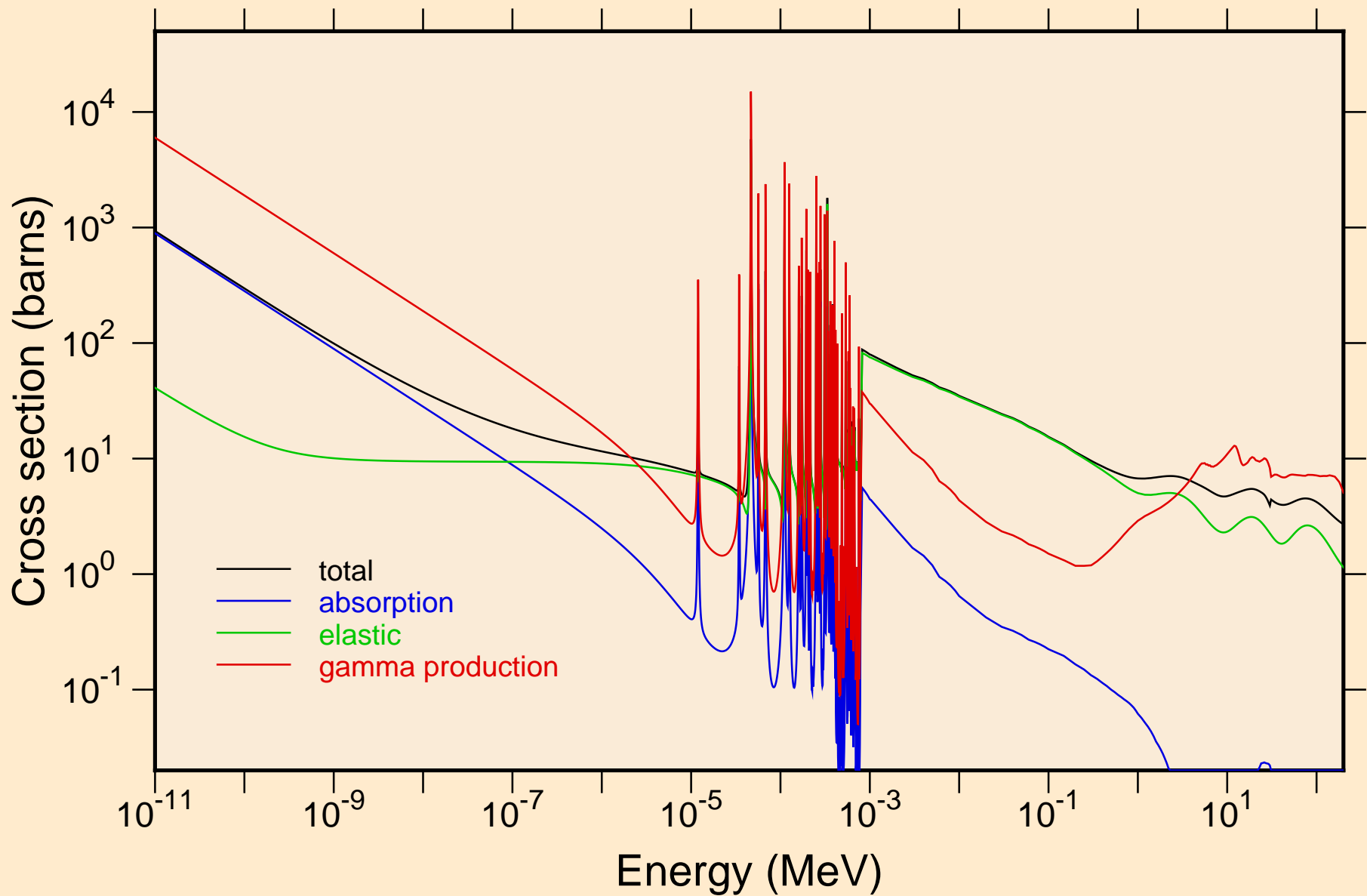
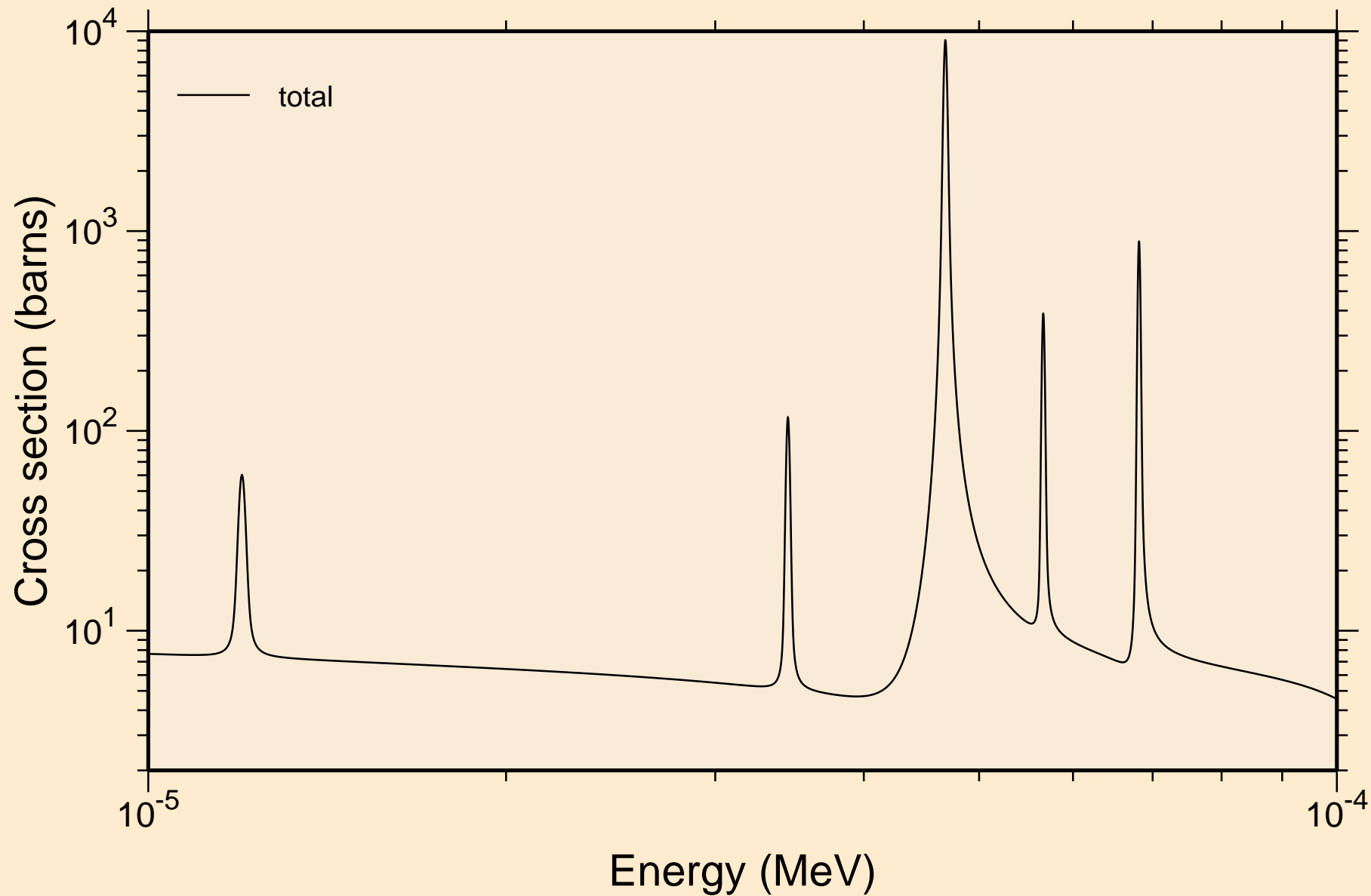


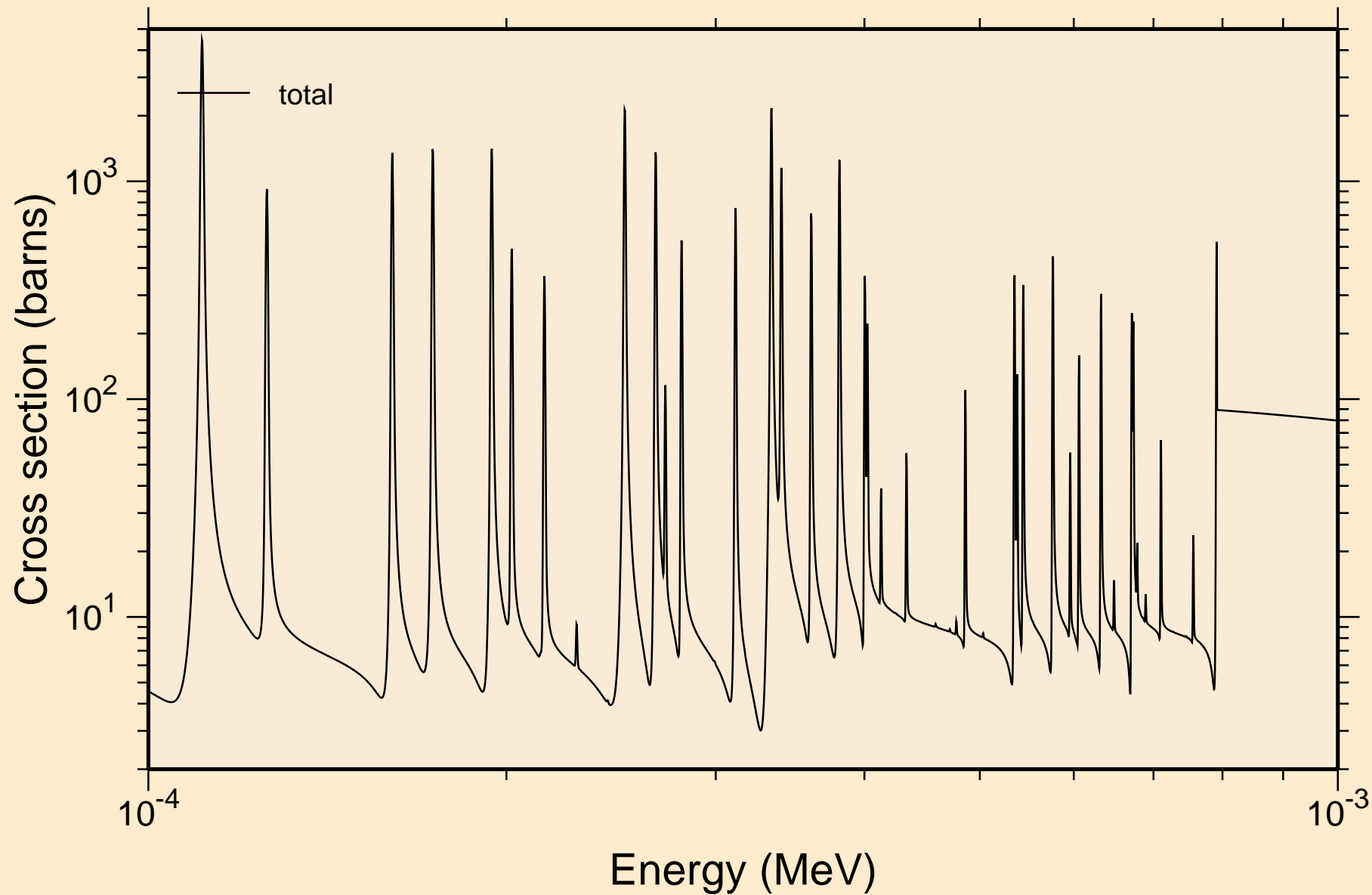
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Principal cross sections



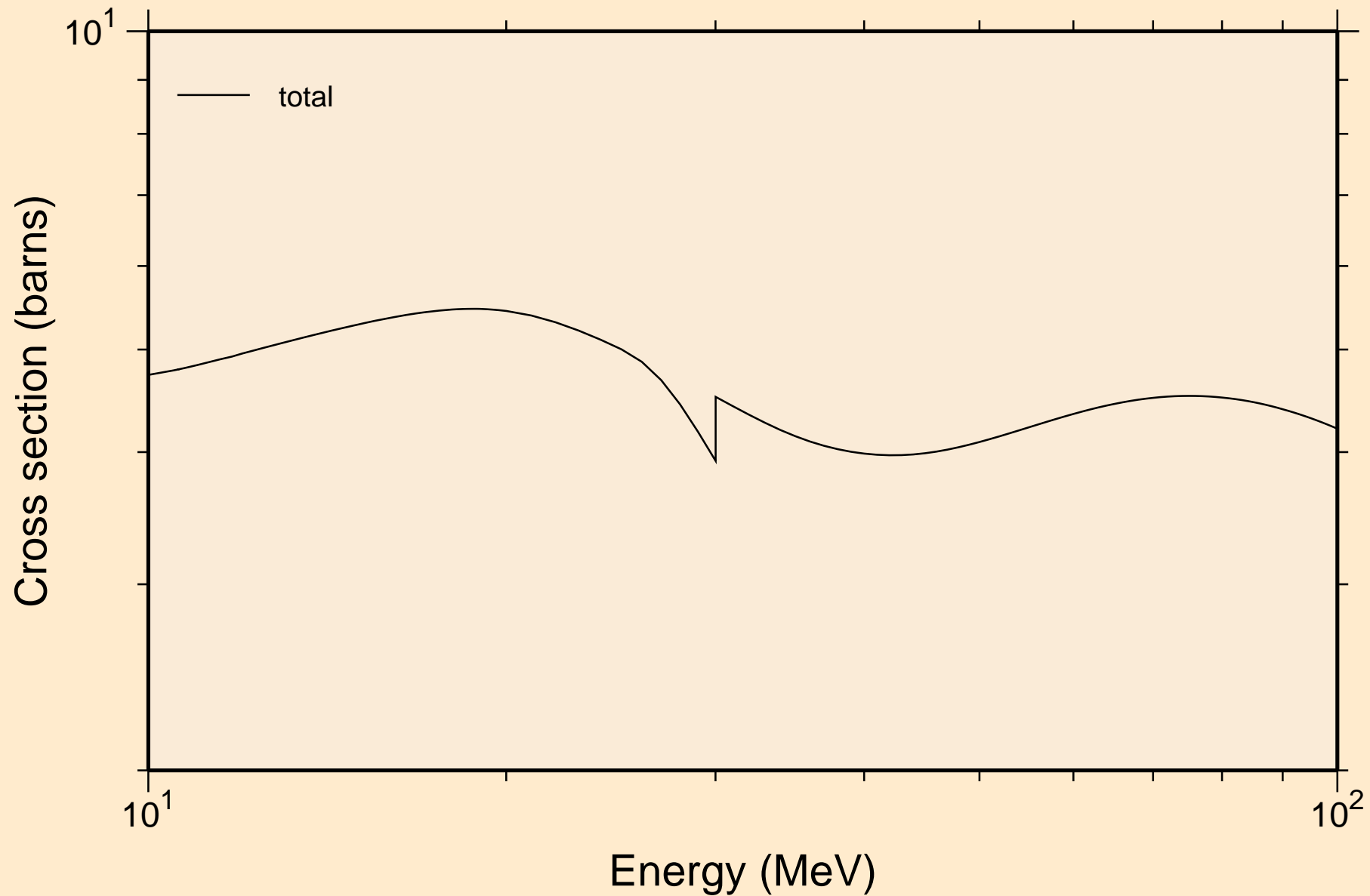
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resonance total cross section



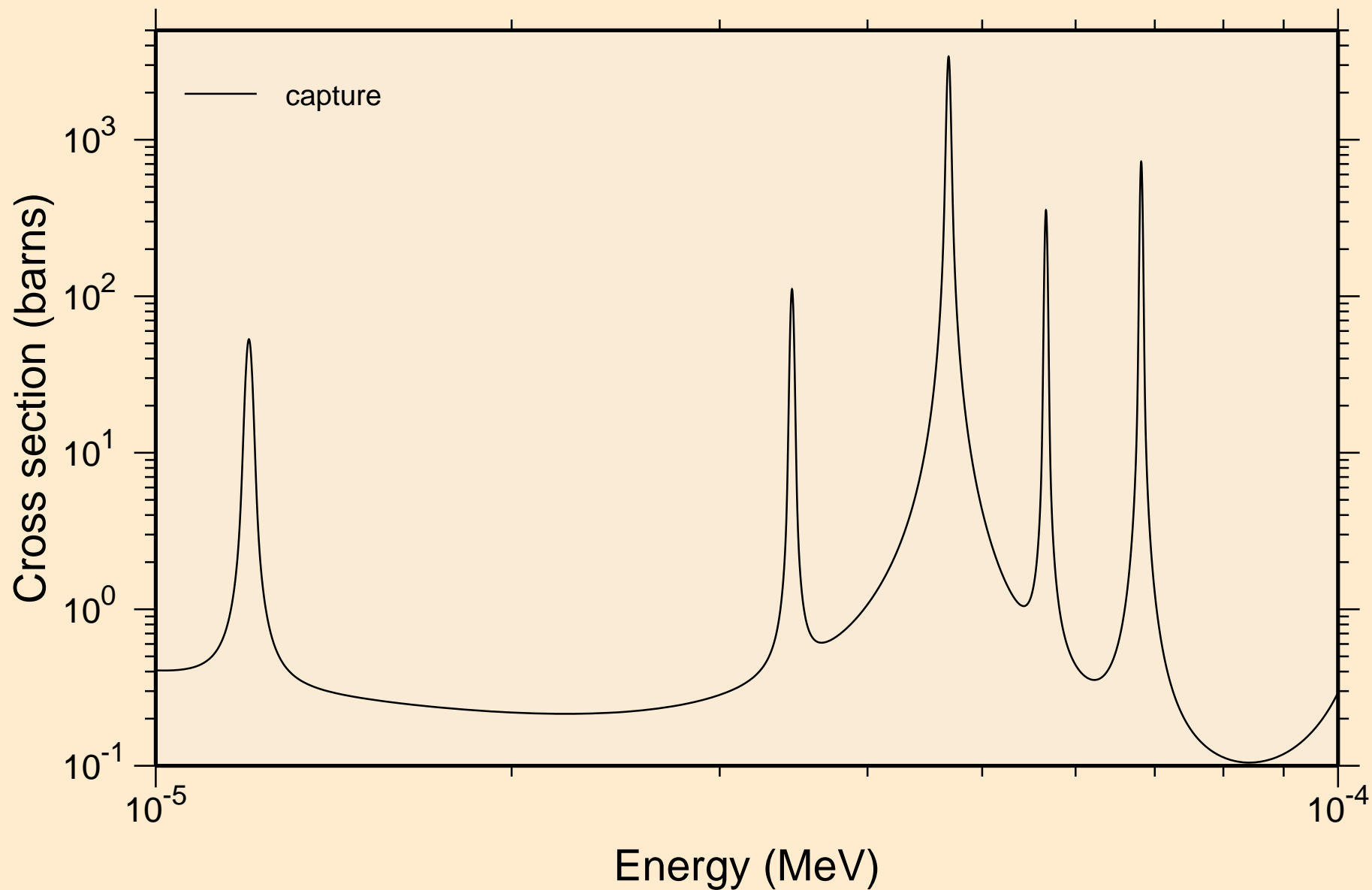
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resonance total cross section



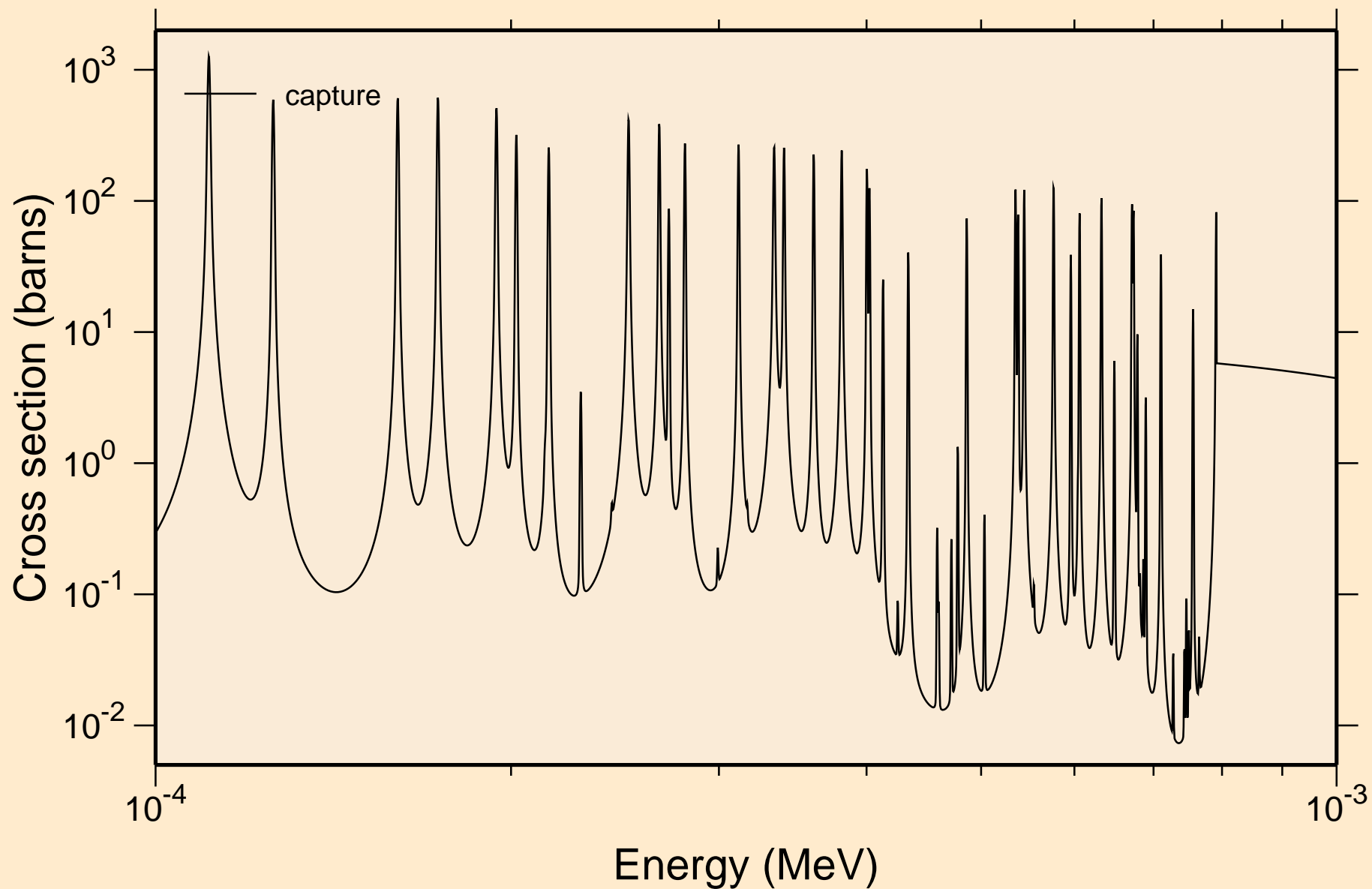
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resonance total cross section



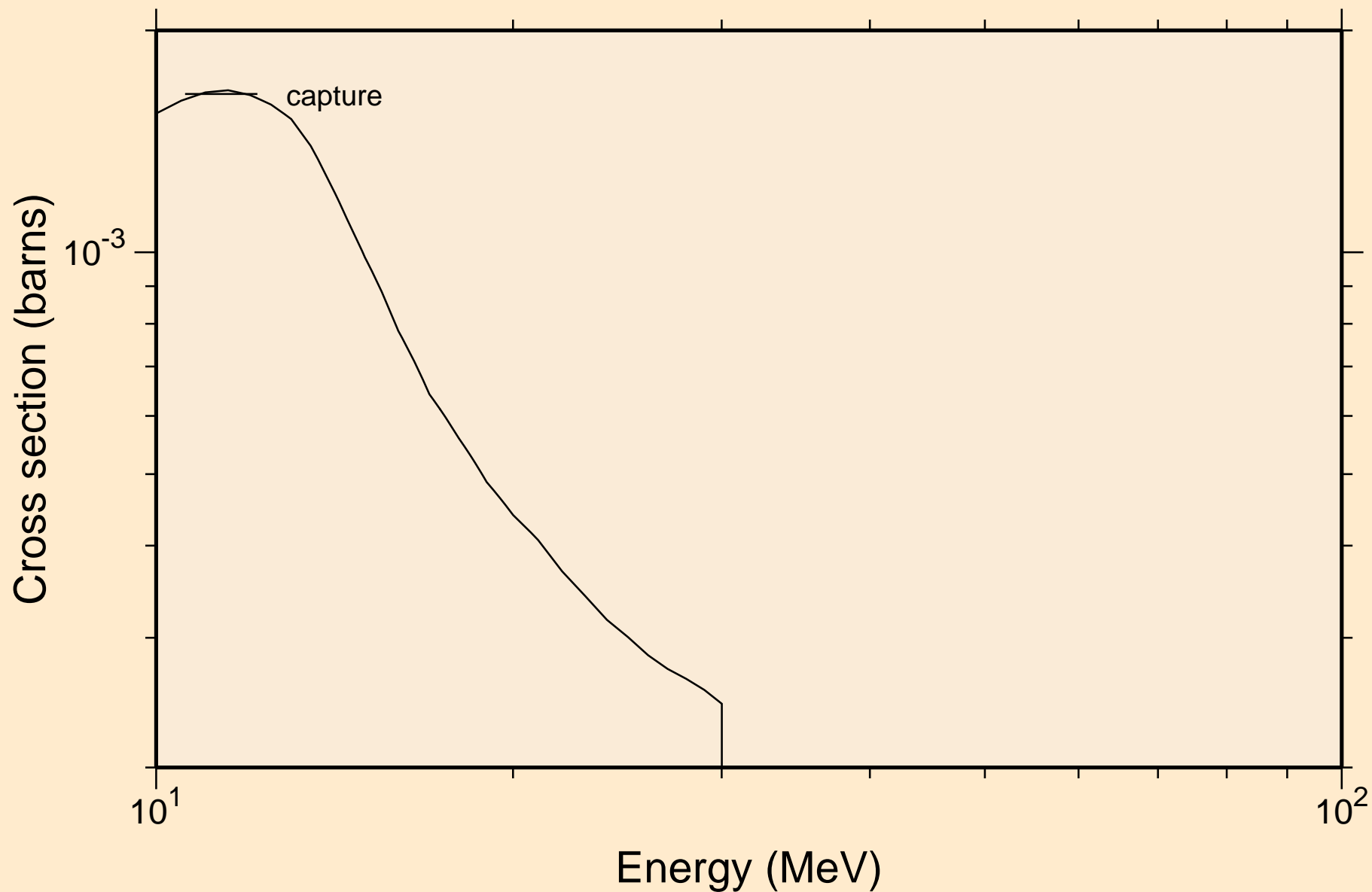
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resonance absorption cross sections



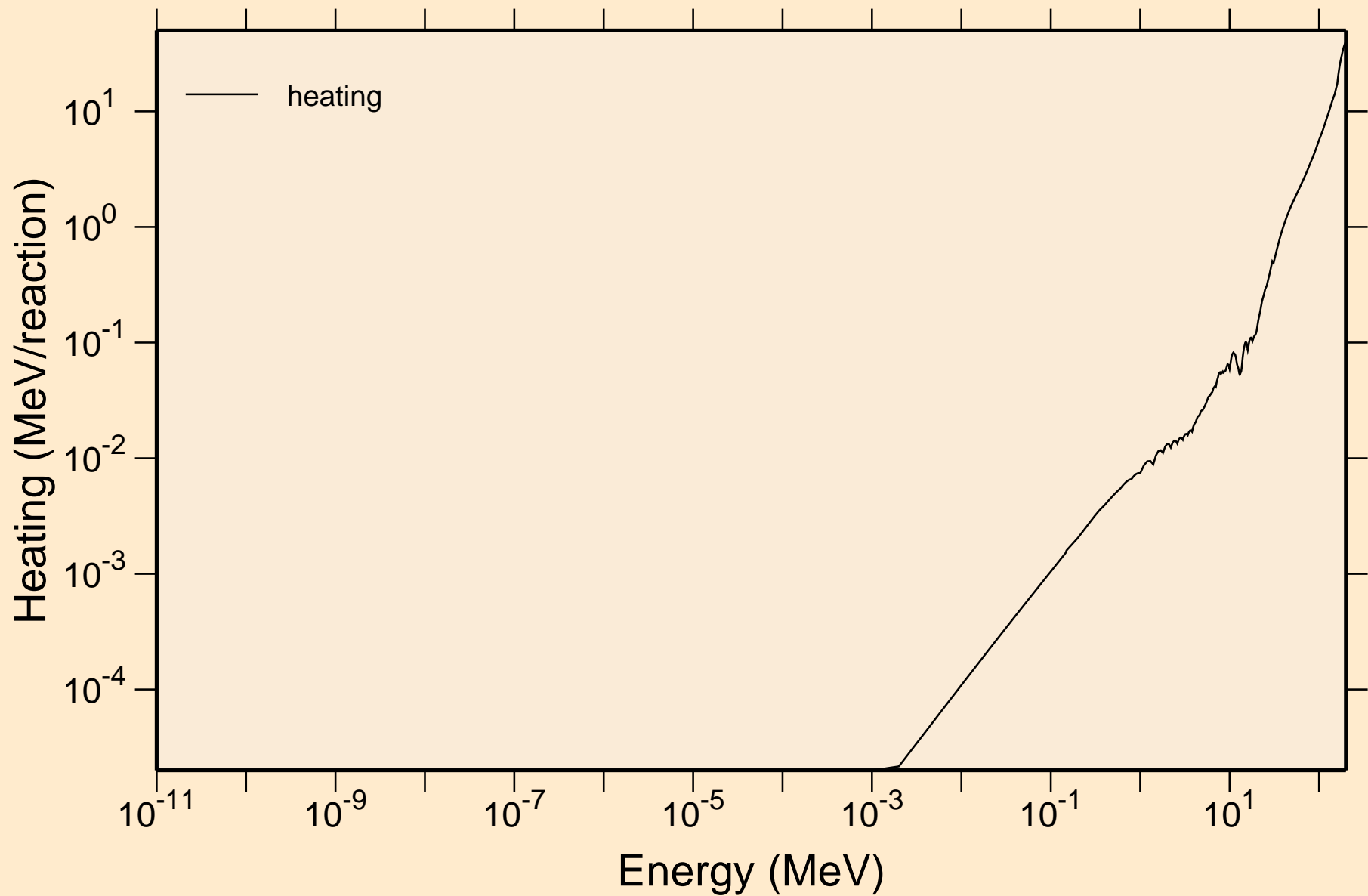
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resonance absorption cross sections



