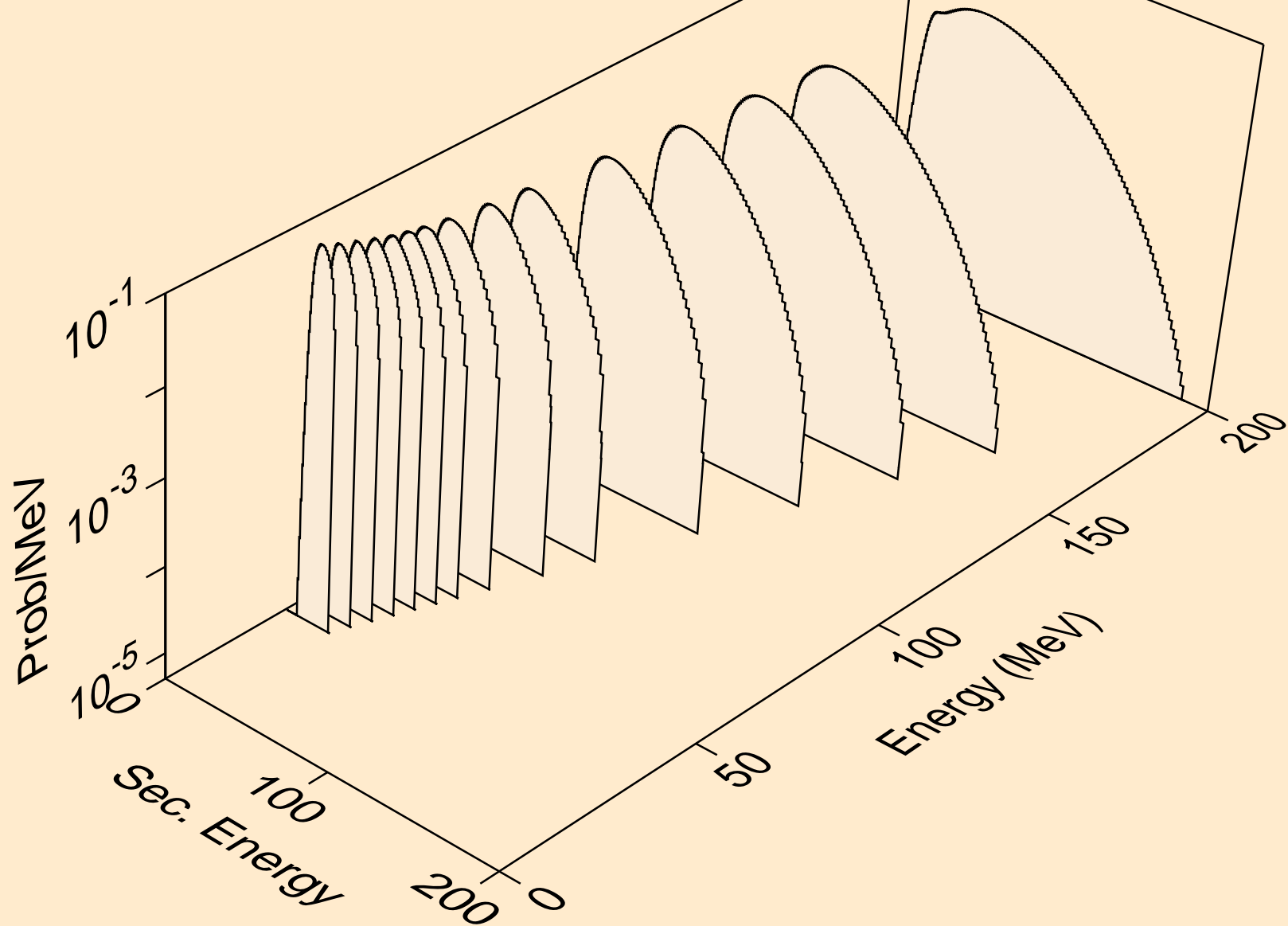
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tritons from (n,t)



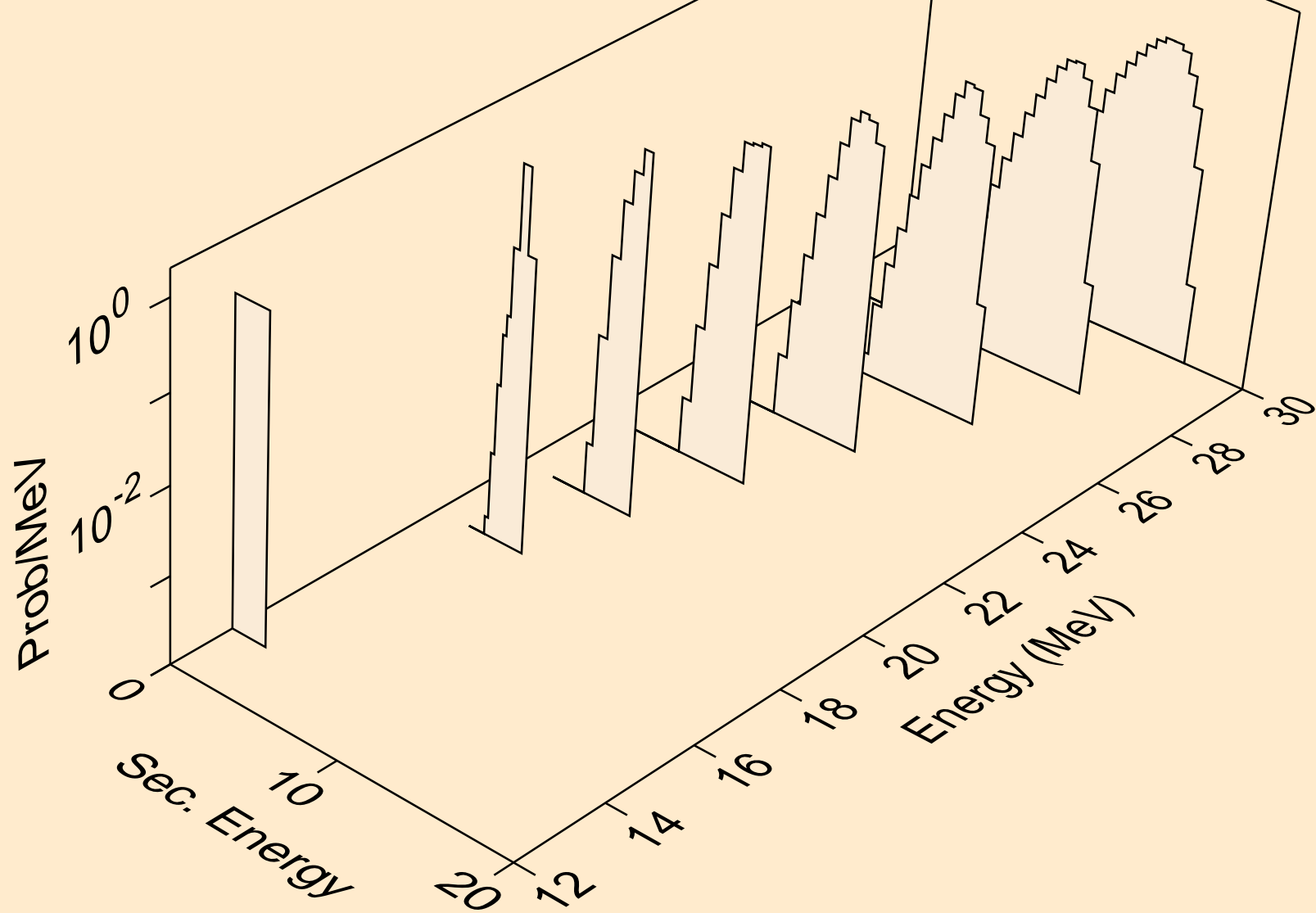
