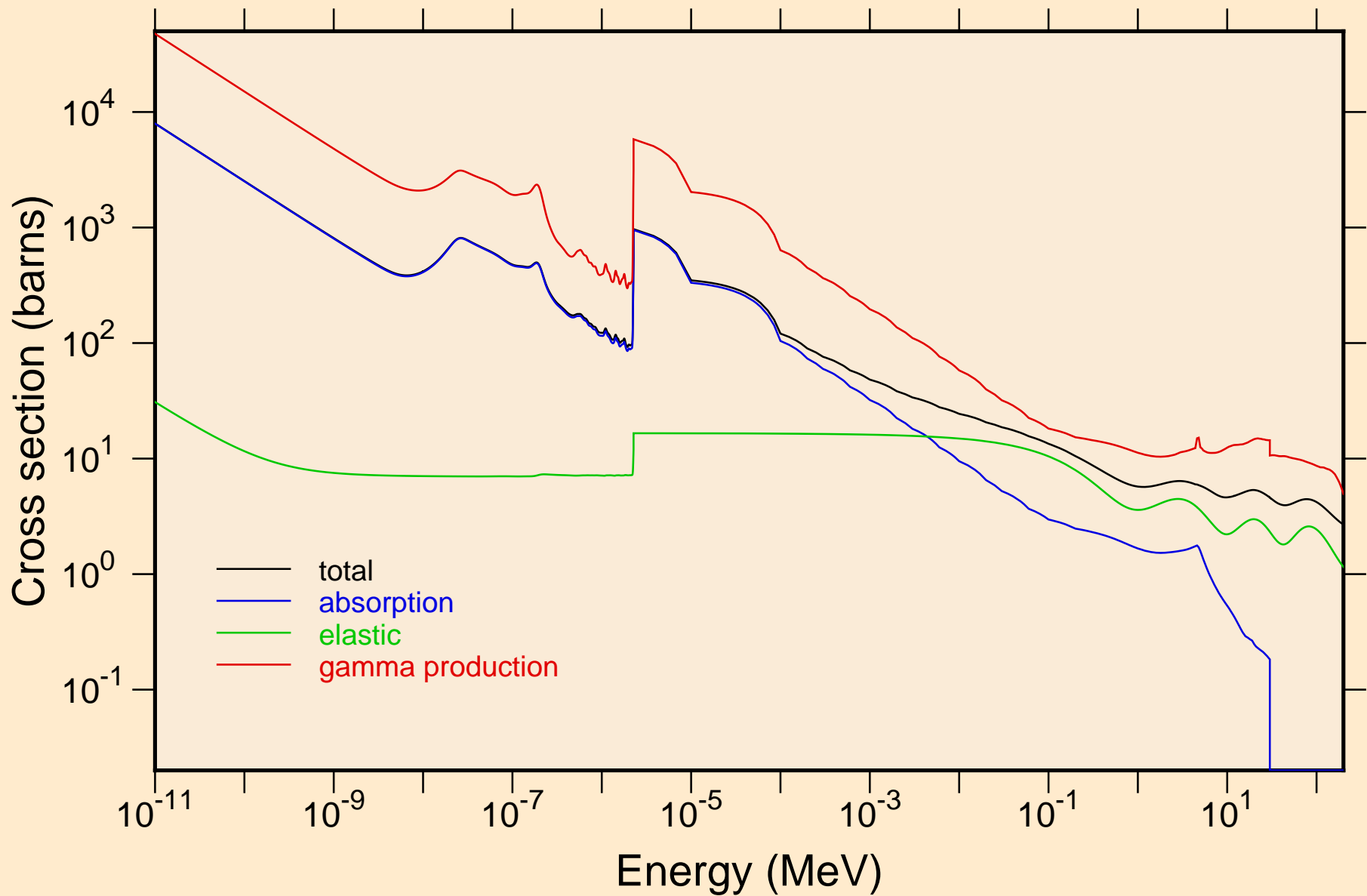
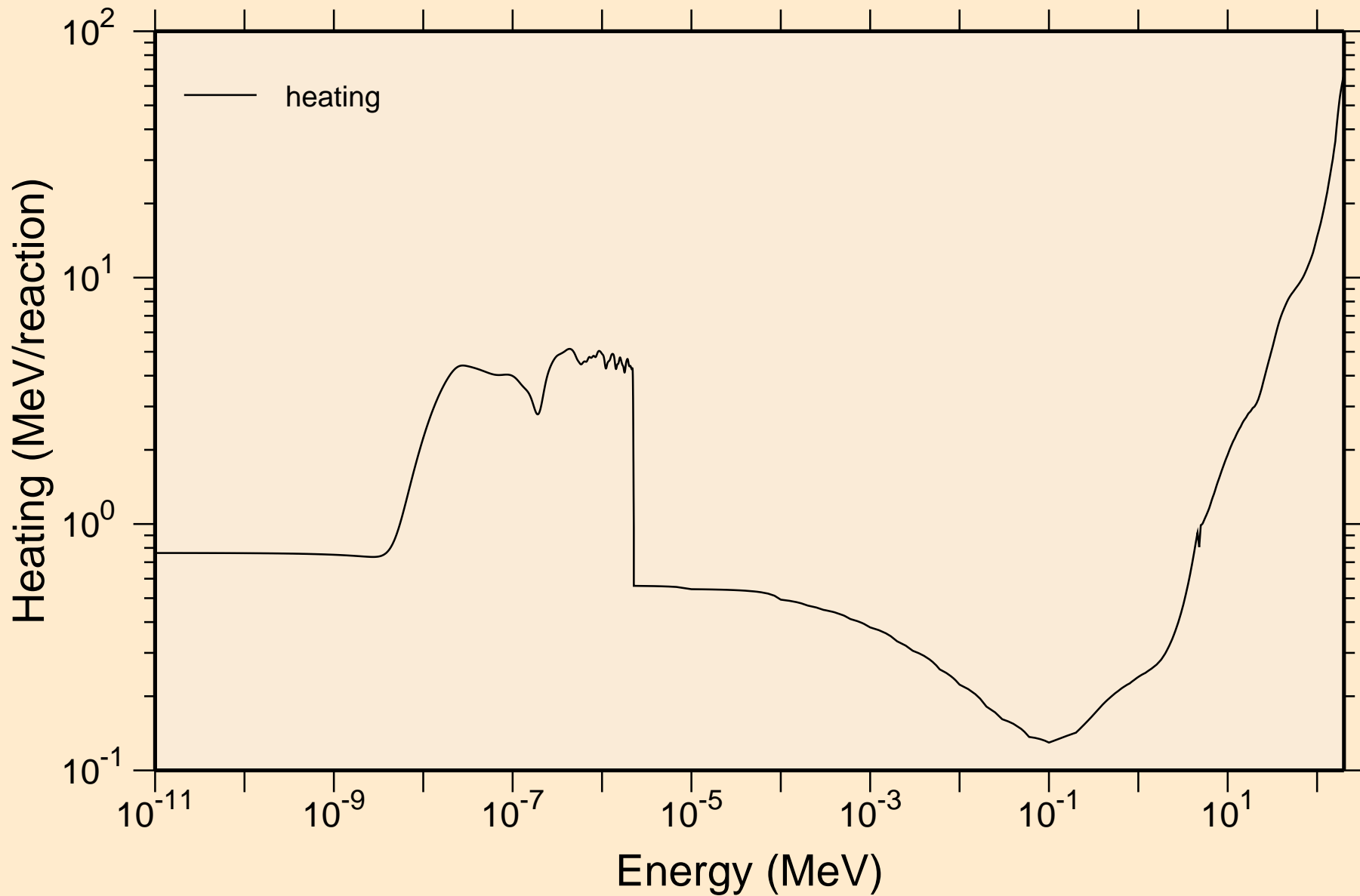


# IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

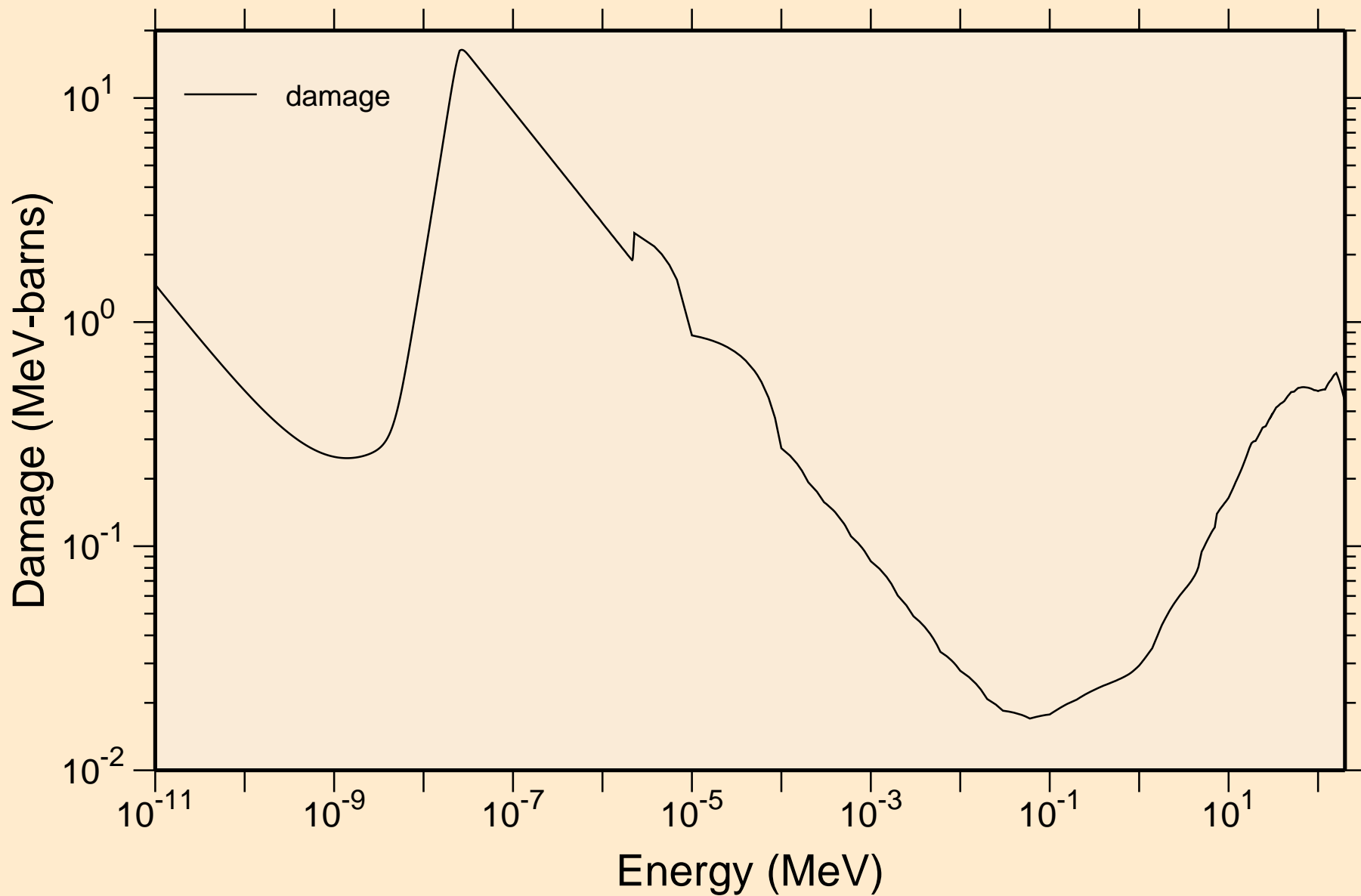
## Principal cross sections



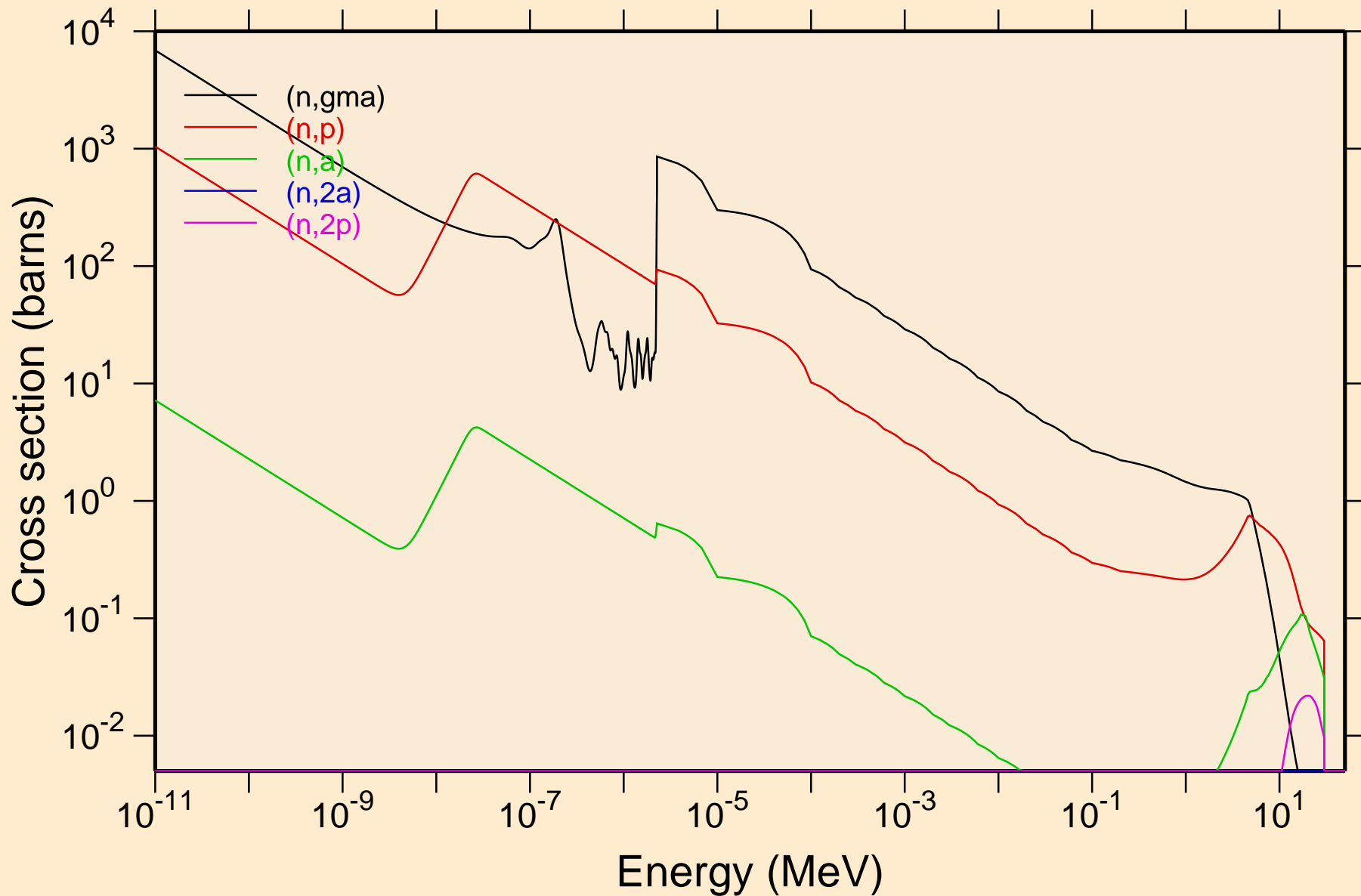
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



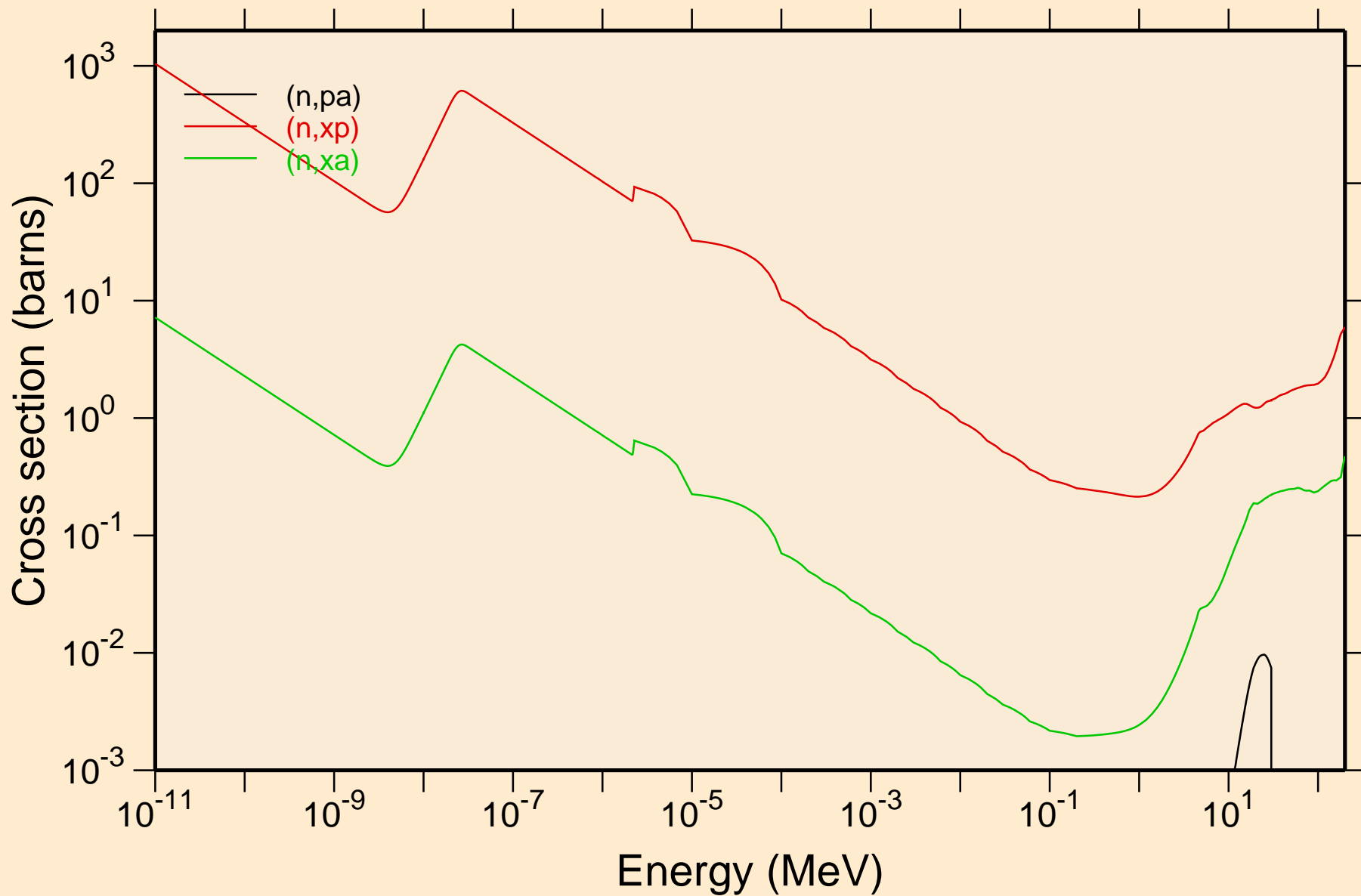
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

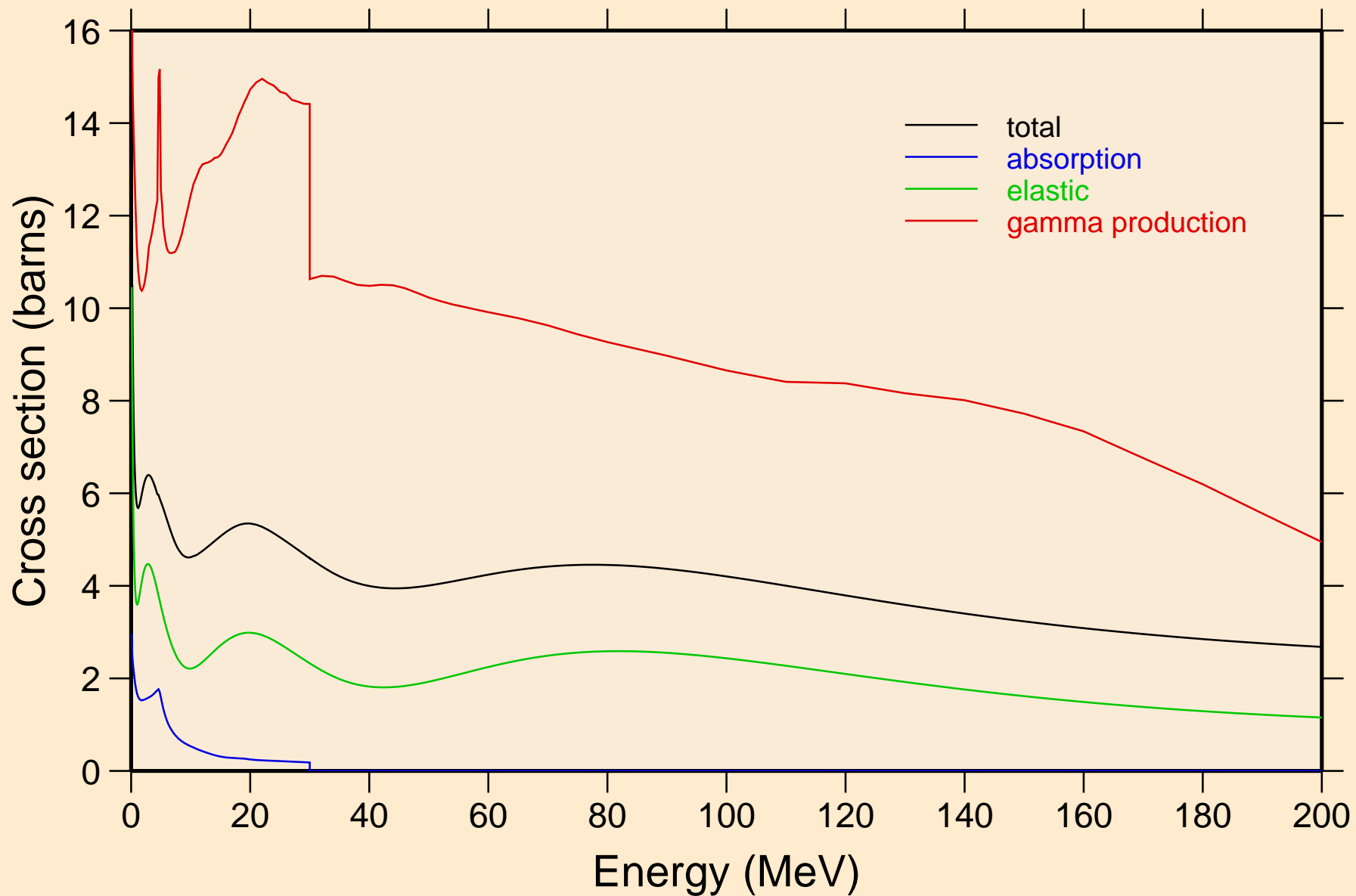


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

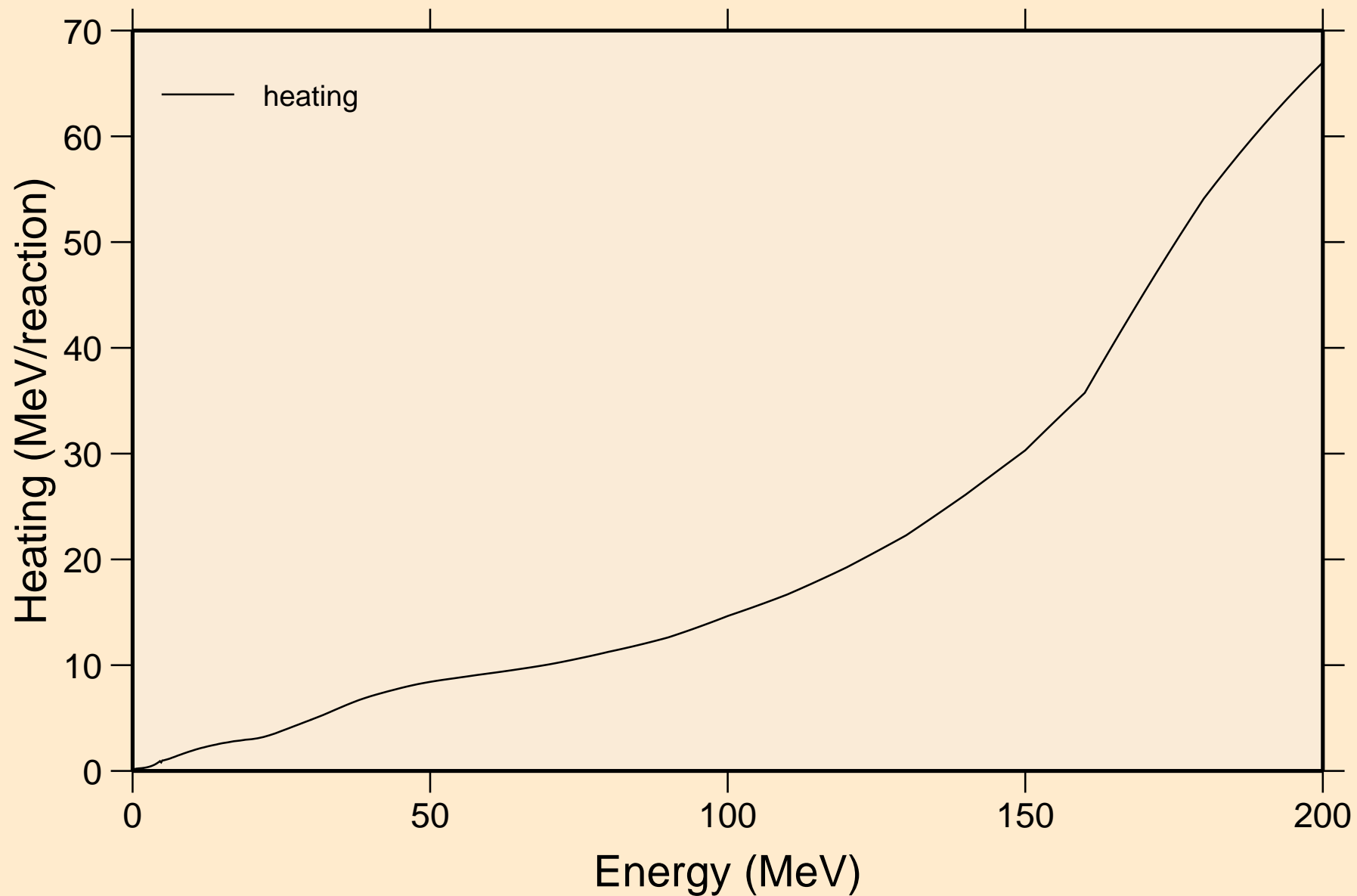


# IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

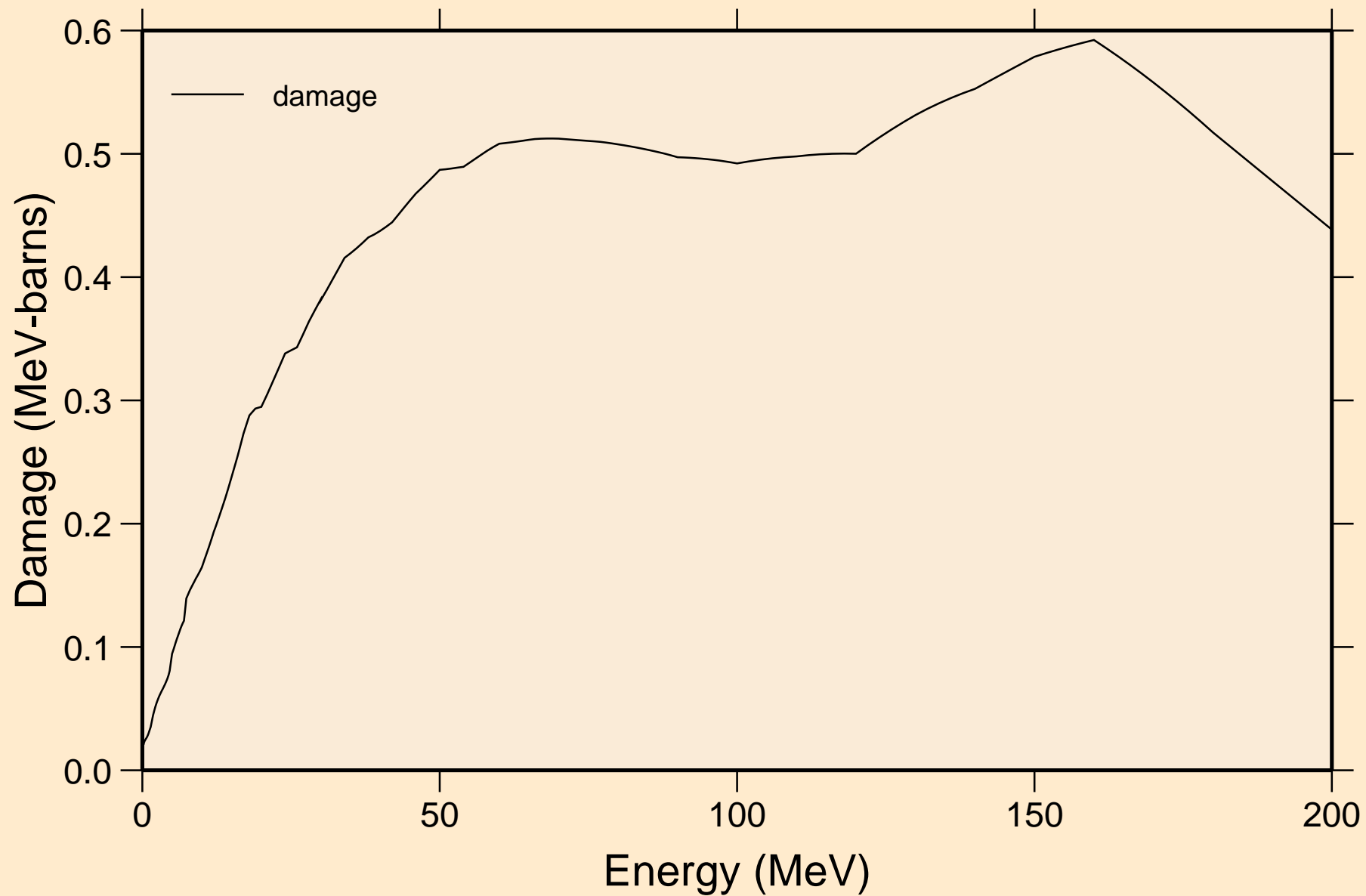
## Principal cross sections



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

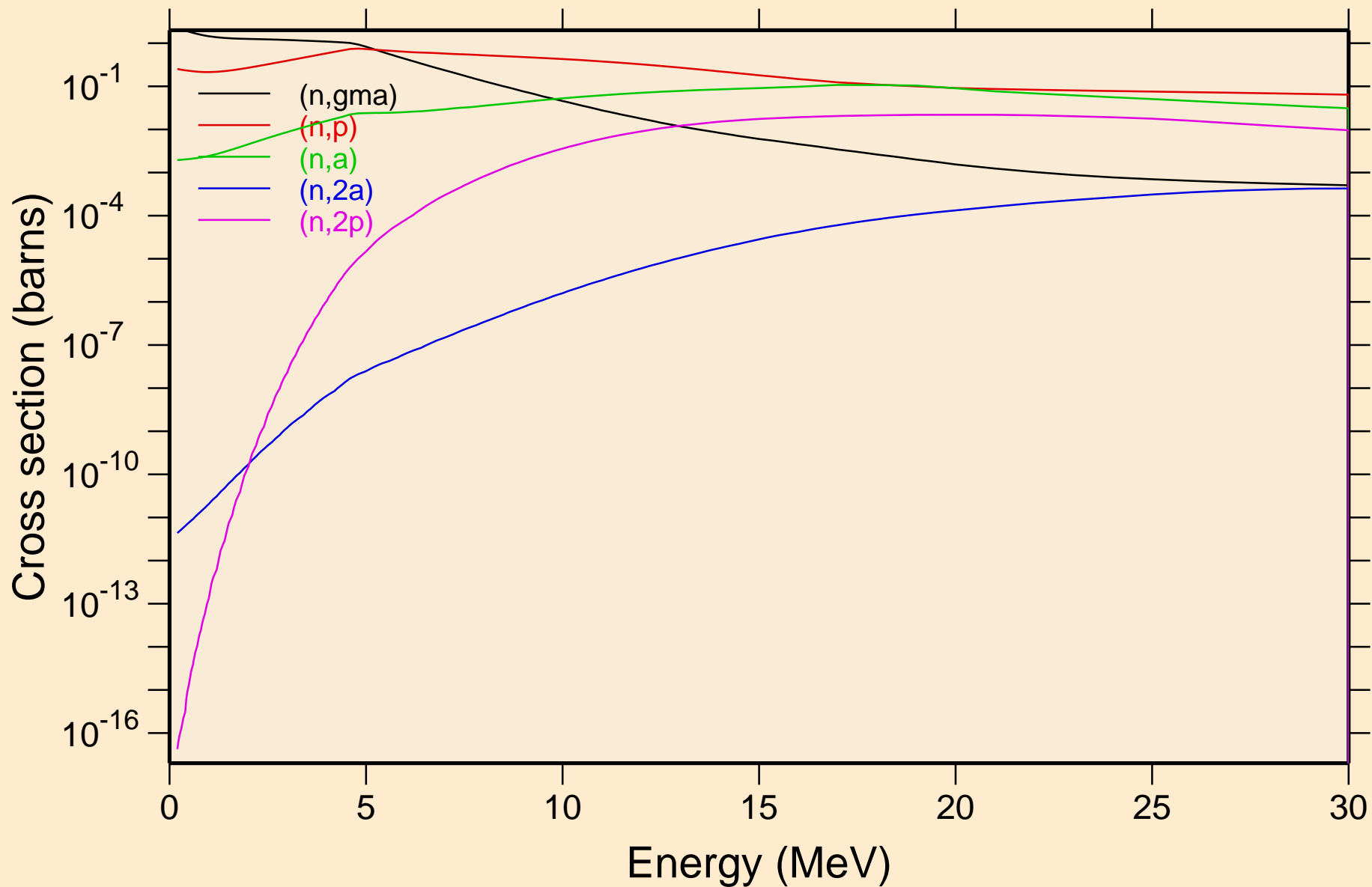


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

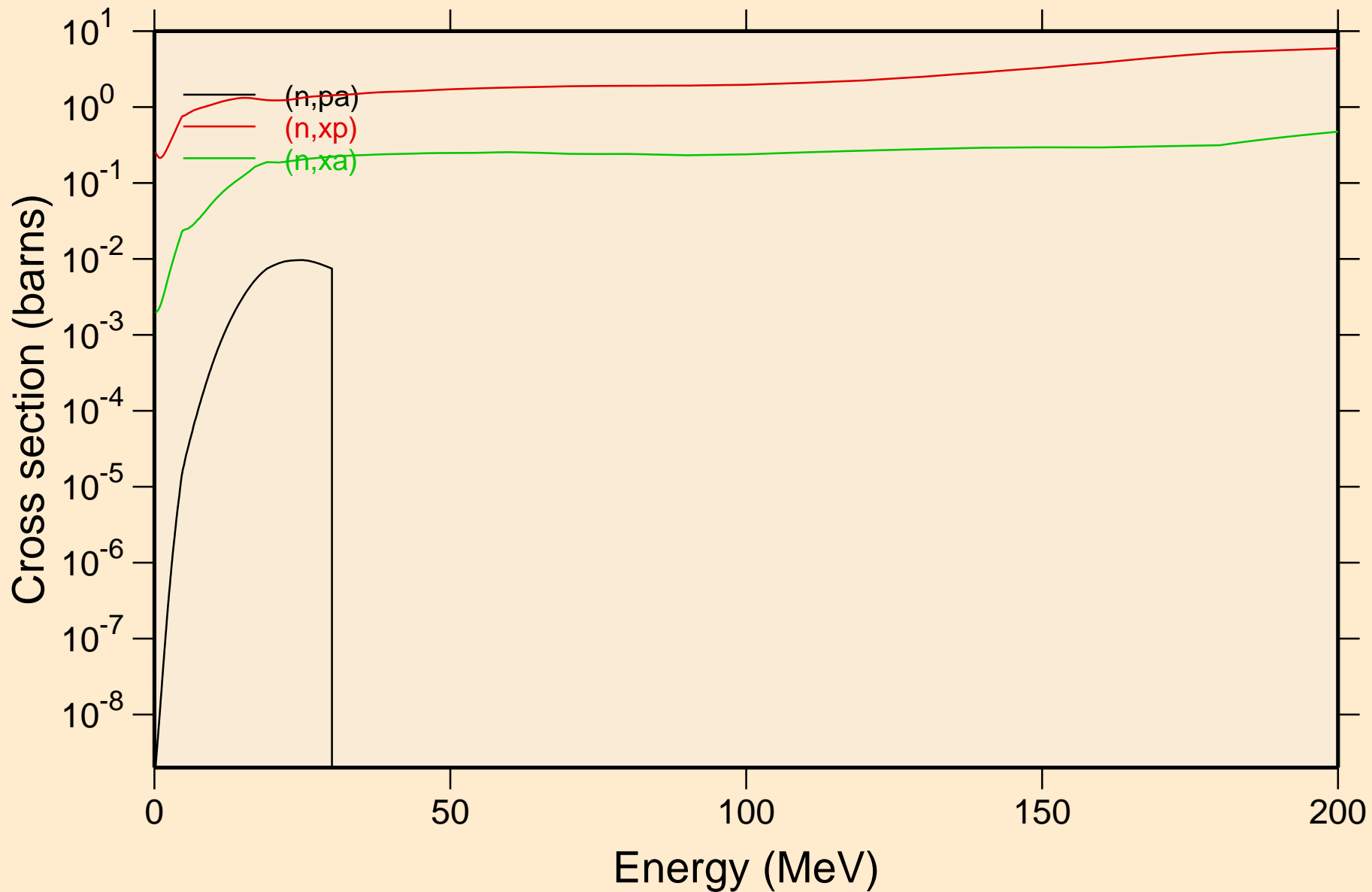




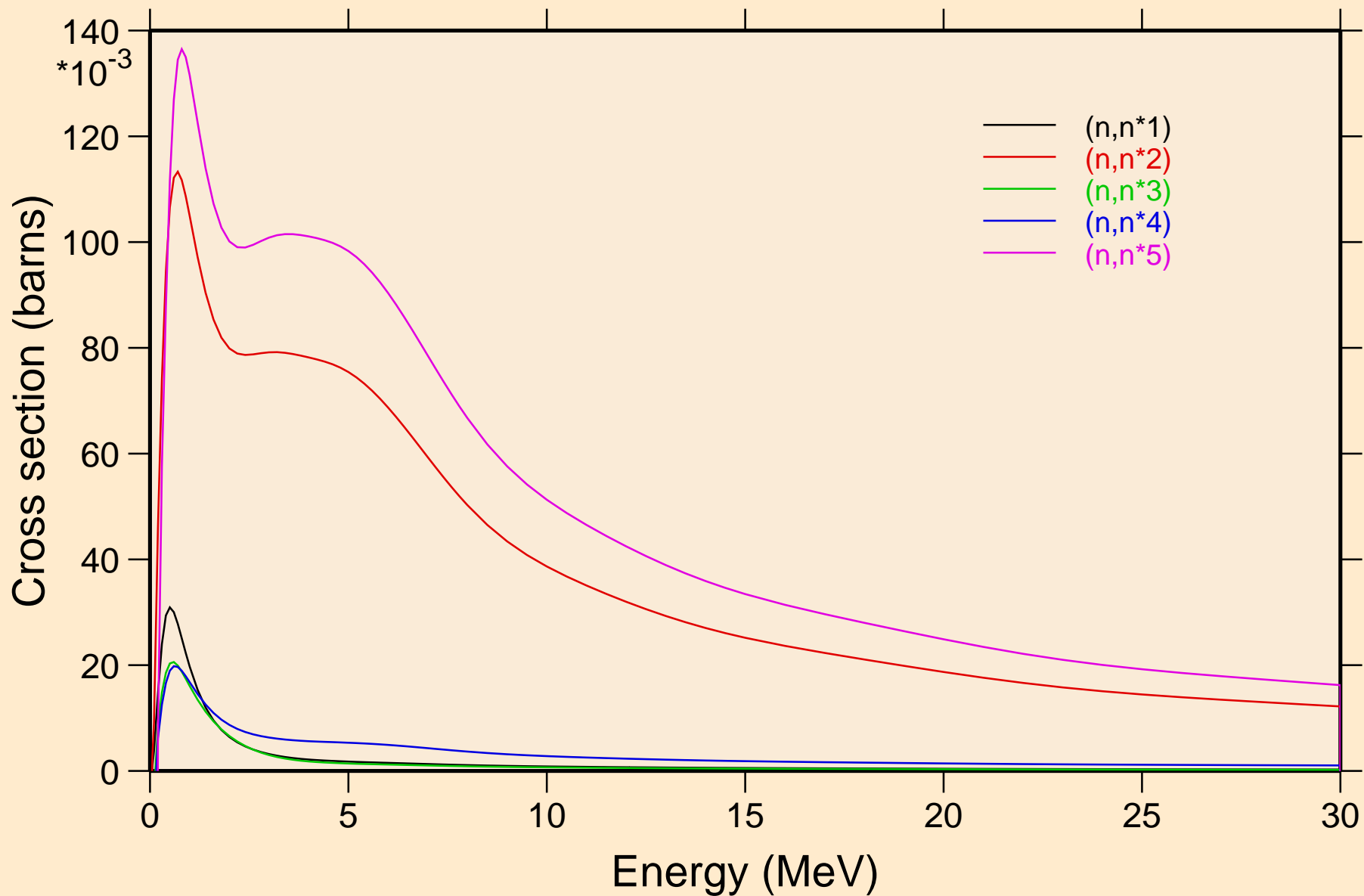
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



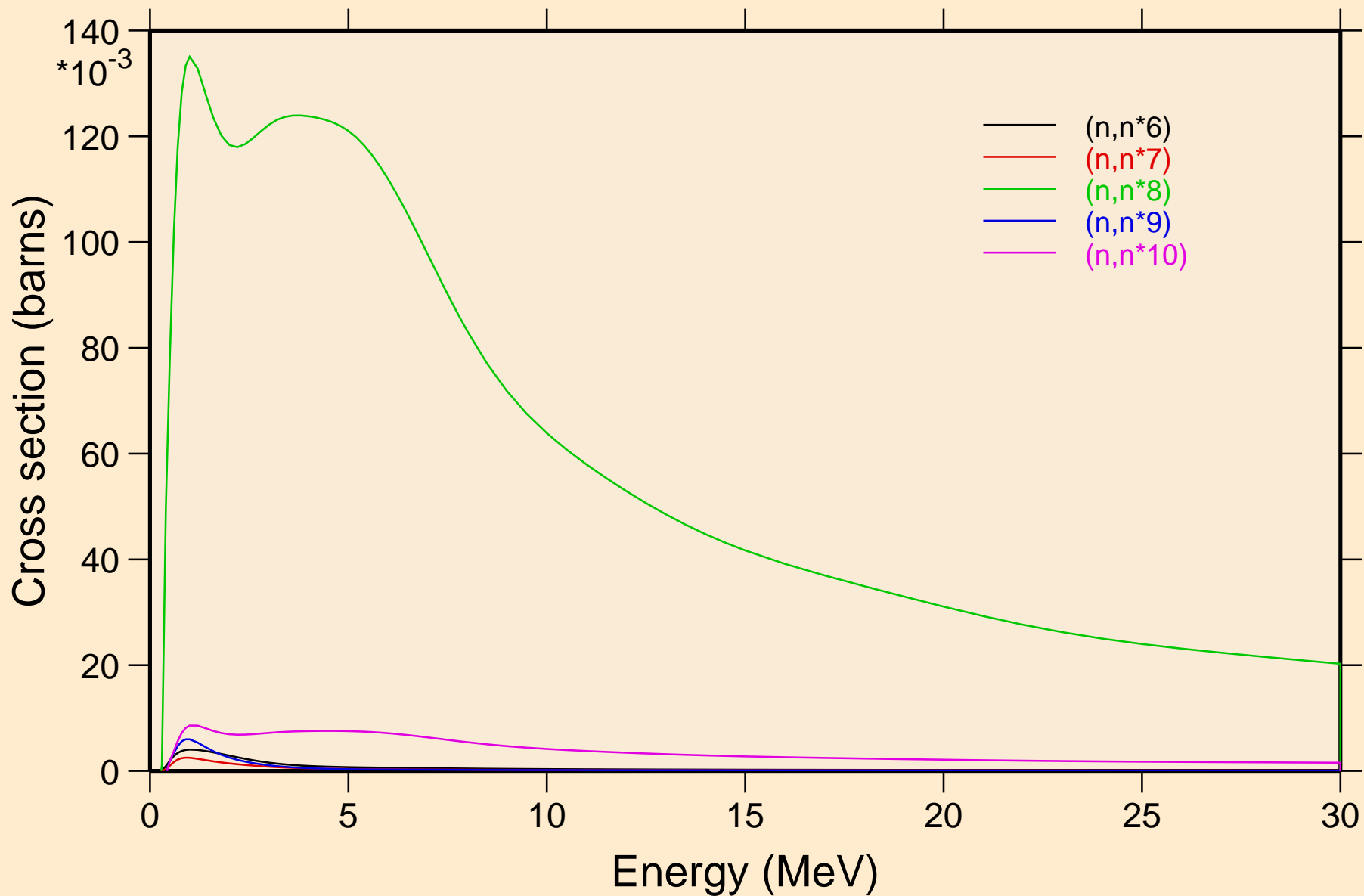
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



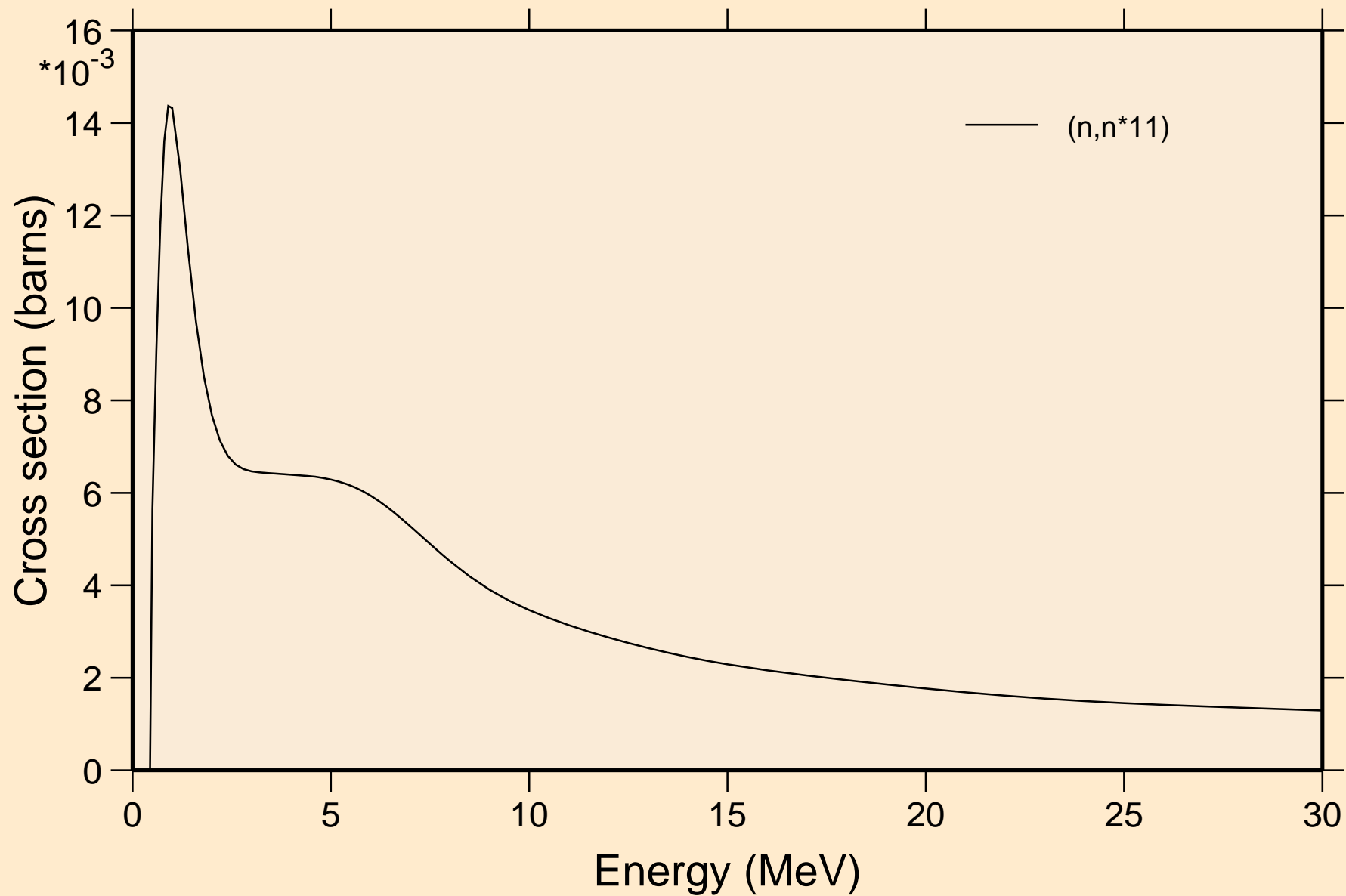
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



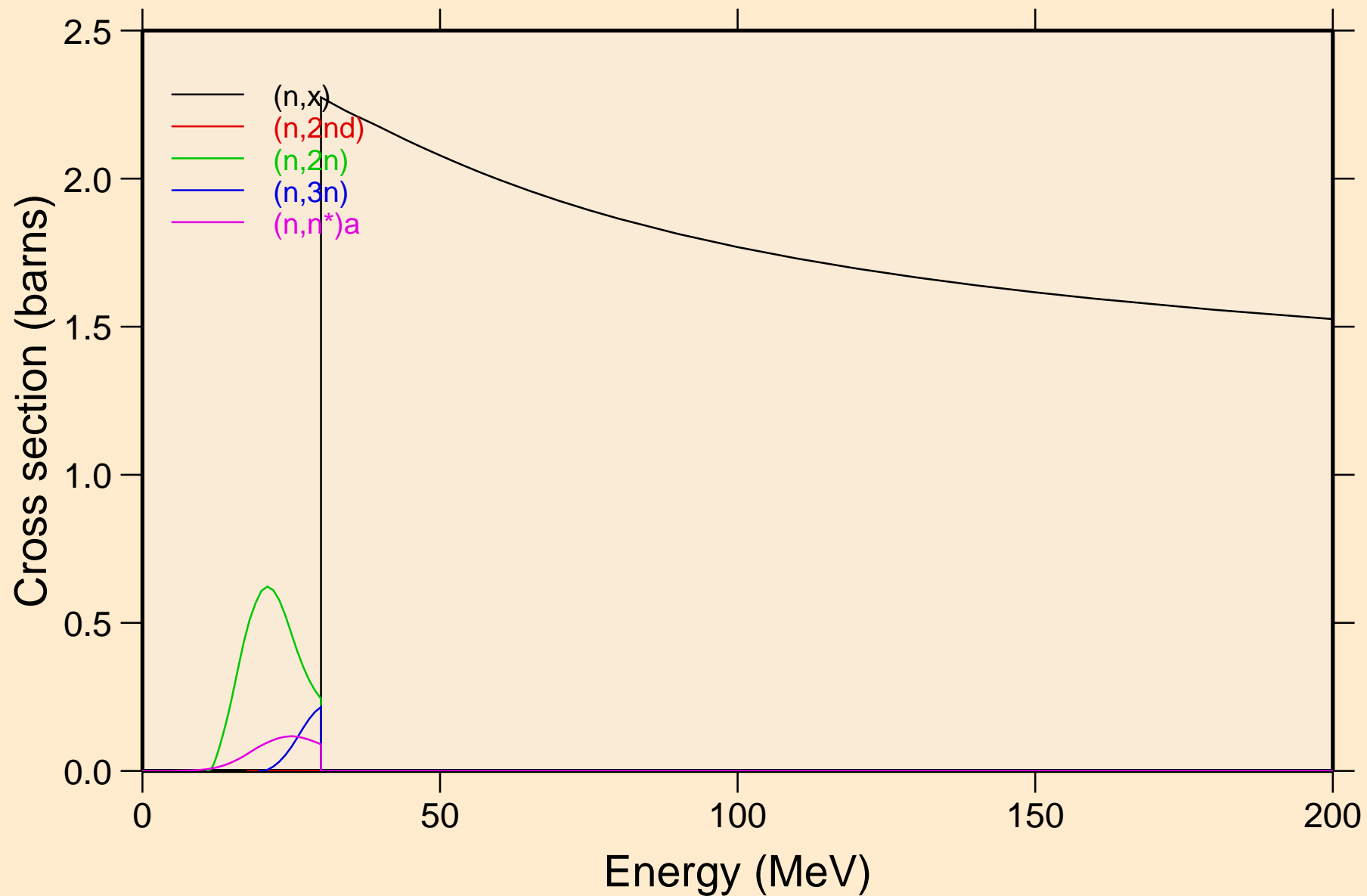
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



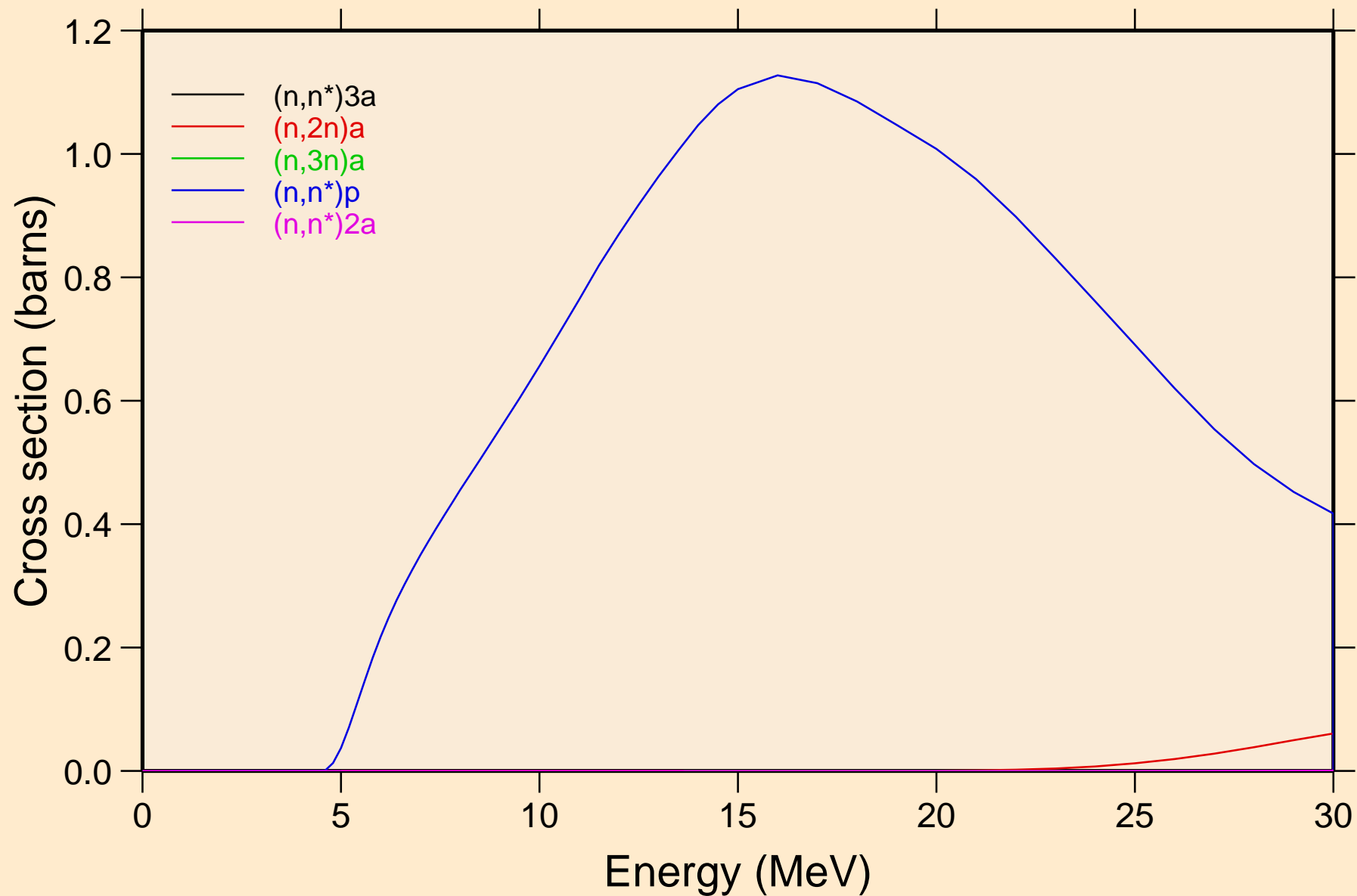
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



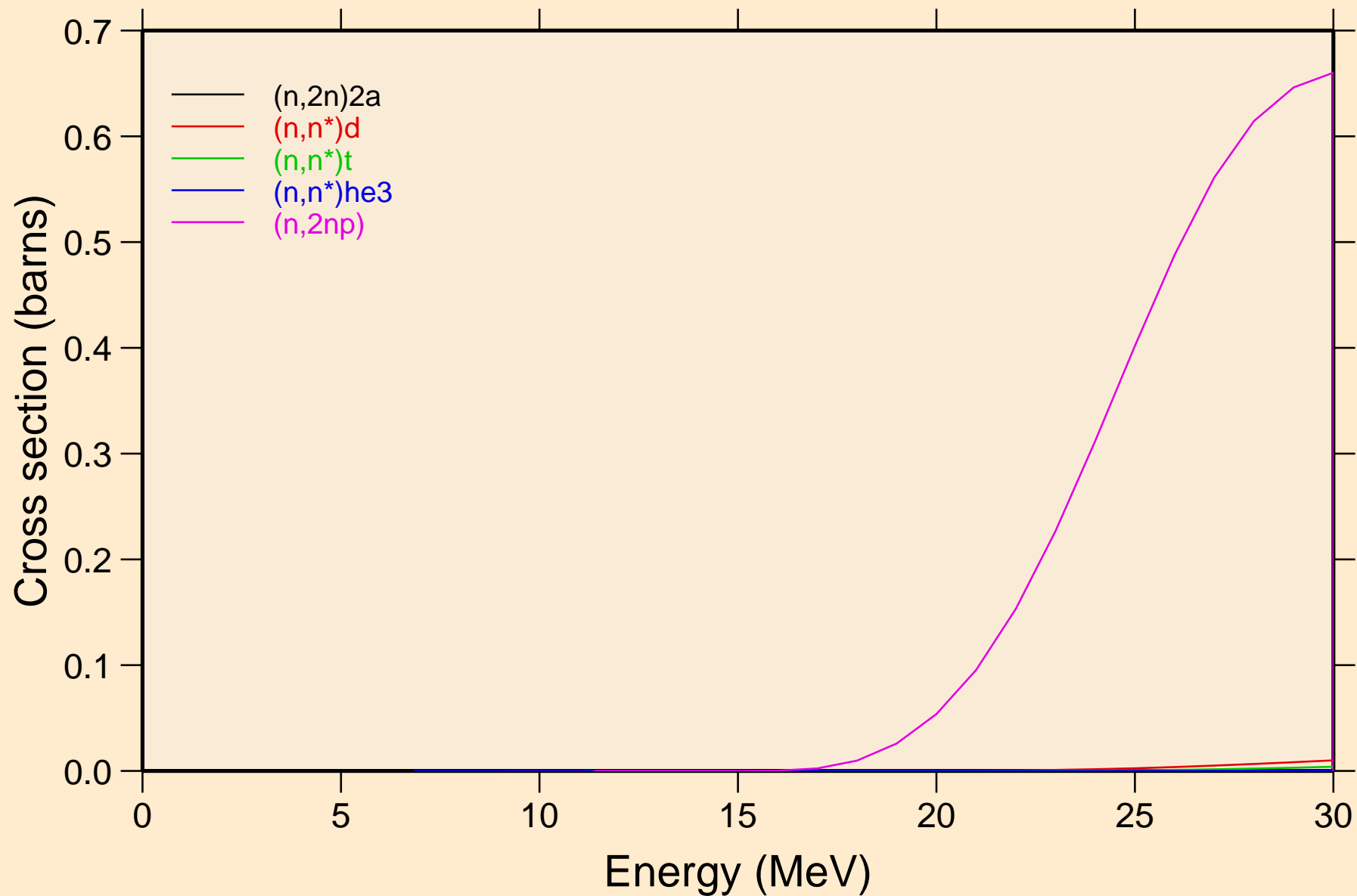
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

