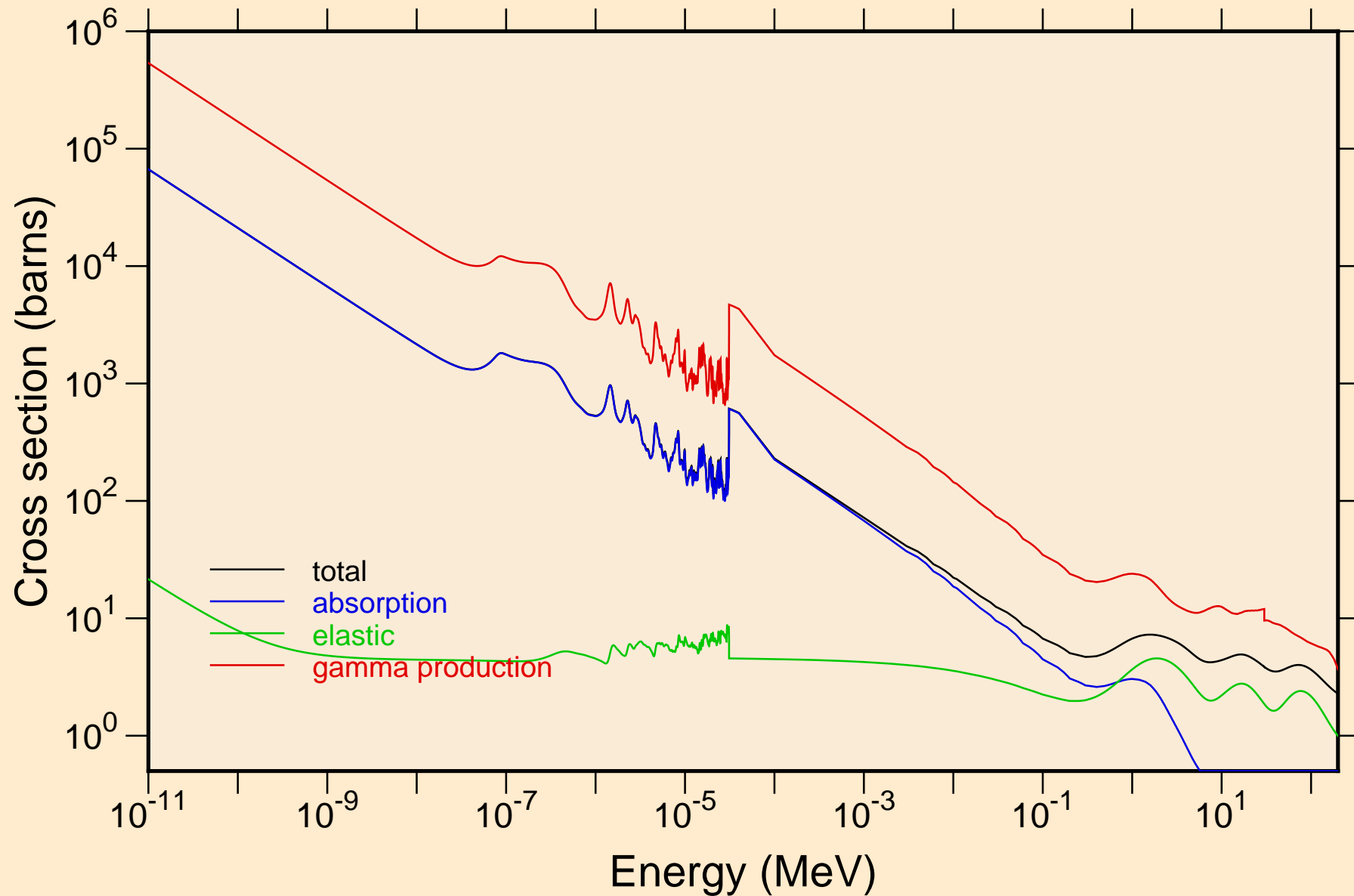
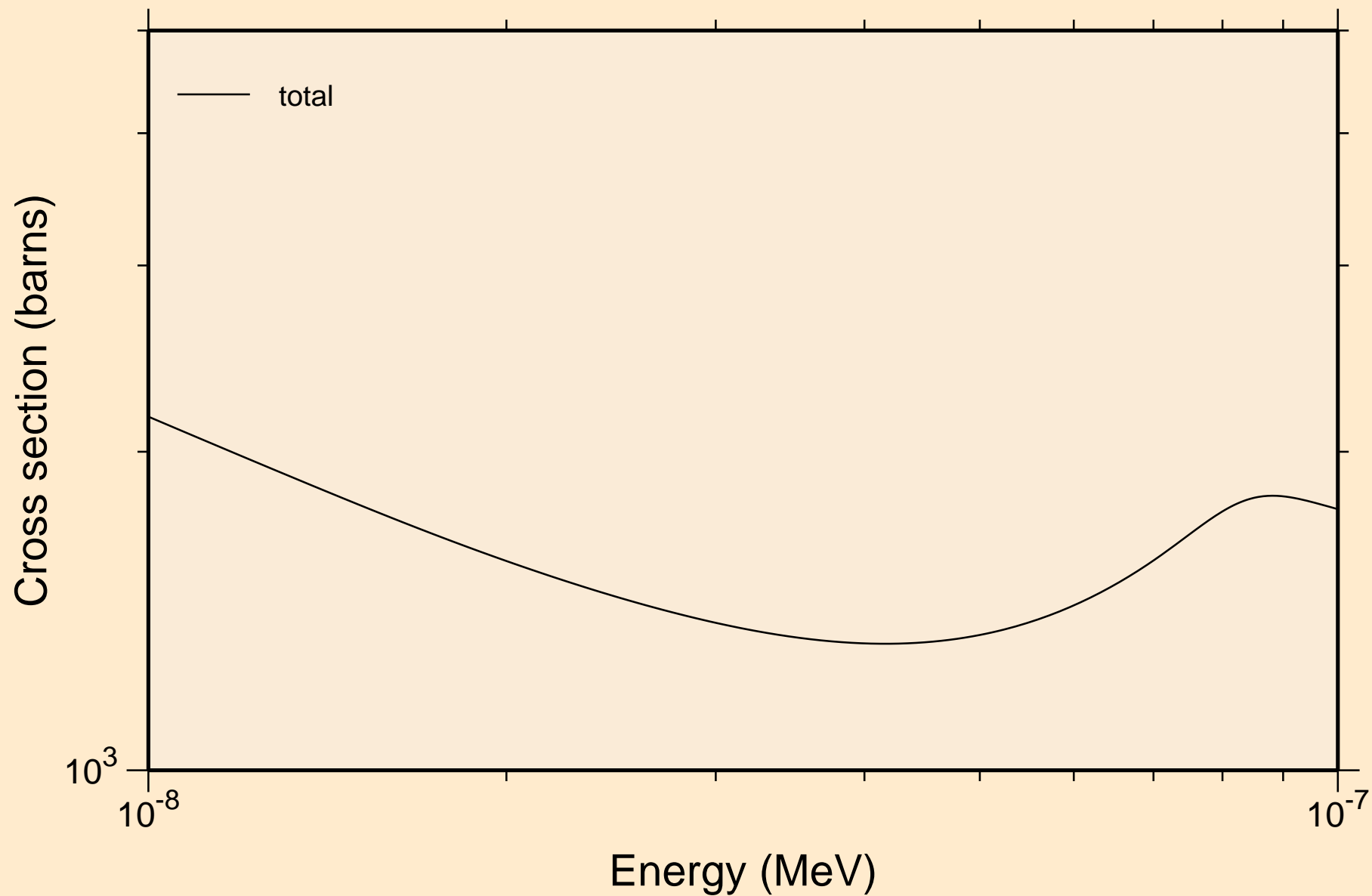


# EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

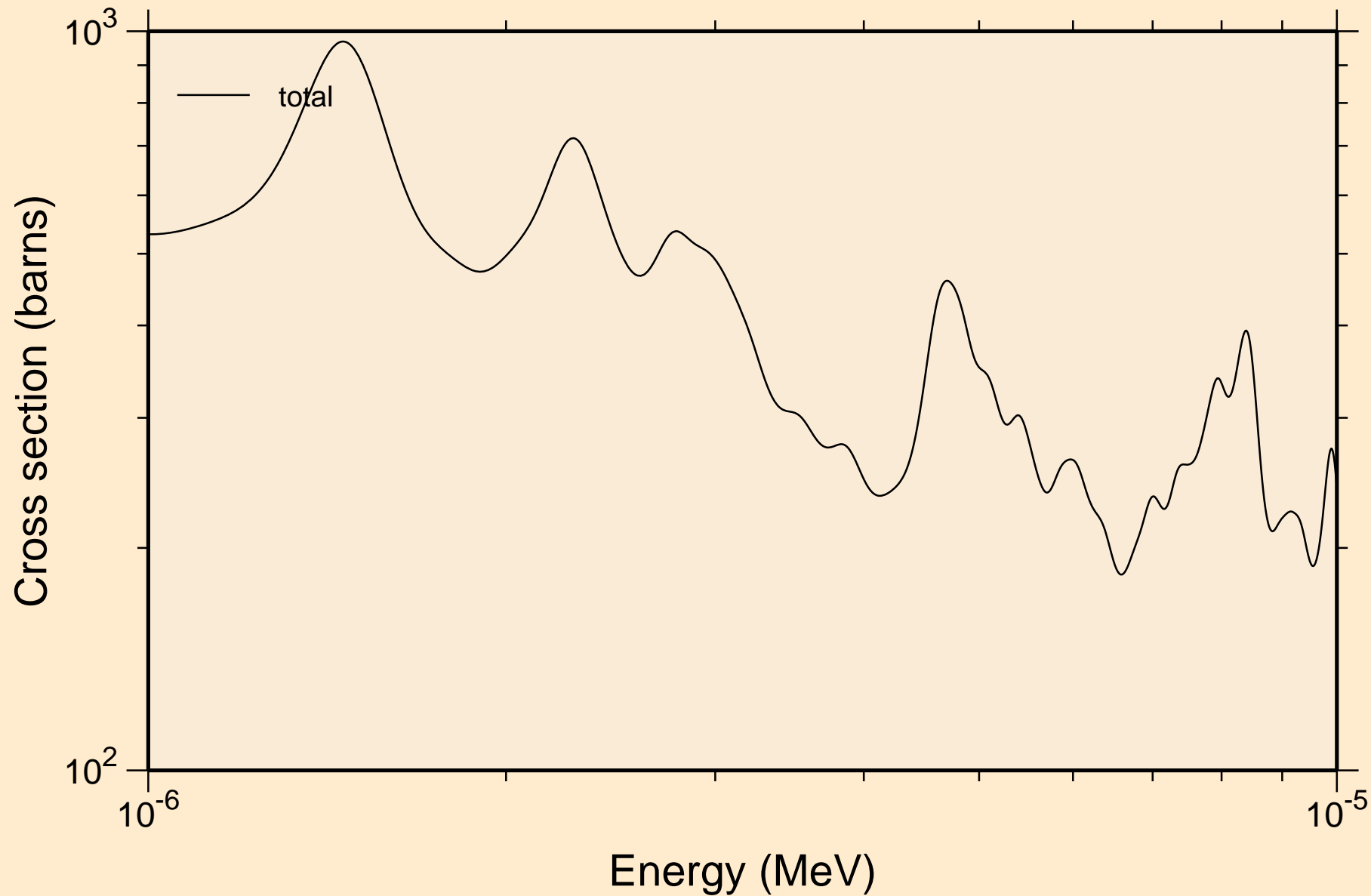
## Principal cross sections



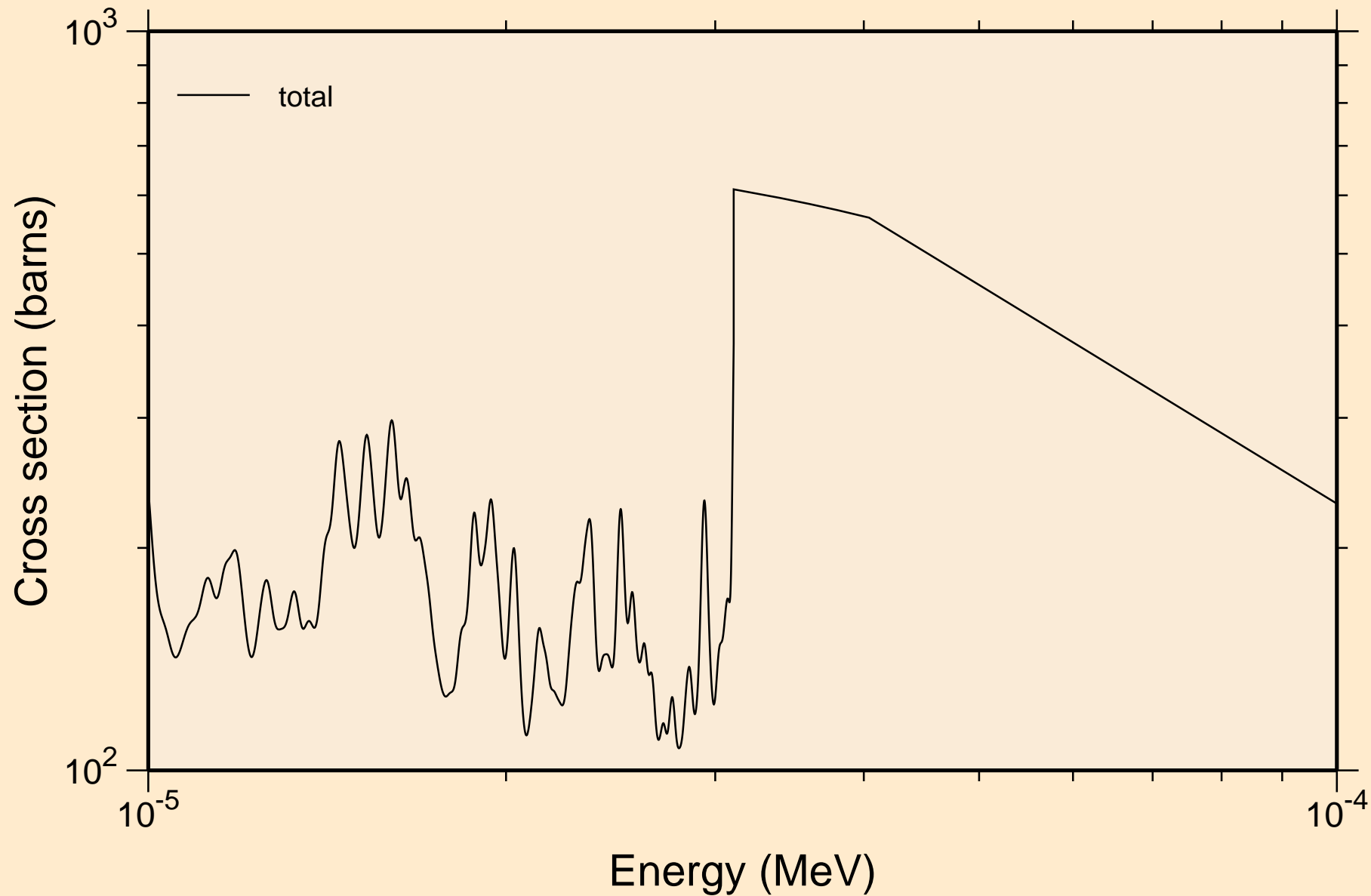
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resonance total cross section



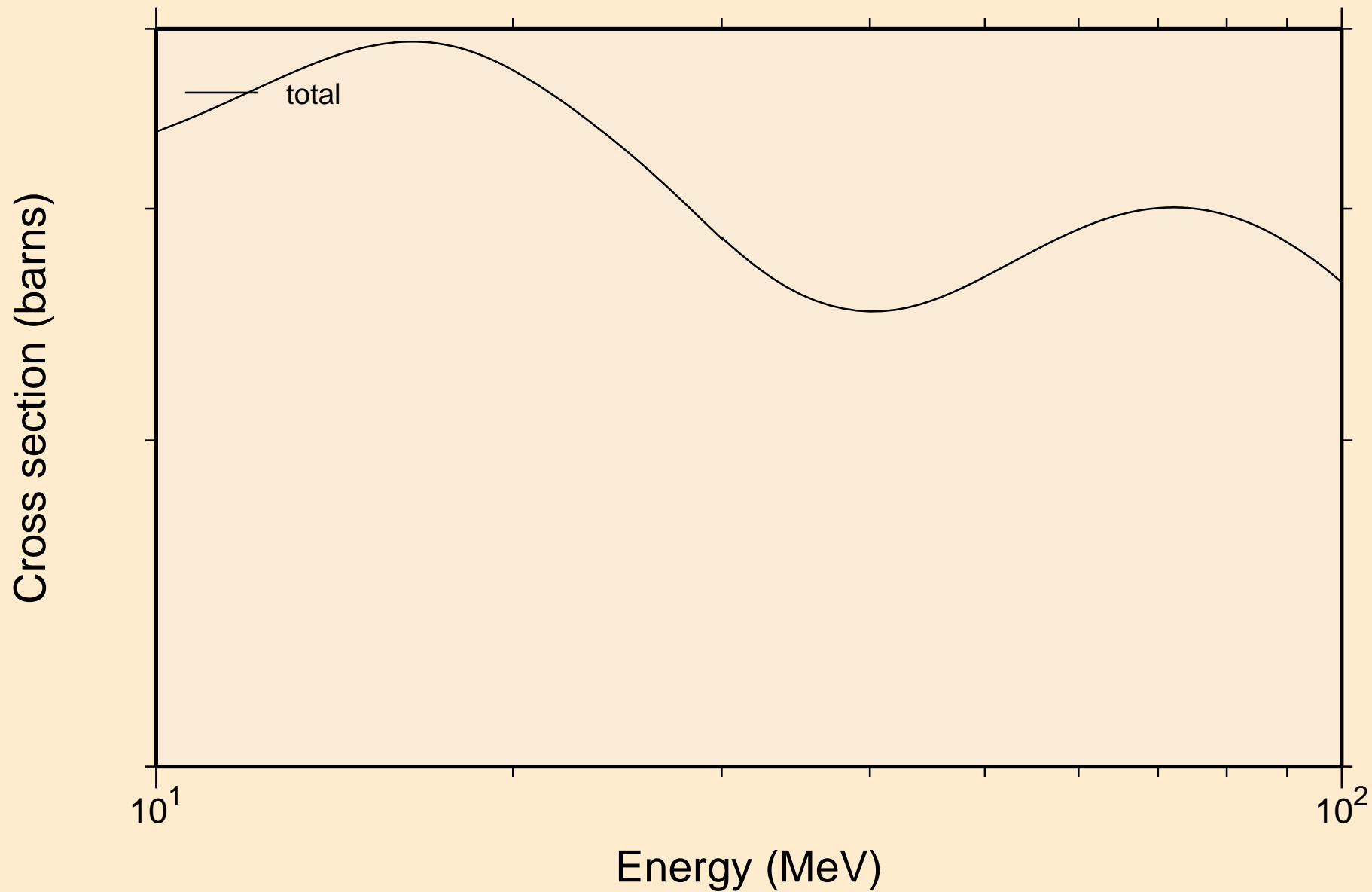
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resonance total cross section



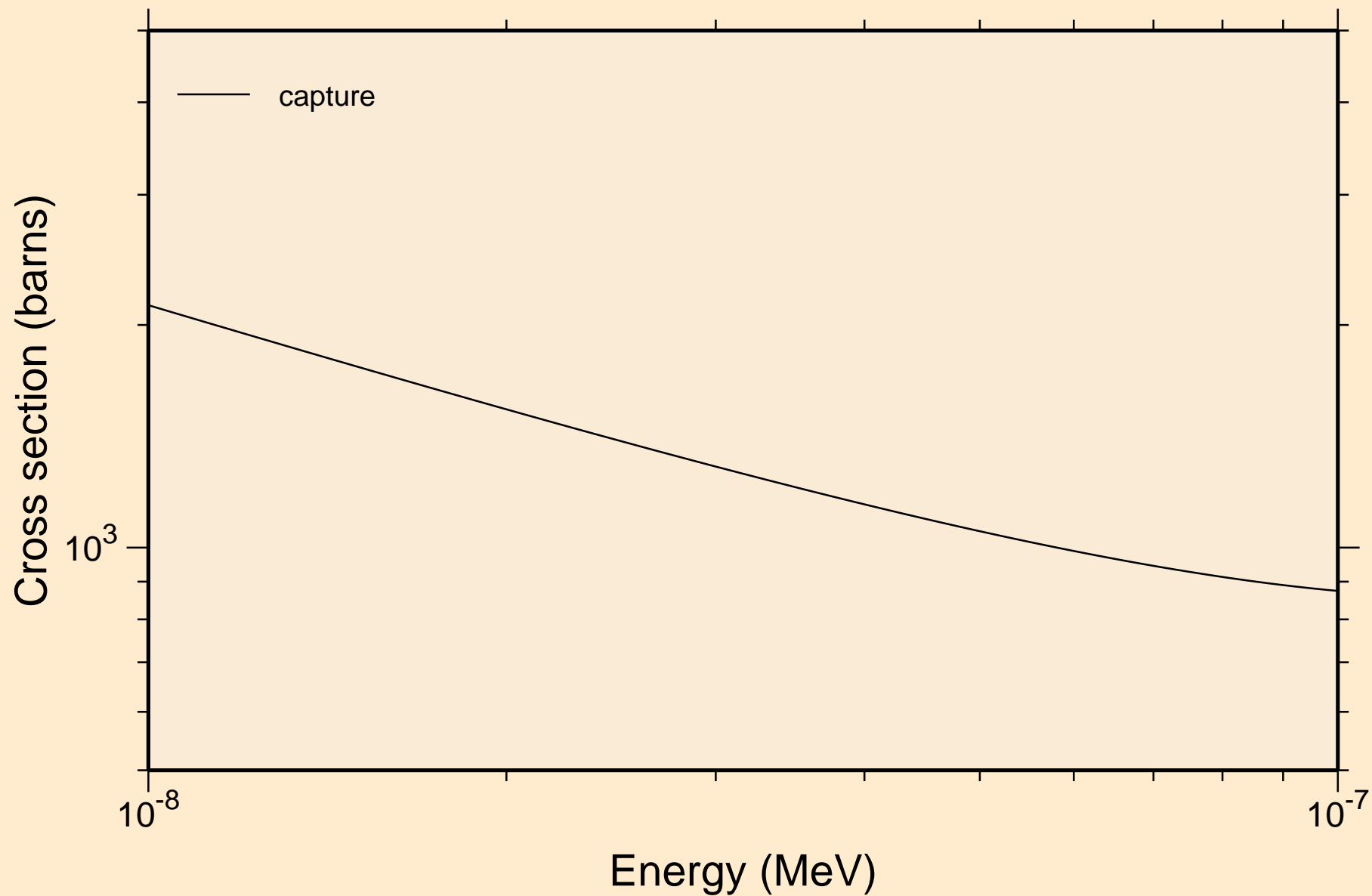
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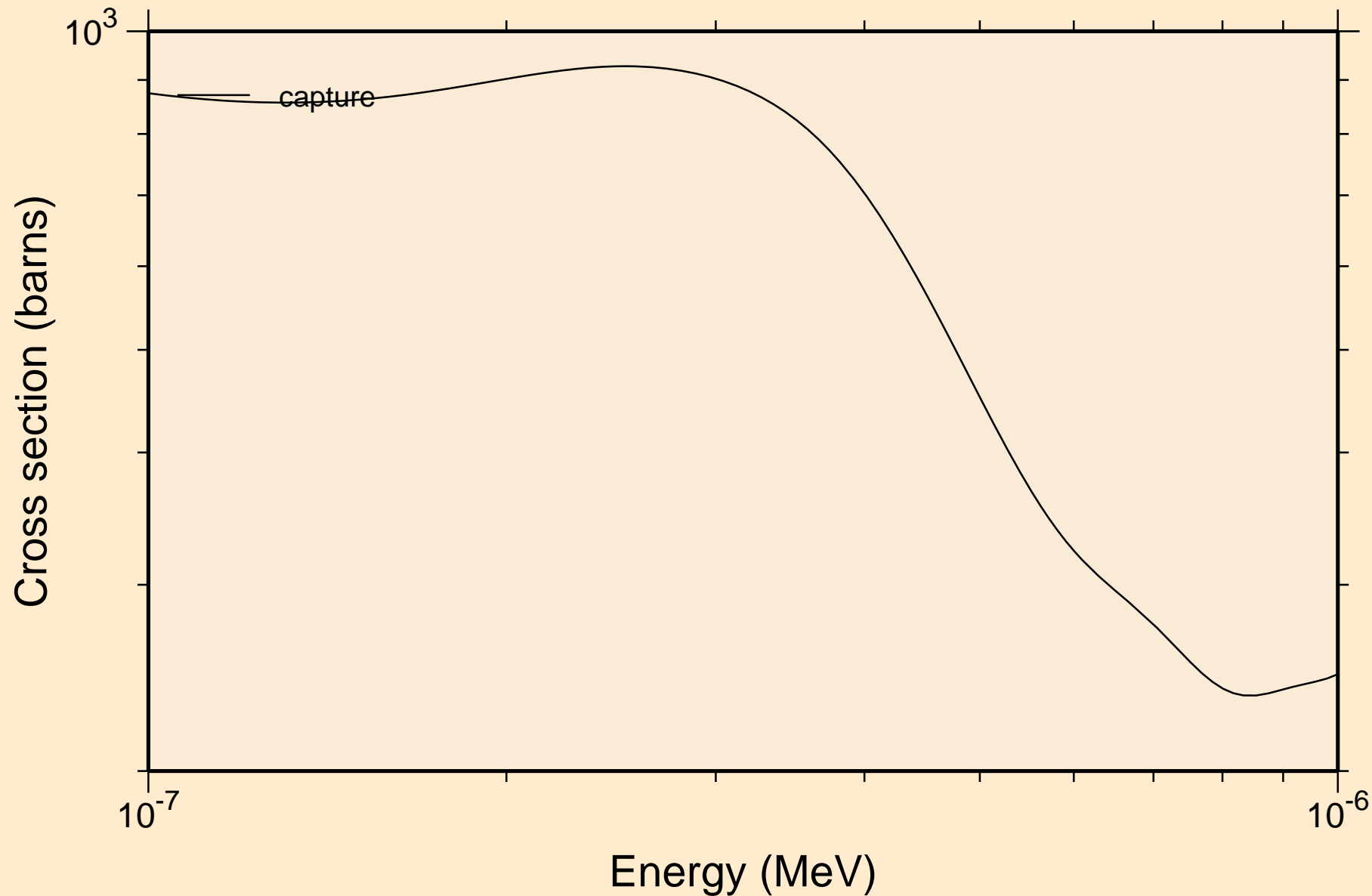
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resonance total cross section



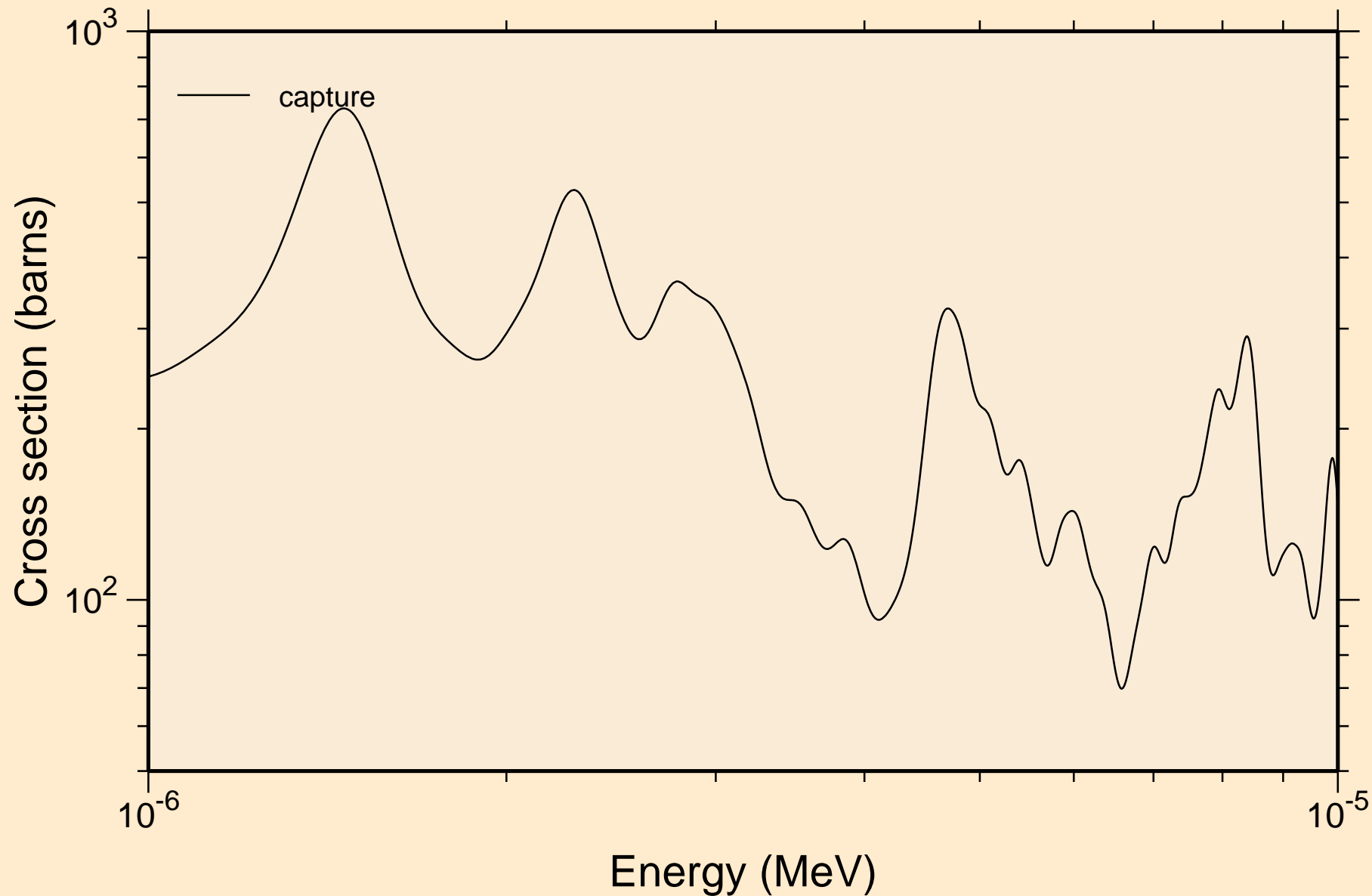
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resonance absorption cross sections



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

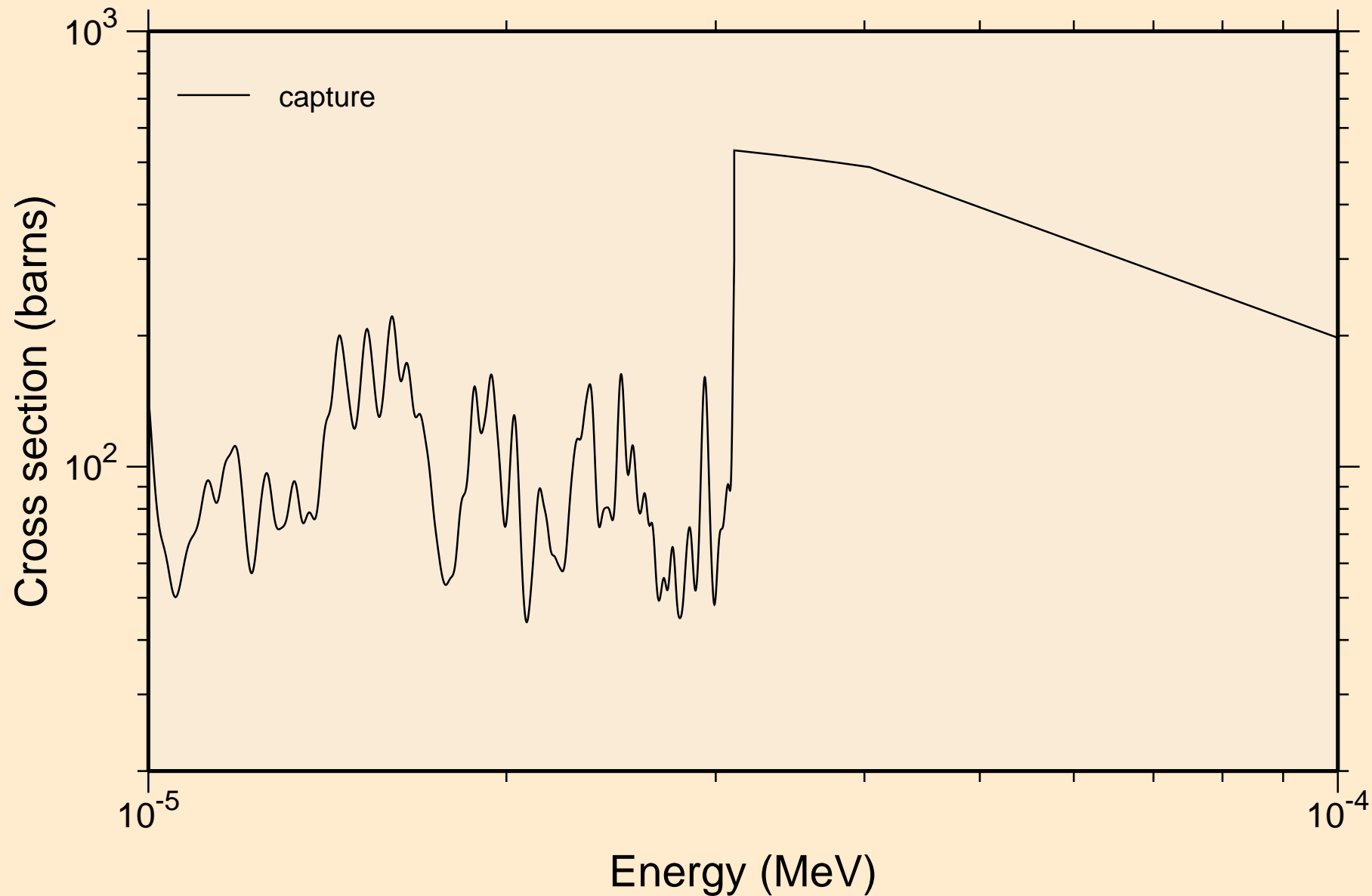


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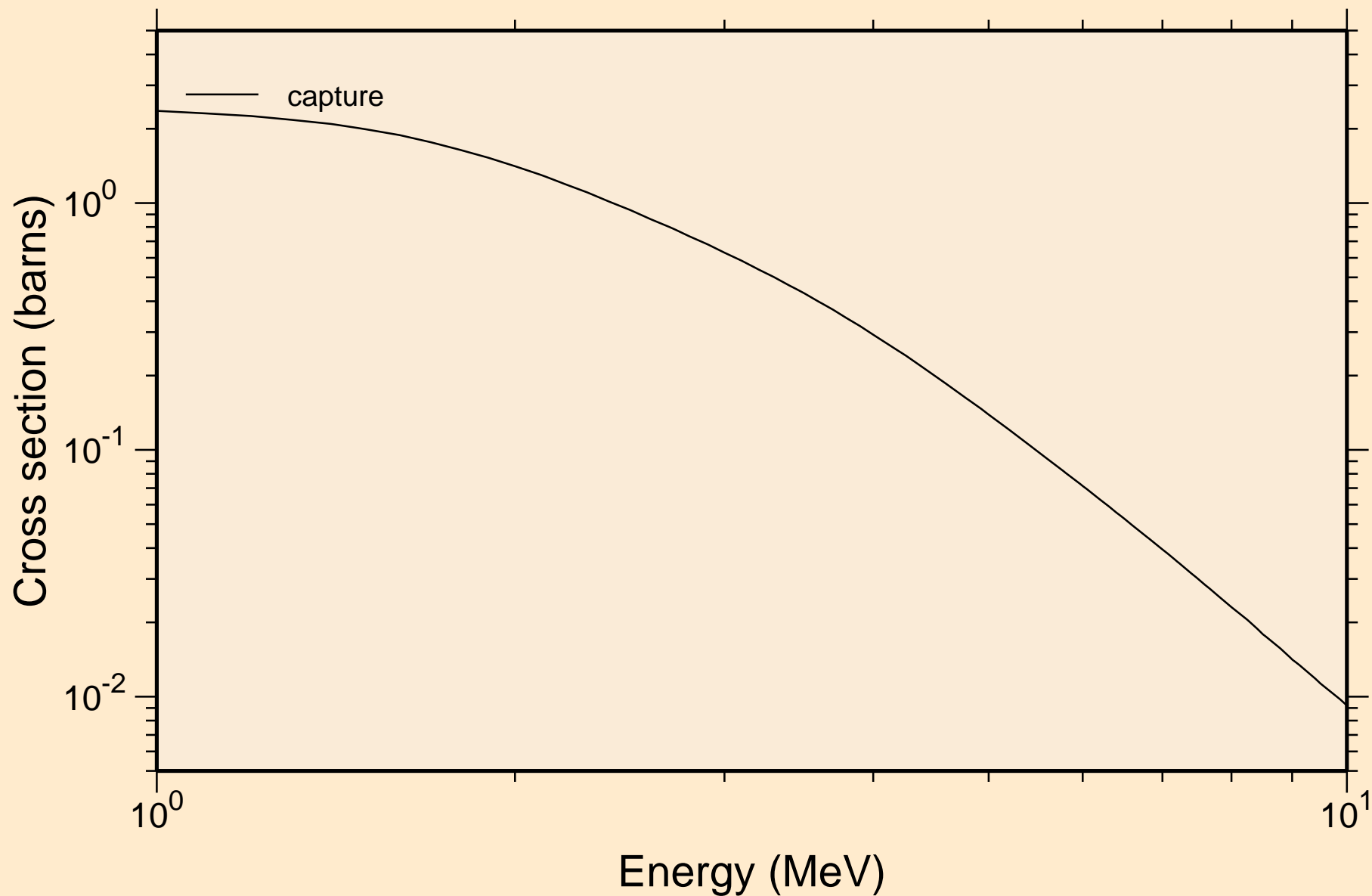




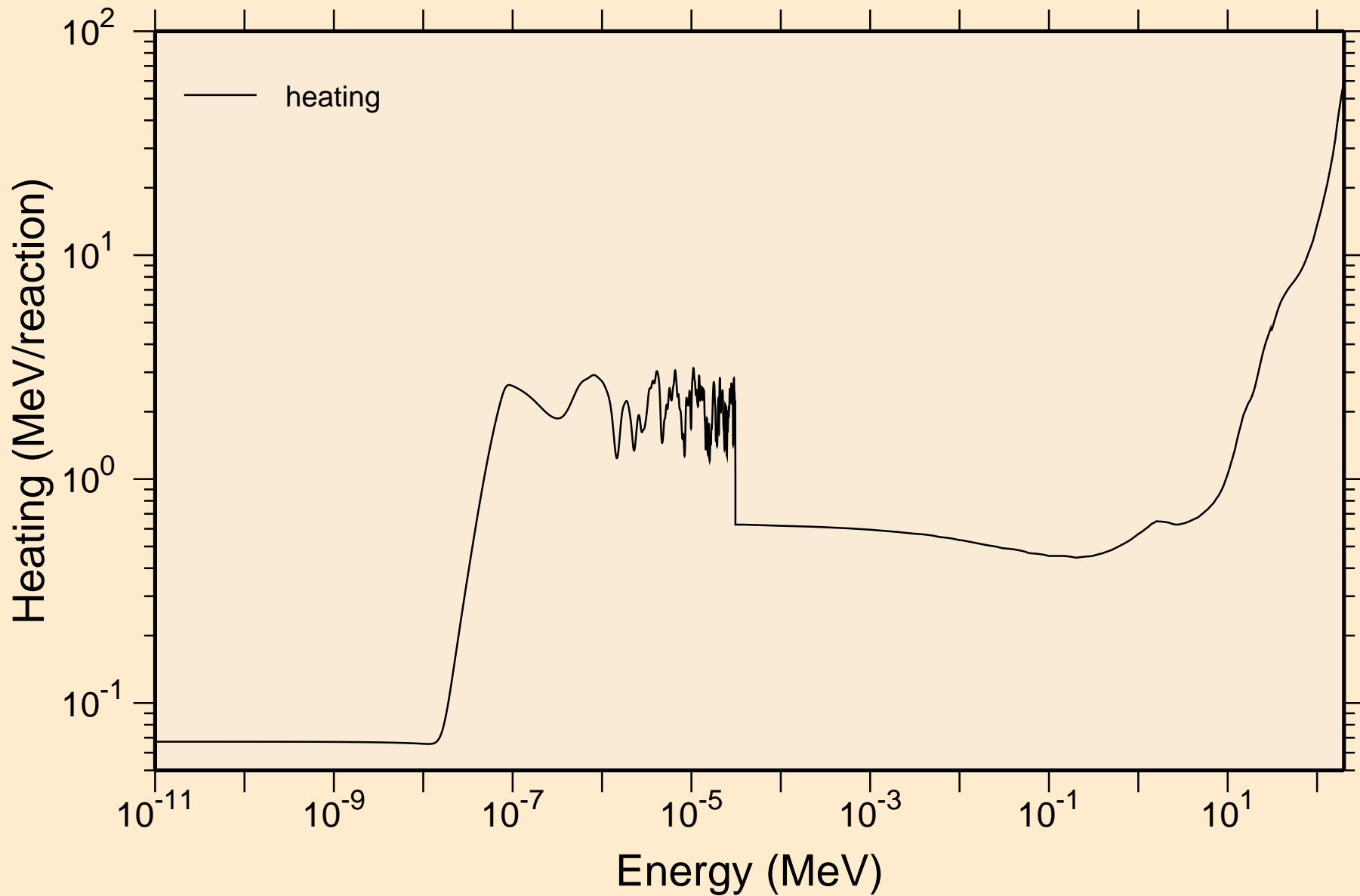
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resonance absorption cross sections



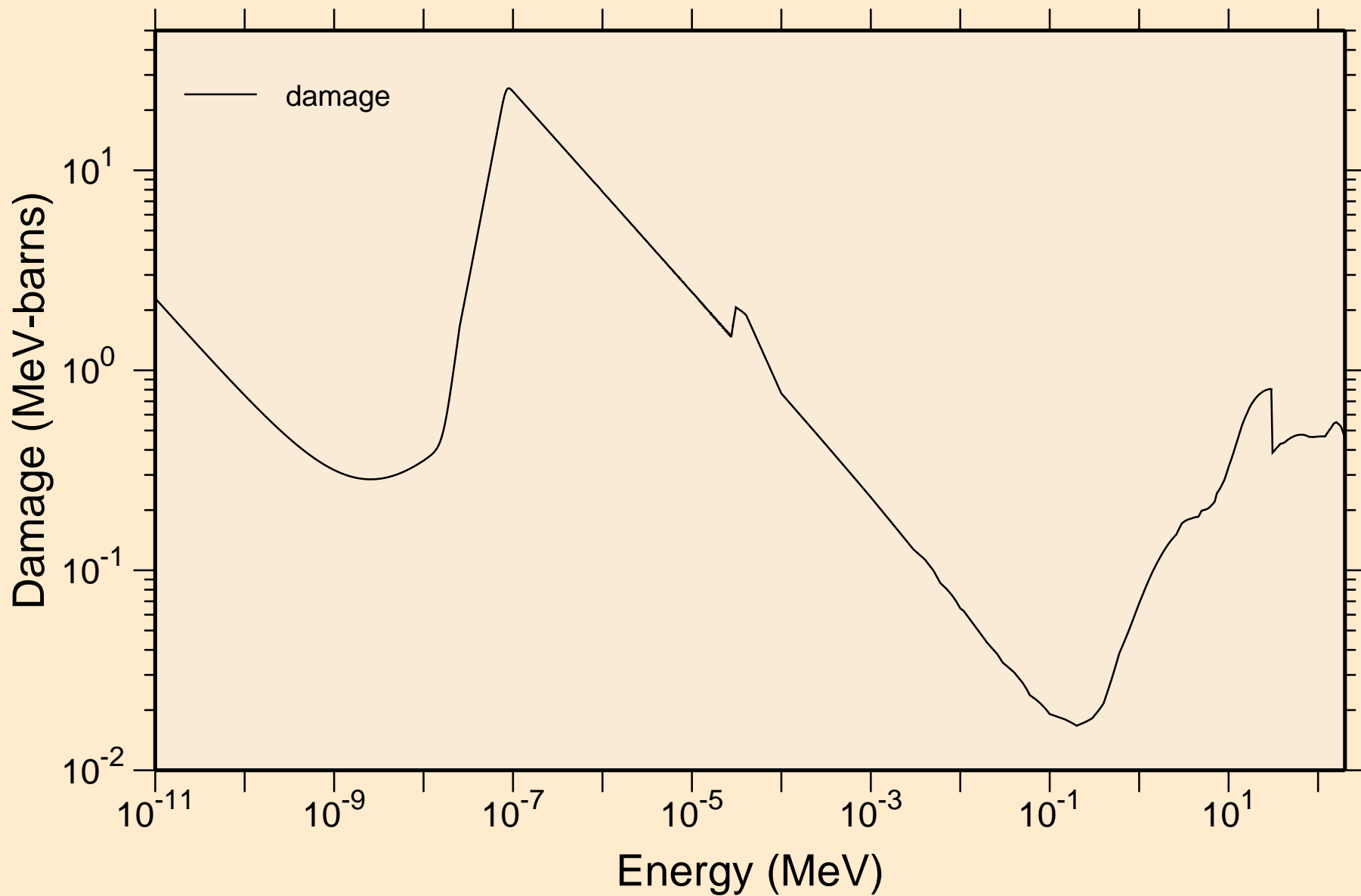
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resonance absorption cross sections



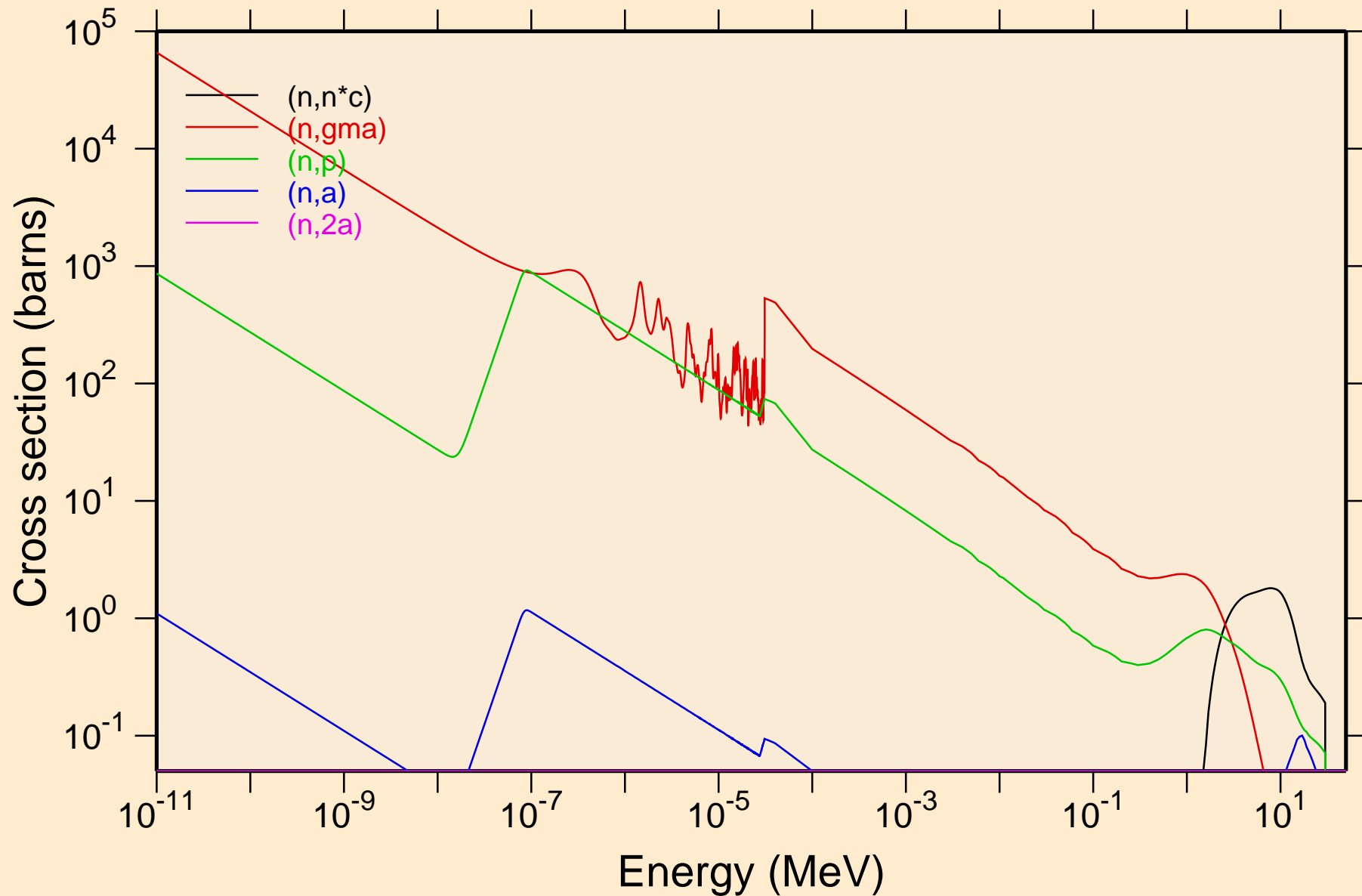
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Heating



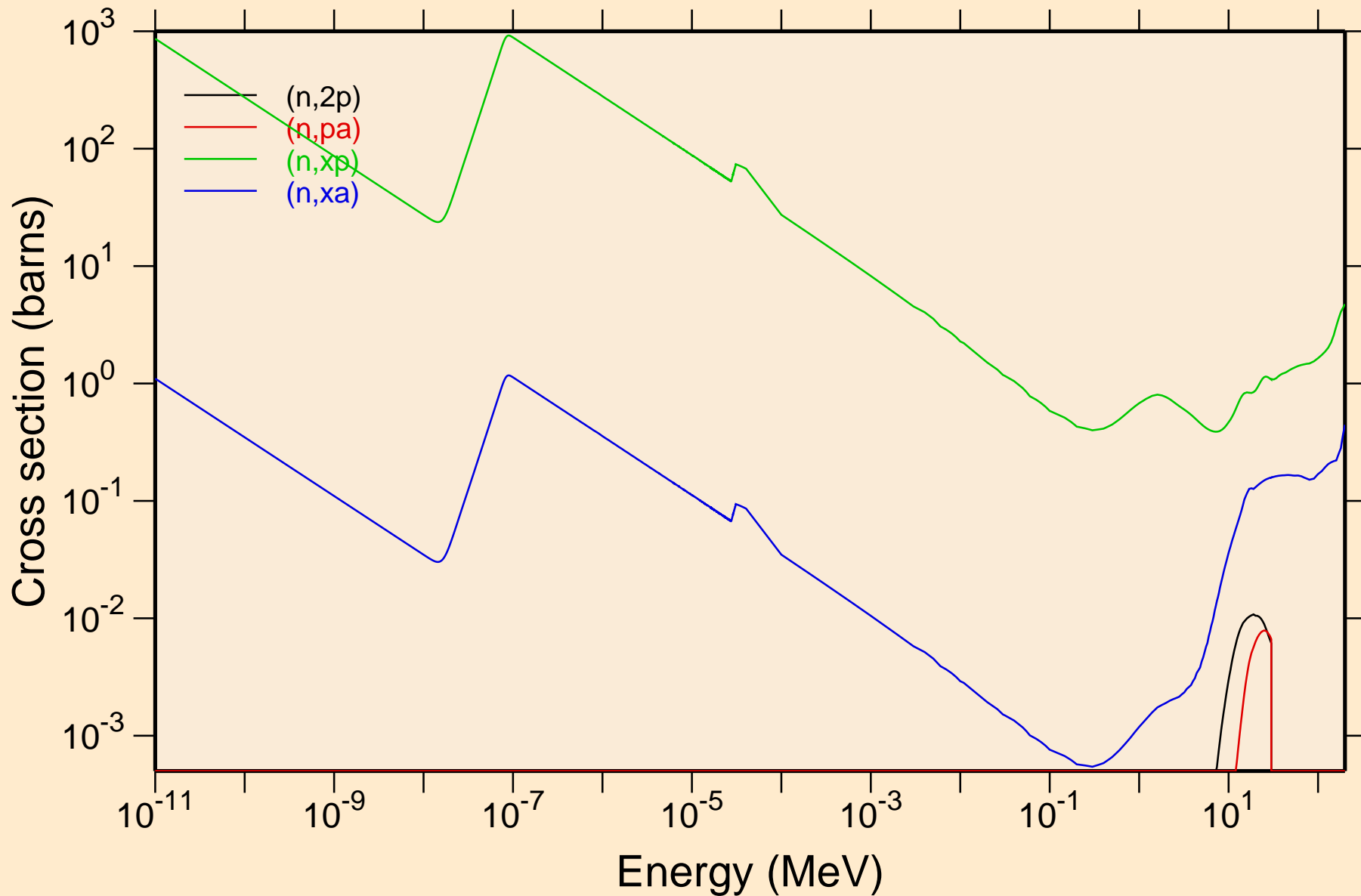
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Damage



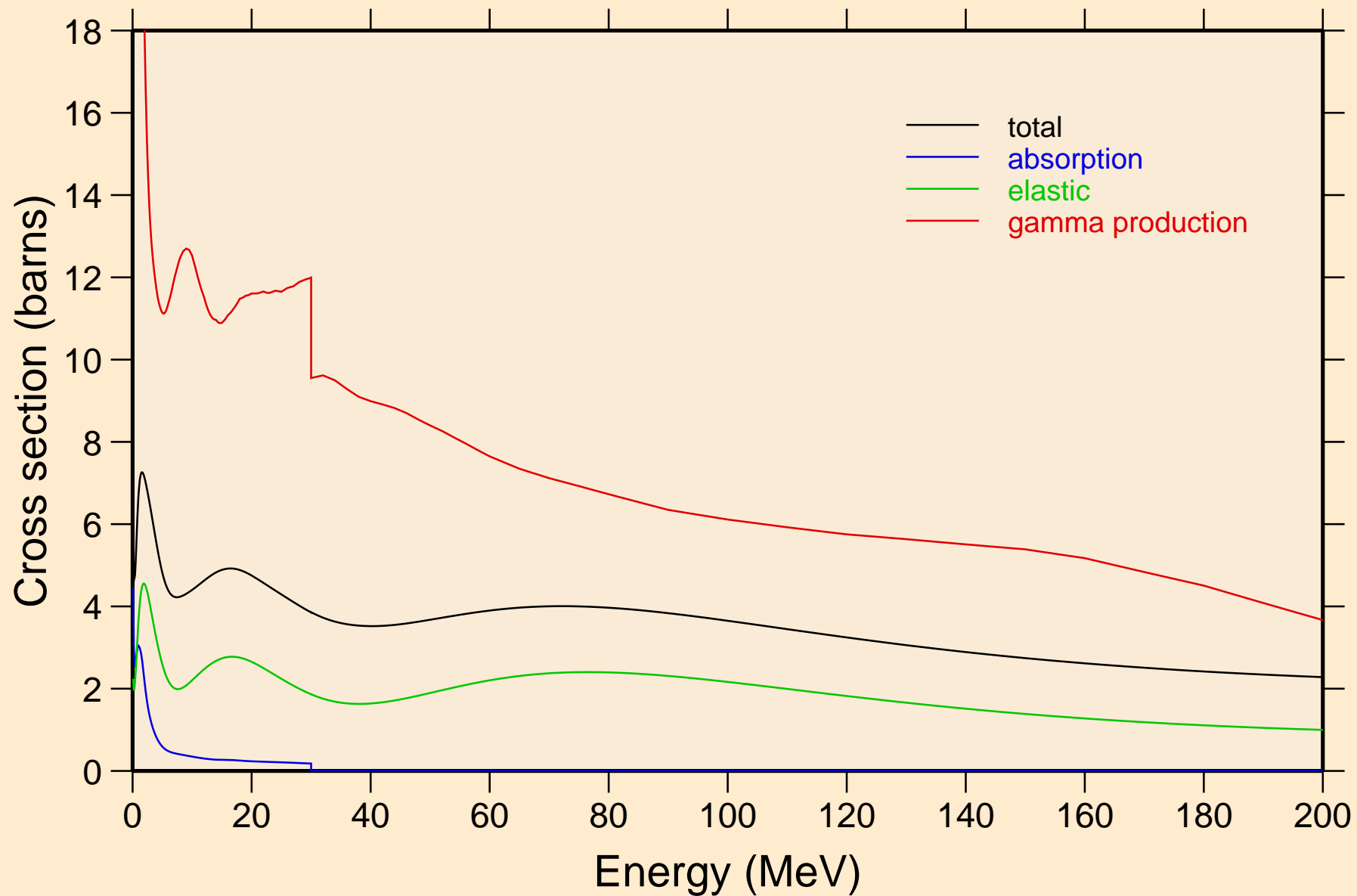
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Non-threshold reactions



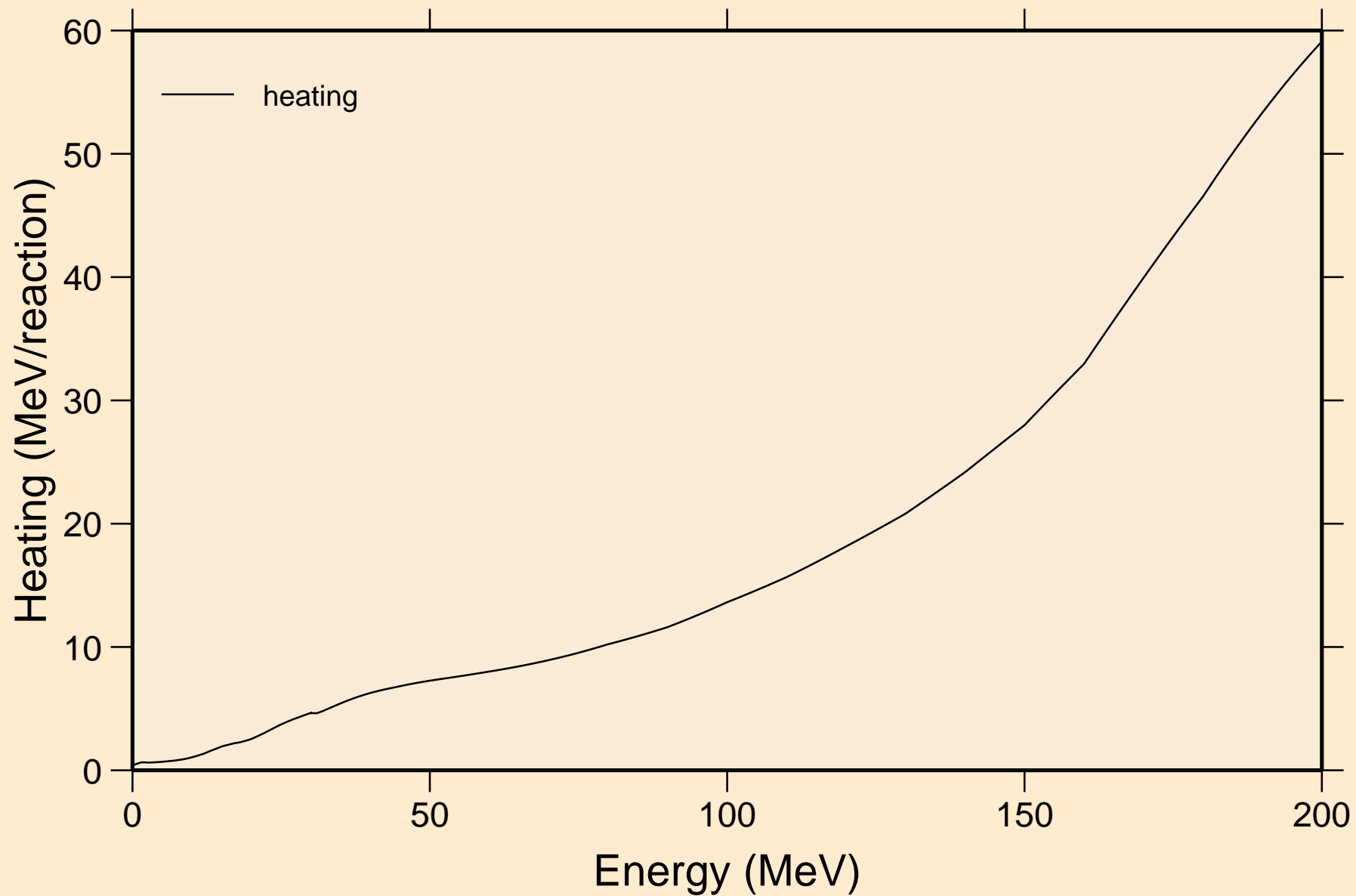
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Non-threshold reactions