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tritons from (n,pt)



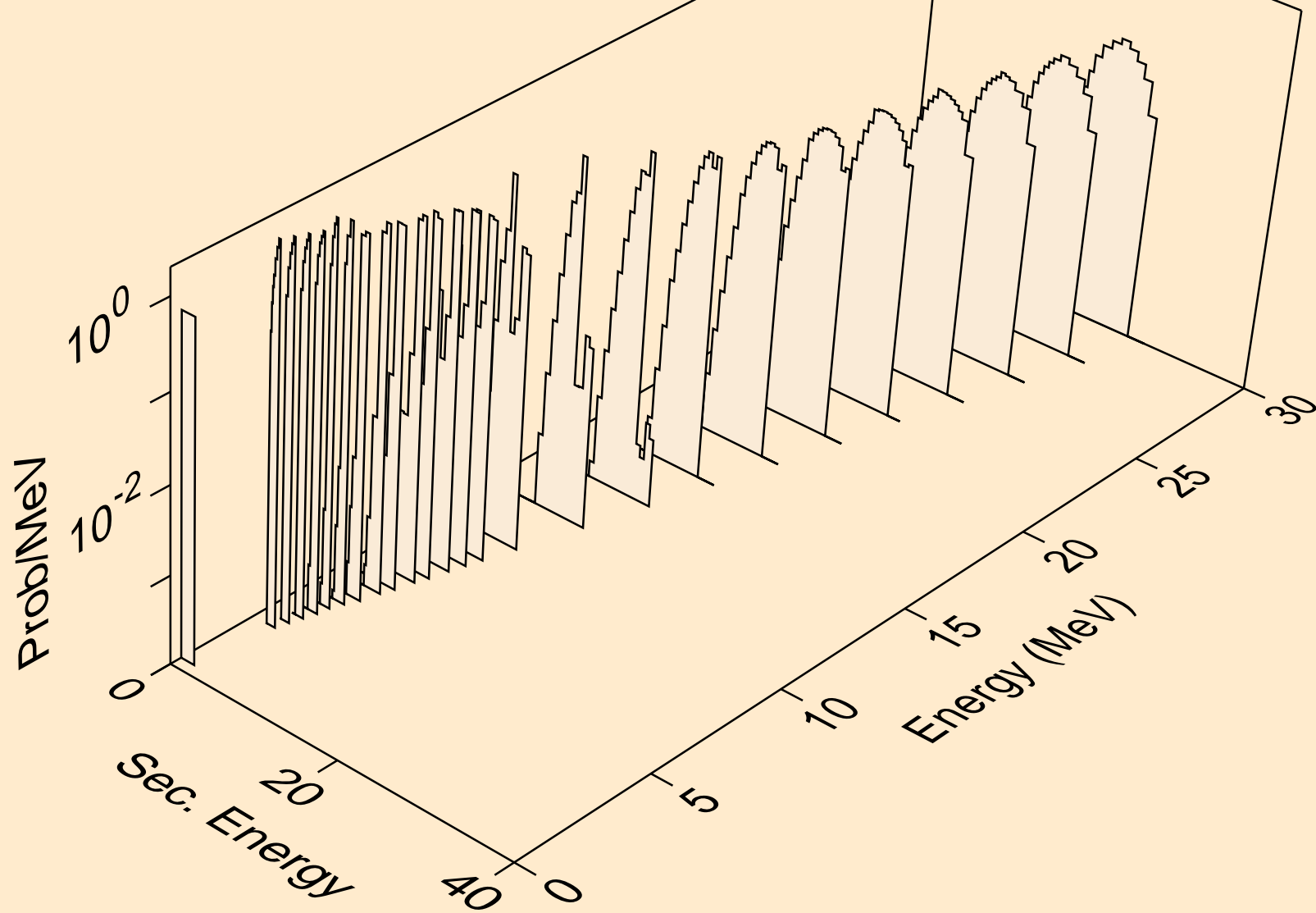
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he3s from (n,x)