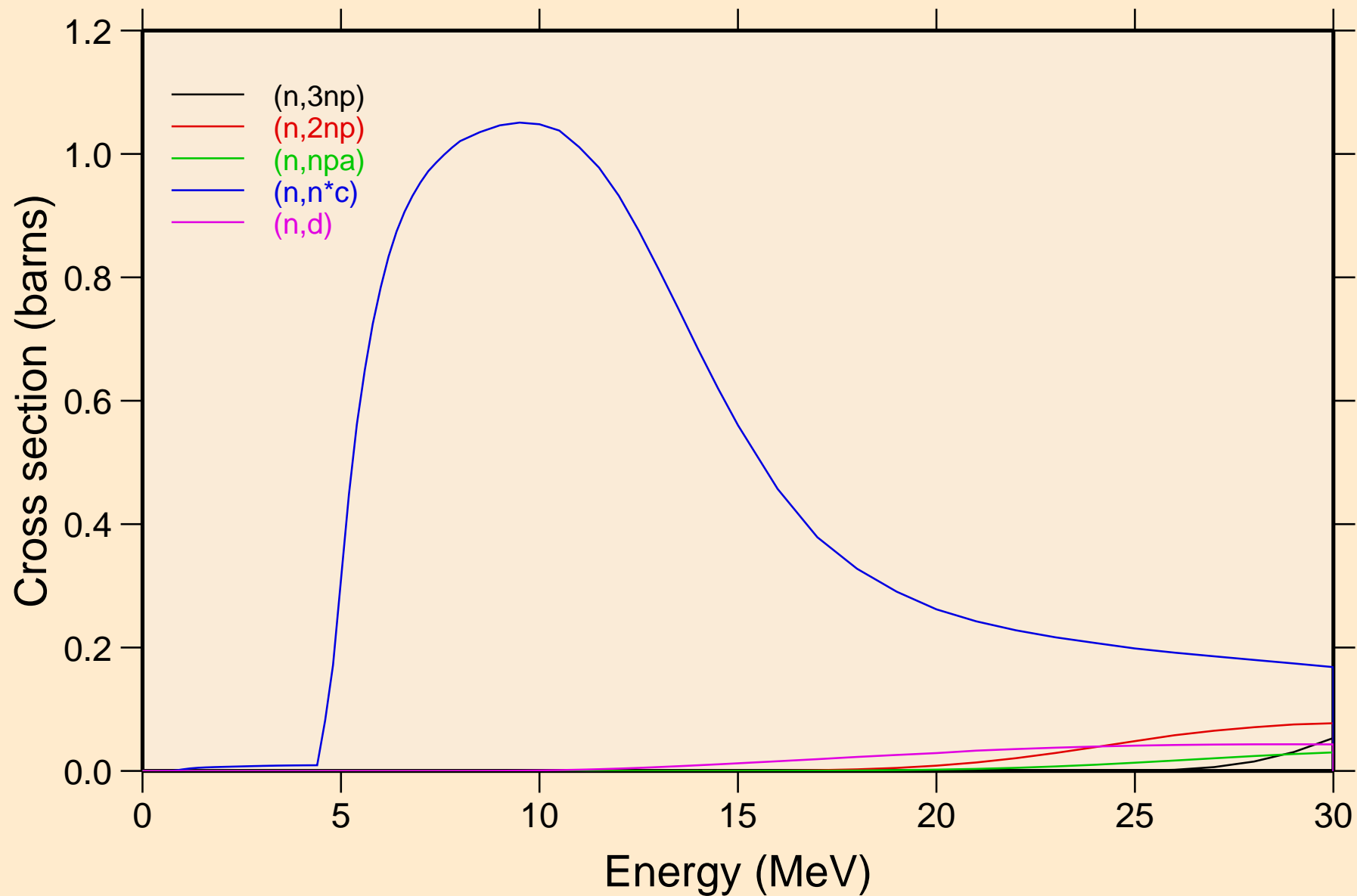


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

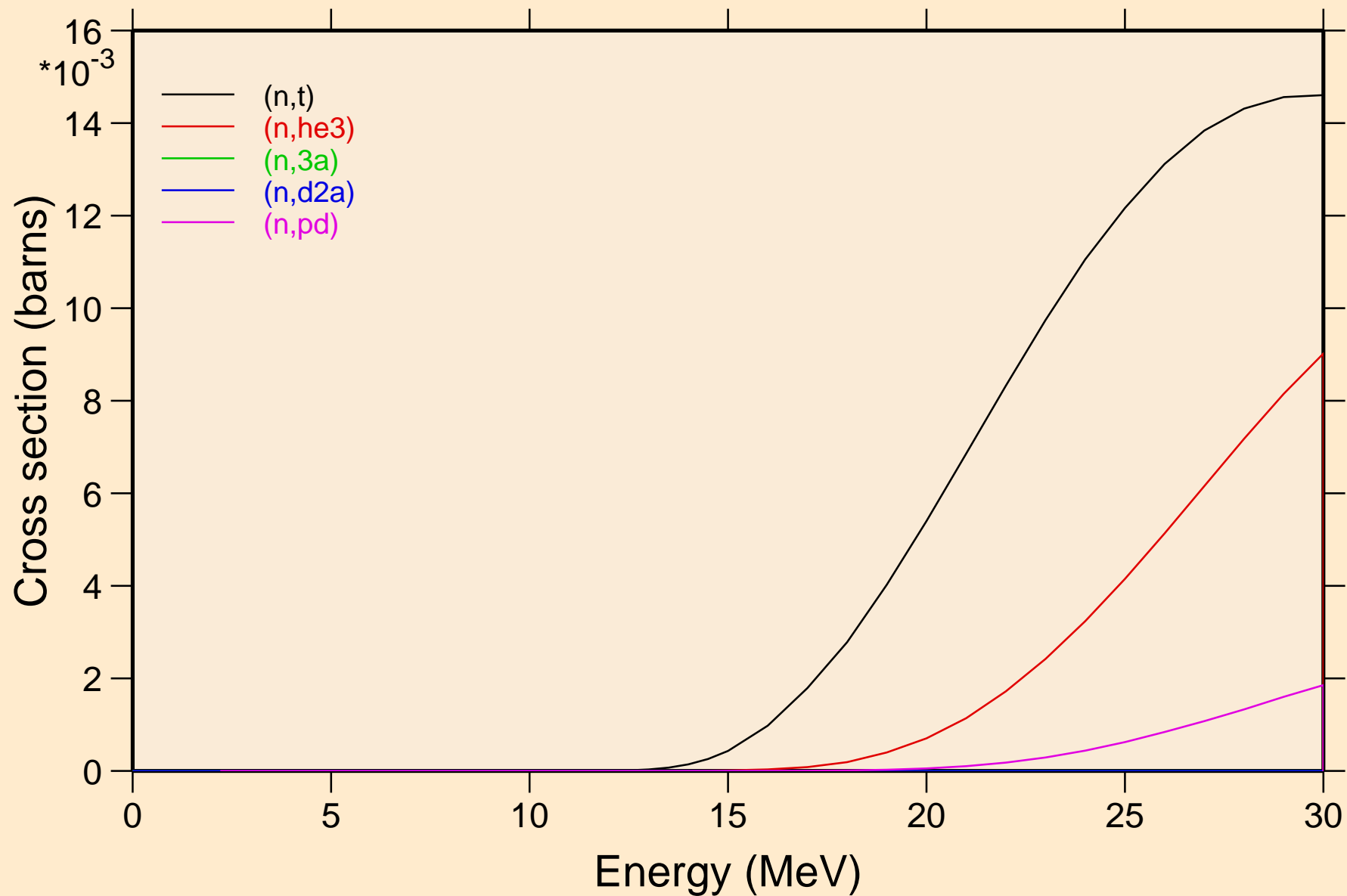




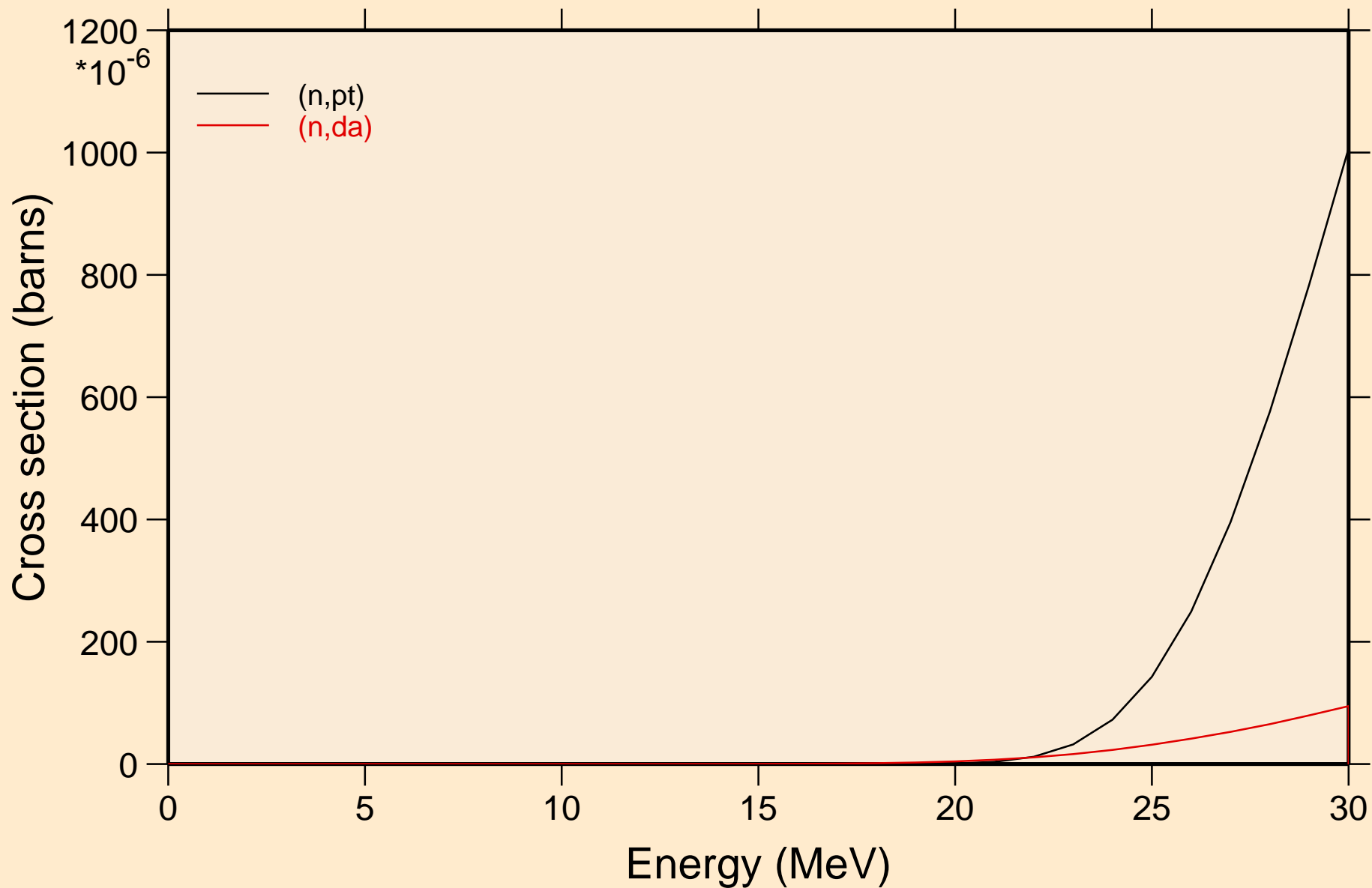
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



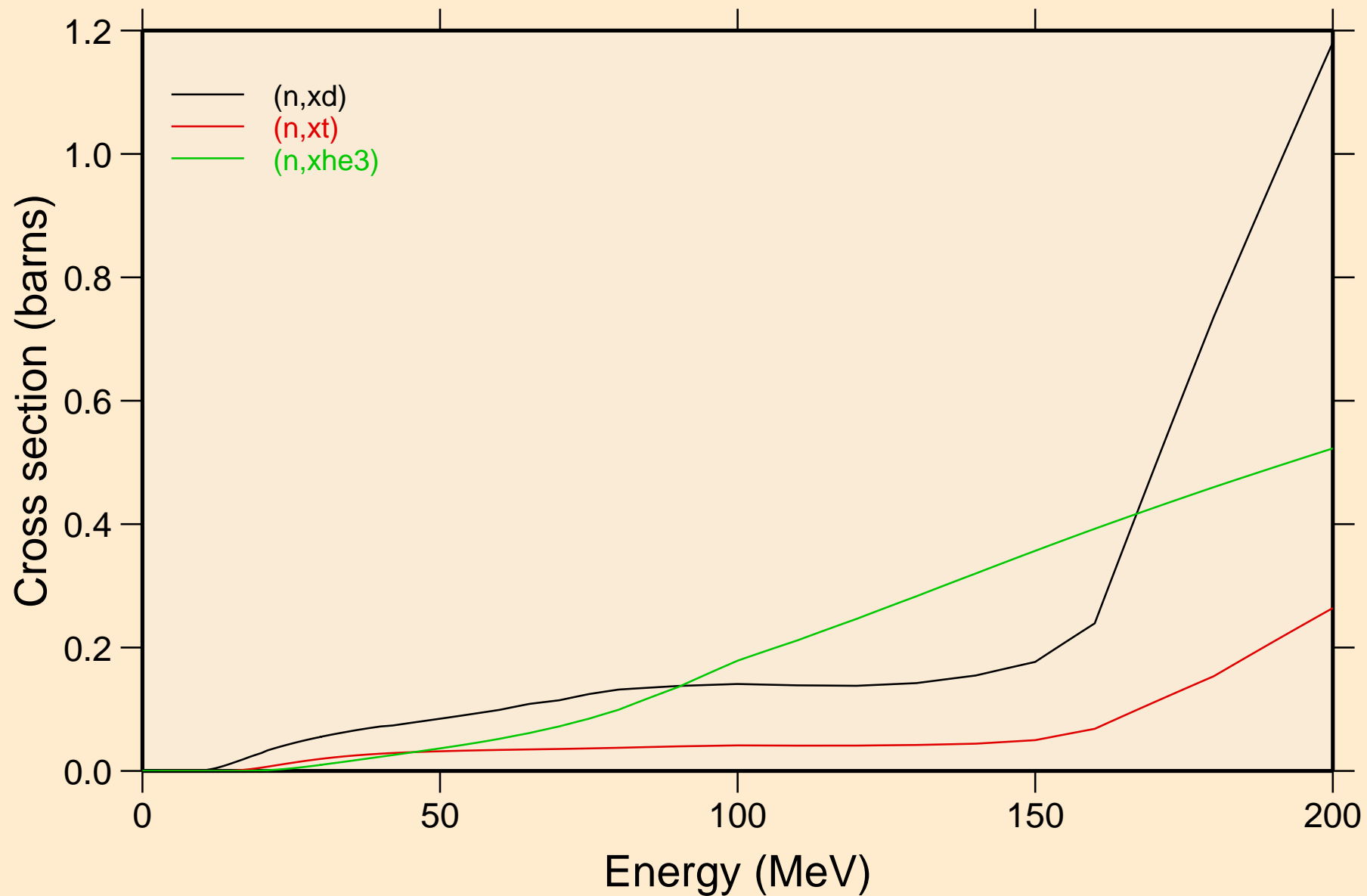
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



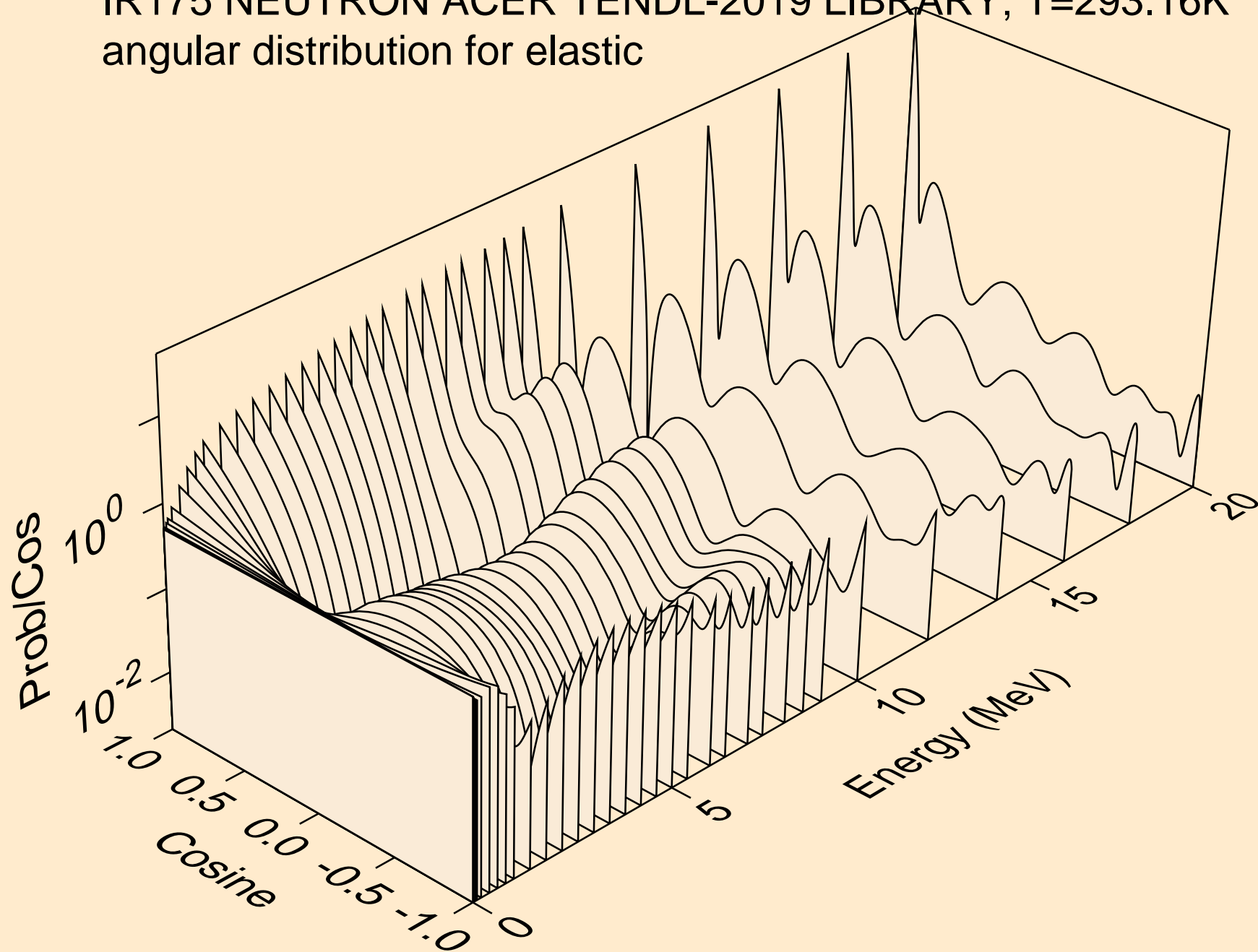
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



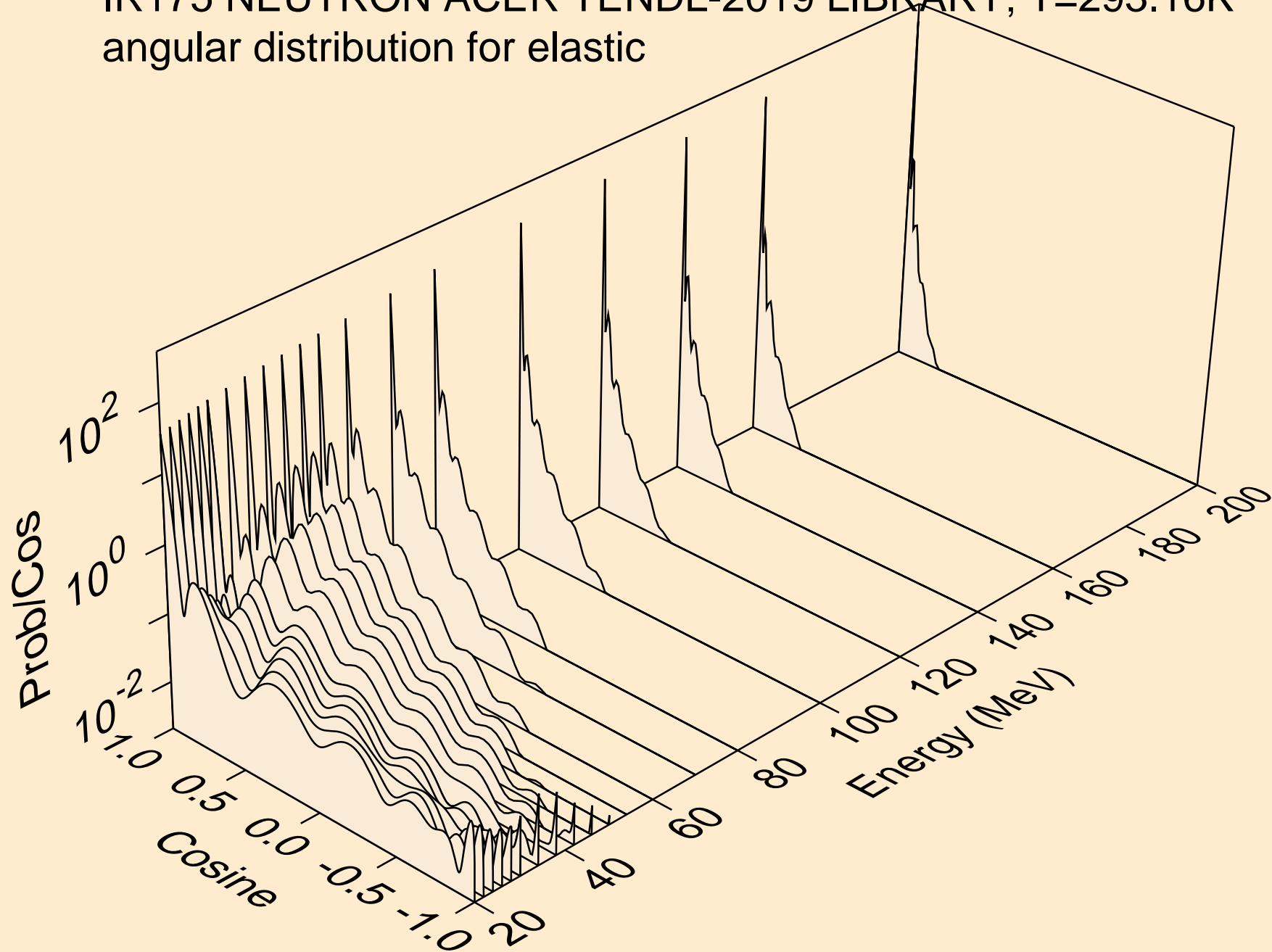
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



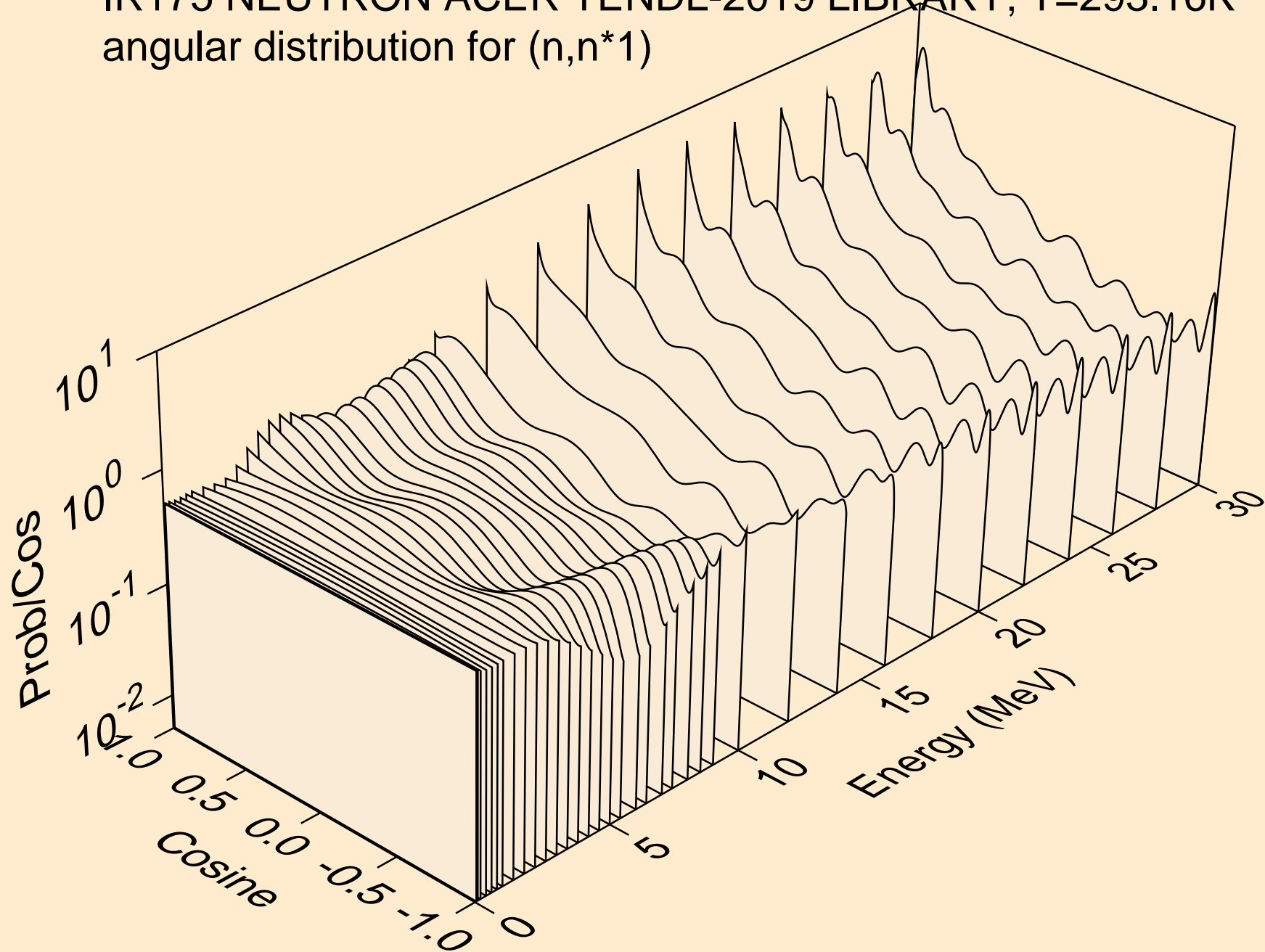
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



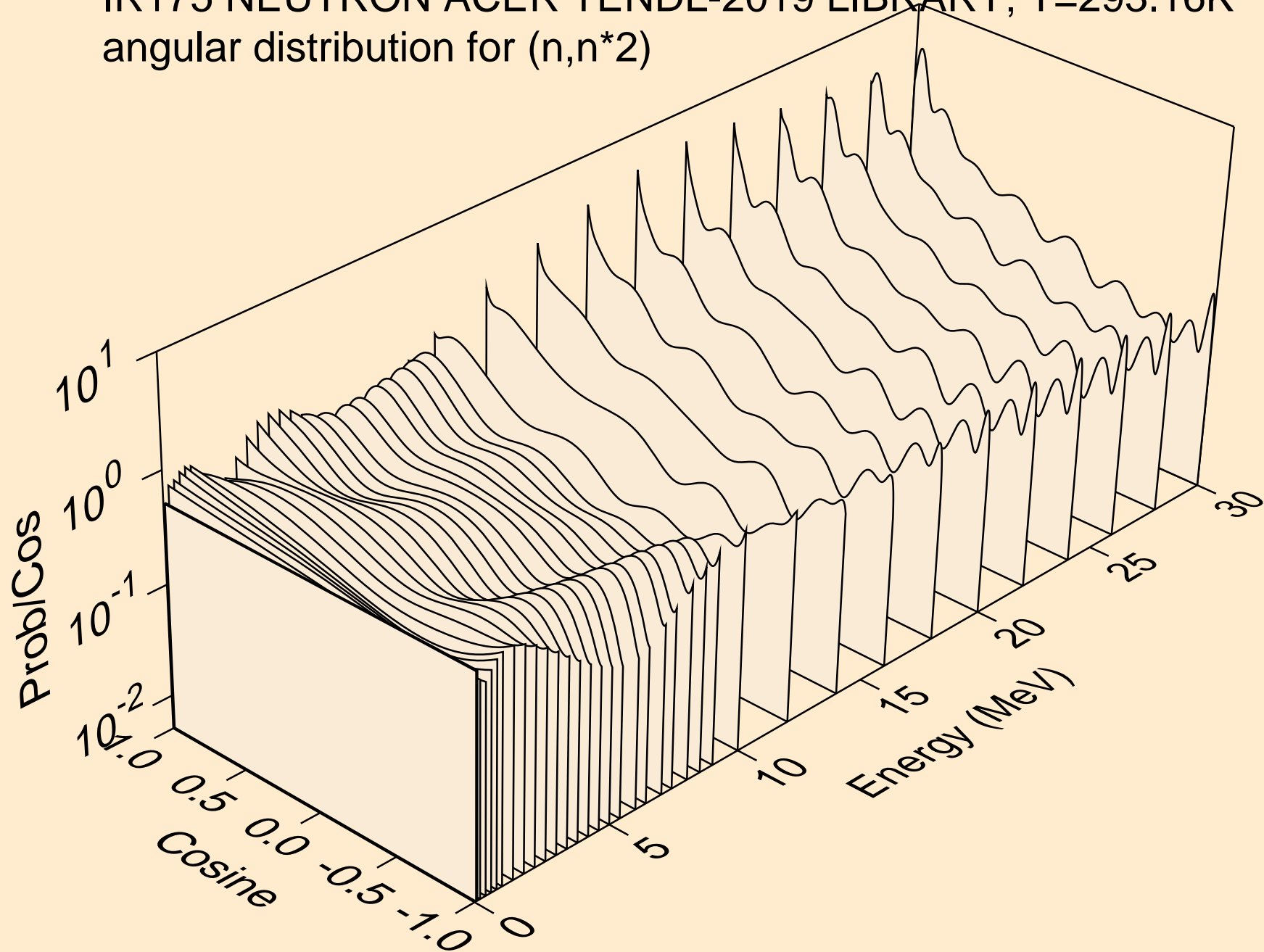
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

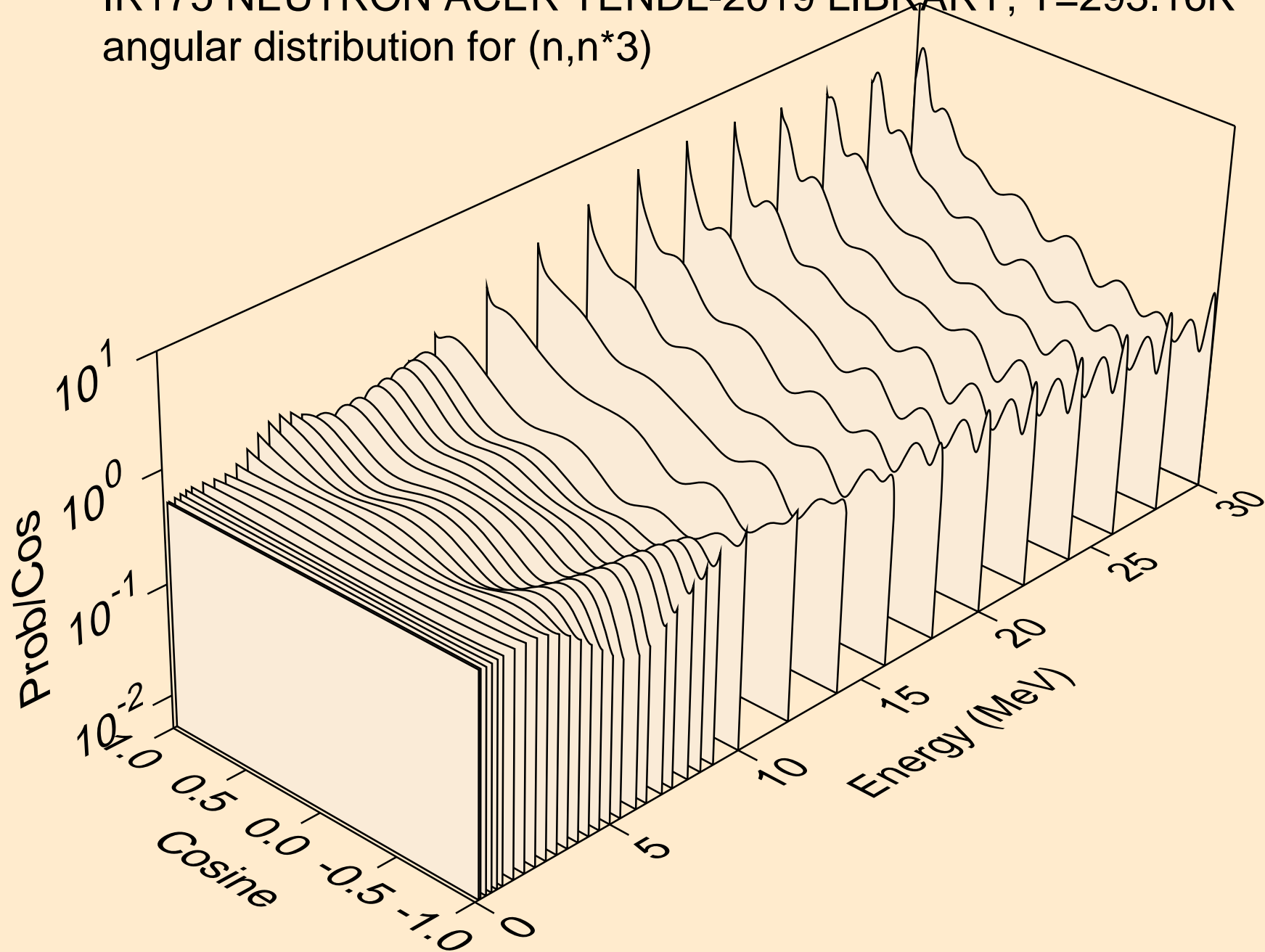


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

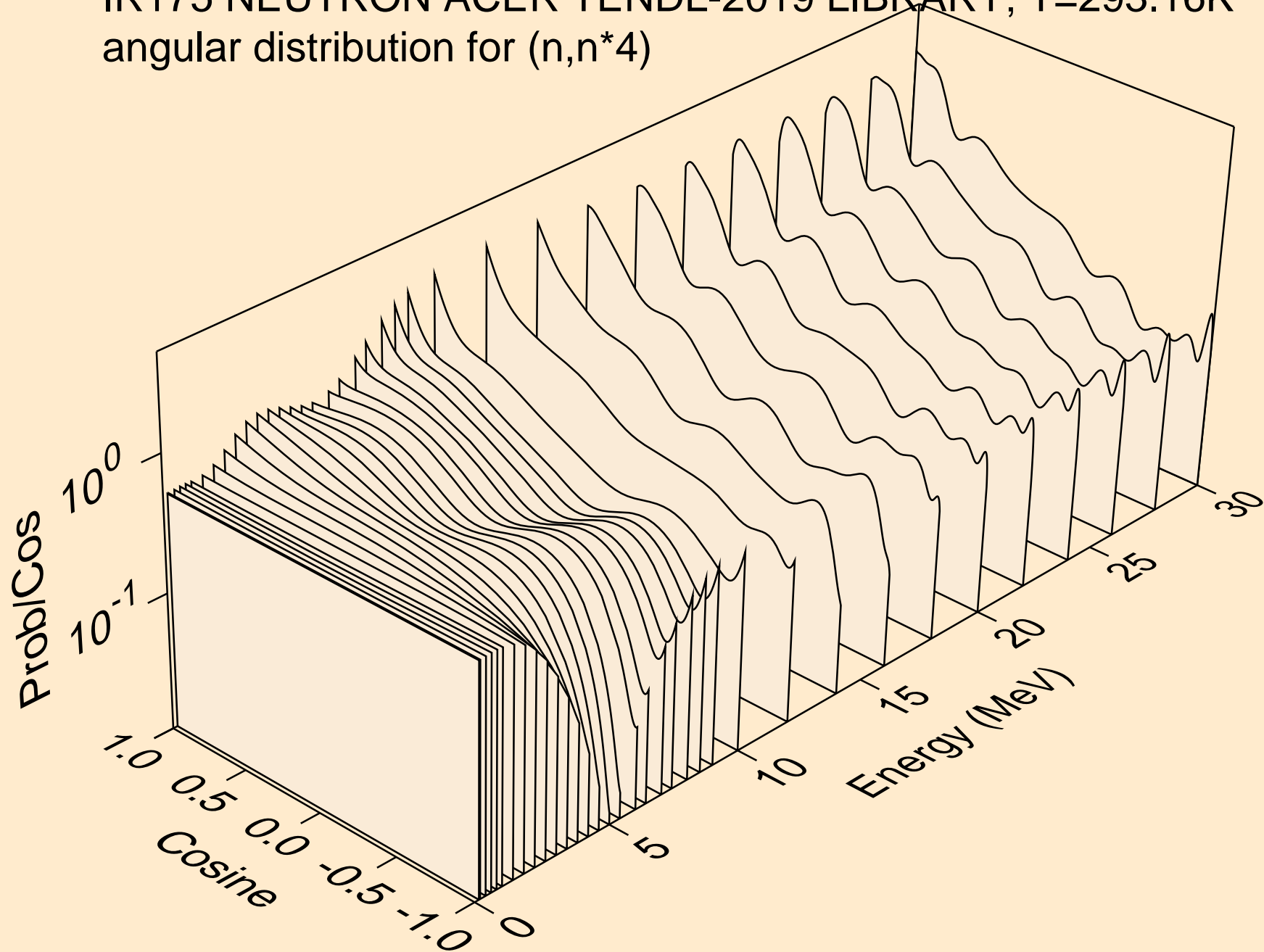




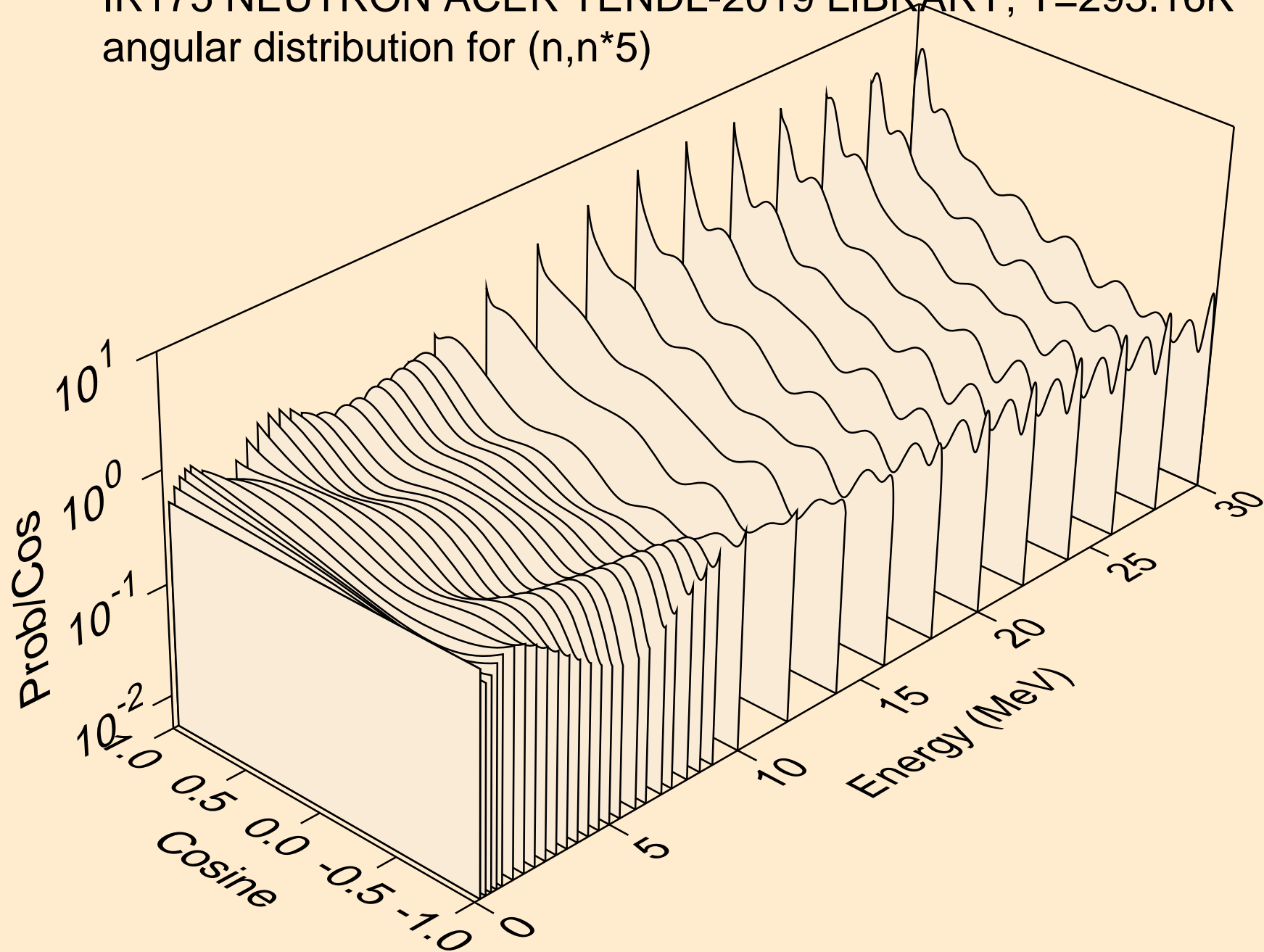
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angular distribution for (n,n\*3)



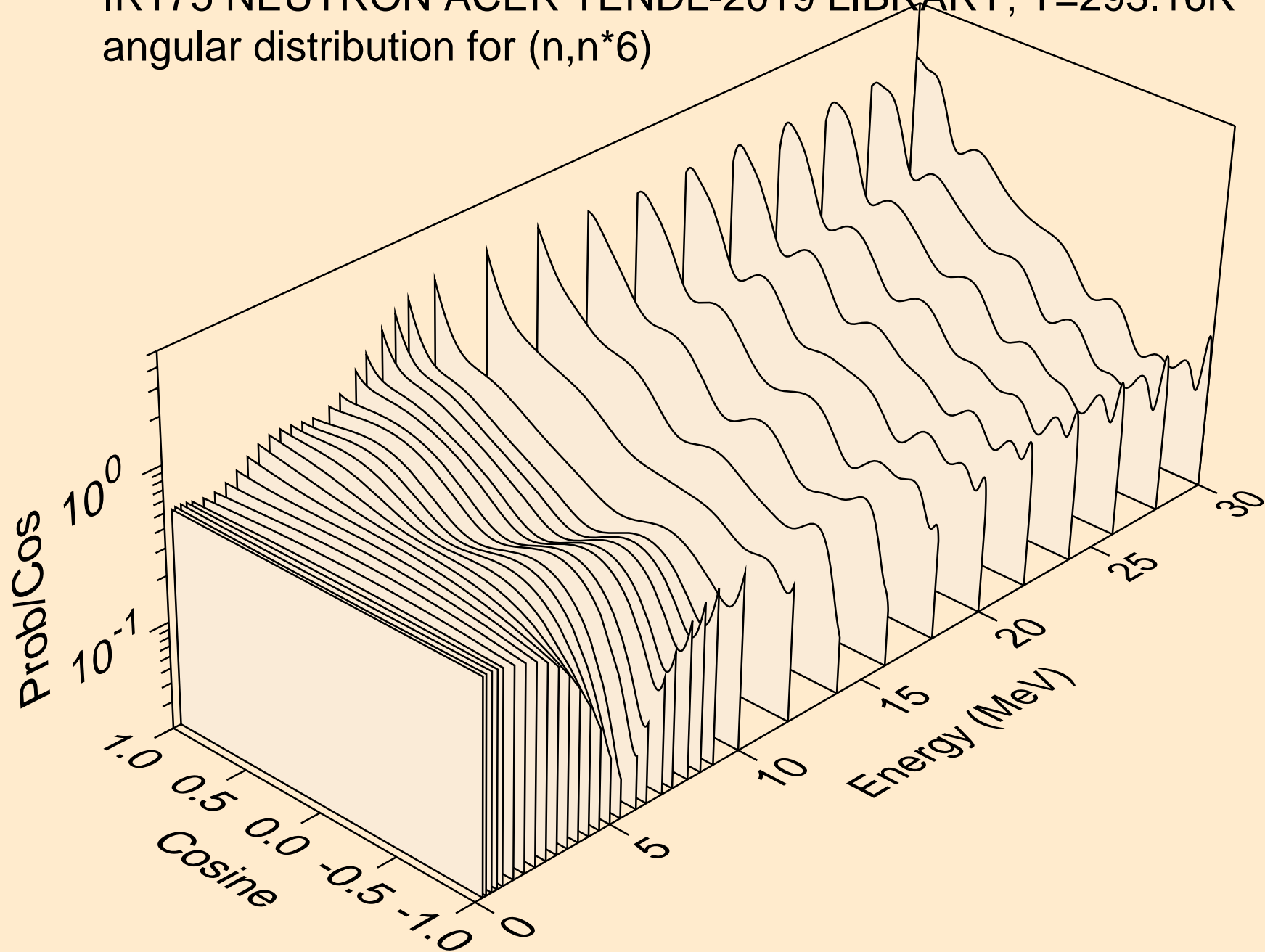
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



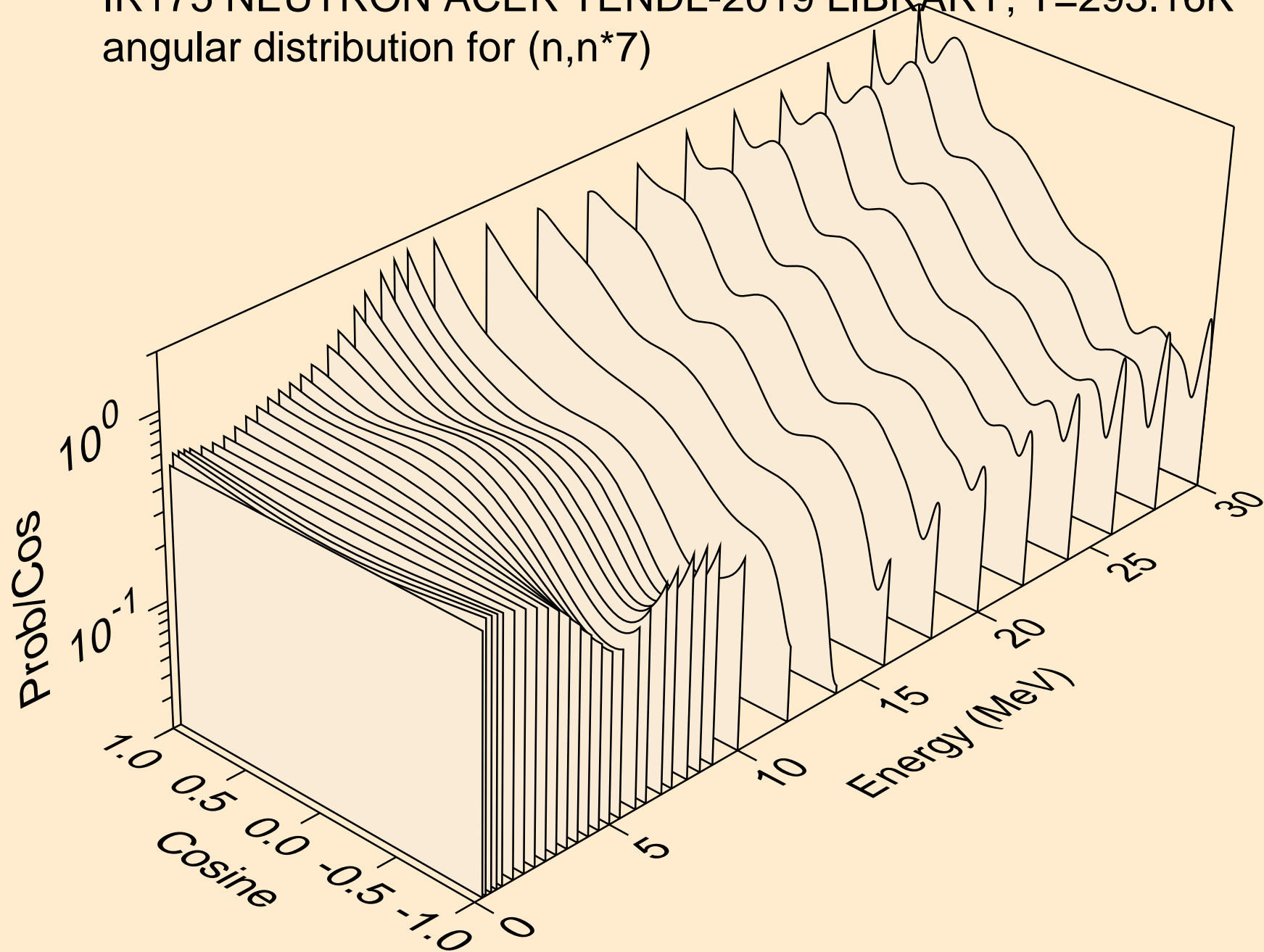
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



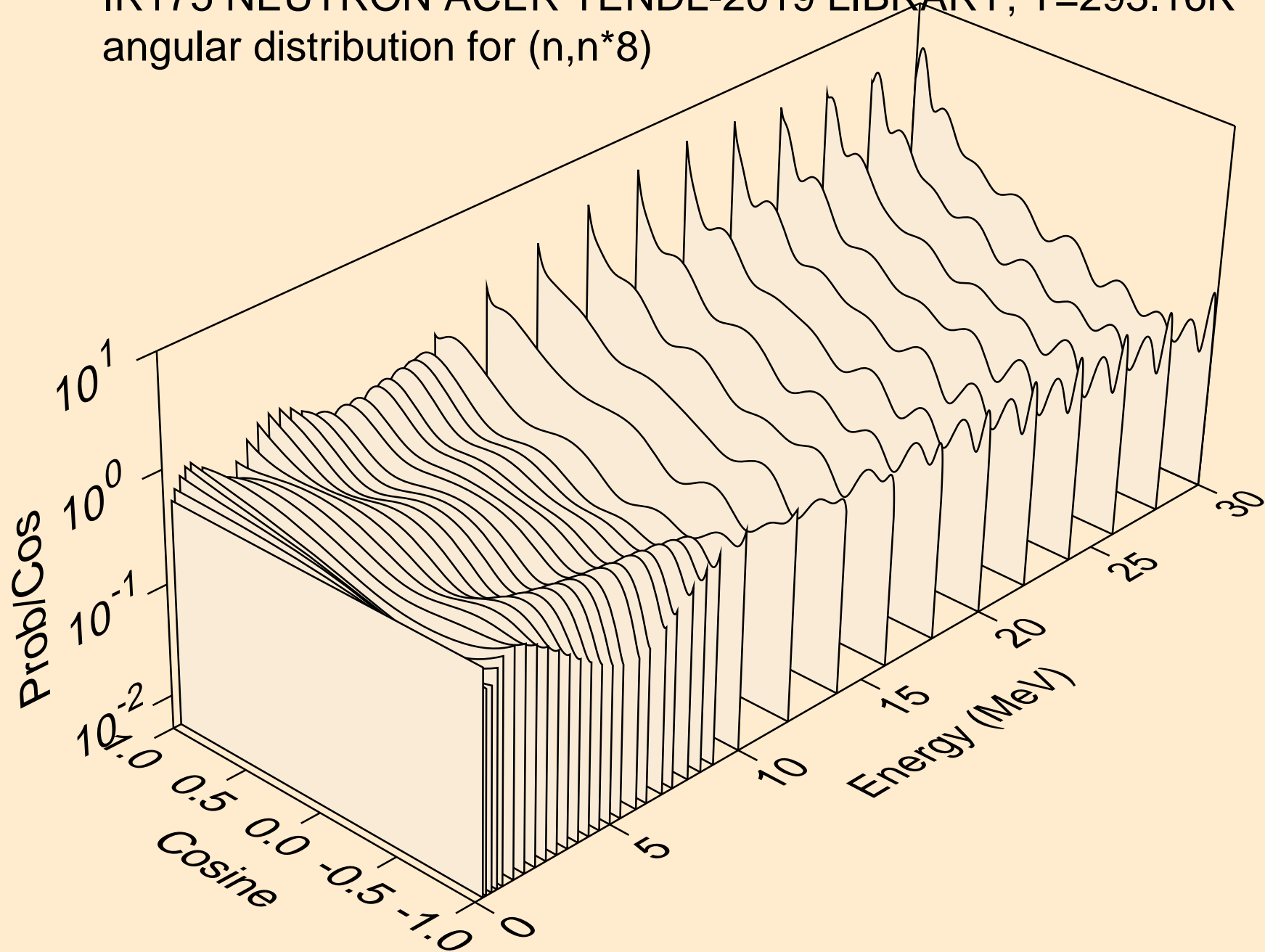
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



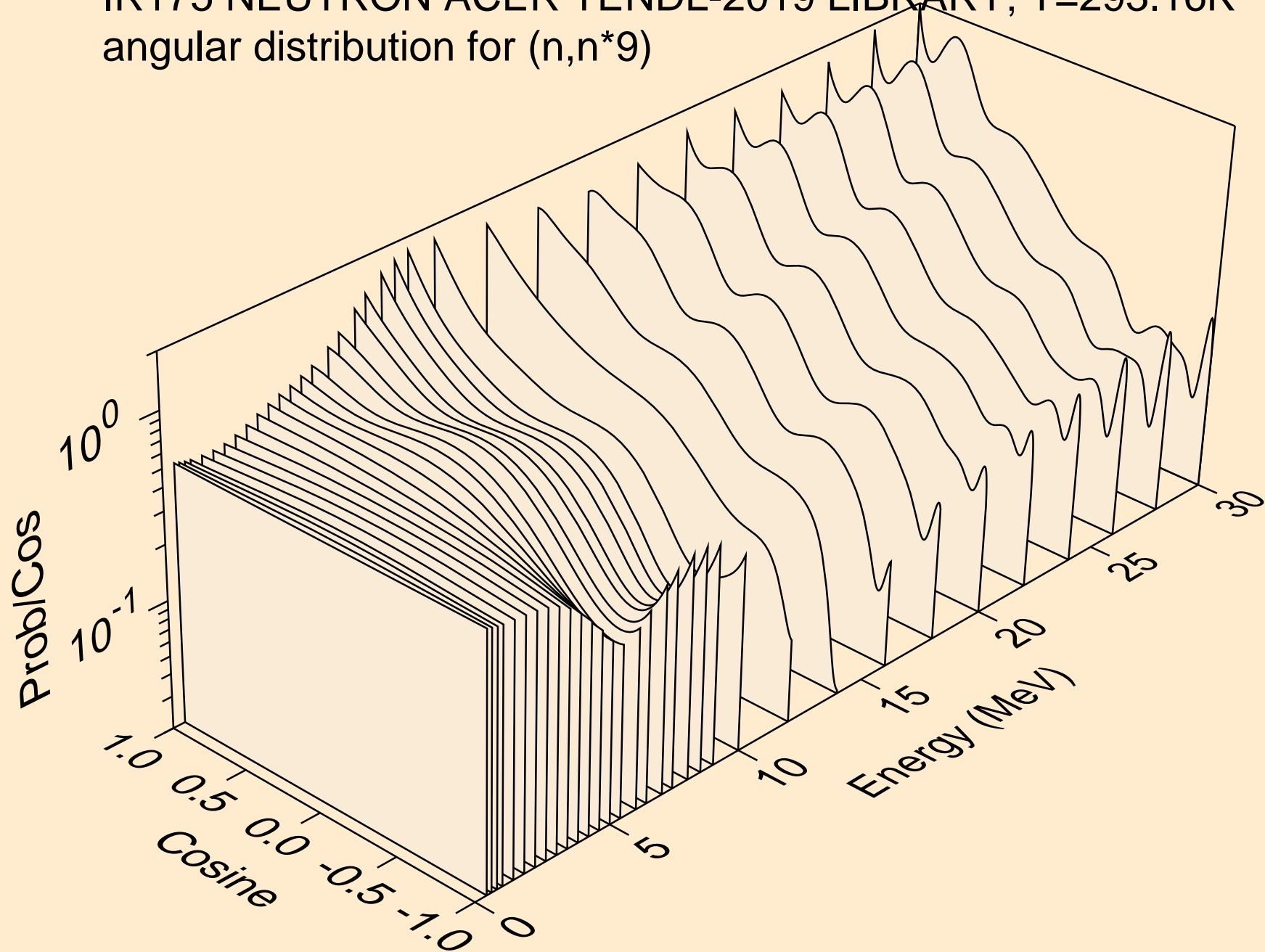
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



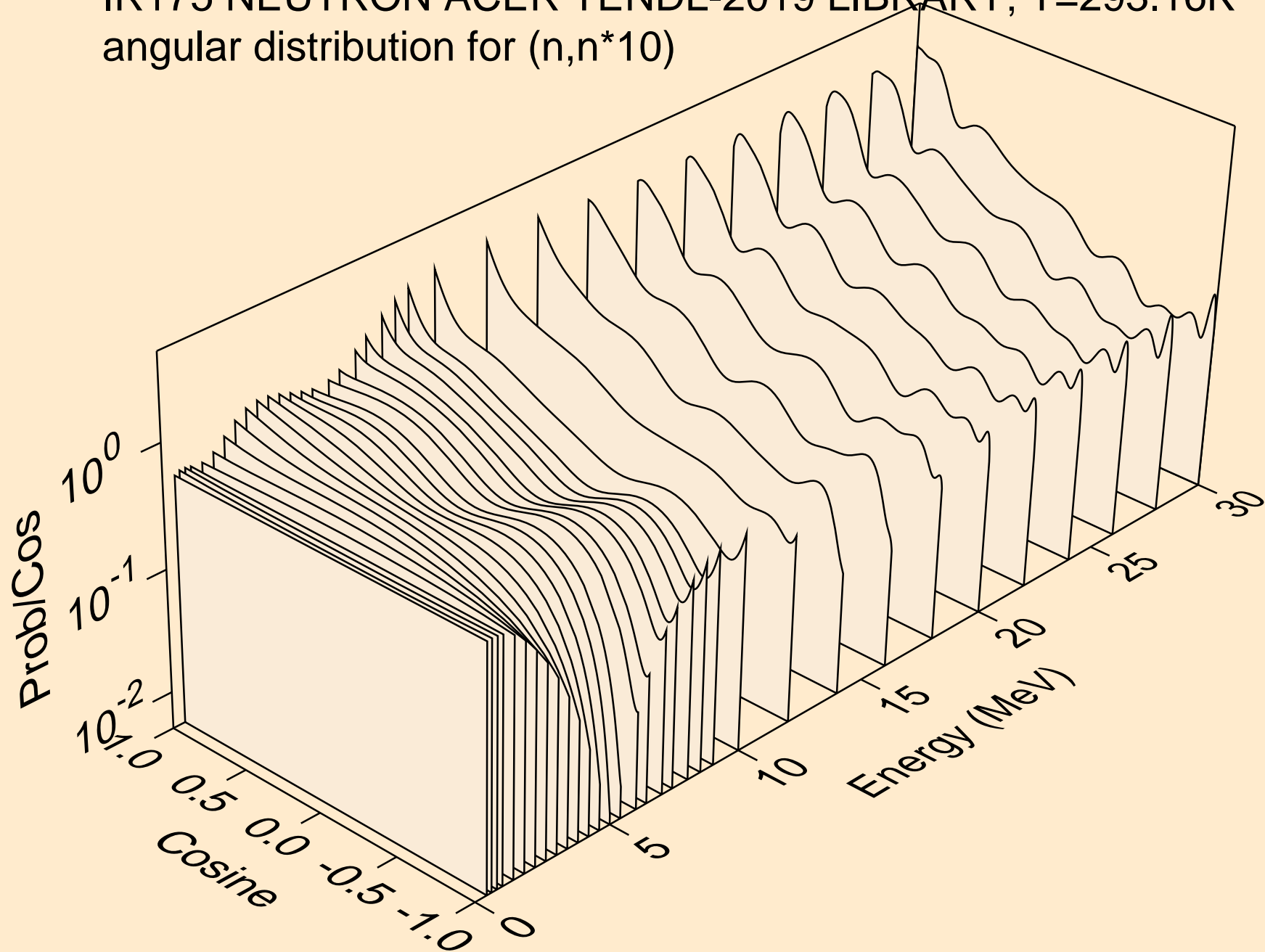
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

