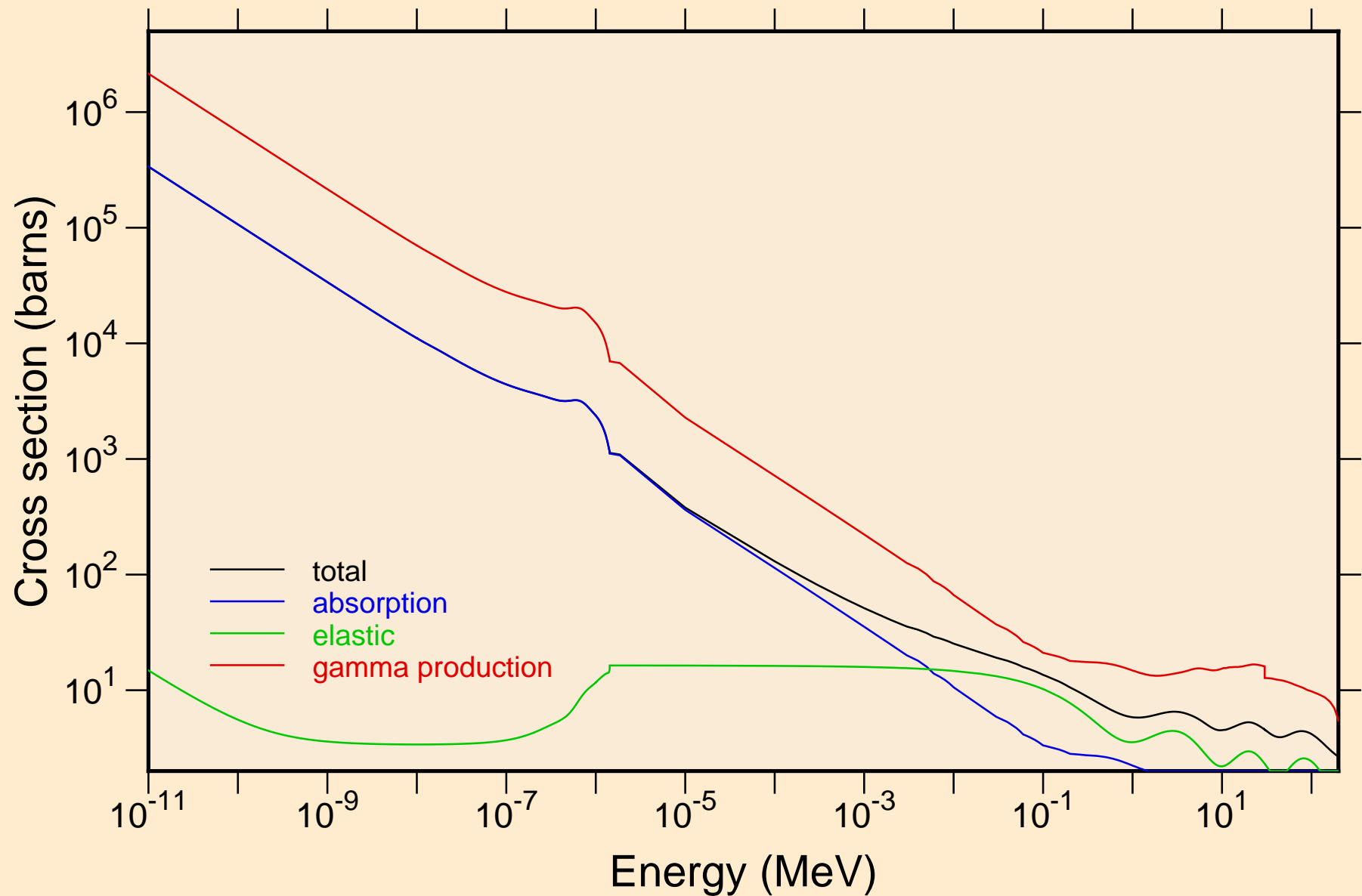
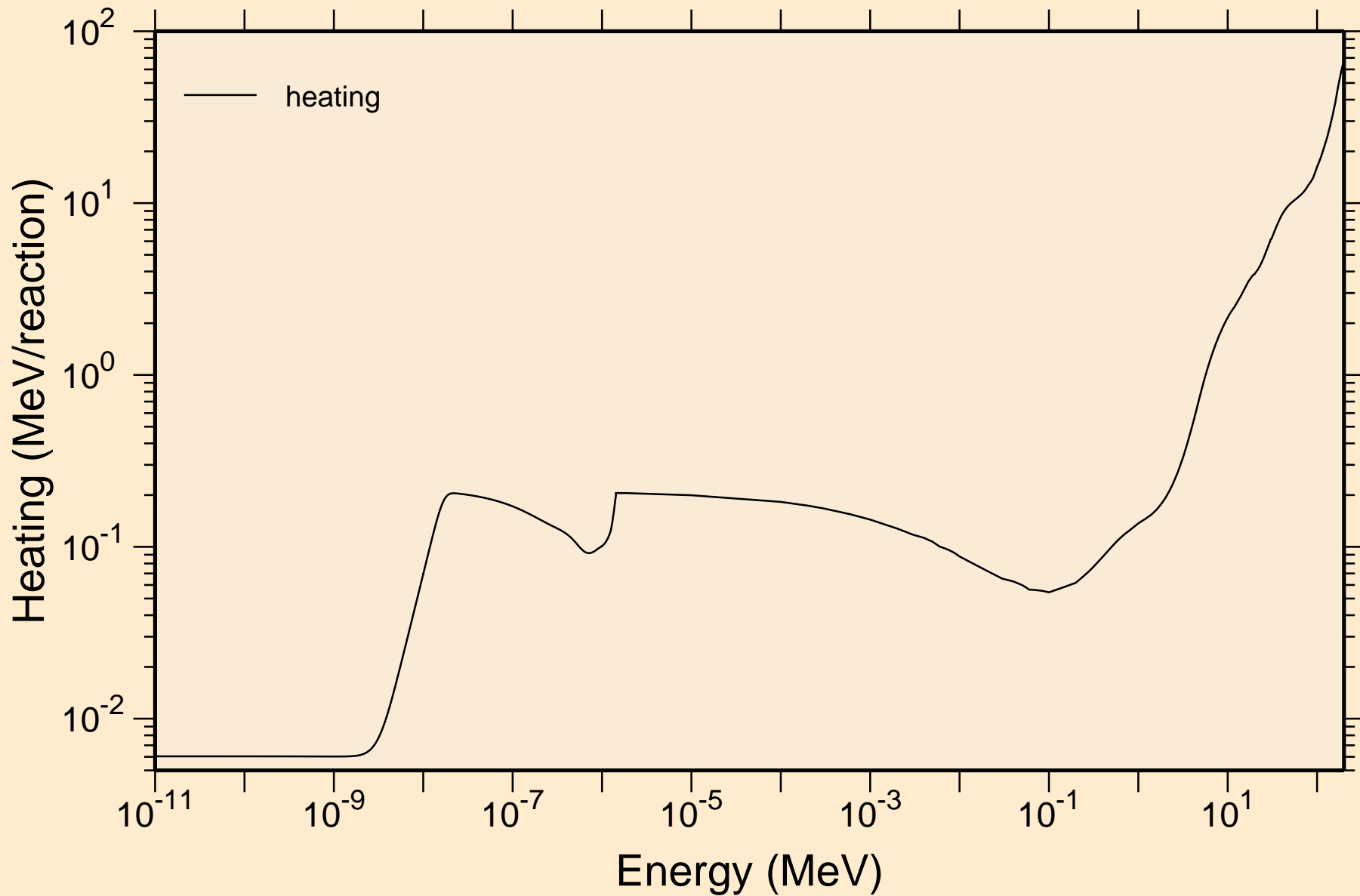


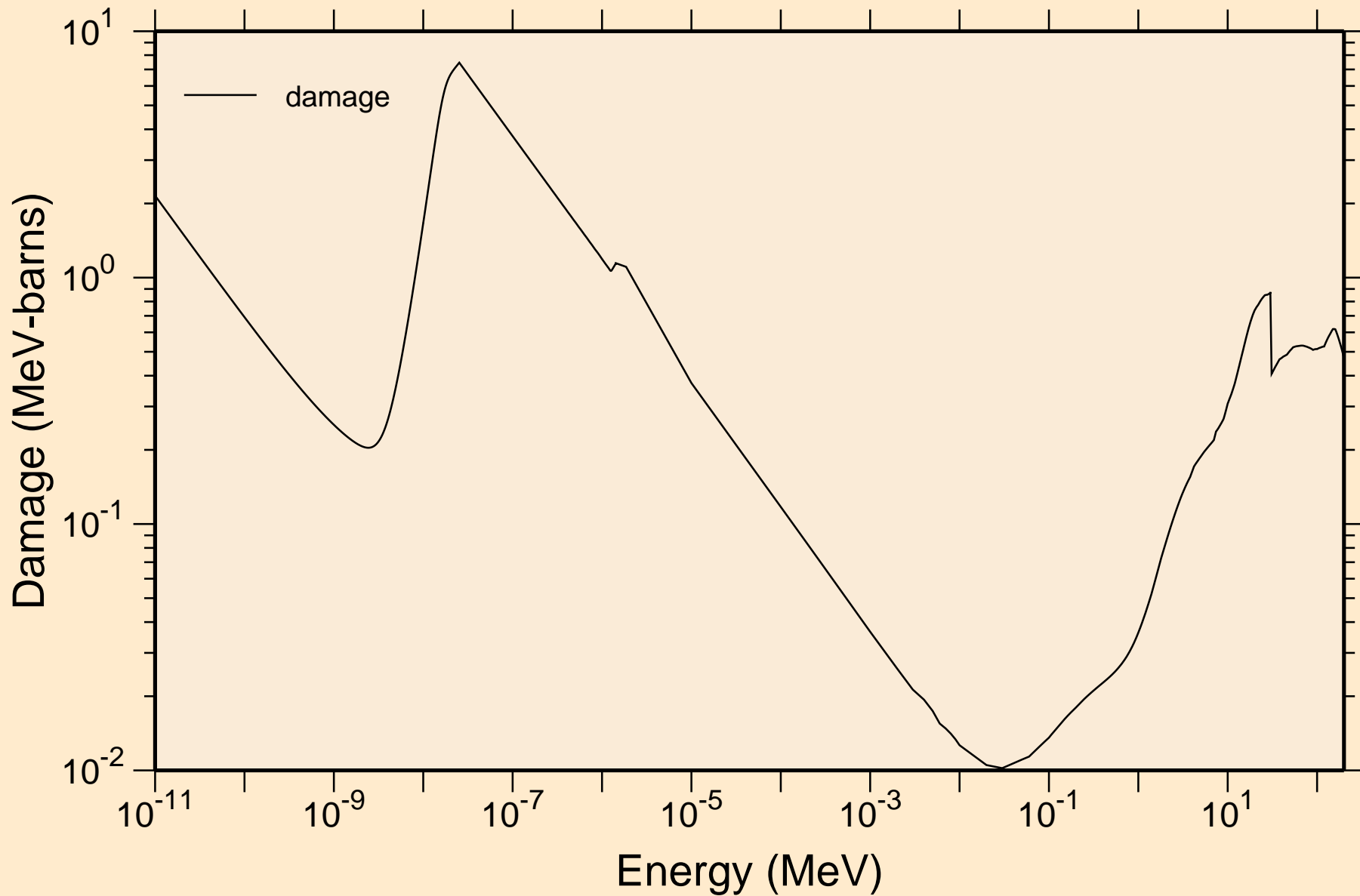
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Principal cross sections



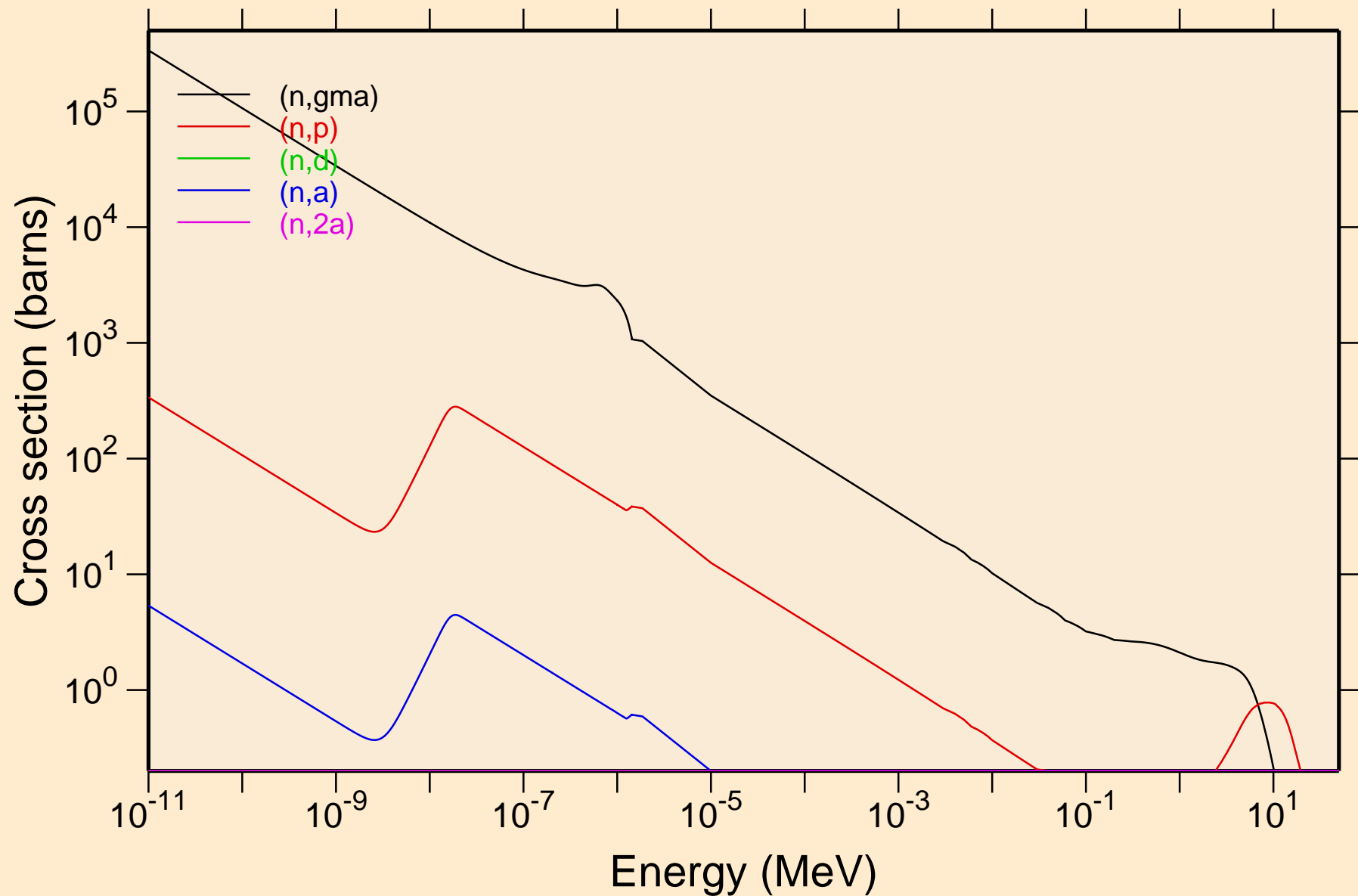
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Heating



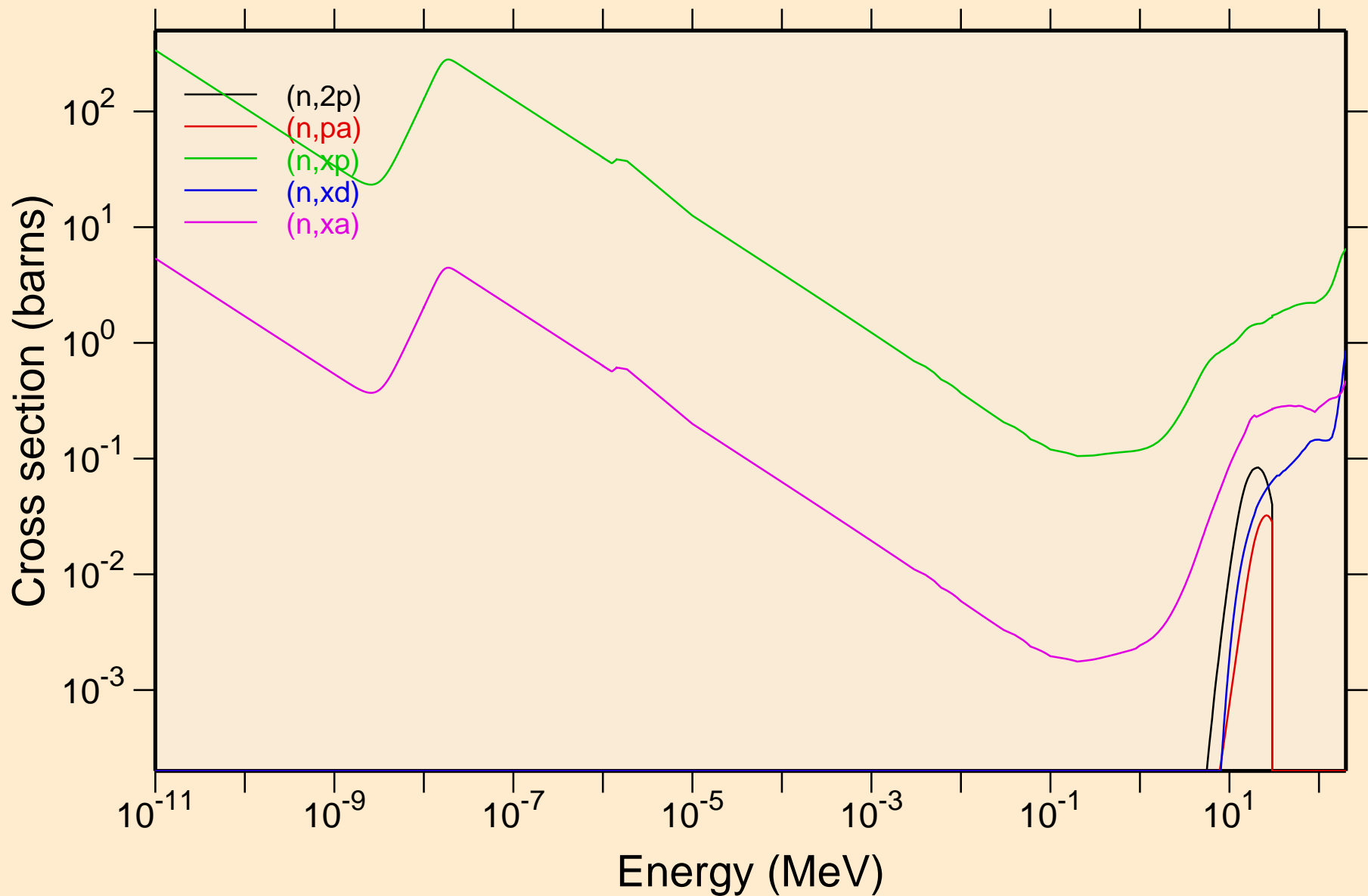
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Damage



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

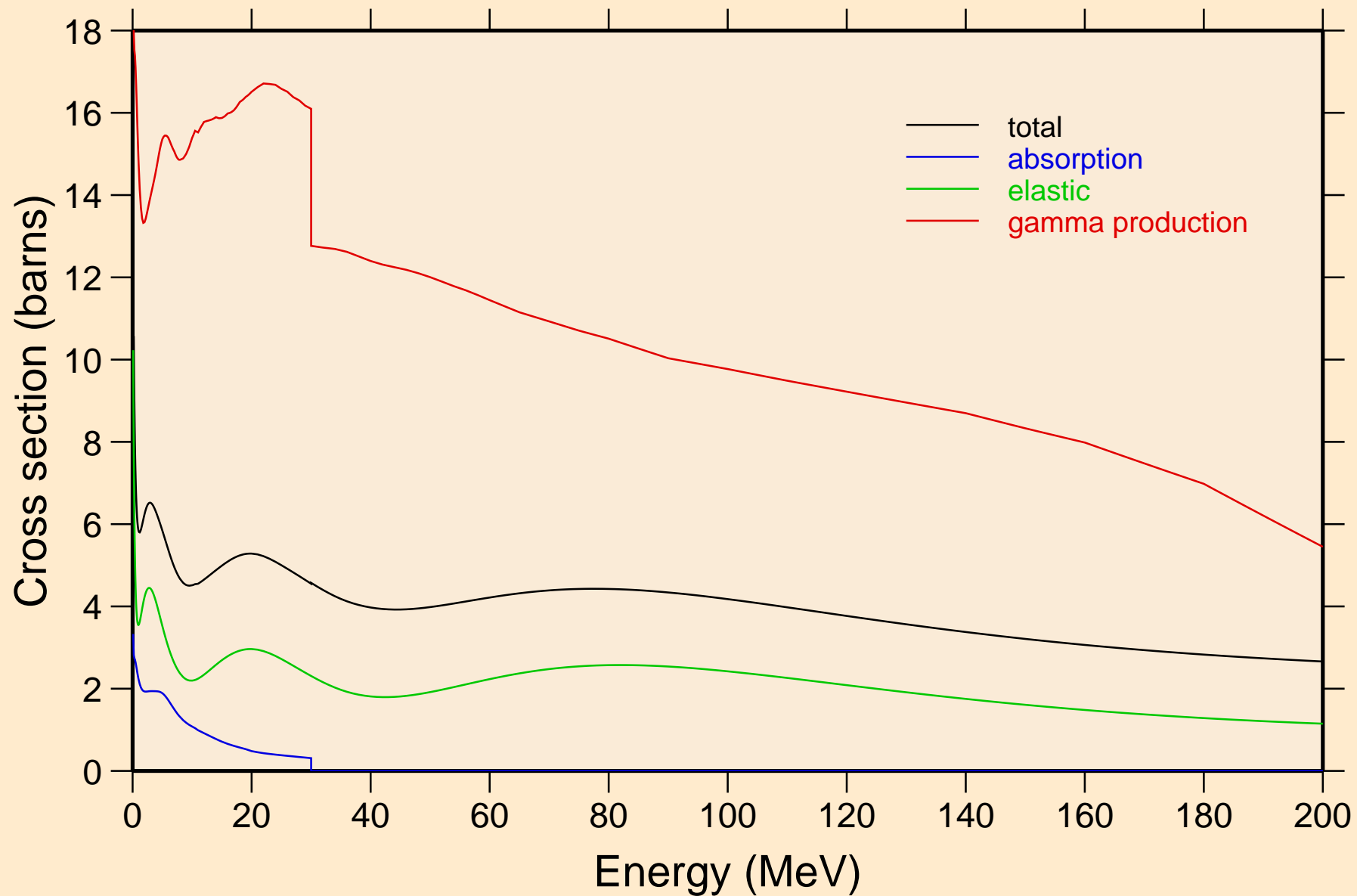


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Non-threshold reactions

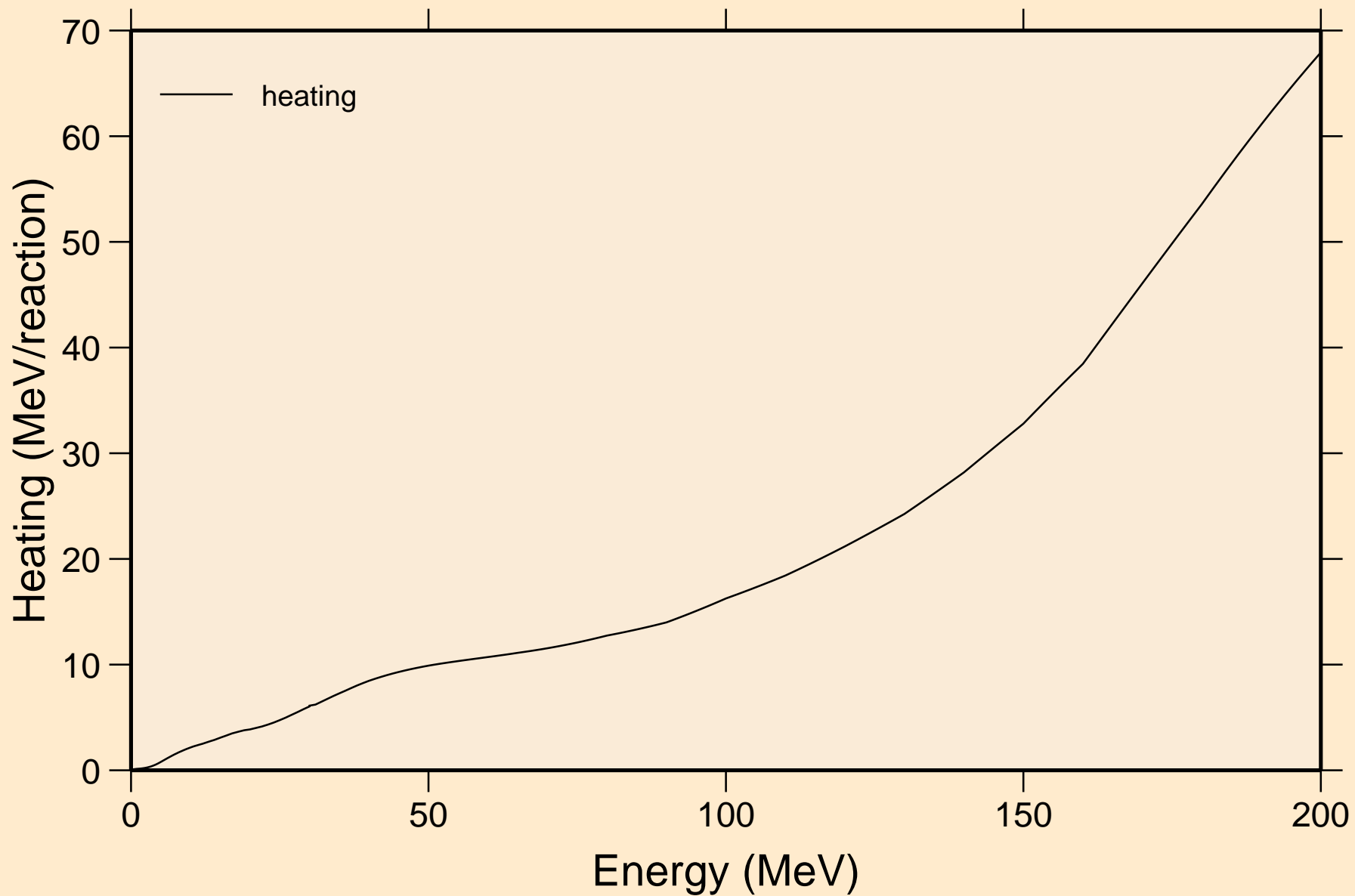


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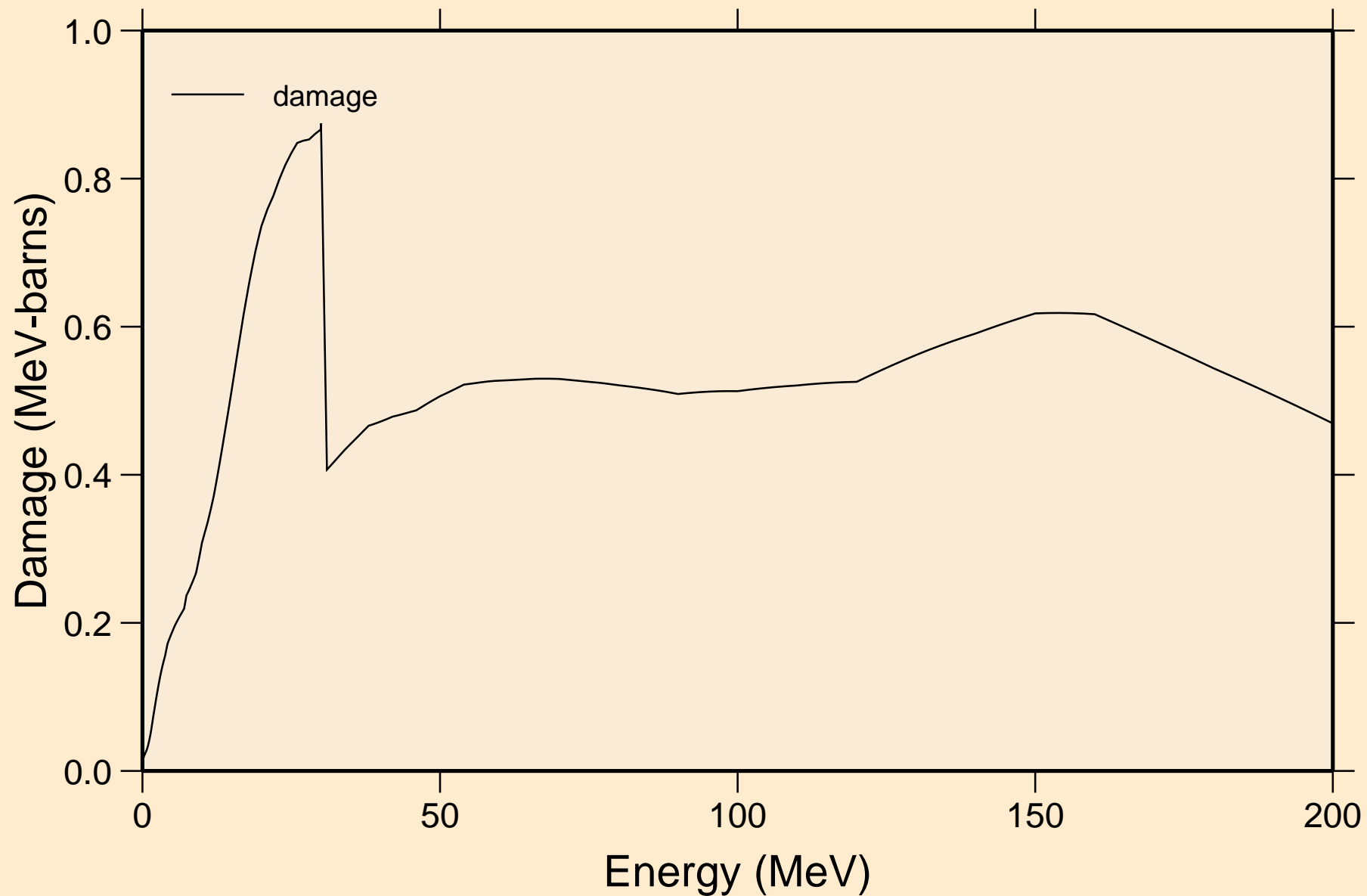
## Principal cross sections



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

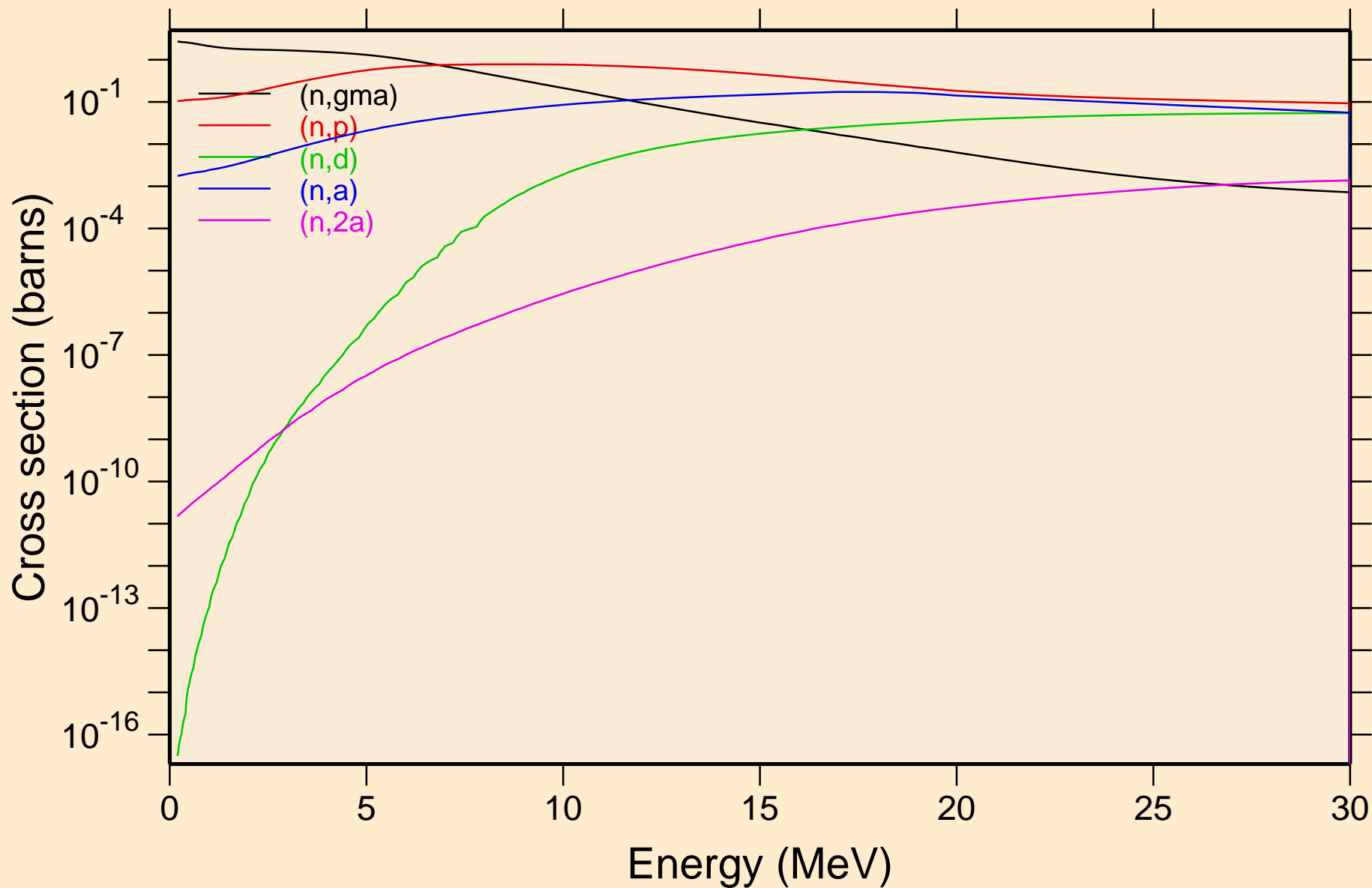


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Damage

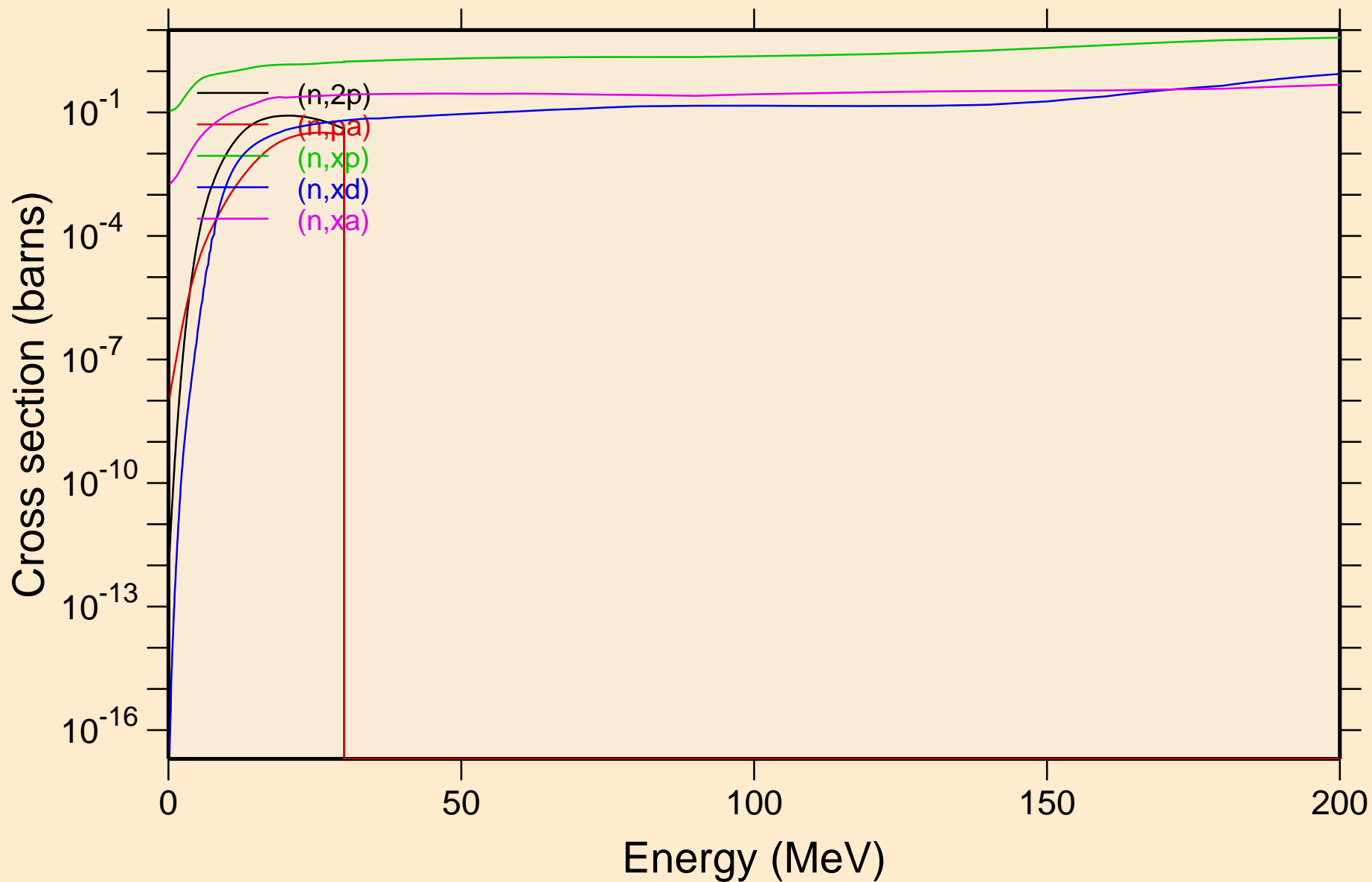




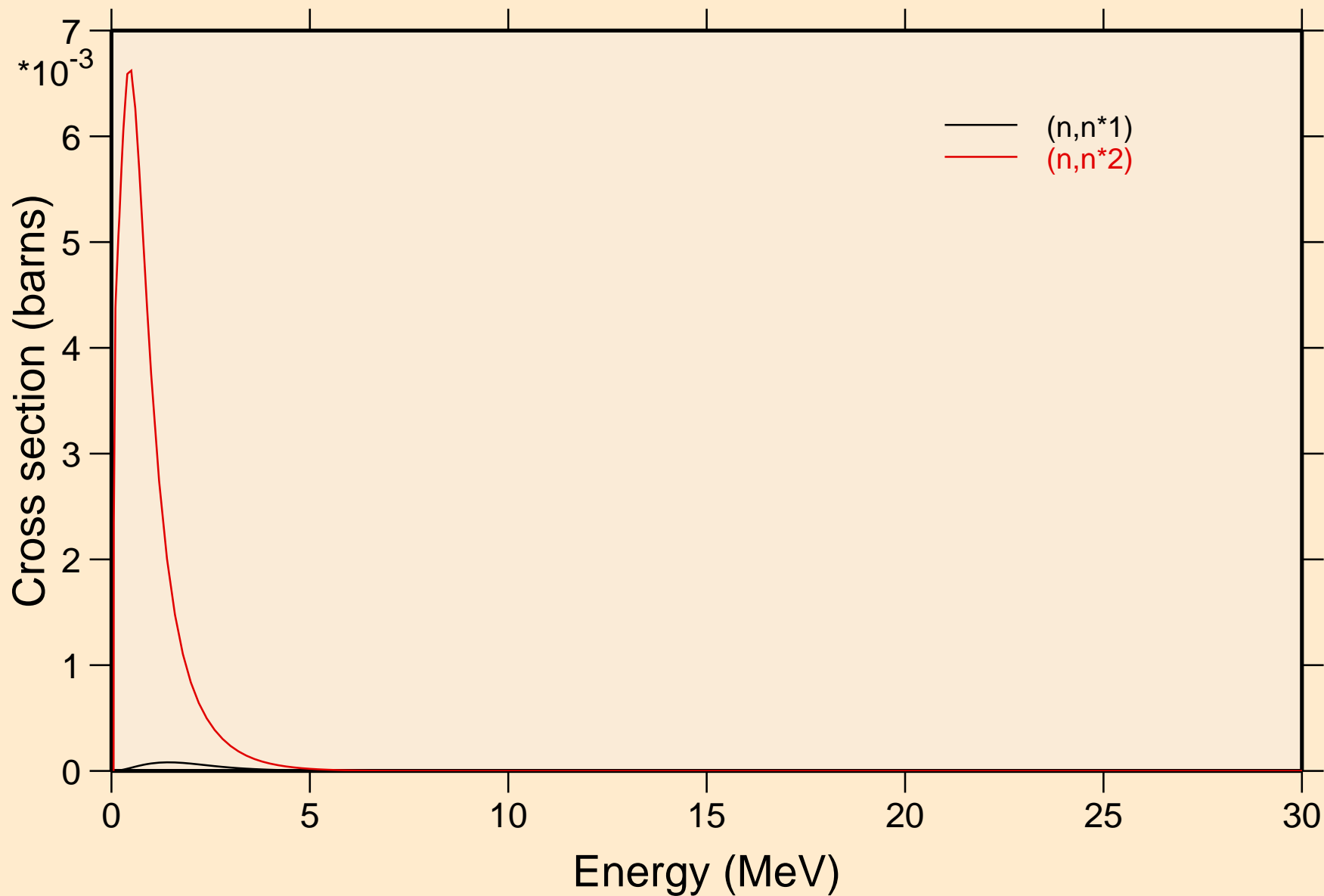
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Non-threshold reactions



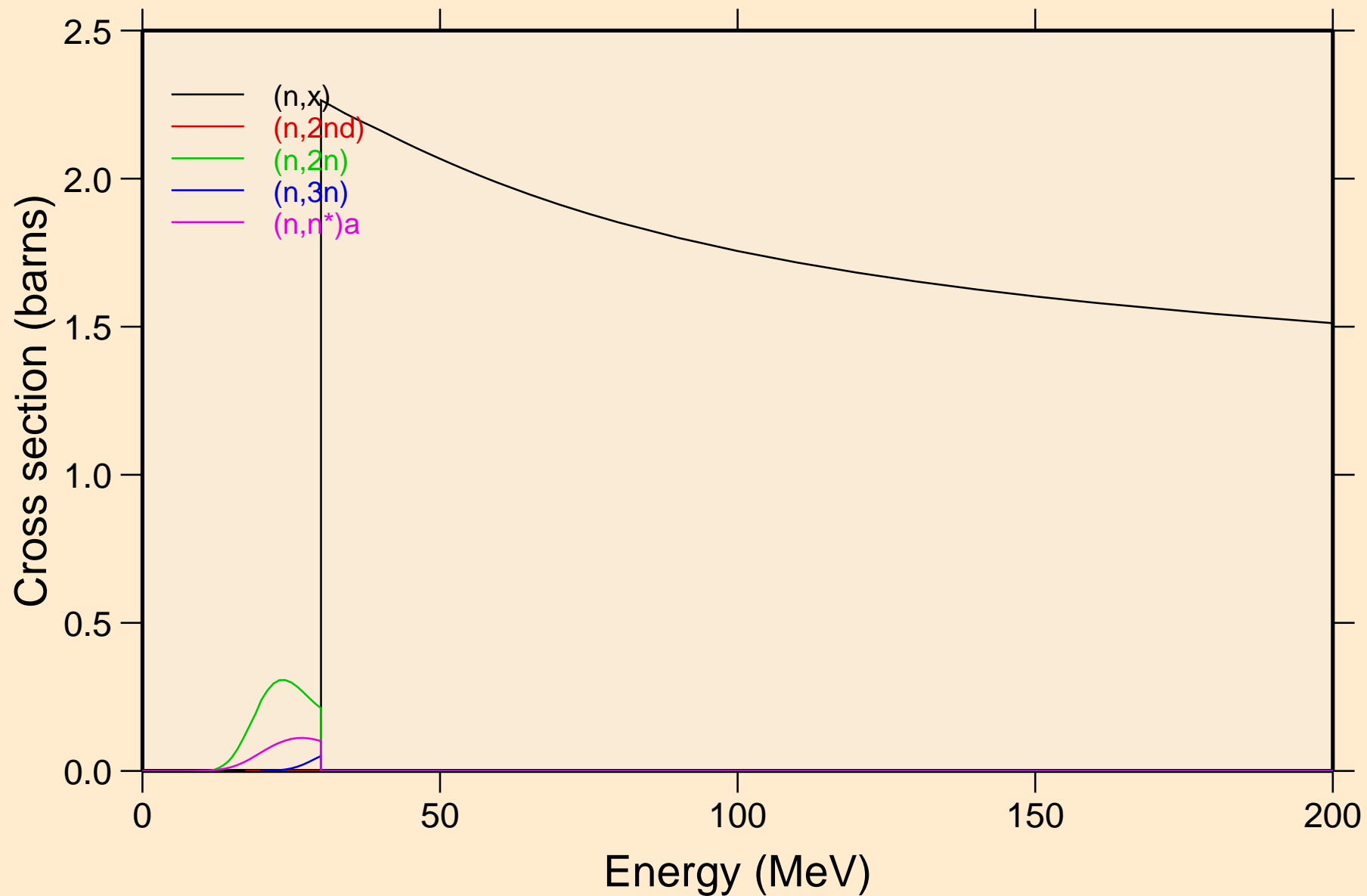
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Non-threshold reactions



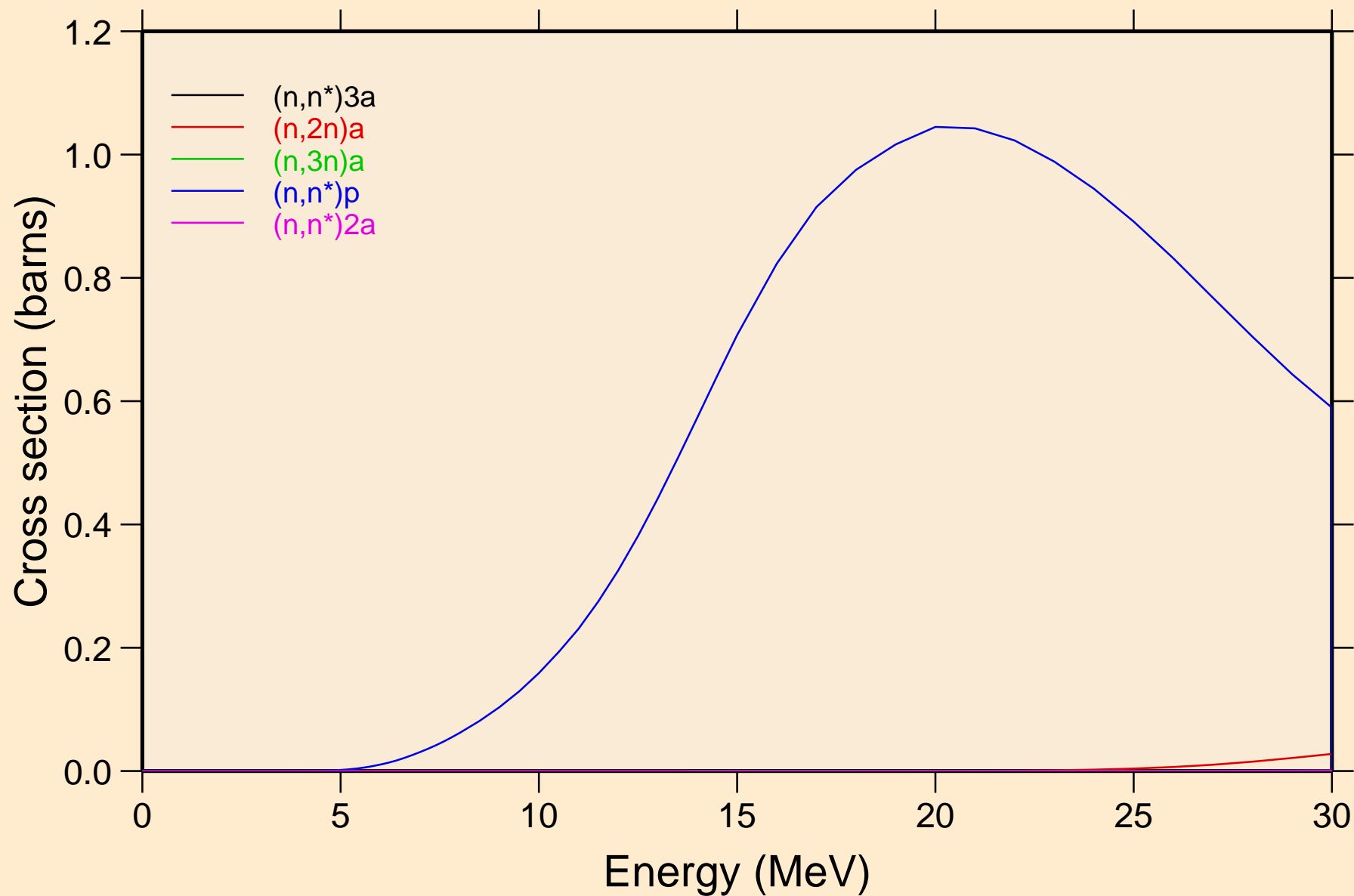
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Inelastic levels



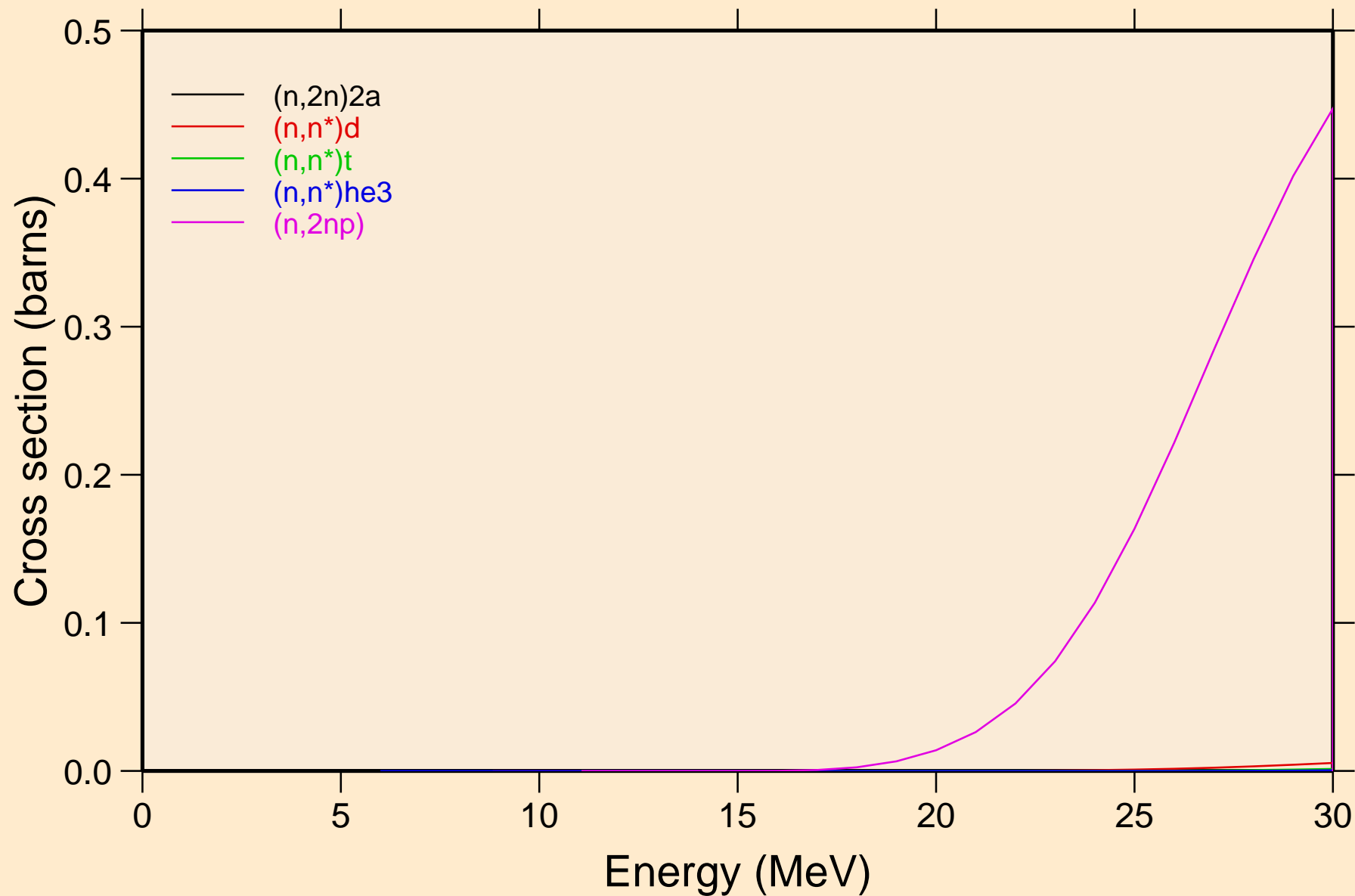
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Threshold reactions



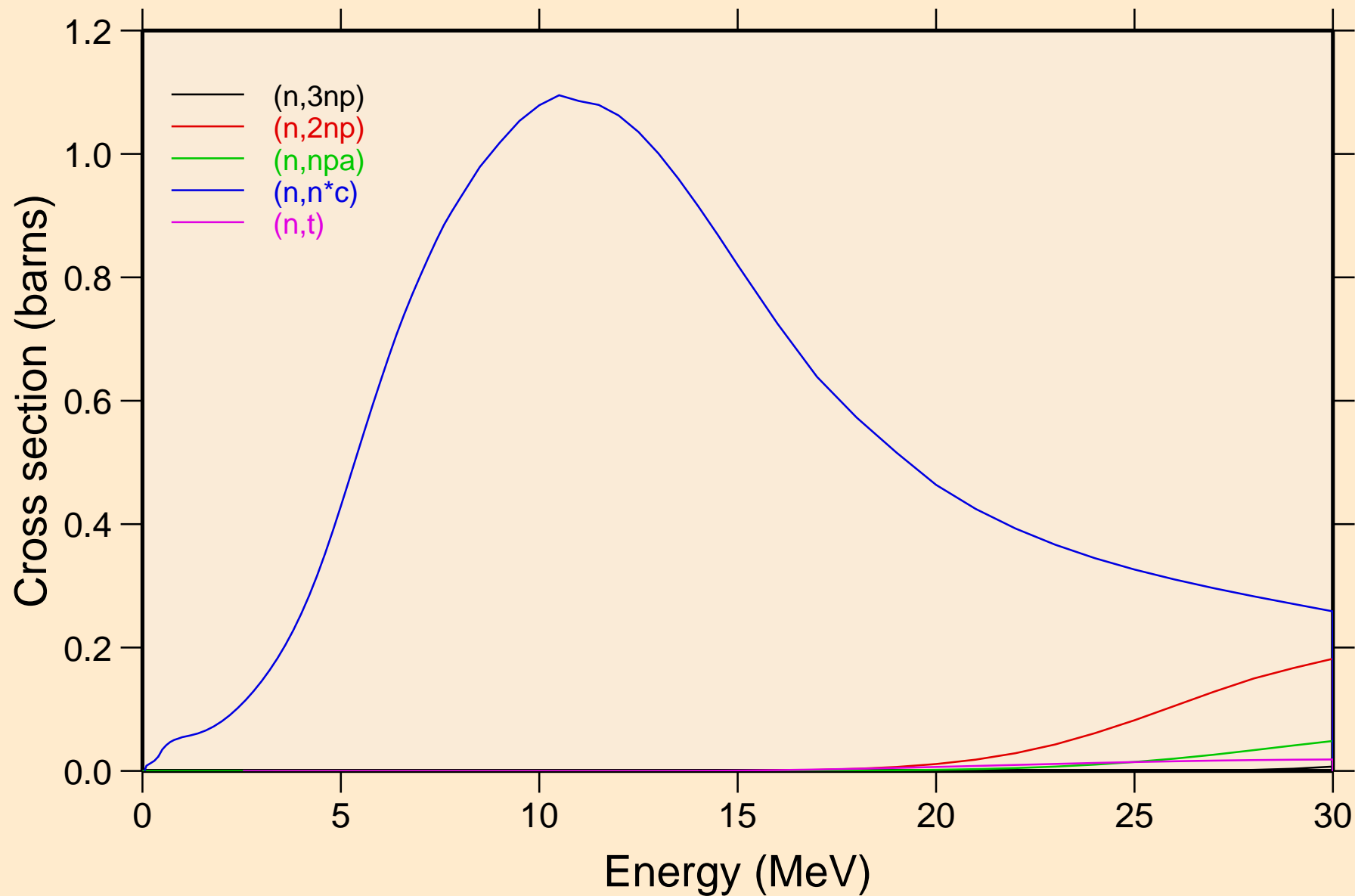
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Threshold reactions