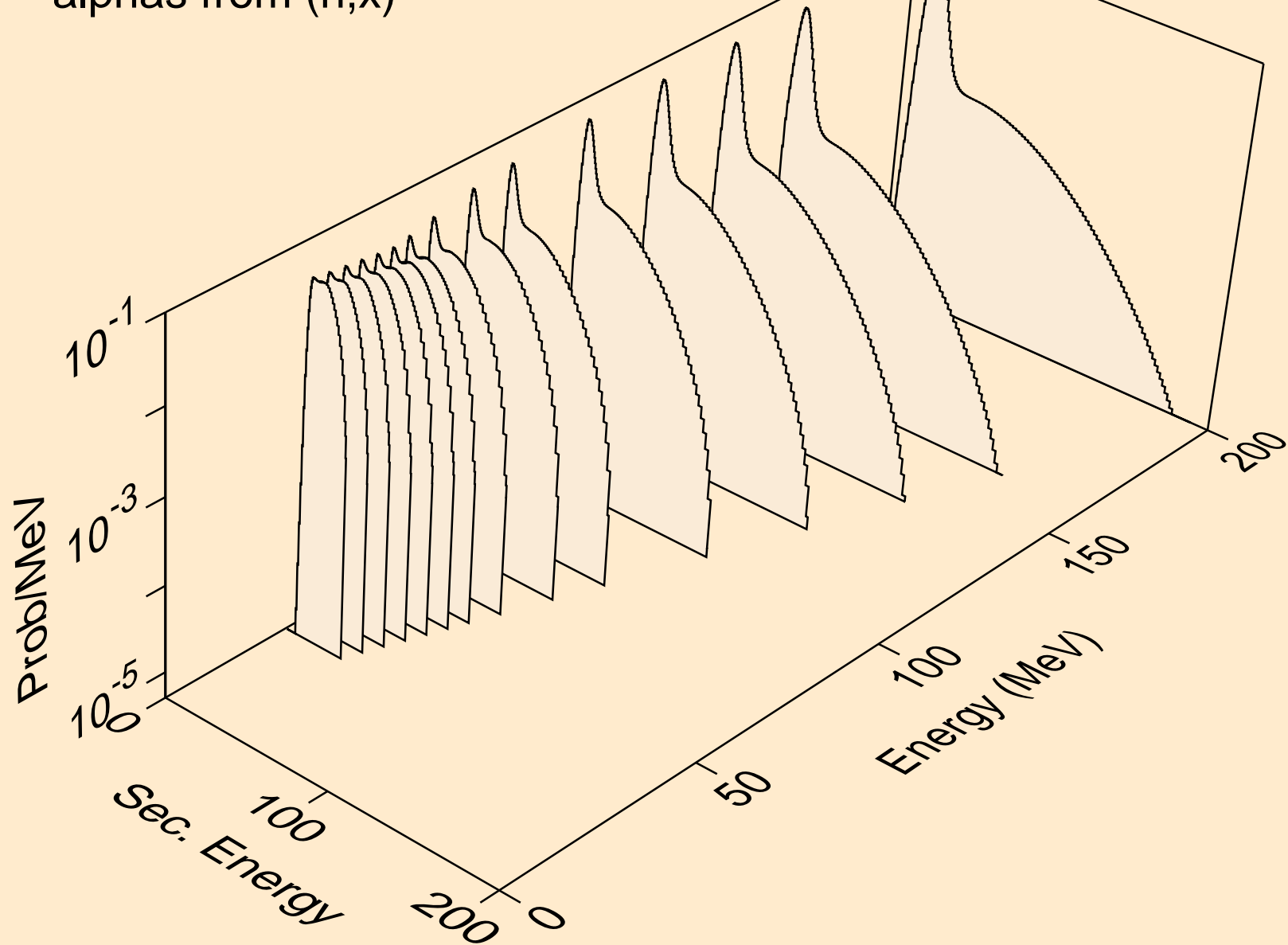
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he3s from (n,n\*)he3



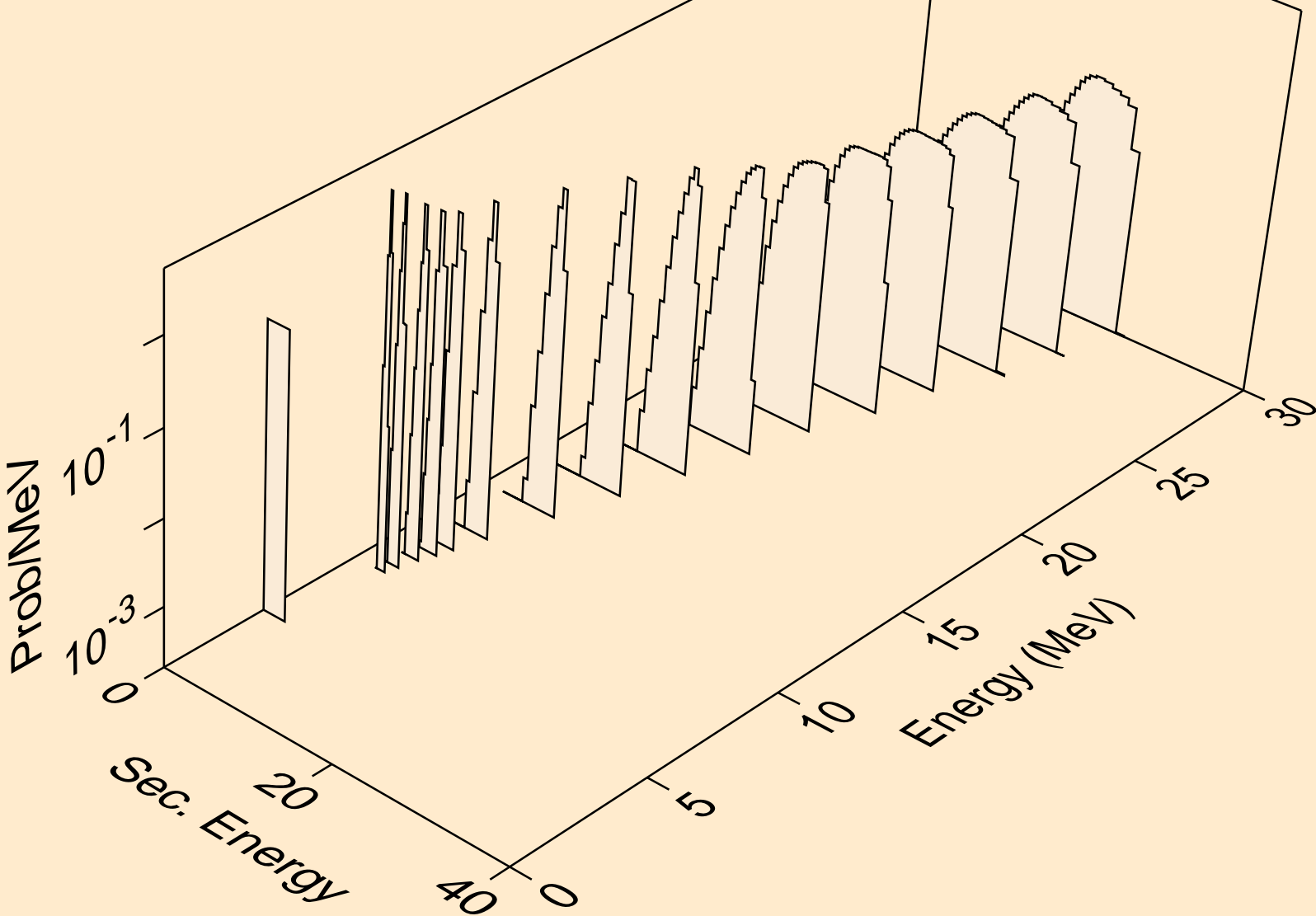
