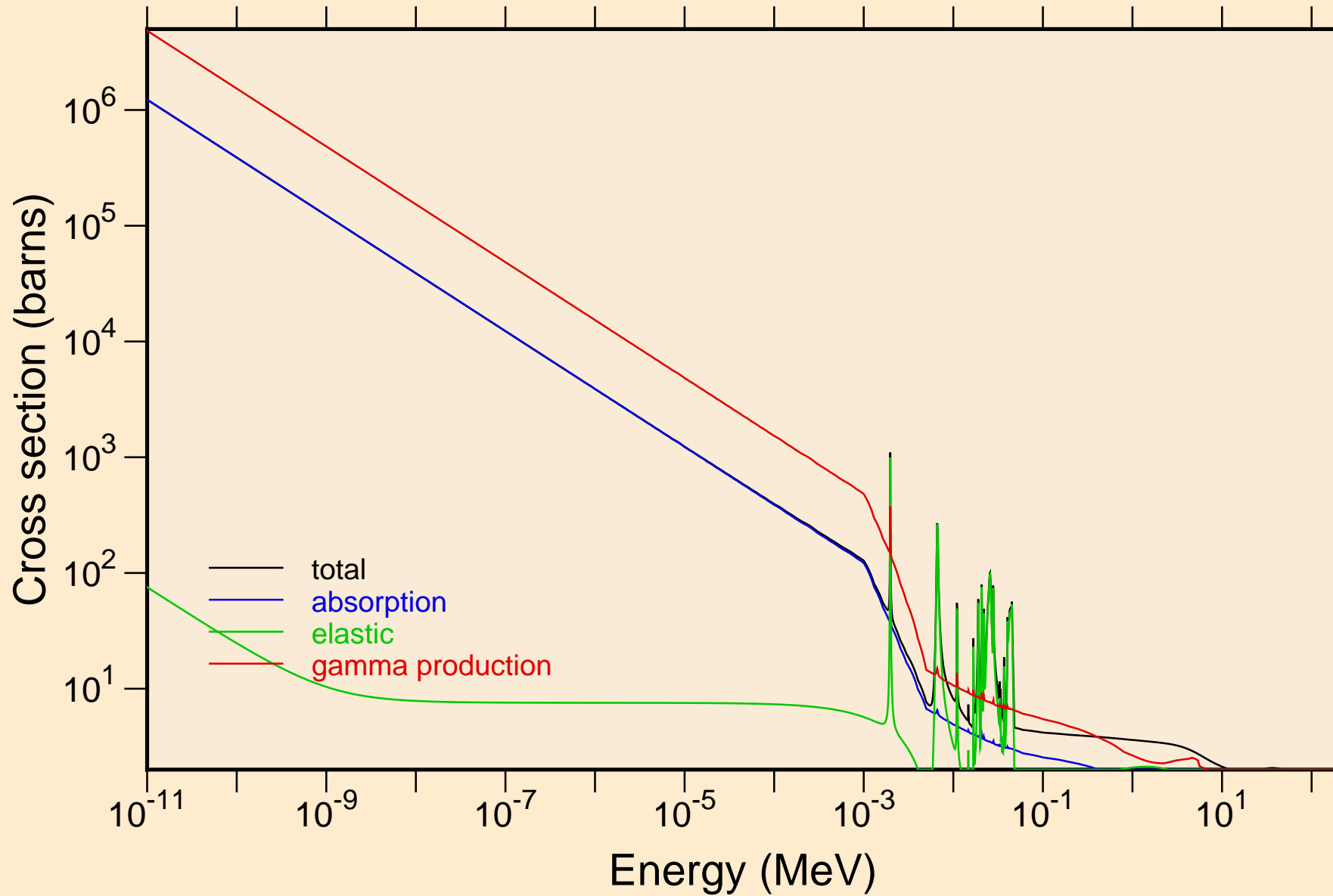
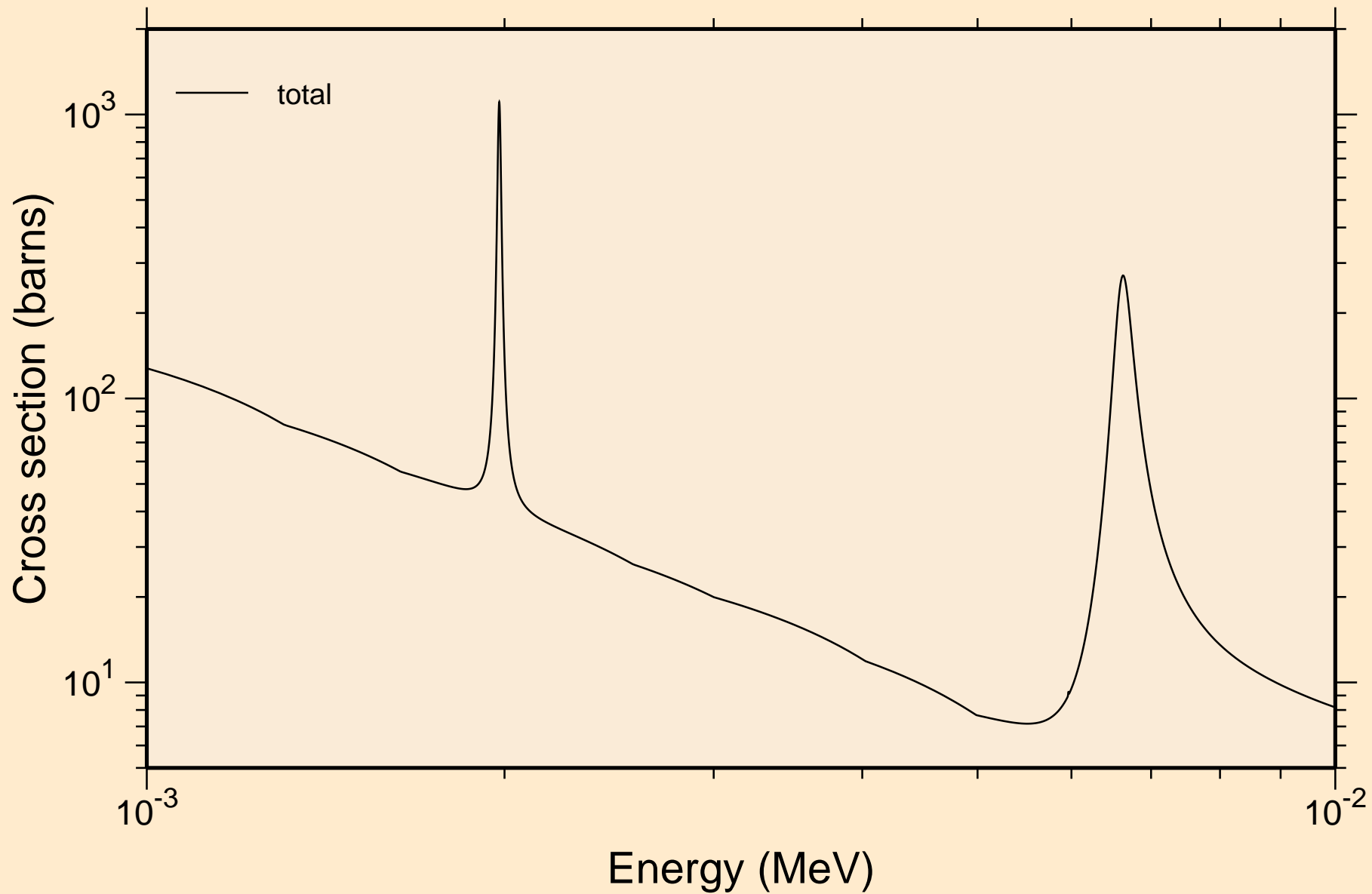


# CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

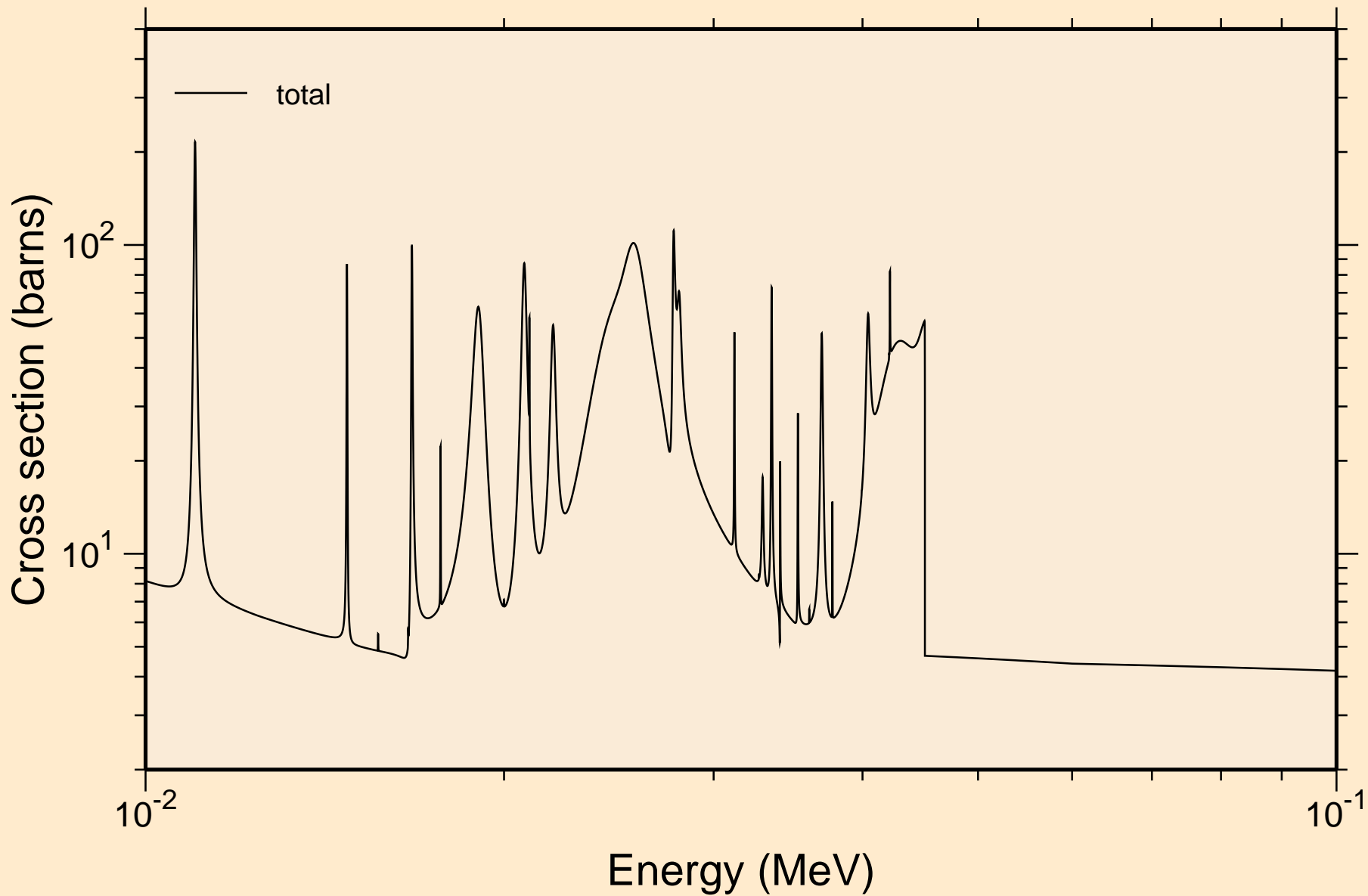
## Principal cross sections



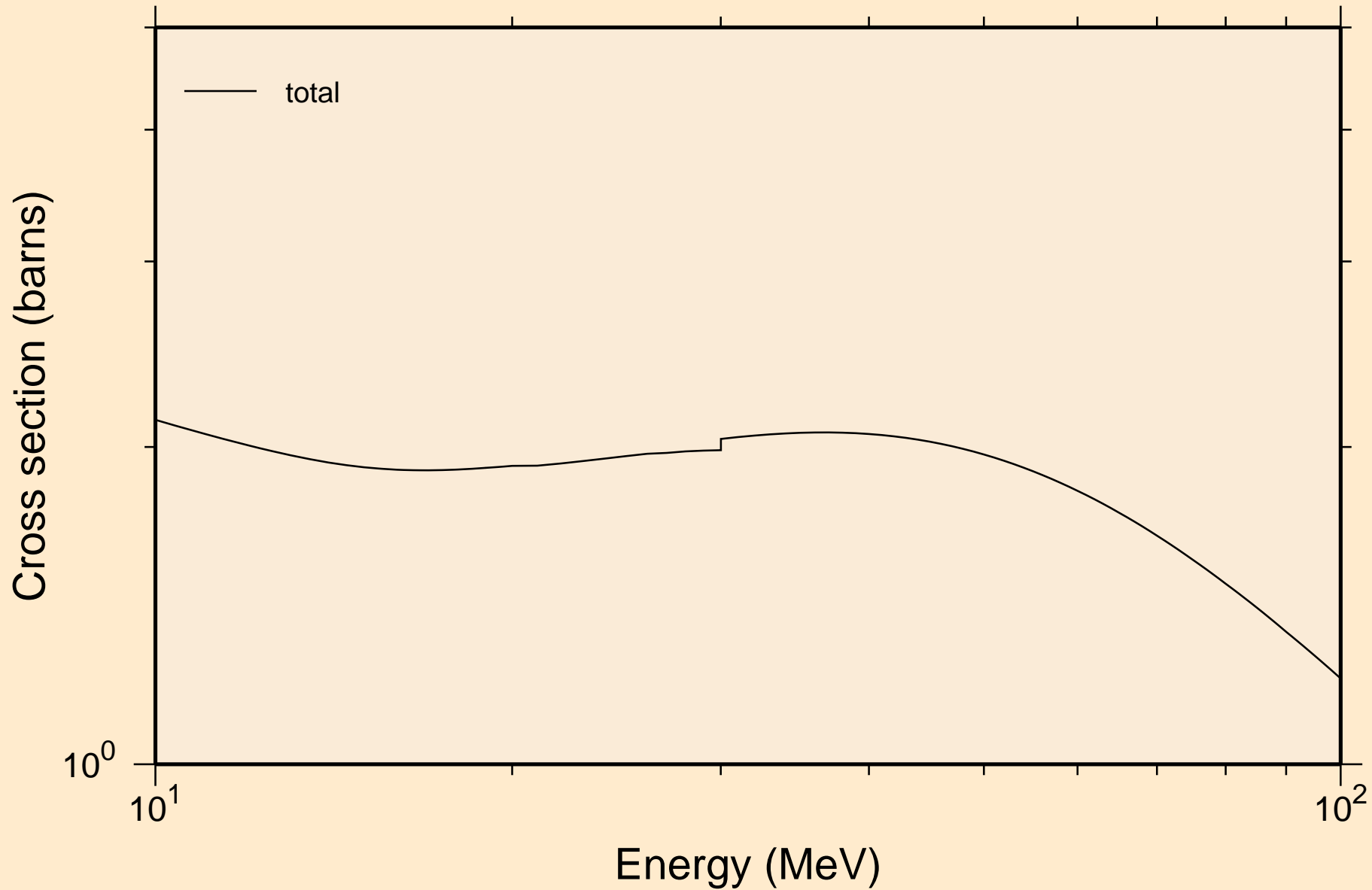
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



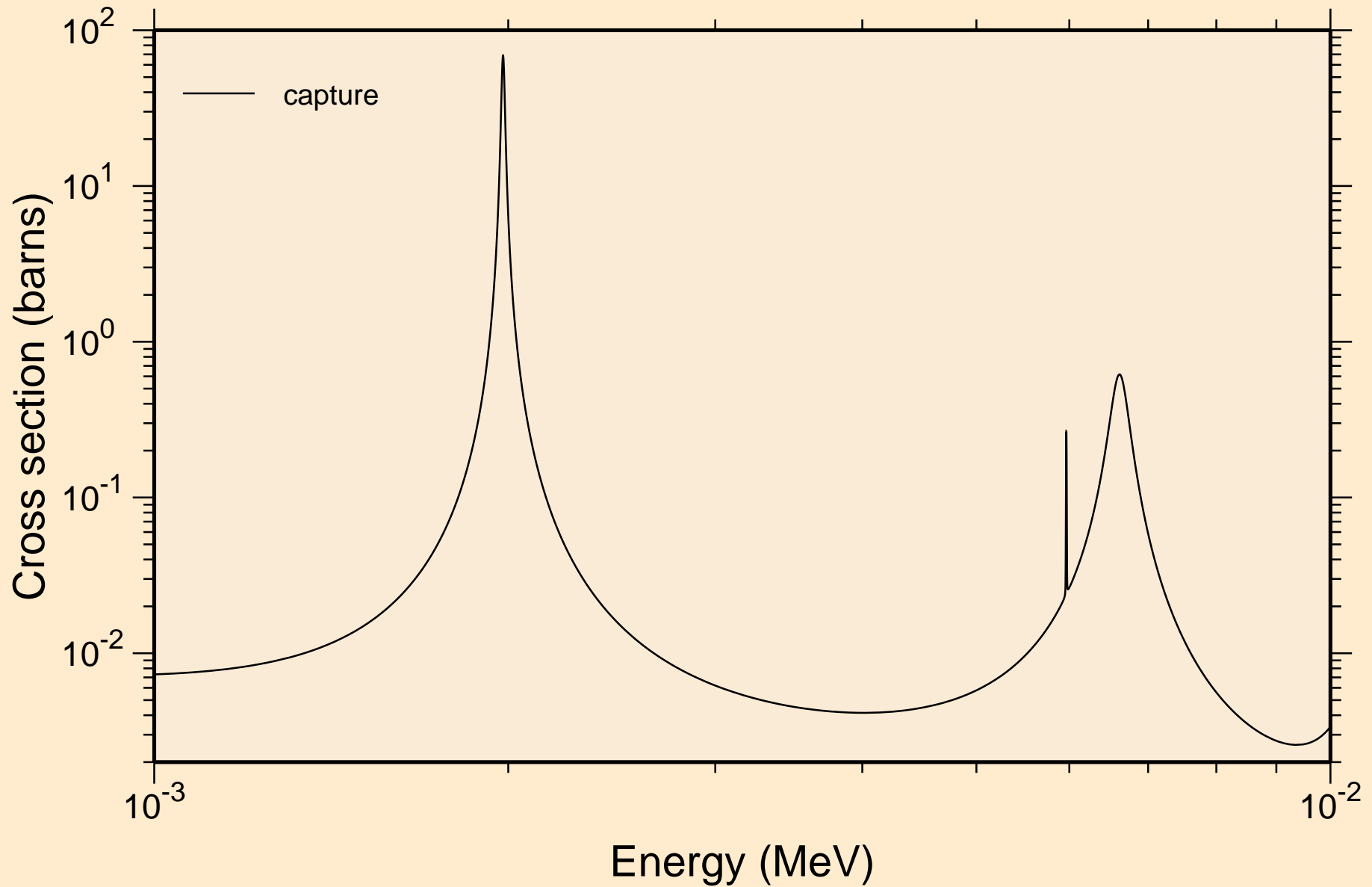
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



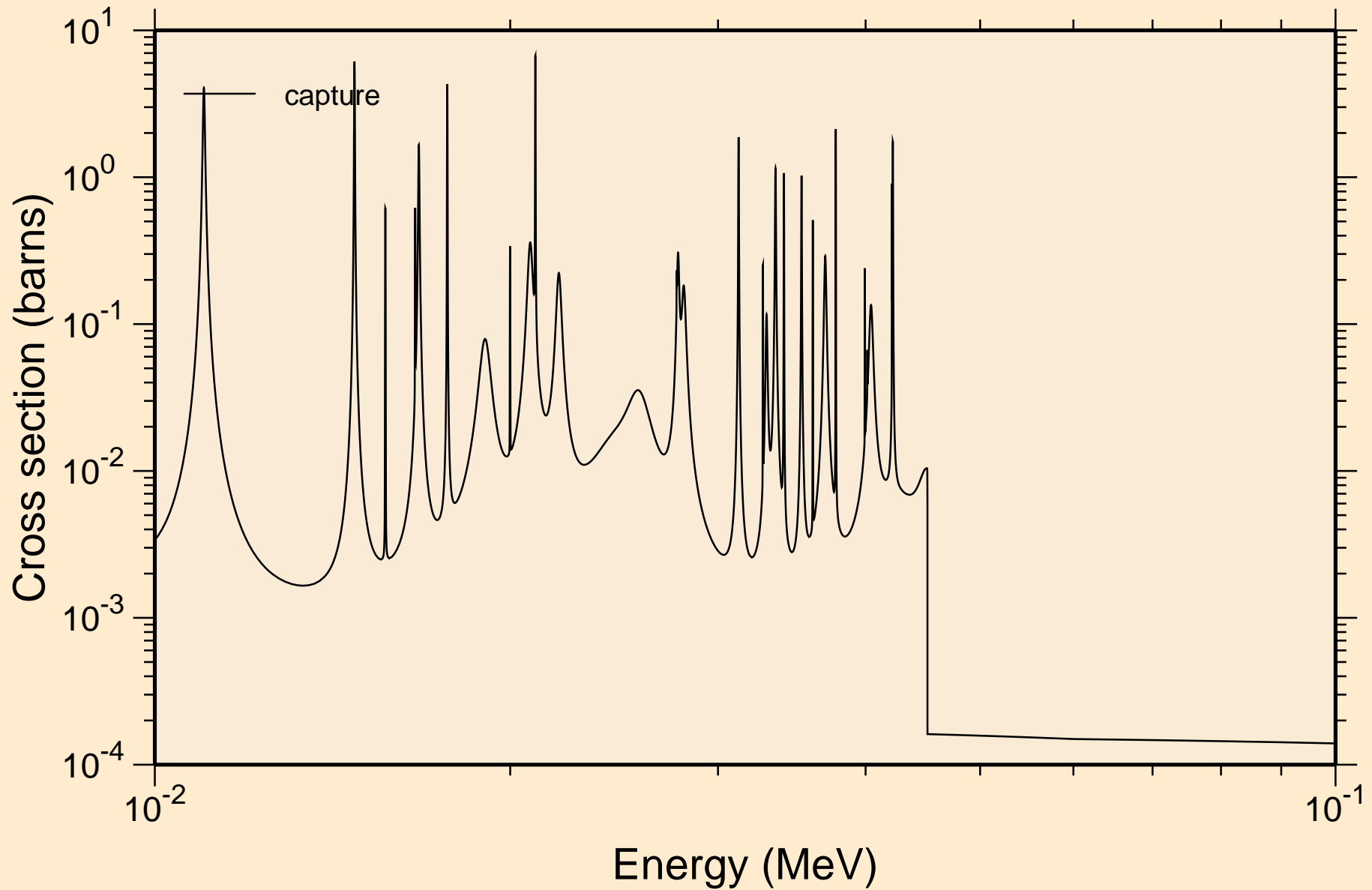
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



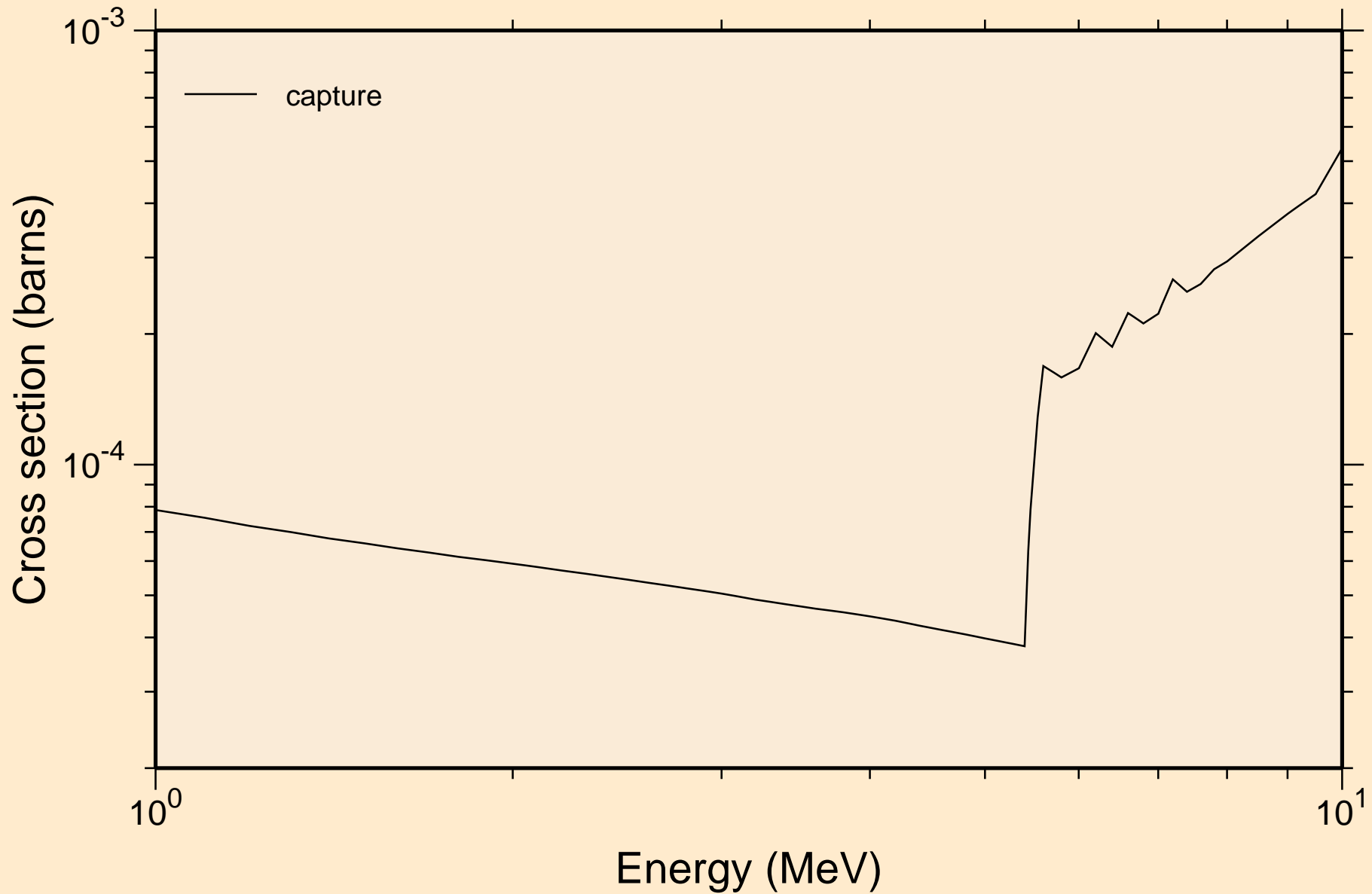
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



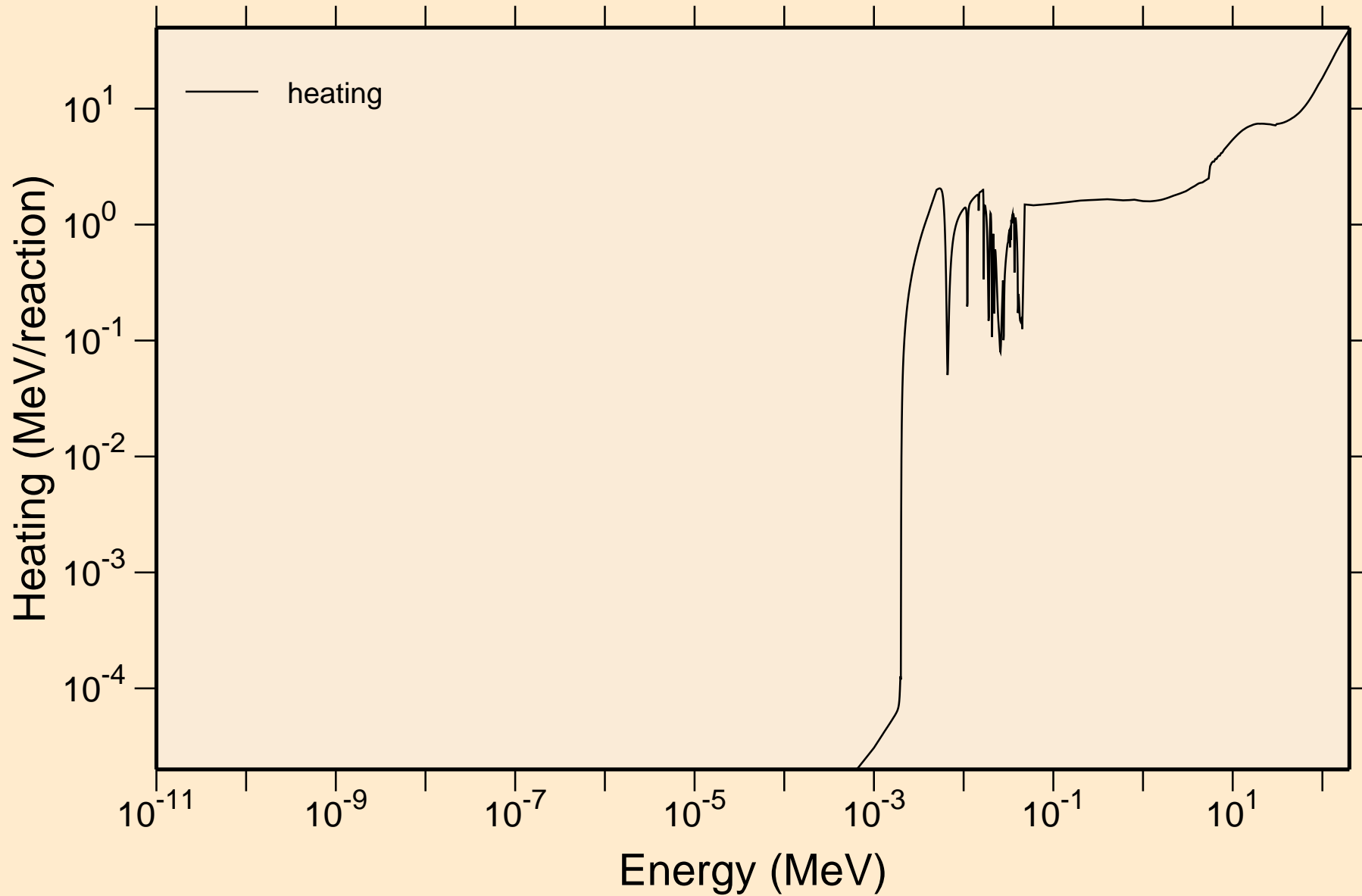
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

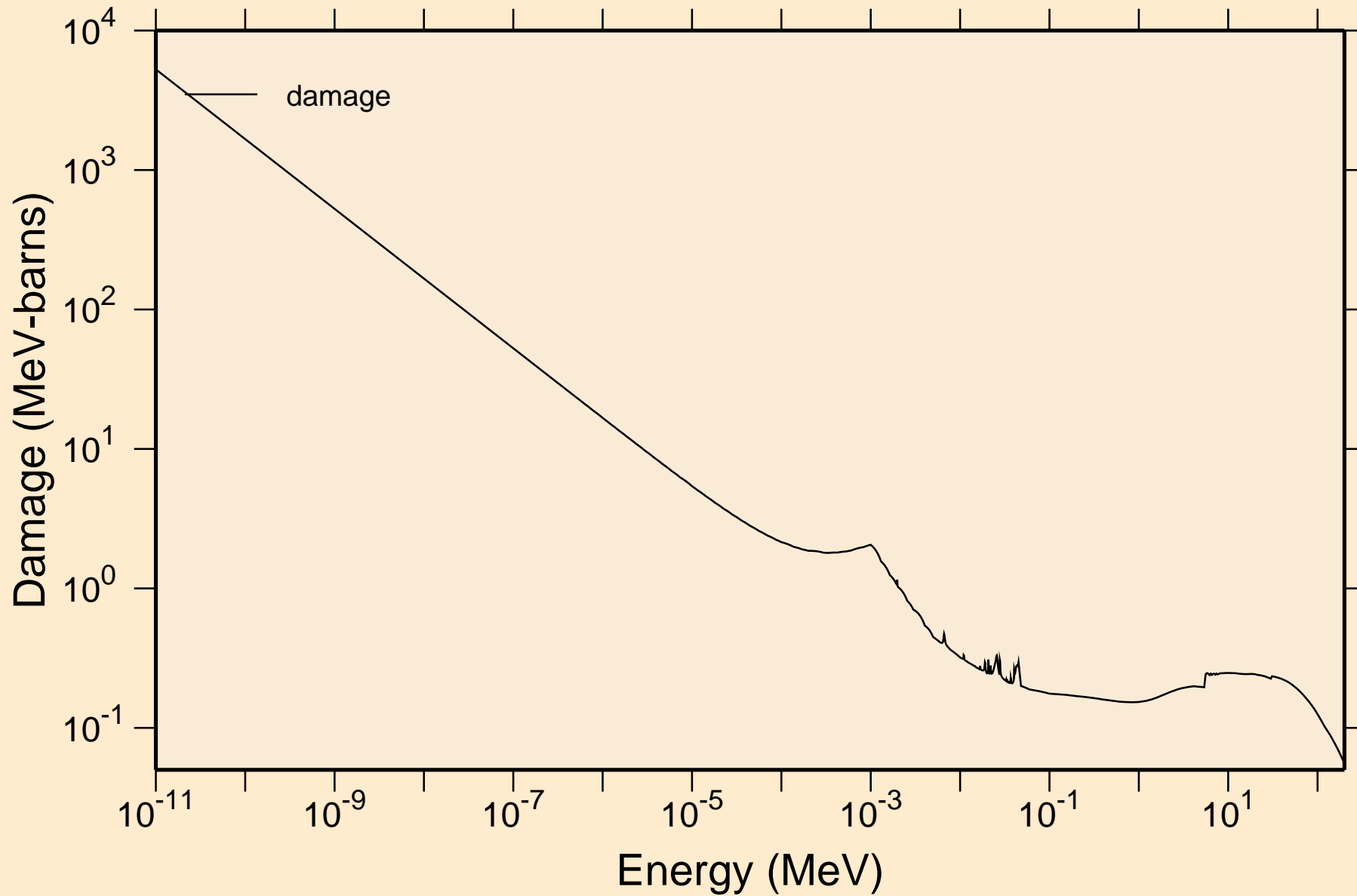


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

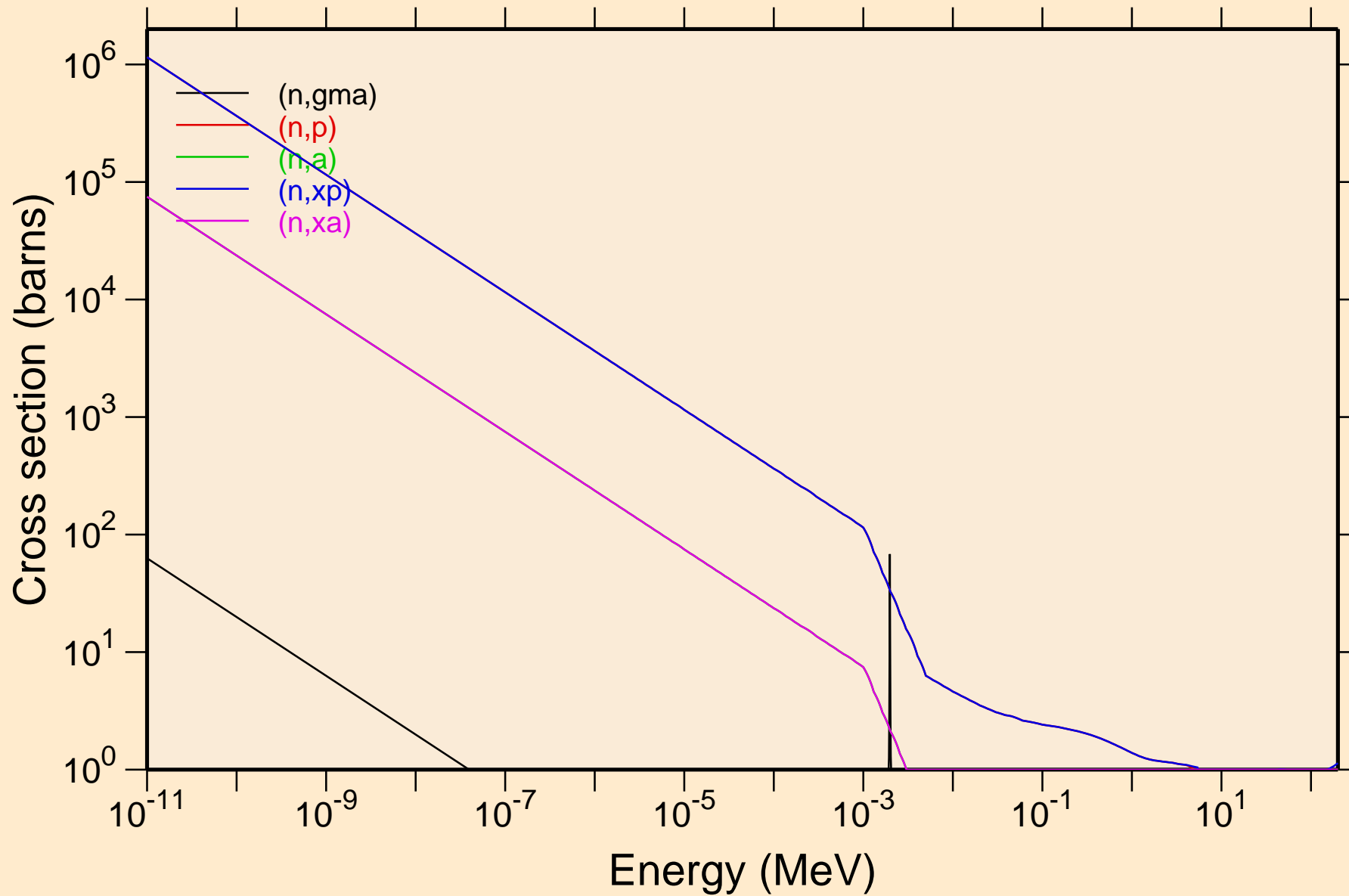




CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

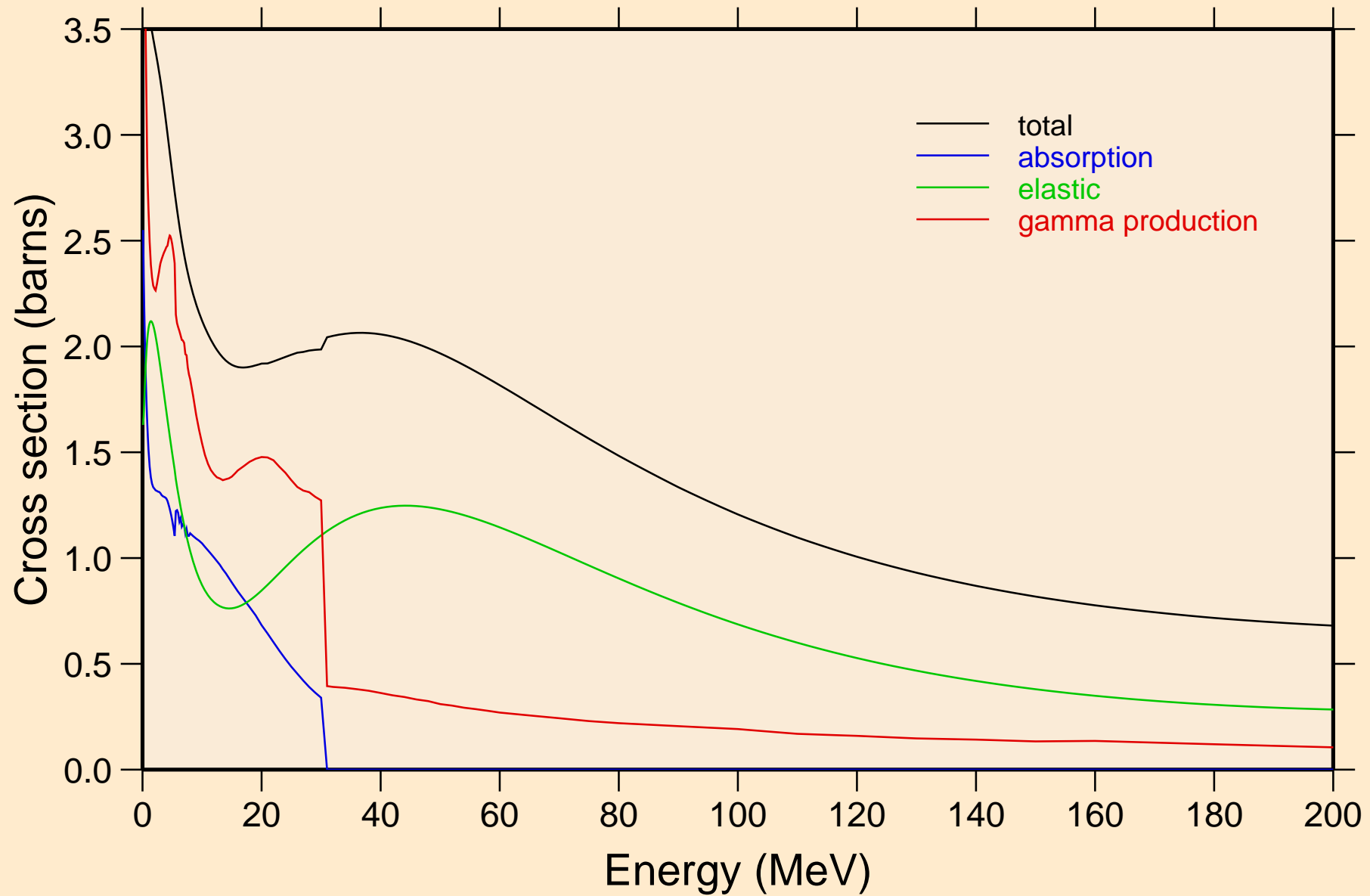


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



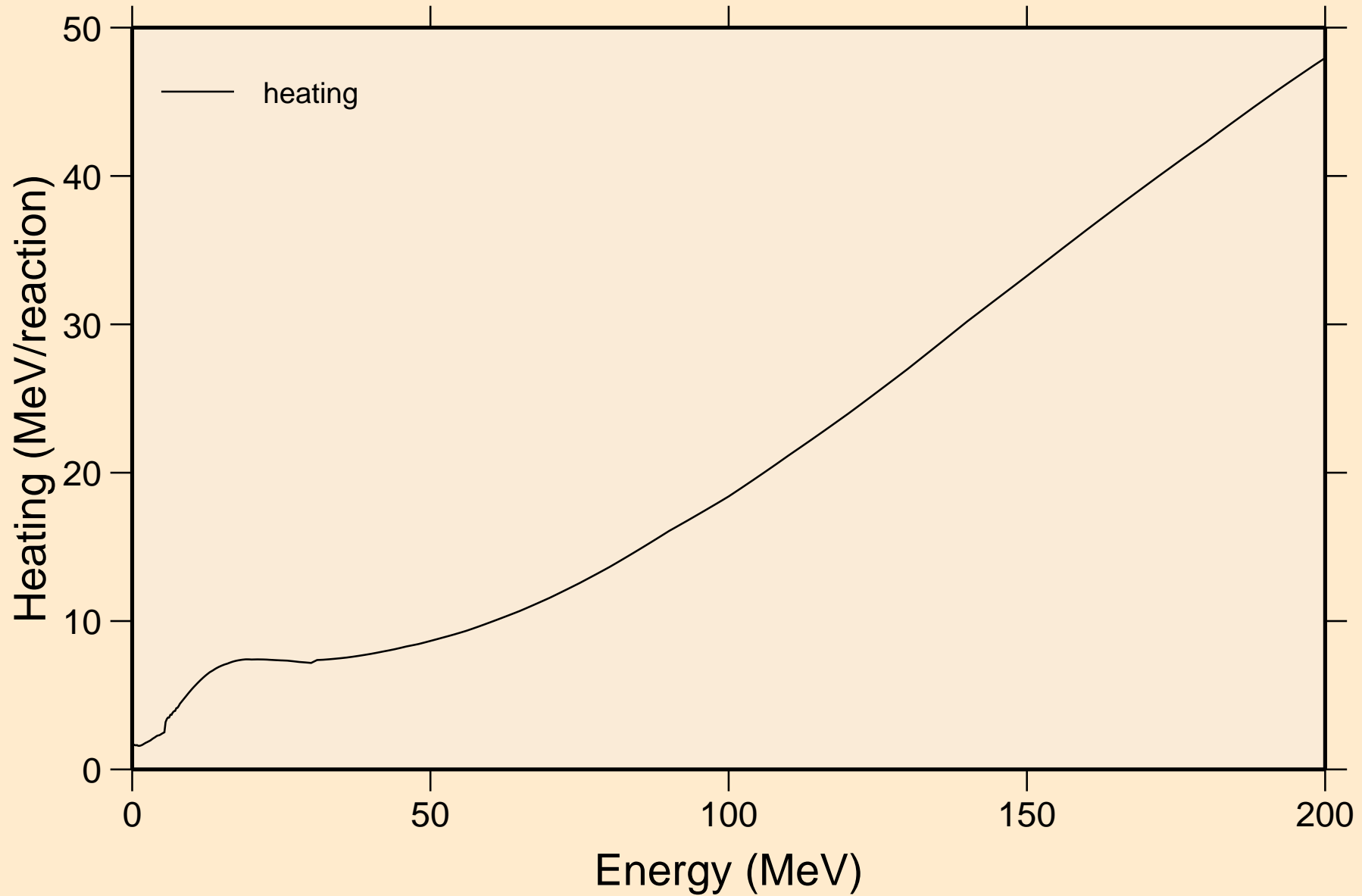
# CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

