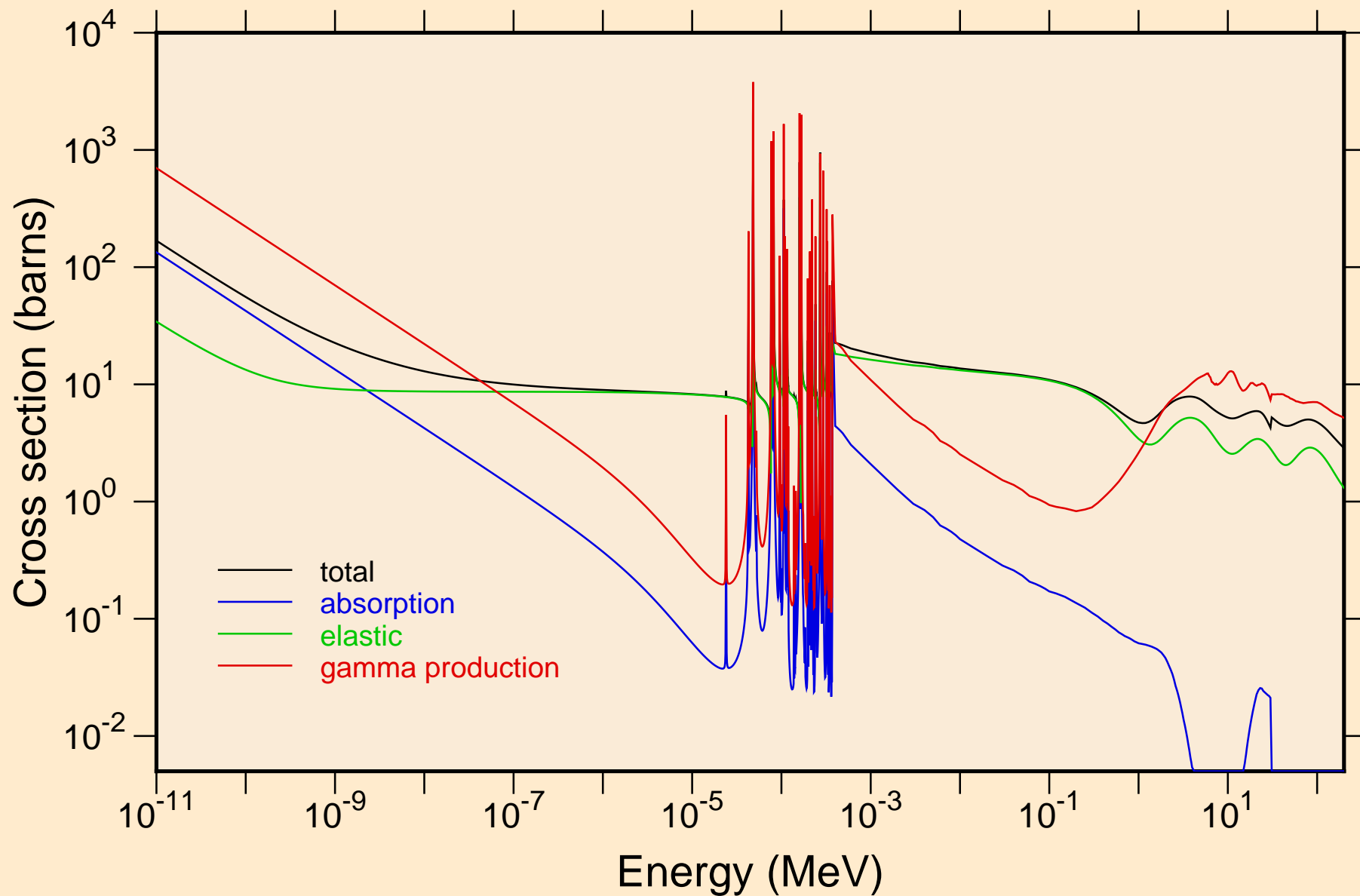
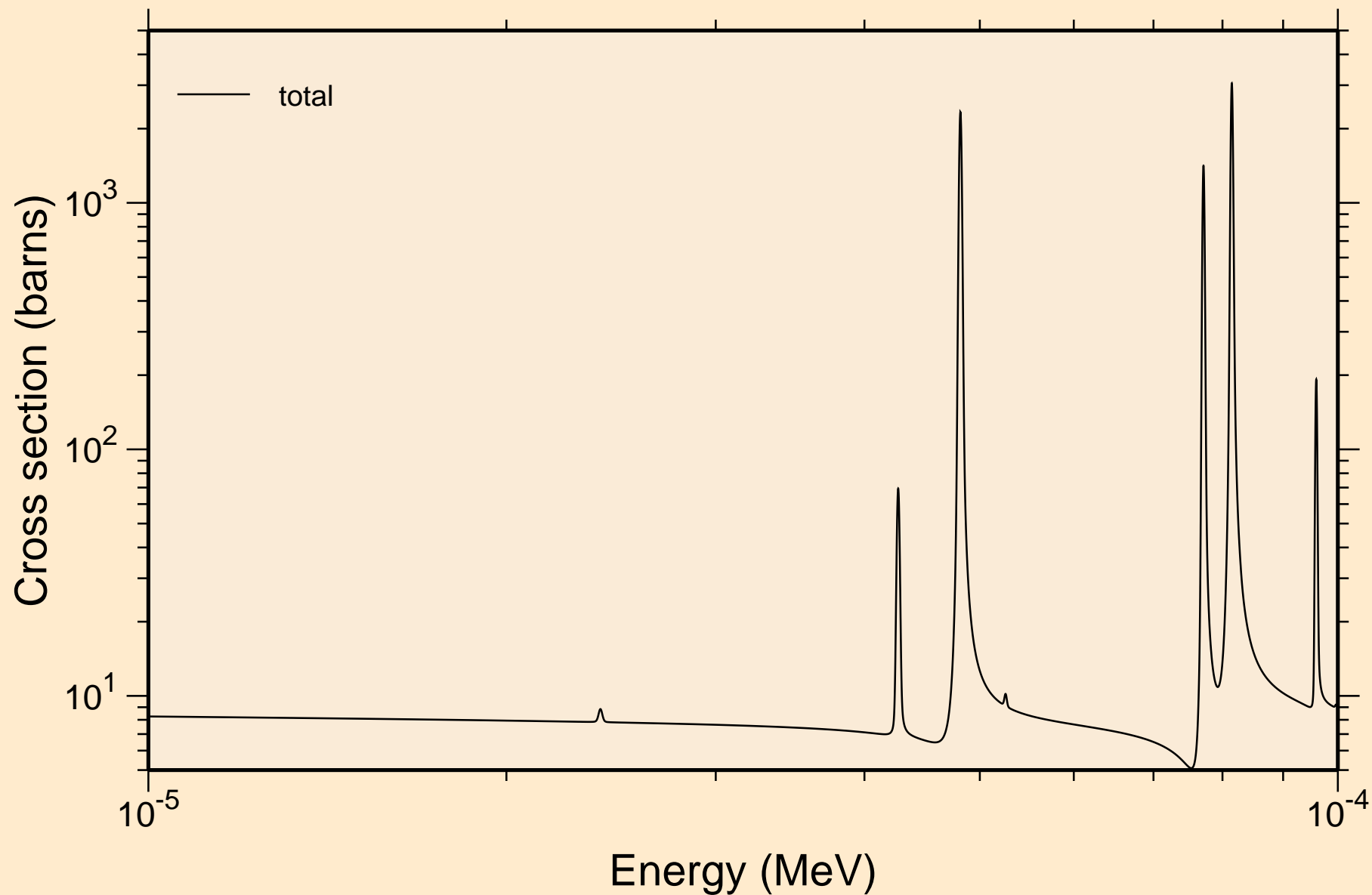


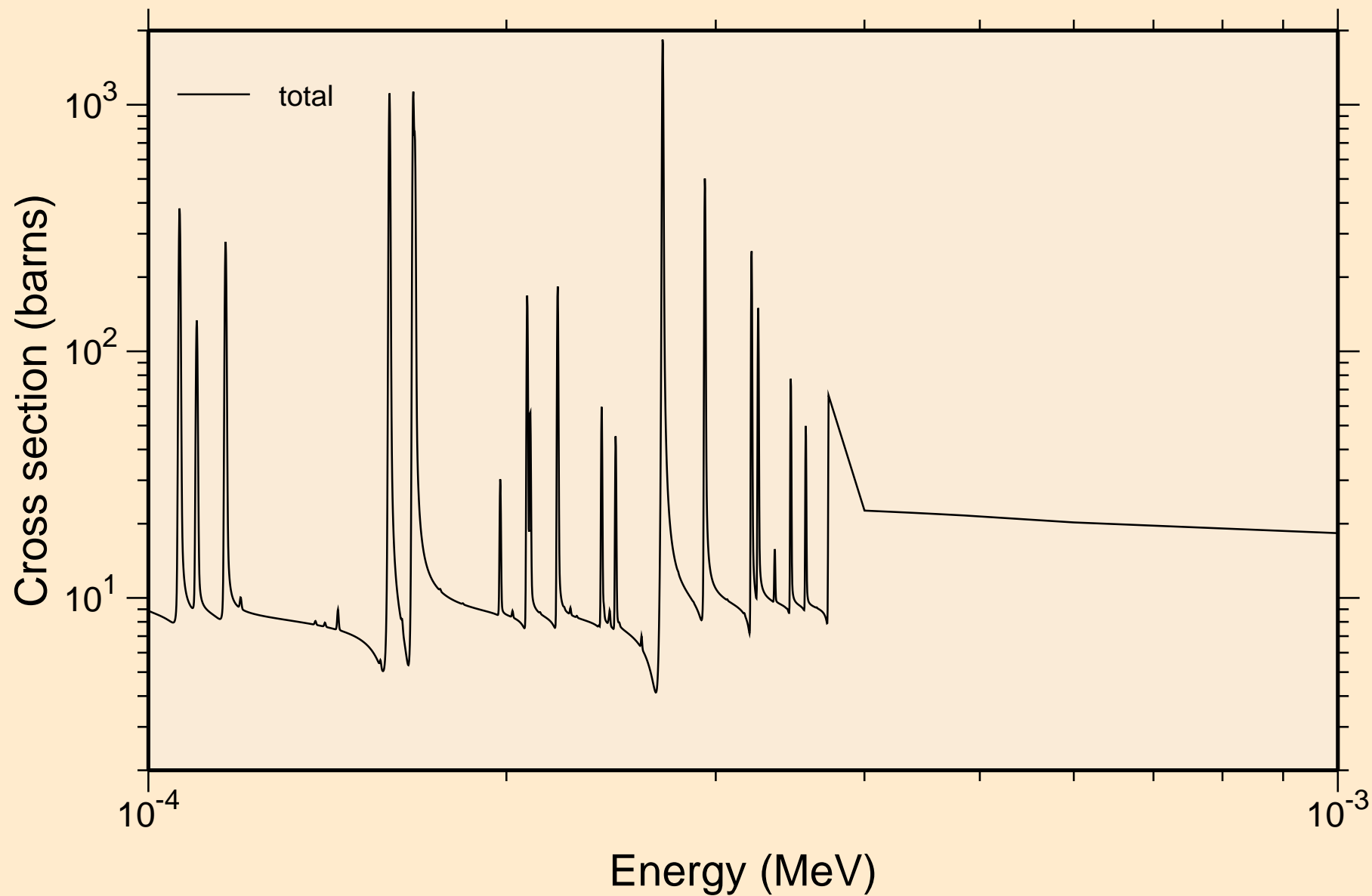
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Principal cross sections



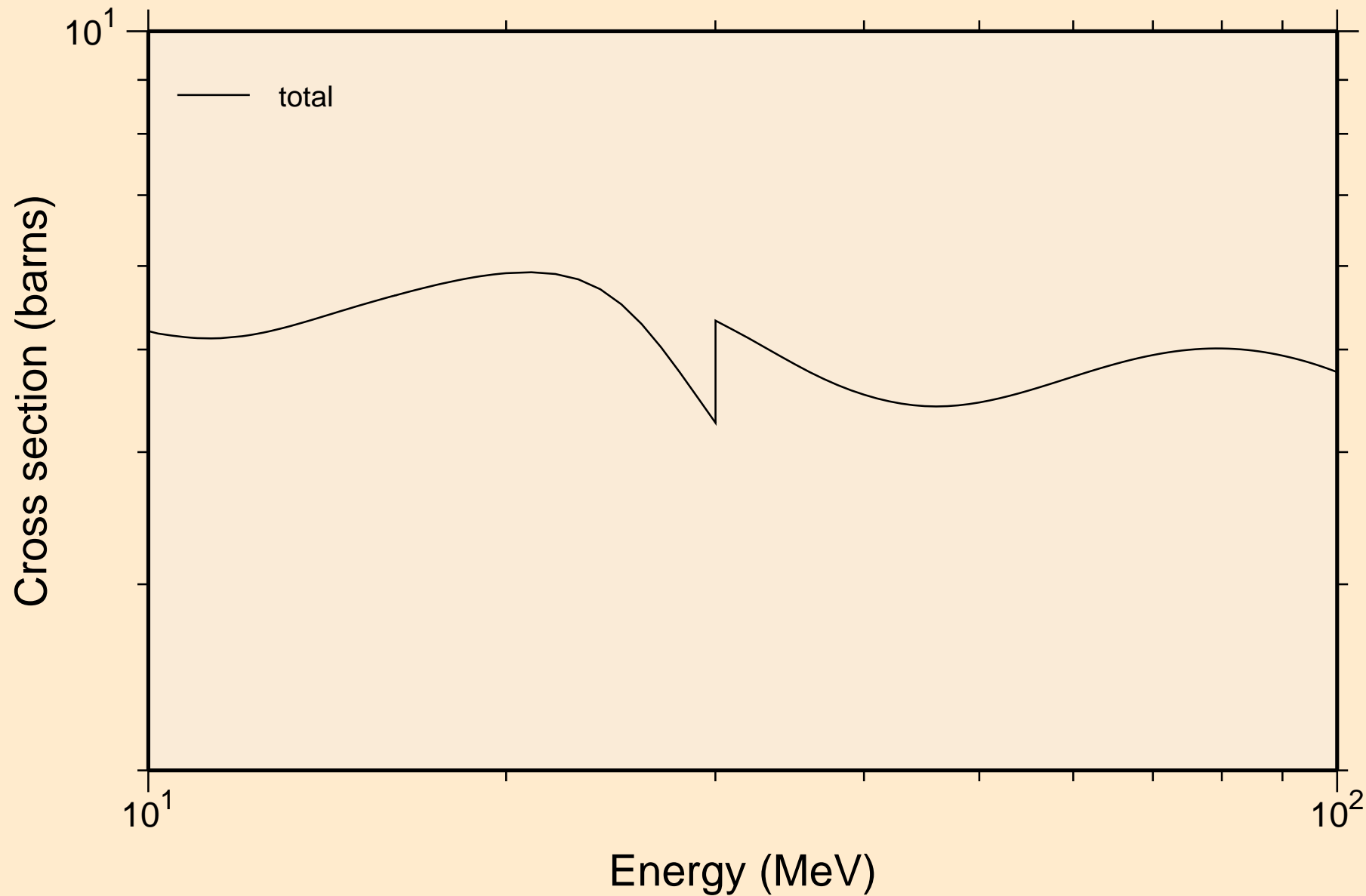
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resonance total cross section



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section

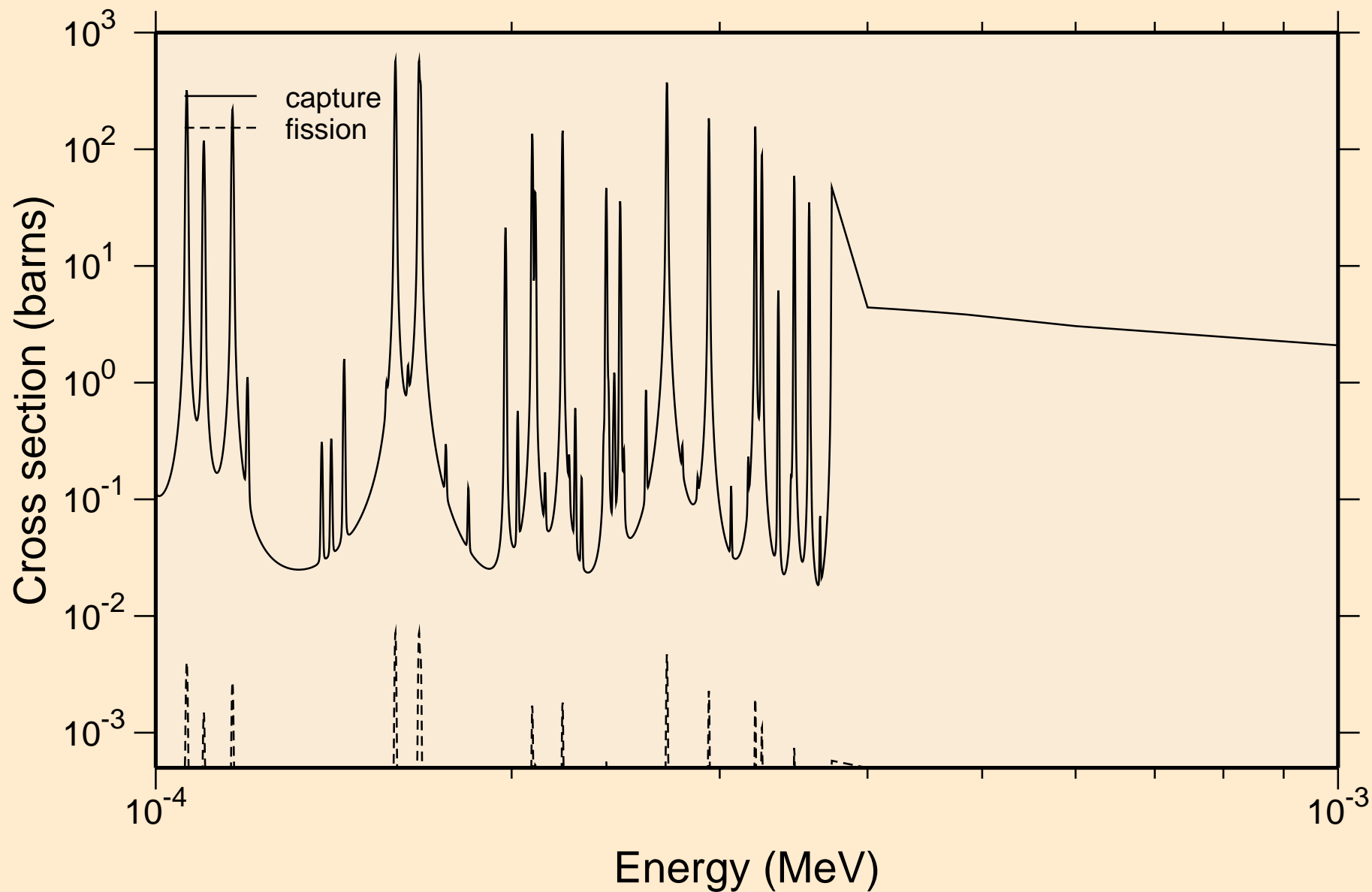


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resonance total cross section

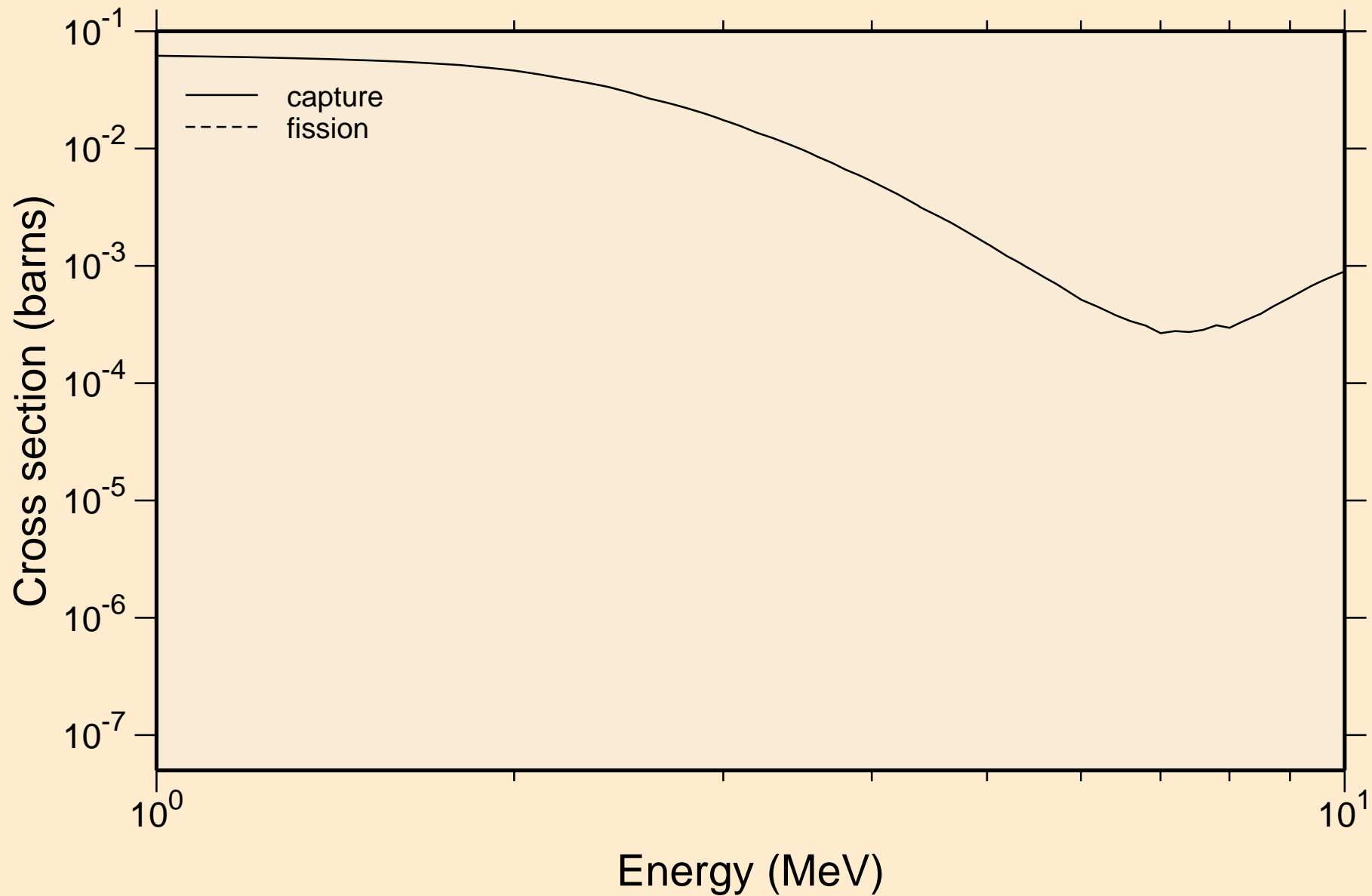




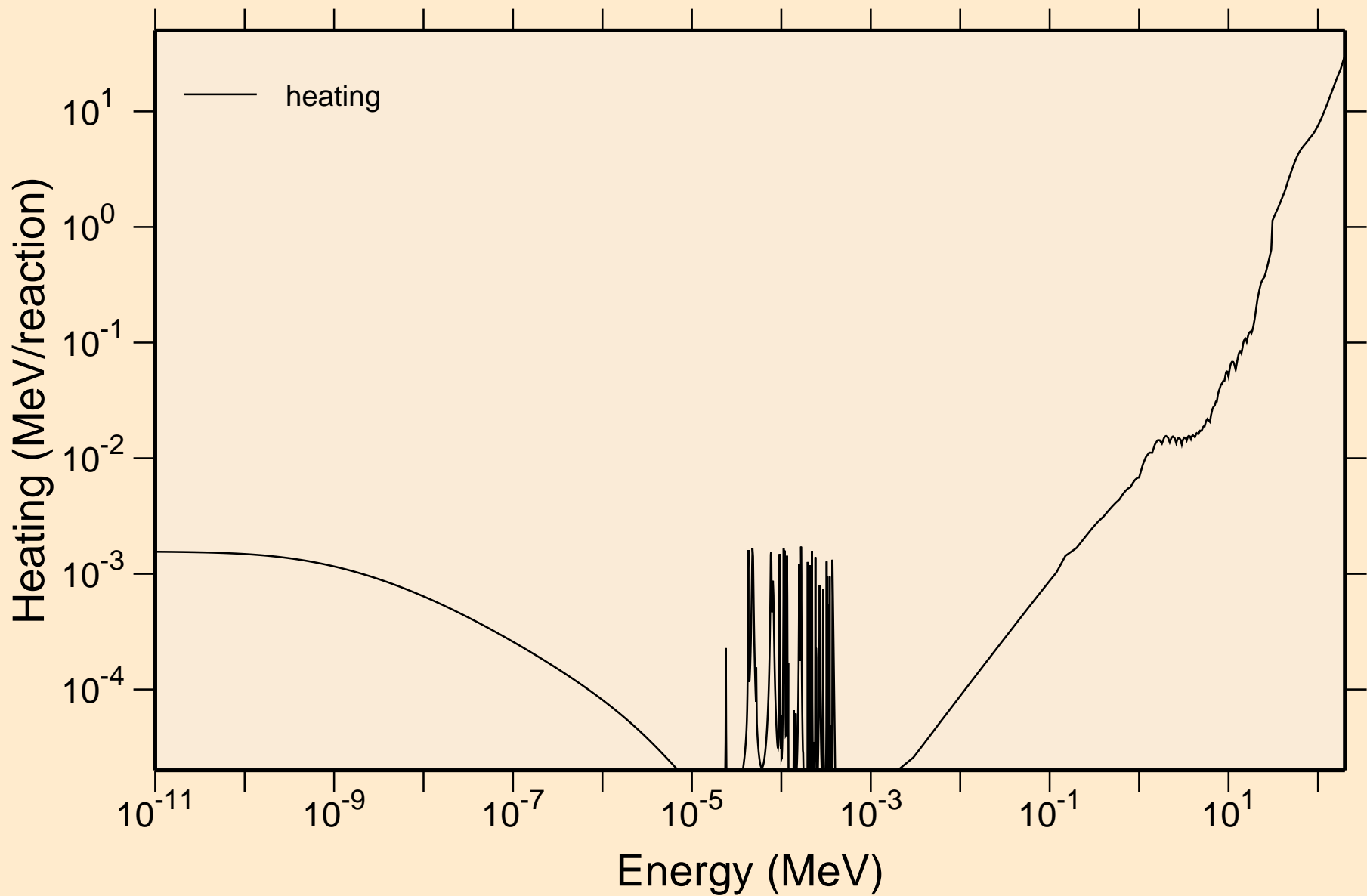
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resonance absorption cross sections



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



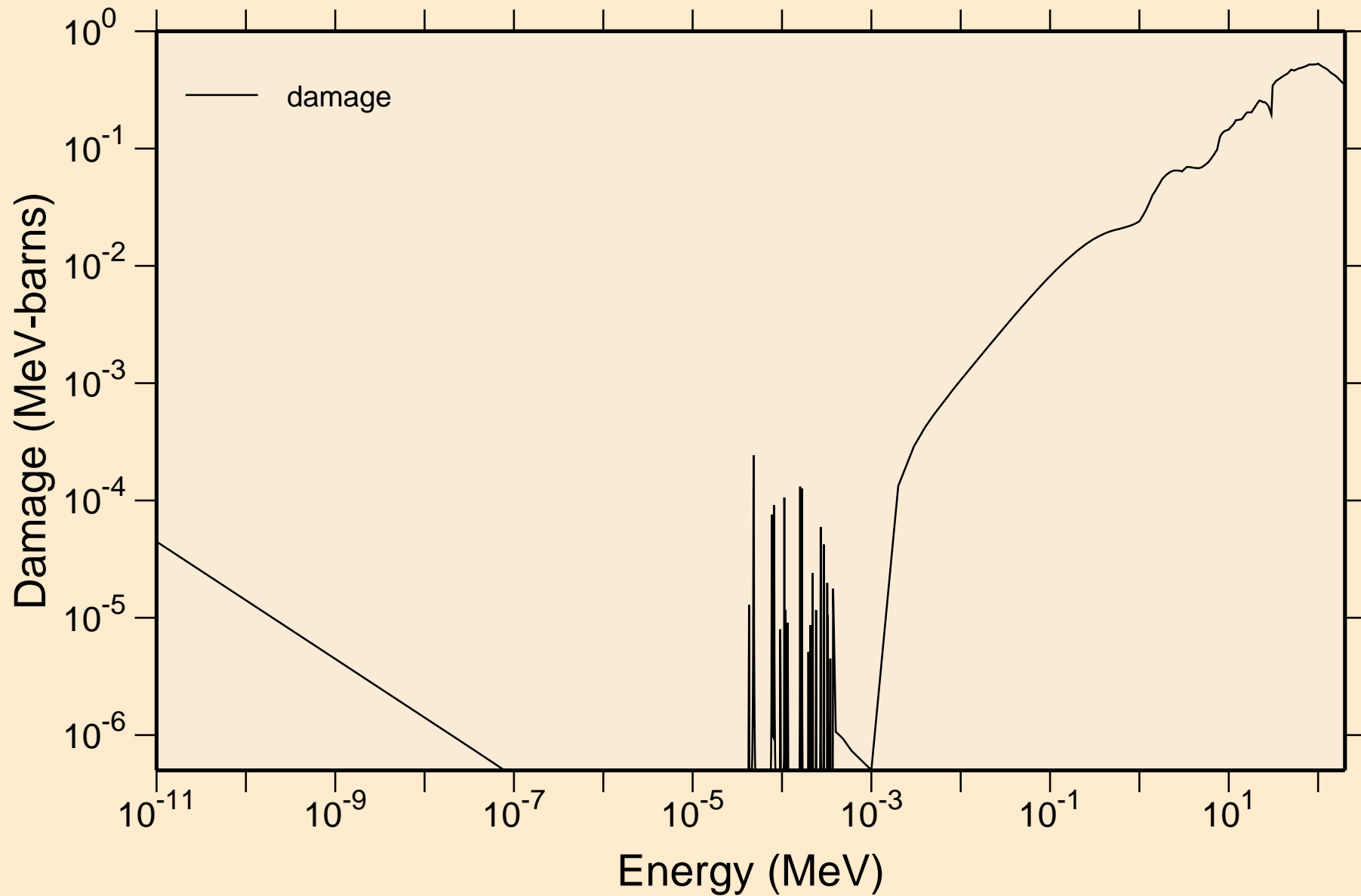
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Heating





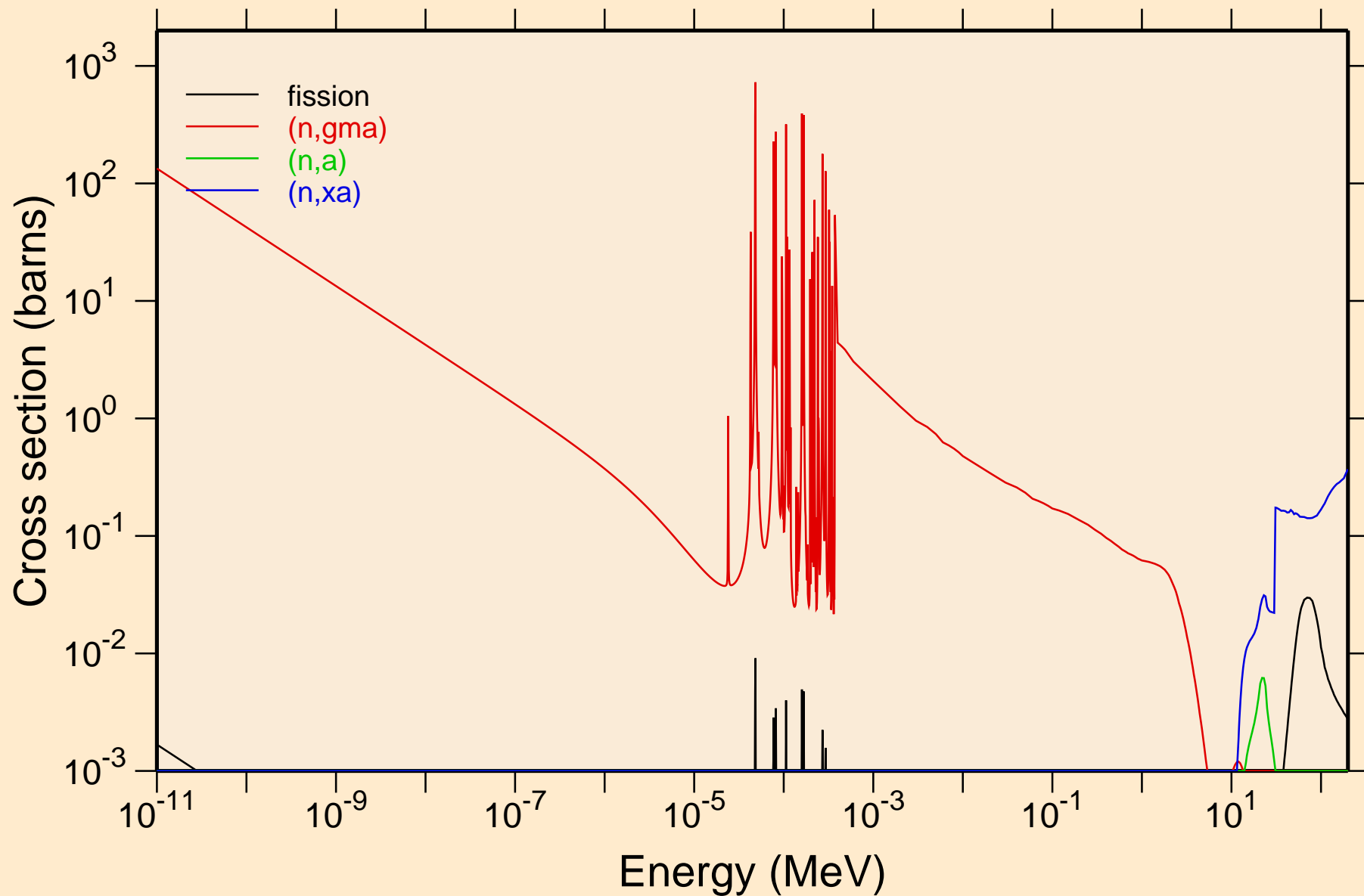
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## Damage

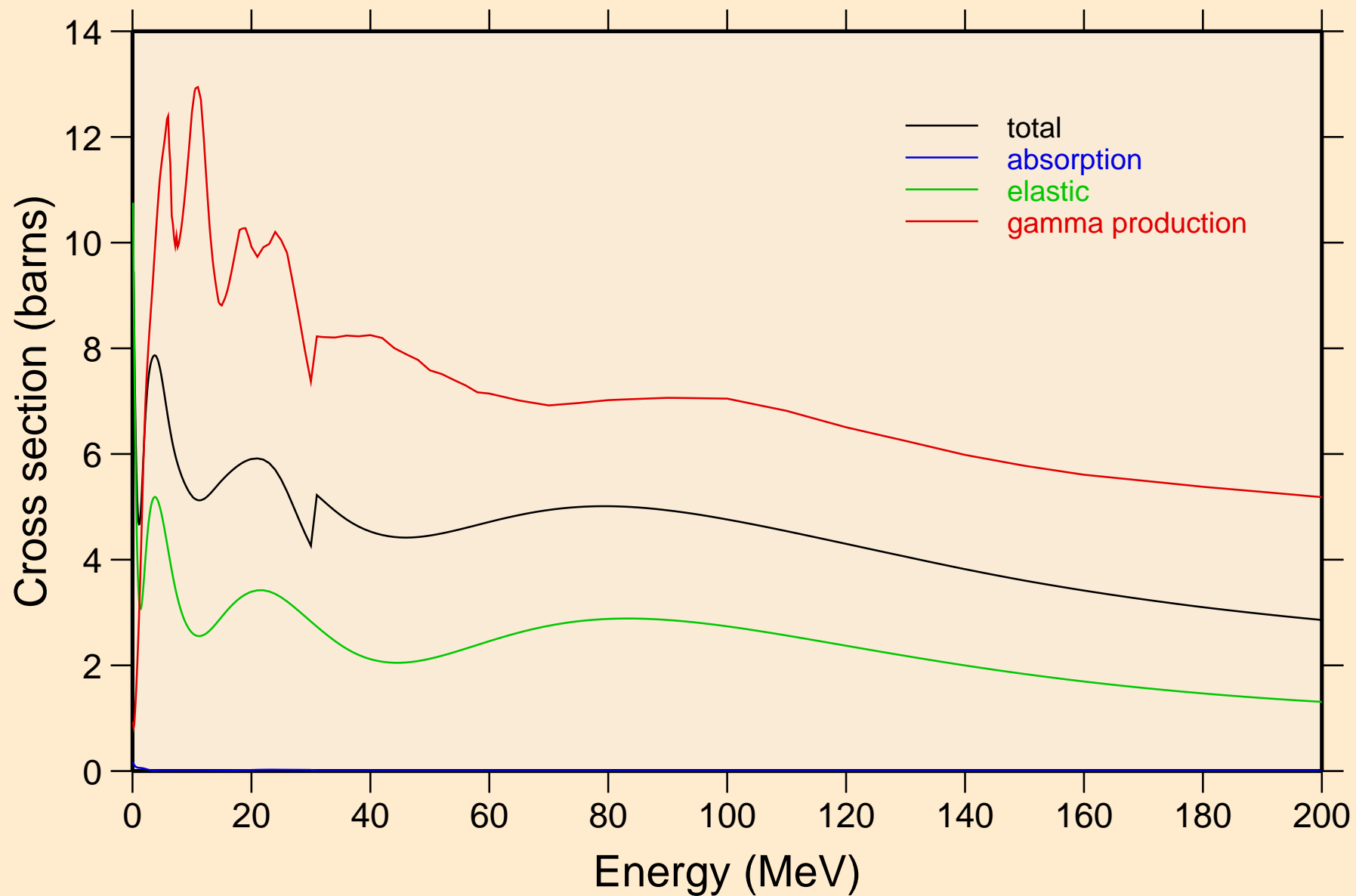


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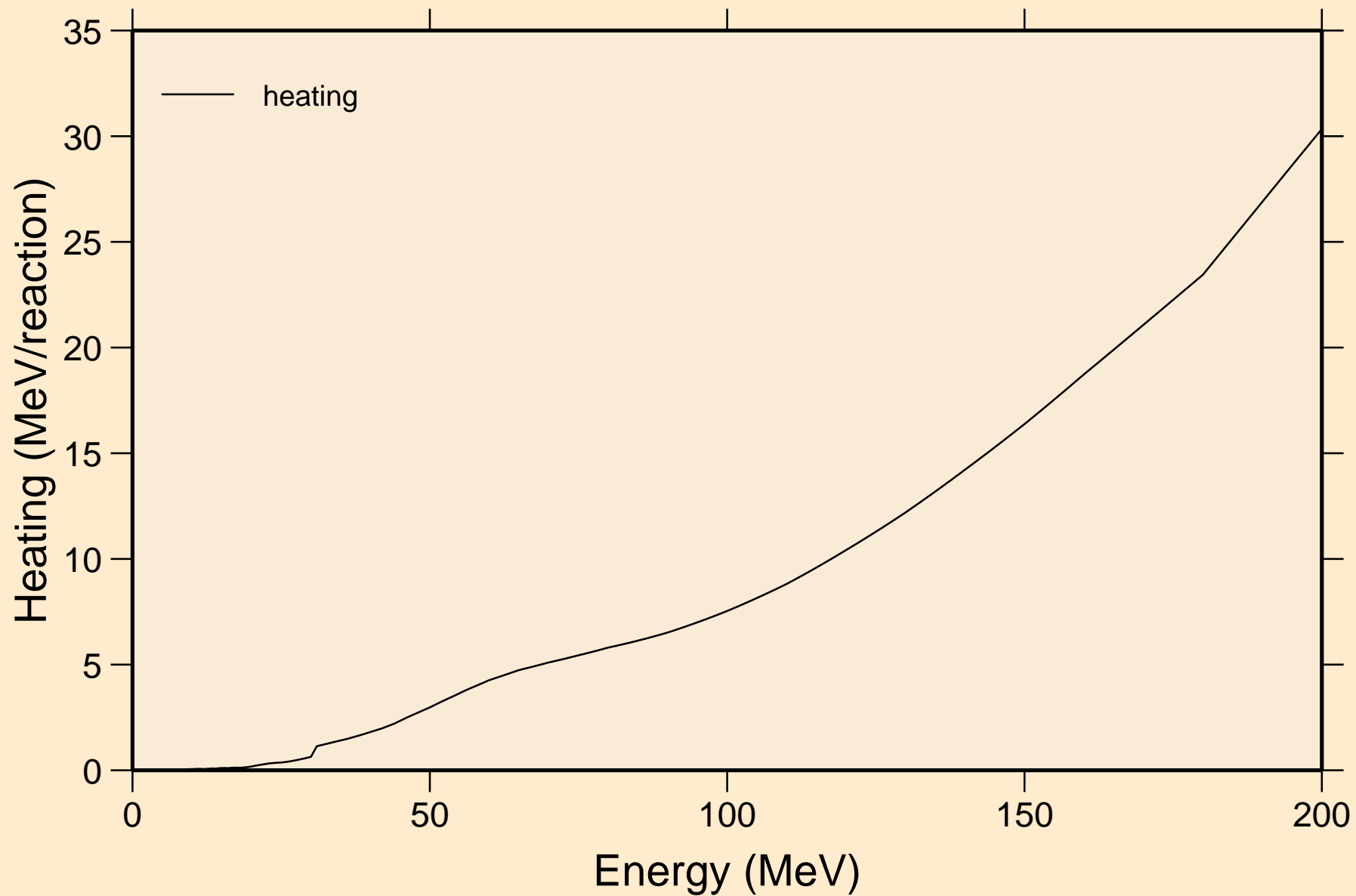
## Non-threshold reactions



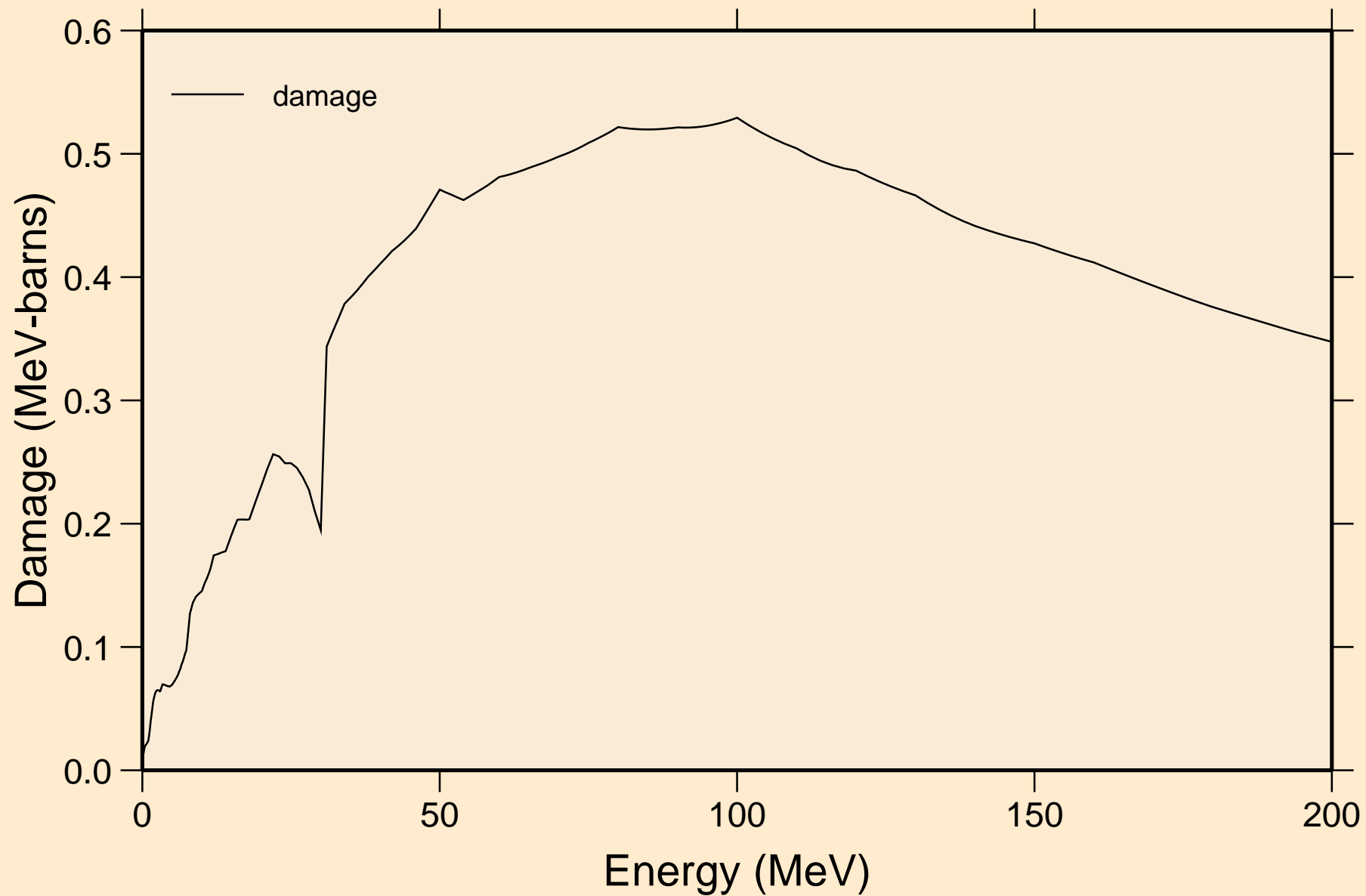
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Principal cross sections



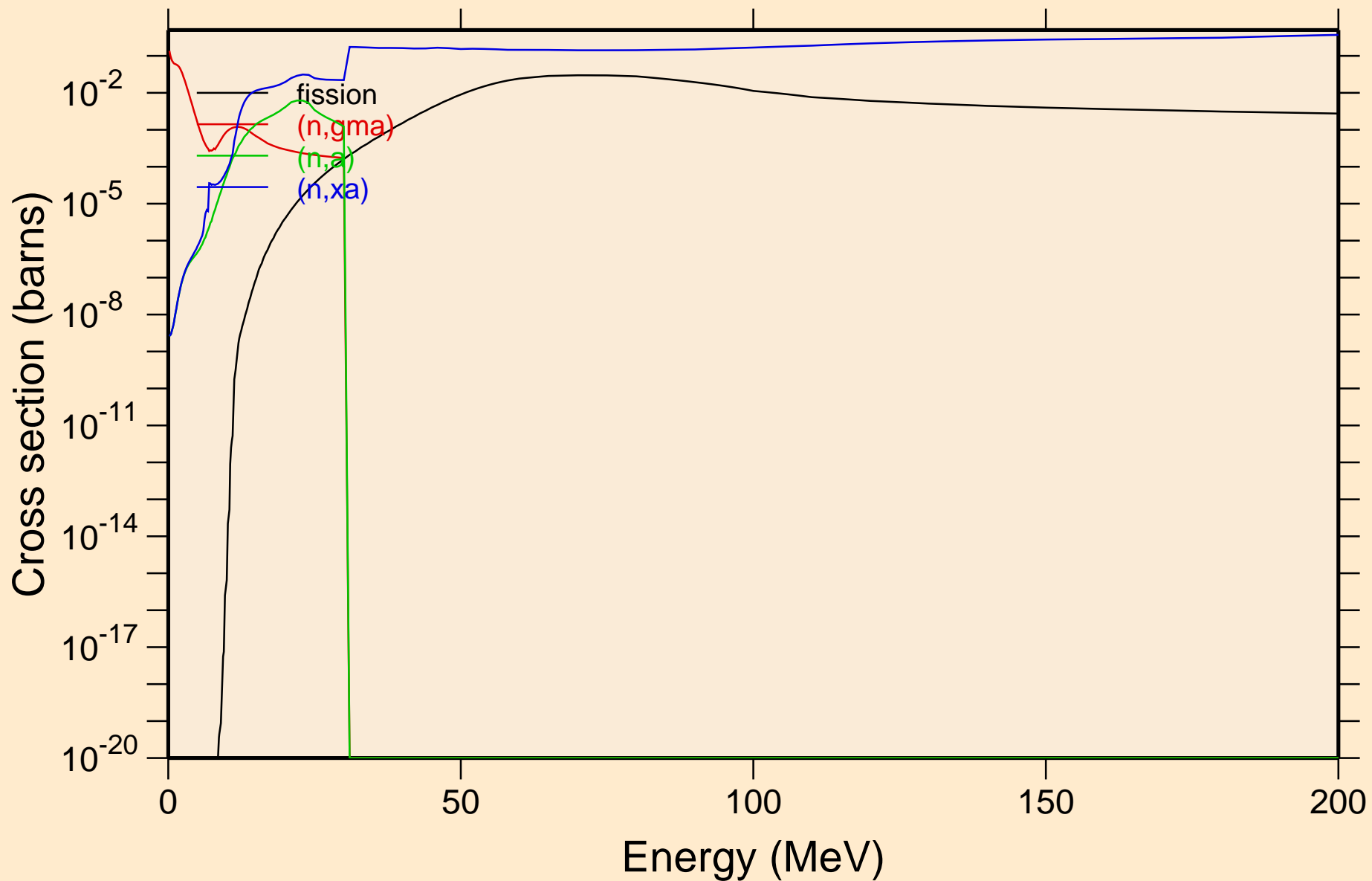
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Heating



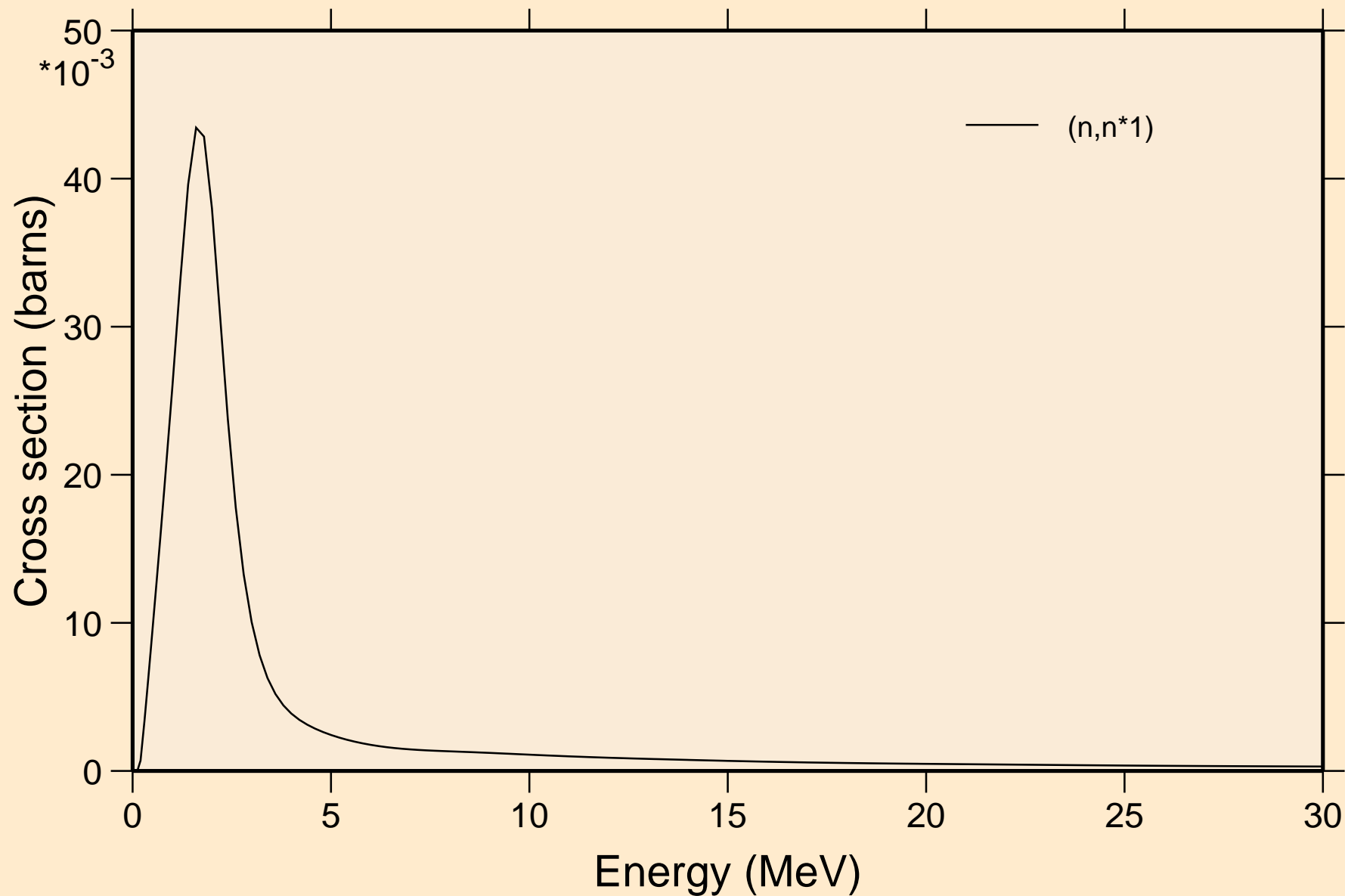
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Damage