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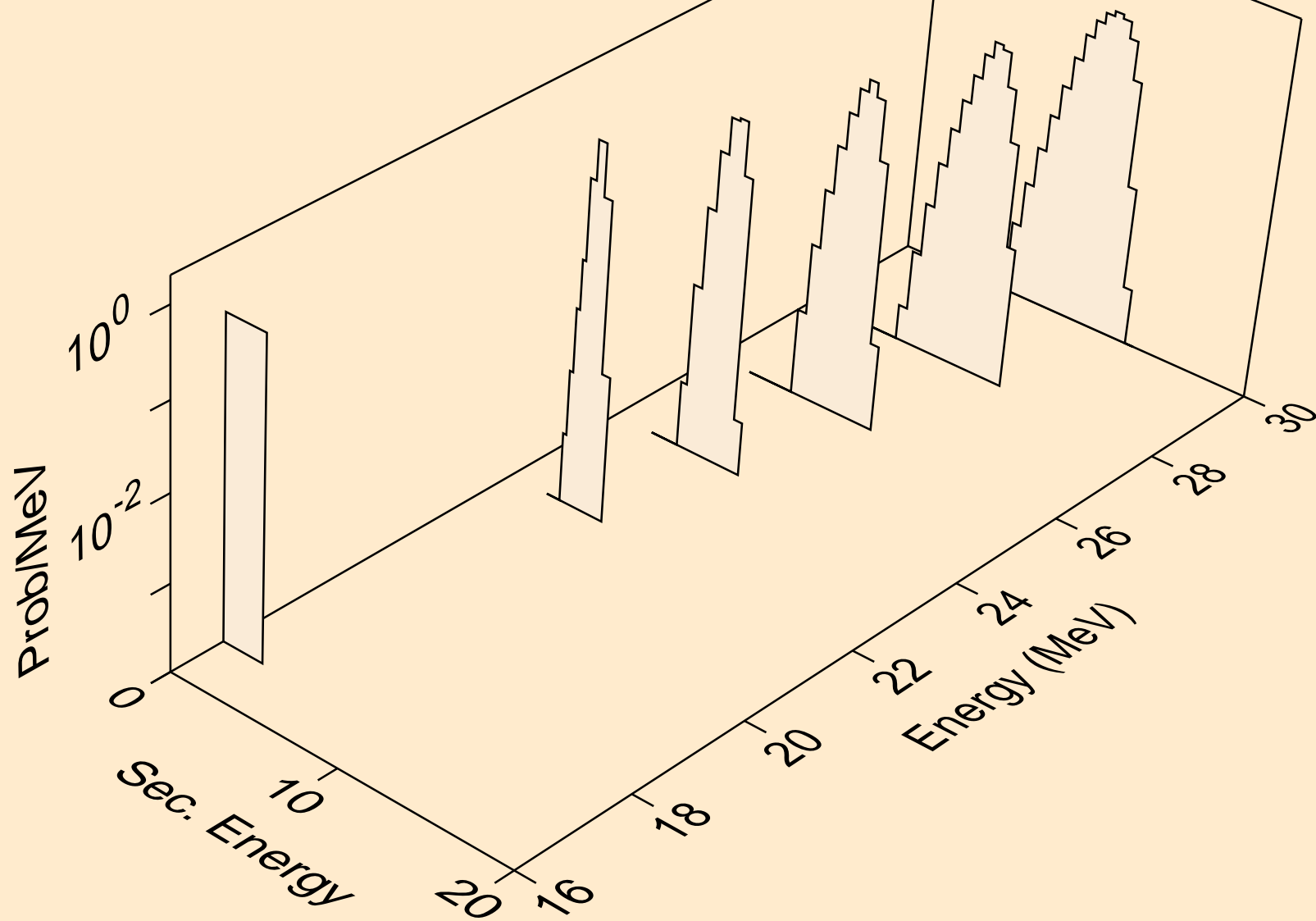
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