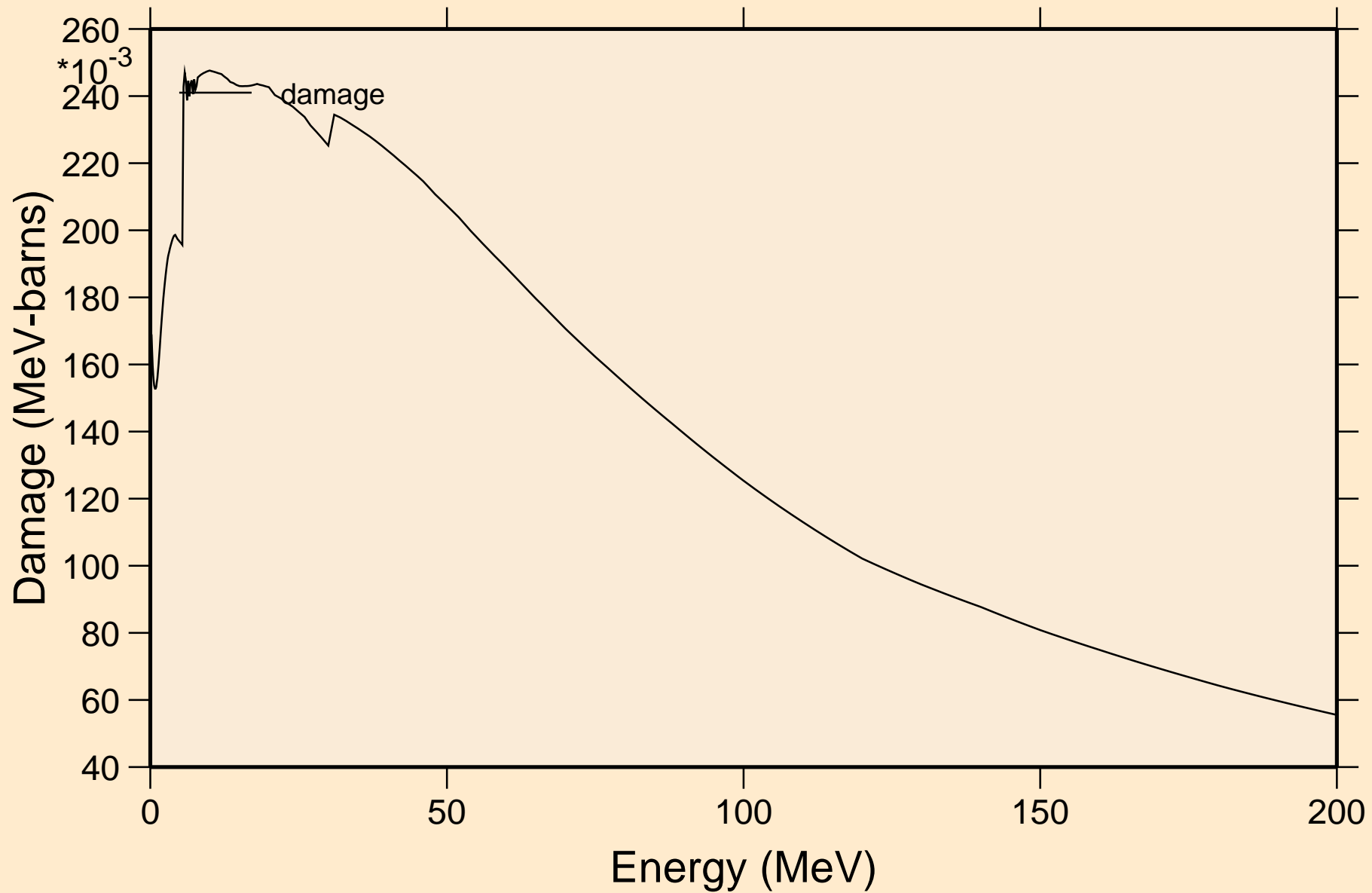


# CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

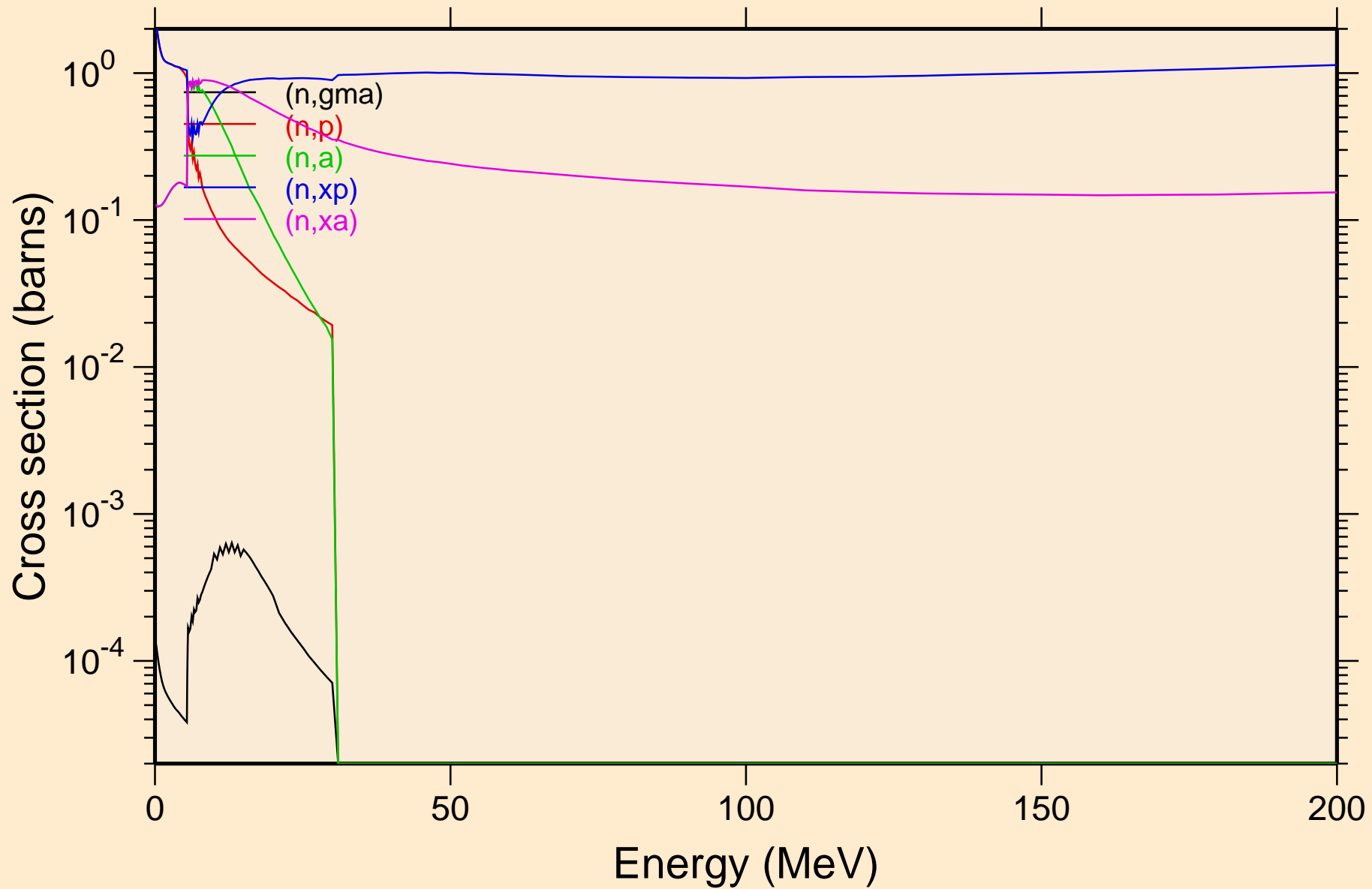
## Heating



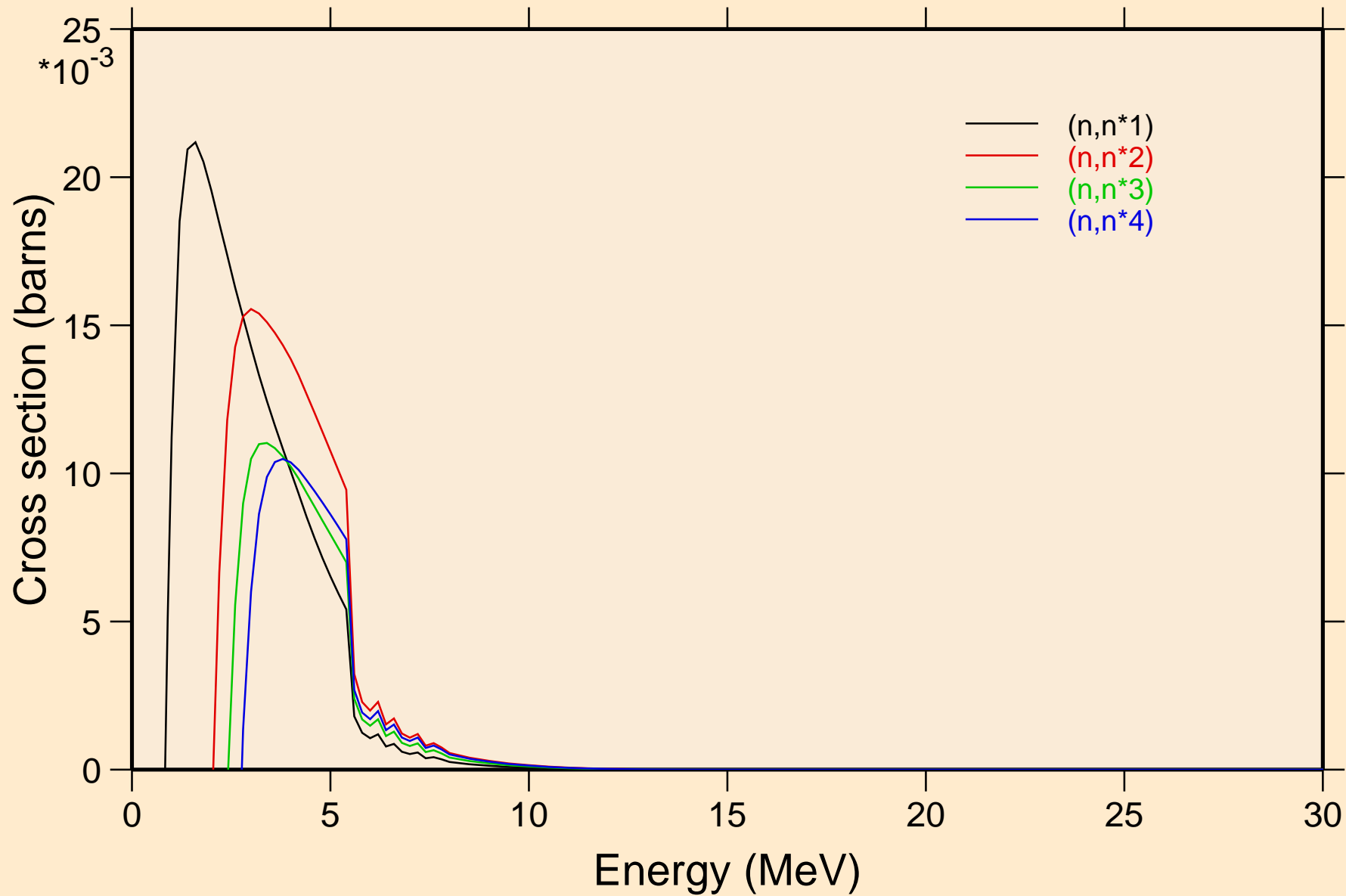
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



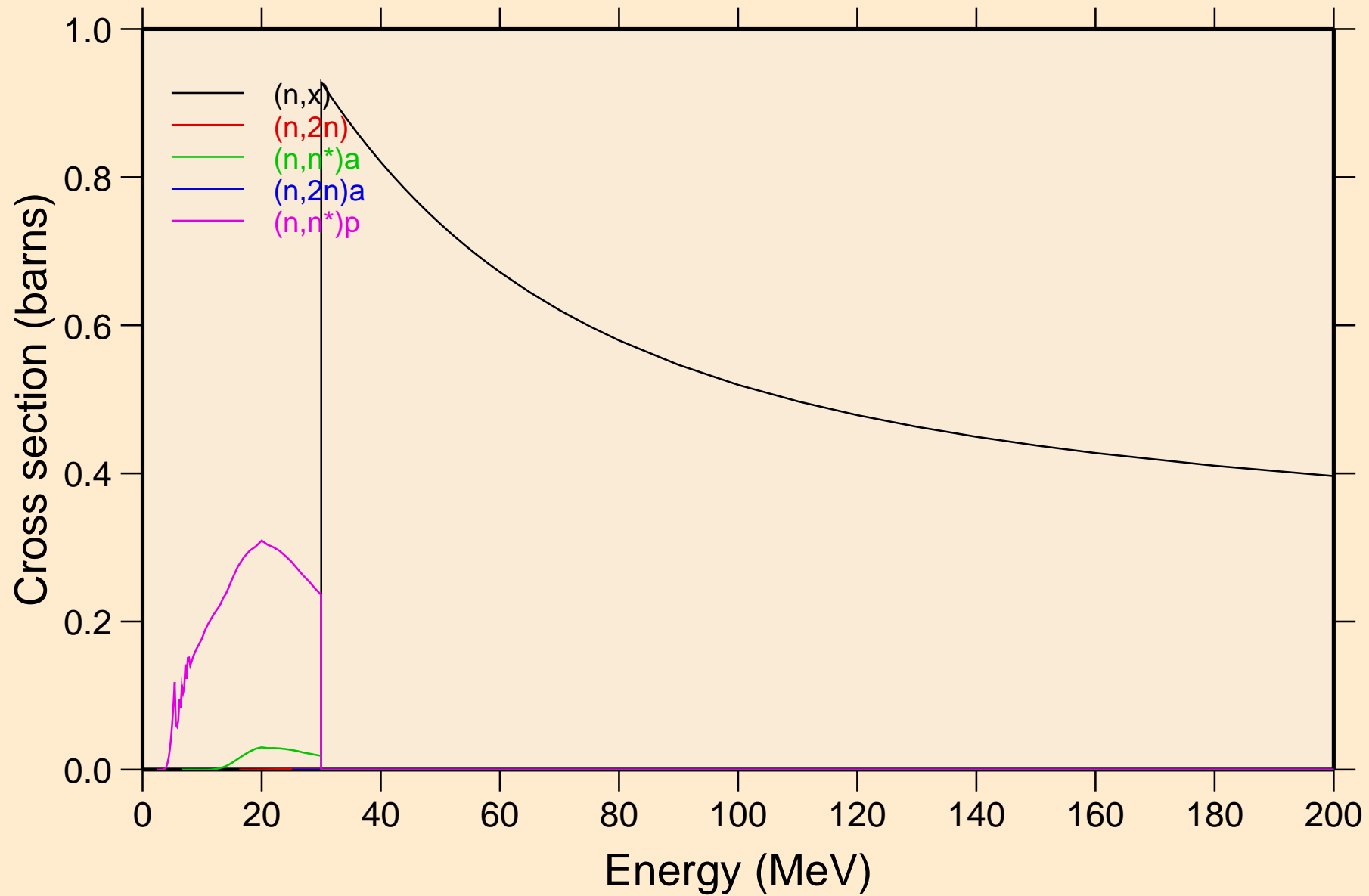
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

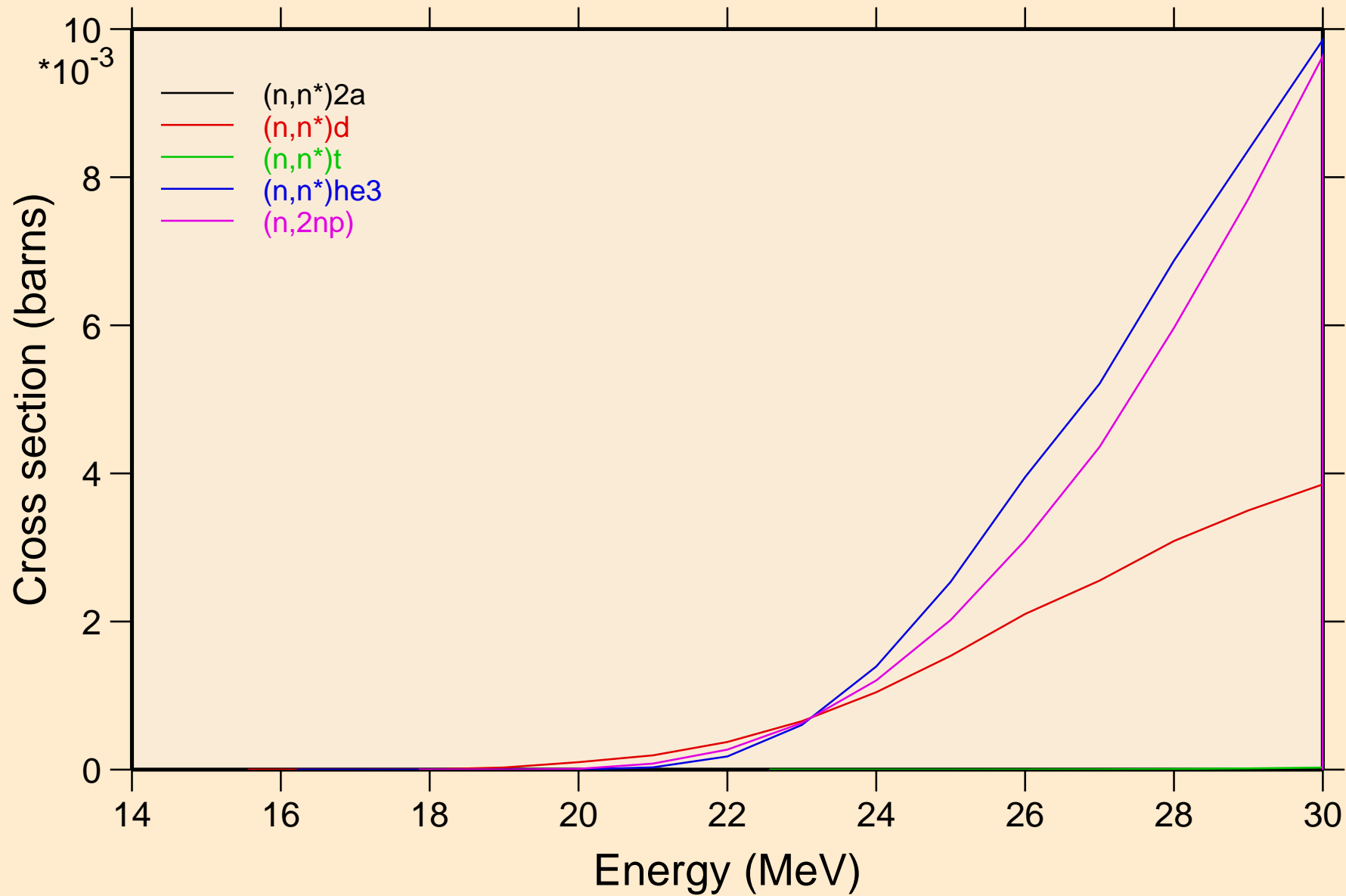


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



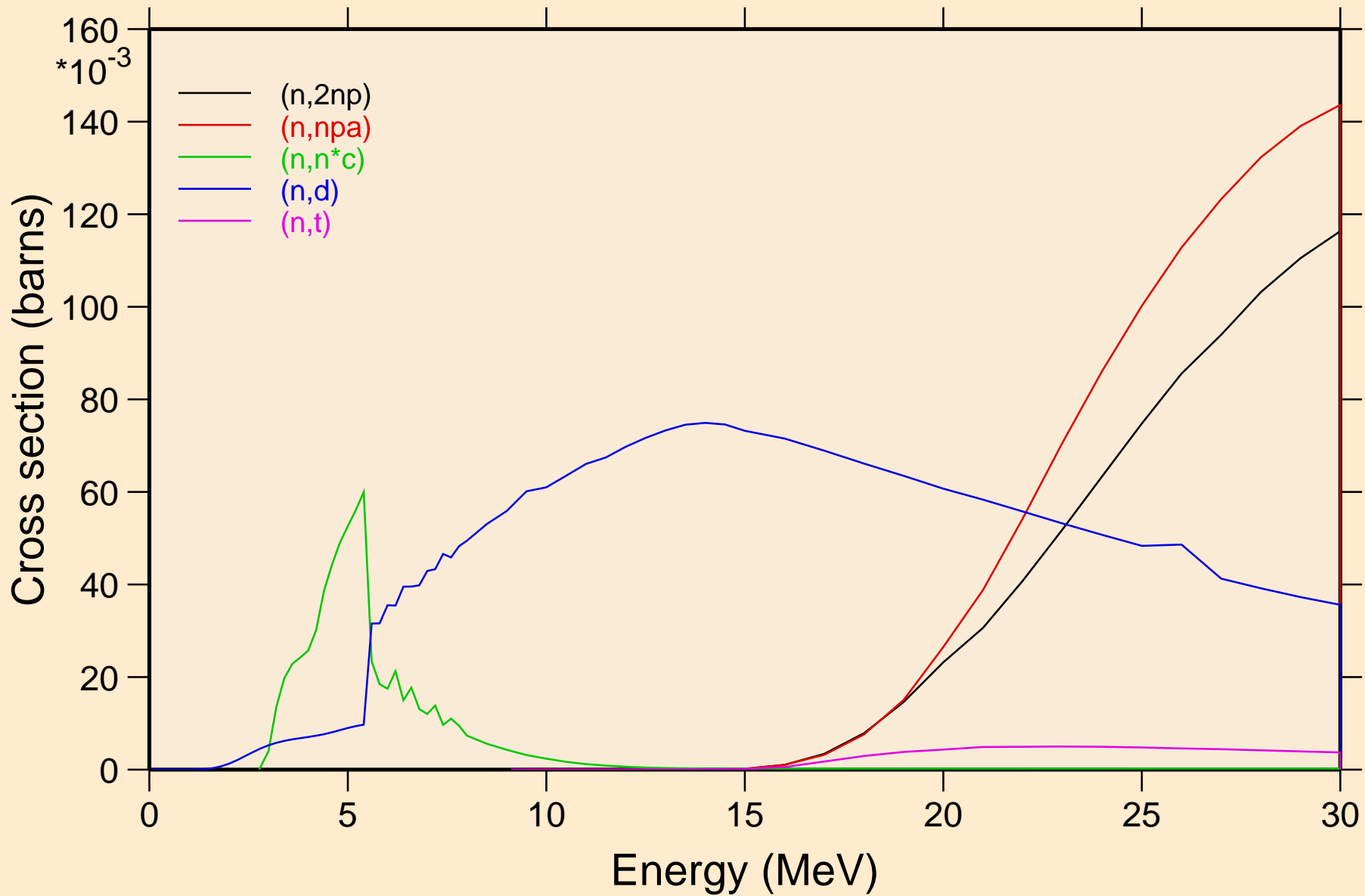


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

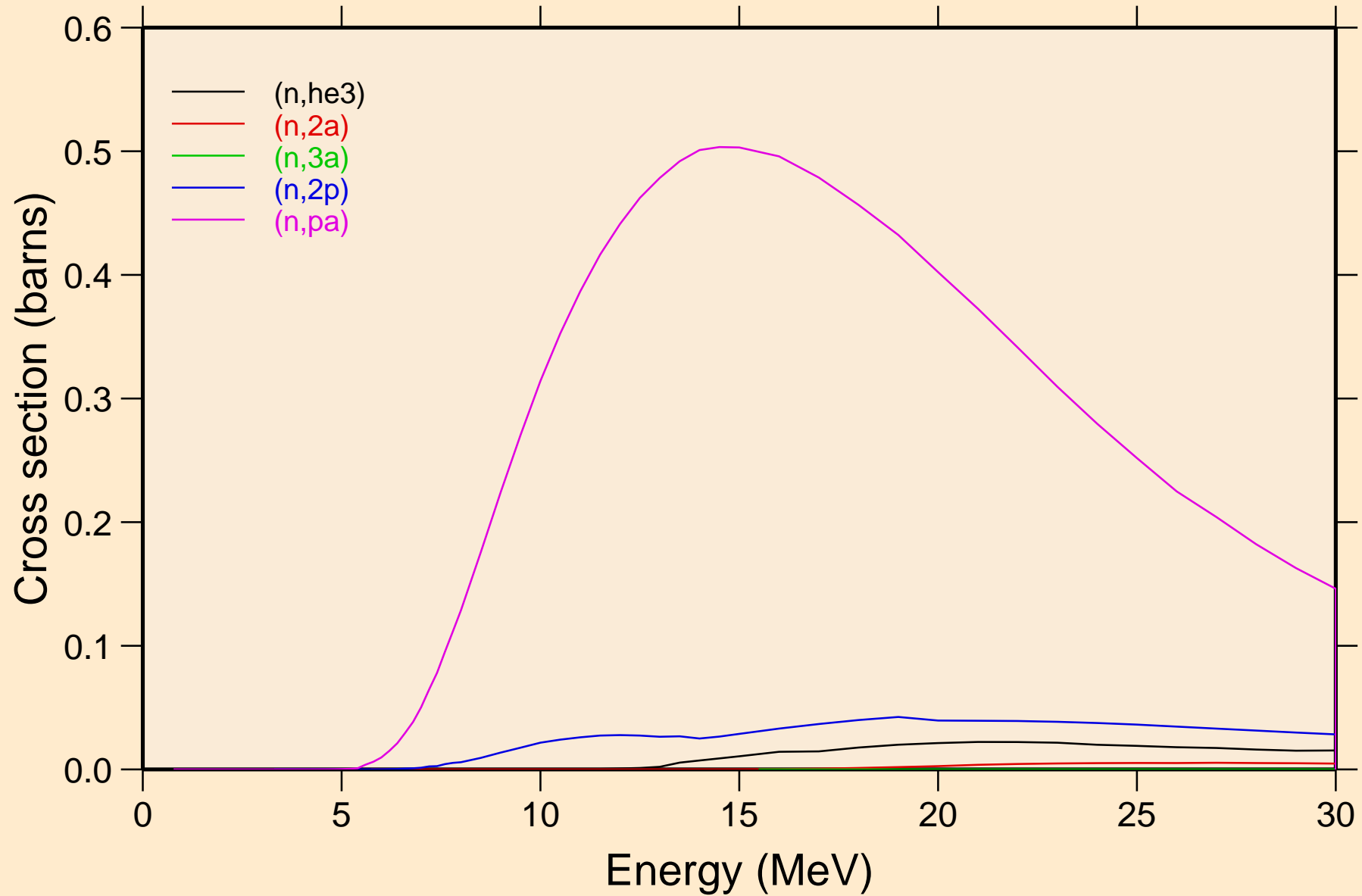


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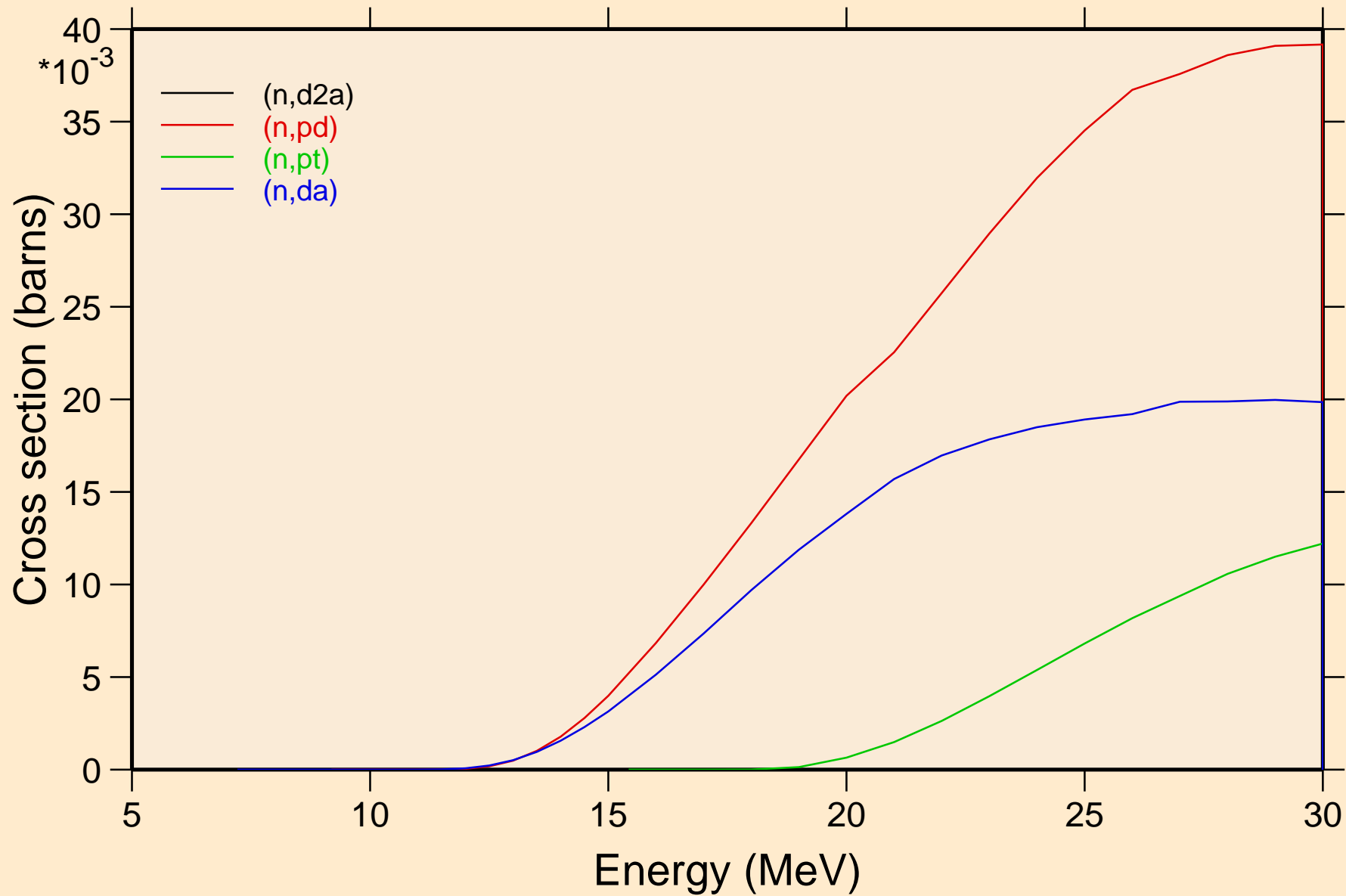
## Threshold reactions



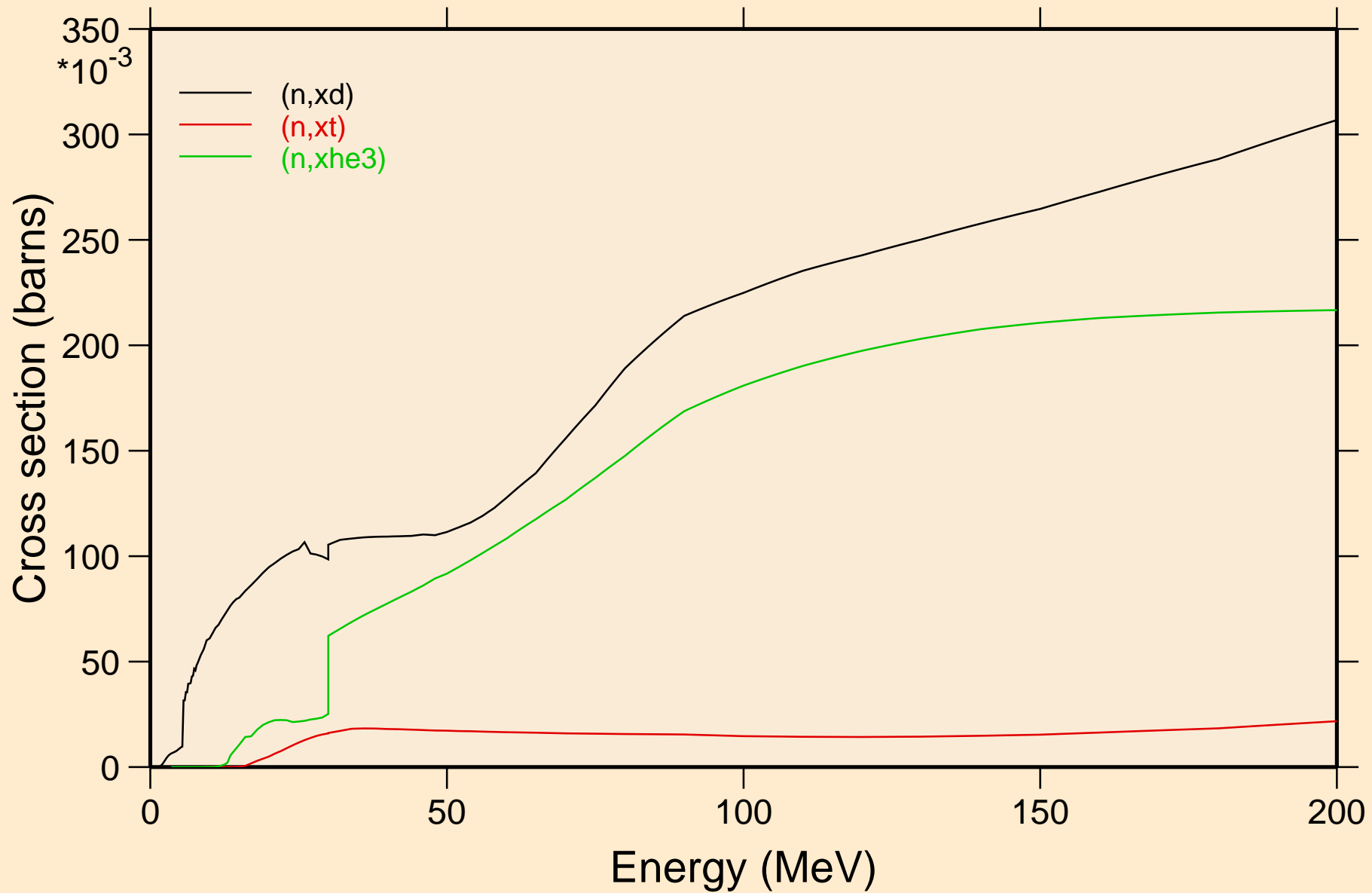
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



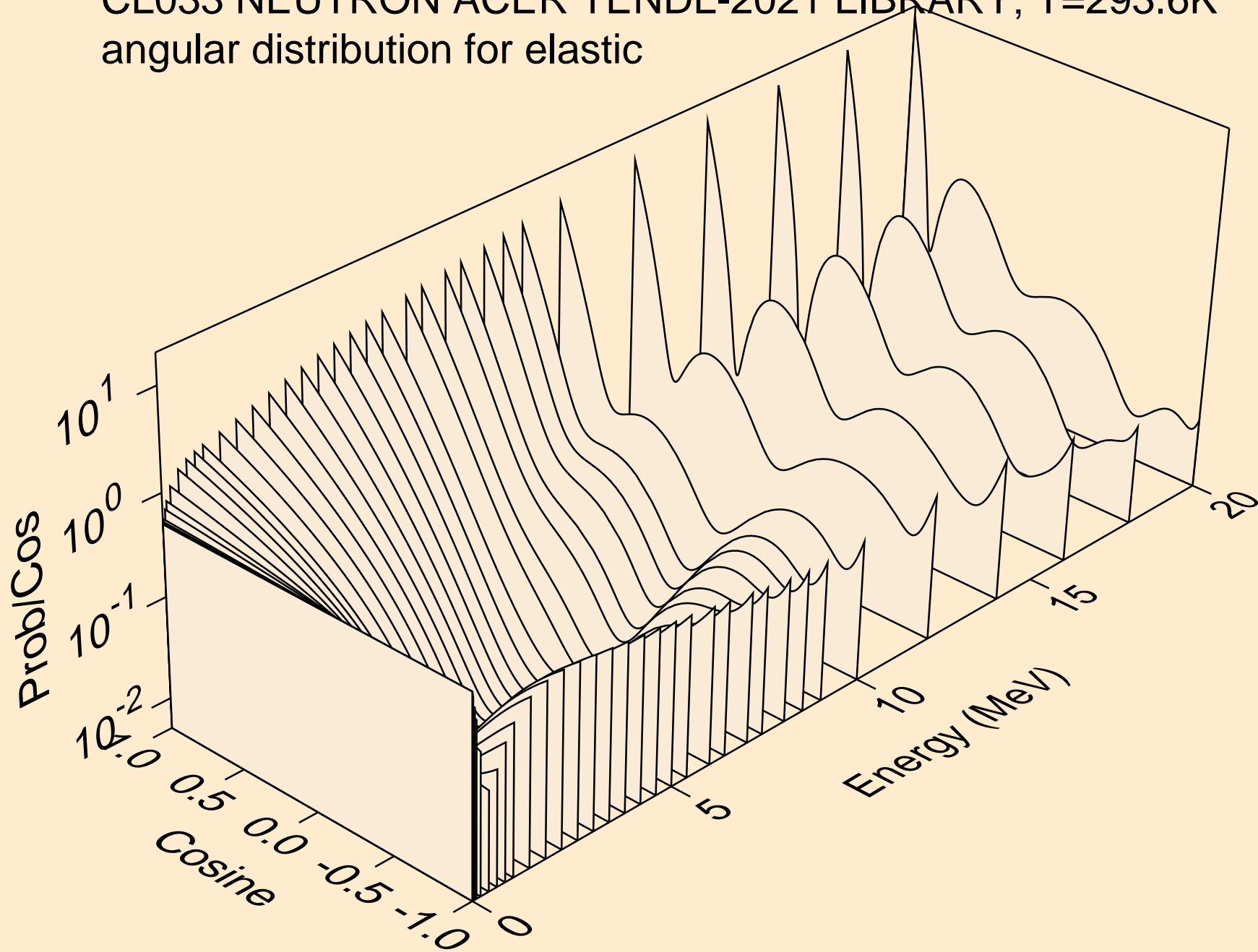
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



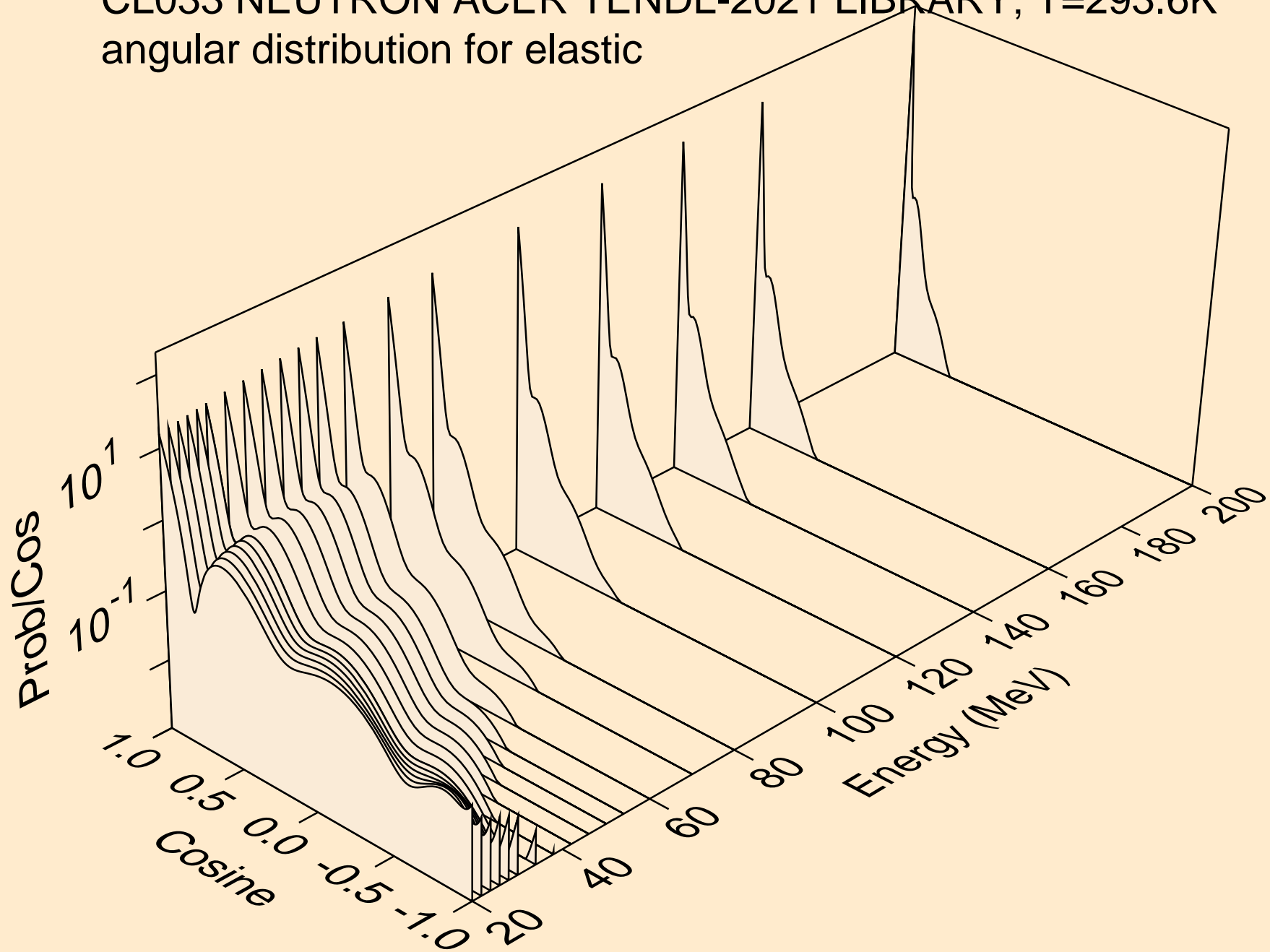
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



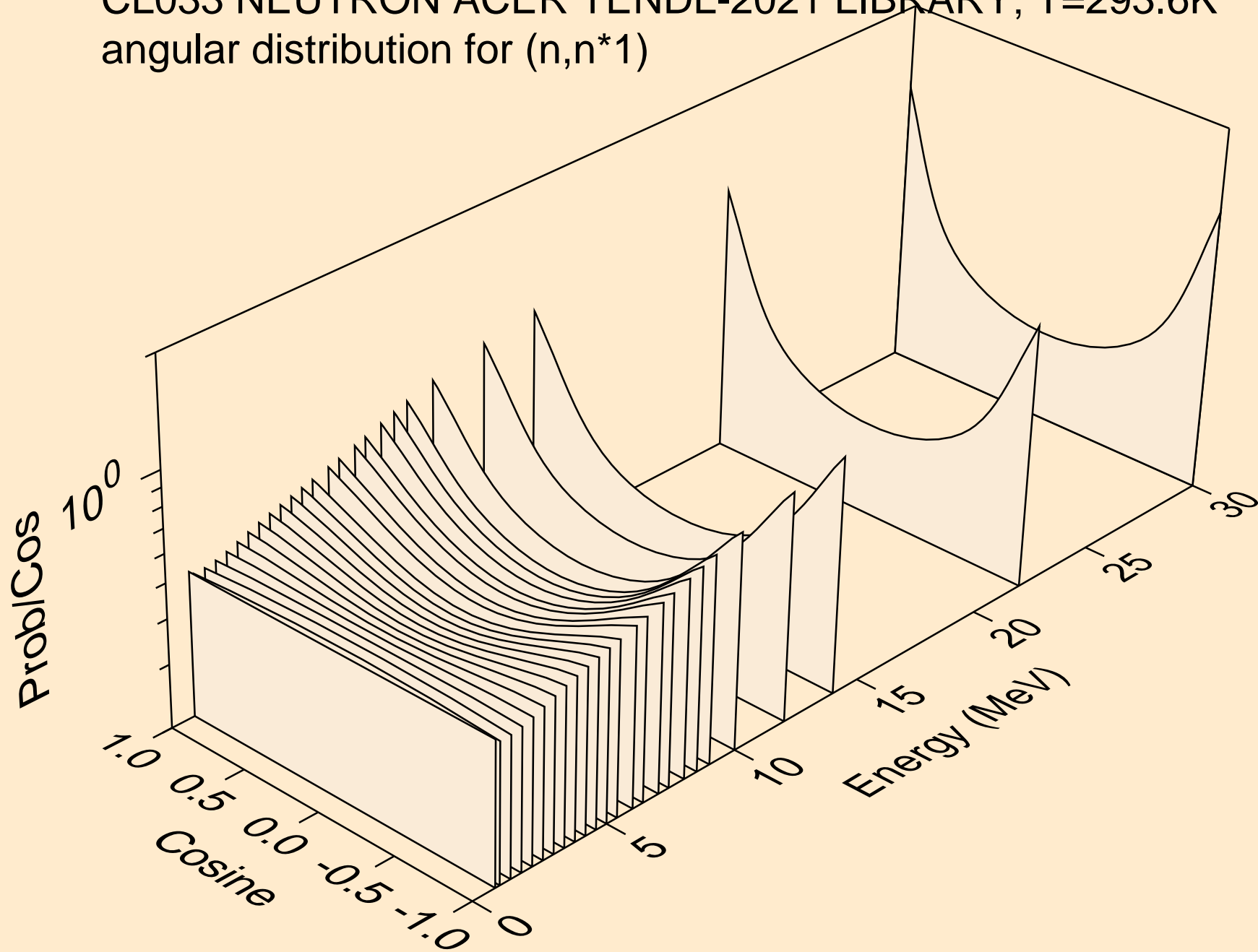
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

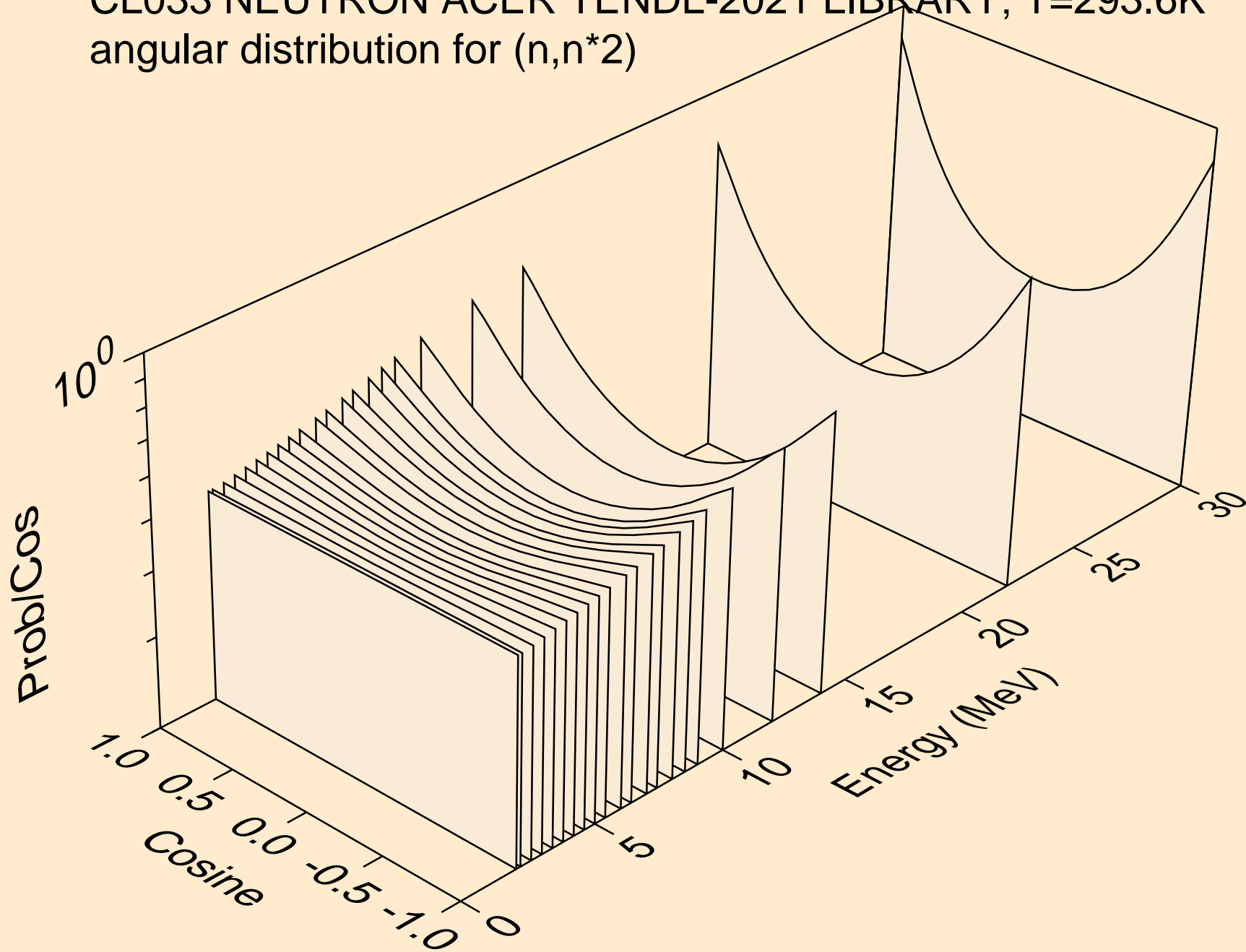


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angular distribution for (n,n\*1)

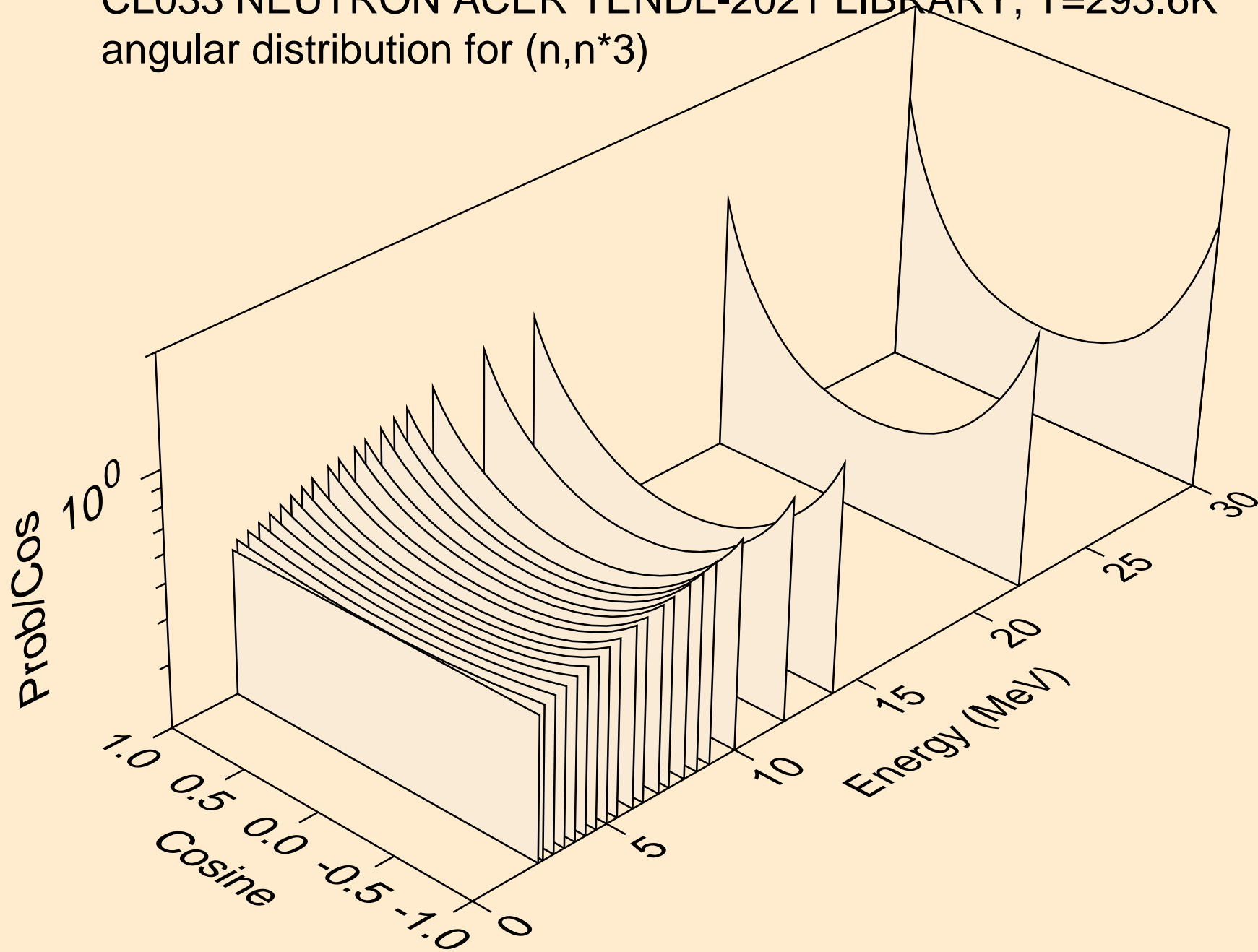




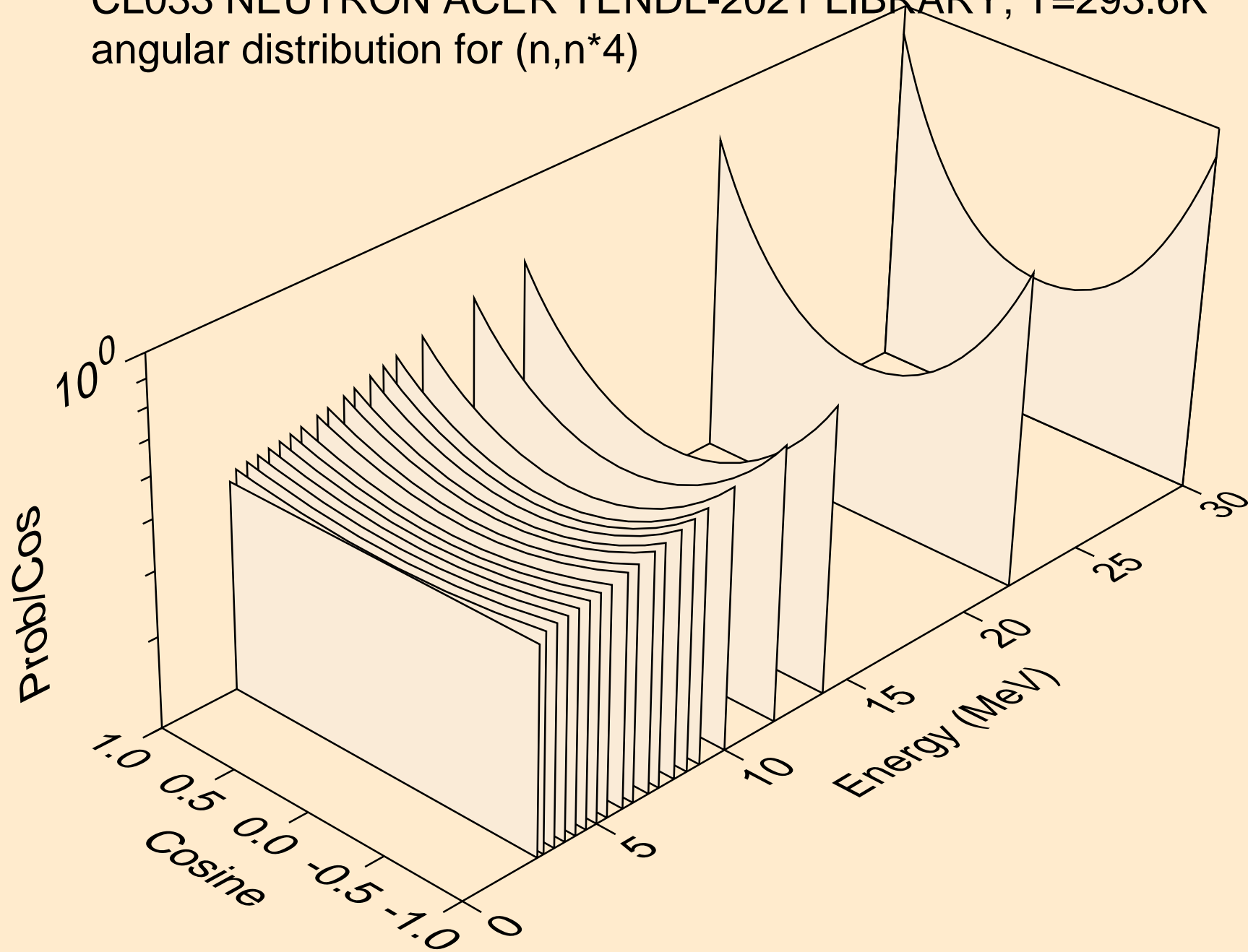
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angular distribution for (n,n\*2)