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

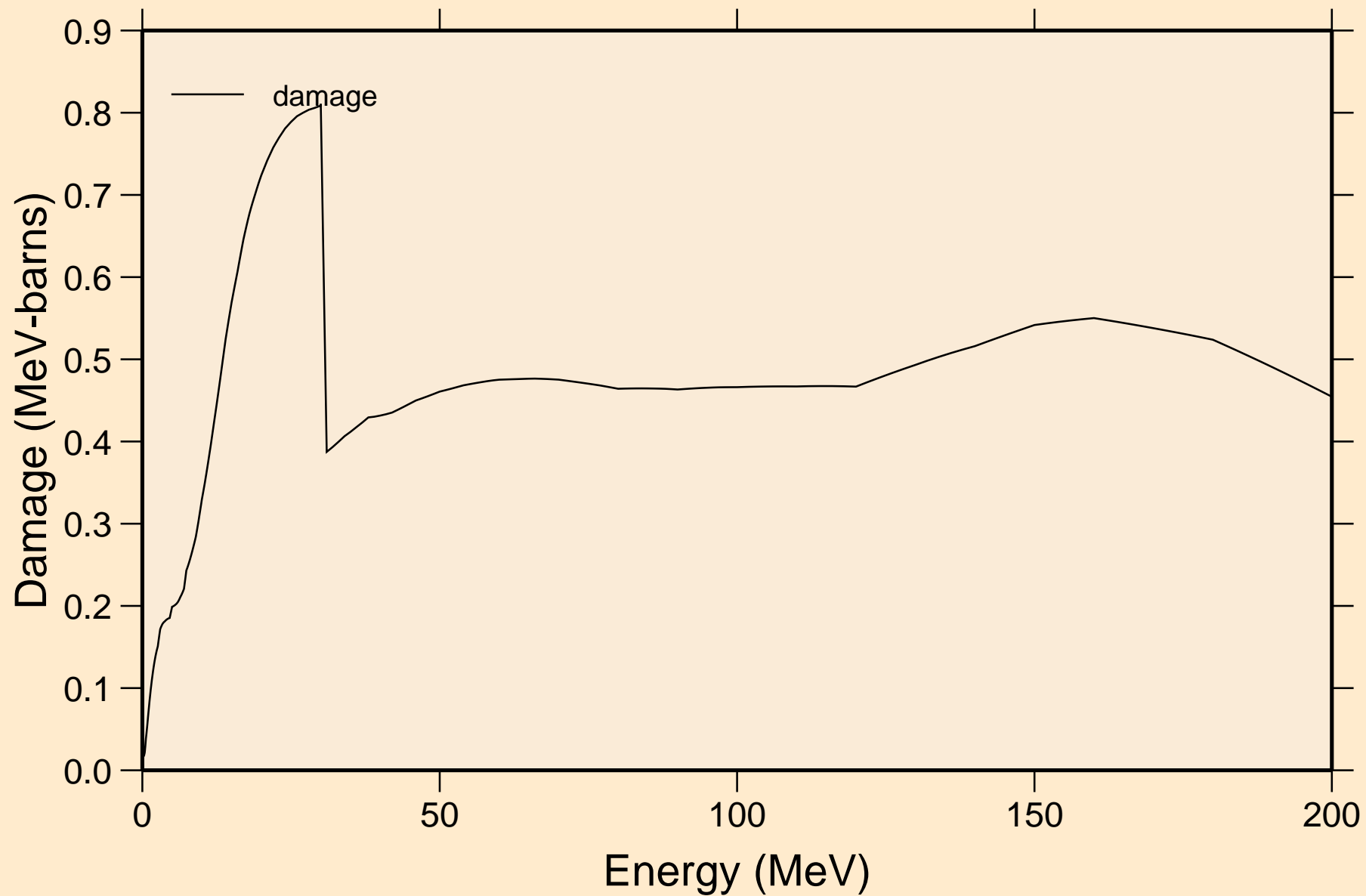


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Heating

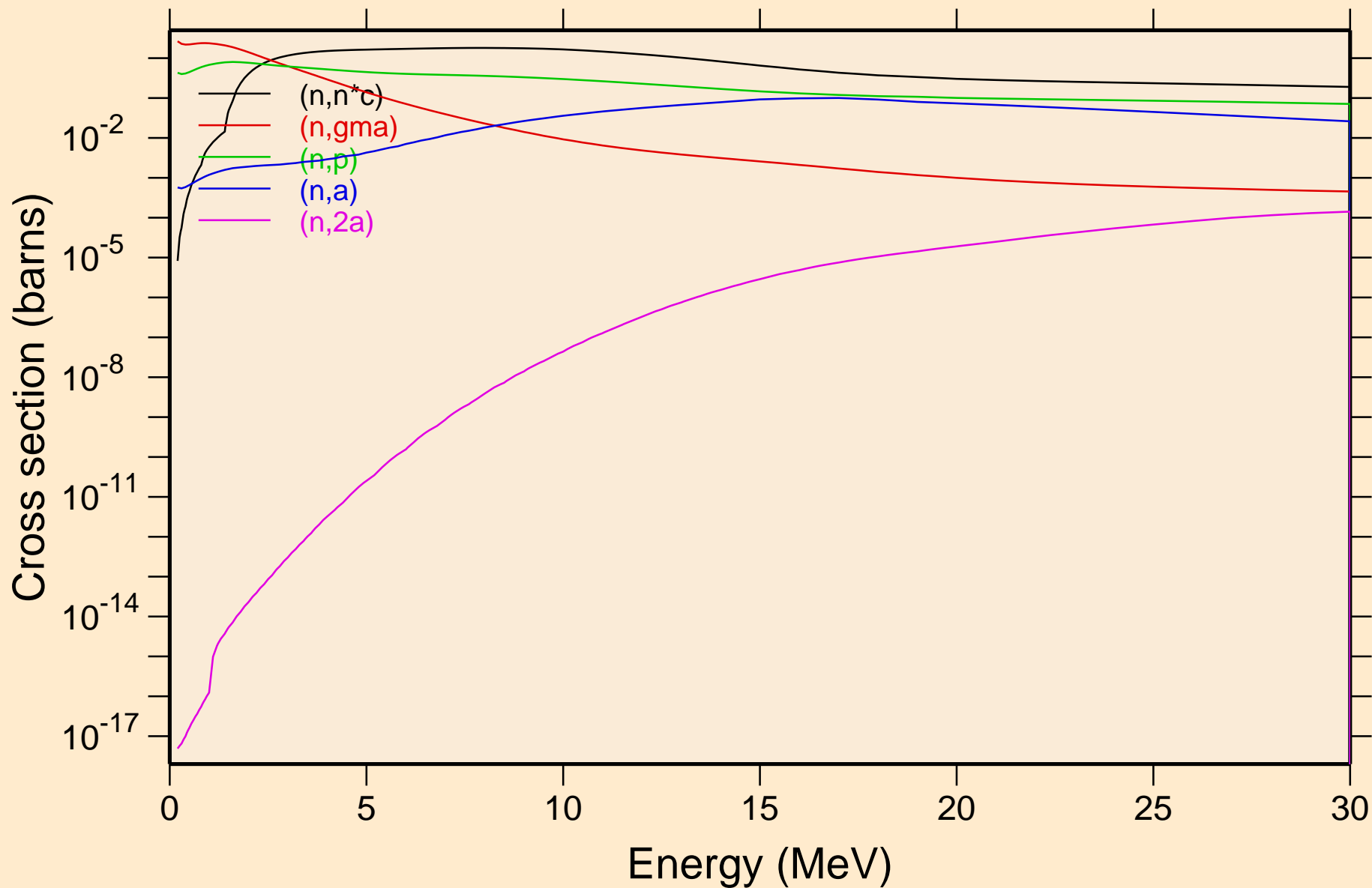




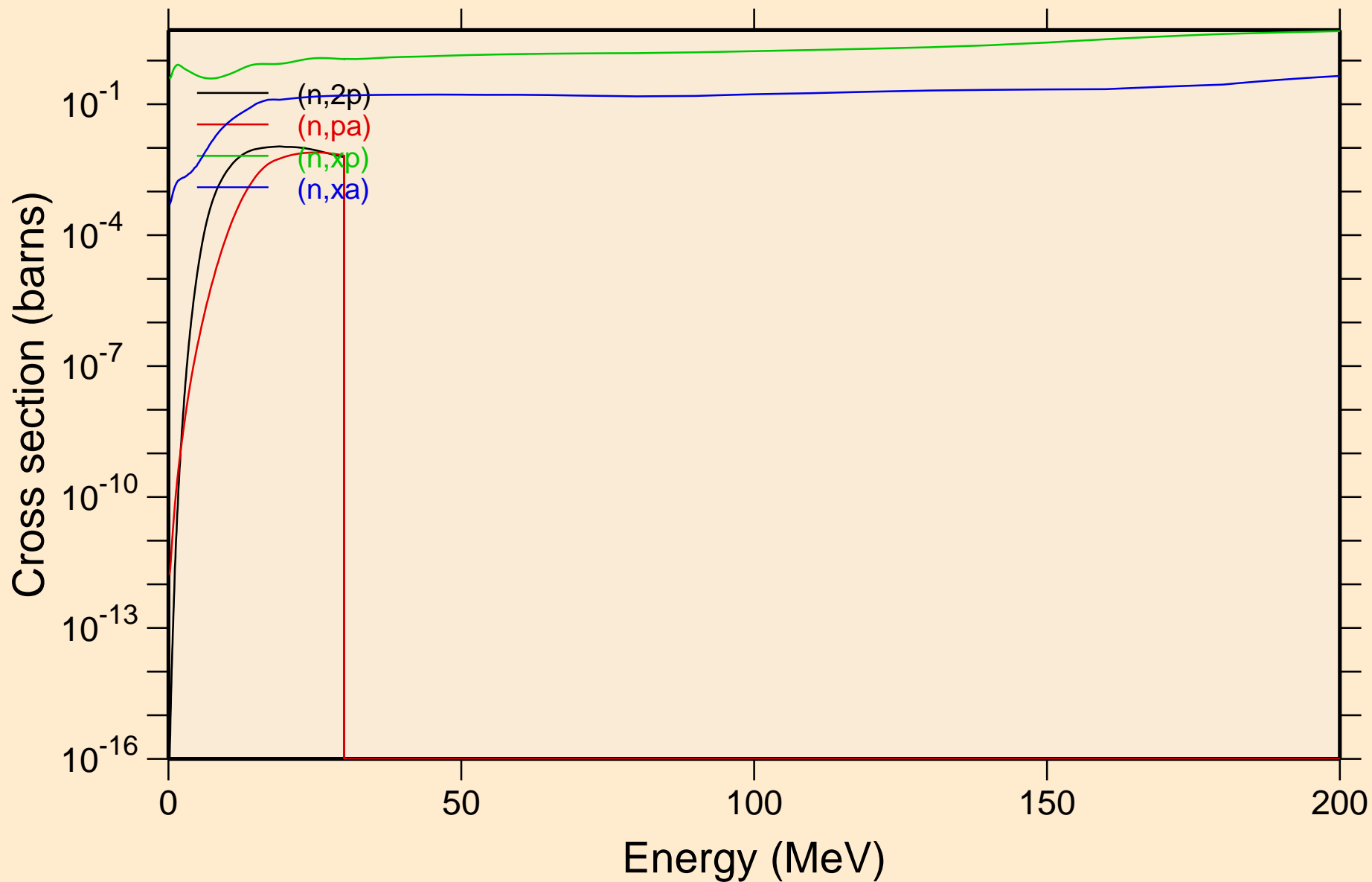
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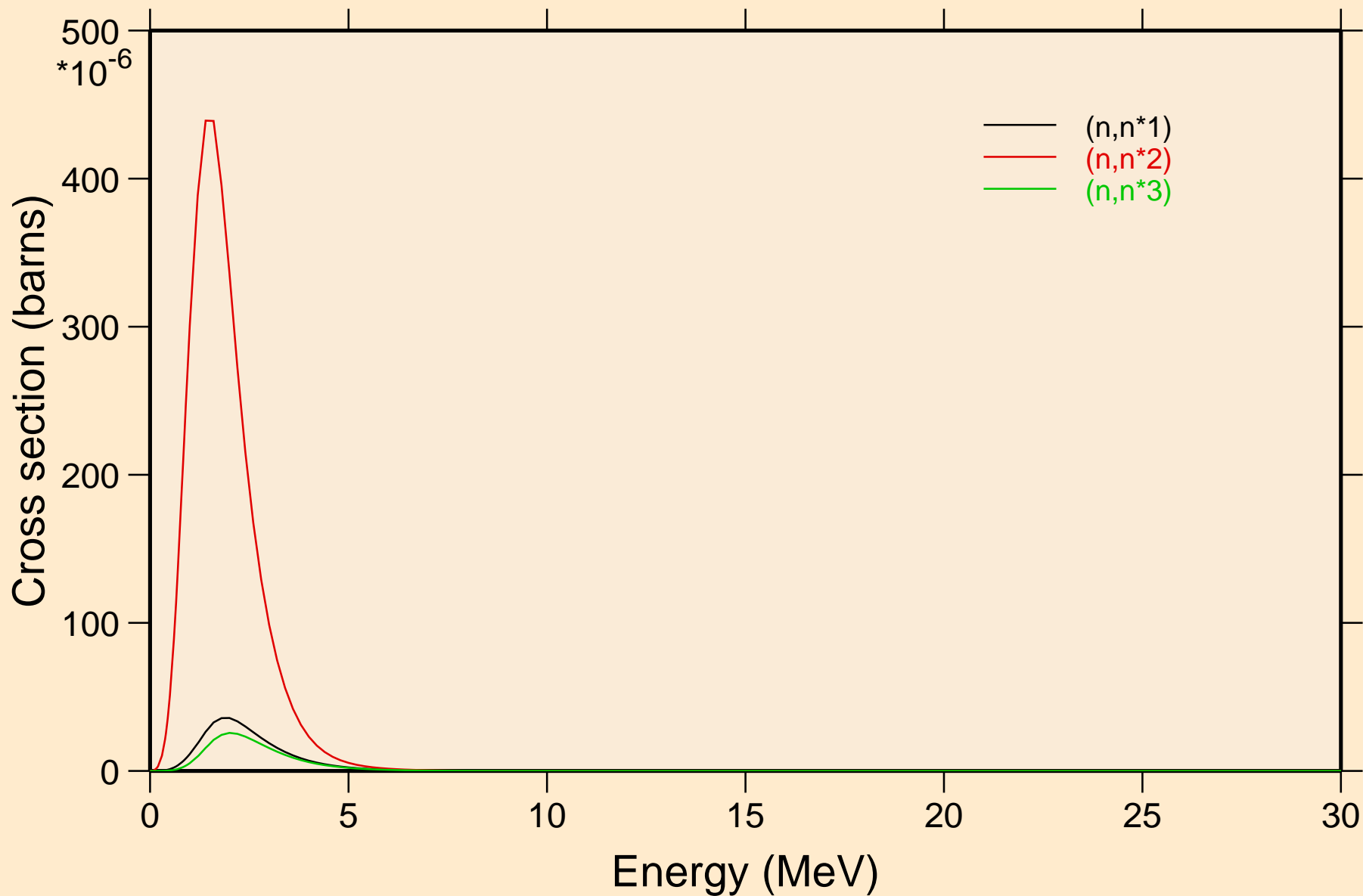
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Non-threshold reactions



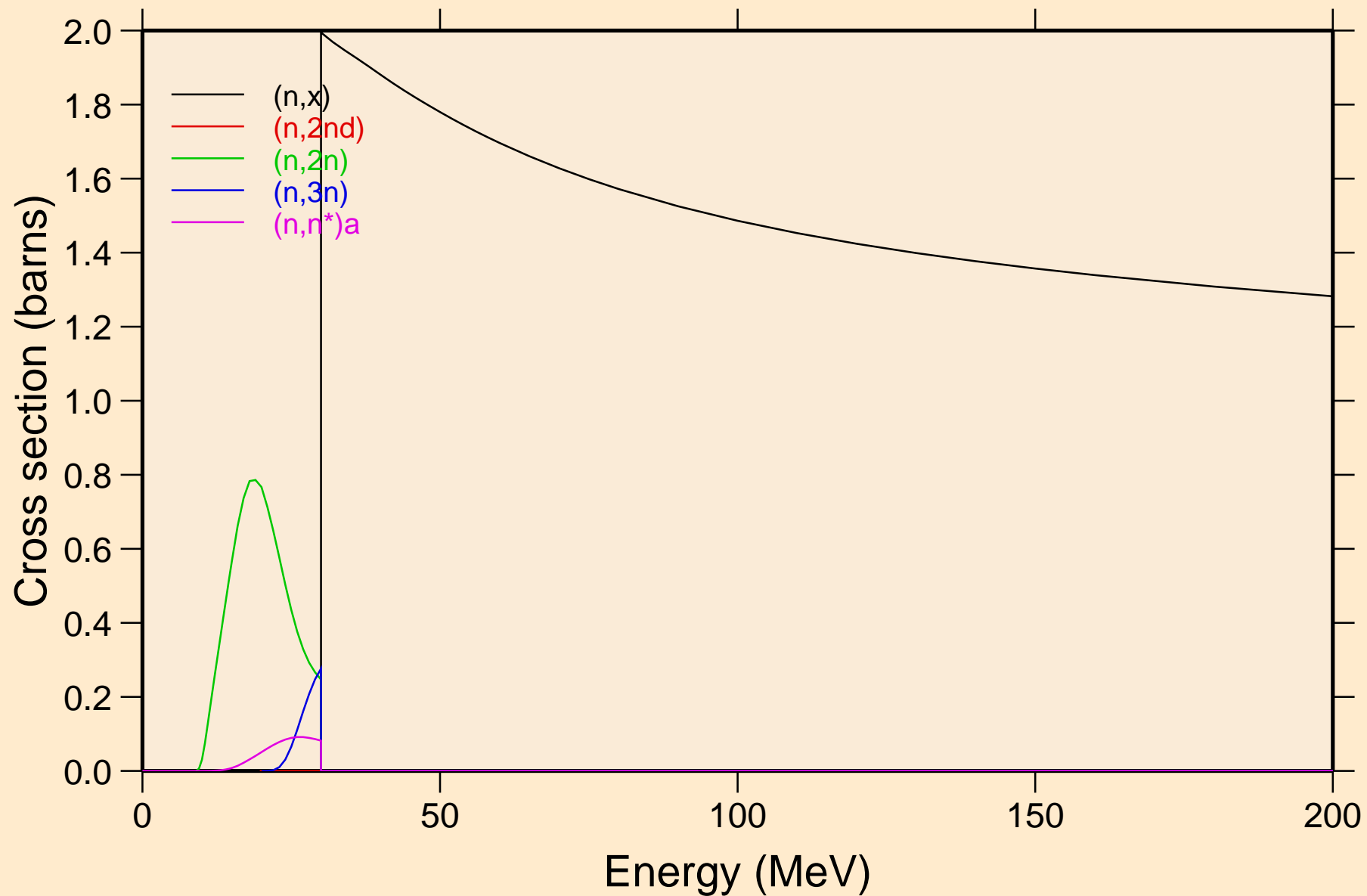
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Non-threshold reactions



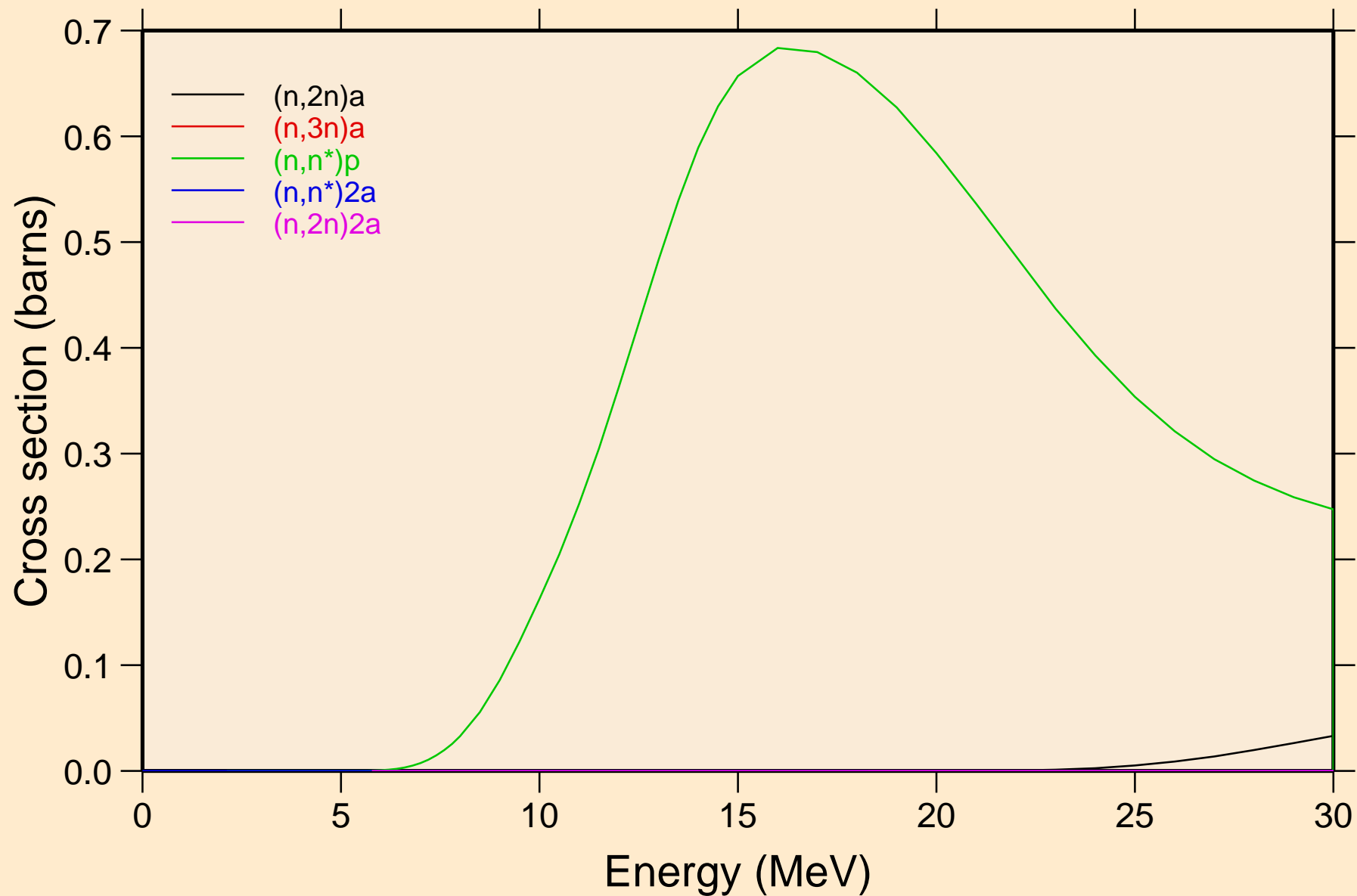
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Inelastic levels



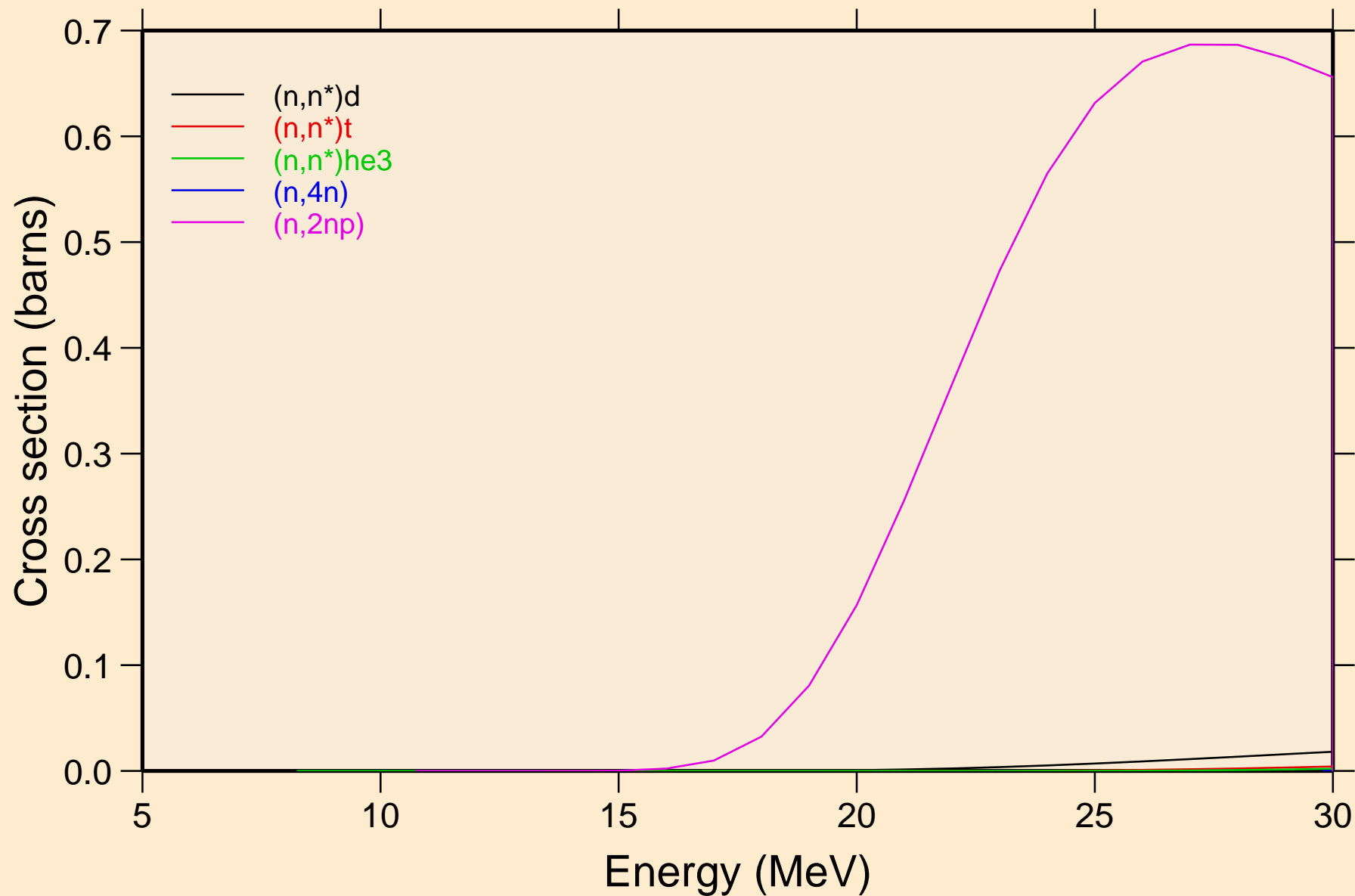
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

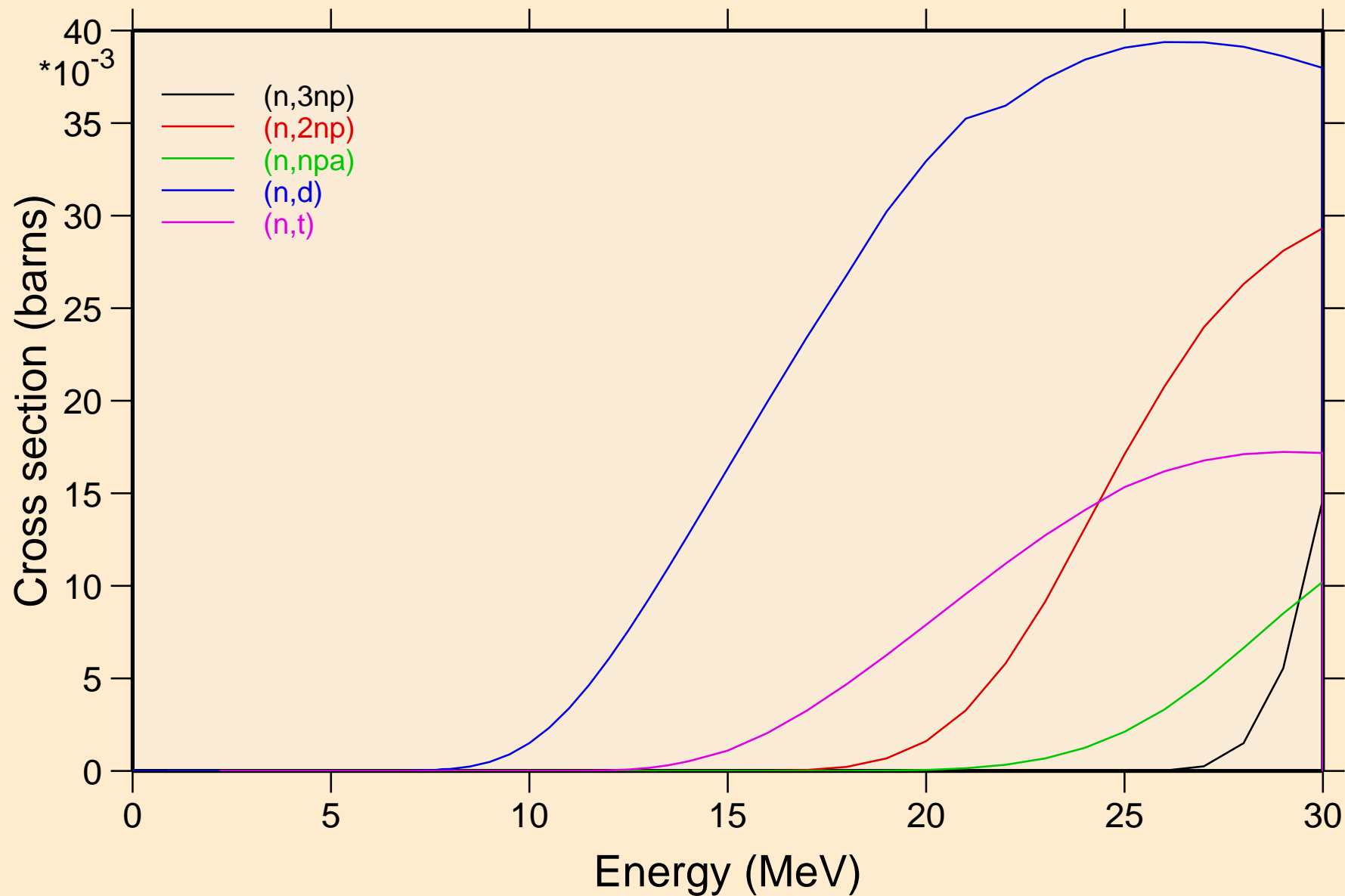


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Threshold reactions



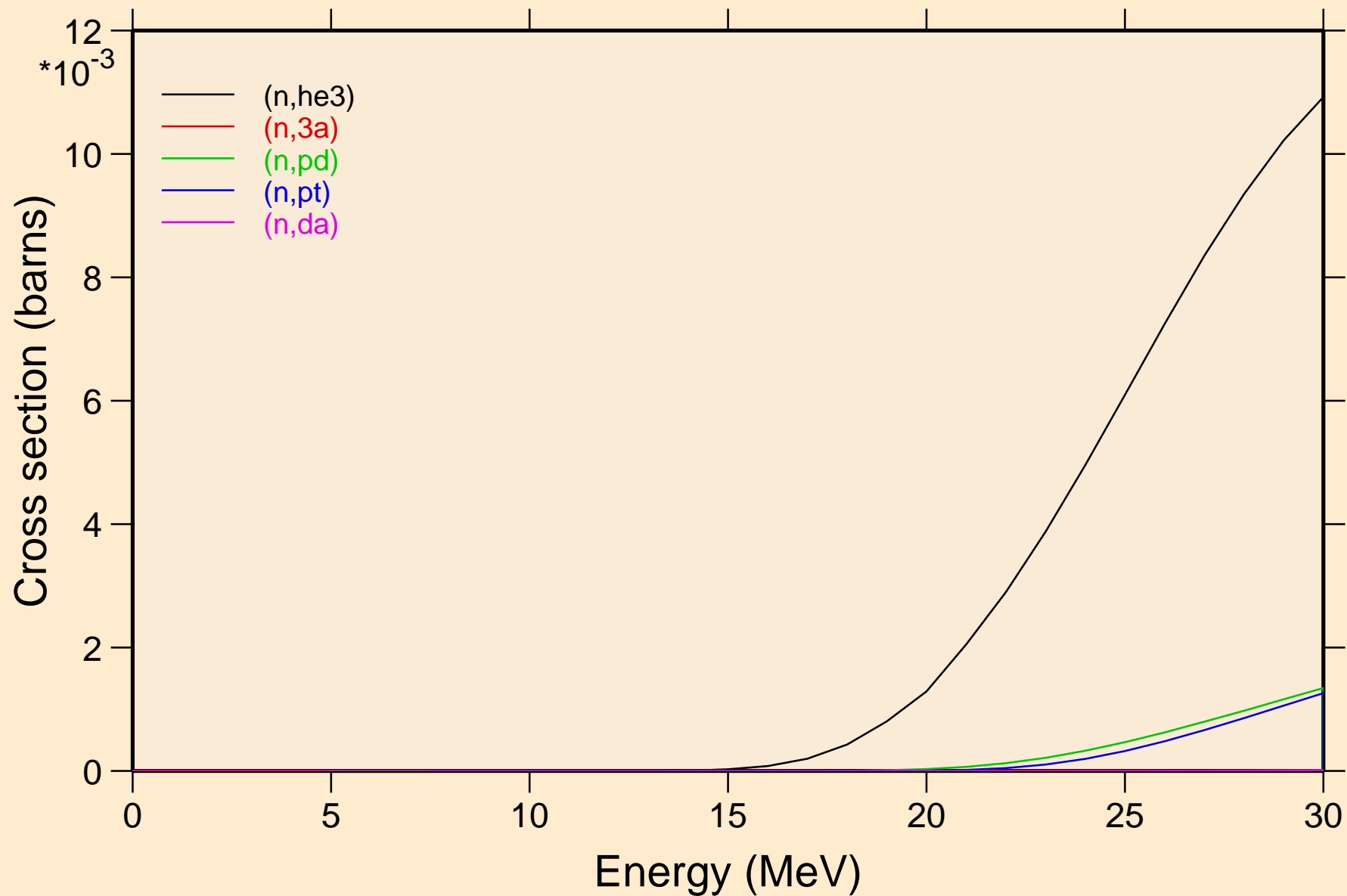
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## Threshold reactions

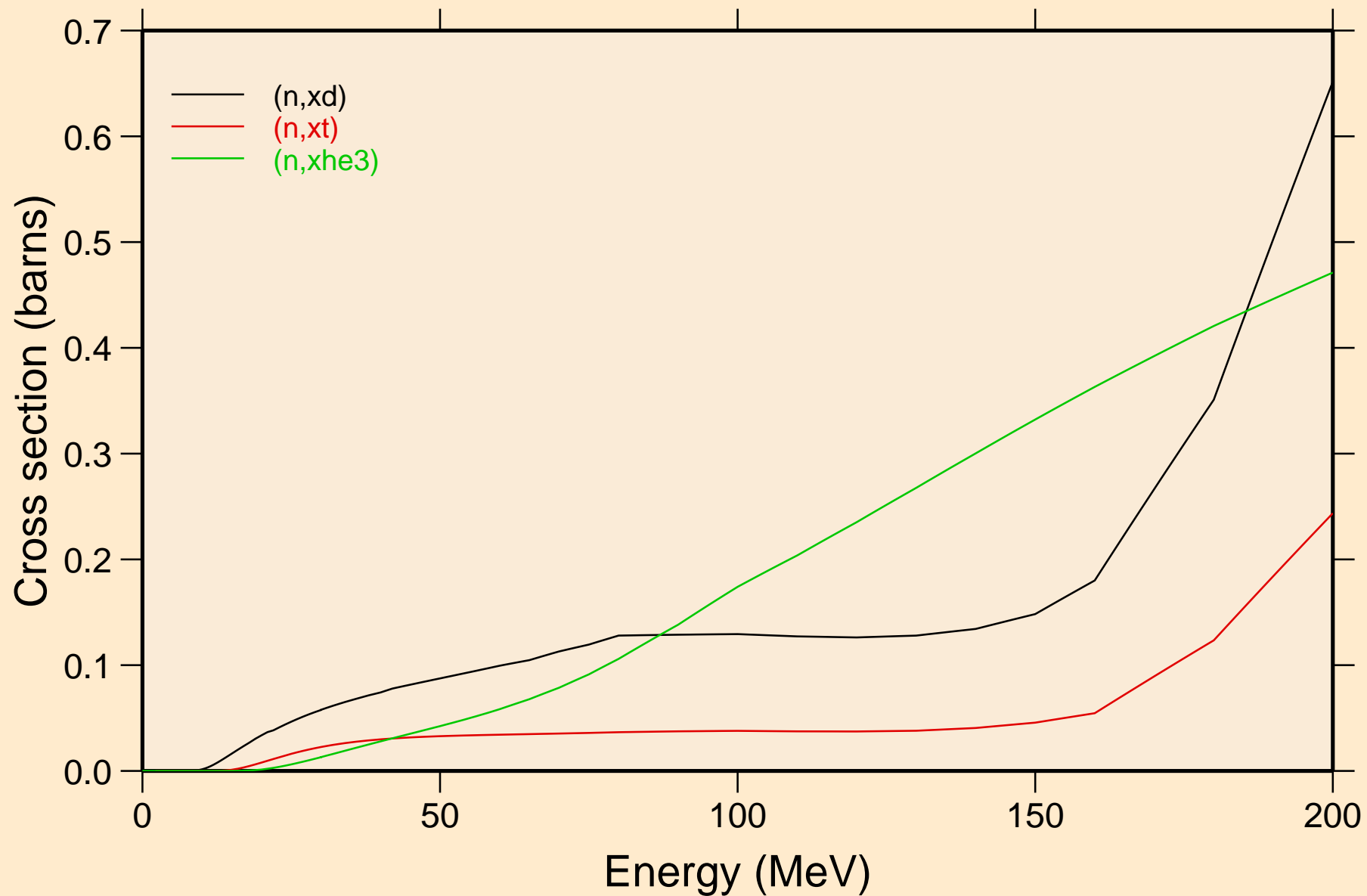




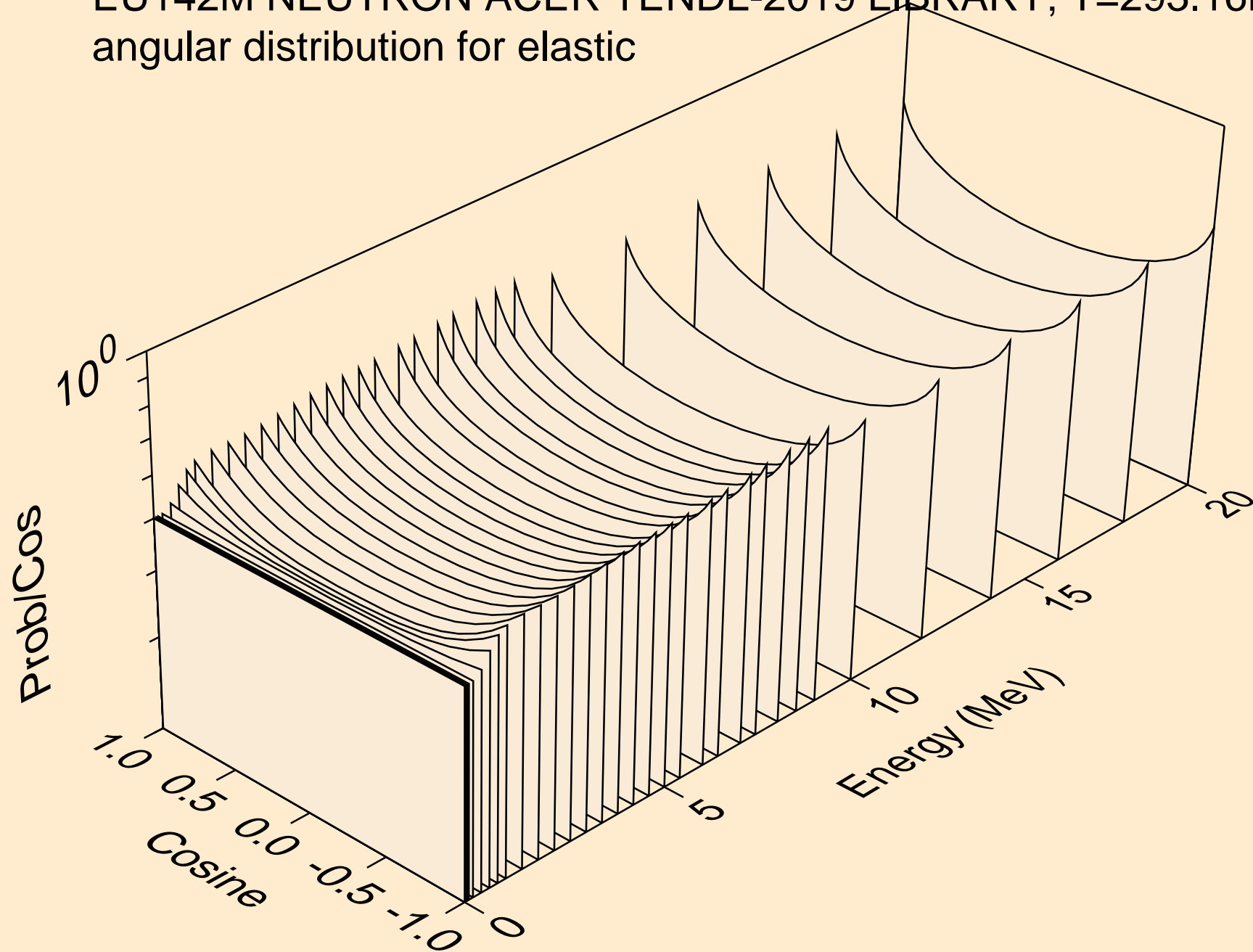
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Threshold reactions



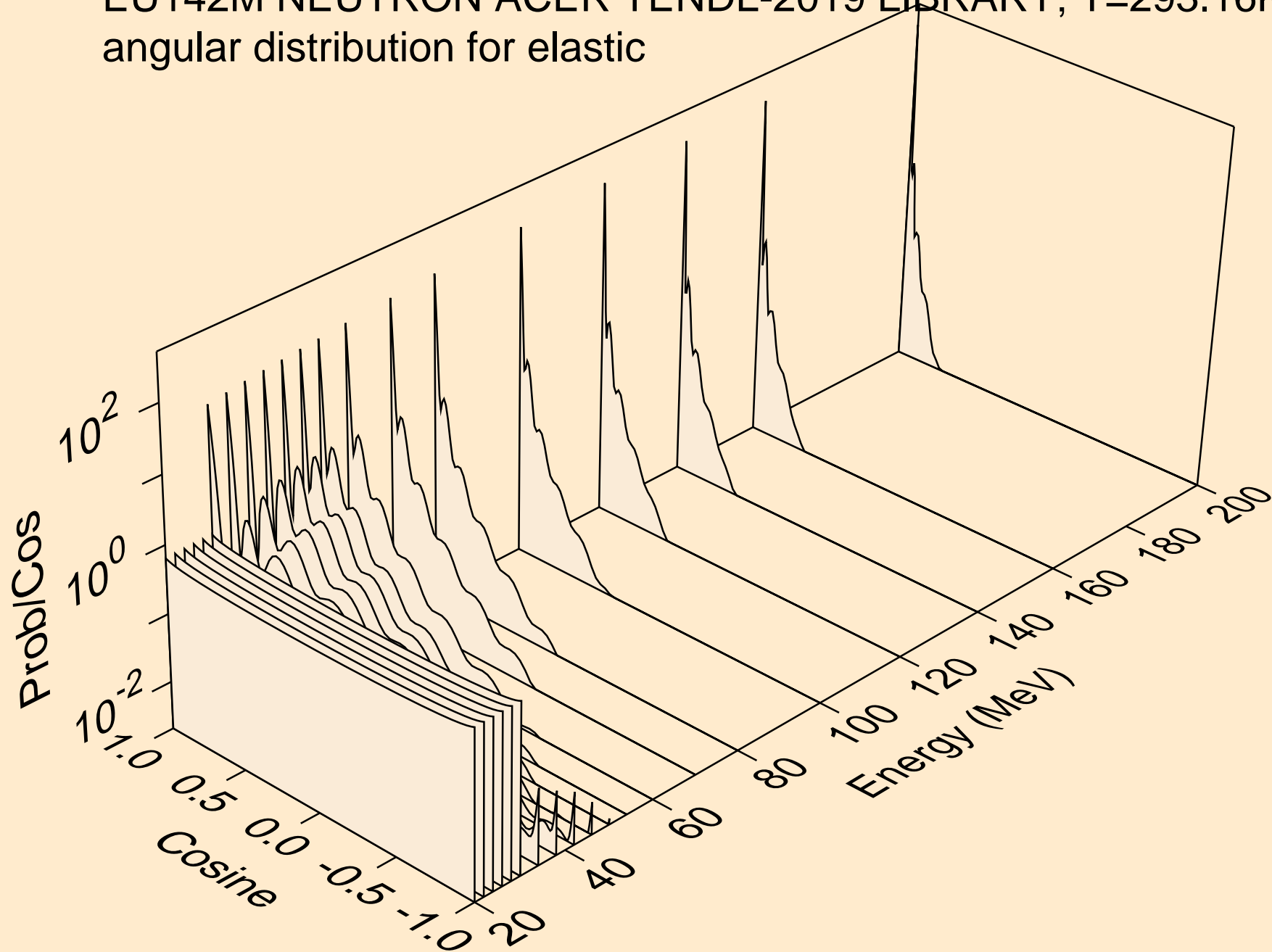
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Threshold reactions



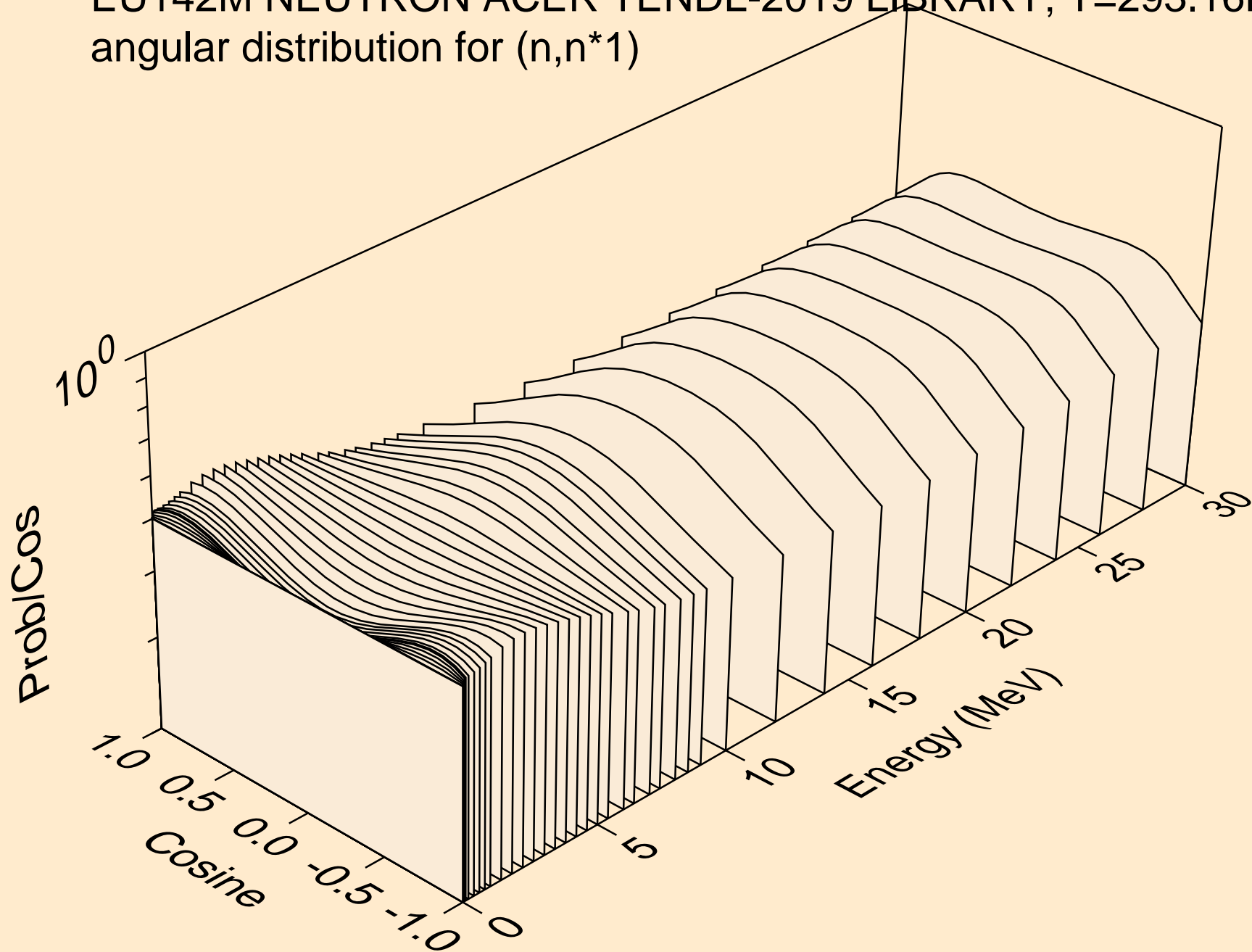
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angular distribution for elastic



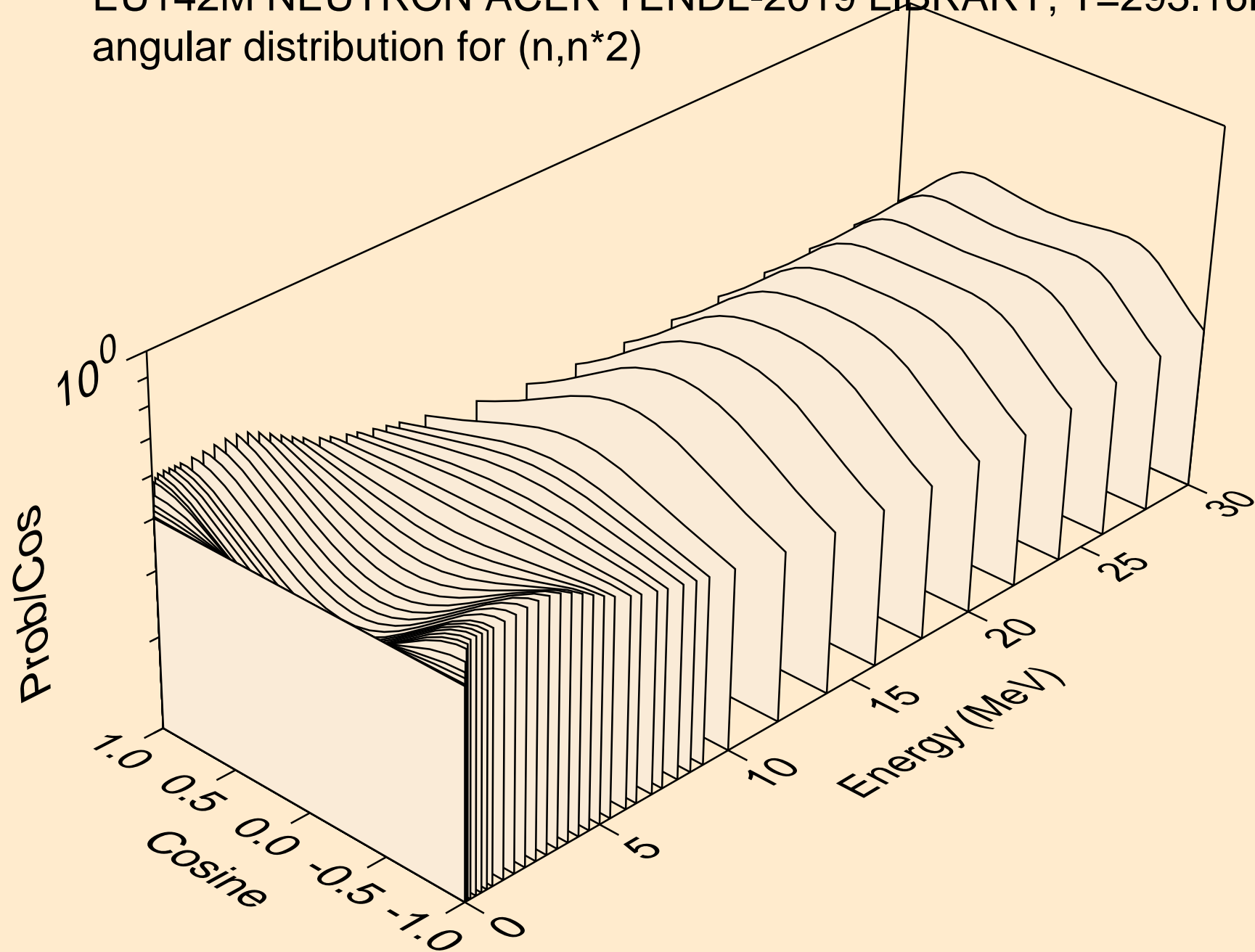
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angular distribution for elastic



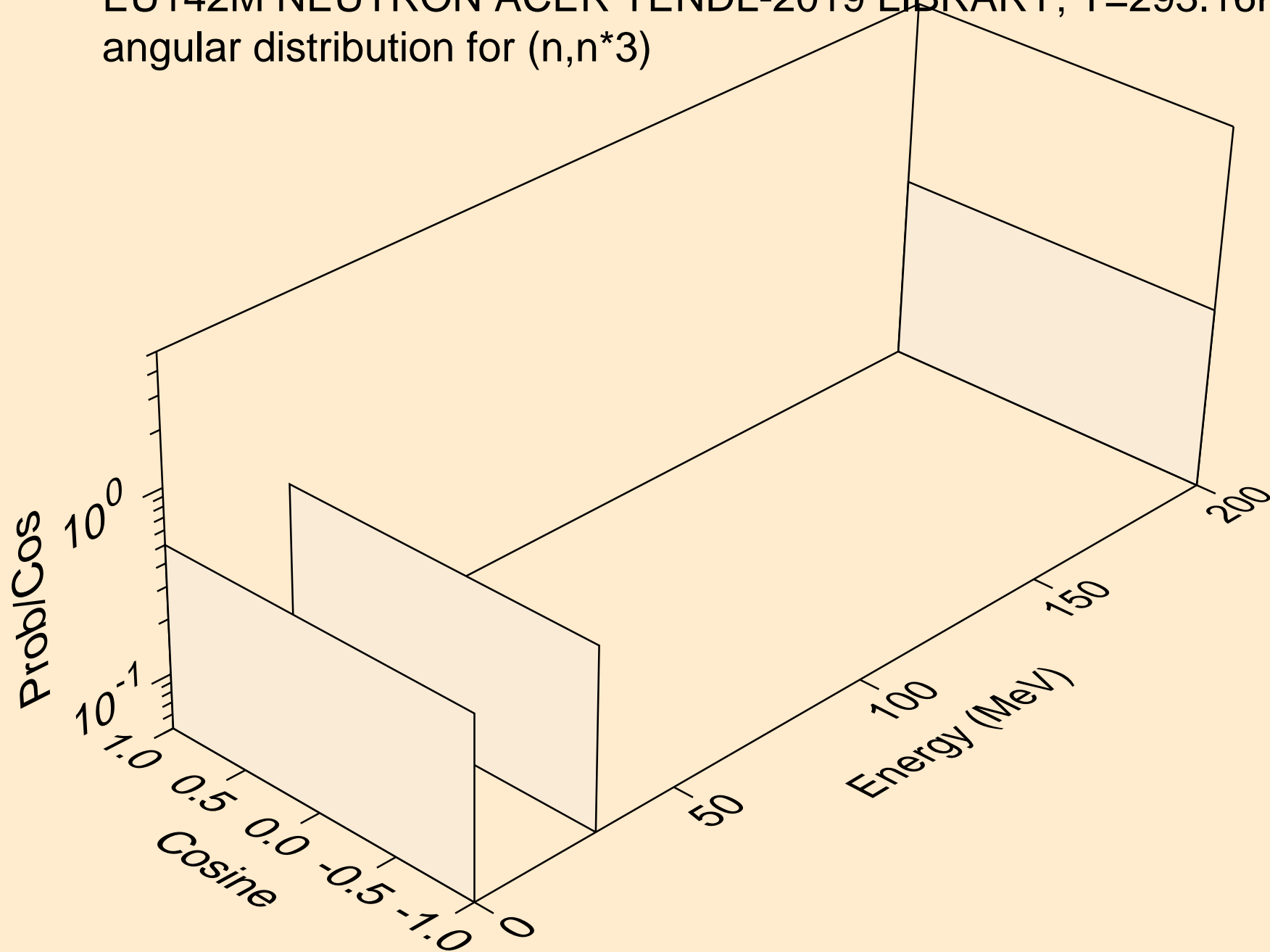
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angular distribution for (n,n\*1)