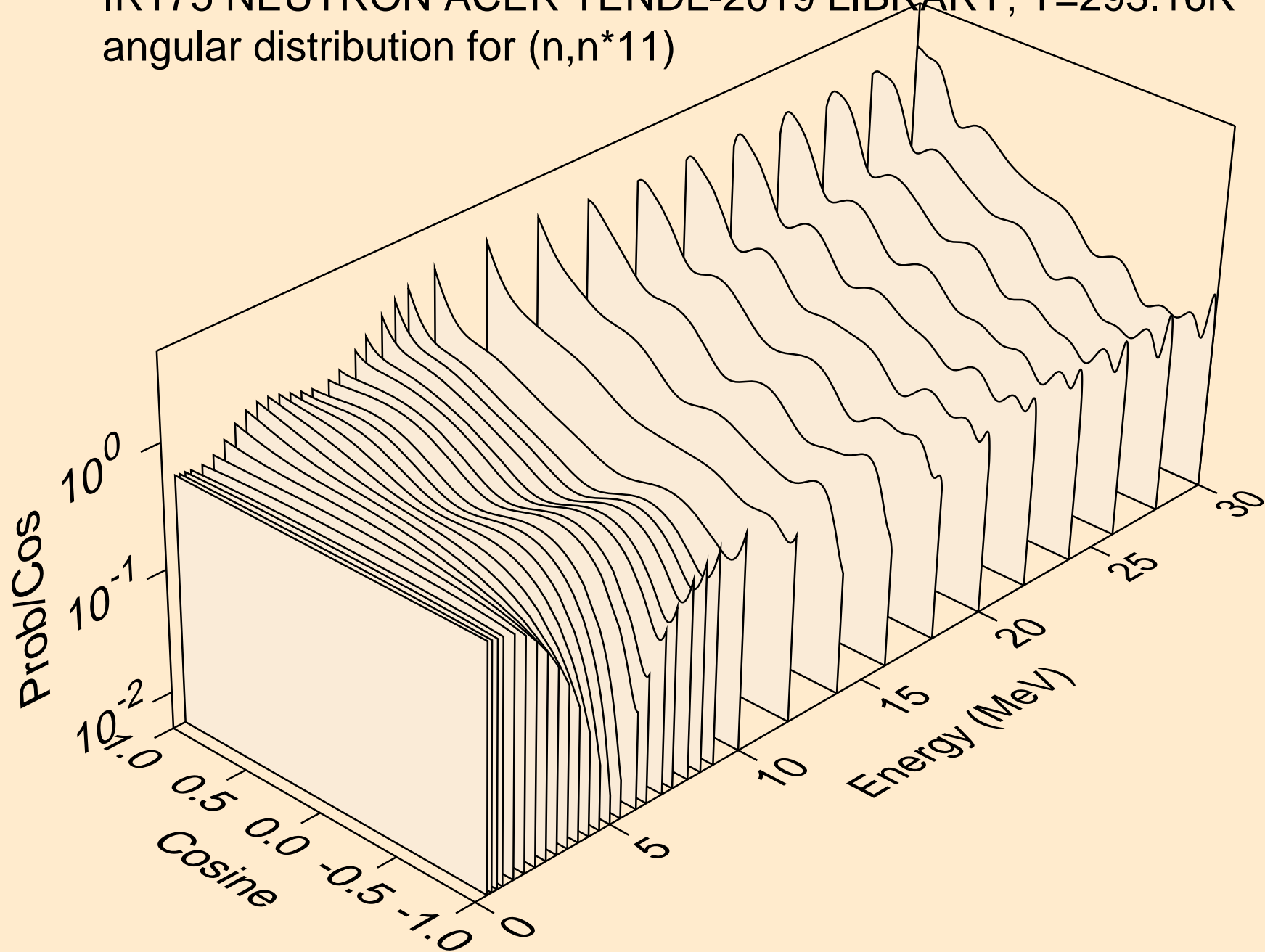


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

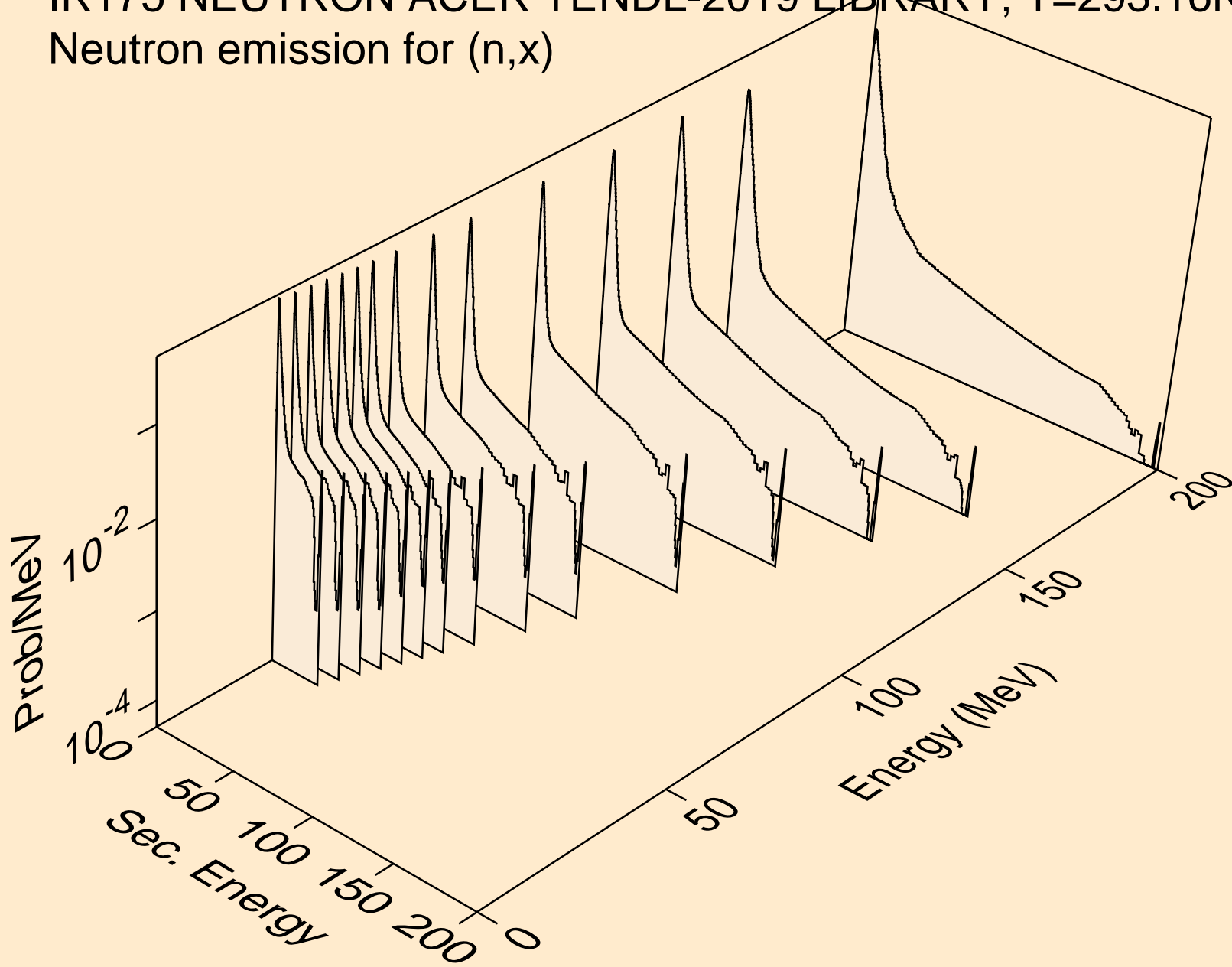




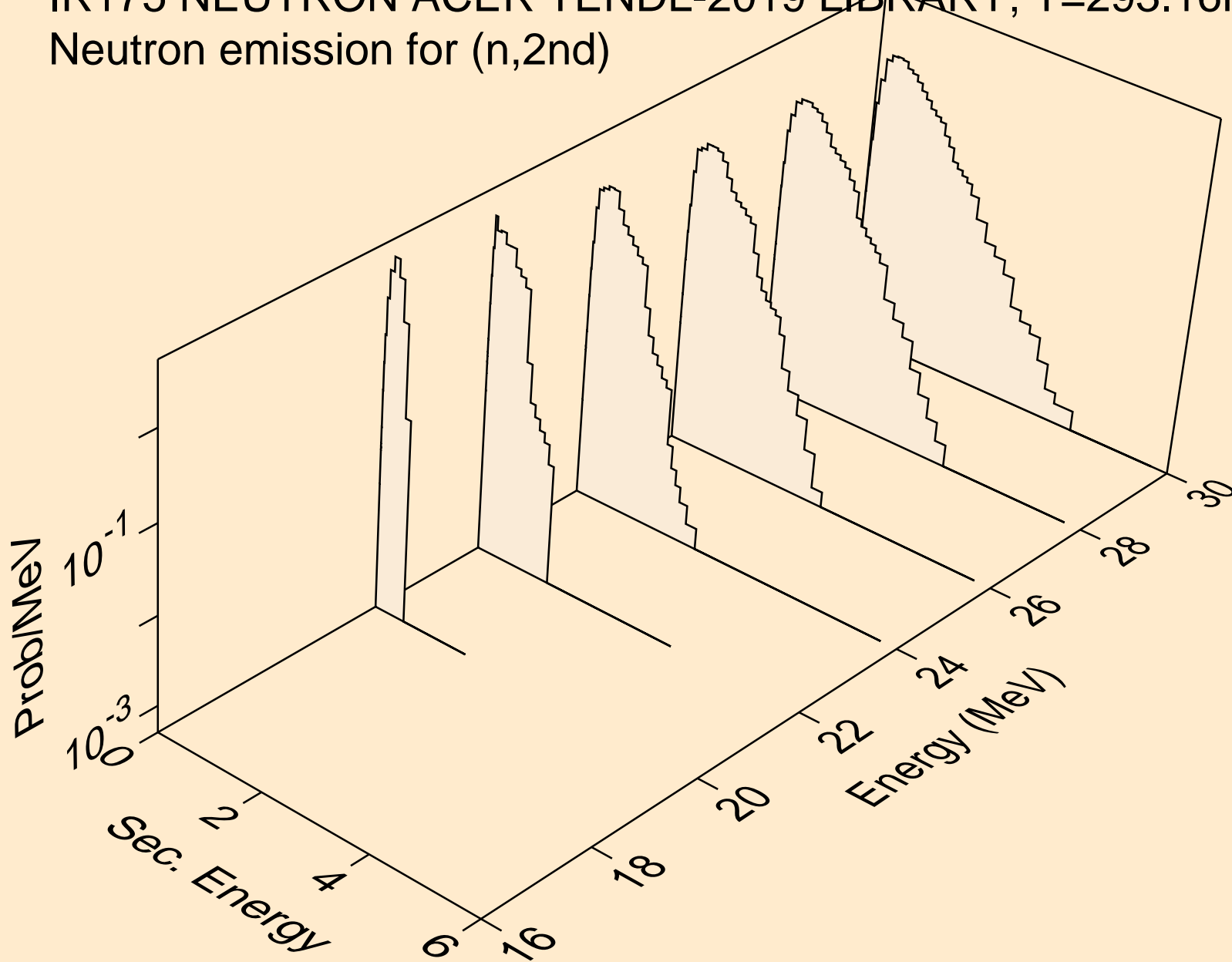
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angular distribution for (n,n\*11)



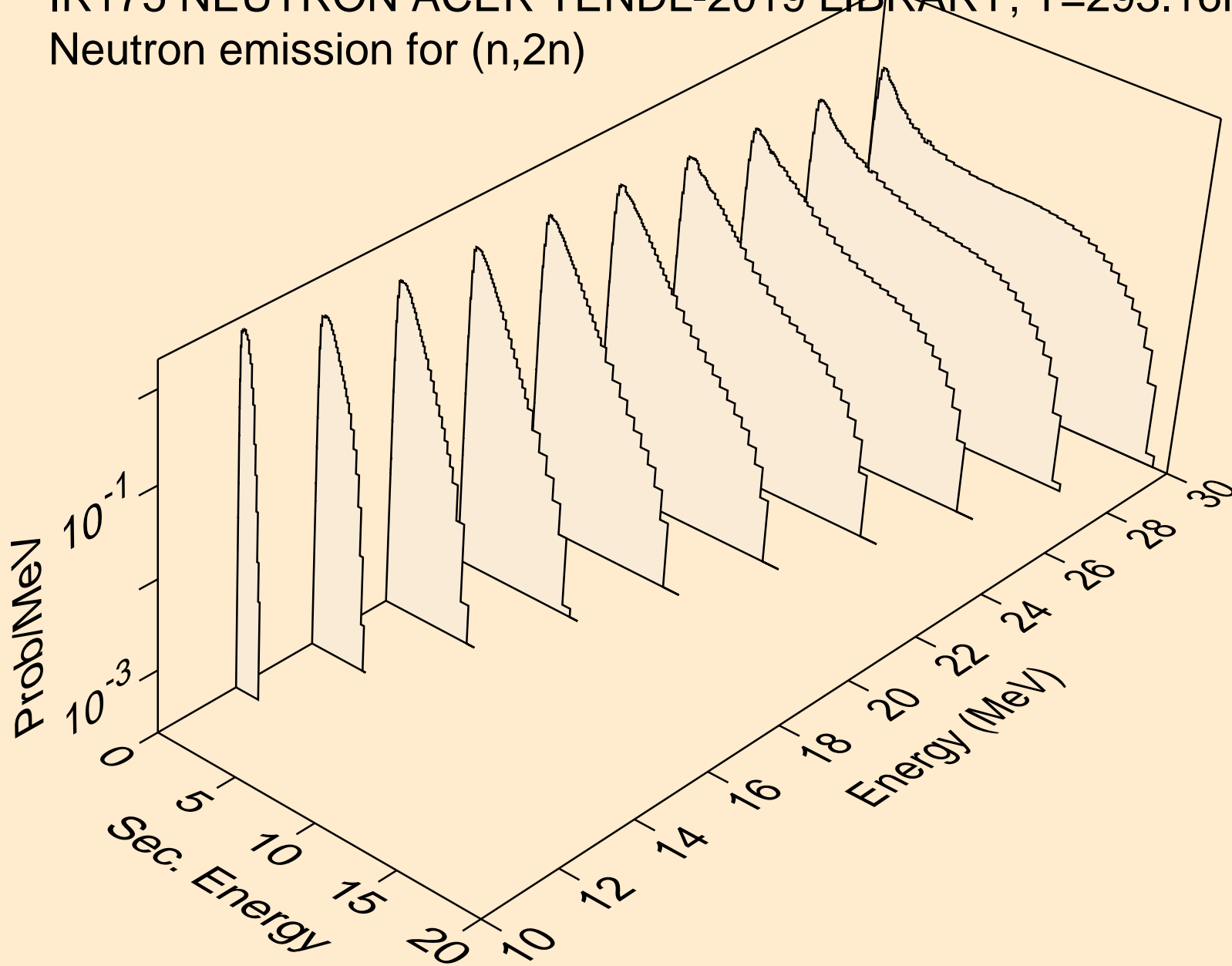
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



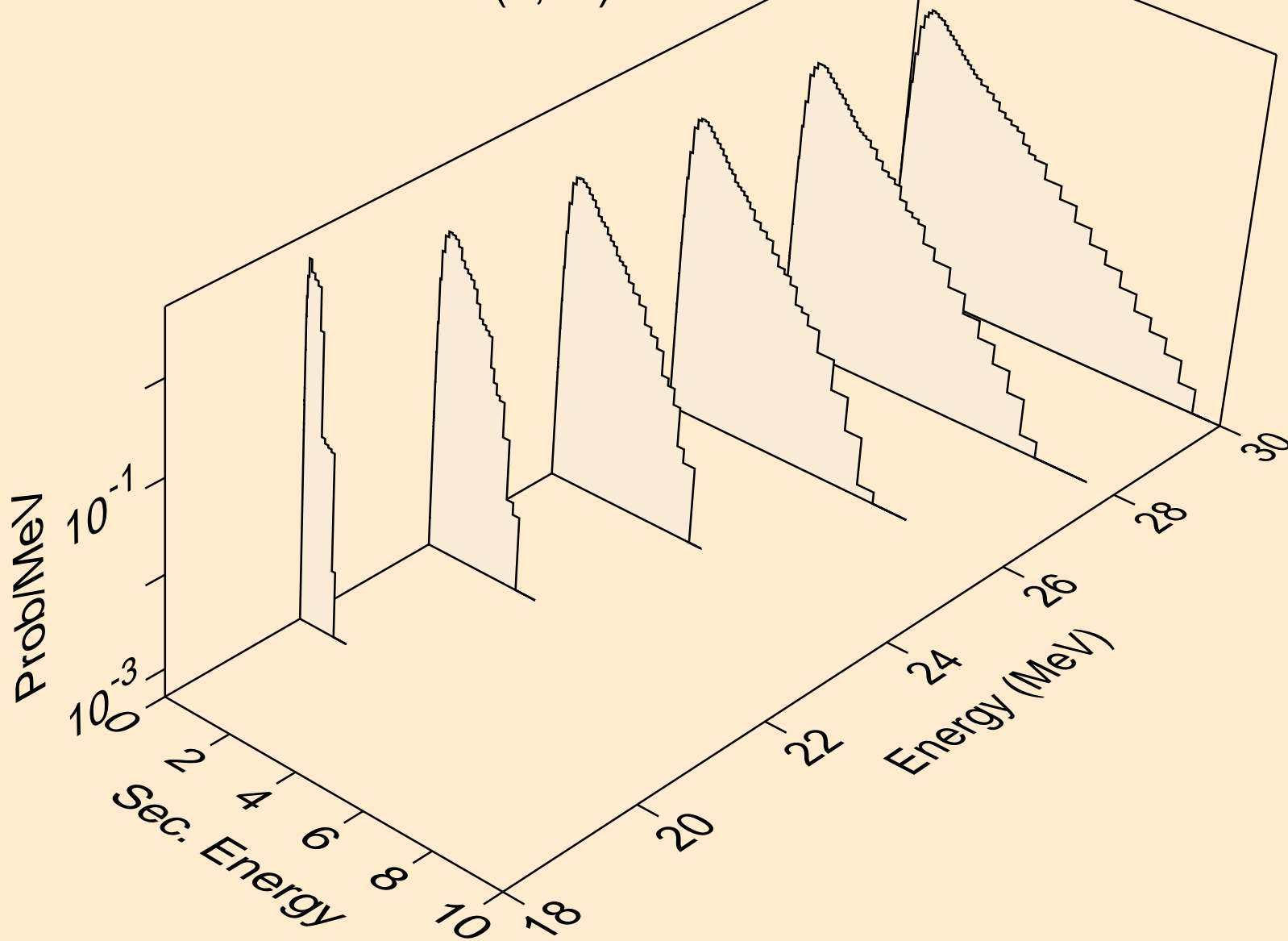
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



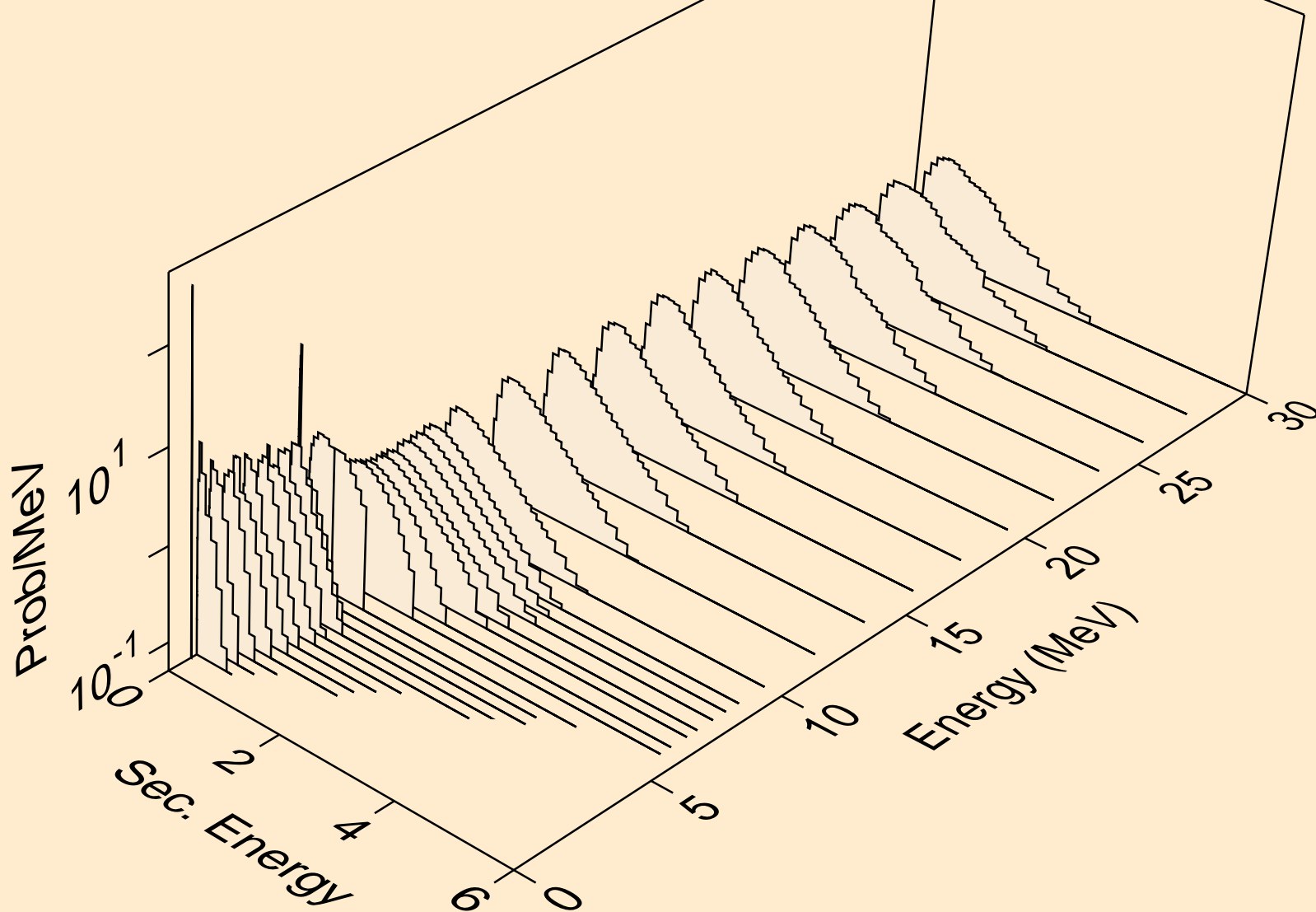
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



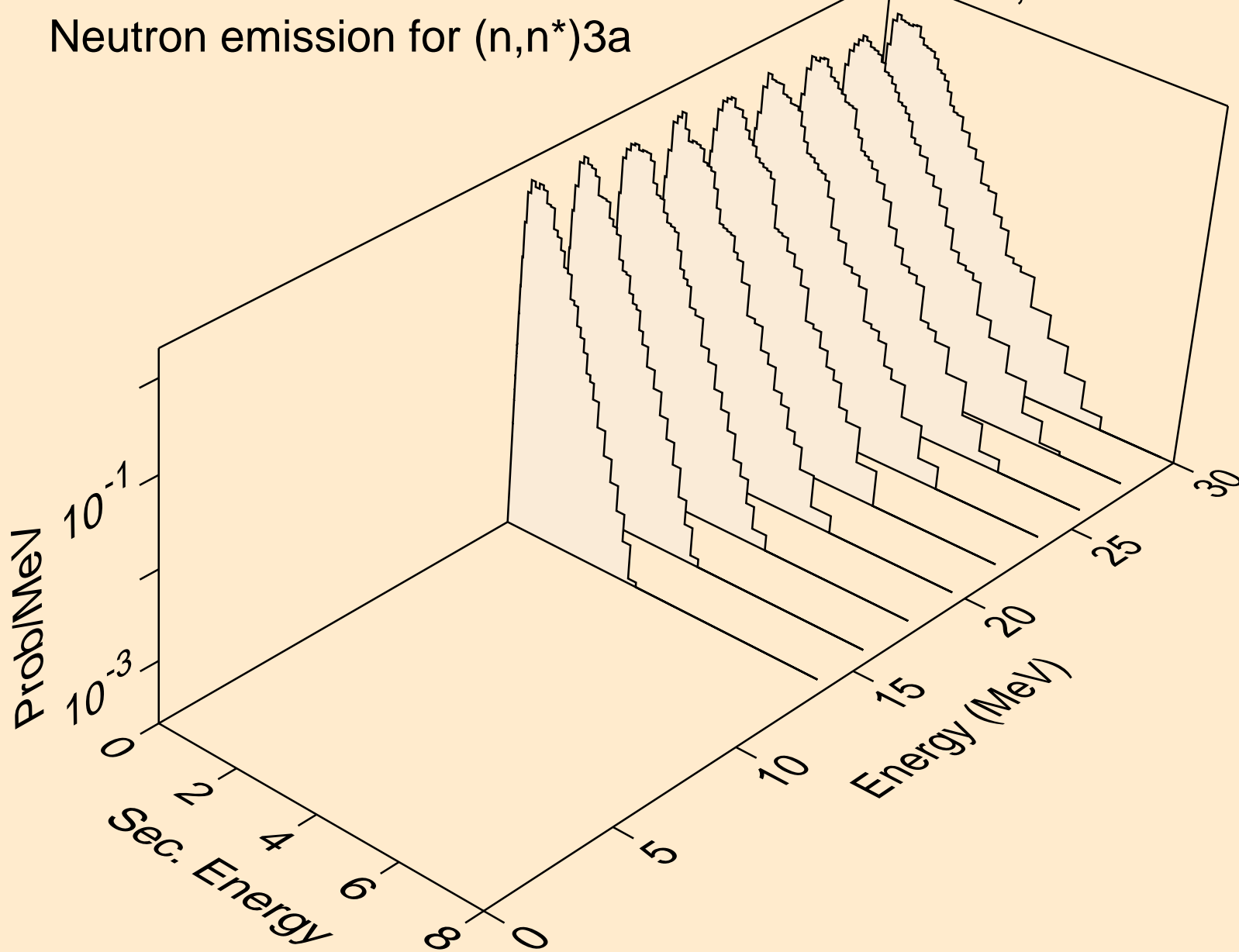
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



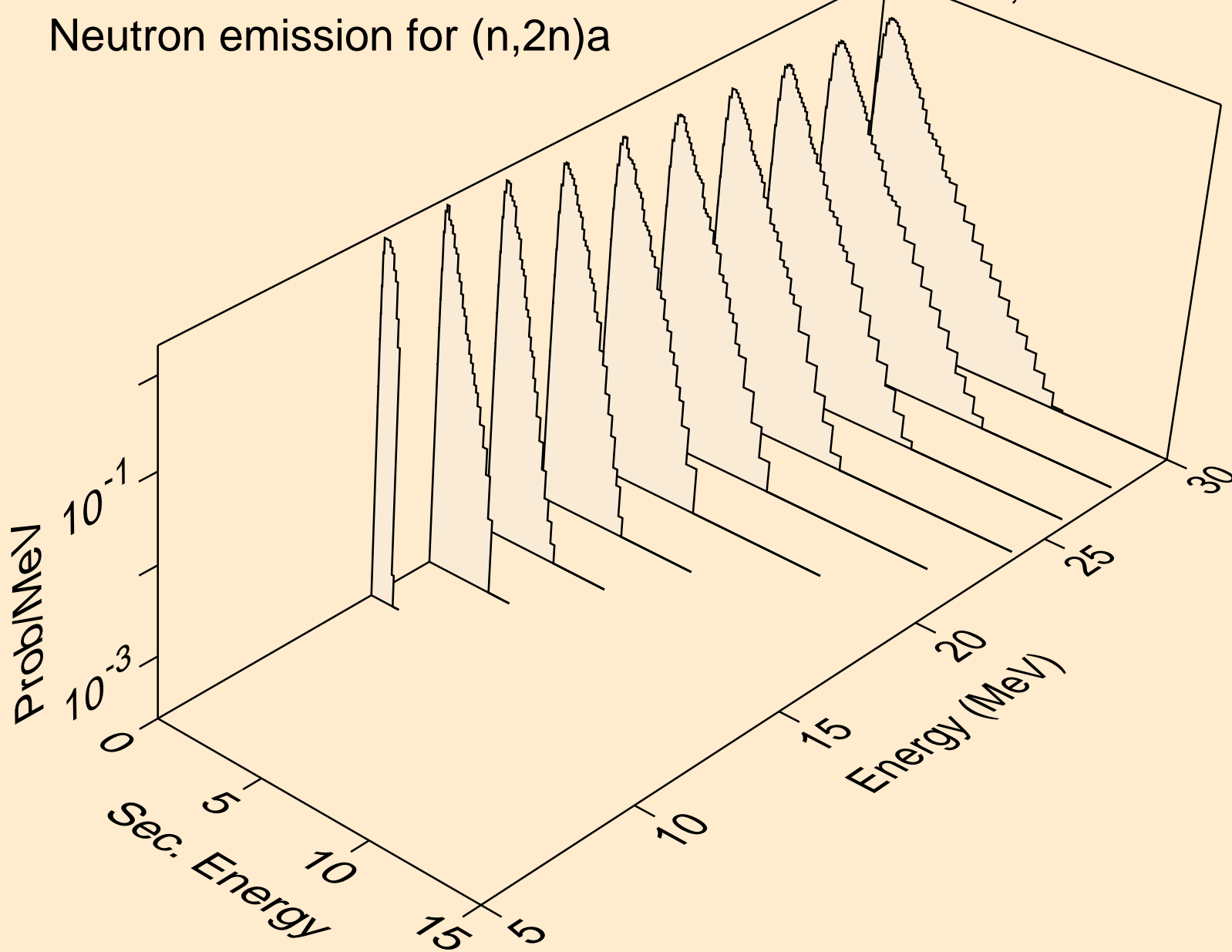
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)3a

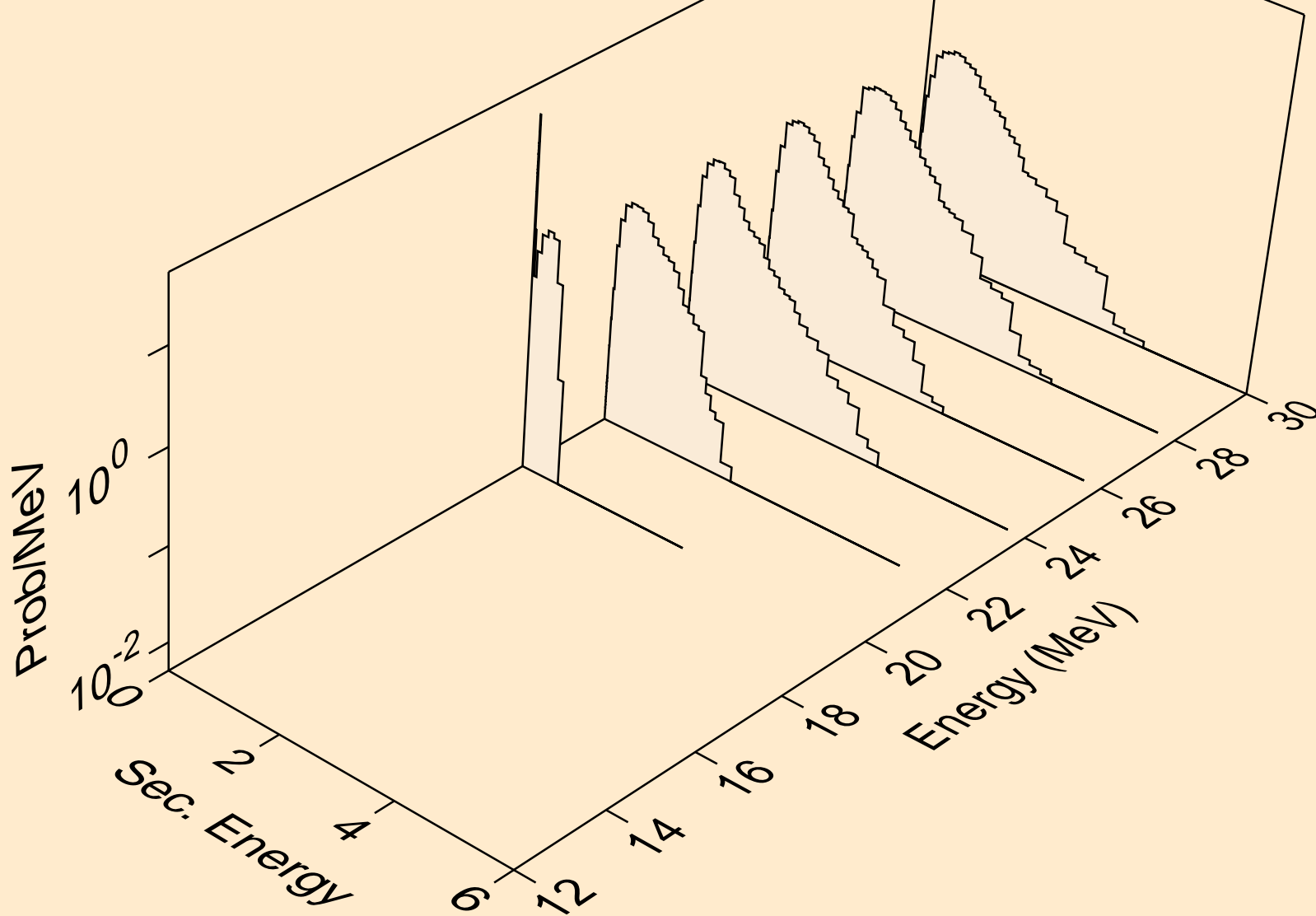


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

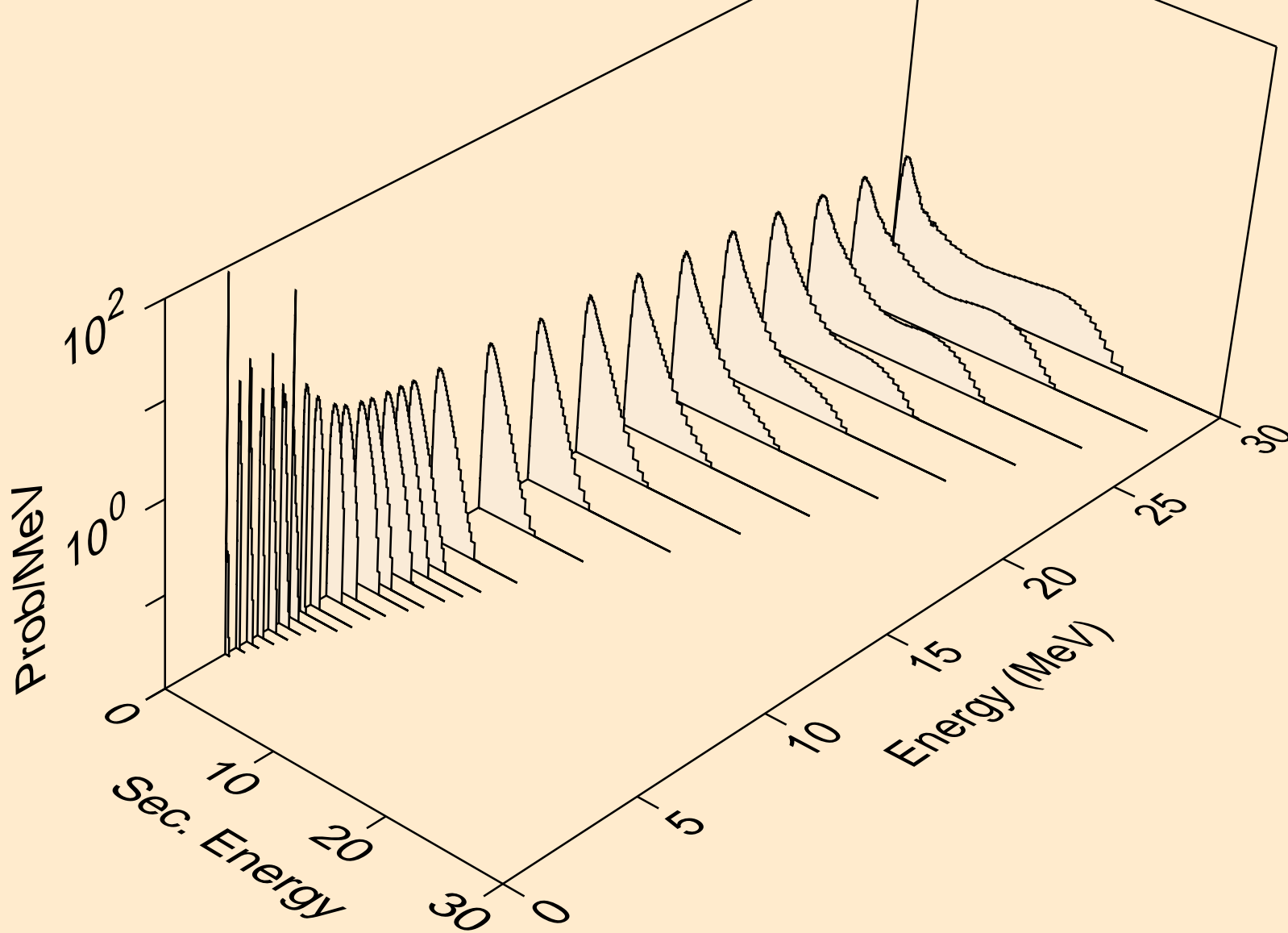




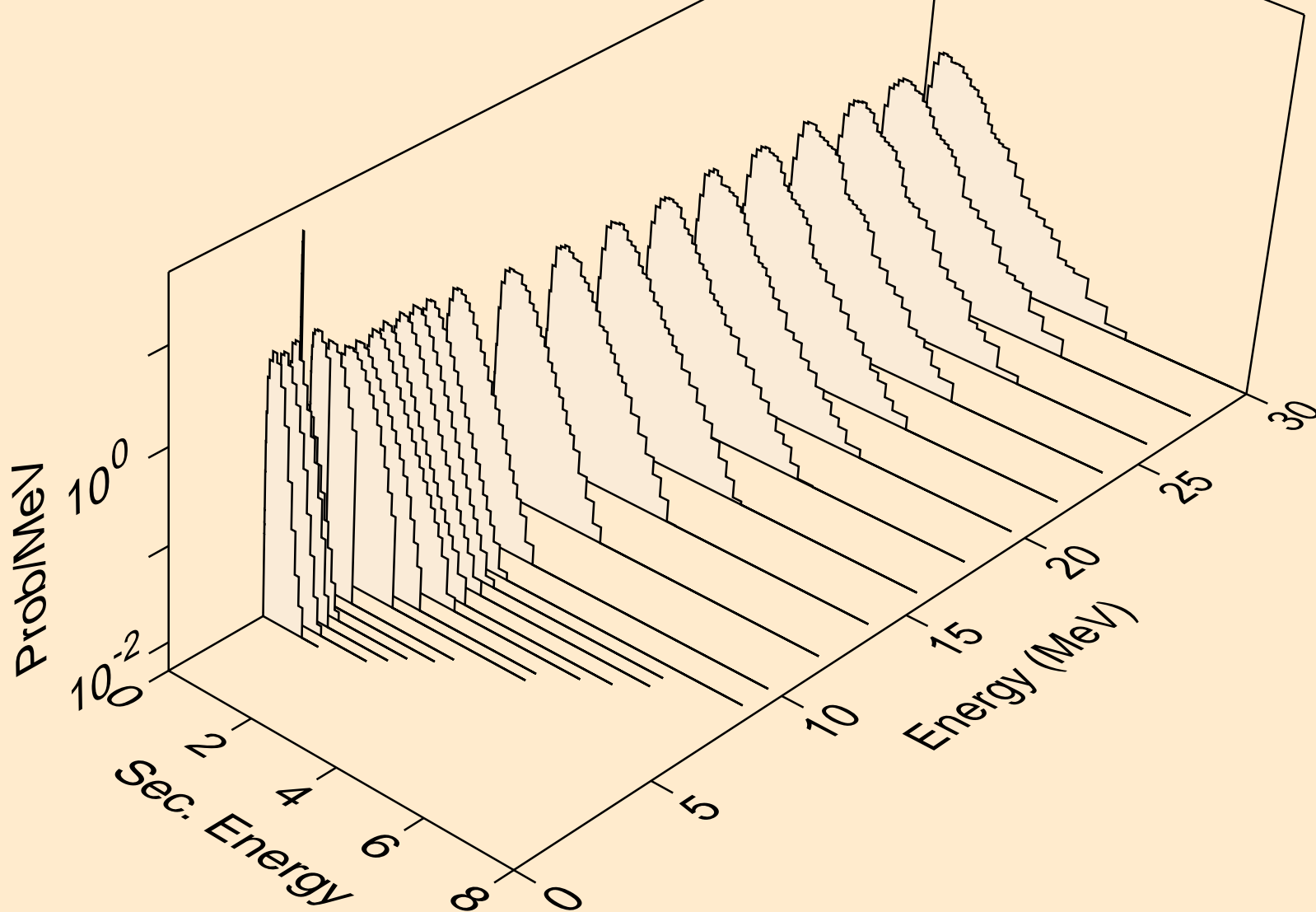
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Neutron emission for (n,3n)a



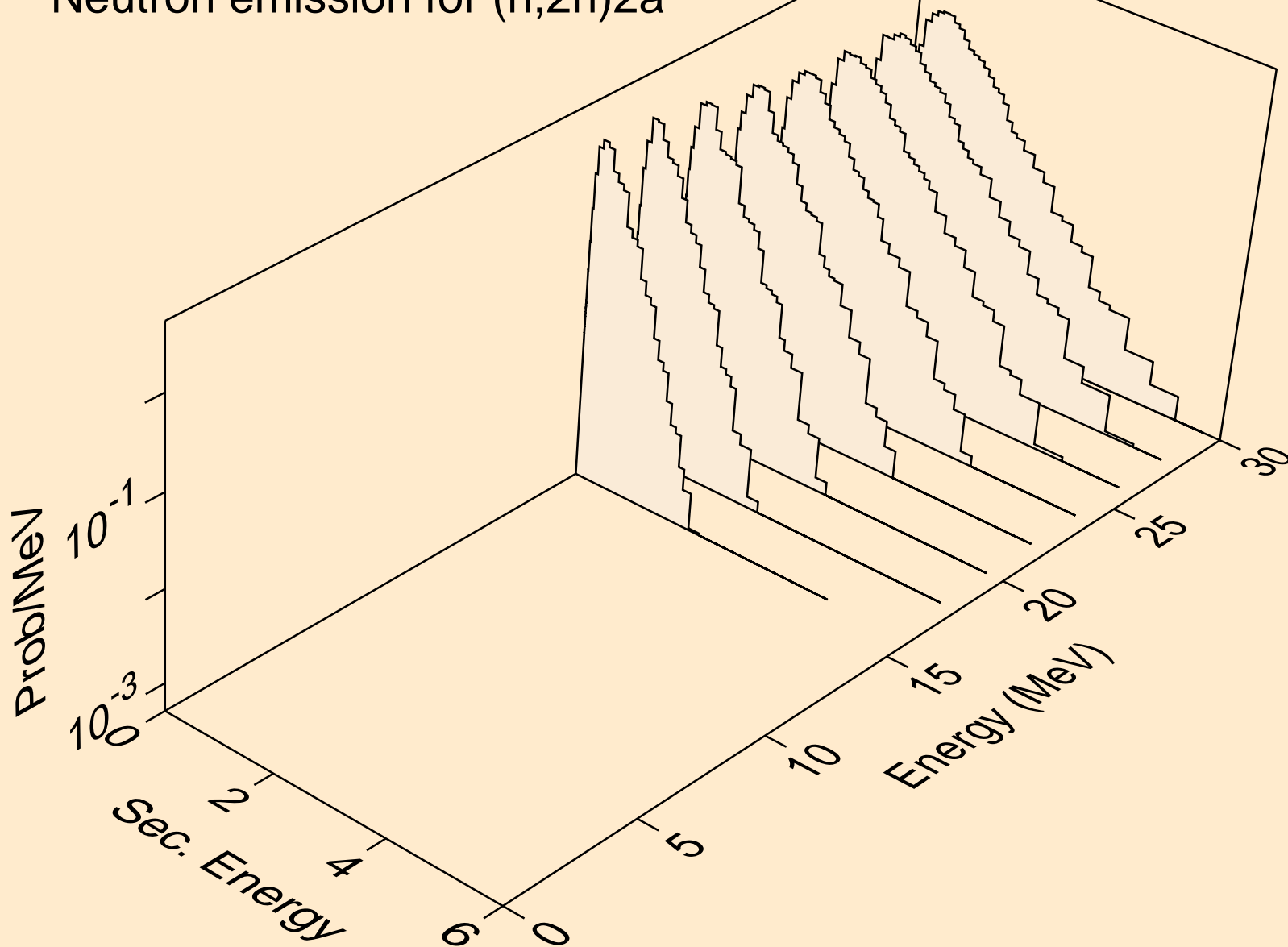
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



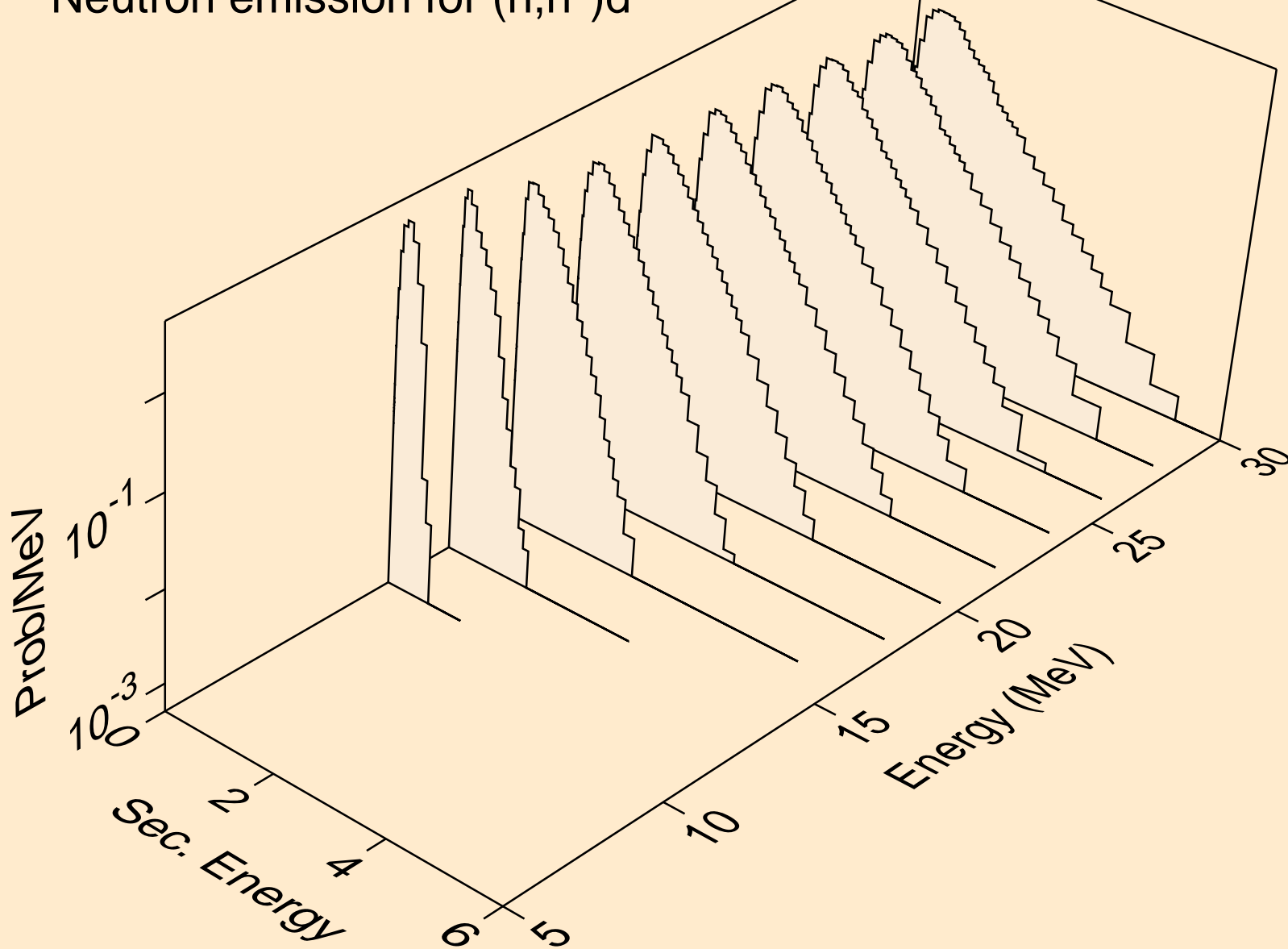
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Neutron emission for (n,n\*)2a



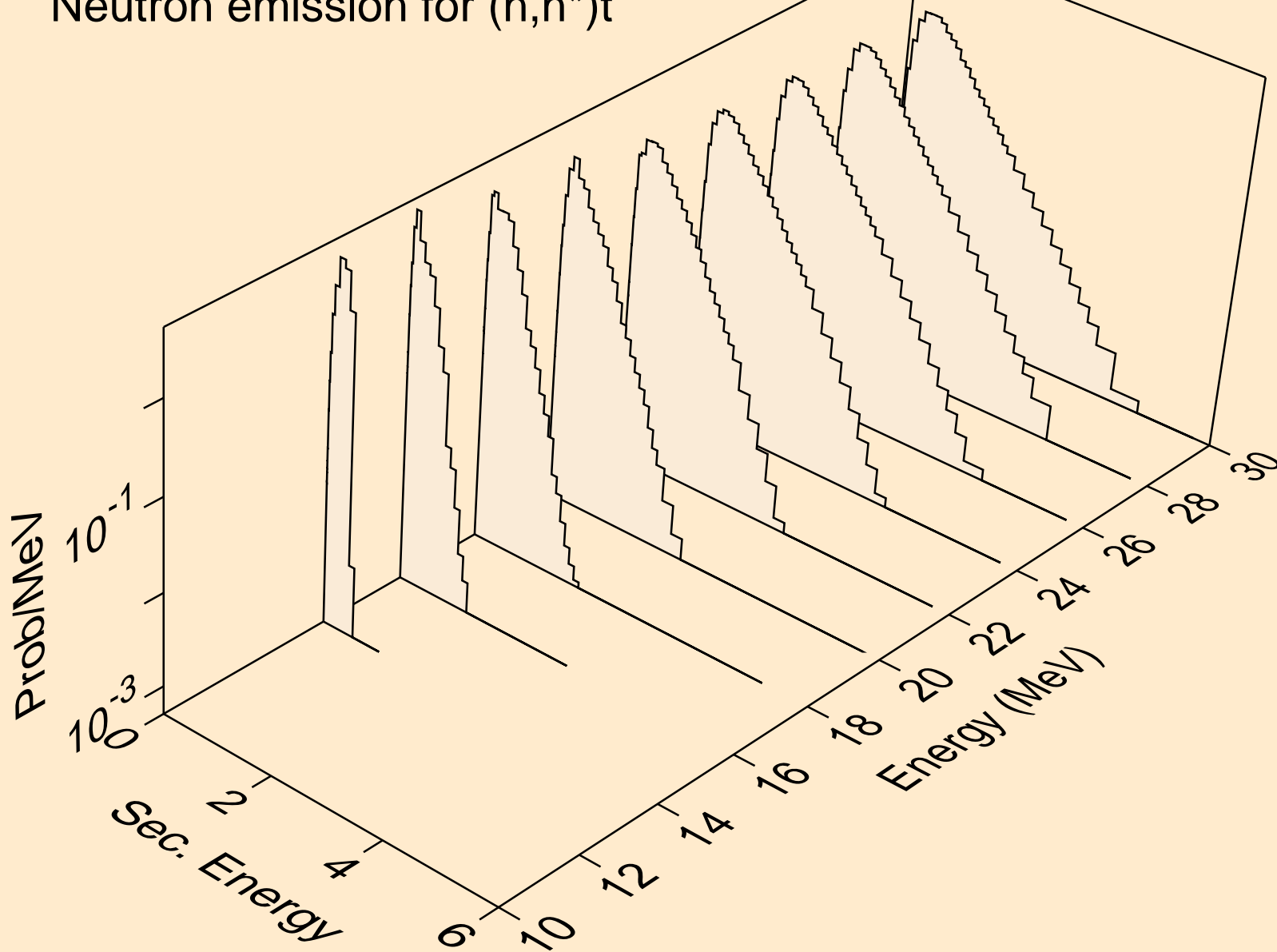
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Neutron emission for (n,2n)2a



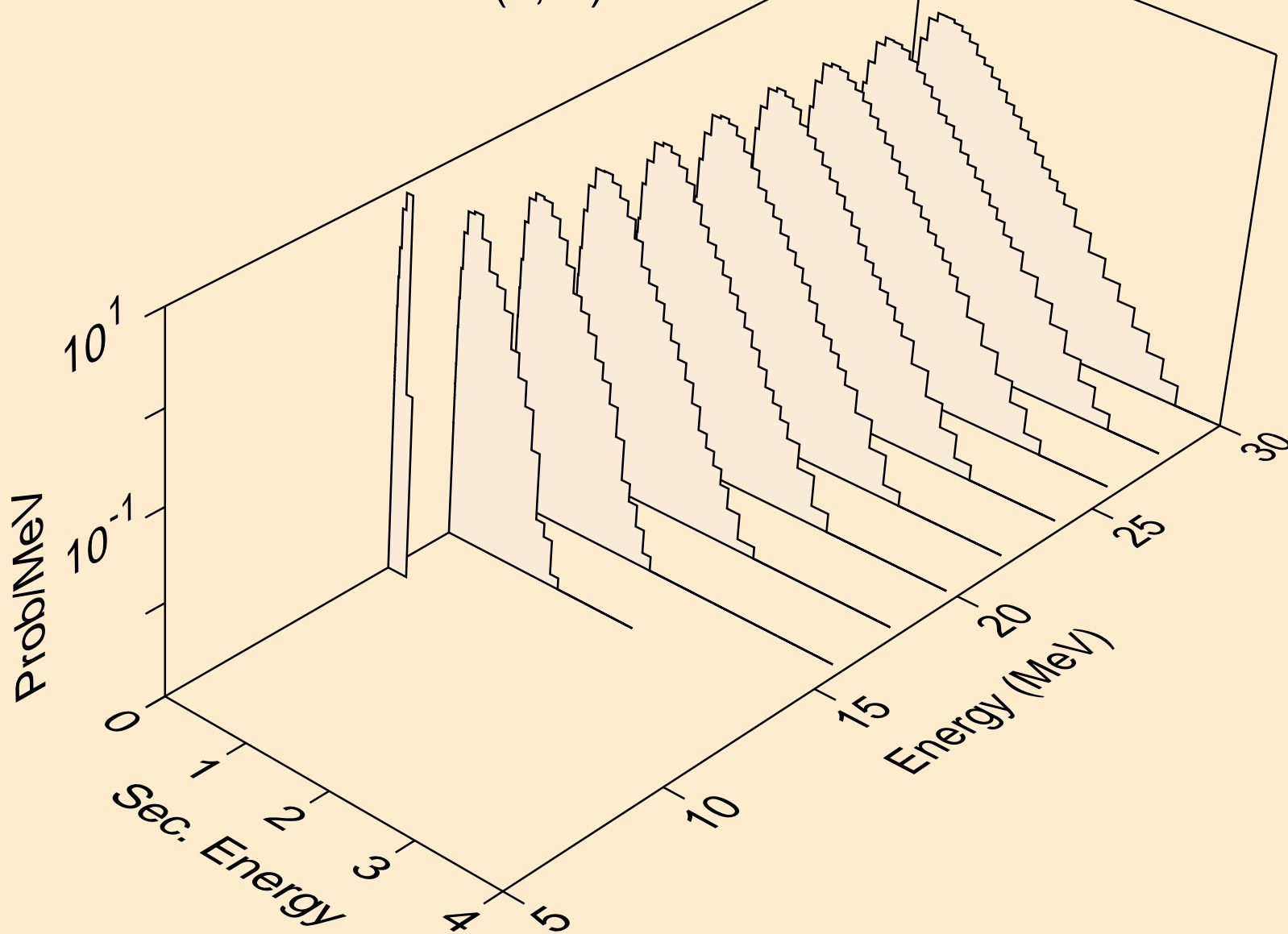
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Neutron emission for (n,n\*)d



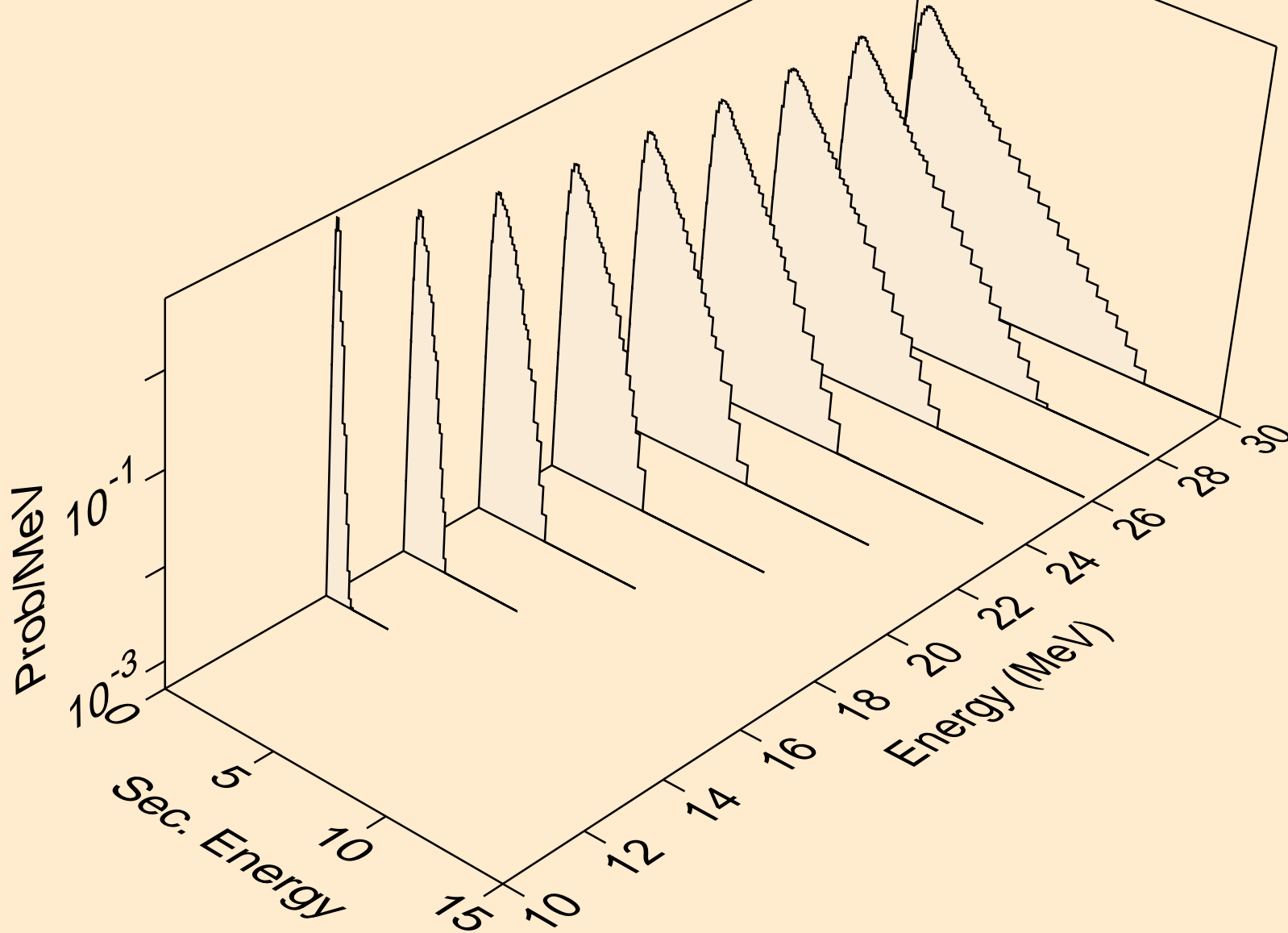
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