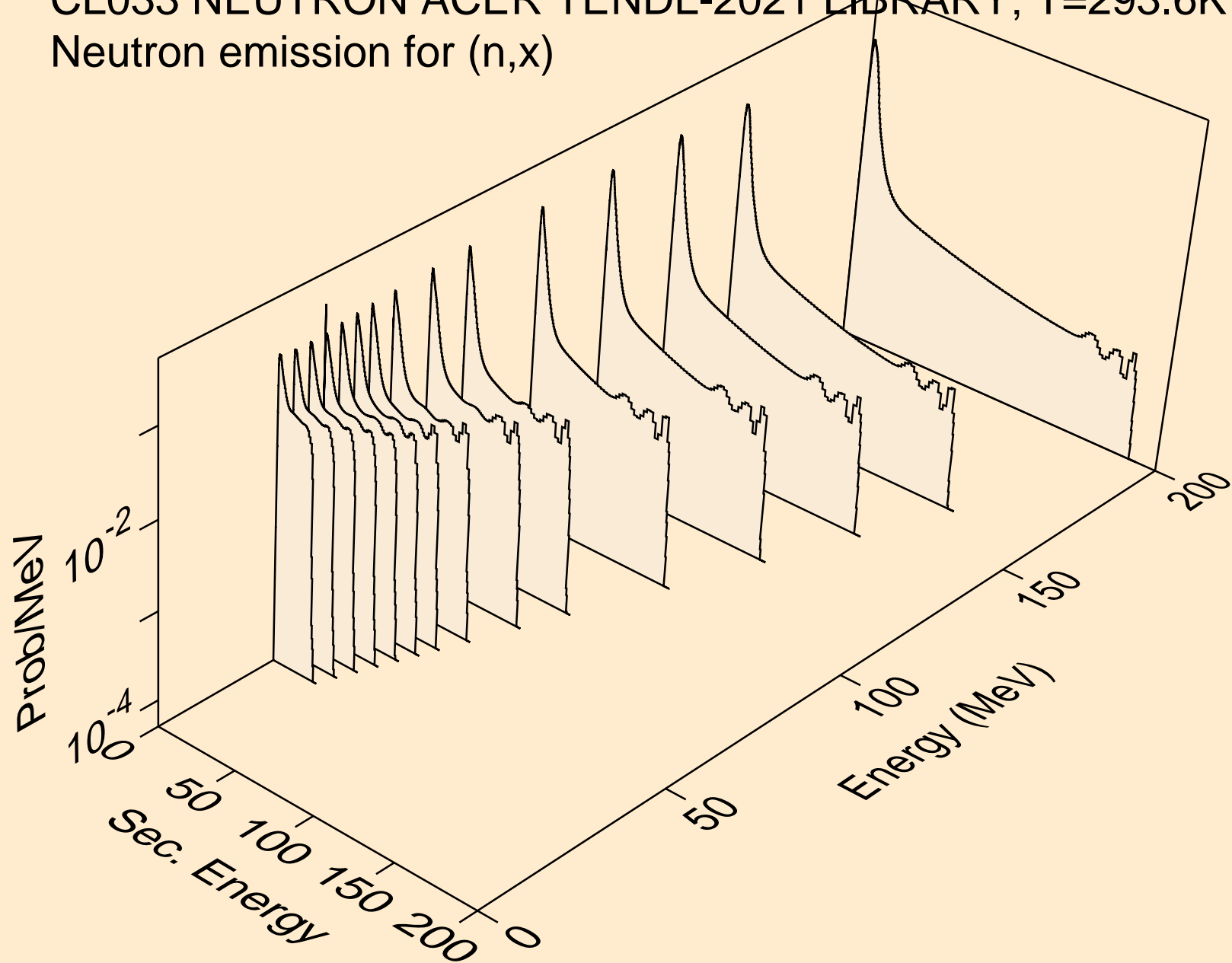
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angular distribution for (n,n\*3)



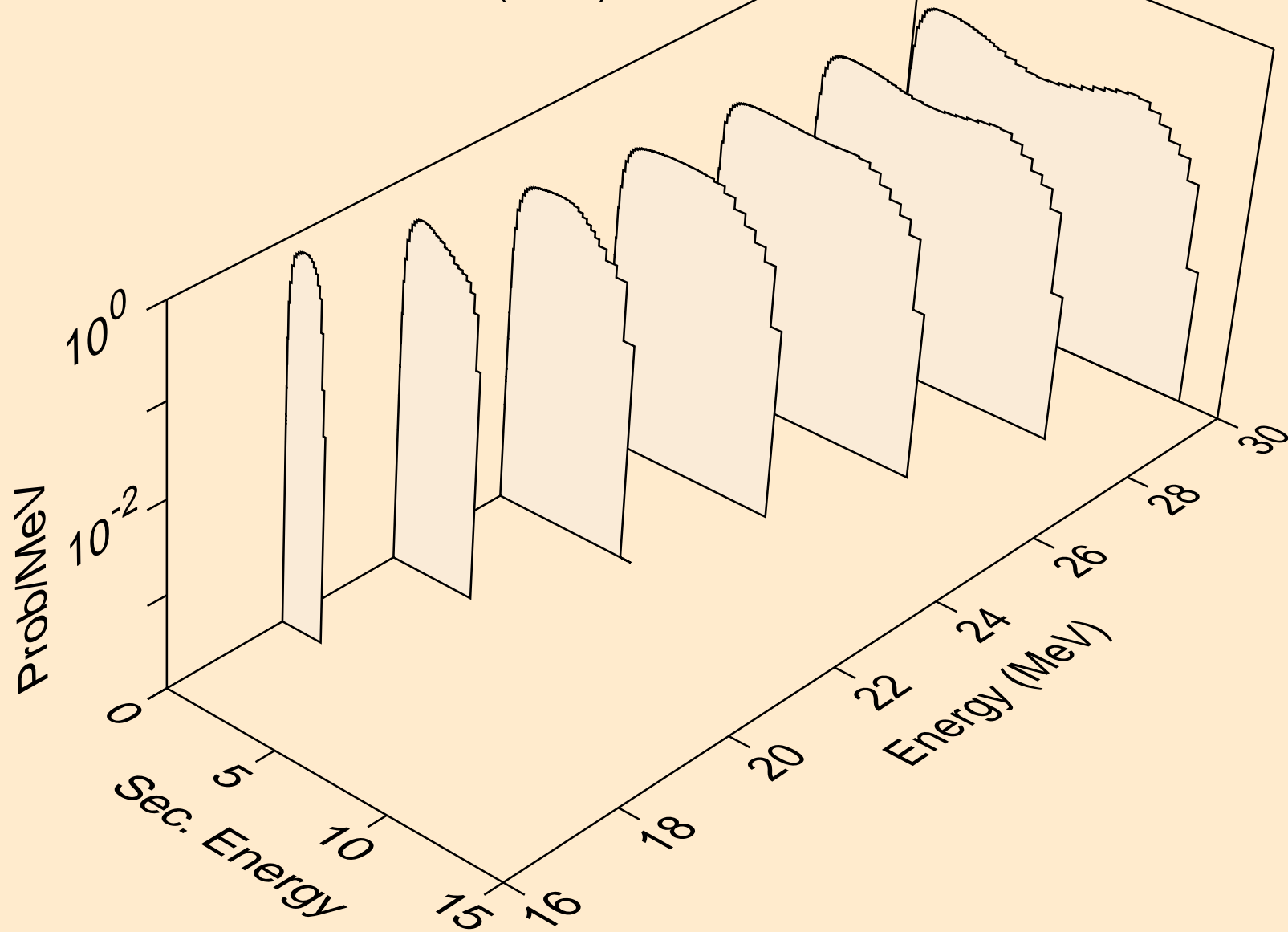
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angular distribution for (n,n\*4)



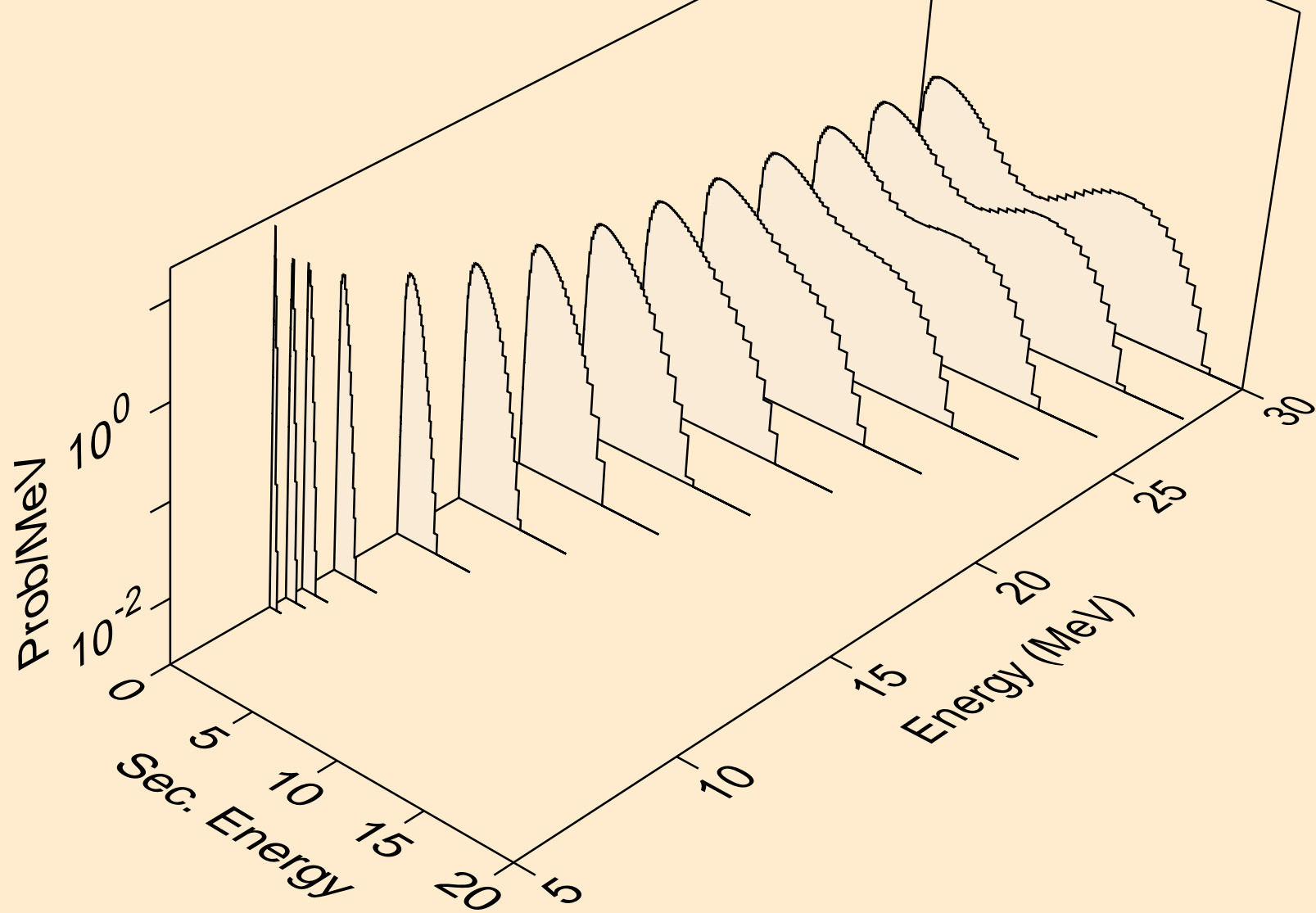
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



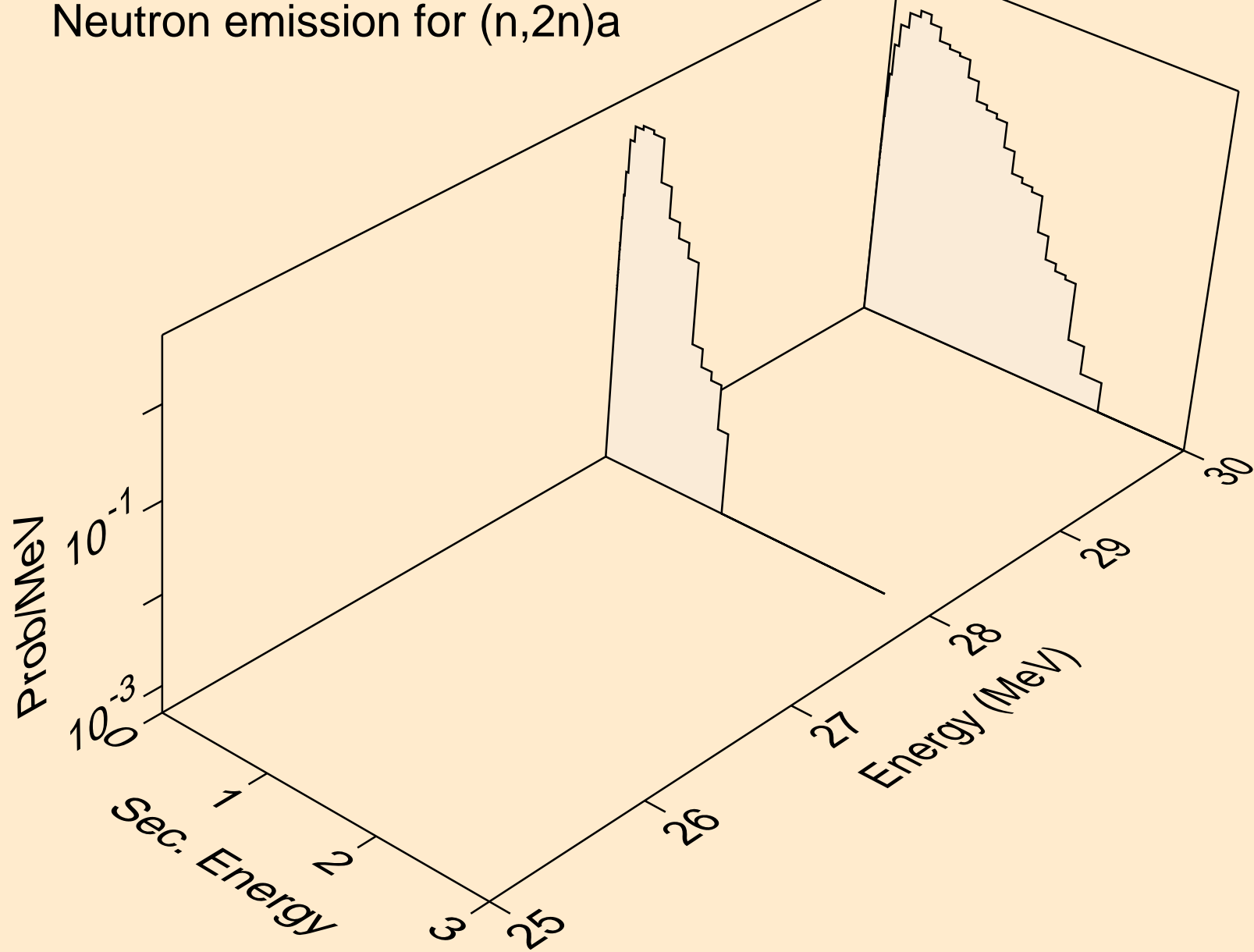
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



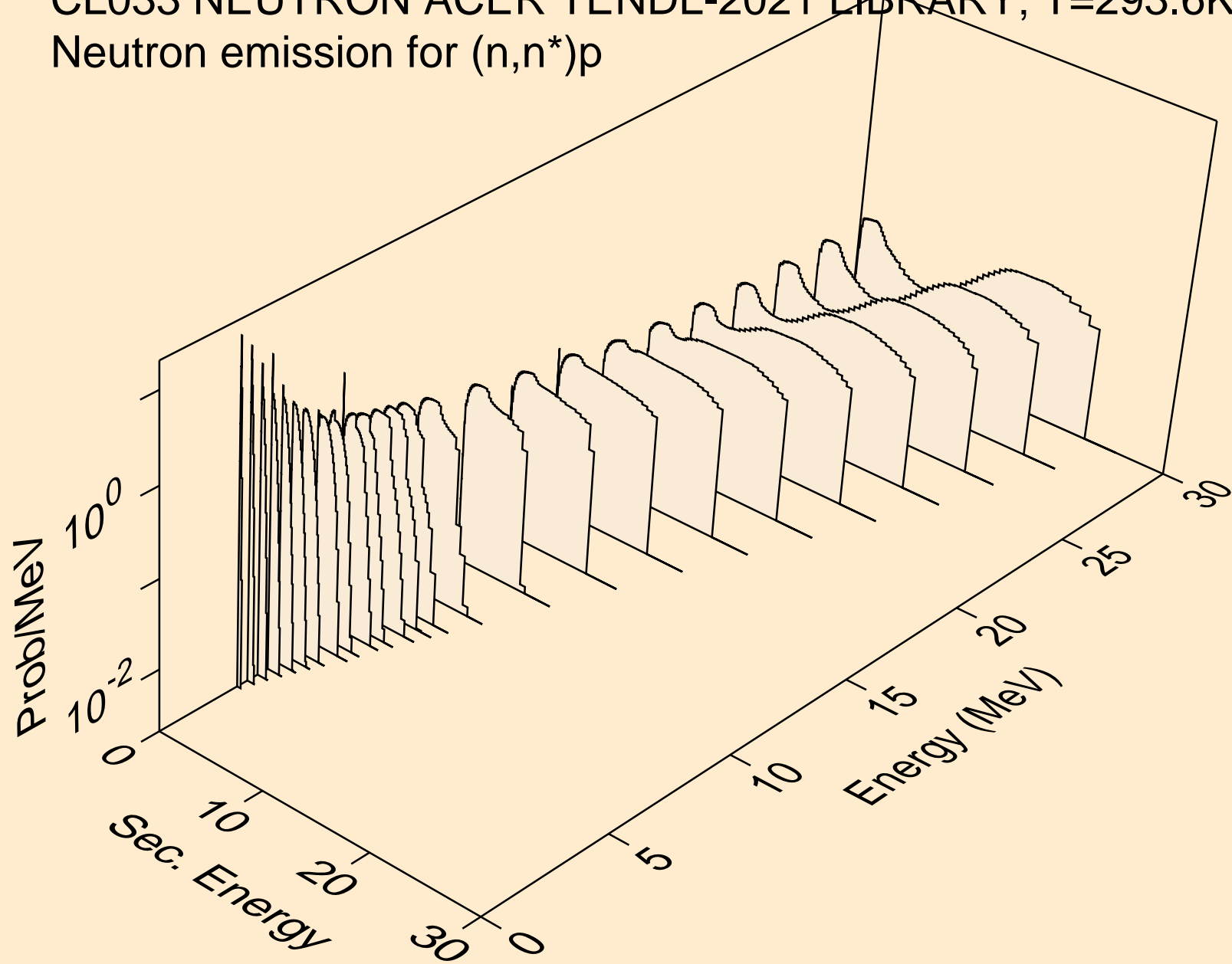
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

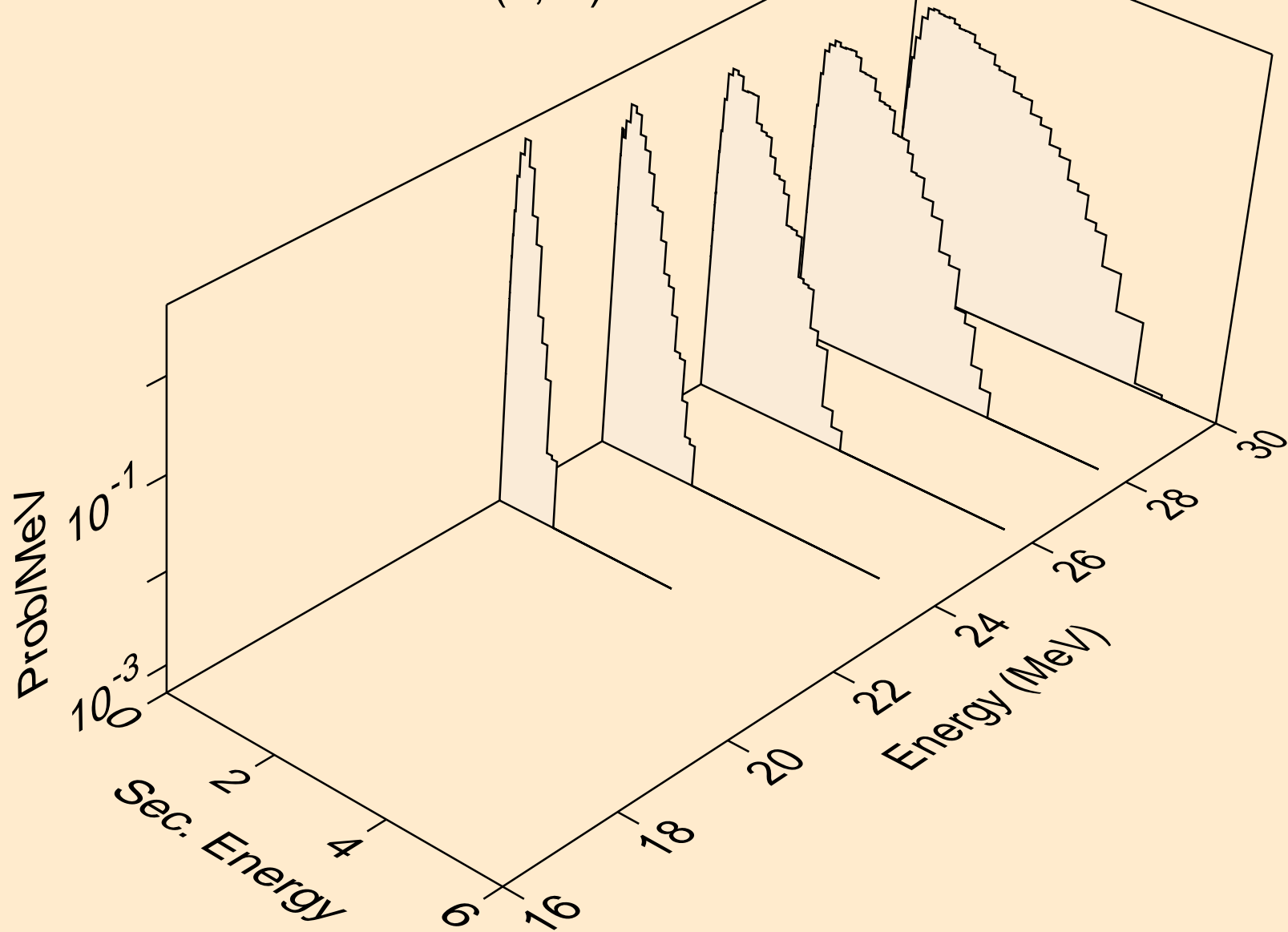


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

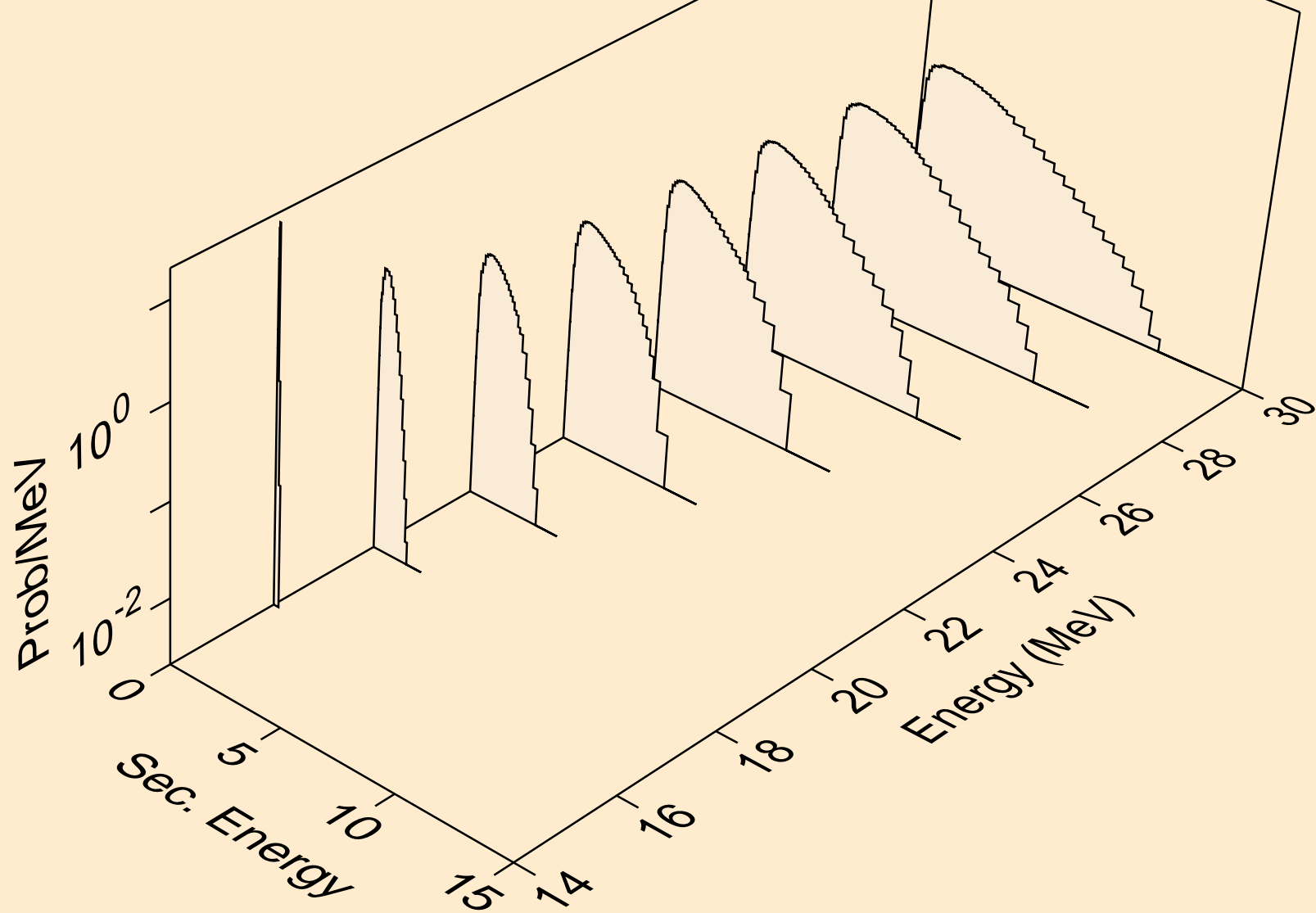




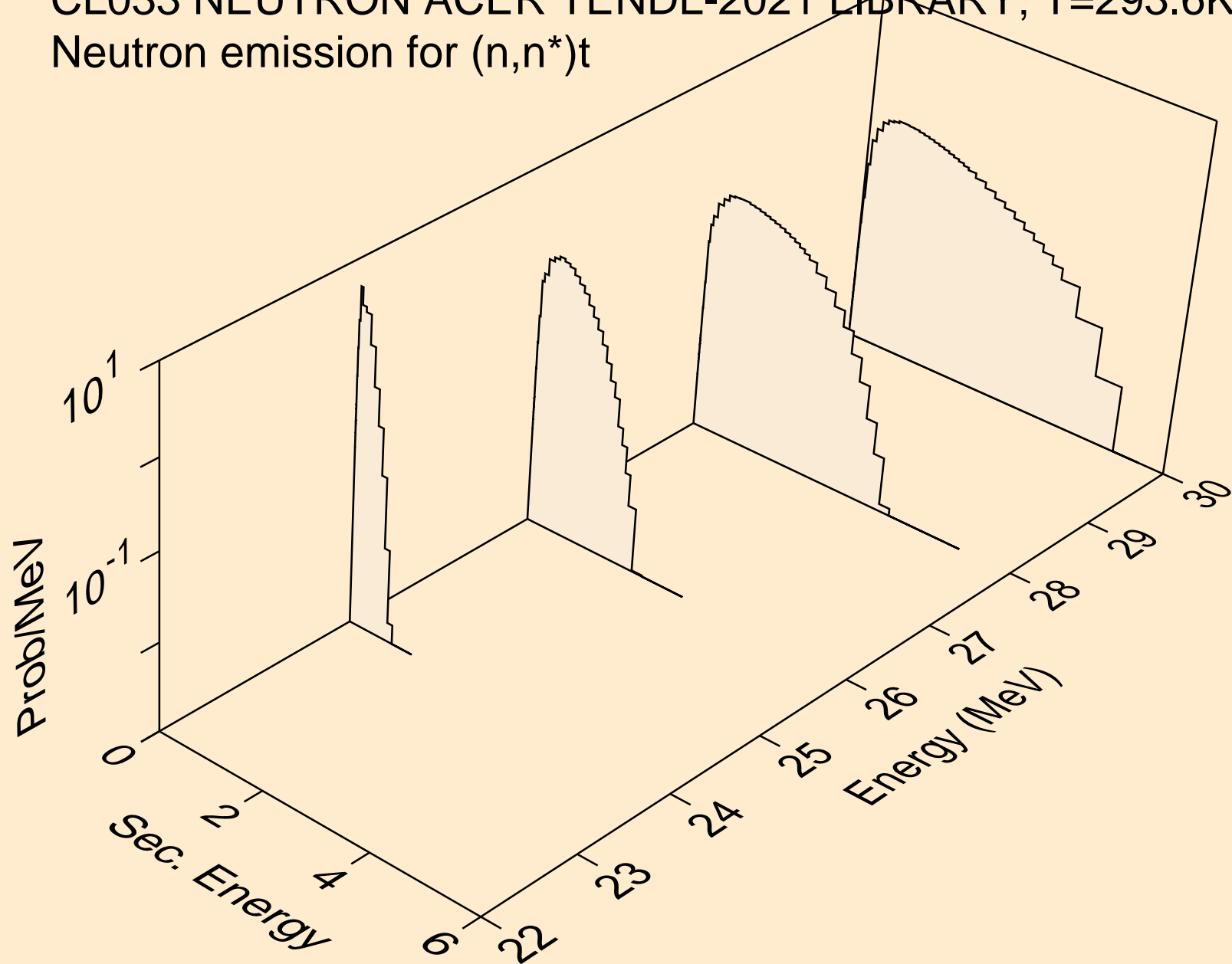
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Neutron emission for (n,n\*)2a



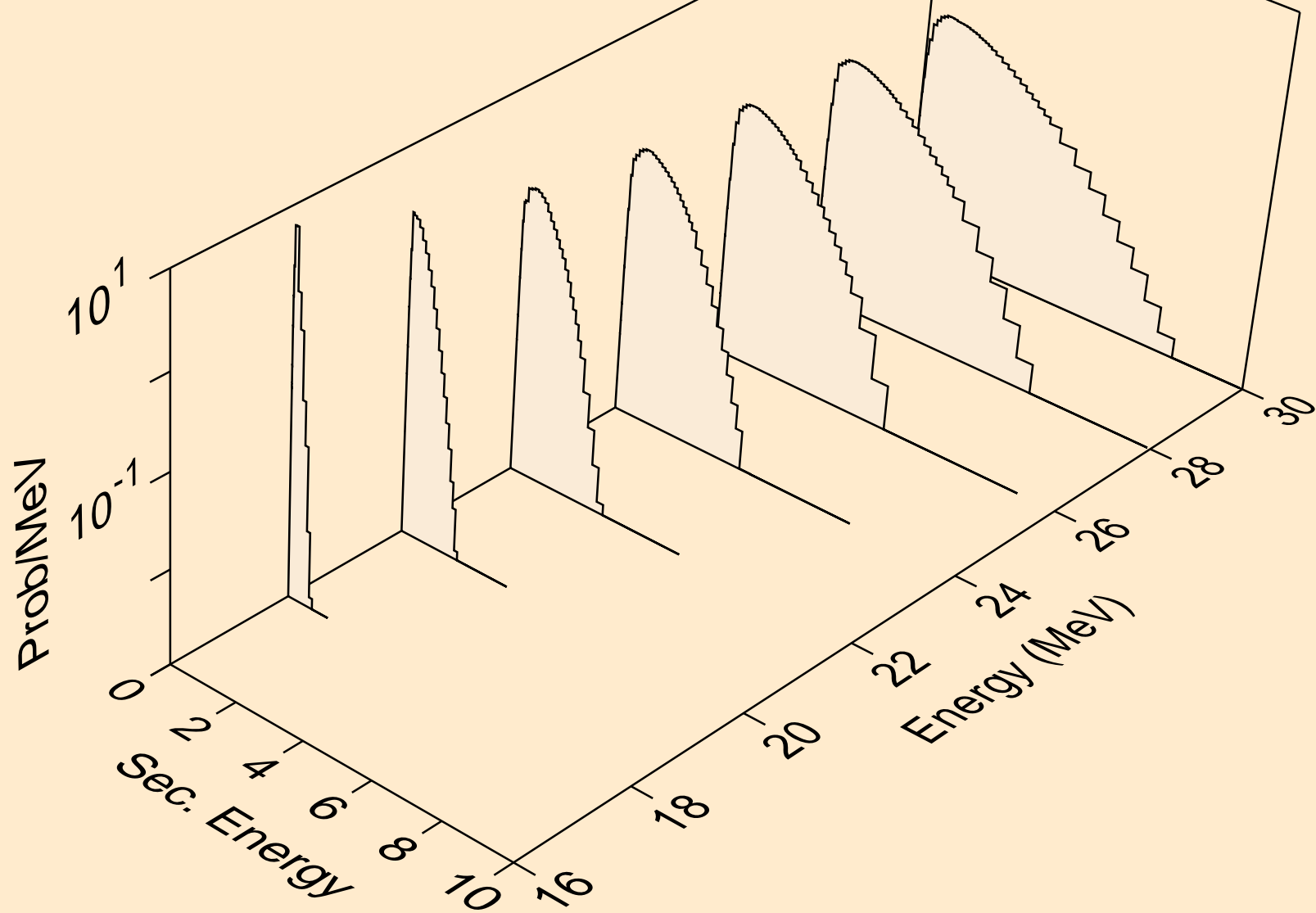
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



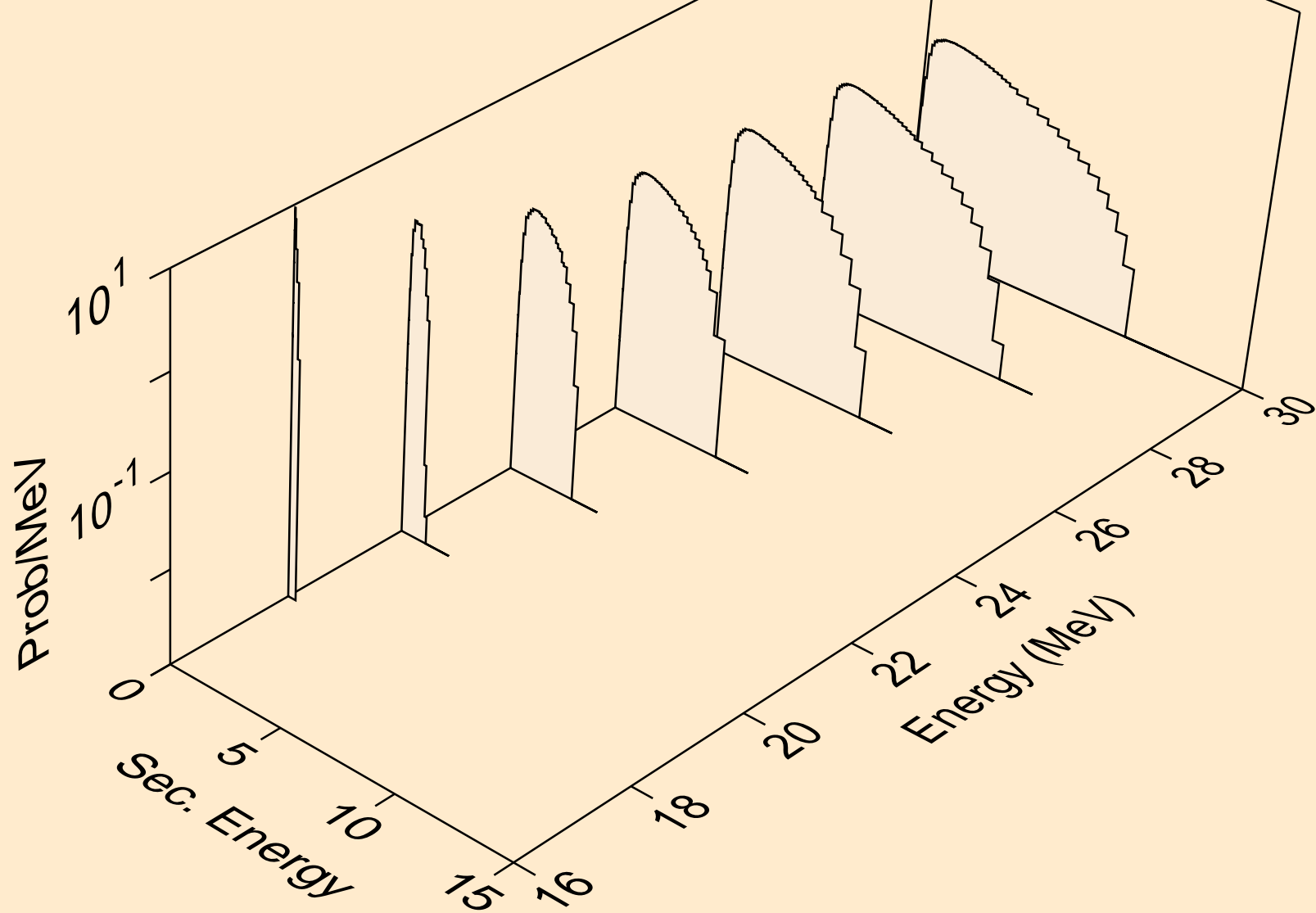
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Neutron emission for (n,n\*)t



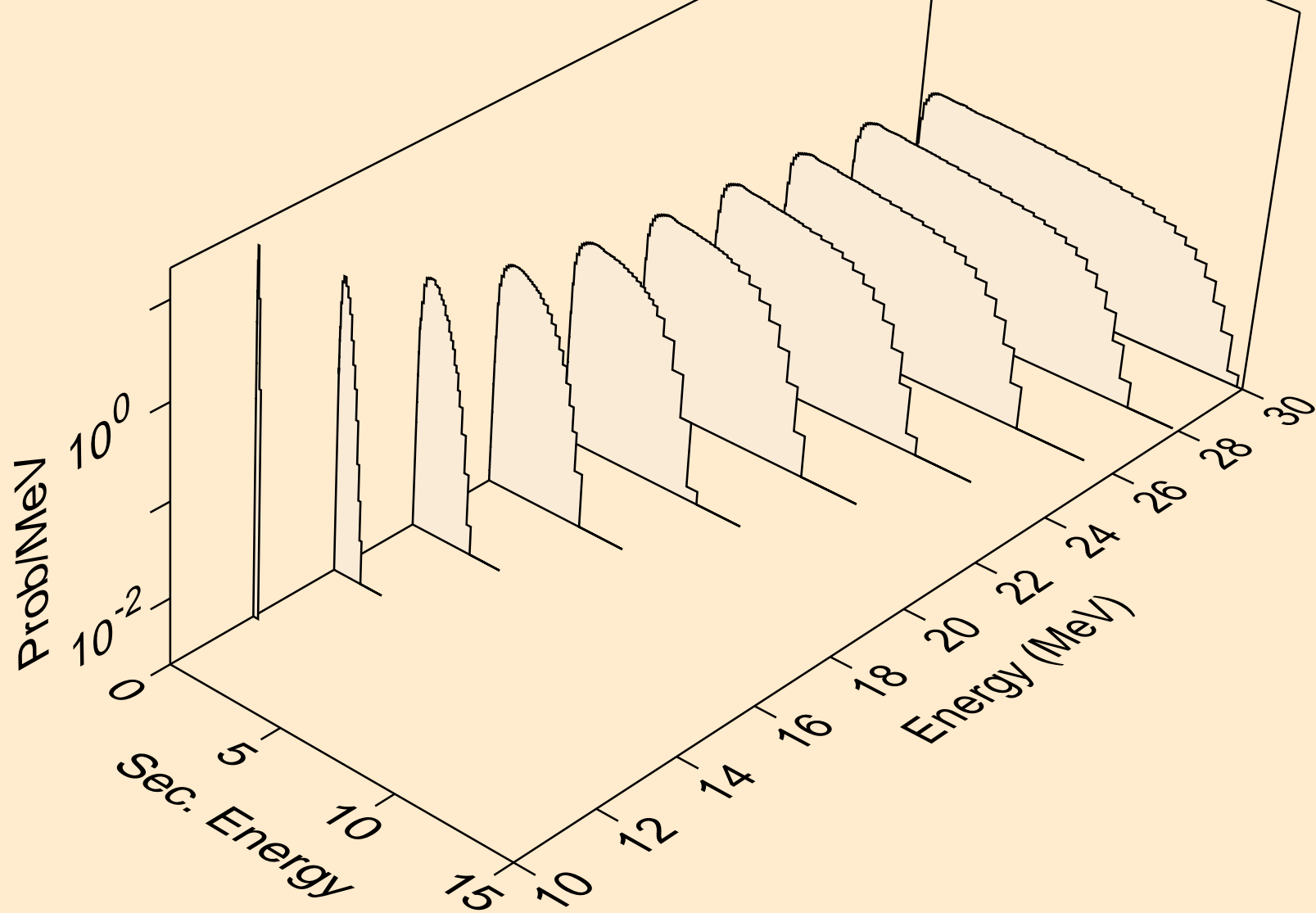
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Neutron emission for (n,n\*)he3



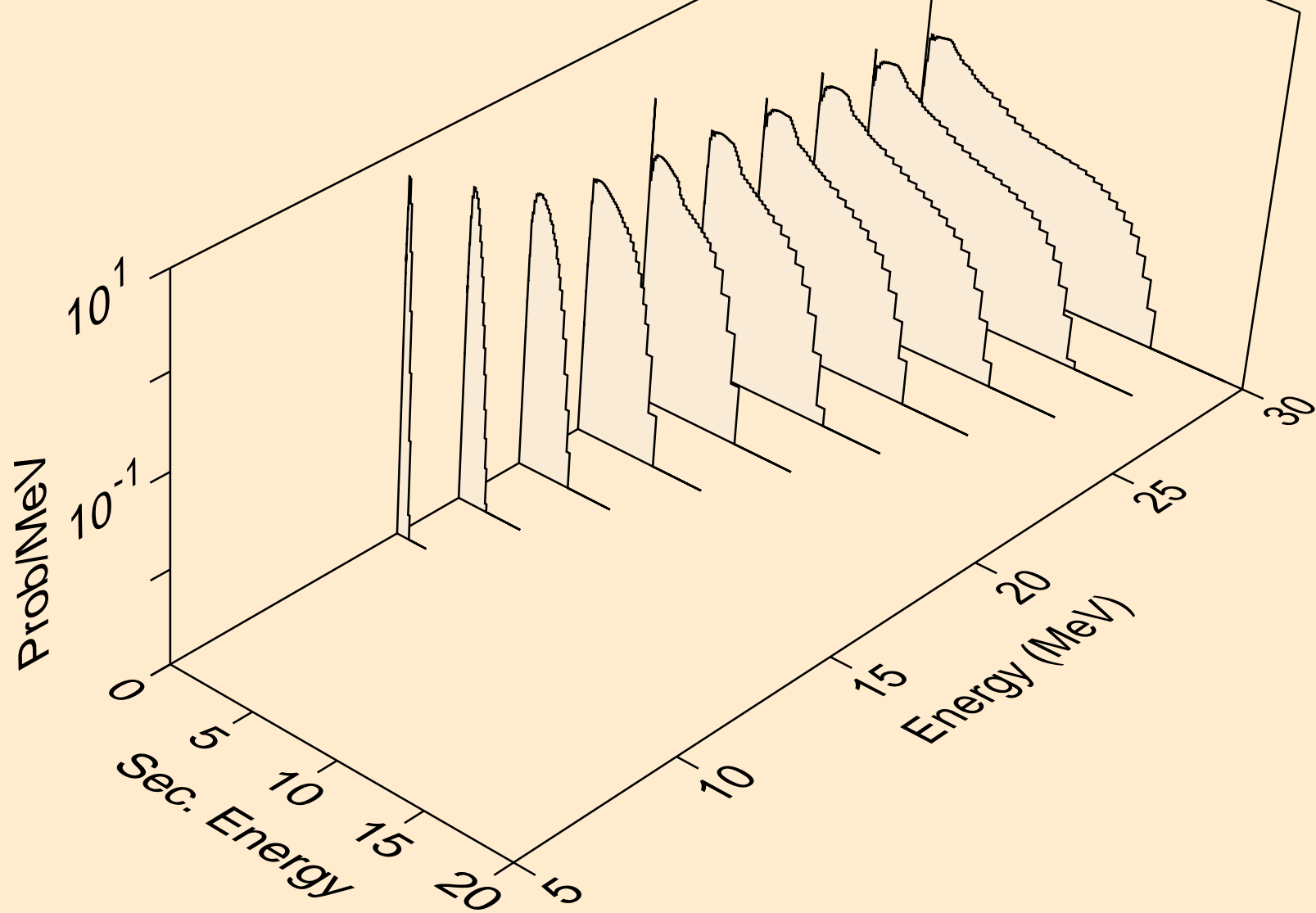
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Neutron emission for (n,2np)