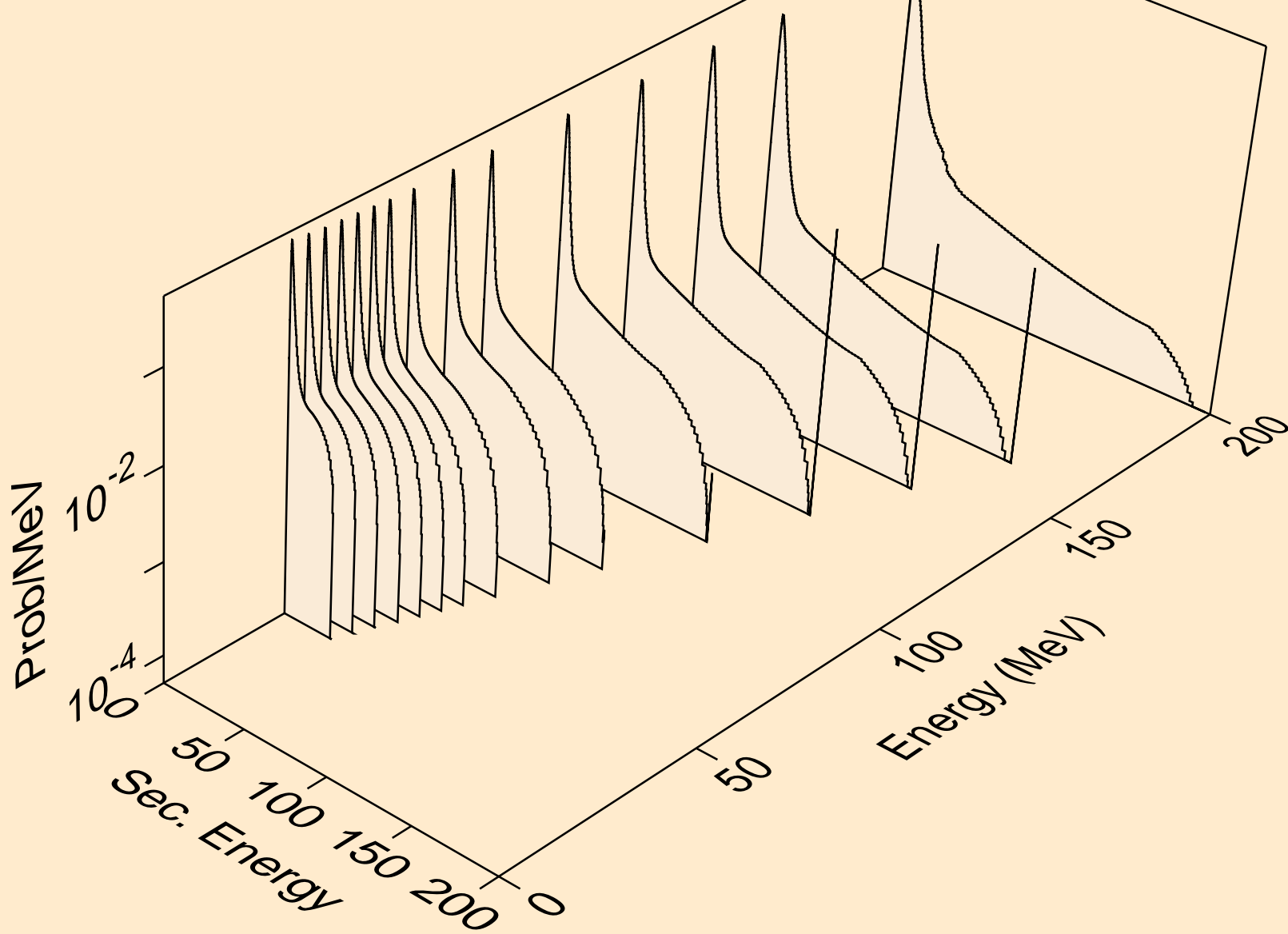
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

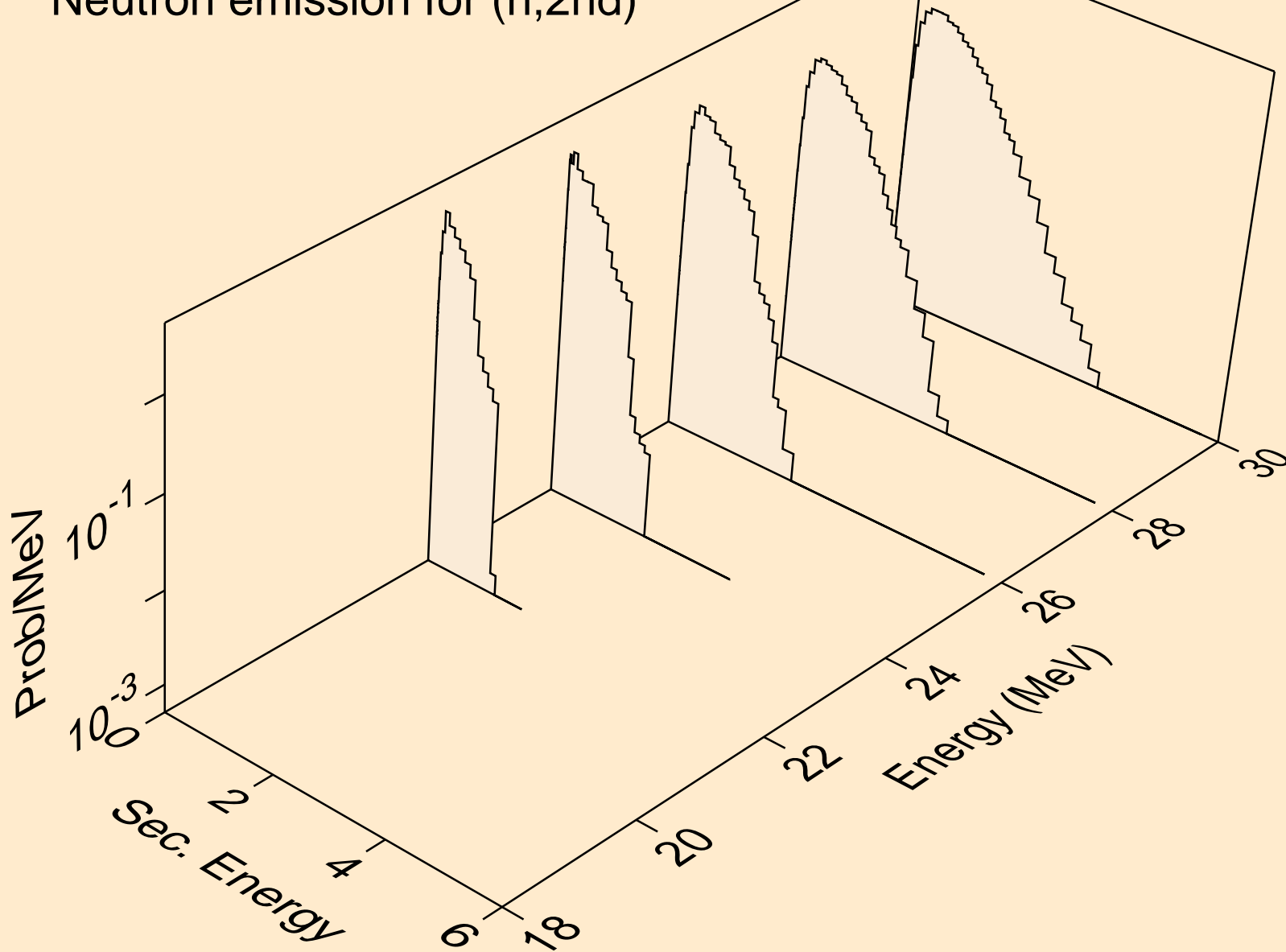


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Neutron emission for (n,x)

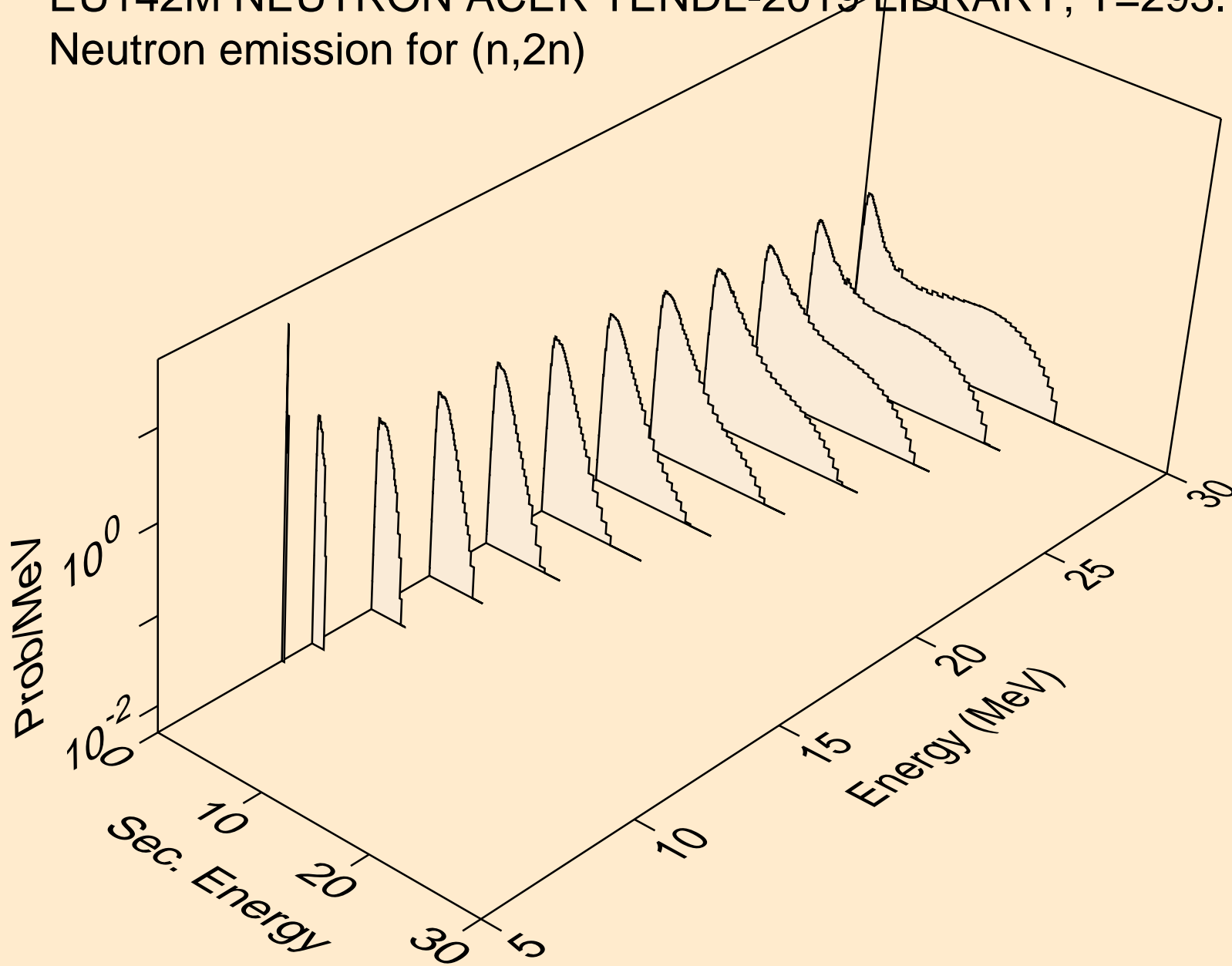




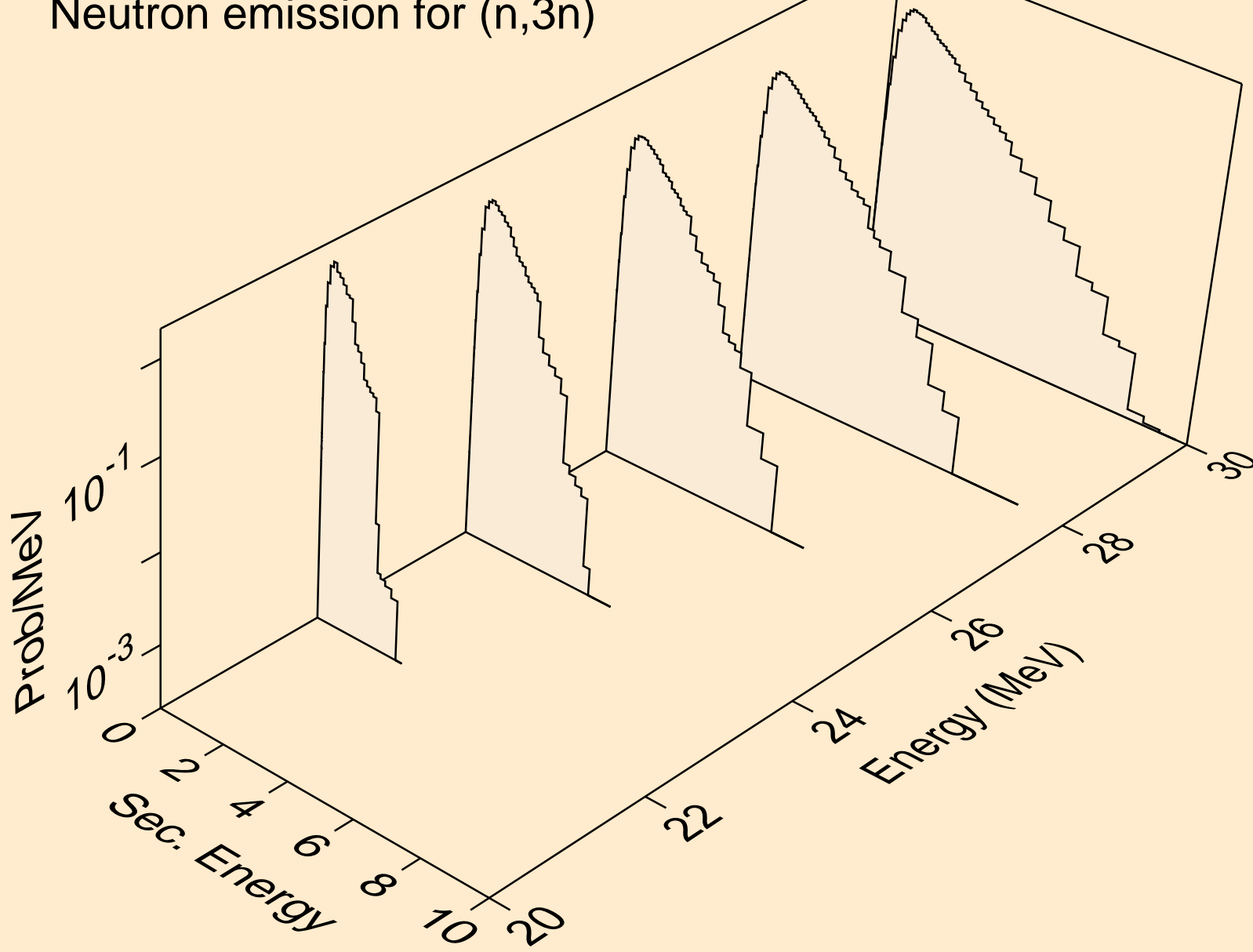
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Neutron emission for (n,2nd)



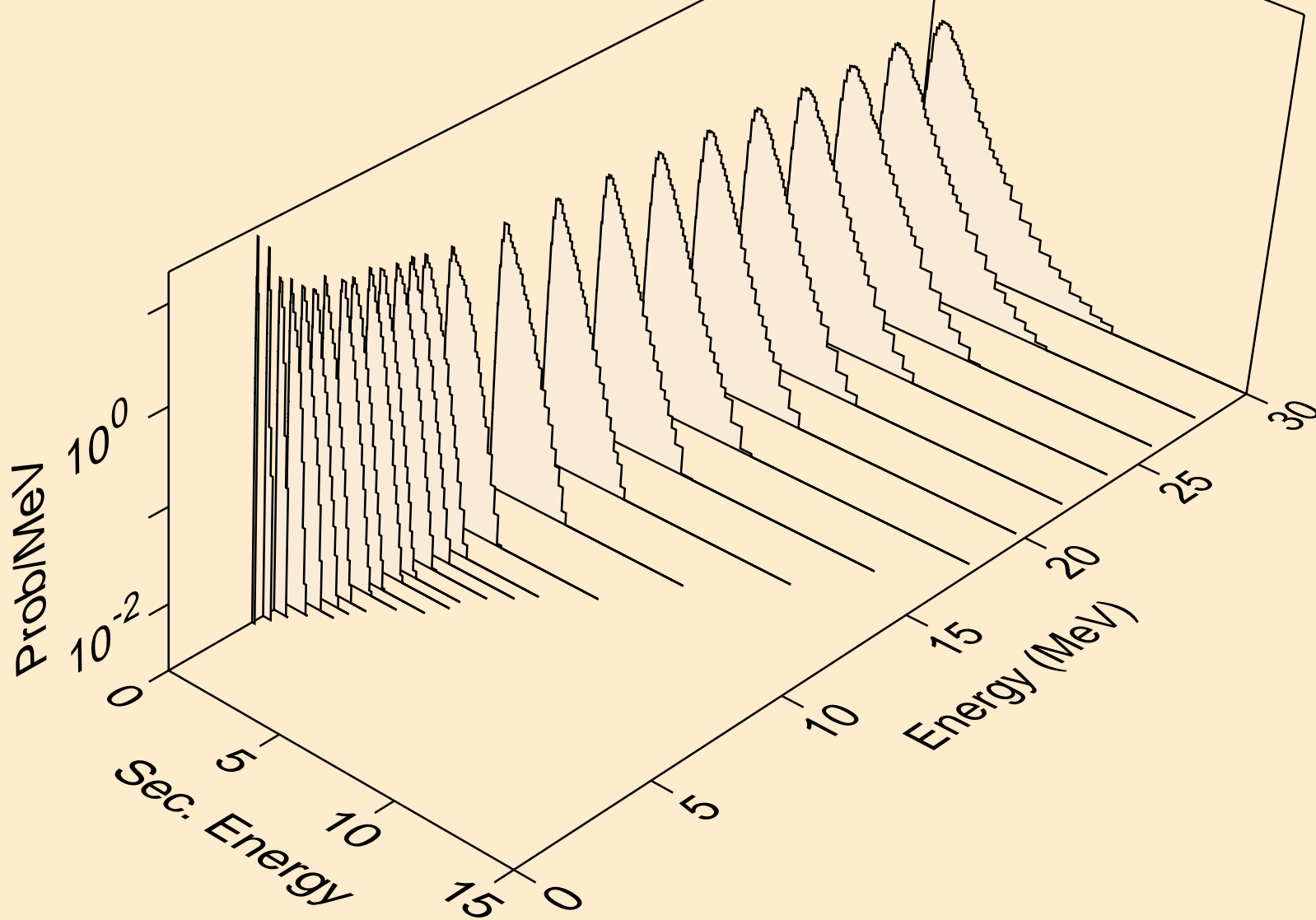
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Neutron emission for (n,2n)



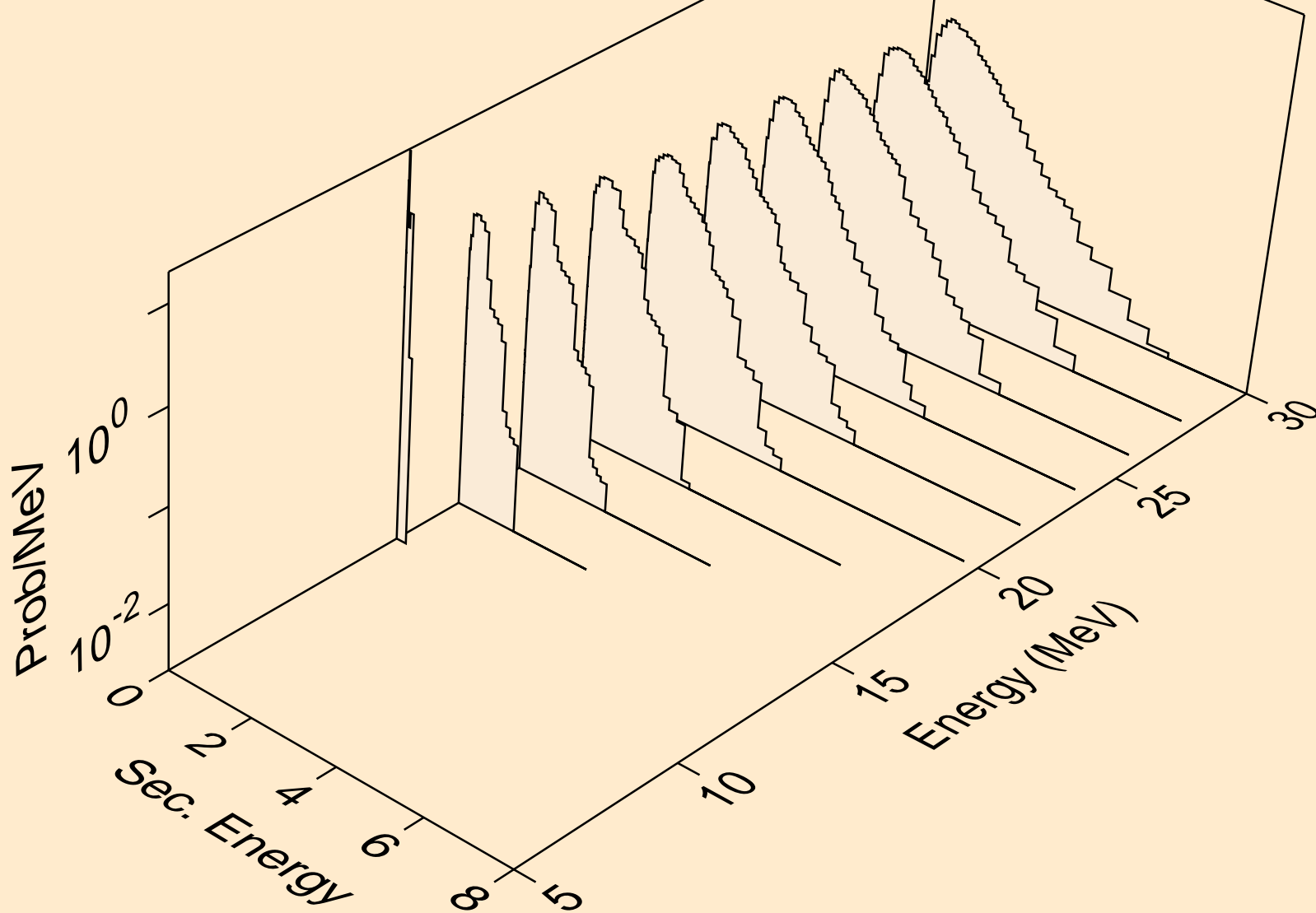
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Neutron emission for (n,3n)



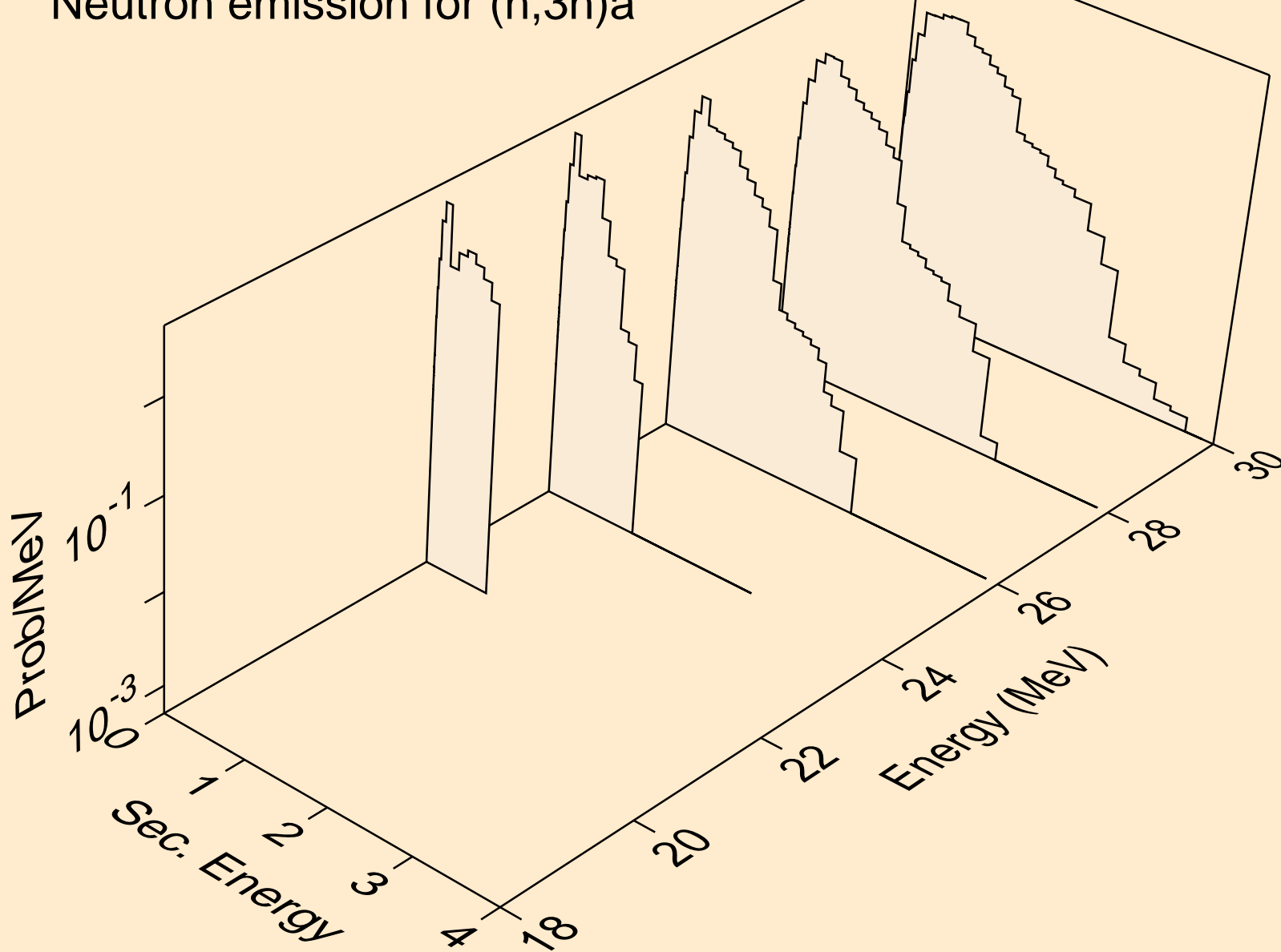
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Neutron emission for (n,n\*)a



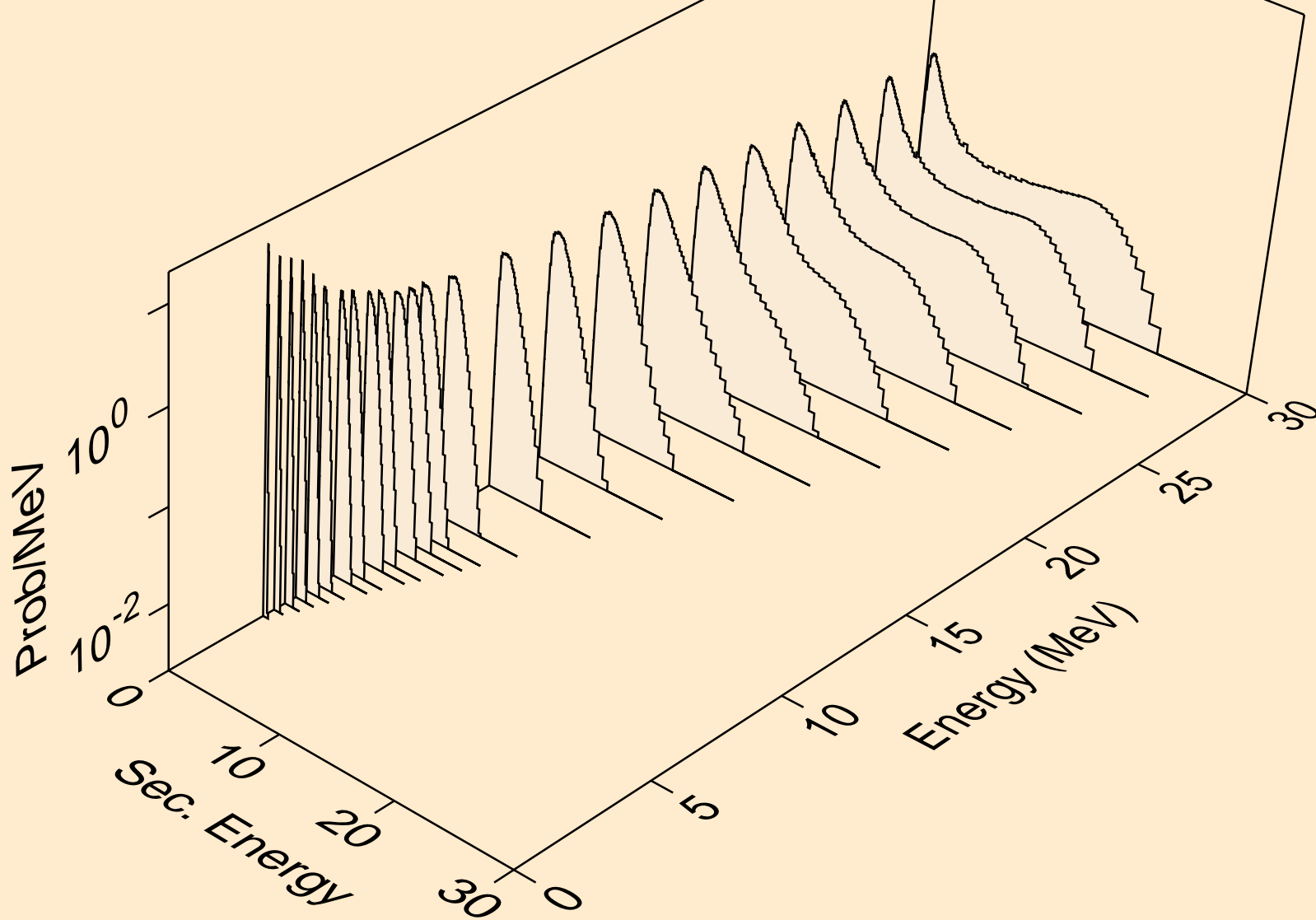
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Neutron emission for (n,2n)a



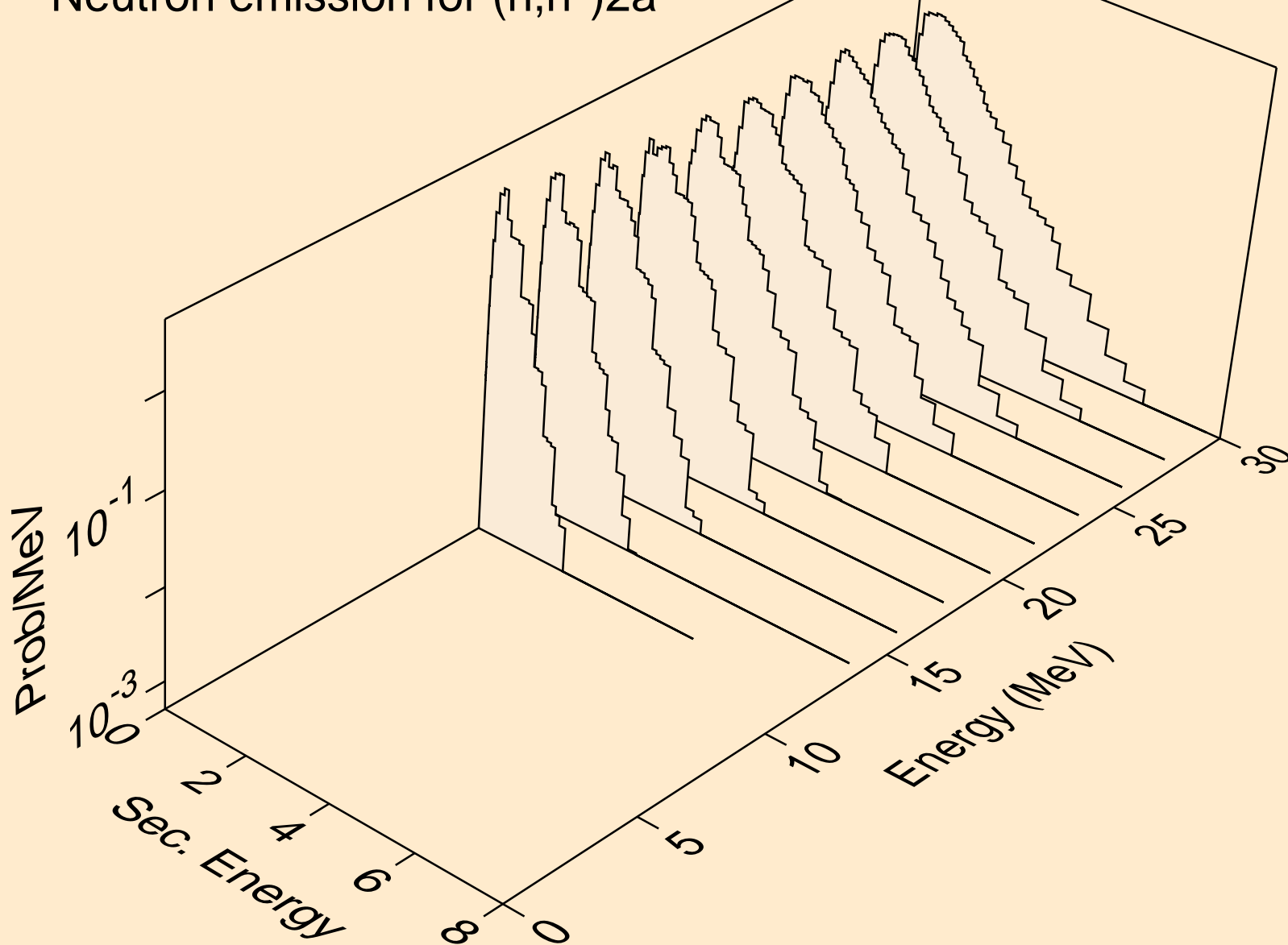
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Neutron emission for (n,3n)a



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

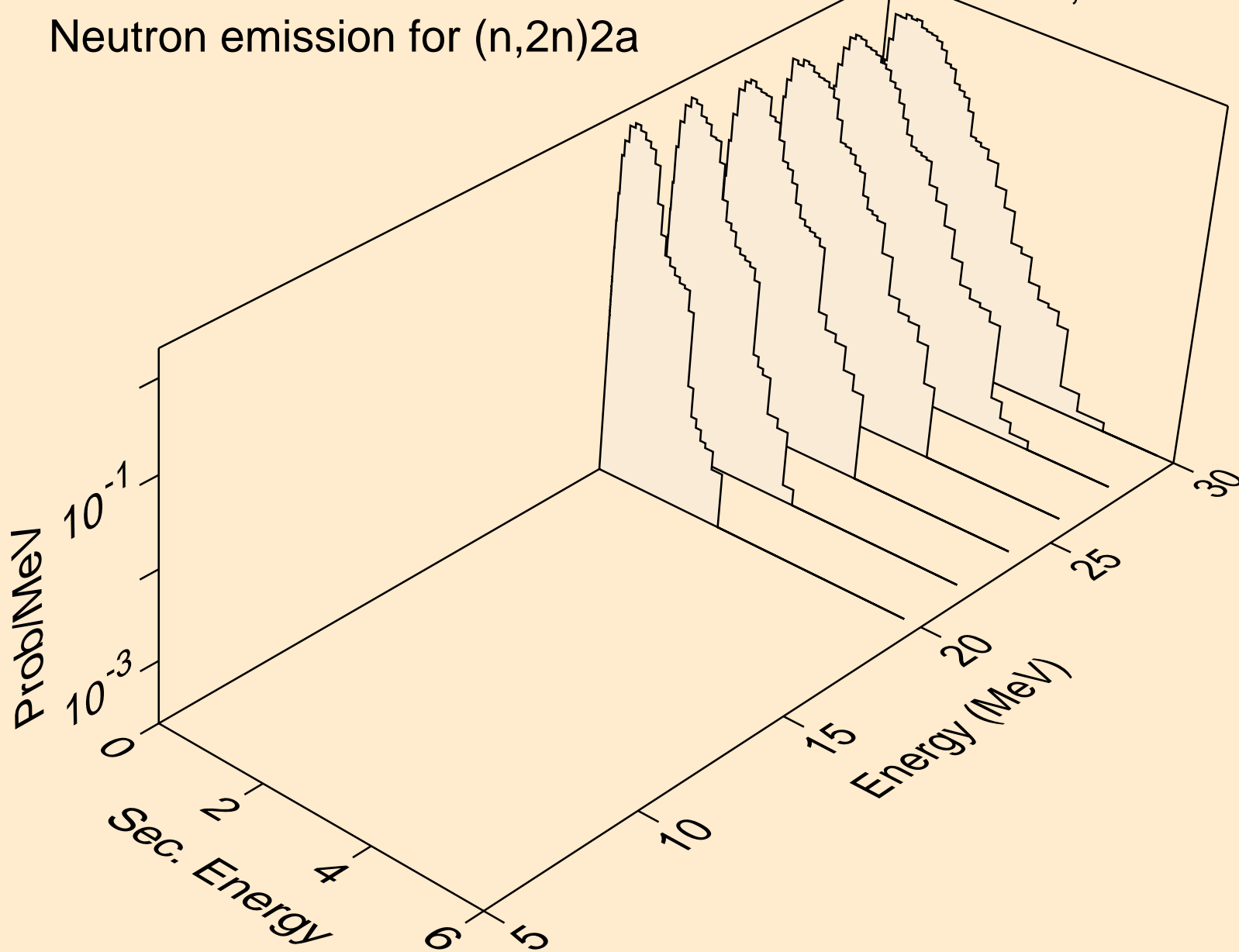


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Neutron emission for (n,n\*)2a

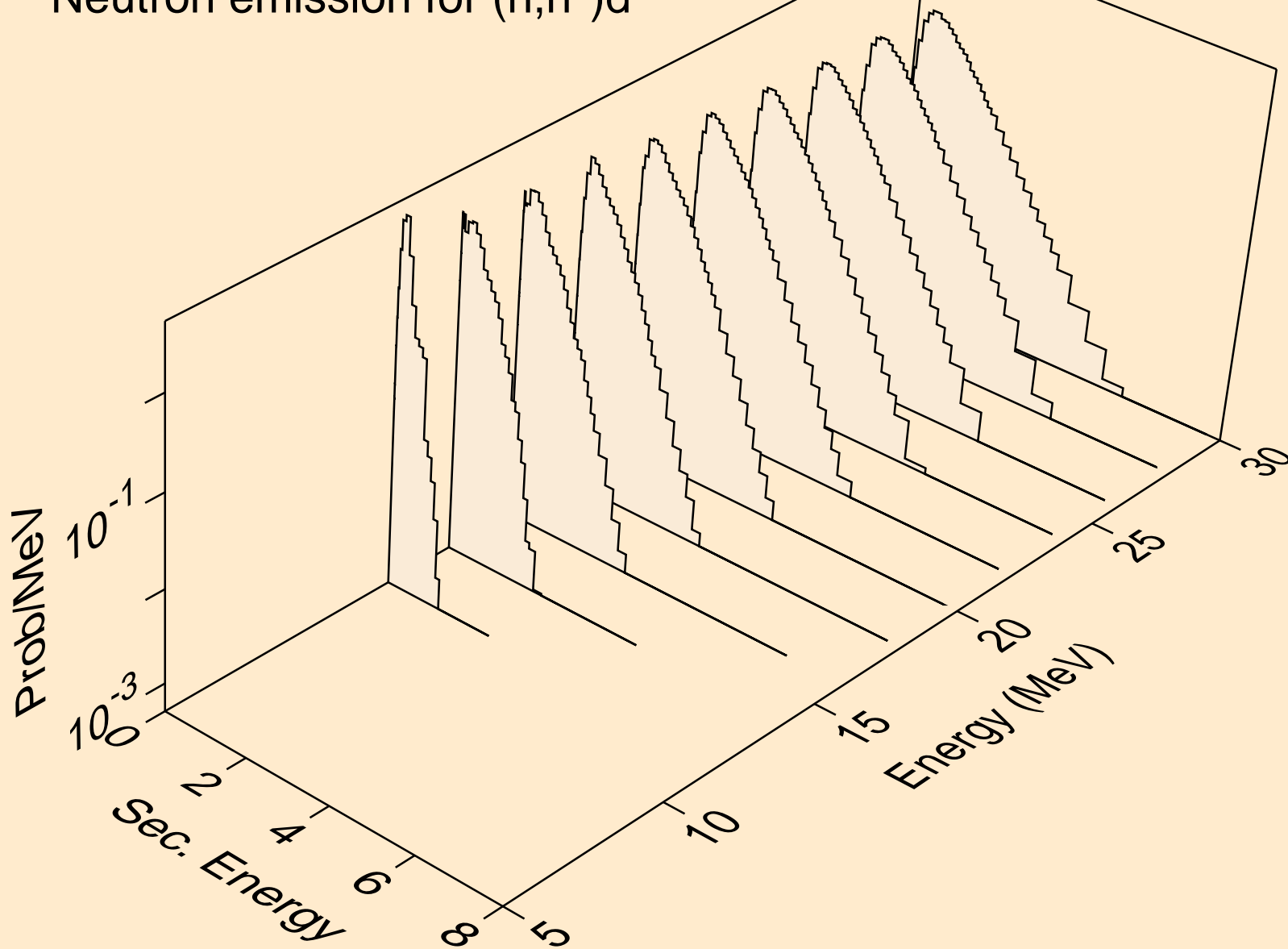




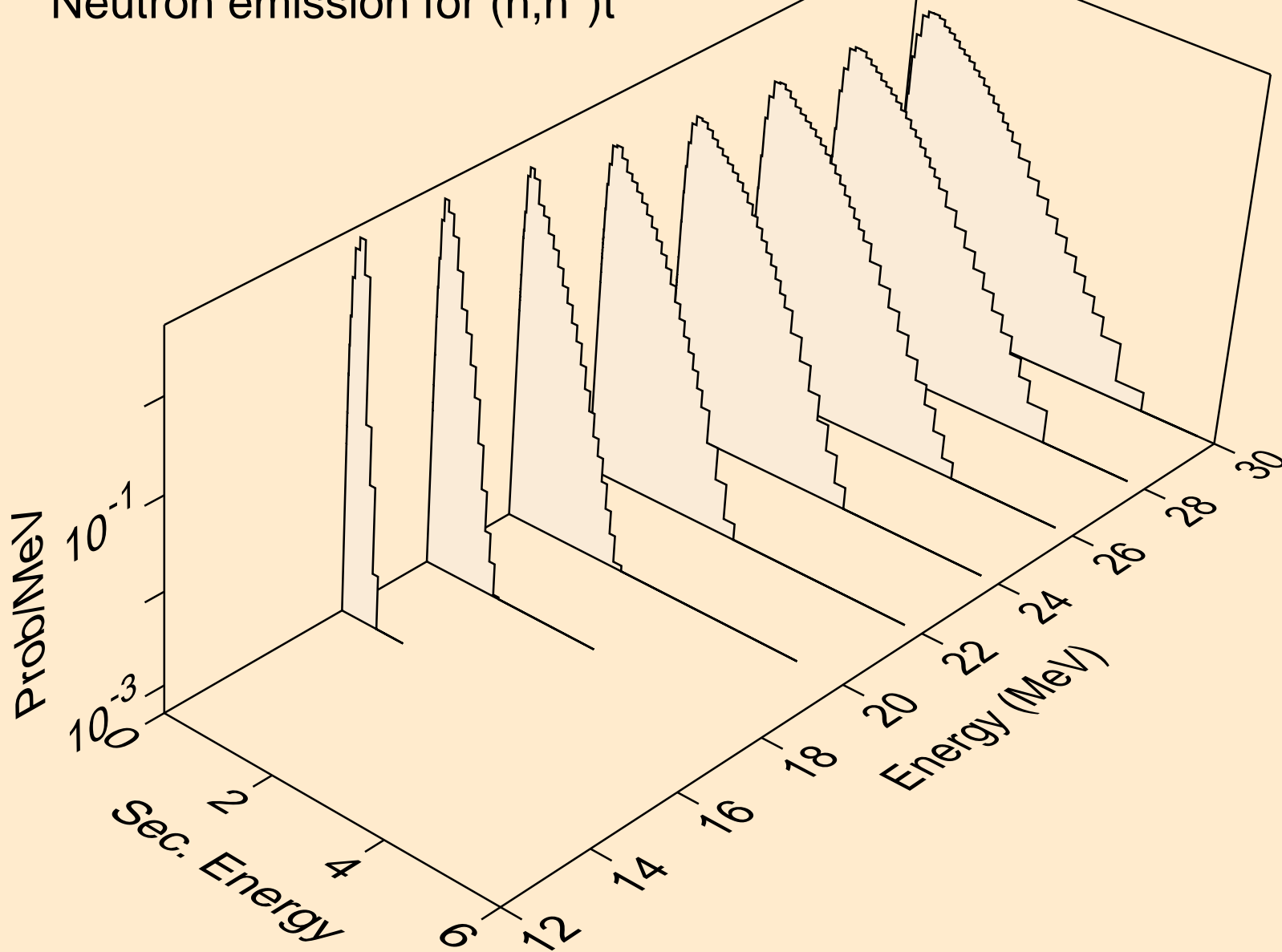
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Neutron emission for (n,2n)2a



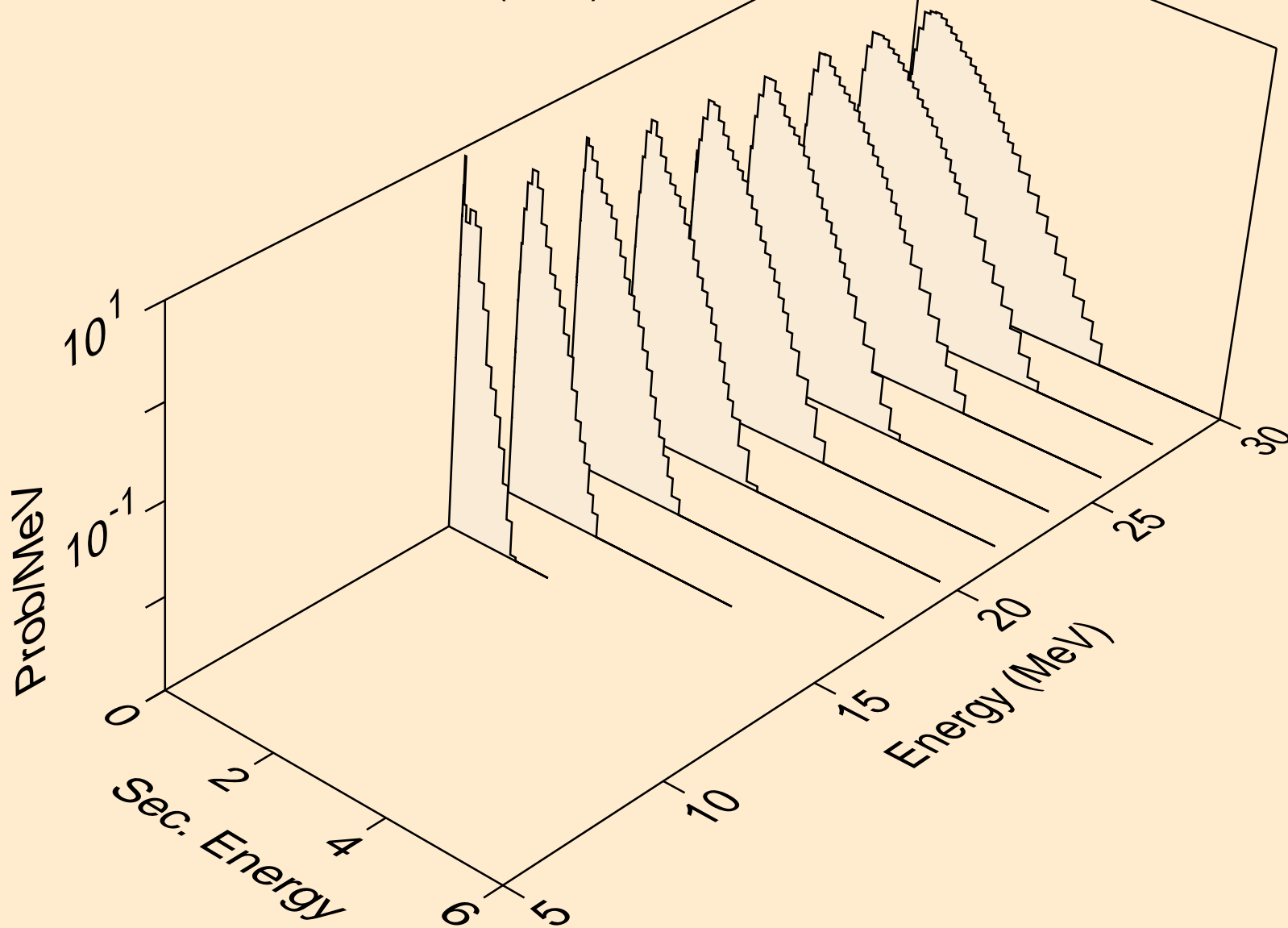
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Neutron emission for (n,n\*)d



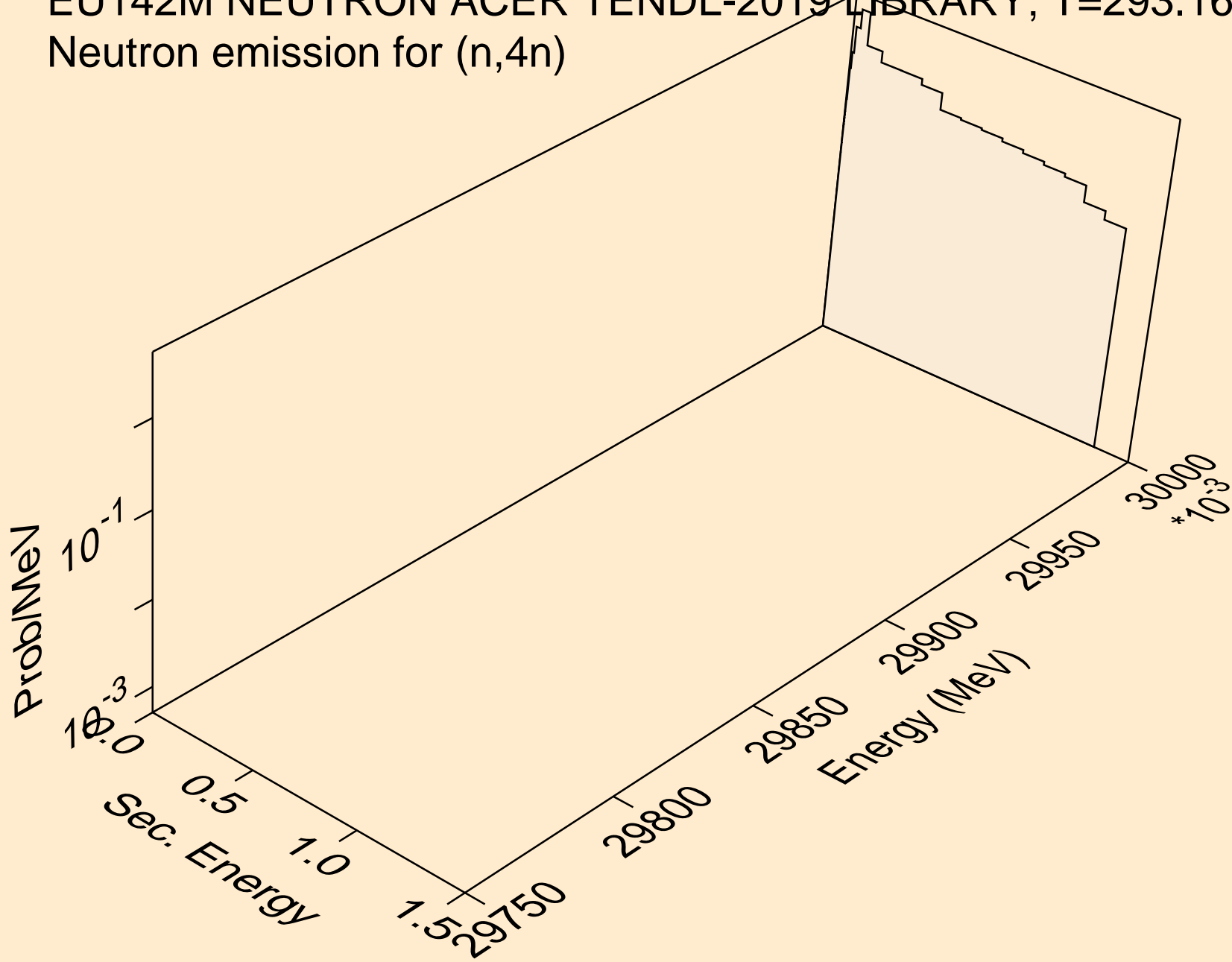
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Neutron emission for (n,n\*)t



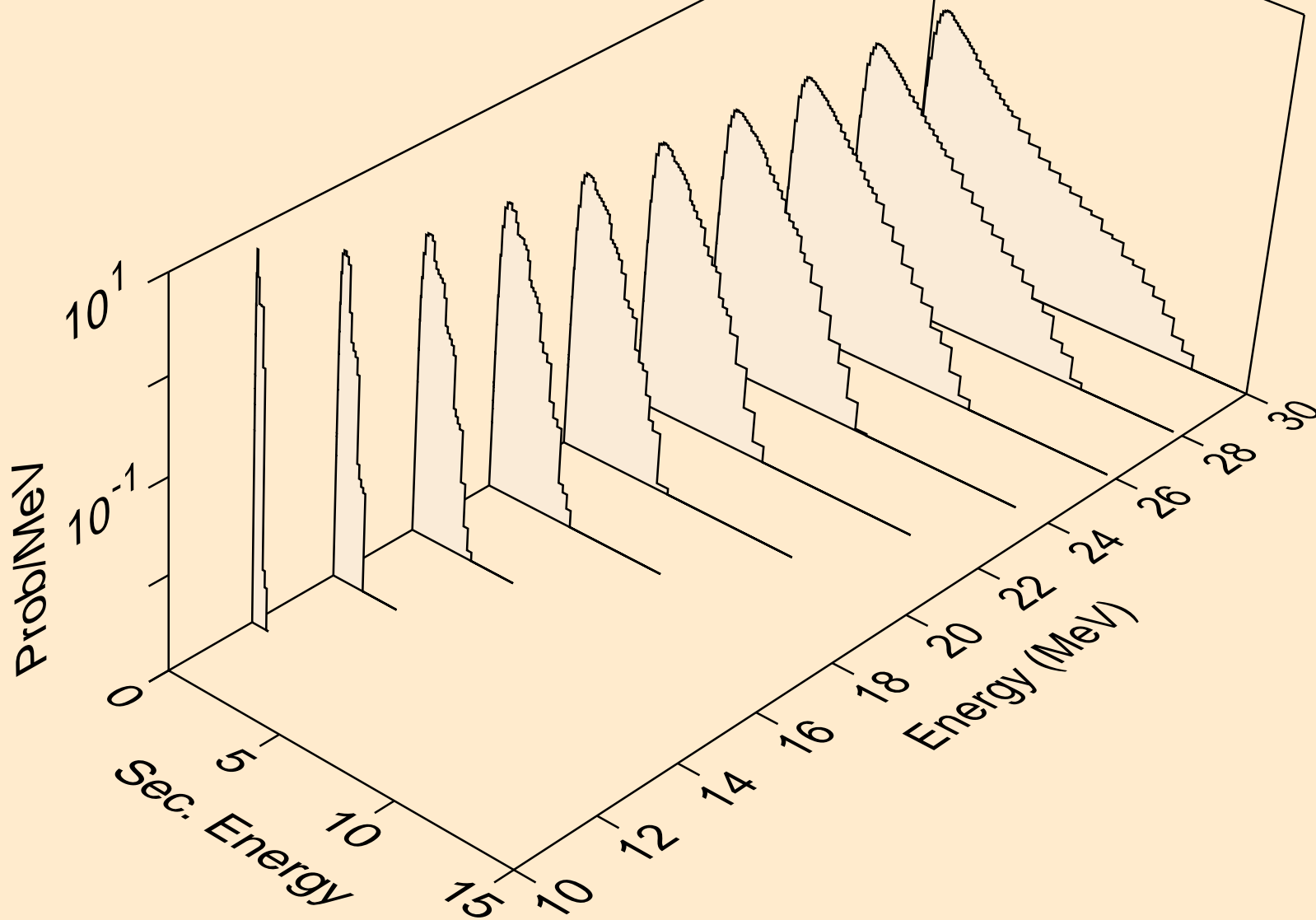
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Neutron emission for (n,n\*)he3



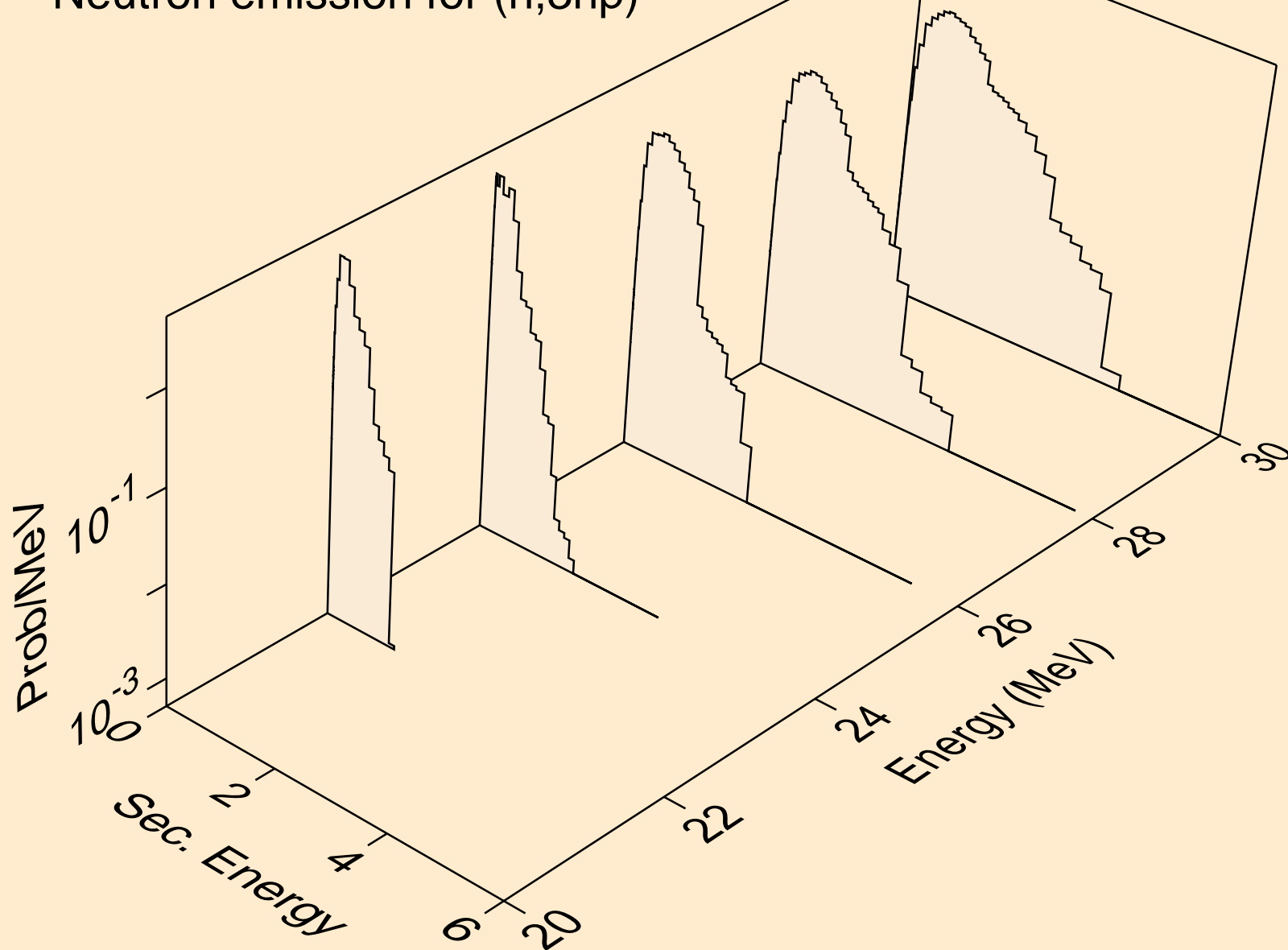
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Neutron emission for (n,4n)