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

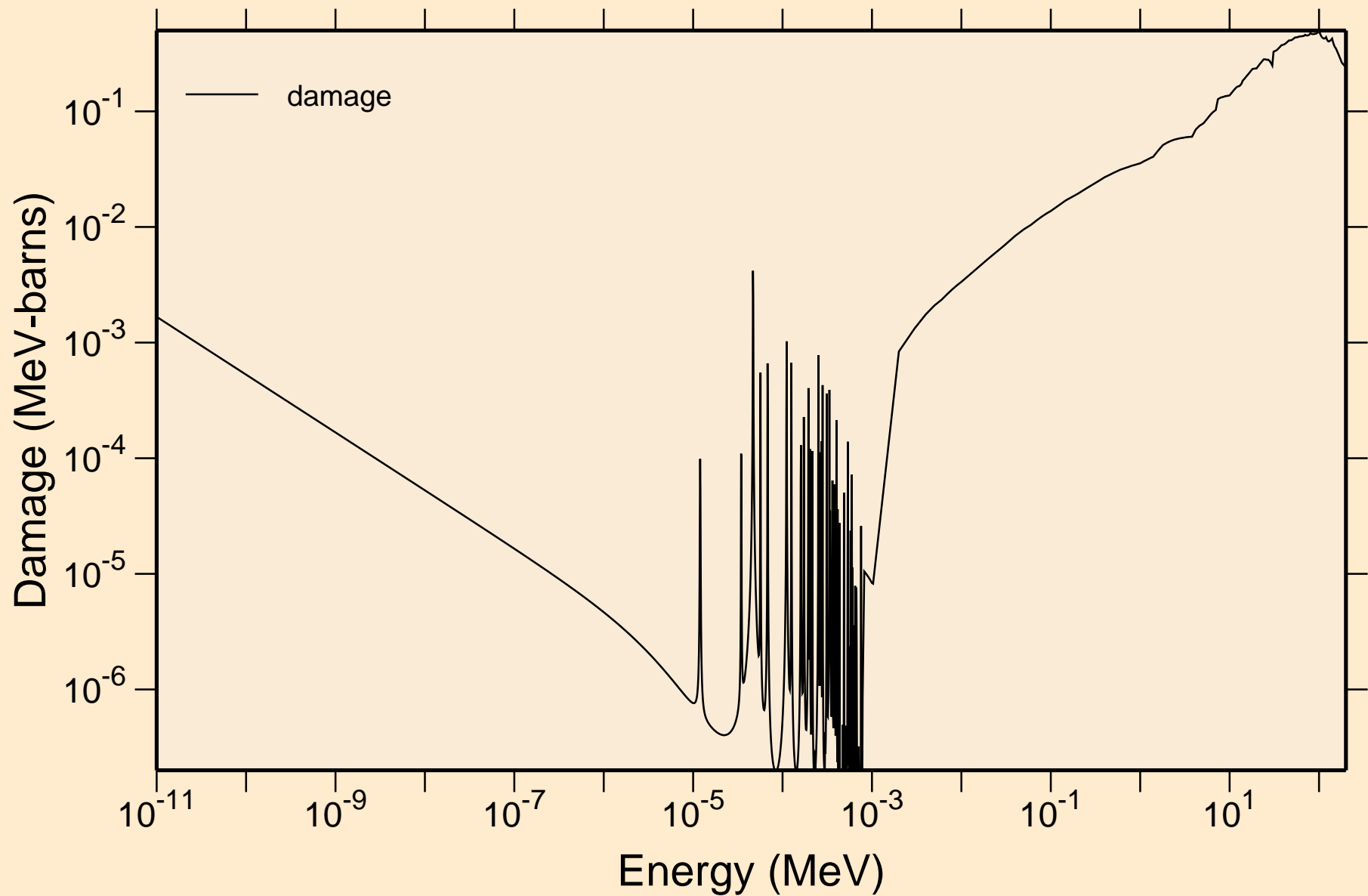


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Heating

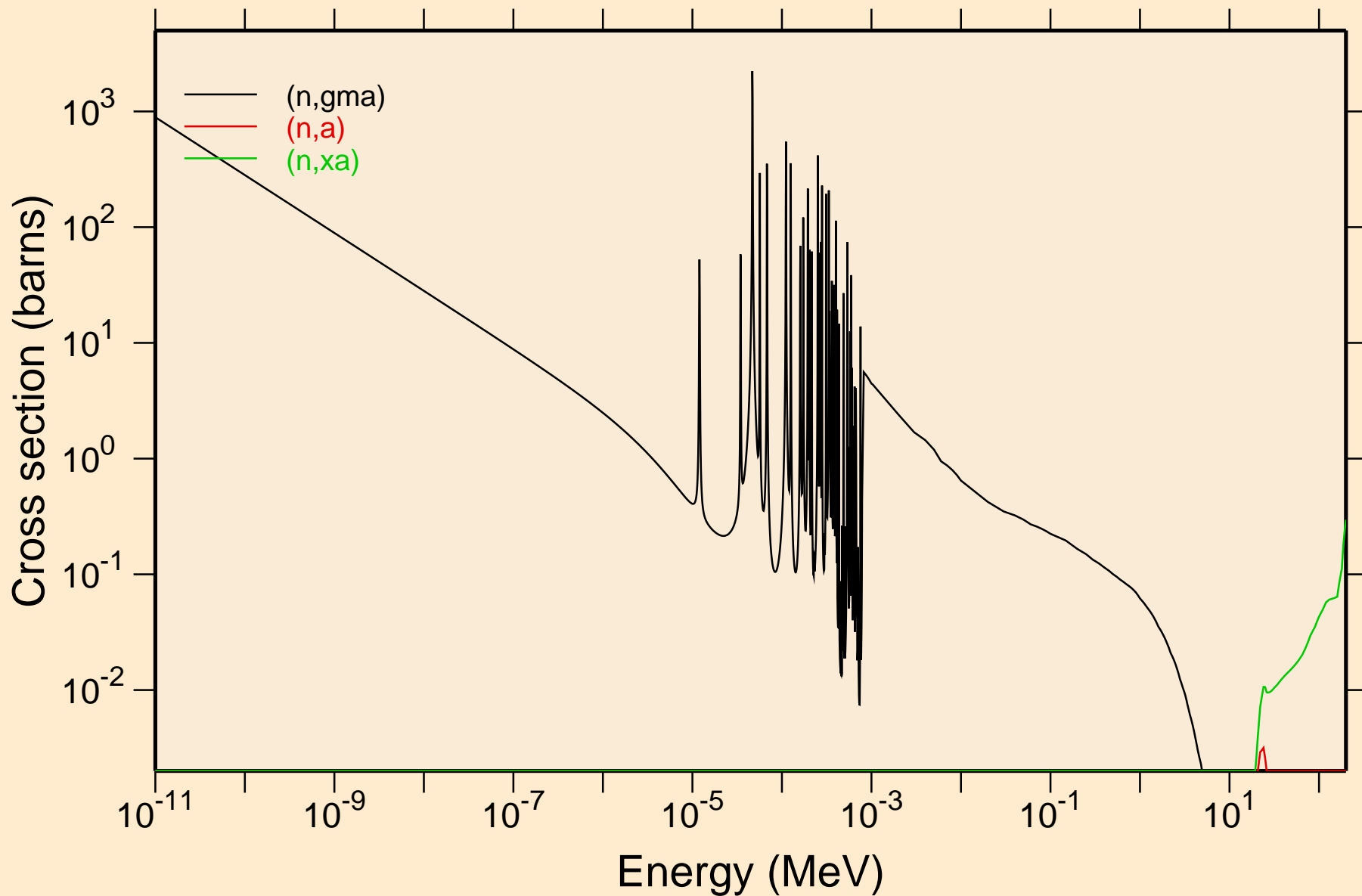




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Damage

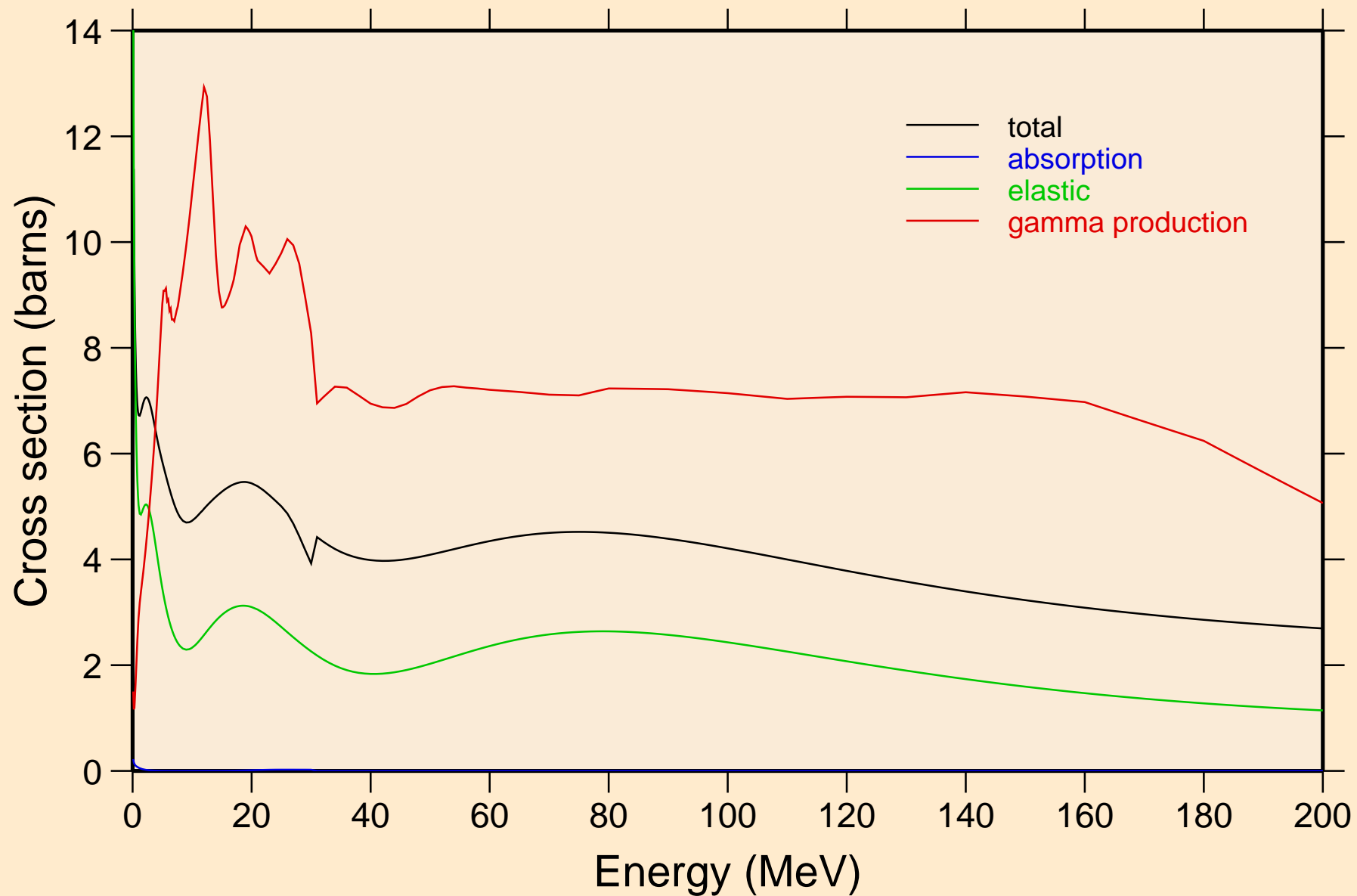


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Non-threshold reactions

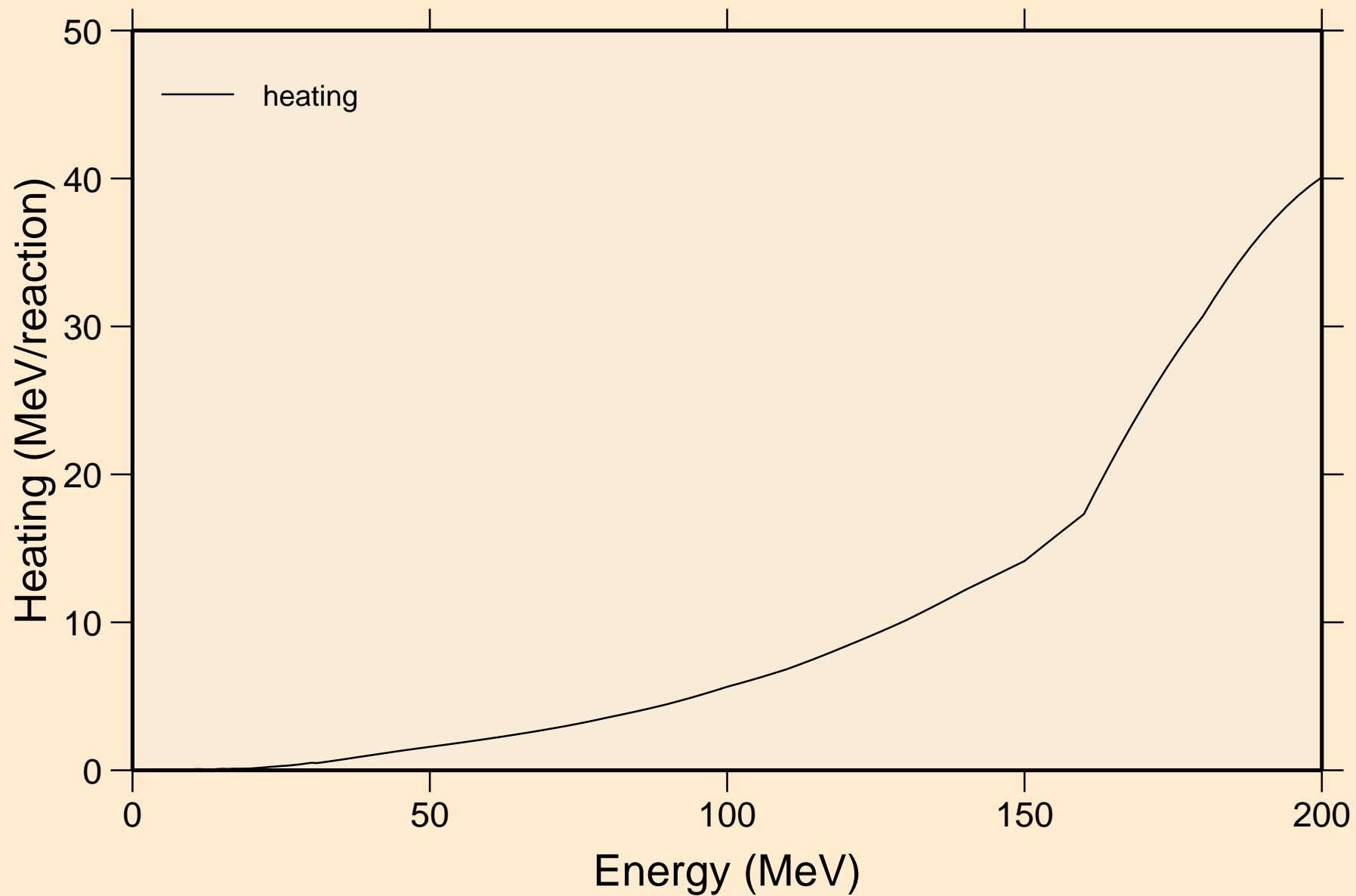


# YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

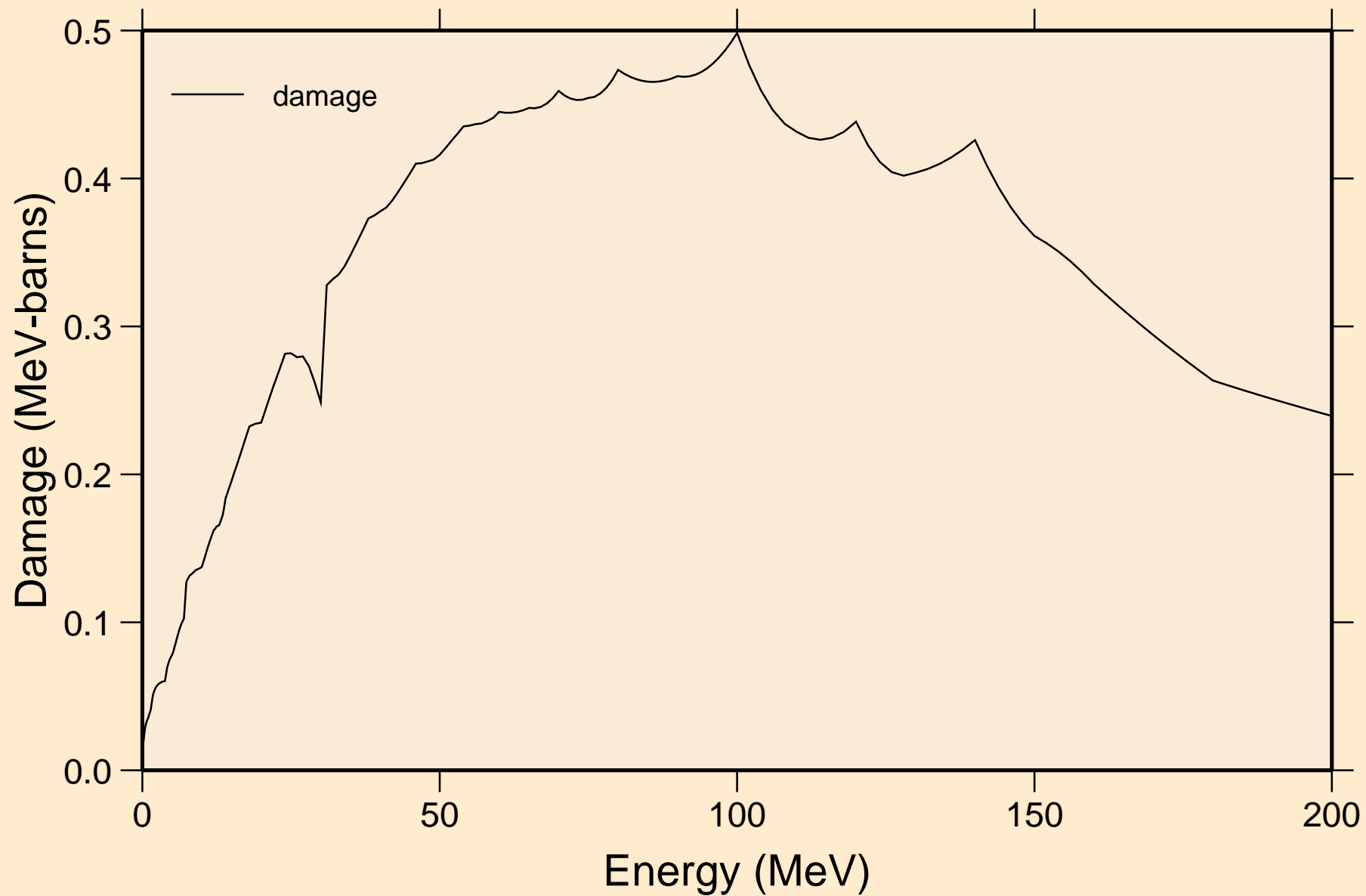
## Principal cross sections



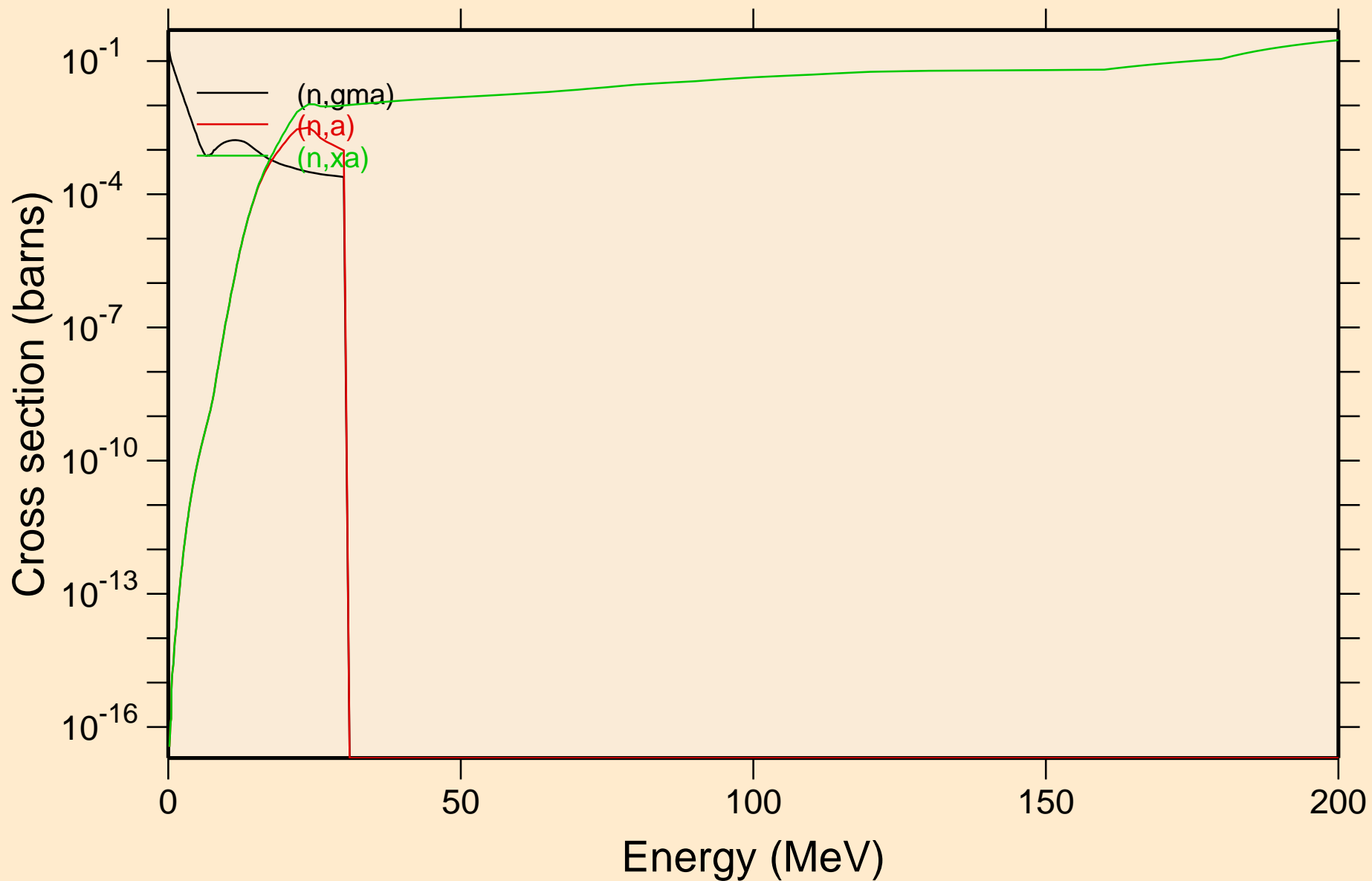
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Heating



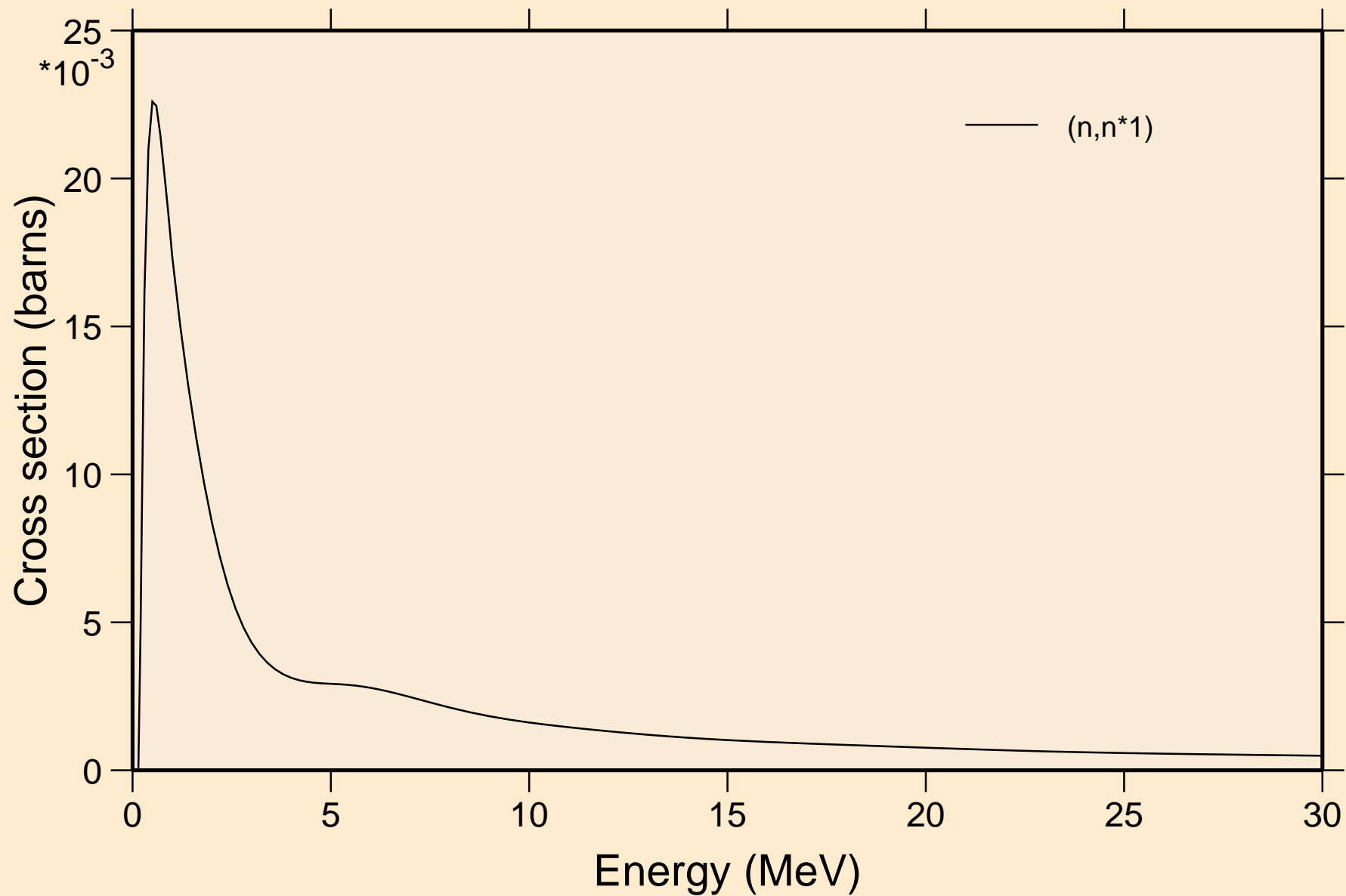
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Damage



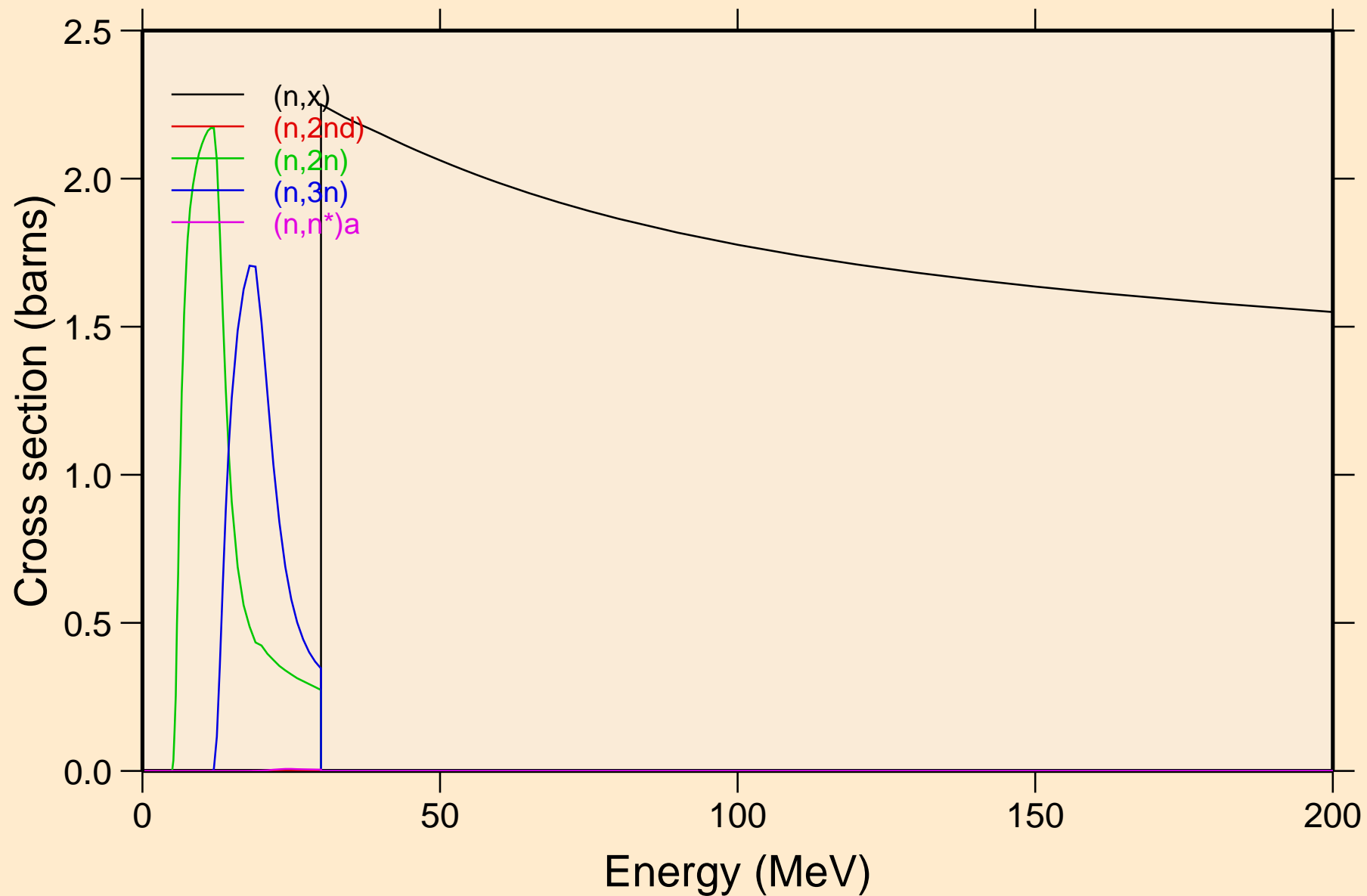
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Non-threshold reactions



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

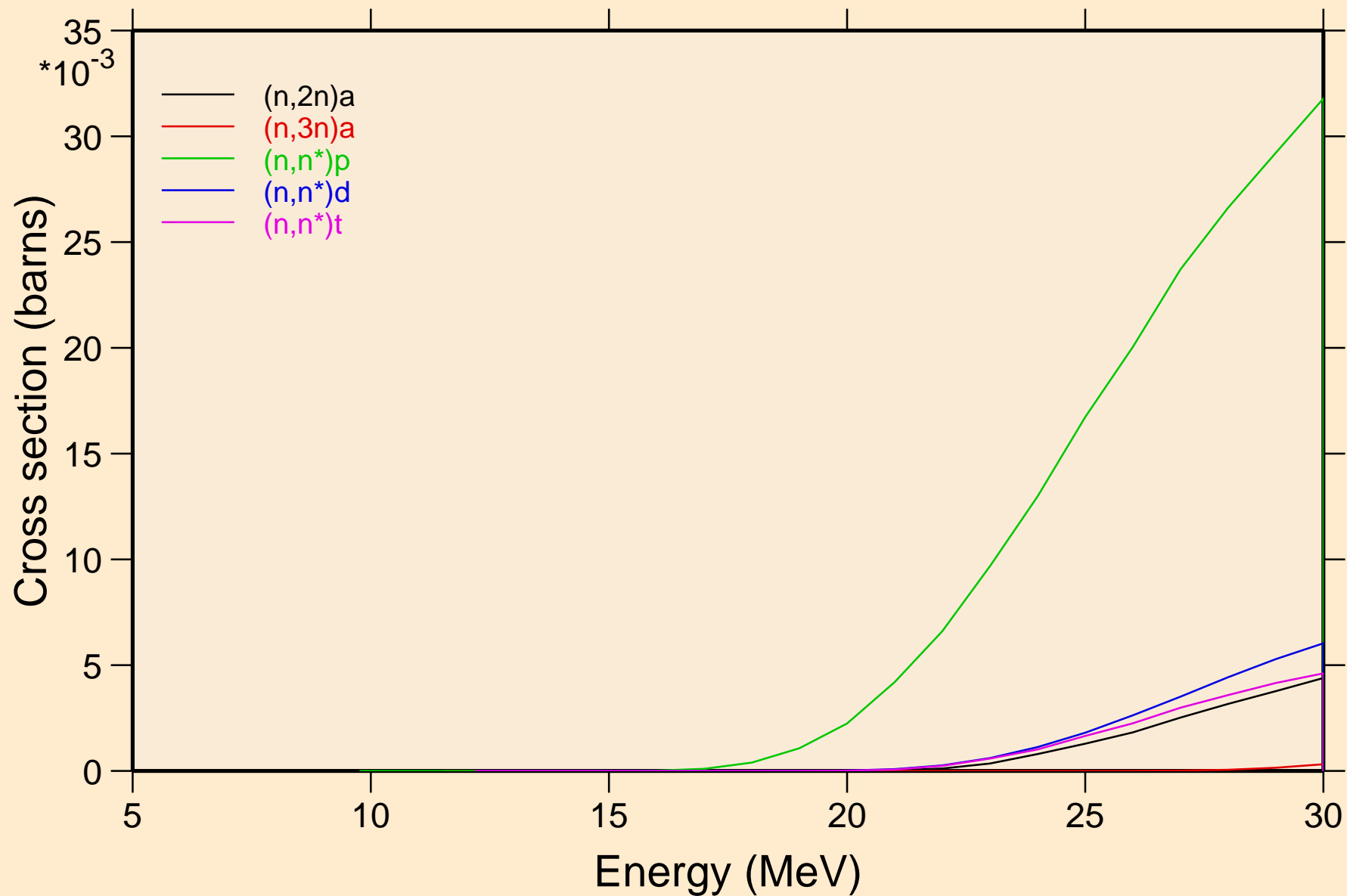


YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

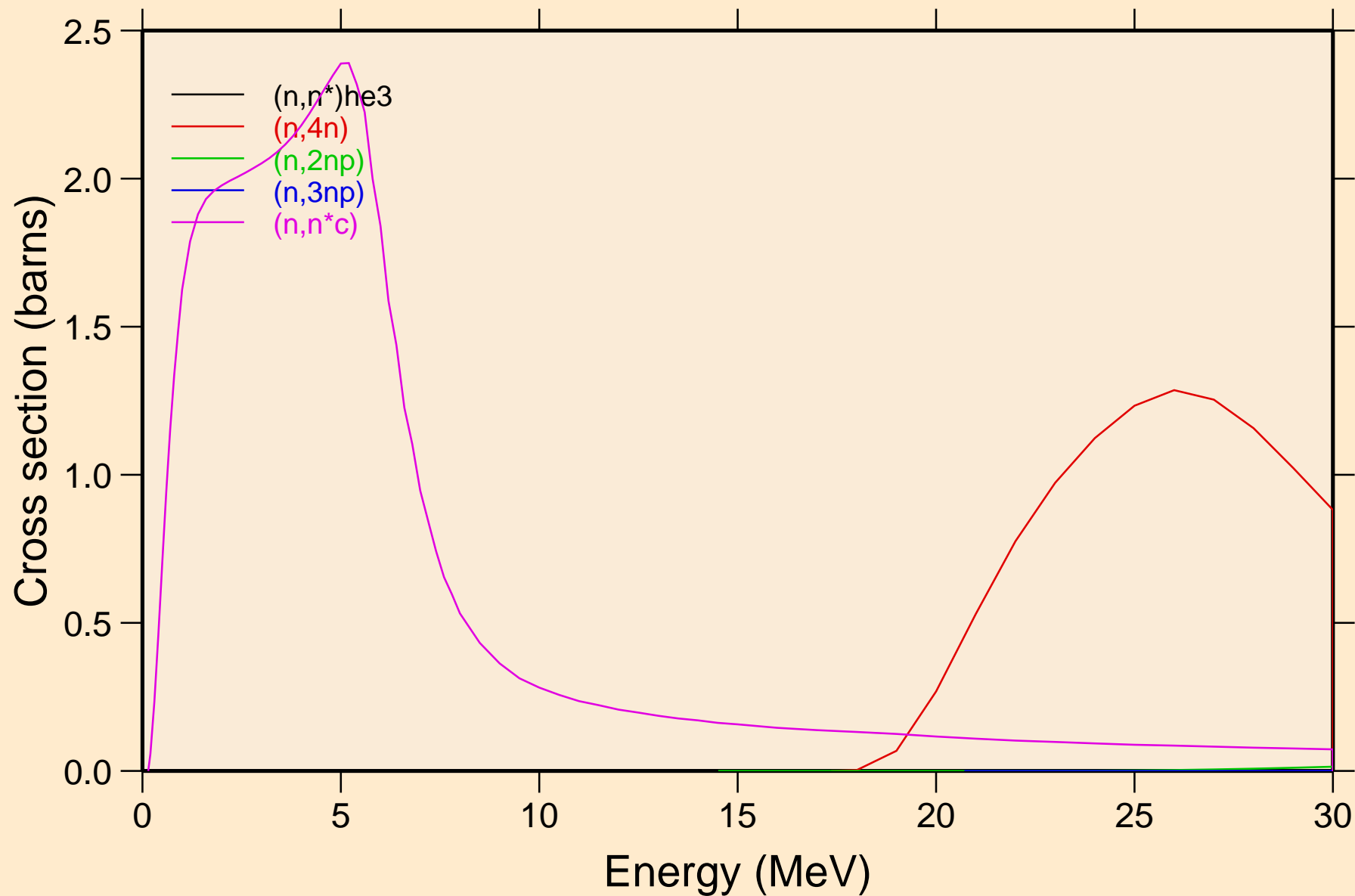




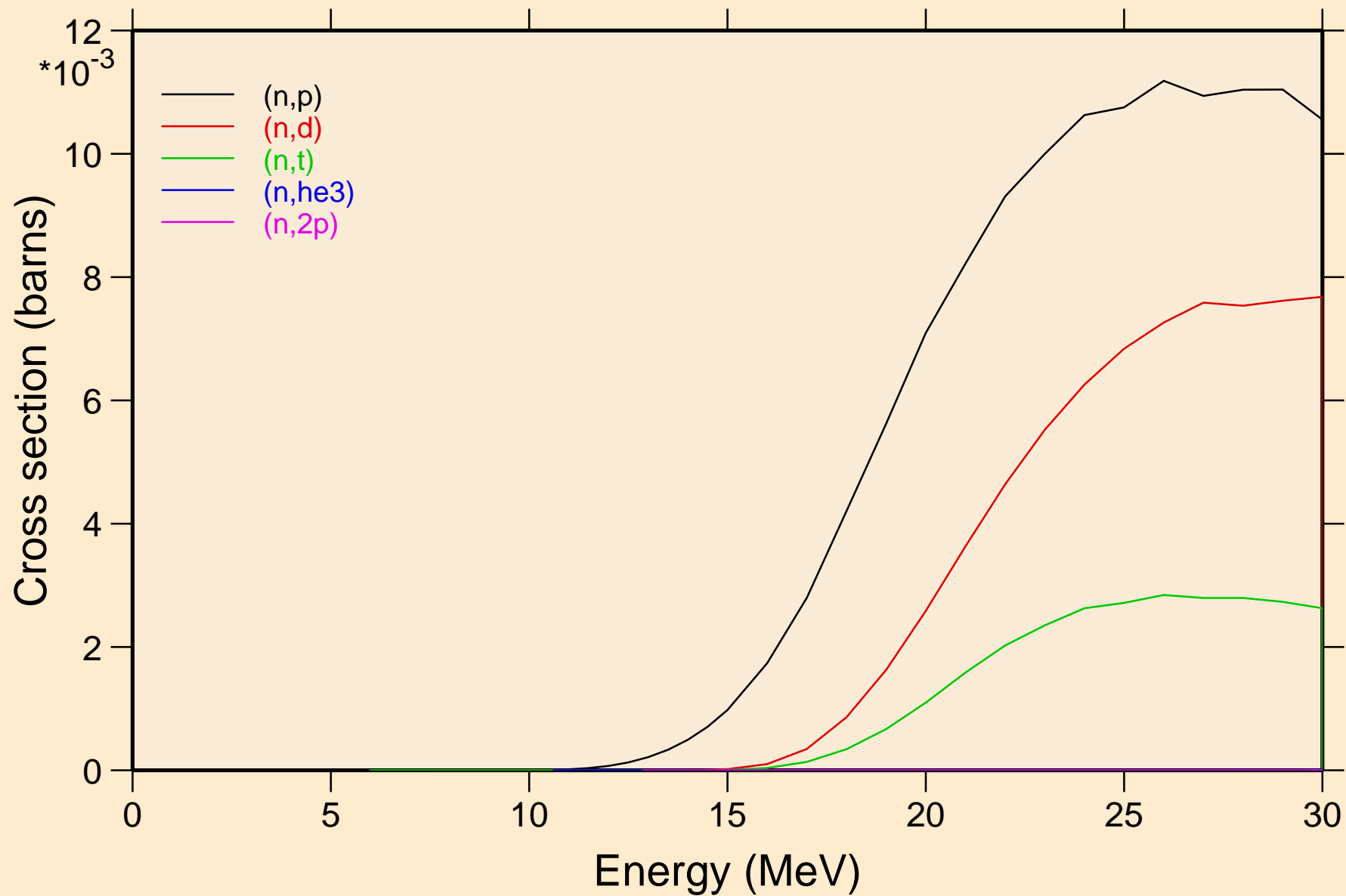
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Threshold reactions



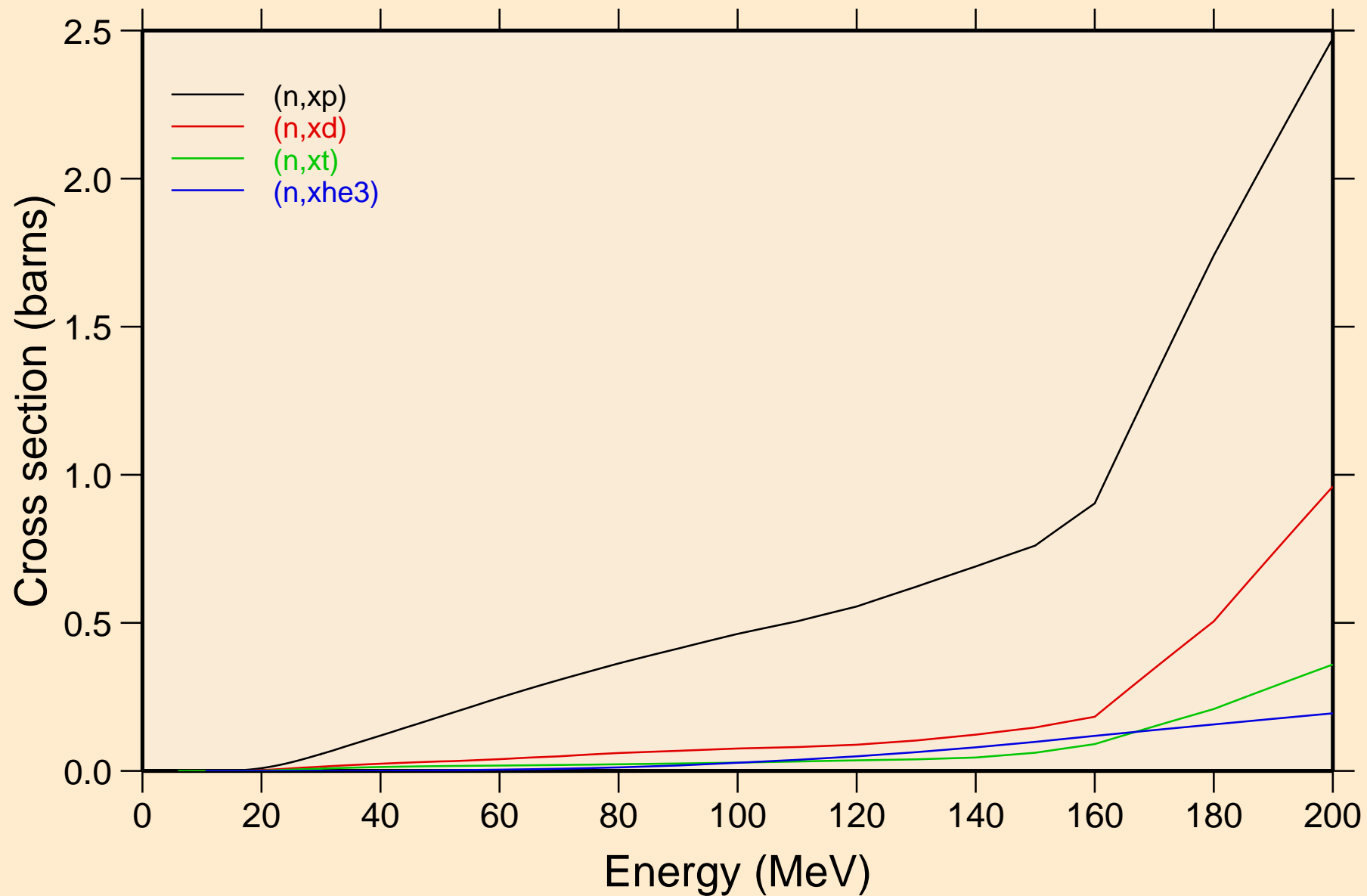
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Threshold reactions



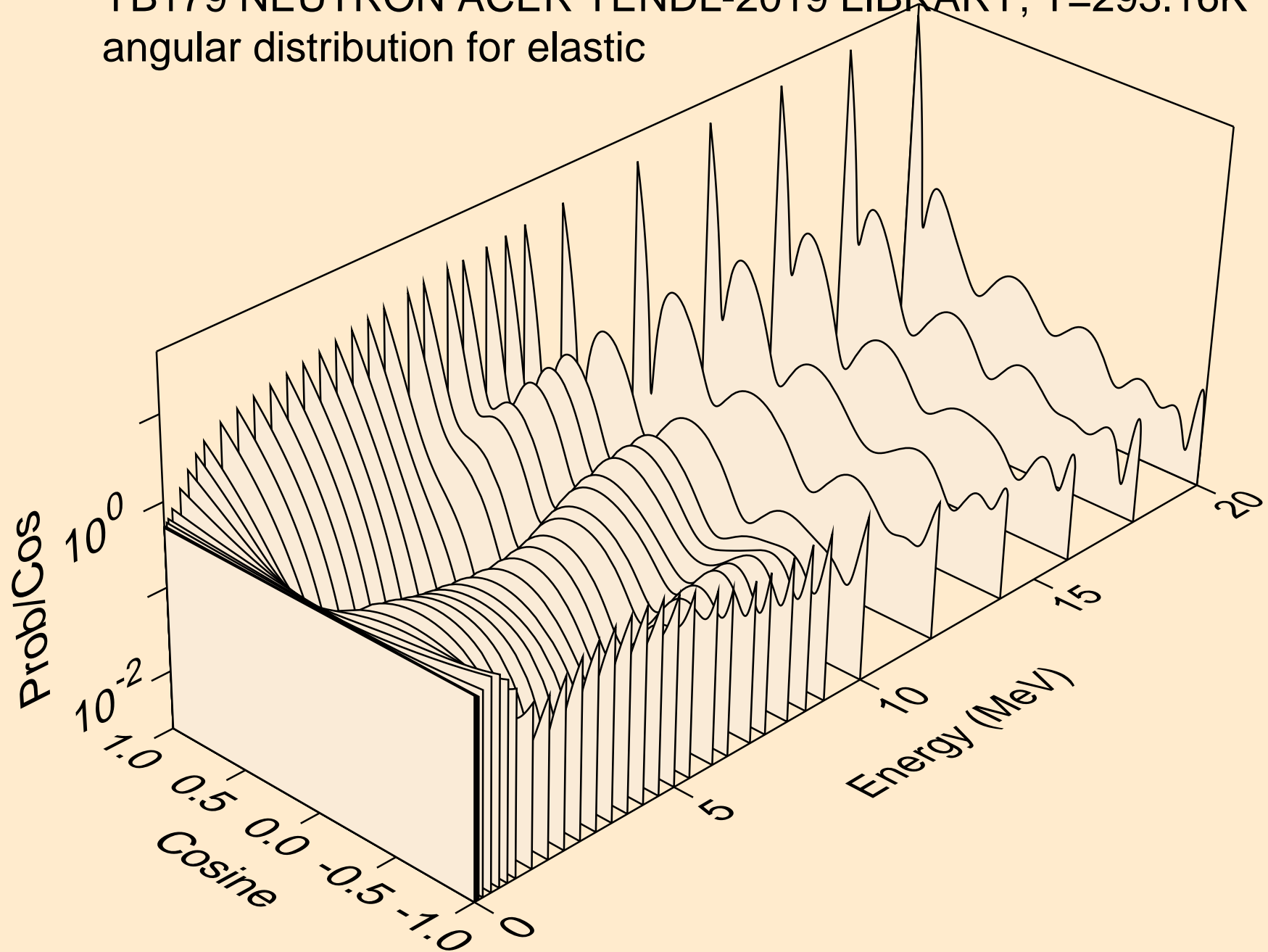
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Threshold reactions