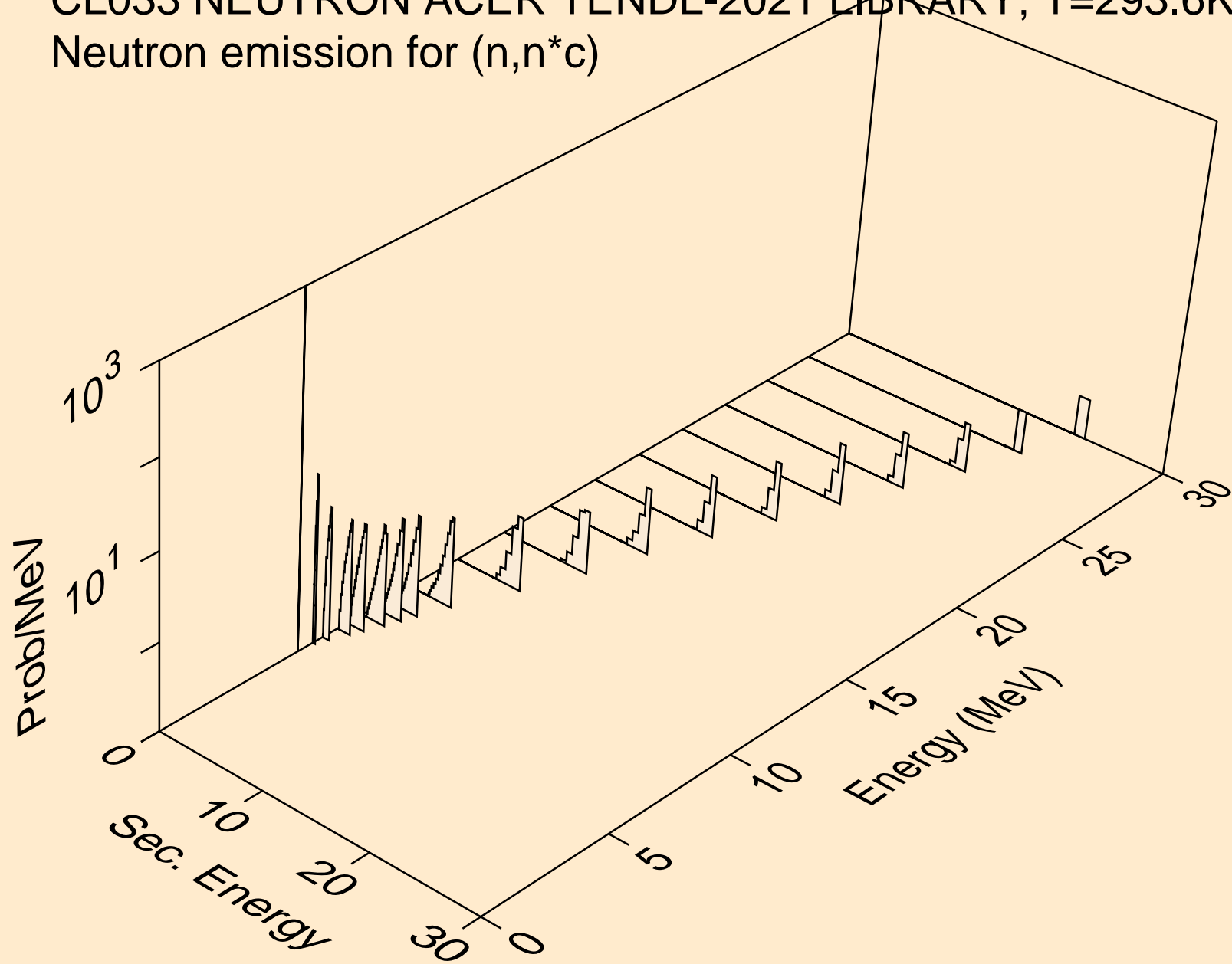
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Neutron emission for (n,2np)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

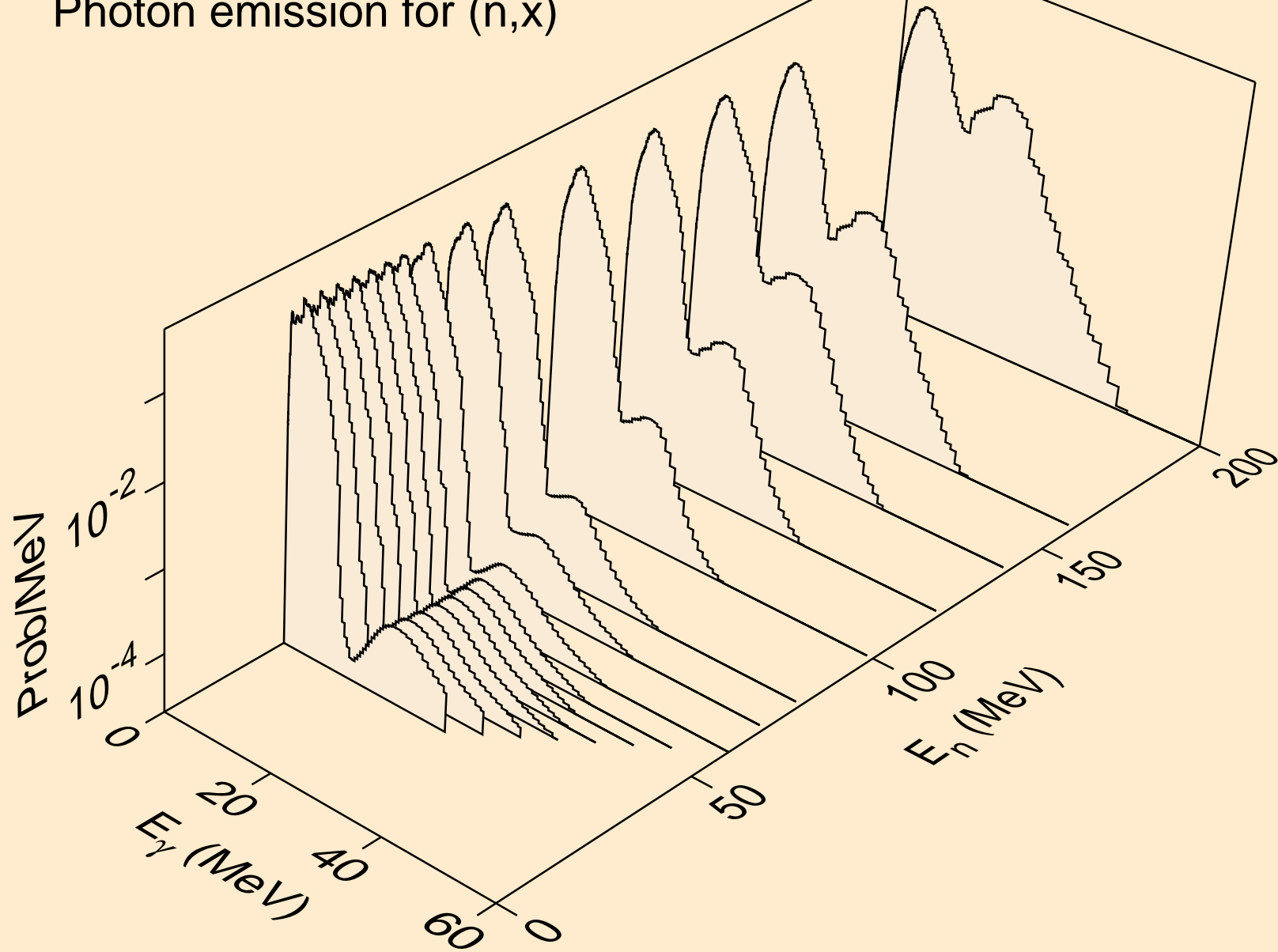


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

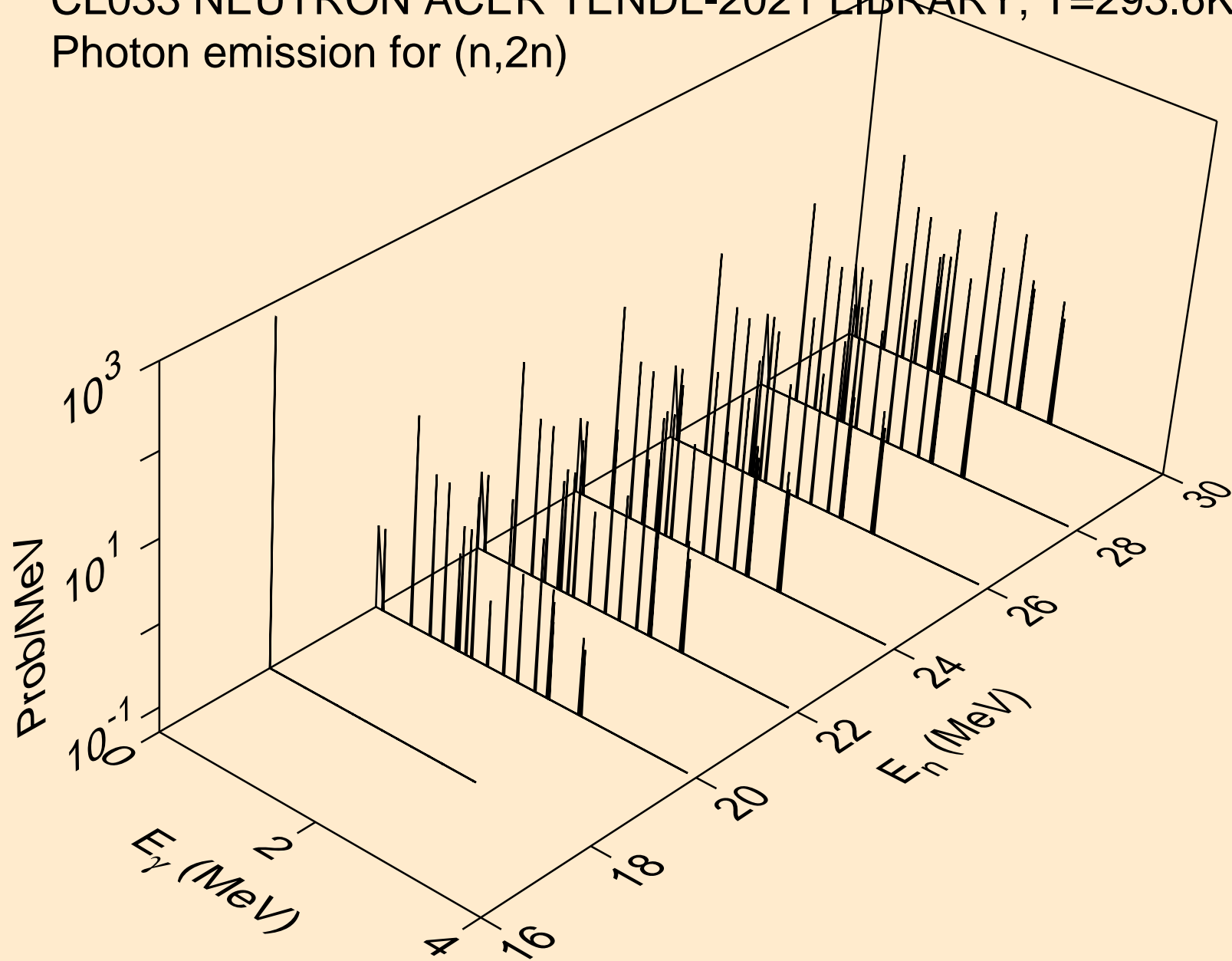




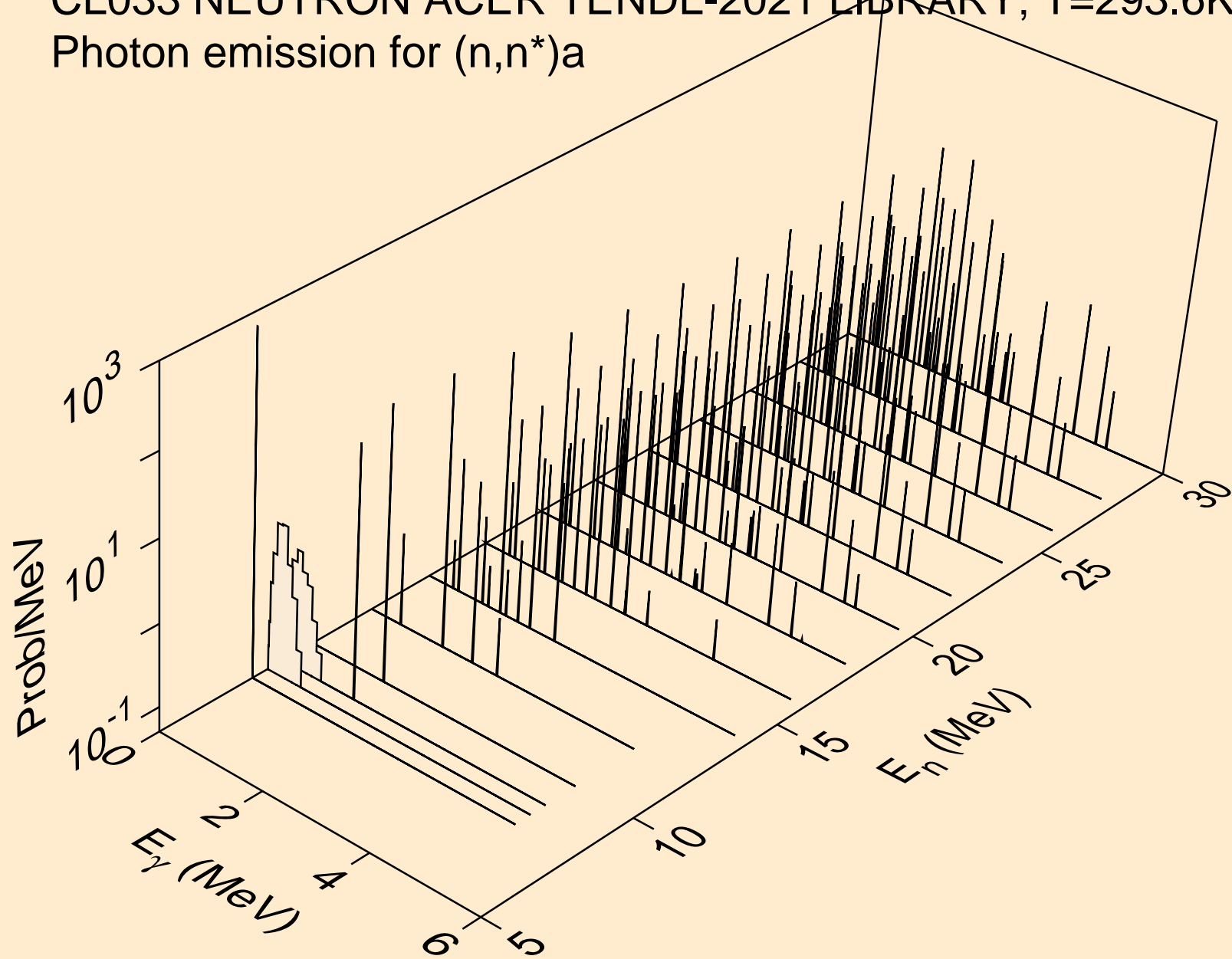
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



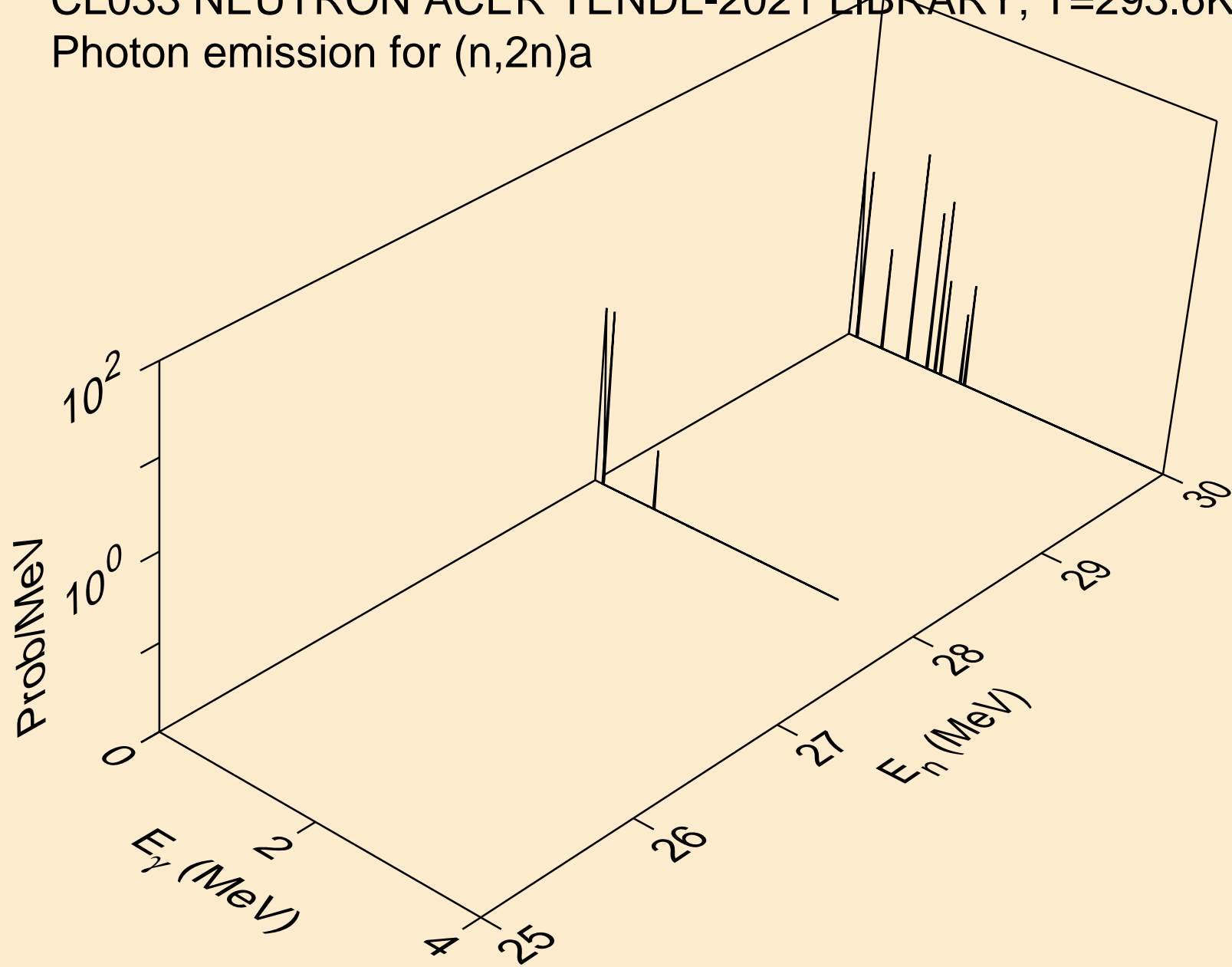
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Photon emission for (n,2n)



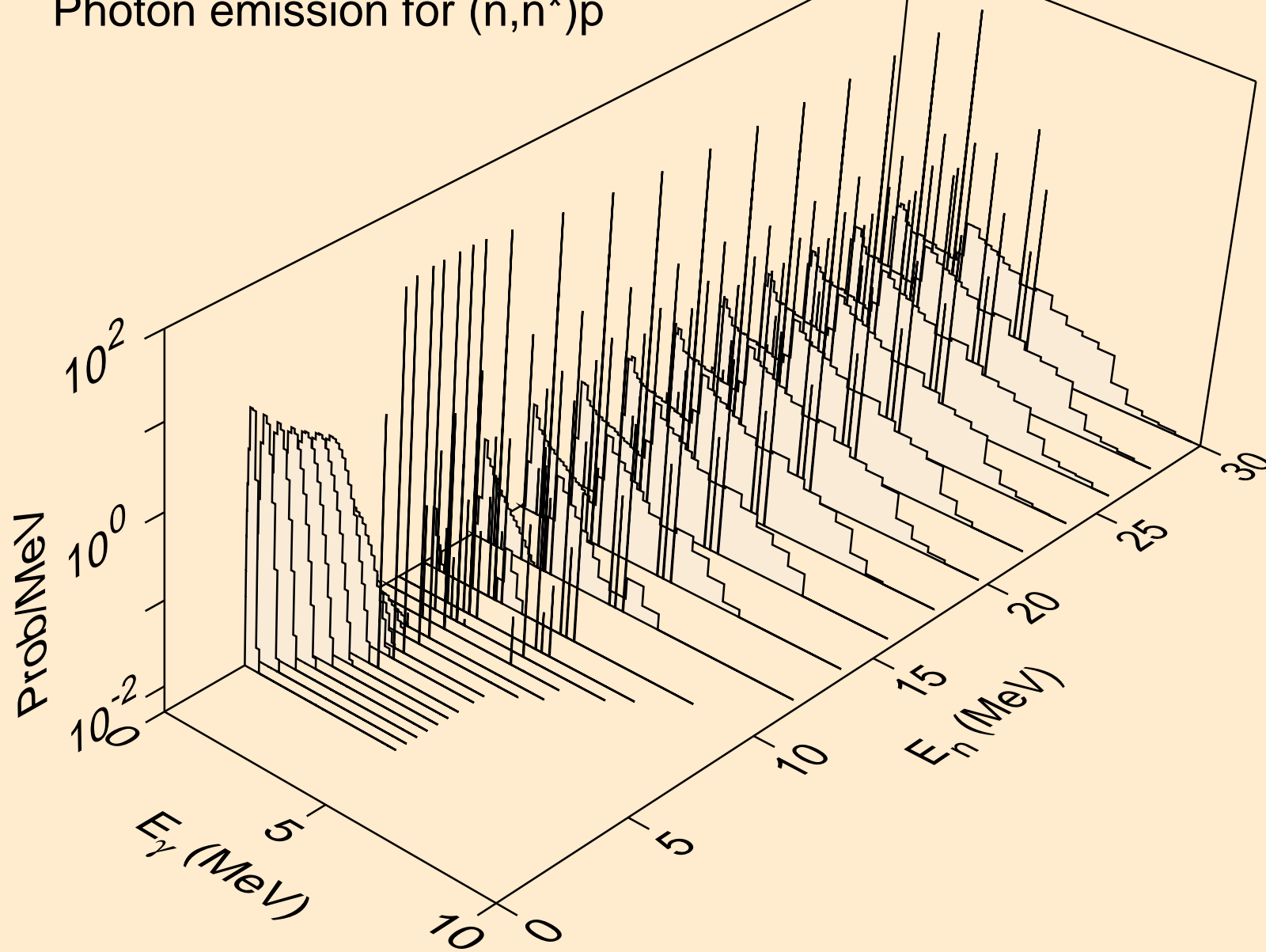
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Photon emission for (n,n\*)a



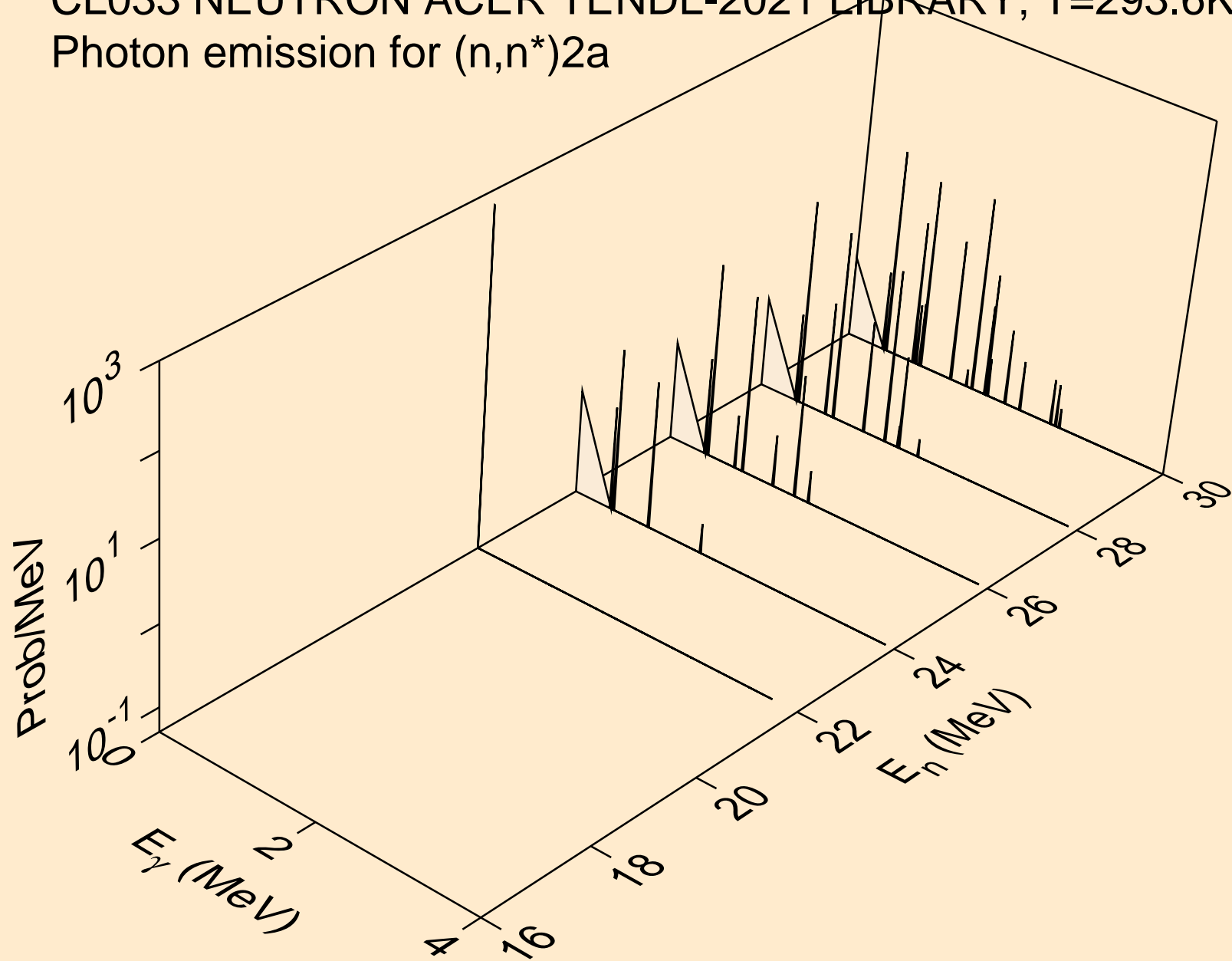
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Photon emission for (n,2n)a



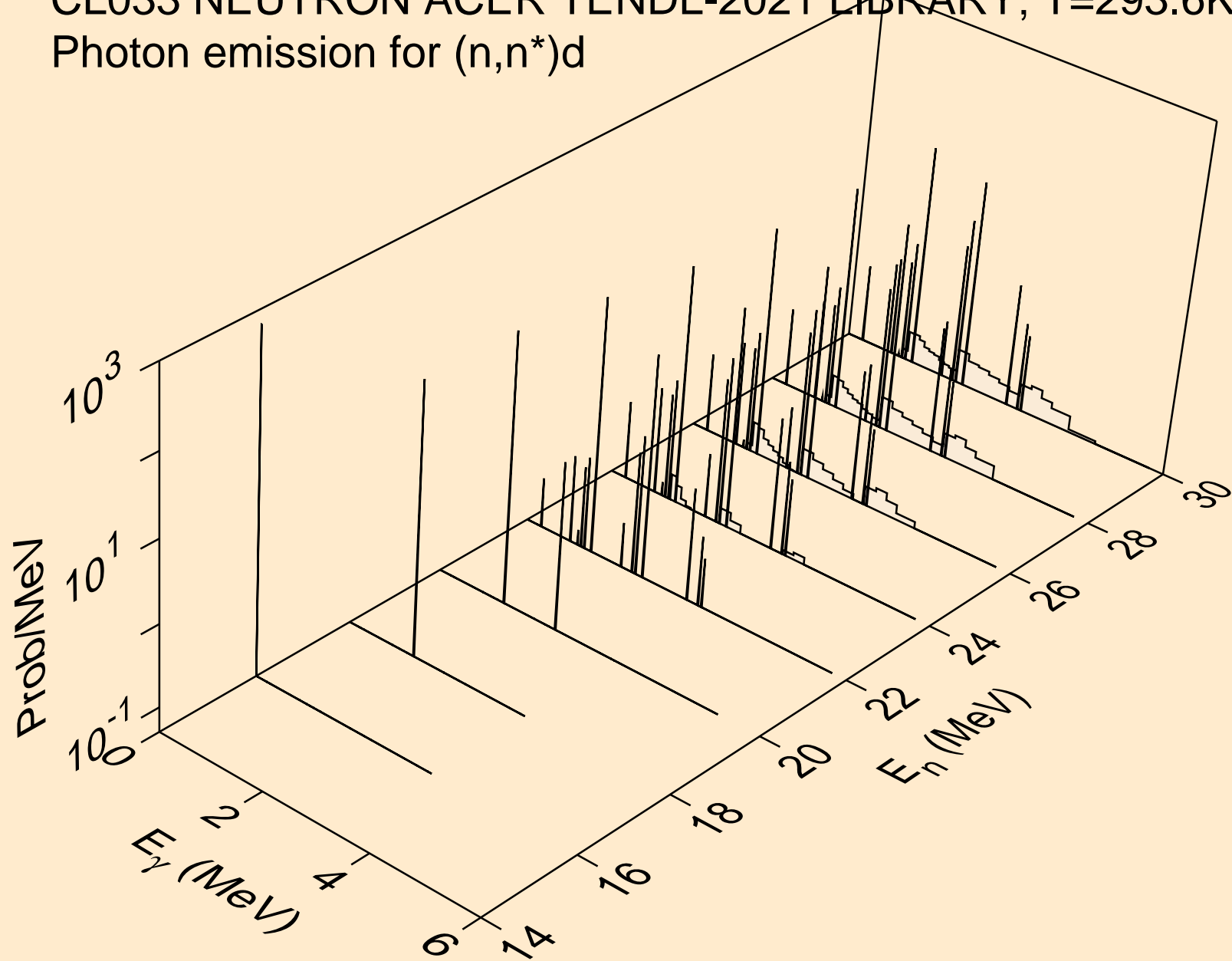
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Photon emission for (n,n\*)p



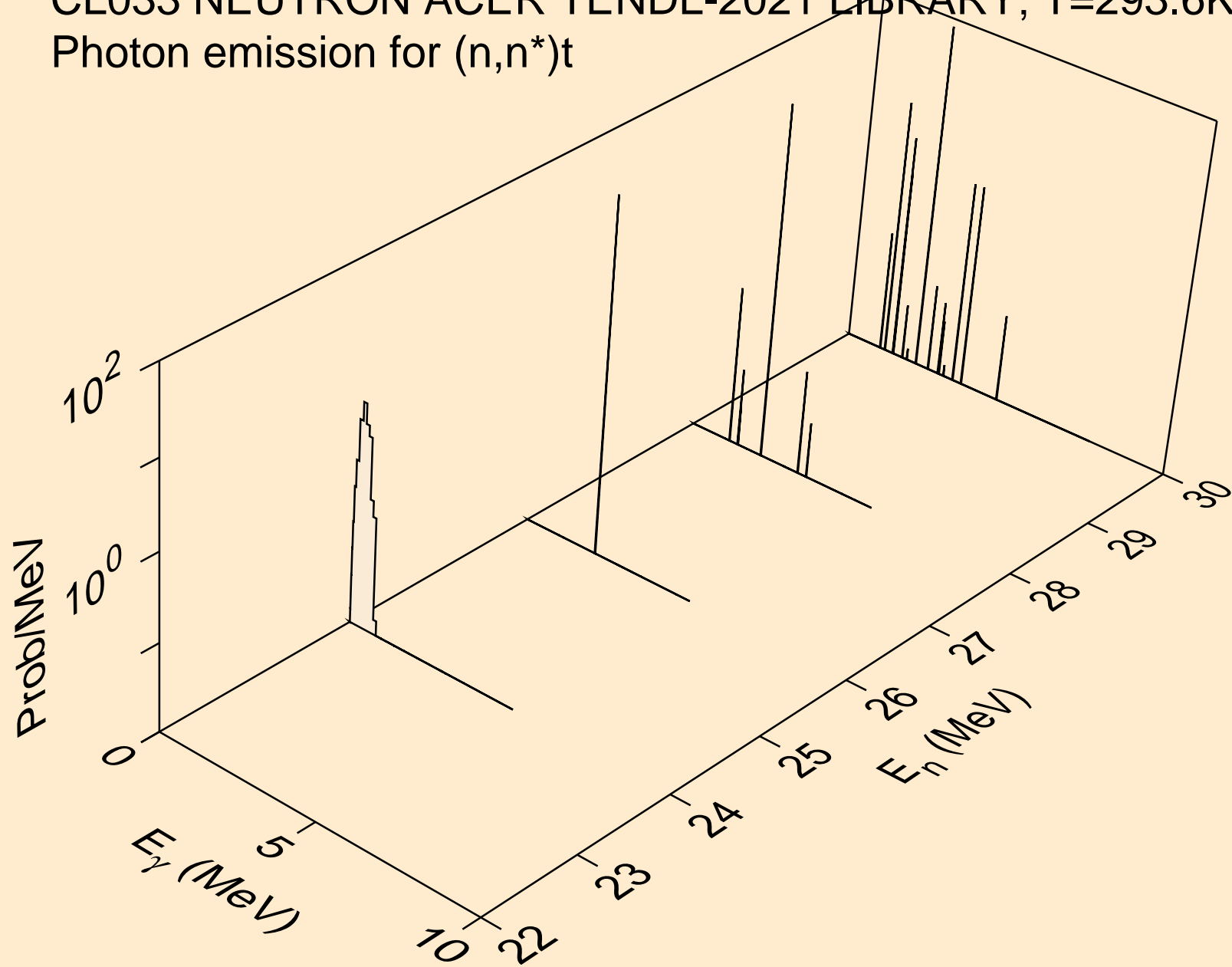
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

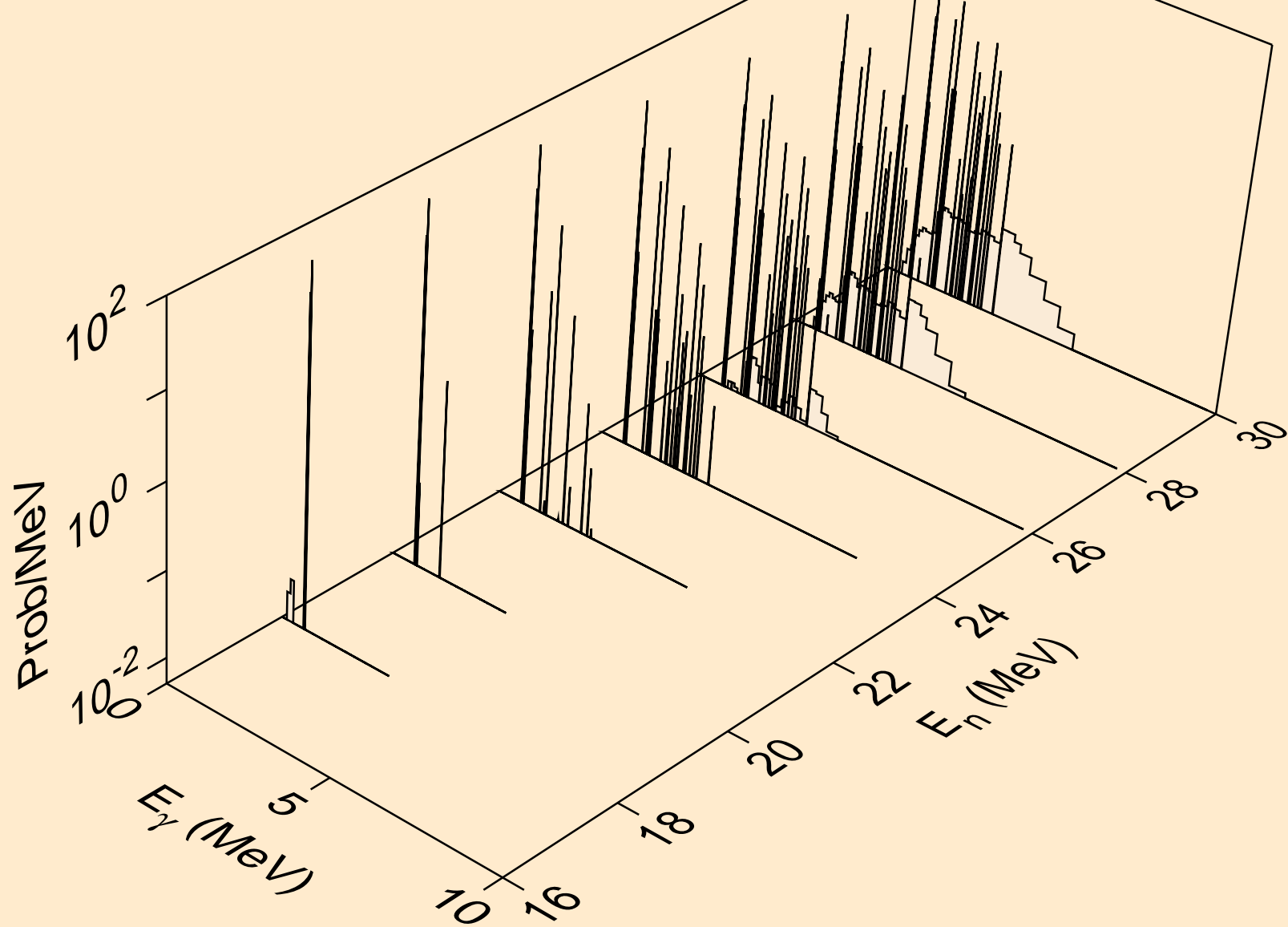


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Photon emission for (n,n\*)t

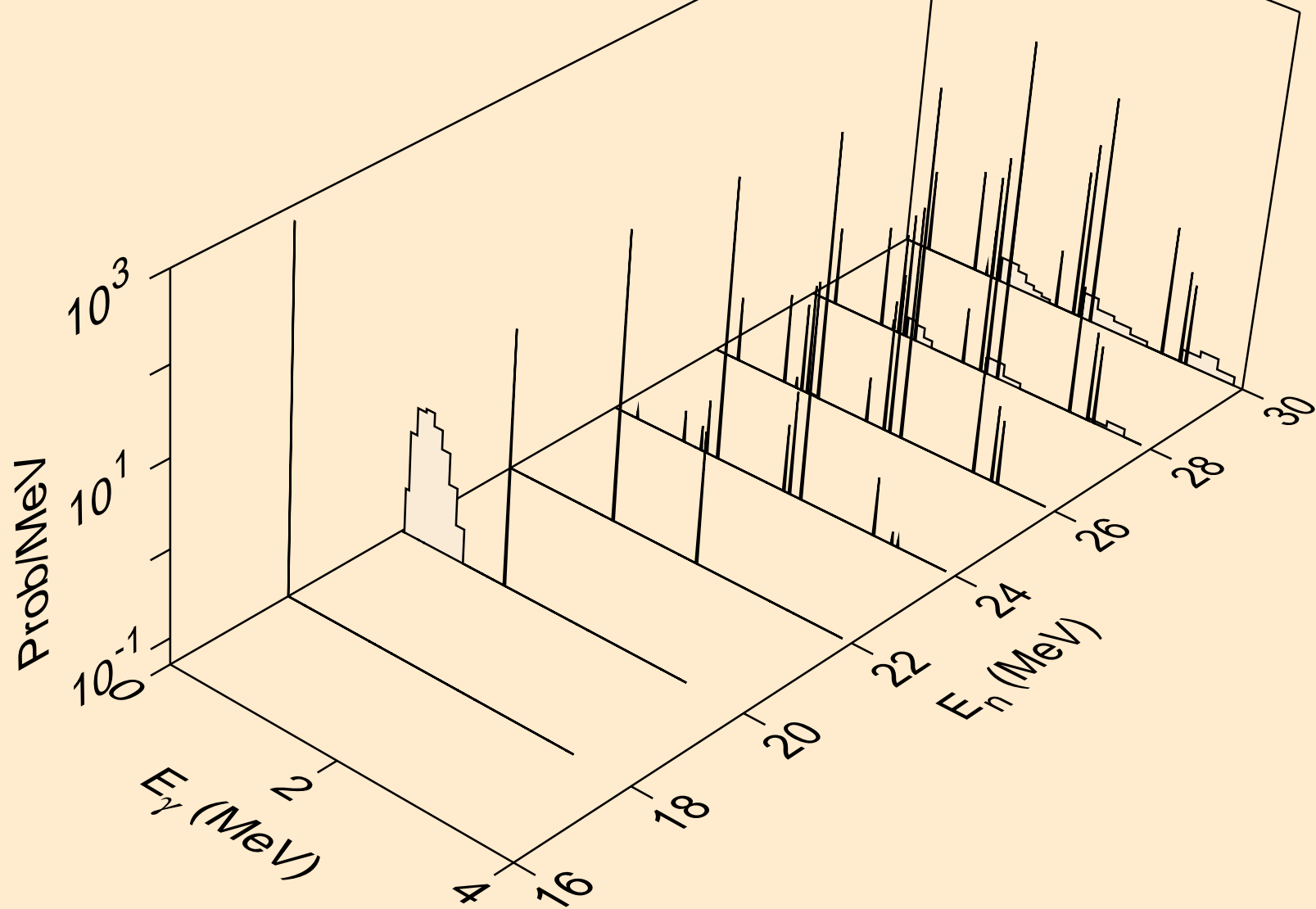




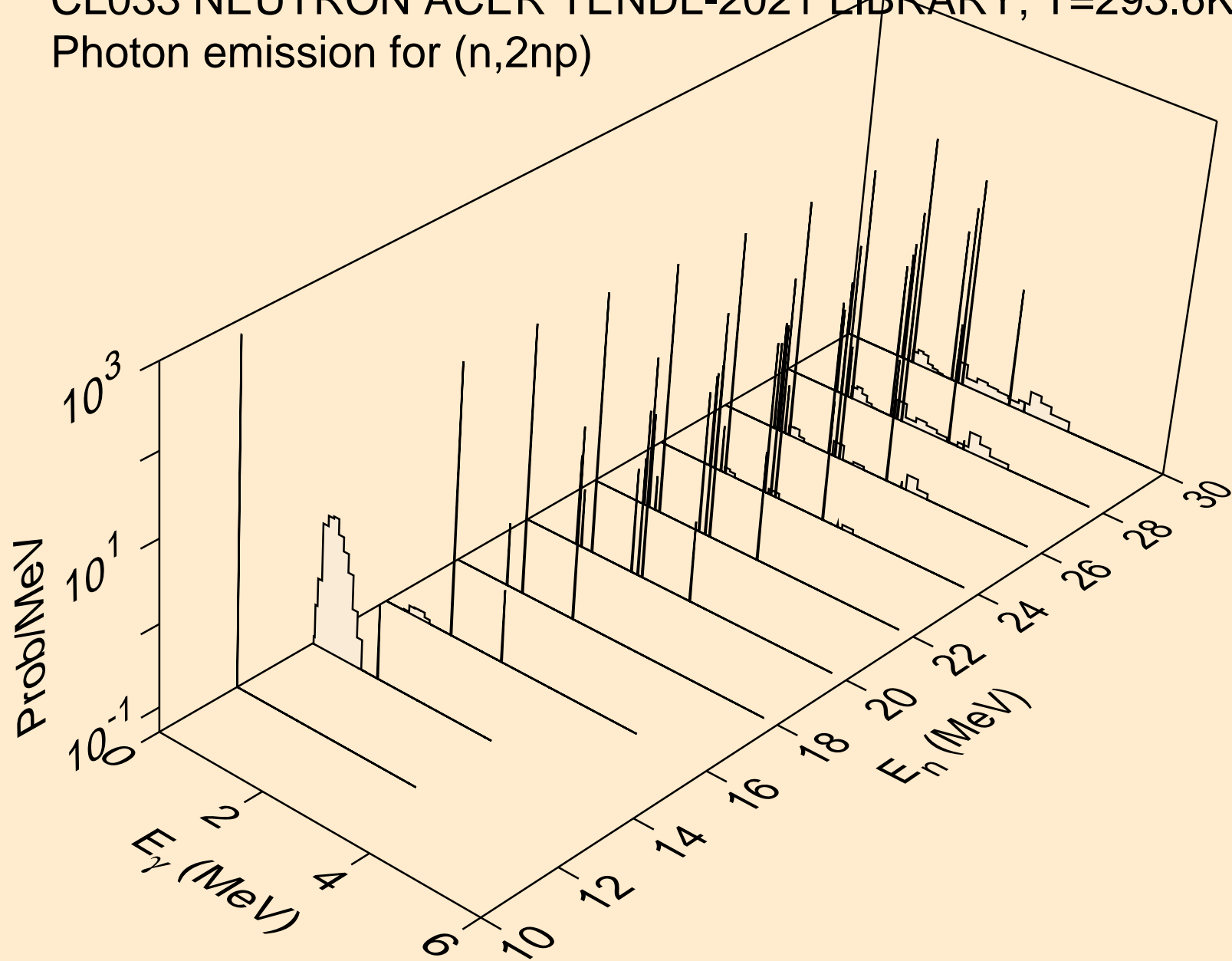
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



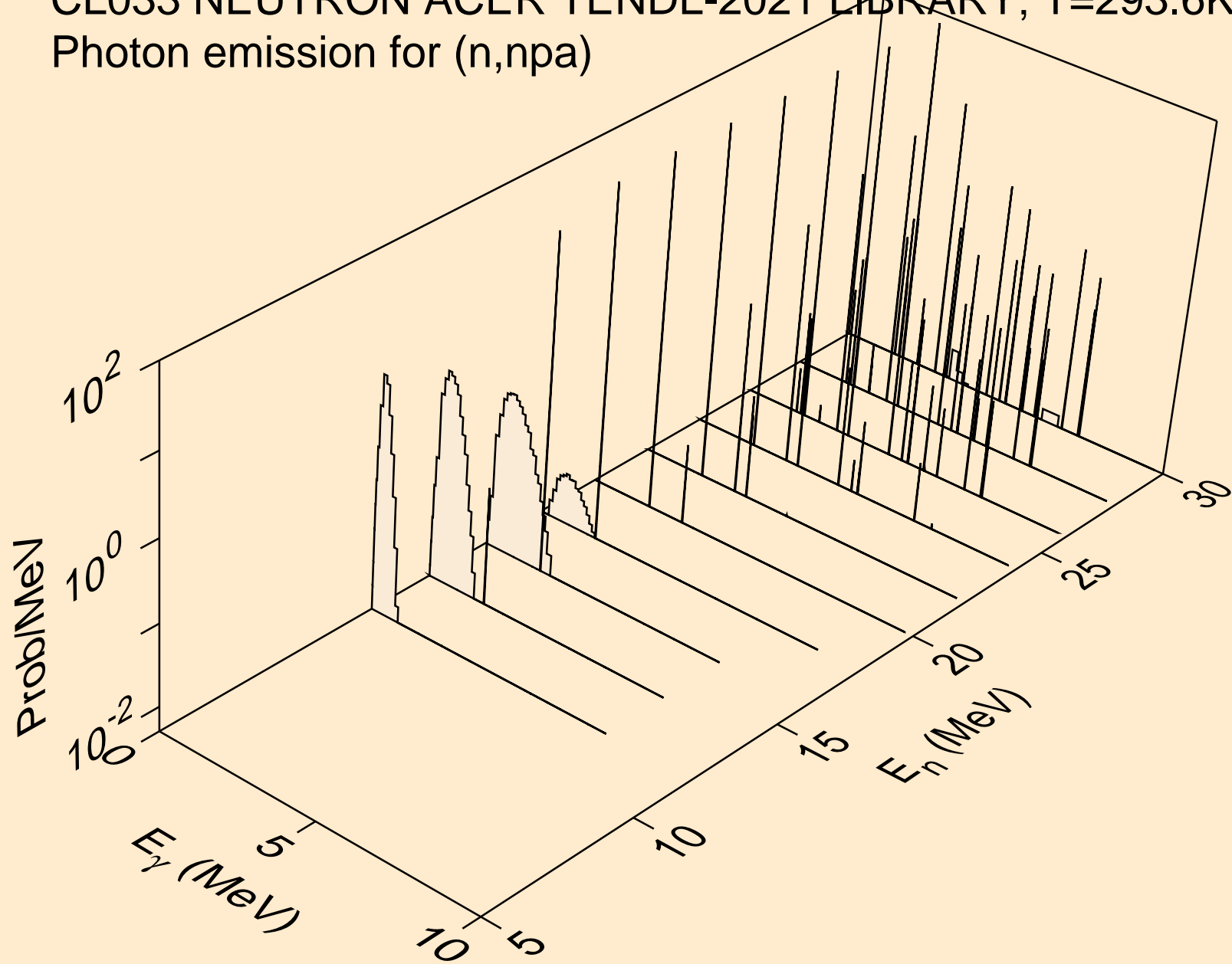
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Photon emission for (n,2np)



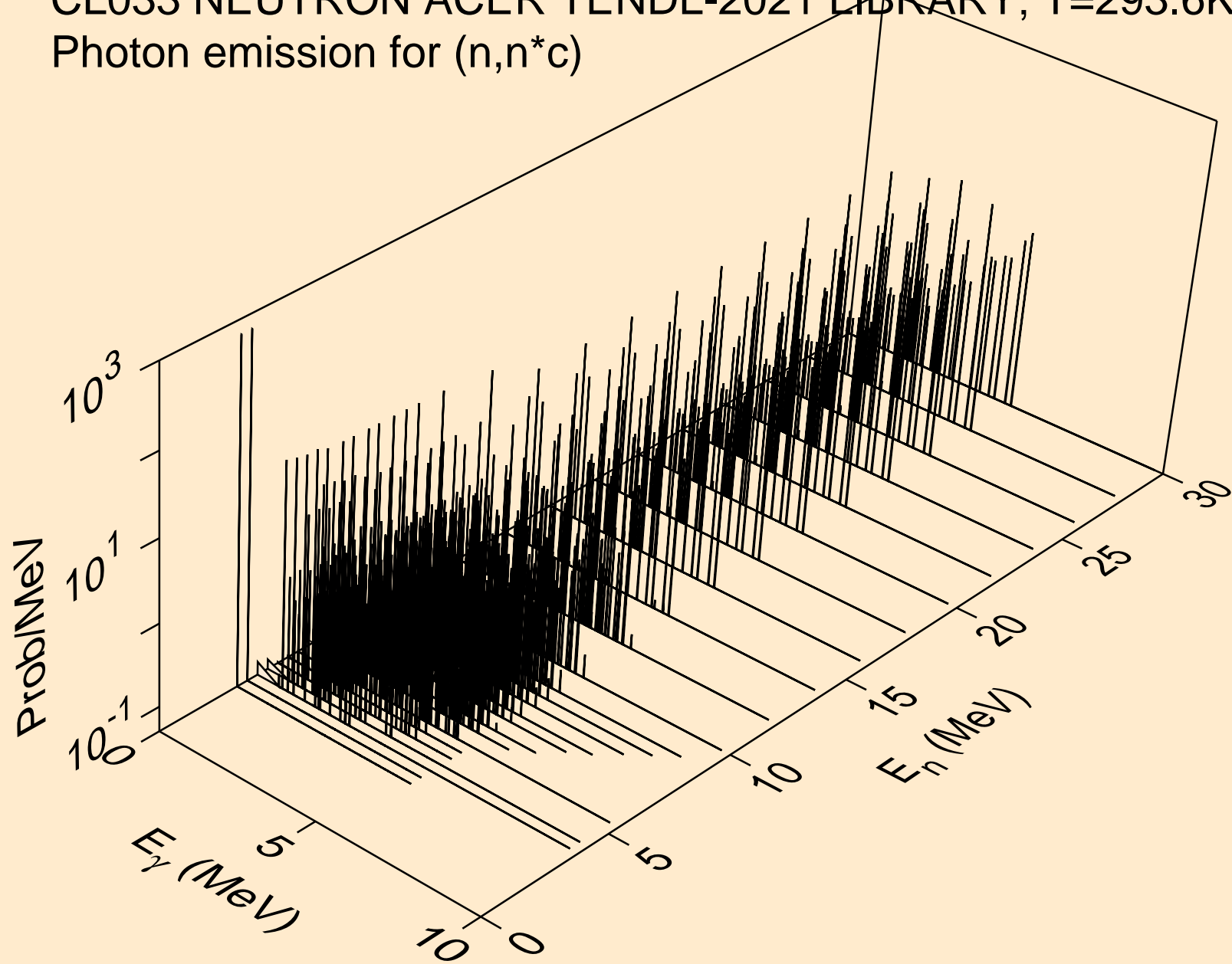
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Photon emission for (n,2np)