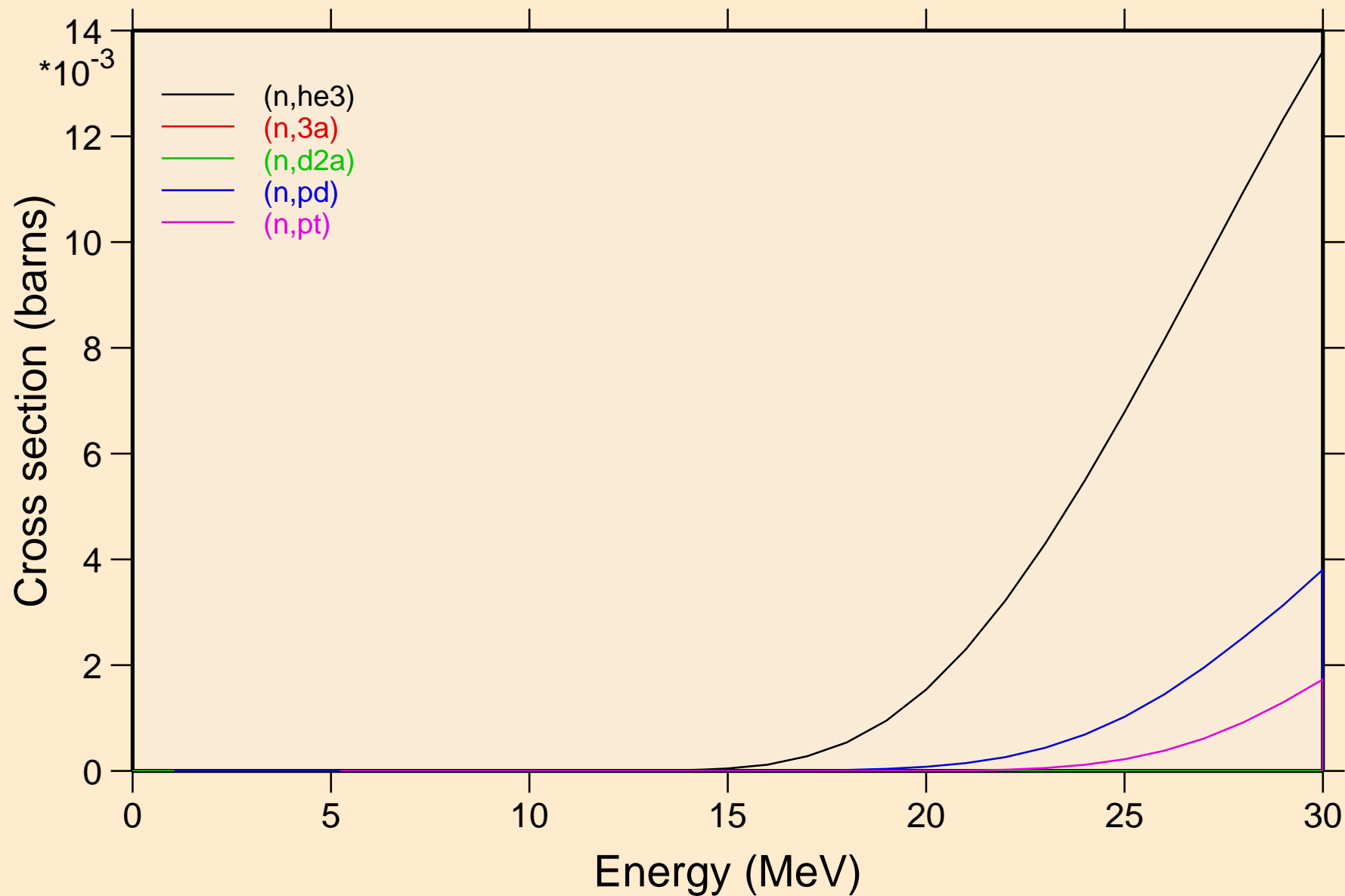
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Threshold reactions



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

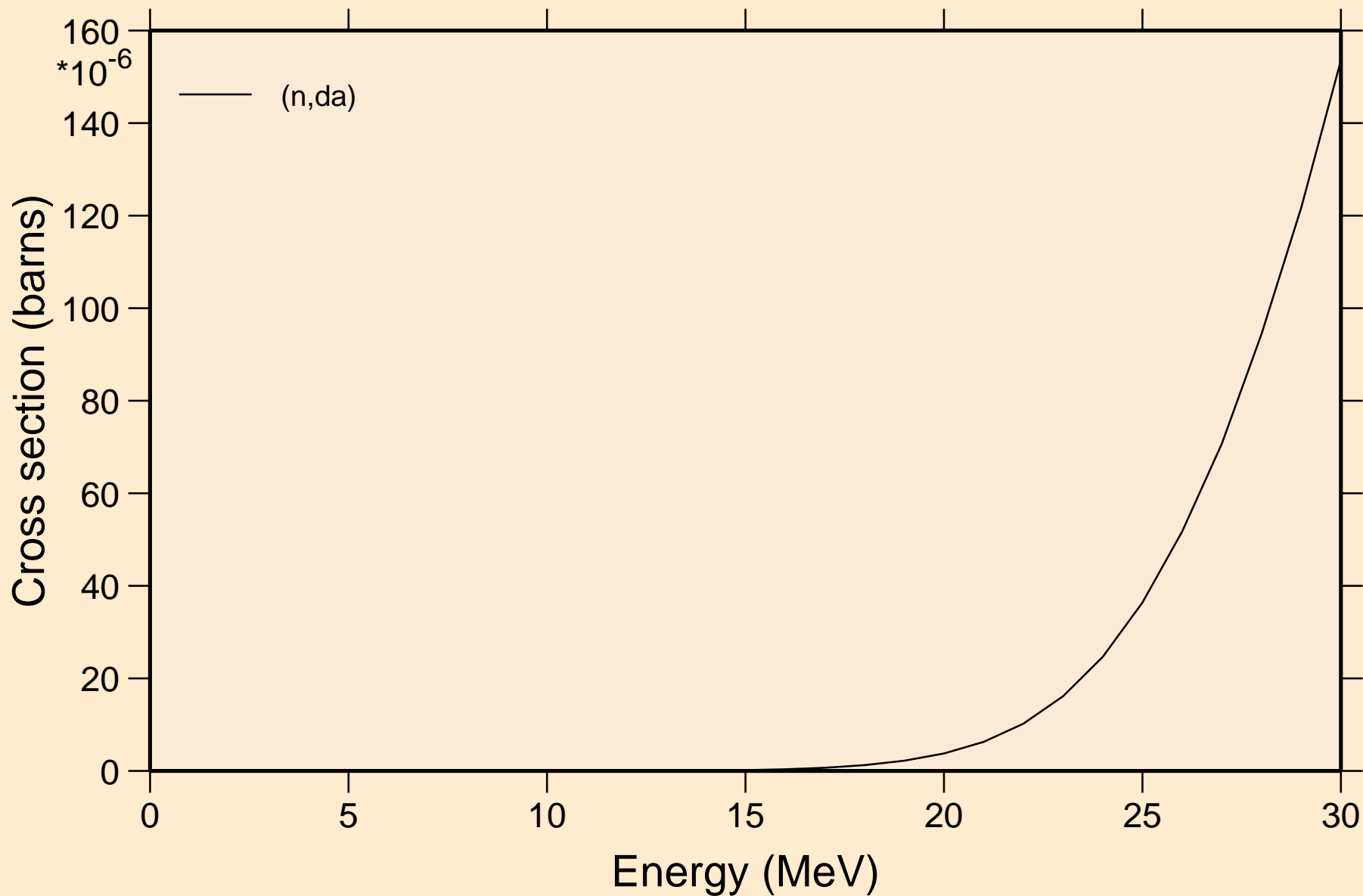


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Threshold reactions

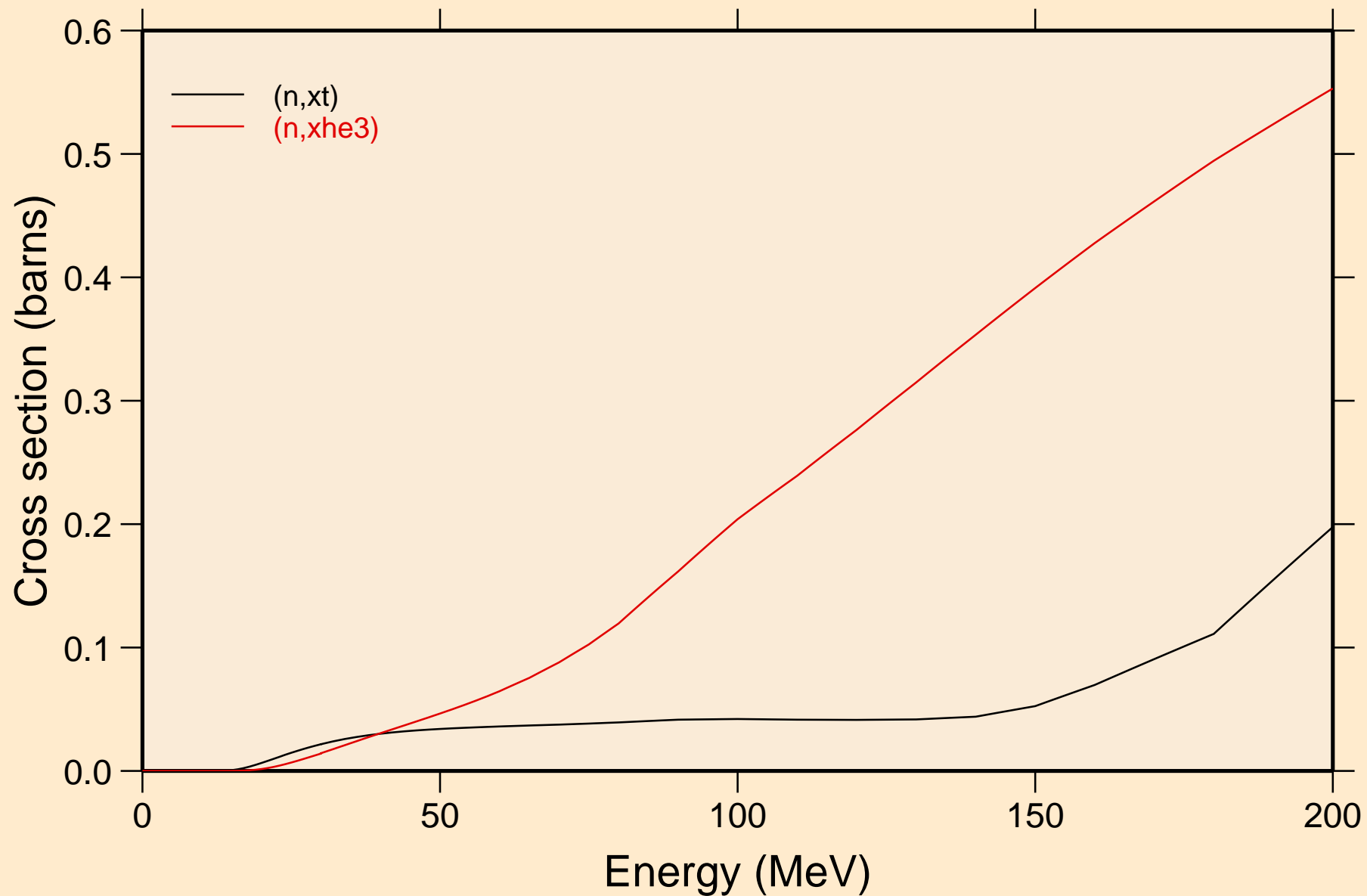




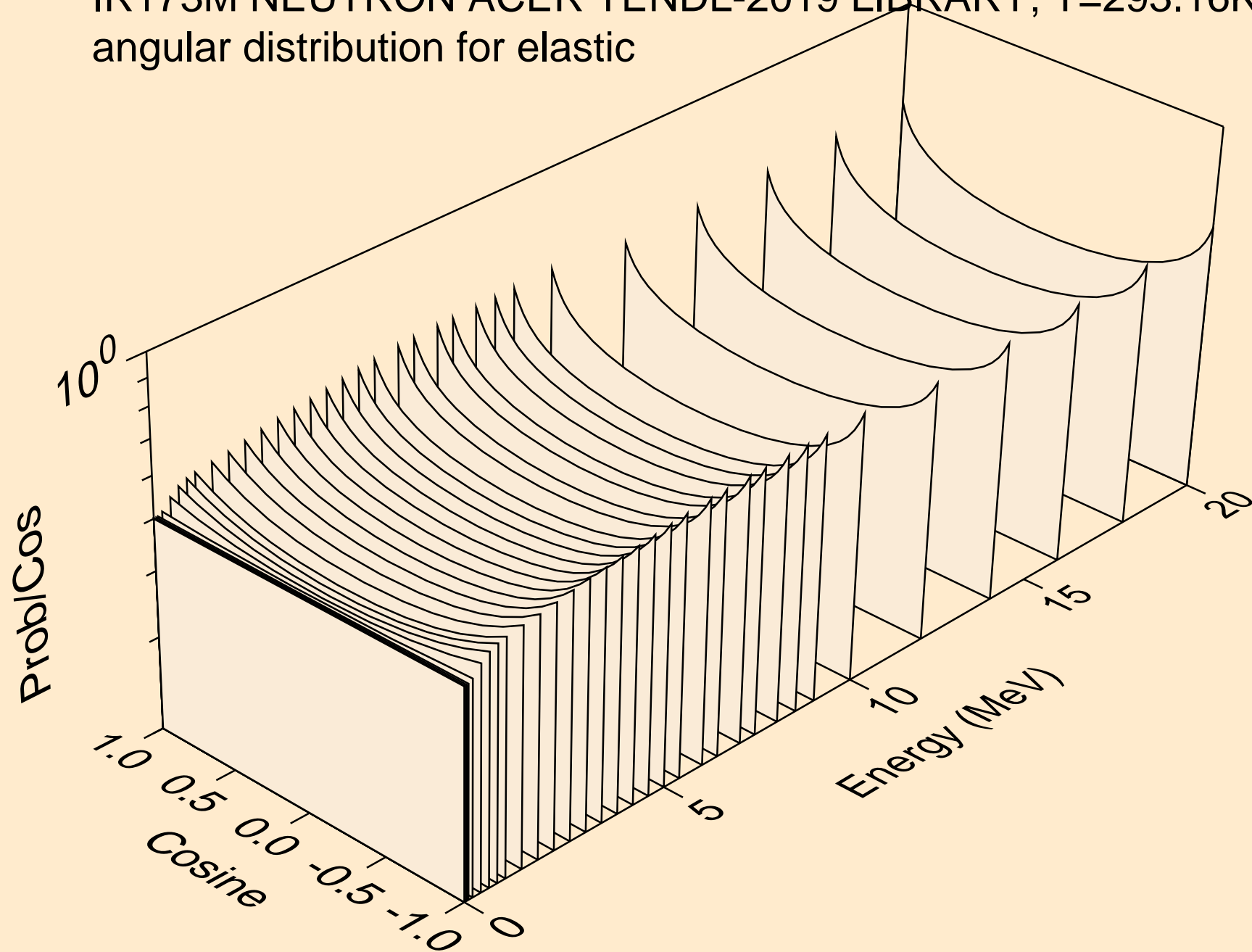
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Threshold reactions



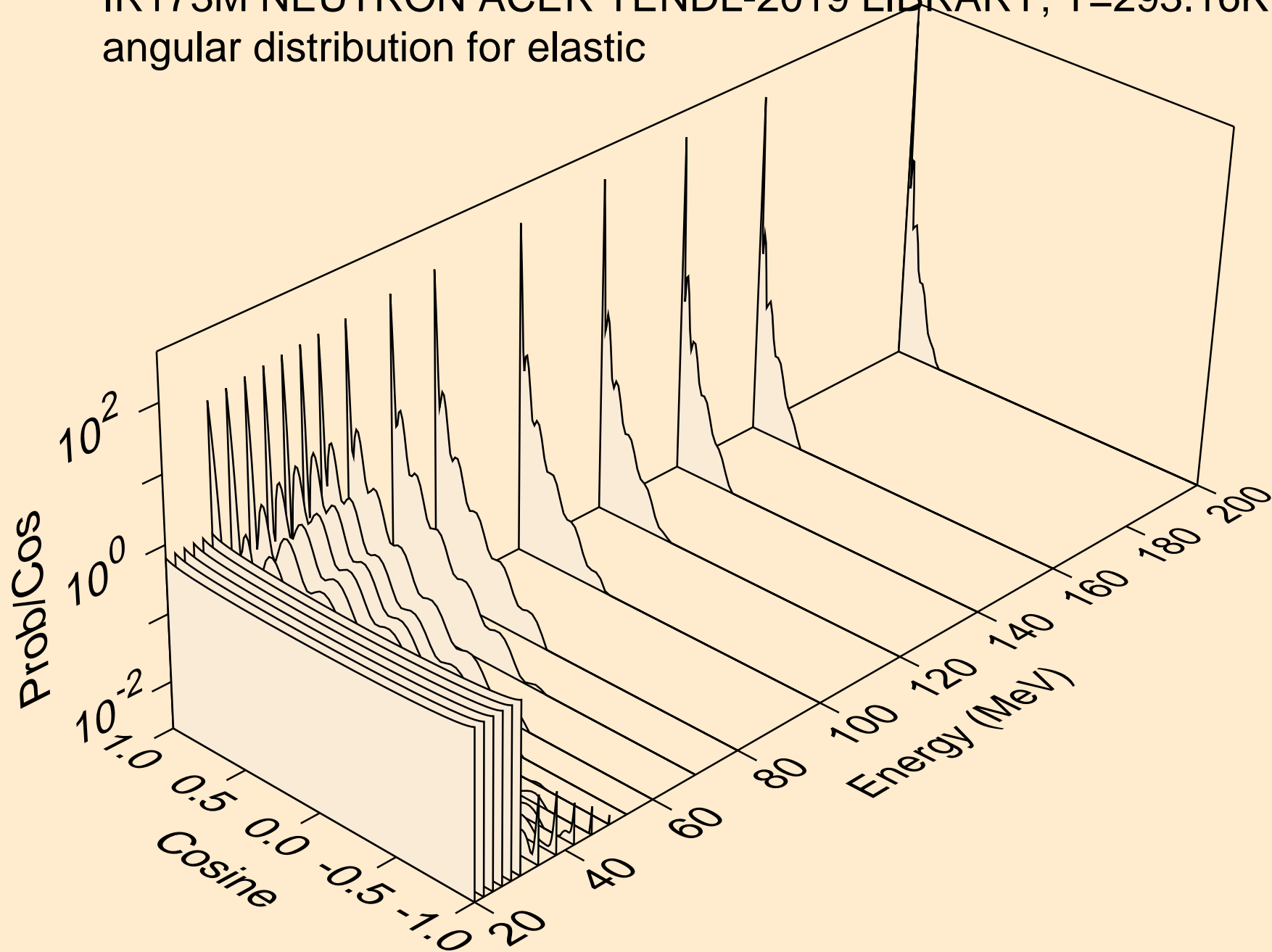
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Threshold reactions



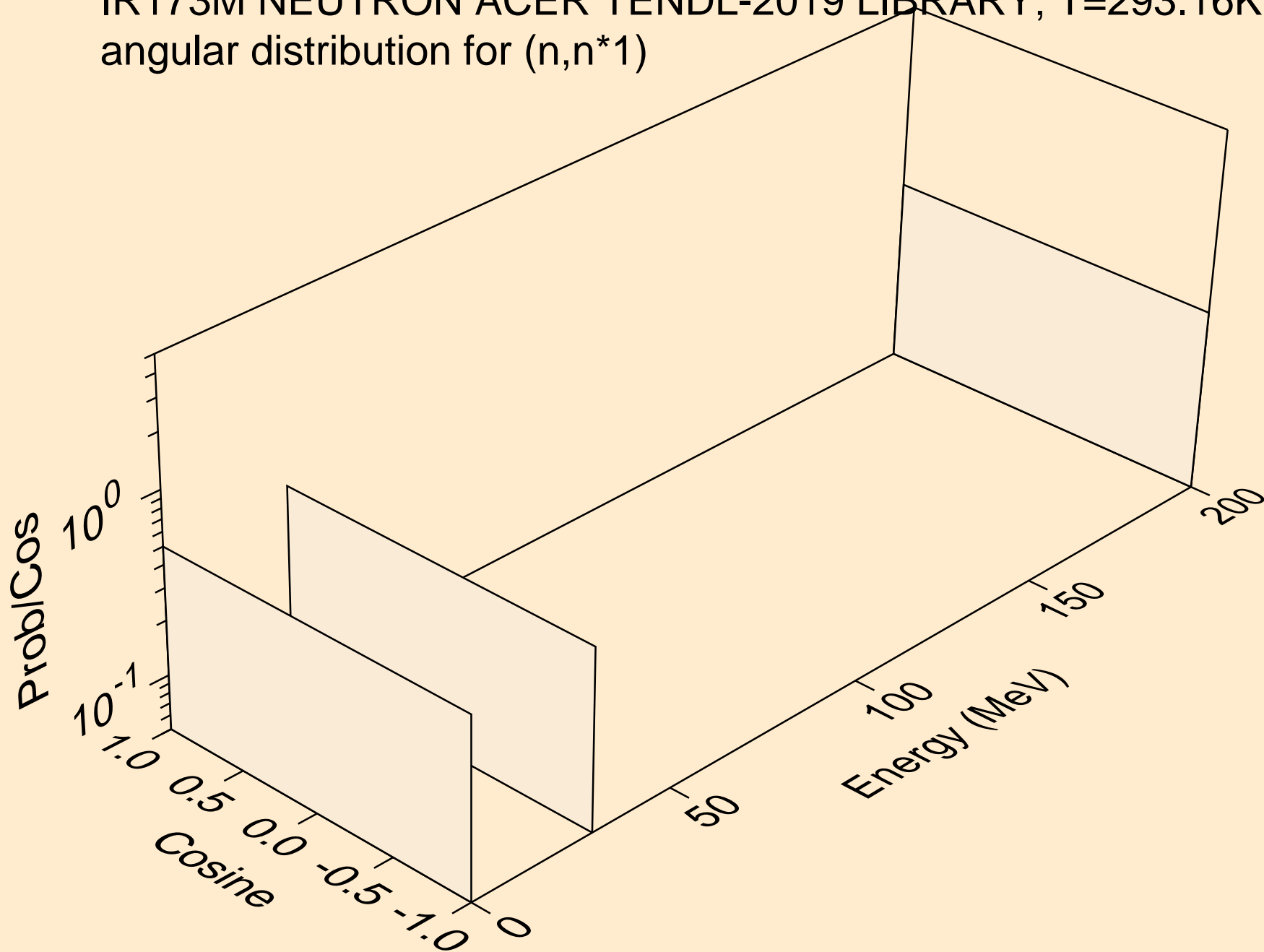
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angular distribution for elastic



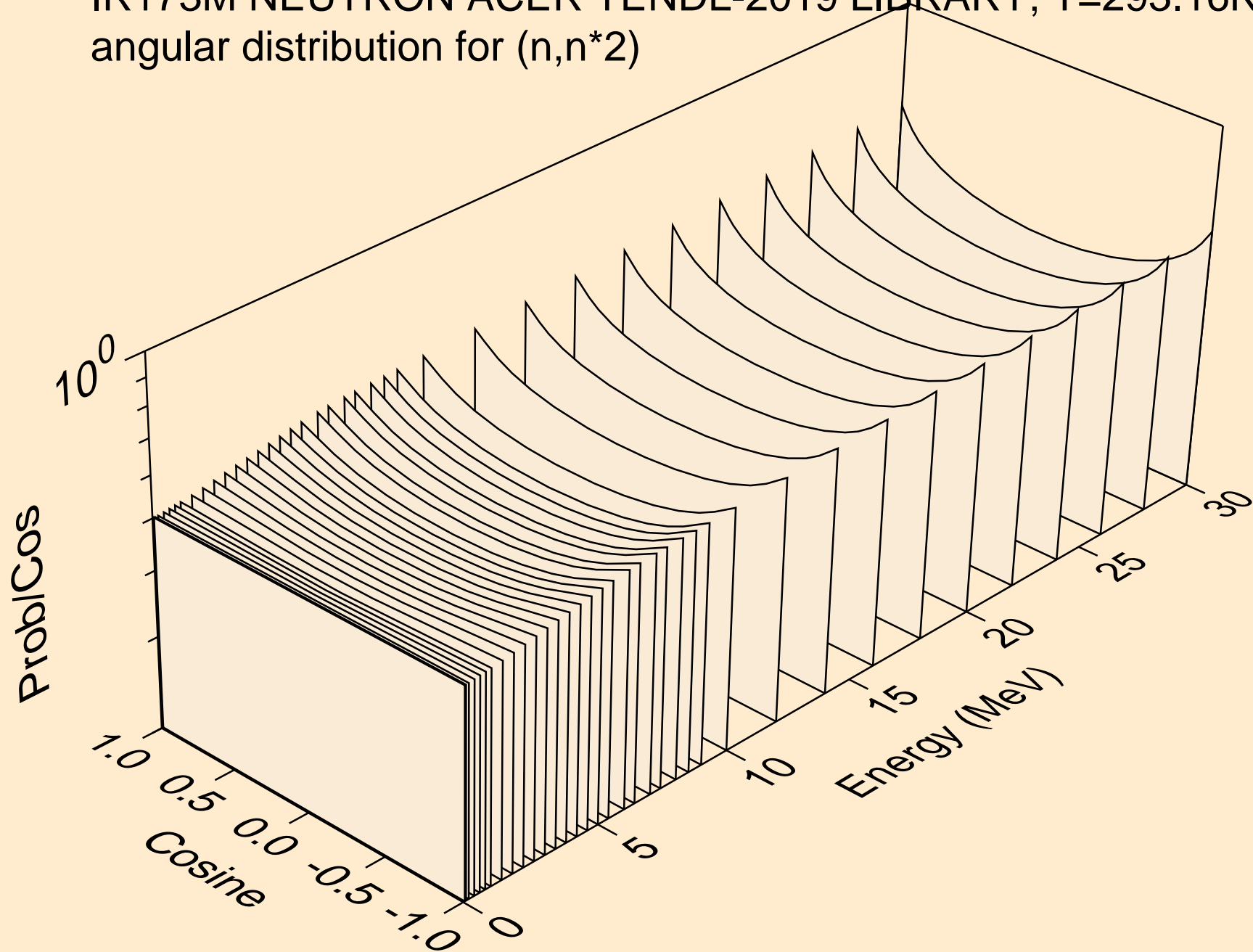
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angular distribution for elastic



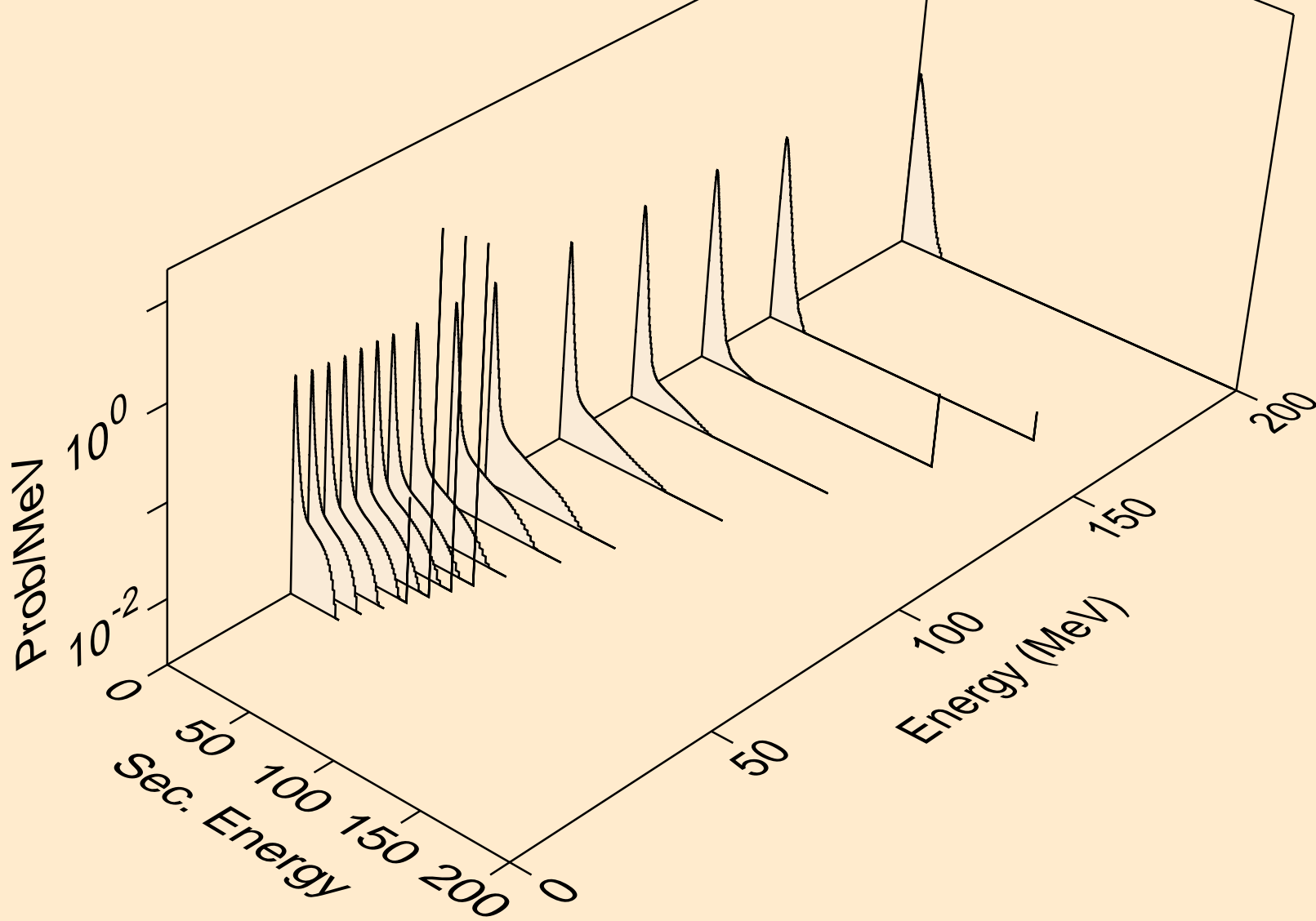
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angular distribution for (n,n\*1)



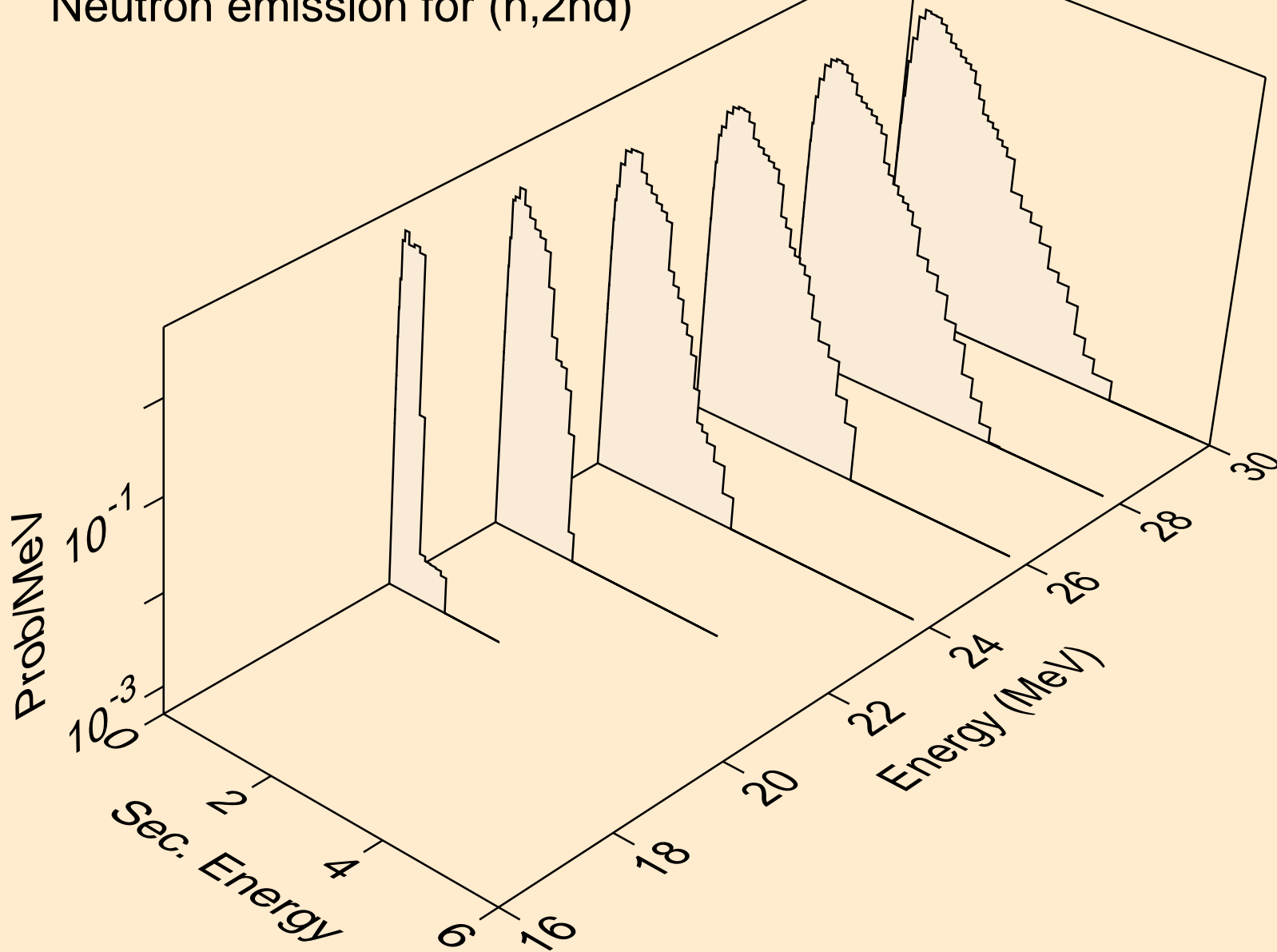
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angular distribution for (n,n\*2)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

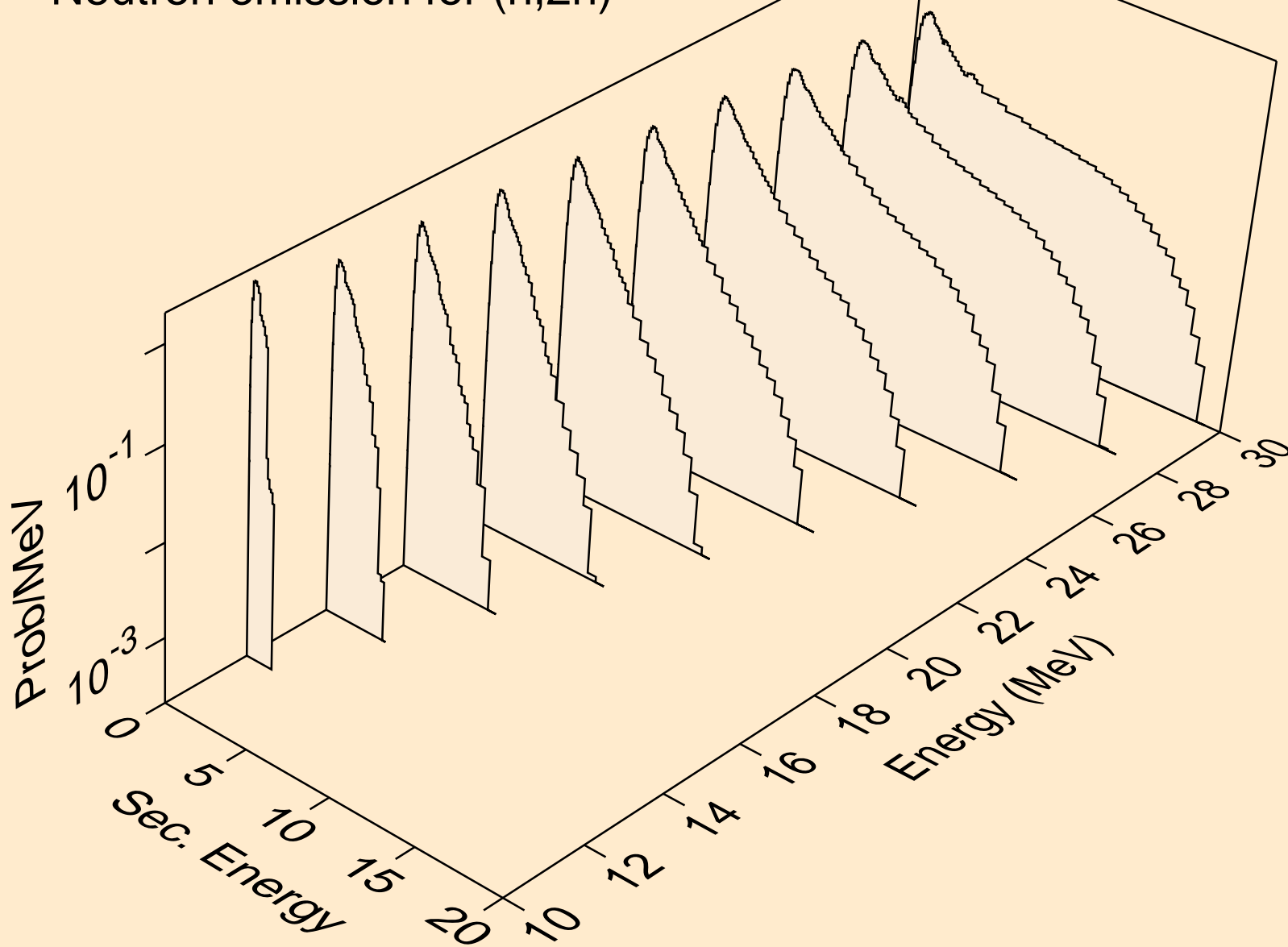


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Neutron emission for (n,2nd)

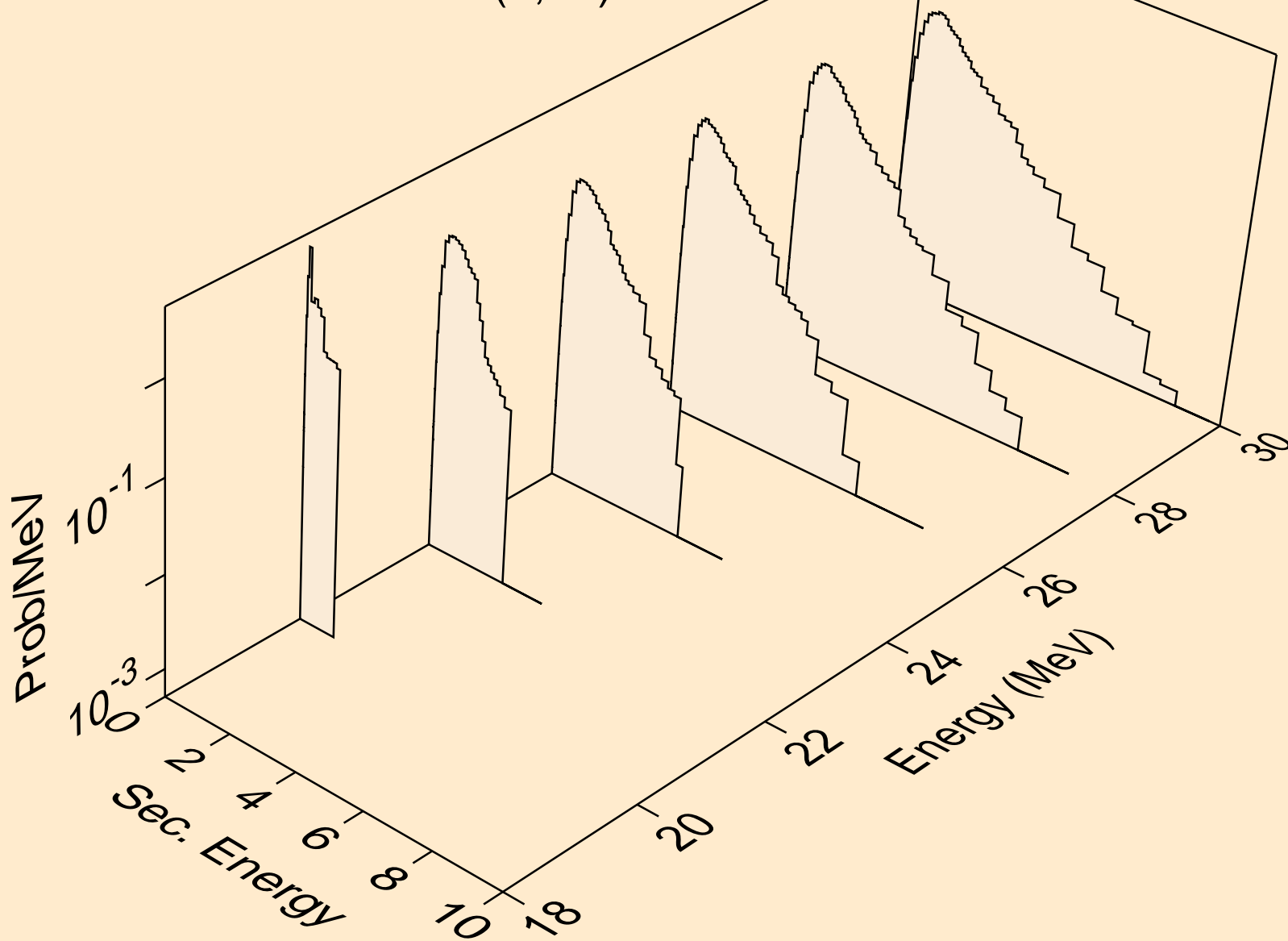




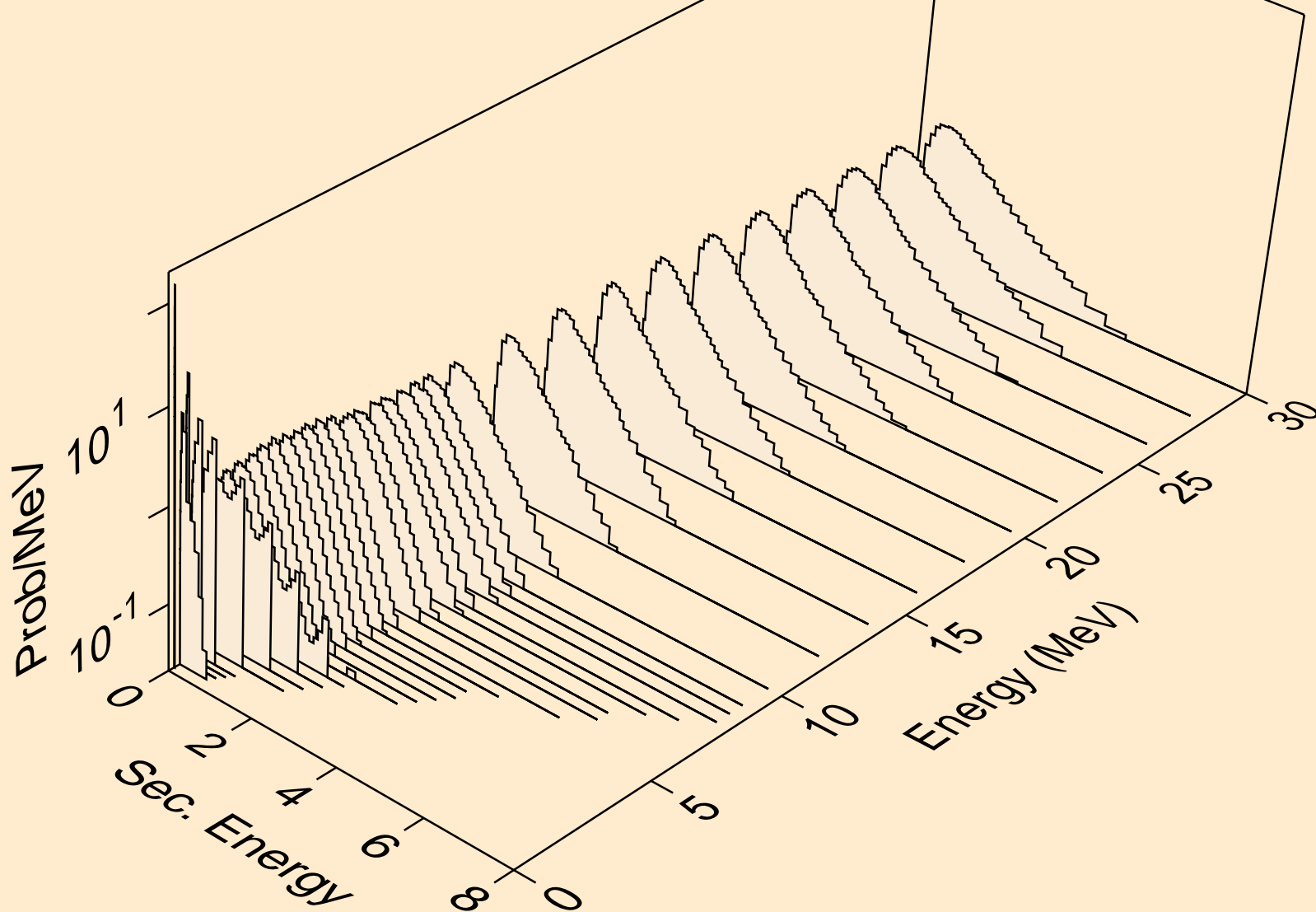
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Neutron emission for (n,2n)



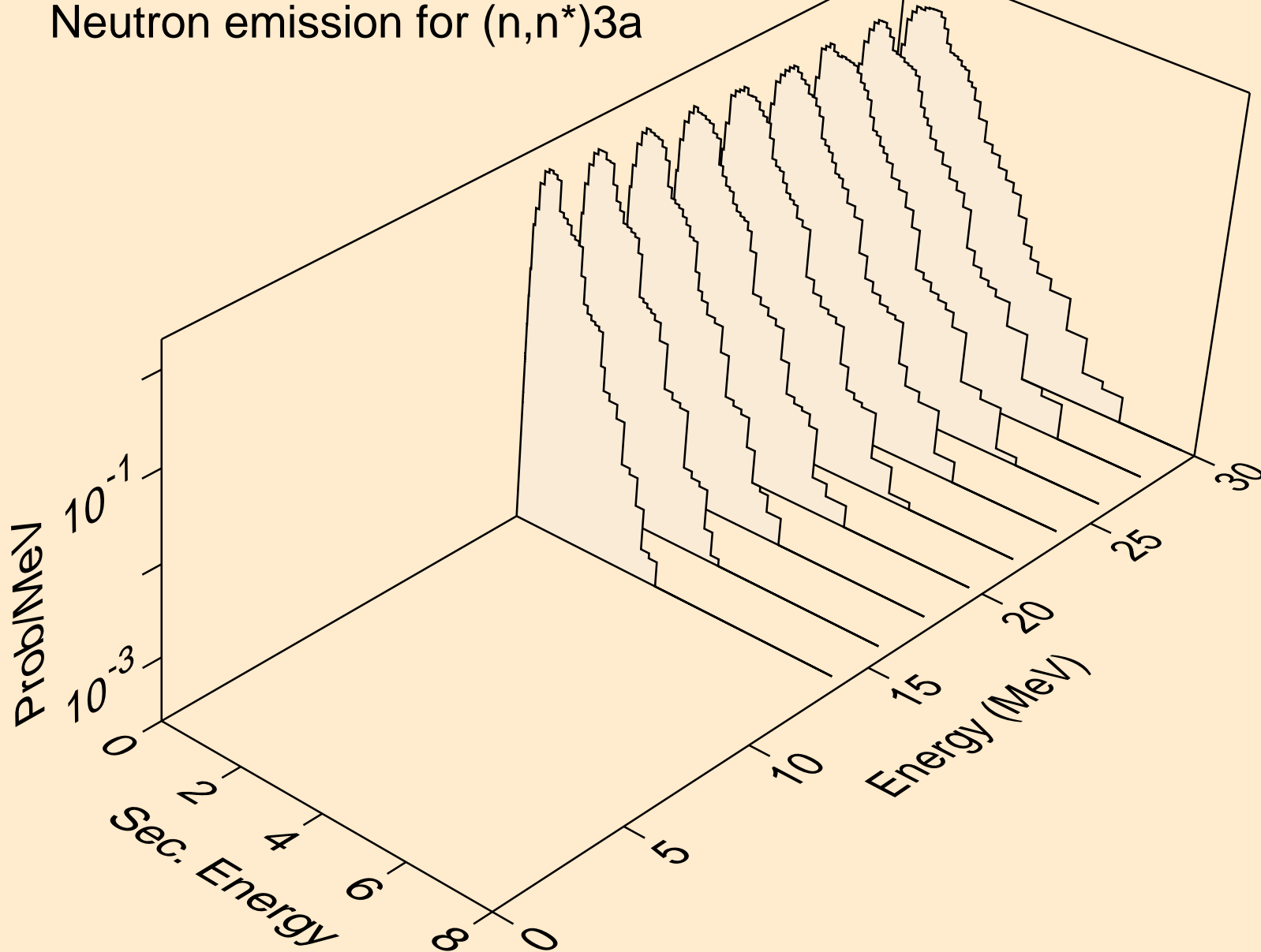
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Neutron emission for (n,3n)



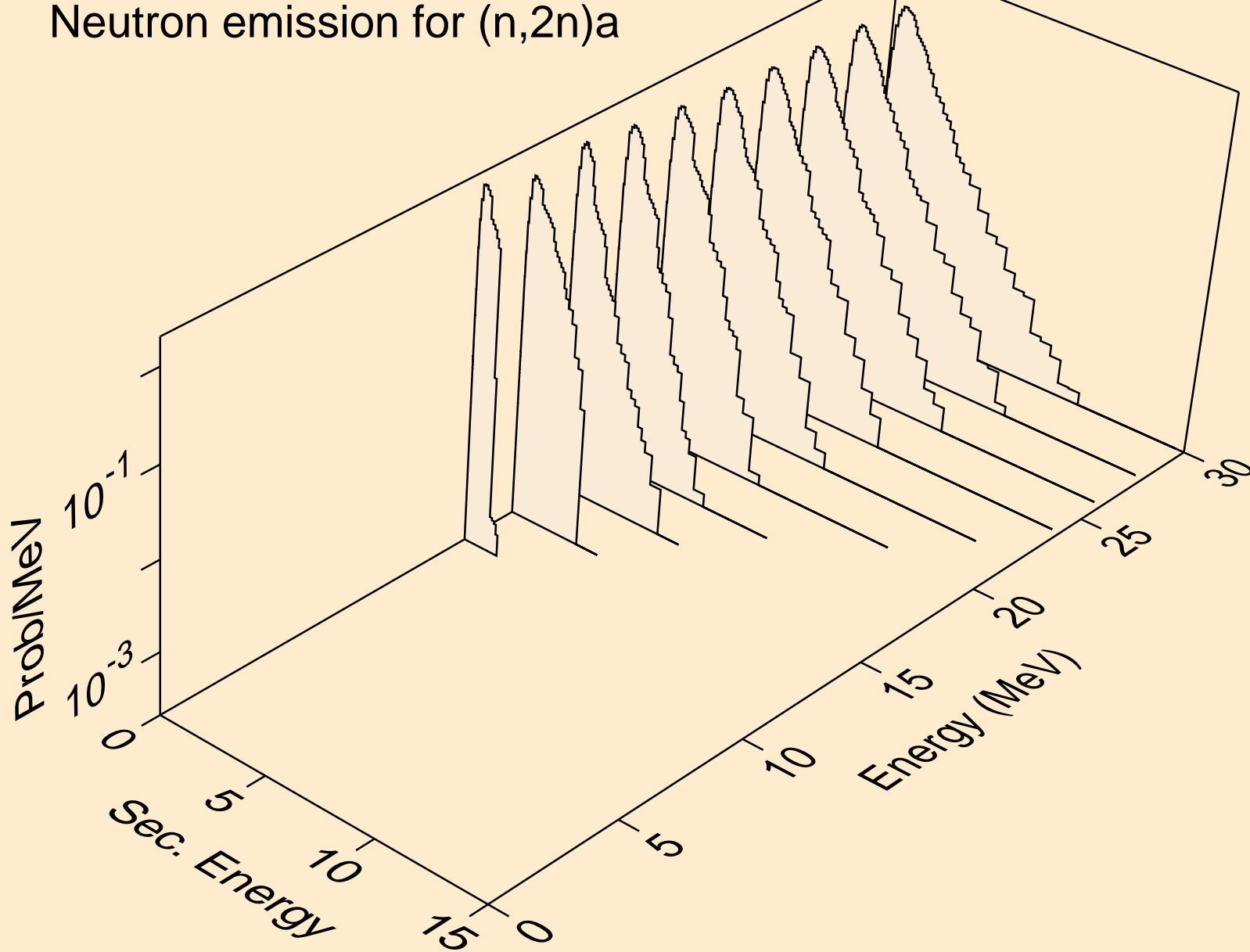
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Neutron emission for (n,n\*)a