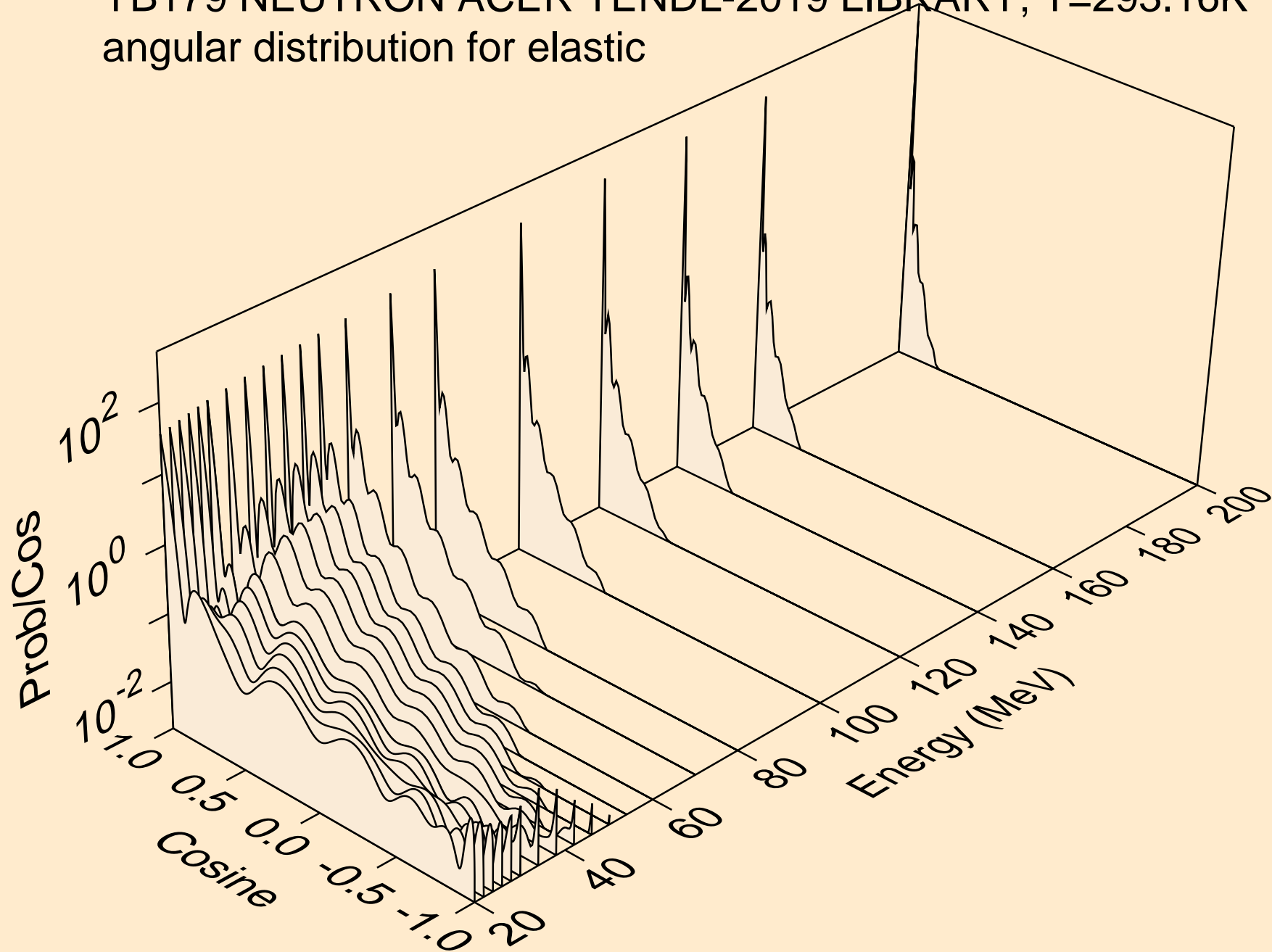
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Threshold reactions



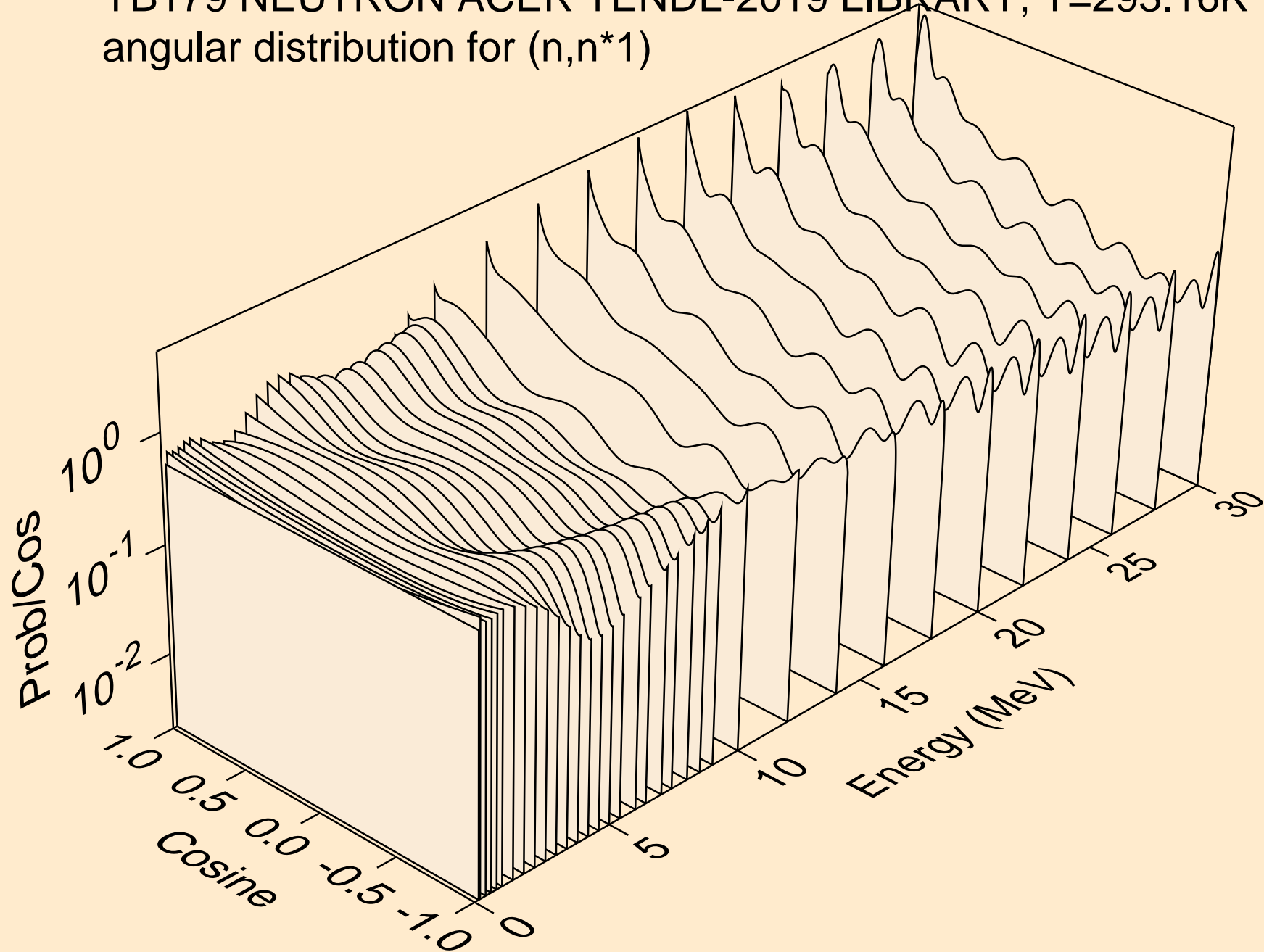
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angular distribution for elastic



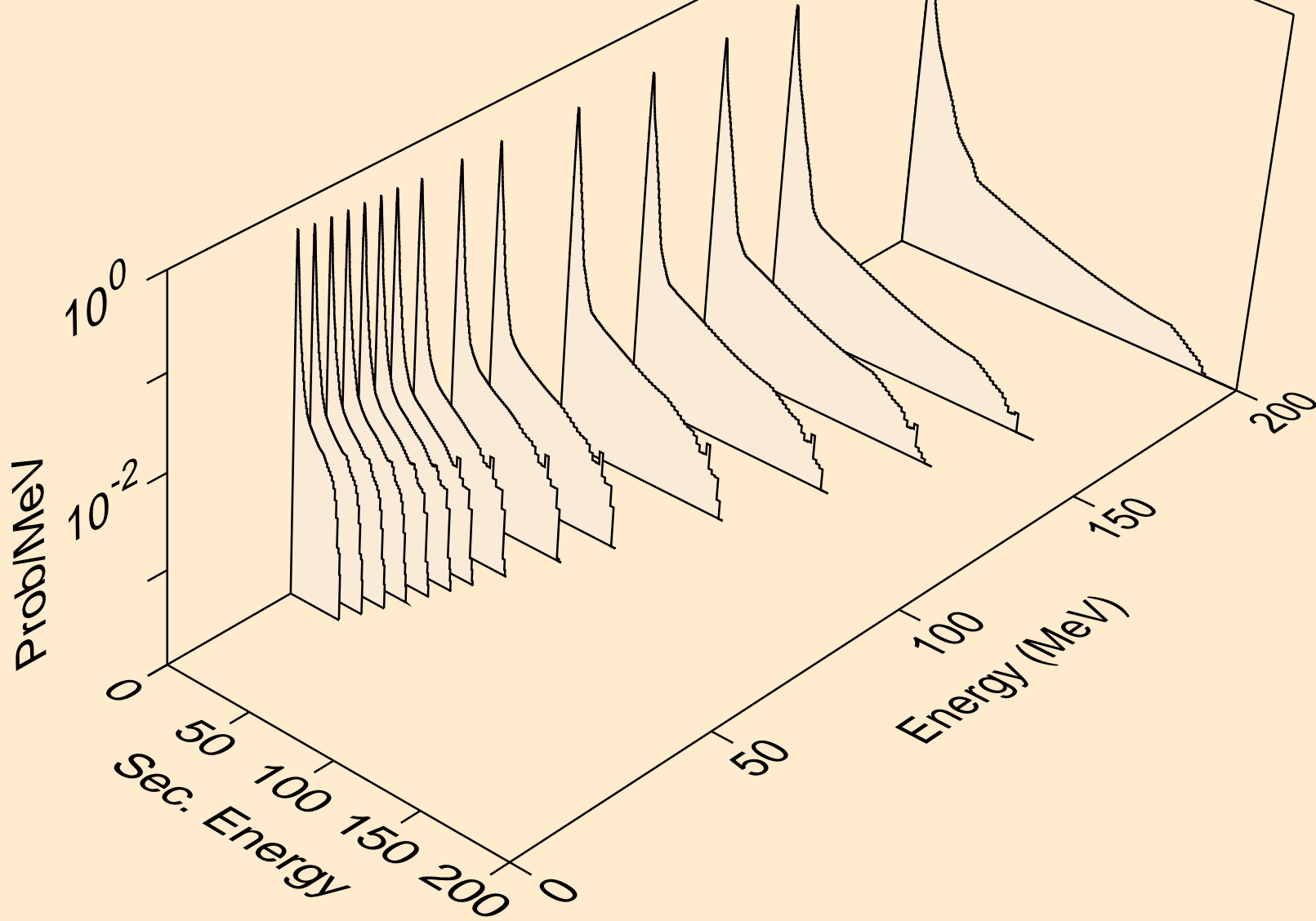
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

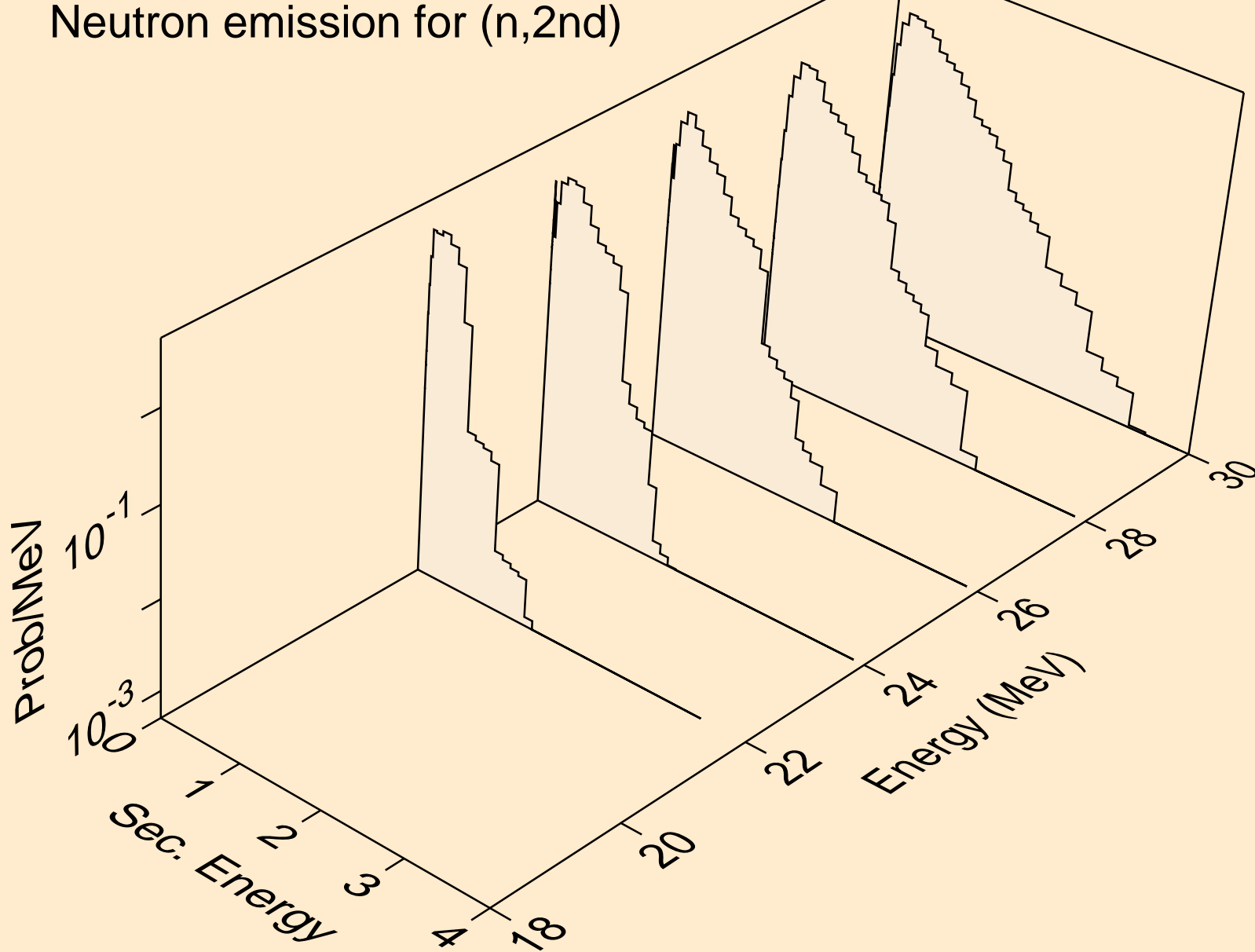


YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

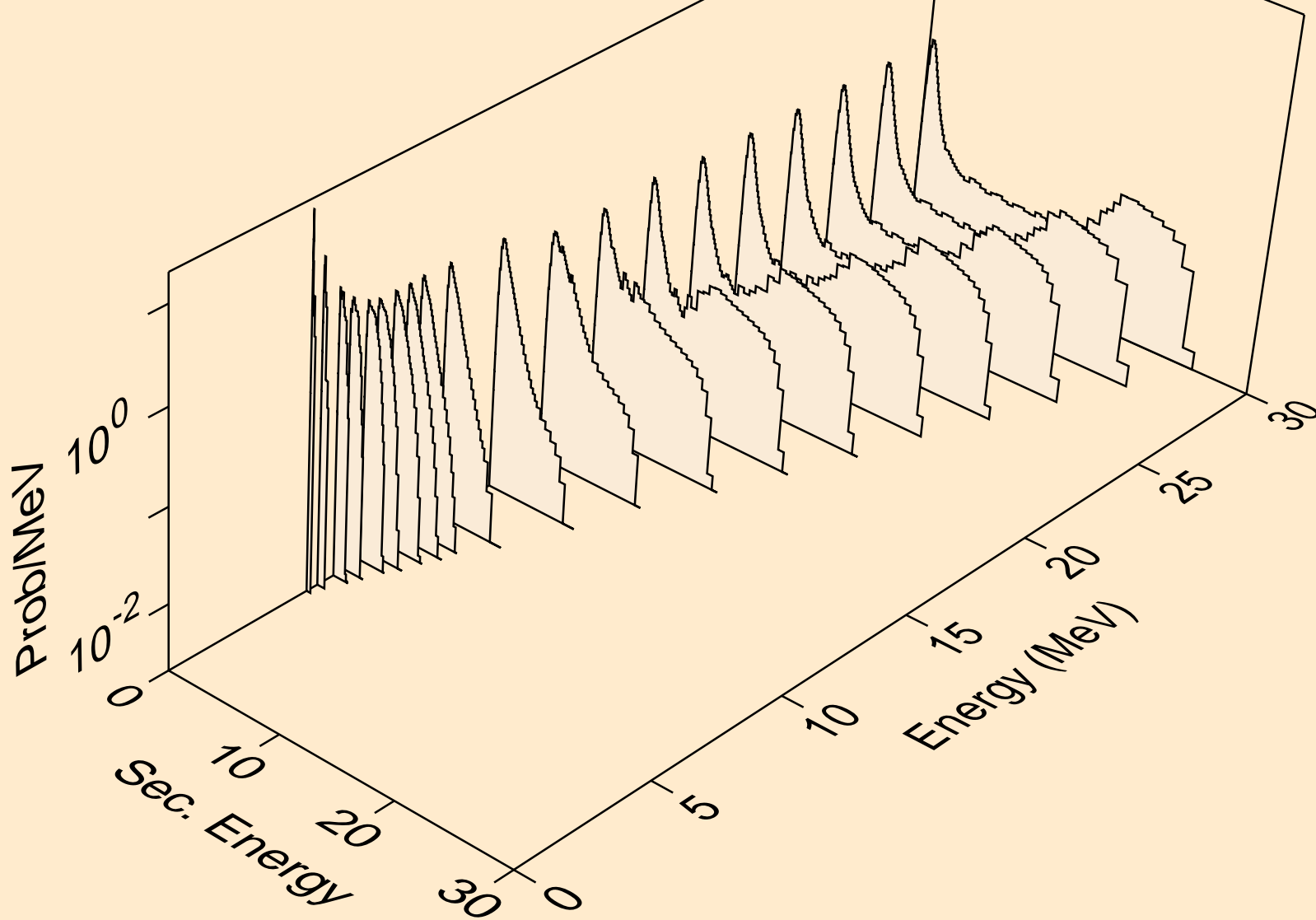




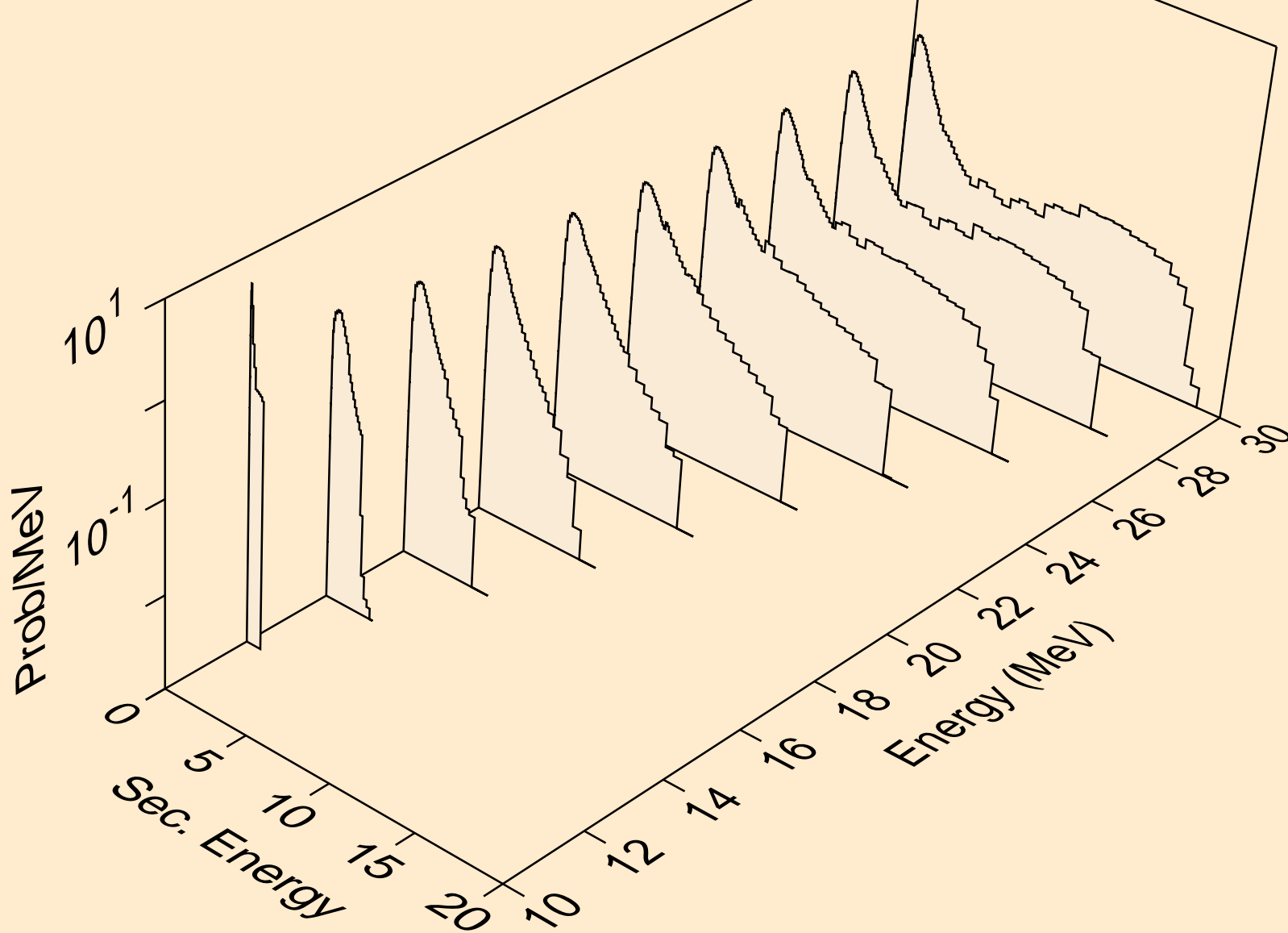
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Neutron emission for (n,2nd)



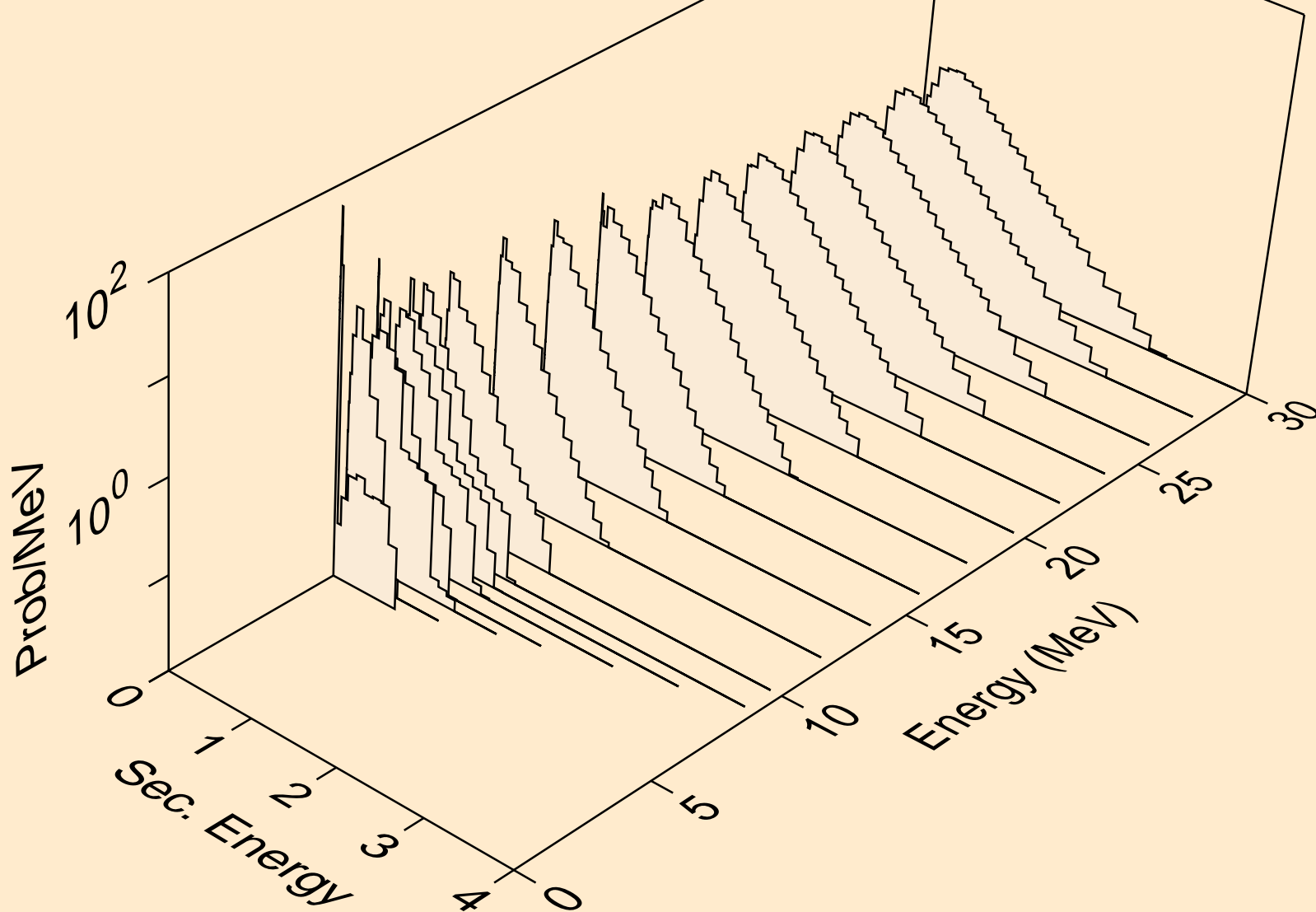
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Neutron emission for (n,2n)



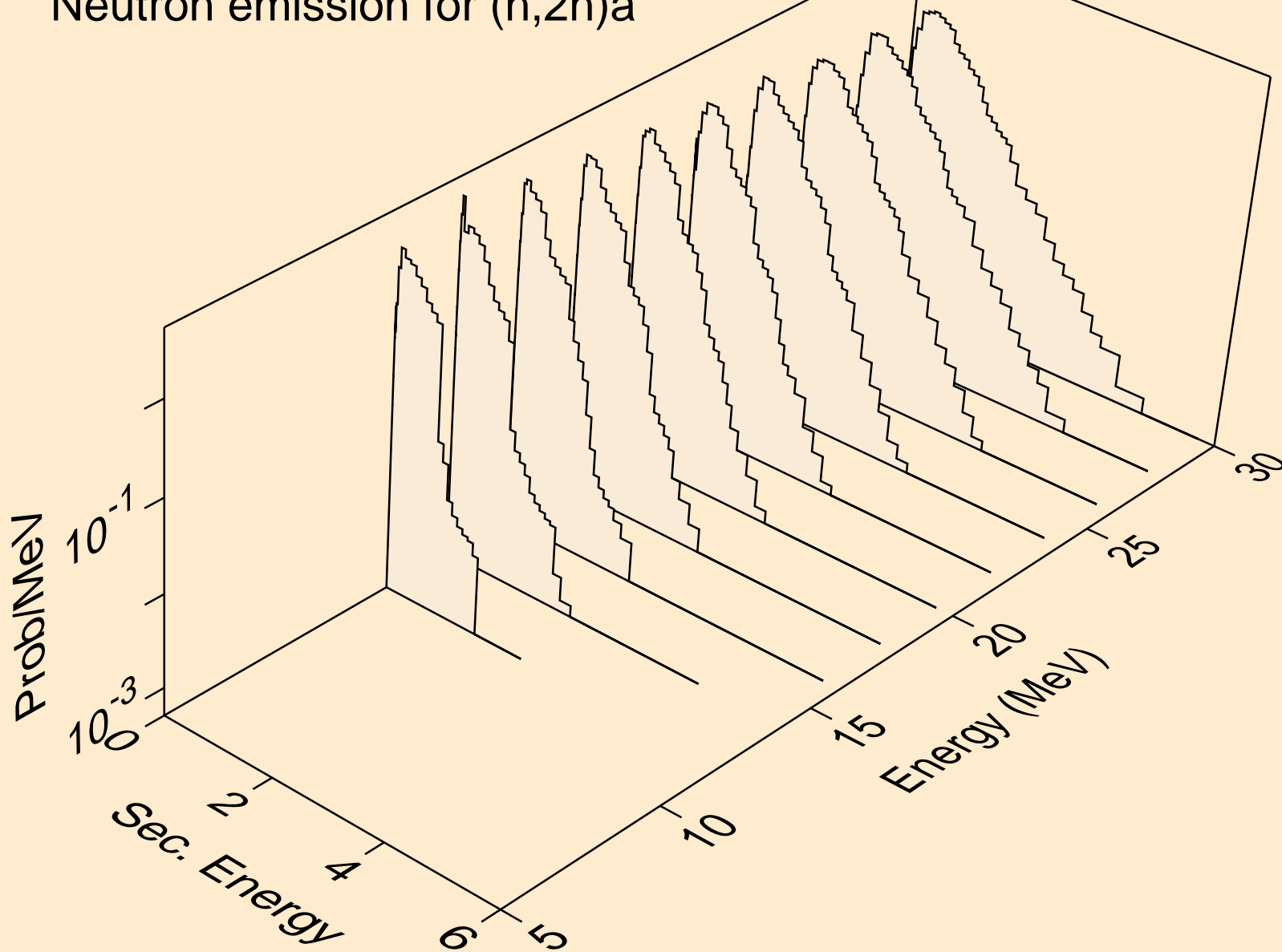
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Neutron emission for (n,3n)



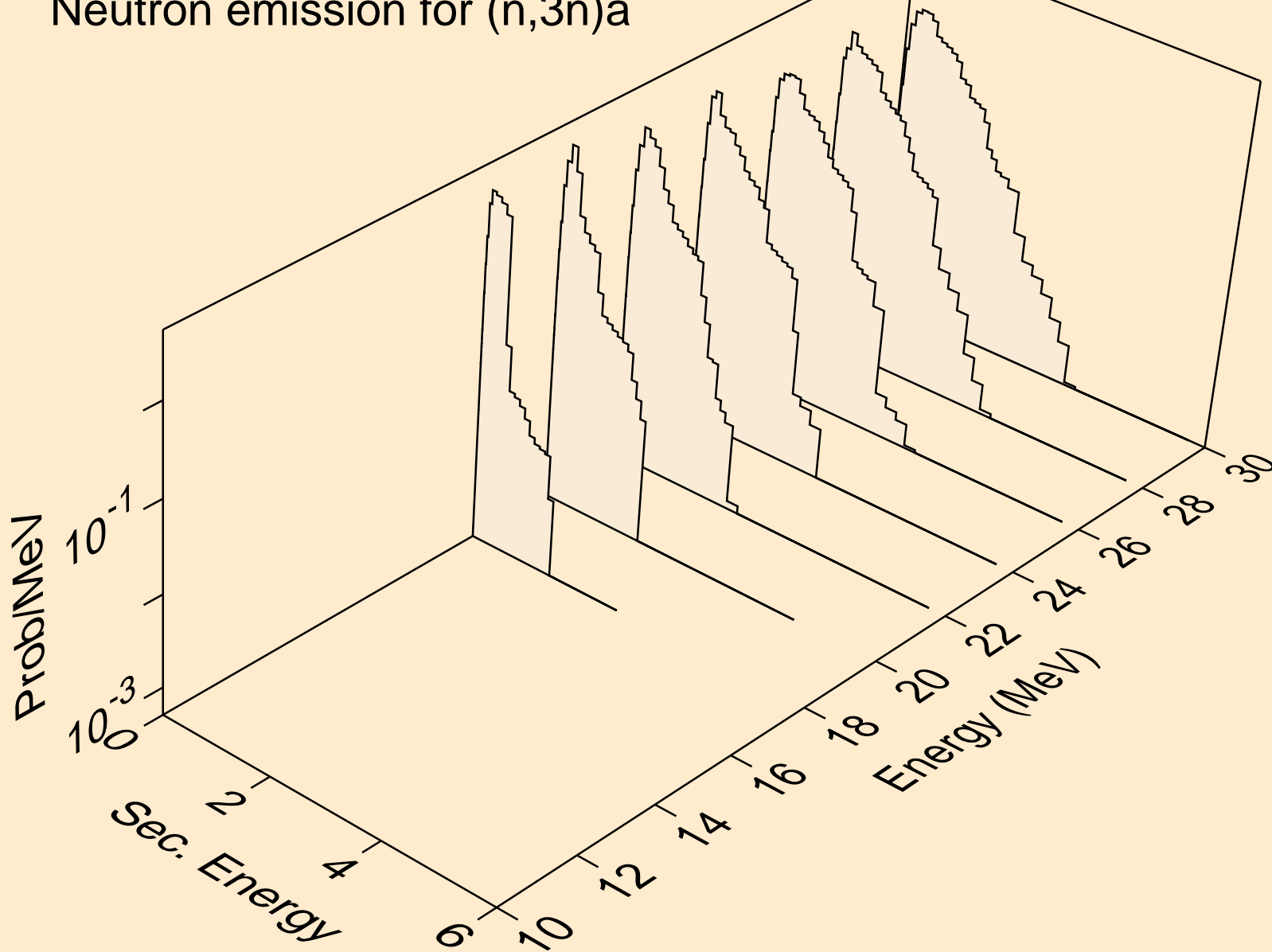
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Neutron emission for (n,n\*)a



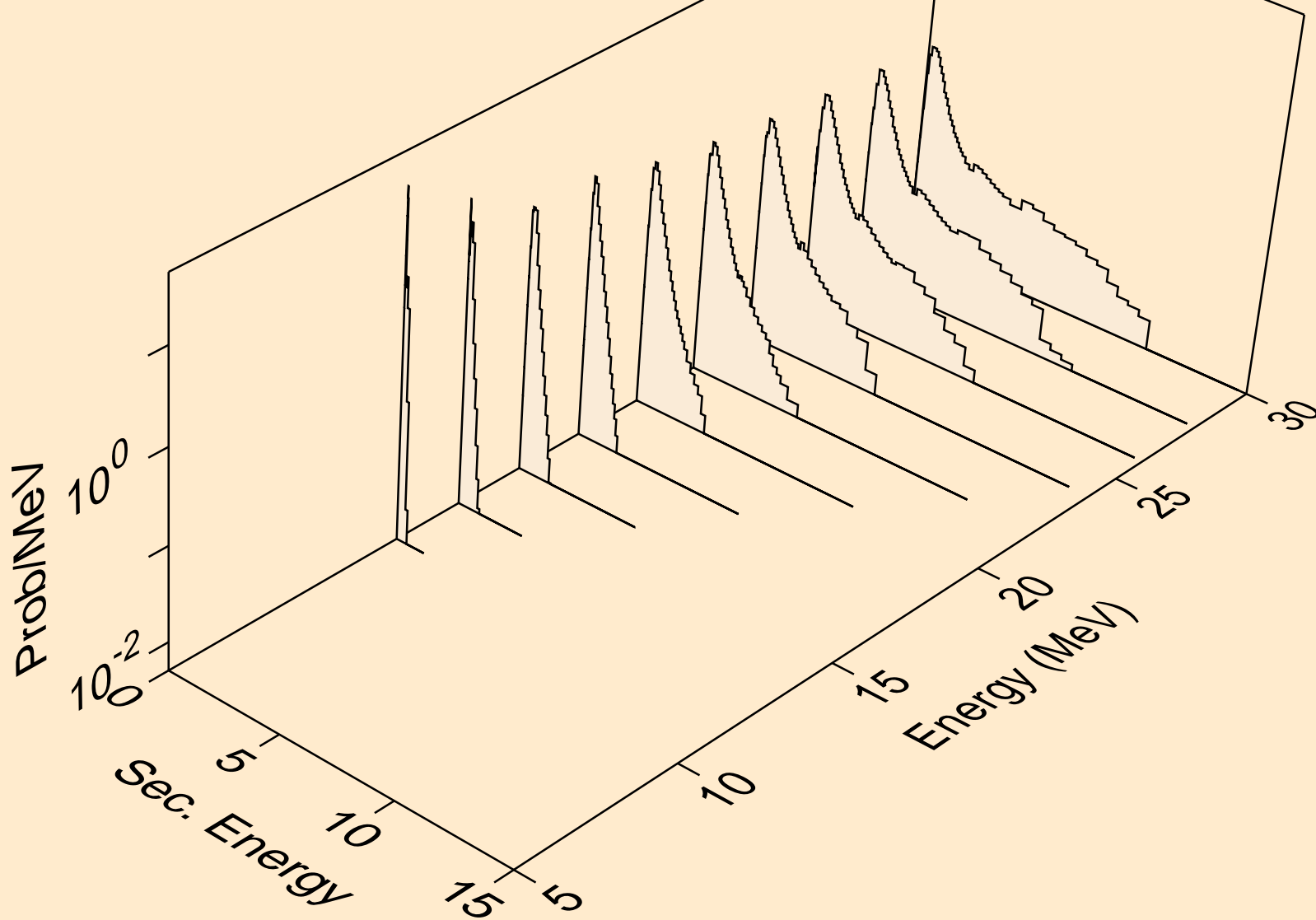
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Neutron emission for (n,2n)a



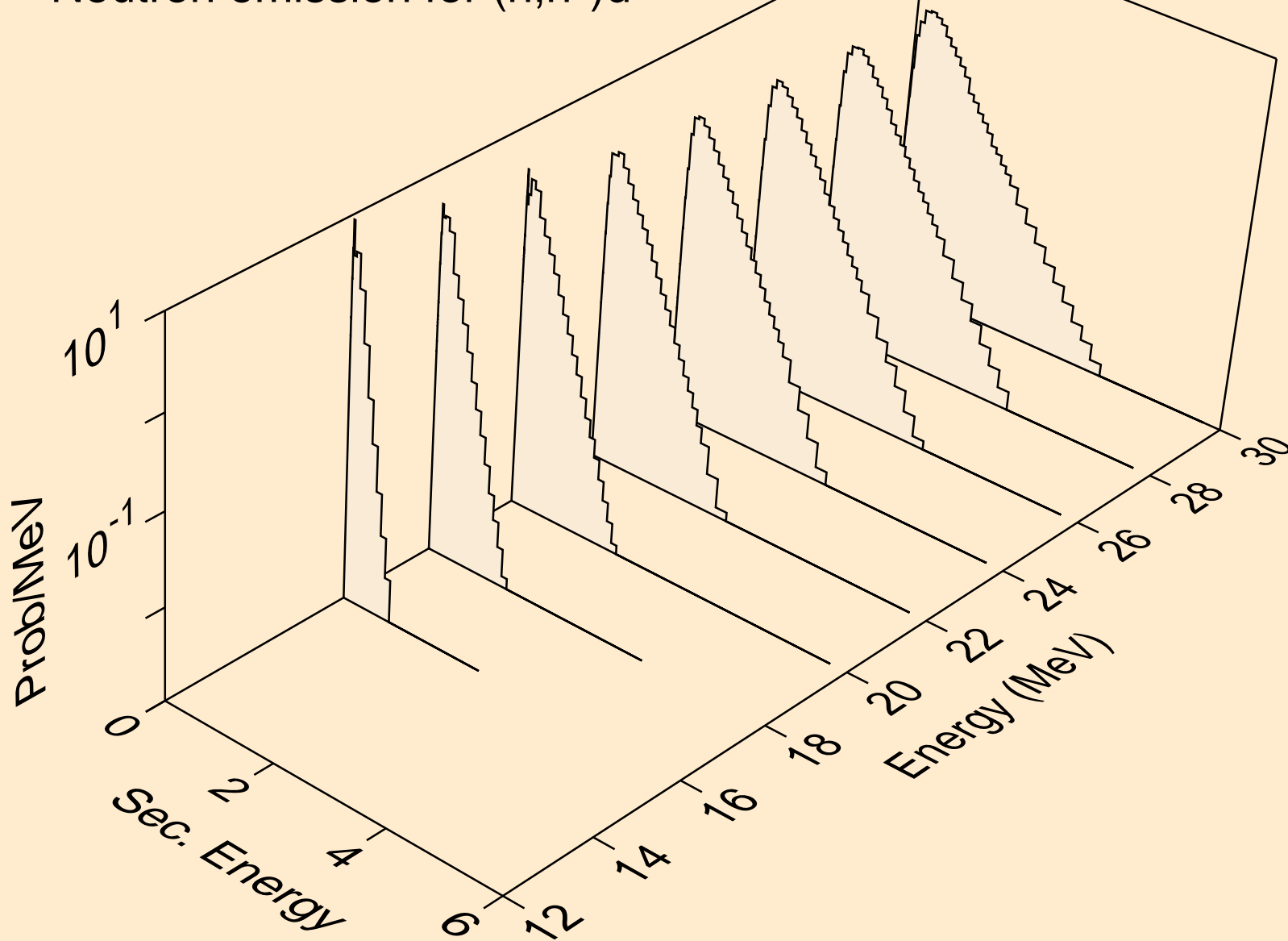
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Neutron emission for (n,3n)a