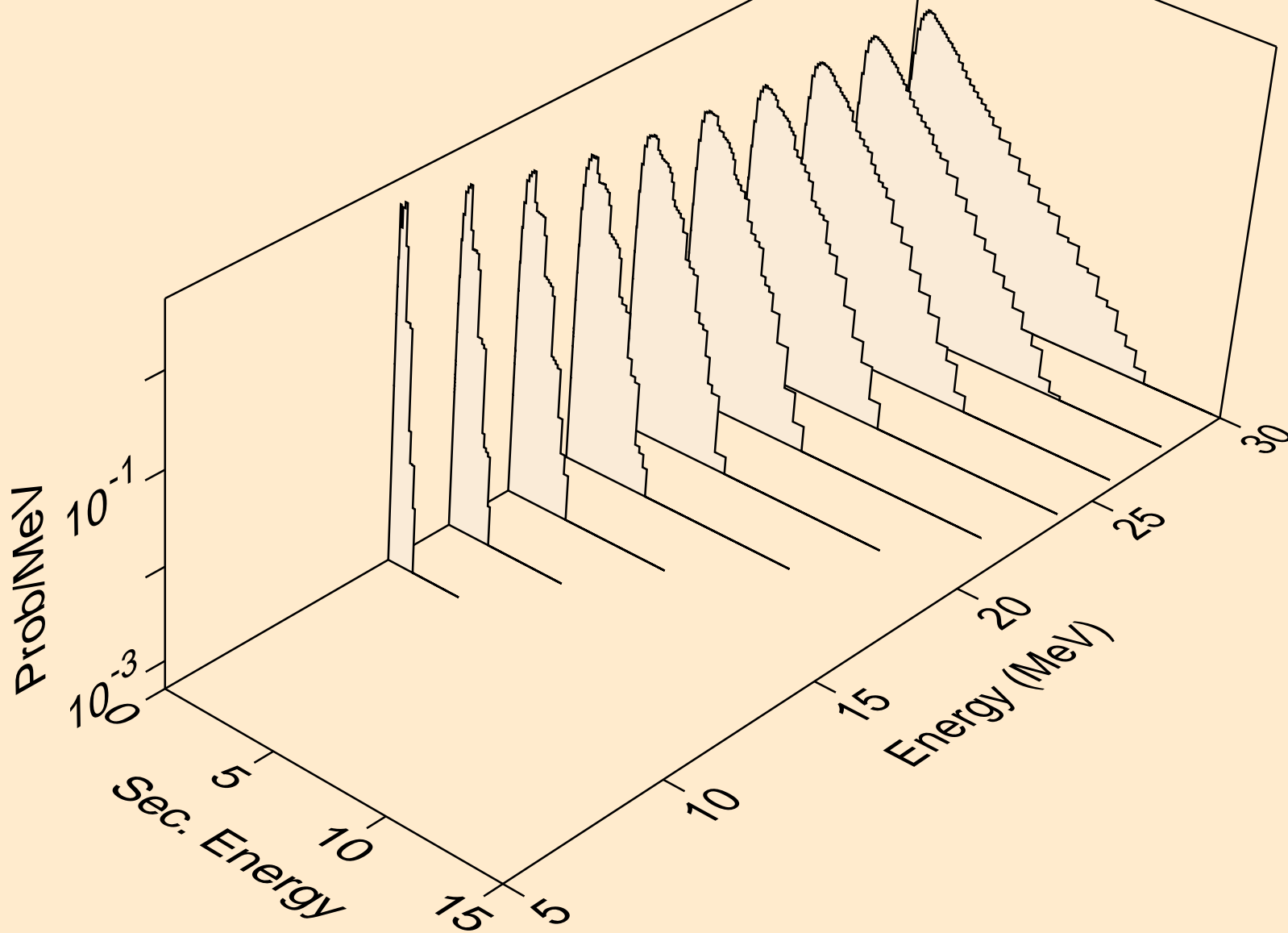
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

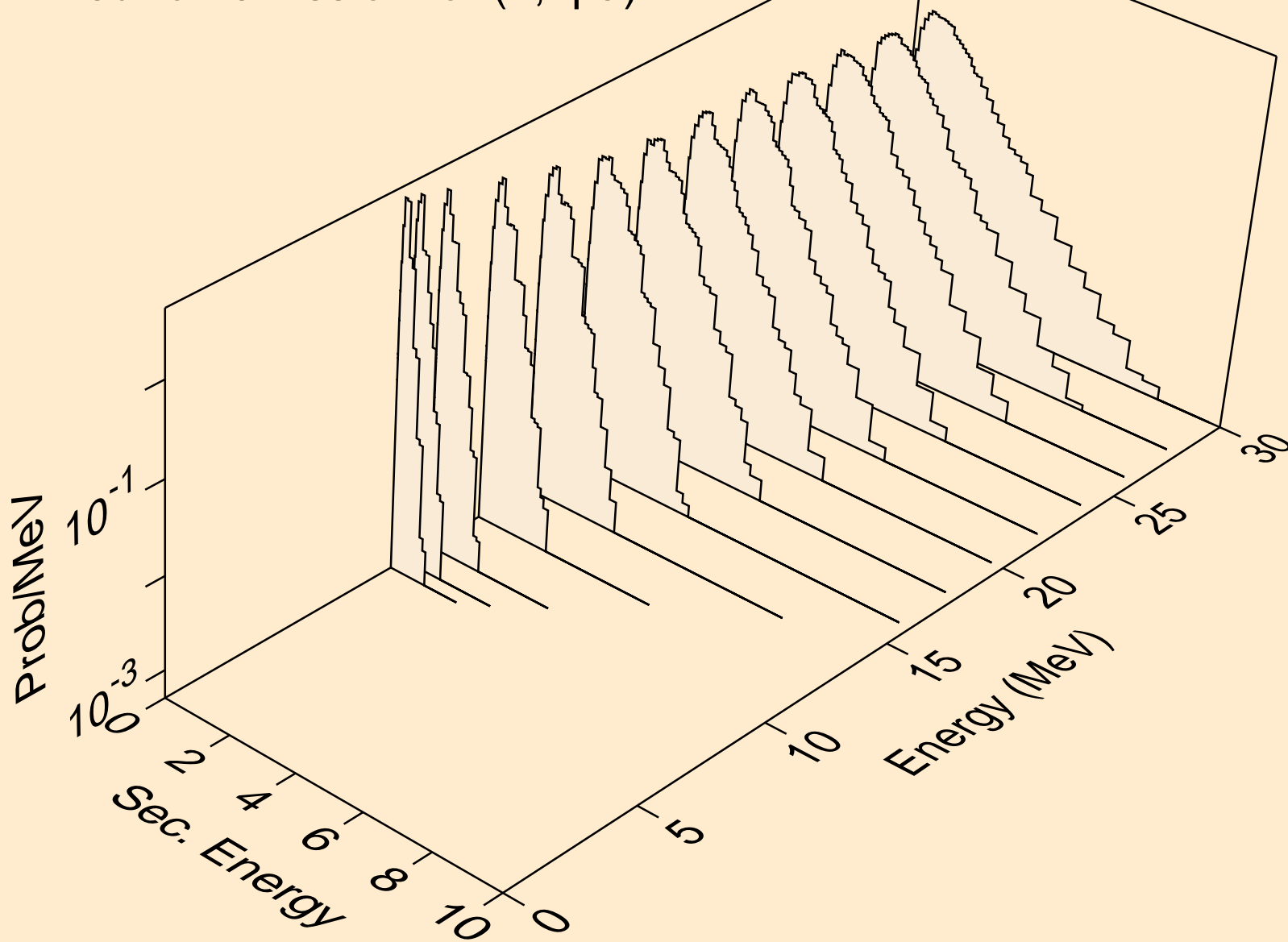


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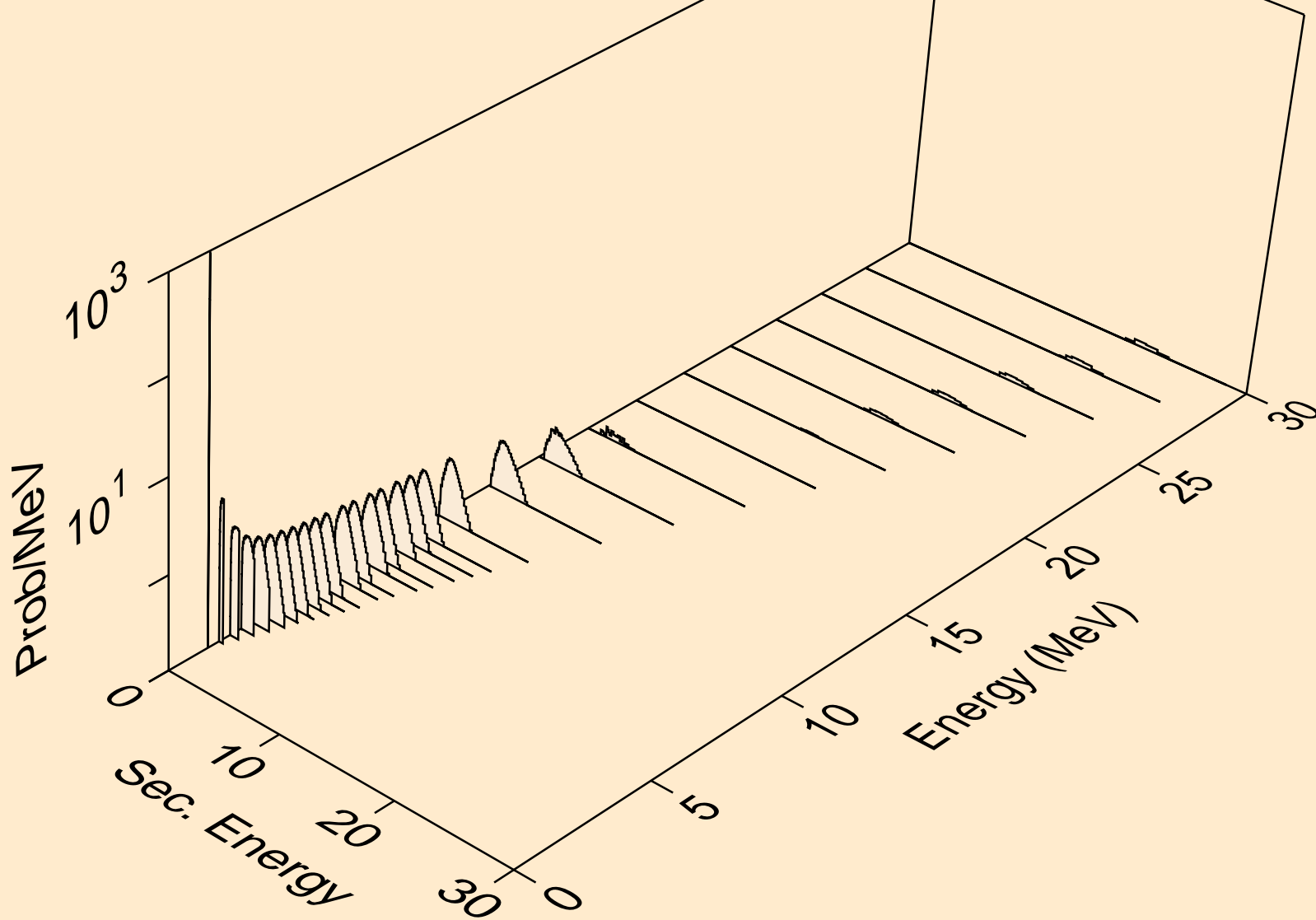




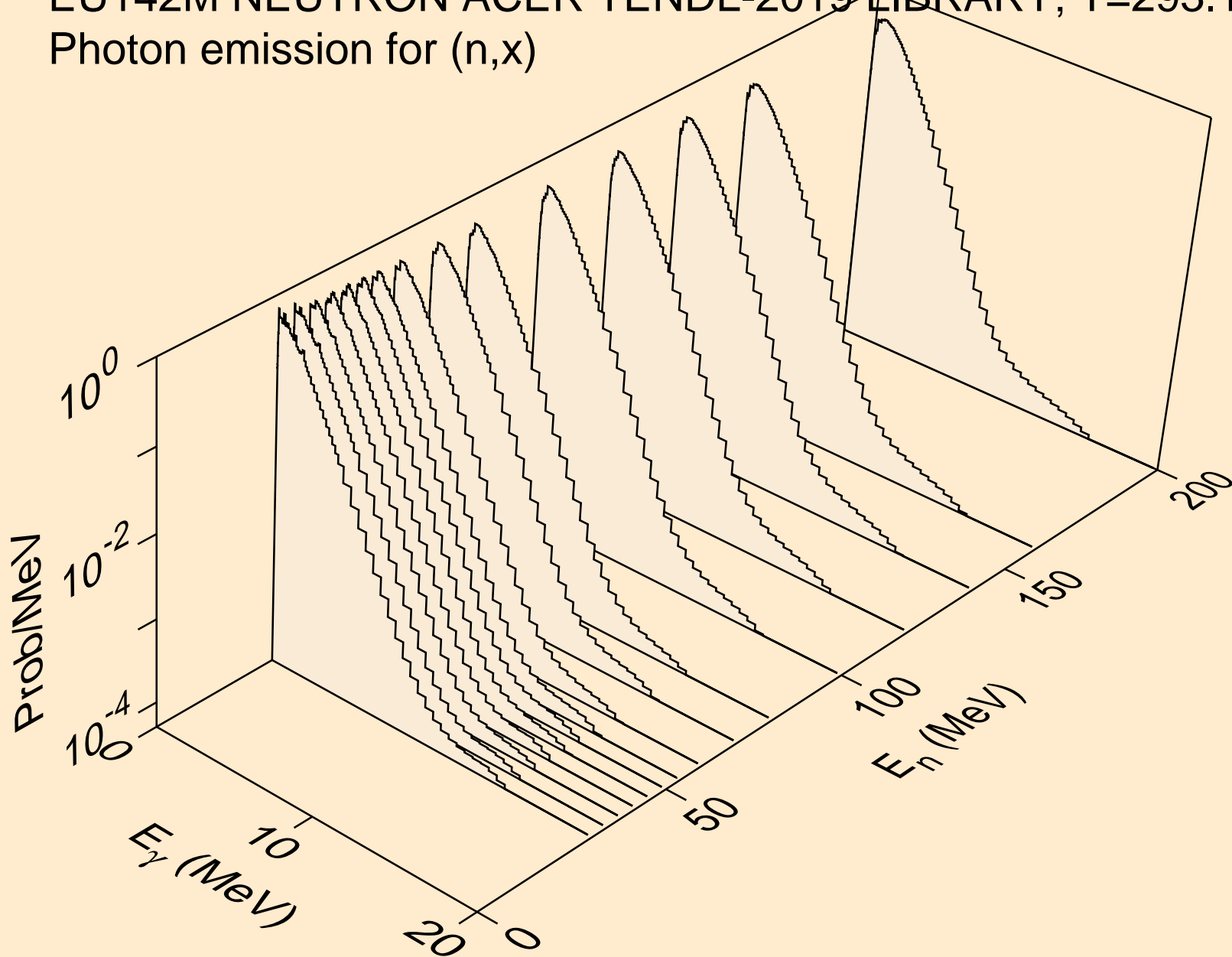
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Neutron emission for (n,npa)



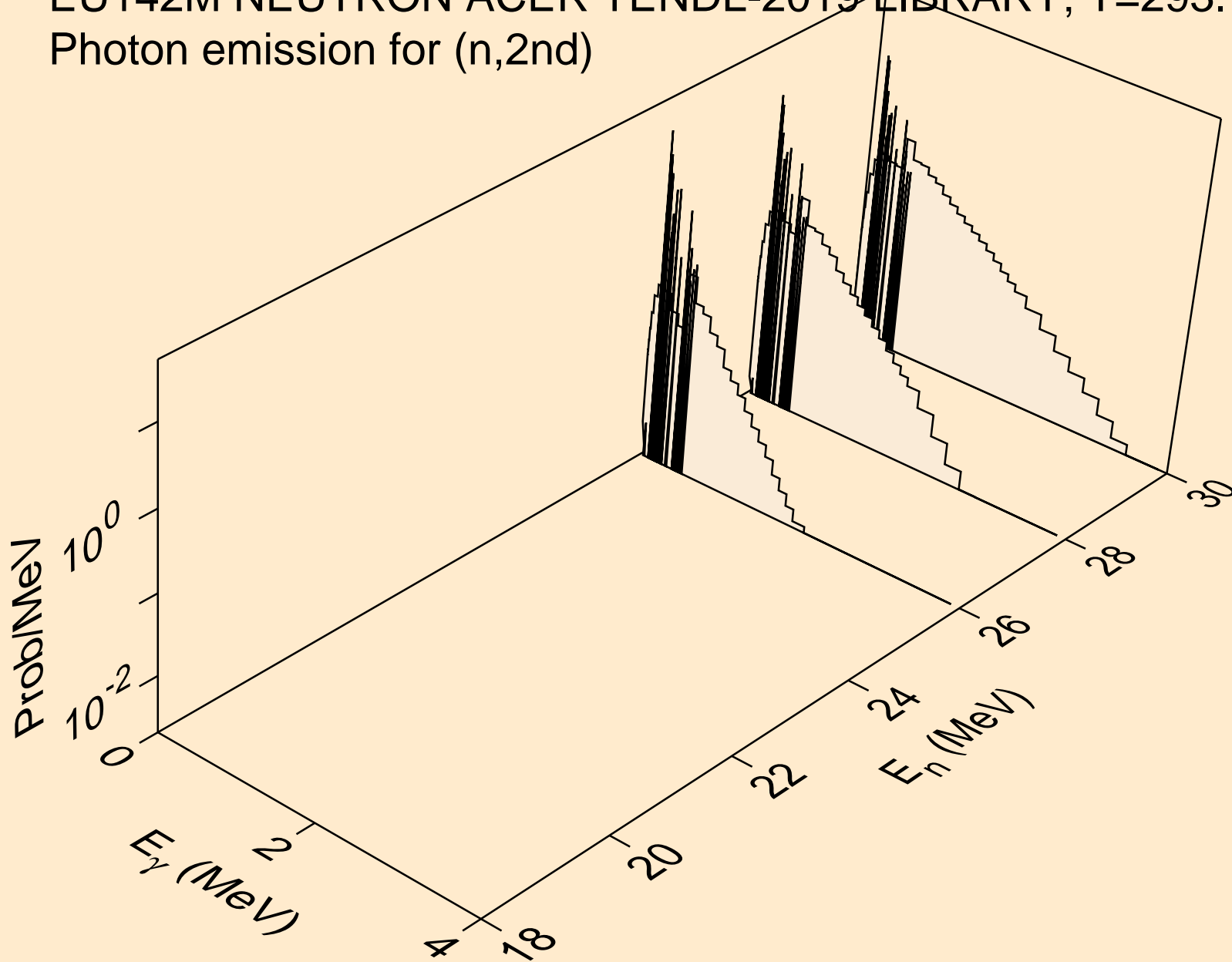
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Neutron emission for (n,n\*c)



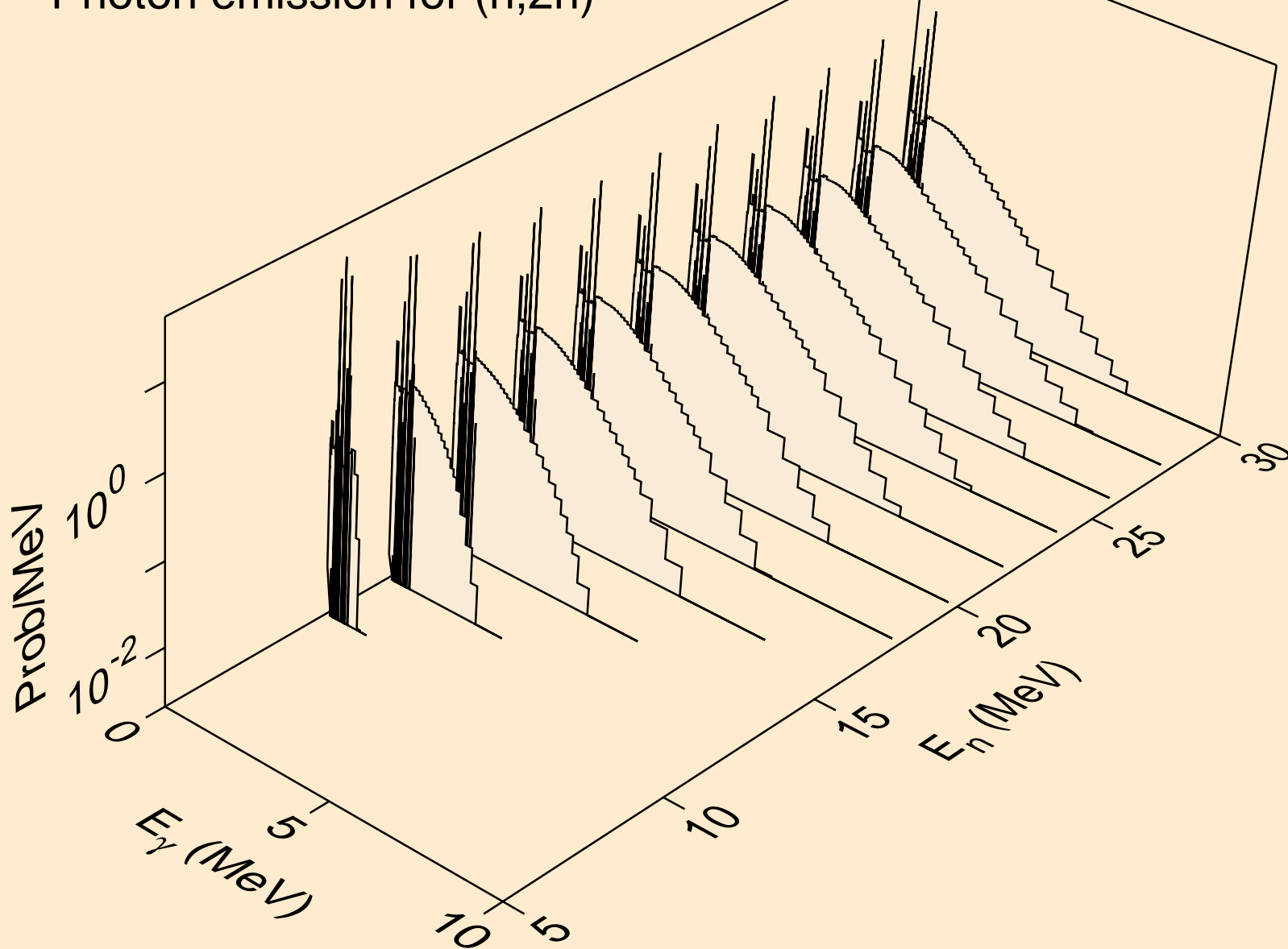
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Photon emission for (n,x)



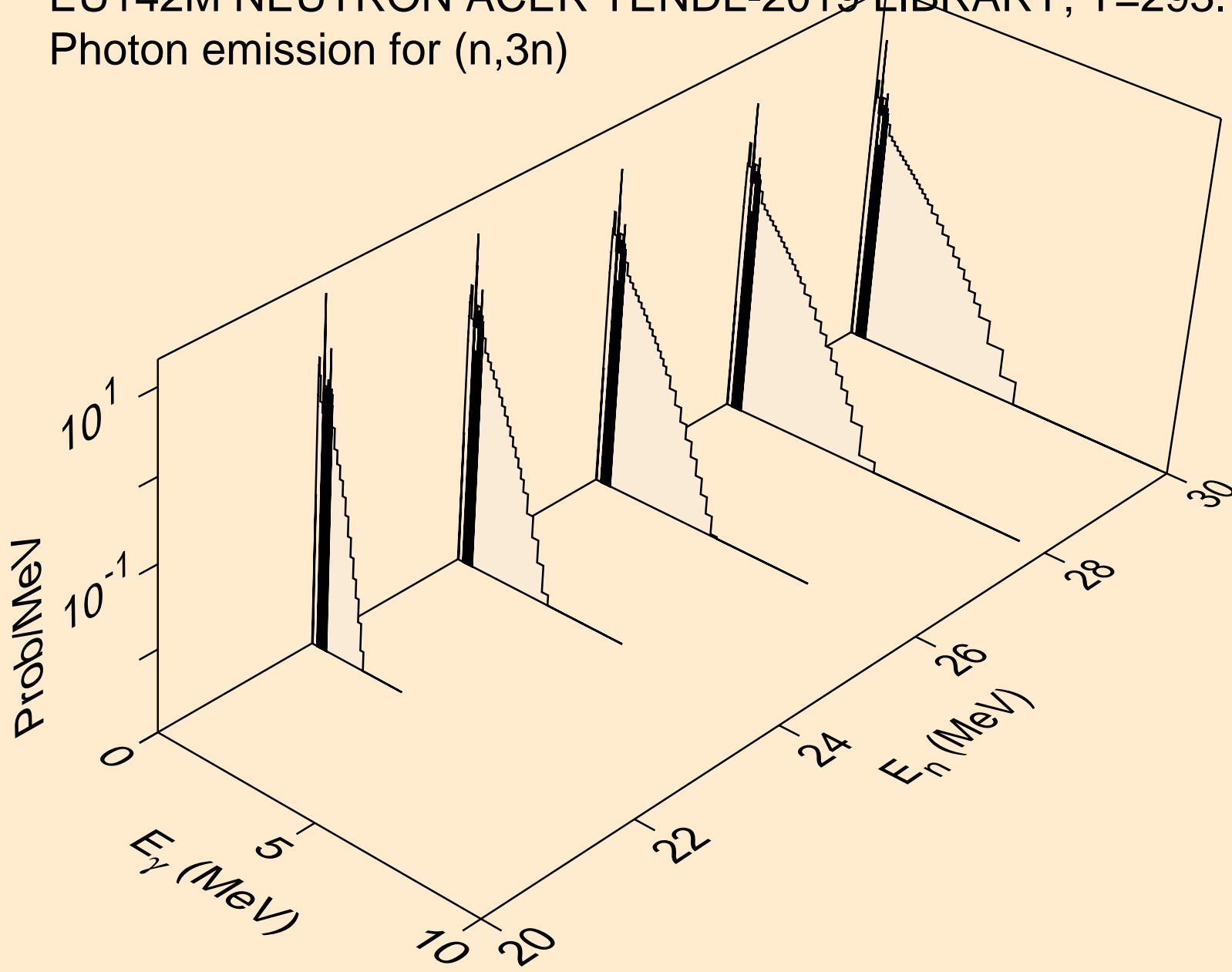
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Photon emission for (n,2nd)



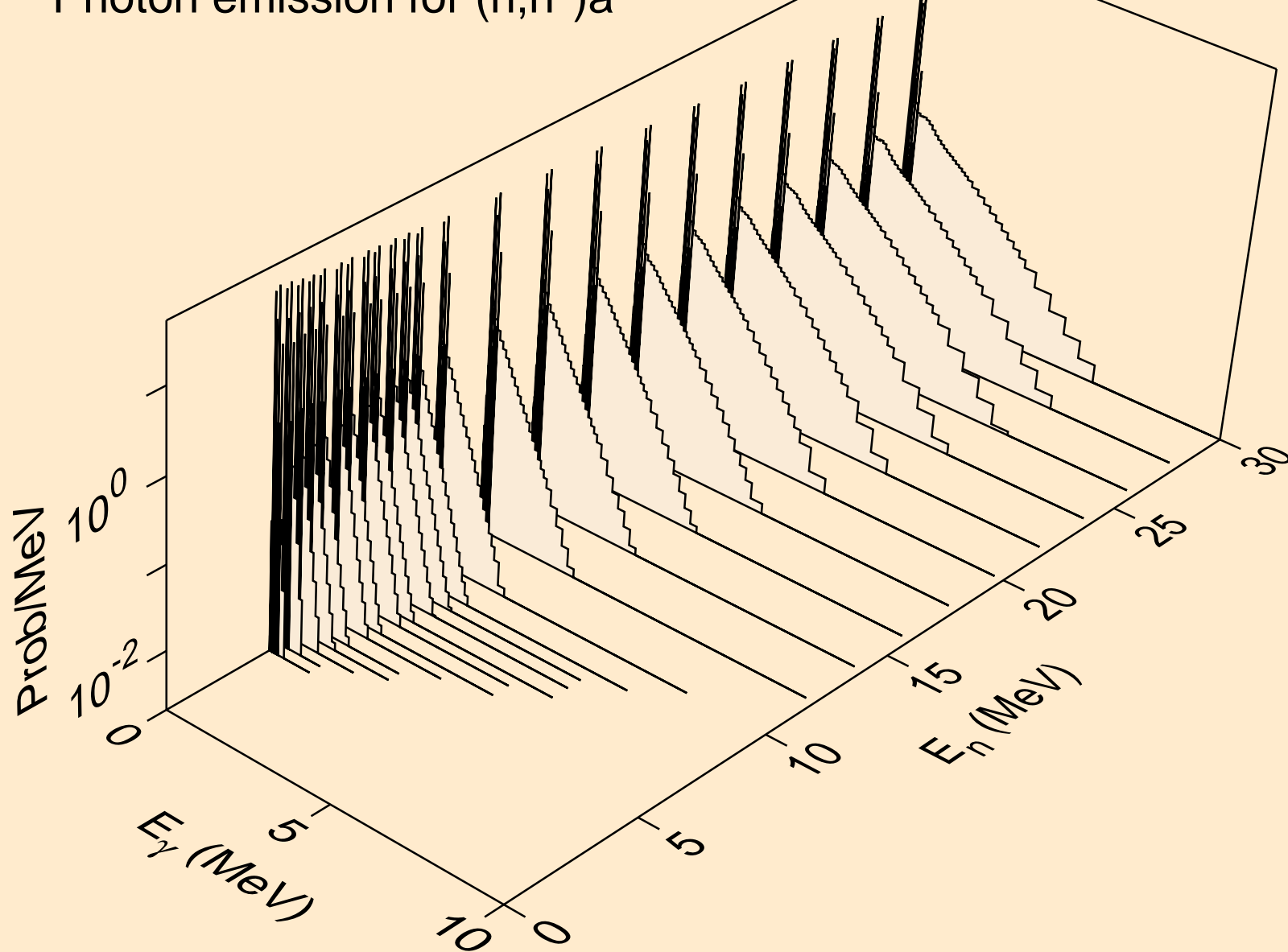
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Photon emission for (n,2n)



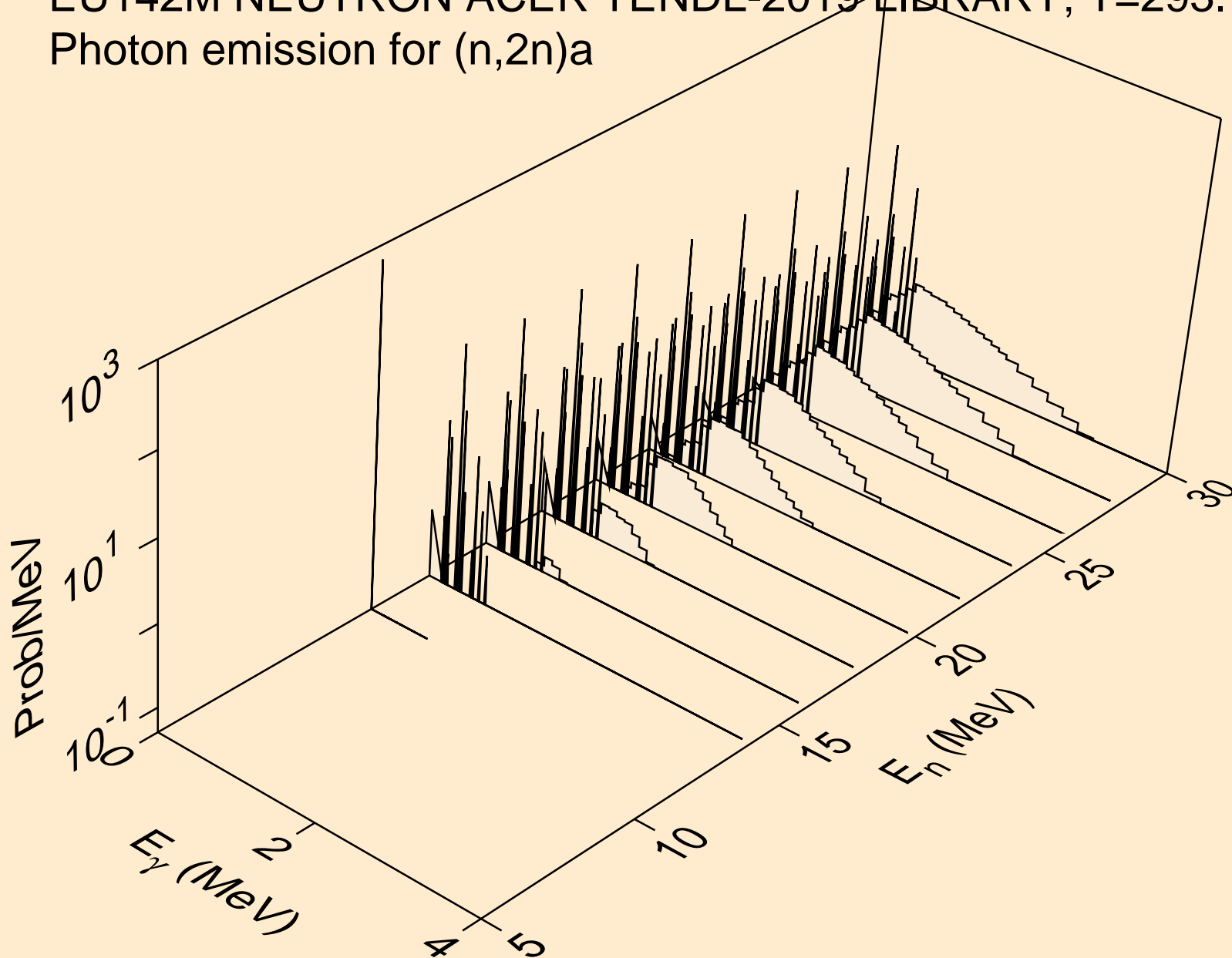
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

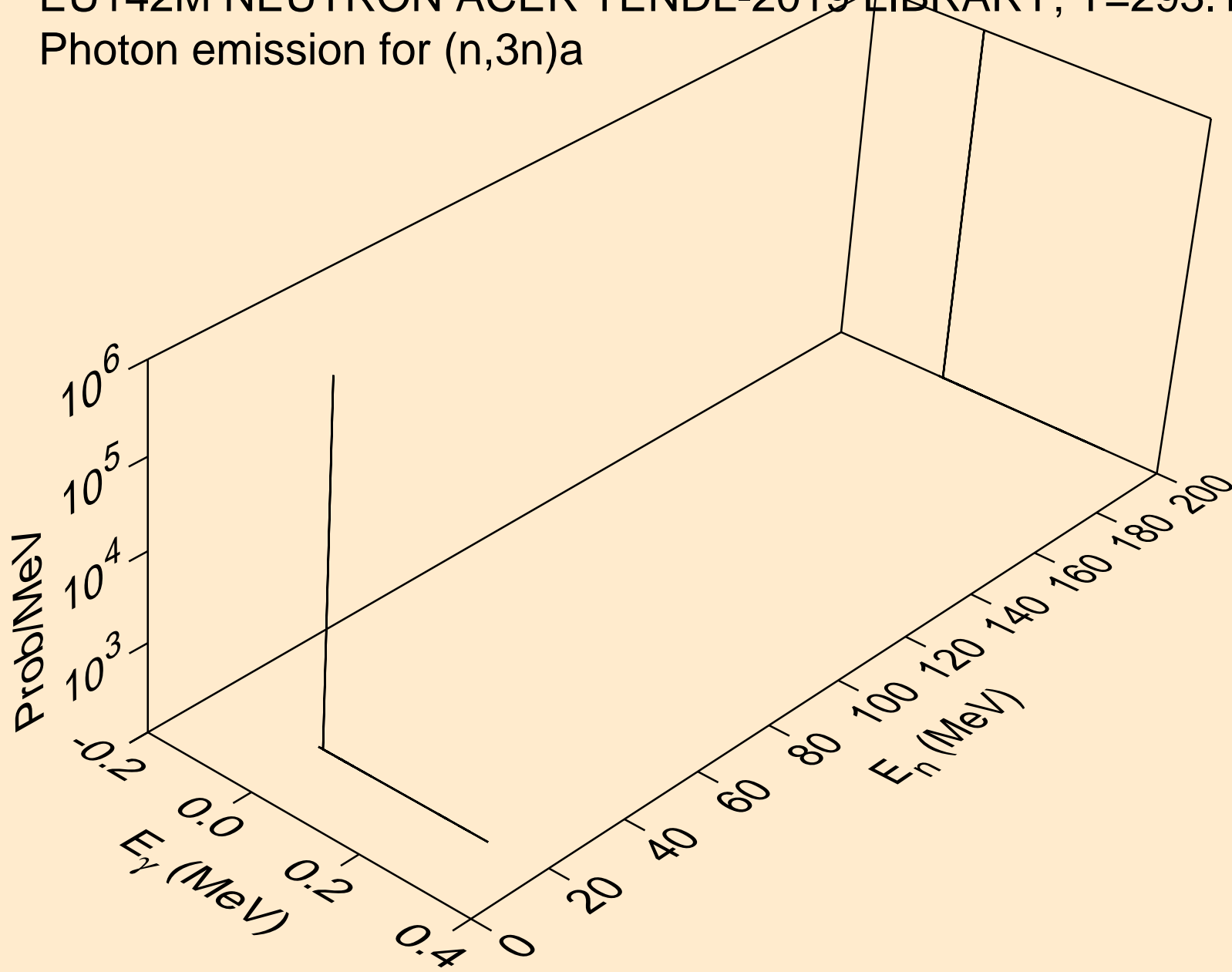


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Photon emission for (n,2n)a

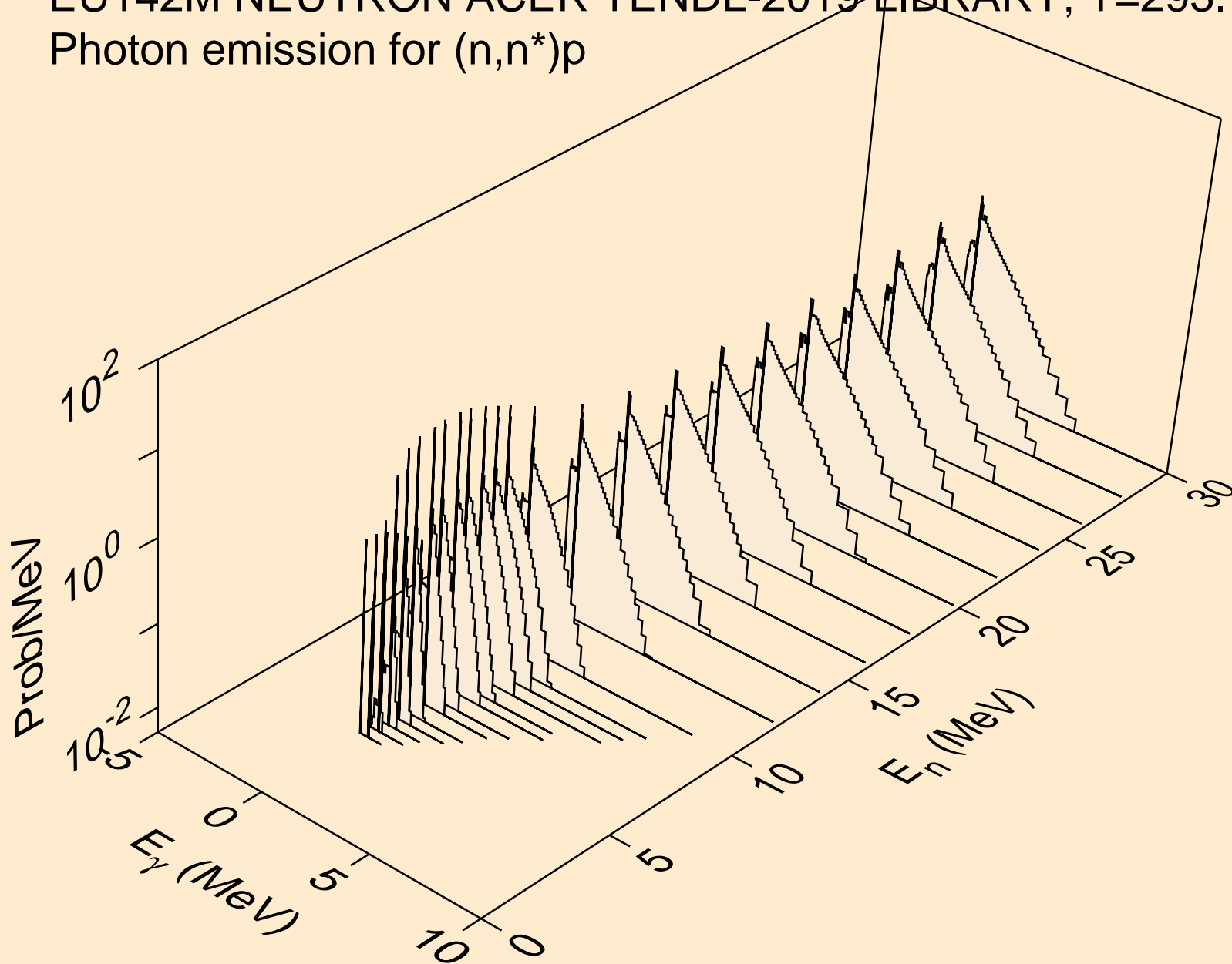




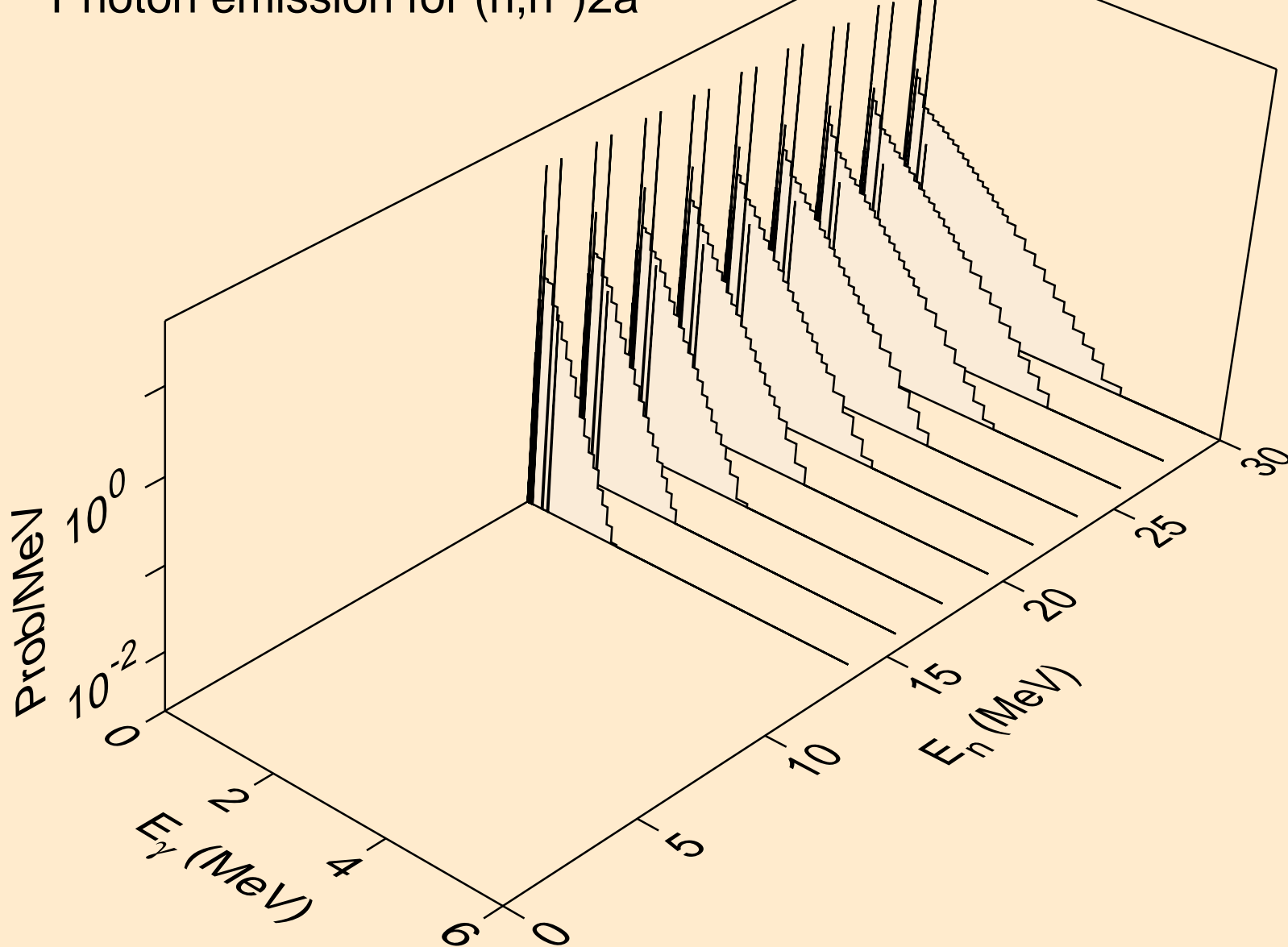
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Photon emission for (n,3n)a



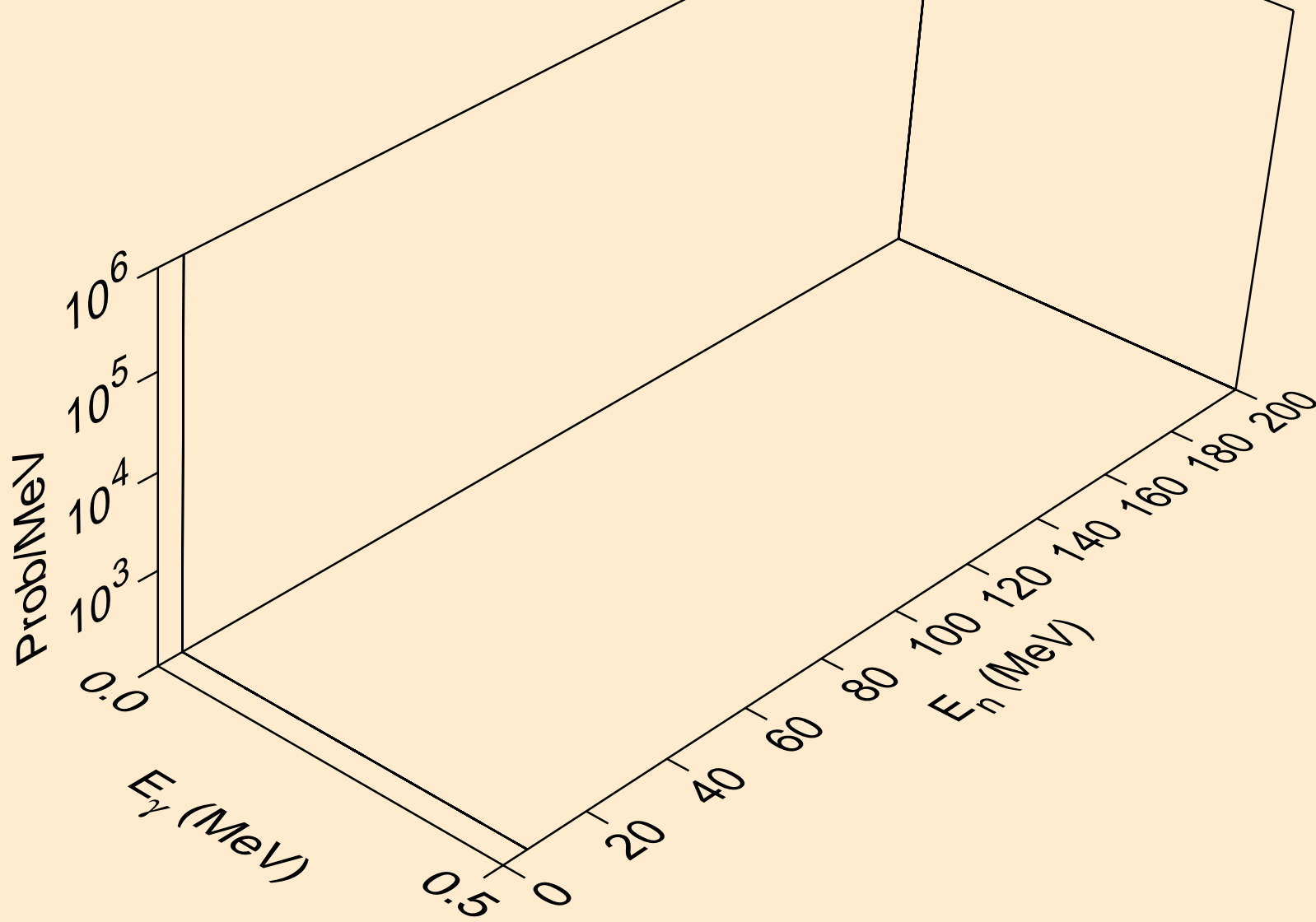
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Photon emission for (n,n\*)p



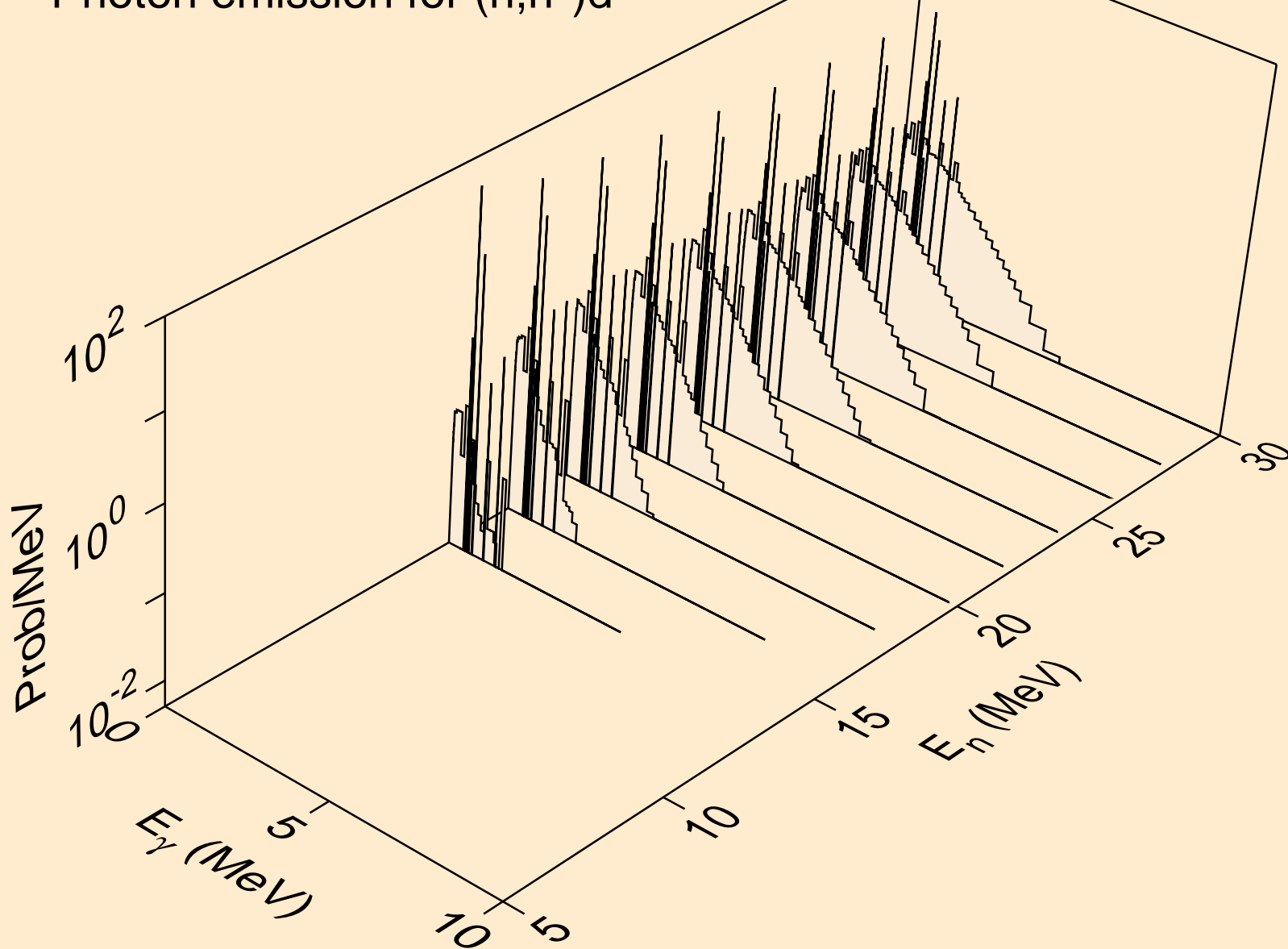
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Photon emission for (n,n\*)2a



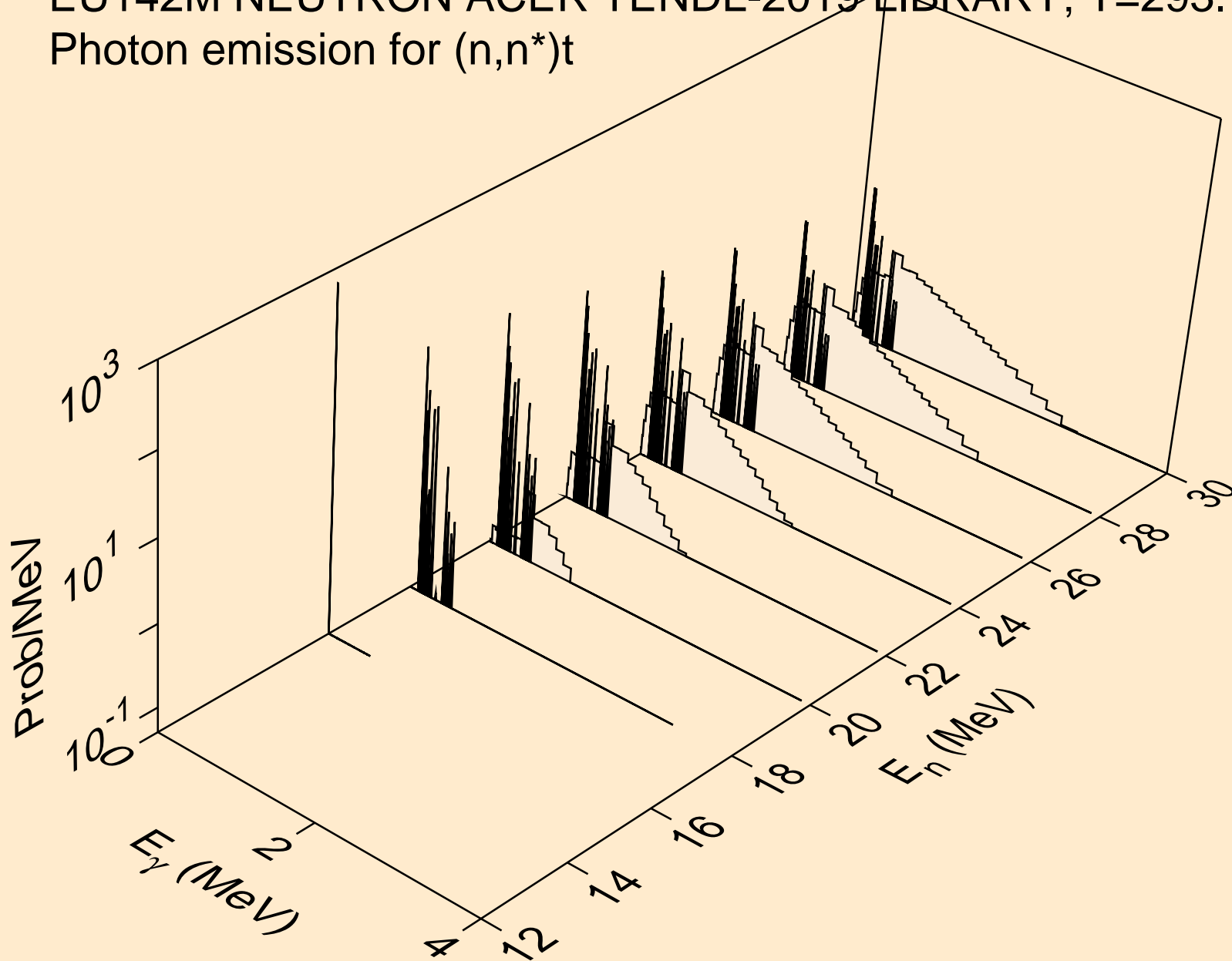
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Photon emission for (n,2n)2a