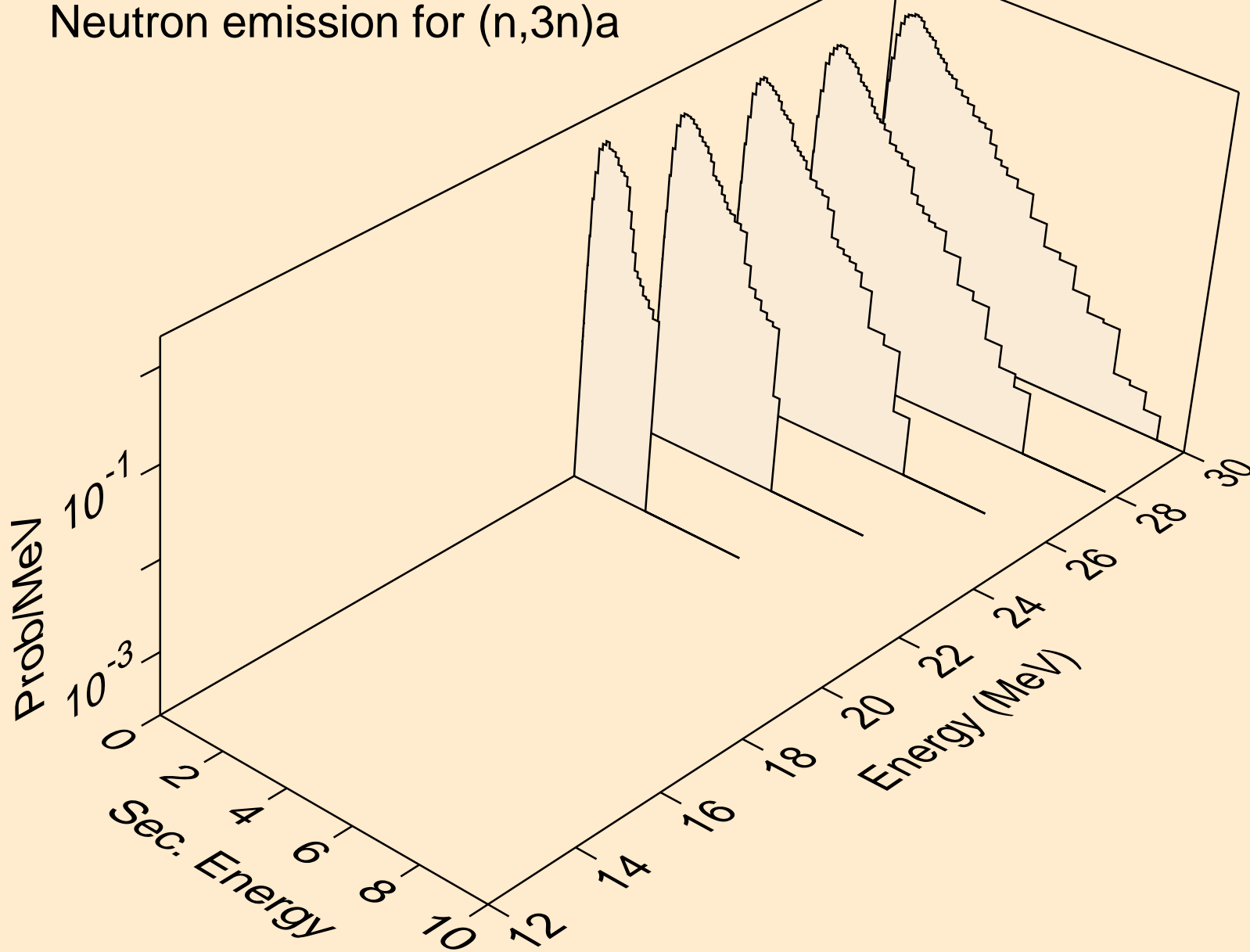
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Neutron emission for (n,n\*)3a



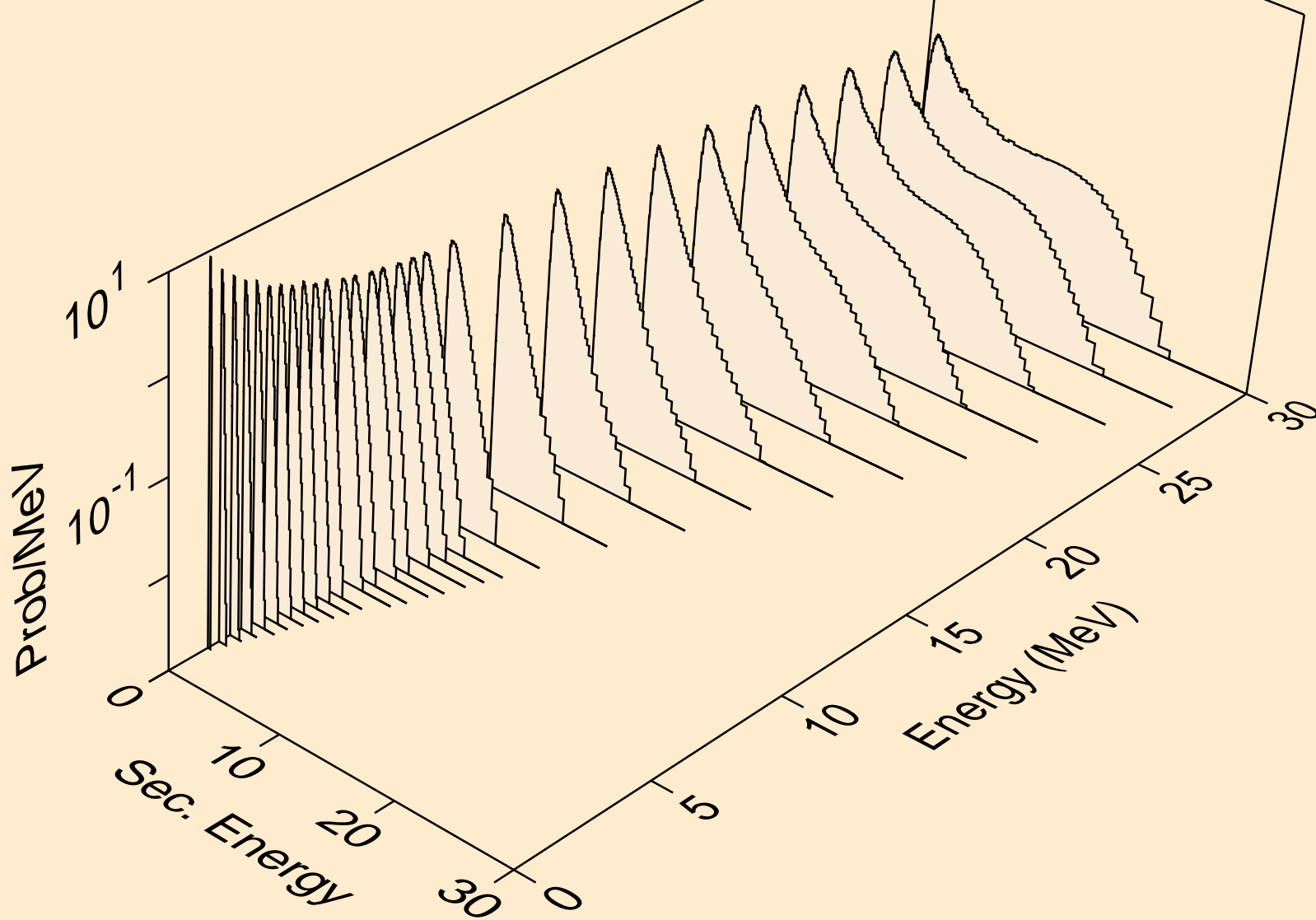
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Neutron emission for (n,2n)a



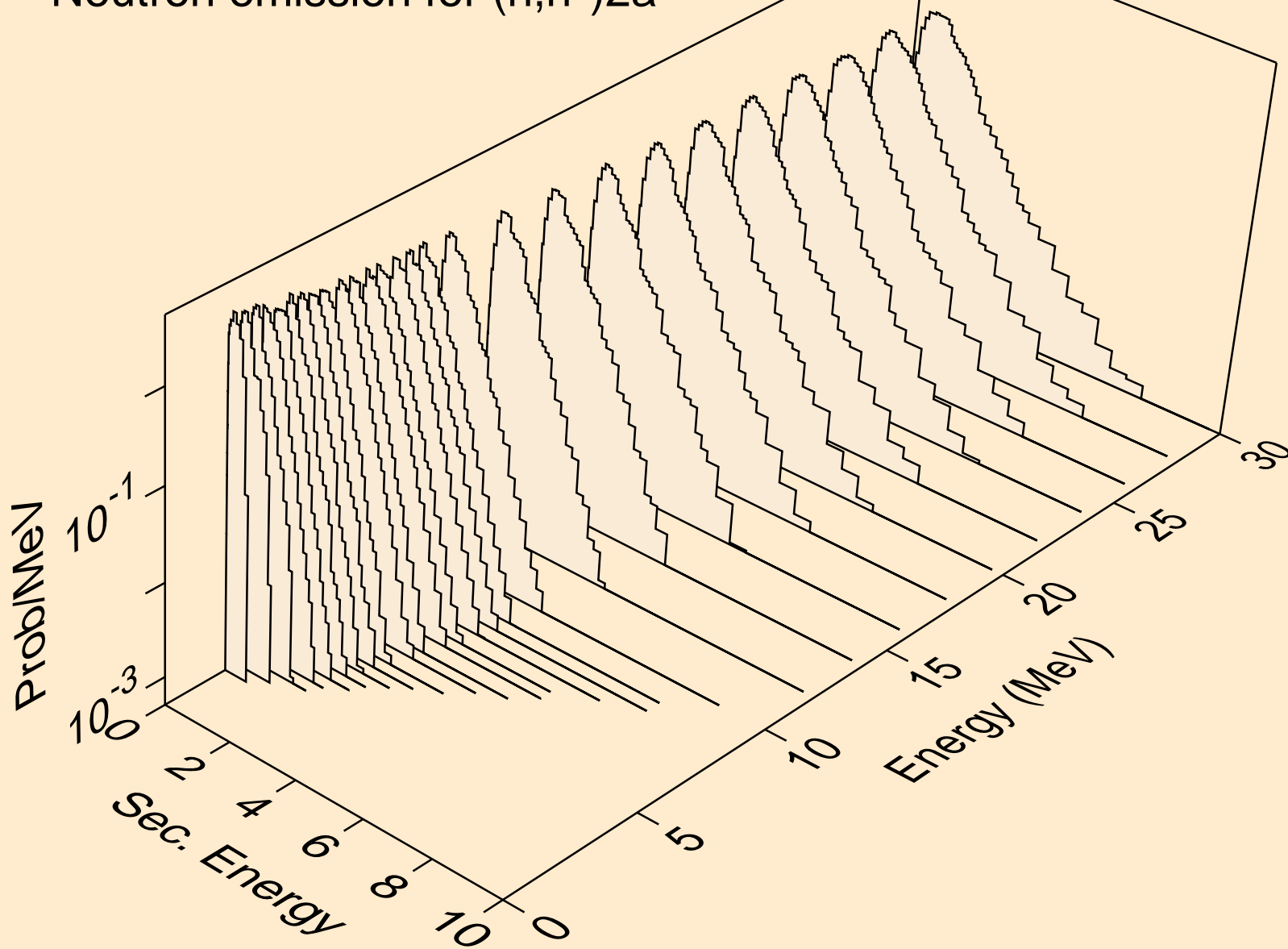
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Neutron emission for (n,3n)a



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

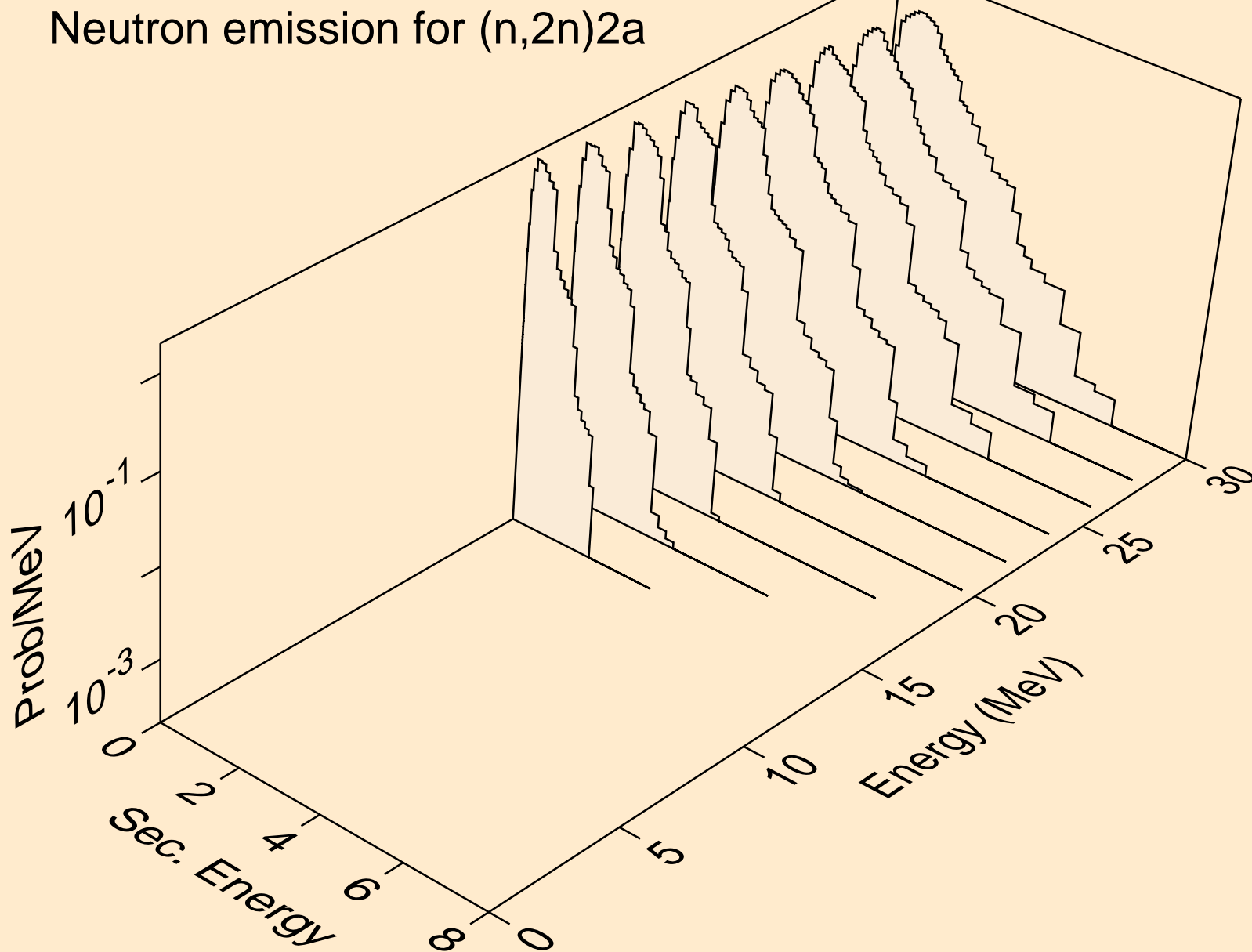


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Neutron emission for (n,n\*)2a

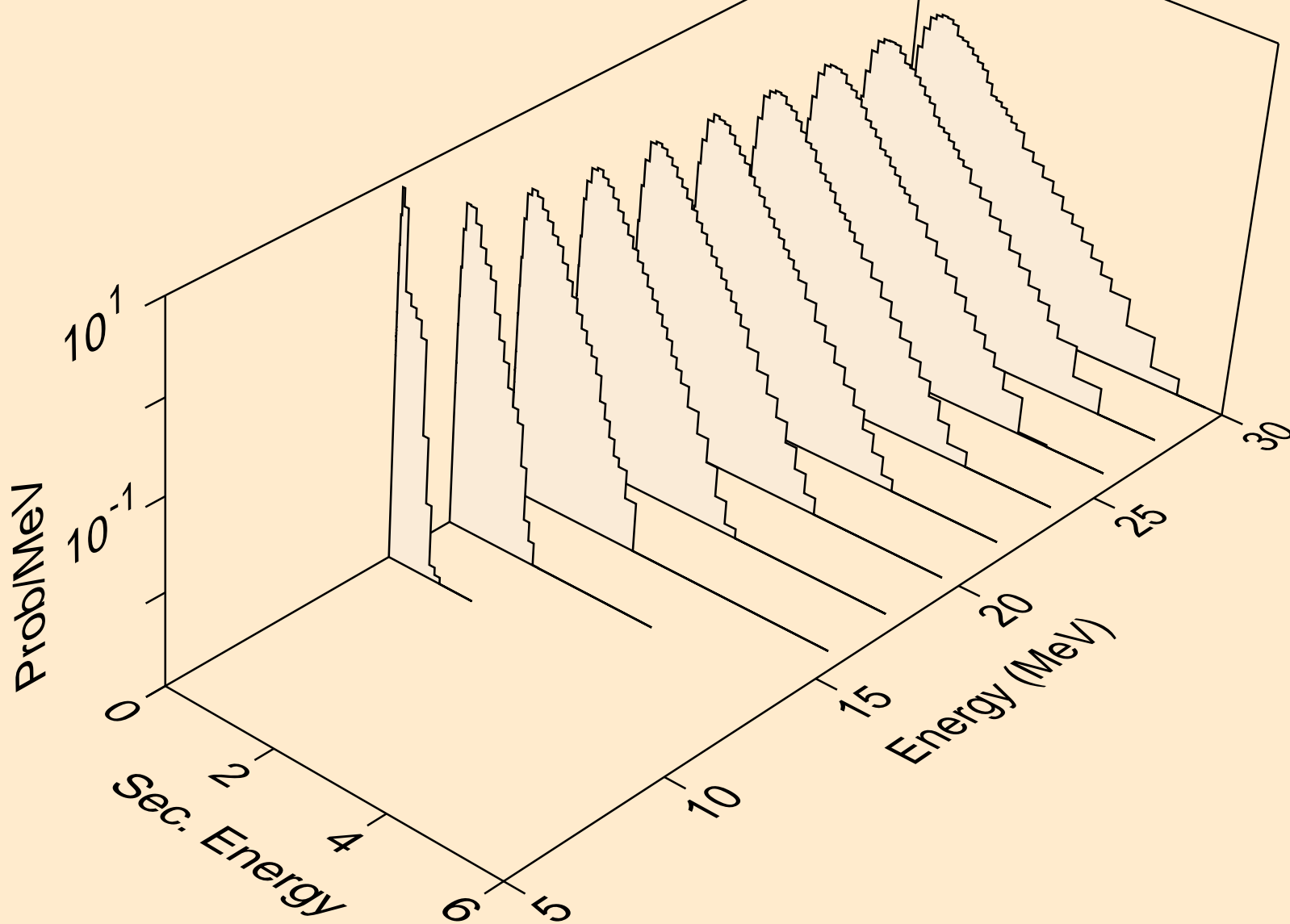




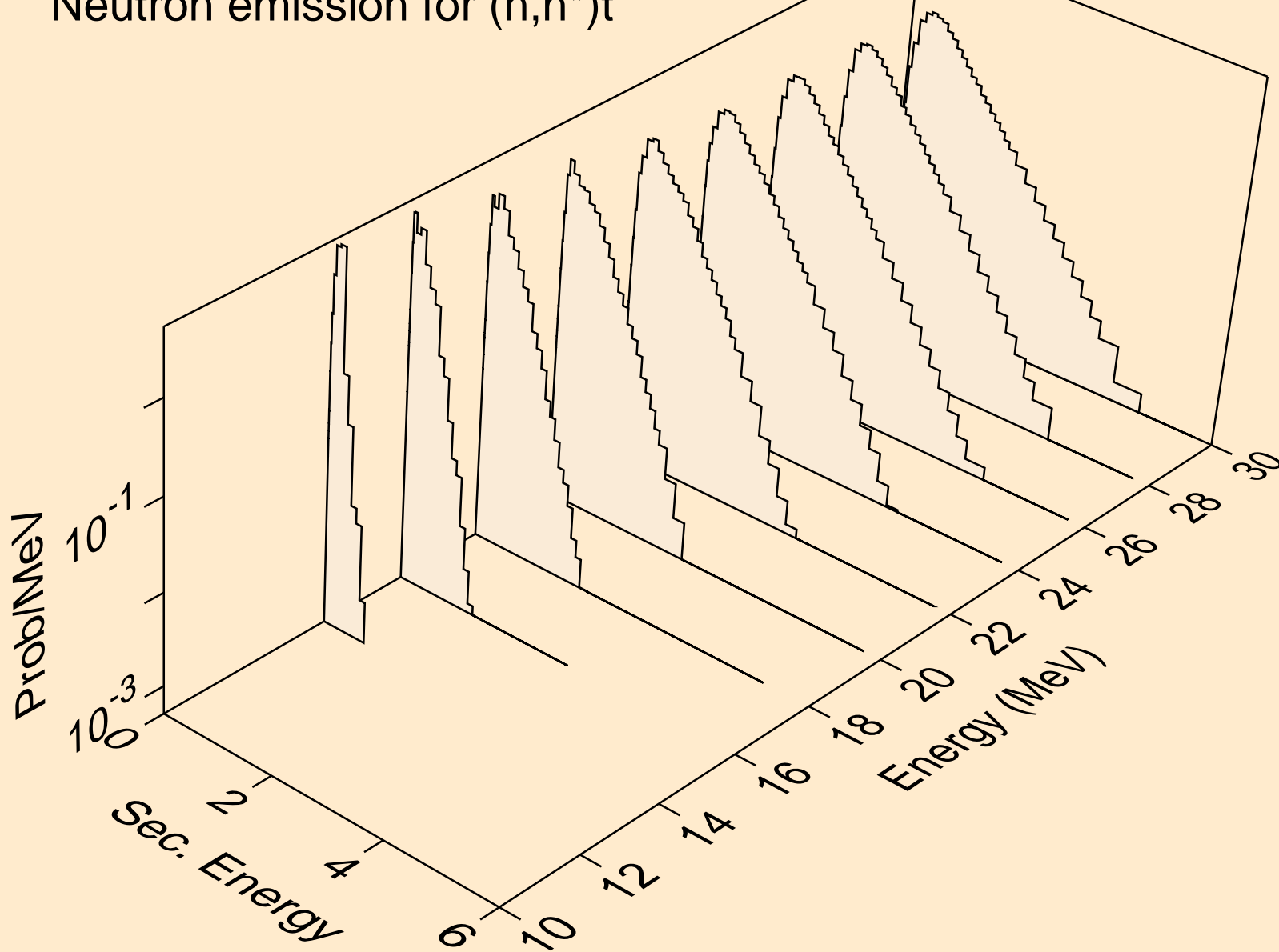
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Neutron emission for (n,2n)2a



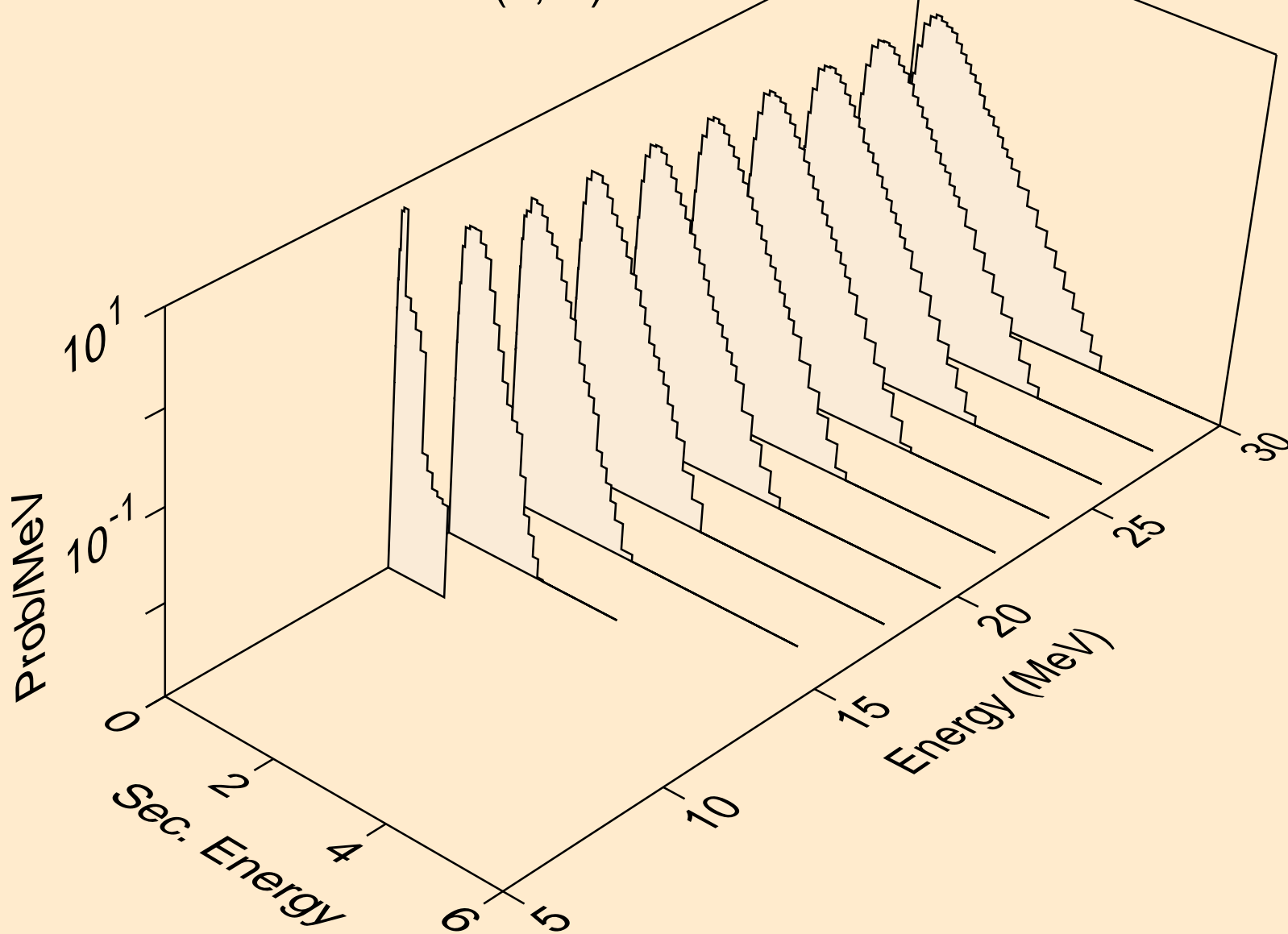
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Neutron emission for (n,n\*)d



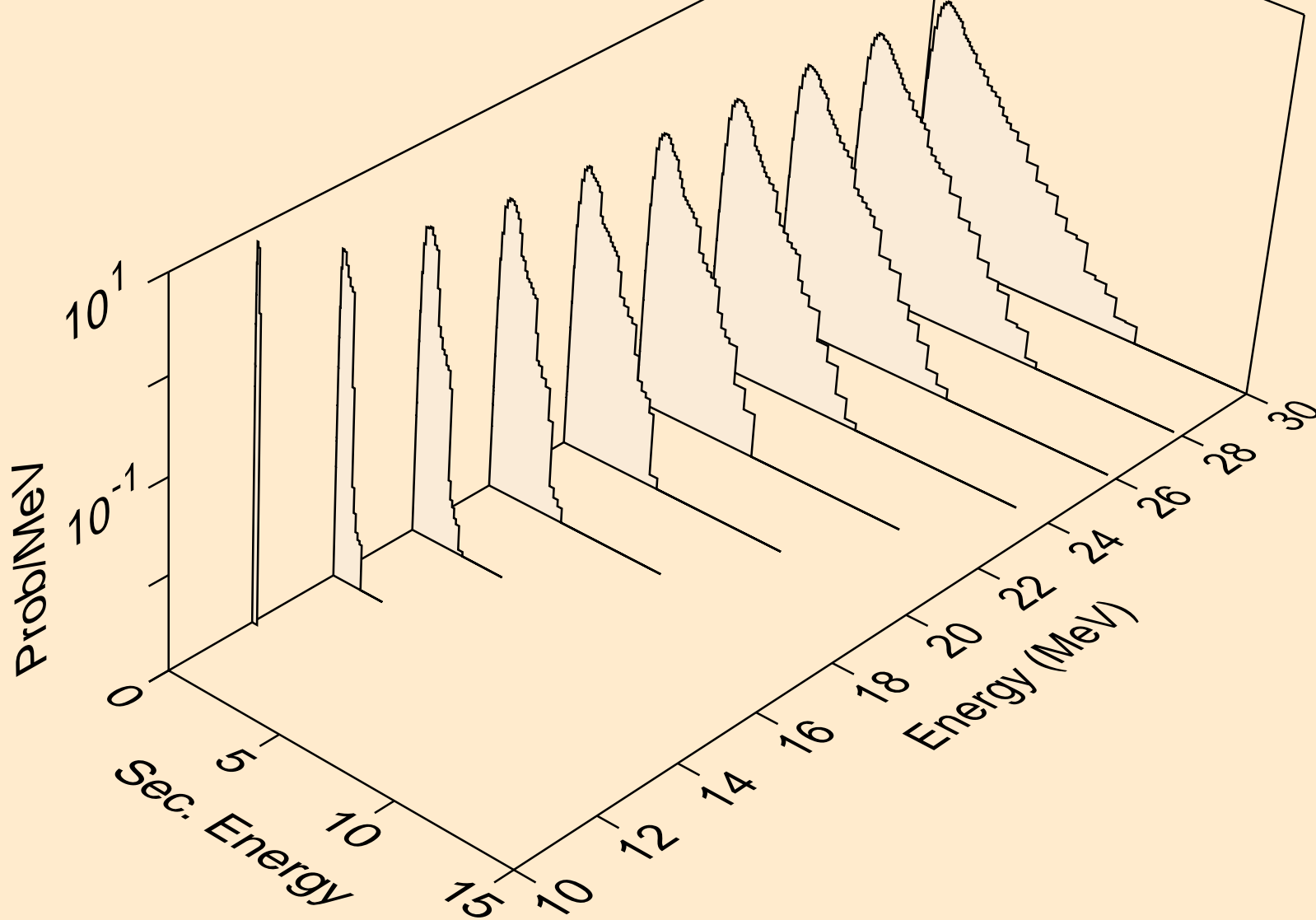
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Neutron emission for (n,n\*)t



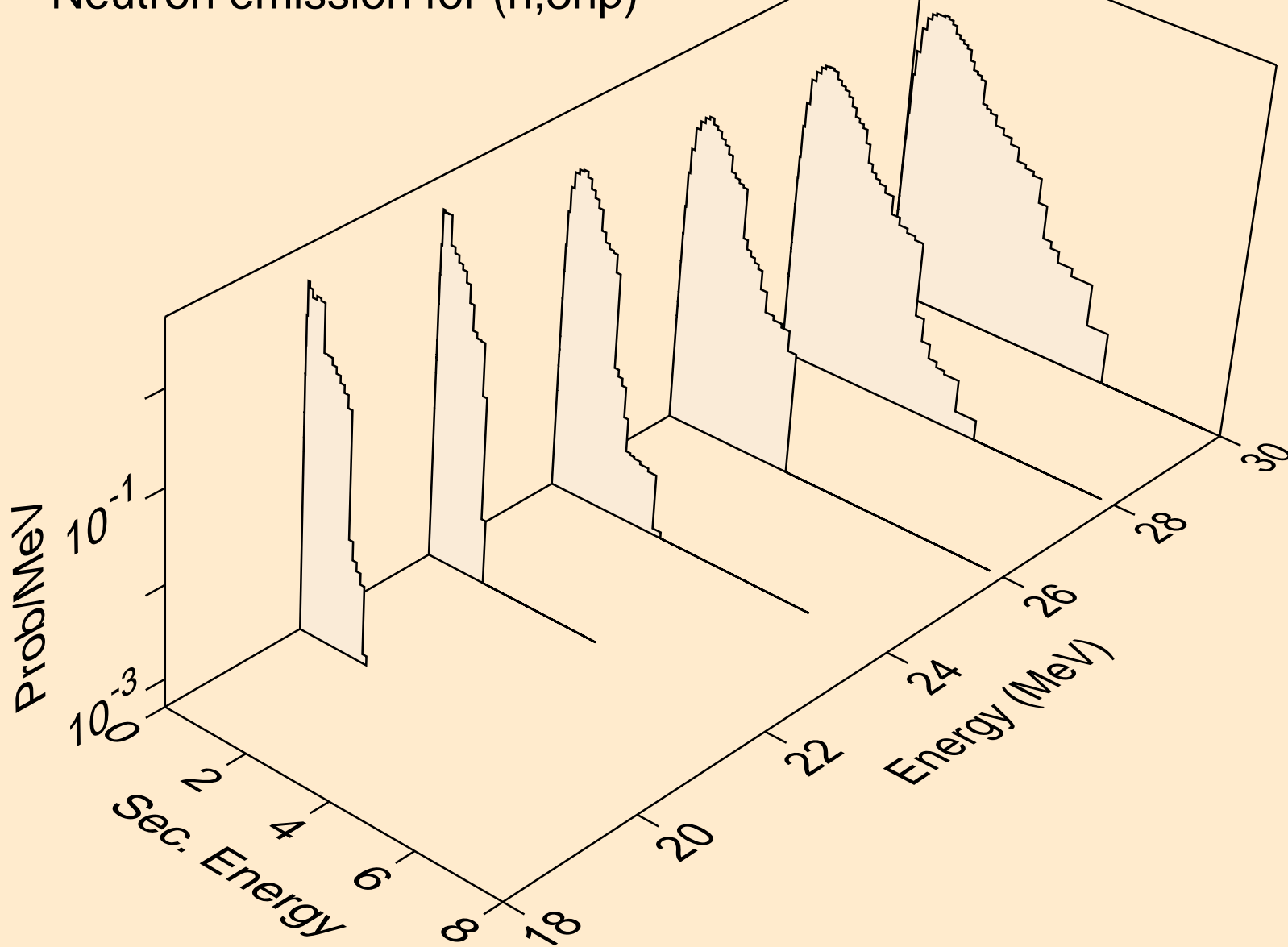
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Neutron emission for (n,n\*)he3



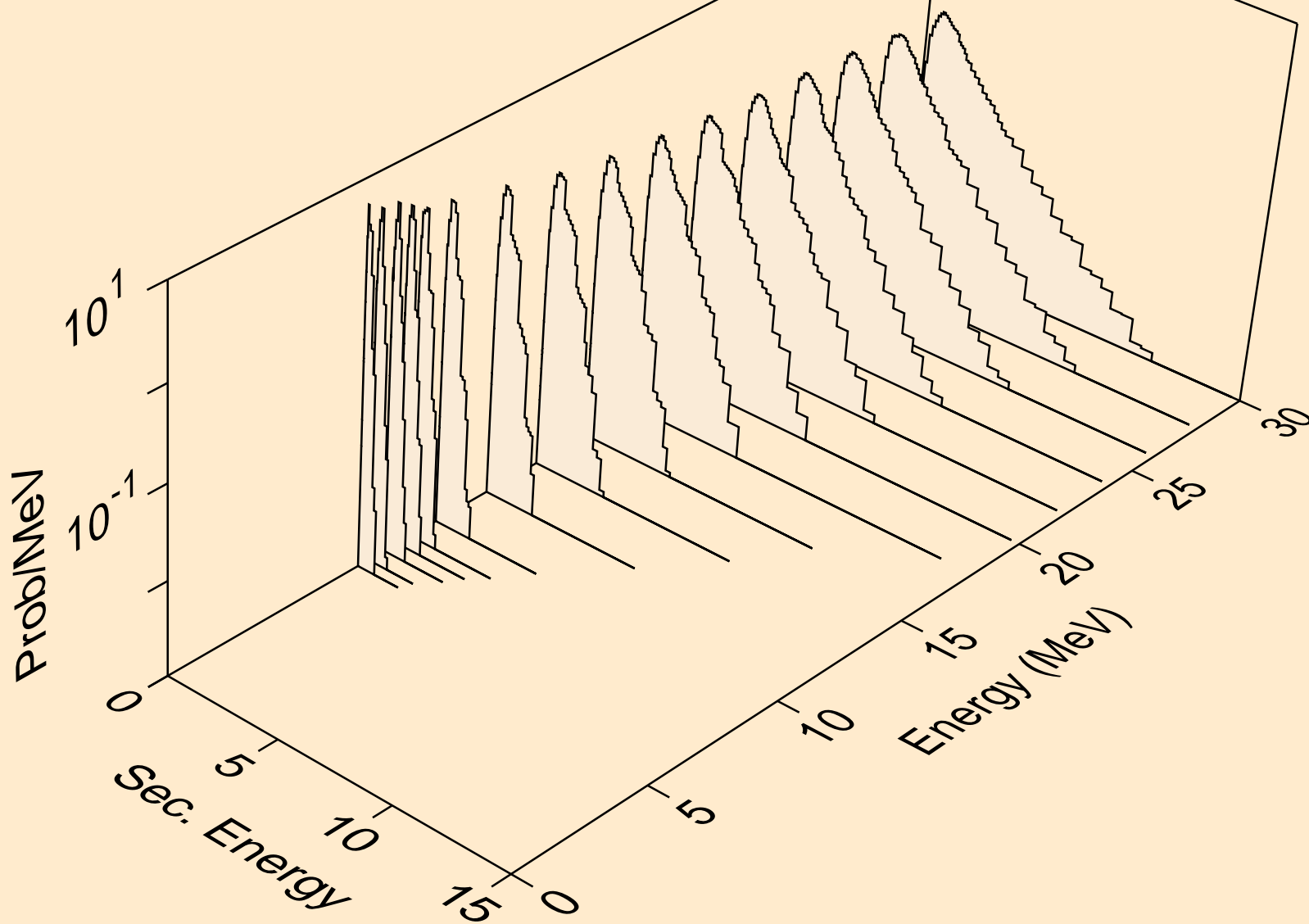
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Neutron emission for (n,2np)



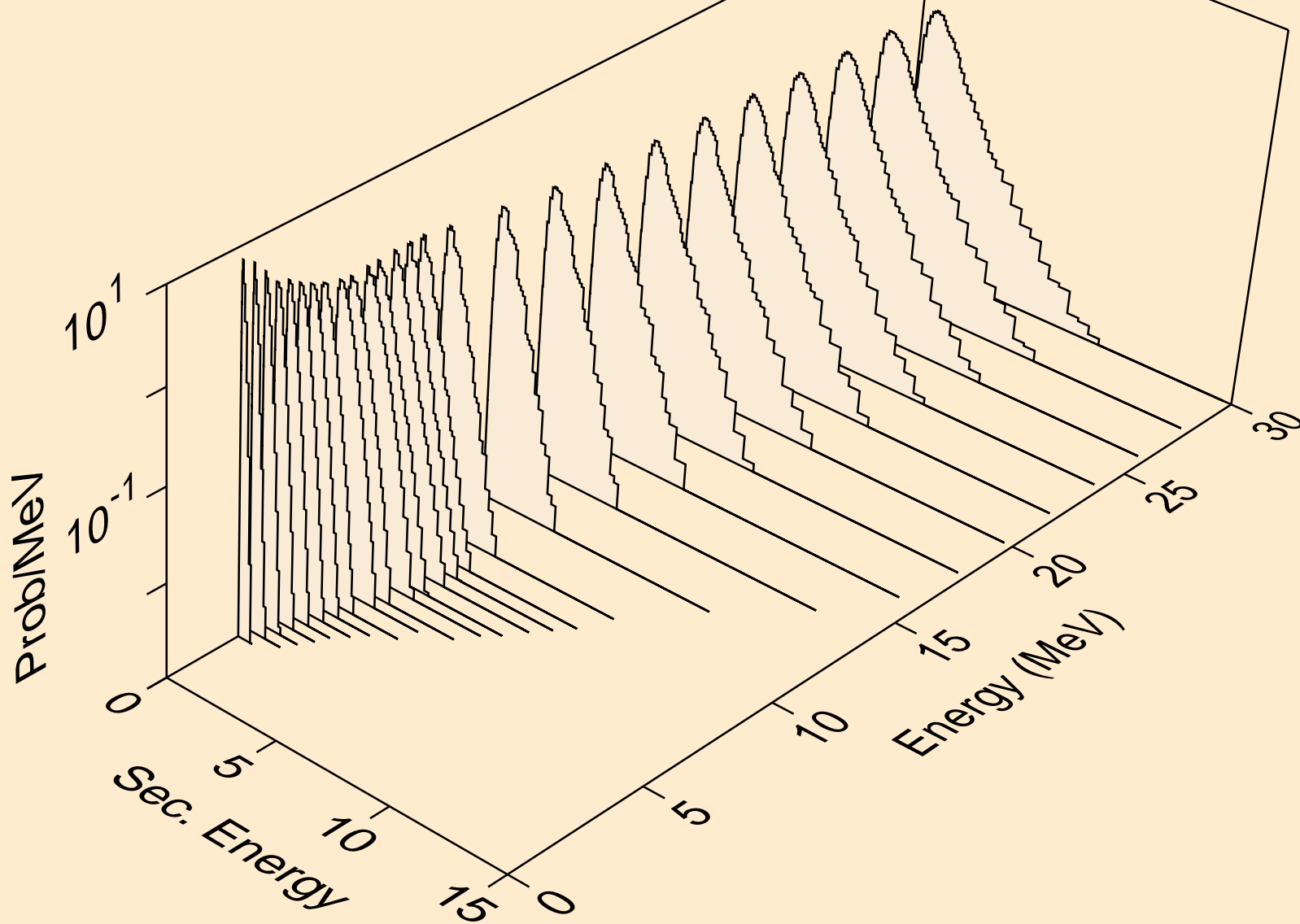
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Neutron emission for (n,3np)



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Neutron emission for (n,2np)

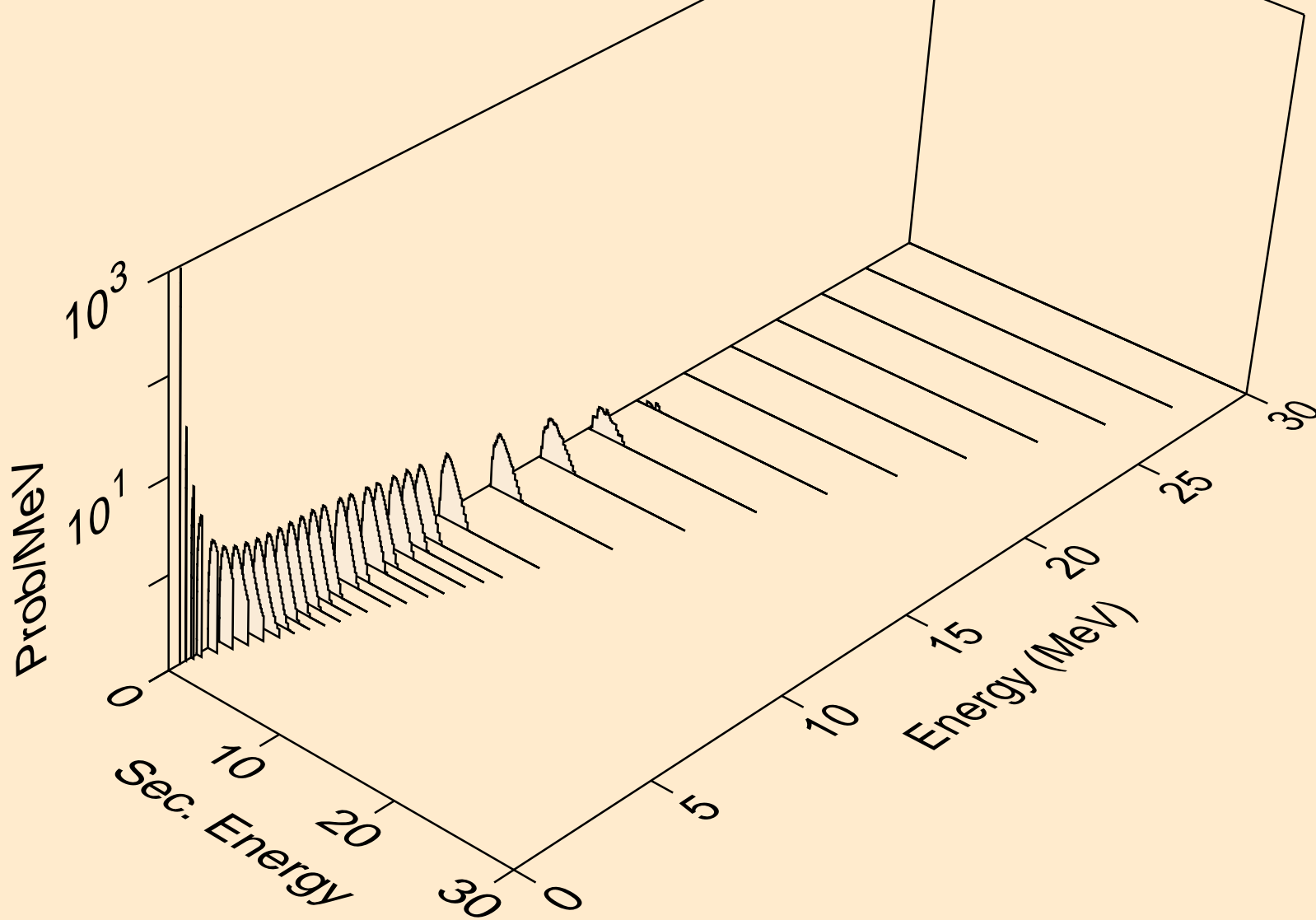


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Neutron emission for (n,npa)

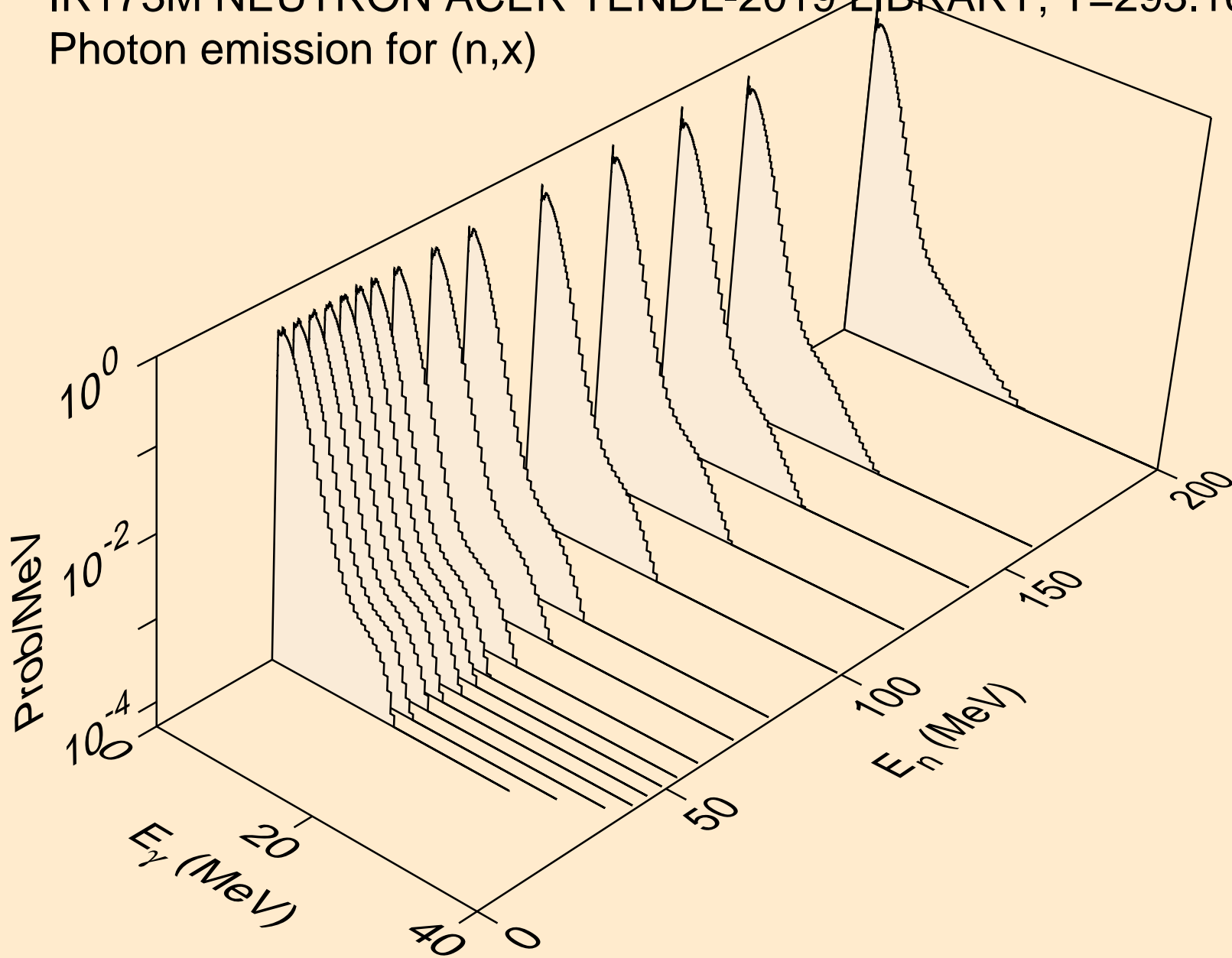




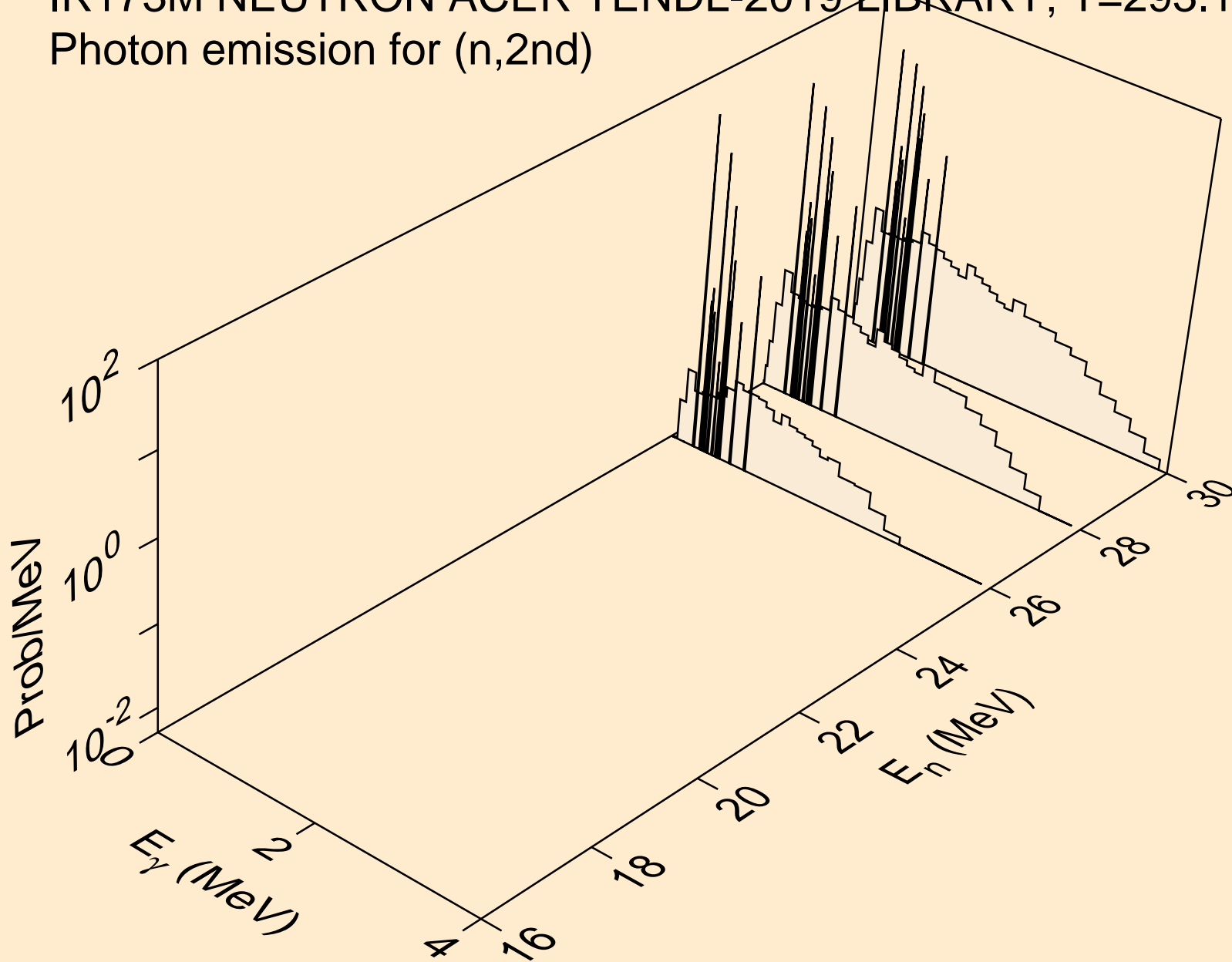
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Neutron emission for (n,n\*c)



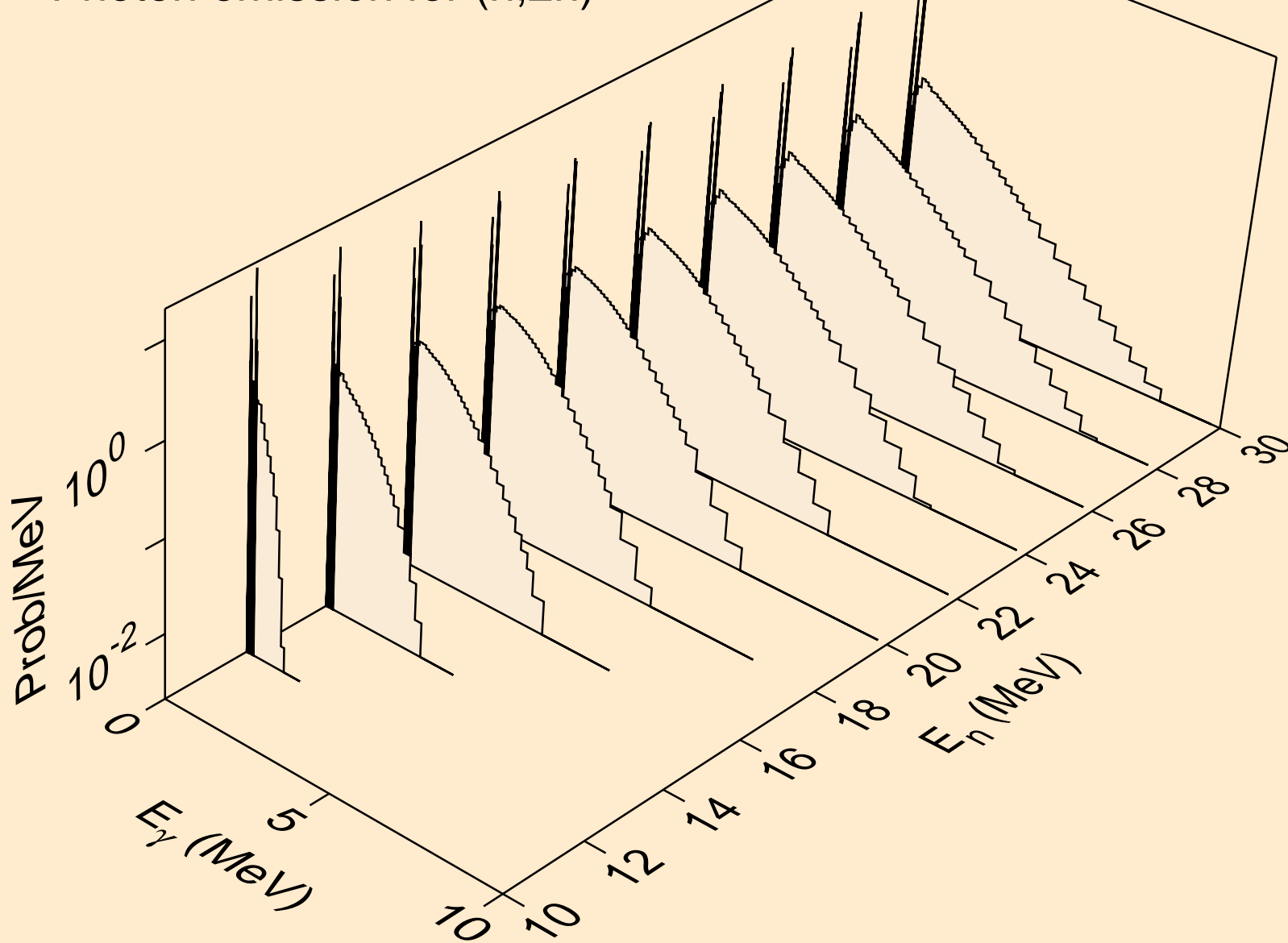
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Photon emission for (n,x)



