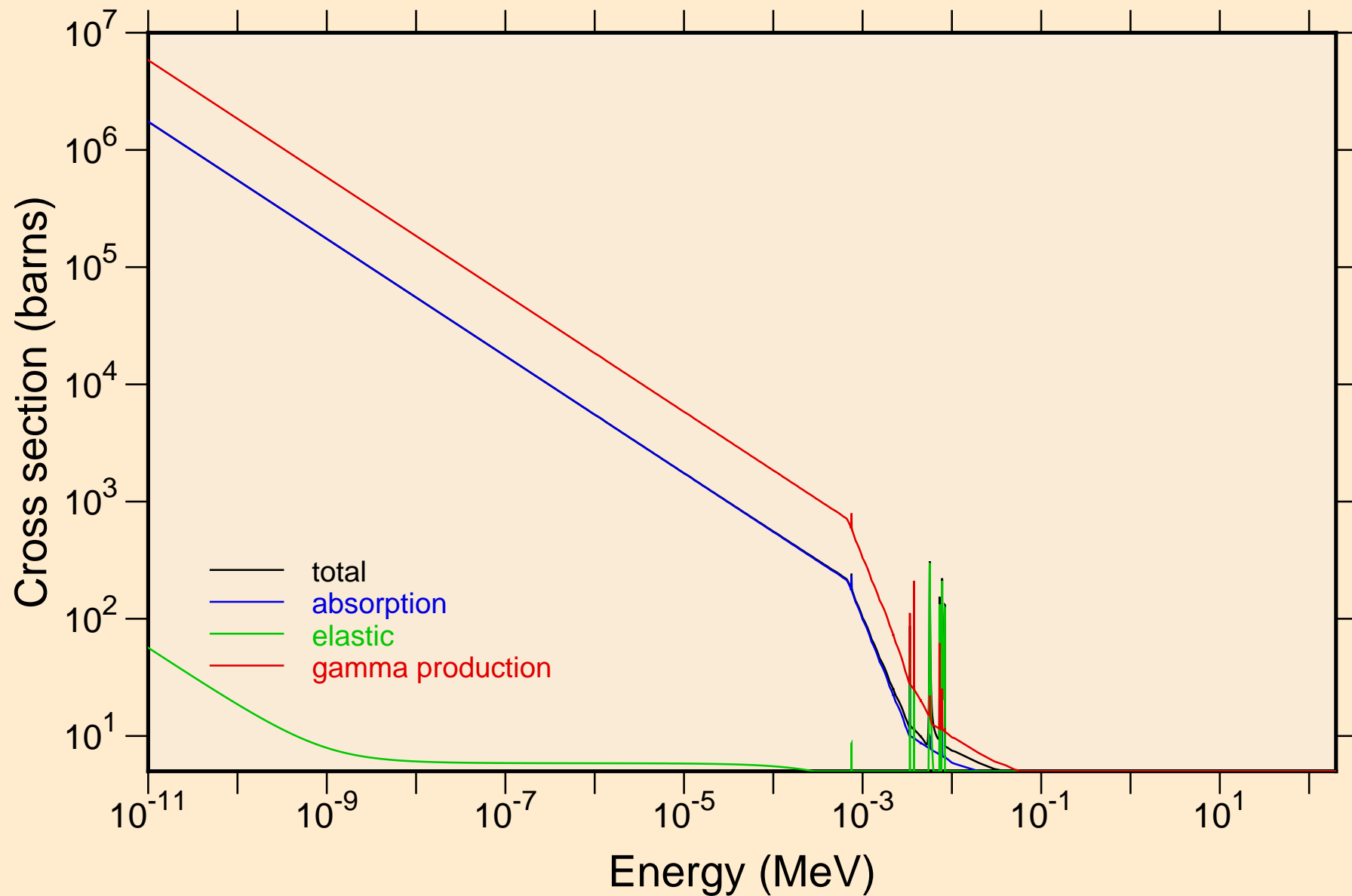
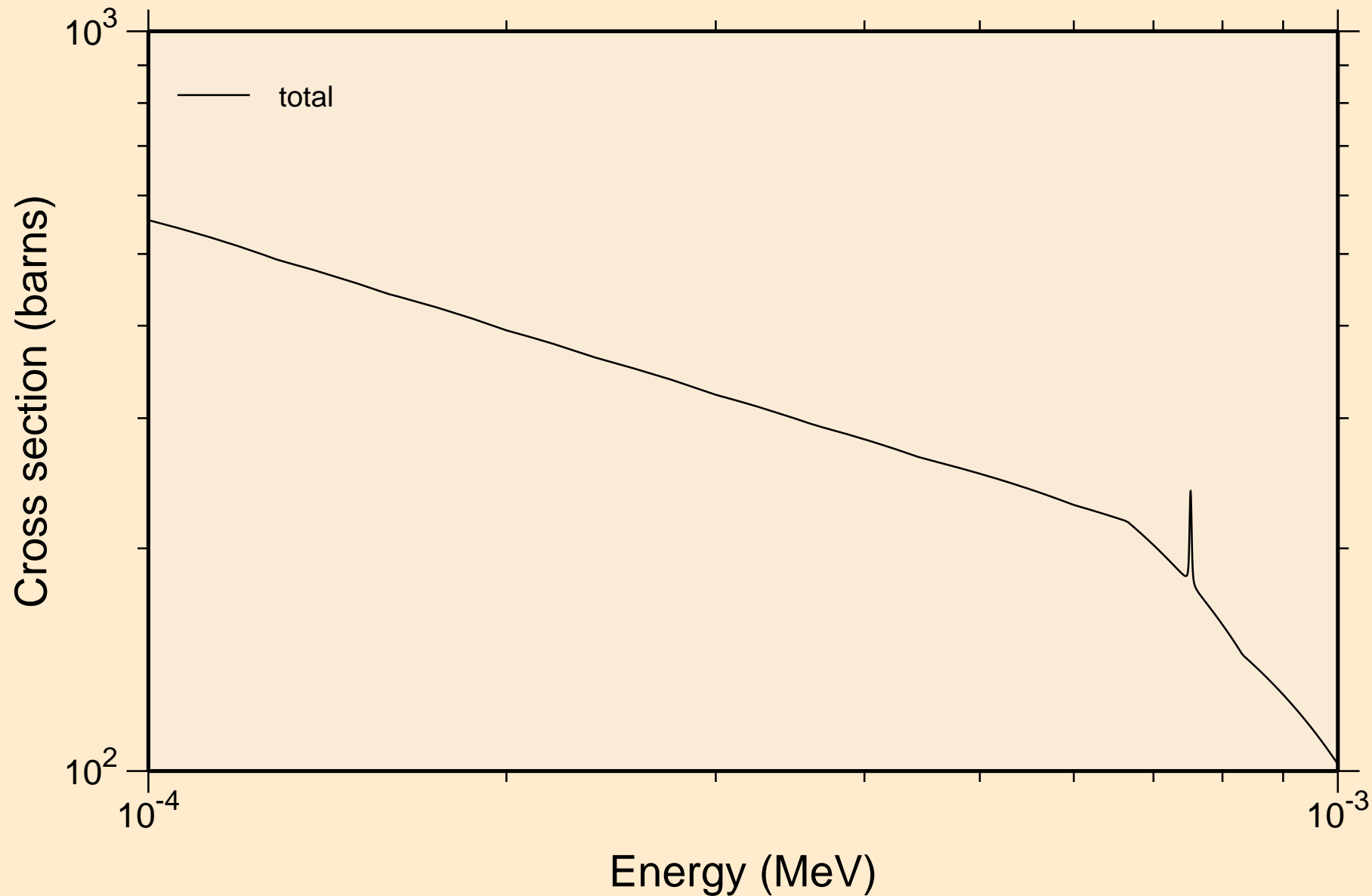


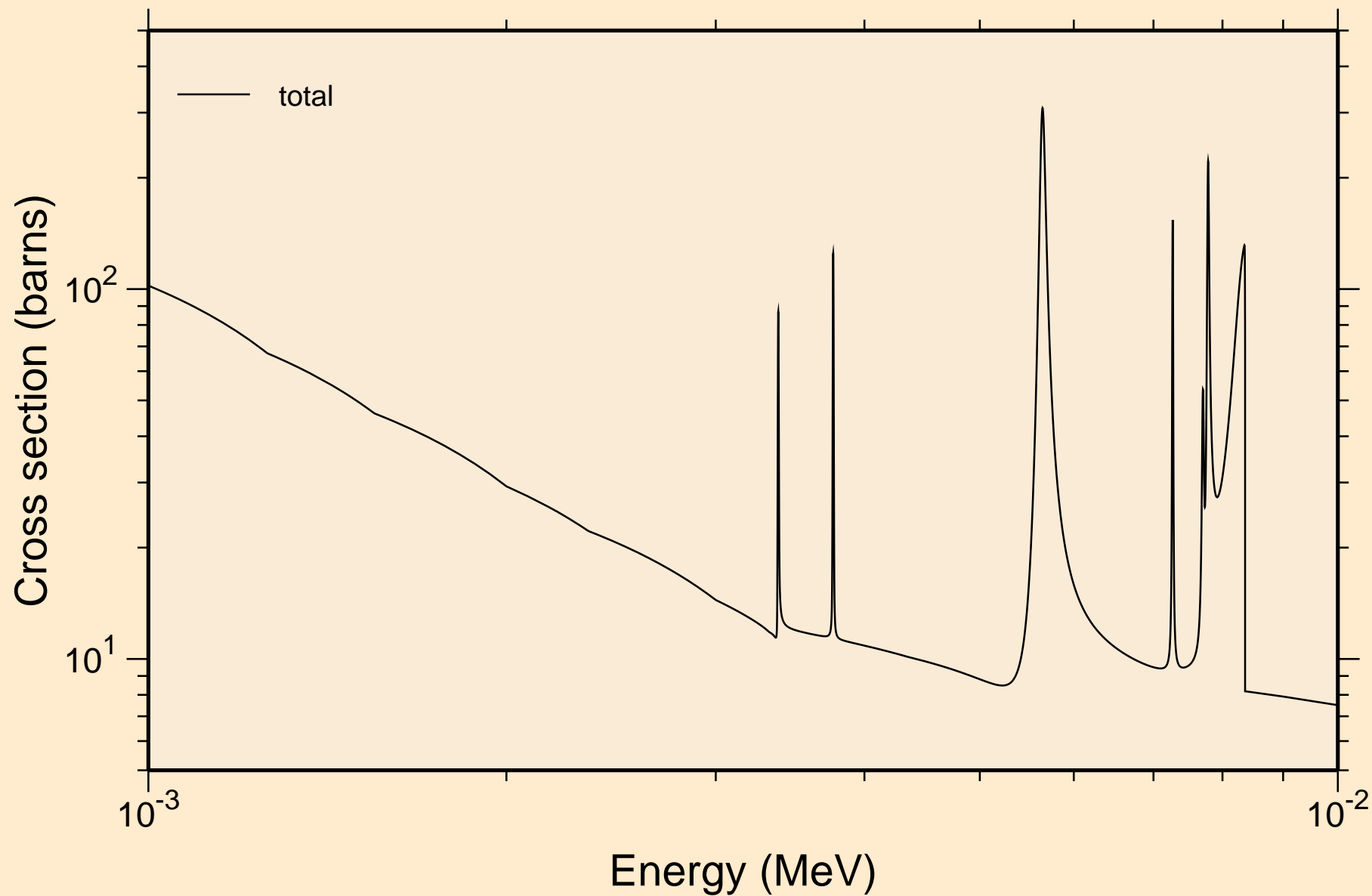
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



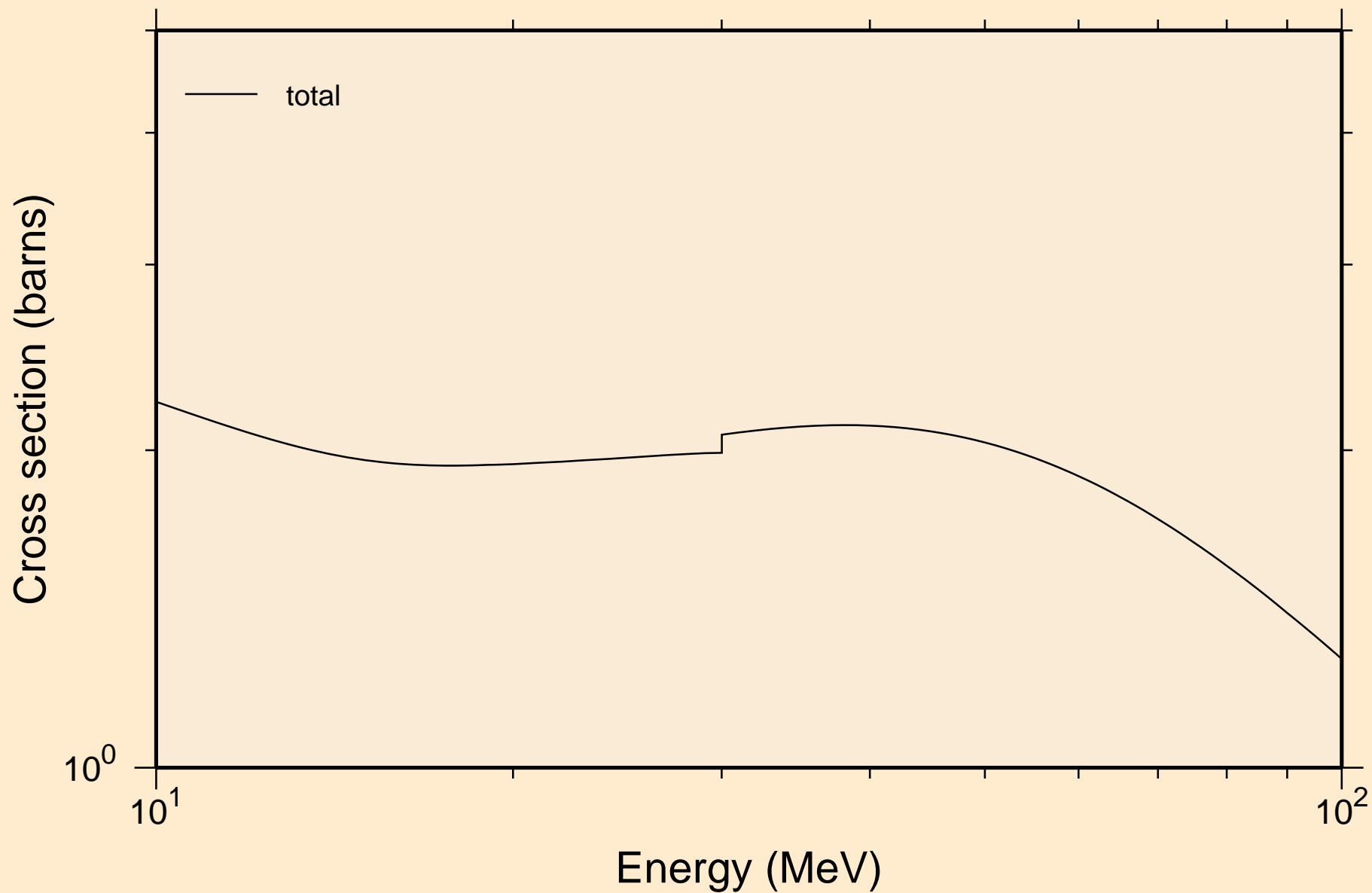
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resonance total cross section



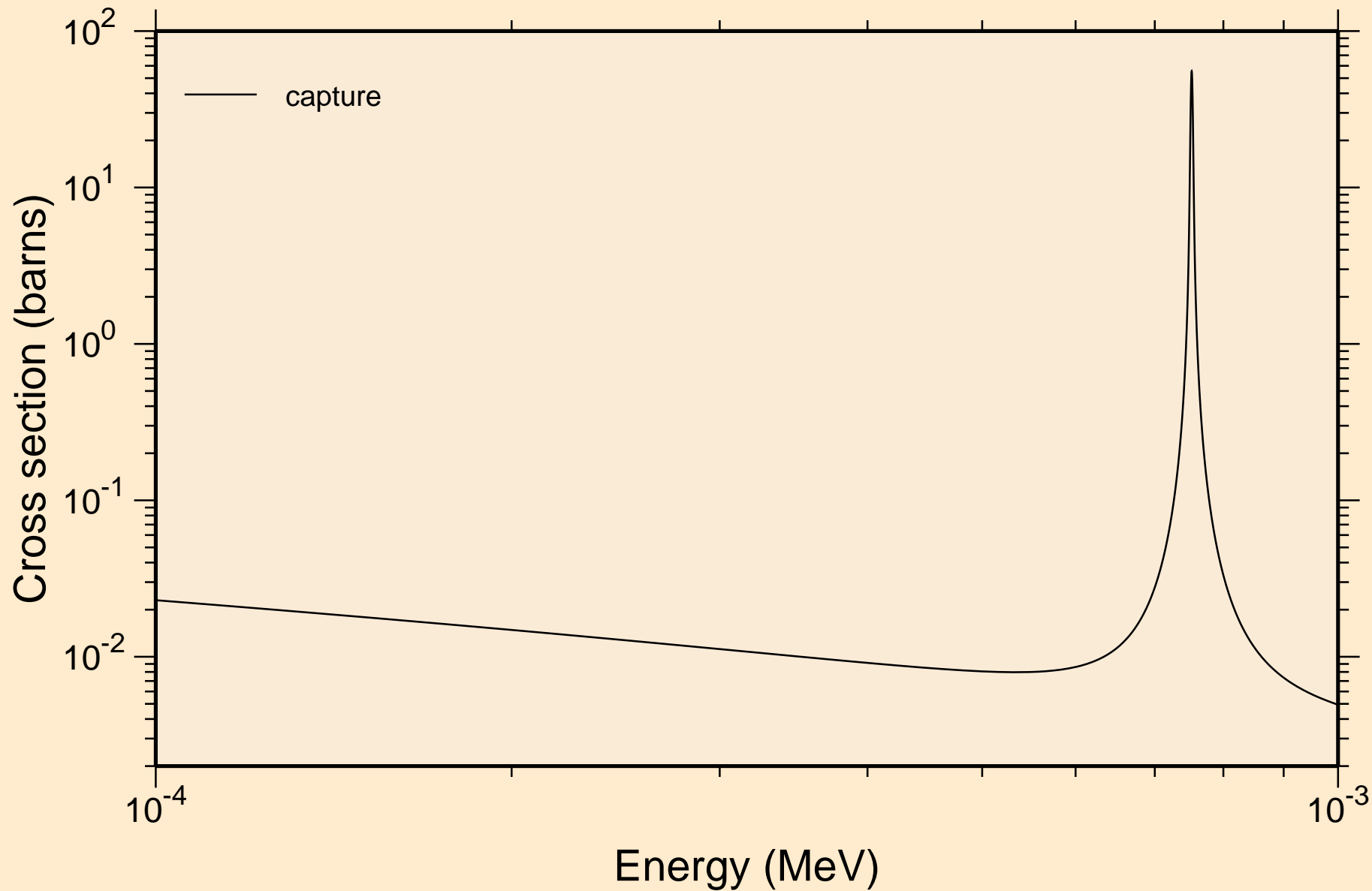
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resonance total cross section



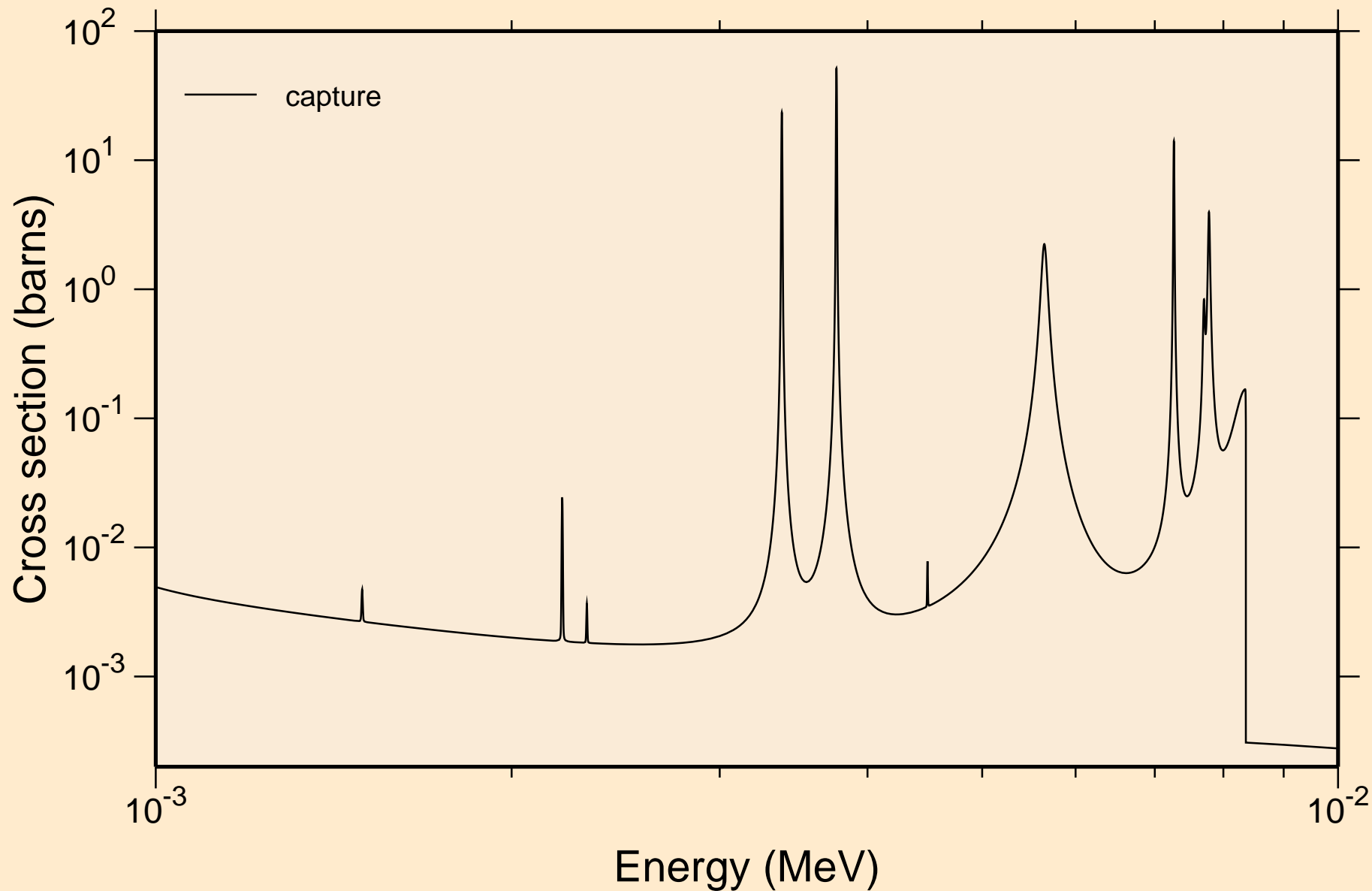
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resonance total cross section



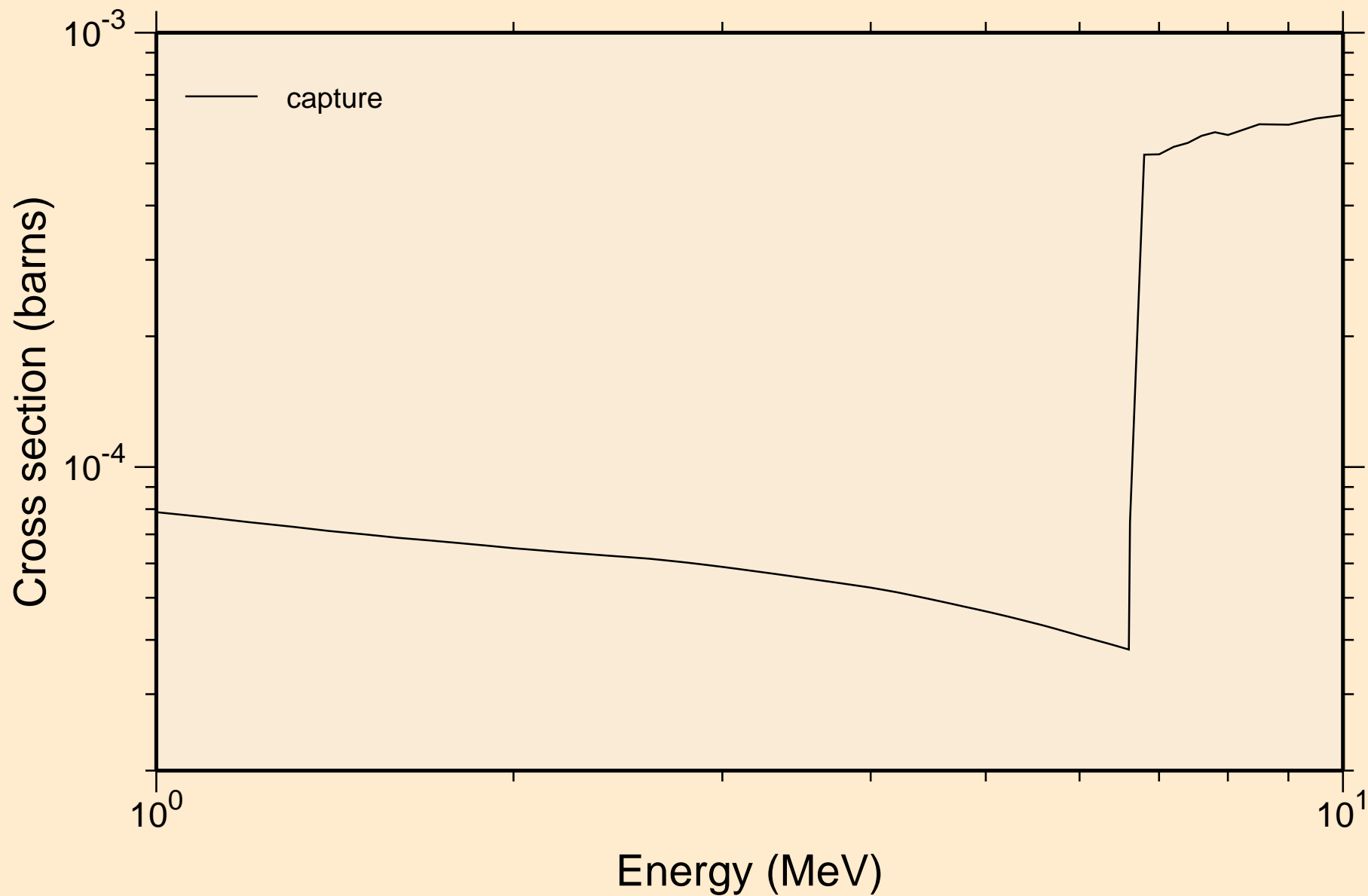
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



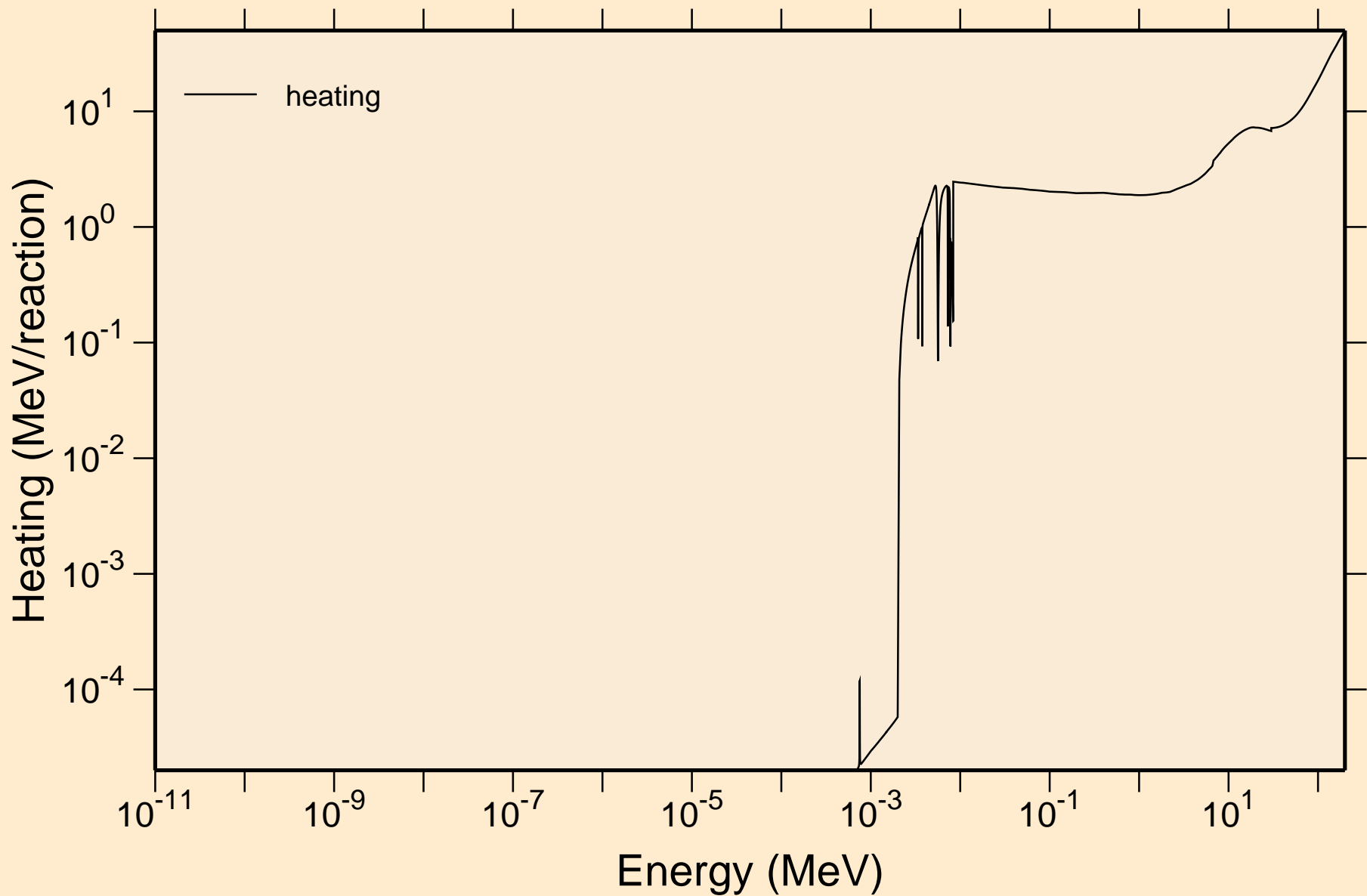
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

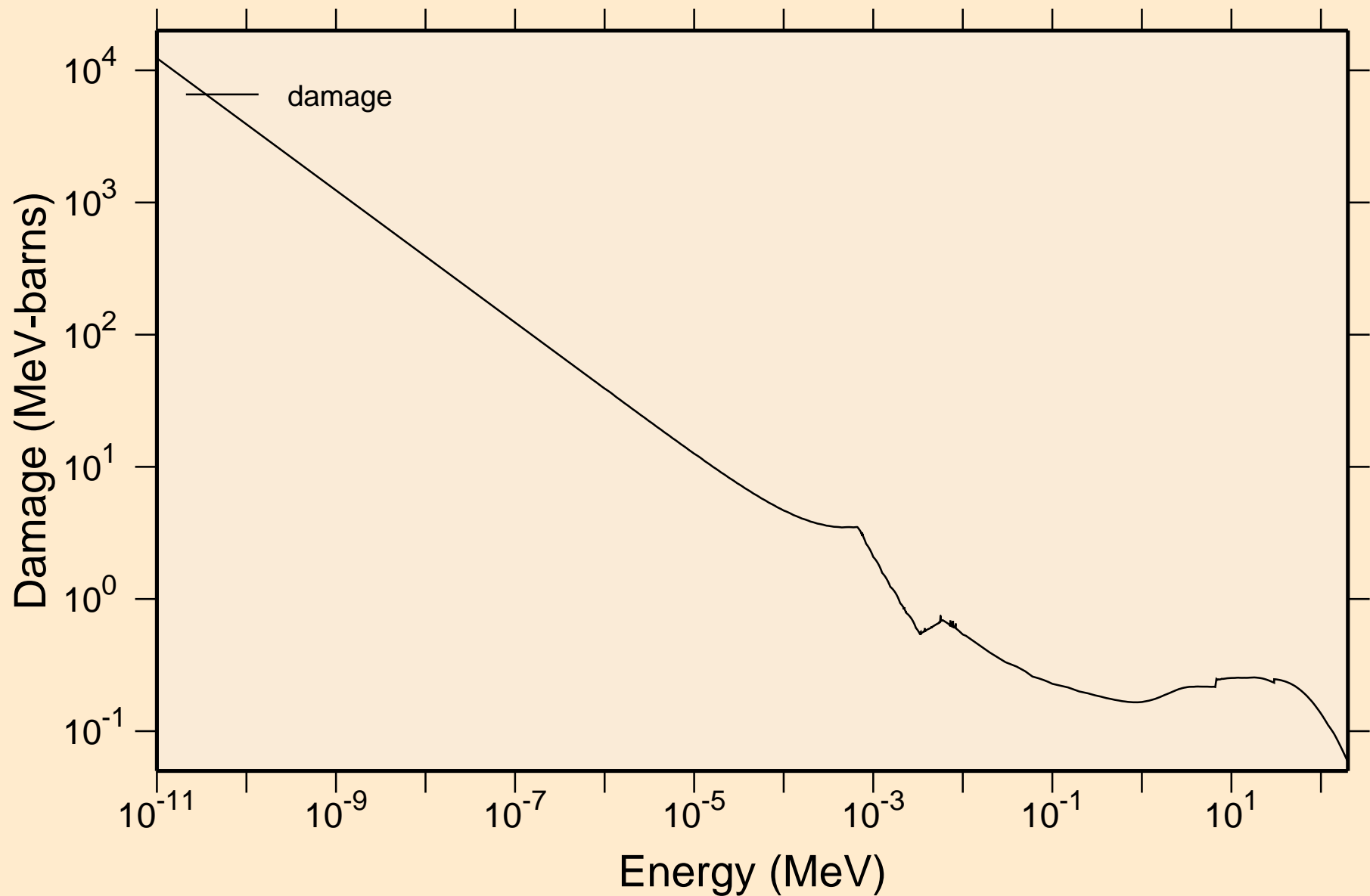


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



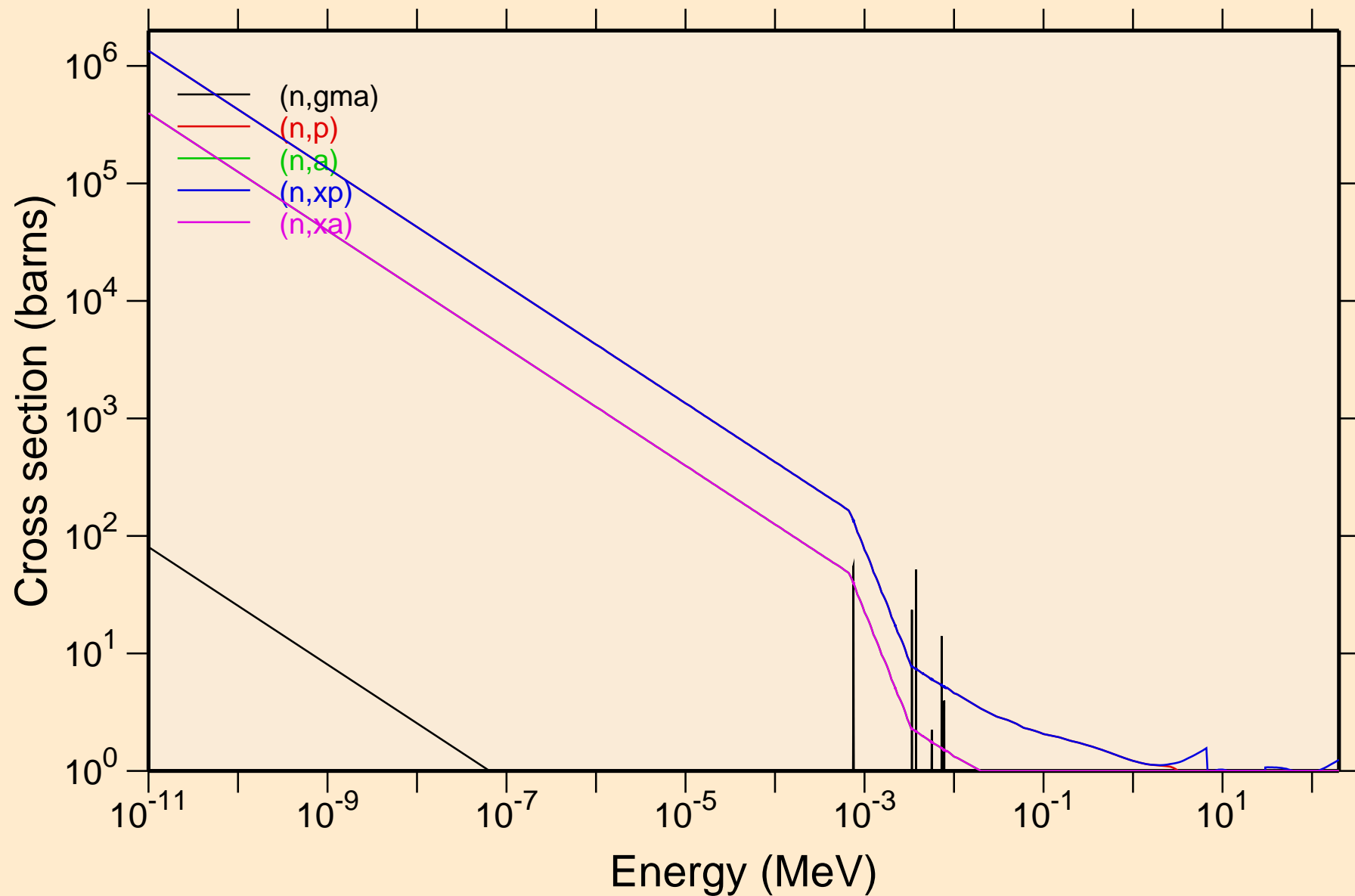


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

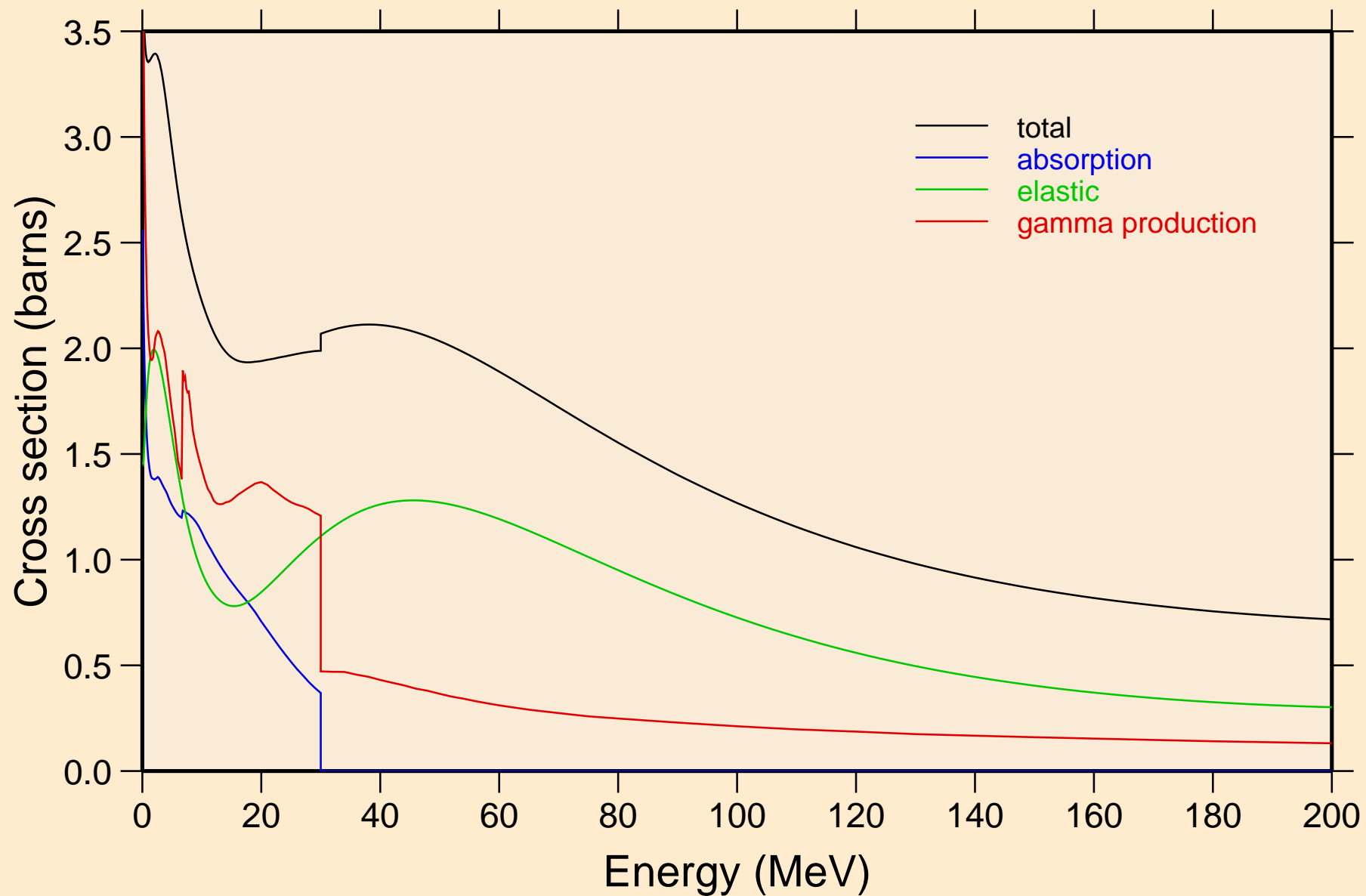


# AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

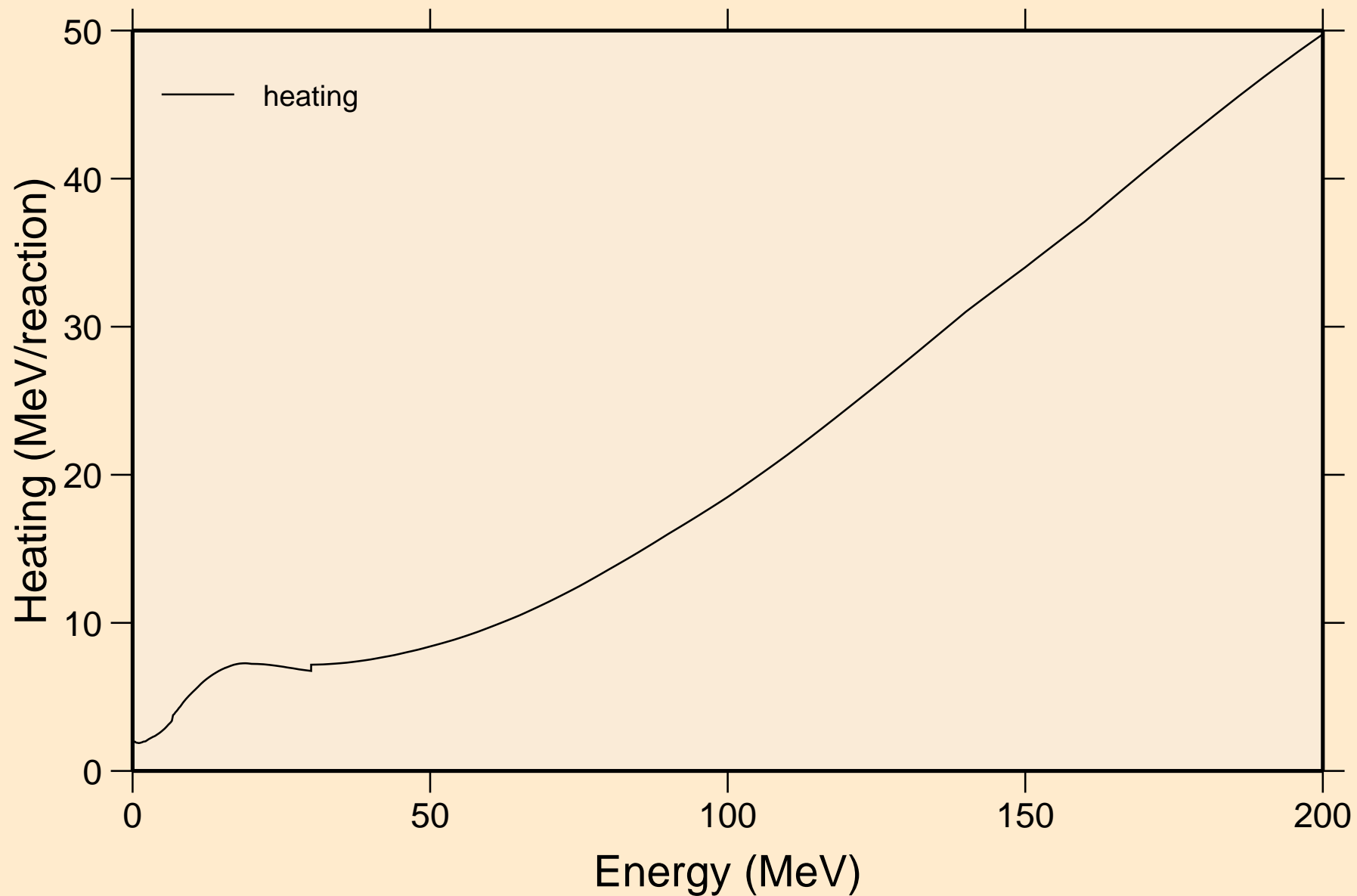
## Non-threshold reactions



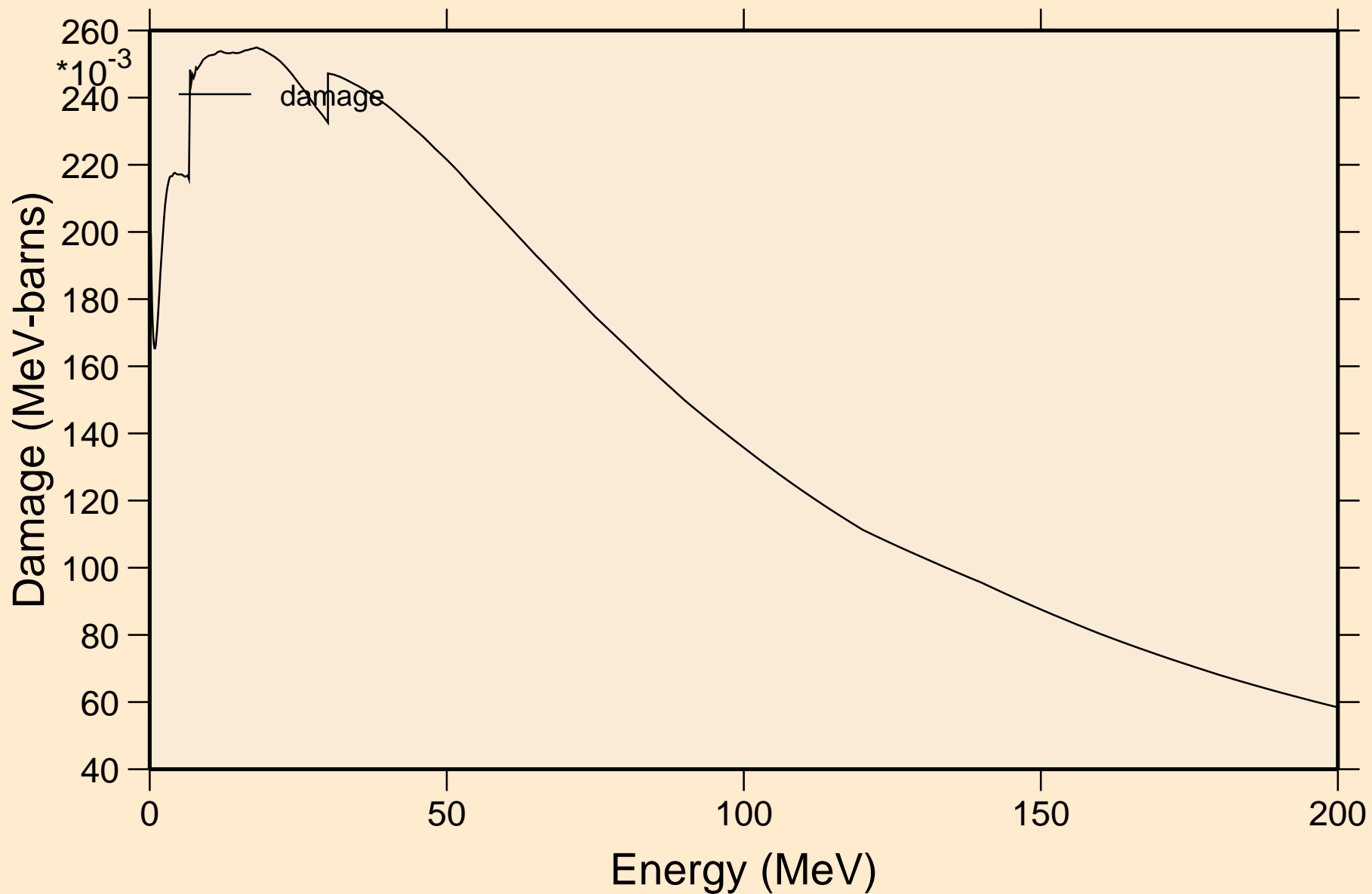
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Principal cross sections