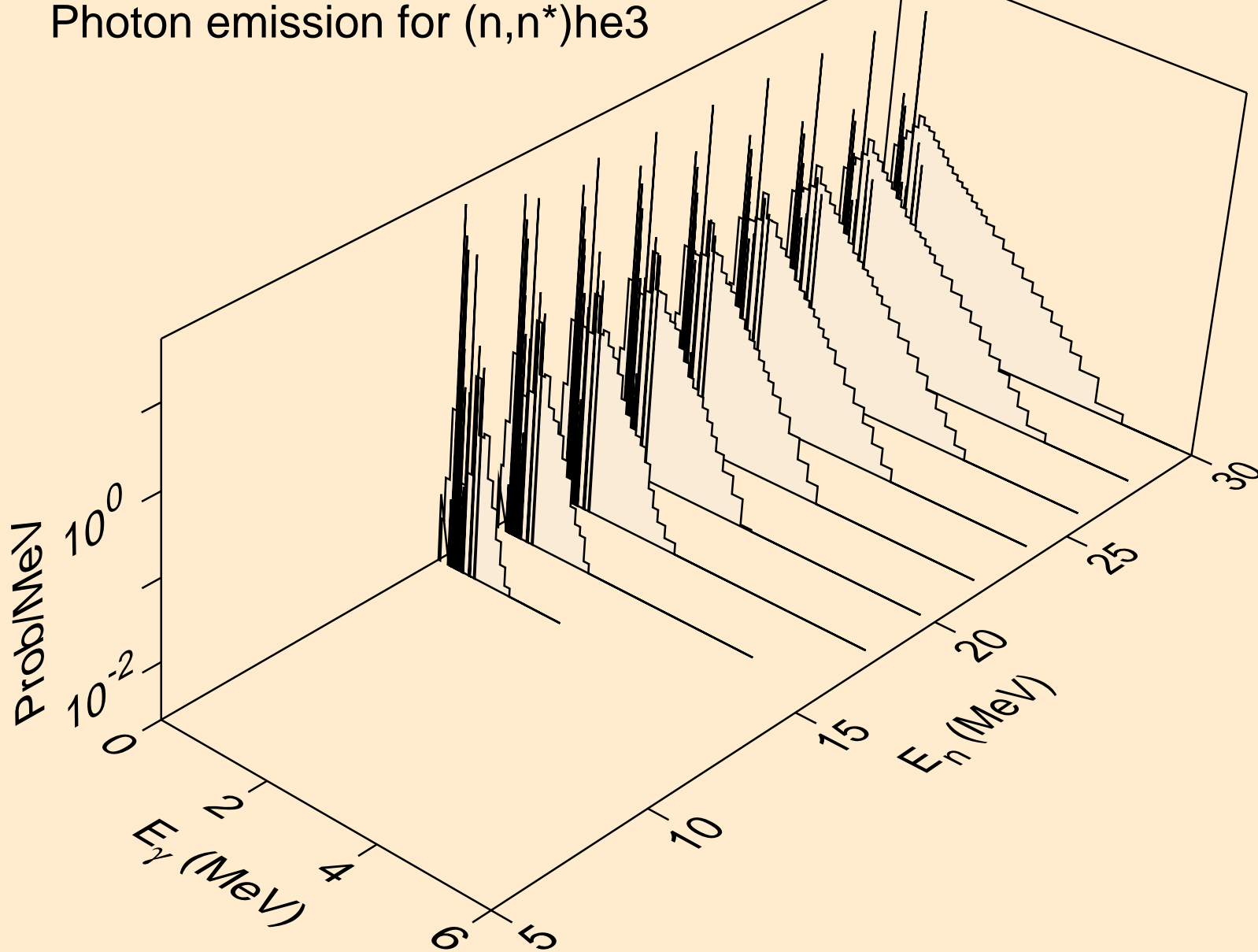
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Photon emission for (n,n\*)d



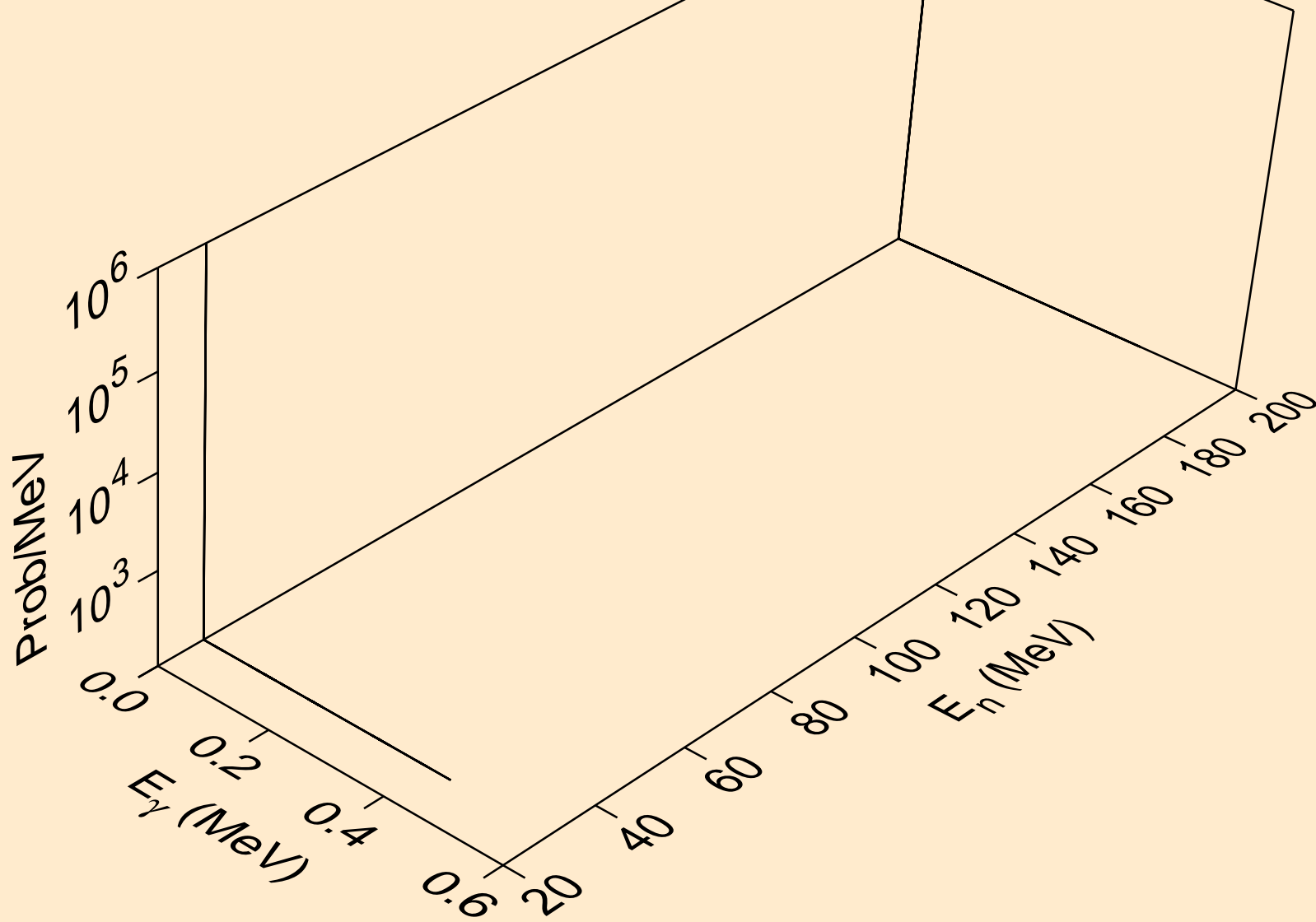
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

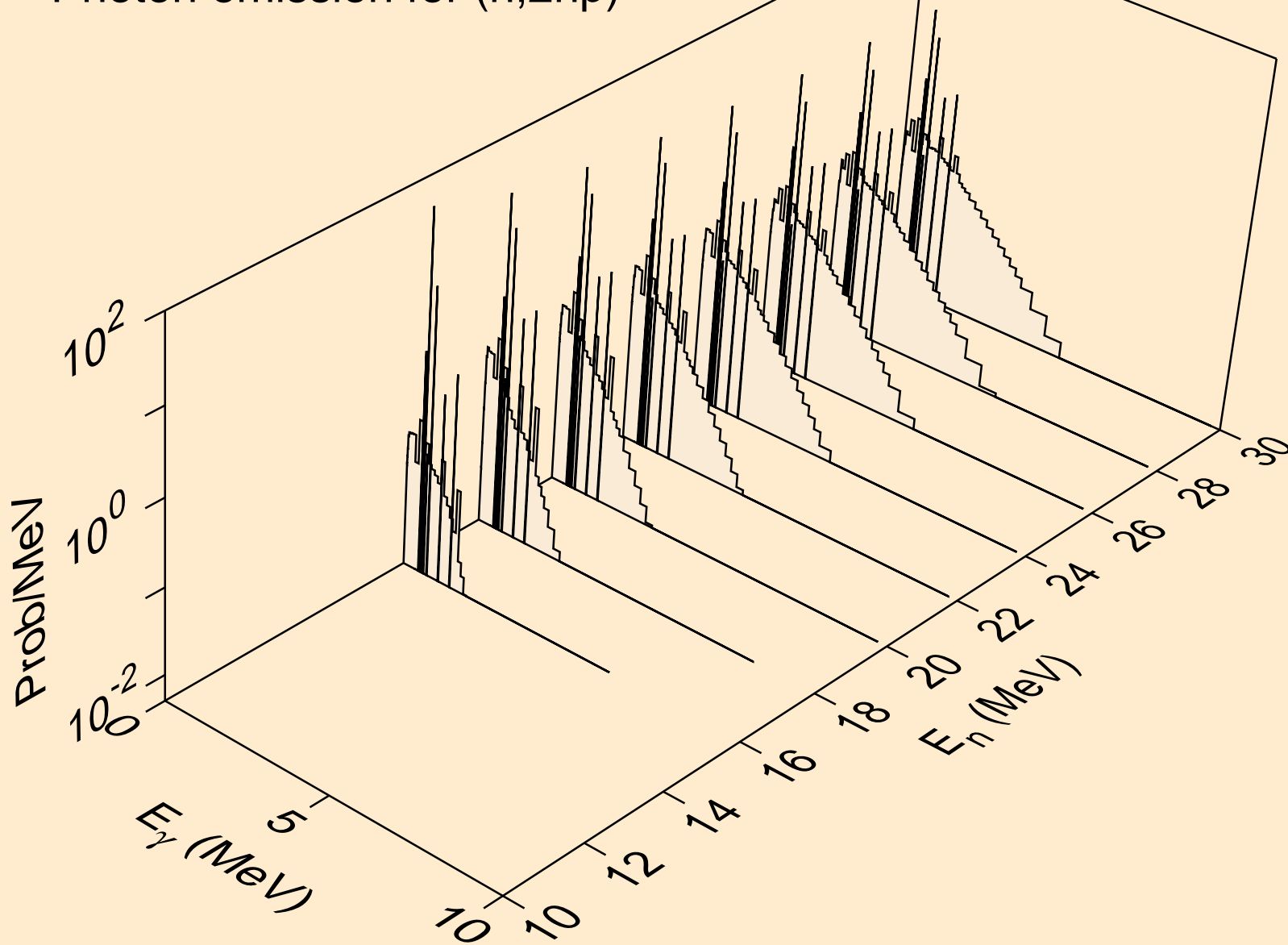


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Photon emission for (n,4n)

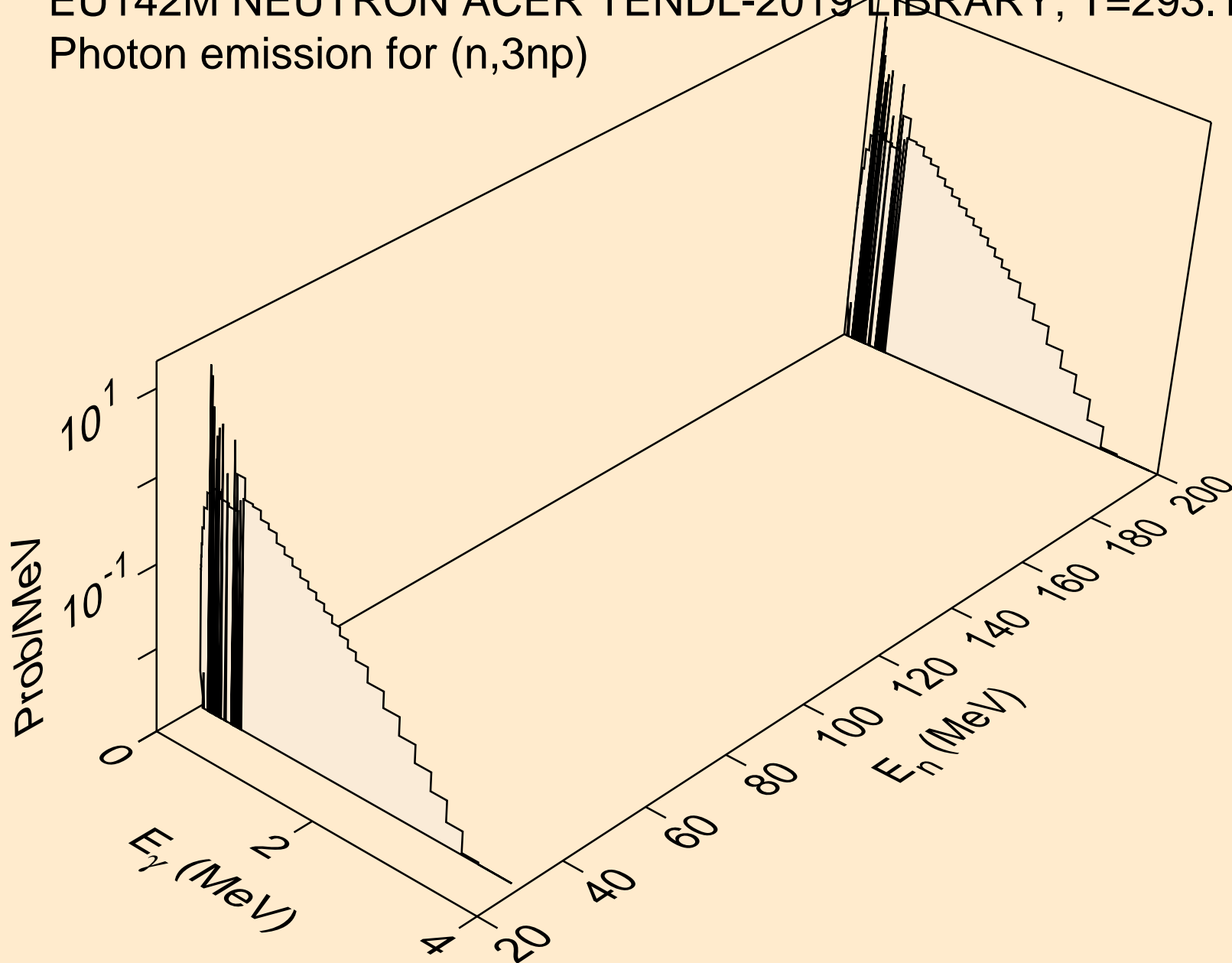




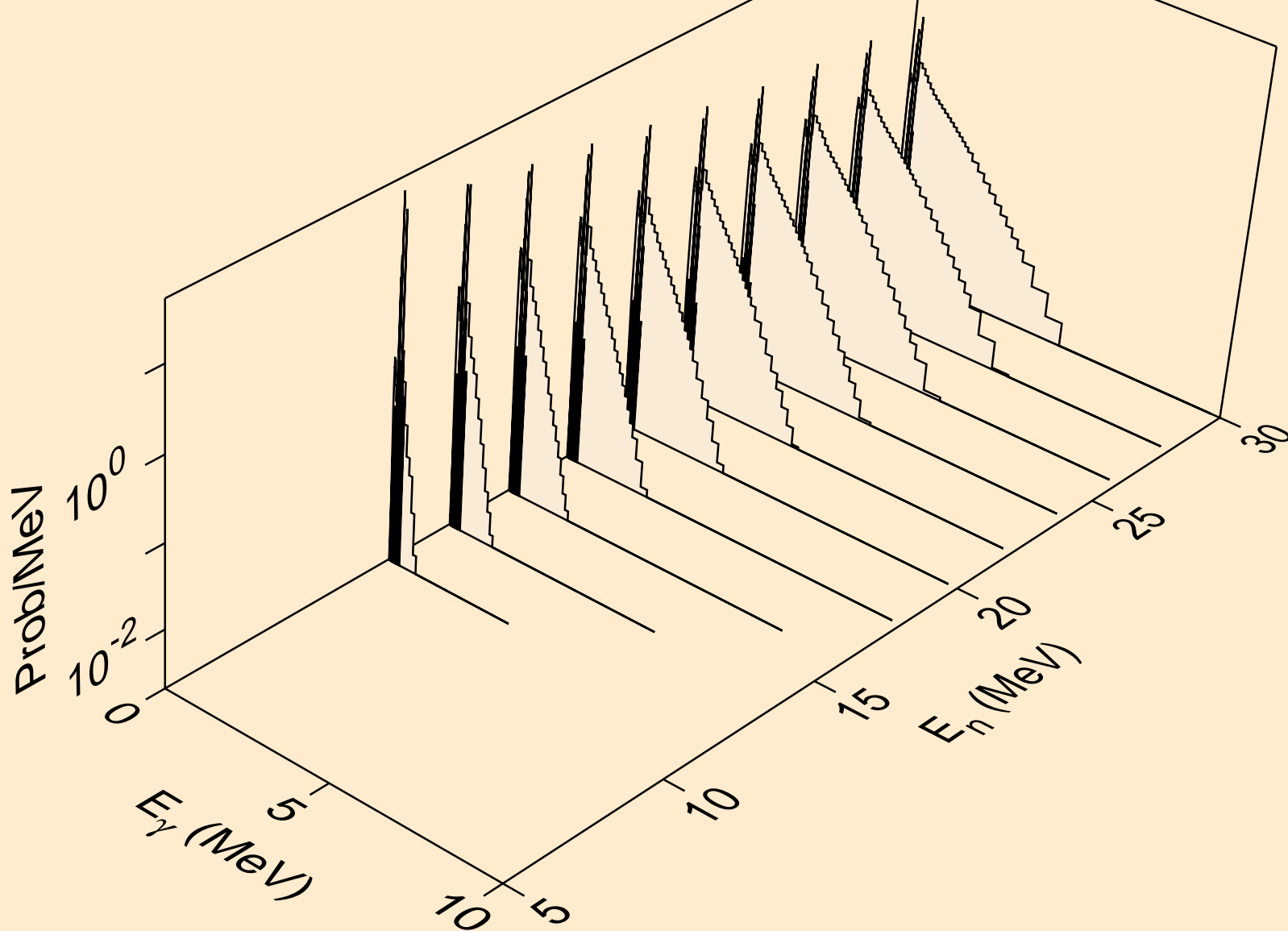
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Photon emission for (n,2np)



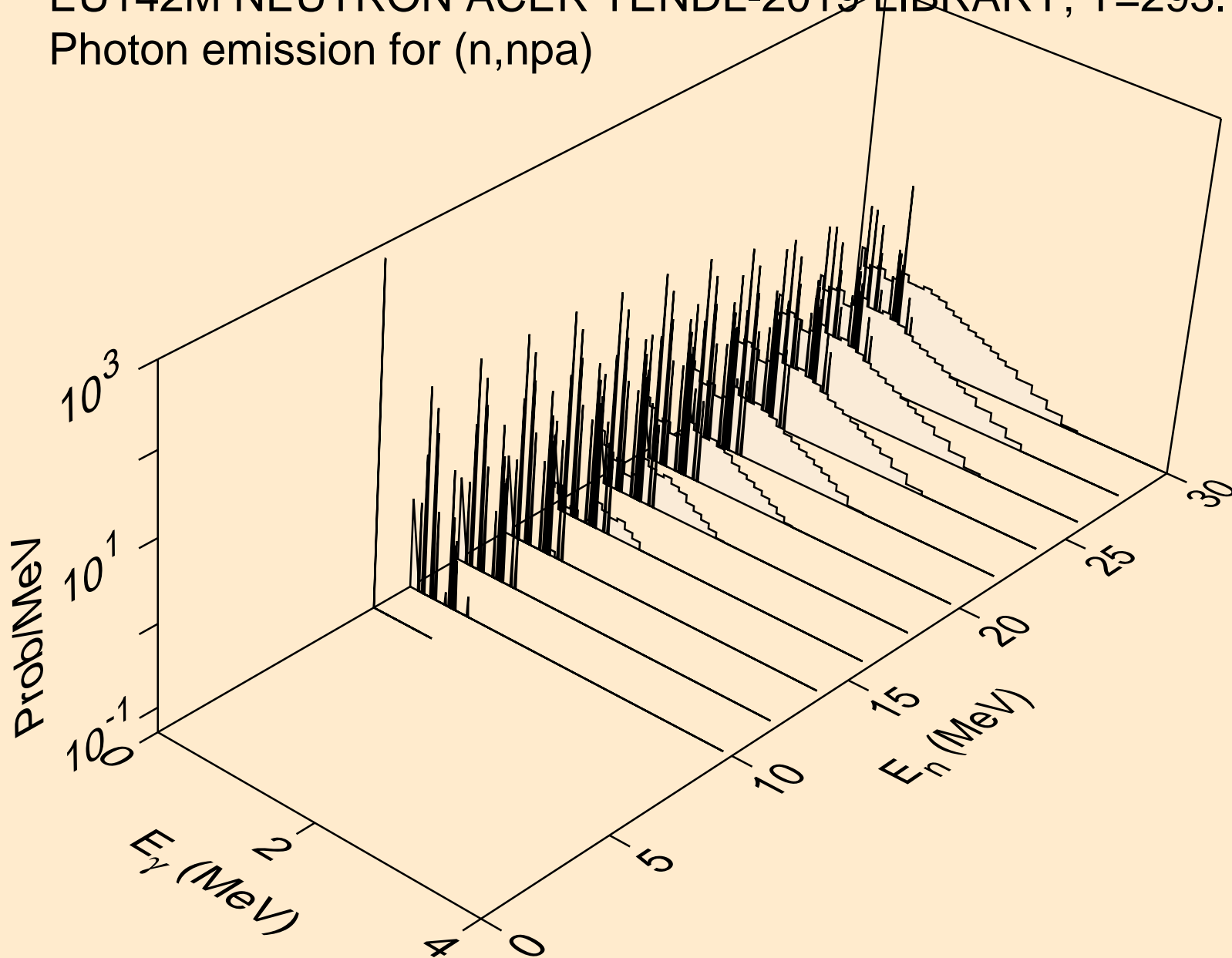
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



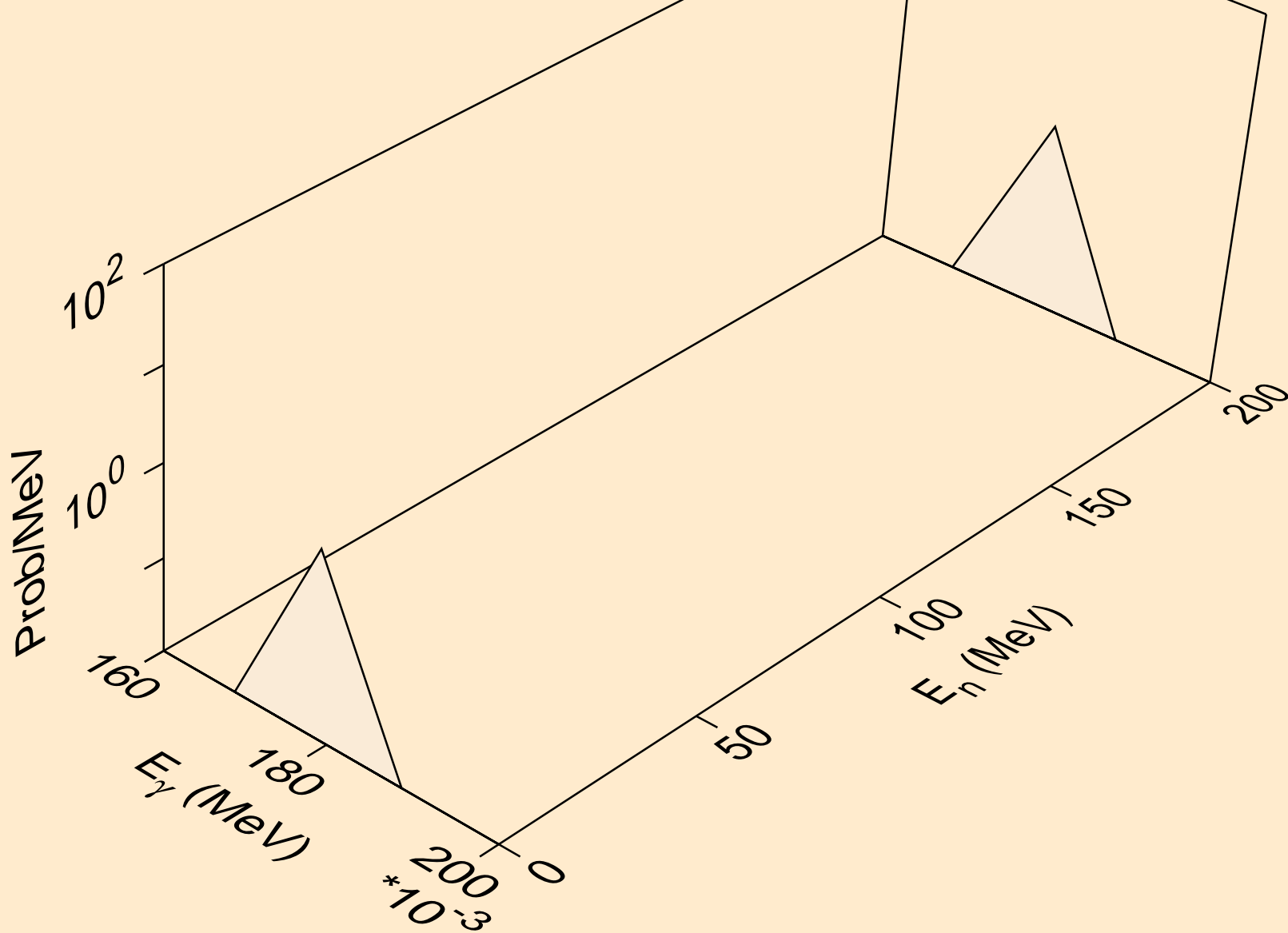
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



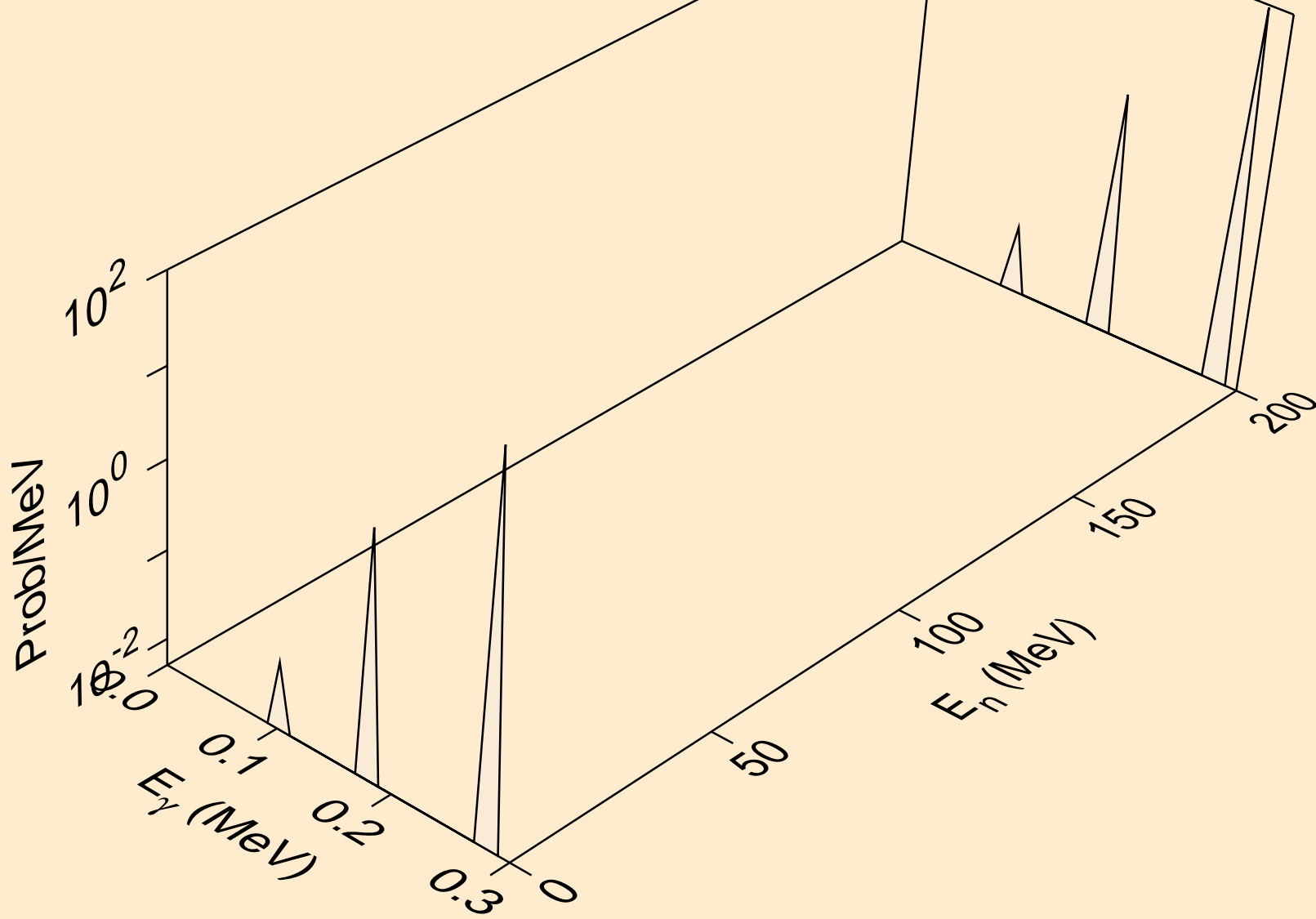
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



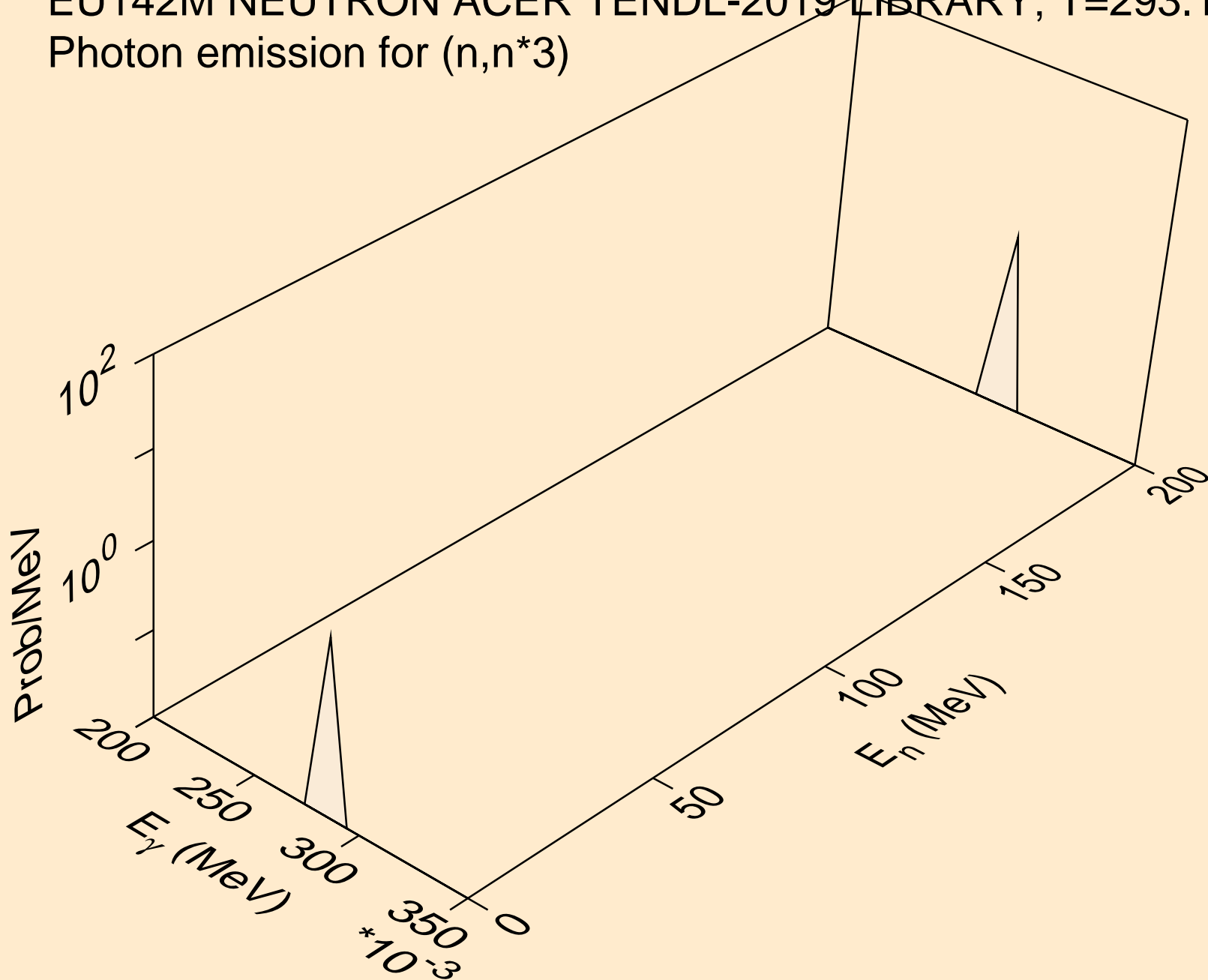
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*1)



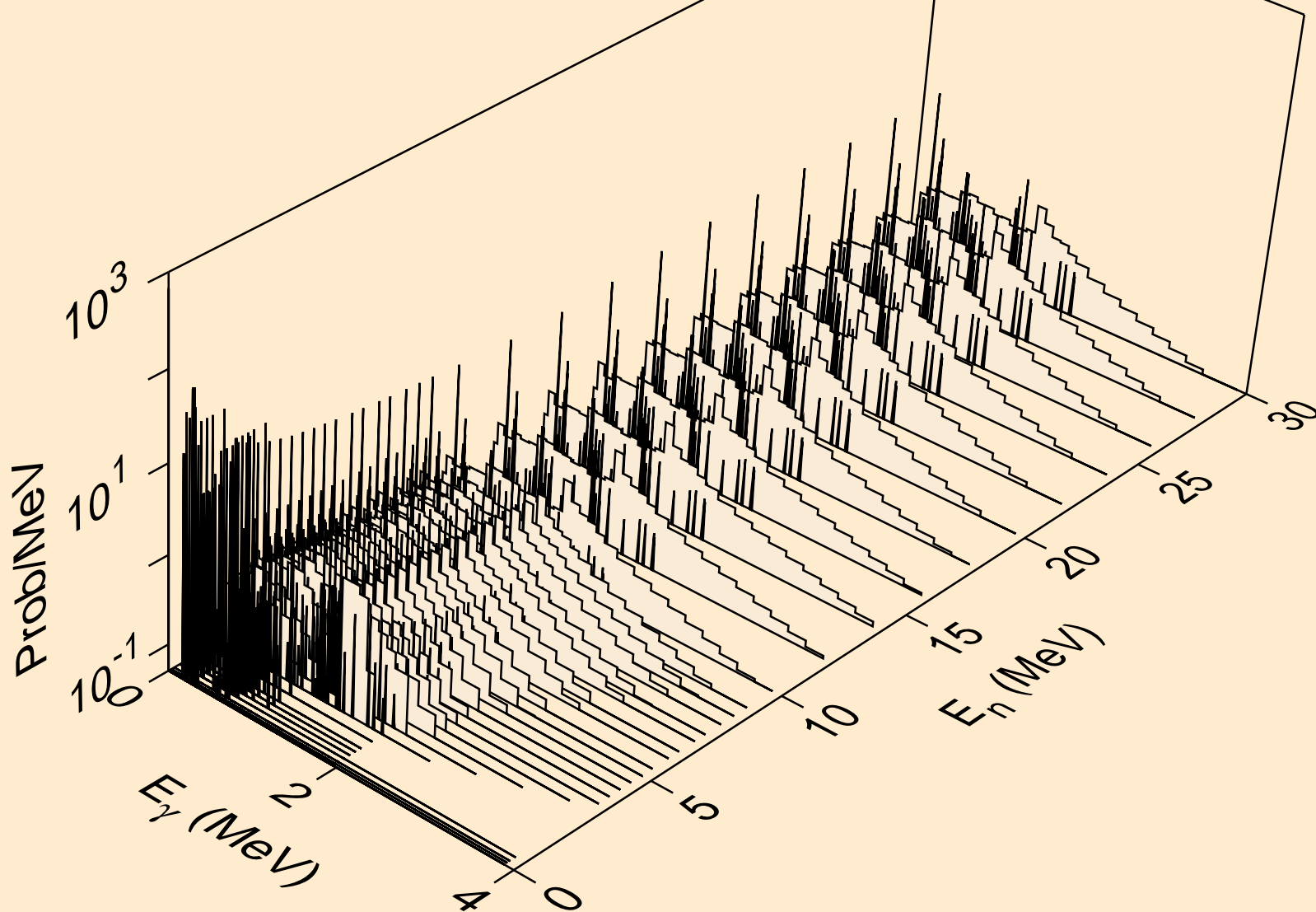
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*2)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*3)

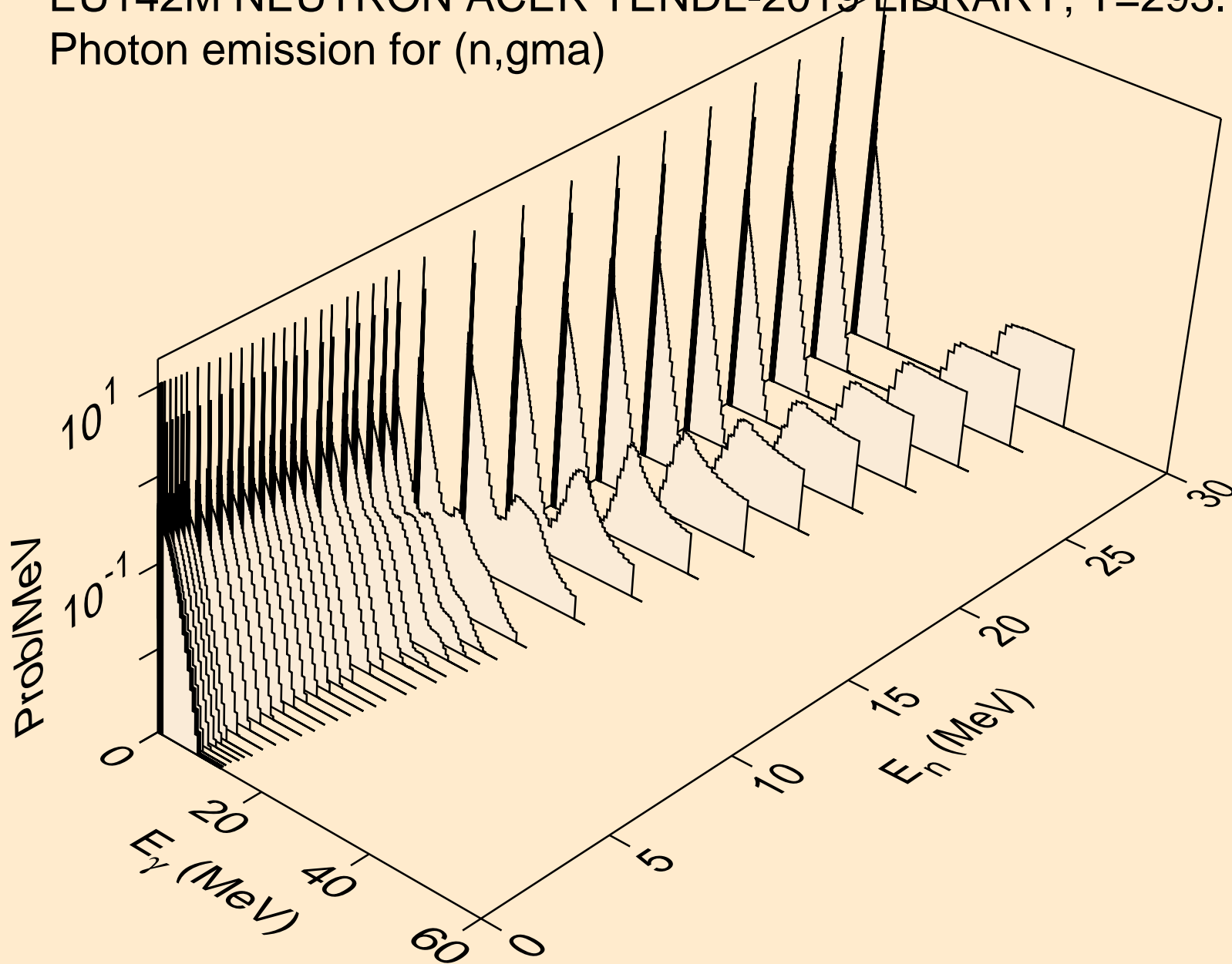


EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

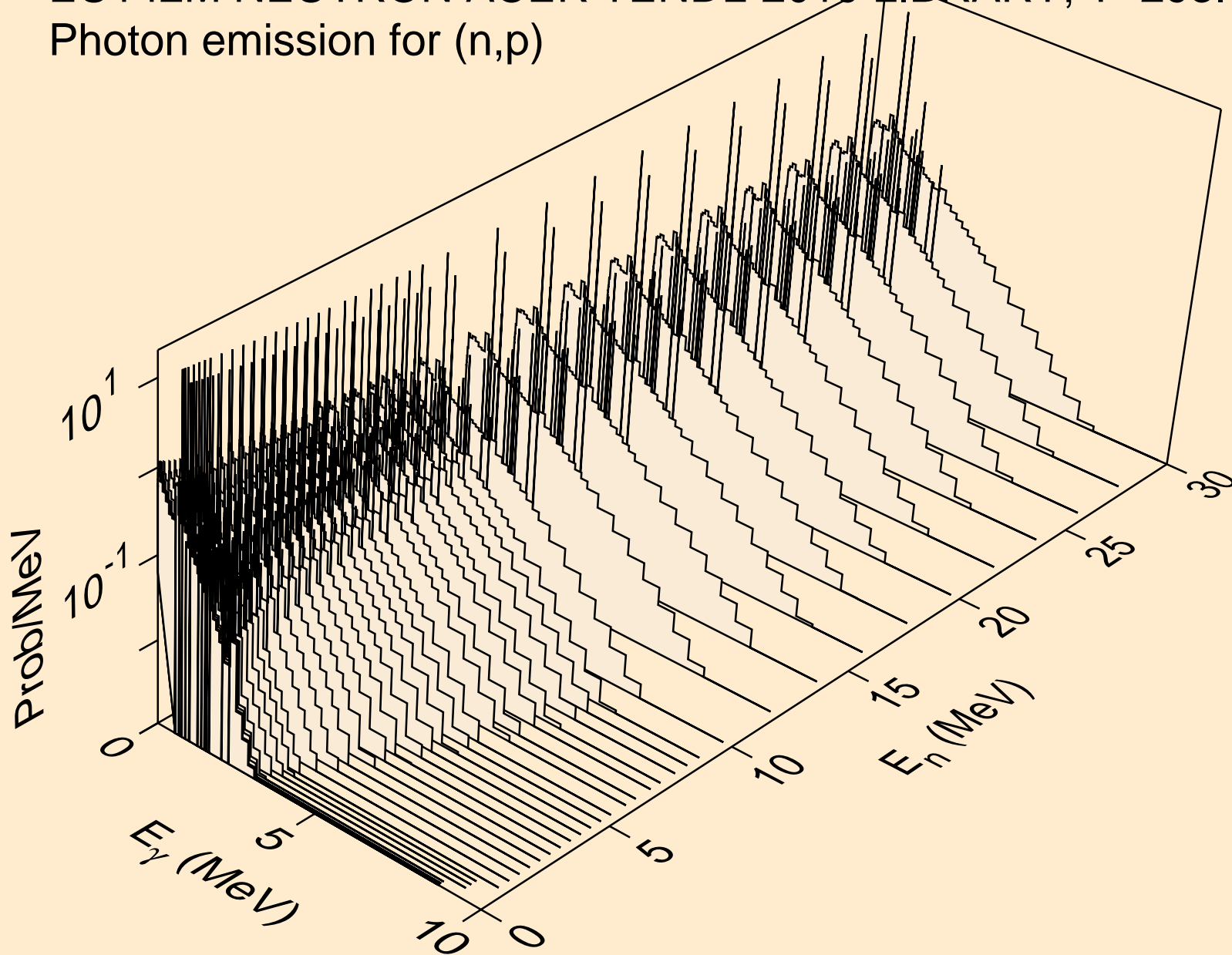




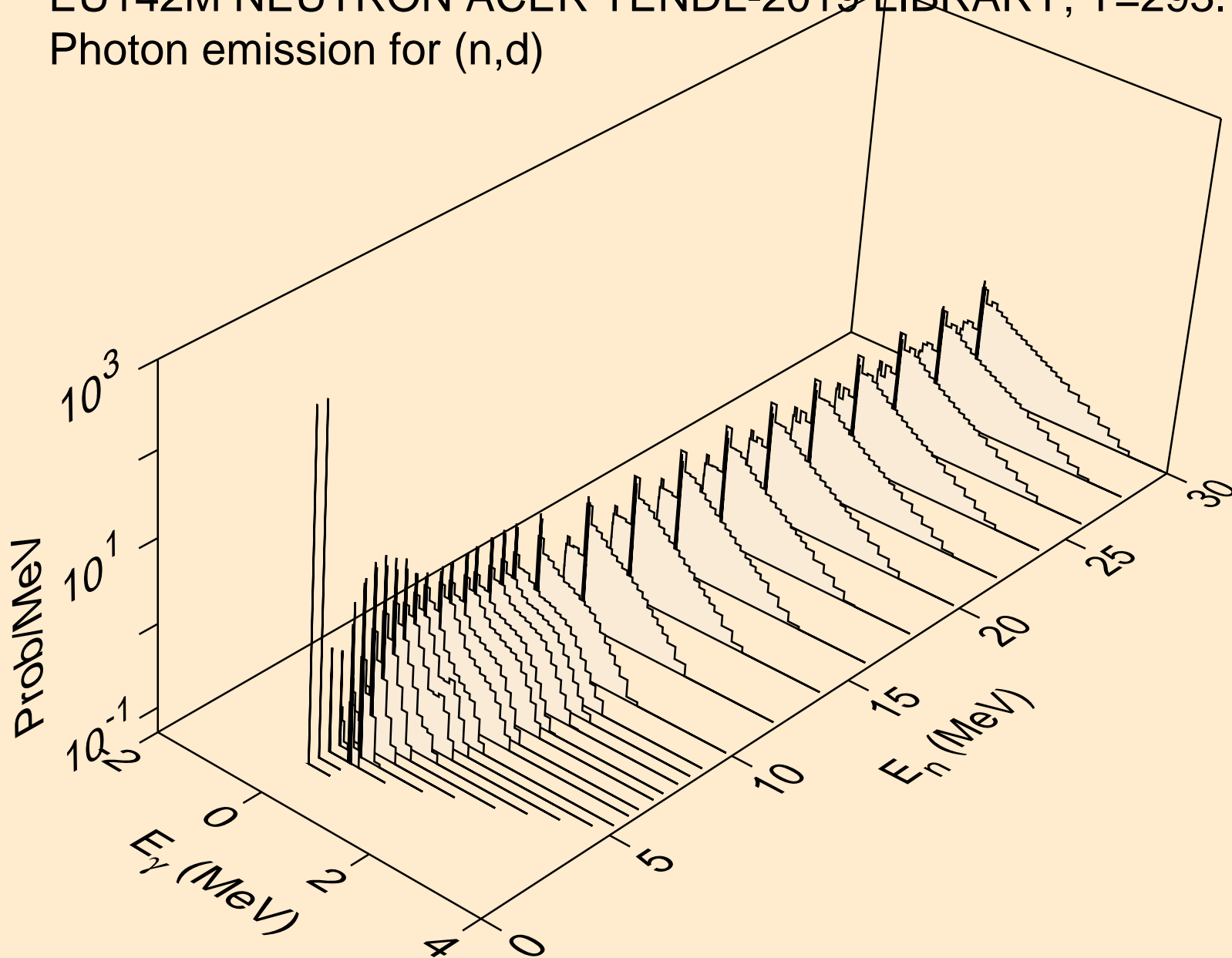
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Photon emission for (n,gma)



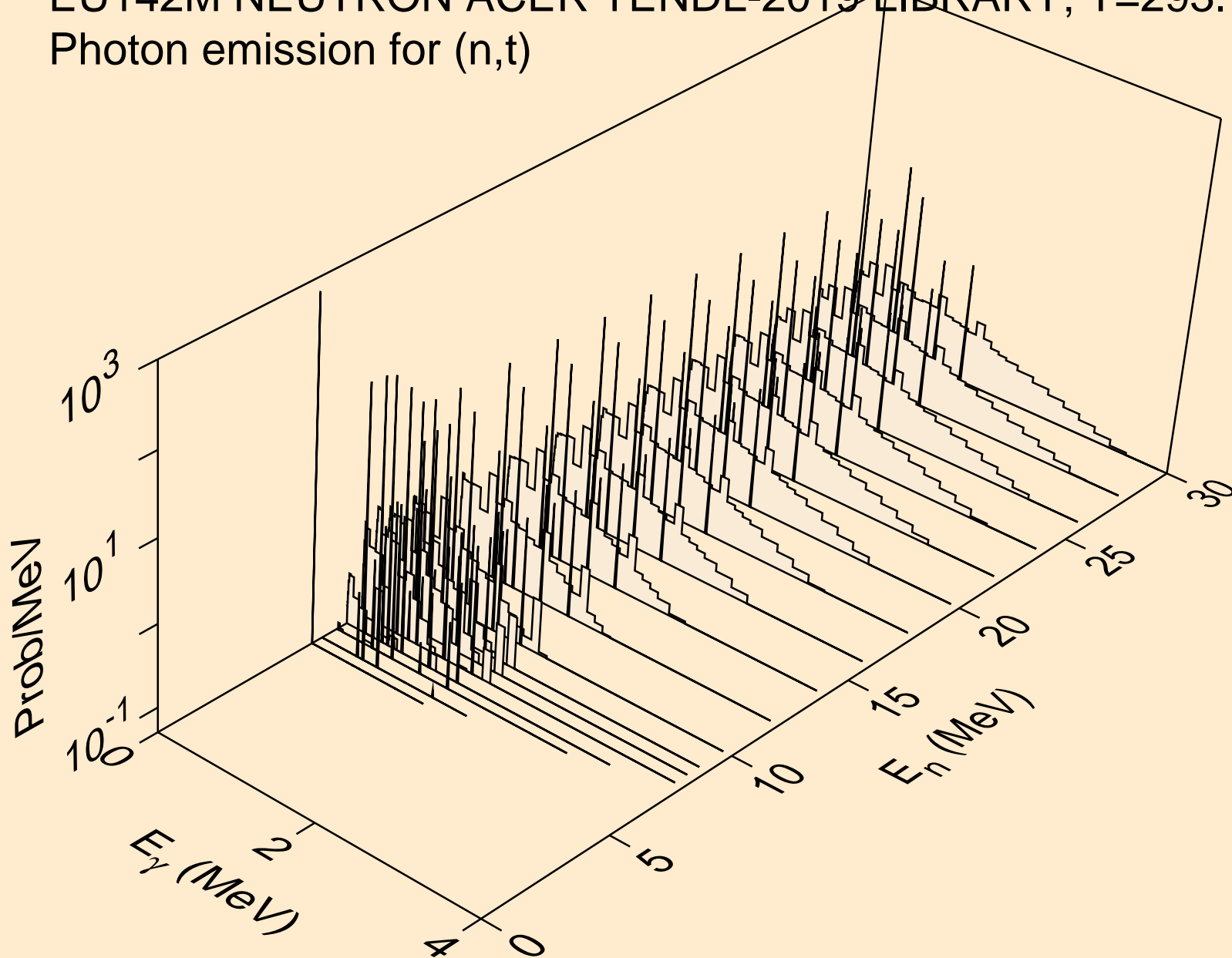
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Photon emission for (n,p)



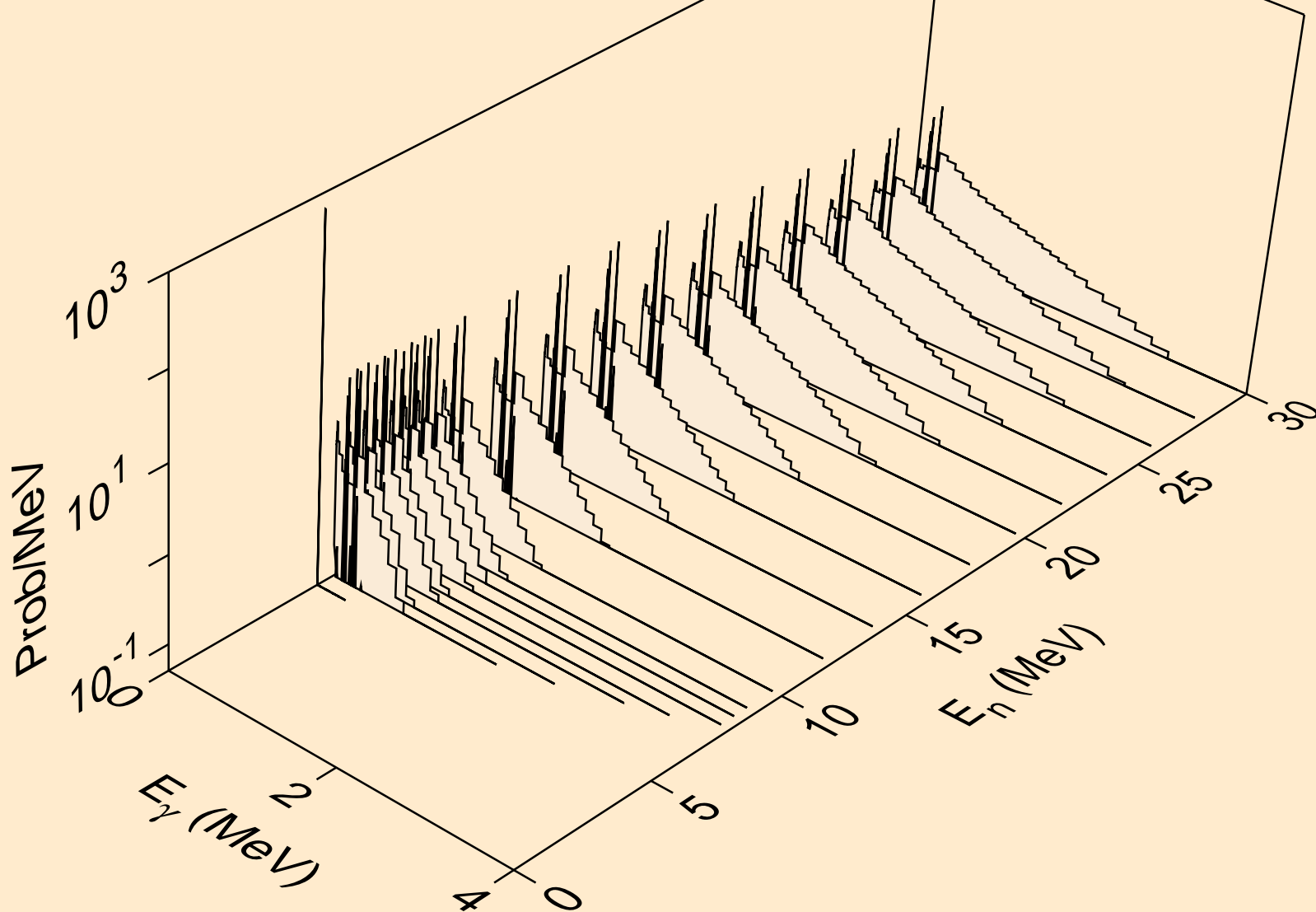
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Photon emission for (n,d)



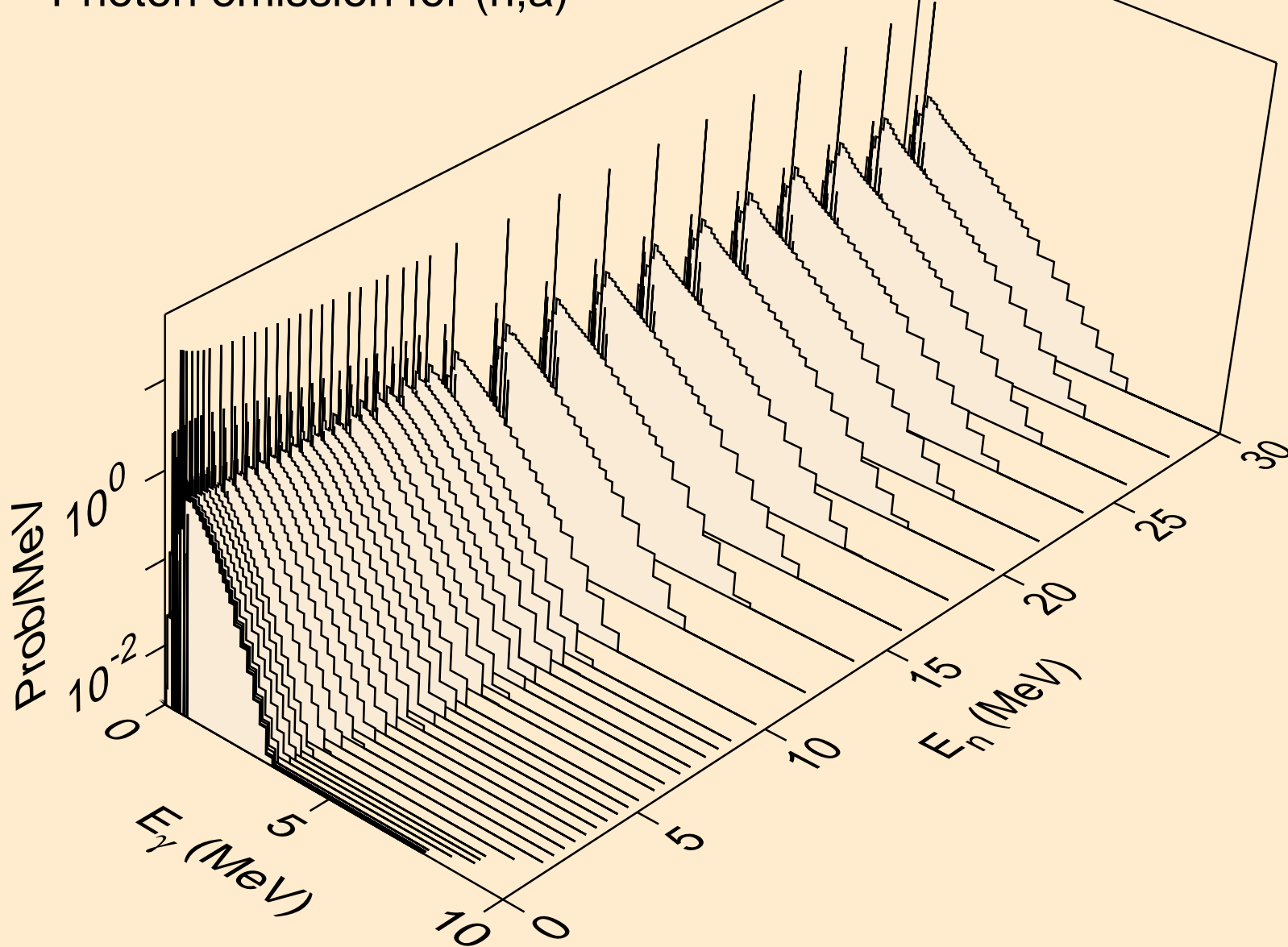
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Photon emission for (n,t)



