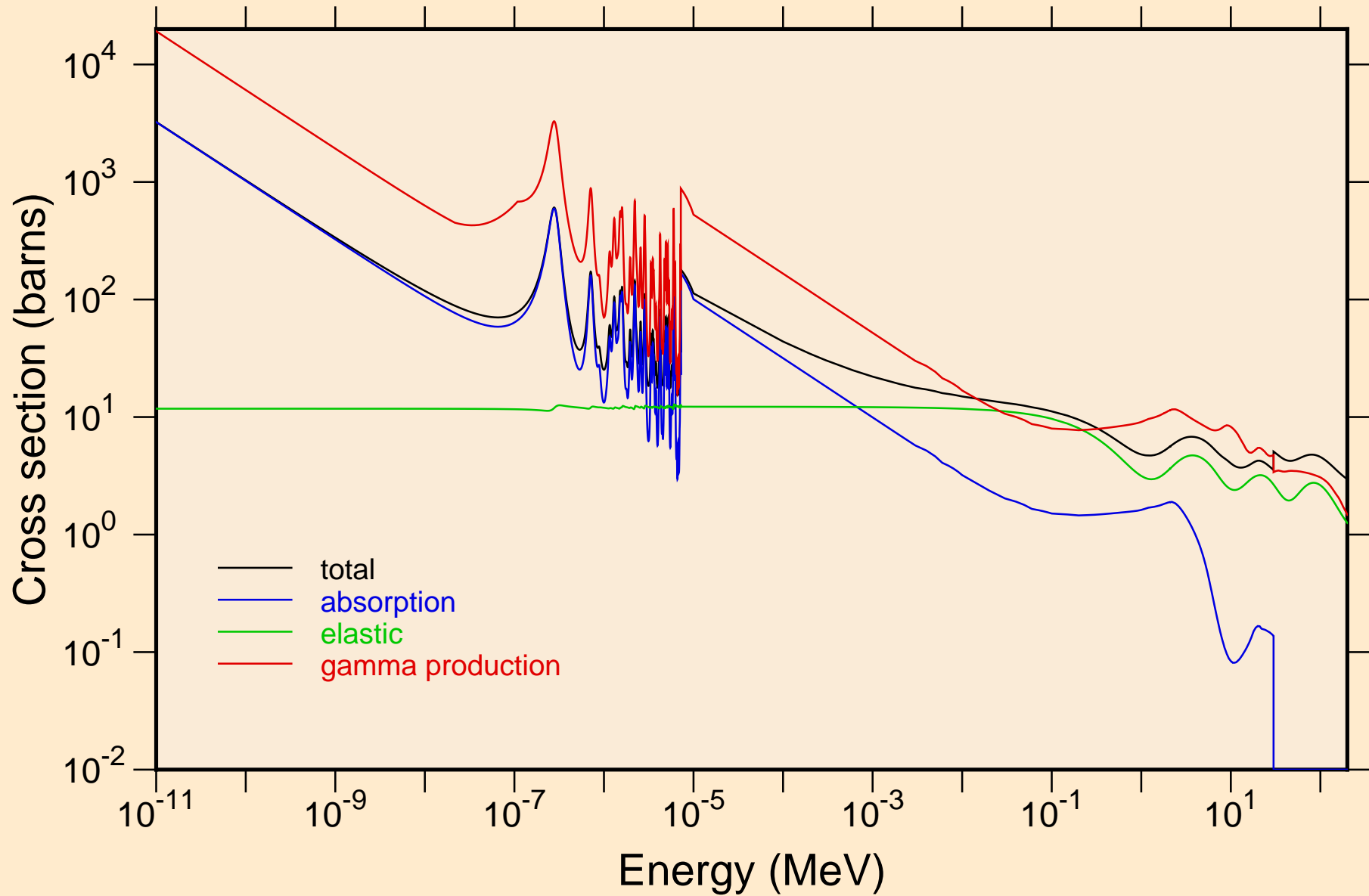
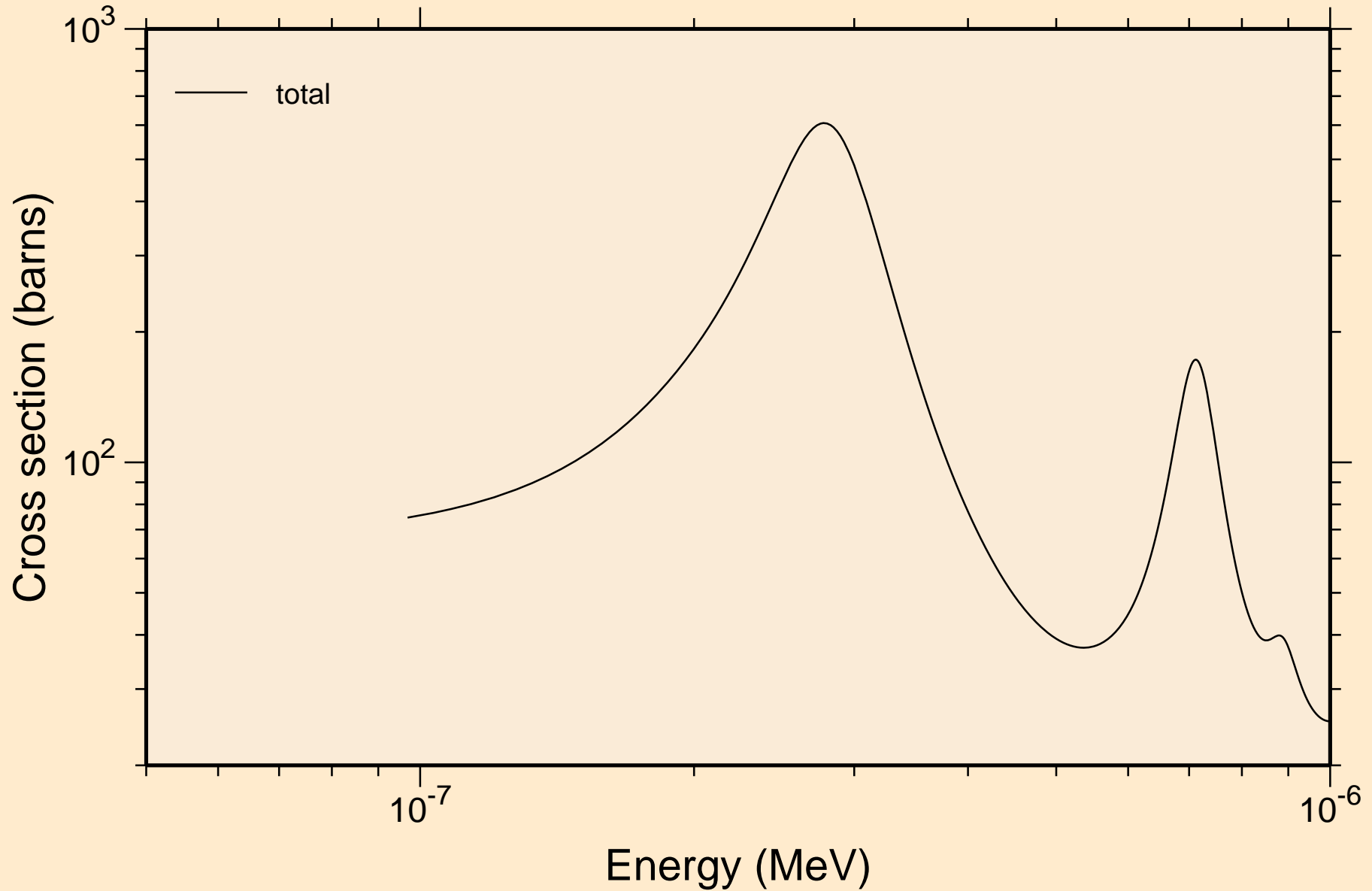


# AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

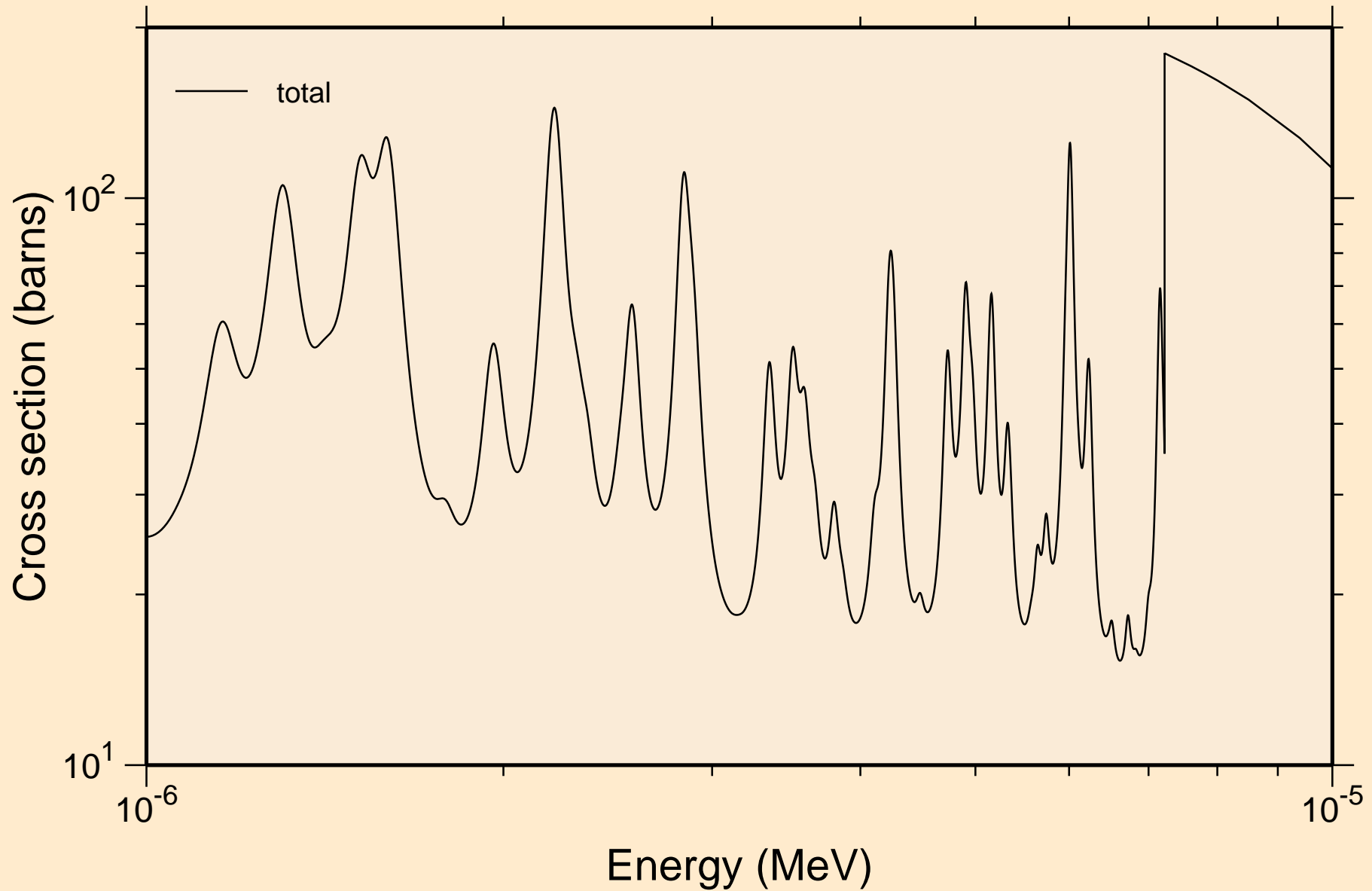
## Principal cross sections



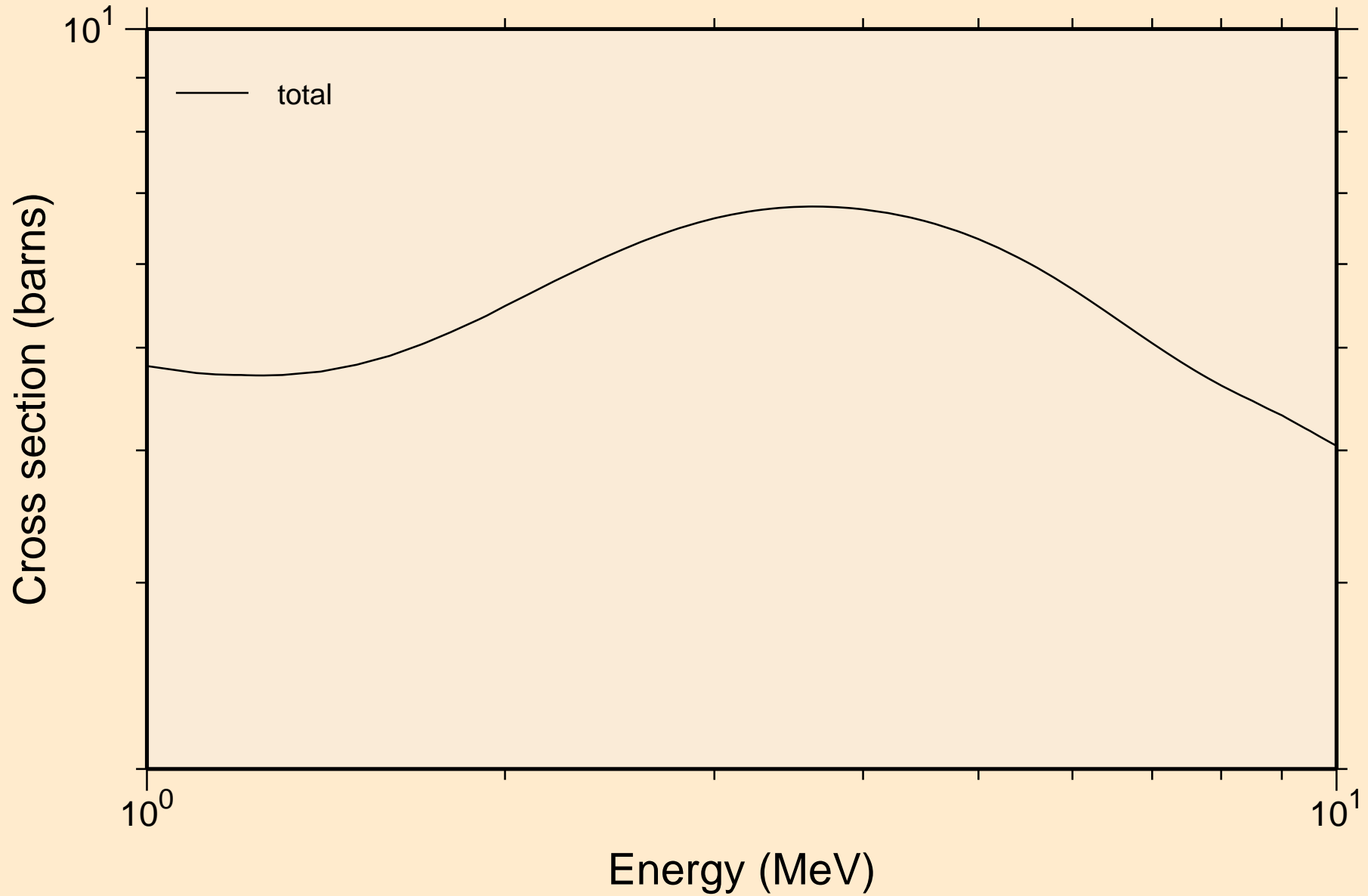
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resonance total cross section



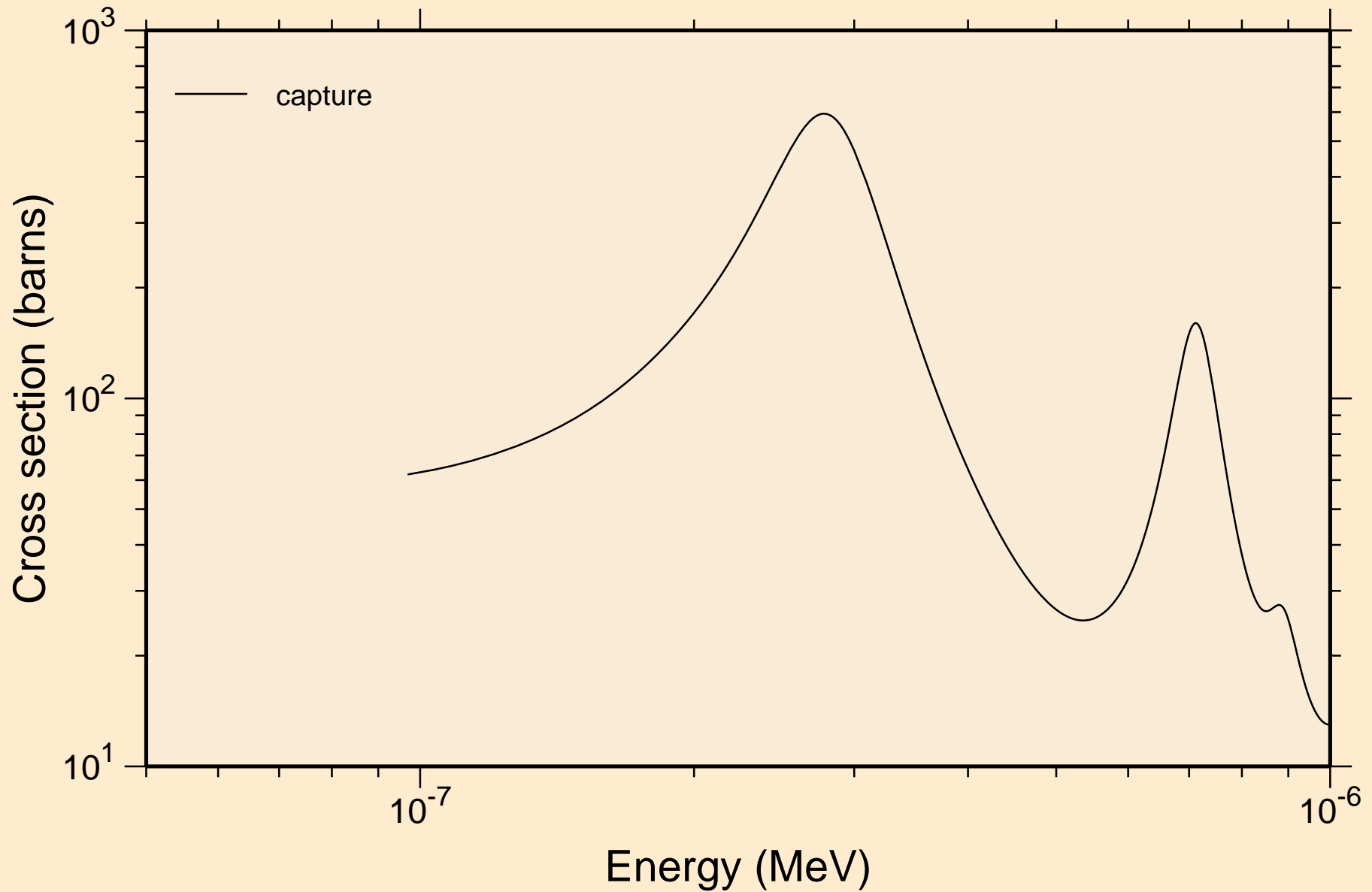
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



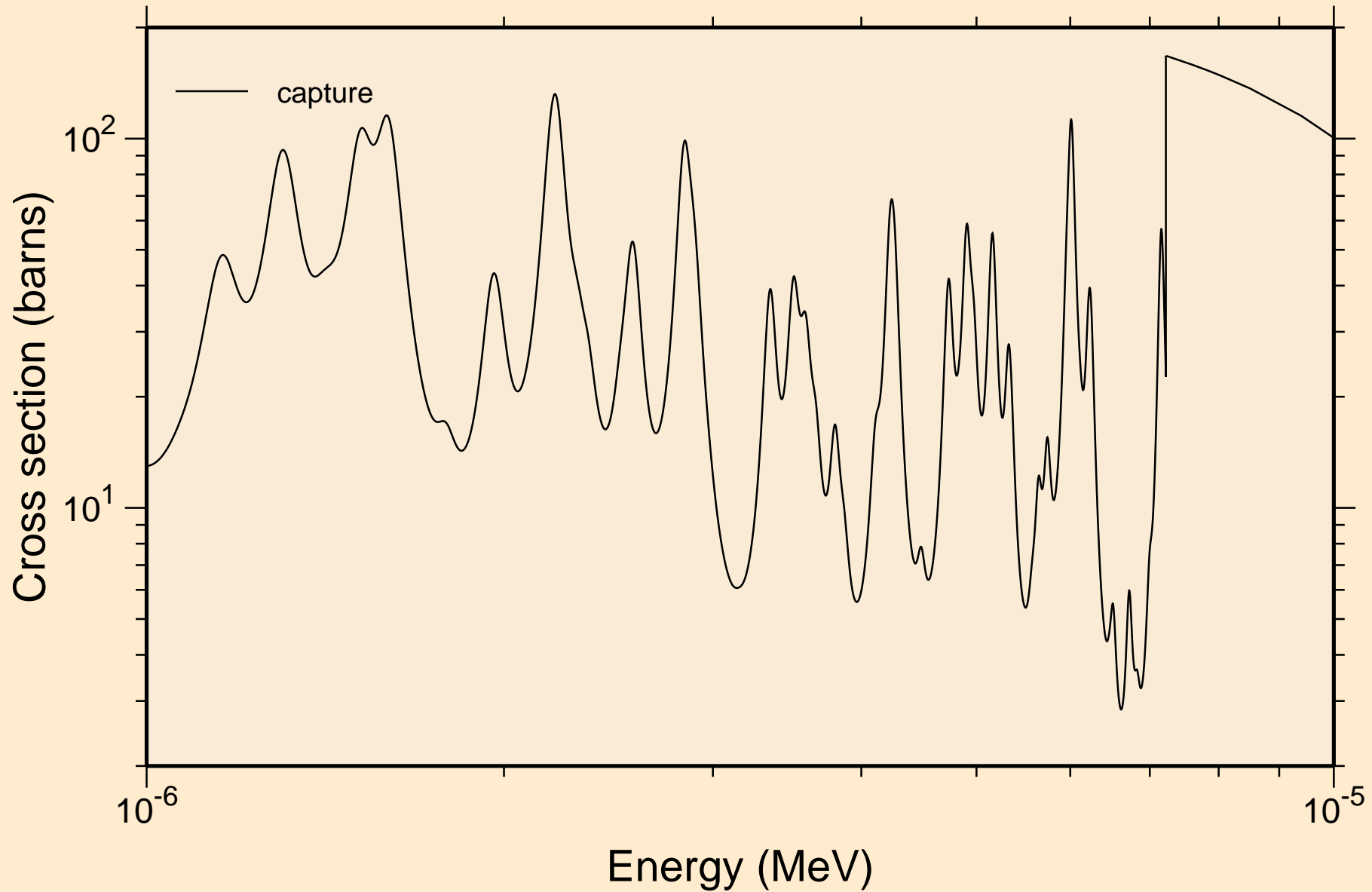
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resonance total cross section



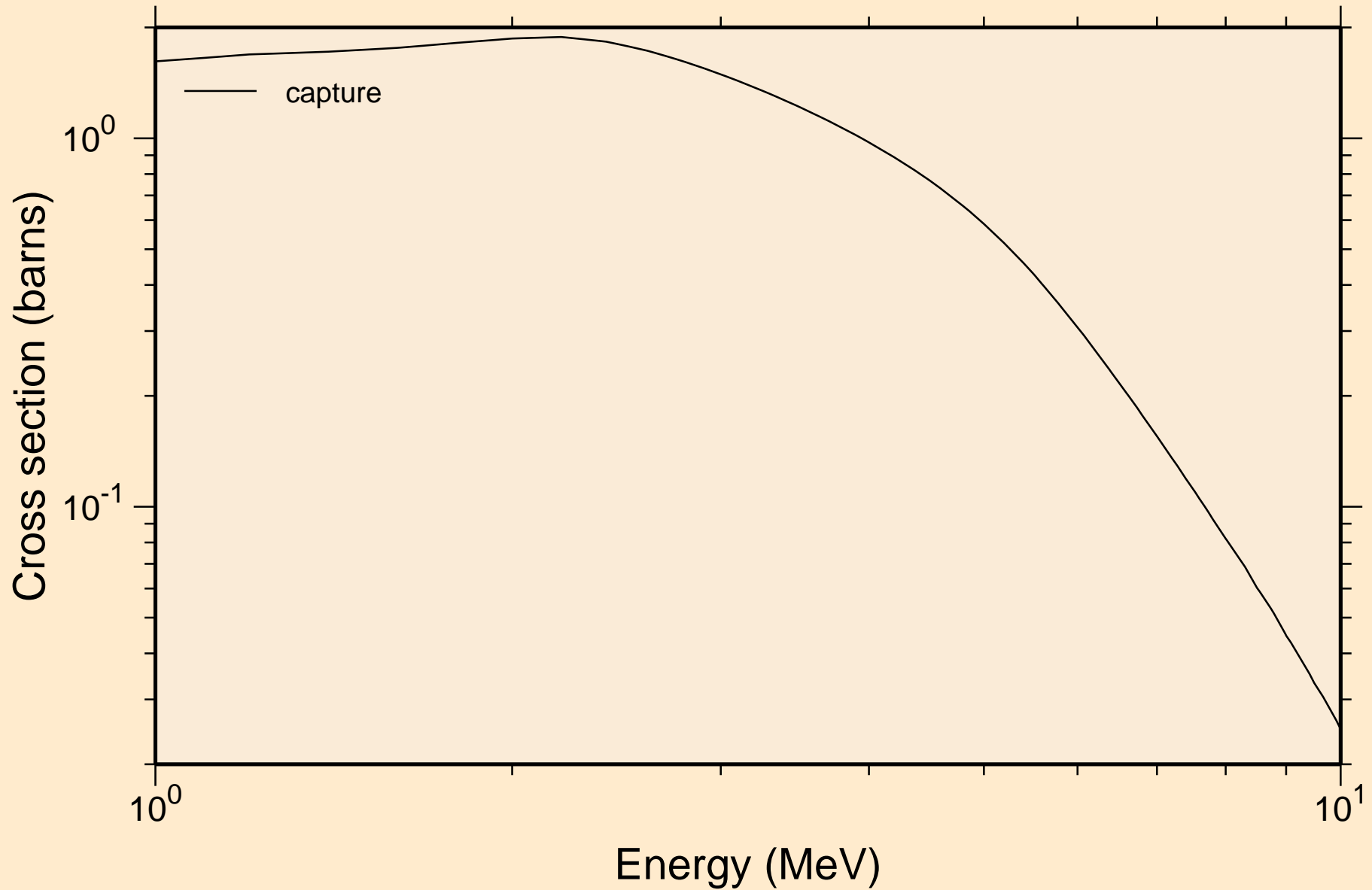
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

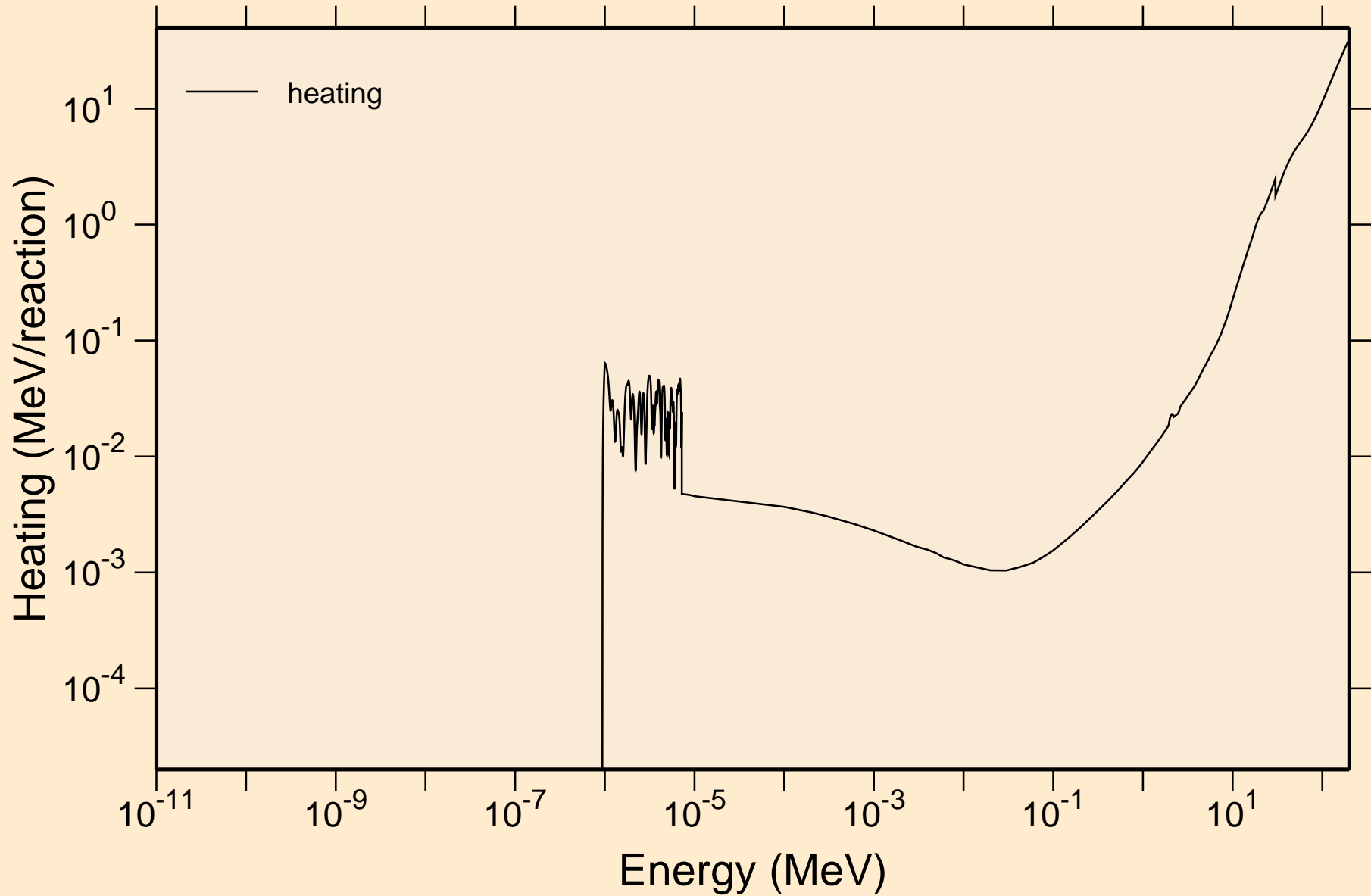


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



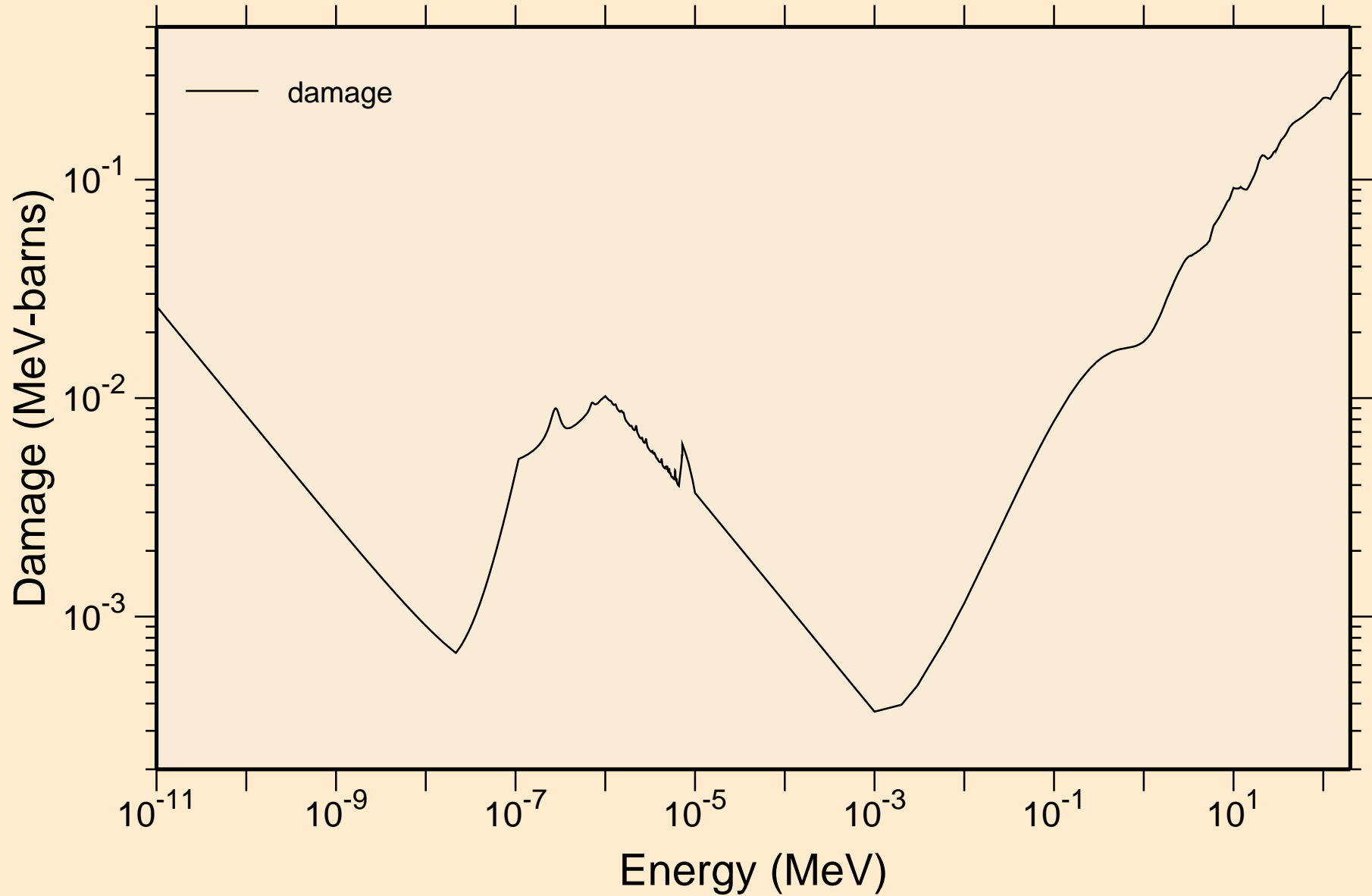
# AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

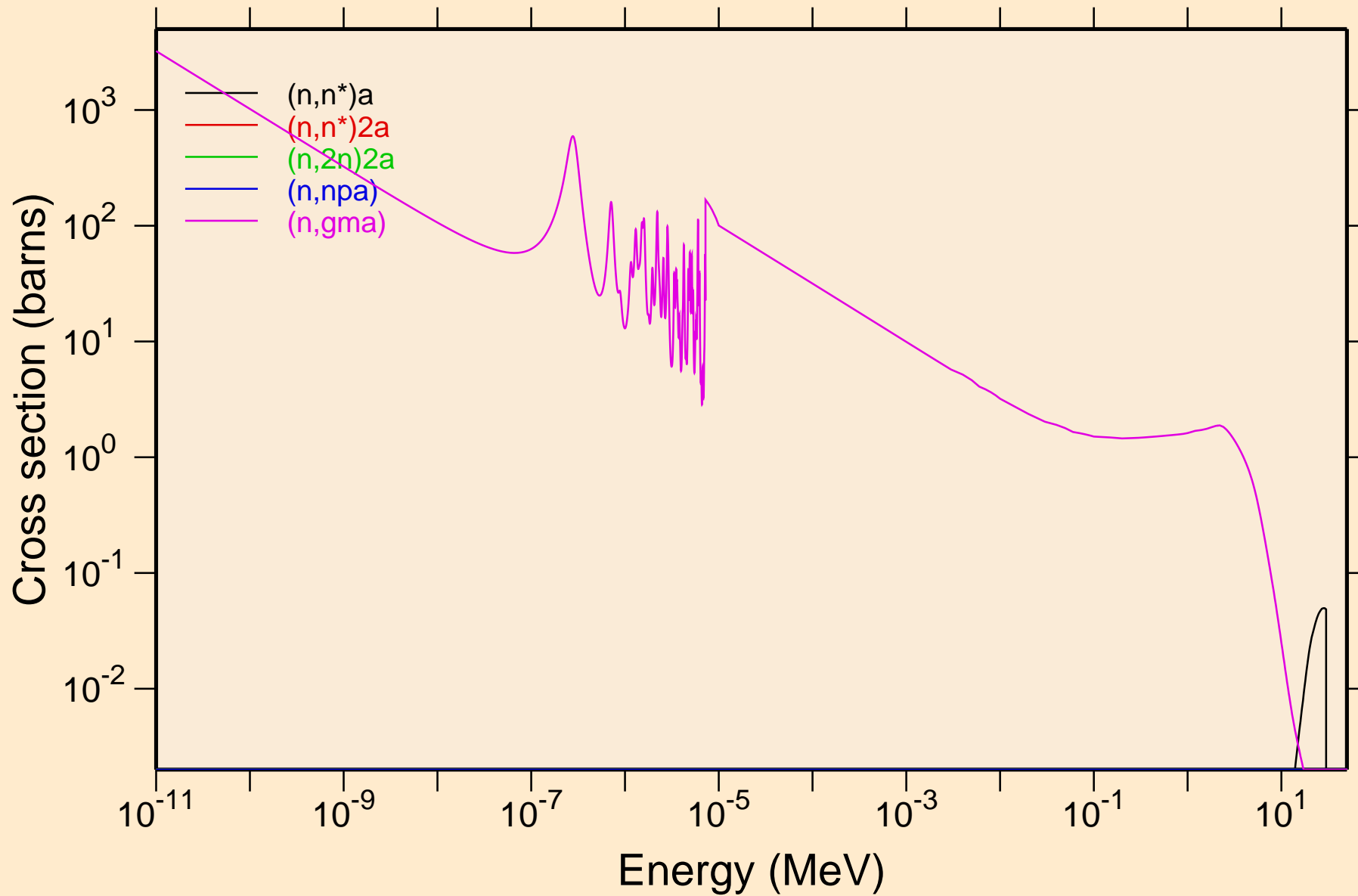




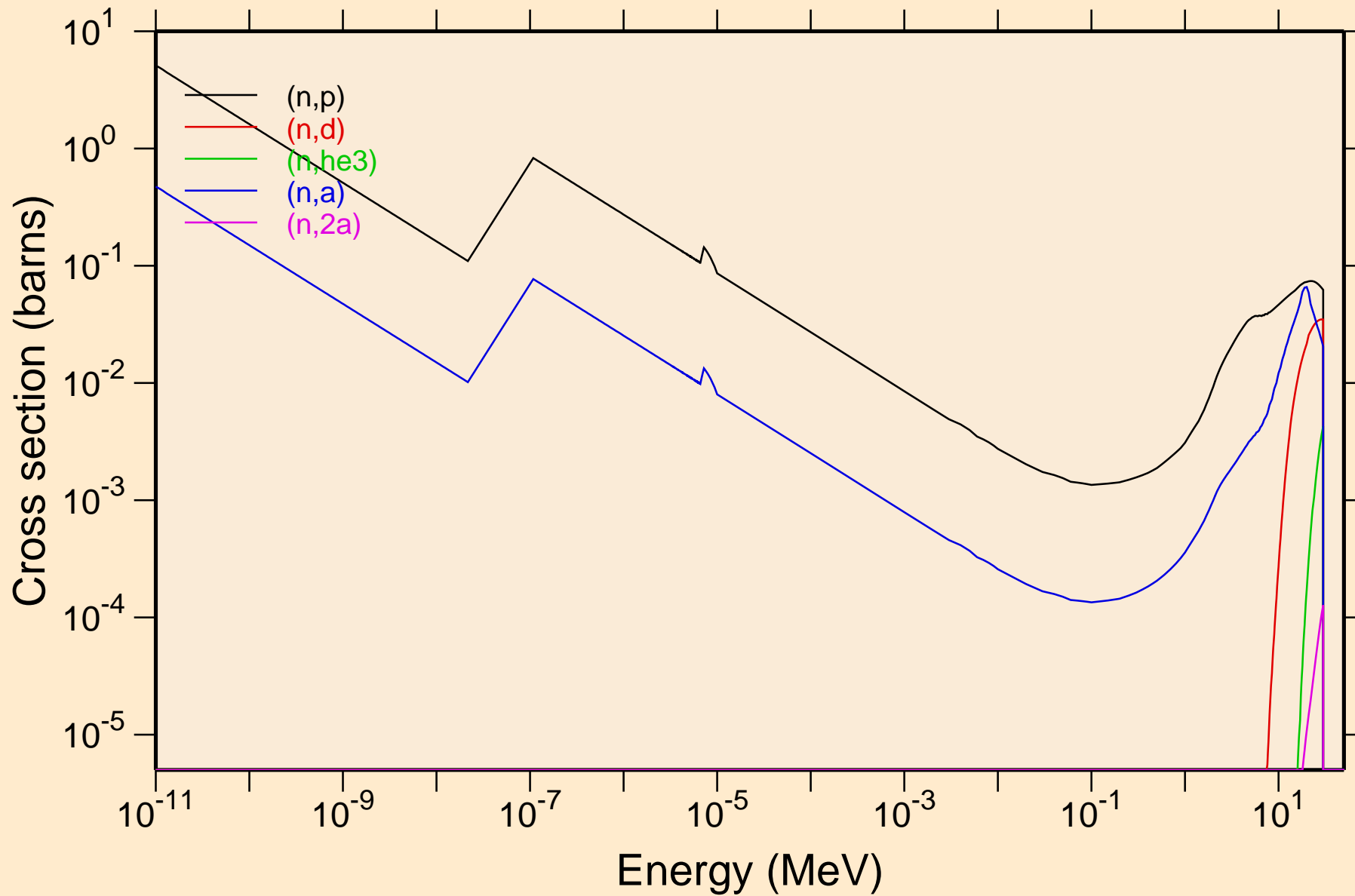
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



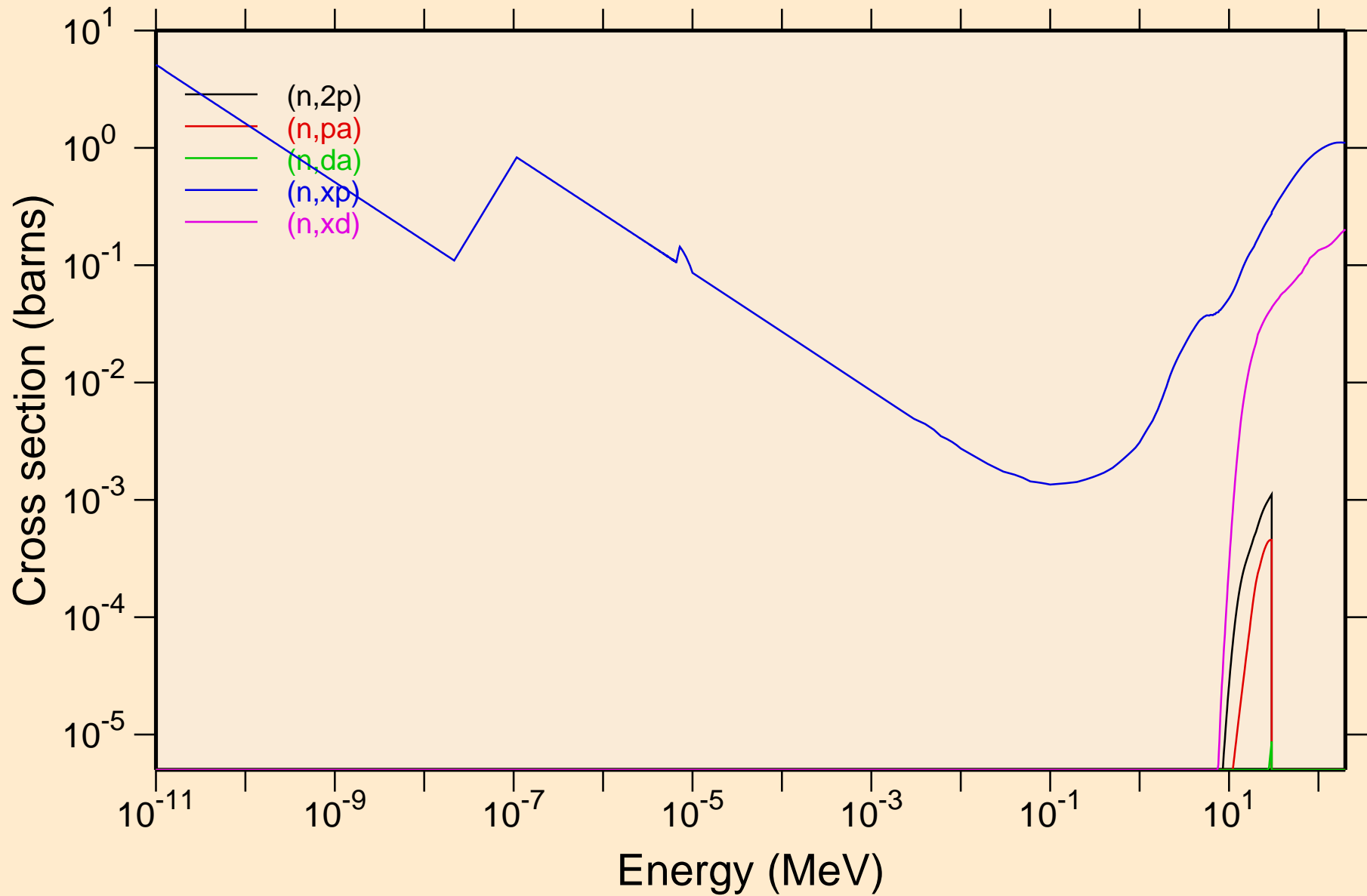
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



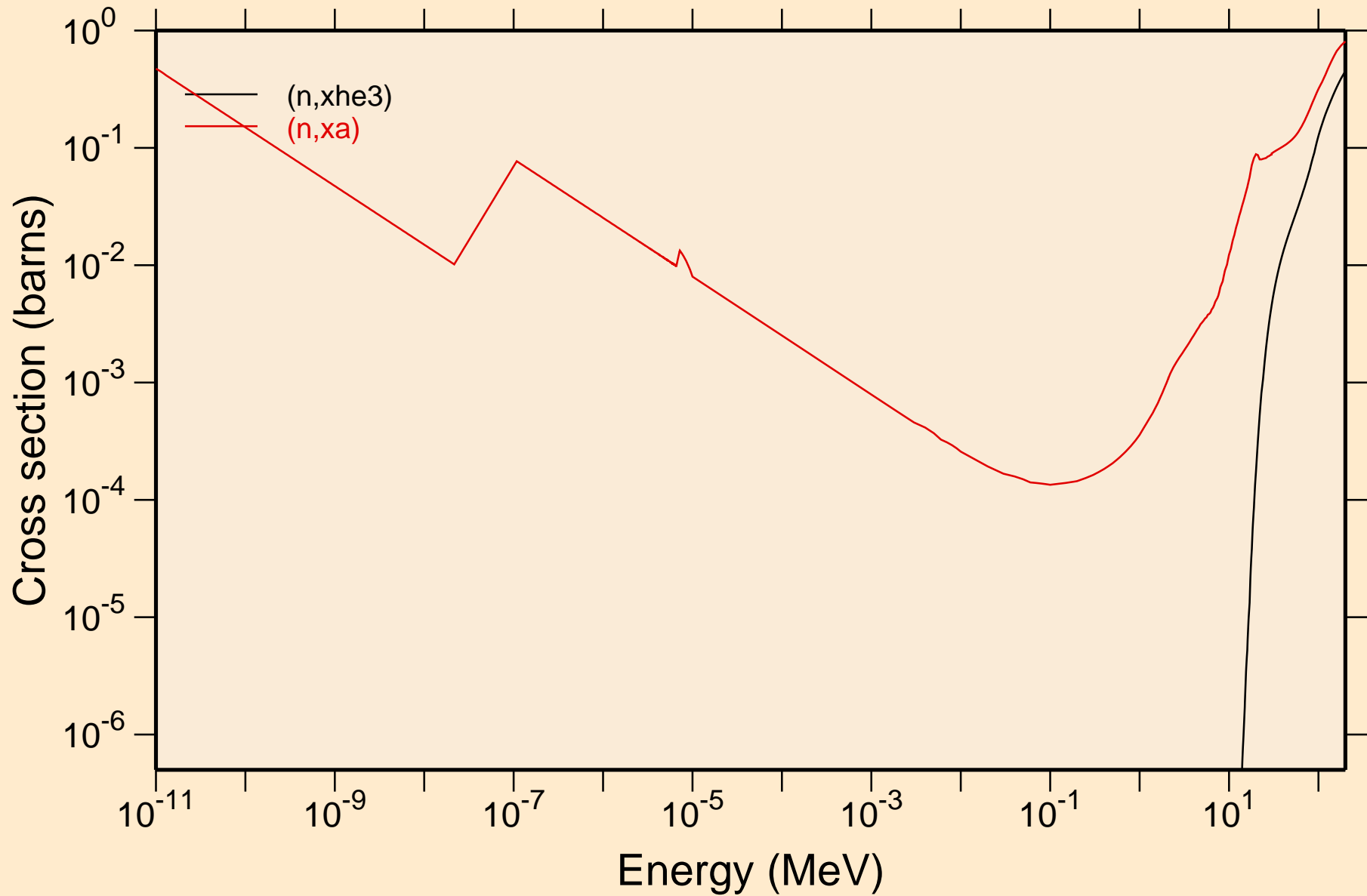
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Non-threshold reactions



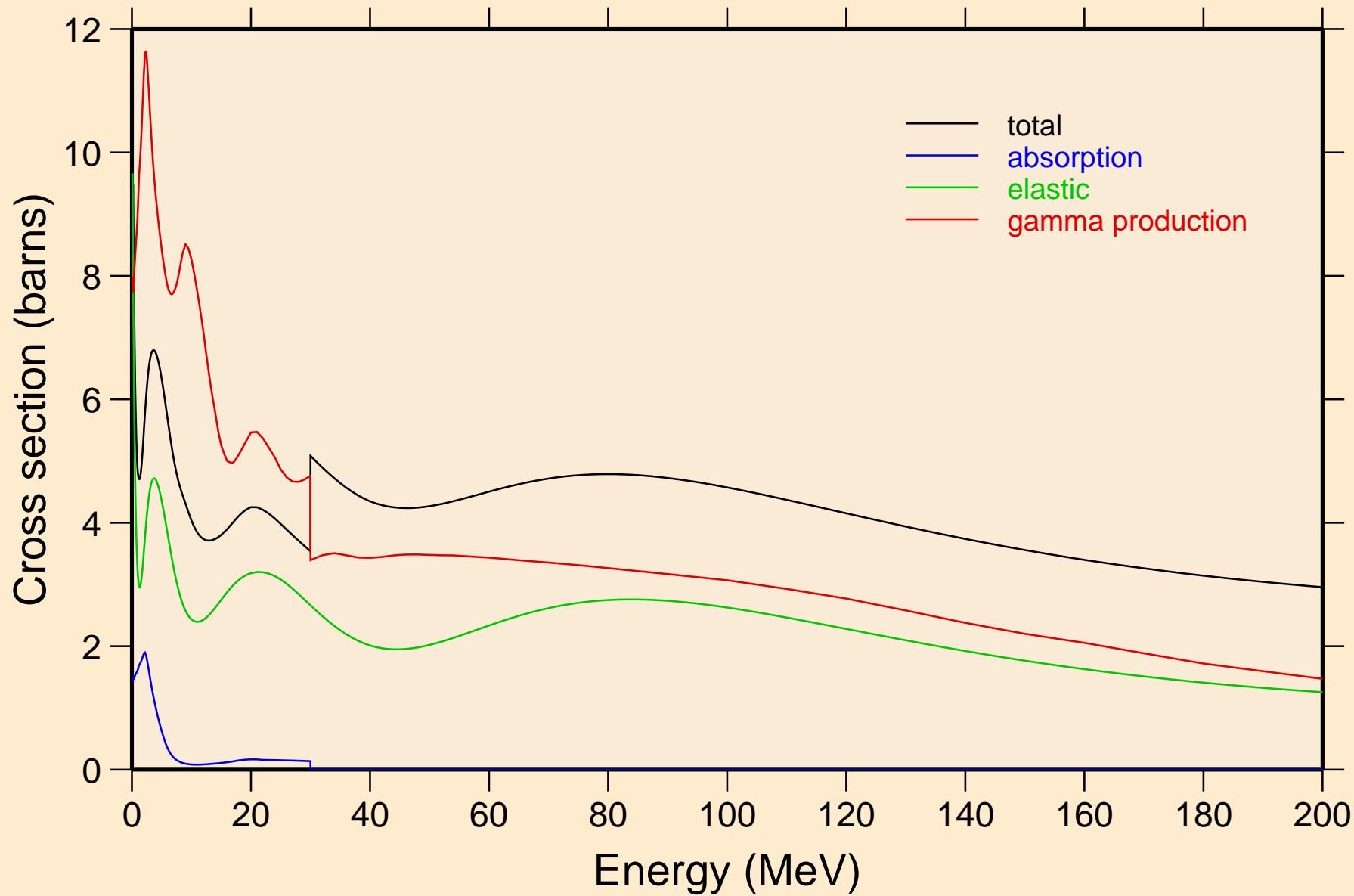
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