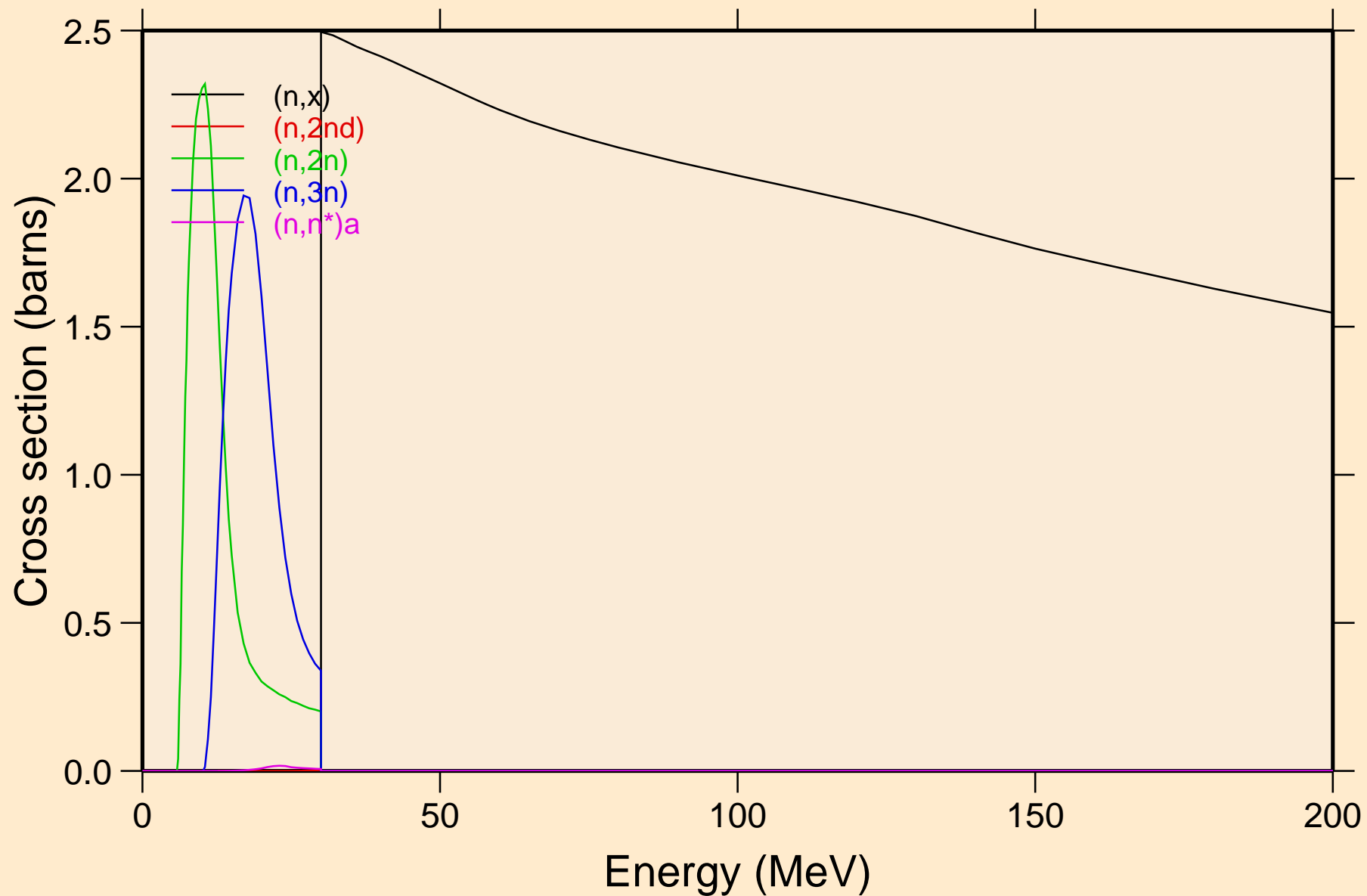
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Non-threshold reactions



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

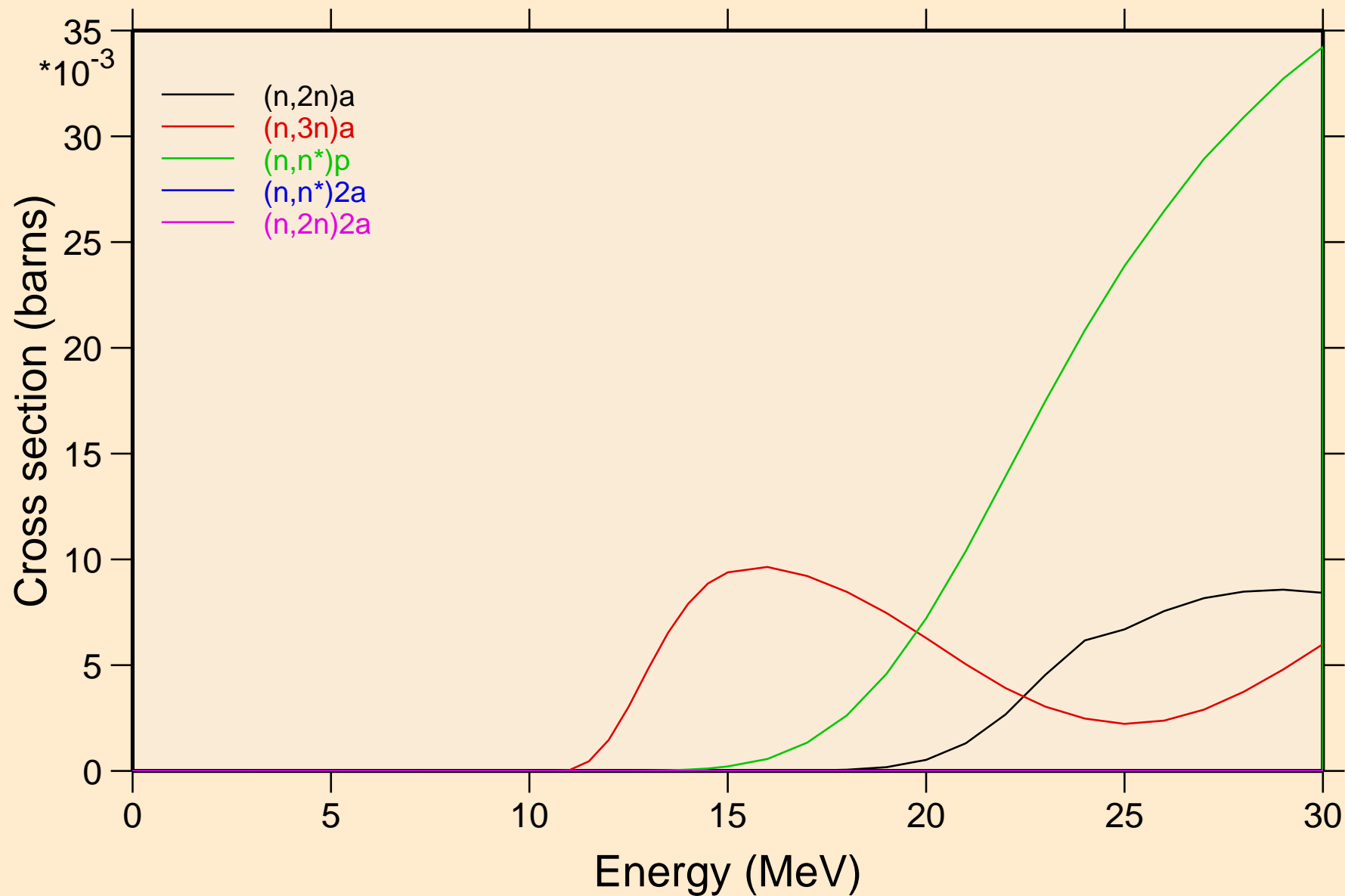


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Threshold reactions

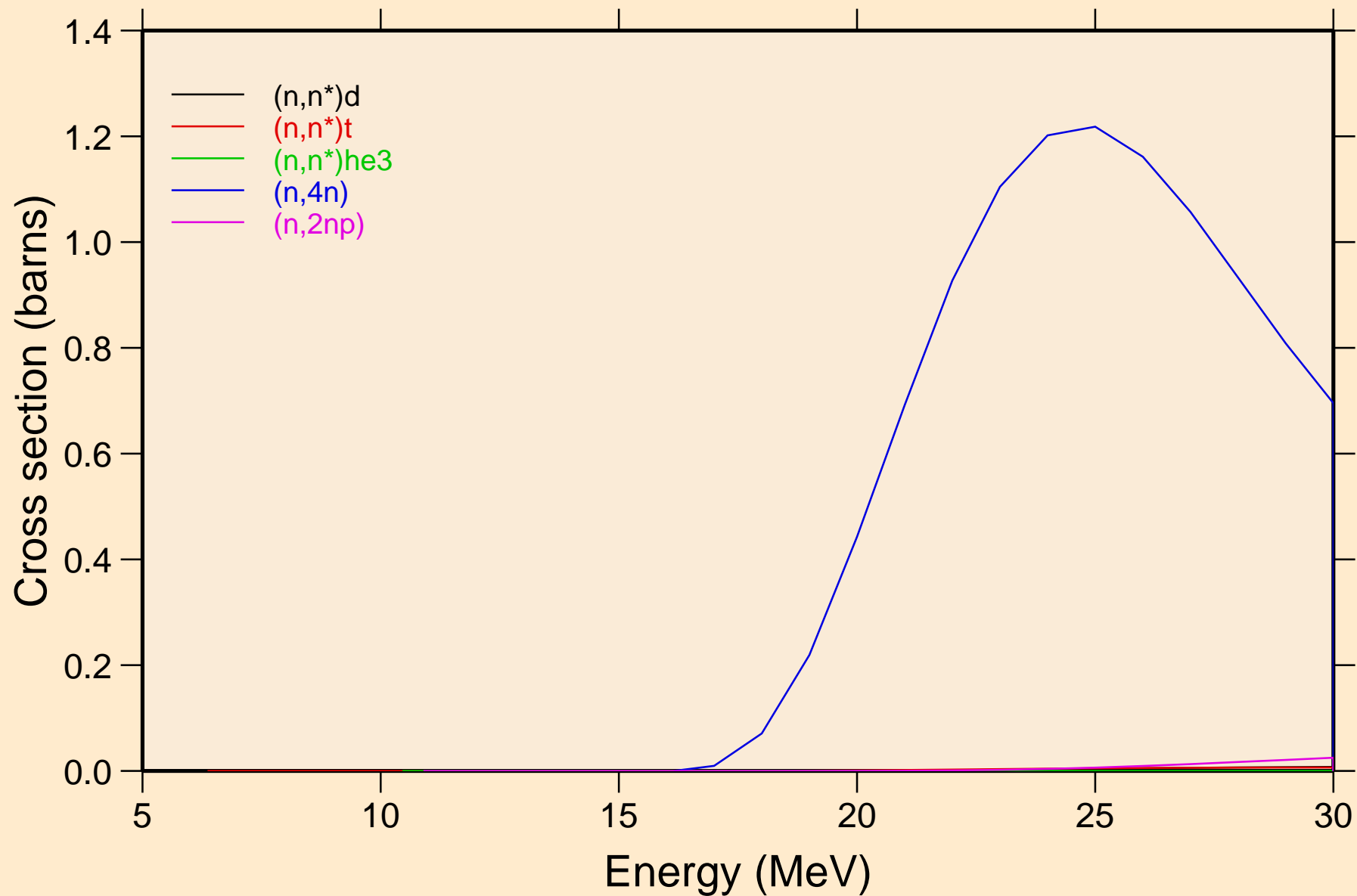




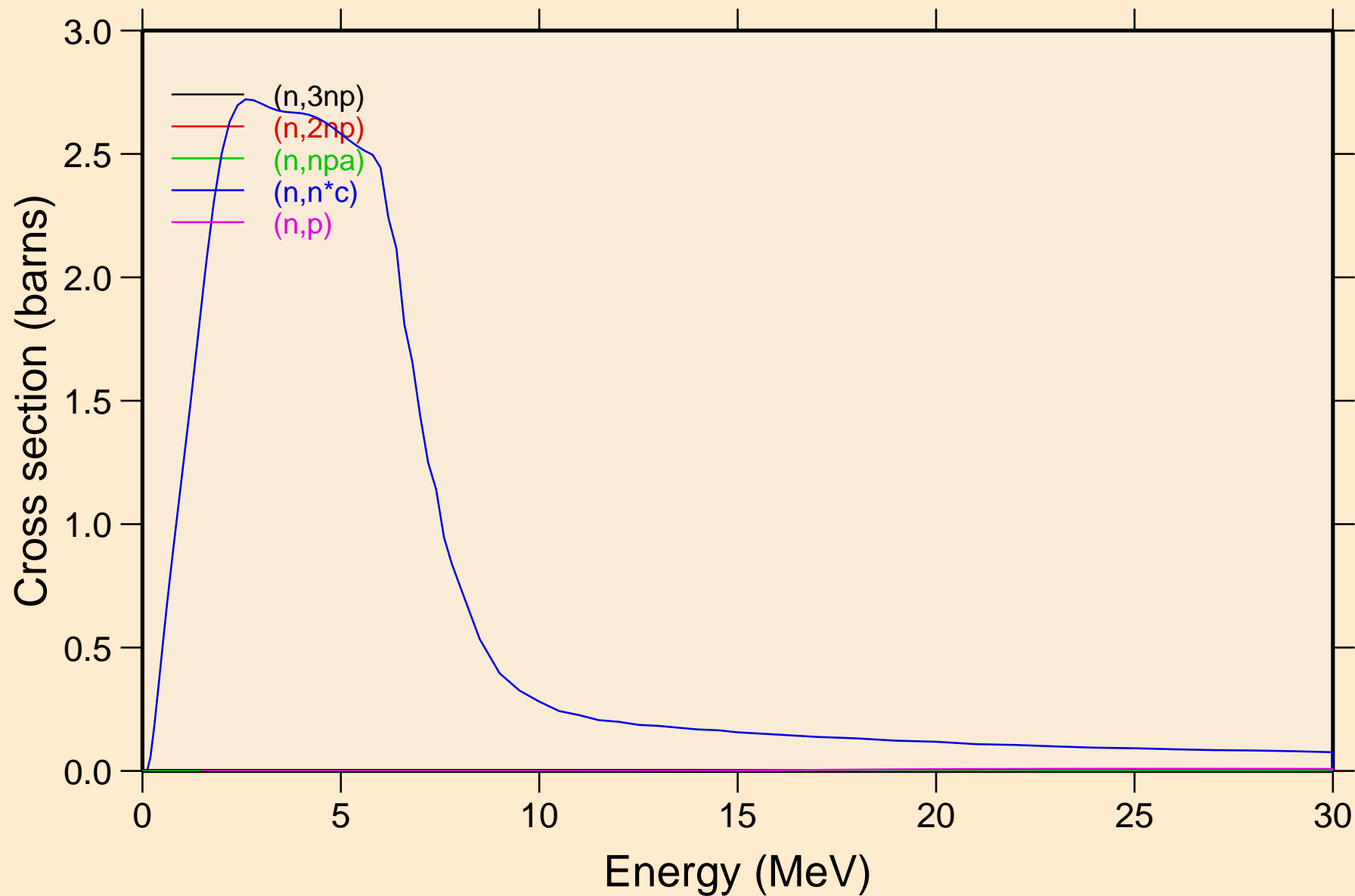
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Threshold reactions



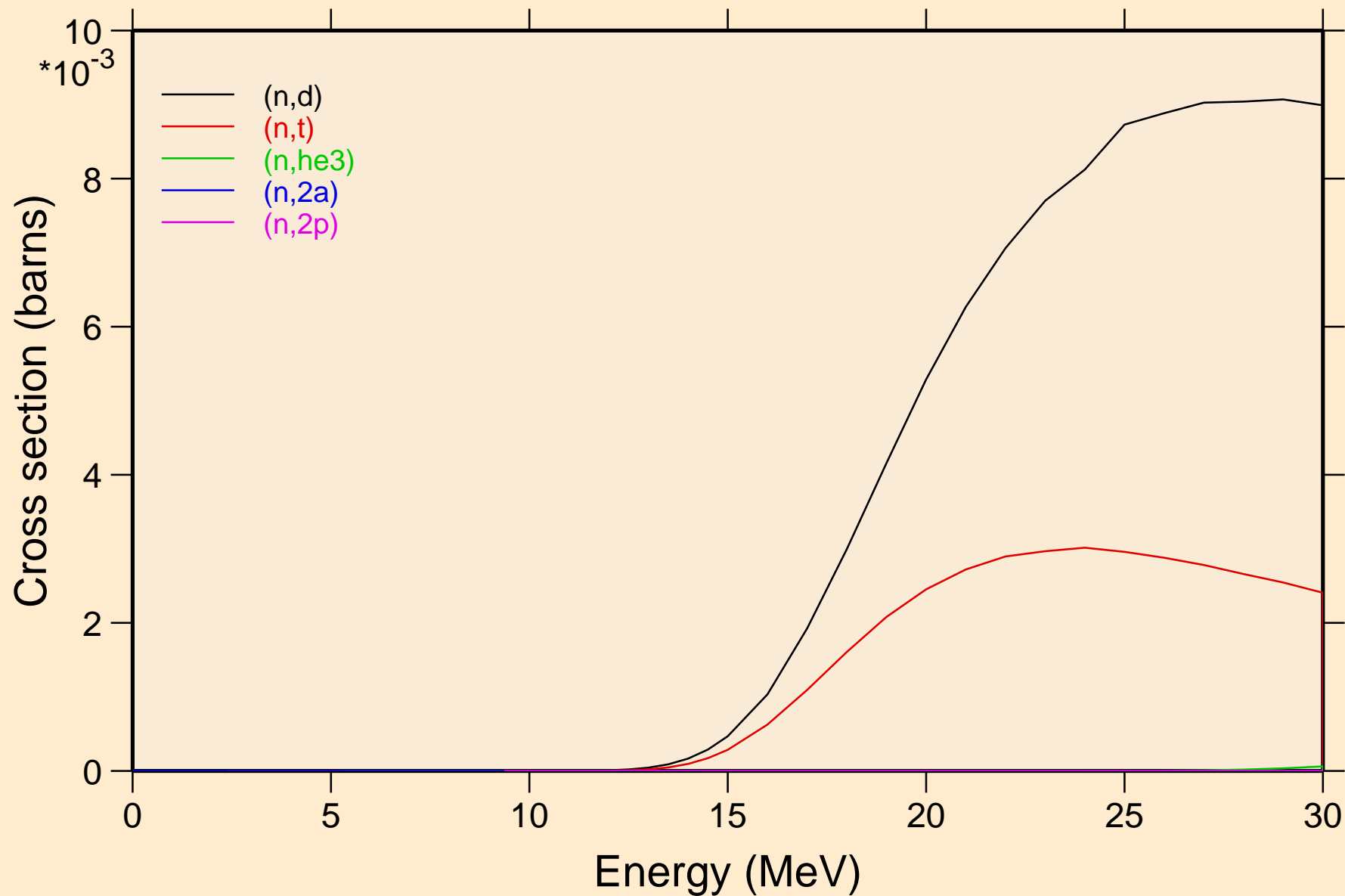
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Threshold reactions



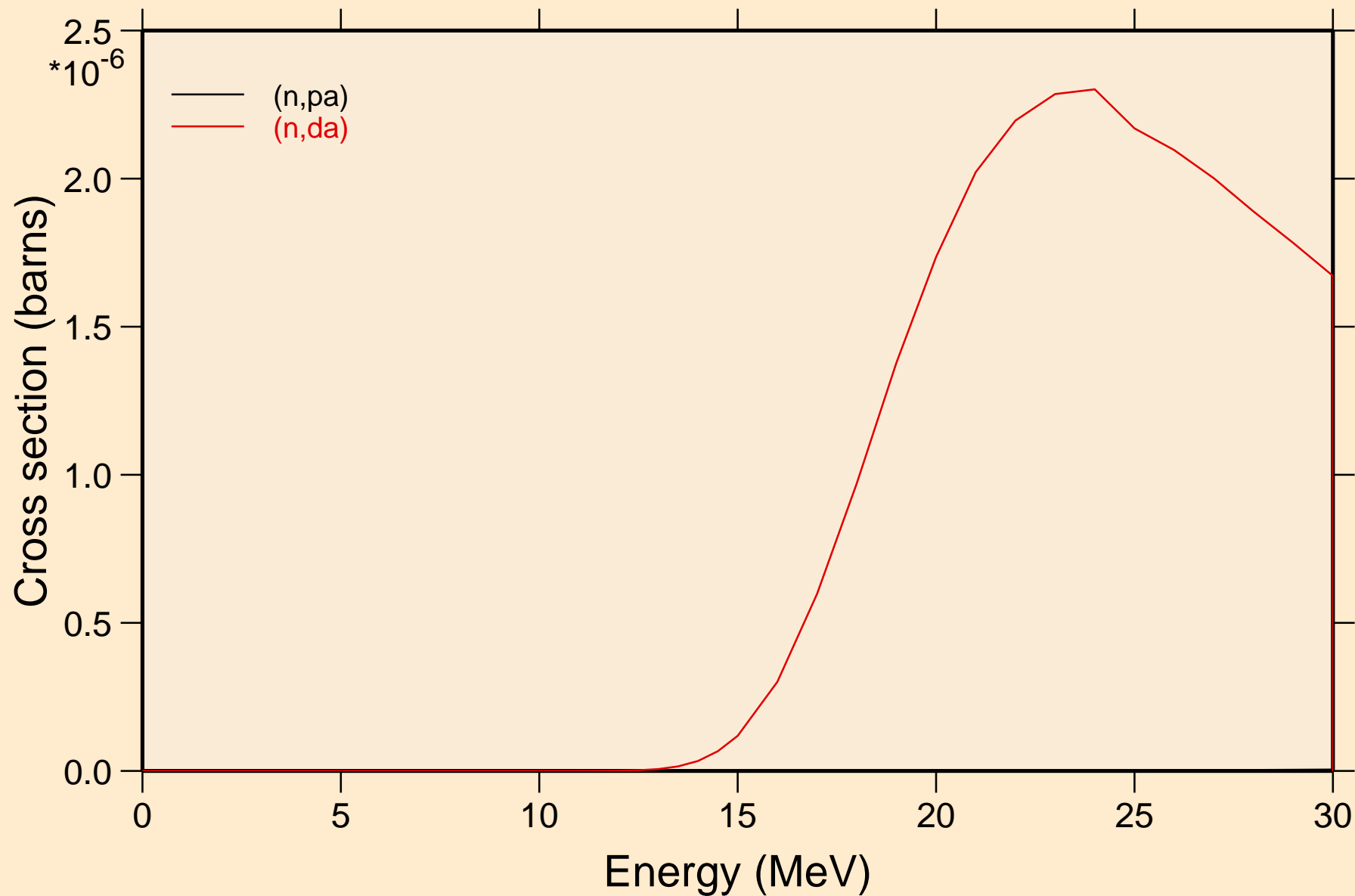
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Threshold reactions



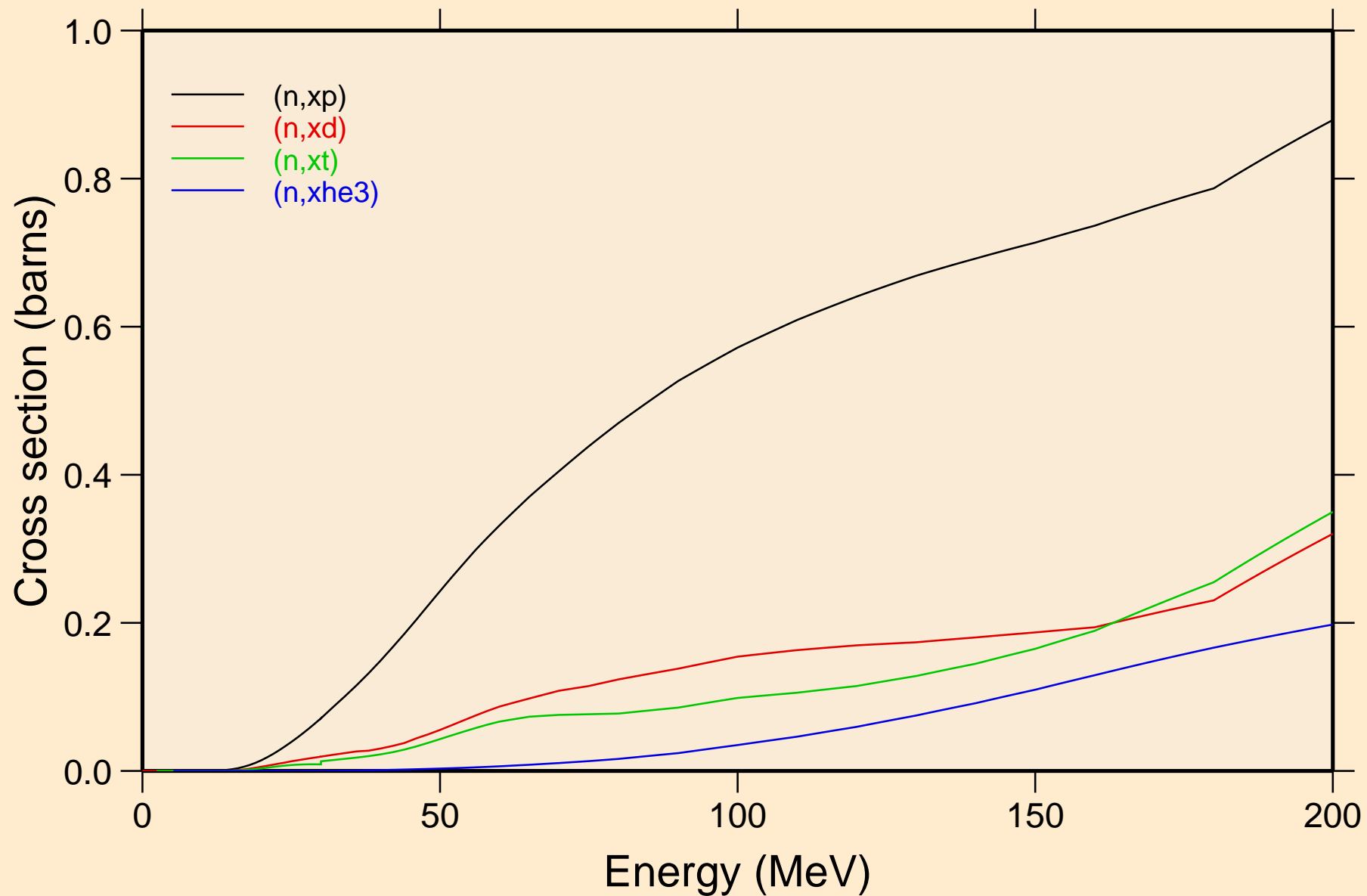
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Threshold reactions



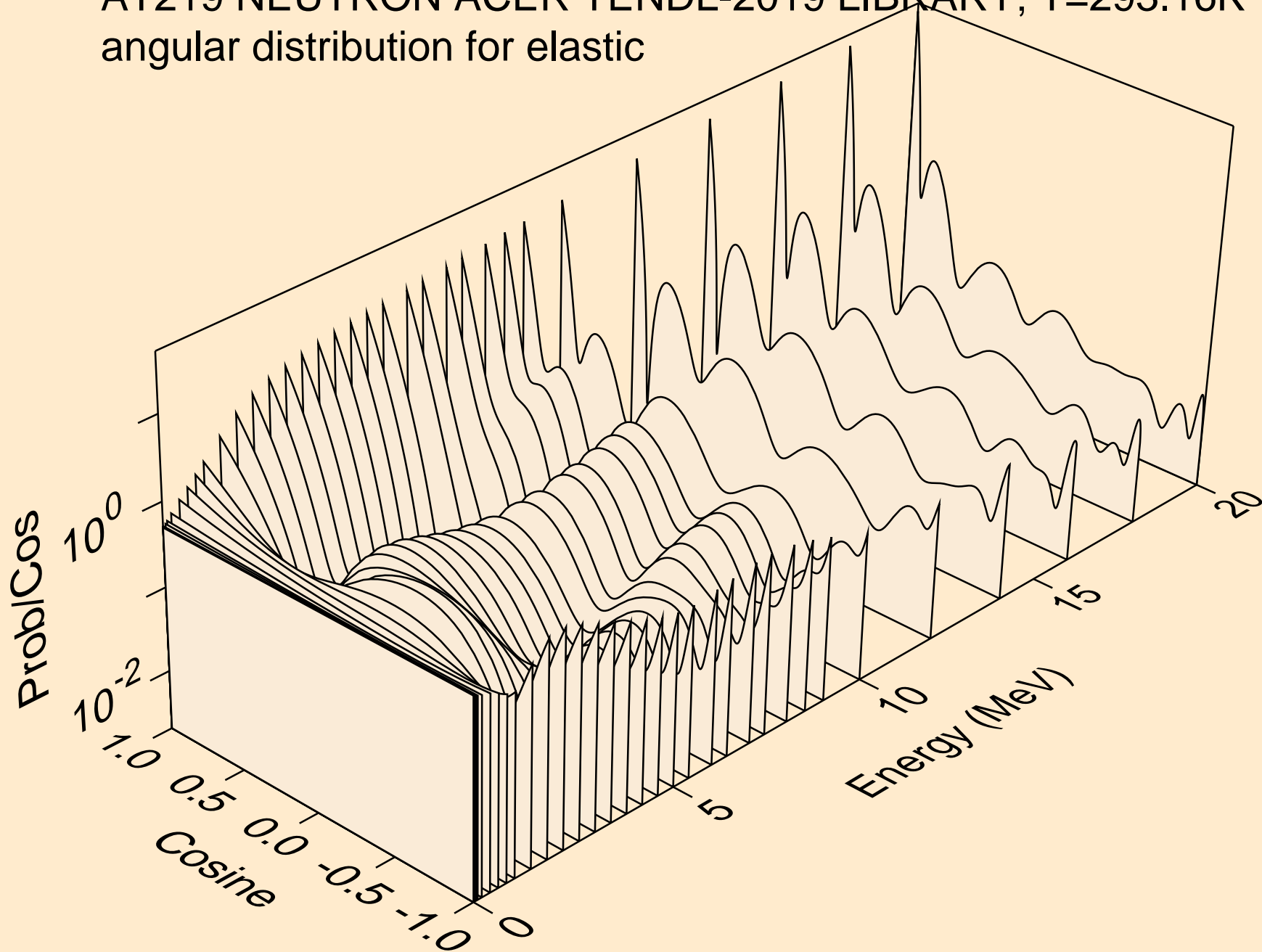
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Threshold reactions



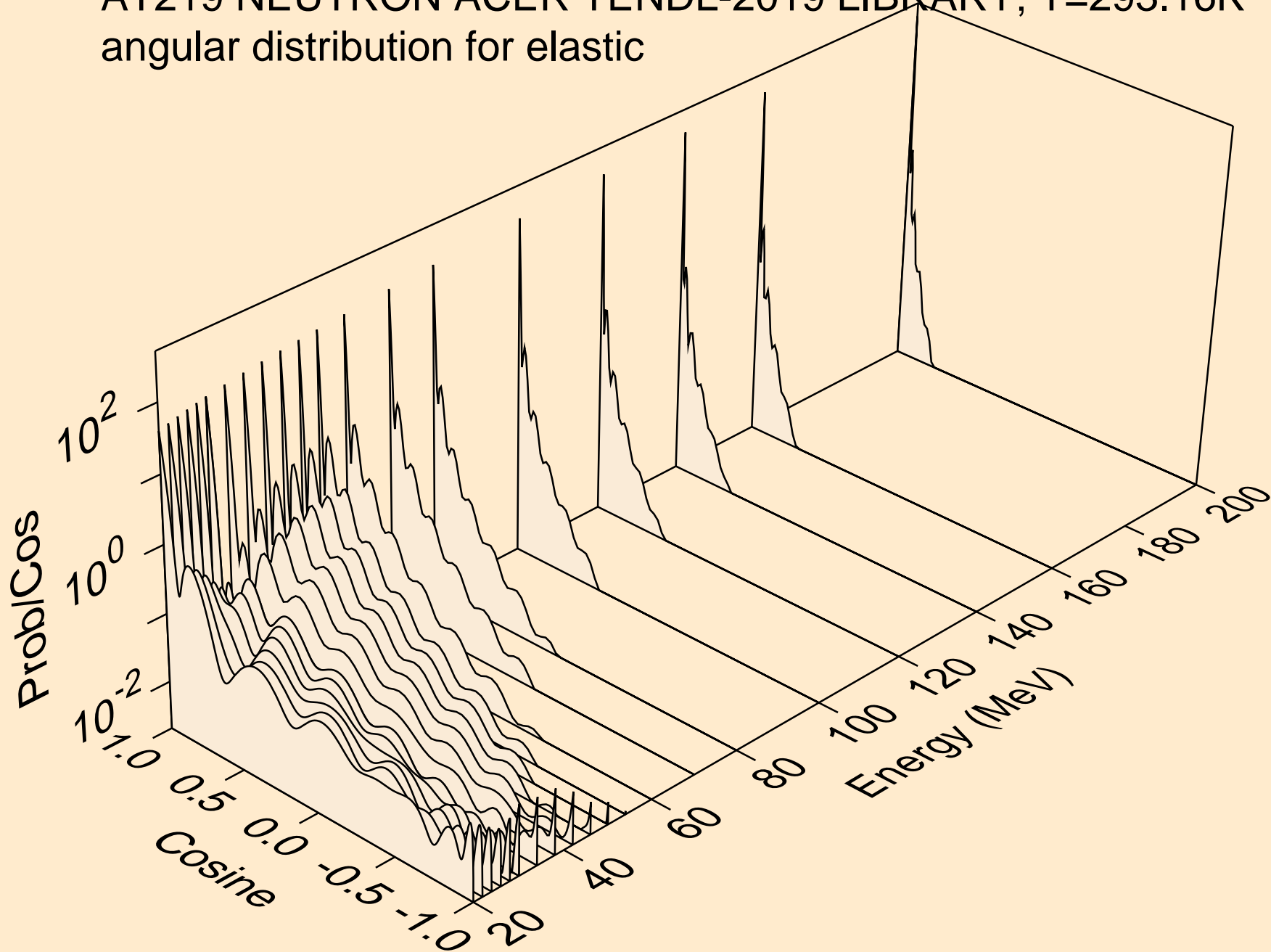
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Threshold reactions



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

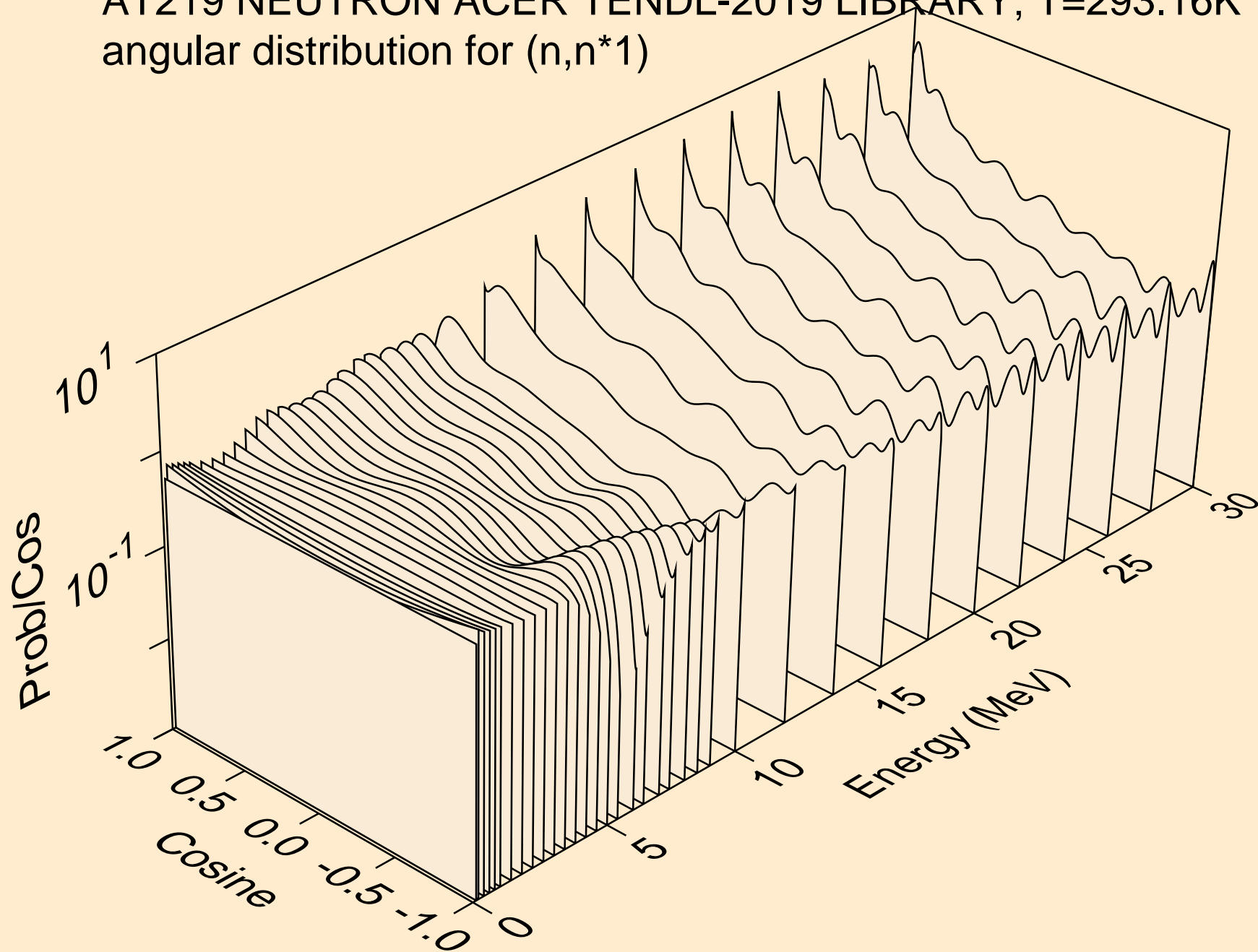


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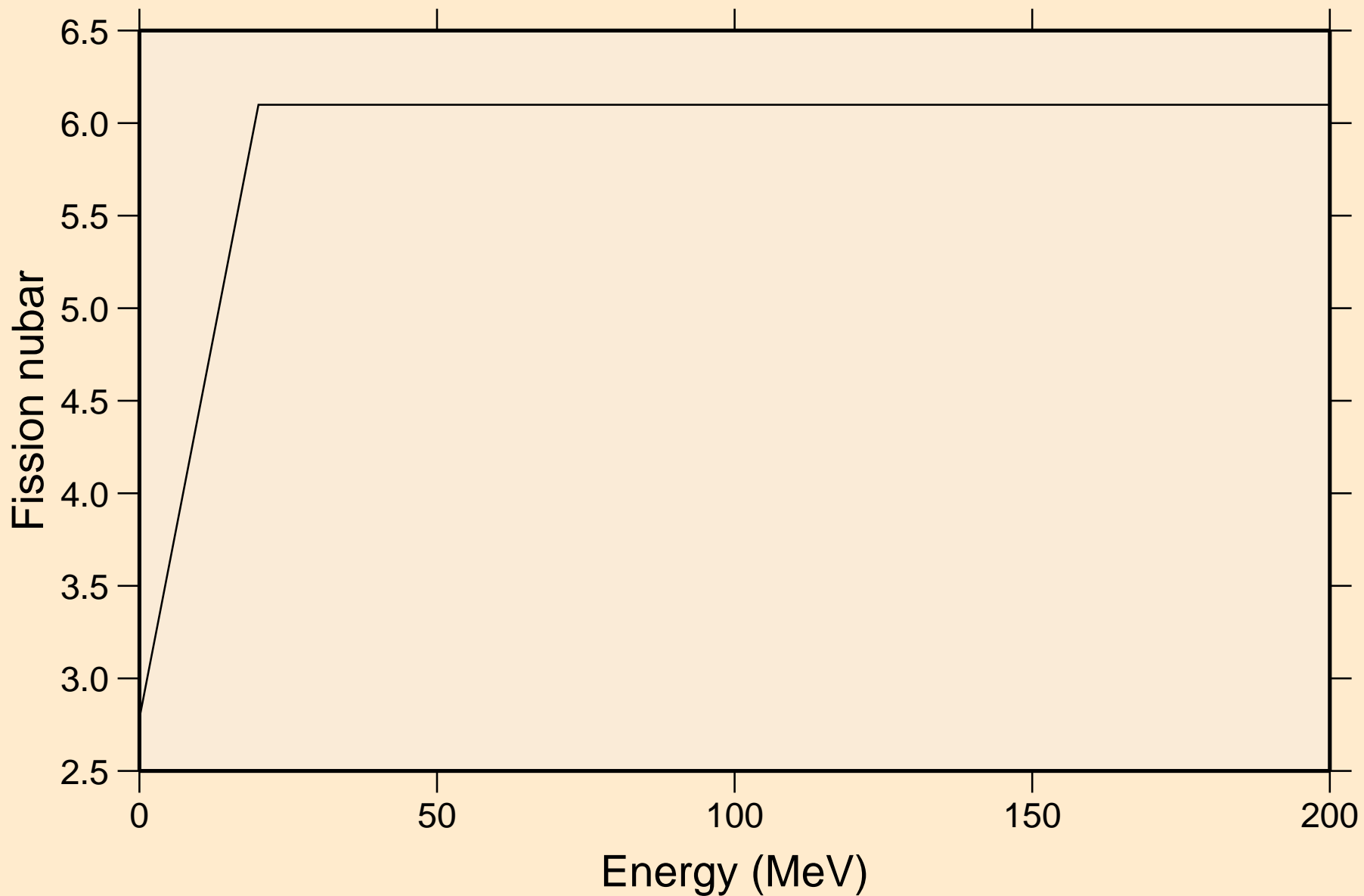




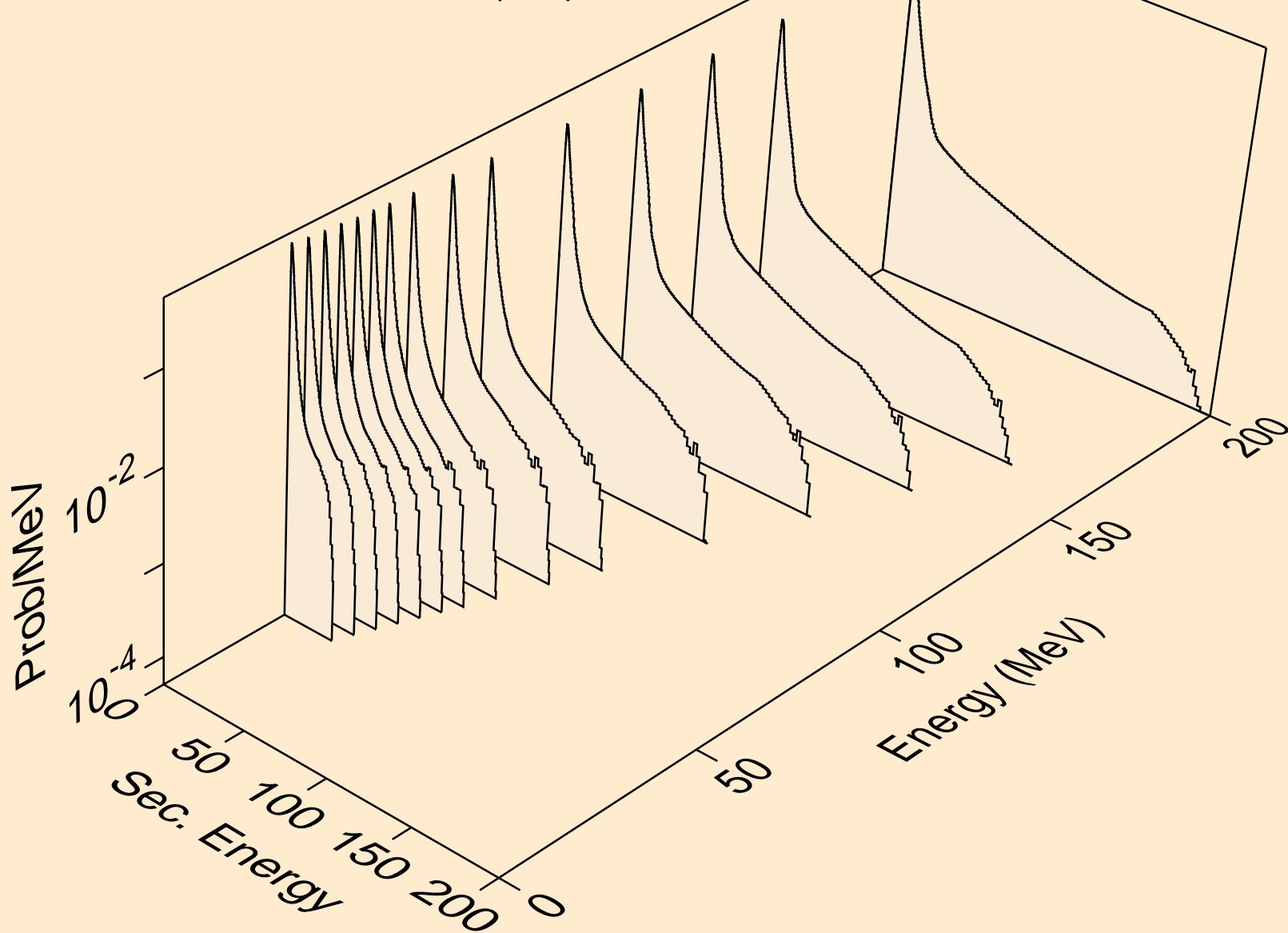
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angular distribution for (n,n\*1)



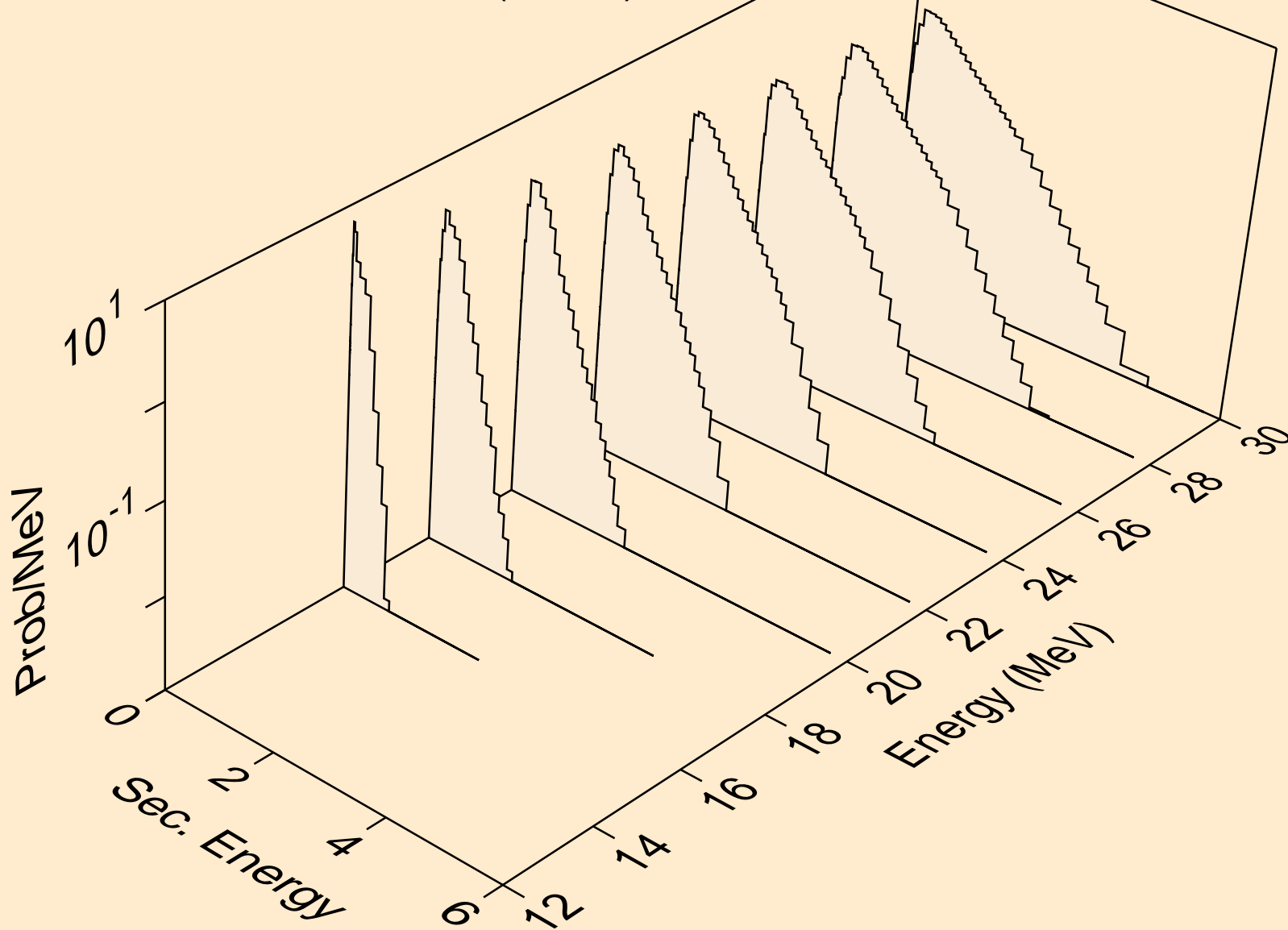
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Total fission nubar



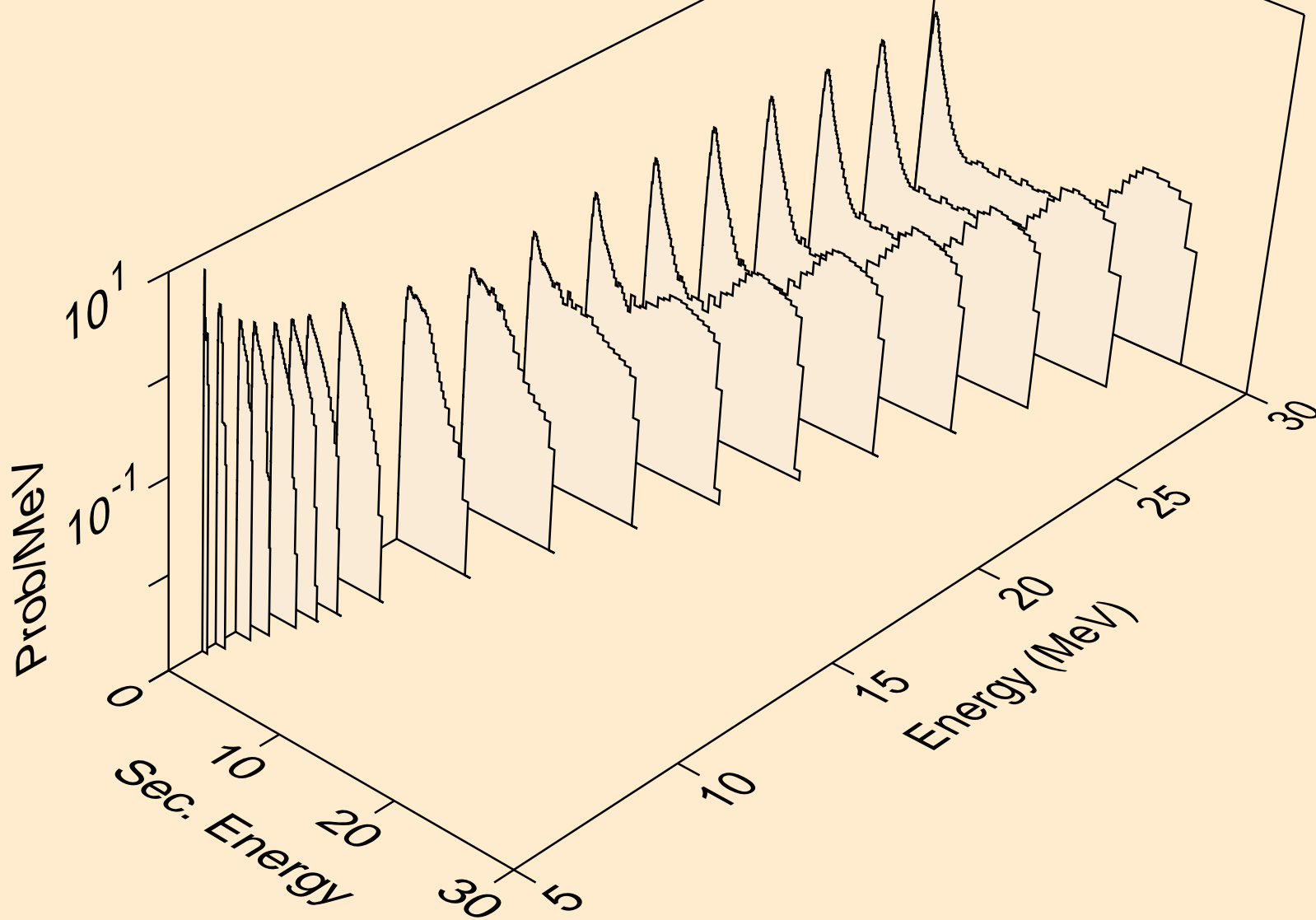
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Neutron emission for (n,x)