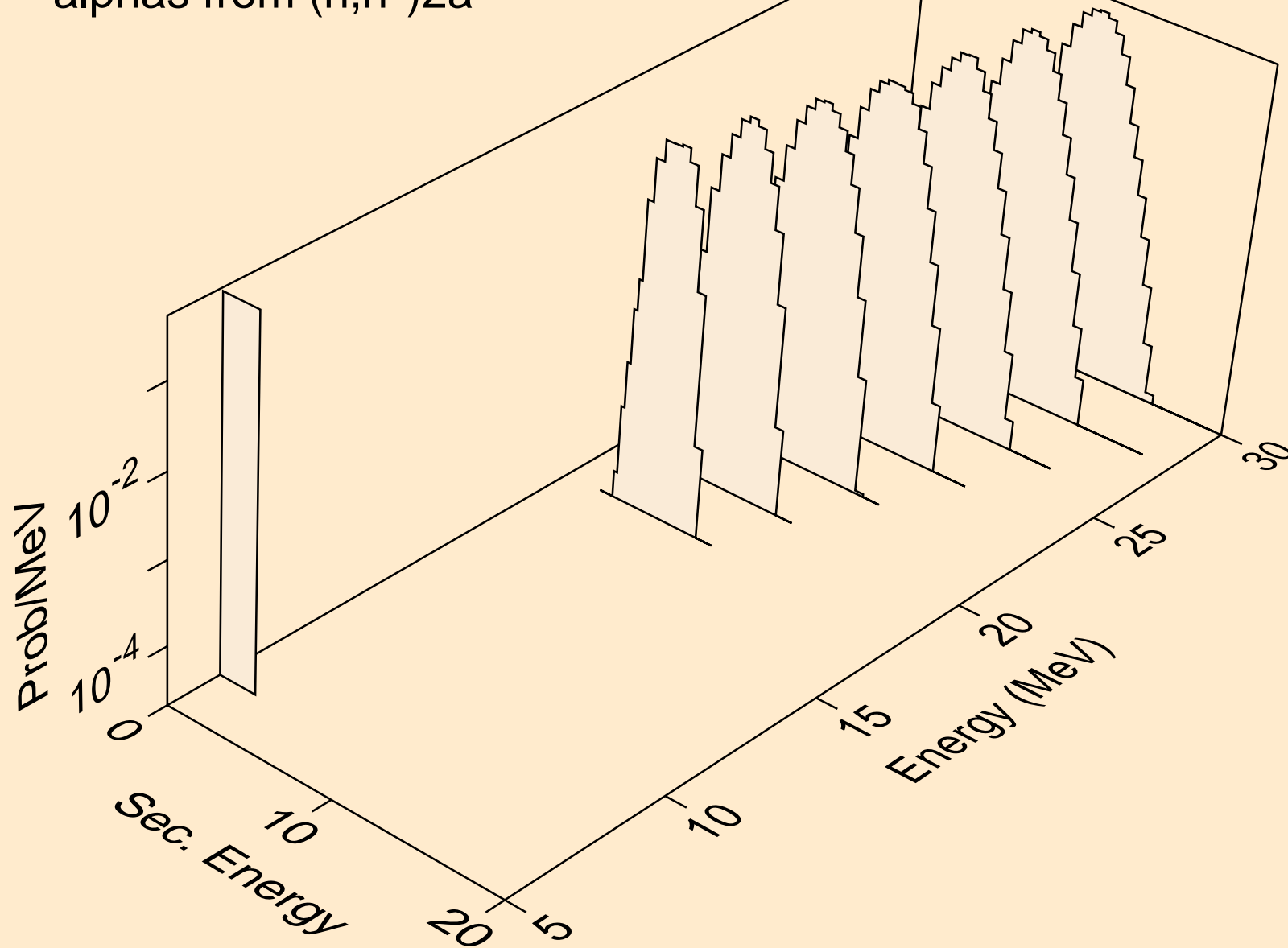


TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

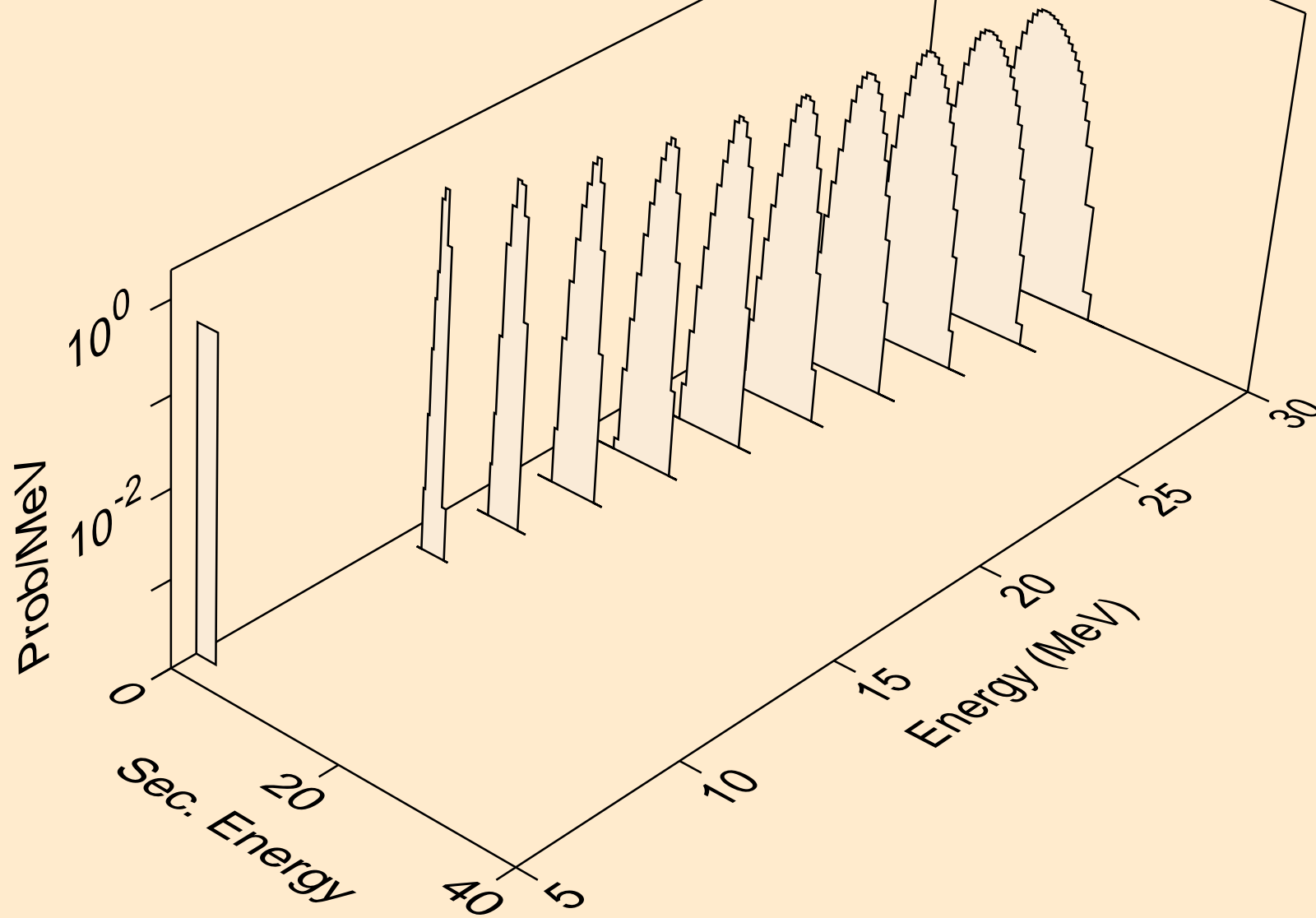