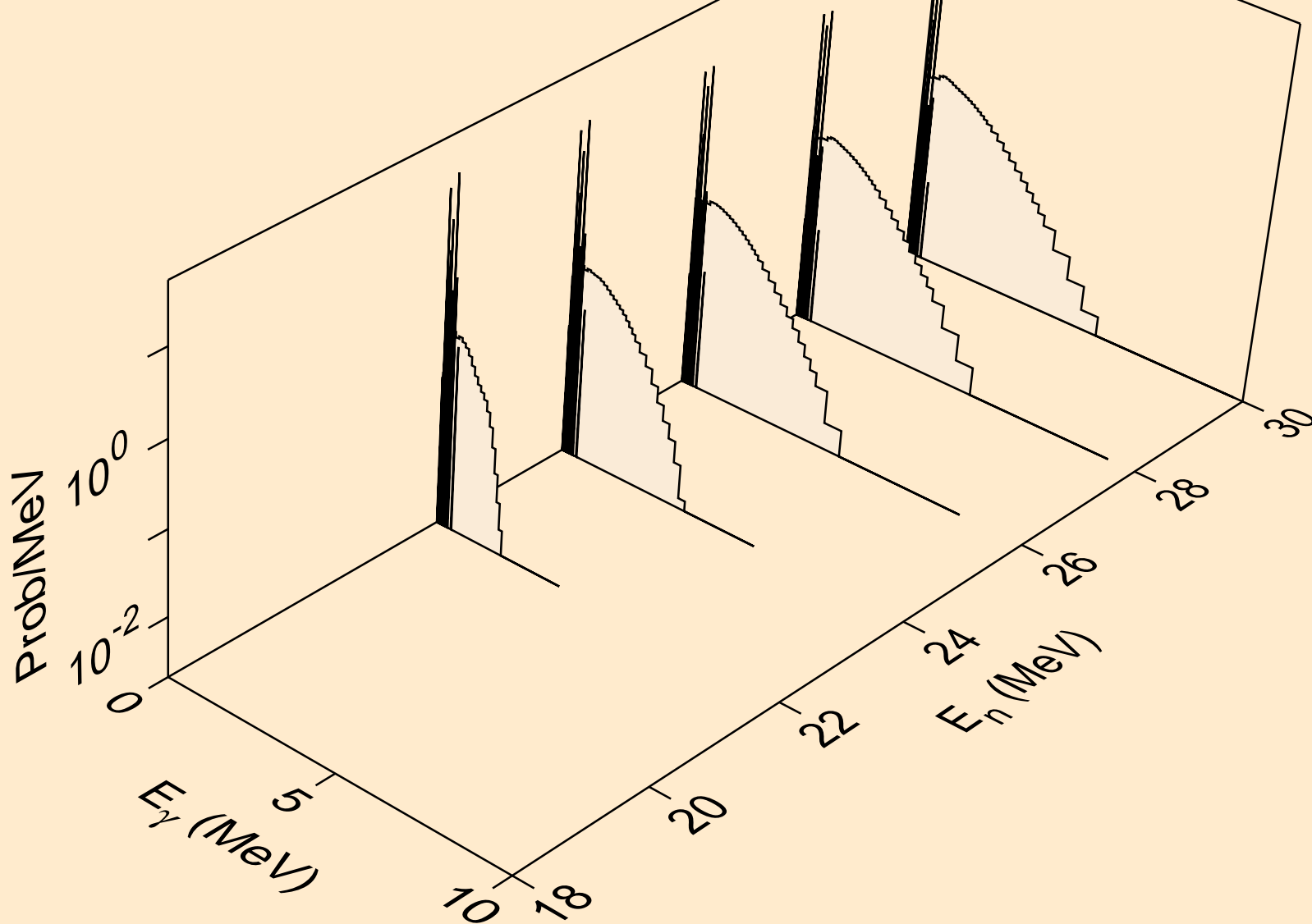
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Photon emission for (n,2nd)



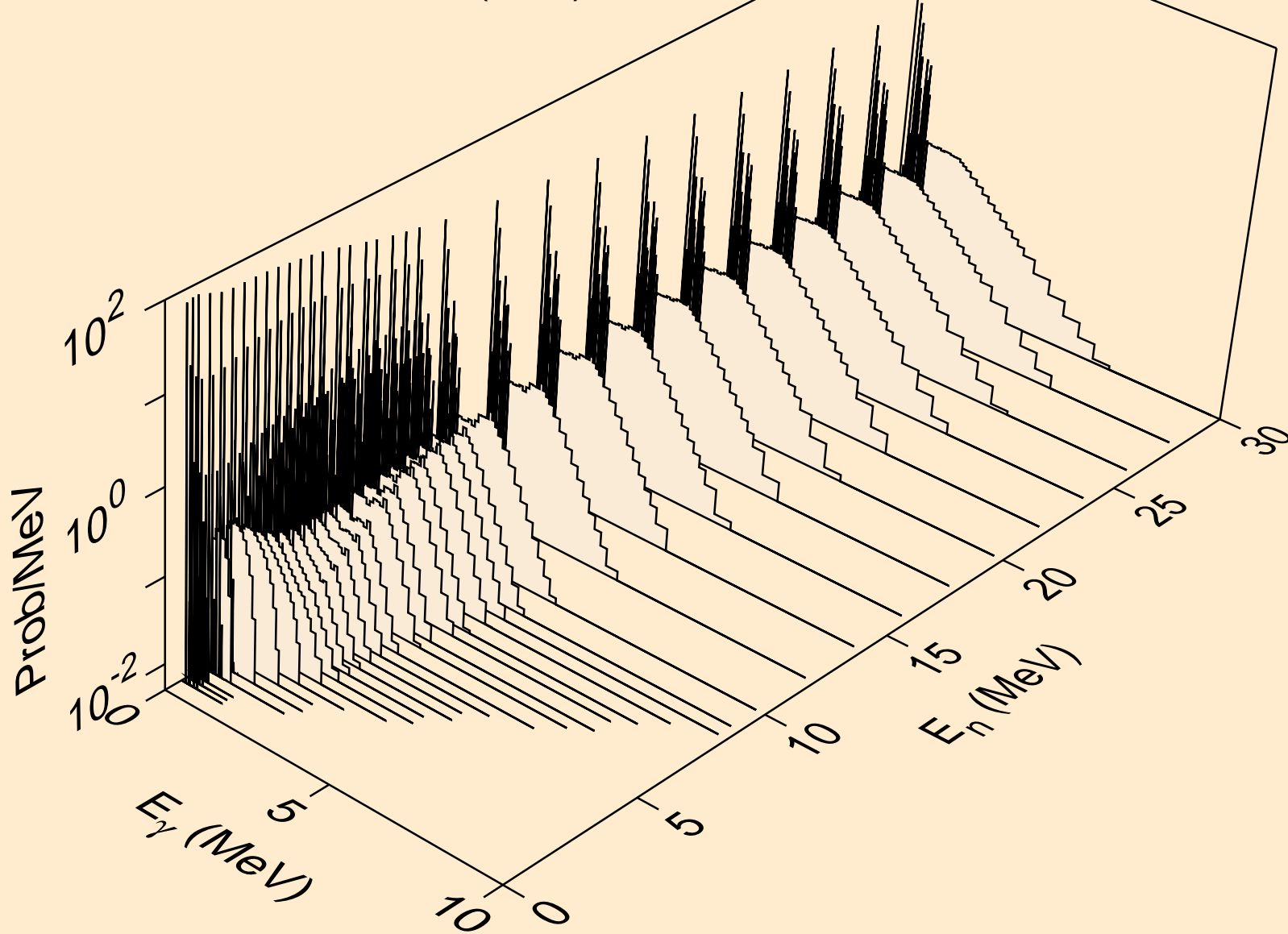
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Photon emission for (n,2n)



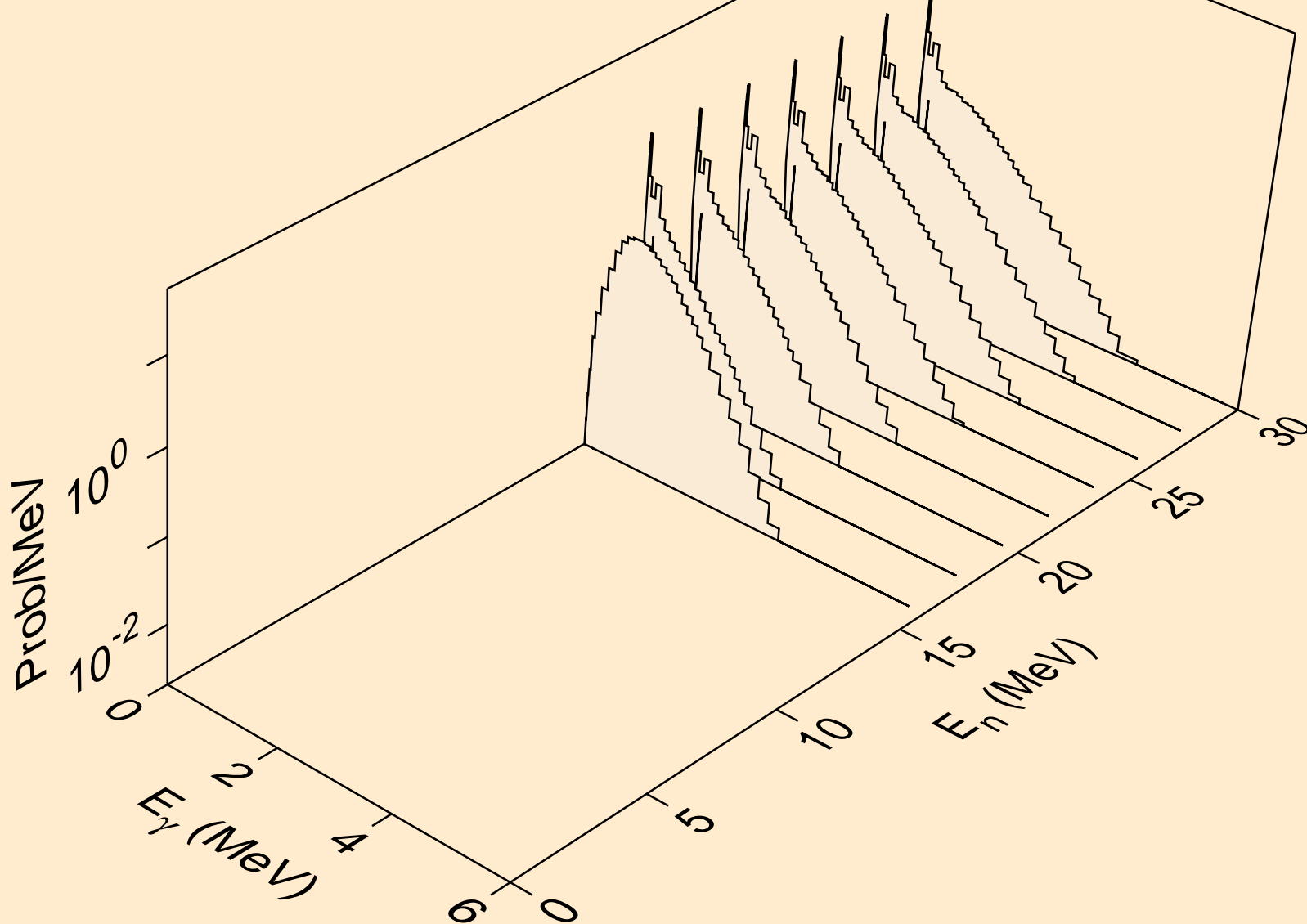
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Photon emission for (n,3n)



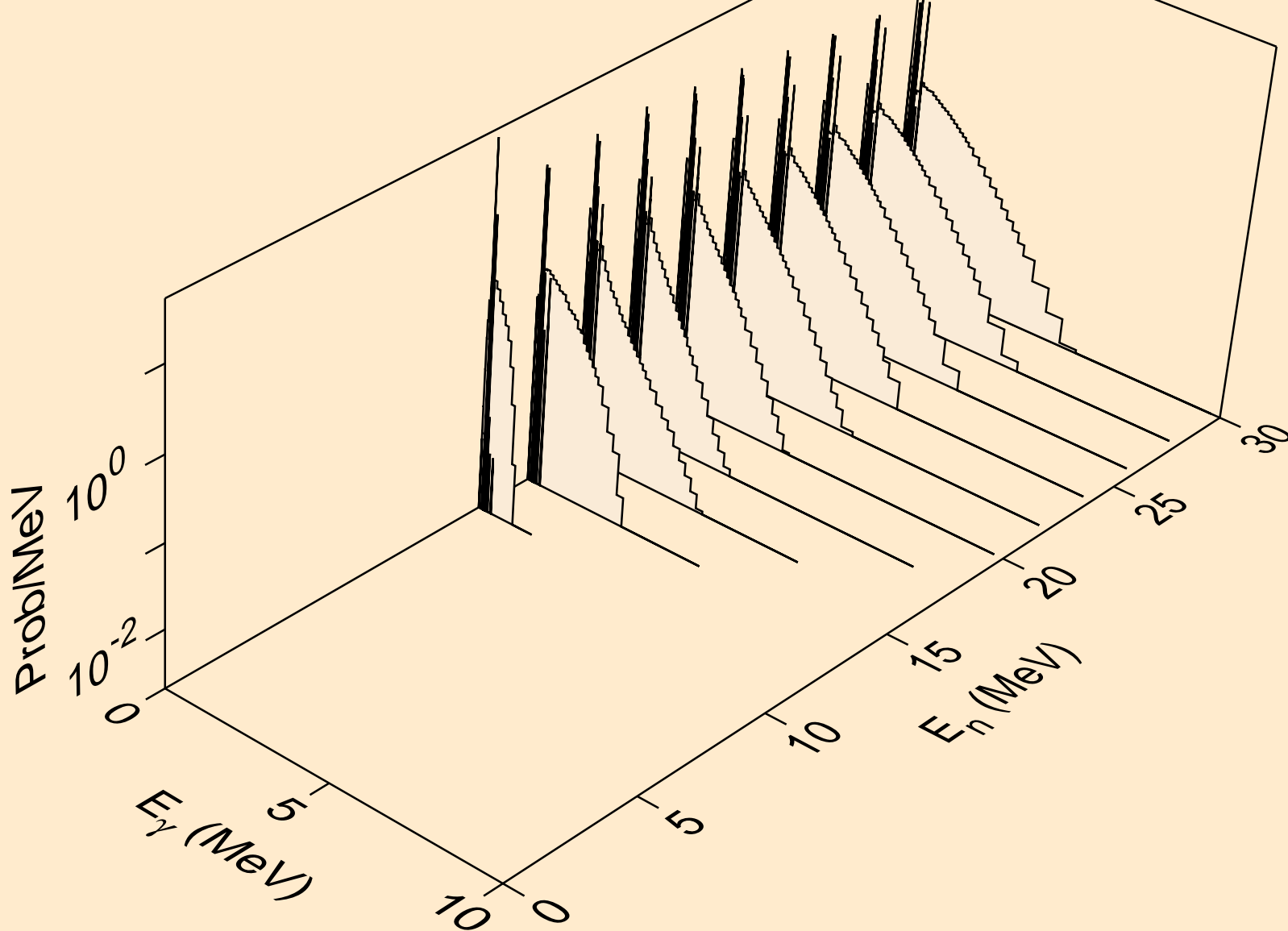
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Photon emission for (n,n\*)a



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a

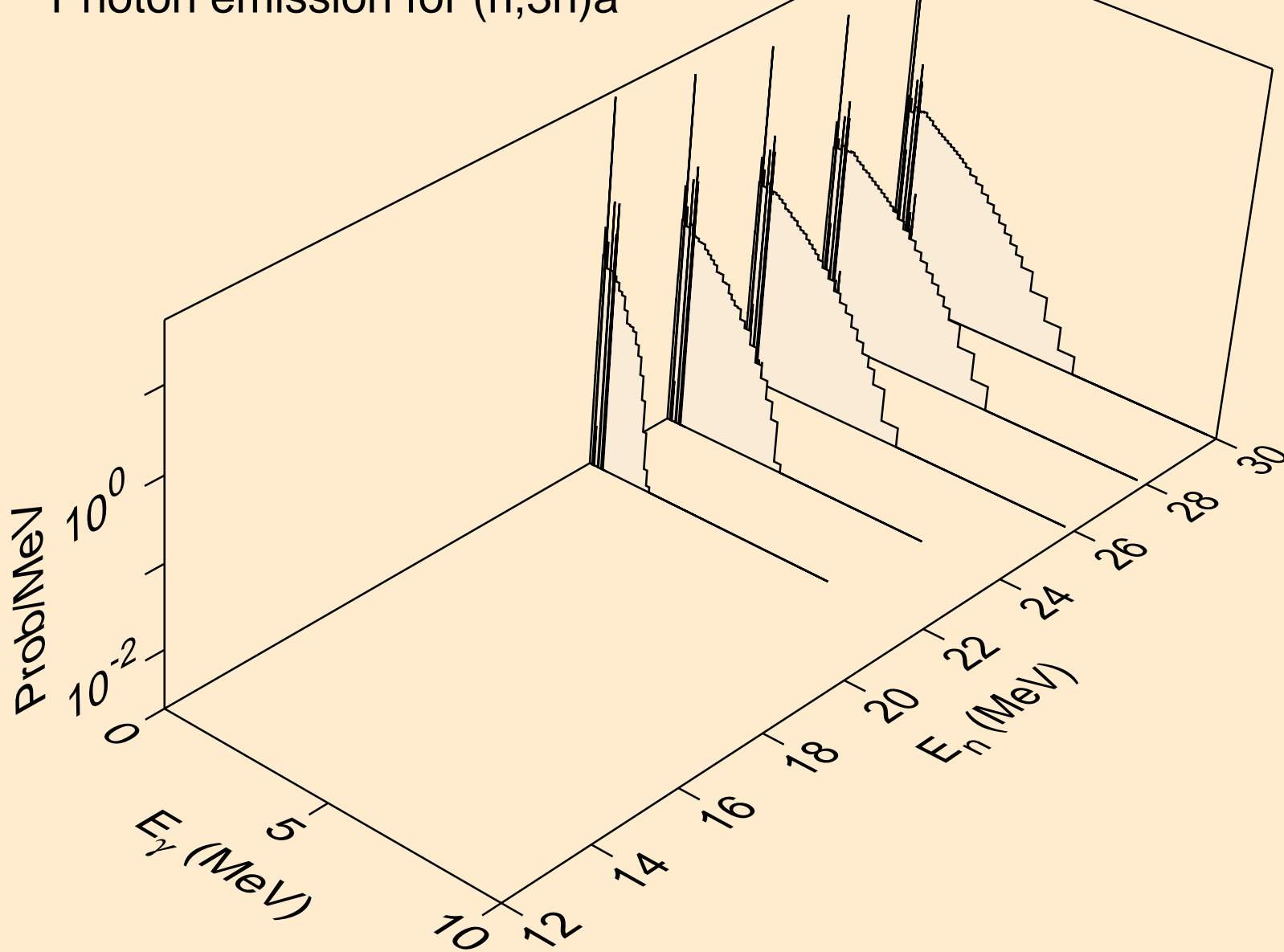


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Photon emission for (n,2n)a

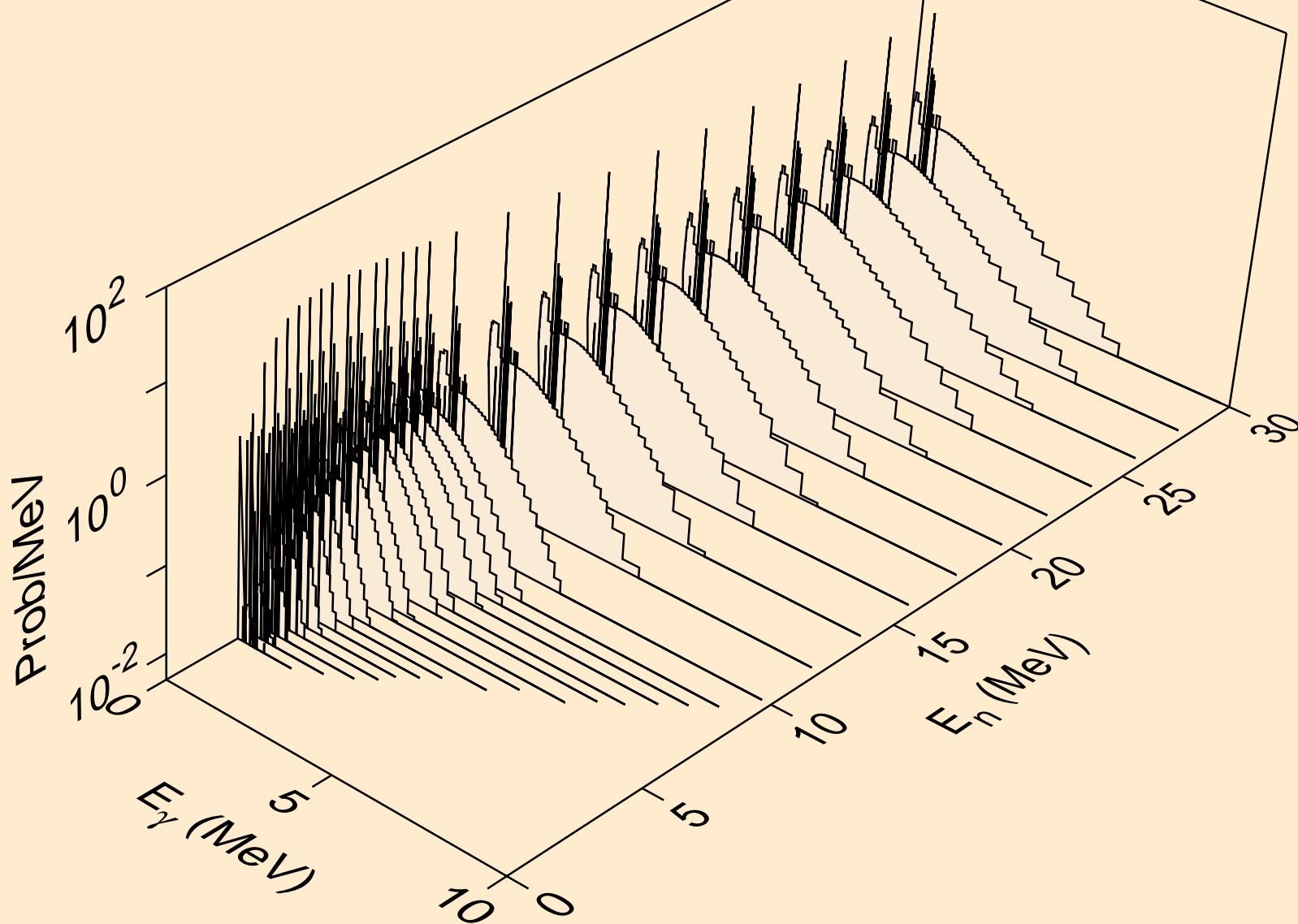




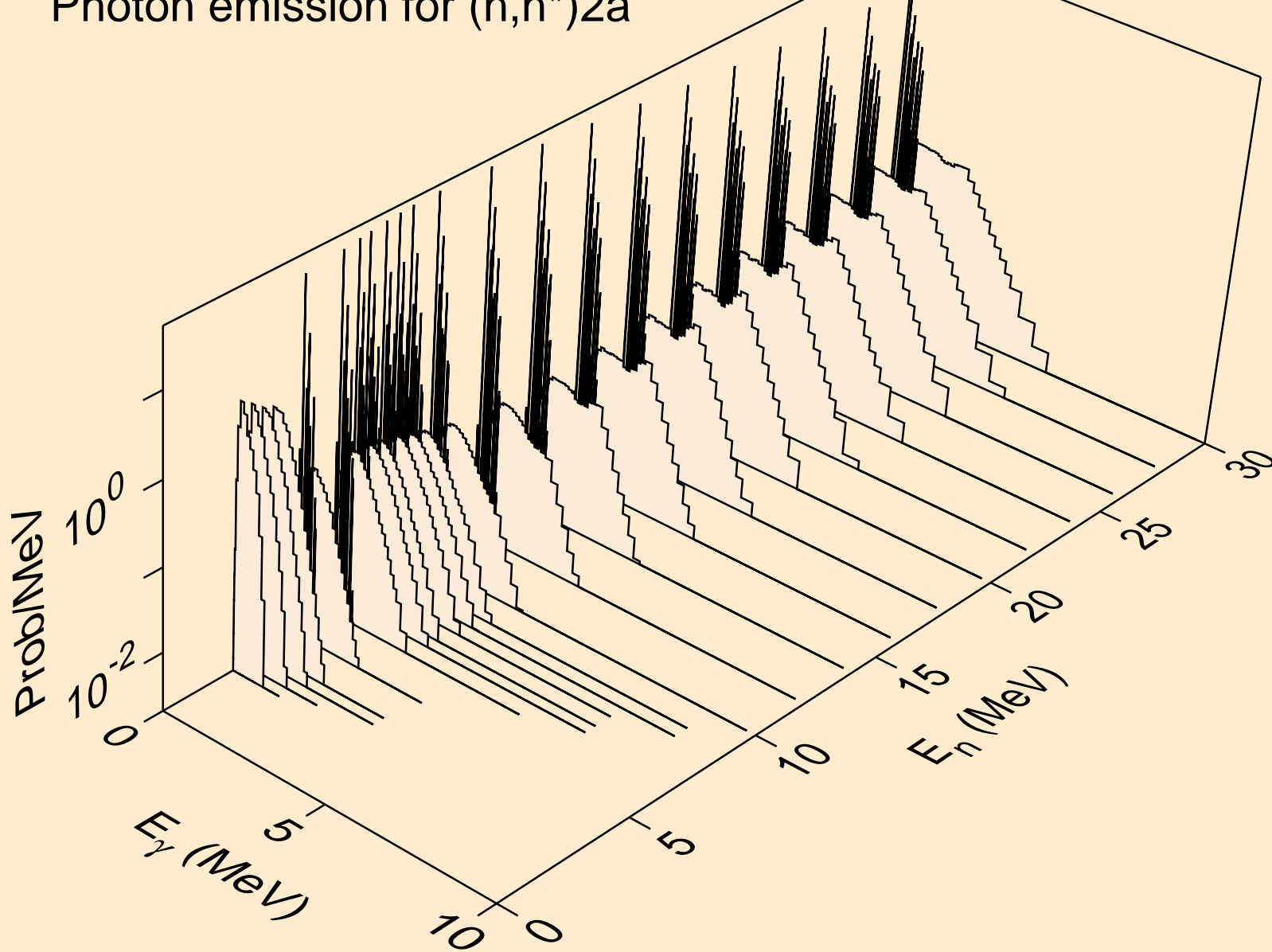
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Photon emission for (n,3n)a



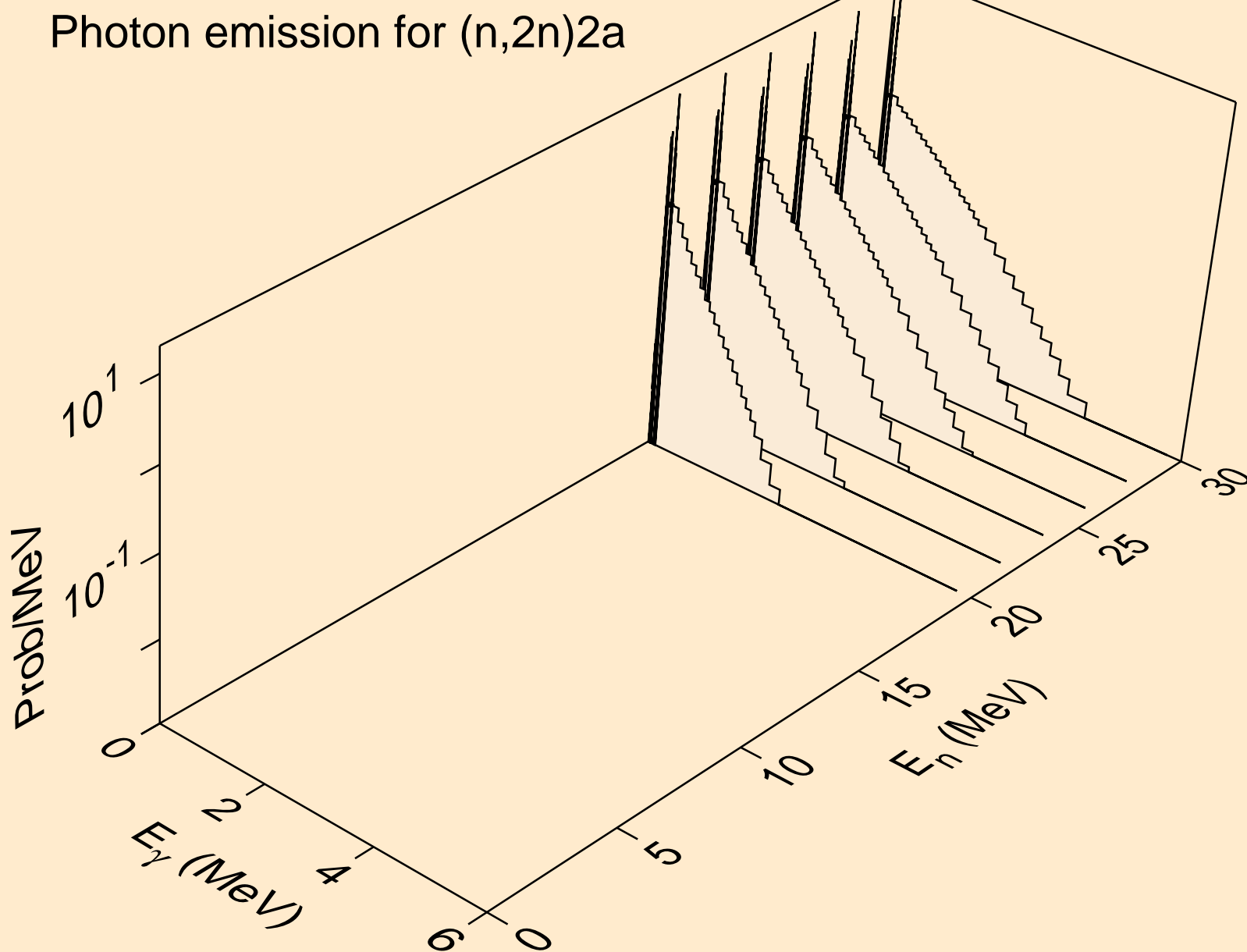
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Photon emission for (n,n\*)p



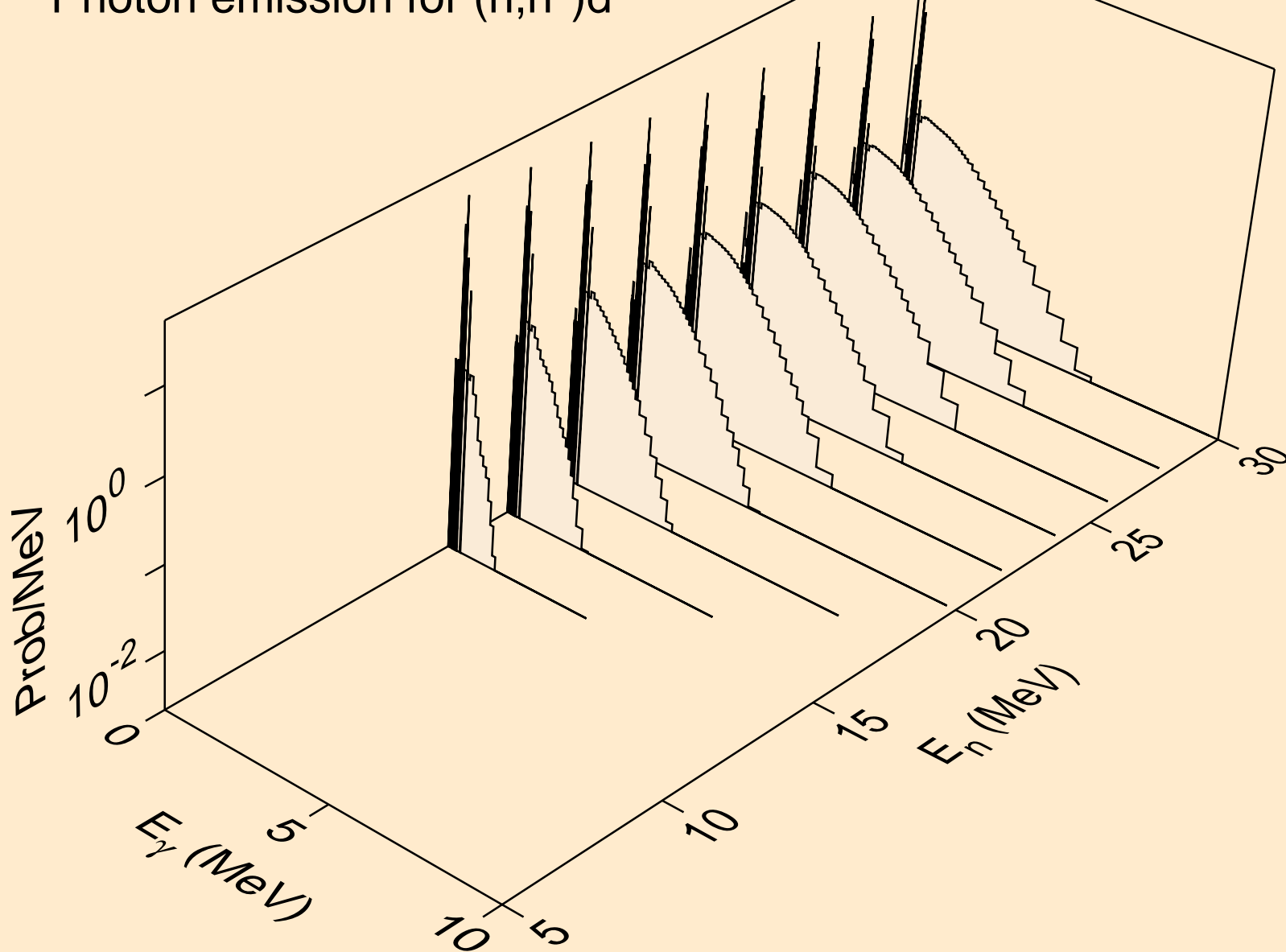
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Photon emission for (n,n\*)2a



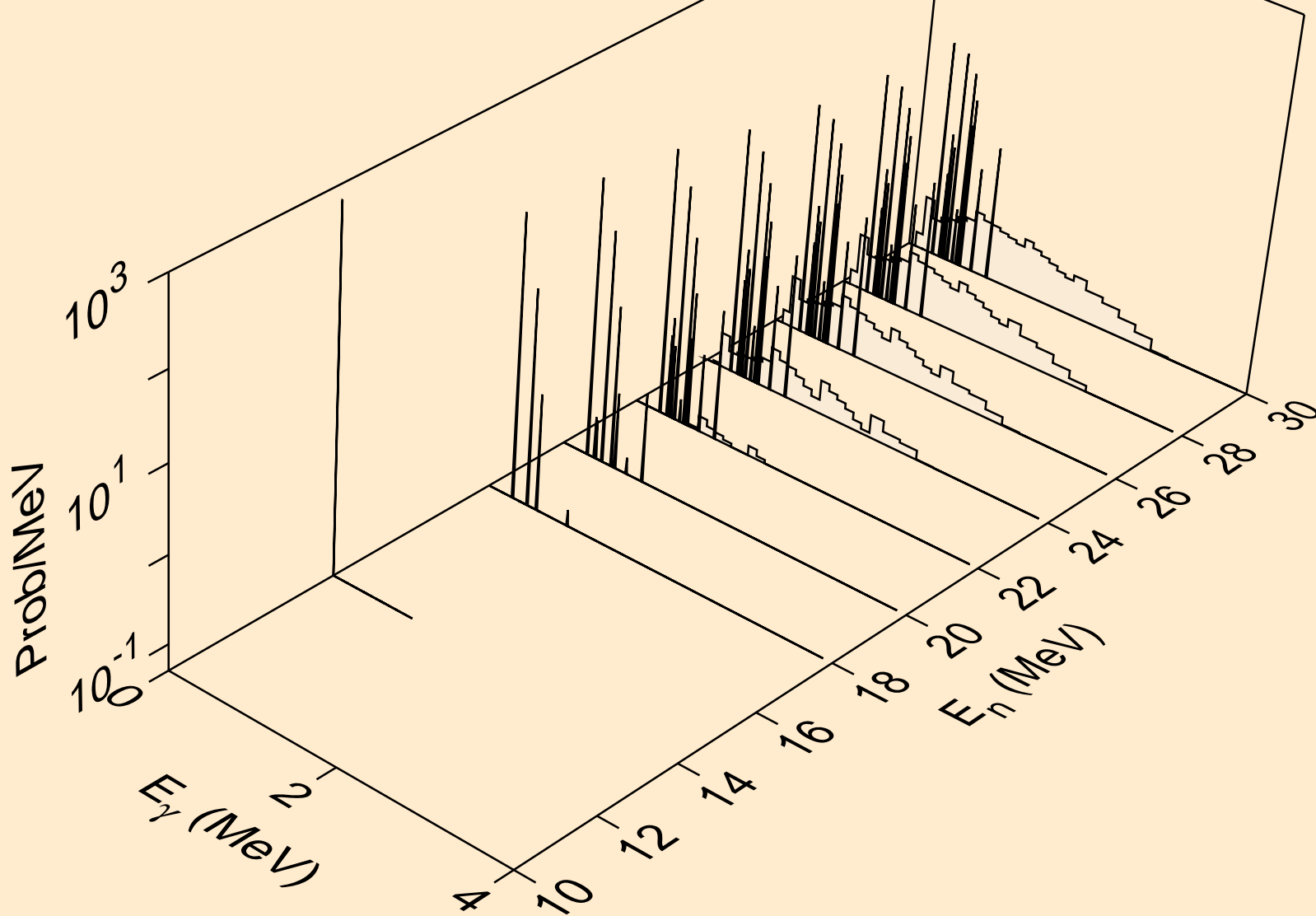
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Photon emission for (n,2n)2a



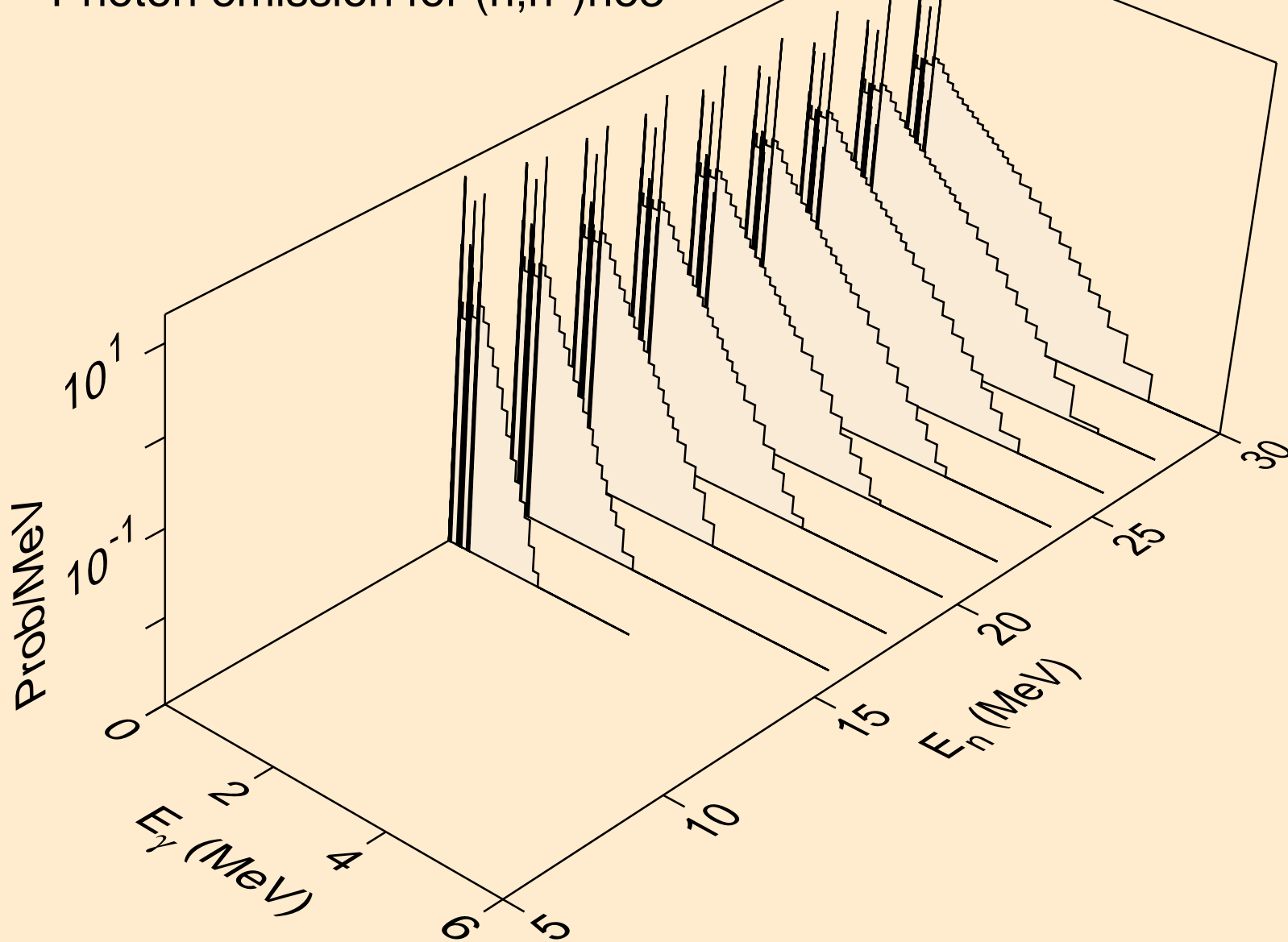
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Photon emission for (n,n\*)d



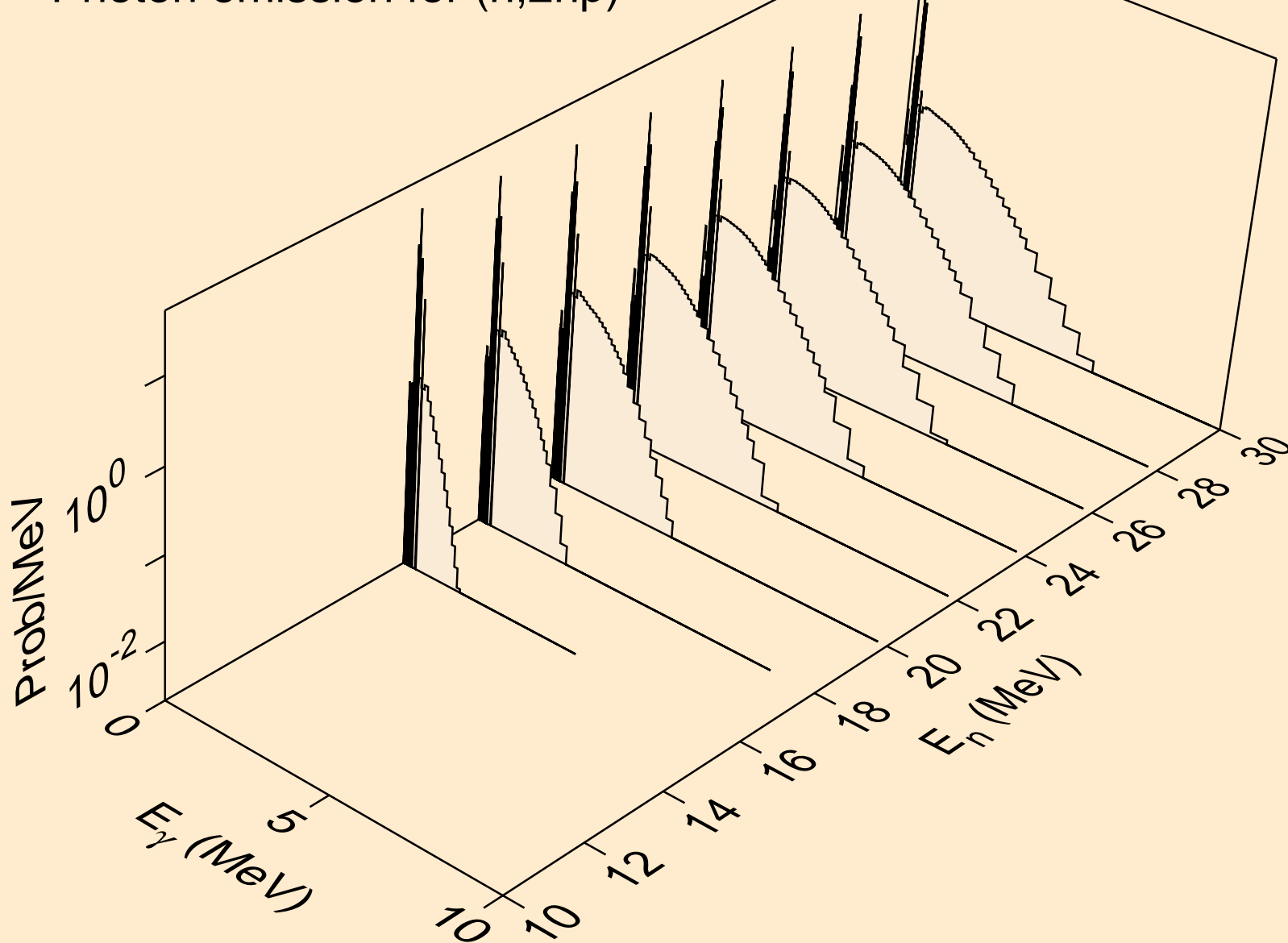
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Photon emission for (n,n\*)t



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

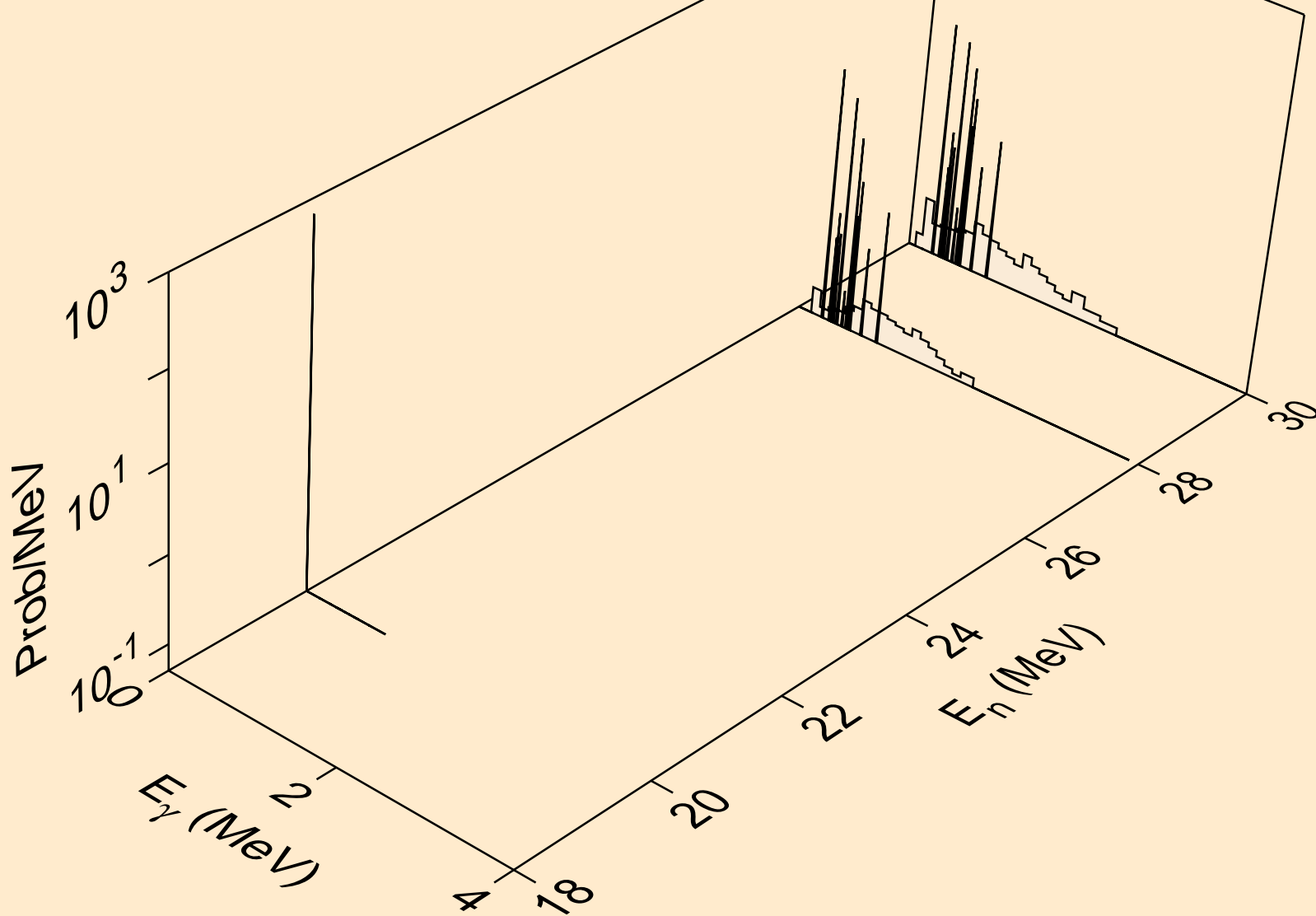


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Photon emission for (n,2np)

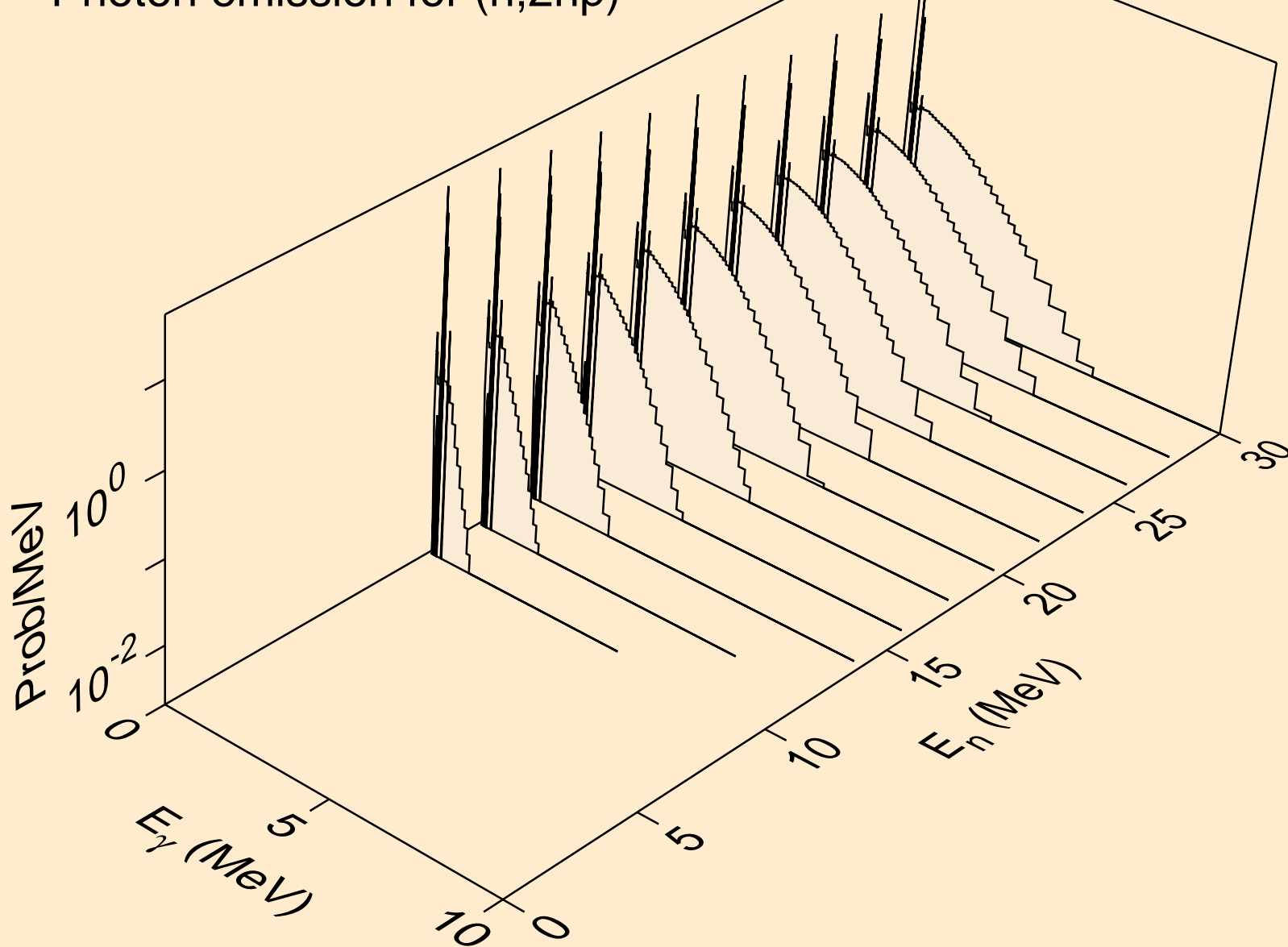




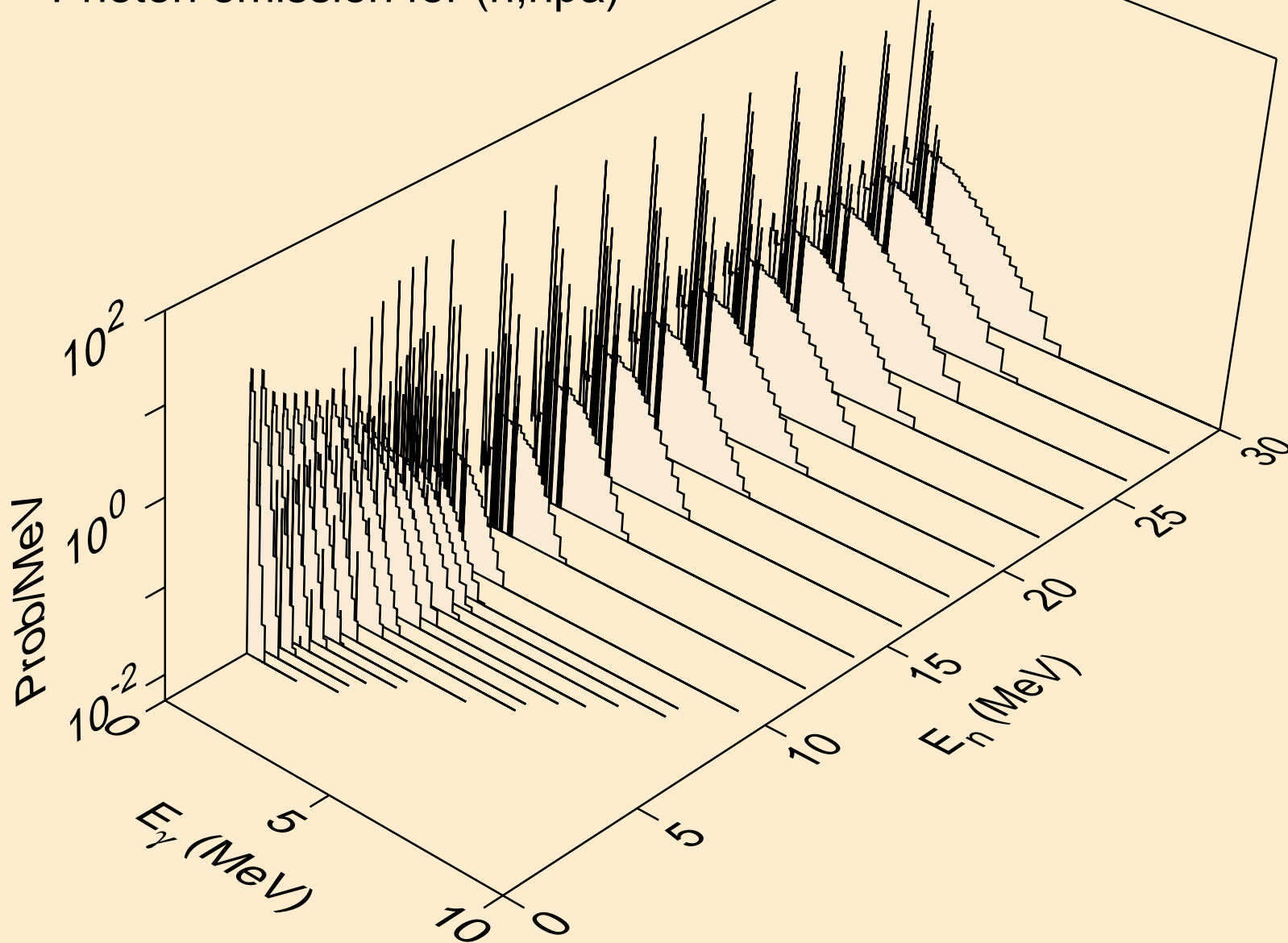
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Photon emission for (n,3np)