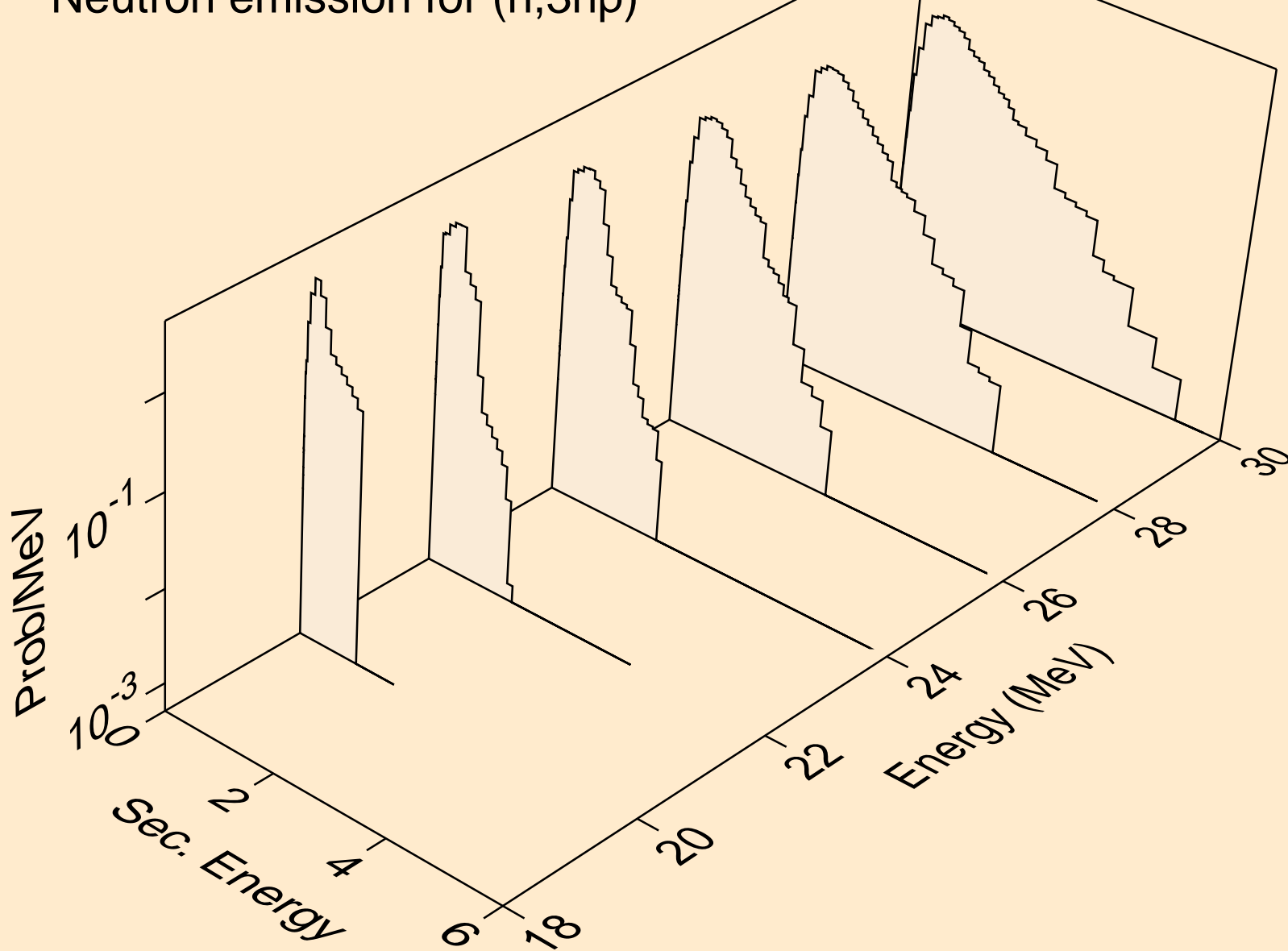


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

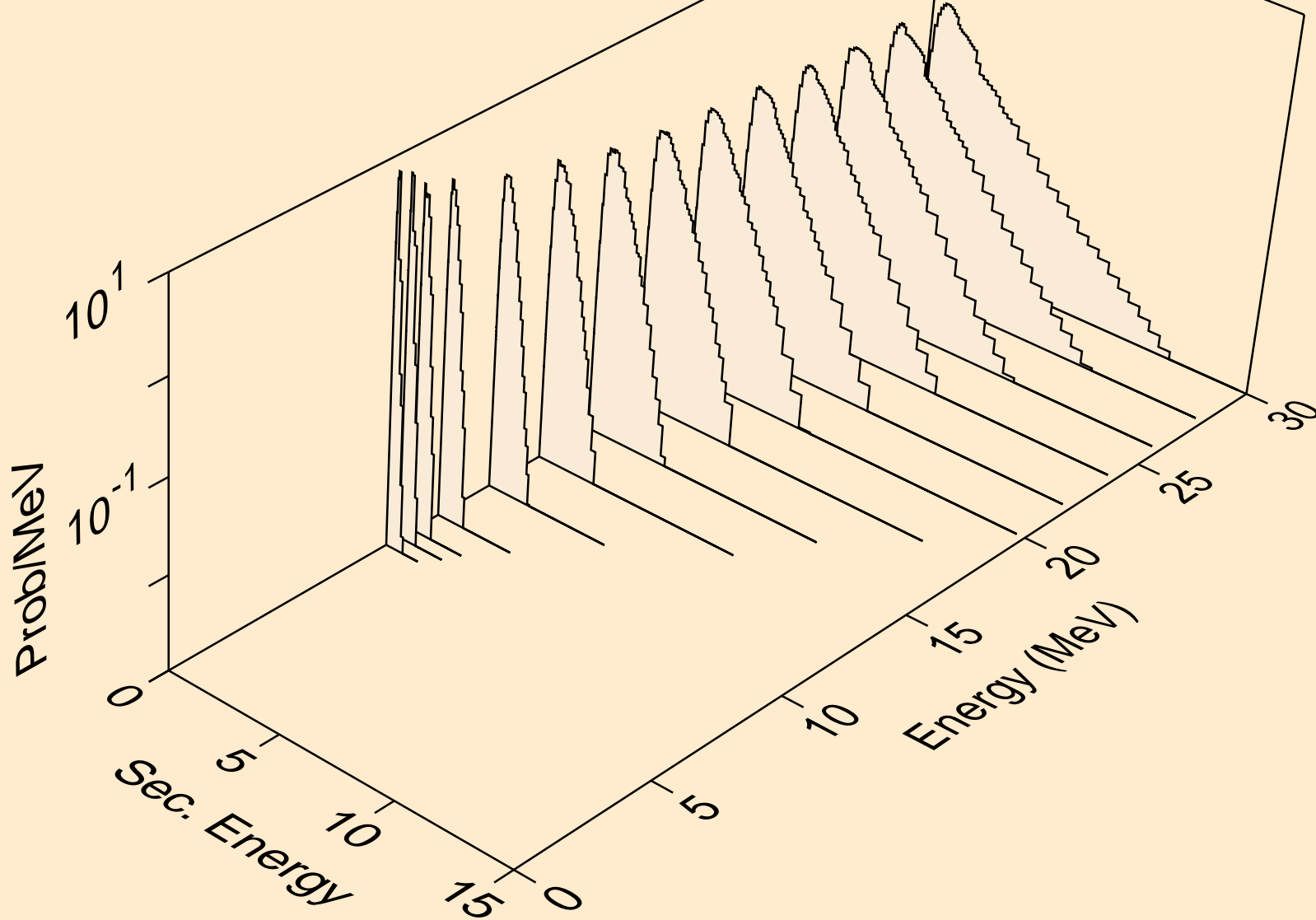




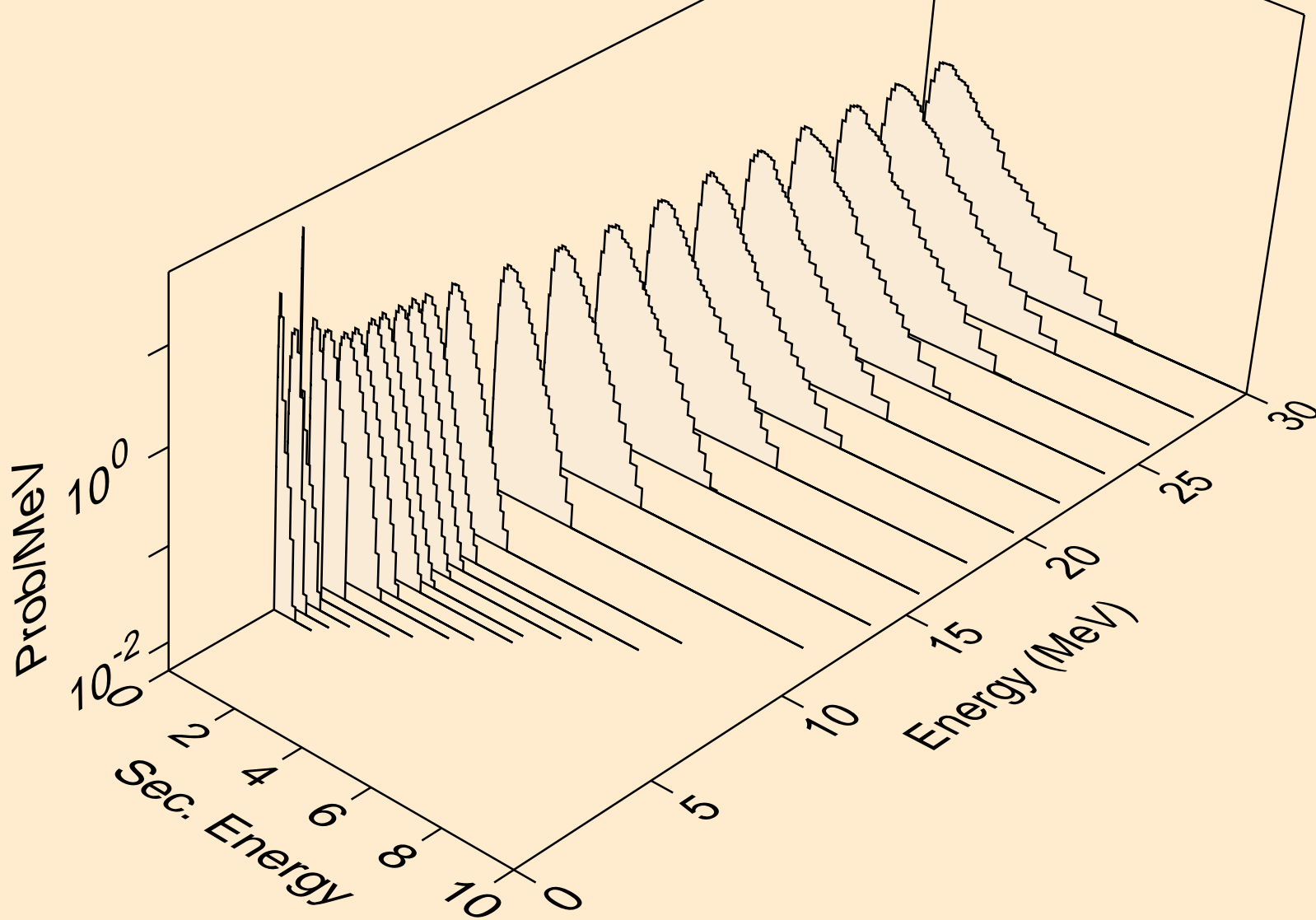
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Neutron emission for (n,3np)



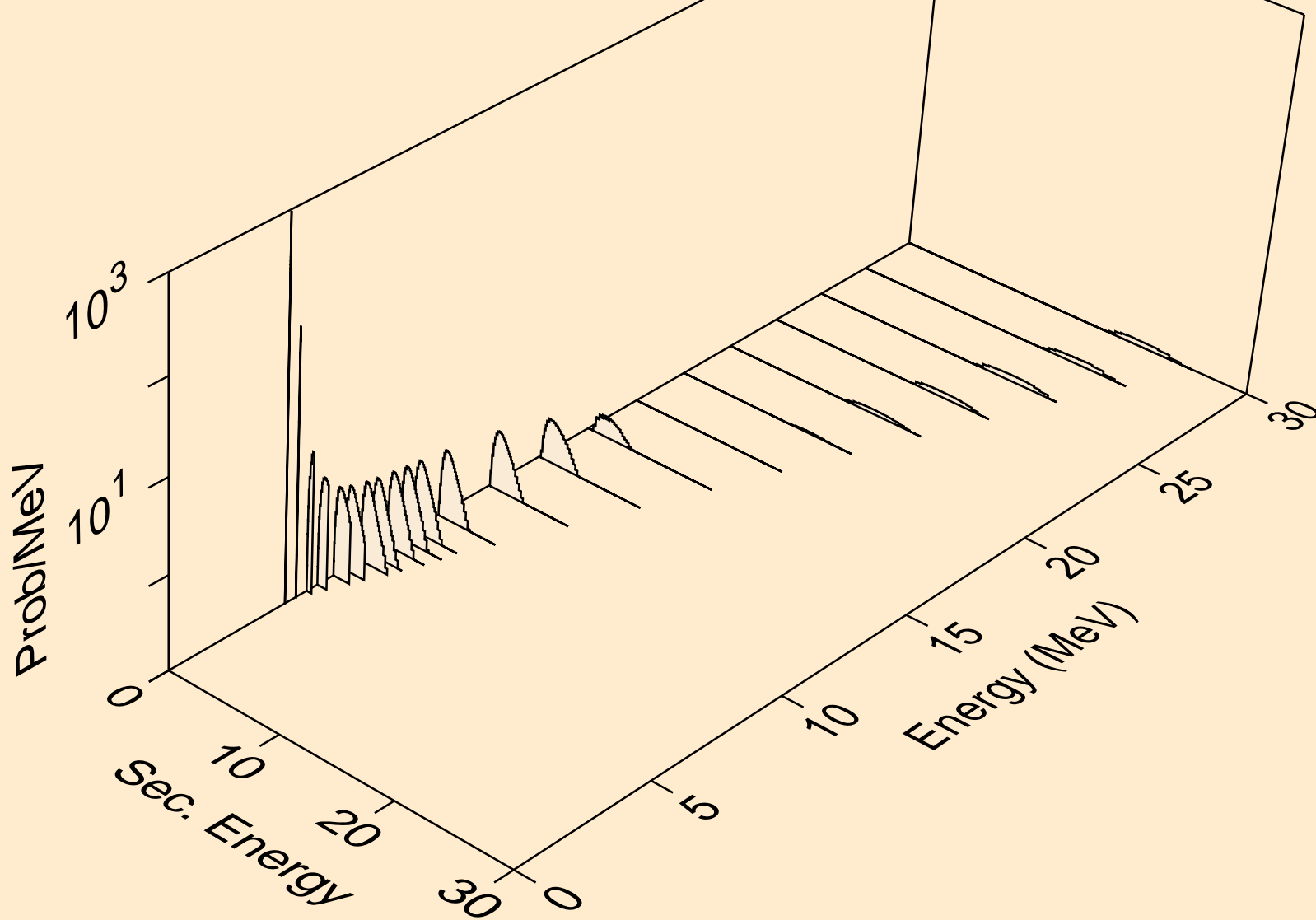
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Neutron emission for (n,2np)



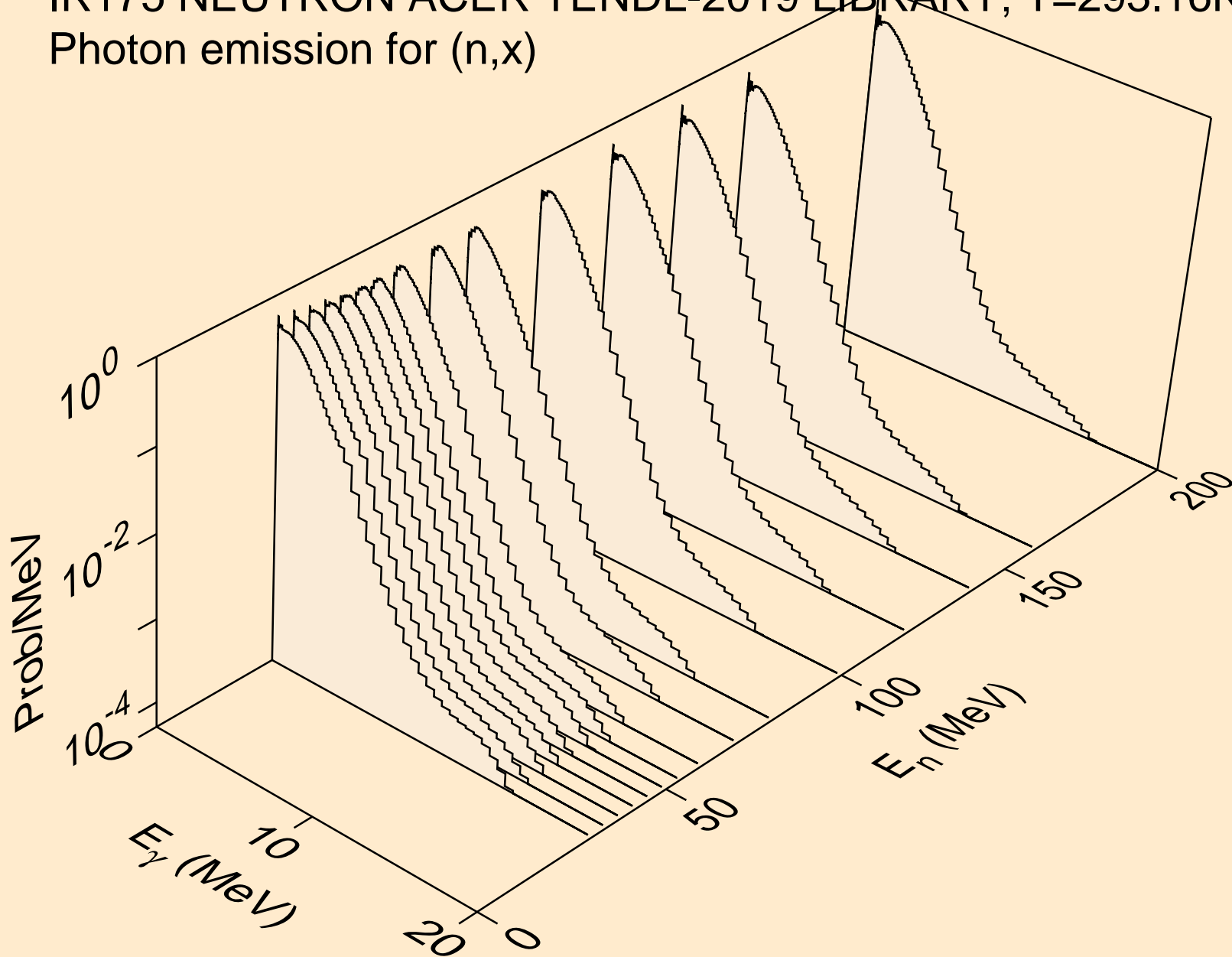
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Neutron emission for (n,npa)



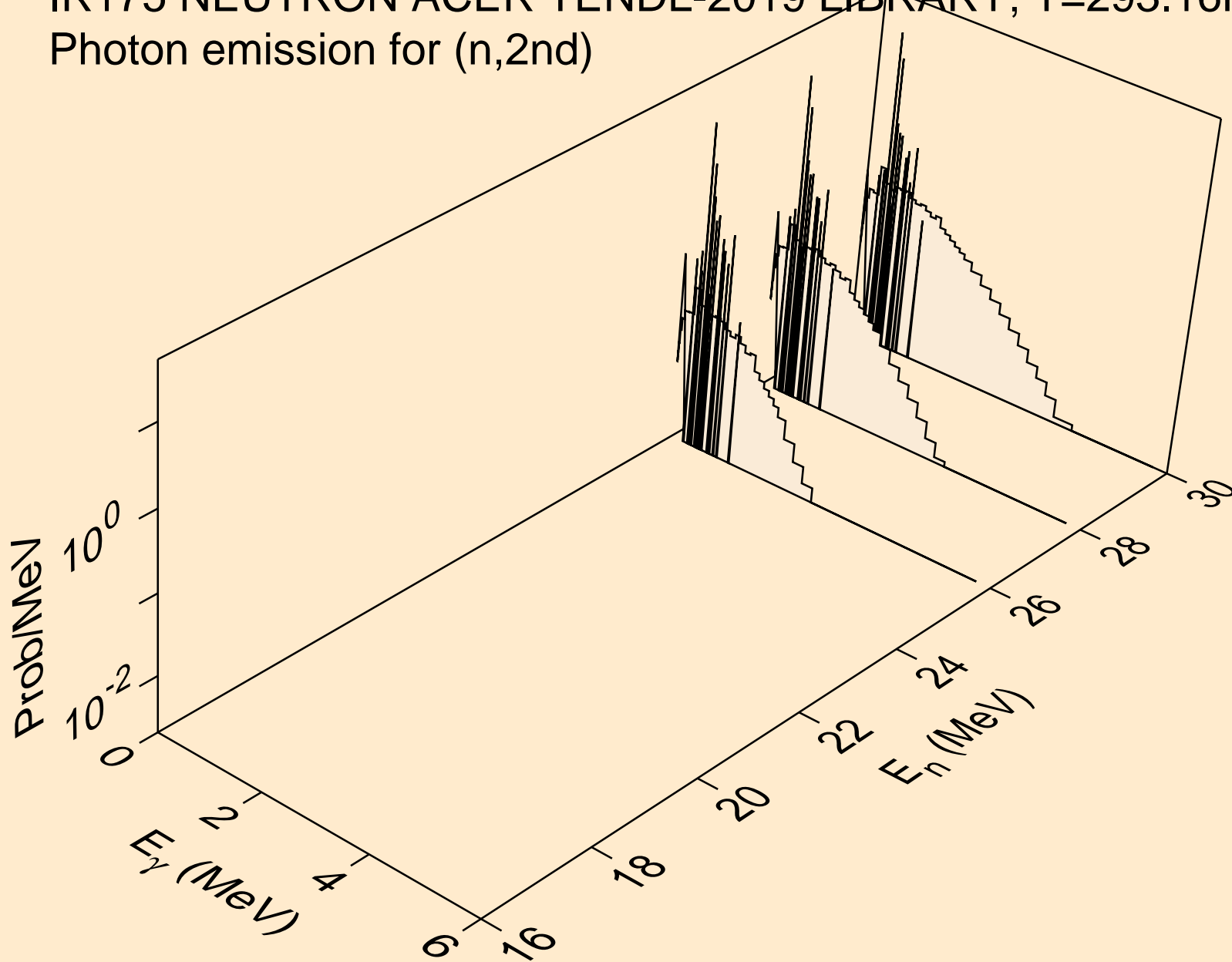
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



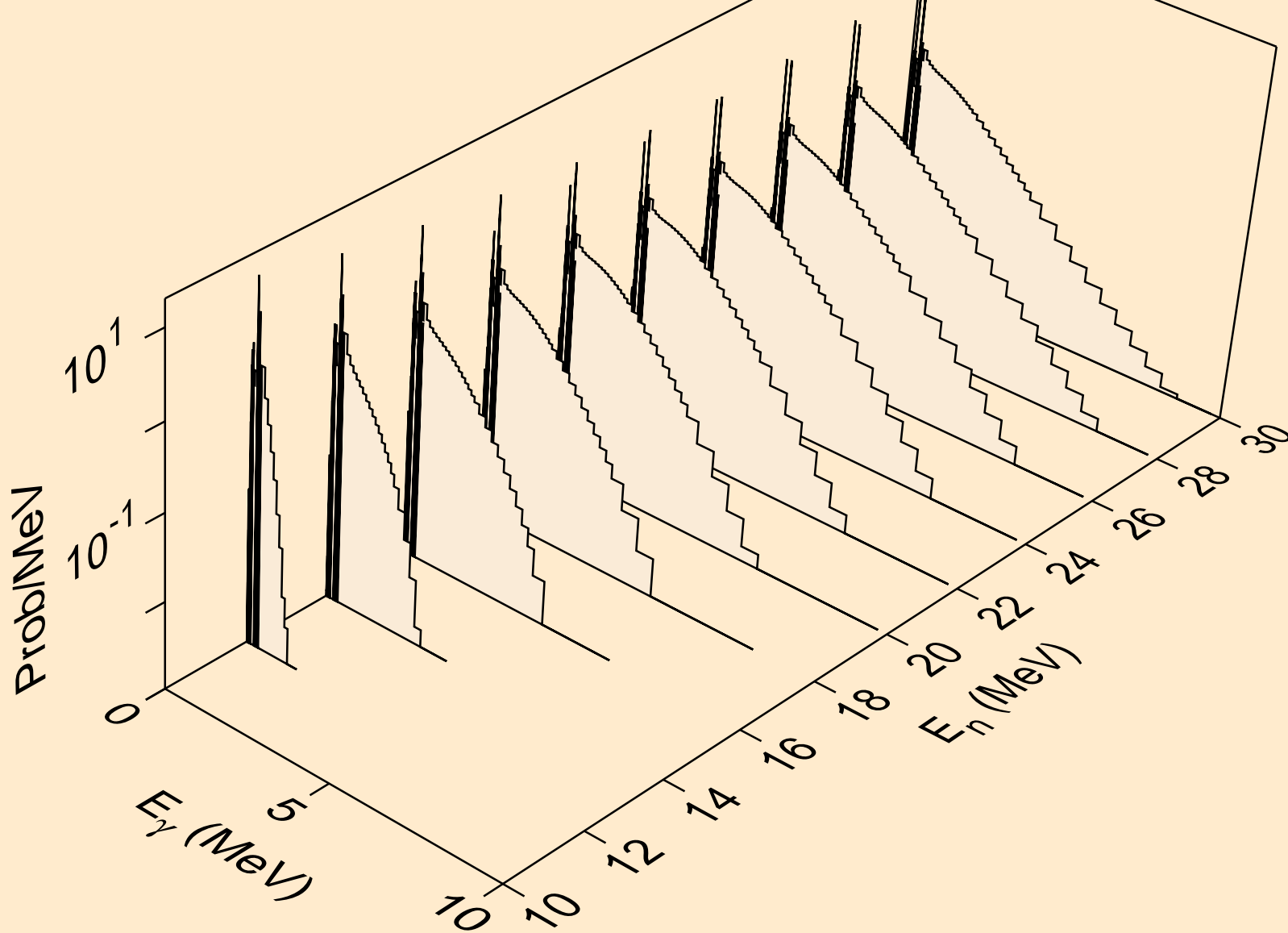
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



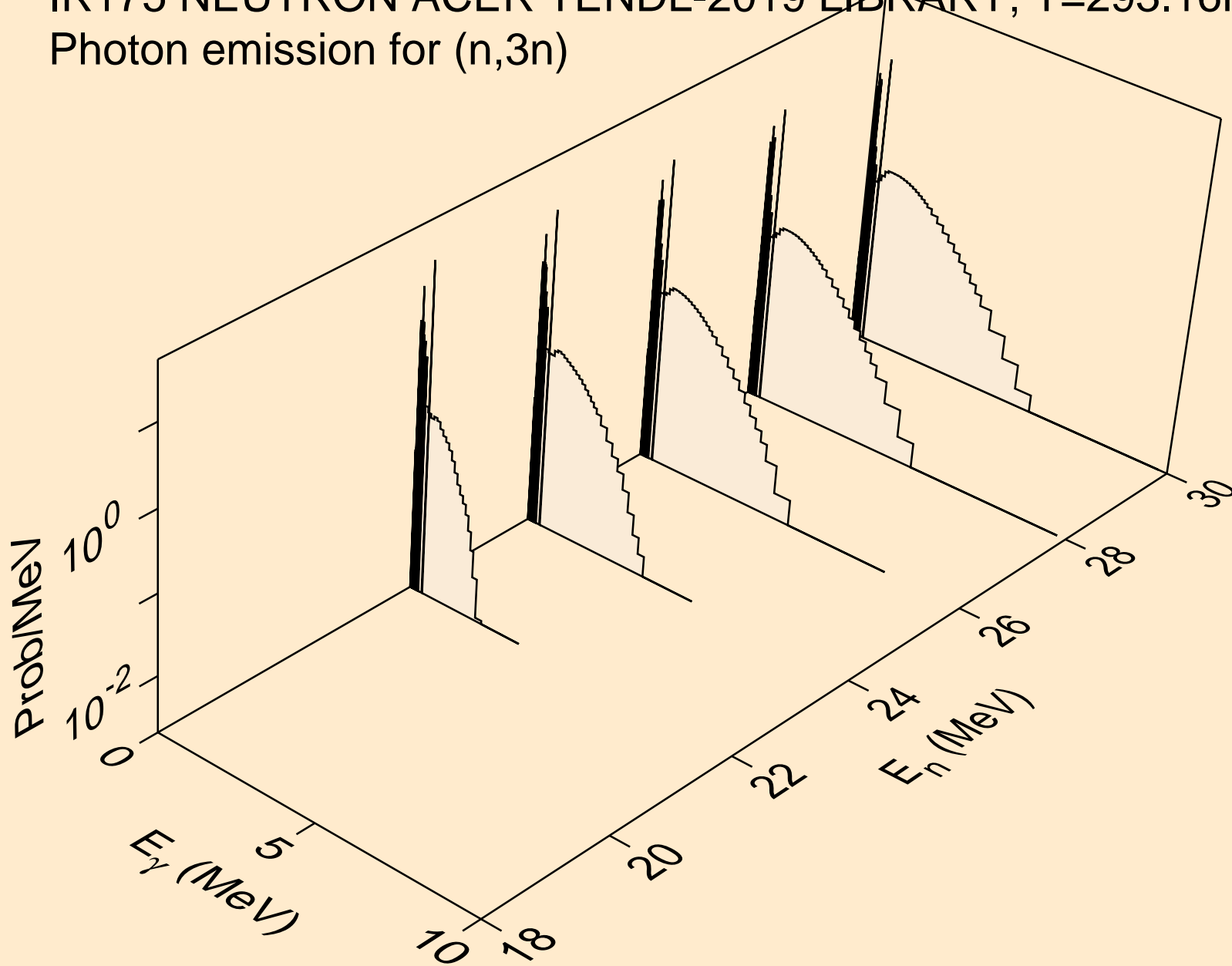
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

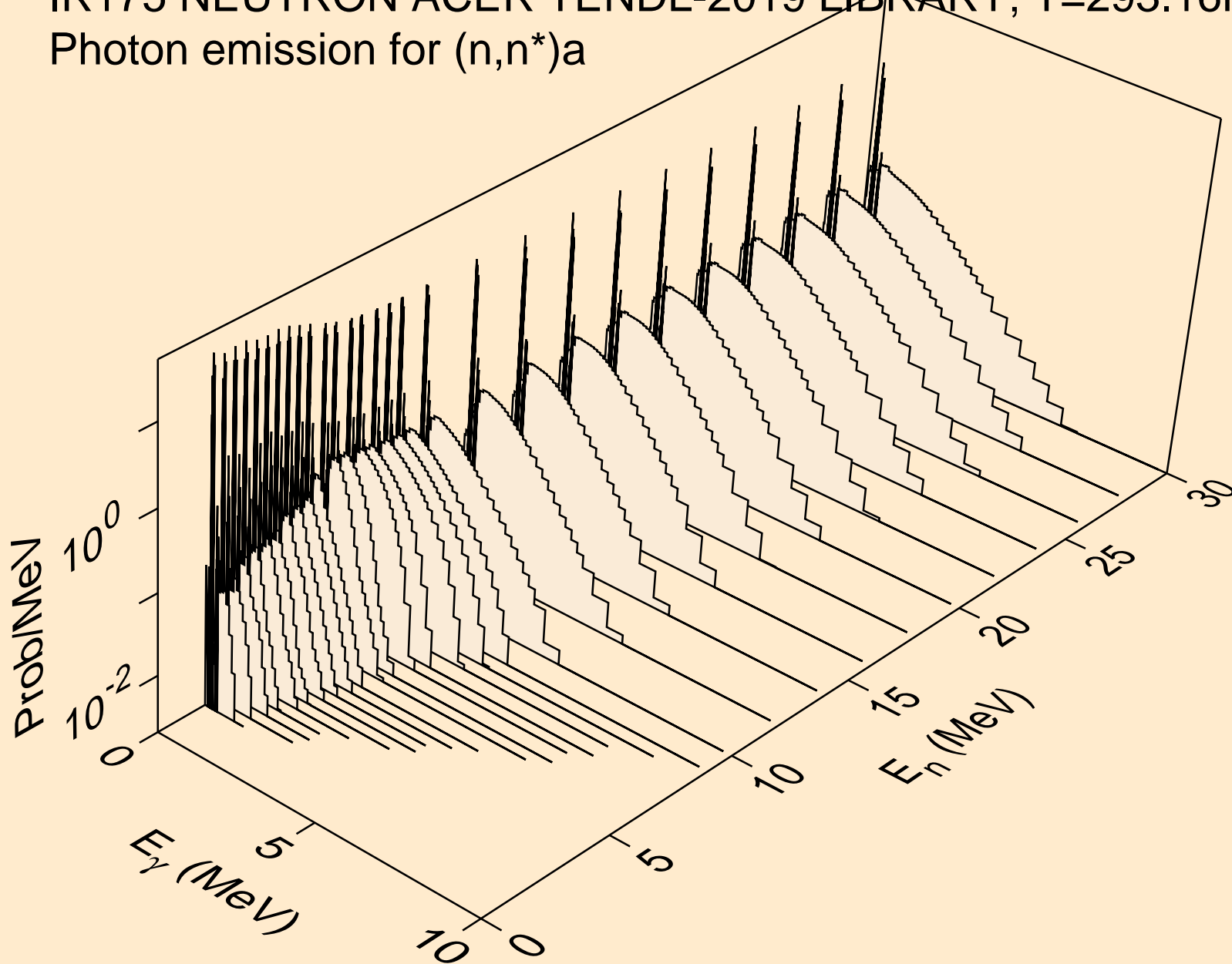


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

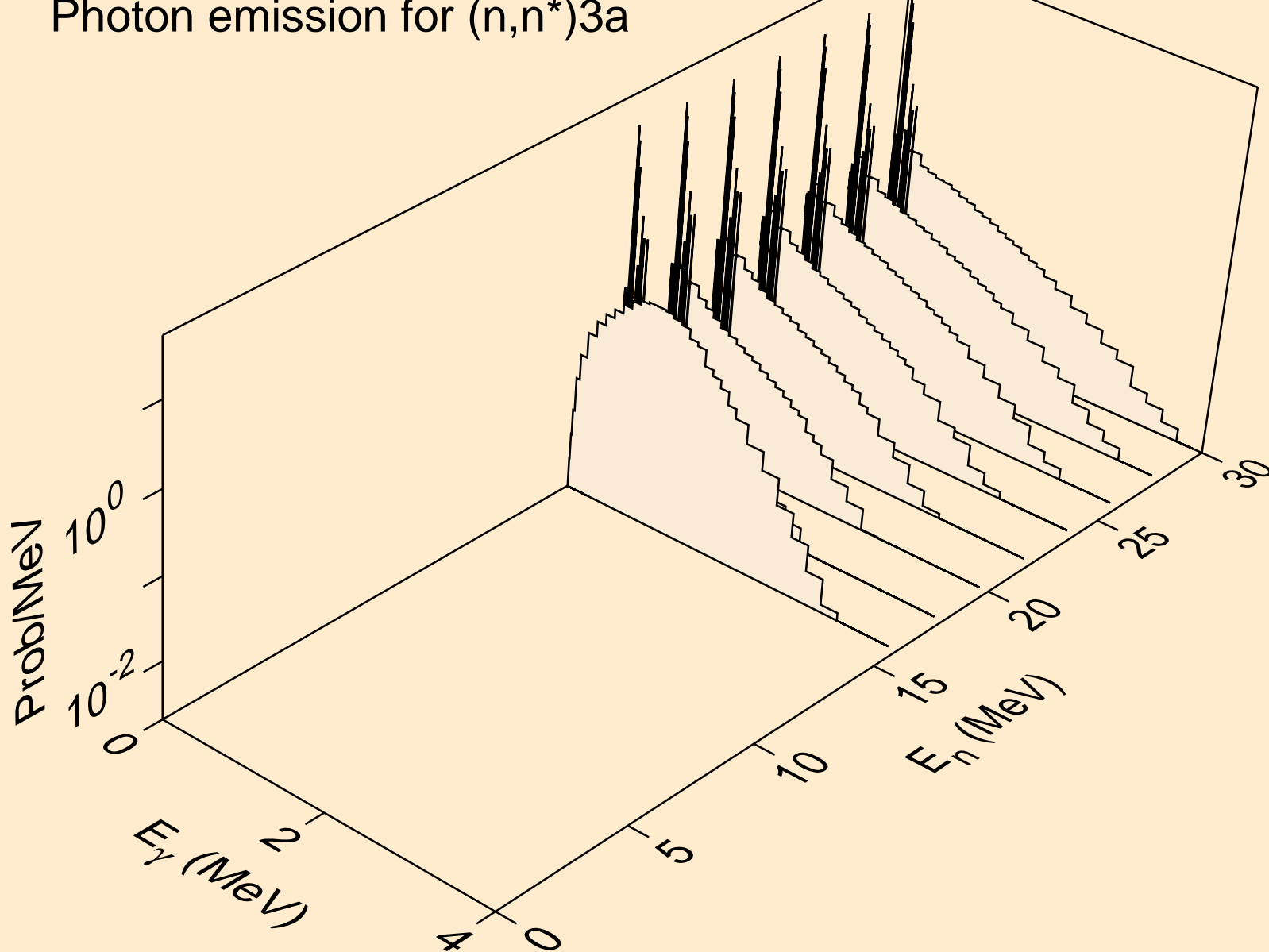




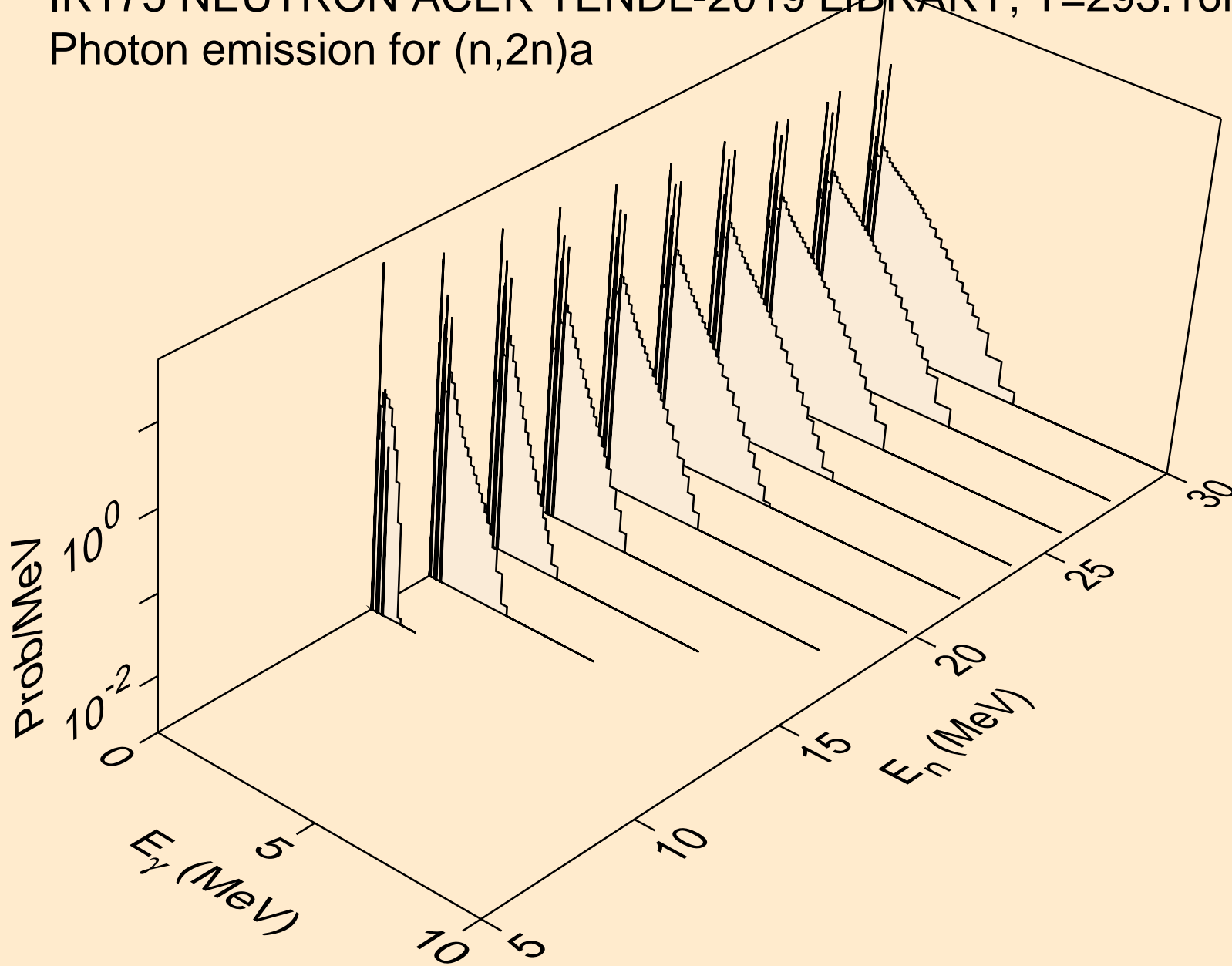
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



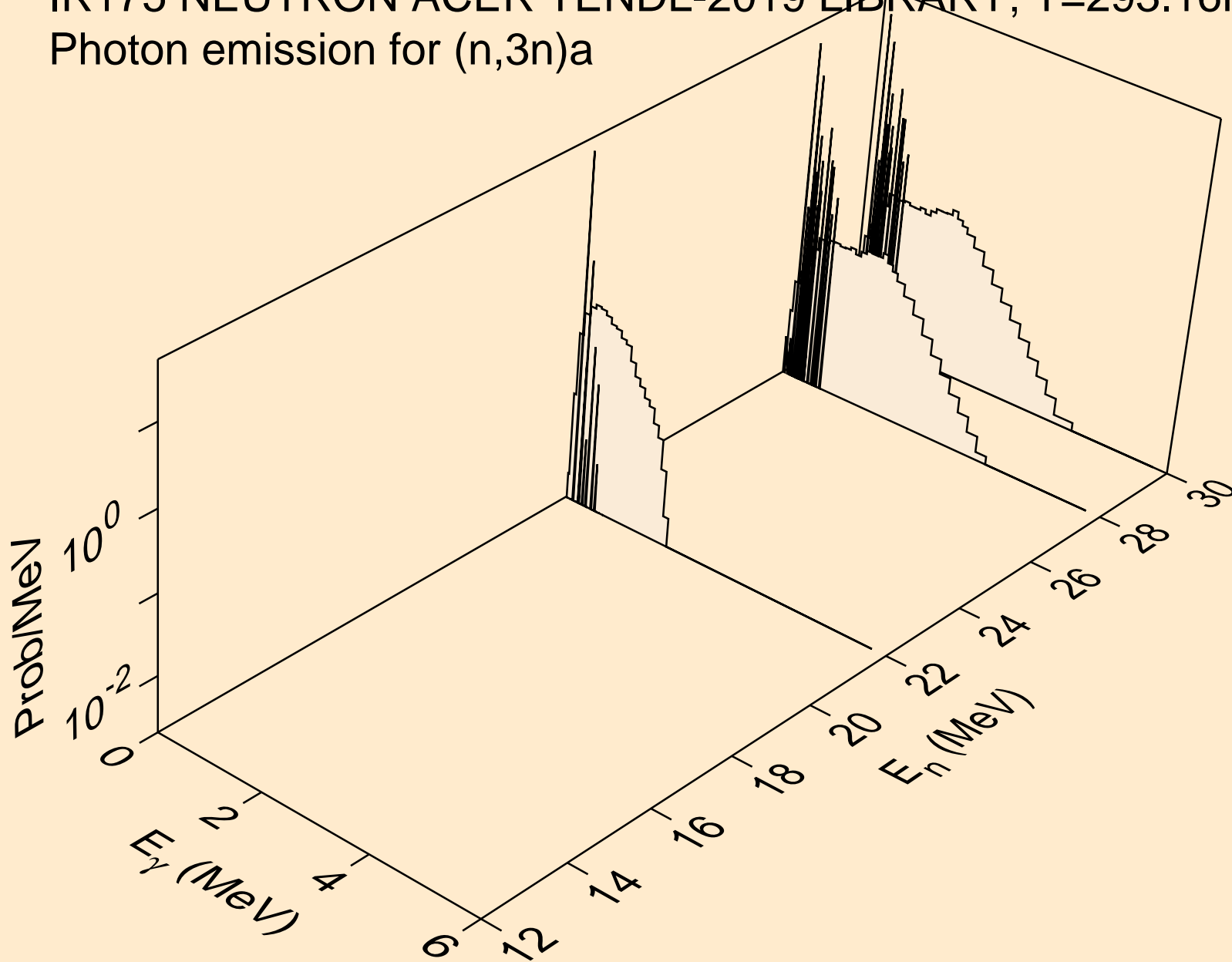
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a



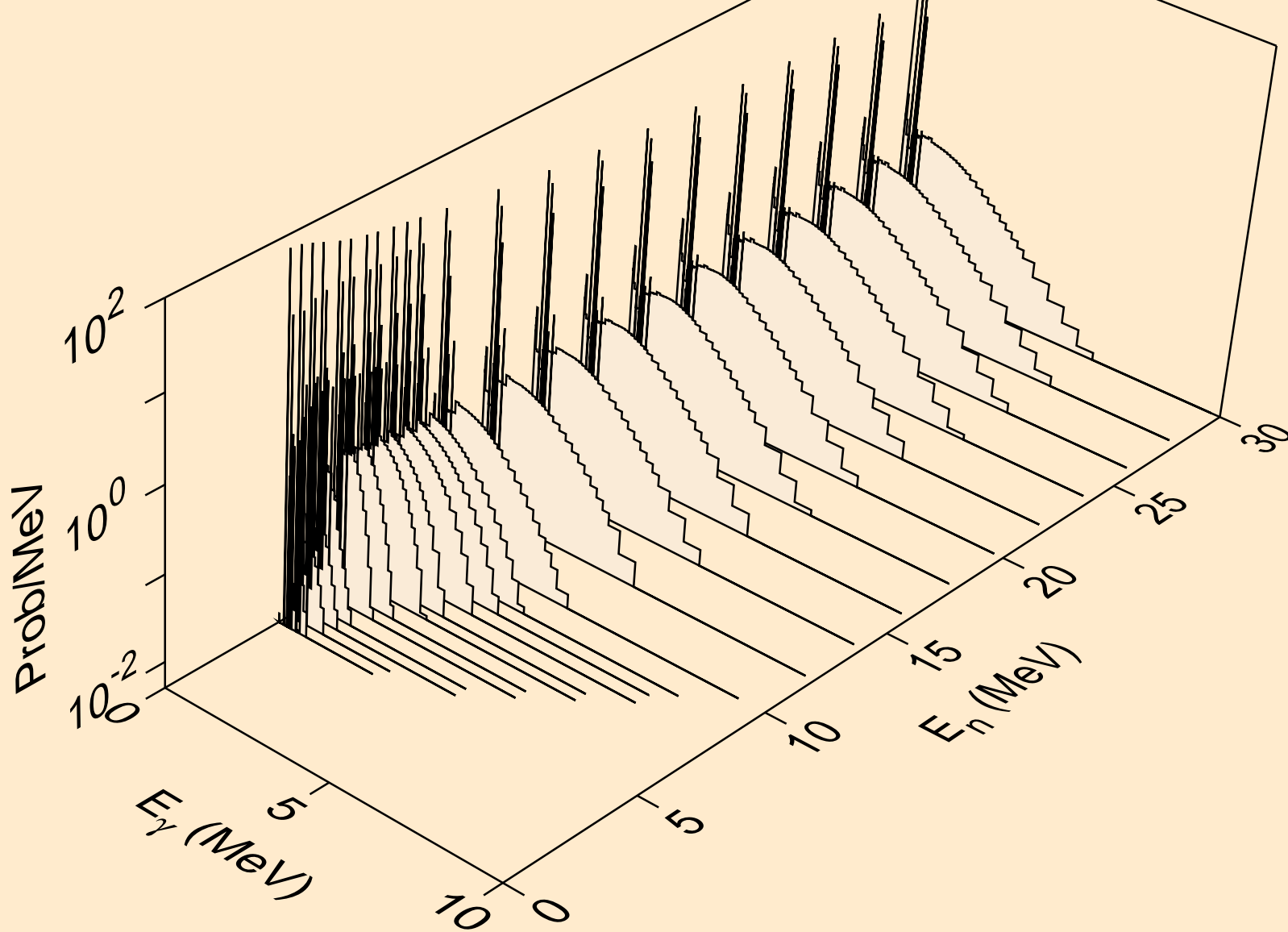
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



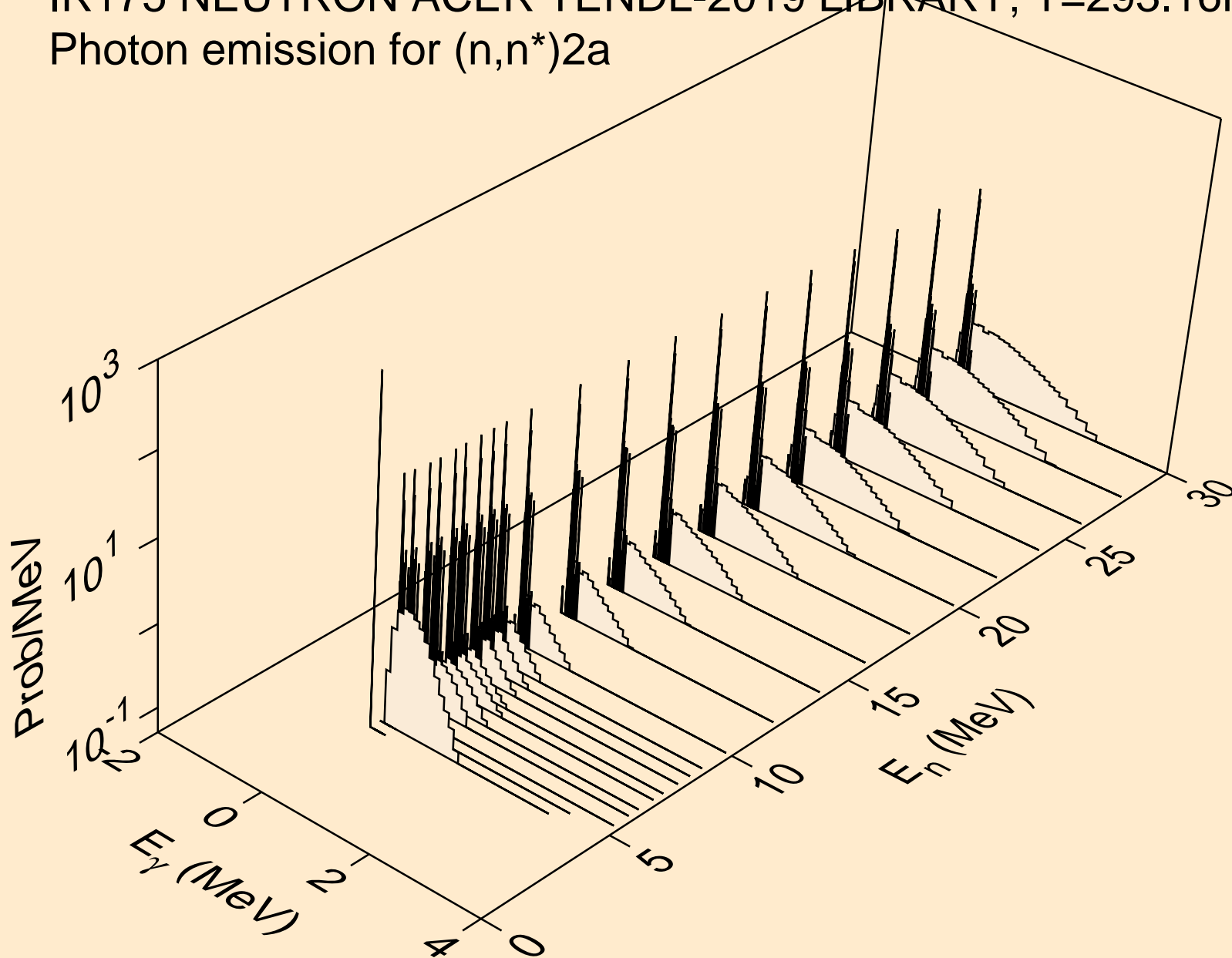
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Photon emission for (n,3n)a



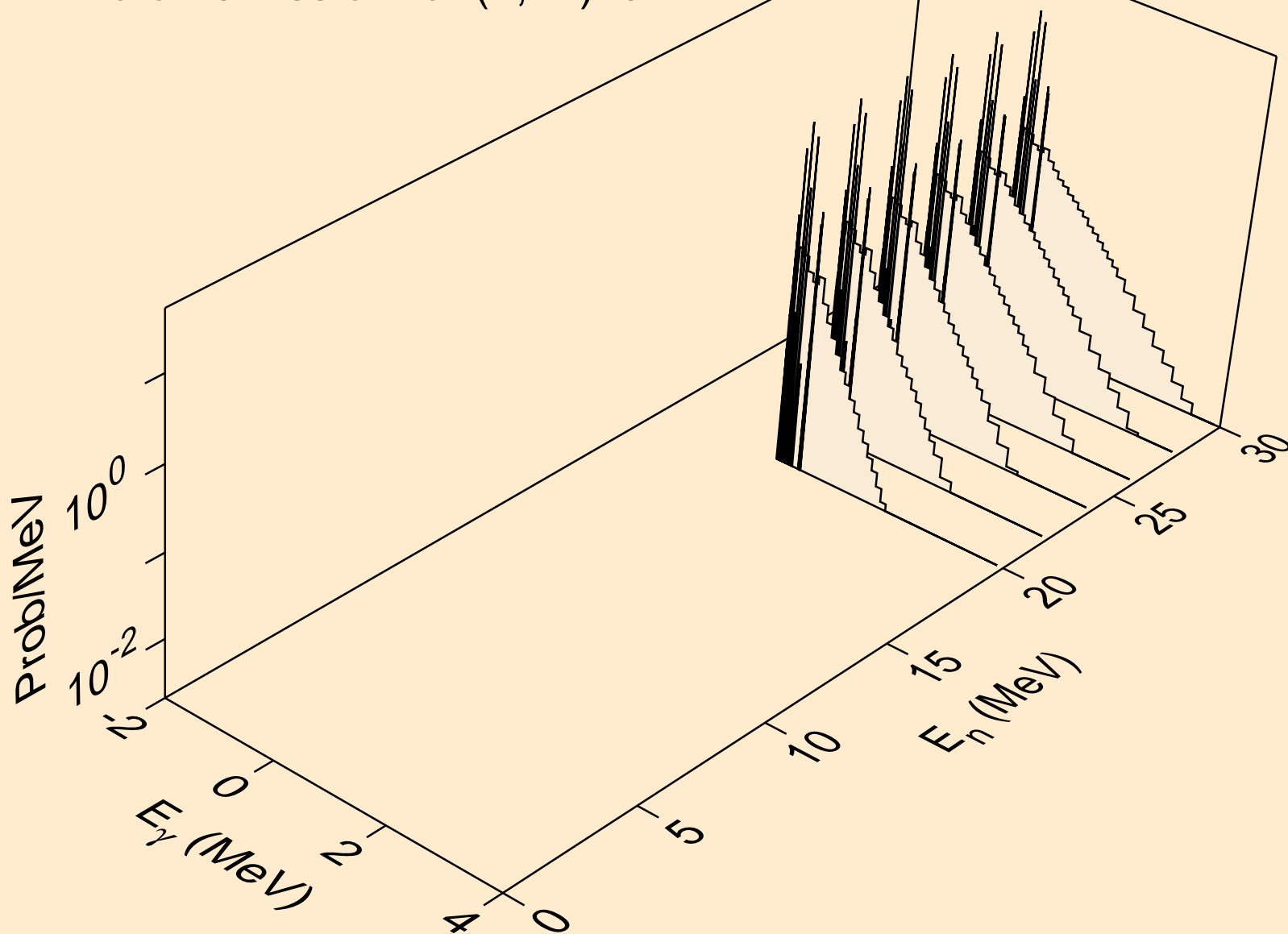
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



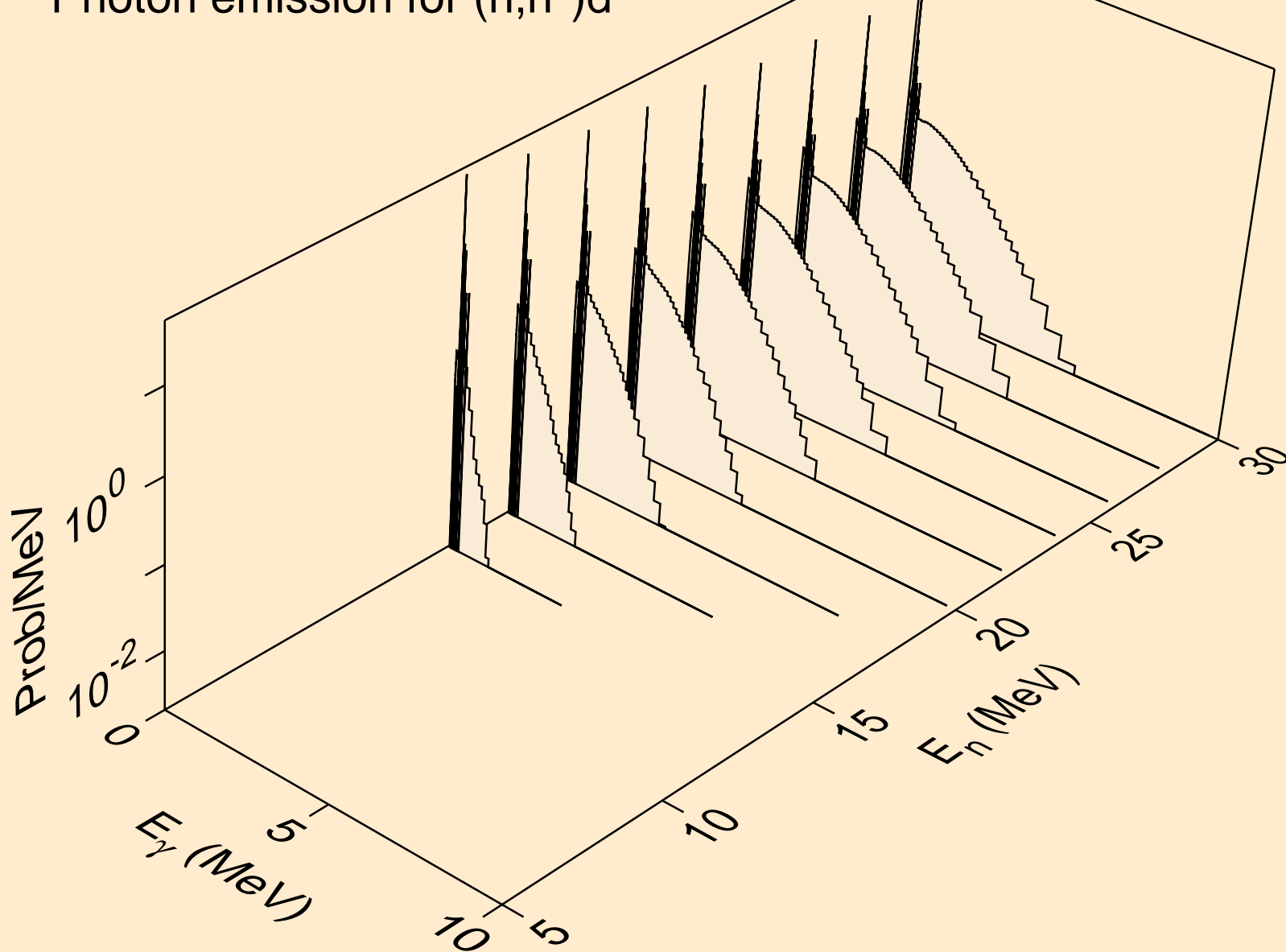
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a