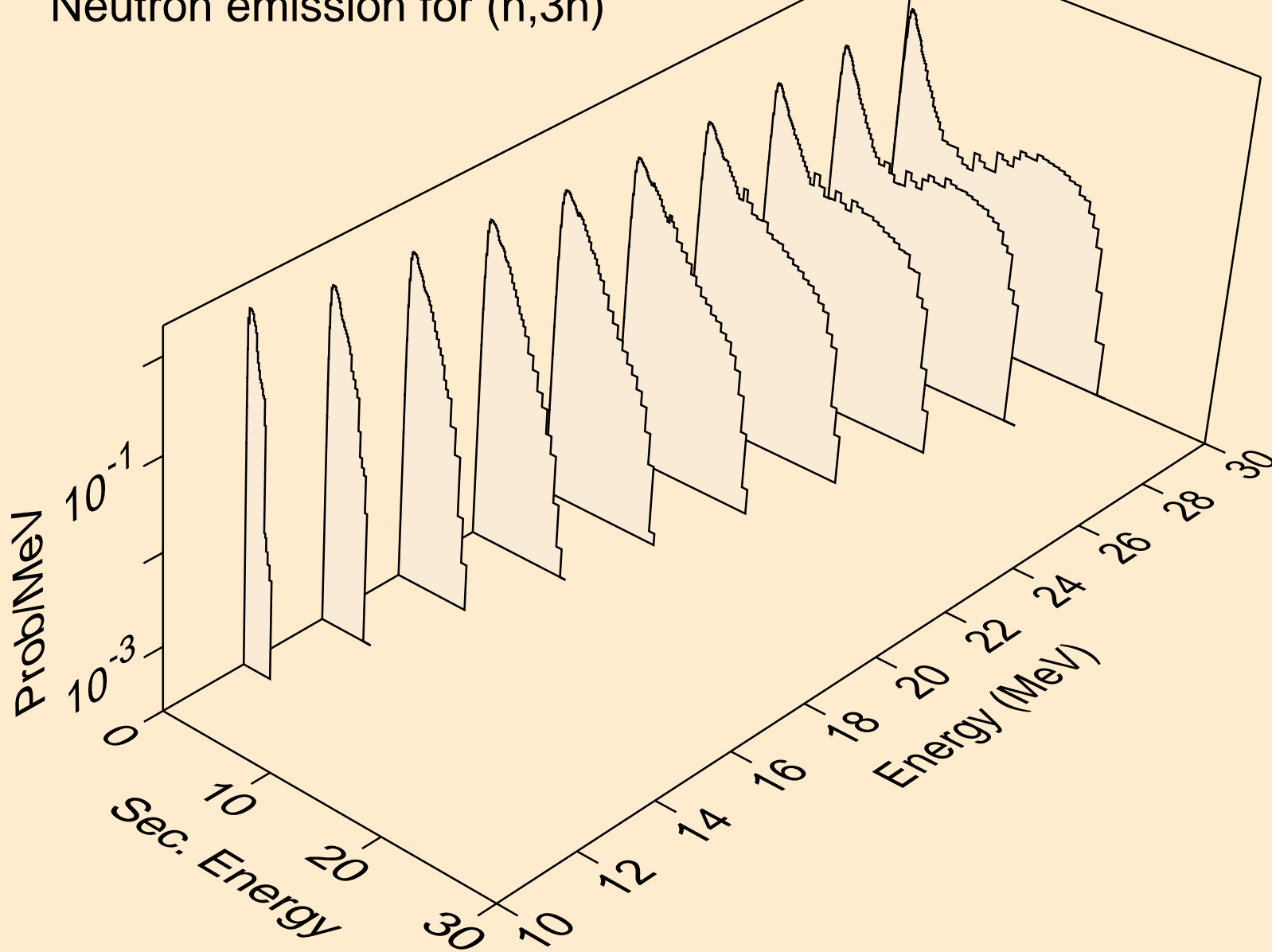
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Neutron emission for (n,2nd)



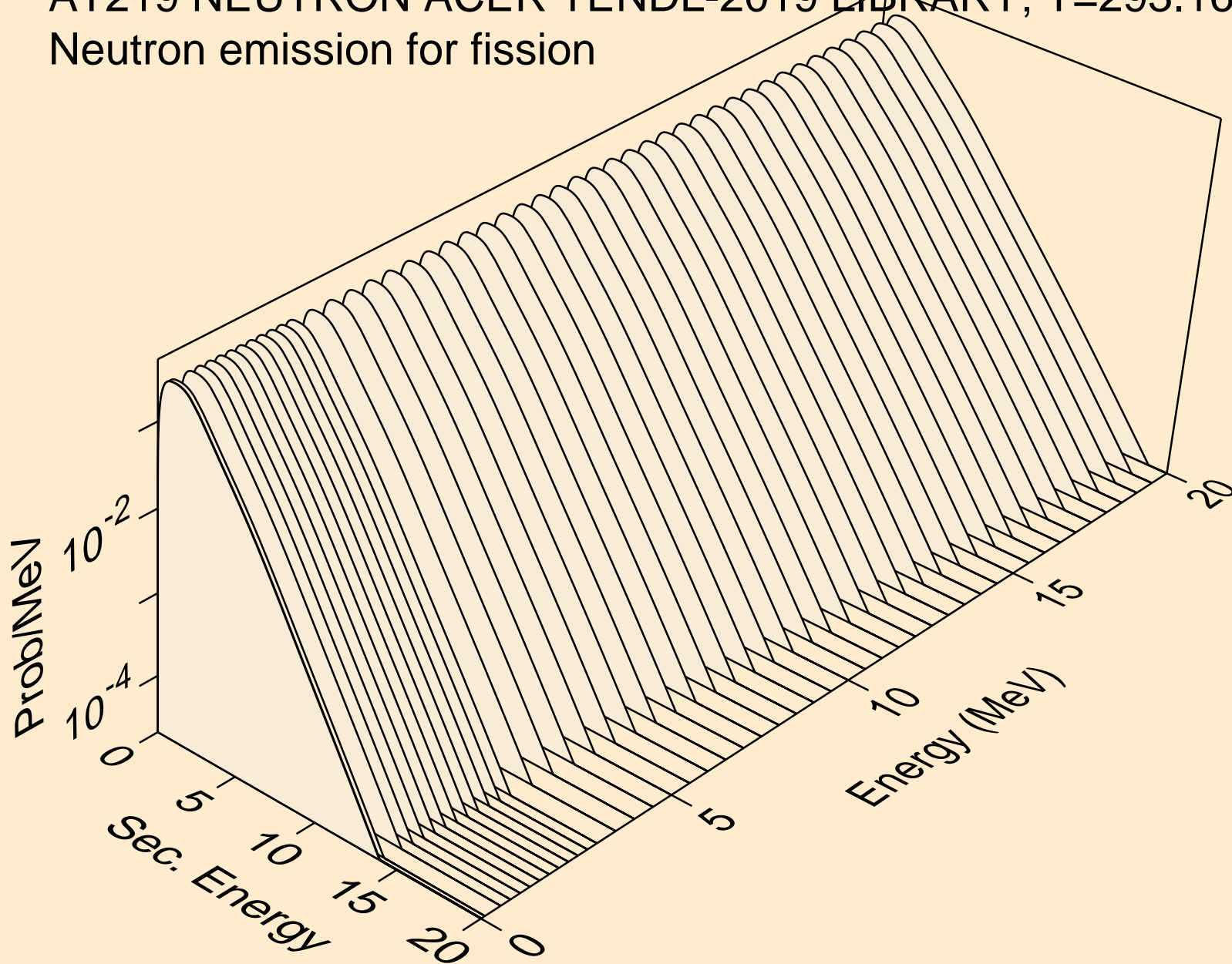
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Neutron emission for (n,2n)



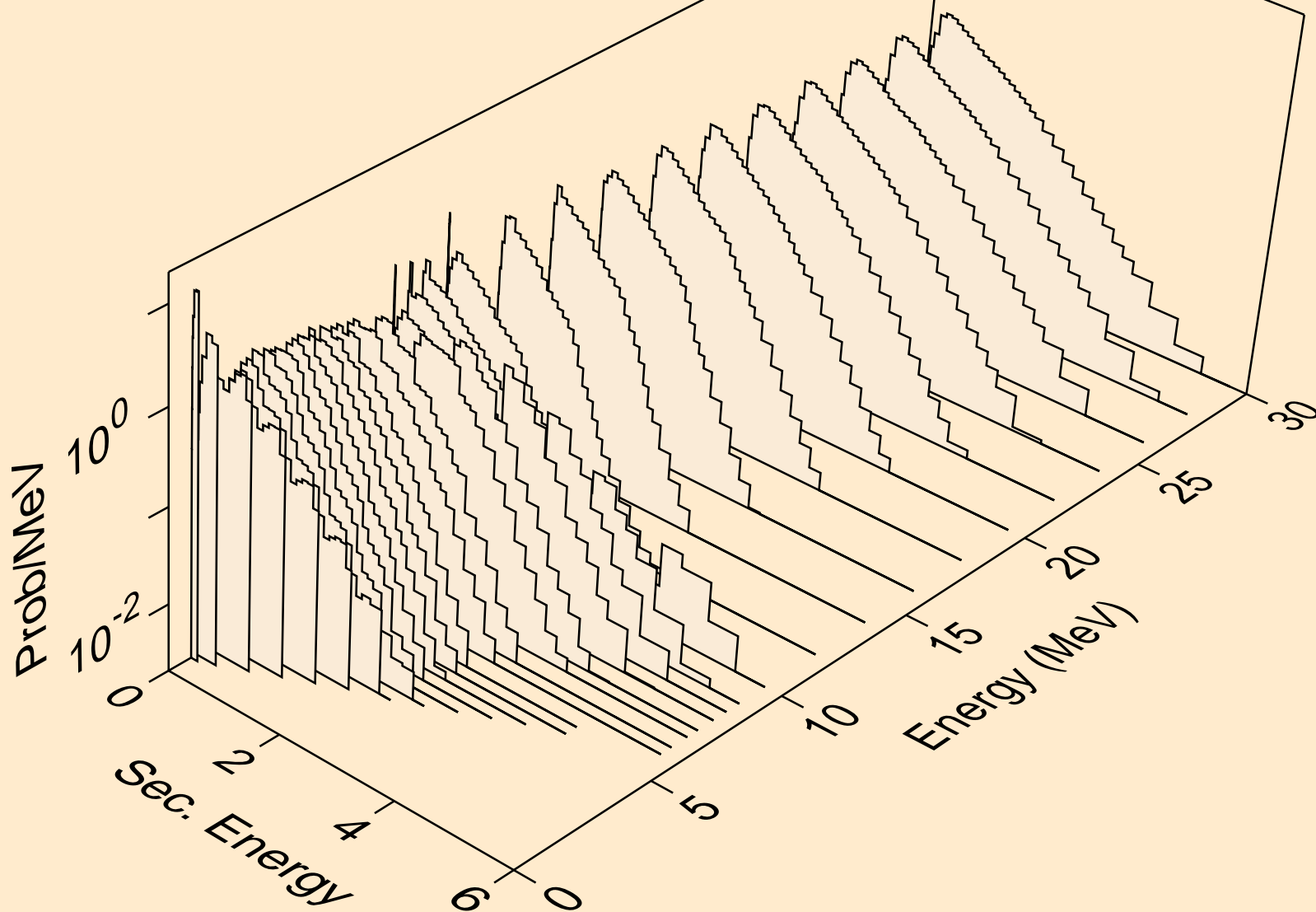
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission

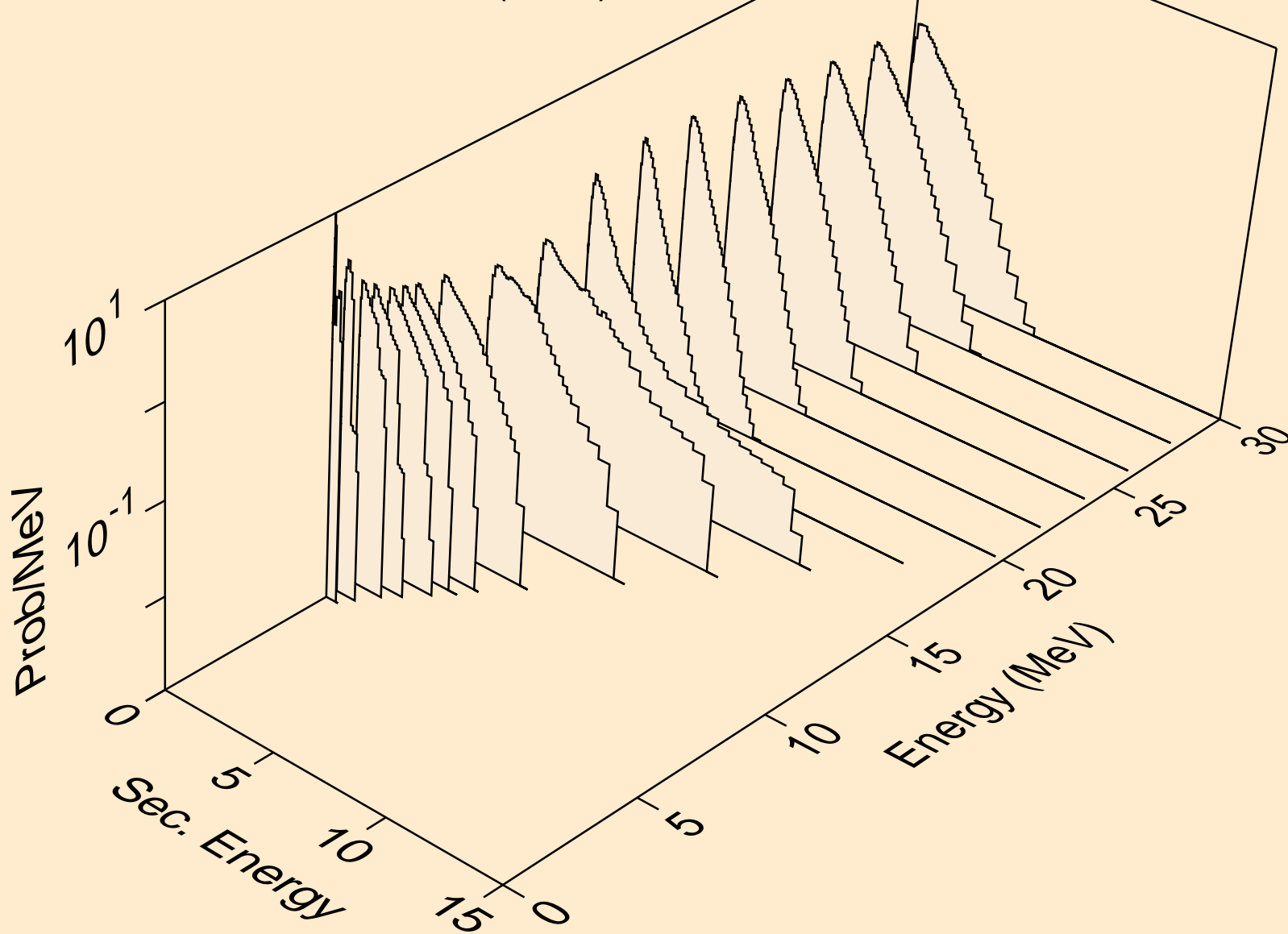


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Neutron emission for (n,n\*)a

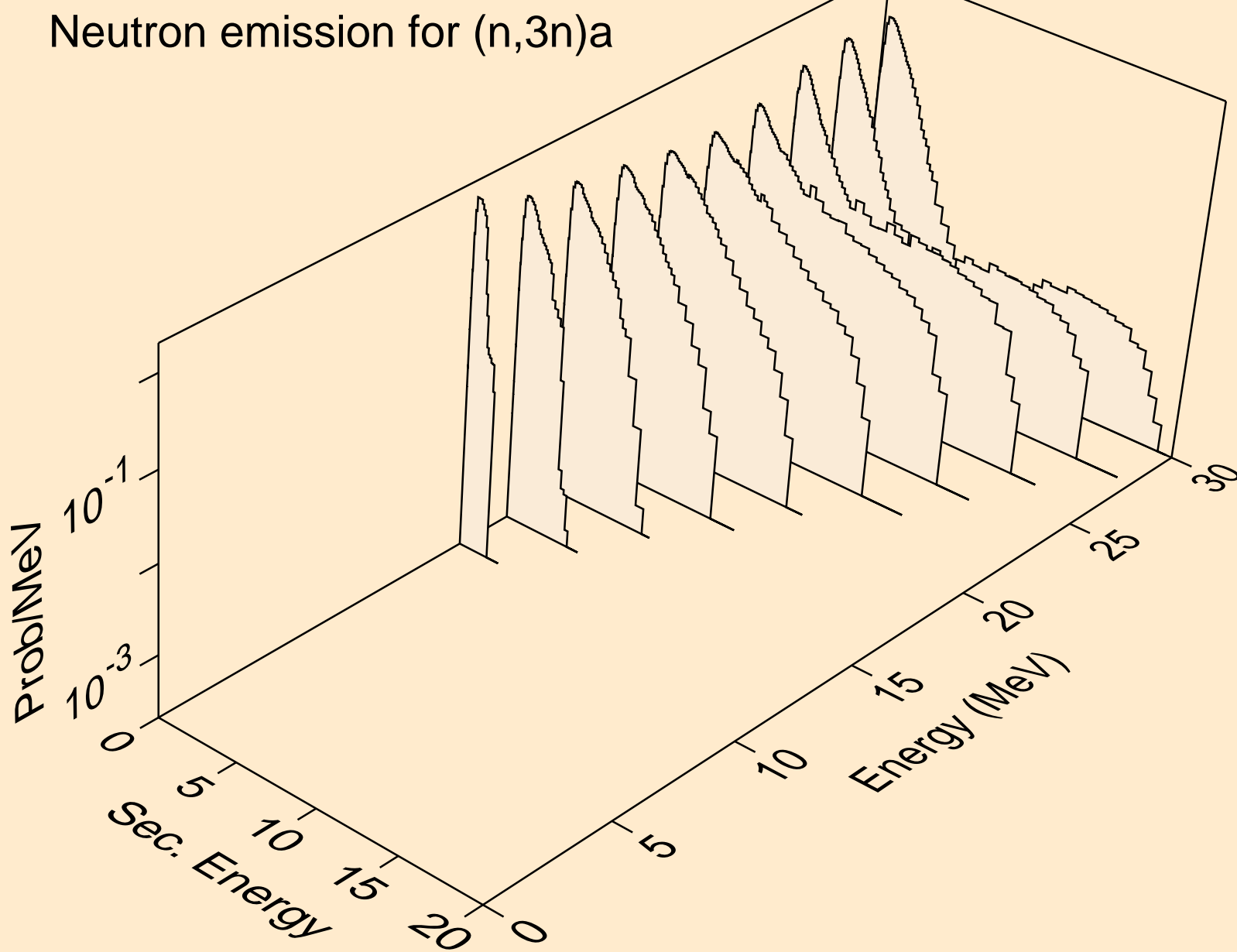




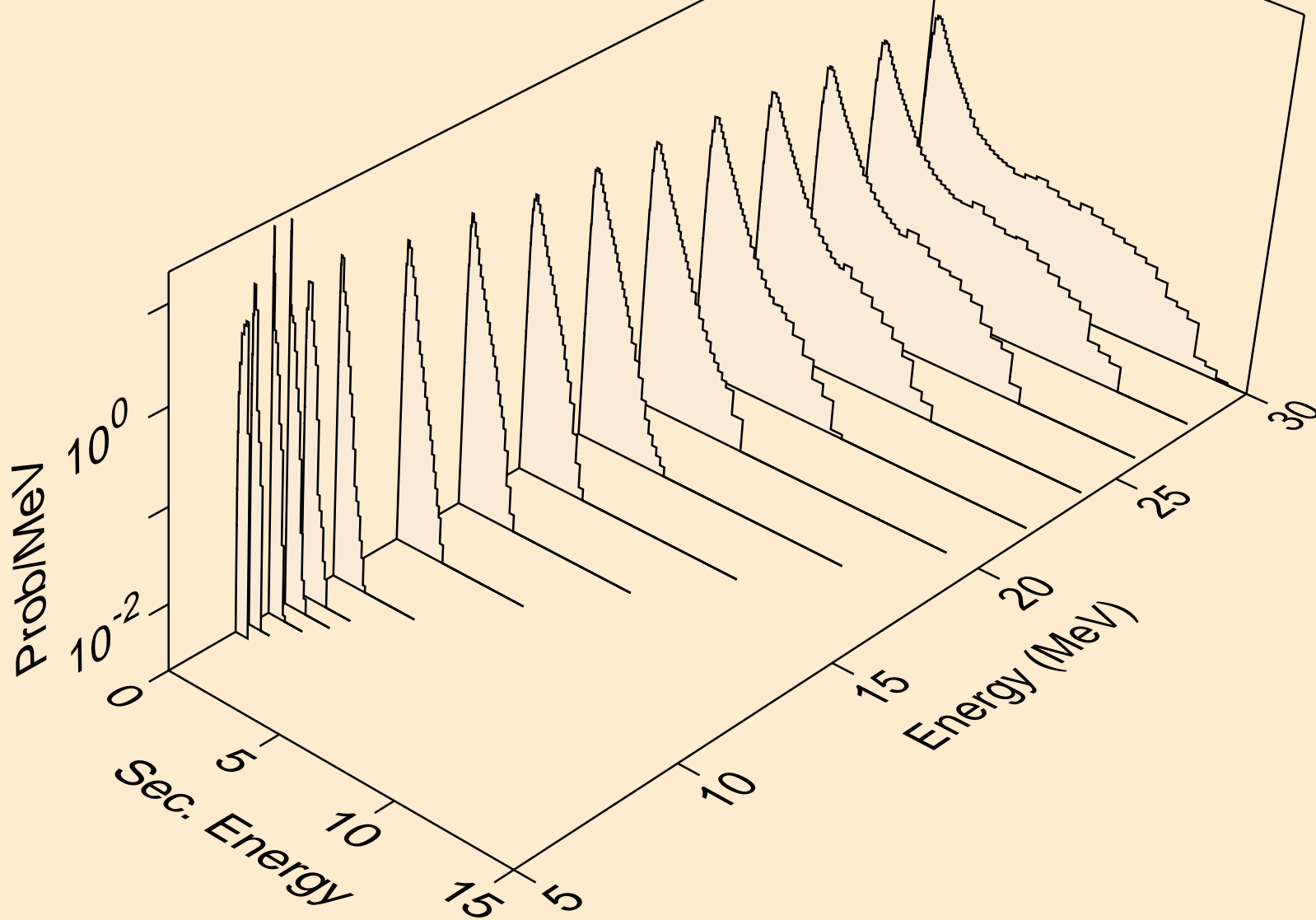
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Neutron emission for (n,2n)a



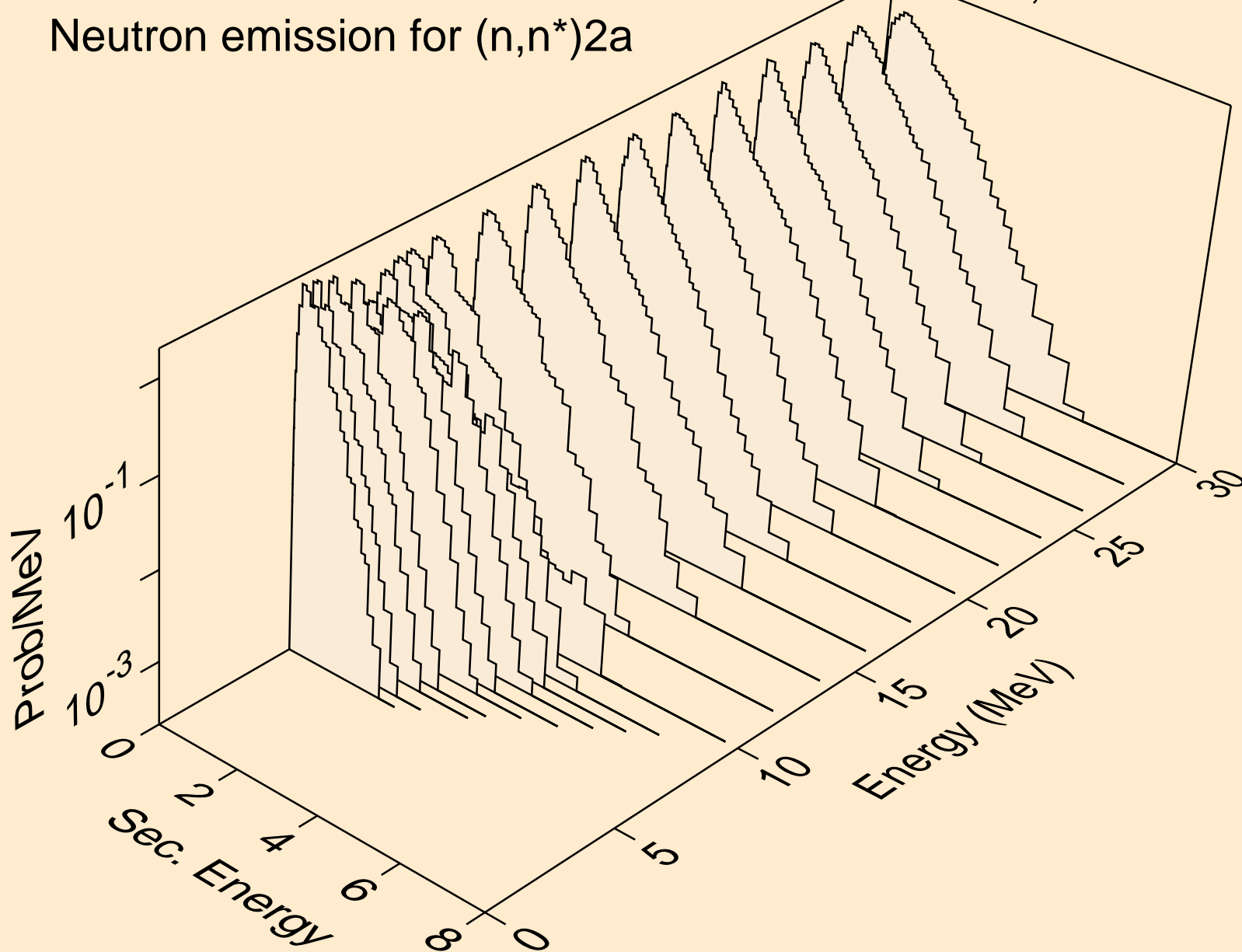
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Neutron emission for (n,3n)a



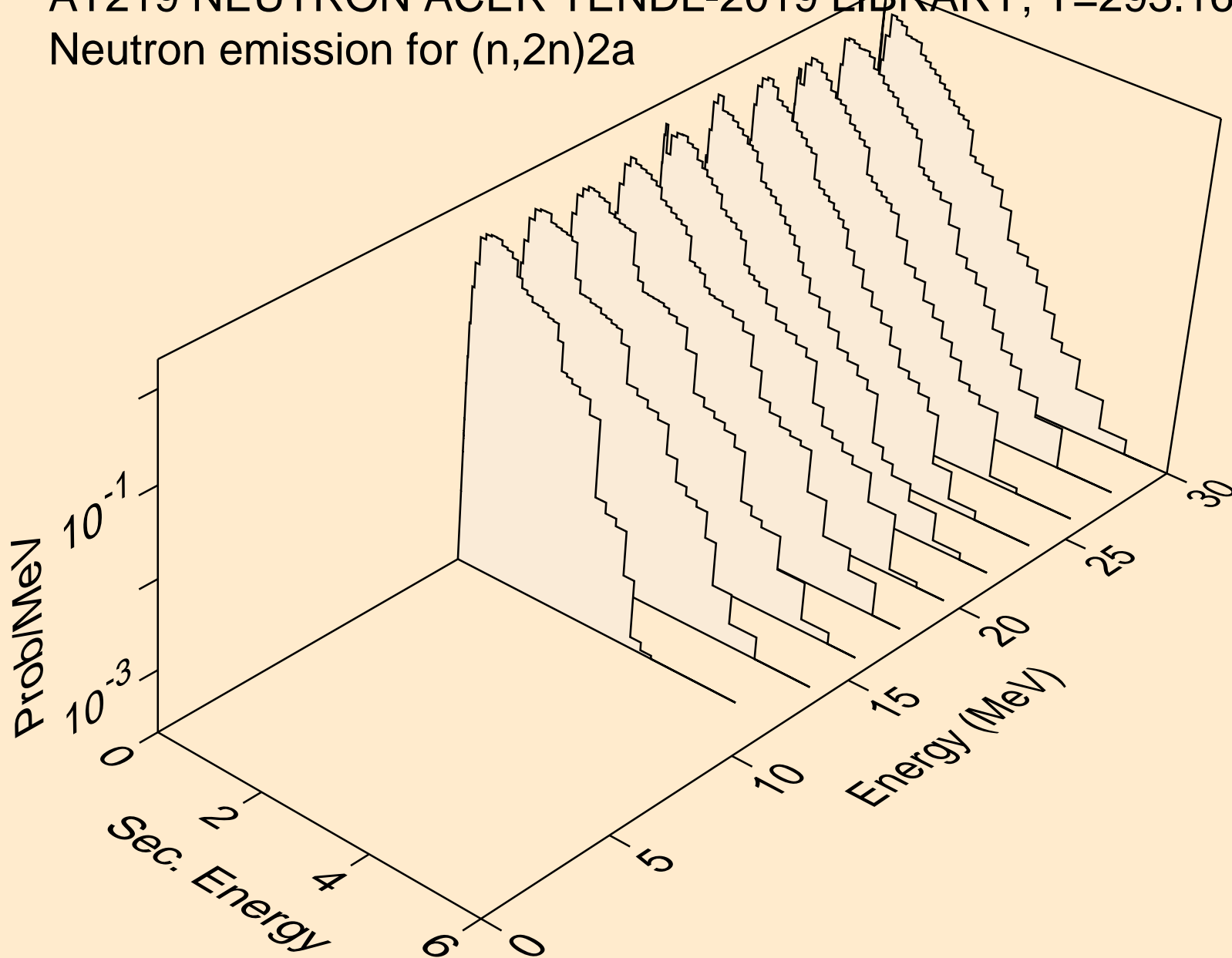
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Neutron emission for (n,n\*)p



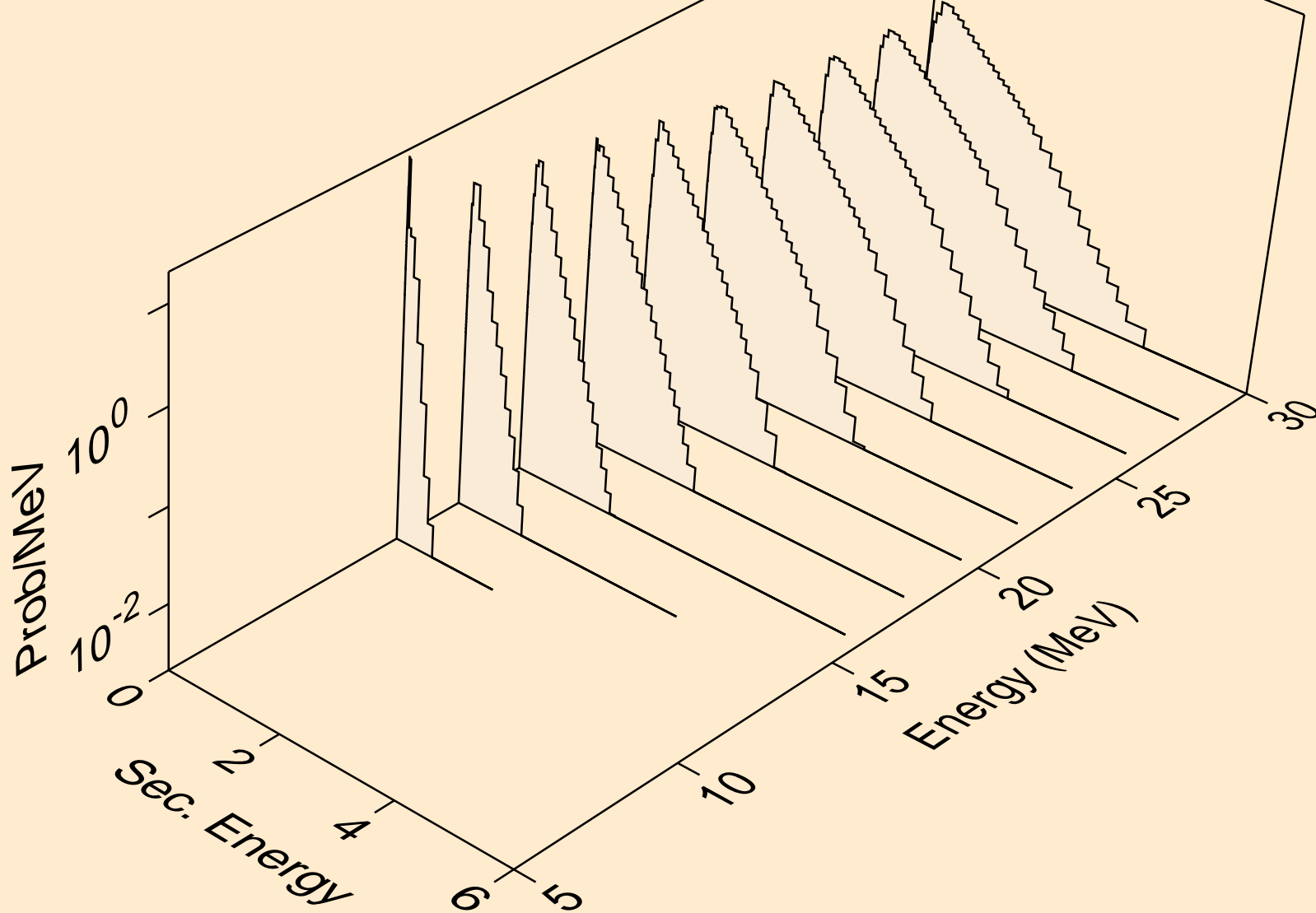
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Neutron emission for (n,n\*)2a



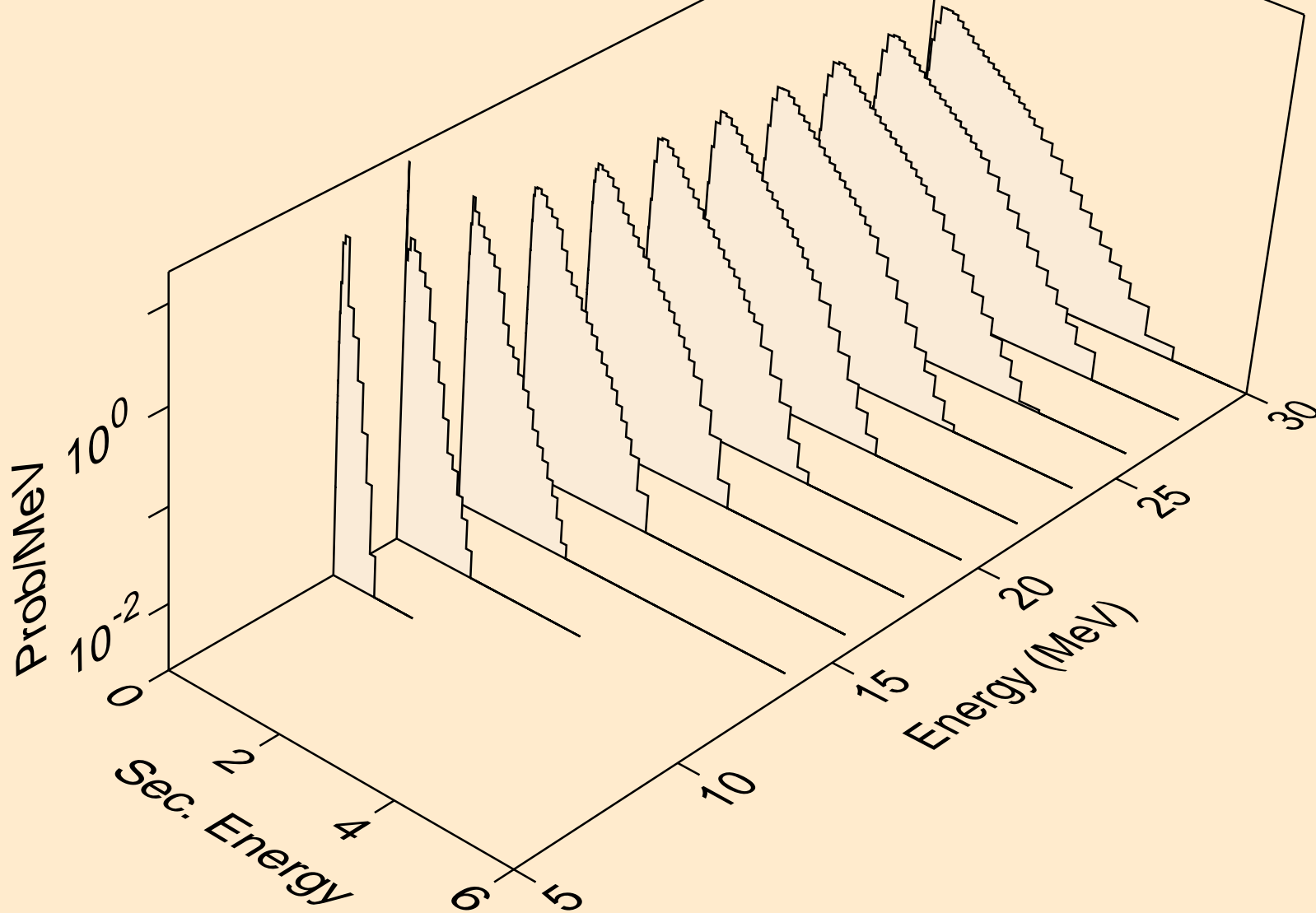
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Neutron emission for (n,2n)2a



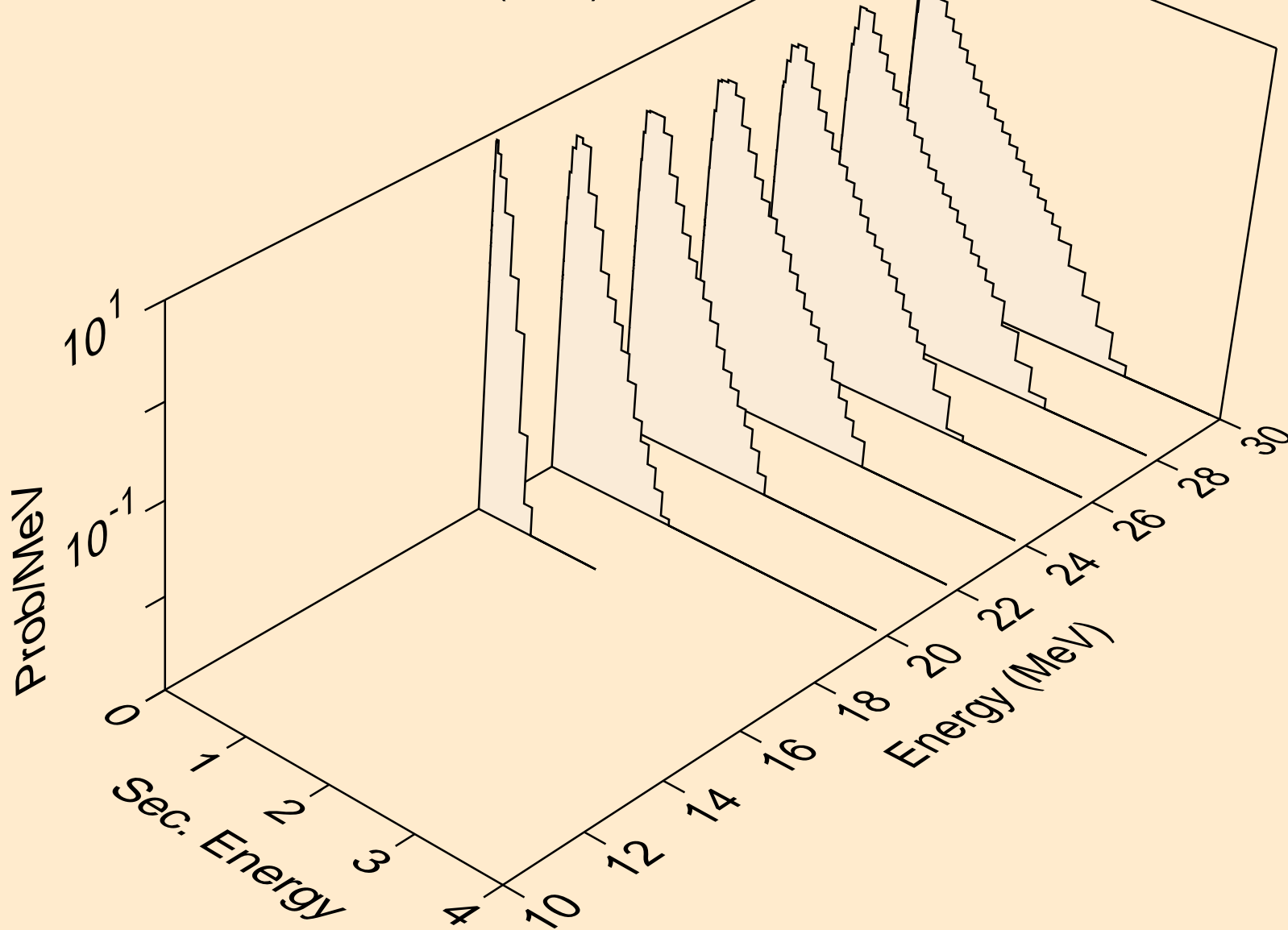
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

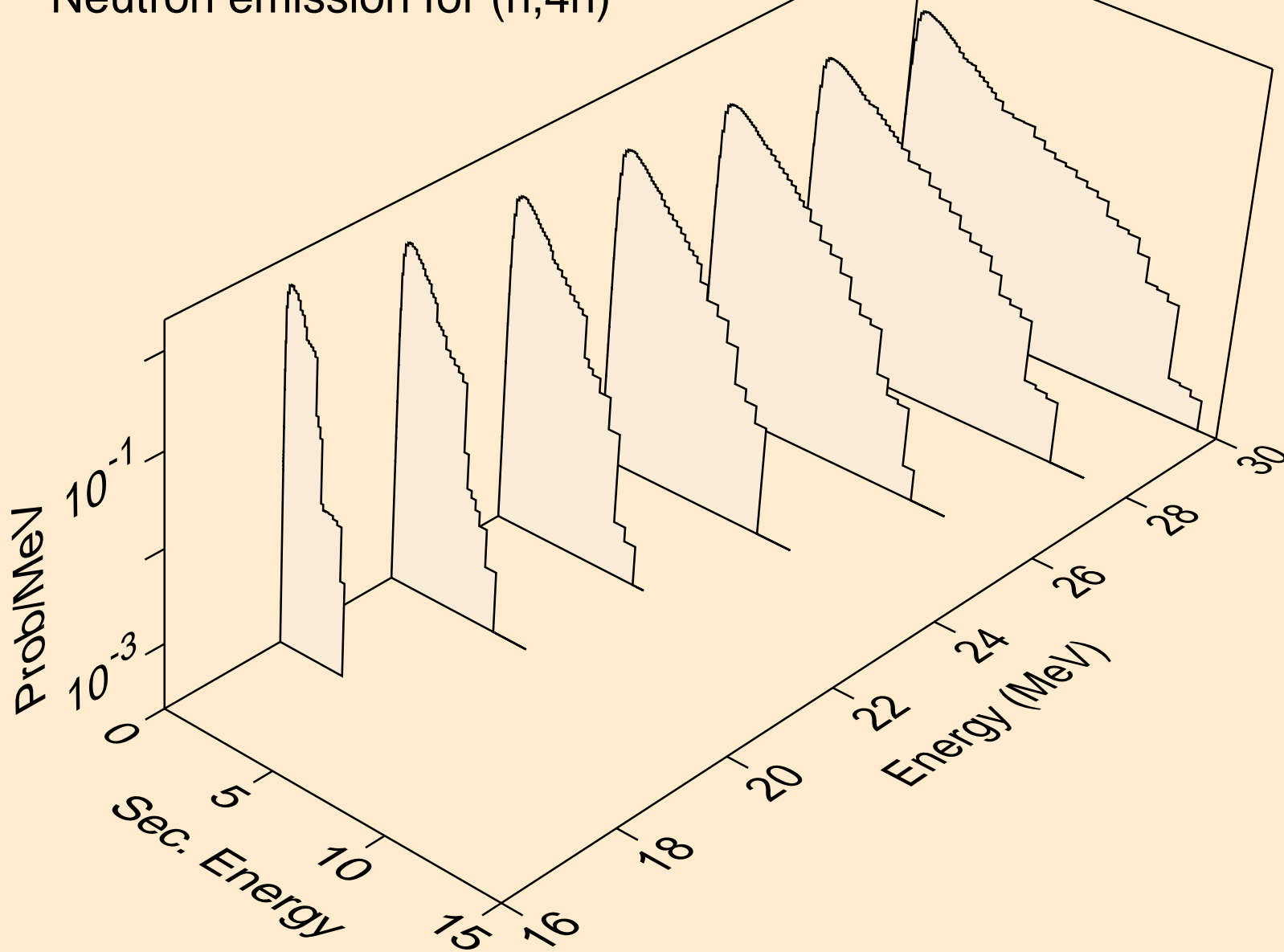


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Neutron emission for (n,n\*)he3

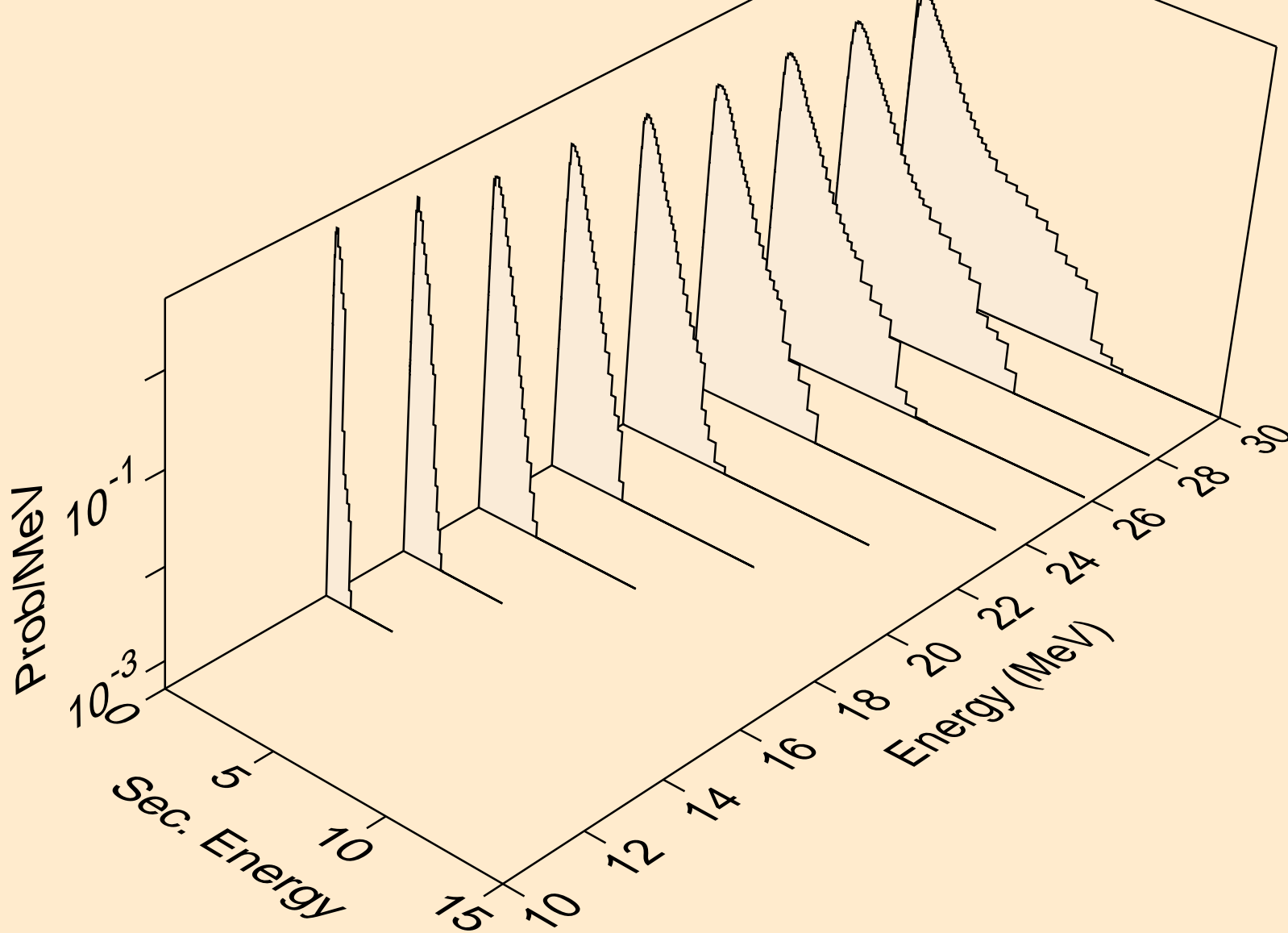




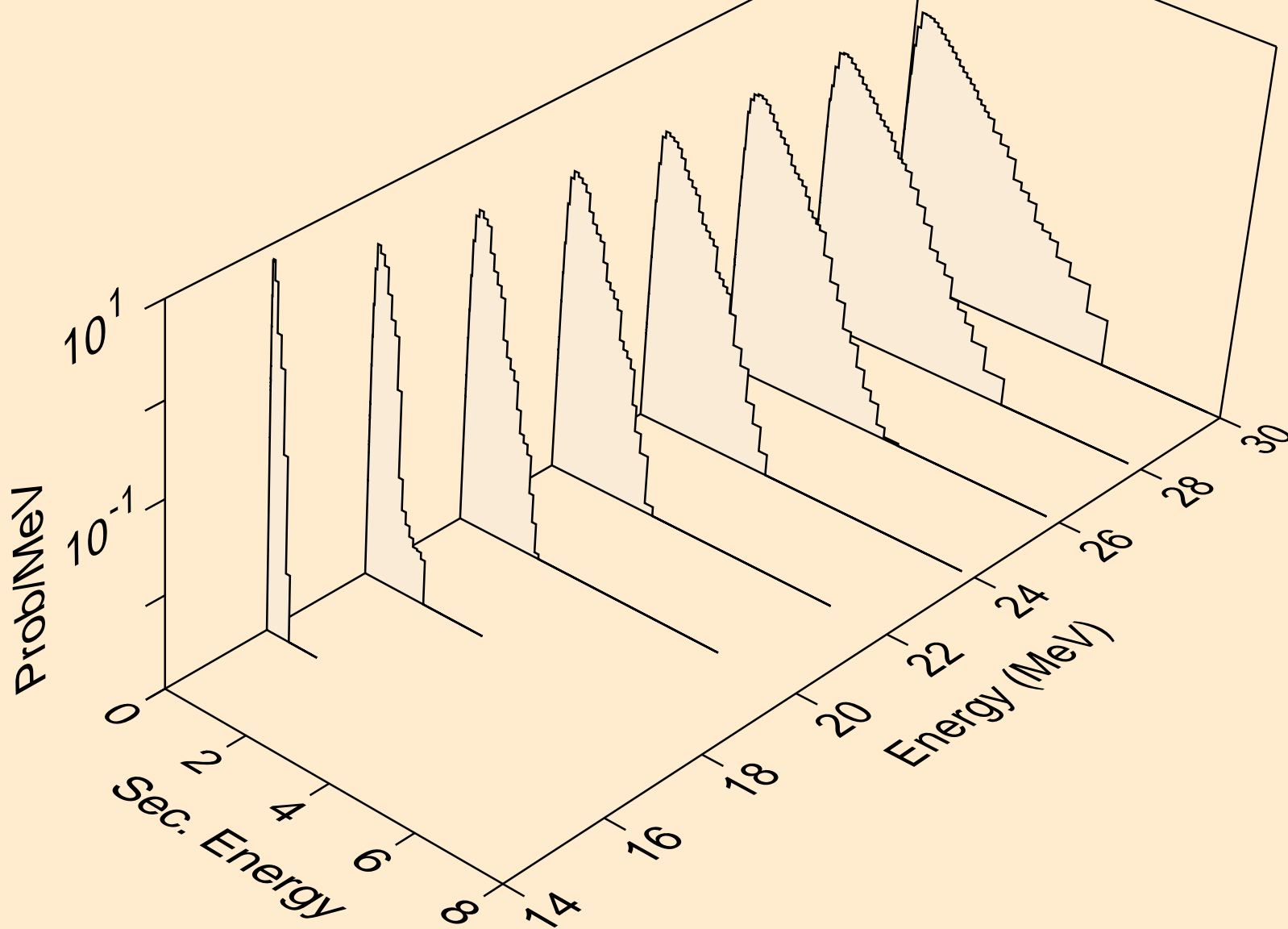
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Neutron emission for (n,4n)