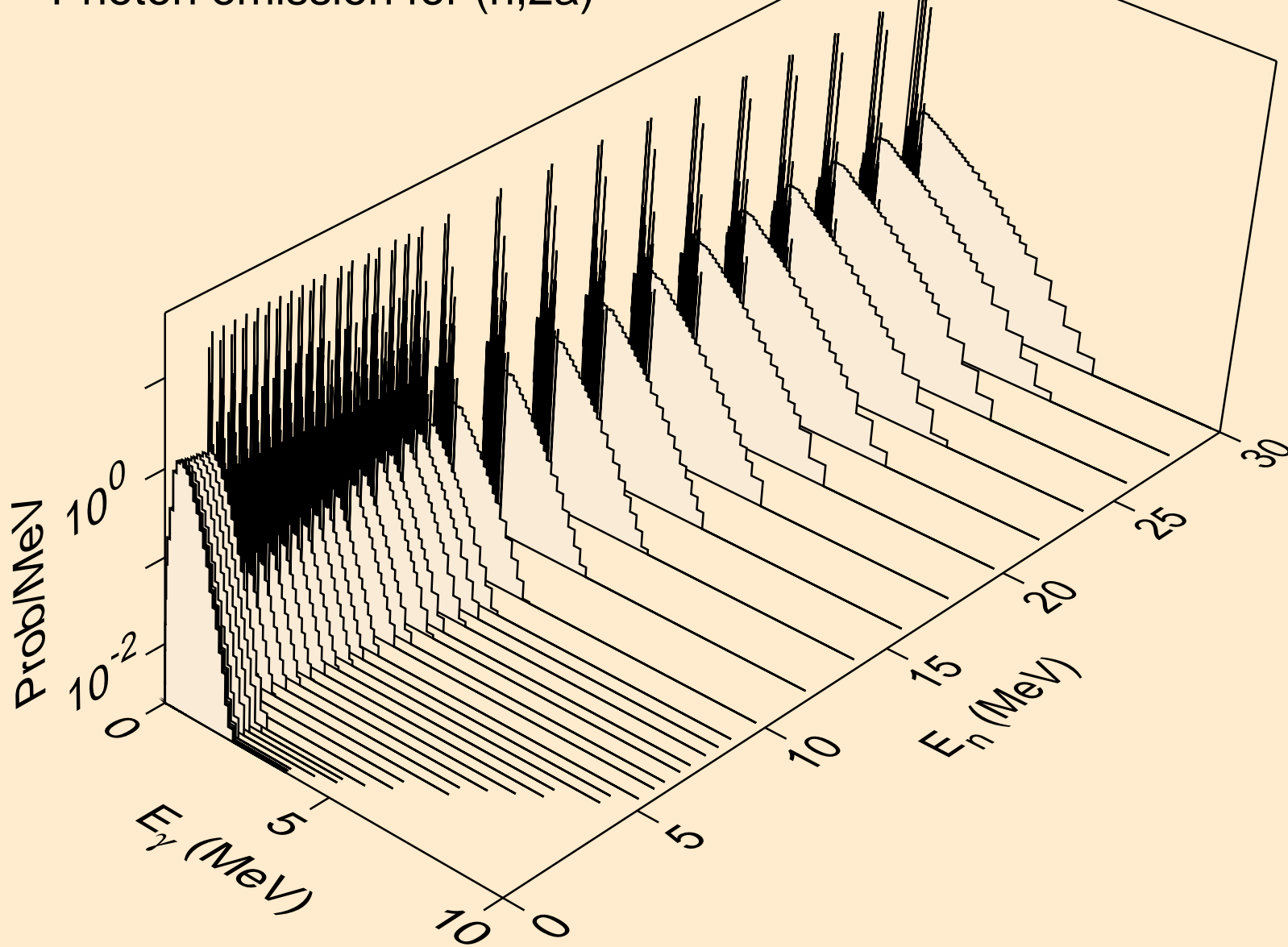
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Photon emission for (n,he3)



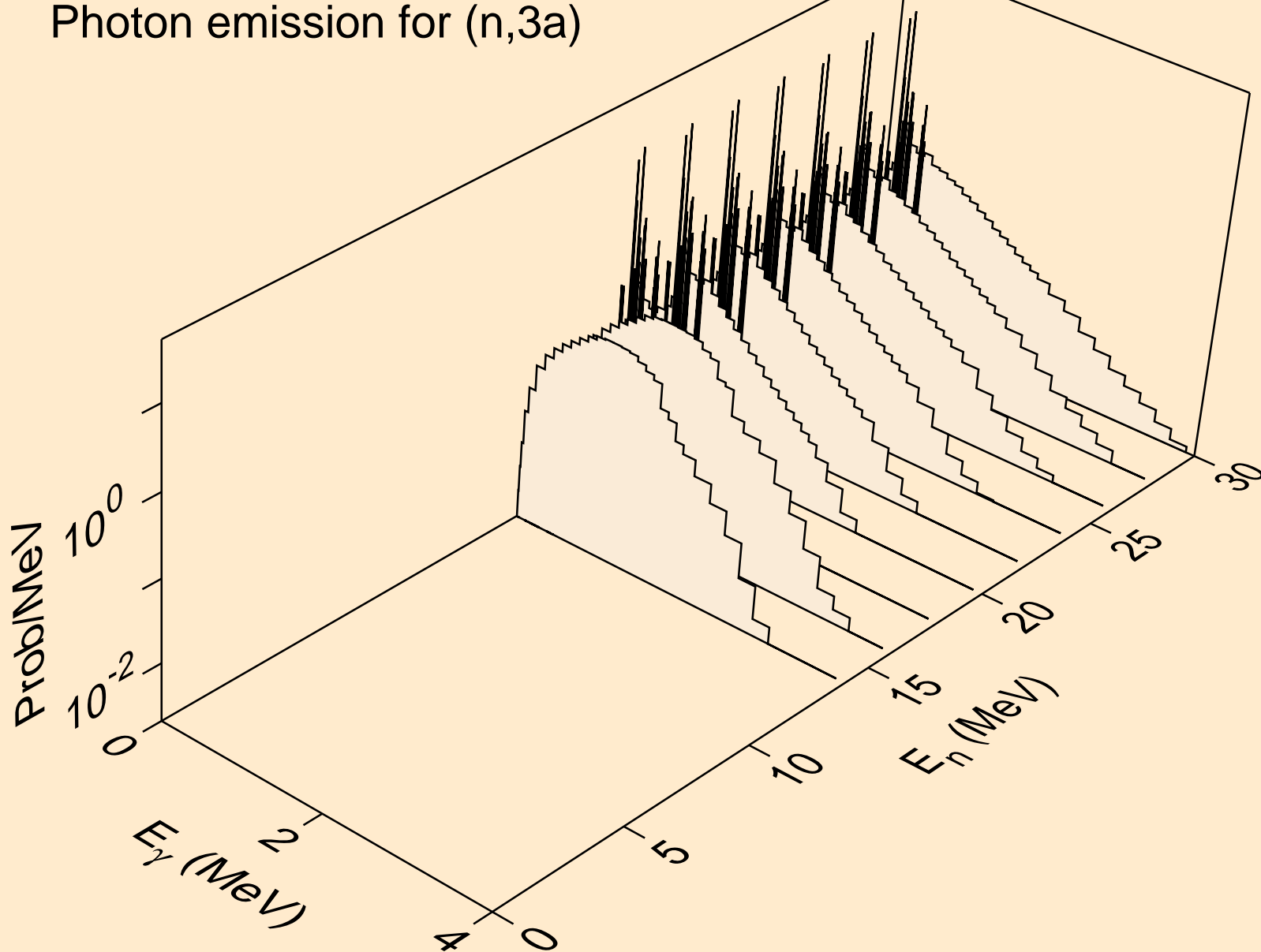
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

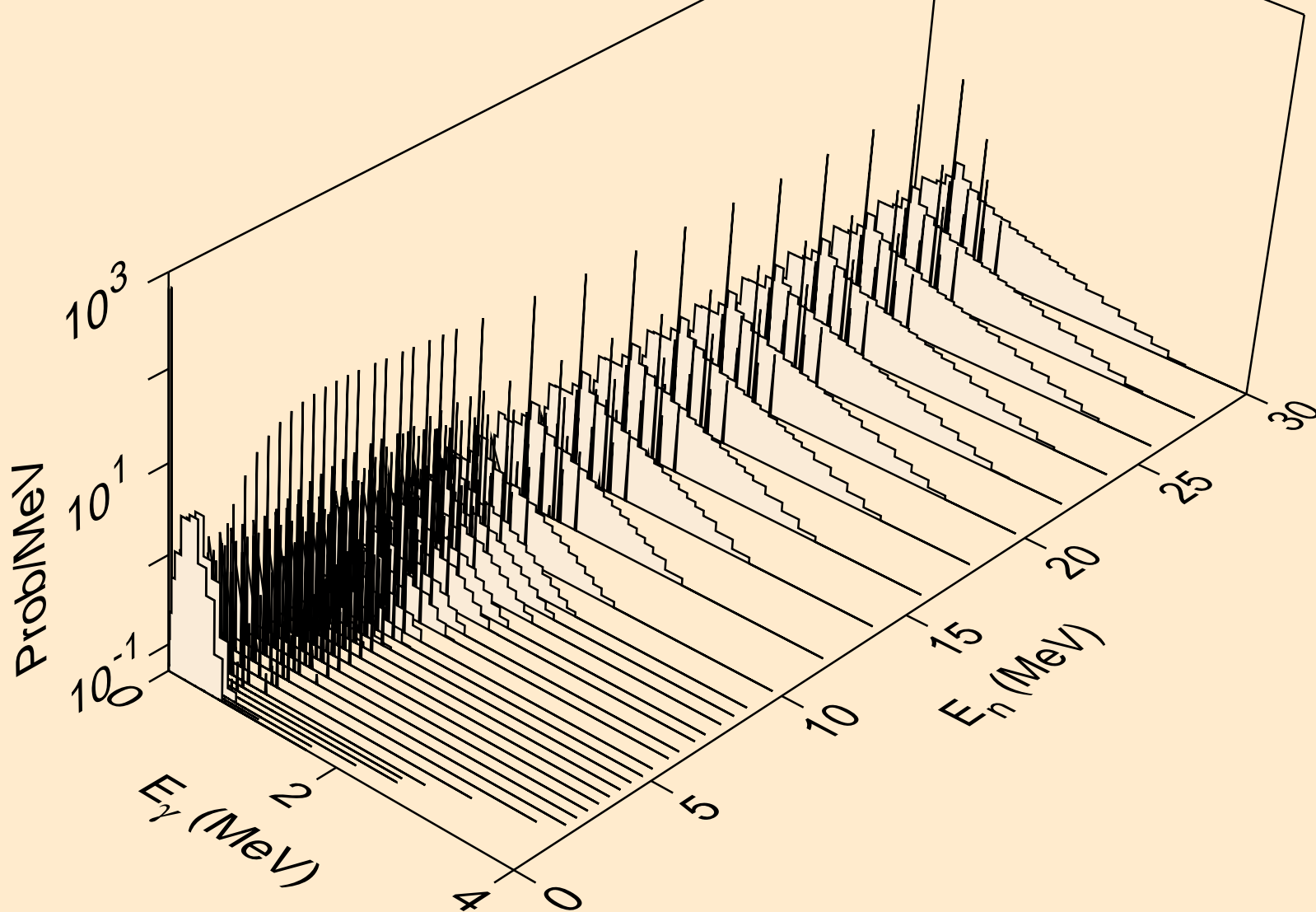


EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)

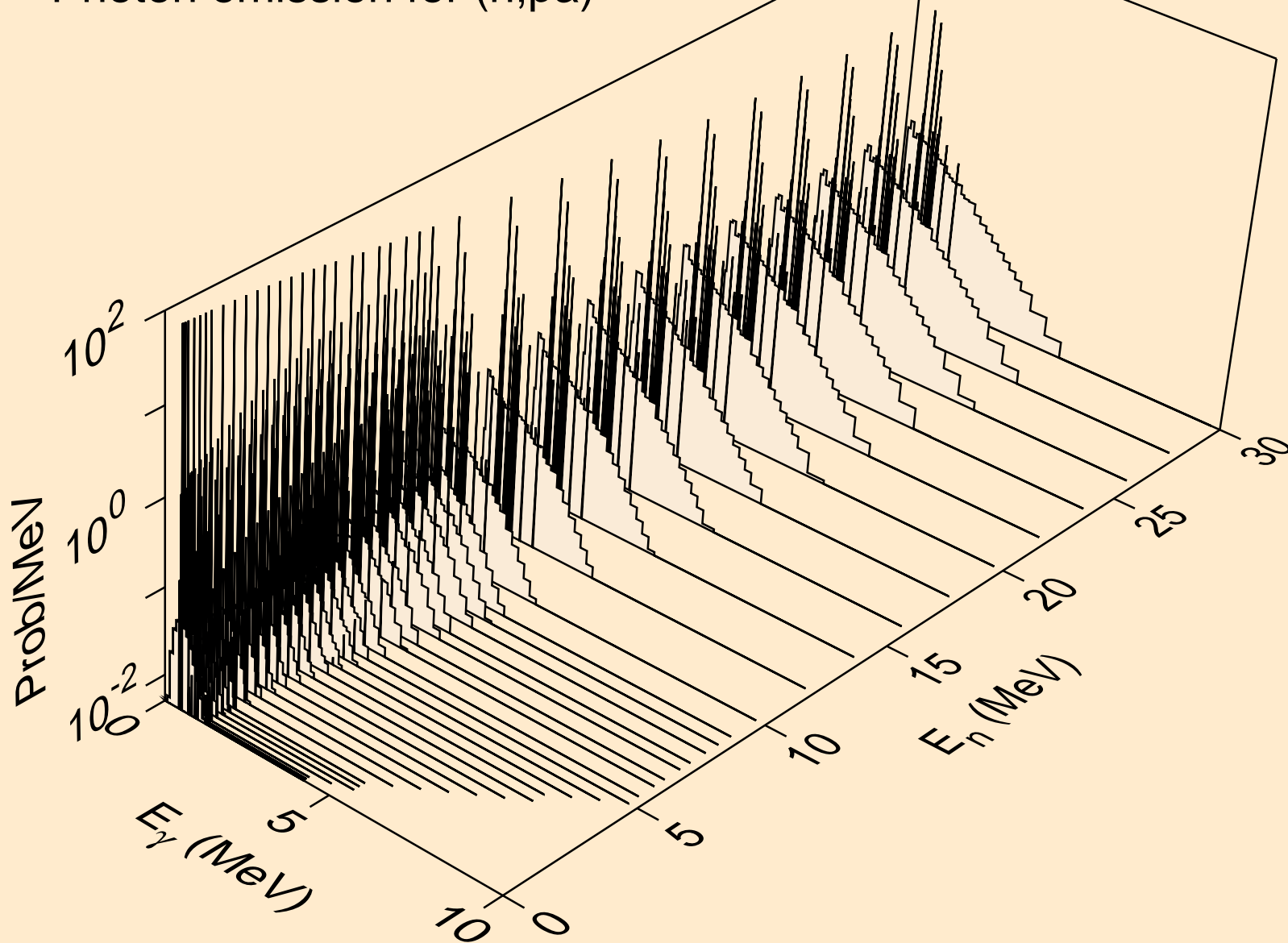




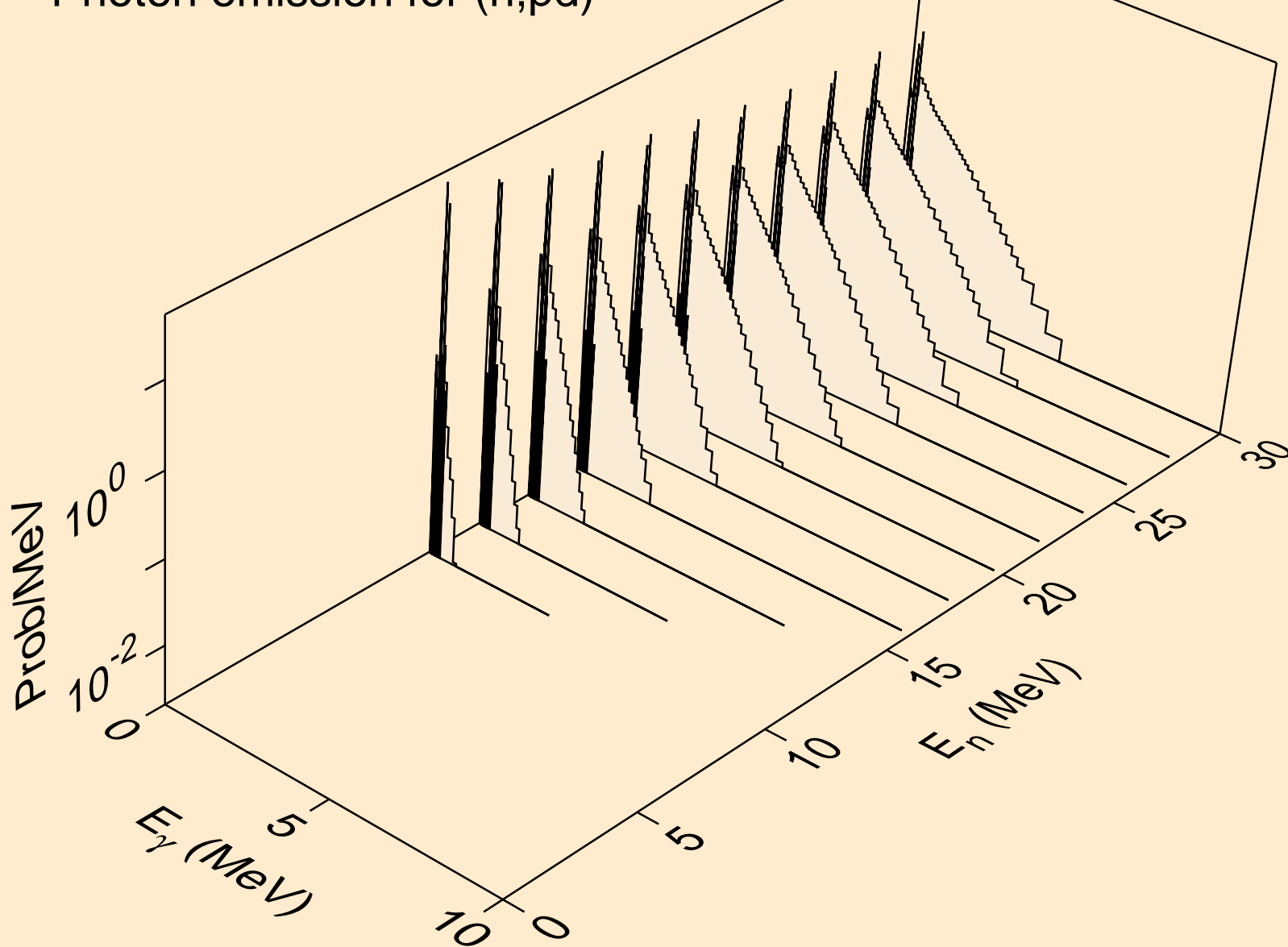
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Photon emission for (n,2p)



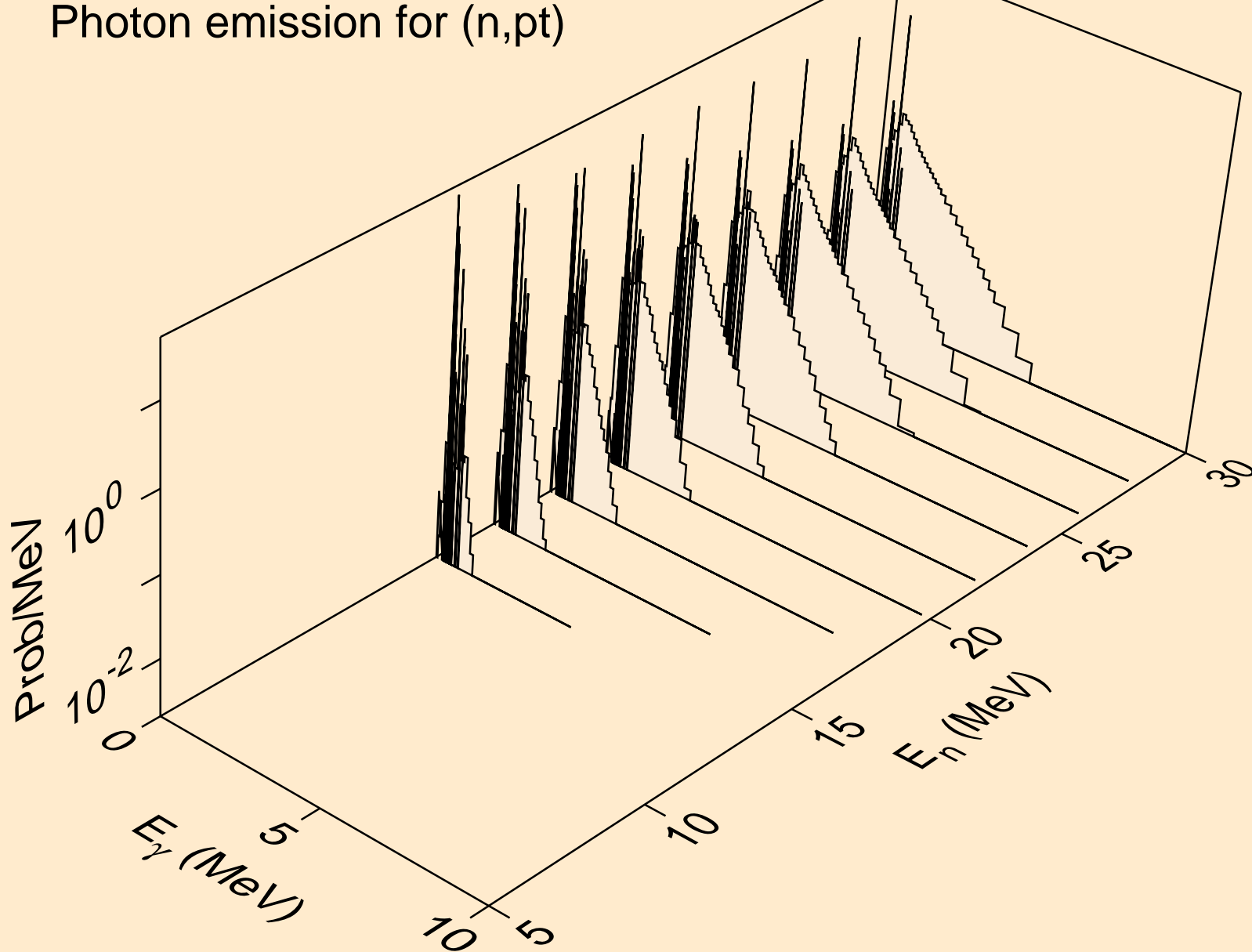
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Photon emission for (n,p $\alpha$ )



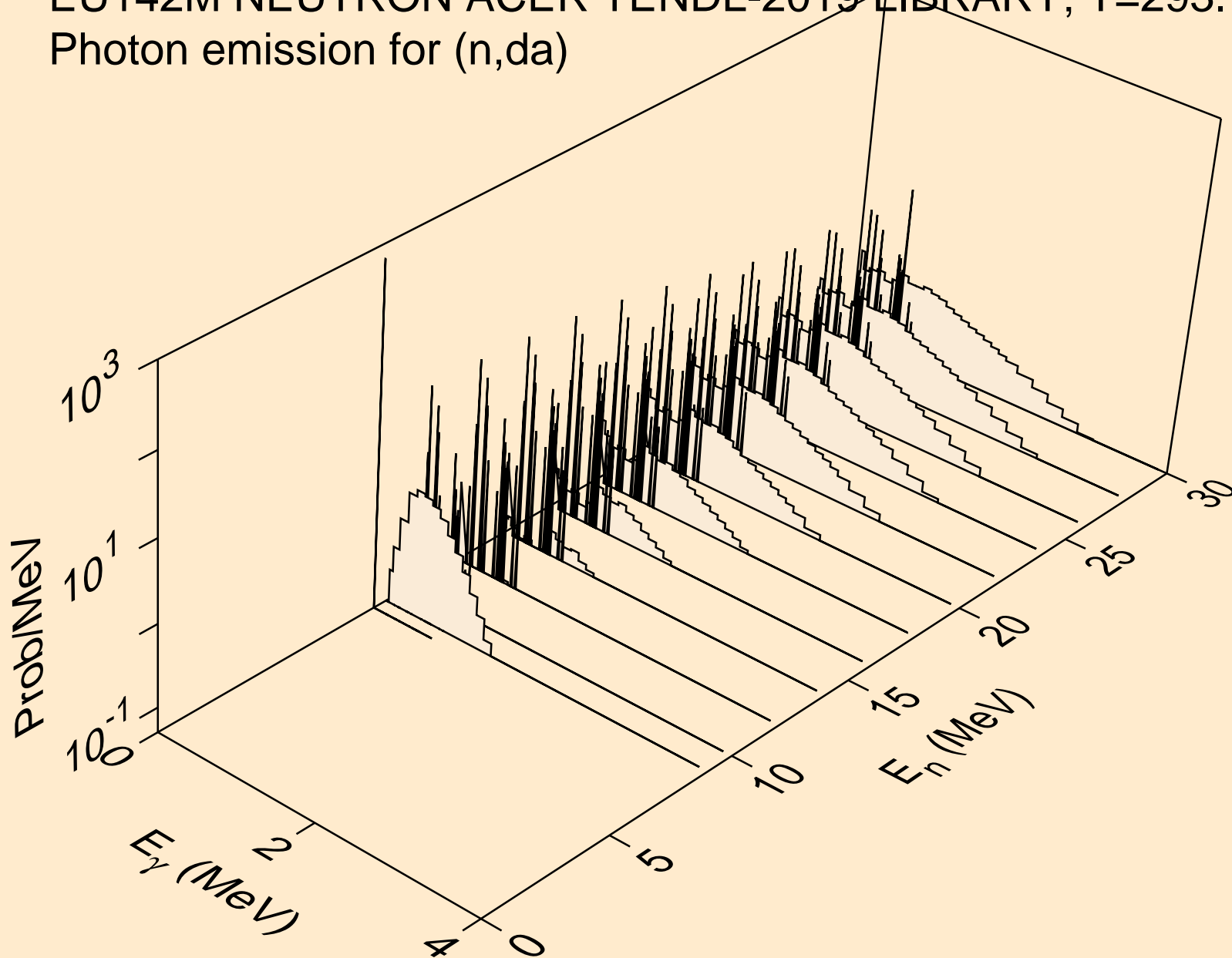
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



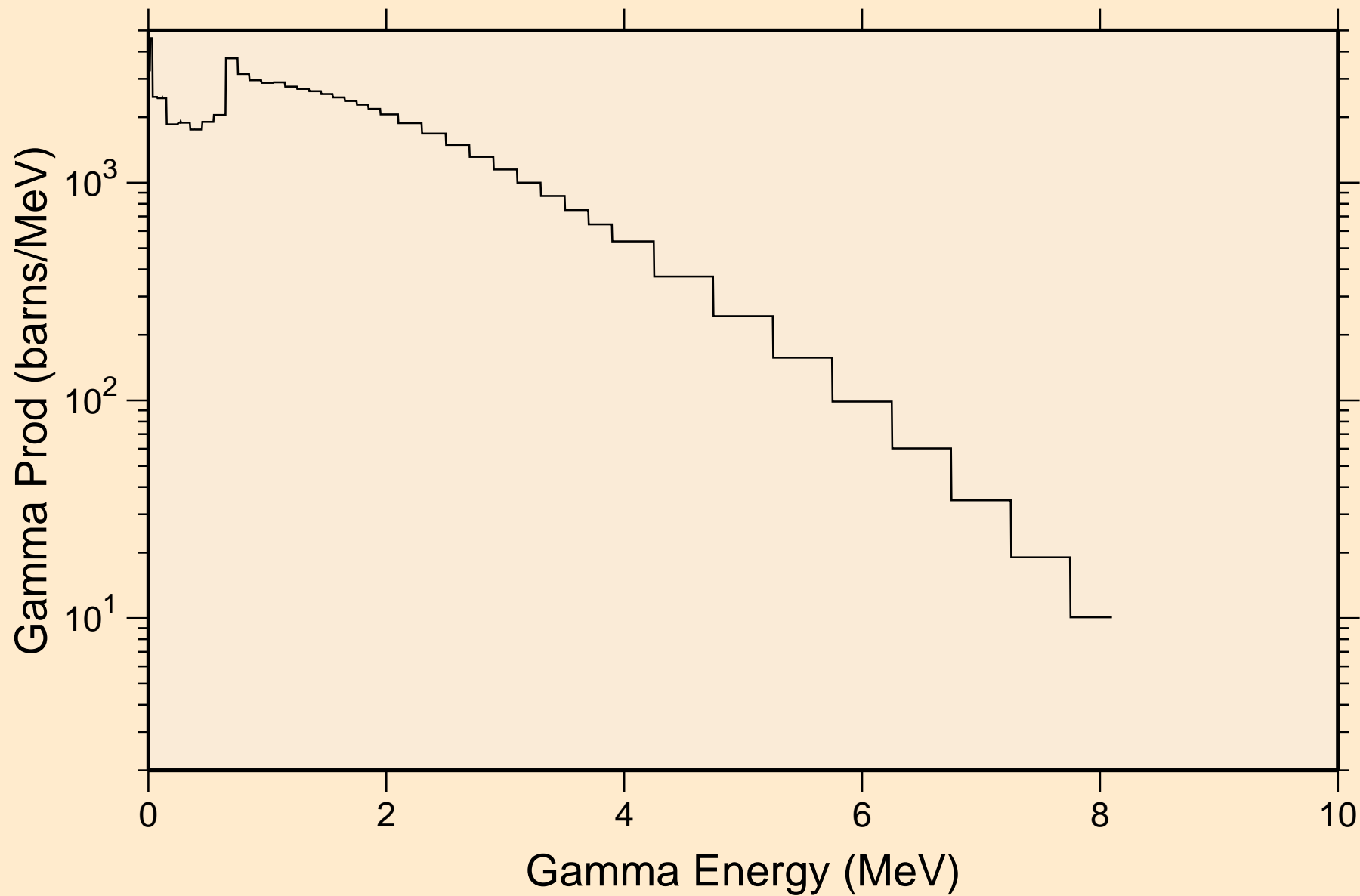
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



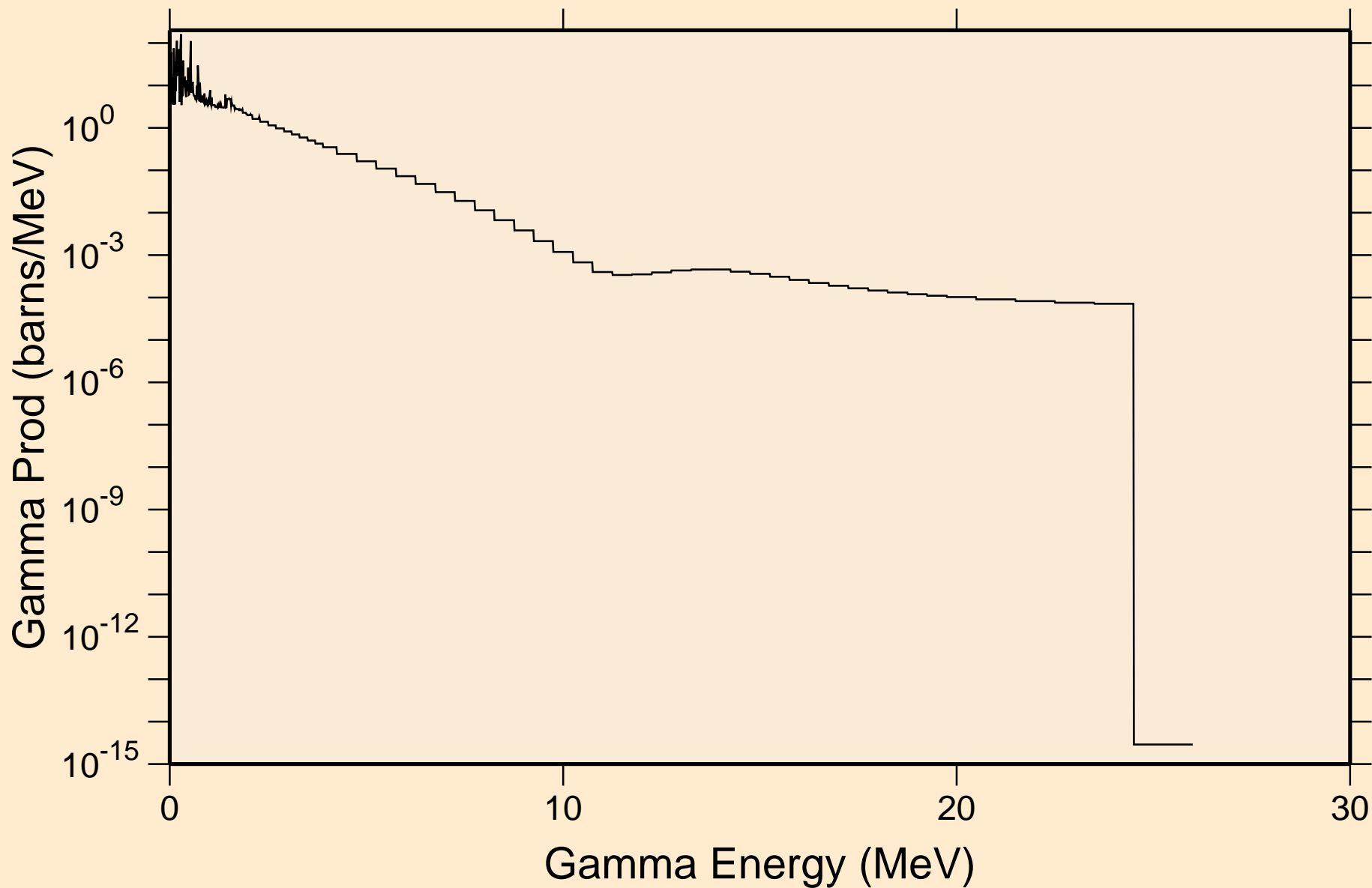
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



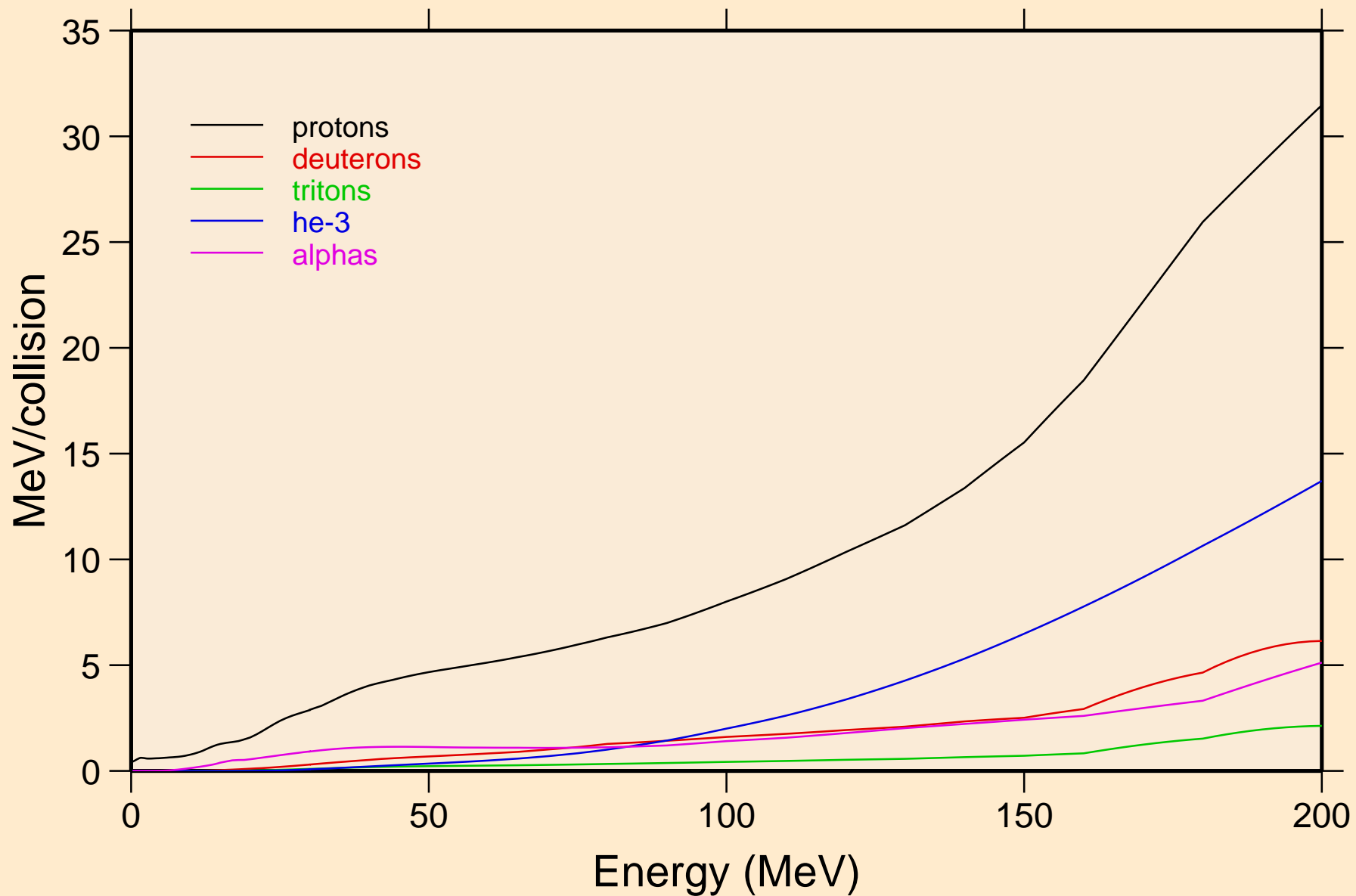
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

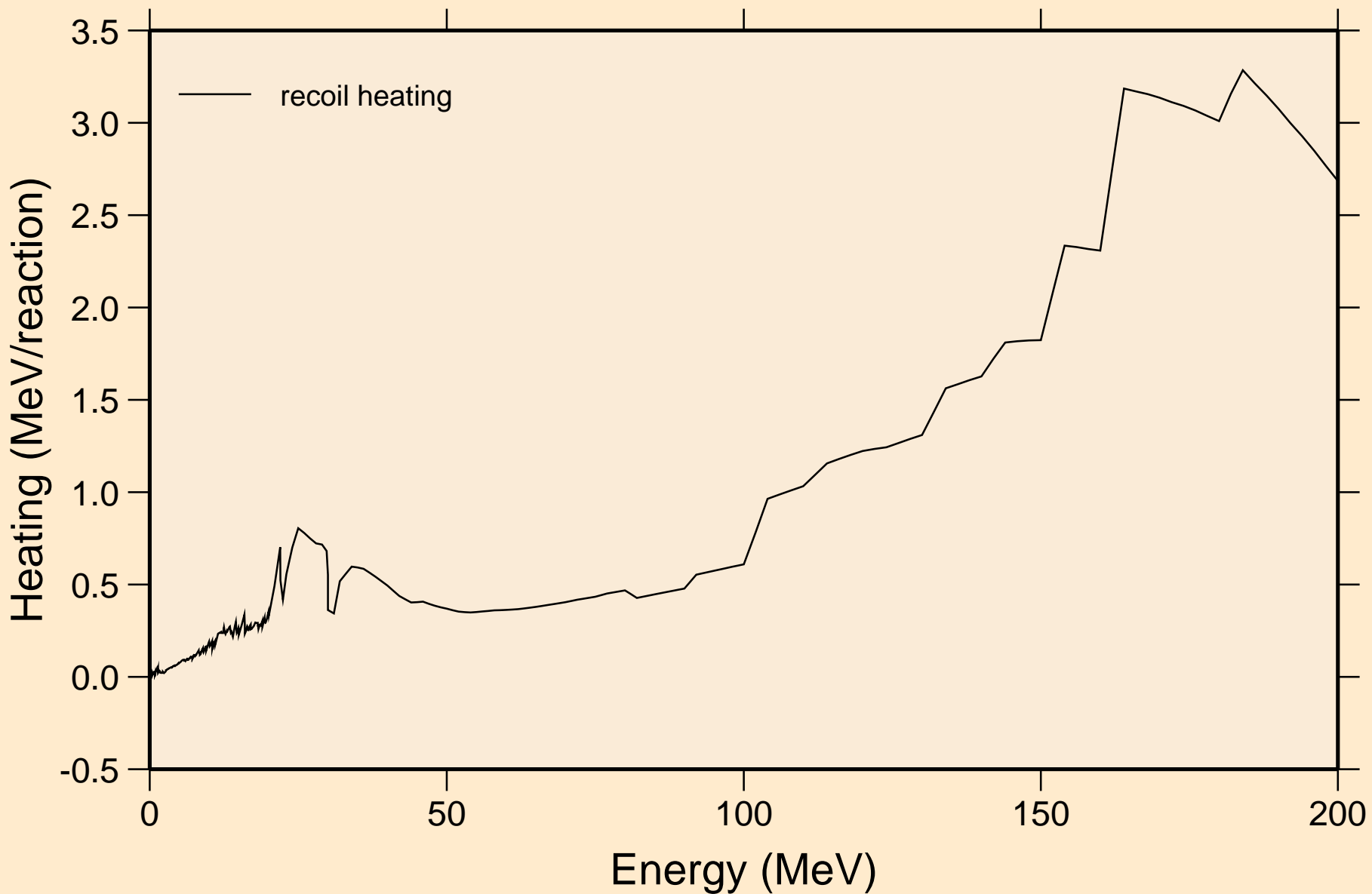


EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

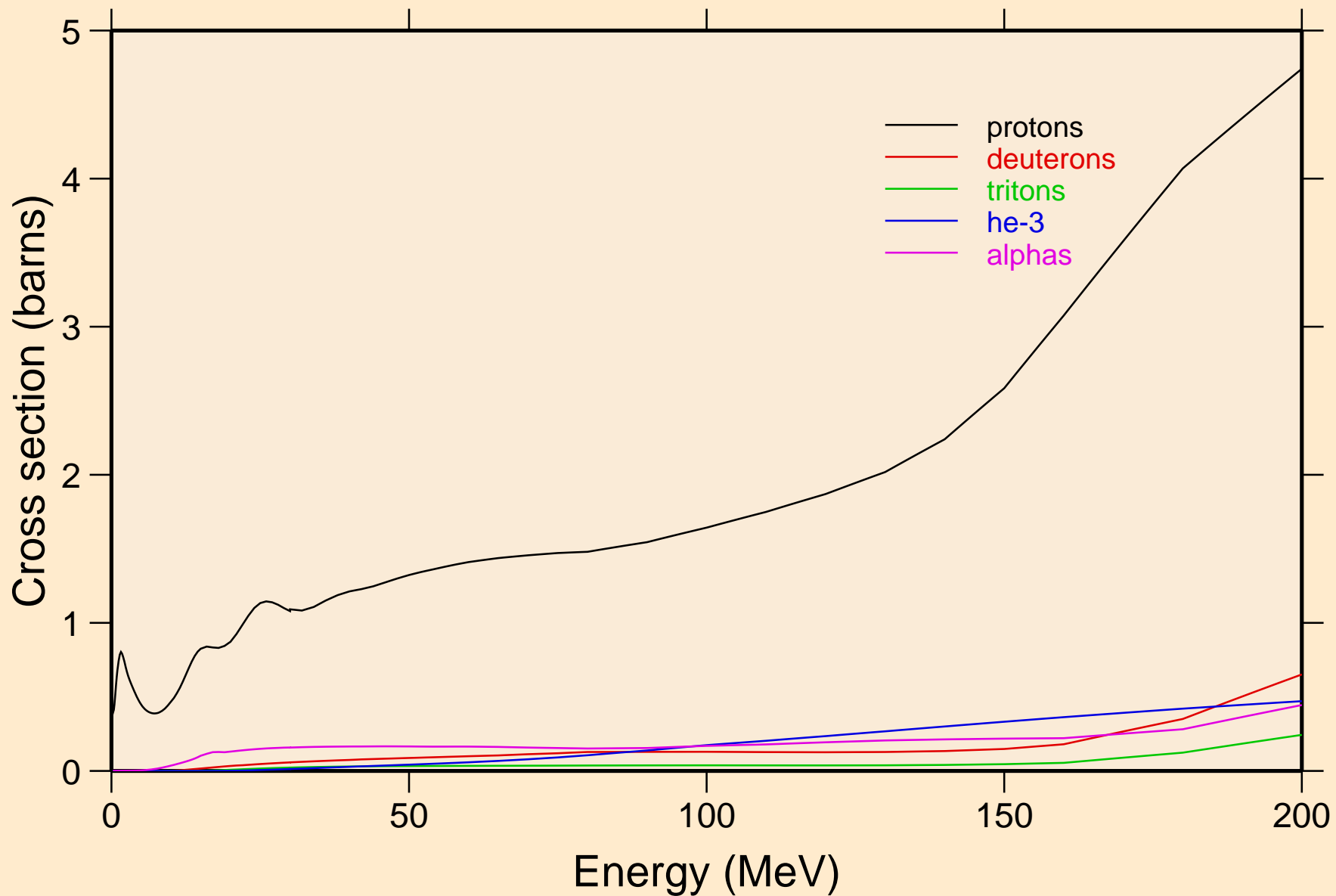




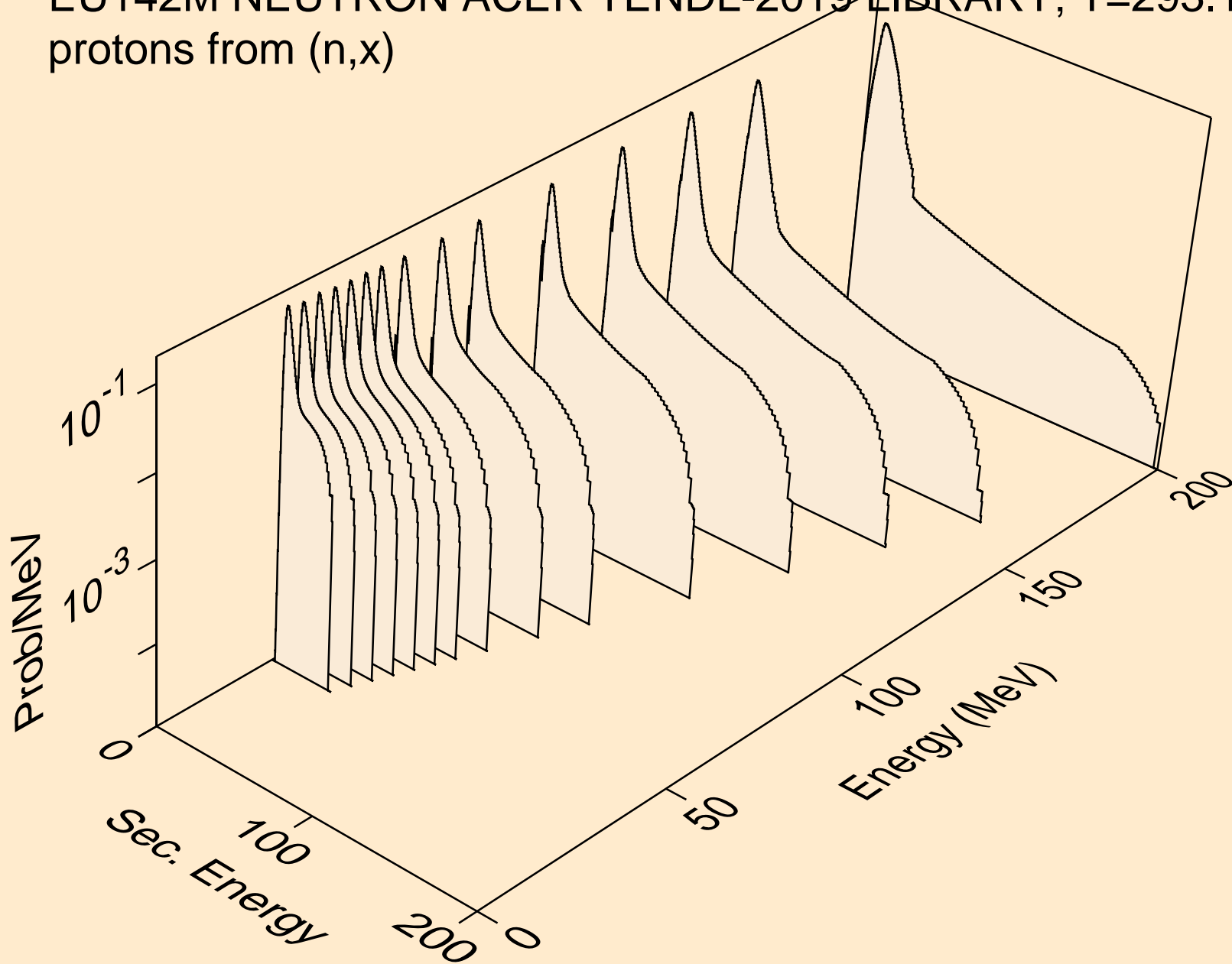
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Recoil Heating



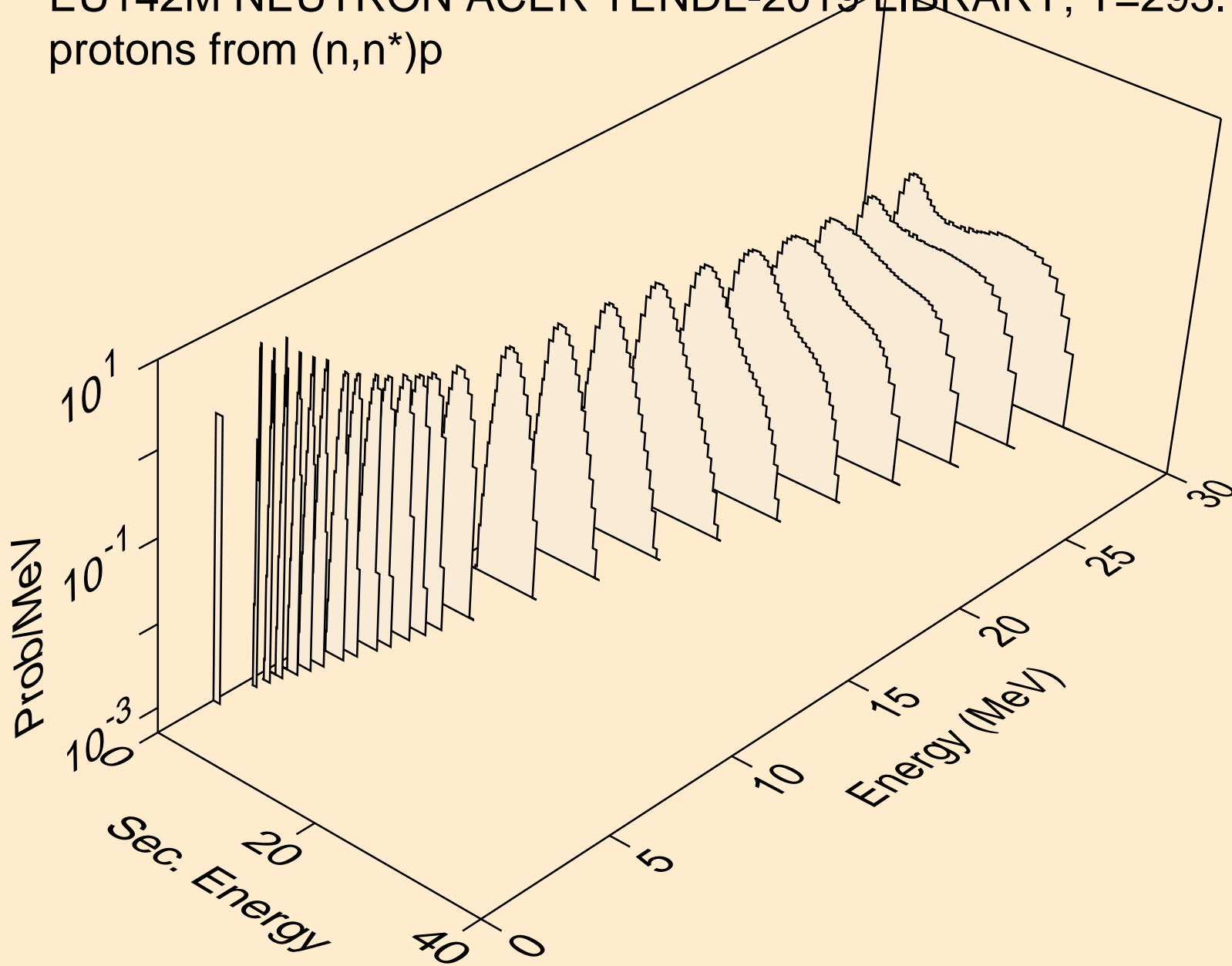
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Particle production cross sections



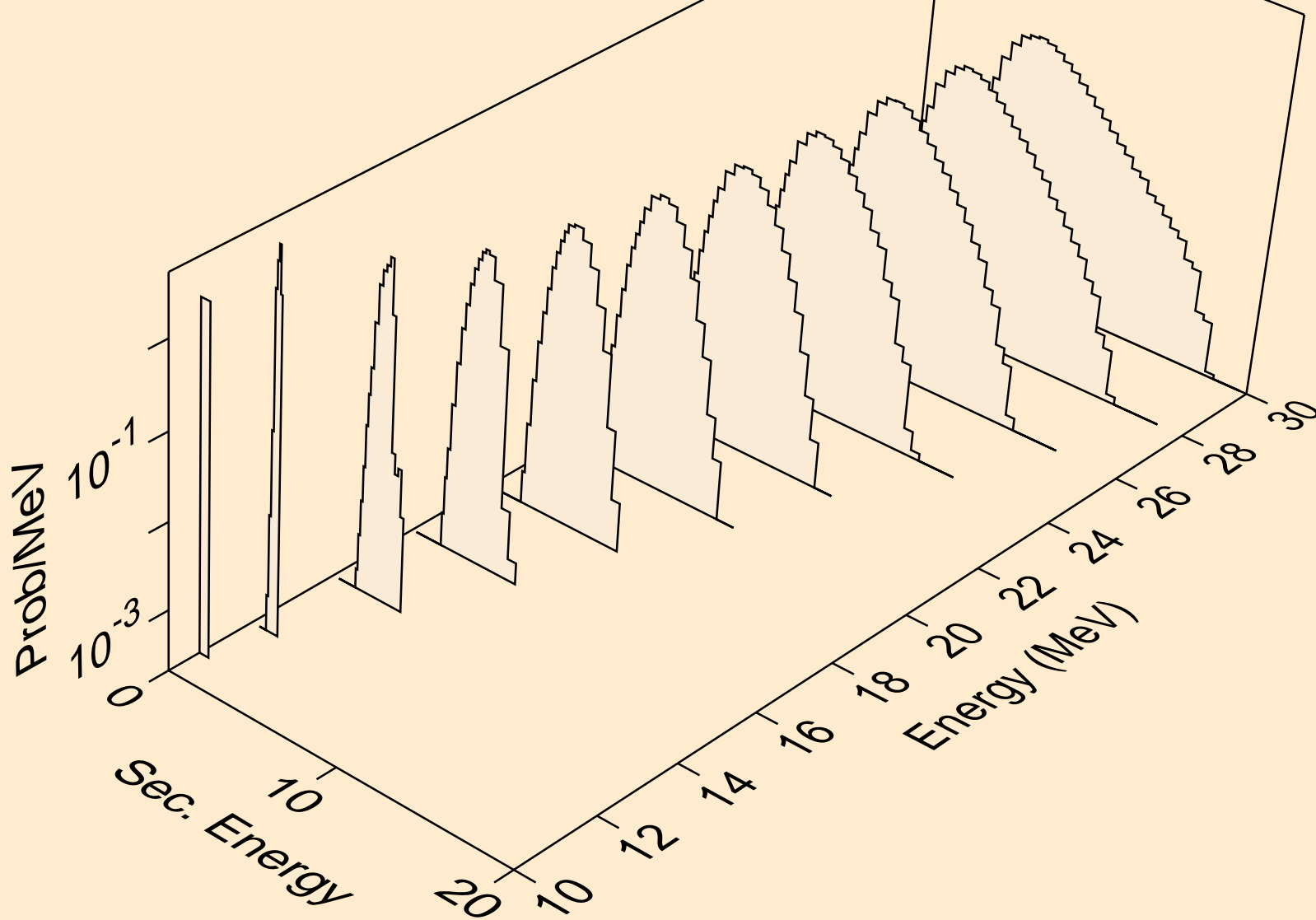
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protons from (n,x)



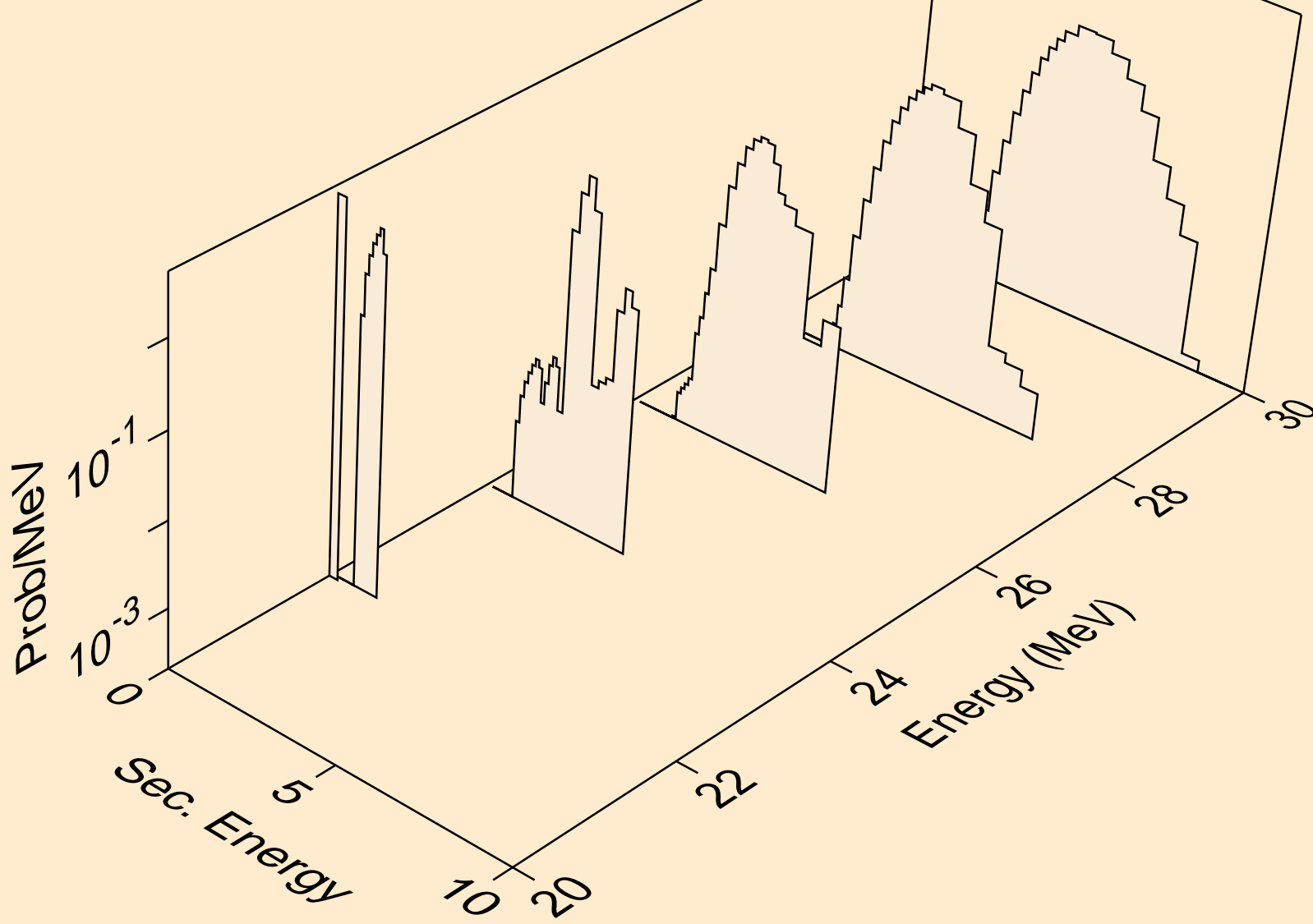
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protons from (n,n\*)p