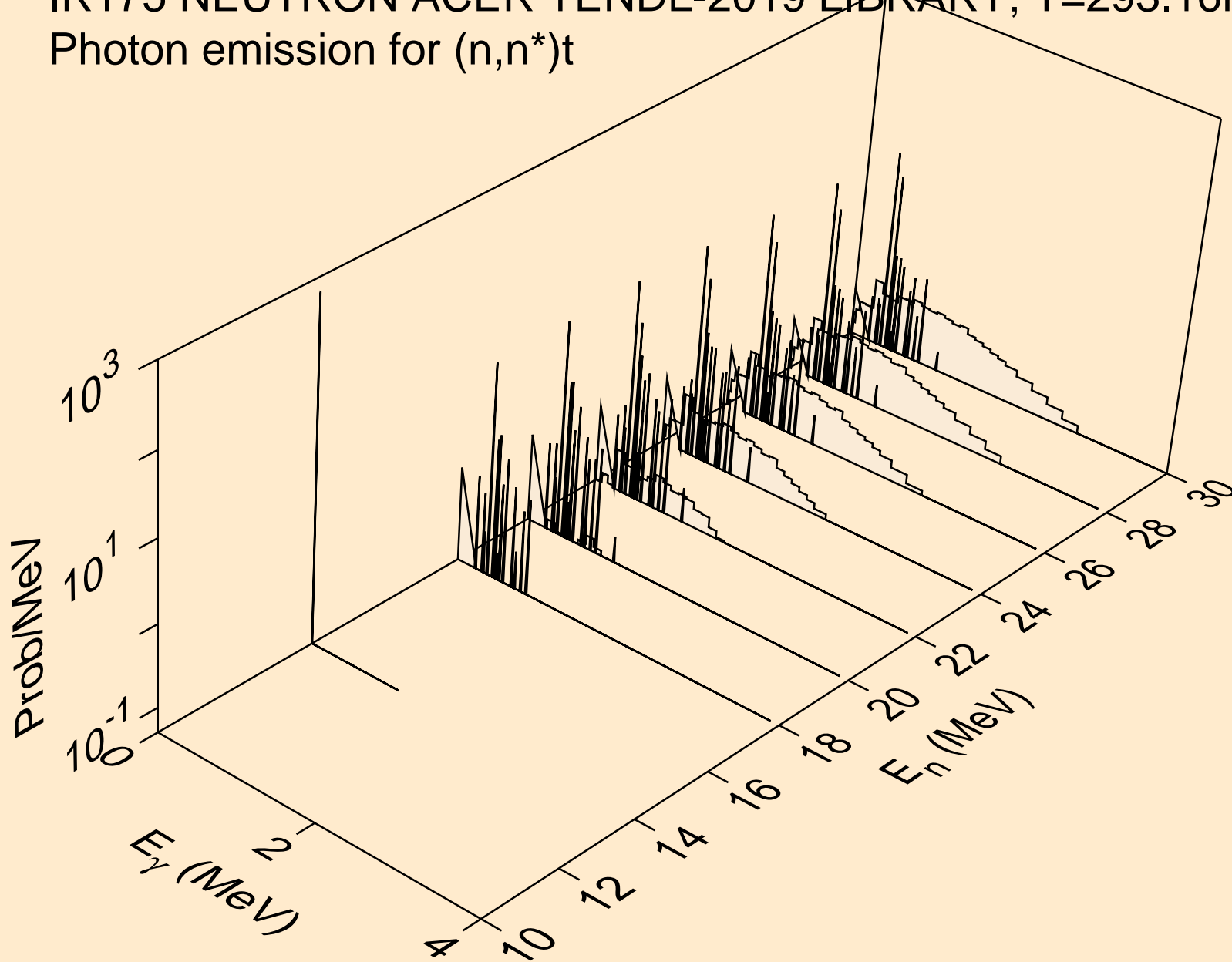


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

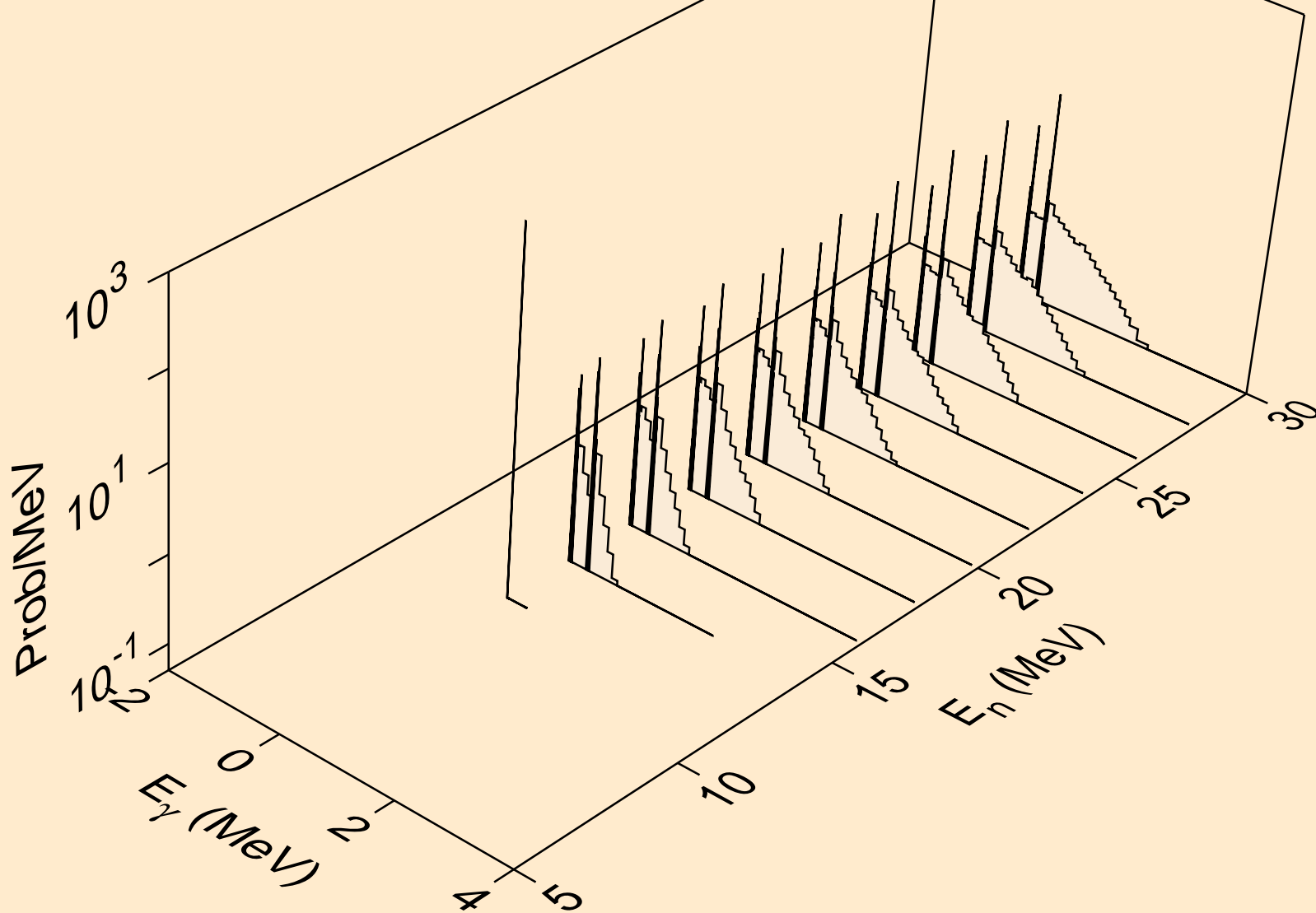




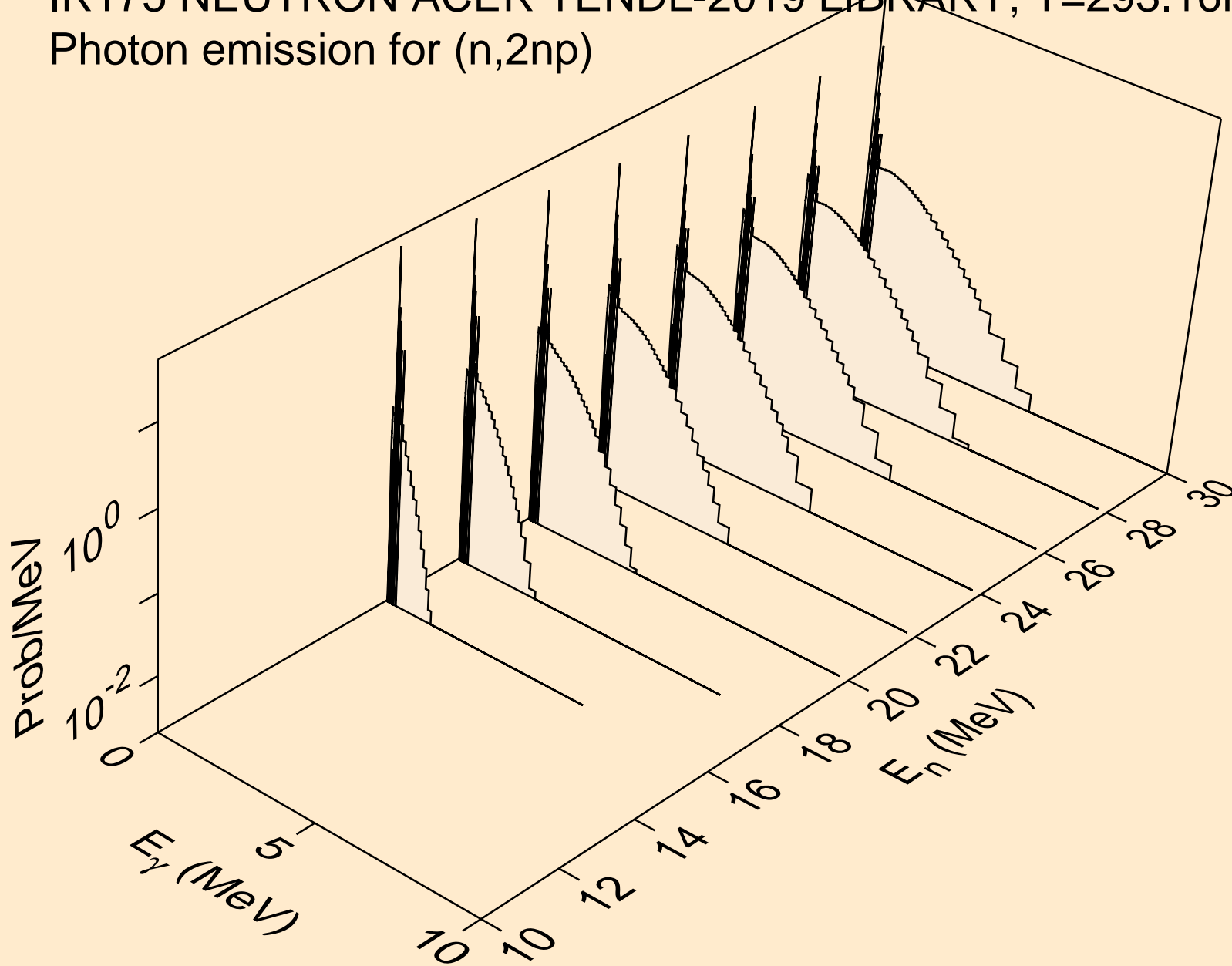
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



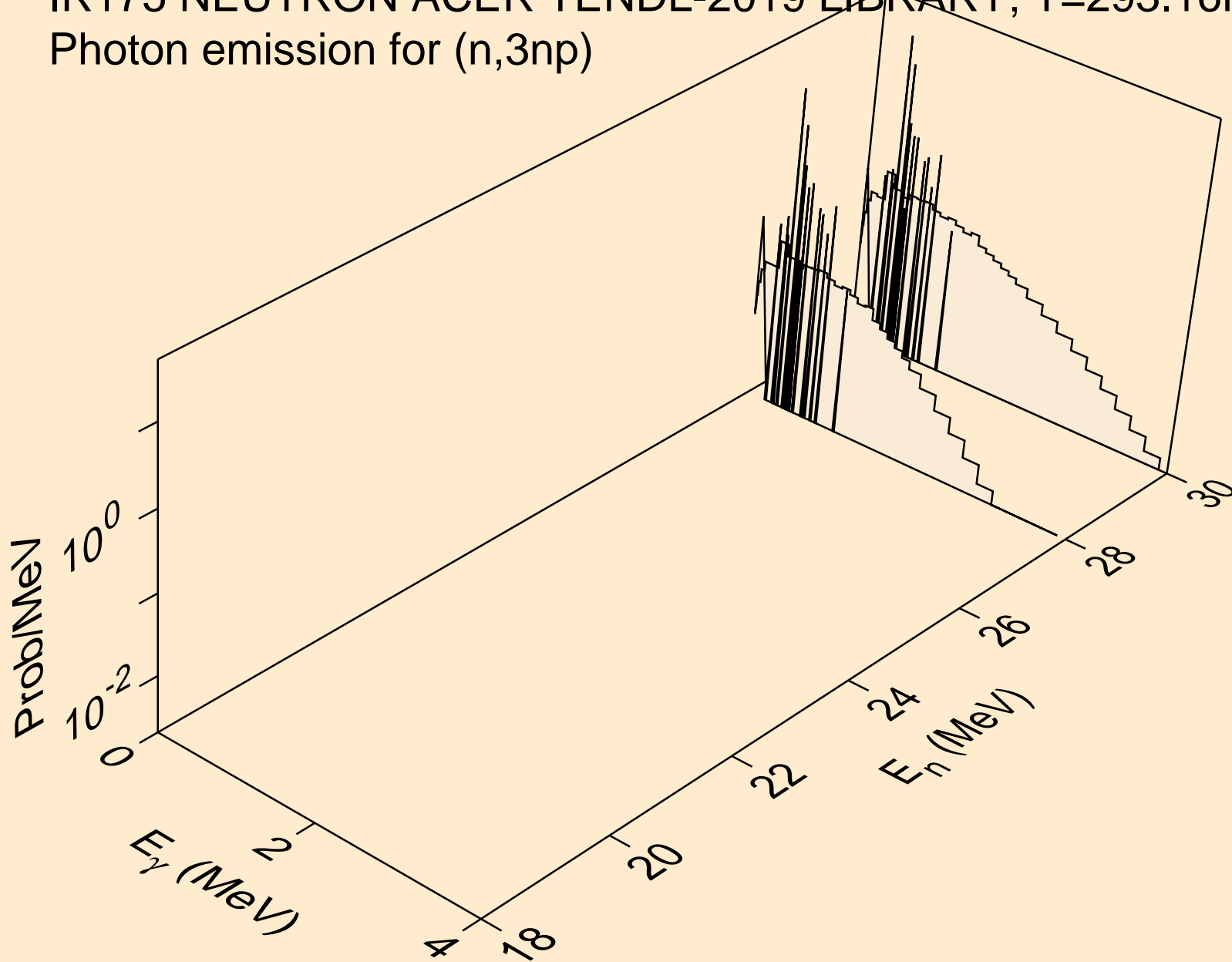
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



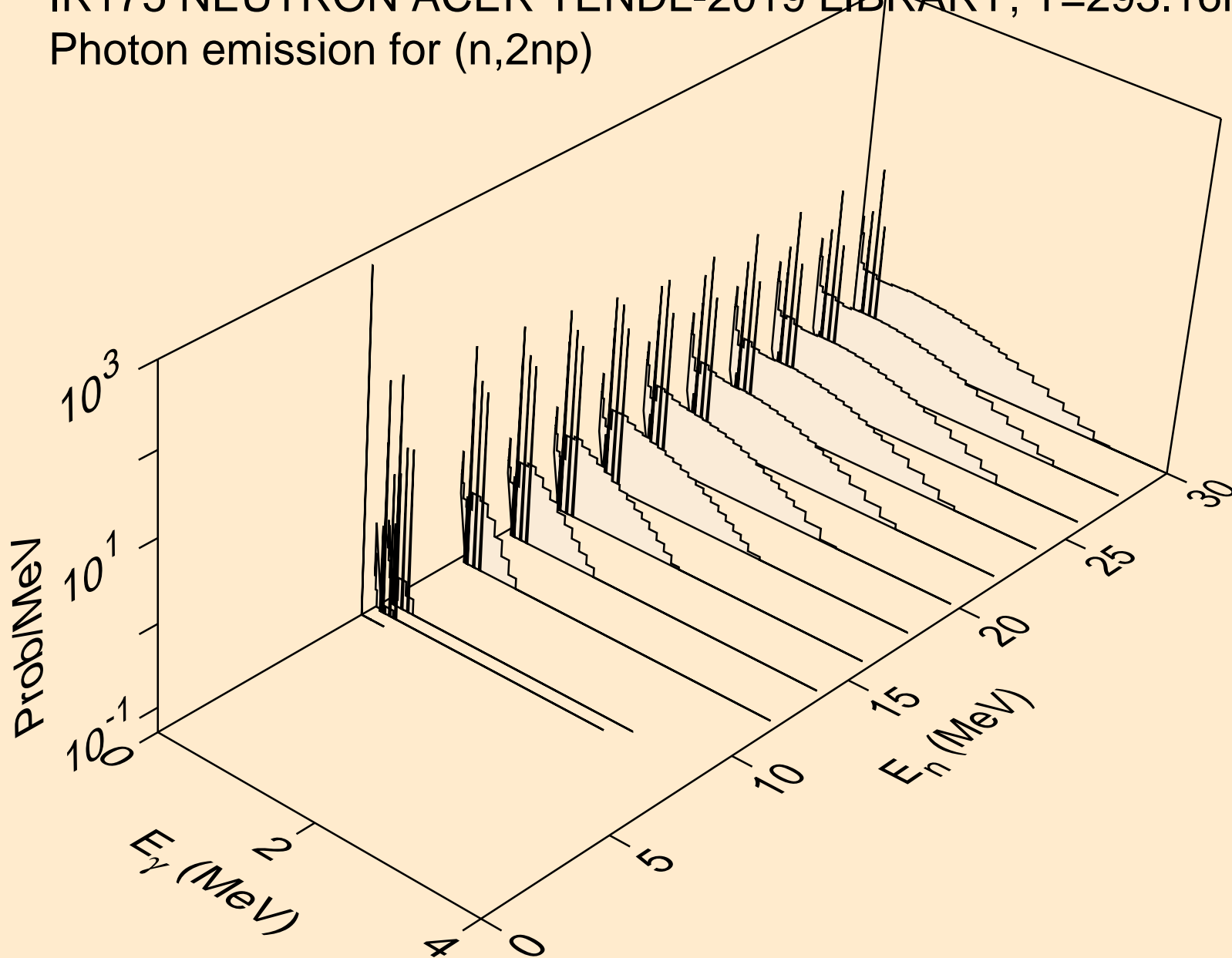
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



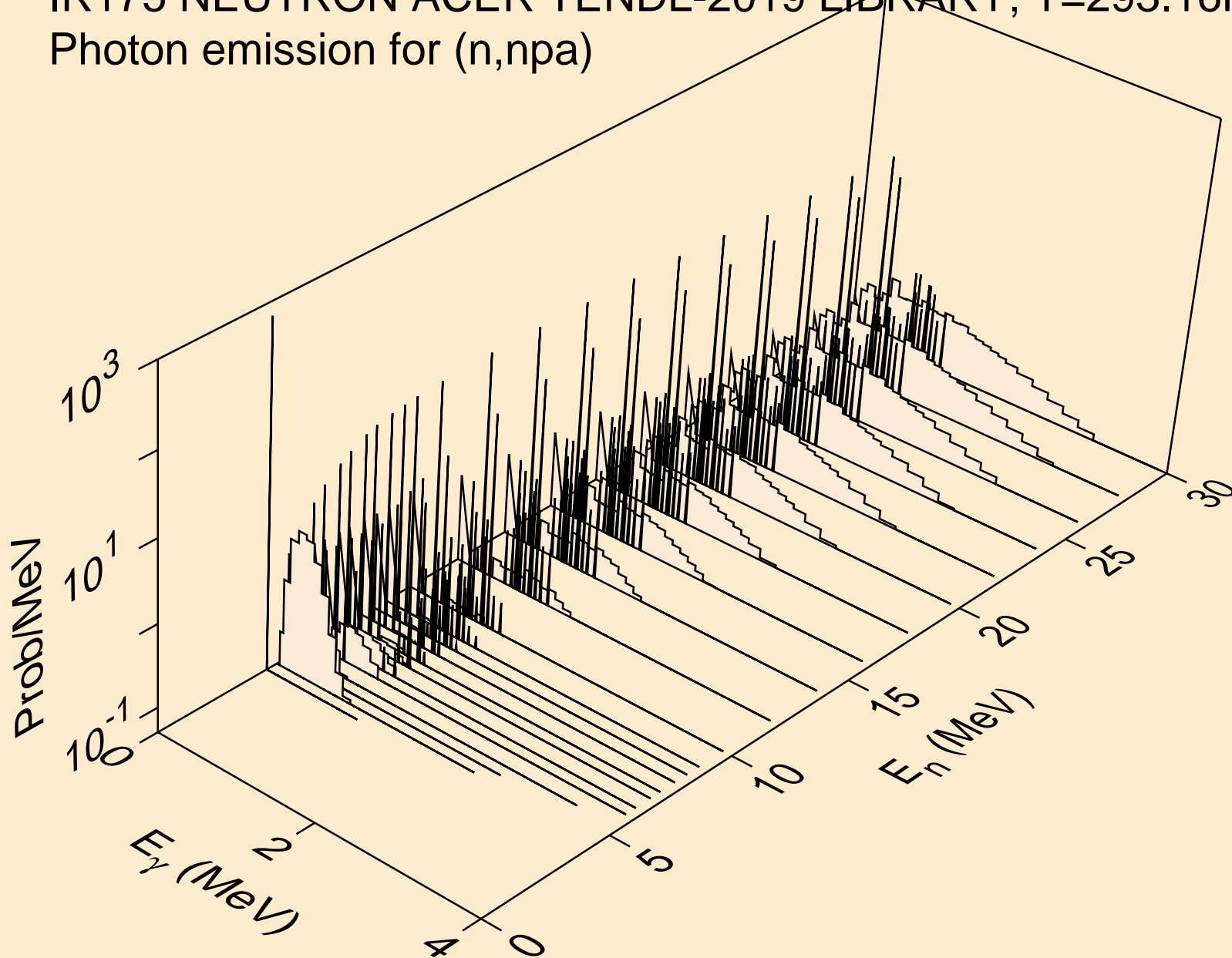
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



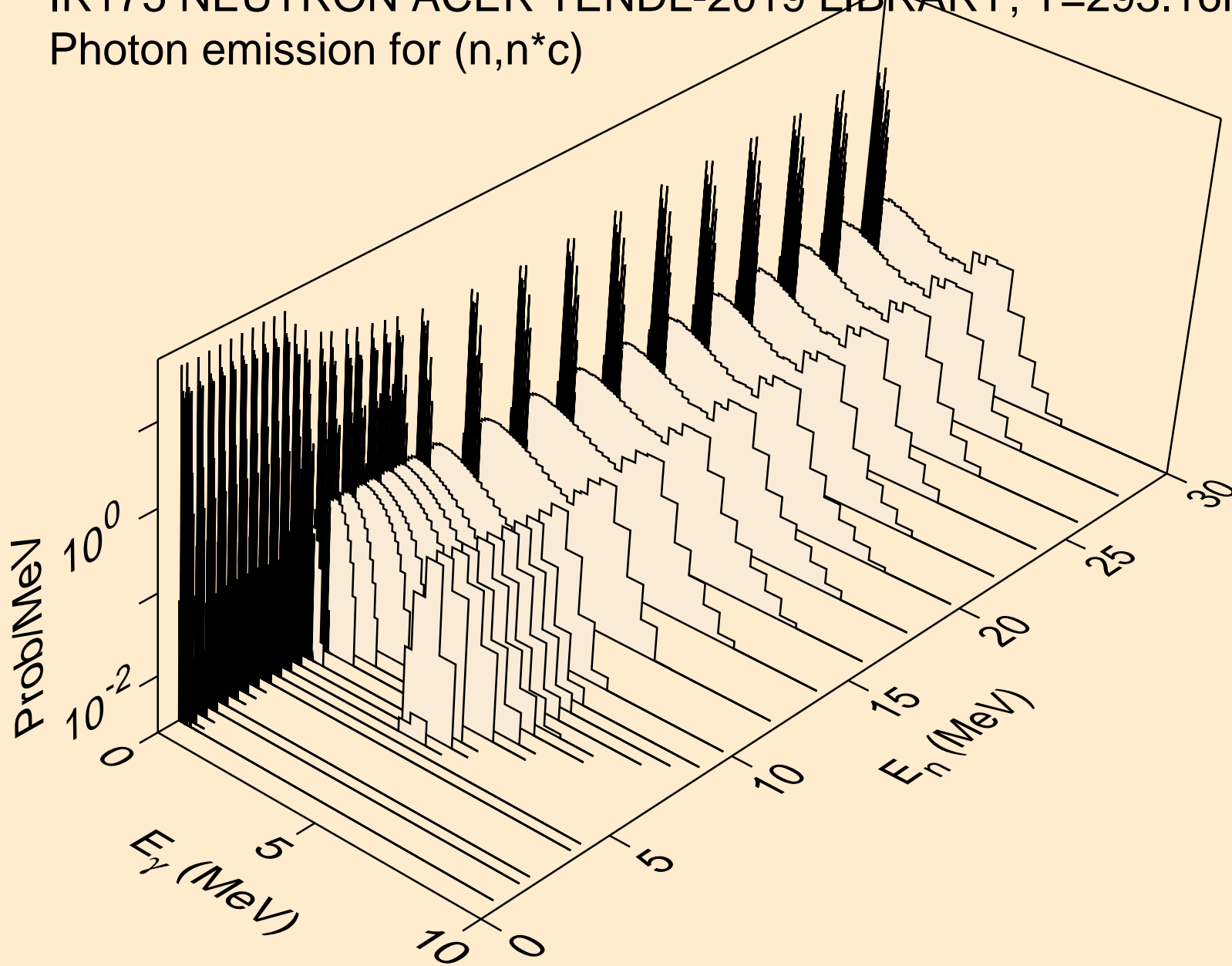
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



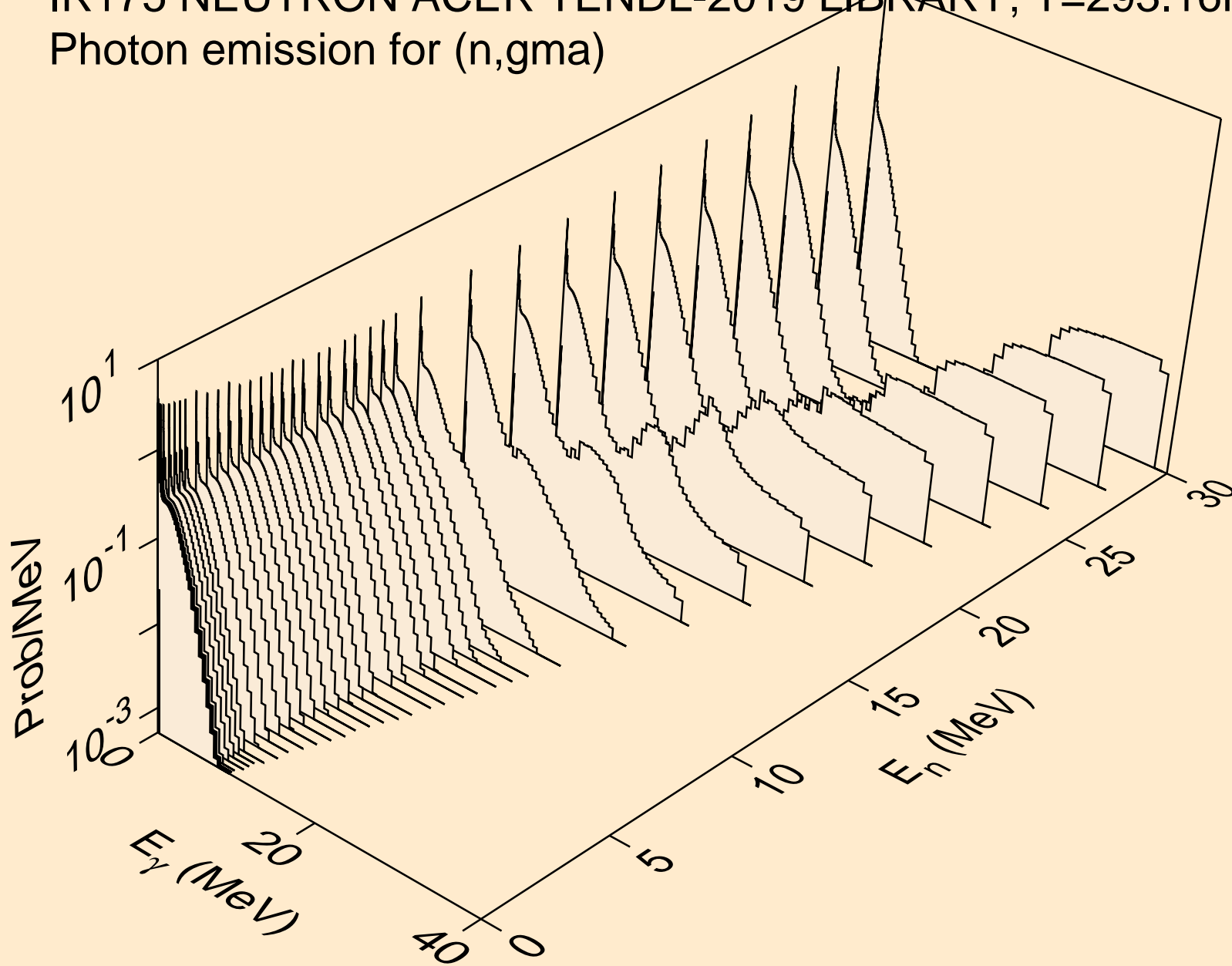
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

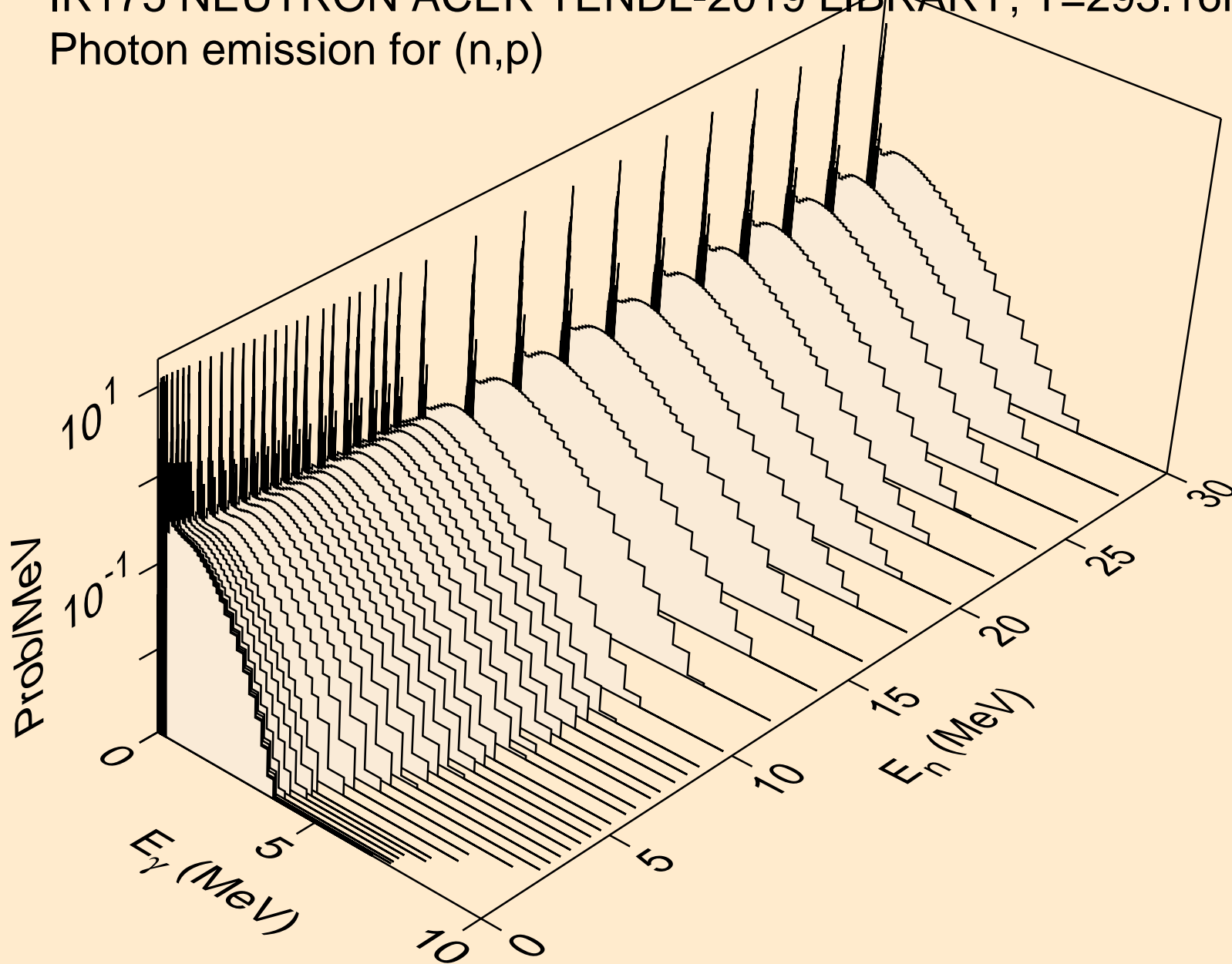


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

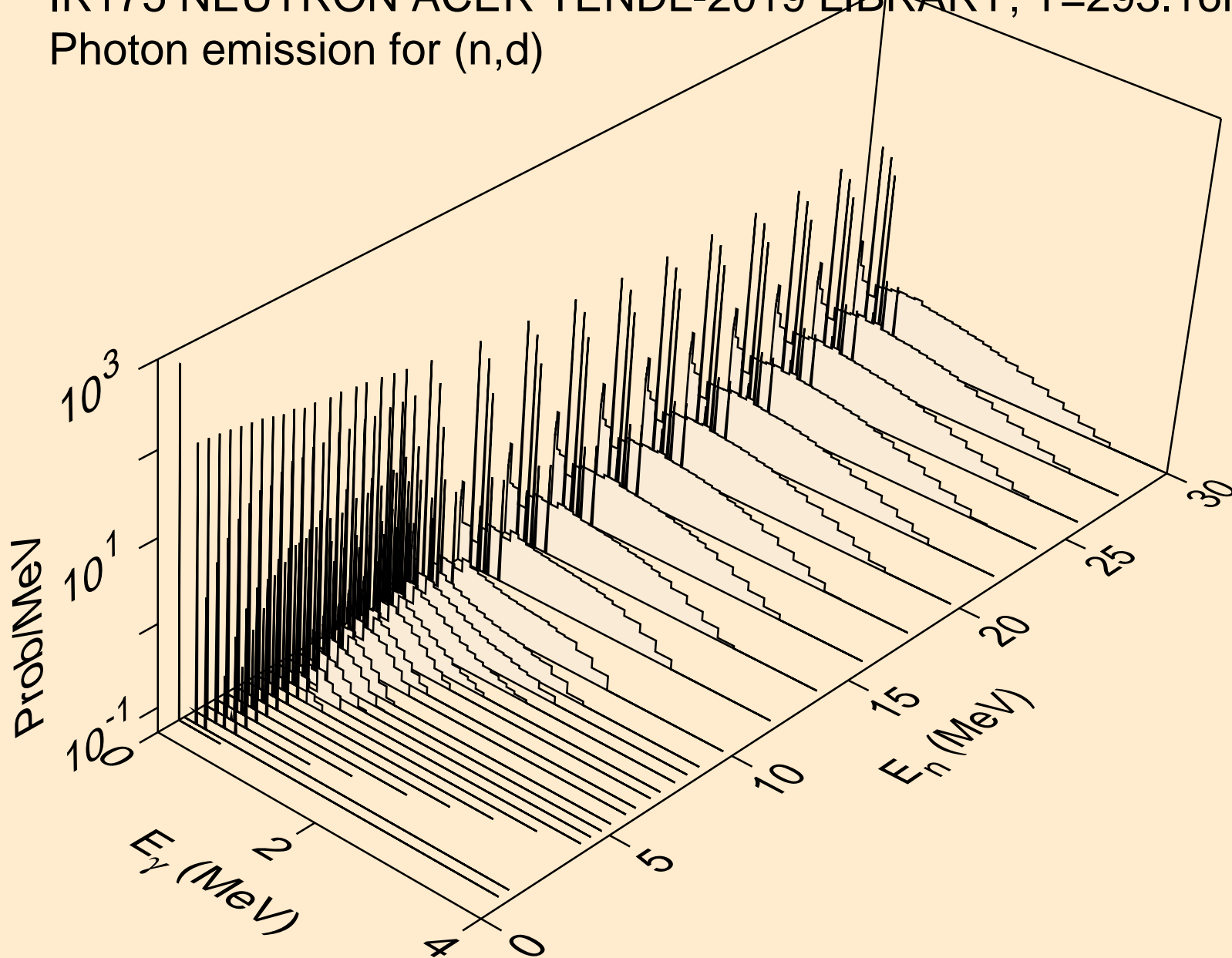




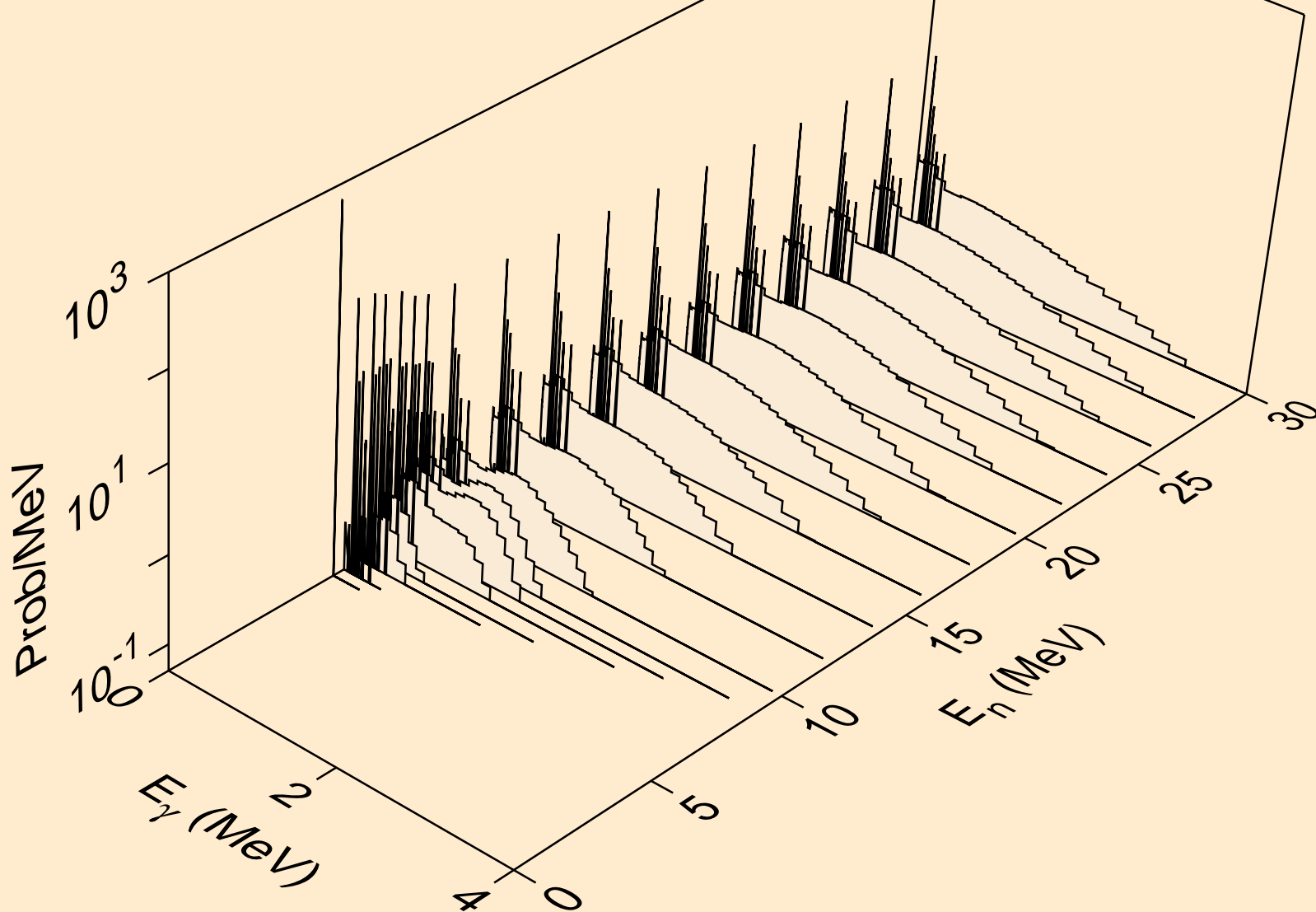
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



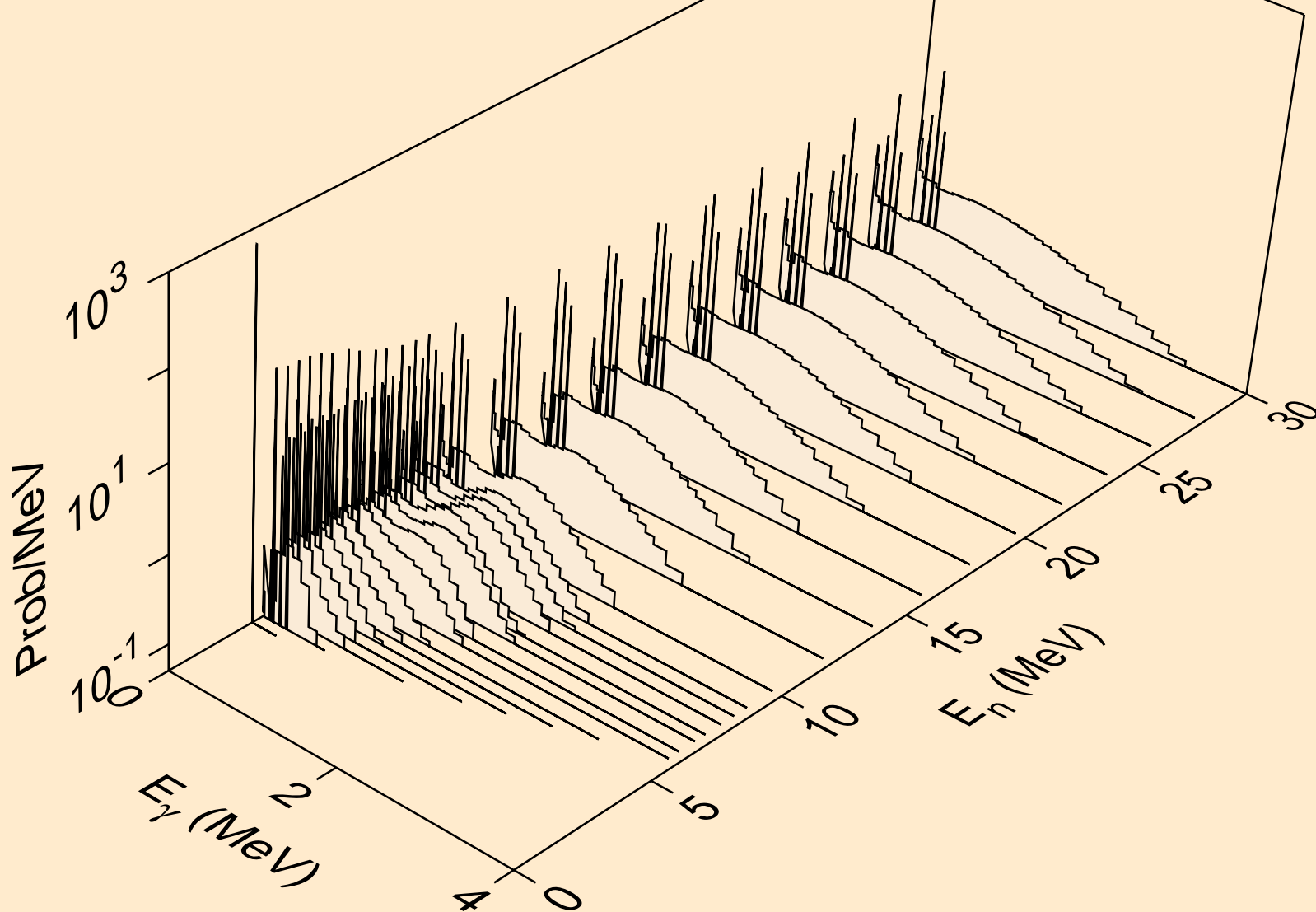
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



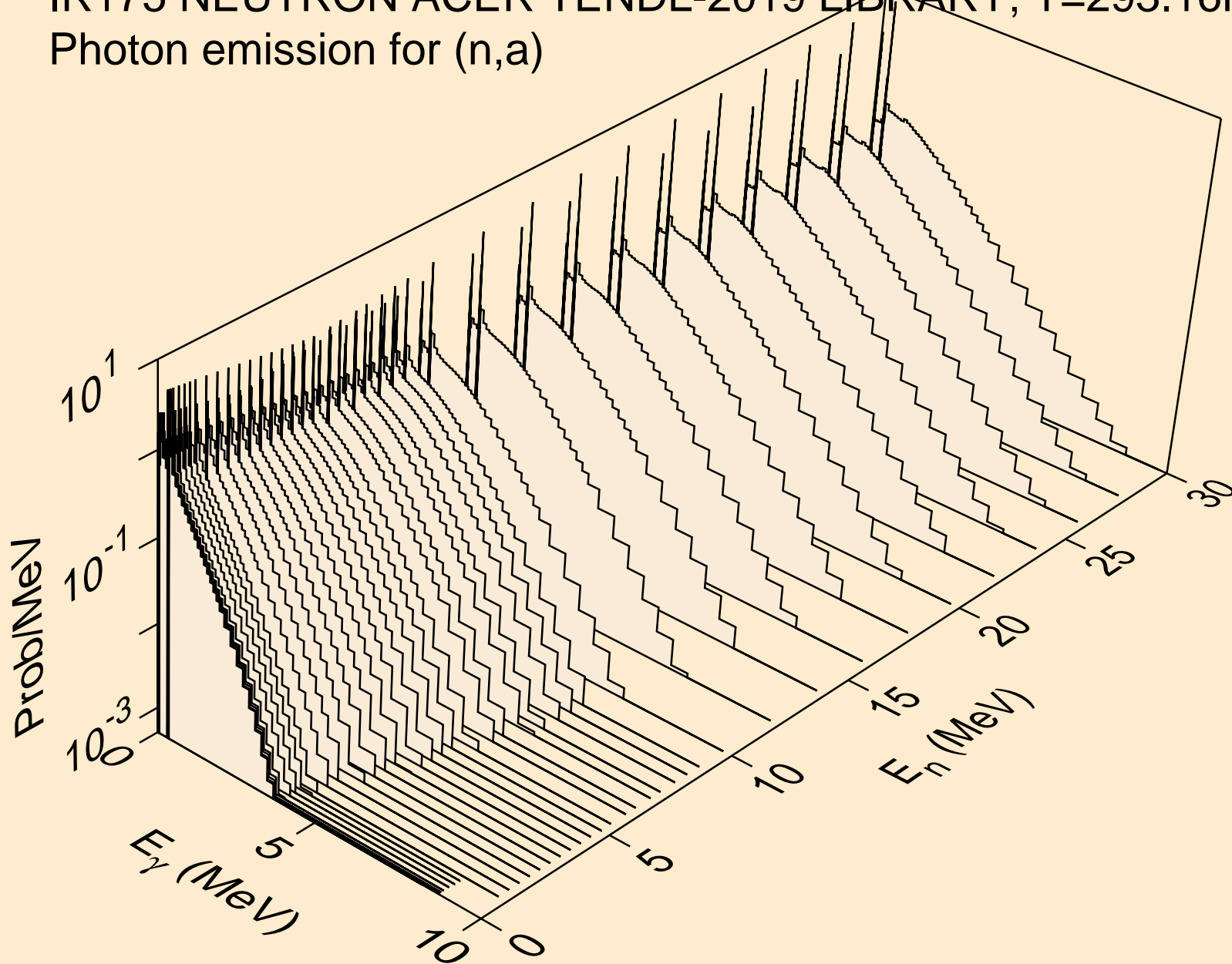
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



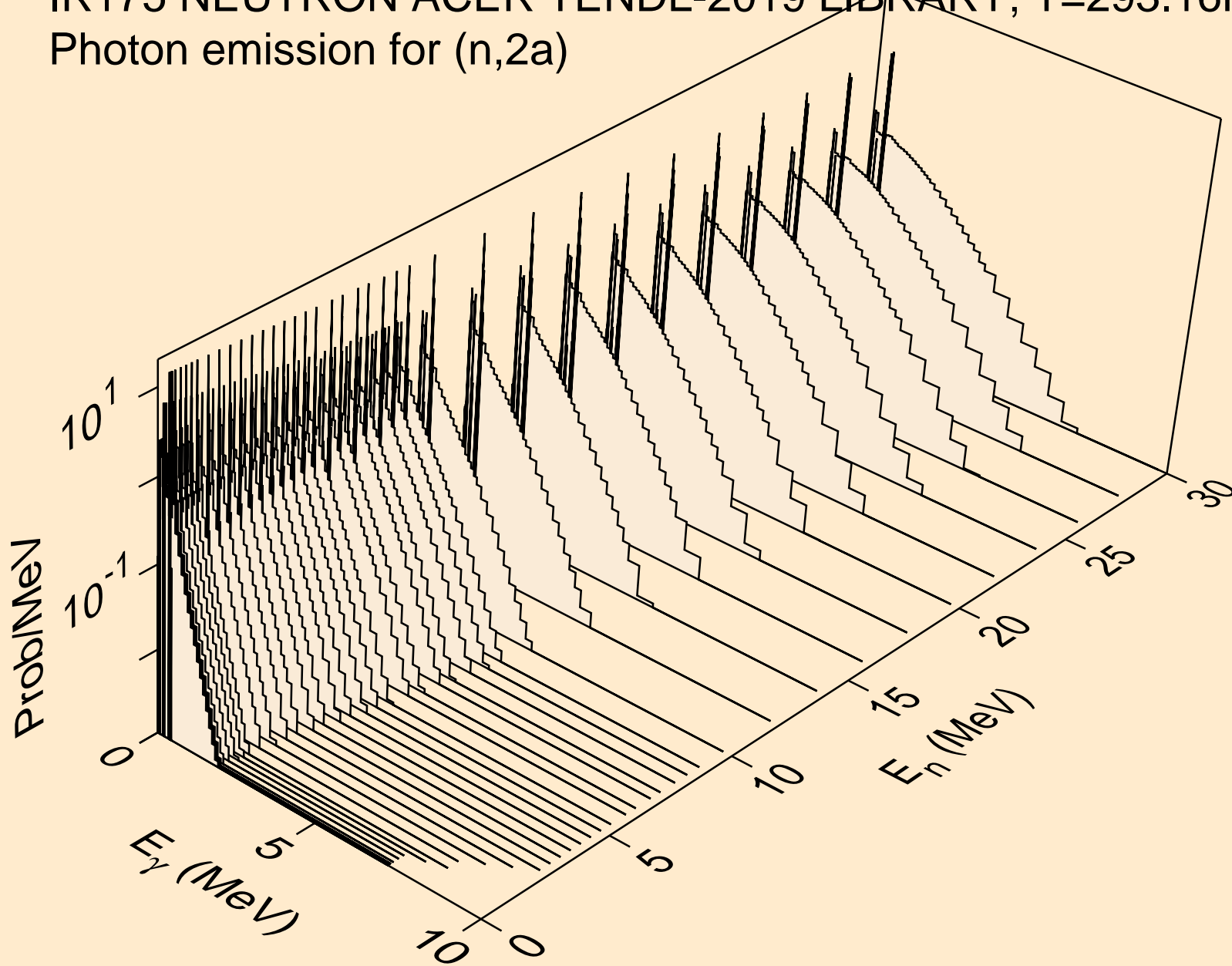
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



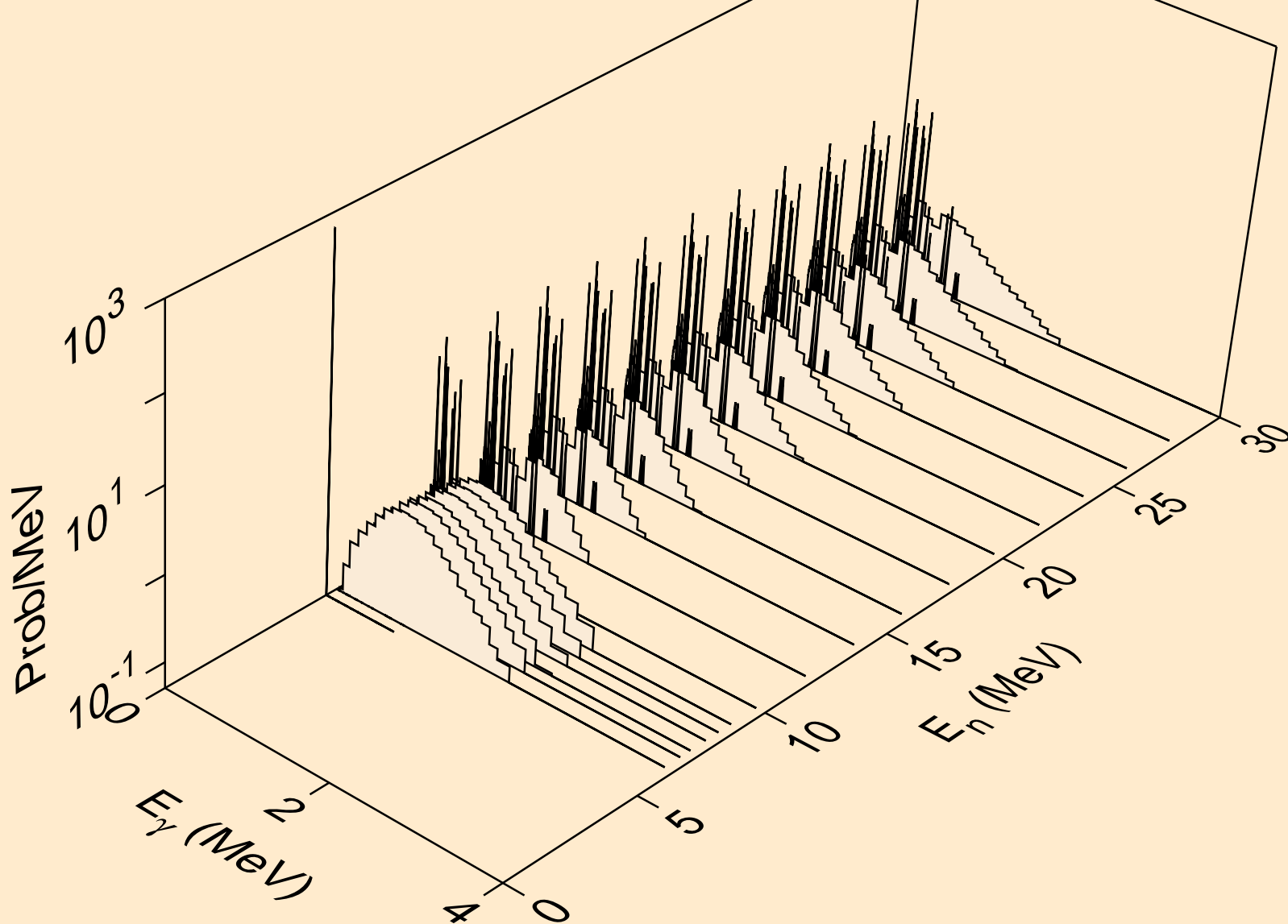
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



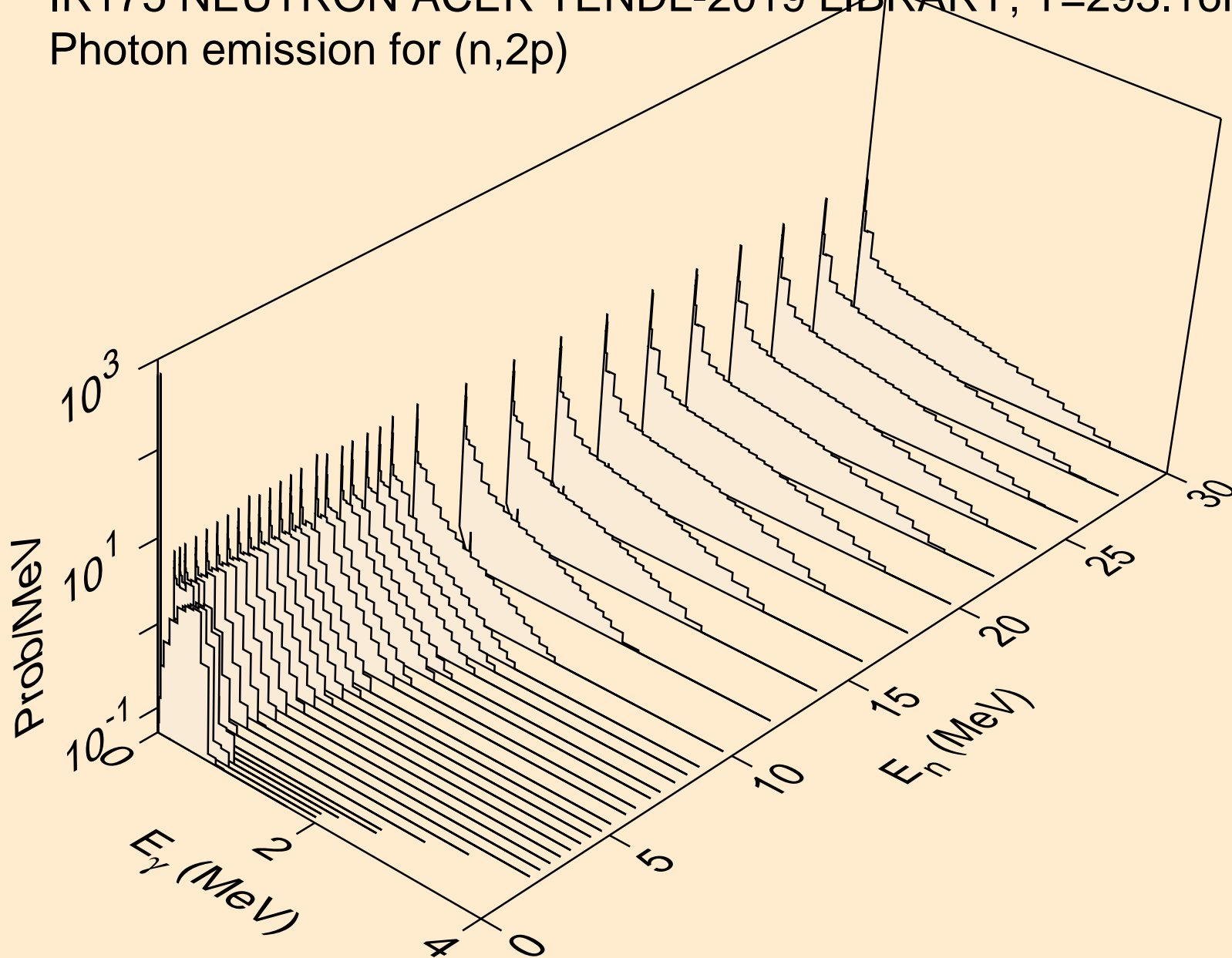
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3a)