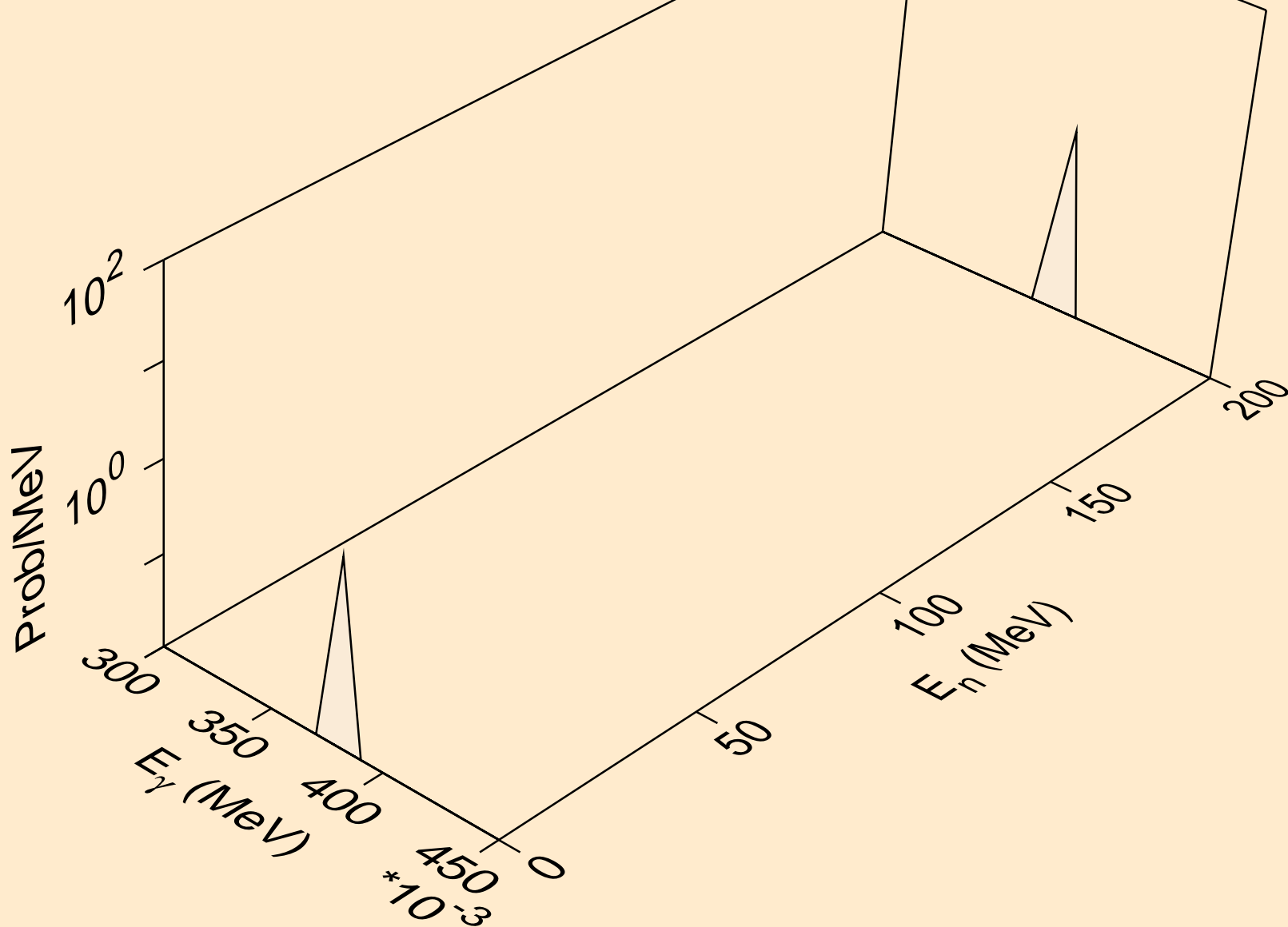
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Photon emission for (n,2np)



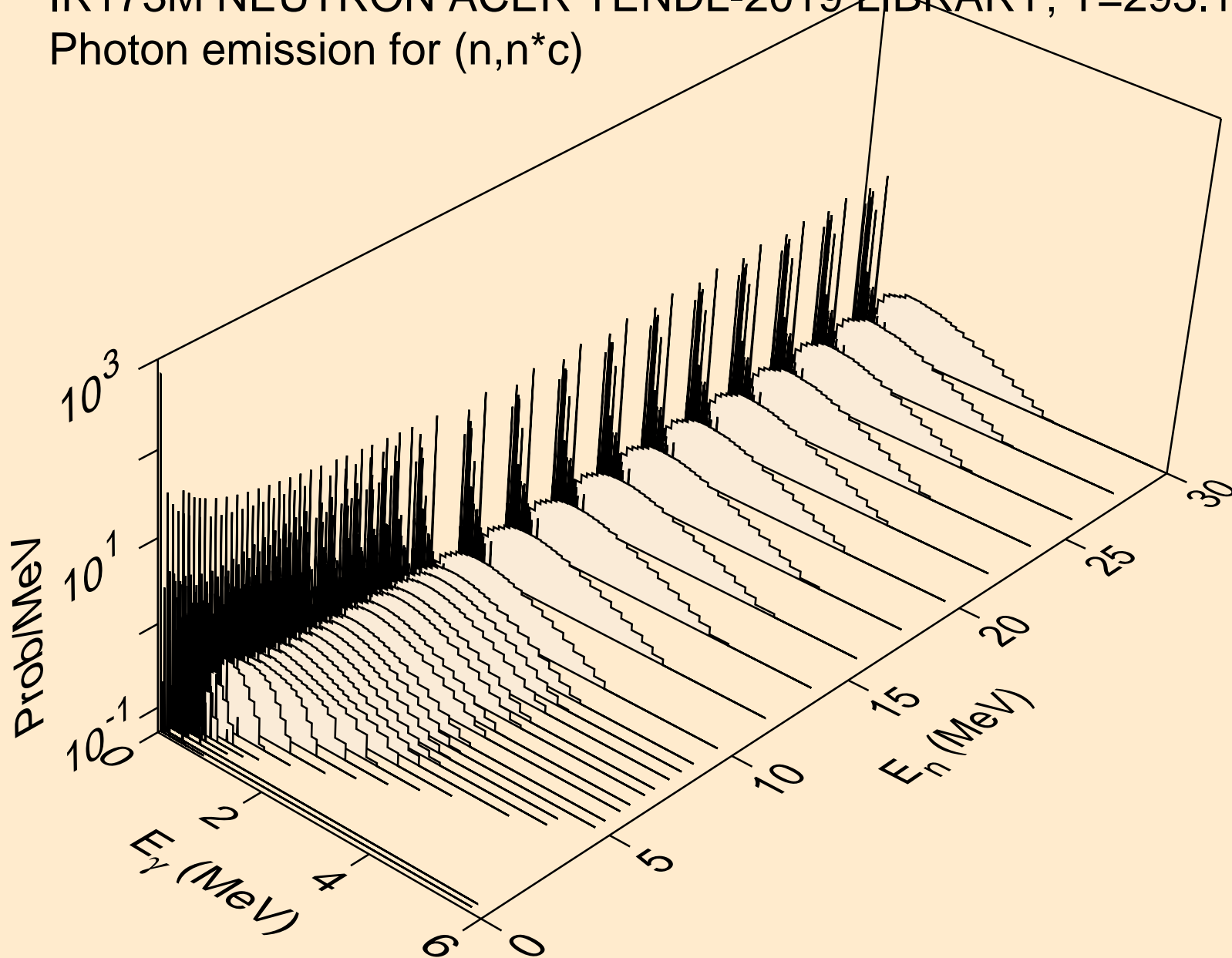
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Photon emission for (n,npa)



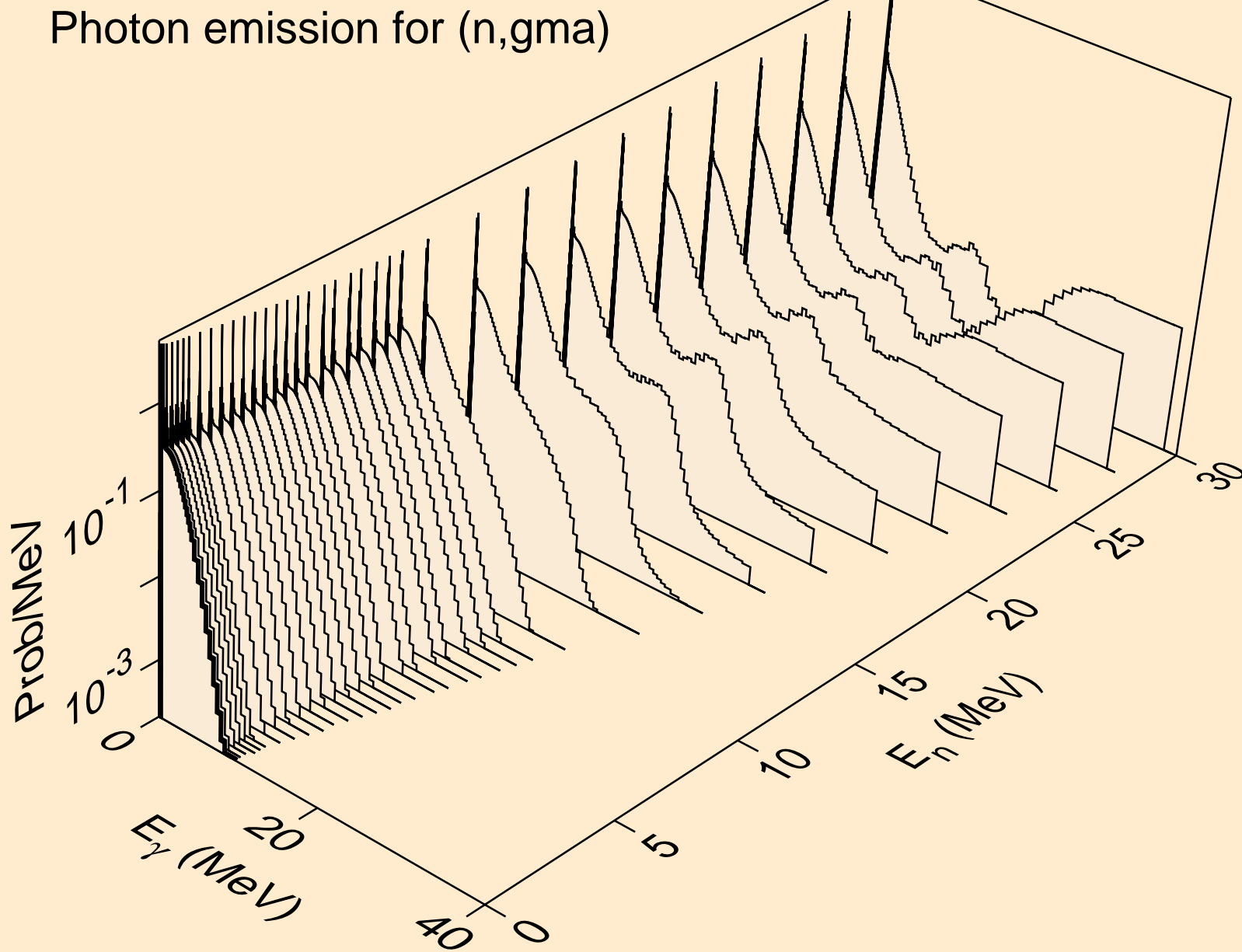
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Photon emission for (n,n\*2)



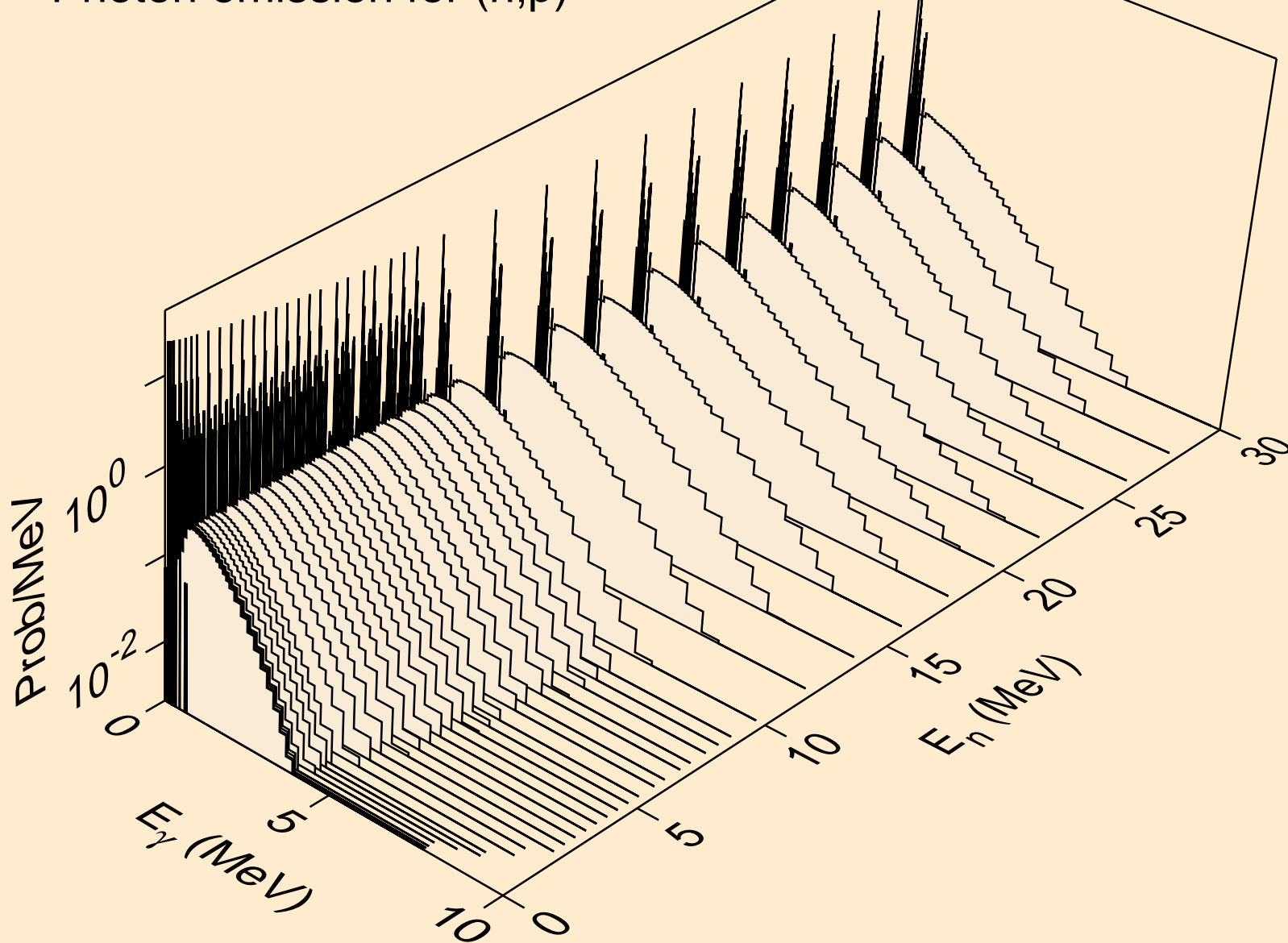
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Photon emission for (n,n\*c)



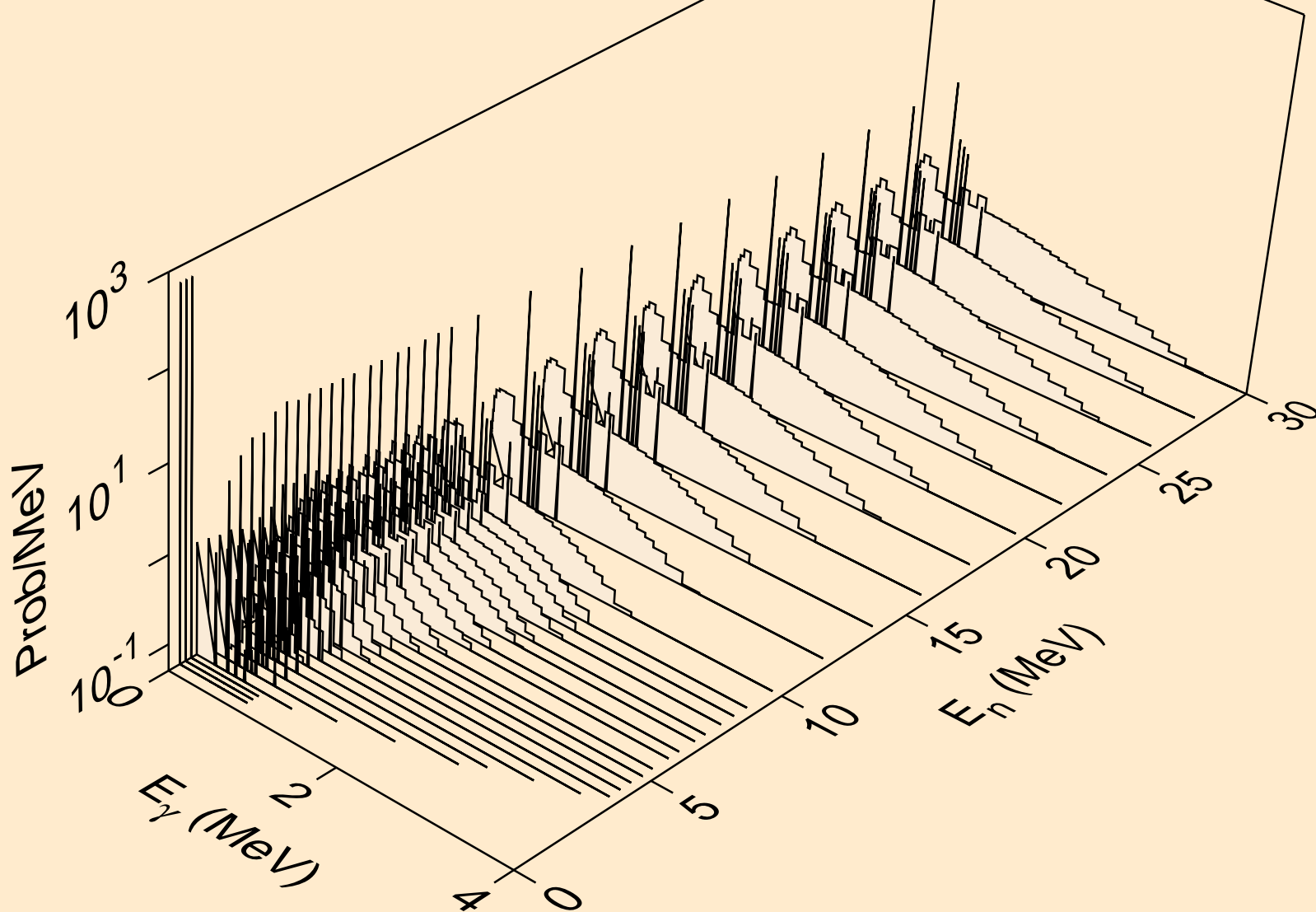
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Photon emission for (n,gma)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

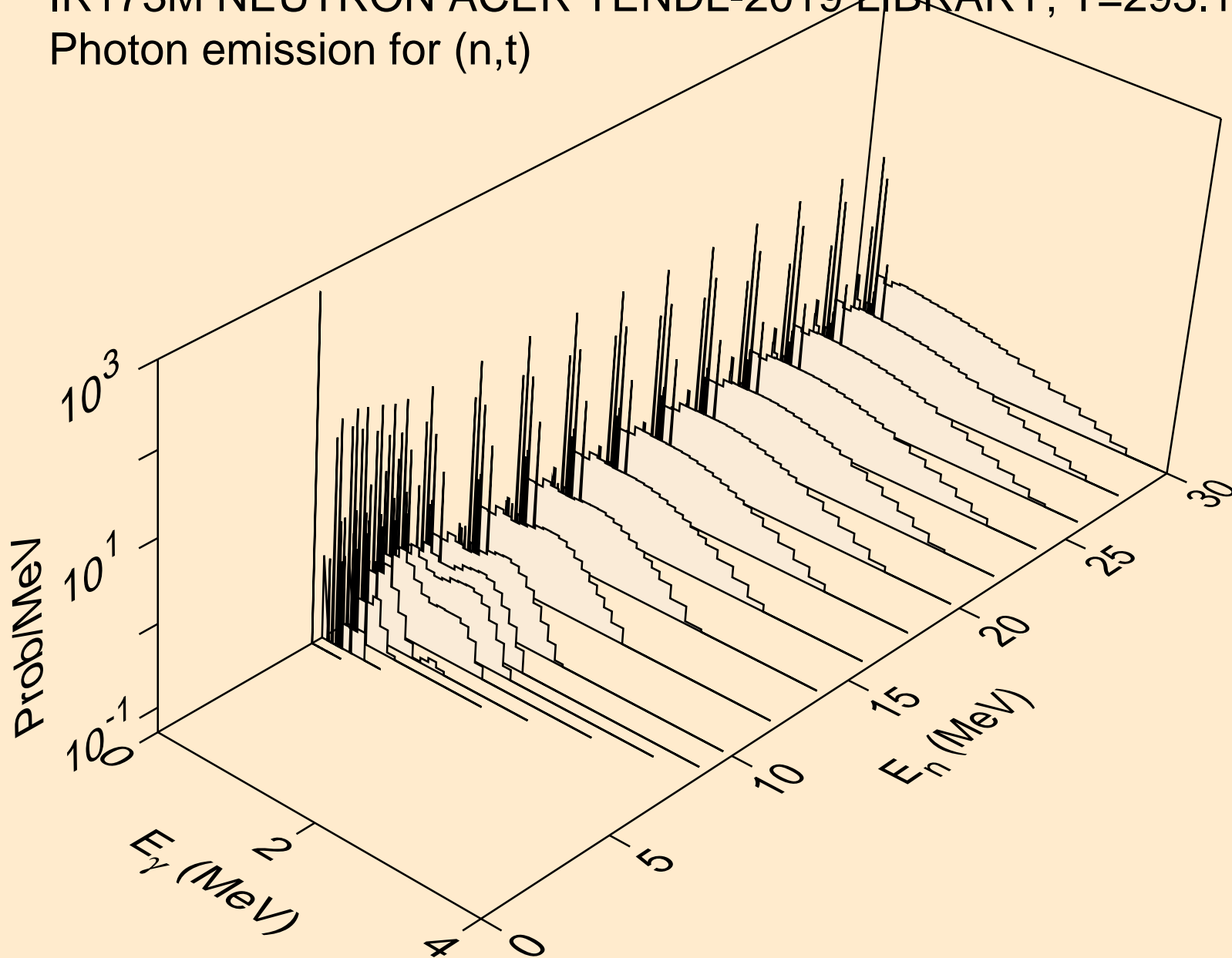


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Photon emission for (n,d)

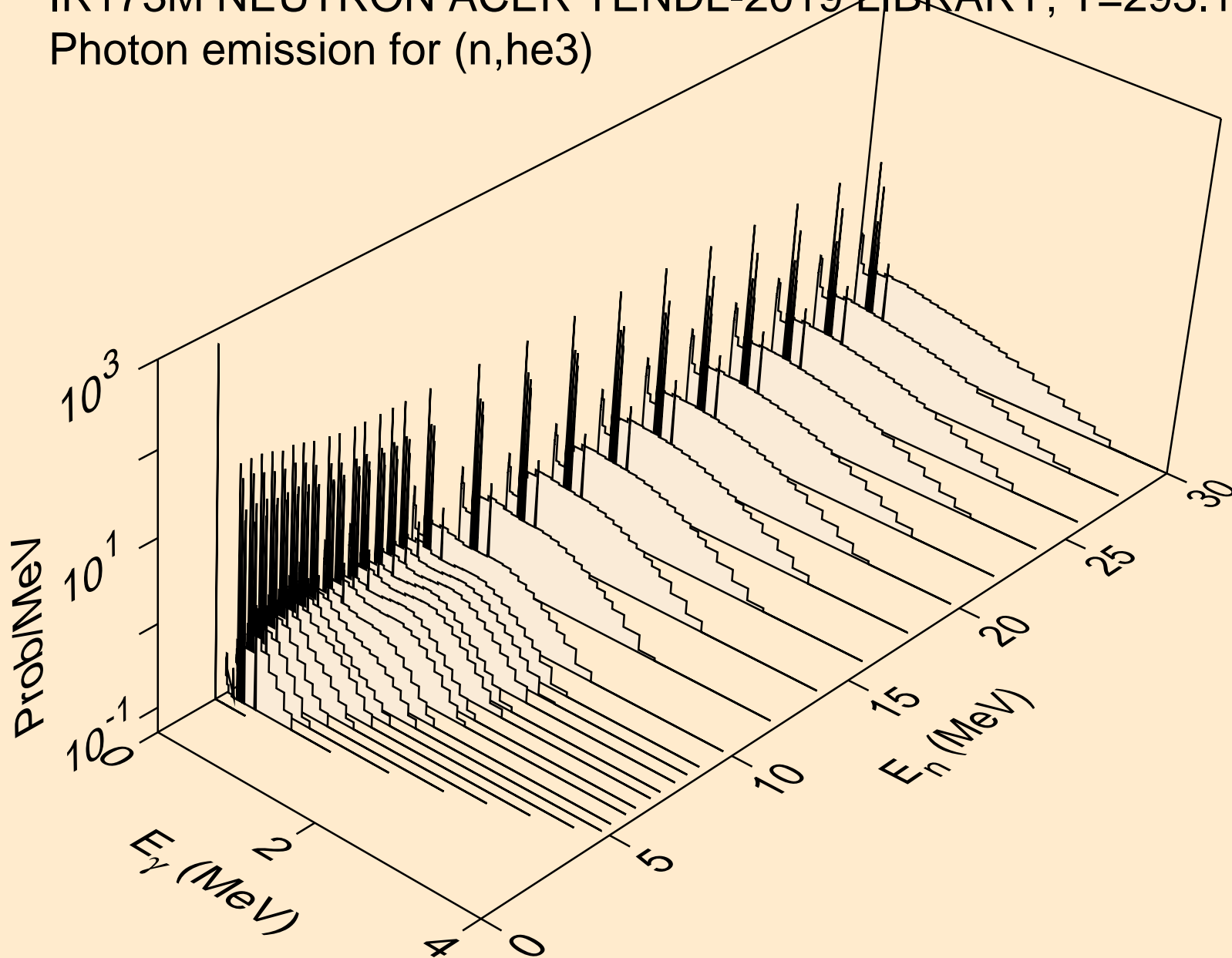




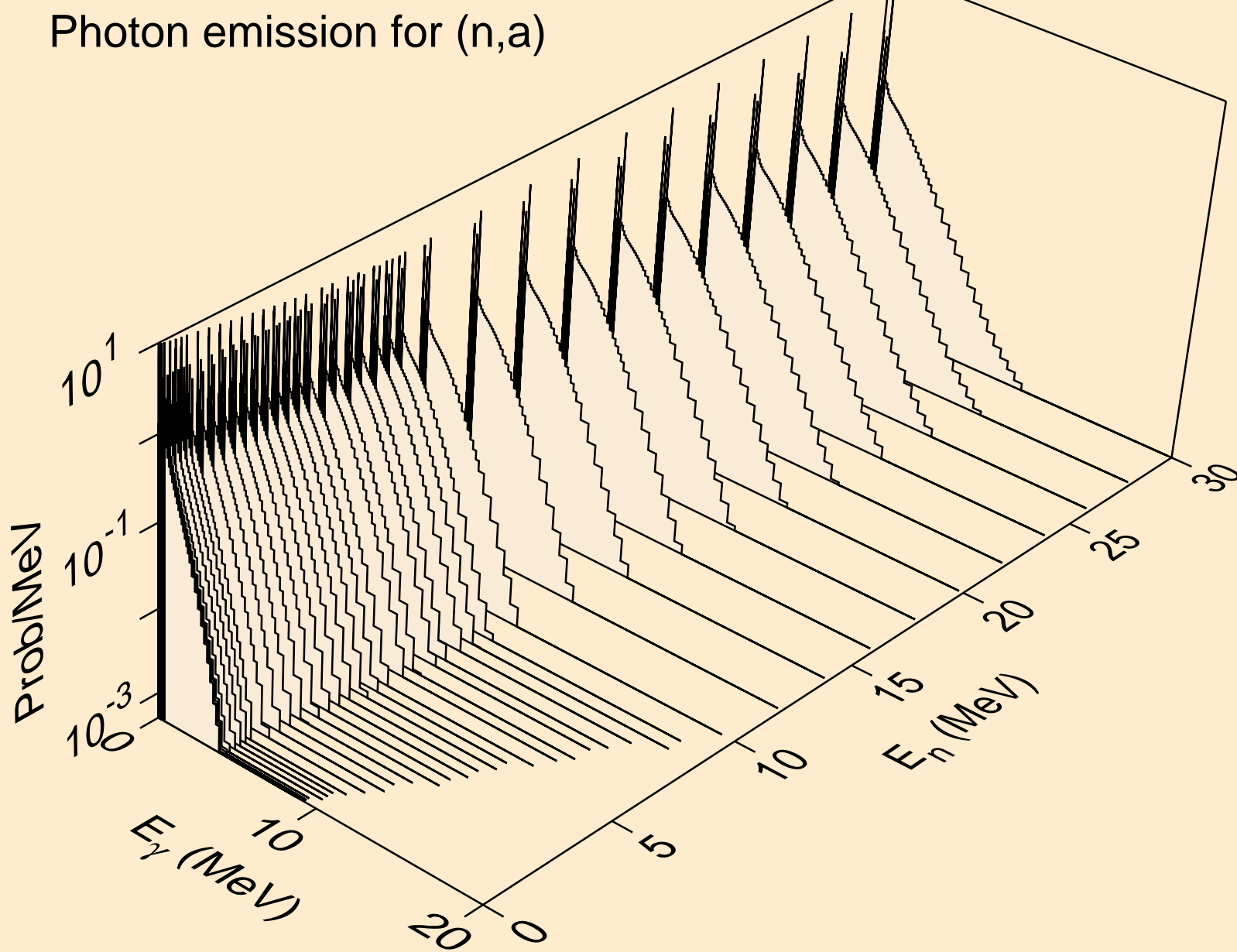
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Photon emission for (n,t)



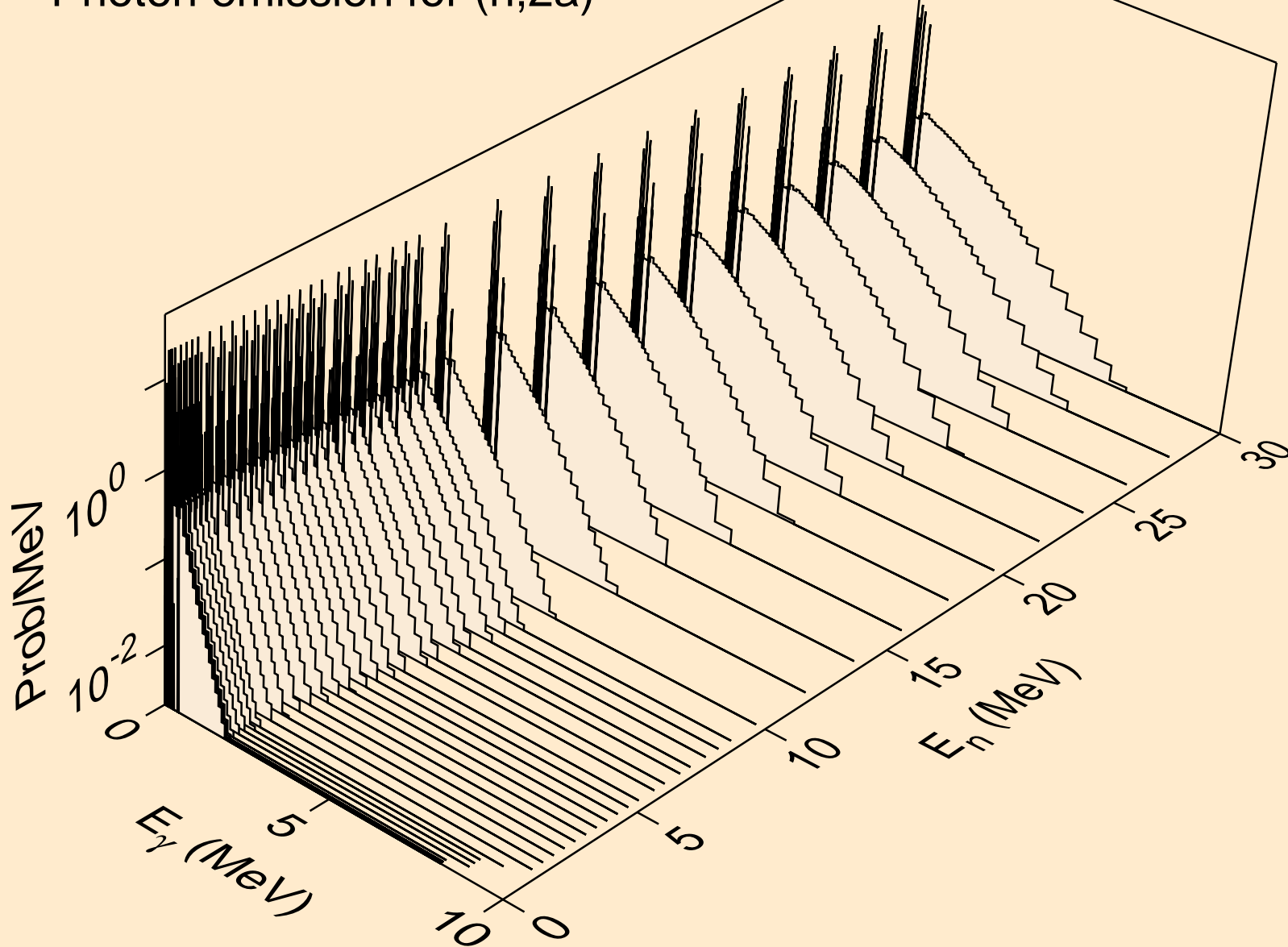
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Photon emission for (n,he3)



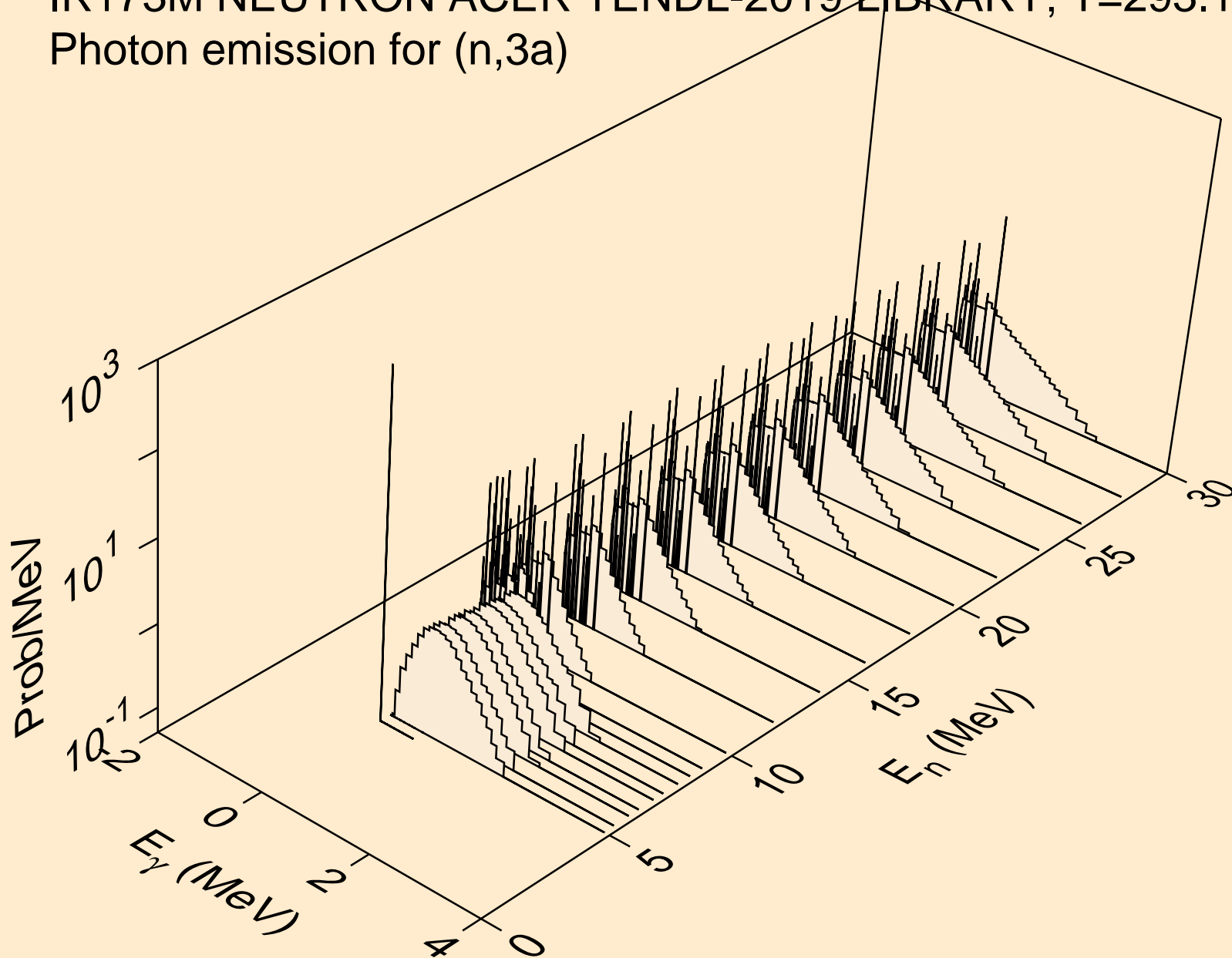
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Photon emission for (n,a)



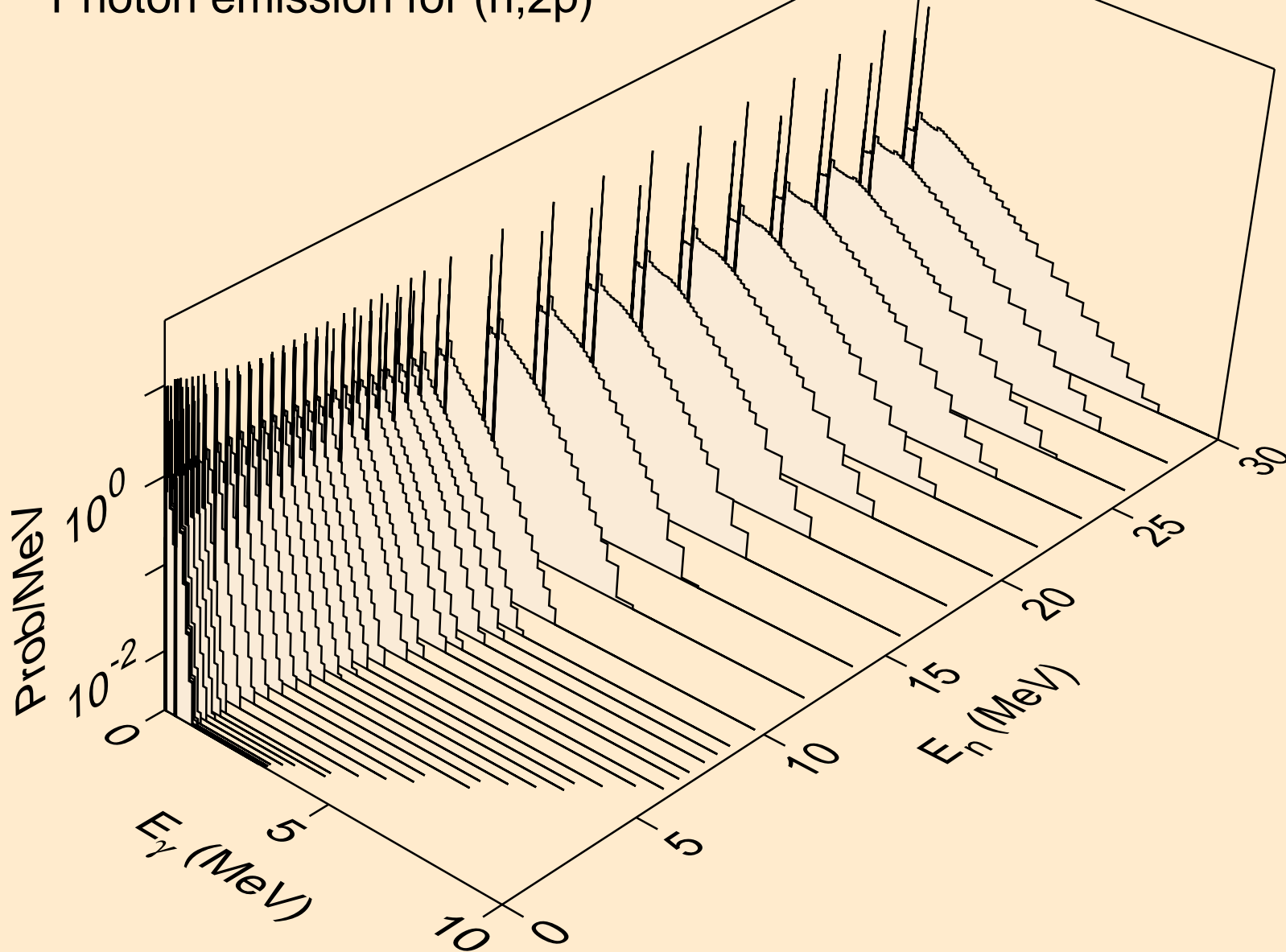
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



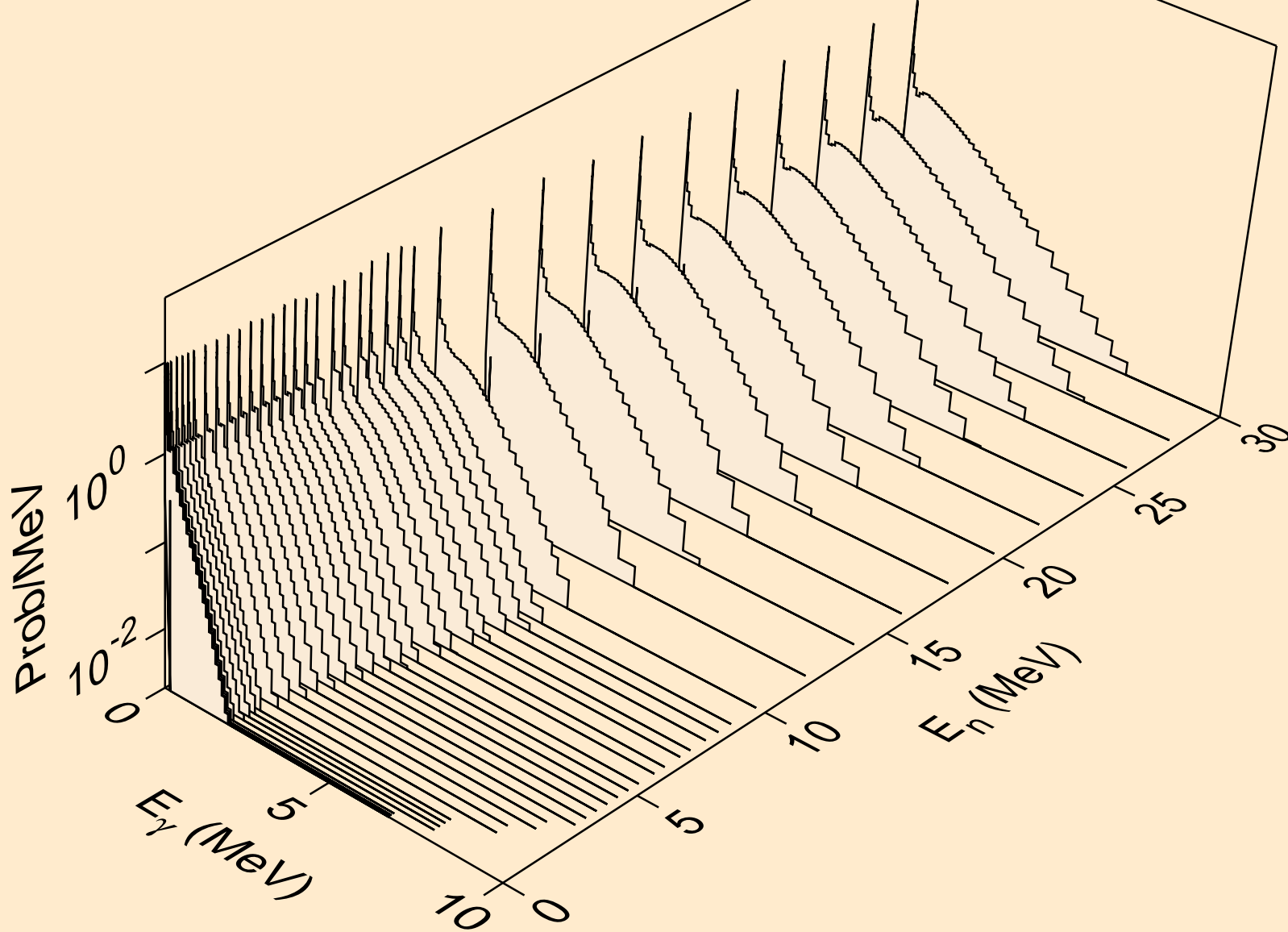
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)



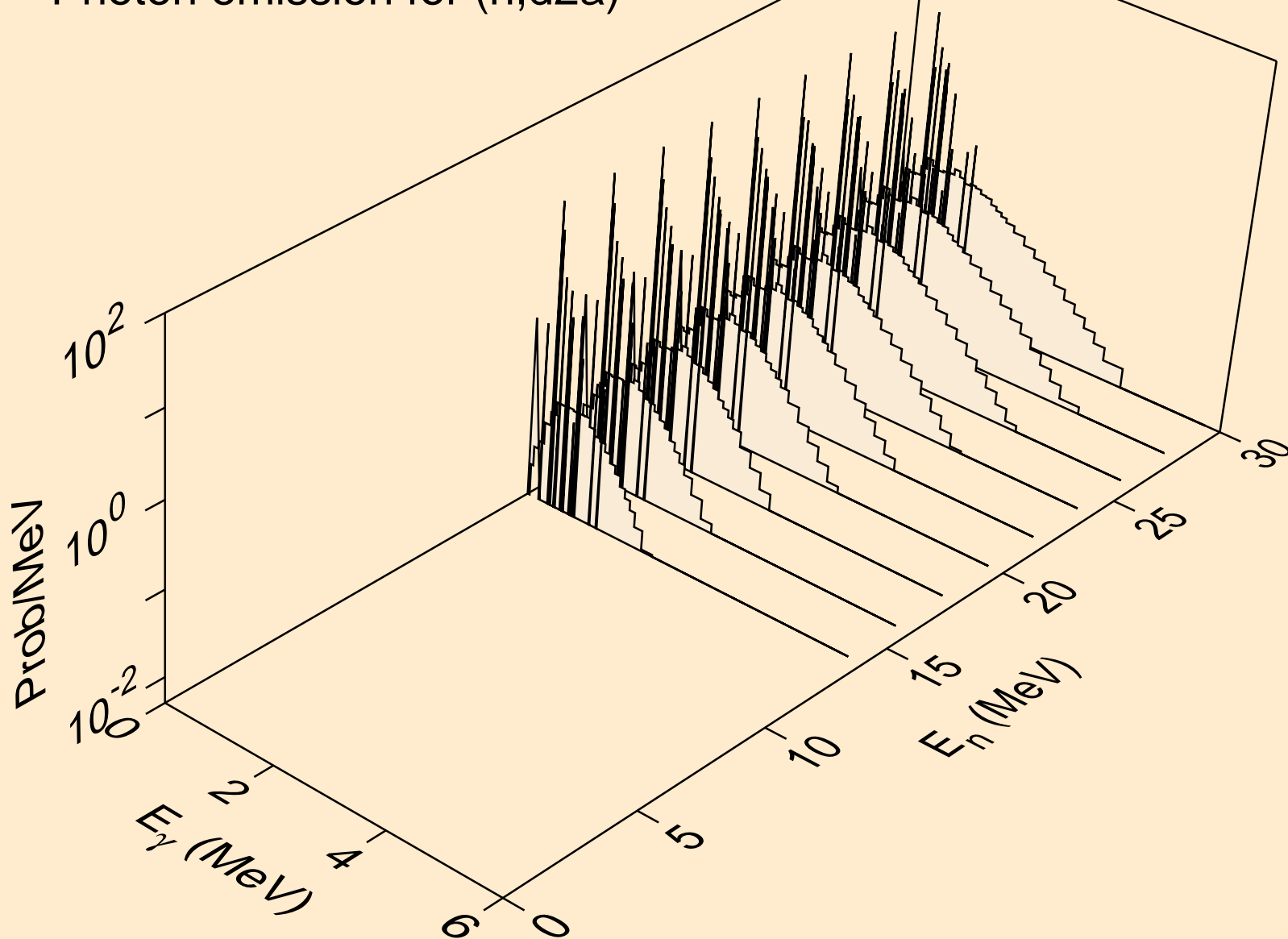
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

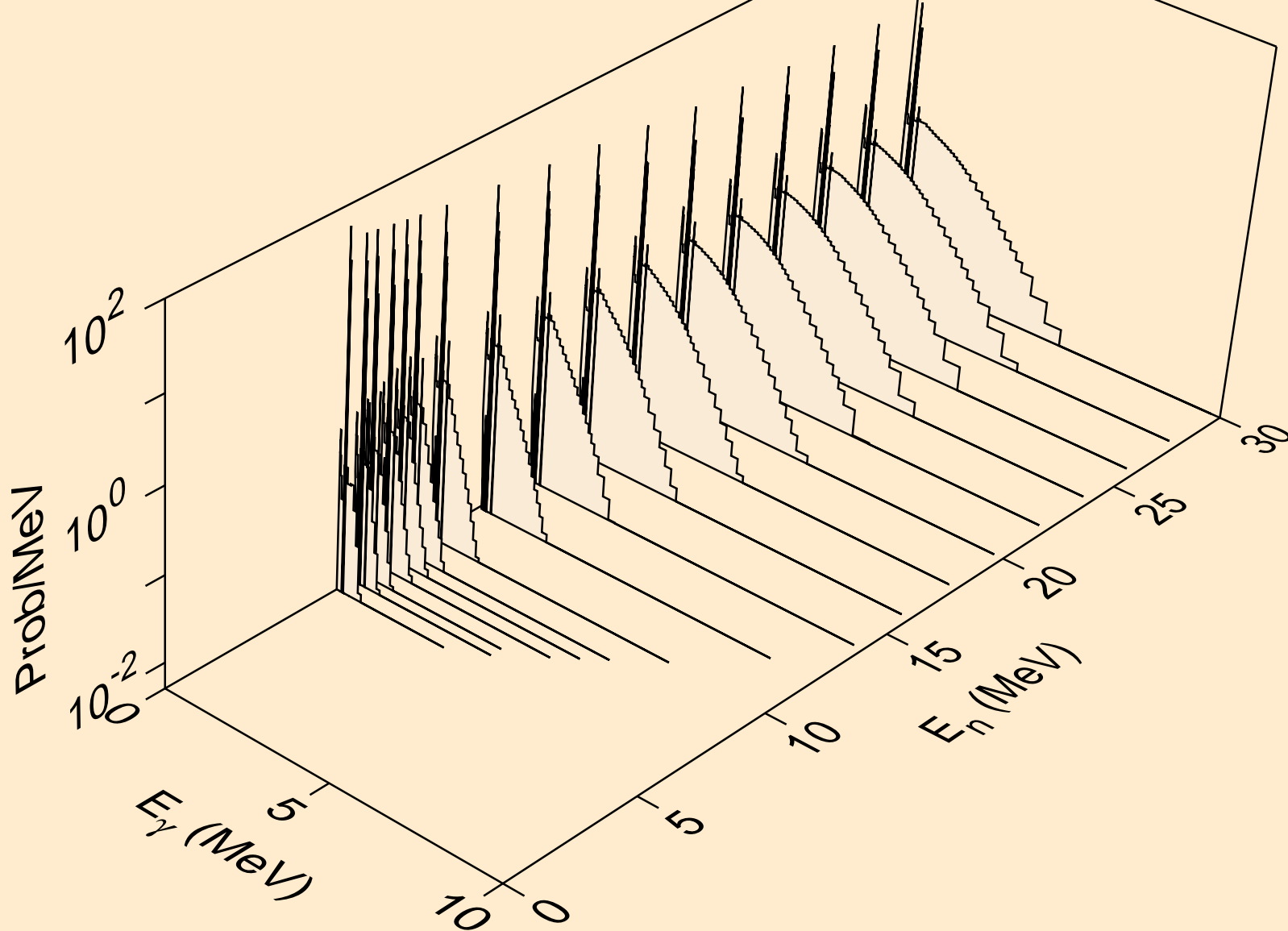


IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d2a)