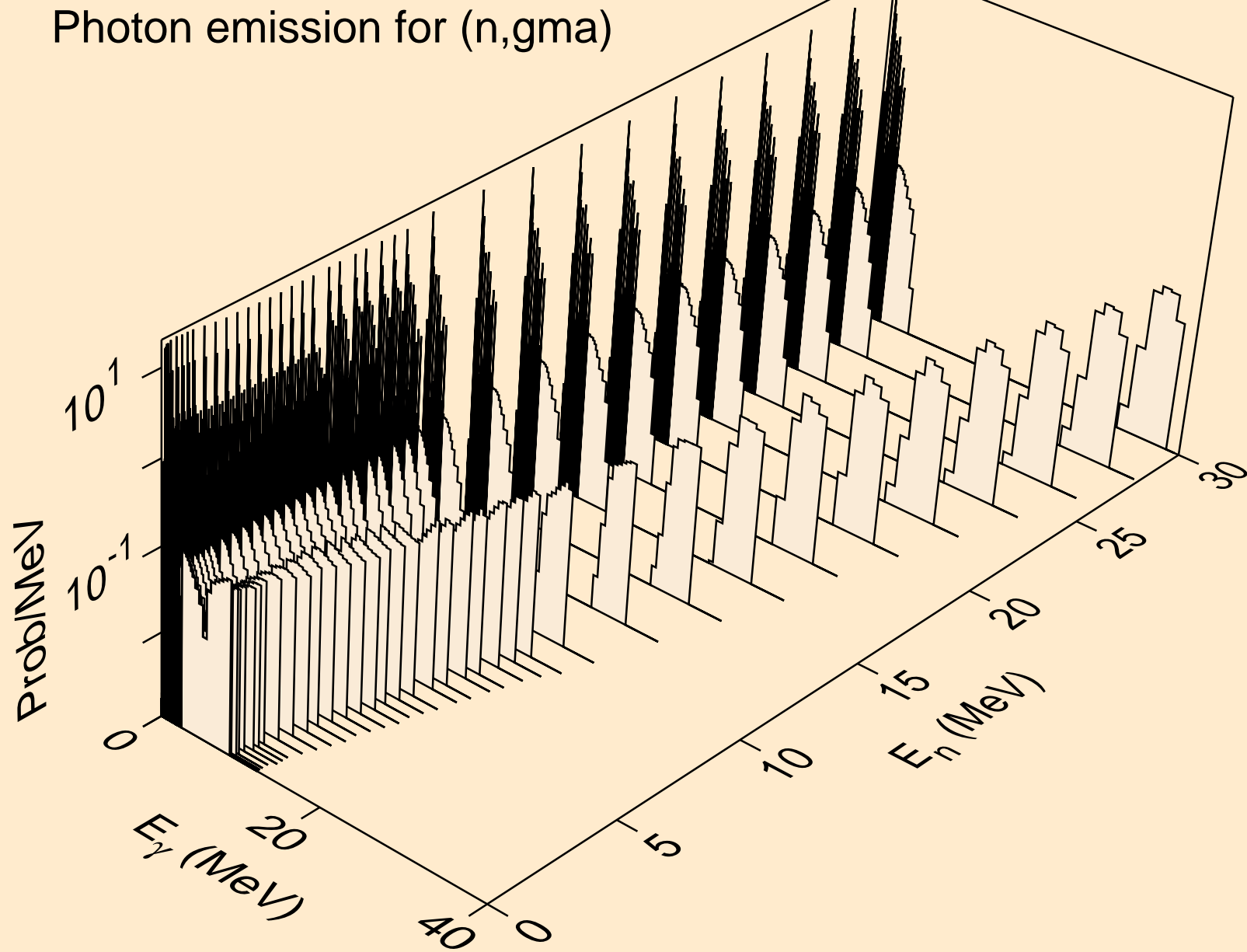
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Photon emission for (n,npa)



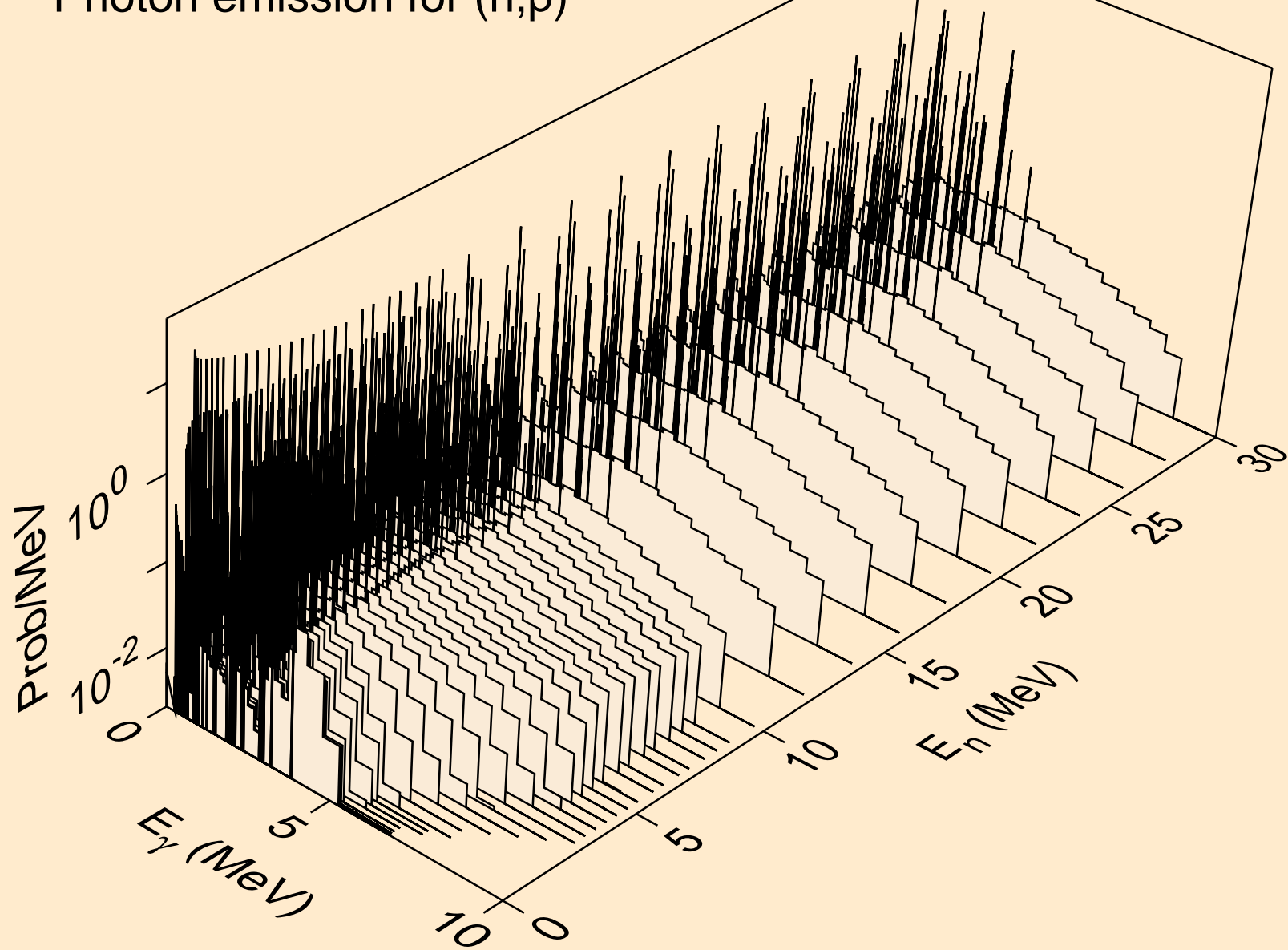
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Photon emission for (n,n\*c)



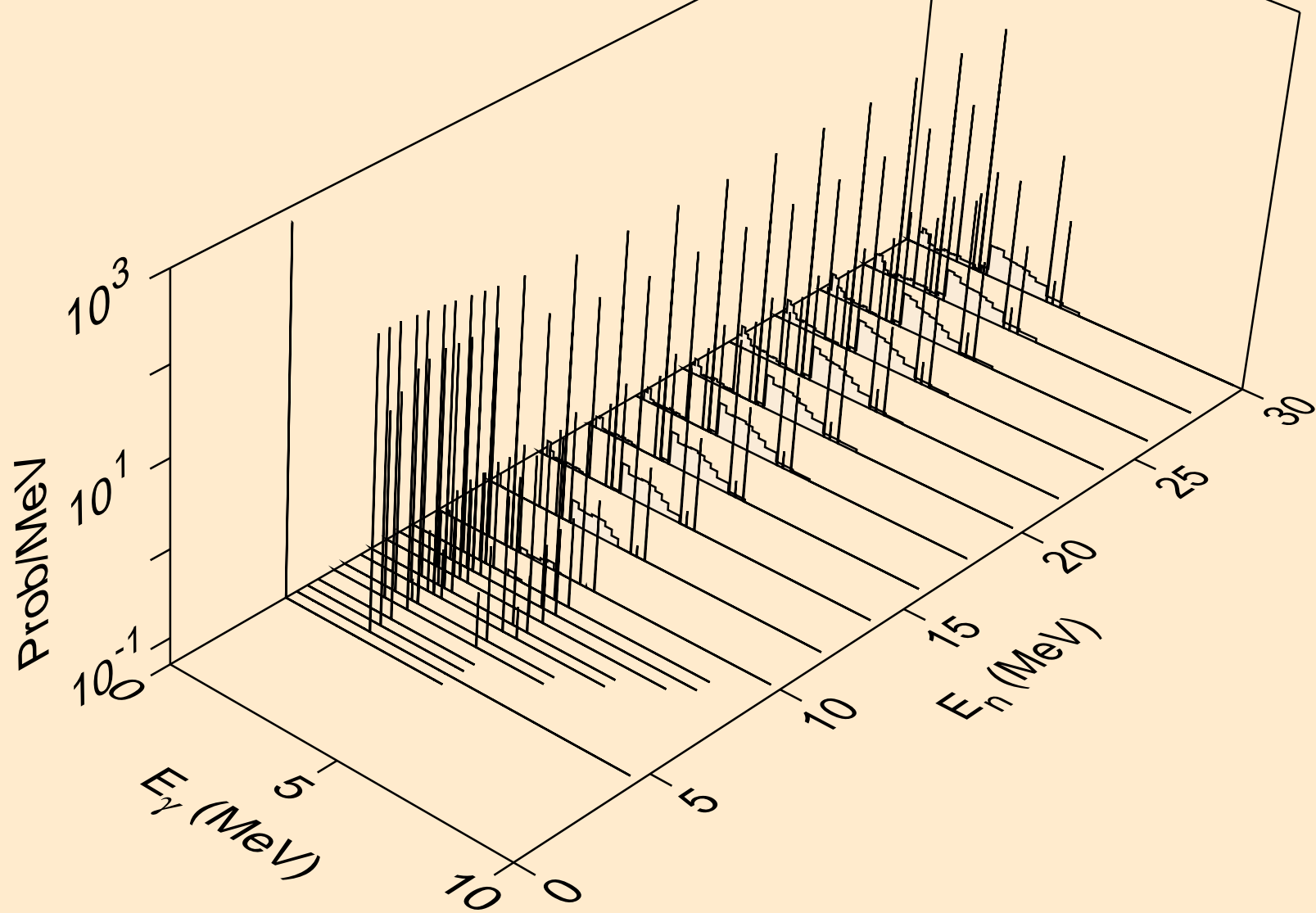
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

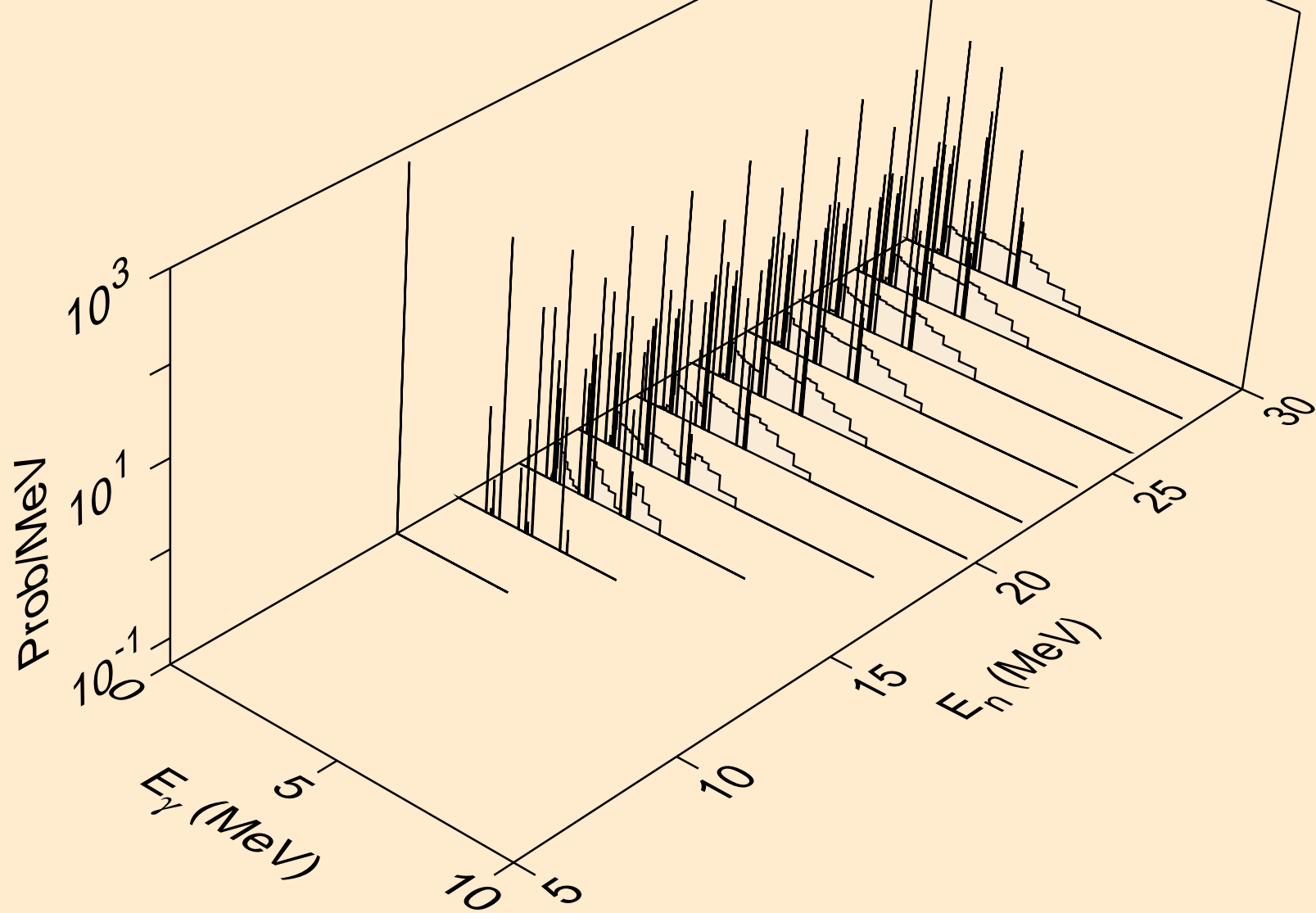


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Photon emission for (n,d)

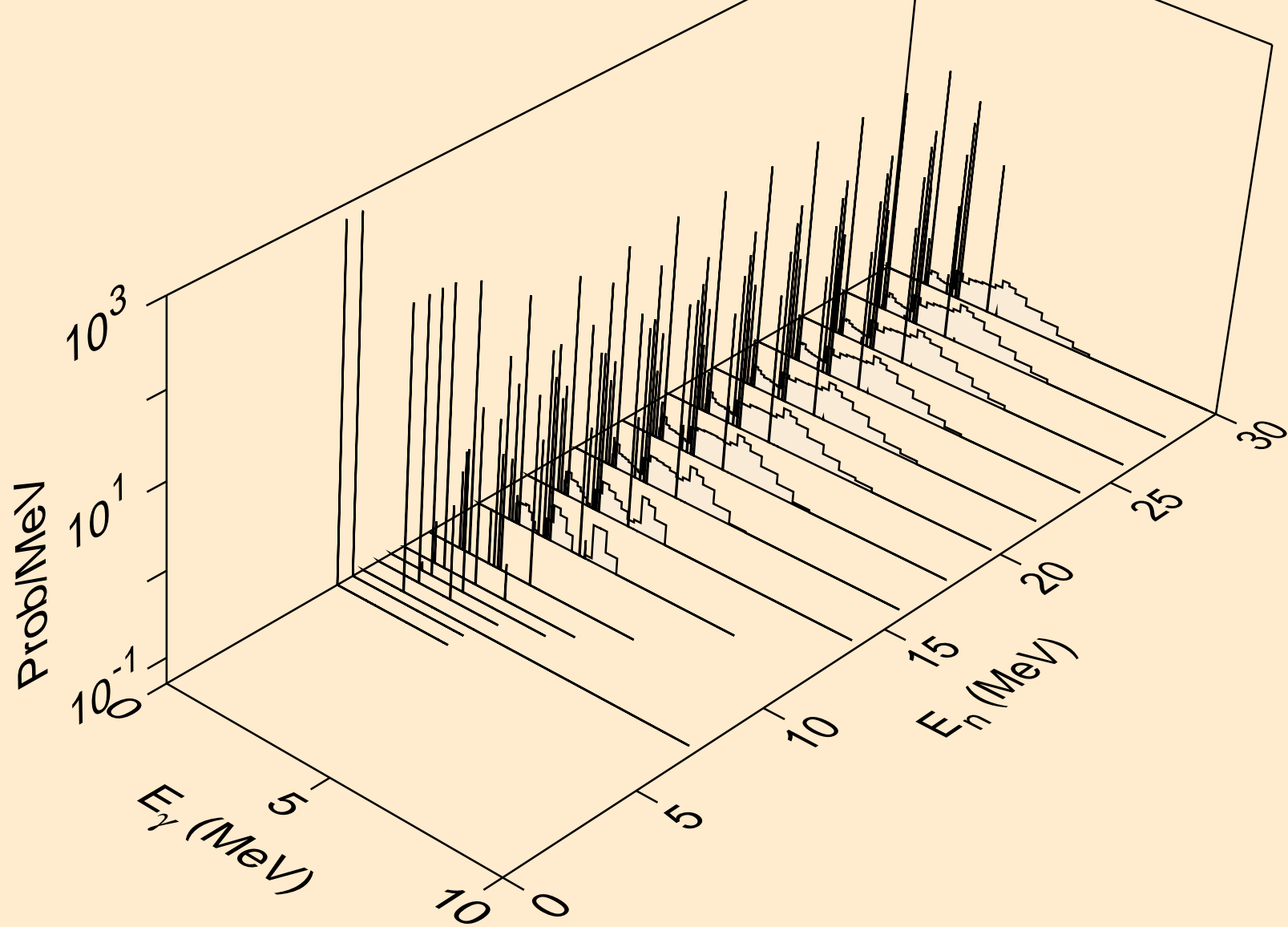




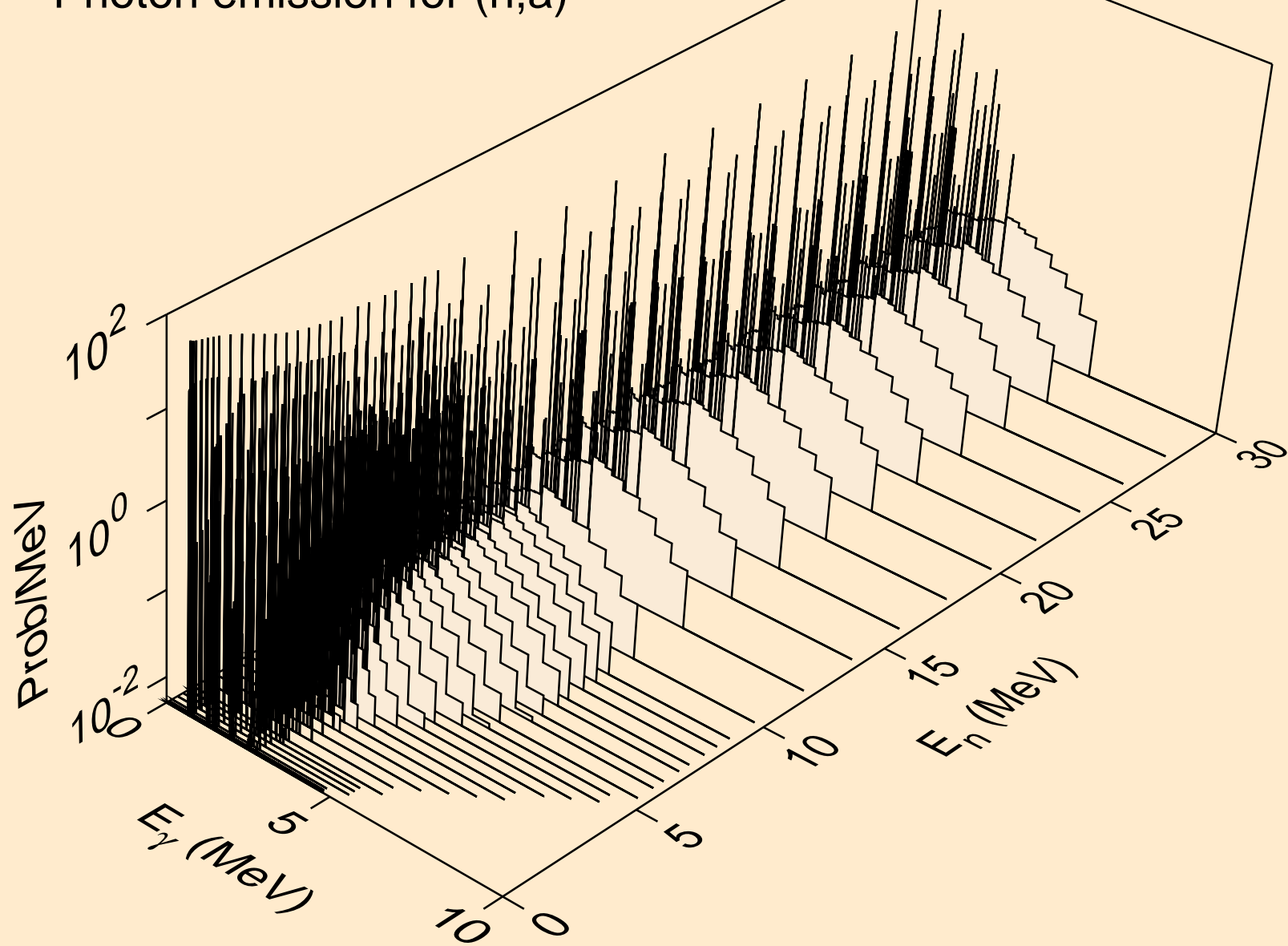
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Photon emission for (n,t)



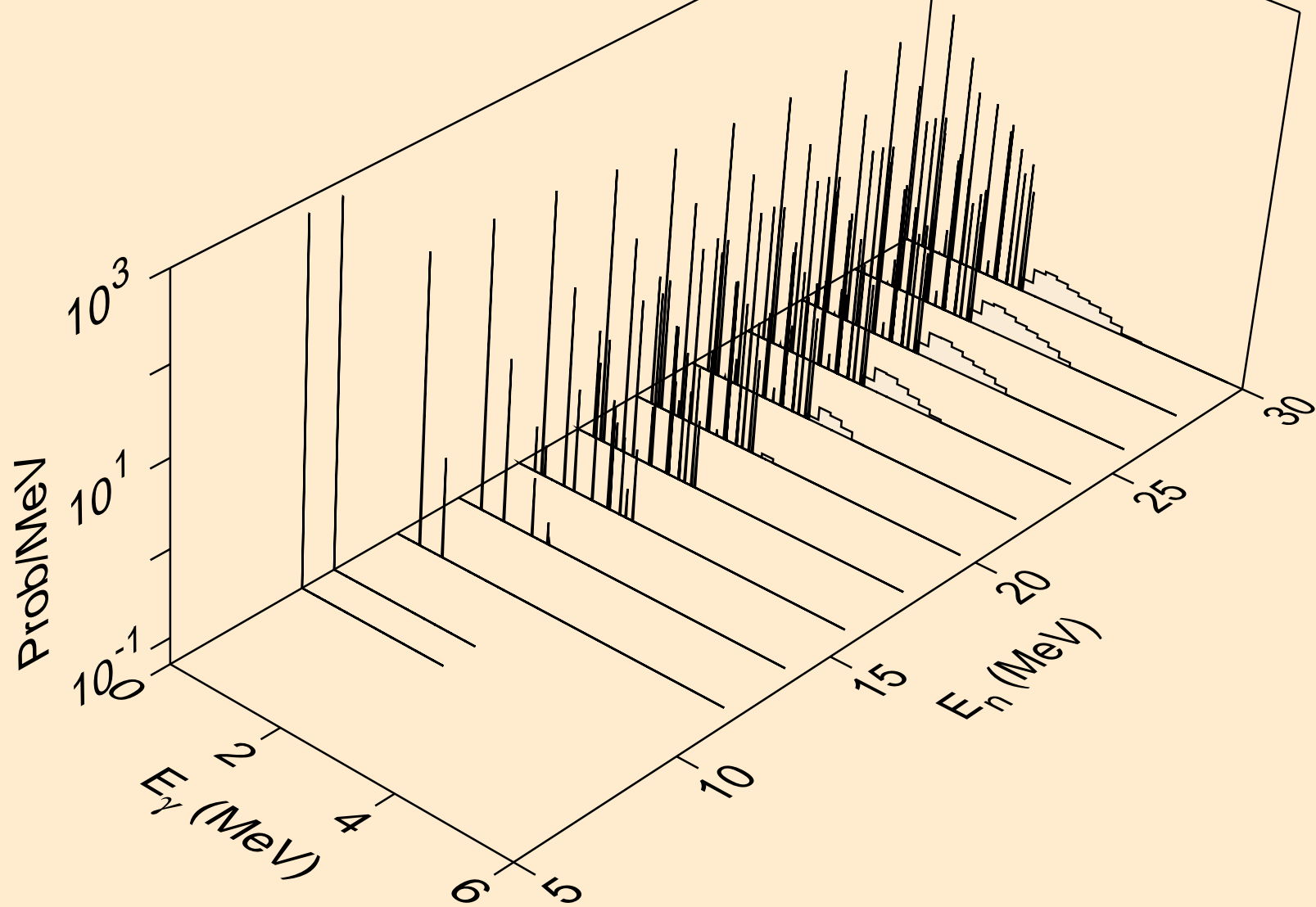
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Photon emission for (n,he3)



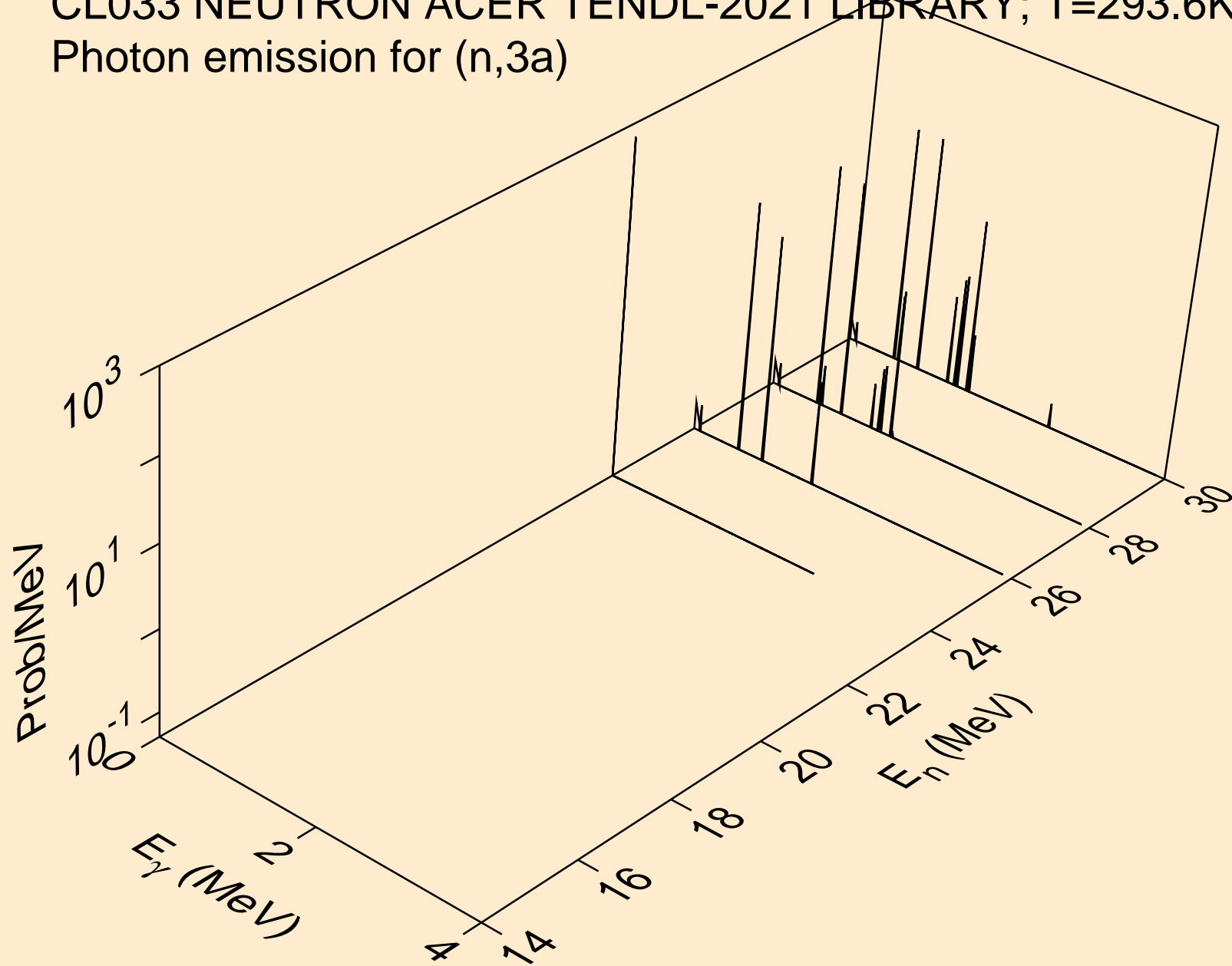
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Photon emission for (n,a)



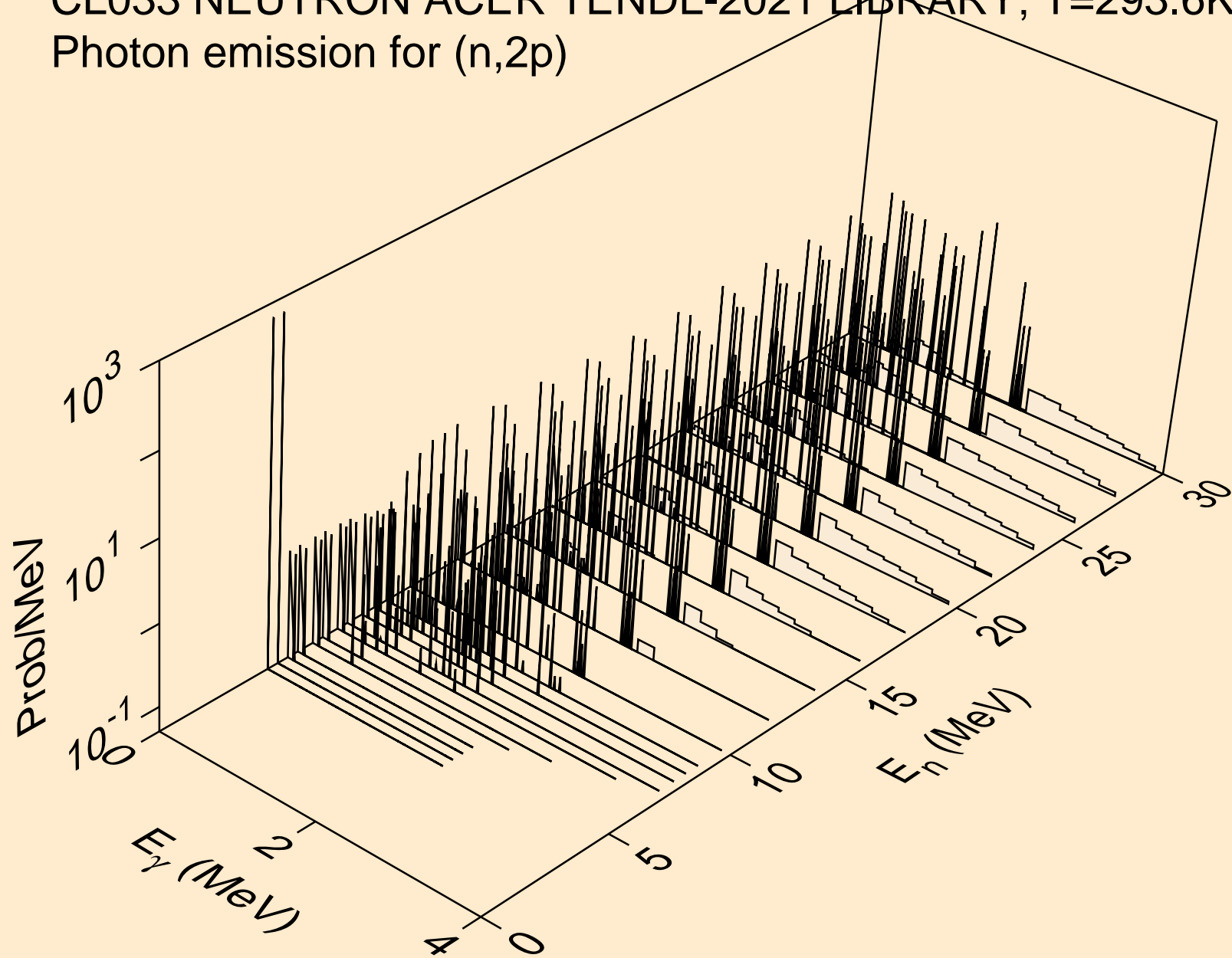
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Photon emission for (n,2a)



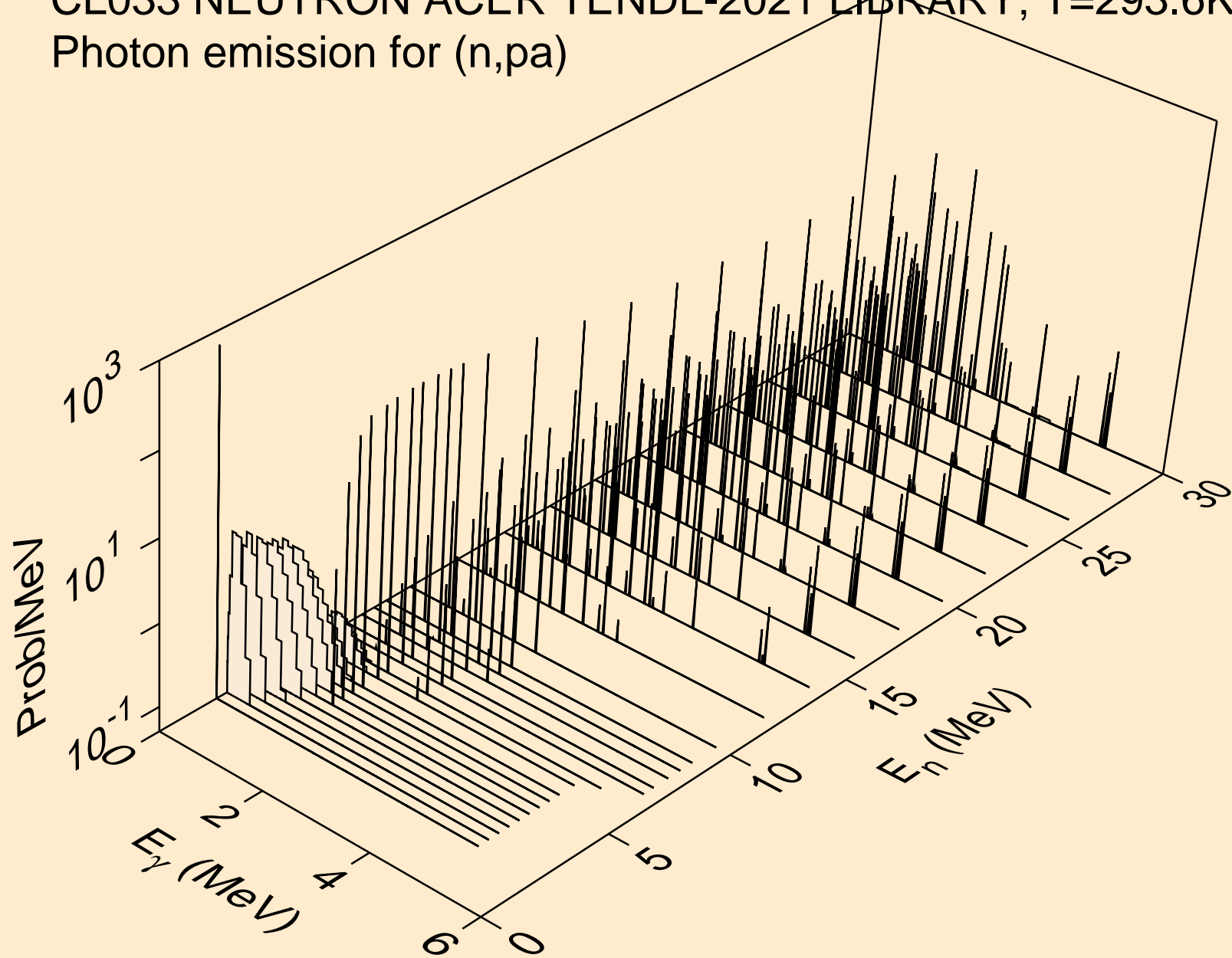
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Photon emission for (n,3a)



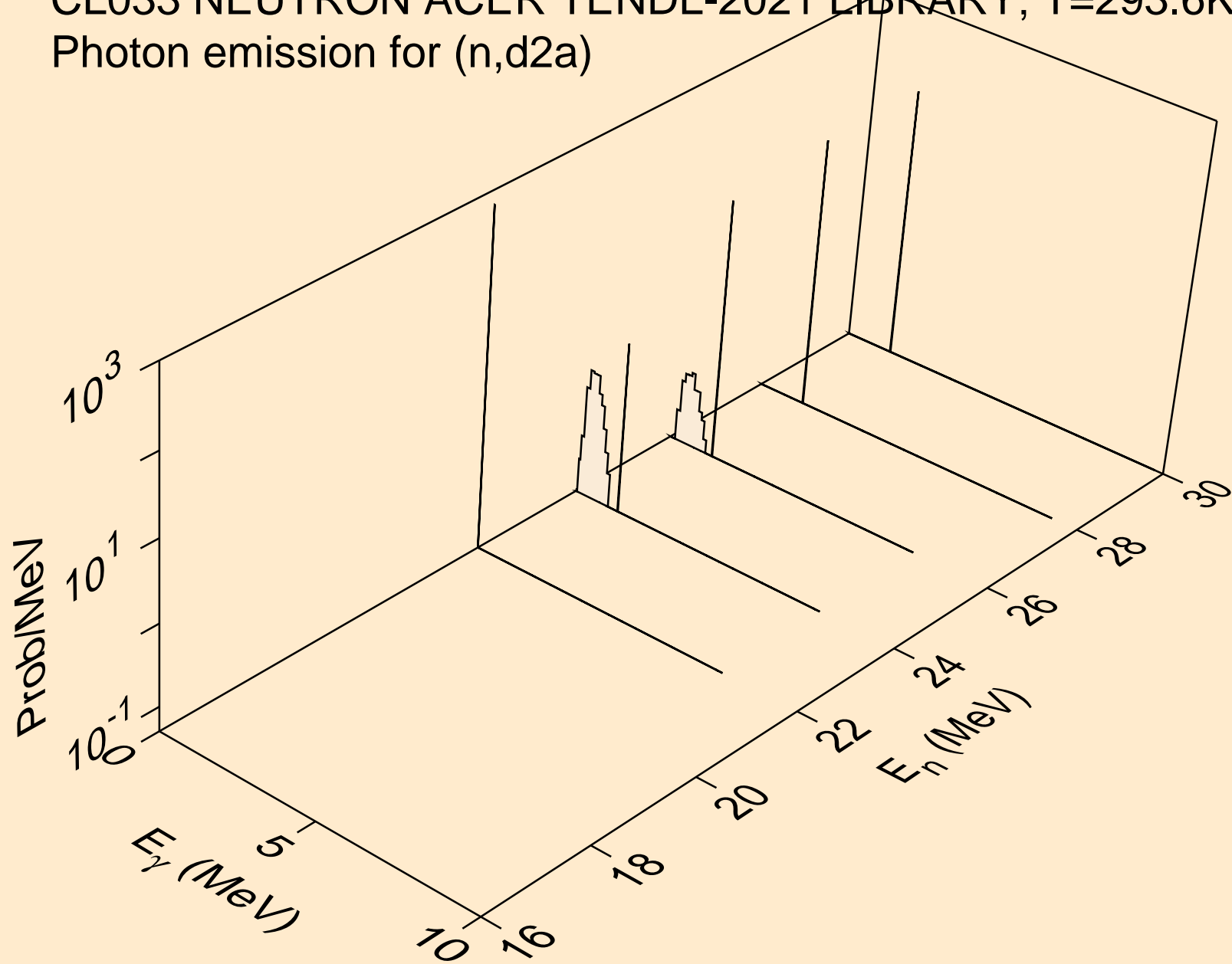
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

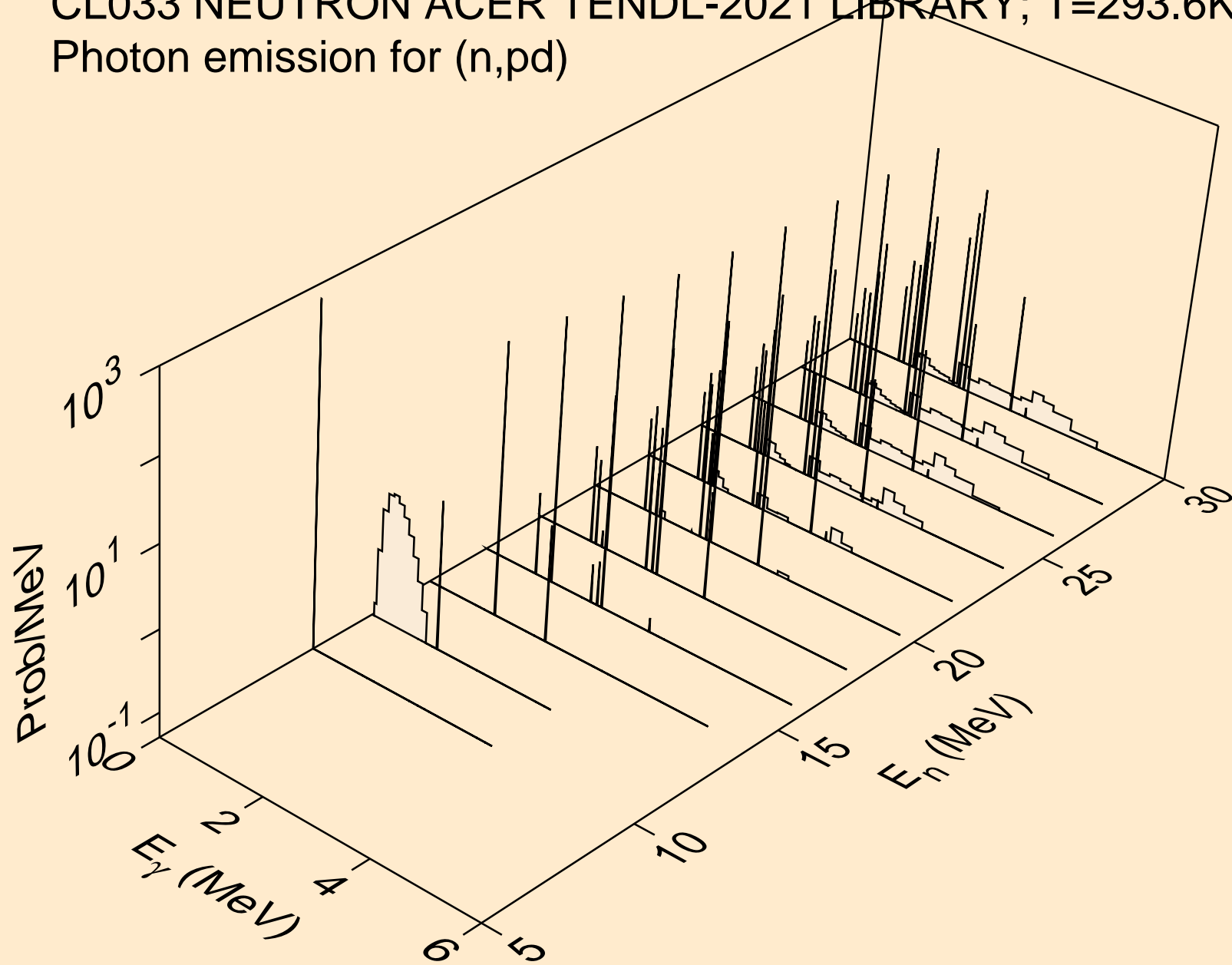


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Photon emission for (n,d2a)