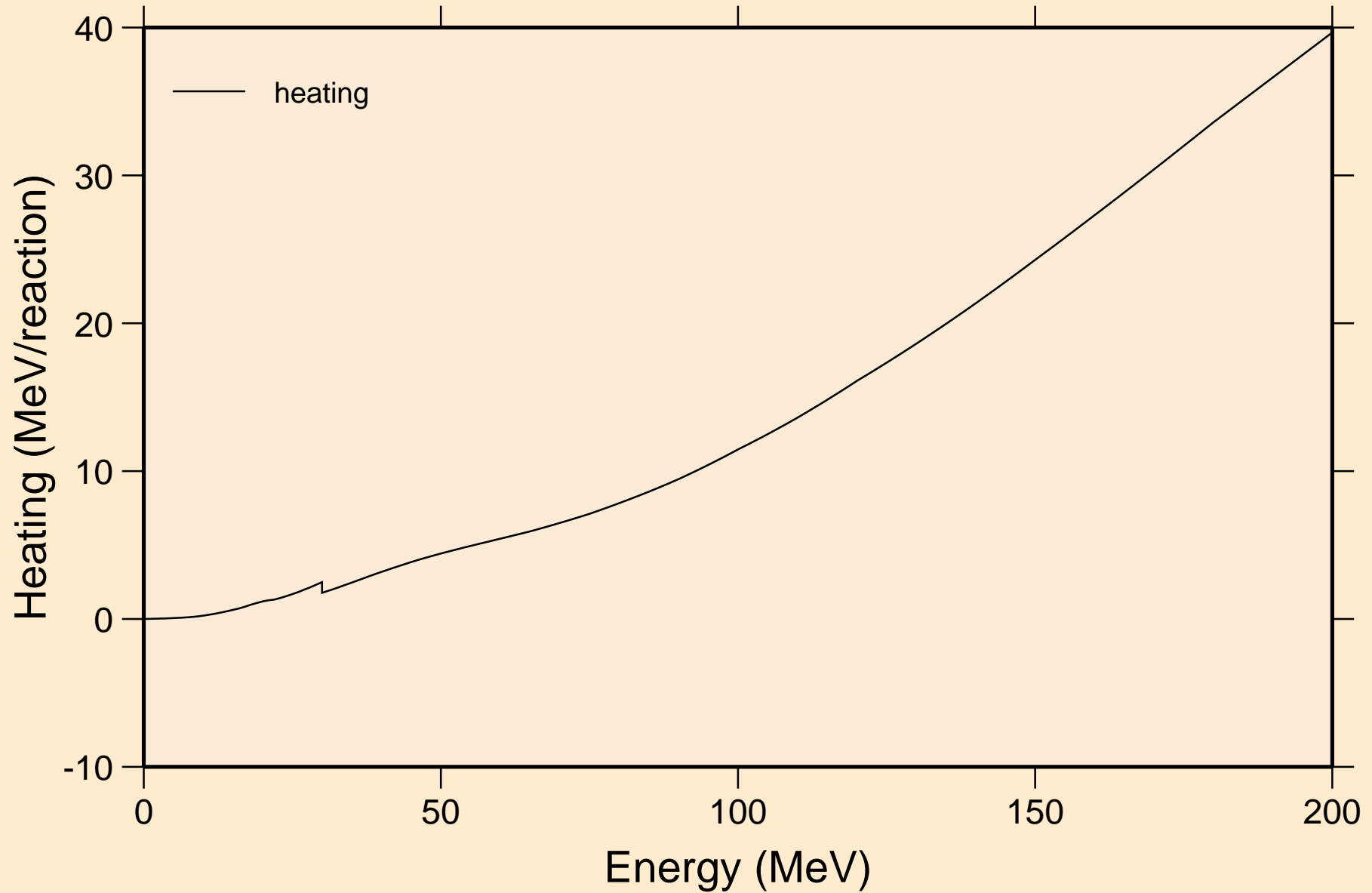


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections

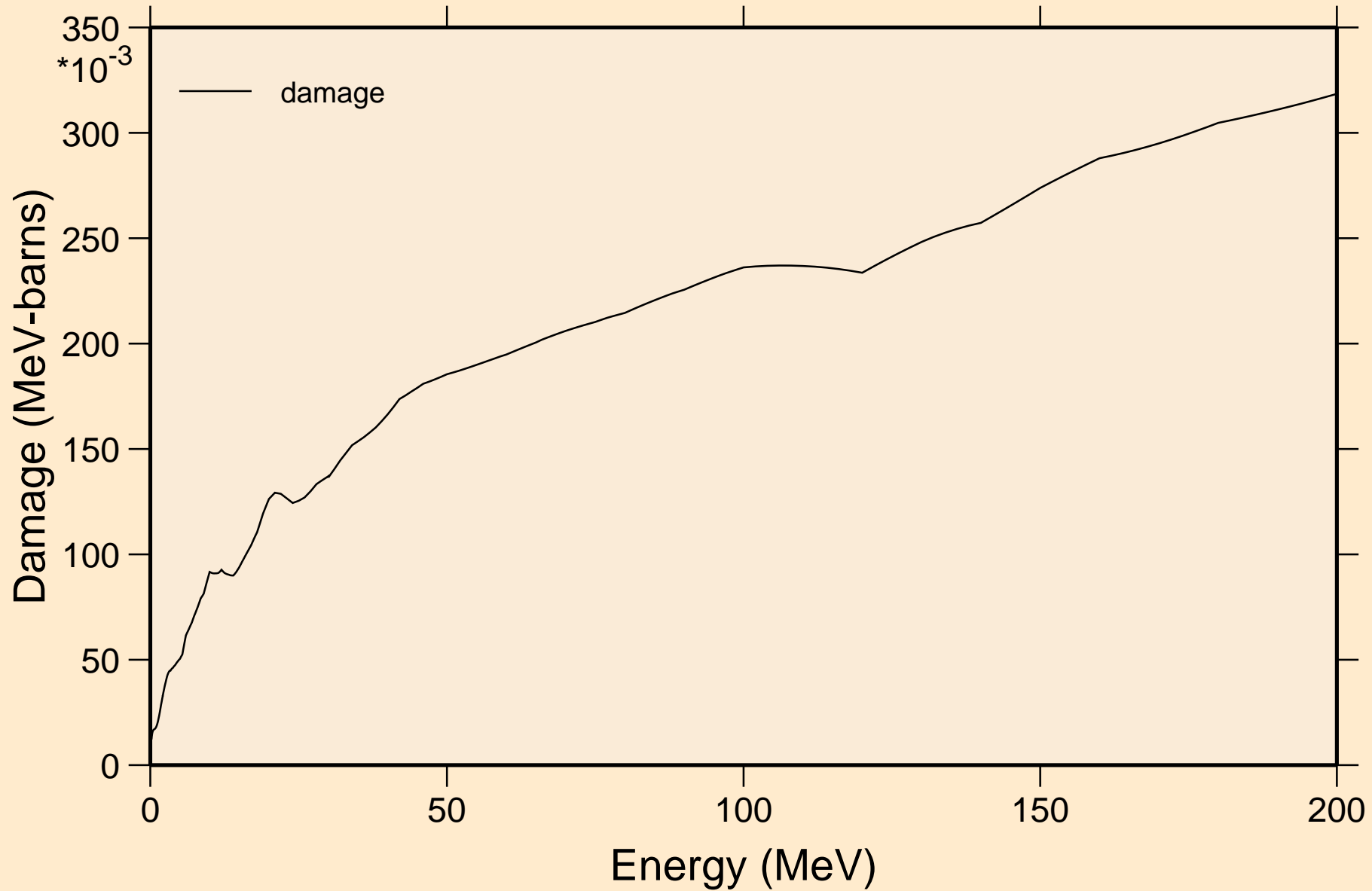


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

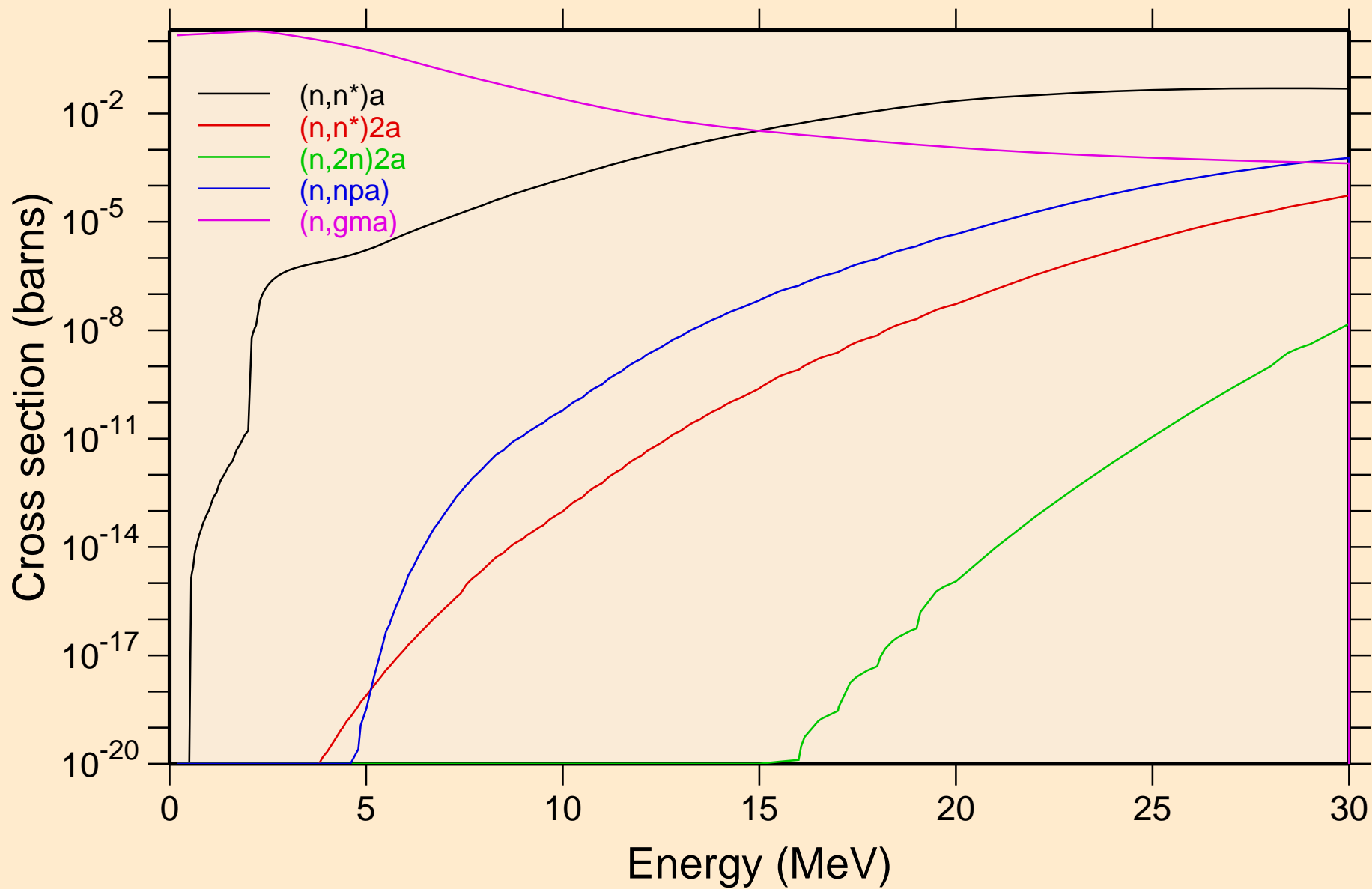


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Damage

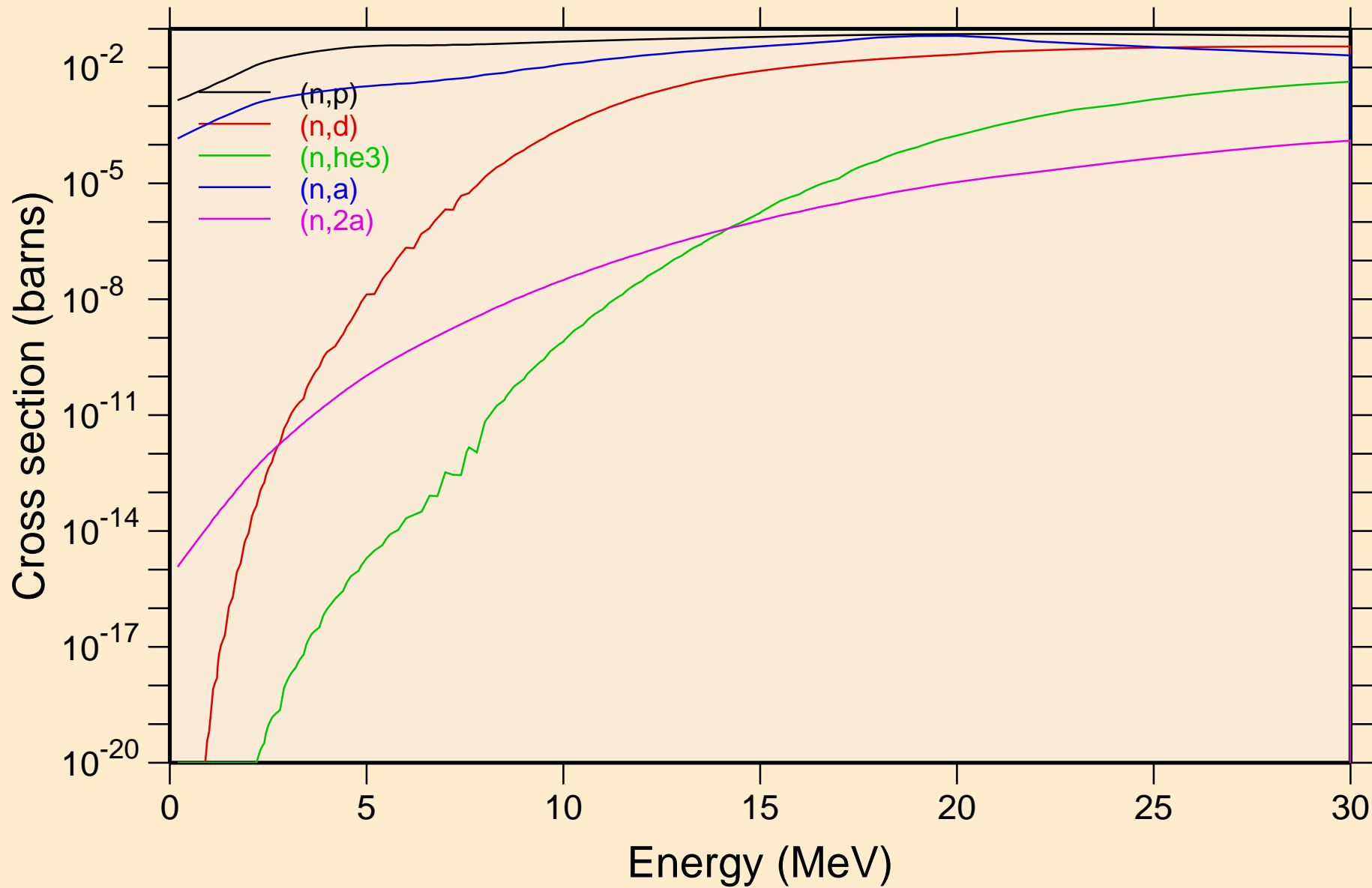




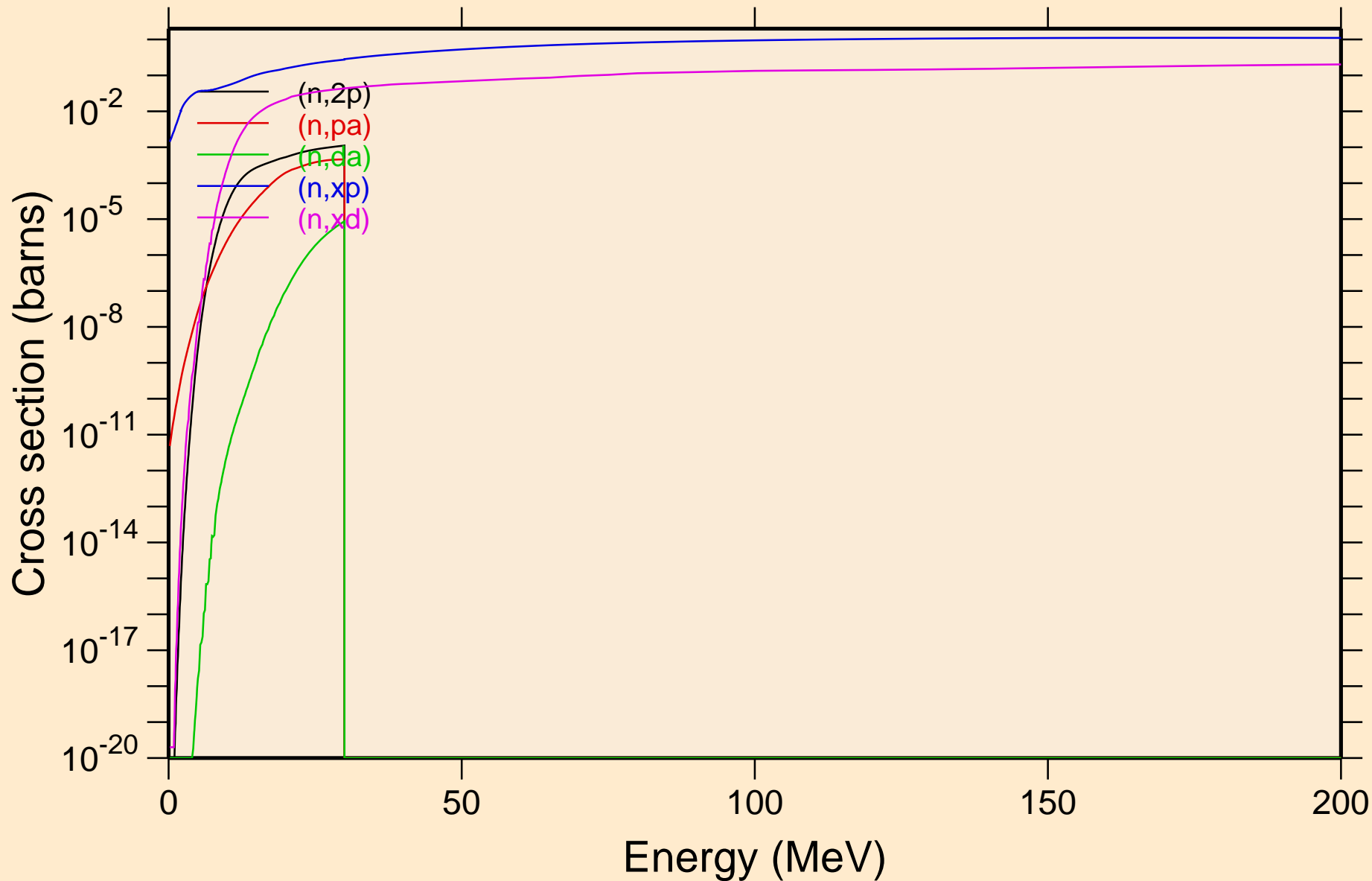
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Non-threshold reactions



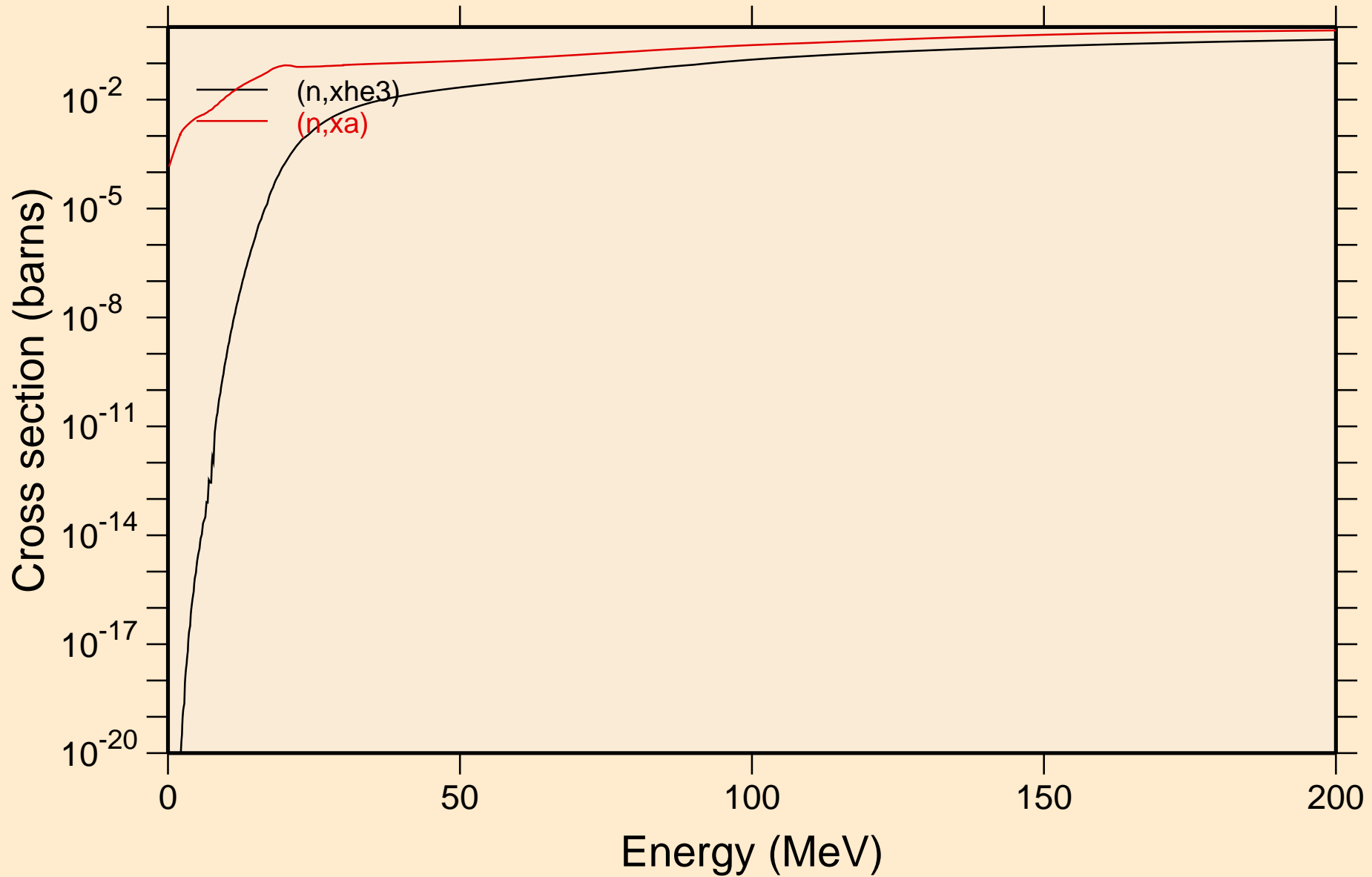
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Non-threshold reactions



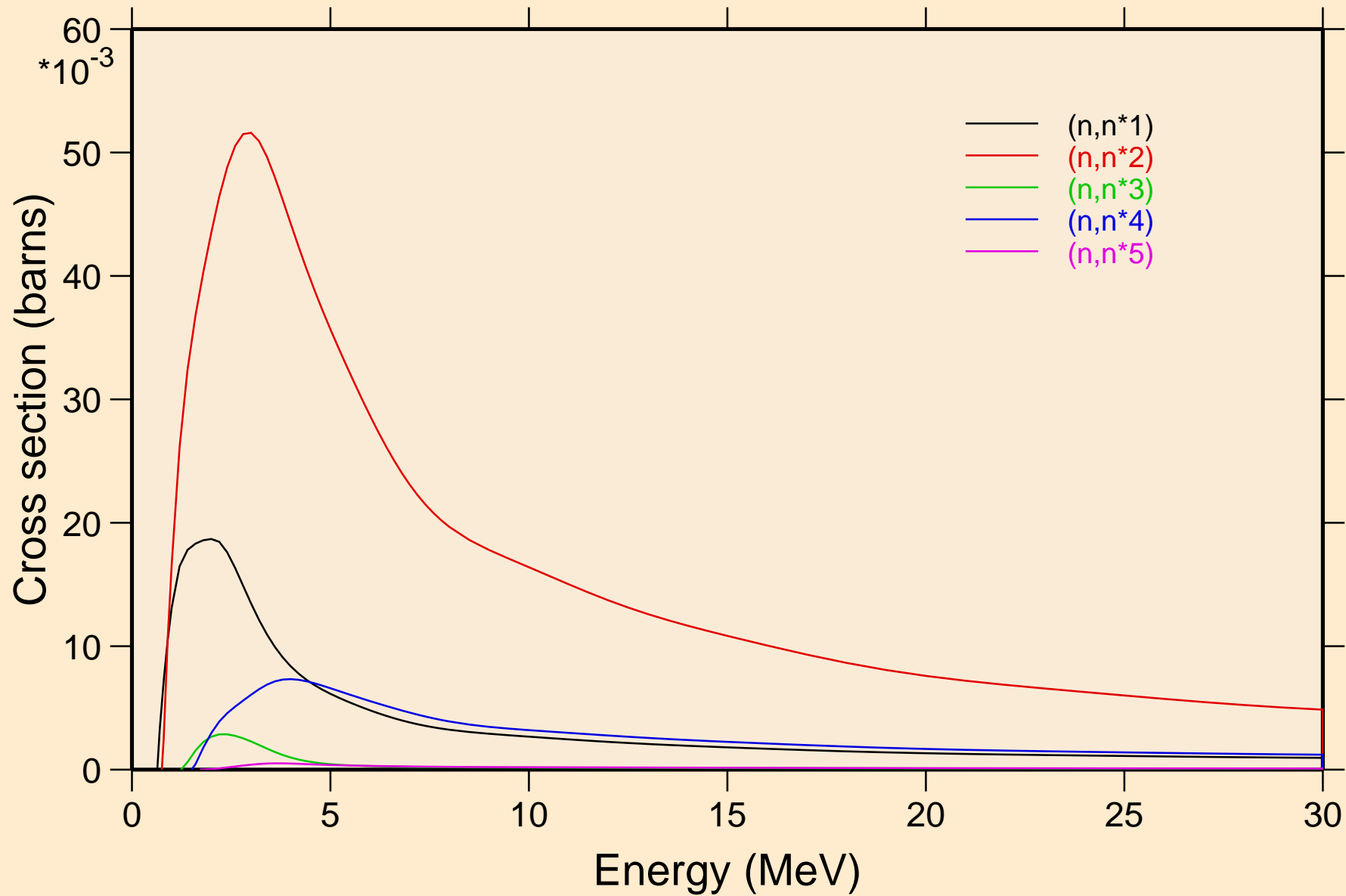
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Non-threshold reactions



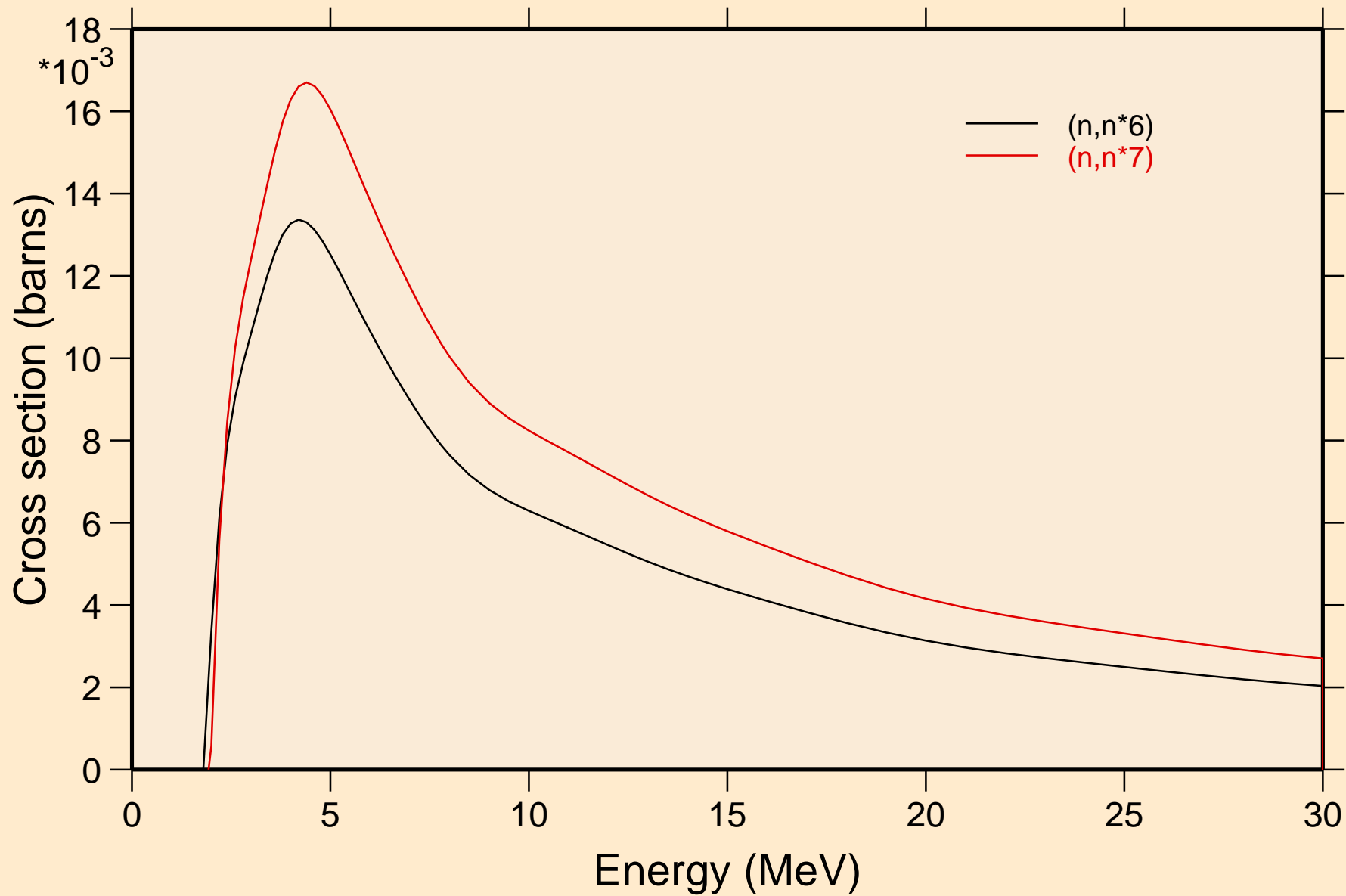
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Non-threshold reactions



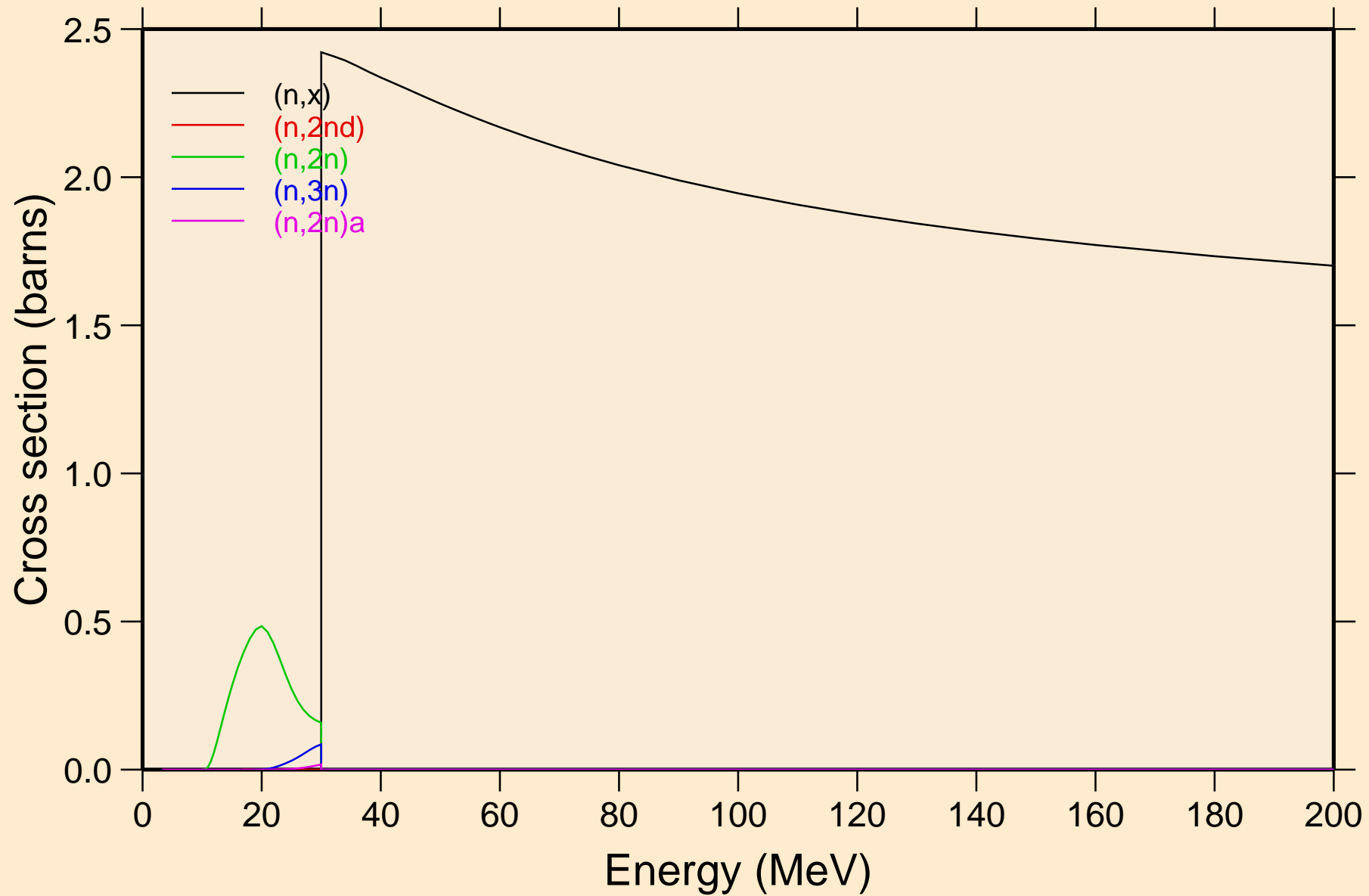
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Inelastic levels



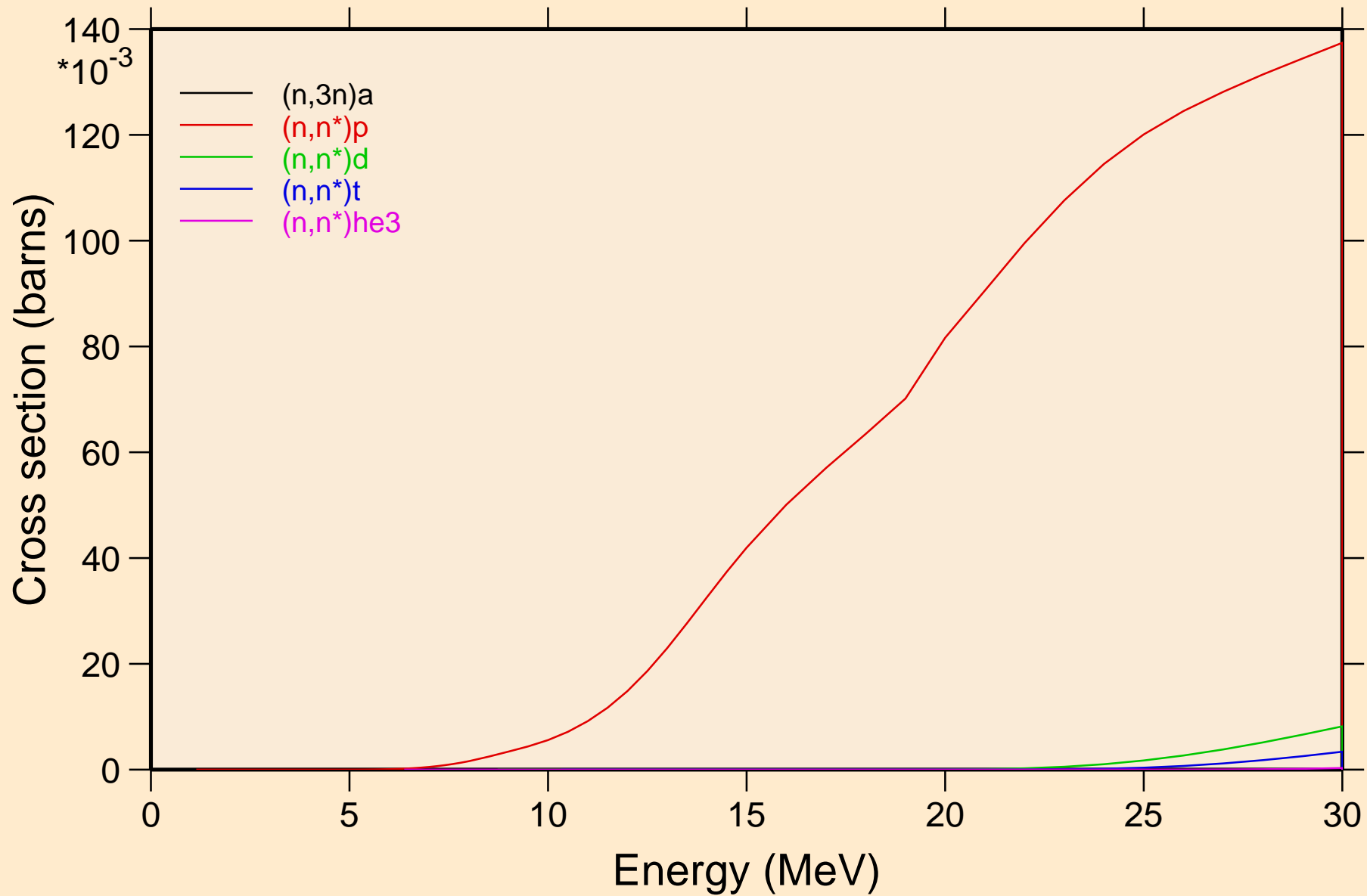
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

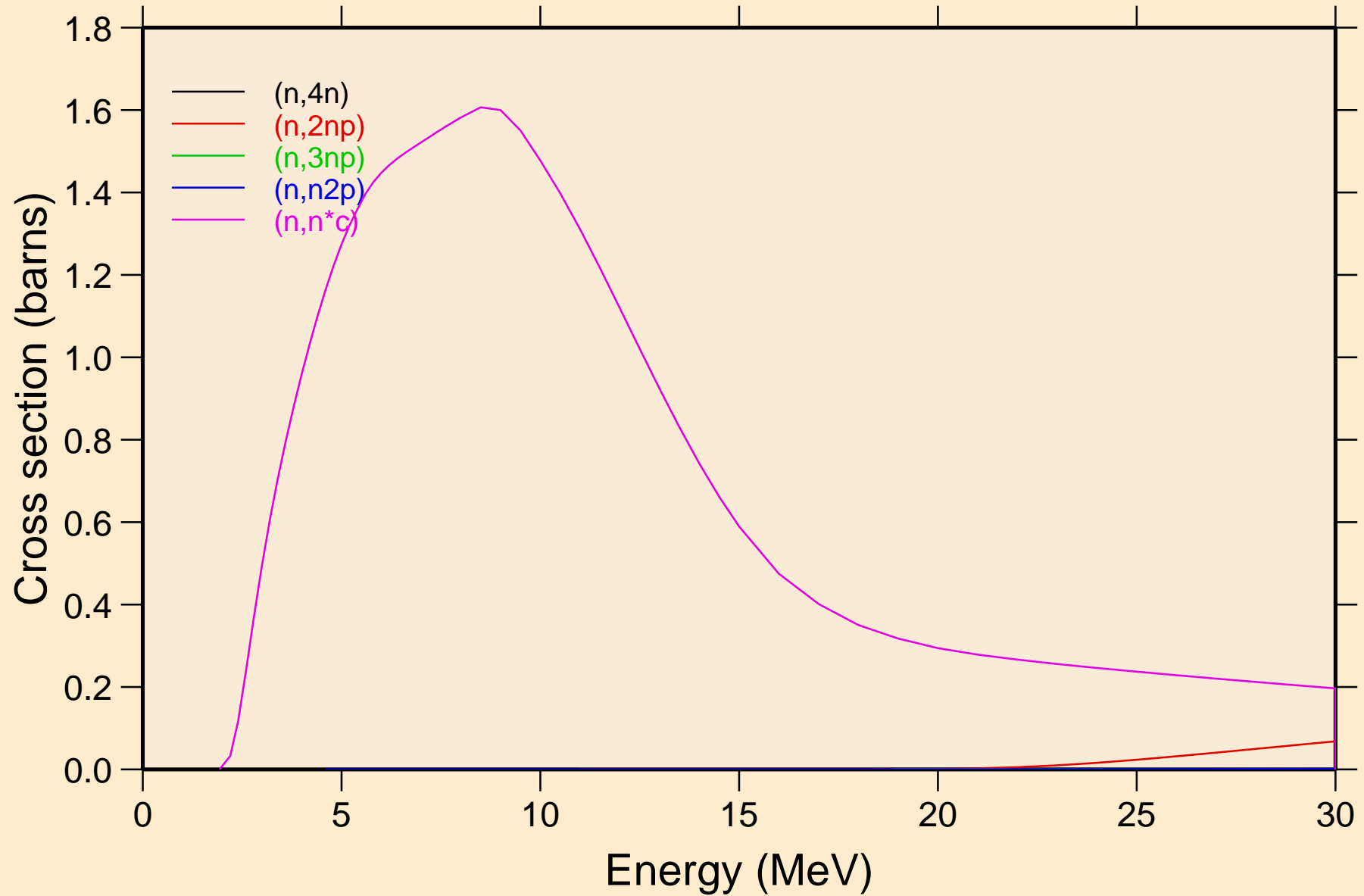


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

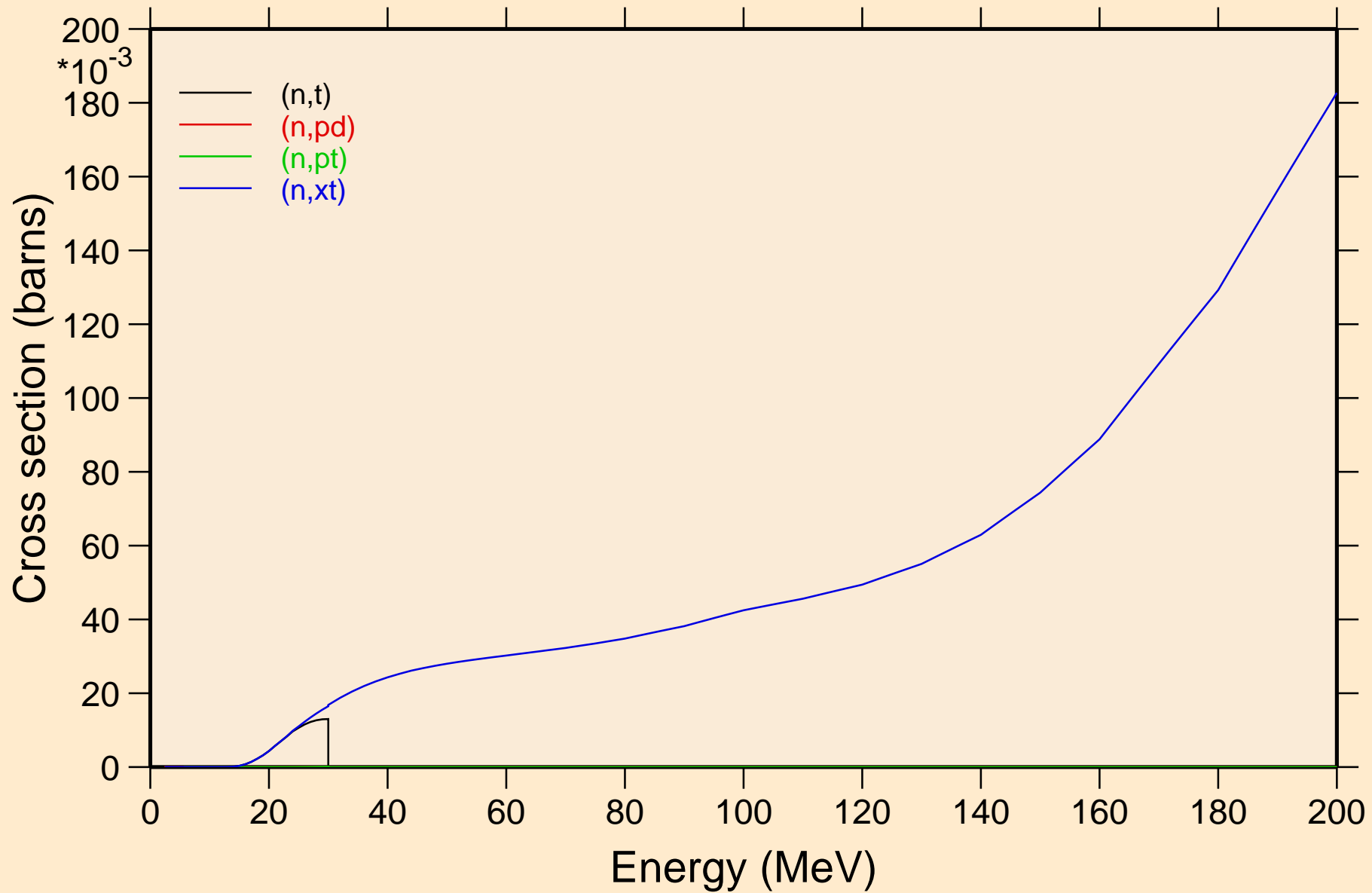




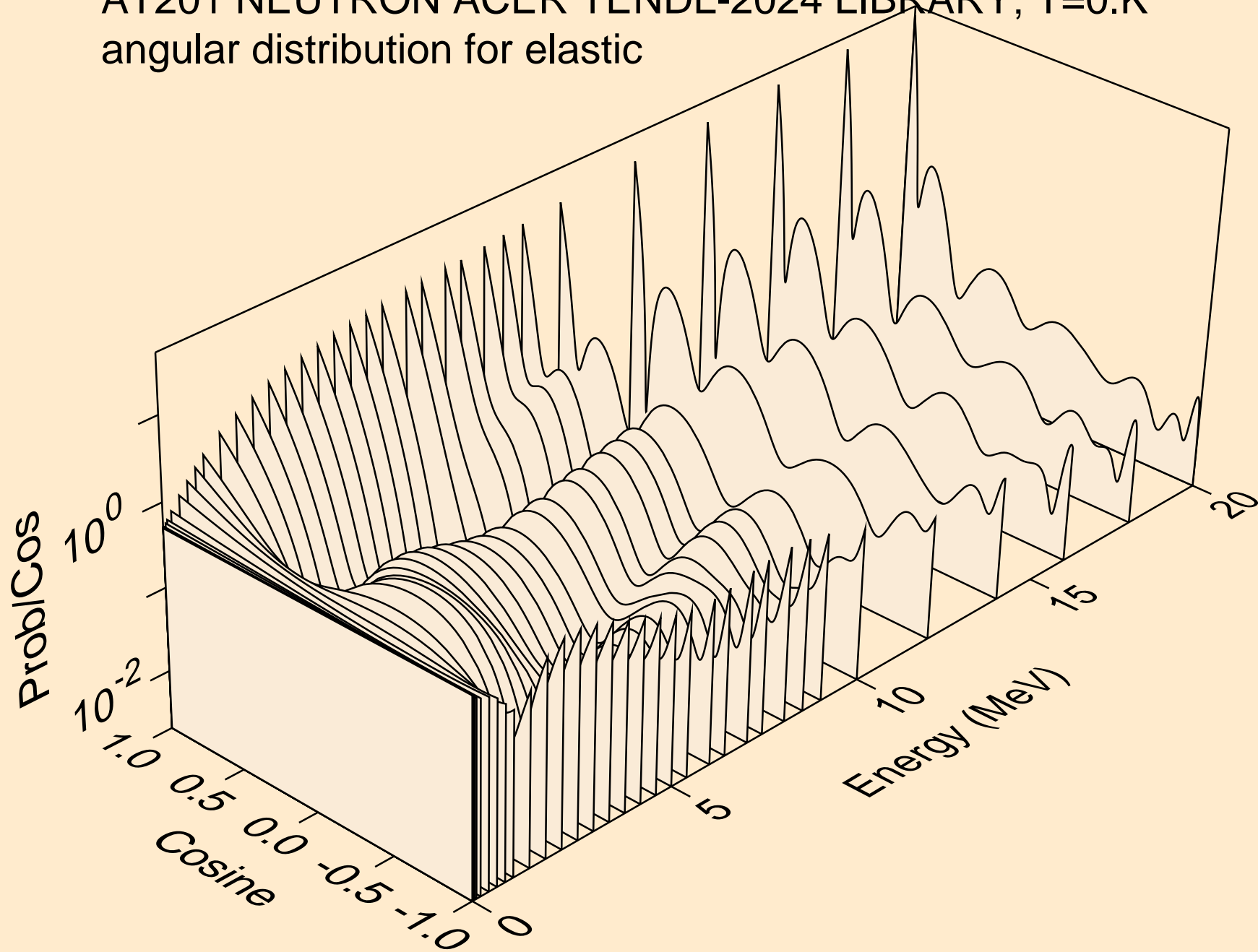
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



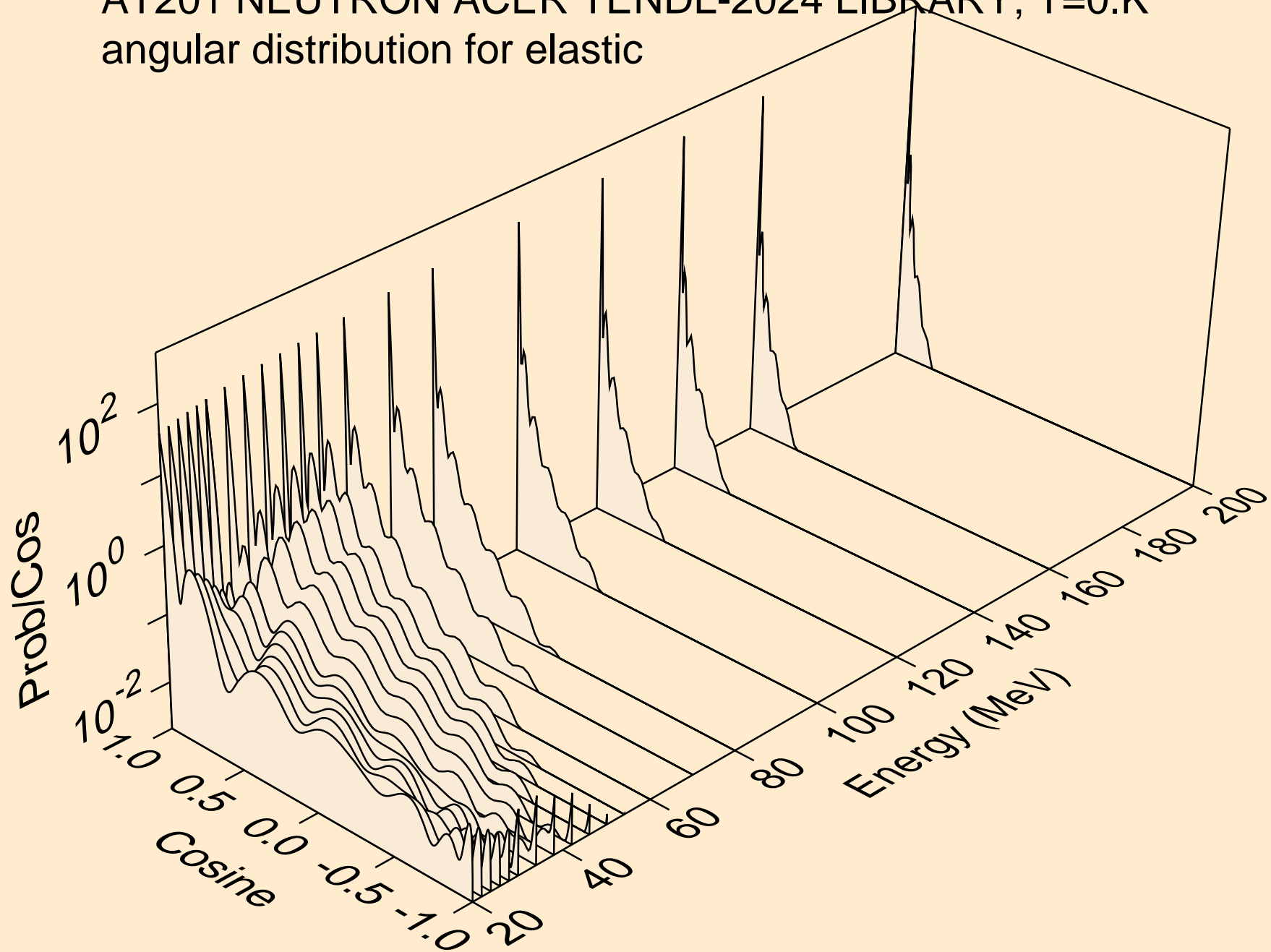
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



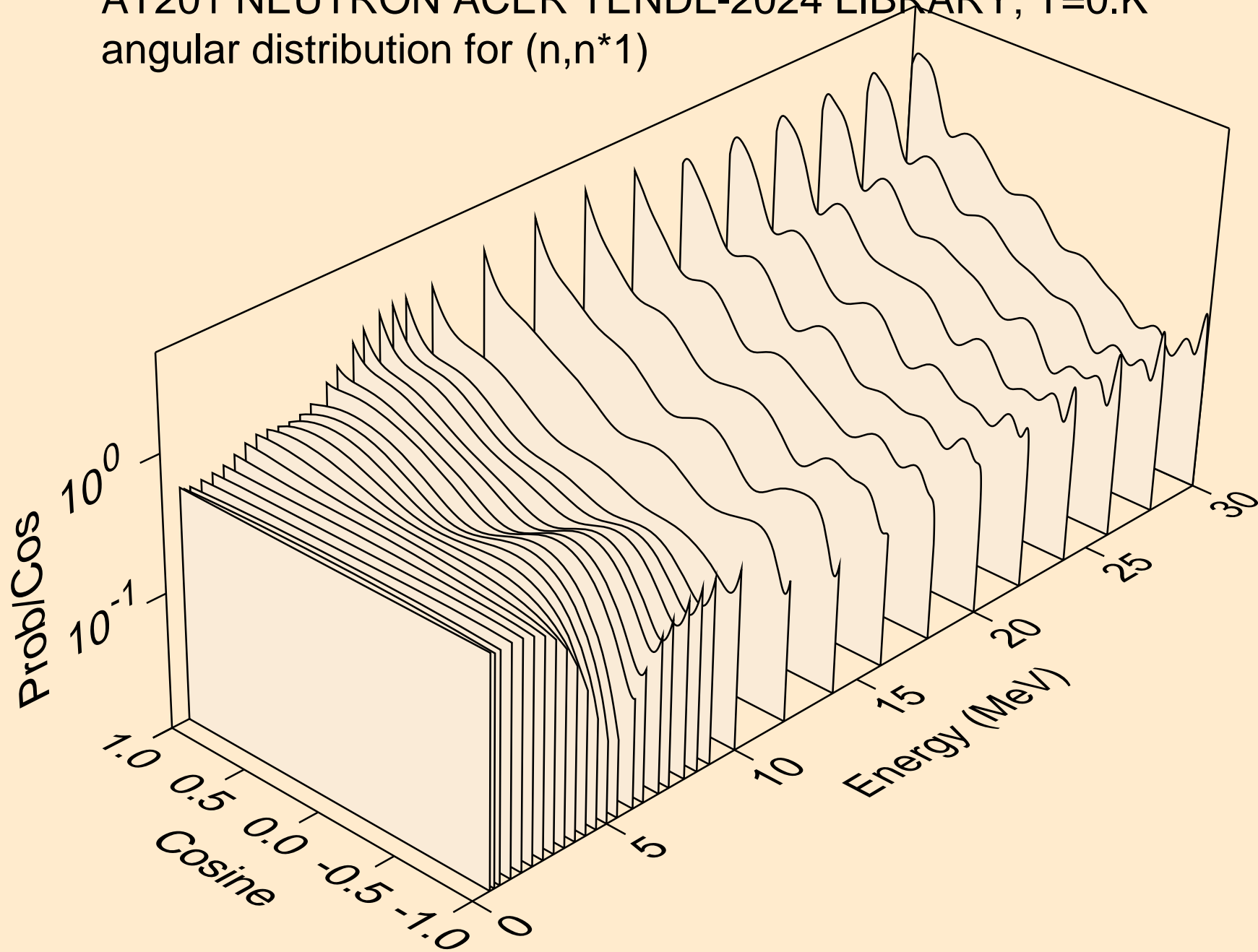
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



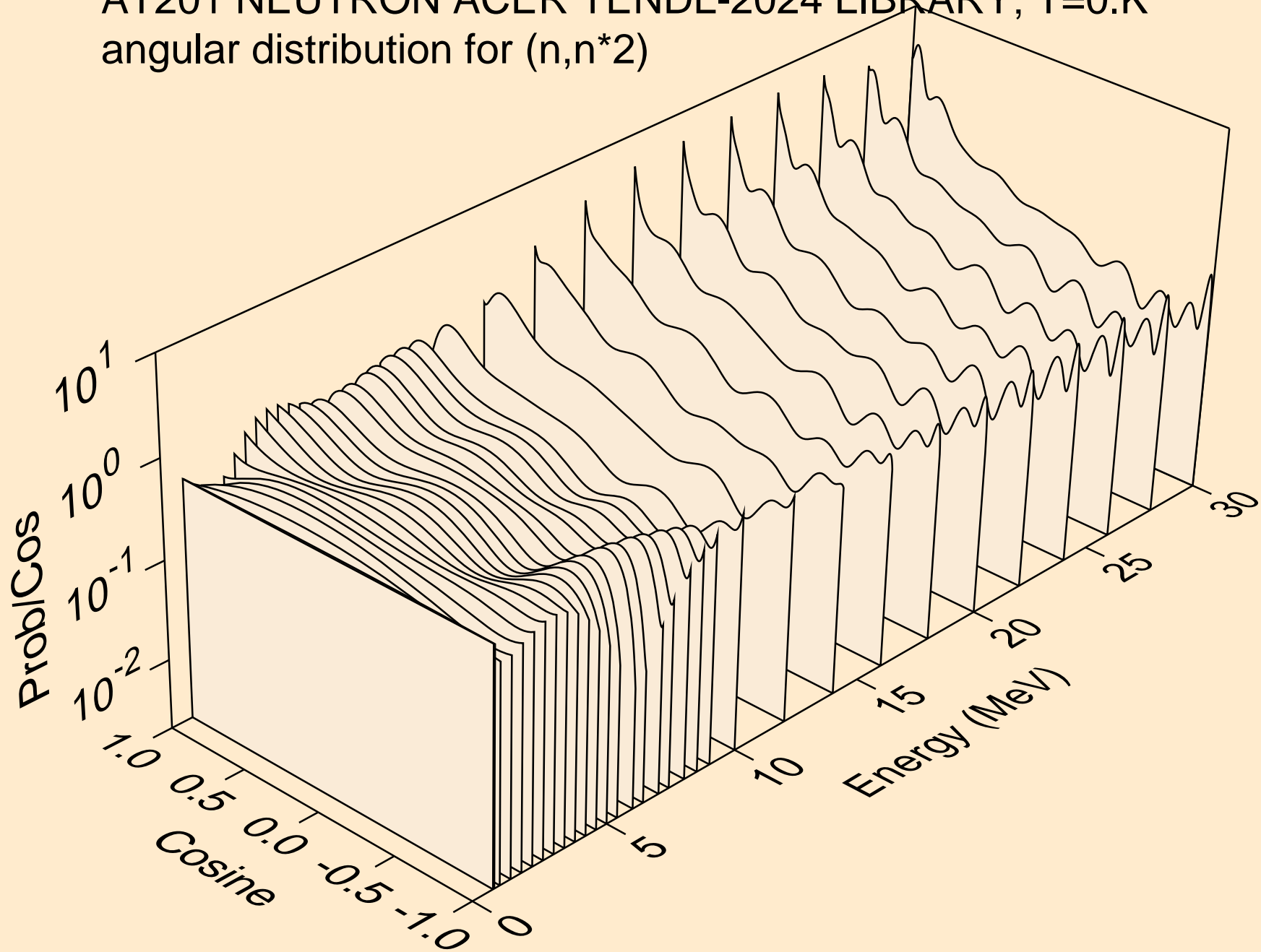
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angular distribution for elastic



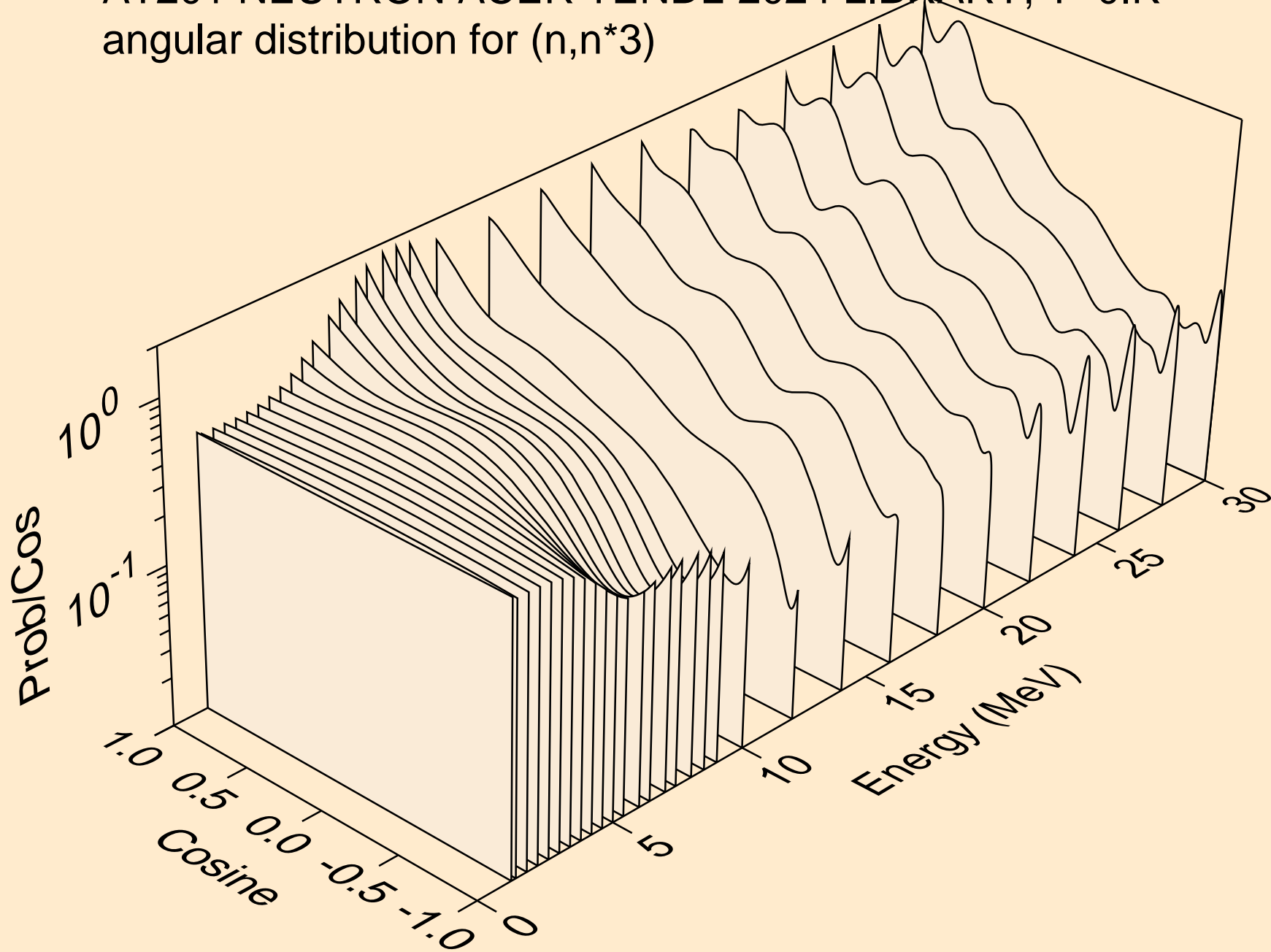
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angular distribution for (n,n\*1)