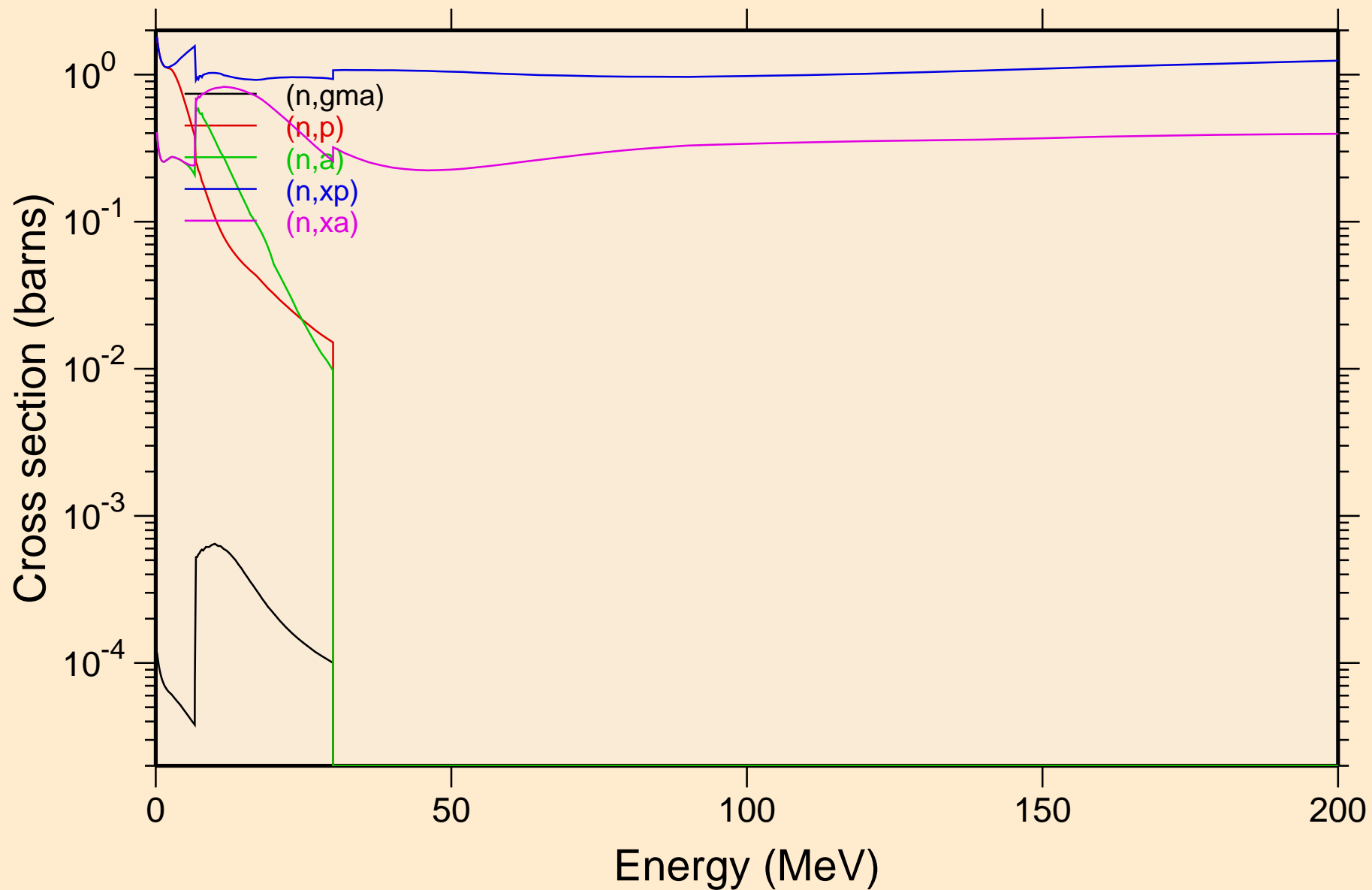
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



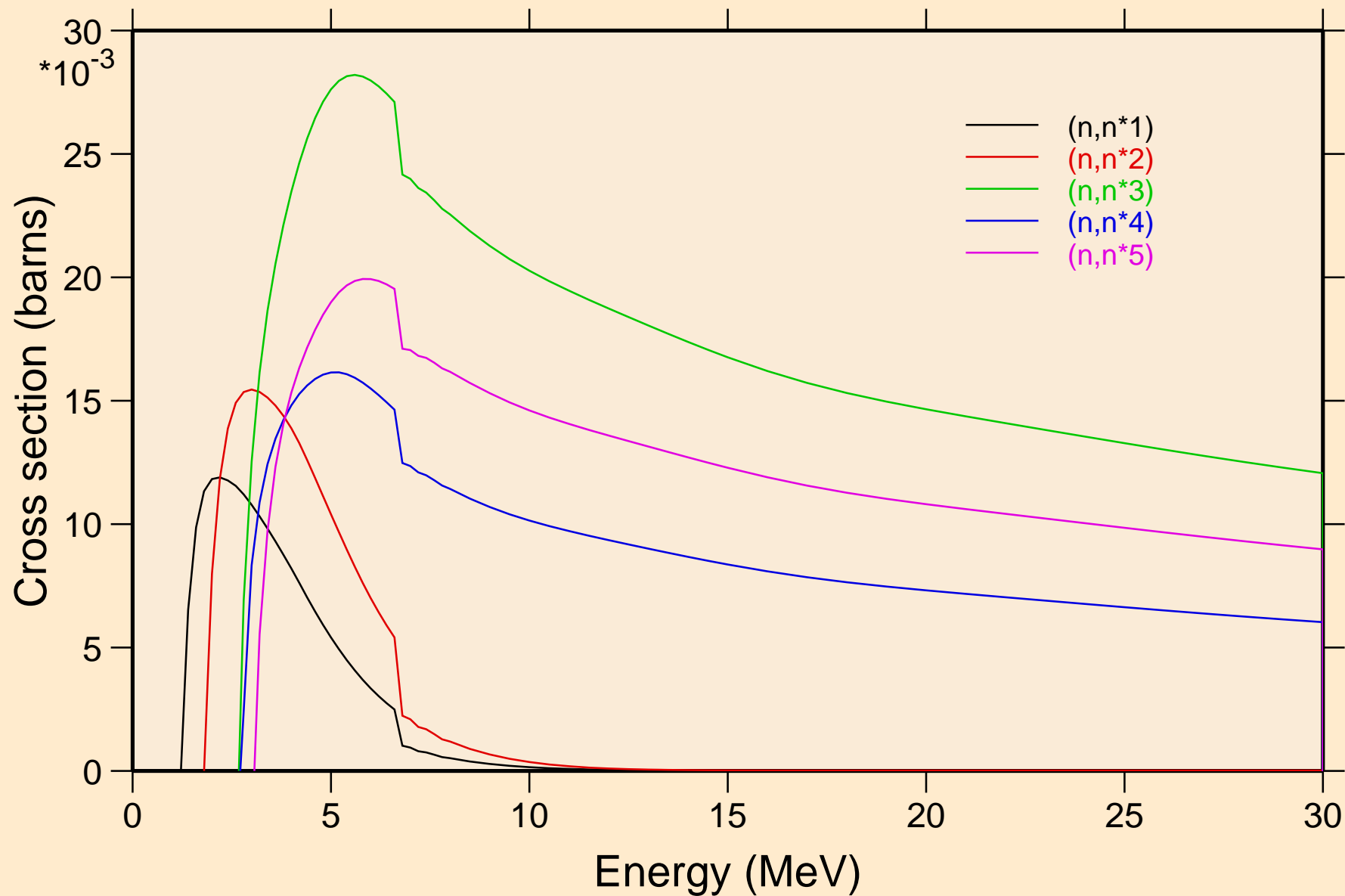
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Damage



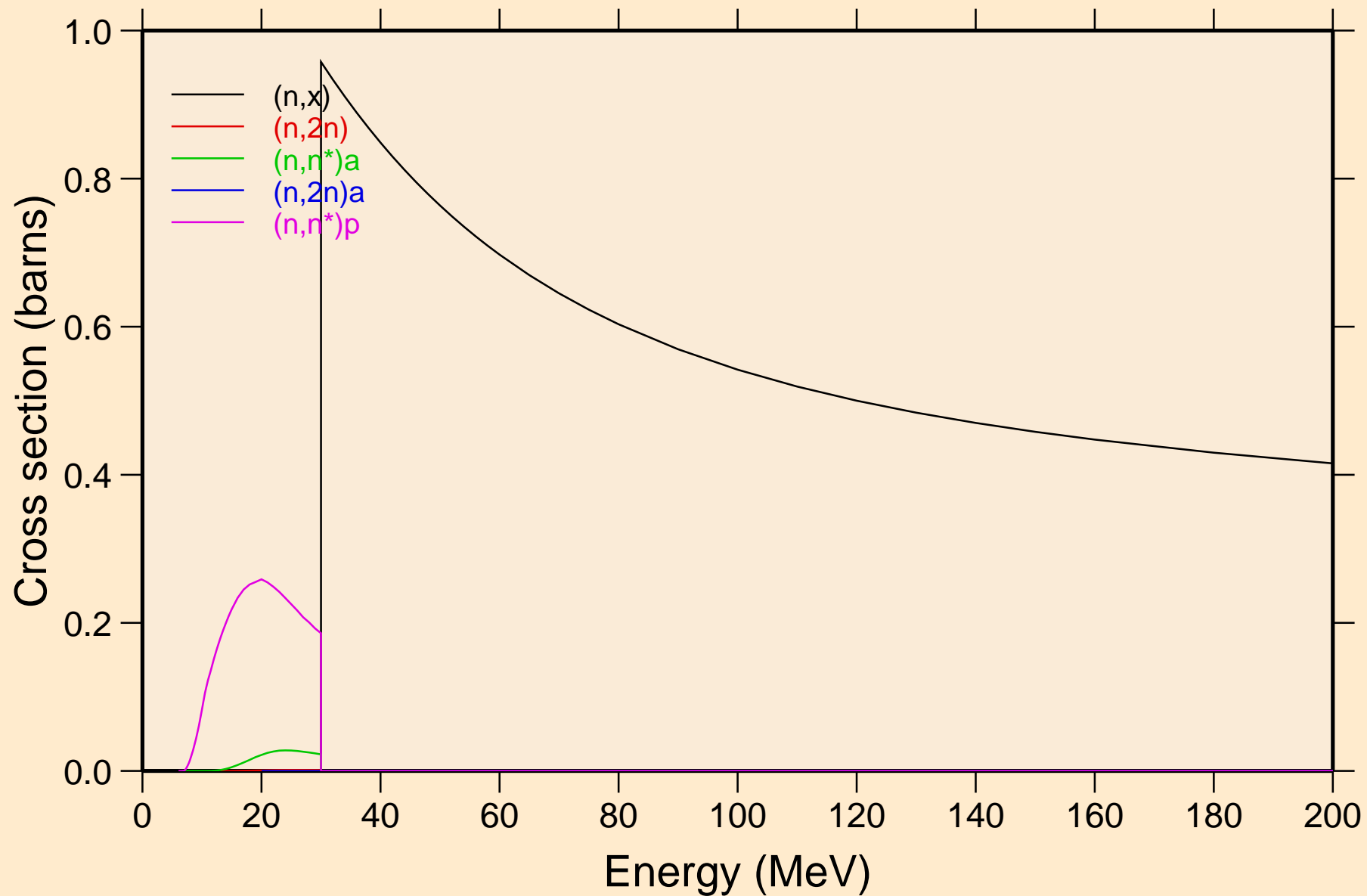
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

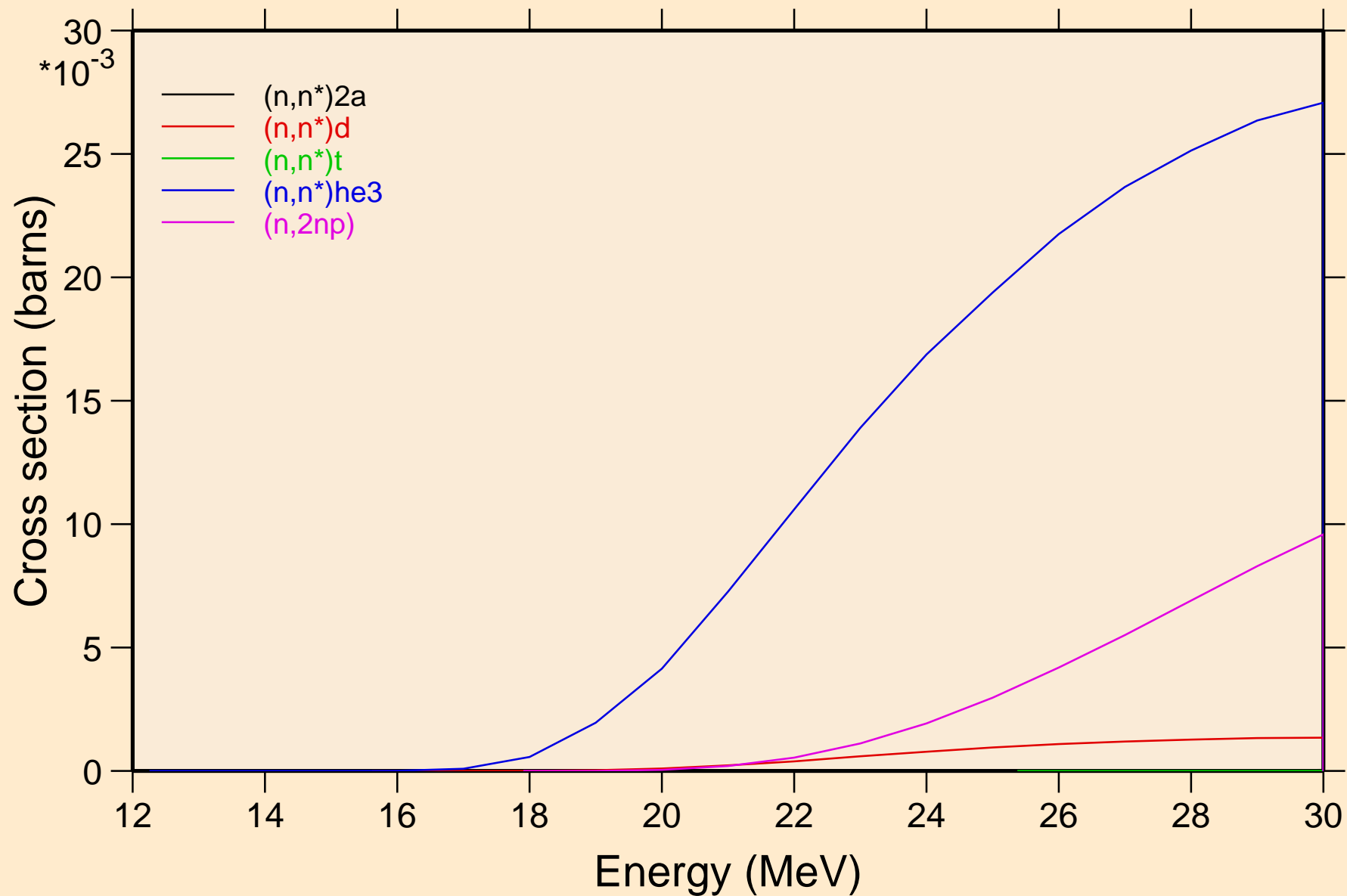


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

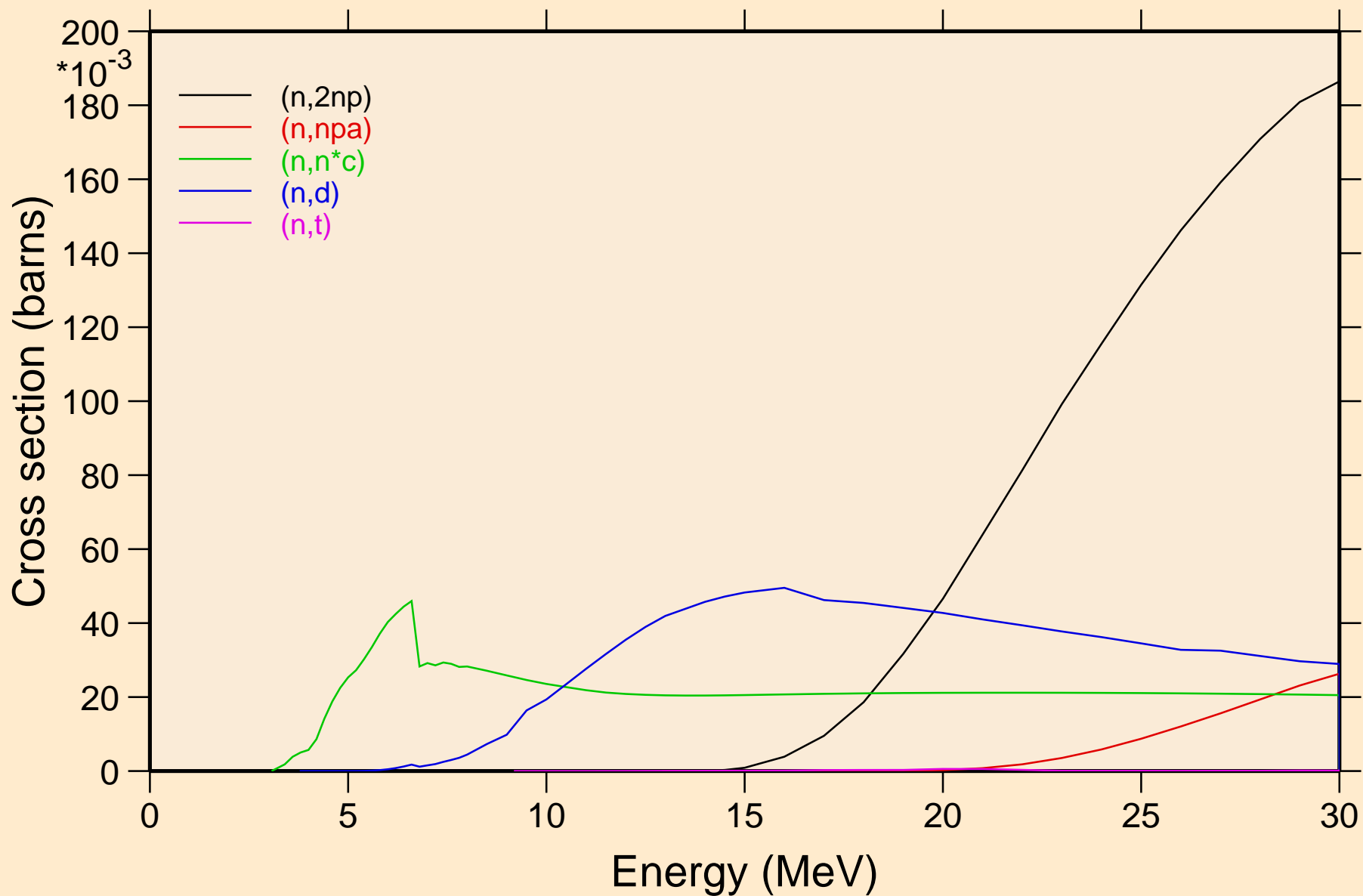




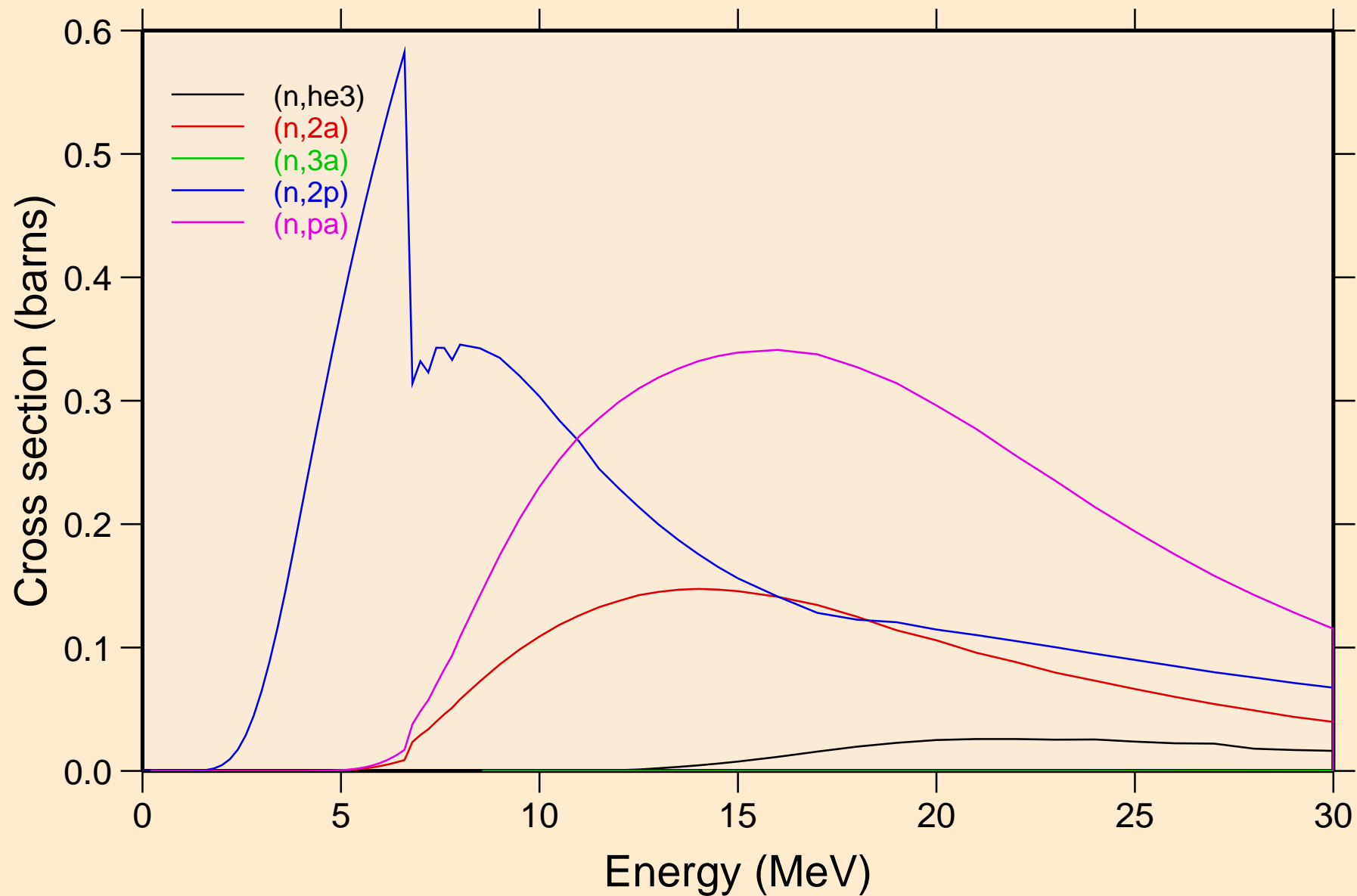
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



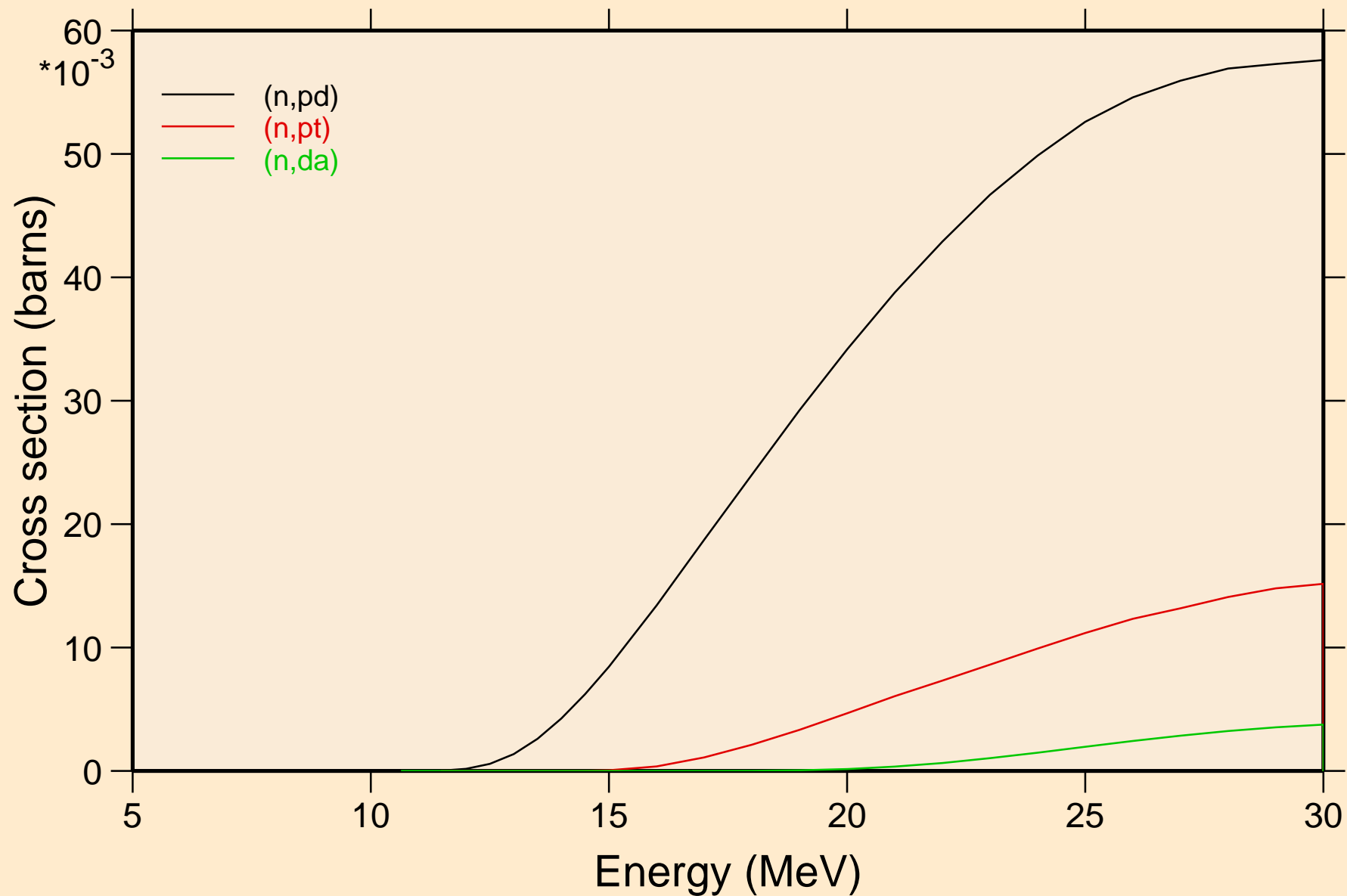
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Threshold reactions



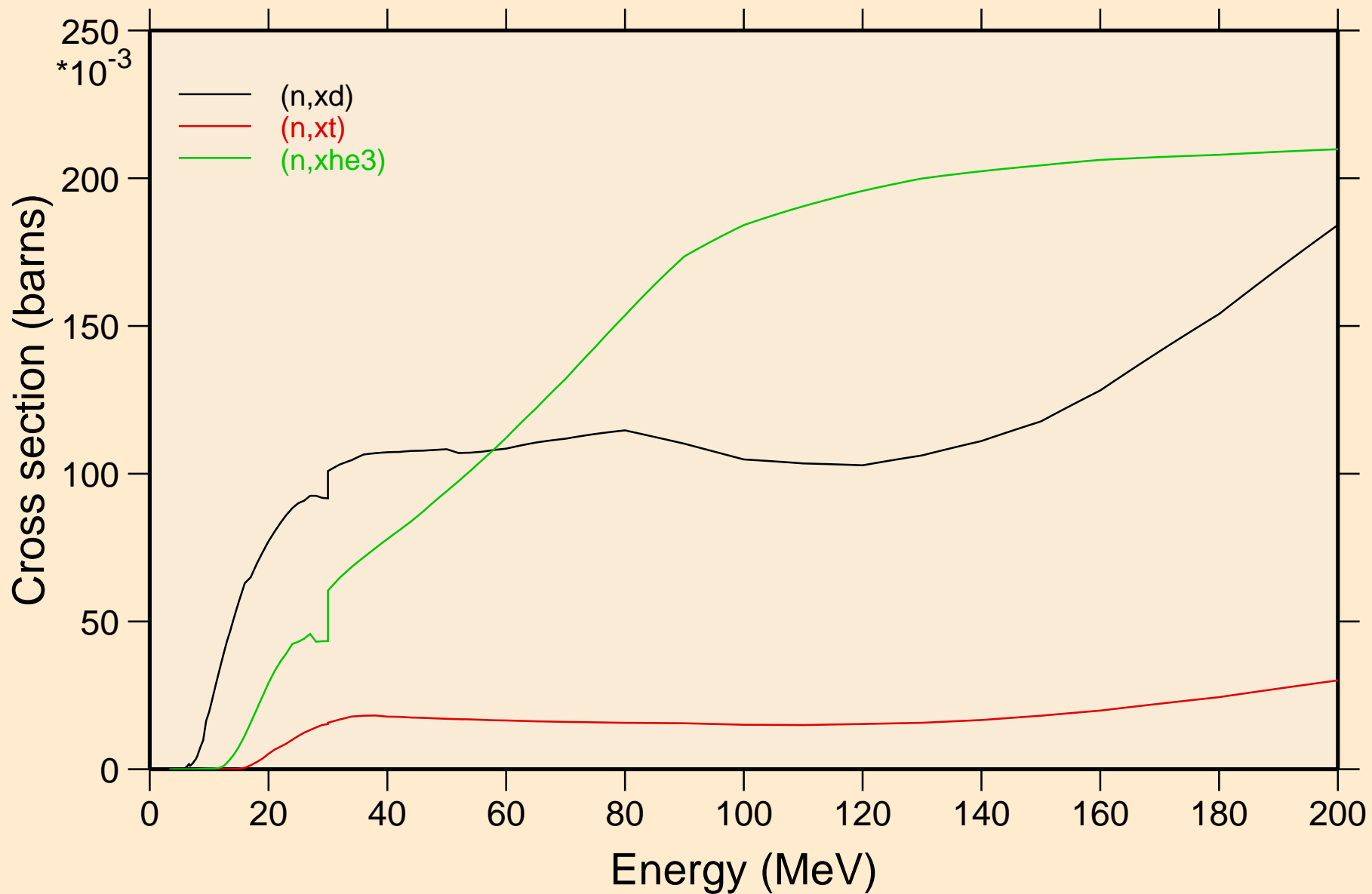
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



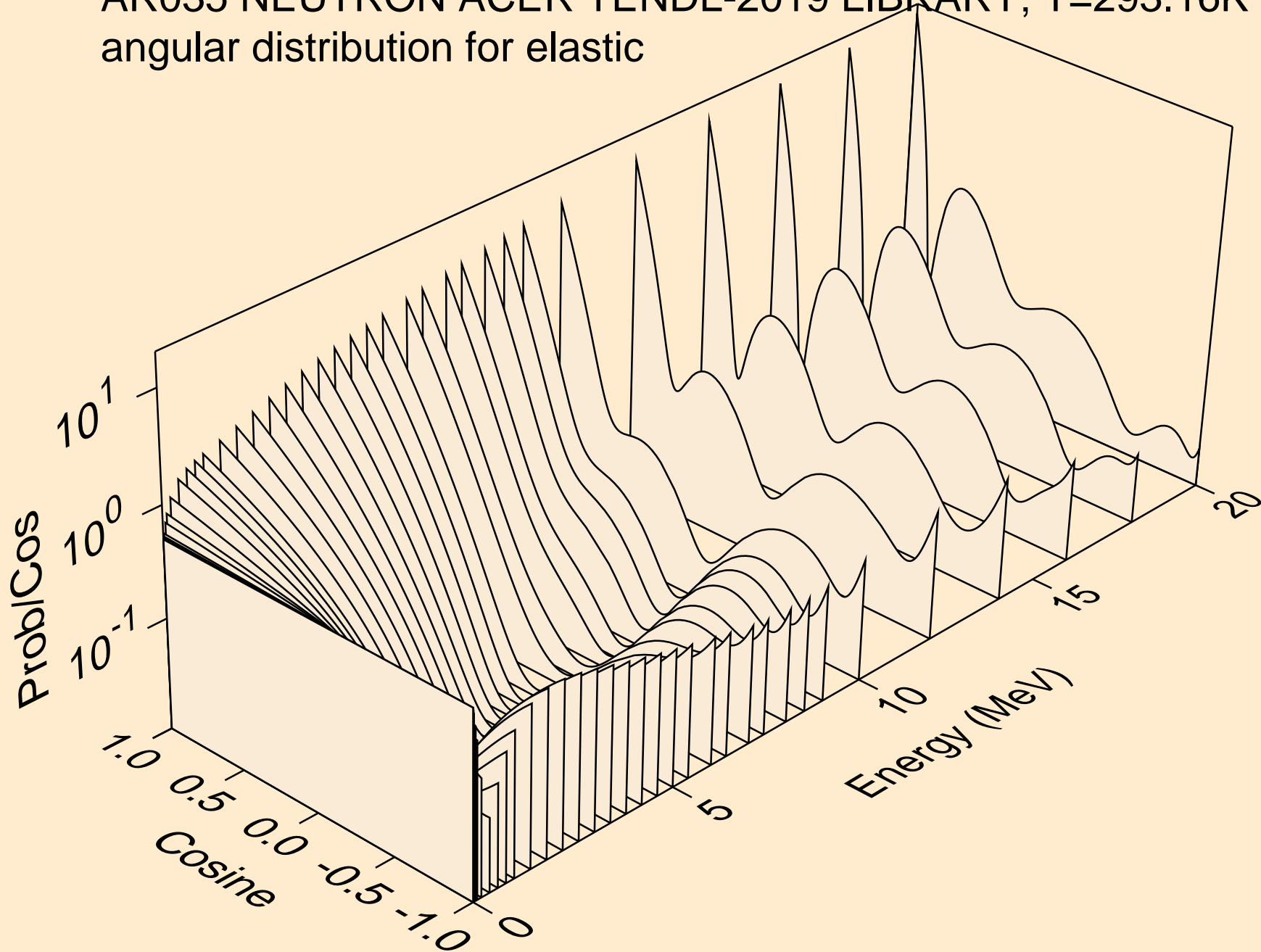
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Threshold reactions



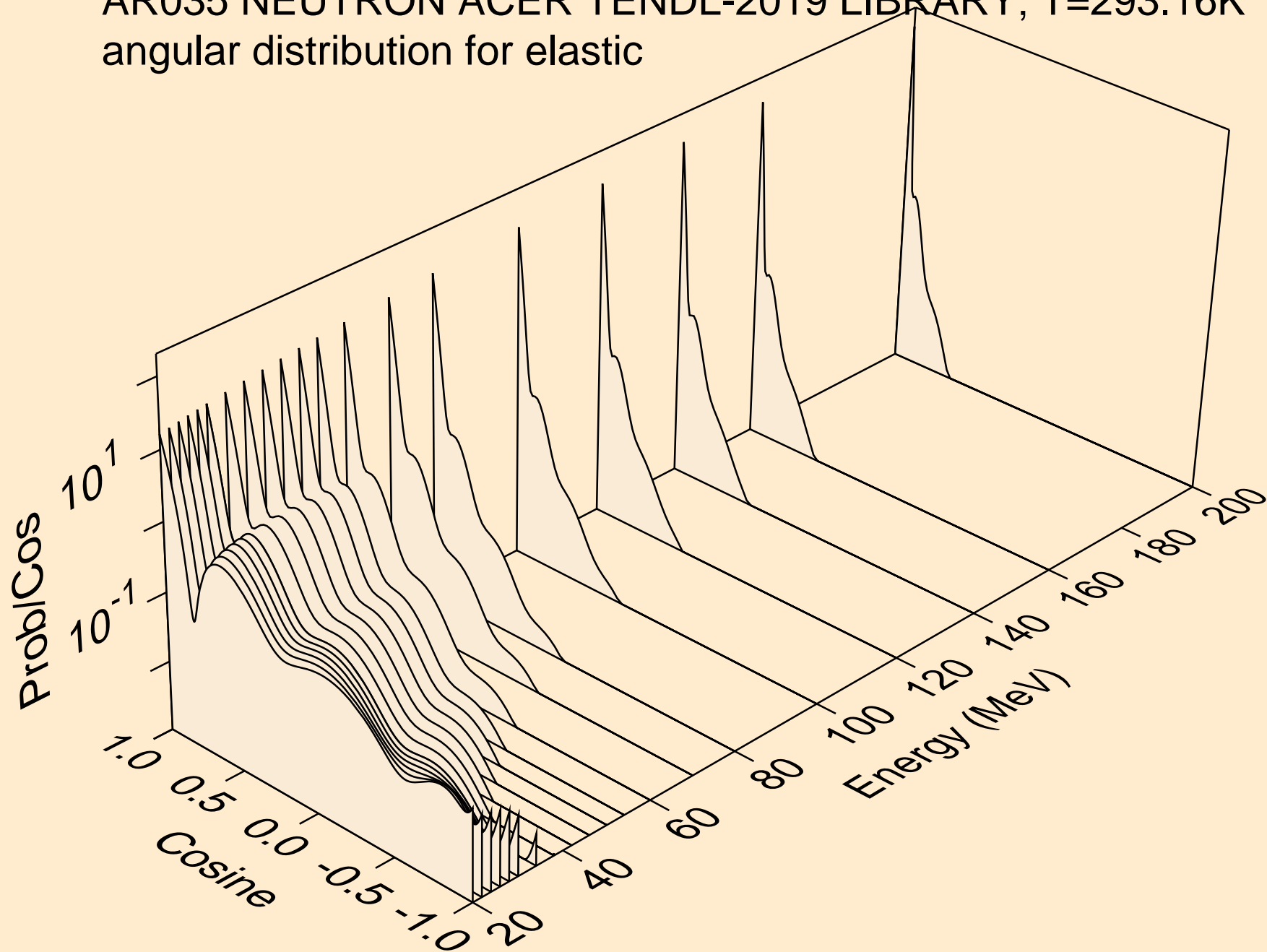
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Threshold reactions



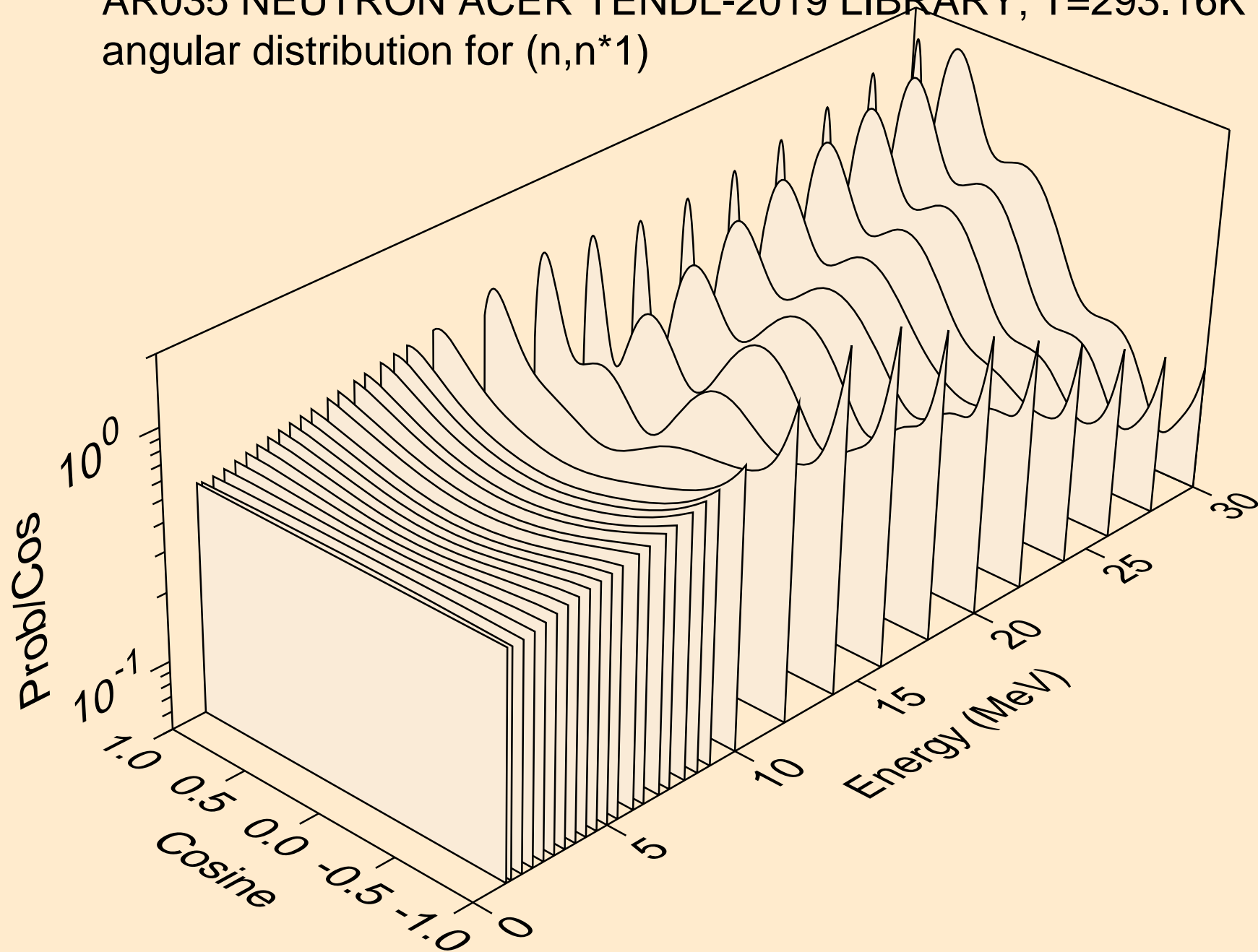
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

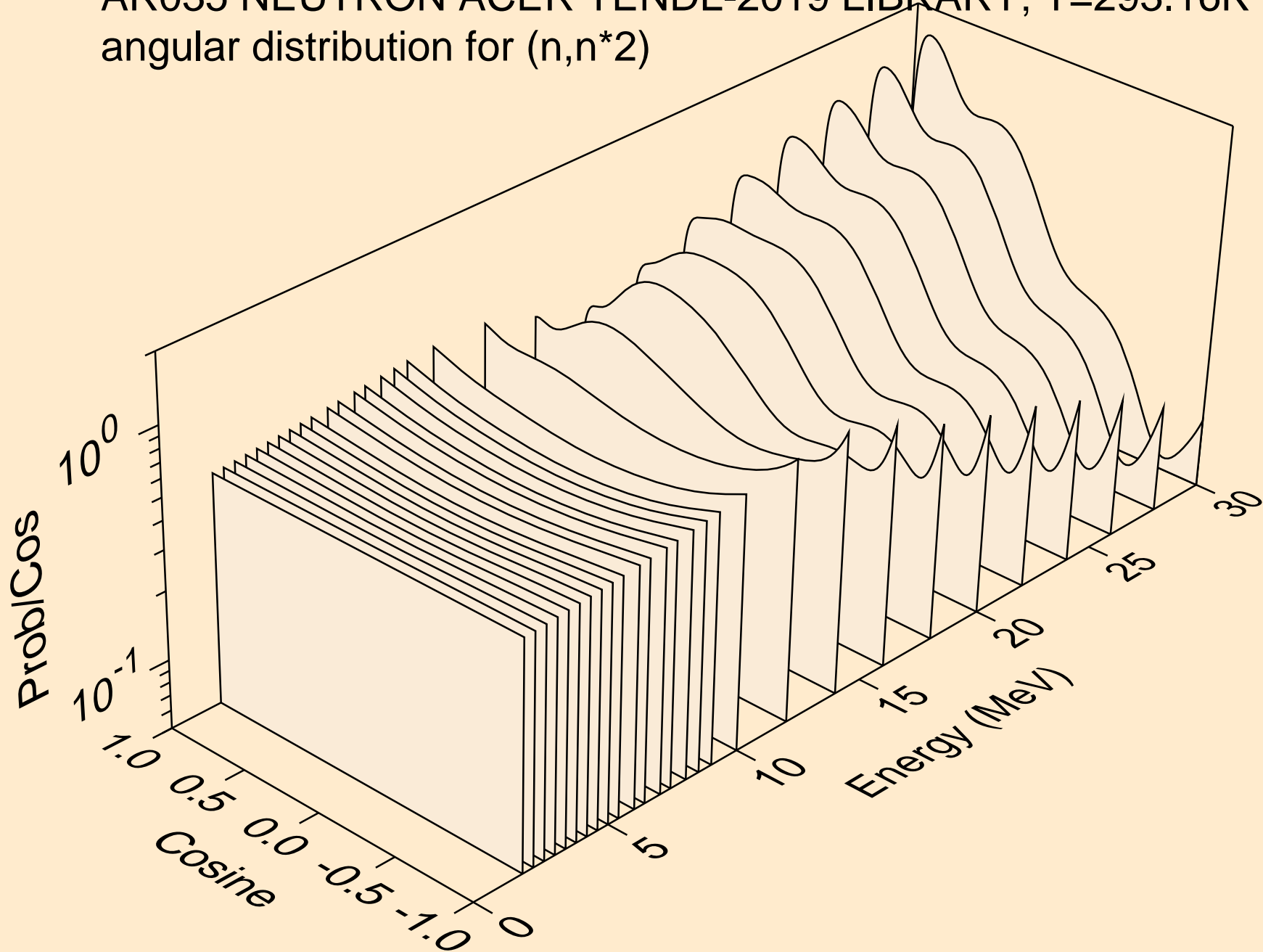


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angular distribution for (n,n\*1)