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

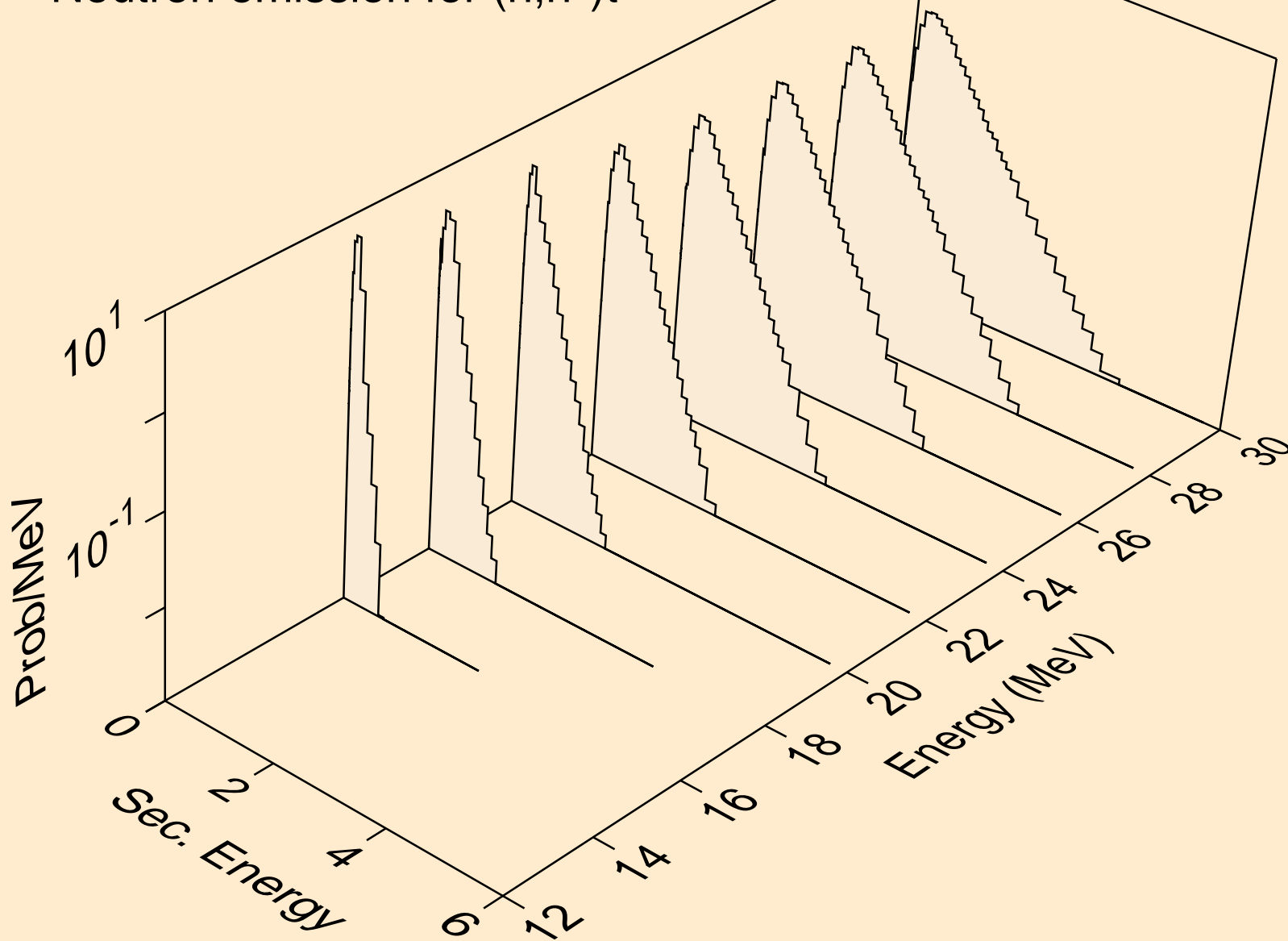


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Neutron emission for (n,n\*)d

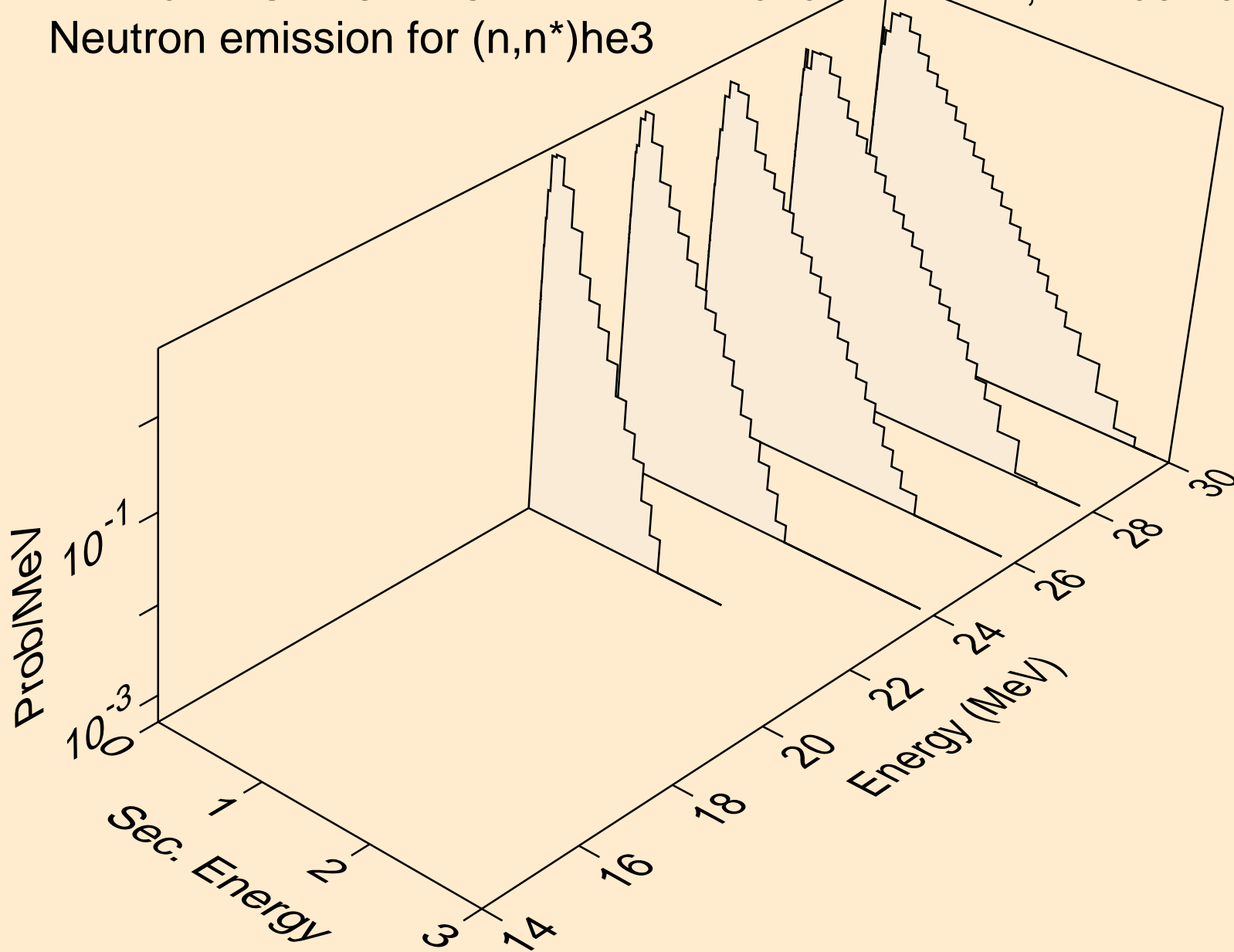




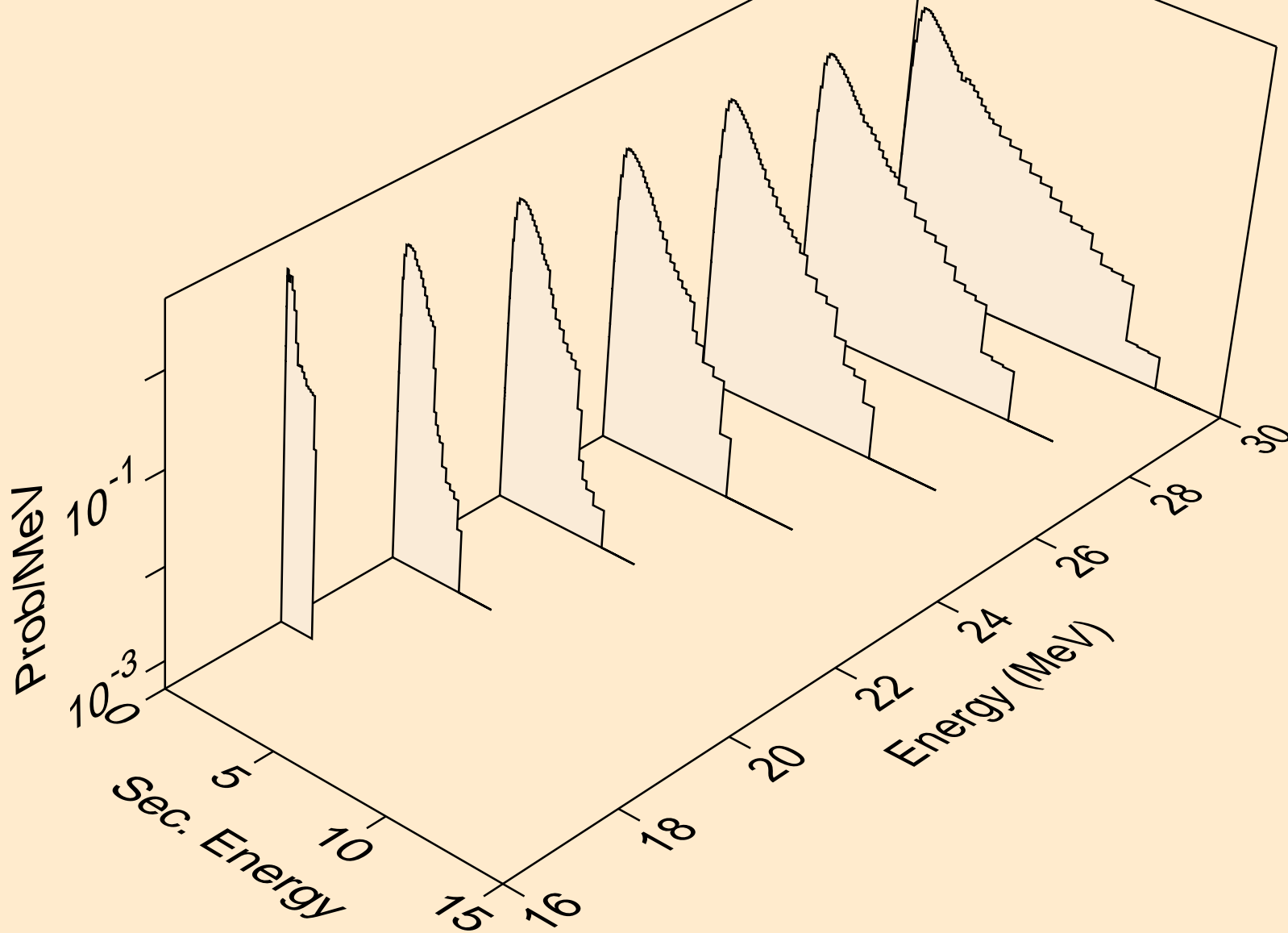
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Neutron emission for (n,n\*)t



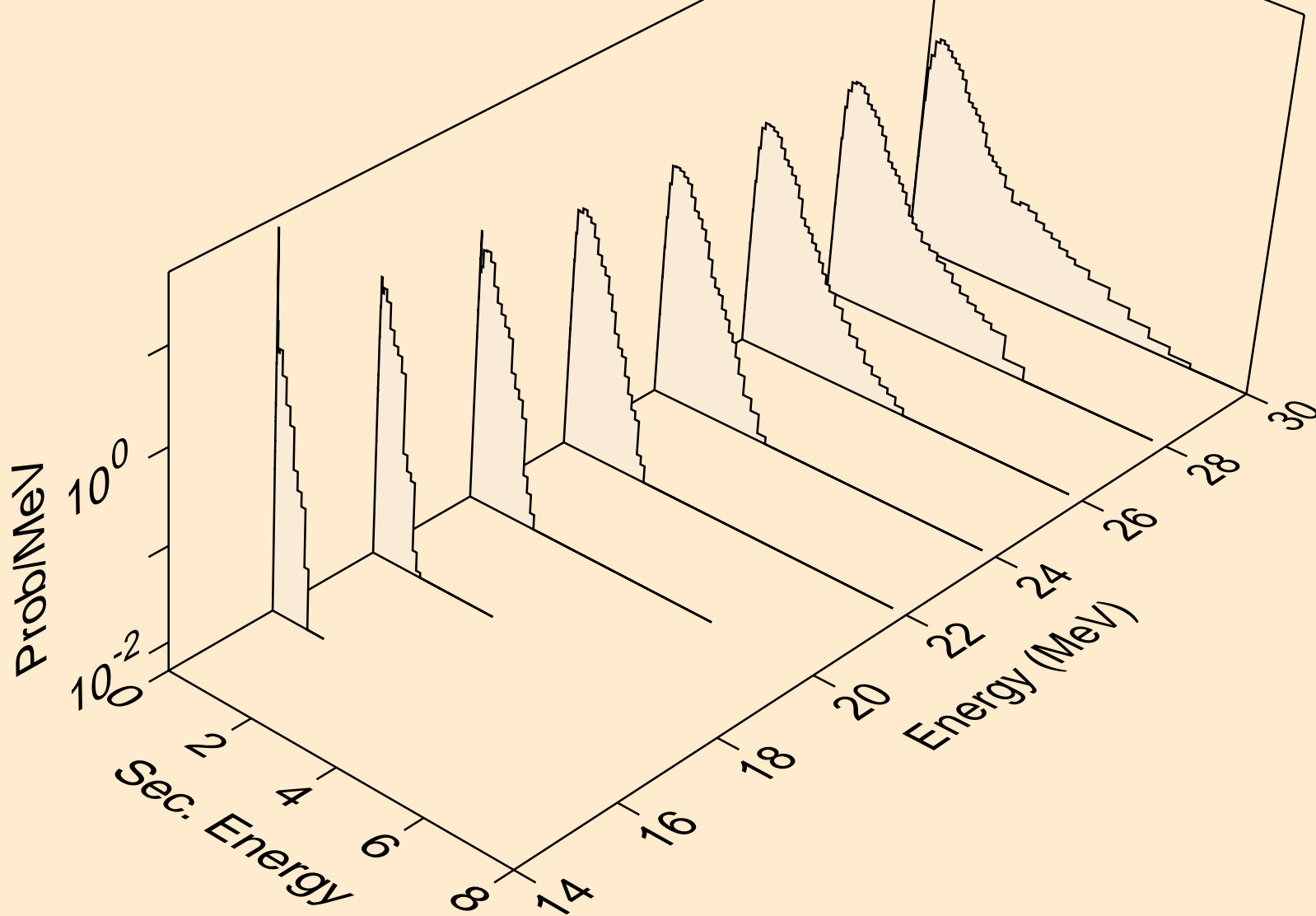
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Neutron emission for (n,n\*)he3



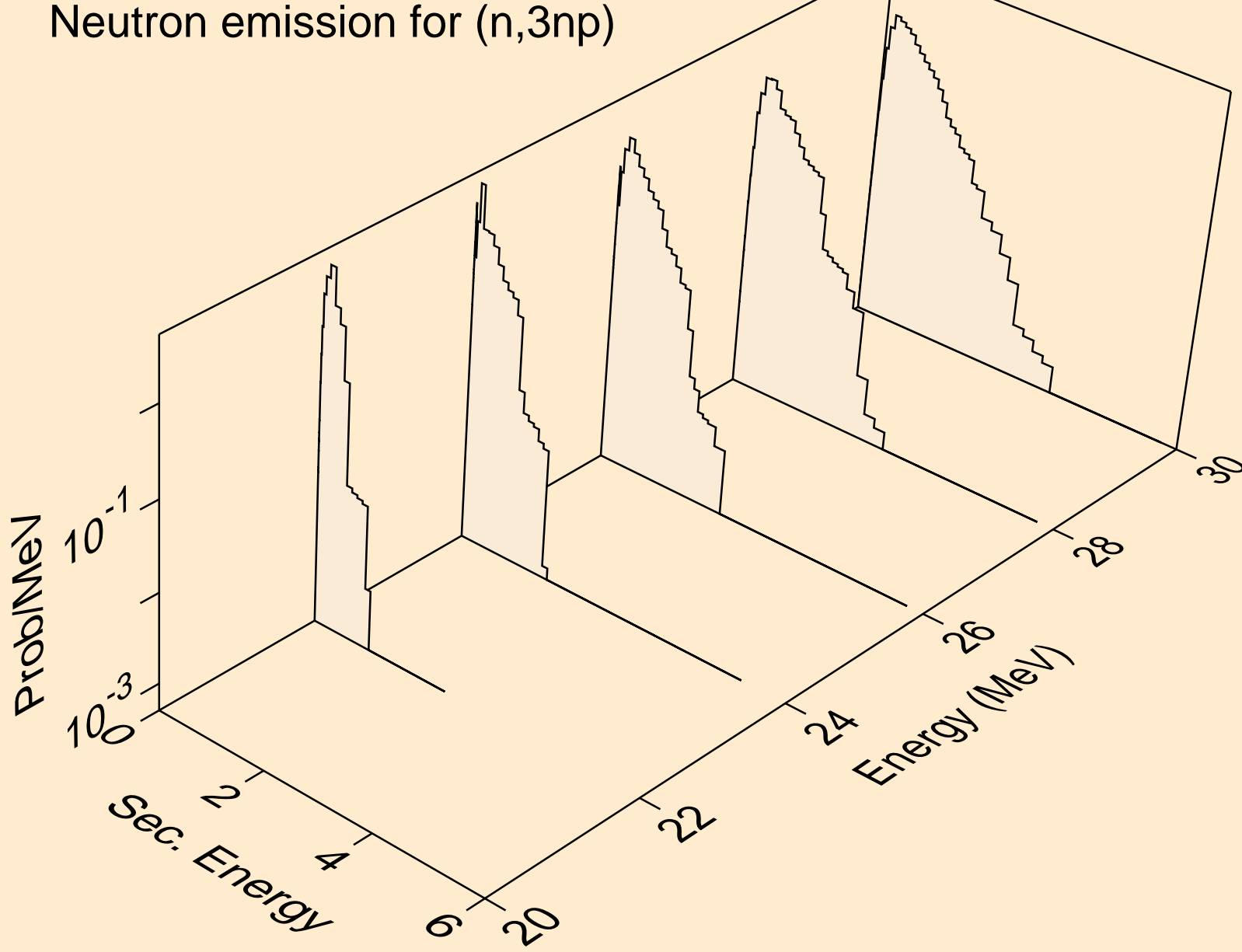
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Neutron emission for (n,4n)



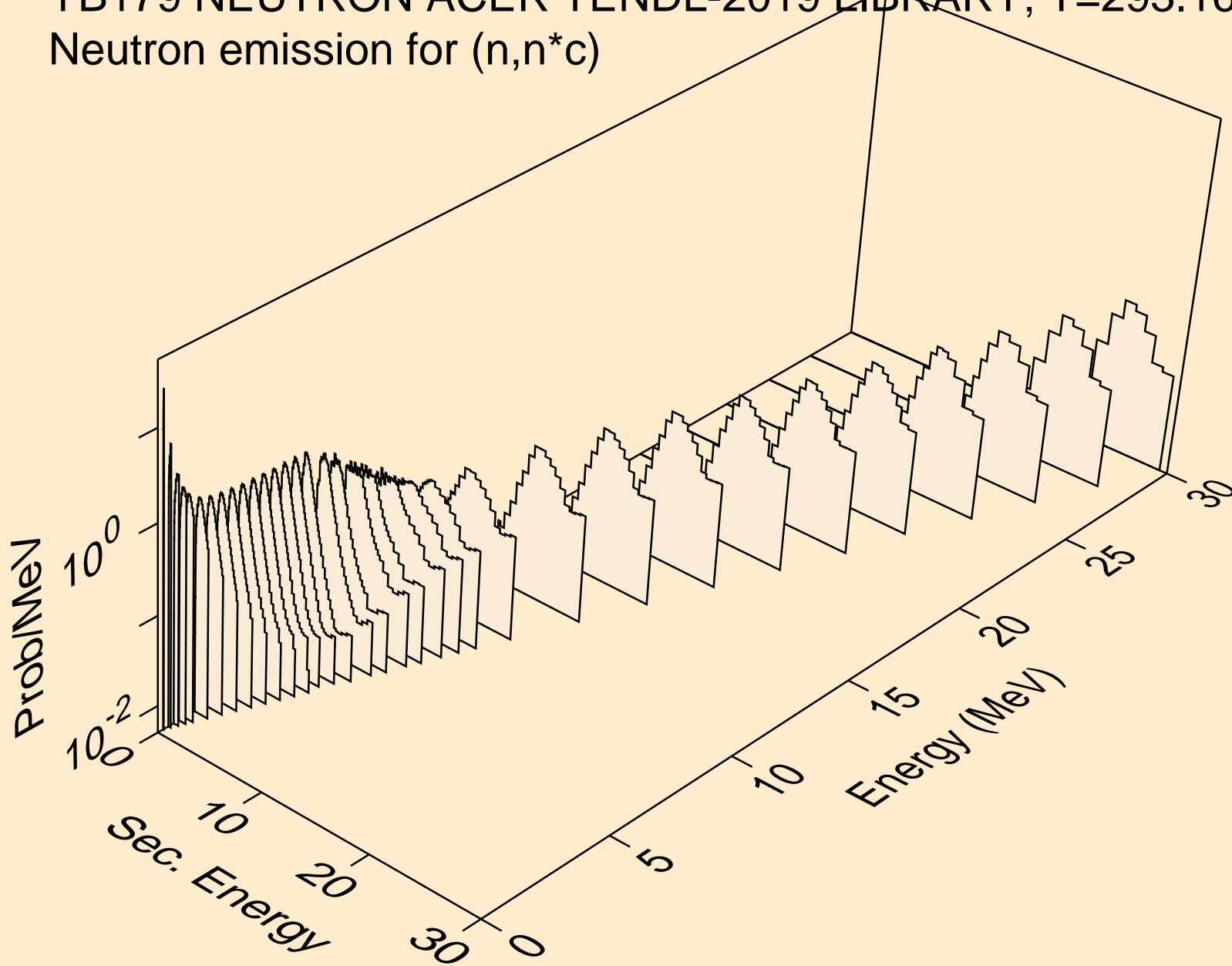
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Neutron emission for (n,2np)



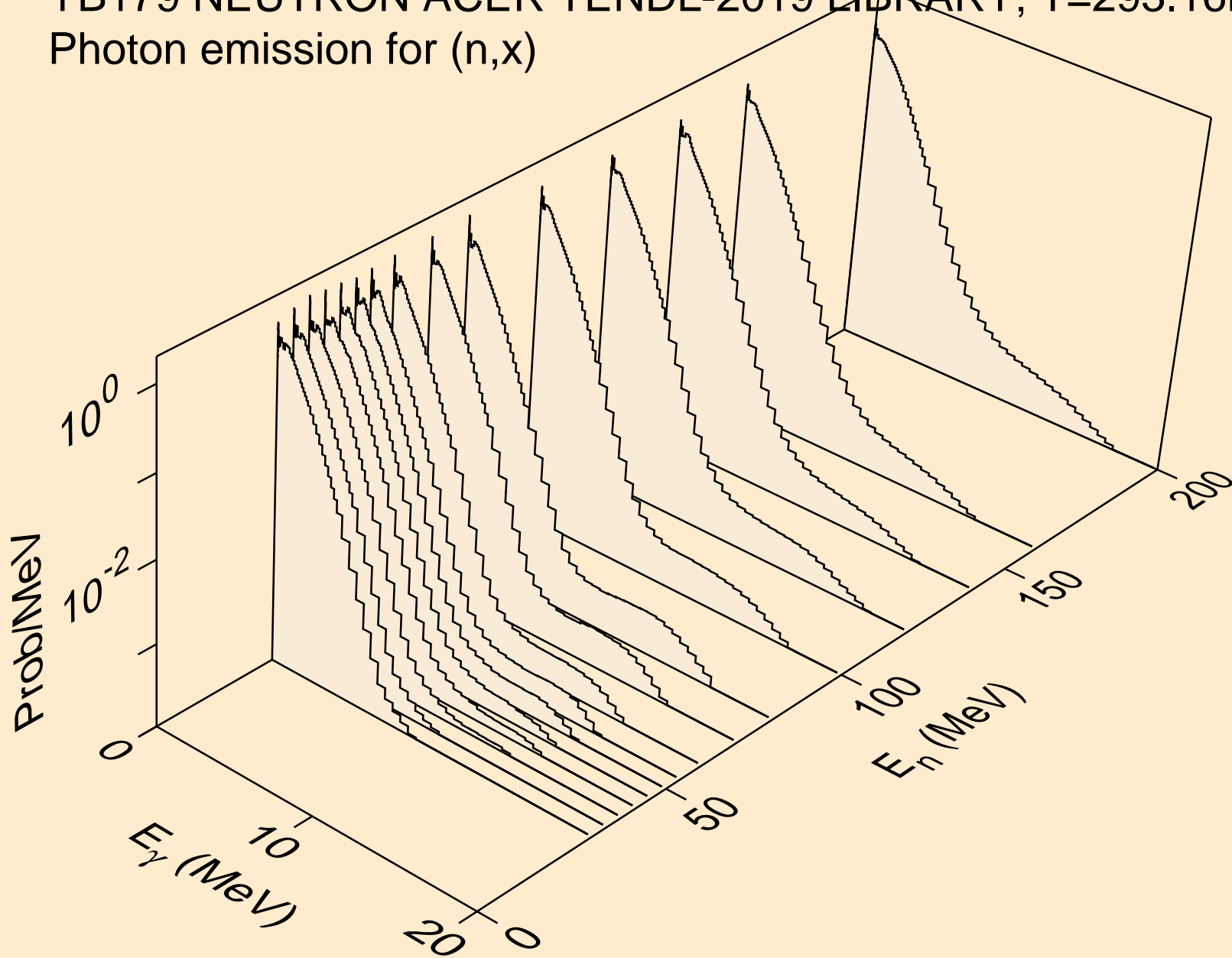
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Neutron emission for (n,3np)



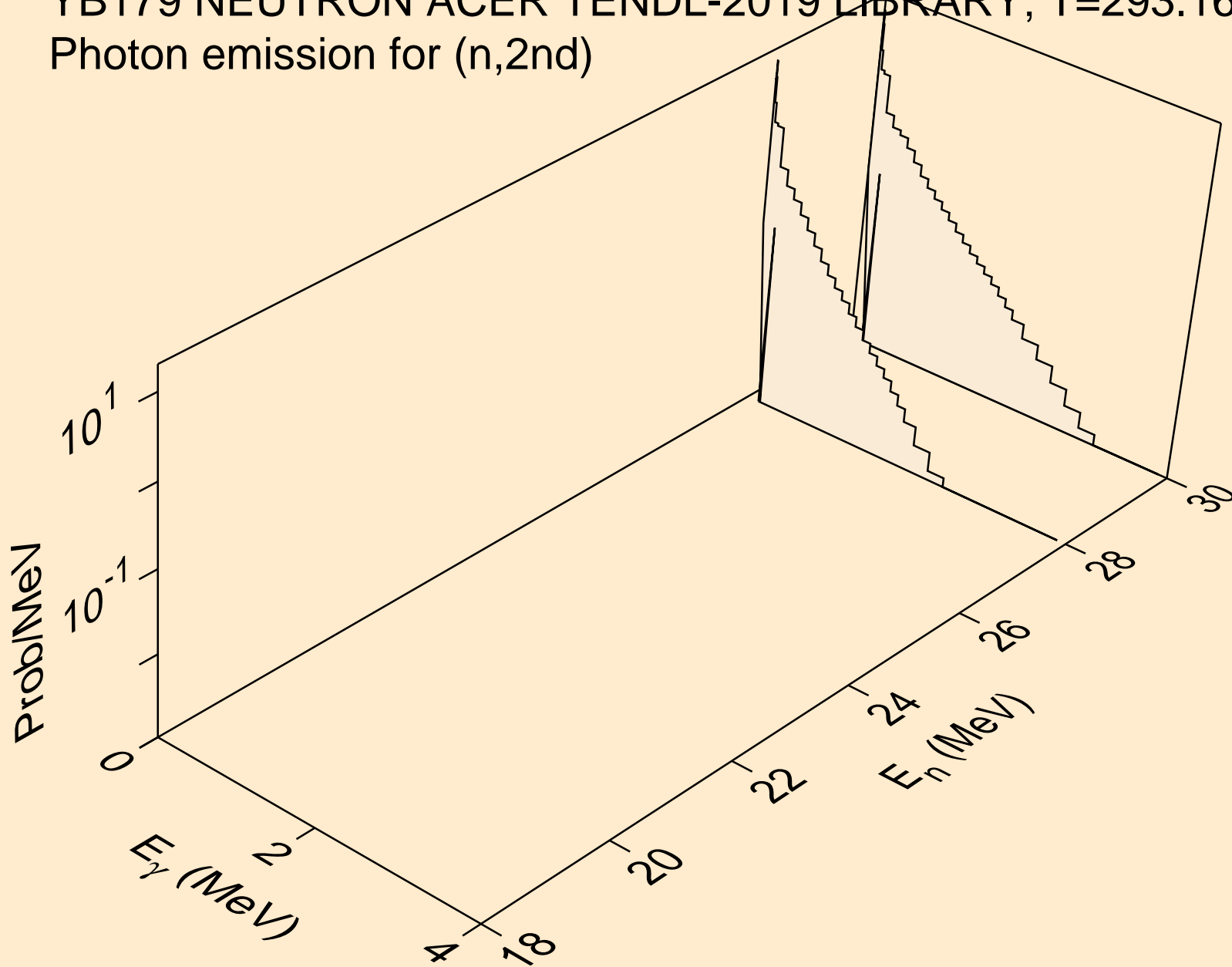
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Neutron emission for (n,n\*c)



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

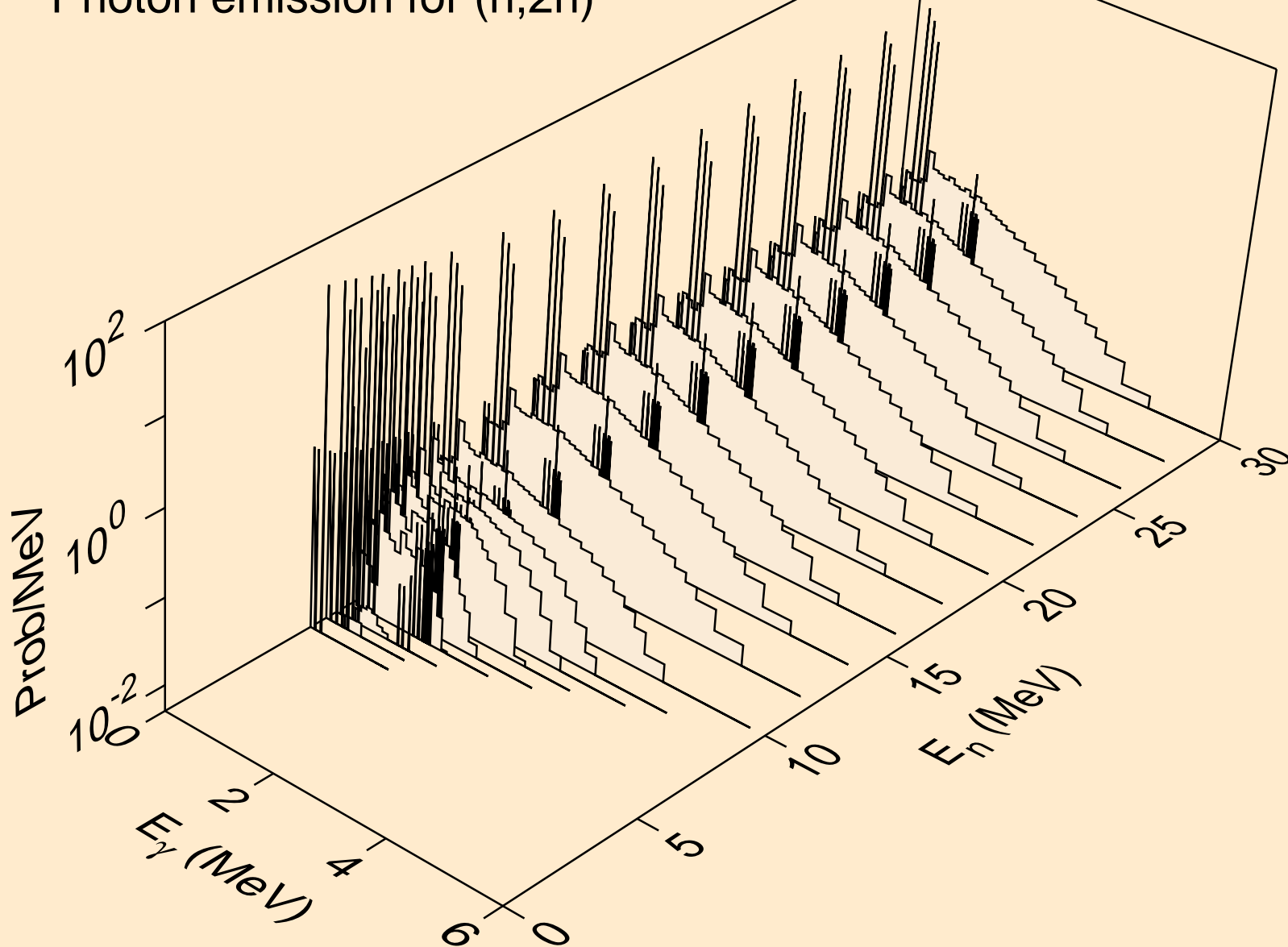


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Photon emission for (n,2nd)

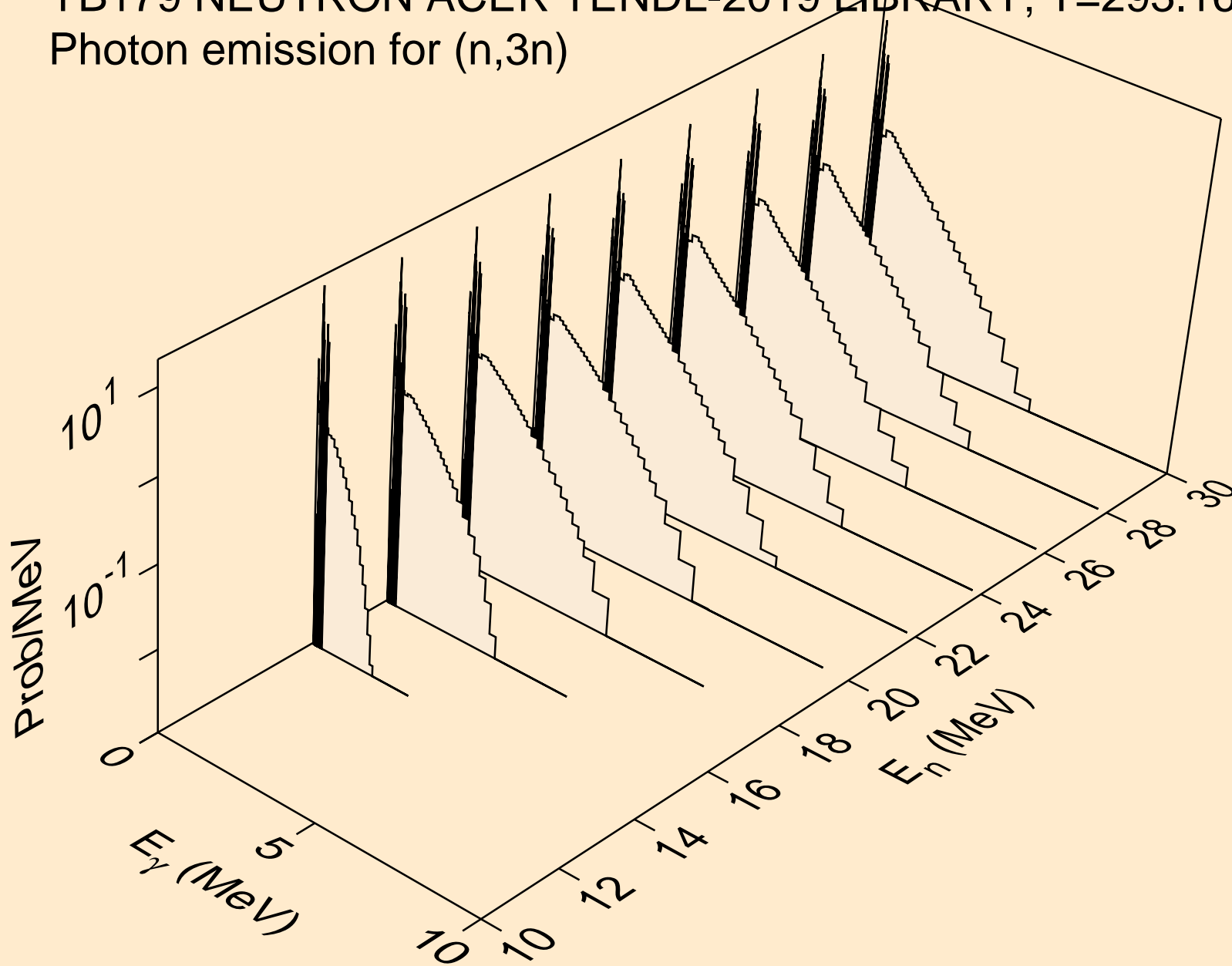




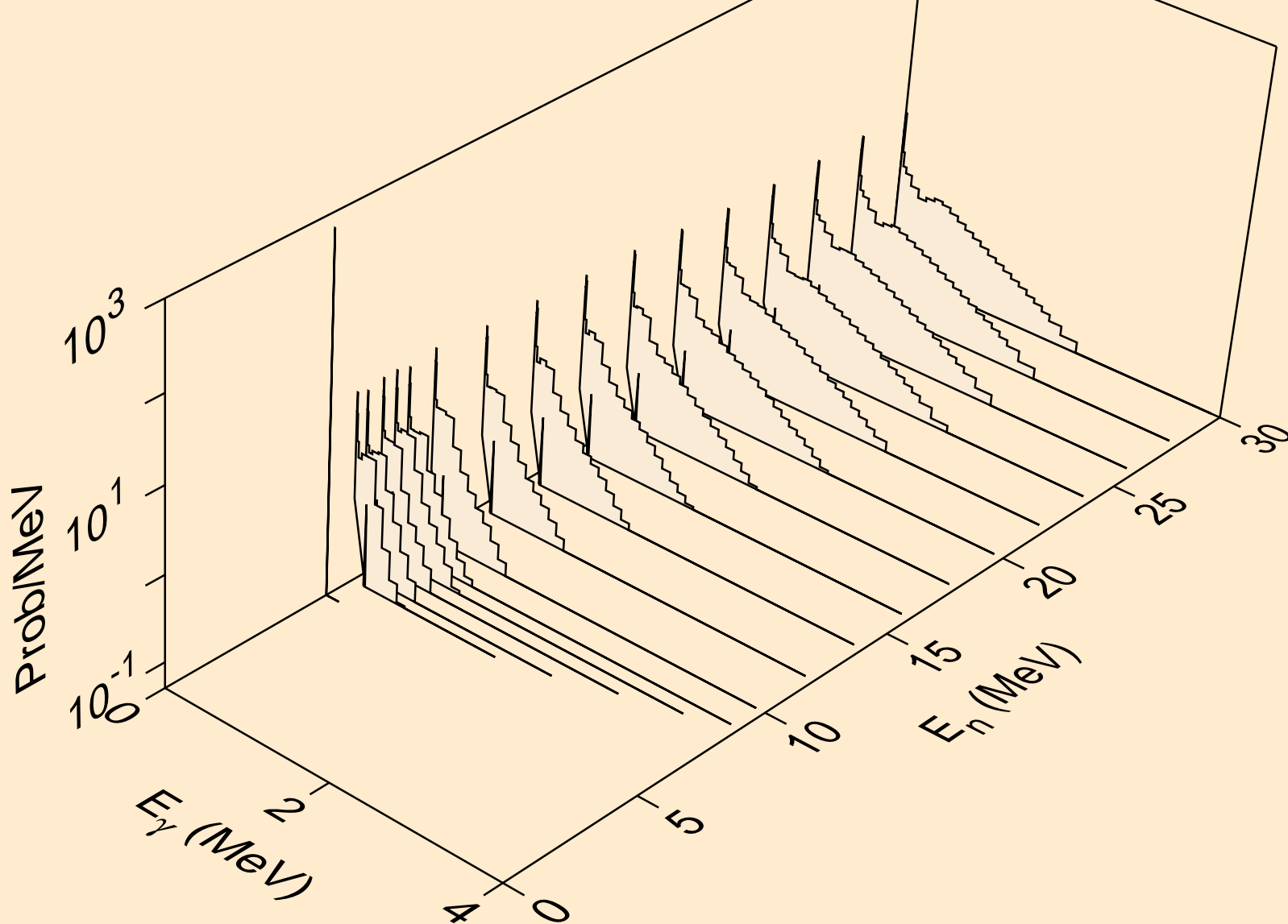
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Photon emission for (n,2n)