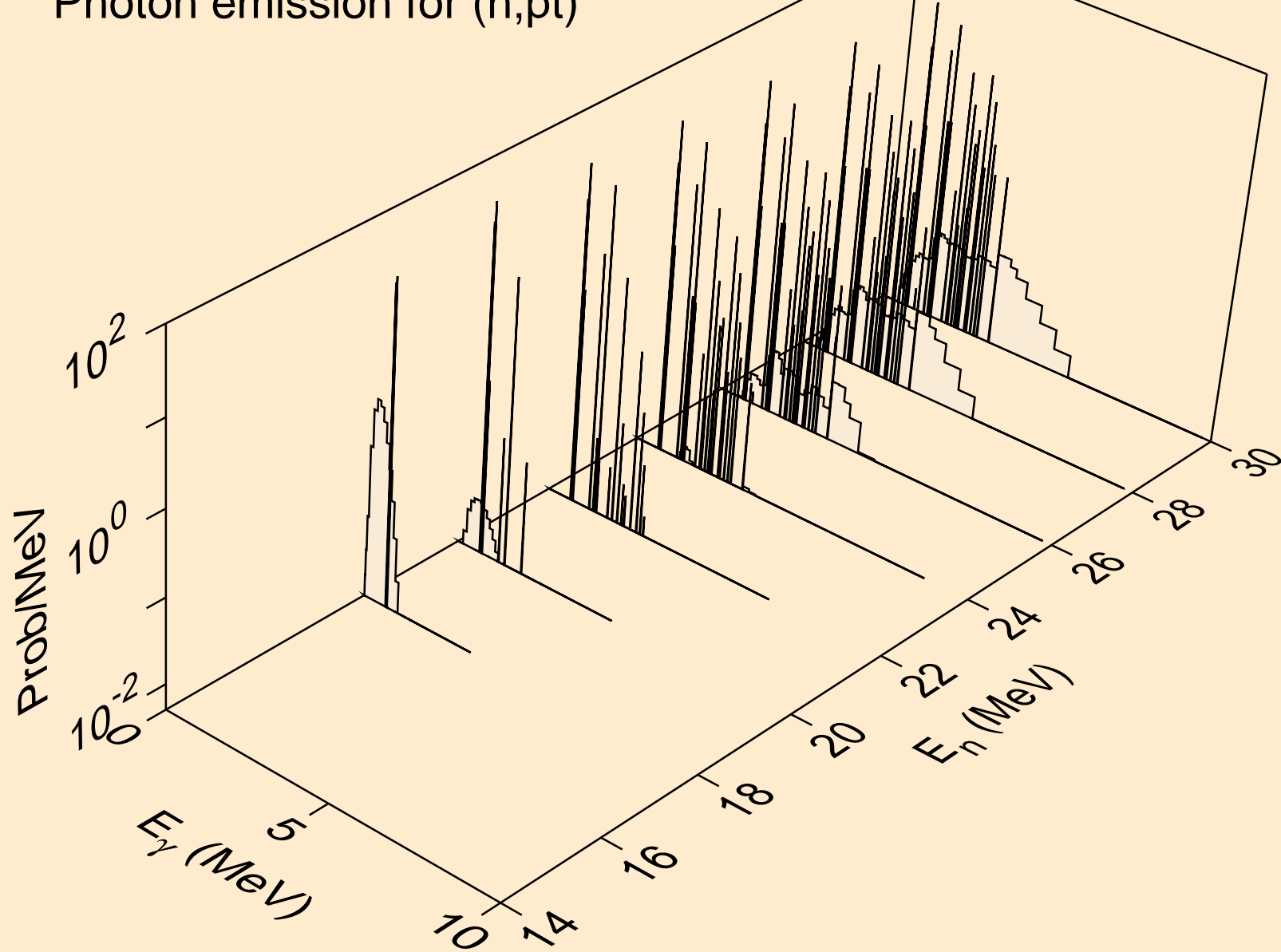




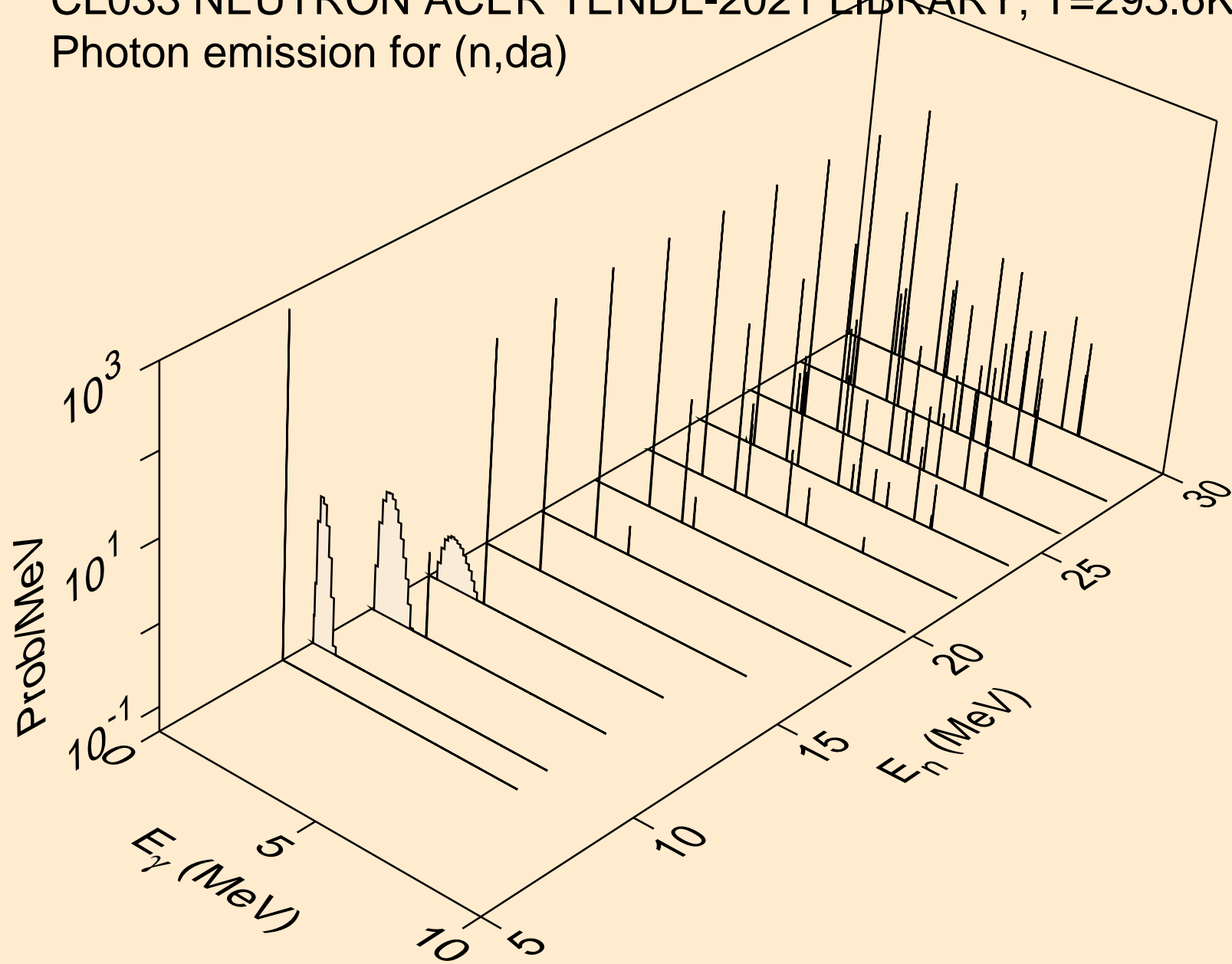
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Photon emission for (n,pd)



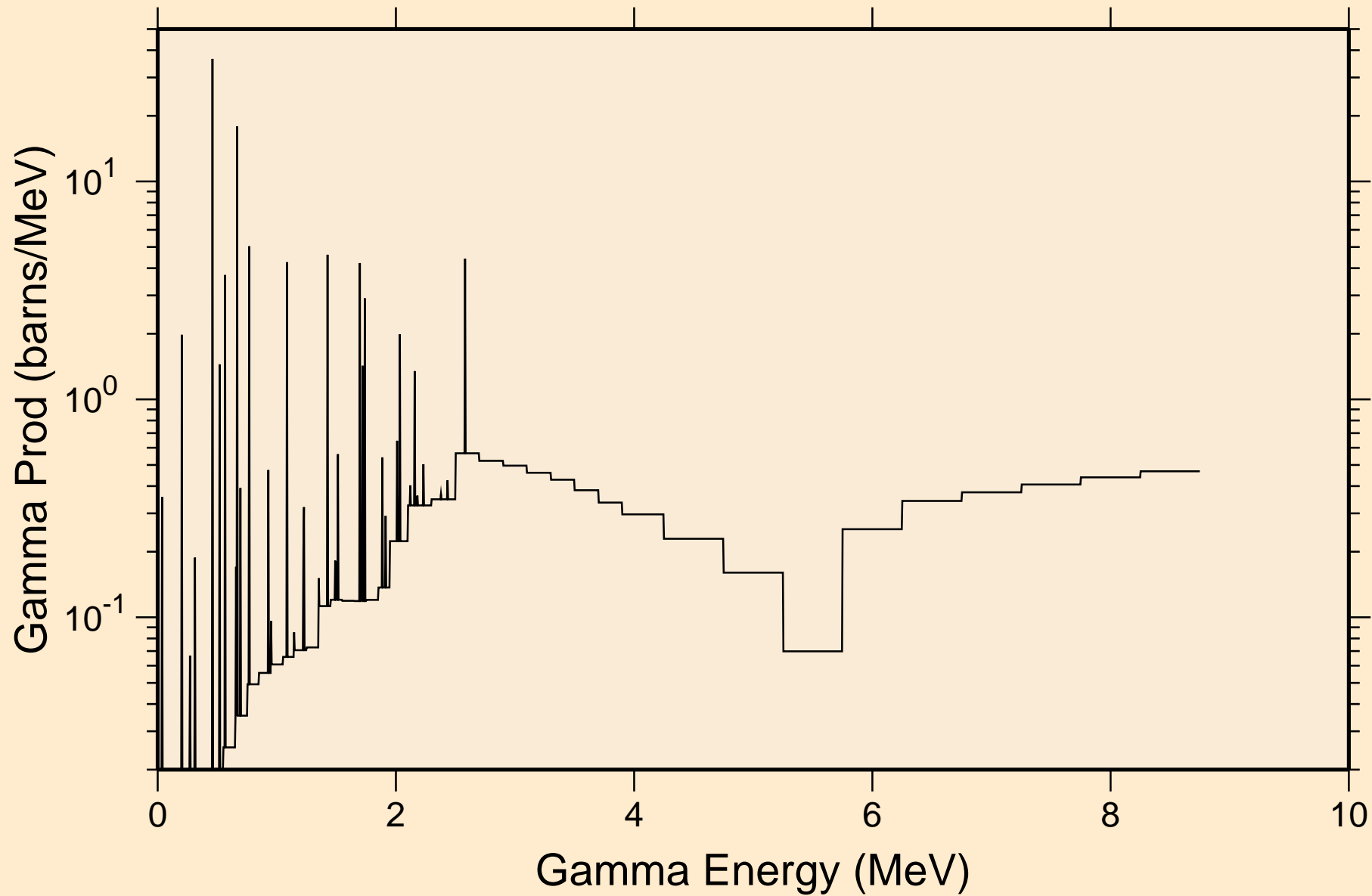
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



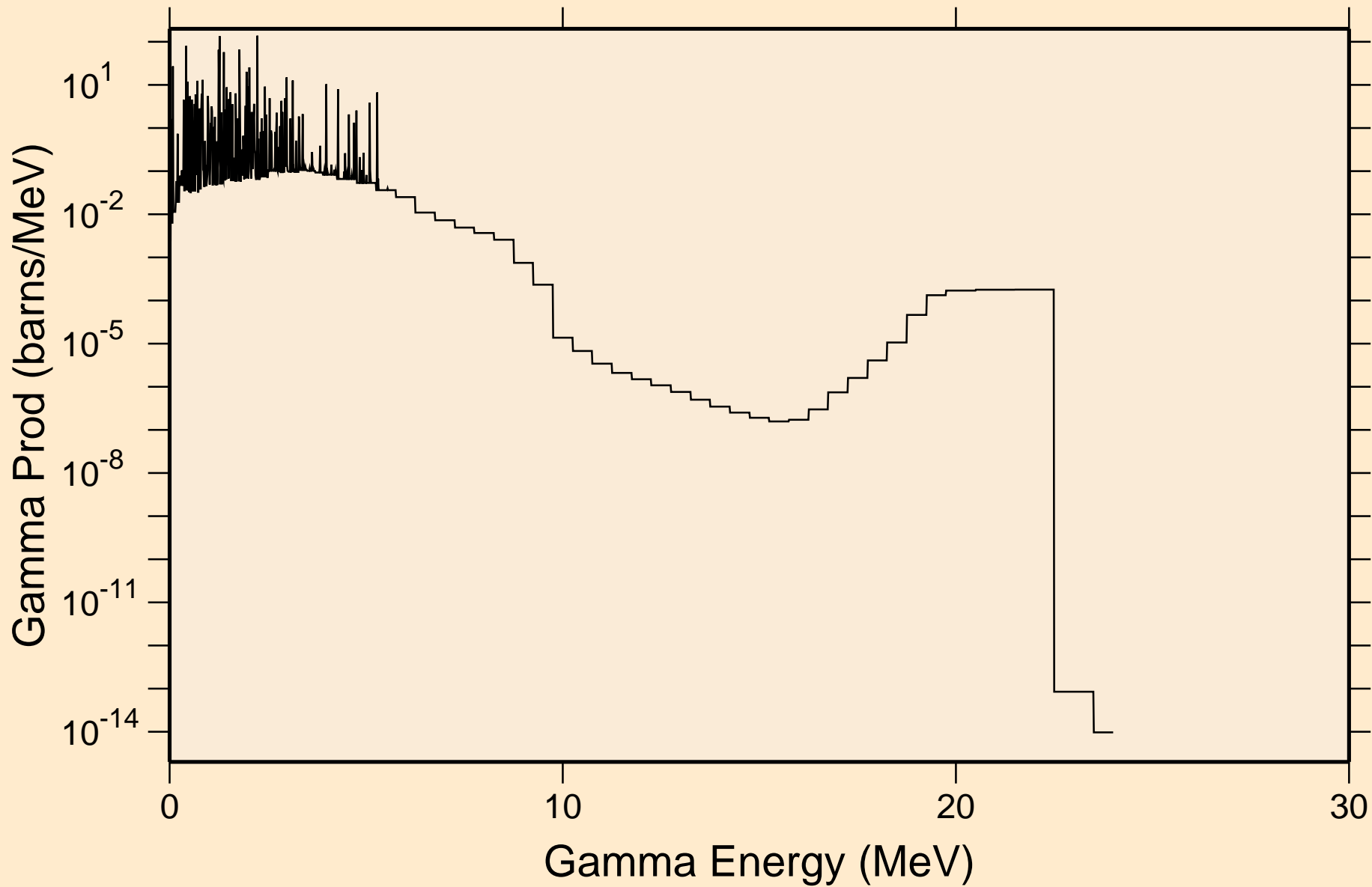
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Photon emission for (n,da)



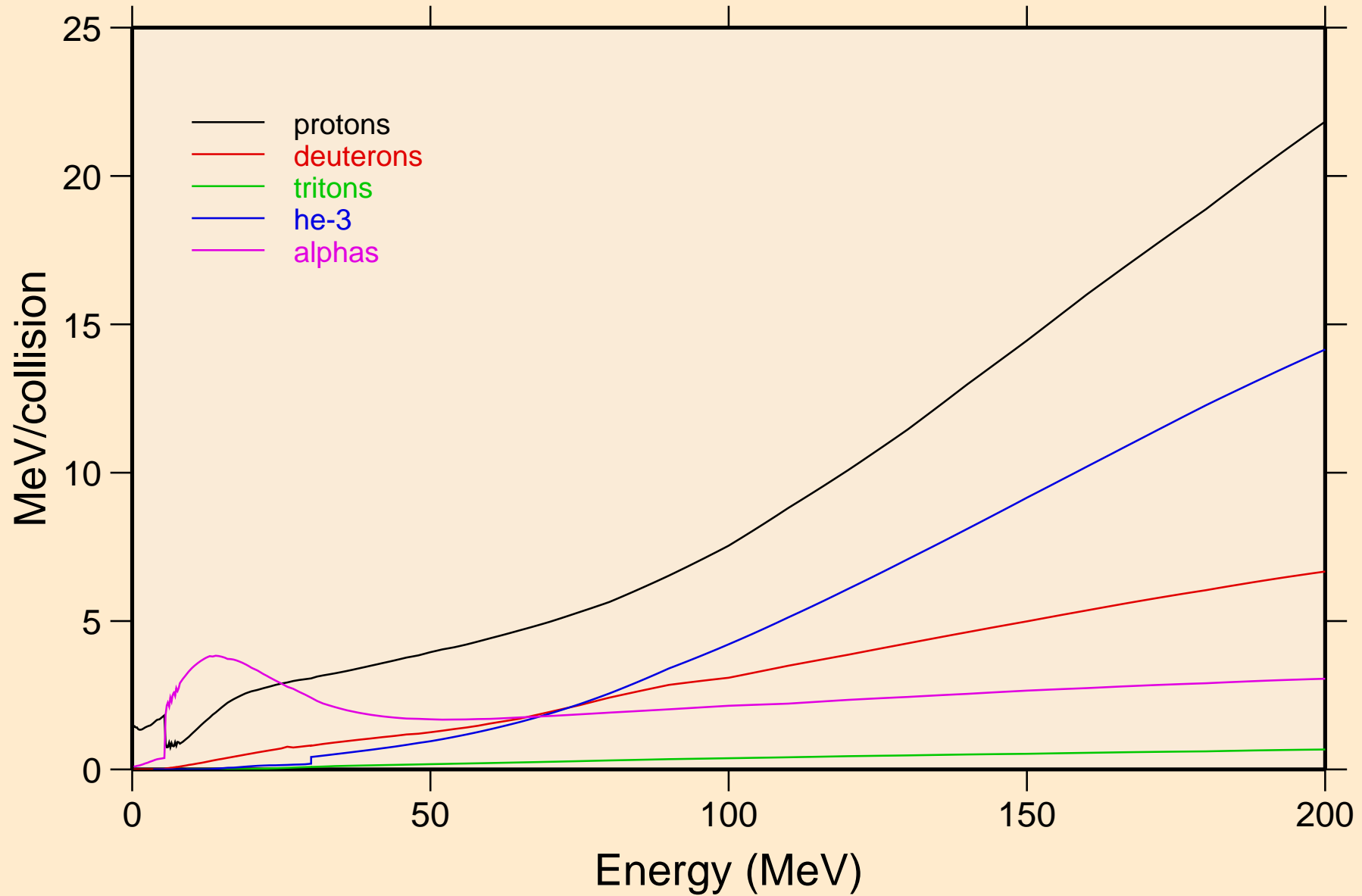
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thermal capture photon spectrum



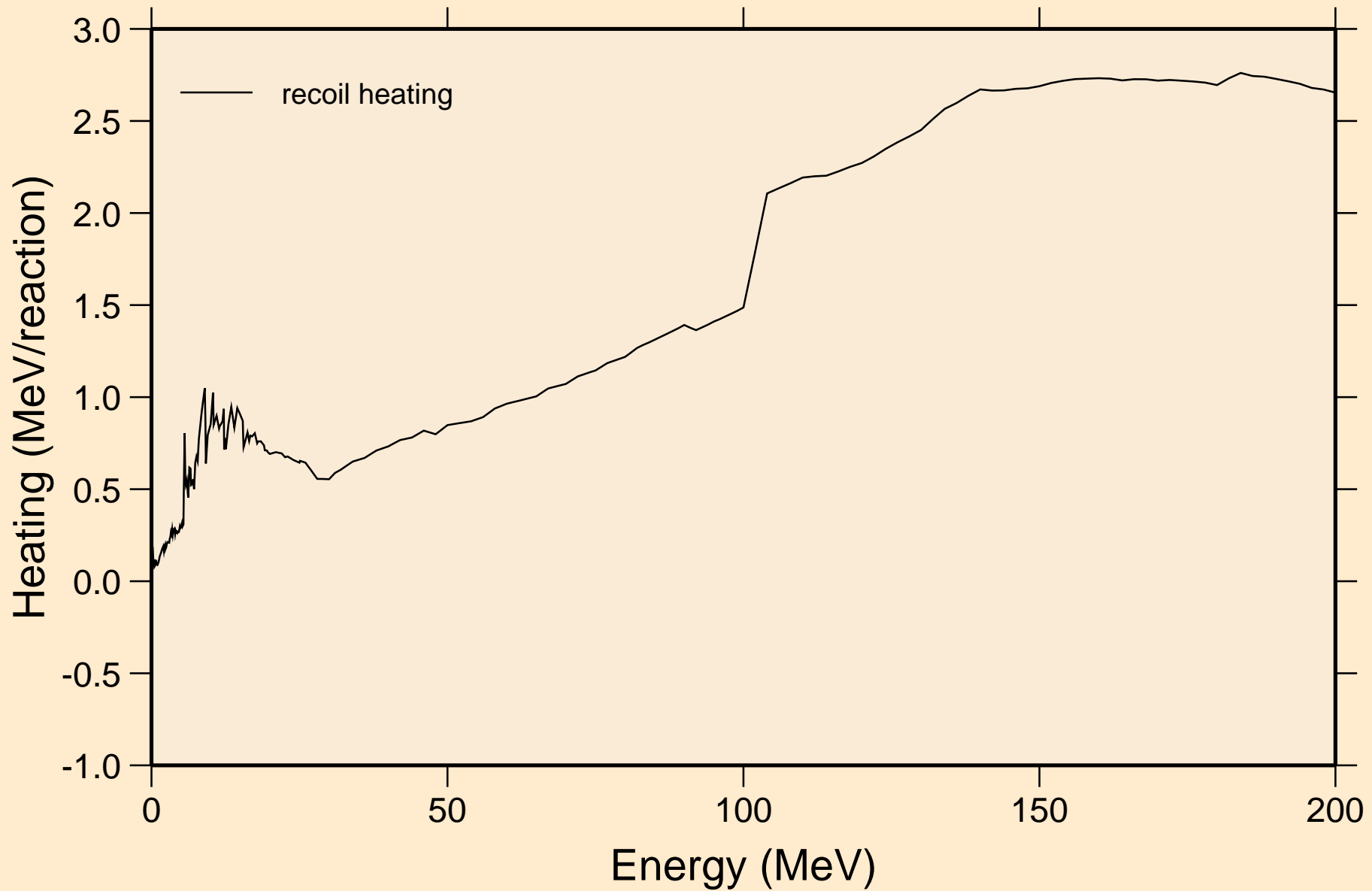
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14 MeV photon spectrum



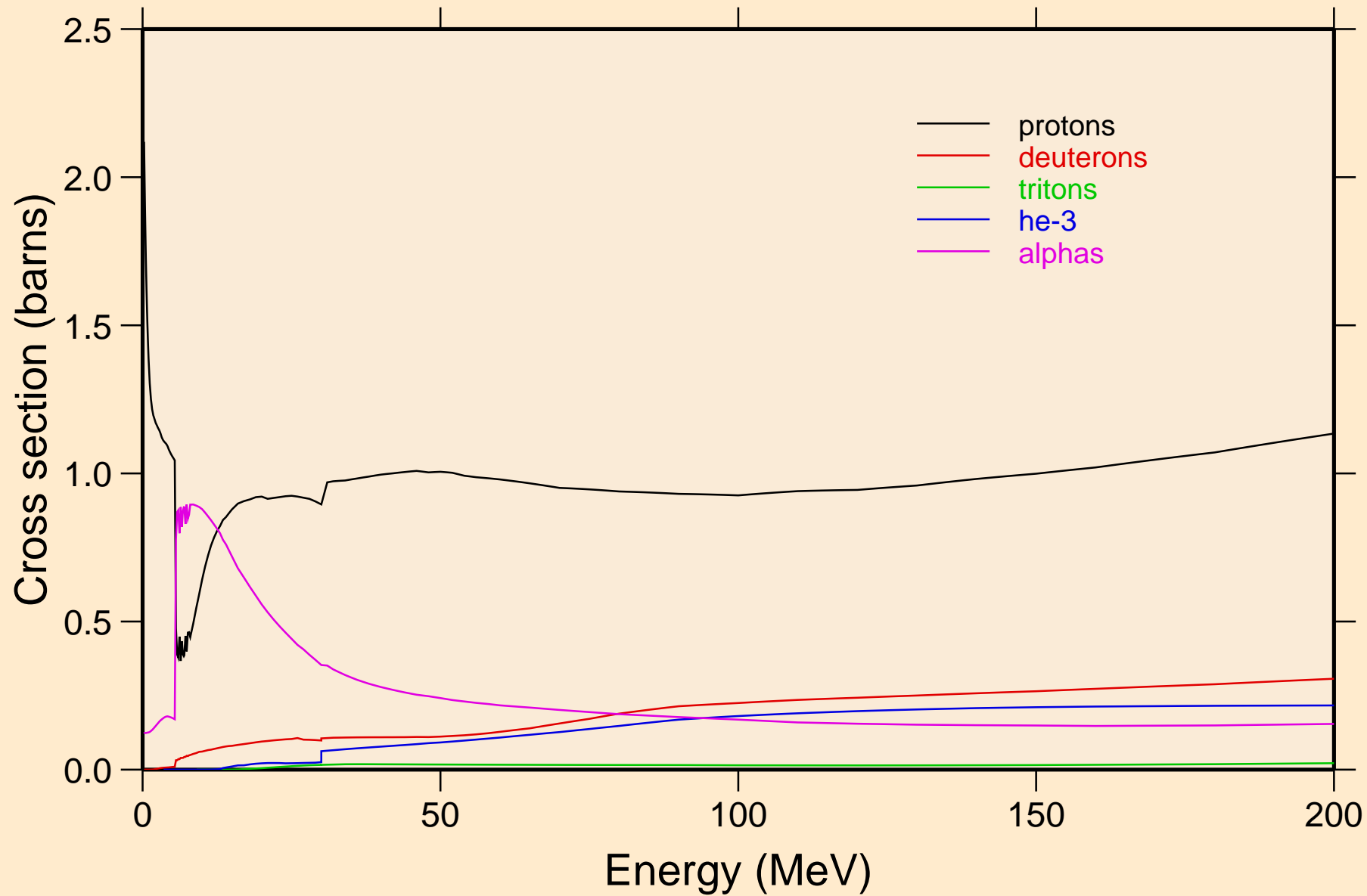
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions



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Recoil Heating

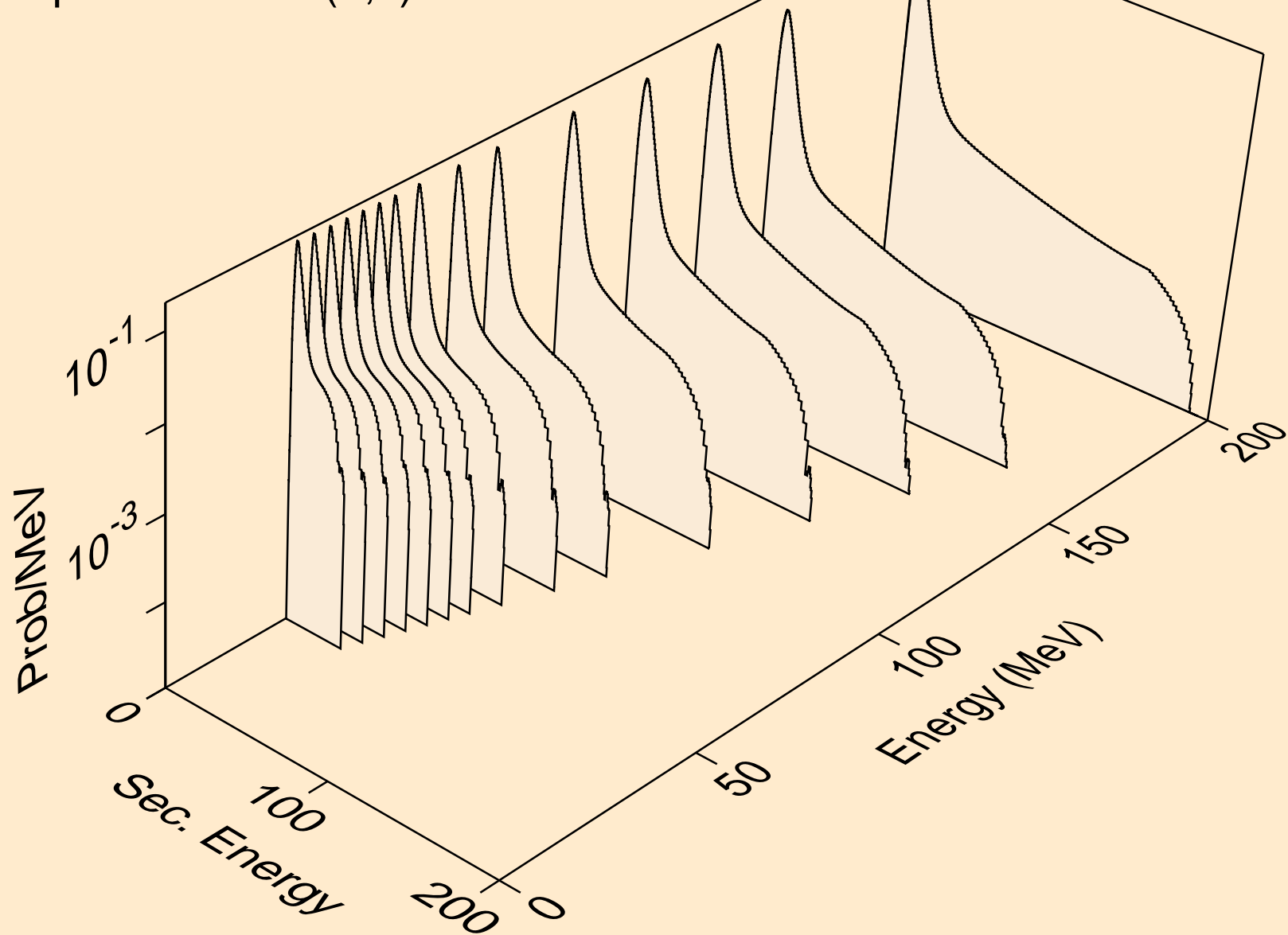


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Particle production cross sections

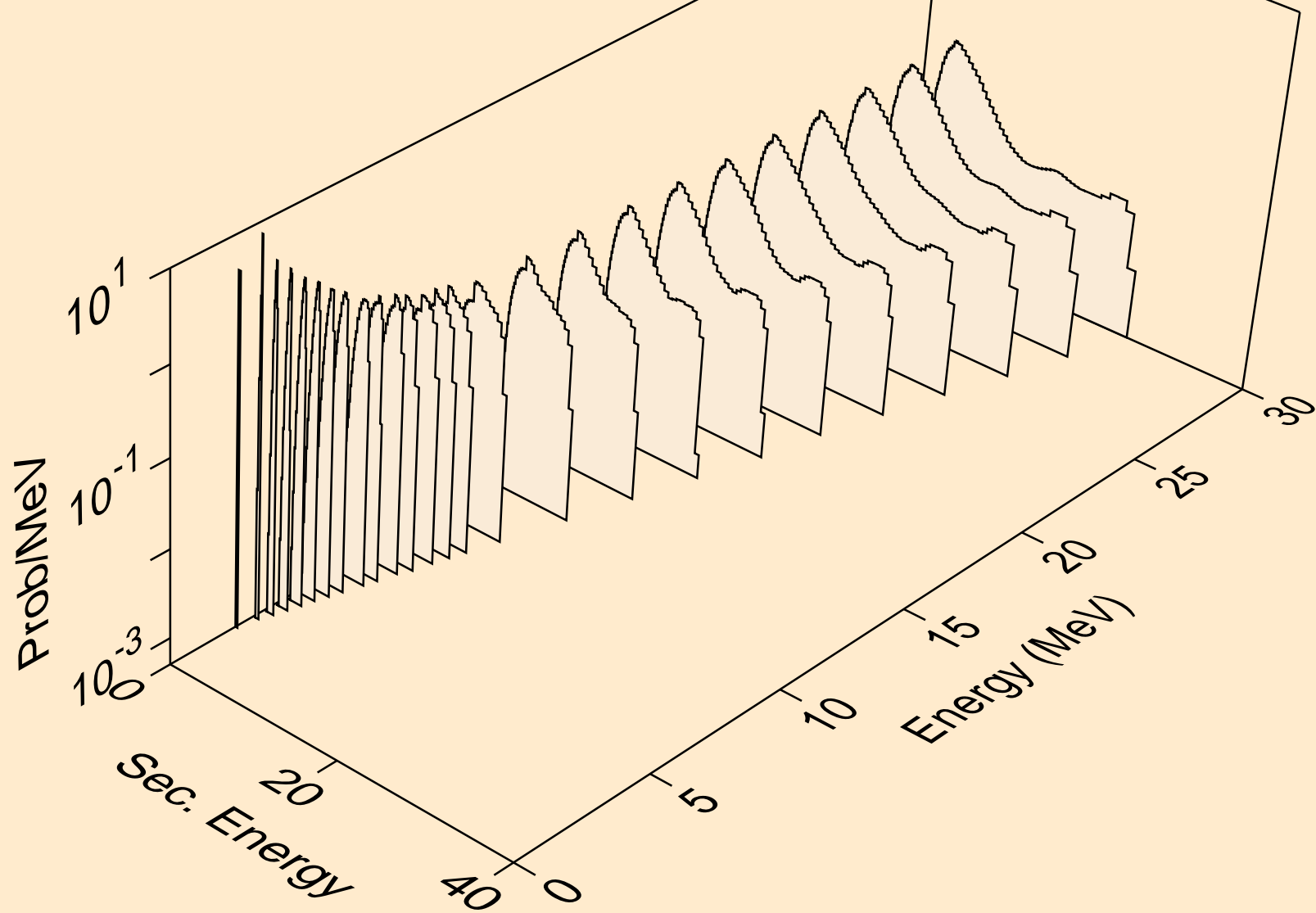




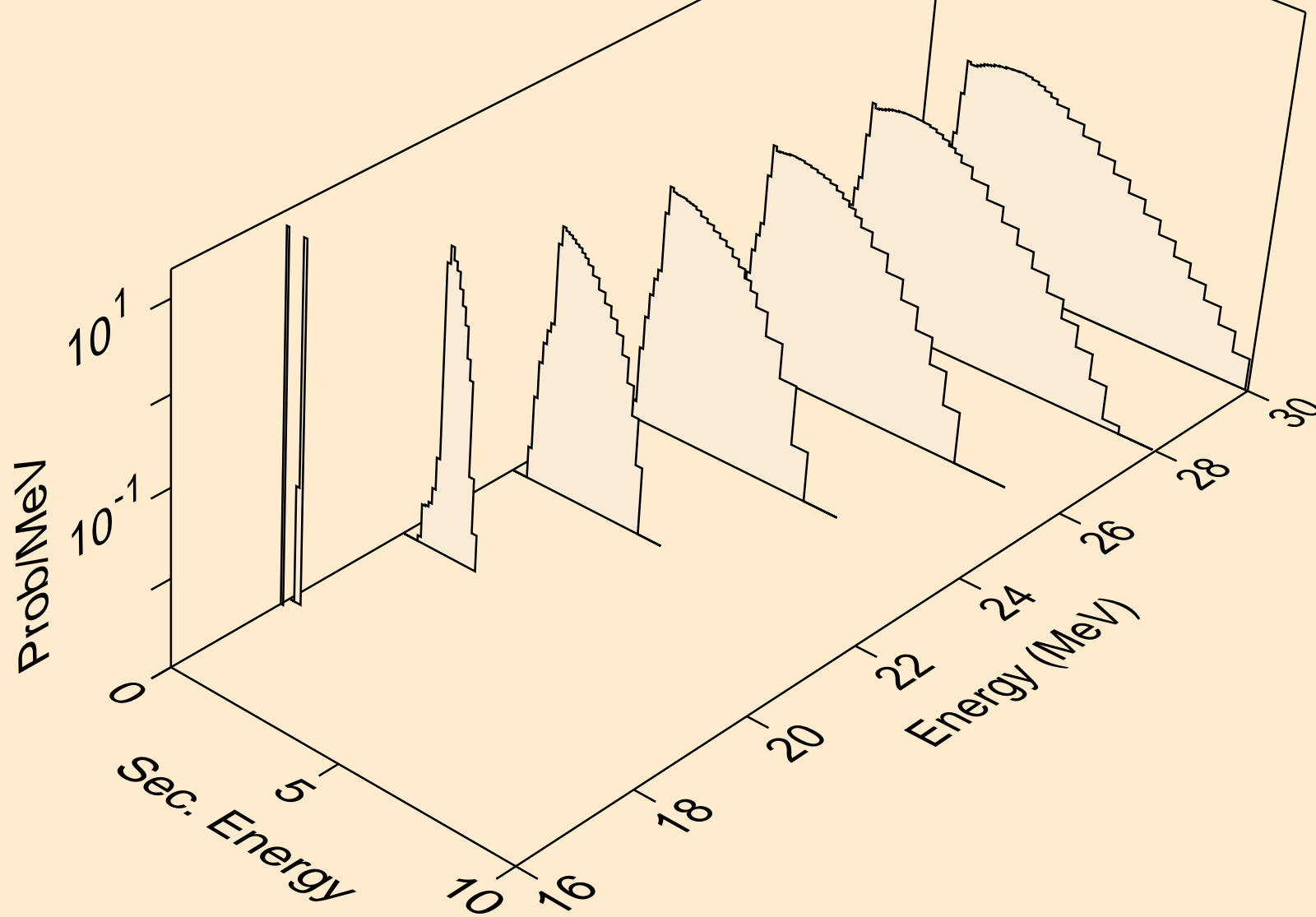
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protons from (n,x)



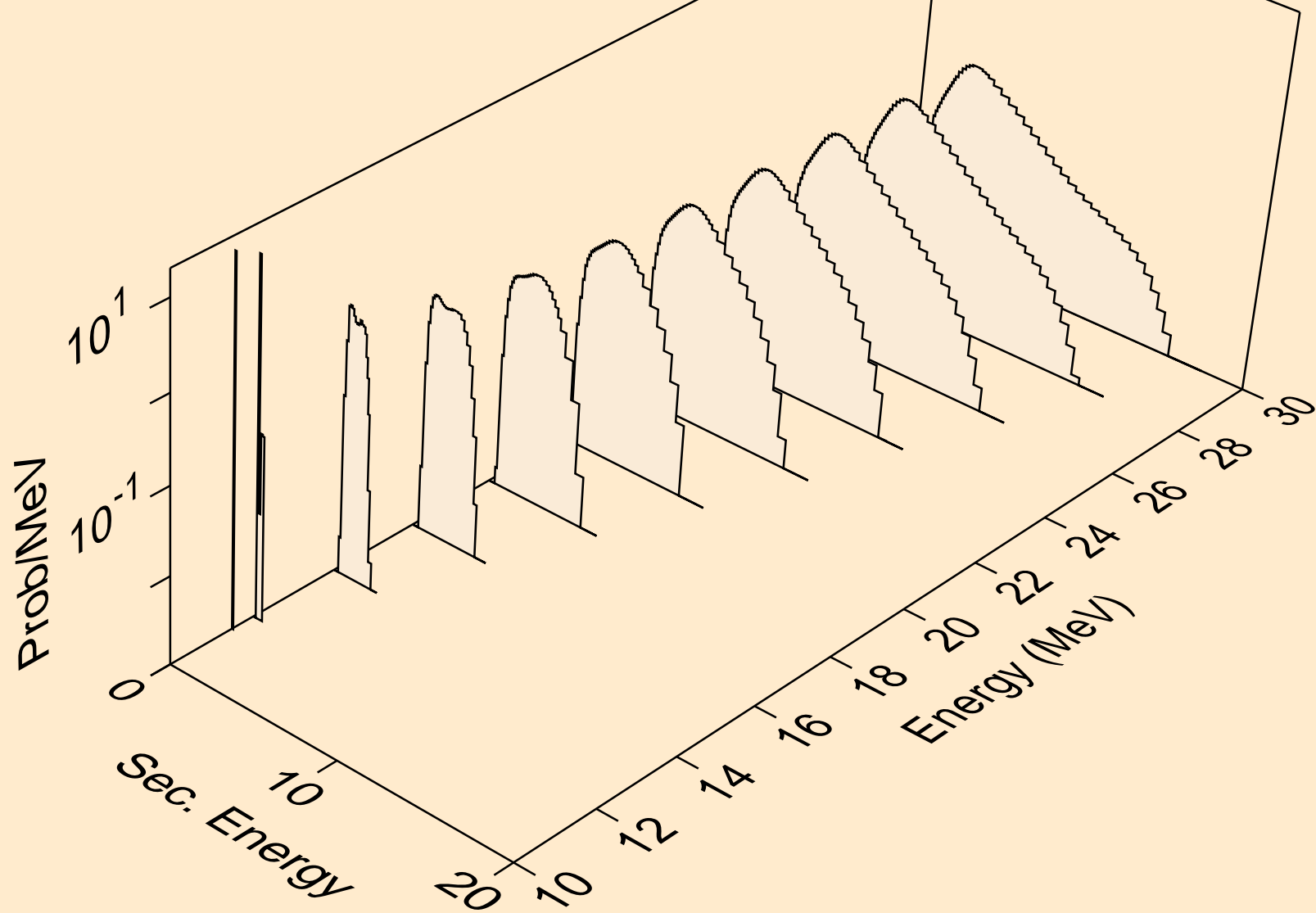
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protons from (n,n\*)p



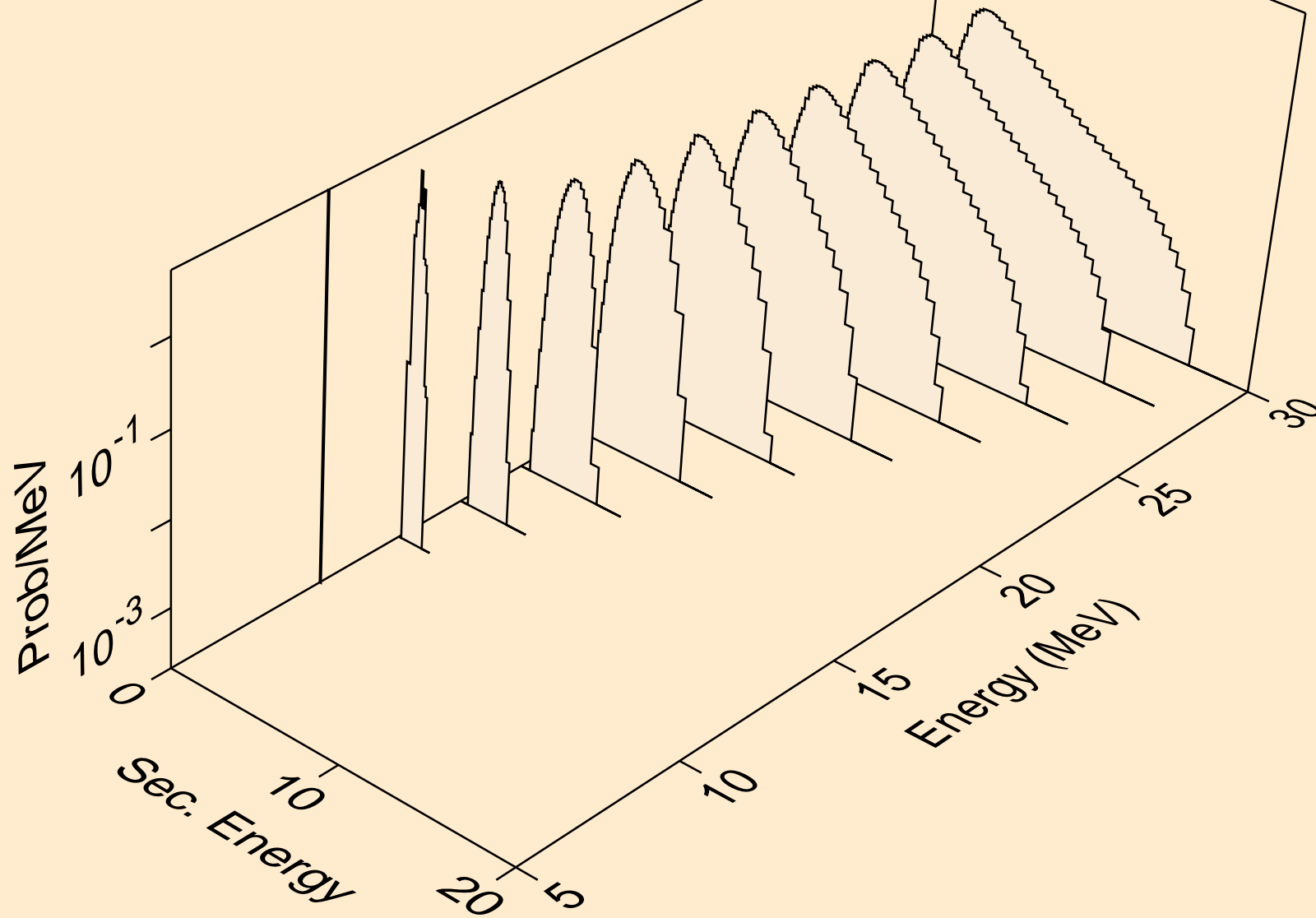
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protons from (n,2np)



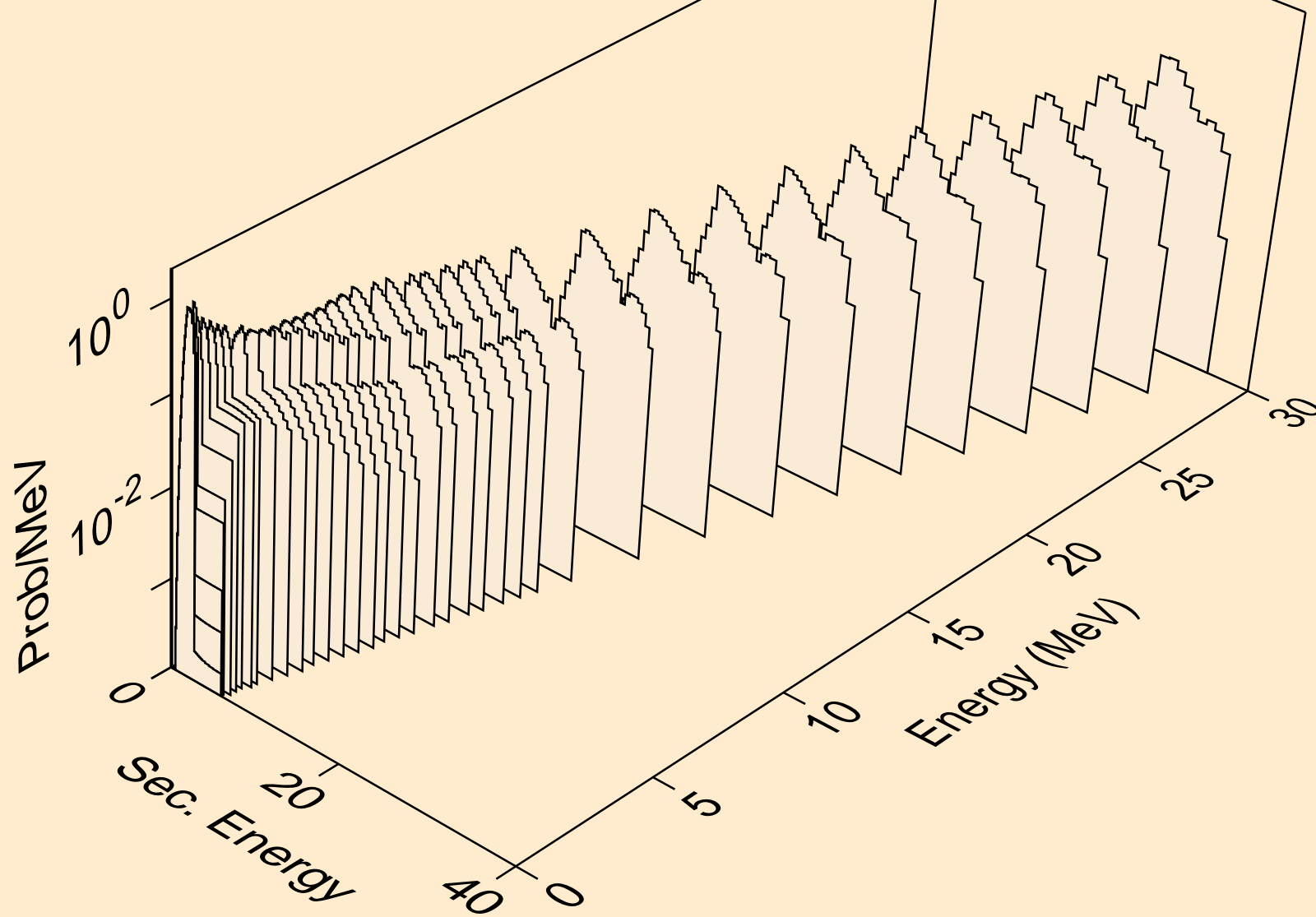
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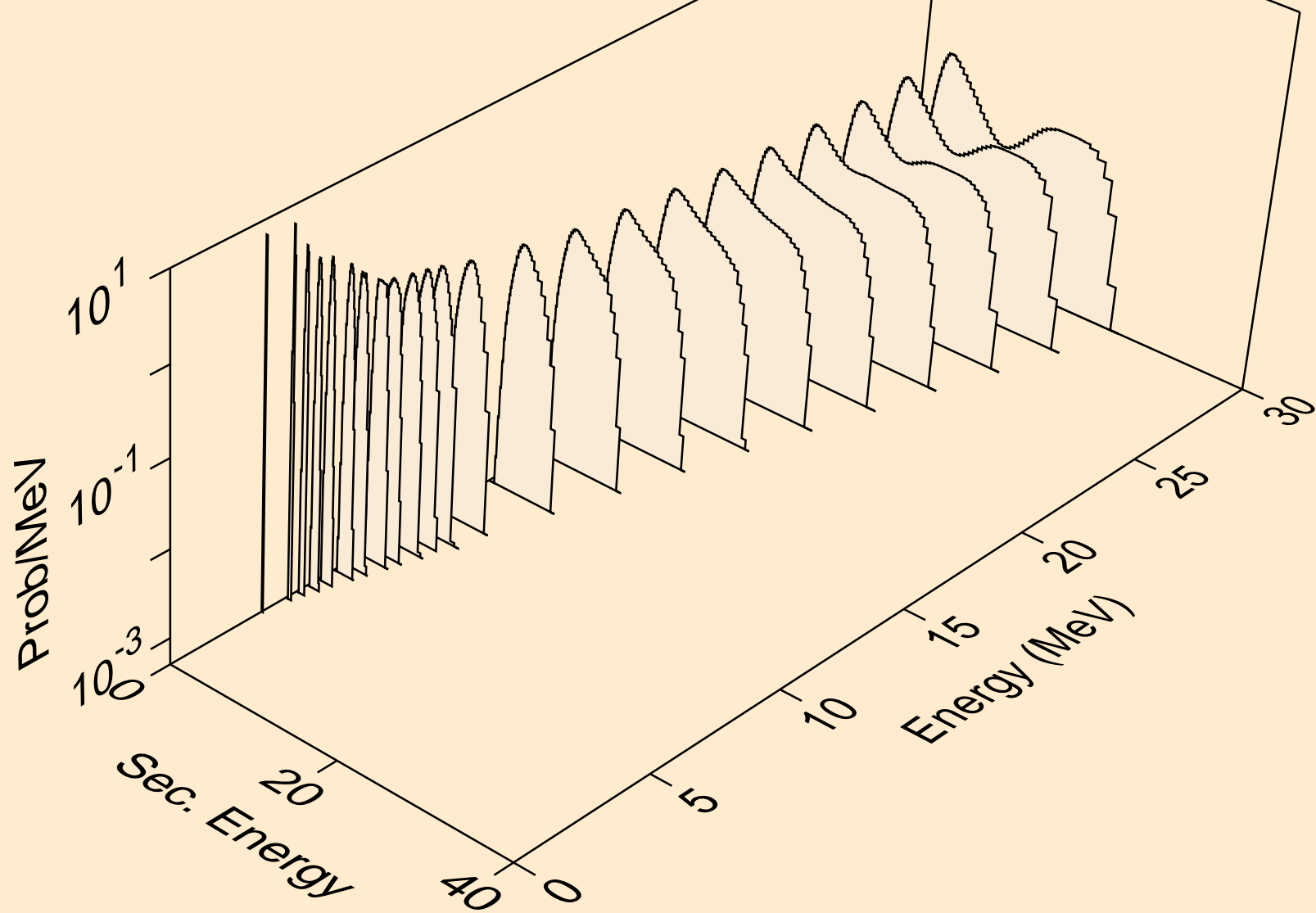
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protons from (n,npa)