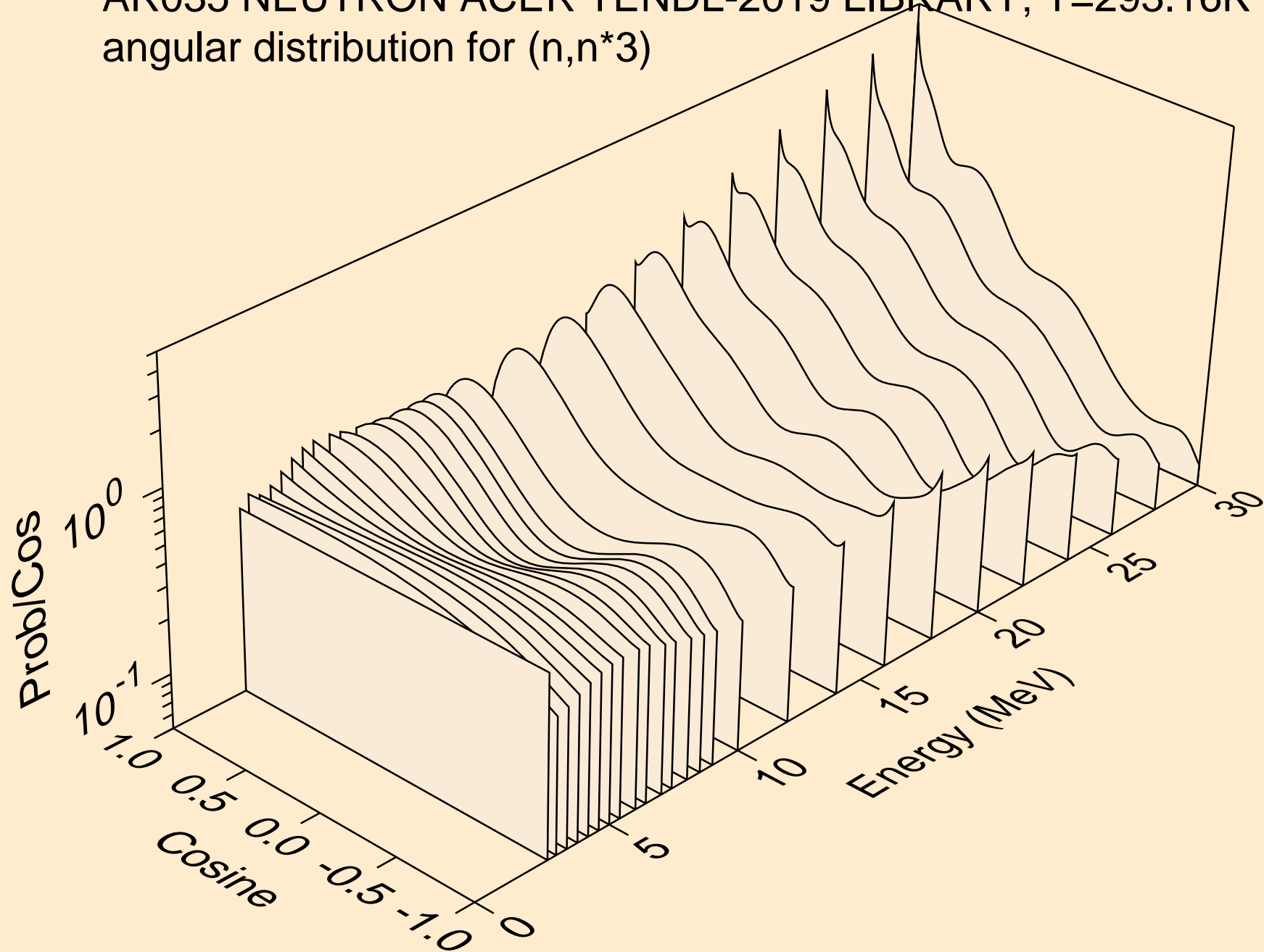




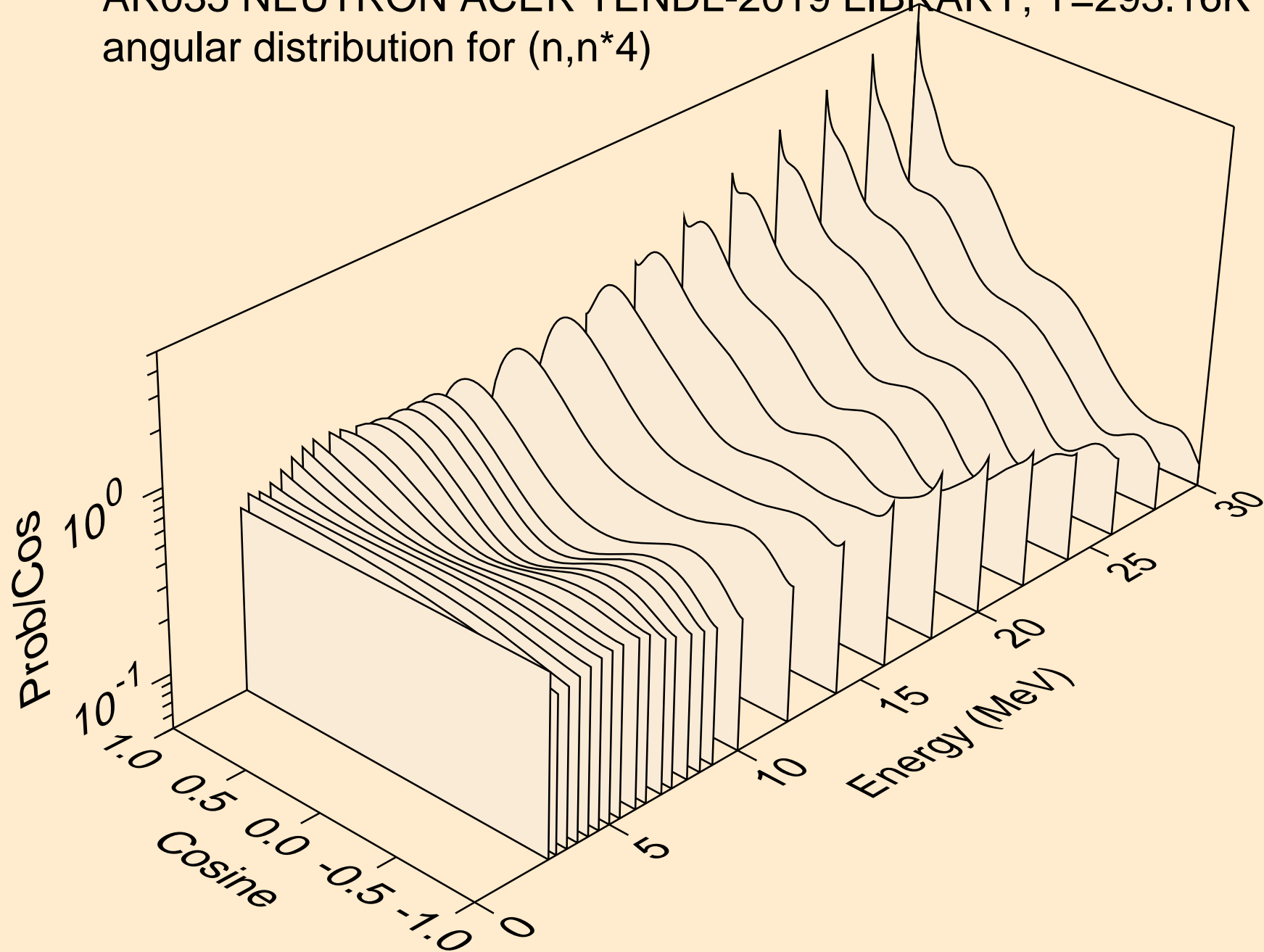
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angular distribution for (n,n\*2)



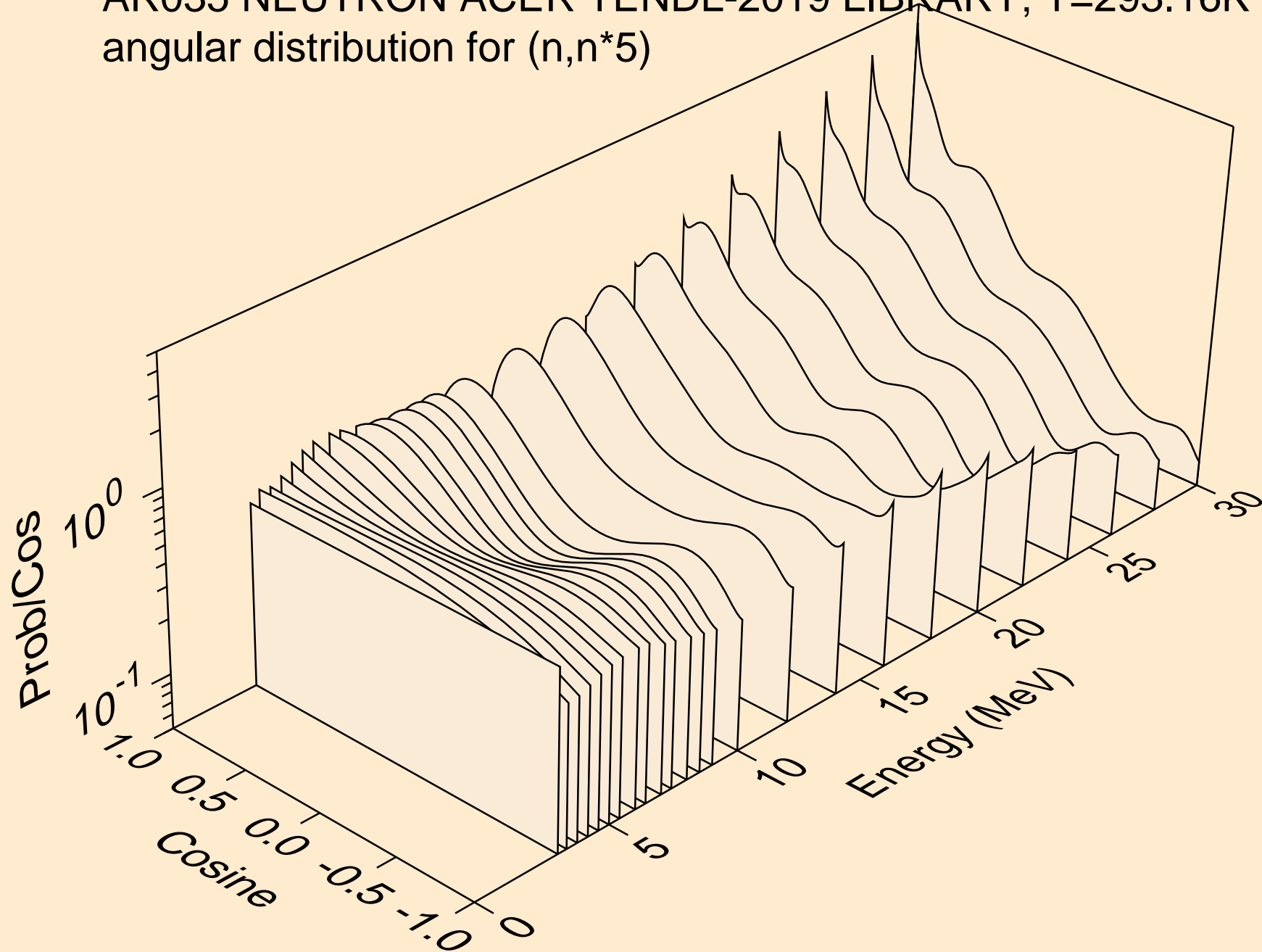
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angular distribution for (n,n\*3)



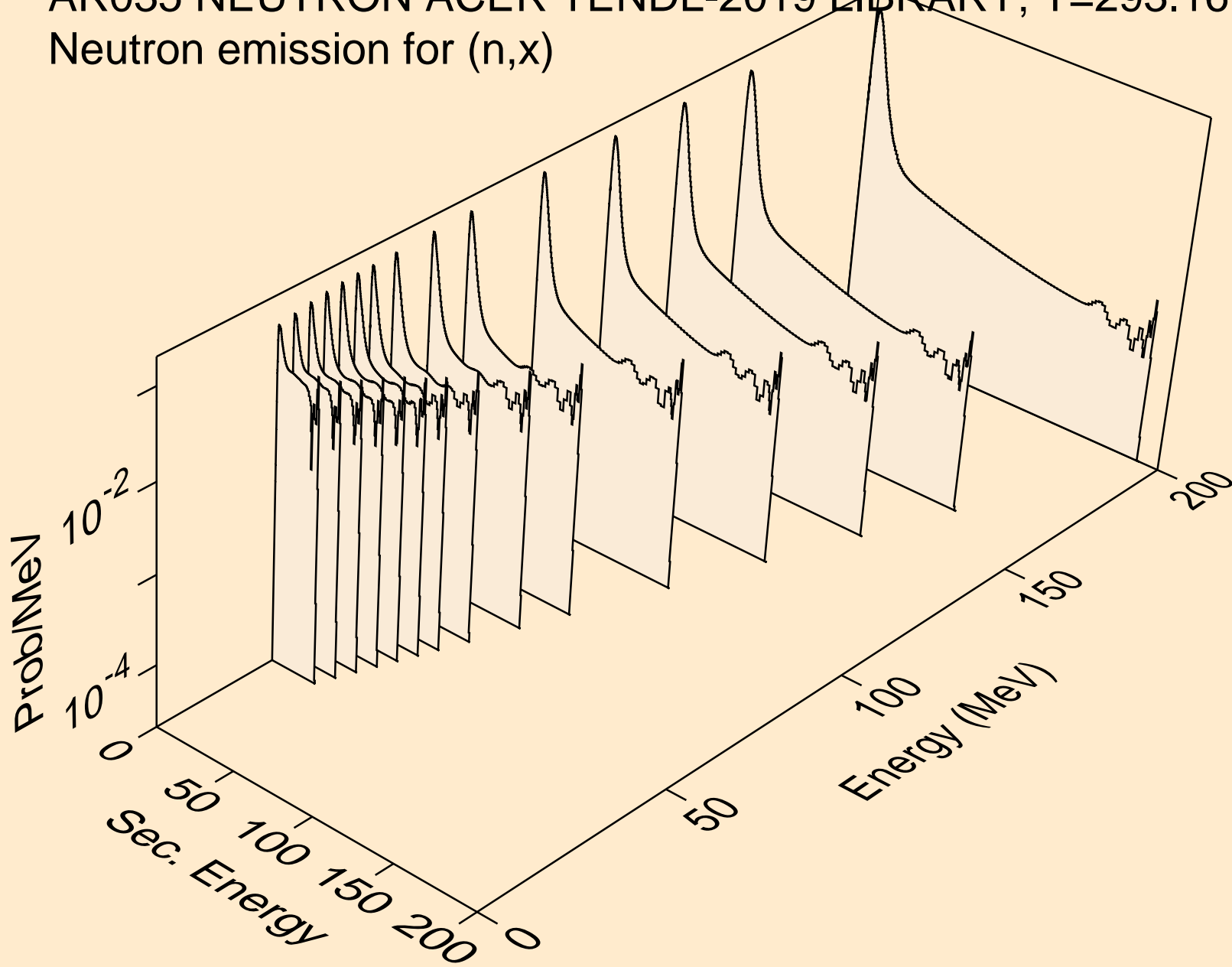
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angular distribution for (n,n\*4)



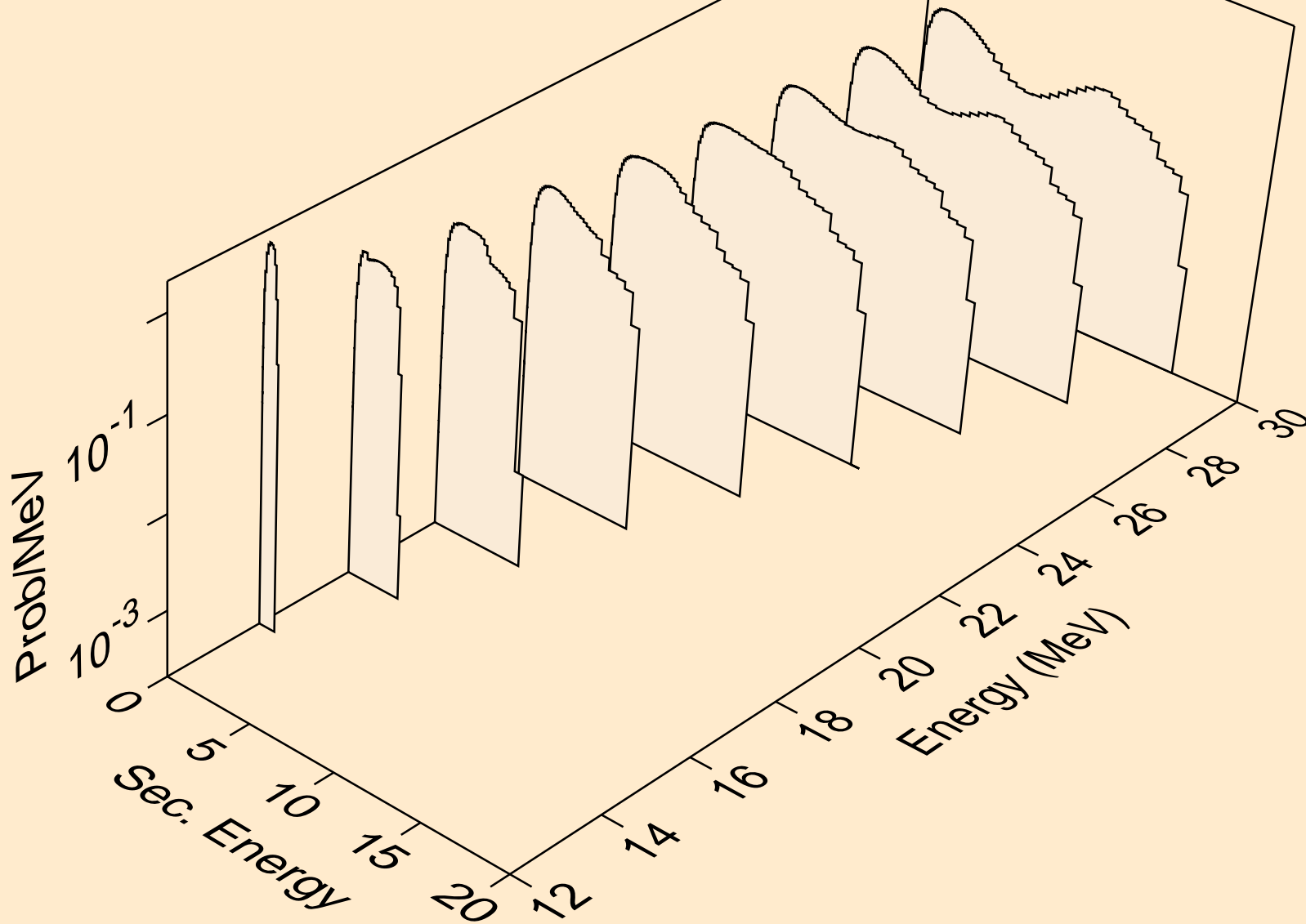
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angular distribution for (n,n\*5)



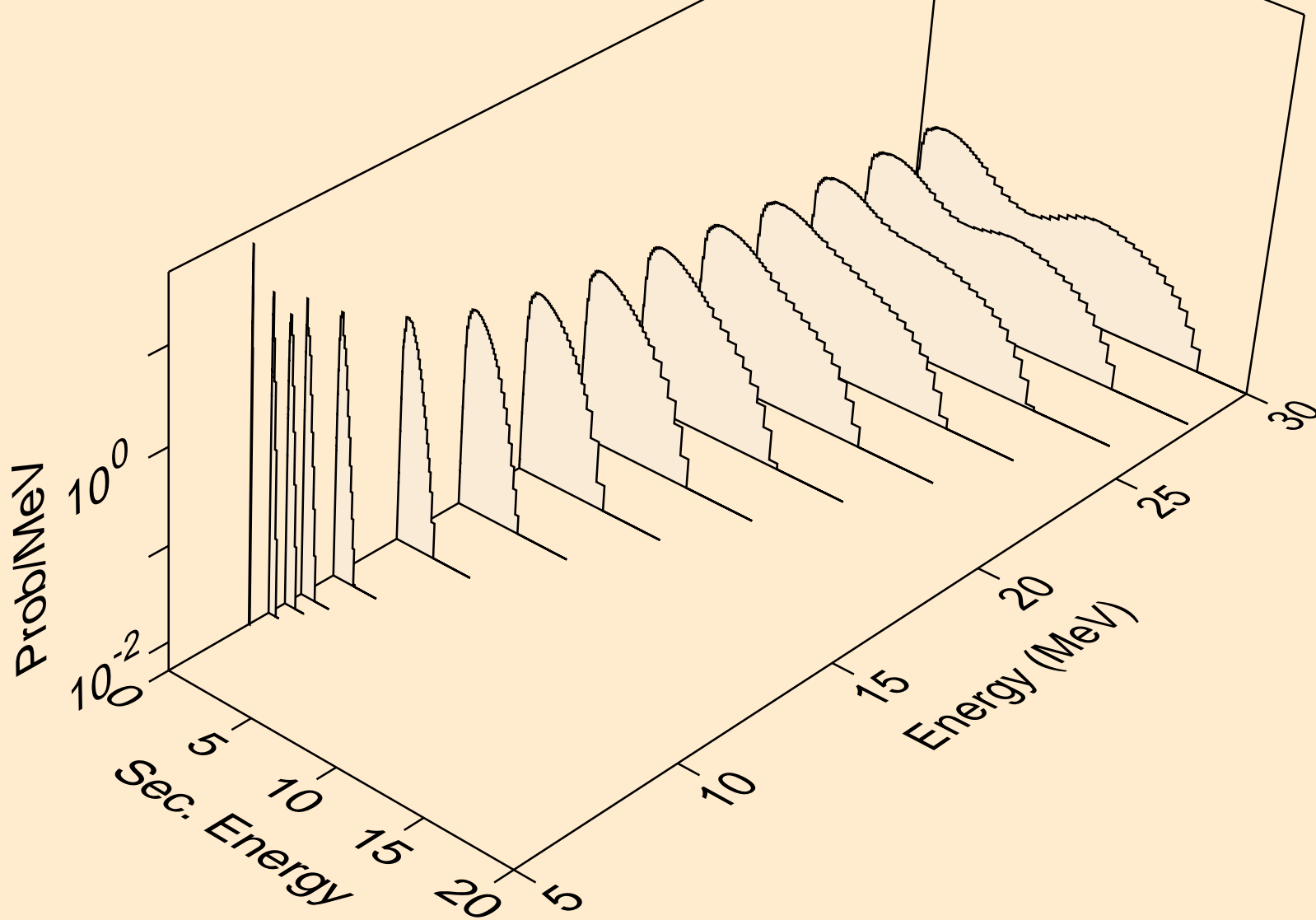
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Neutron emission for (n,x)



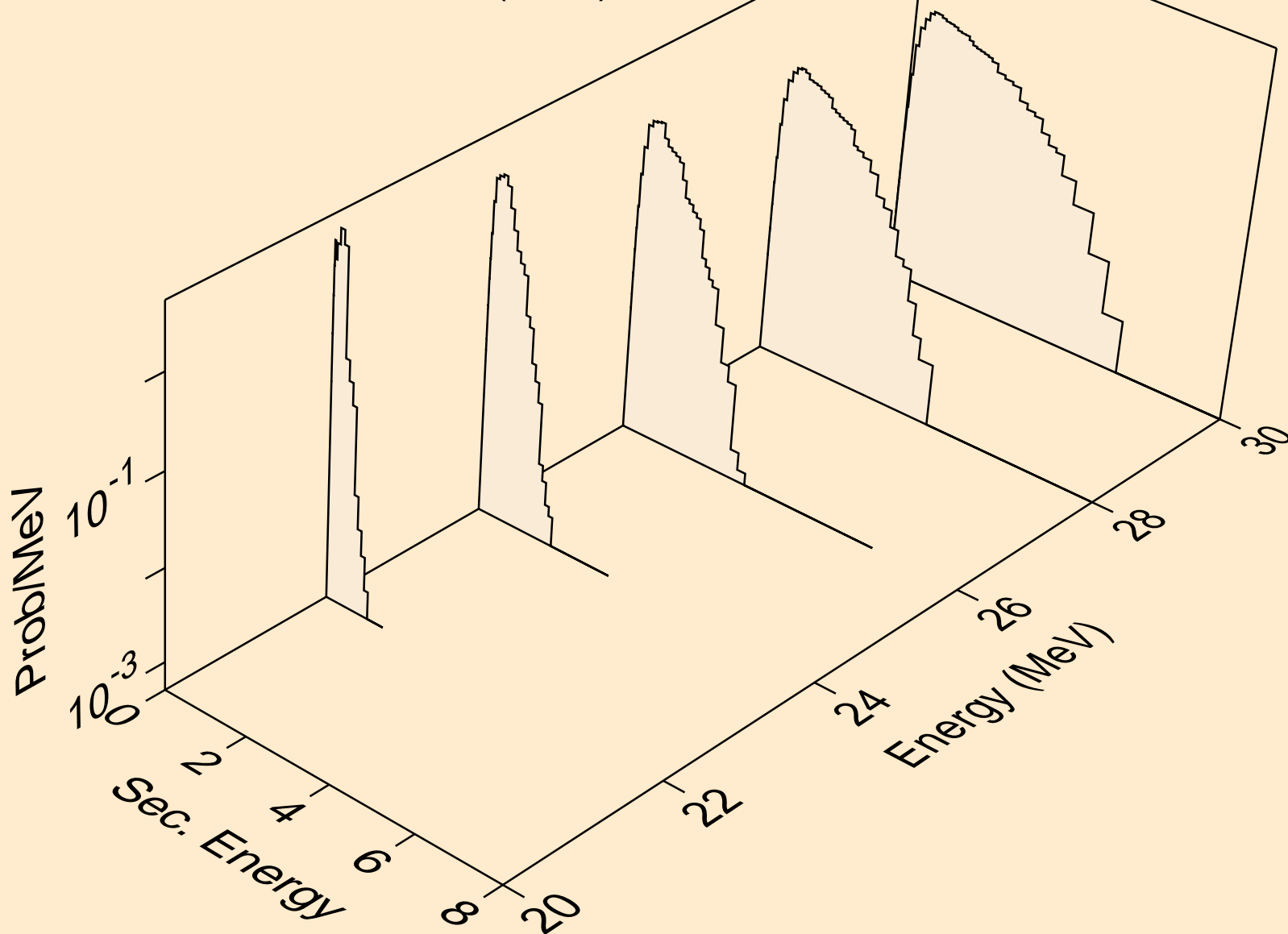
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

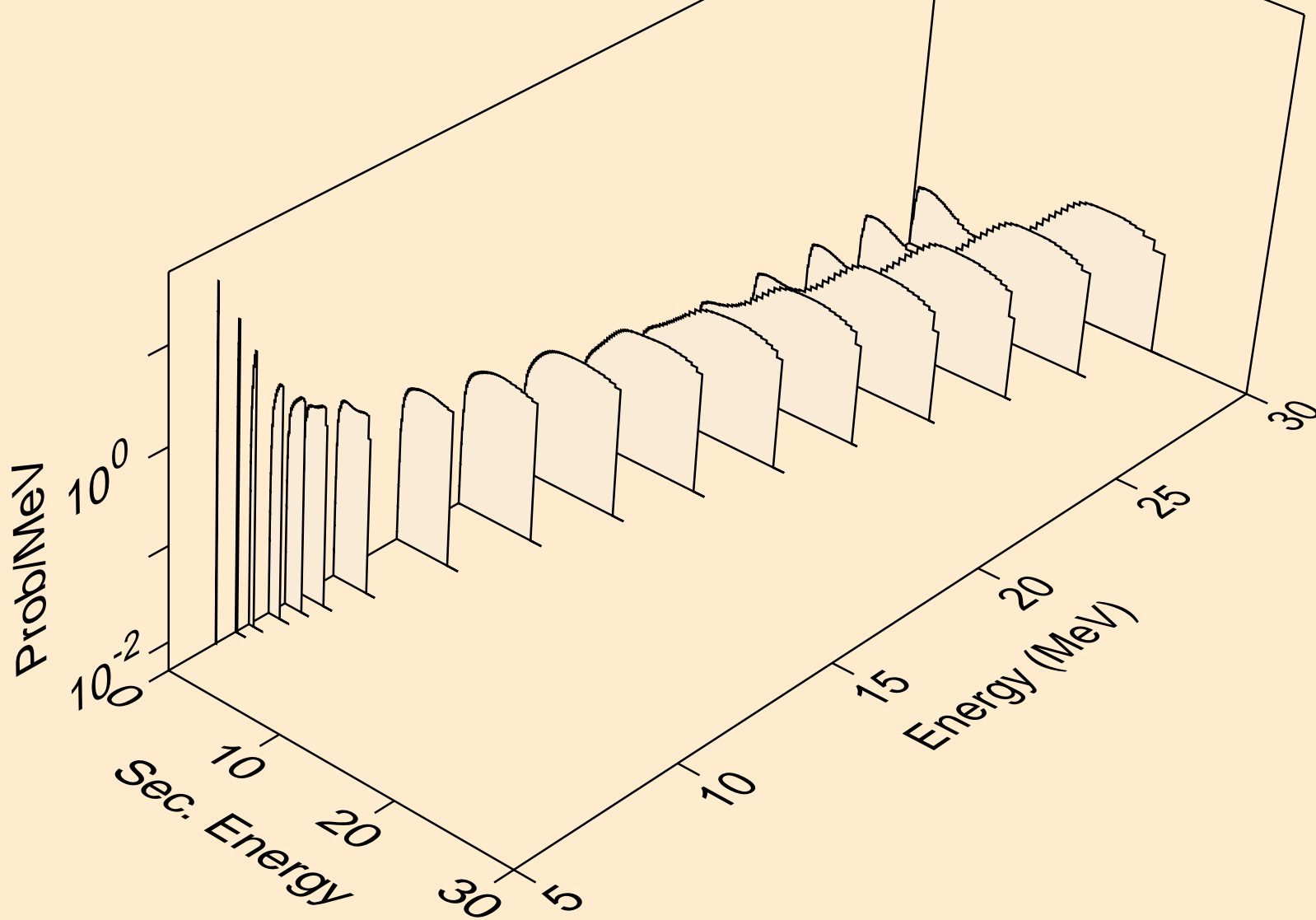


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

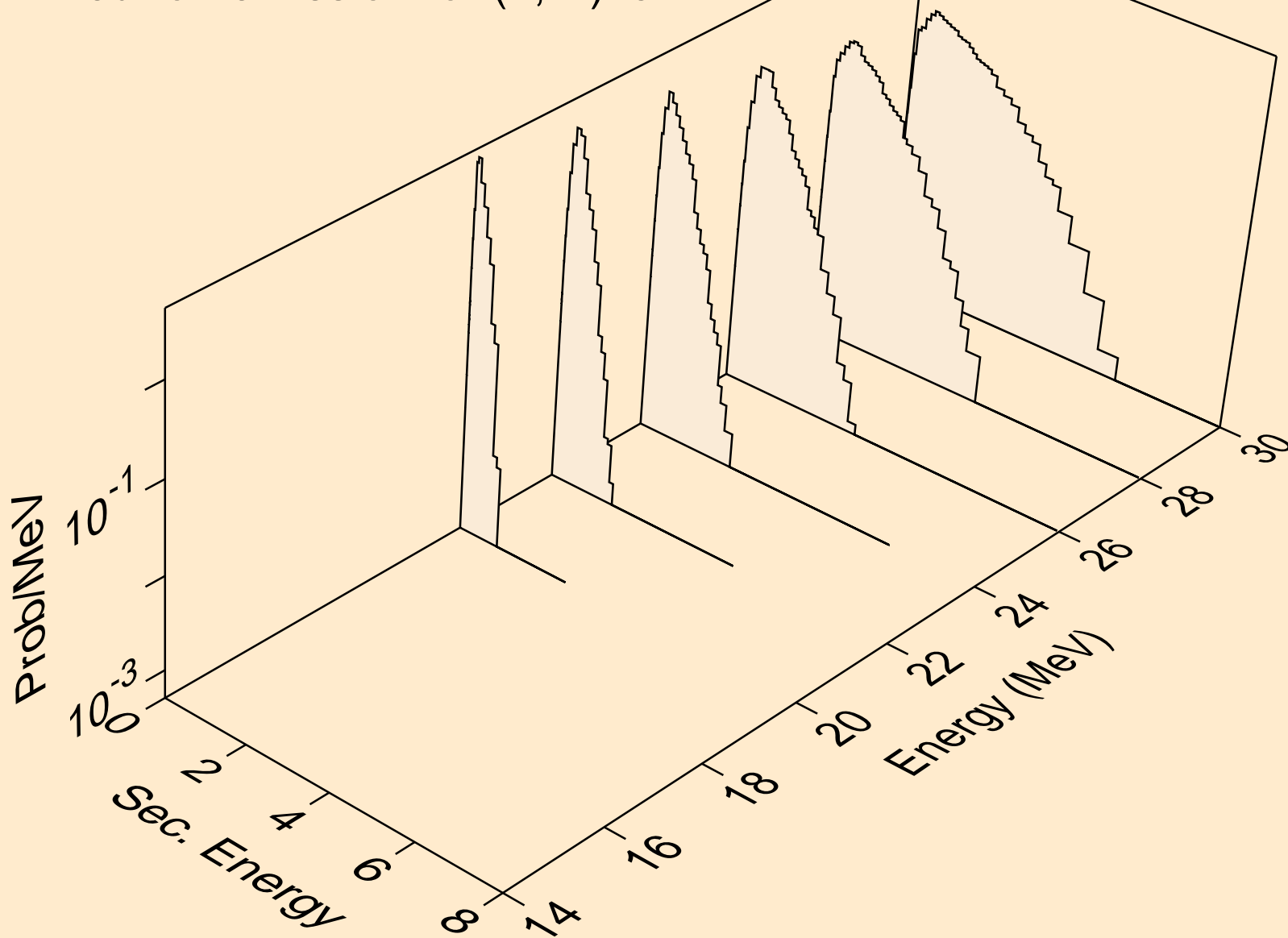




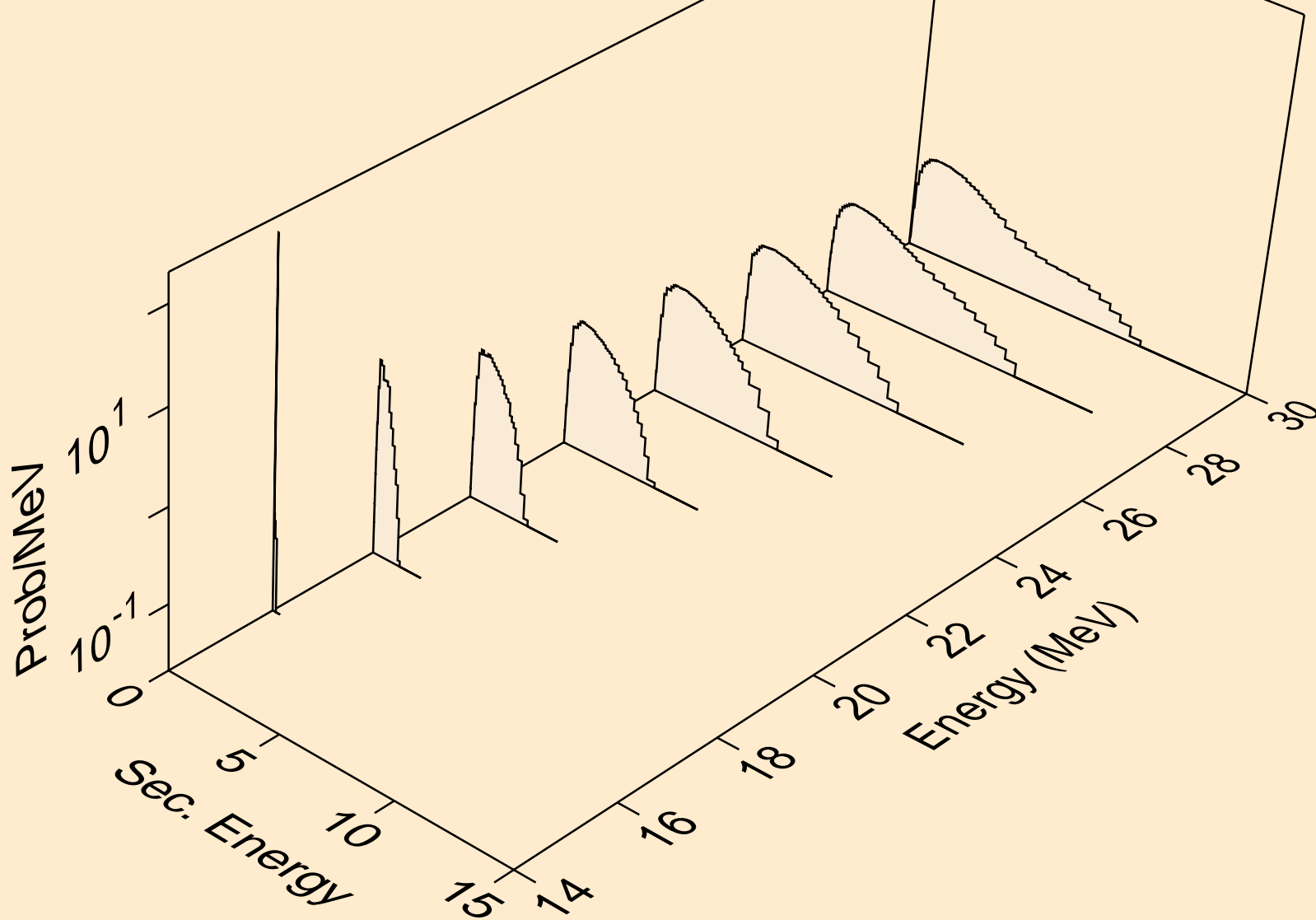
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Neutron emission for (n,n\*)p



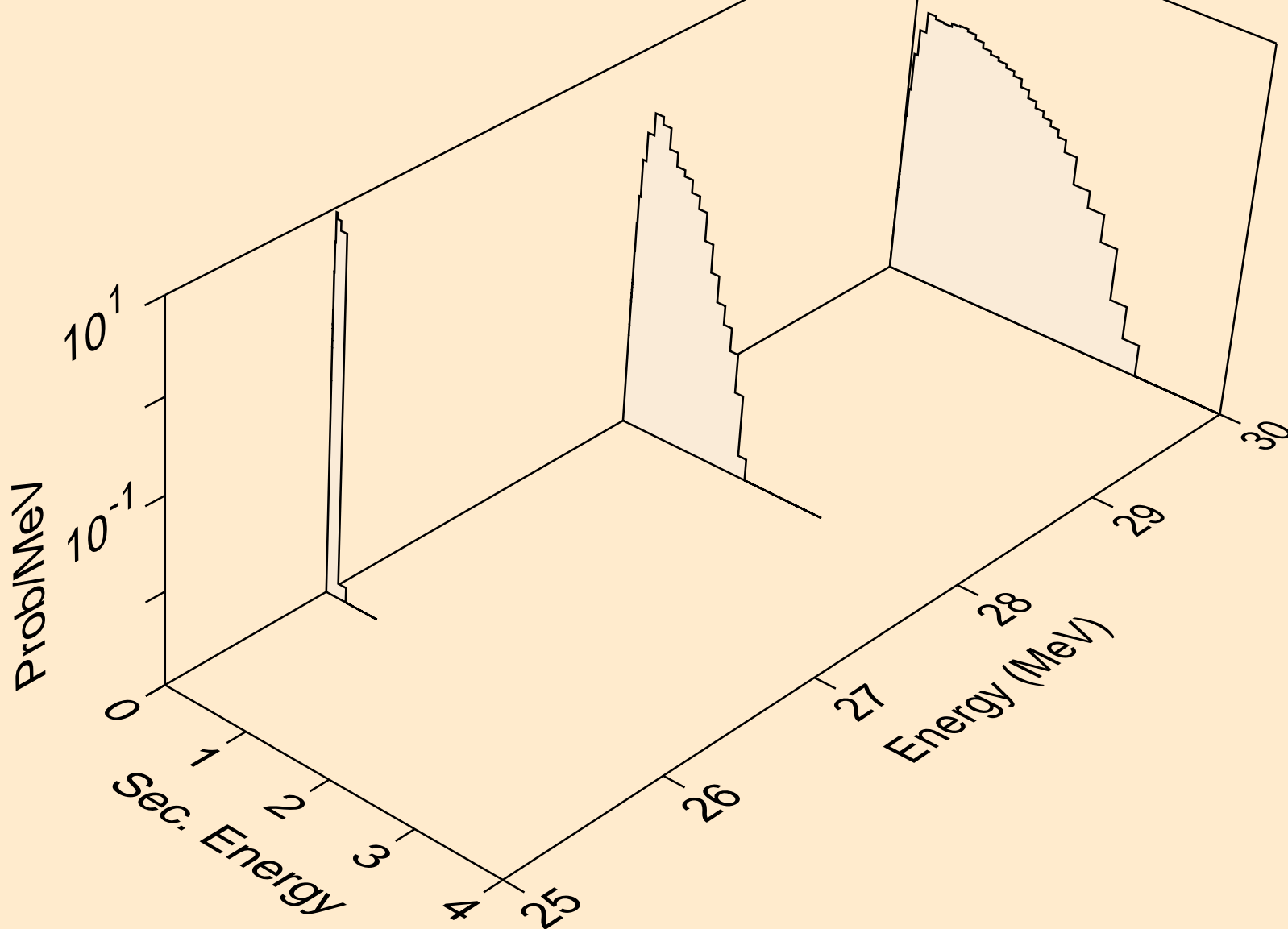
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Neutron emission for (n,n\*)2a



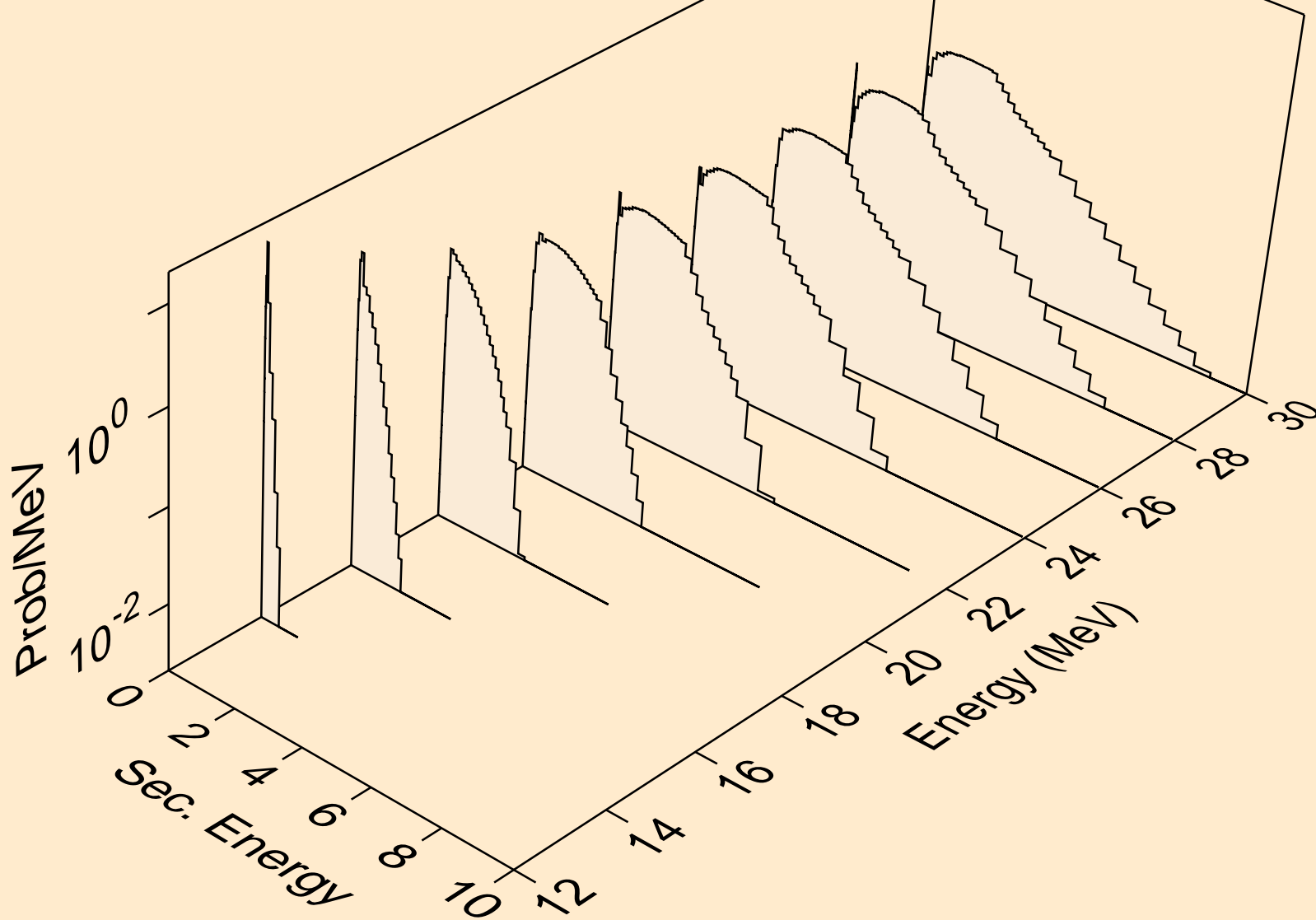
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Neutron emission for (n,n\*)d



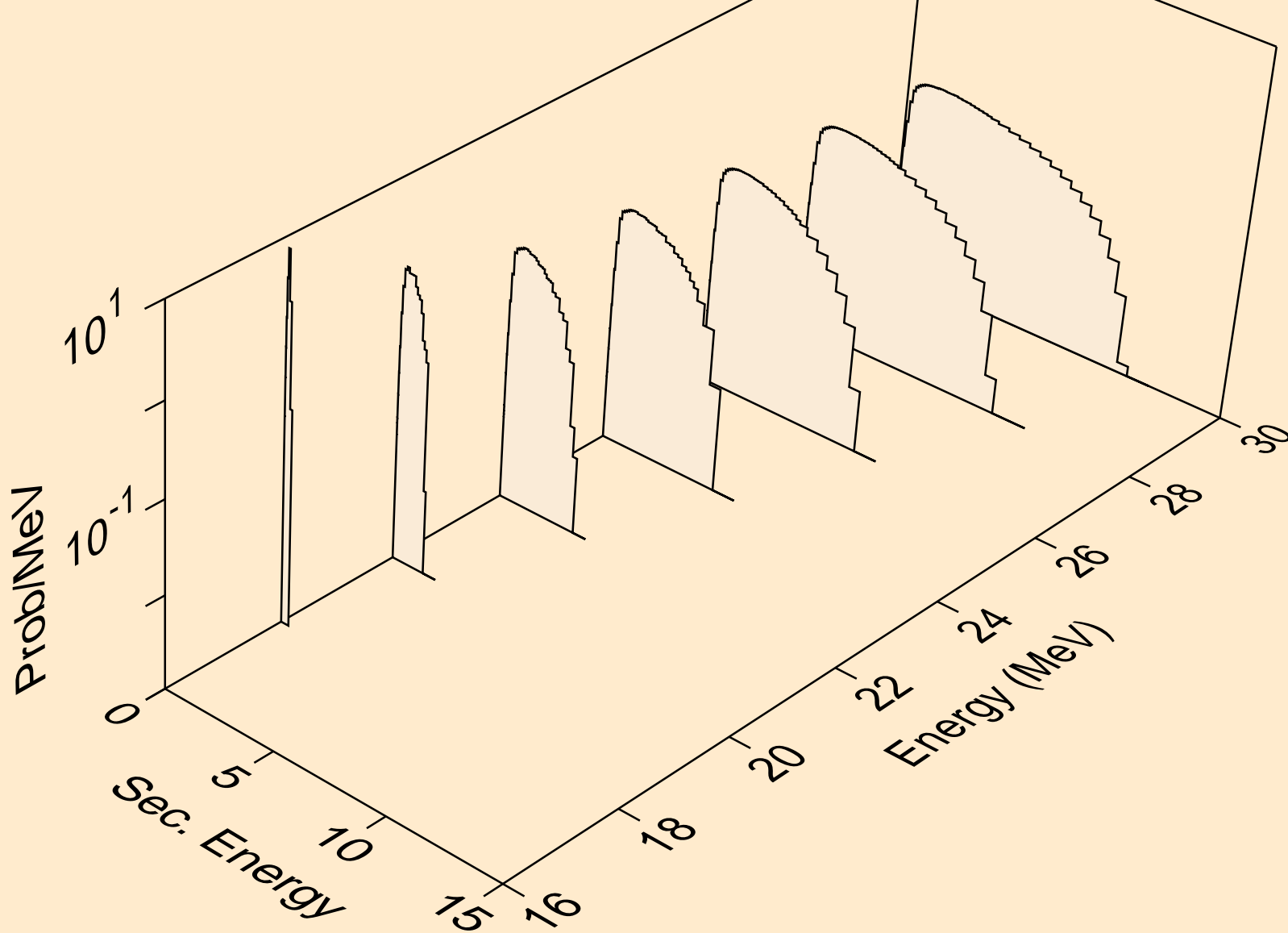
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



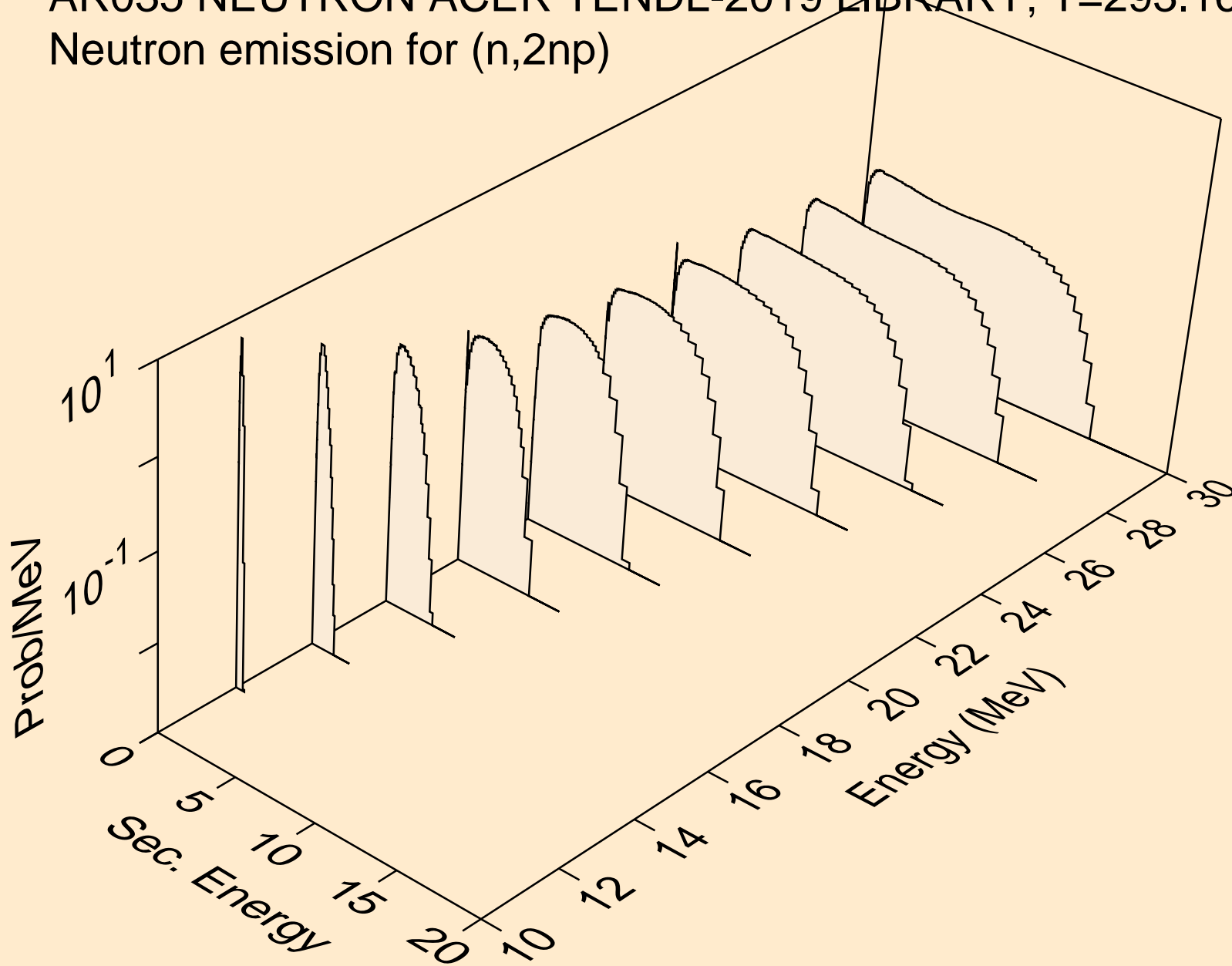
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Neutron emission for (n,n\*)he3



