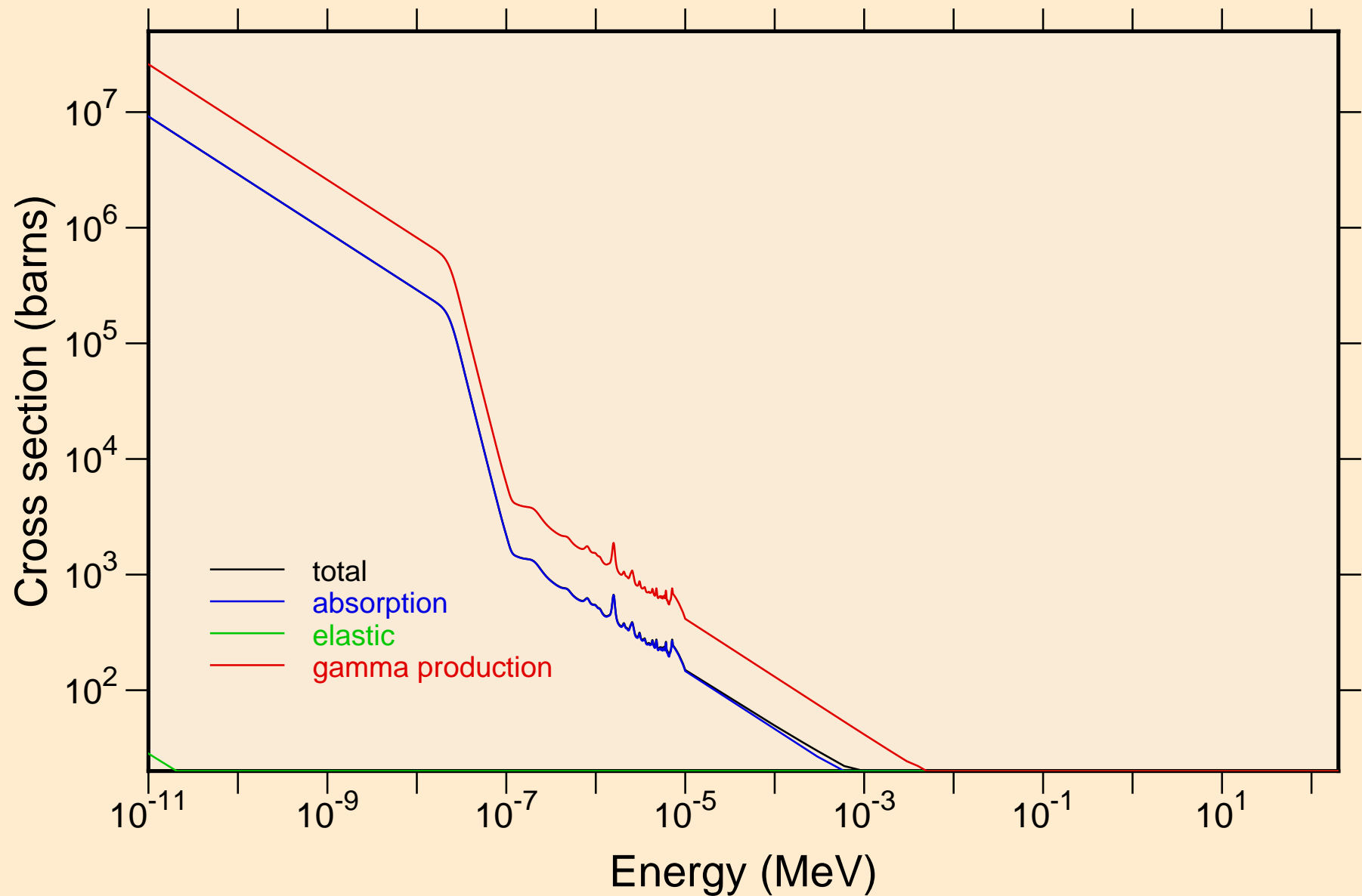
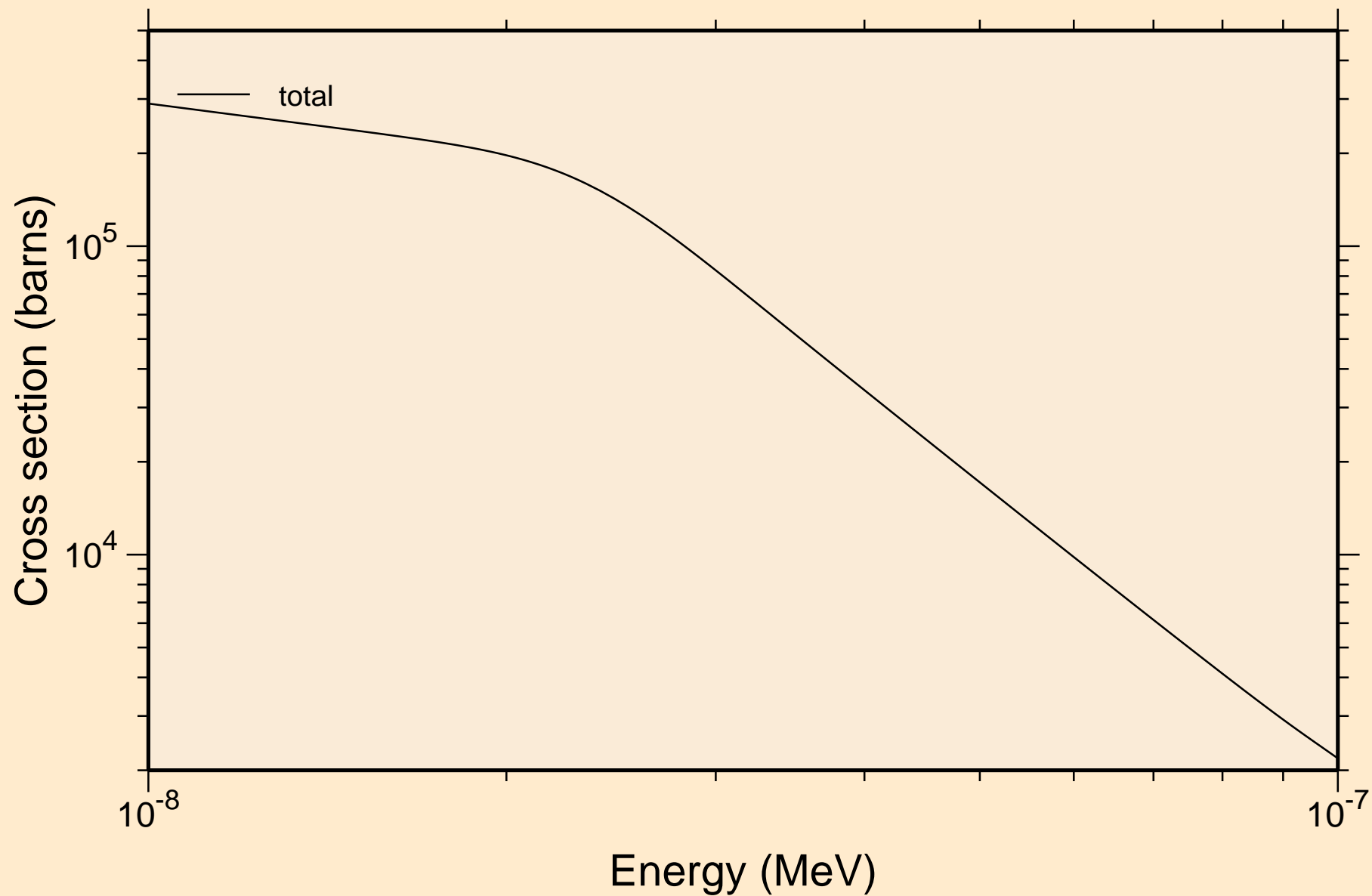


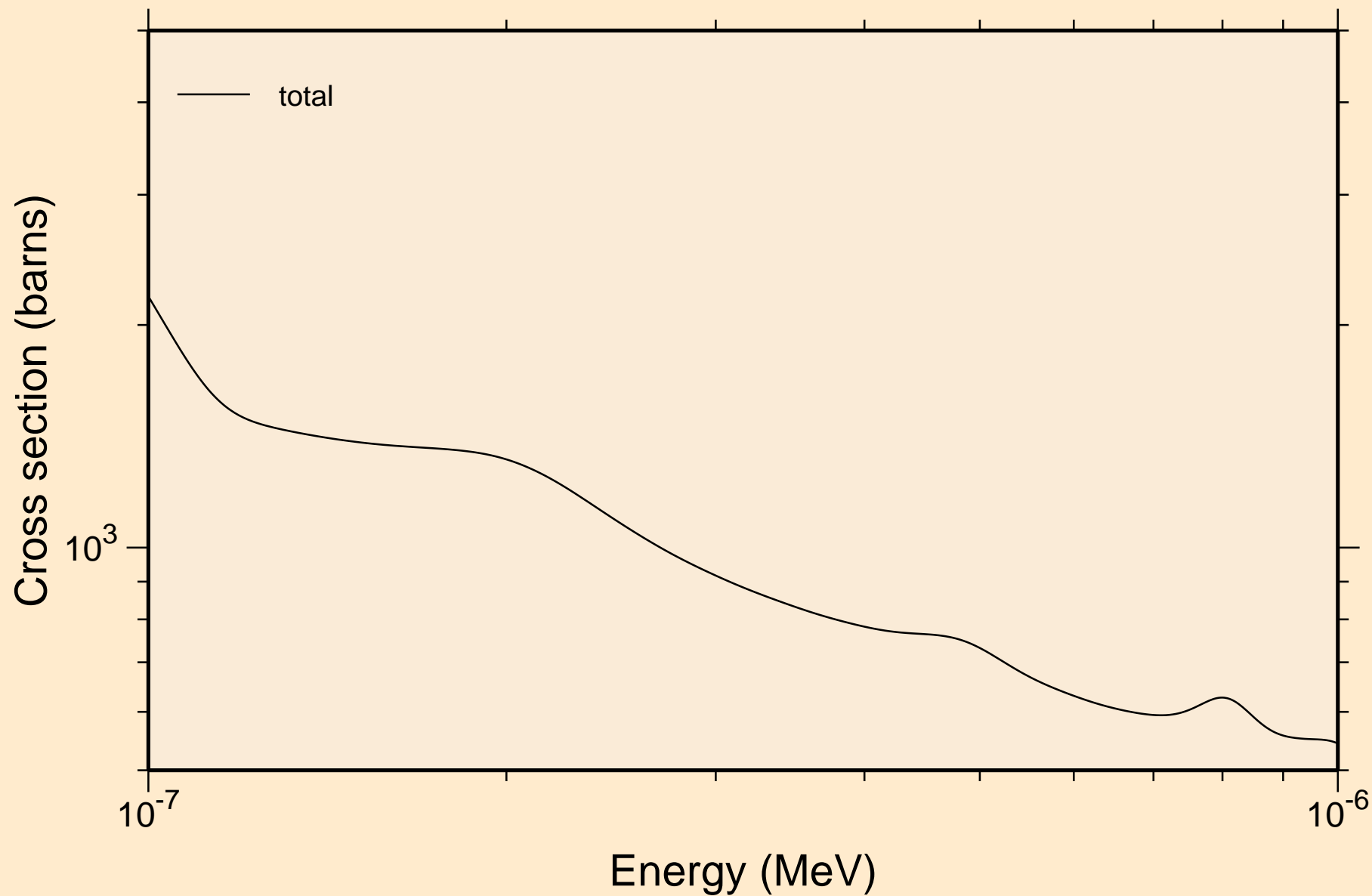
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



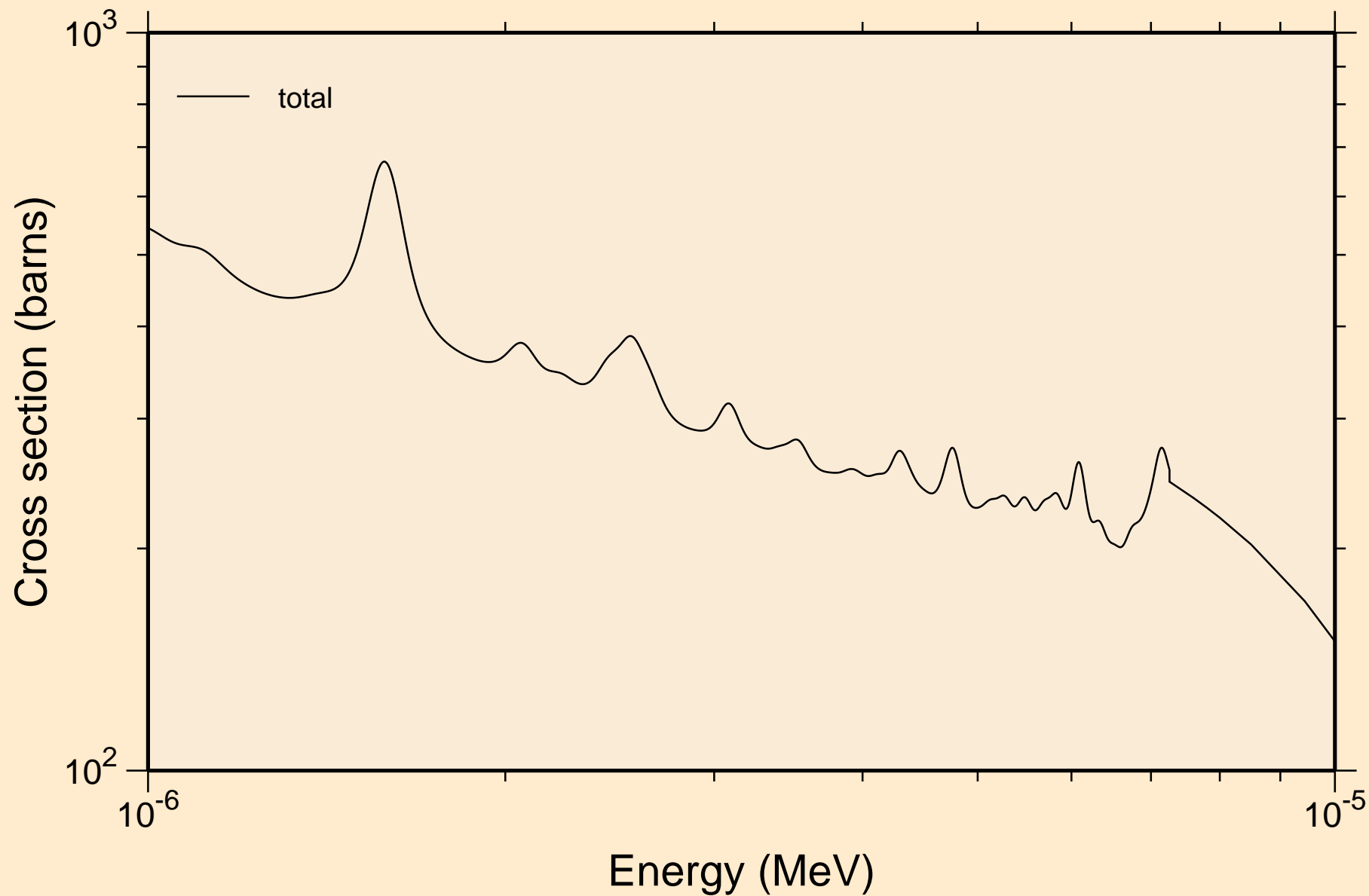
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resonance total cross section



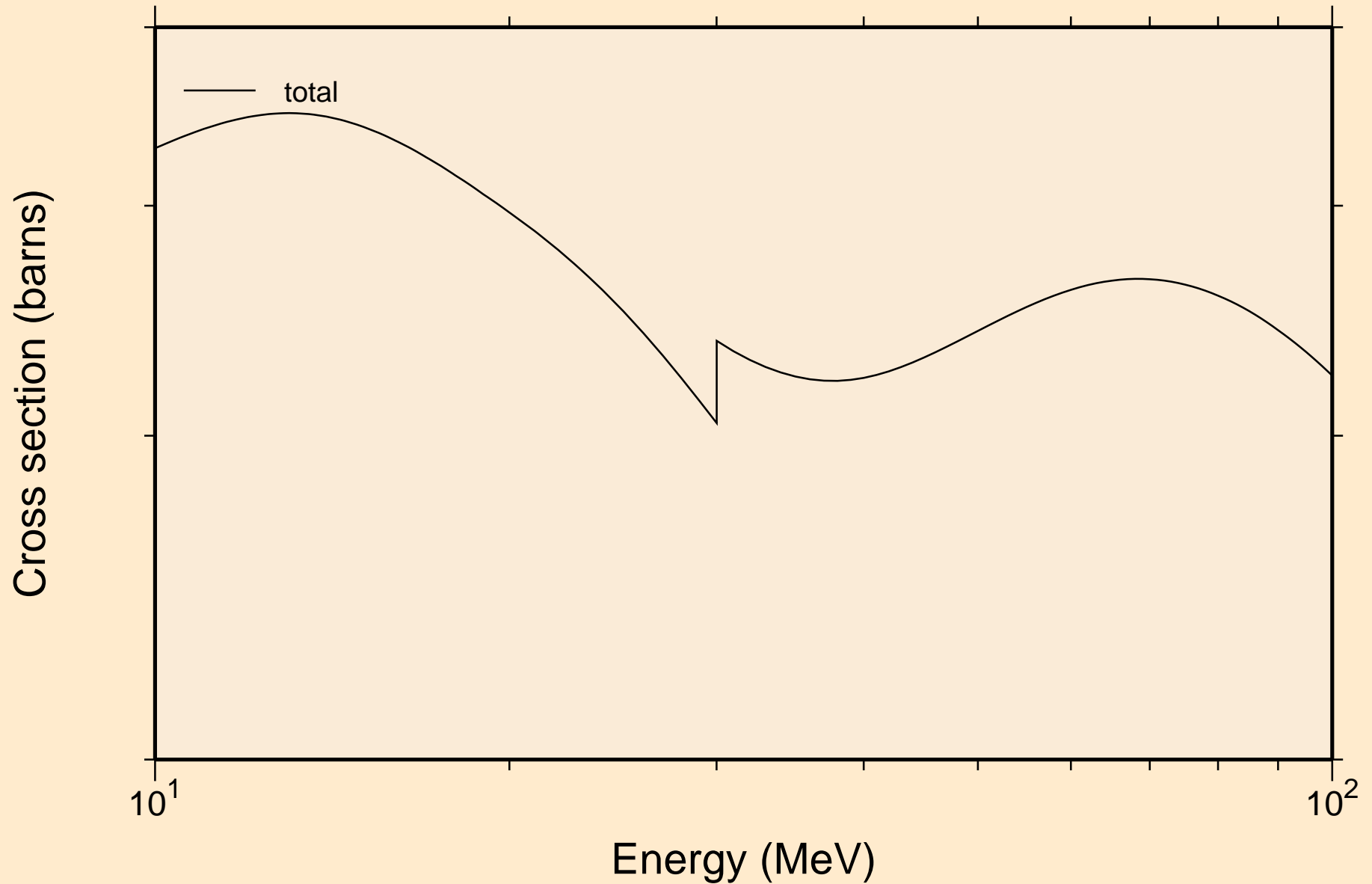
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resonance total cross section