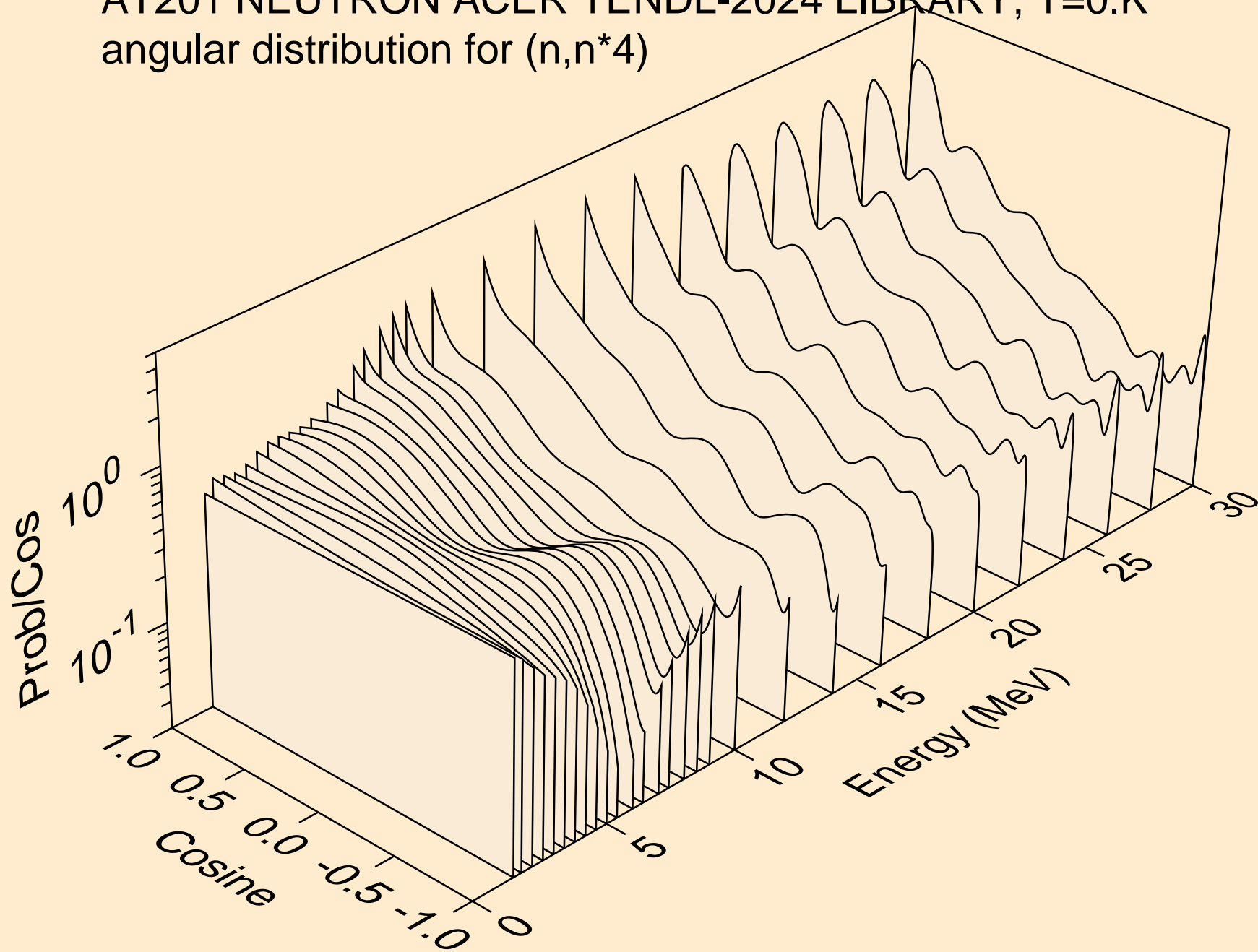
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)

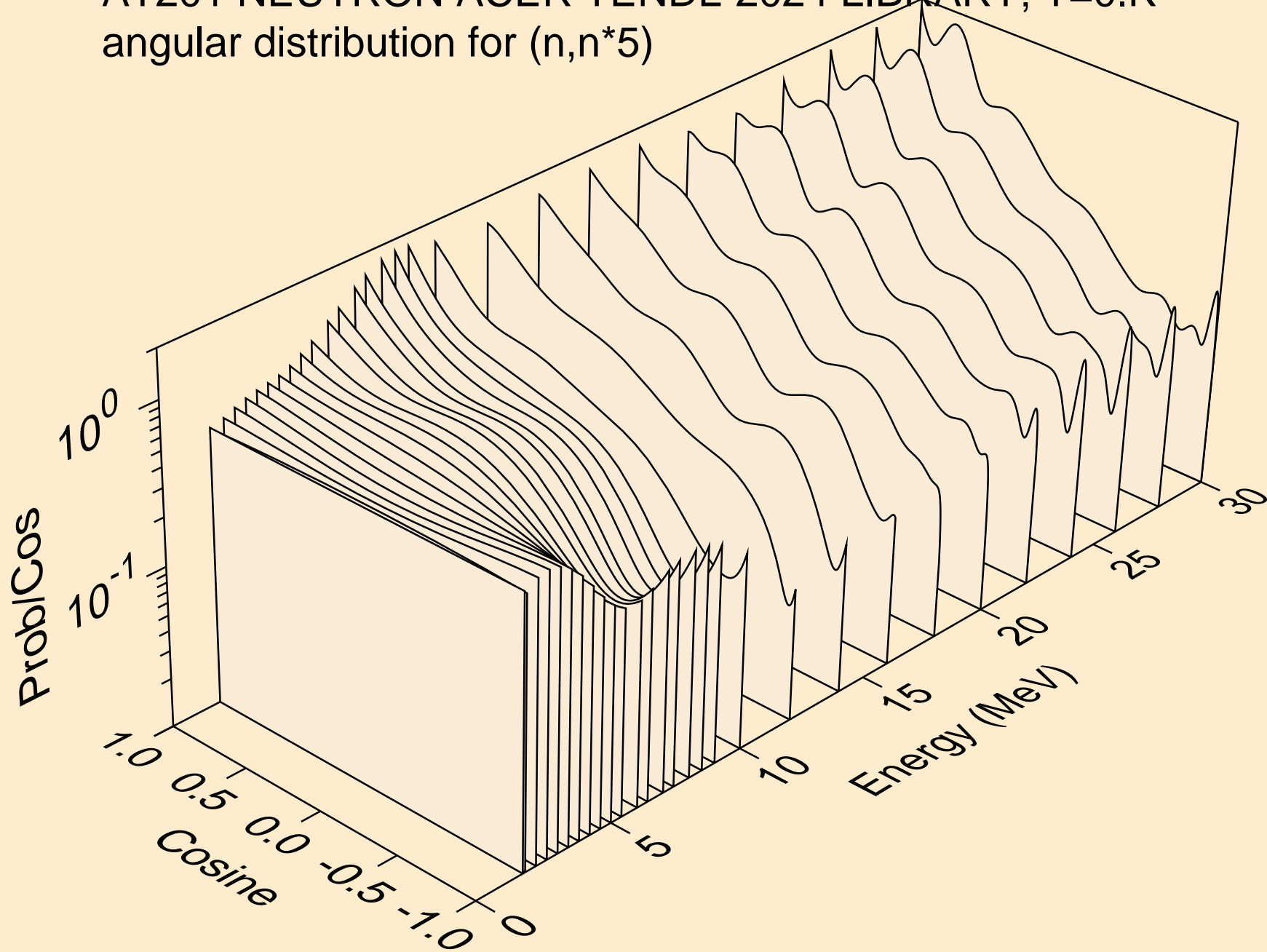


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angular distribution for (n,n\*4)

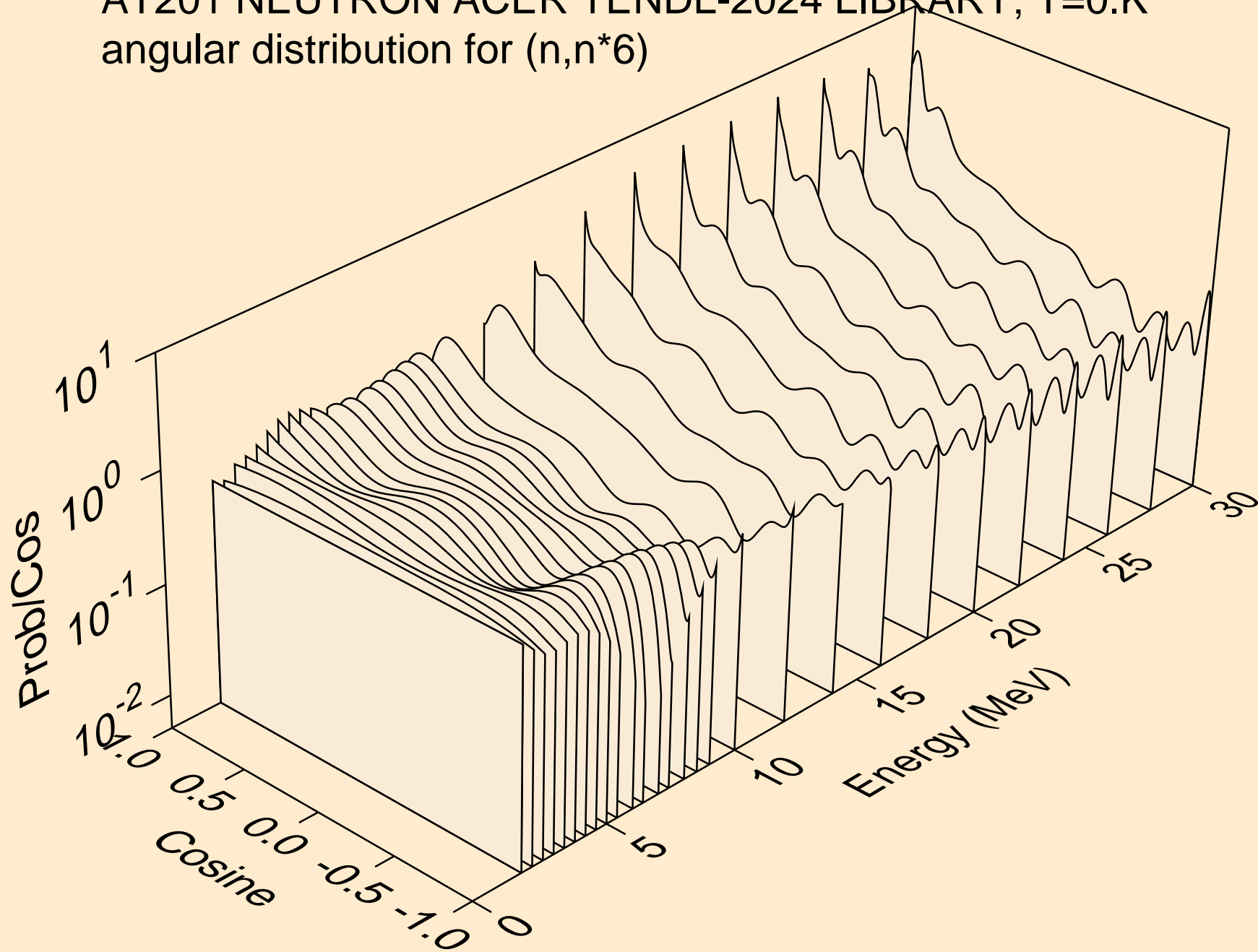




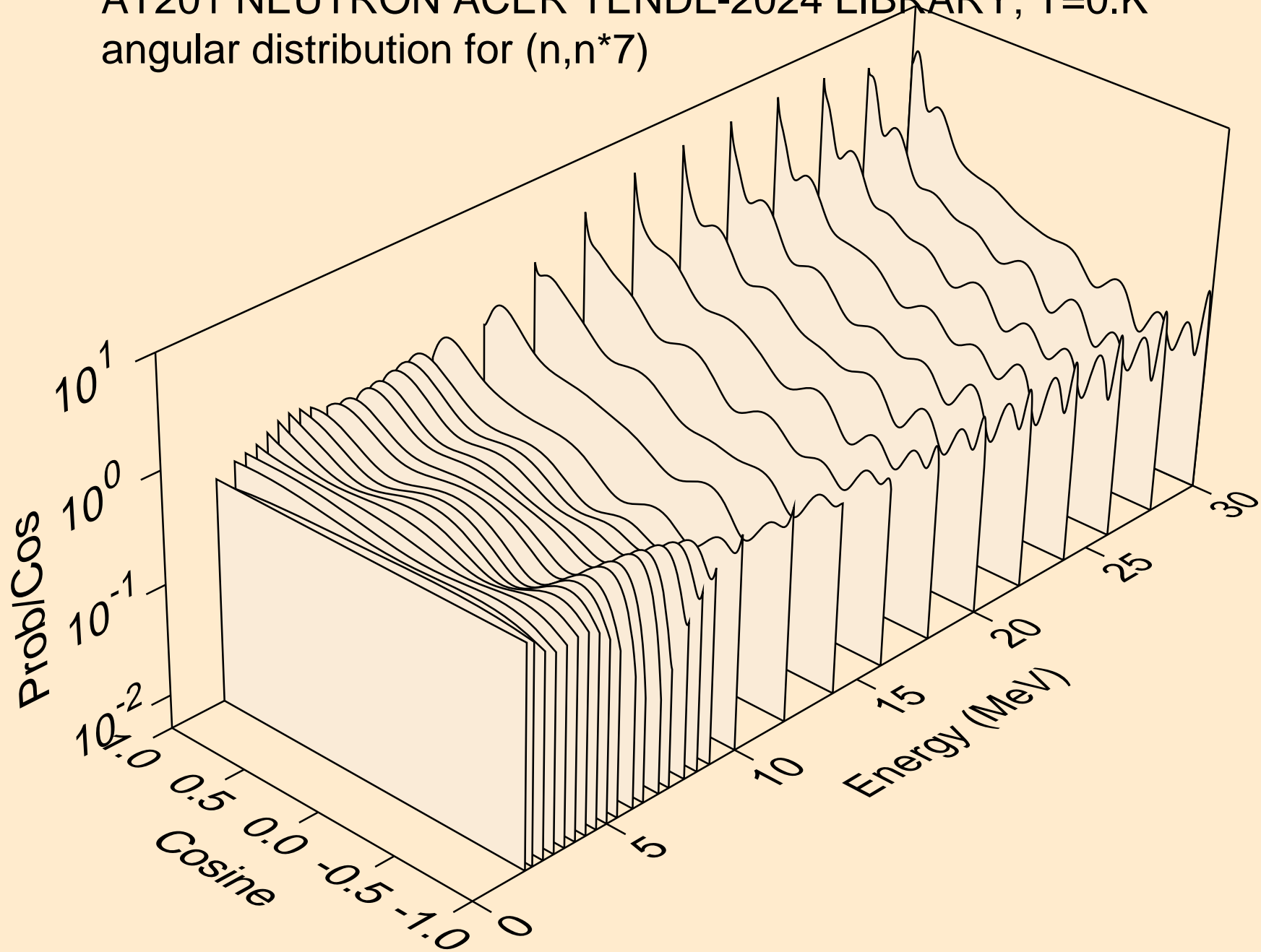
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angular distribution for (n,n\*5)



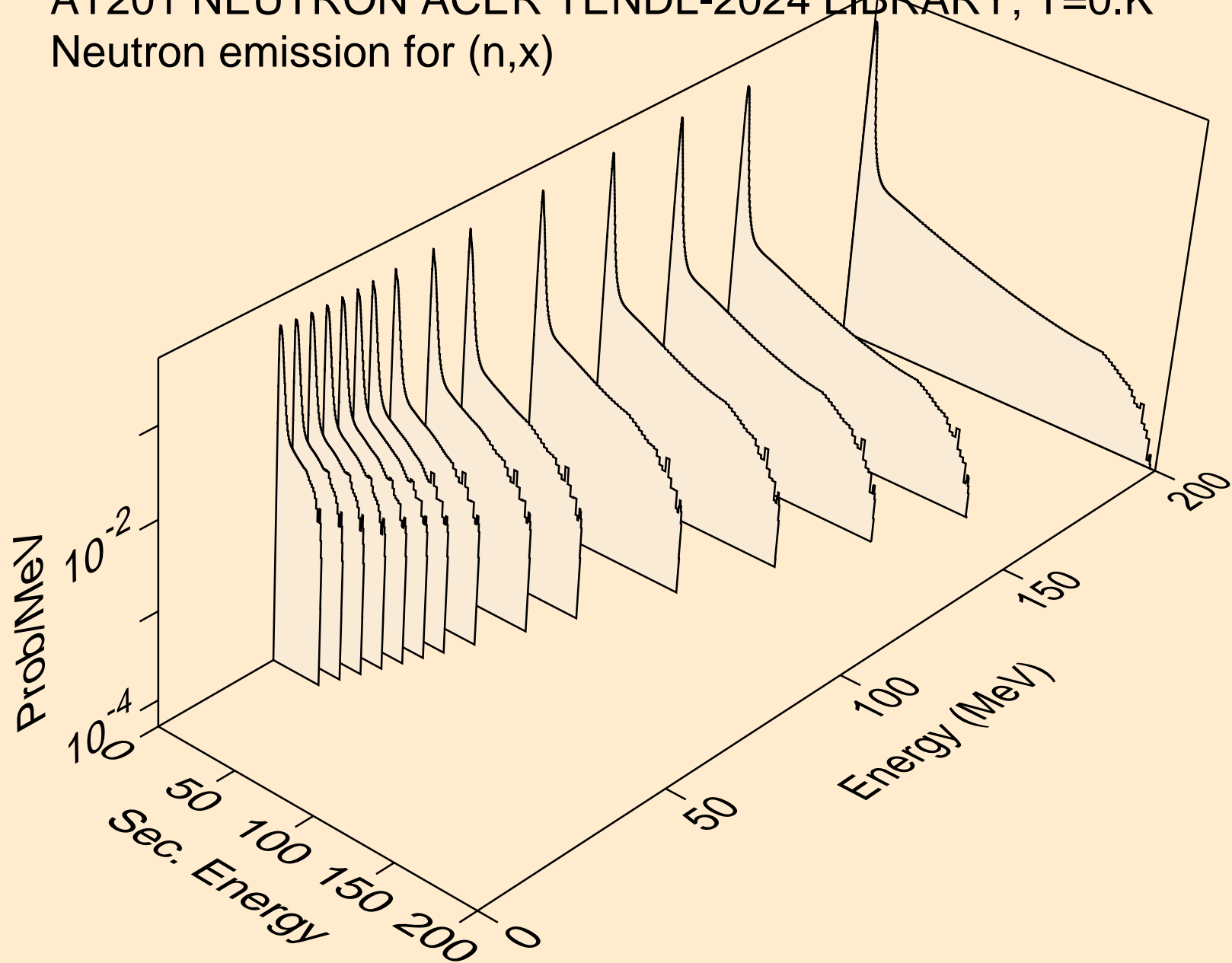
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angular distribution for (n,n\*6)



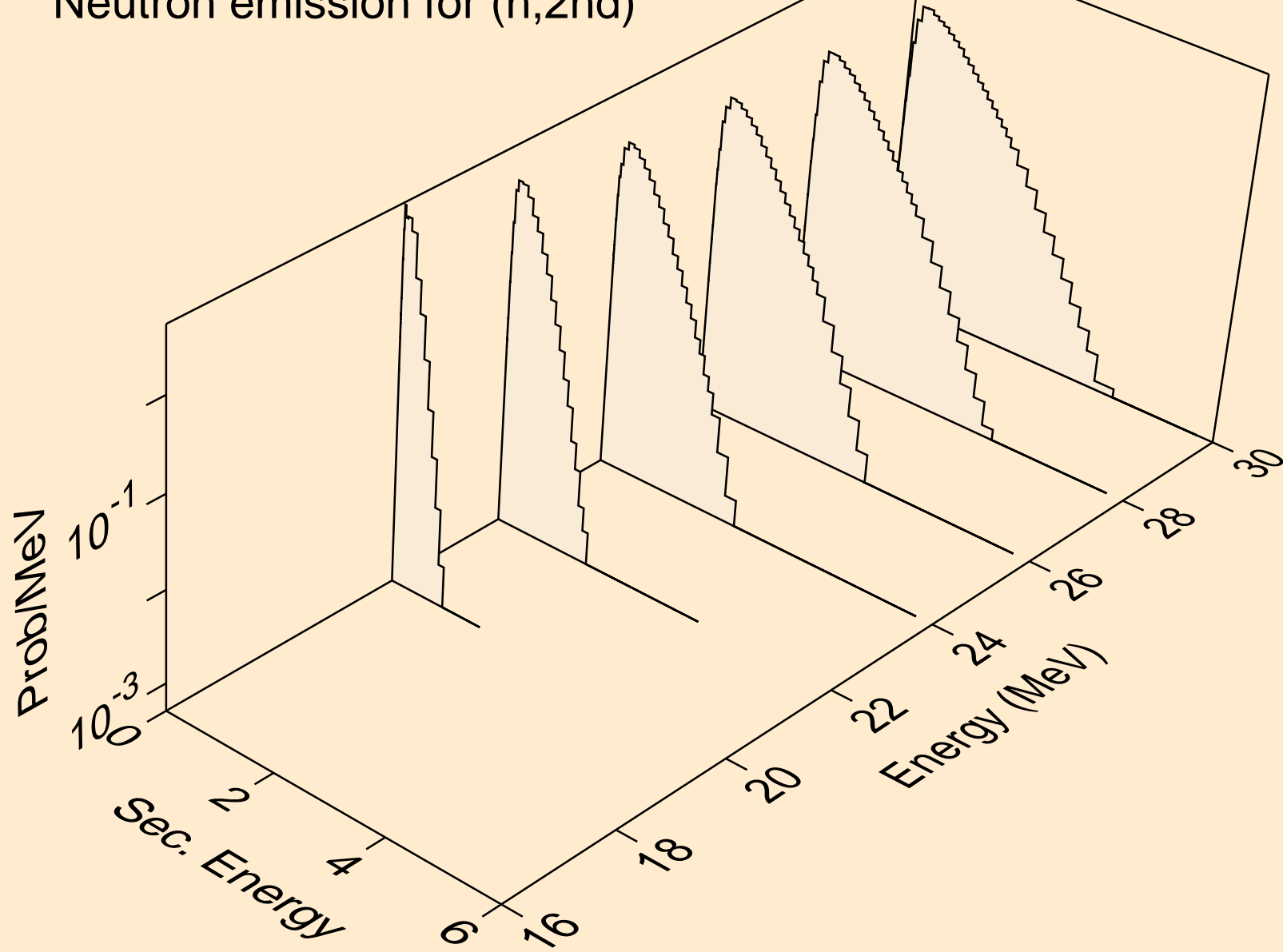
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angular distribution for (n,n\*7)



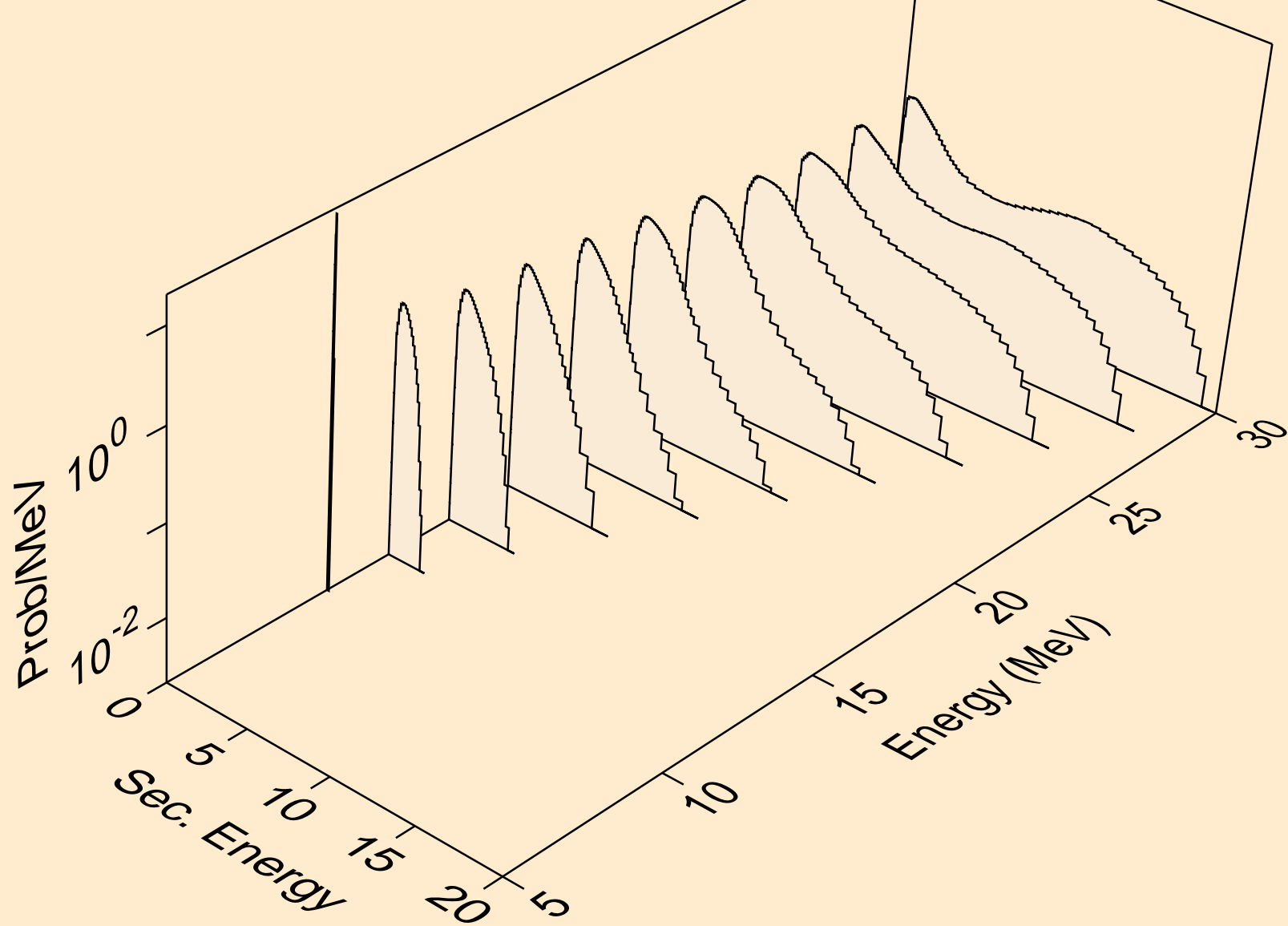
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Neutron emission for (n,x)



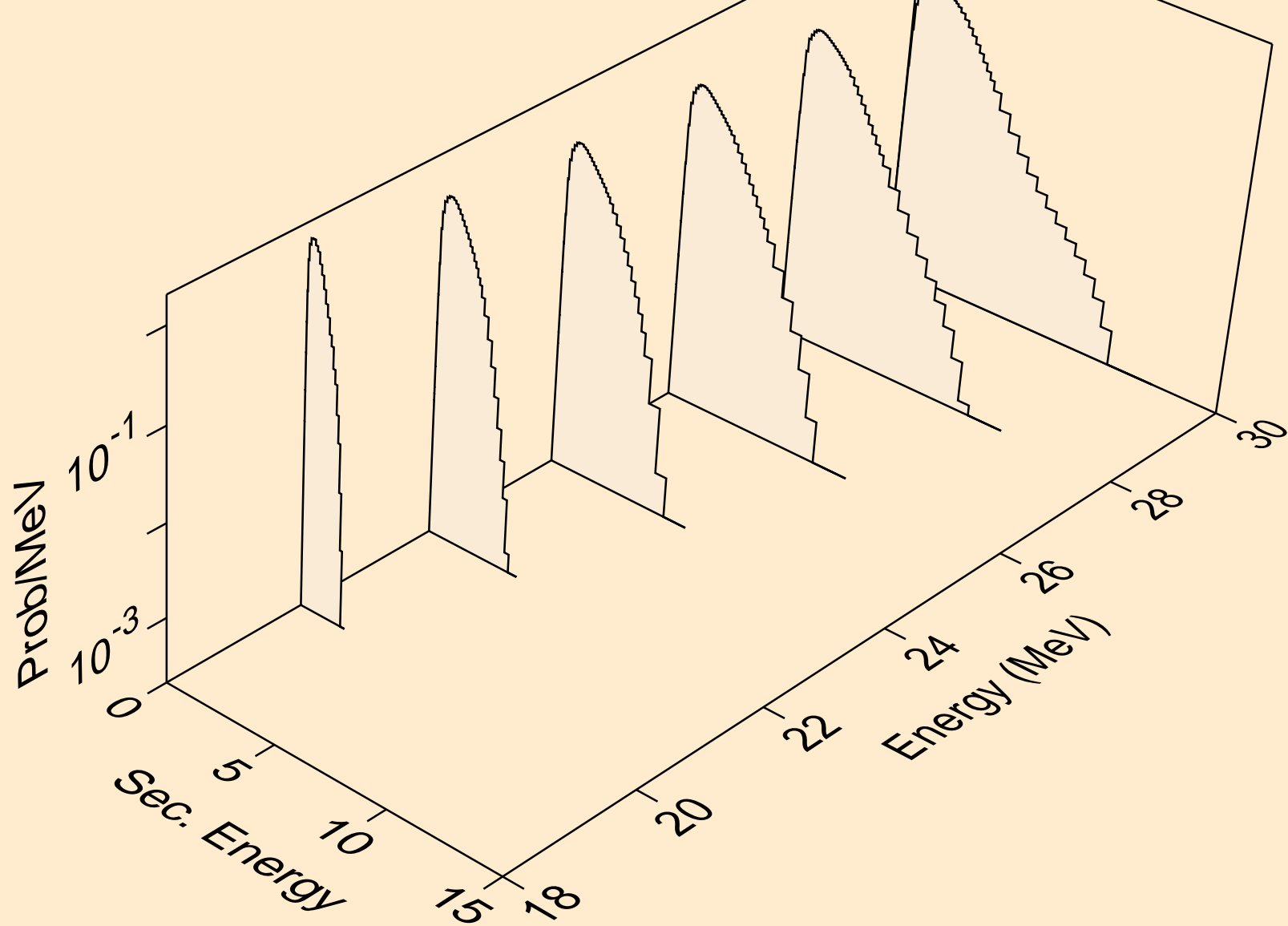
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Neutron emission for (n,2nd)



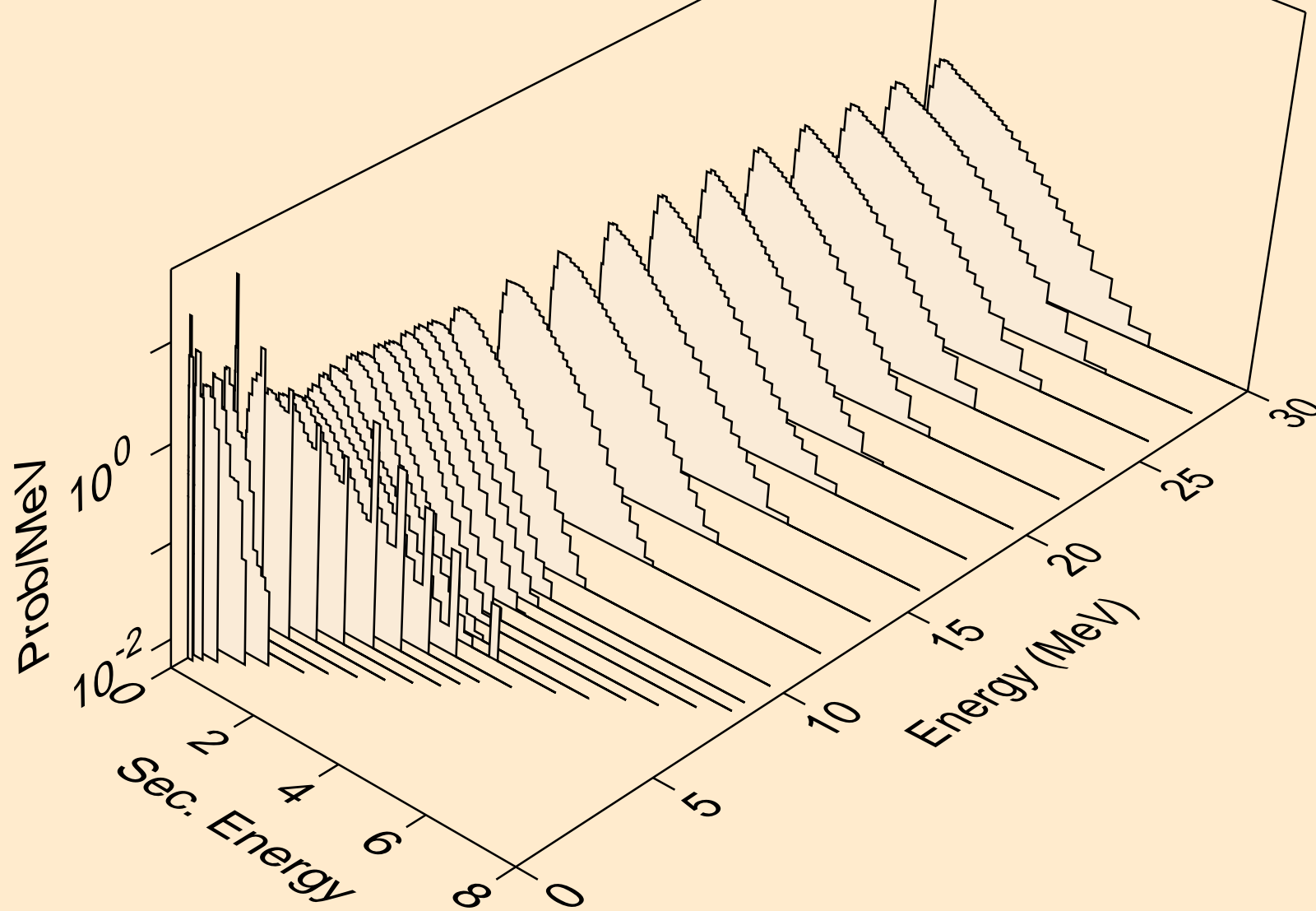
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

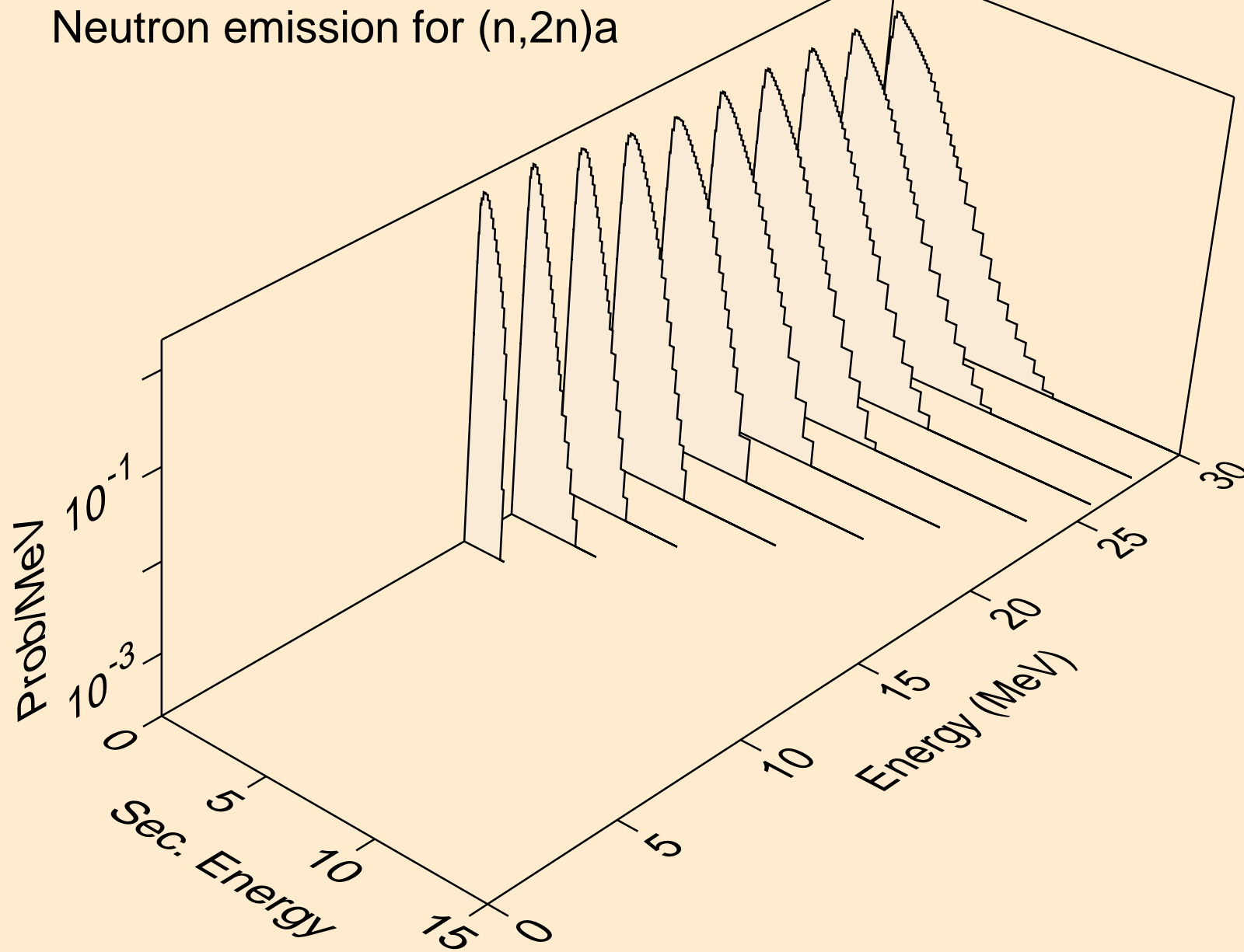


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

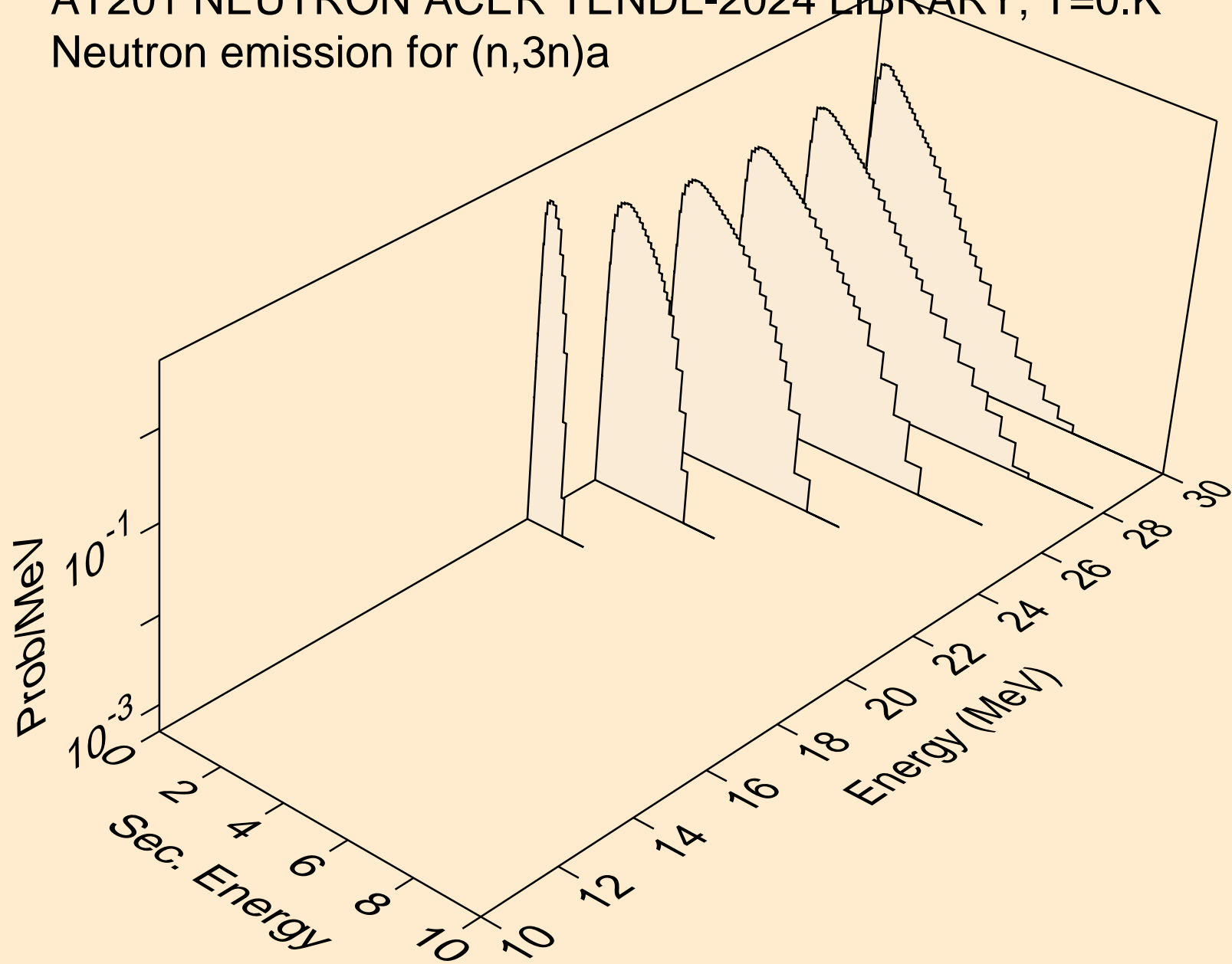




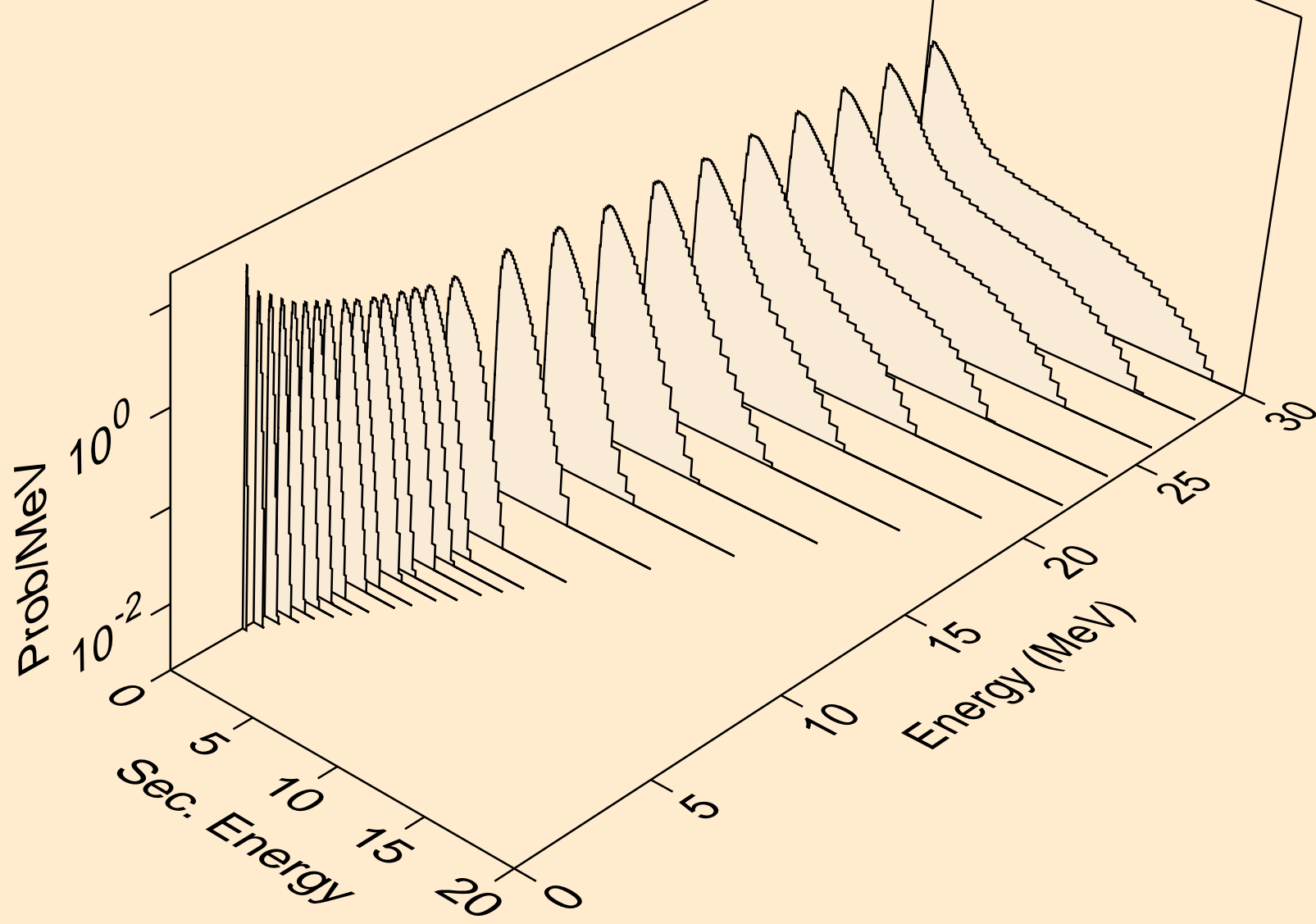
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Neutron emission for (n,2n)a



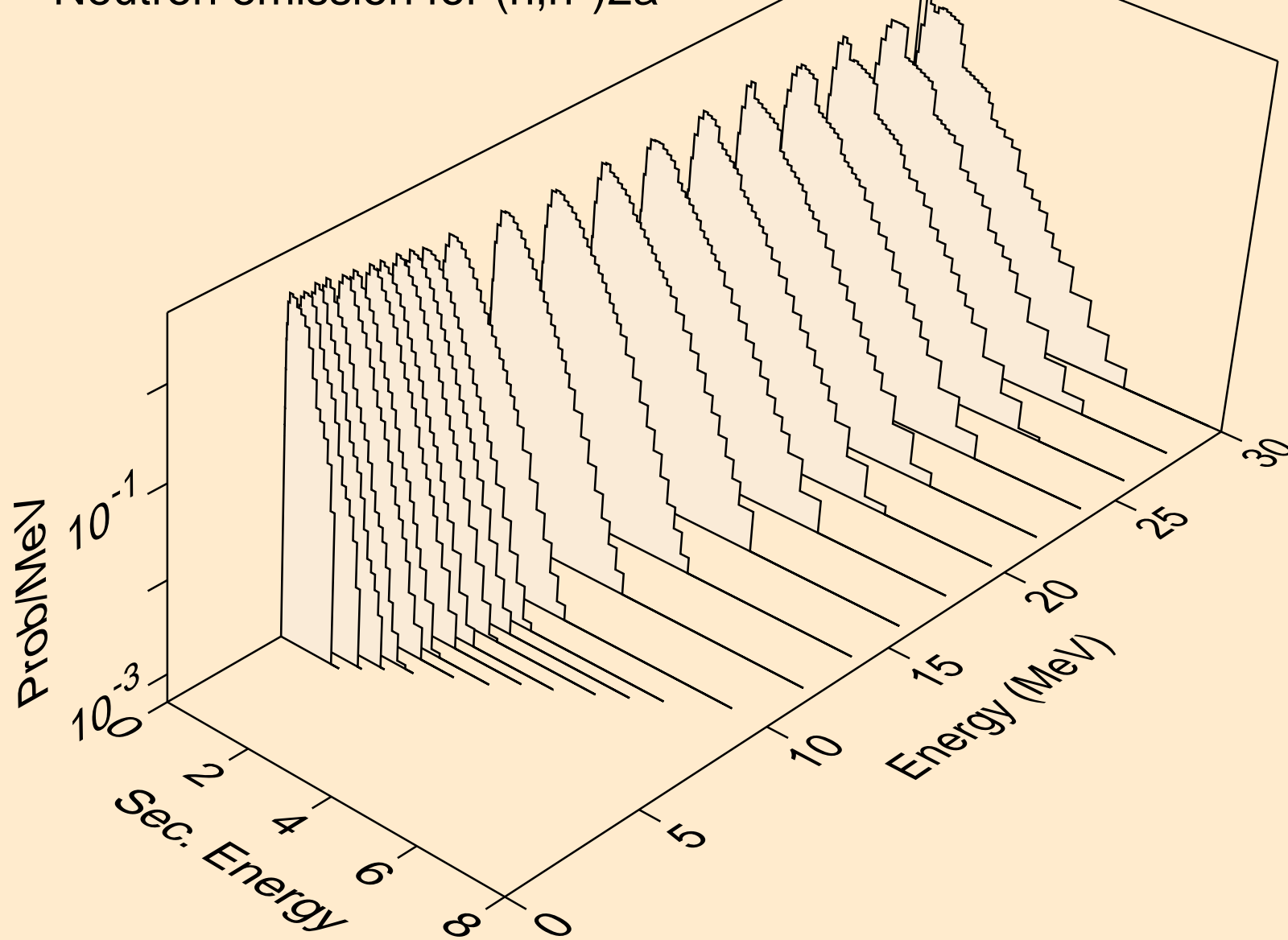
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Neutron emission for (n,3n)a



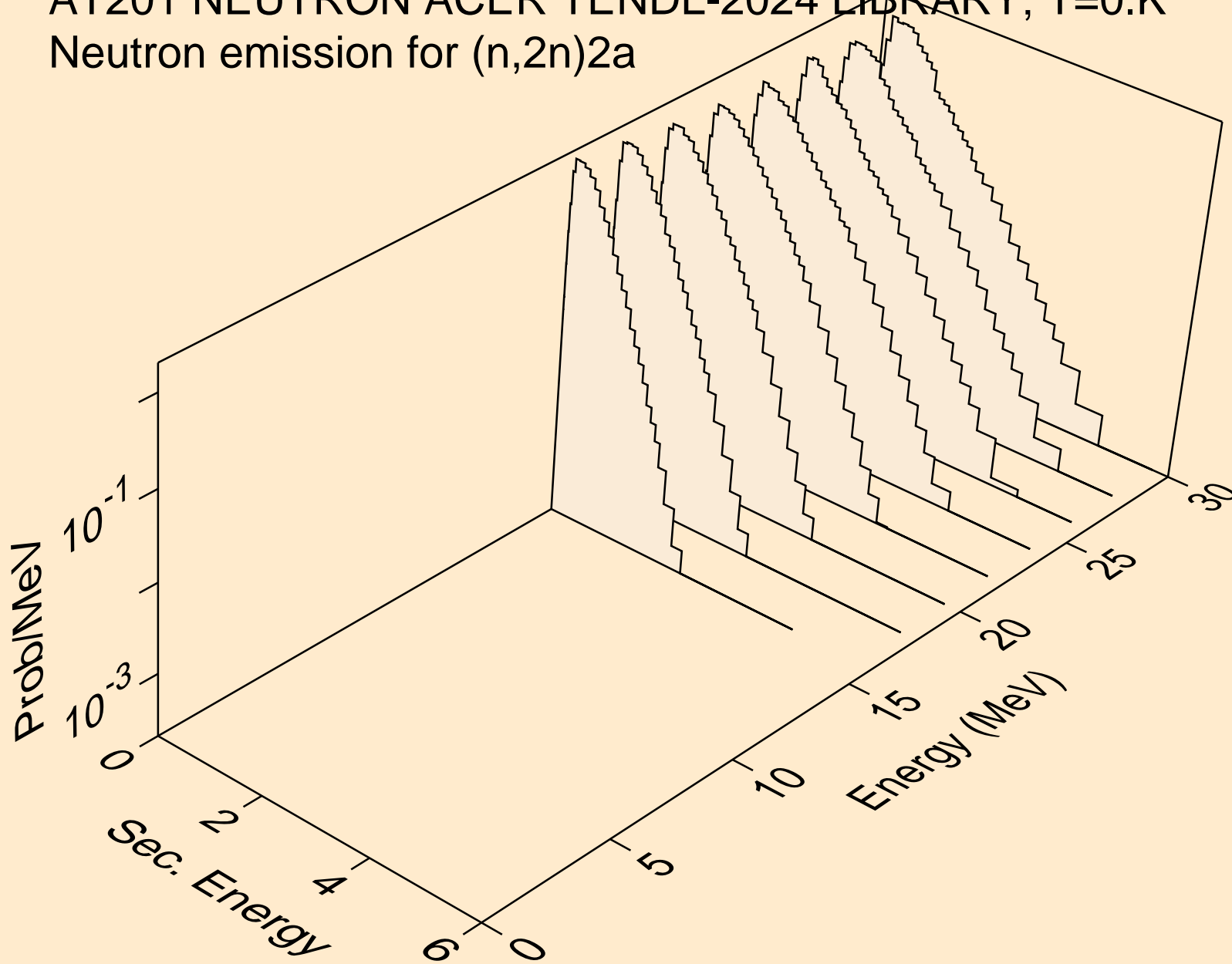
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



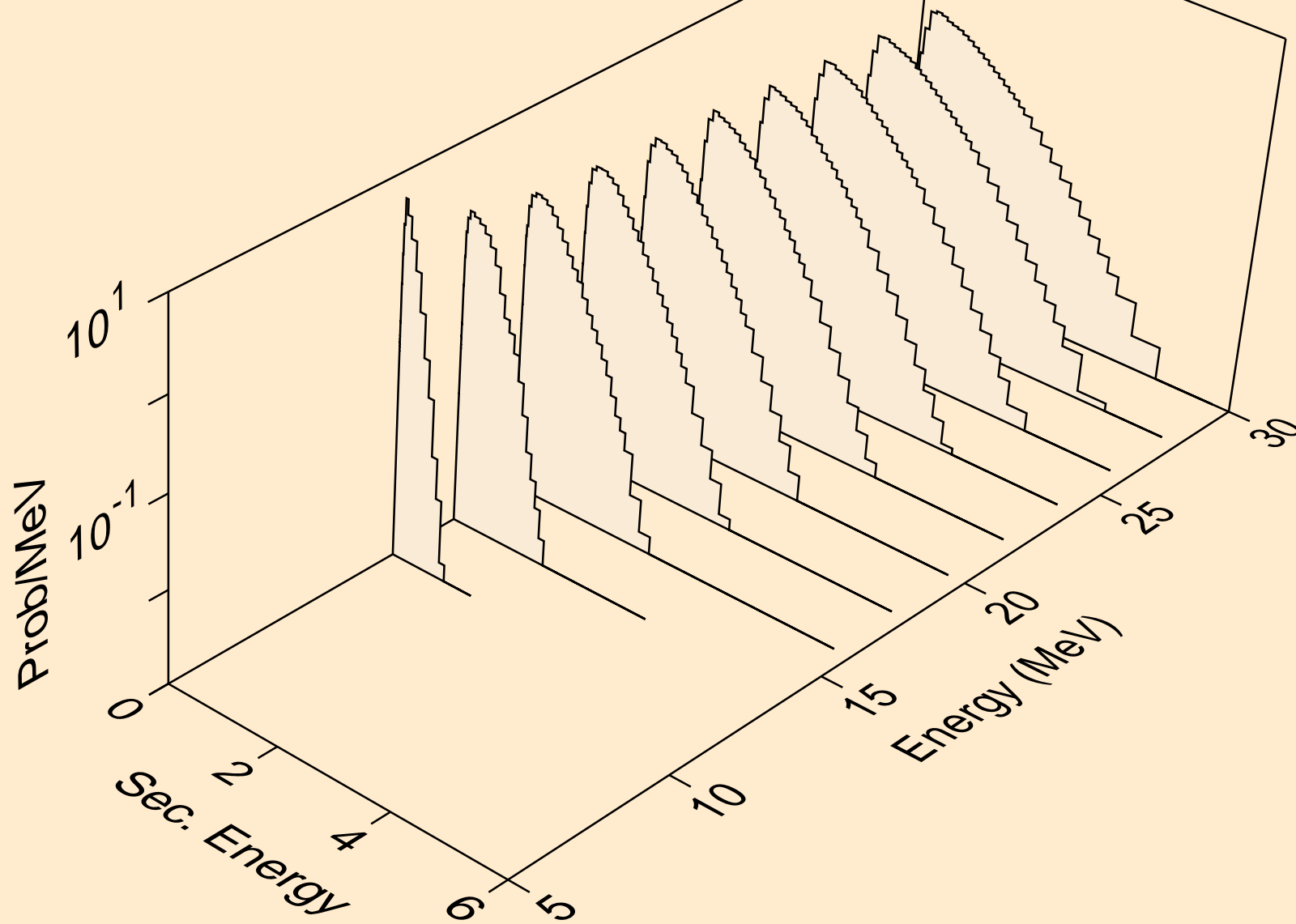
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Neutron emission for (n,n\*)2a