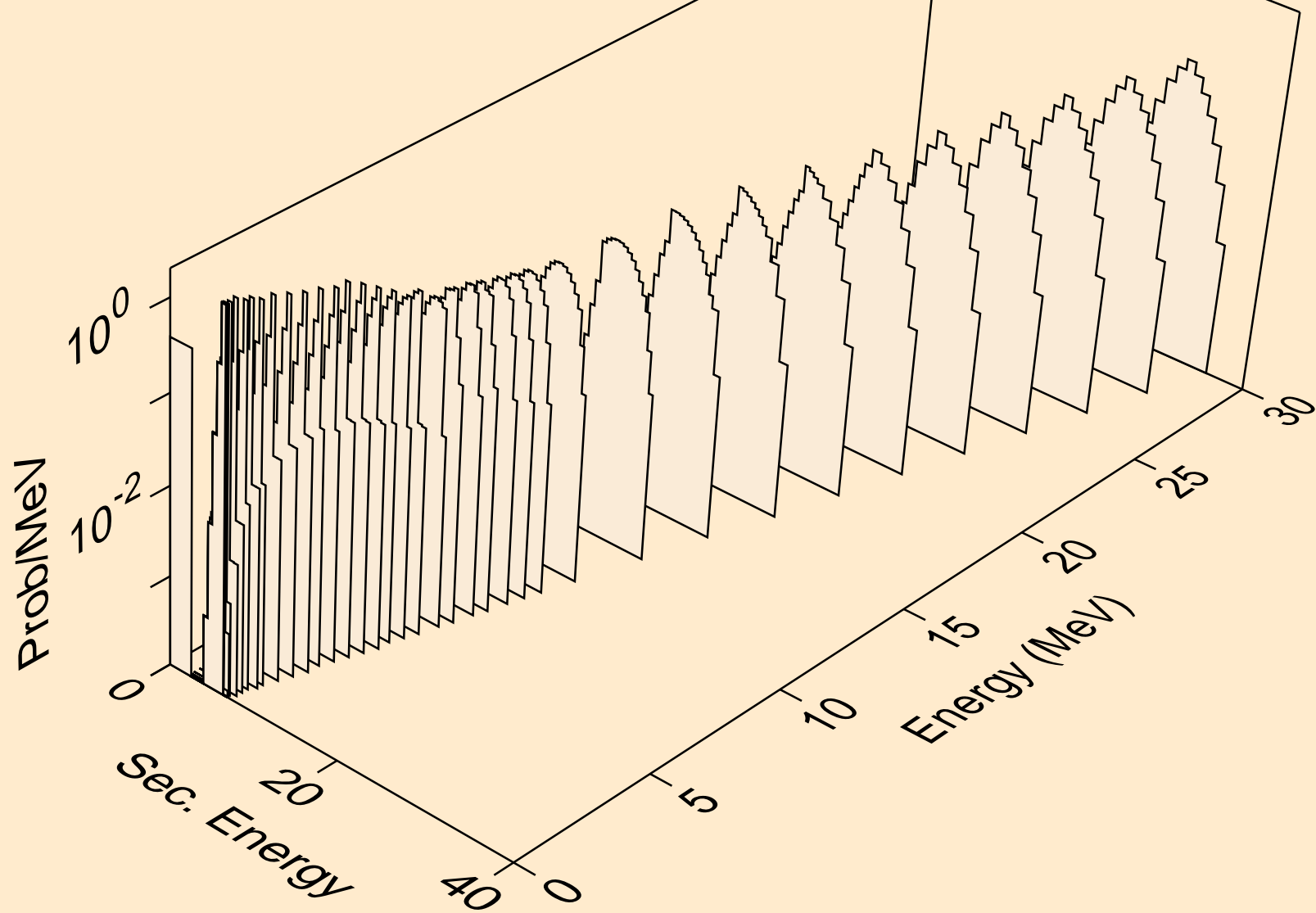
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alphas from (n,n\*)2a



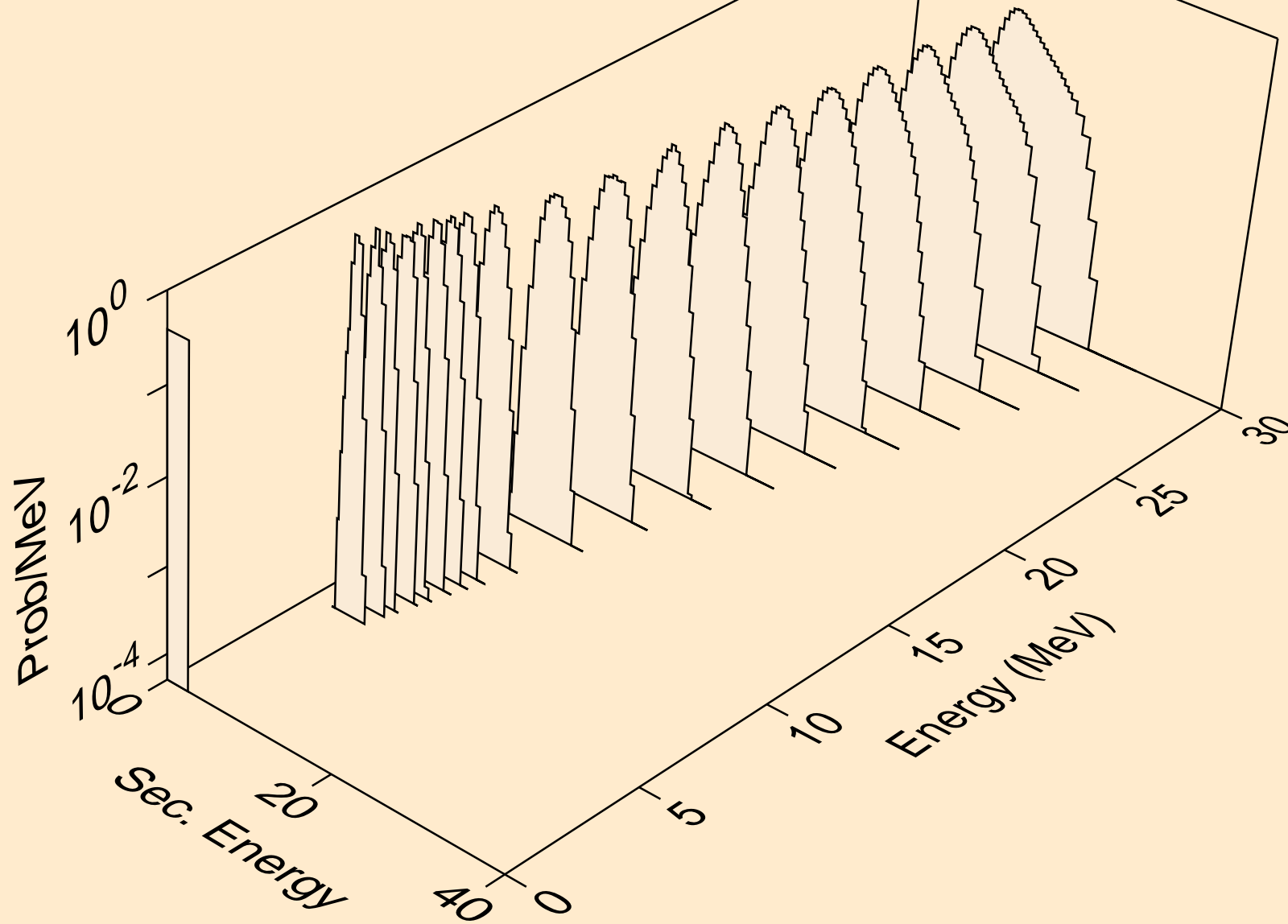