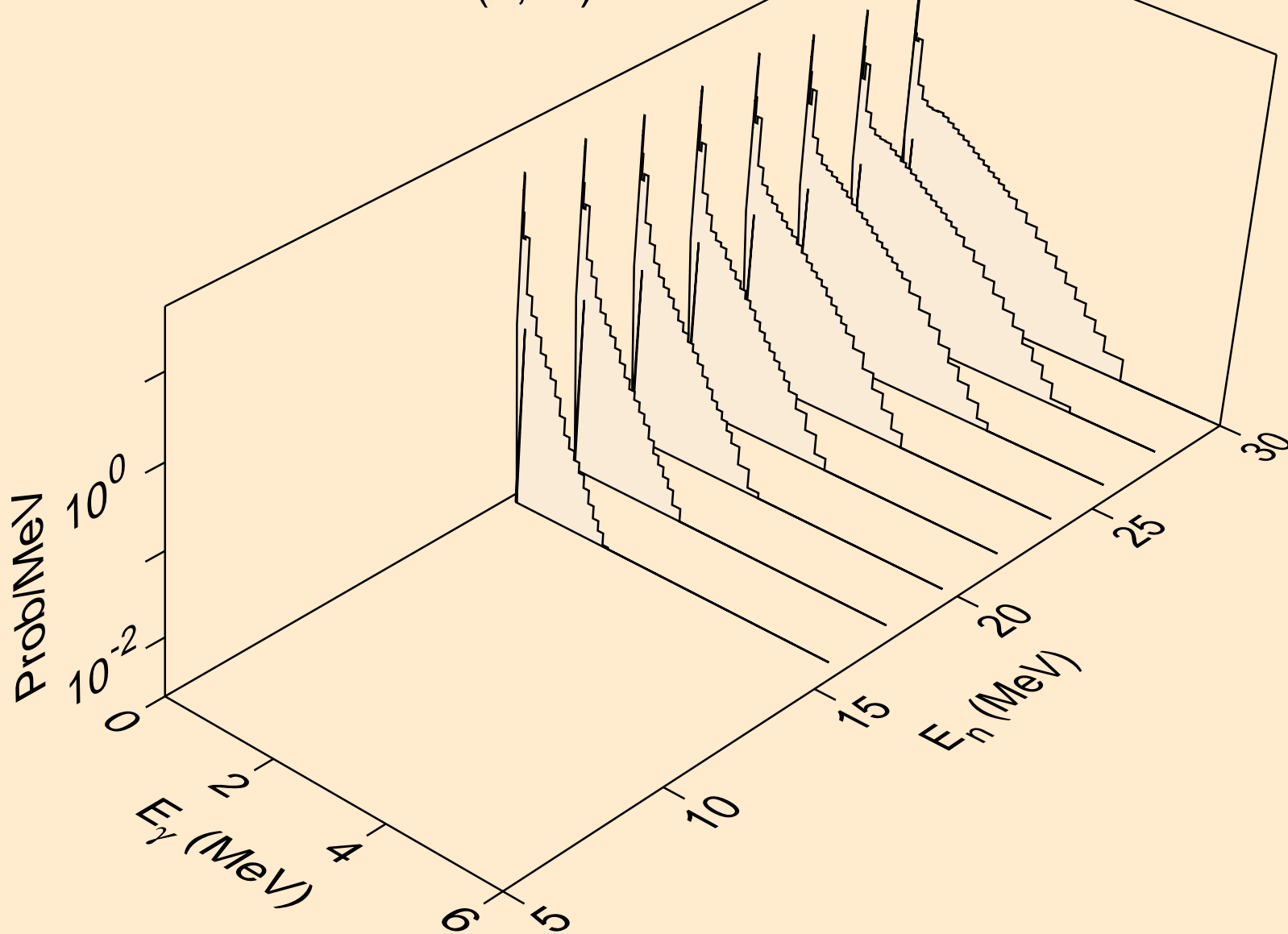
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Photon emission for (n,3n)



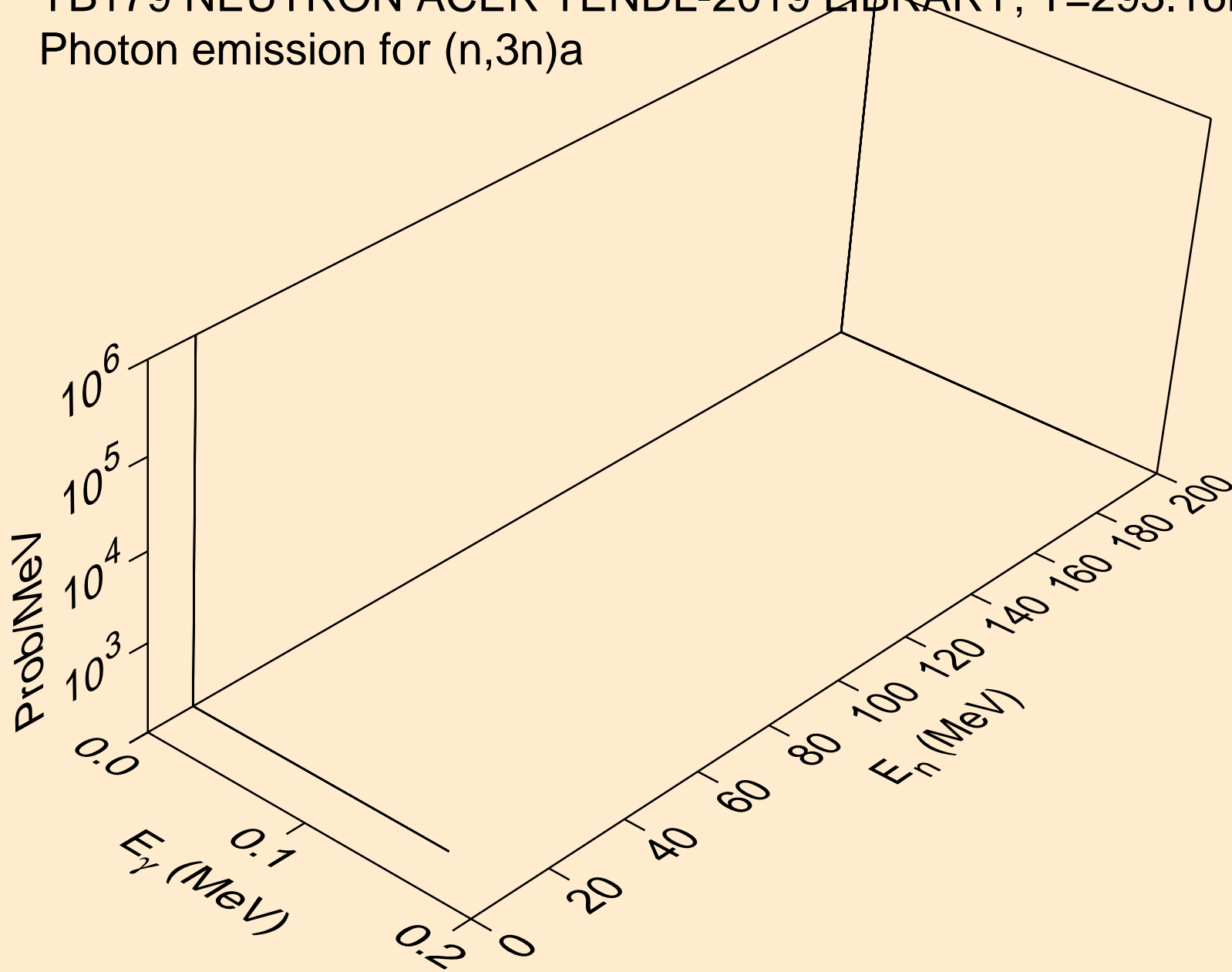
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Photon emission for (n,n\*)a



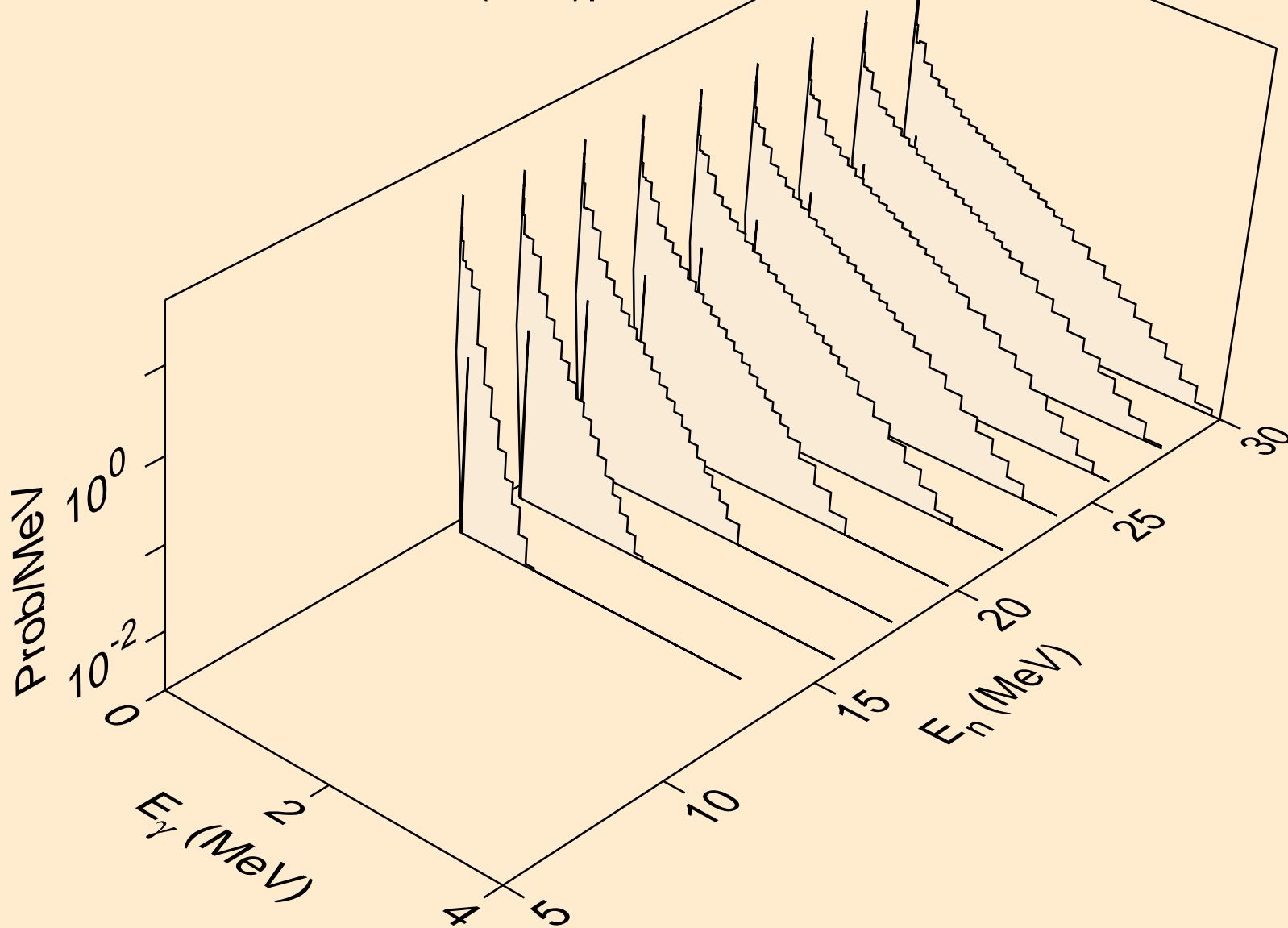
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Photon emission for (n,2n) $\alpha$



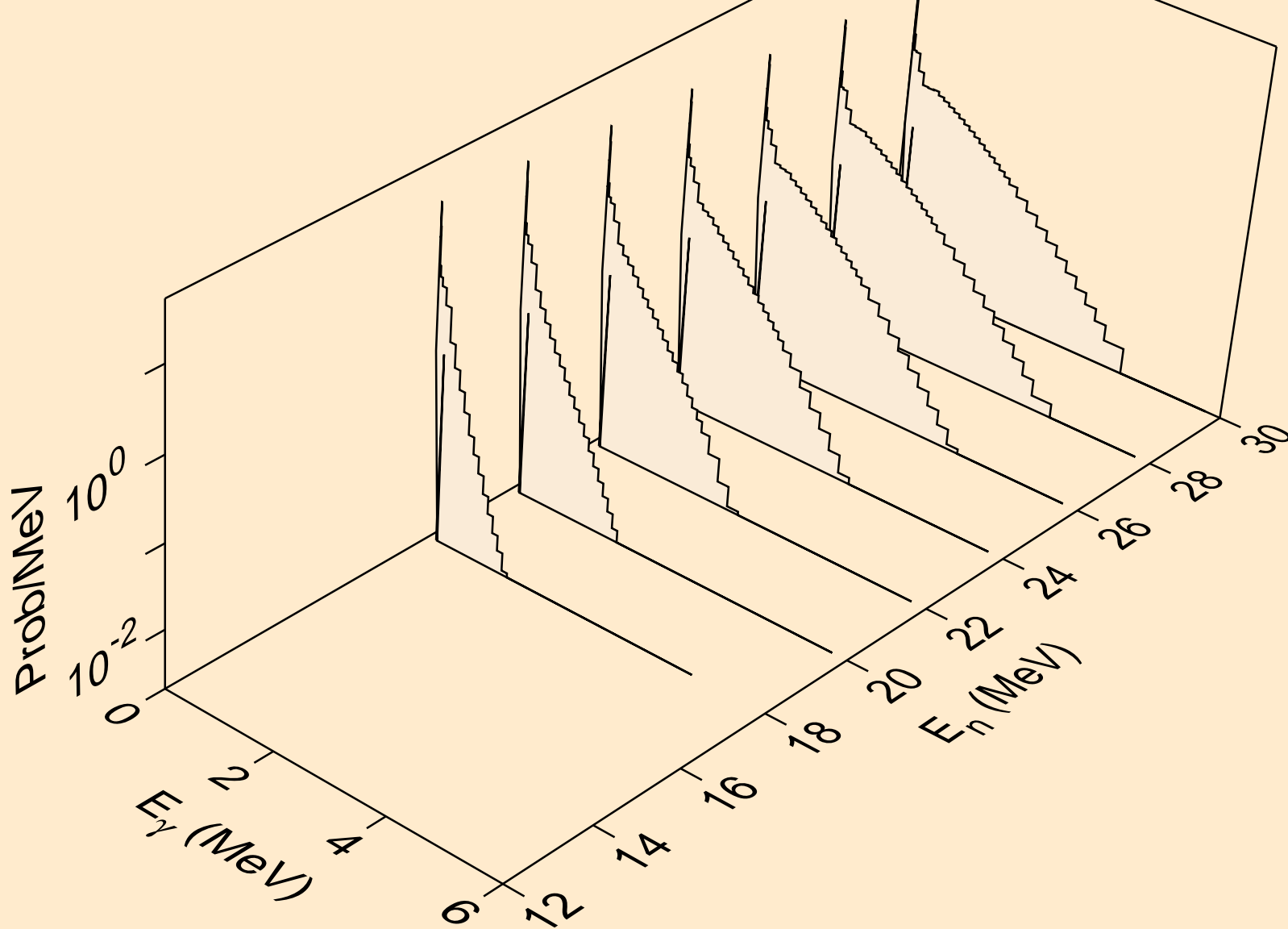
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Photon emission for (n,3n)a



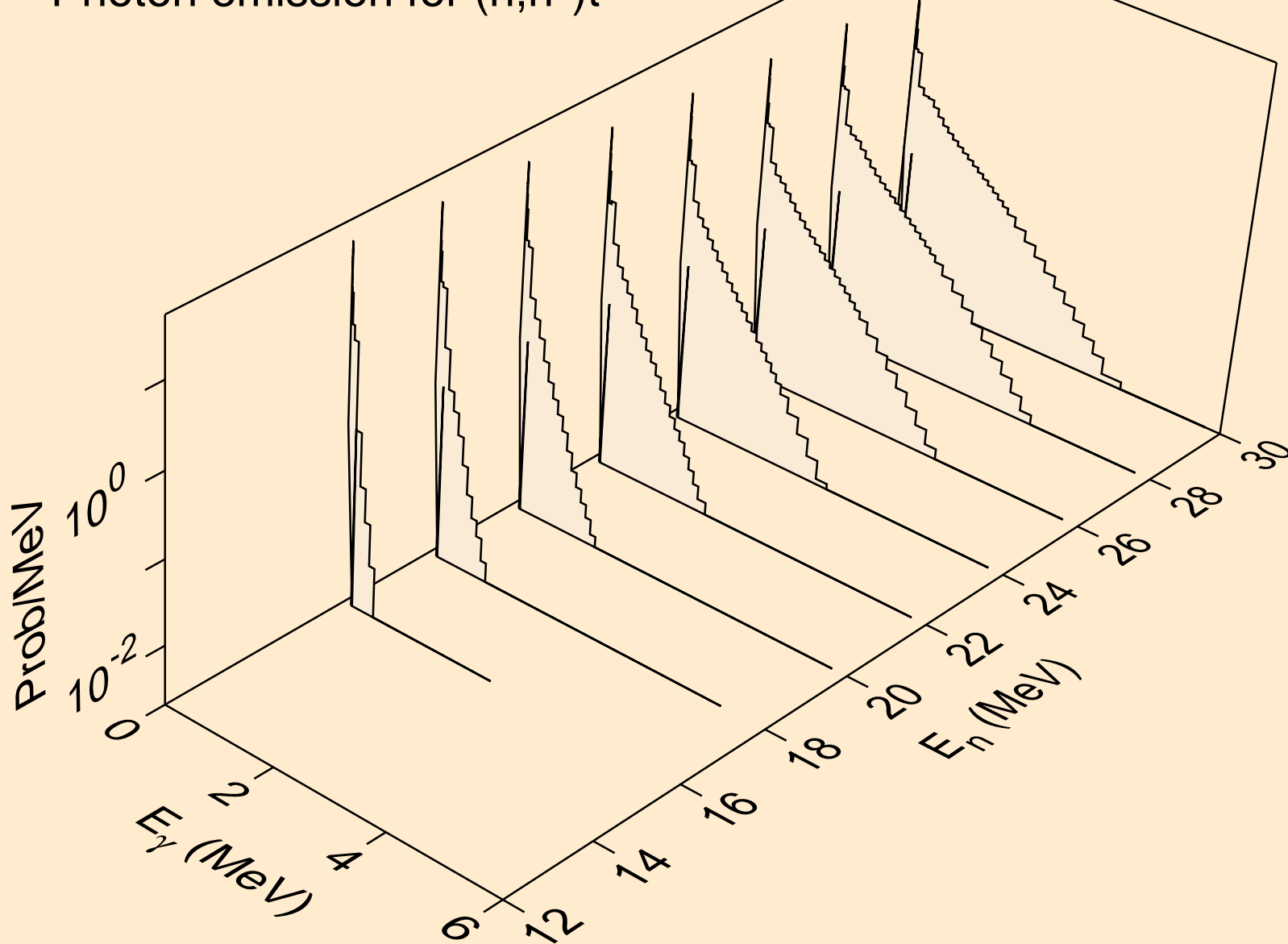
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Photon emission for (n,n\*)p



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Photon emission for (n,n\*)d

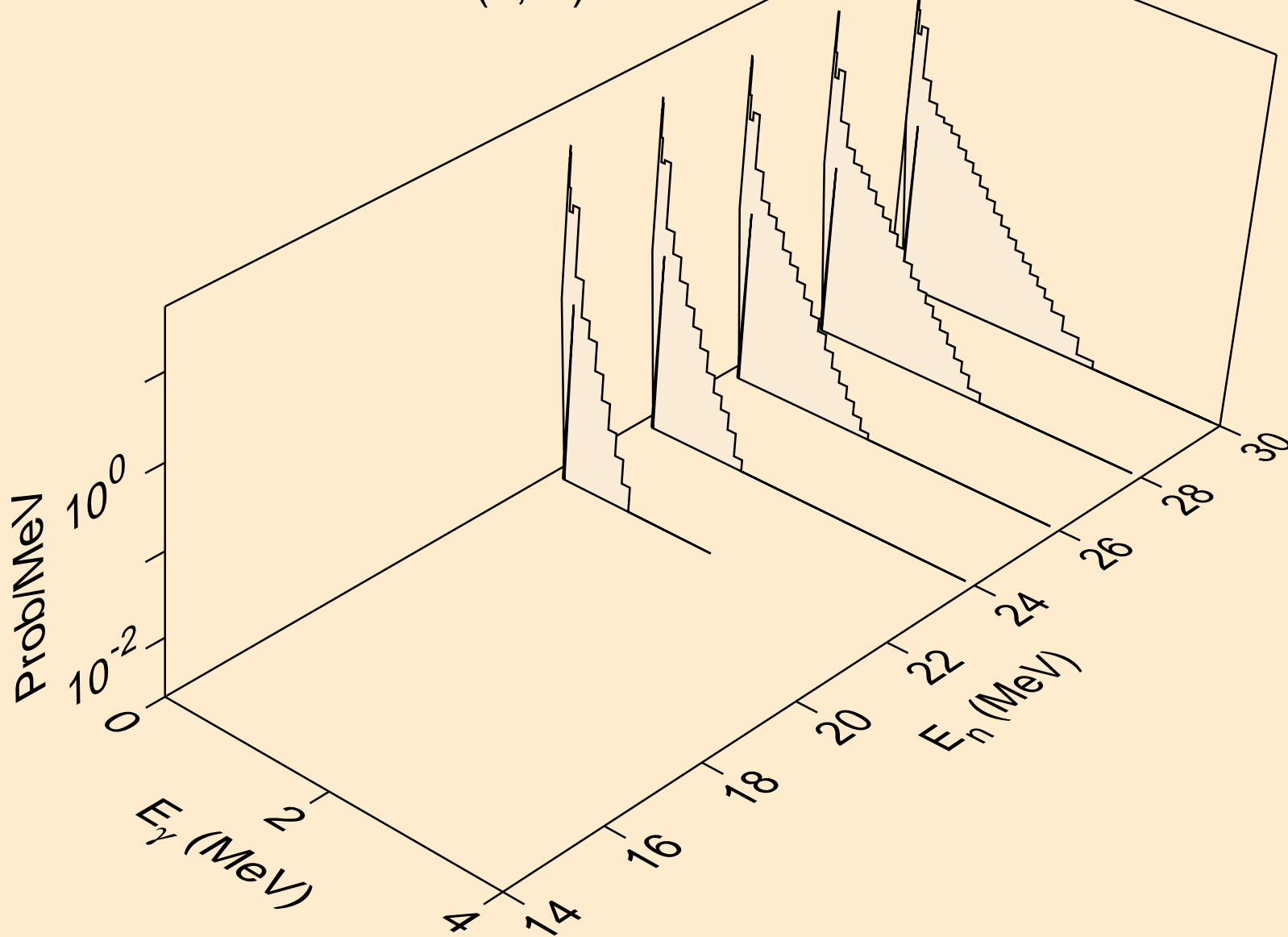


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Photon emission for (n,n\*)t

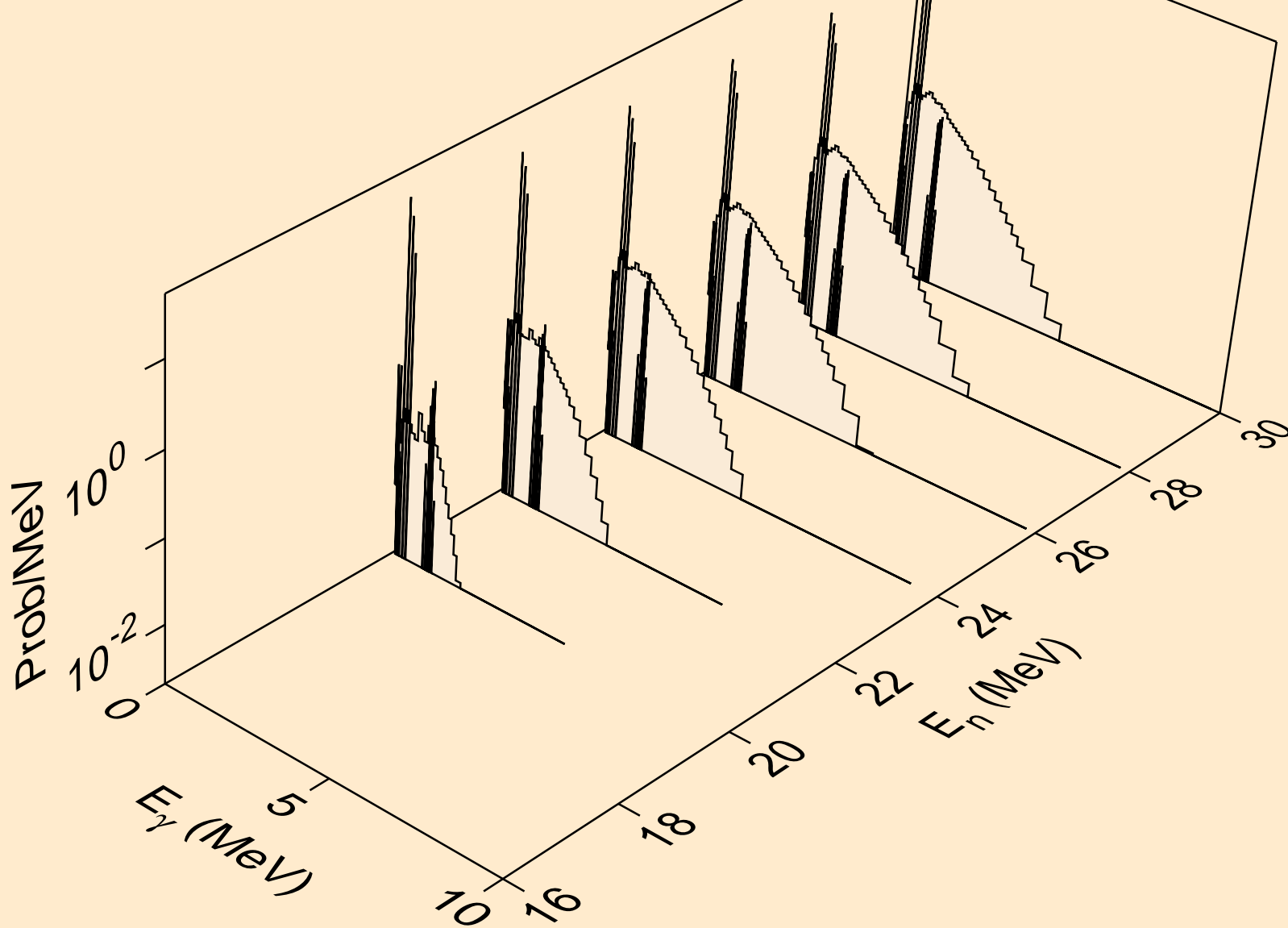




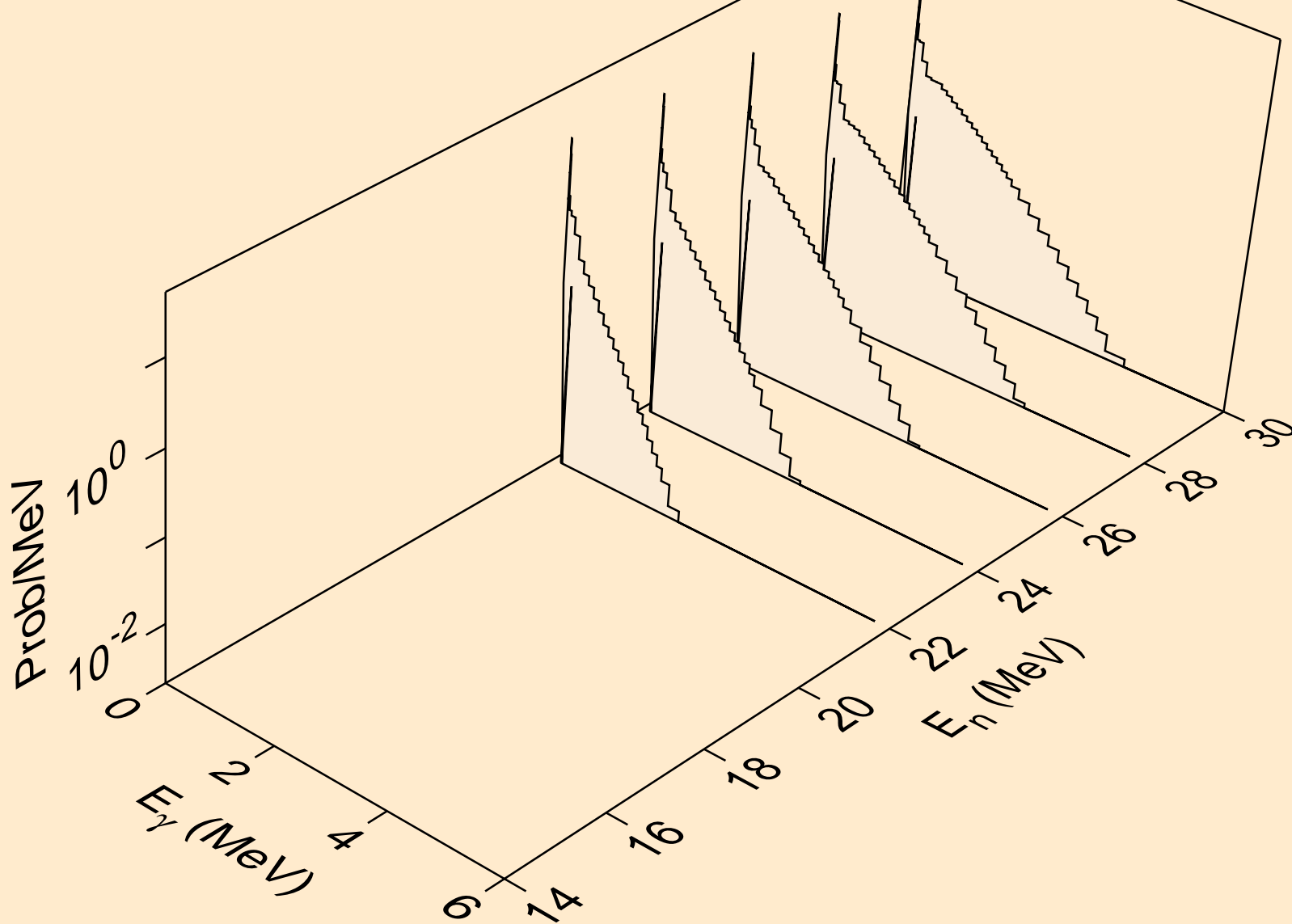
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Photon emission for (n,n\*)he3



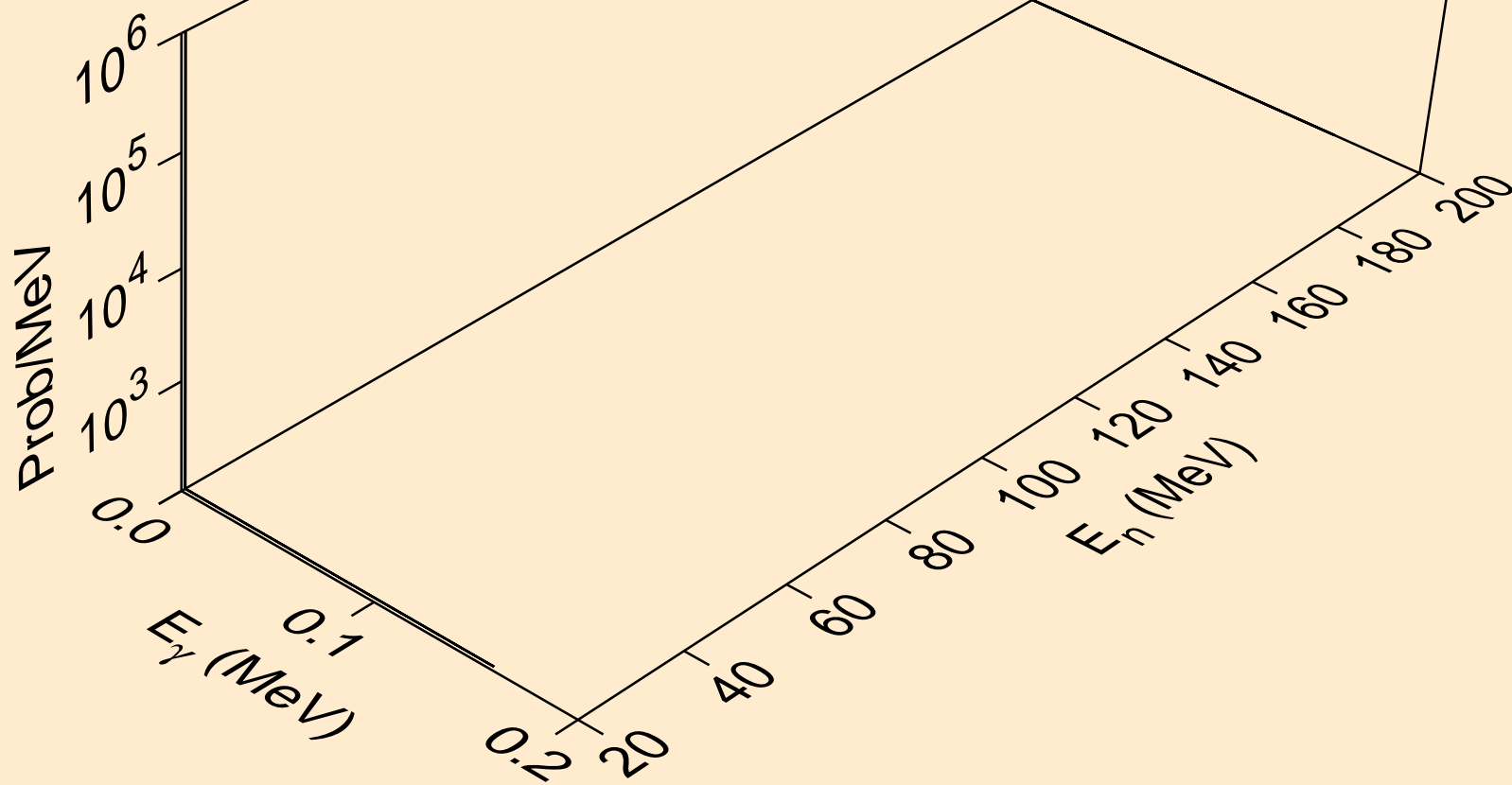
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Photon emission for (n,4n)



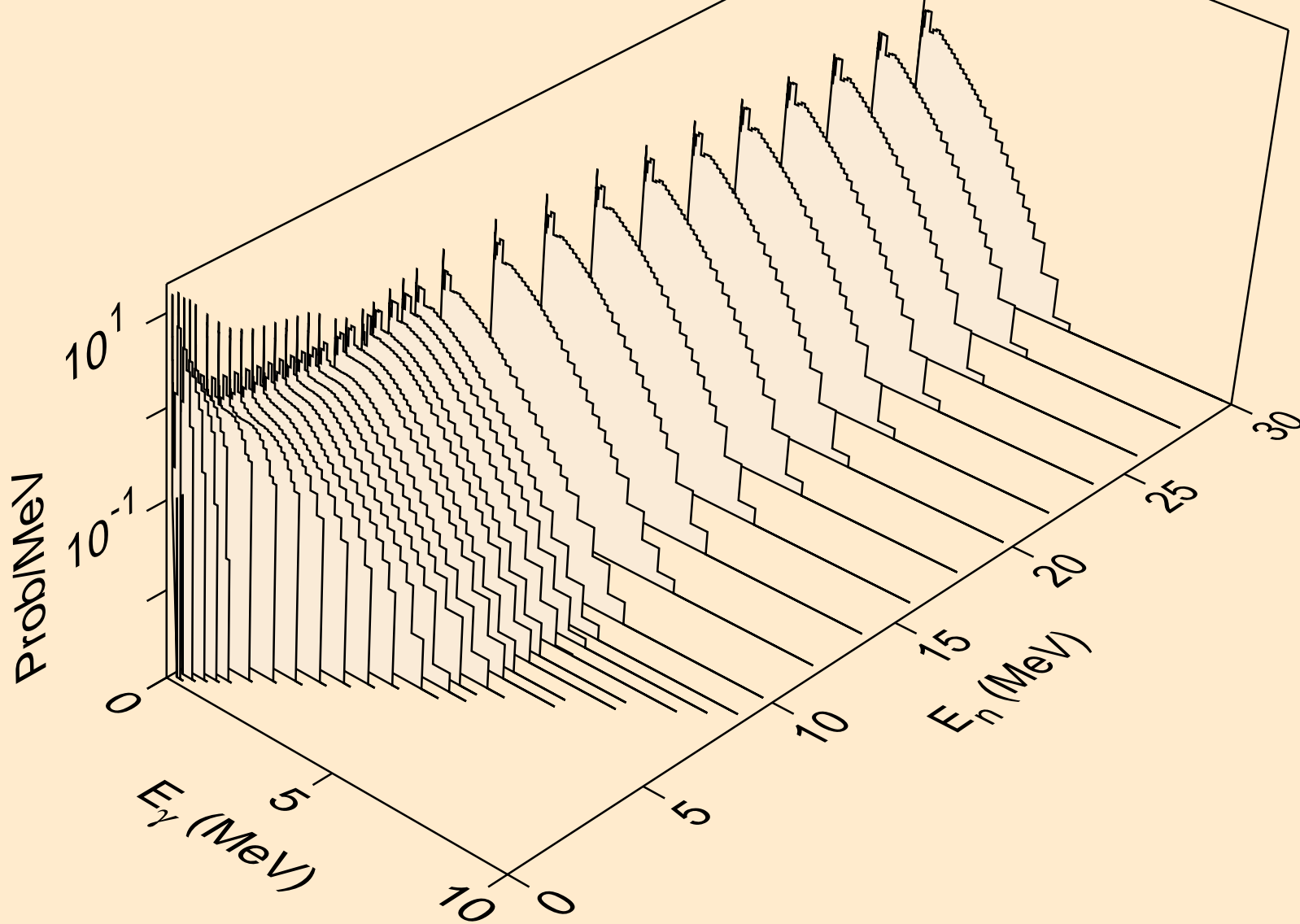
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Photon emission for (n,2np)