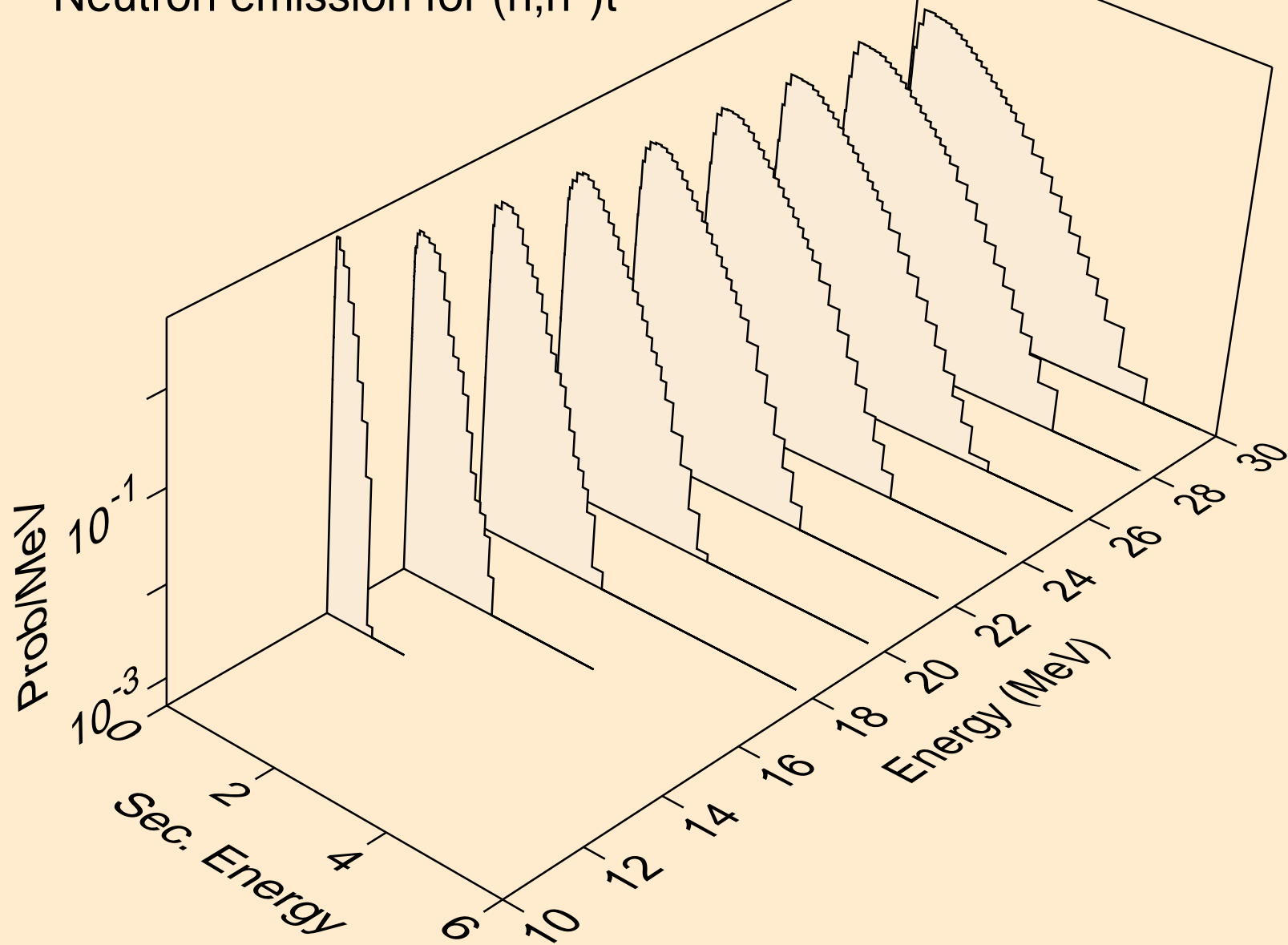
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Neutron emission for (n,2n)2a



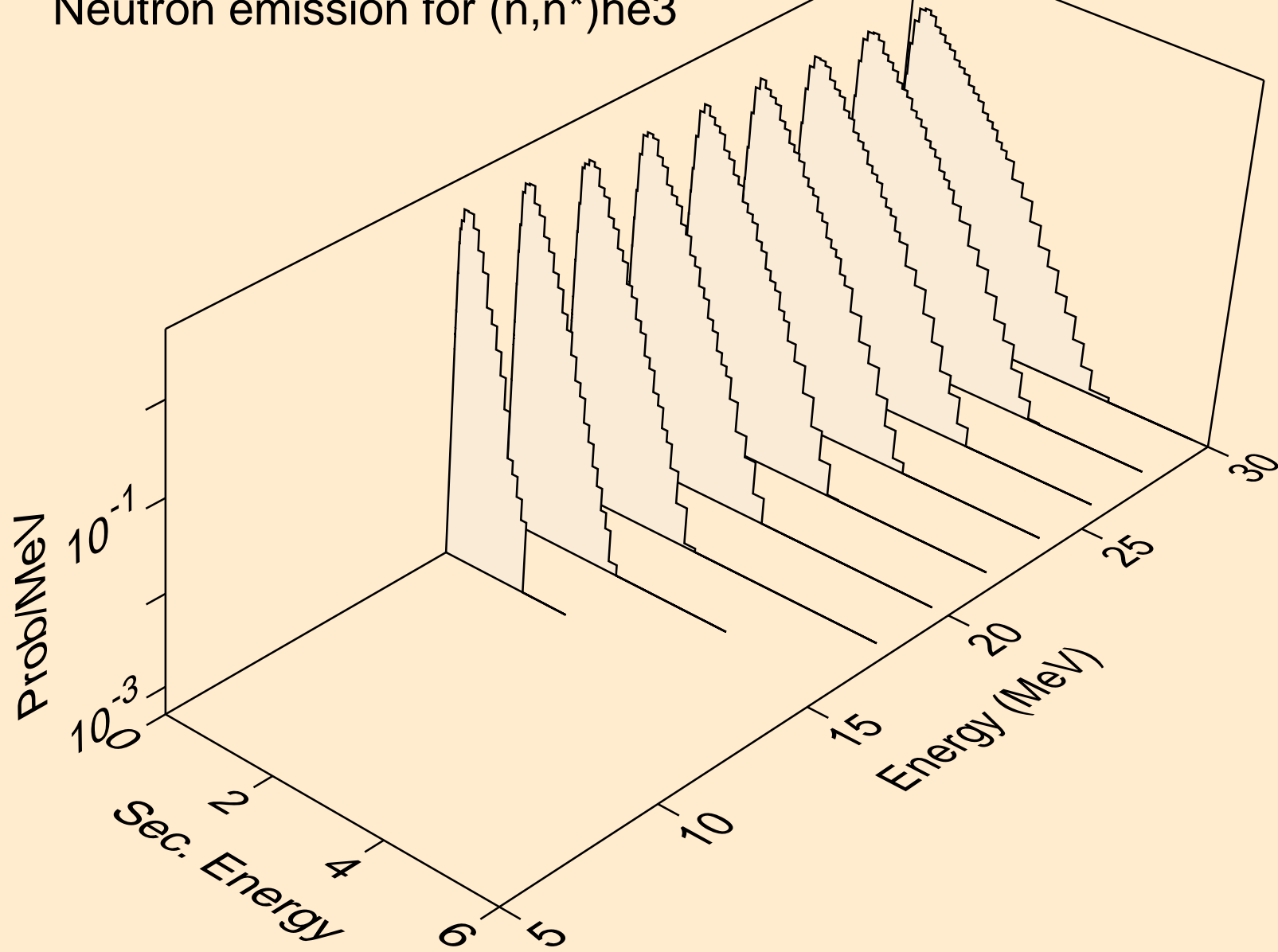
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

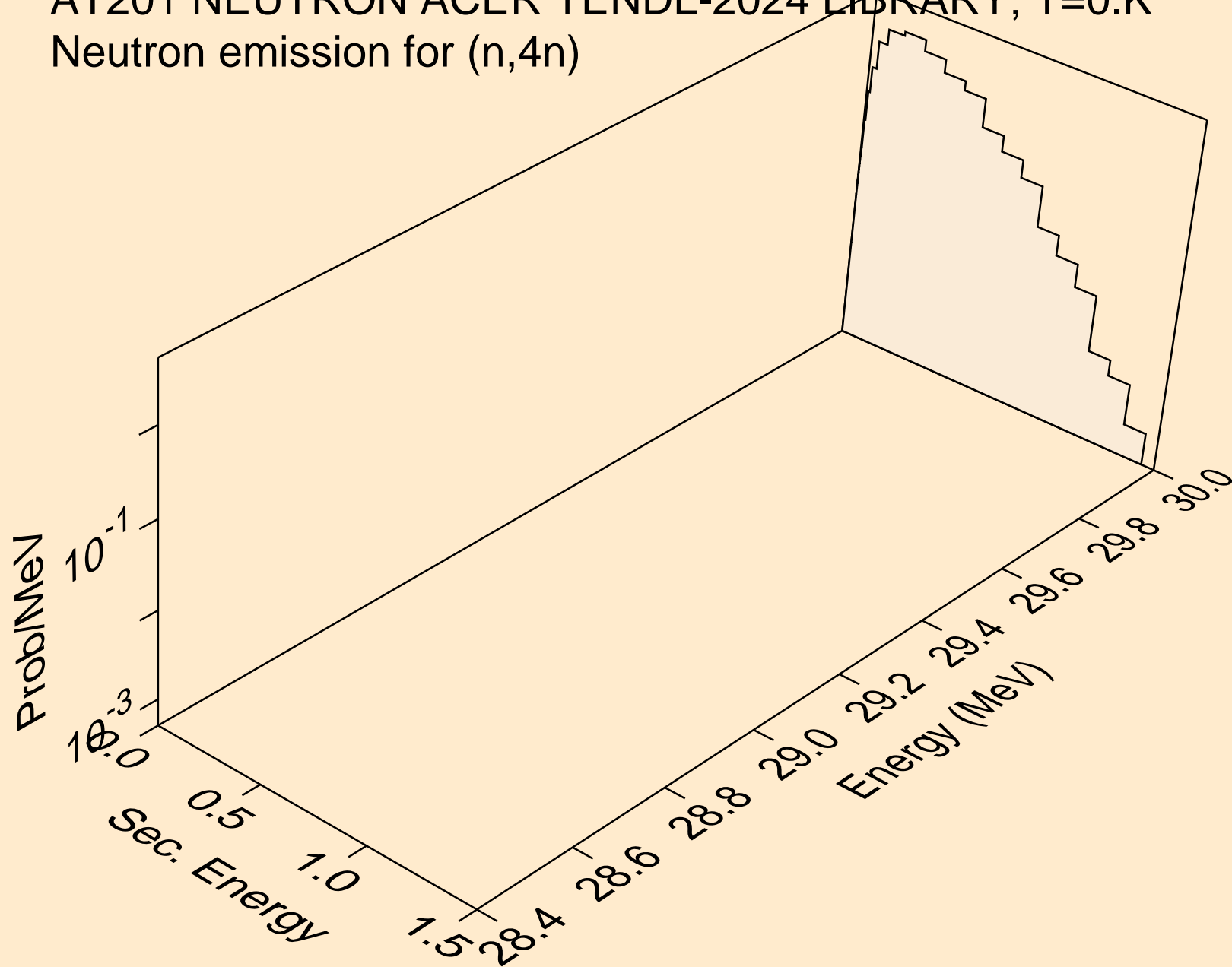


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

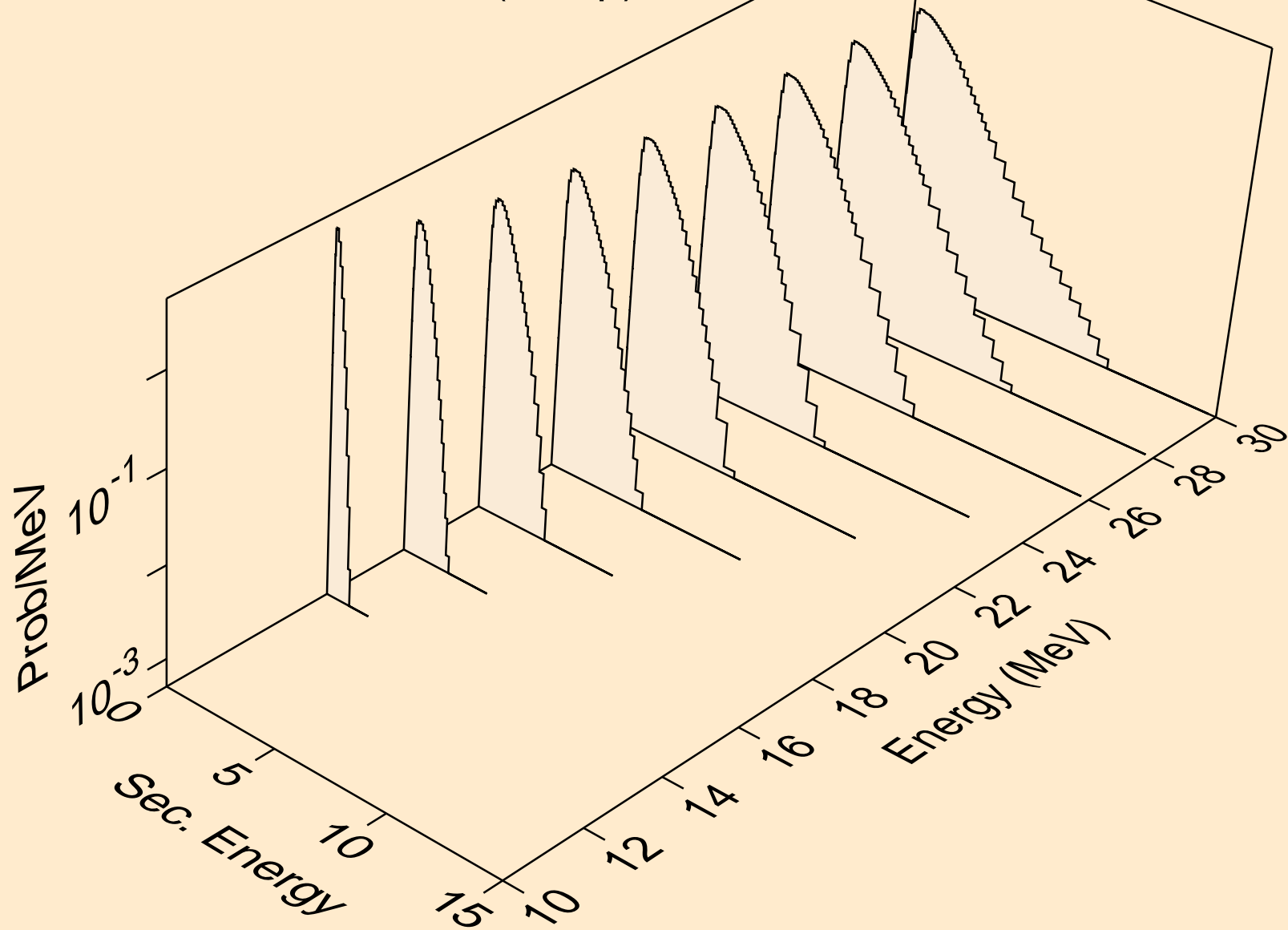




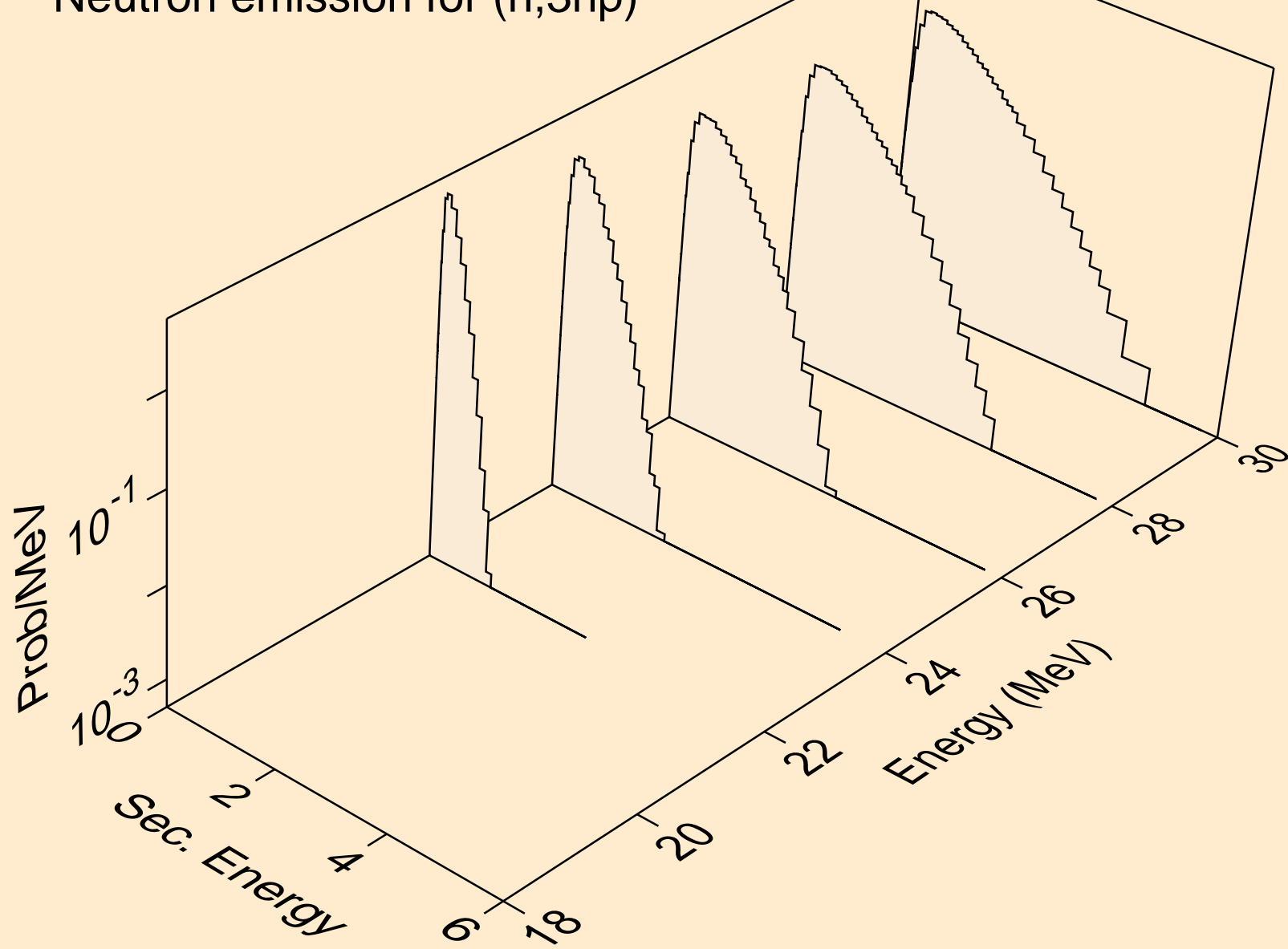
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Neutron emission for (n,4n)



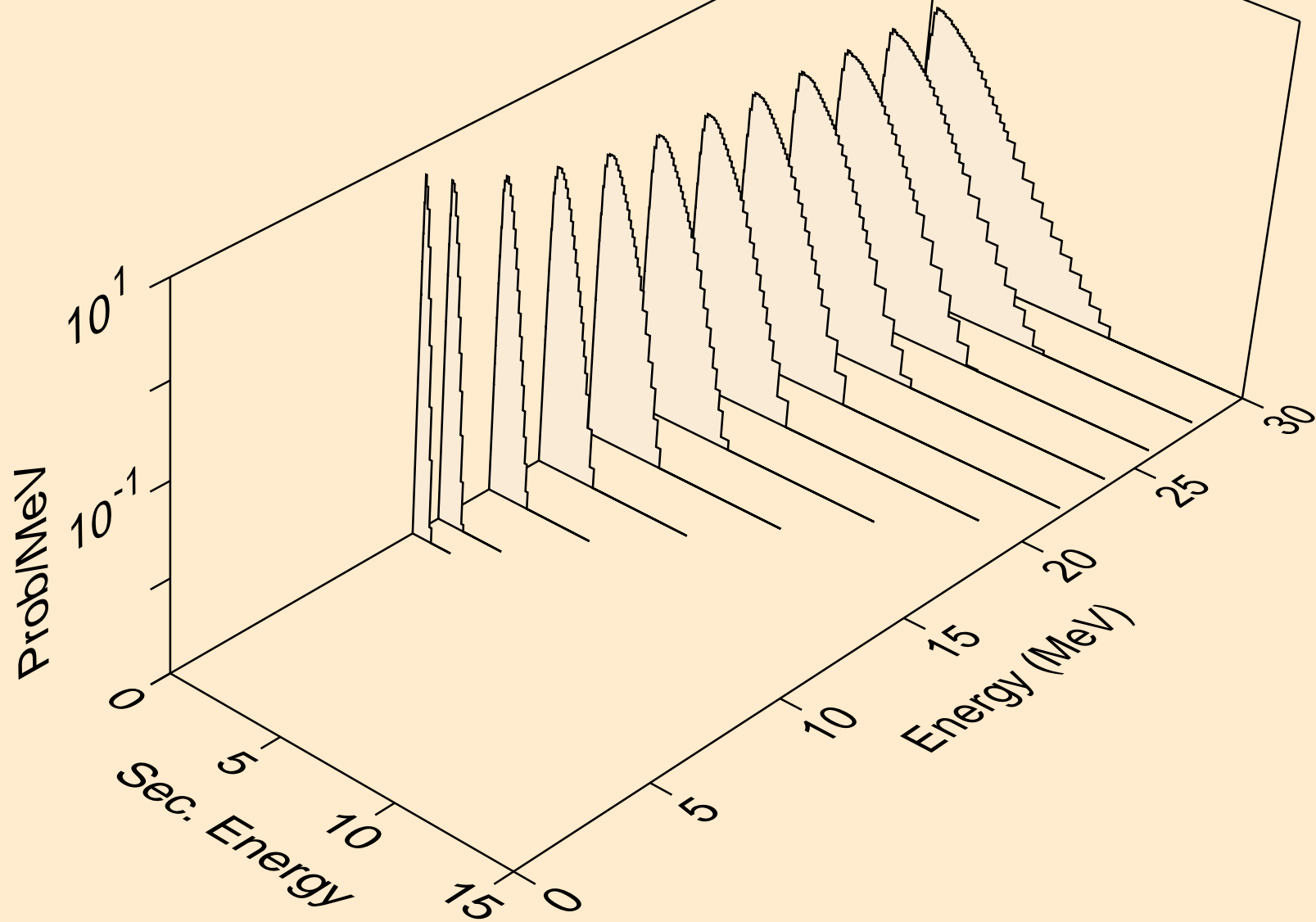
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Neutron emission for (n,2np)



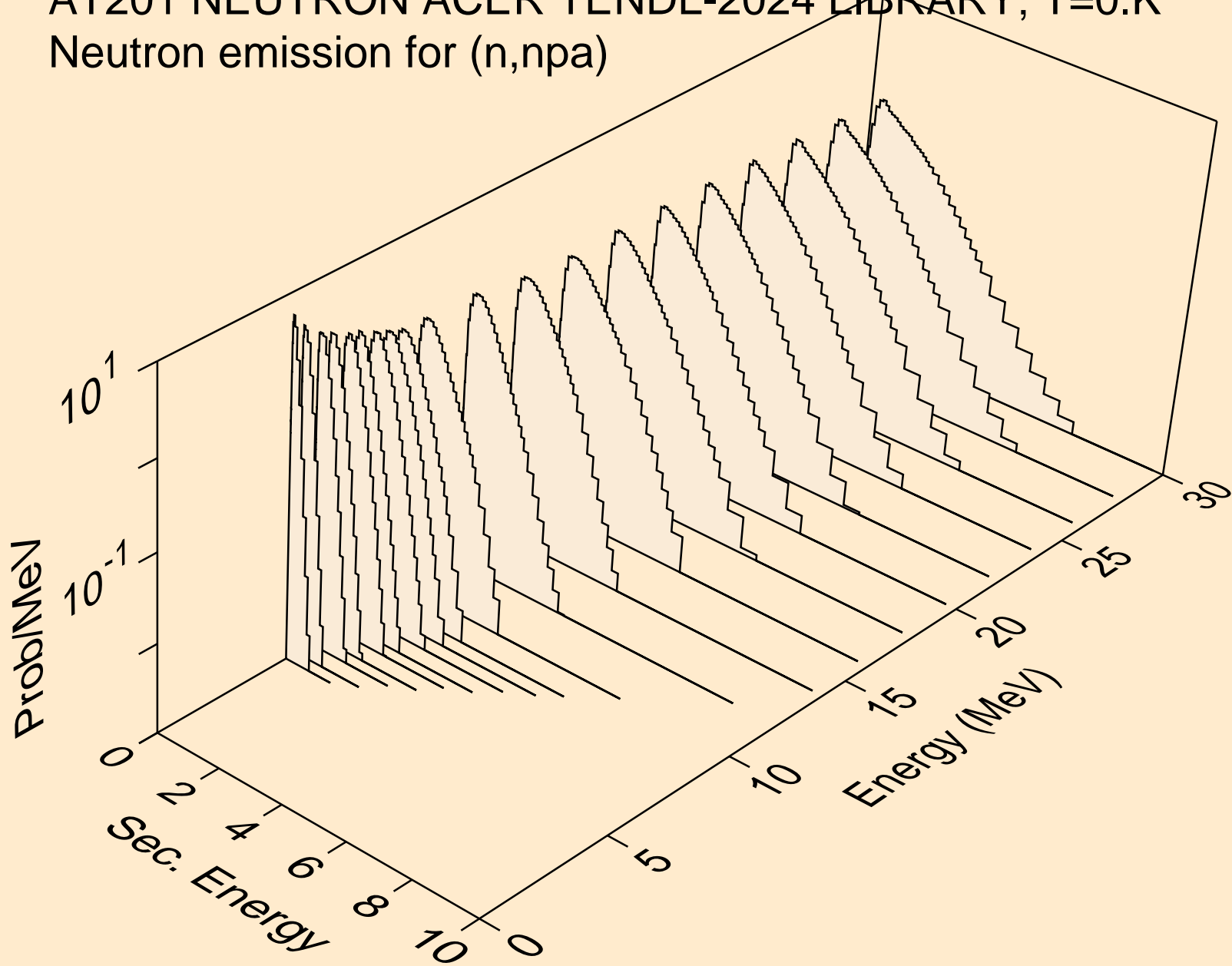
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Neutron emission for (n,3np)



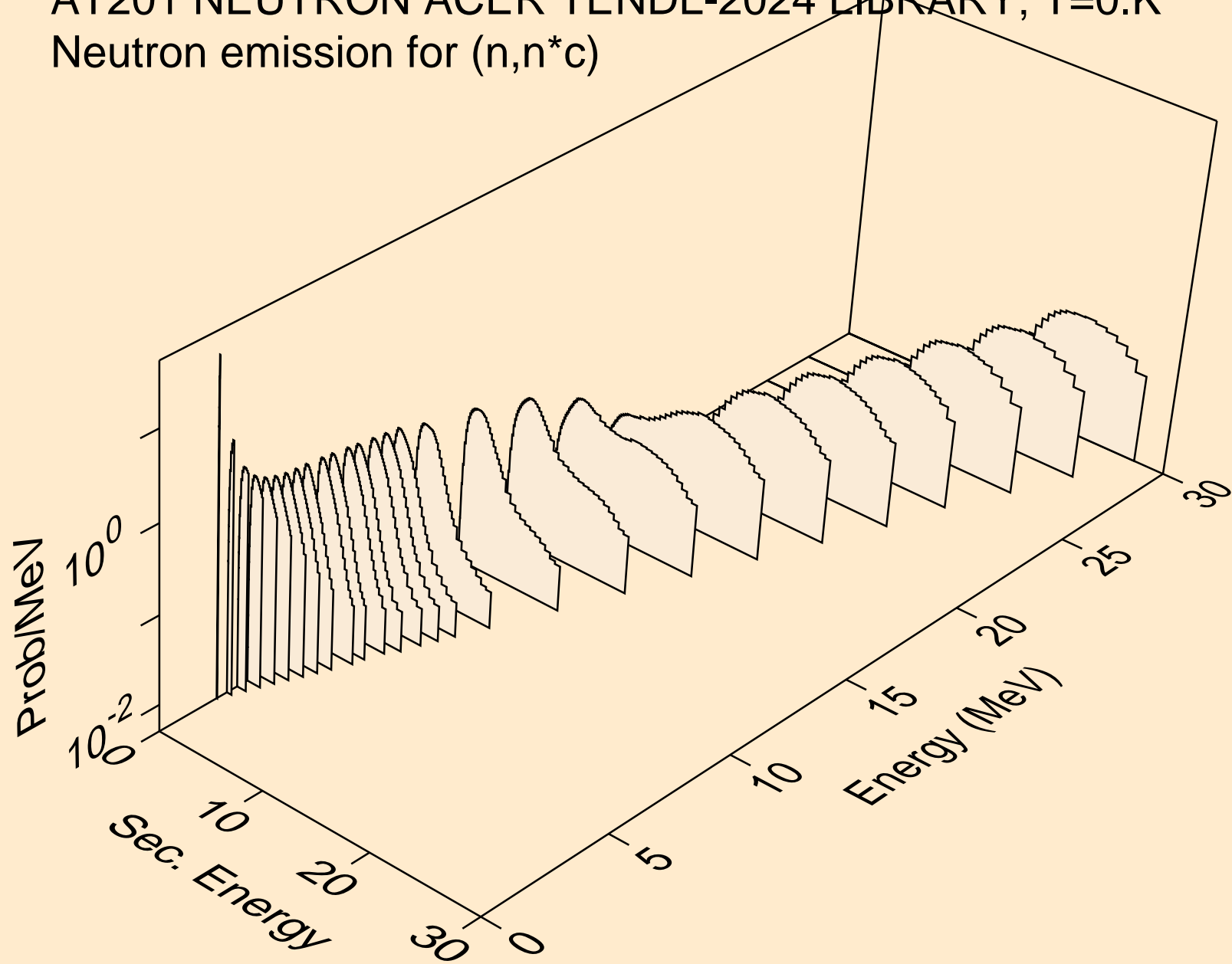
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Neutron emission for (n,n2p)



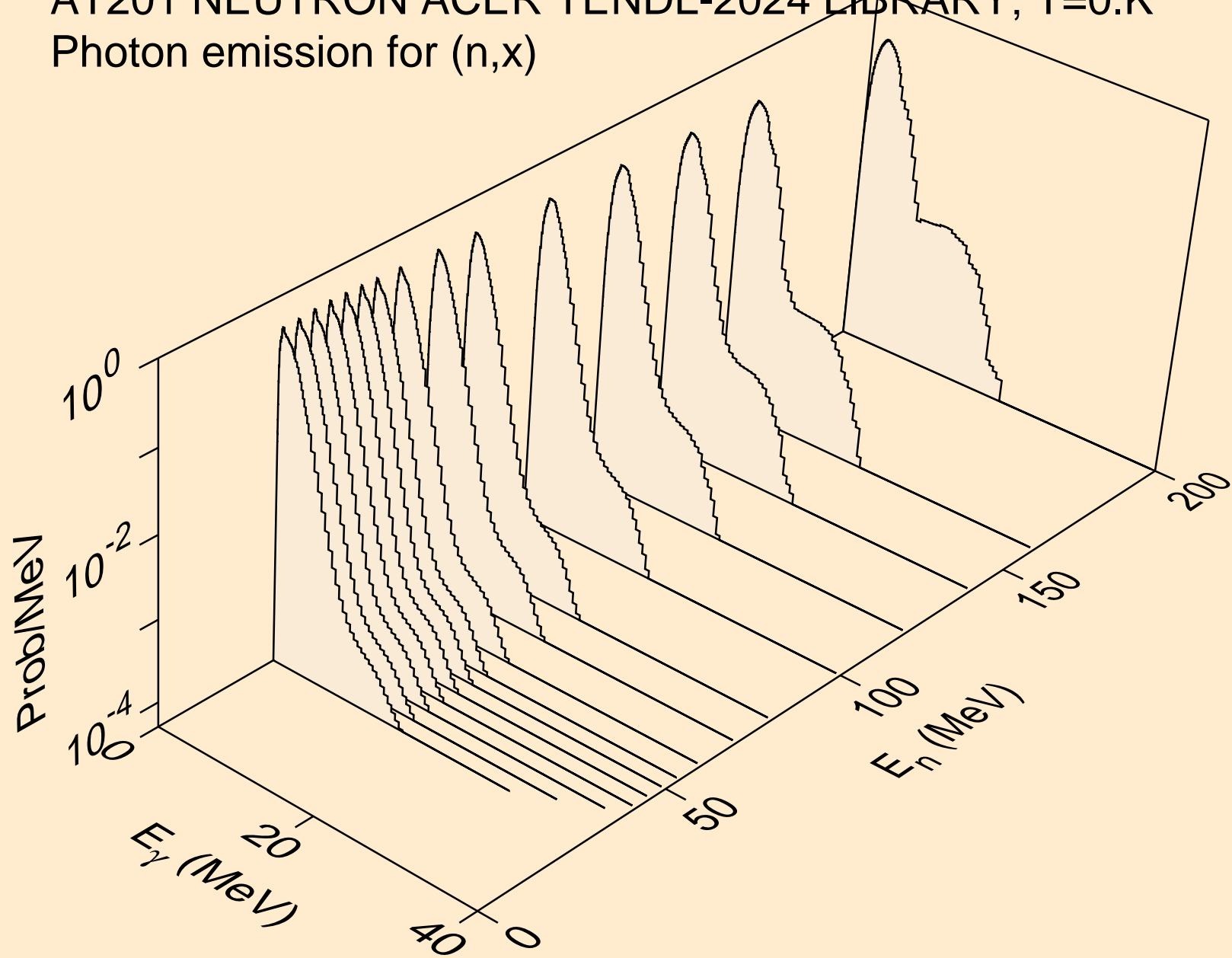
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Neutron emission for (n,npa)



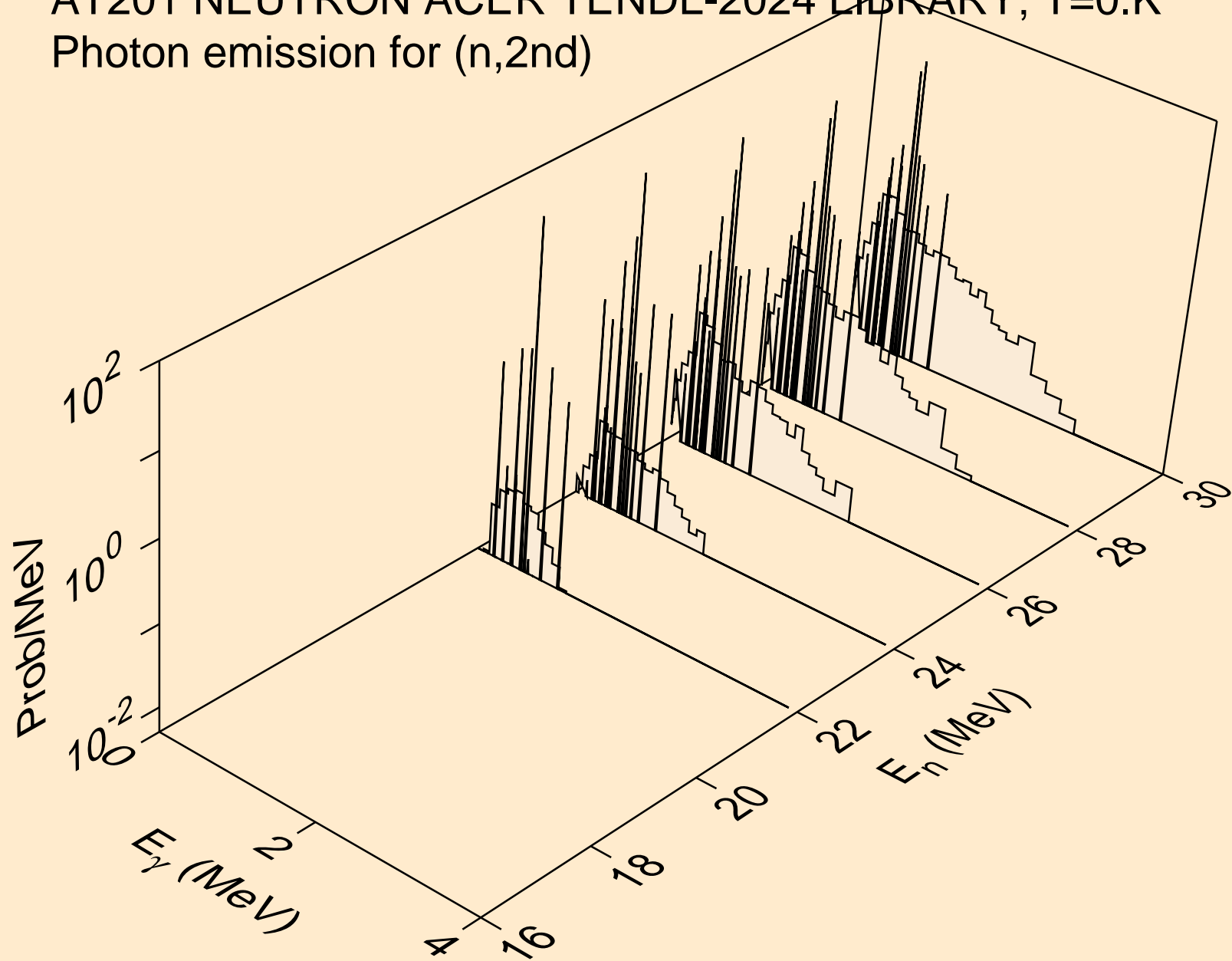
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

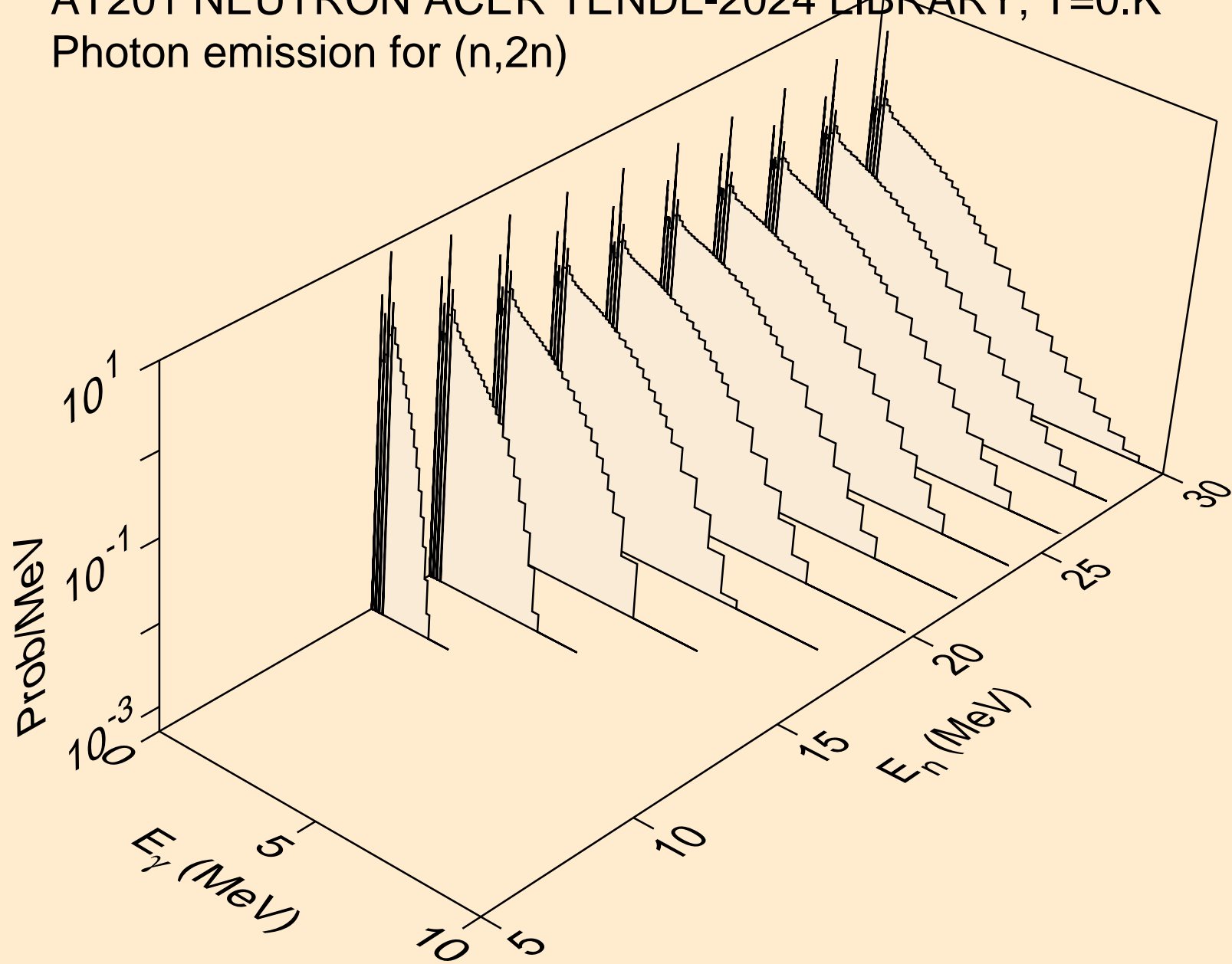


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

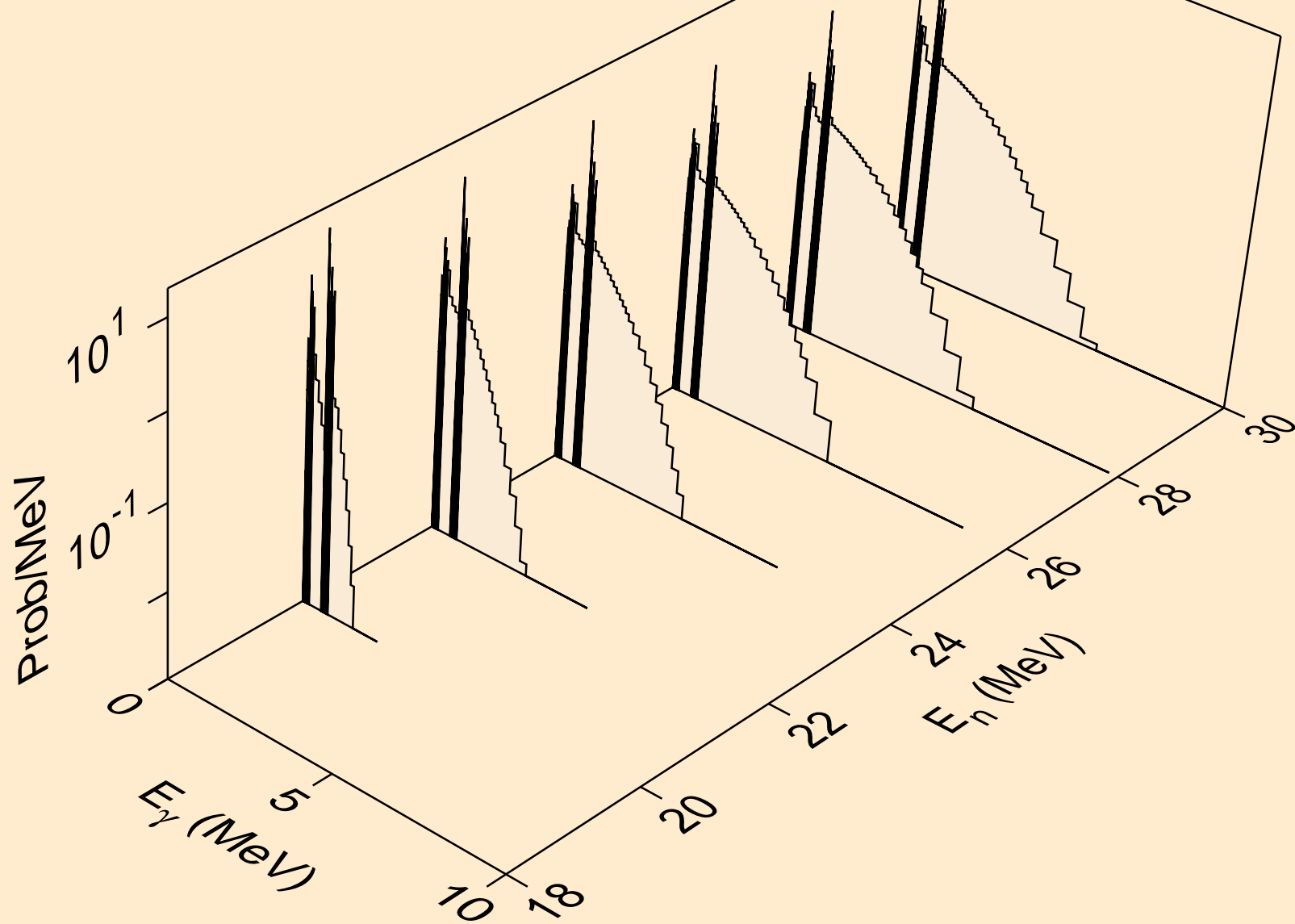




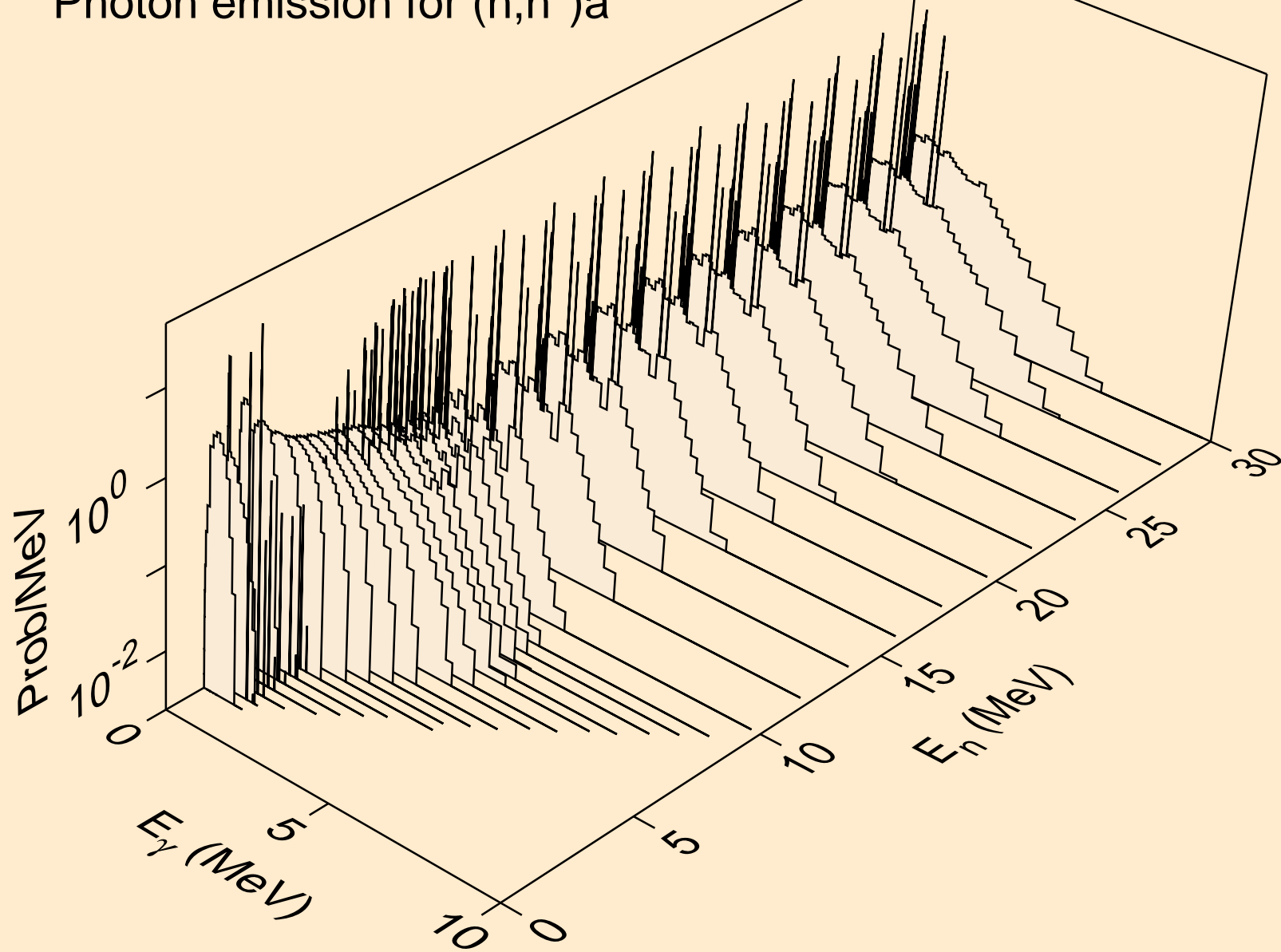
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Photon emission for (n,2n)



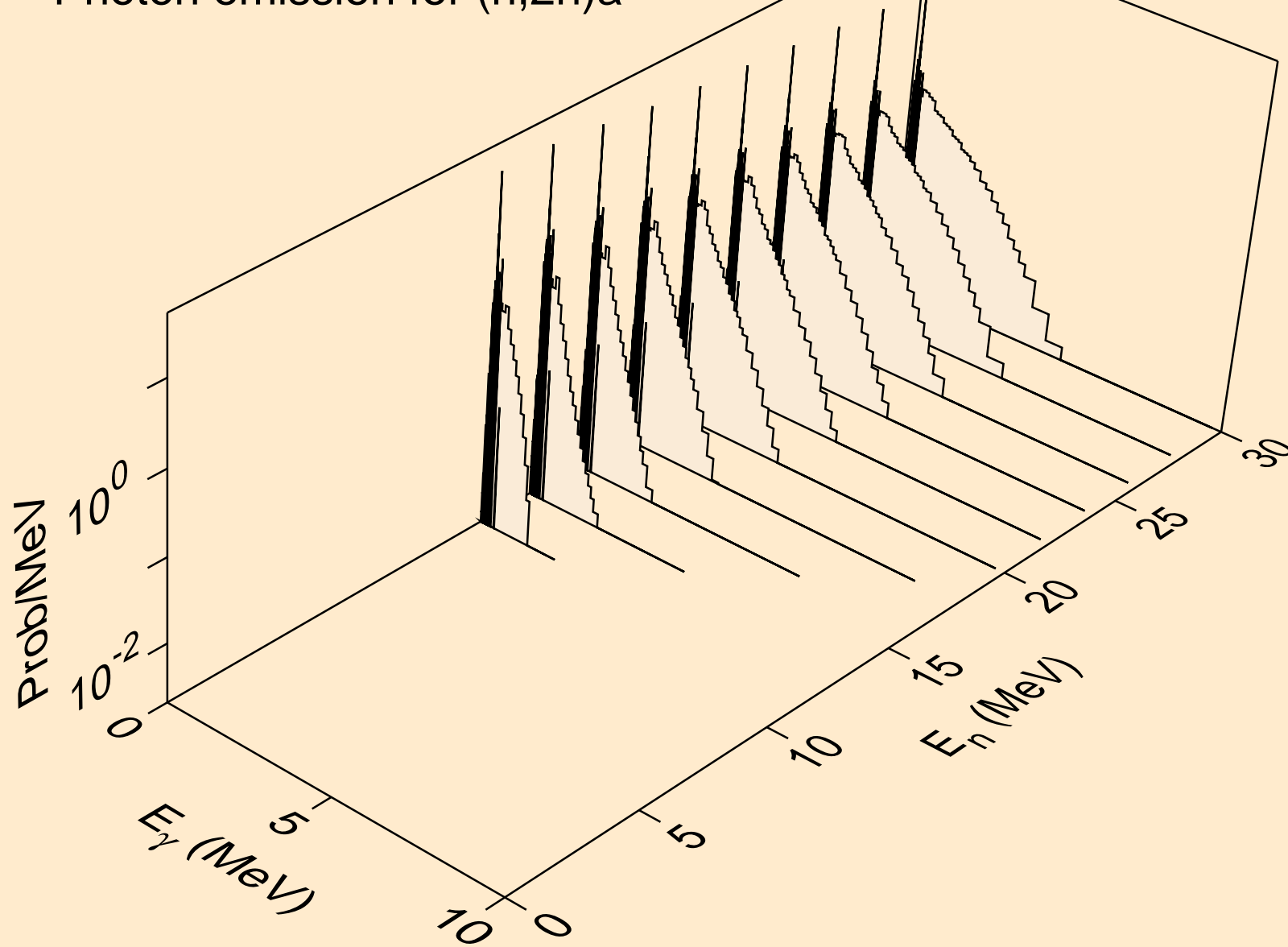
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Photon emission for (n,3n)



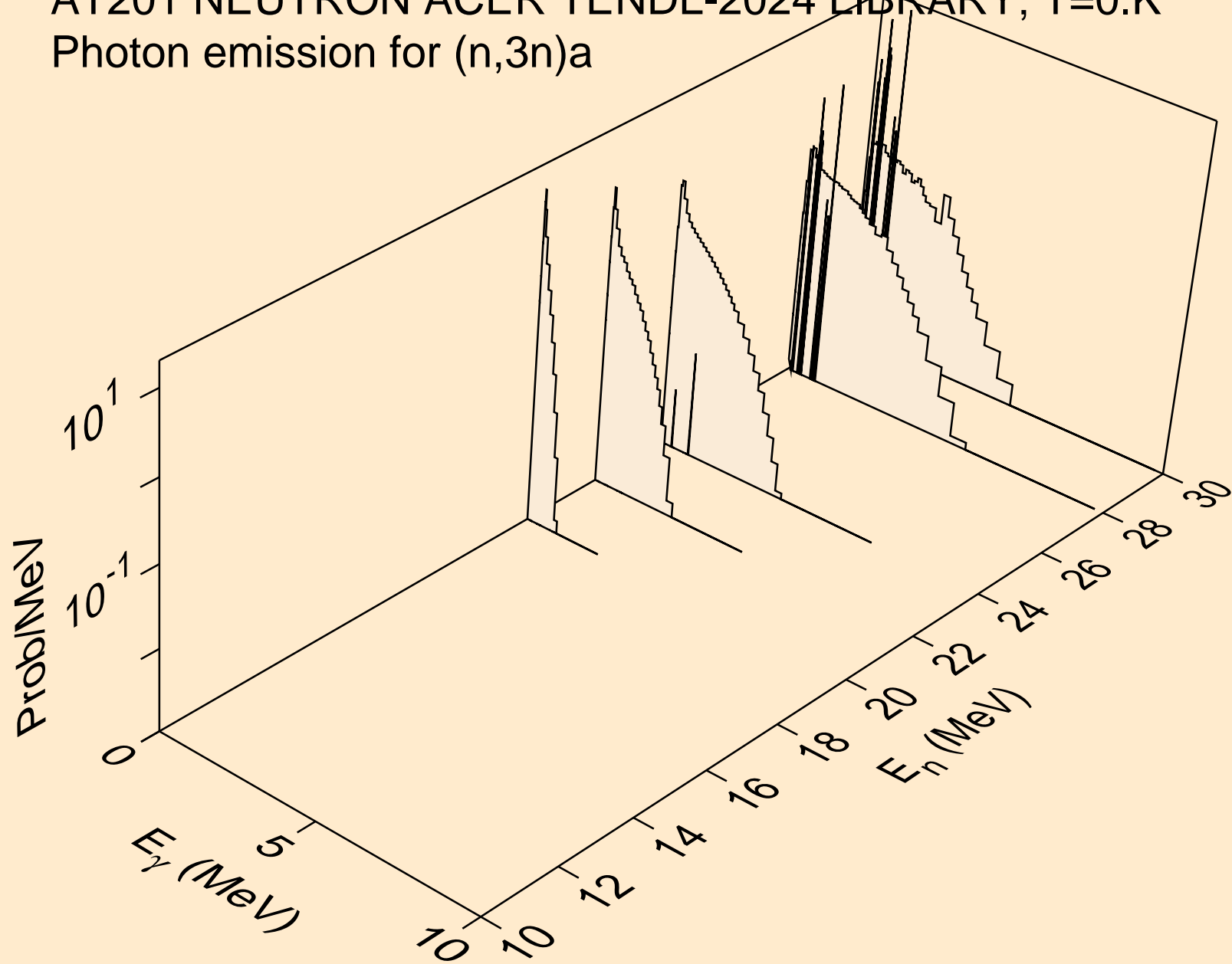
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Photon emission for (n,n\*)a



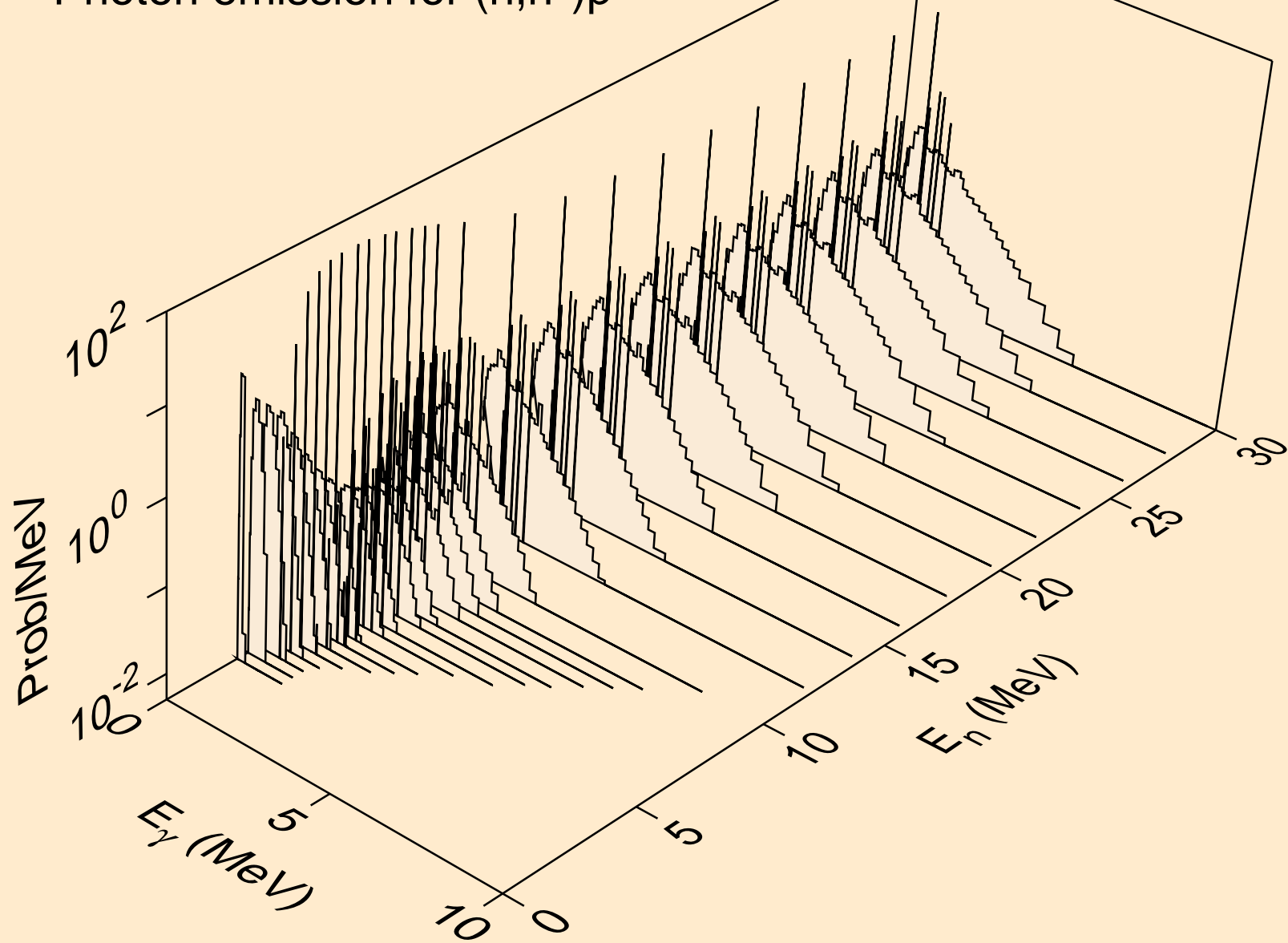
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Photon emission for (n,2n)a