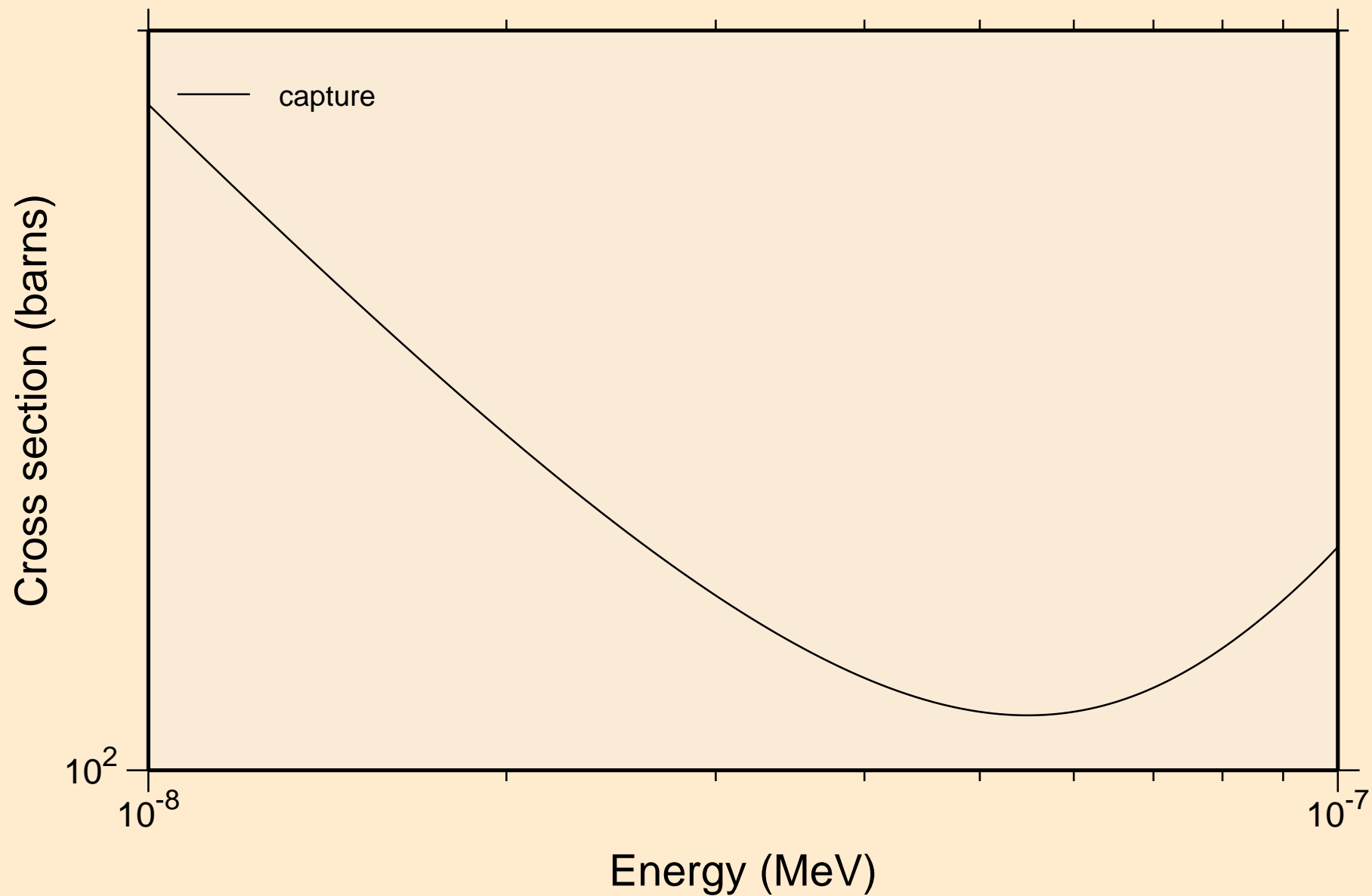
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resonance total cross section



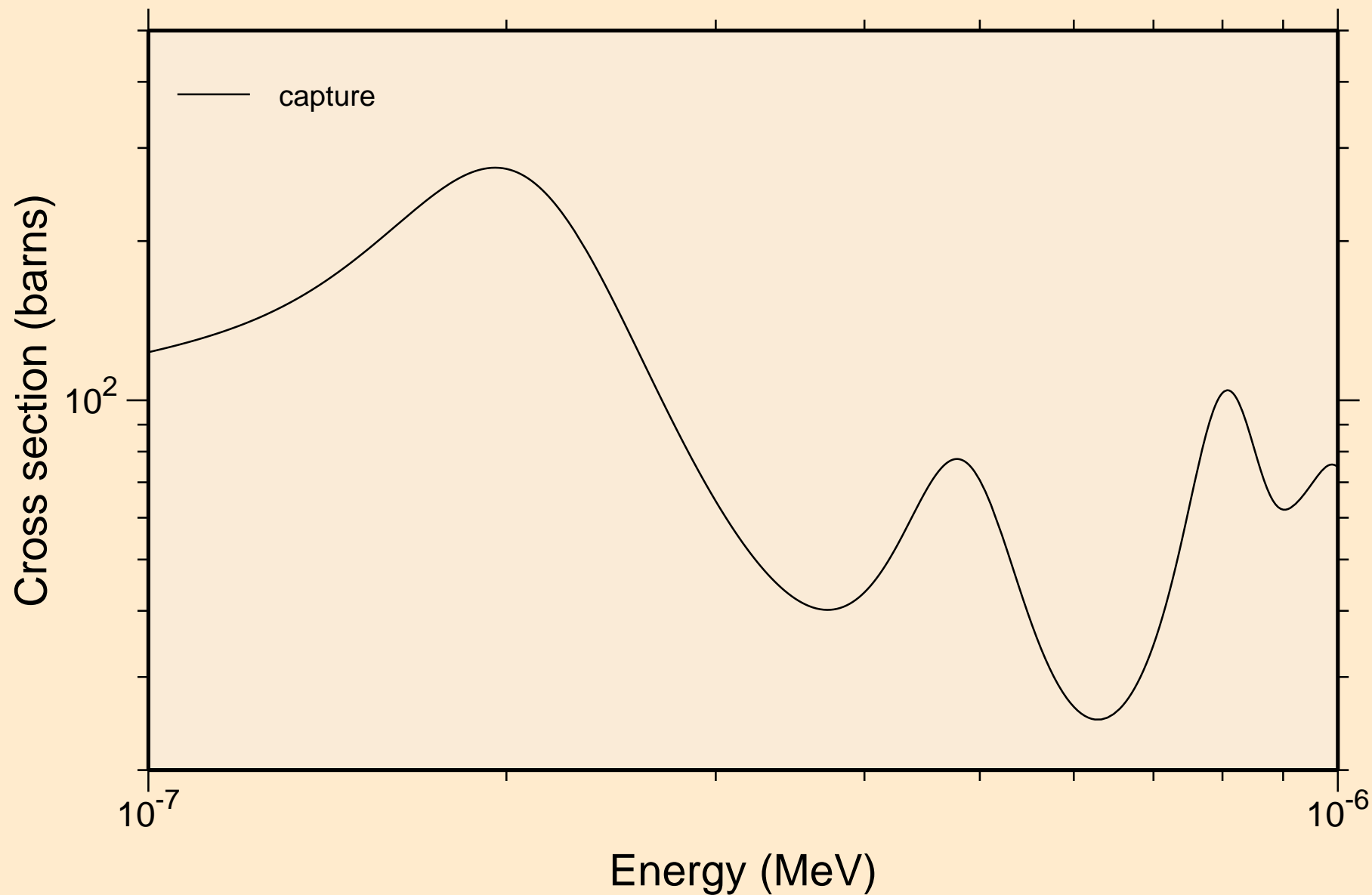
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resonance total cross section



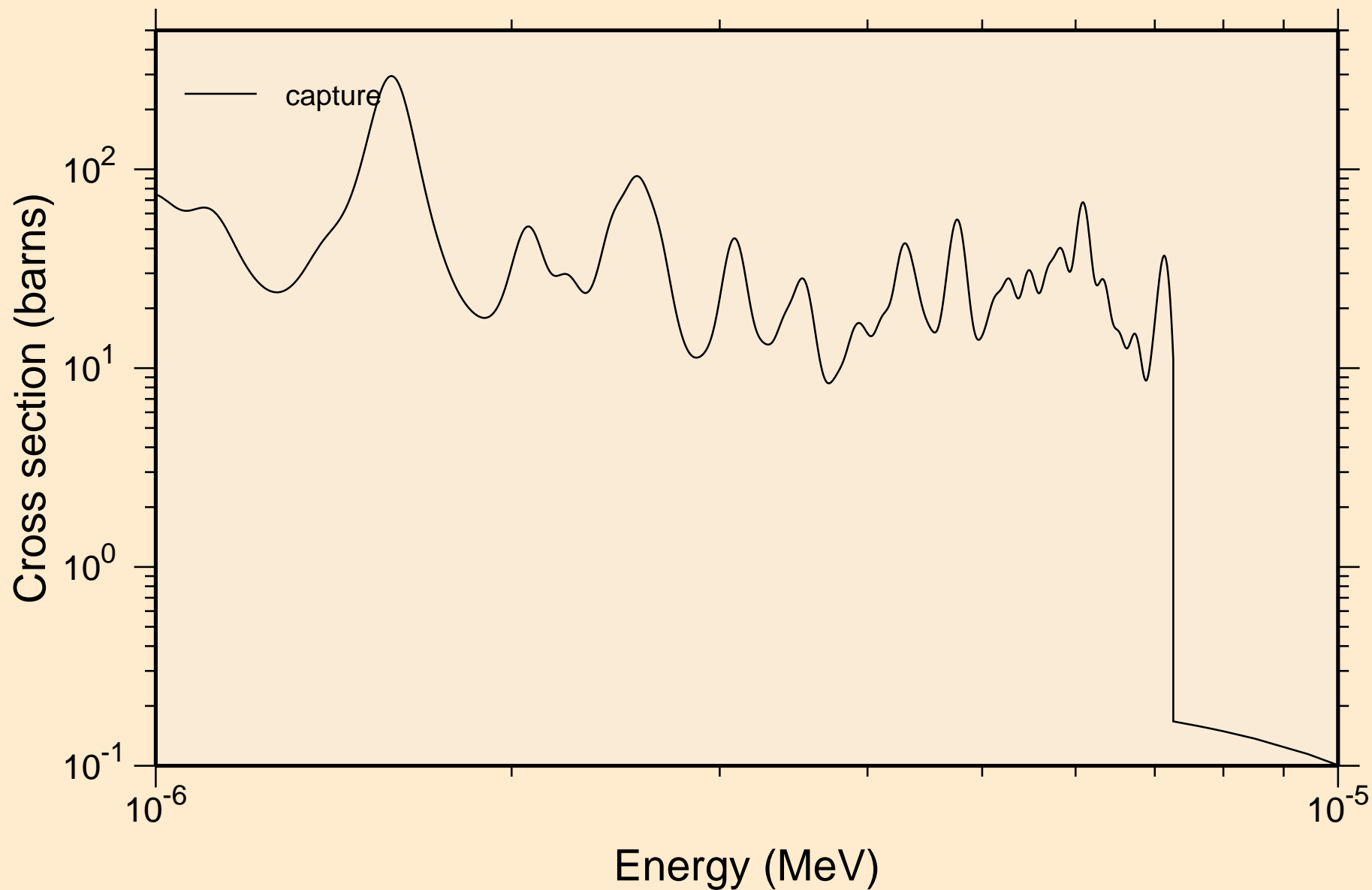
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