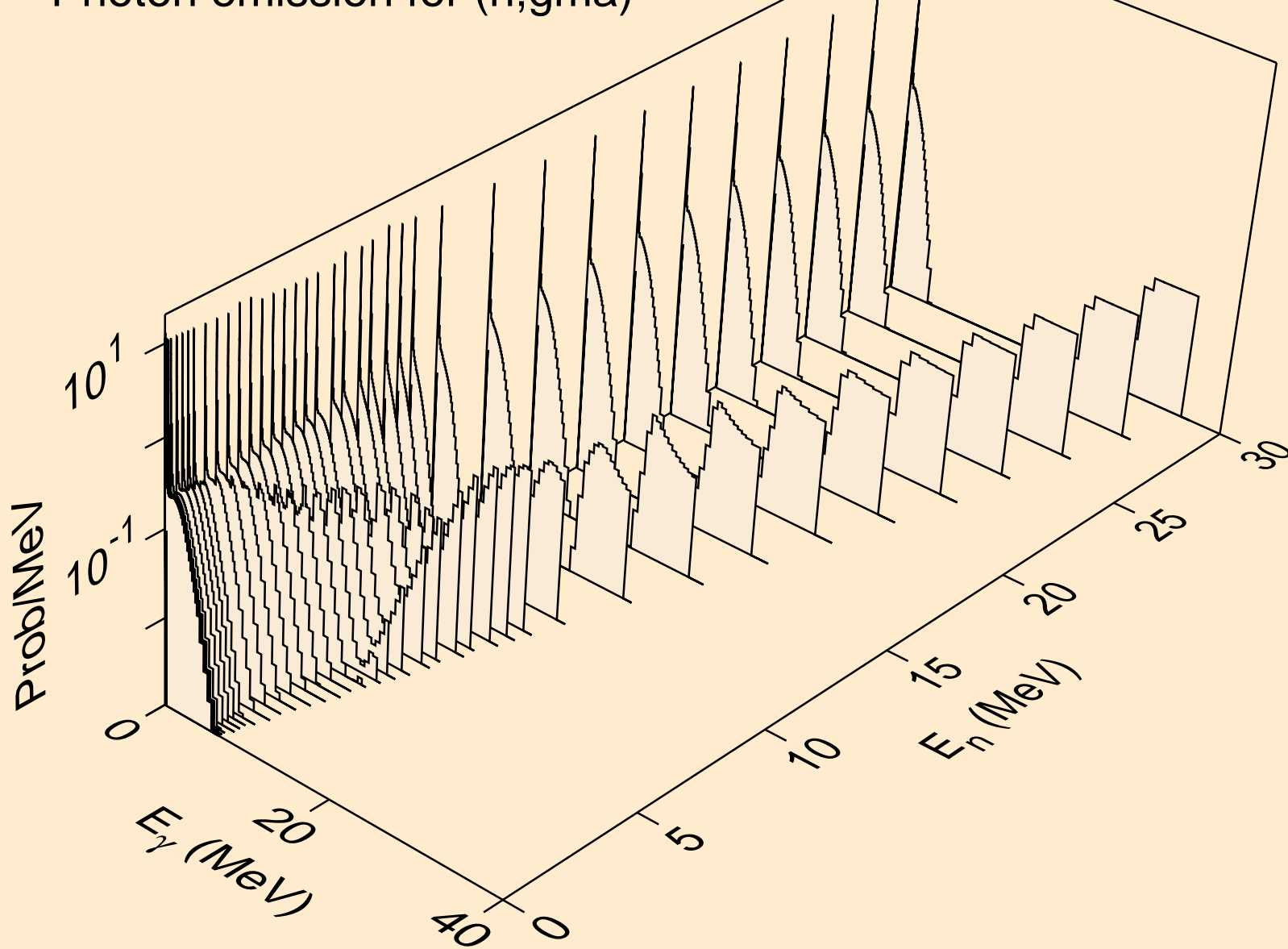
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Photon emission for (n,3np)



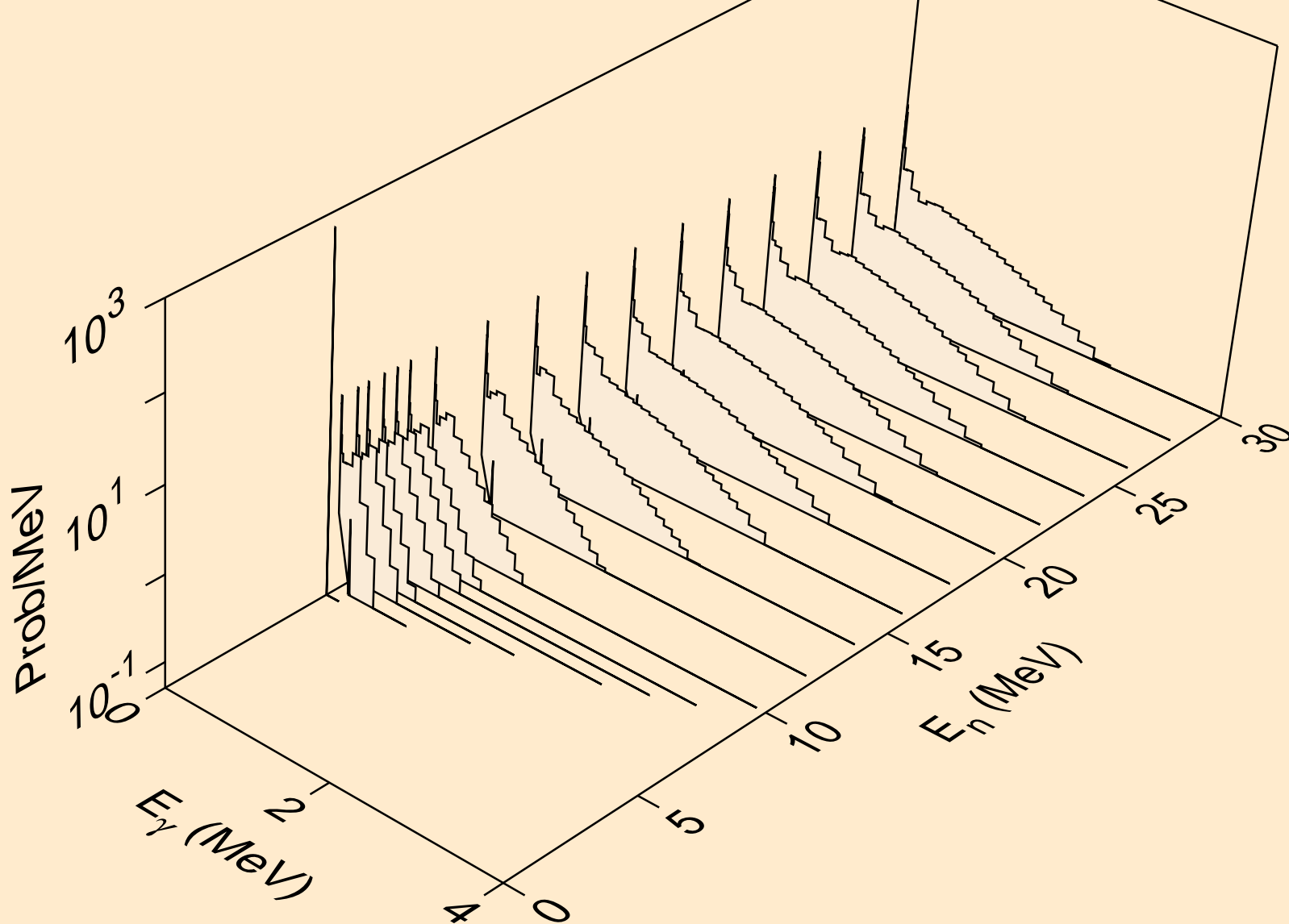
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Photon emission for (n,n\*c)



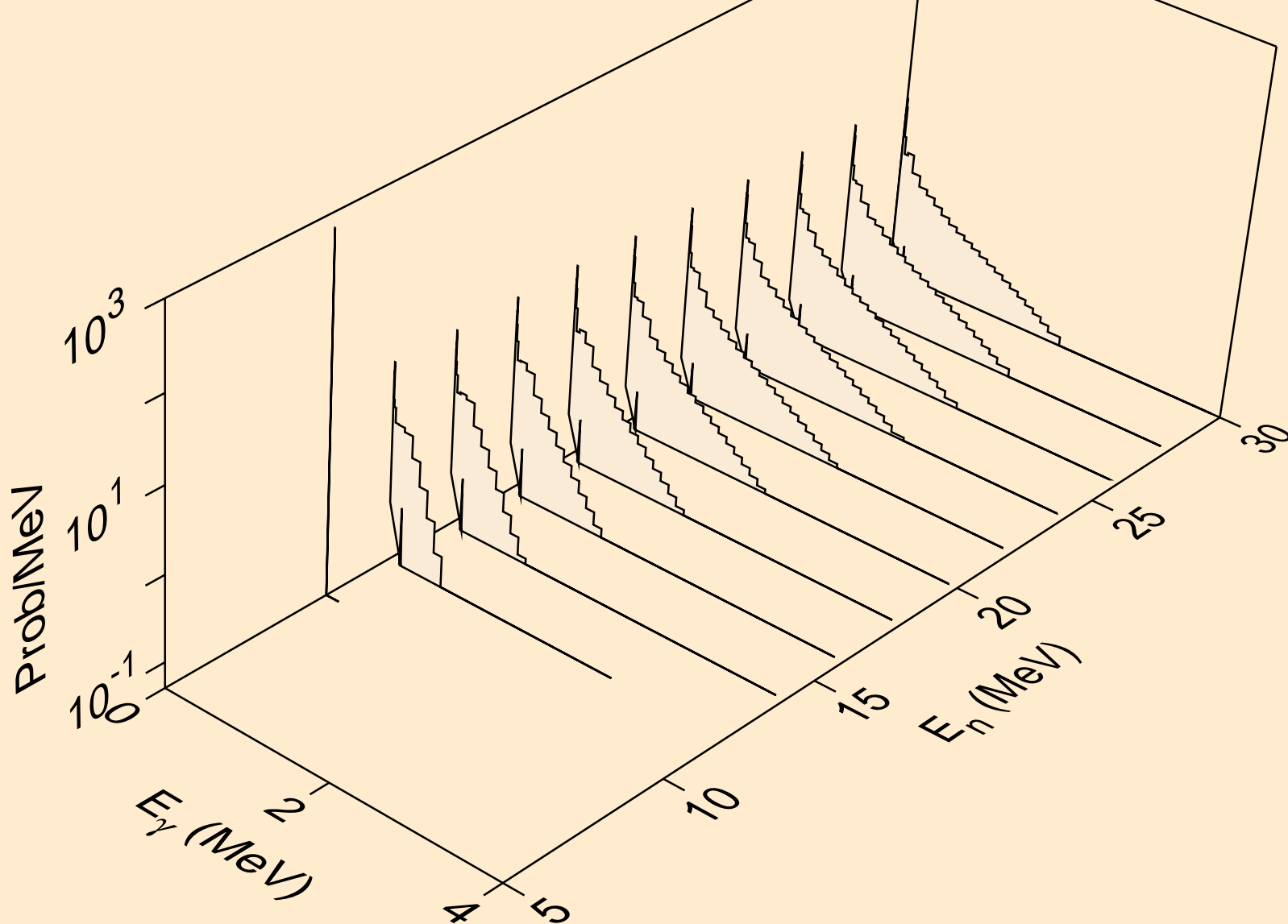
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Photon emission for (n,gma)



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

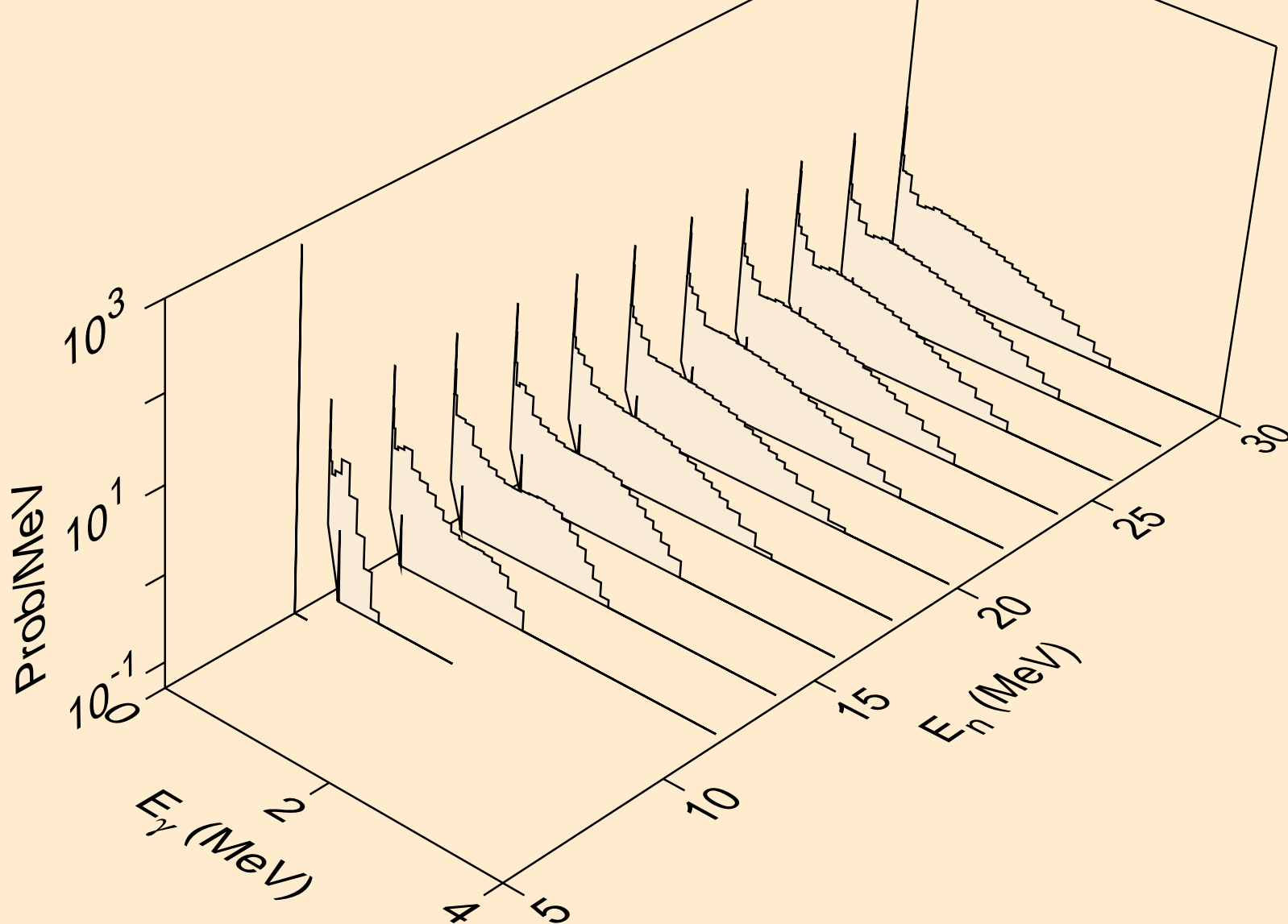


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Photon emission for (n,d)

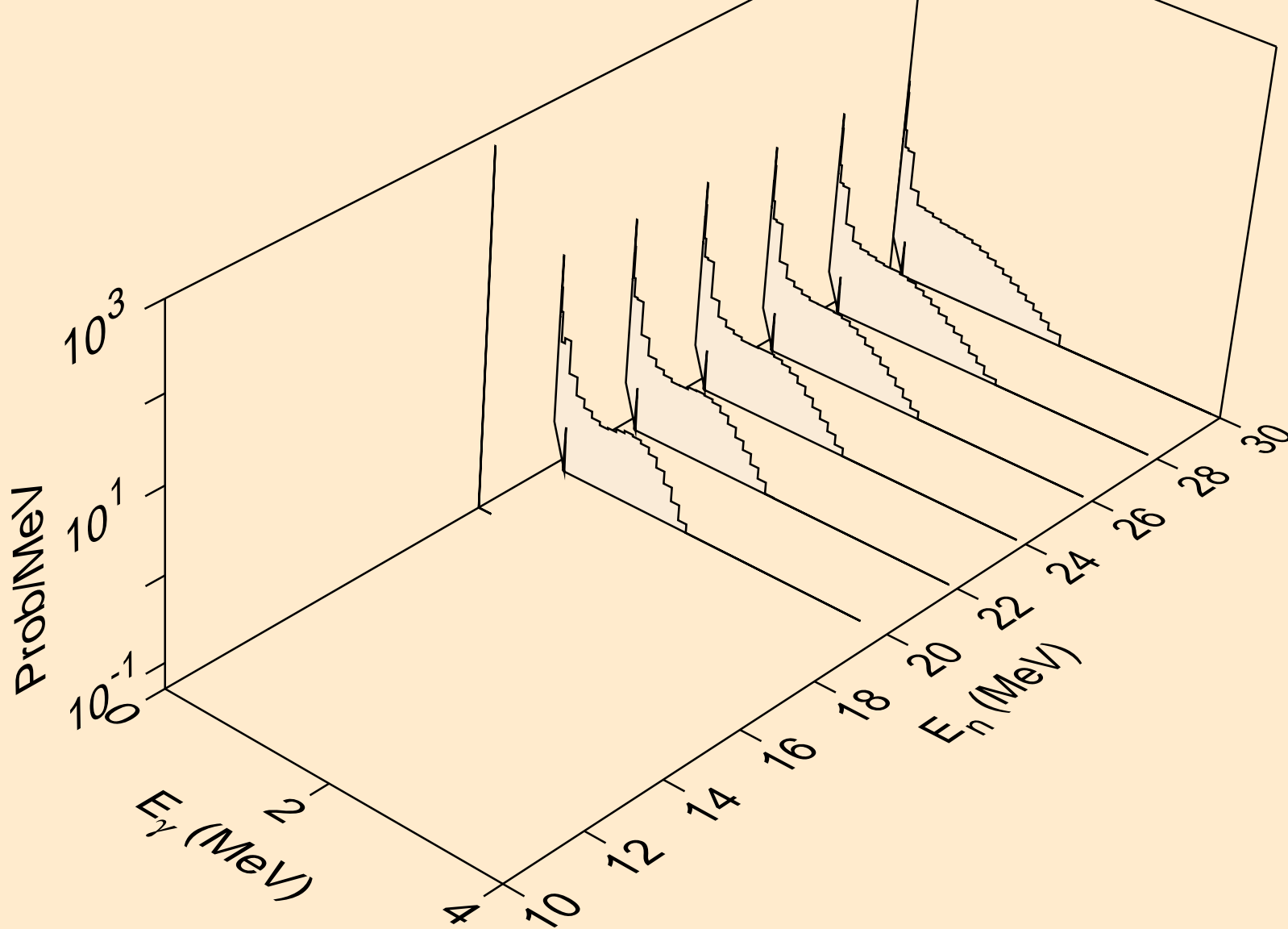




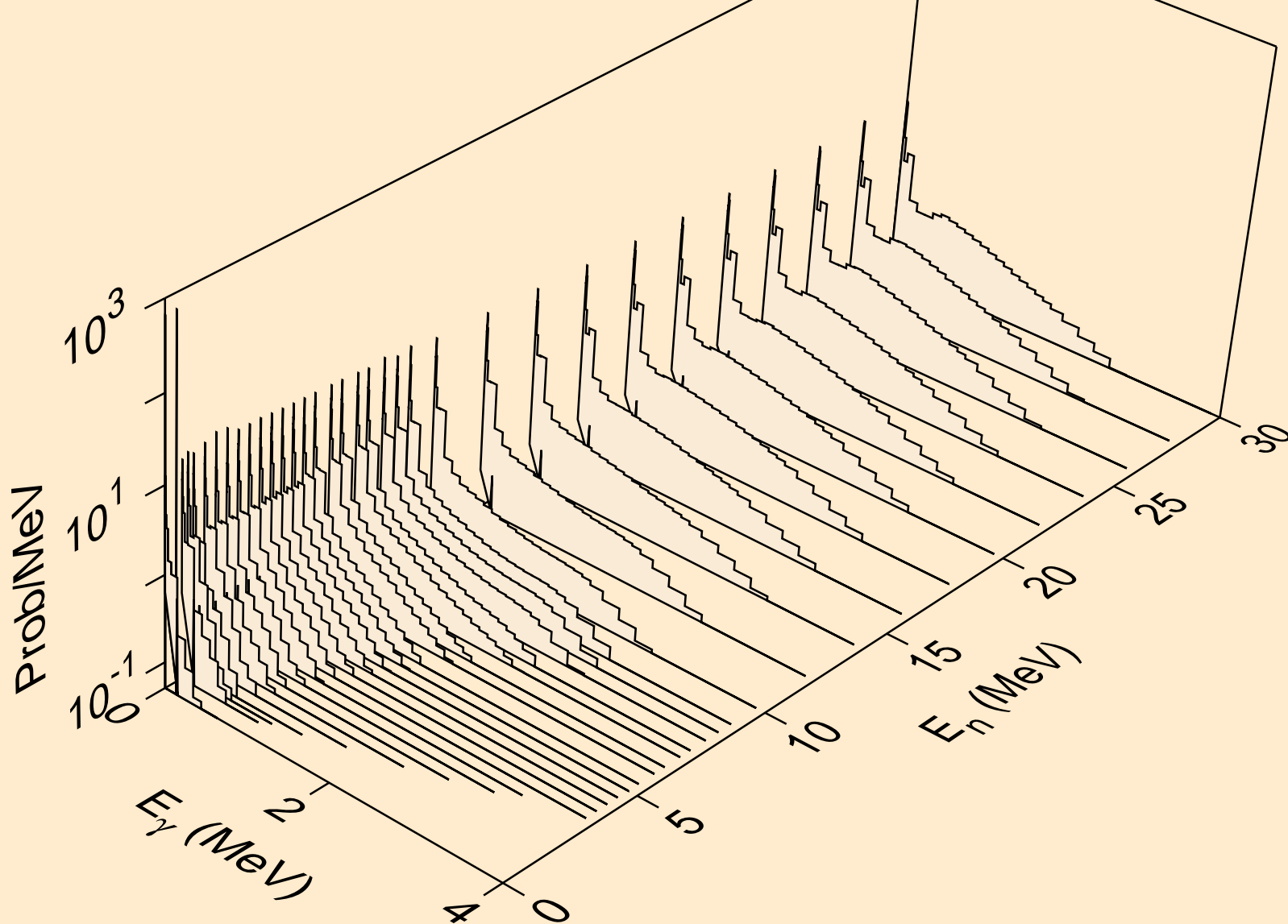
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Photon emission for (n,t)



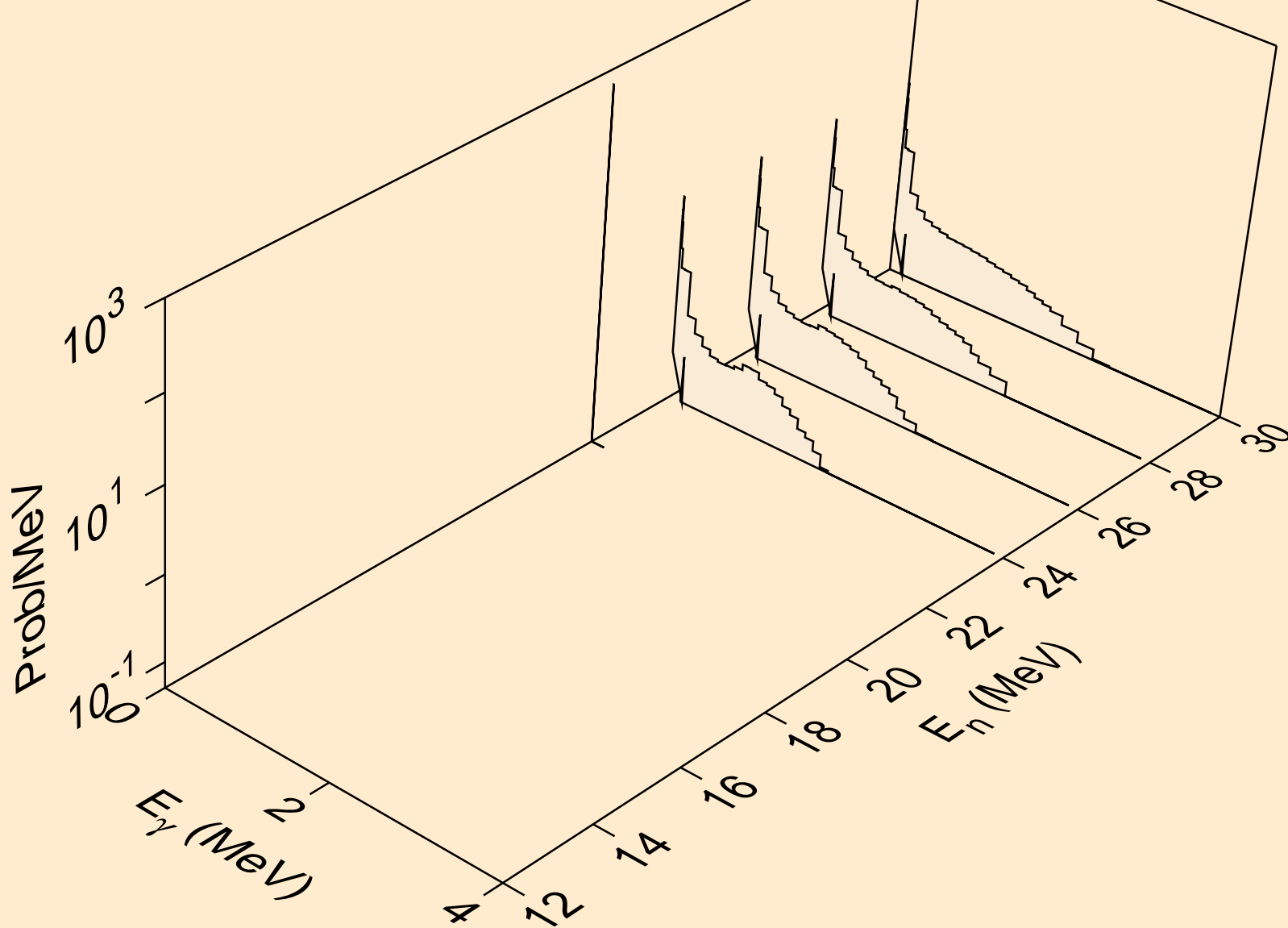
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Photon emission for (n,he3)



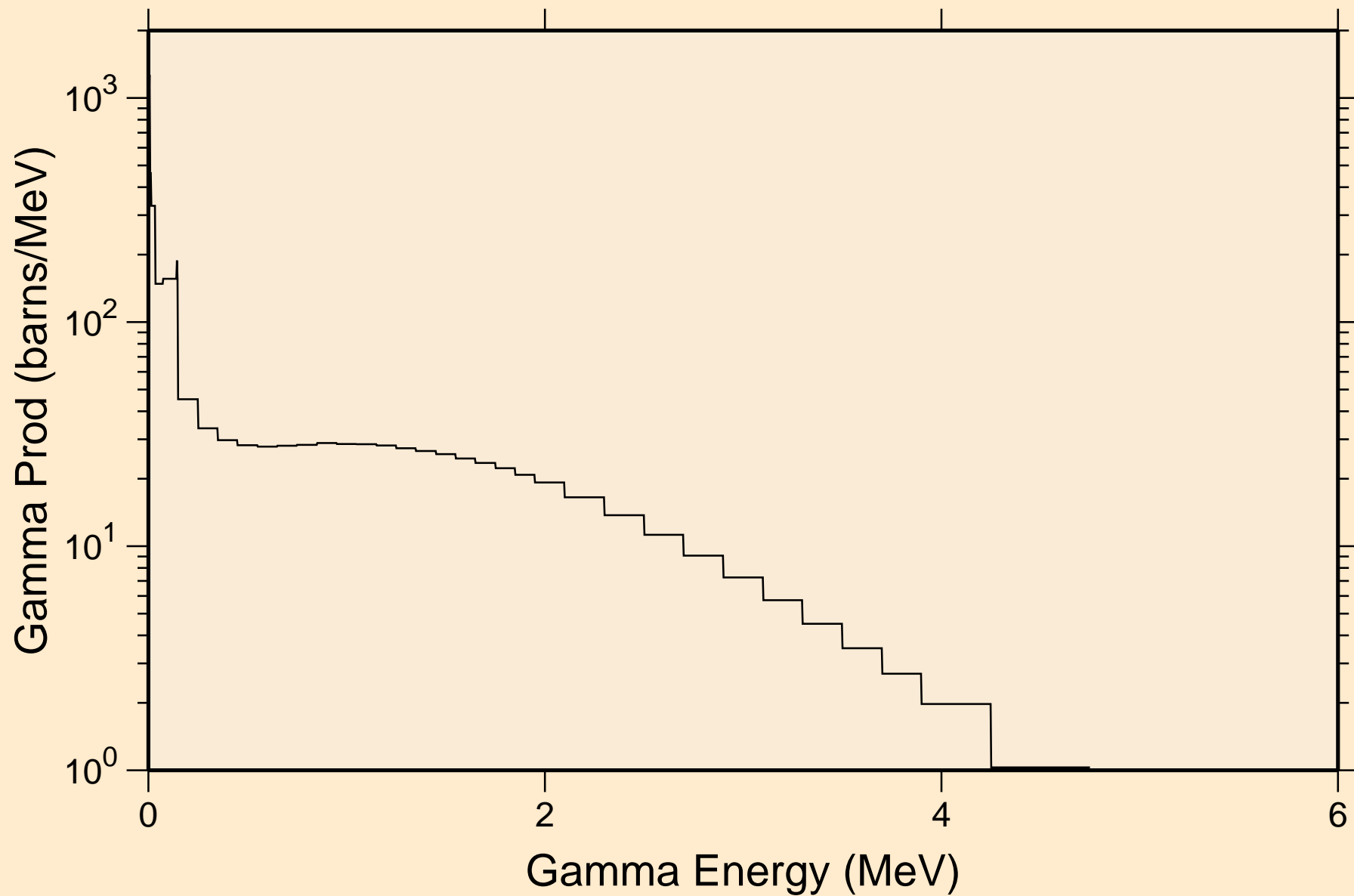
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Photon emission for (n,a)



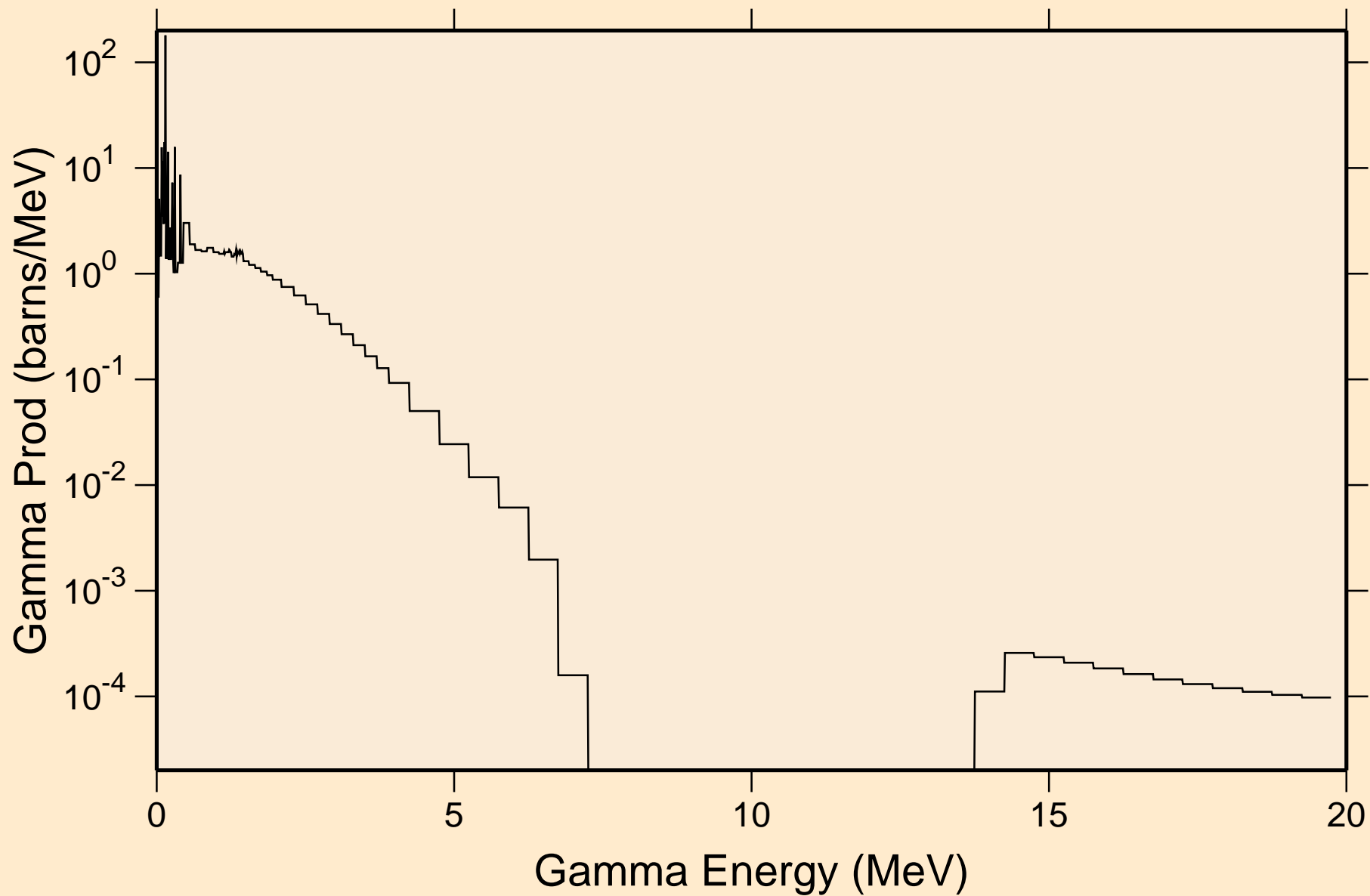
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