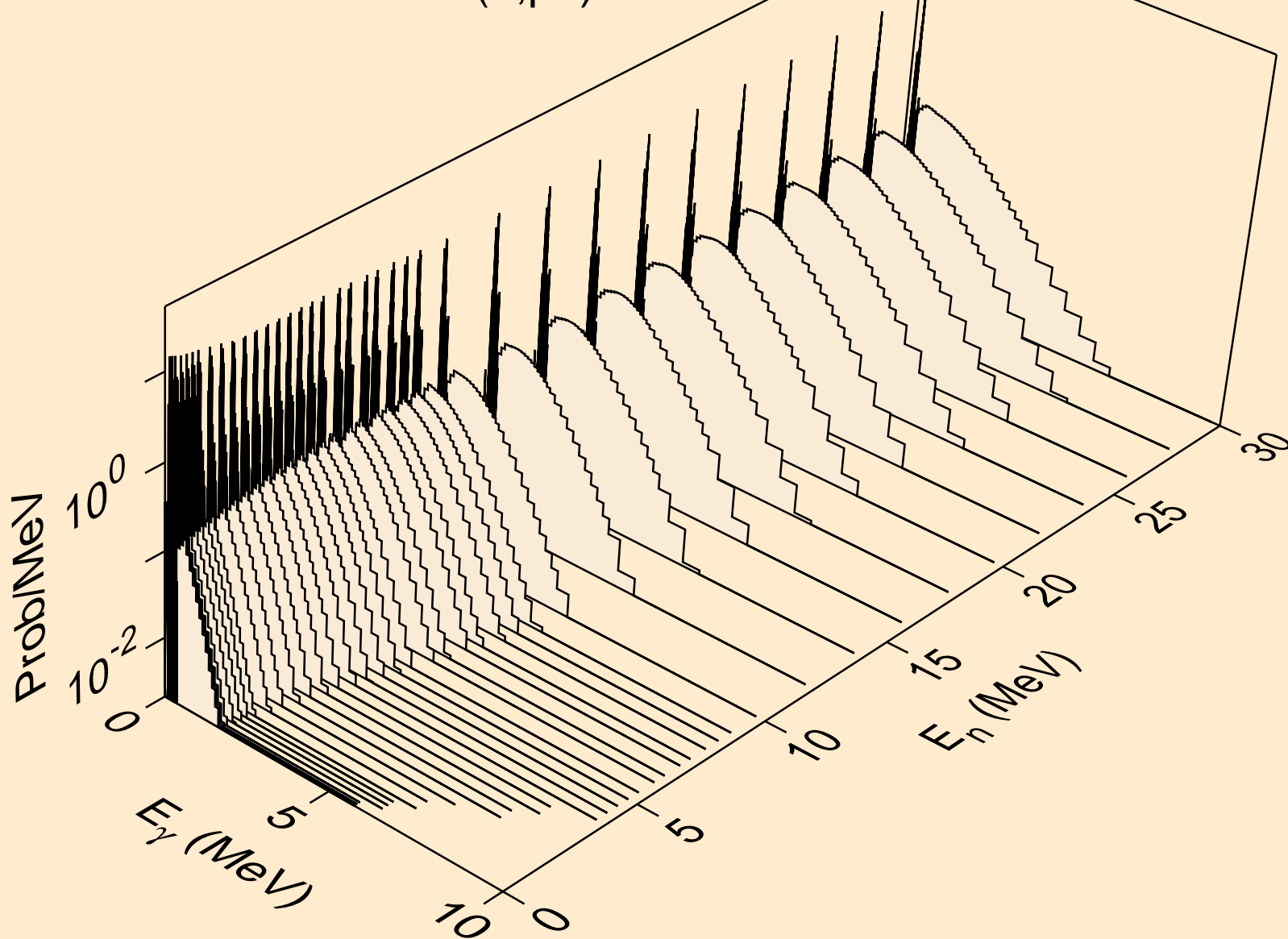


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

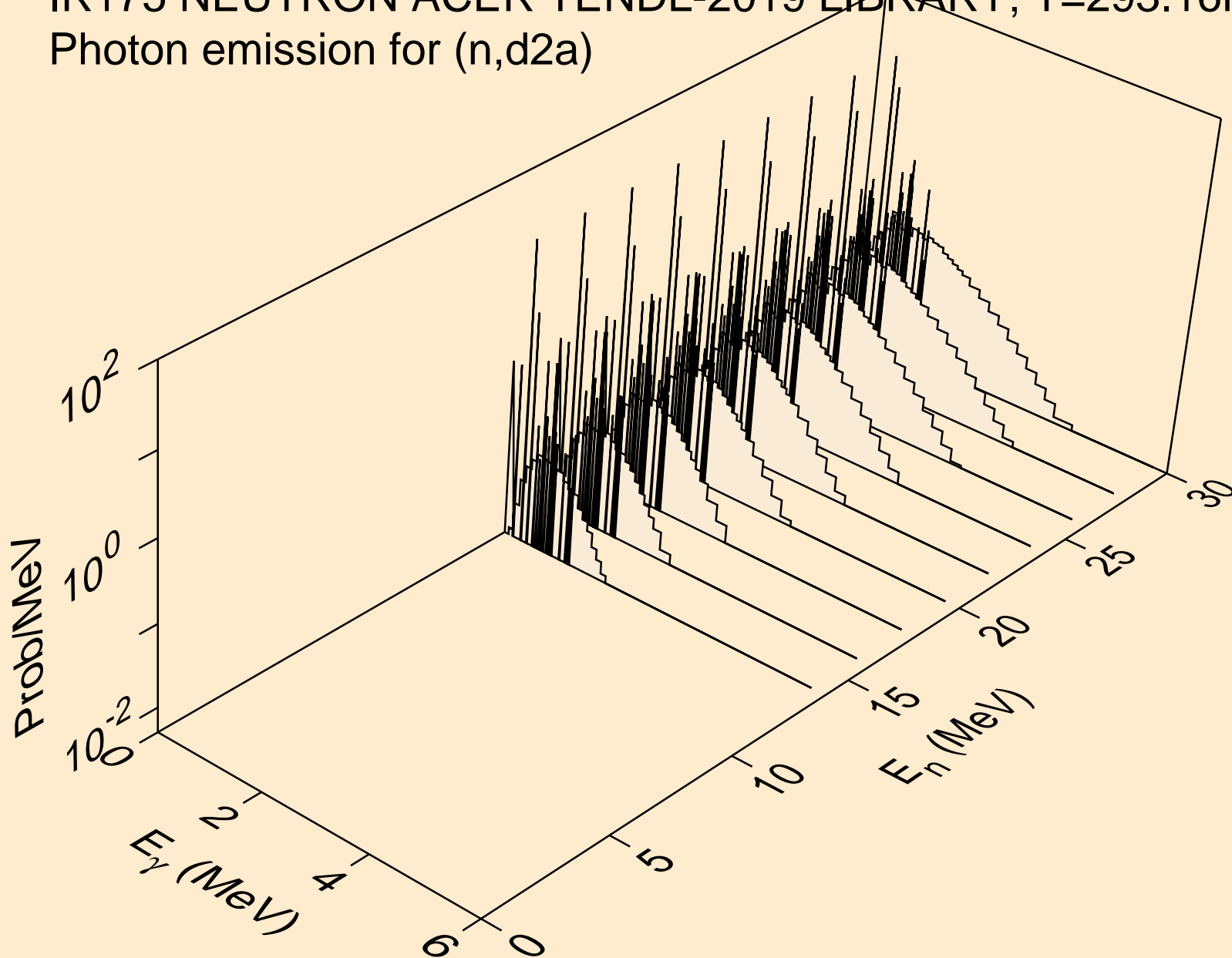




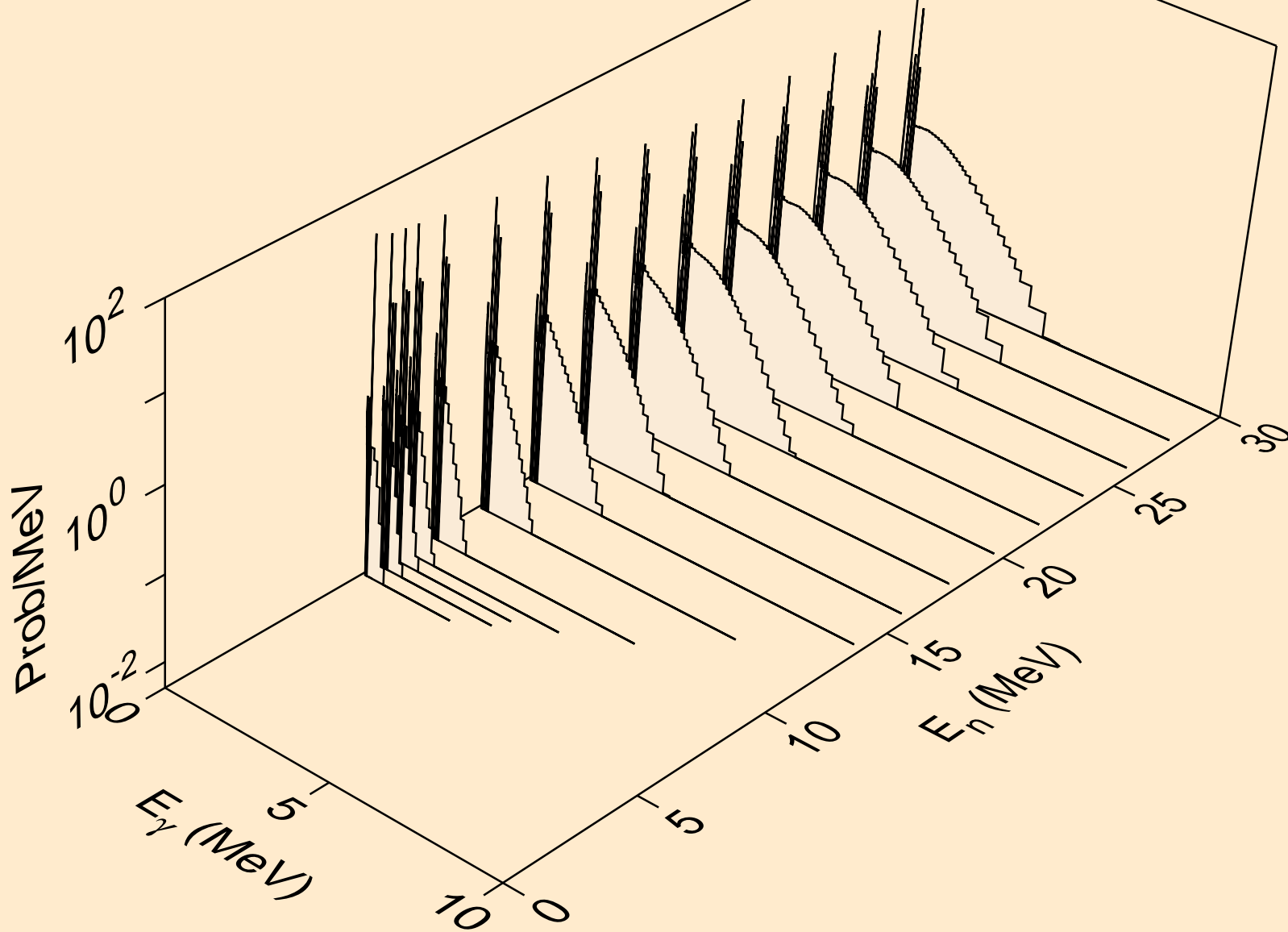
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



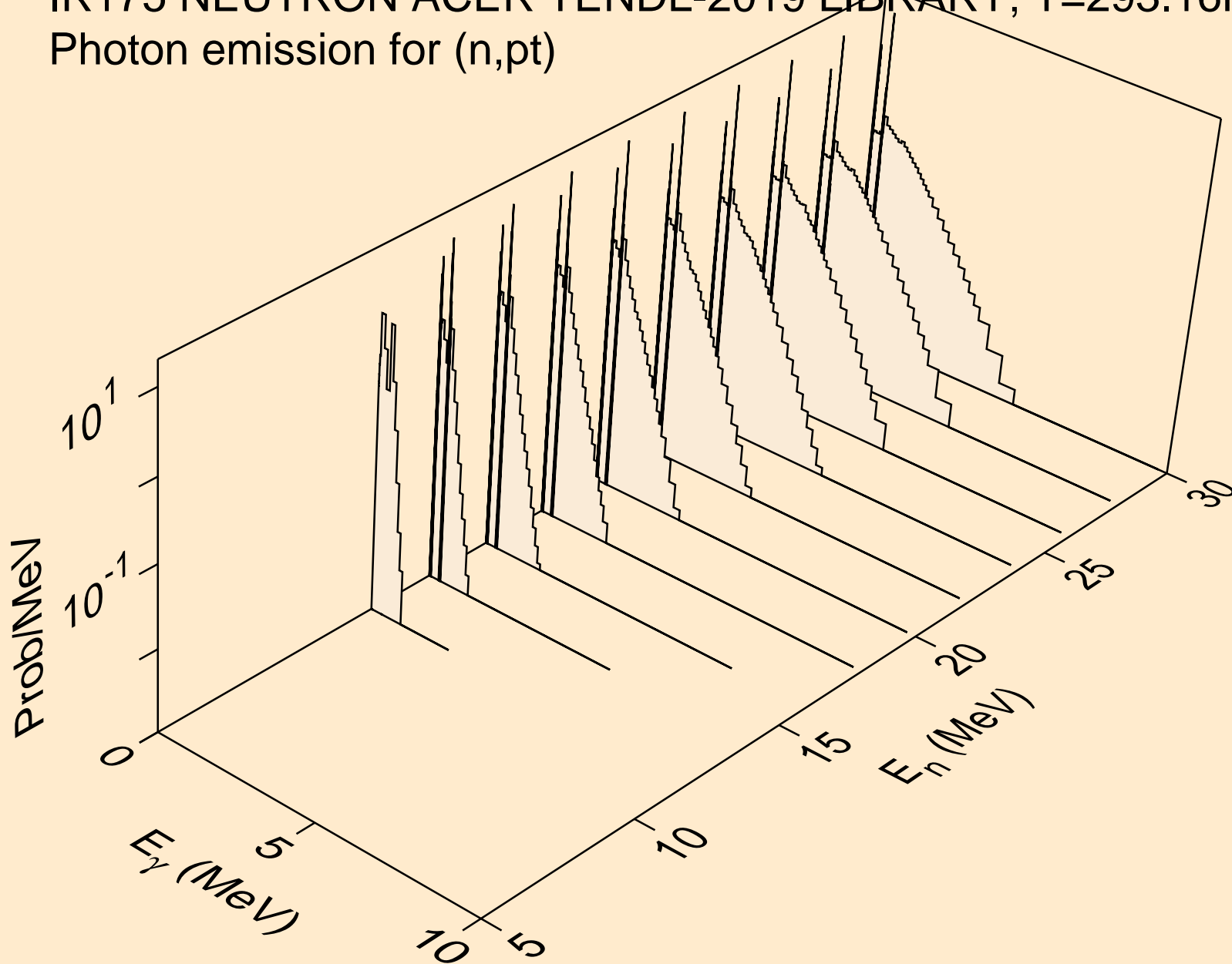
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d2a)



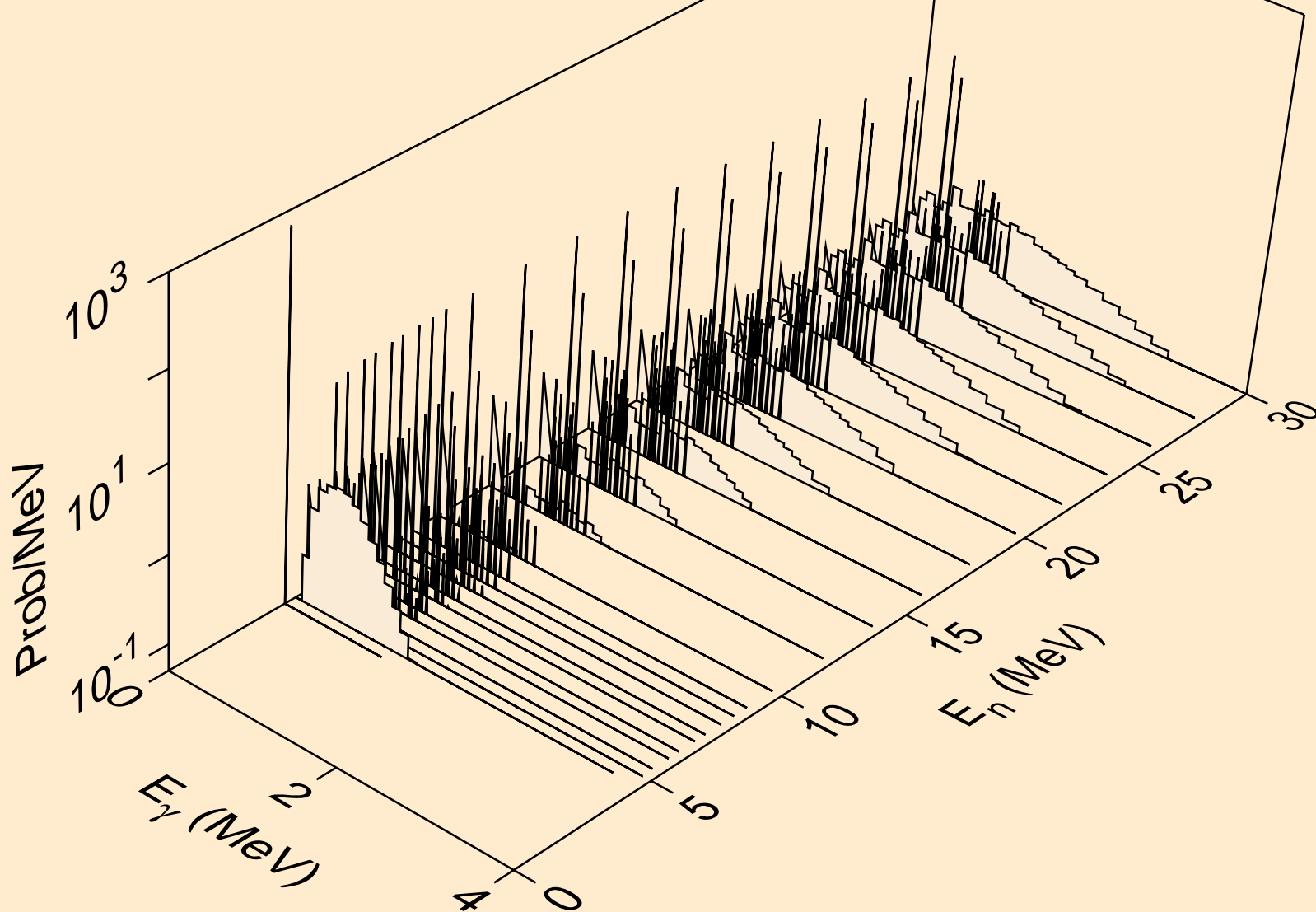
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



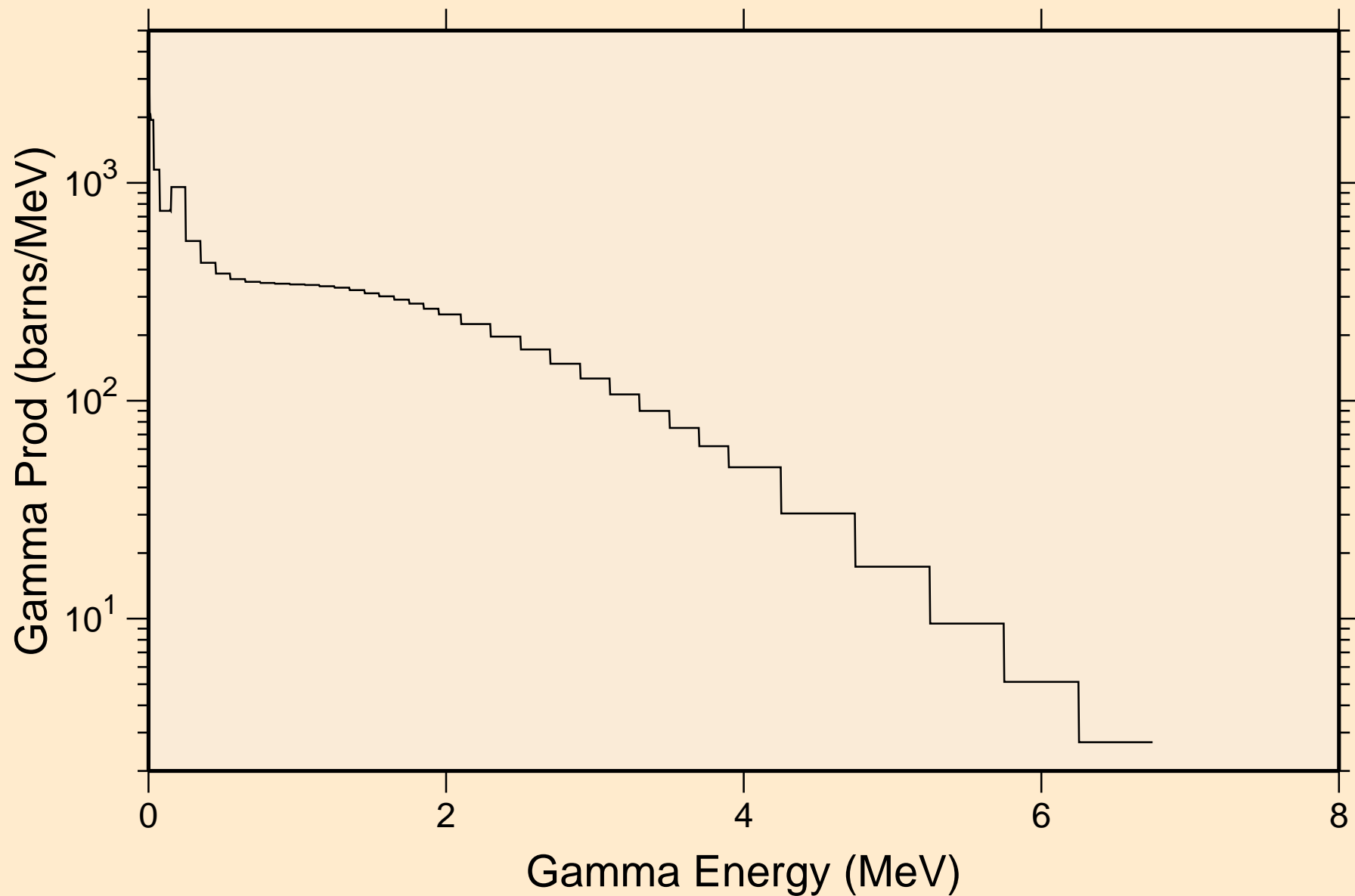
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



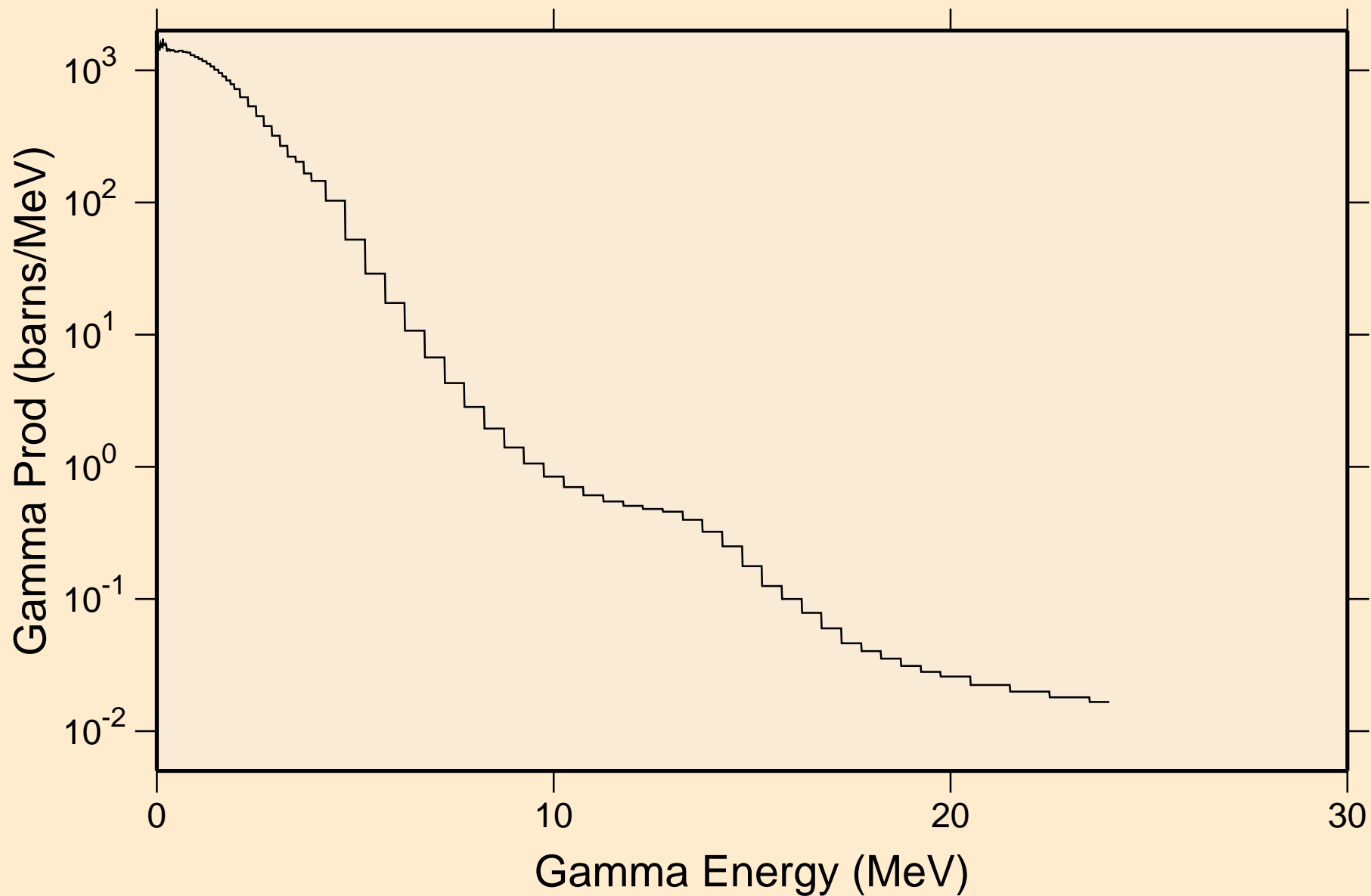
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



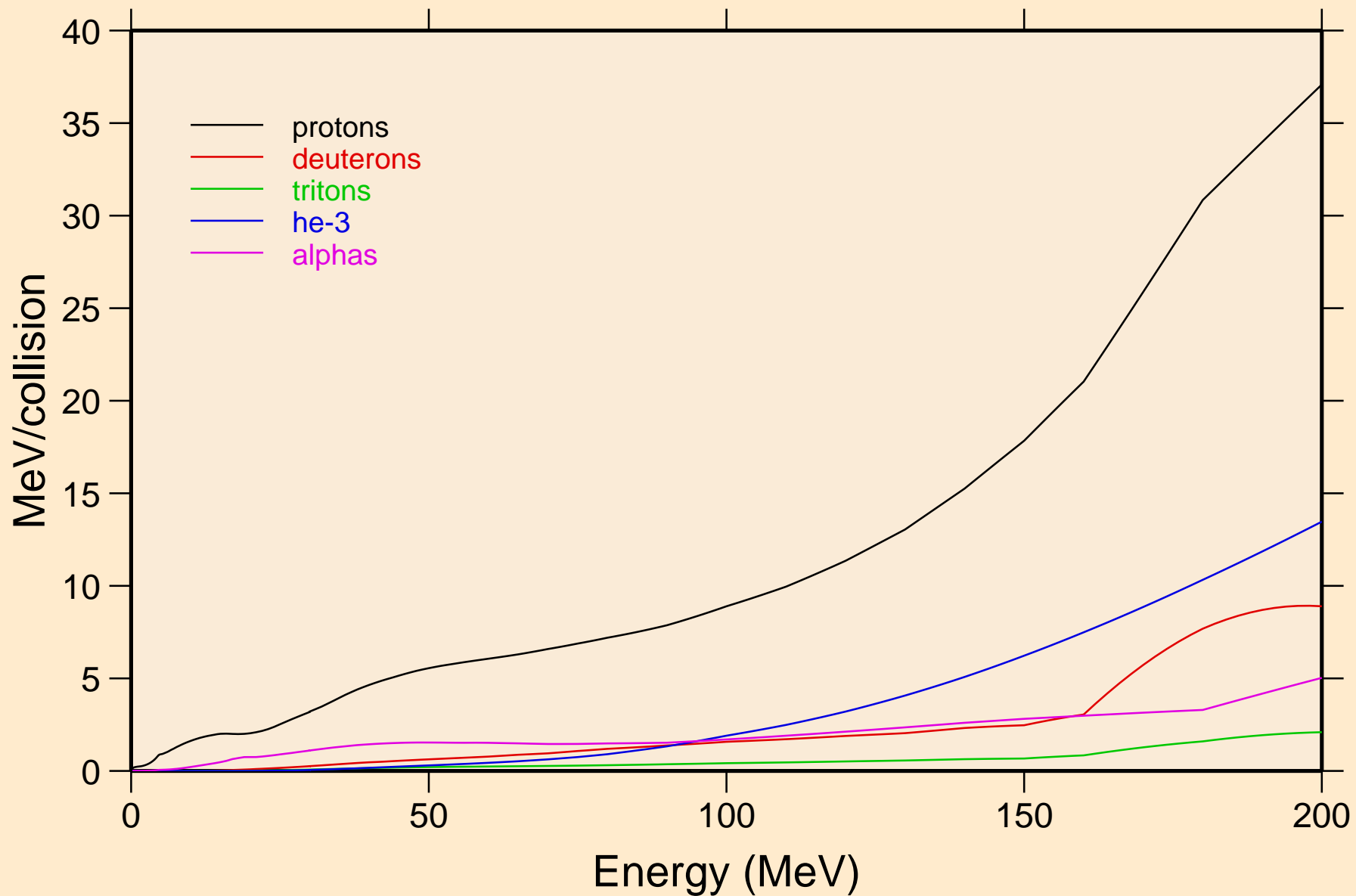
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

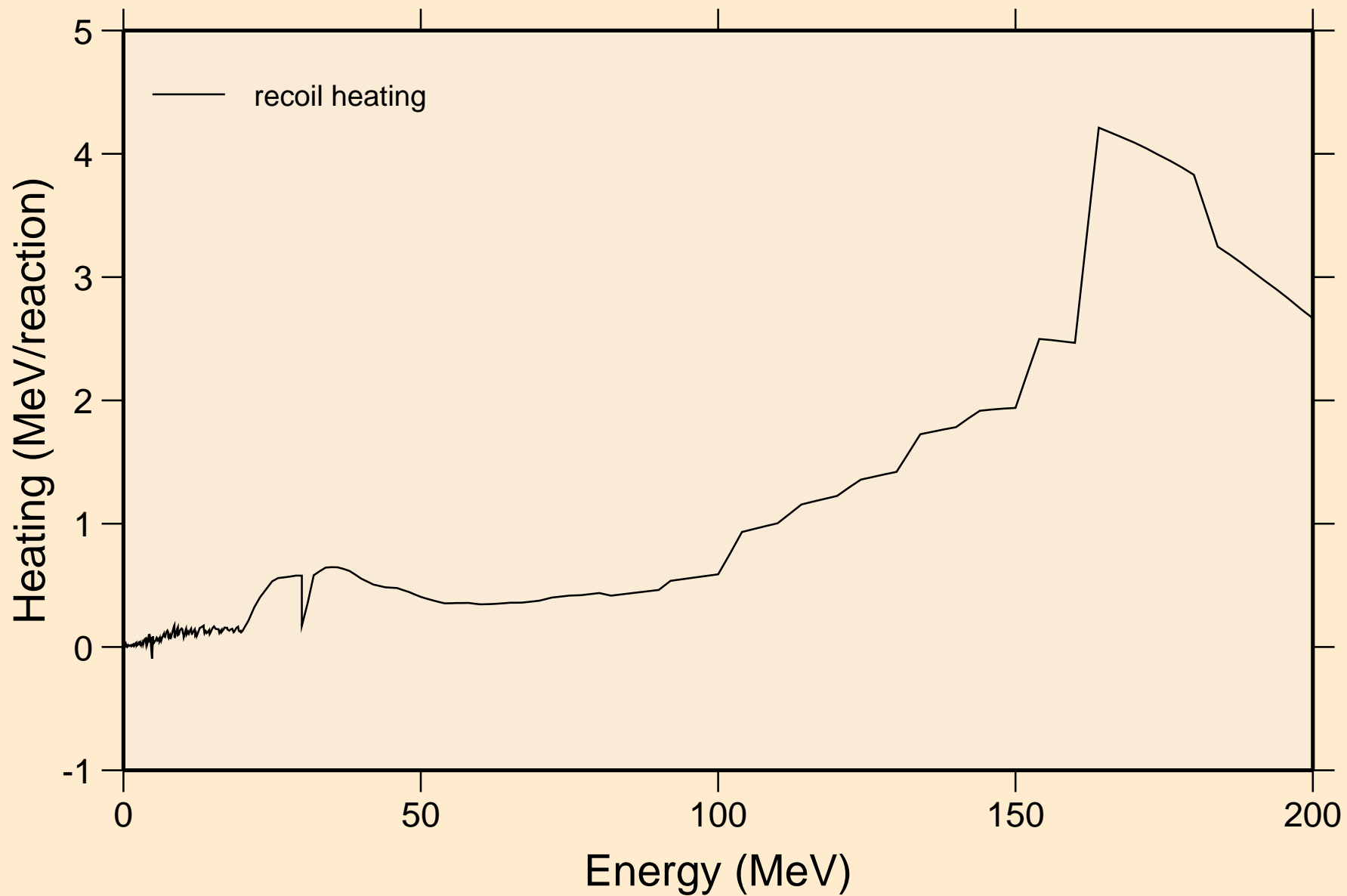


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

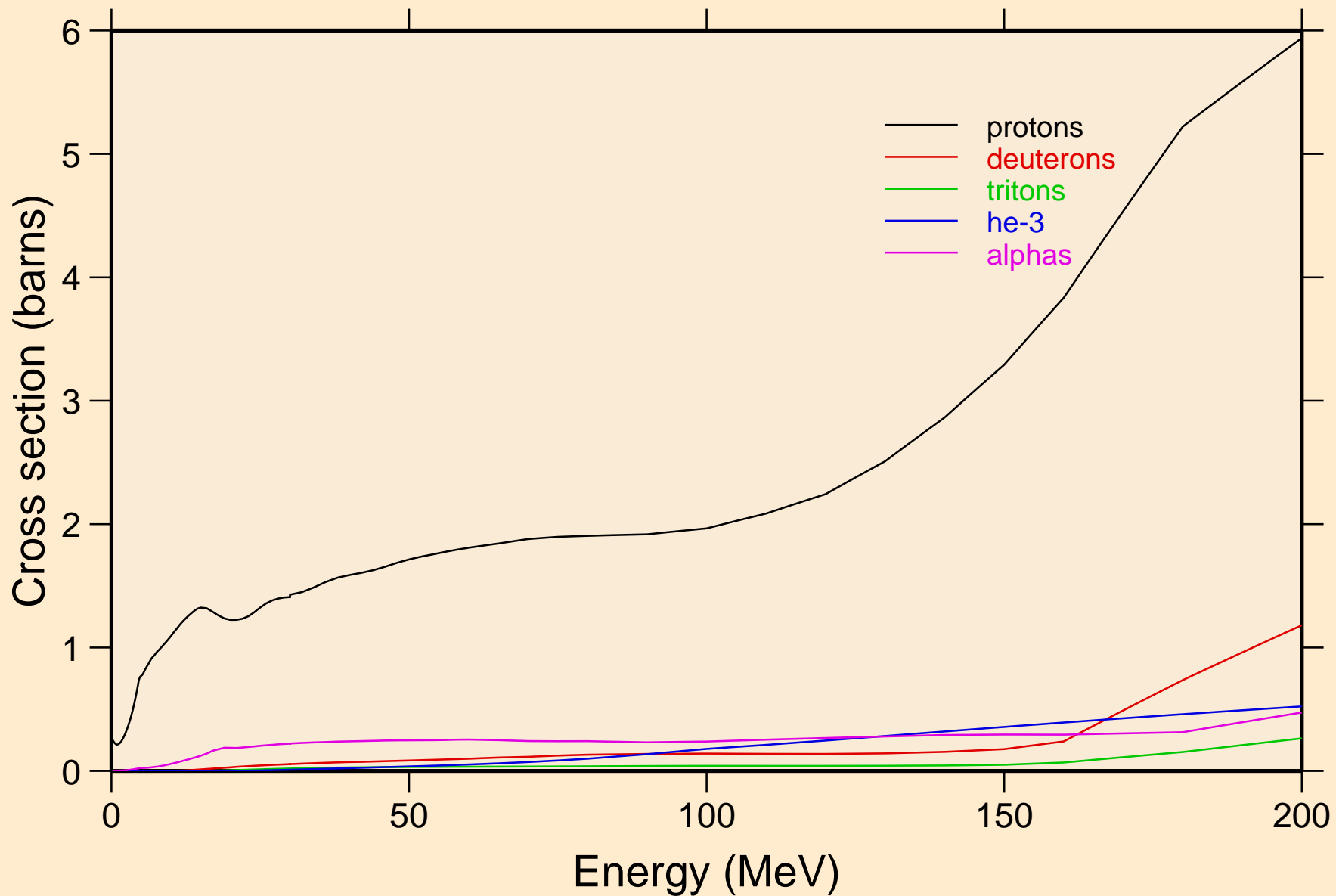




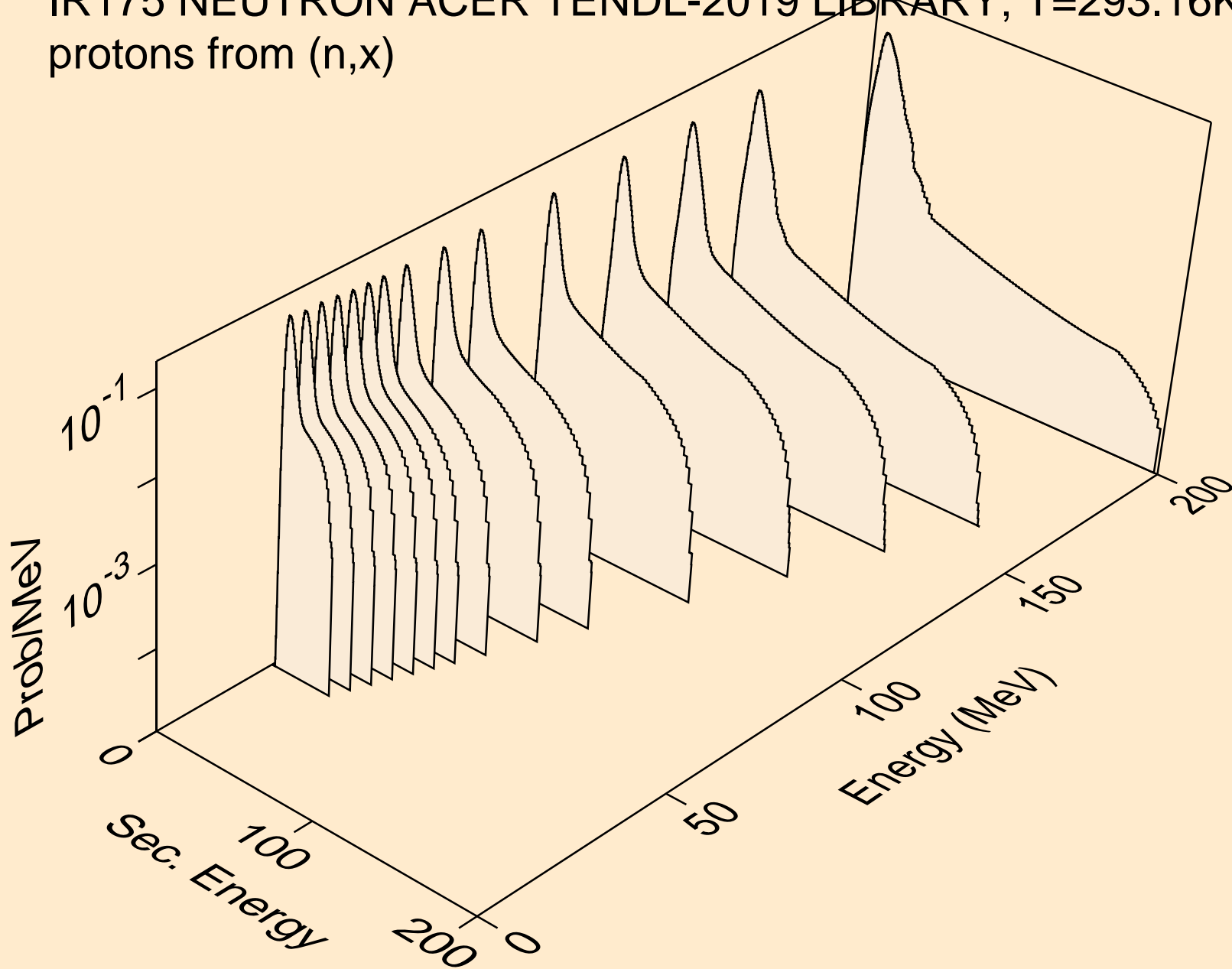
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



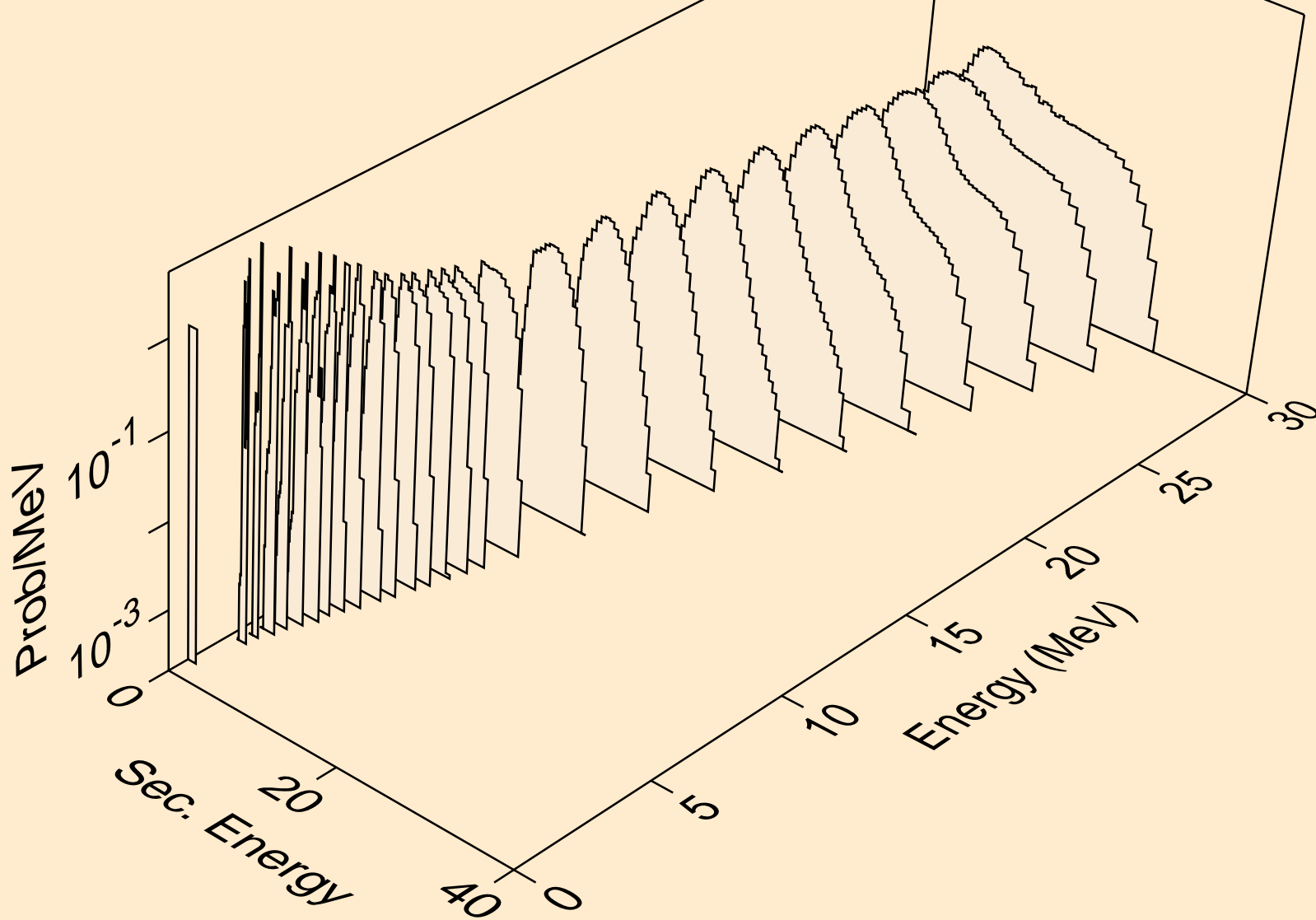
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



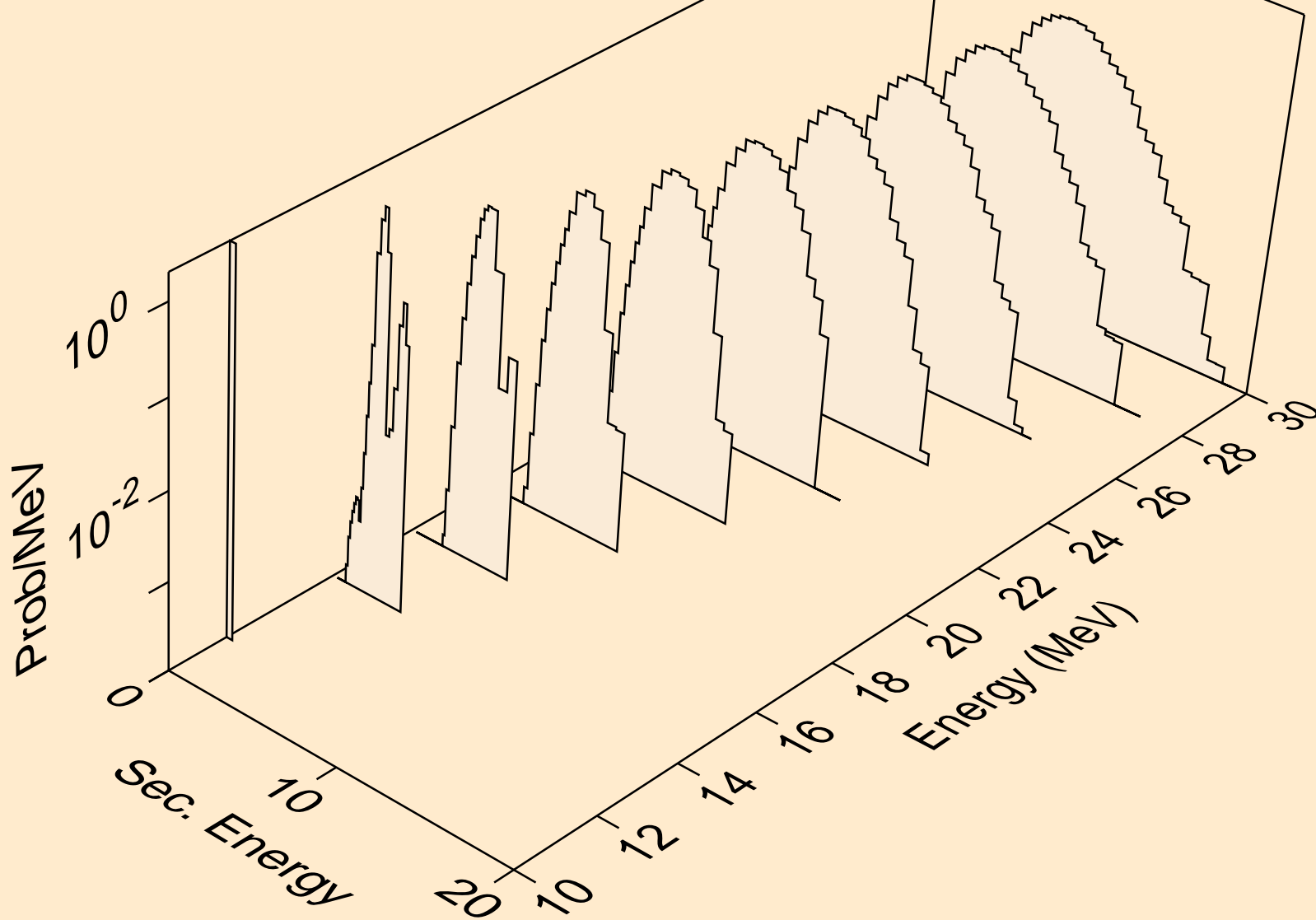
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



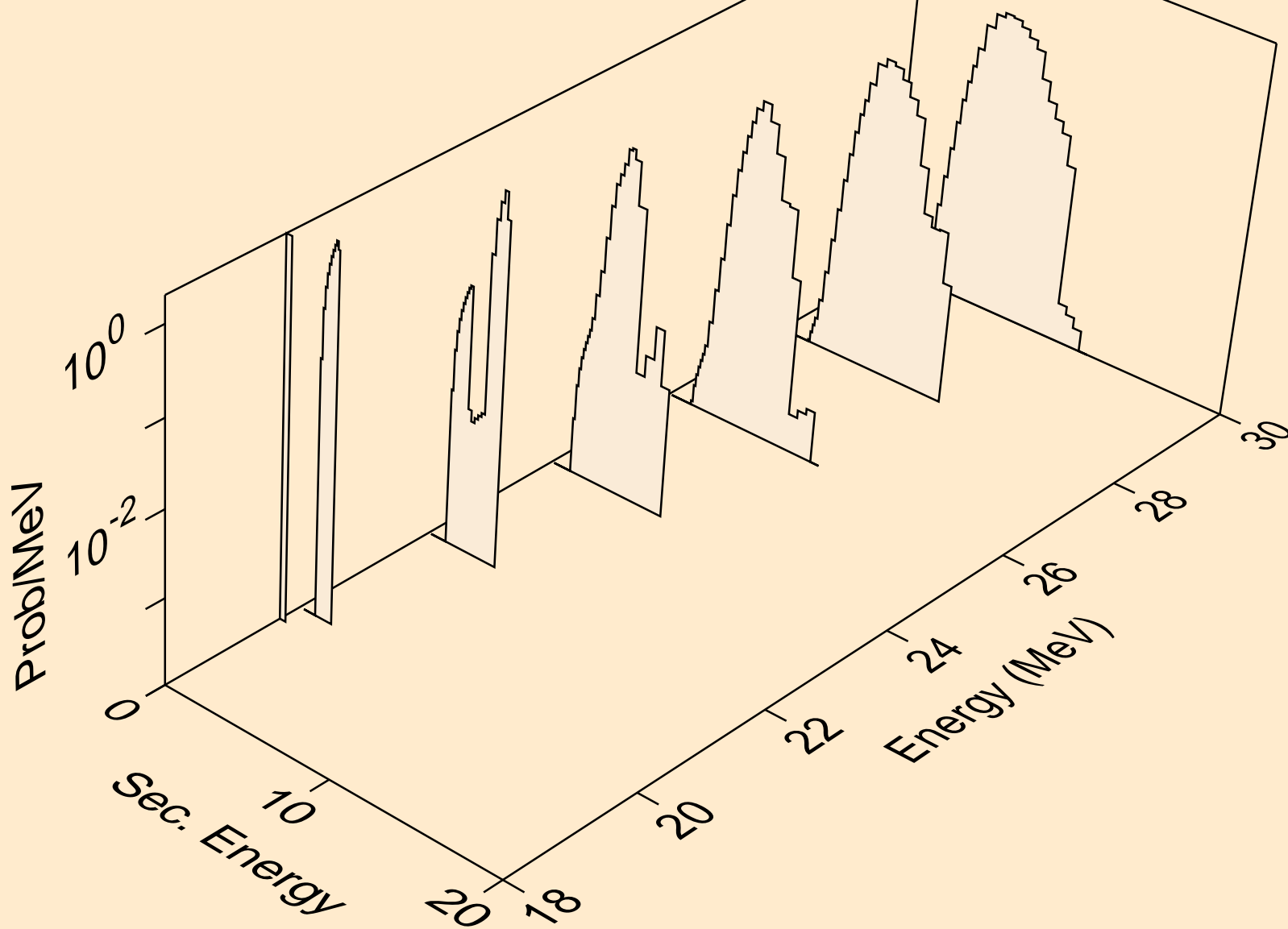
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



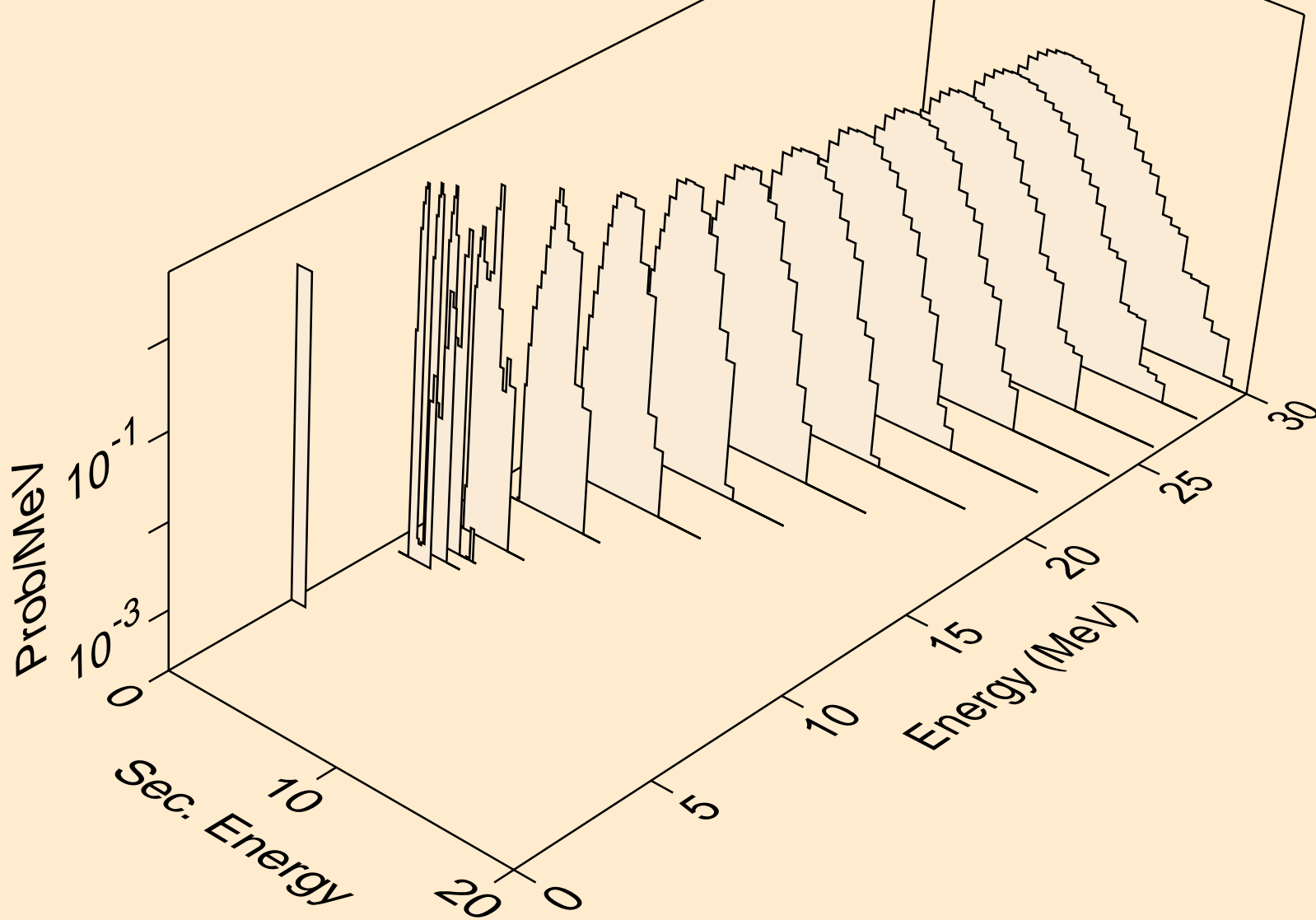
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



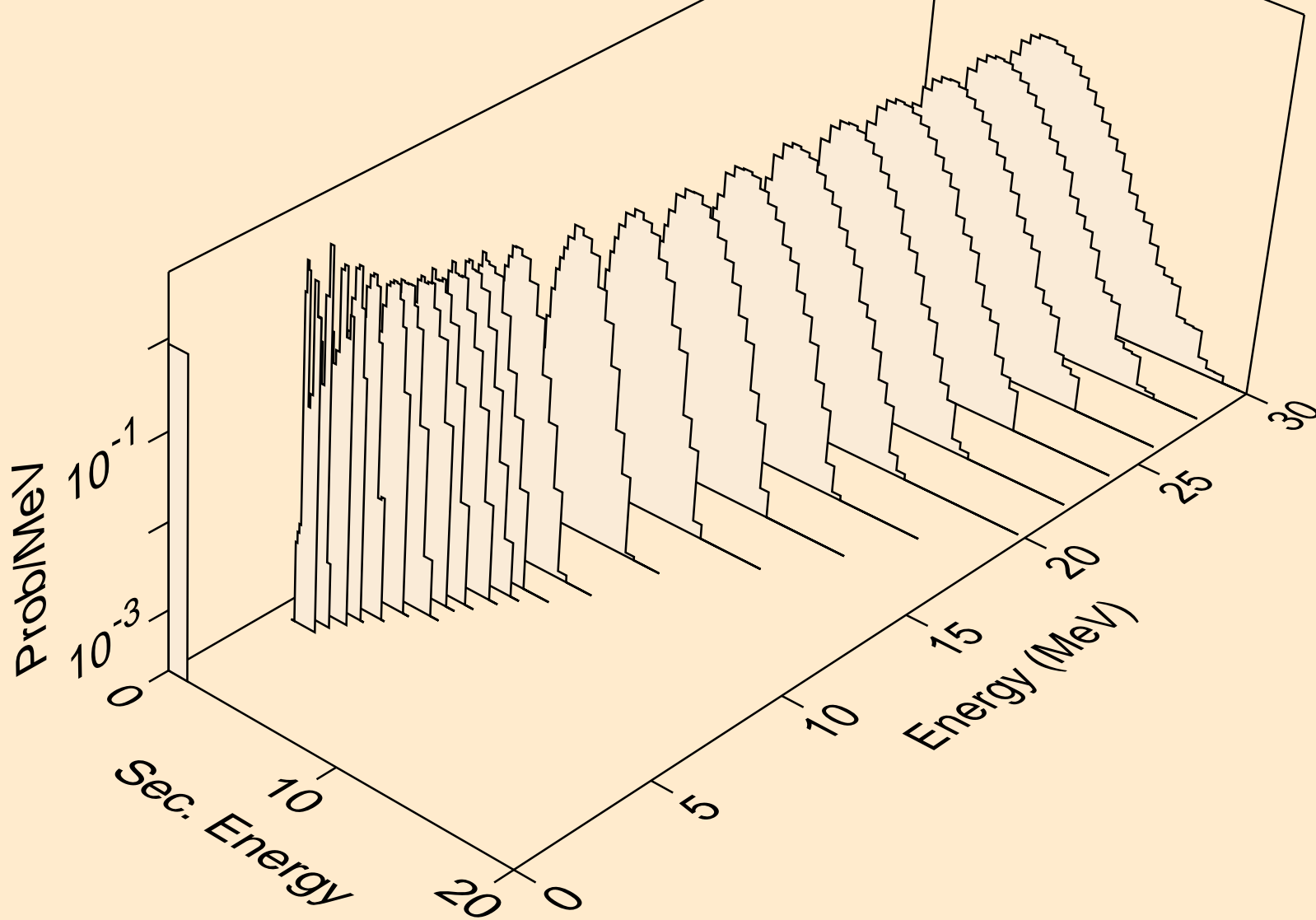
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