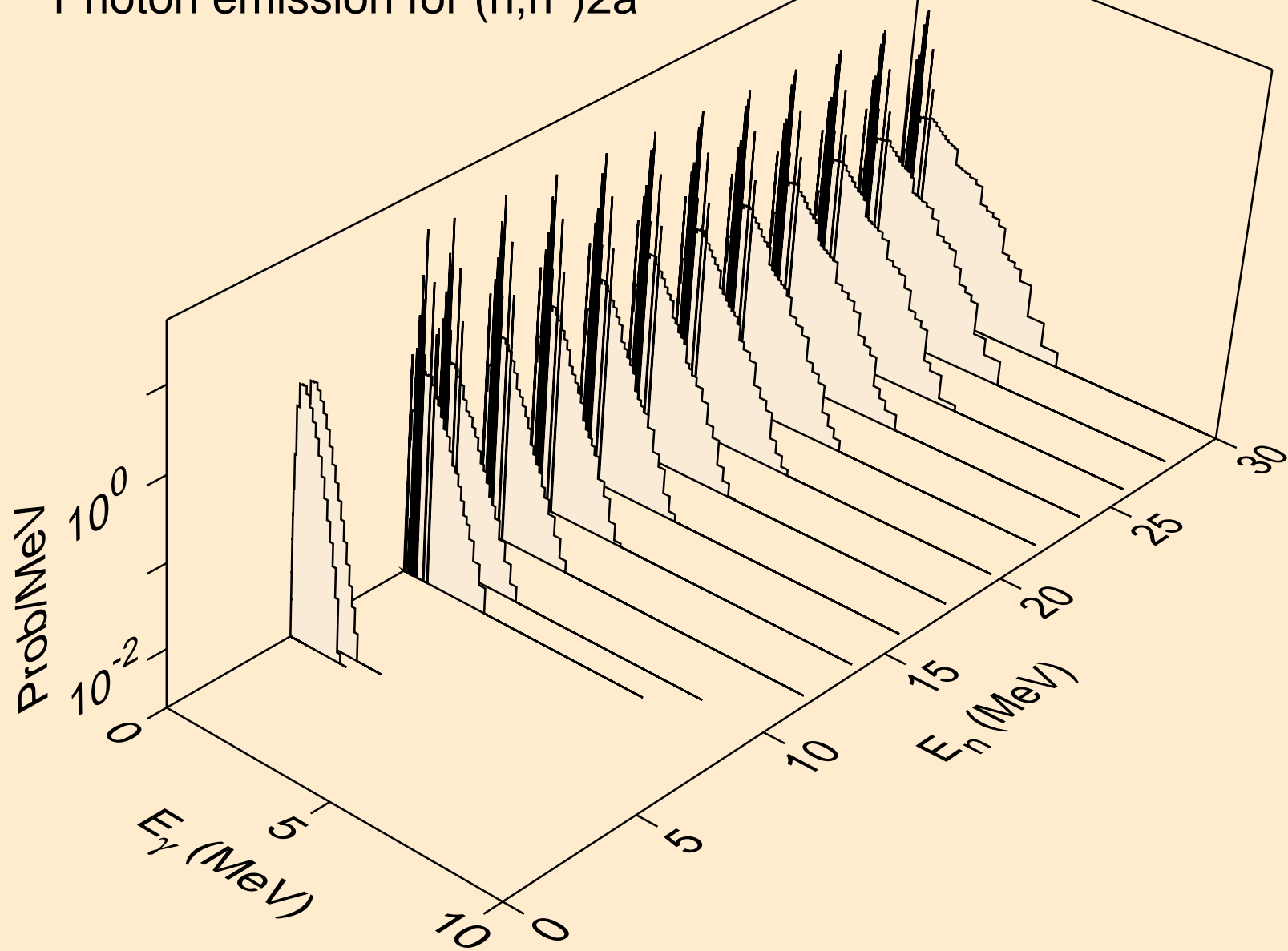
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Photon emission for (n,3n)a



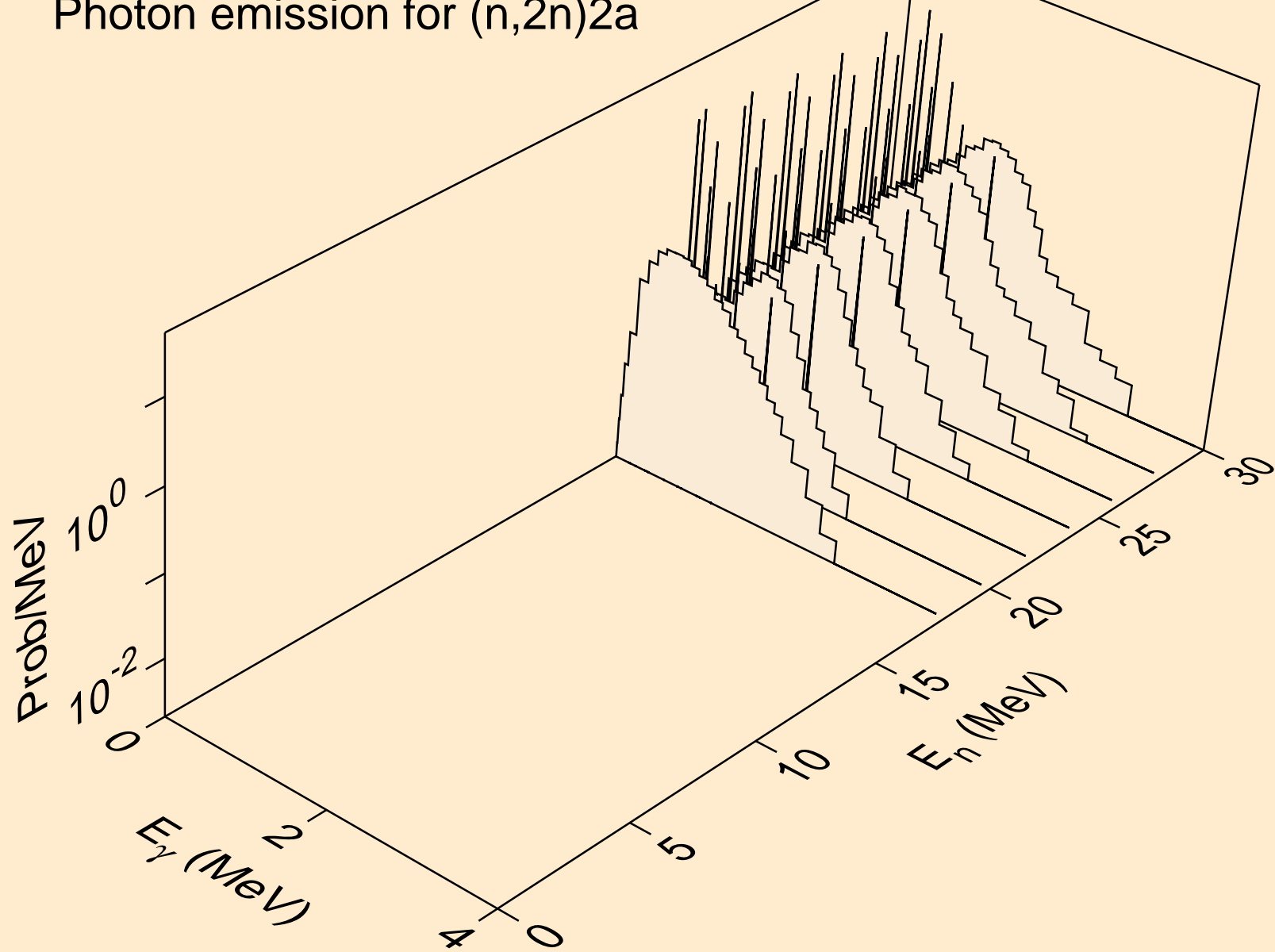
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

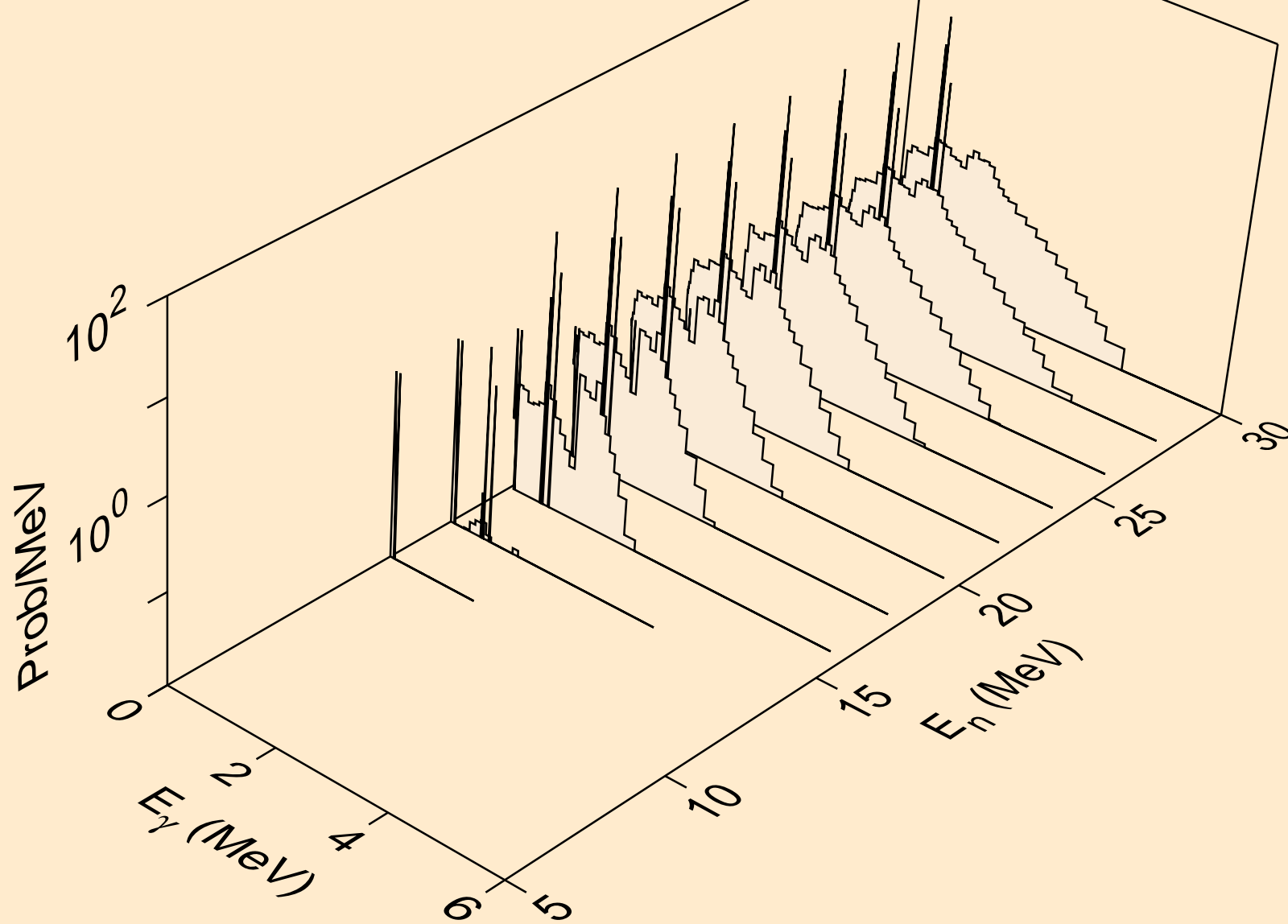


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Photon emission for (n,2n)2a

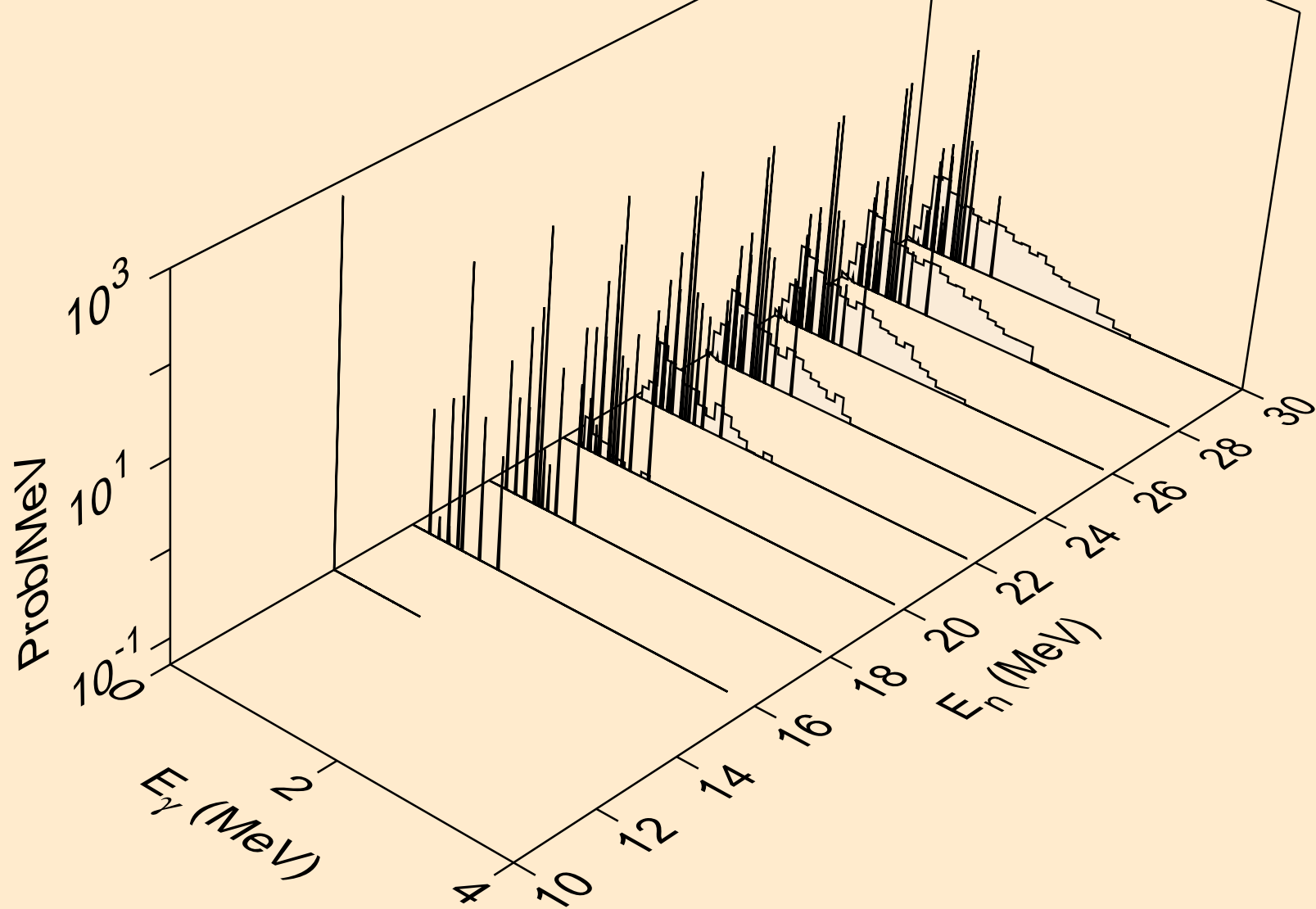




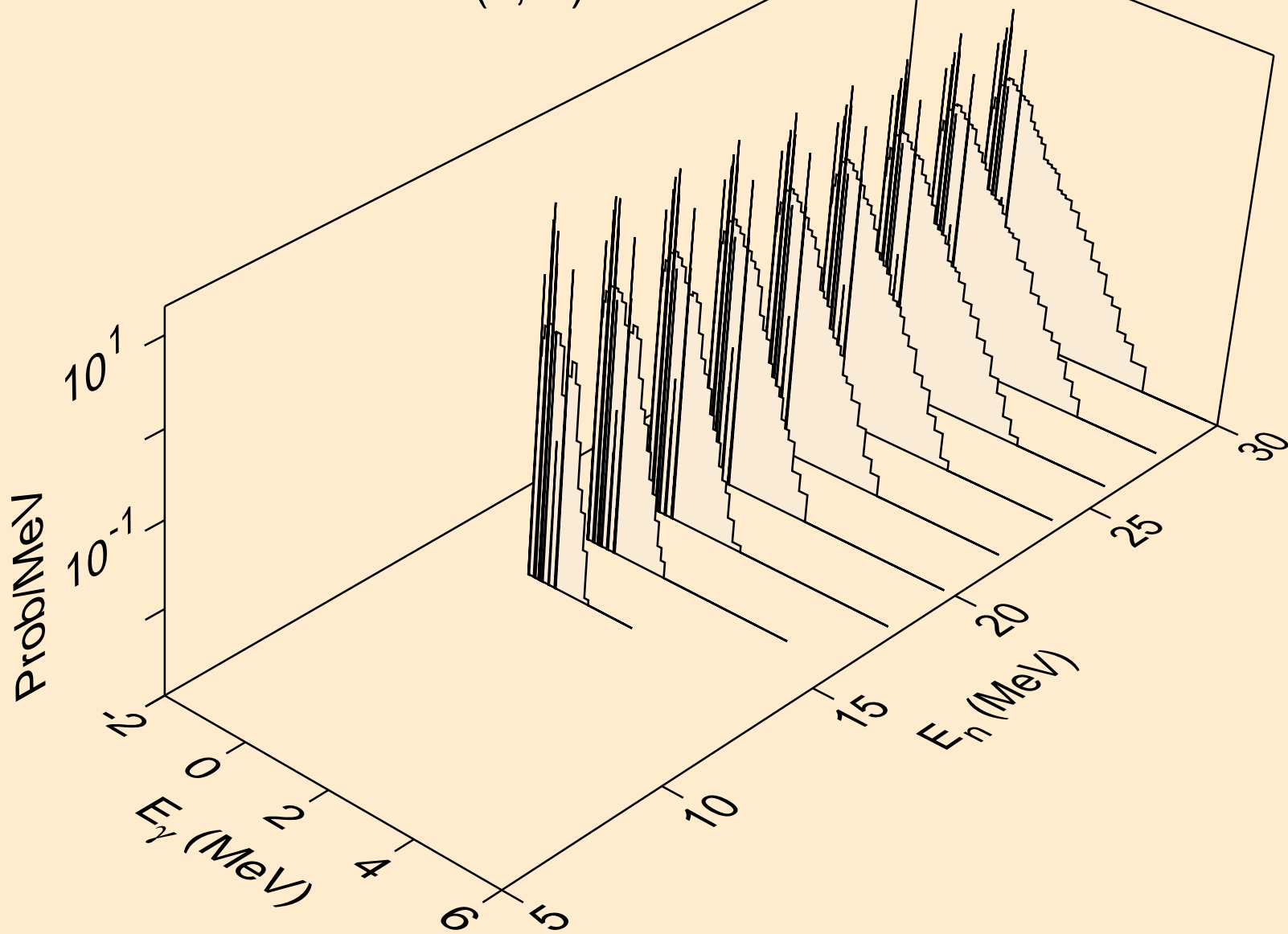
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Photon emission for (n,n\*)d



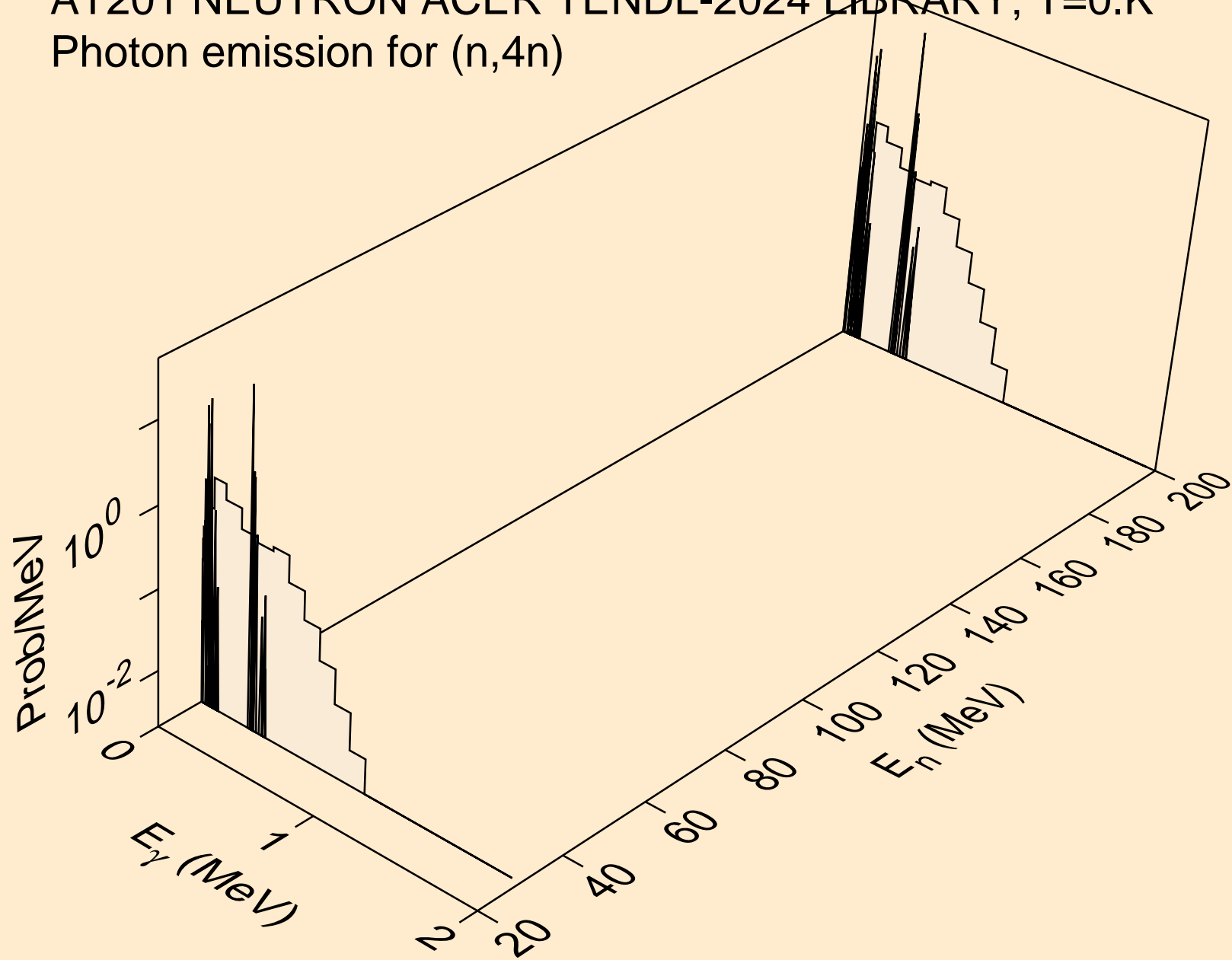
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Photon emission for (n,n\*)t



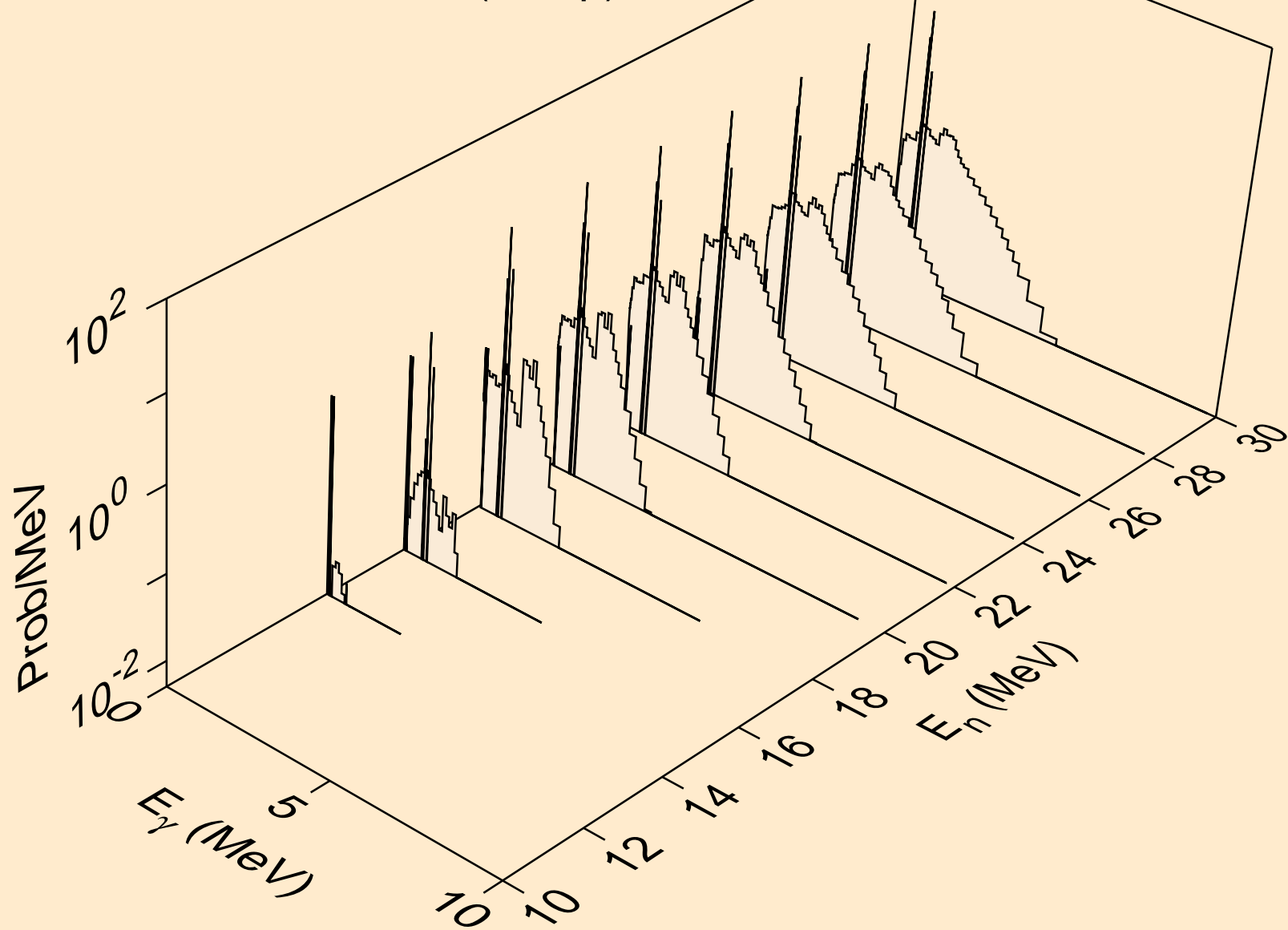
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



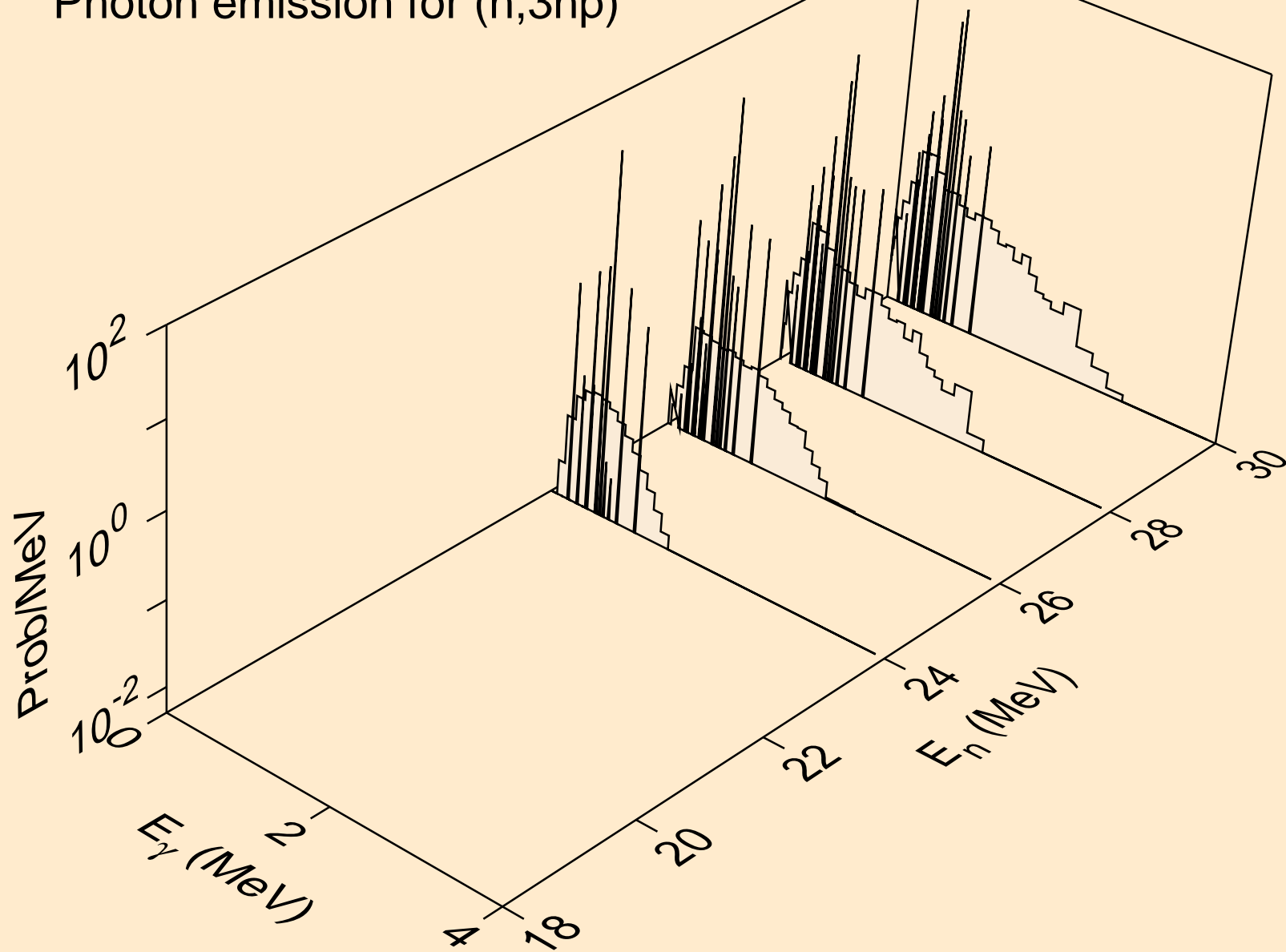
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Photon emission for (n,4n)



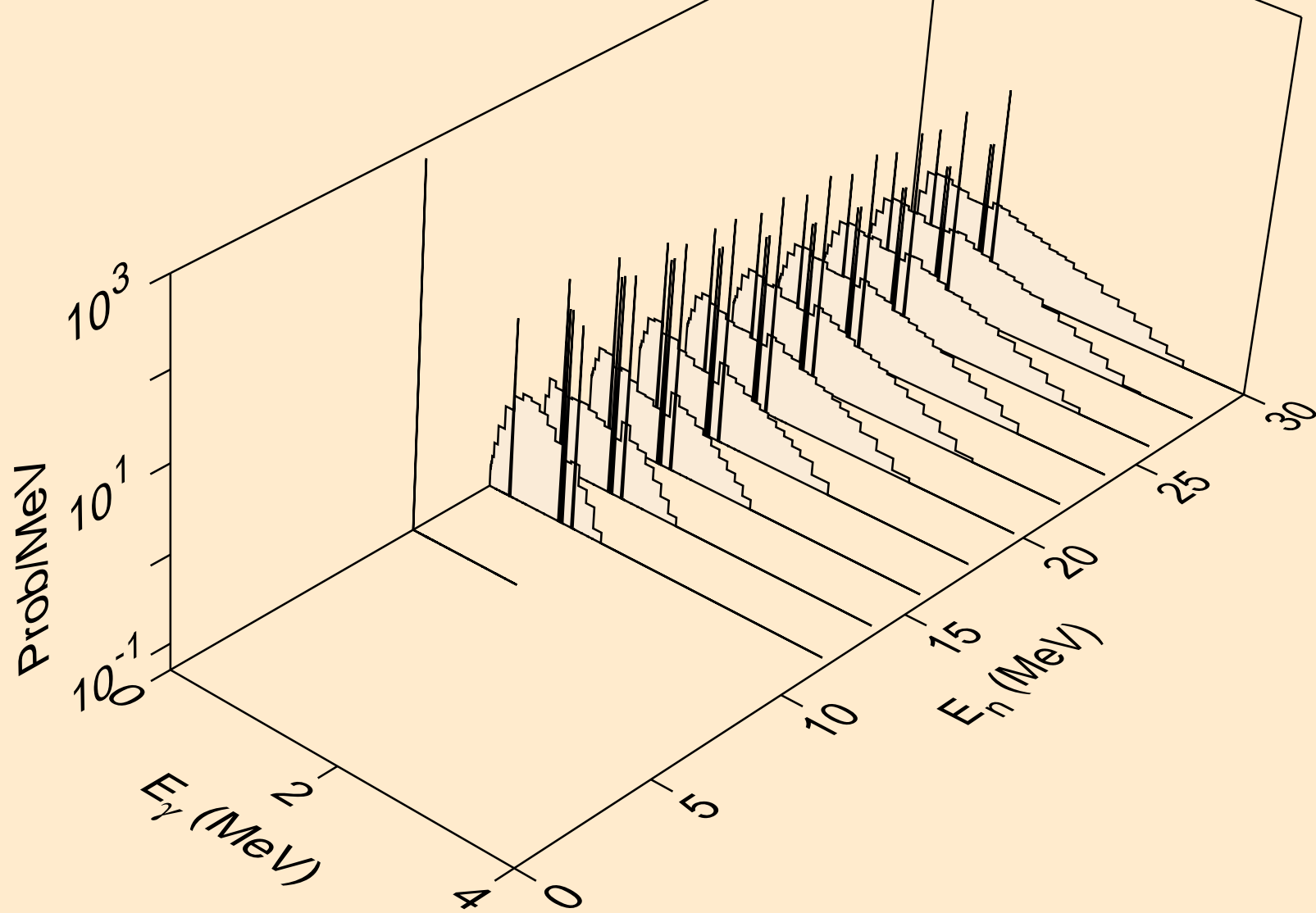
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Photon emission for (n,2np)



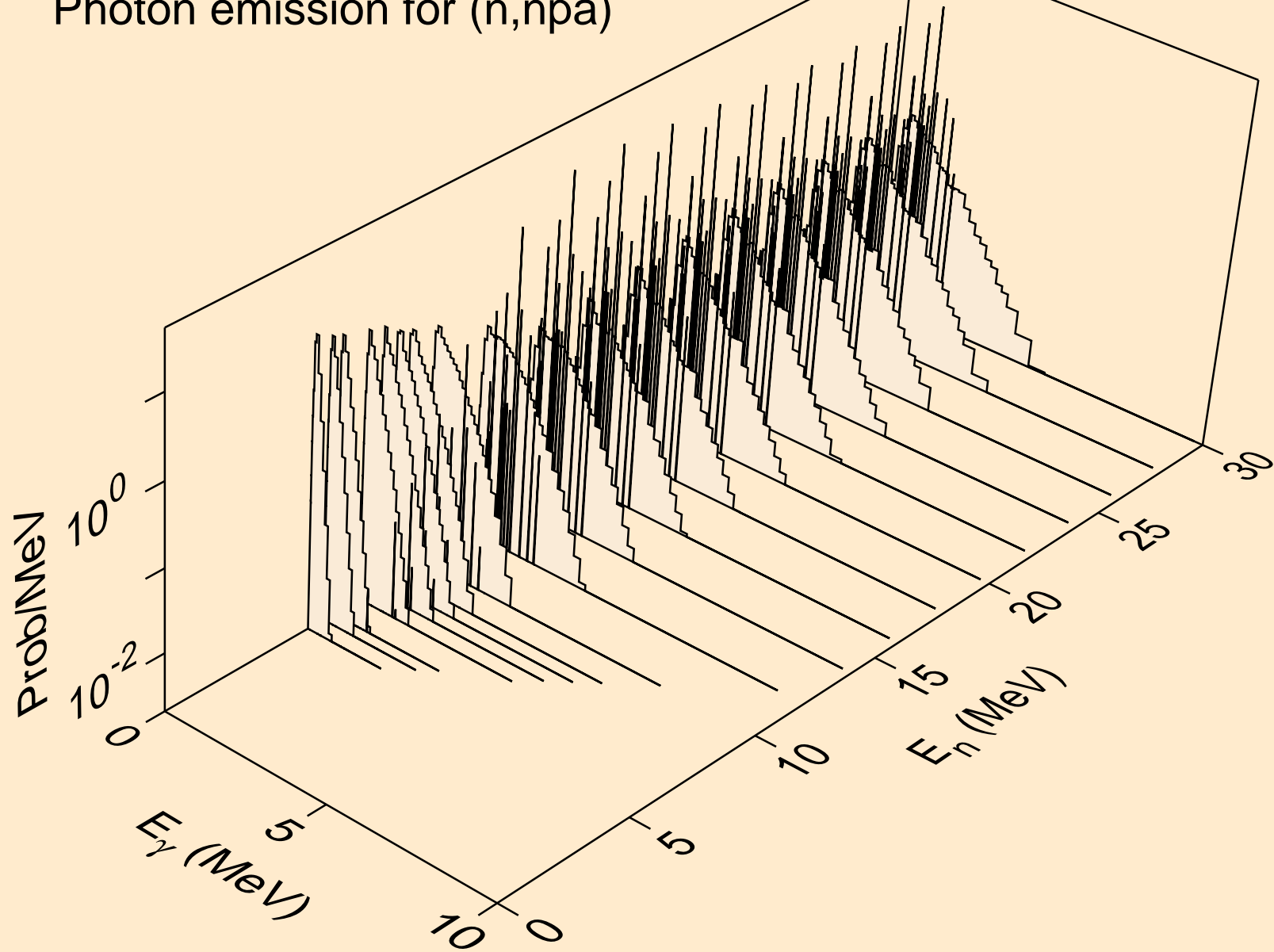
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

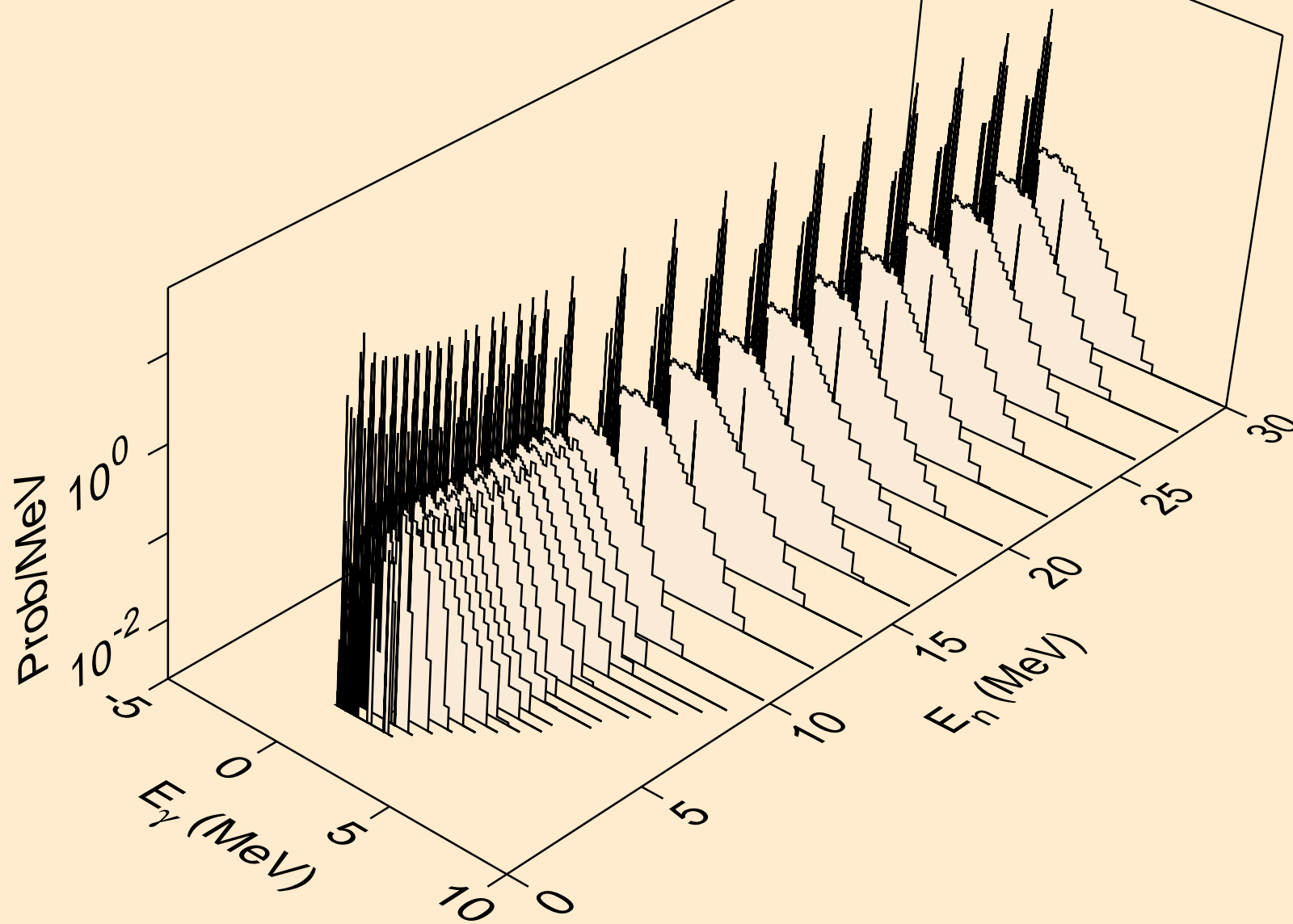


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Photon emission for (n,npa)

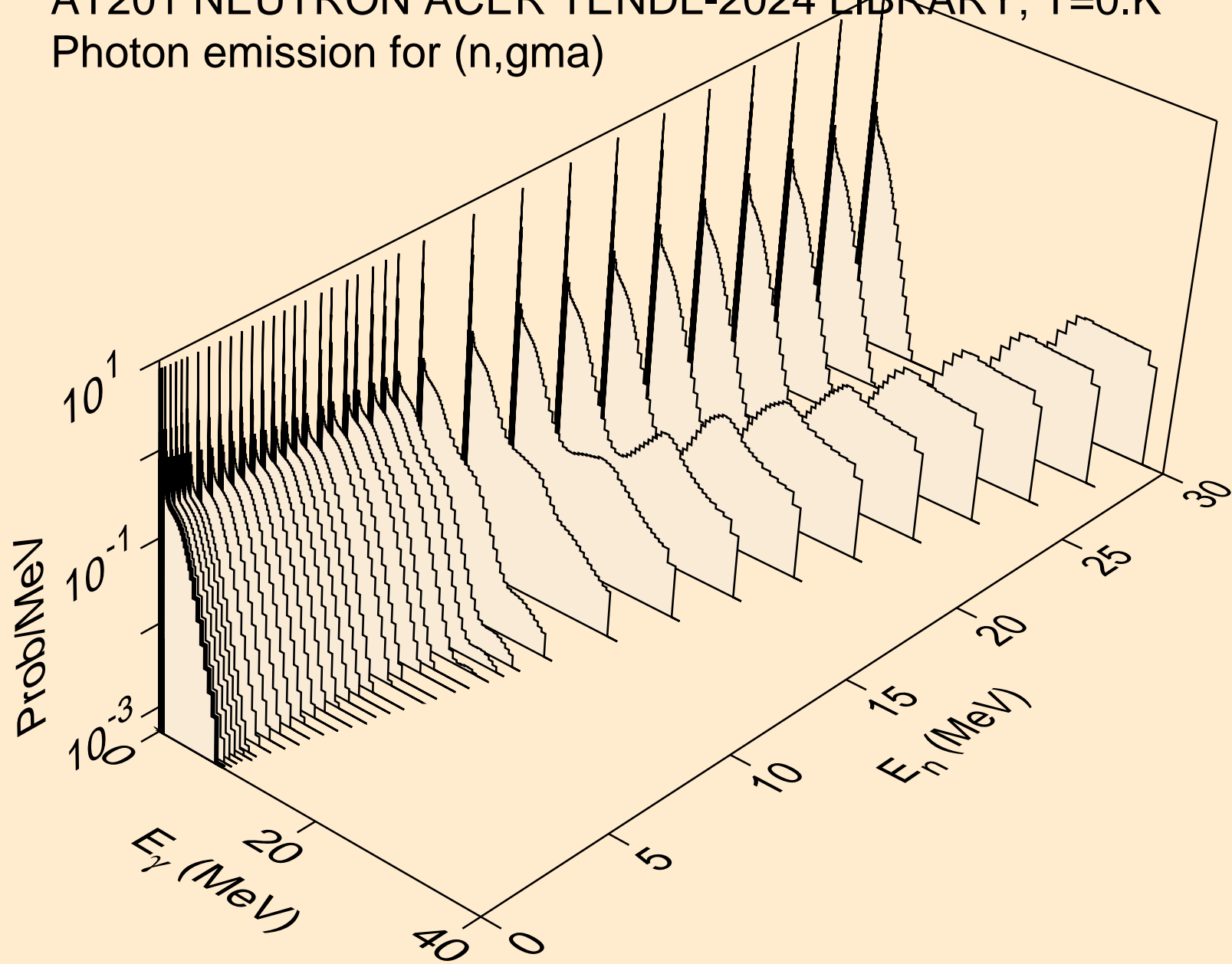




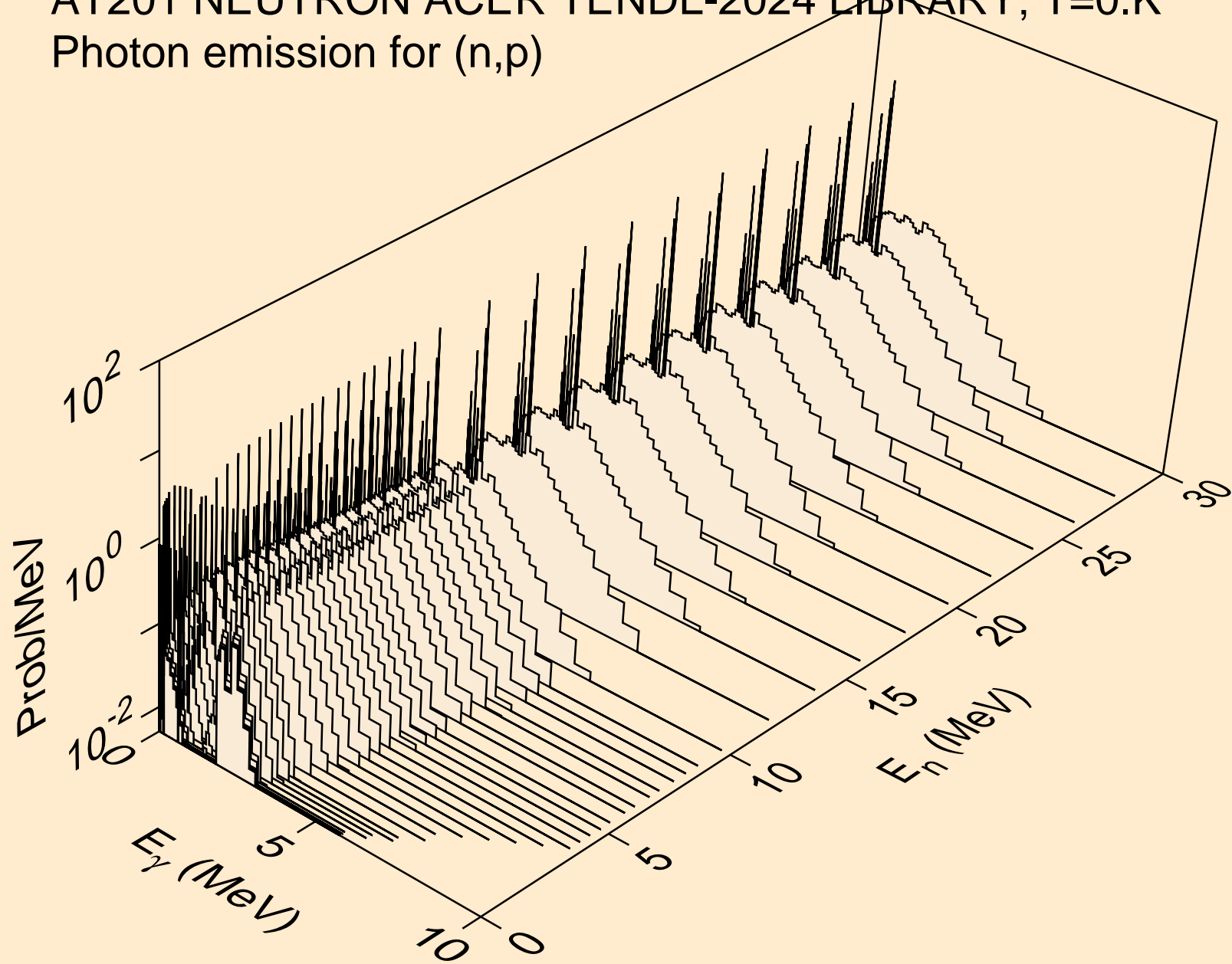
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Photon emission for (n,n\*c)



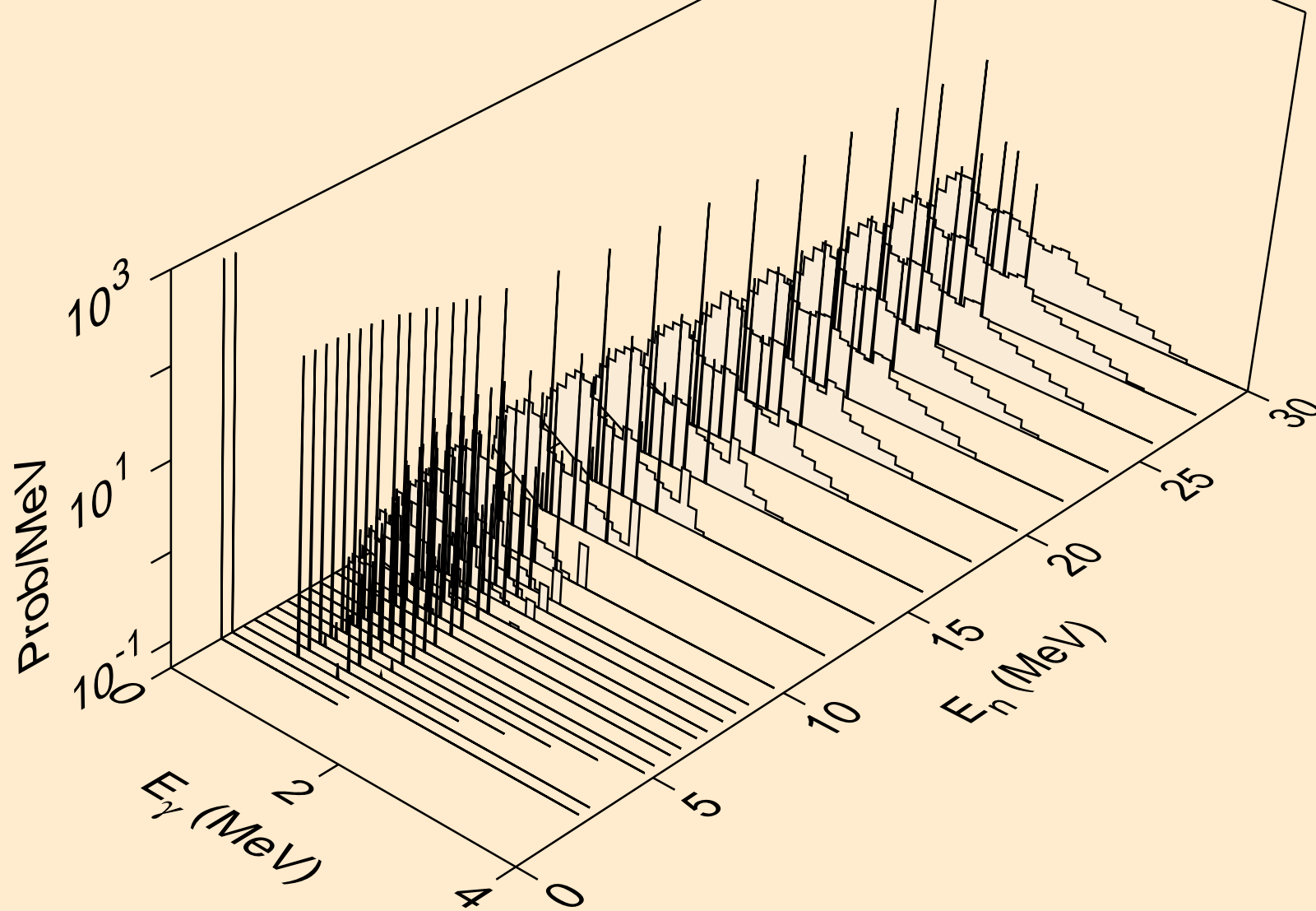
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Photon emission for (n,gma)



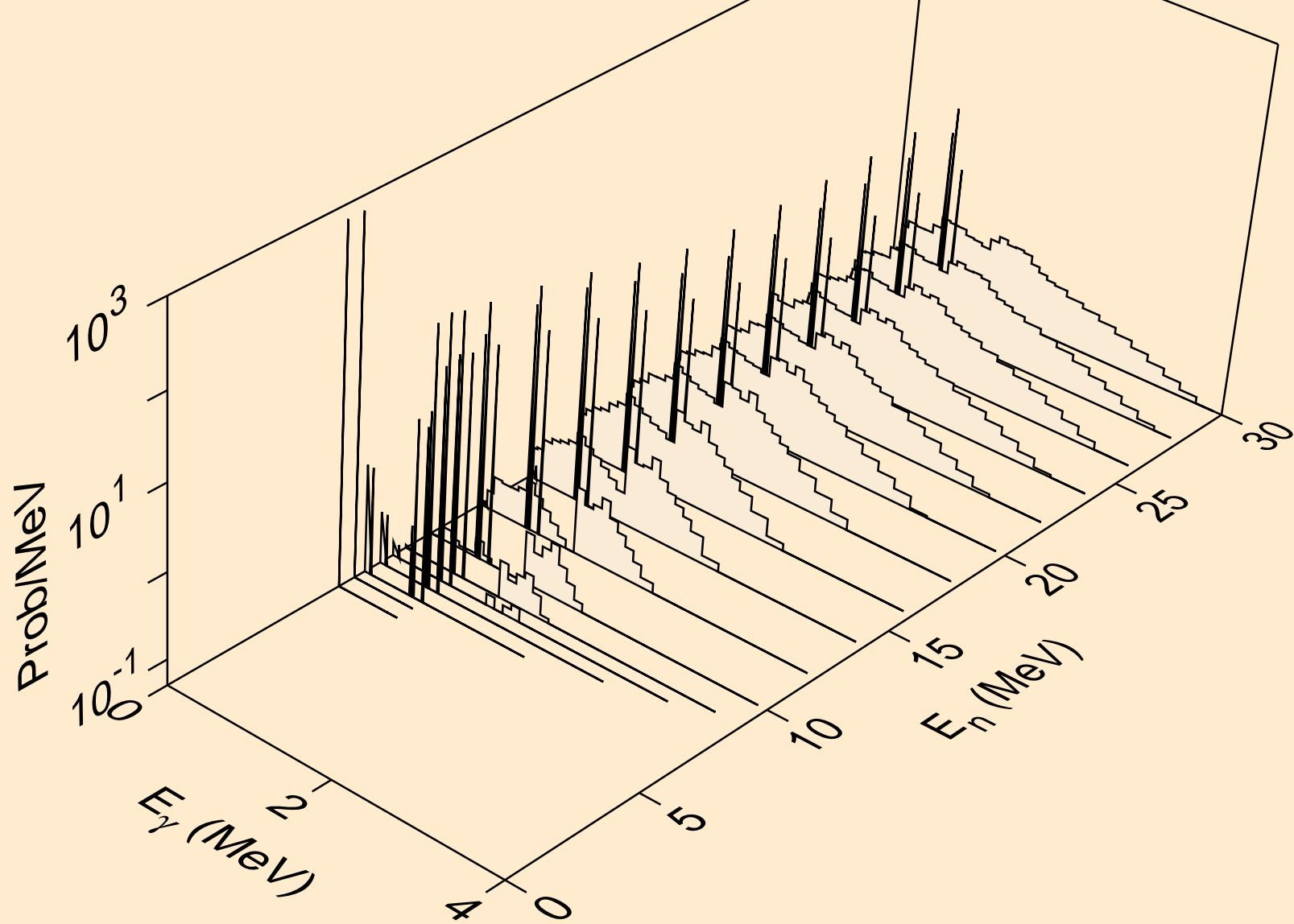
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Photon emission for (n,p)