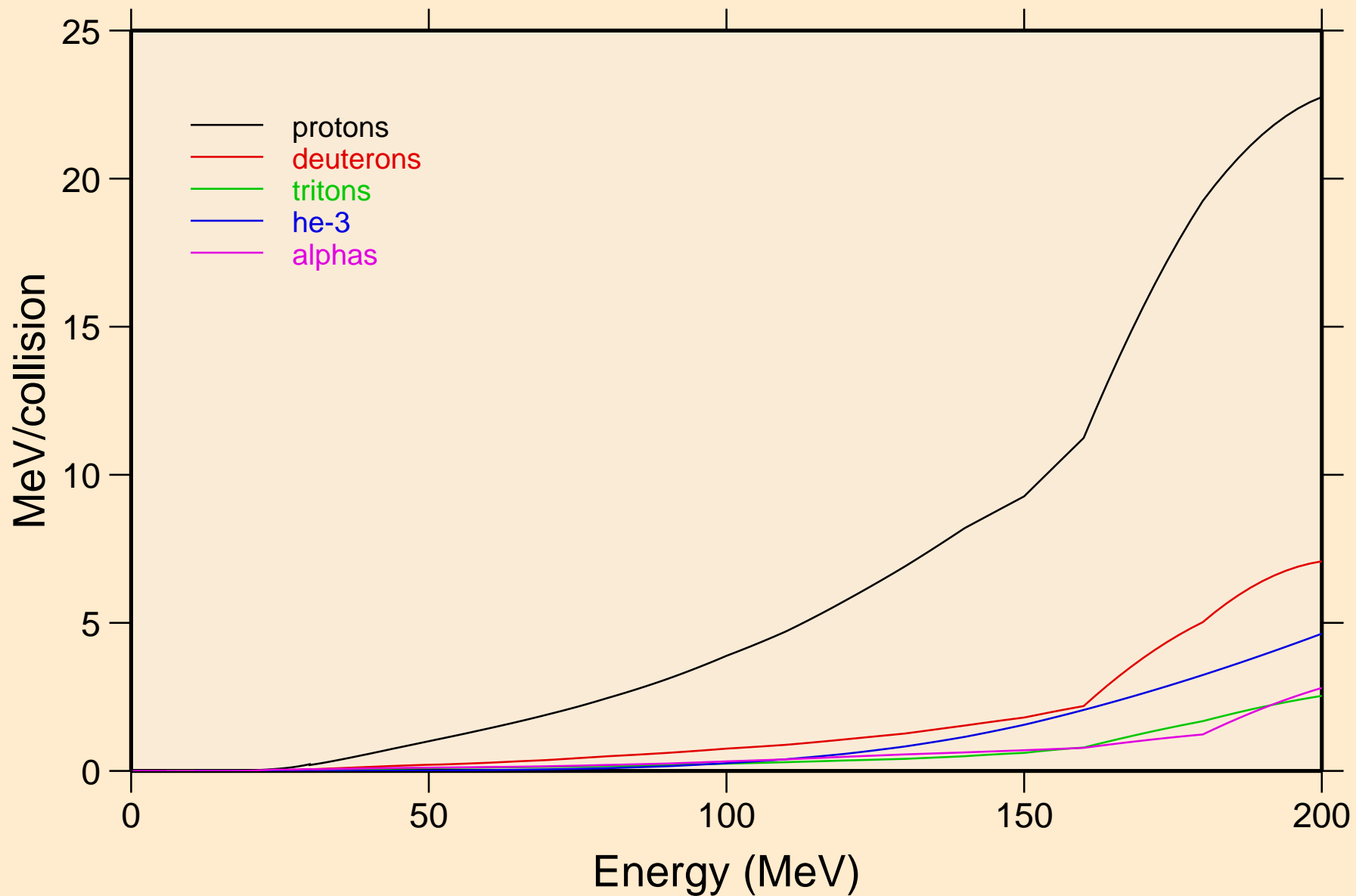


YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

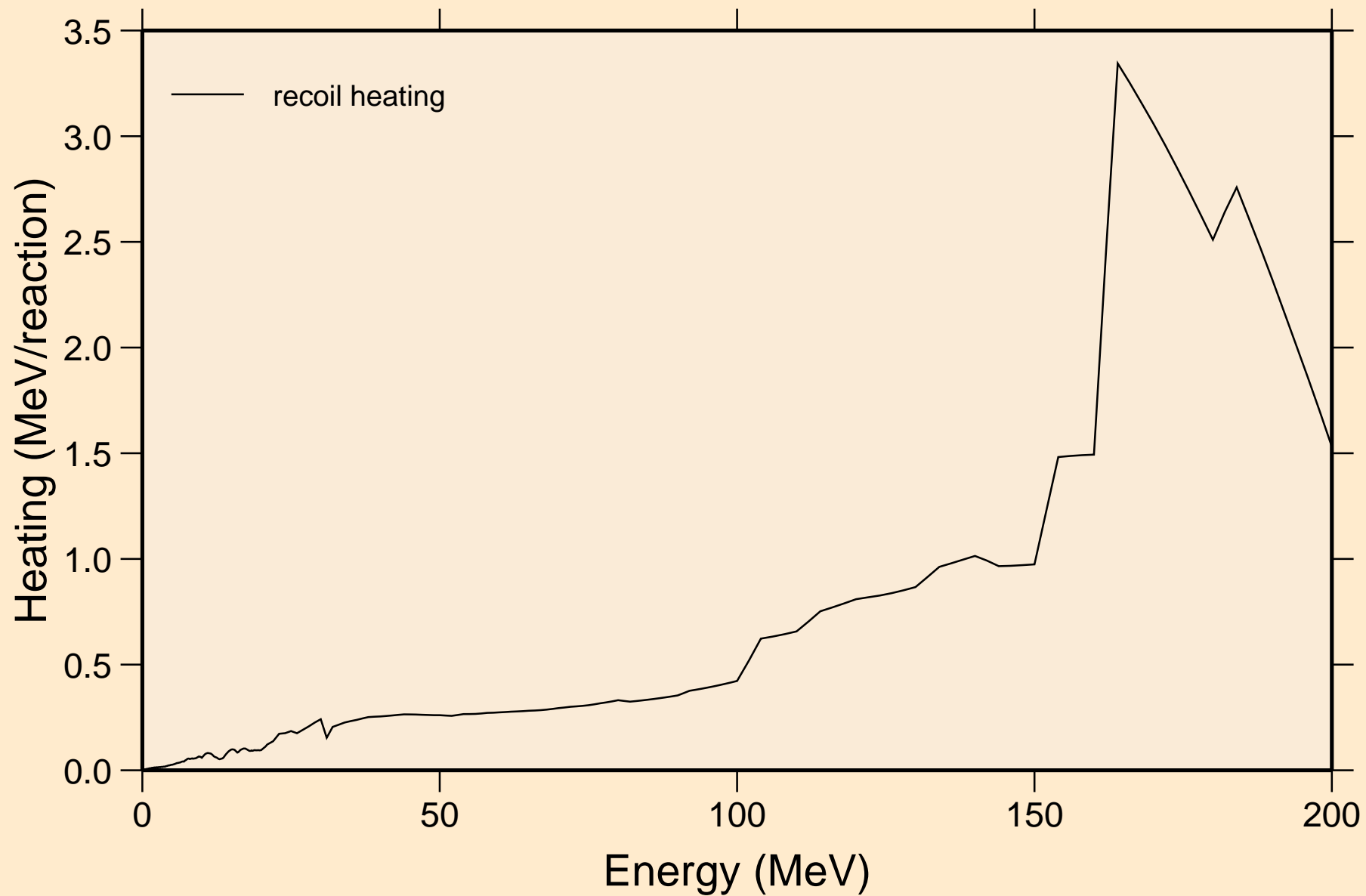


# YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

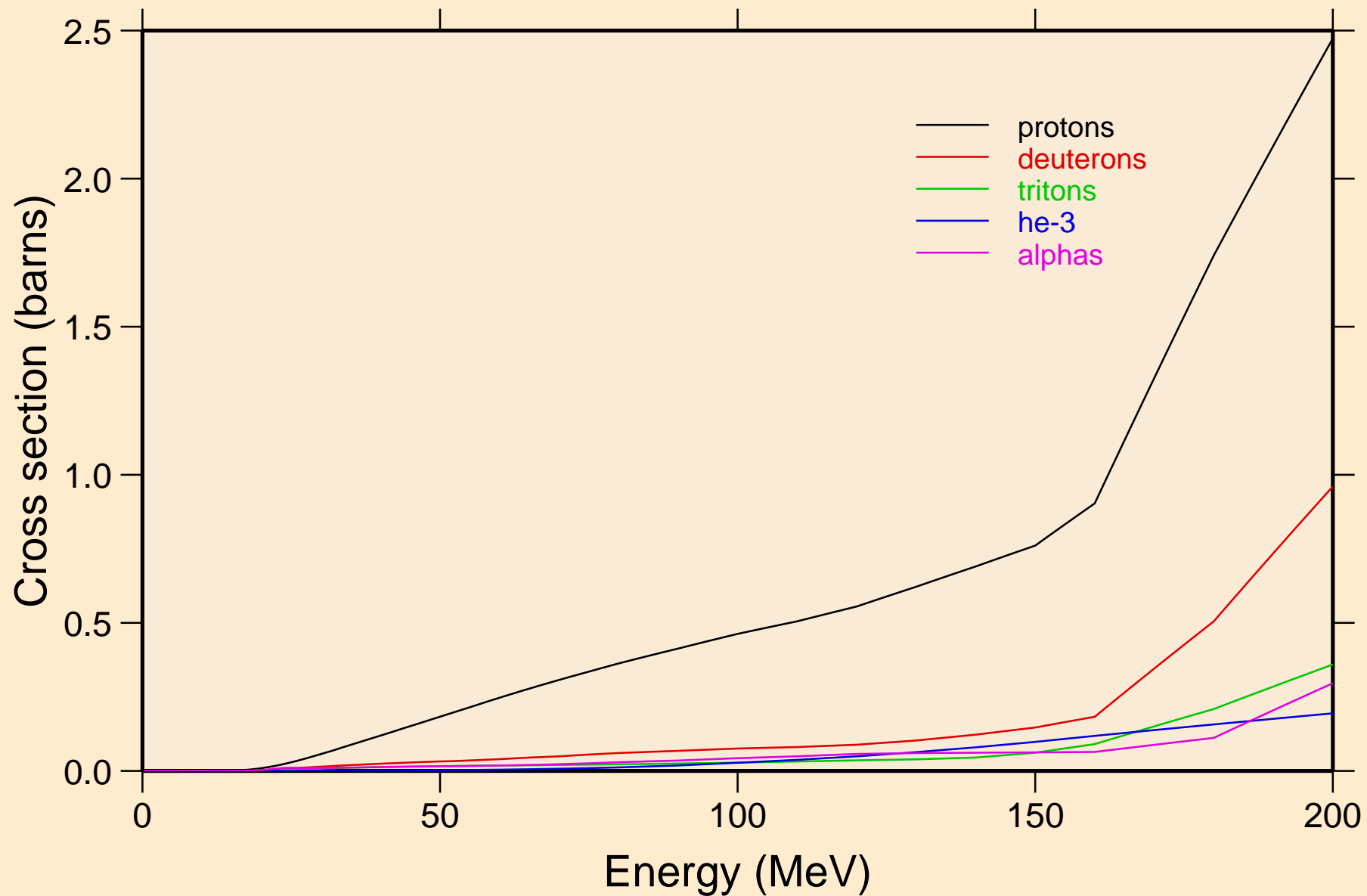


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Recoil Heating

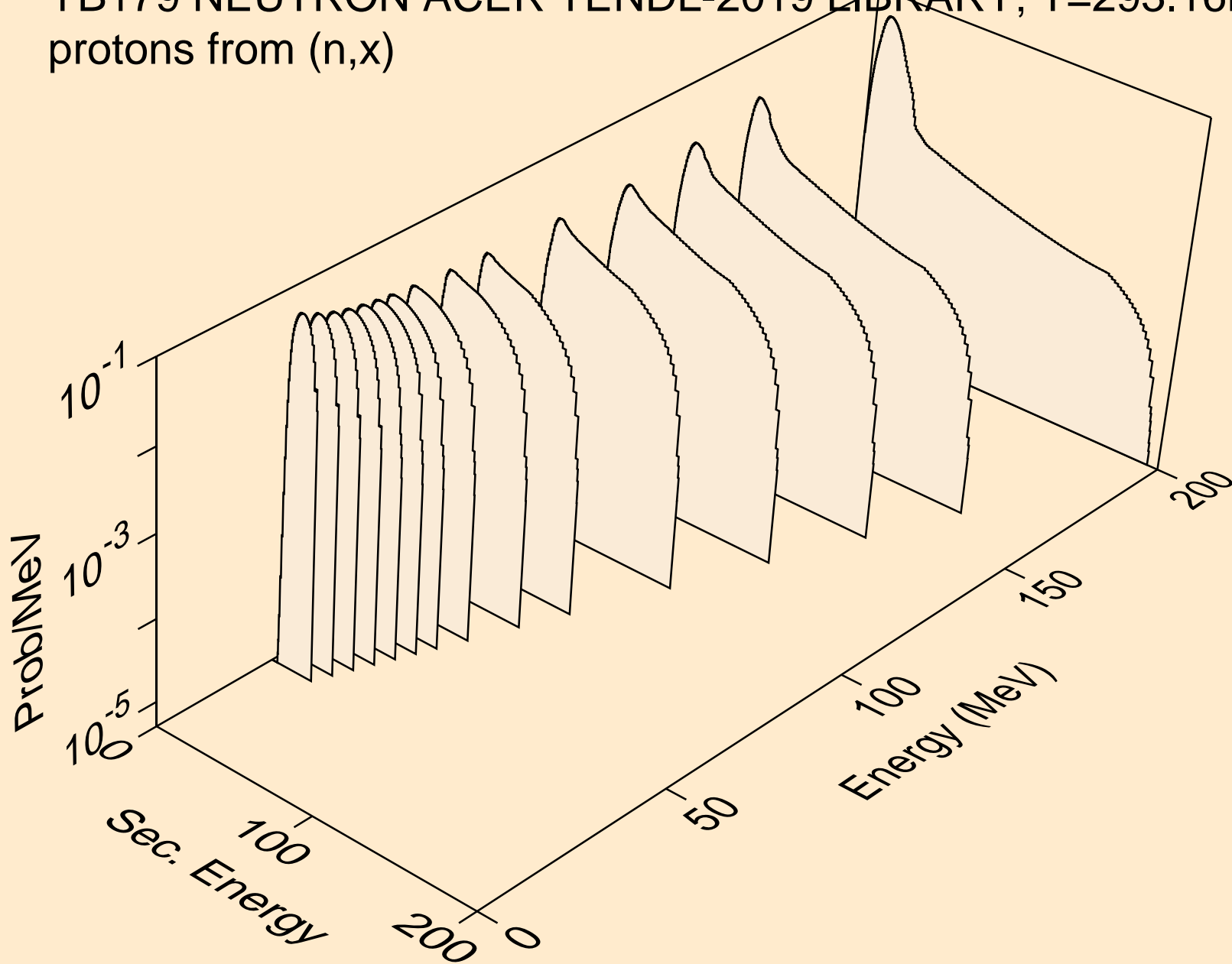




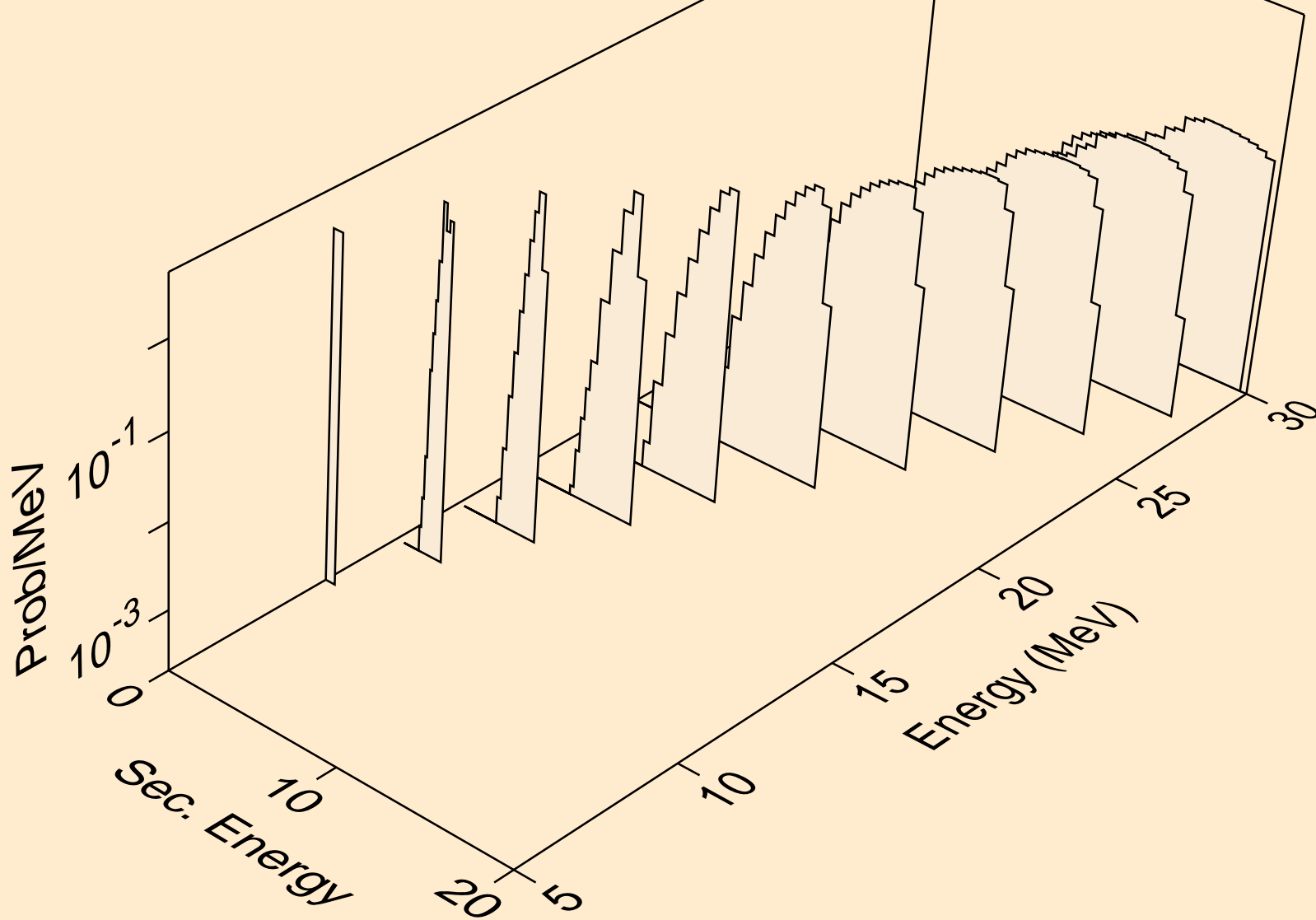
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Particle production cross sections



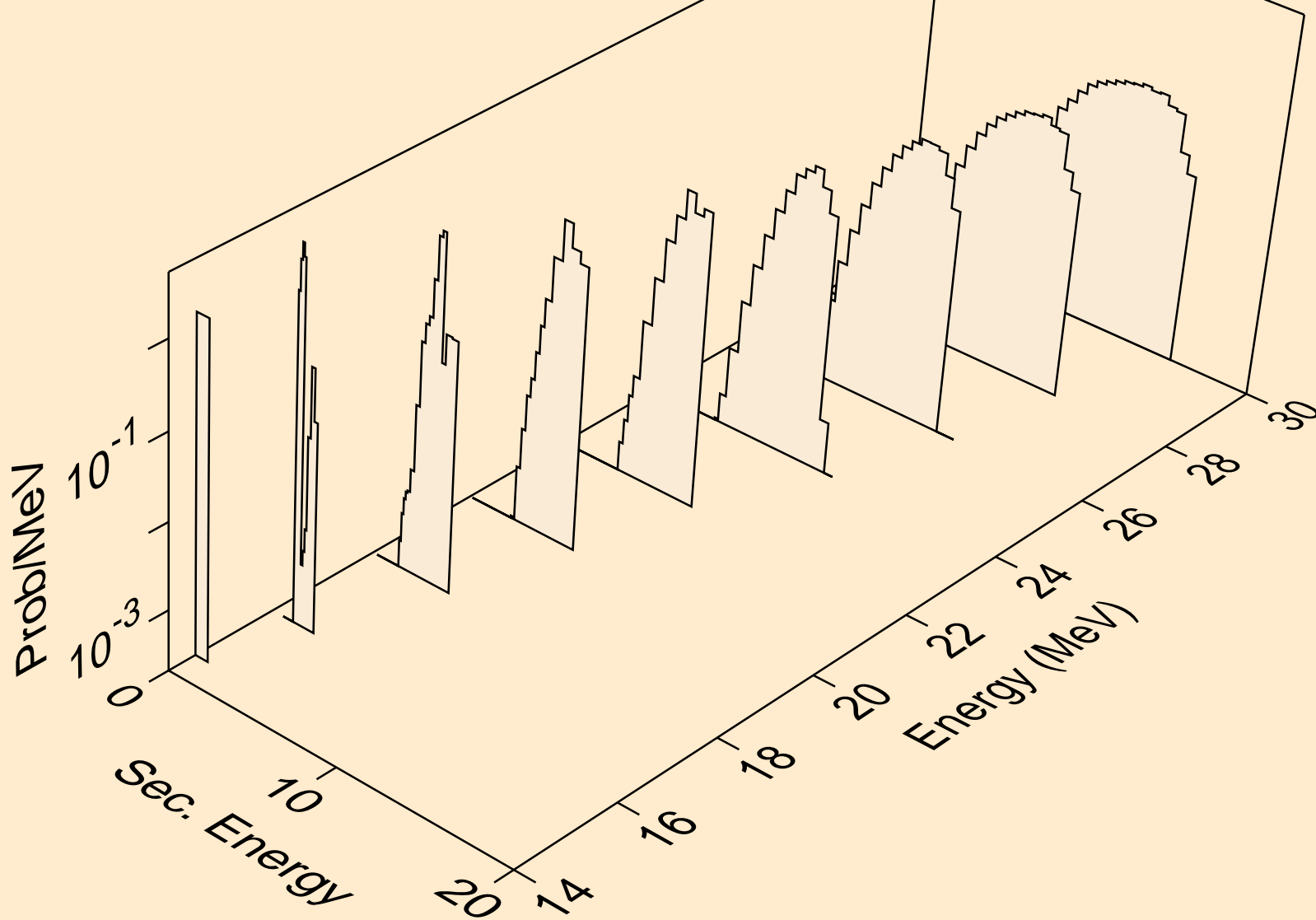
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protons from (n,x)



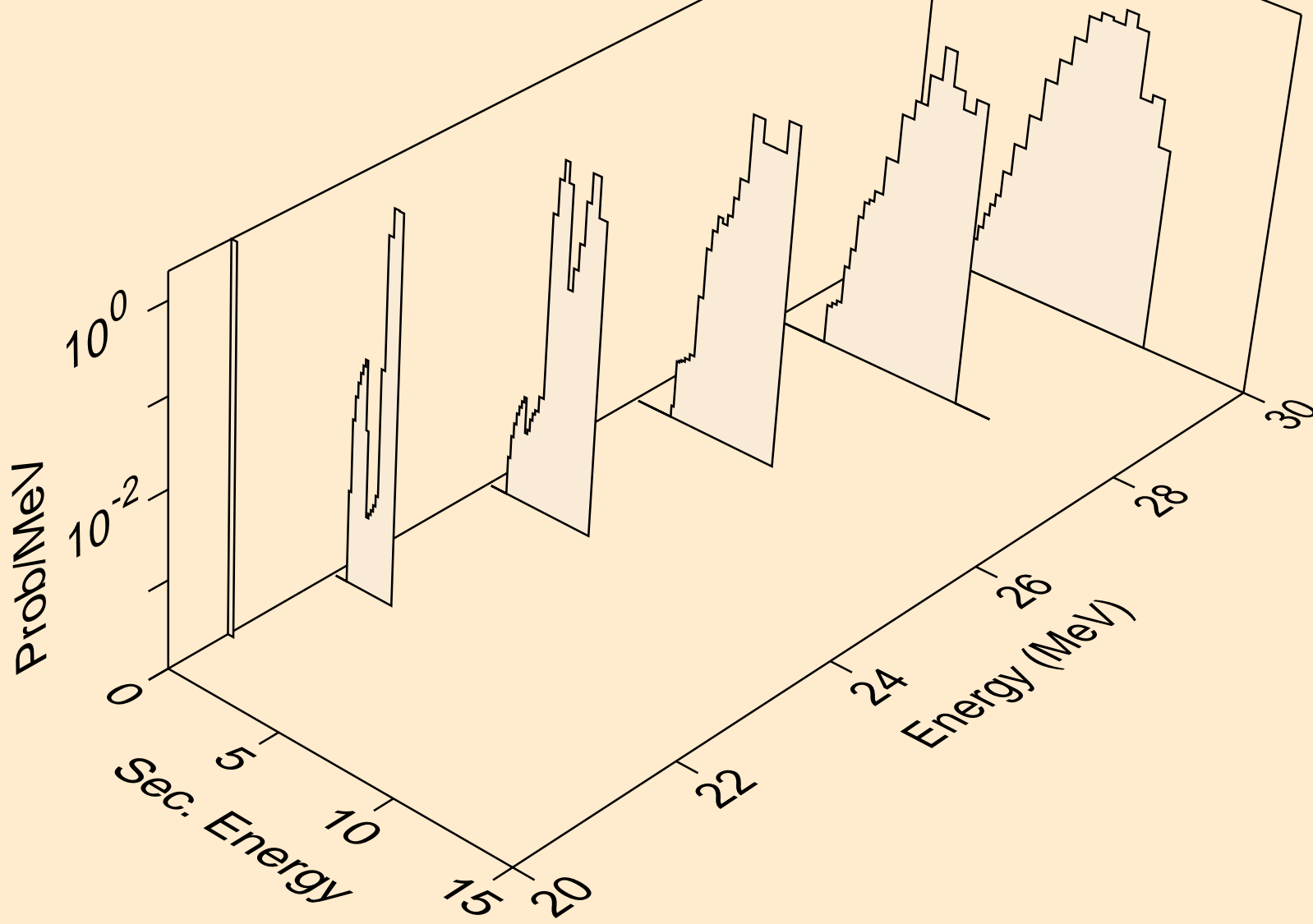
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



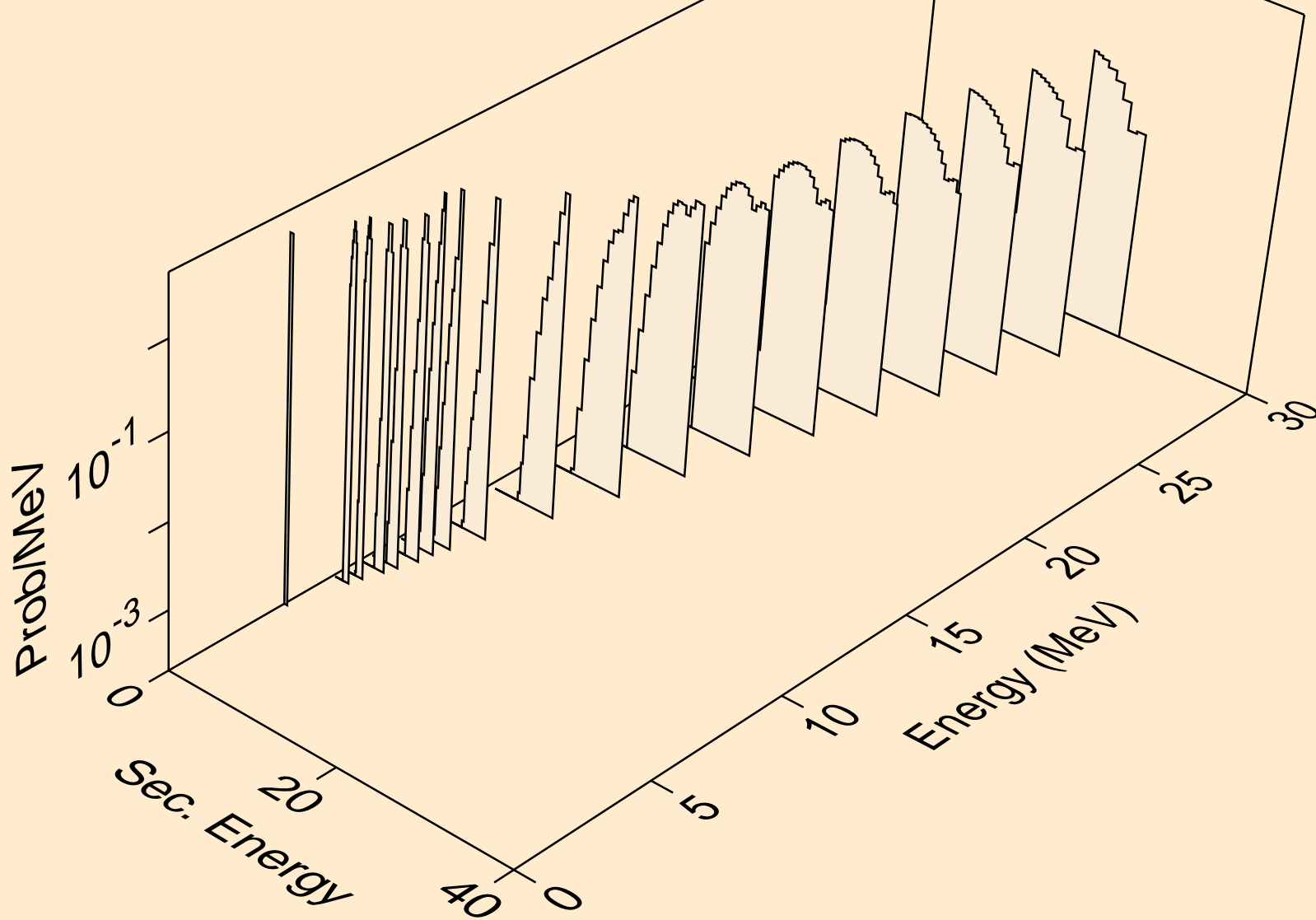
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



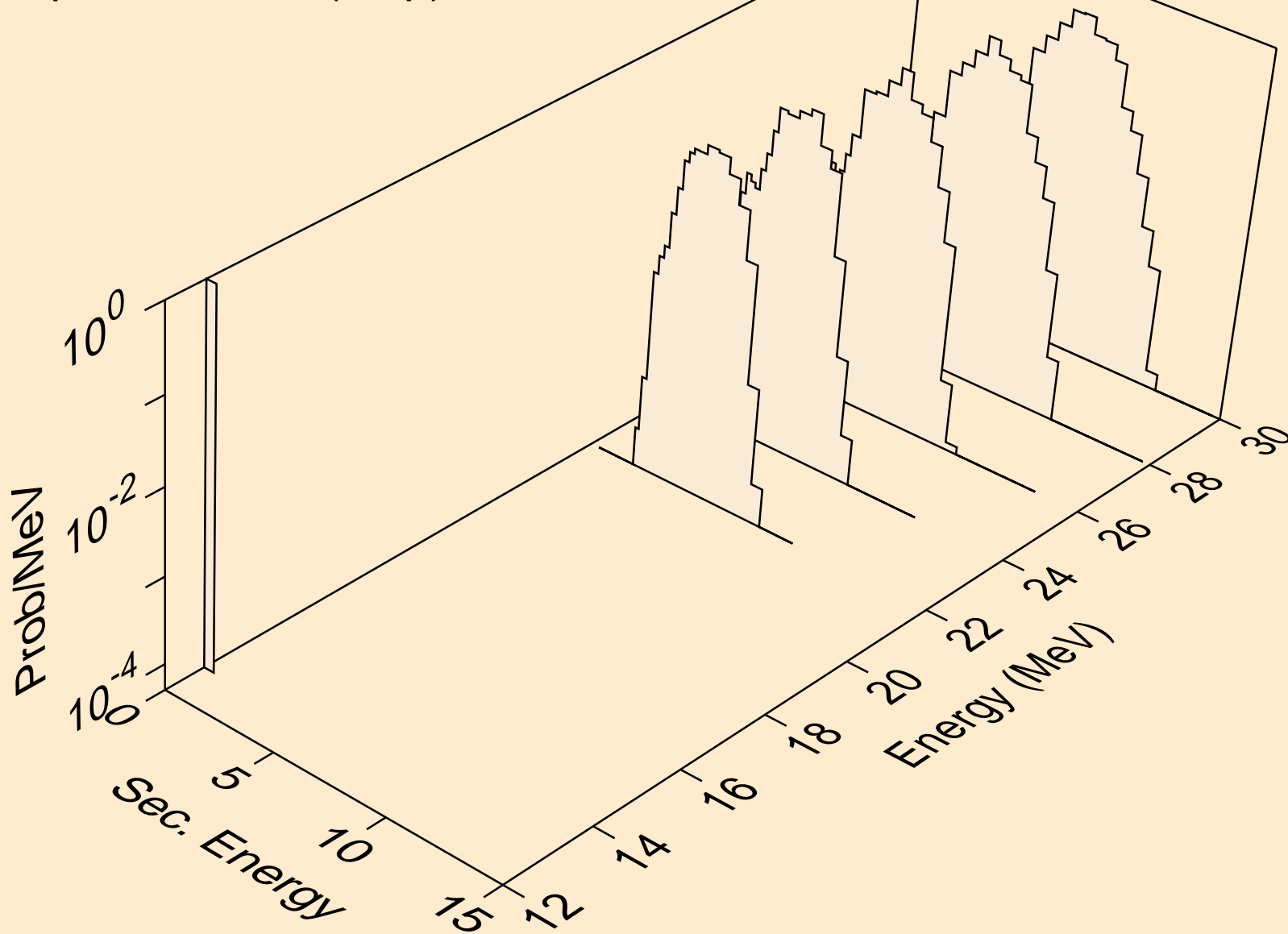
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protons from (n,3np)



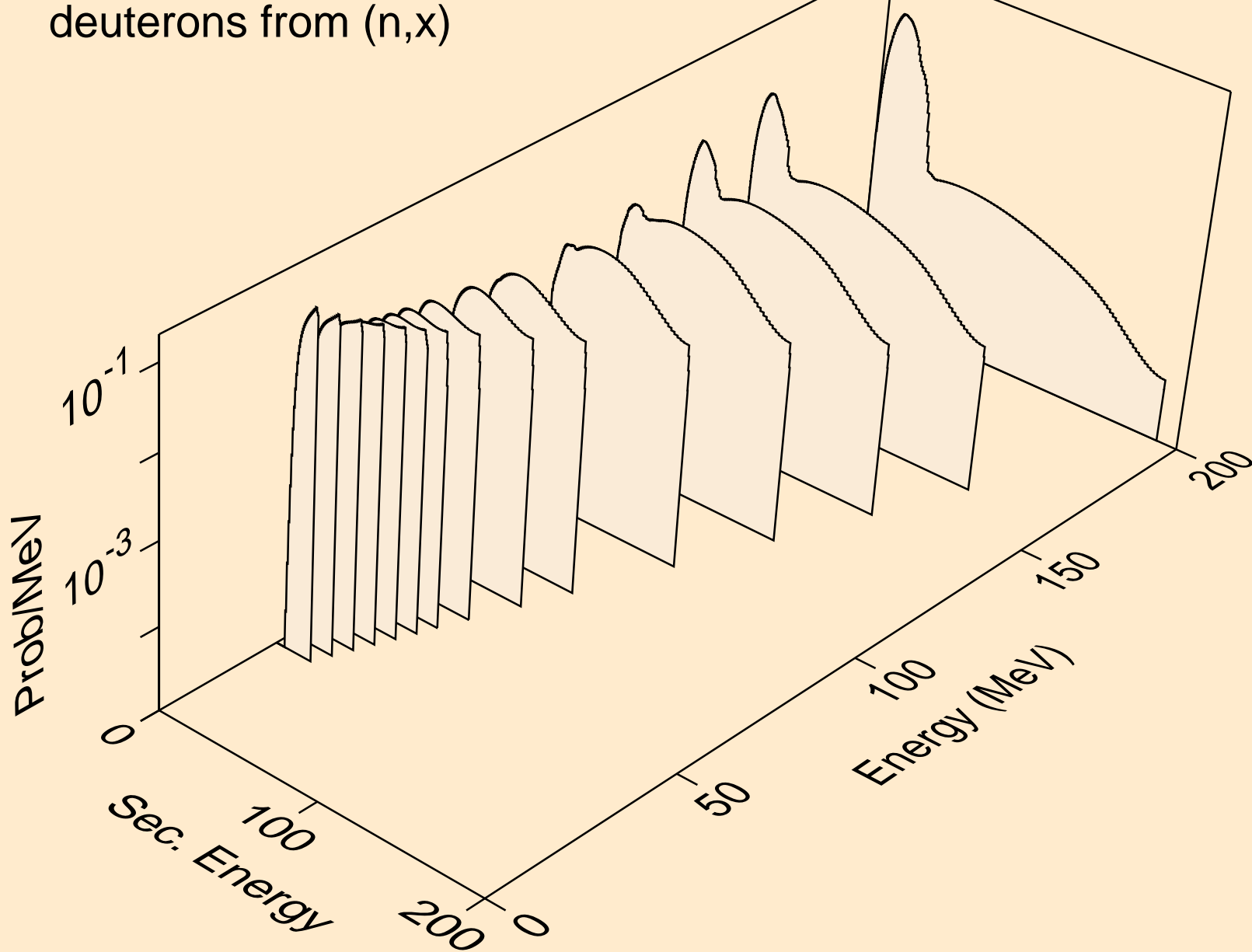
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

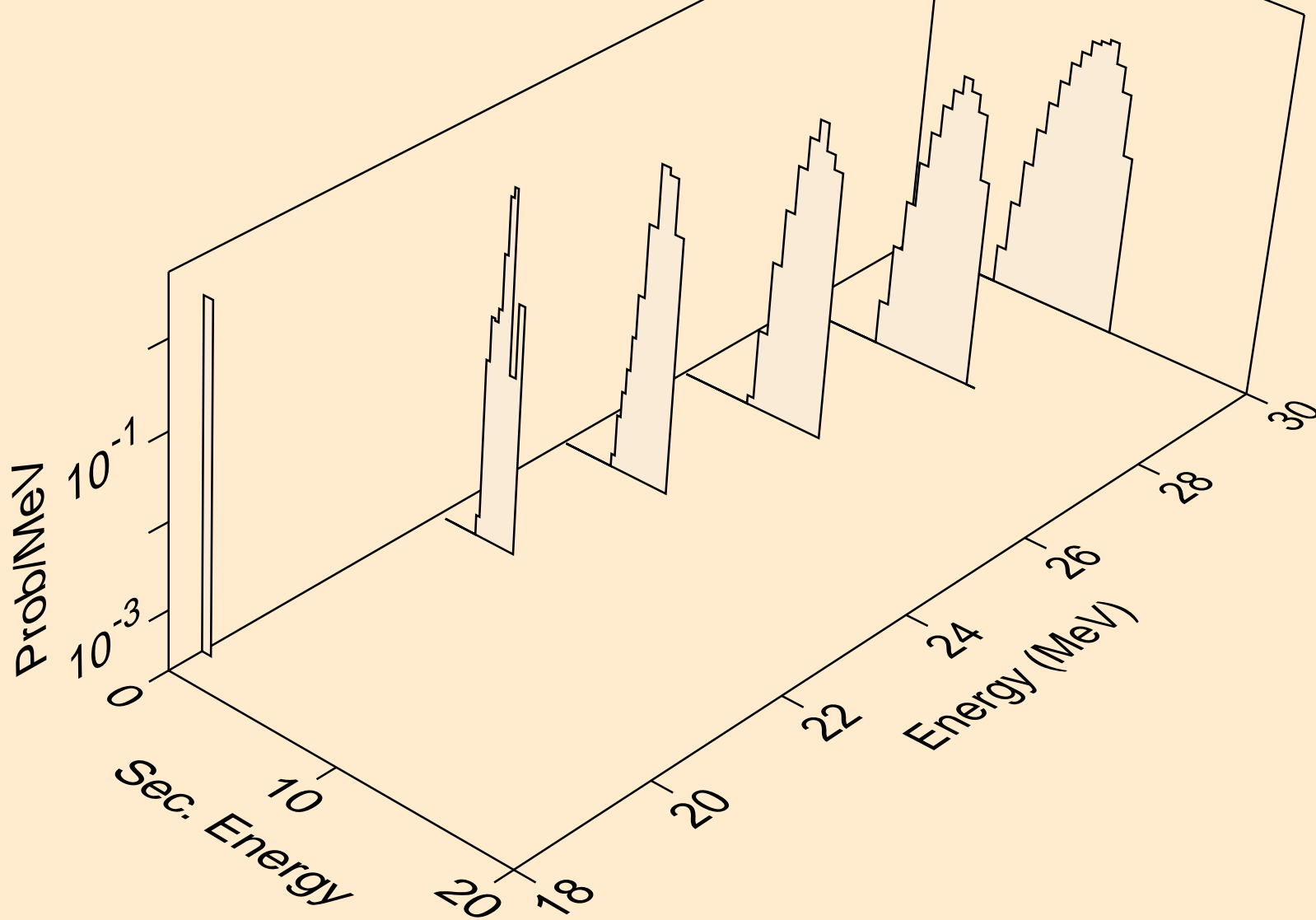


YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

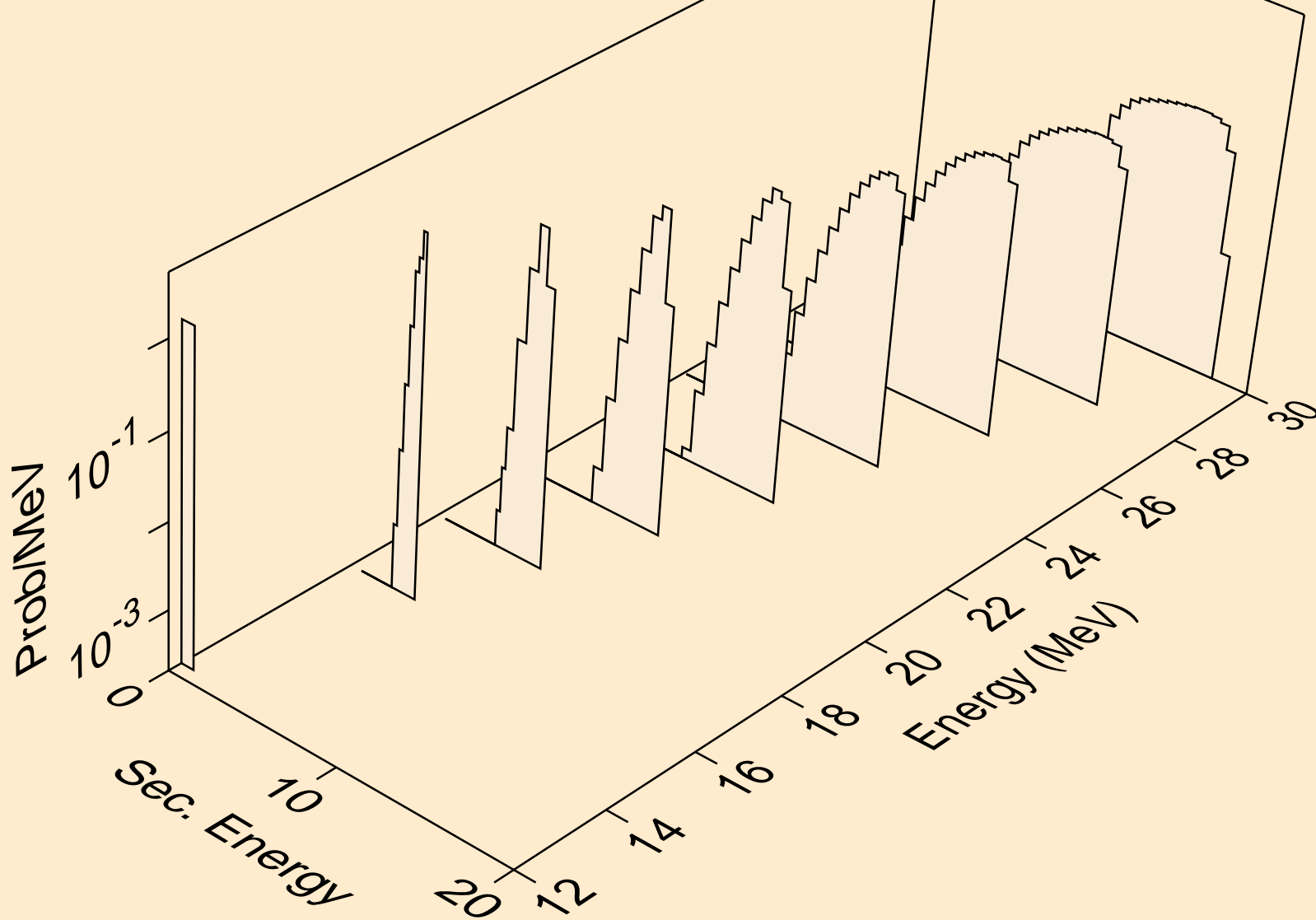




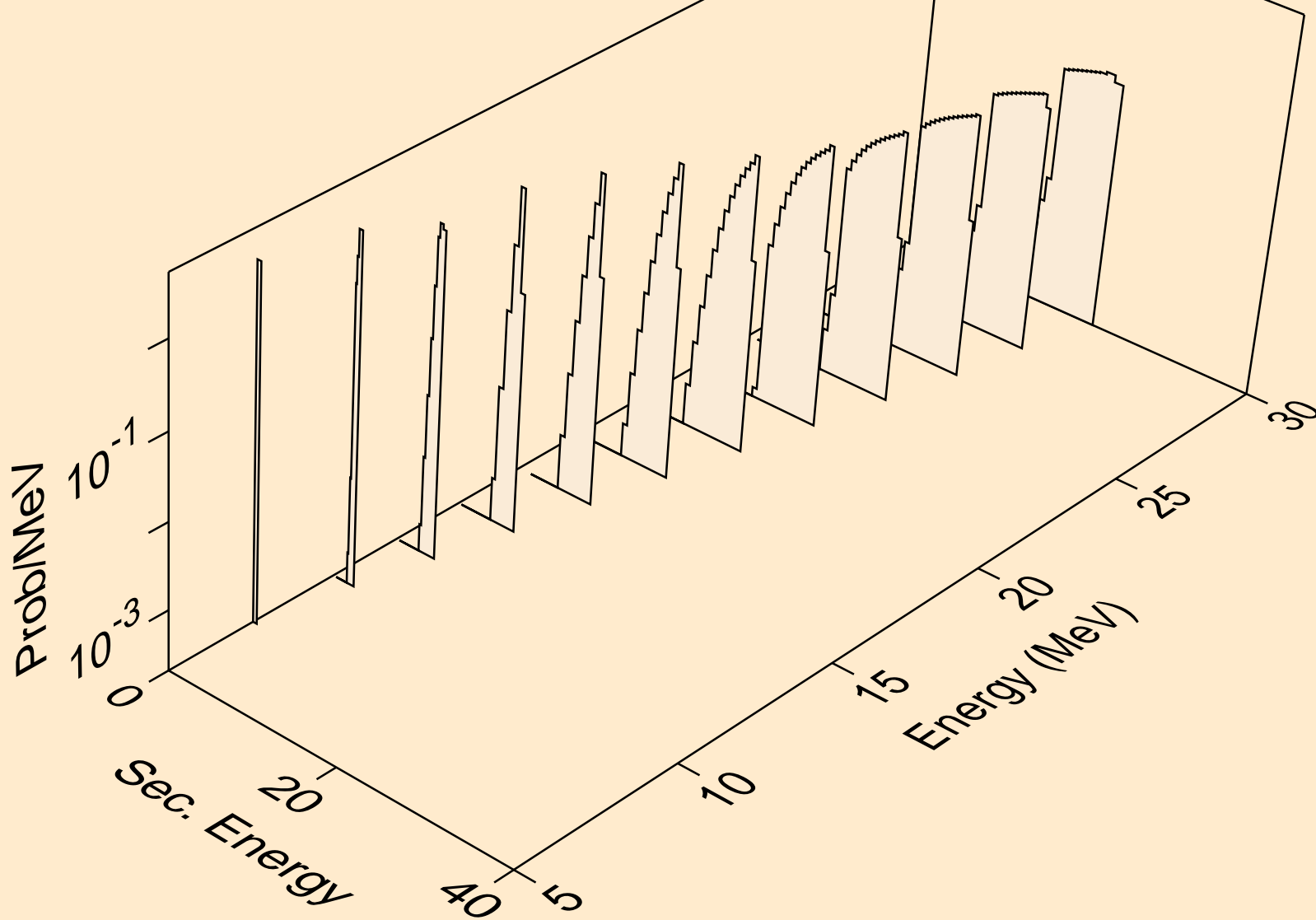
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deuterons from (n,2nd)