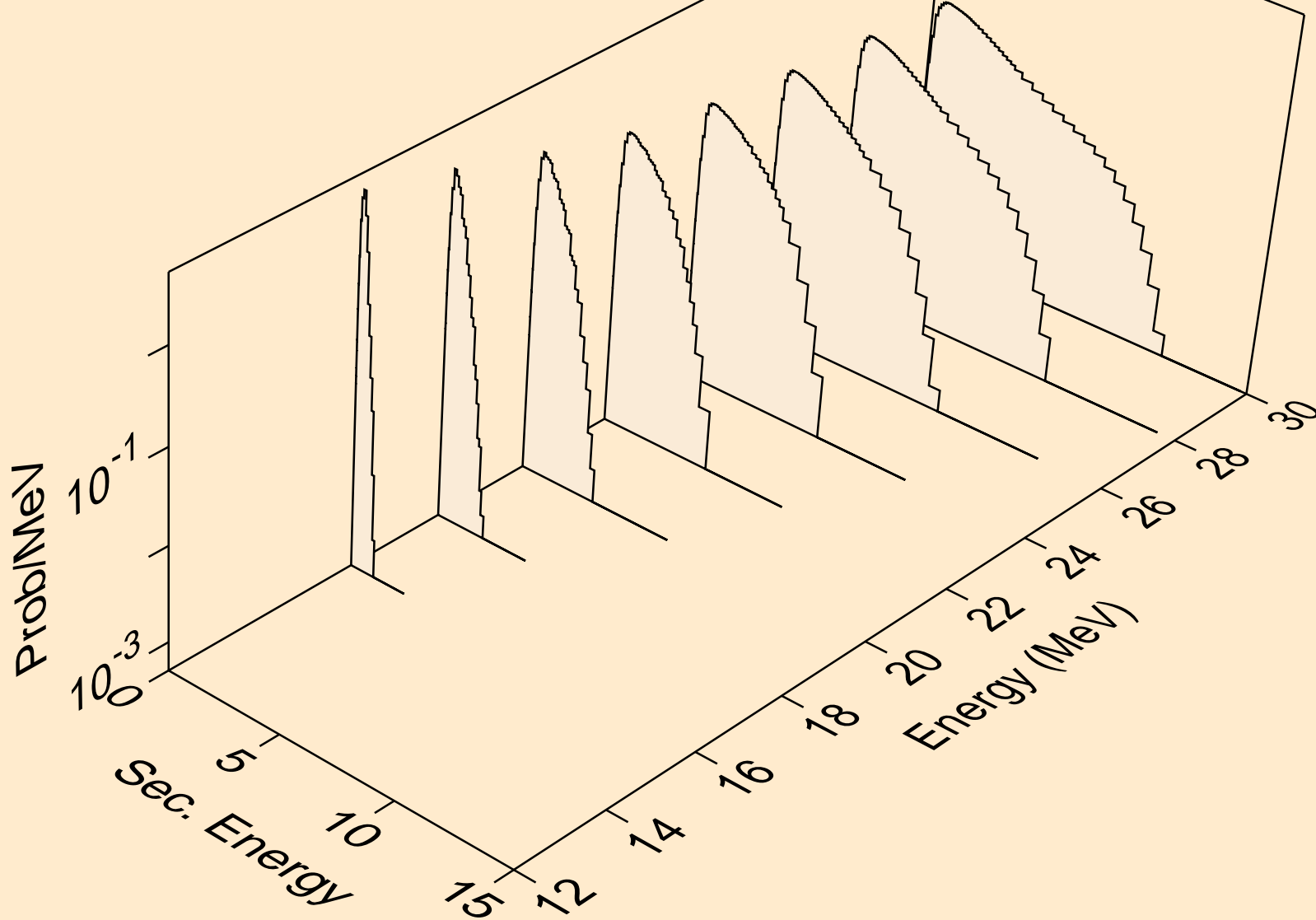
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

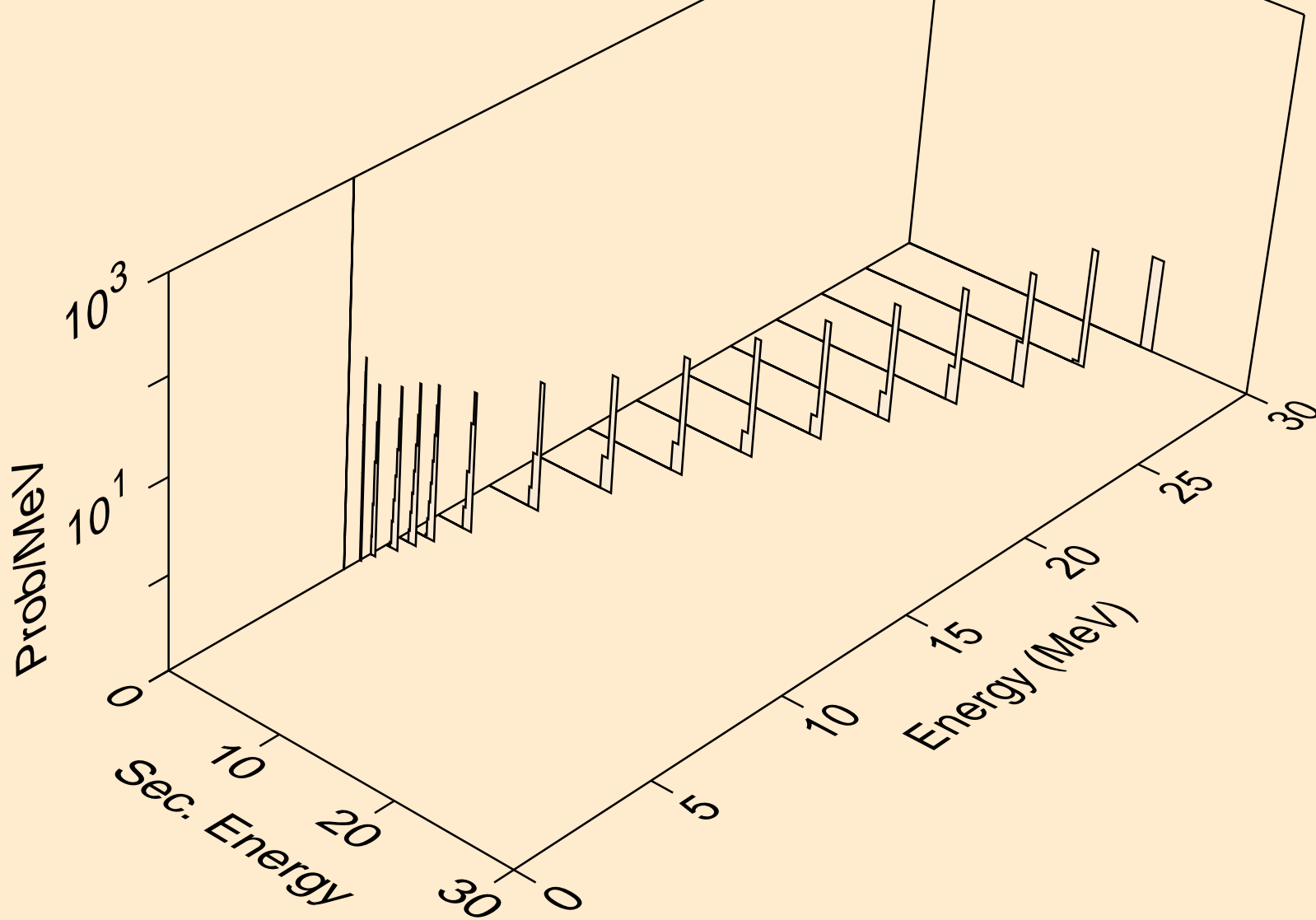


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Neutron emission for (n,npa)

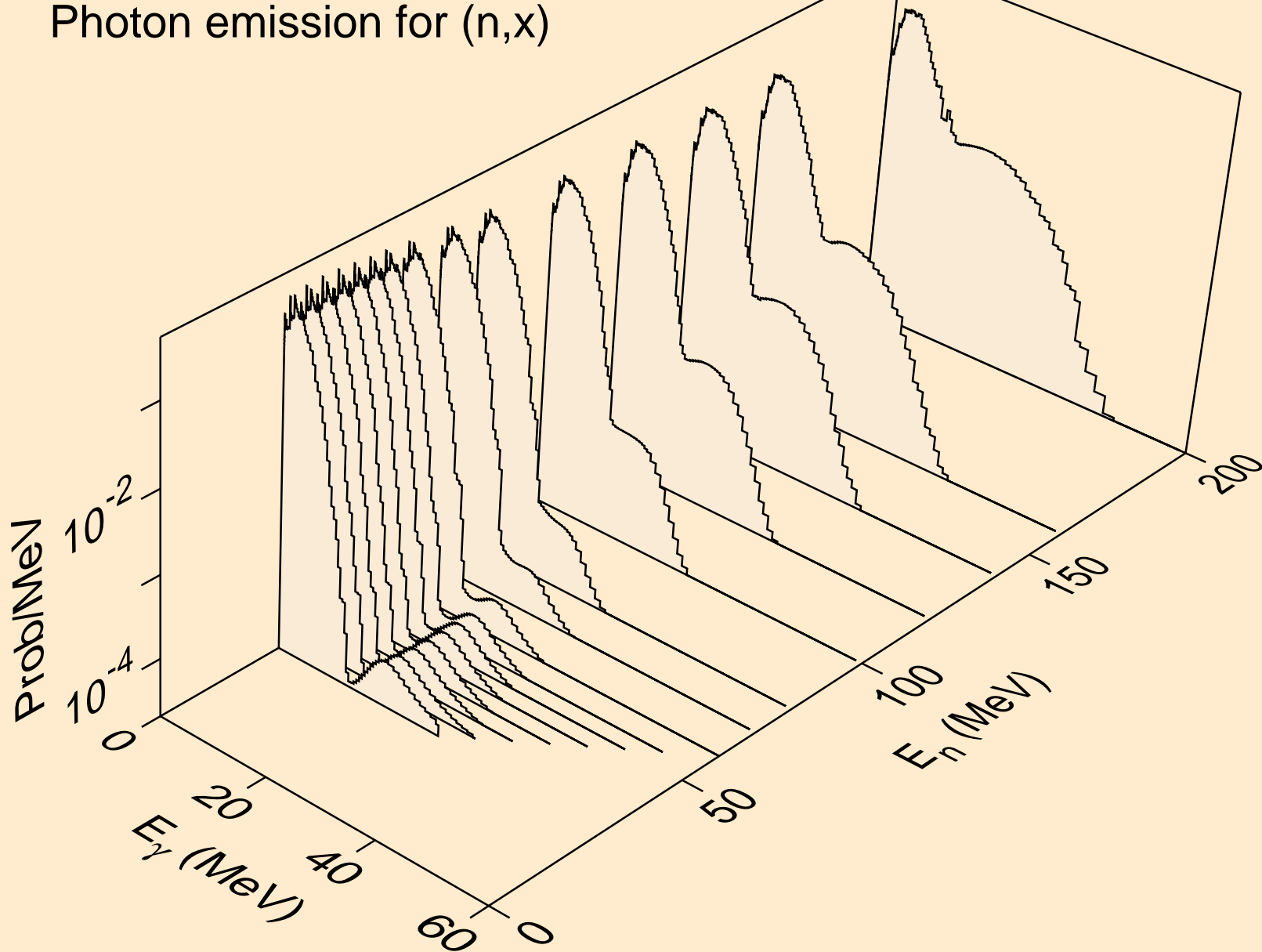




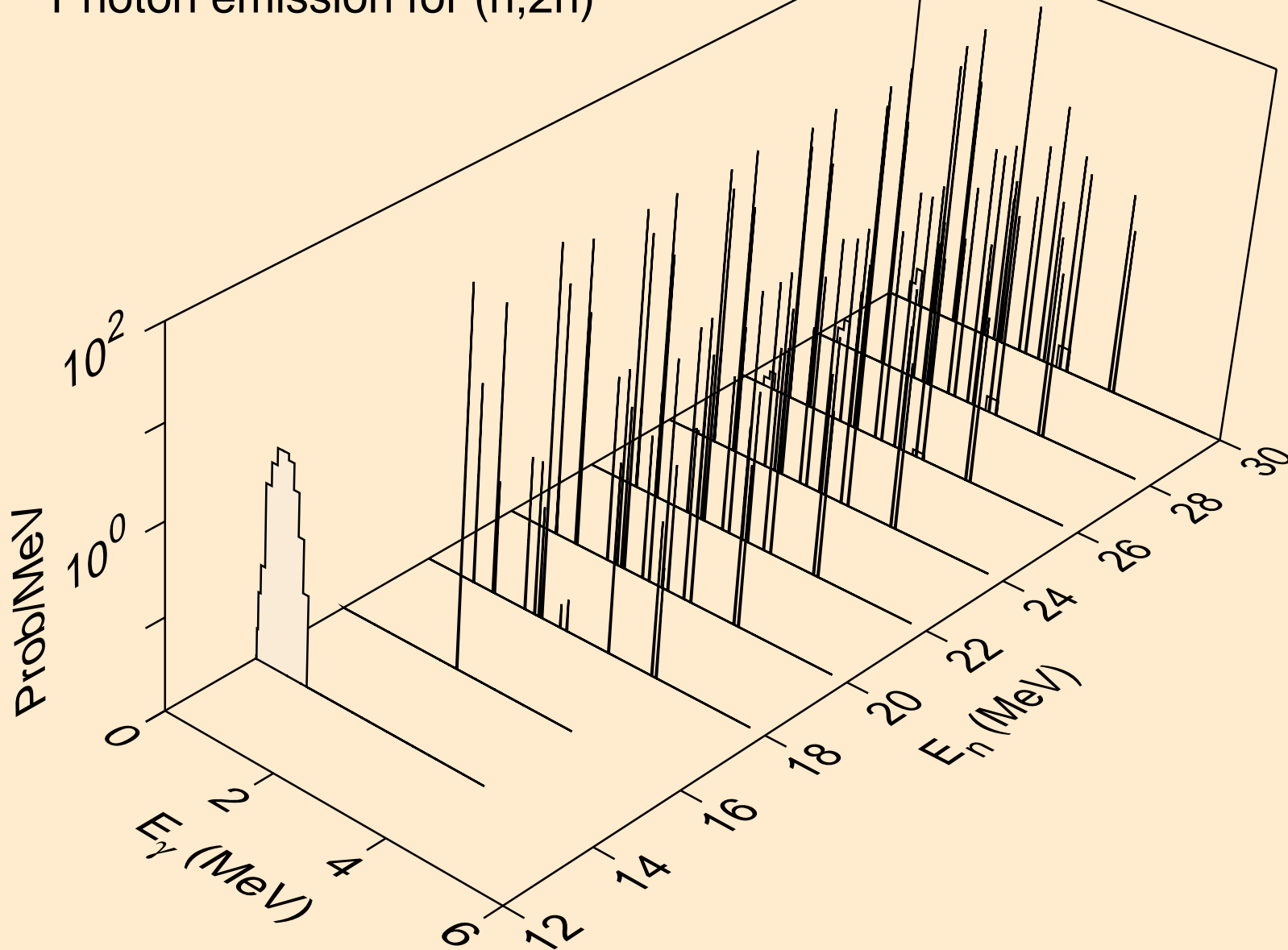
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Neutron emission for (n,n\*c)



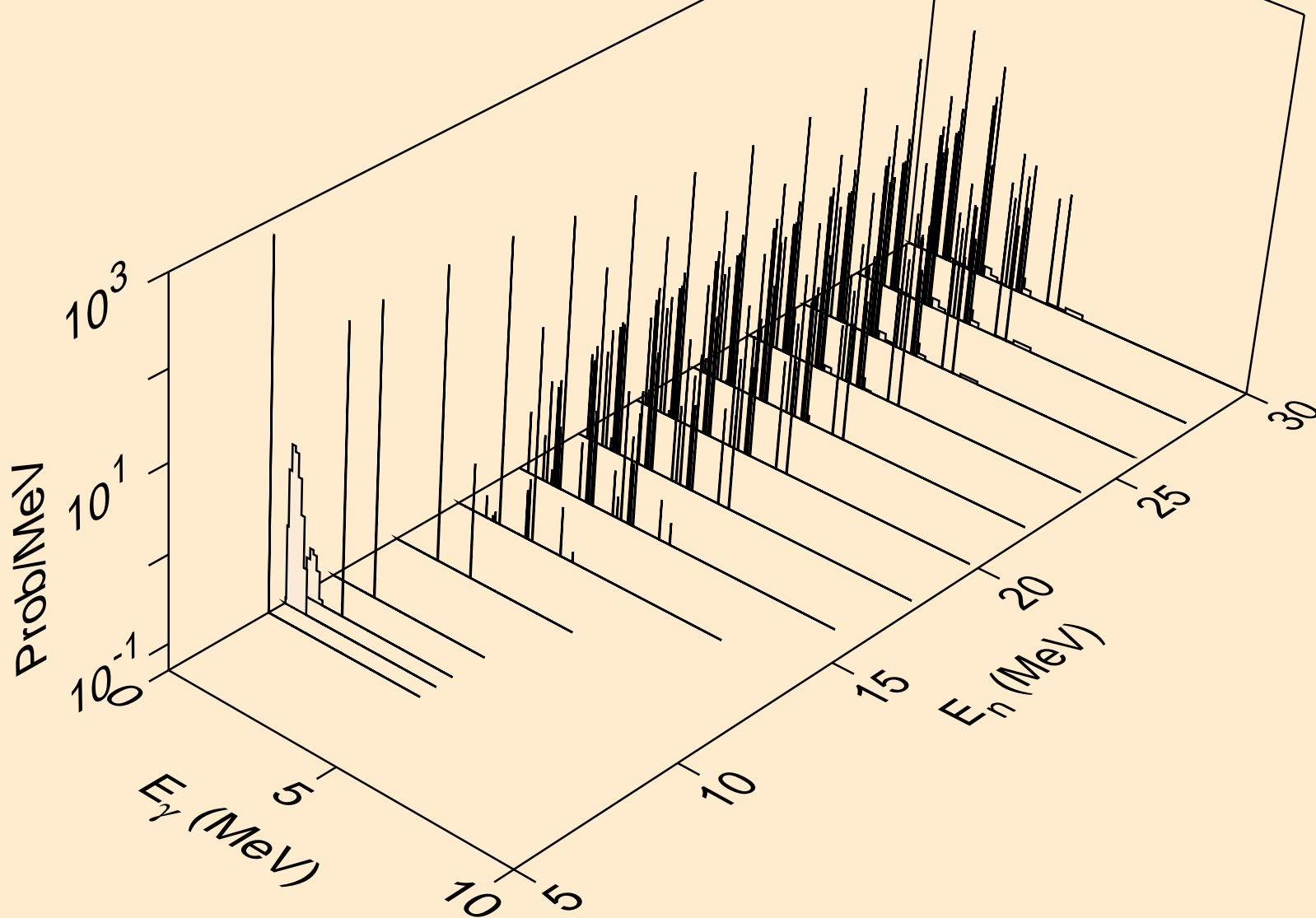
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Photon emission for (n,x)



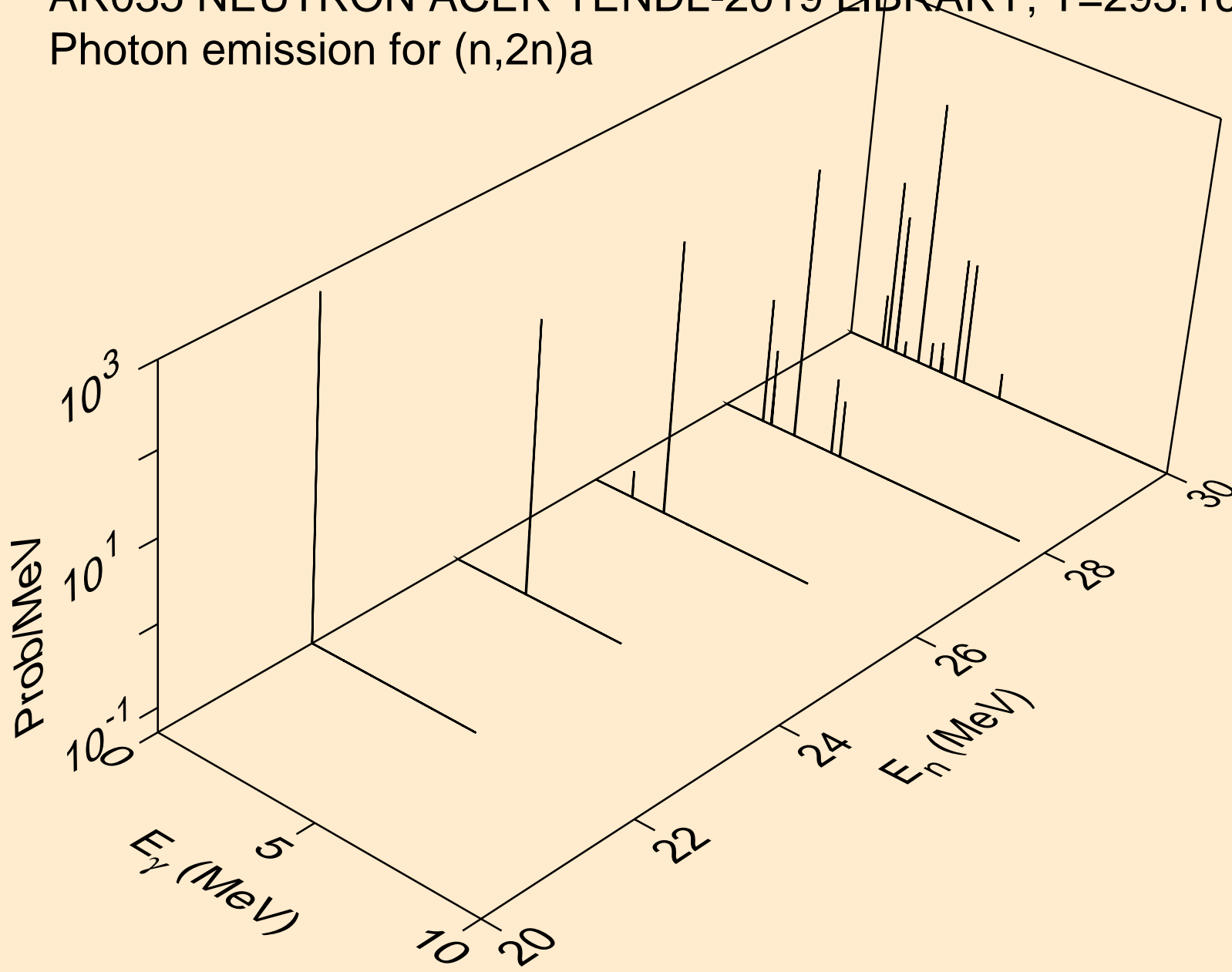
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Photon emission for (n,2n)



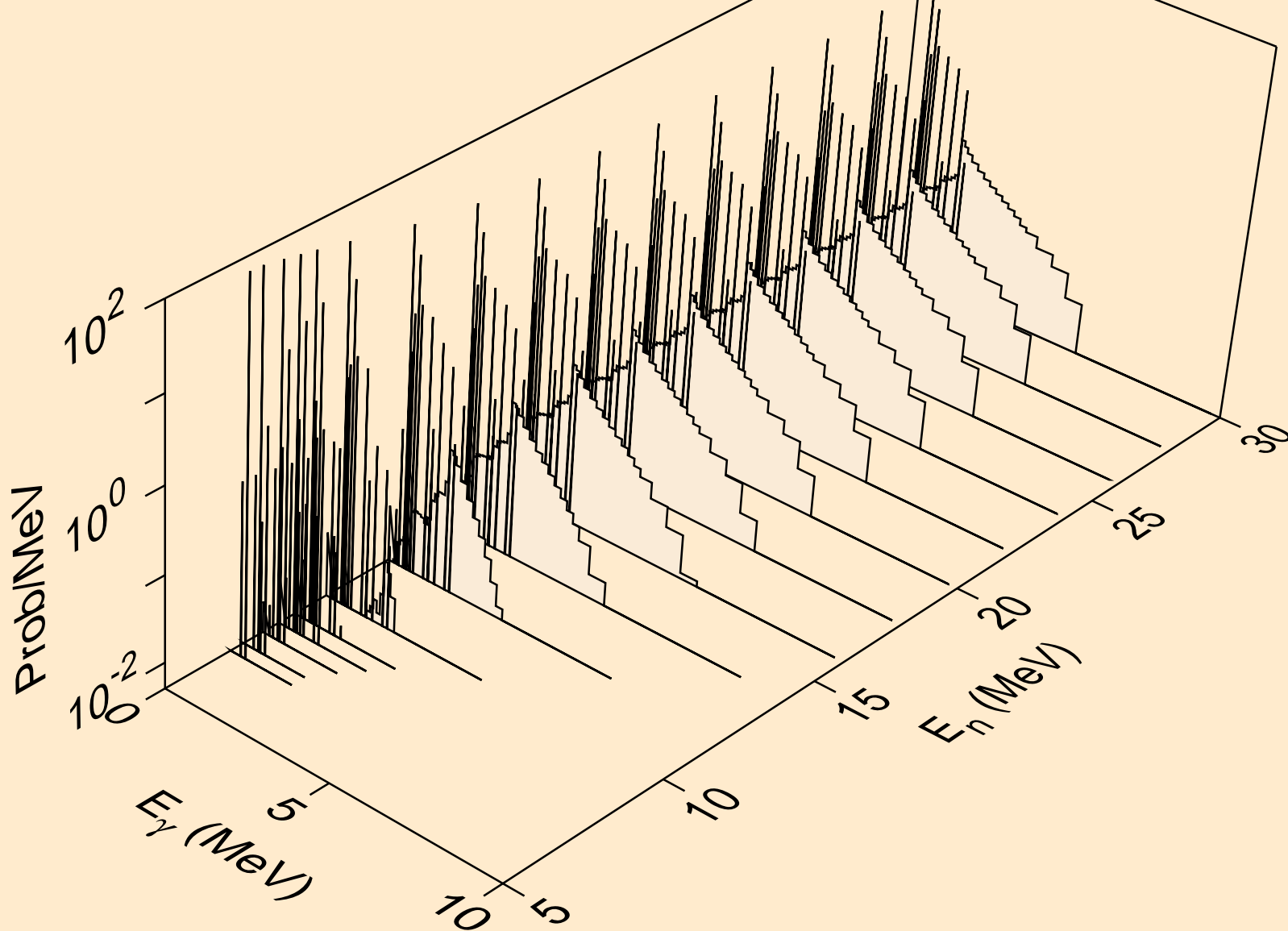
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Photon emission for (n,n\*)a



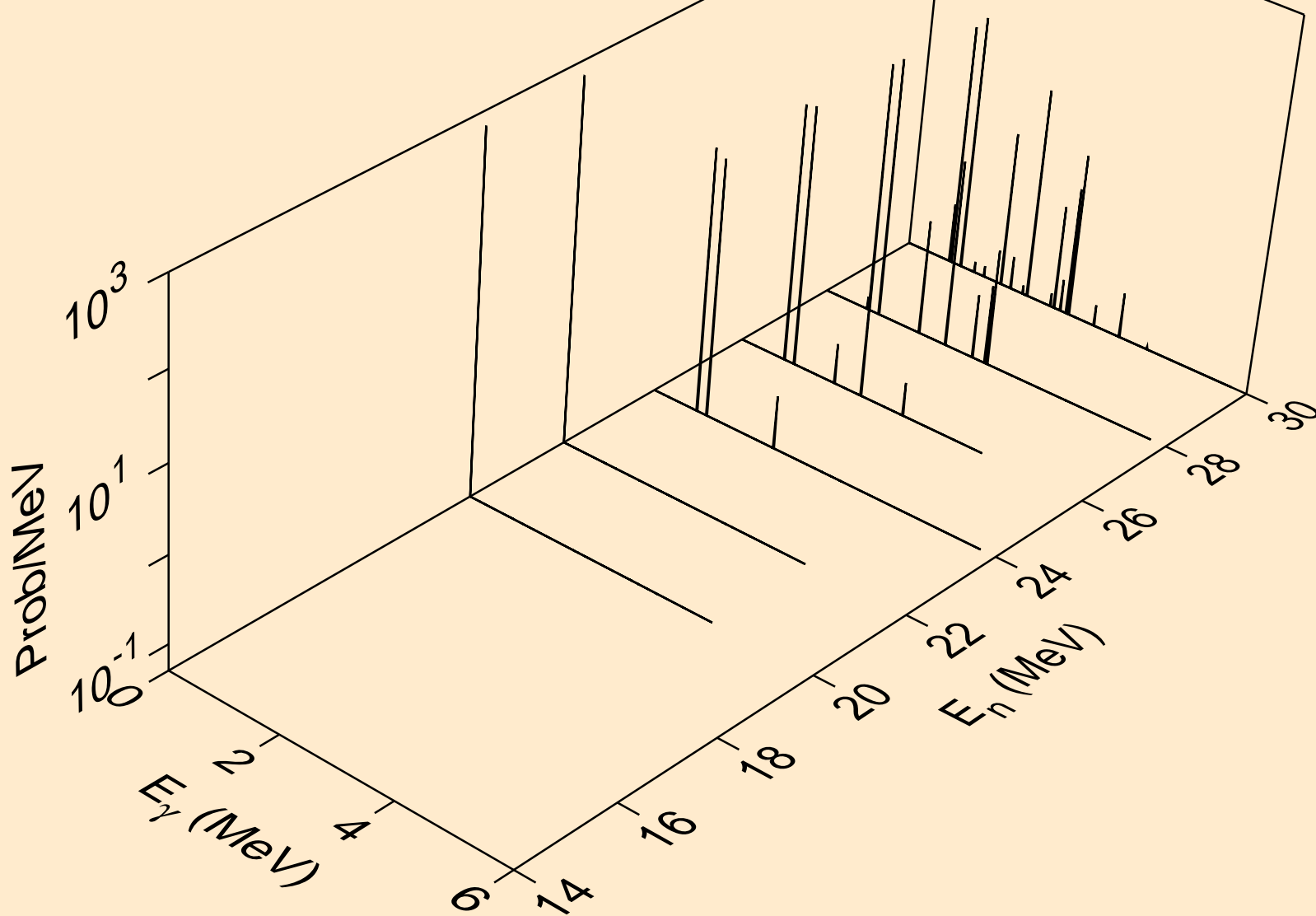
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Photon emission for (n,2n)a



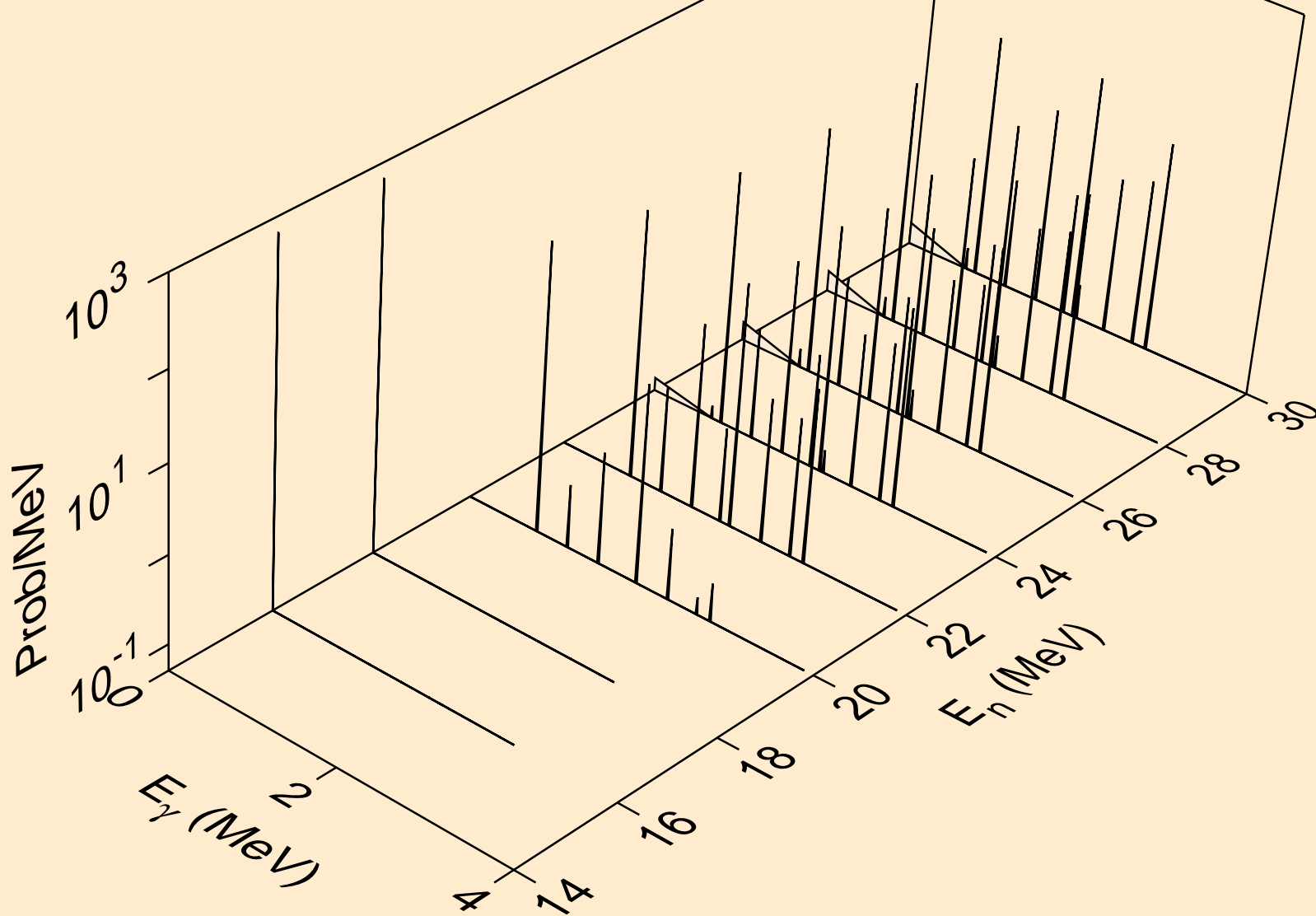
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

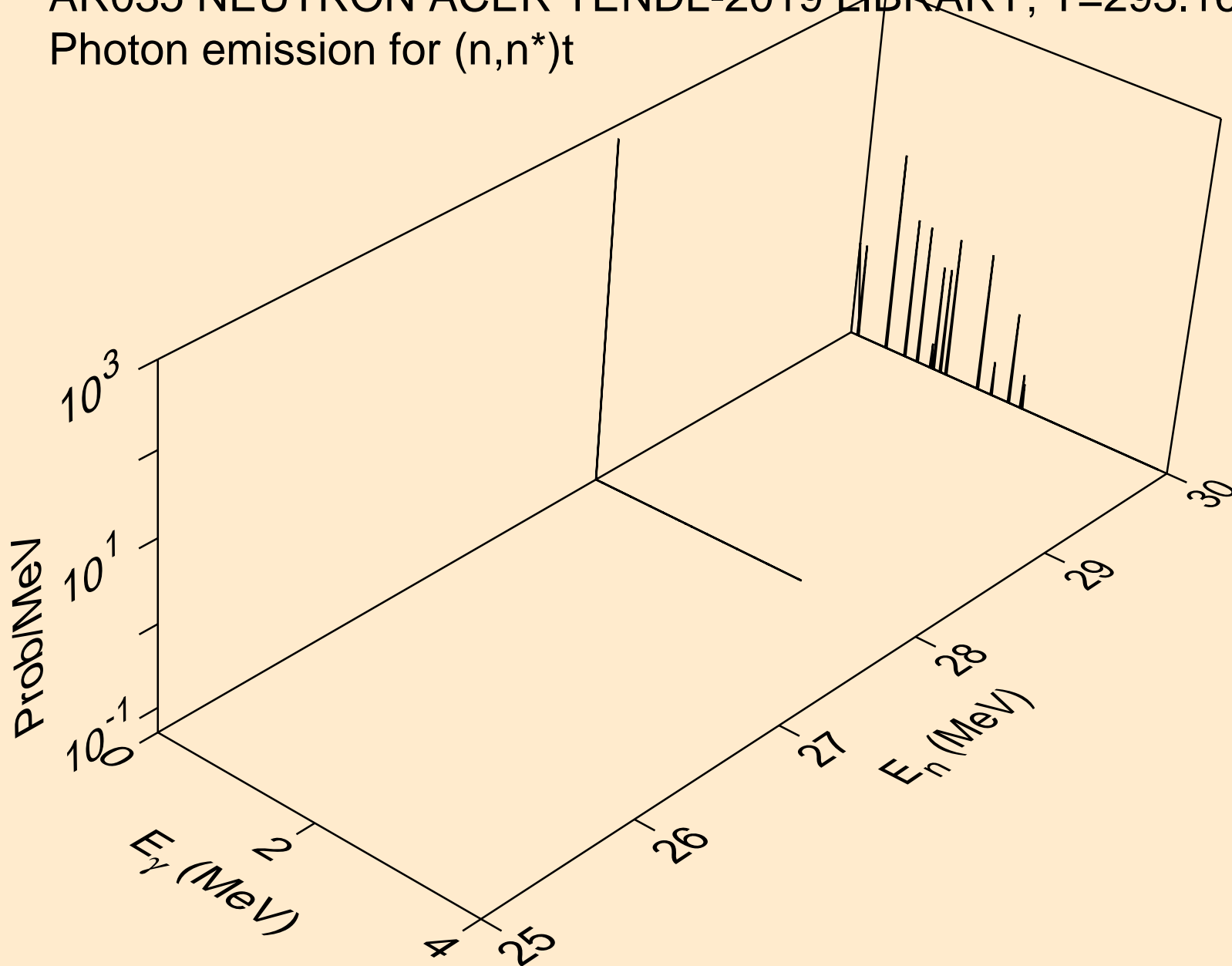


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Photon emission for (n,n\*)d

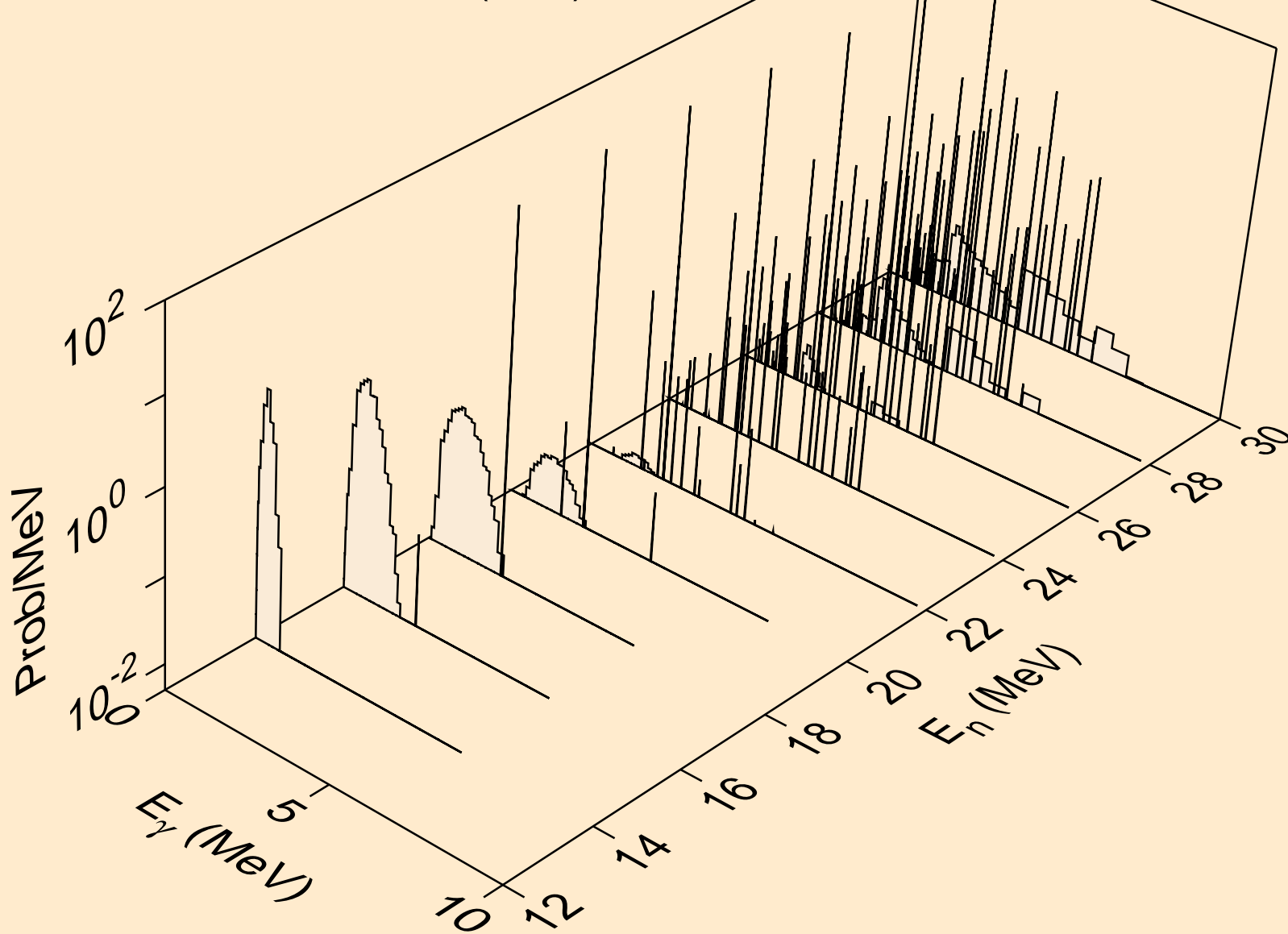




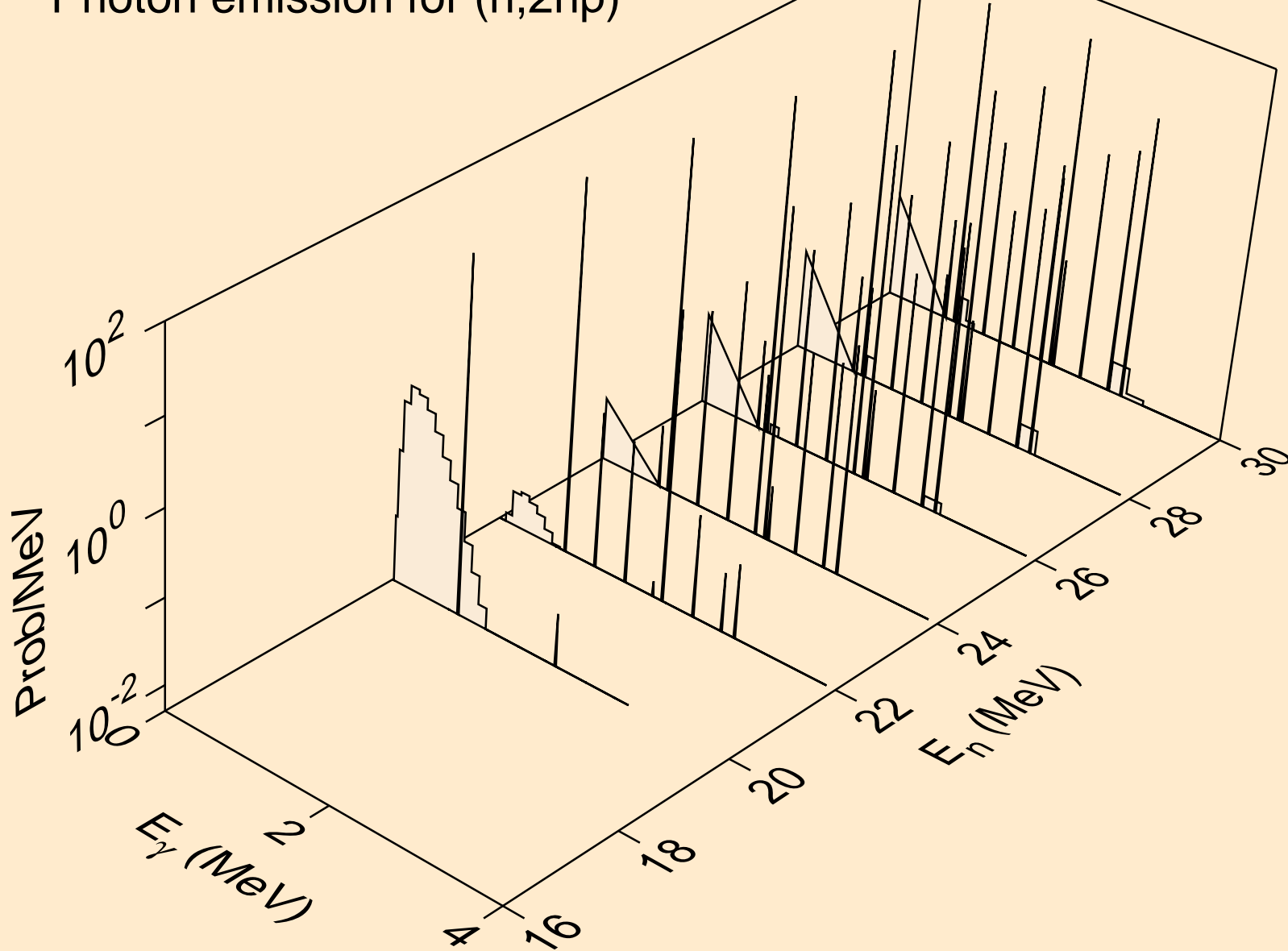
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Photon emission for (n,n\*)t