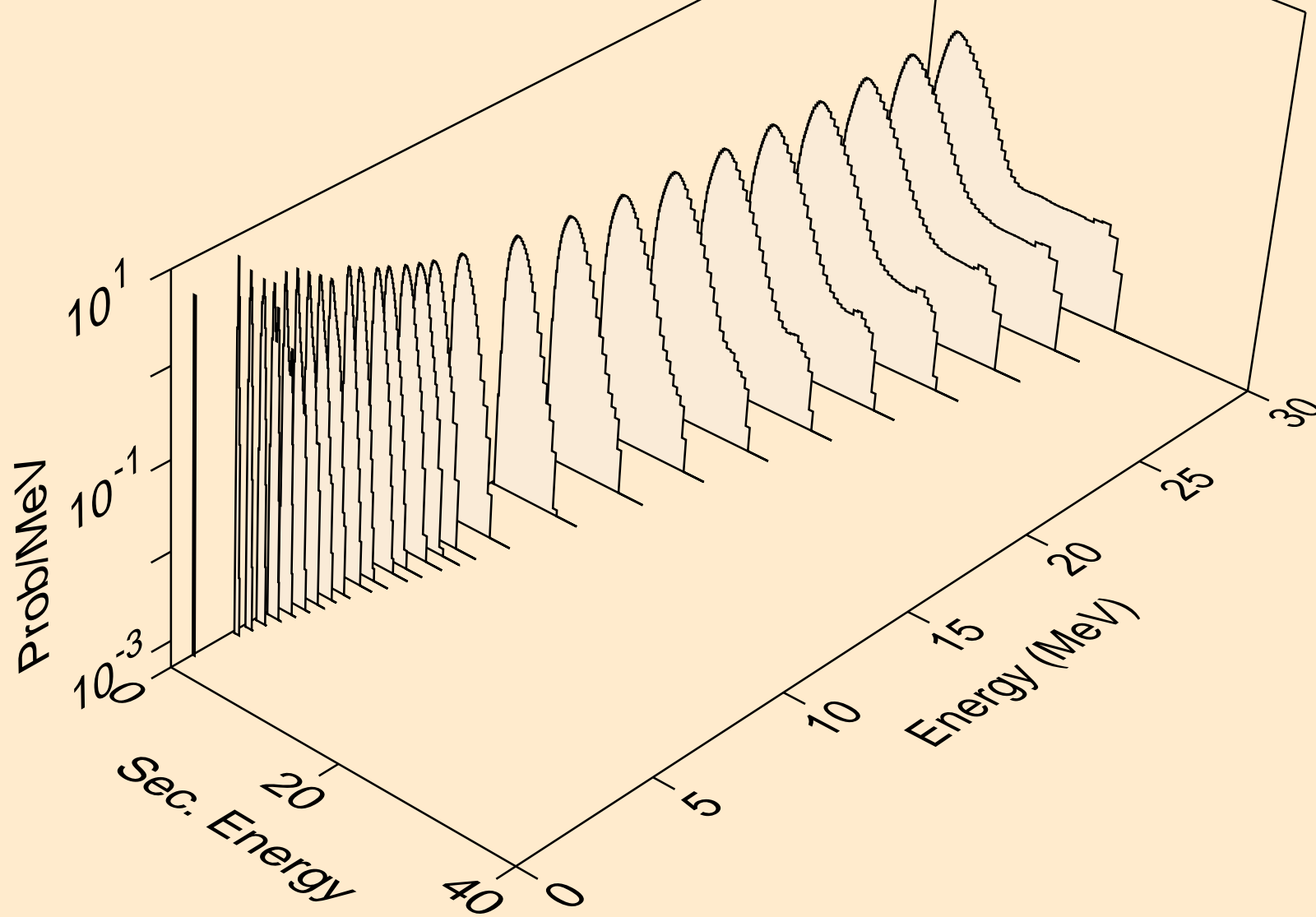
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protons from (n,p)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)

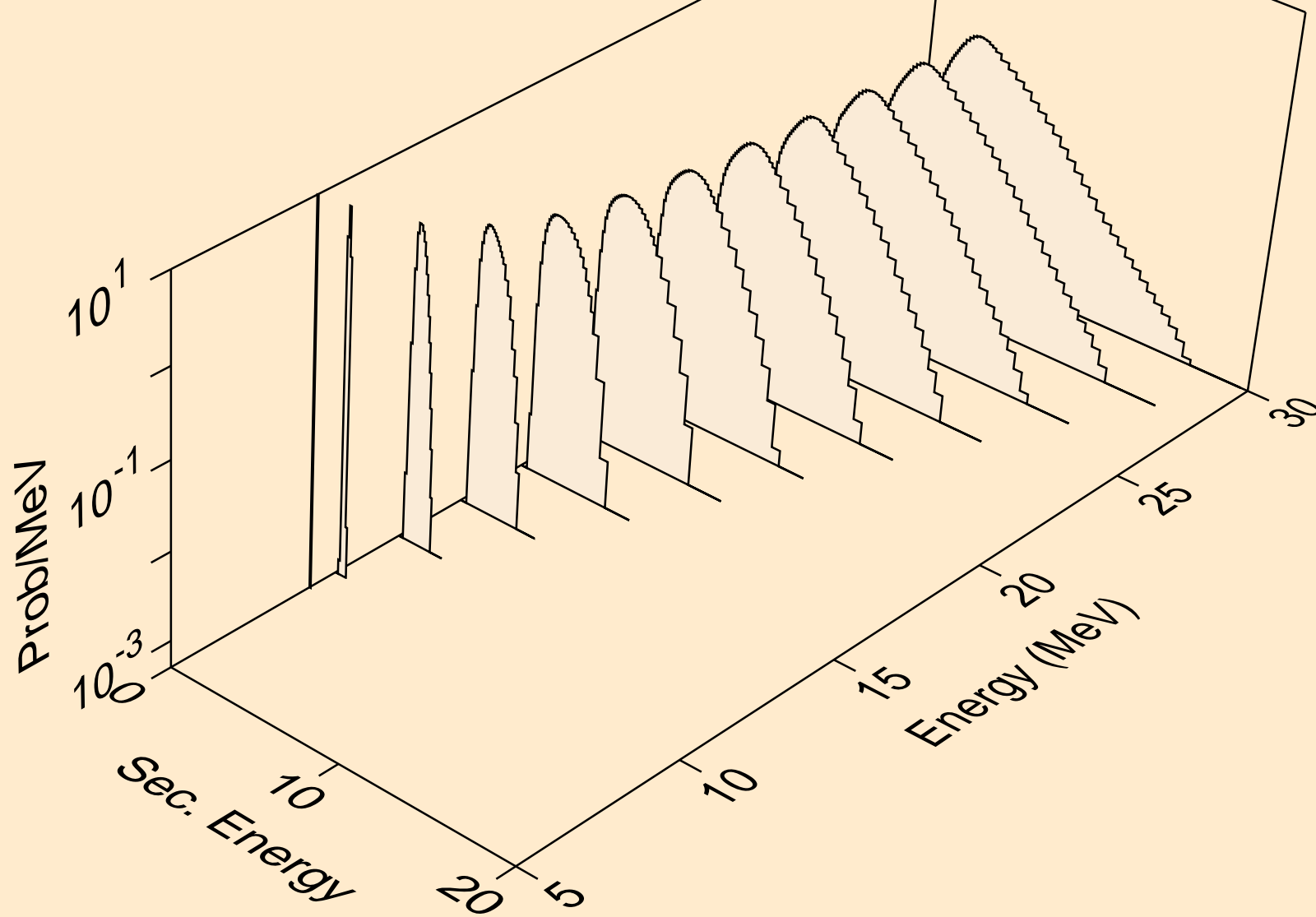


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protons from (n,p)

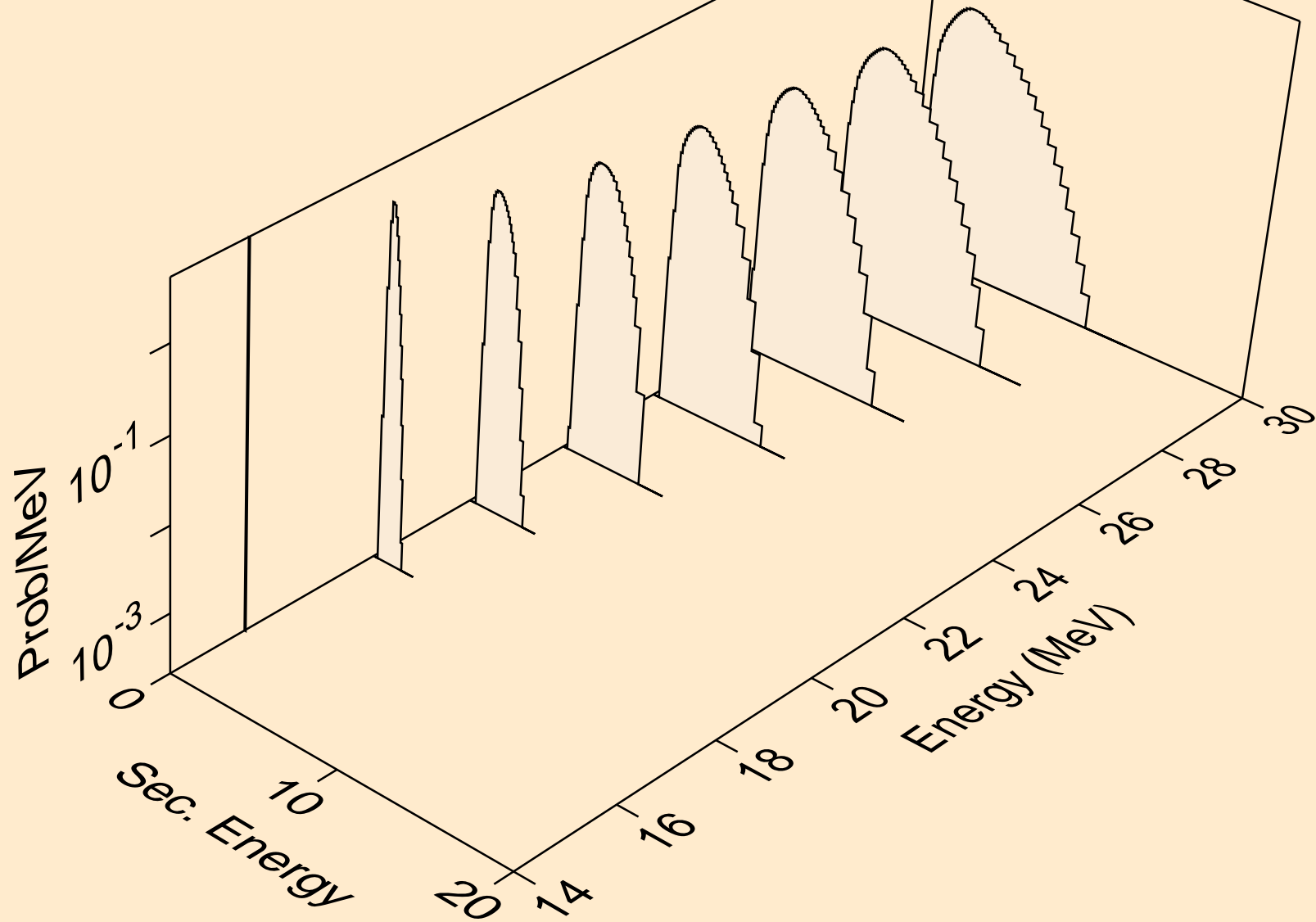




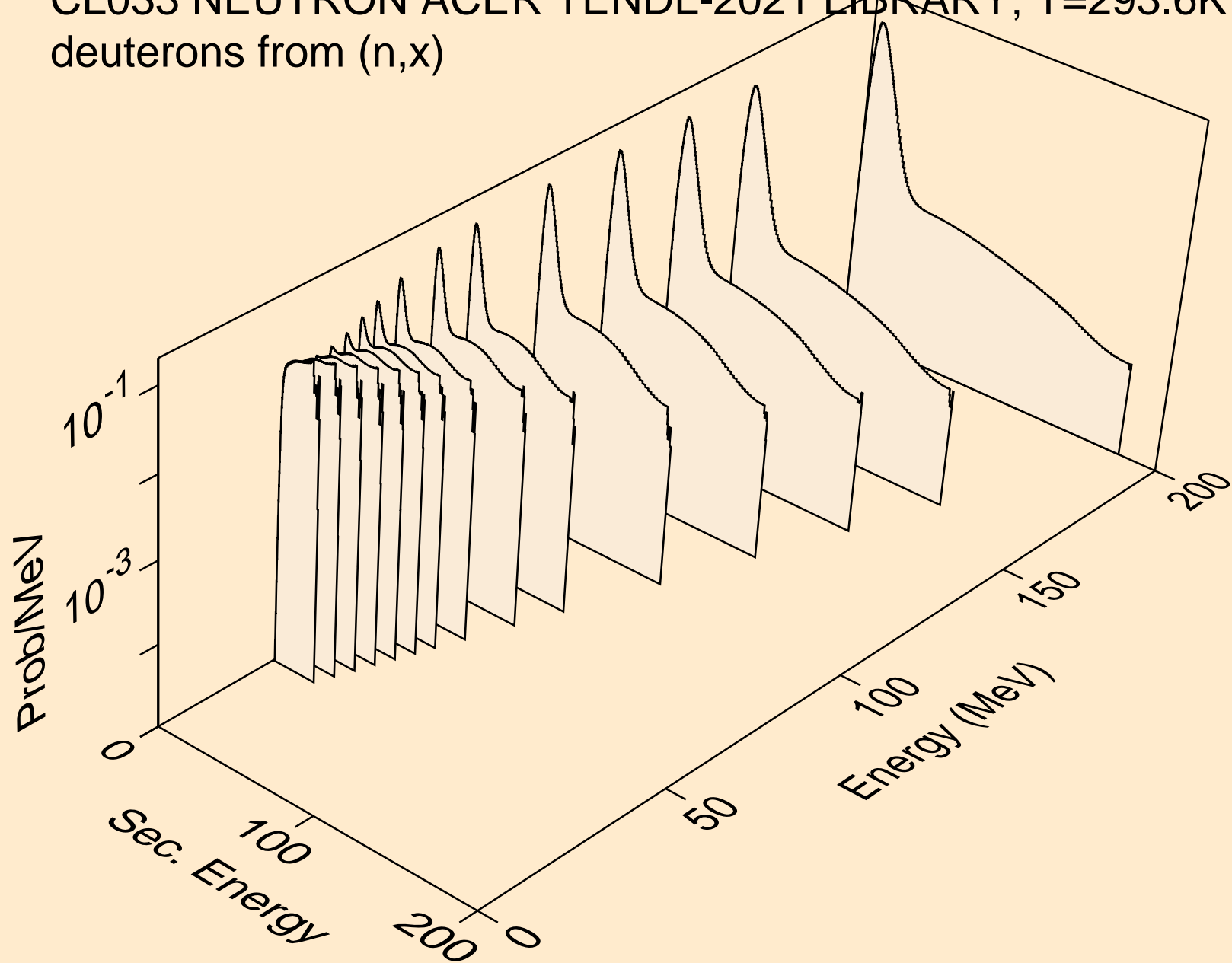
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protons from (n,pd)



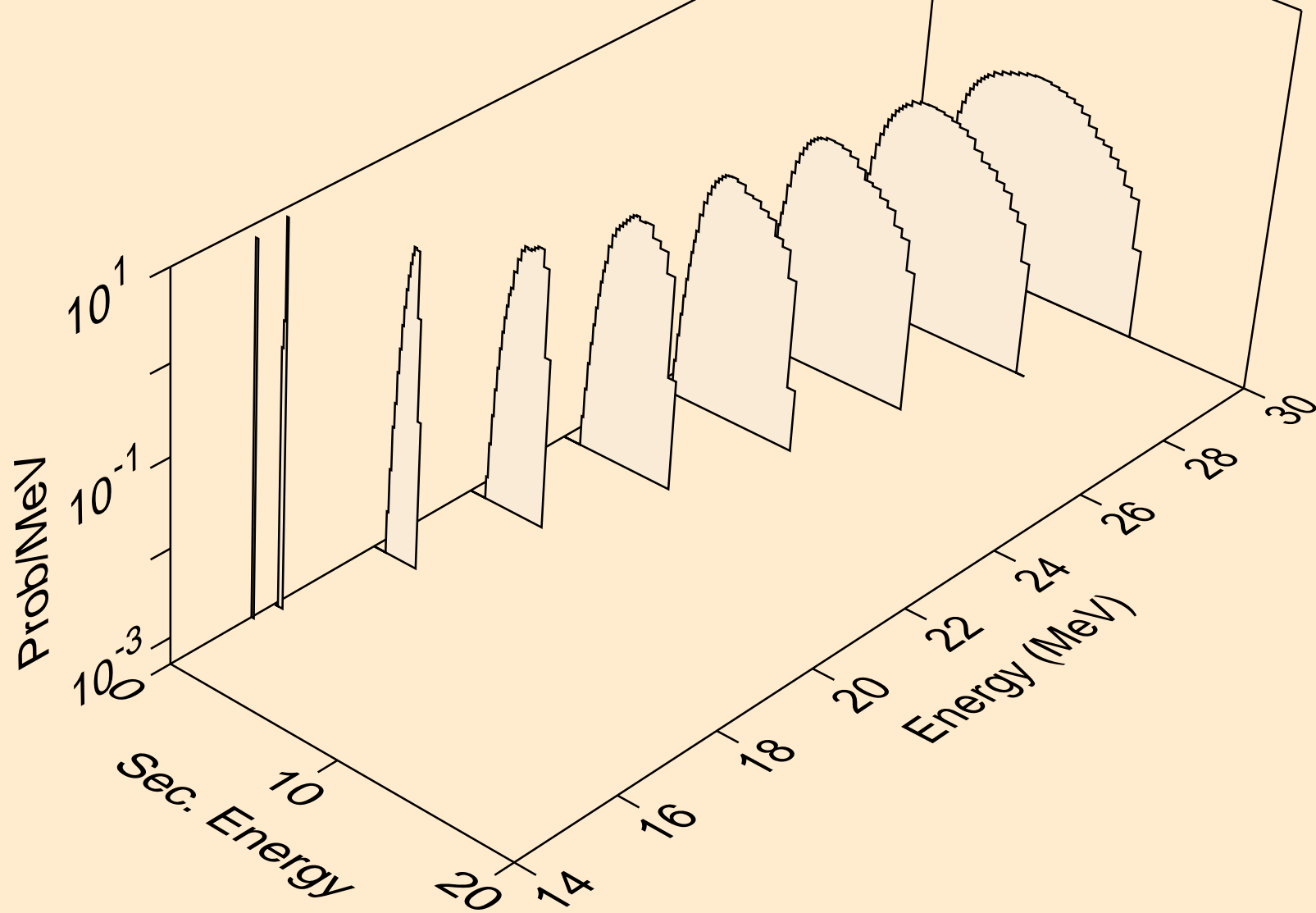
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protons from (n,pt)



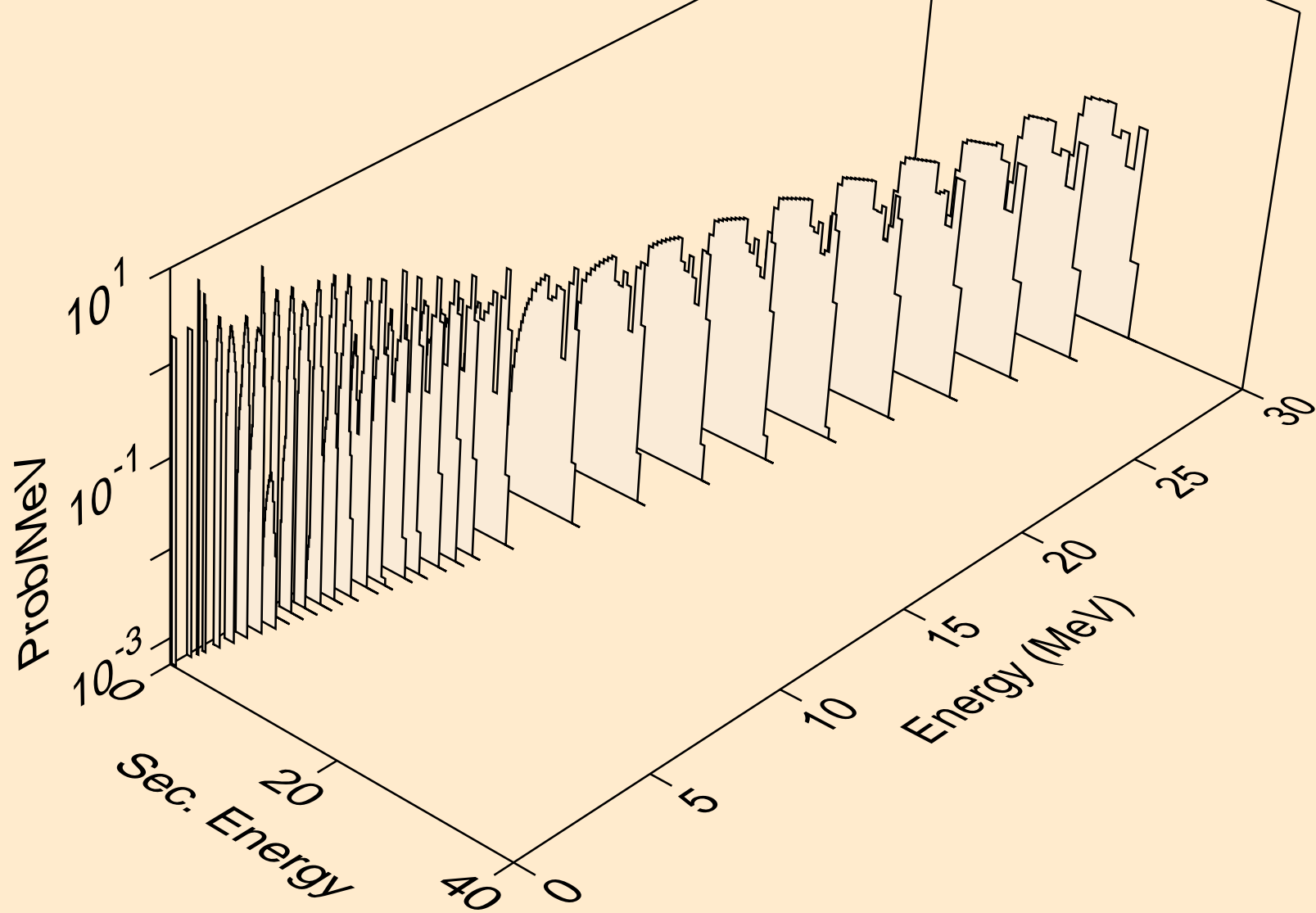
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deuterons from (n,x)



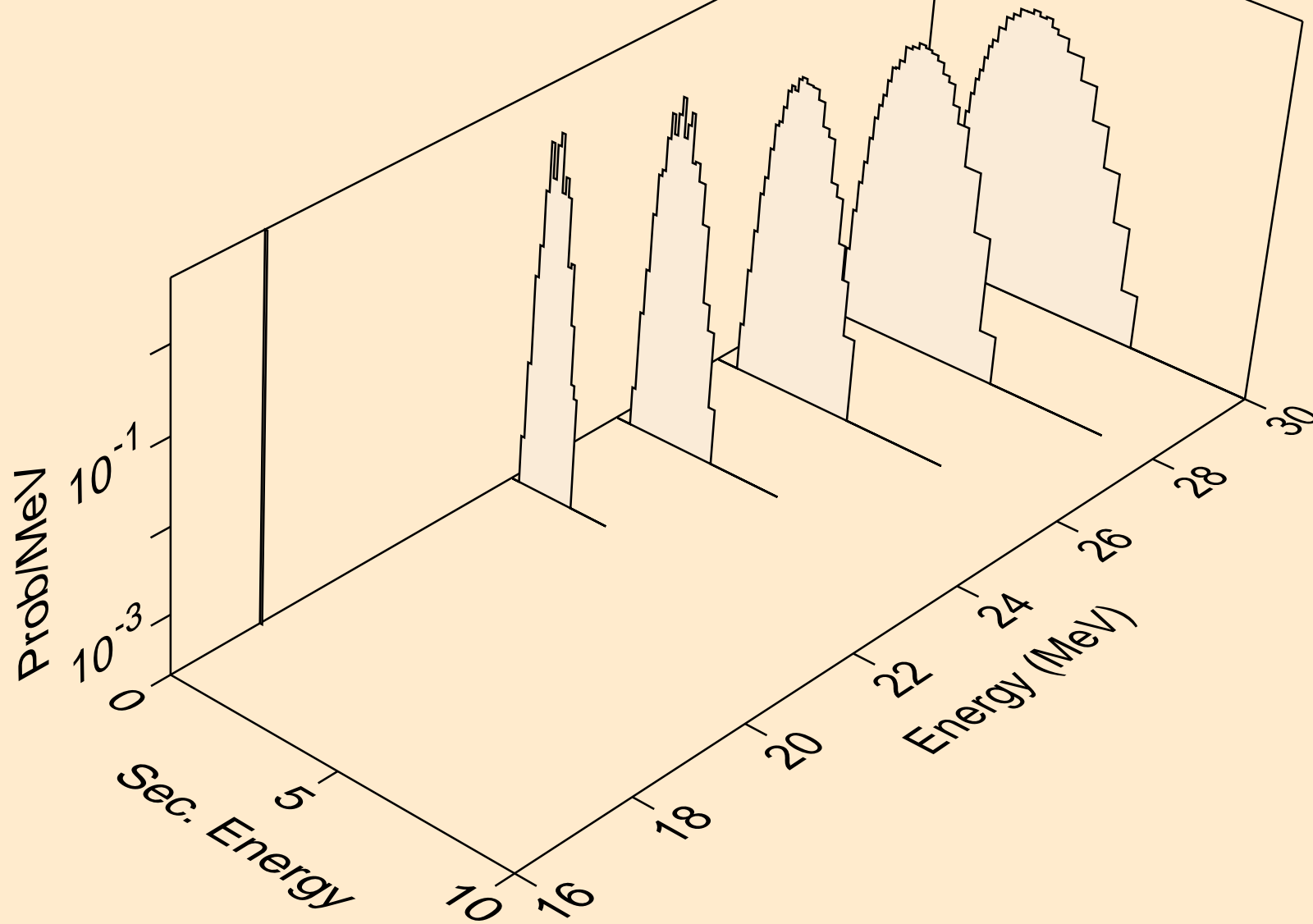
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deuterons from (n,n\*)d



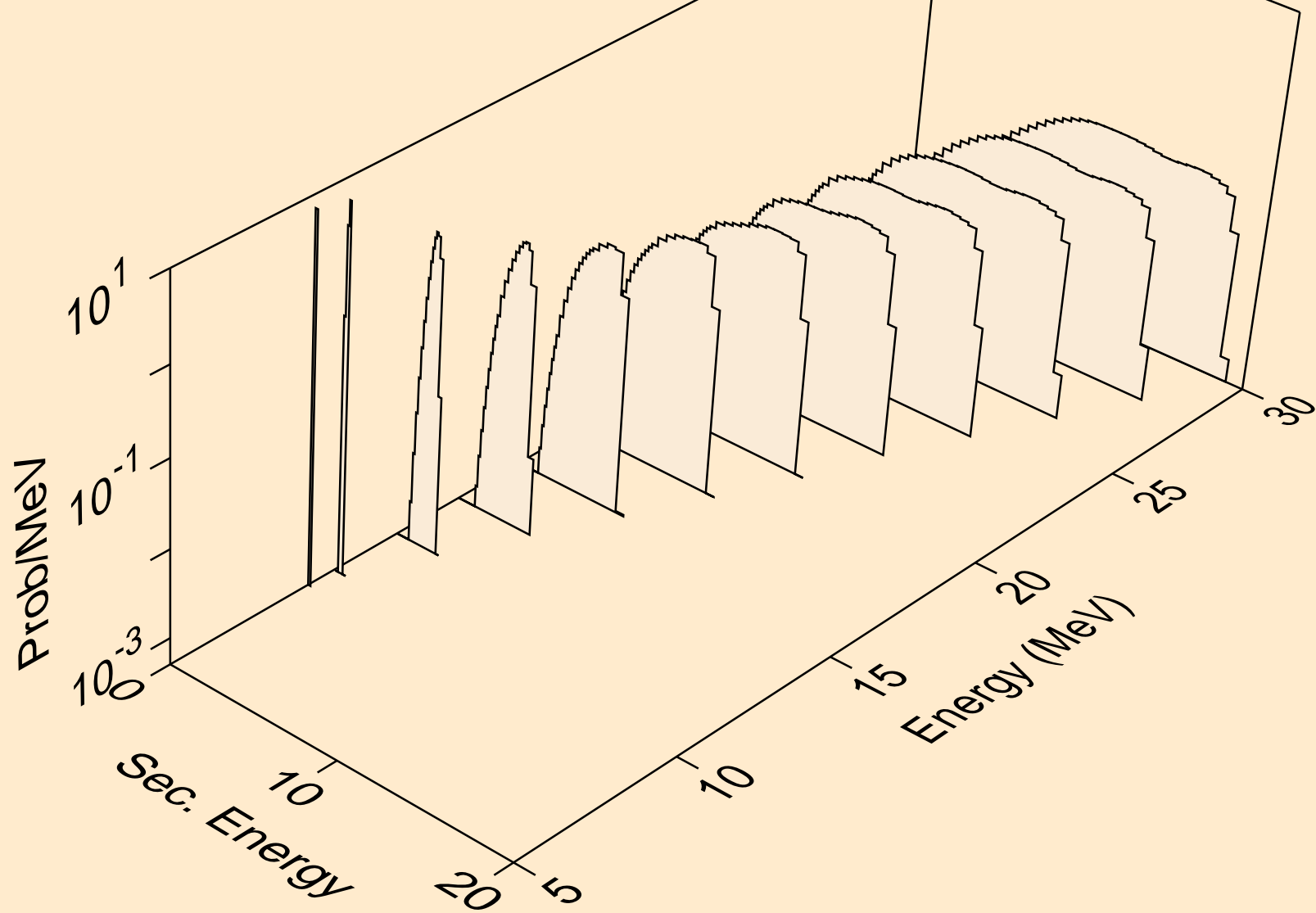
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deuterons from (n,d)



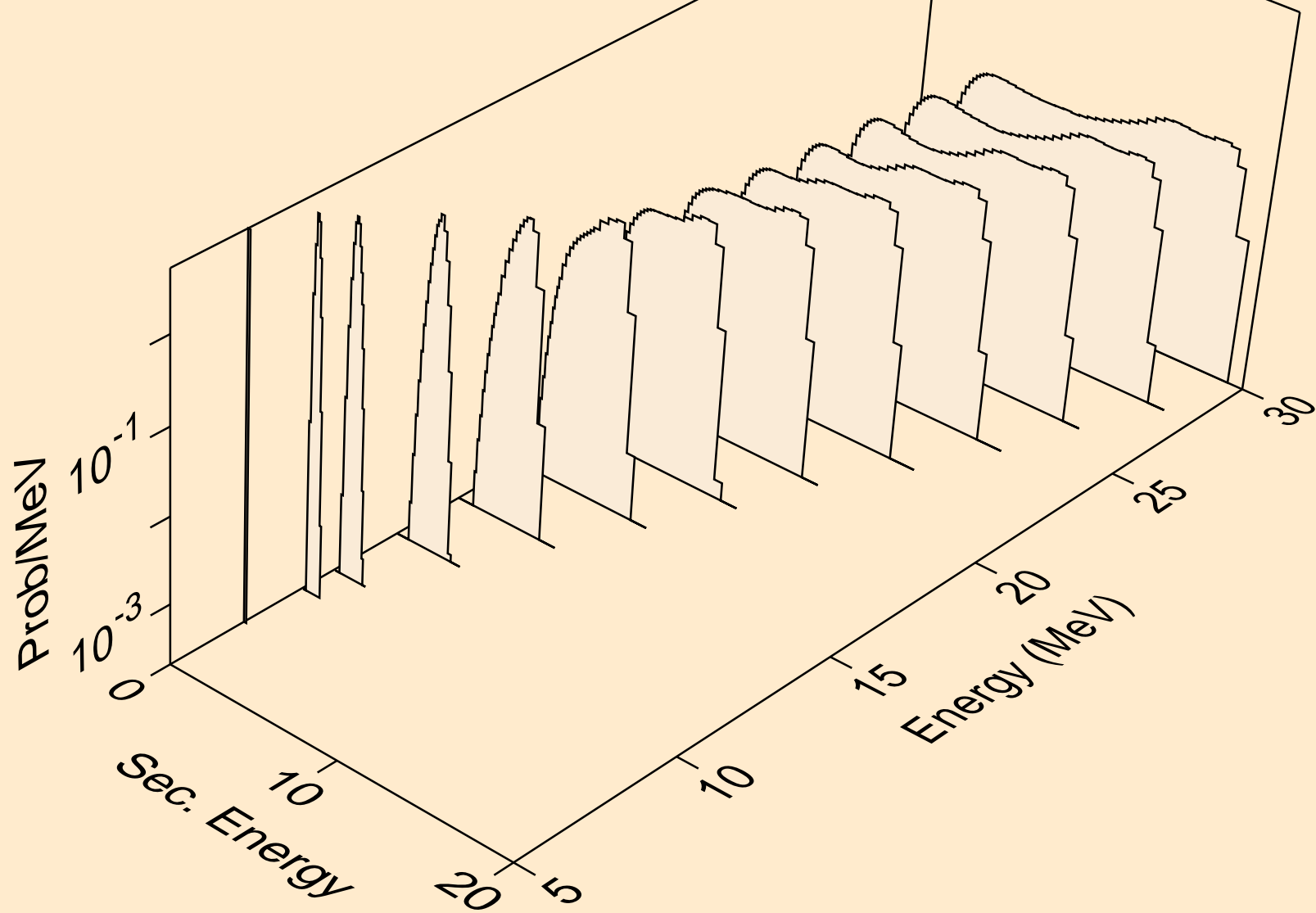
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d2a)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

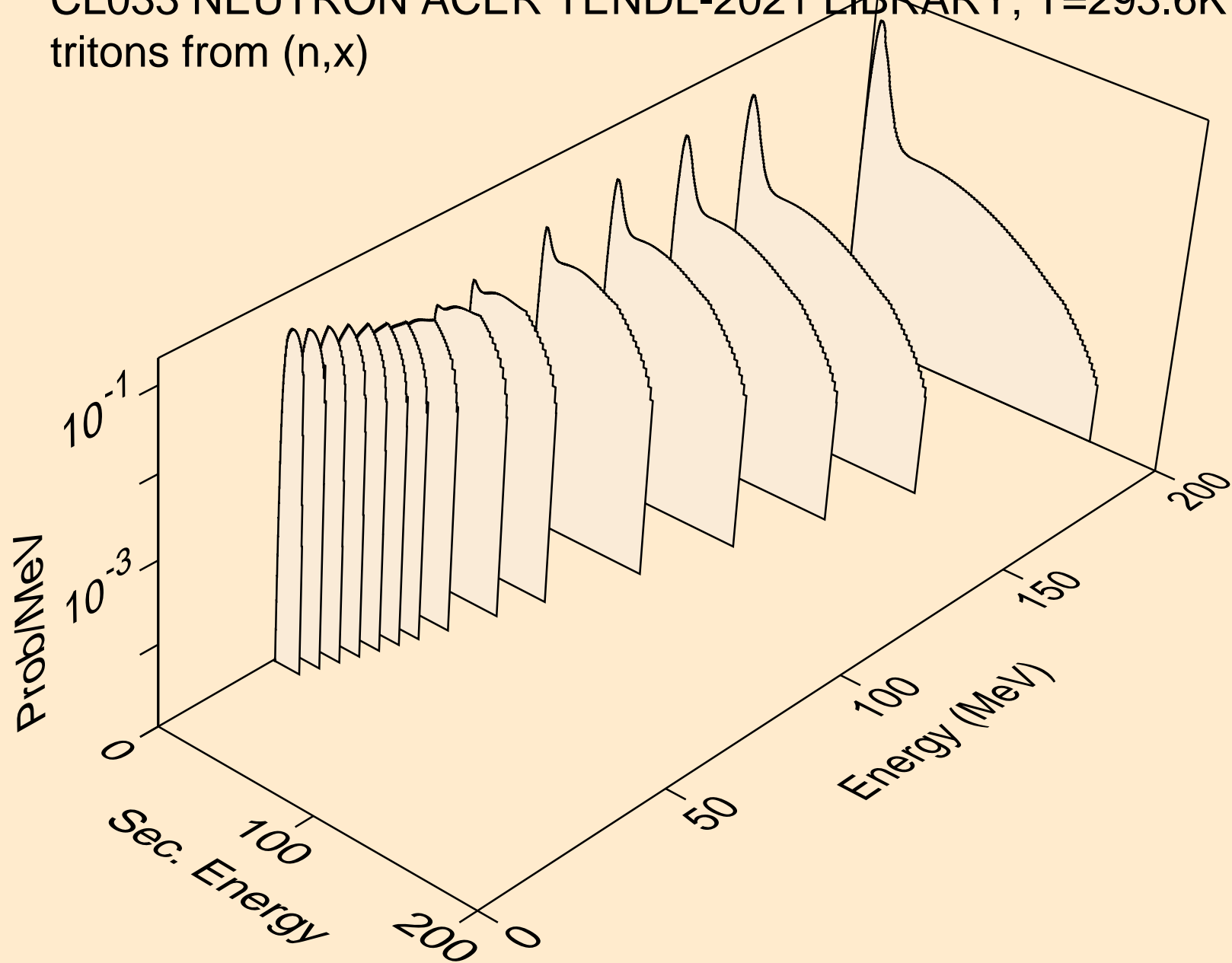


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deuterons from (n,da)

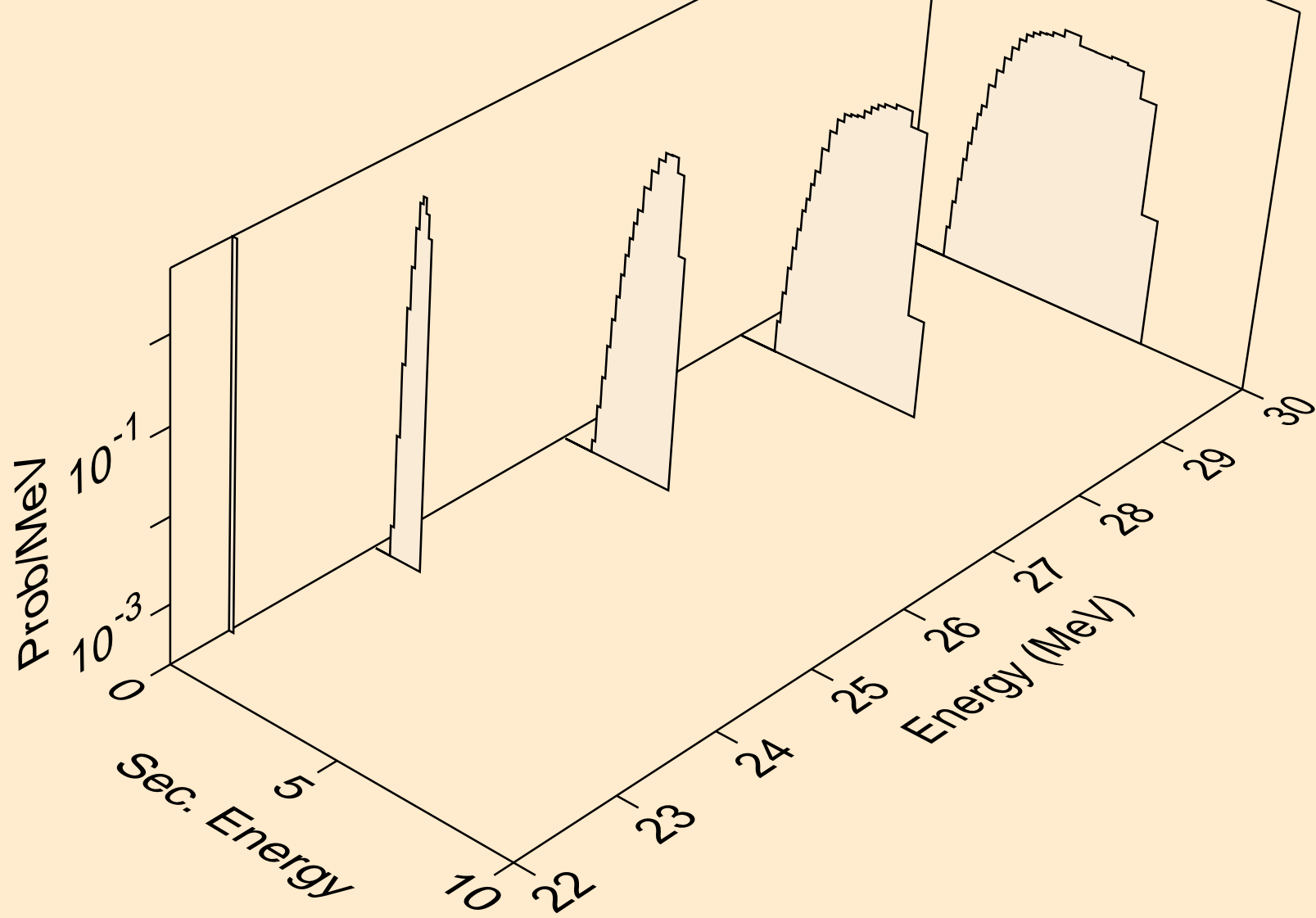




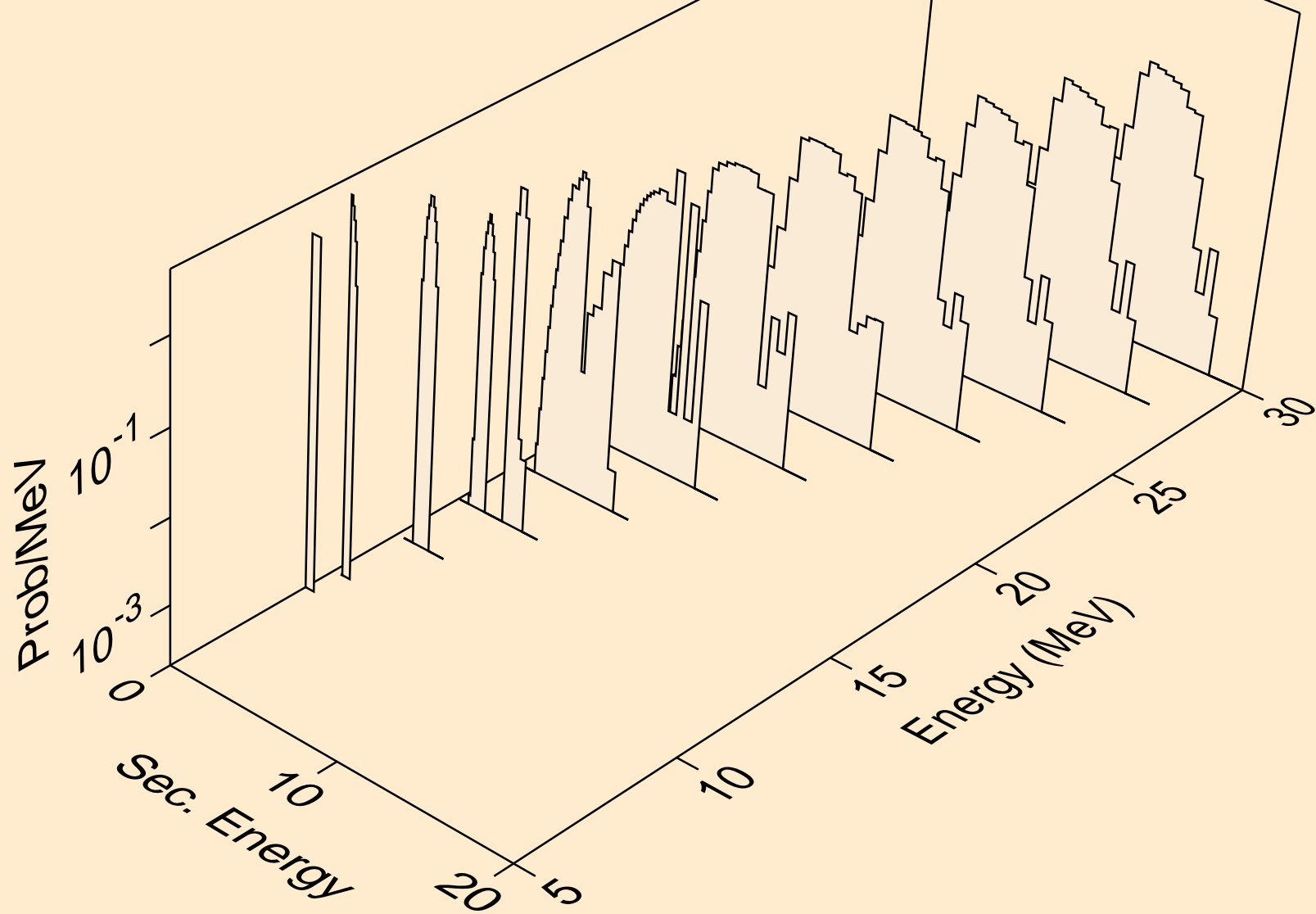
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tritons from (n,x)



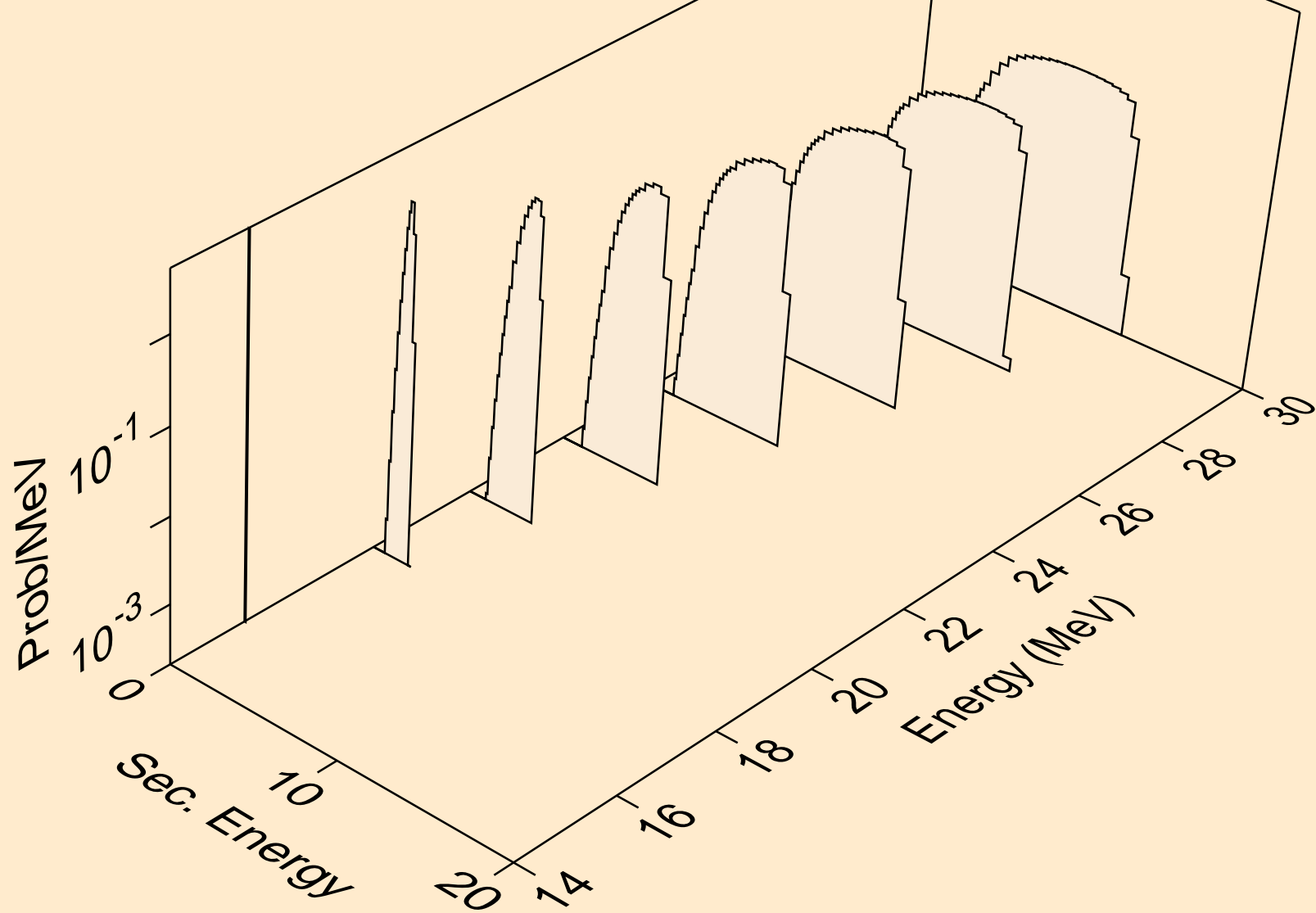
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tritons from (n,n\*)t