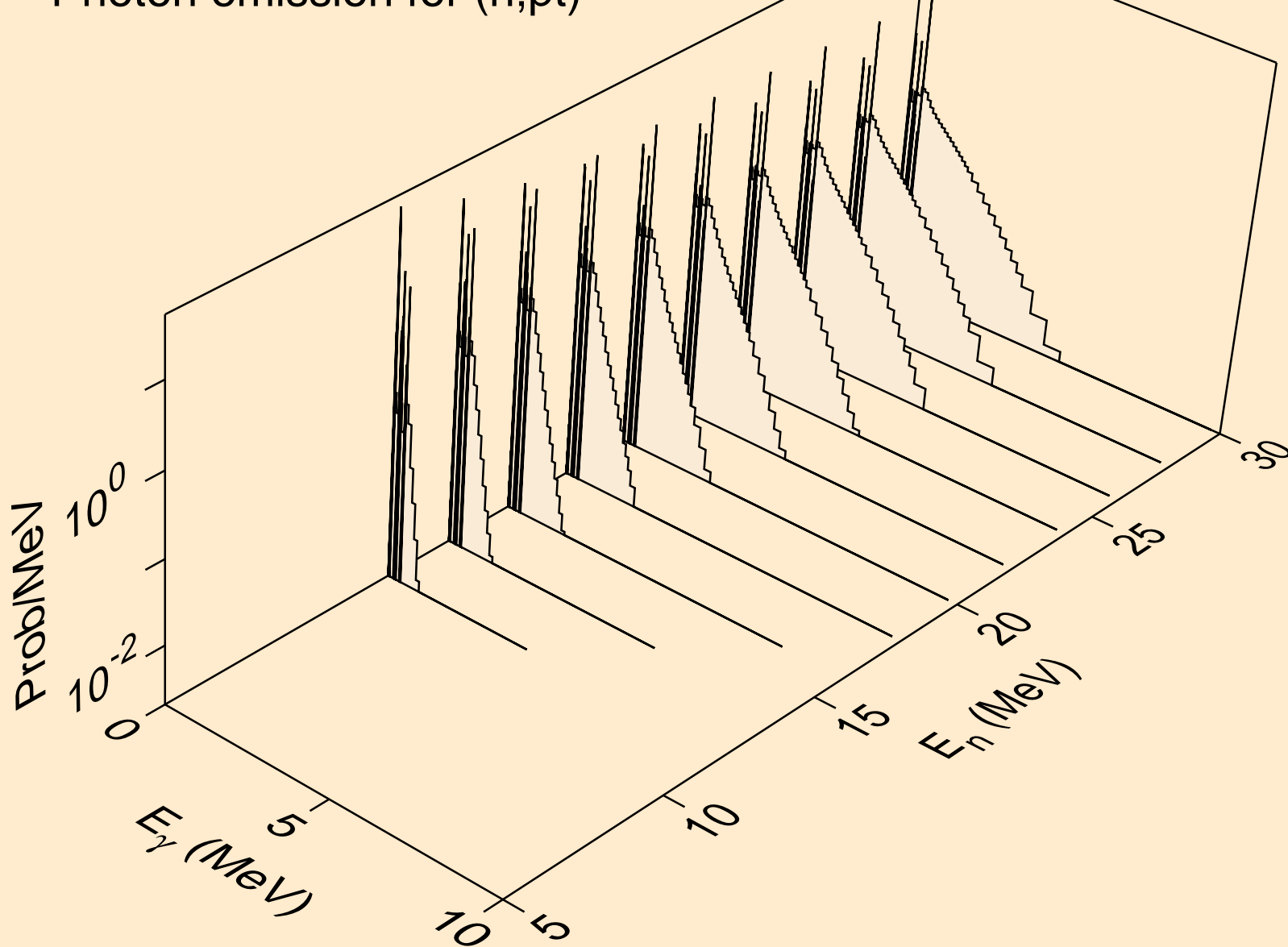




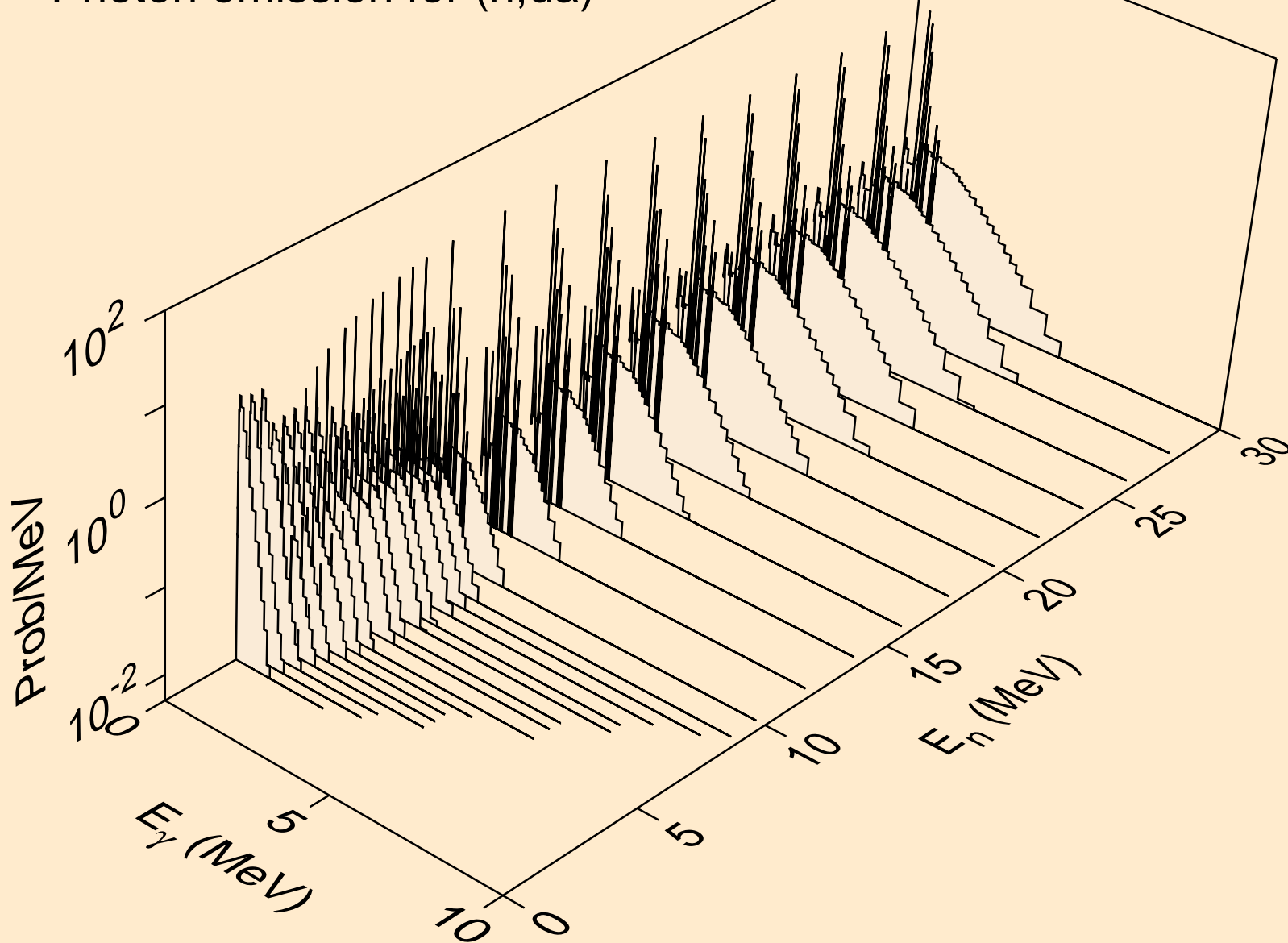
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



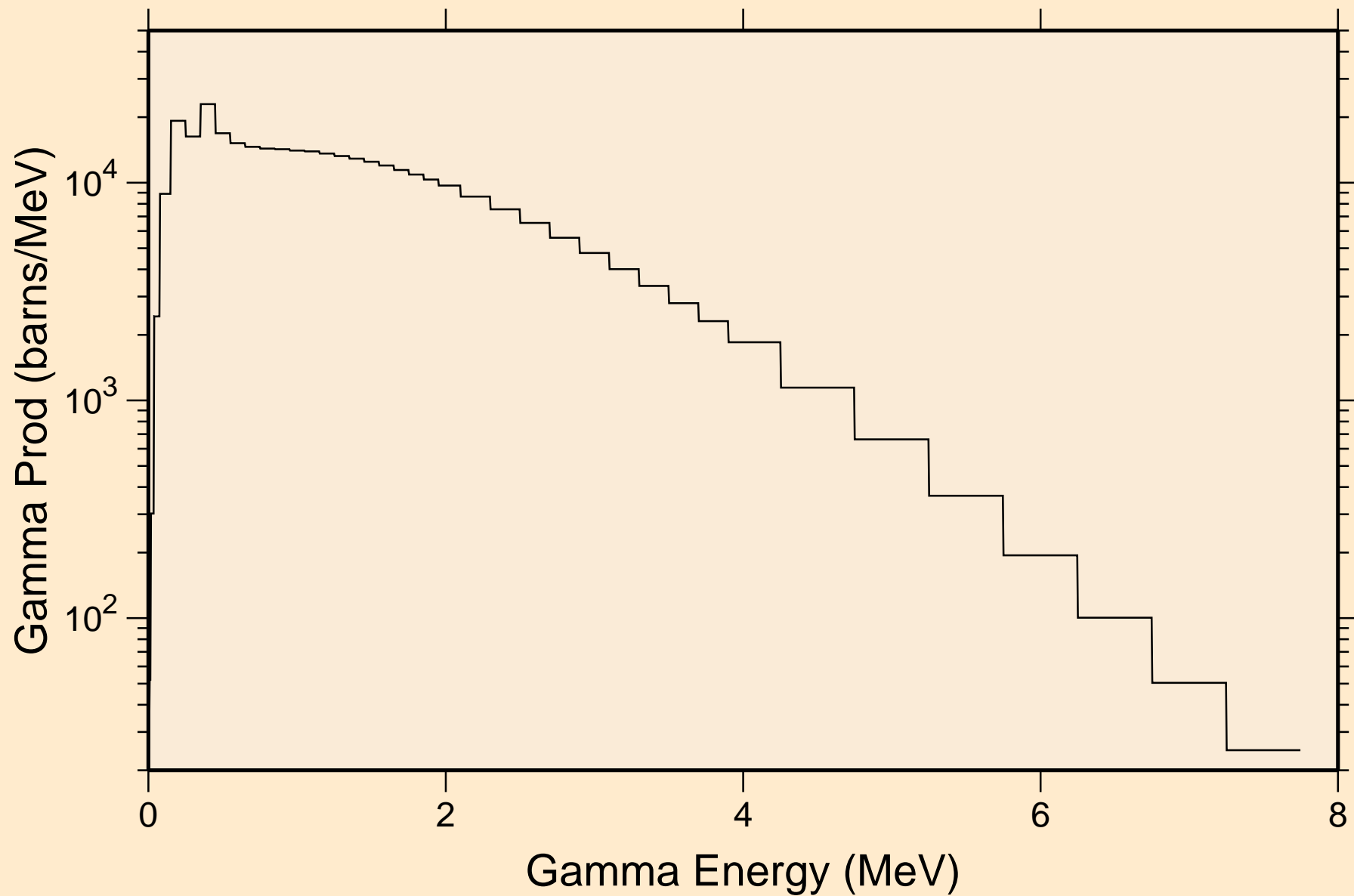
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



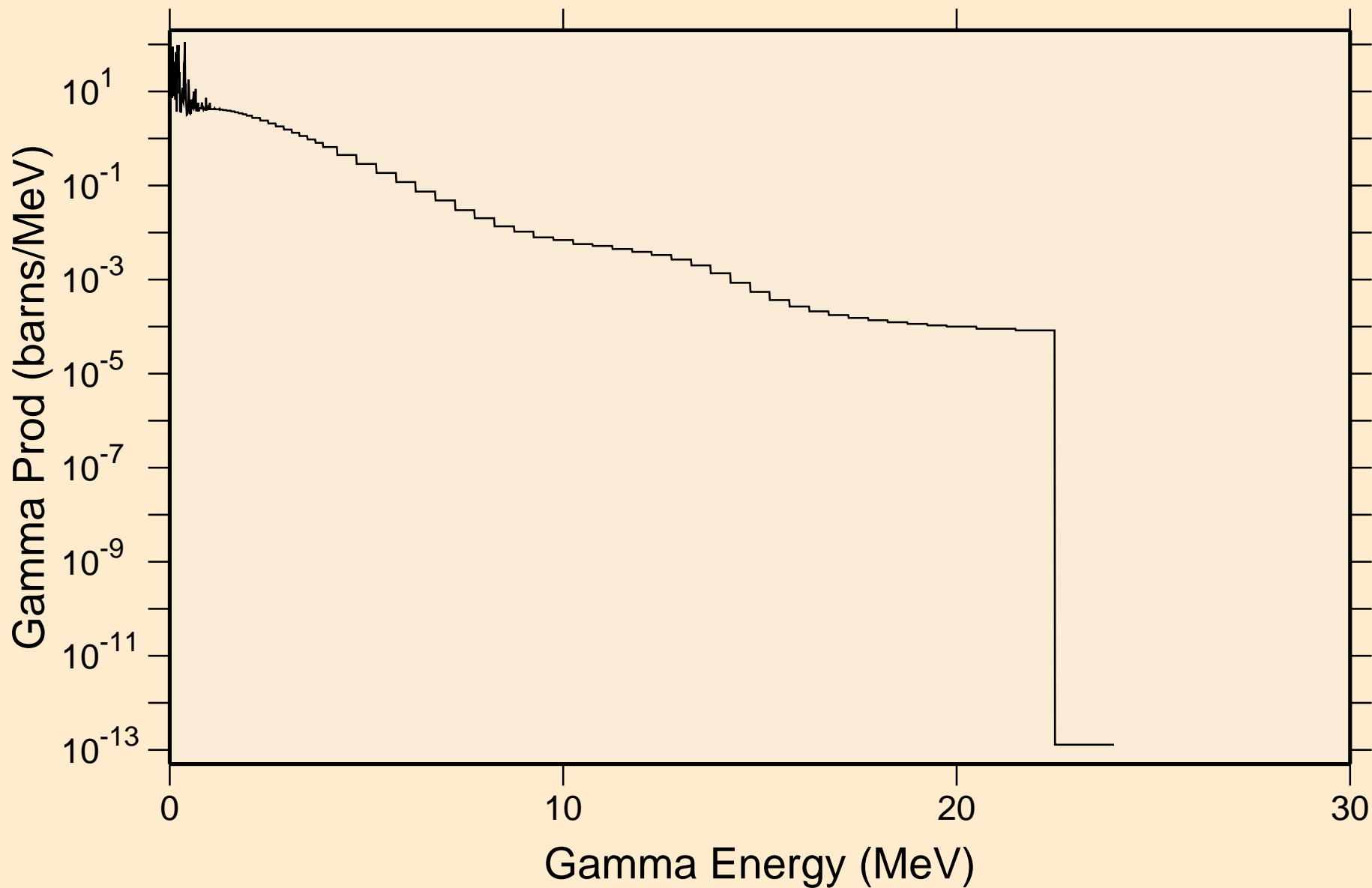
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

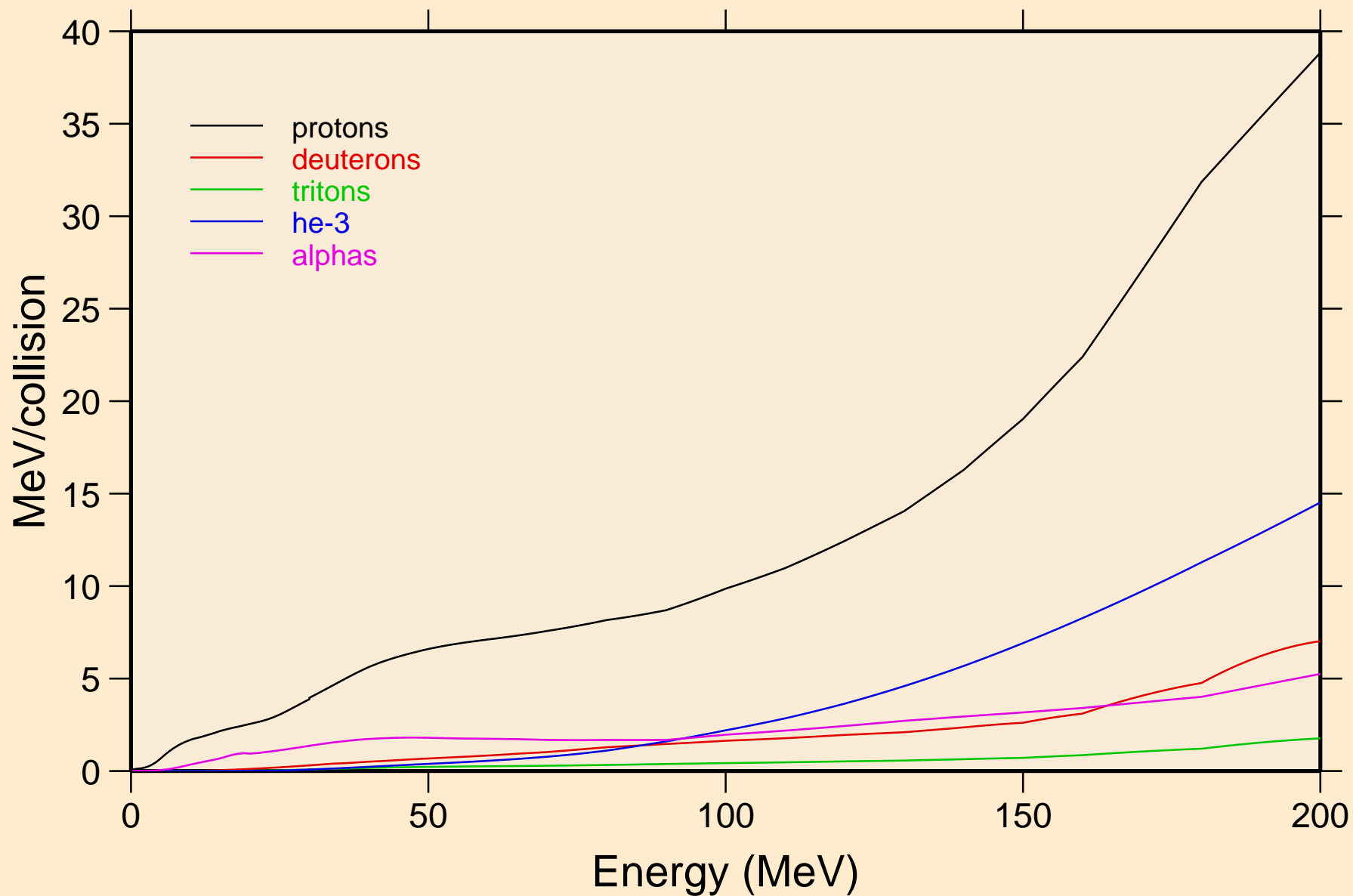


IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

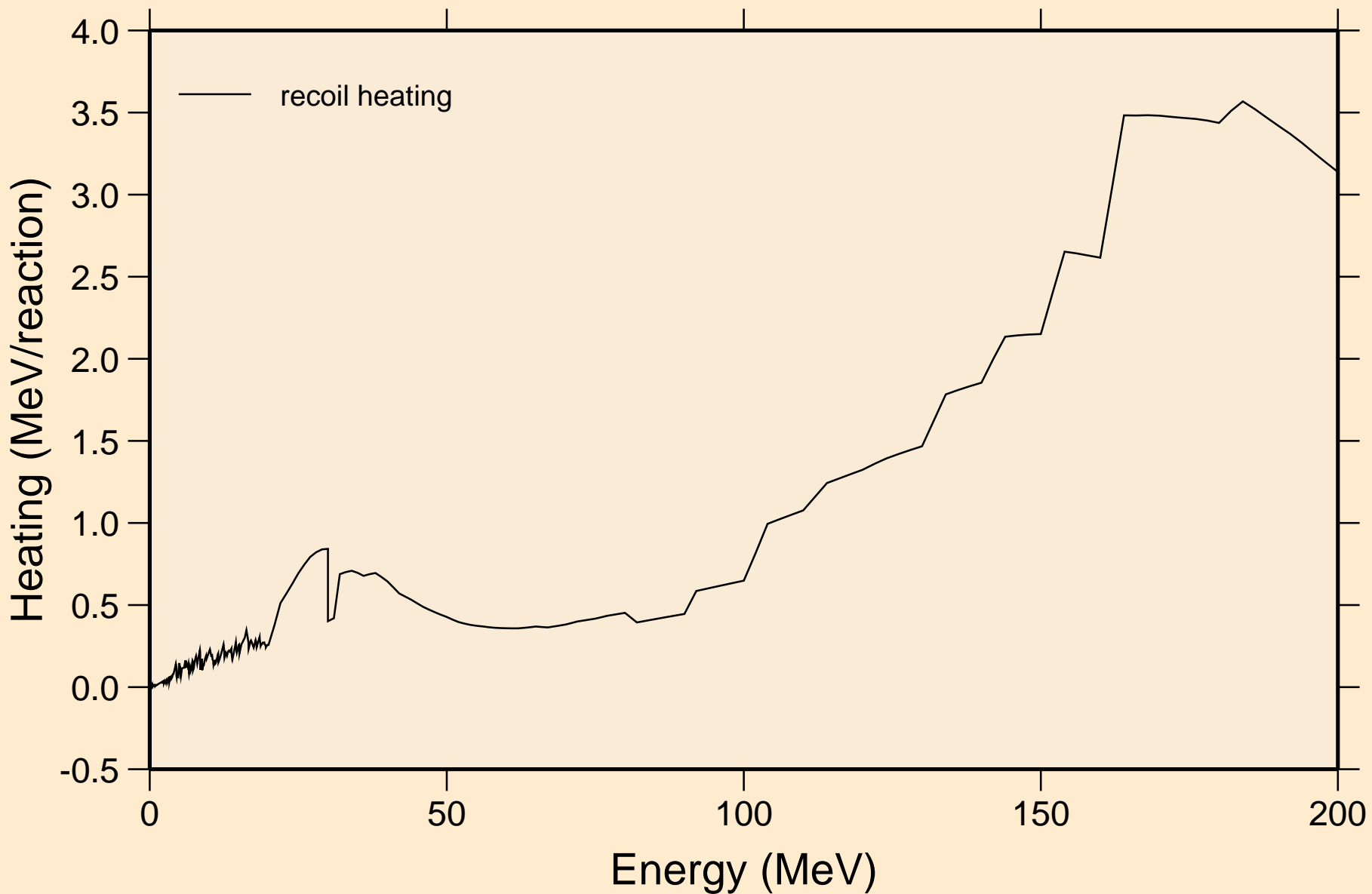


# IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

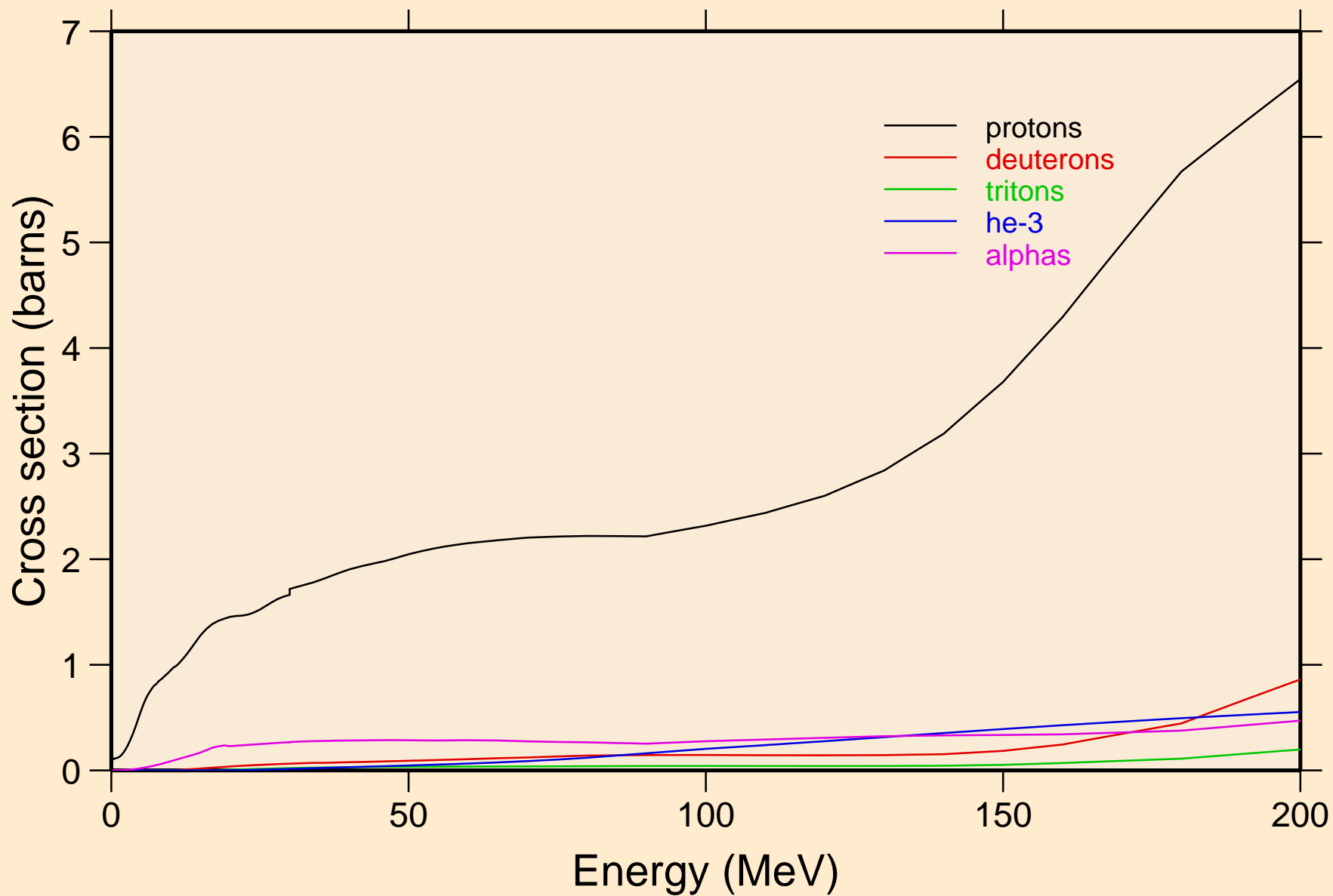
## Particle heating contributions



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

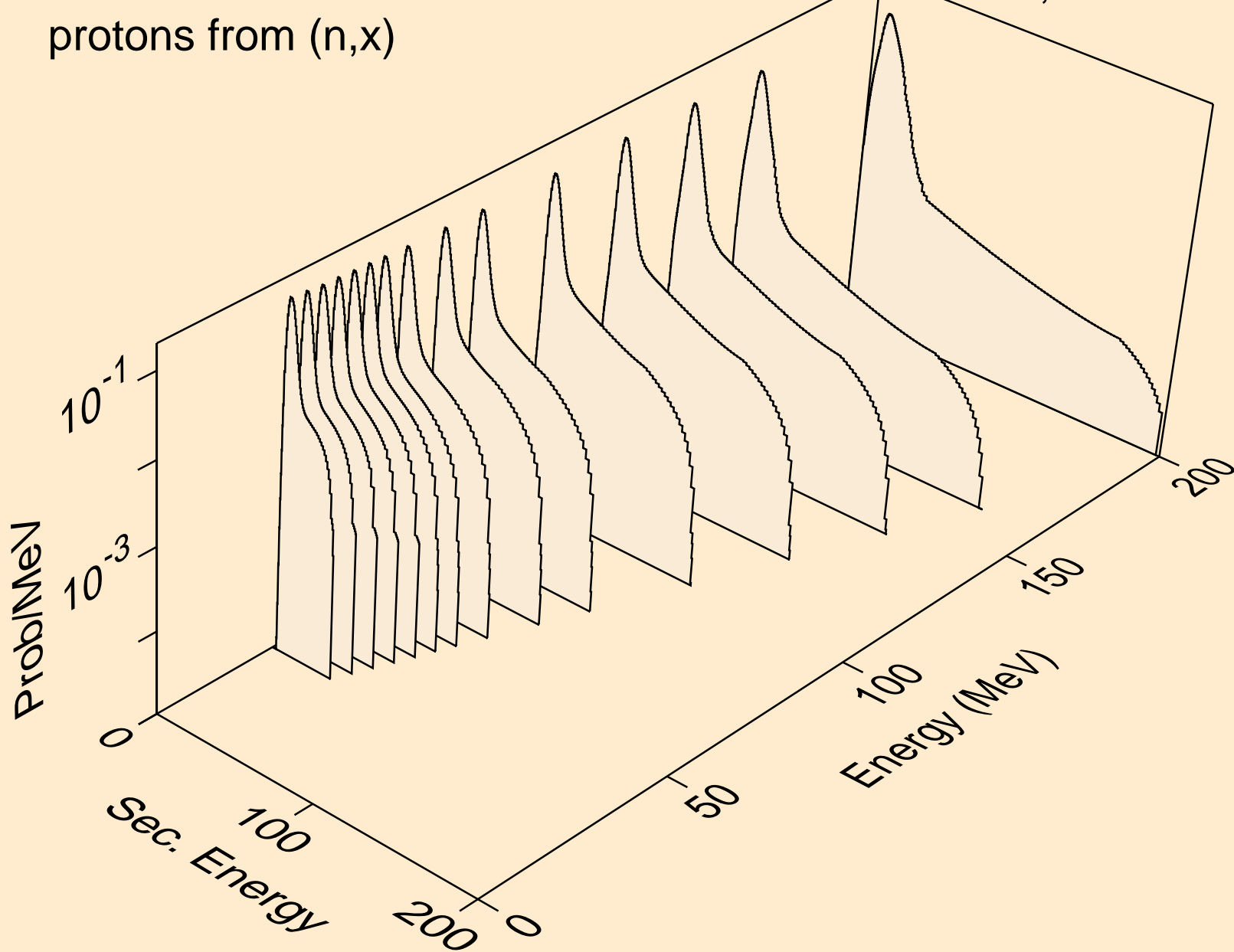


IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

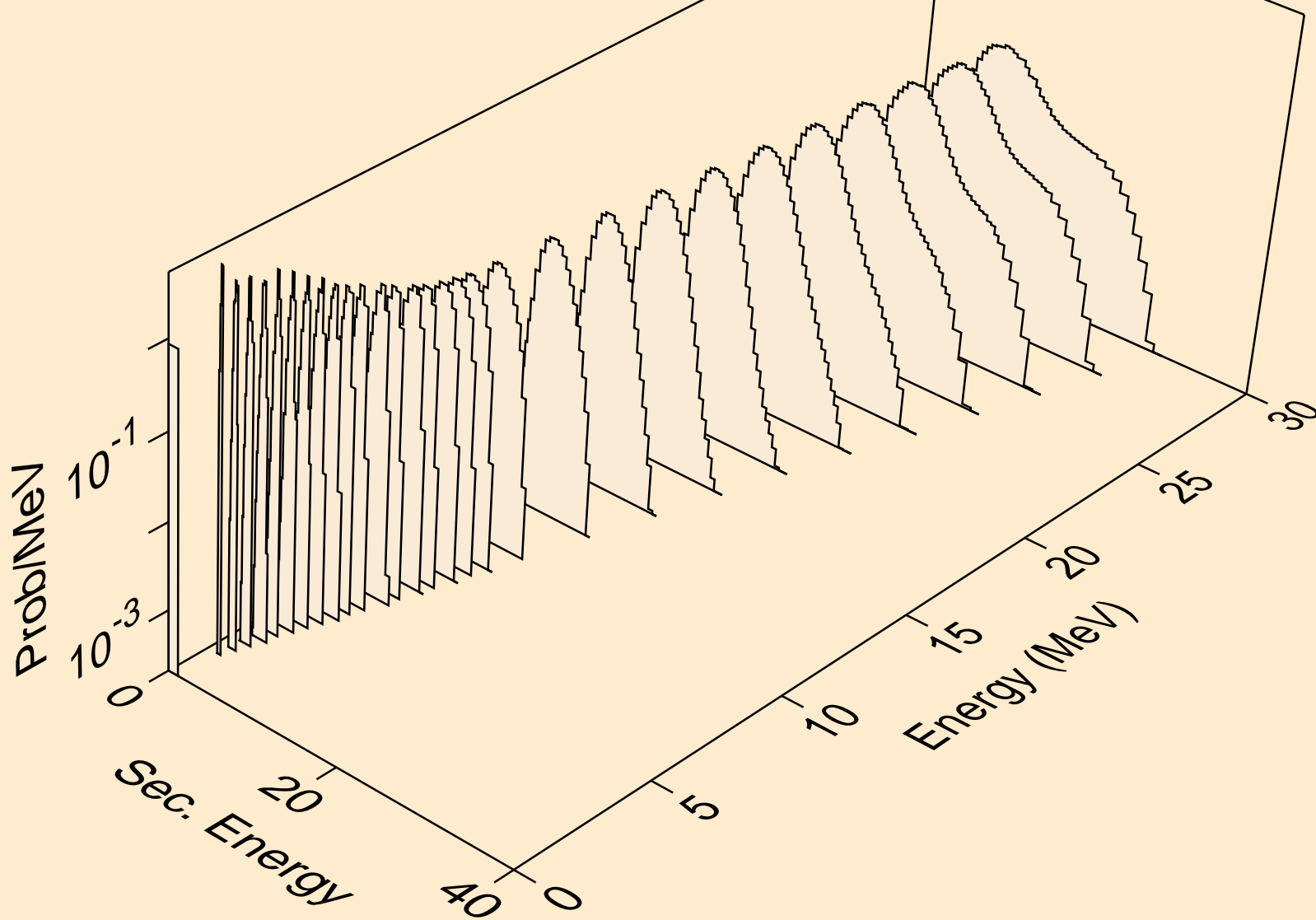




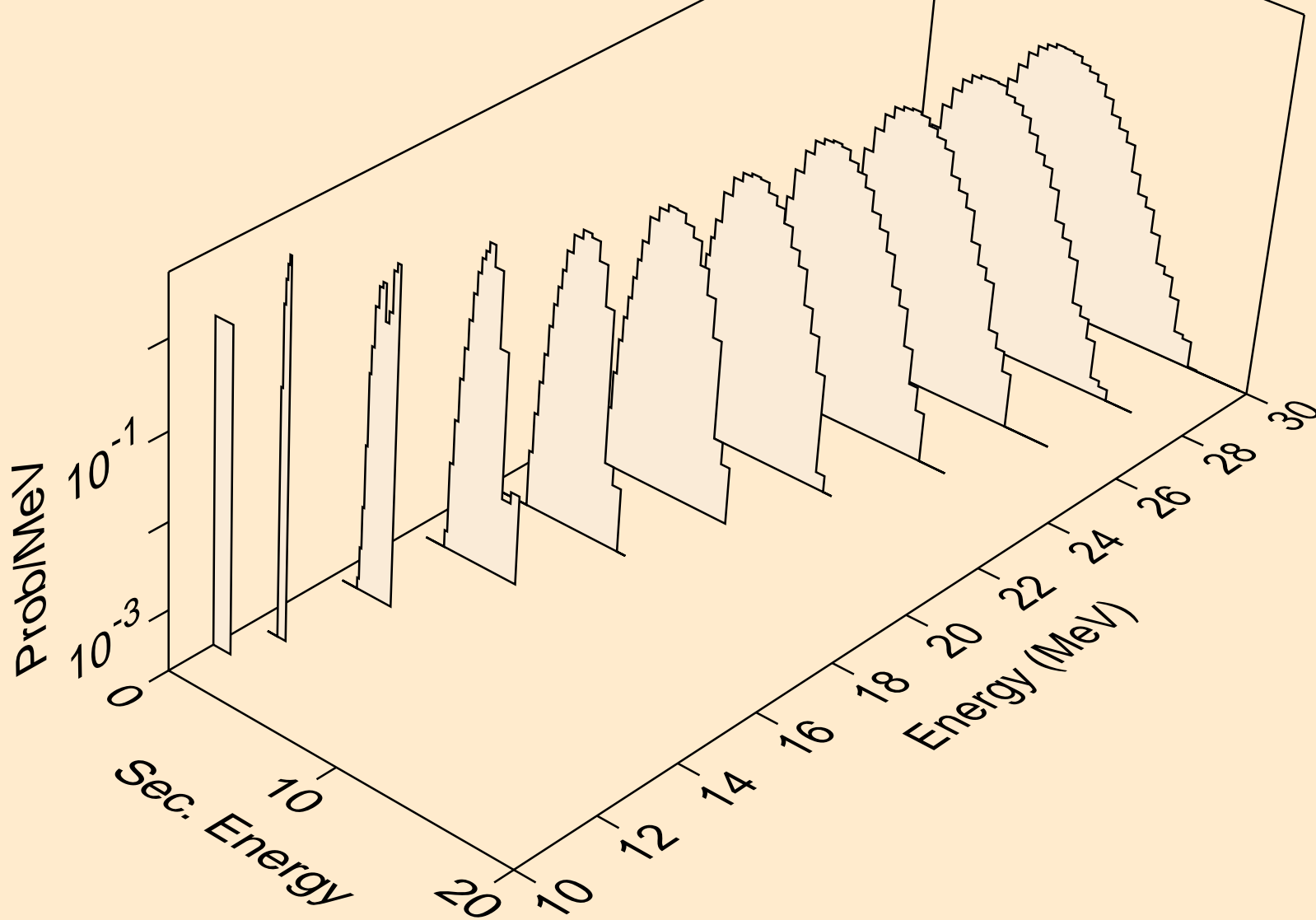
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



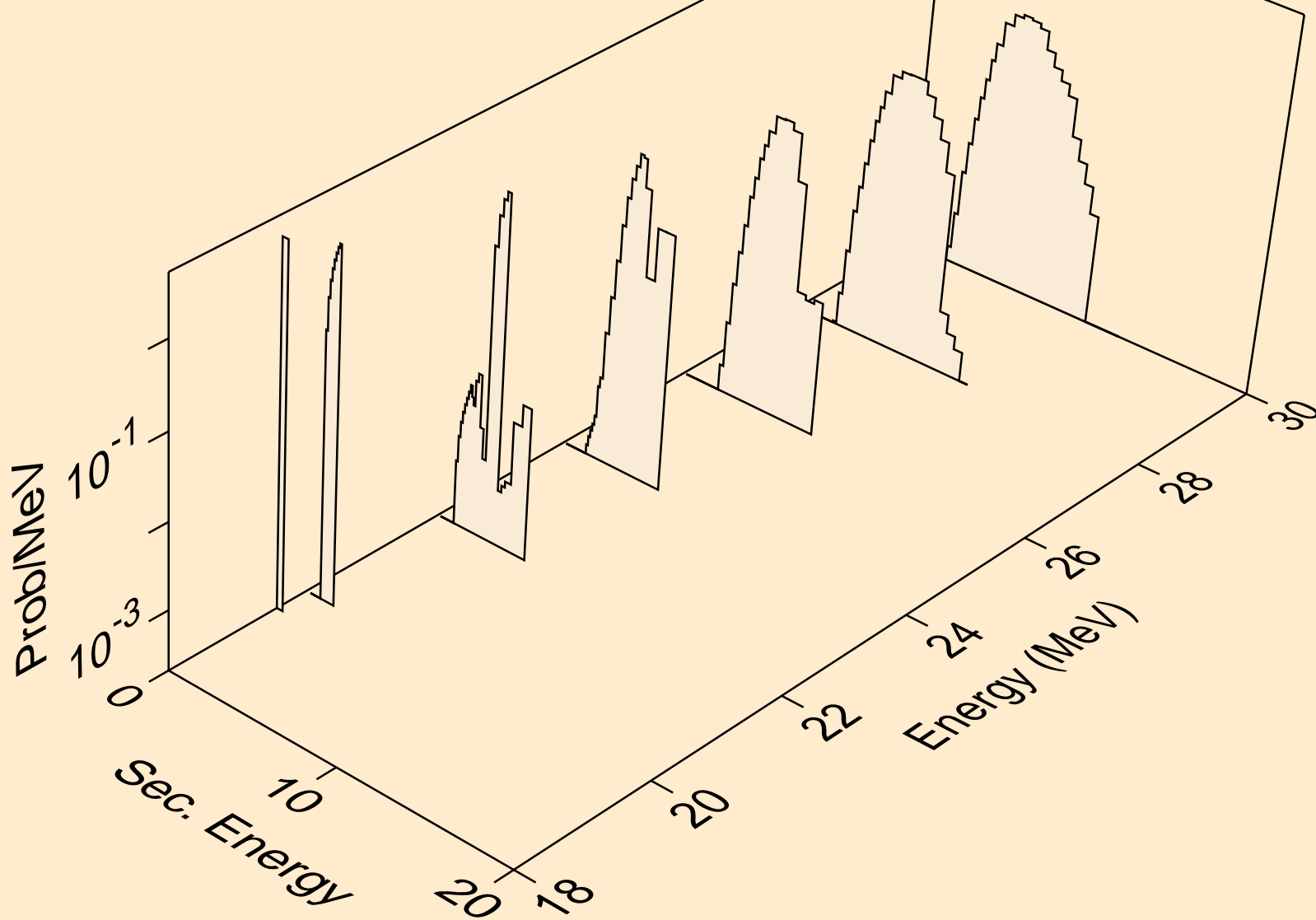
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



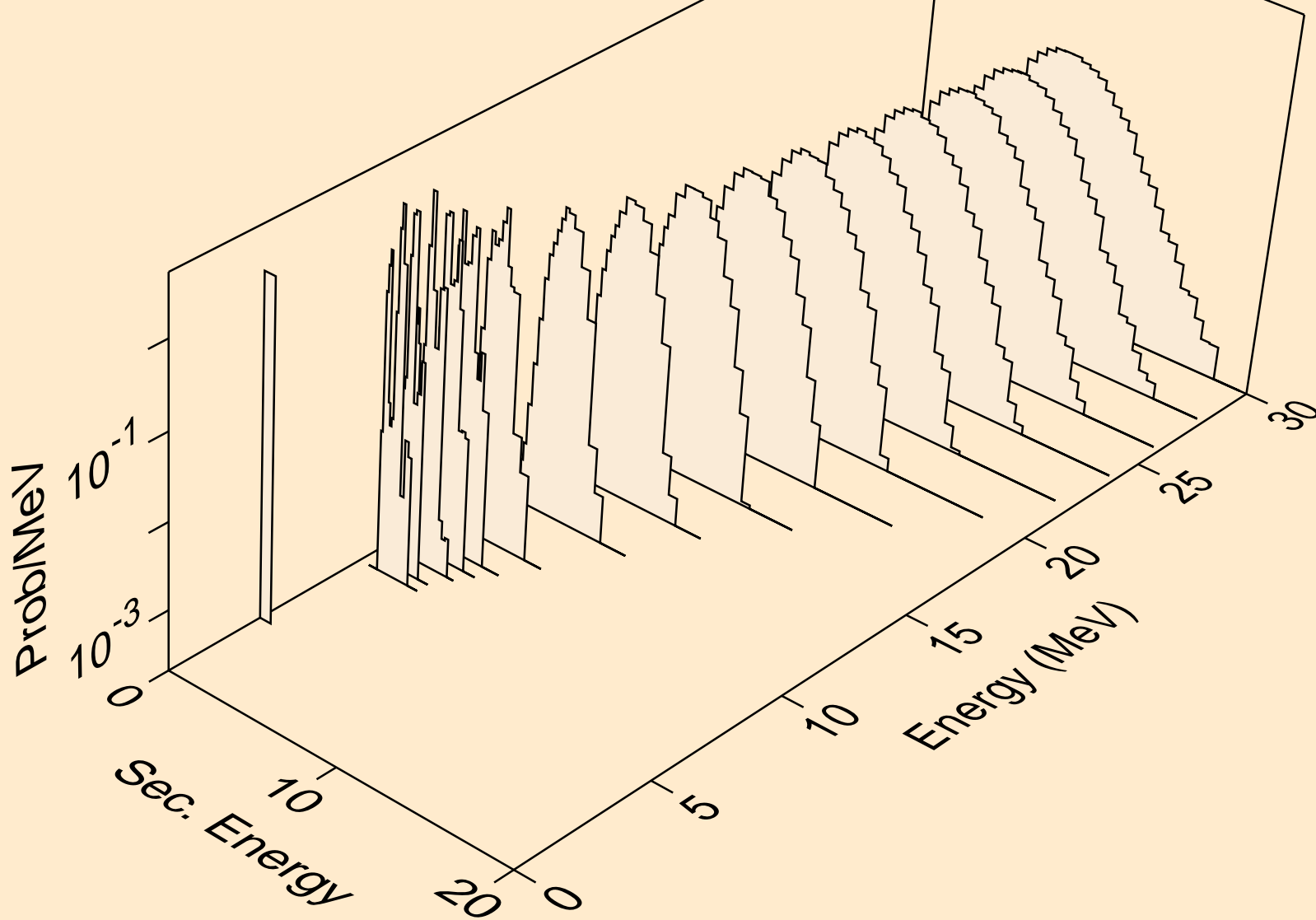
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protons from (n,2np)



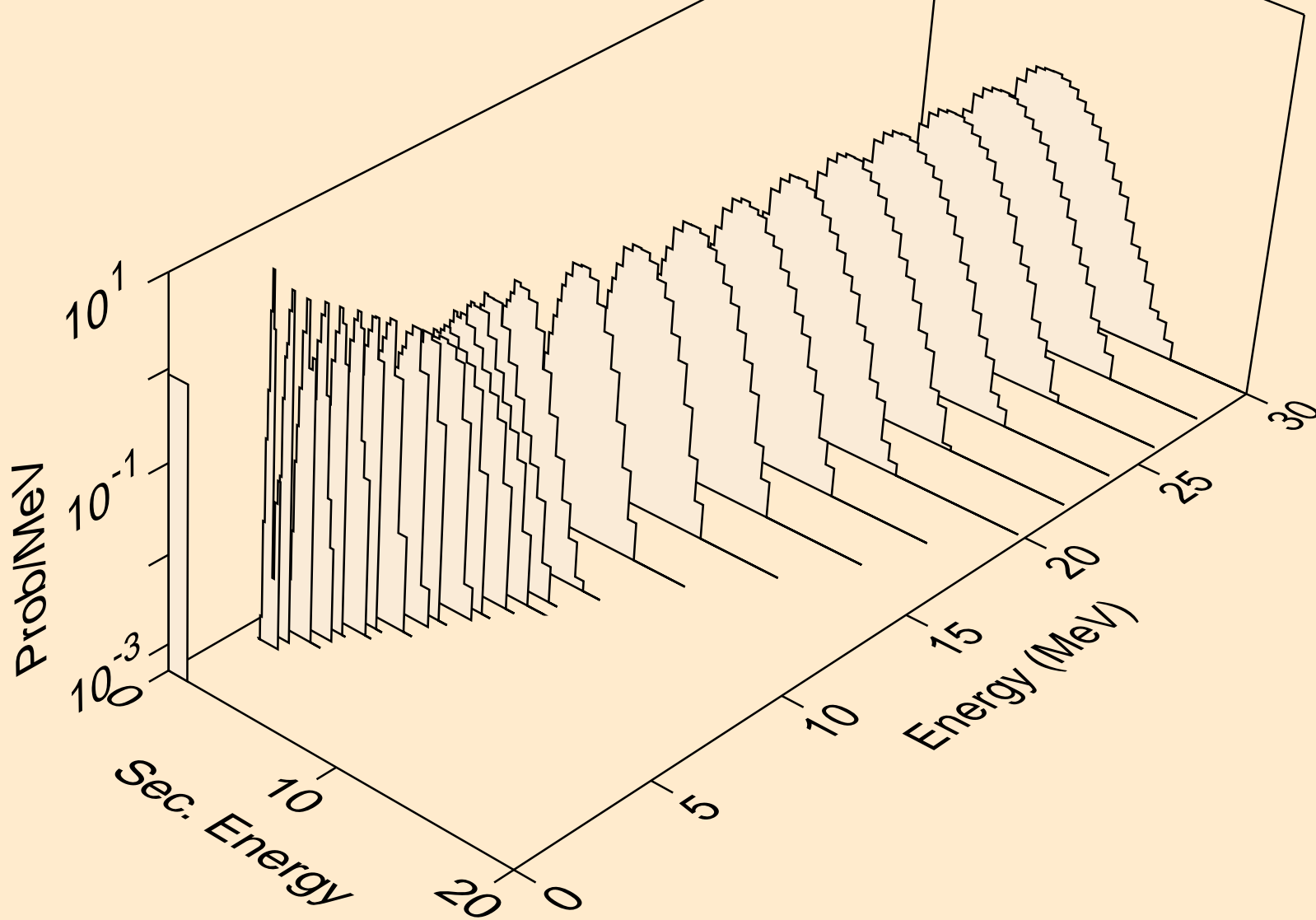
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protons from (n,3np)



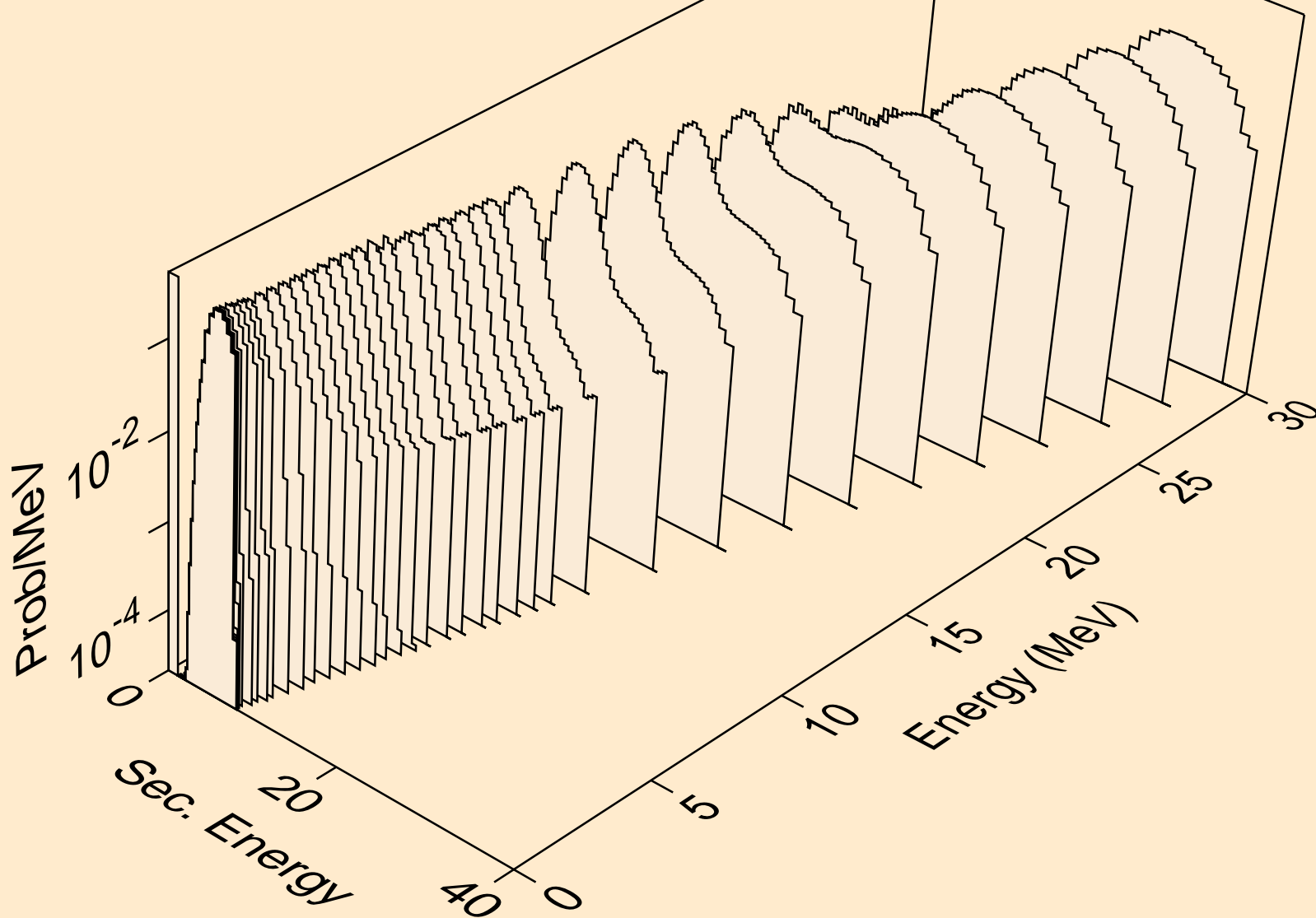
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protons from (n,2np)



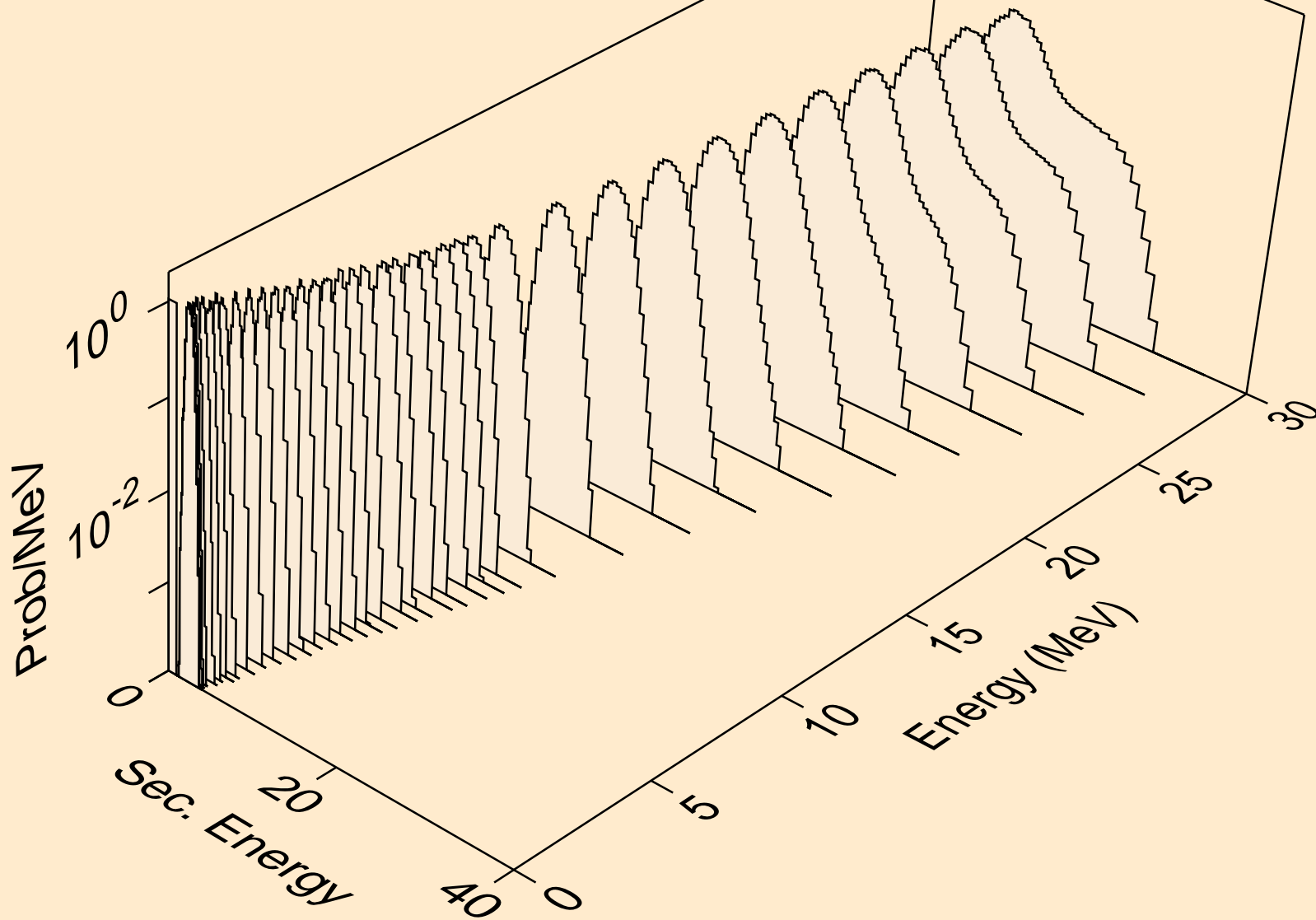
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