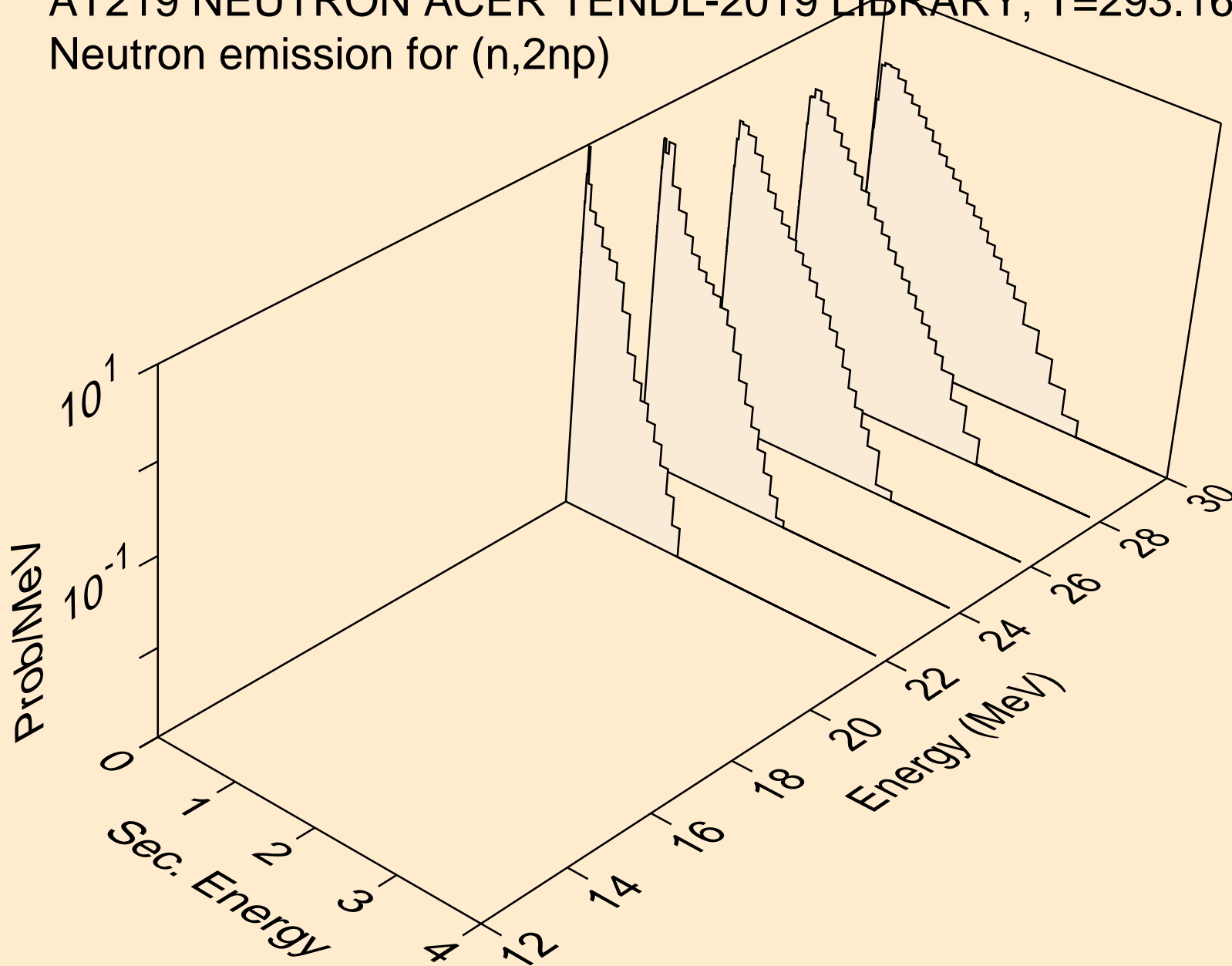
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Neutron emission for (n,2np)



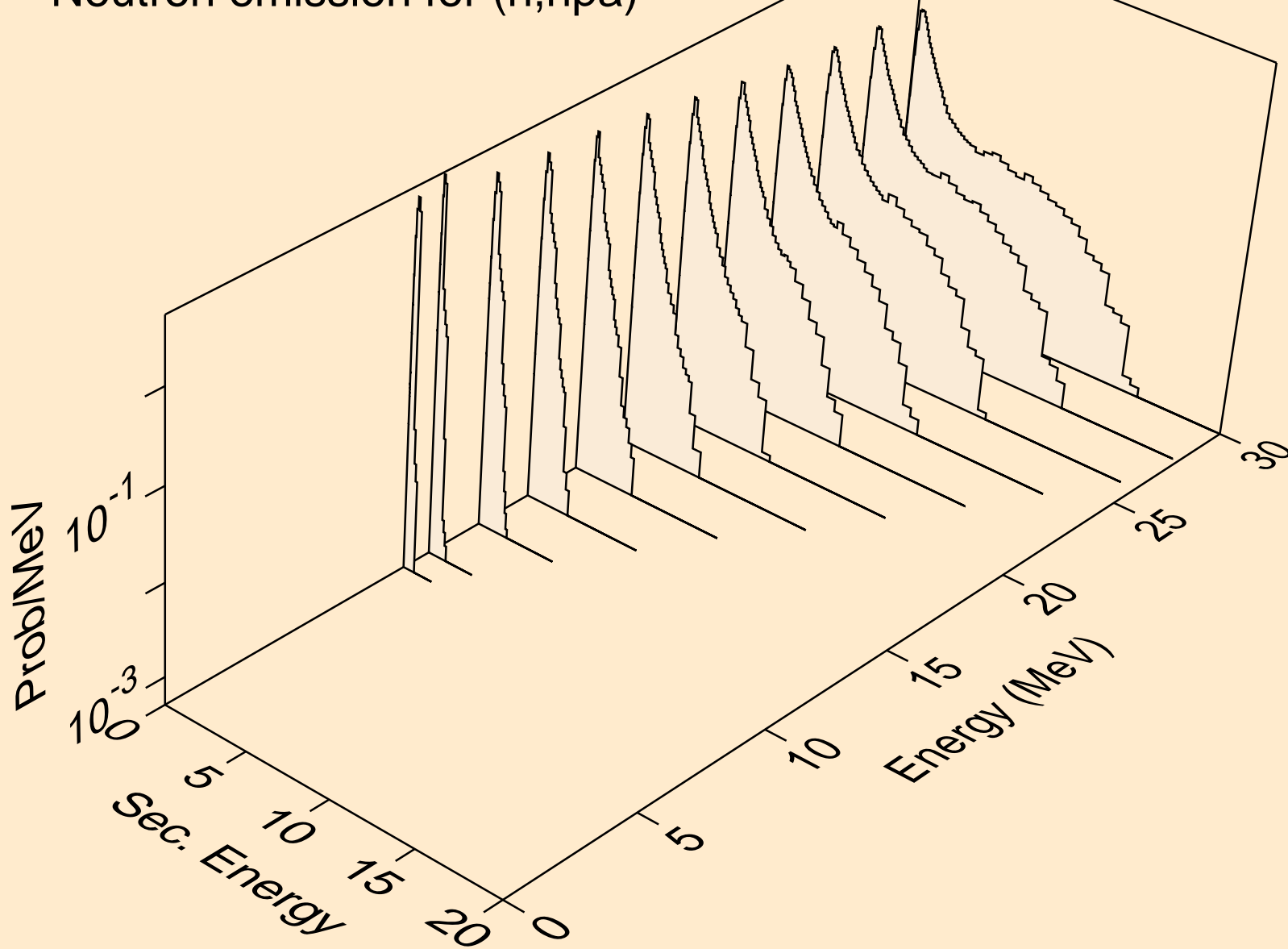
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Neutron emission for (n,3np)



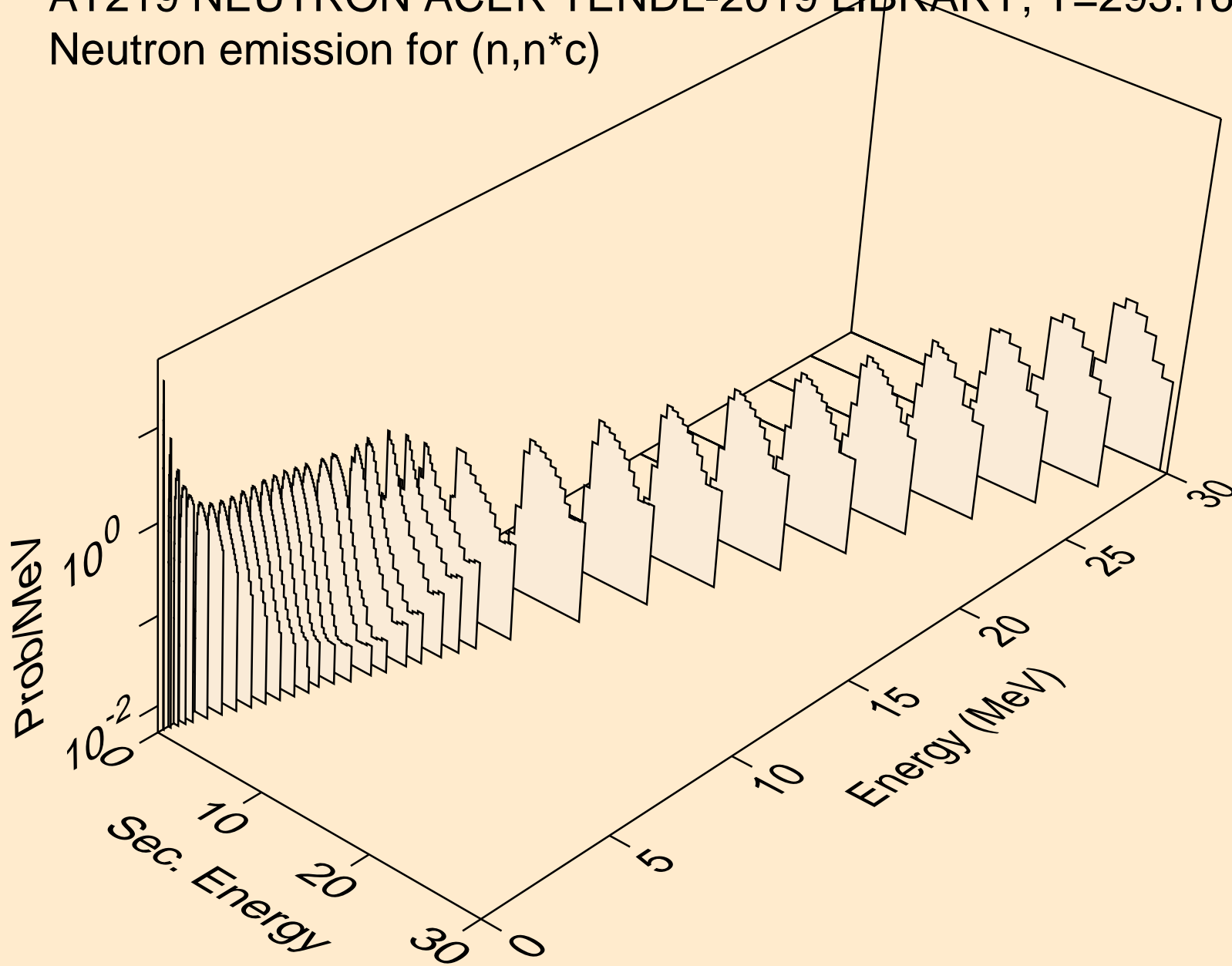
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Neutron emission for (n,2np)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

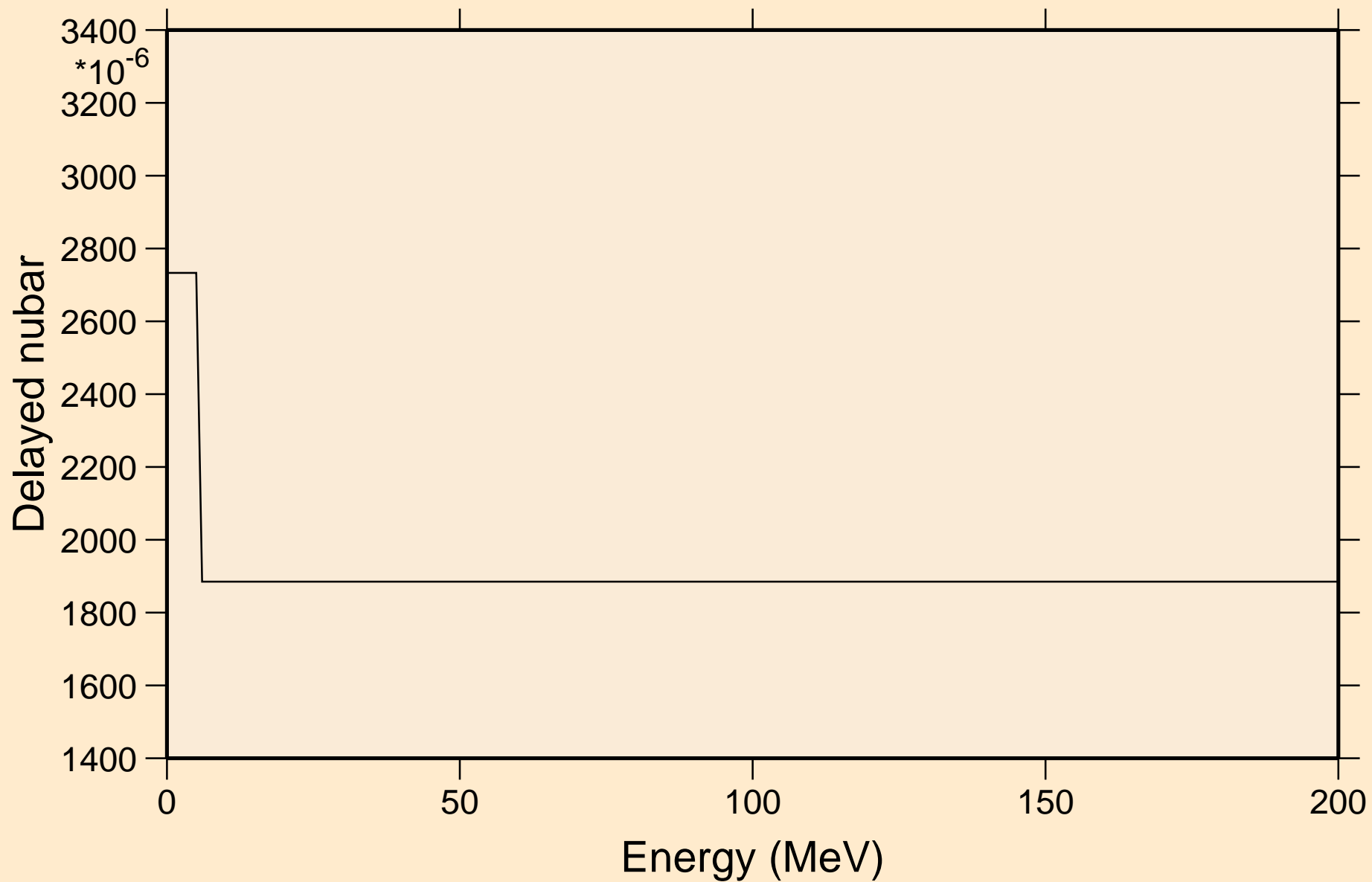


AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



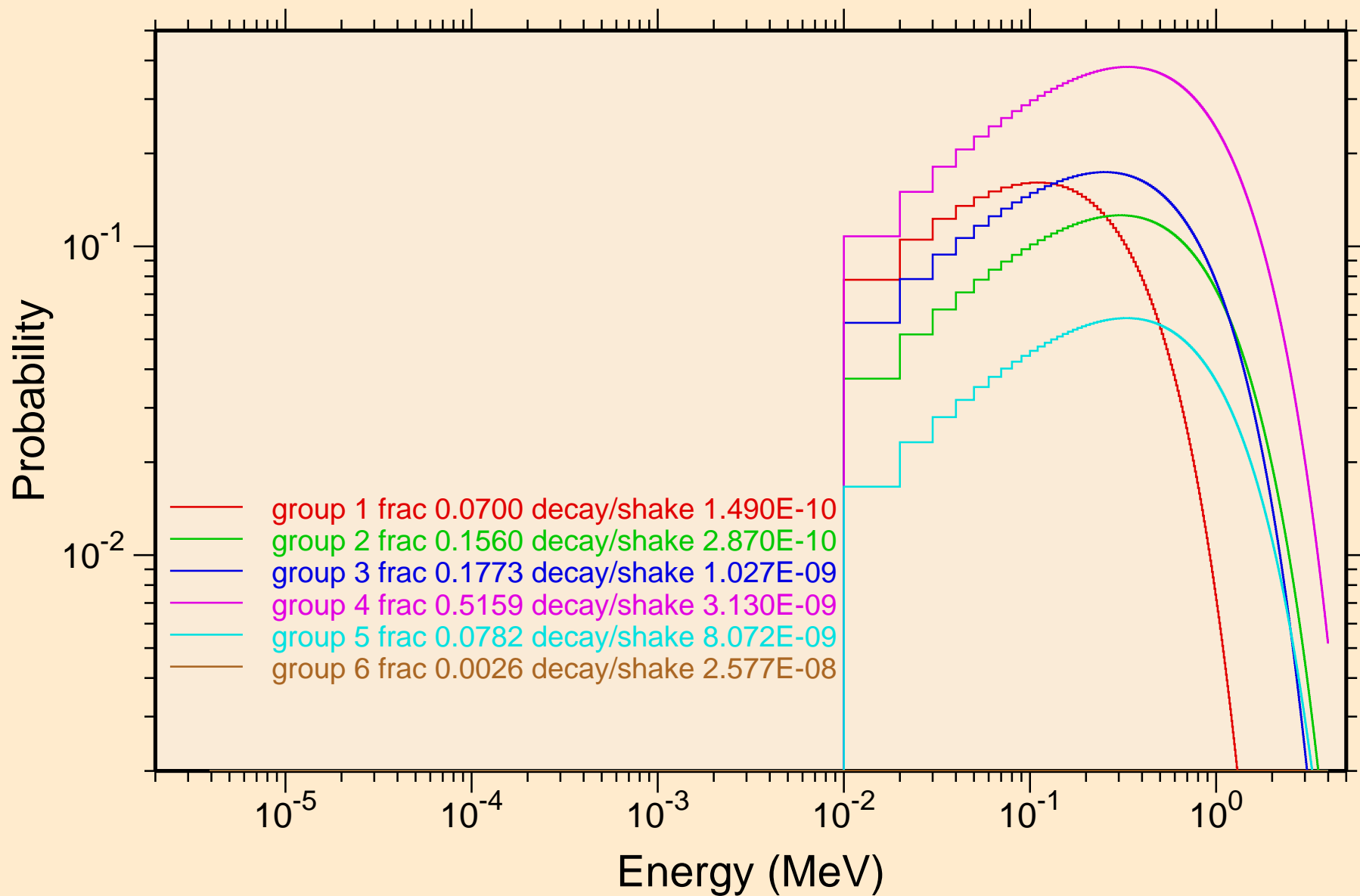
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## Delayed nubar



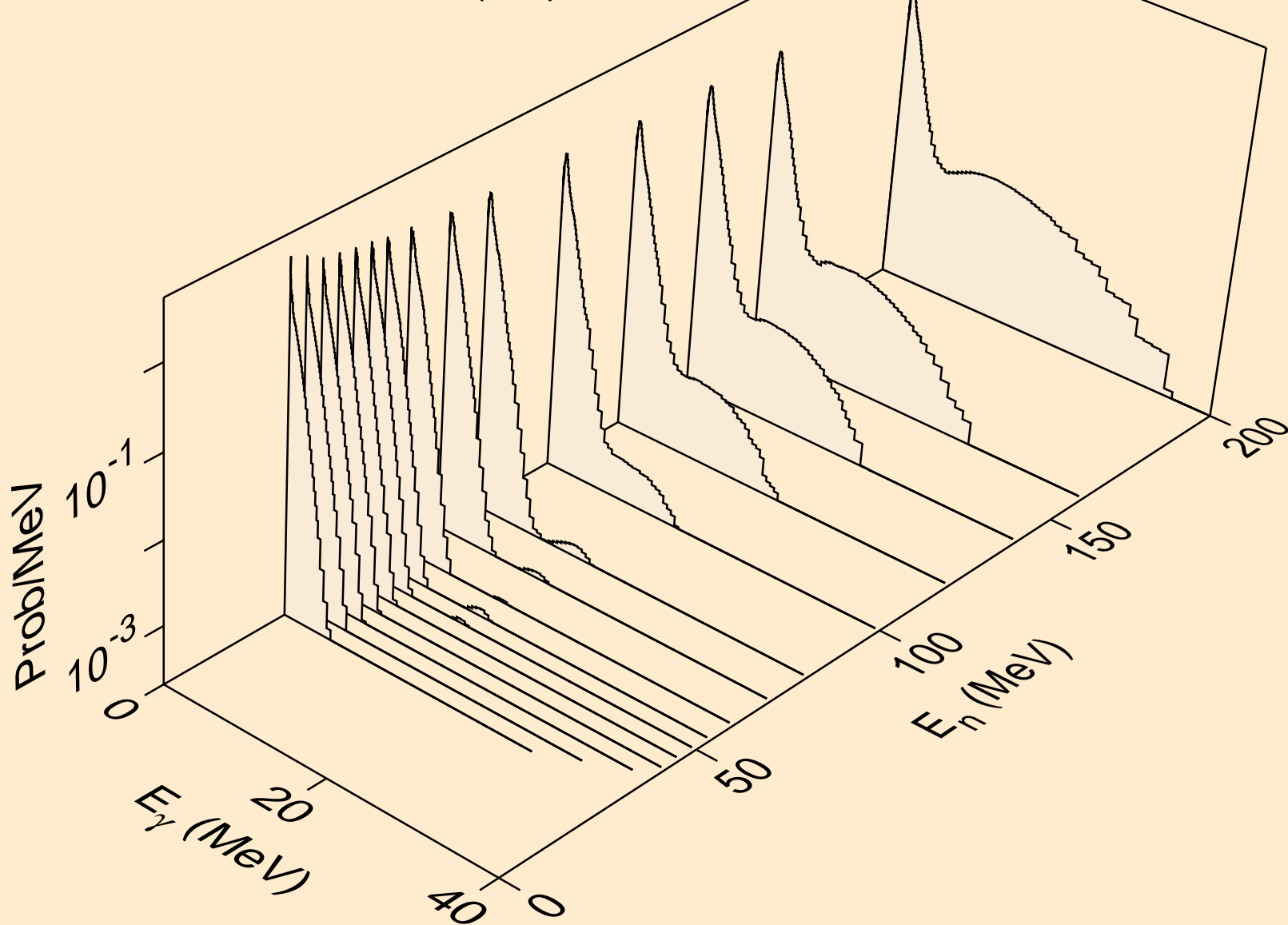
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## Delayed neutron spectra

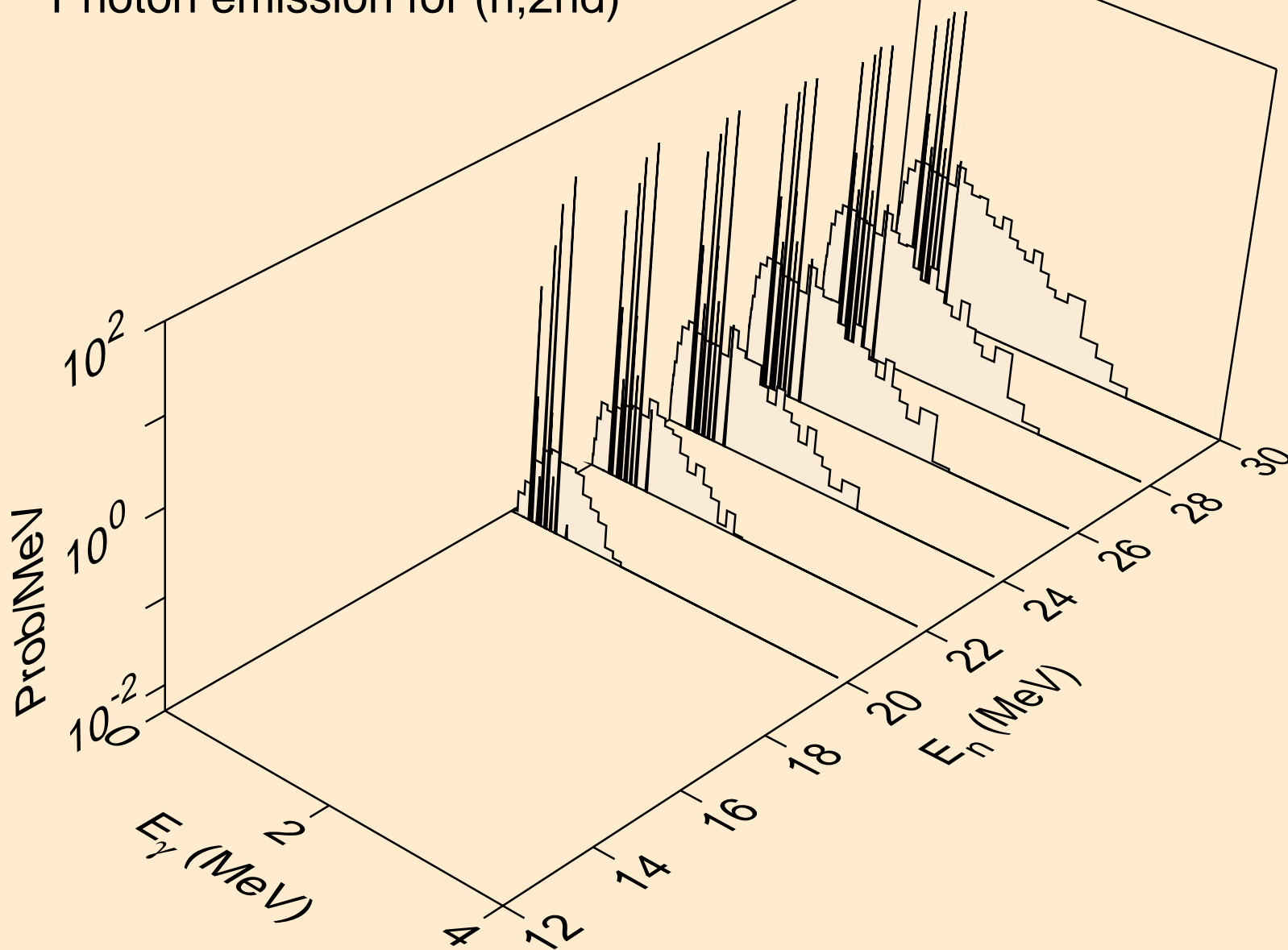




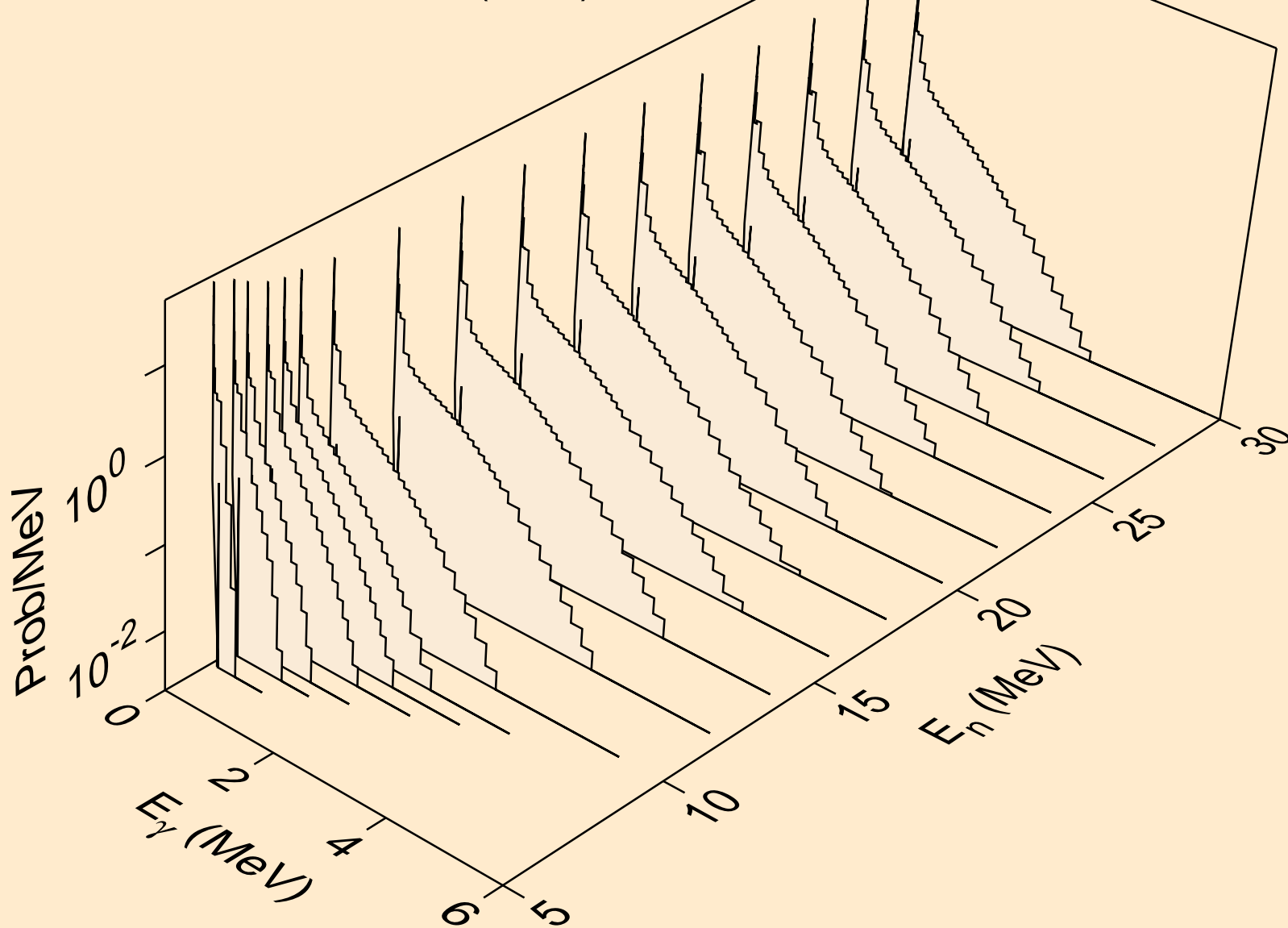
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Photon emission for (n,x)



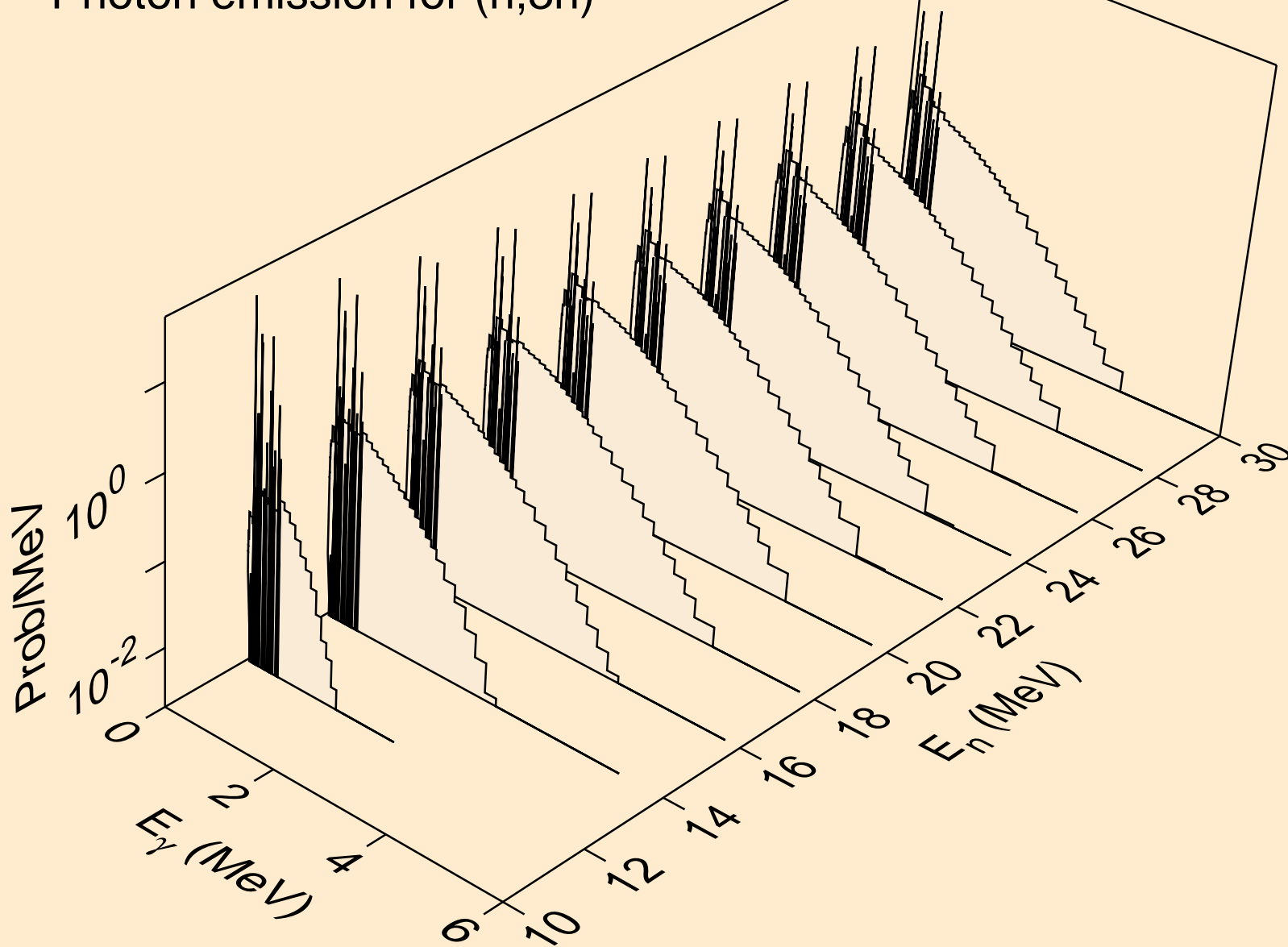
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Photon emission for (n,2nd)



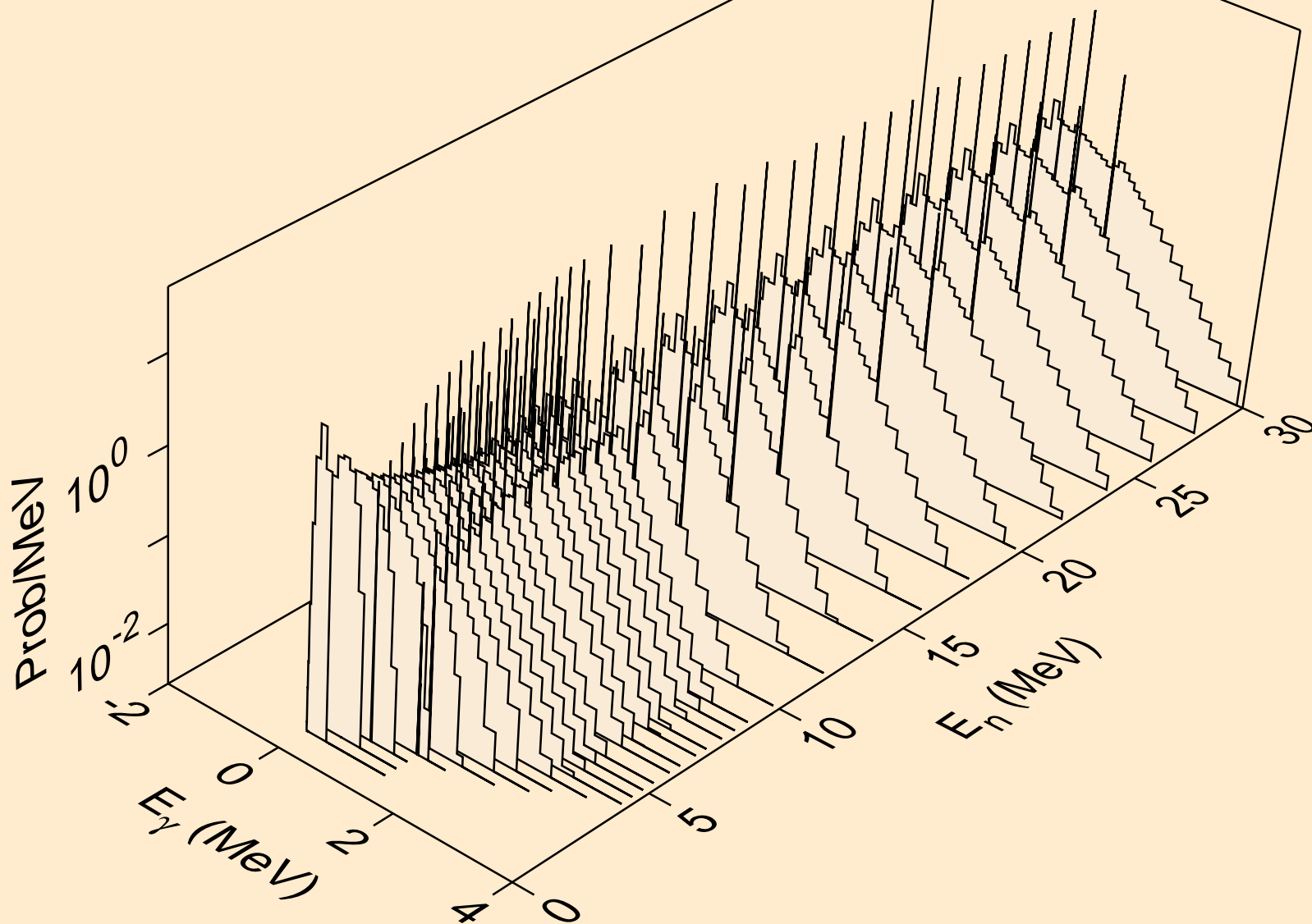
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Photon emission for (n,2n)



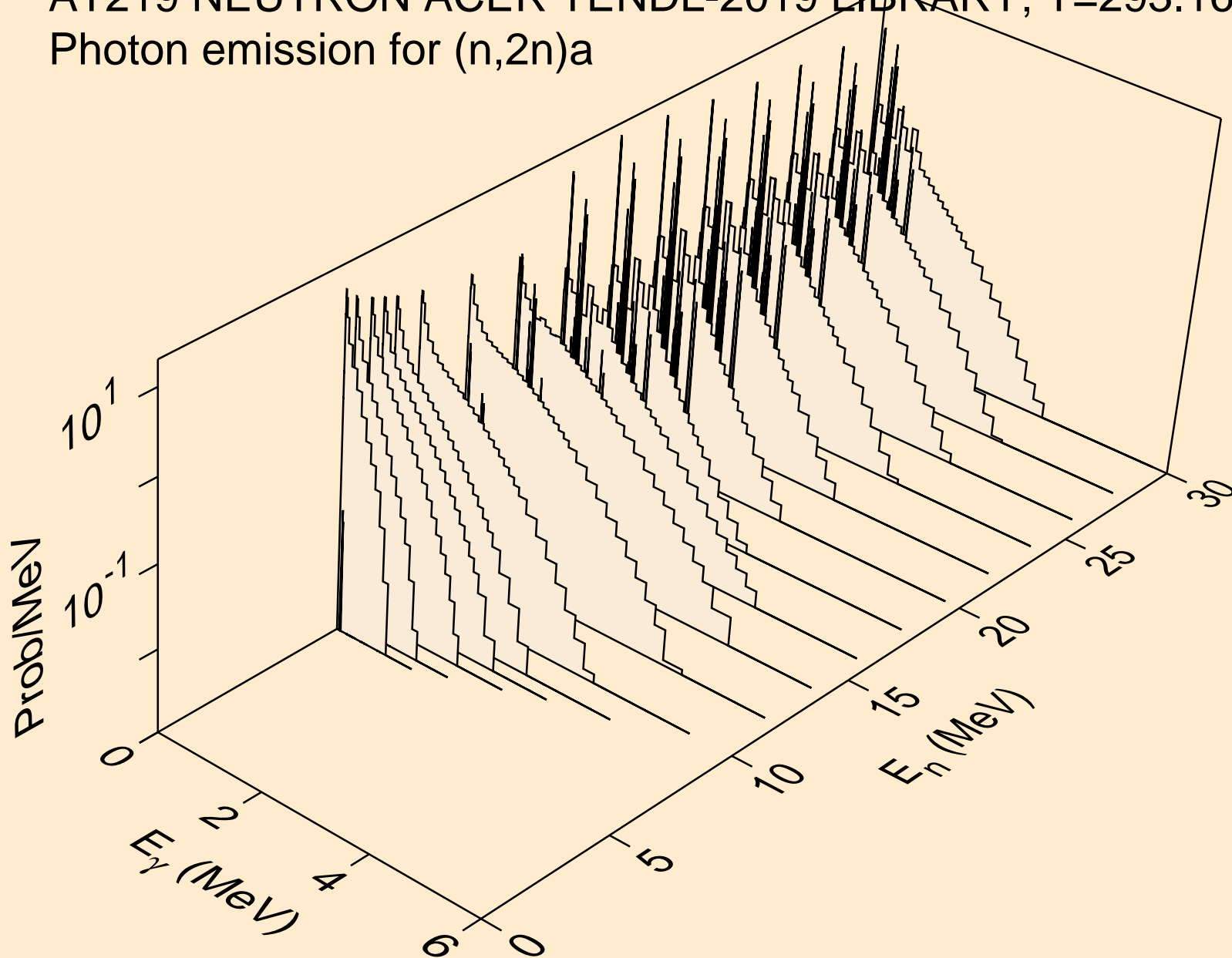
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Photon emission for (n,3n)



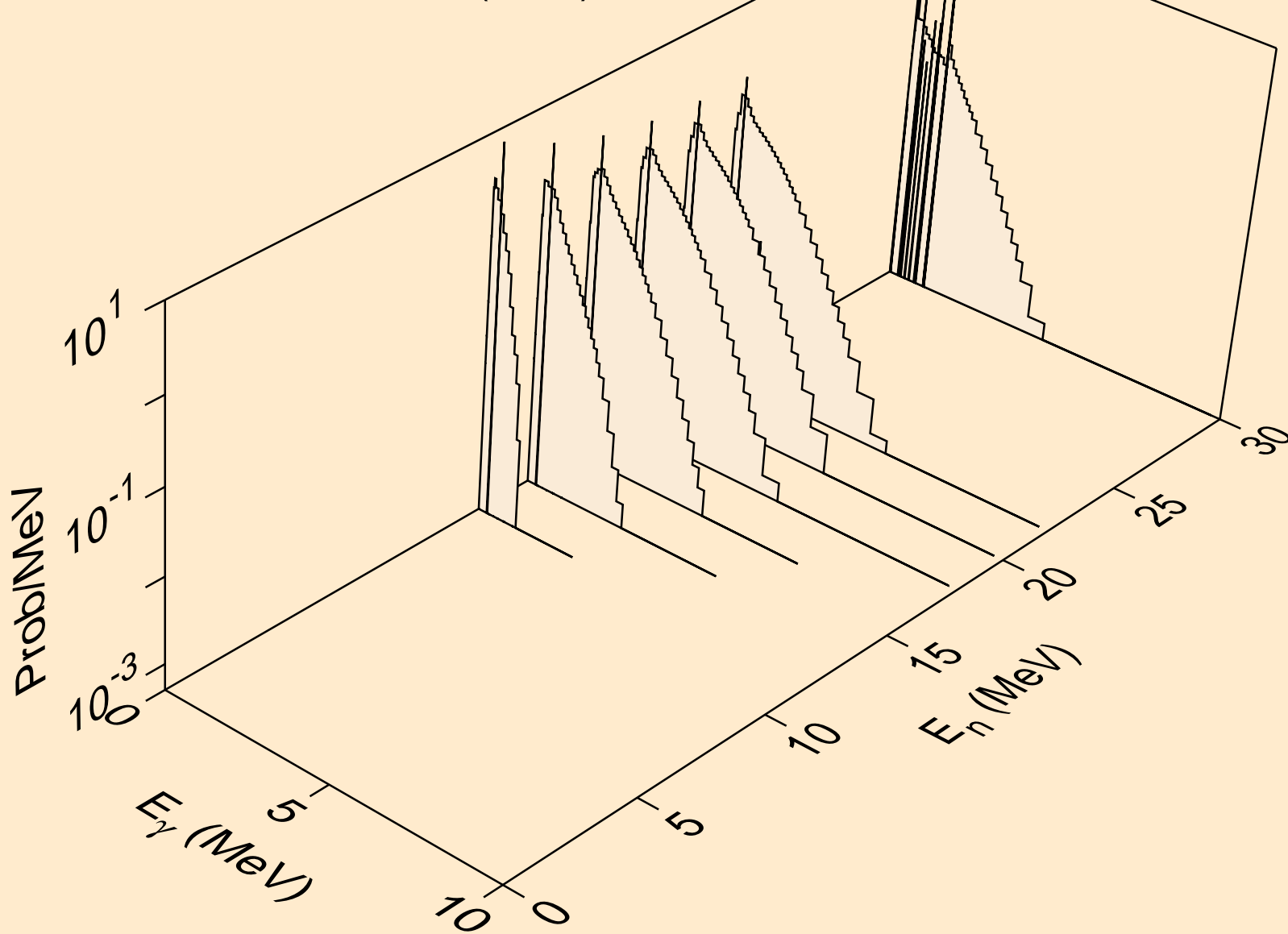
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Photon emission for (n,n\*)a



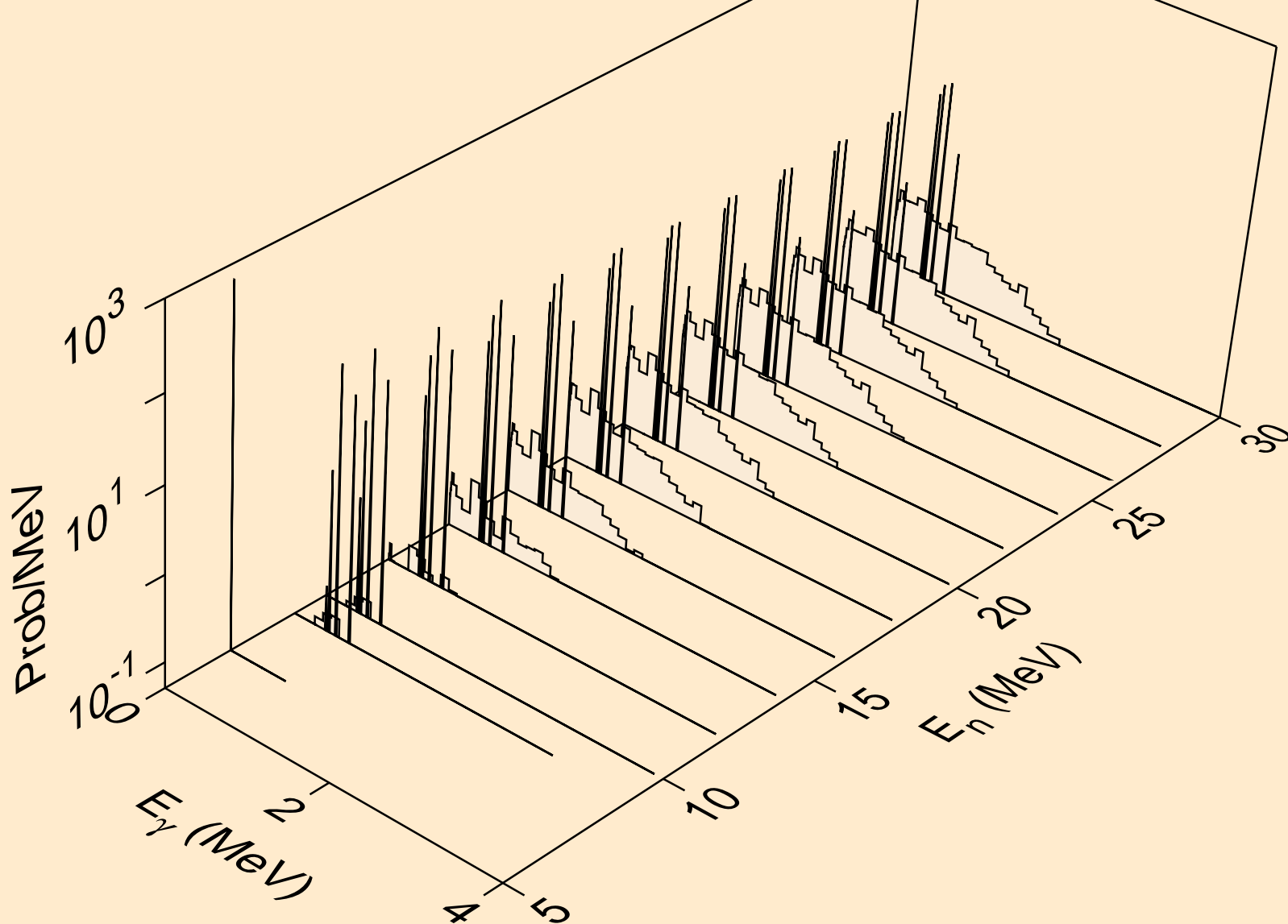
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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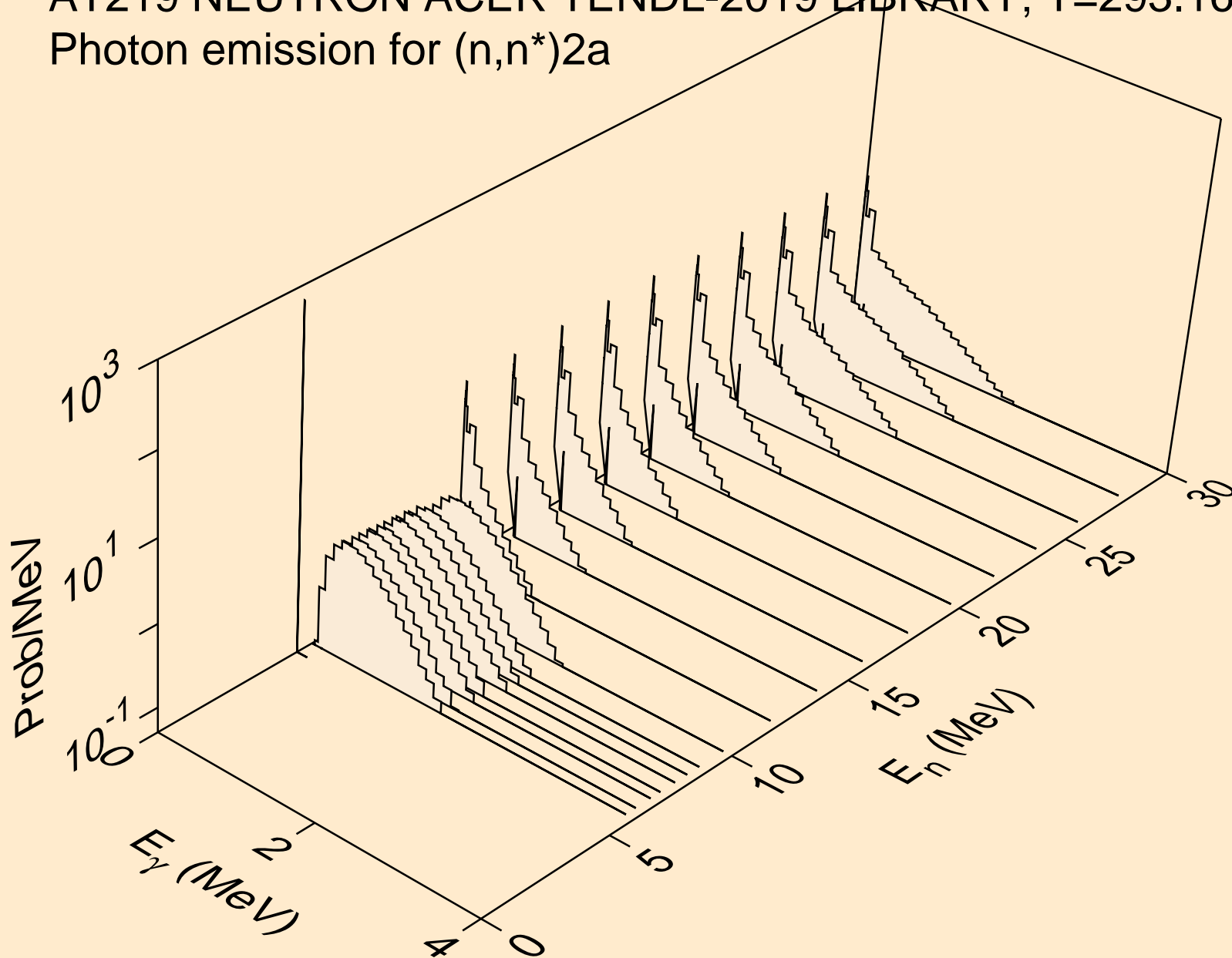