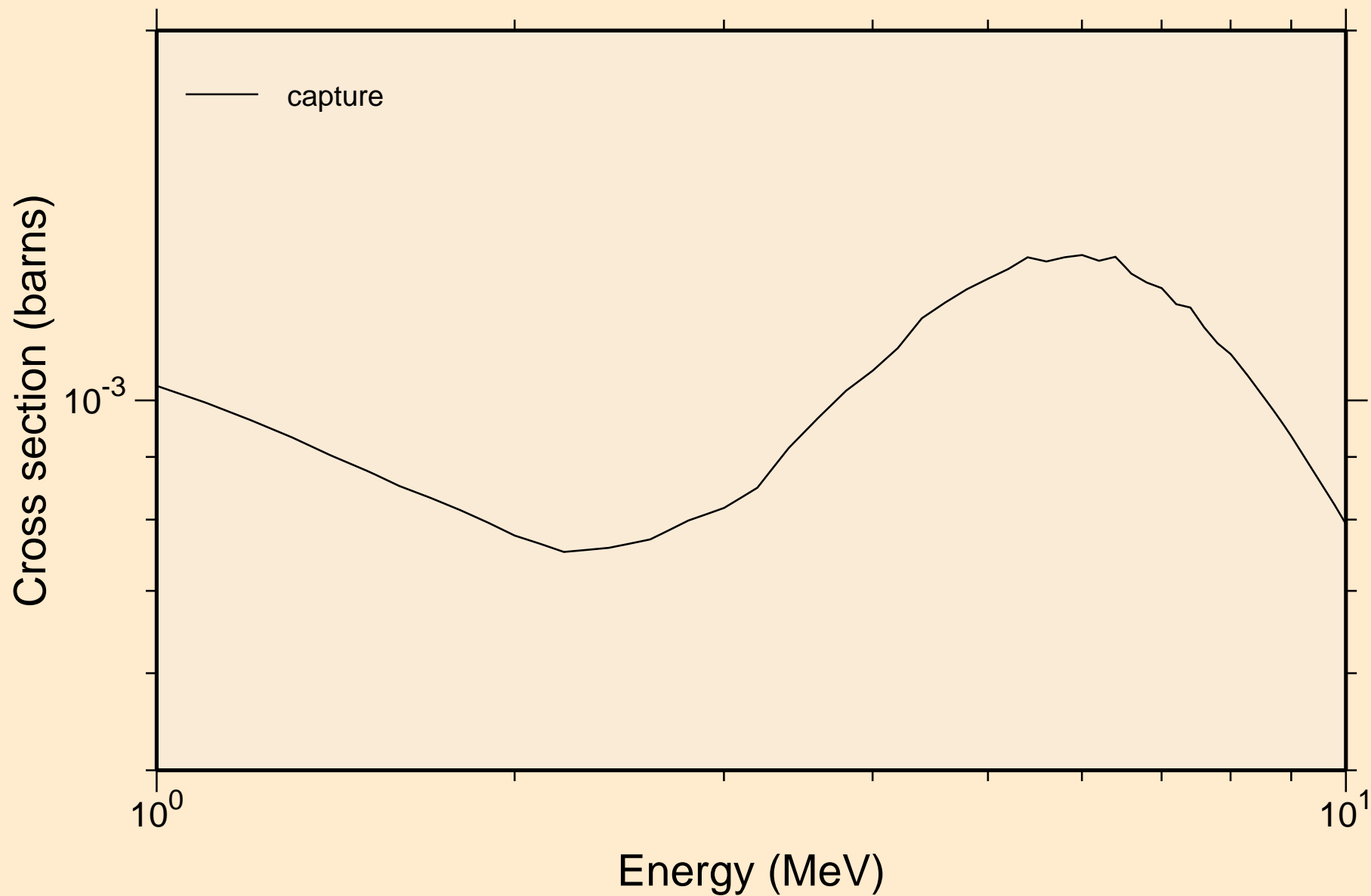


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

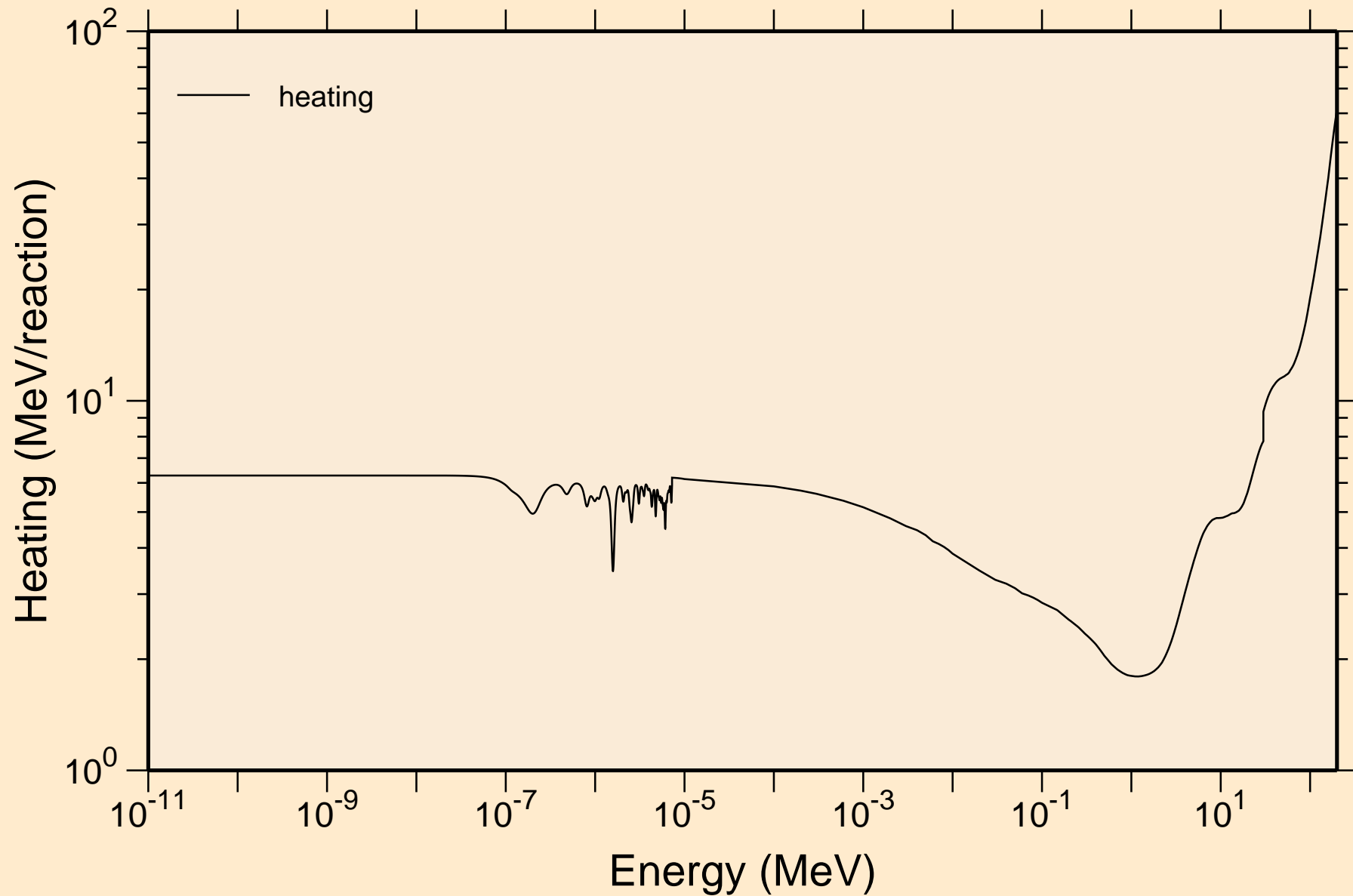




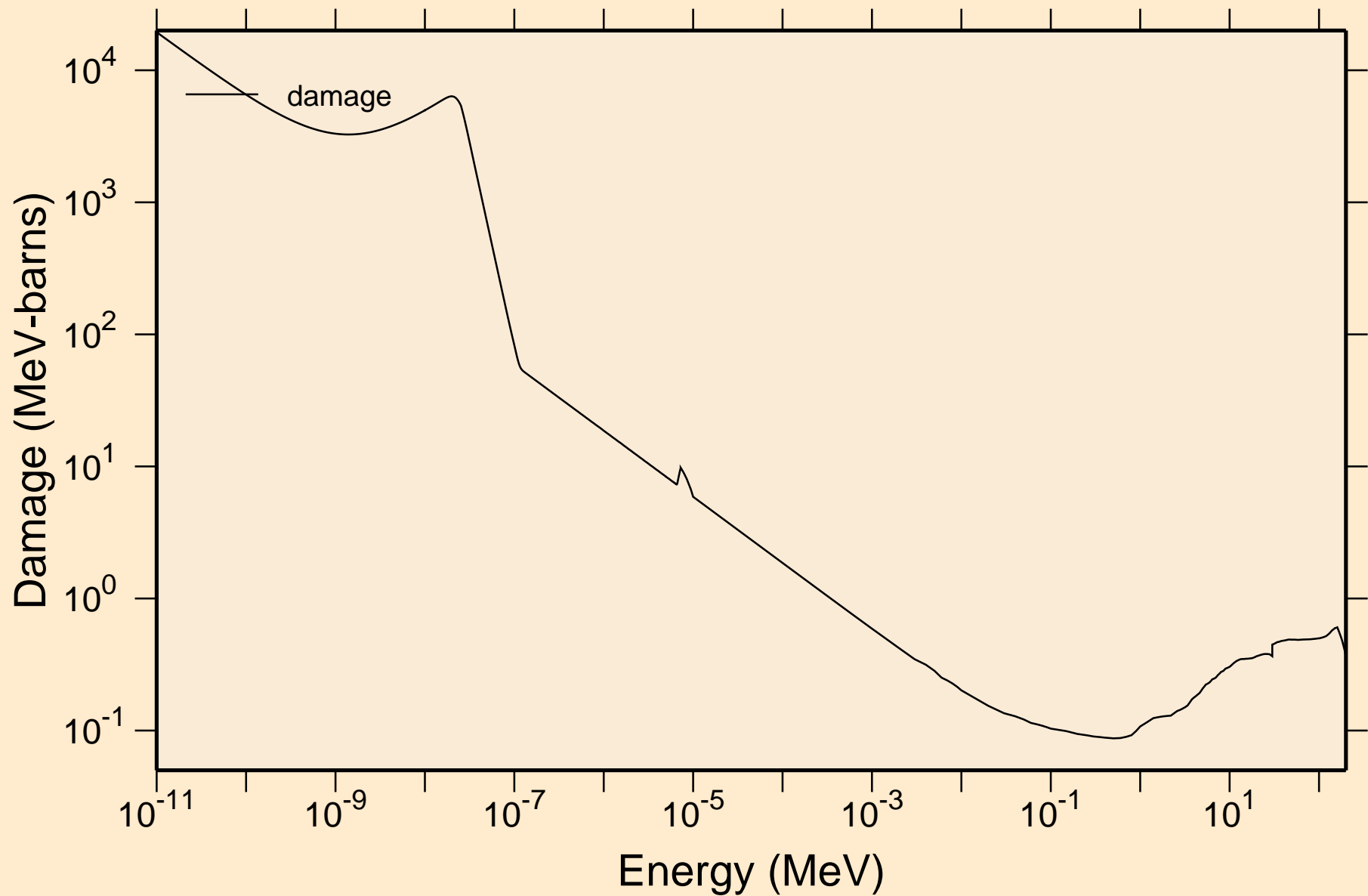
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

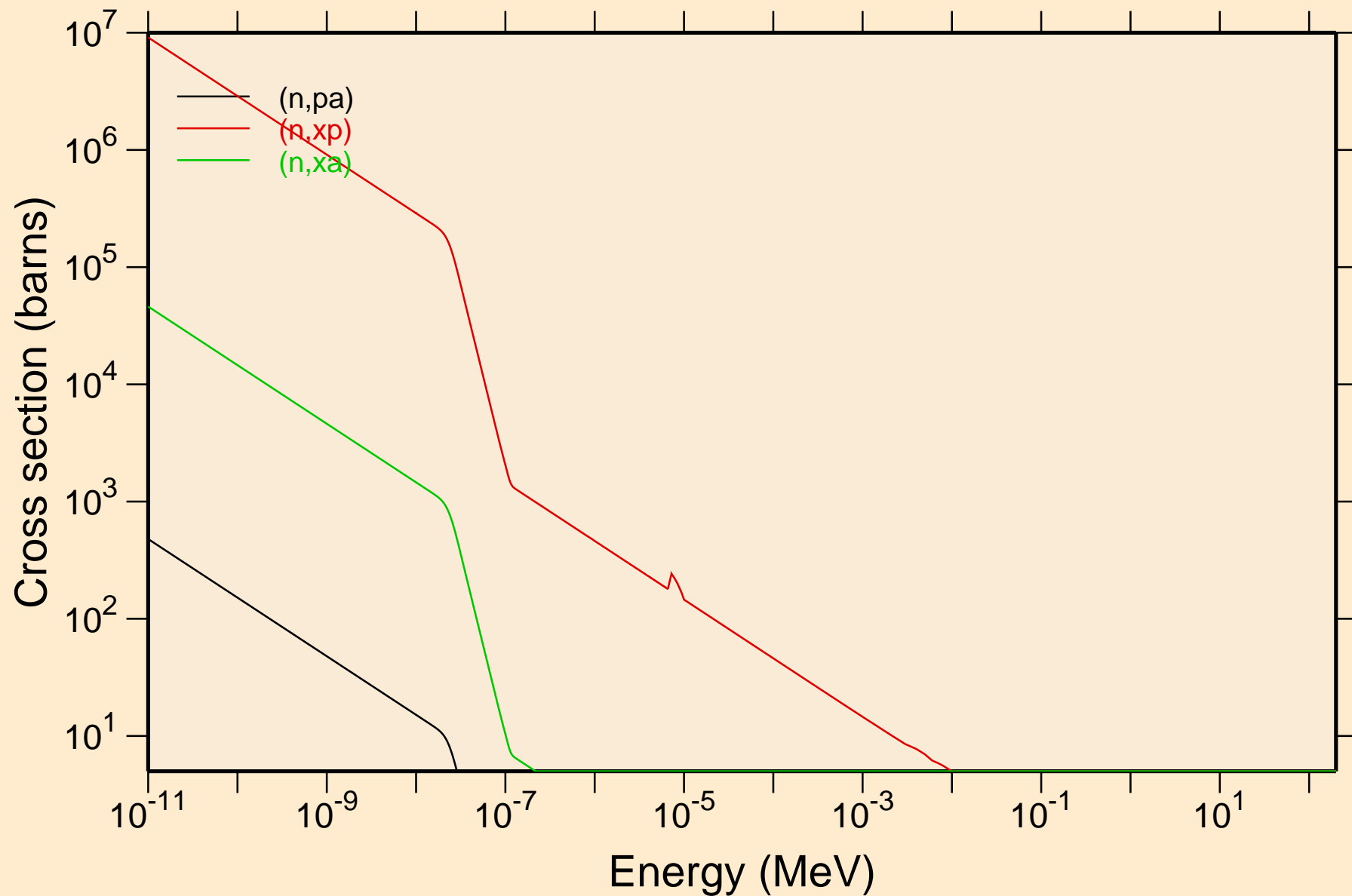


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

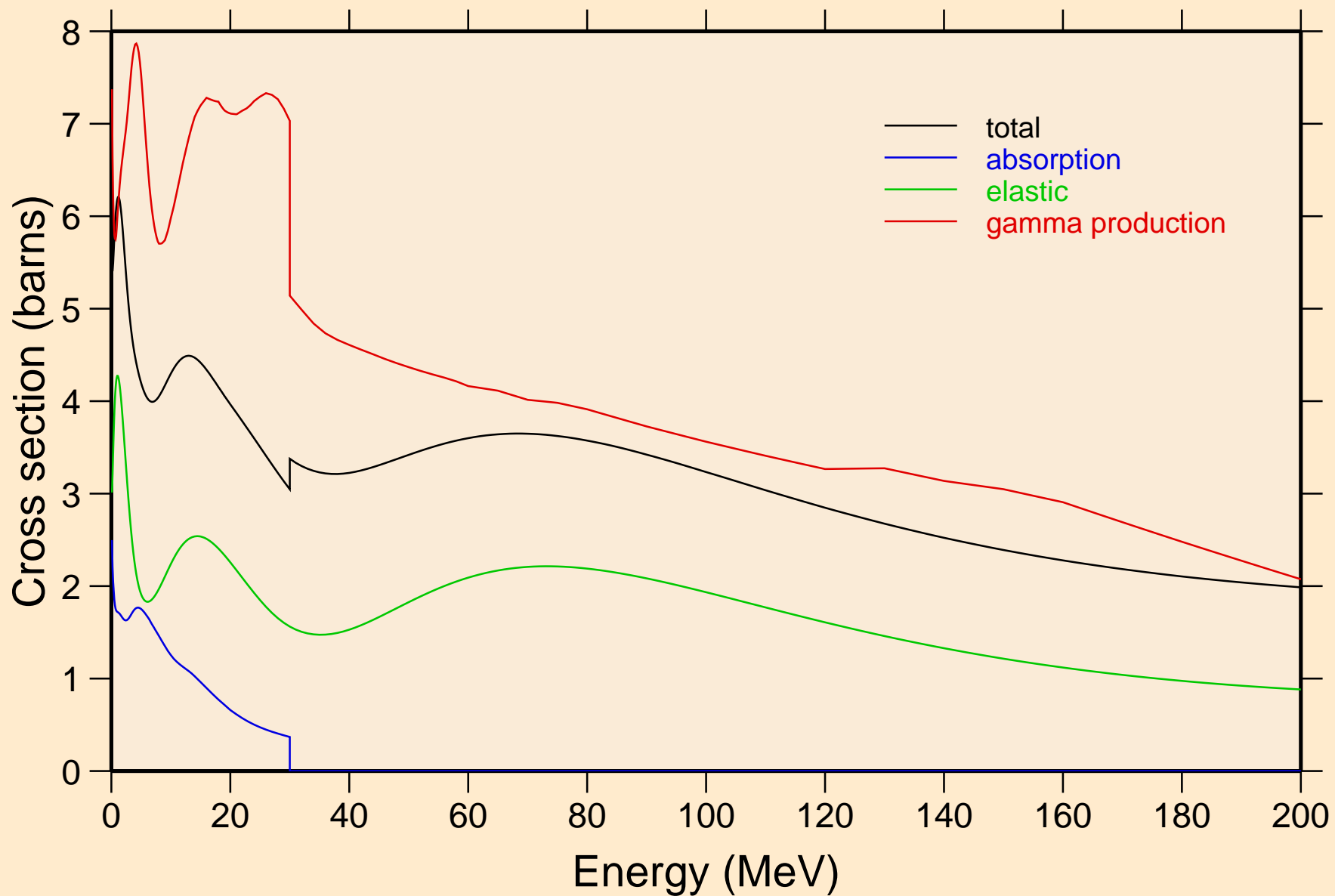




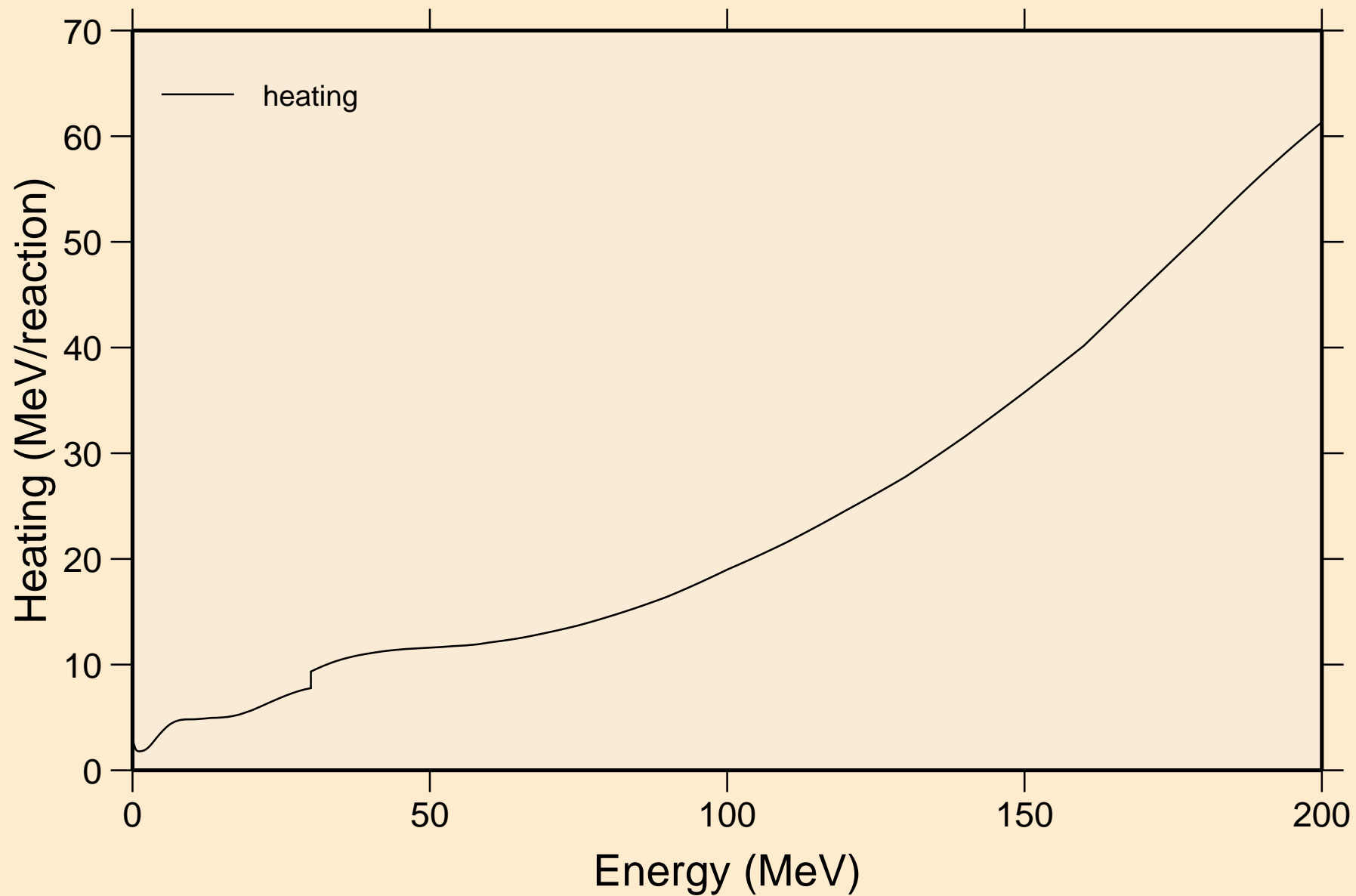
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