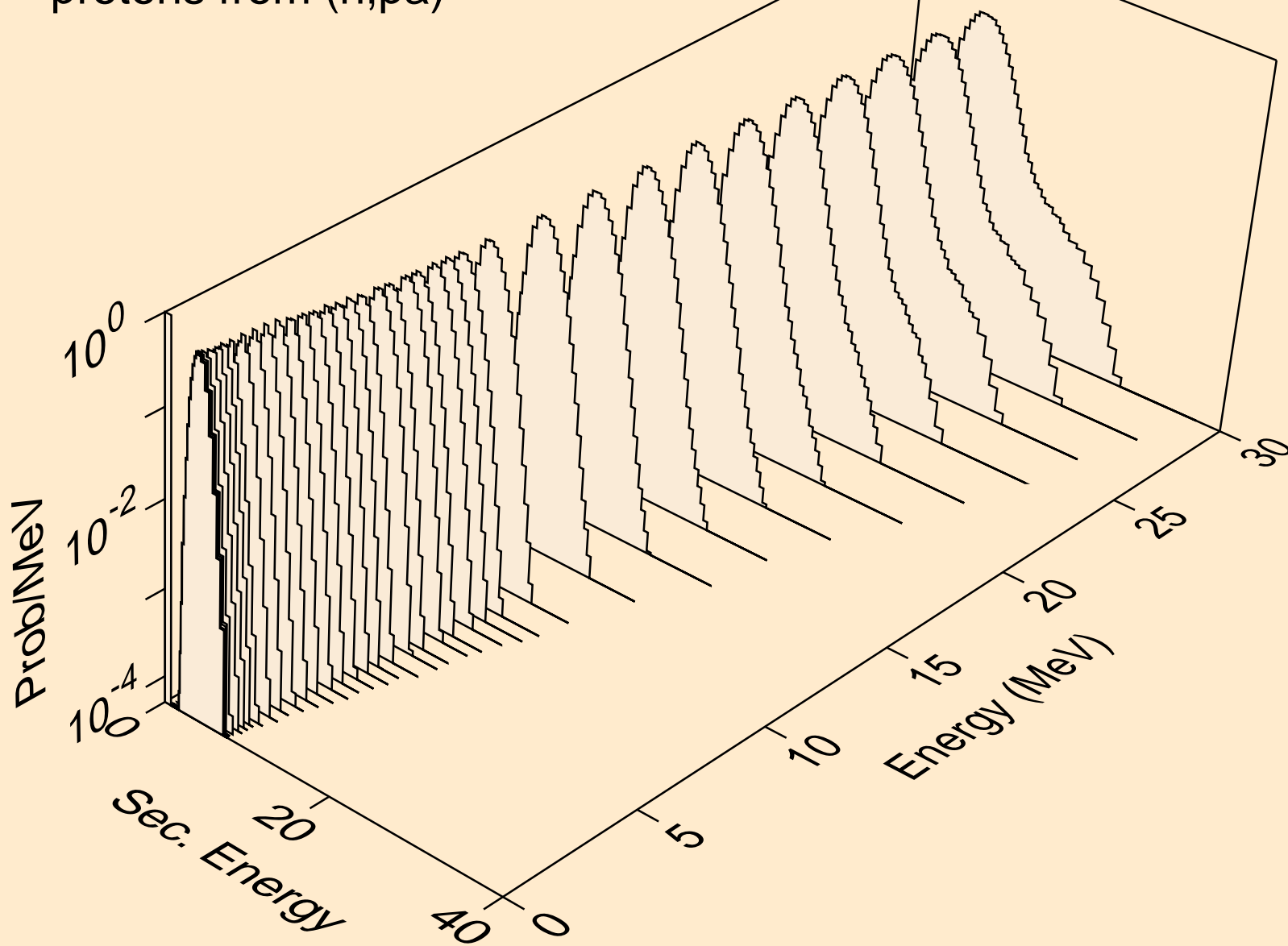


IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

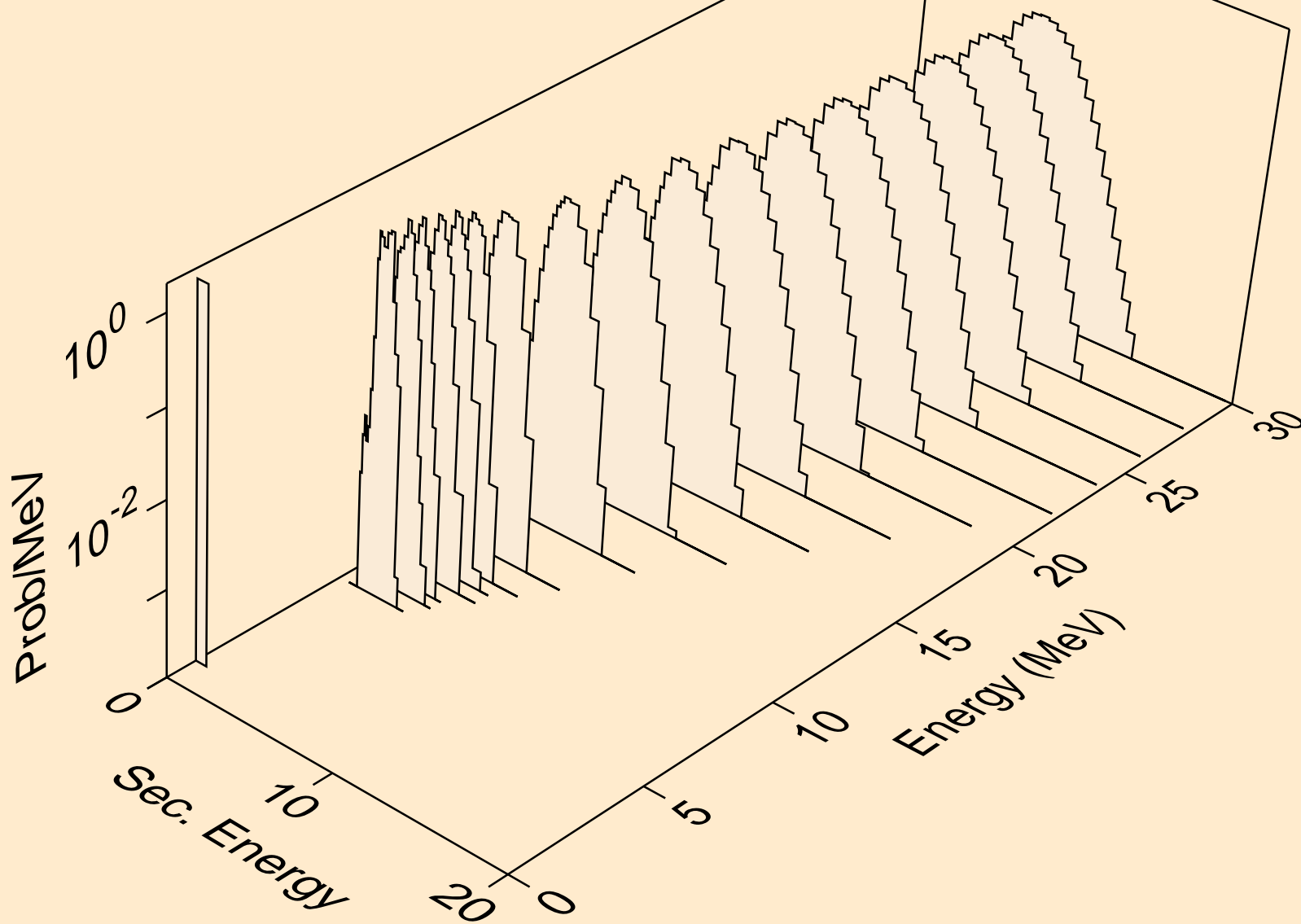




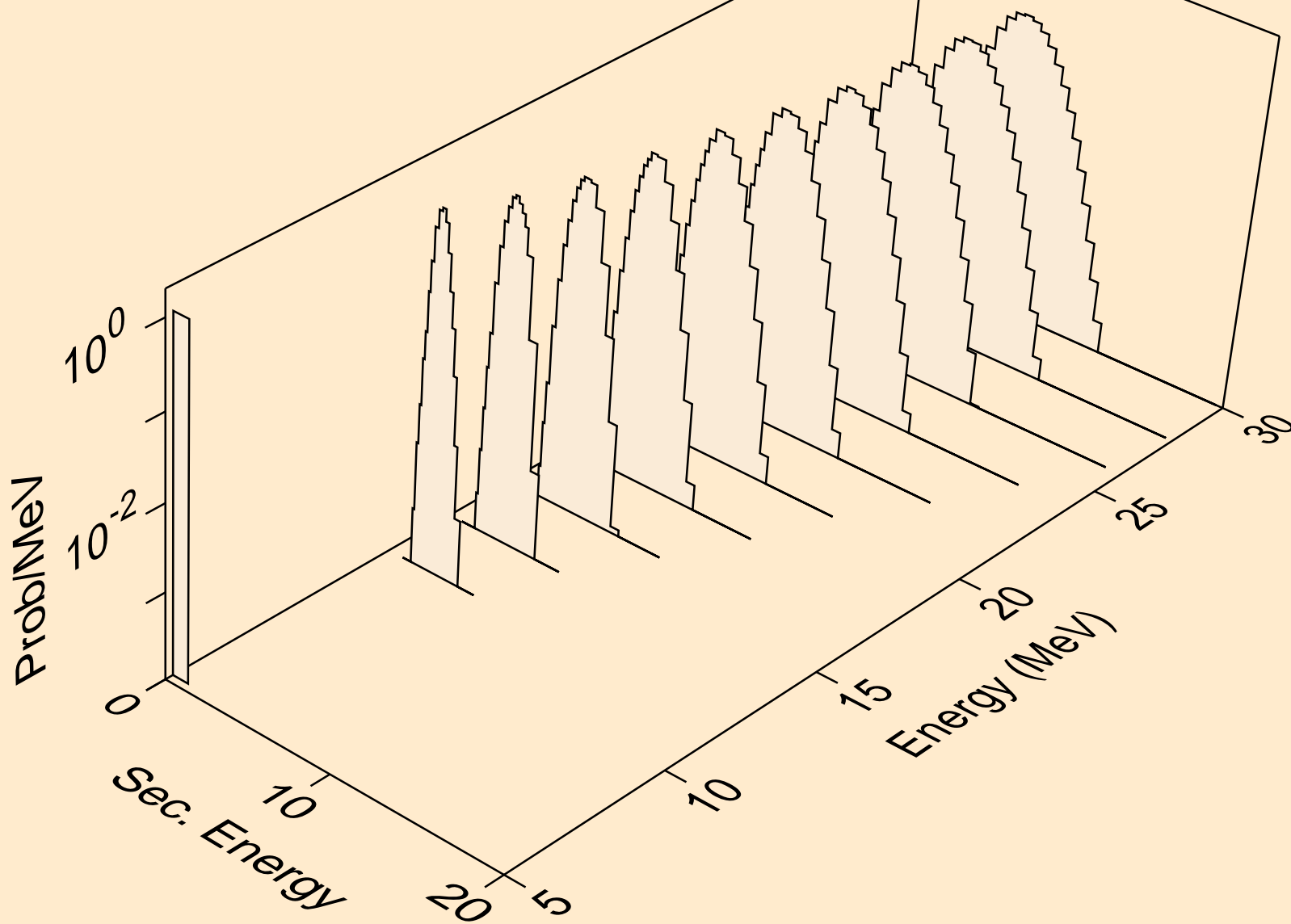
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



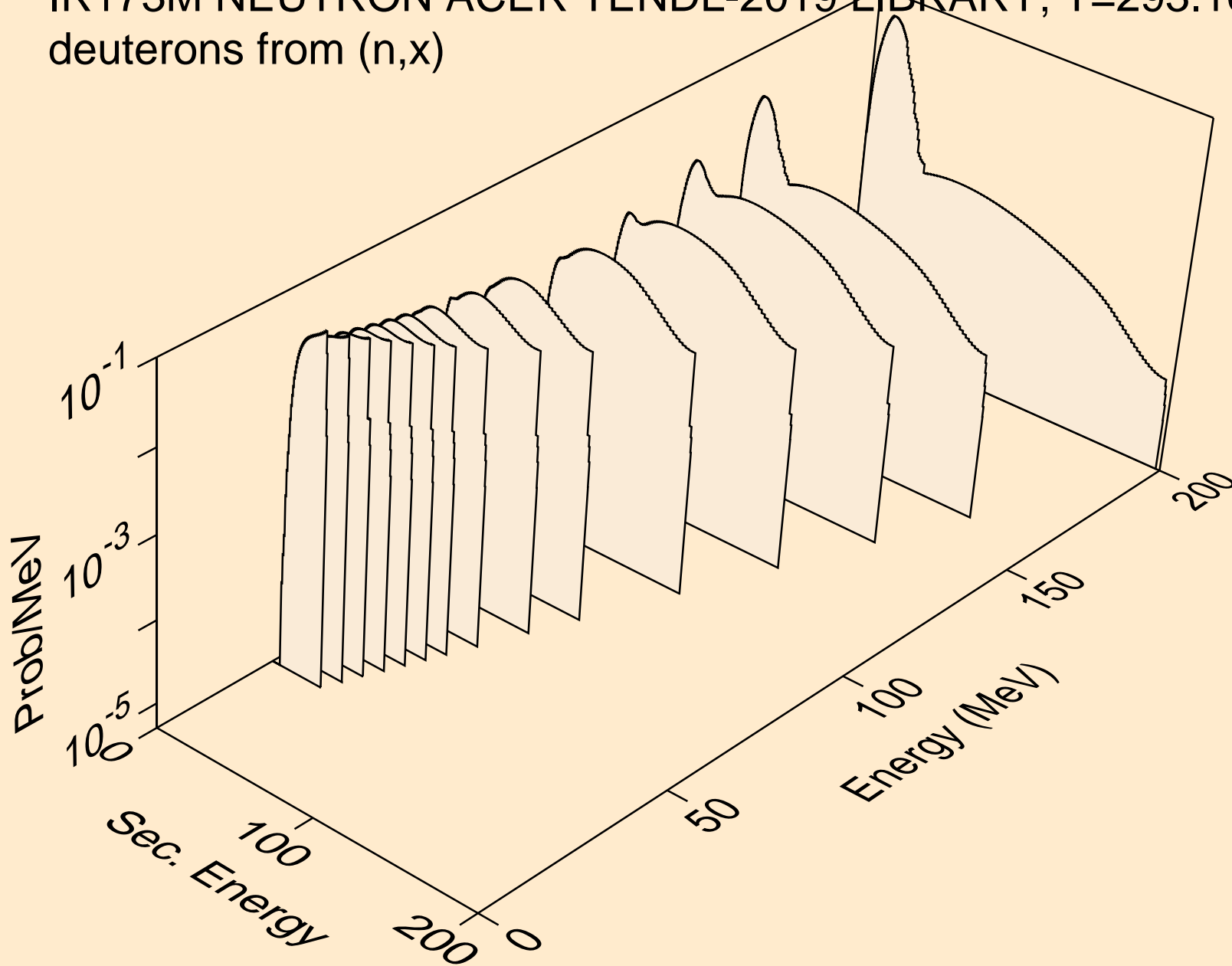
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protons from (n,pd)



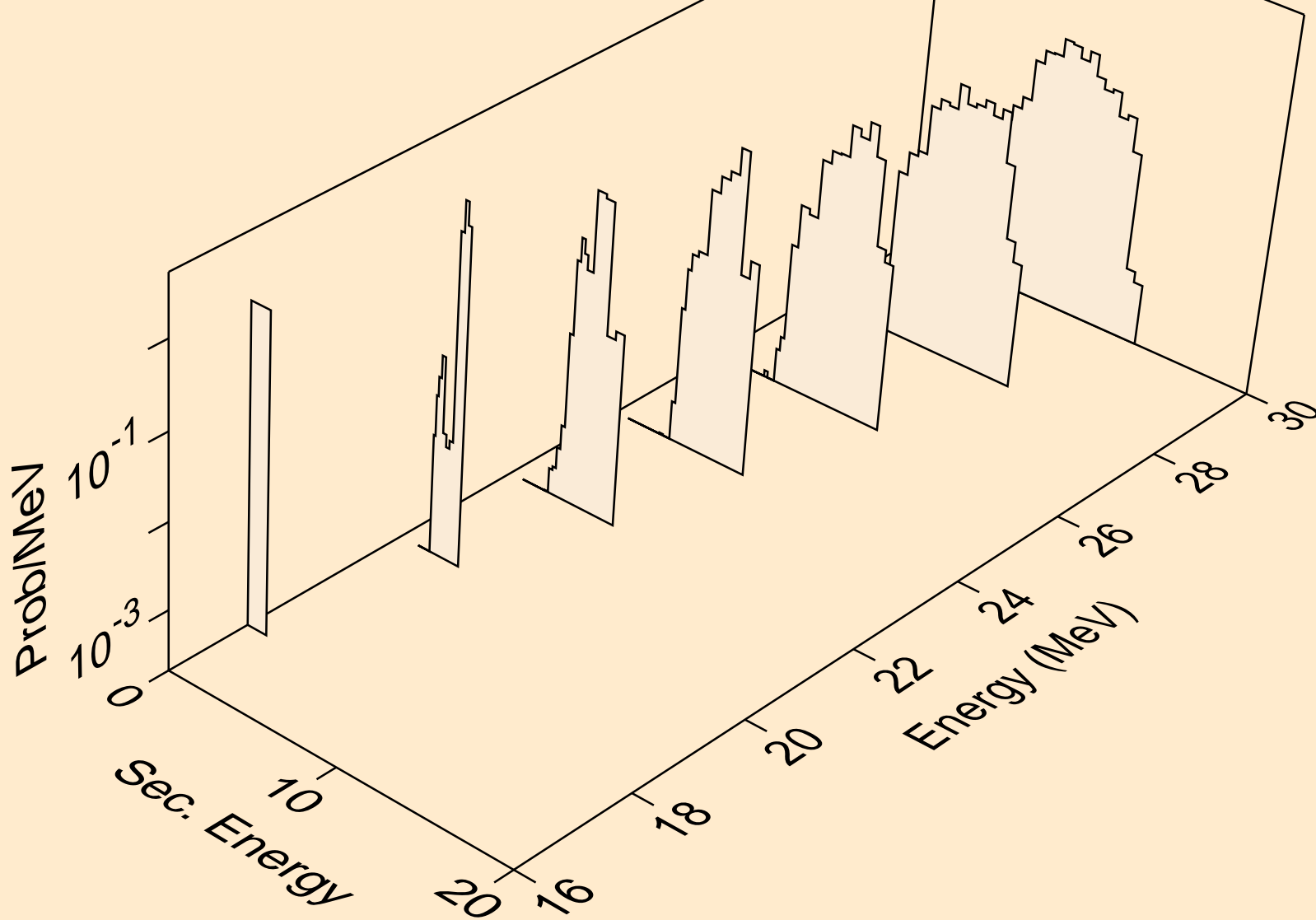
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protons from (n,pt)



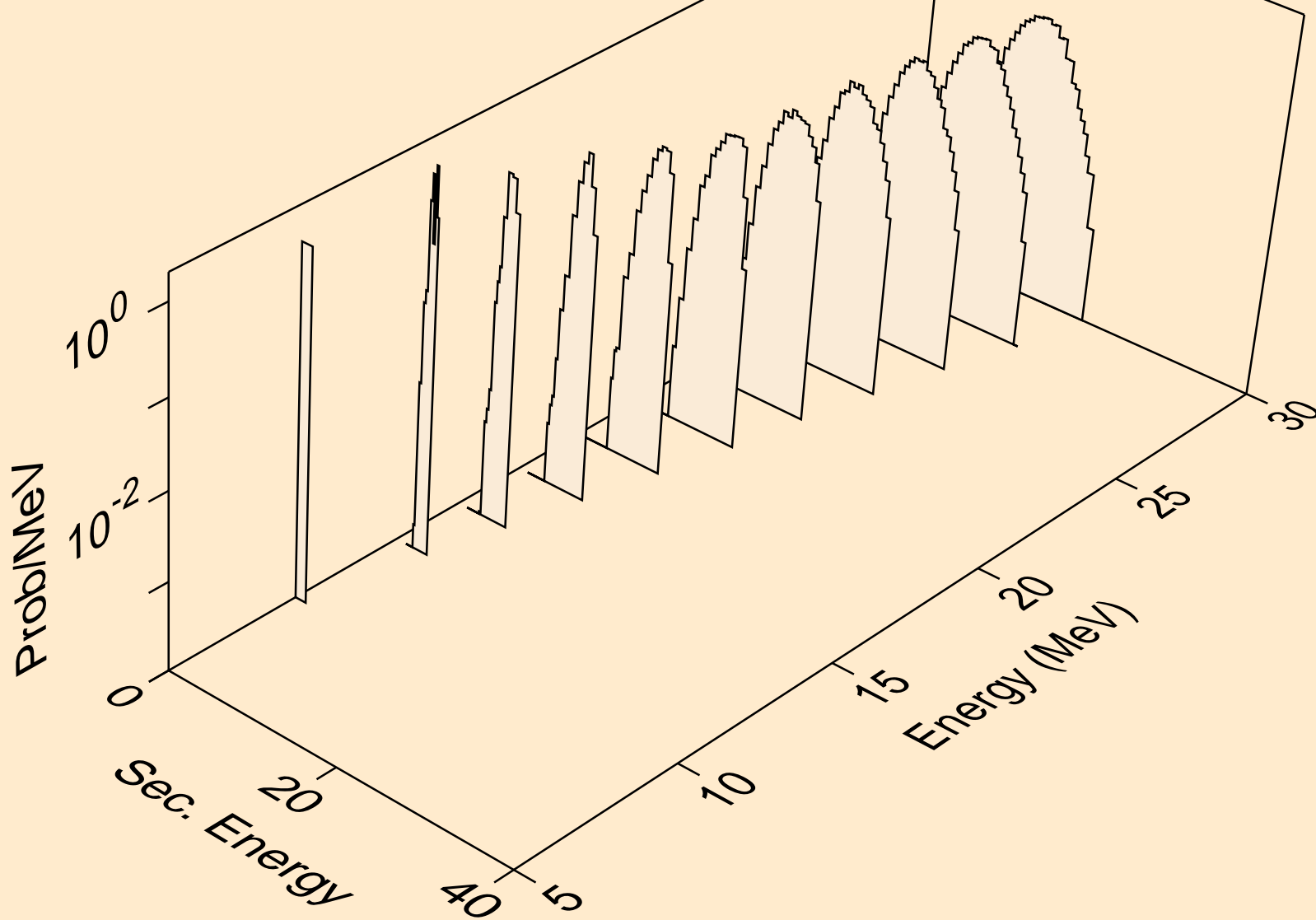
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deuterons from (n,x)



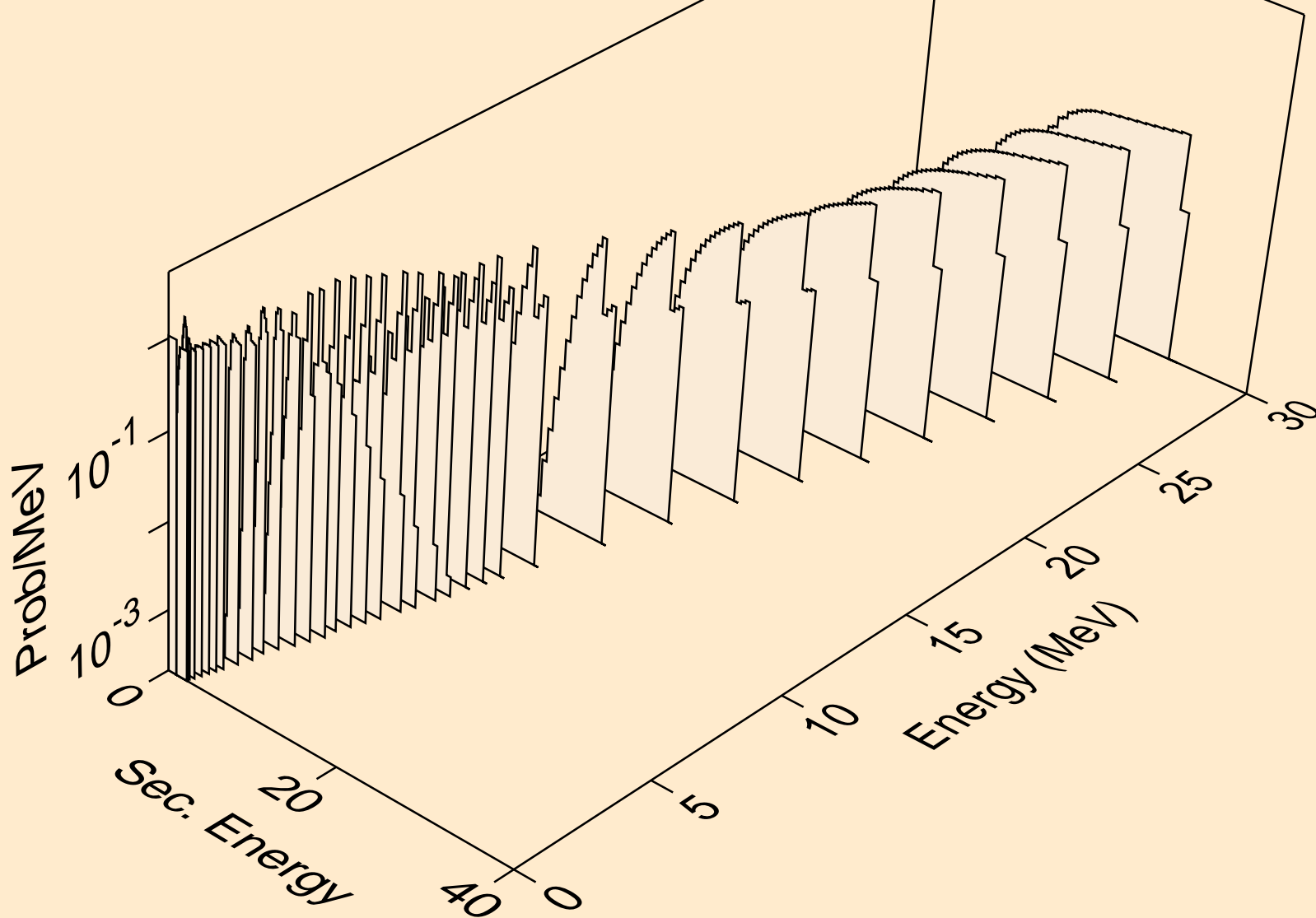
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deuterons from (n,2nd)



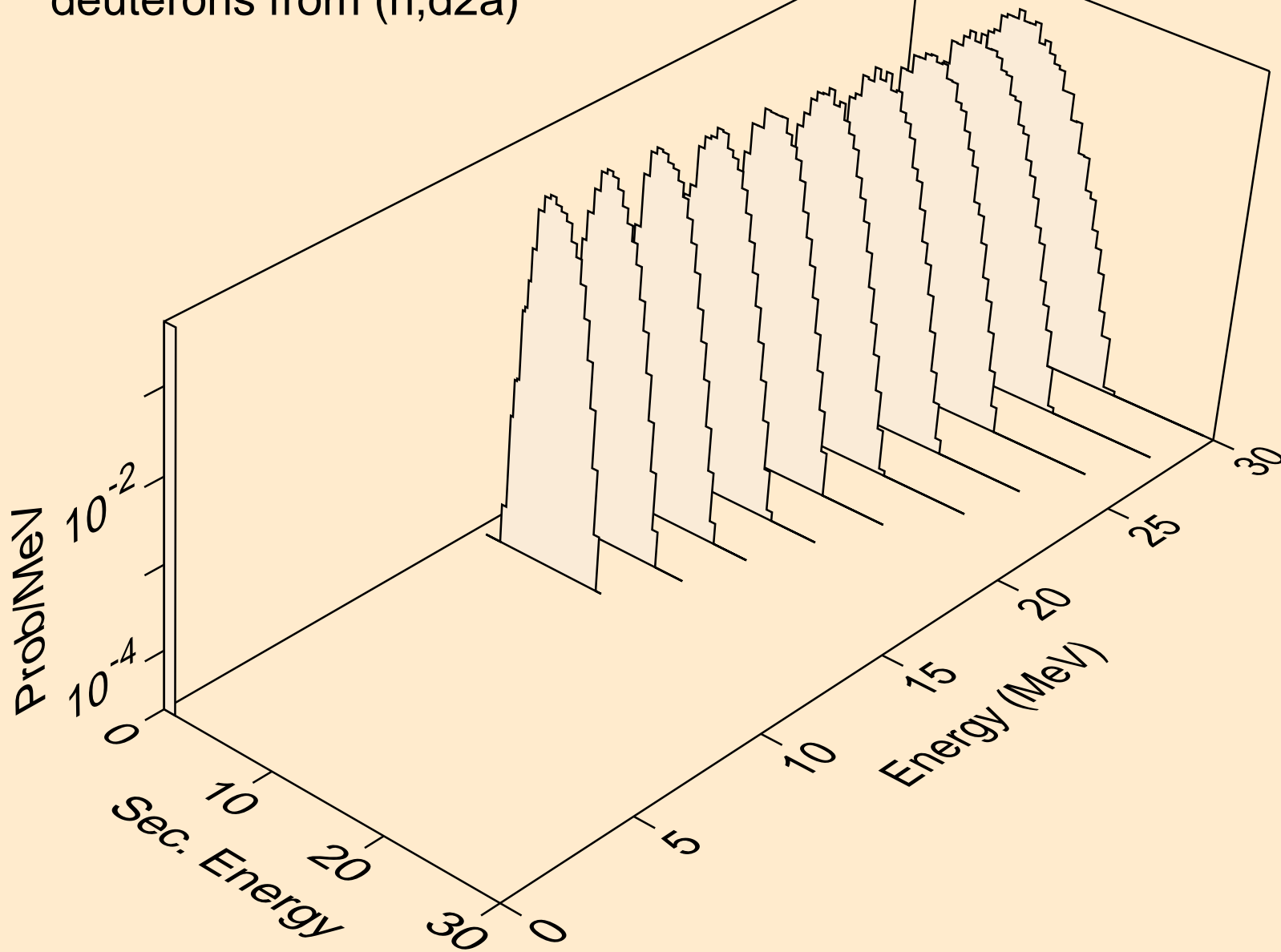
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

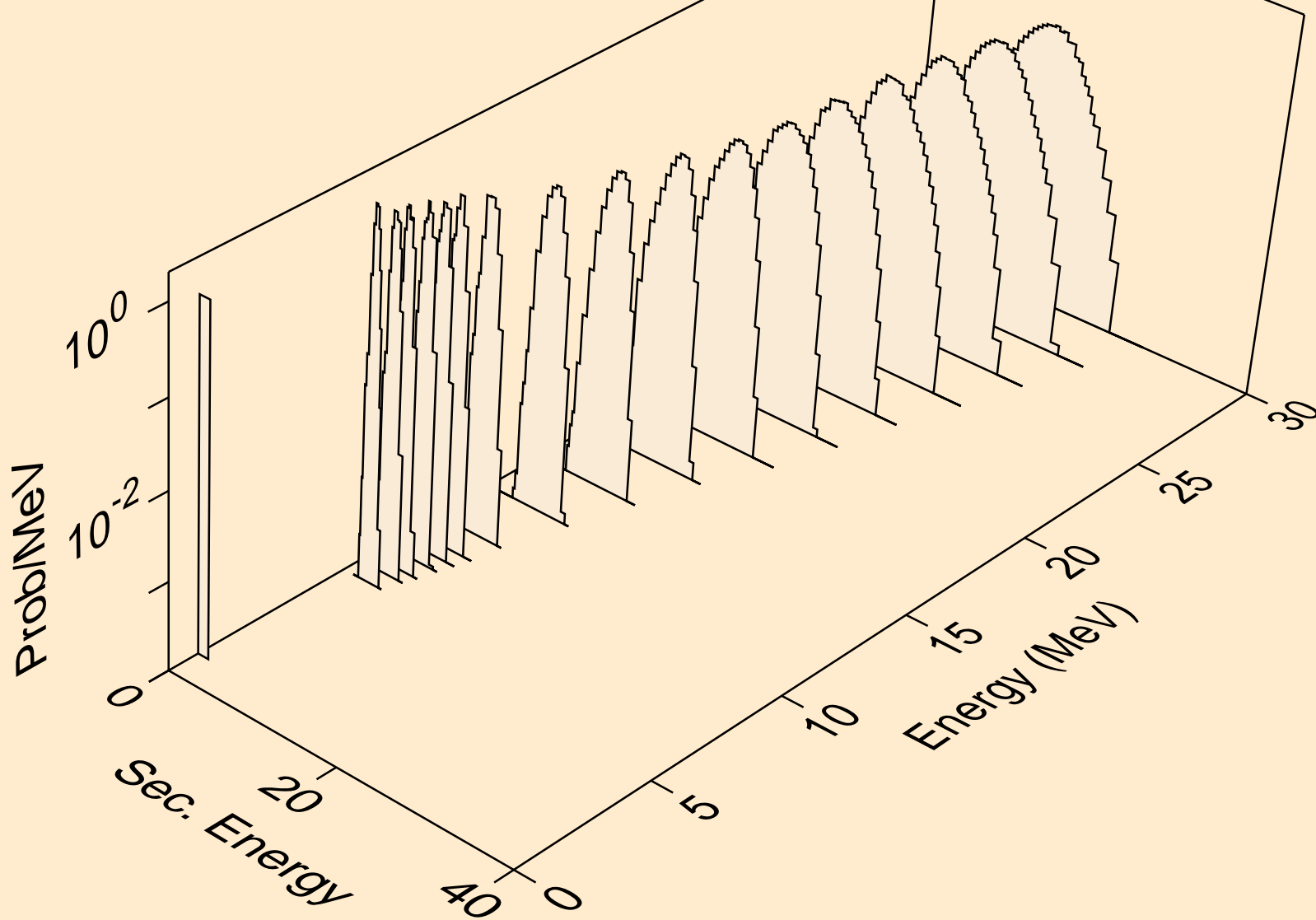


IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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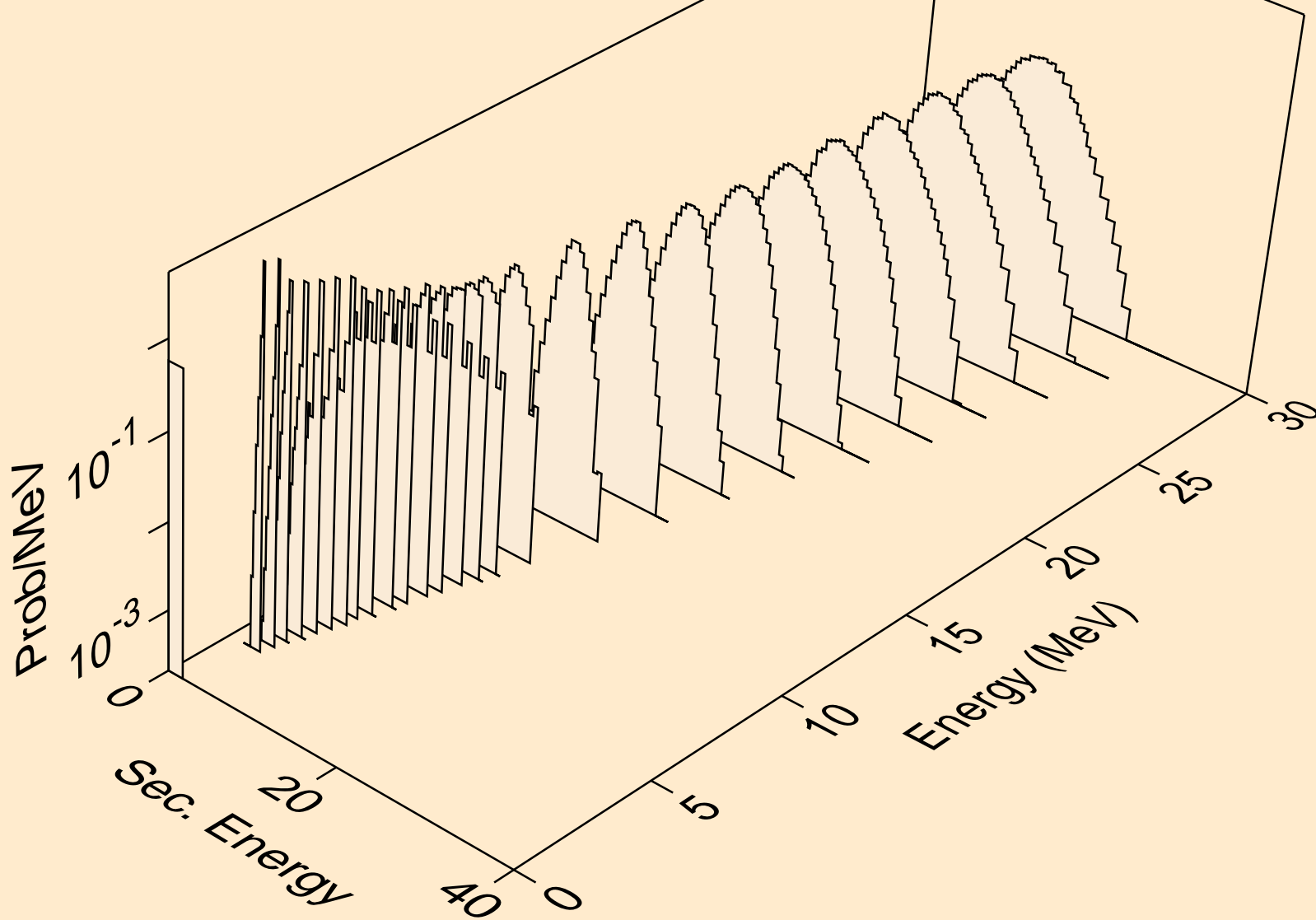




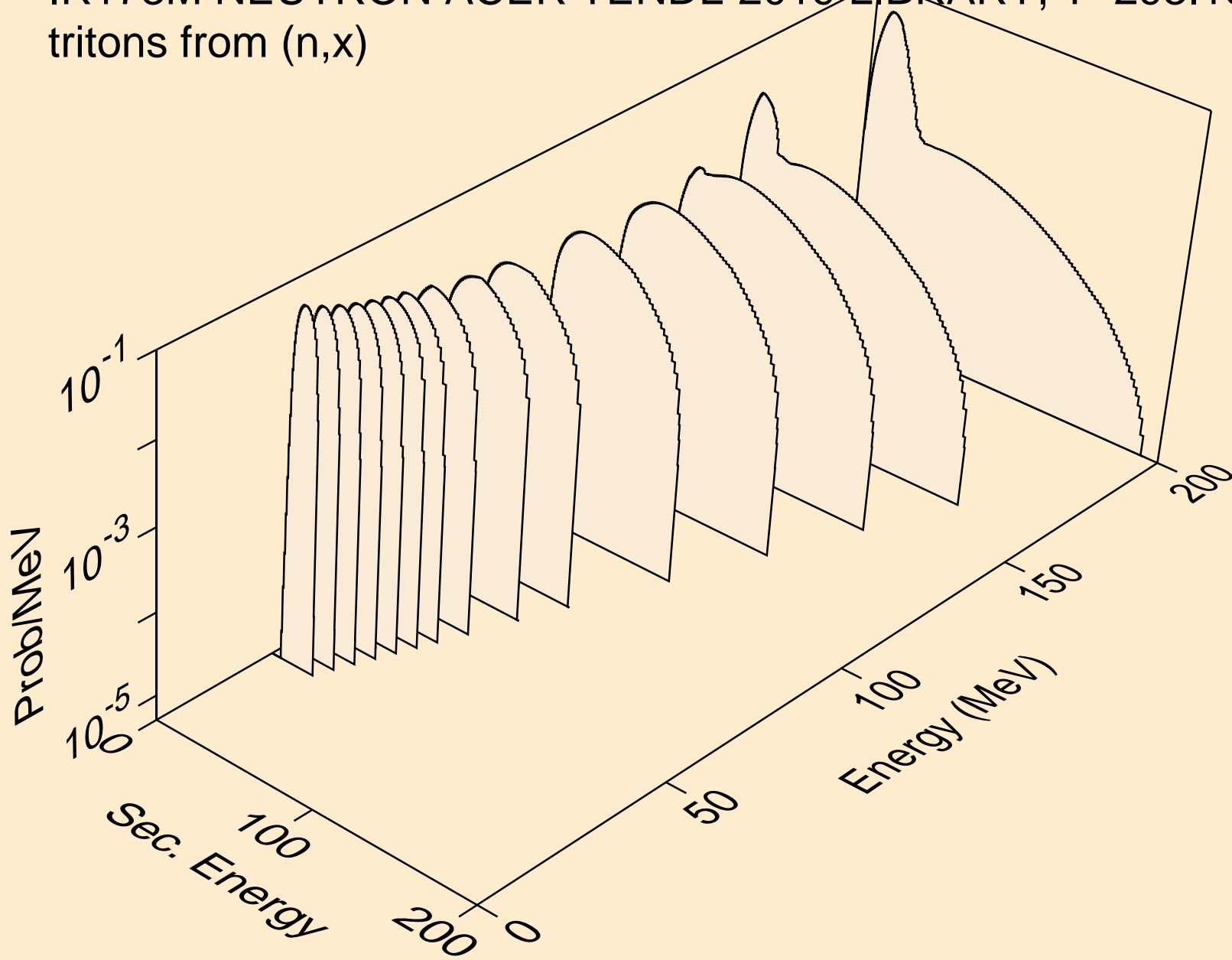
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deuterons from (n,pd)



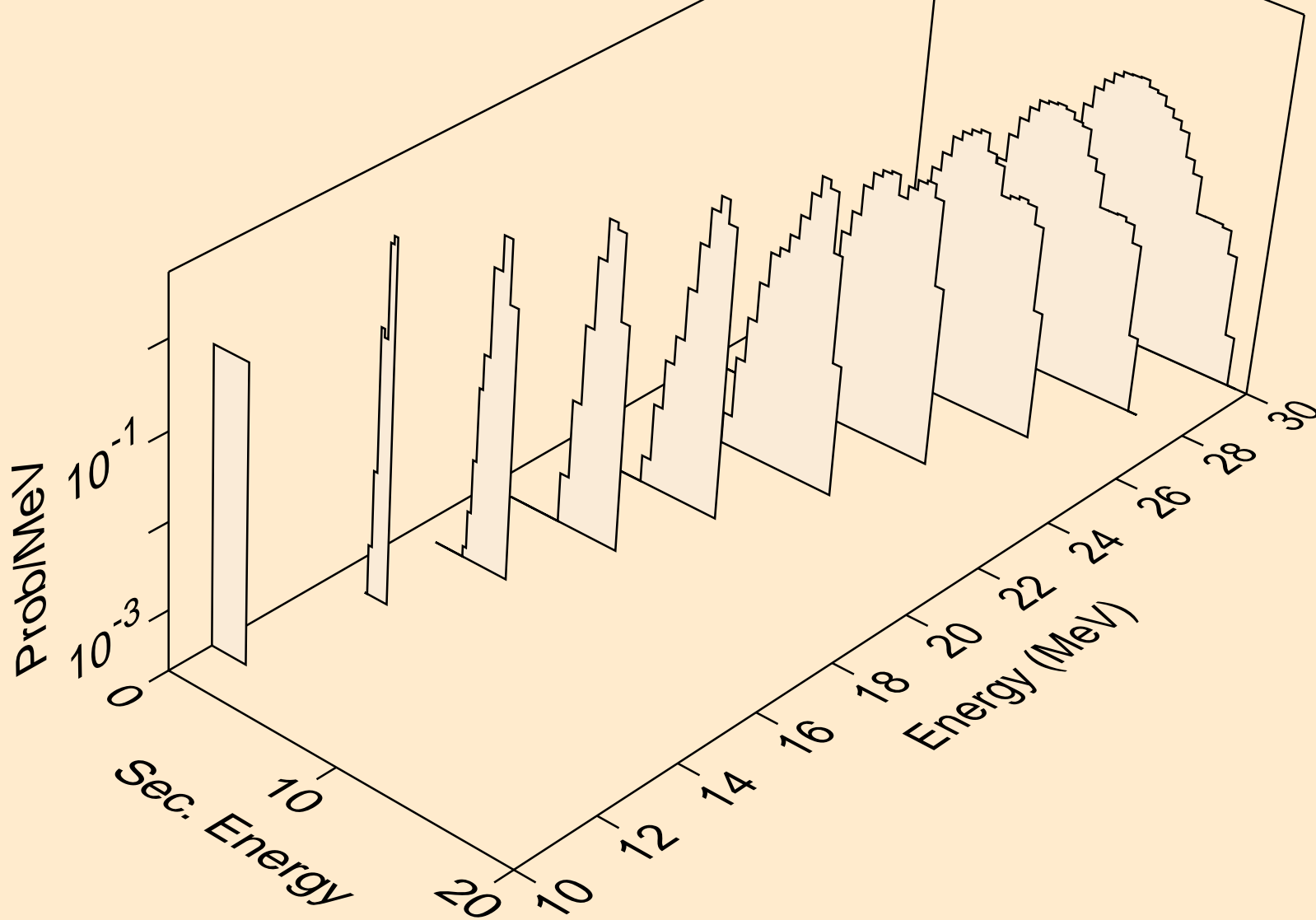
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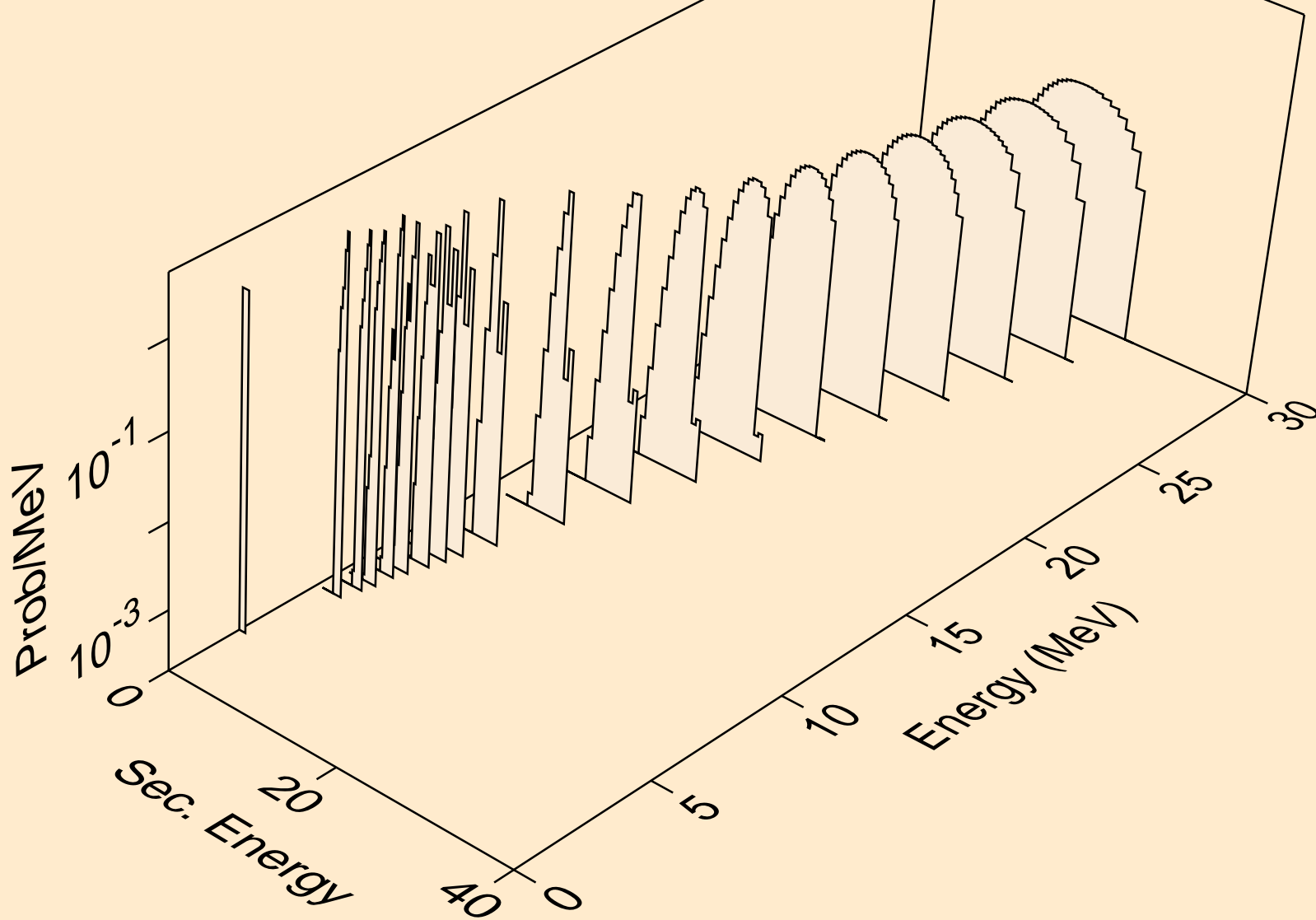
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tritons from (n,x)



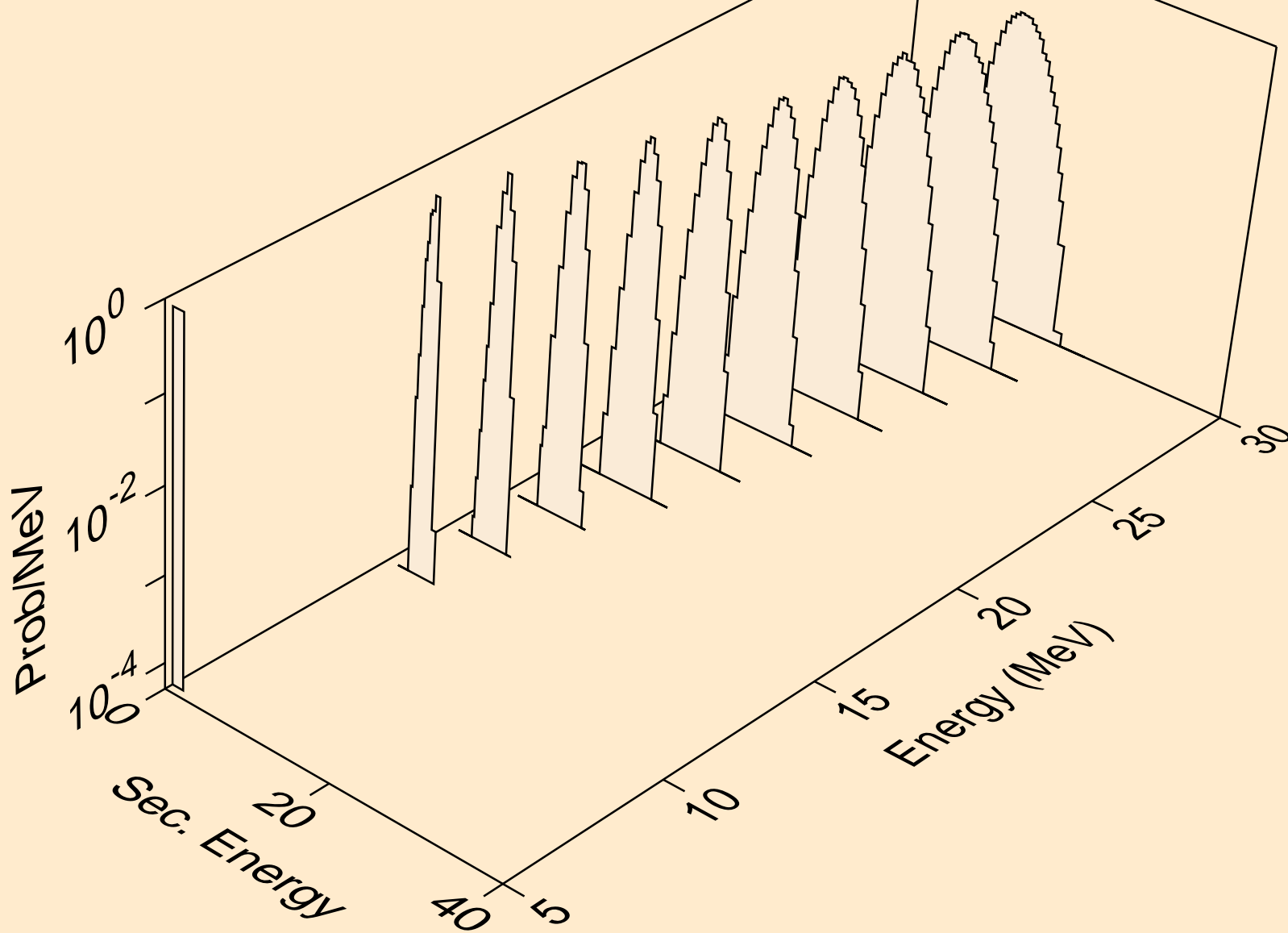
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tritons from (n,n\*)t



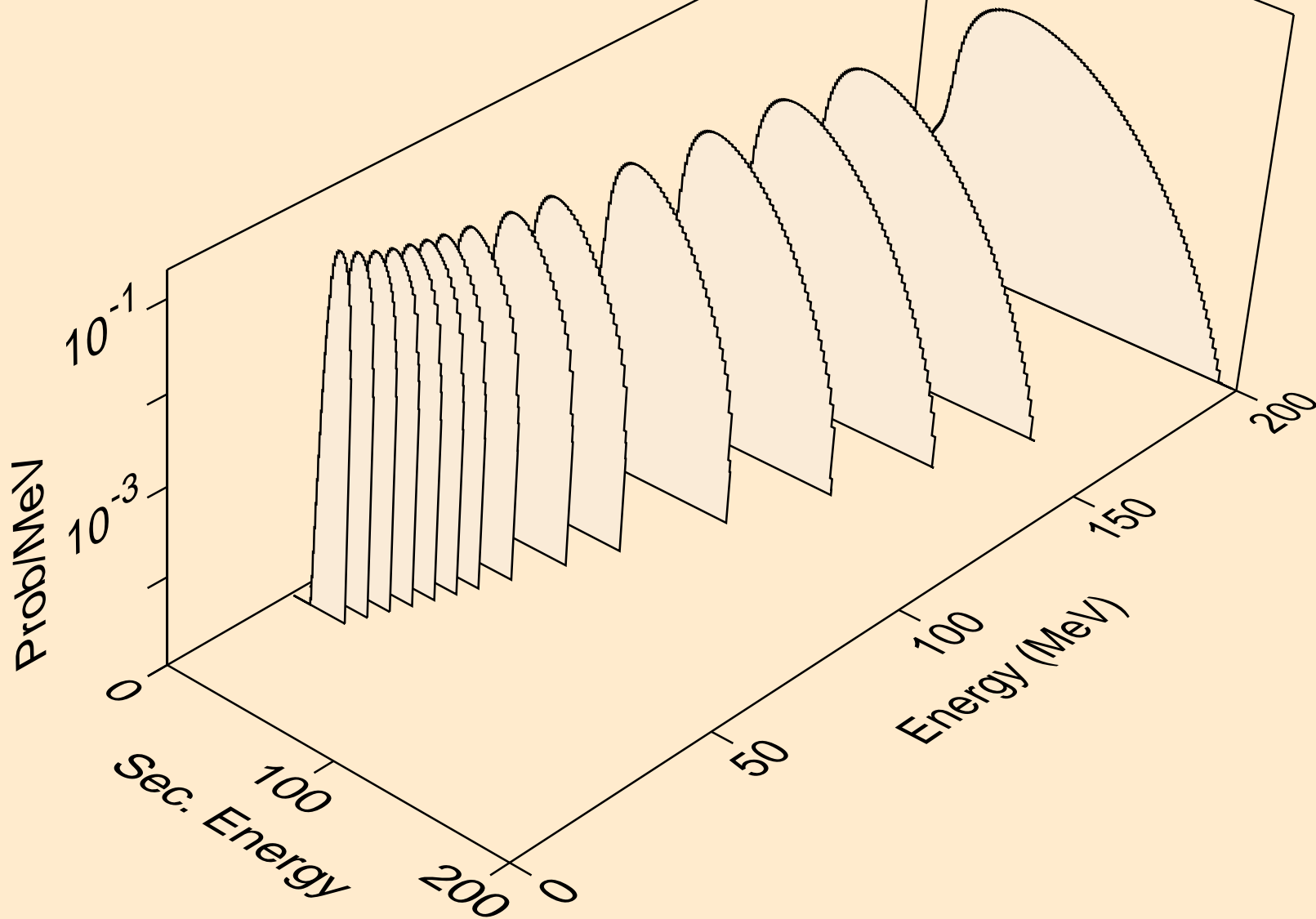
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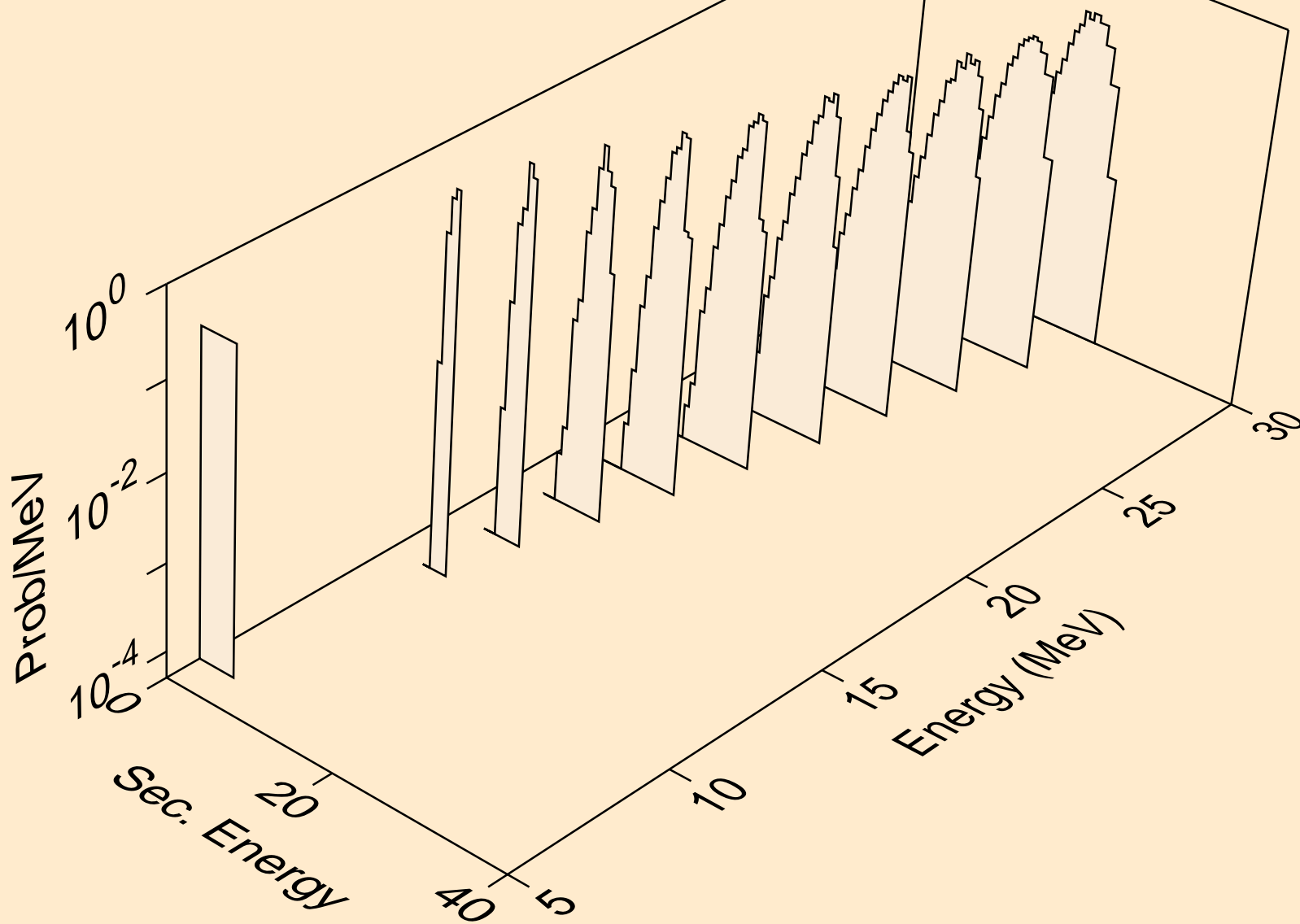
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