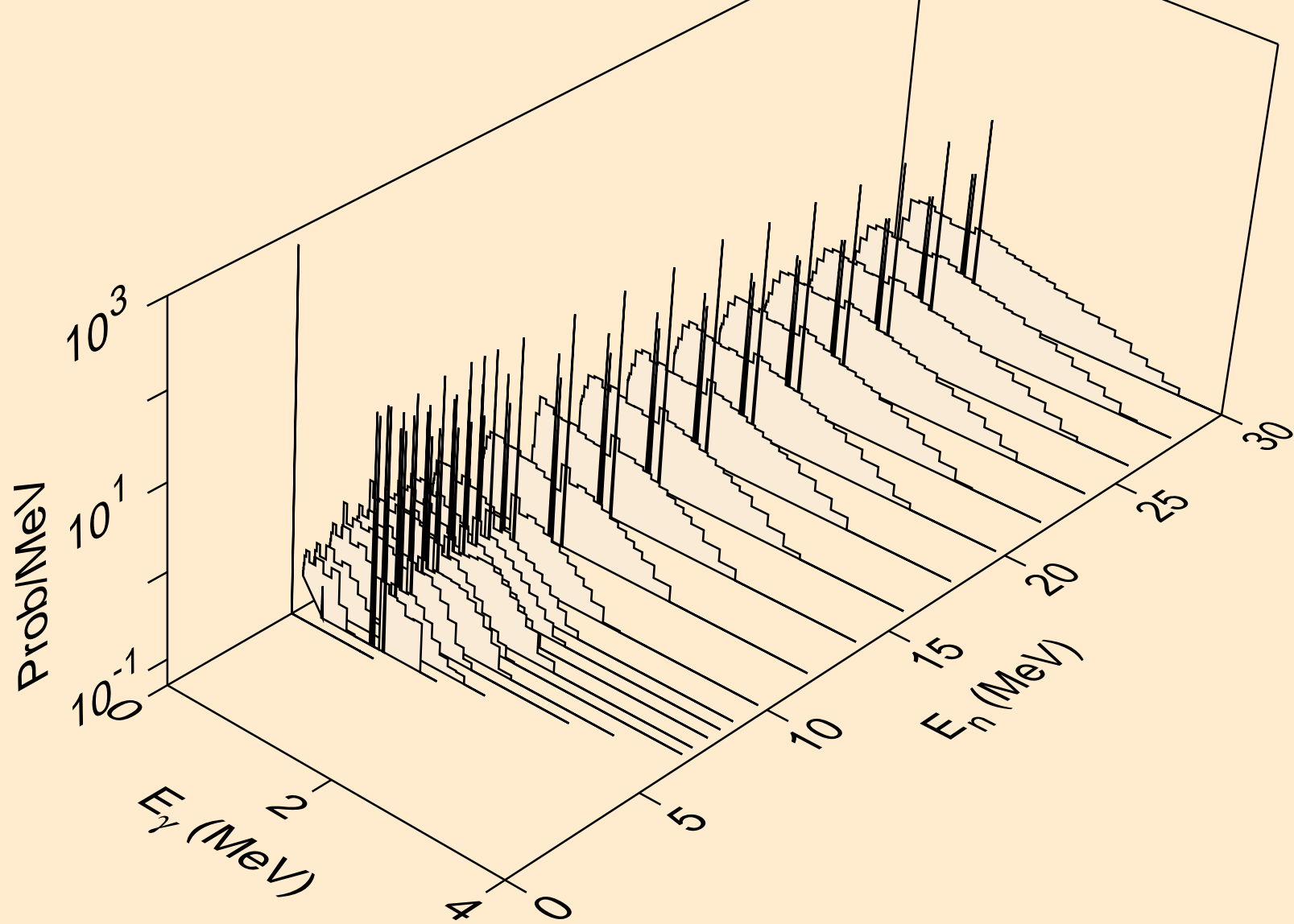
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Photon emission for (n,d)



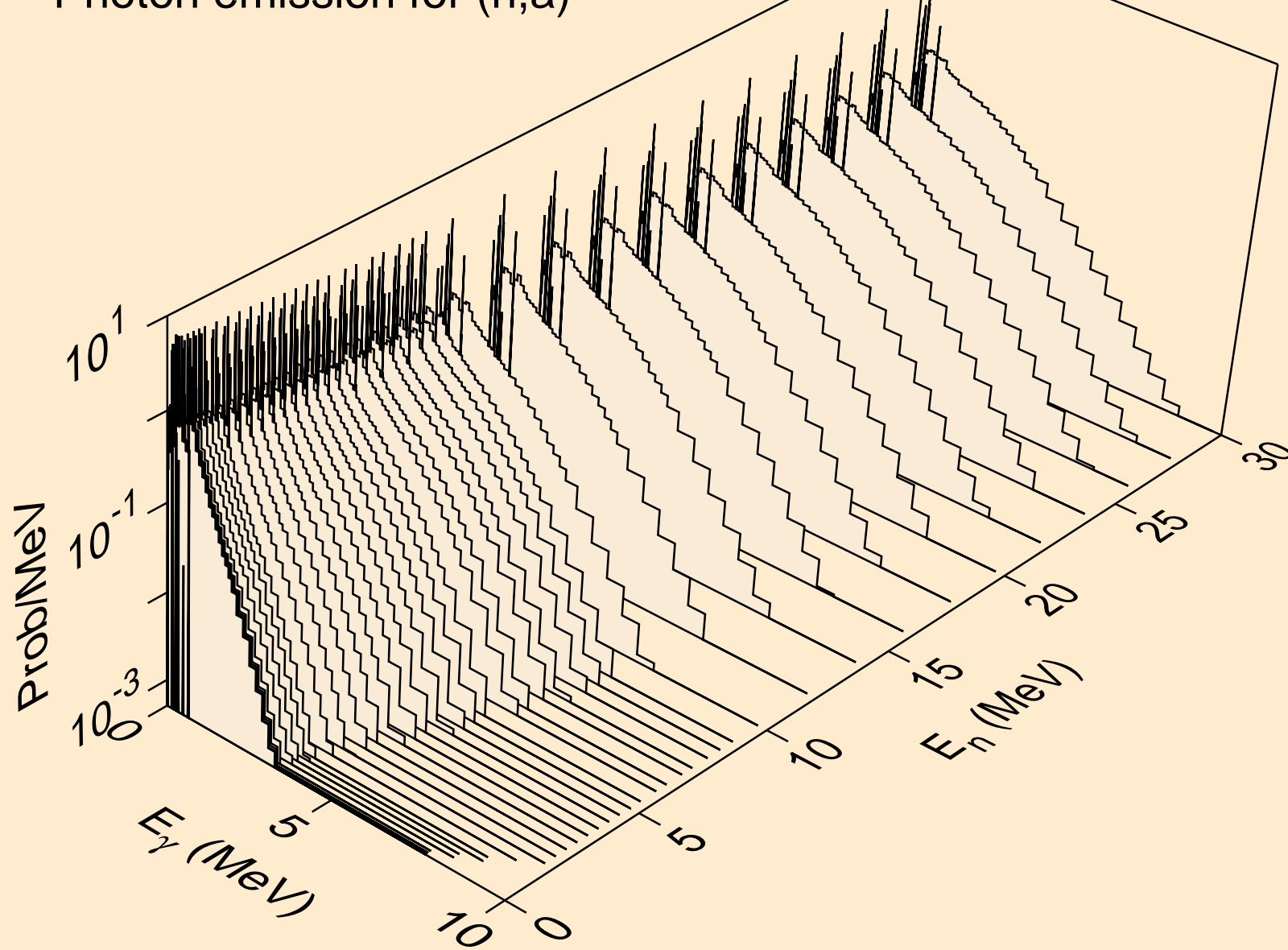
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Photon emission for (n,t)



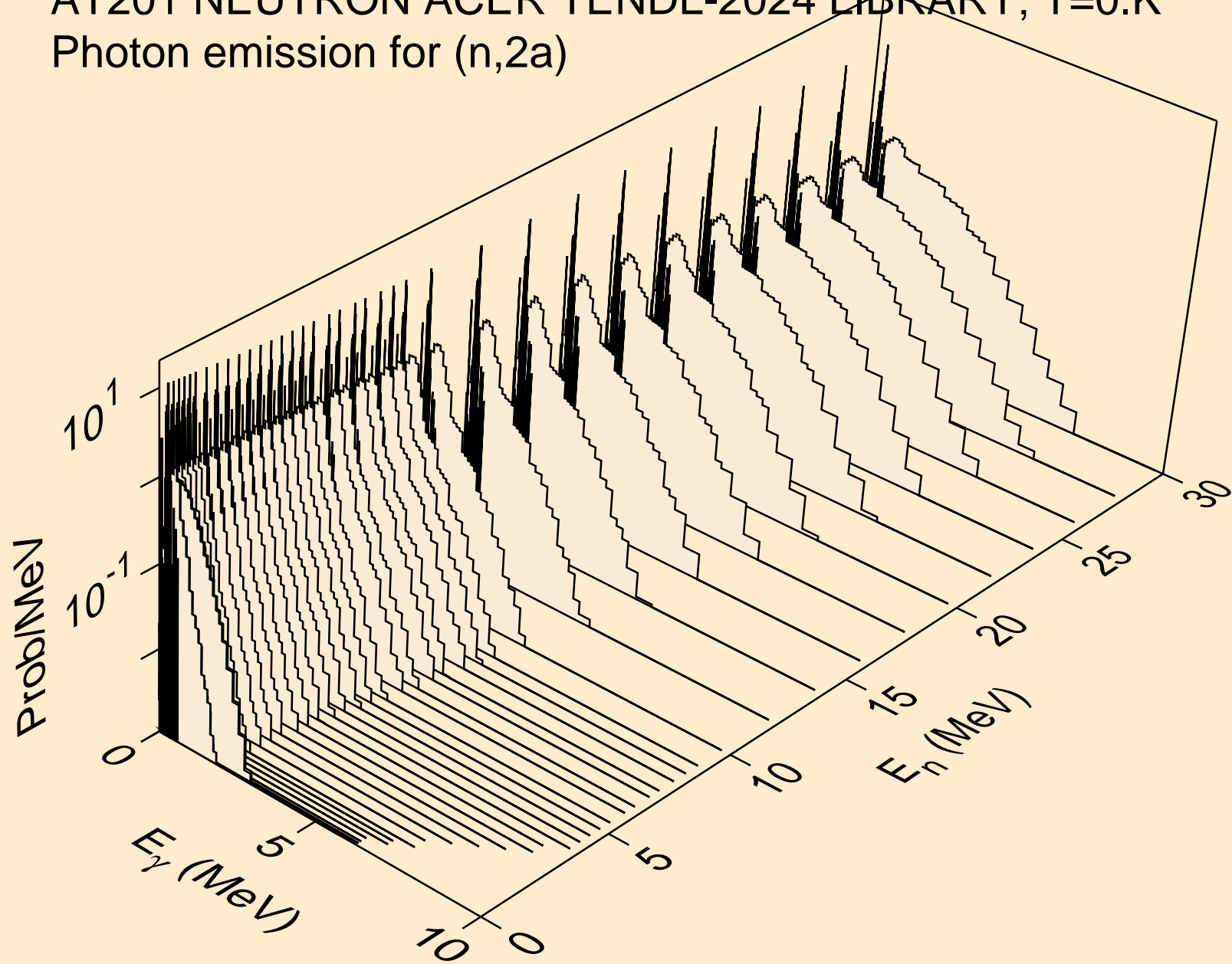
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

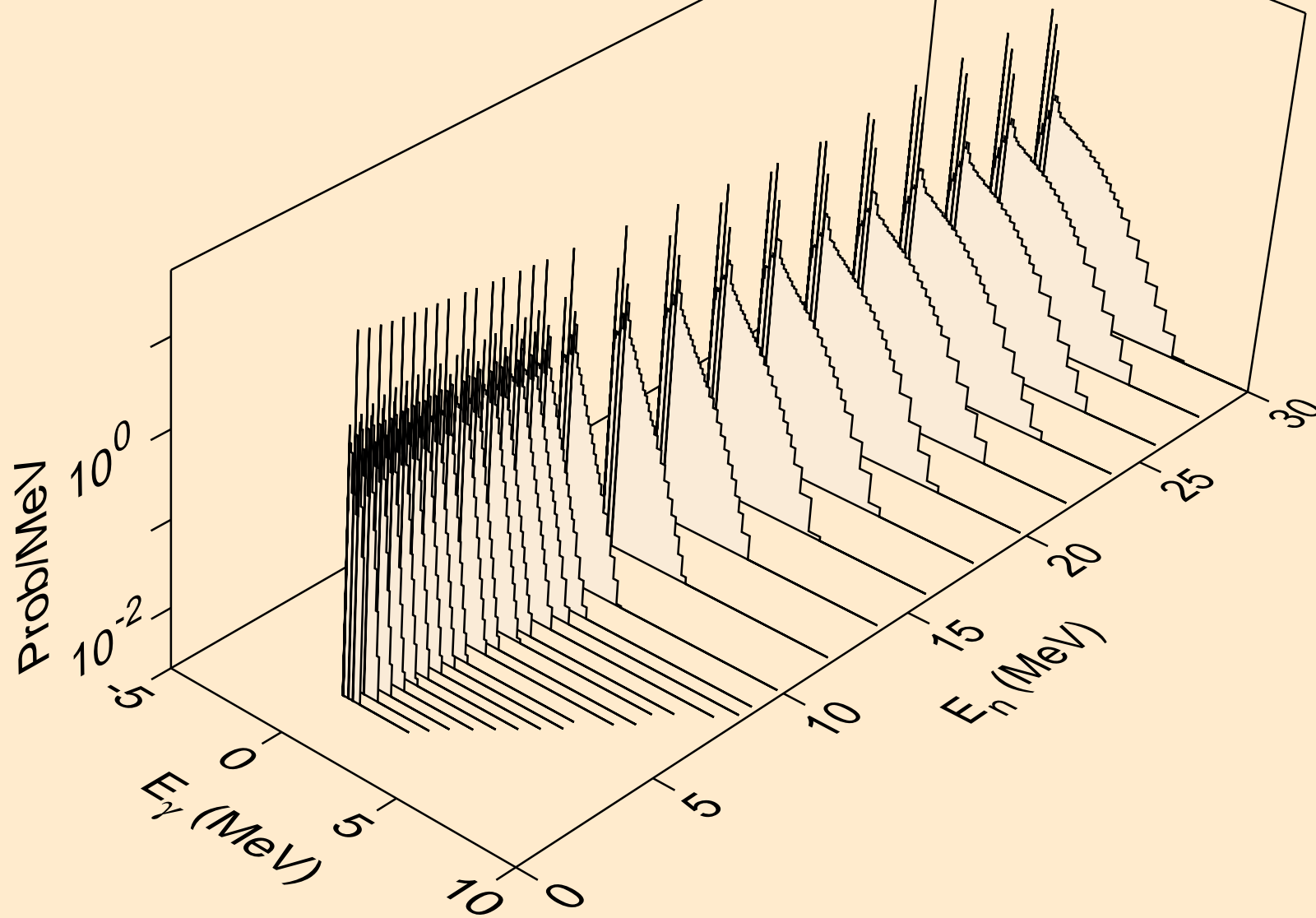


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

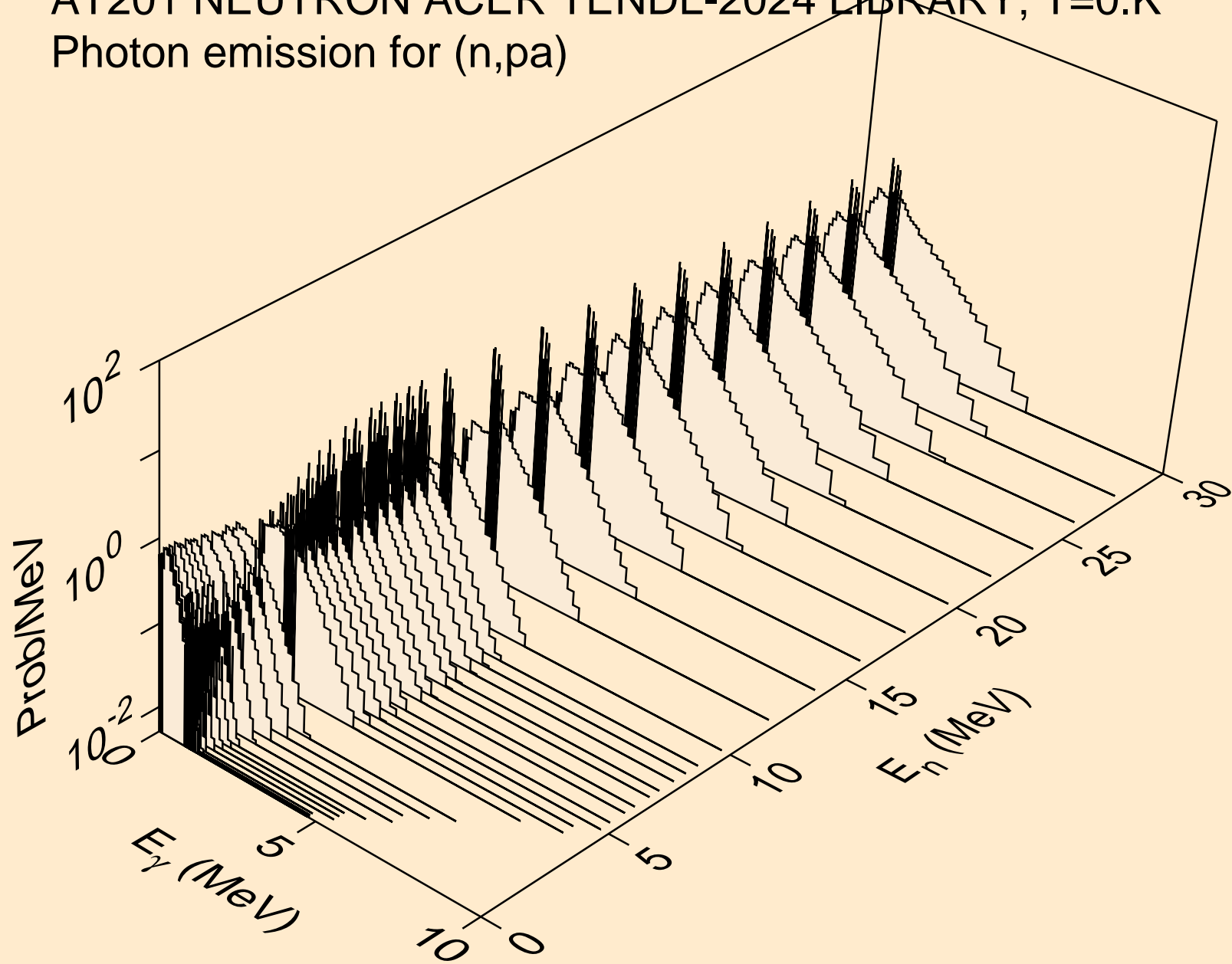




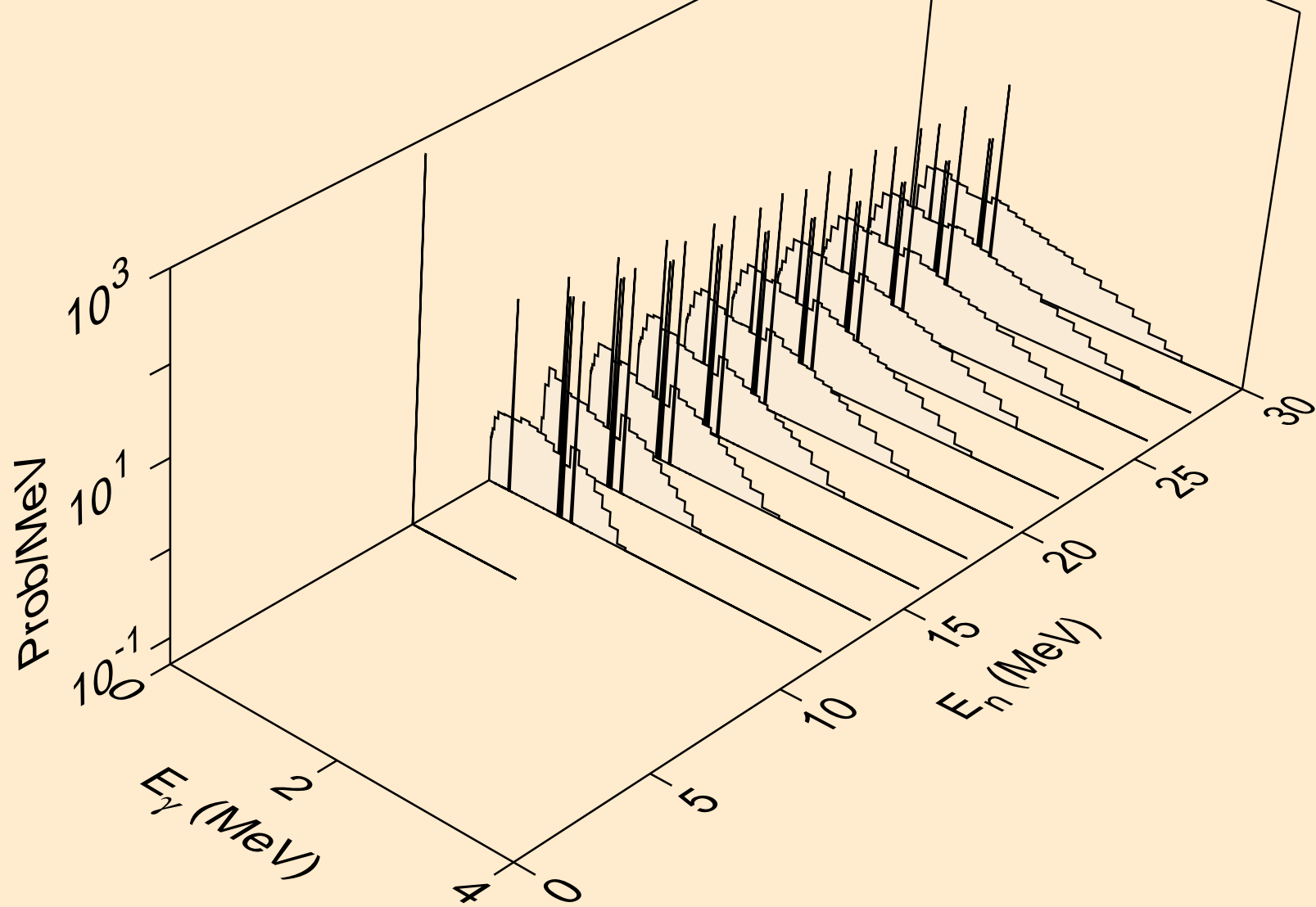
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Photon emission for (n,2p)



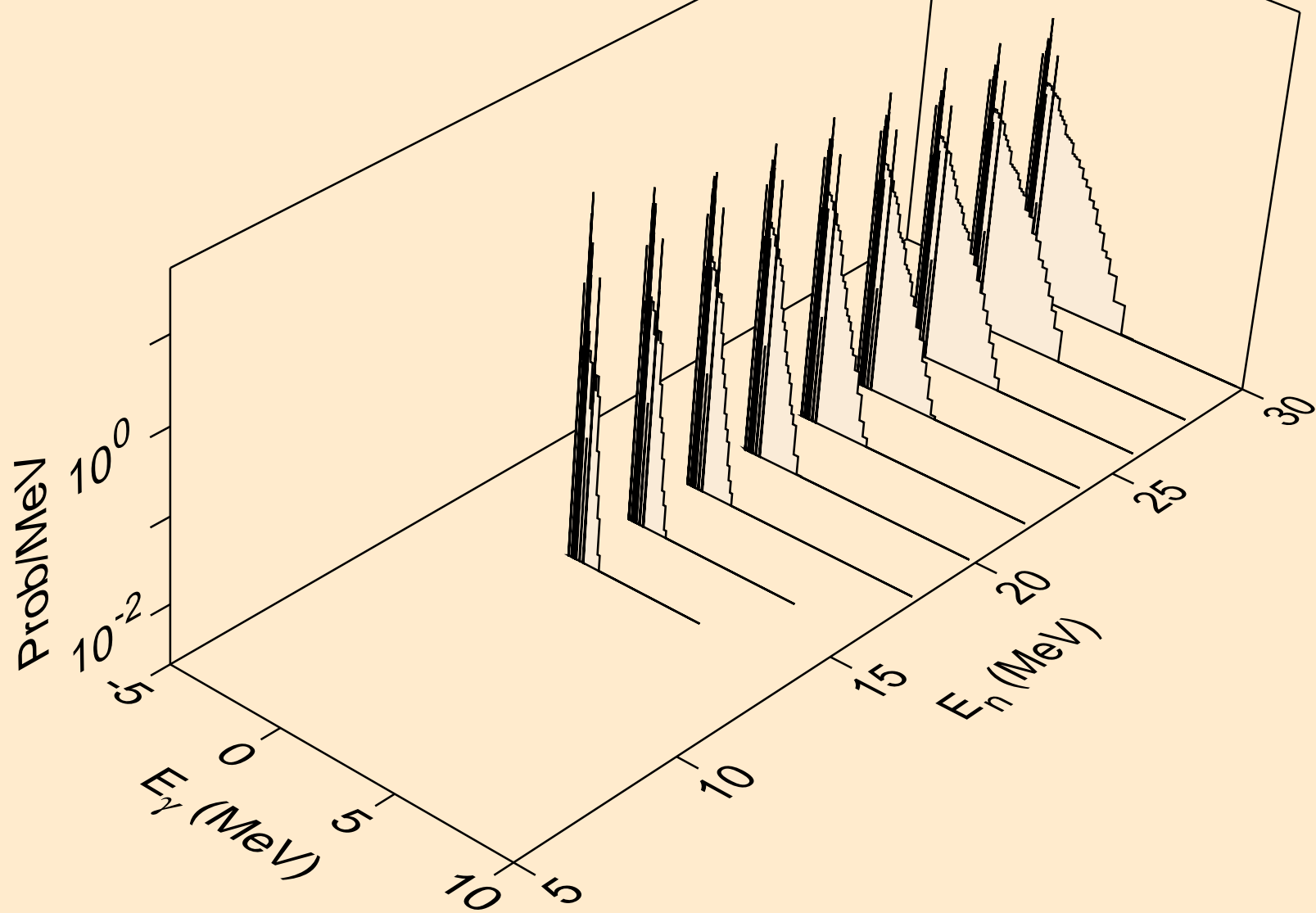
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Photon emission for (n,p $\alpha$ )



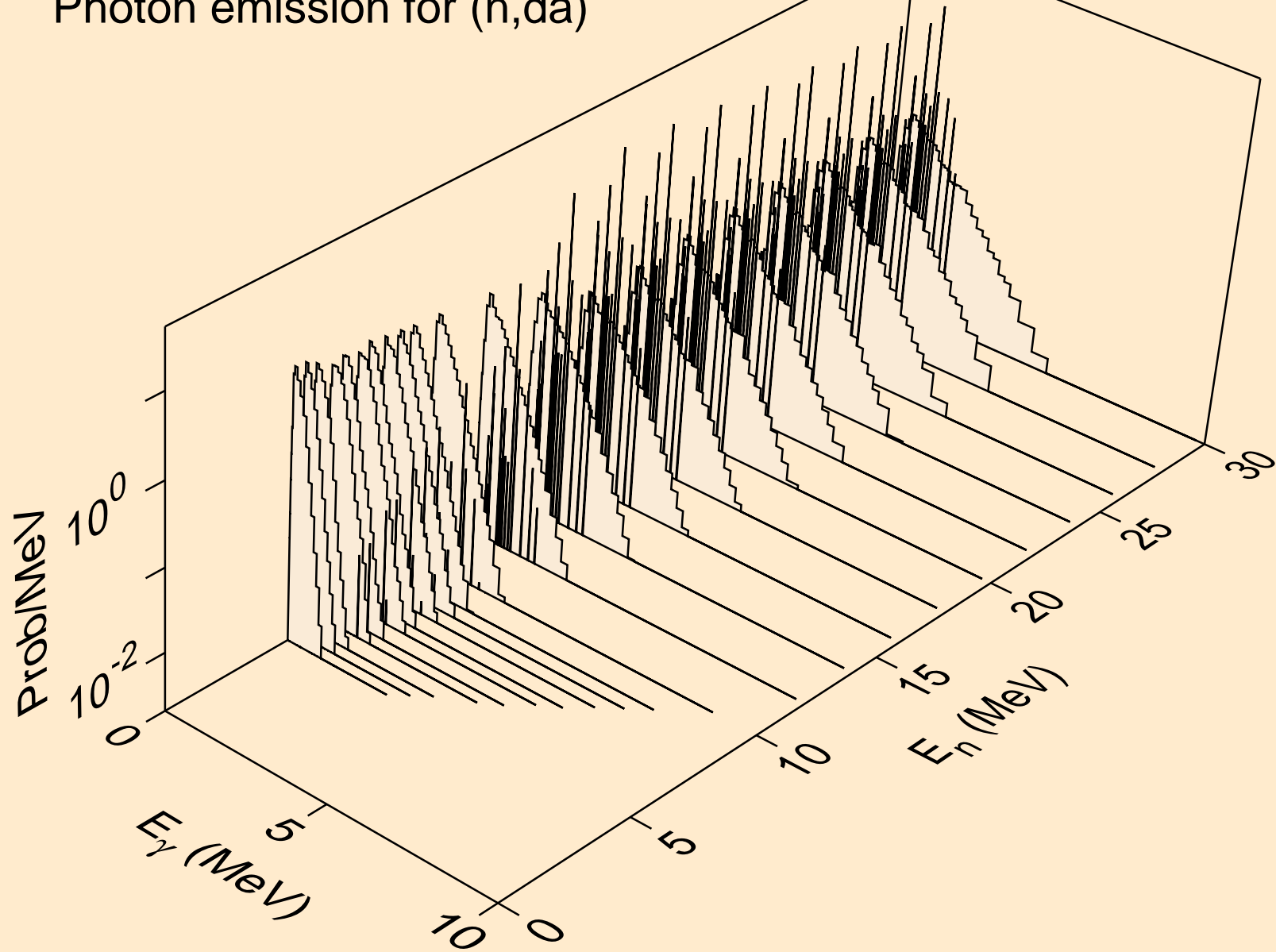
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



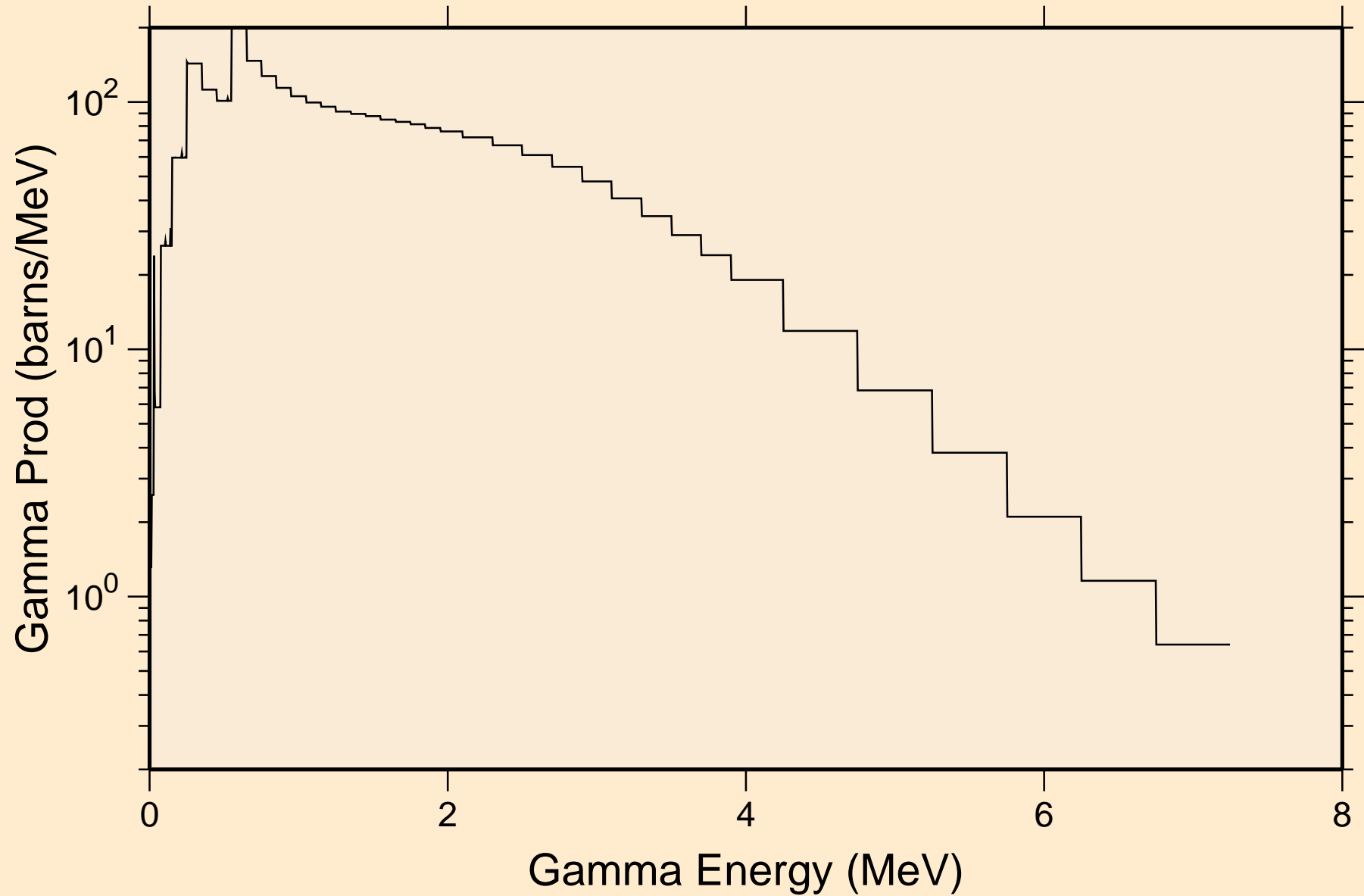
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



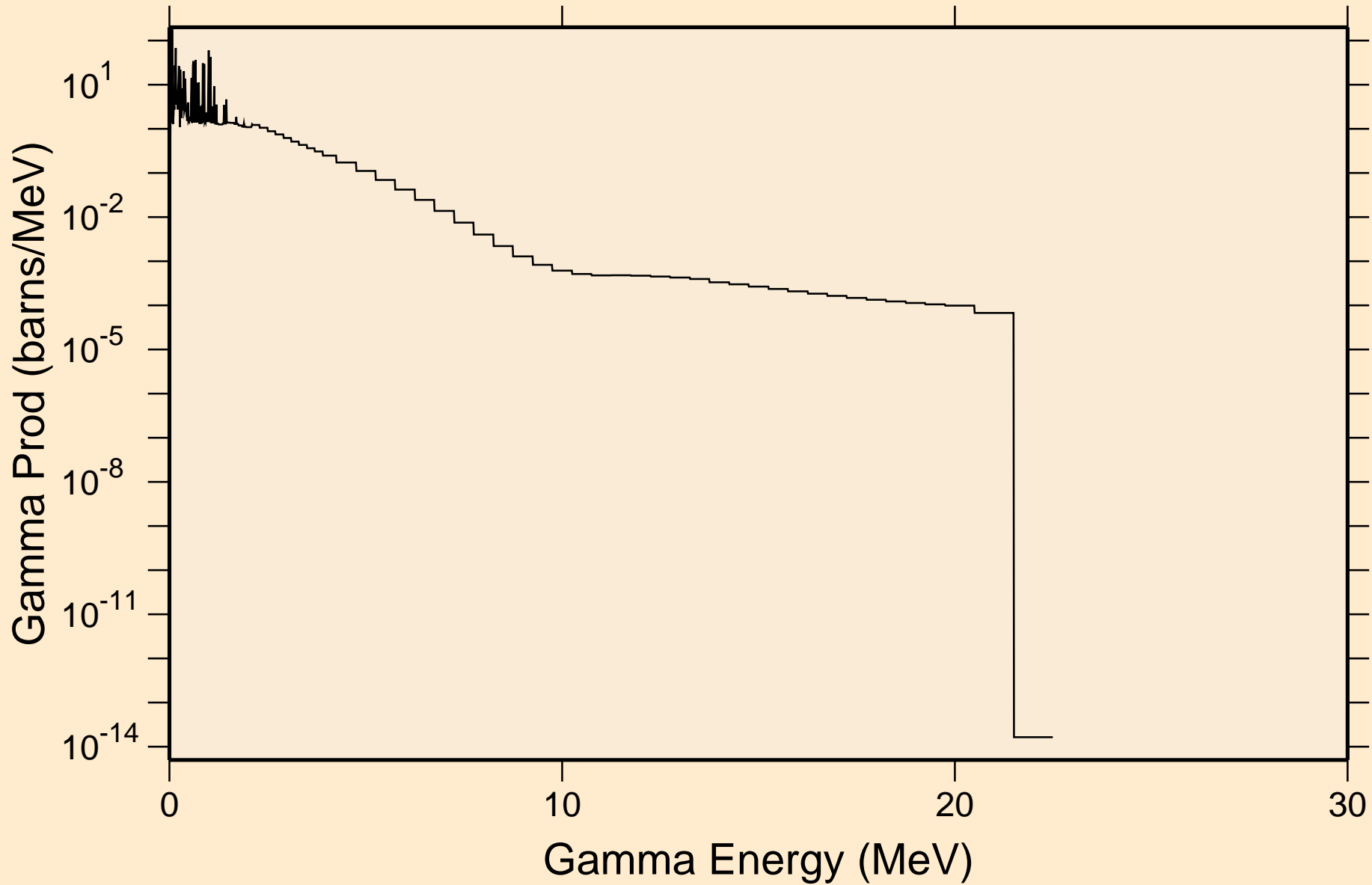
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

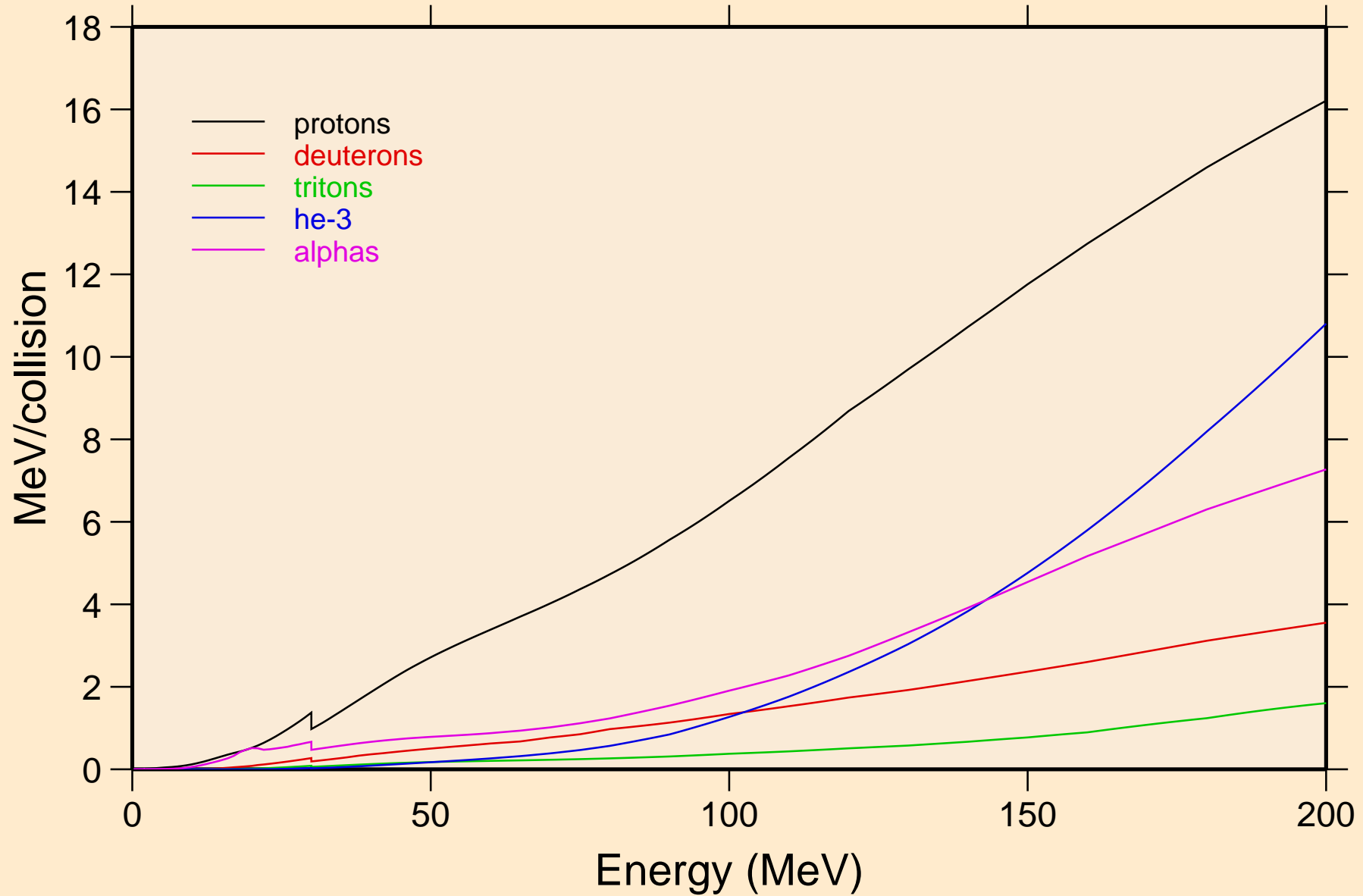


AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



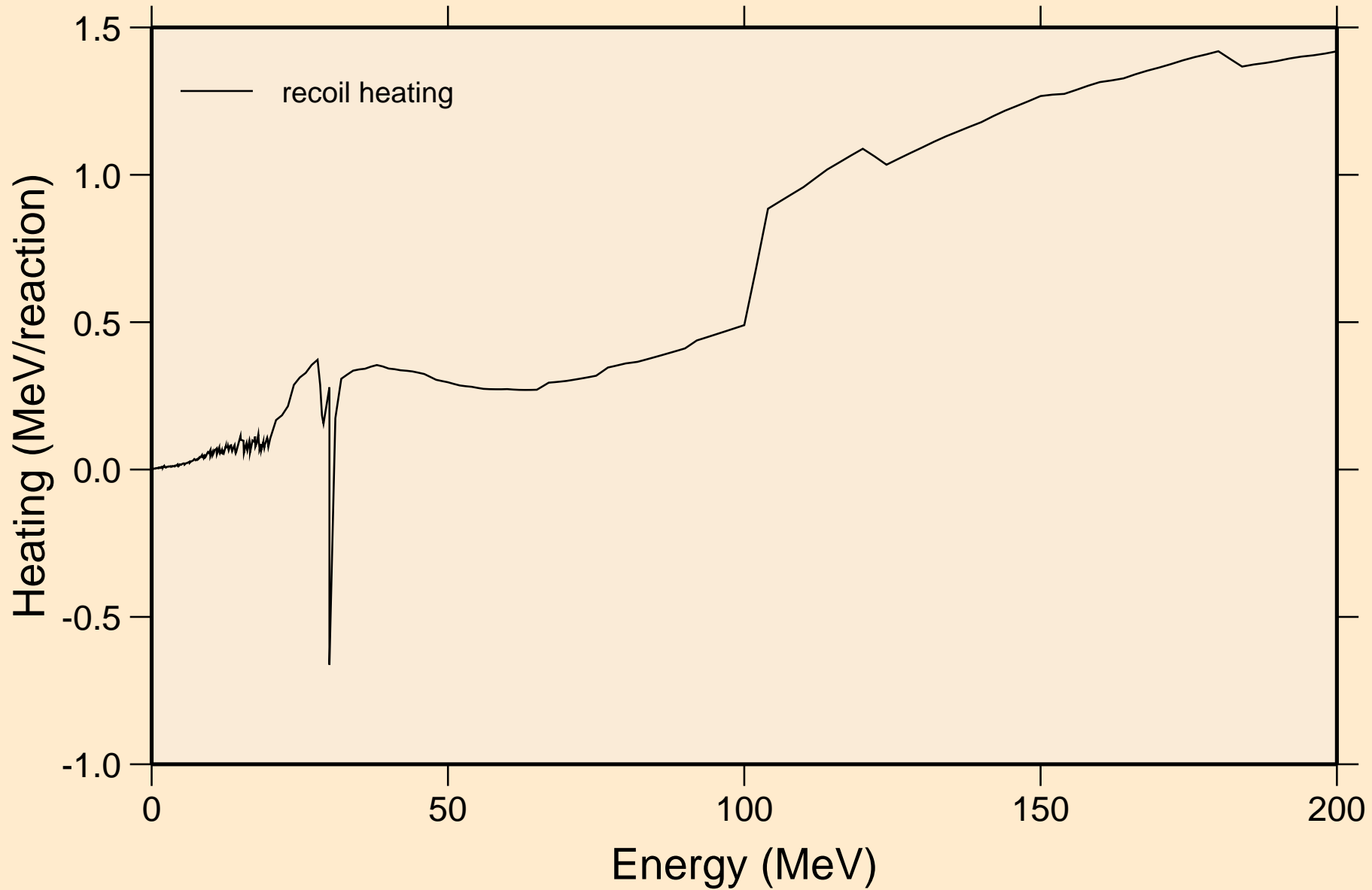
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## Particle heating contributions

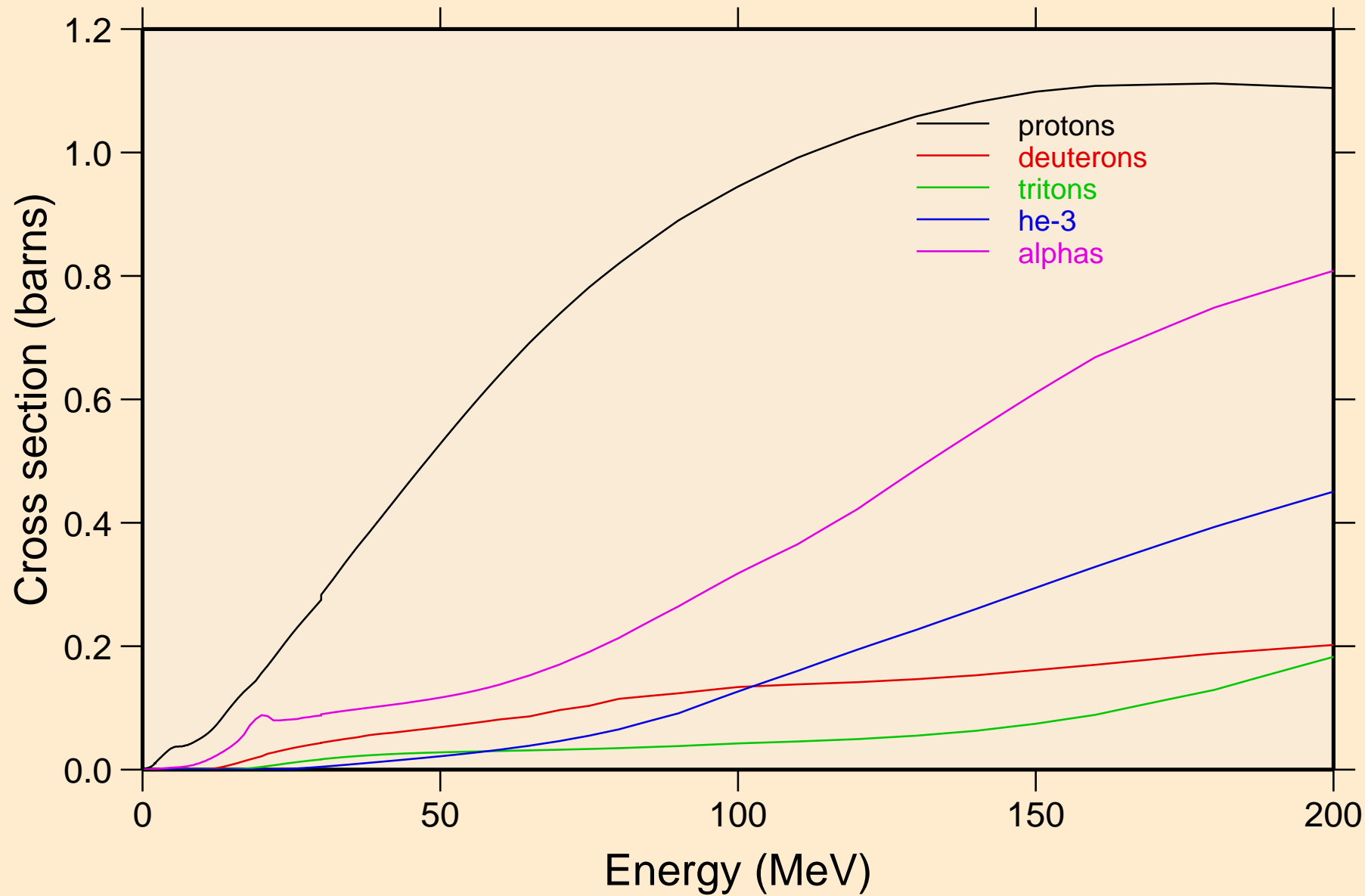




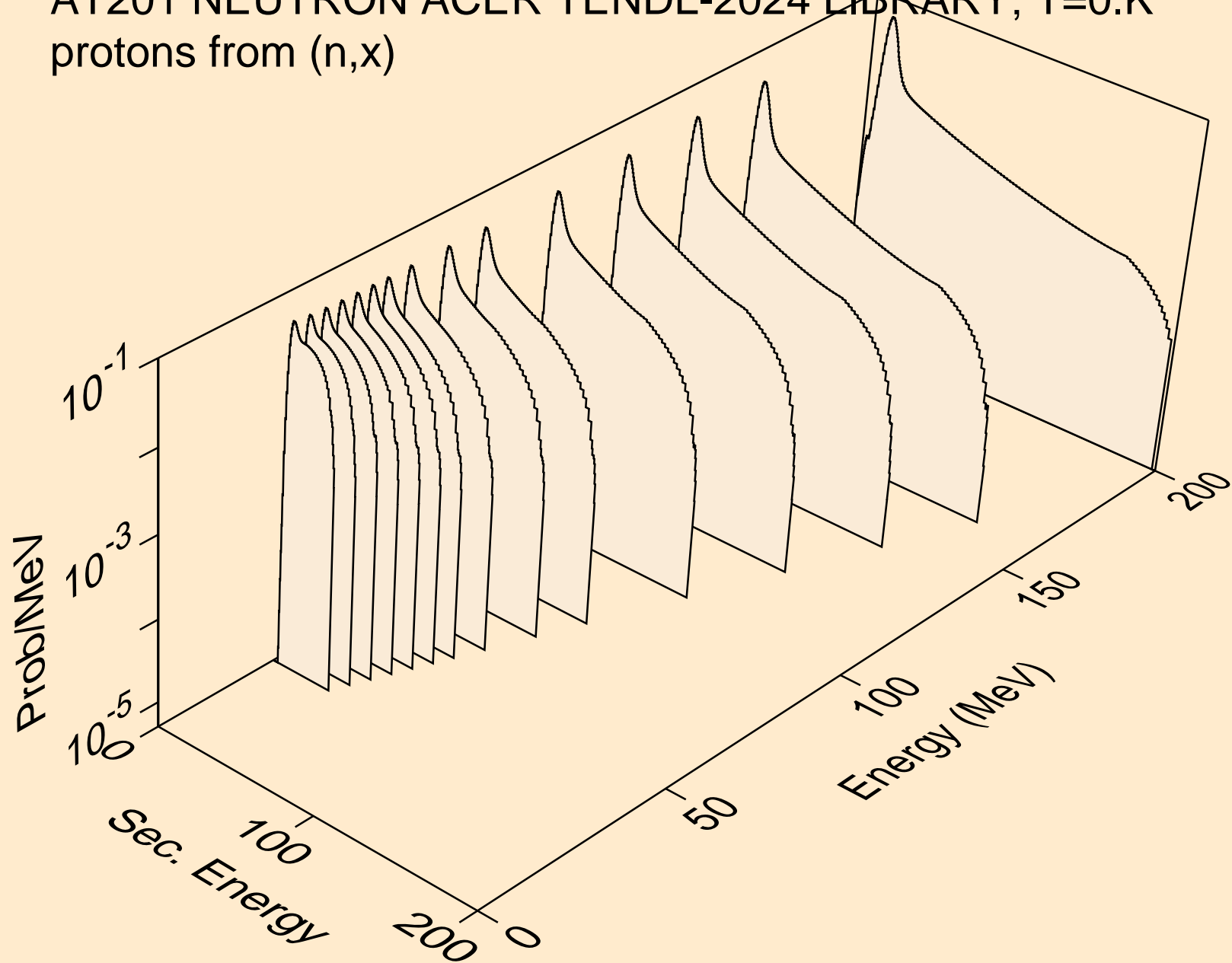
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Recoil Heating



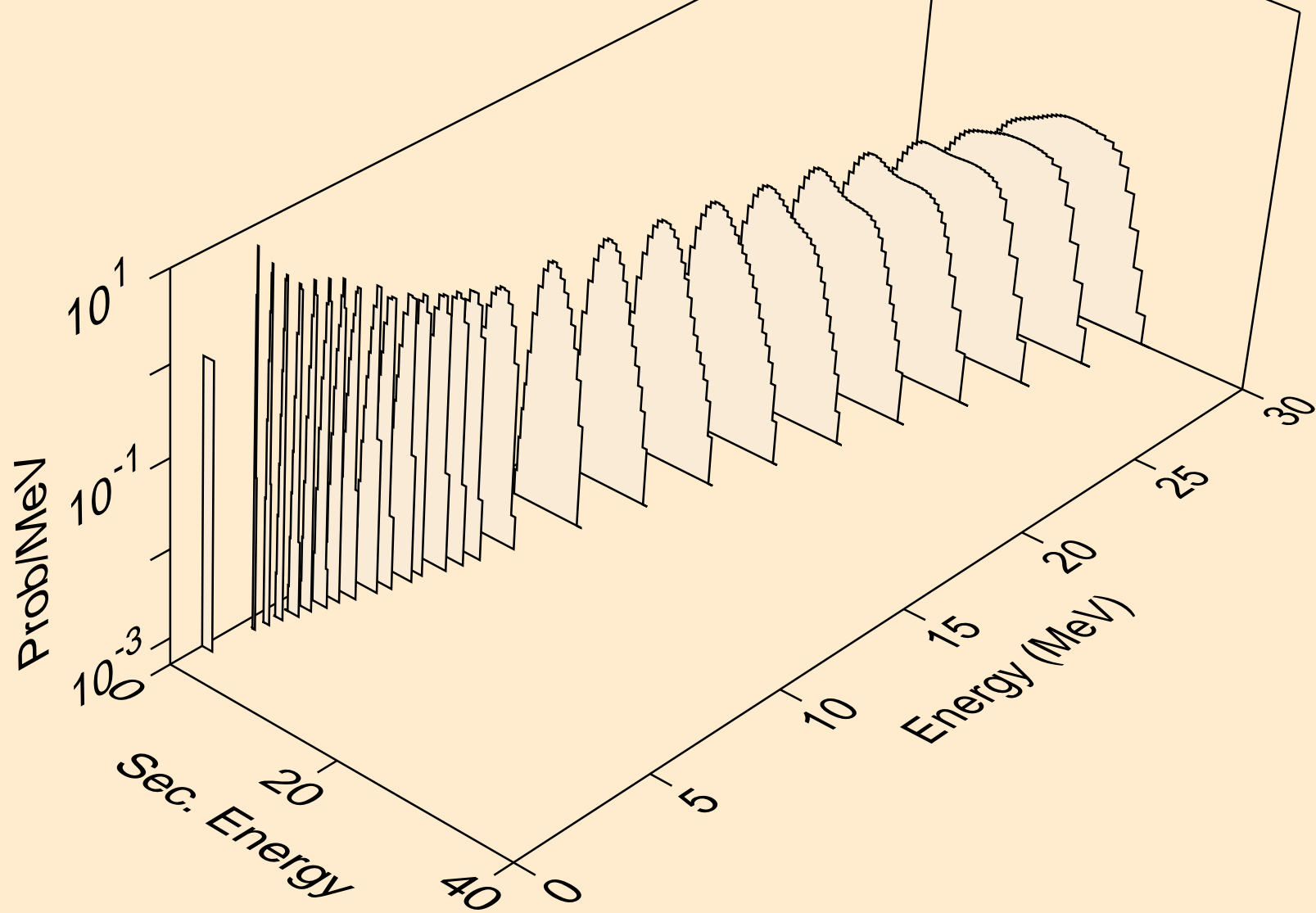
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Particle production cross sections



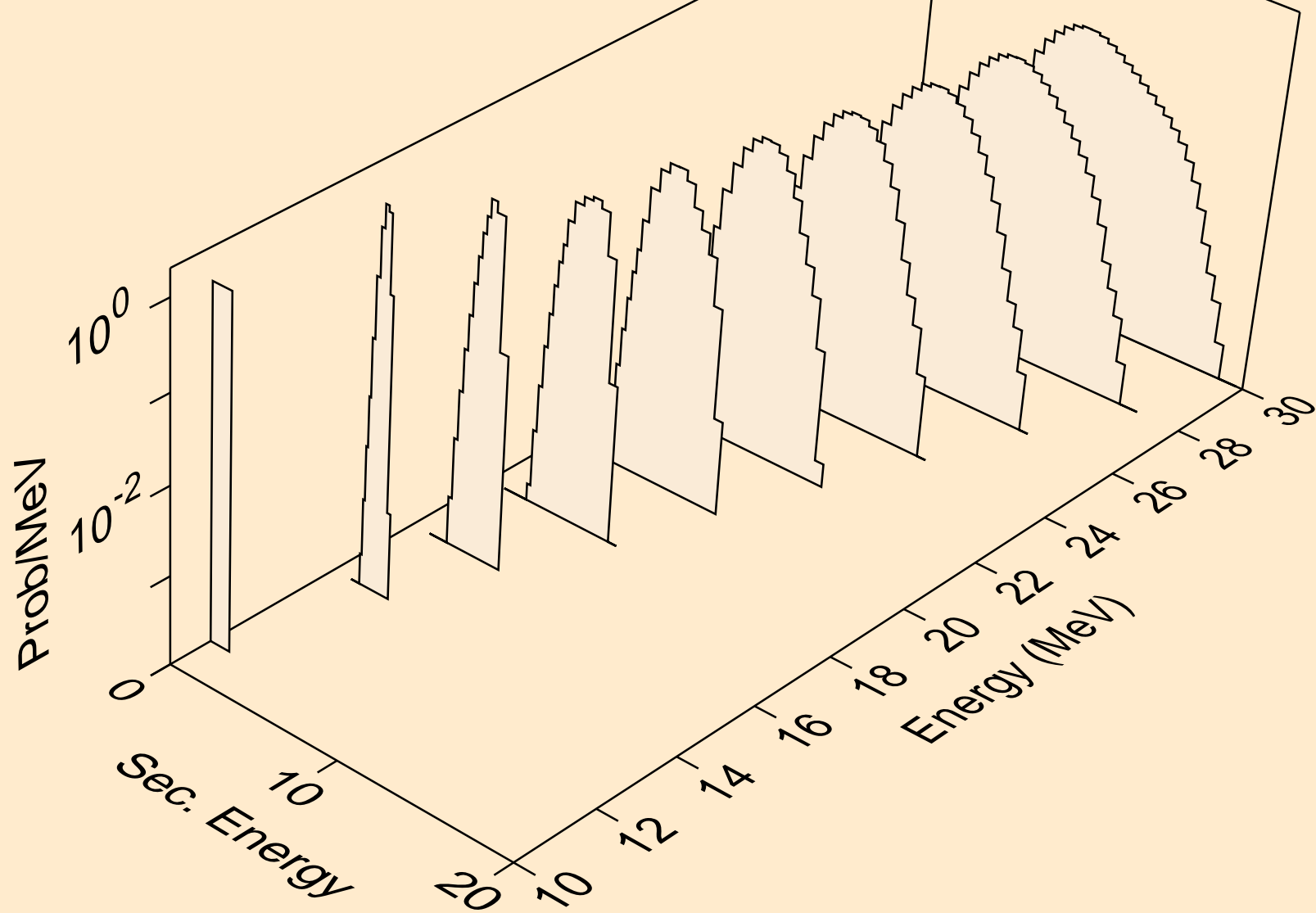
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protons from (n,x)