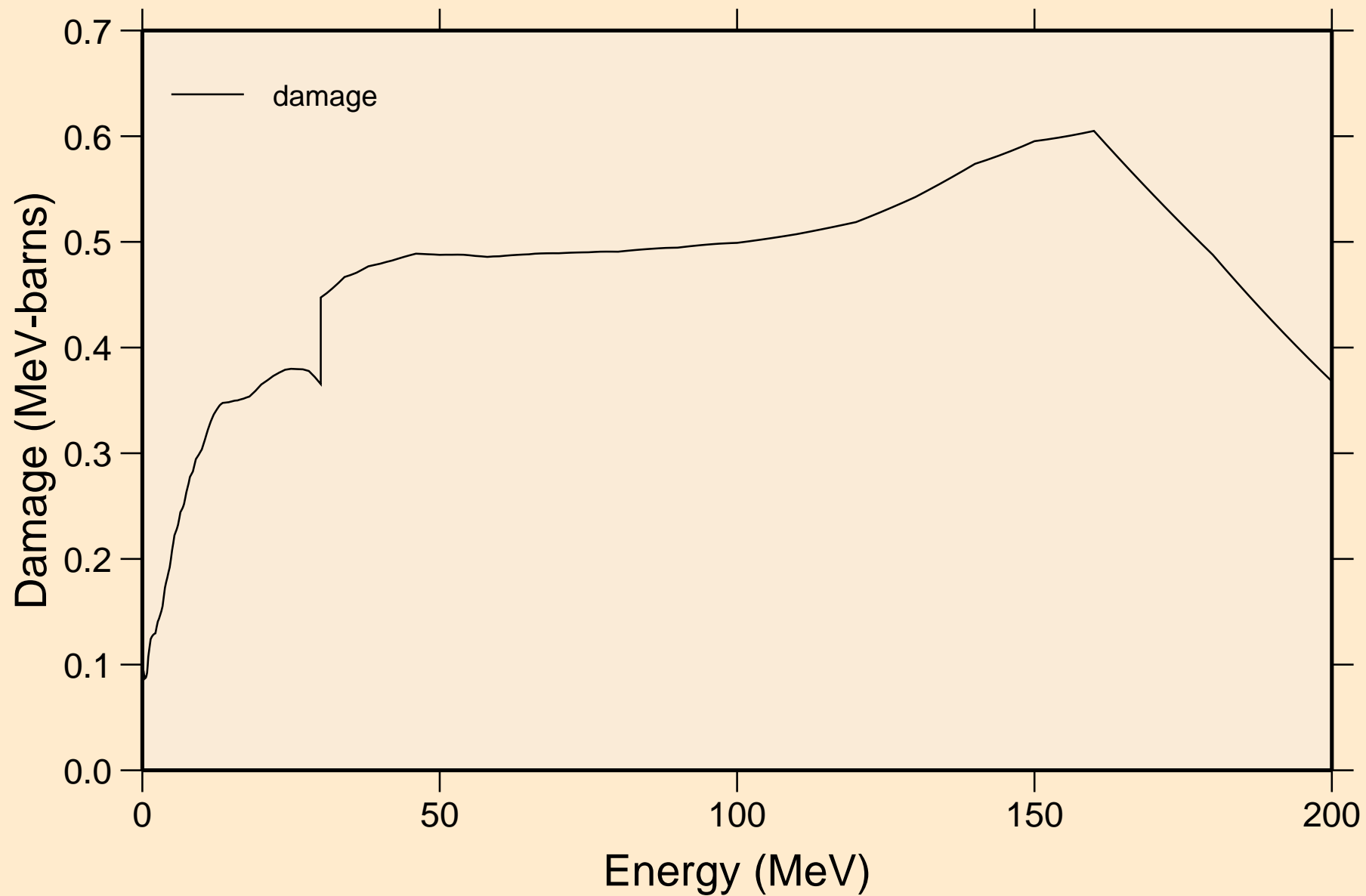
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

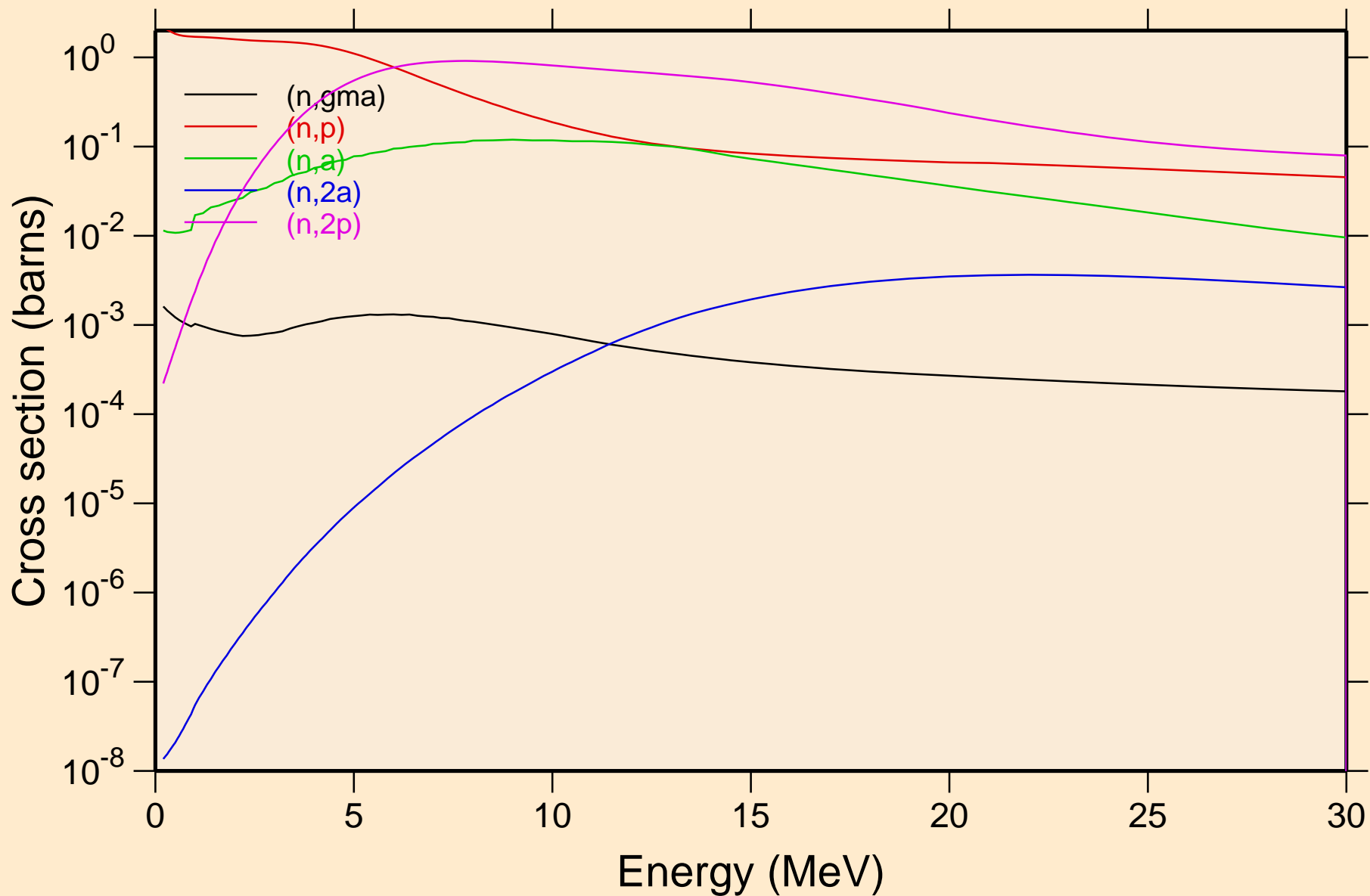


# CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

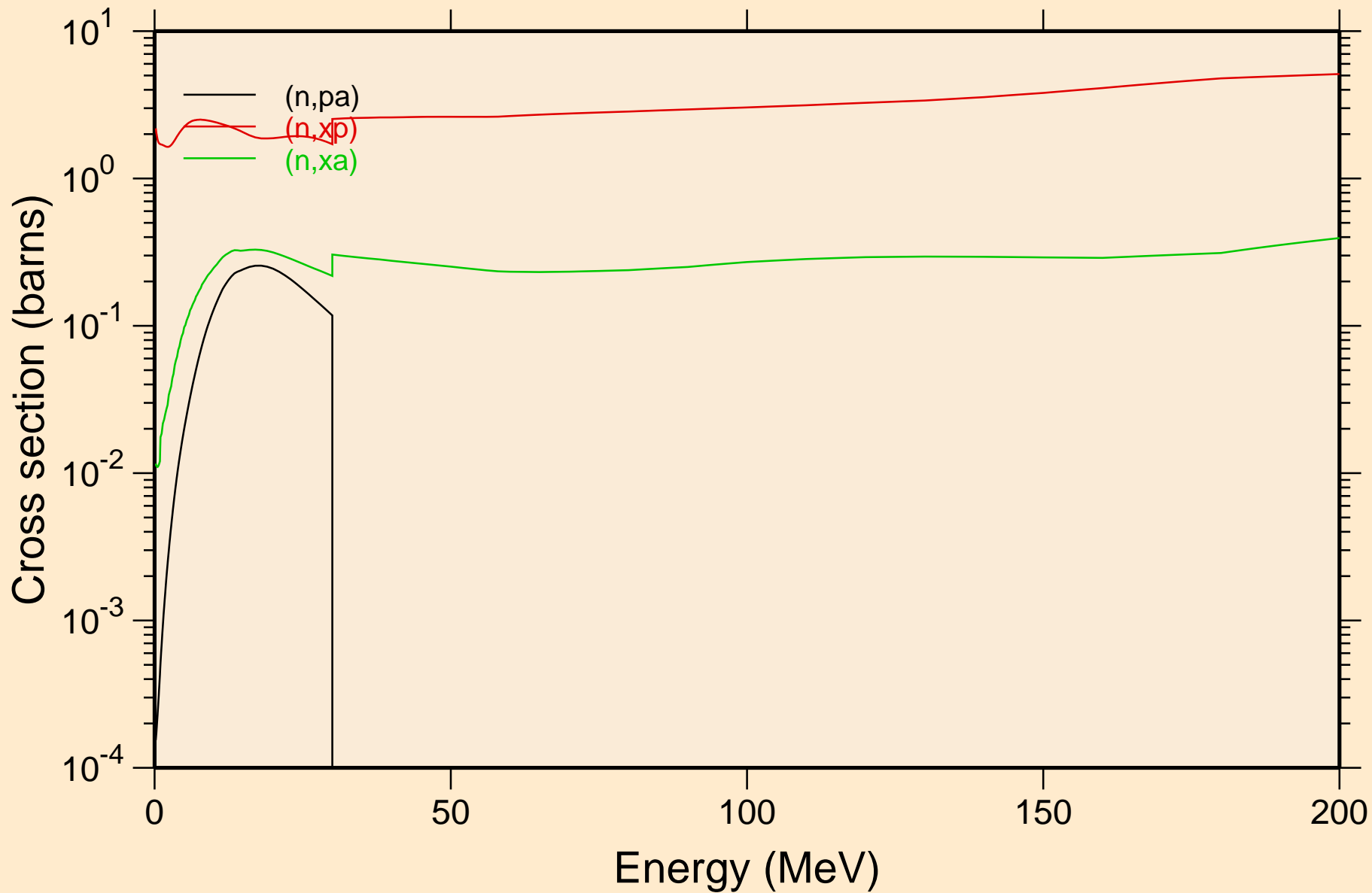




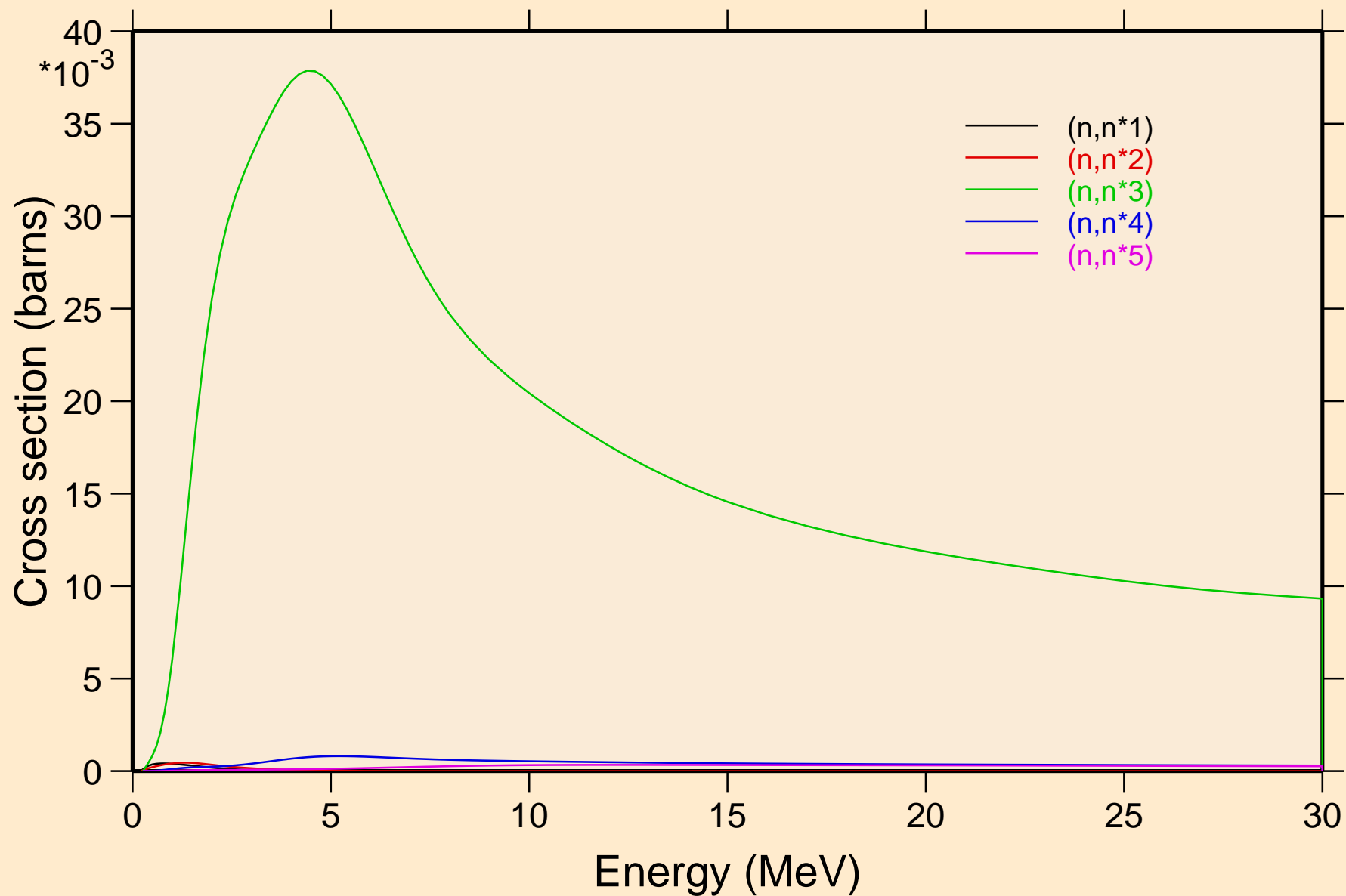
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



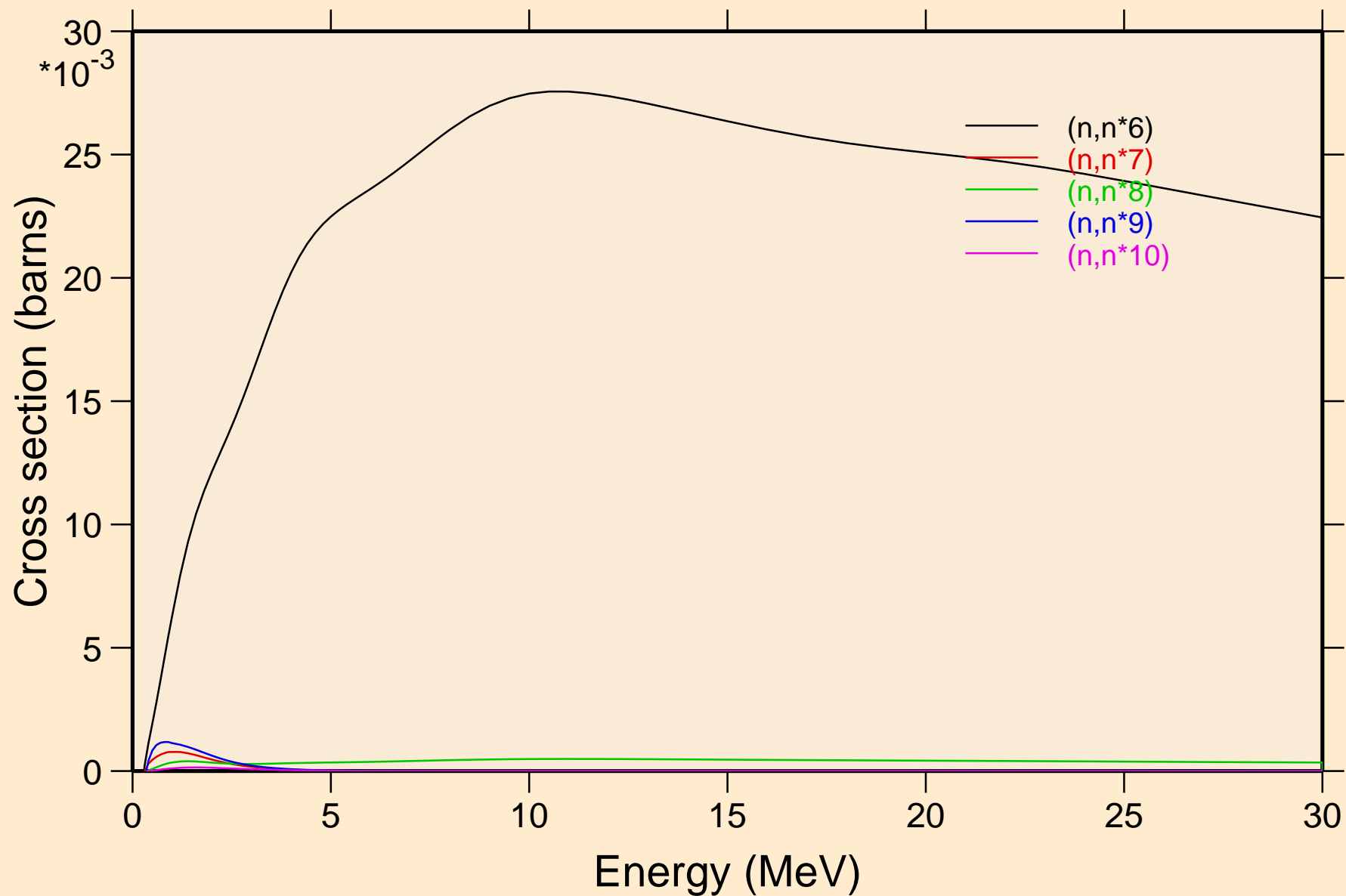
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