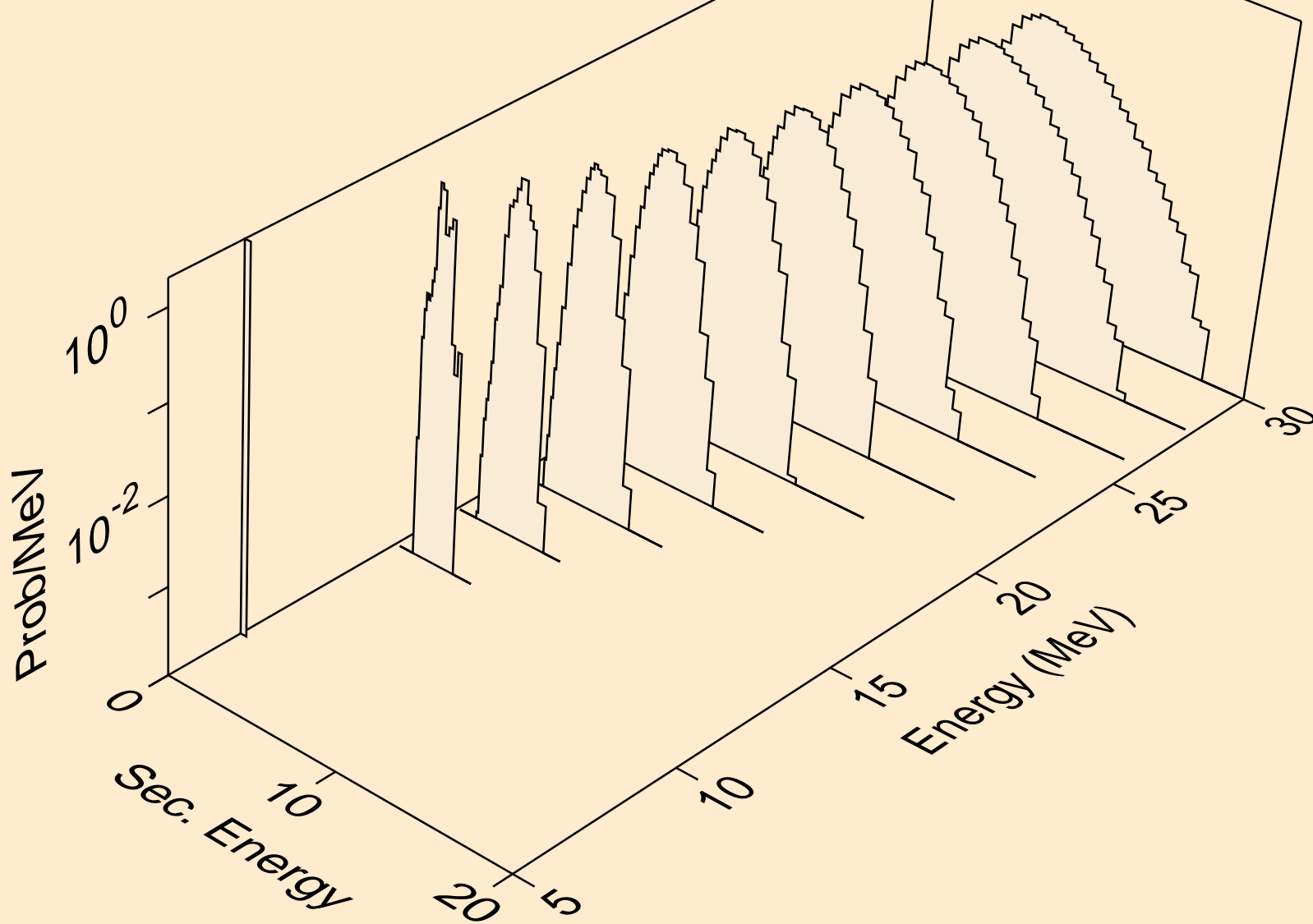
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protons from (n,2np)



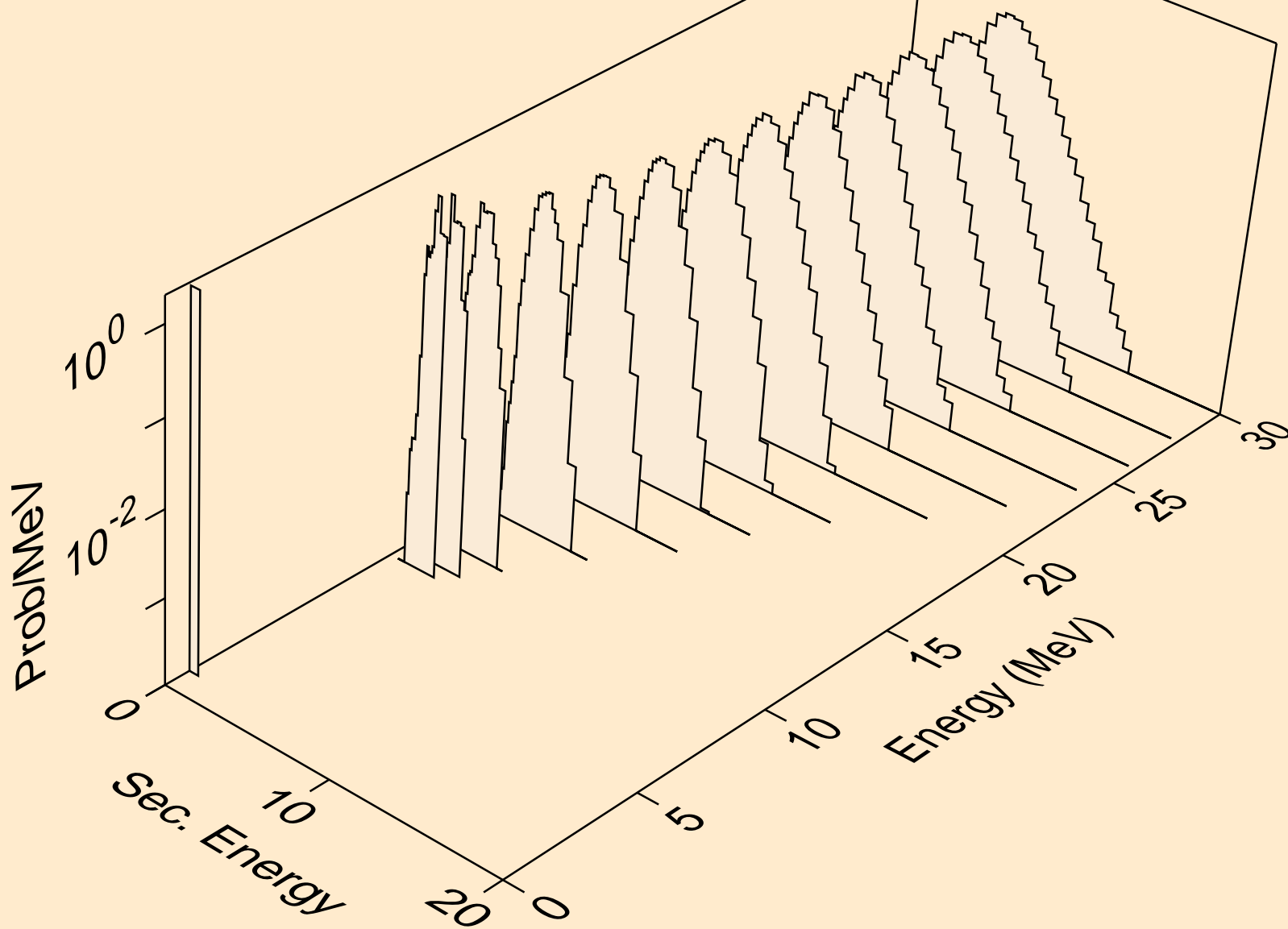
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protons from (n,3np)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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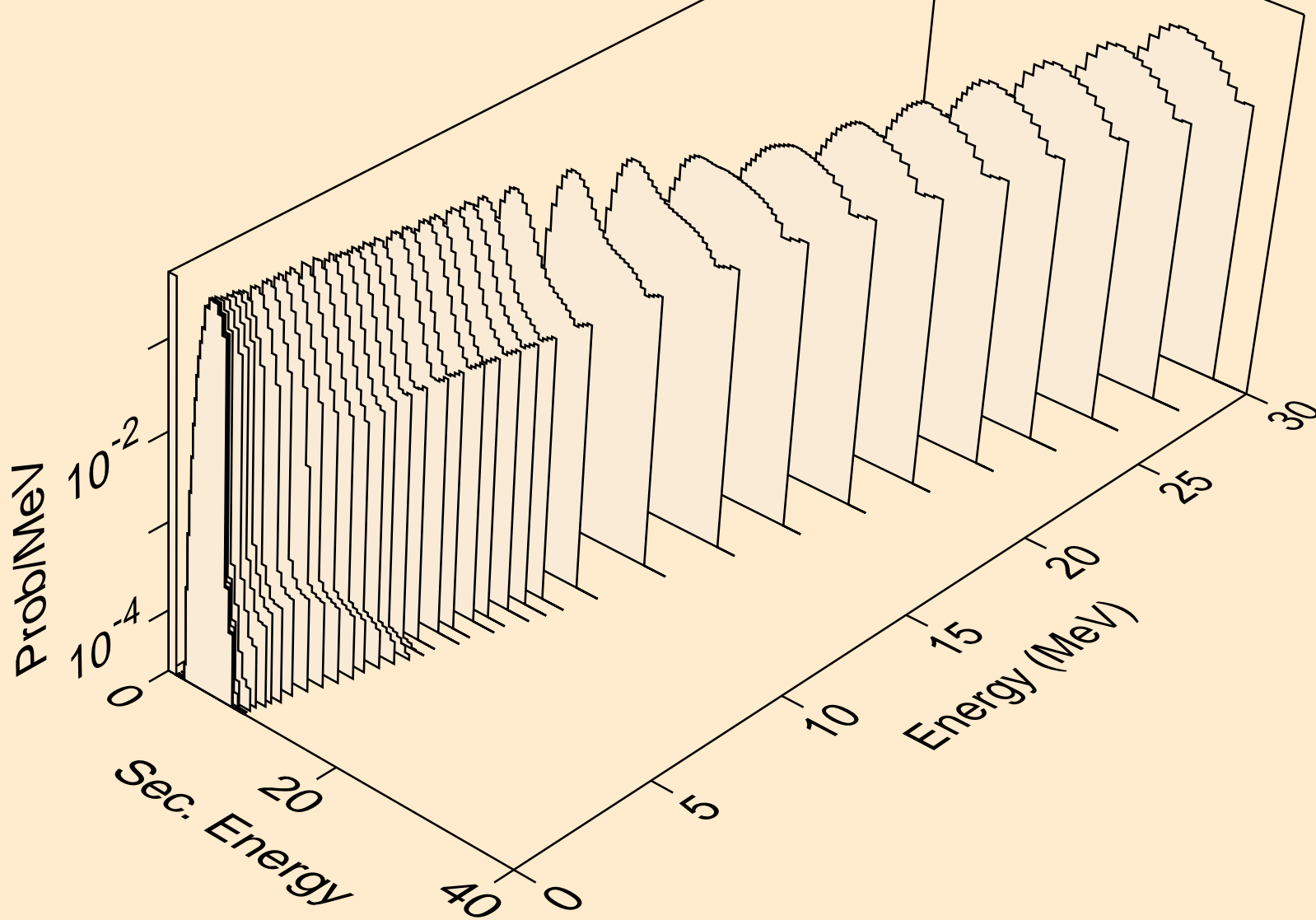


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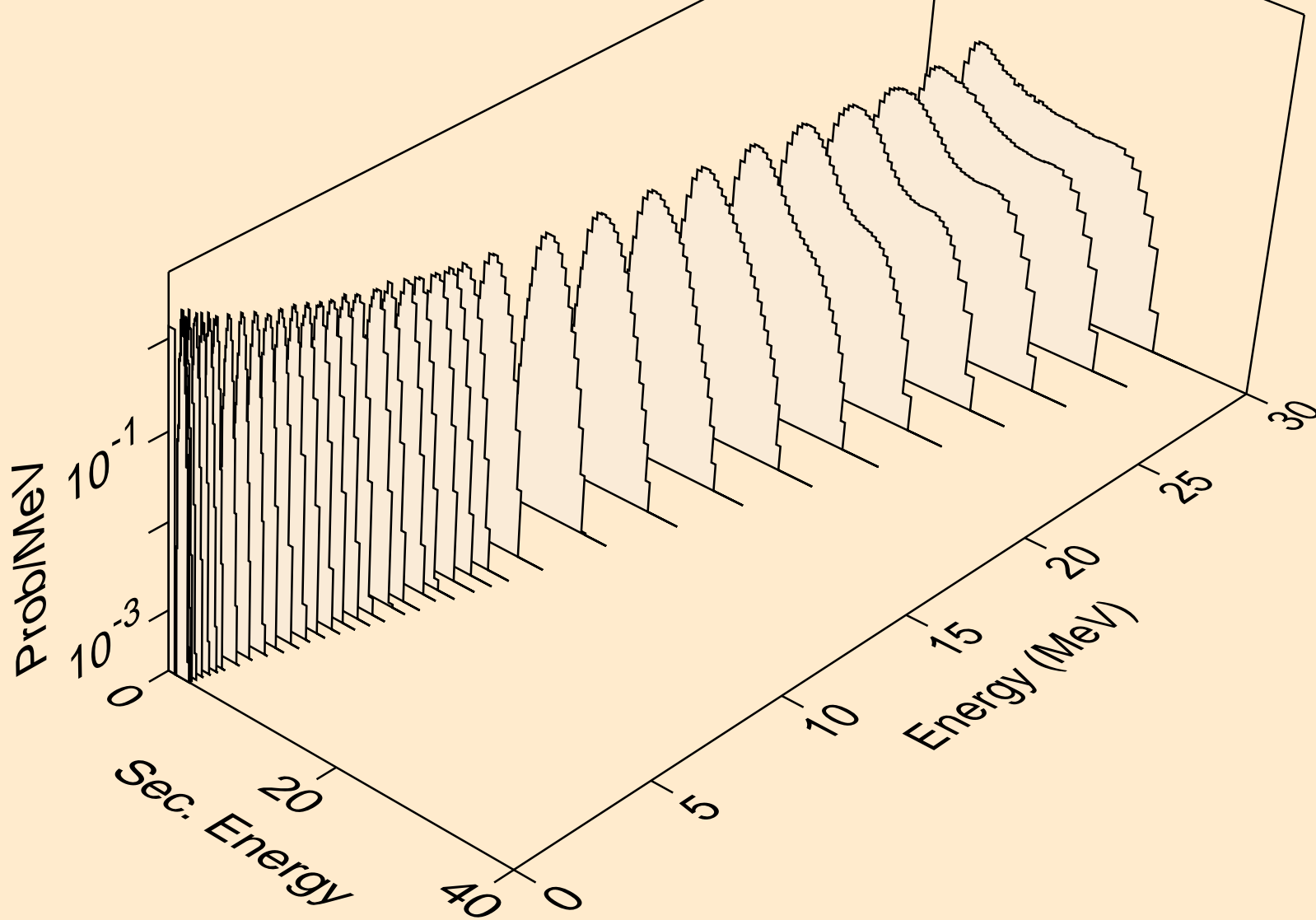




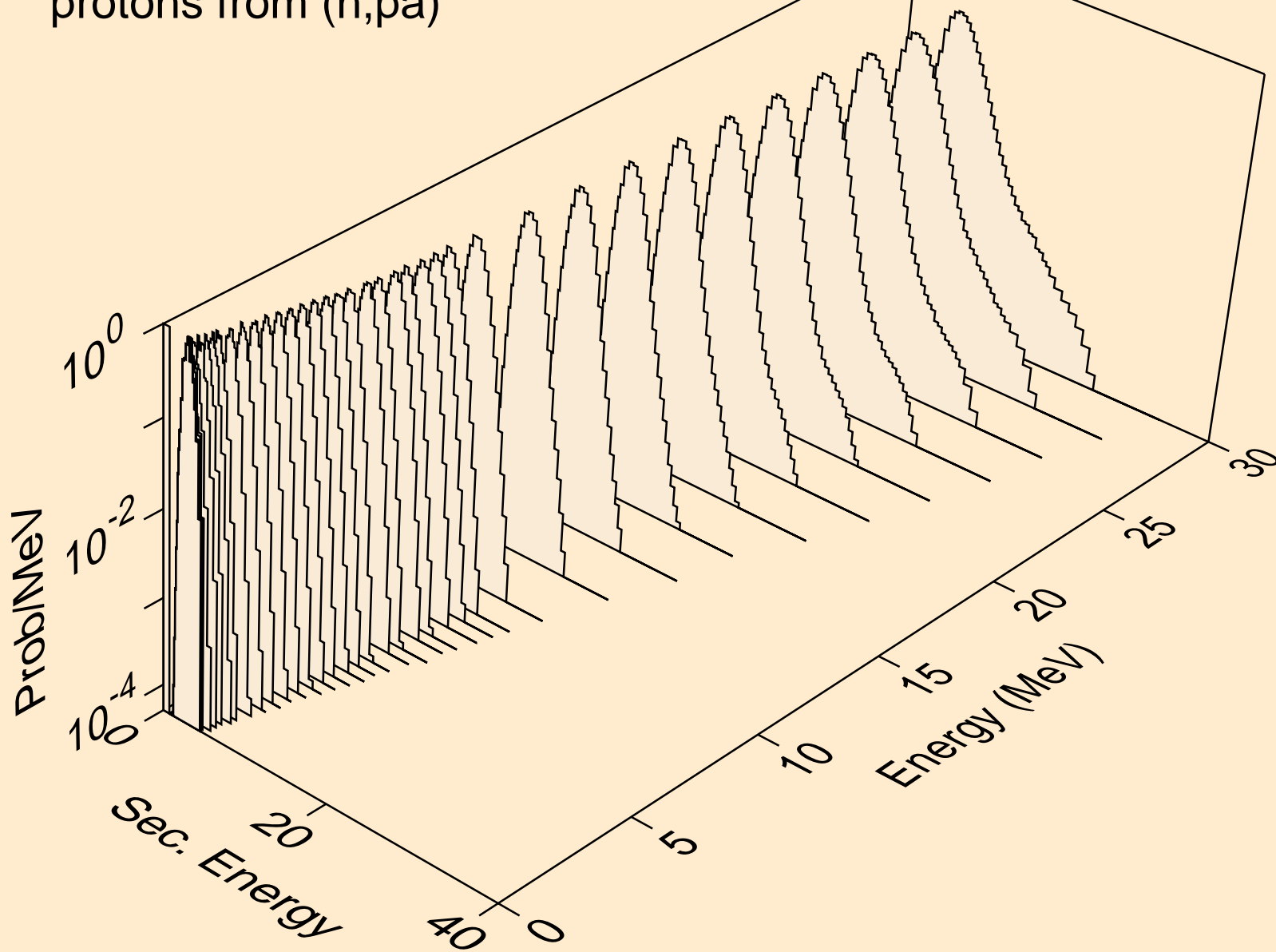
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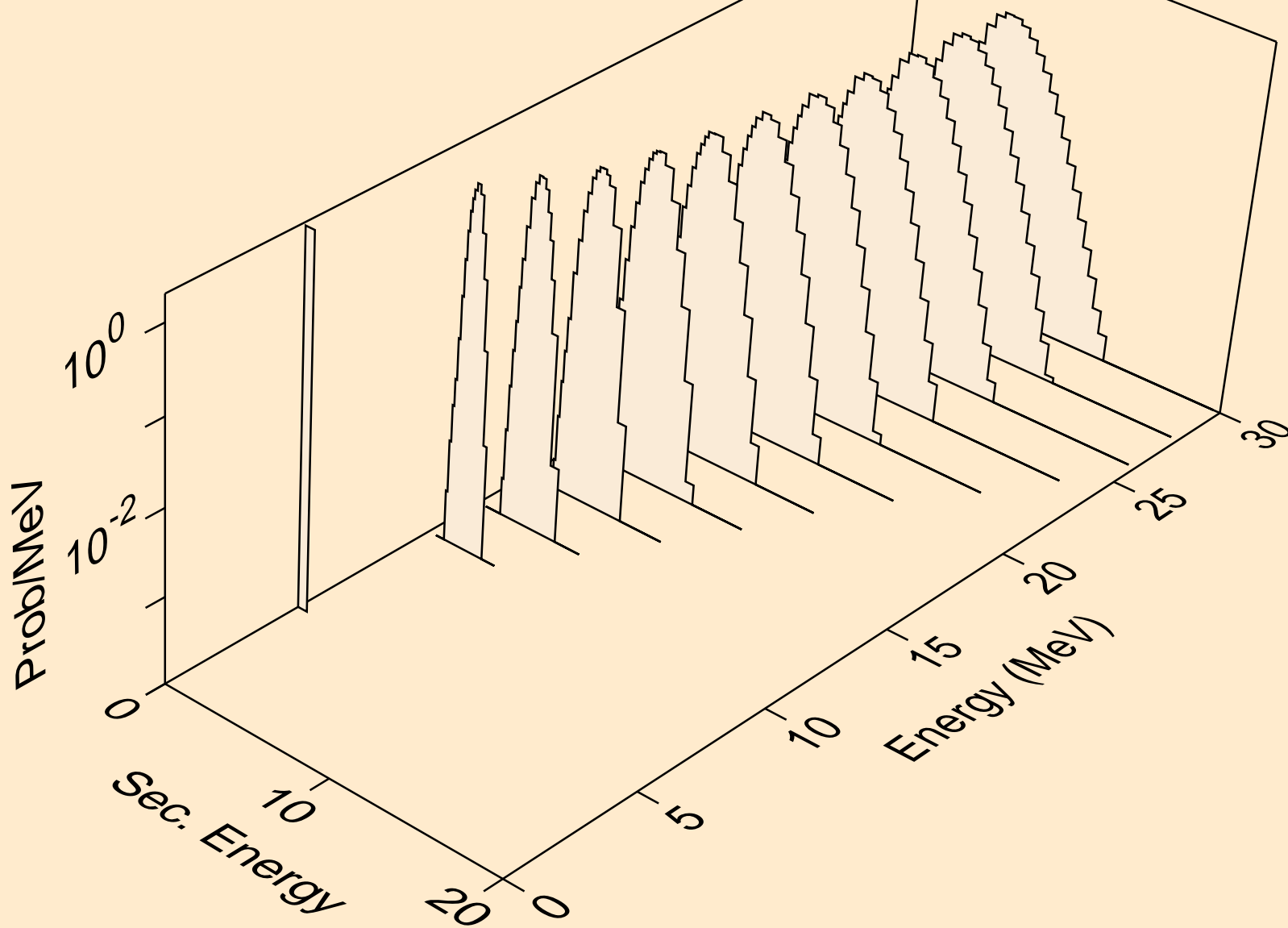
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protons from (n,2p)



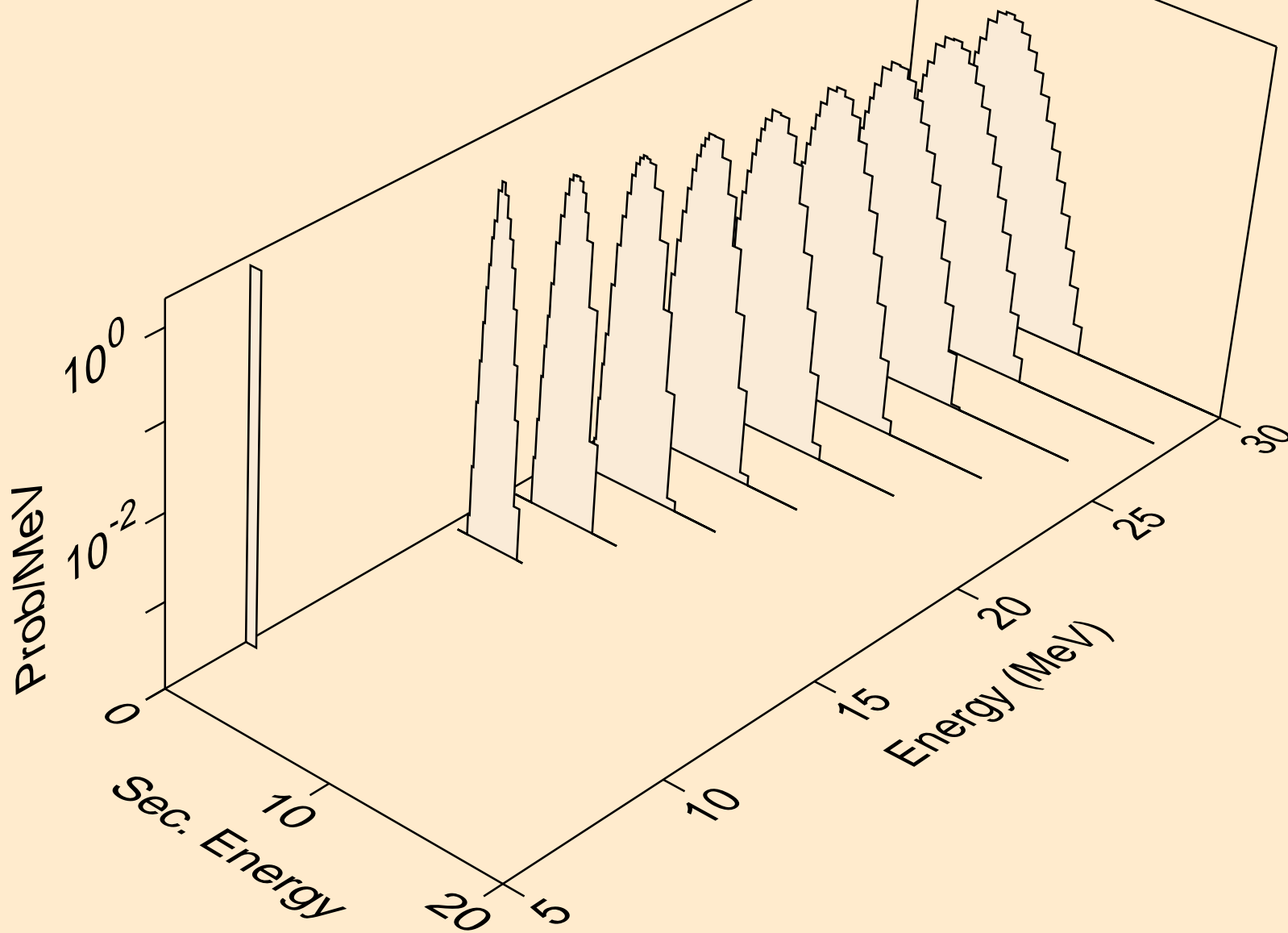
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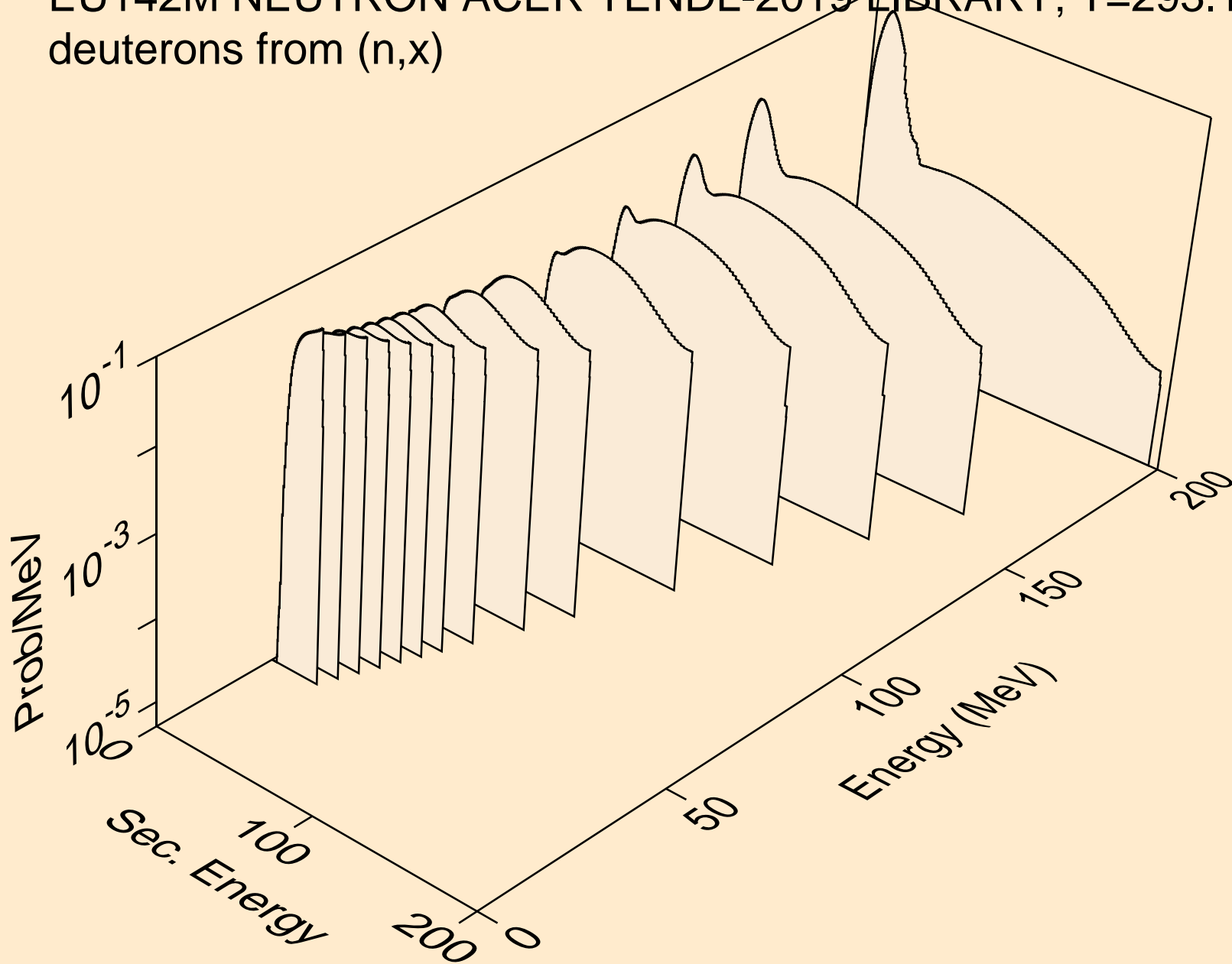
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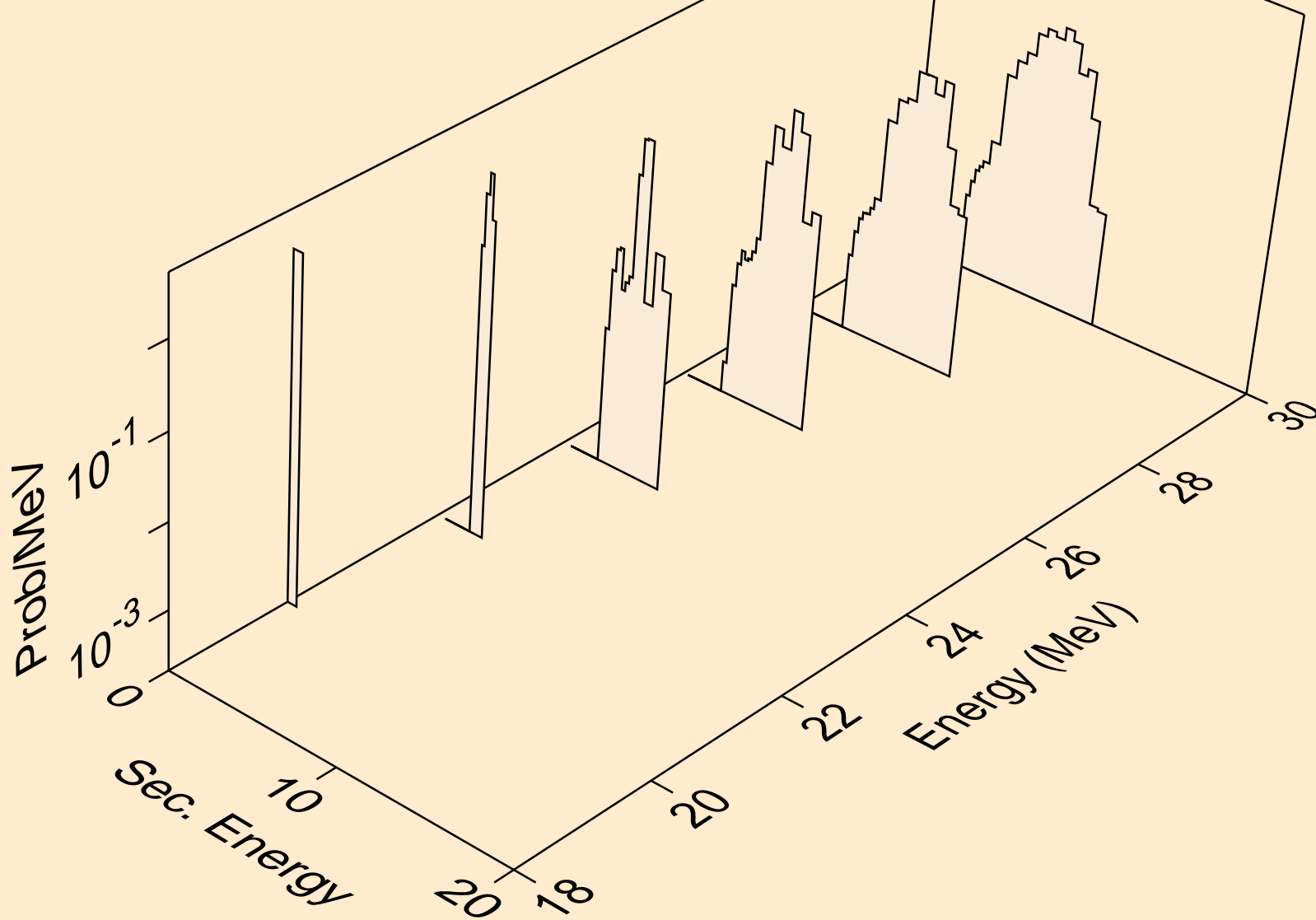
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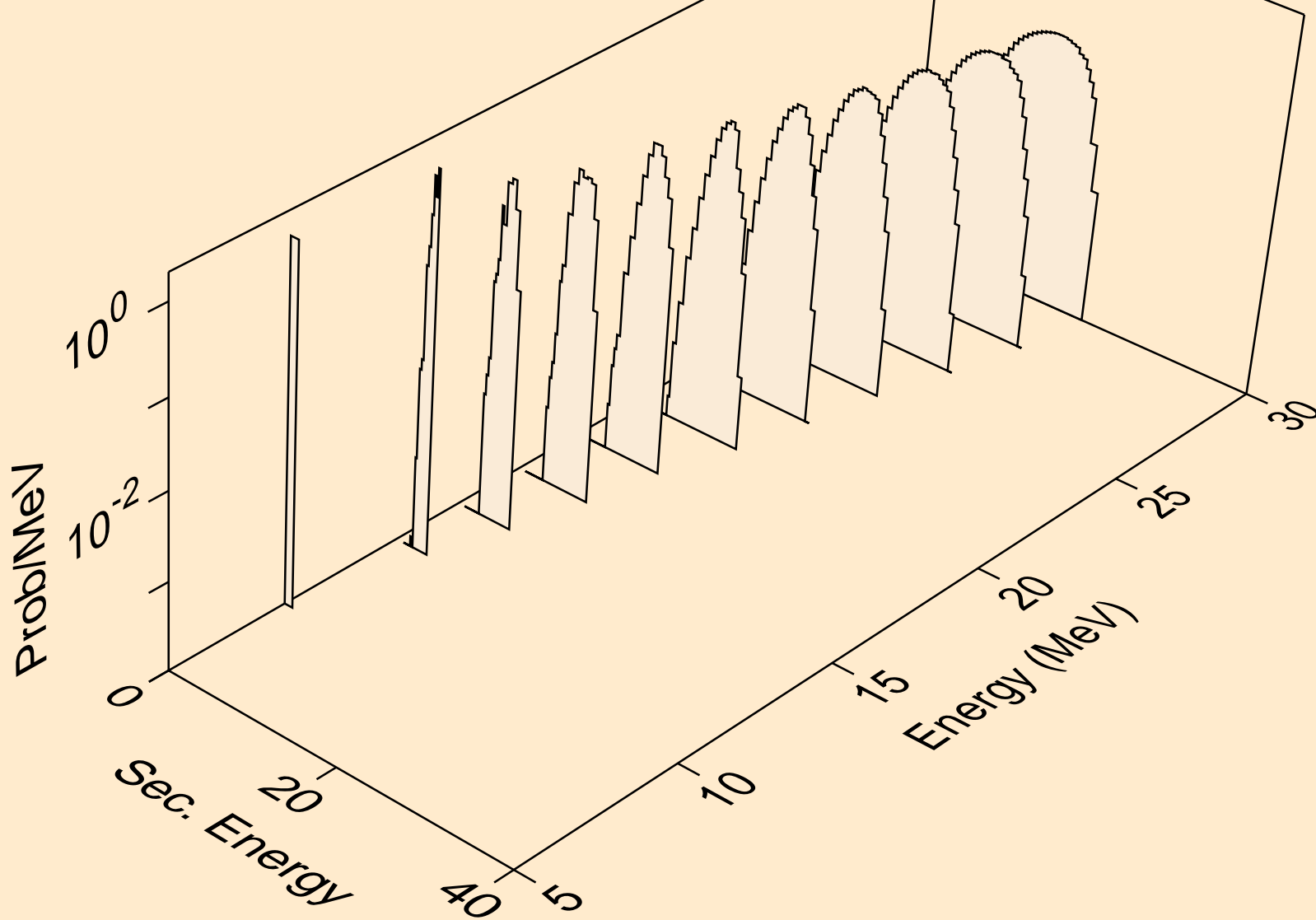
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

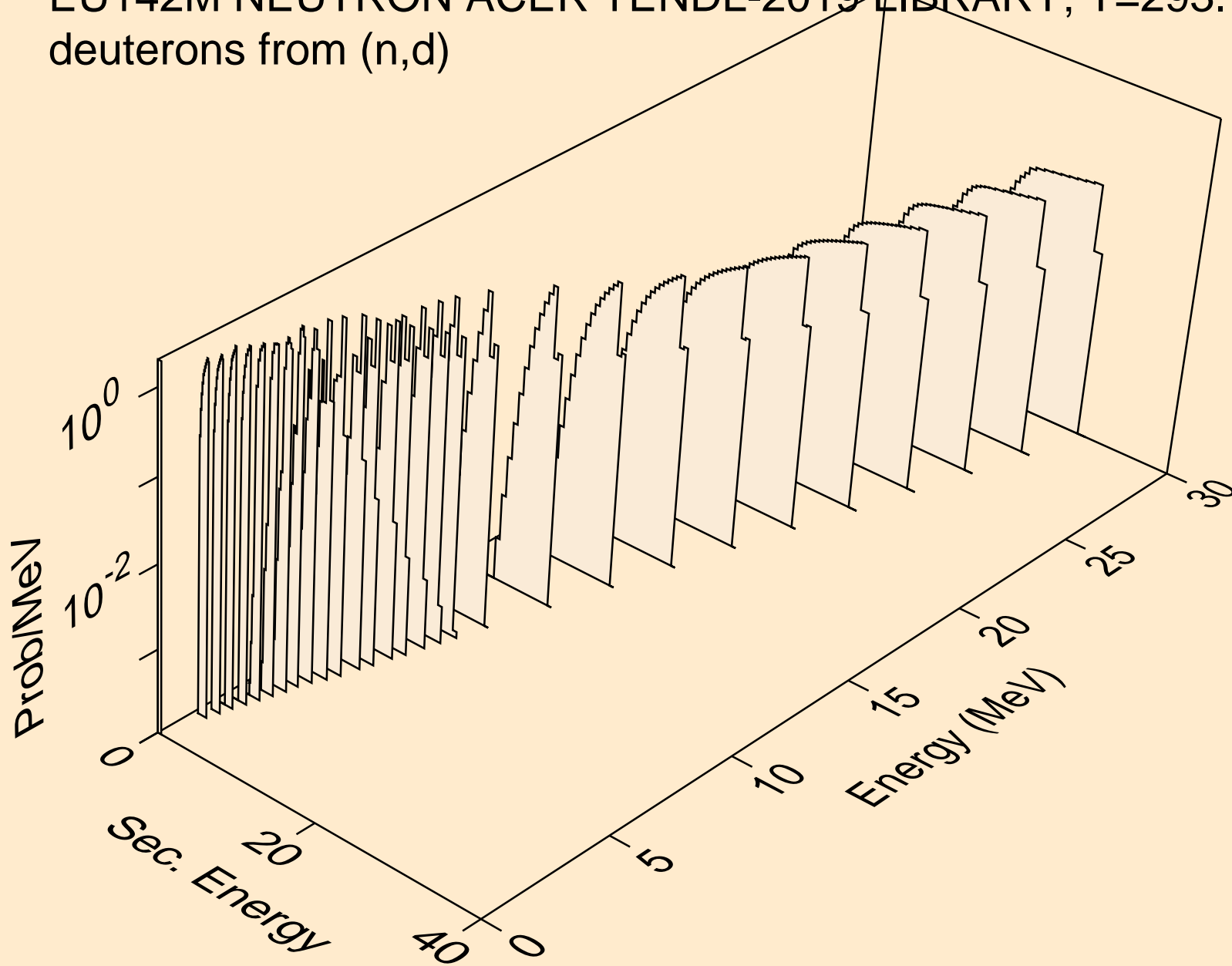


EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

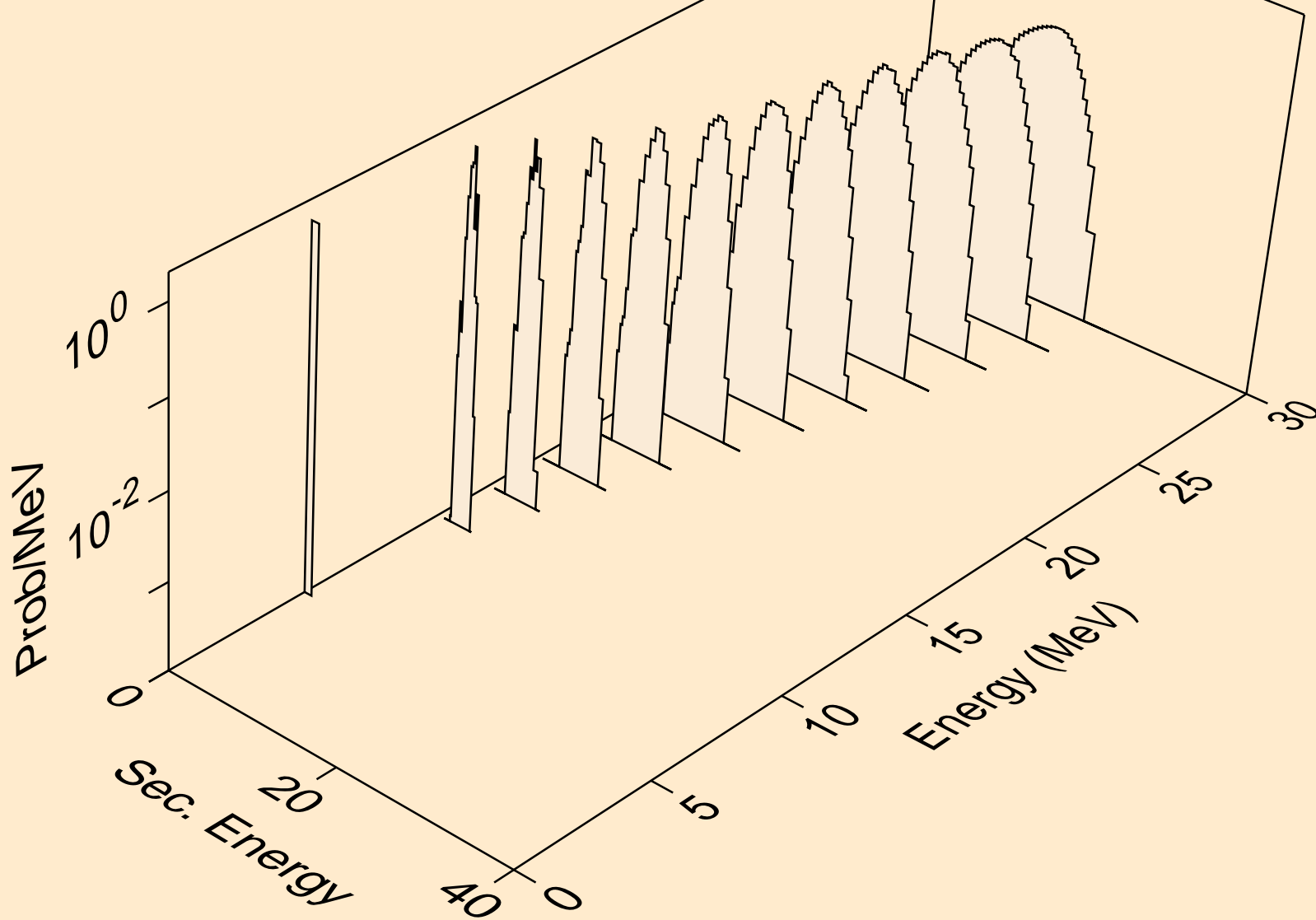




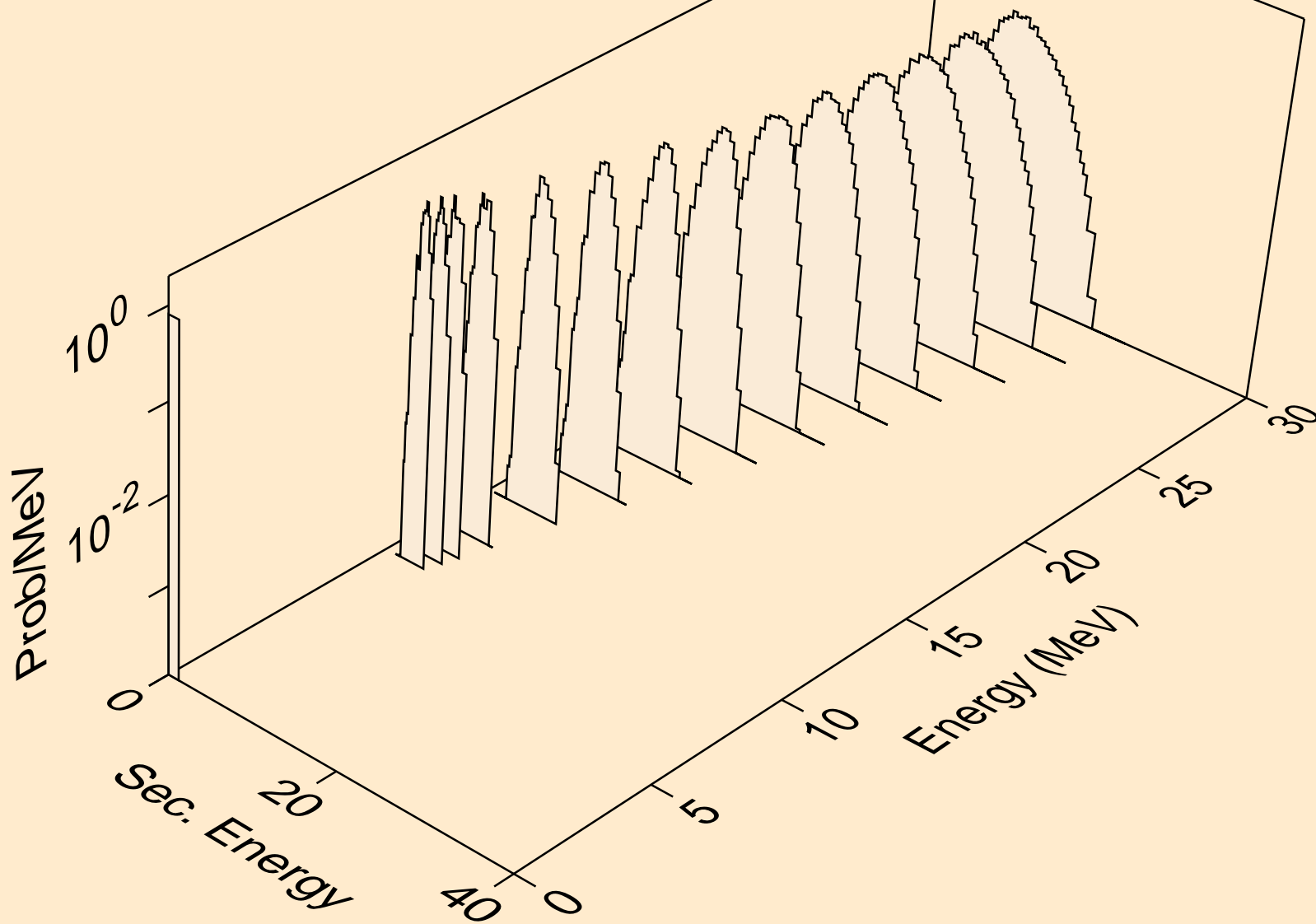
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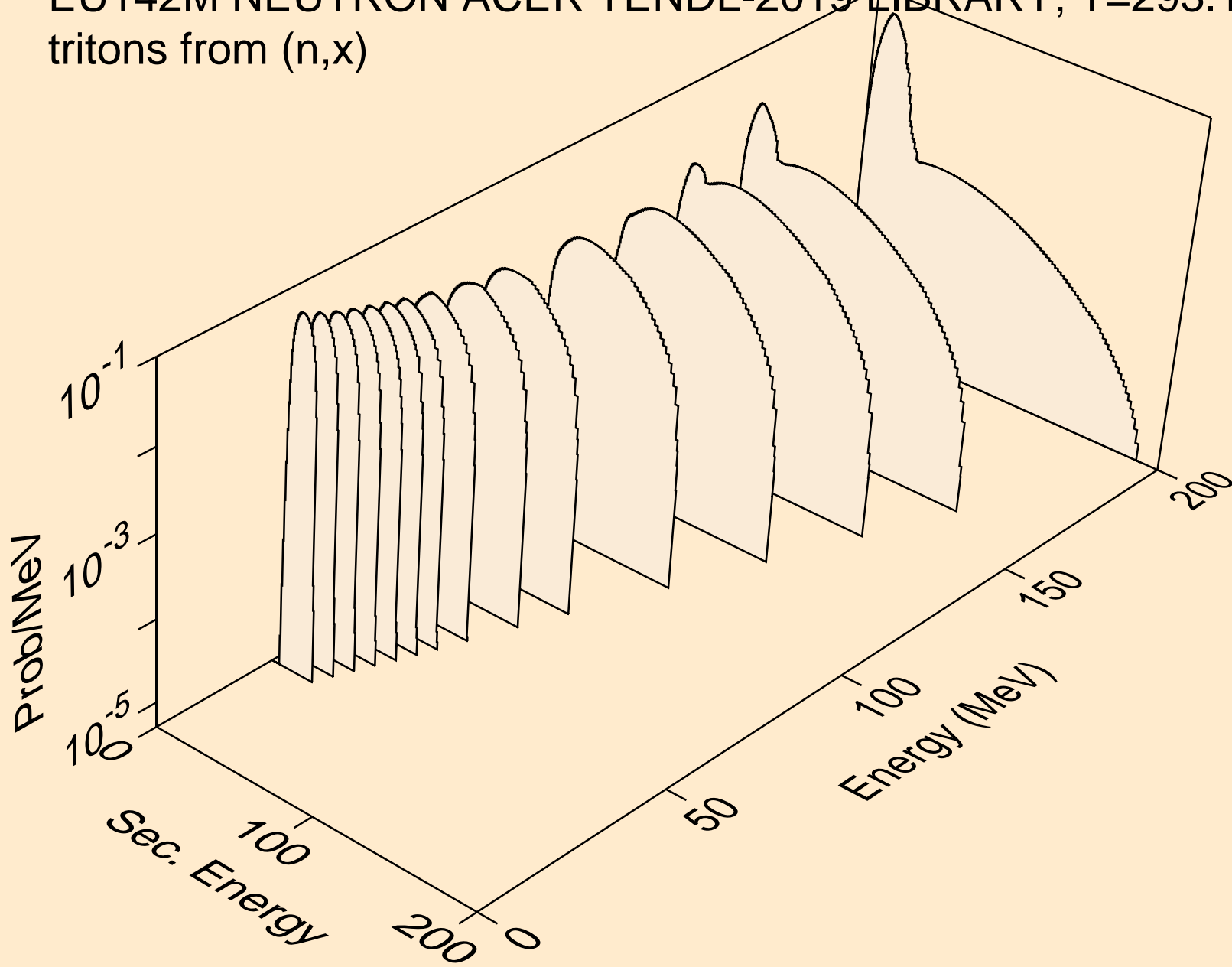
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deuterons from (n,pd)



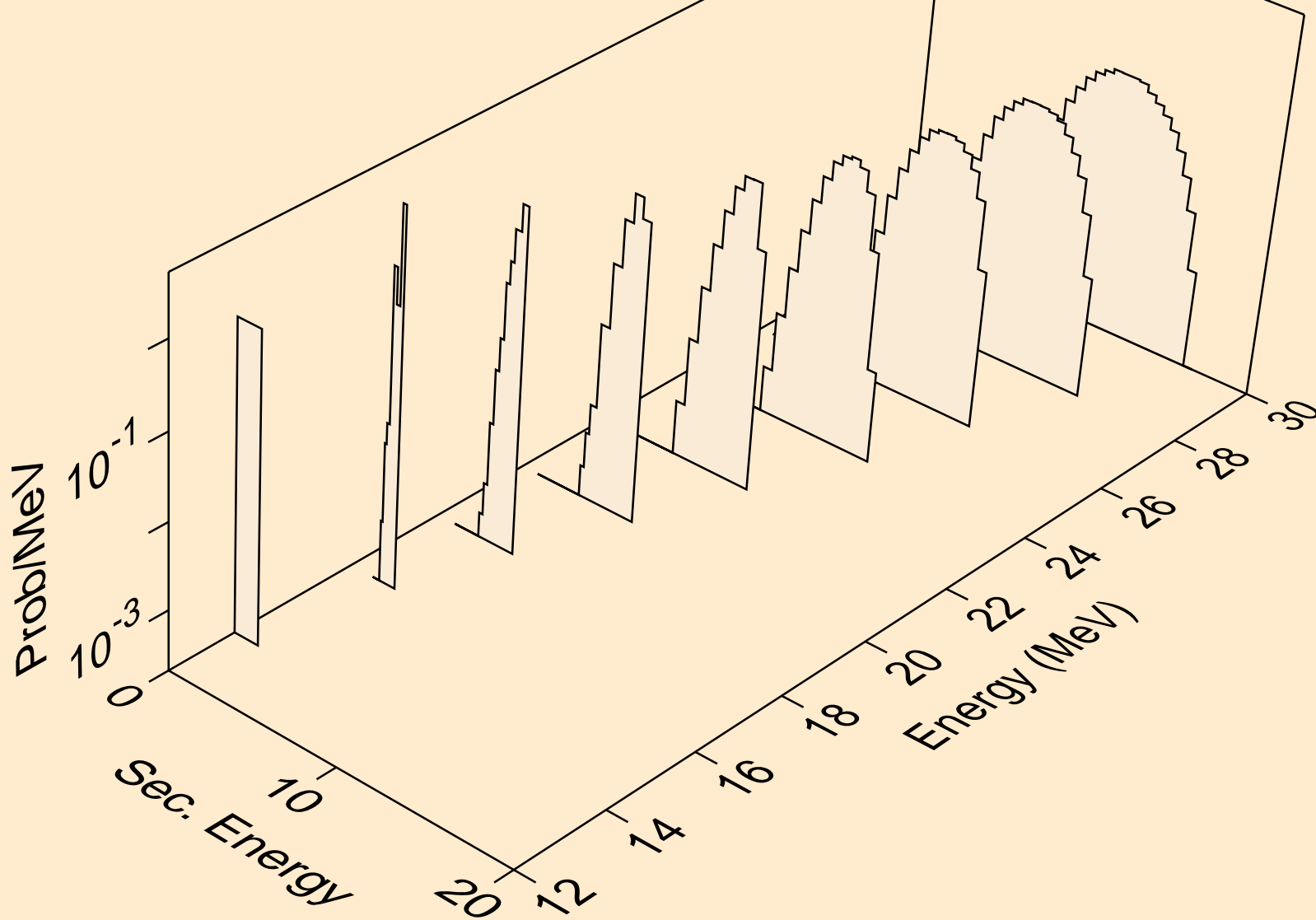
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deuterons from (n,da)