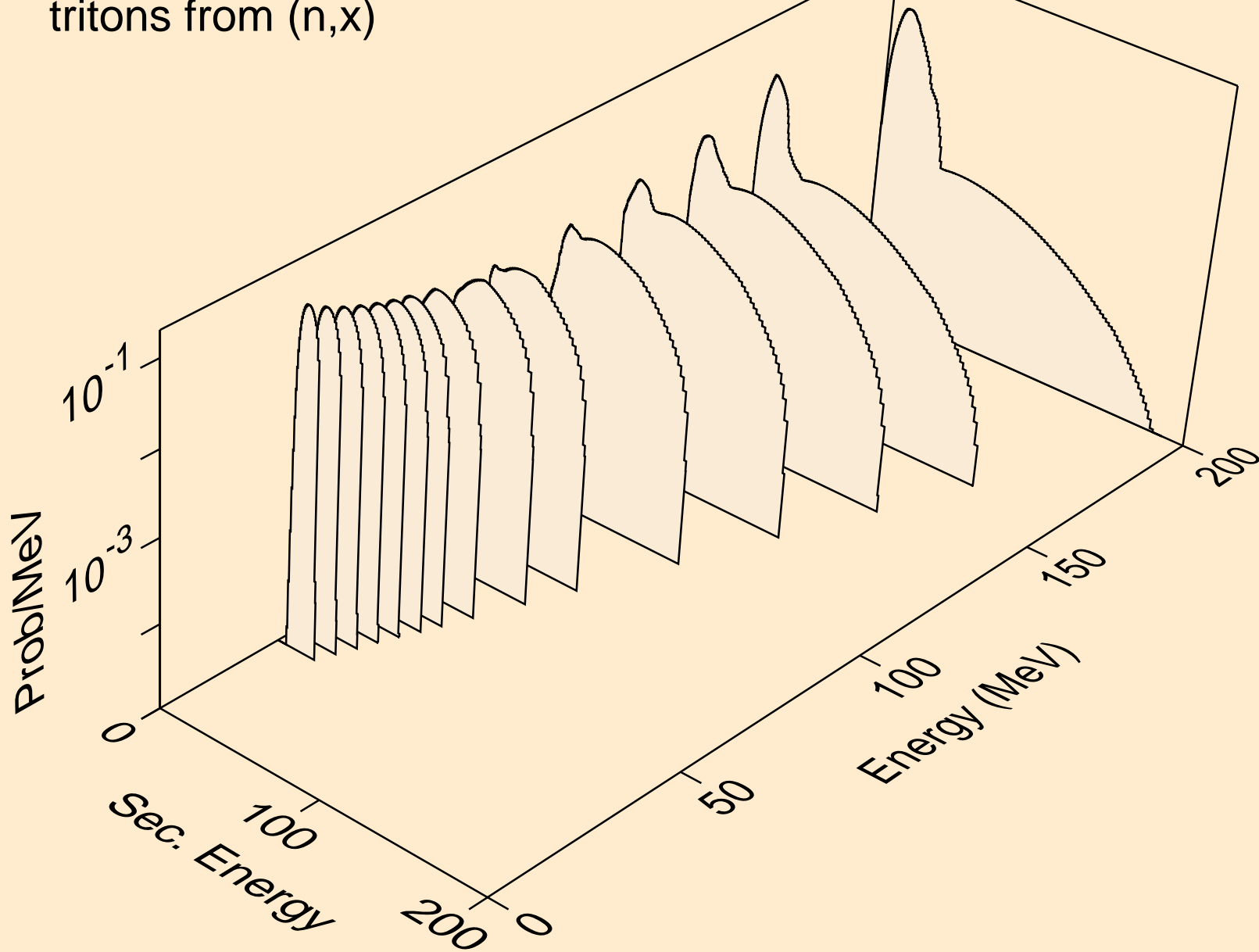
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deuterons from (n,n\*)d



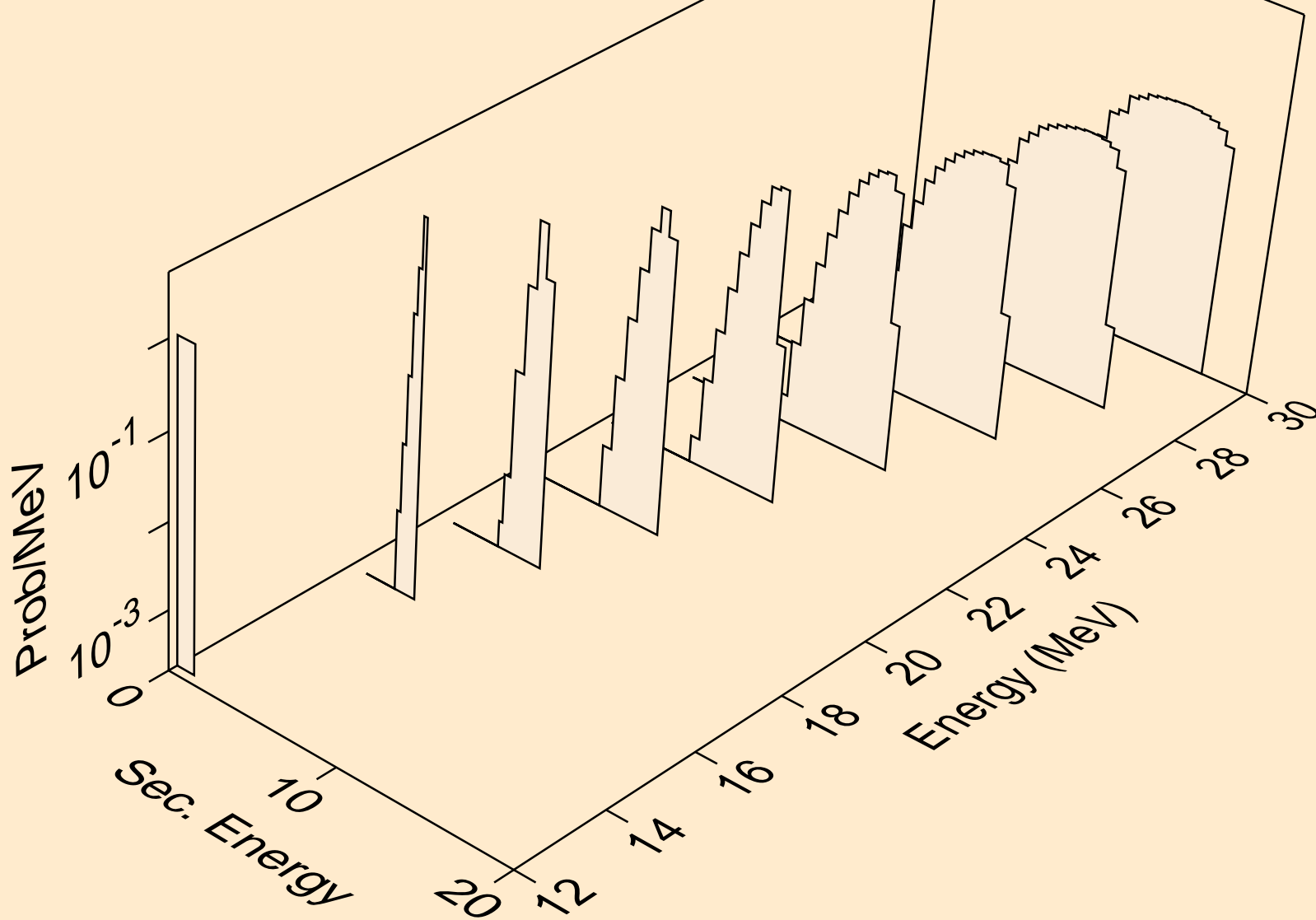
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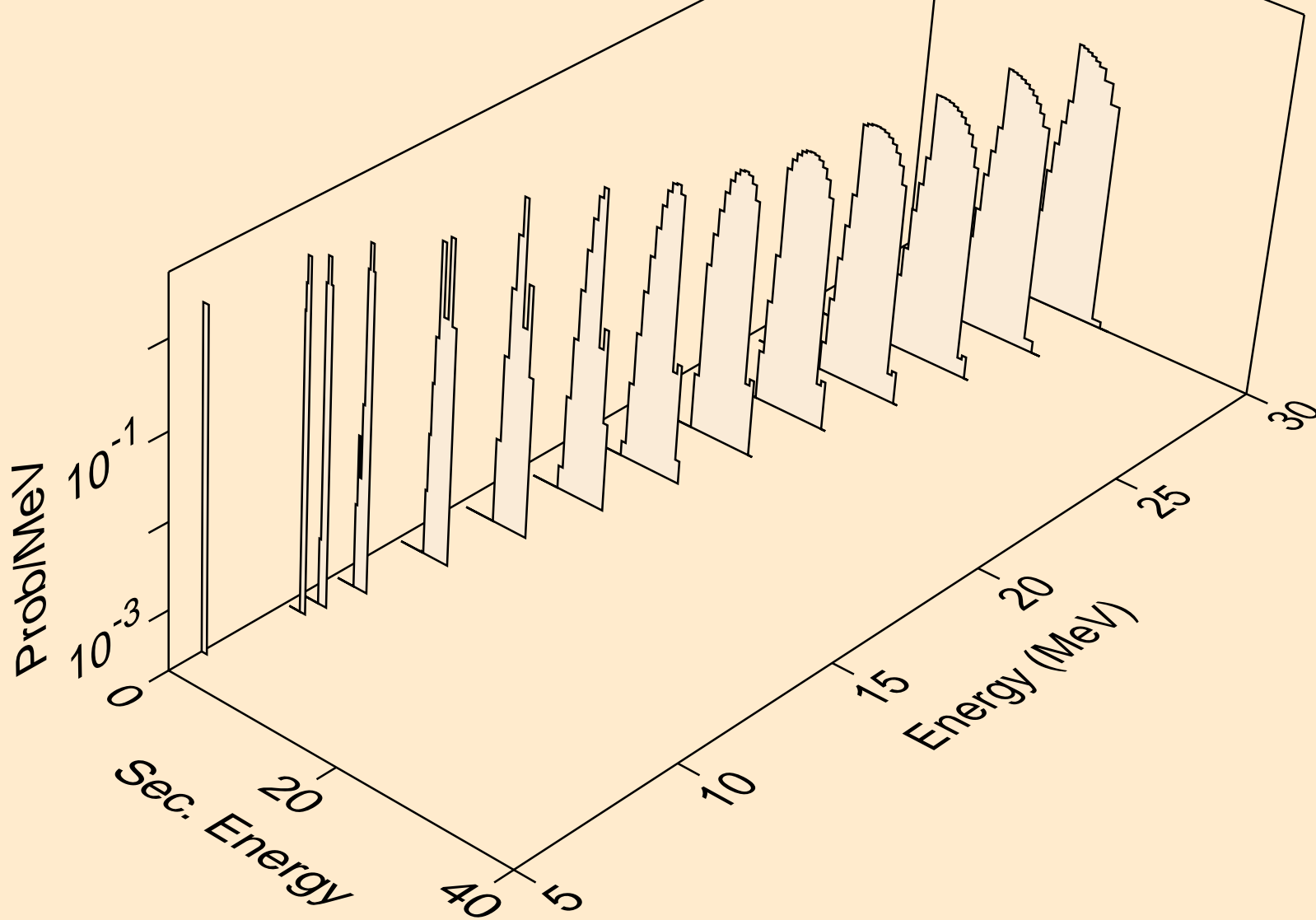
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tritons from (n,x)



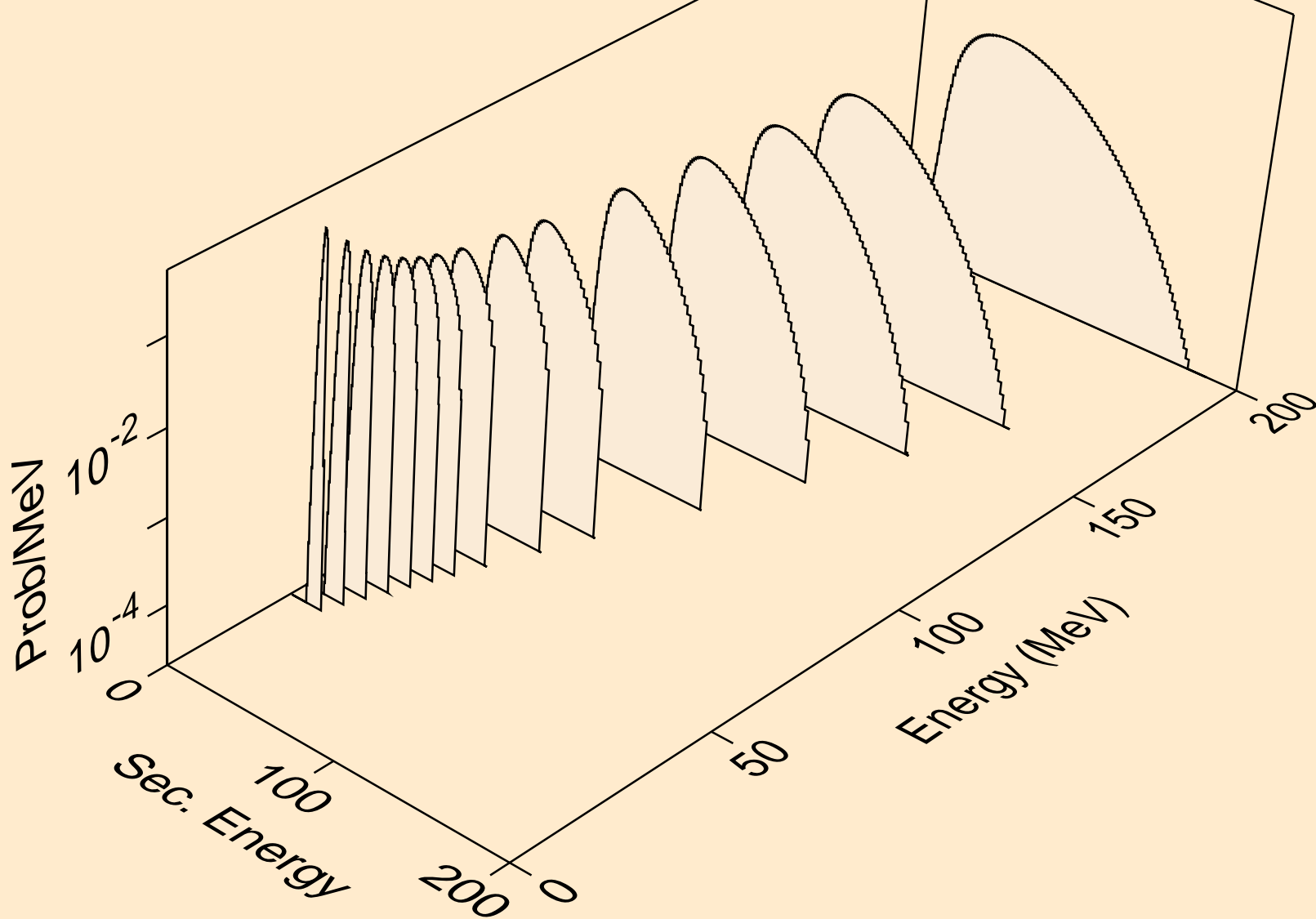
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



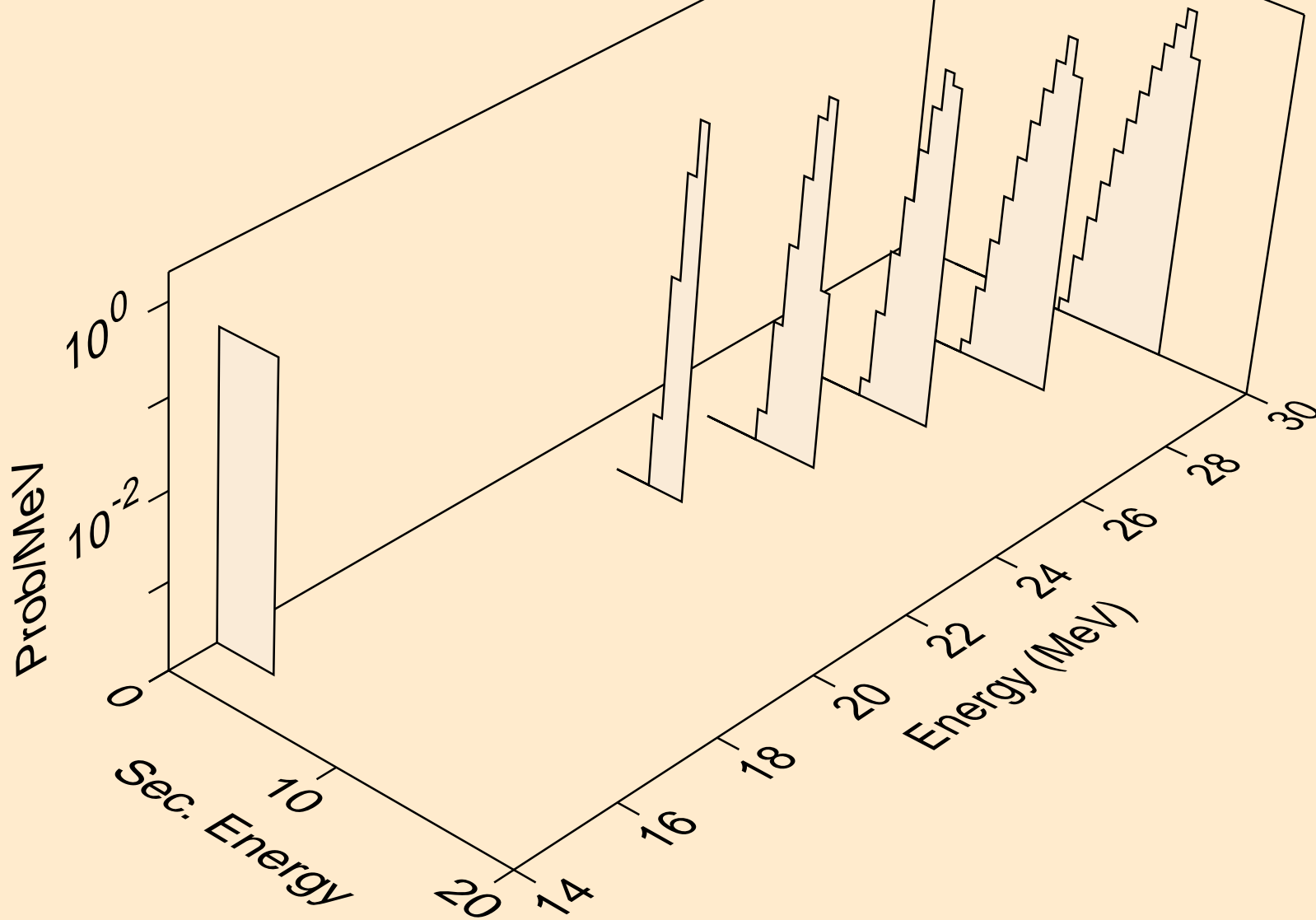
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tritons from (n,t)



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

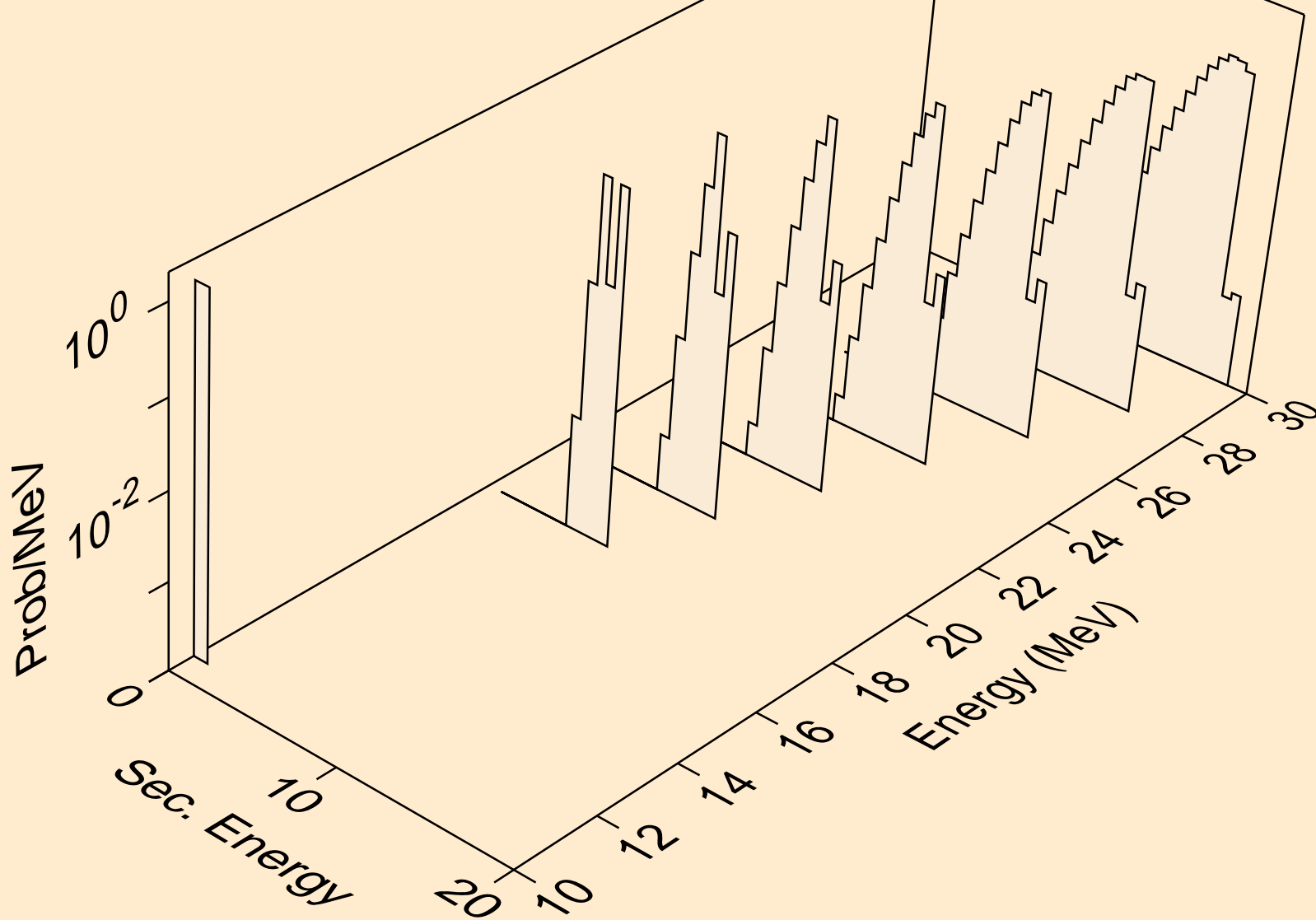


YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

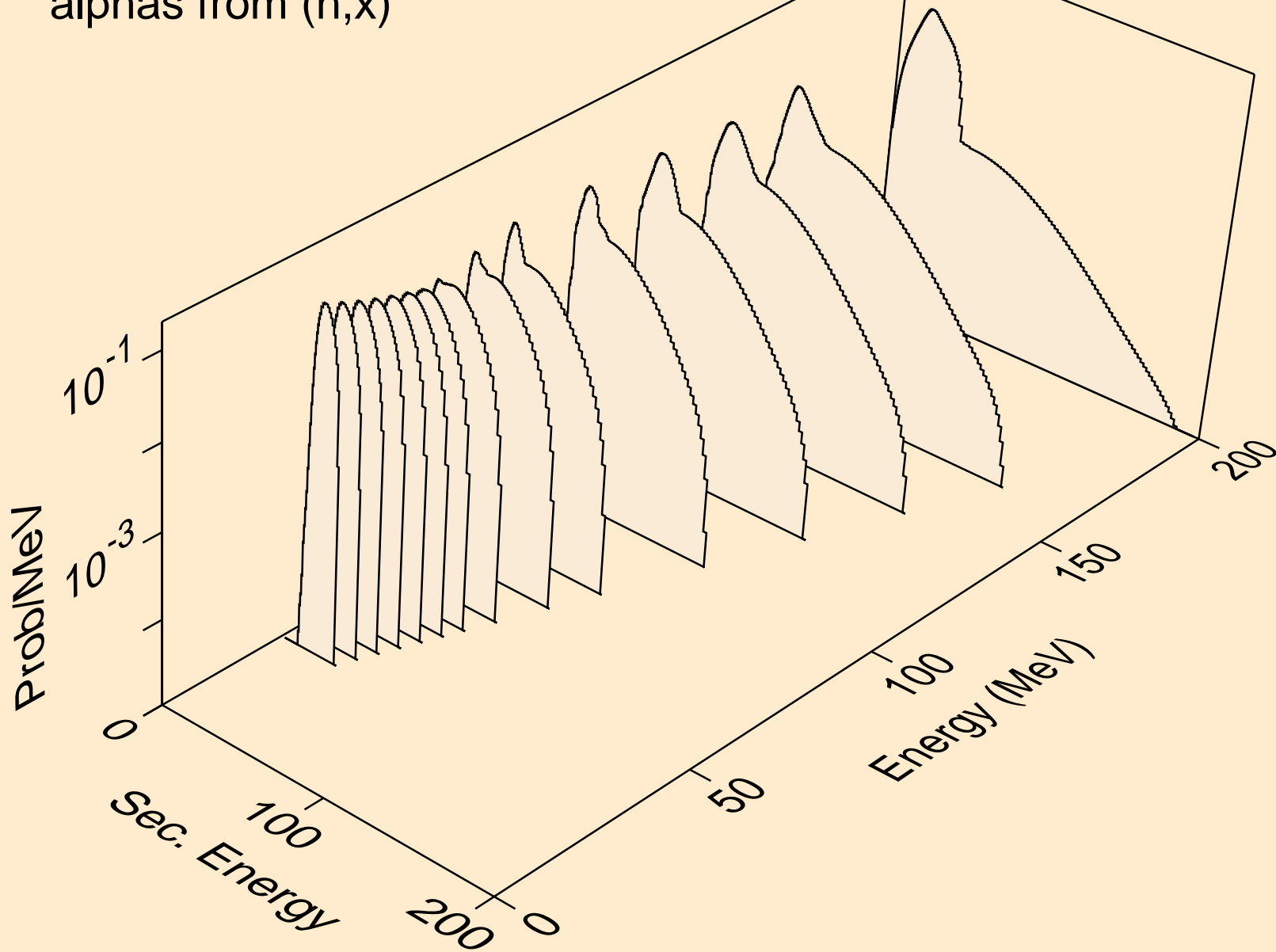




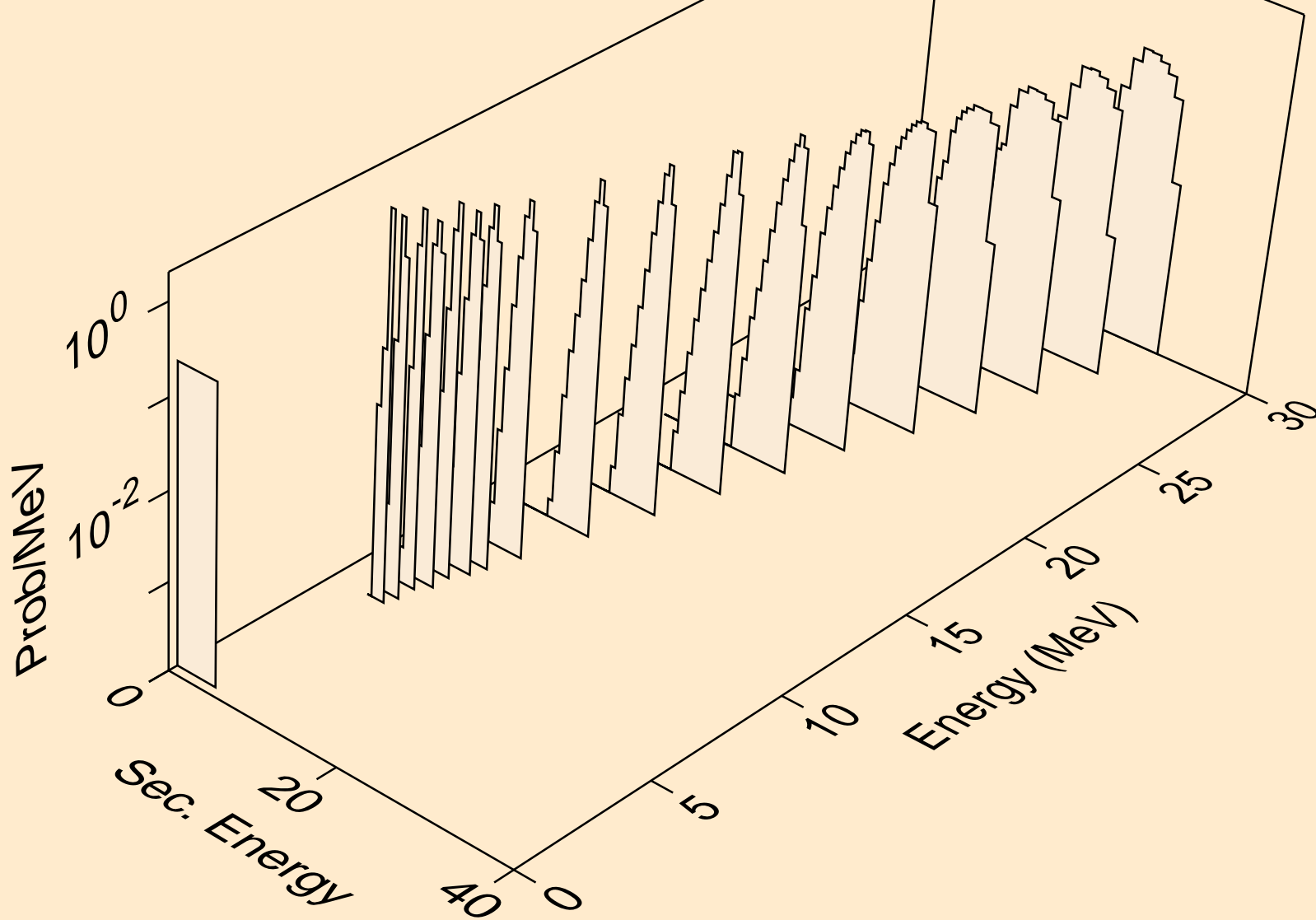
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he3s from (n,he3)



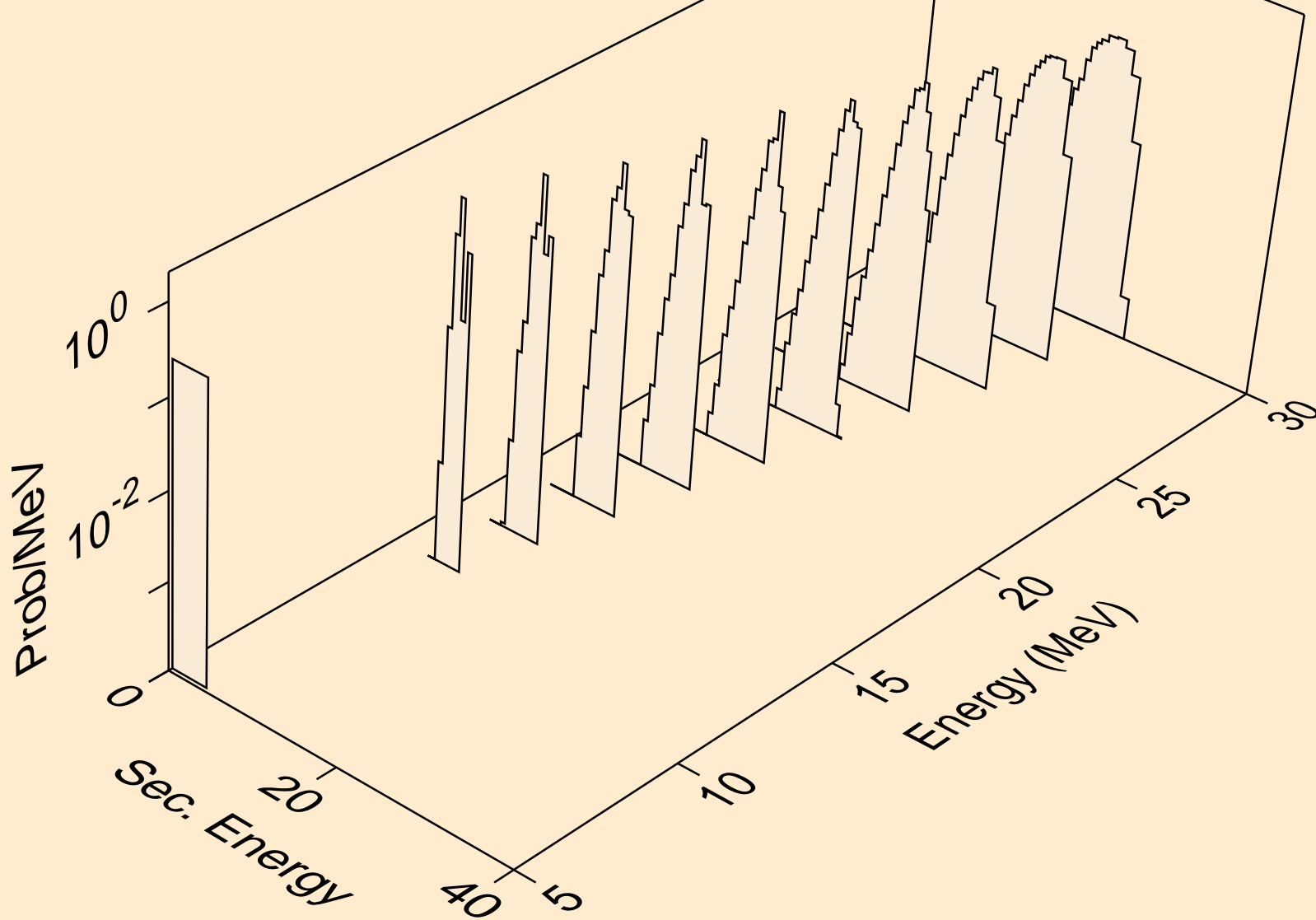
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alphas from (n,x)



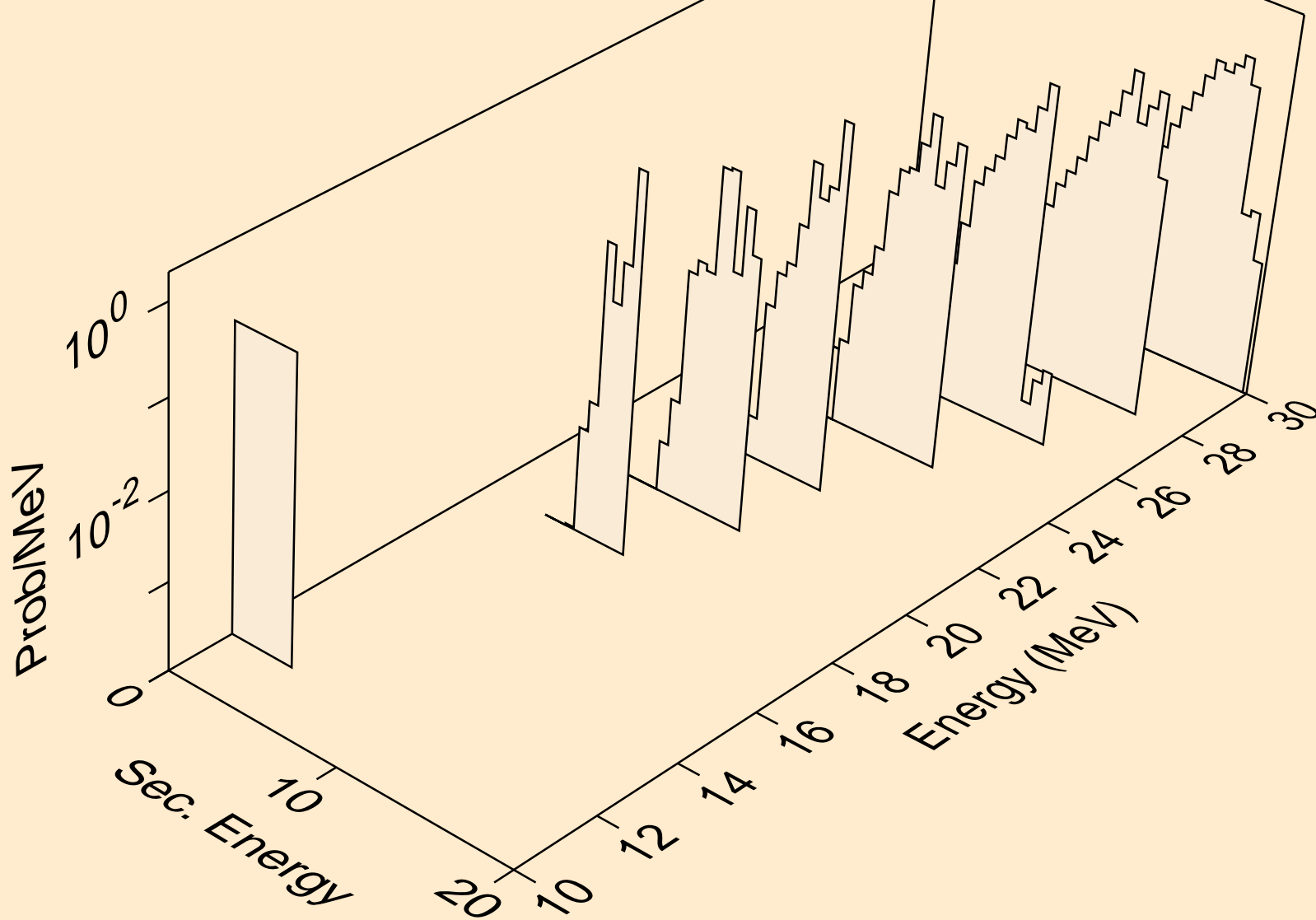
YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



YB179 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