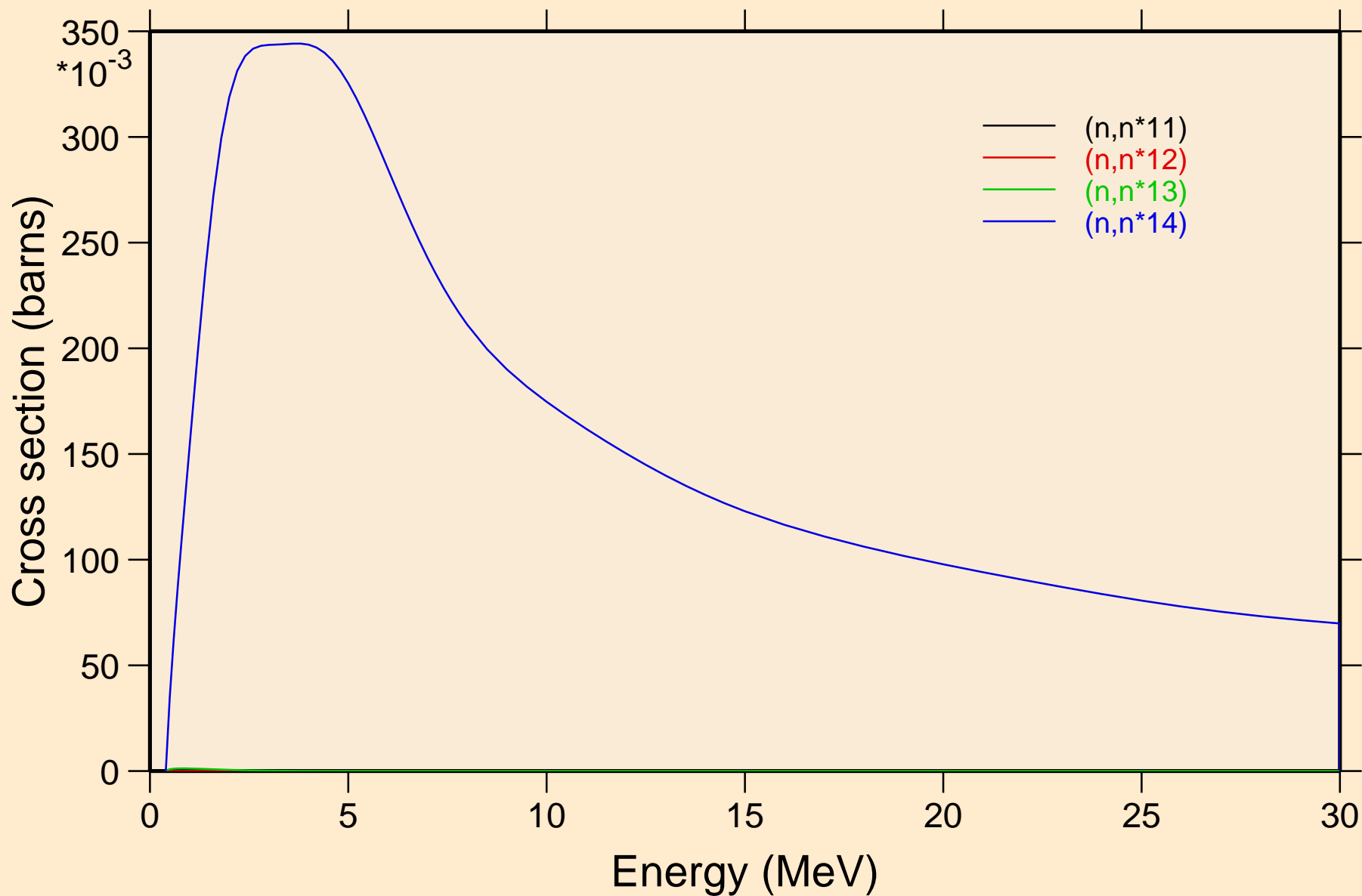
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

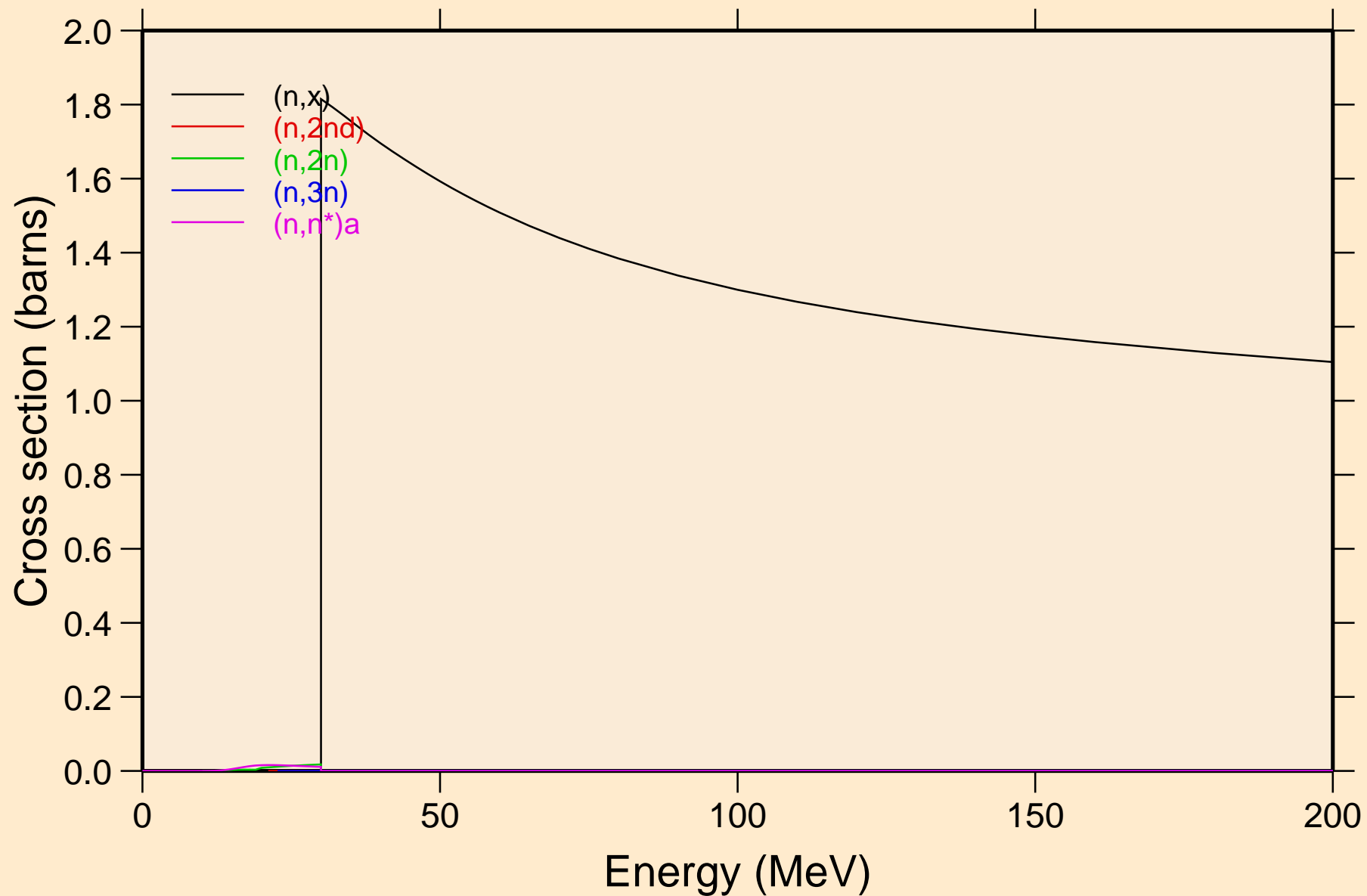


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

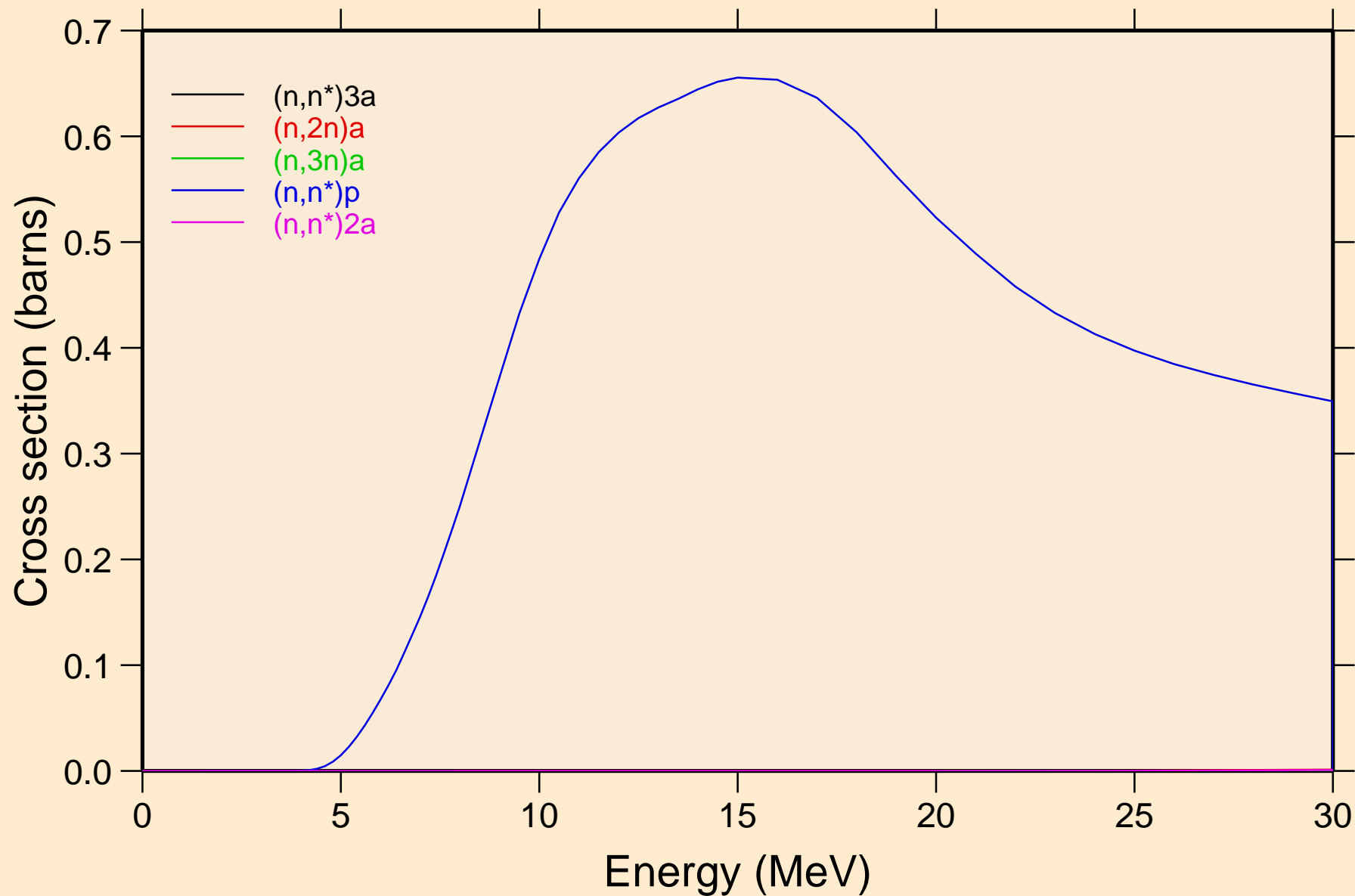


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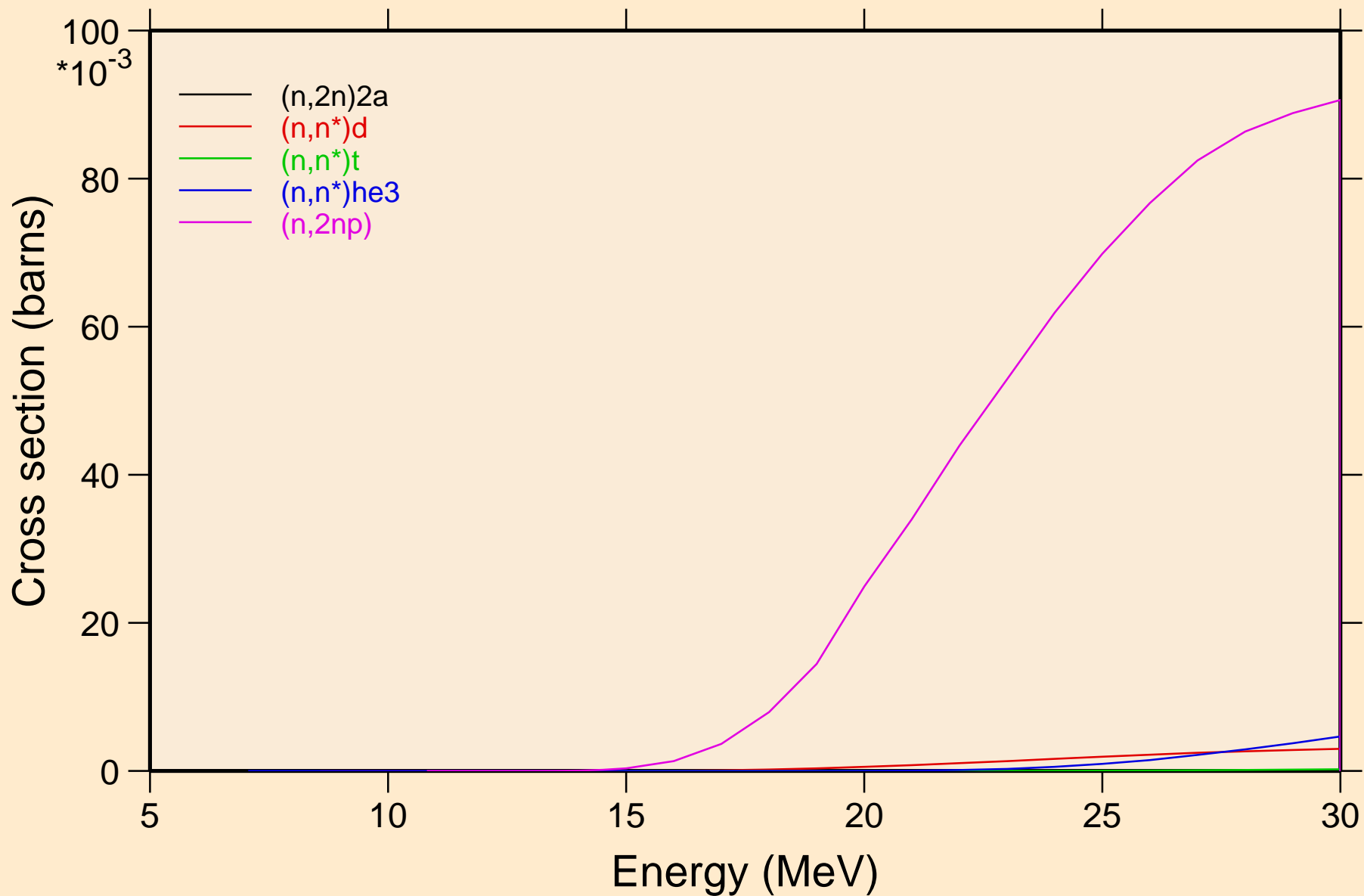
## Threshold reactions