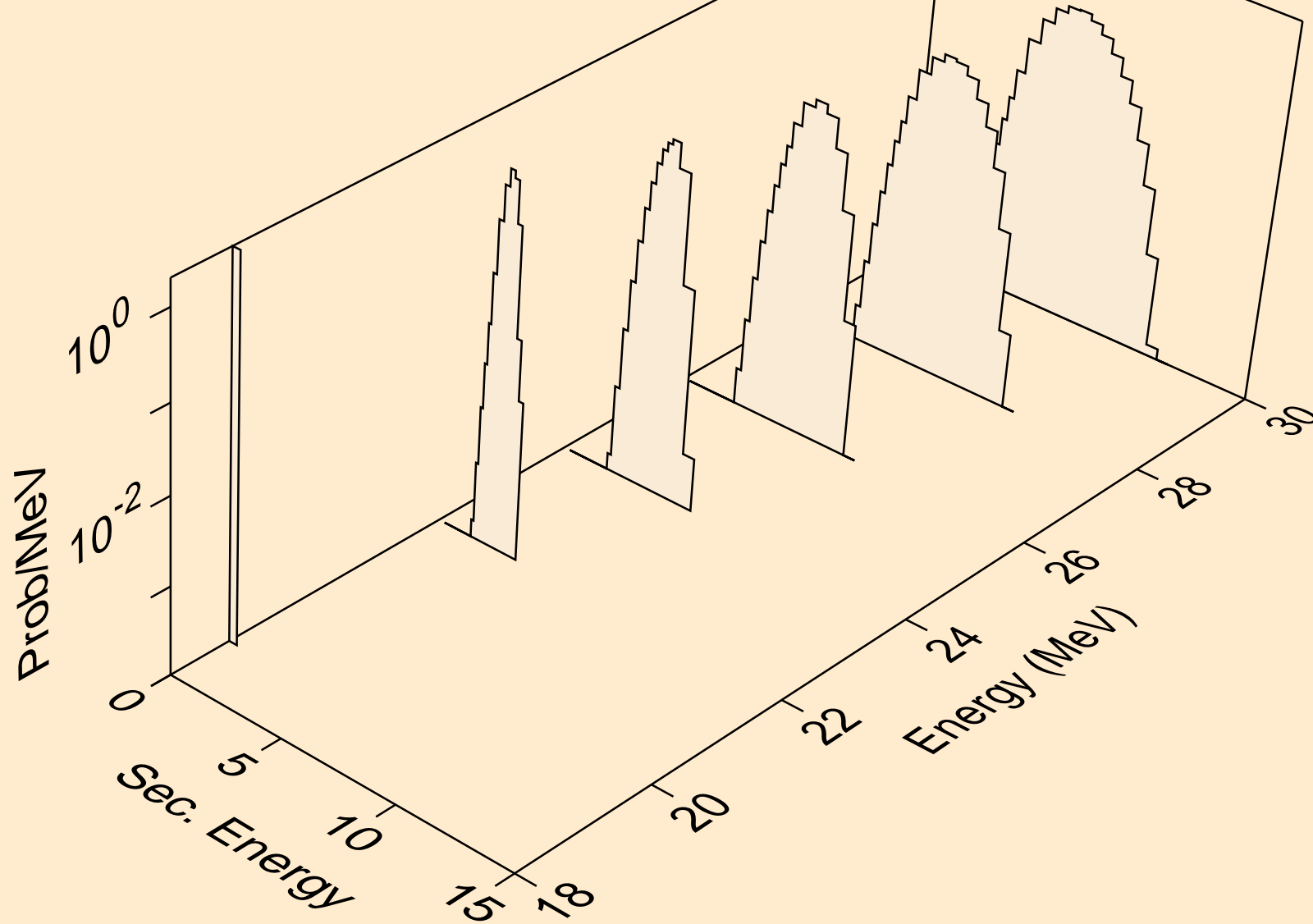
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protons from (n,n\*)p



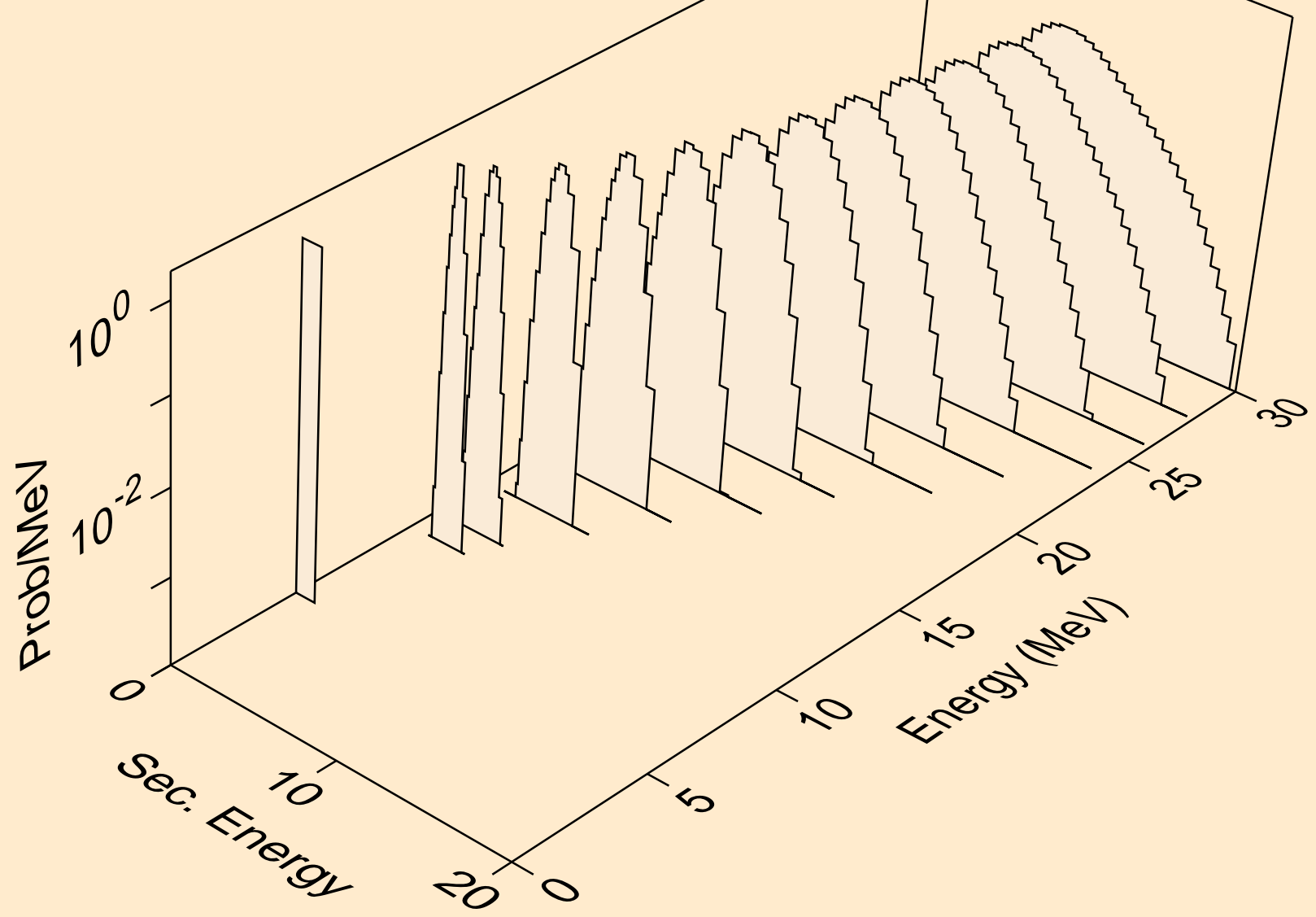
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protons from (n,2np)



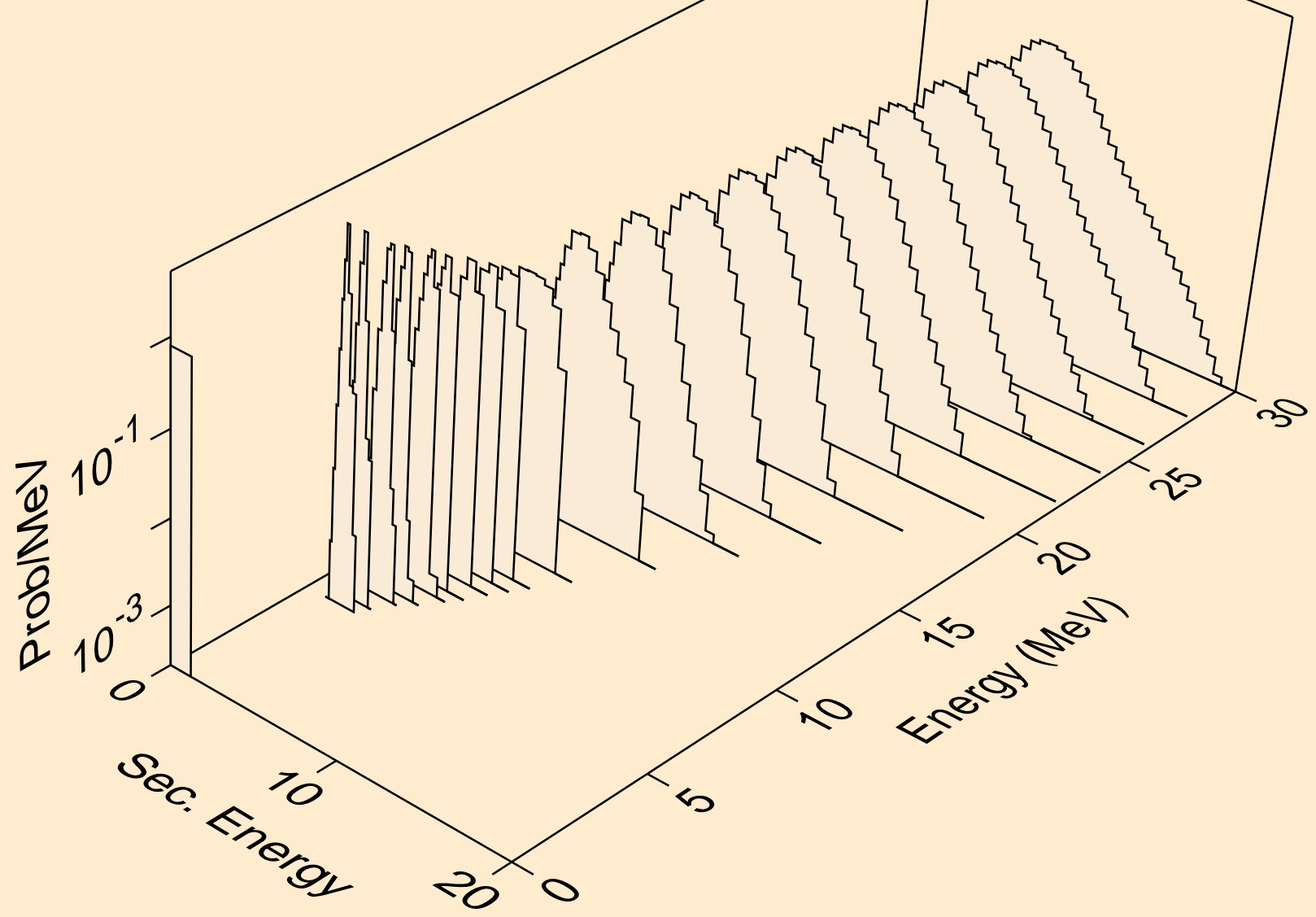
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

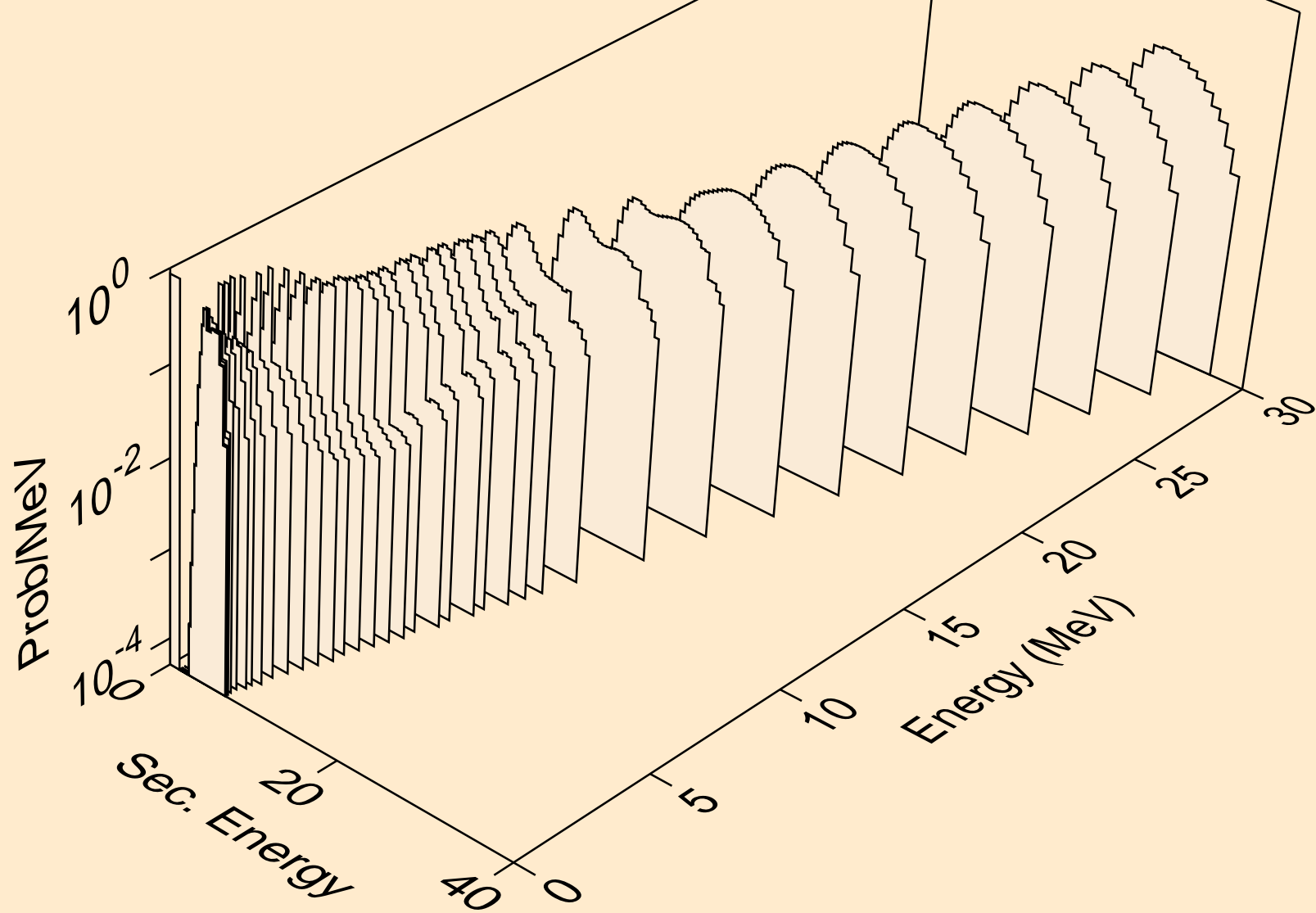


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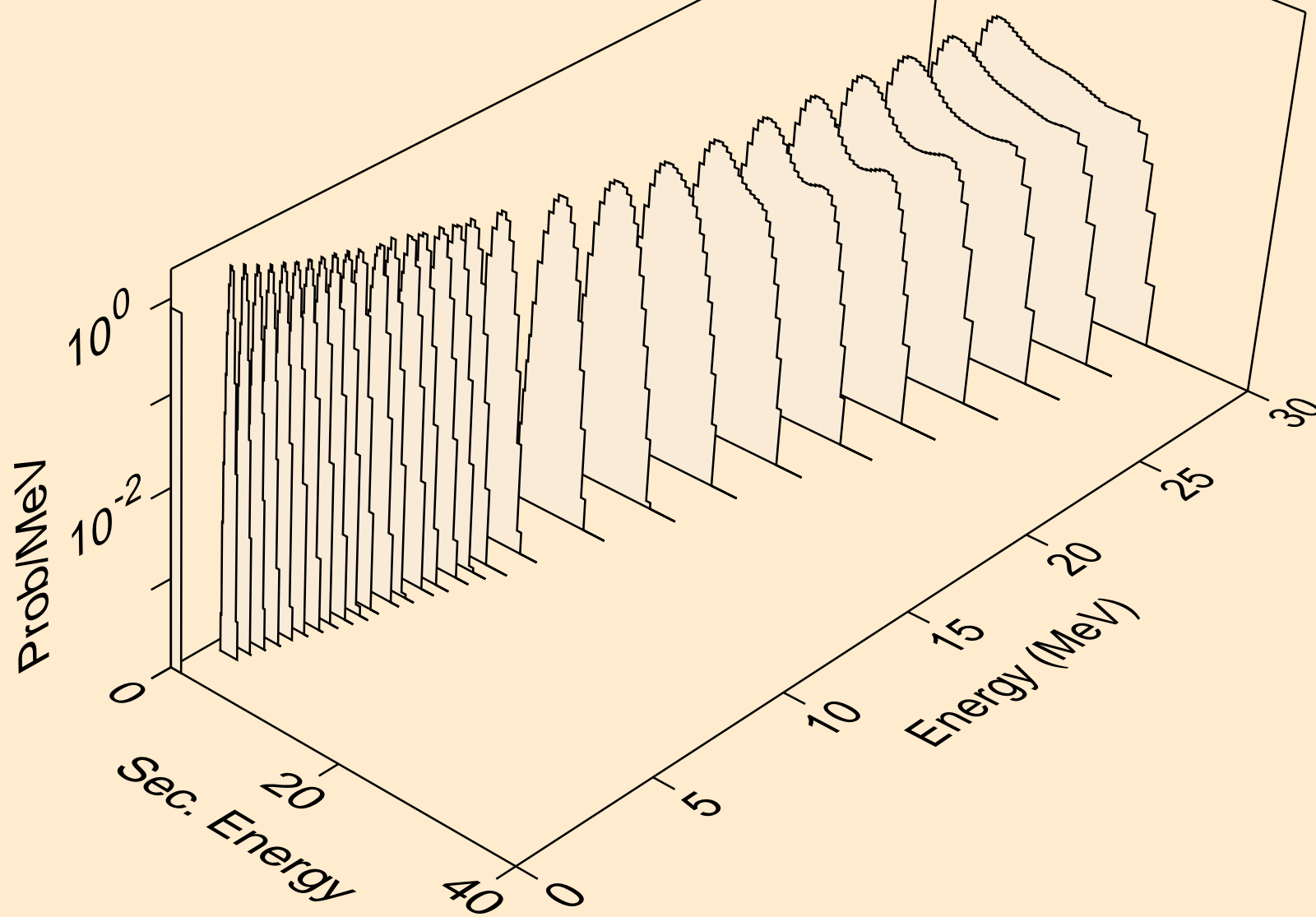




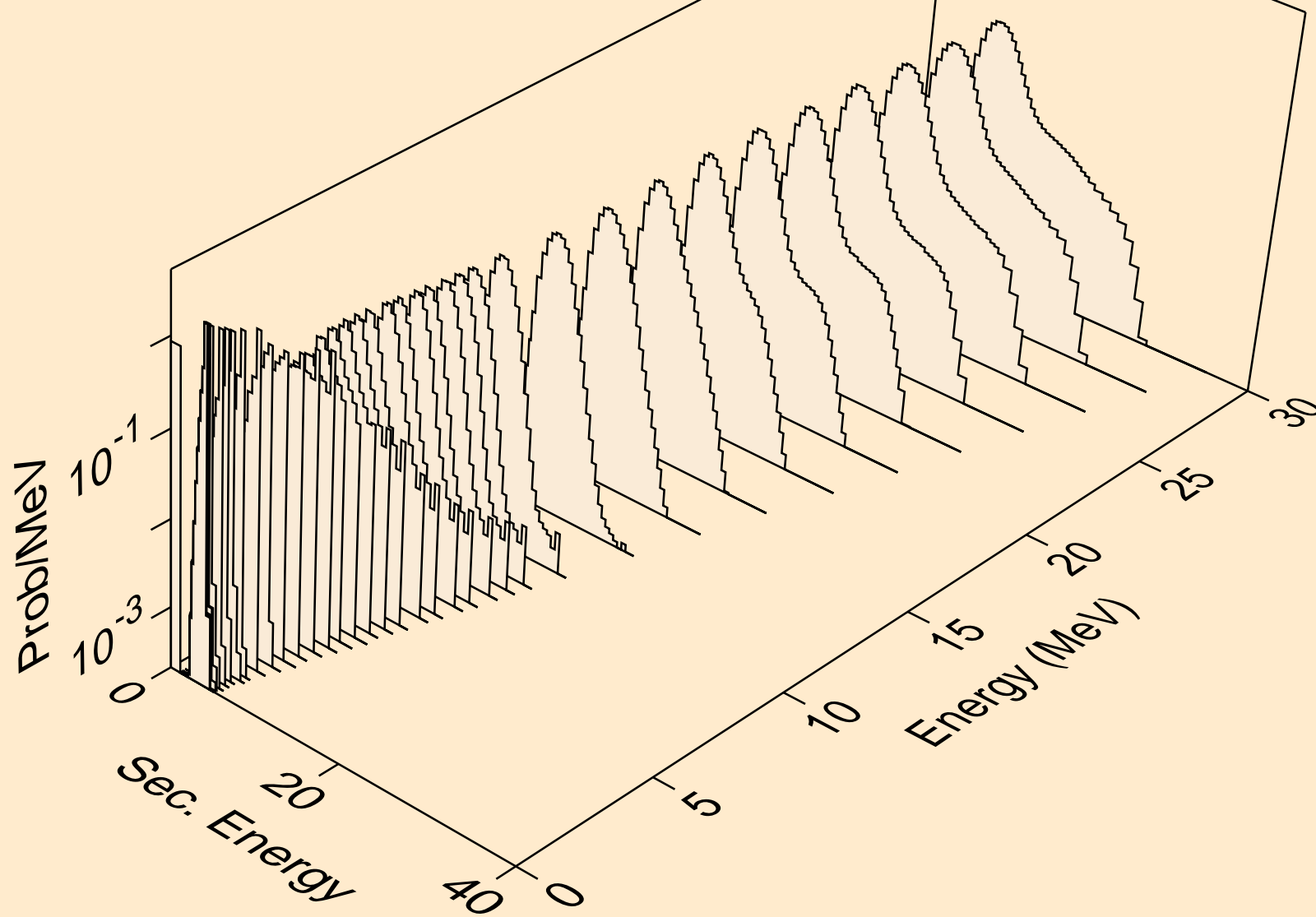
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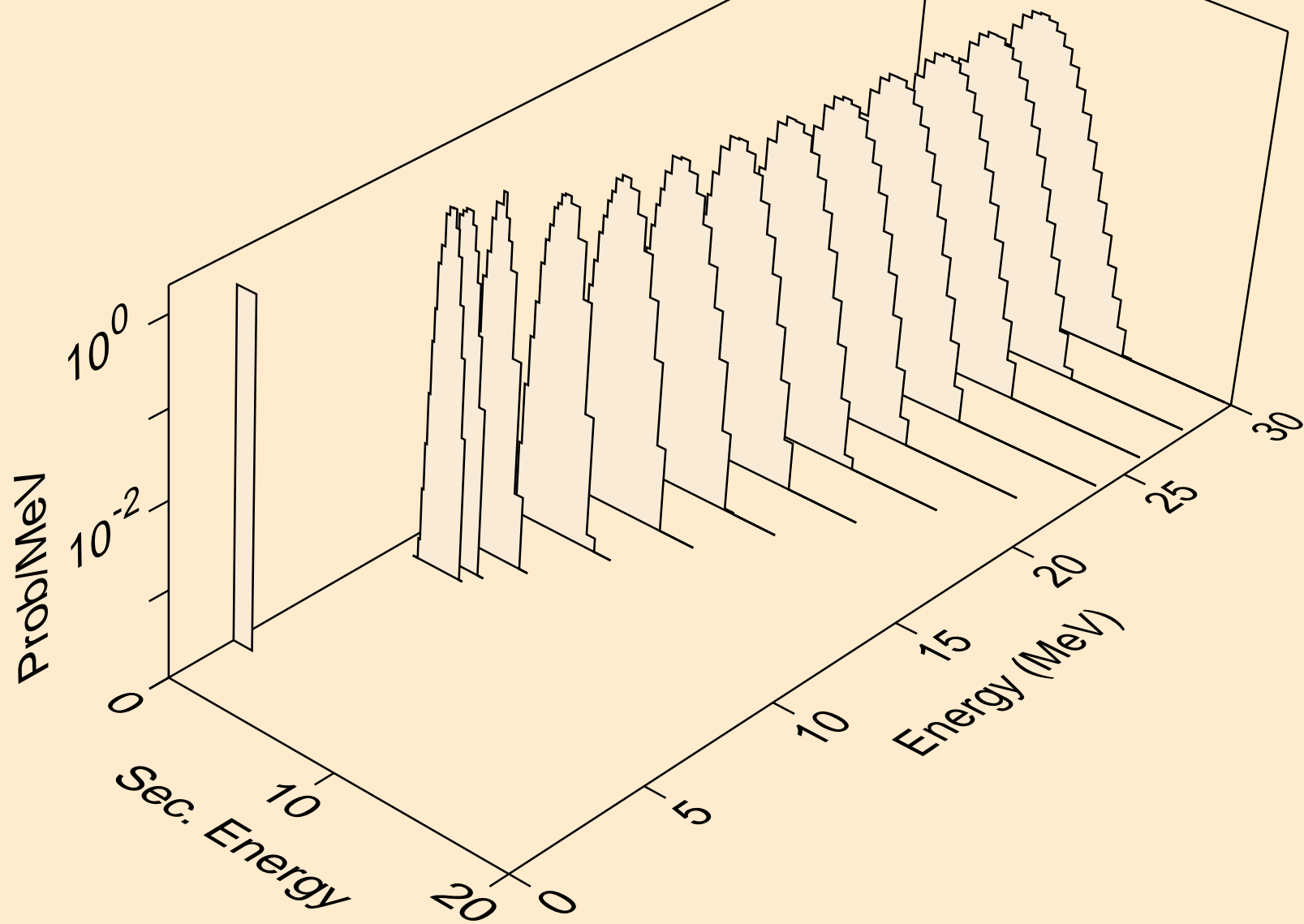
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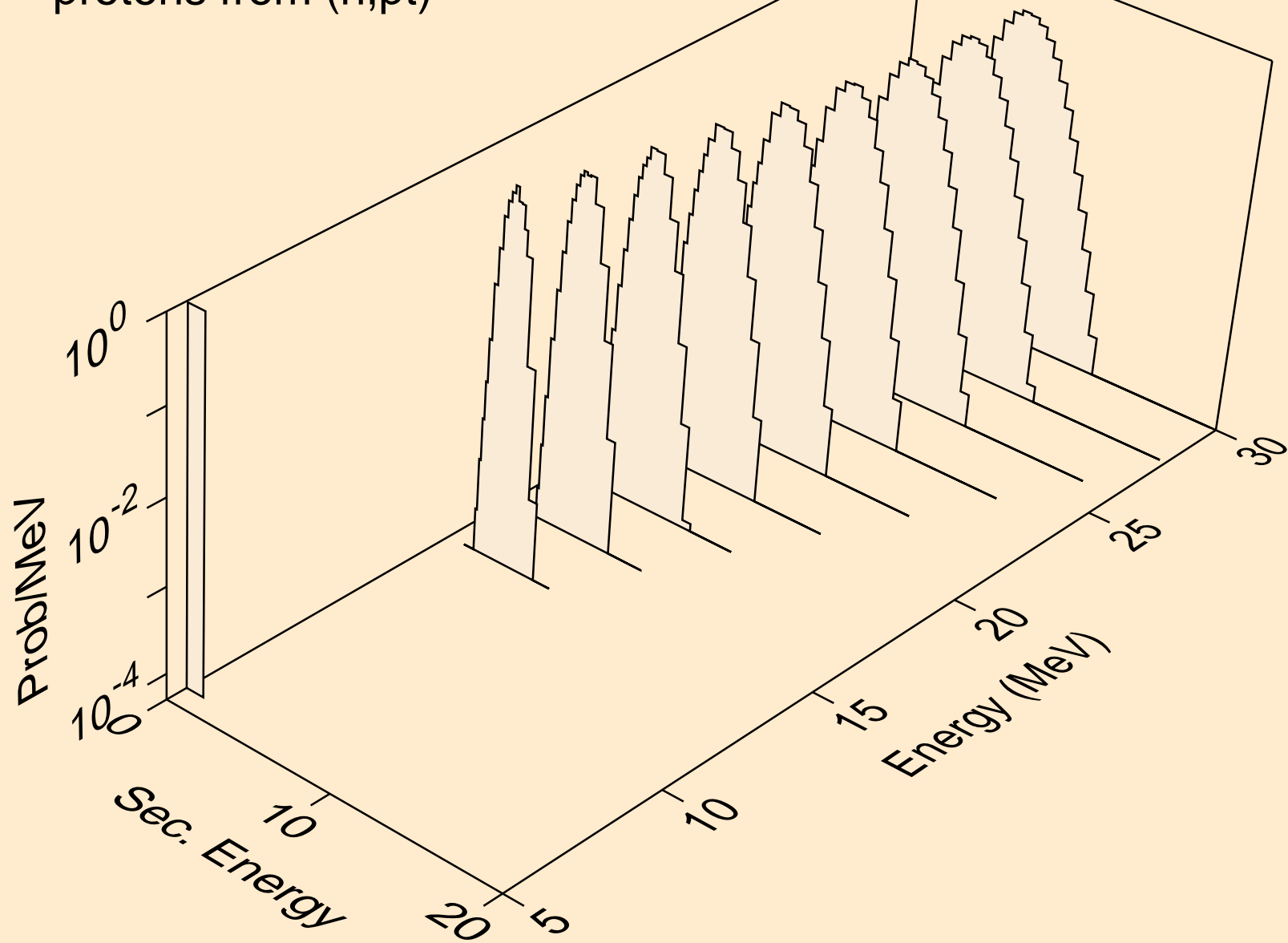
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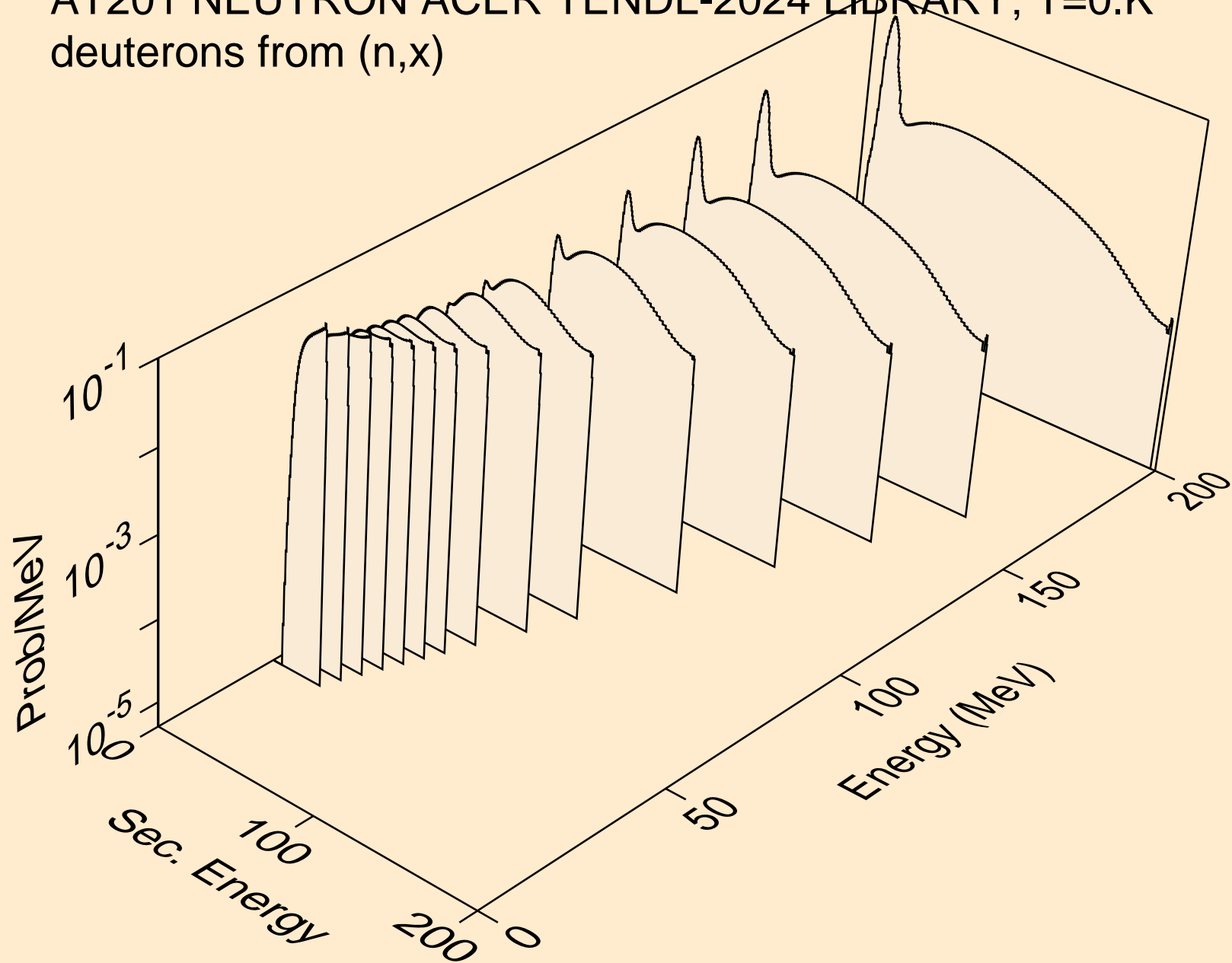
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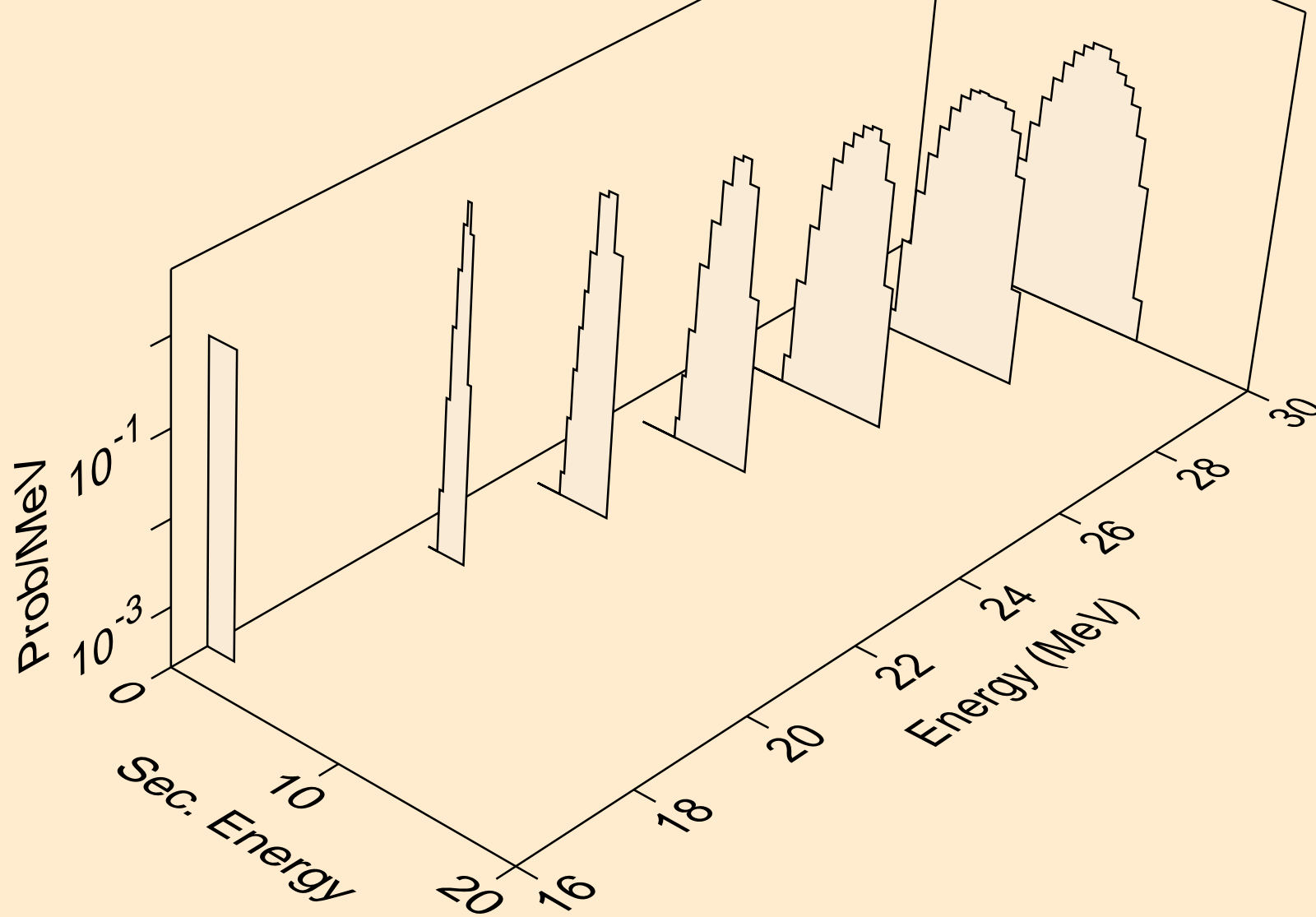
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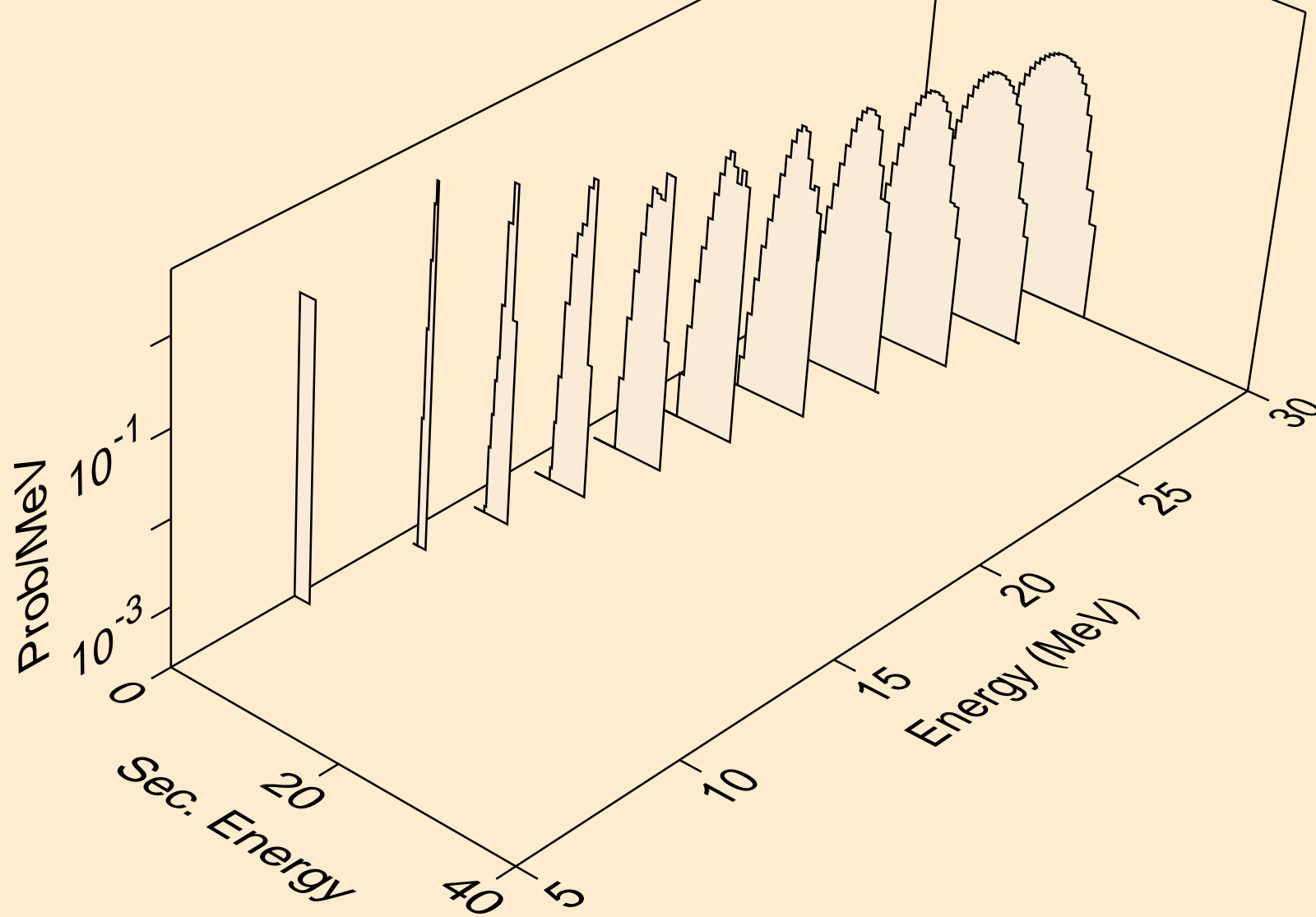
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deuterons from (n,x)



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deuterons from (n,2nd)

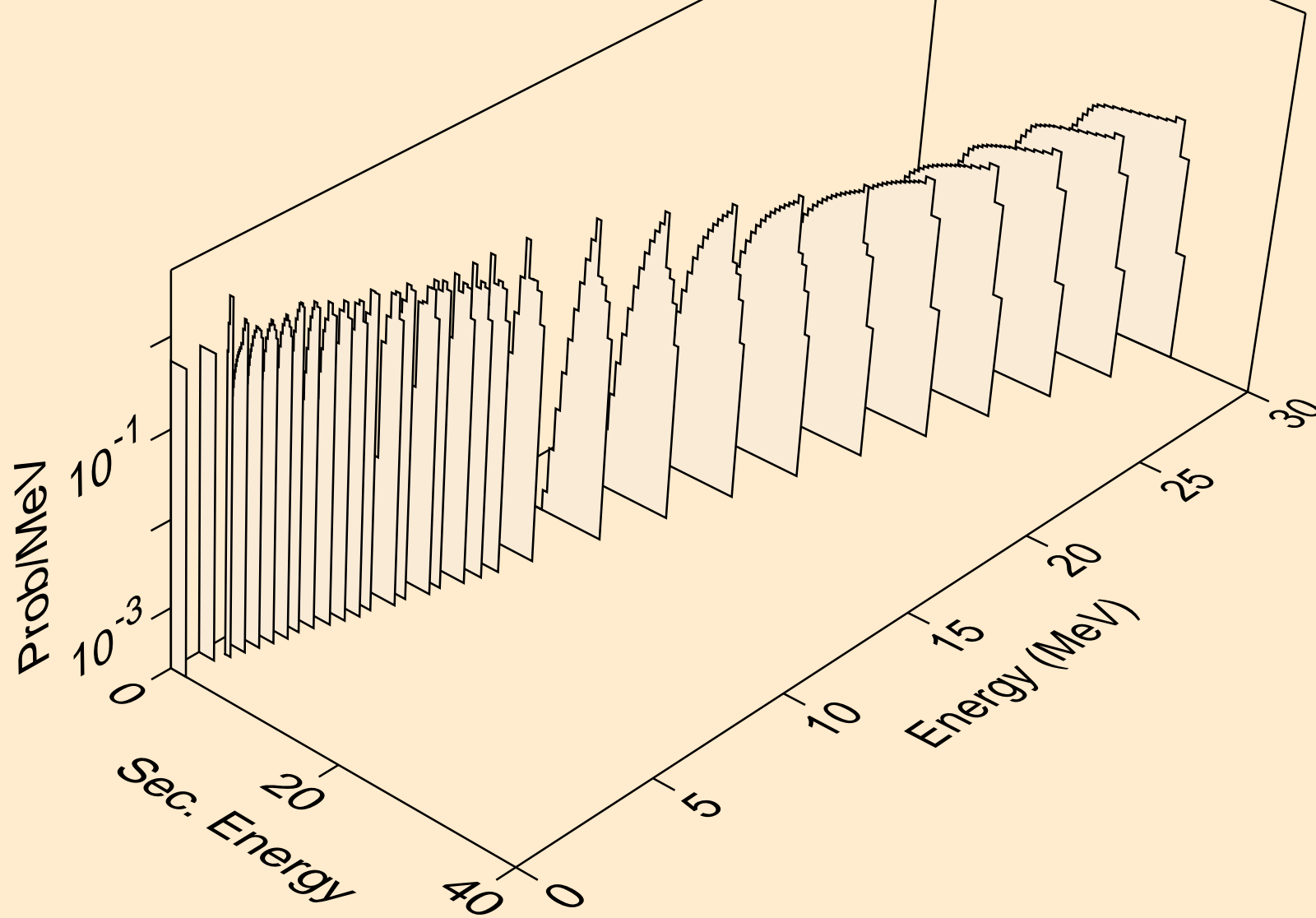


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deuterons from (n,n\*)d

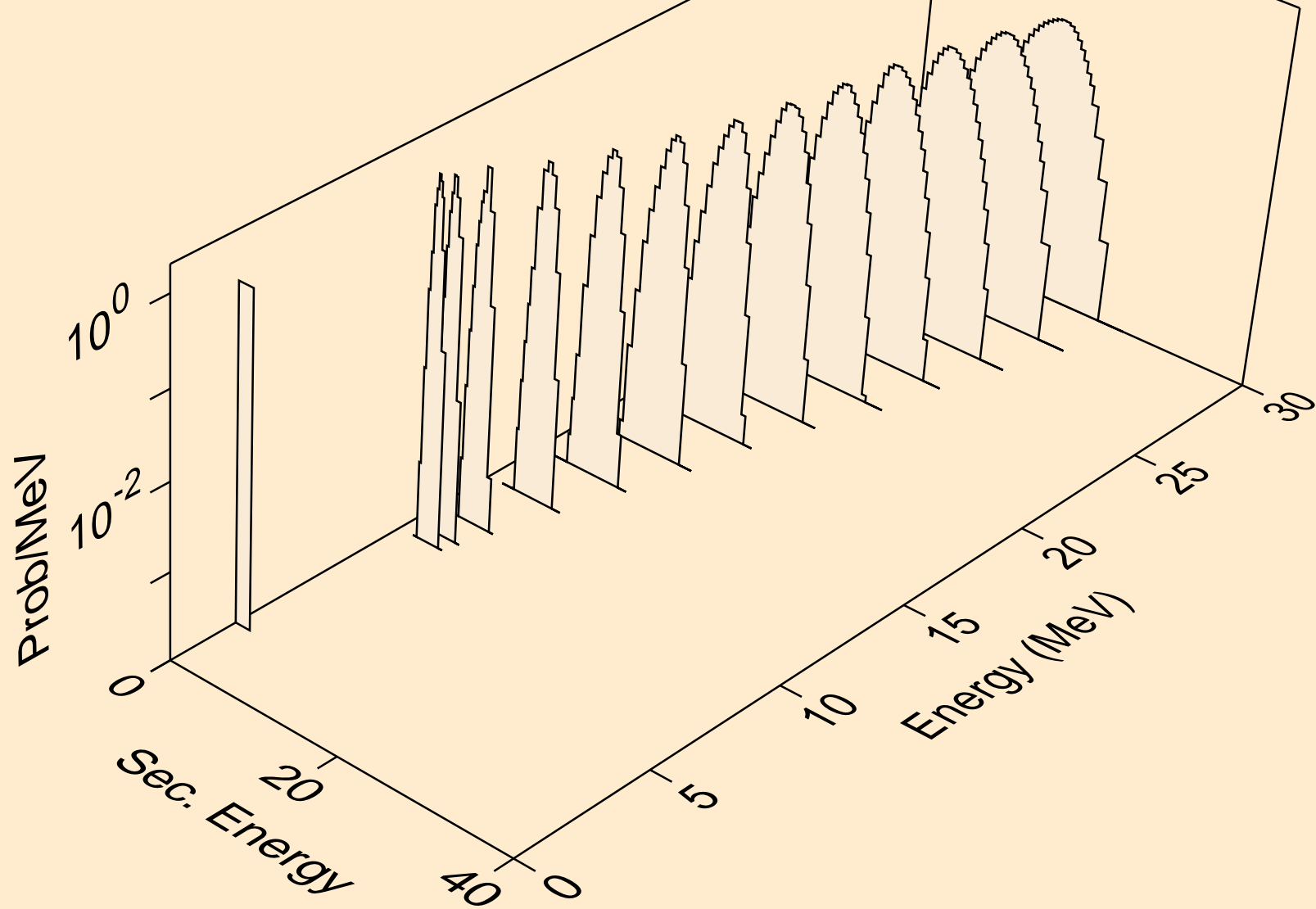




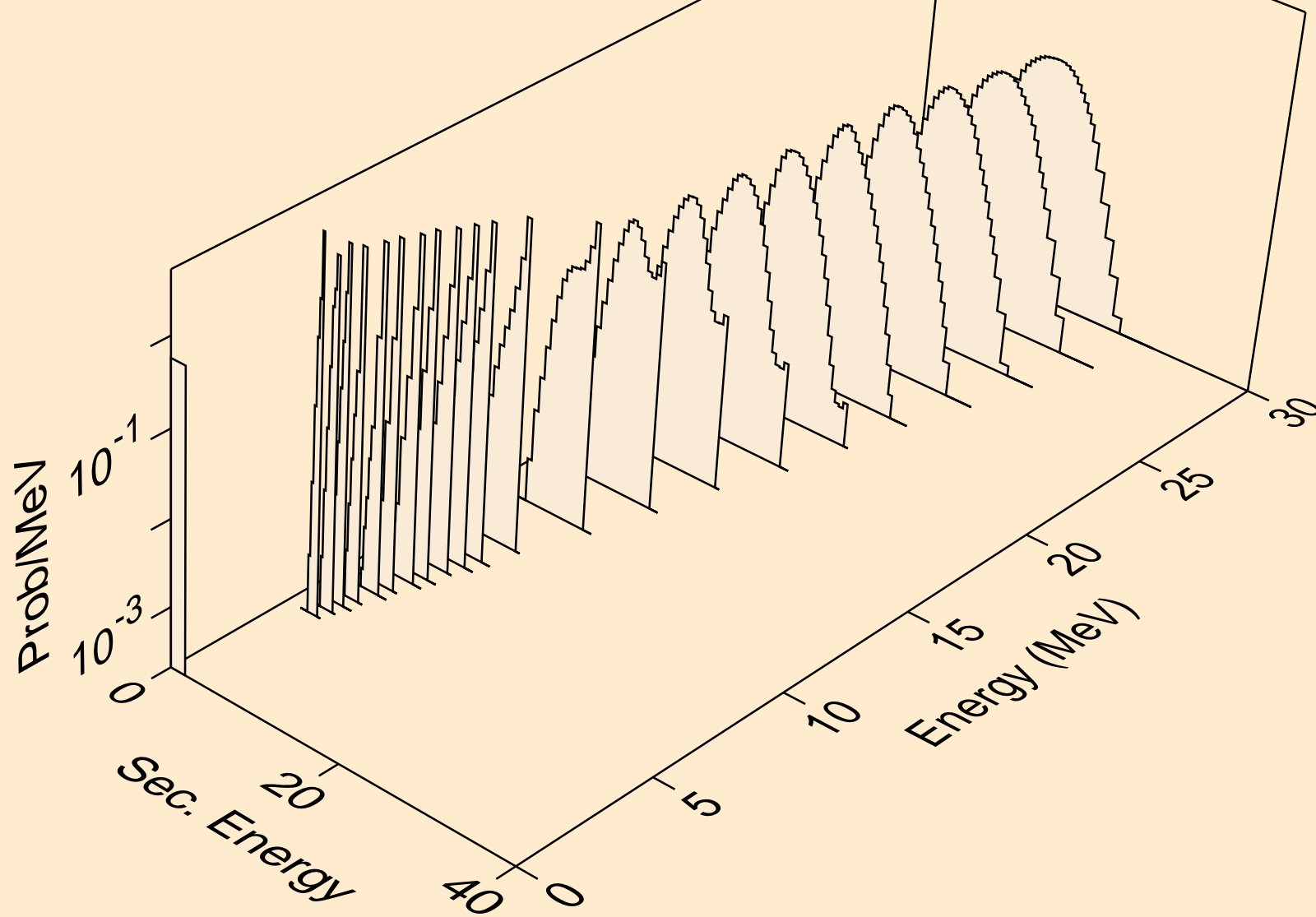
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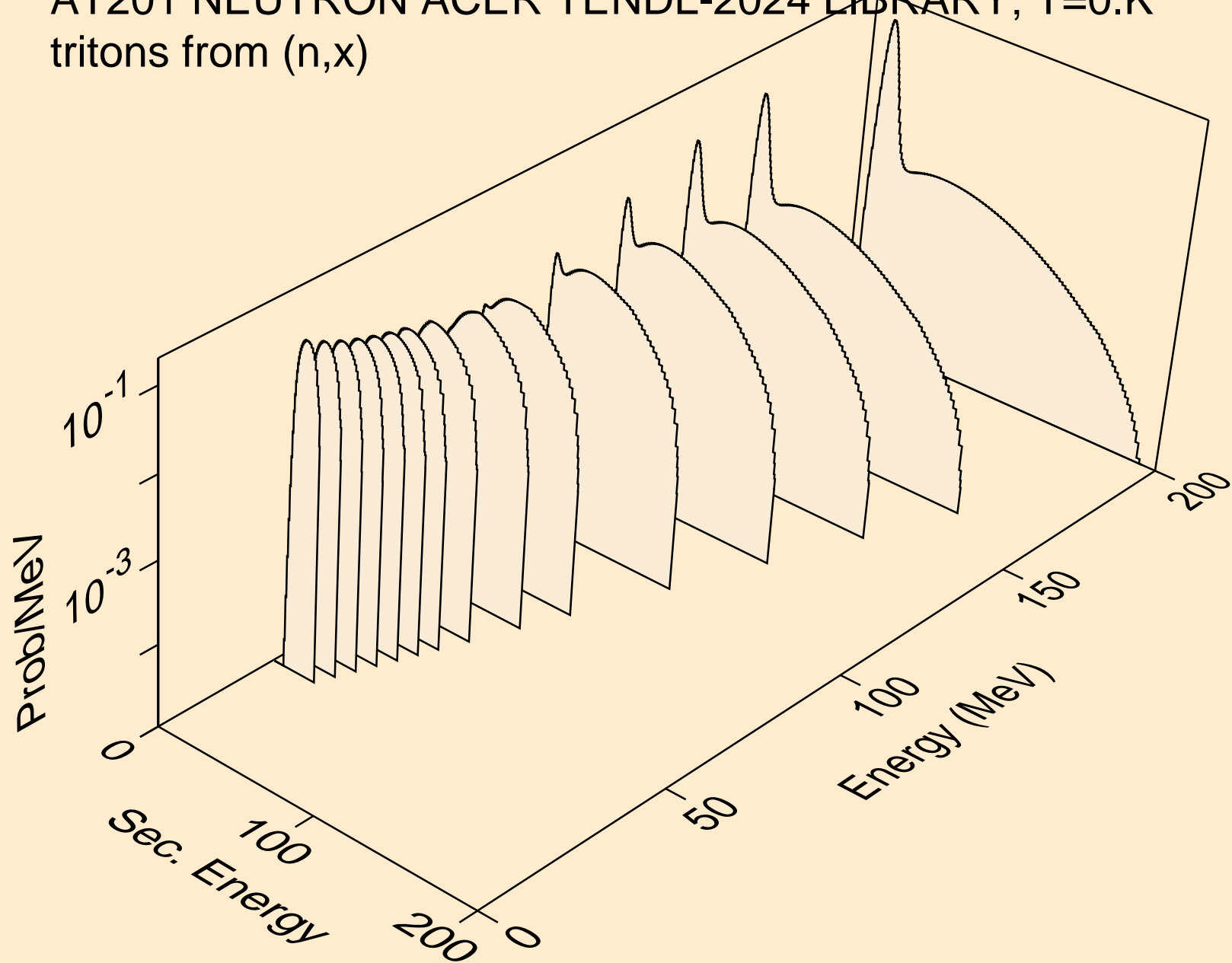
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deuterons from (n,pd)