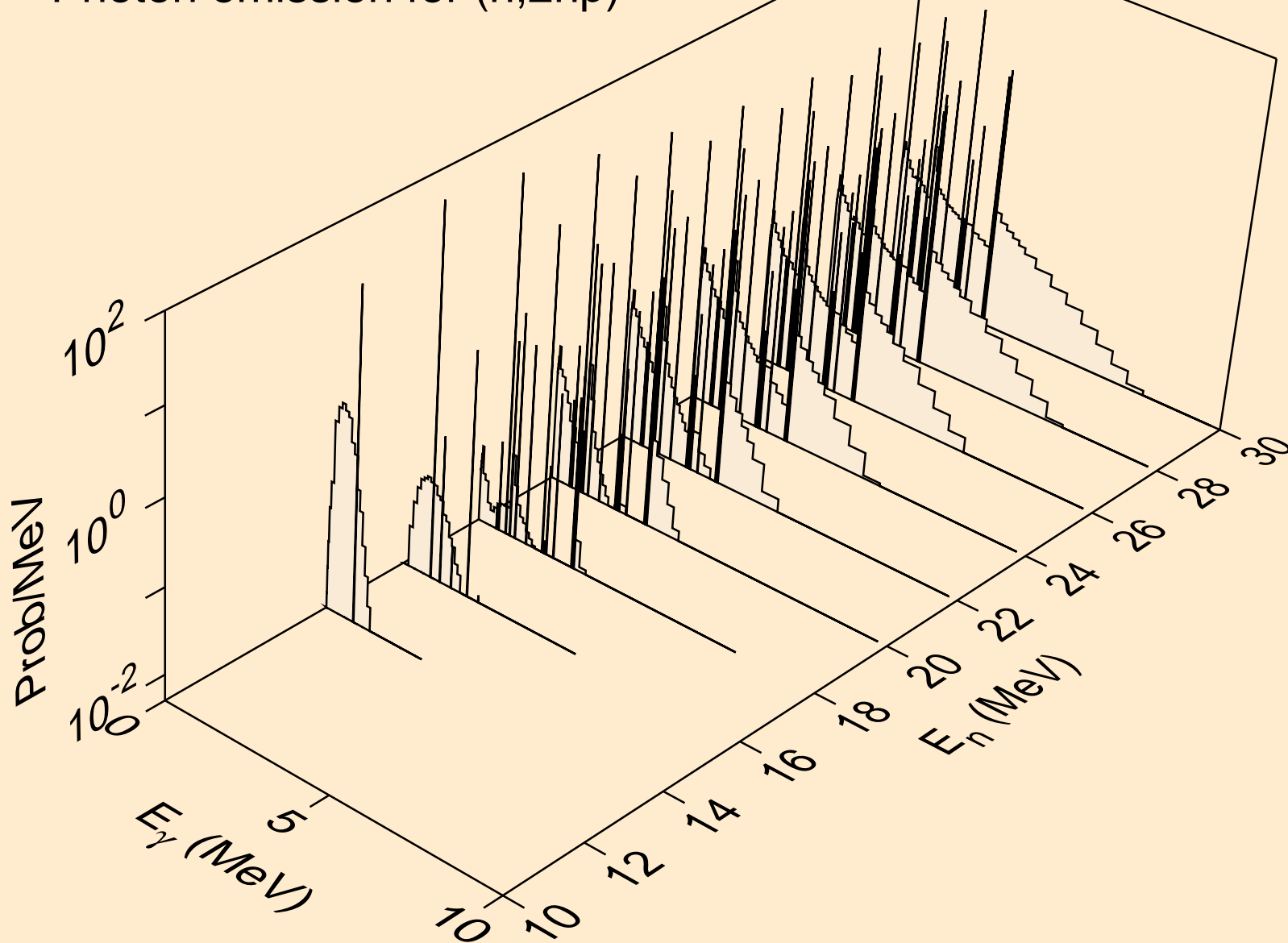
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Photon emission for (n,n\*)he3



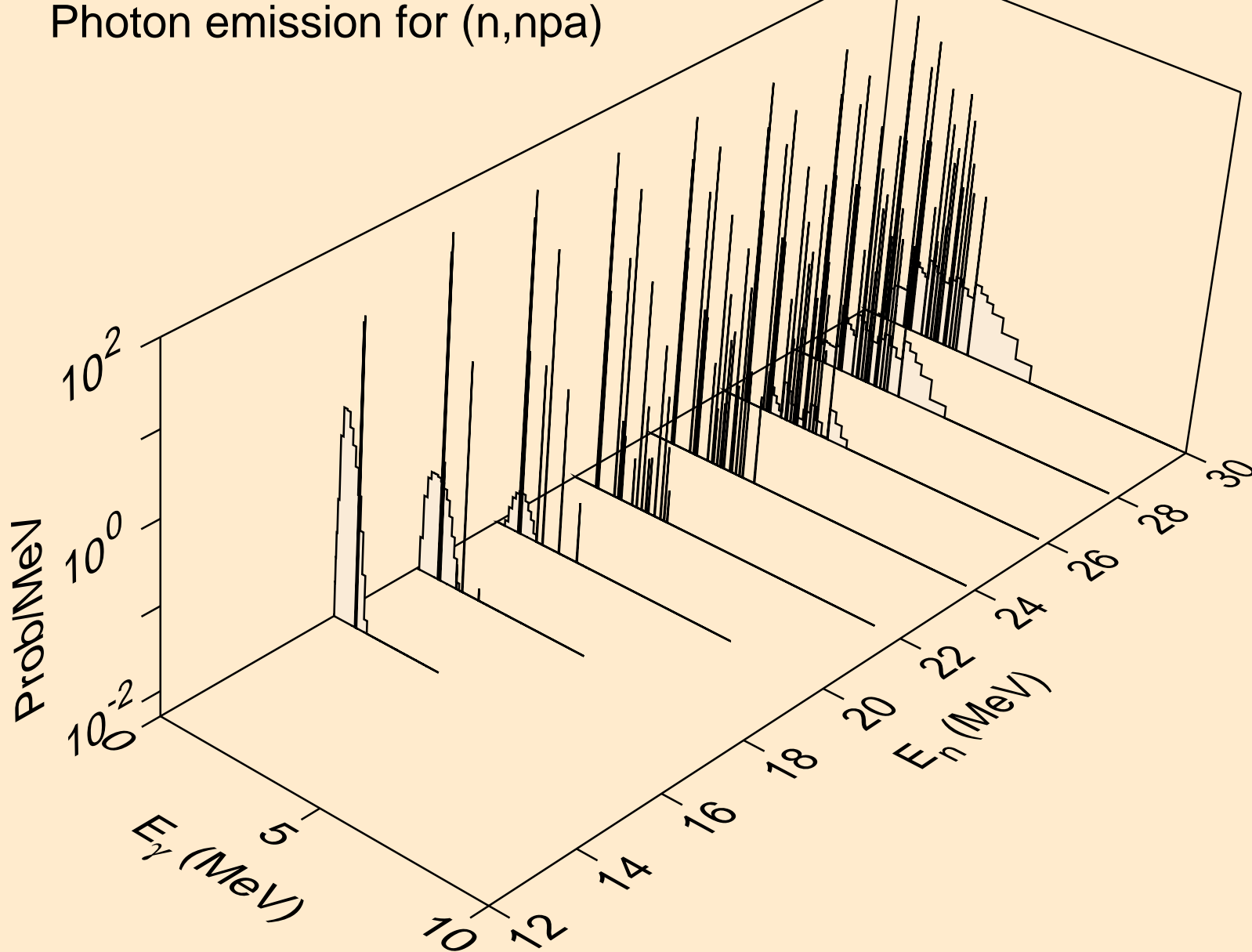
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Photon emission for (n,2np)



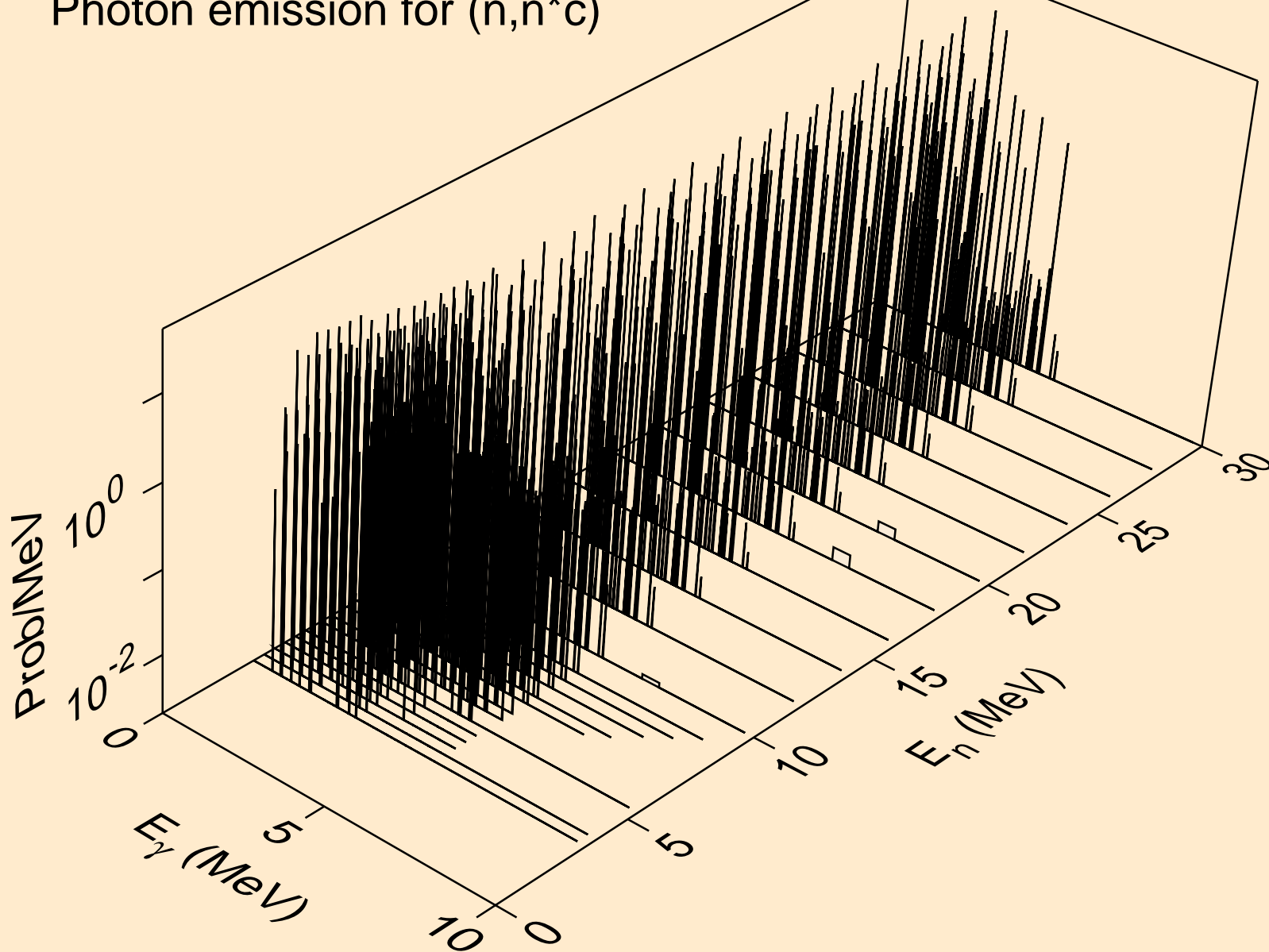
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Photon emission for (n,2np)



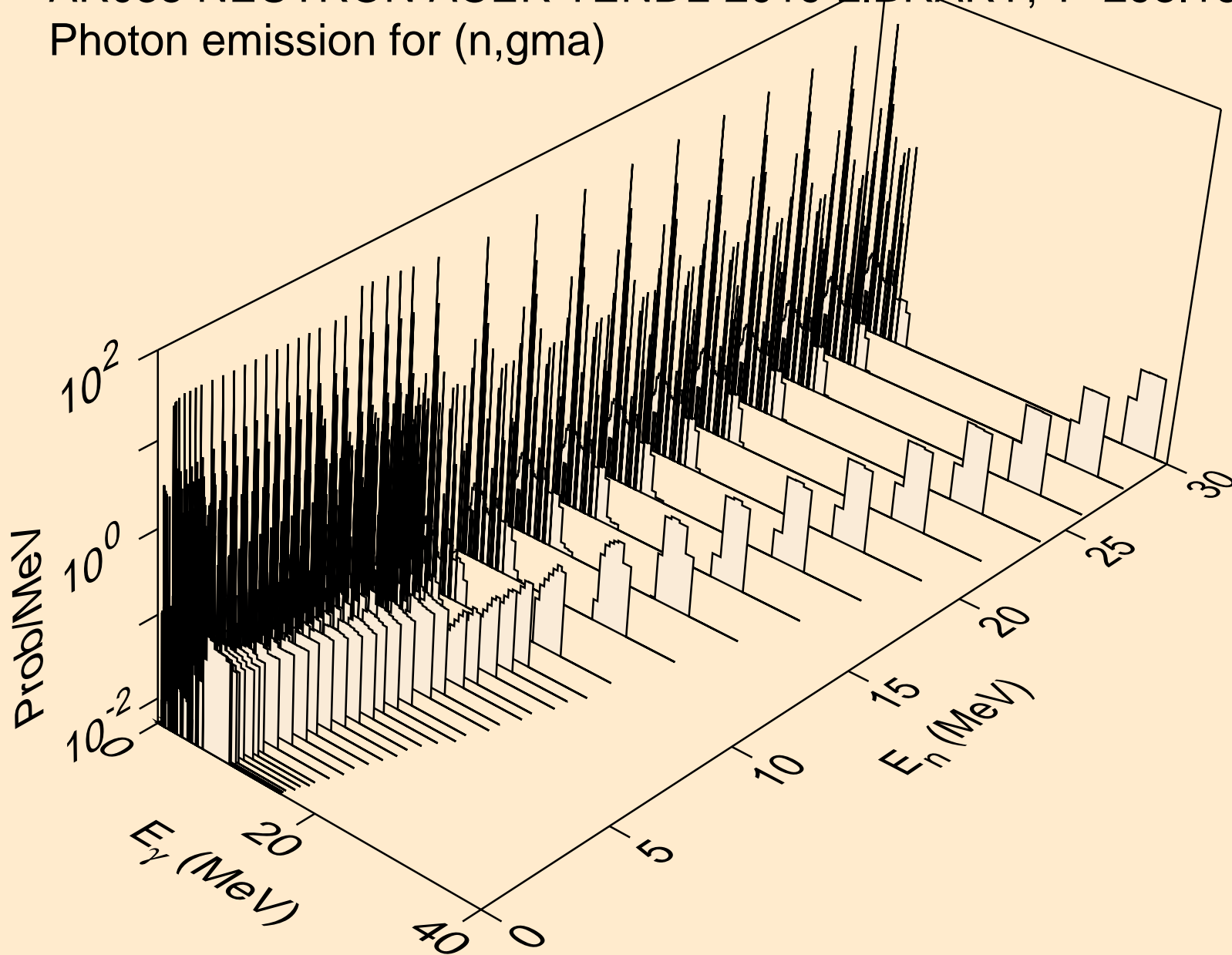
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Photon emission for (n,npa)



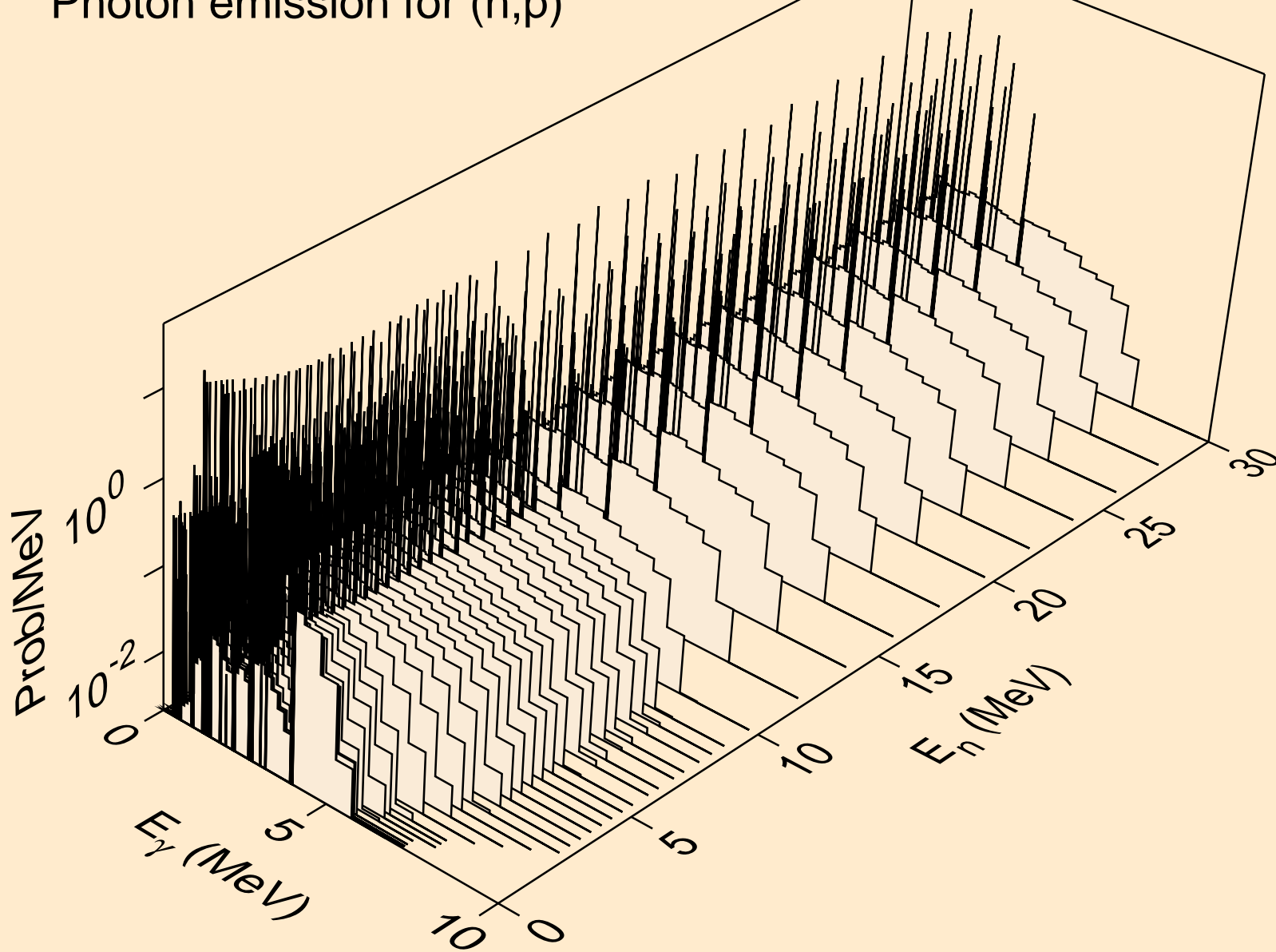
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Photon emission for (n,n\*c)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

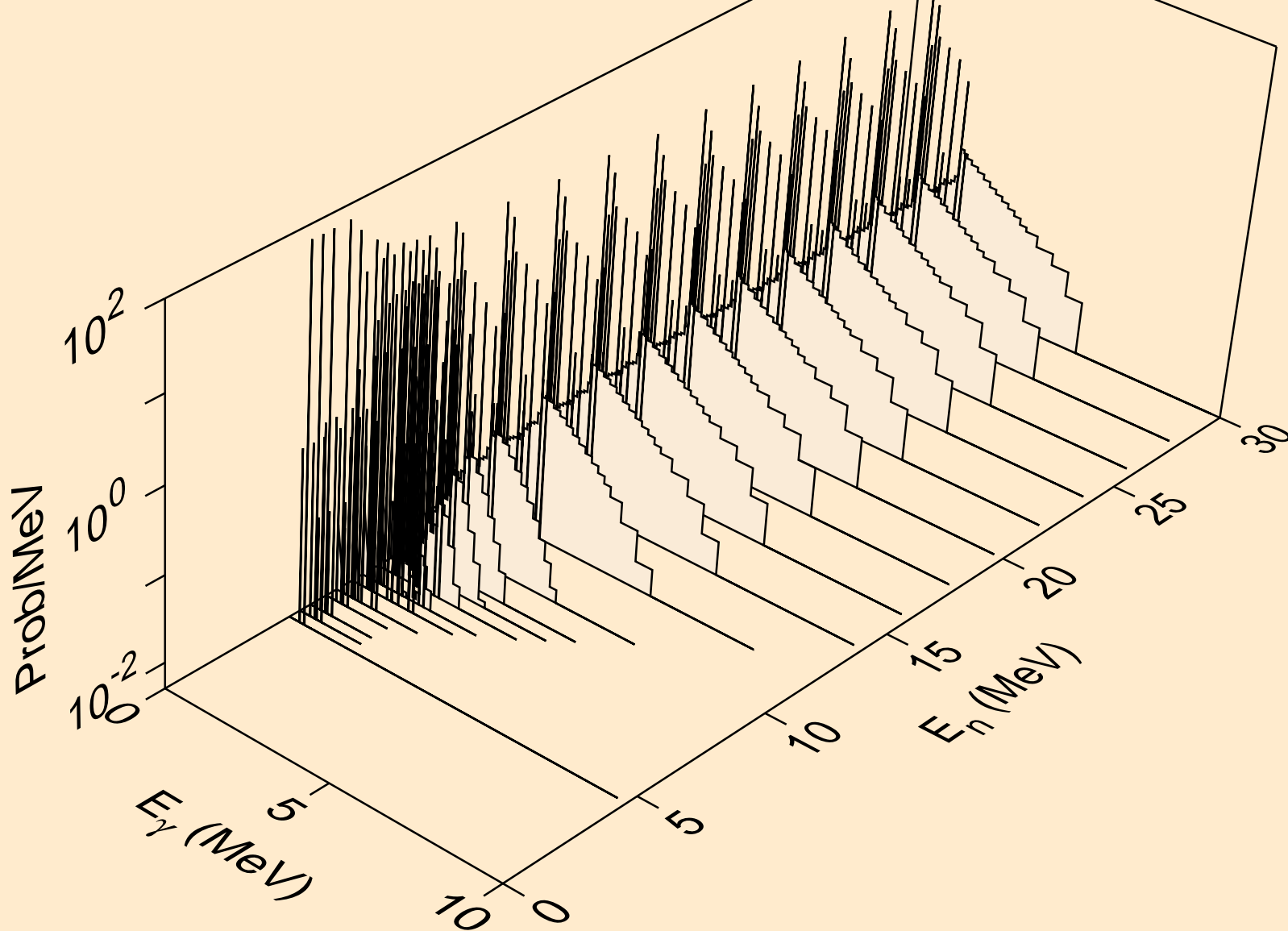


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Photon emission for (n,p)

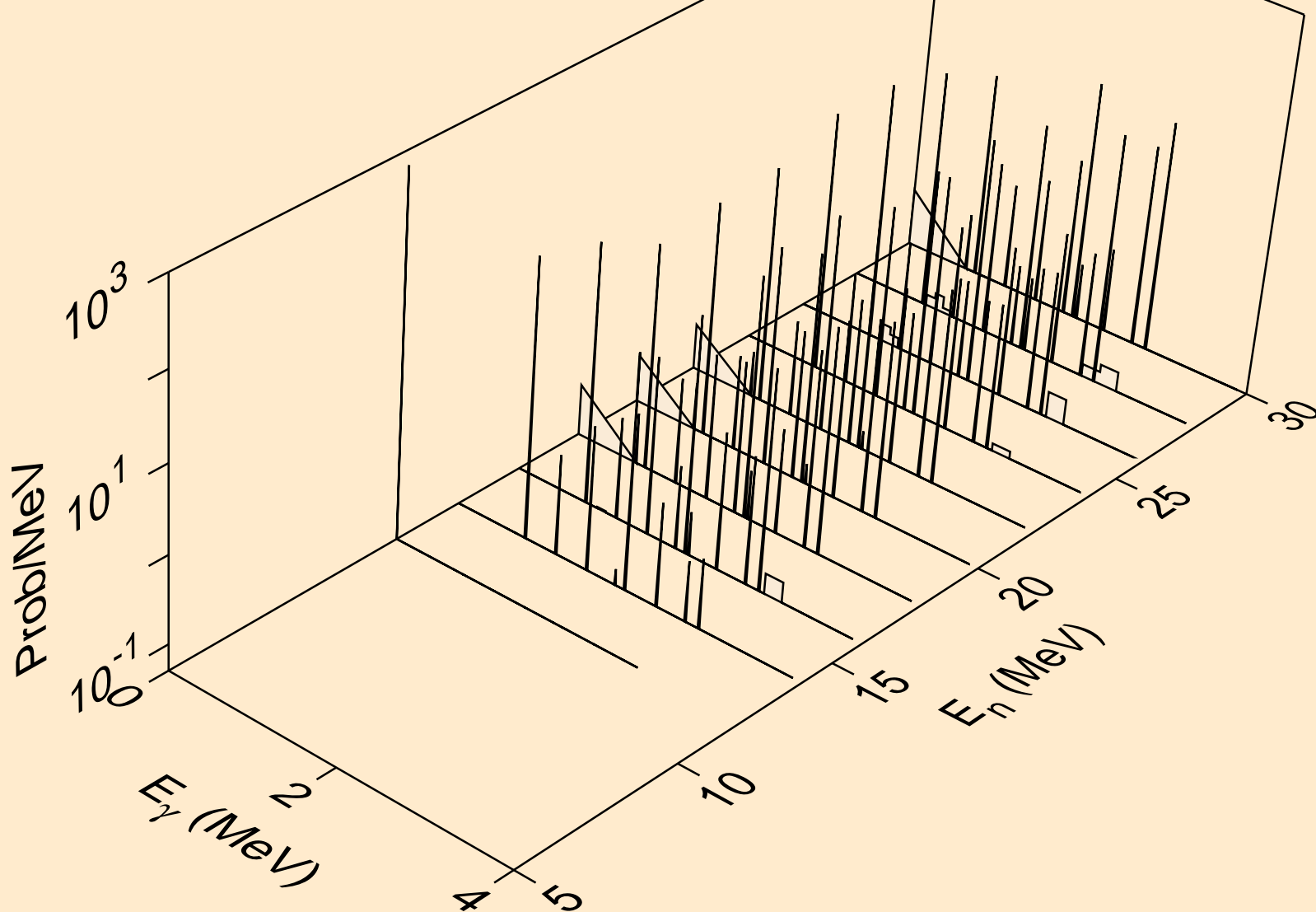




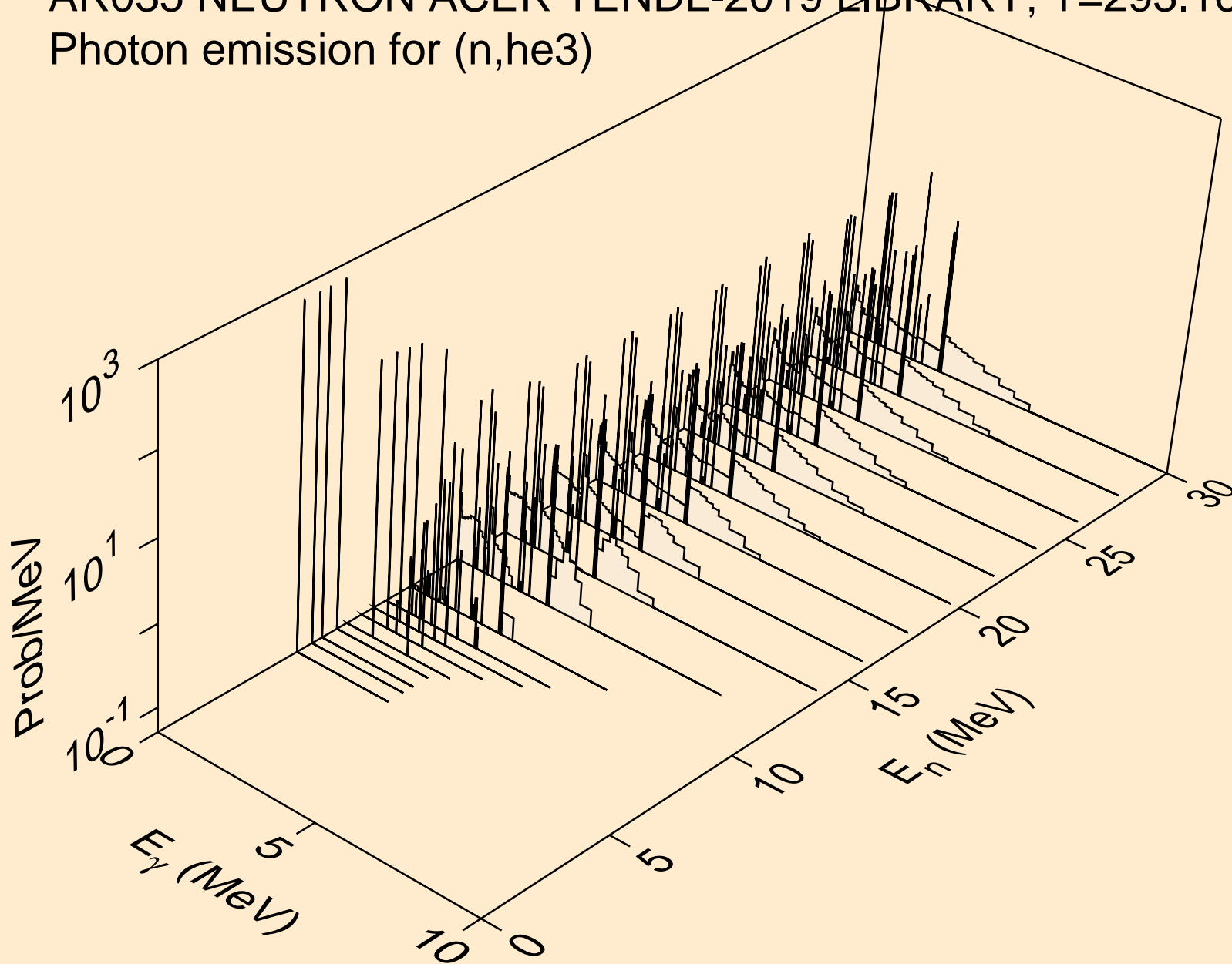
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Photon emission for (n,d)



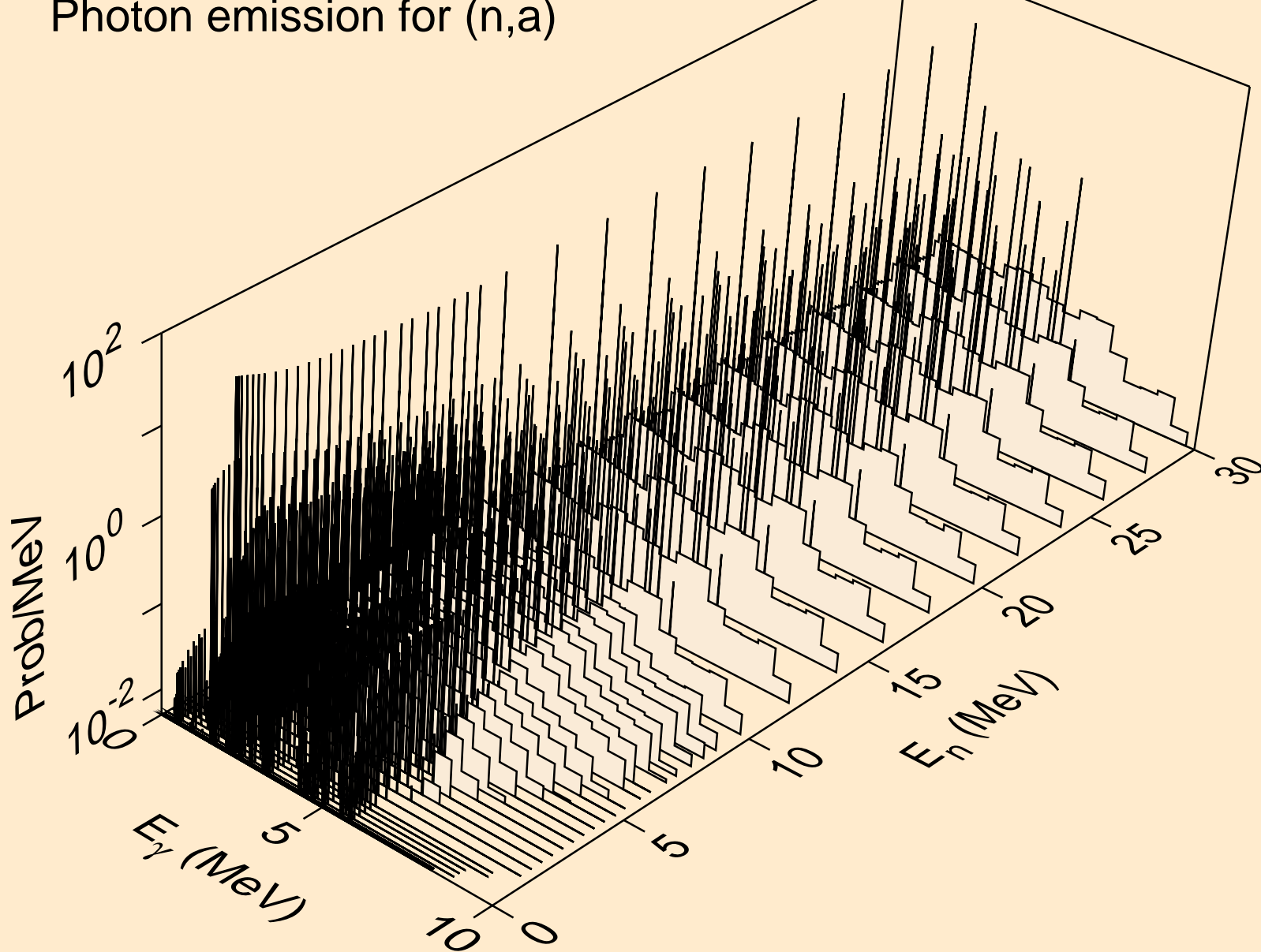
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Photon emission for (n,t)



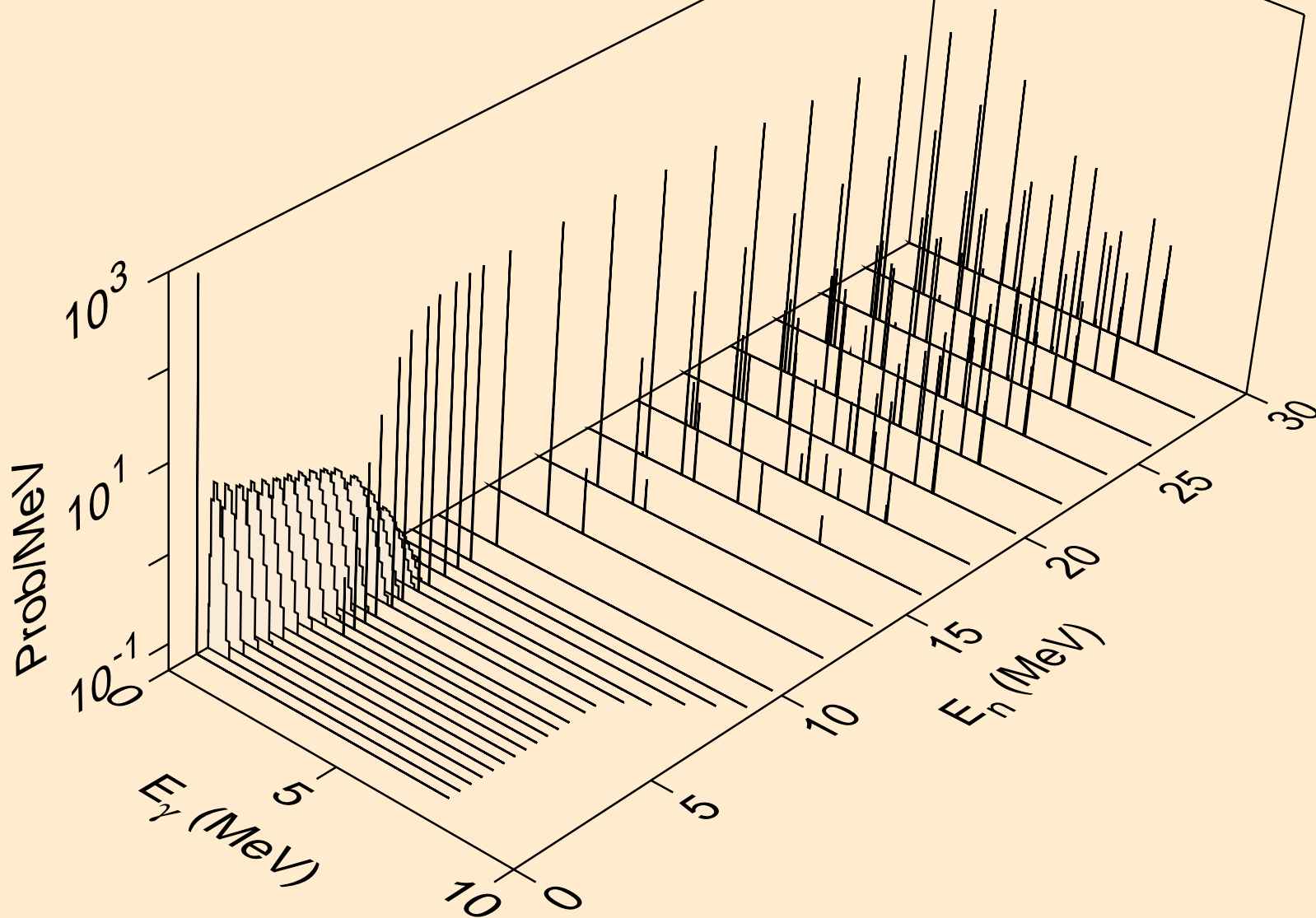
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Photon emission for (n,he3)



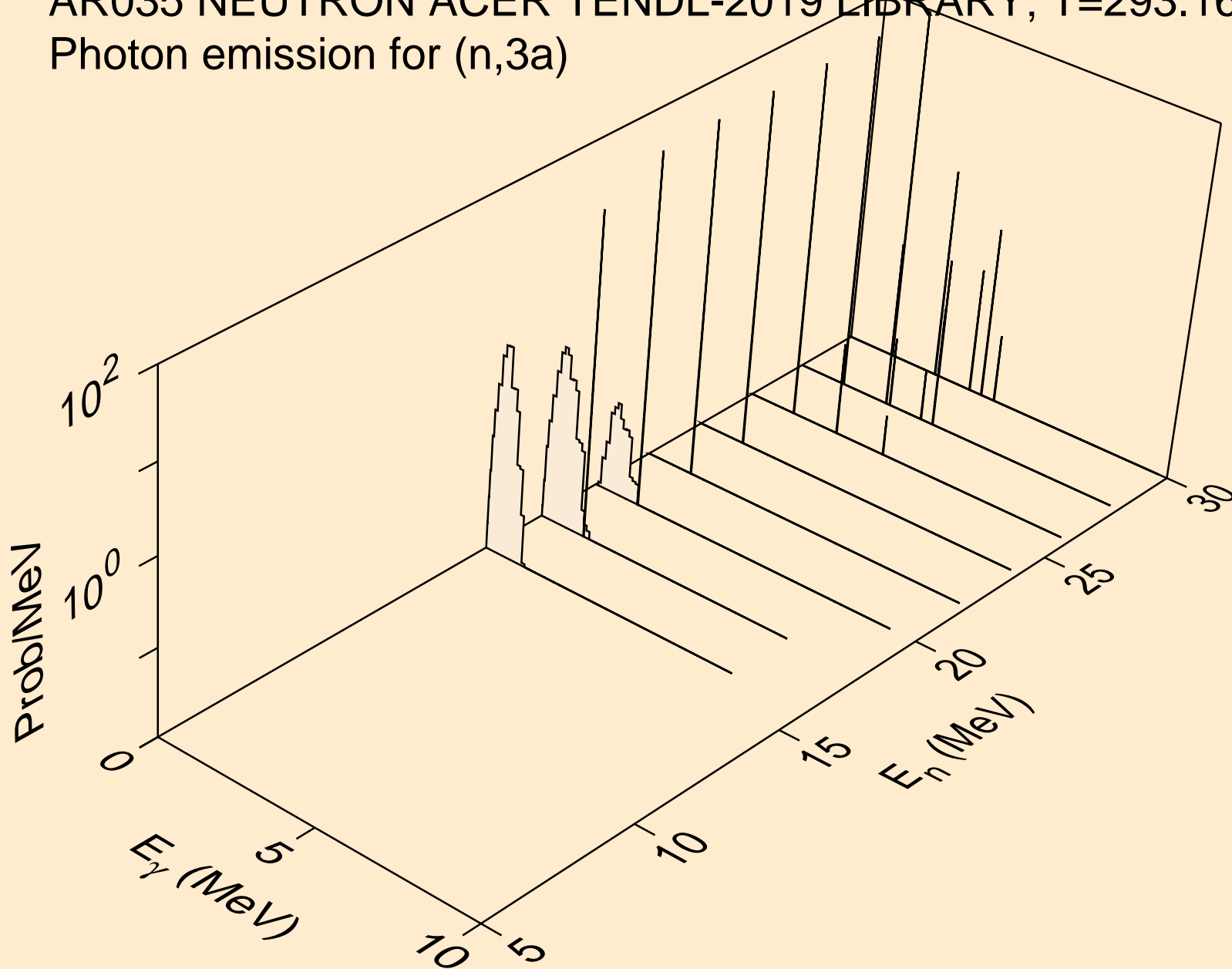
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Photon emission for (n,a)



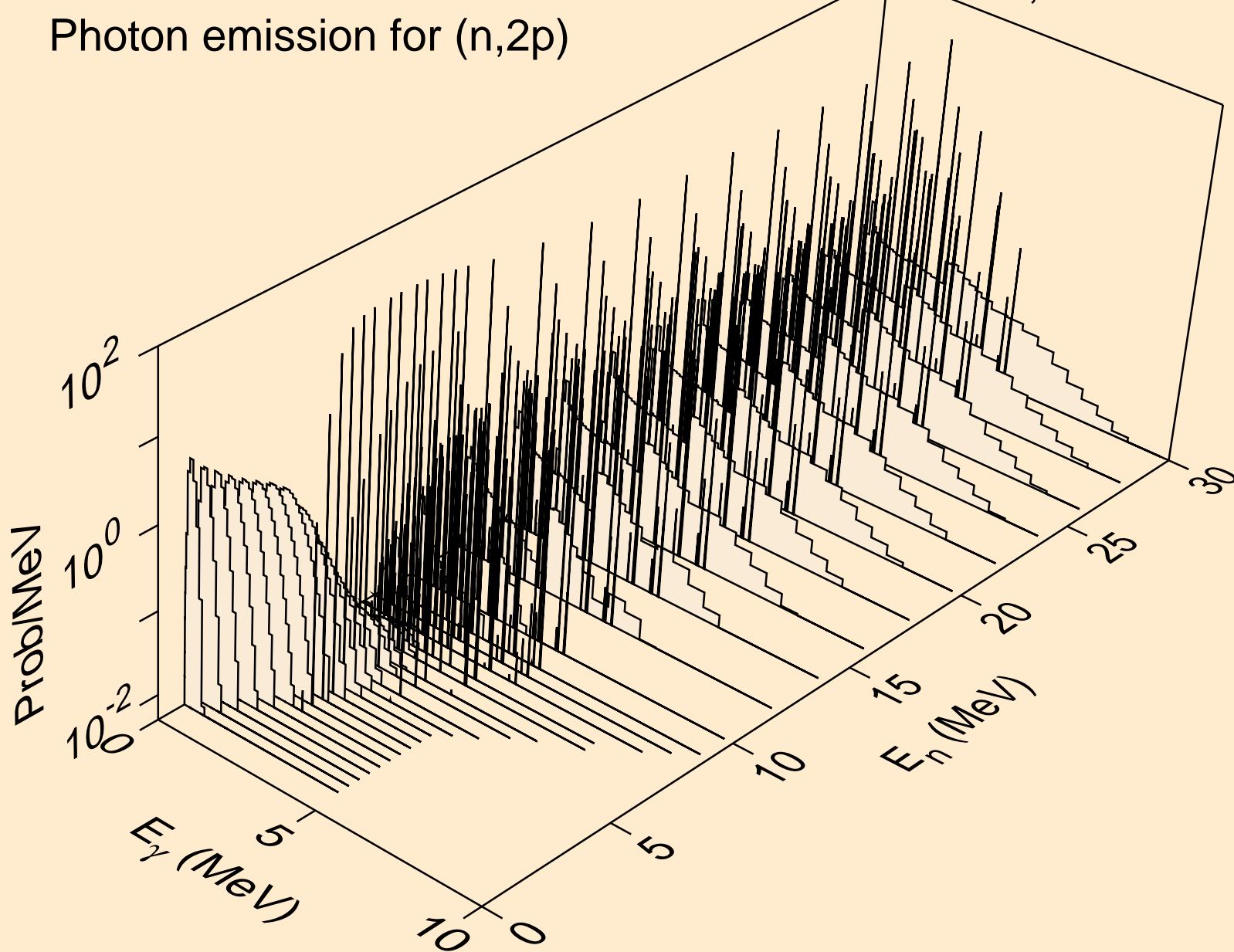
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Photon emission for (n,2a)



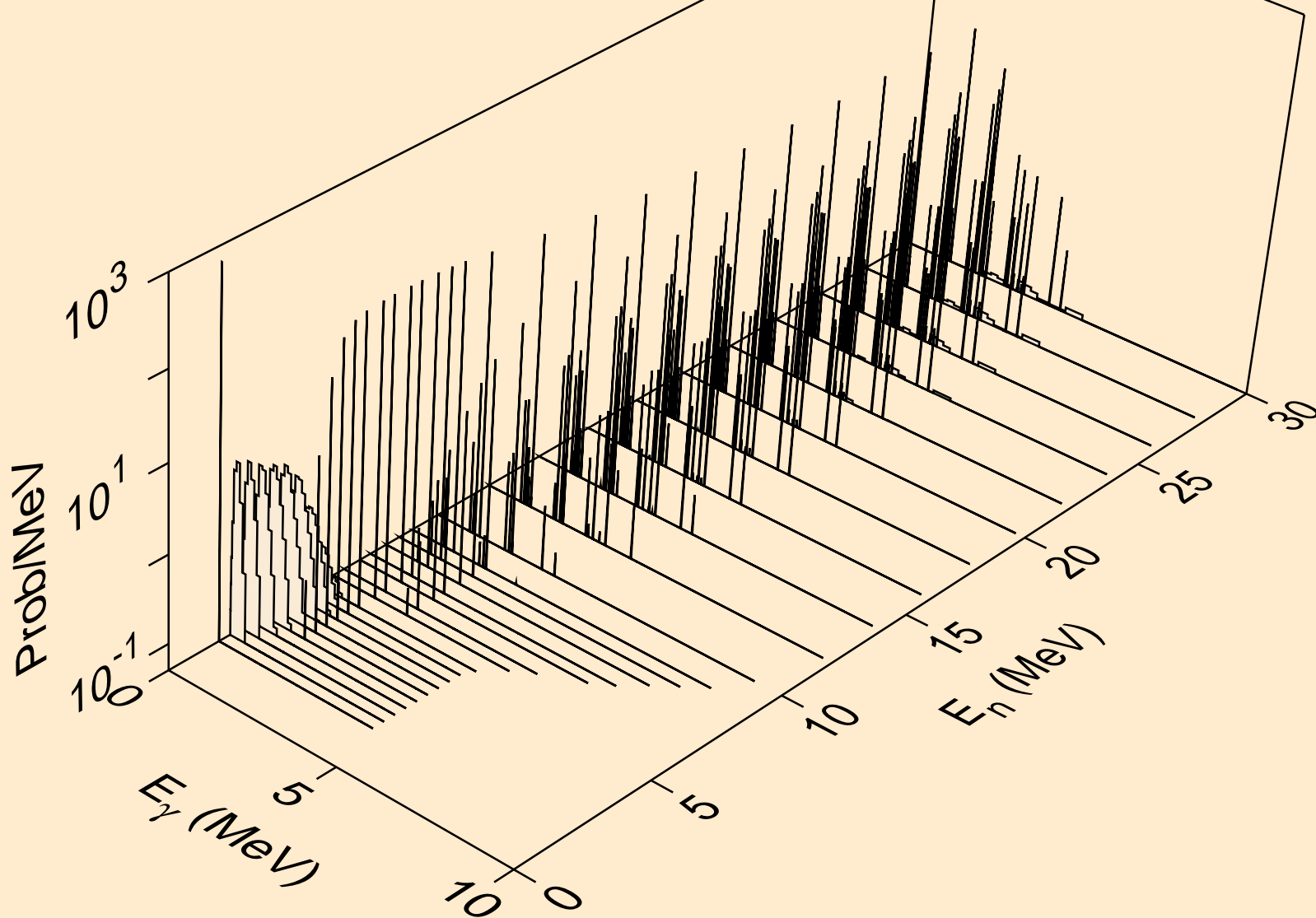
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