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alphas from (n,npa)



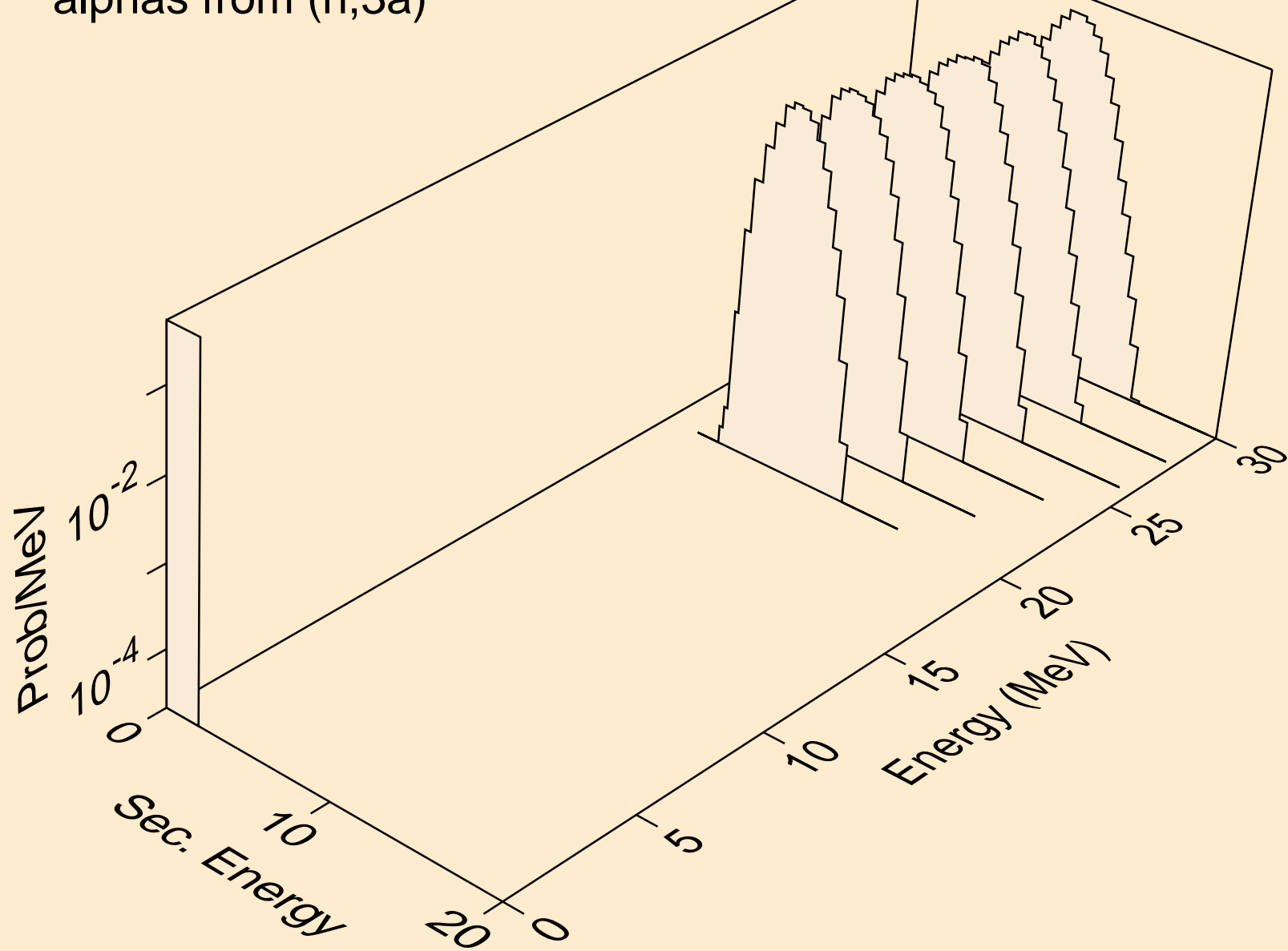
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alphas from (n,a)