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Photon emission for (n,n\*)p

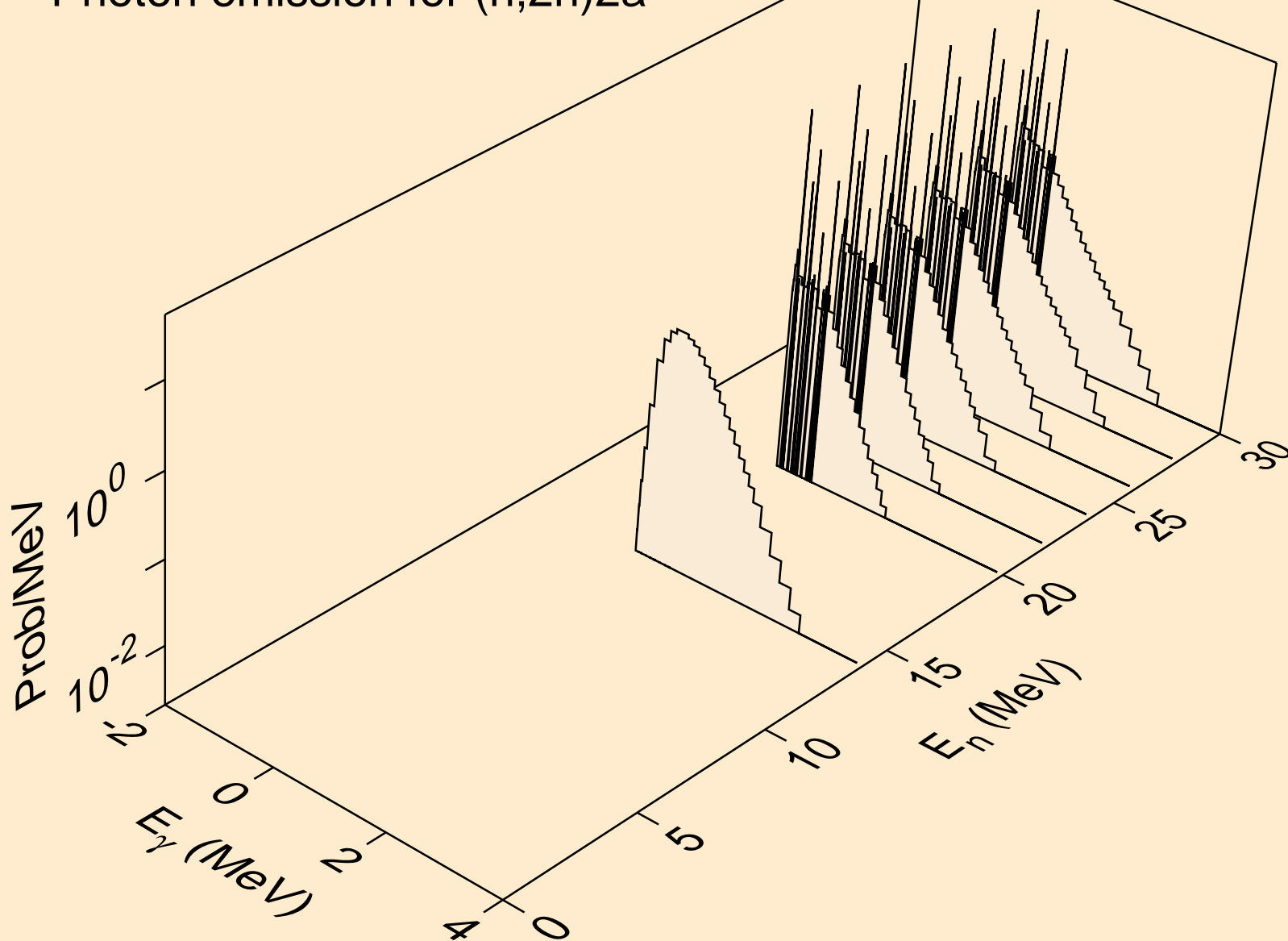




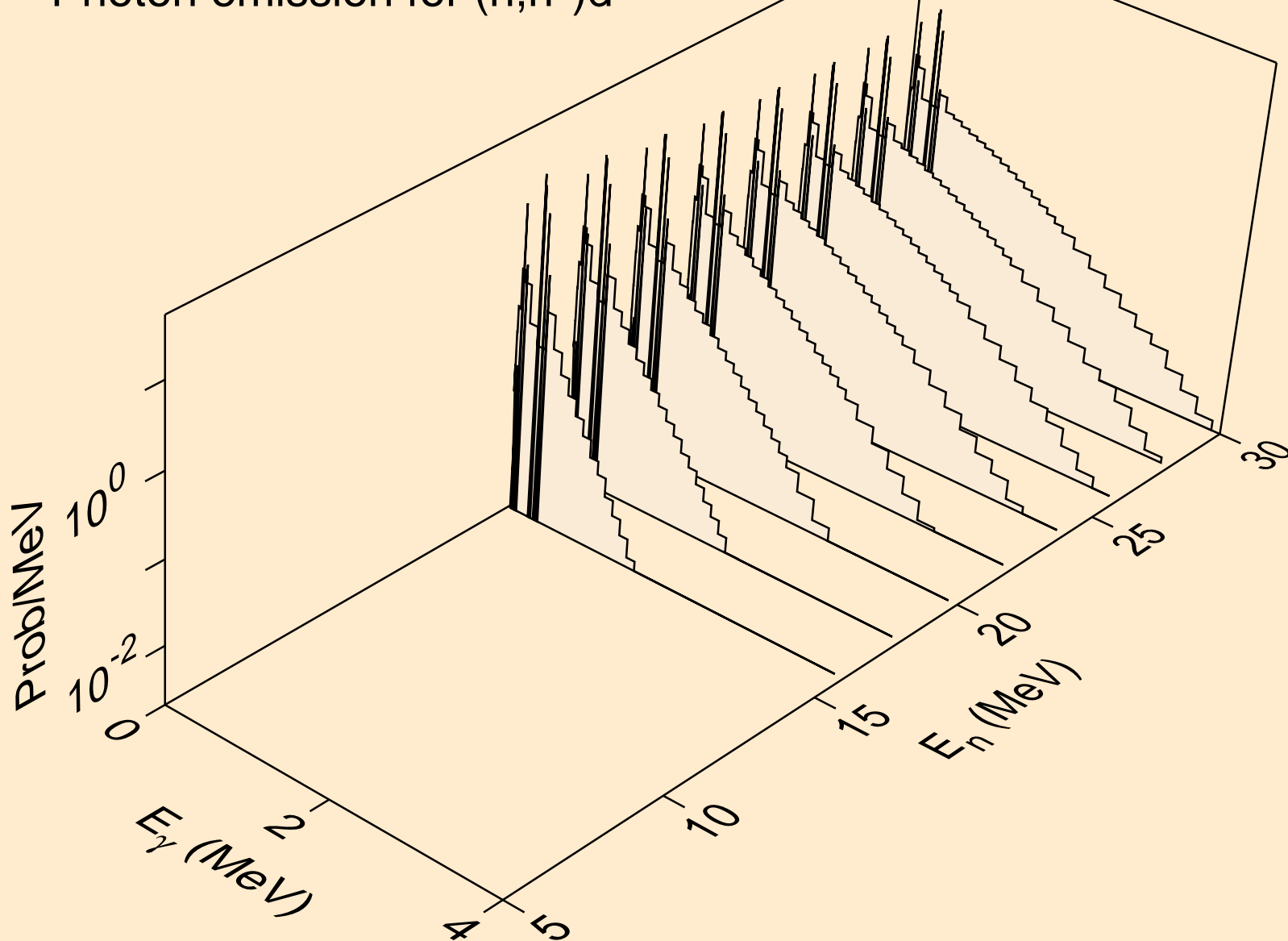
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Photon emission for (n,n\*)2a



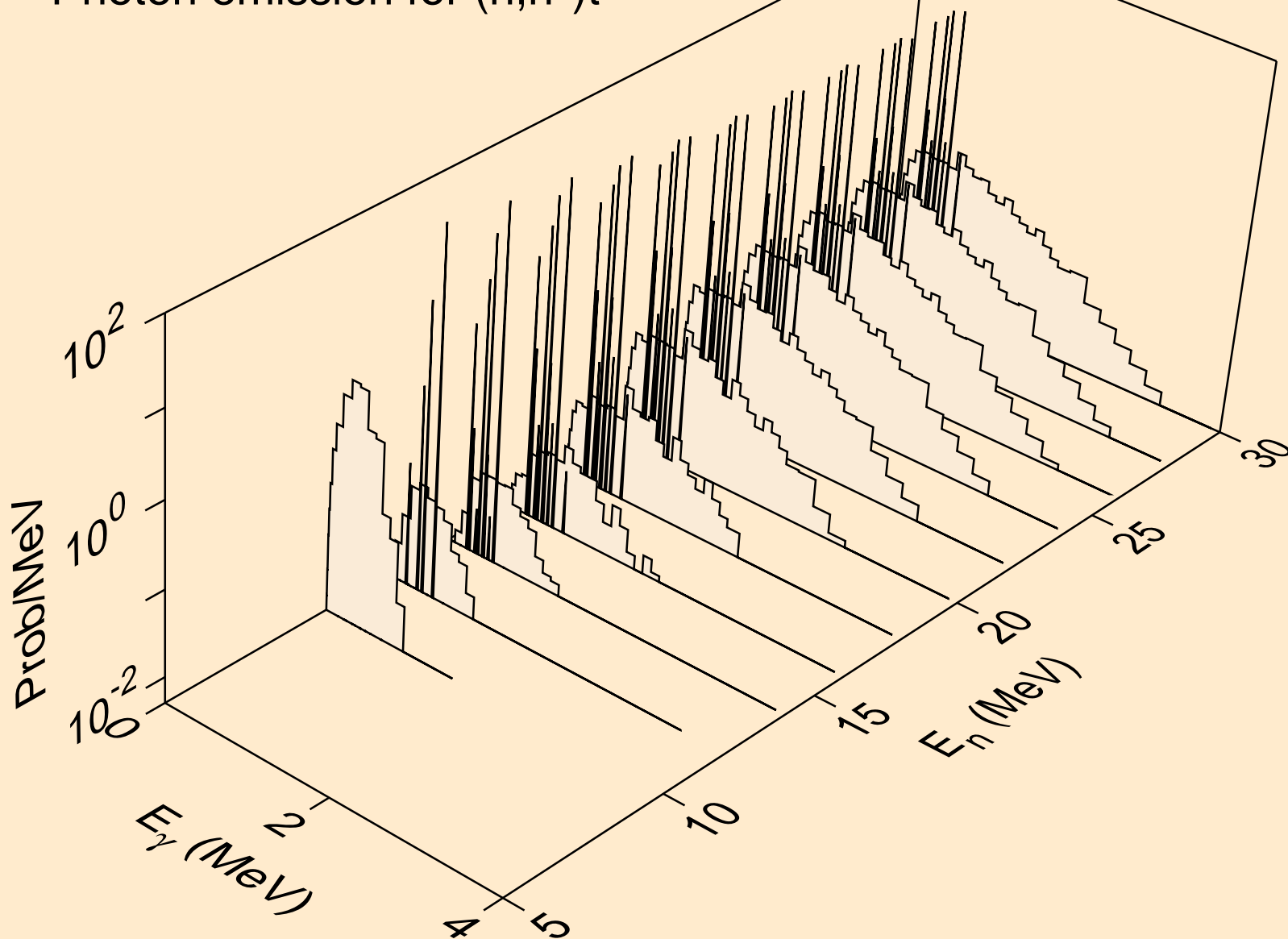
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



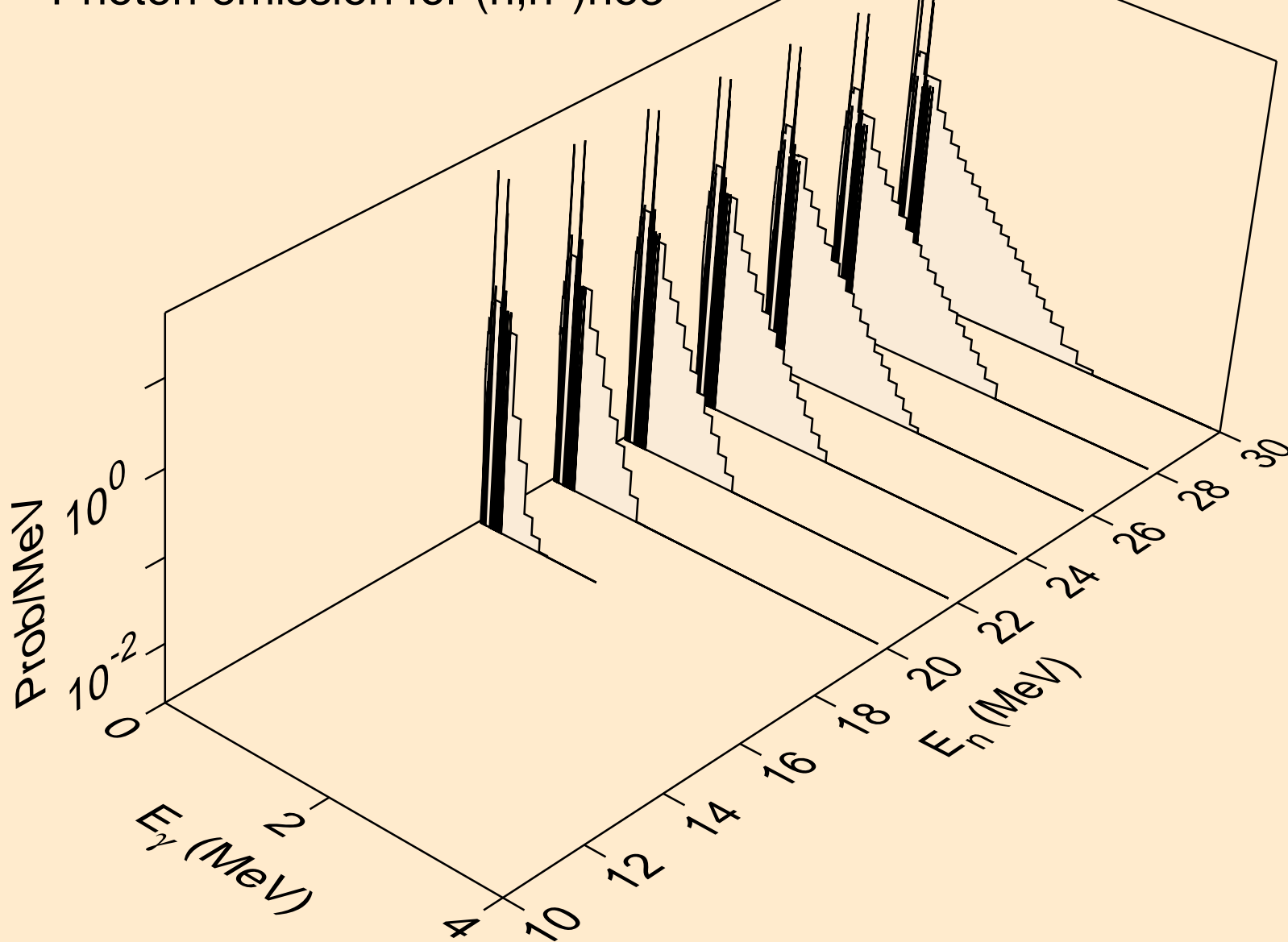
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Photon emission for (n,n\*)d



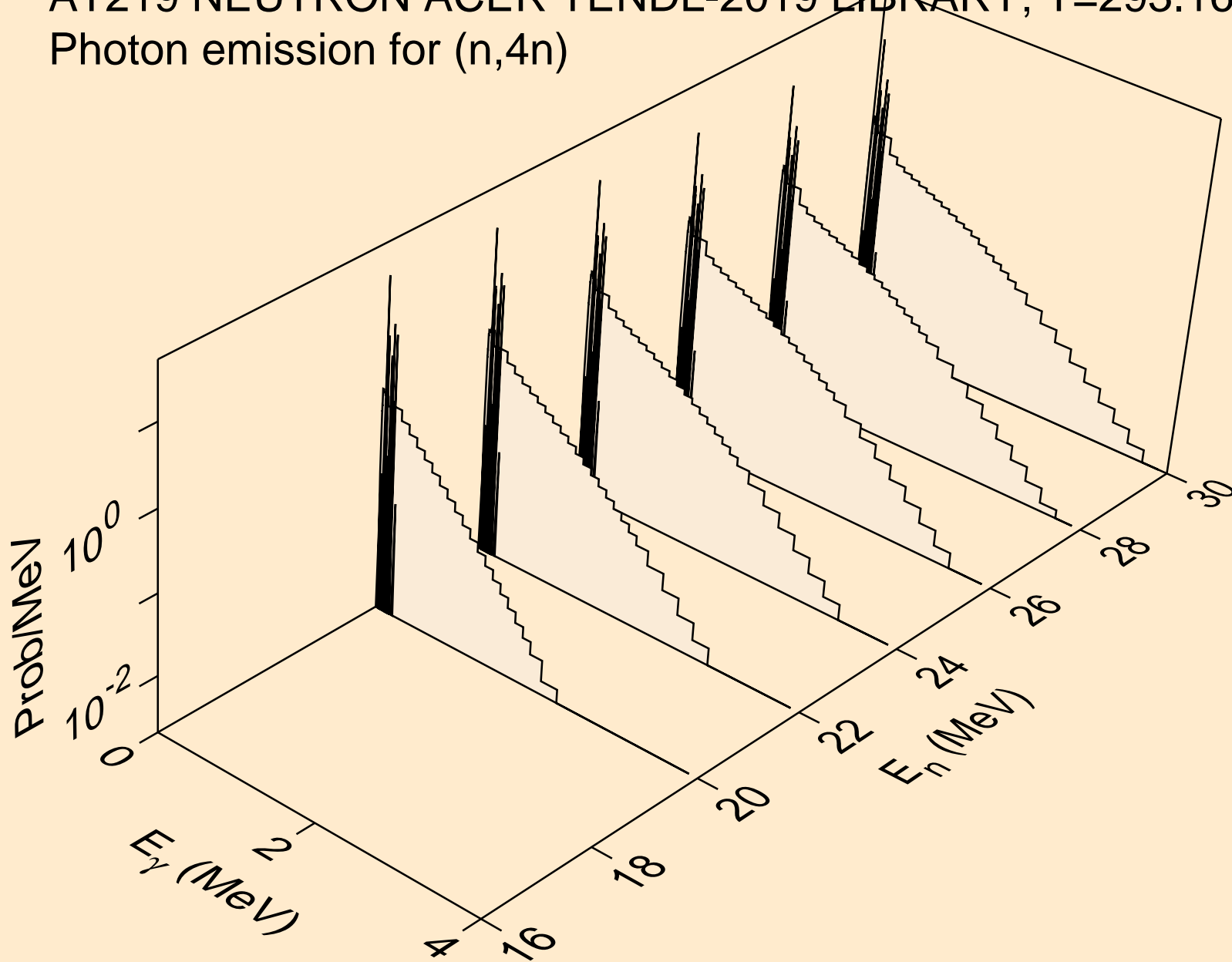
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Photon emission for (n,n\*)t



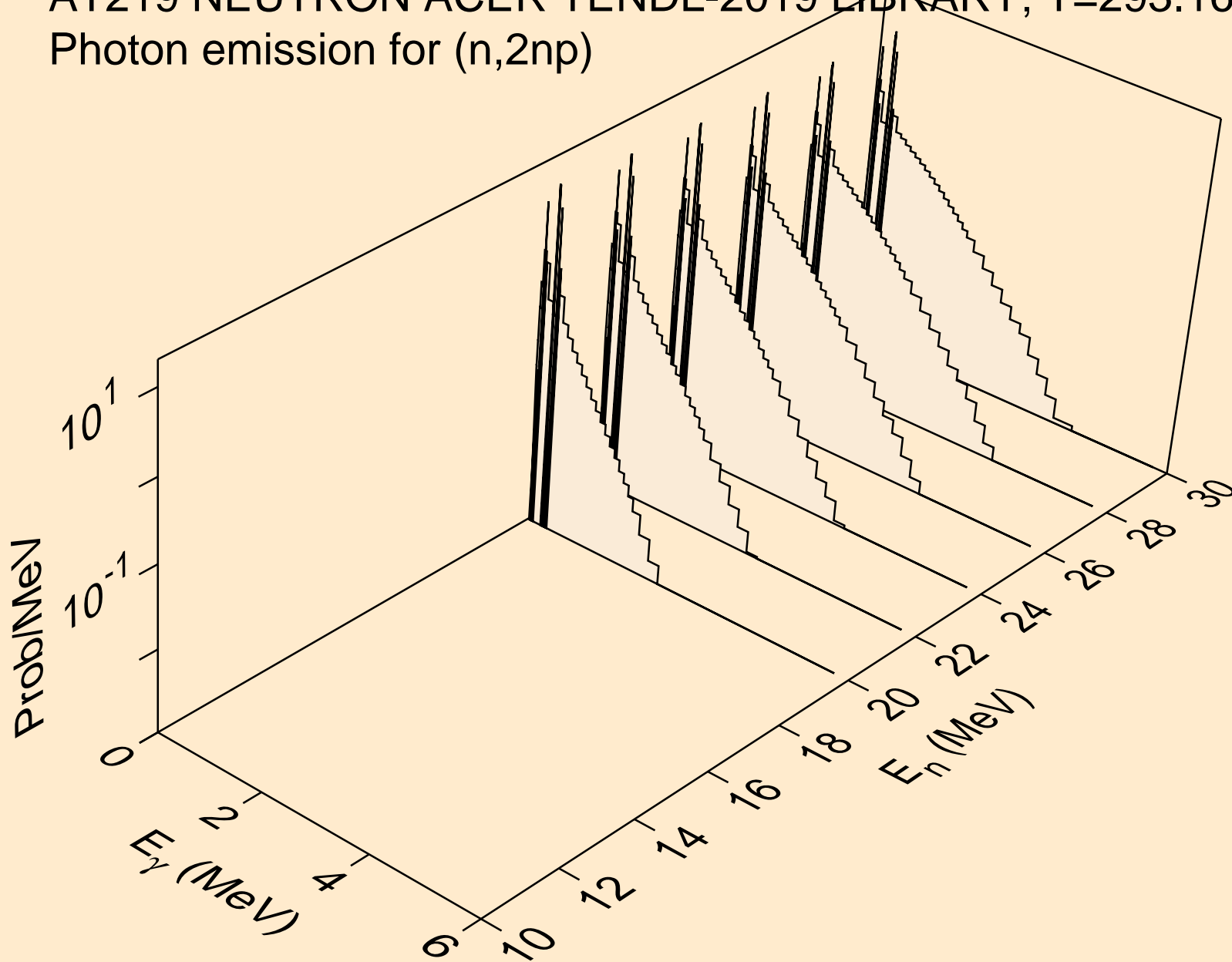
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Photon emission for (n,n\*)he3



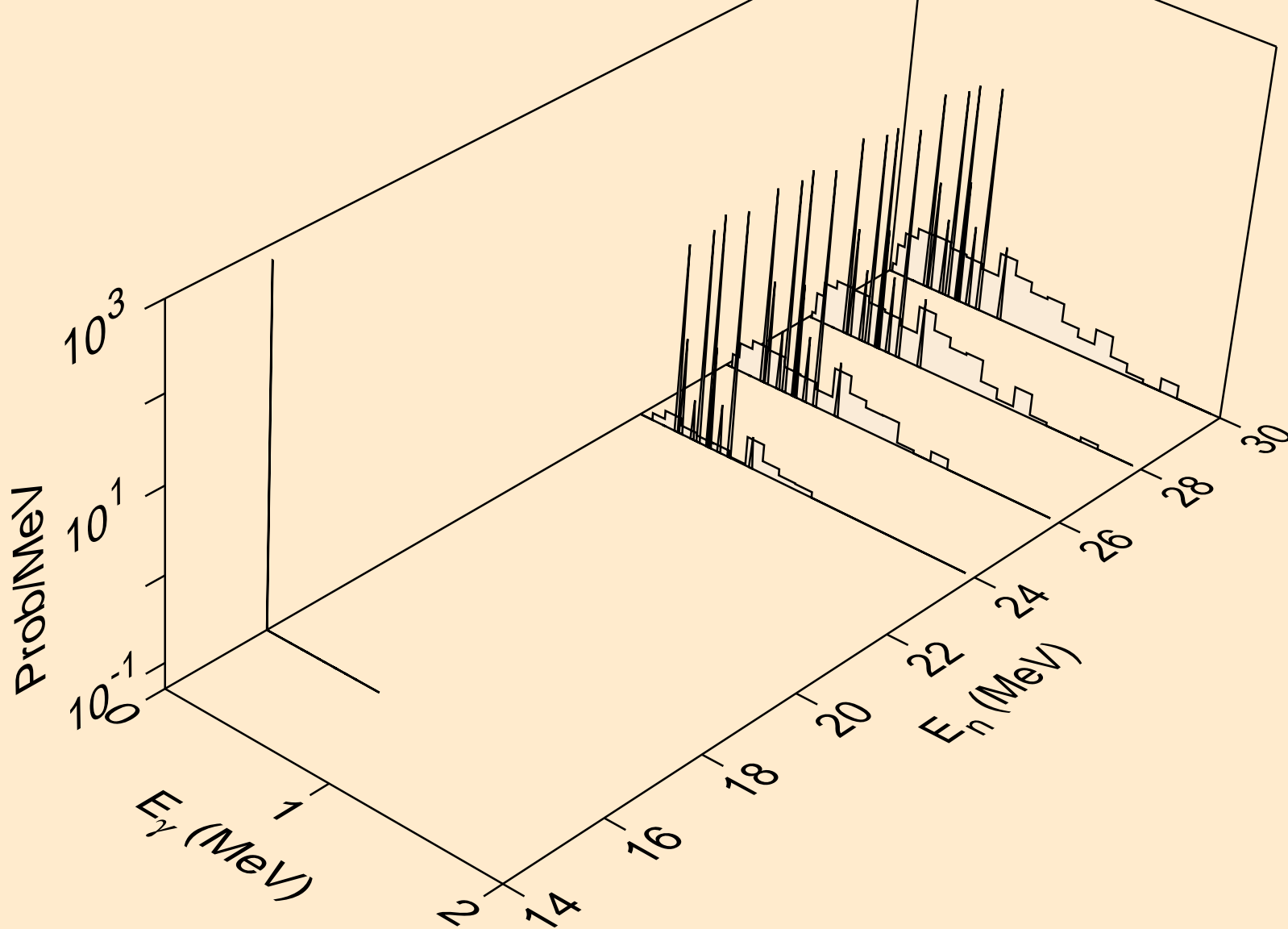
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Photon emission for (n,4n)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

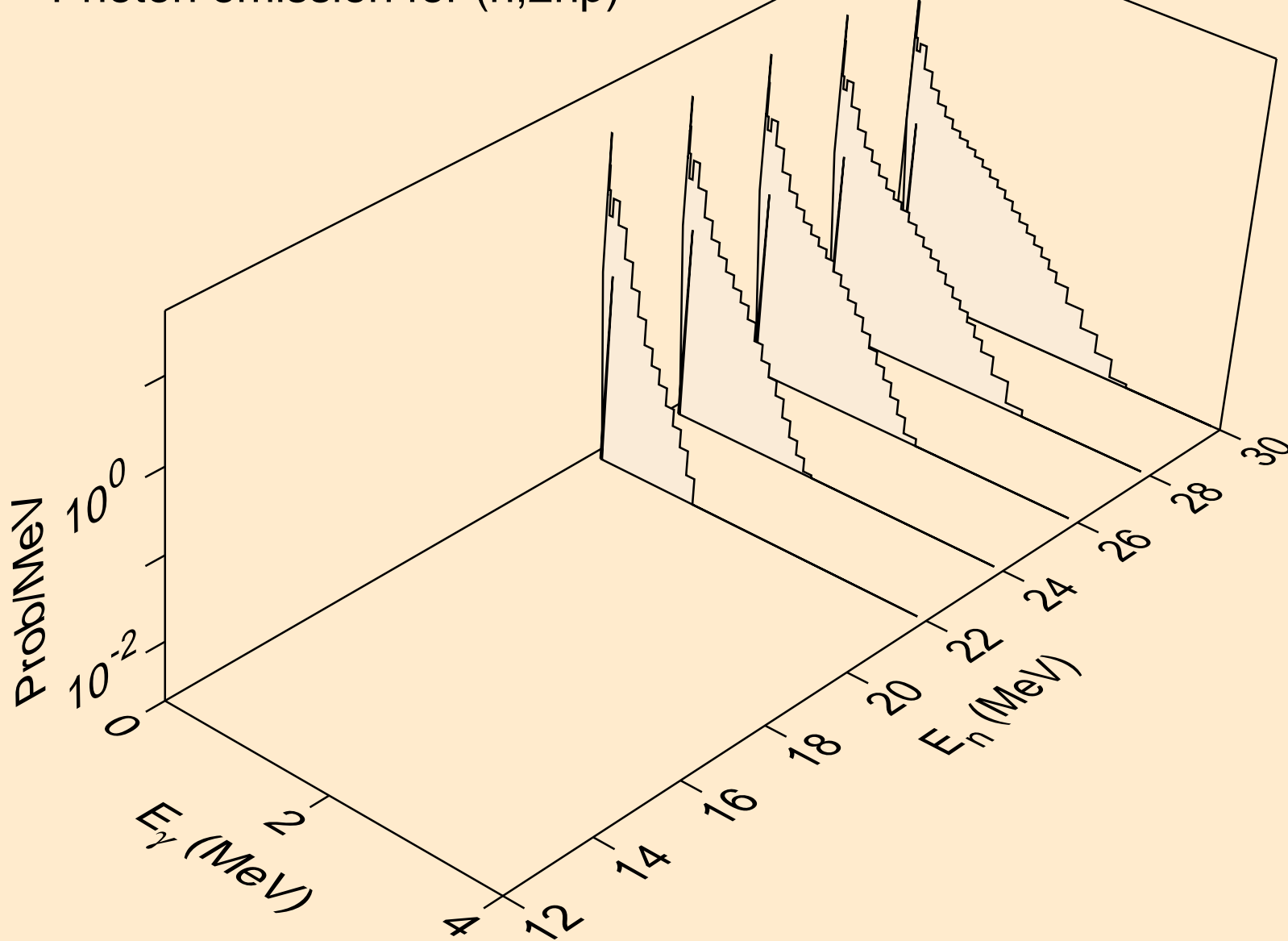


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Photon emission for (n,3np)

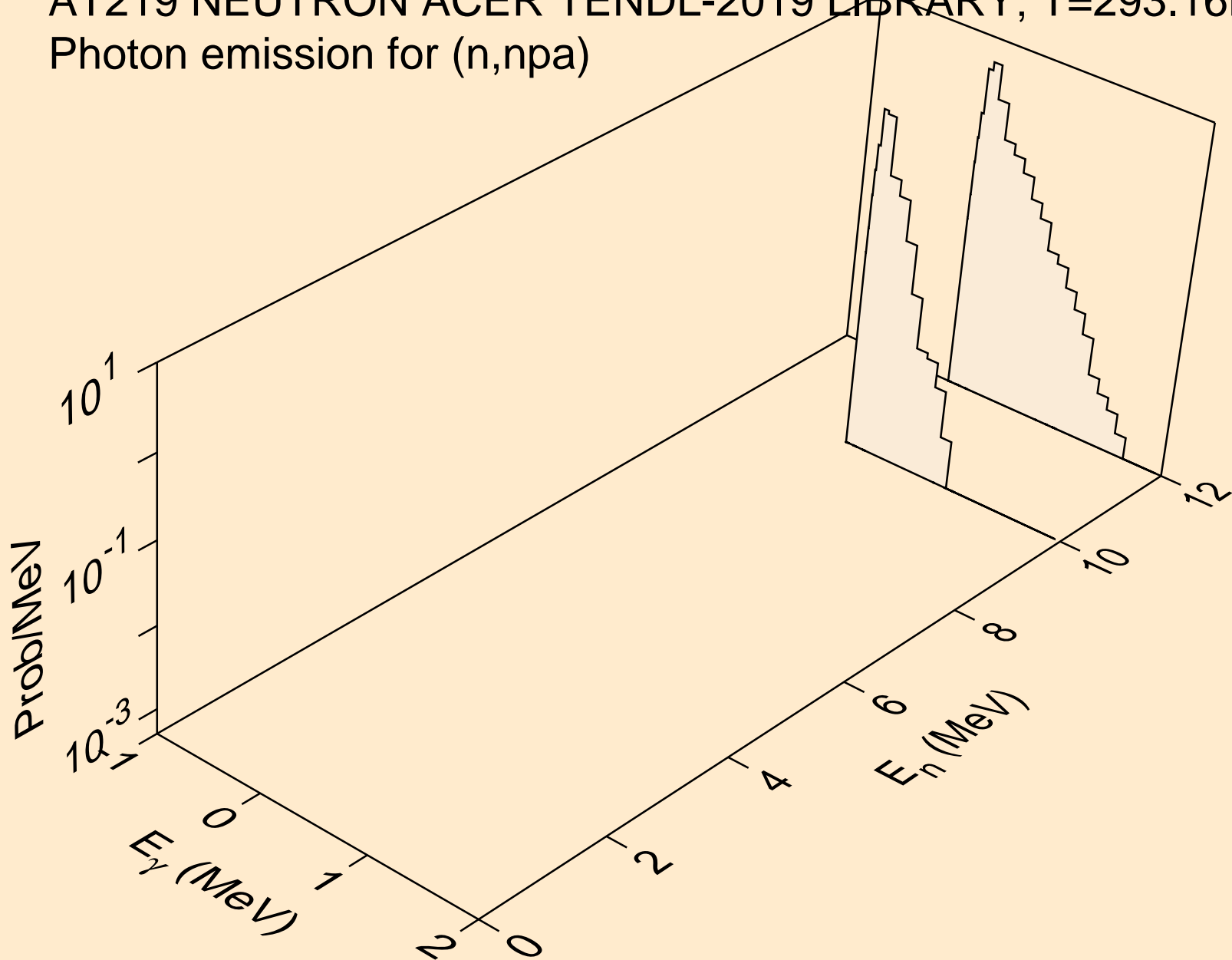




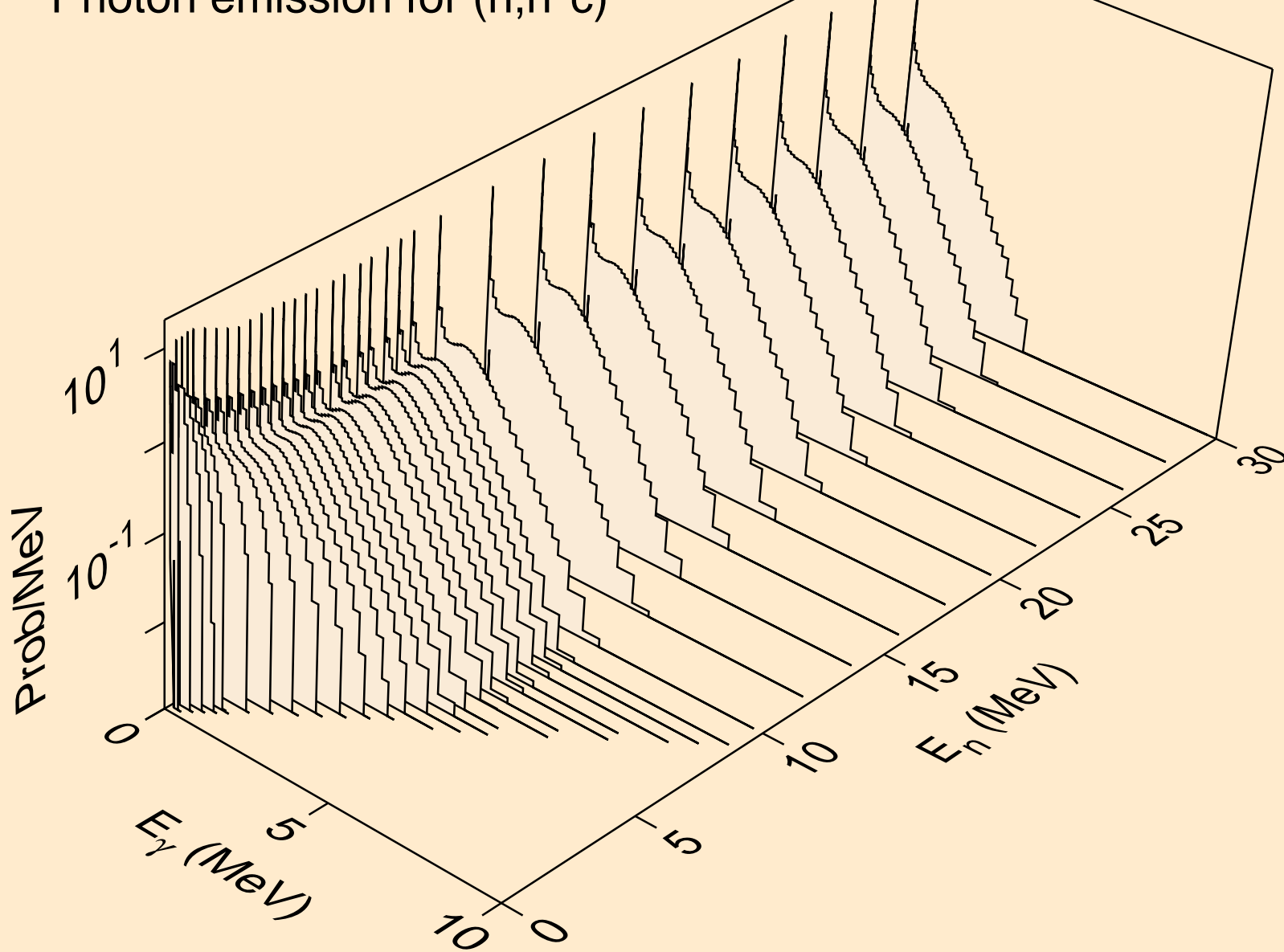
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Photon emission for (n,2np)



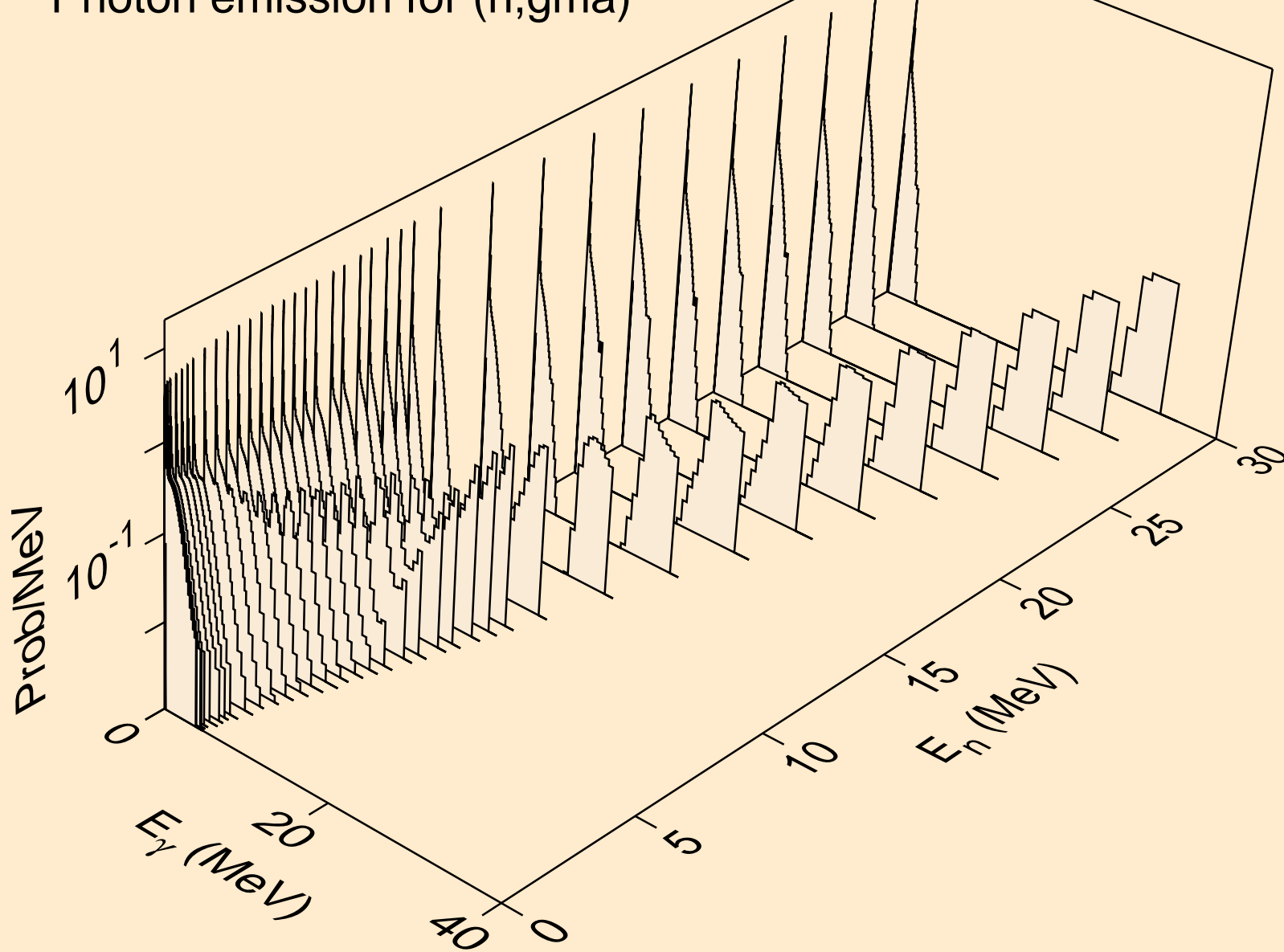
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Photon emission for (n,npa)



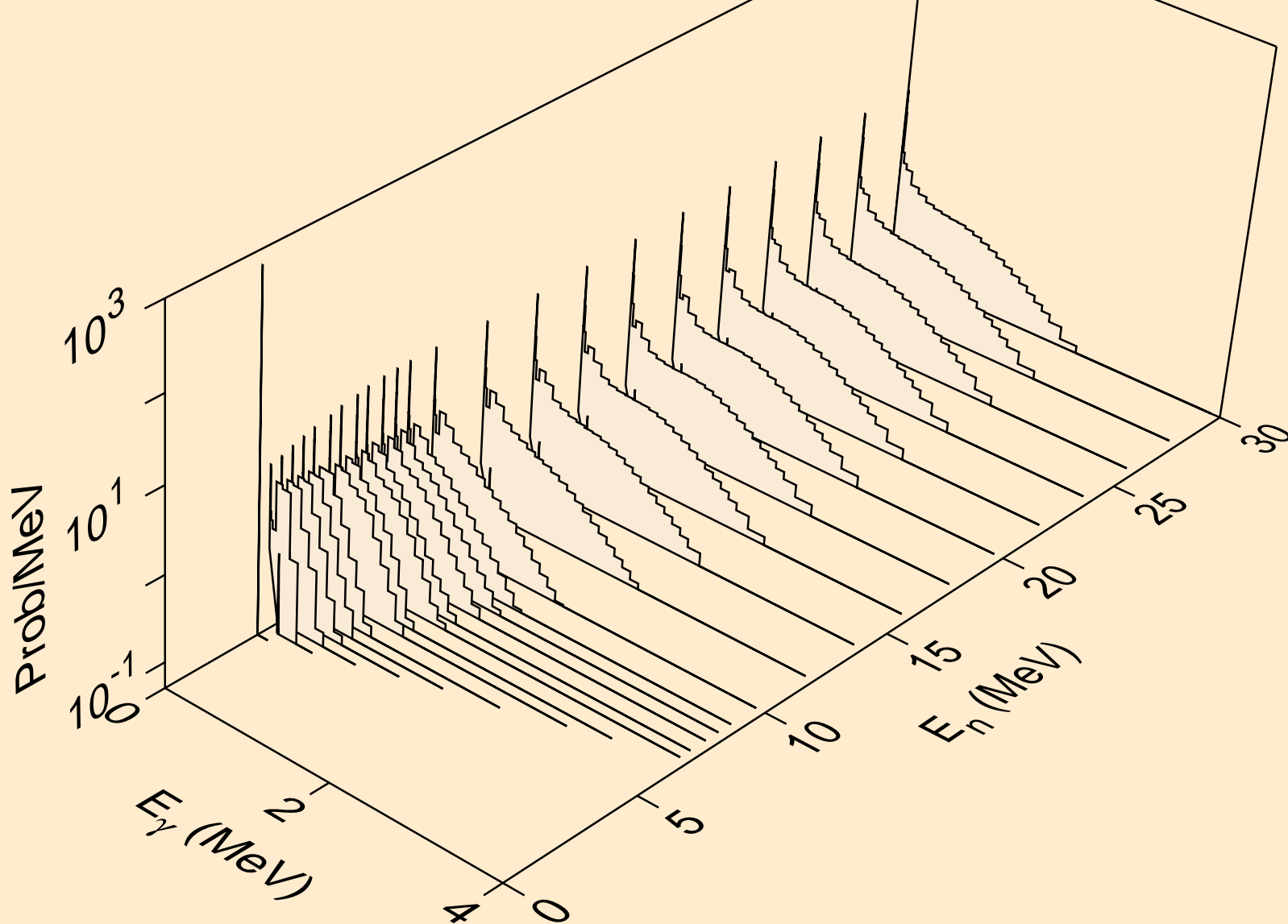
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Photon emission for (n,n\*c)



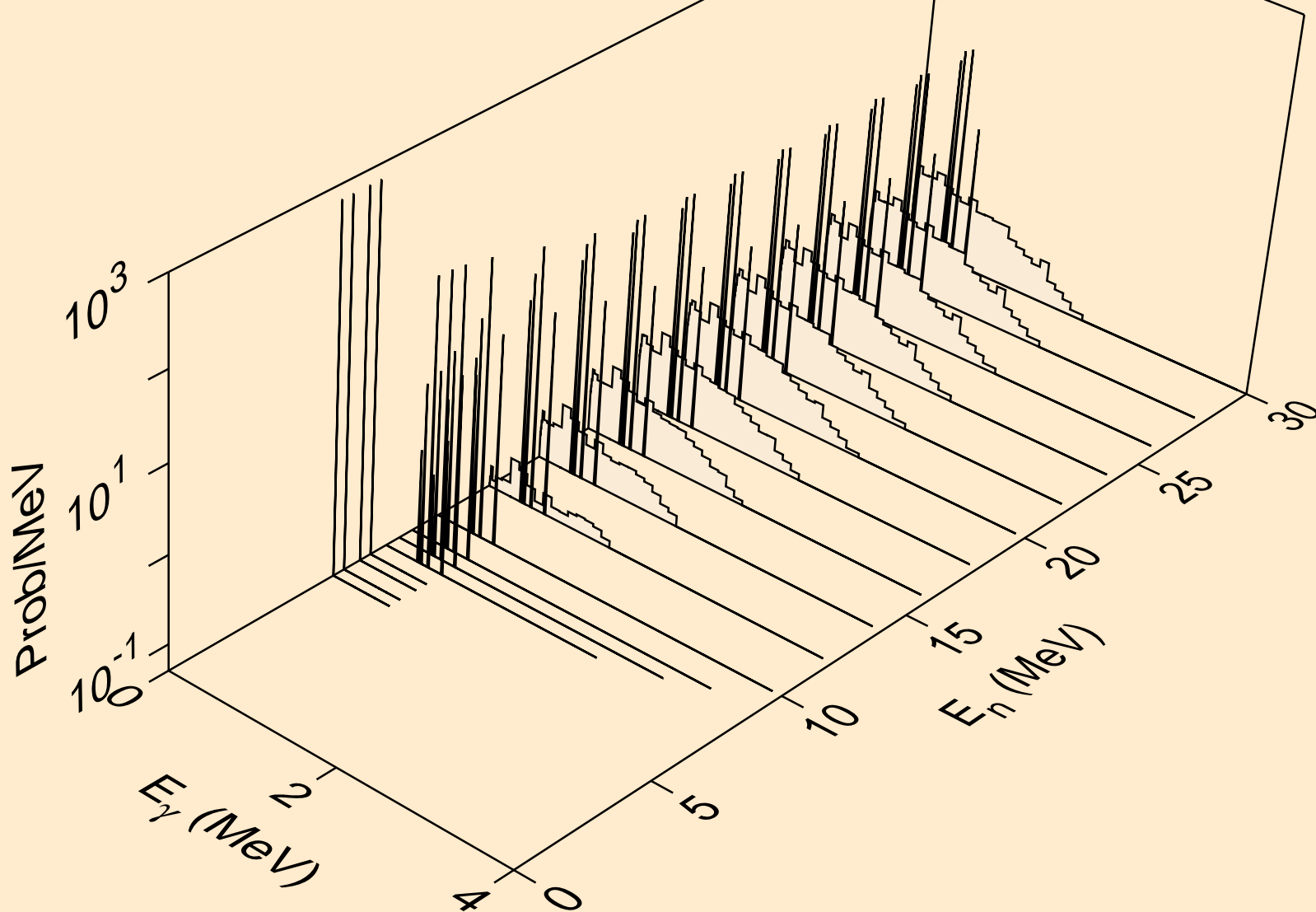
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