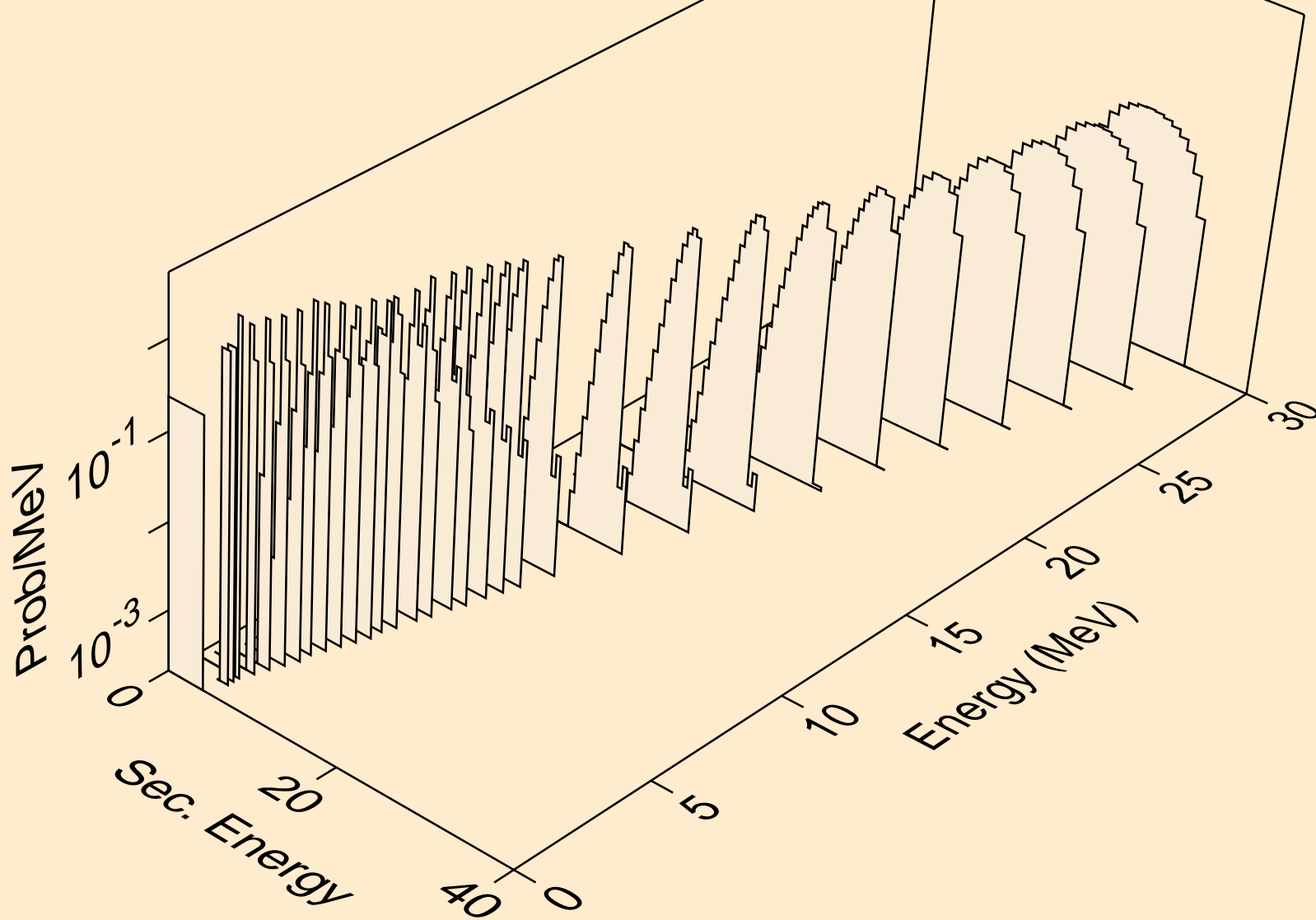


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he3s from (n,n\*)he3

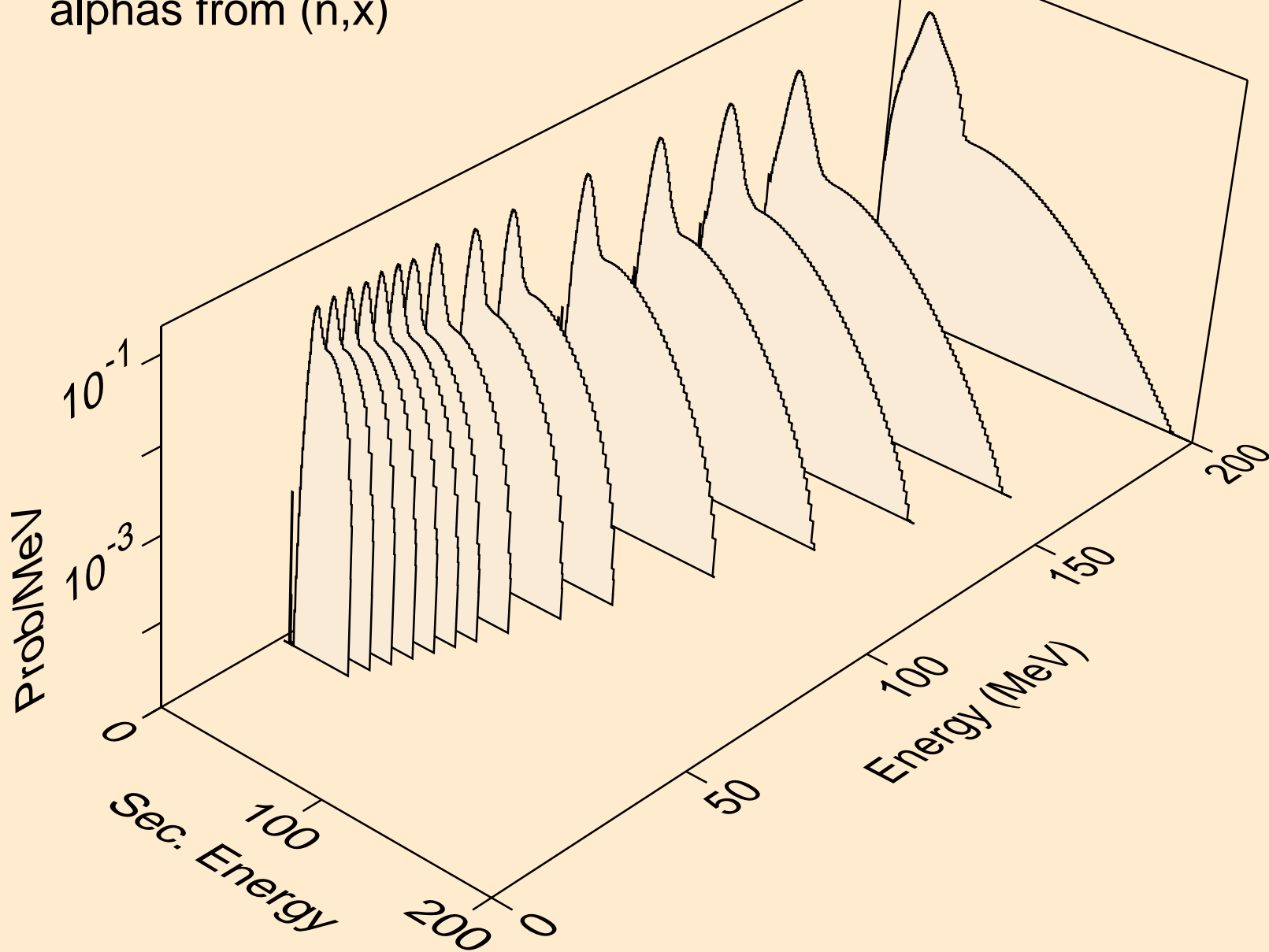




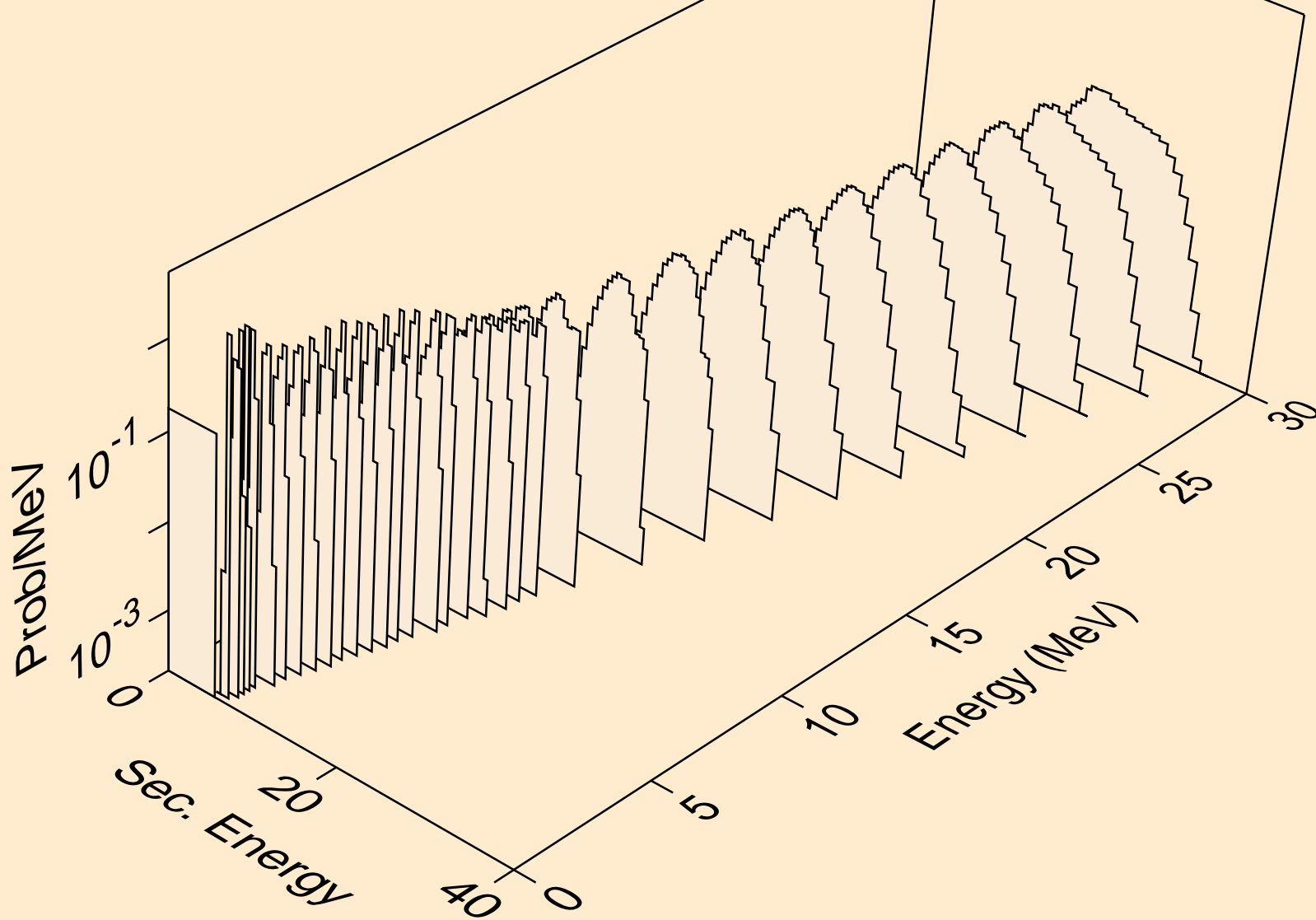
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he3s from (n,he3)



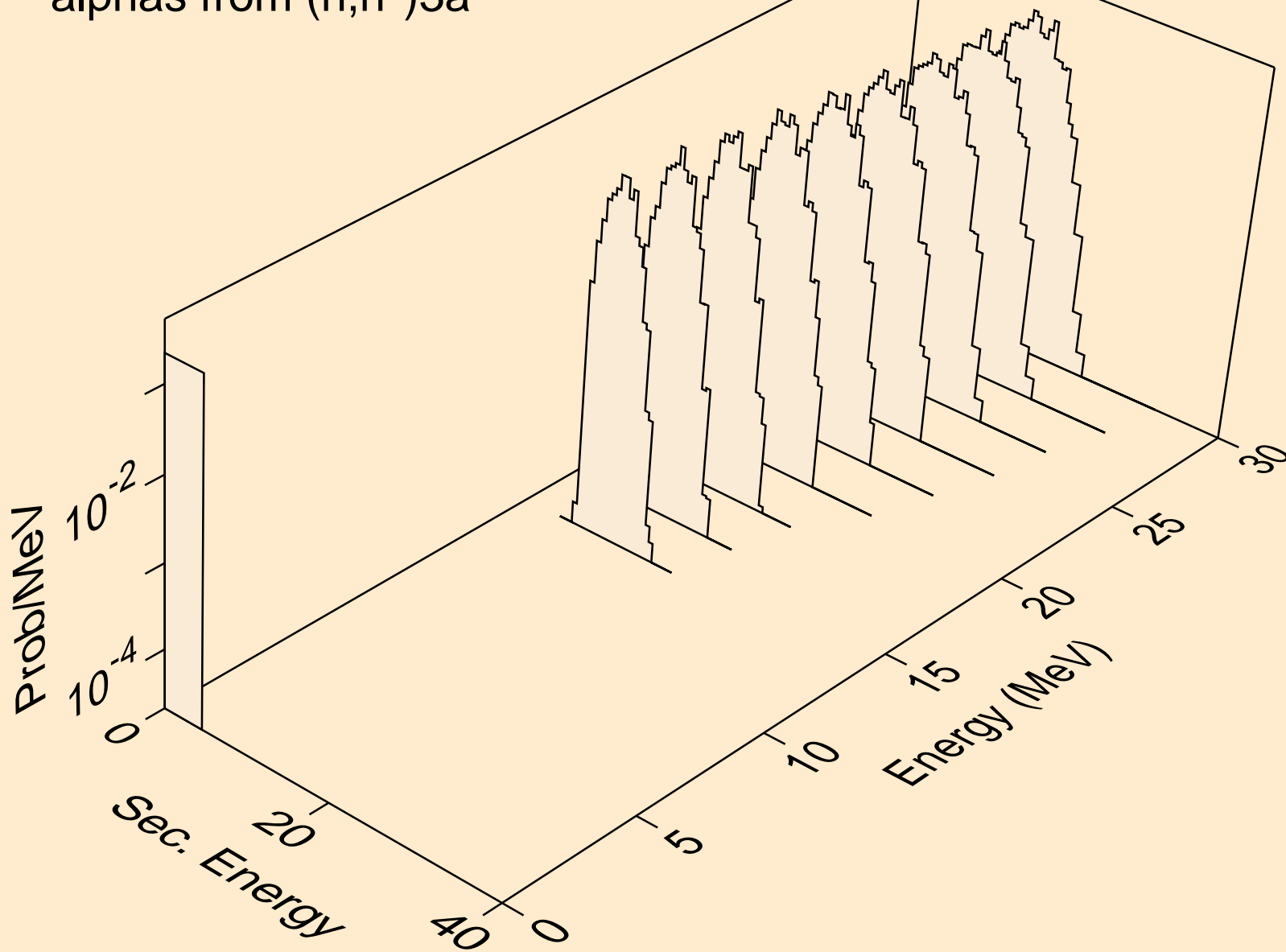
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alphas from (n,x)



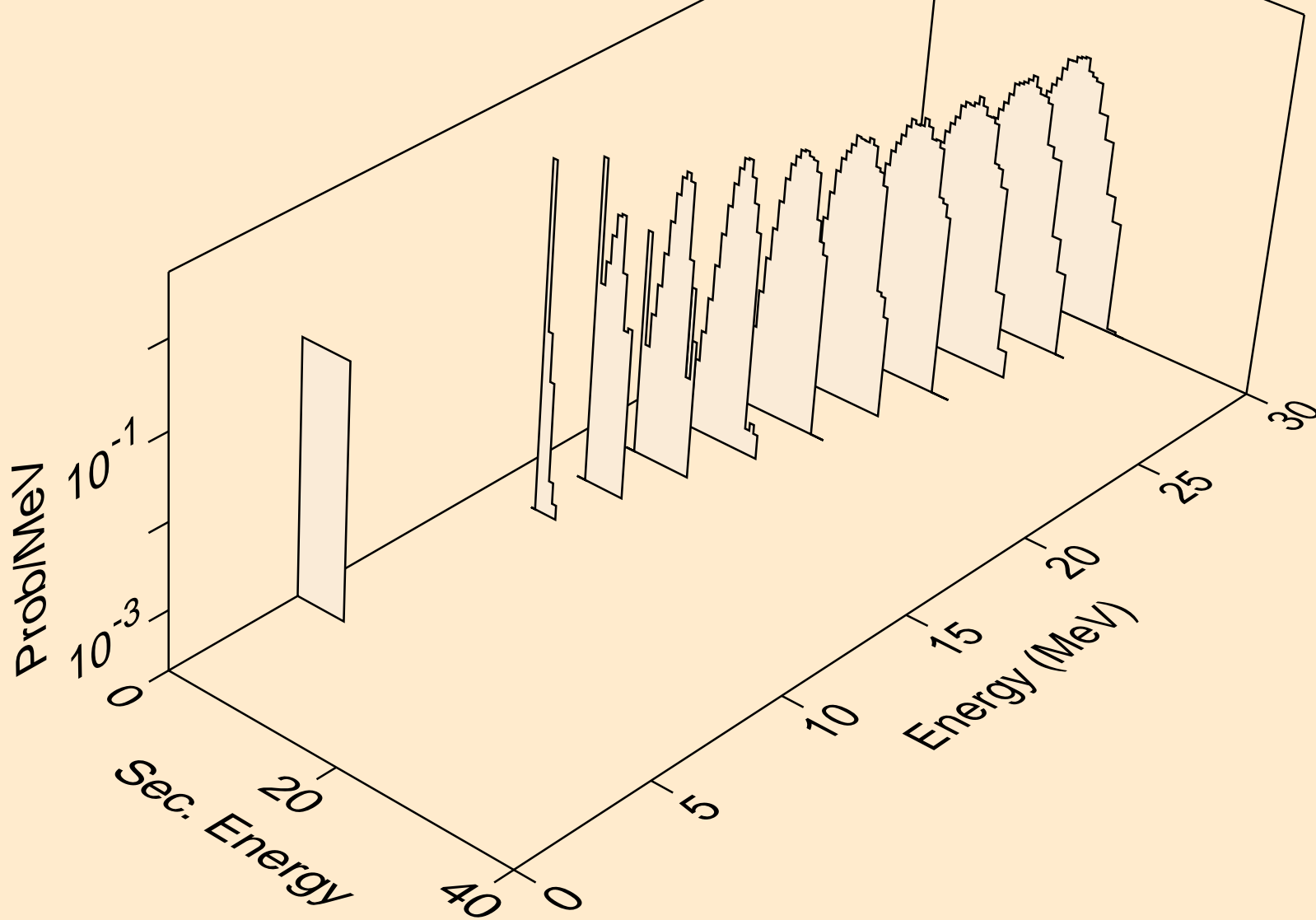
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alphas from (n,n\*)a



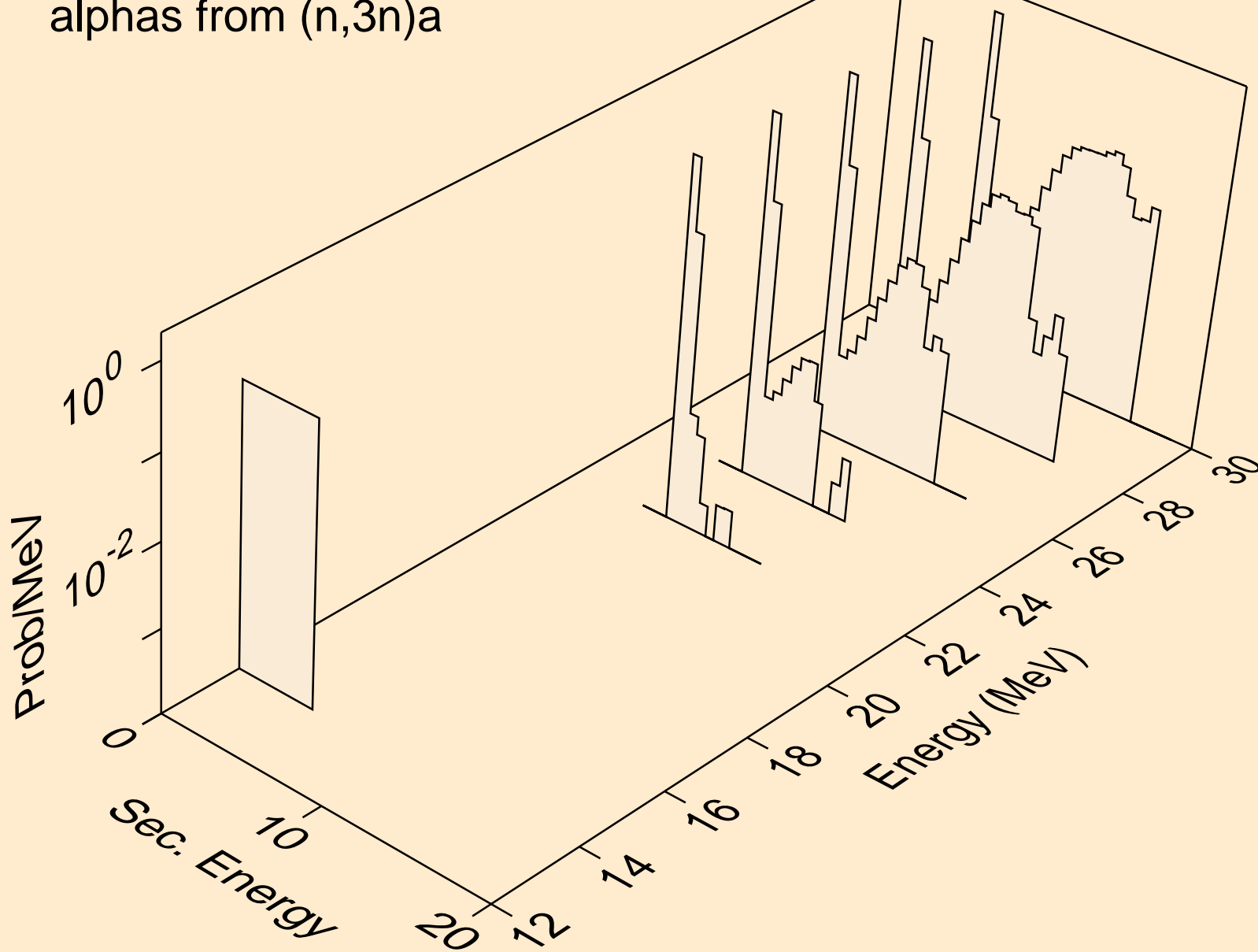
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alphas from (n,n\*)3a



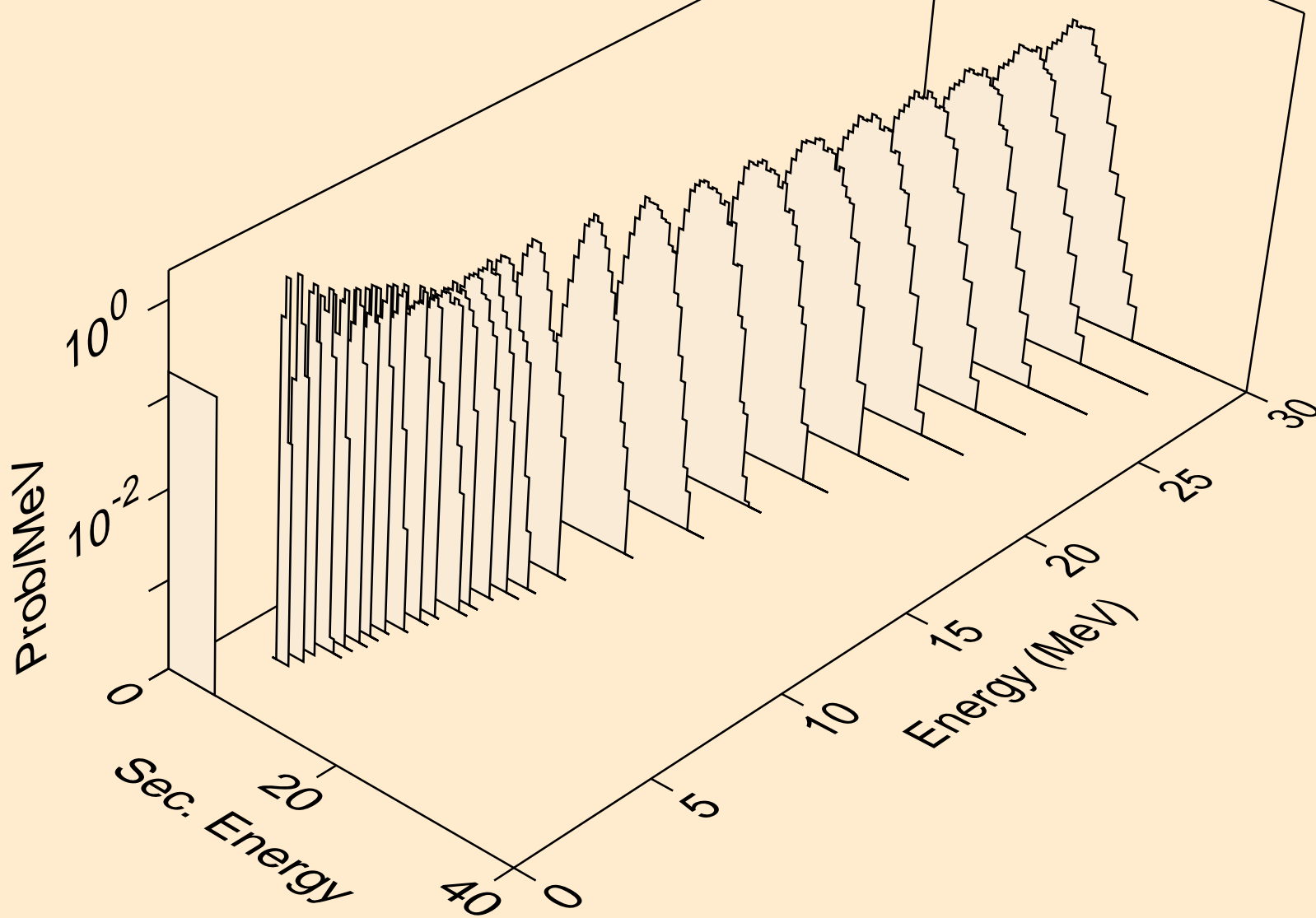
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alphas from (n,2n)a



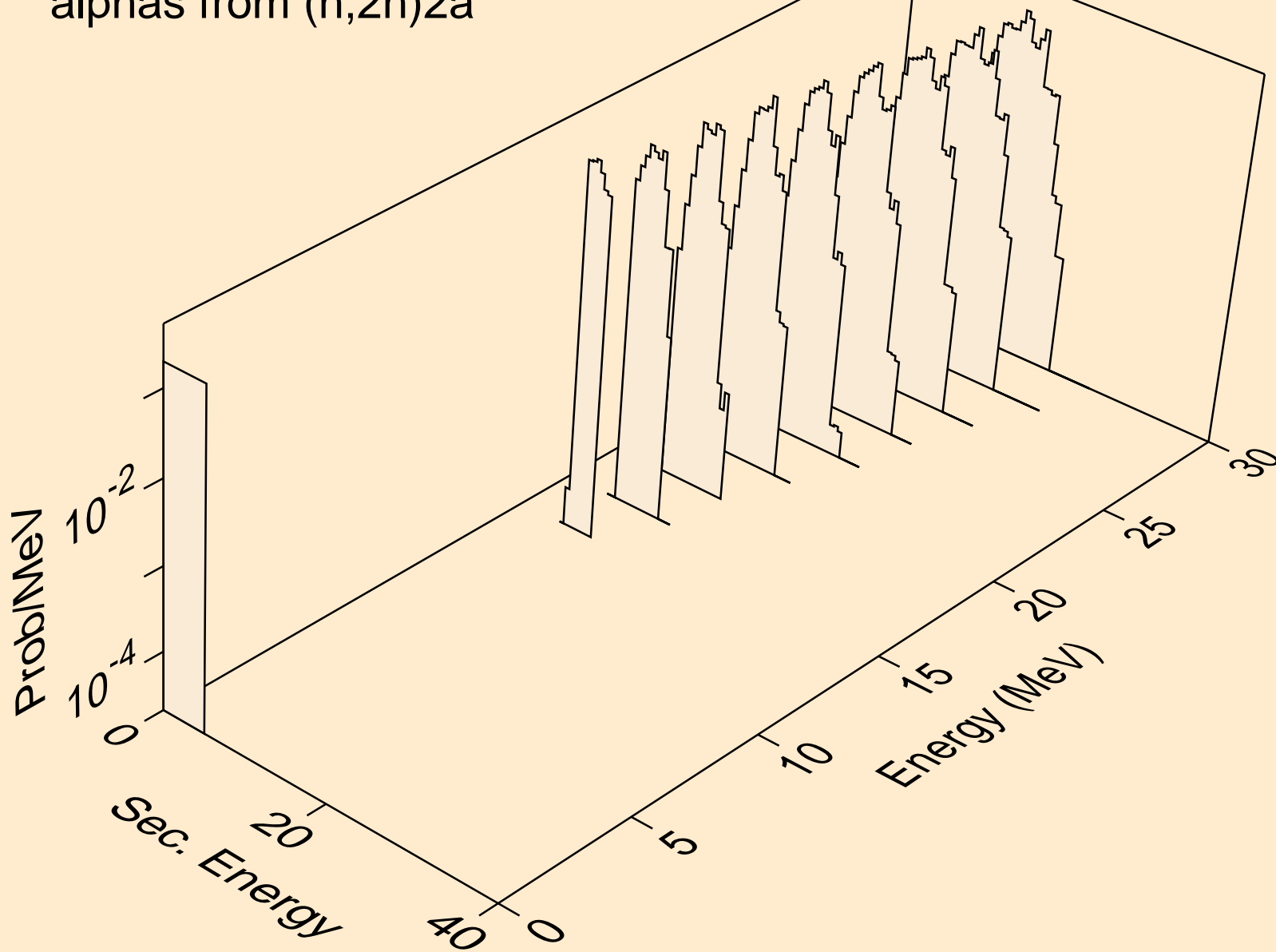
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alphas from (n,3n)a



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

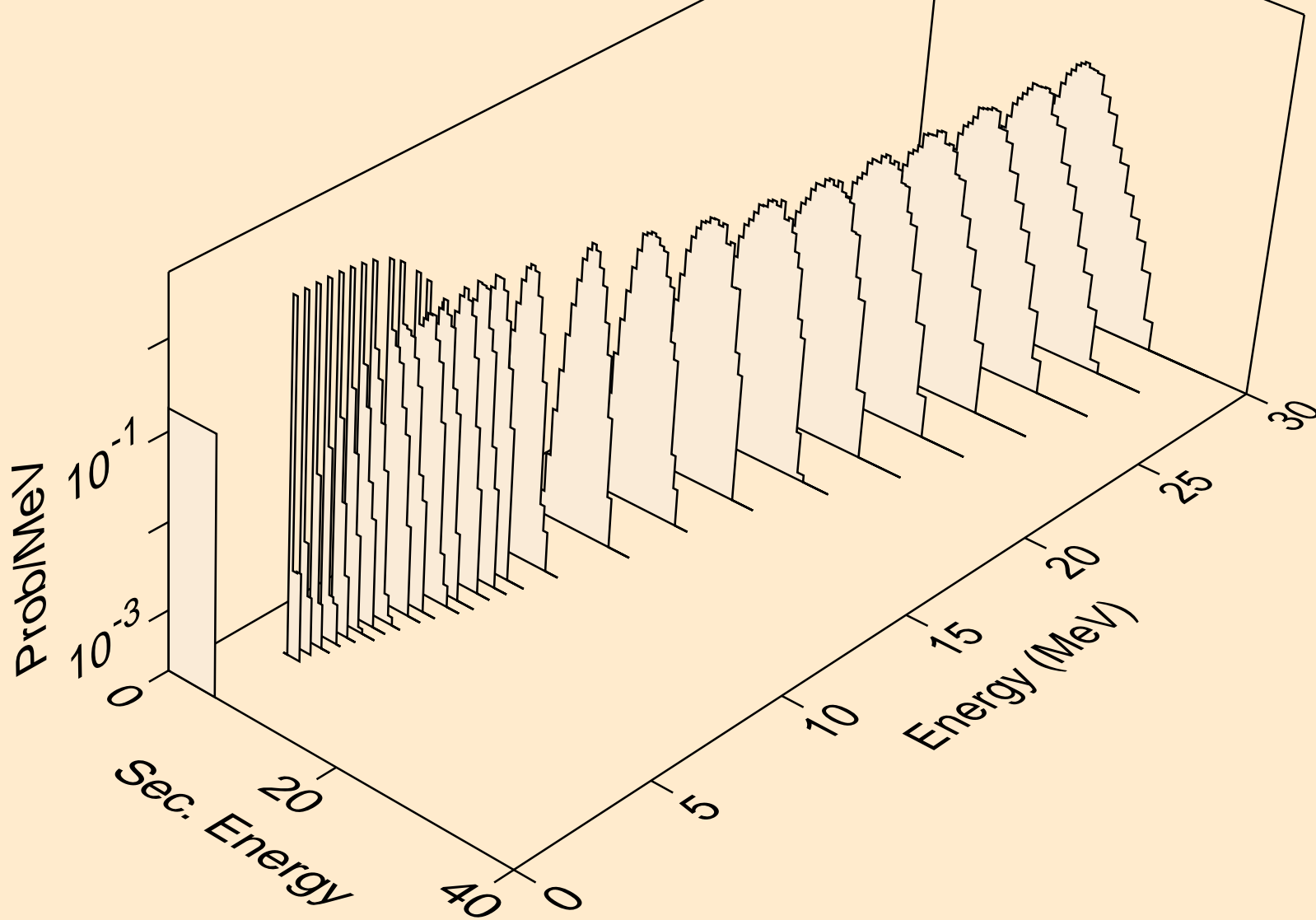


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alphas from (n,2n)2a

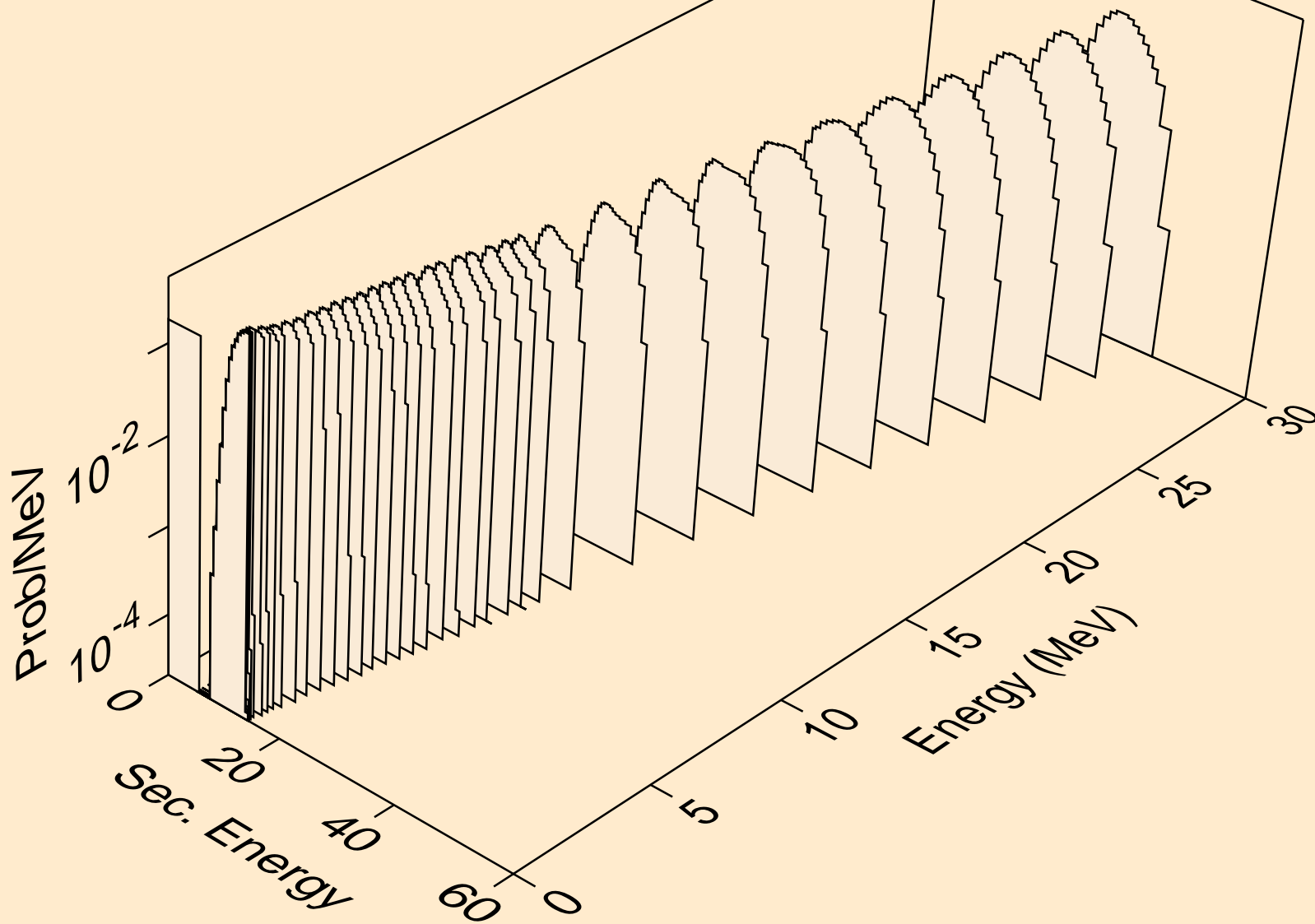




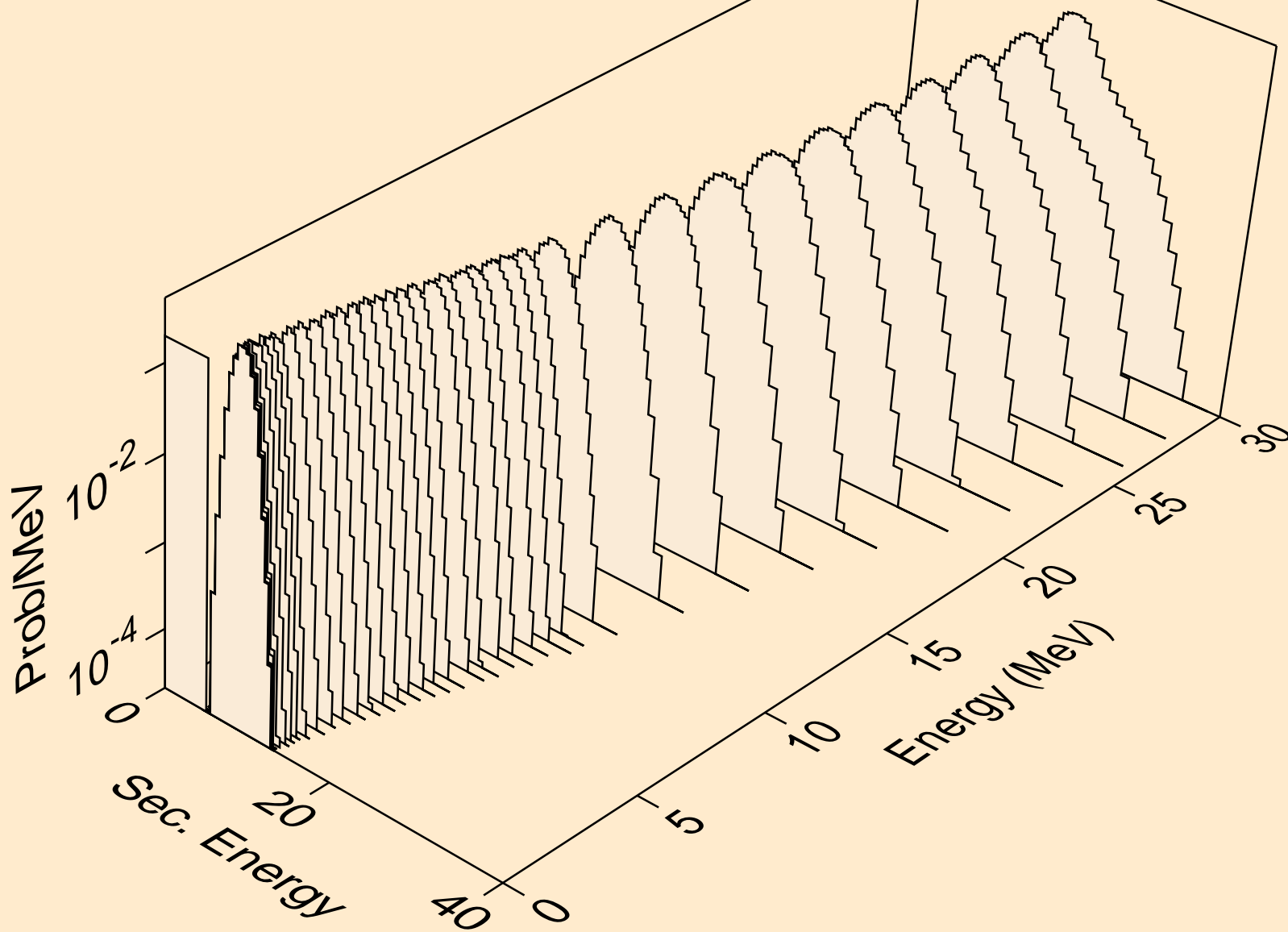
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alphas from (n,npa)



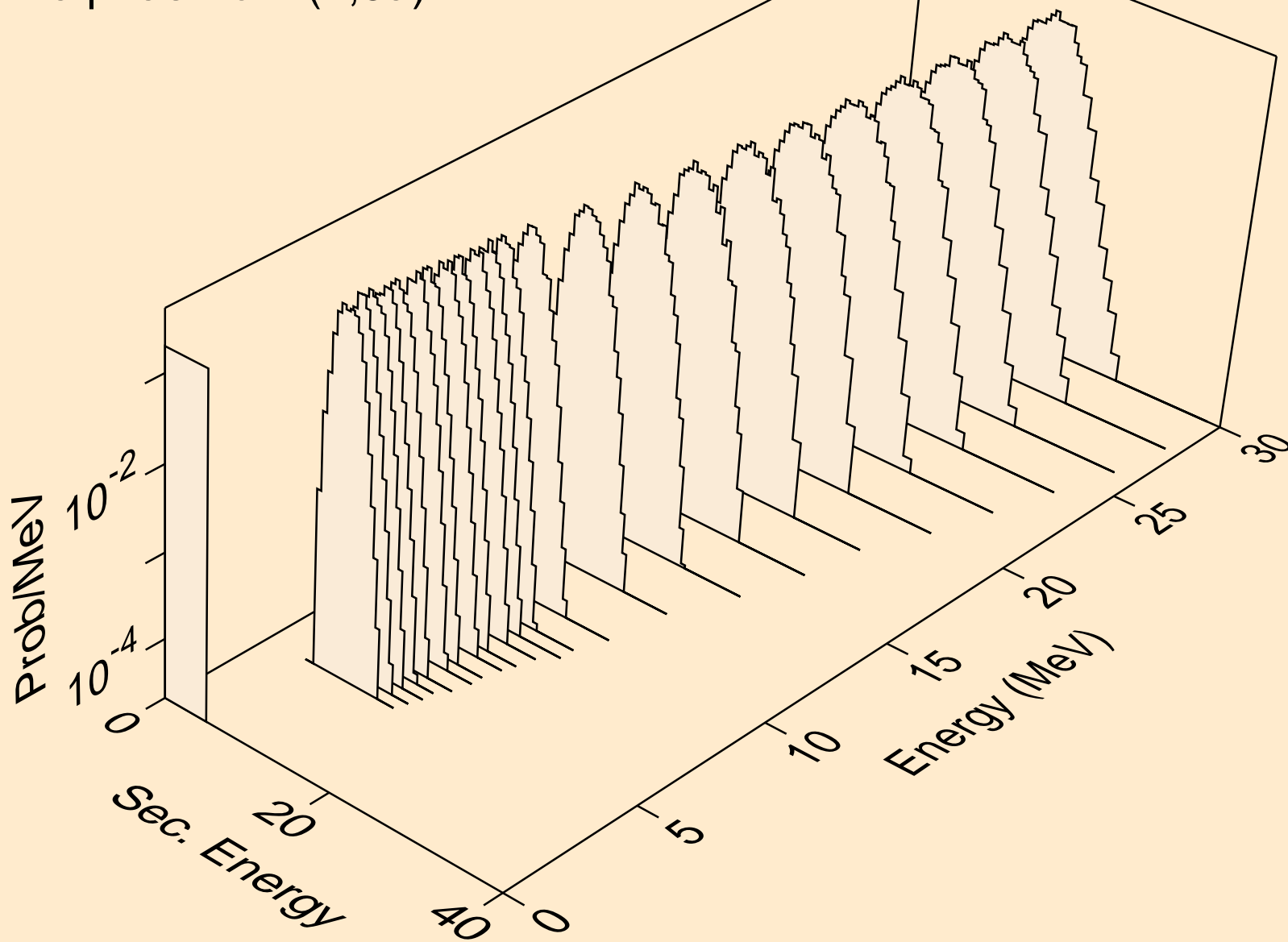
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alphas from (n,a)



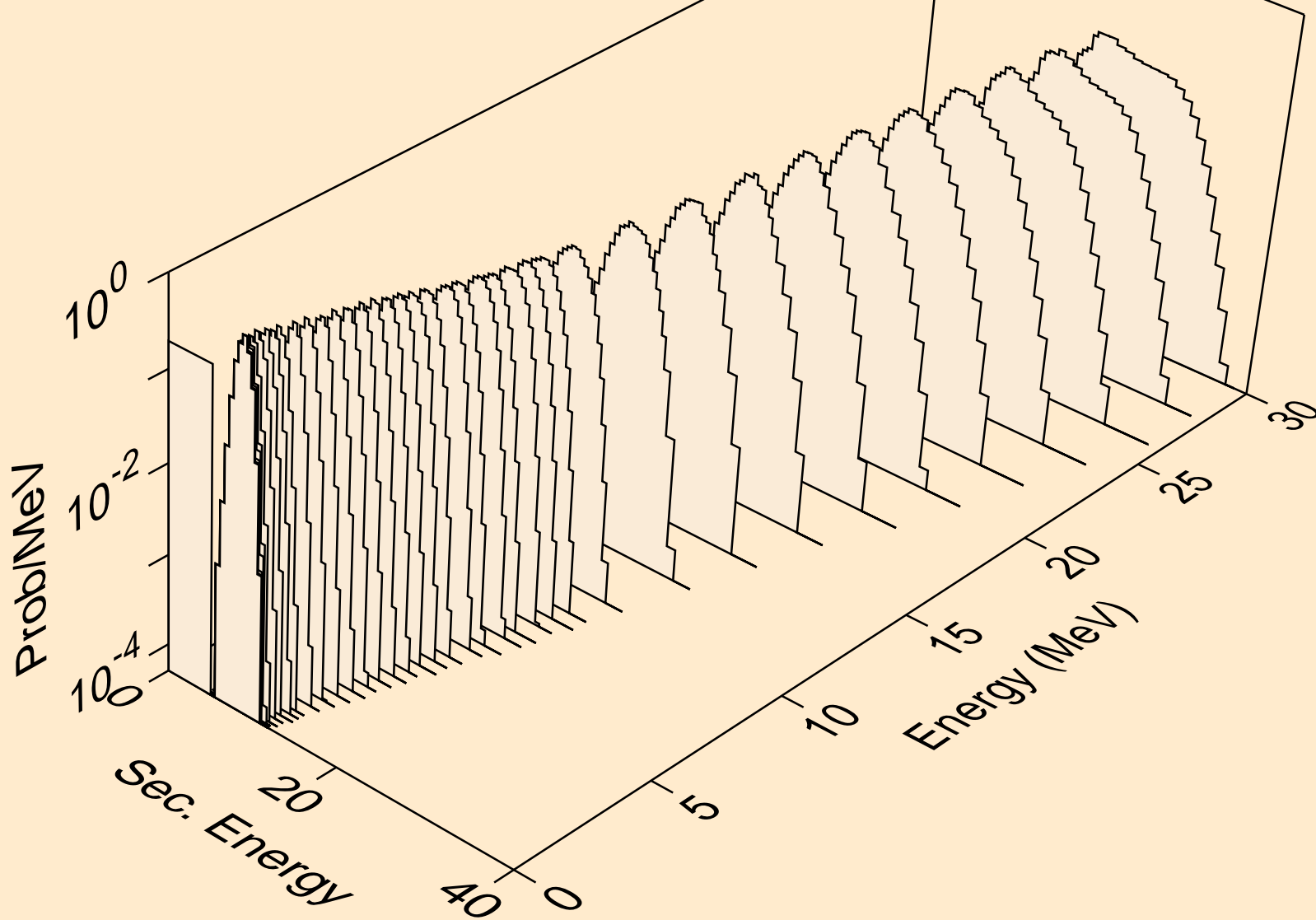
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alphas from (n,2a)



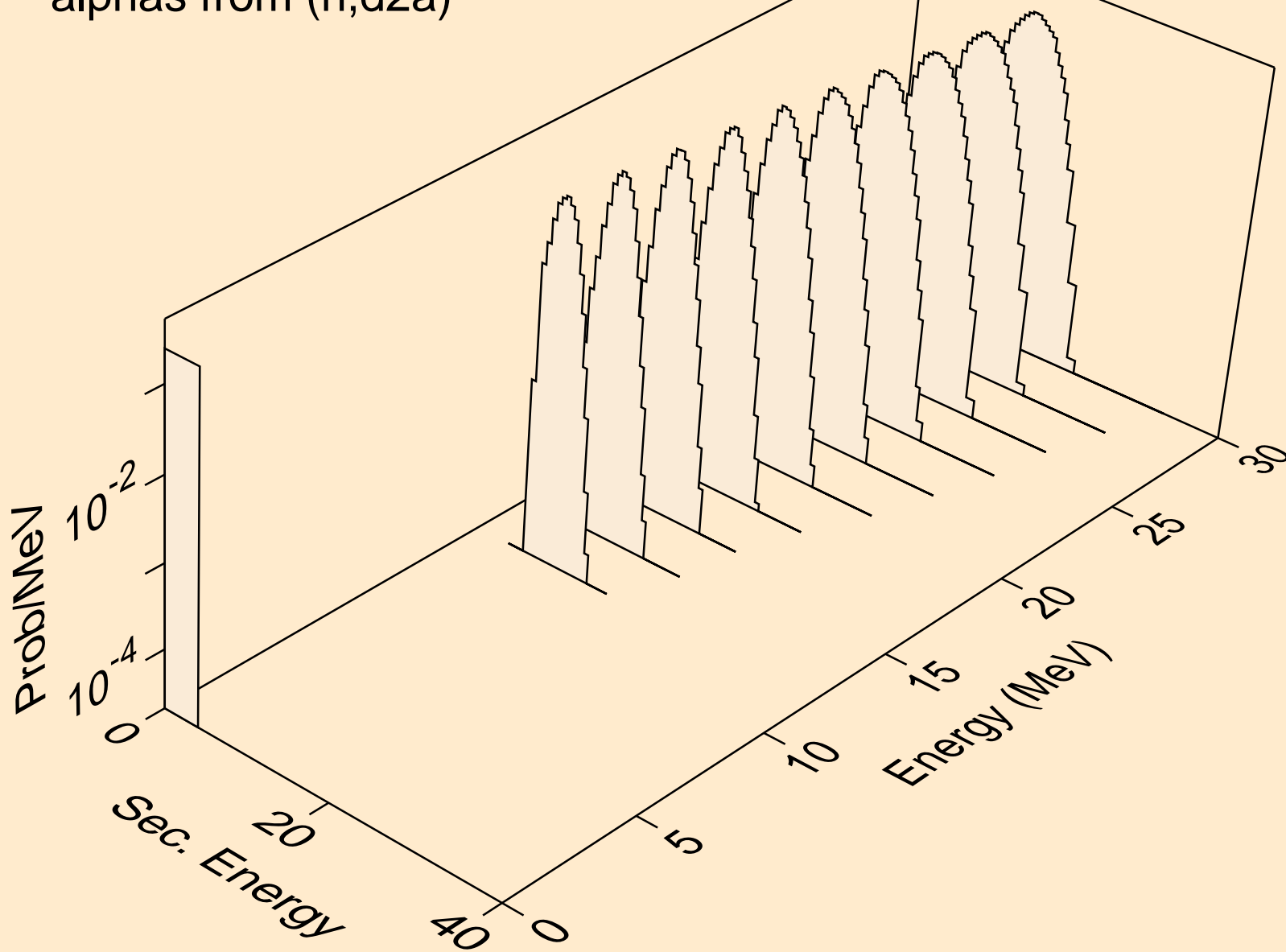
IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)



IR173M NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