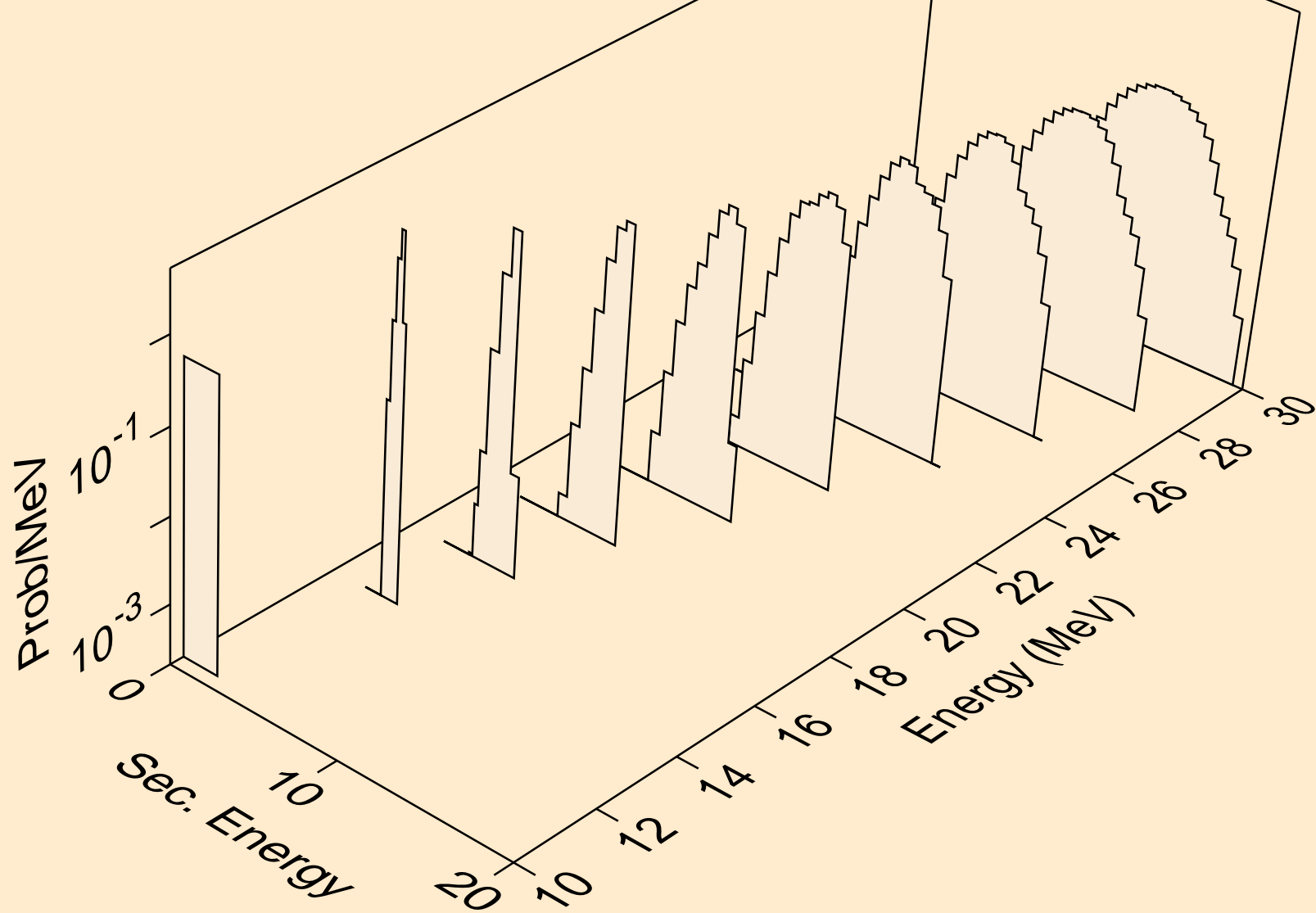
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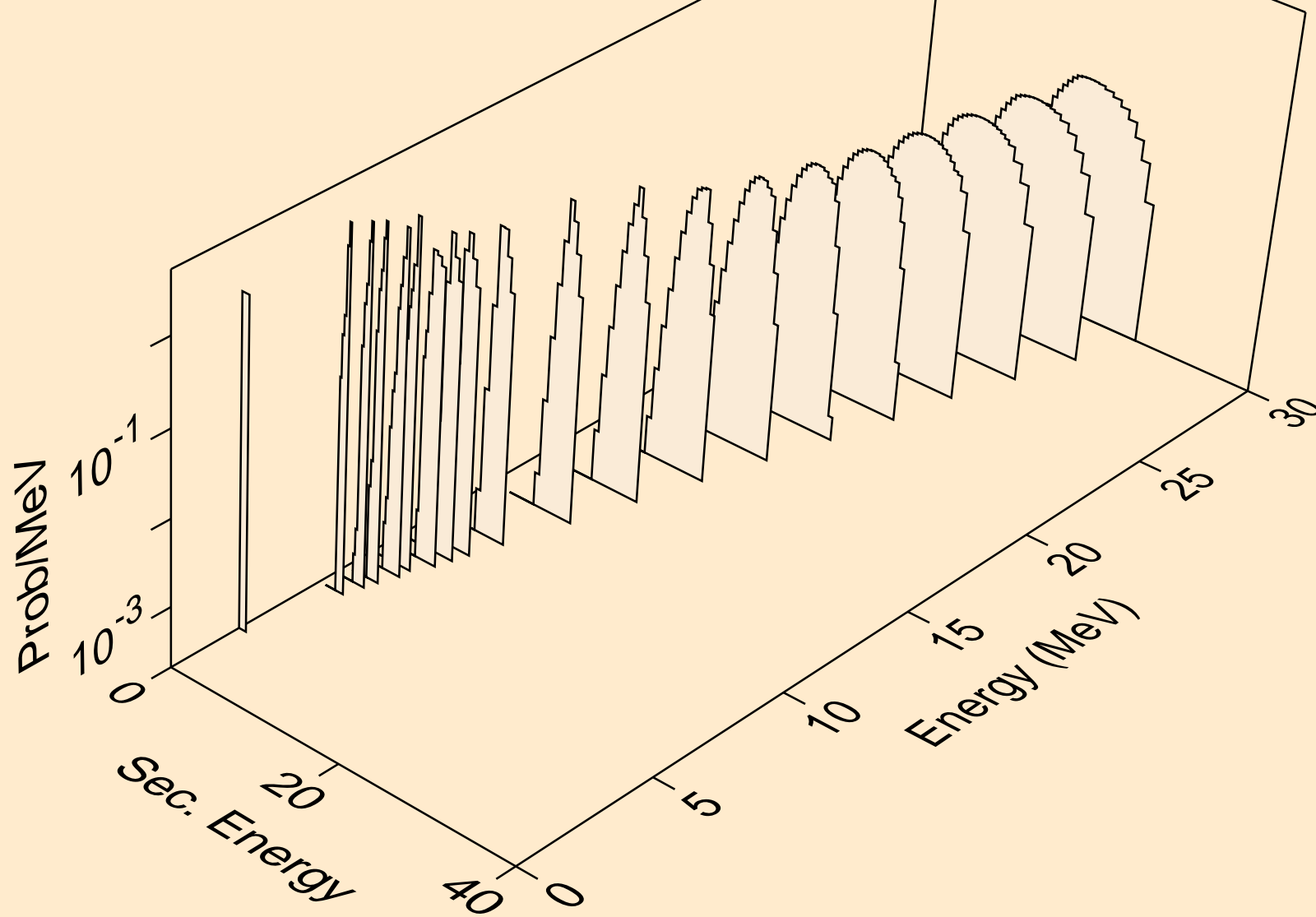
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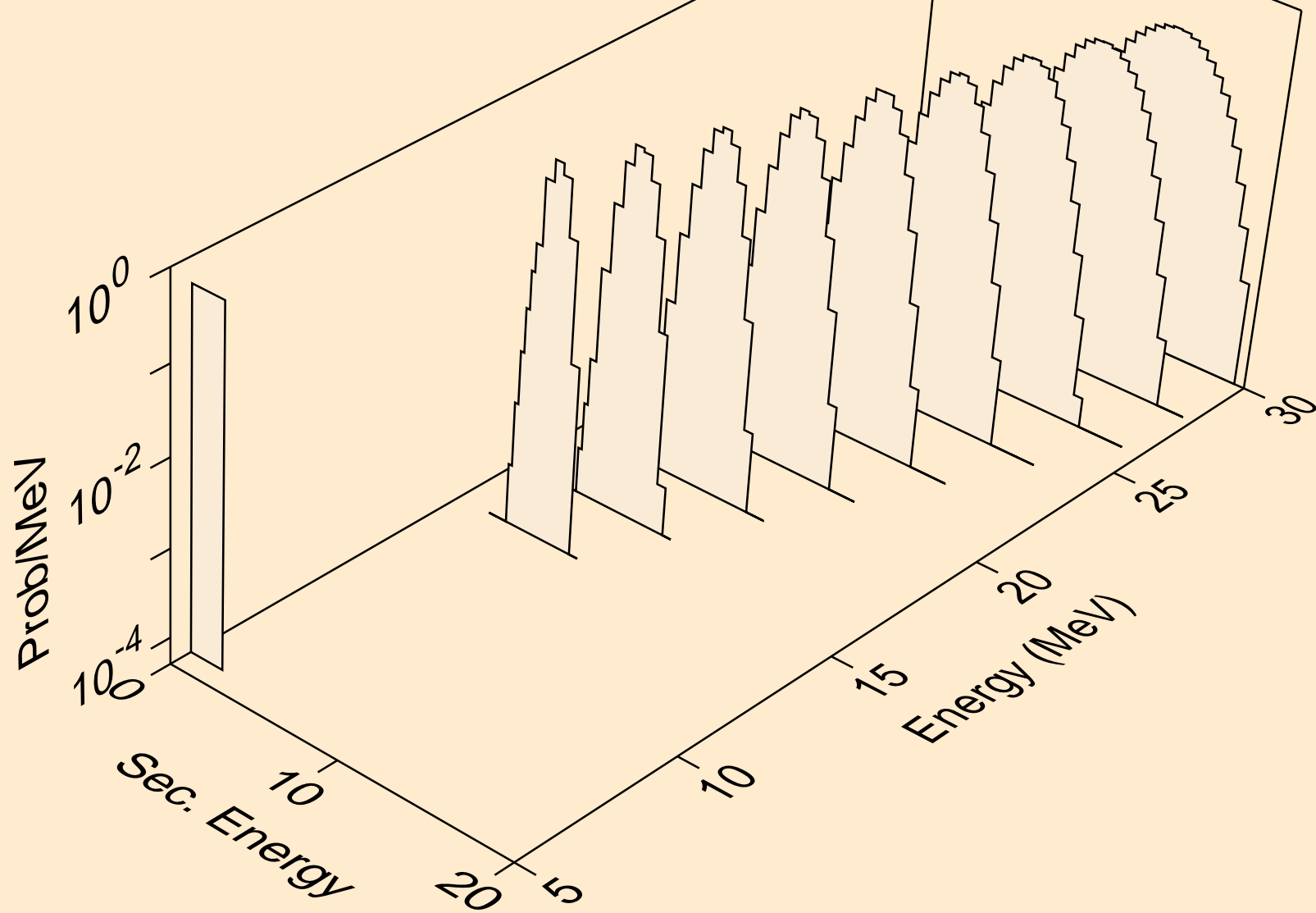
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tritons from (n,n\*)t



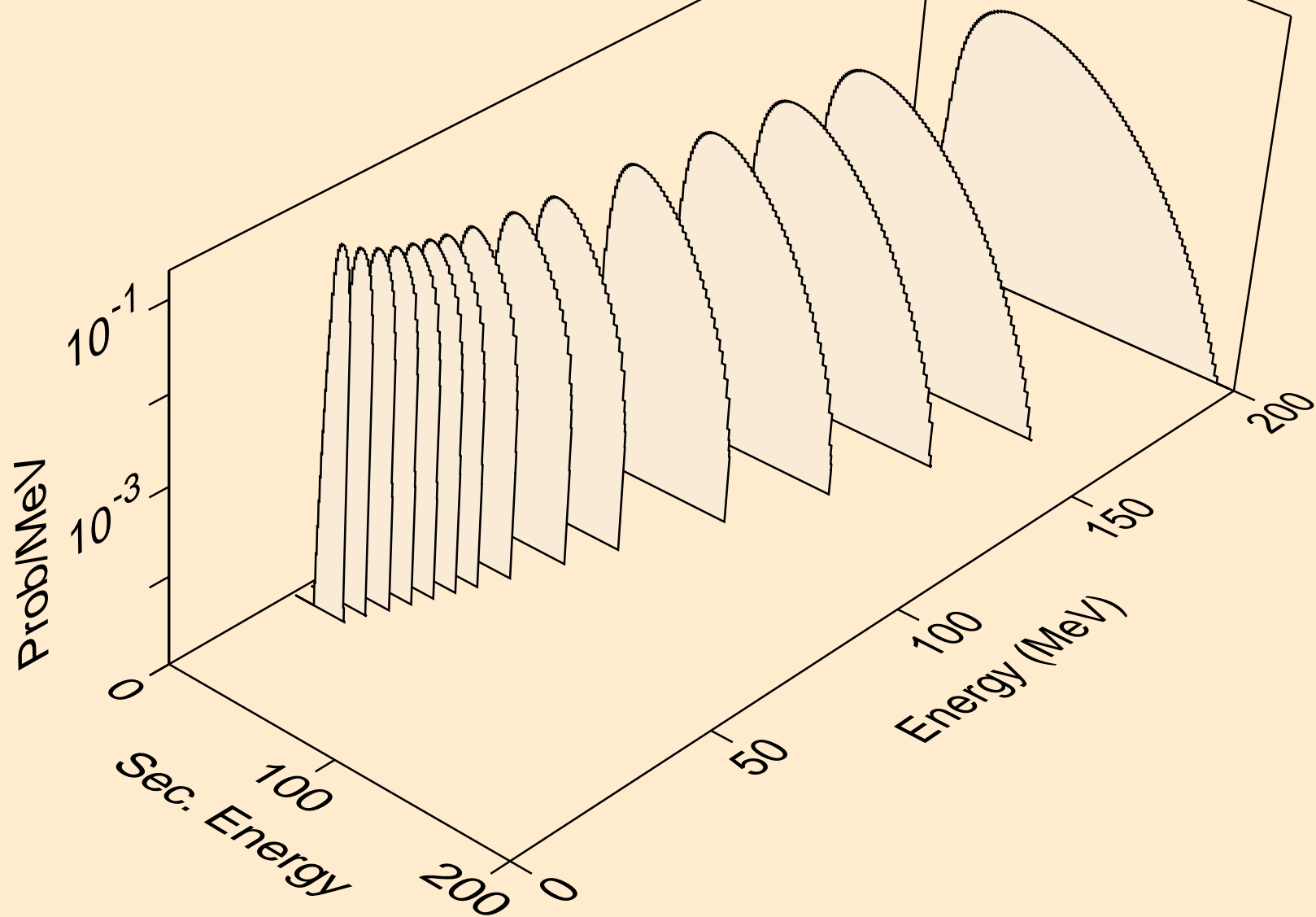
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AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

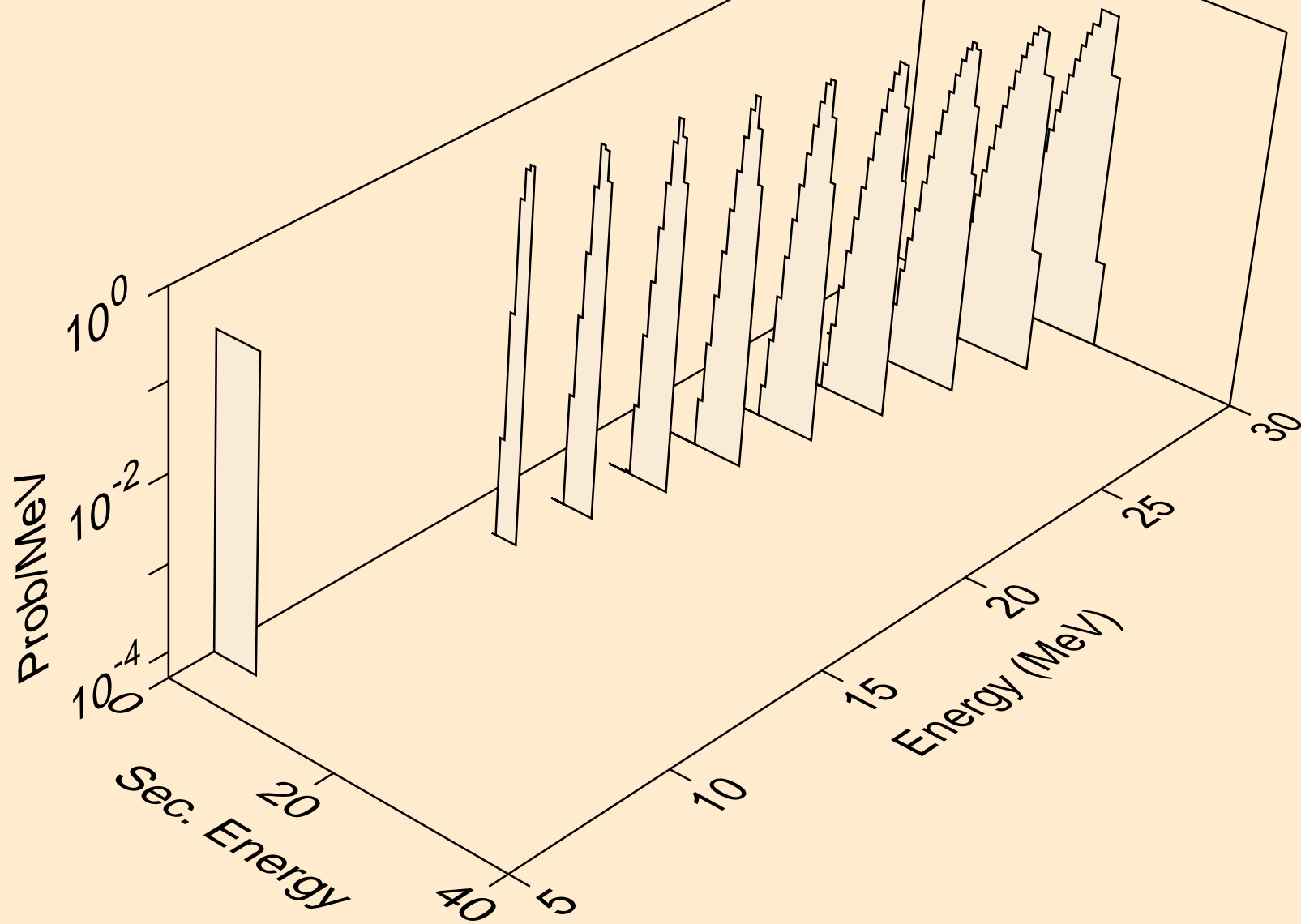


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he3s from (n,x)

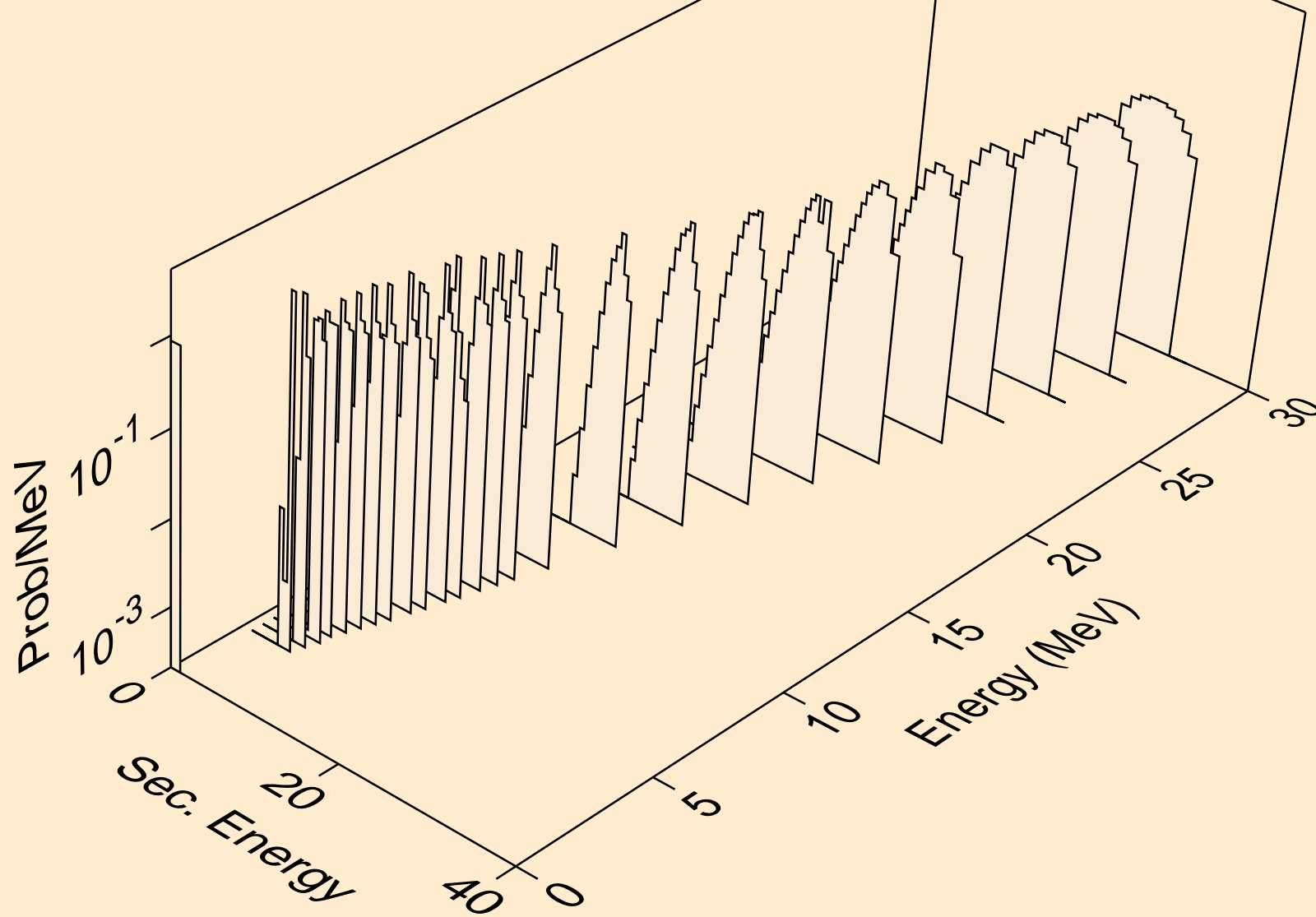




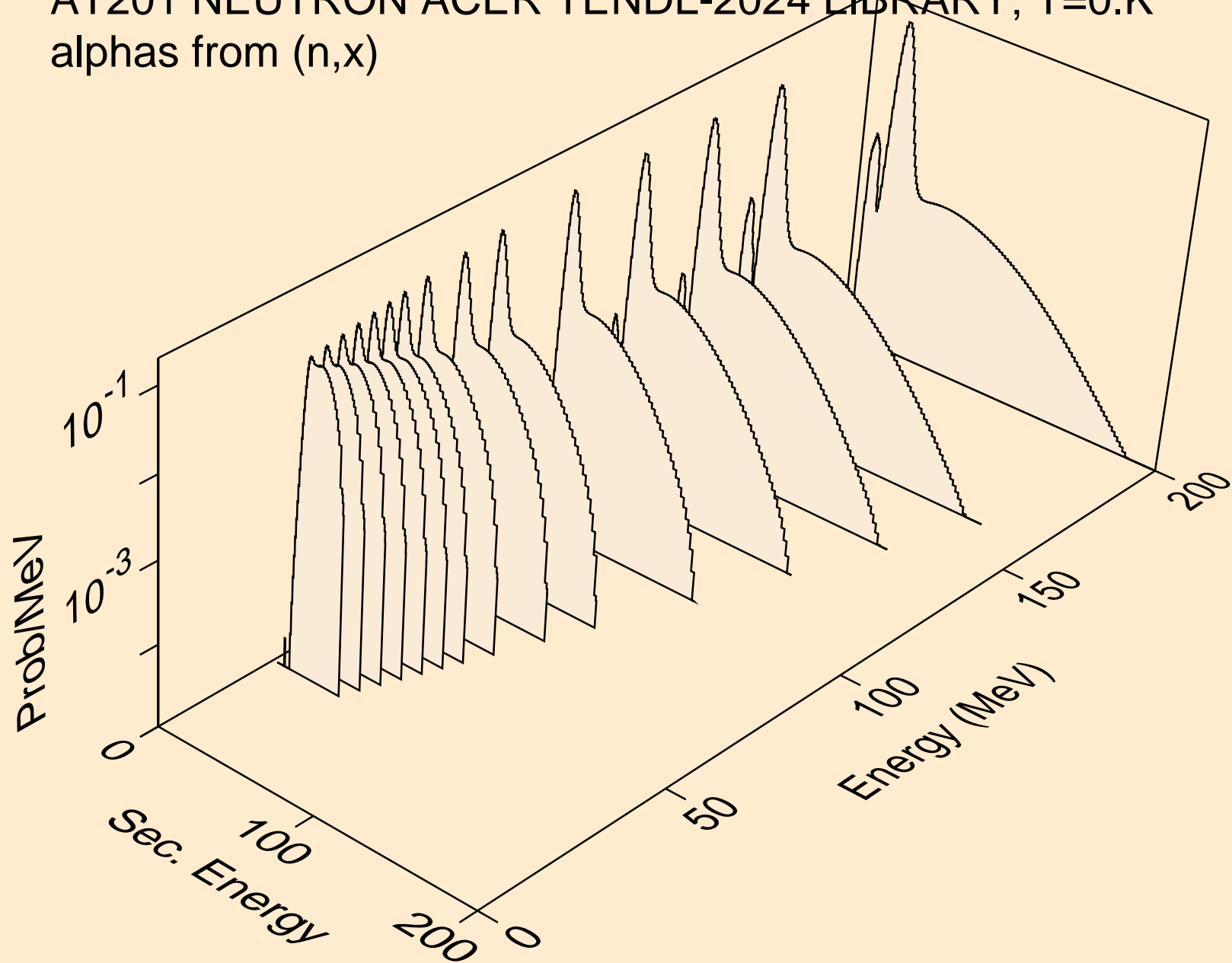
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he3s from (n,n\*)he3



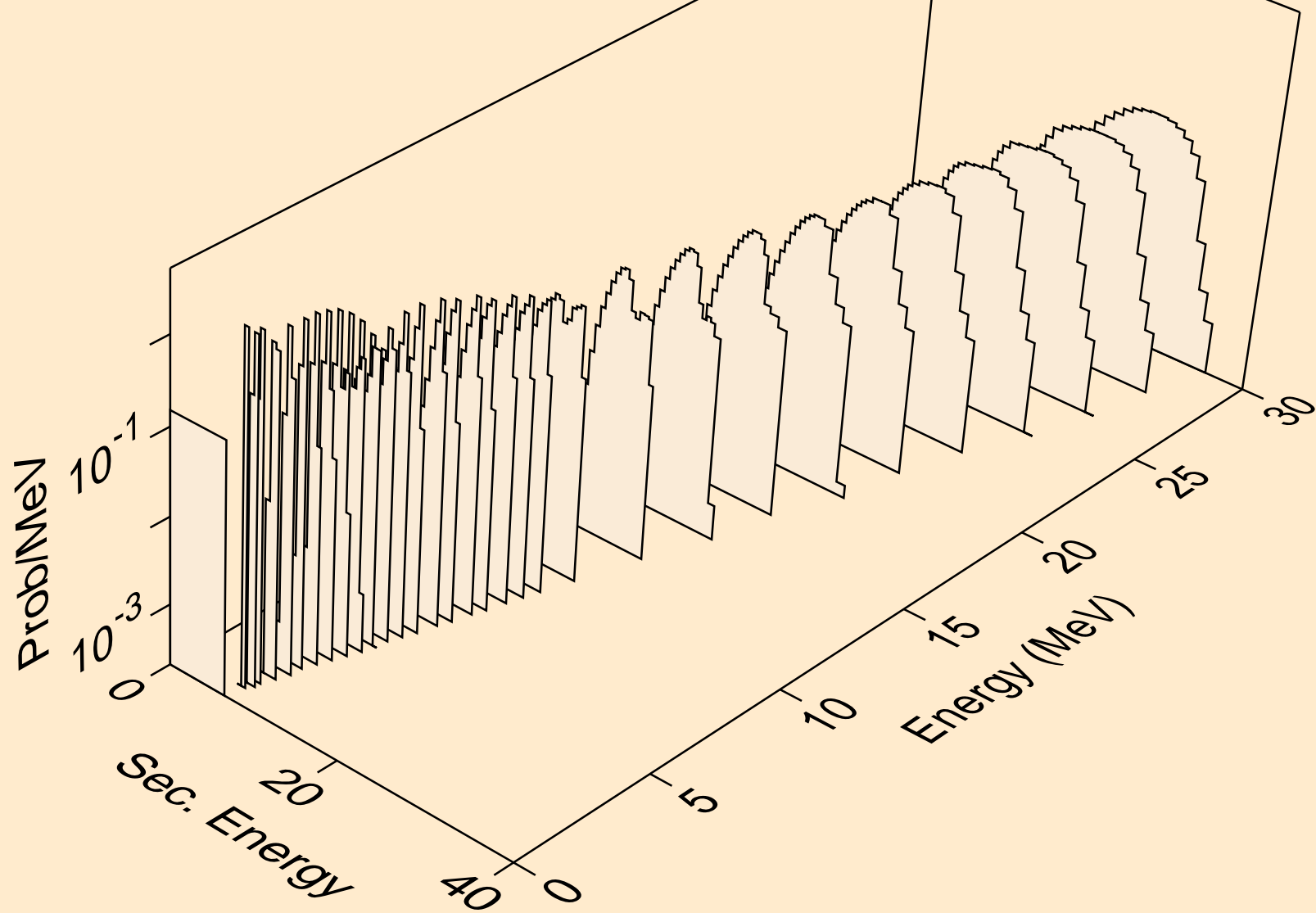
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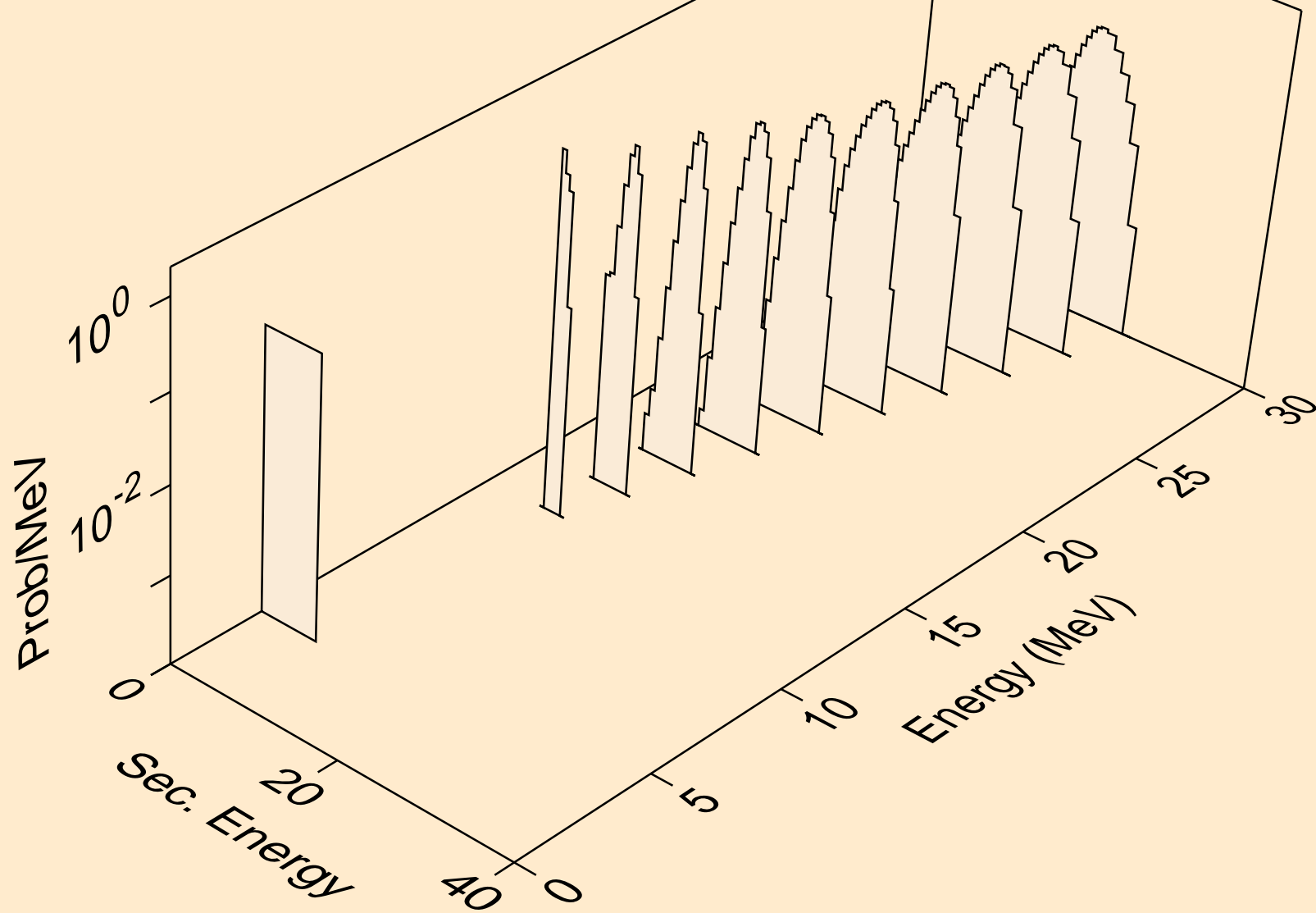
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alphas from (n,x)



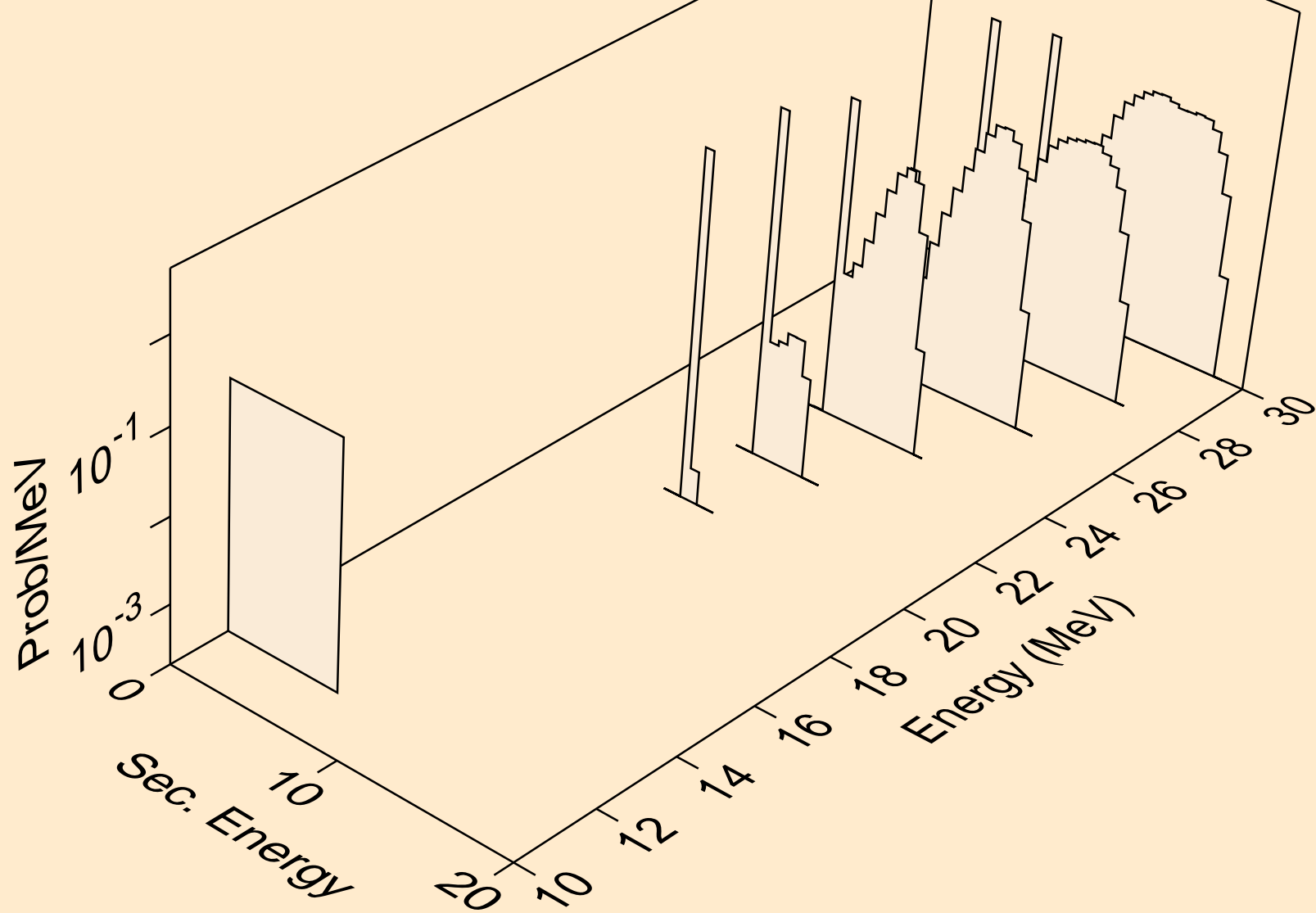
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alphas from (n,n\*)a



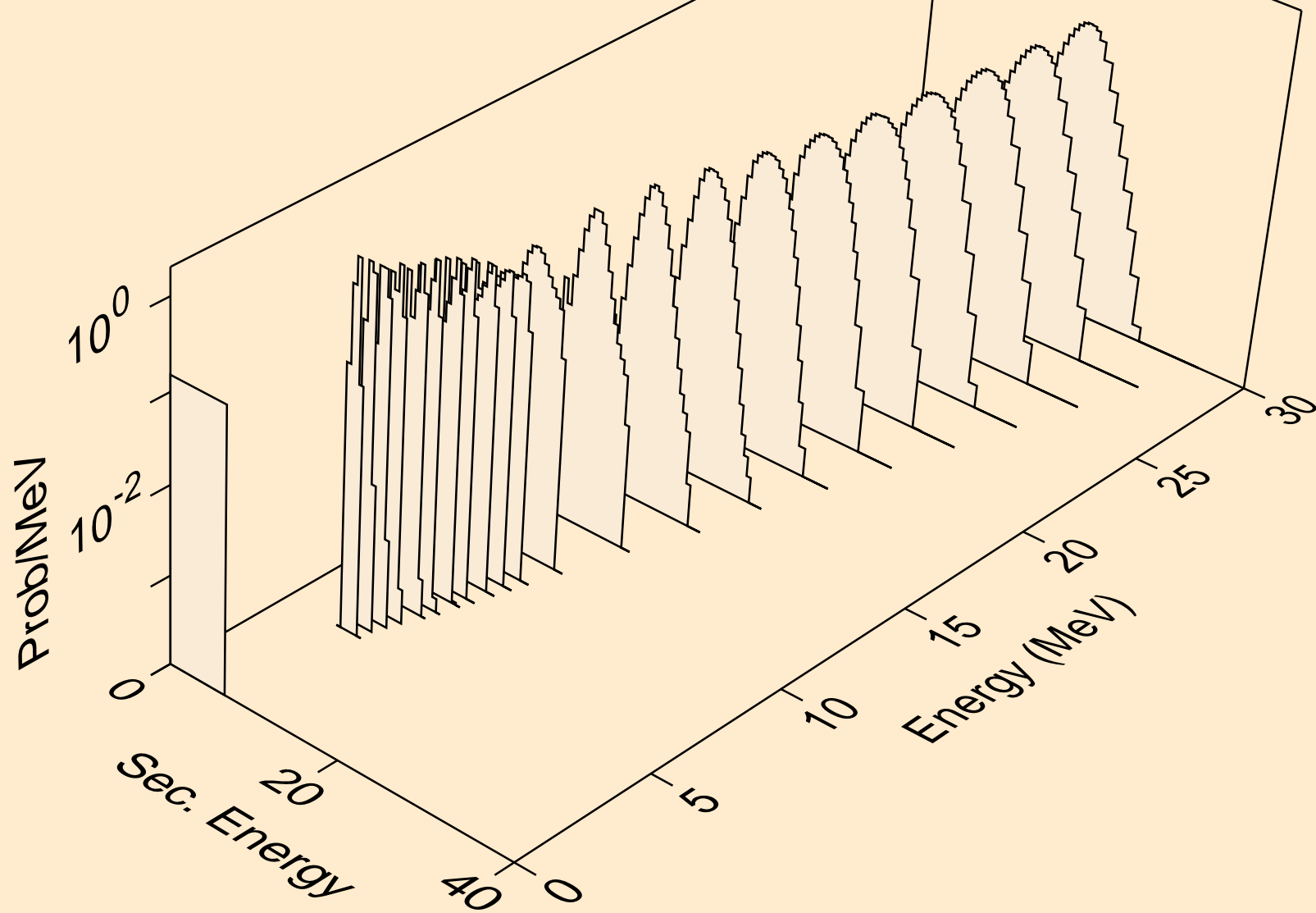
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alphas from (n,2n)a



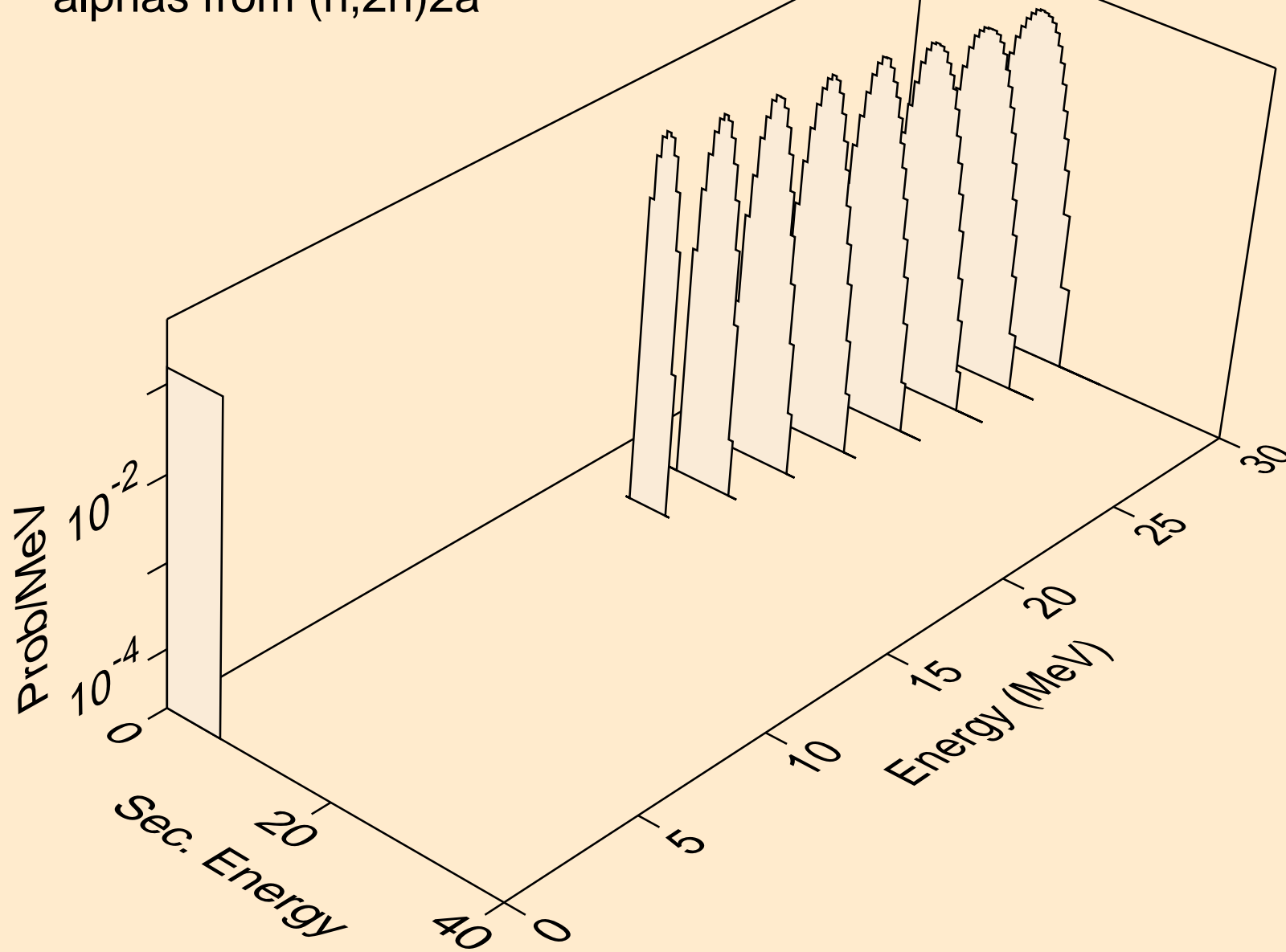
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alphas from (n,3n)a



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
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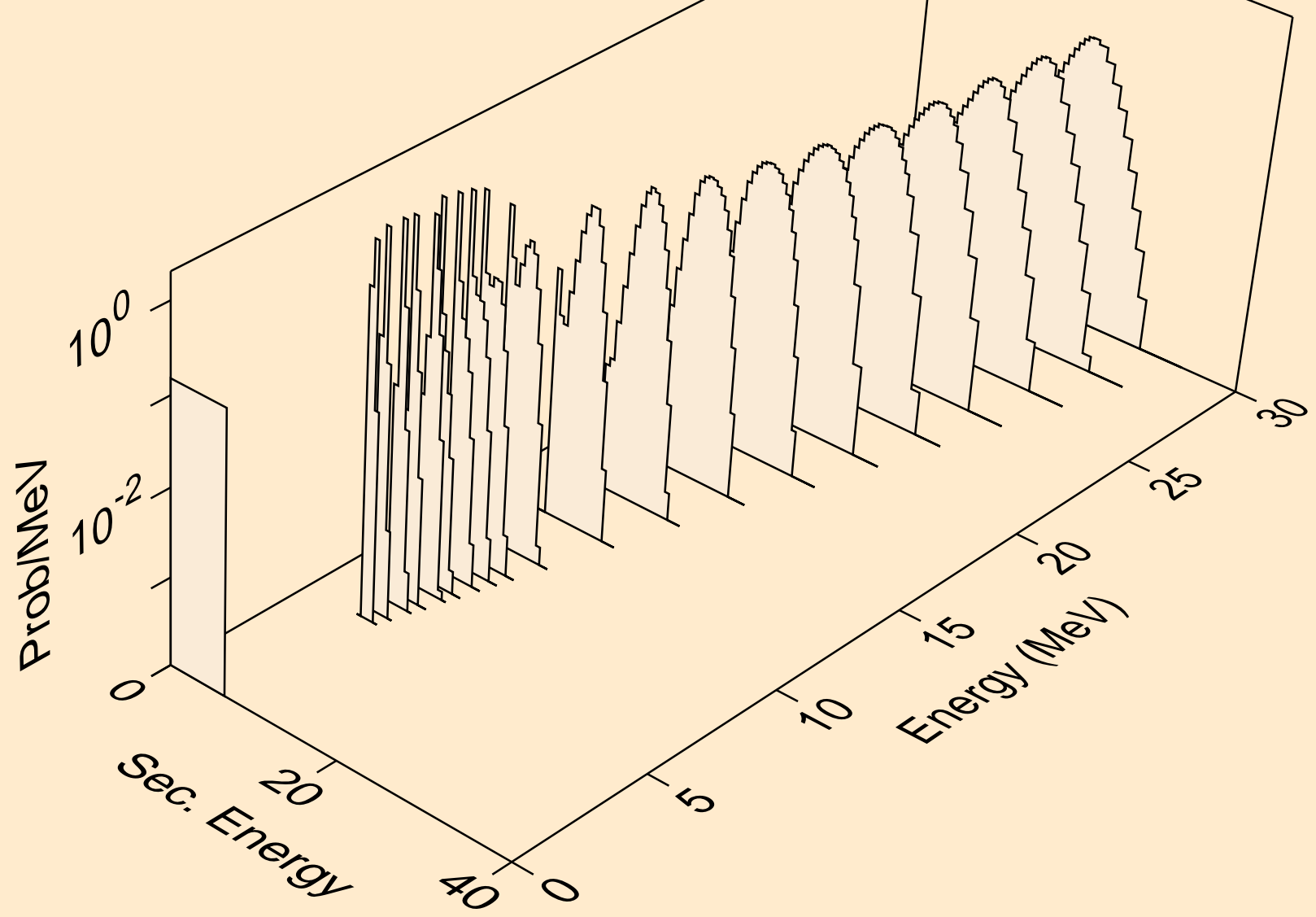


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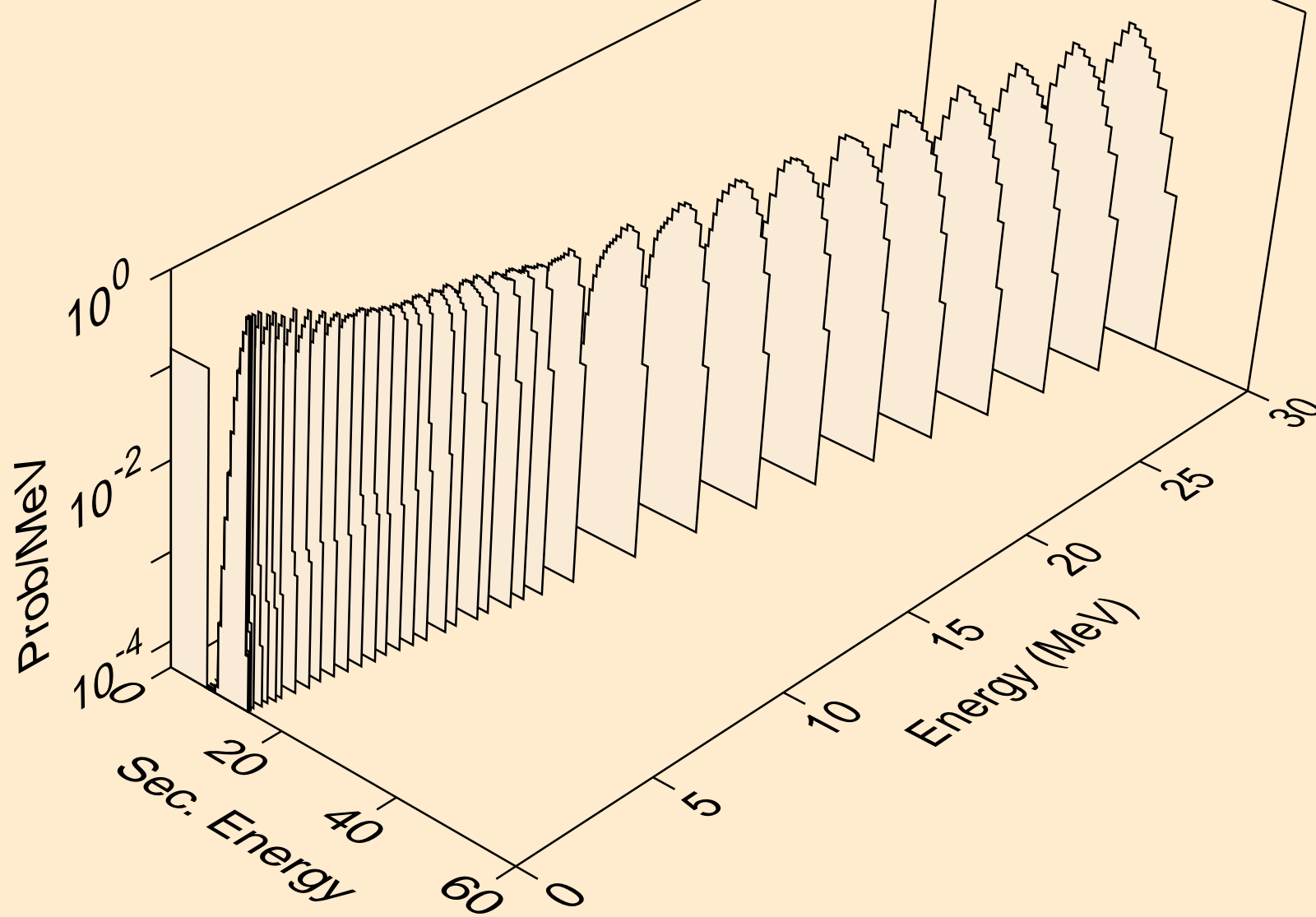




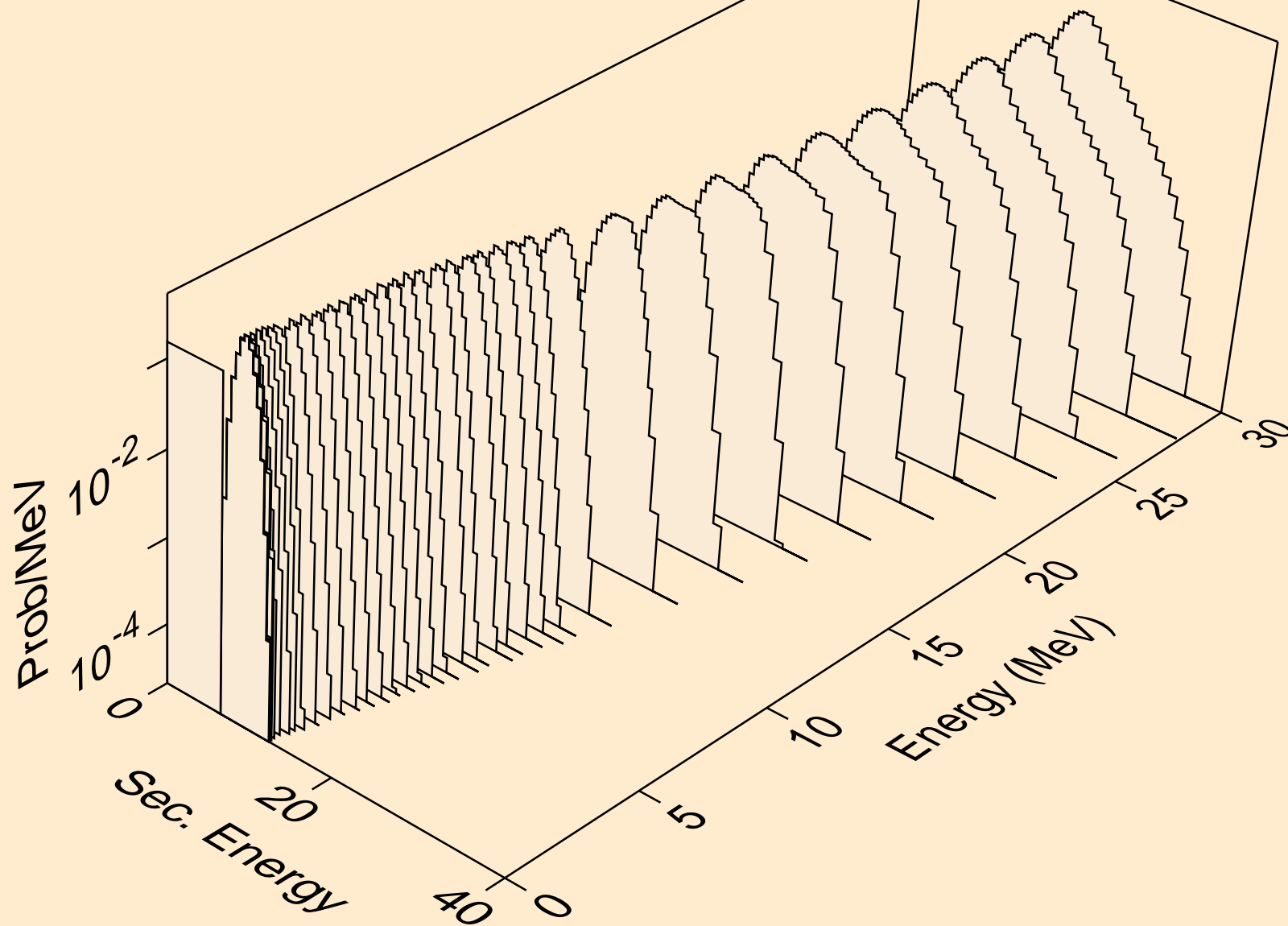
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alphas from (n,npa)



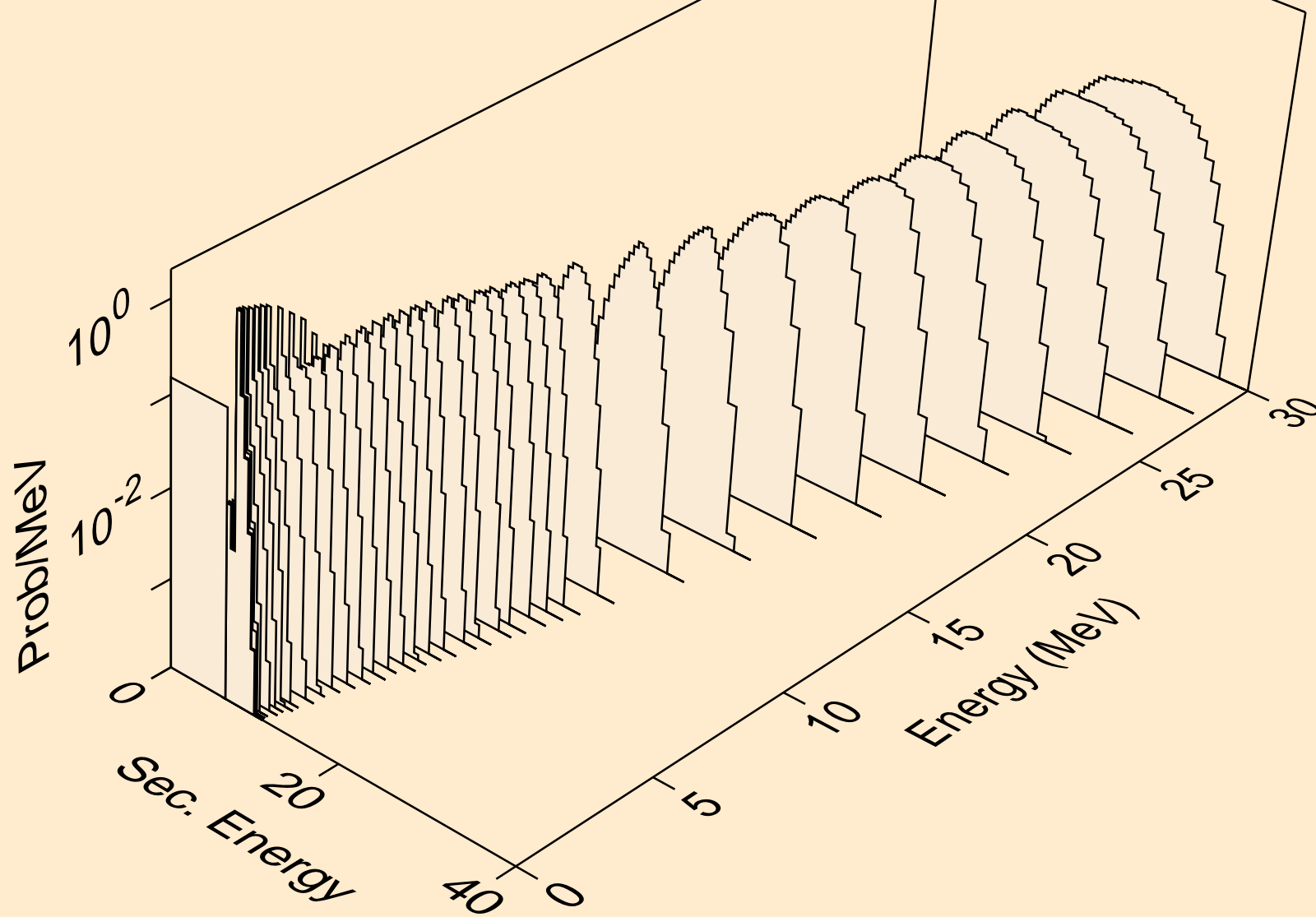
AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



AT201 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