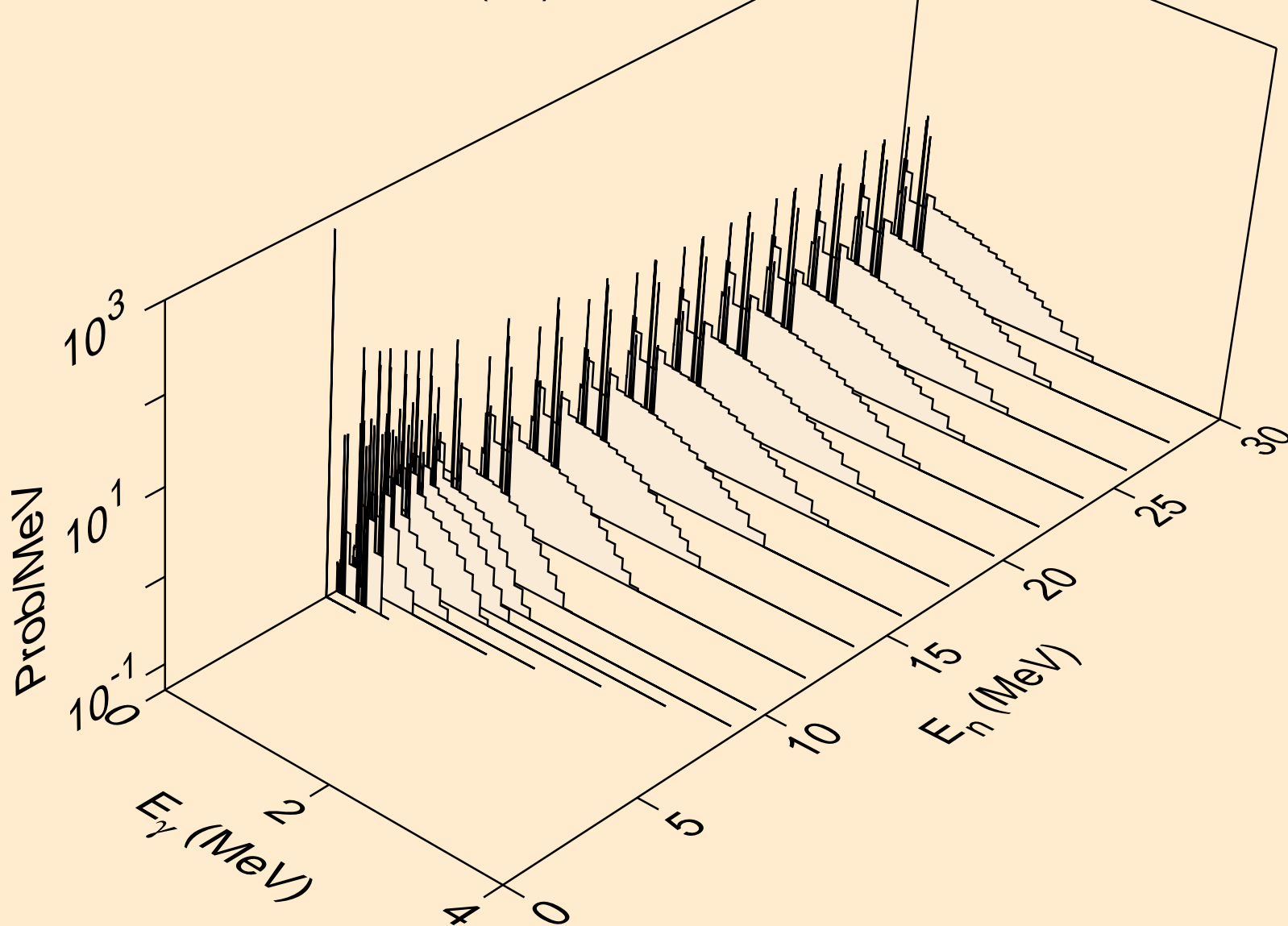
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



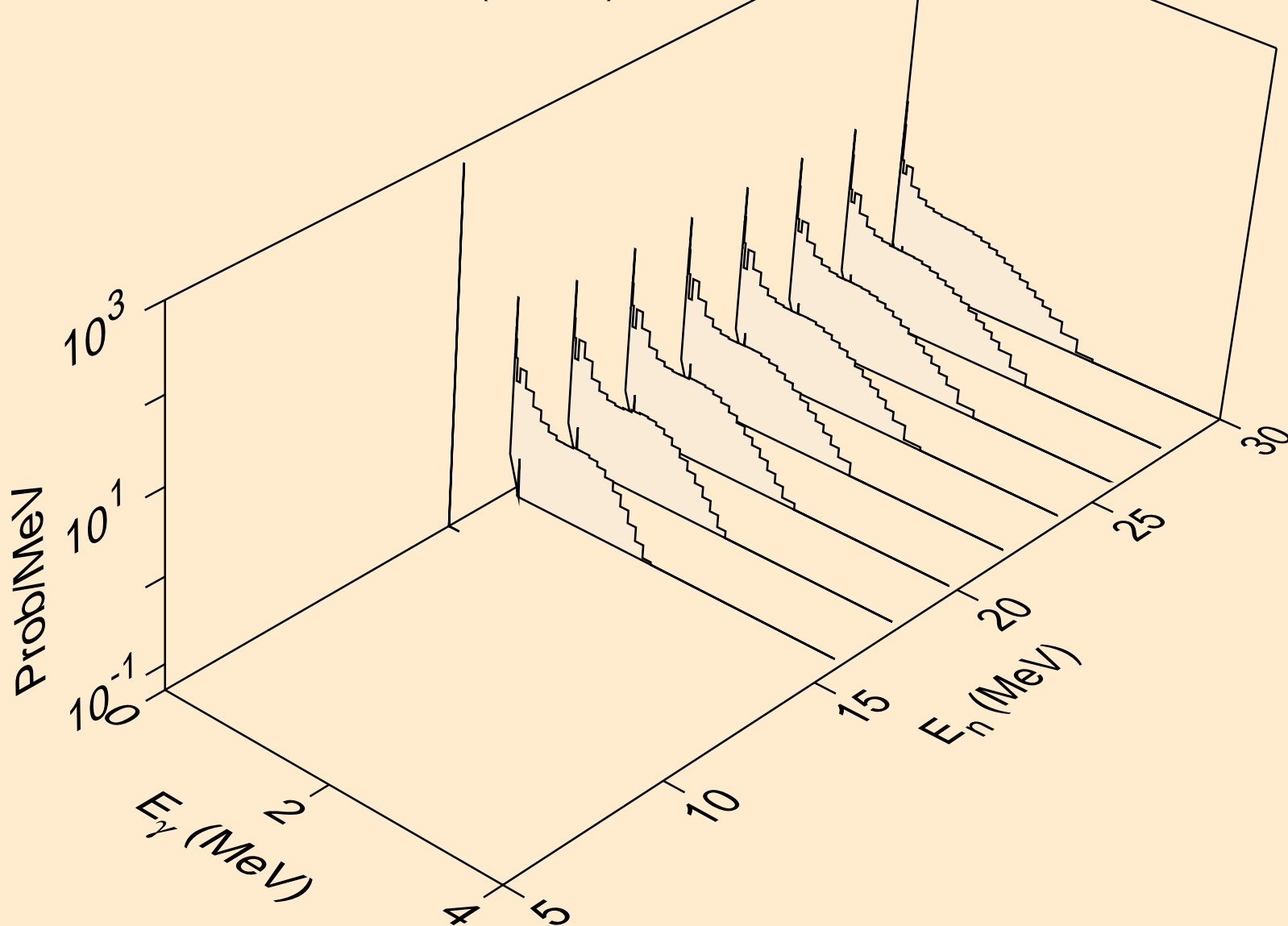
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

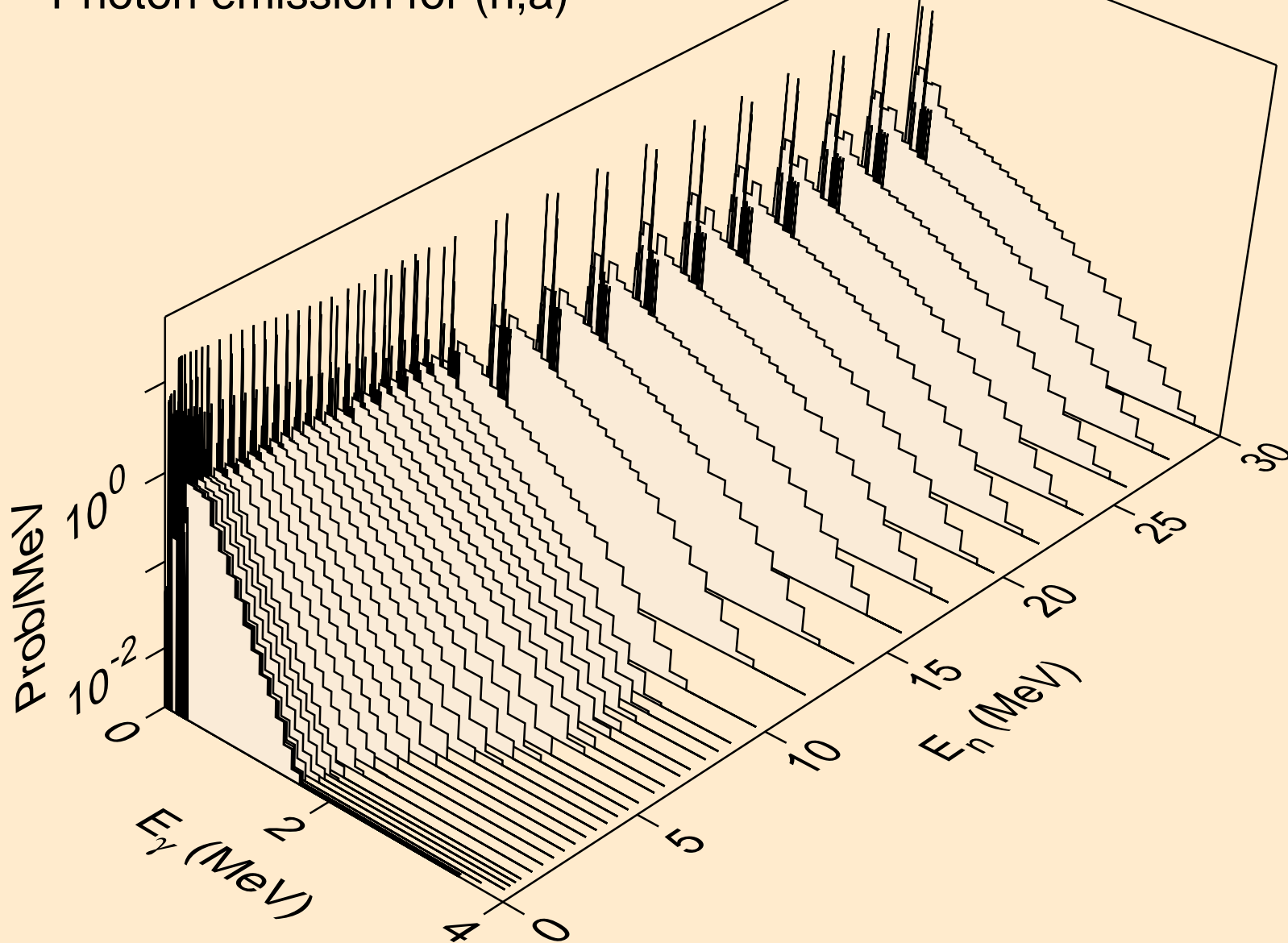


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Photon emission for (n,he3)

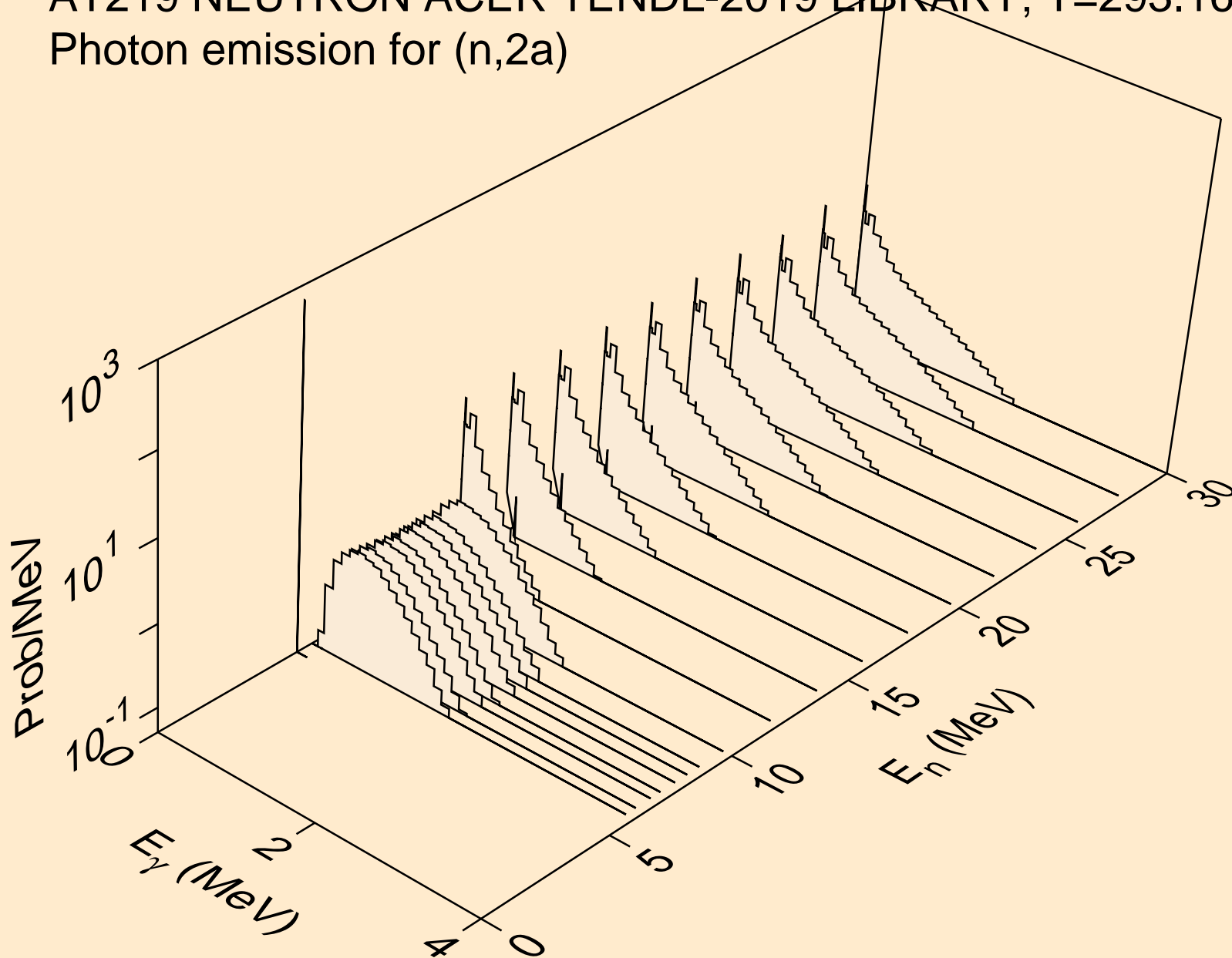




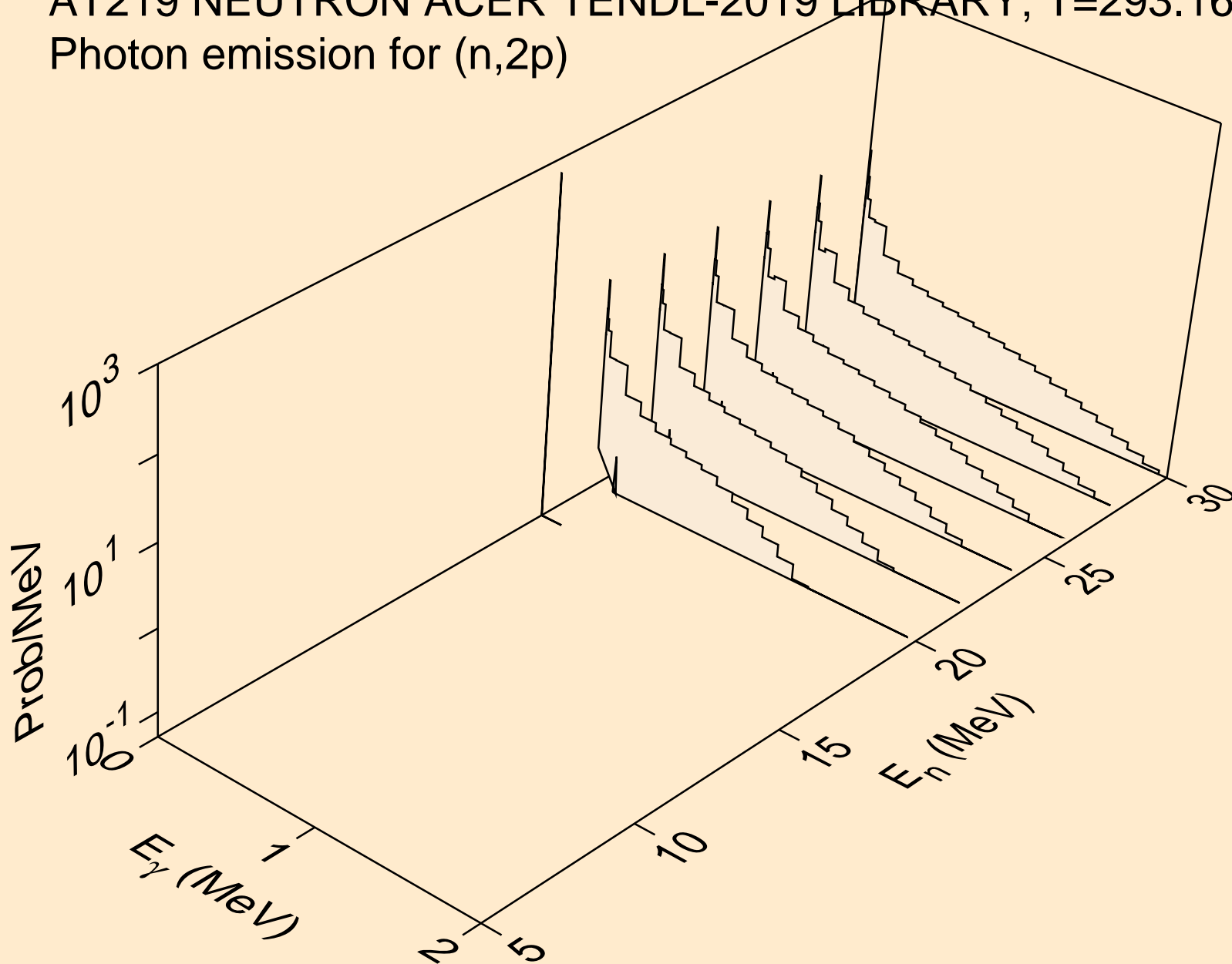
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Photon emission for (n,a)



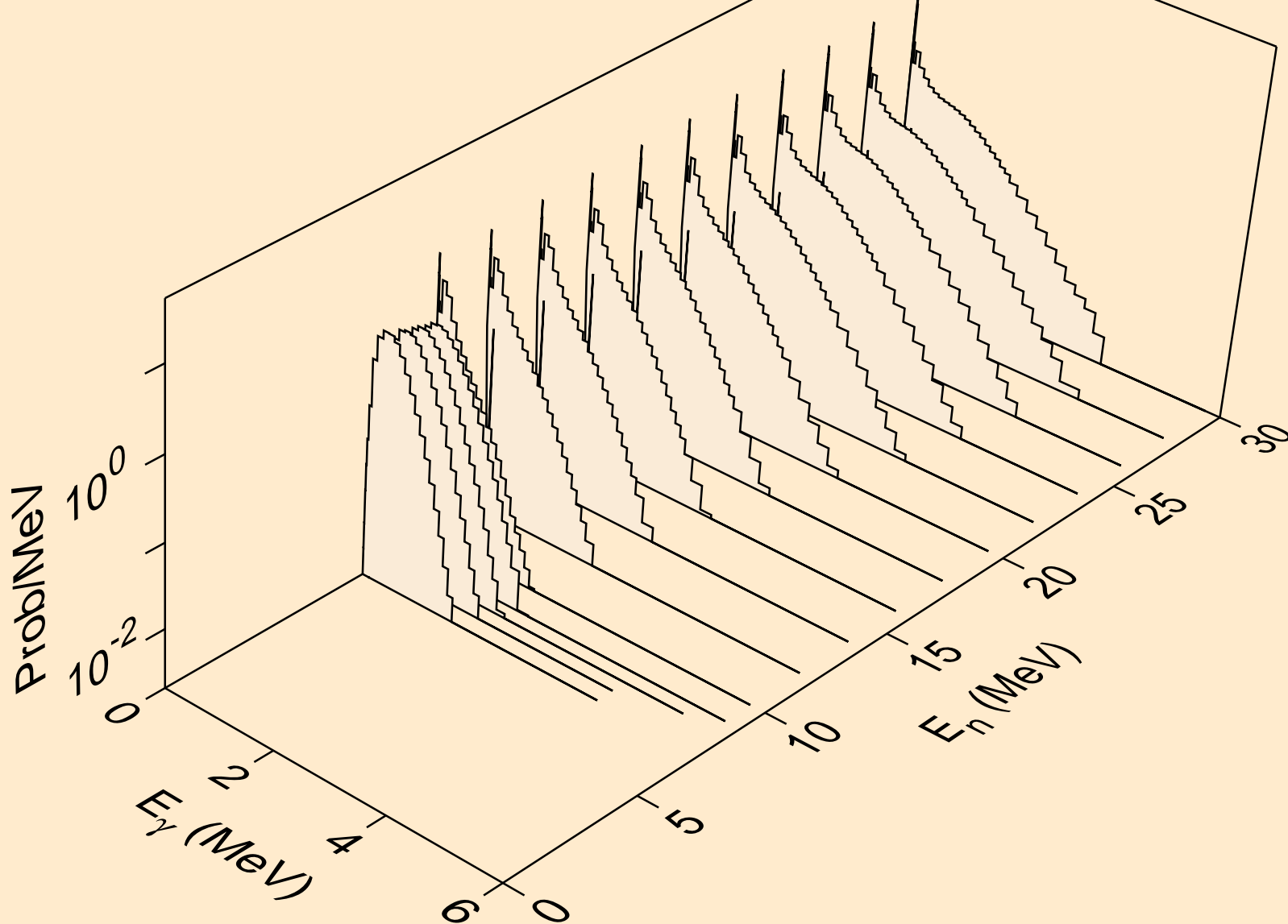
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Photon emission for (n,2a)



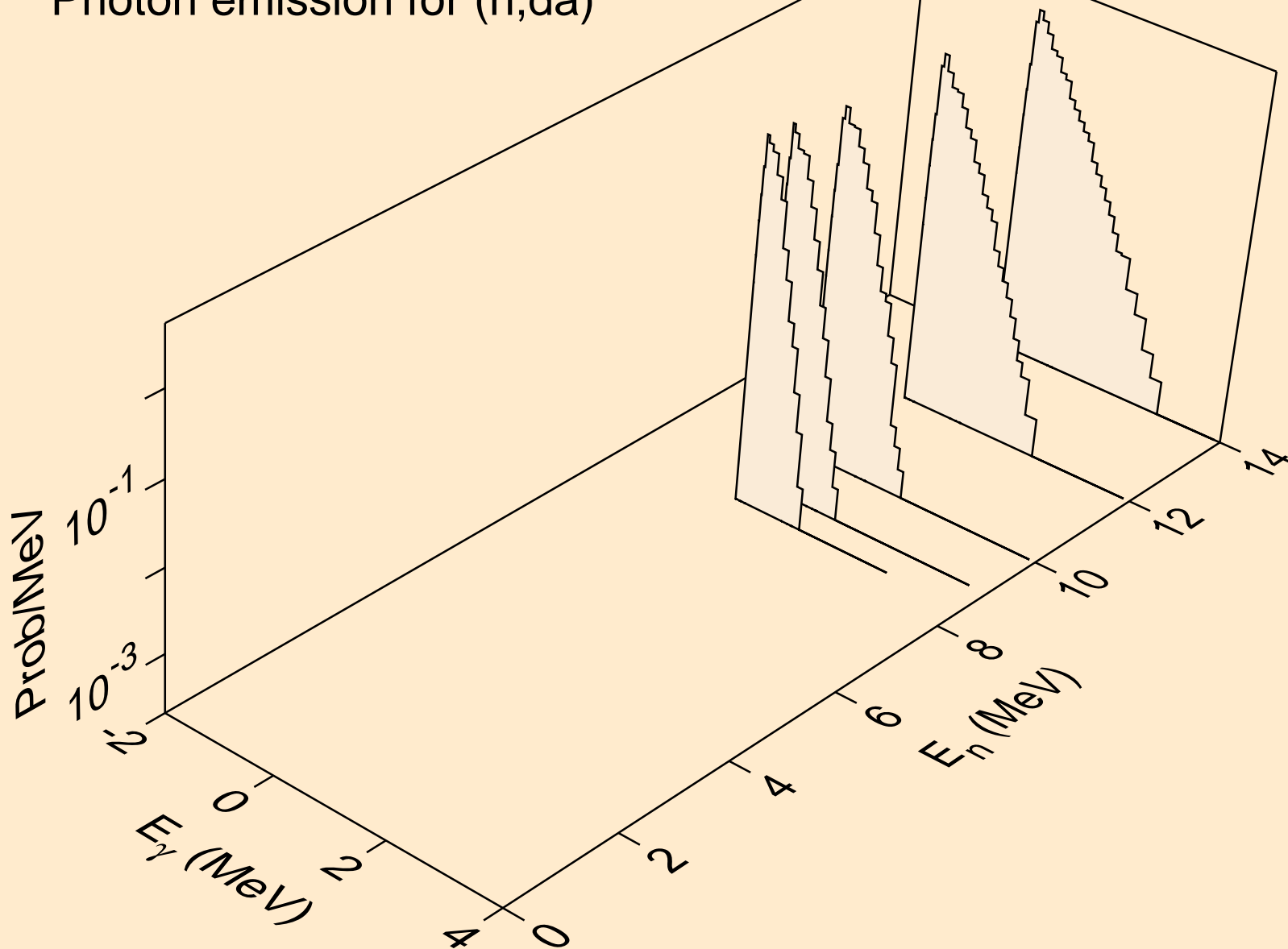
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Photon emission for (n,2p)



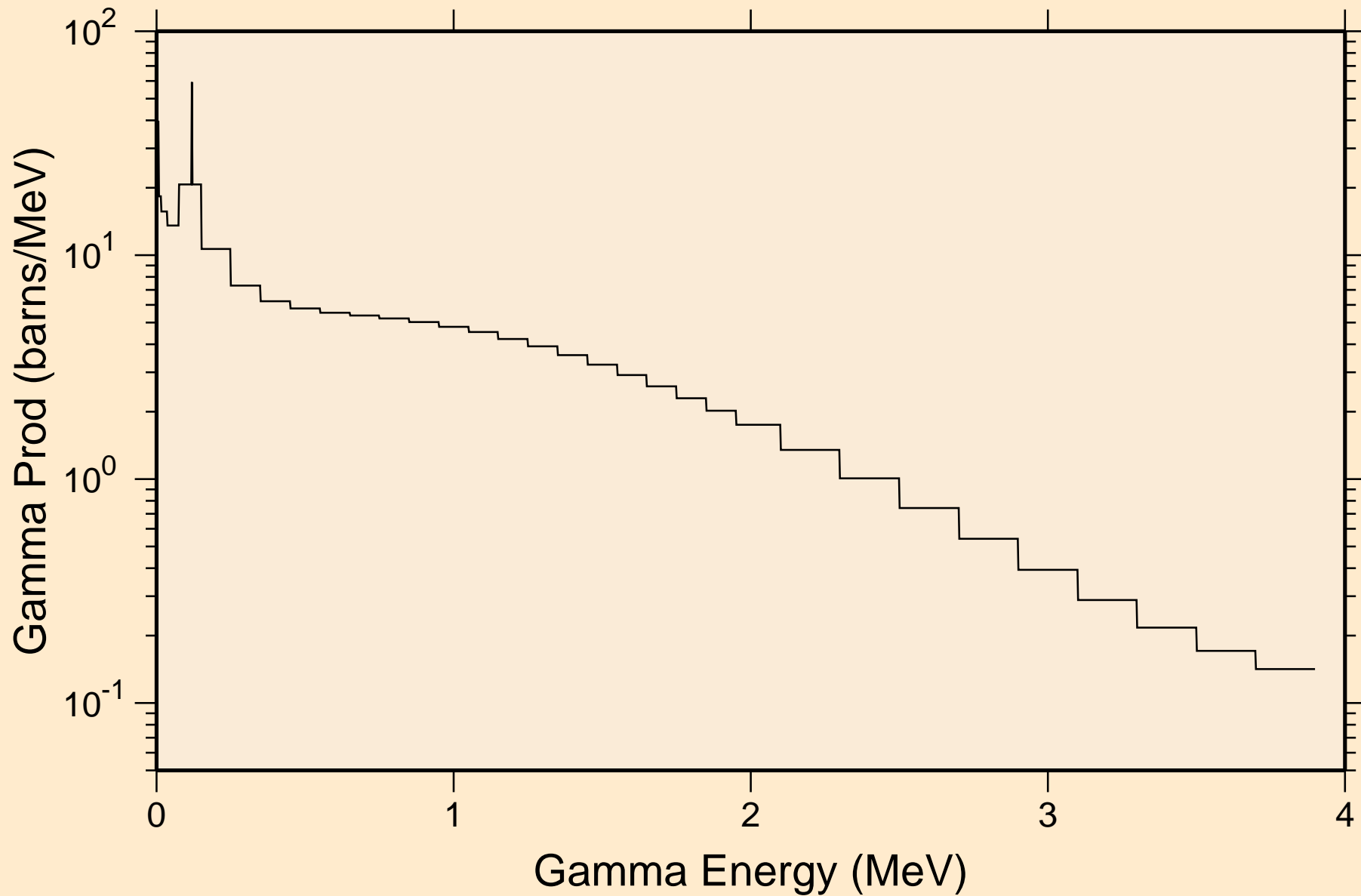
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Photon emission for (n,p $\alpha$ )



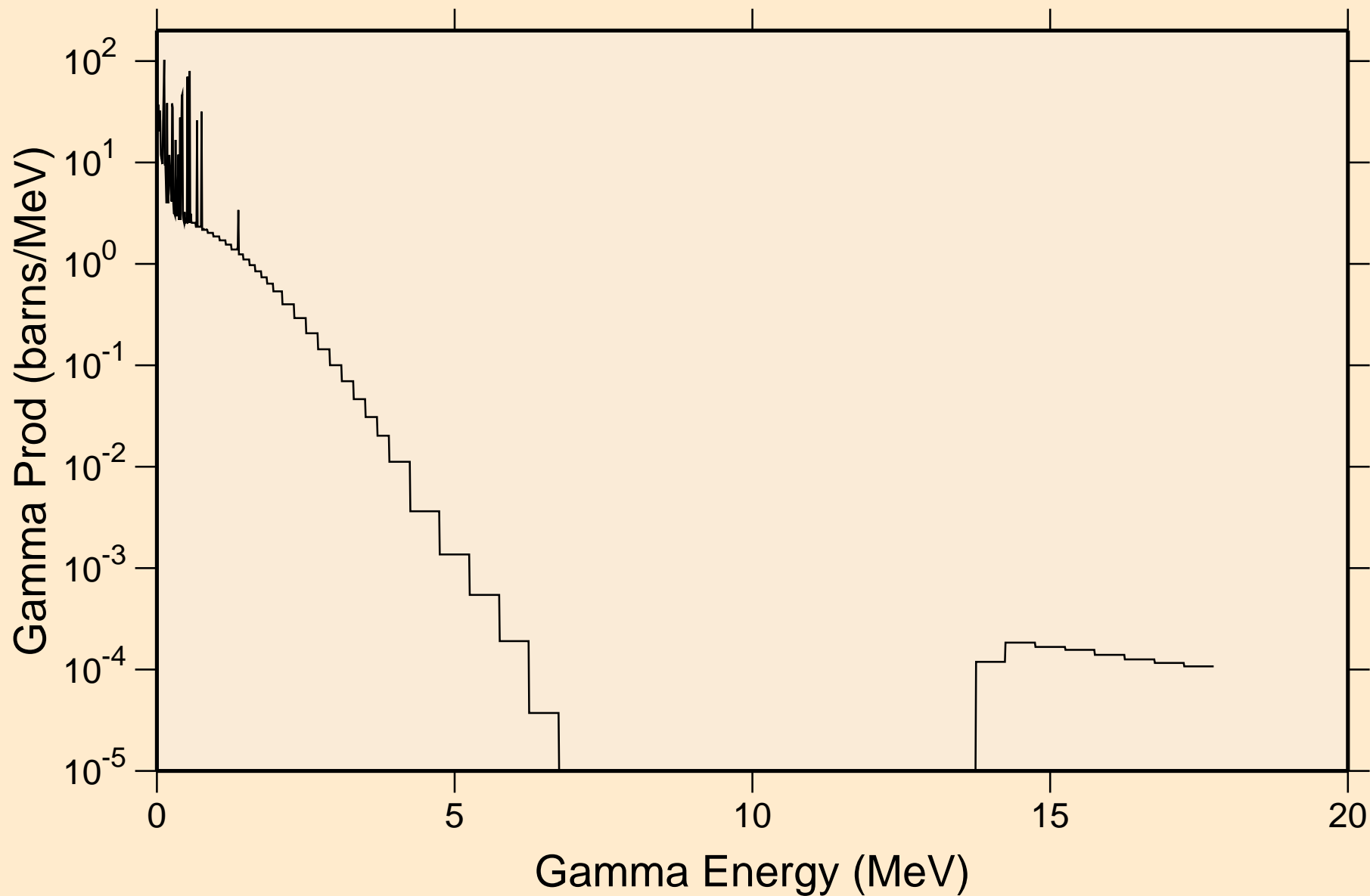
AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

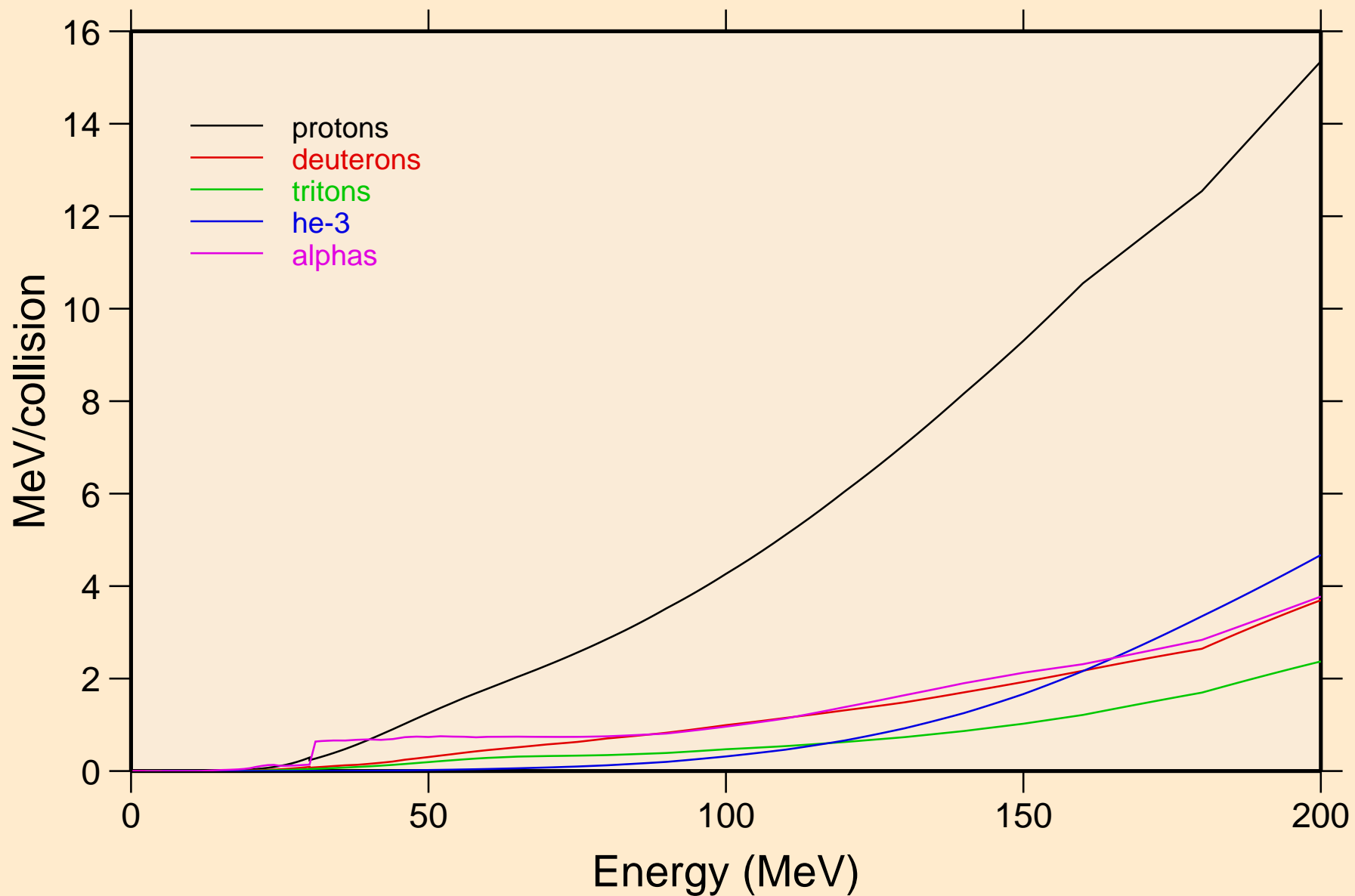


AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



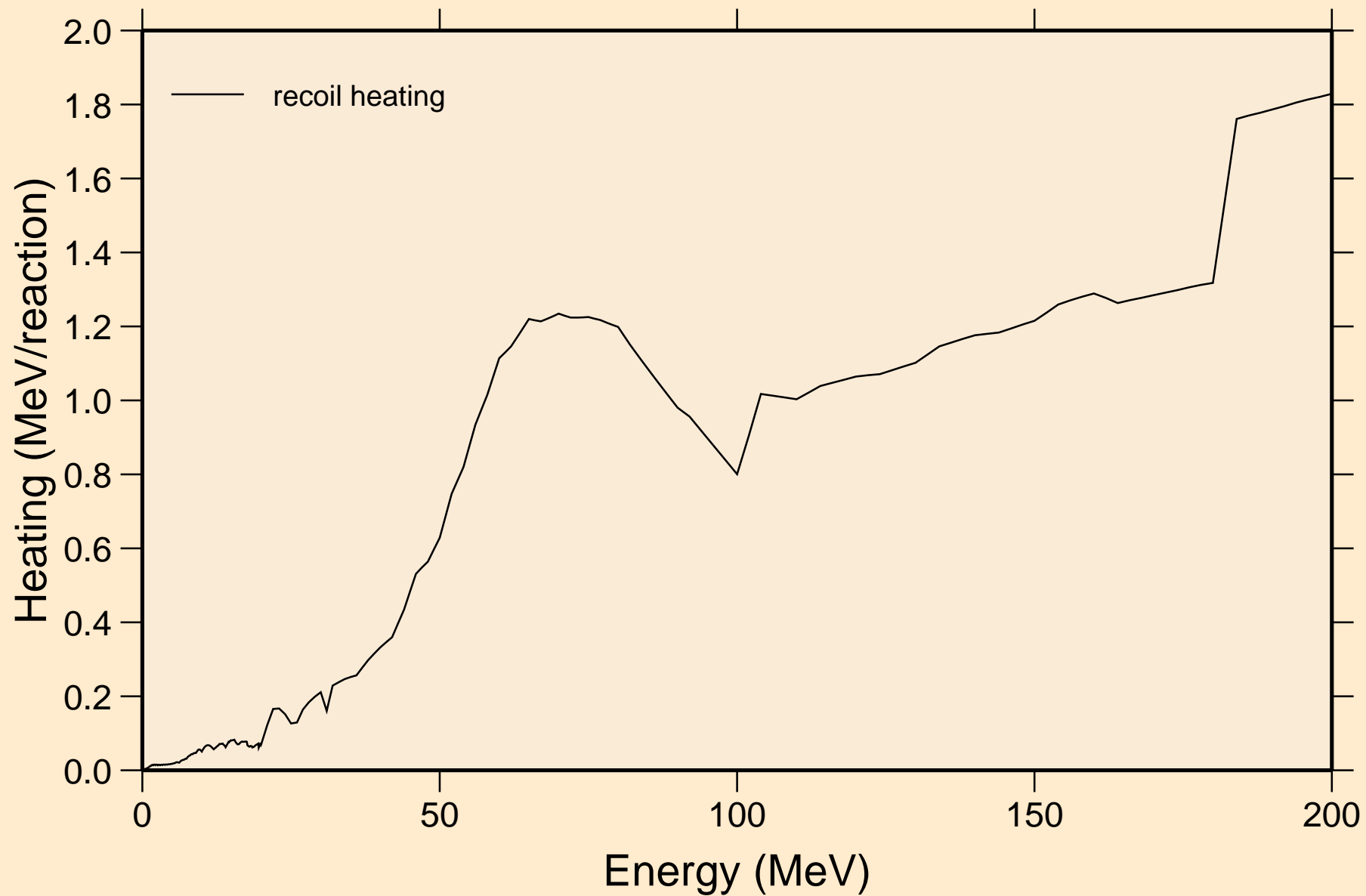
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## Particle heating contributions

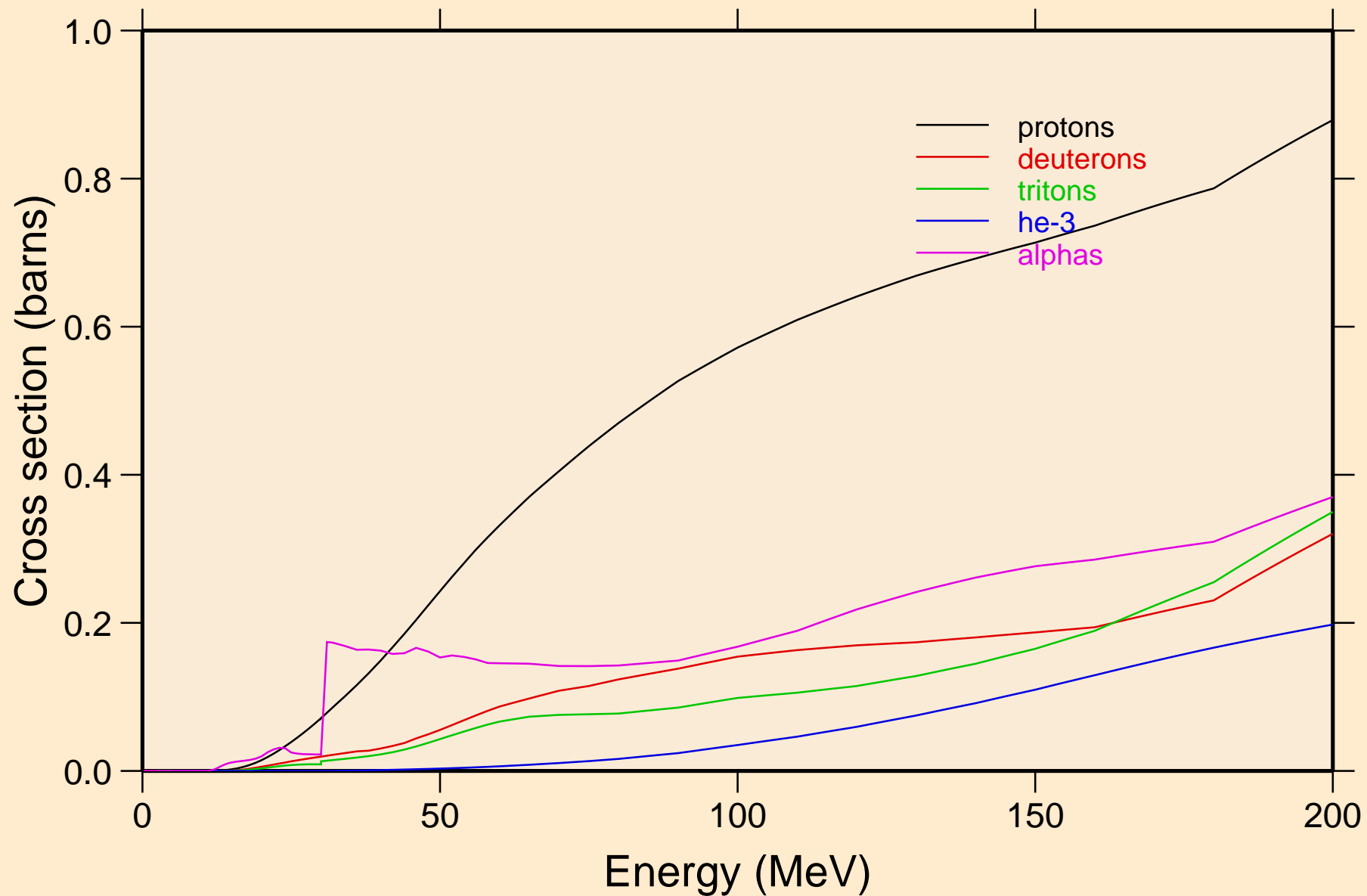




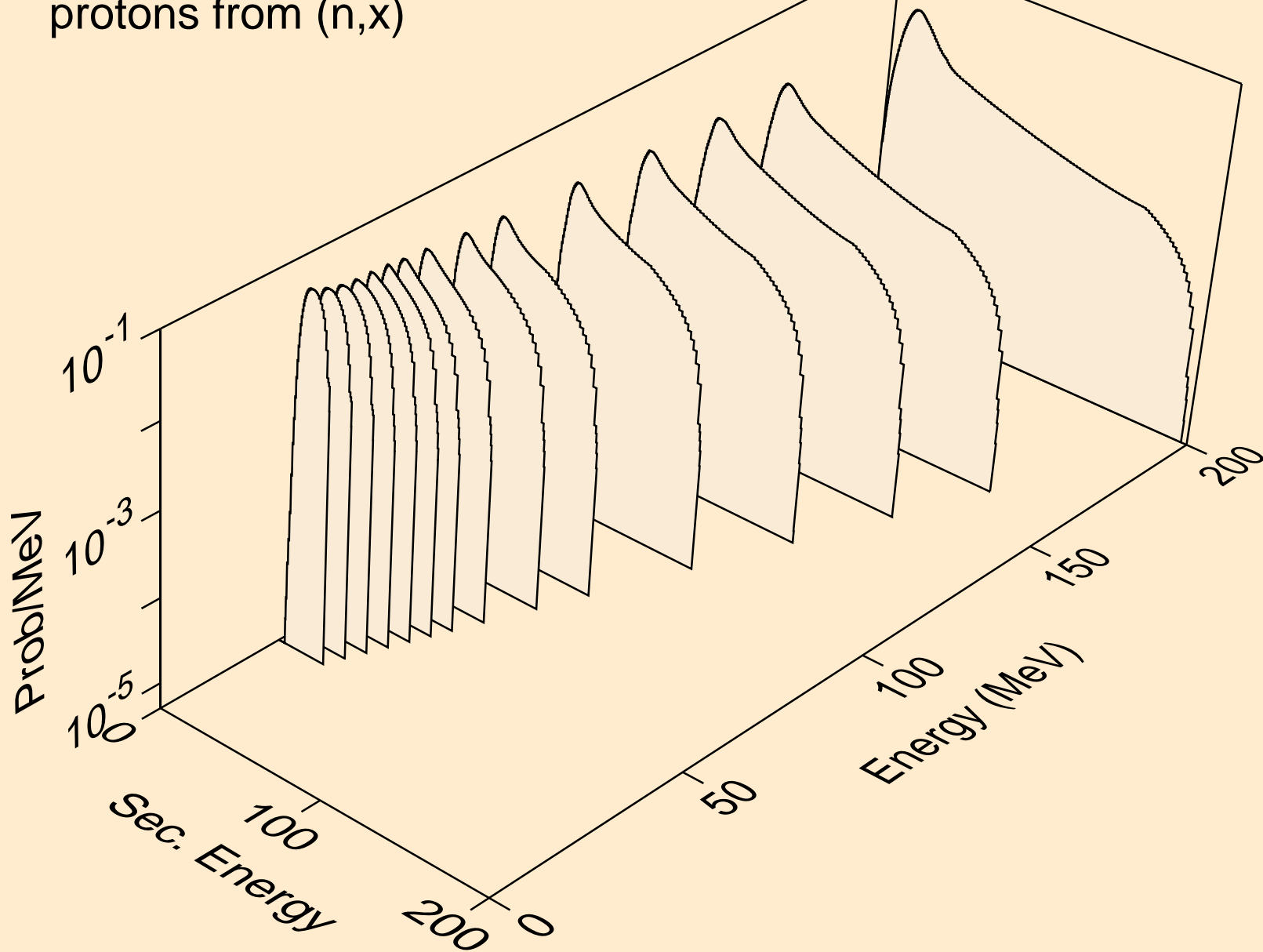
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Recoil Heating



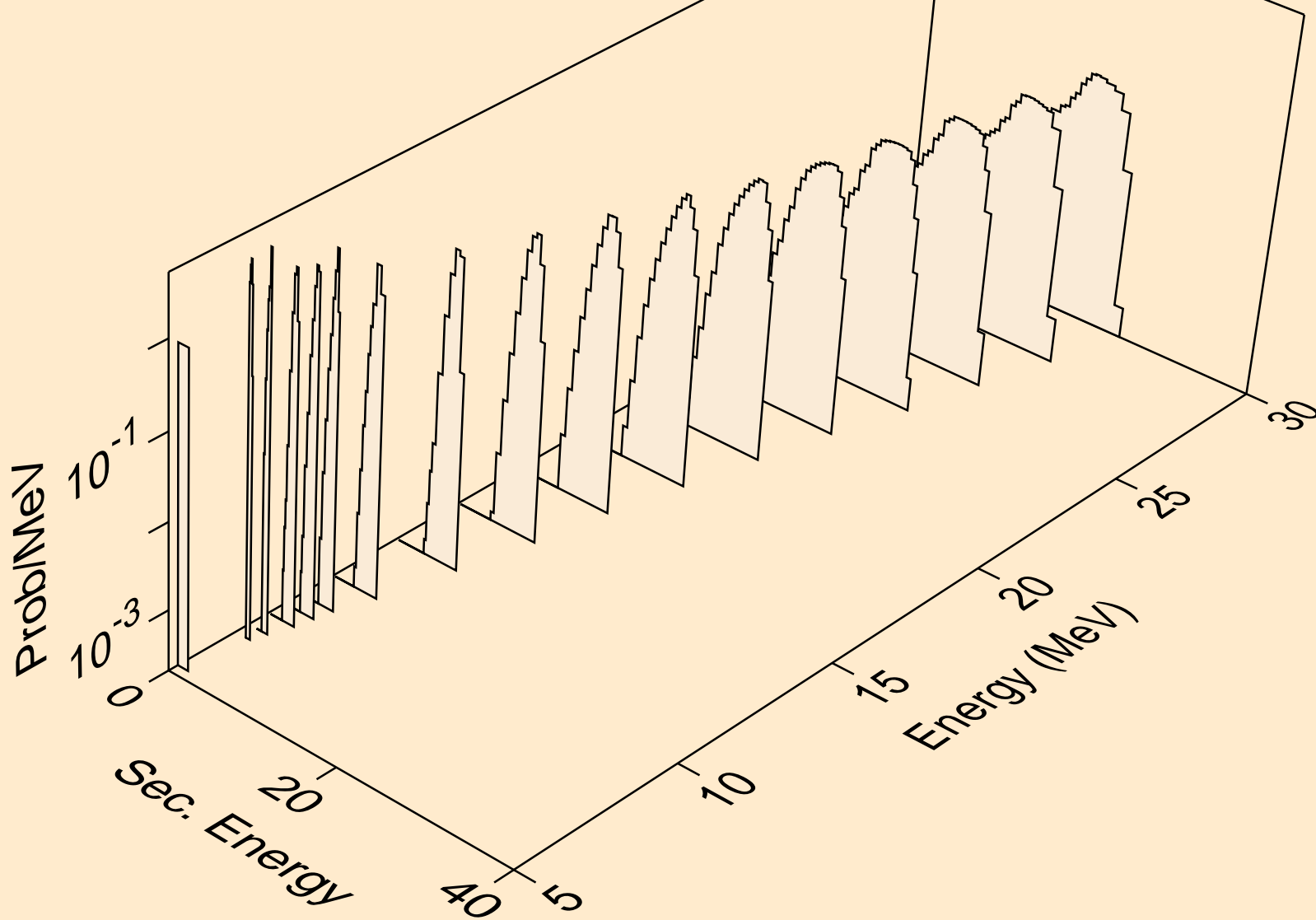
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Particle production cross sections