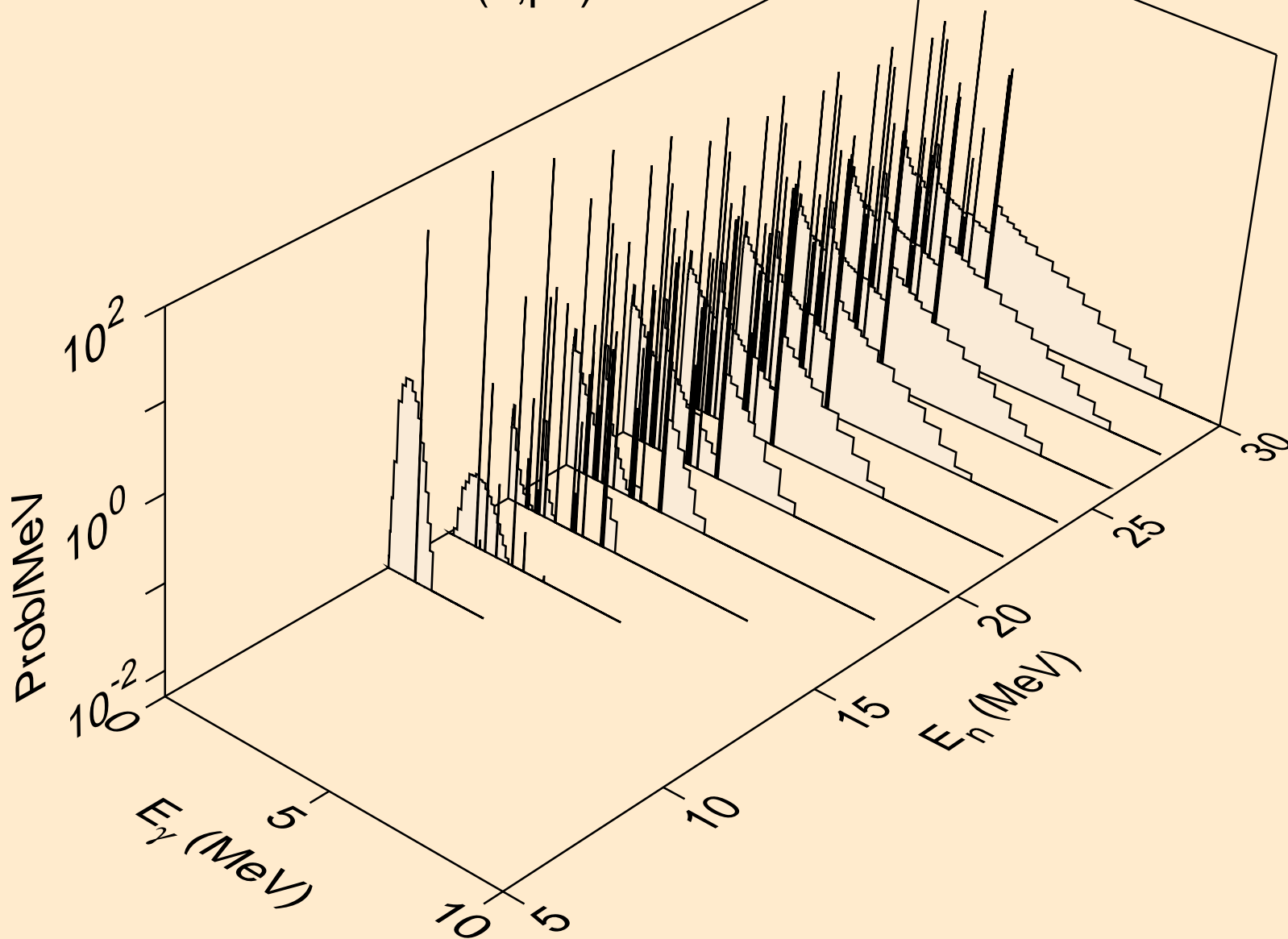


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

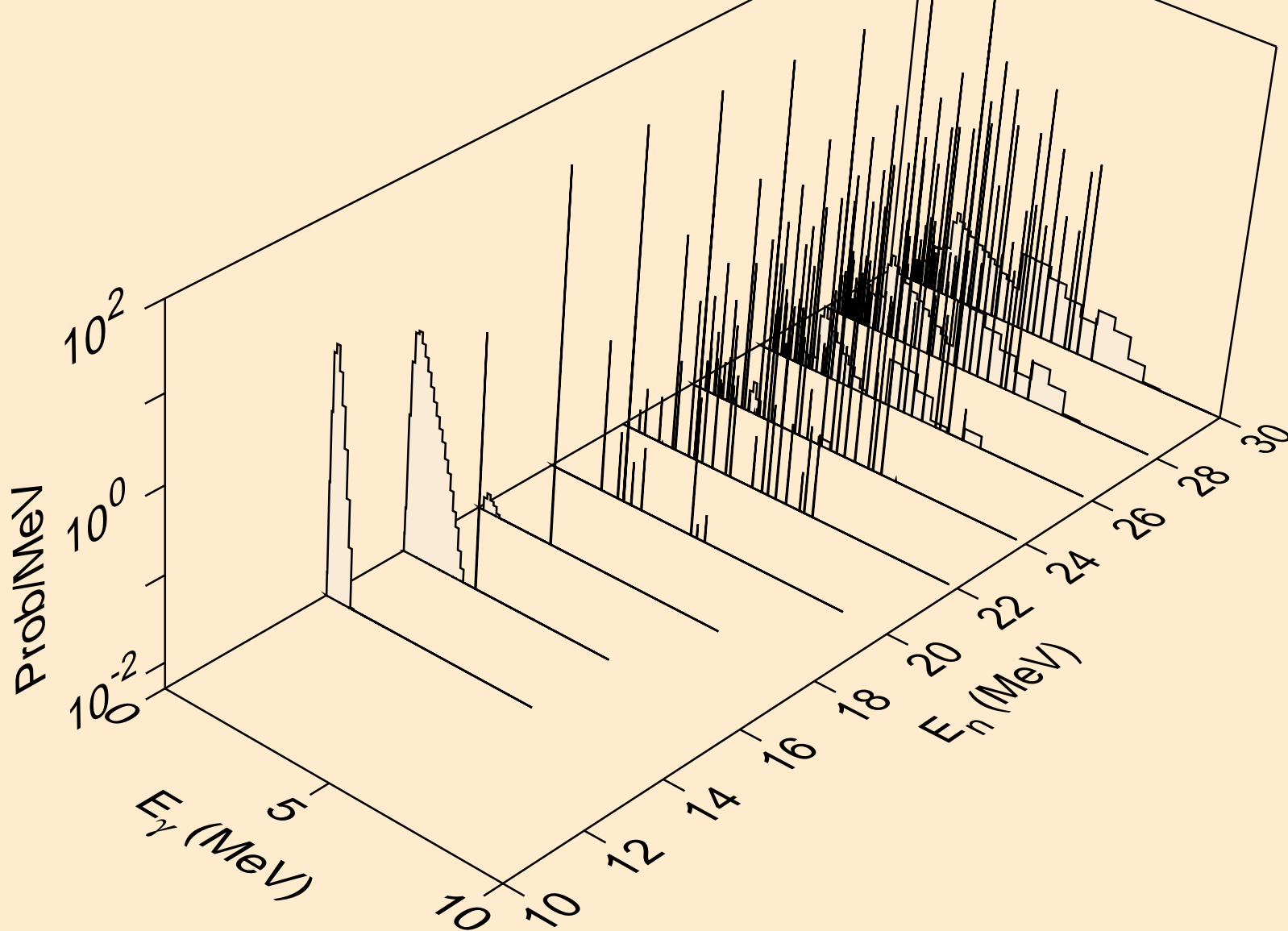




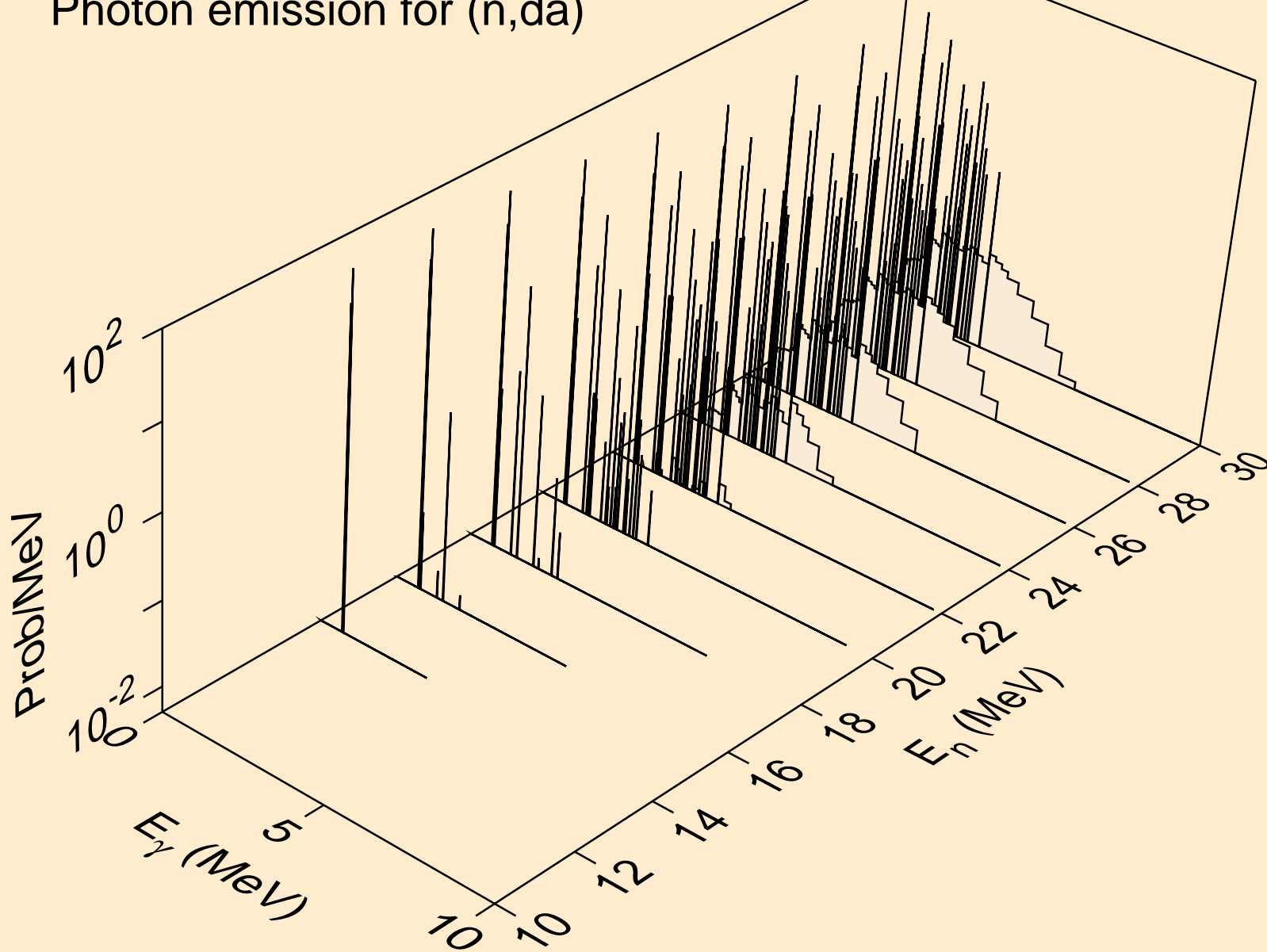
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Photon emission for (n,pd)



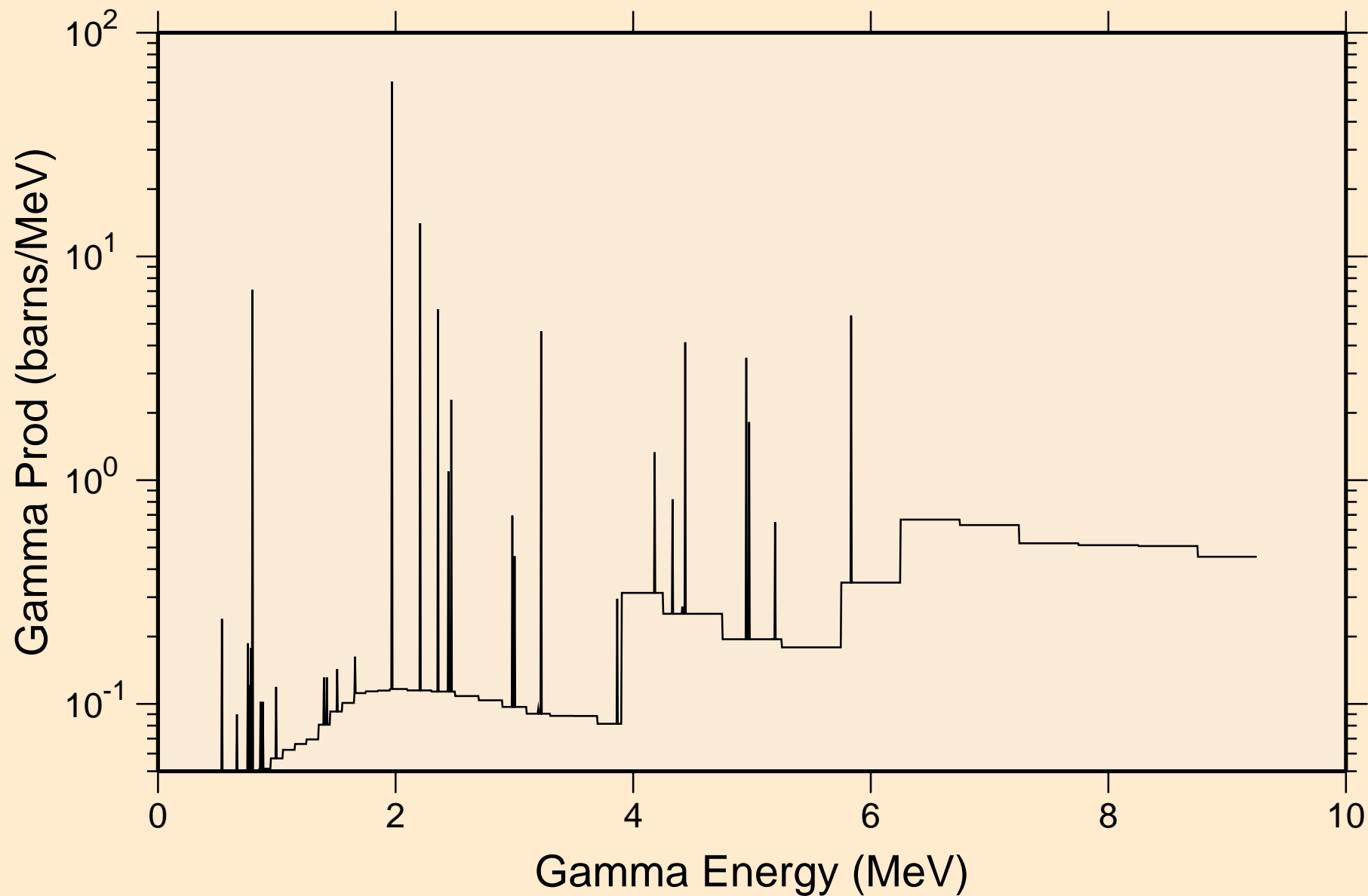
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Photon emission for (n,pt)



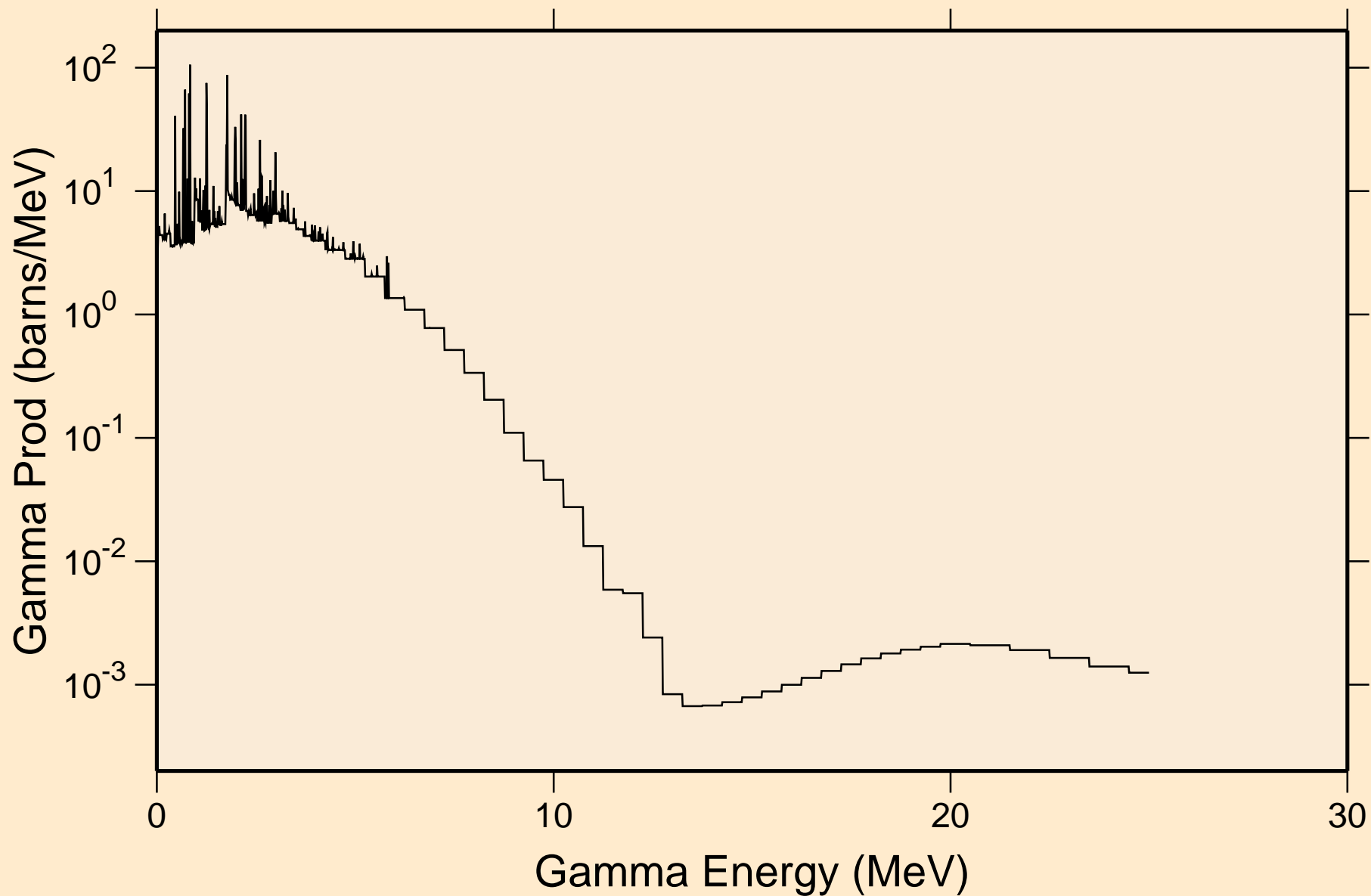
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Photon emission for (n,da)



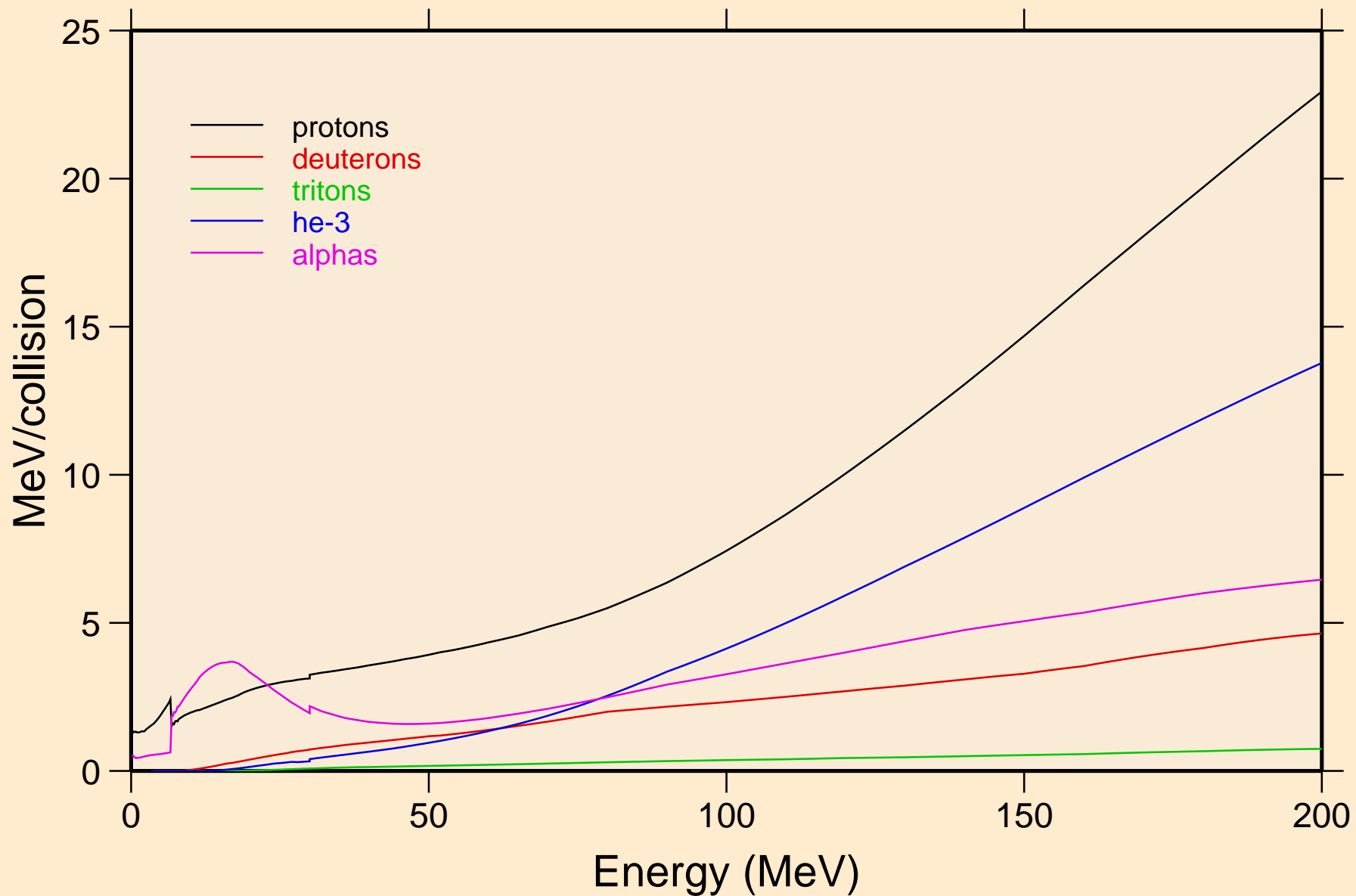
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



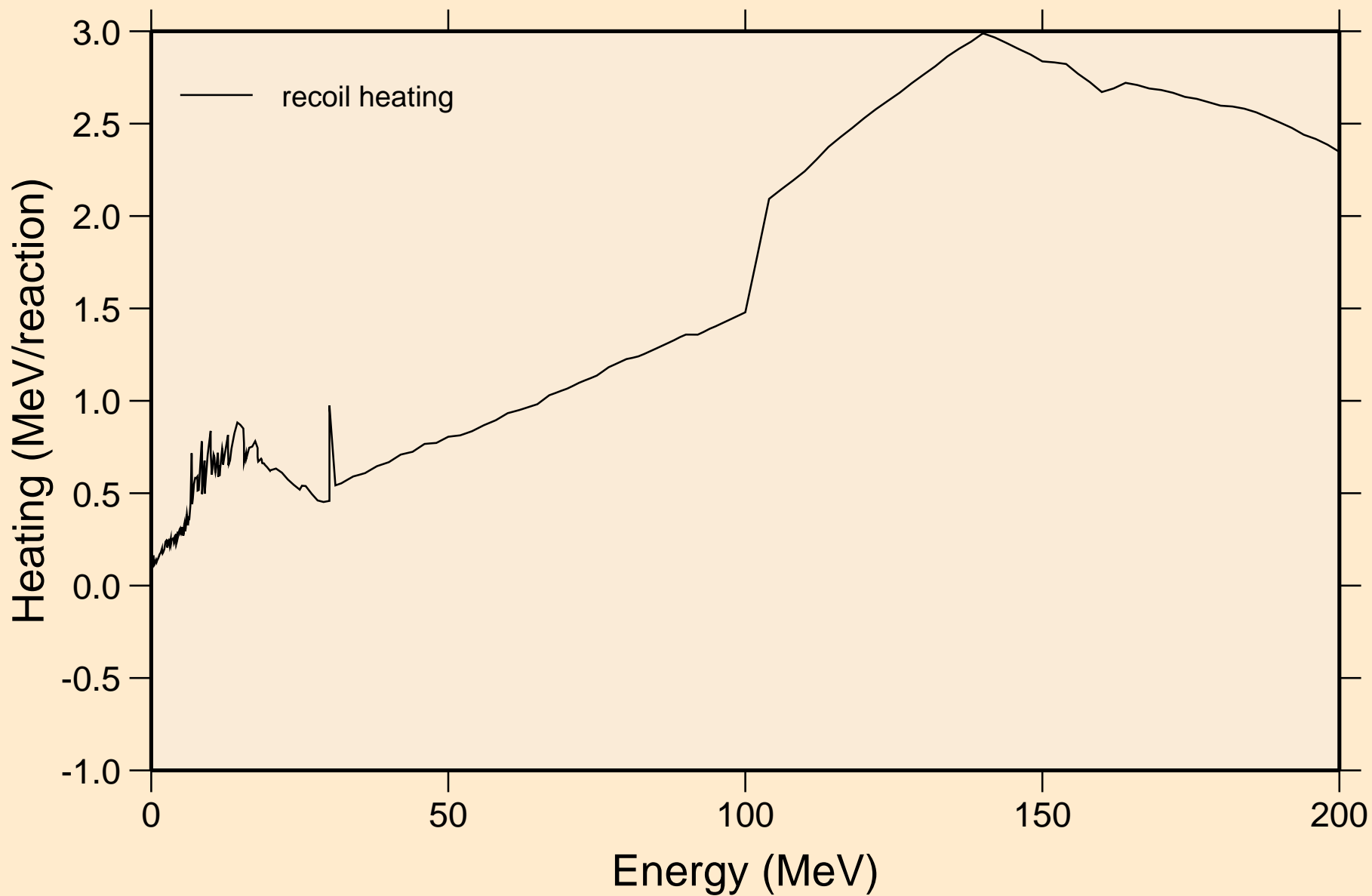
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

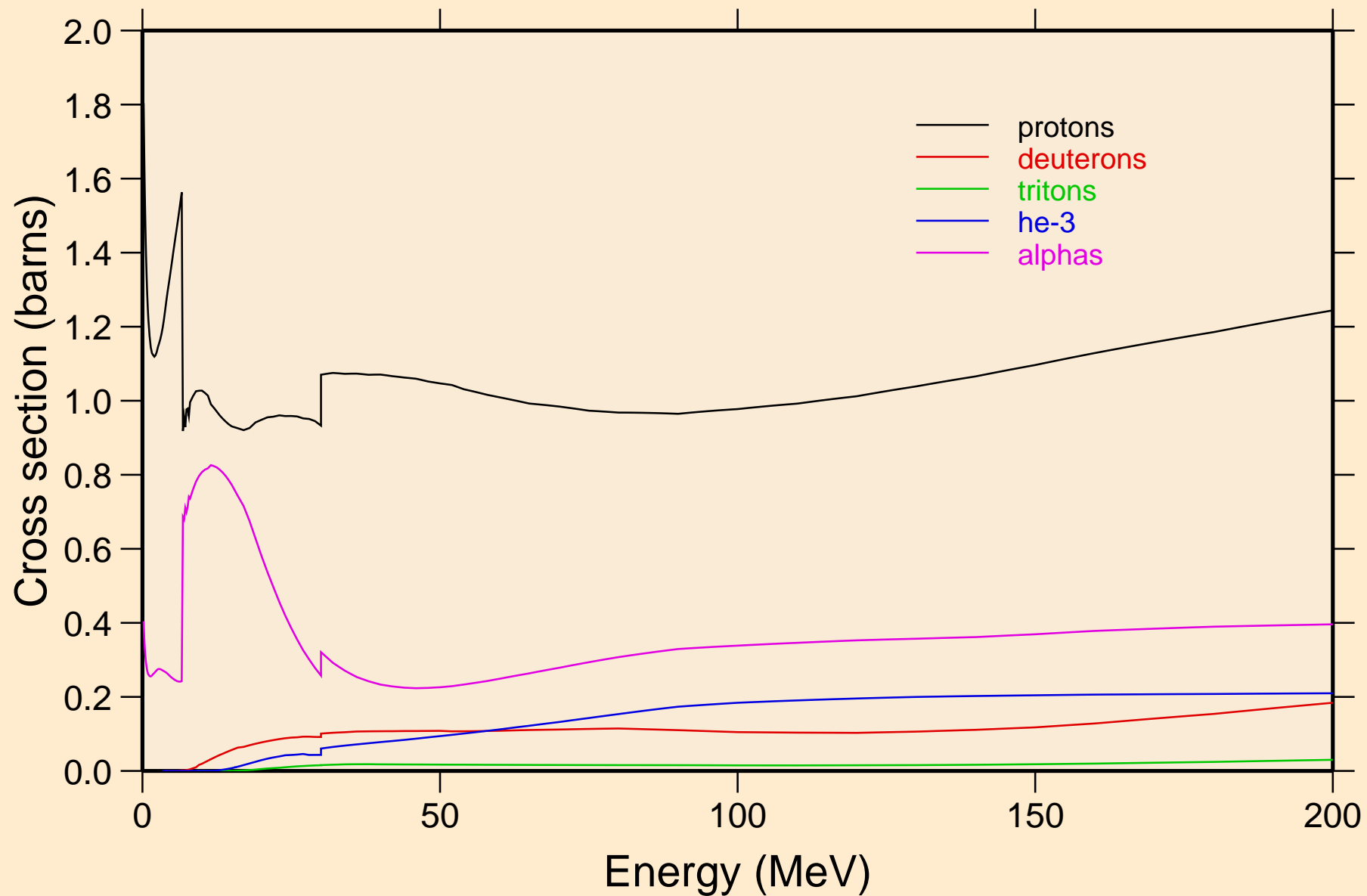


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Recoil Heating



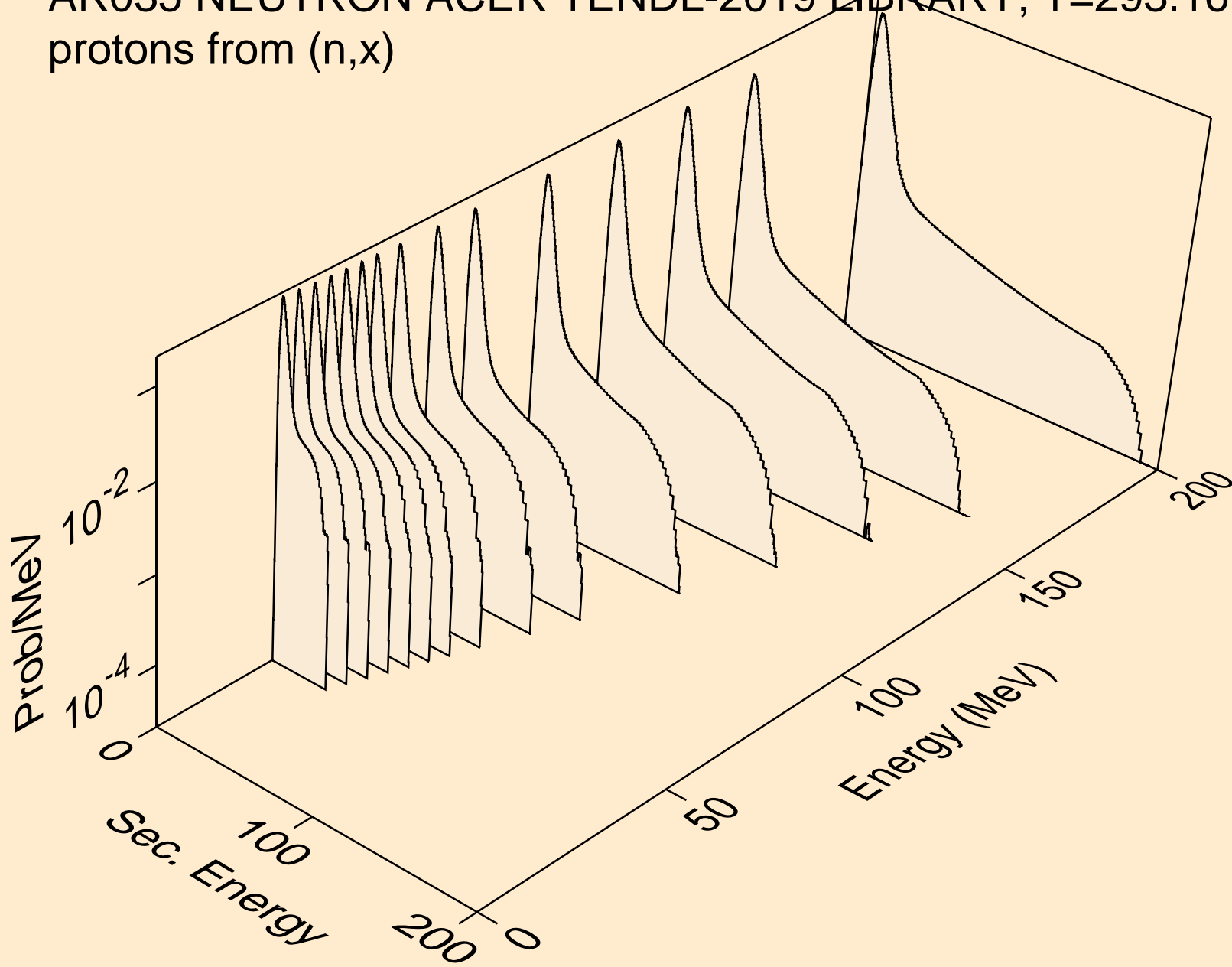
# AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

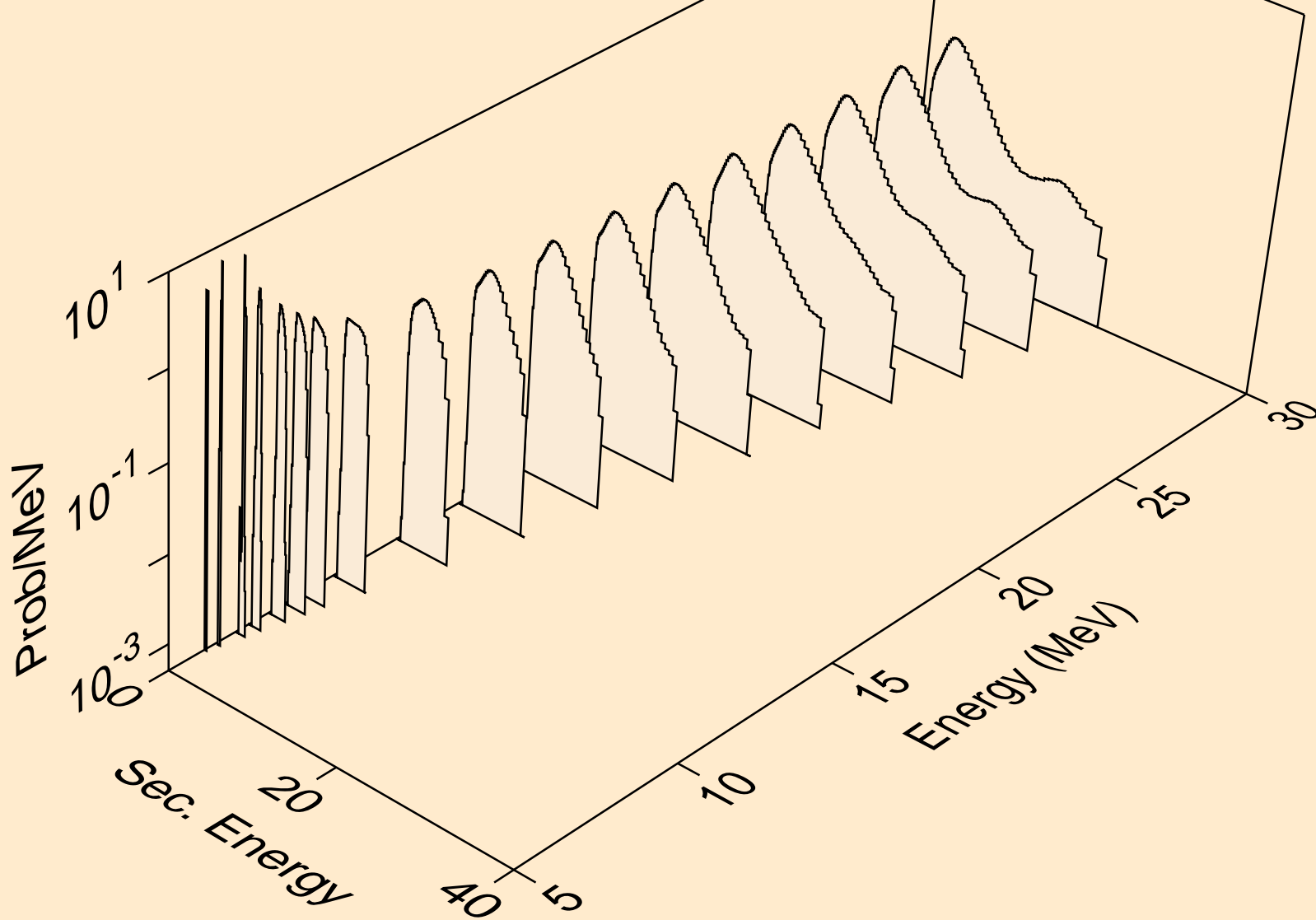




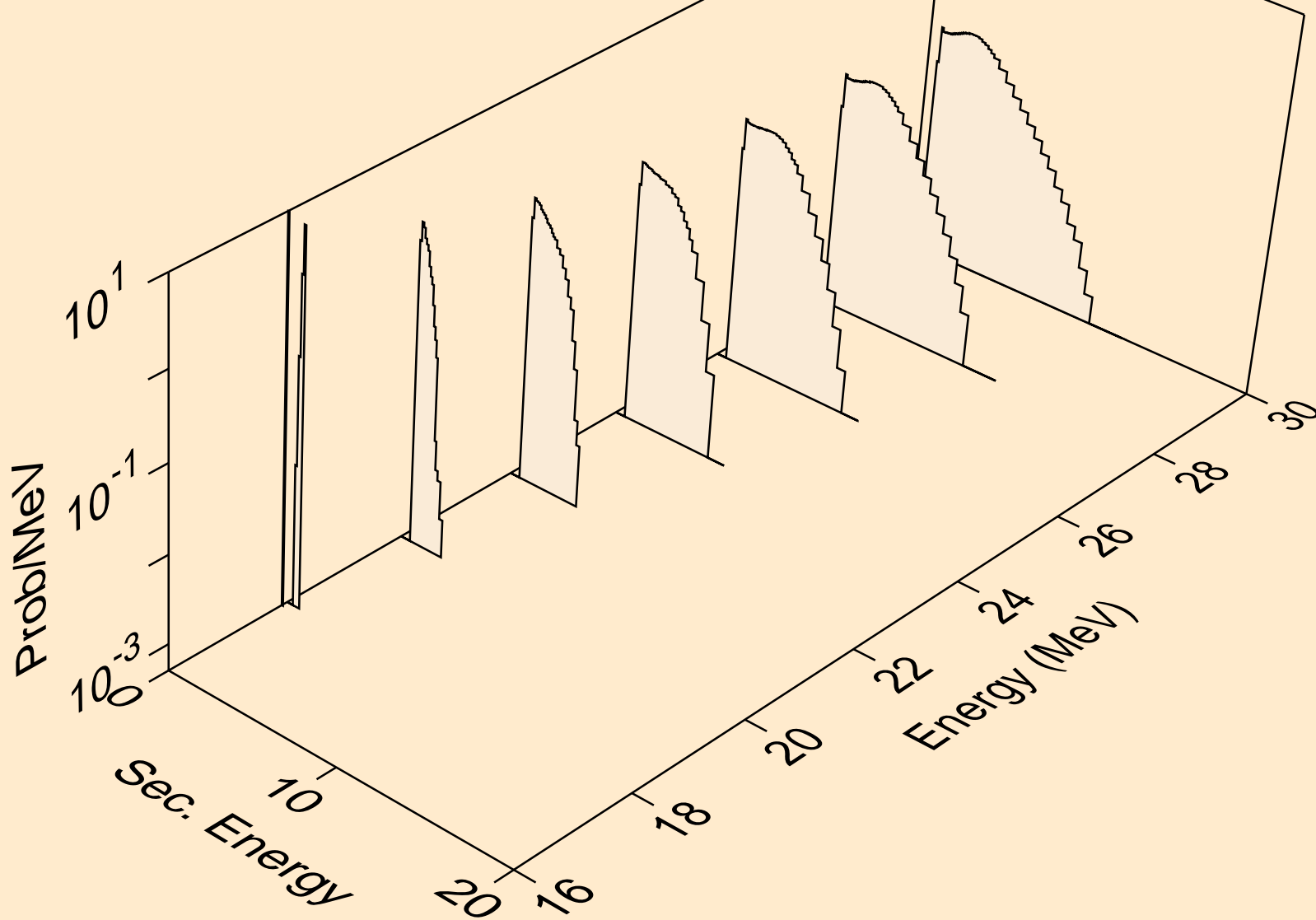
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protons from (n,x)



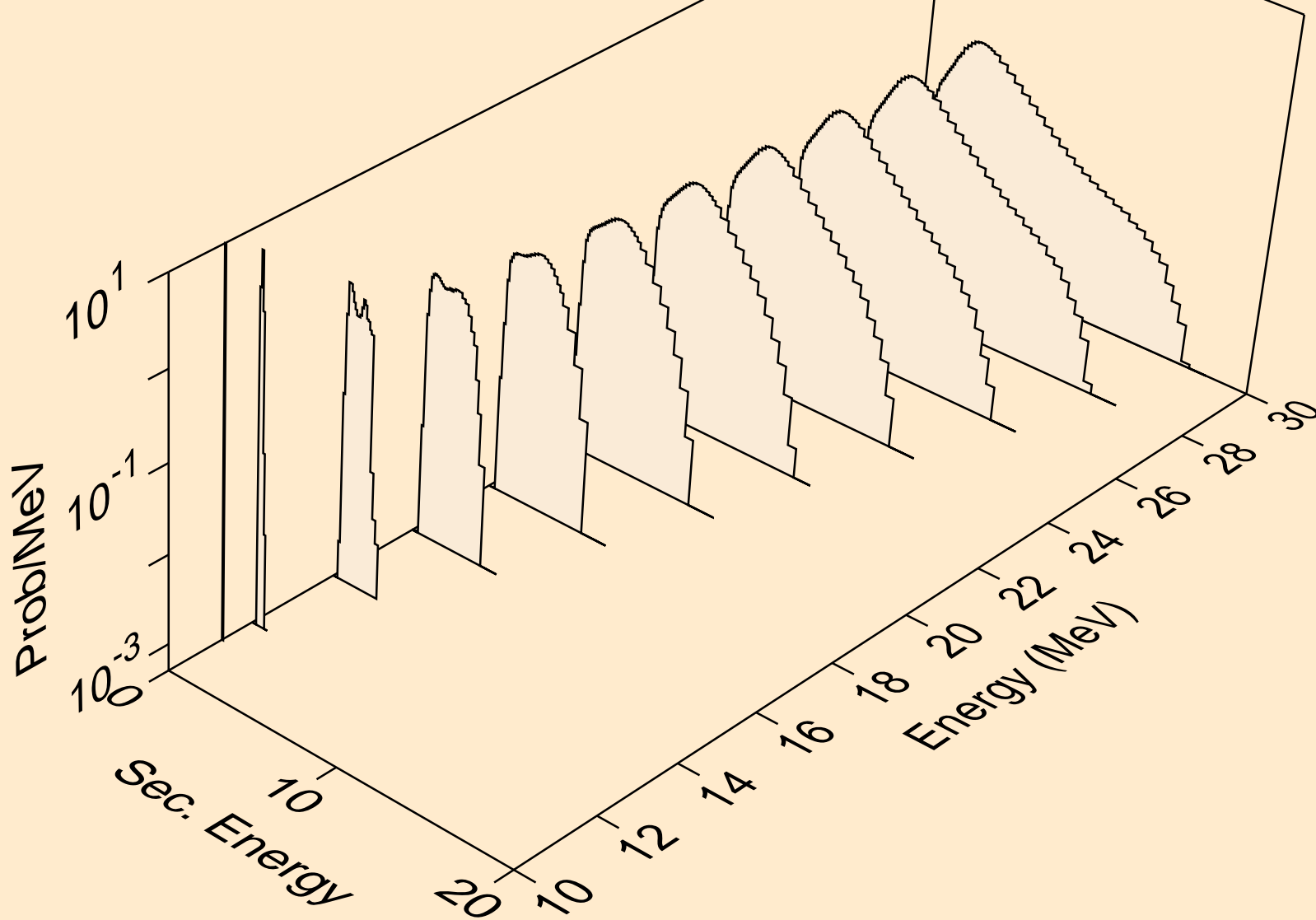
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protons from (n,n\*)p