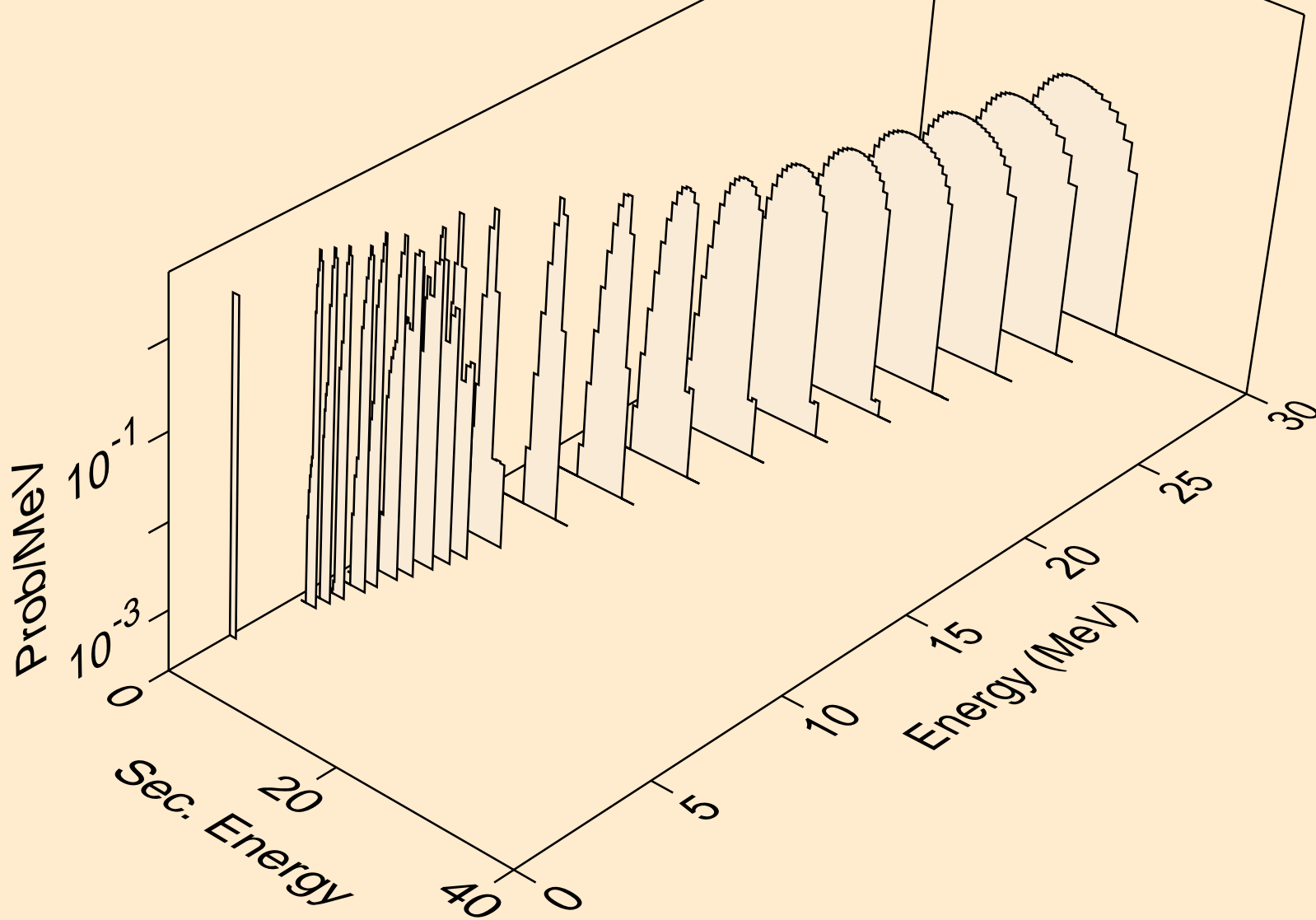
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tritons from (n,x)



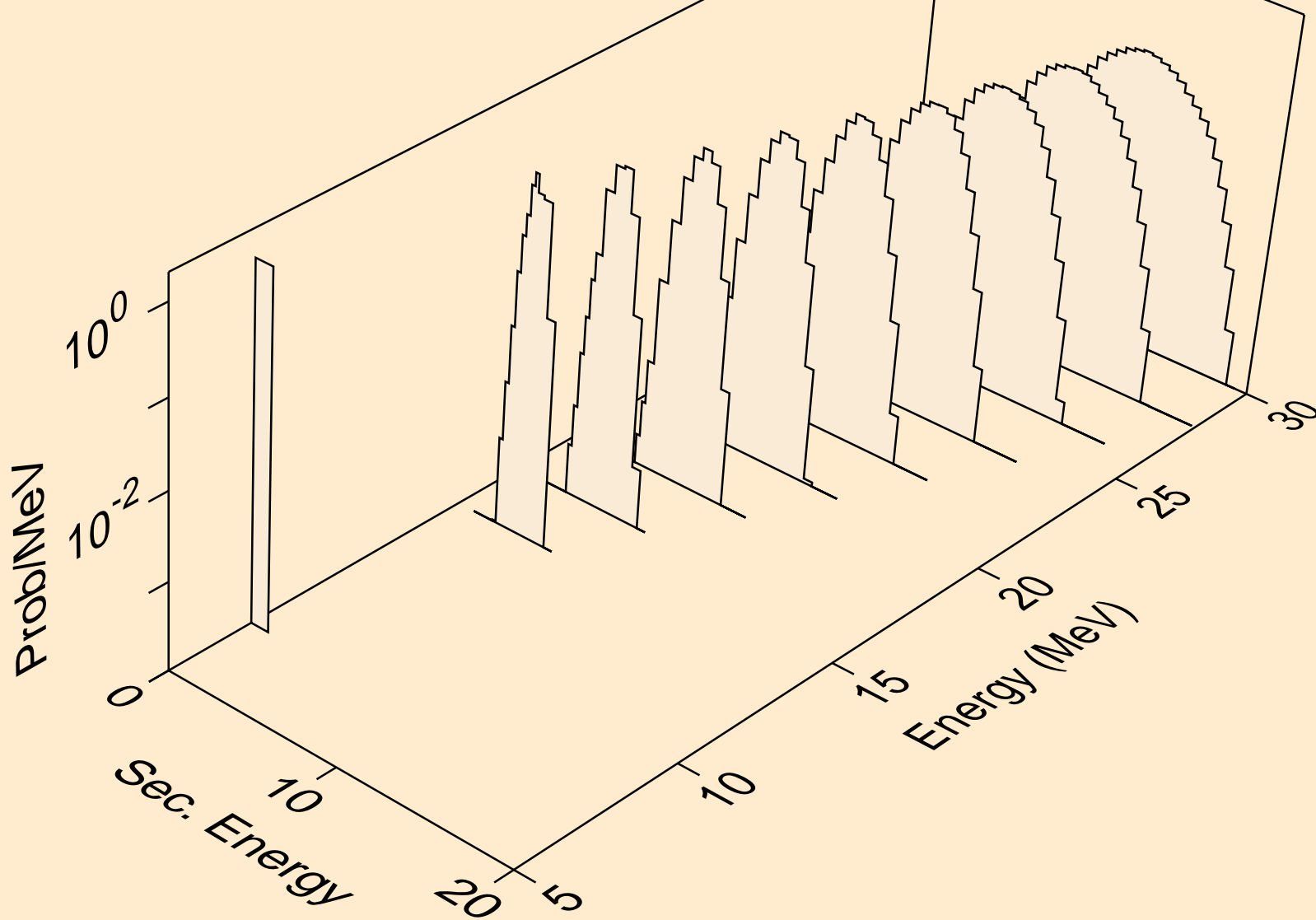
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



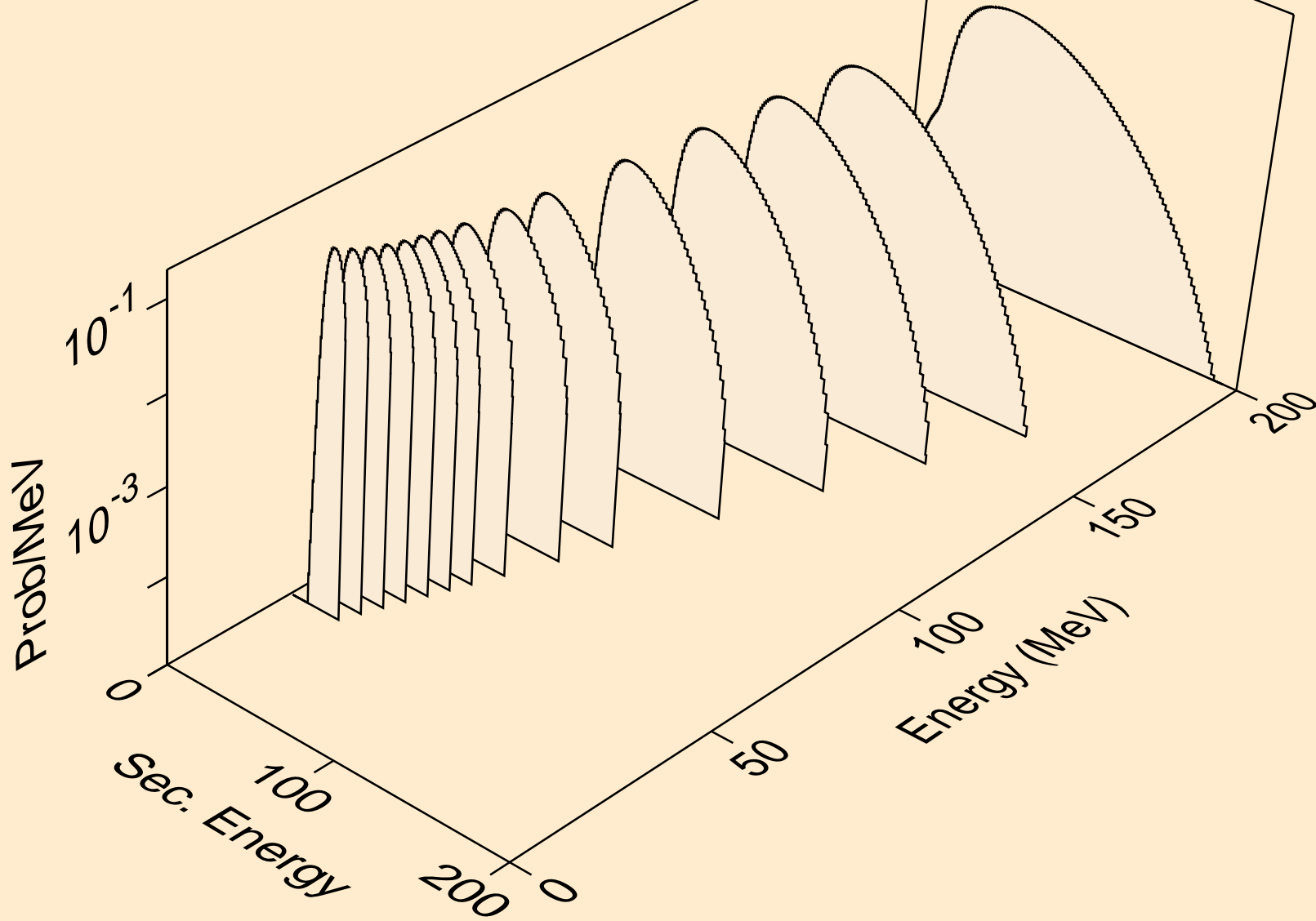
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

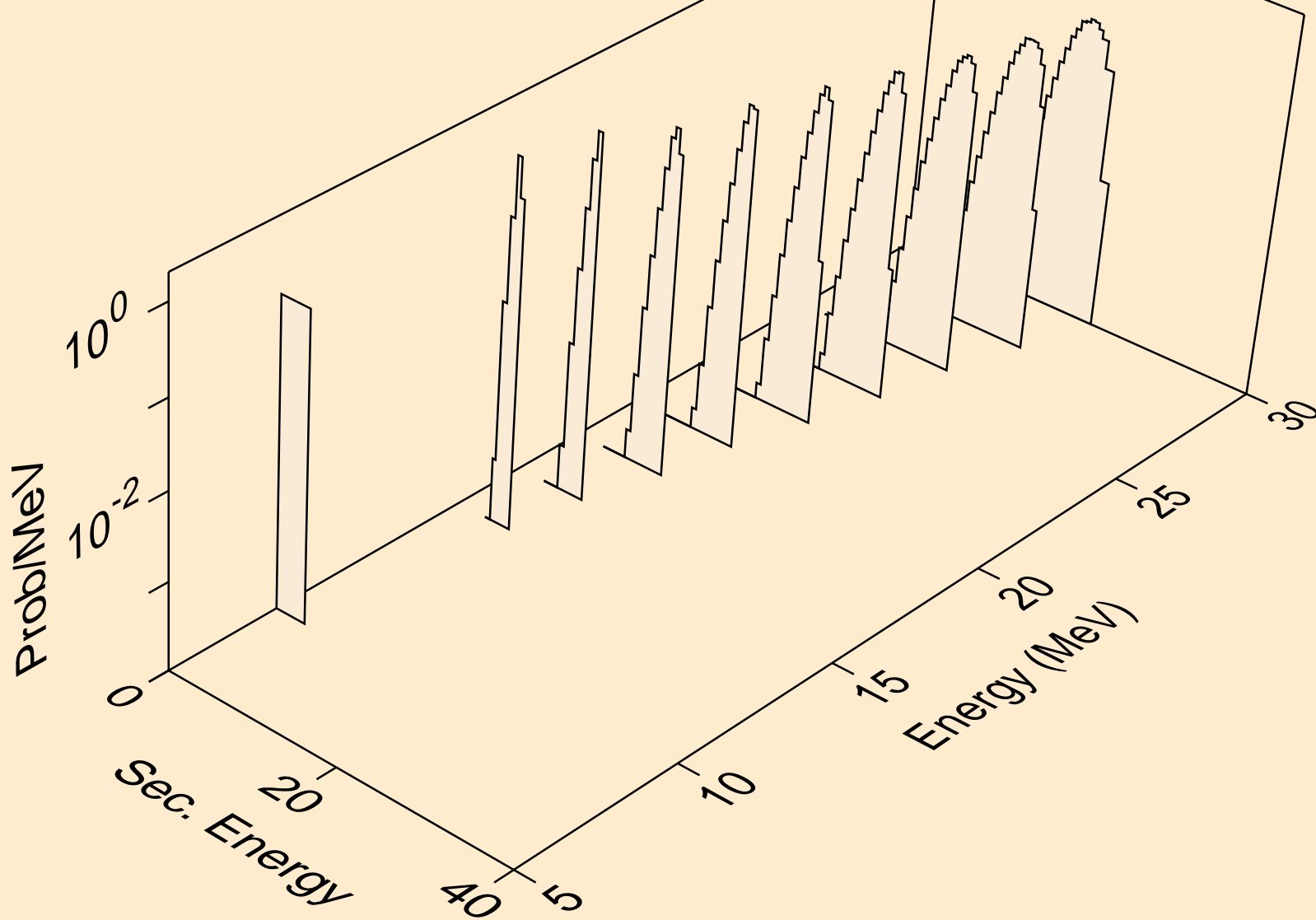


EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

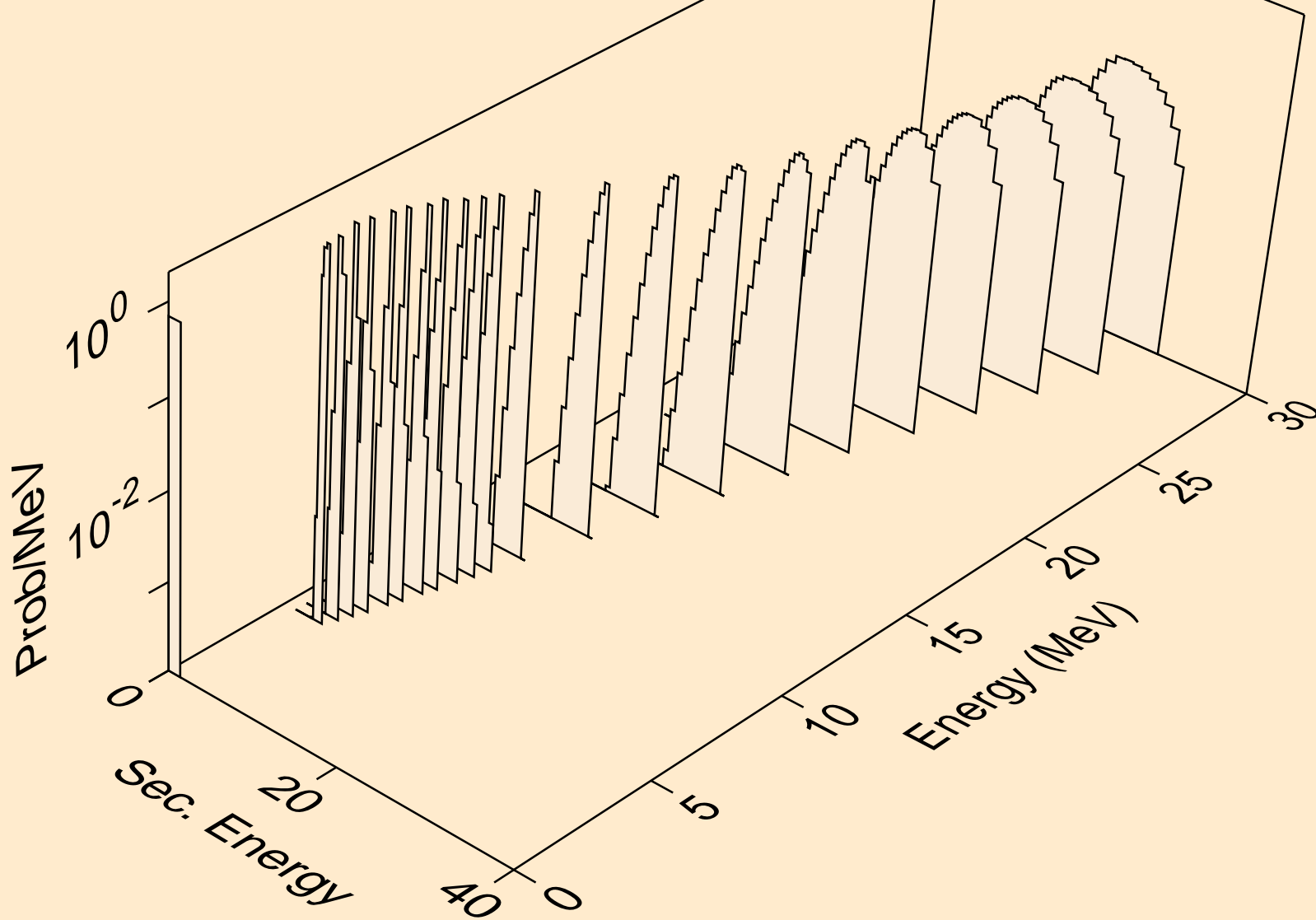




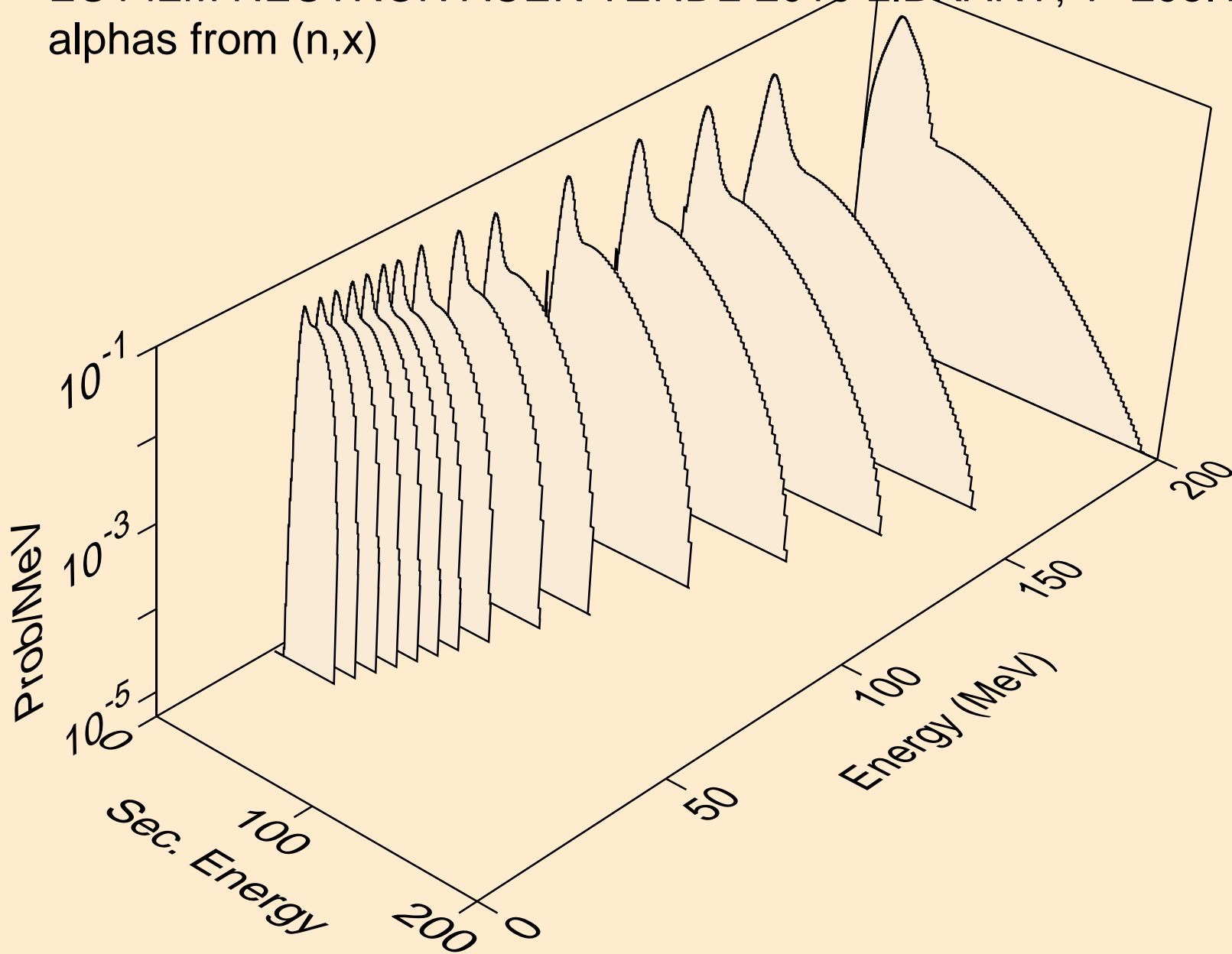
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he3s from (n,n\*)he3



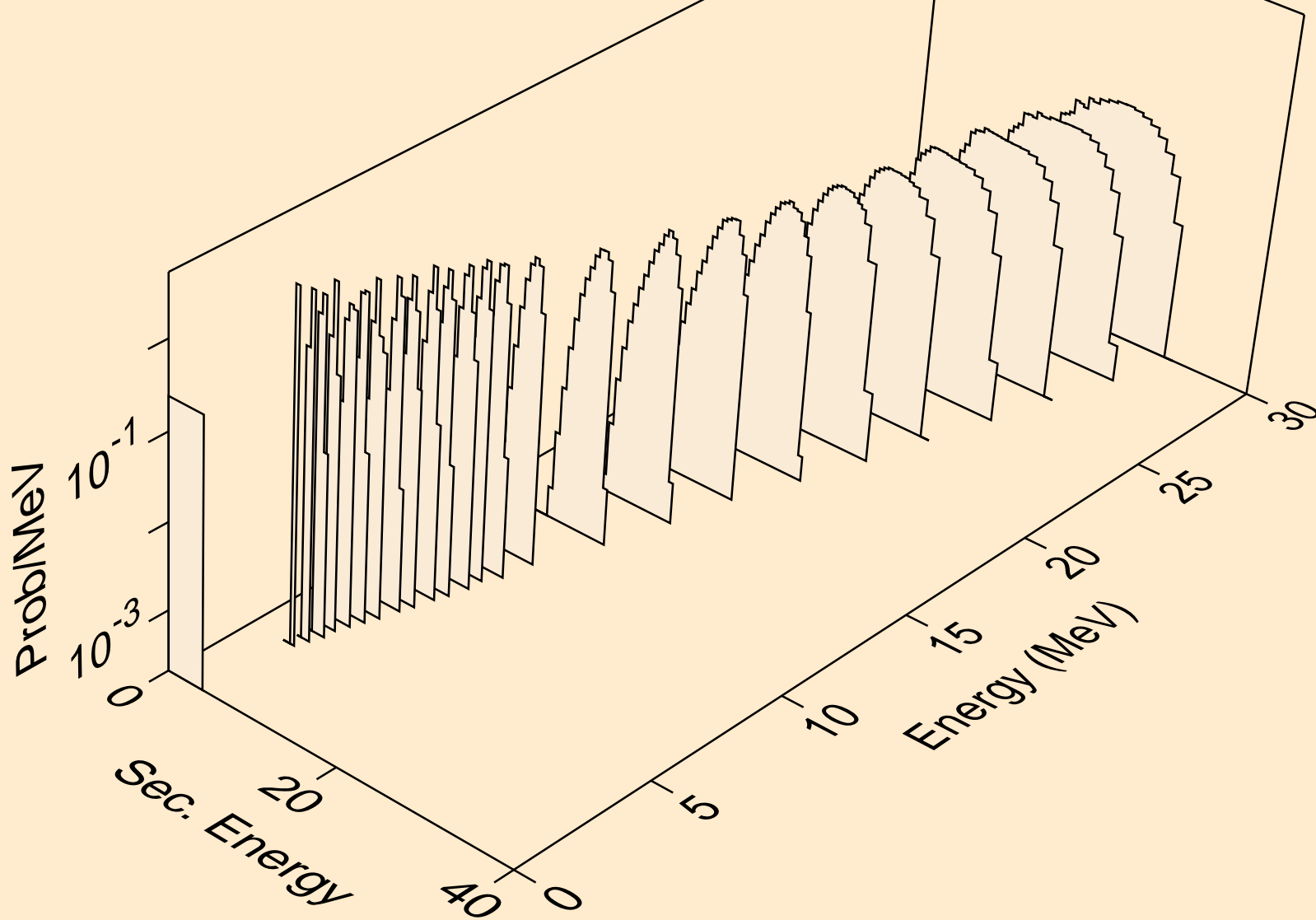
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he3s from (n,he3)



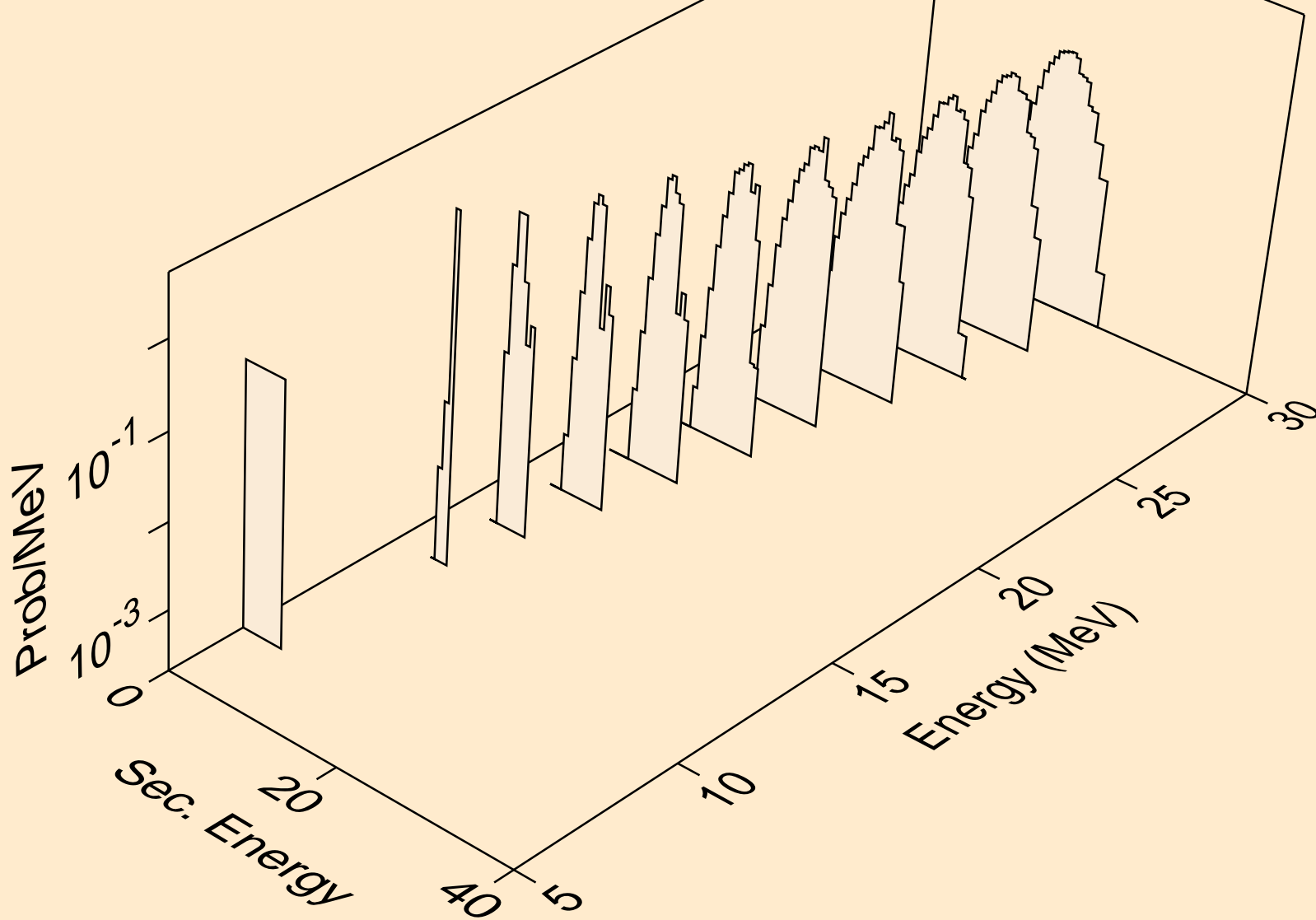
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alphas from (n,x)



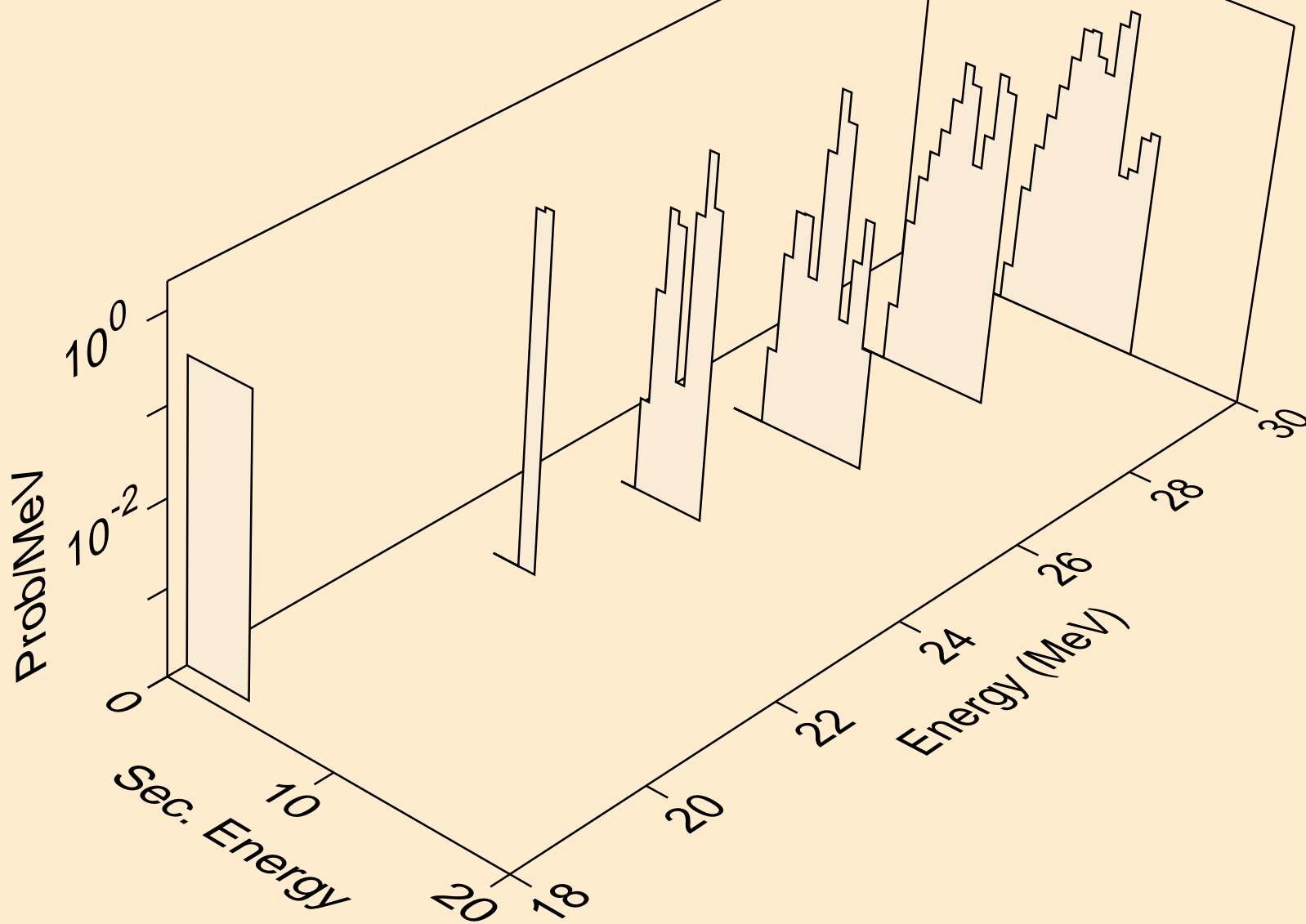
EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



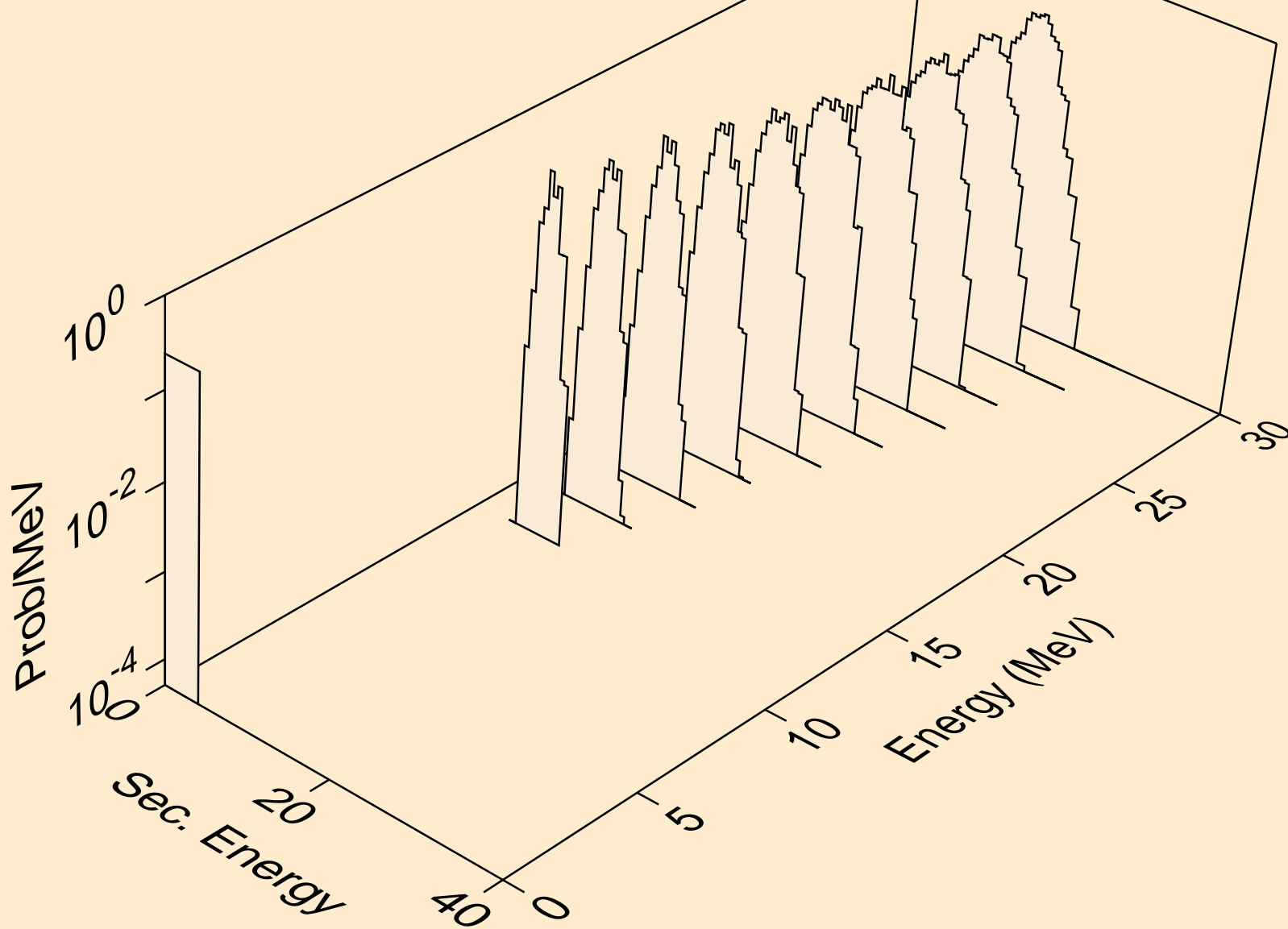
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alphas from (n,2n)a



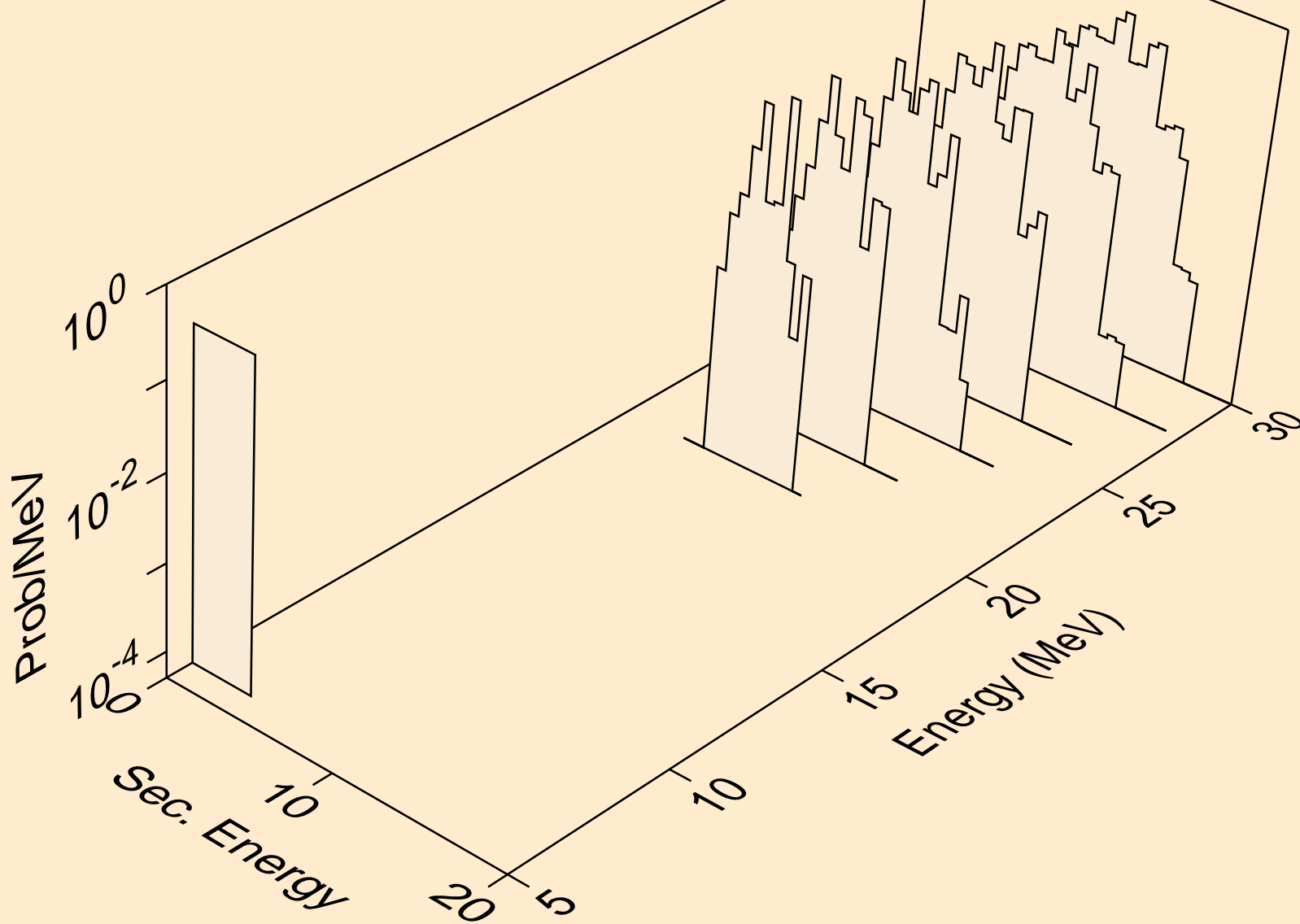
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alphas from (n,3n)a



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

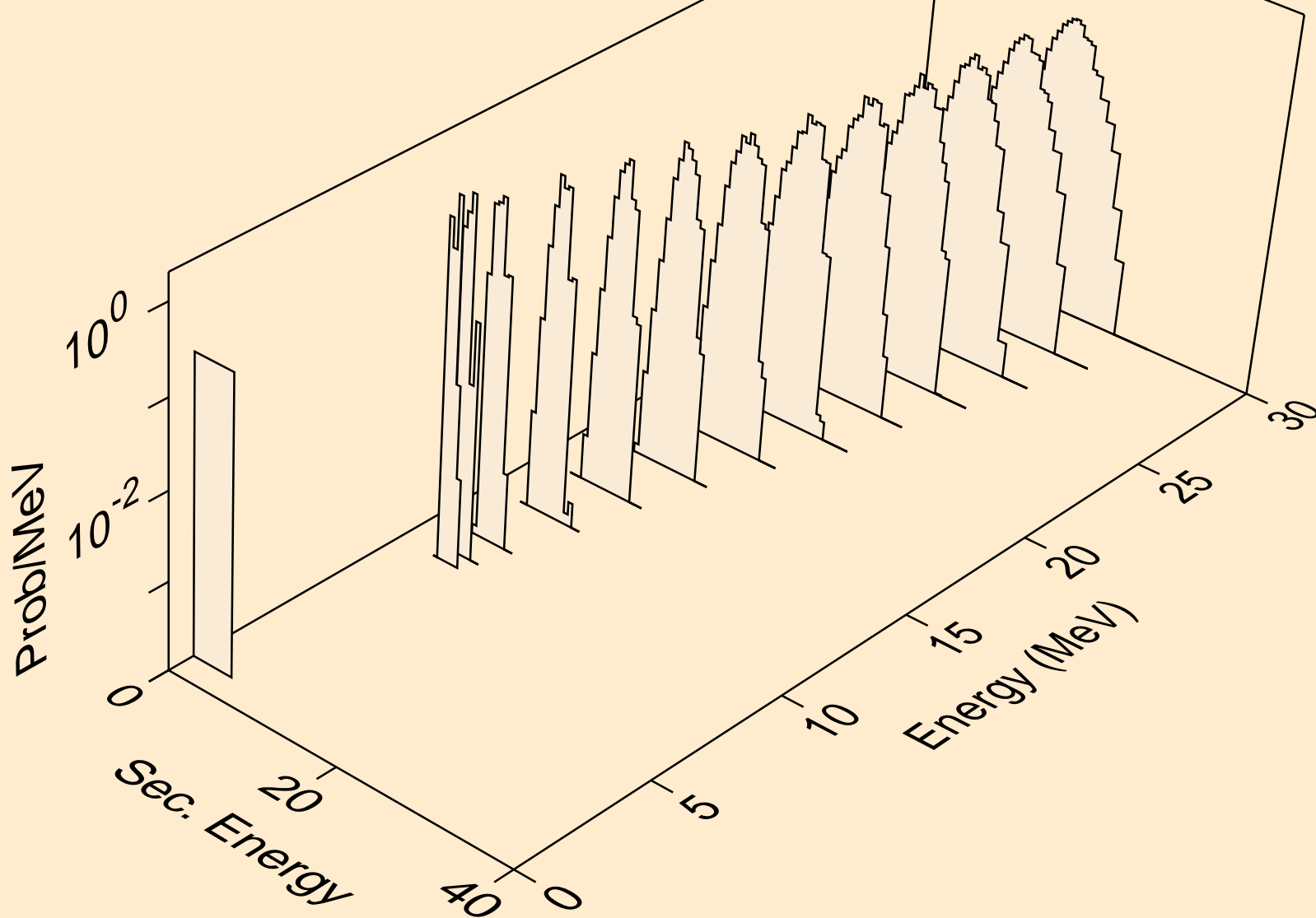


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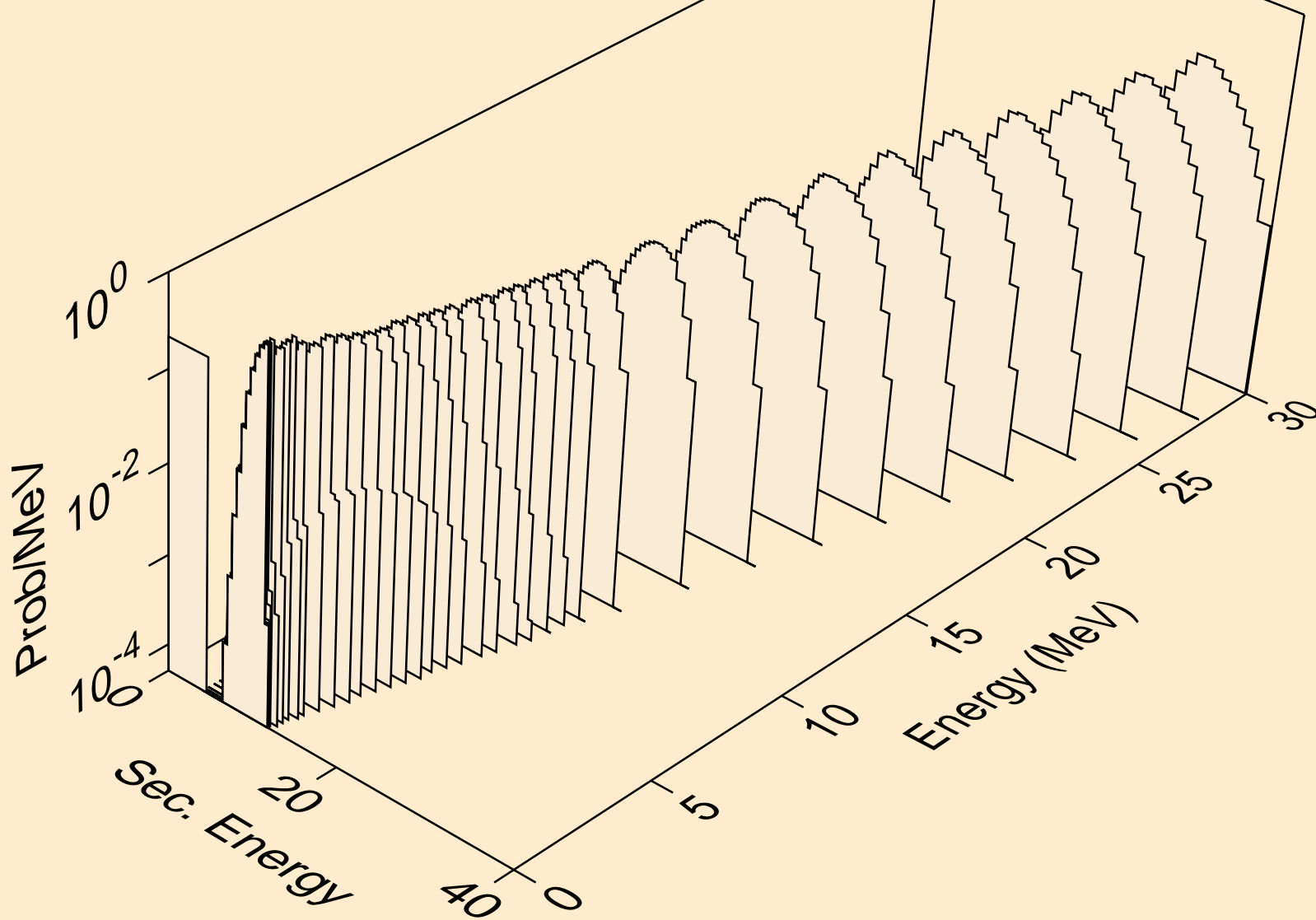




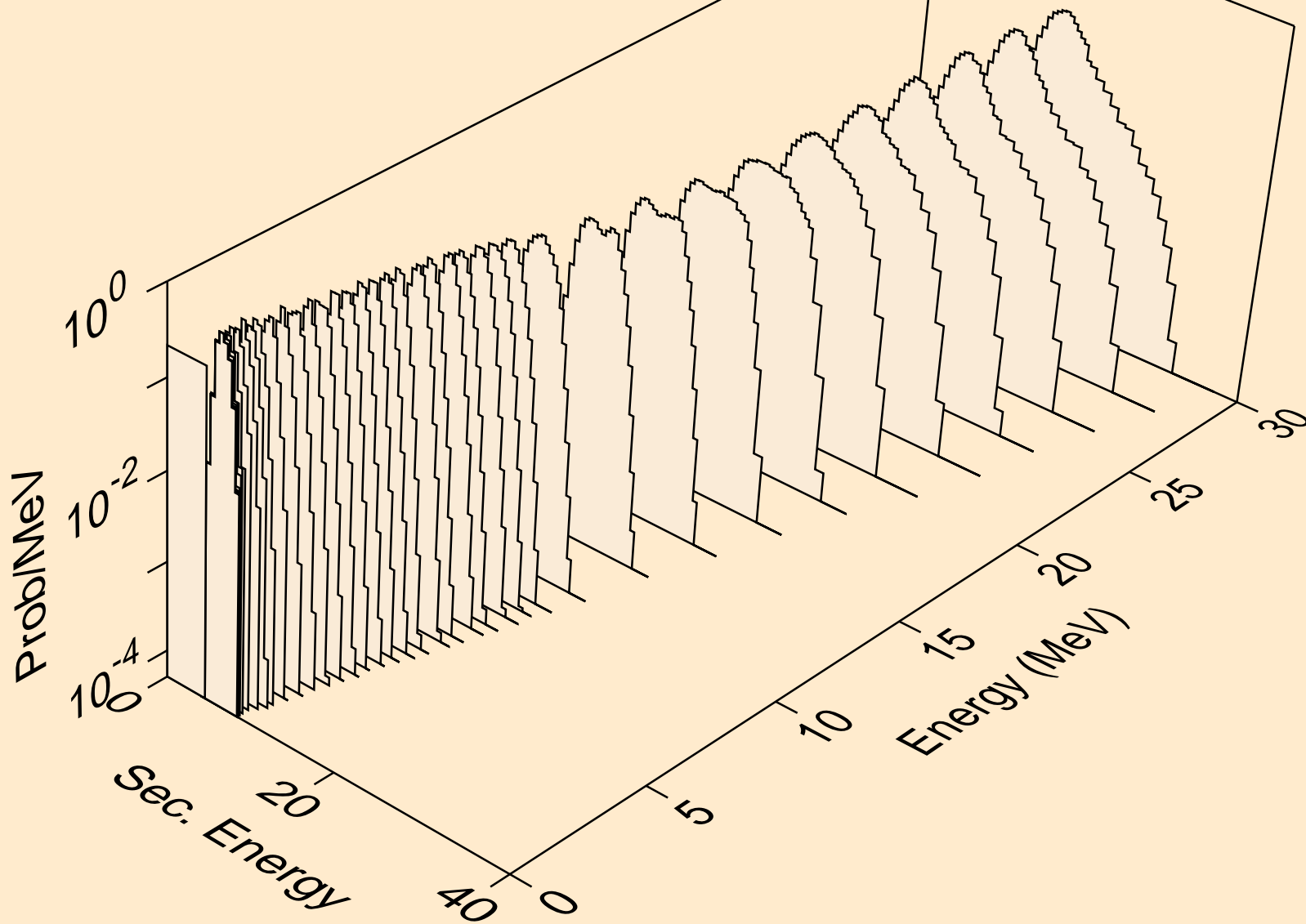
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alphas from (n,npa)



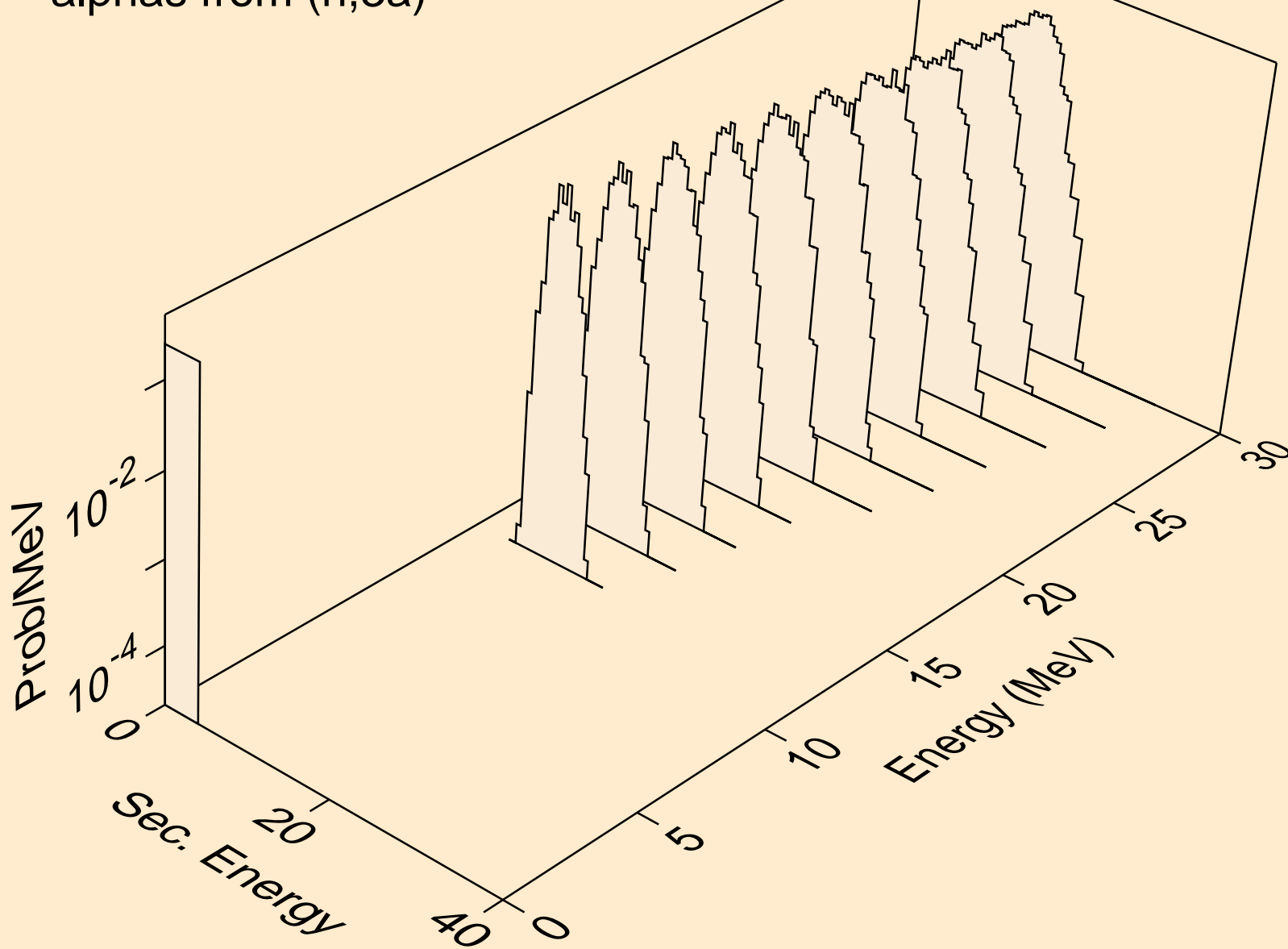
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alphas from (n,a)



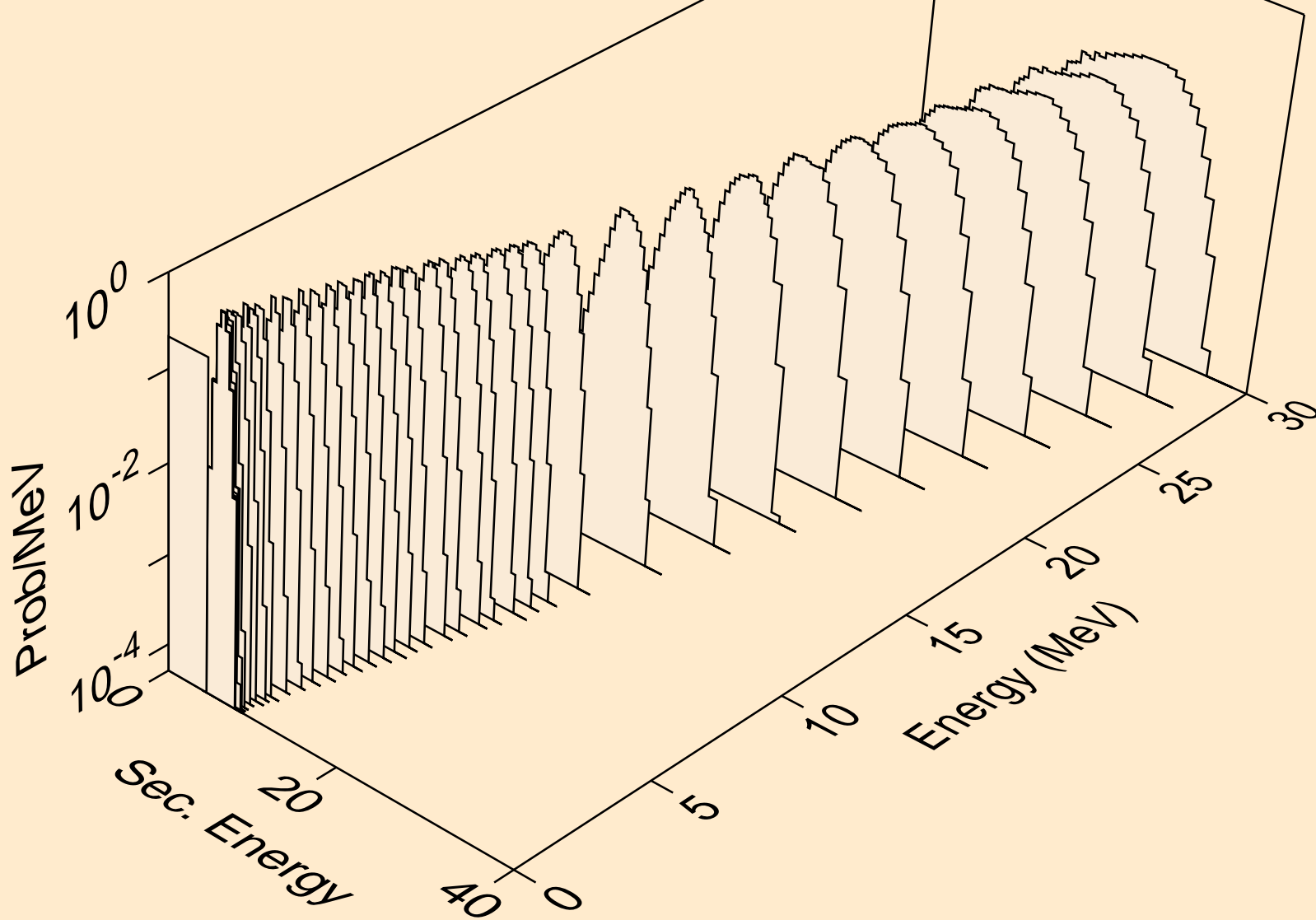
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alphas from (n,2a)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



EU142M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