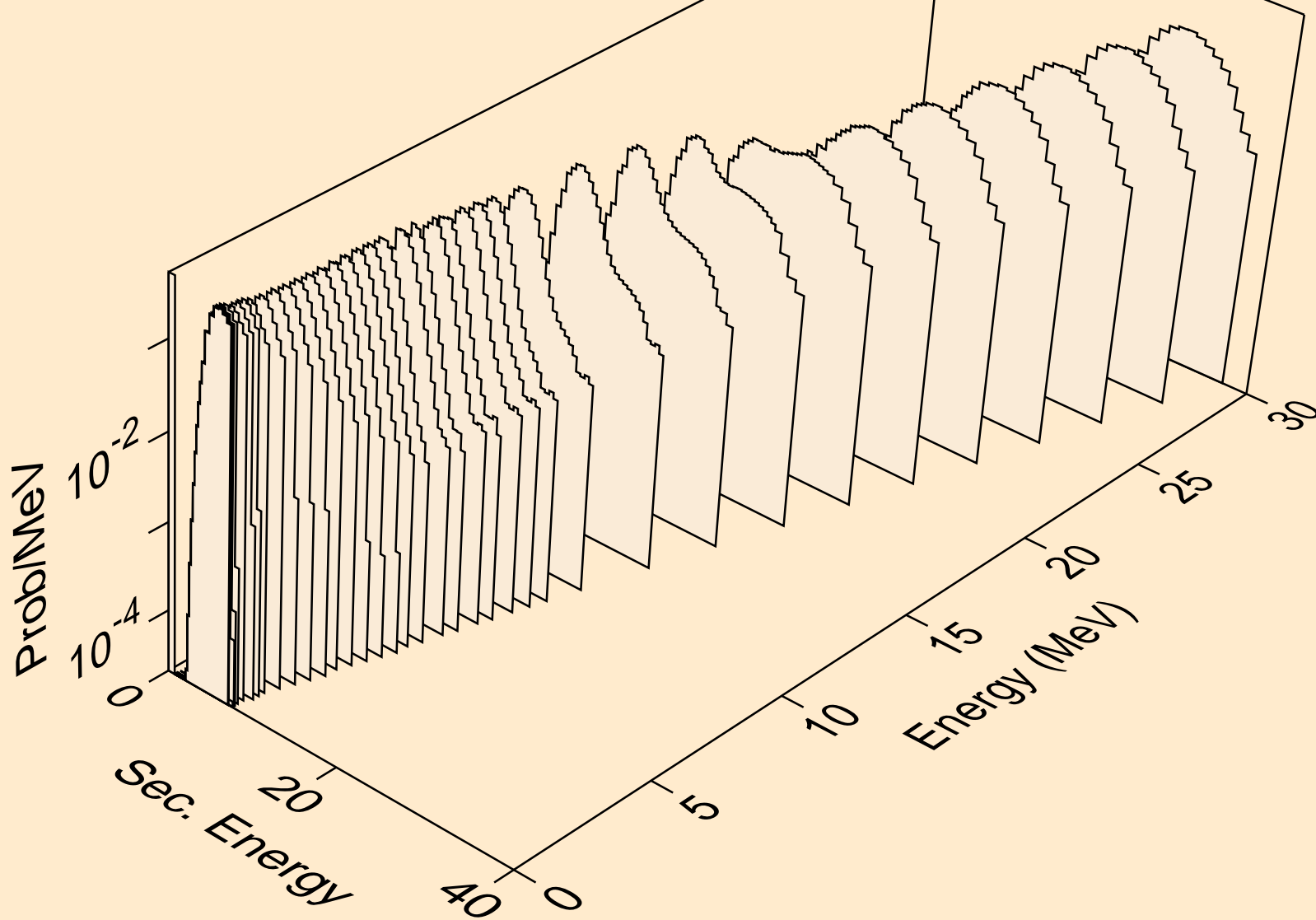


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protons from (n,npa)

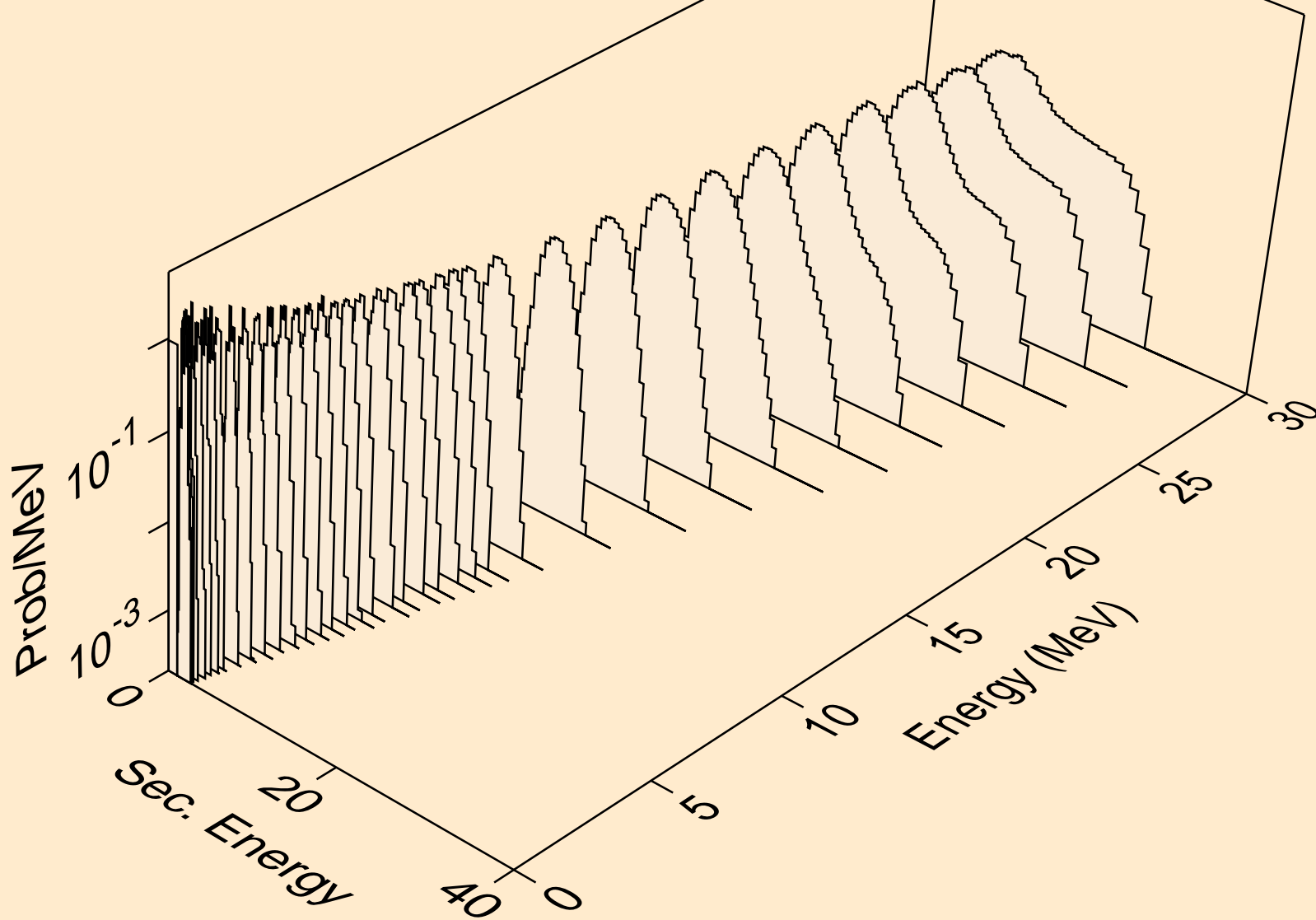




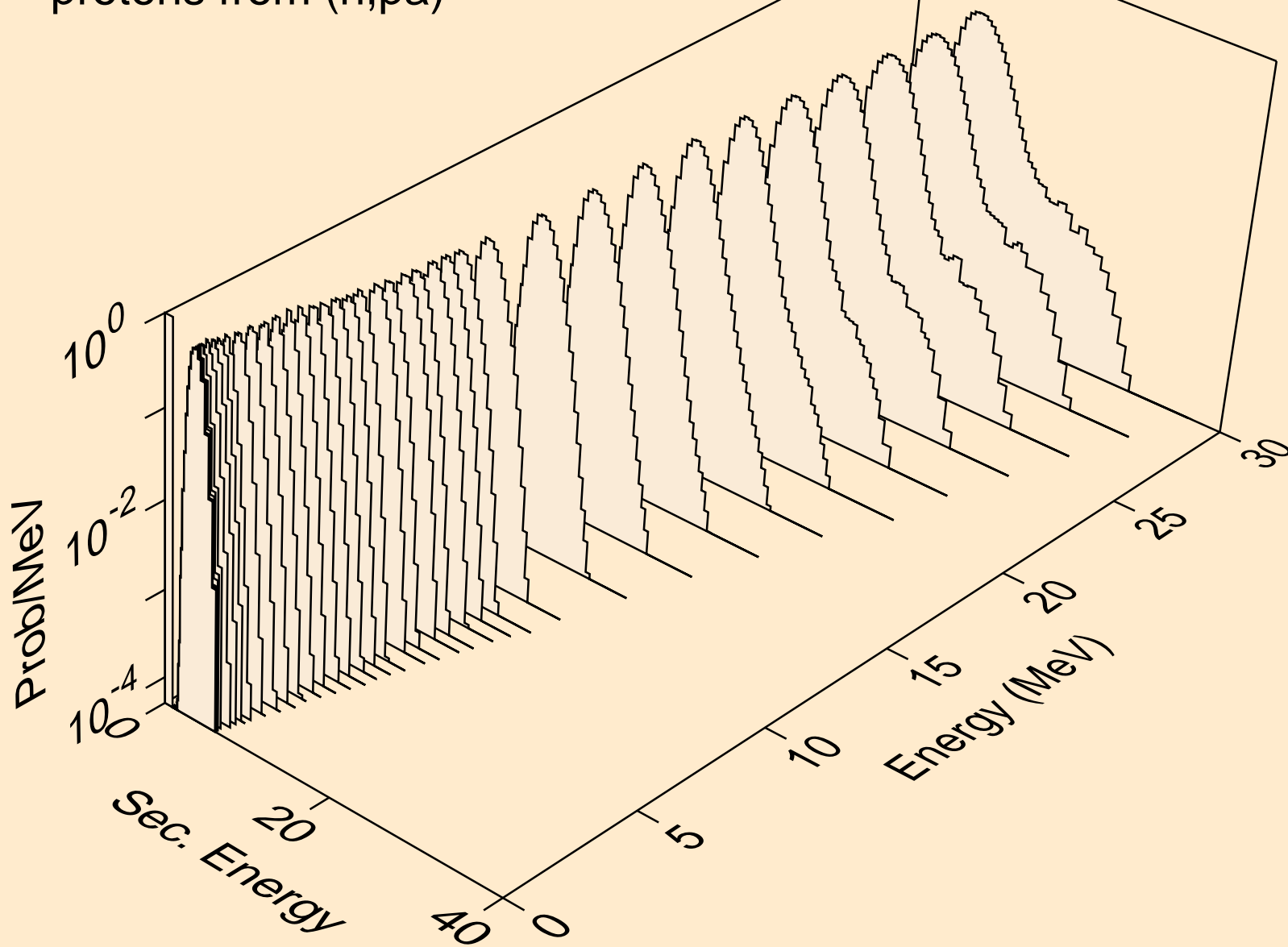
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protons from (n,p)



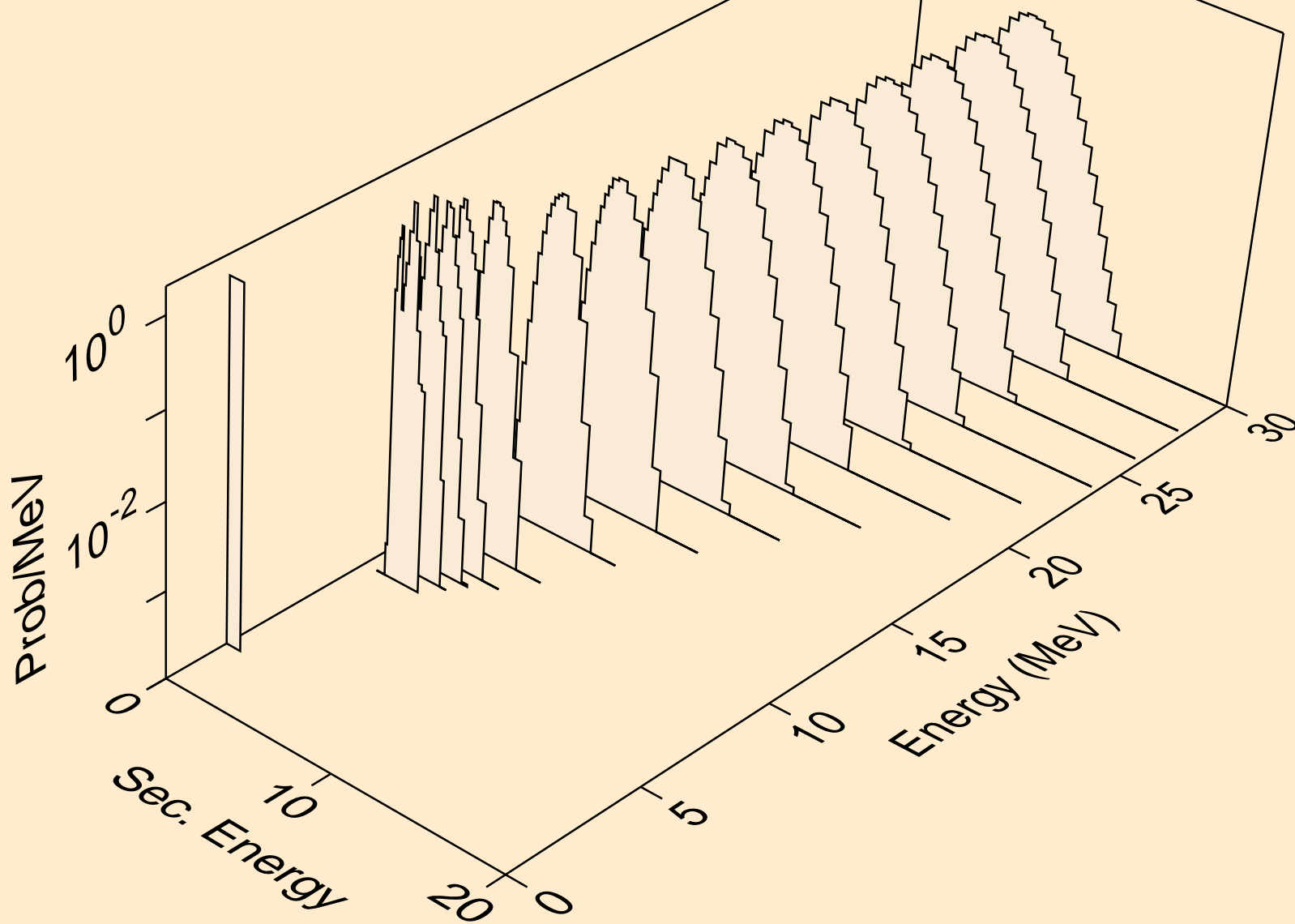
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protons from (n,2p)



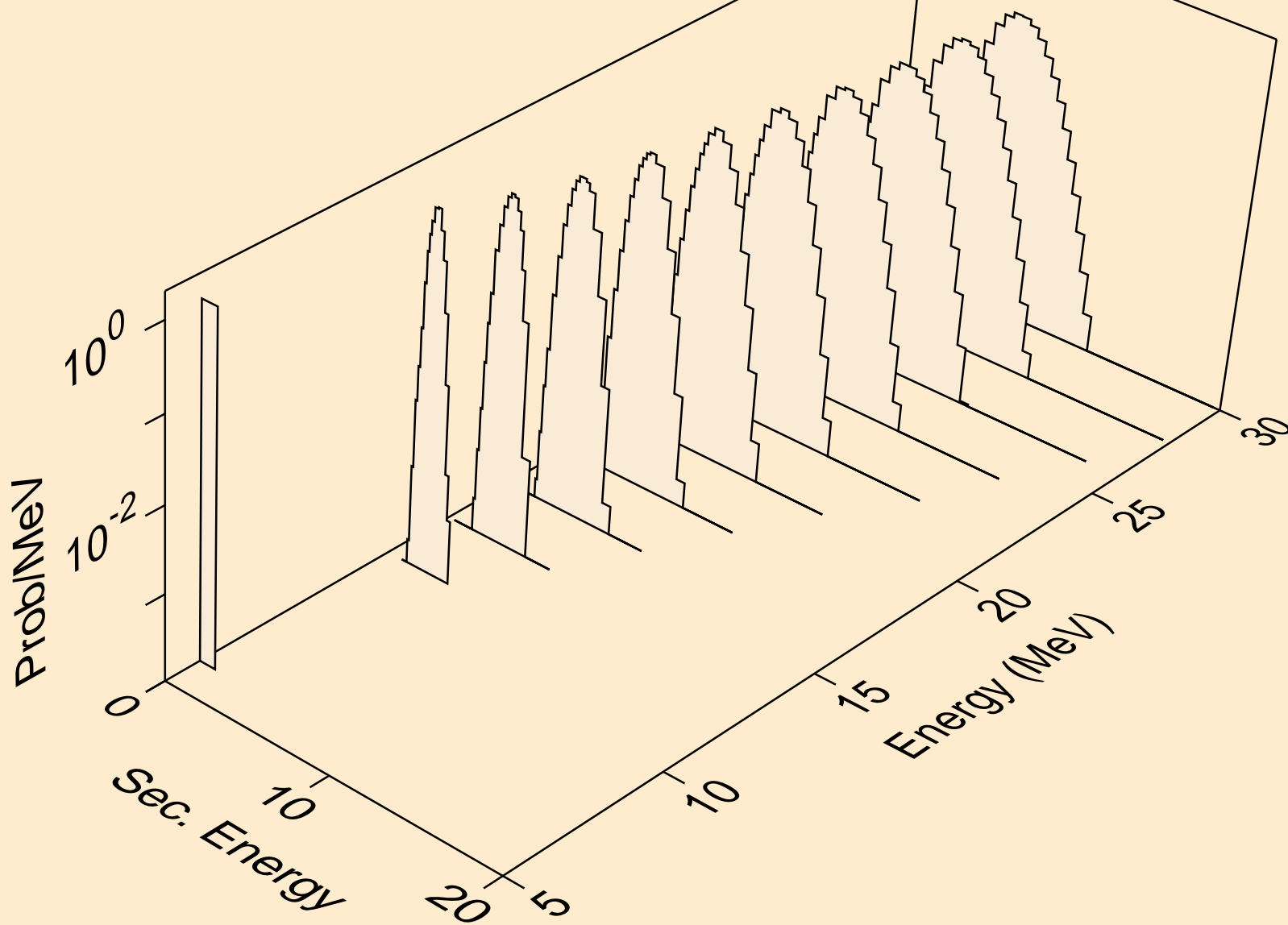
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protons from (n,p)



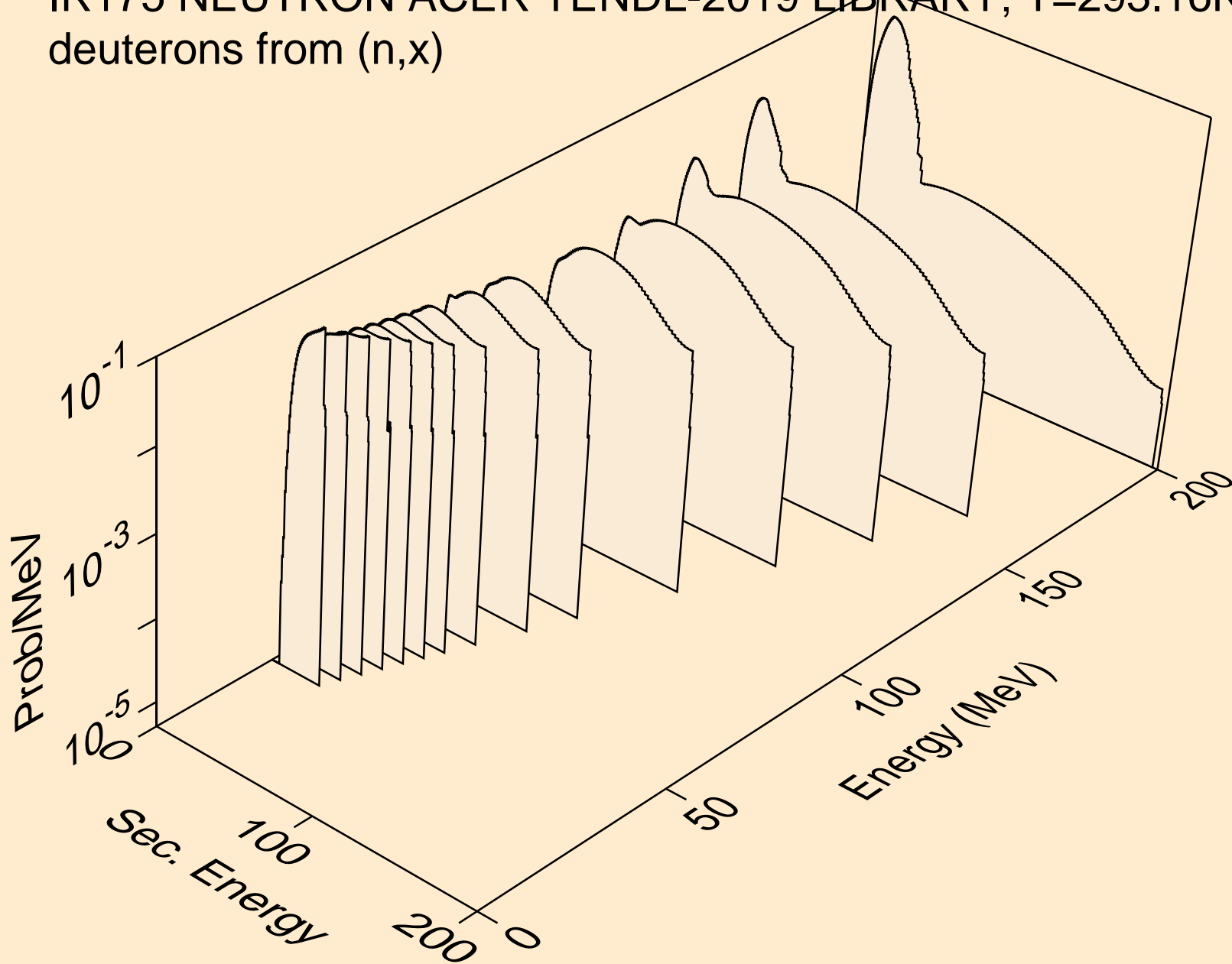
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protons from (n,pd)



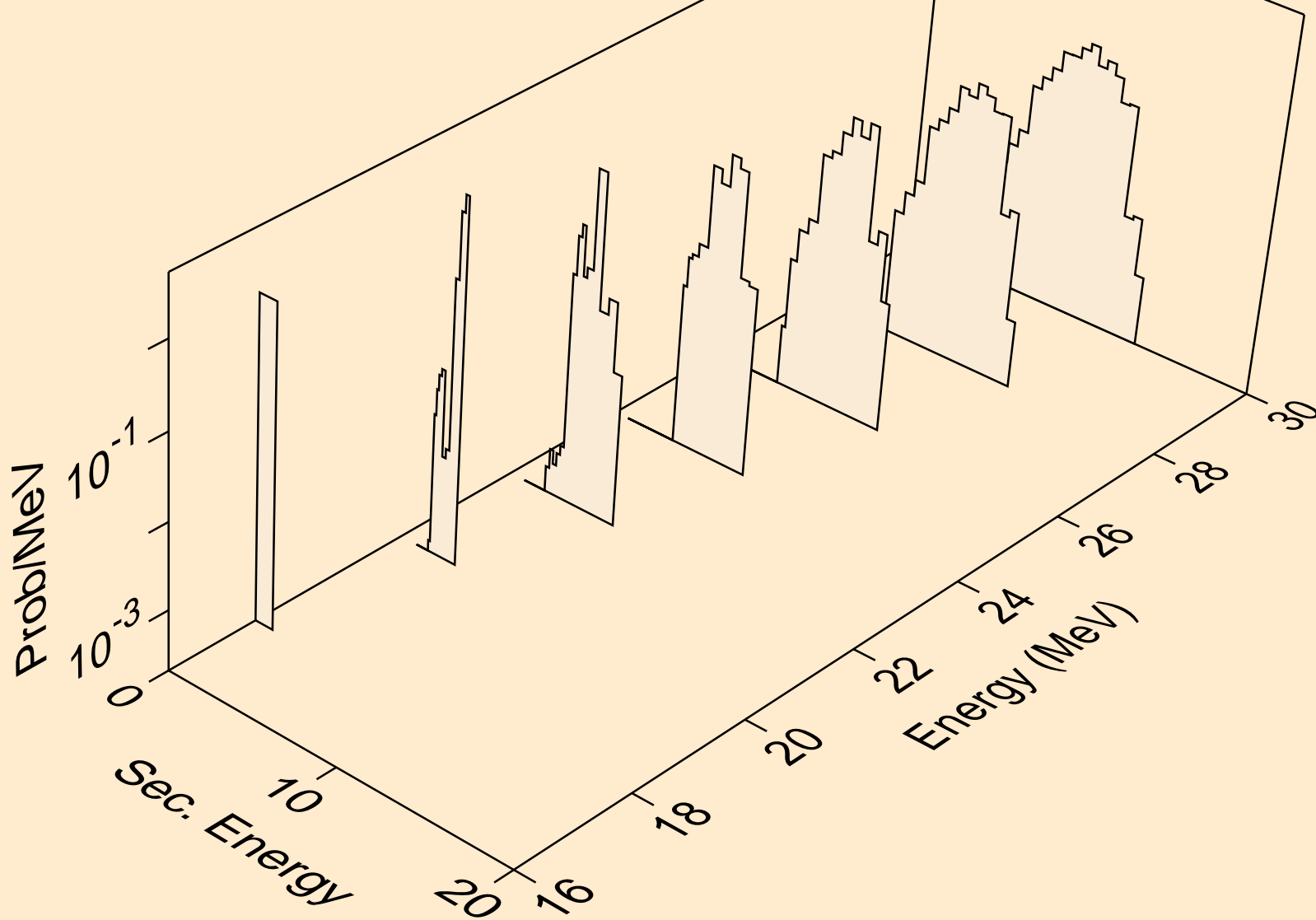
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protons from (n,pt)



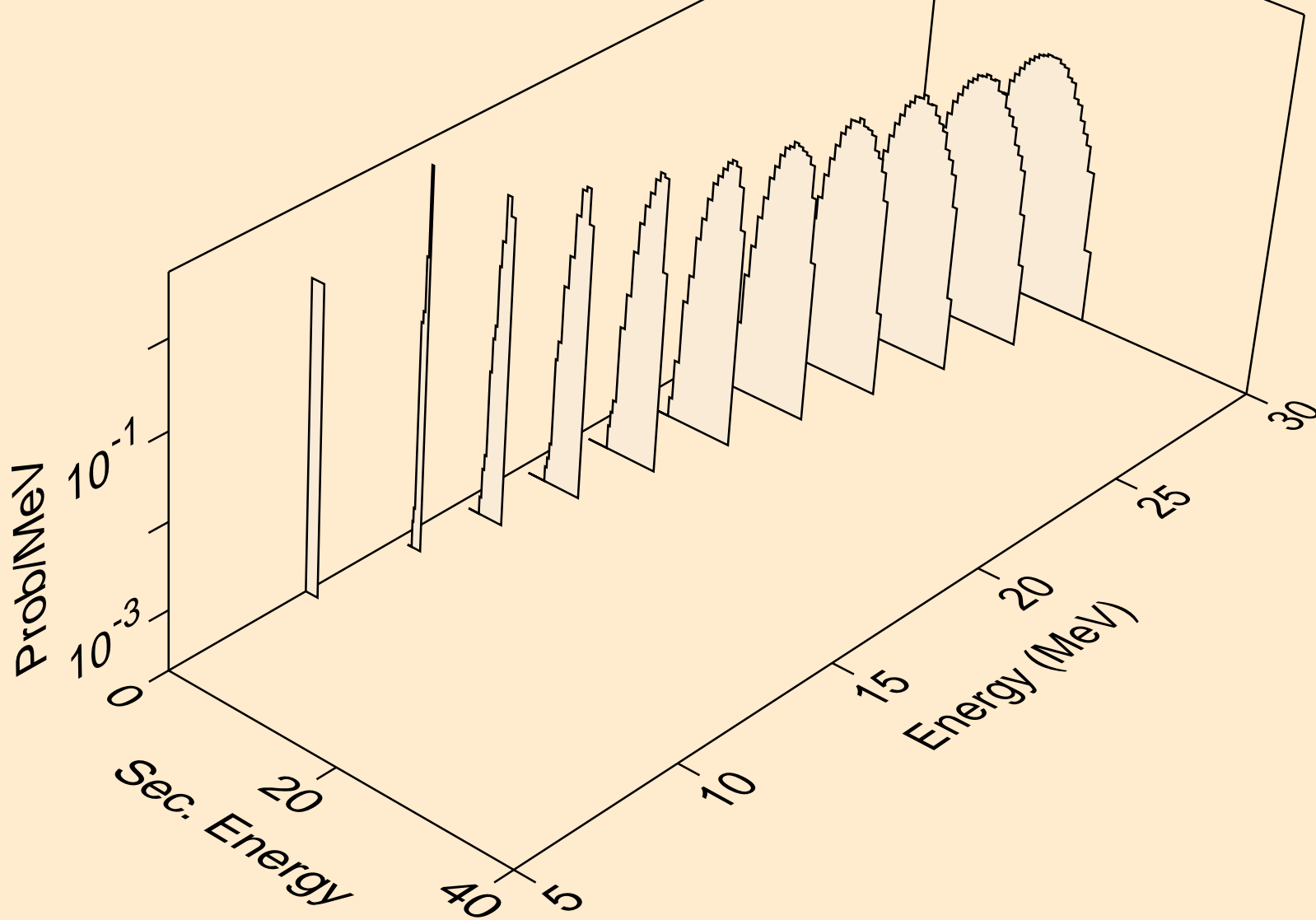
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

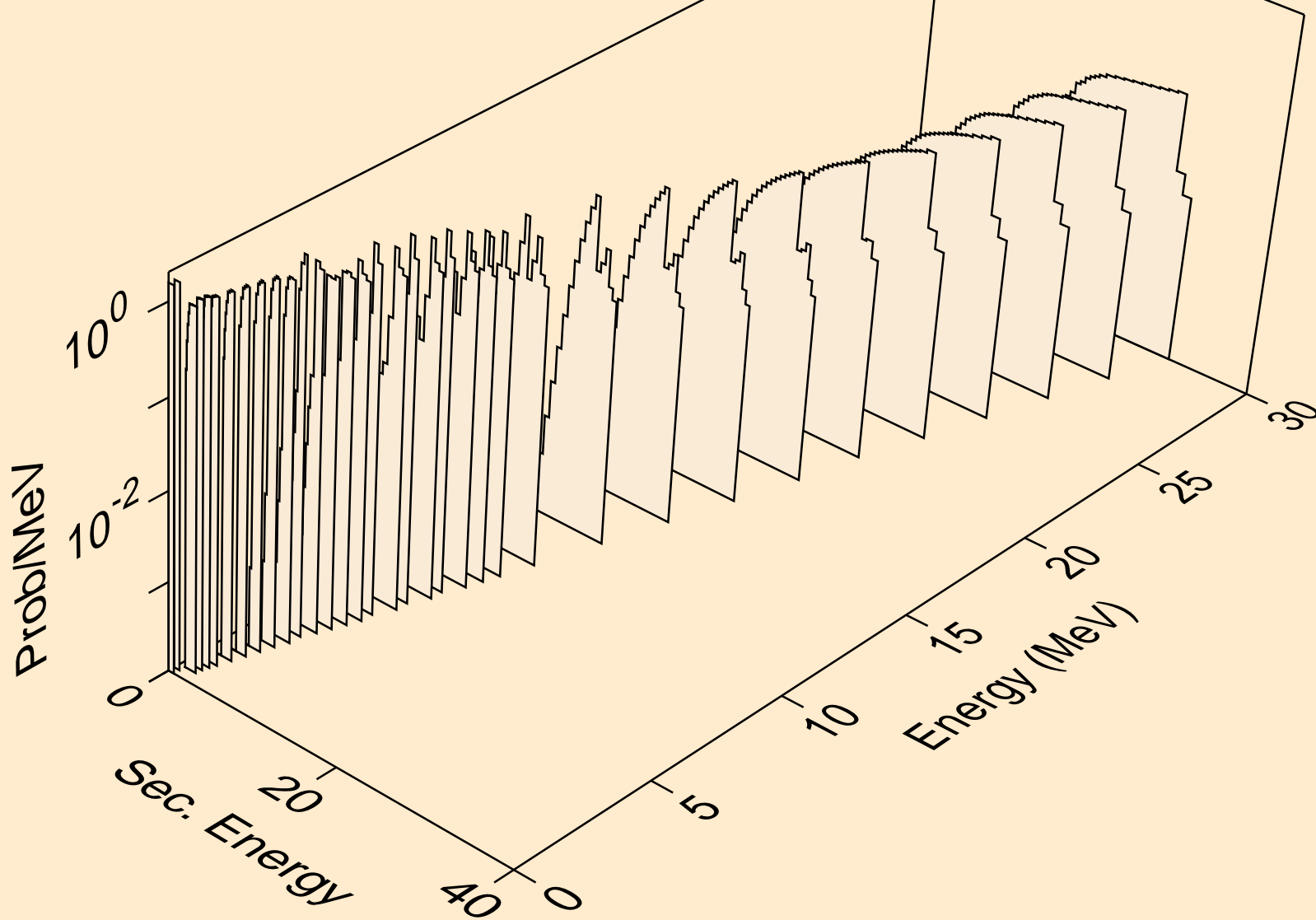


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

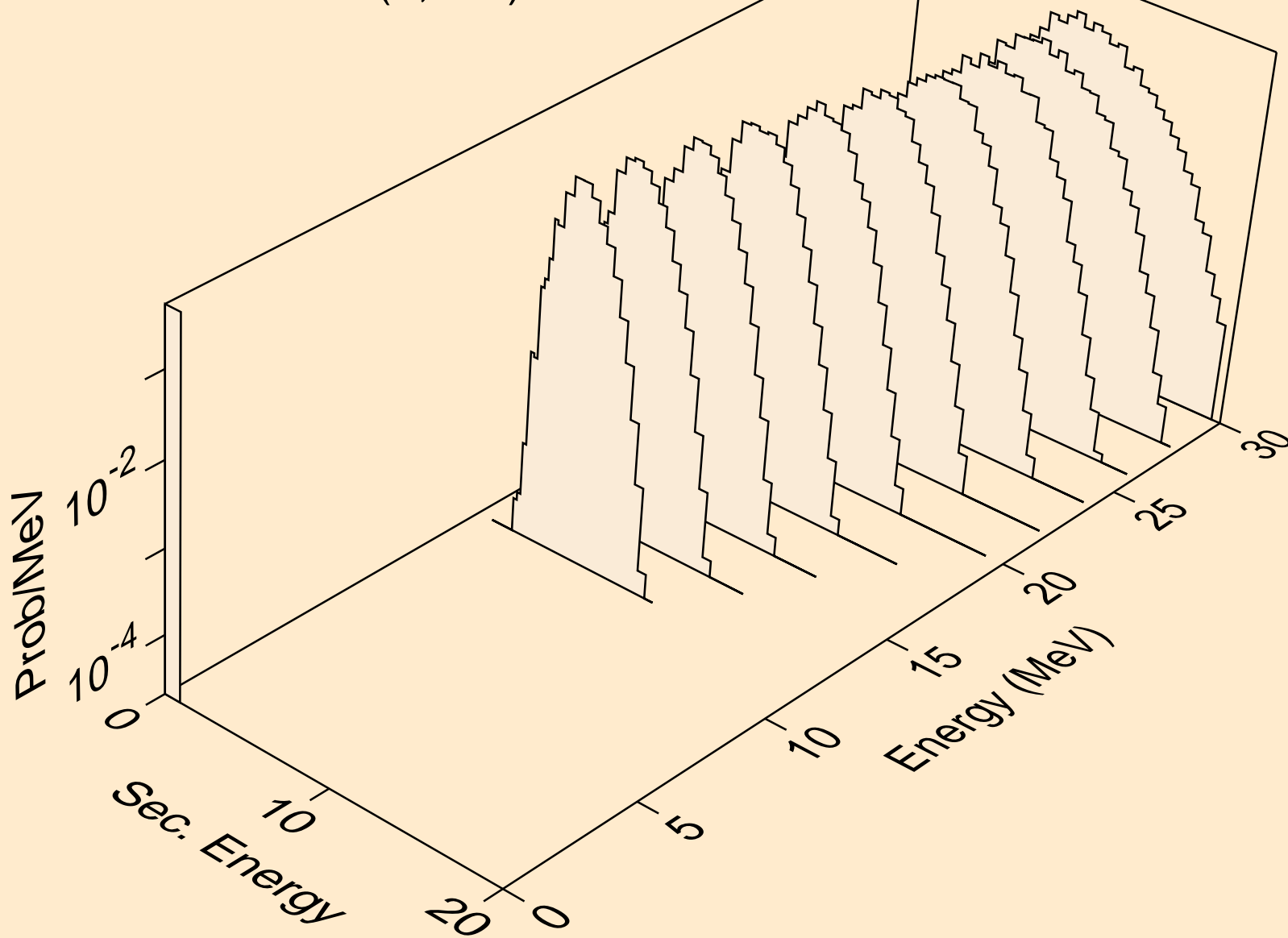




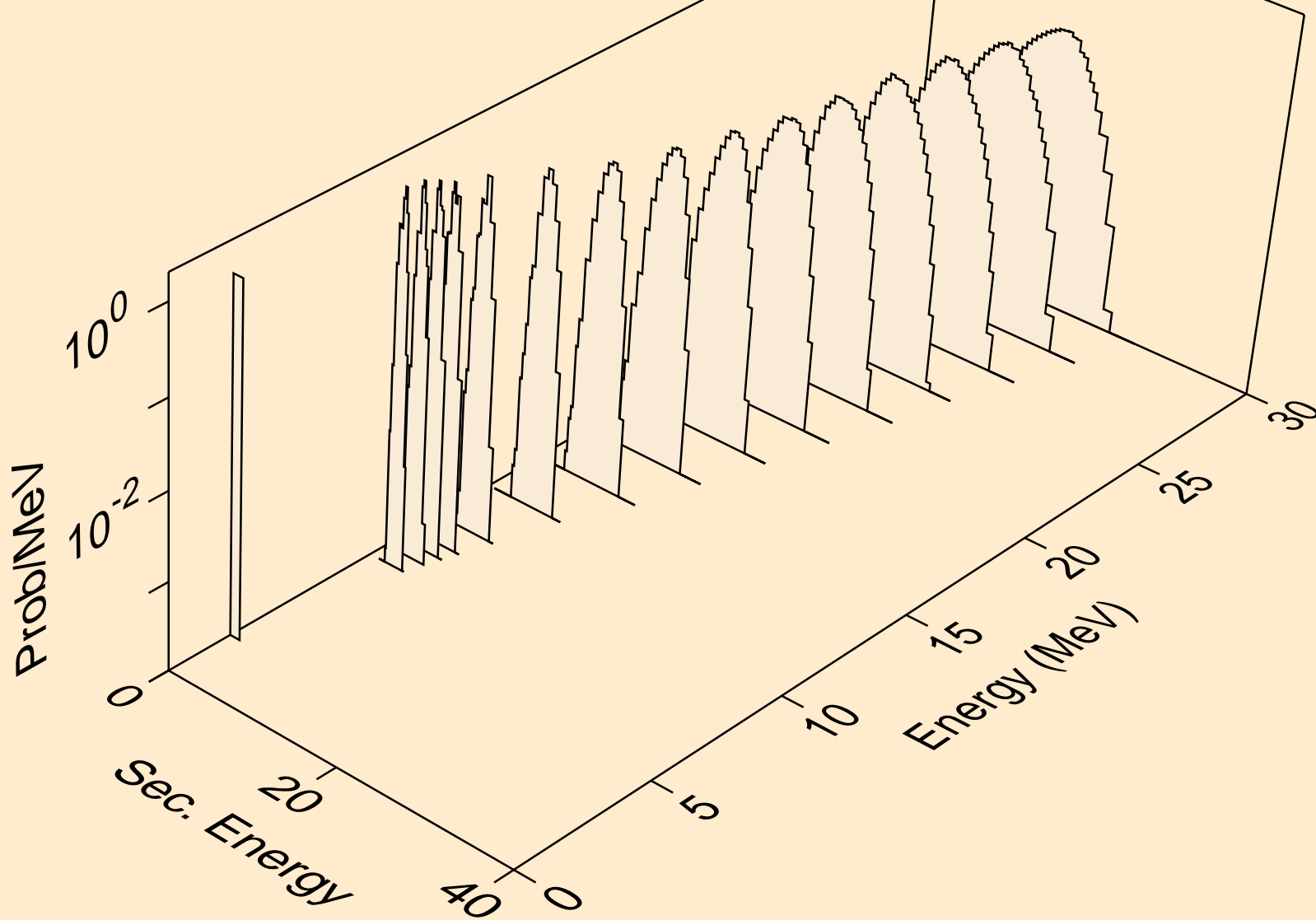
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deuterons from (n,d)



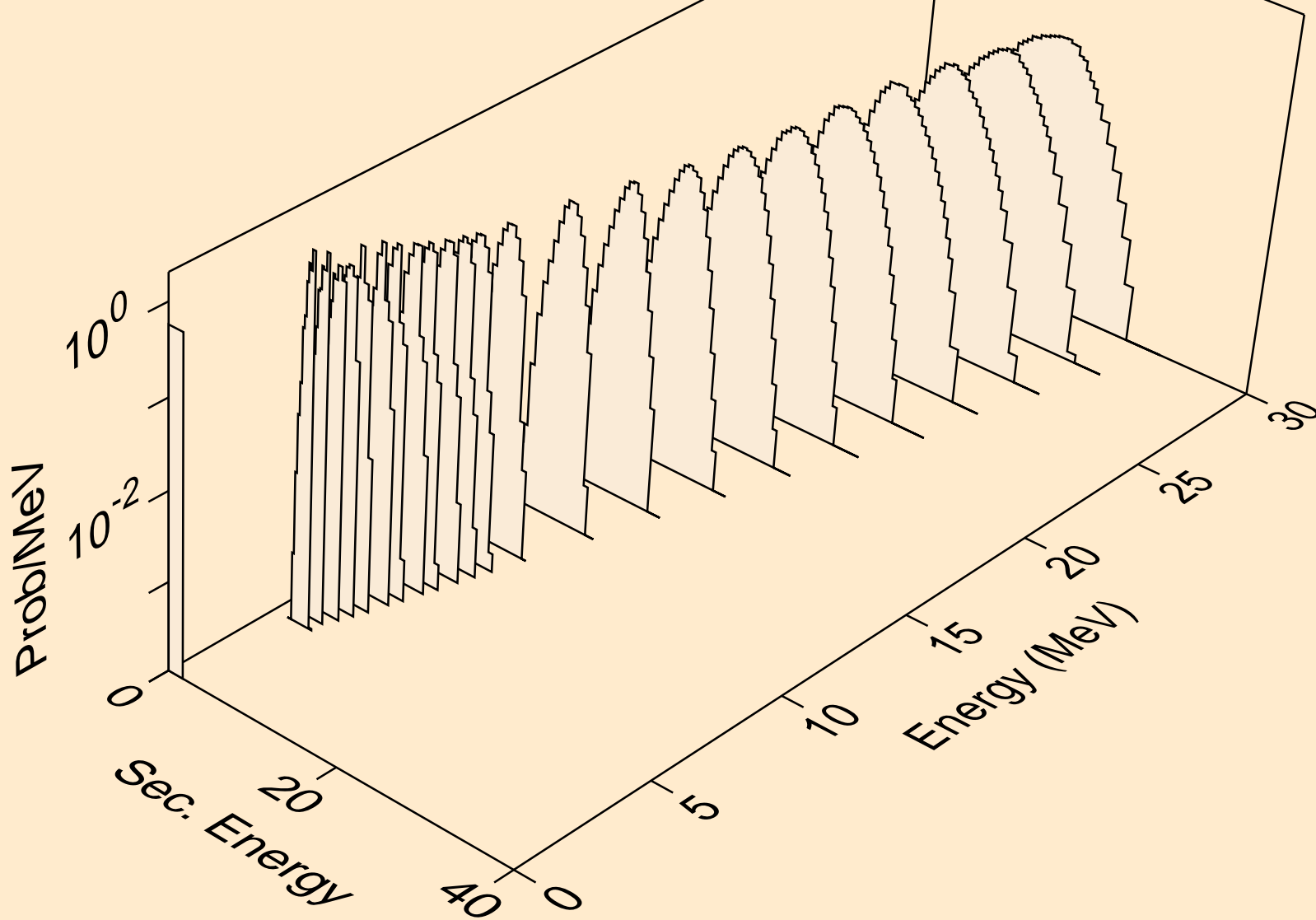
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deuterons from (n,d2a)



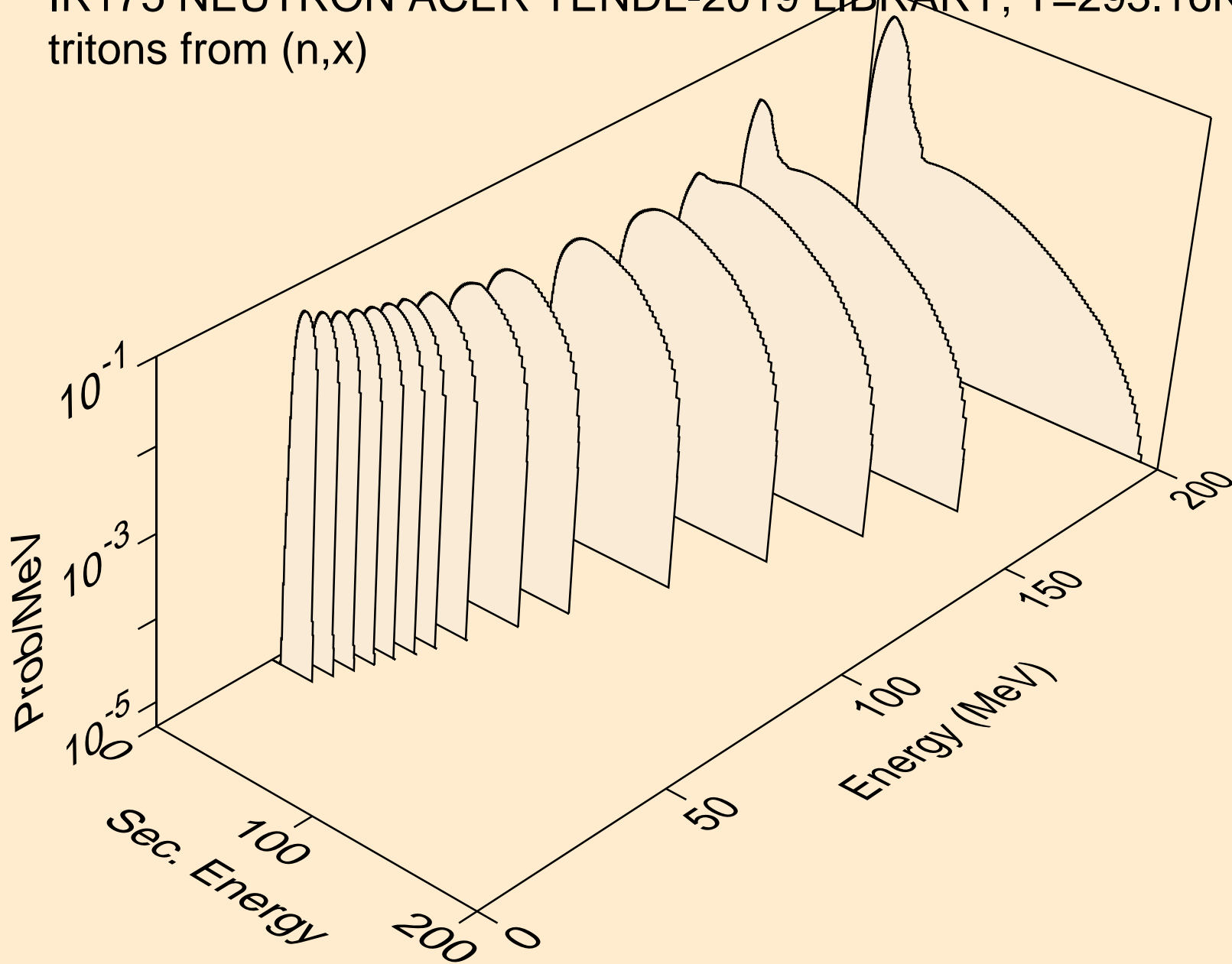
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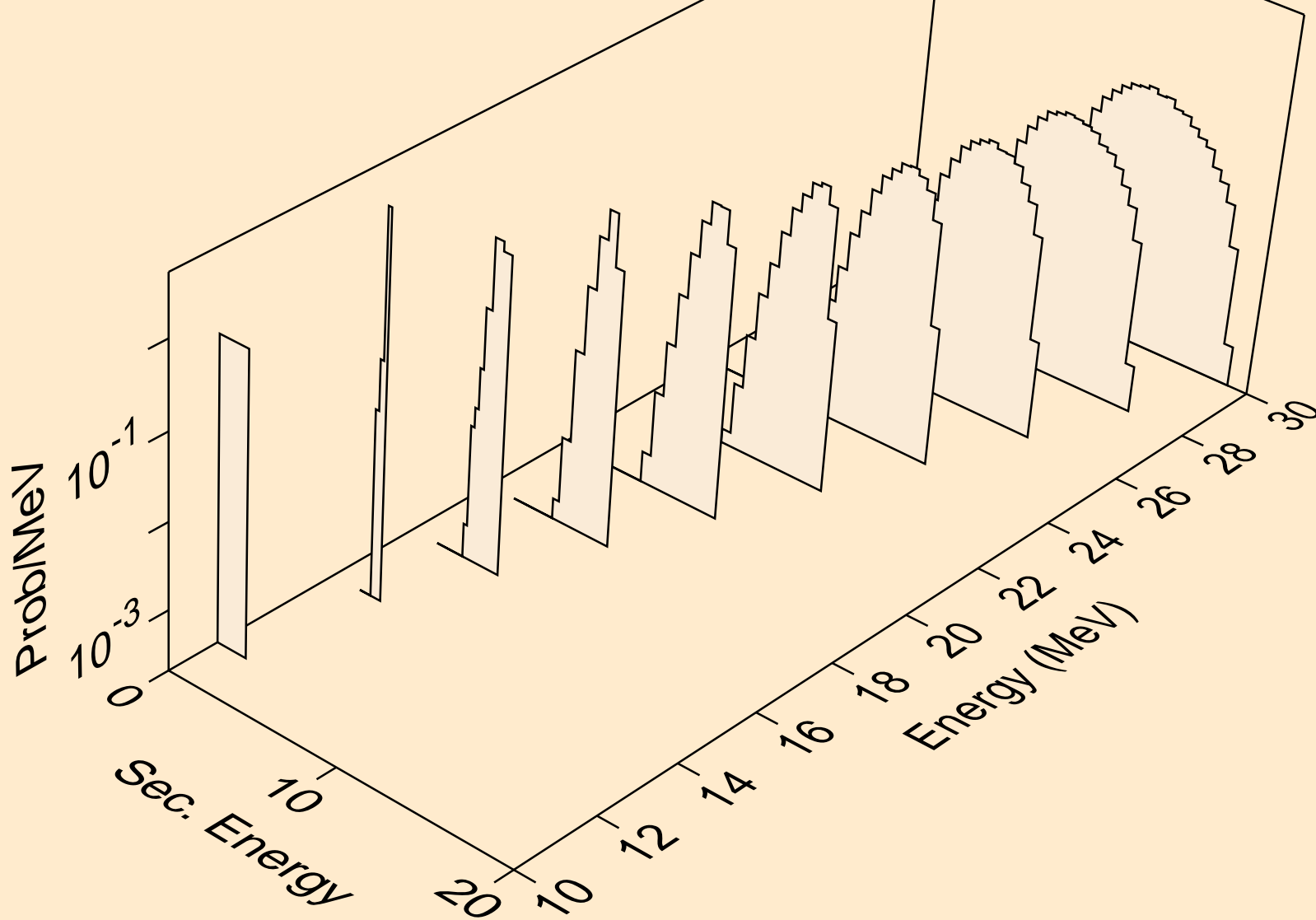
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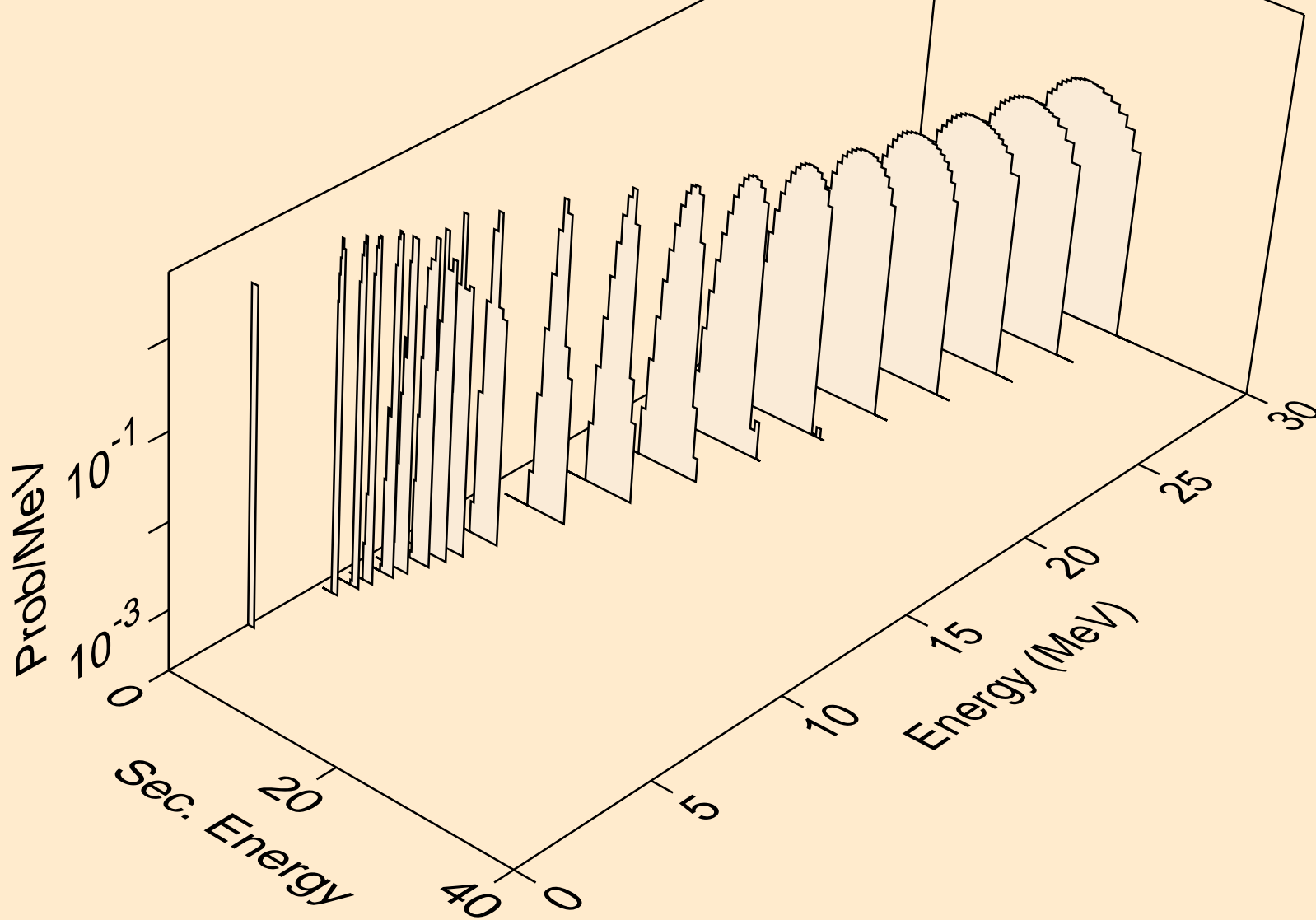
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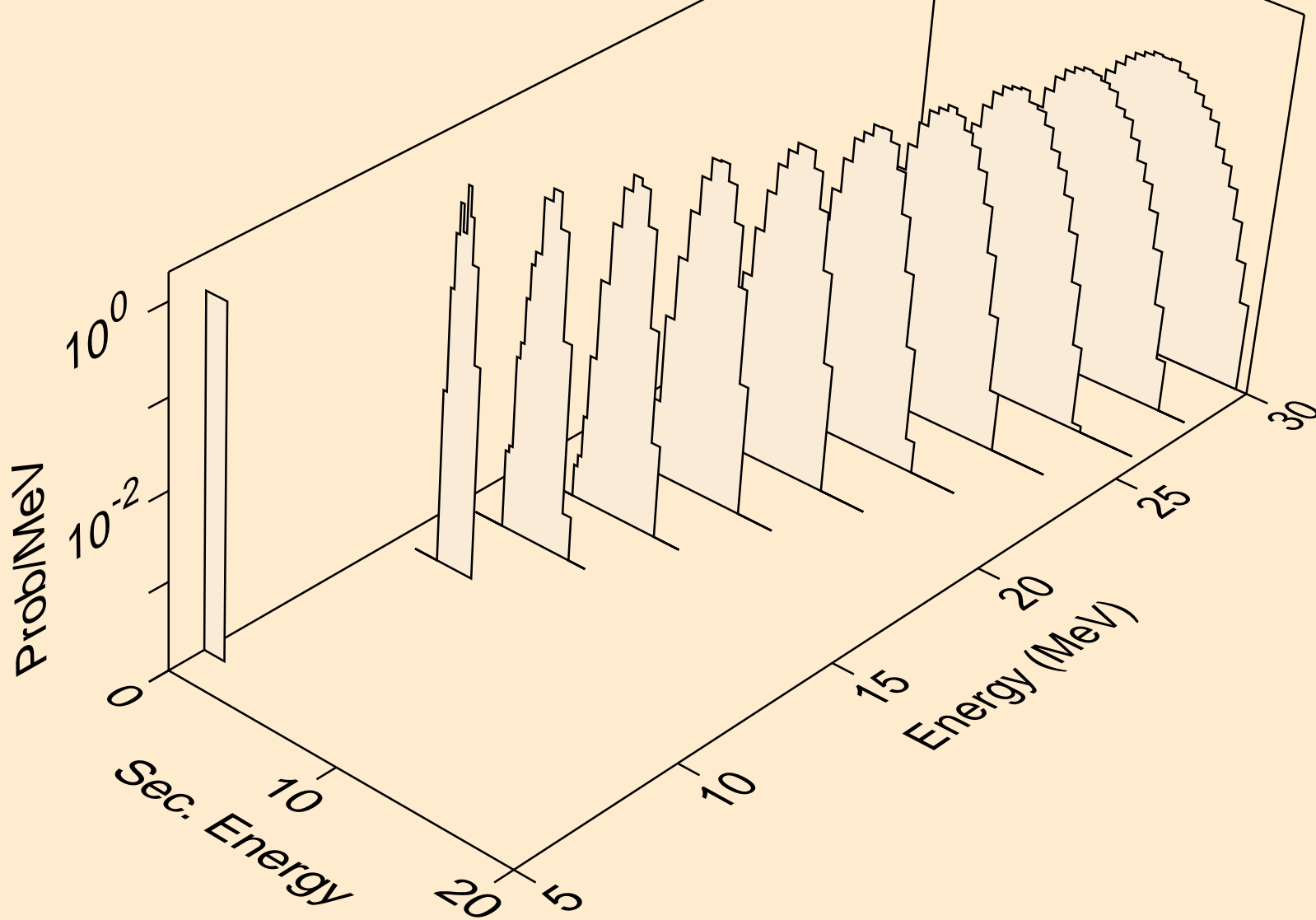
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