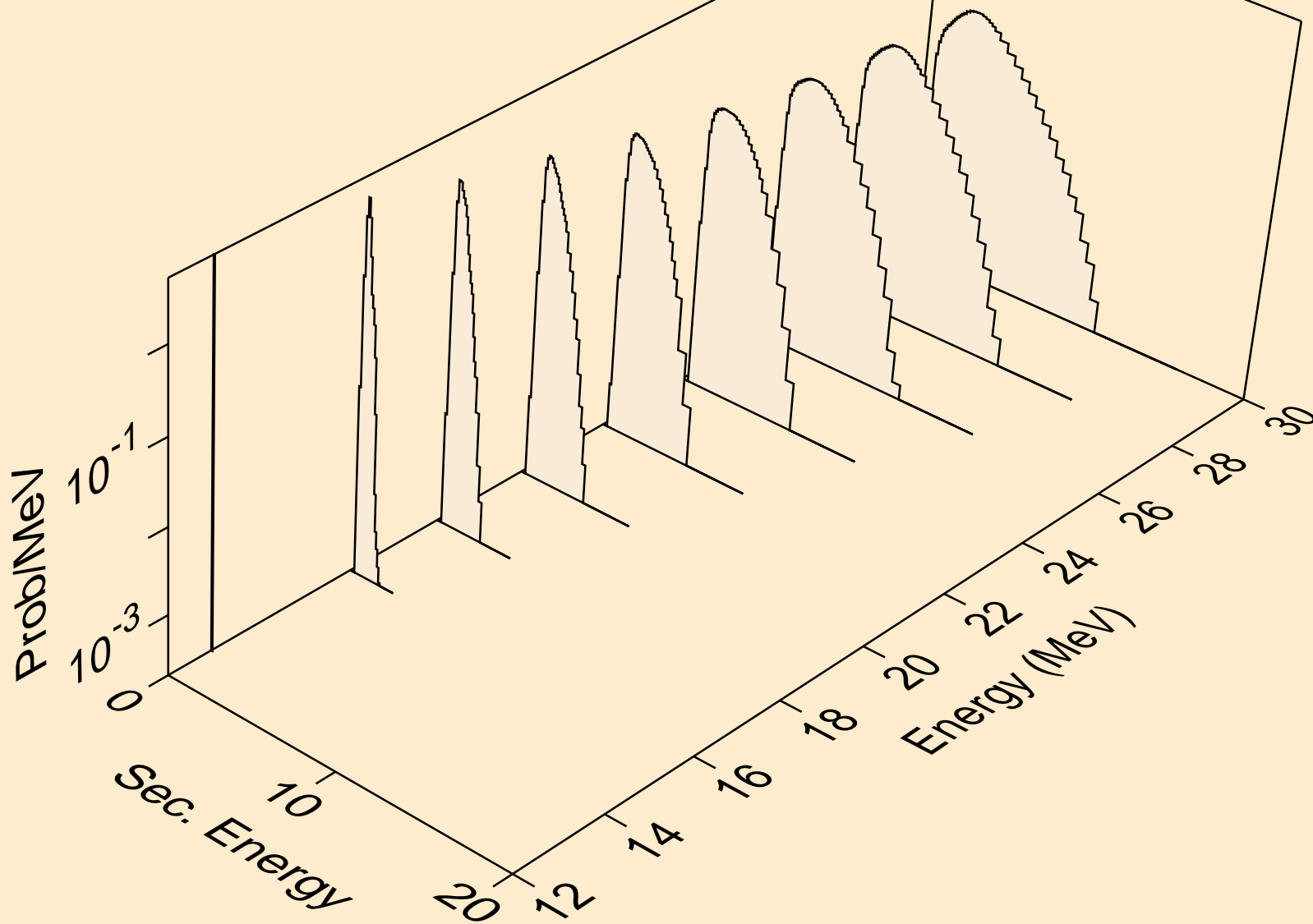
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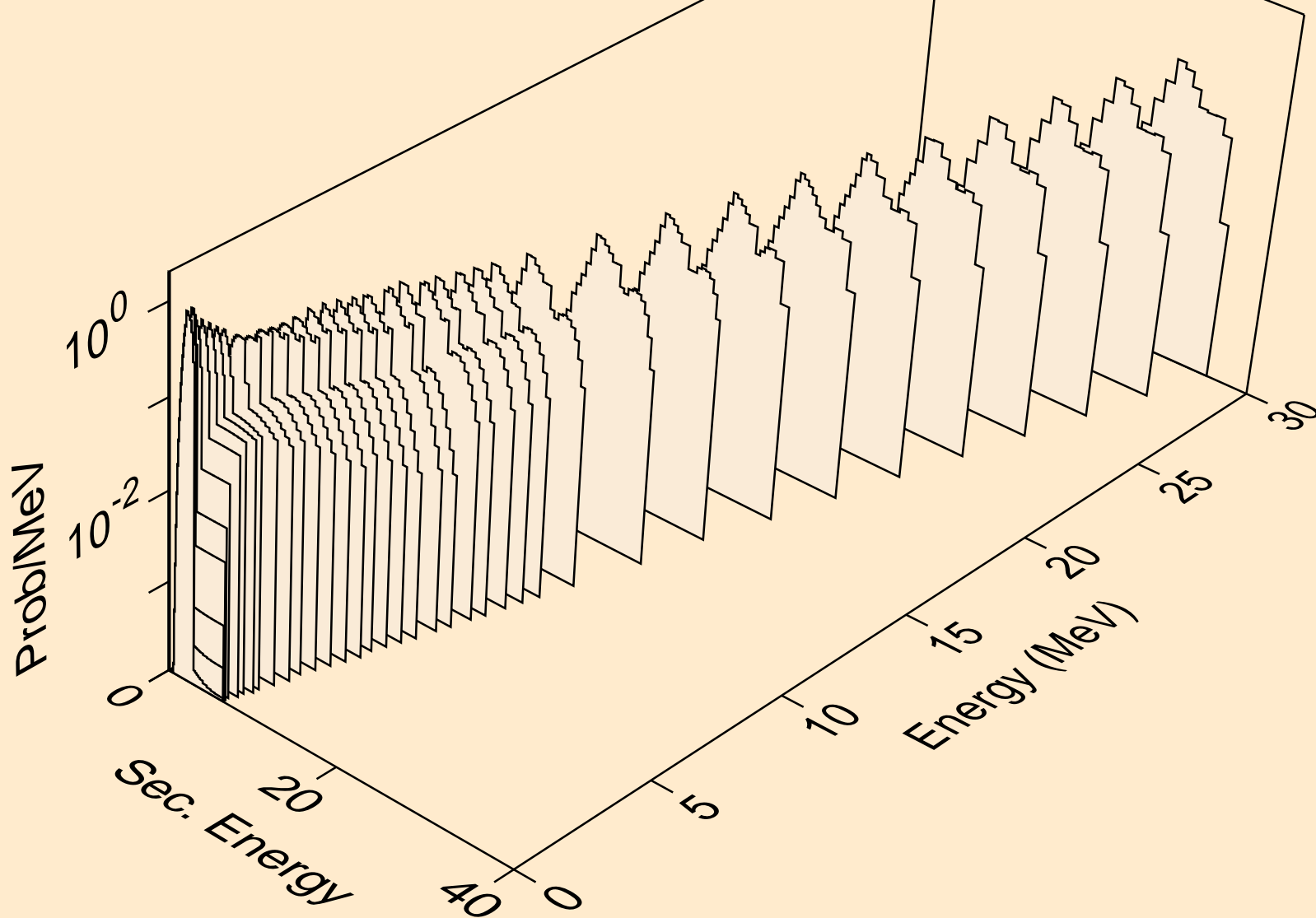
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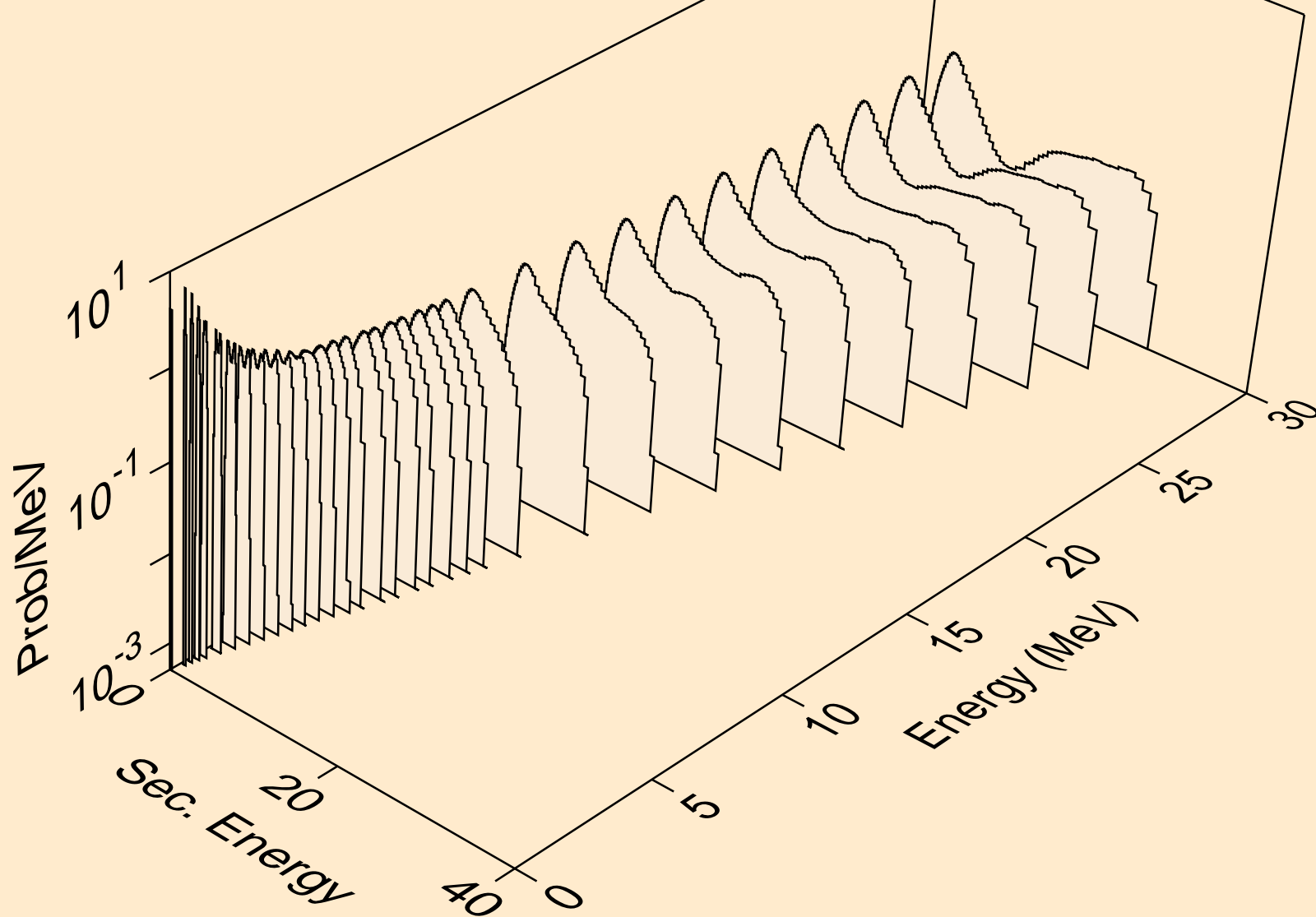
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protons from (n,npa)



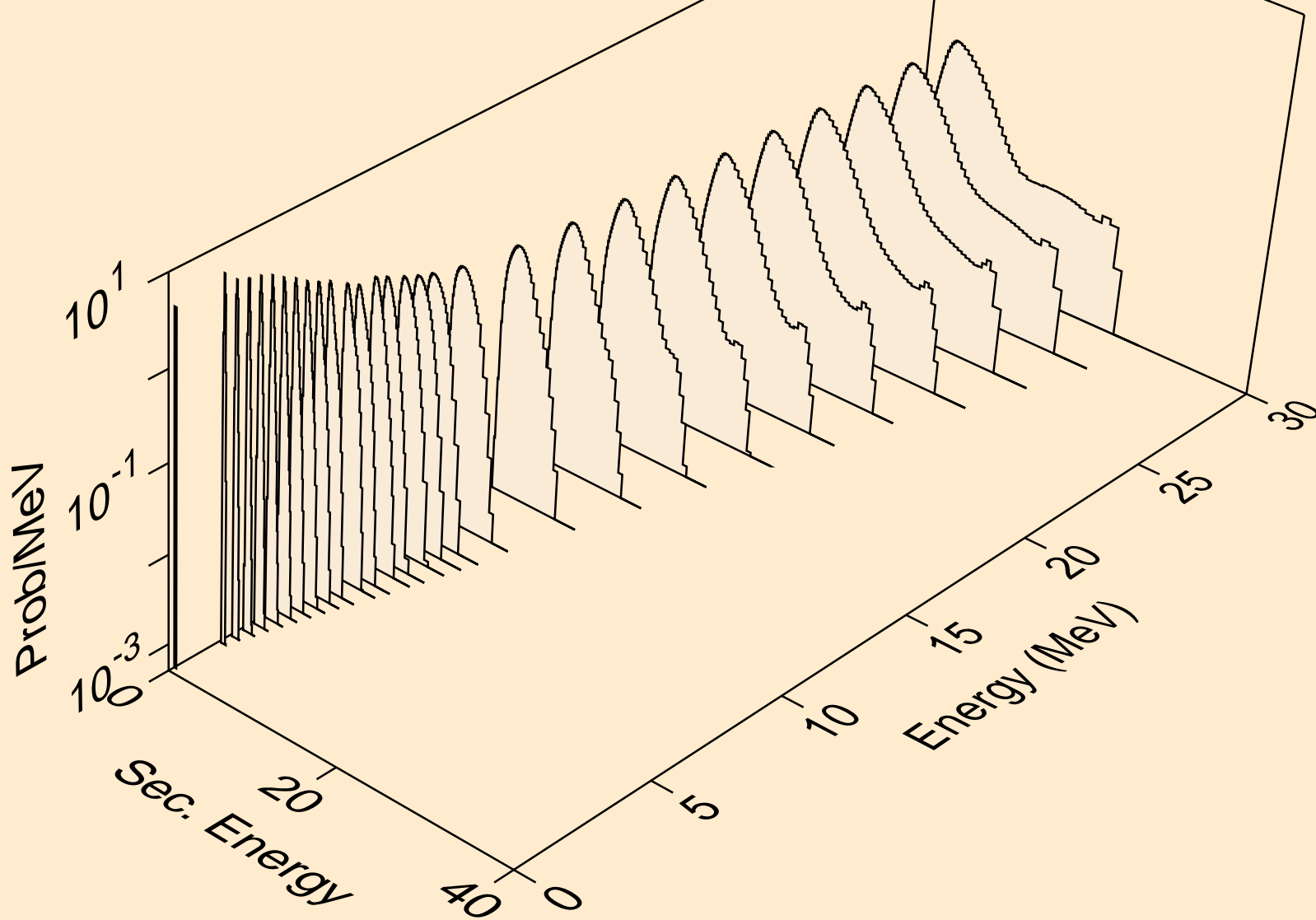
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protons from (n,p)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

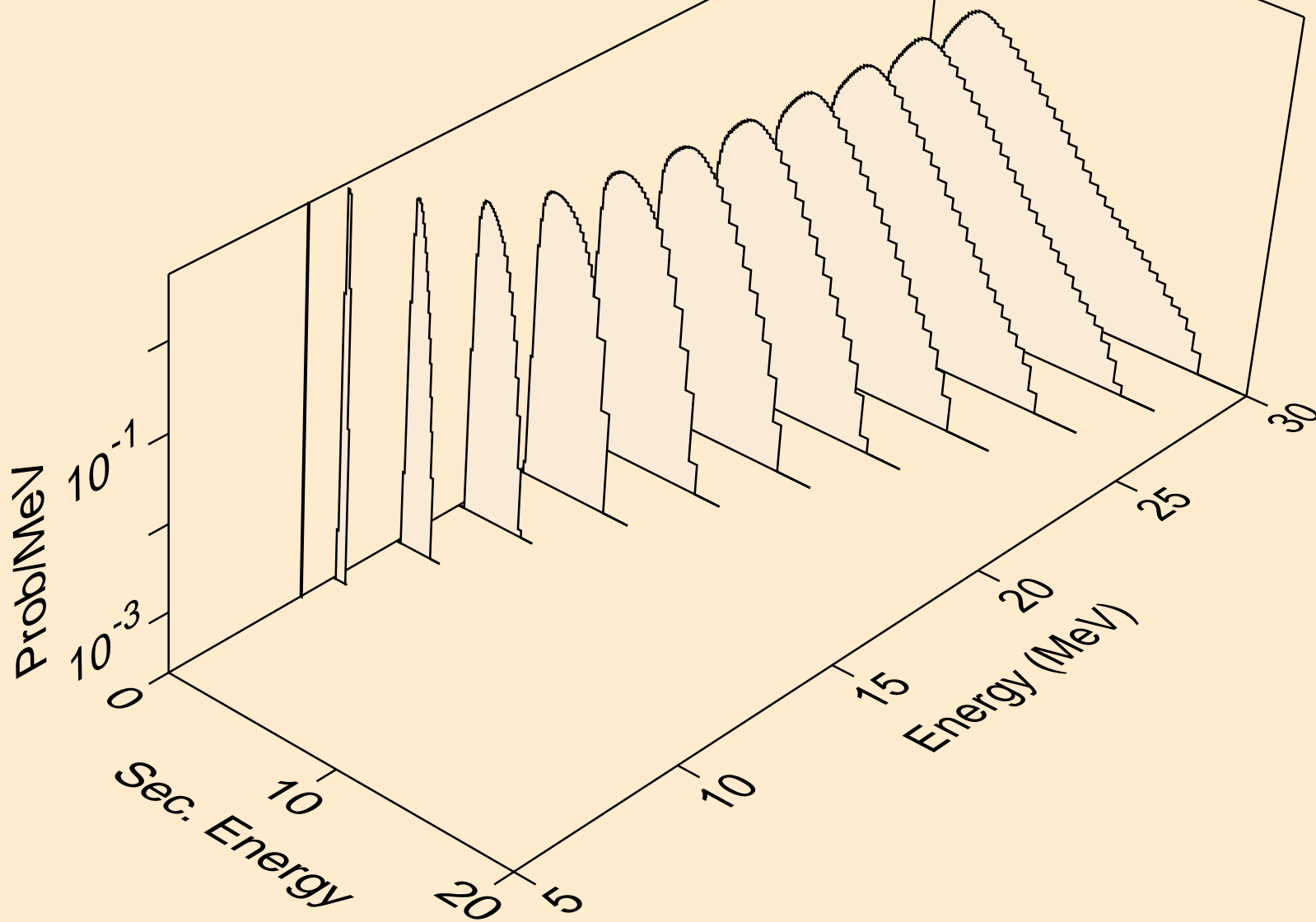


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protons from (n,p)

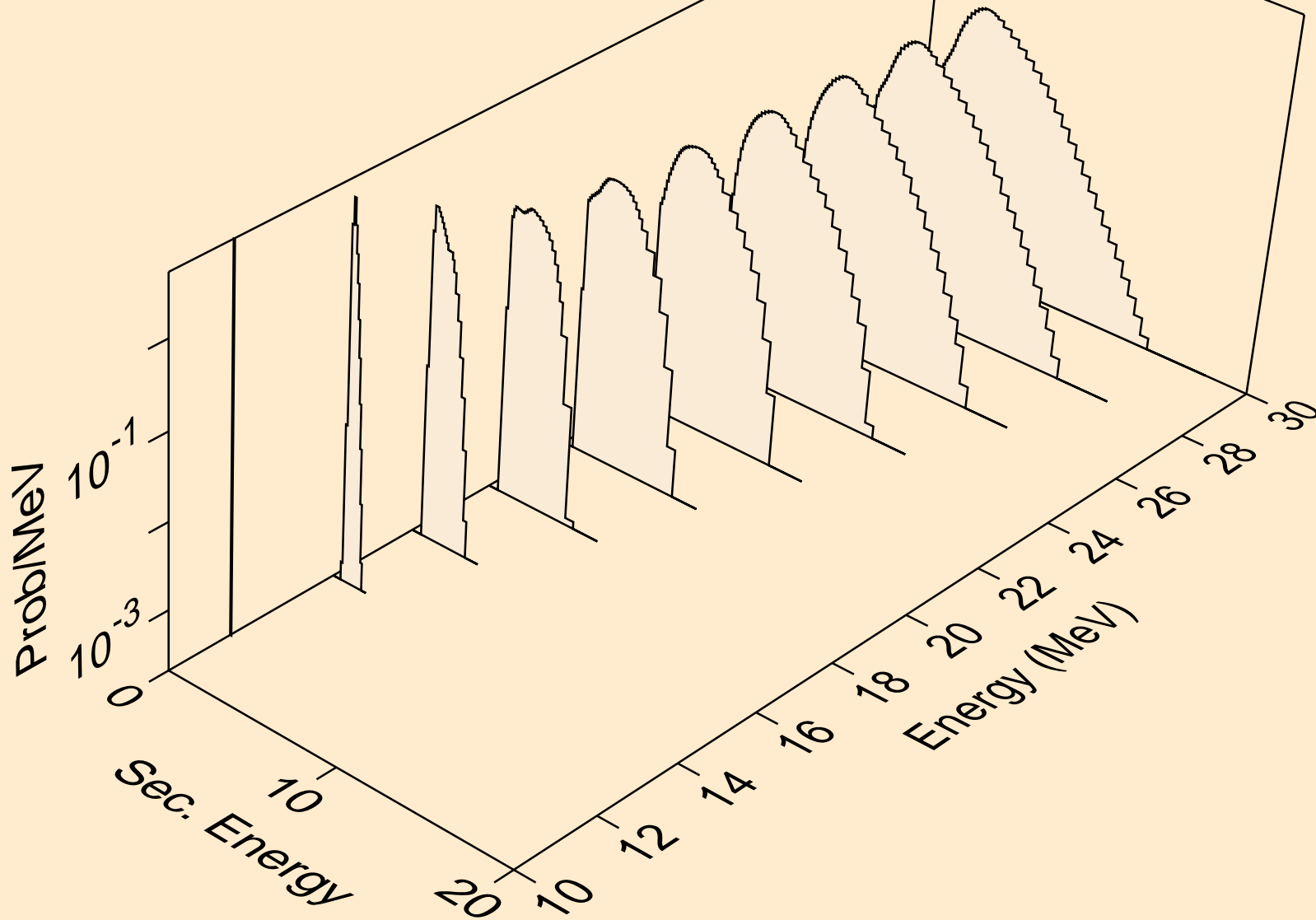




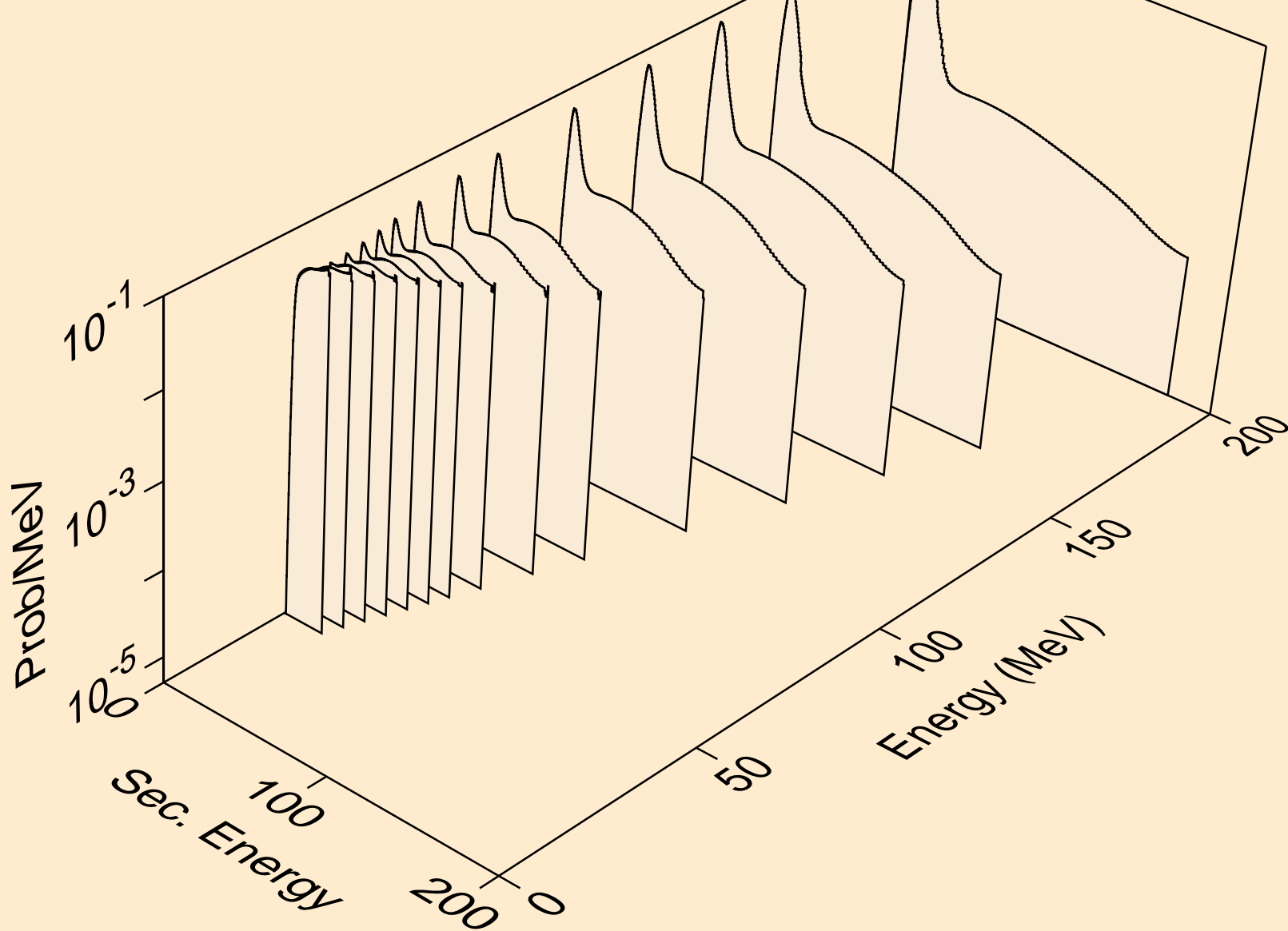
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protons from (n,pd)



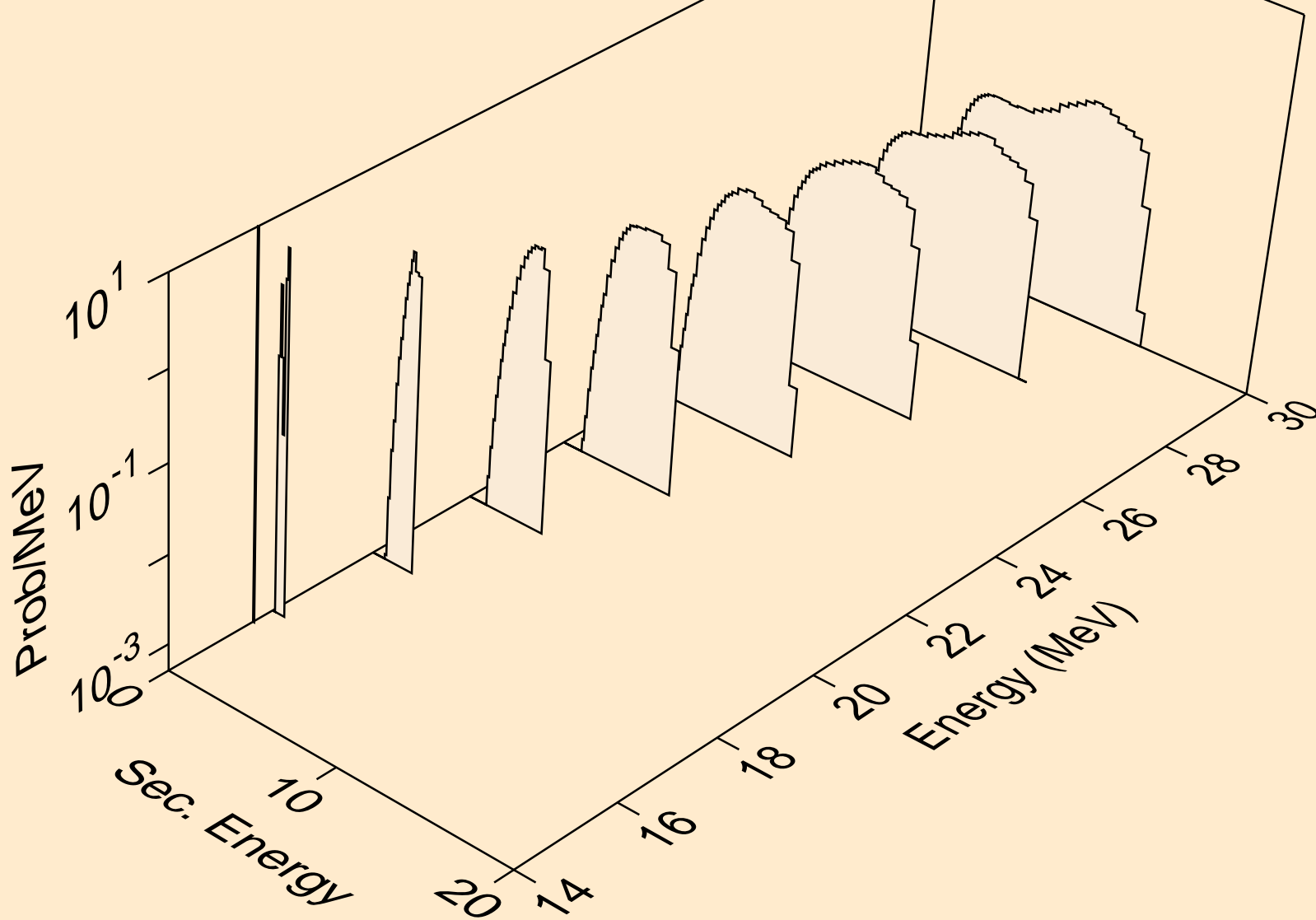
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protons from (n,pt)



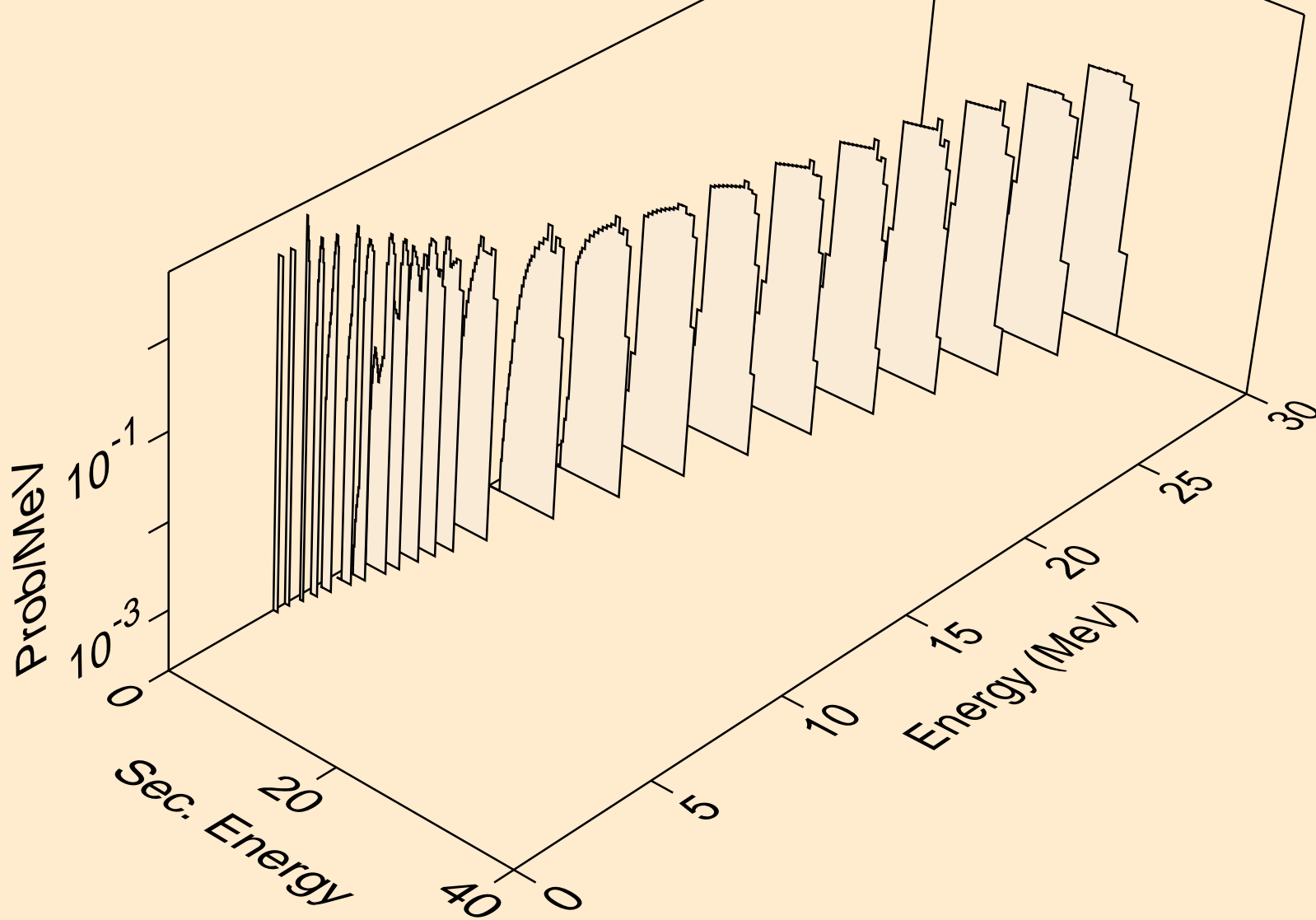
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deuterons from (n,x)



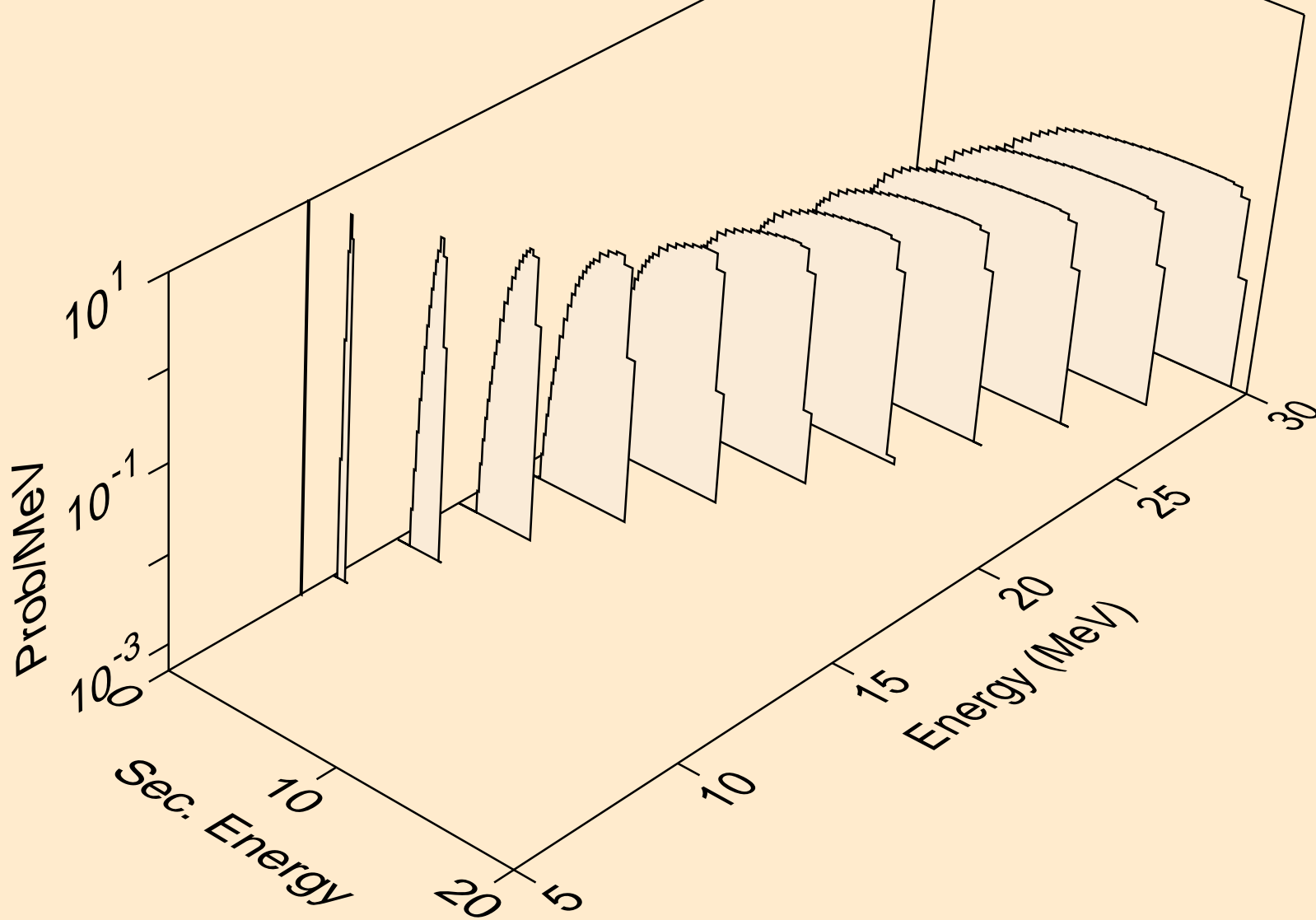
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deuterons from (n,n\*)d



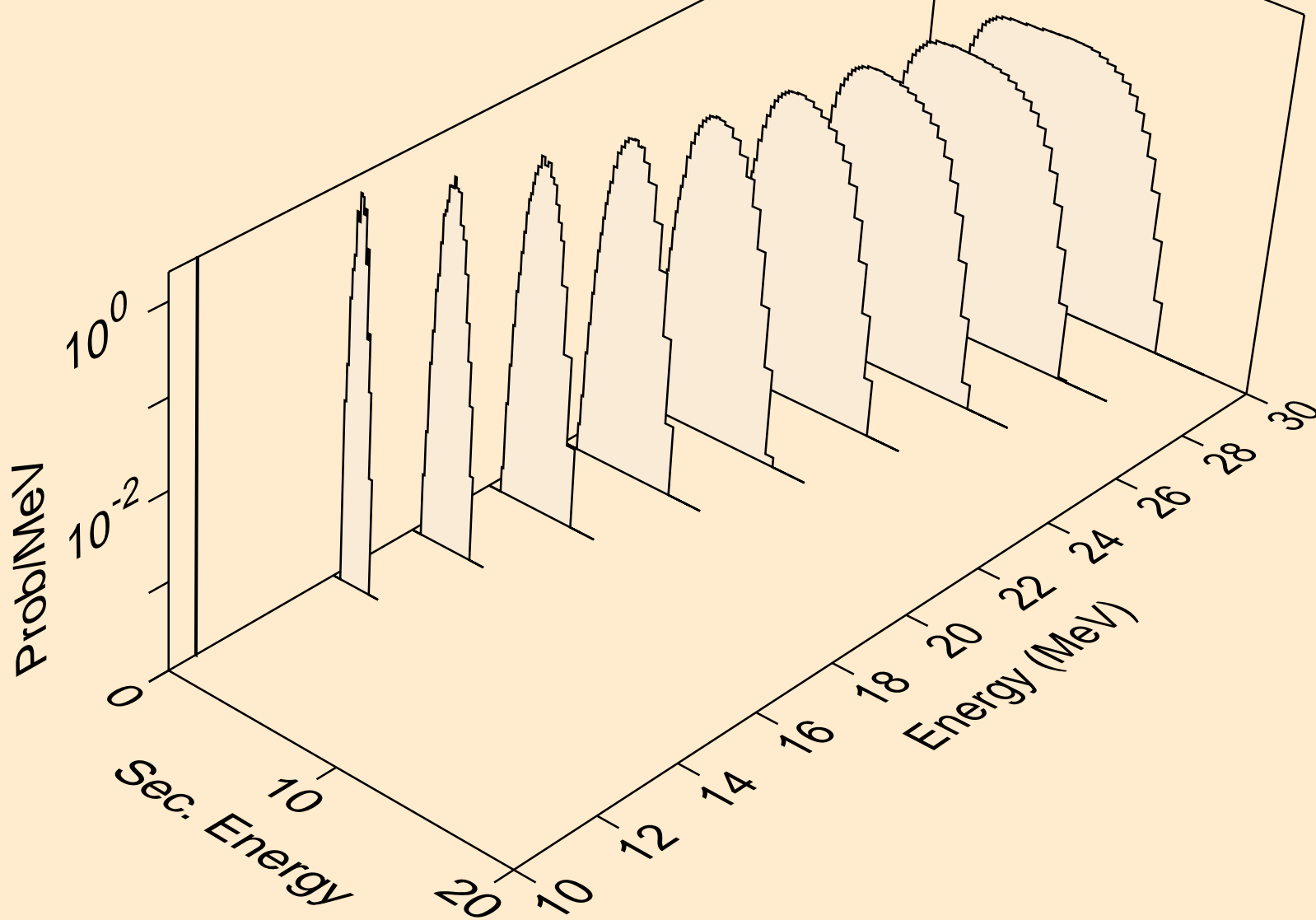
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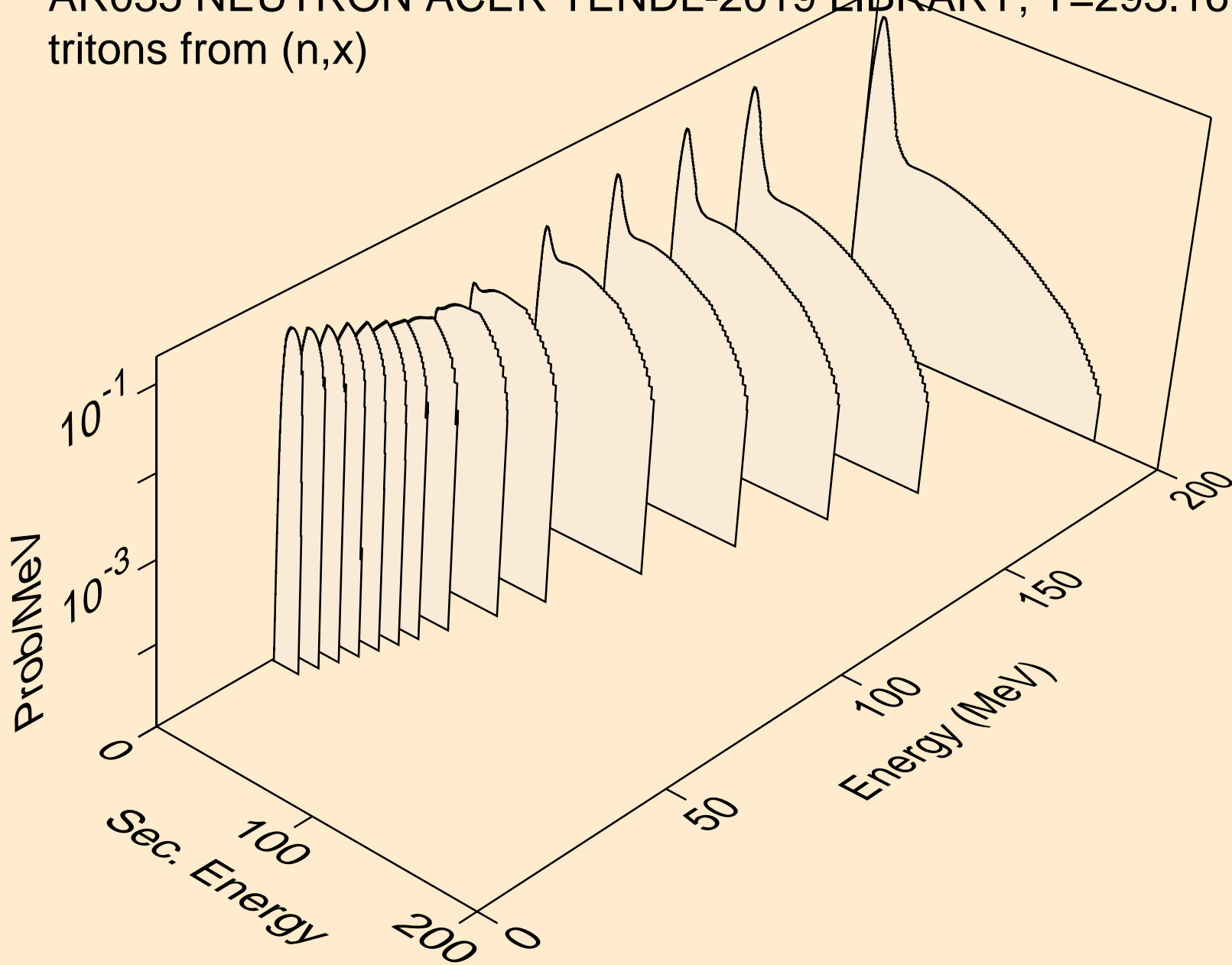
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deuterons from (n,pd)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

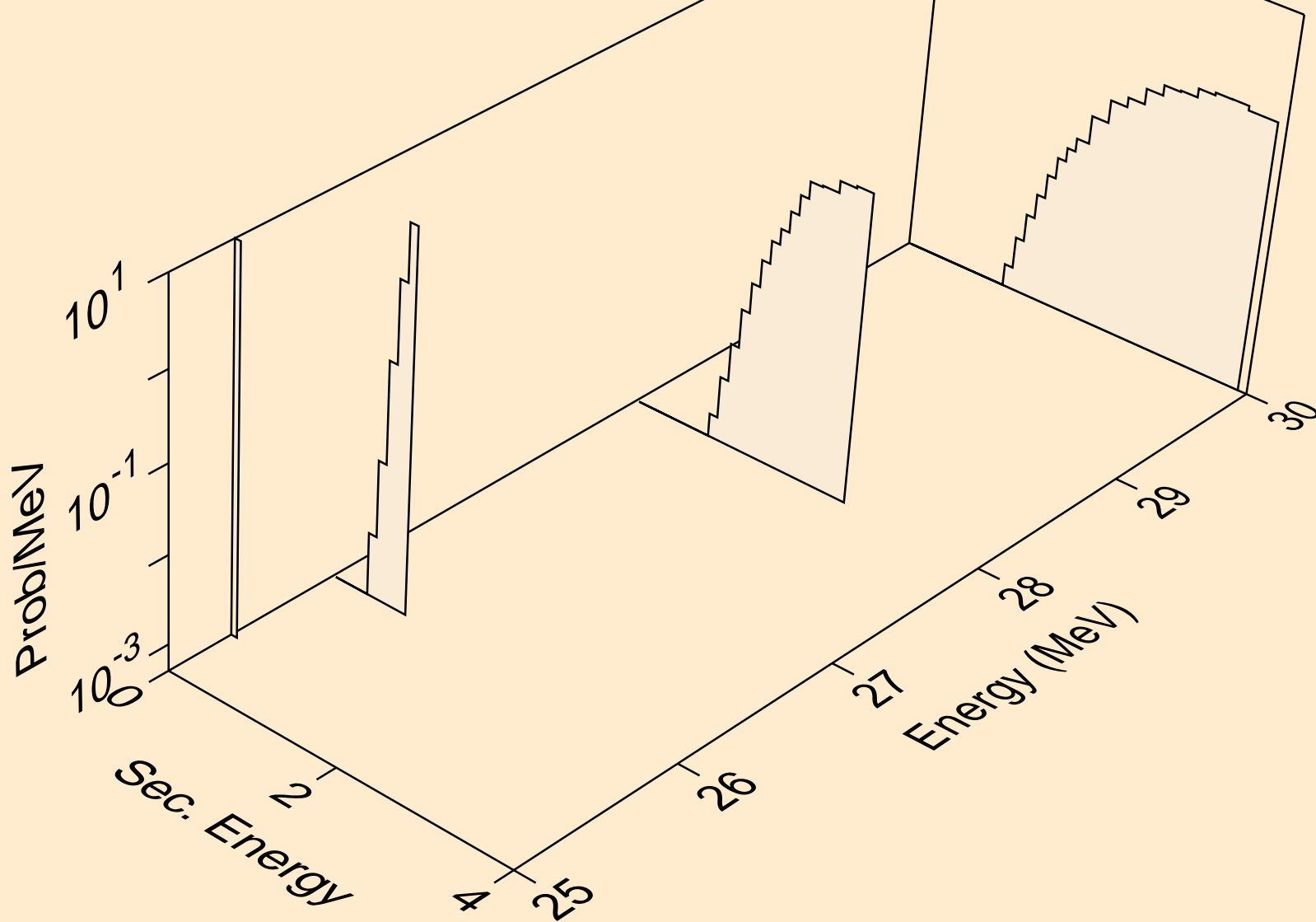


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

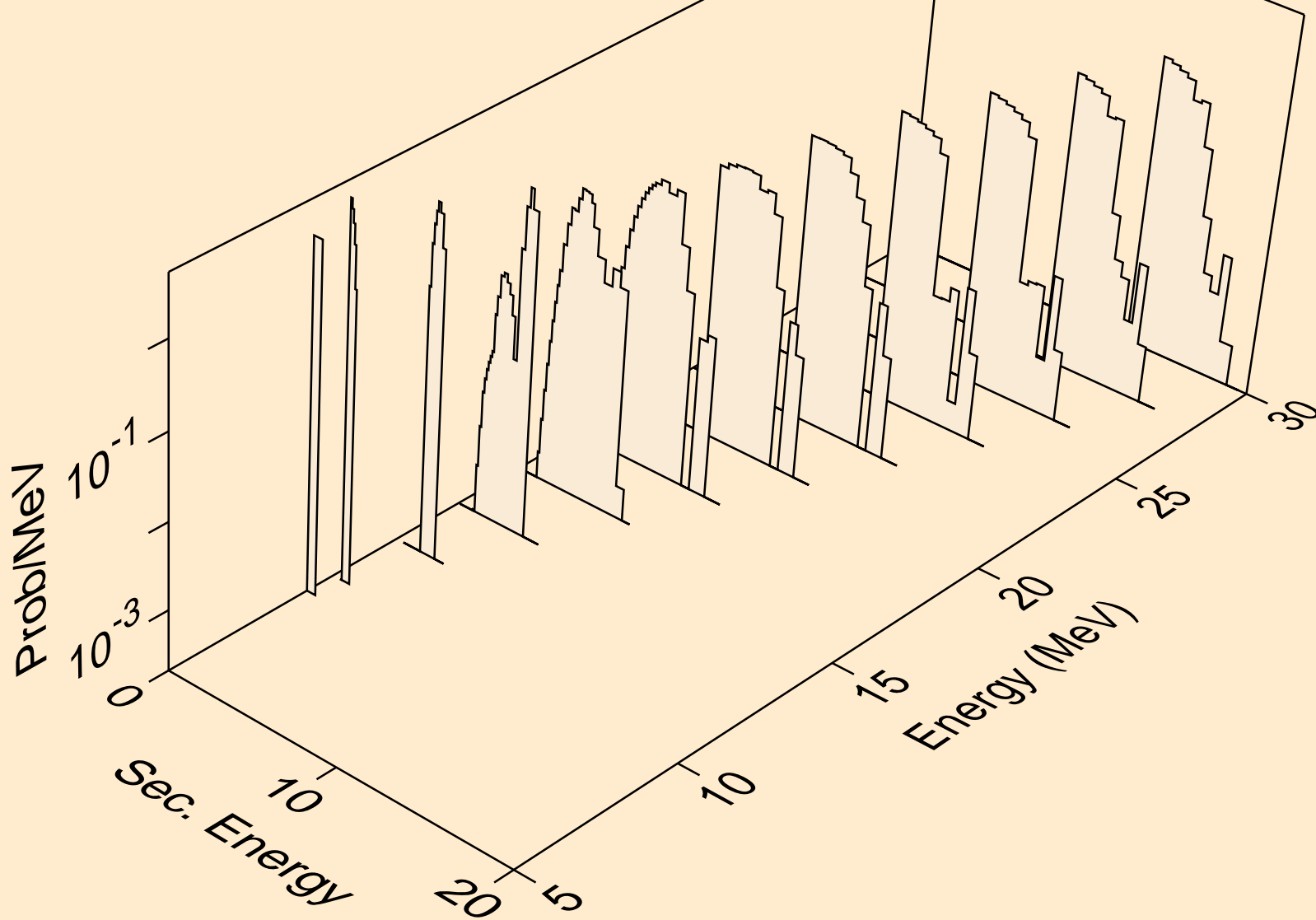




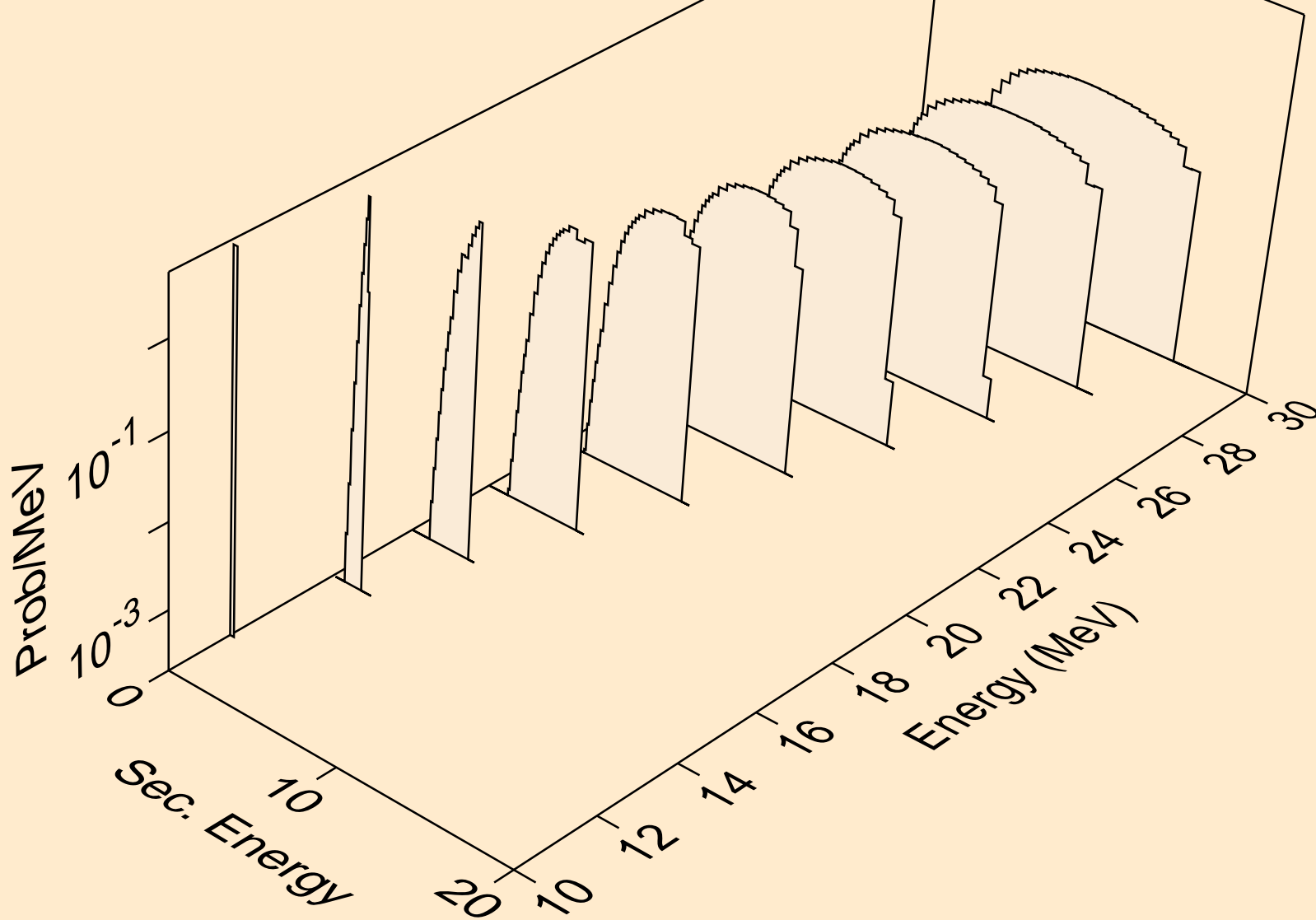
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tritons from (n,n\*)t