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

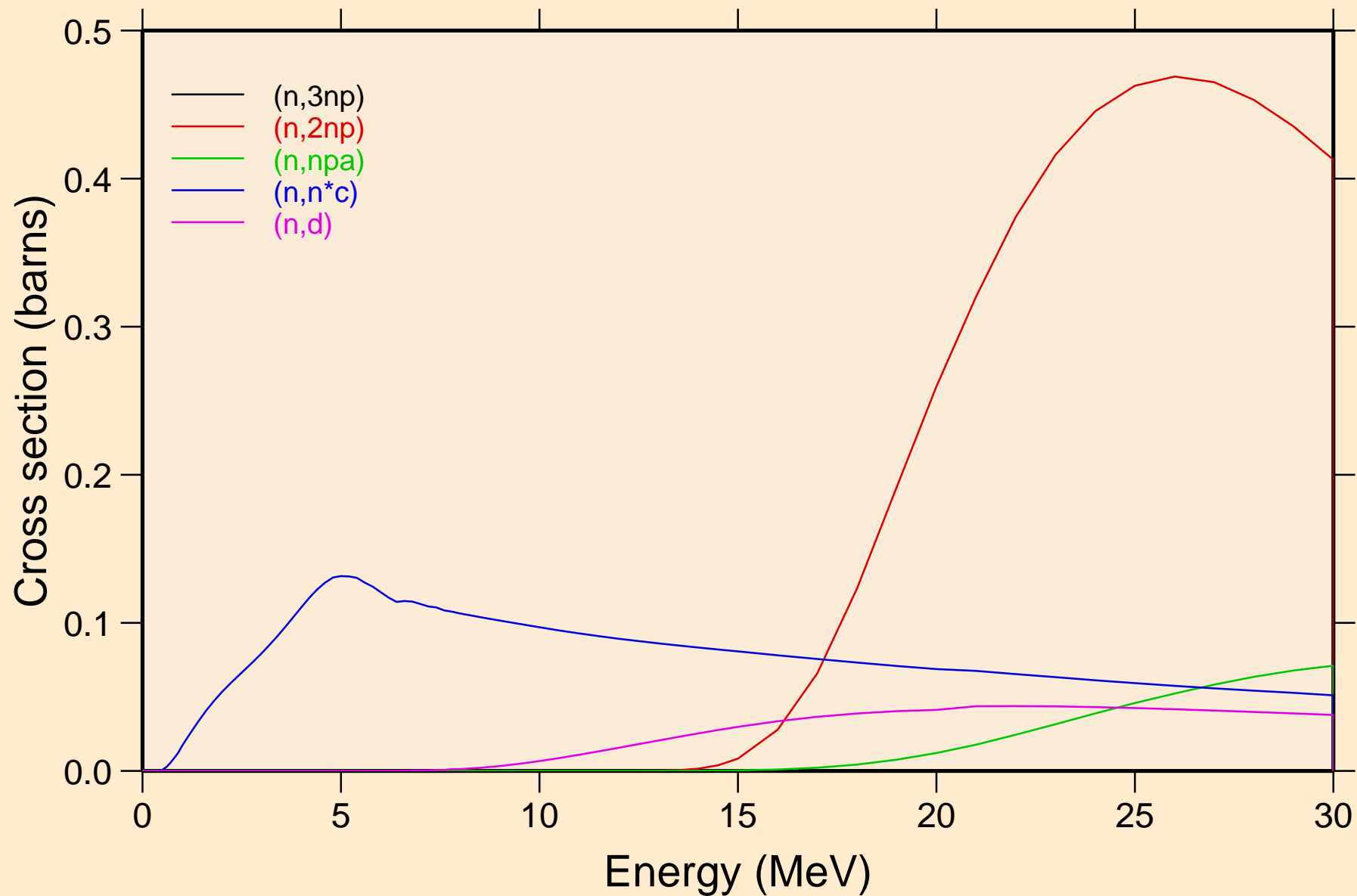


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

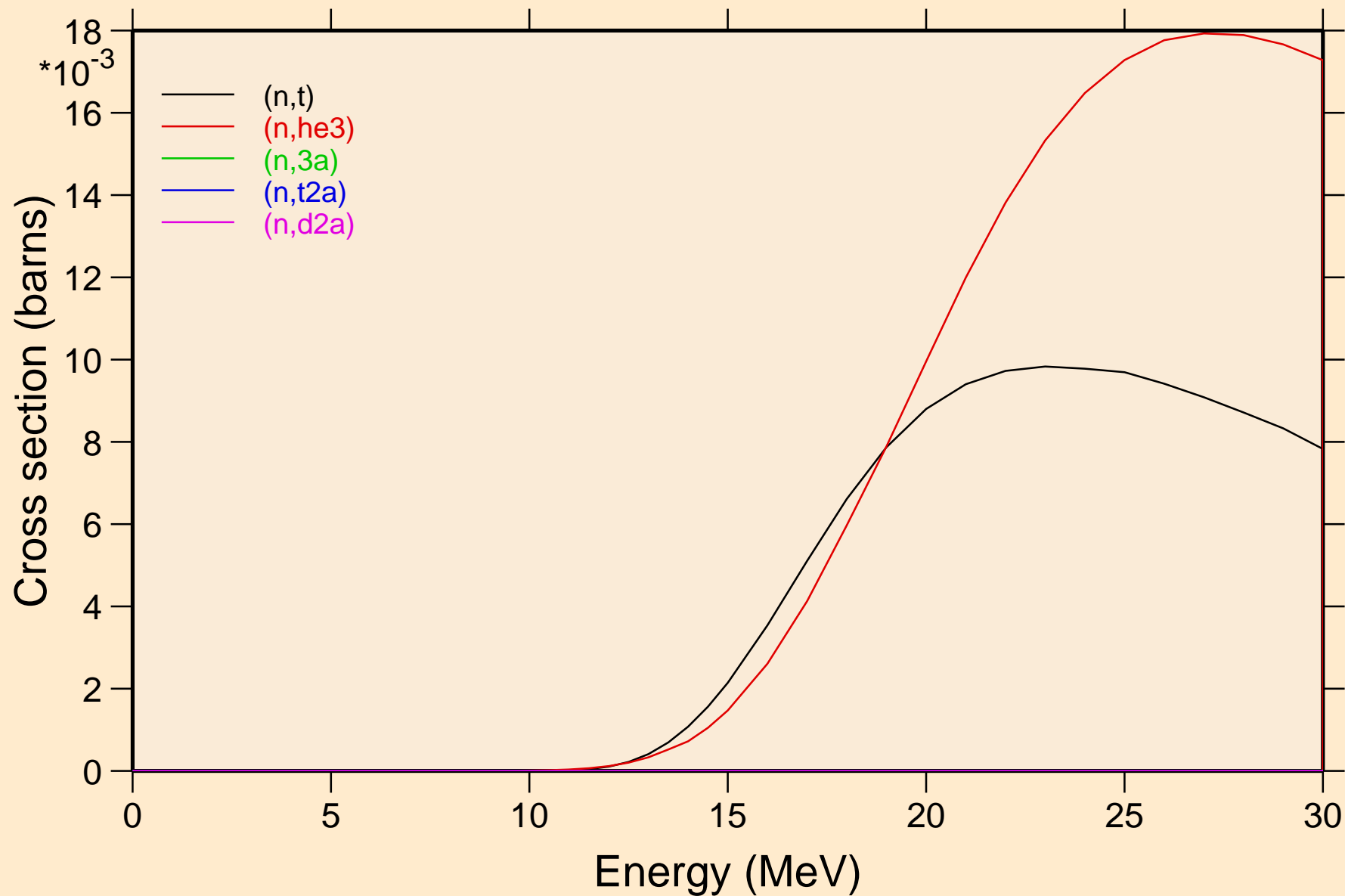




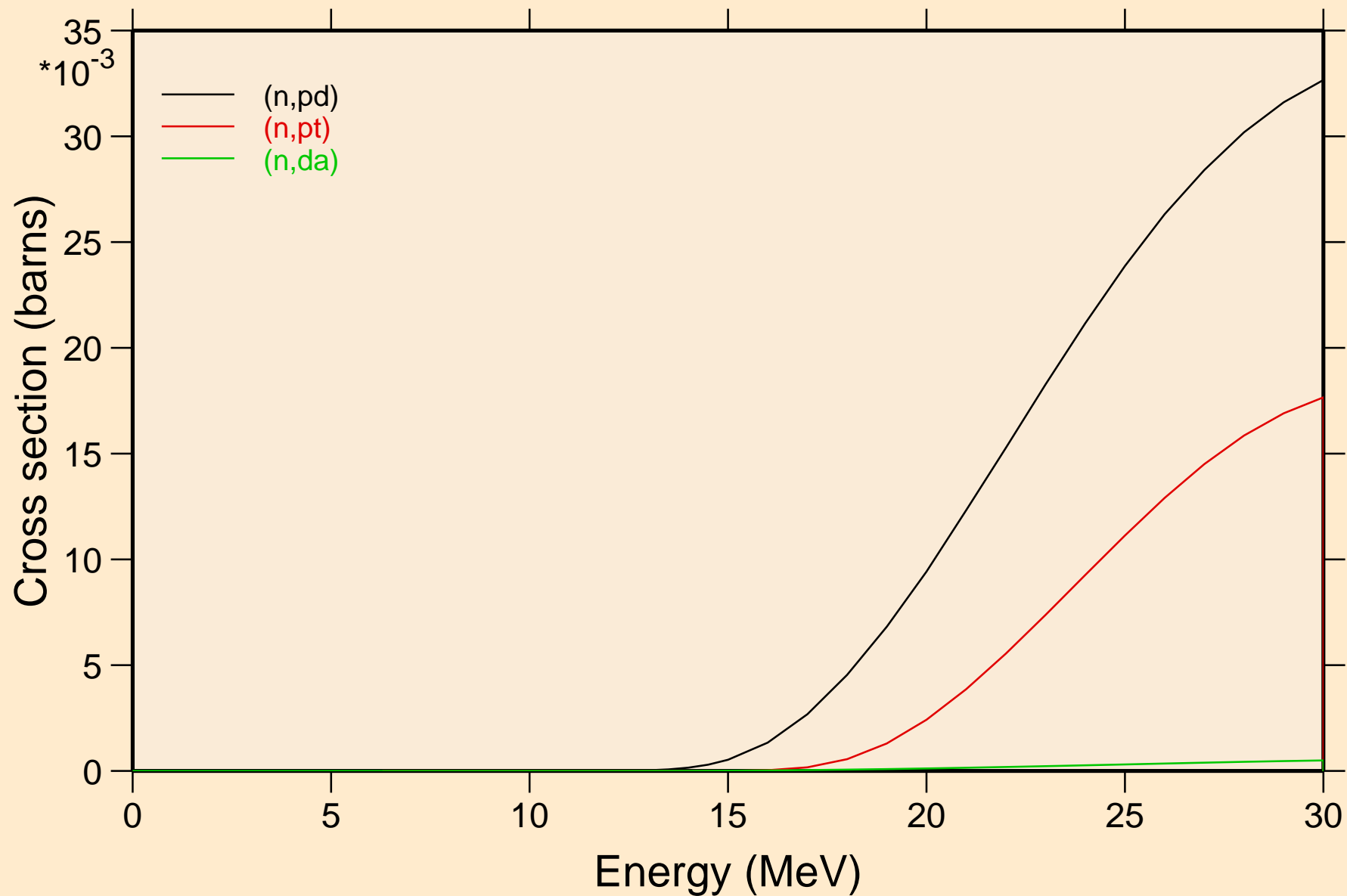
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



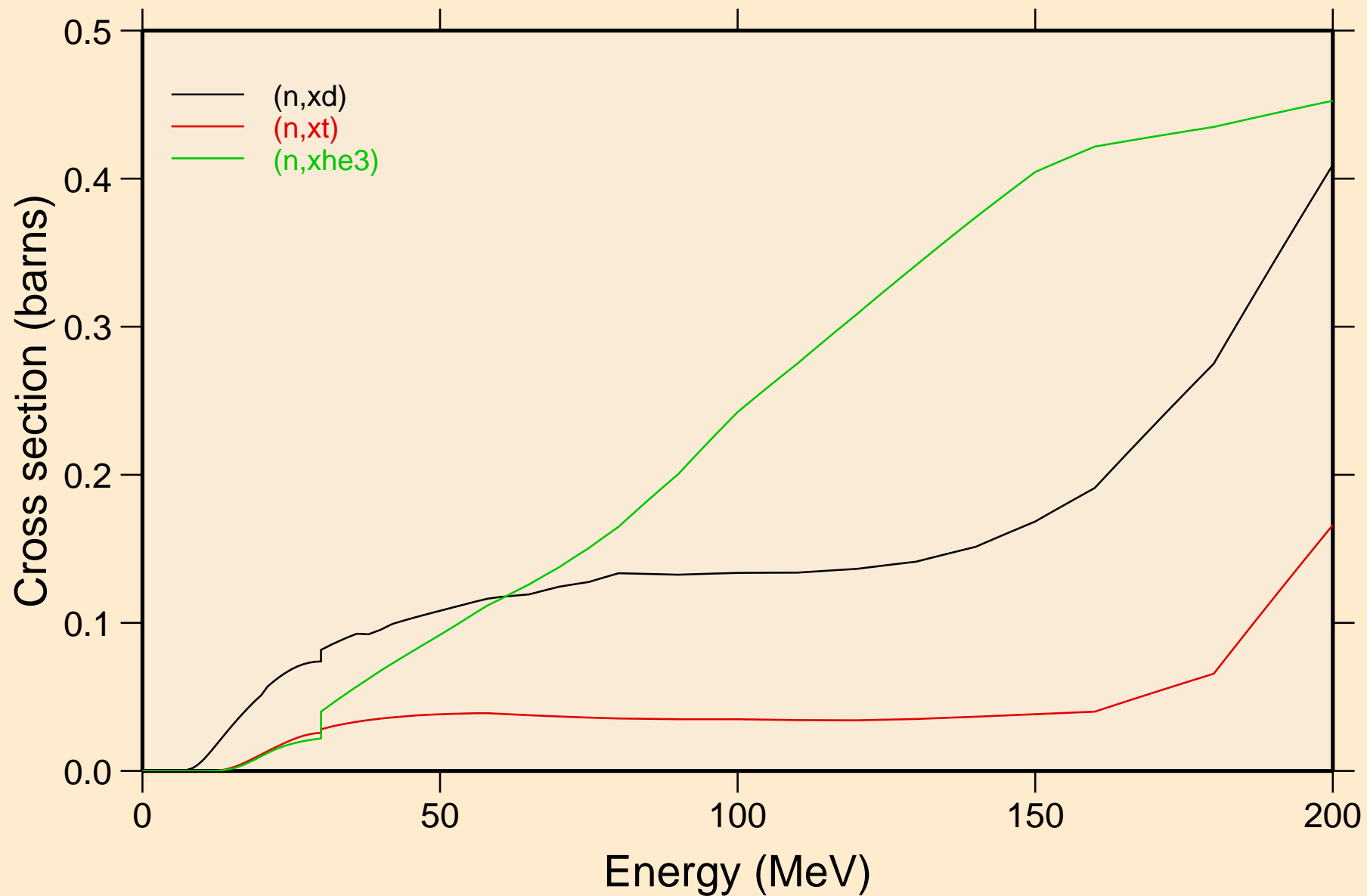
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



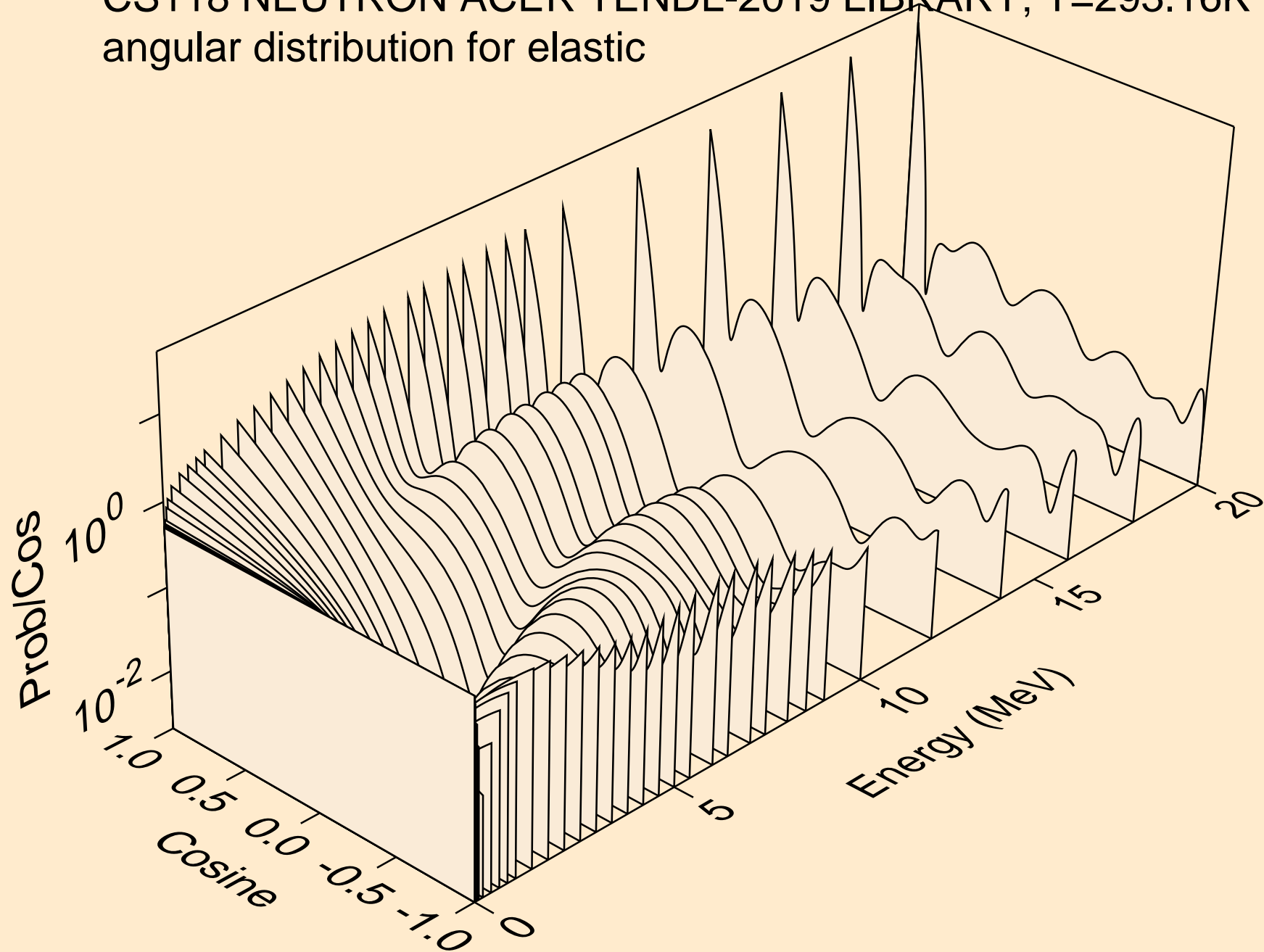
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