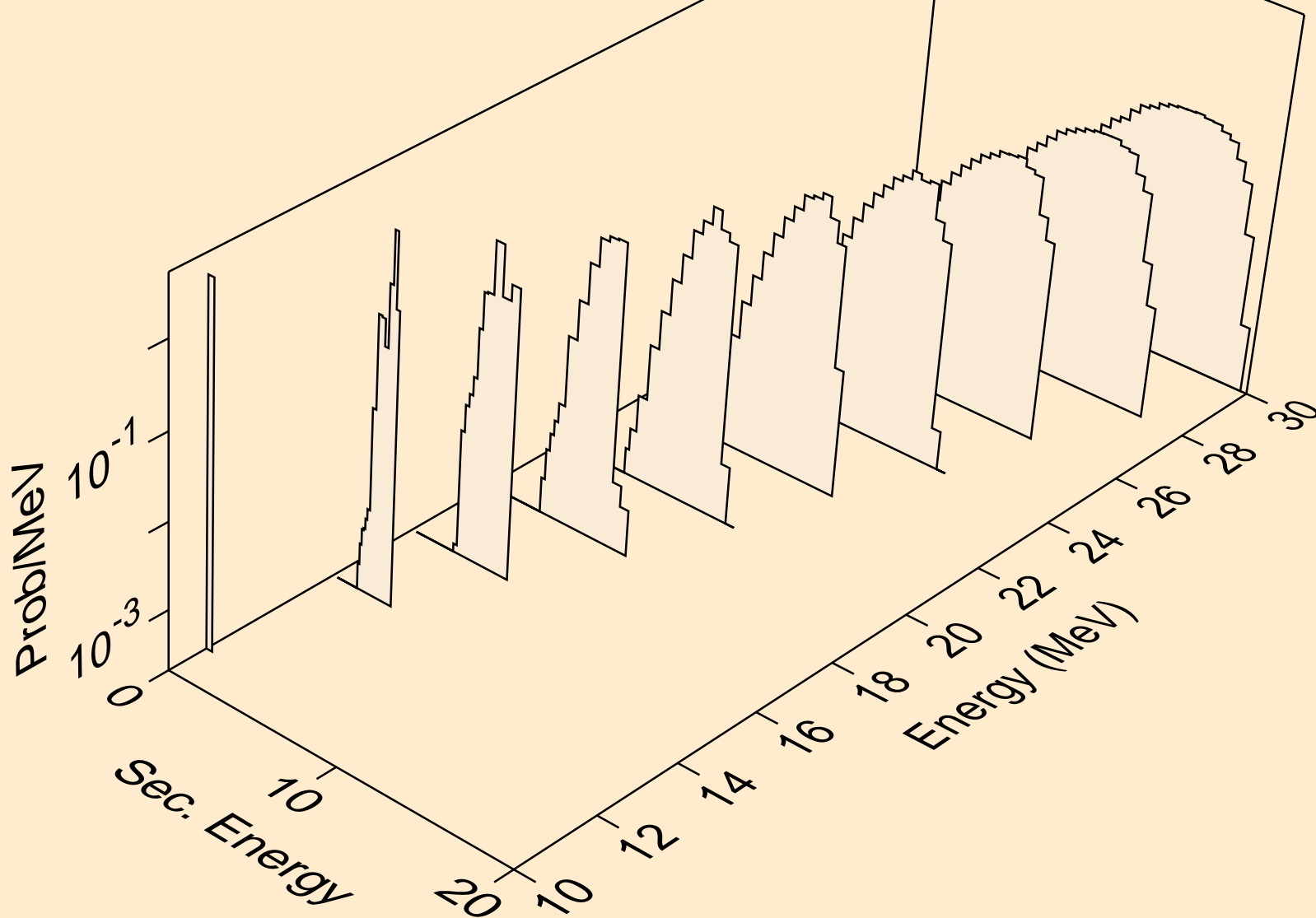
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protons from (n,x)



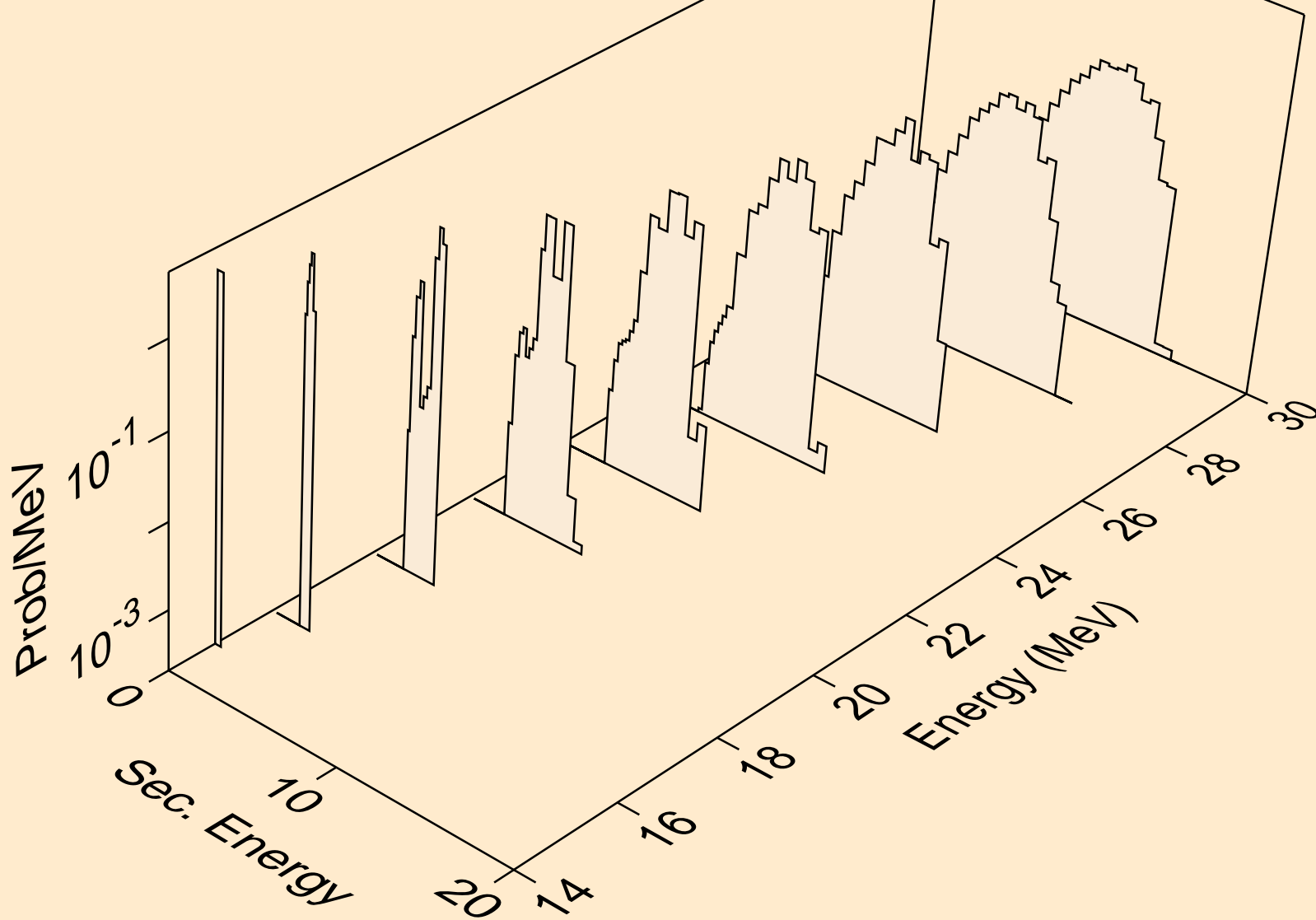
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protons from (n,n\*)p



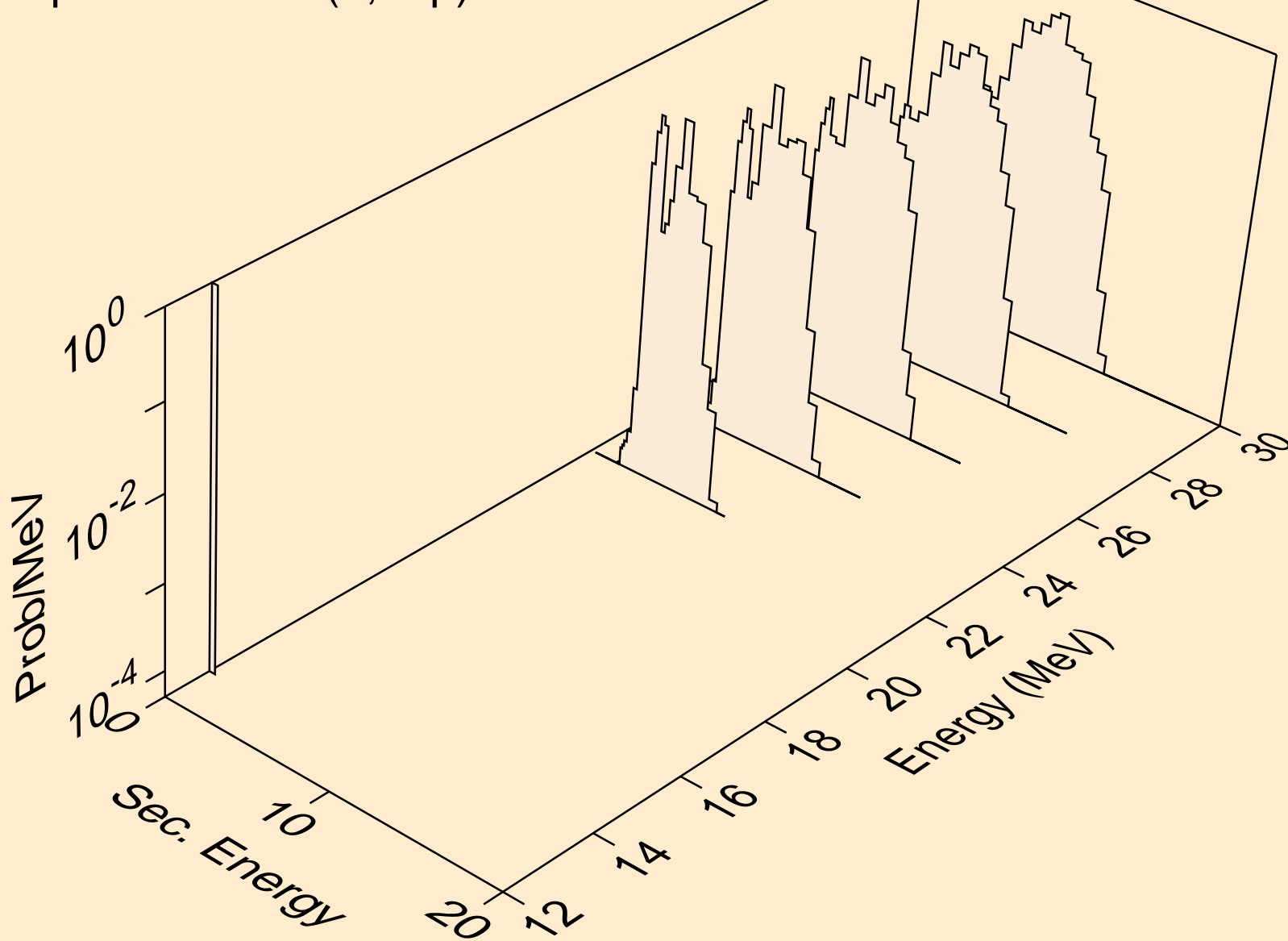
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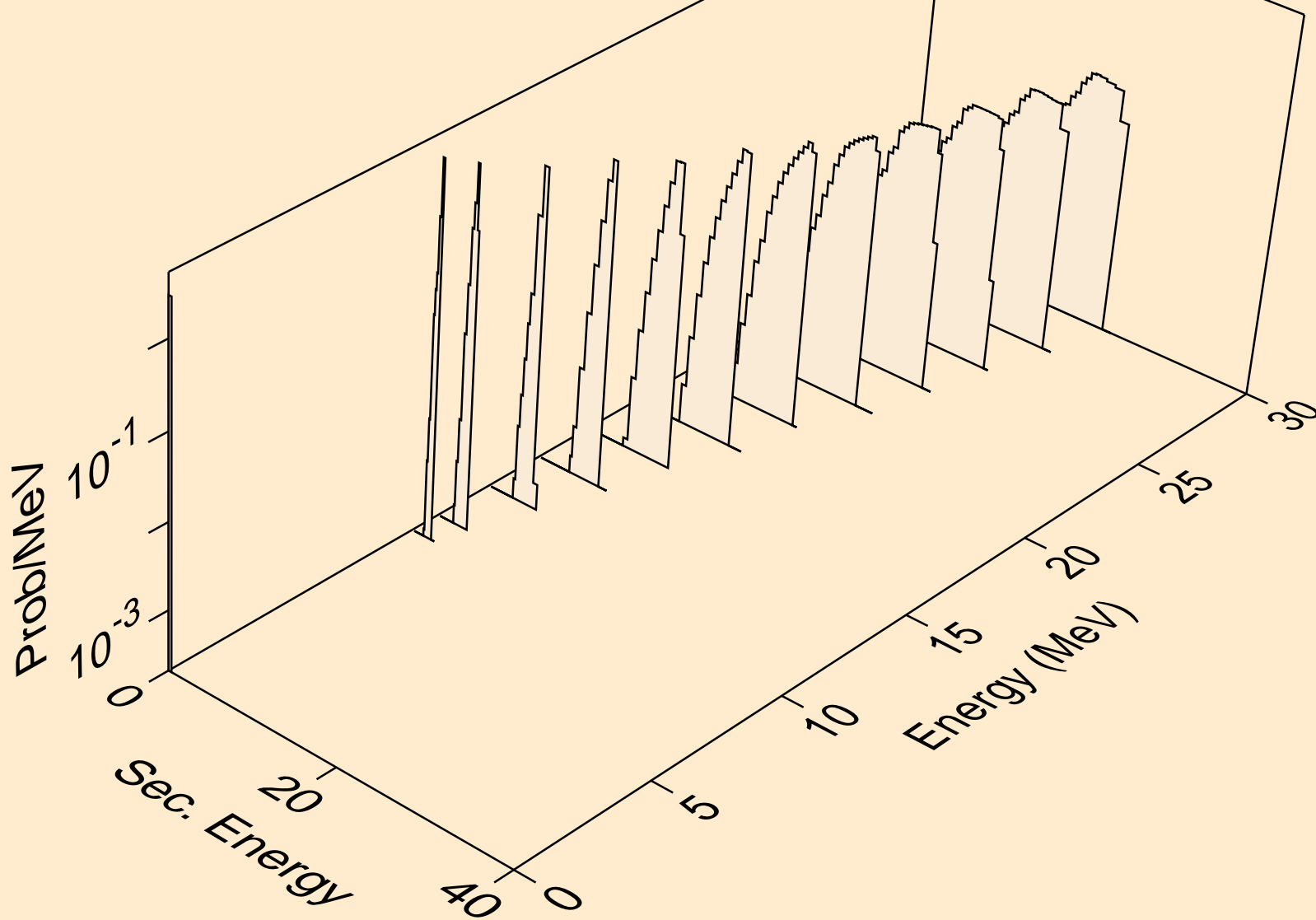
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protons from (n,3np)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

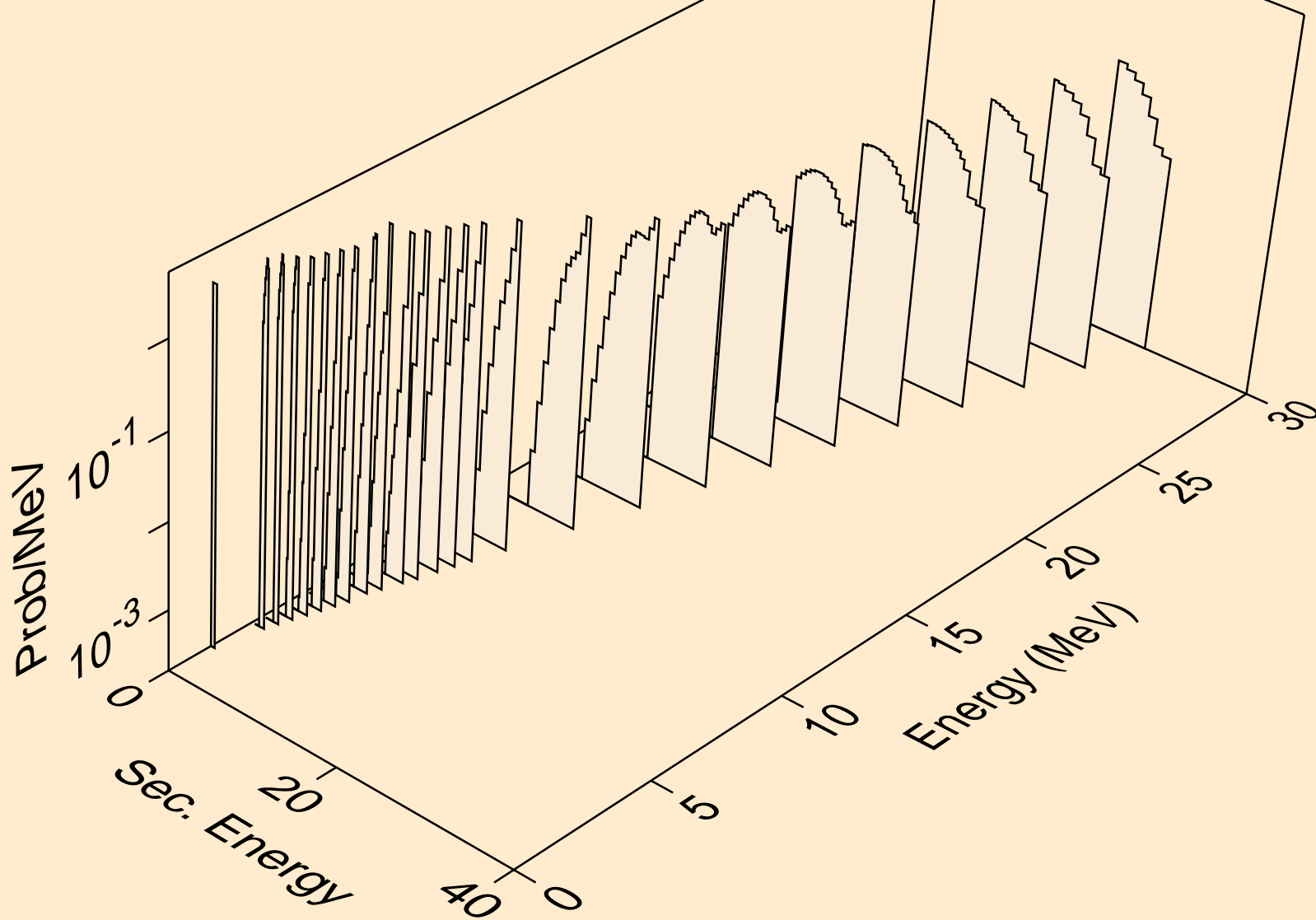


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protons from (n,npa)

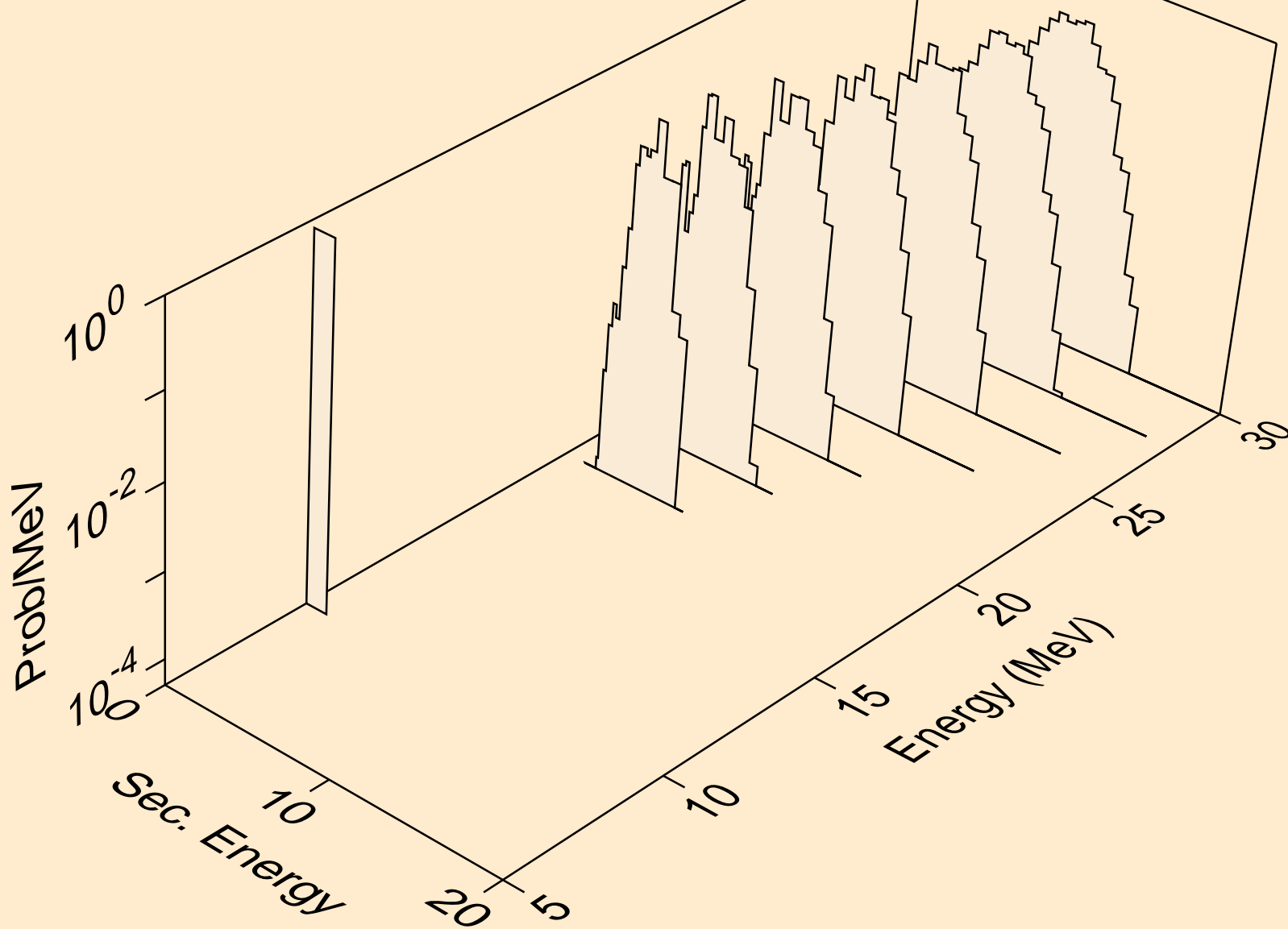




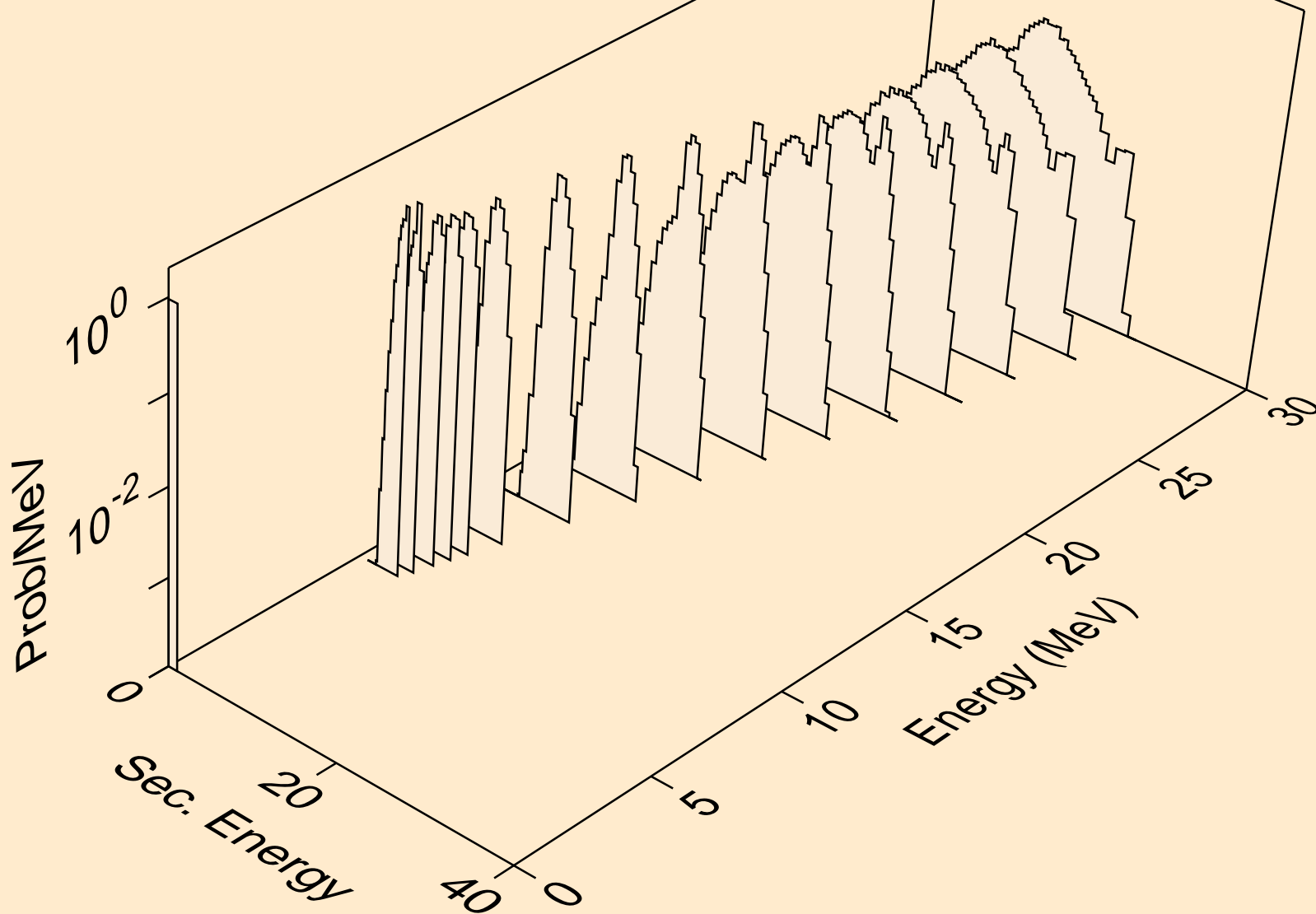
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protons from (n,p)



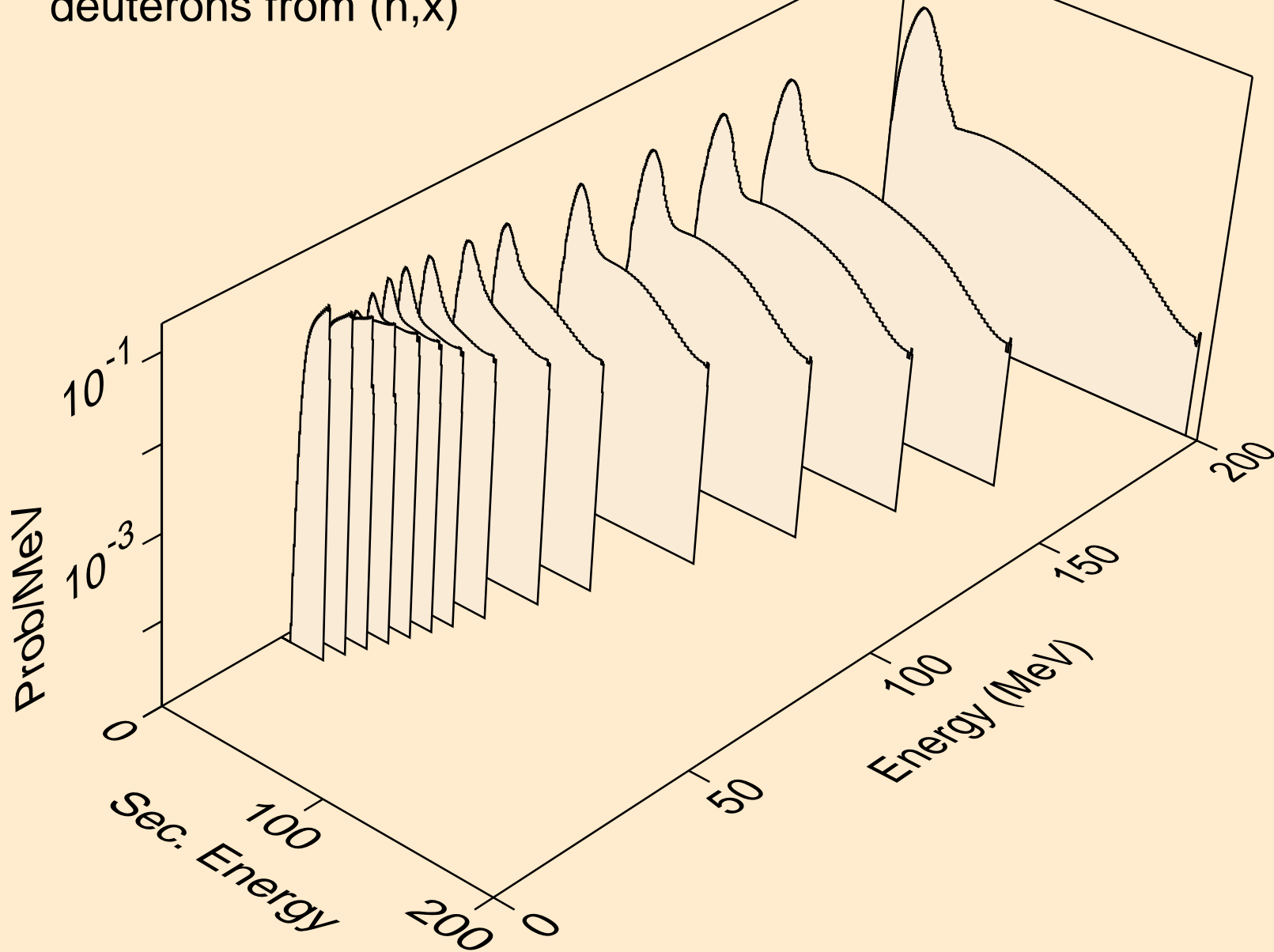
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protons from (n,2p)



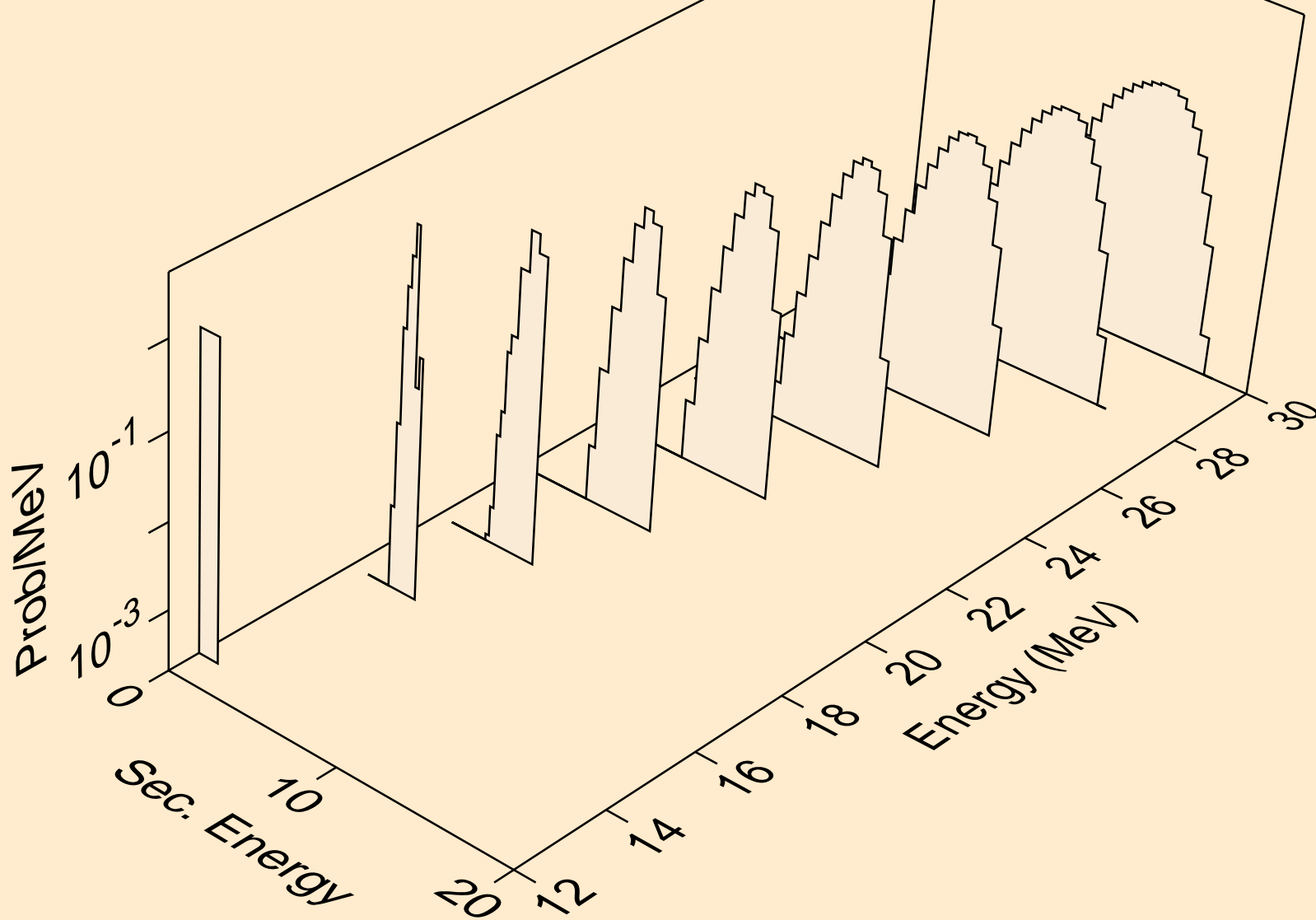
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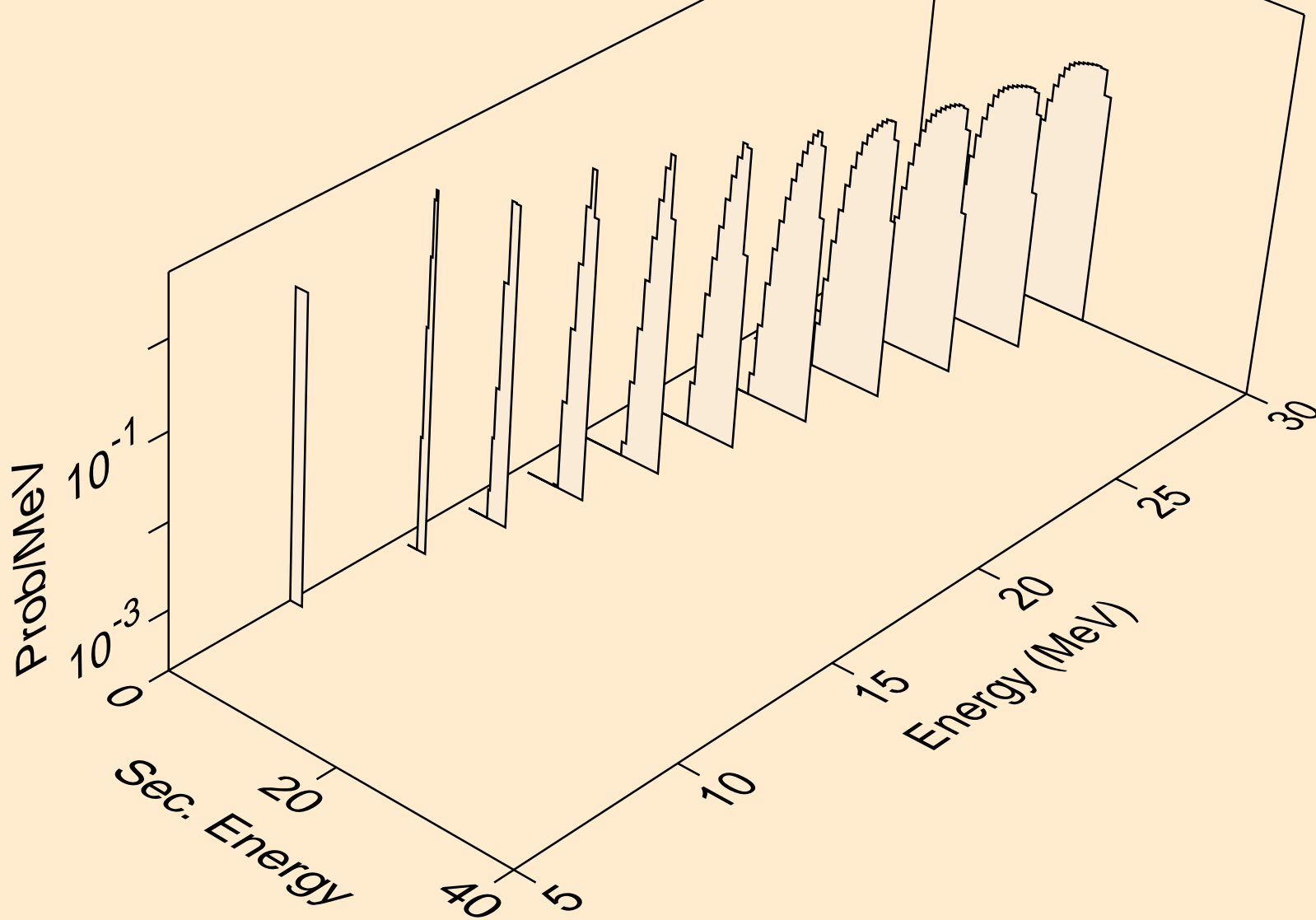
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deuterons from (n,x)



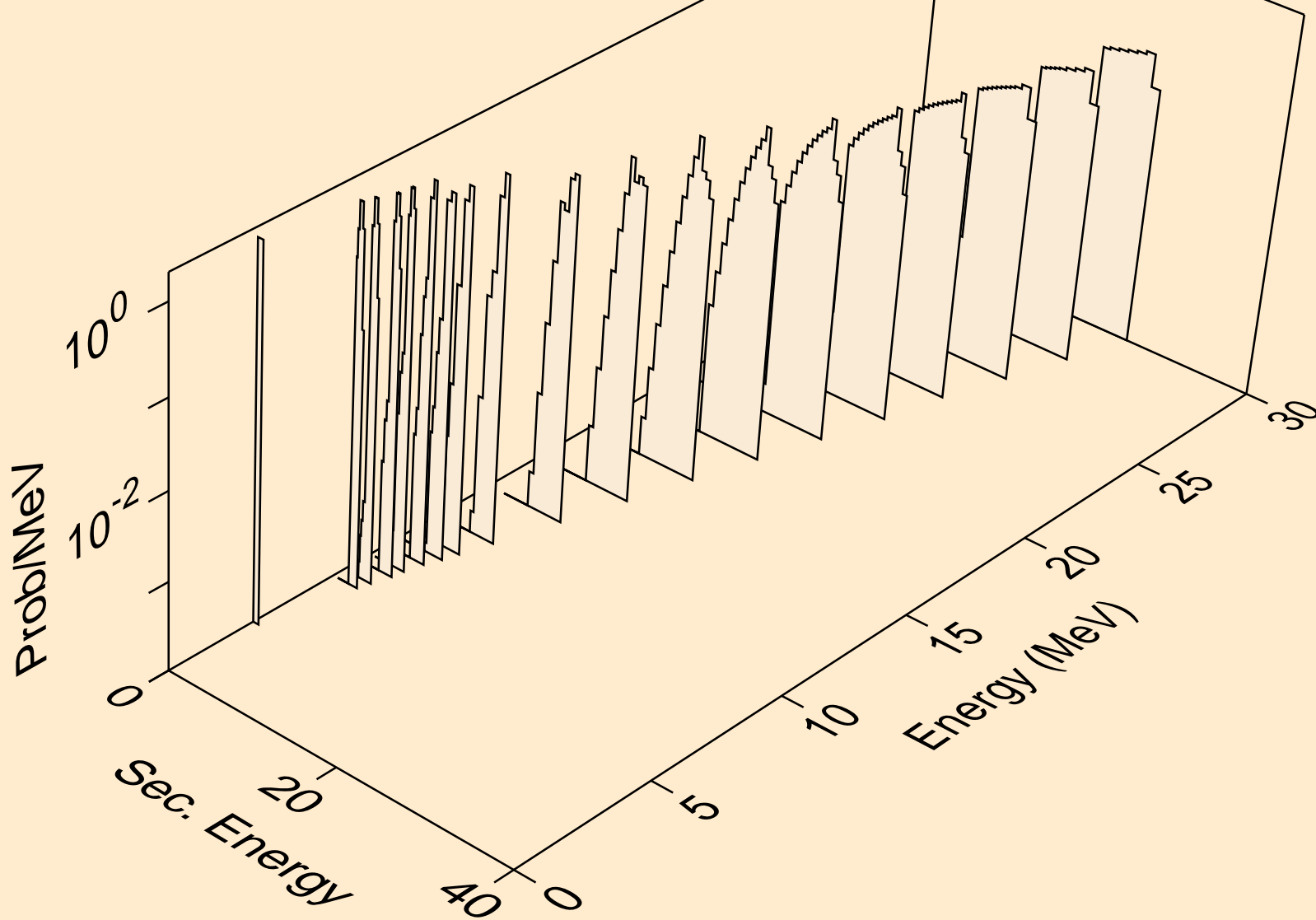
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deuterons from (n,2nd)



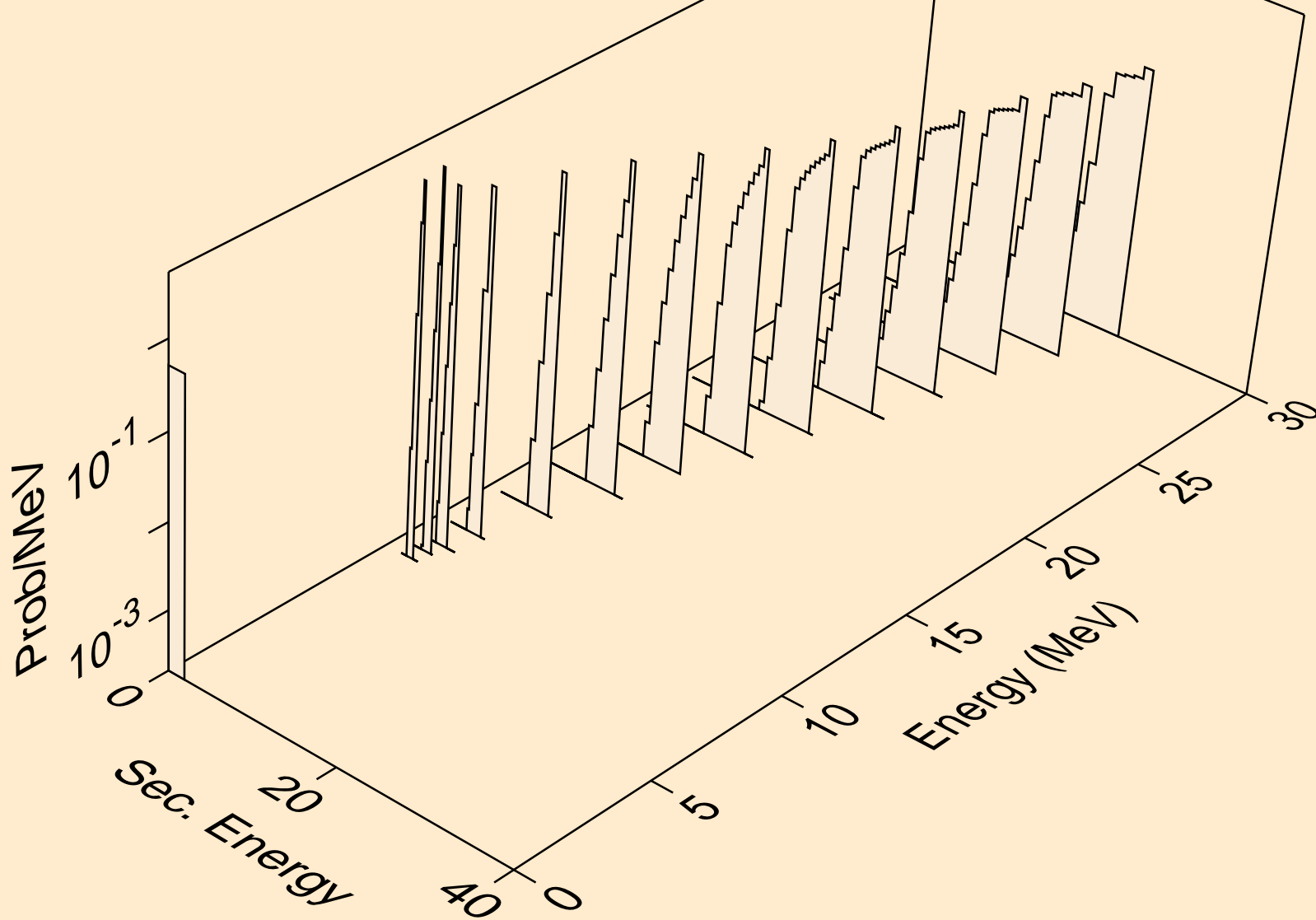
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deuterons from (n,n\*)d



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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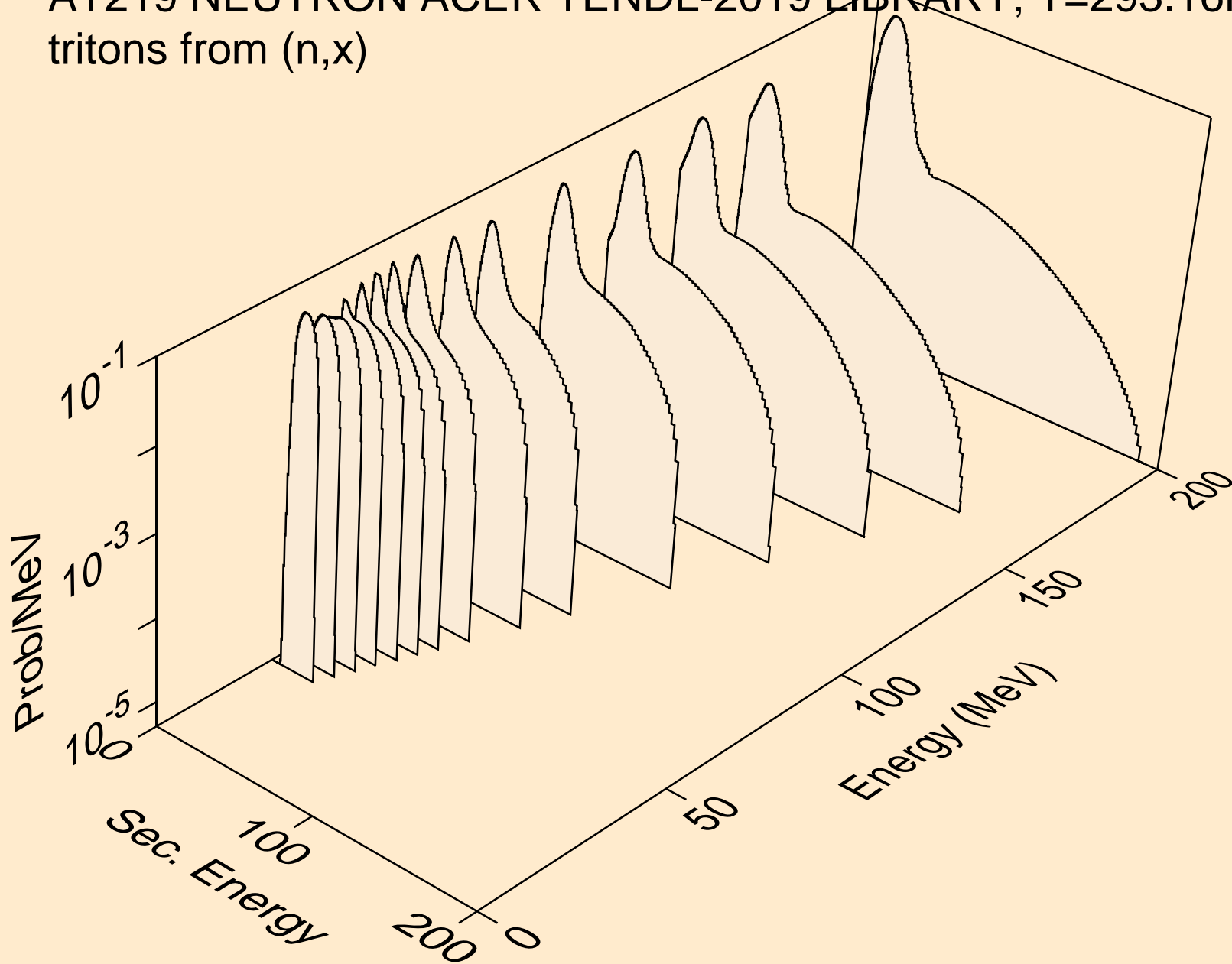


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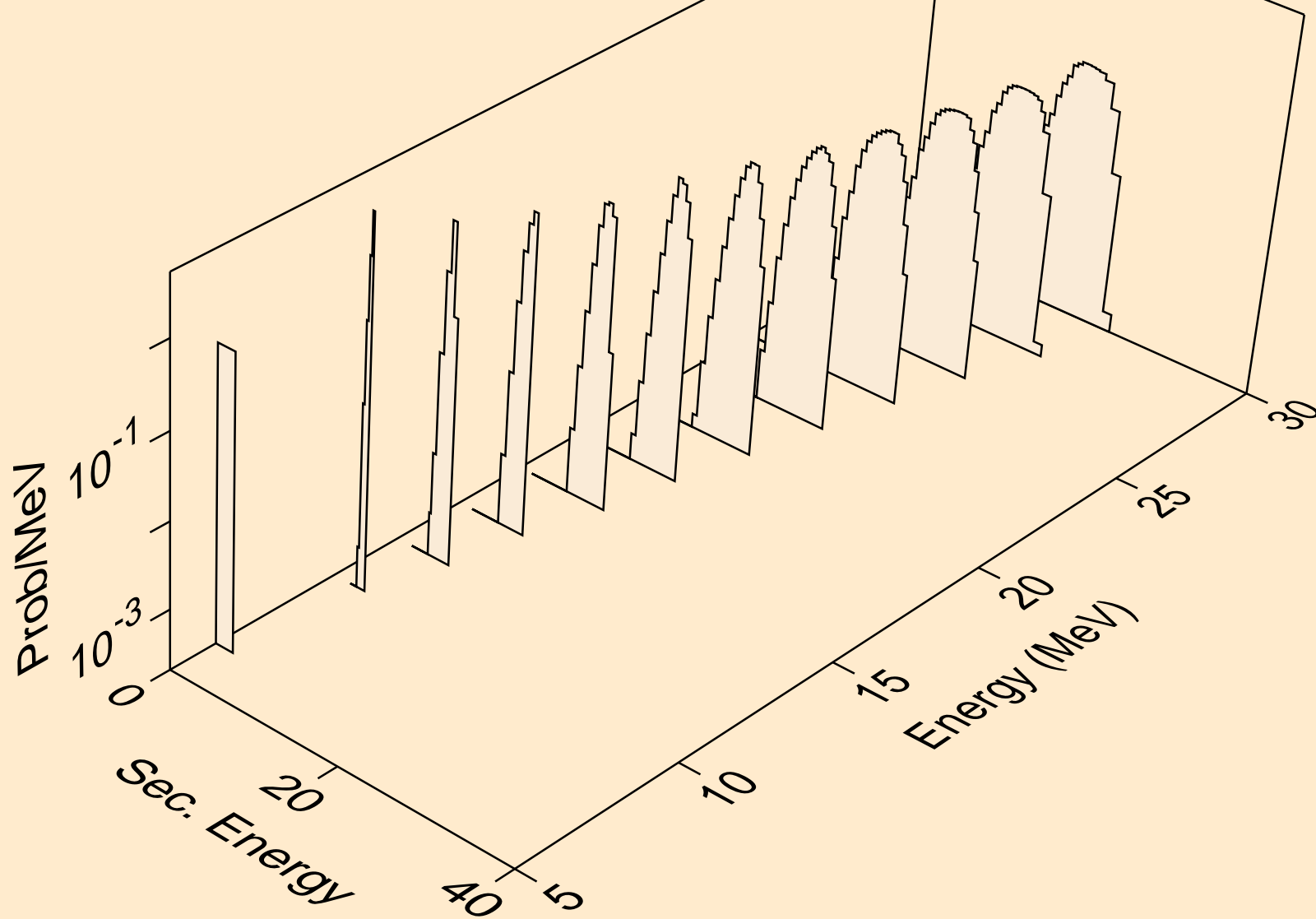