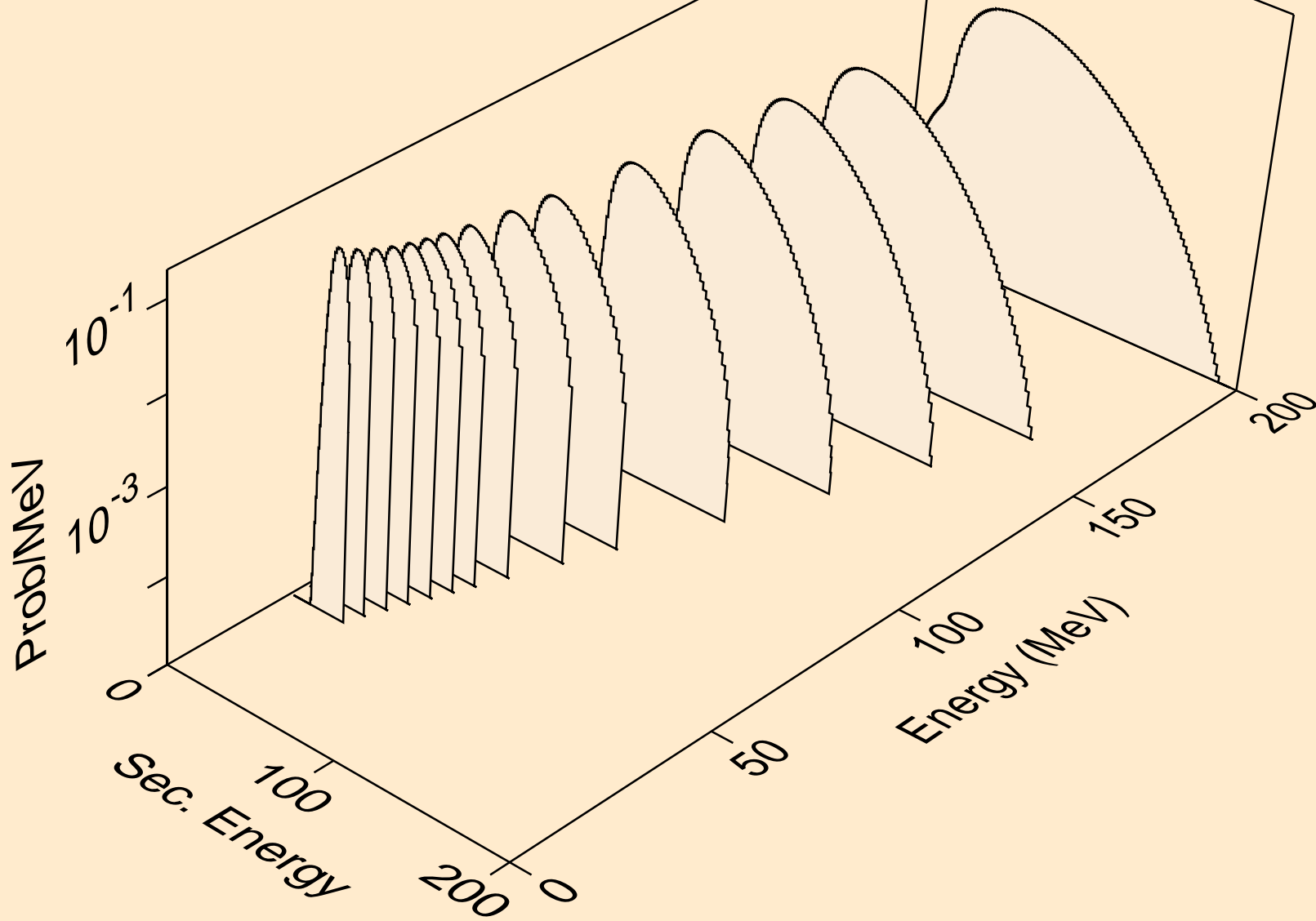


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

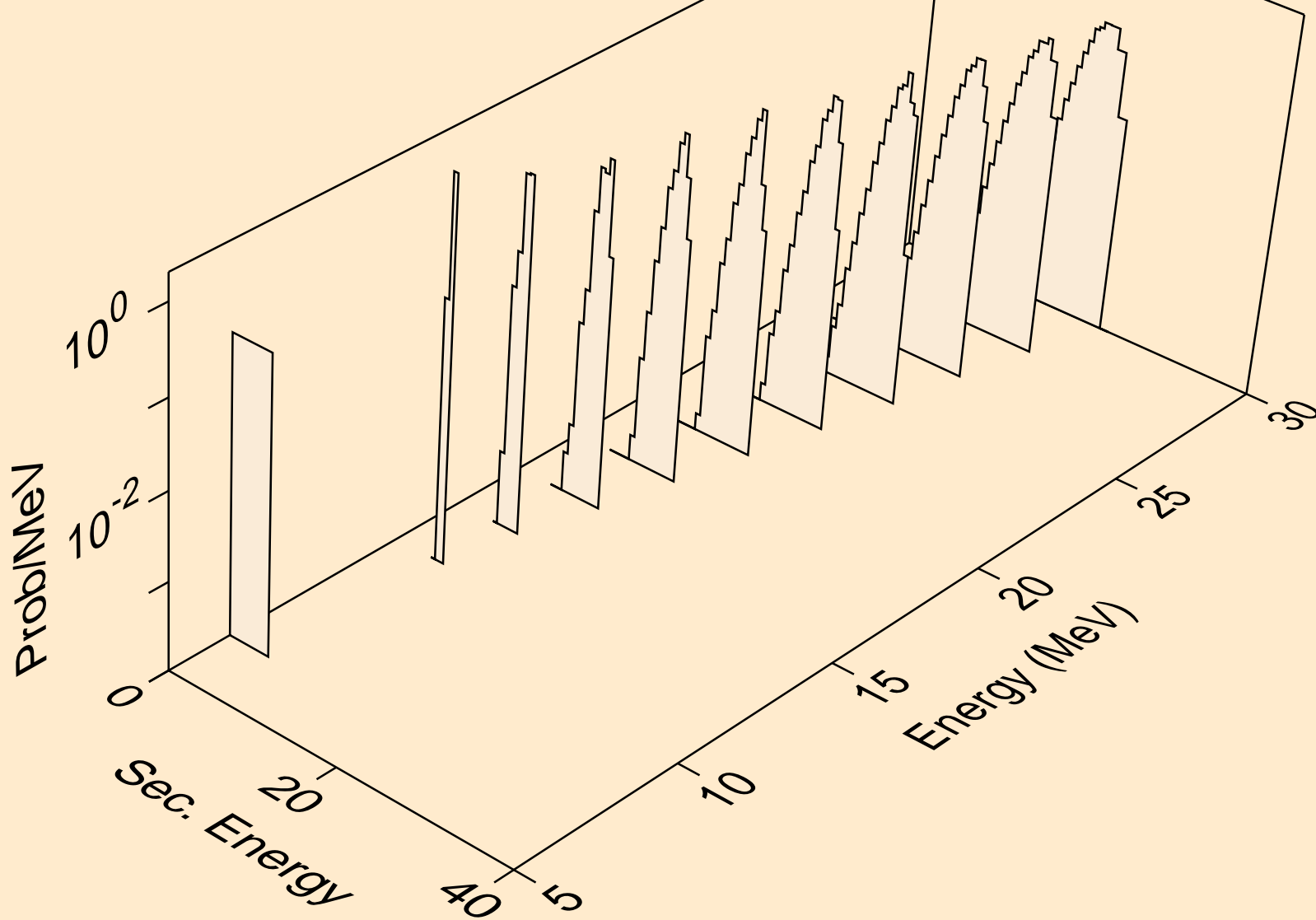




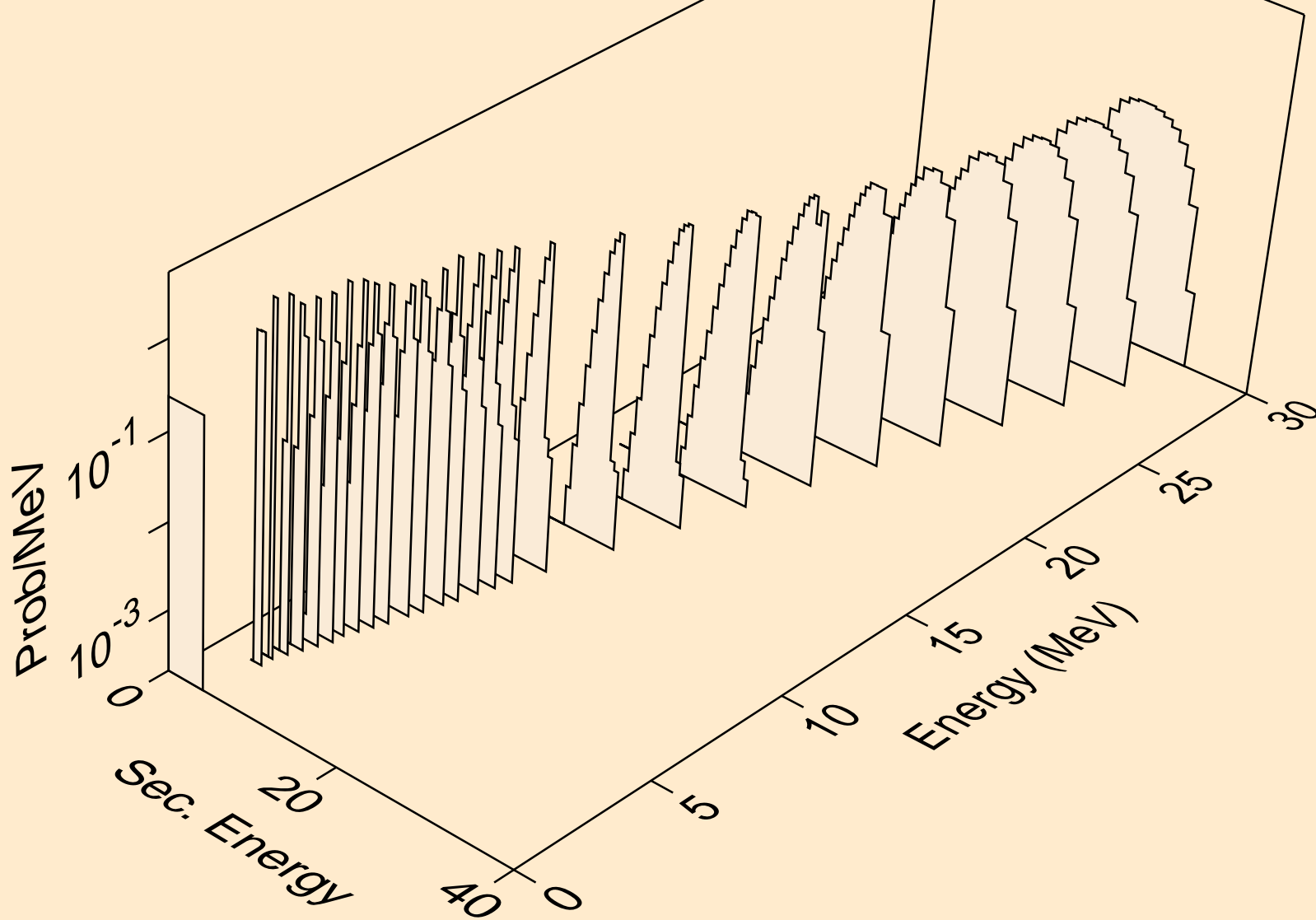
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



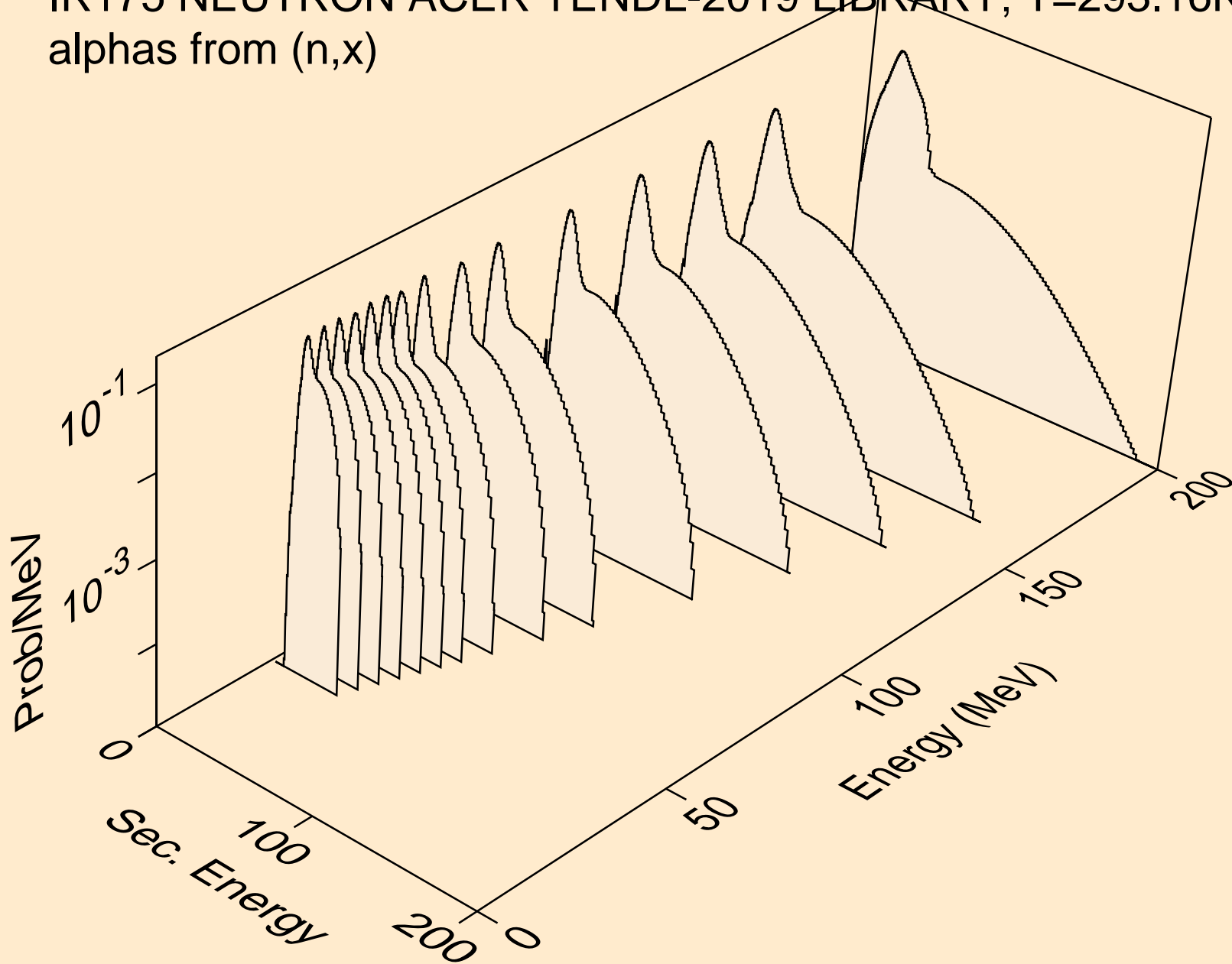
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



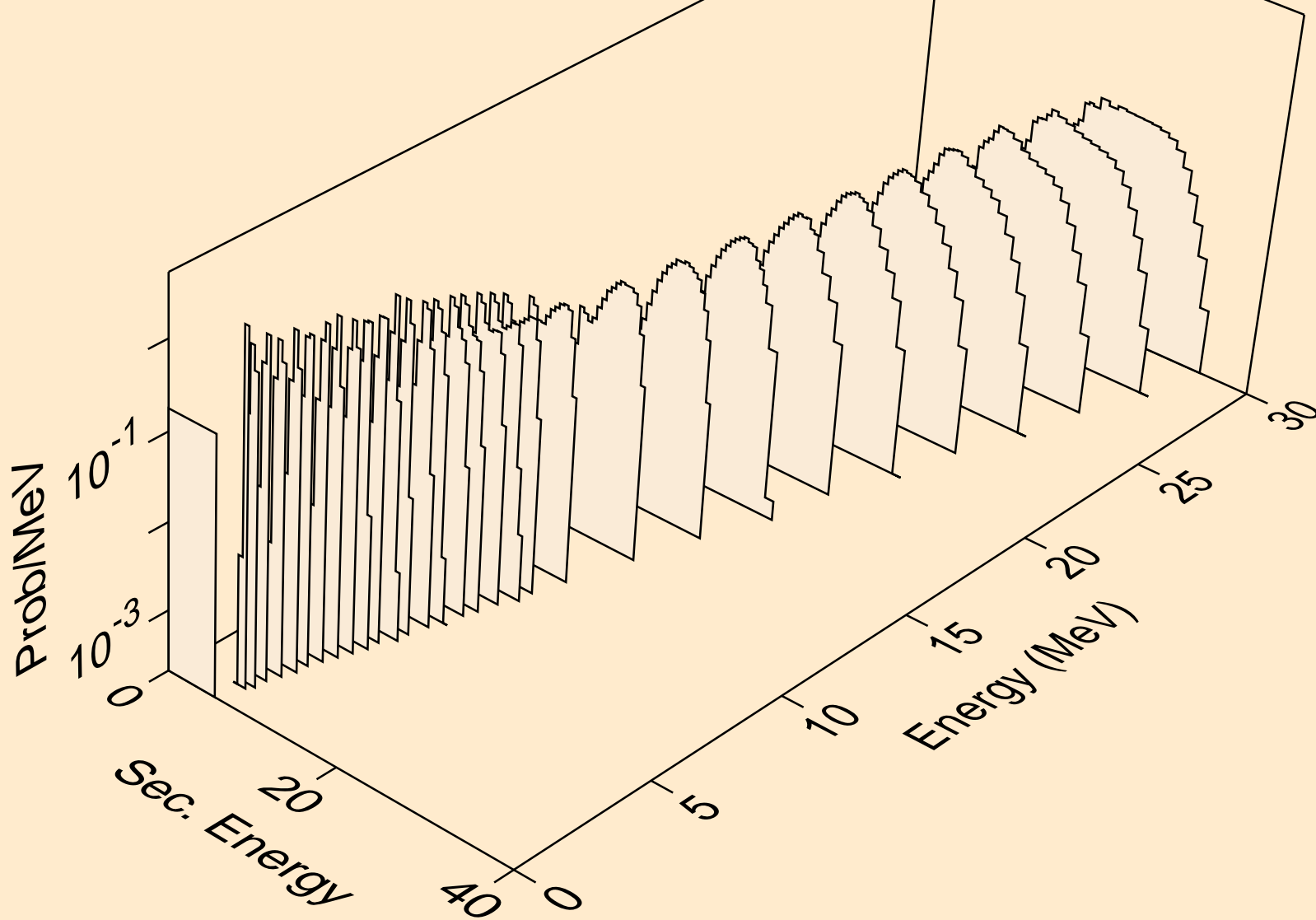
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



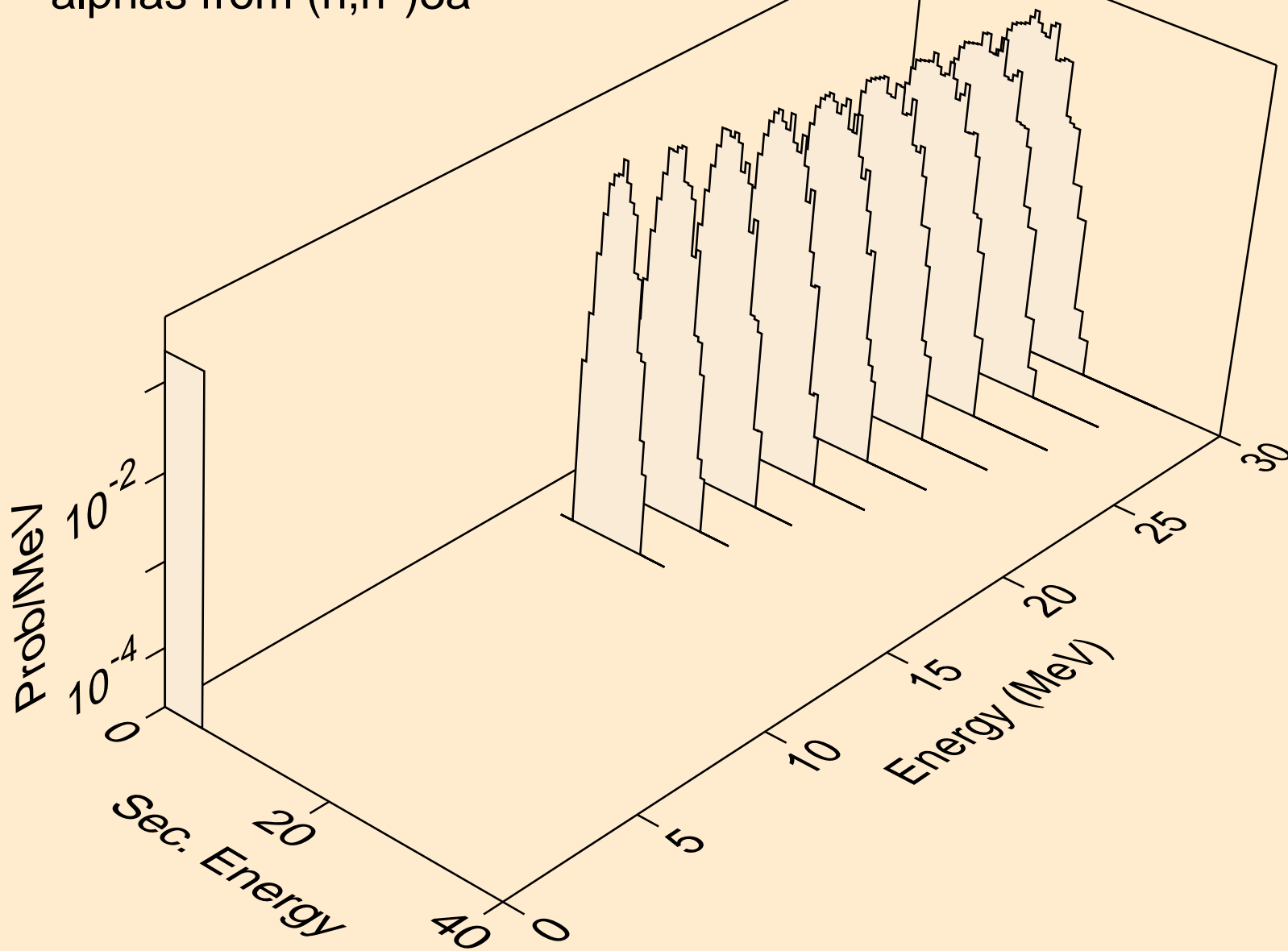
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



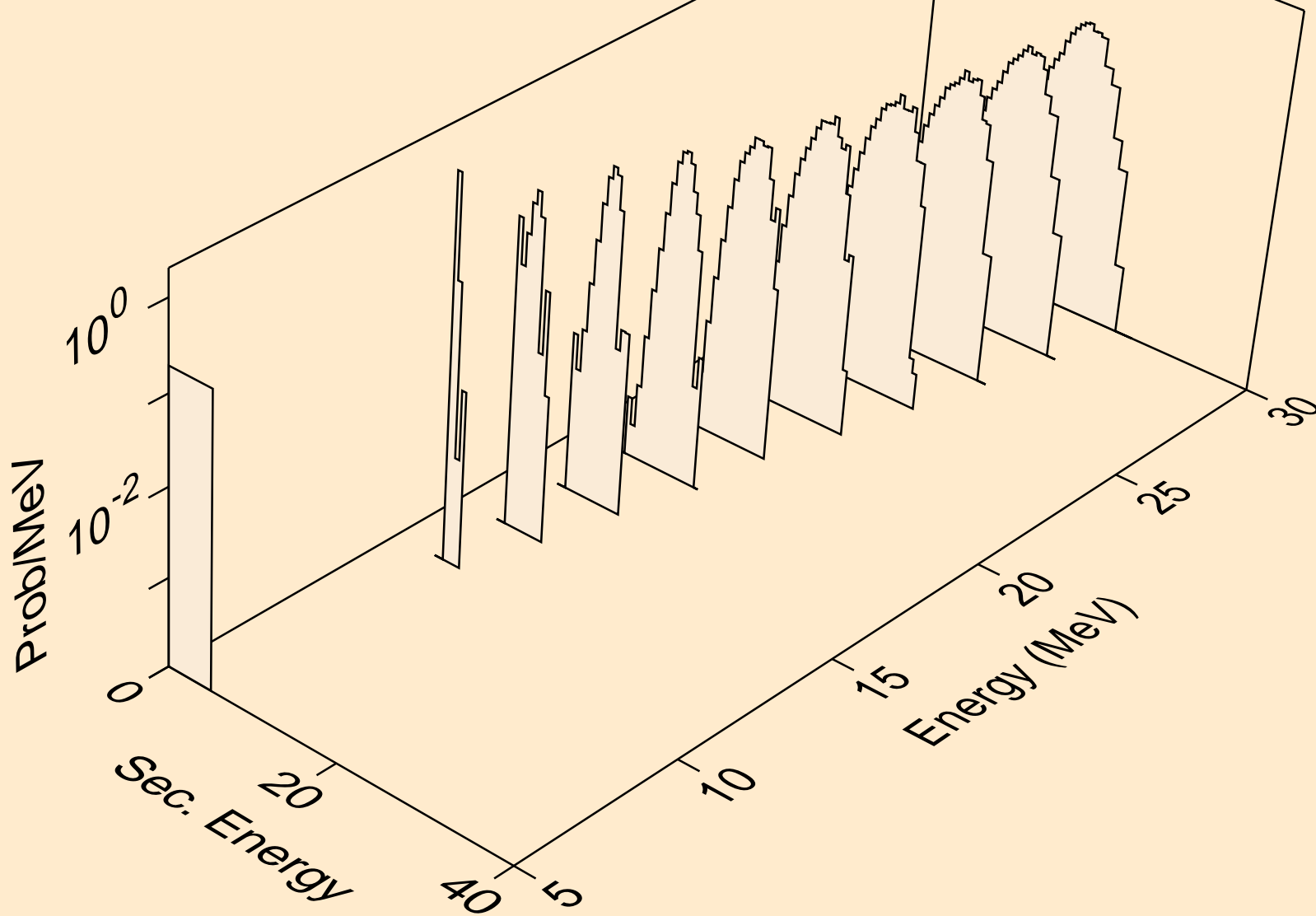
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



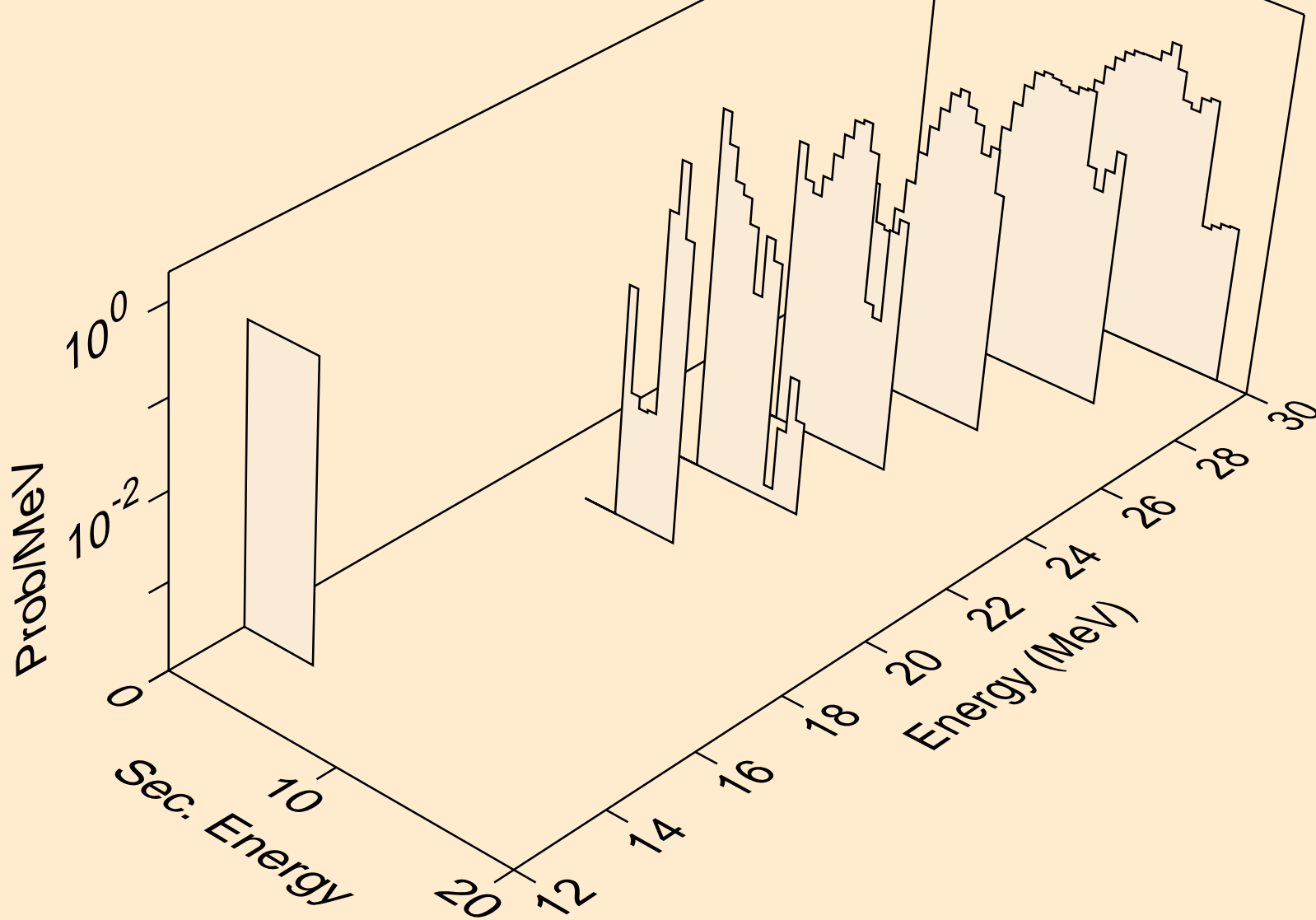
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)3a



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a

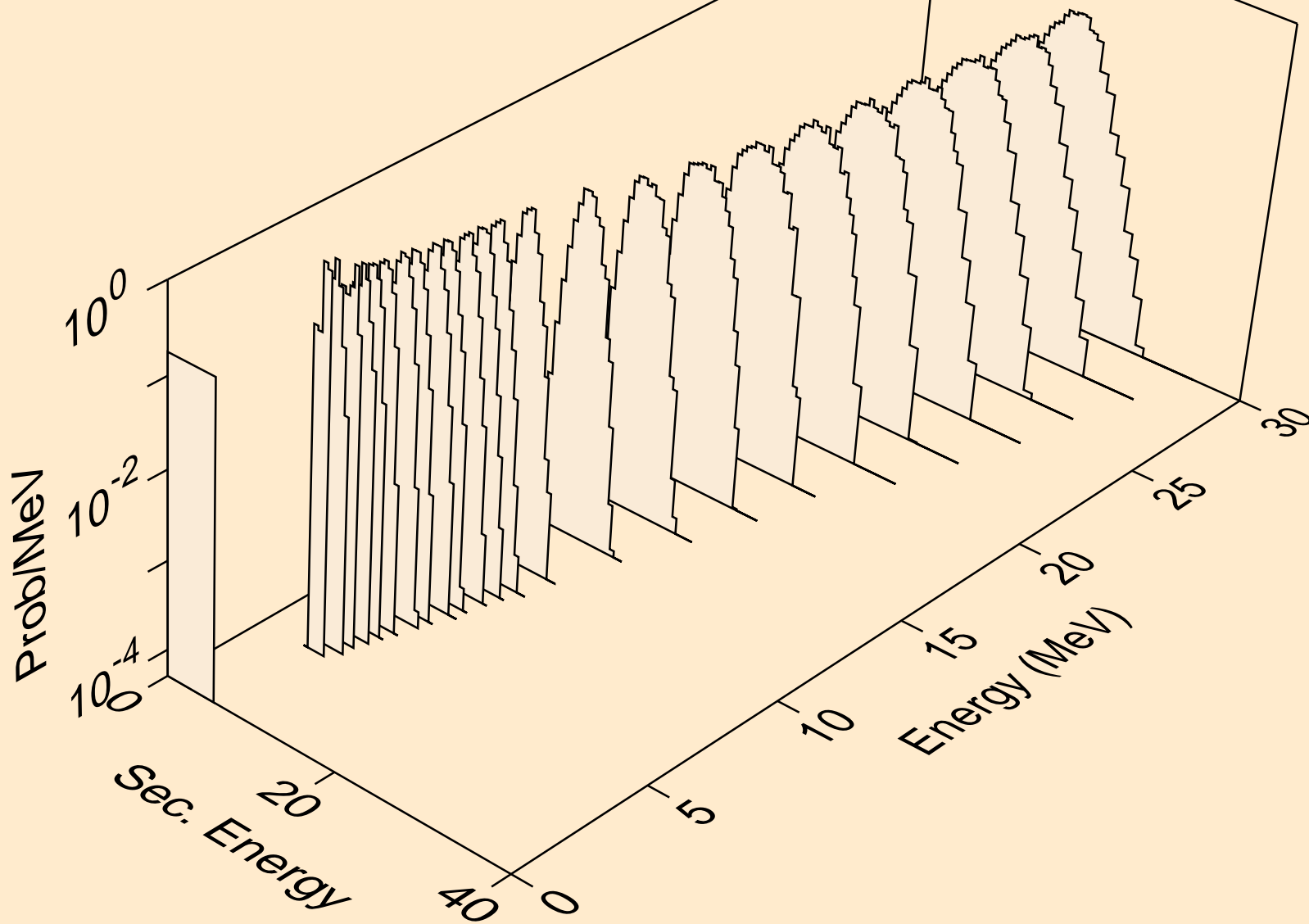


IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a

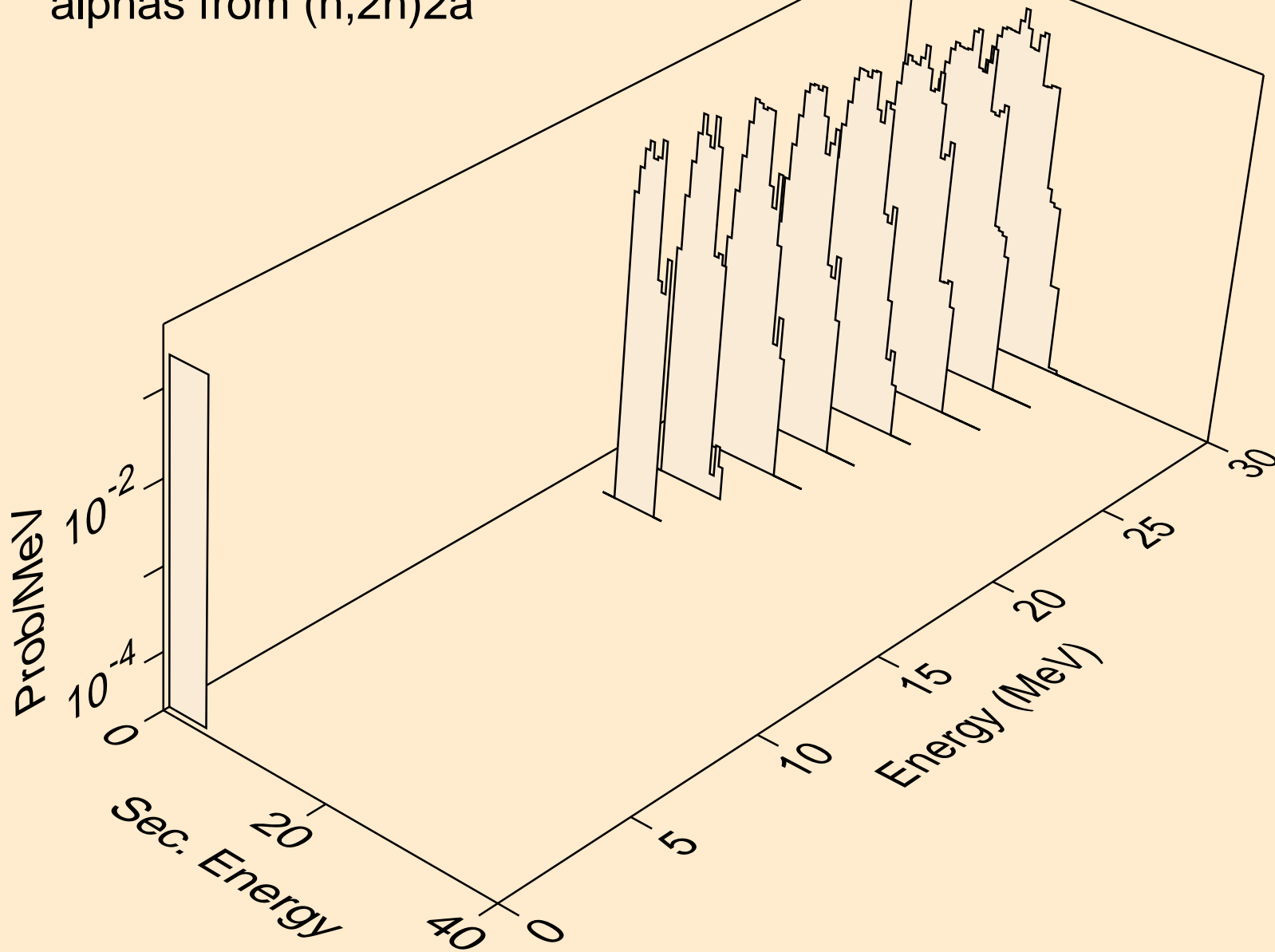




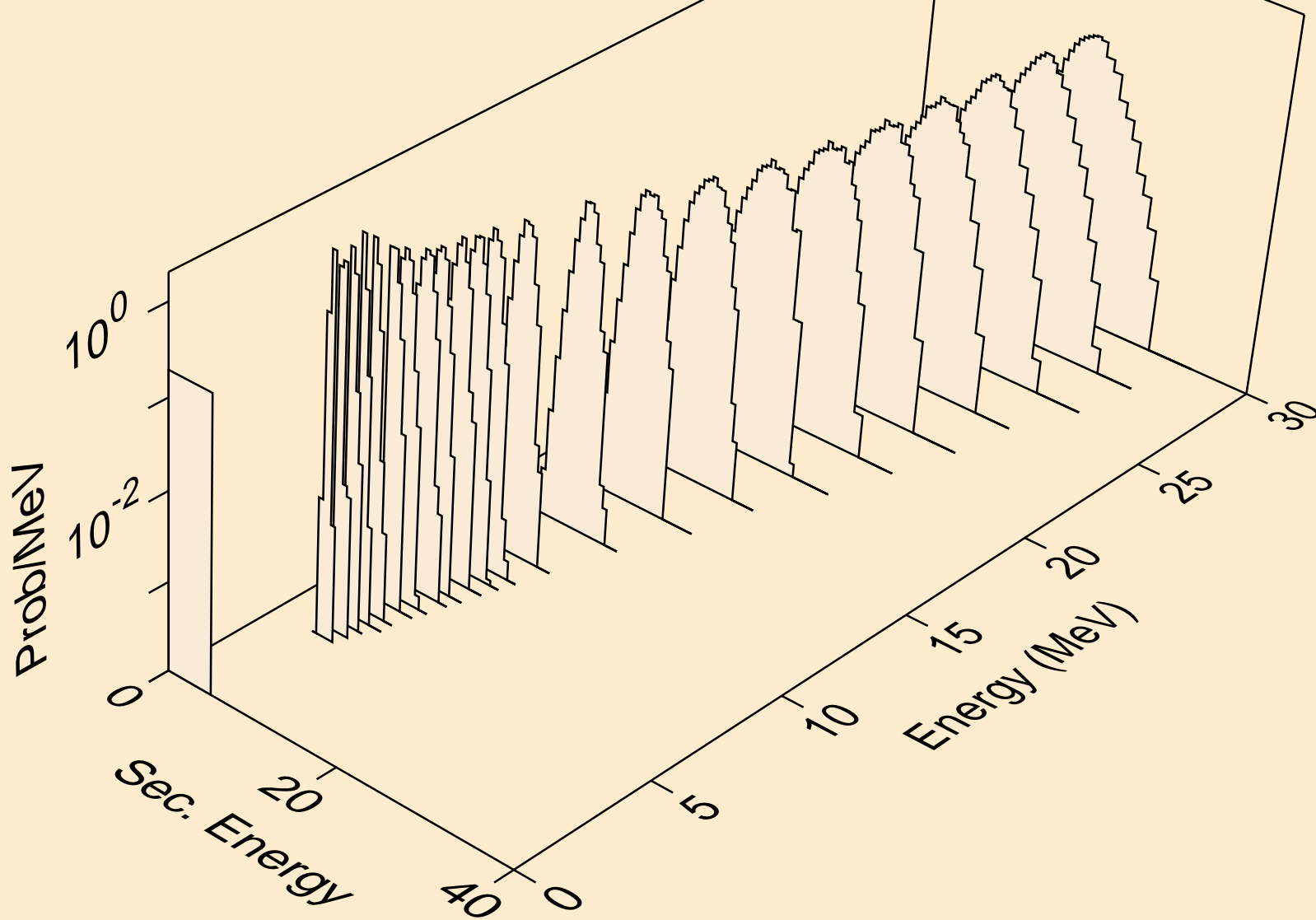
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alphas from (n,n\*)2a



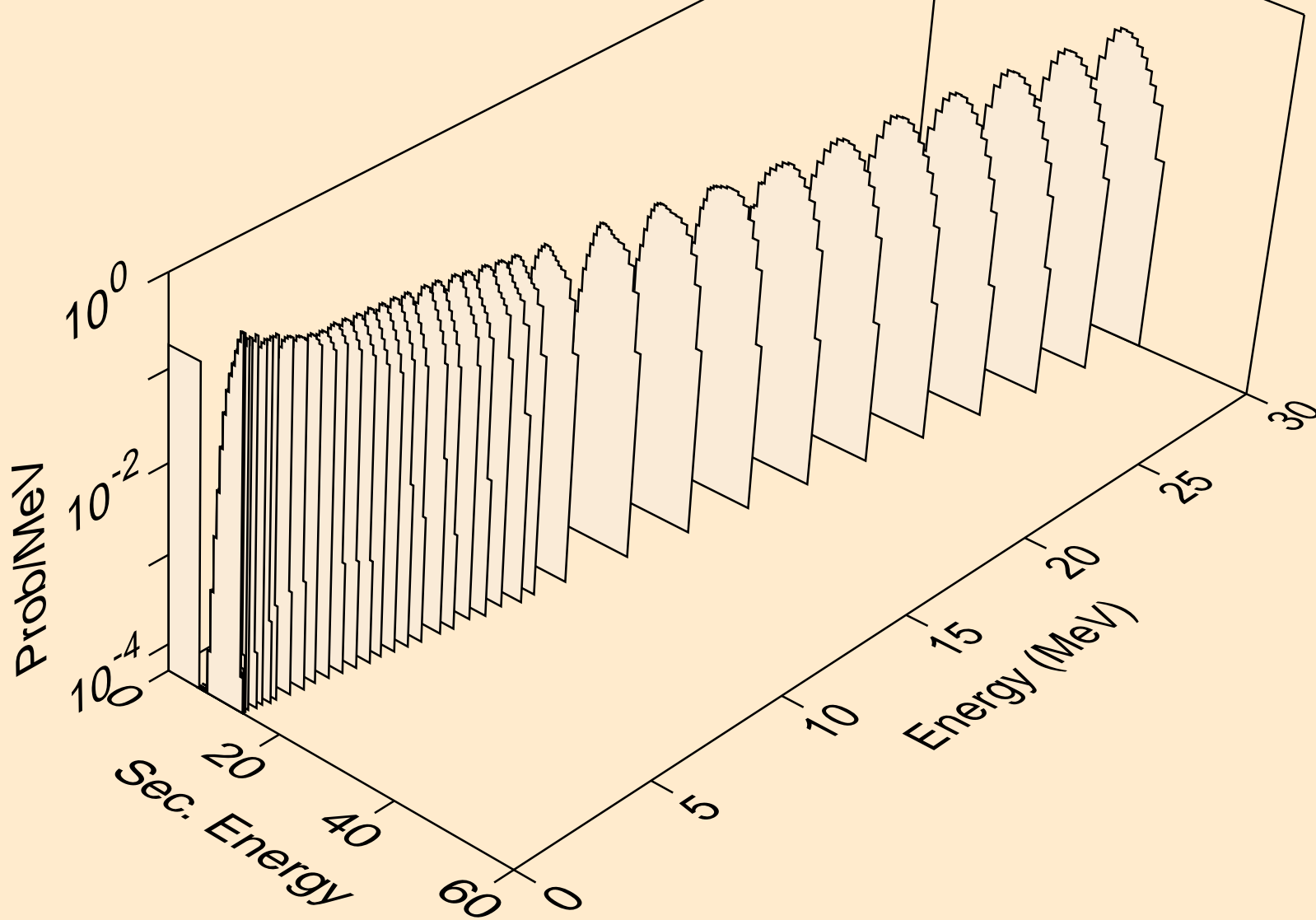
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alphas from (n,2n)2a



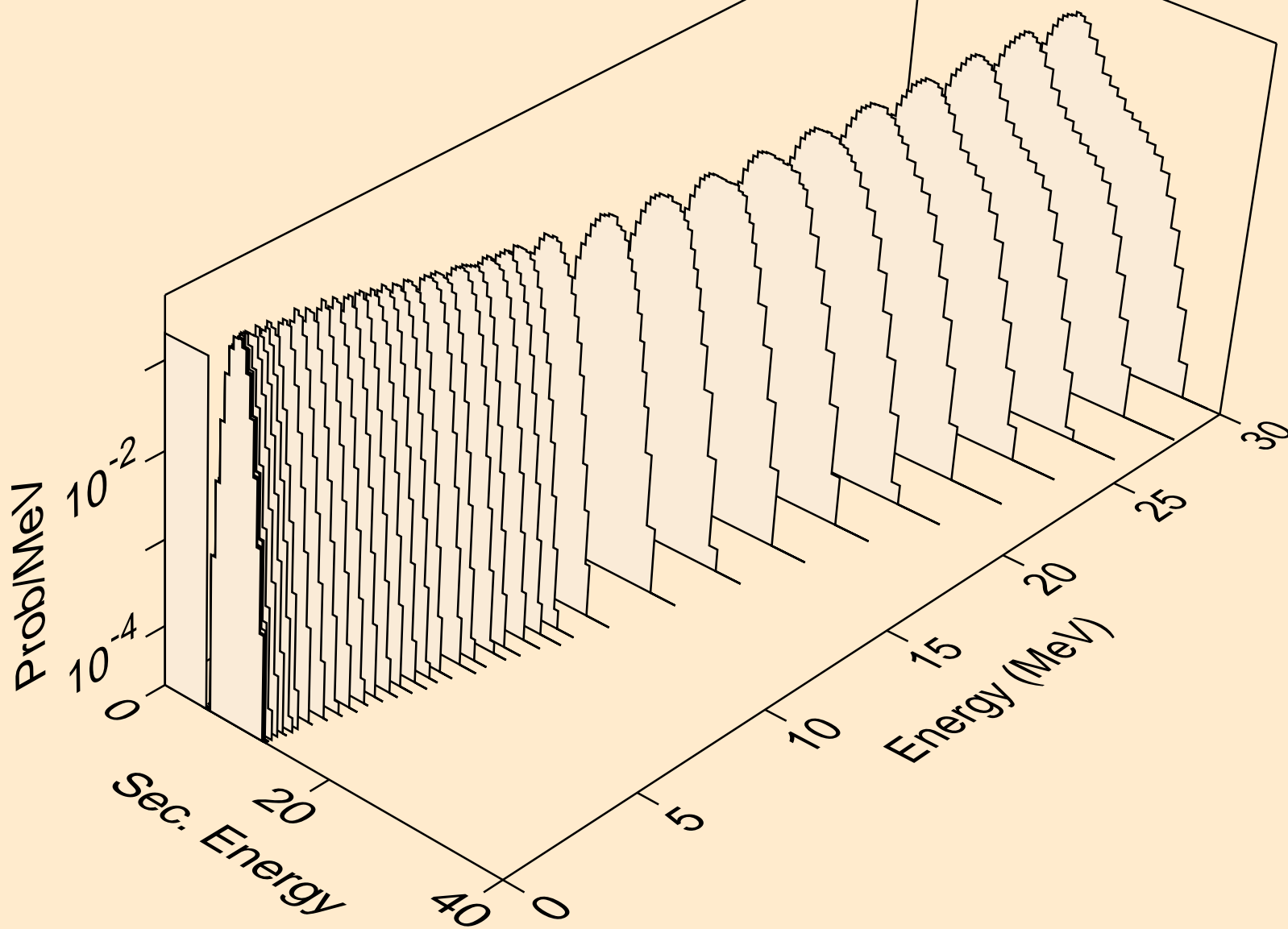
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alphas from (n,npa)



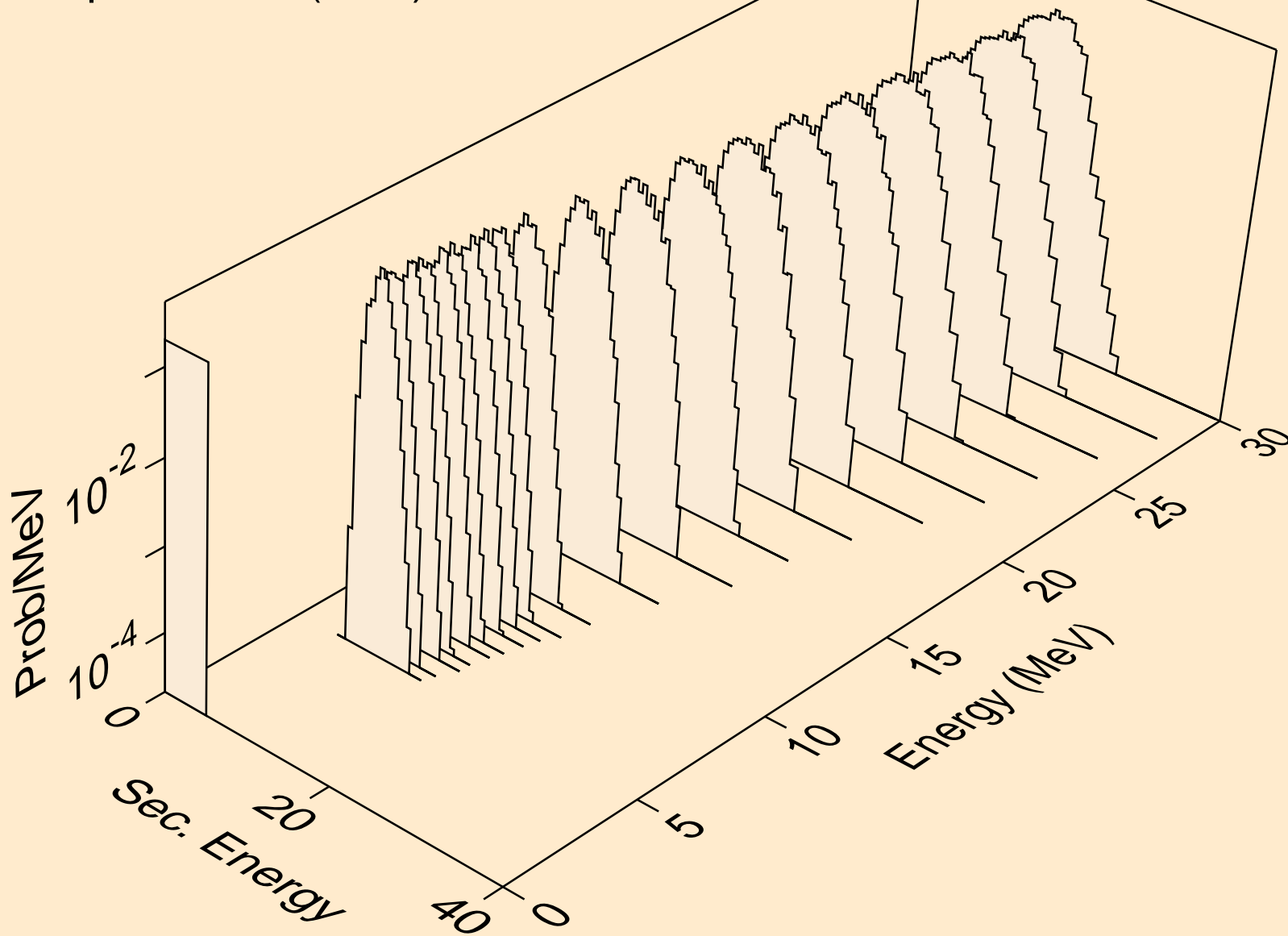
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alphas from (n,a)



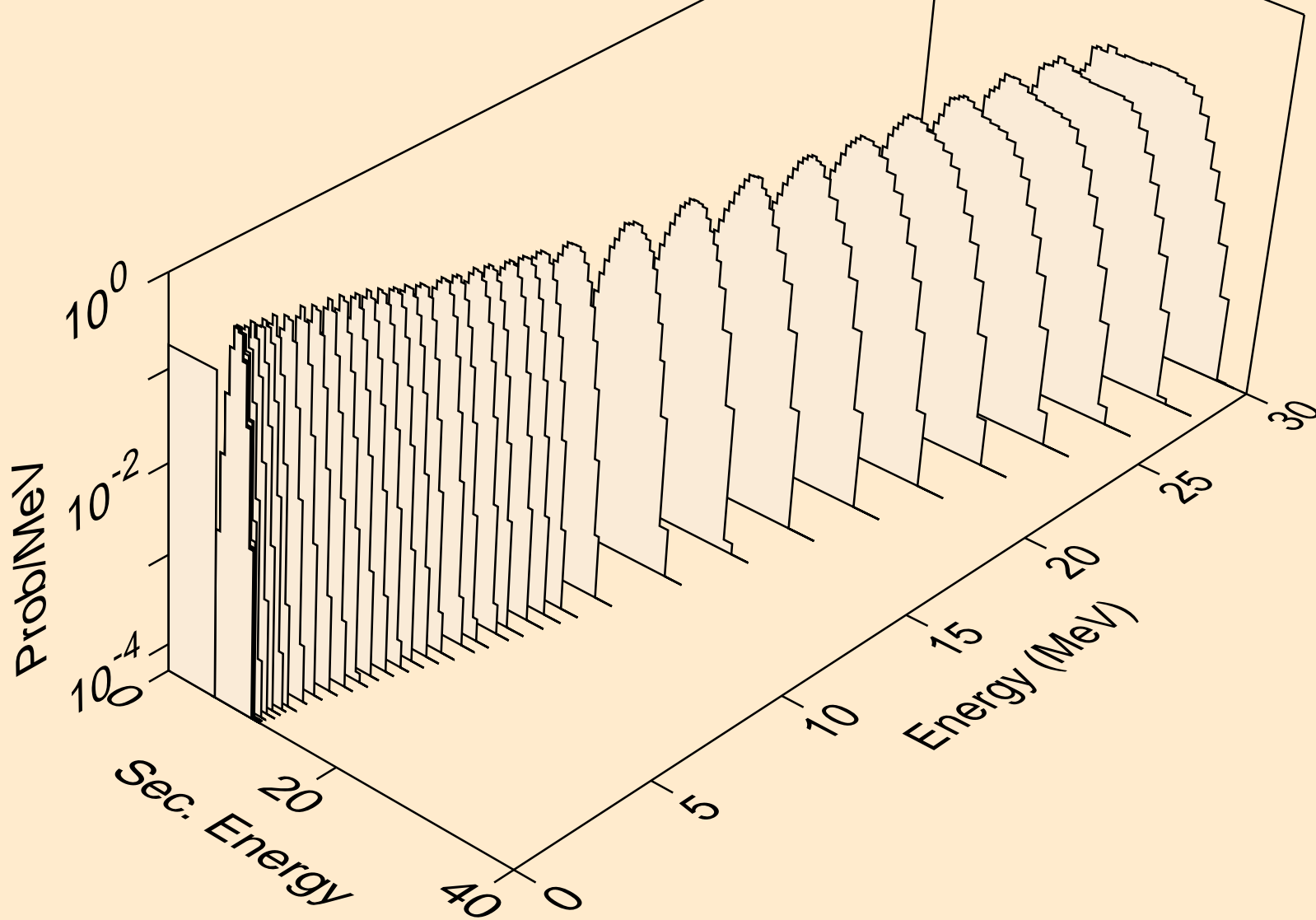
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



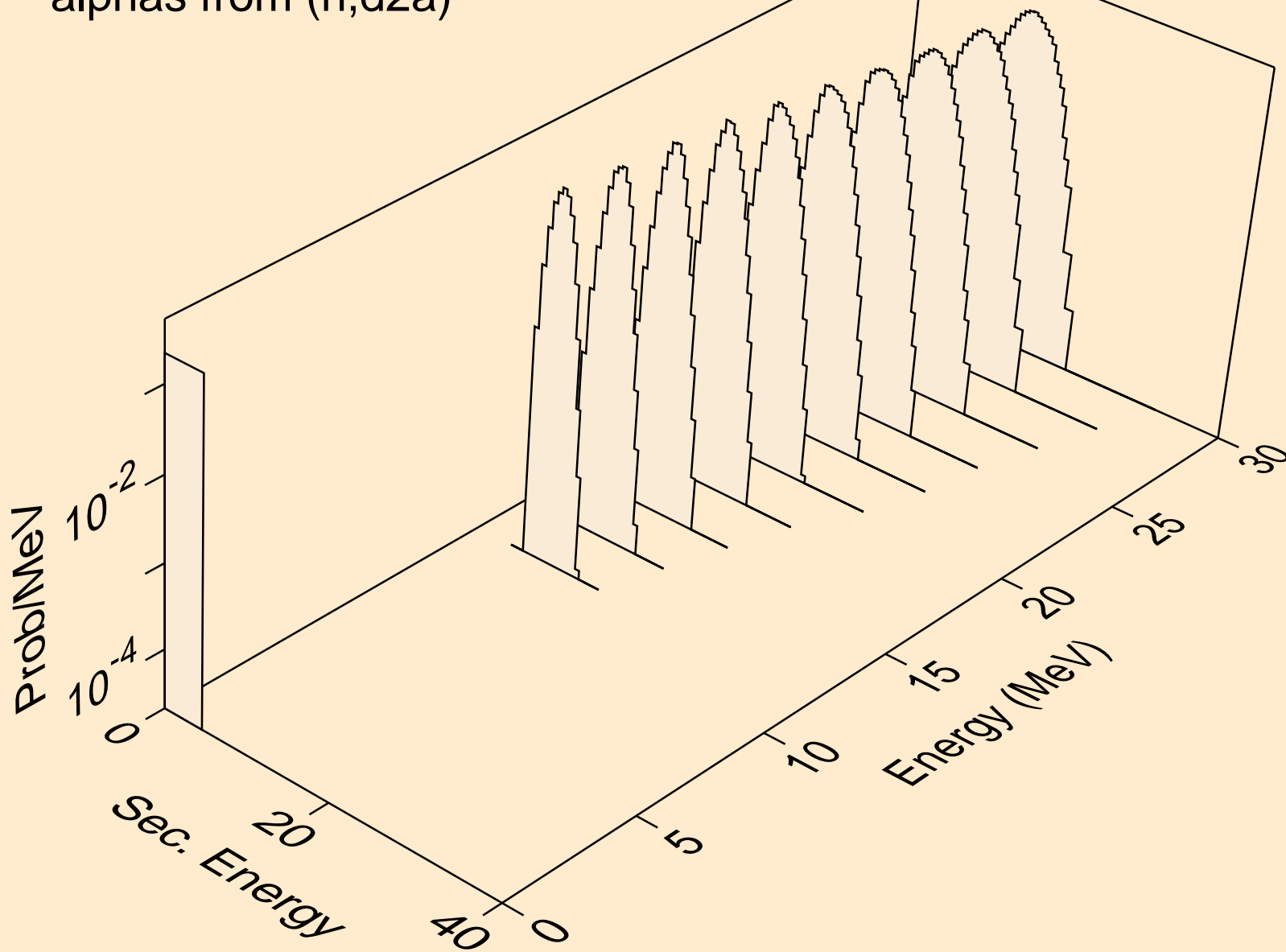
IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,p)



IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)





IR175 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