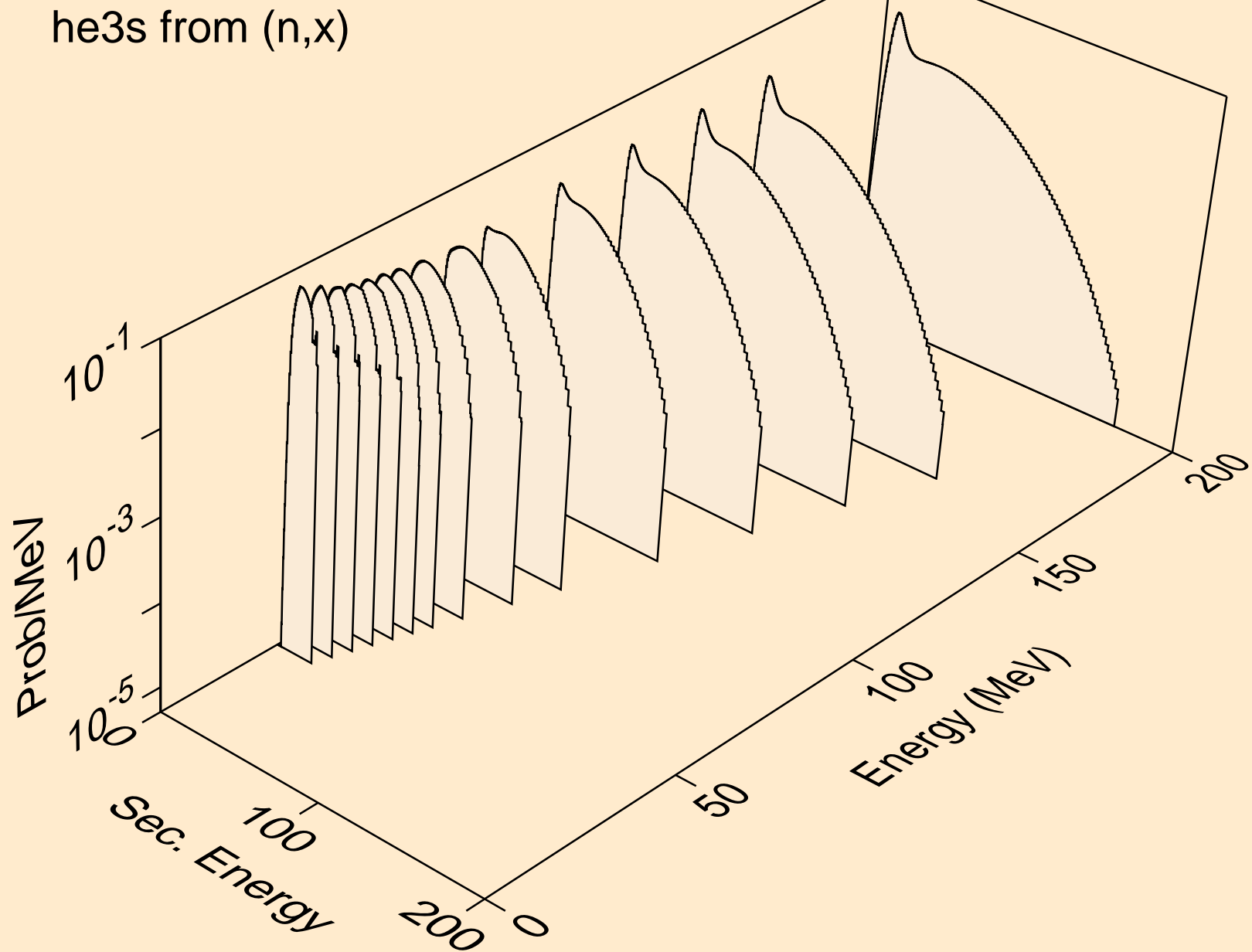
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tritons from (n,t)



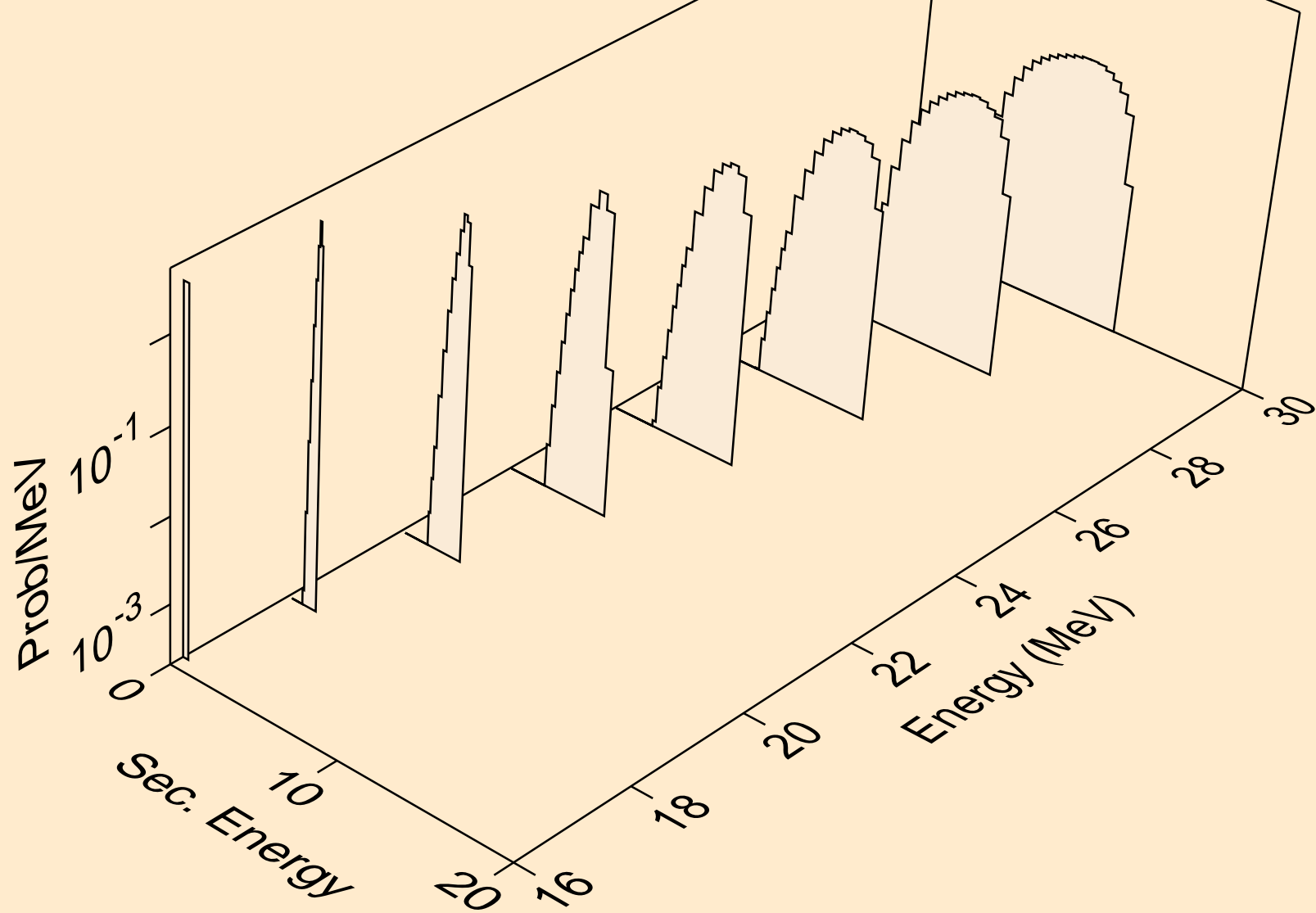
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tritons from (n,pt)



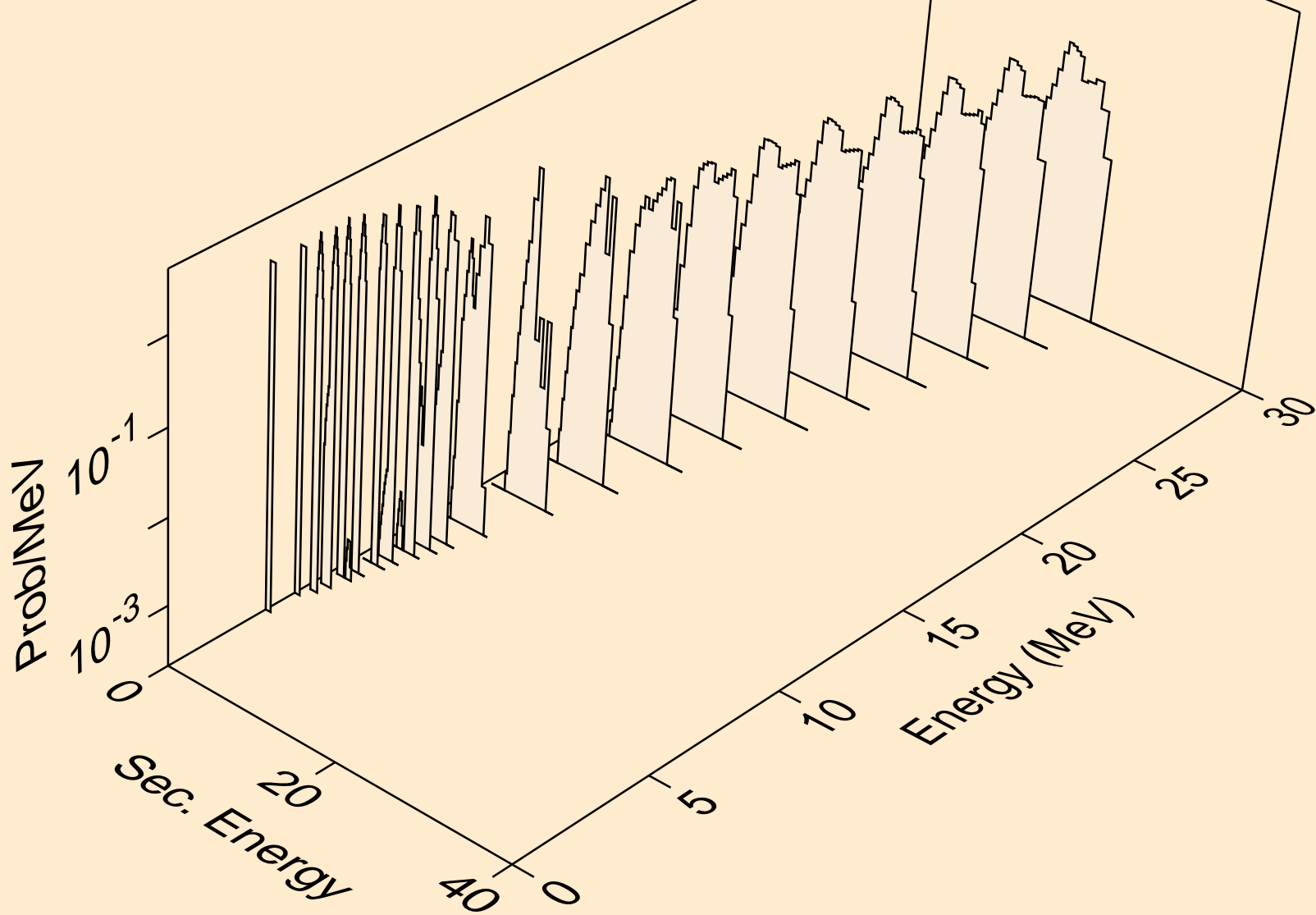
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he3s from (n,x)



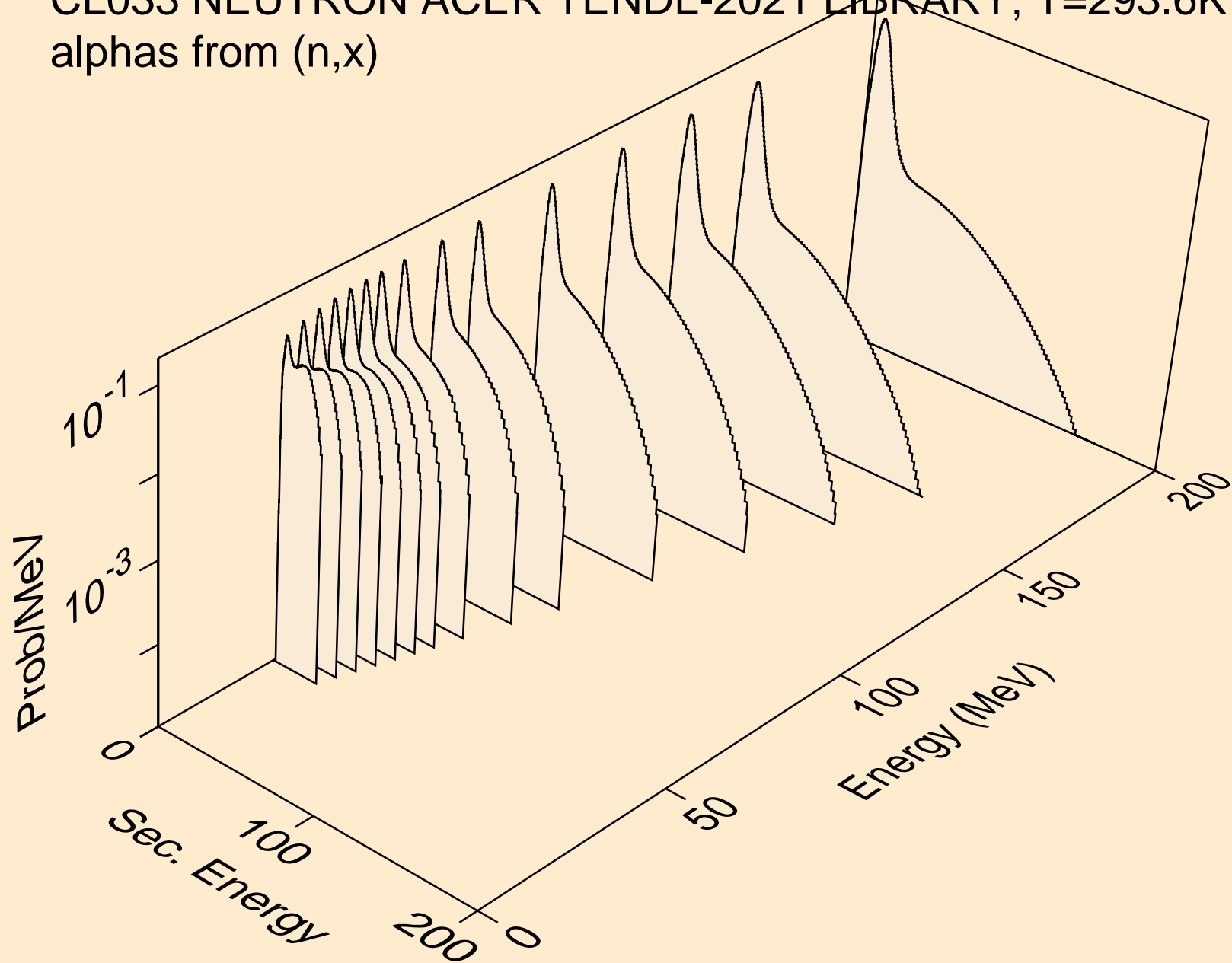
CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

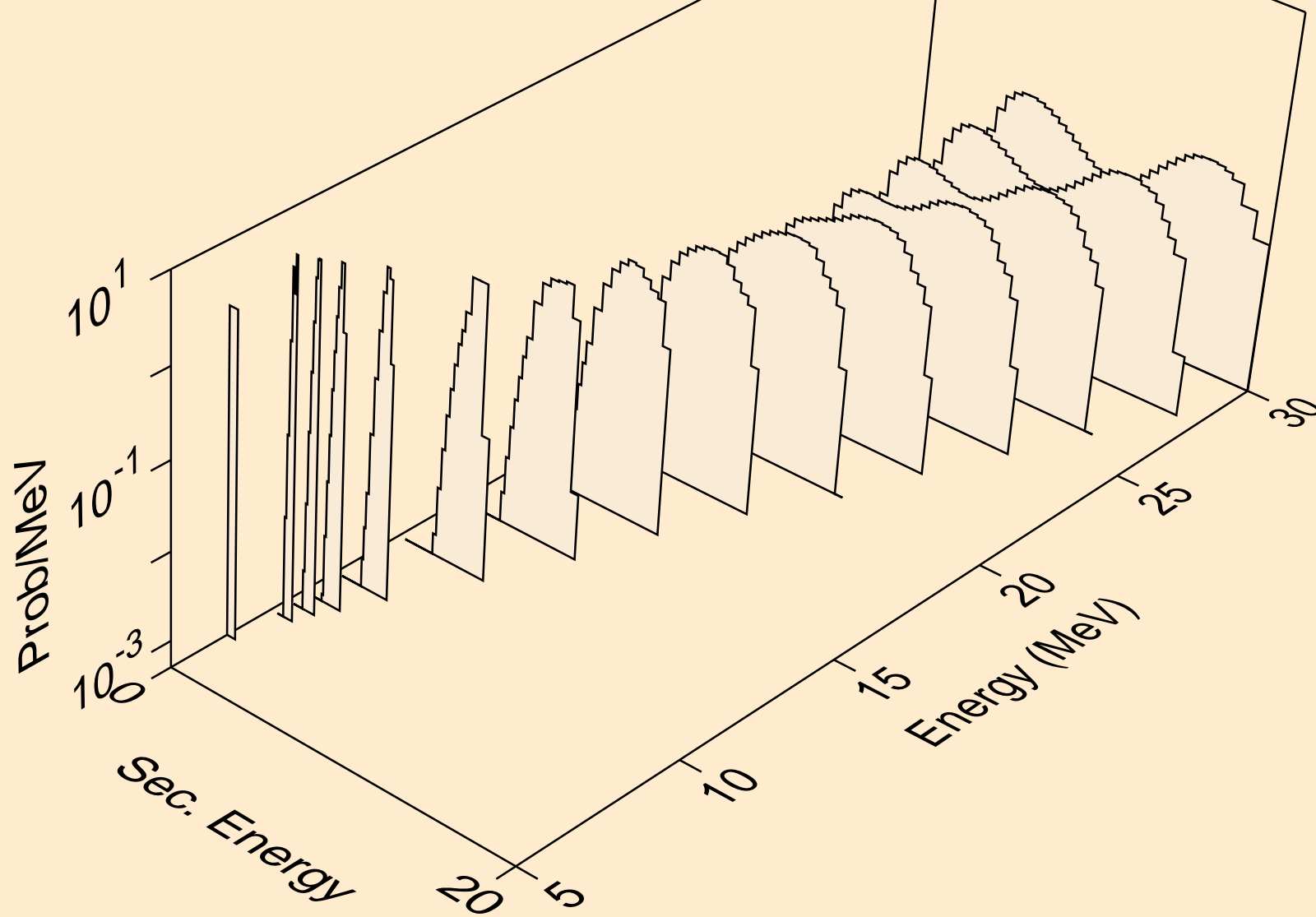


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alphas from (n,x)

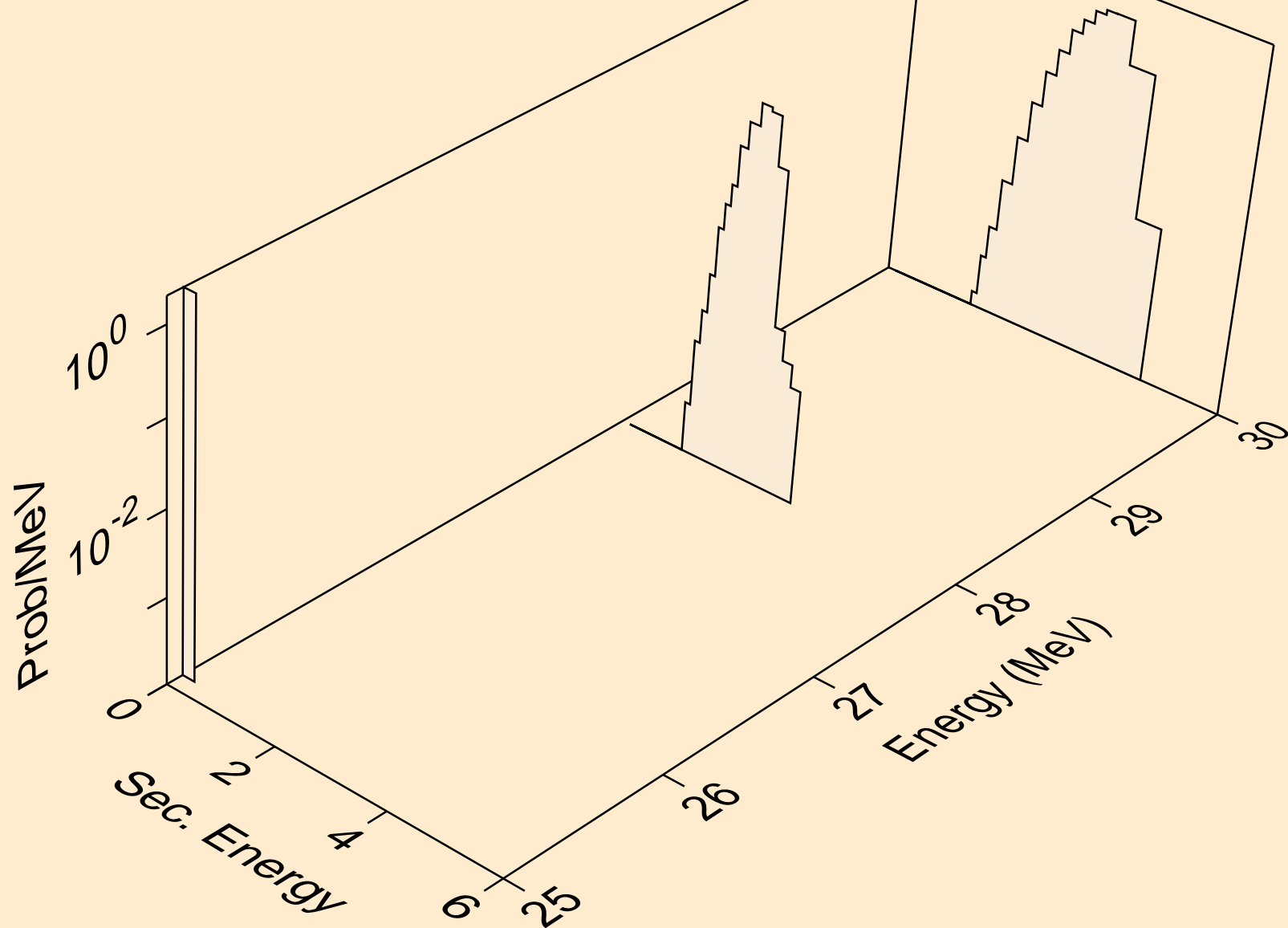




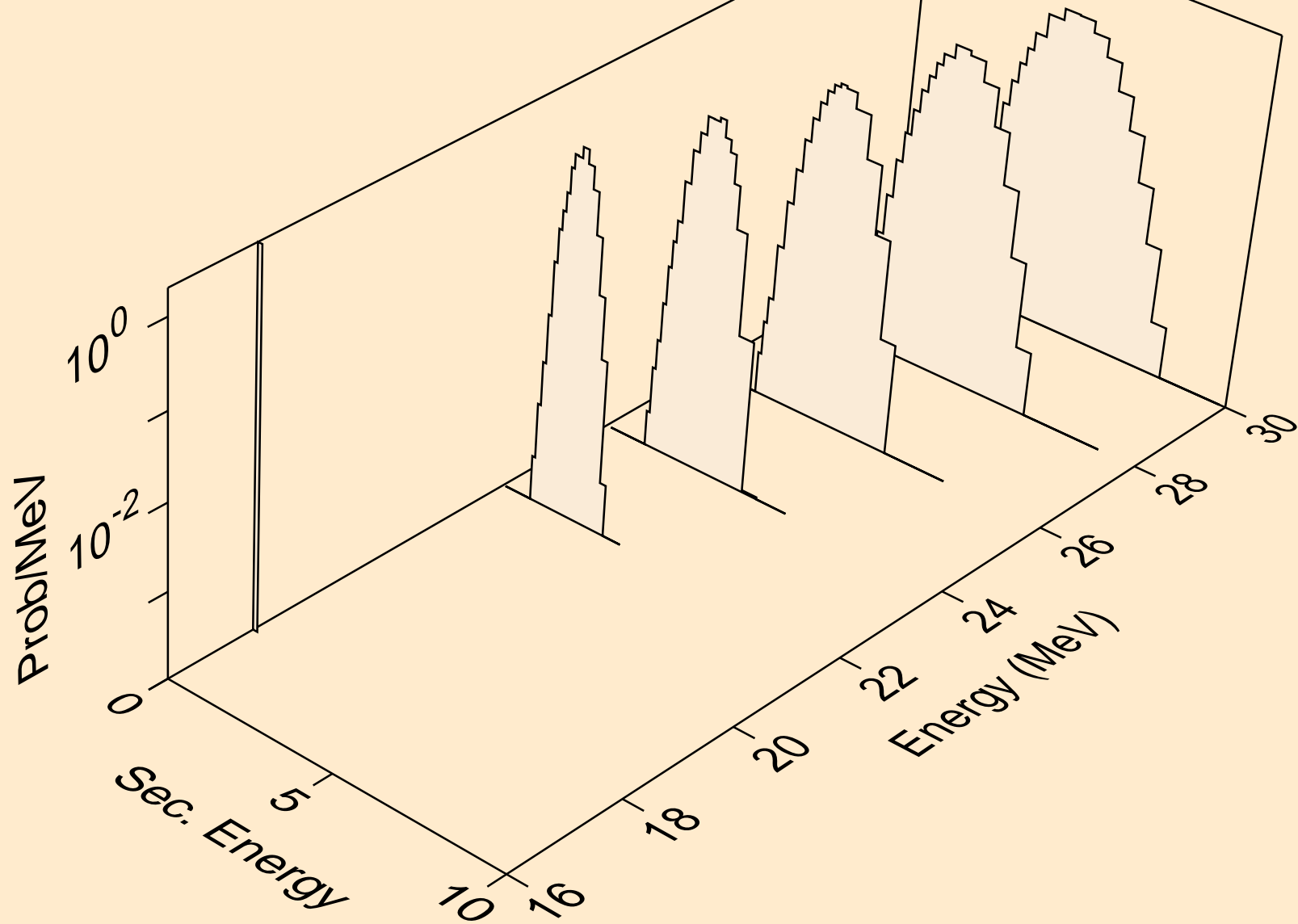
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alphas from (n,n\*)a



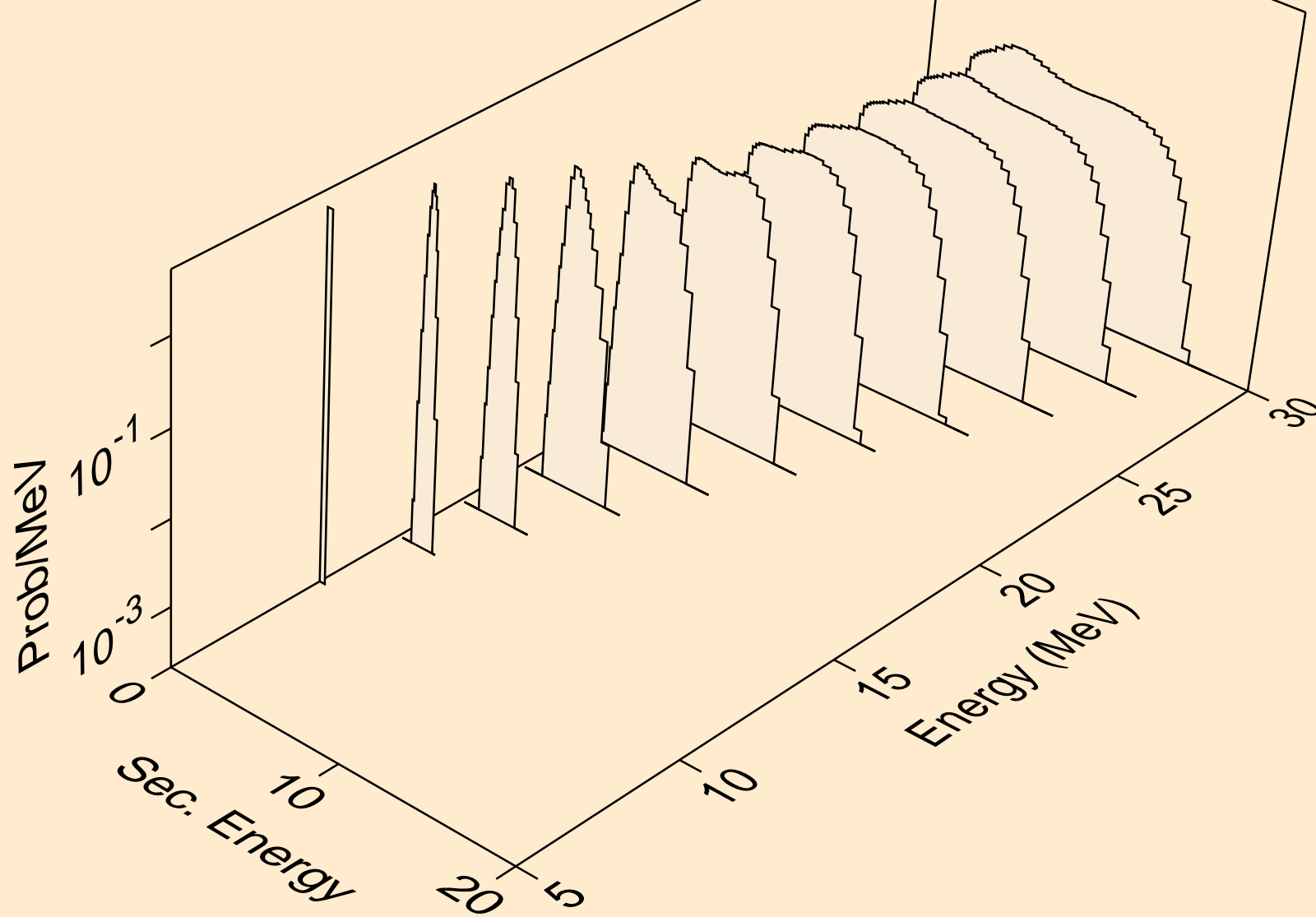
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alphas from (n,2n)a



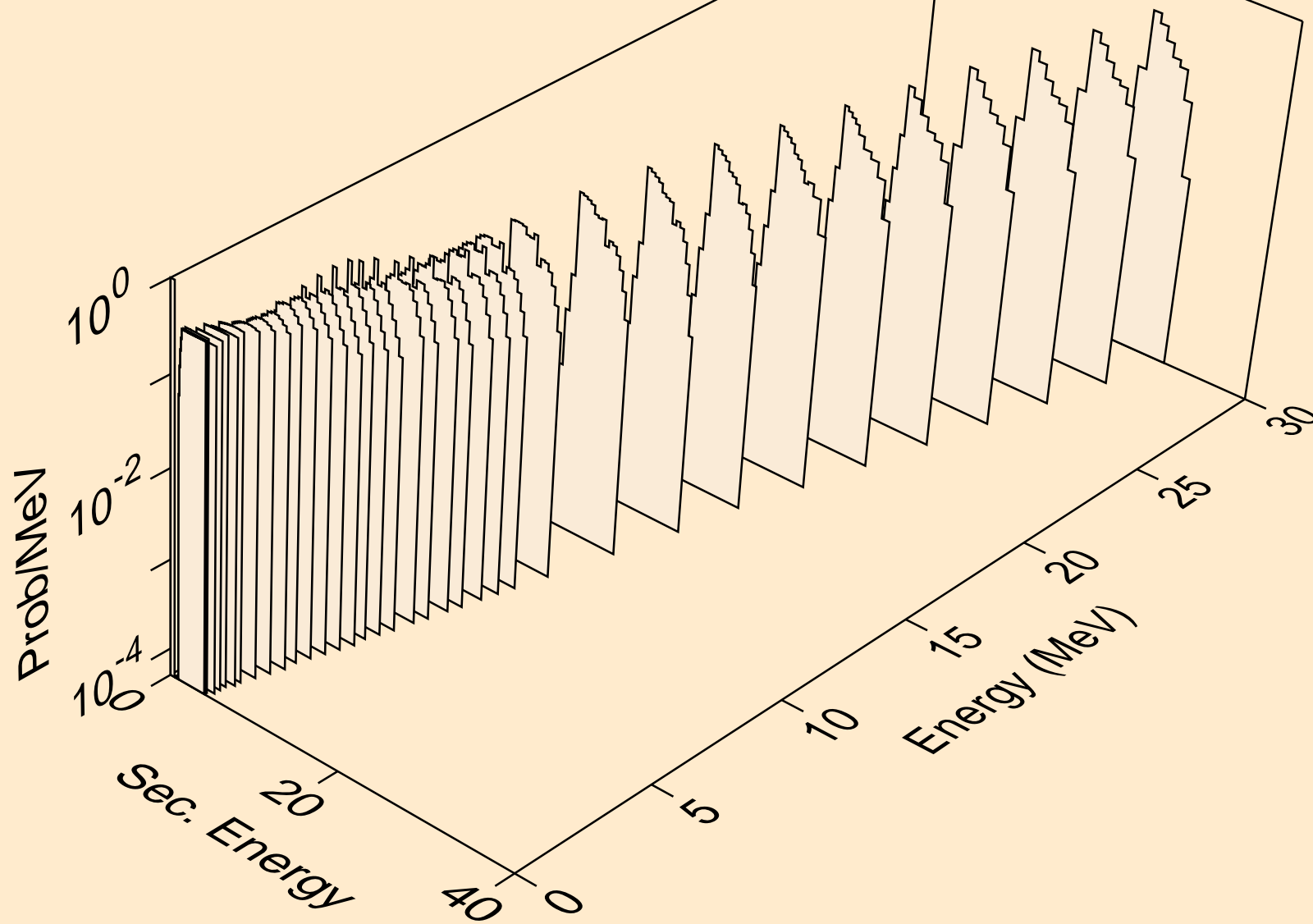
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alphas from (n,n\*)2a



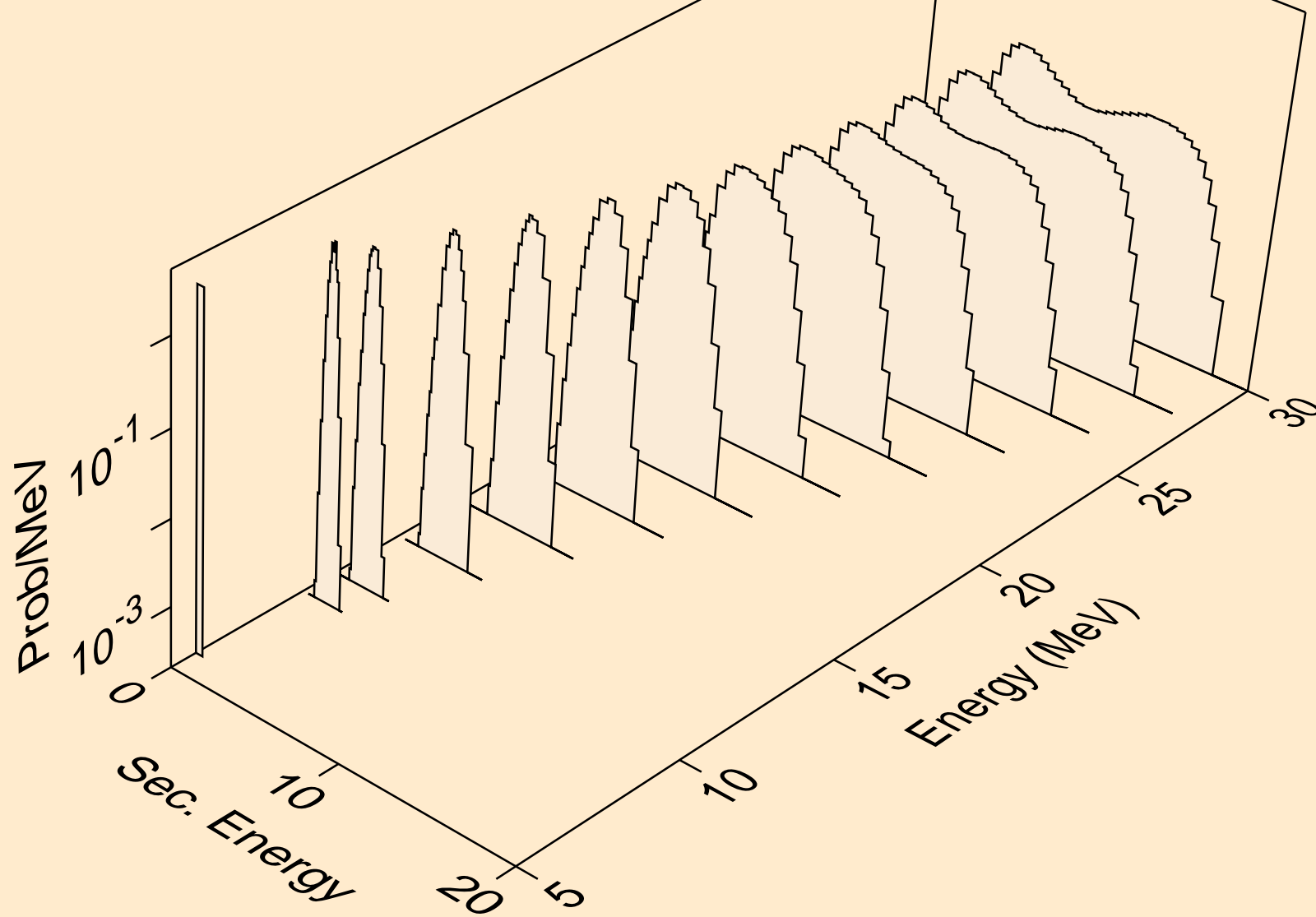
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alphas from (n,npa)



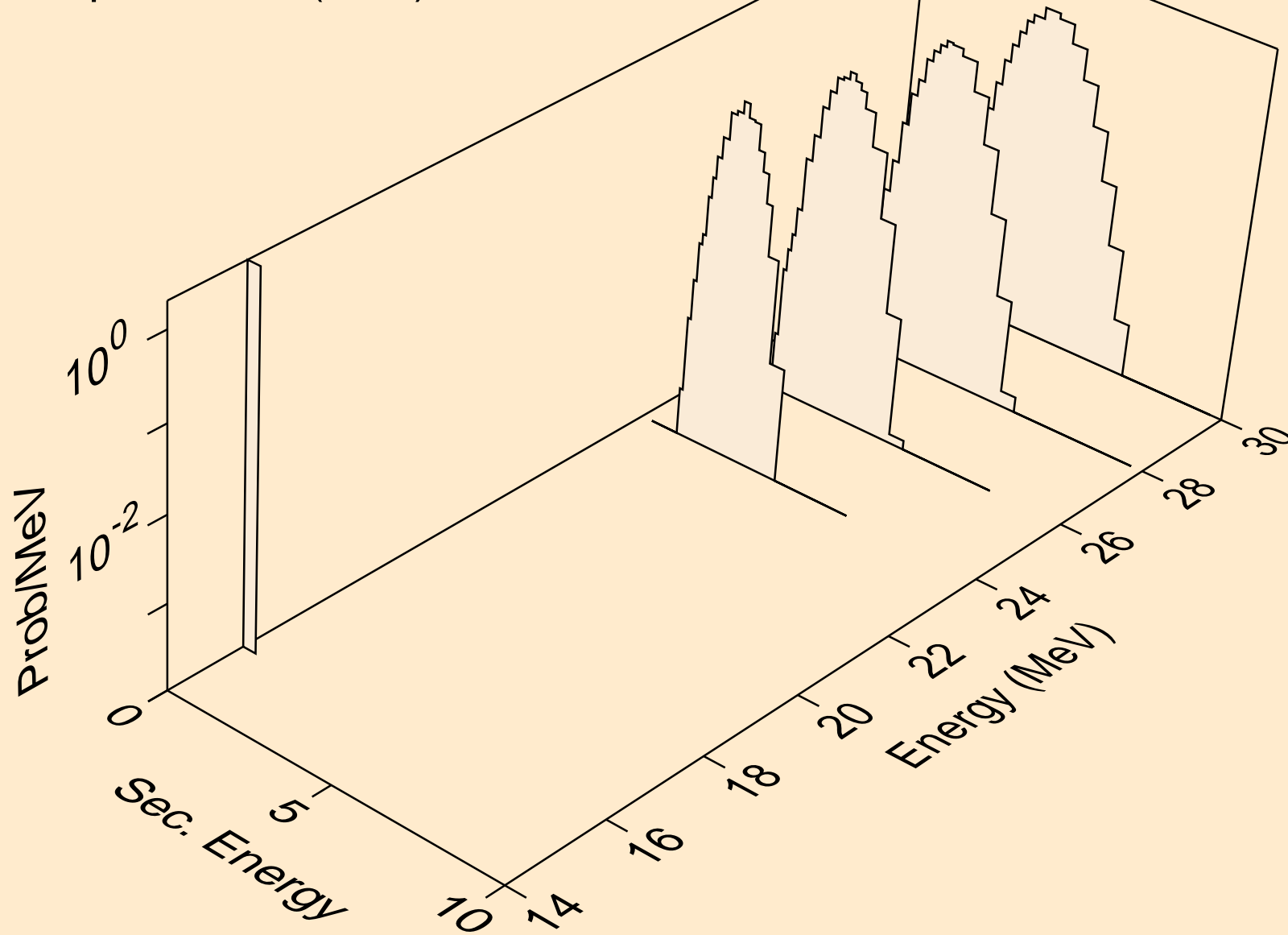
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alphas from (n,a)



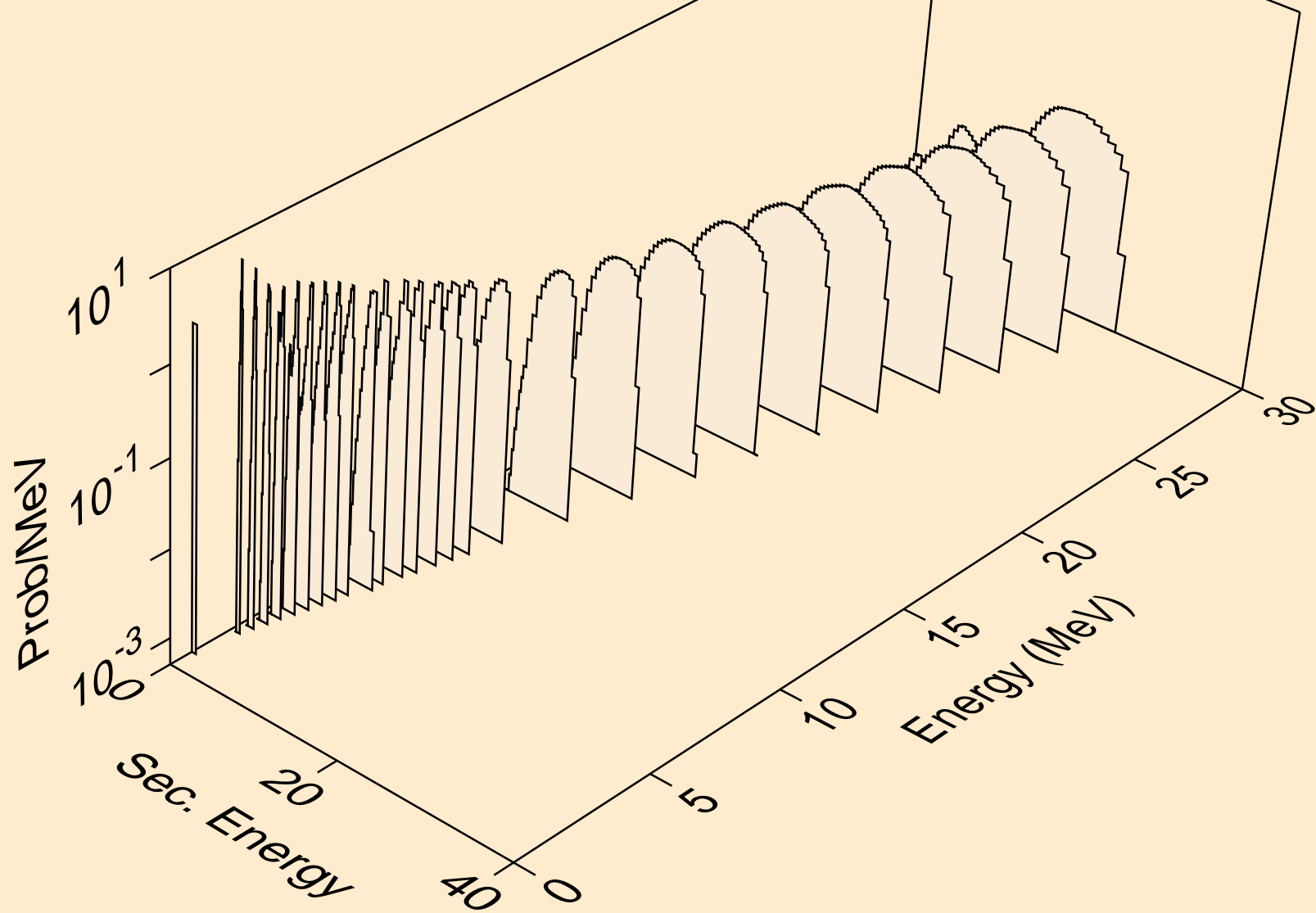
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alphas from (n,2a)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)

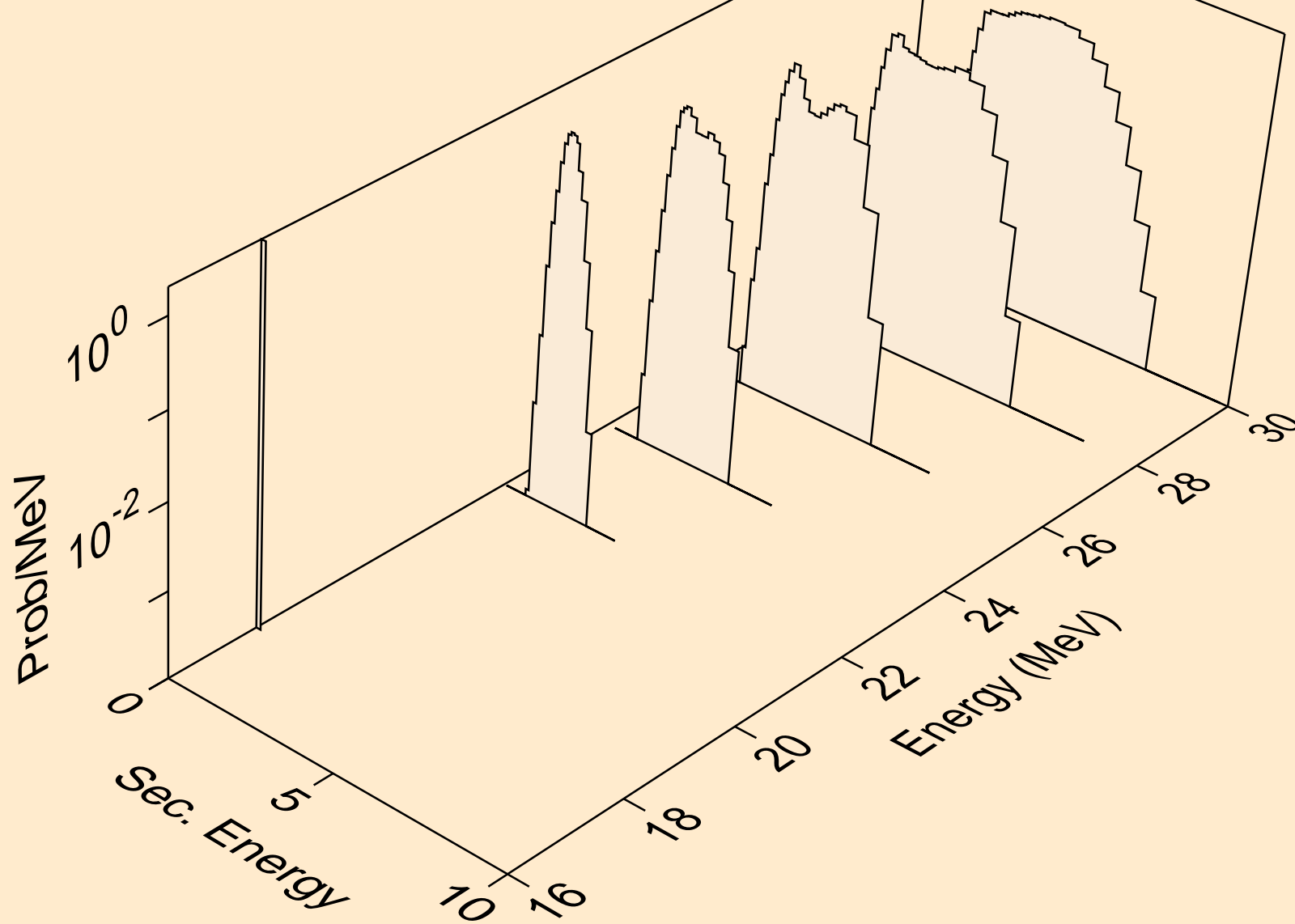


CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)





CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



CL033 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