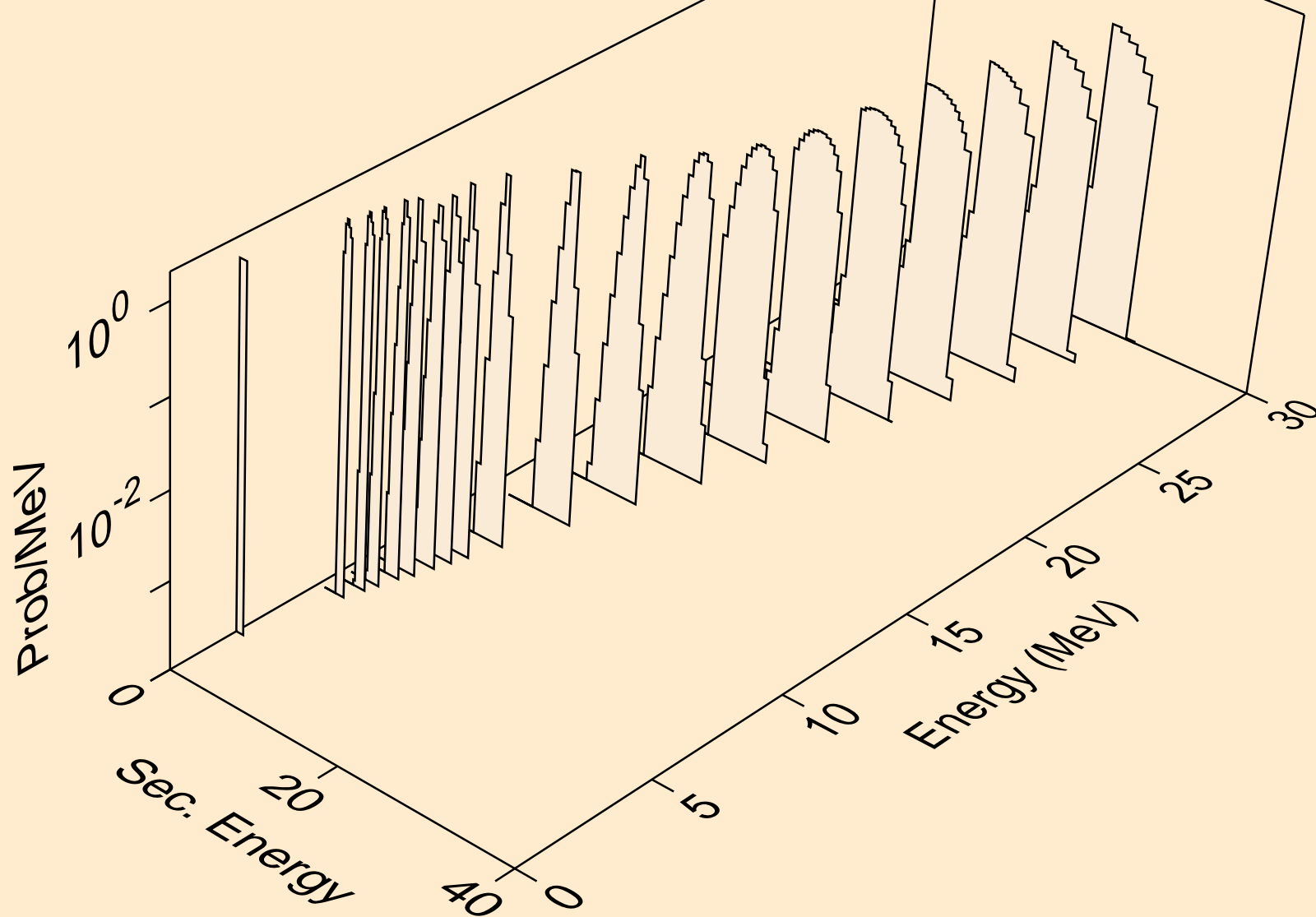
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tritons from (n,x)



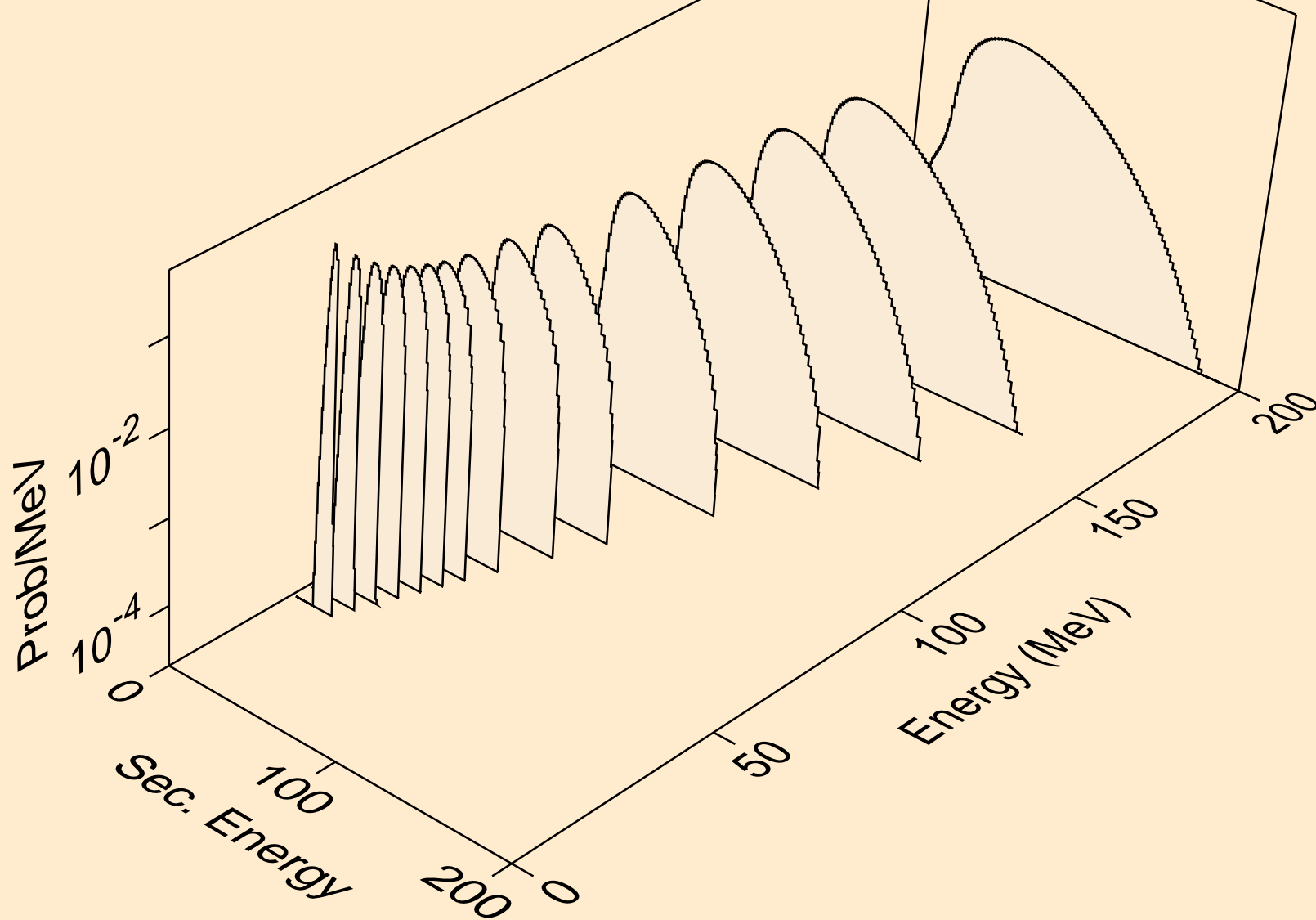
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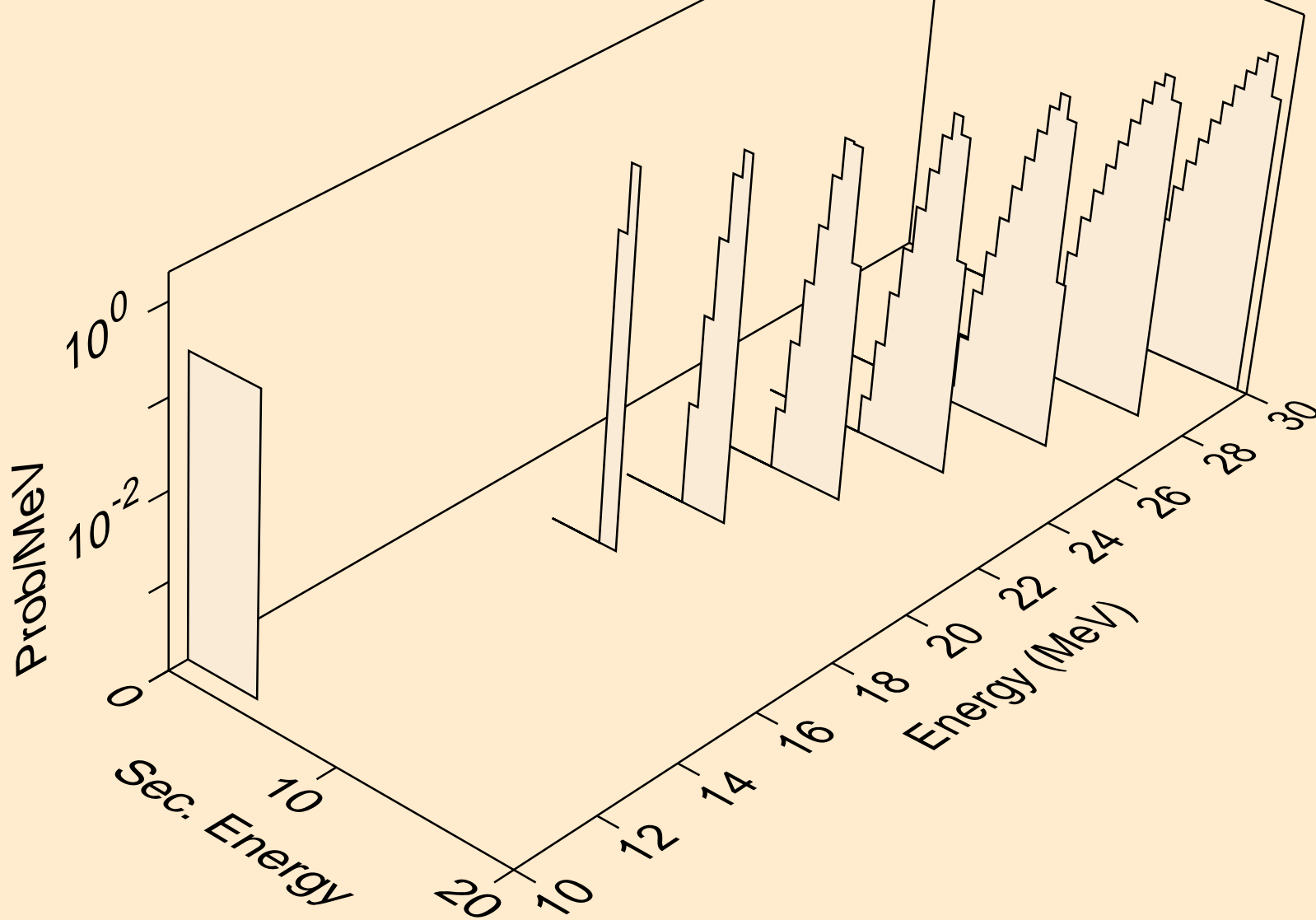
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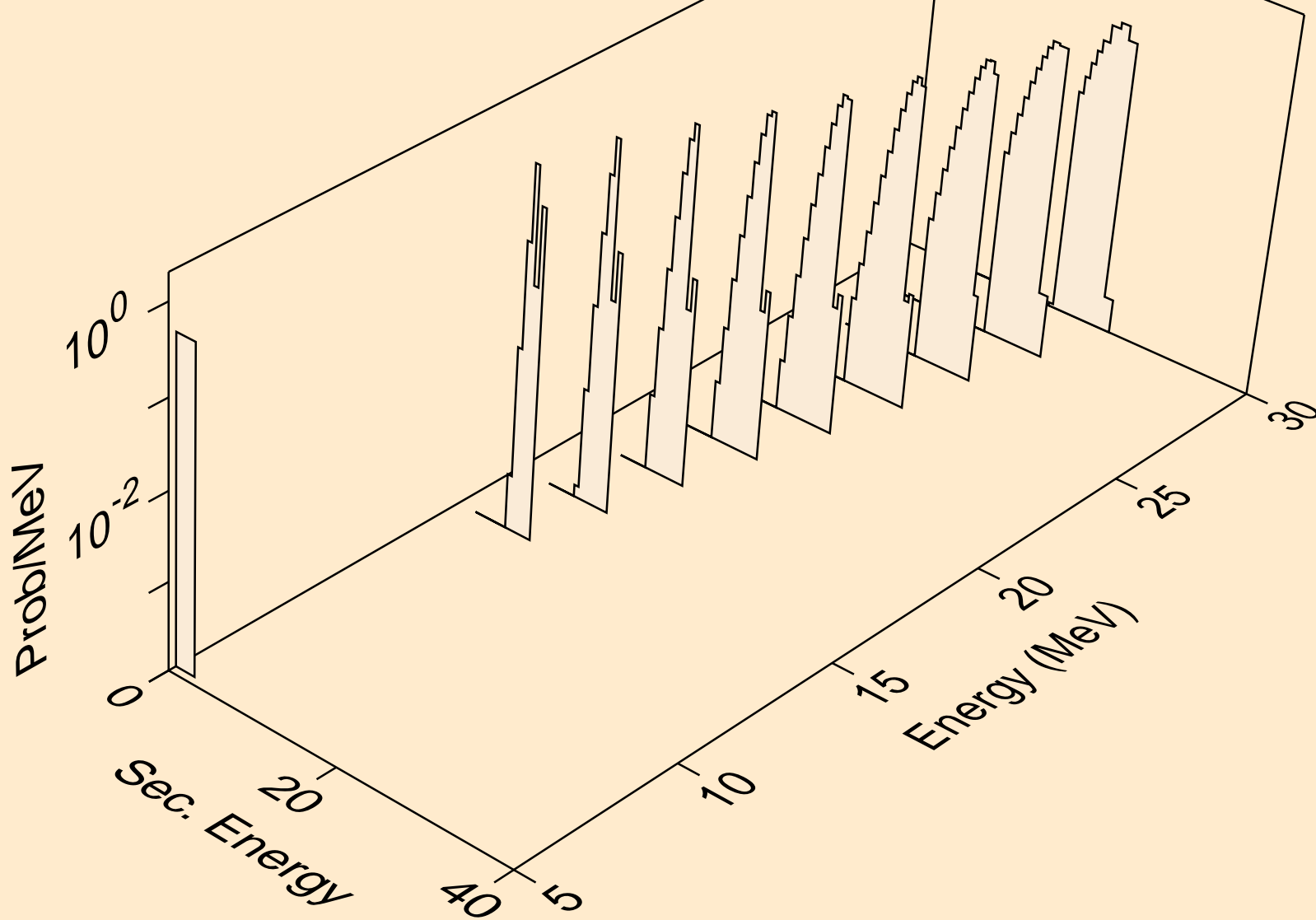
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he3s from (n,x)



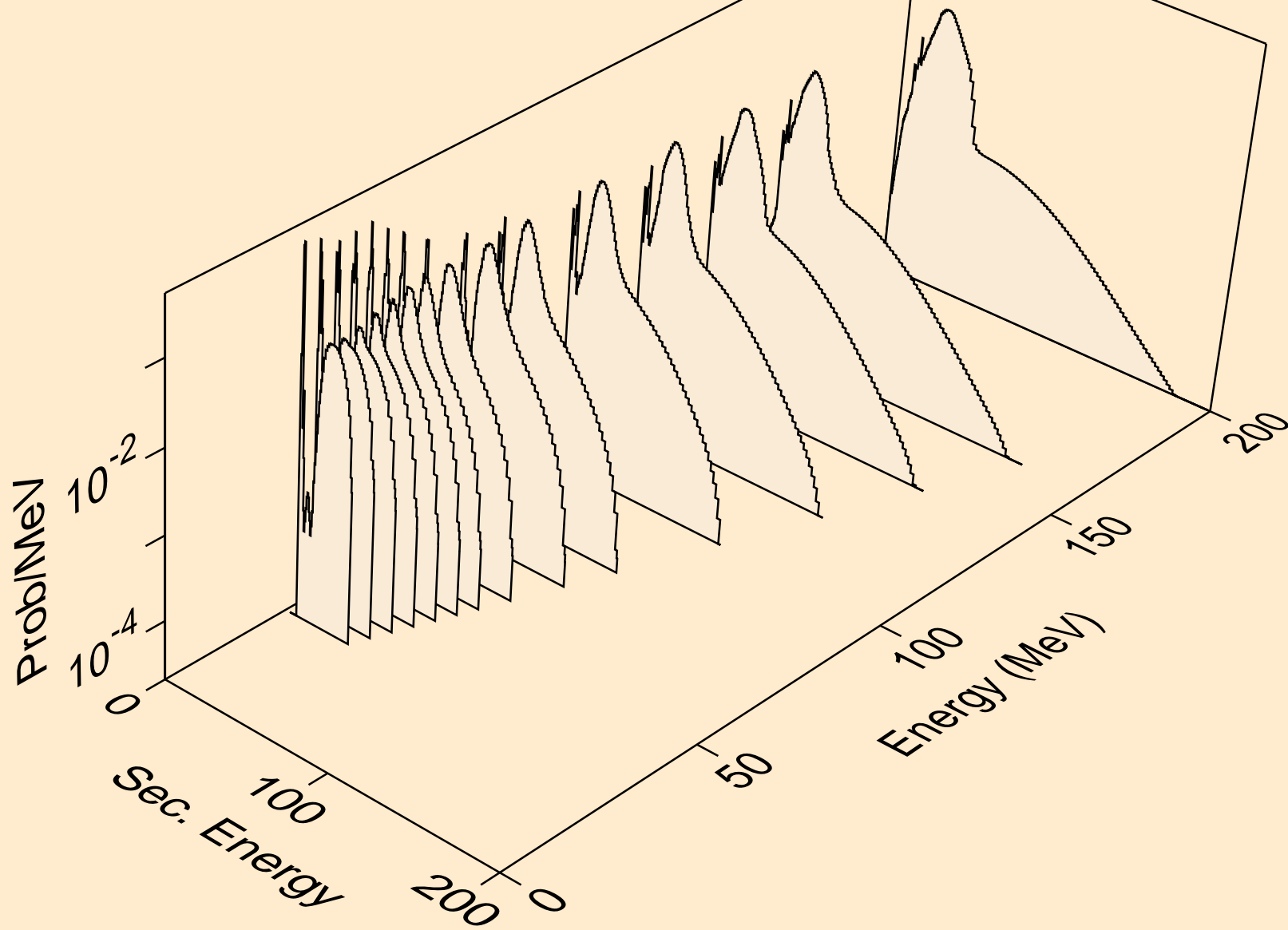
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he3s from (n,n\*)he3



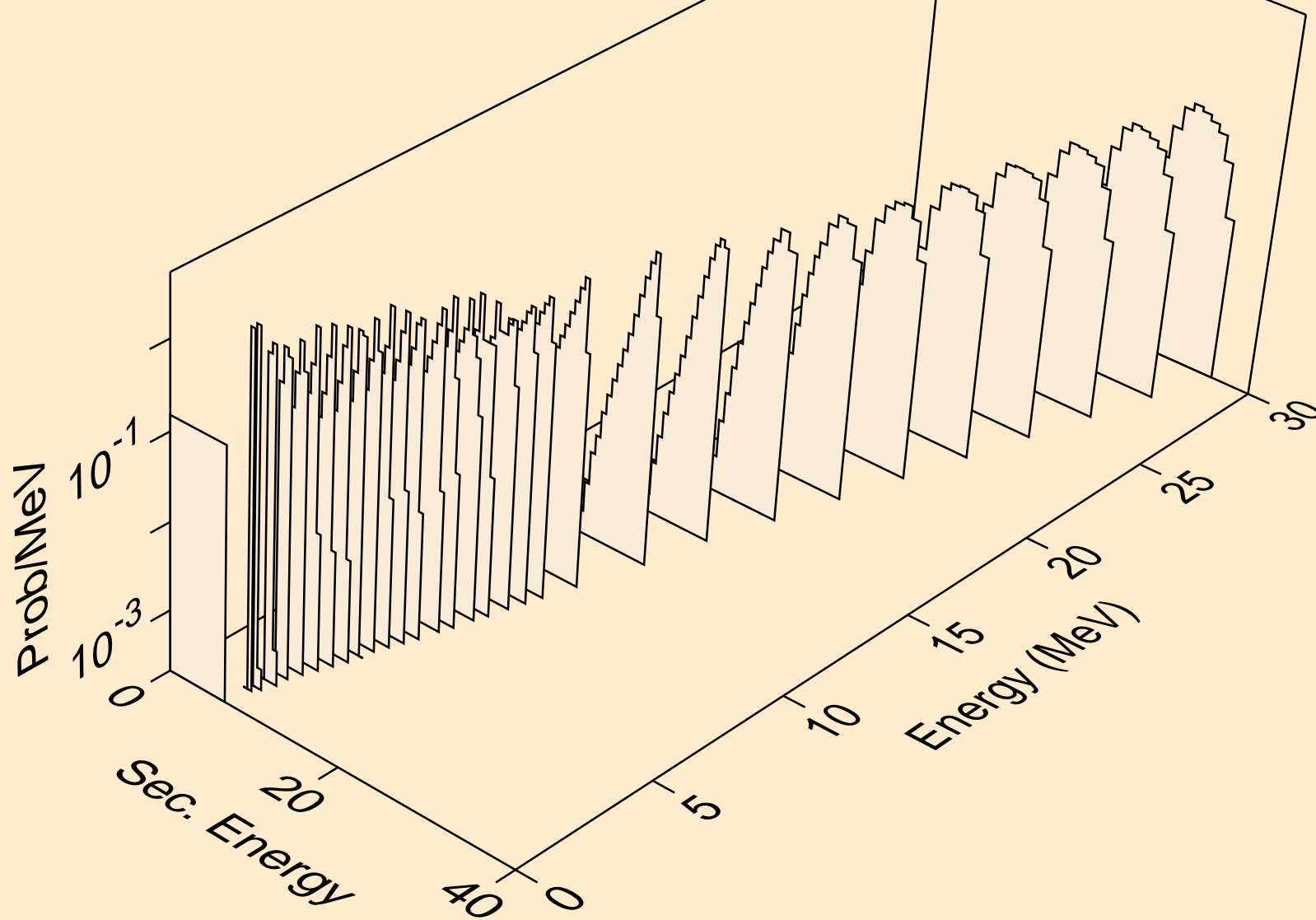
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AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

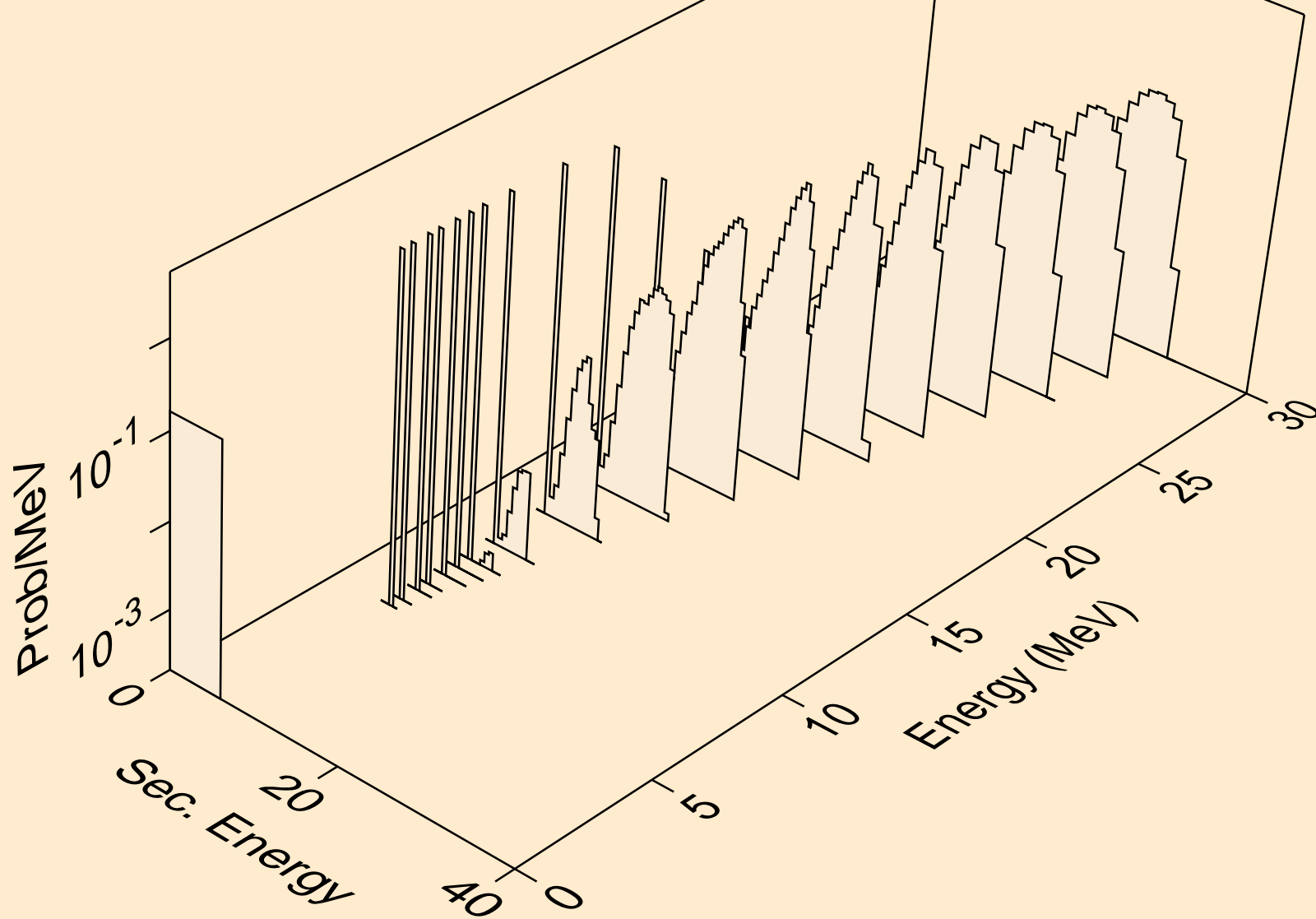


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alphas from (n,n\*)a

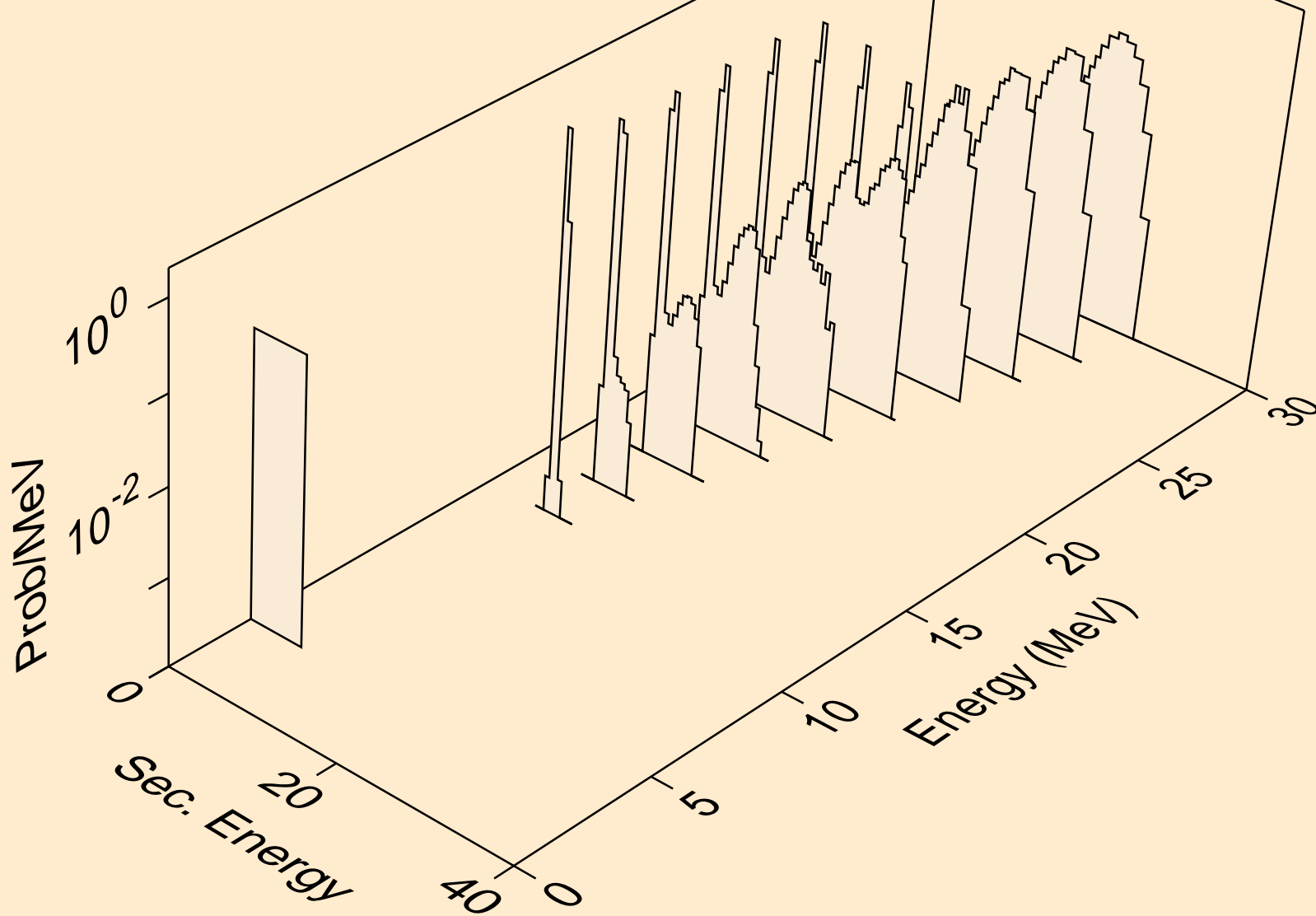




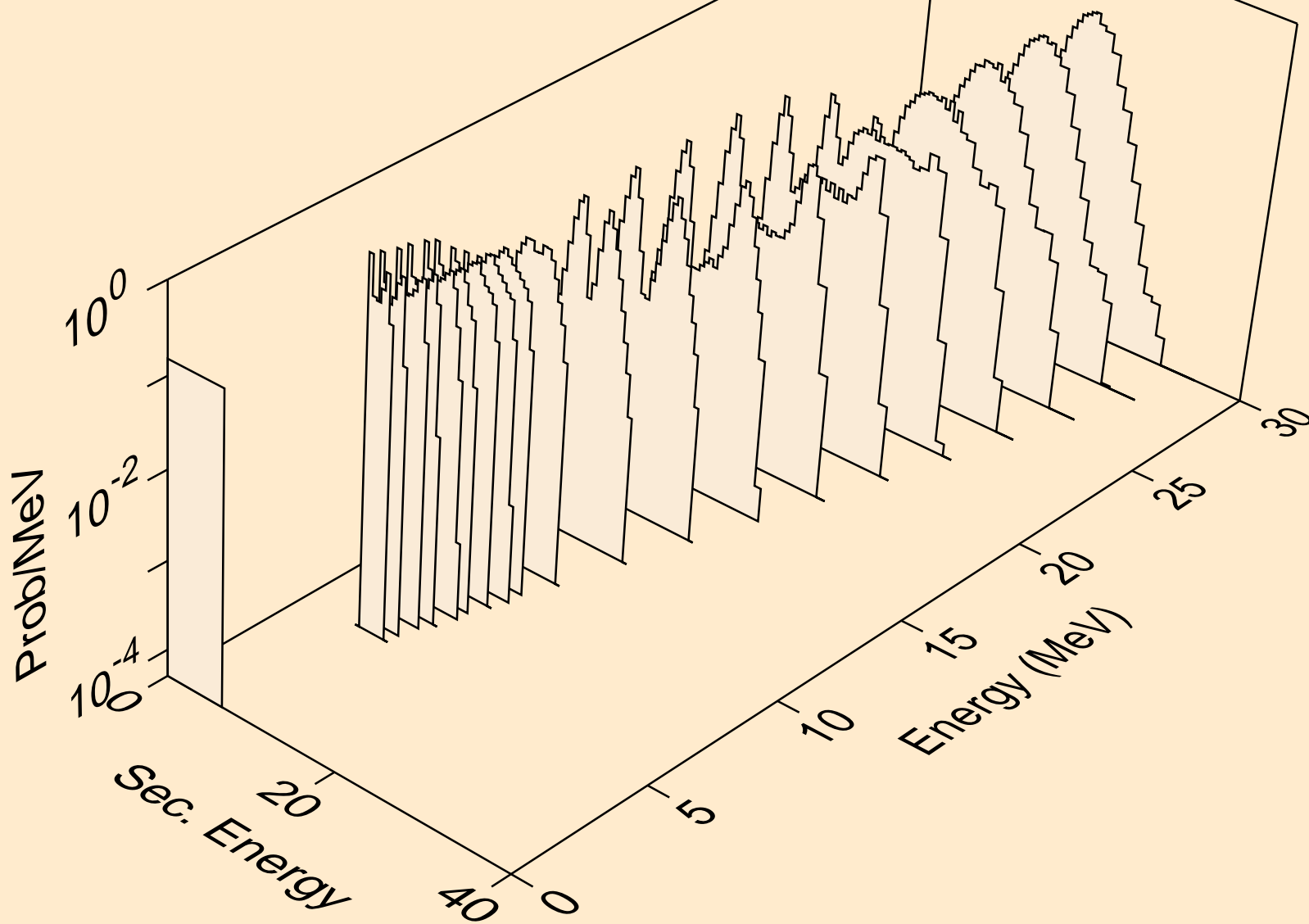
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alphas from (n,2n)a



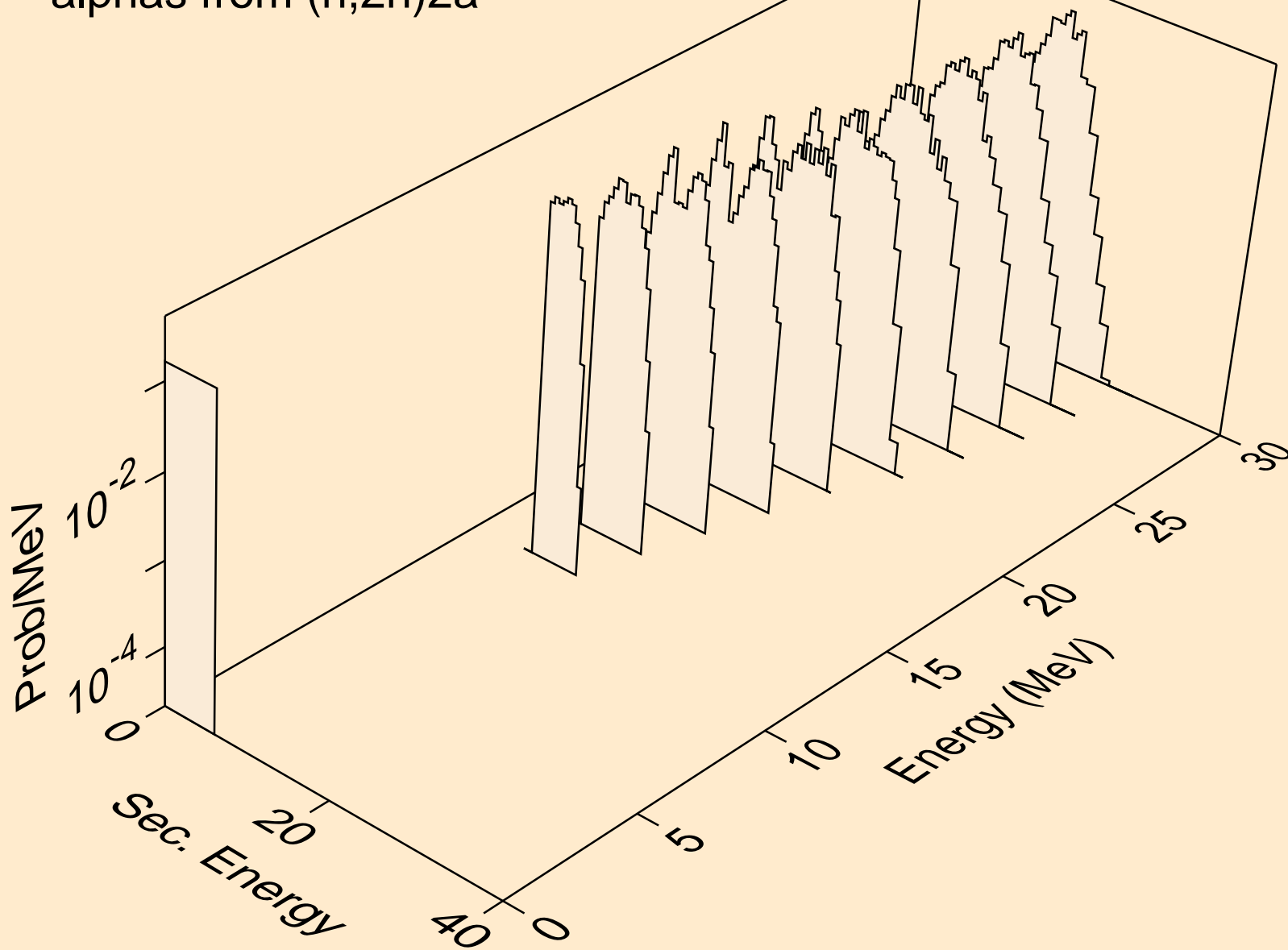
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alphas from (n,3n)a



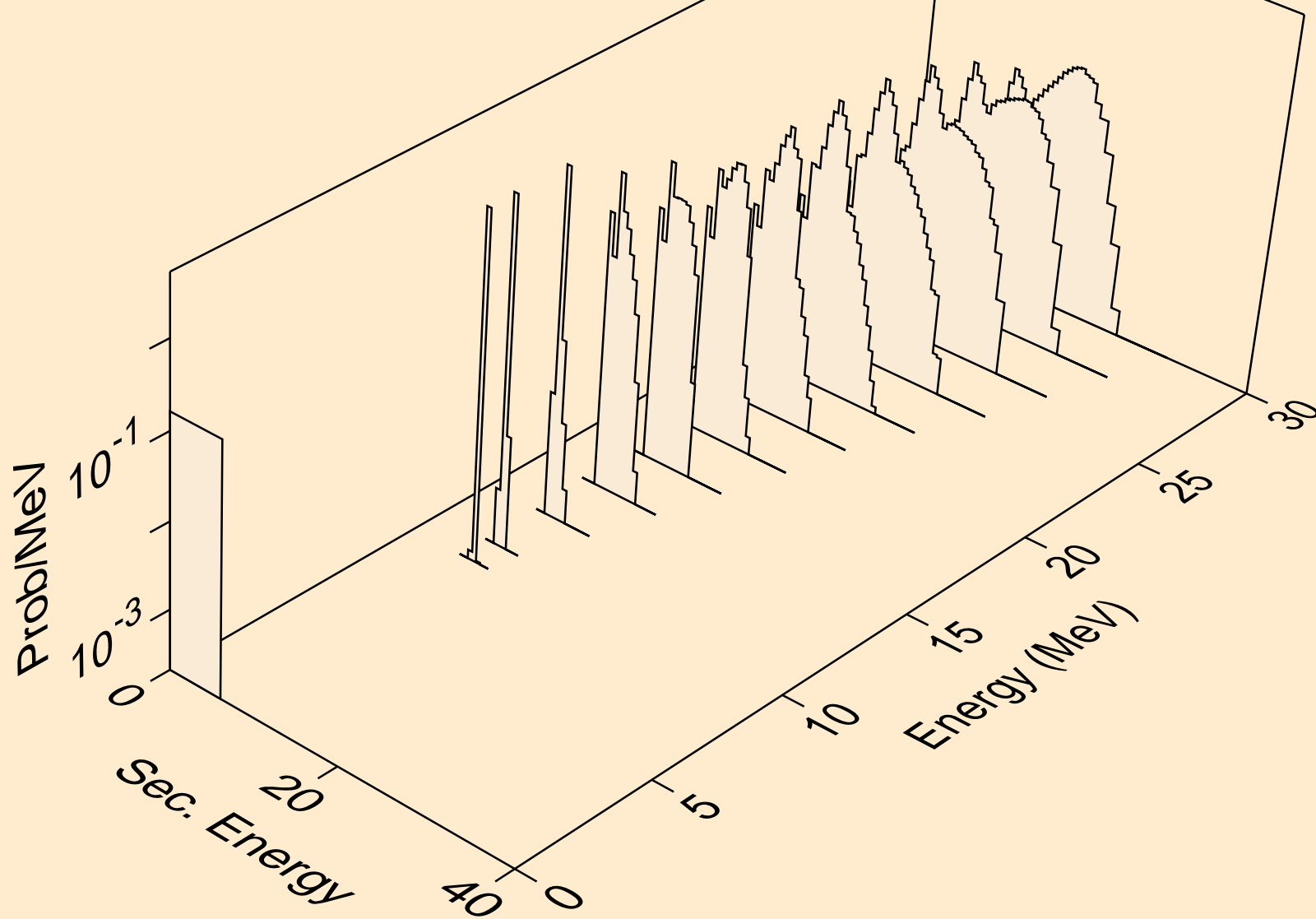
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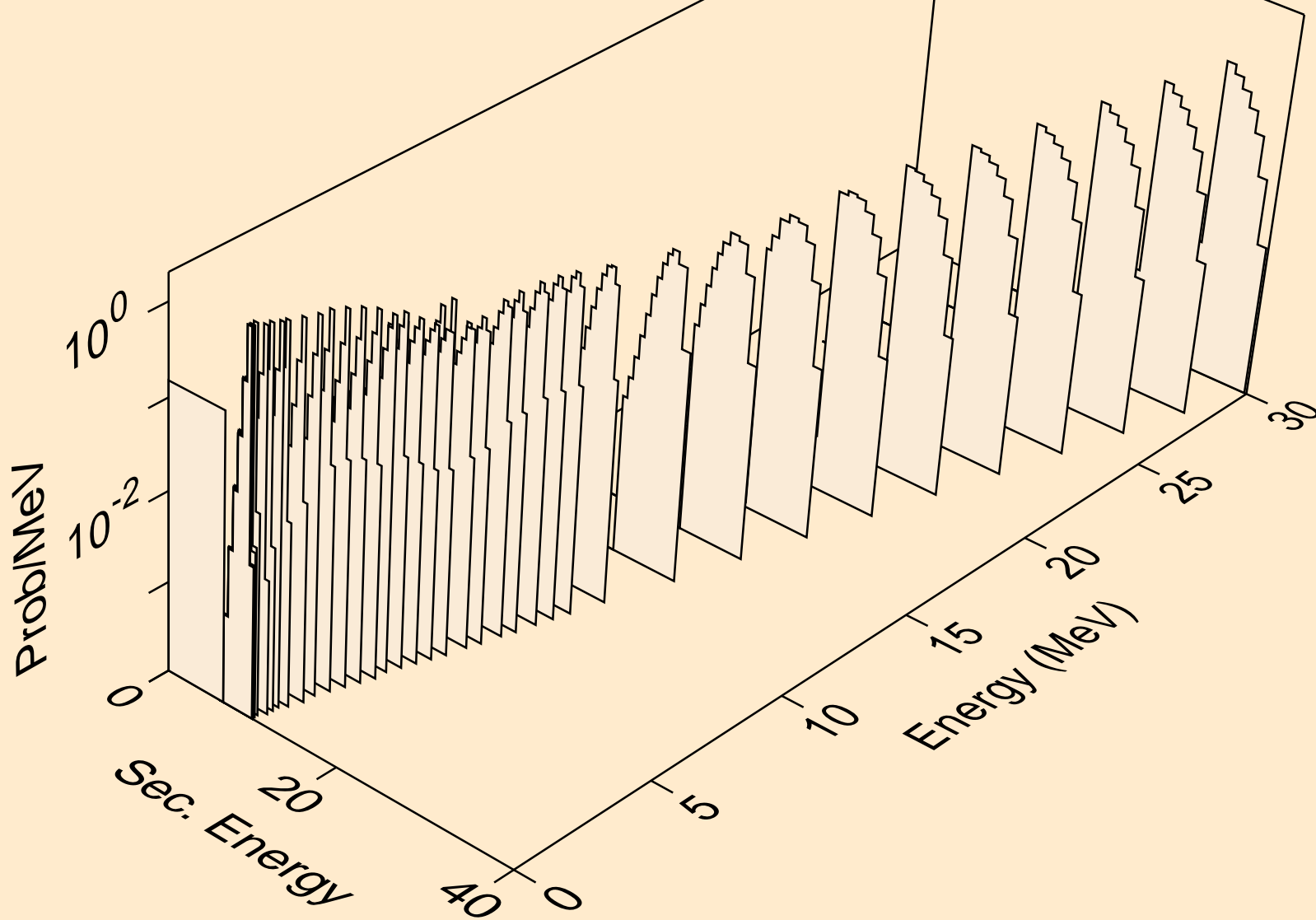
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alphas from (n,2n)2a



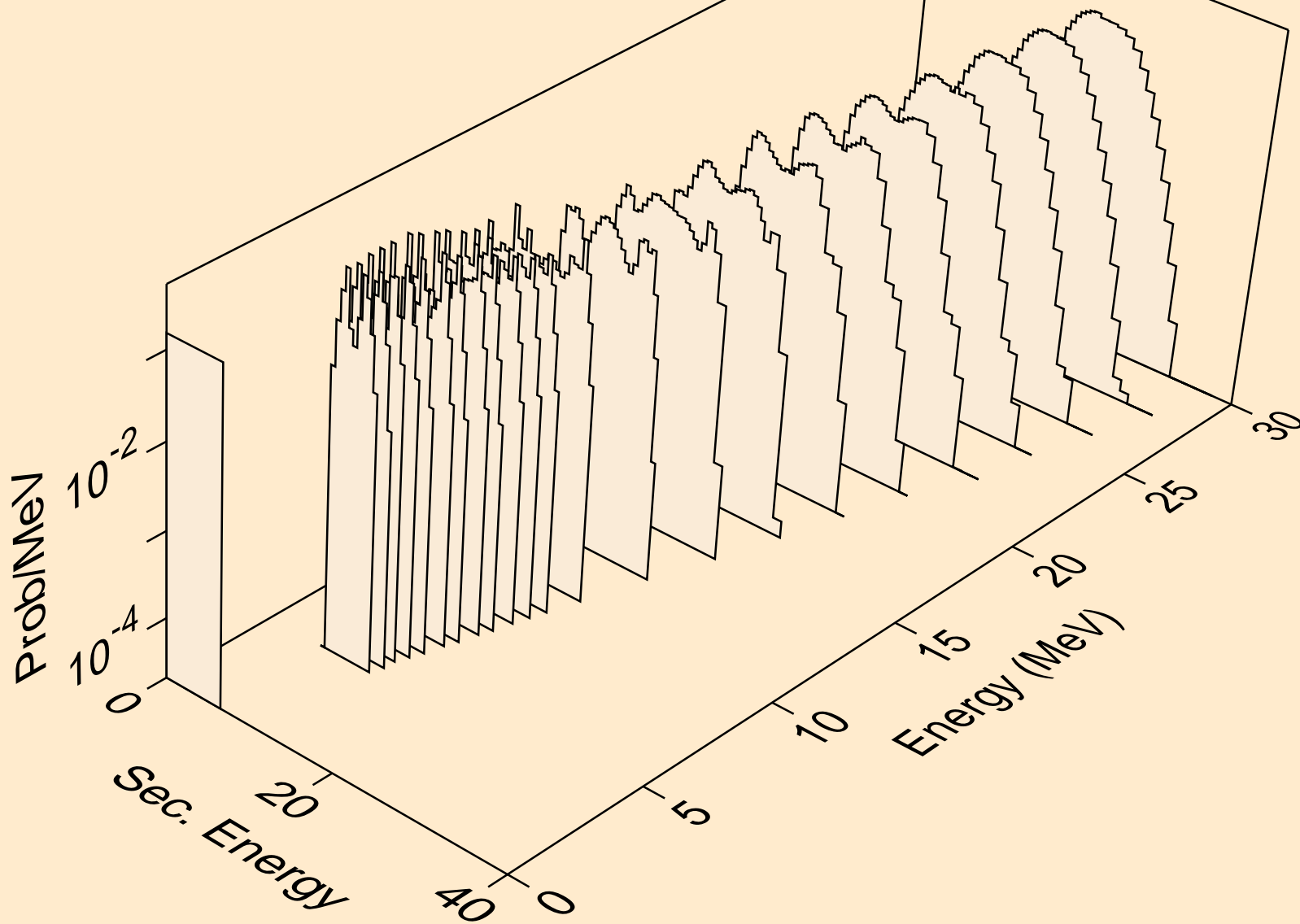
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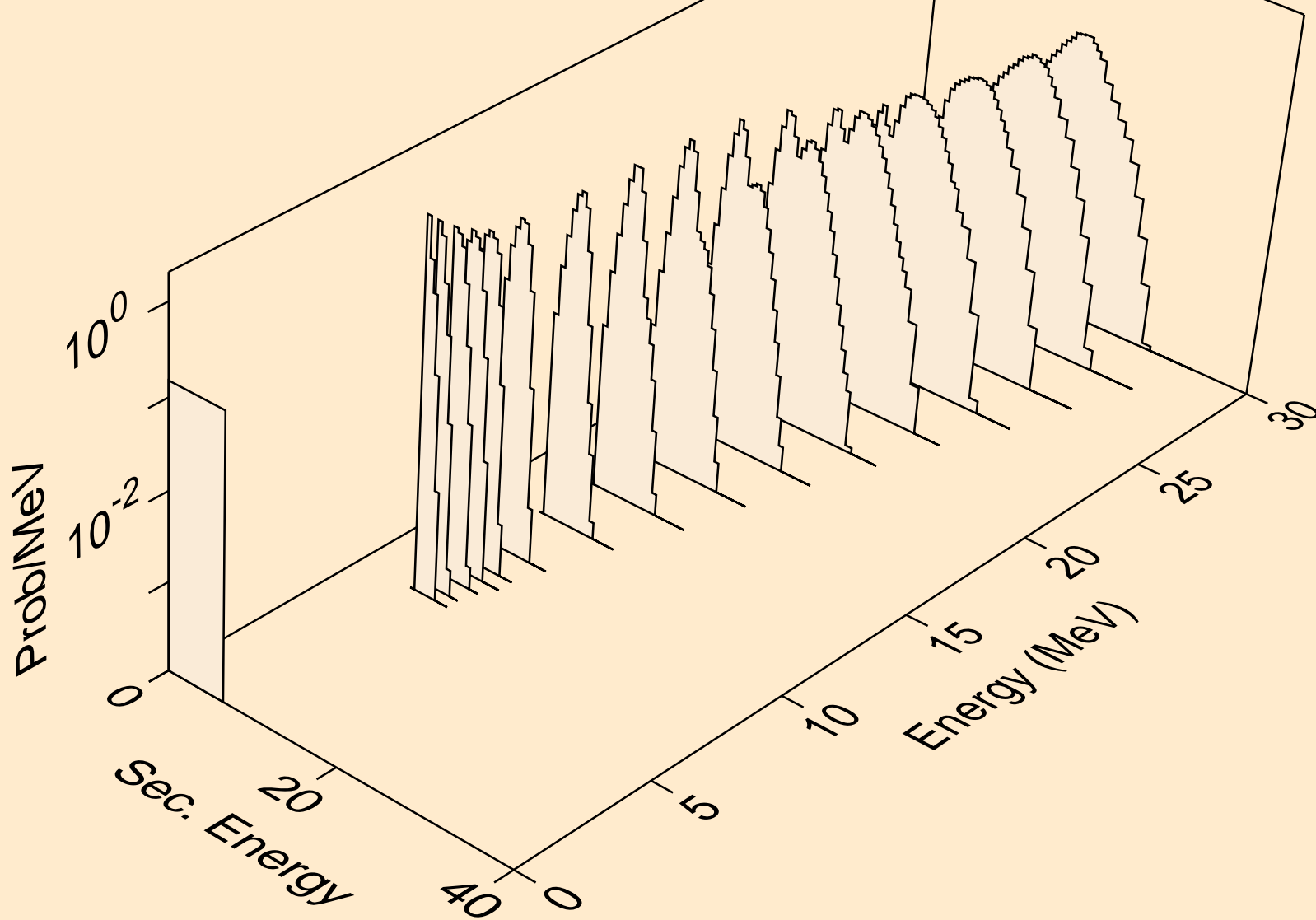
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alphas from (n,a)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)





AT219 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