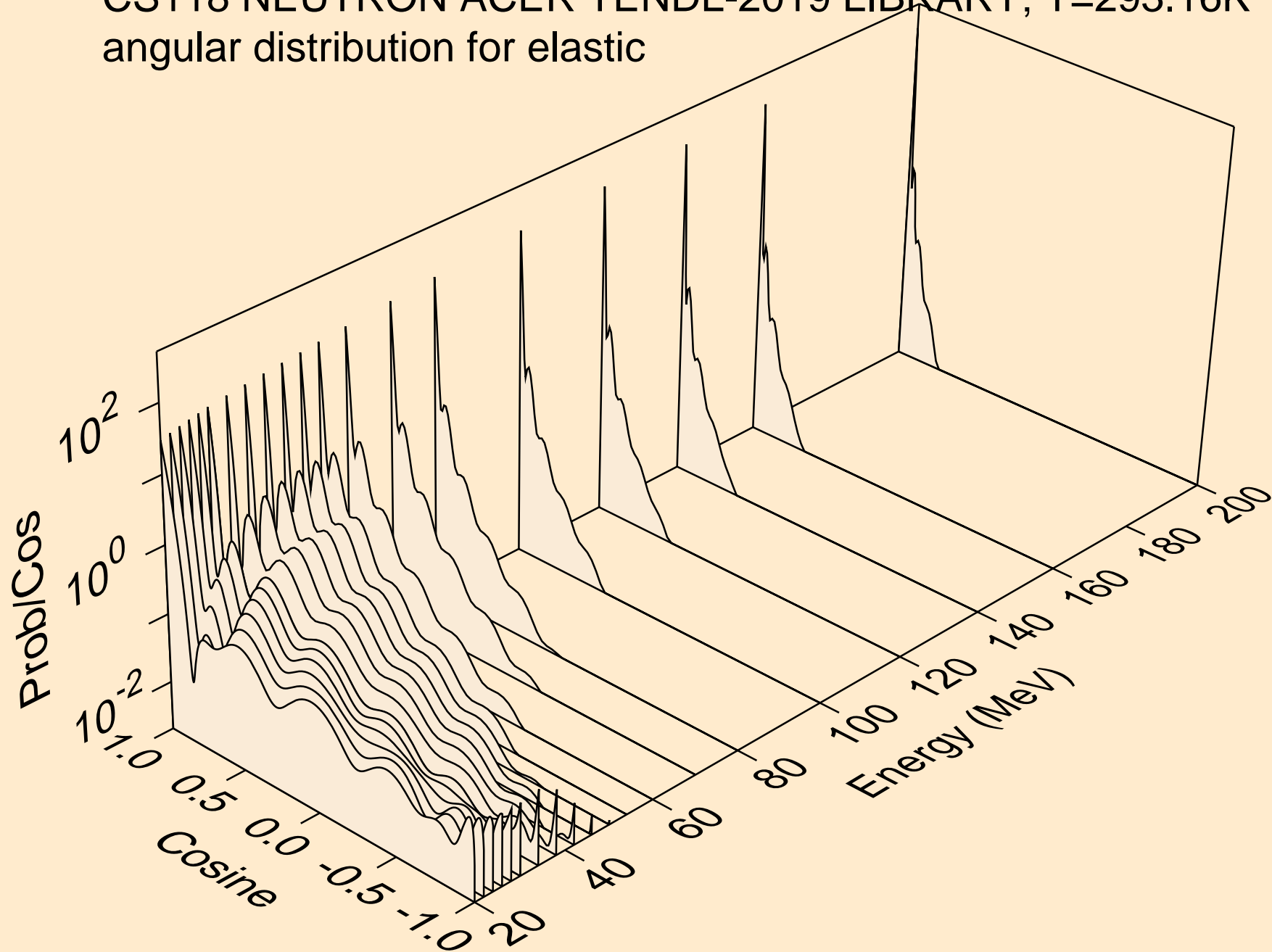
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



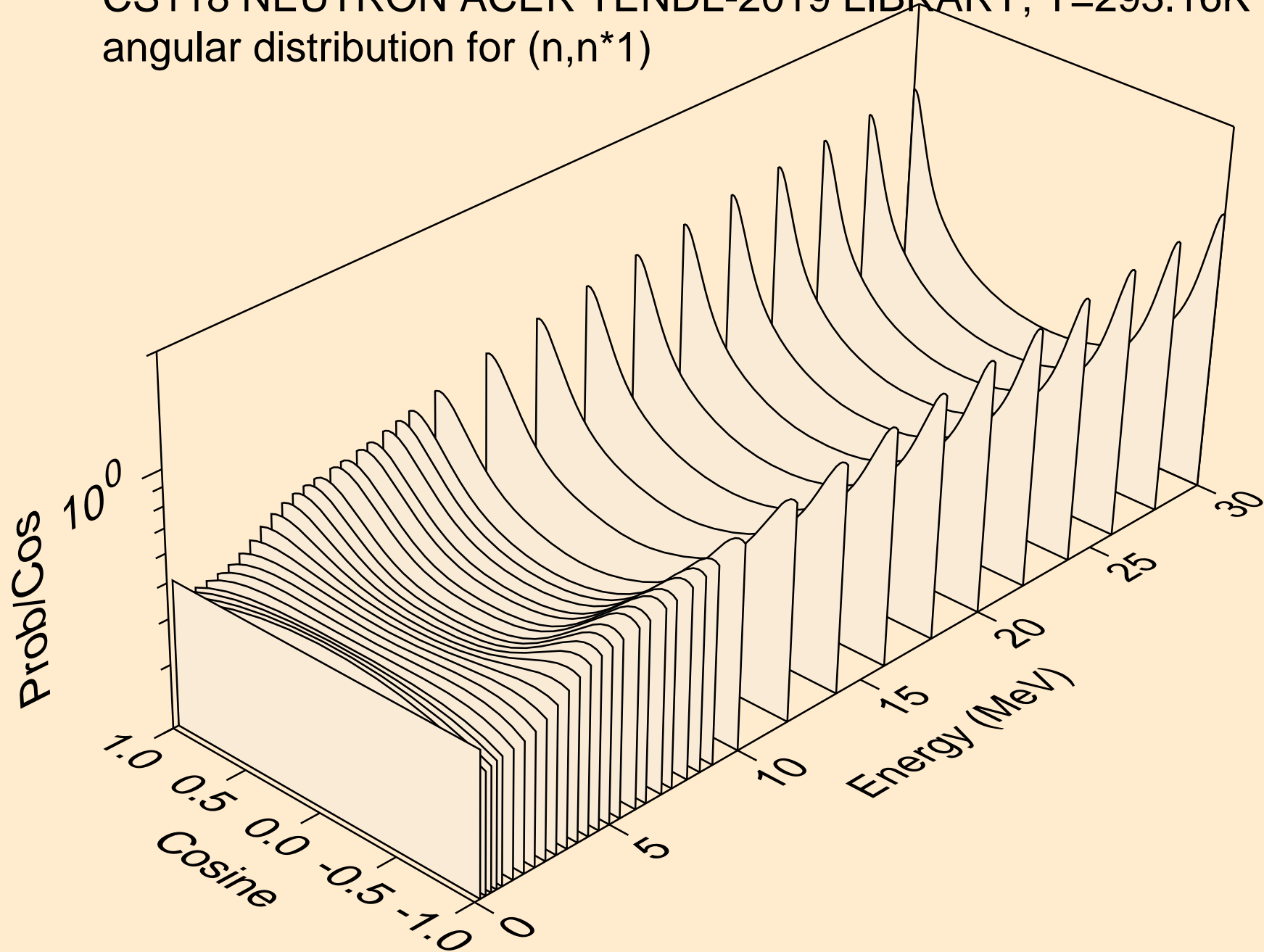
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



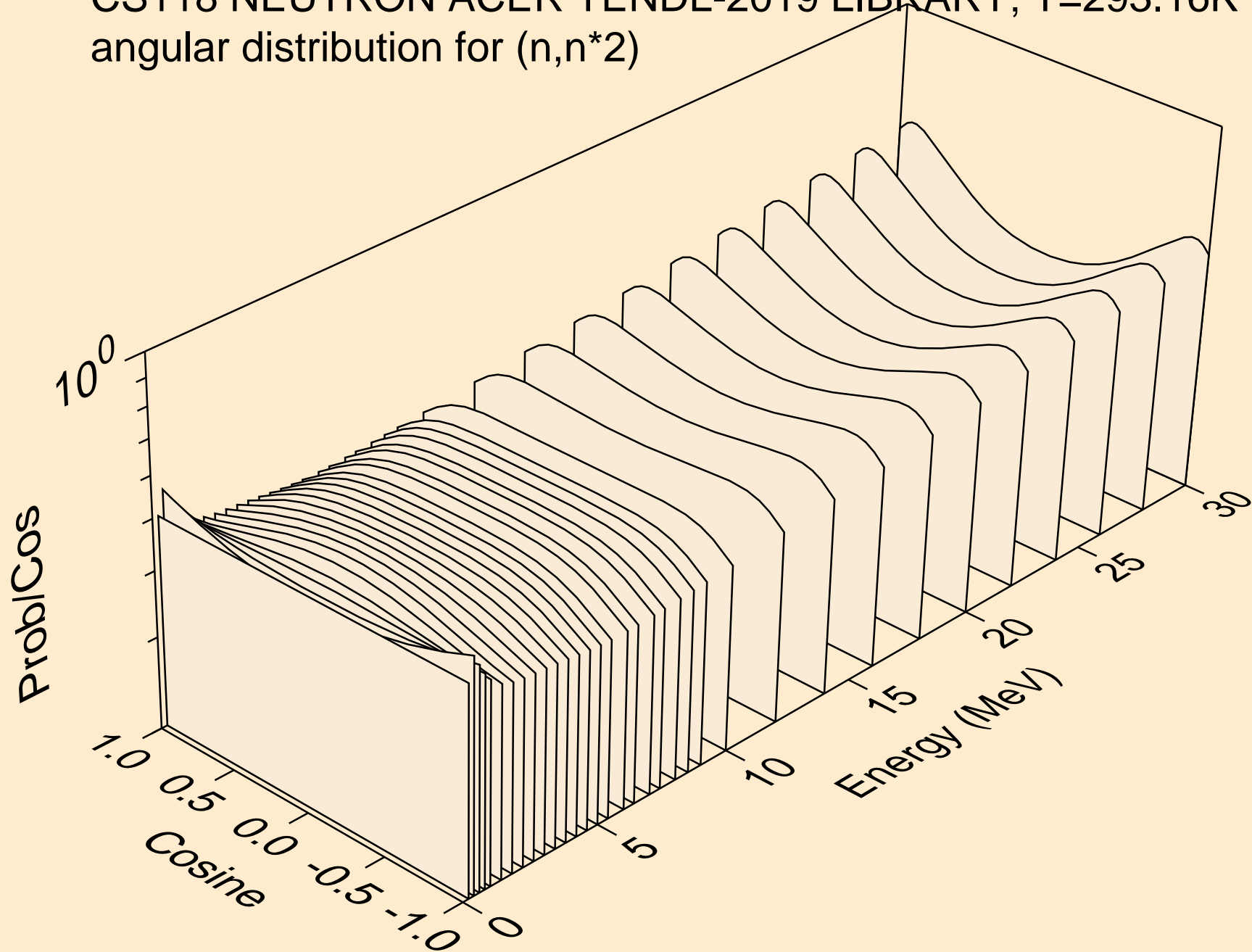
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