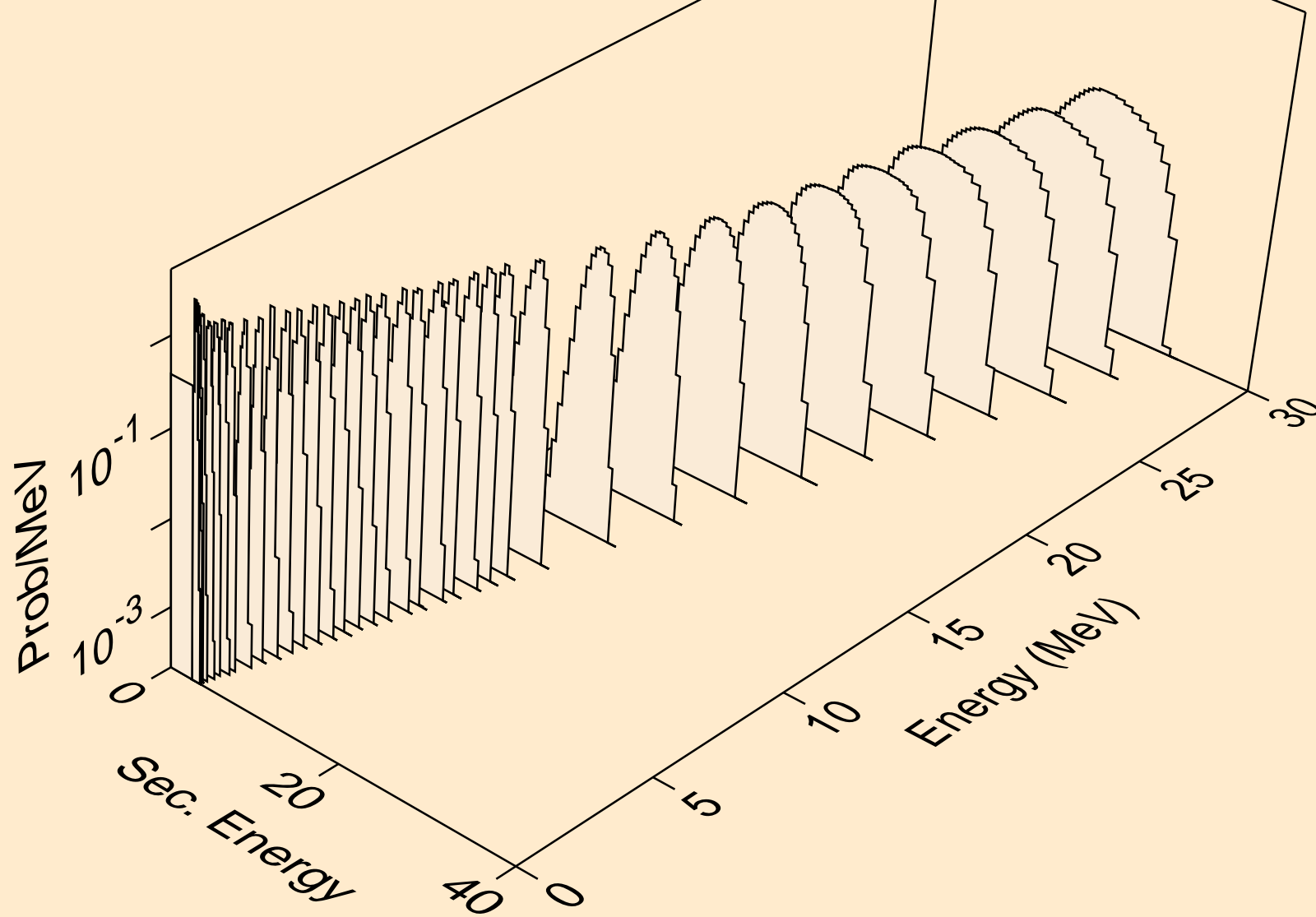
TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



TC089 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