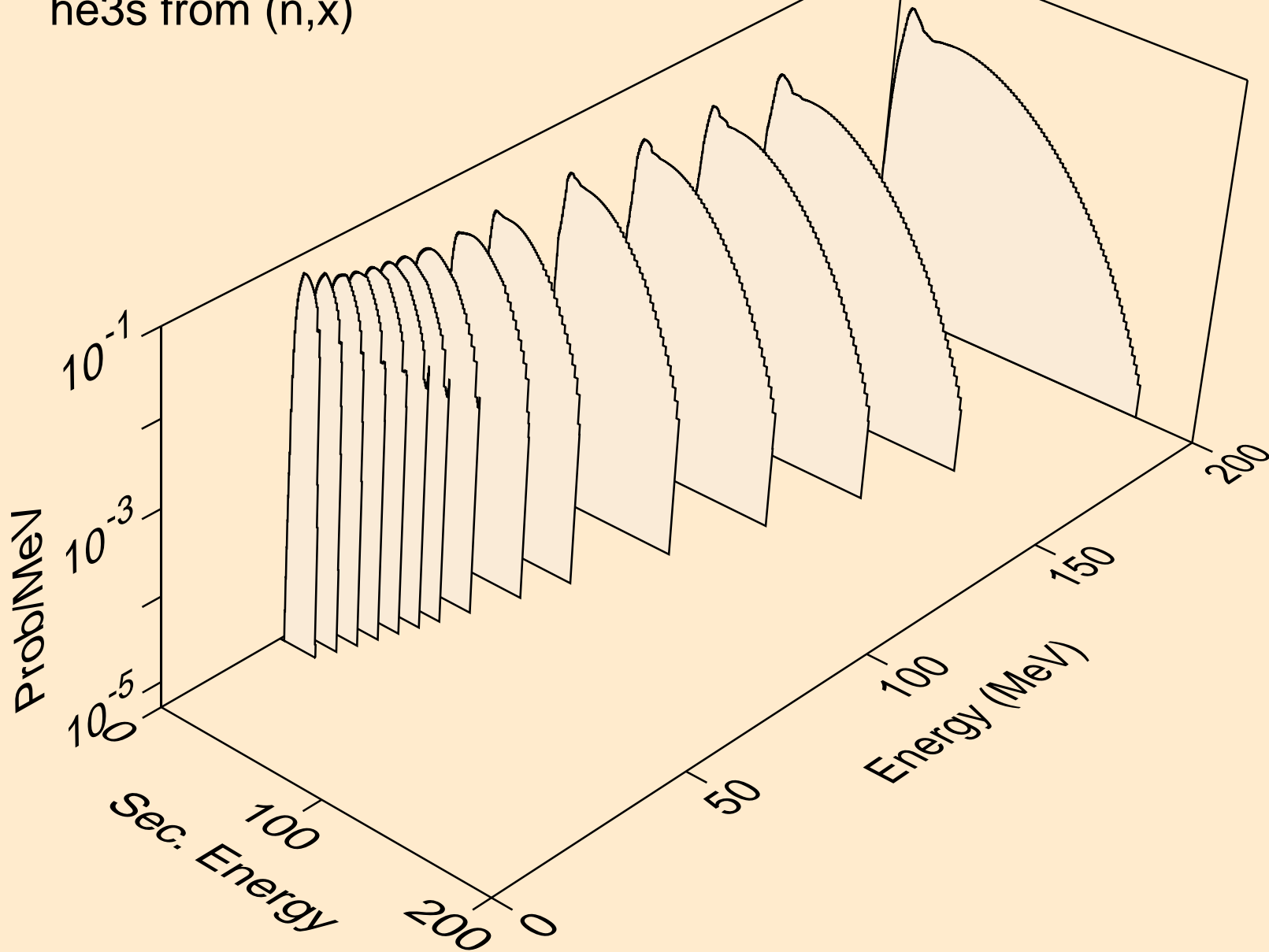
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tritons from (n,t)



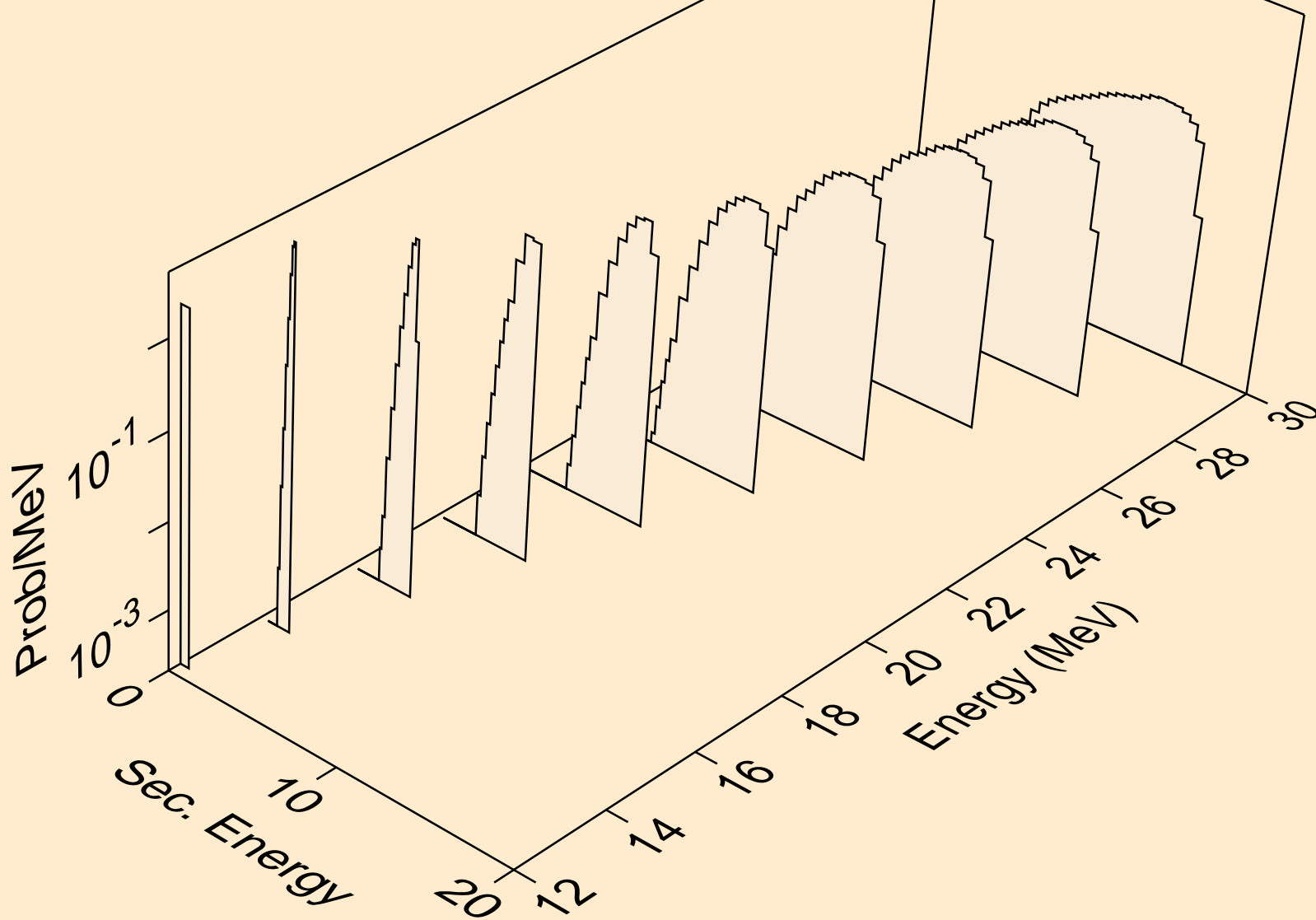
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tritons from (n,pt)



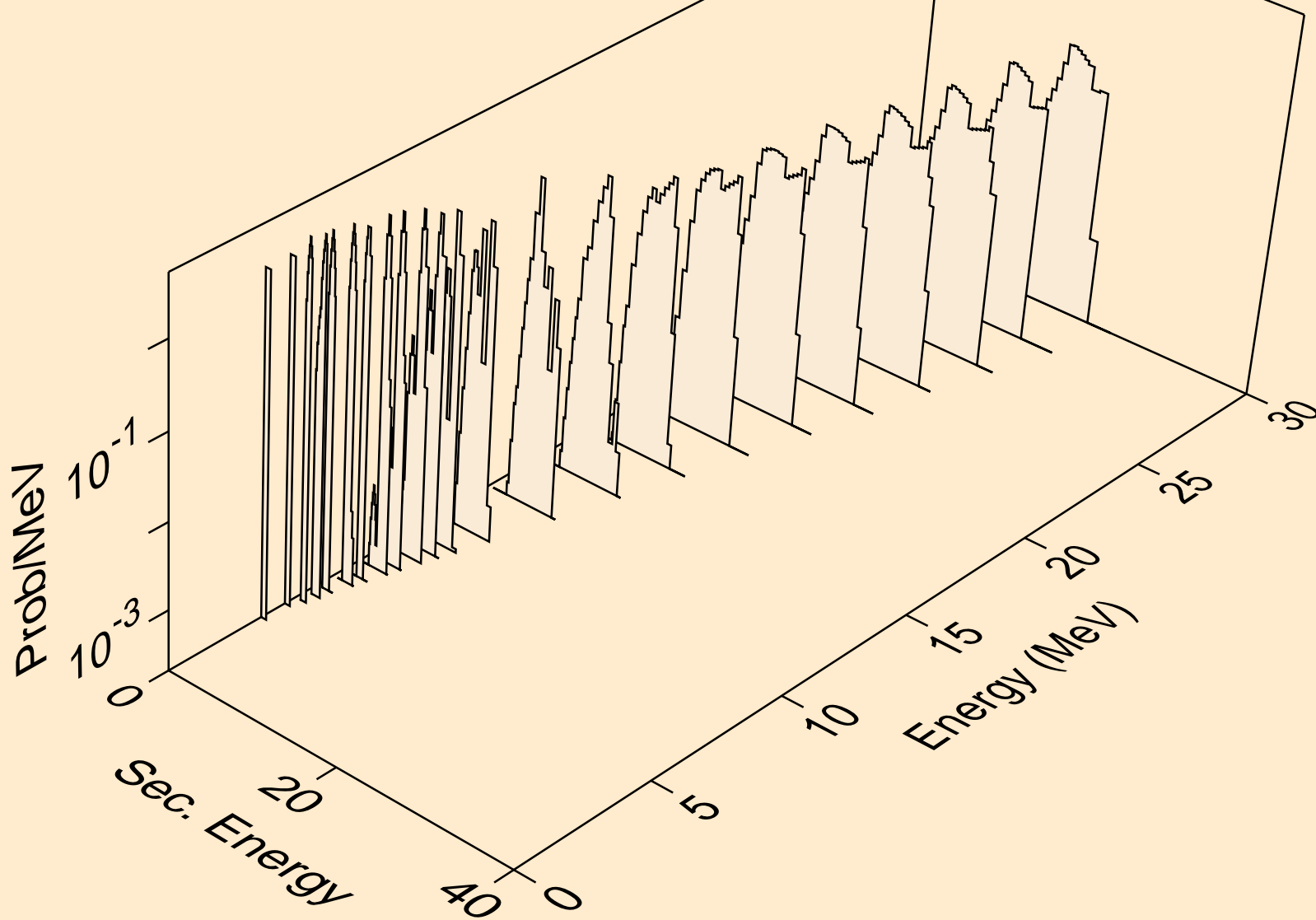
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he3s from (n,x)



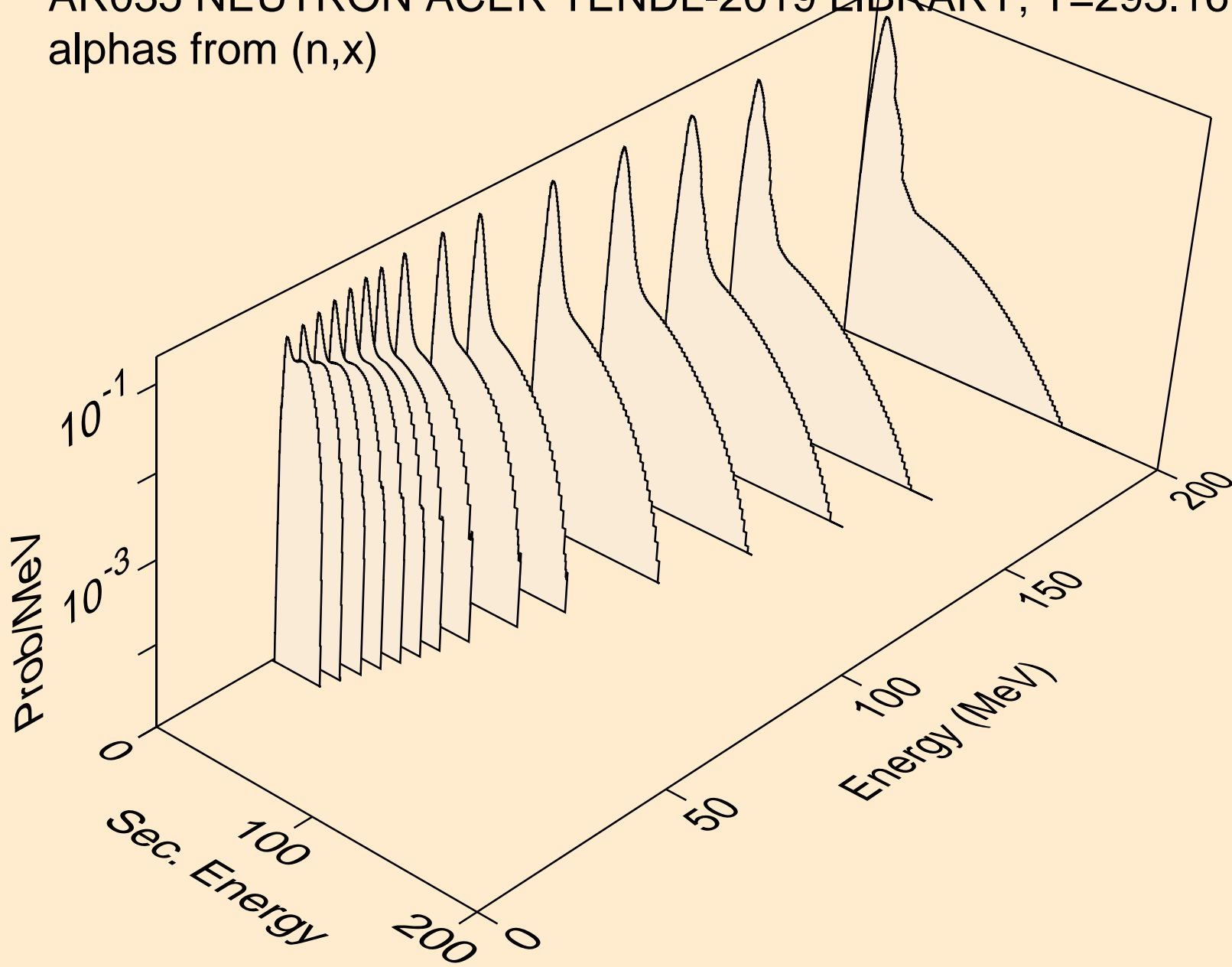
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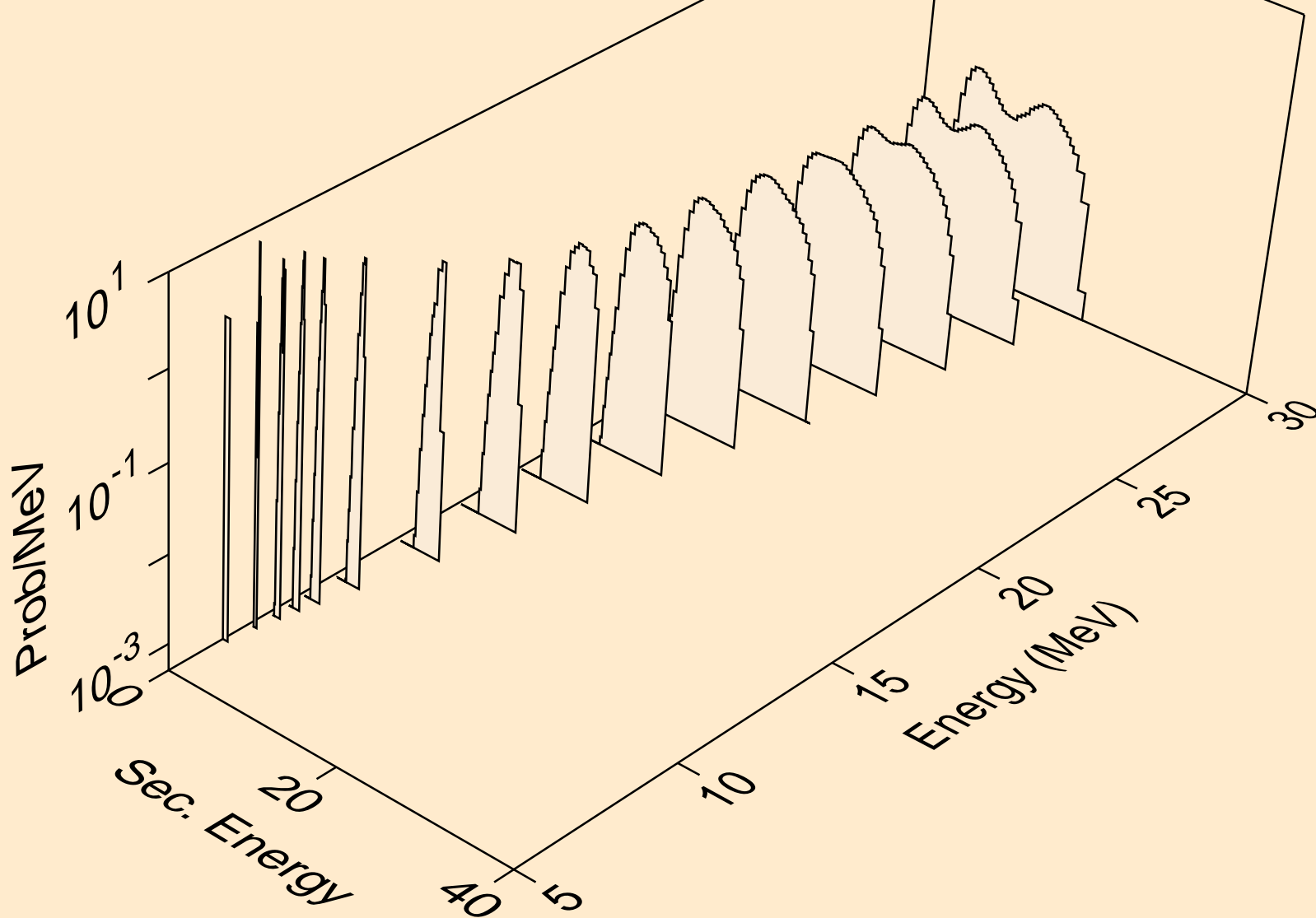
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he3s from (n,he3)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

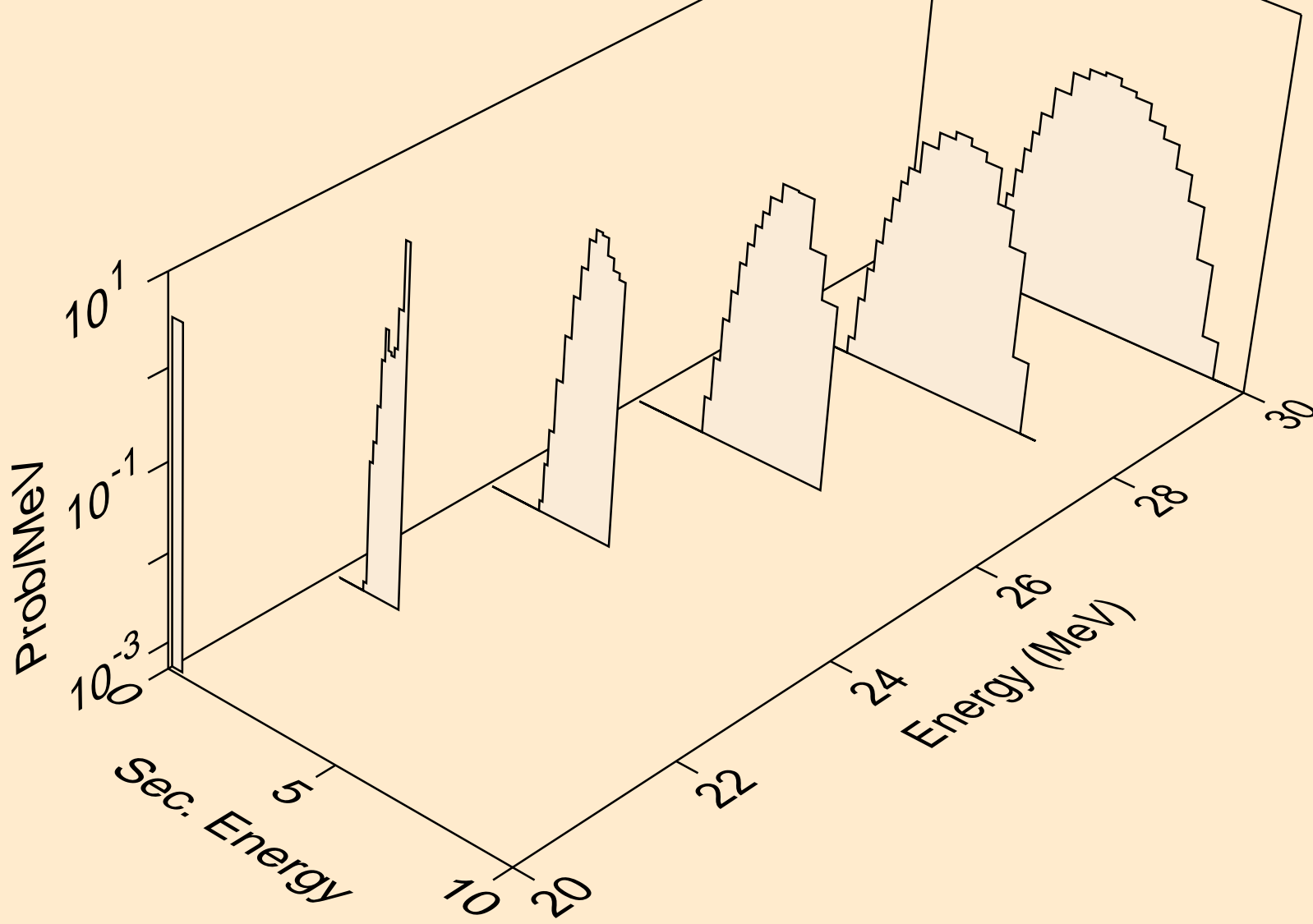


AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

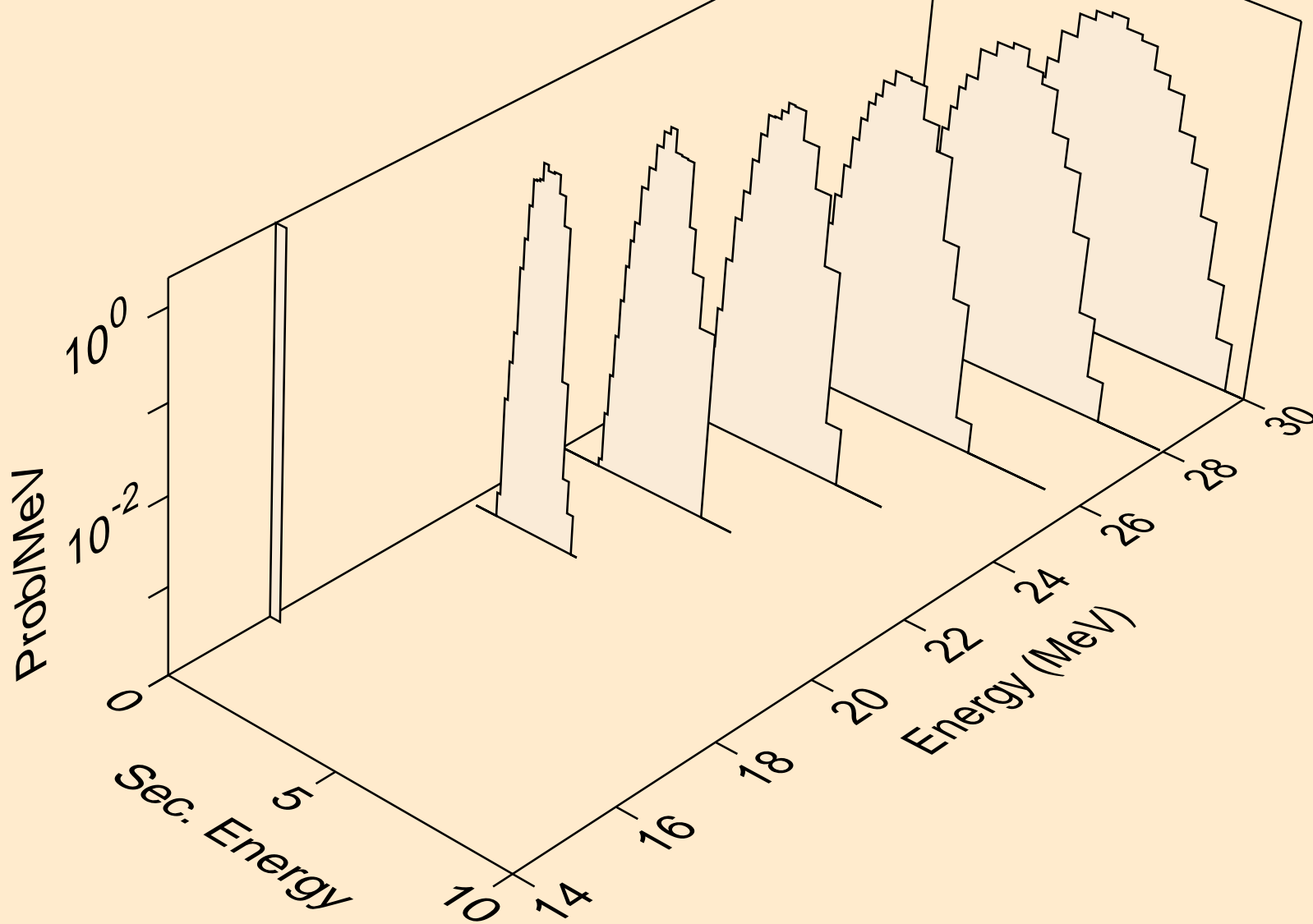




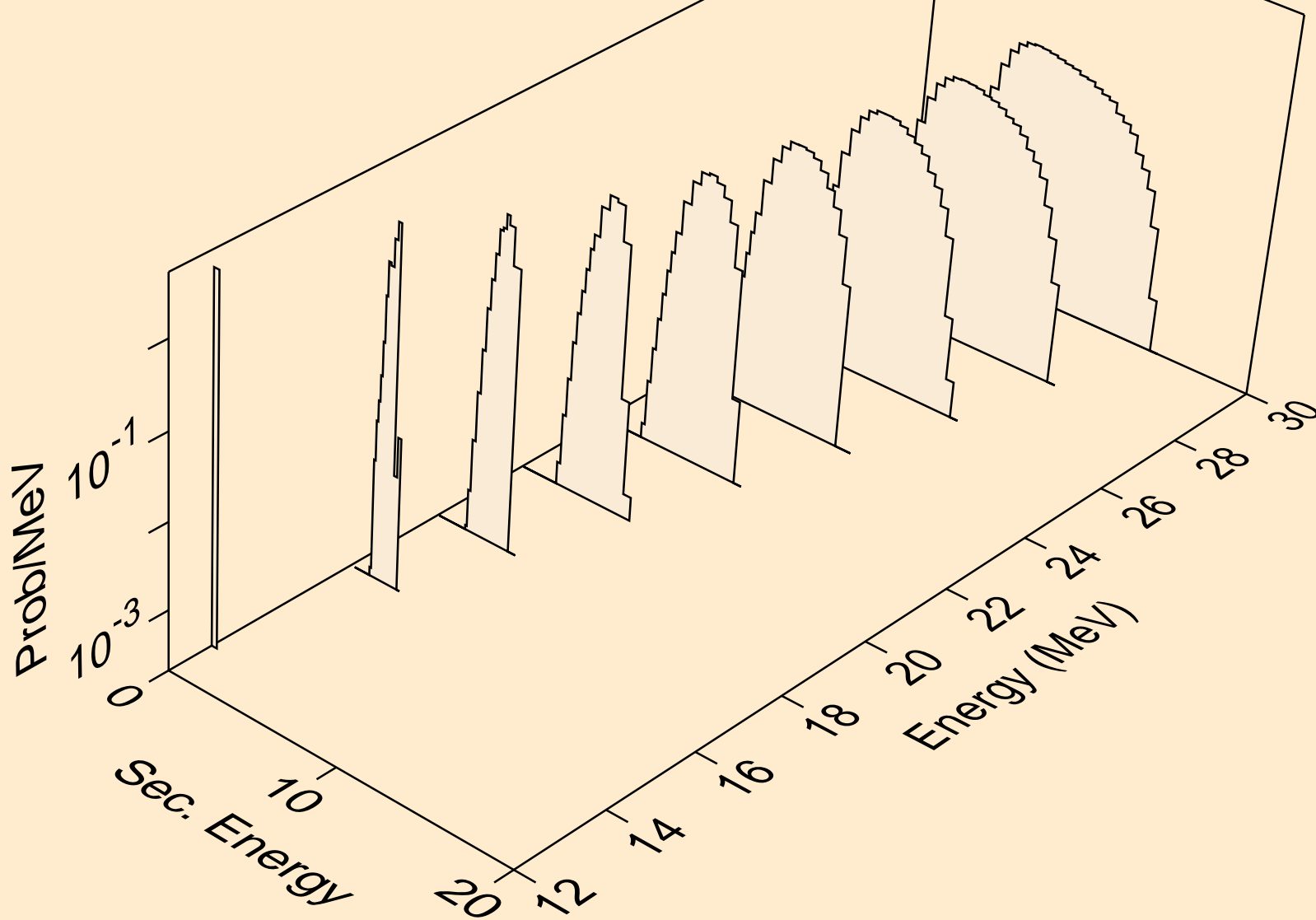
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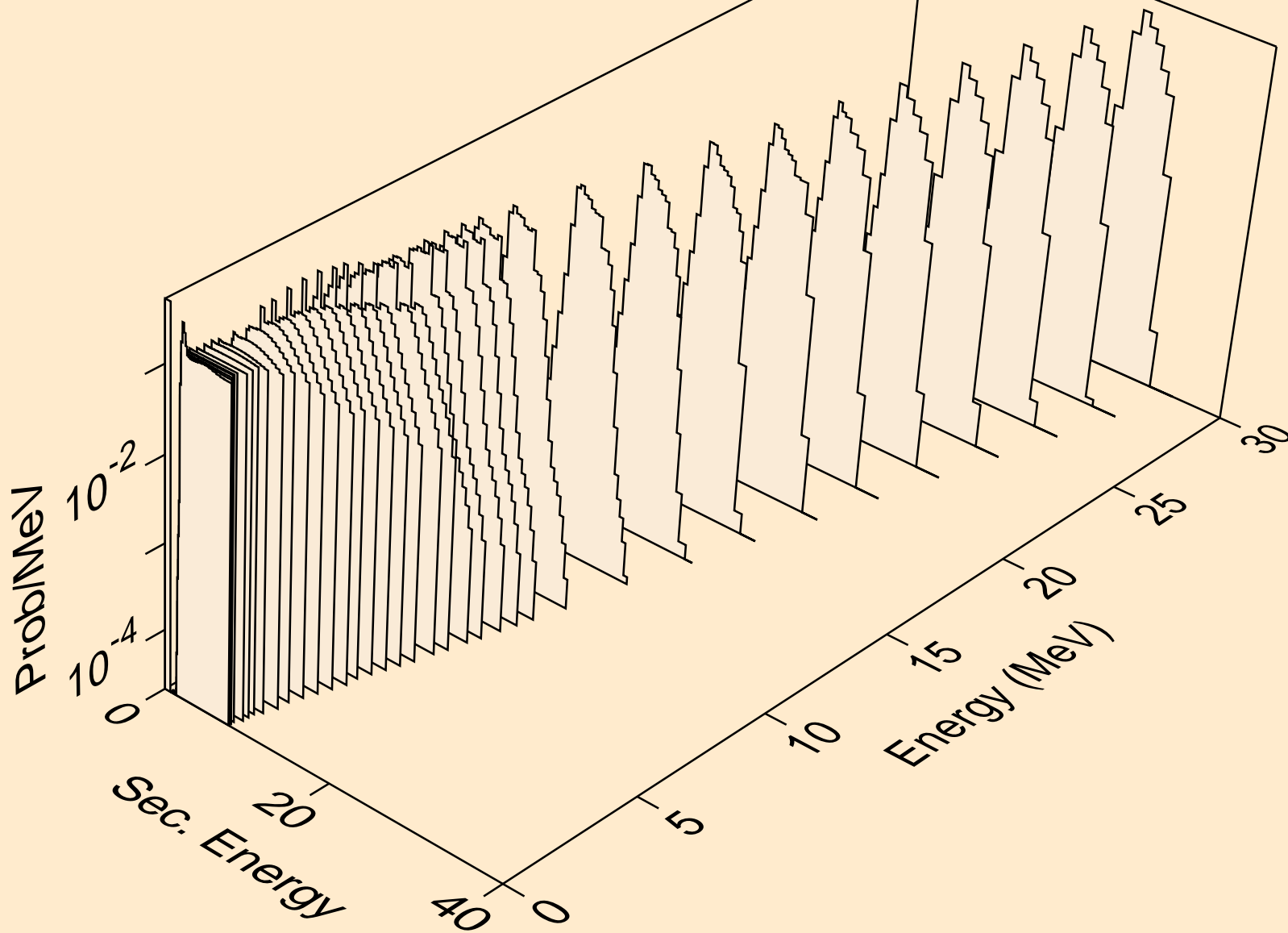
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alphas from (n,n\*)2a



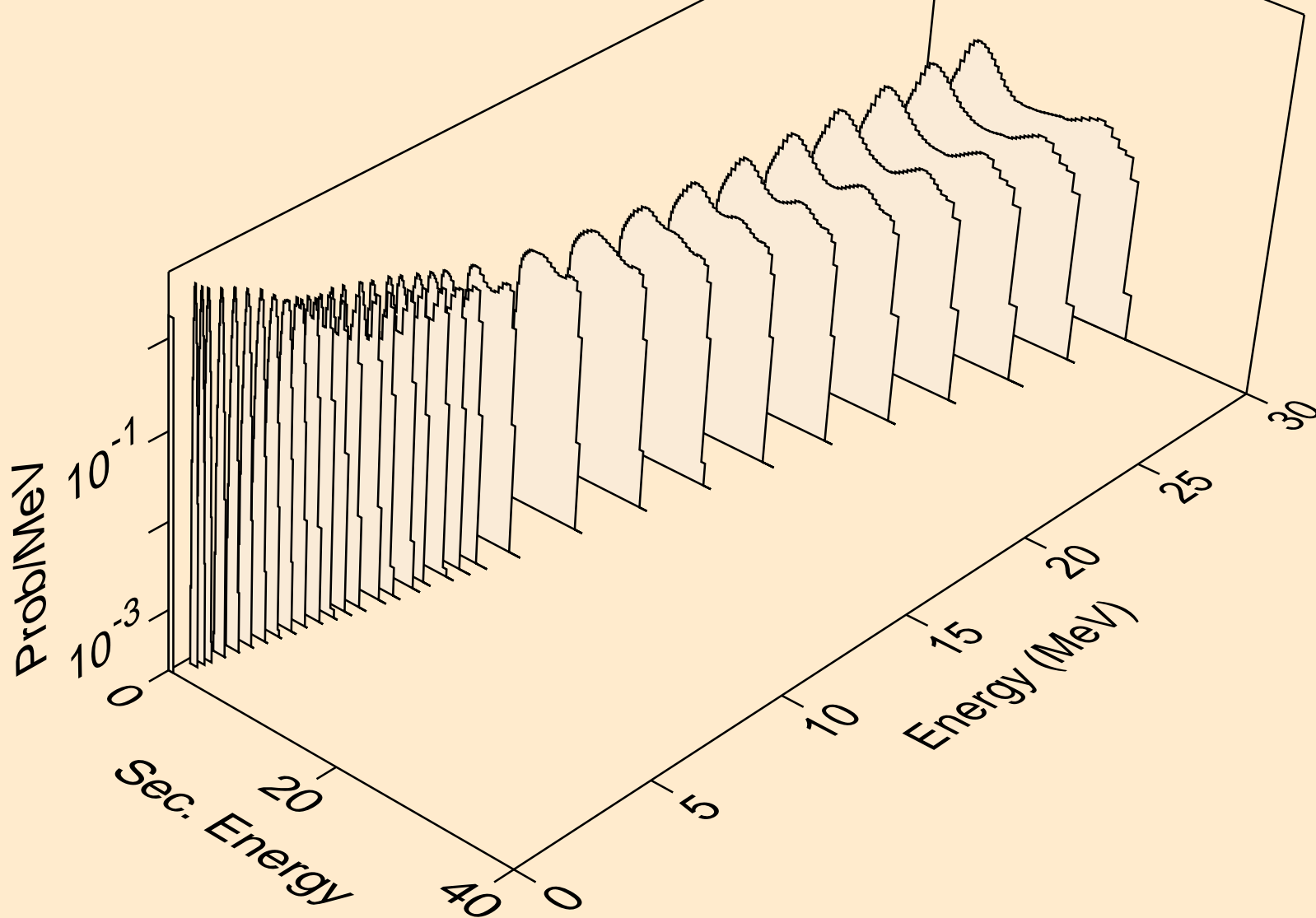
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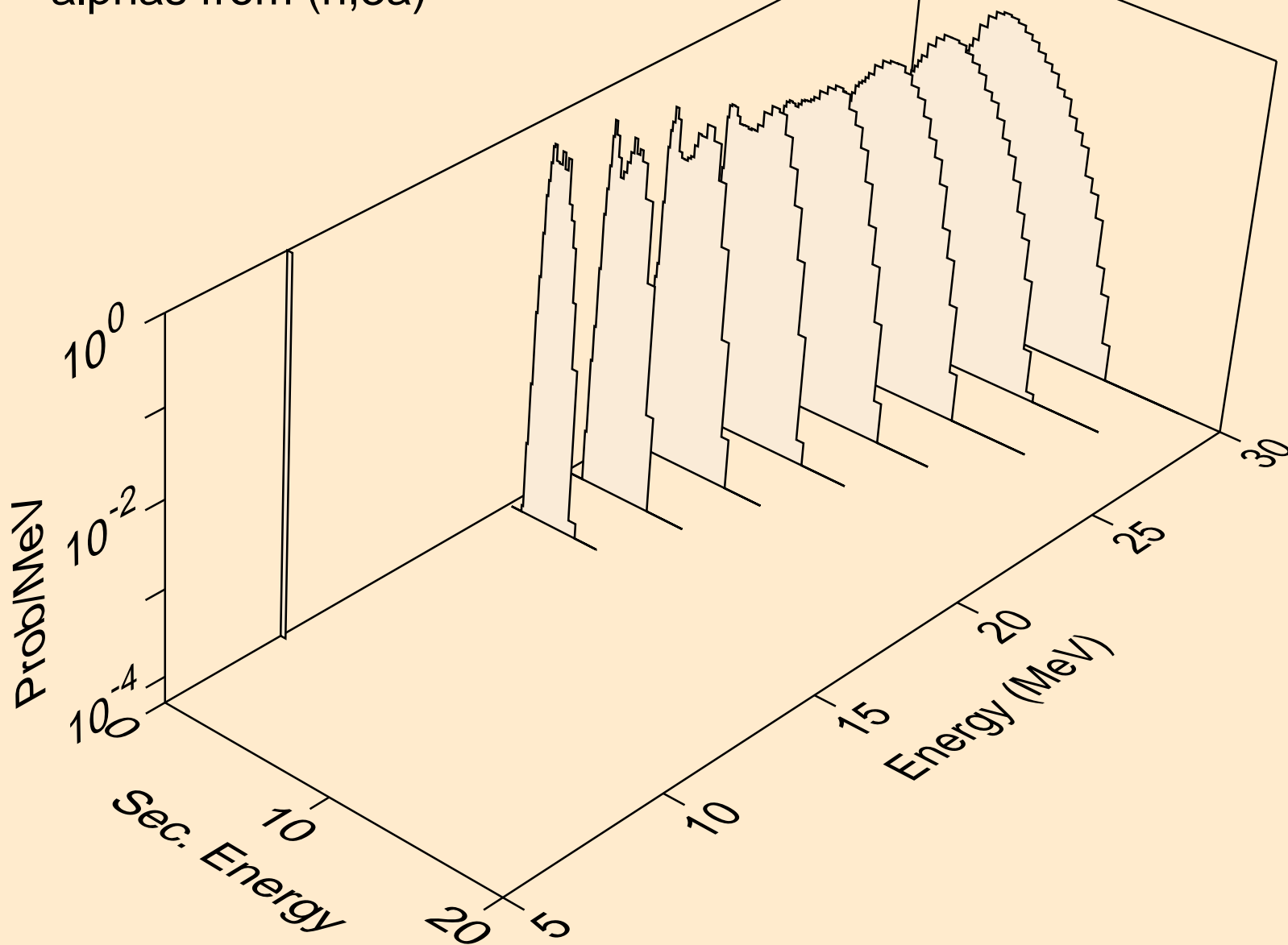
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alphas from (n,a)



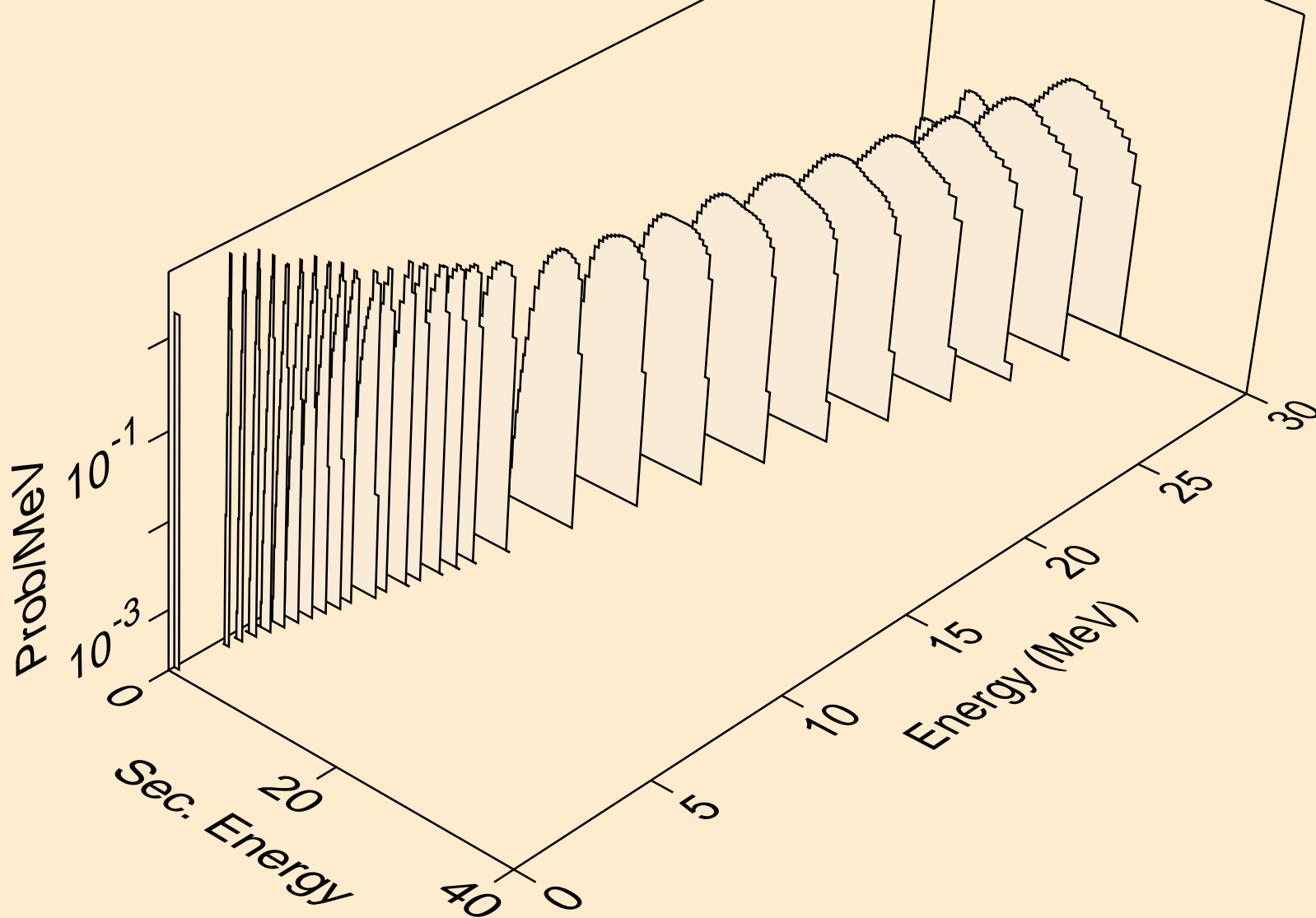
AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



AR035 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