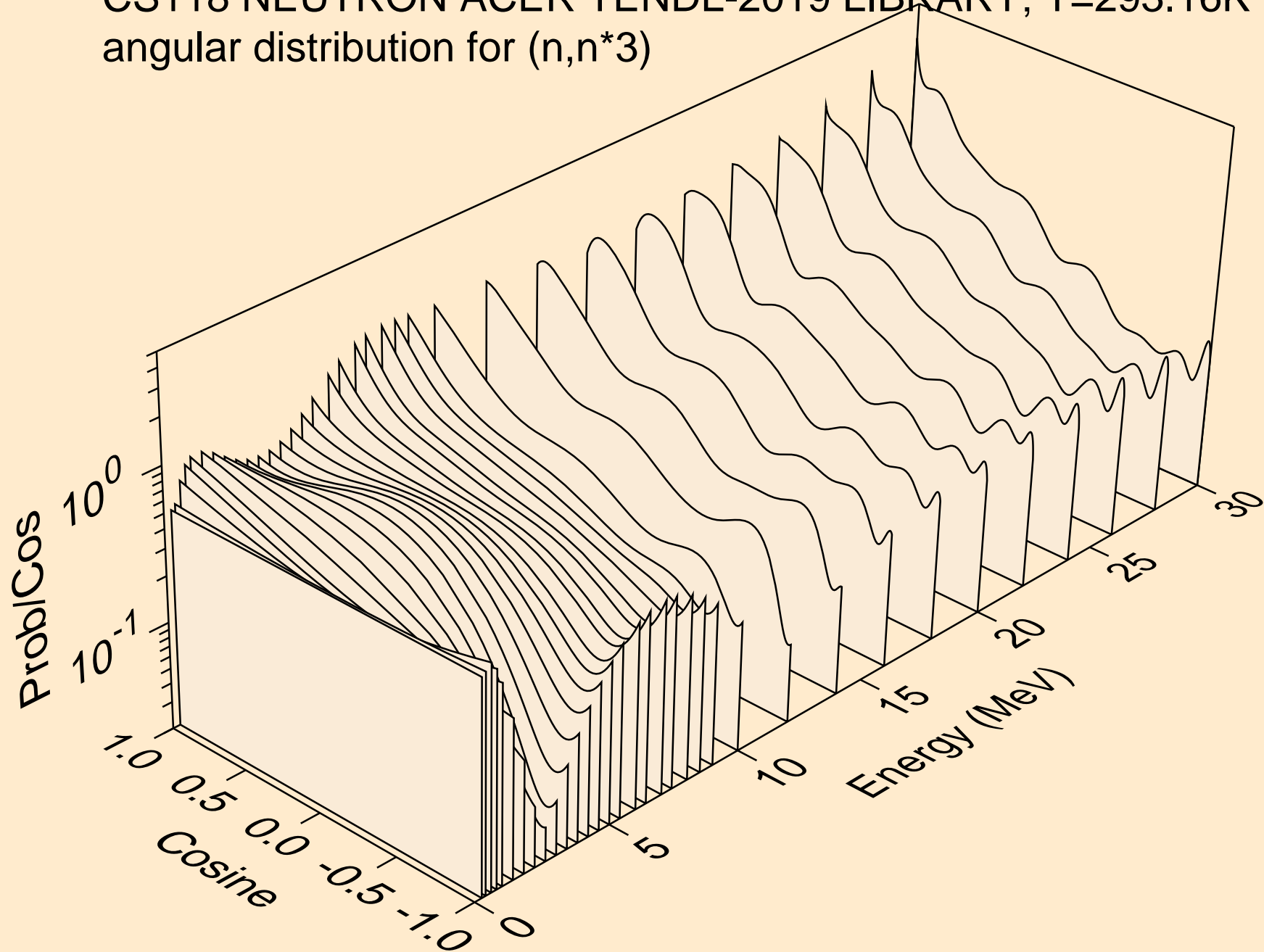


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

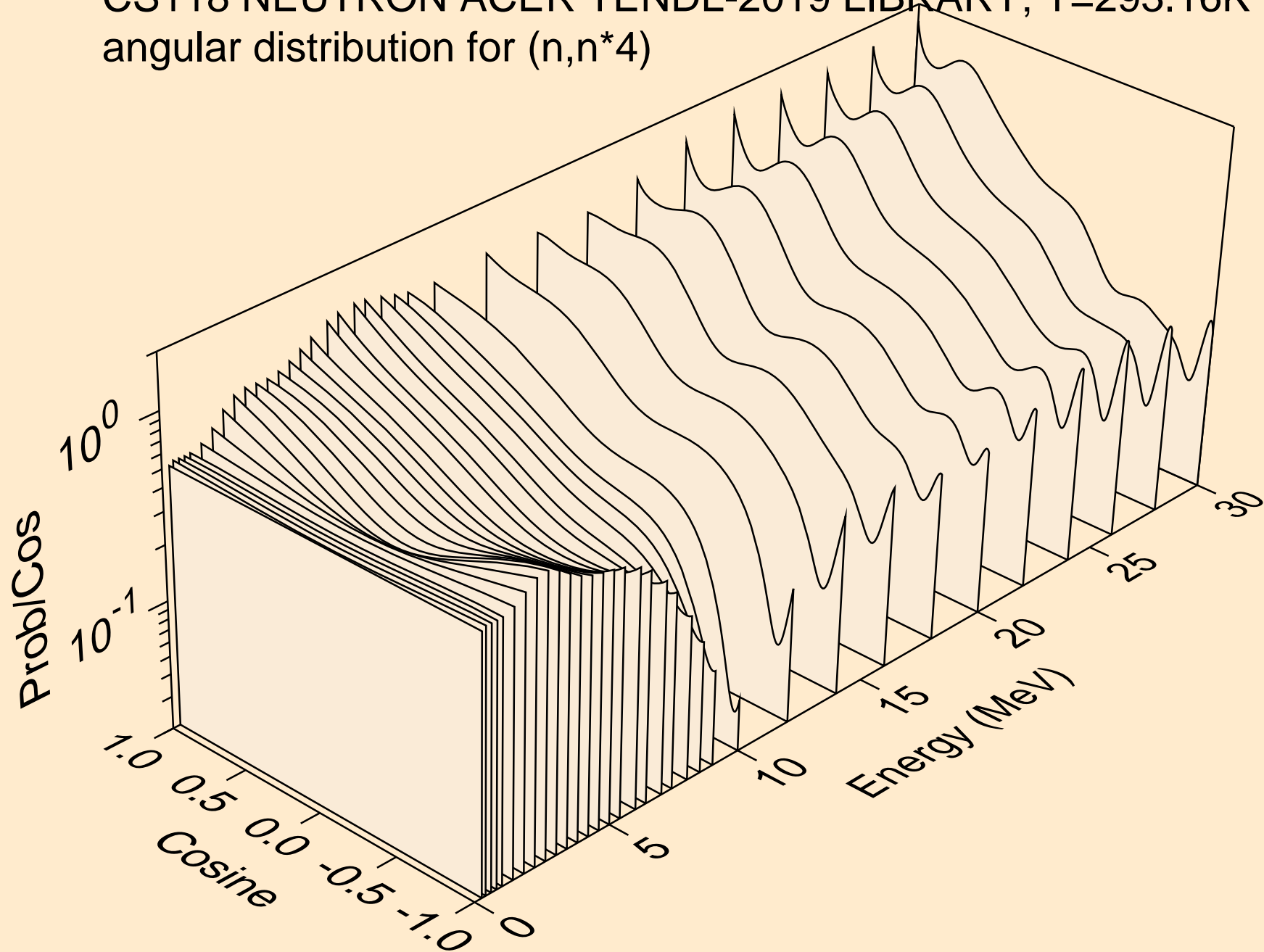




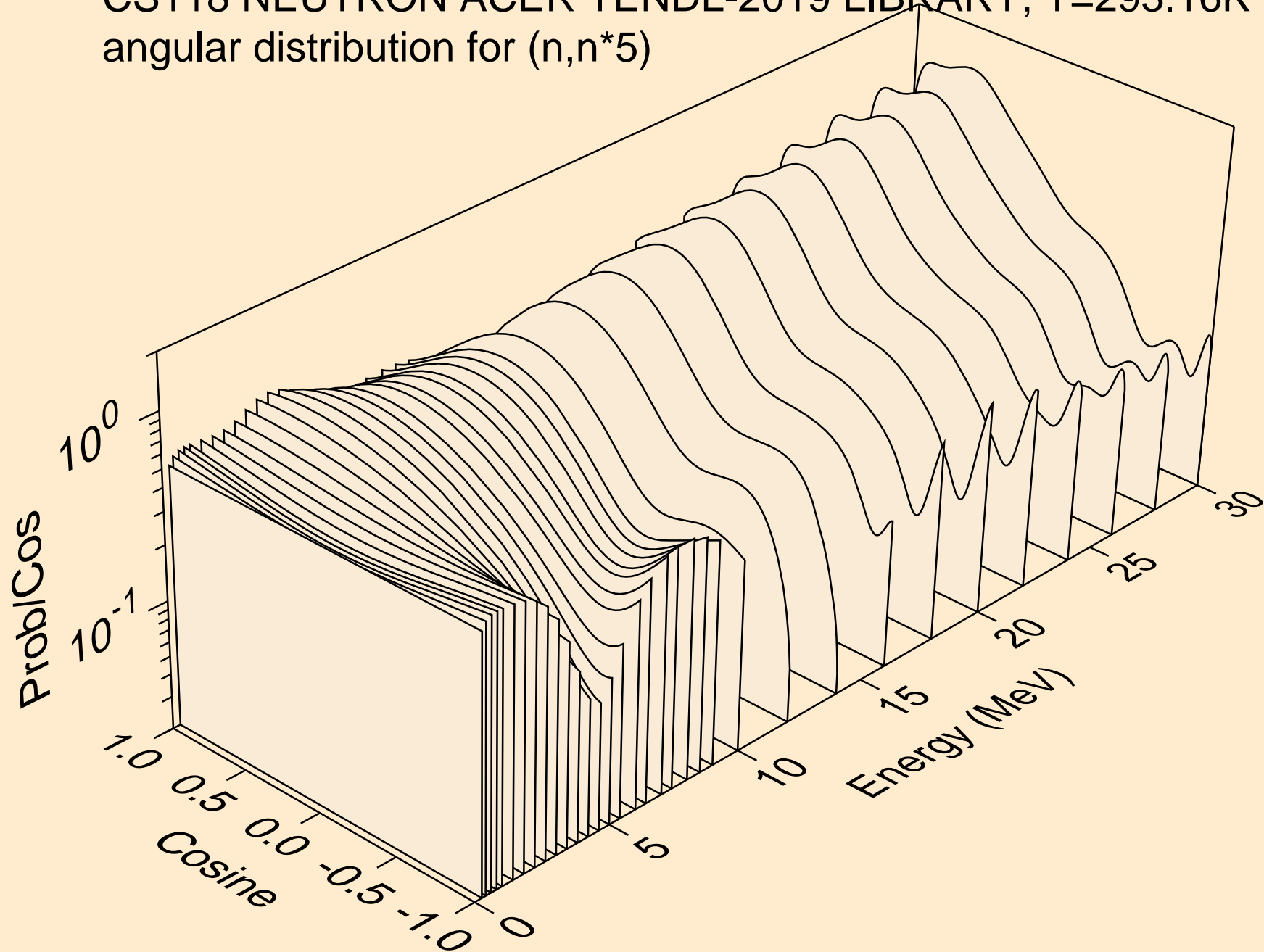
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angular distribution for (n,n\*3)



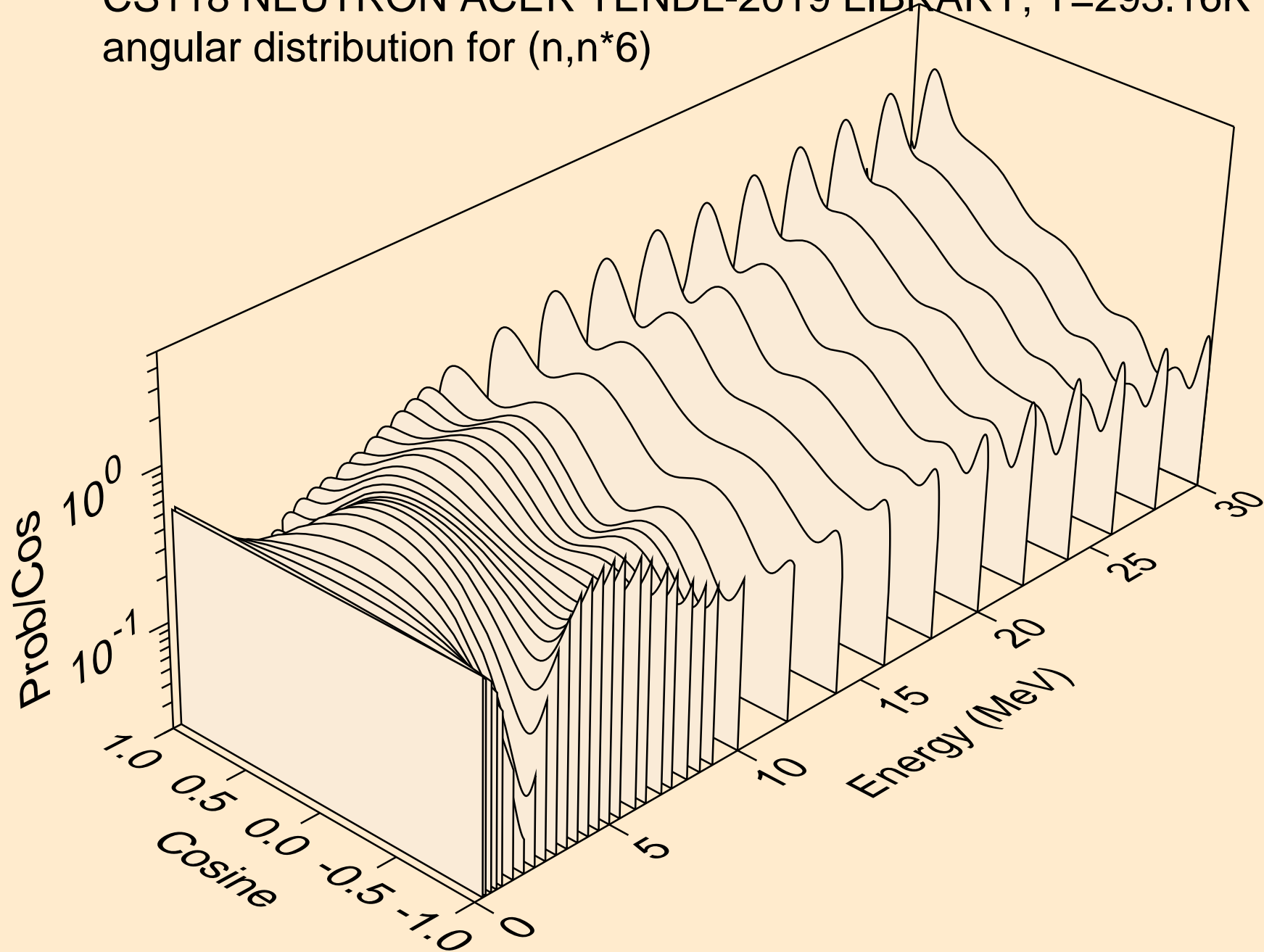
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angular distribution for (n,n\*4)



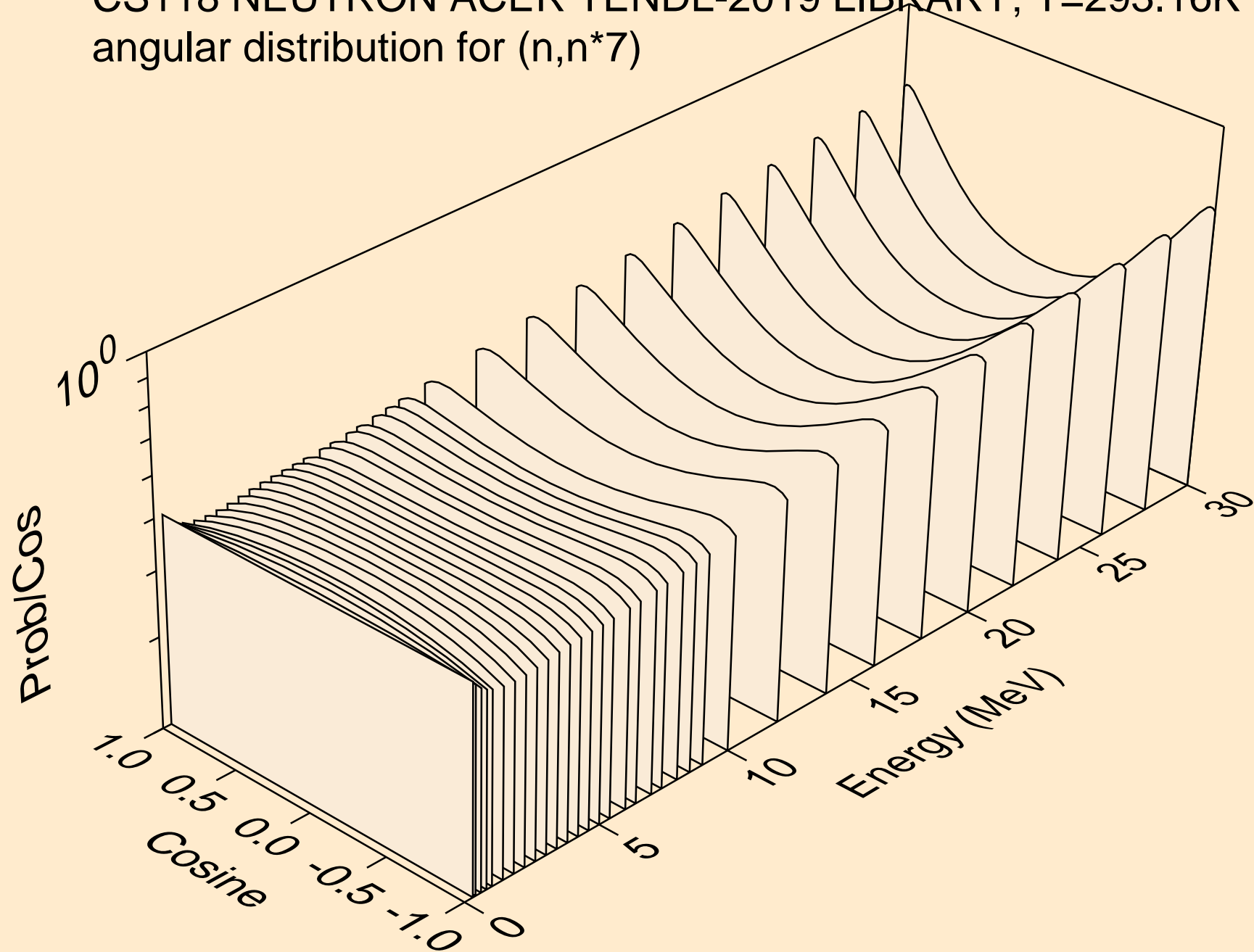
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angular distribution for (n,n\*5)



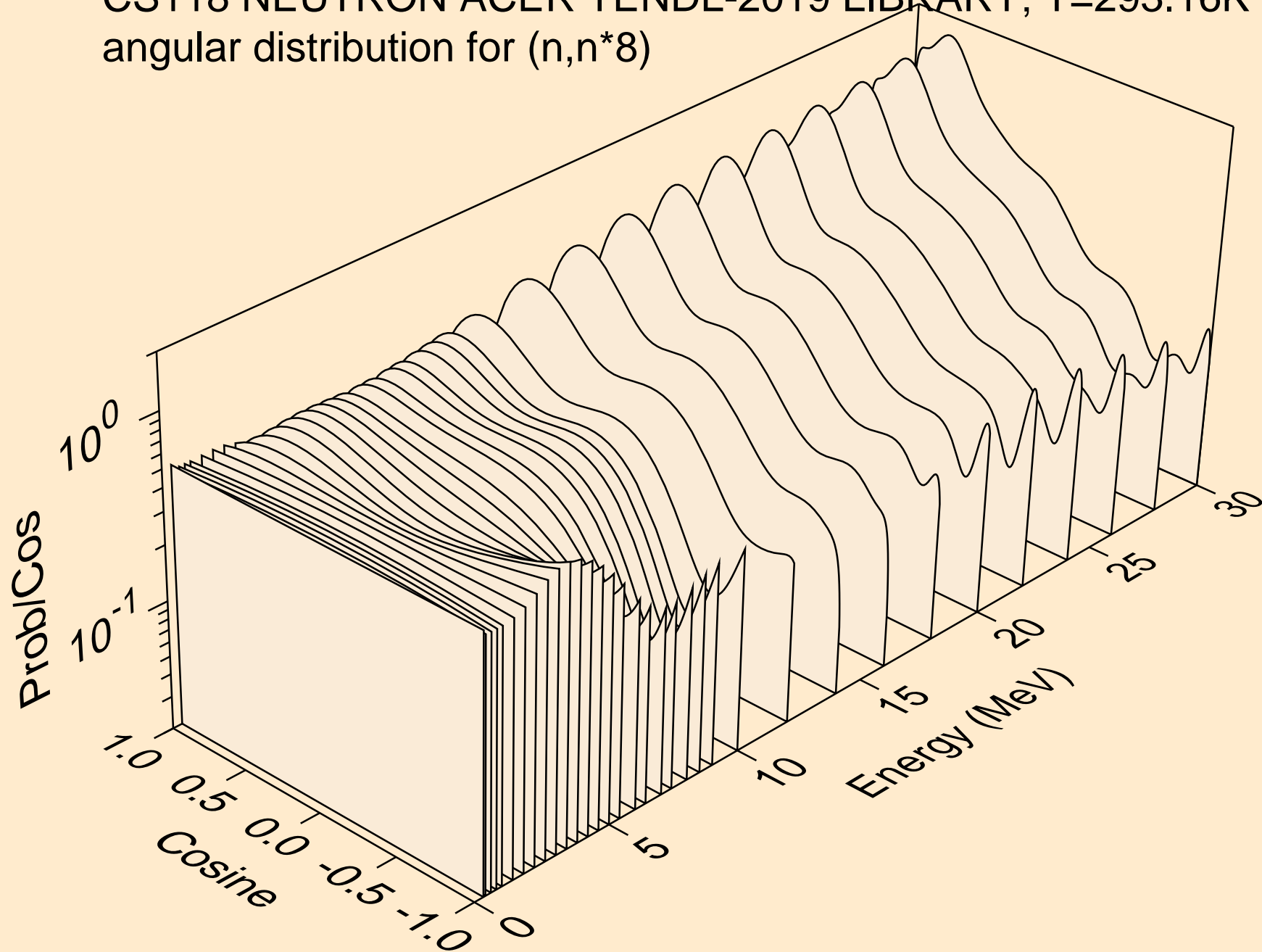
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angular distribution for (n,n\*6)



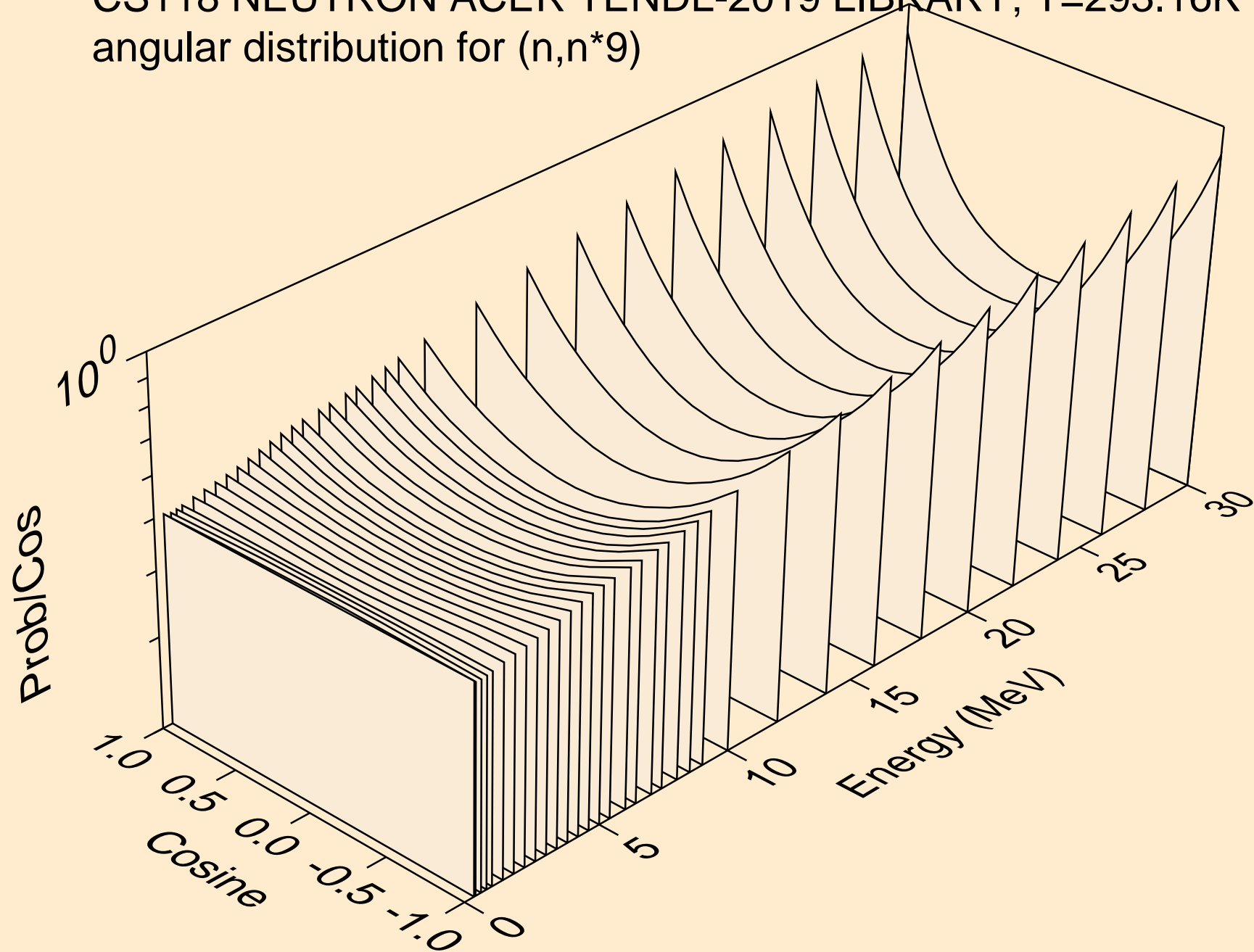
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angular distribution for (n,n\*7)



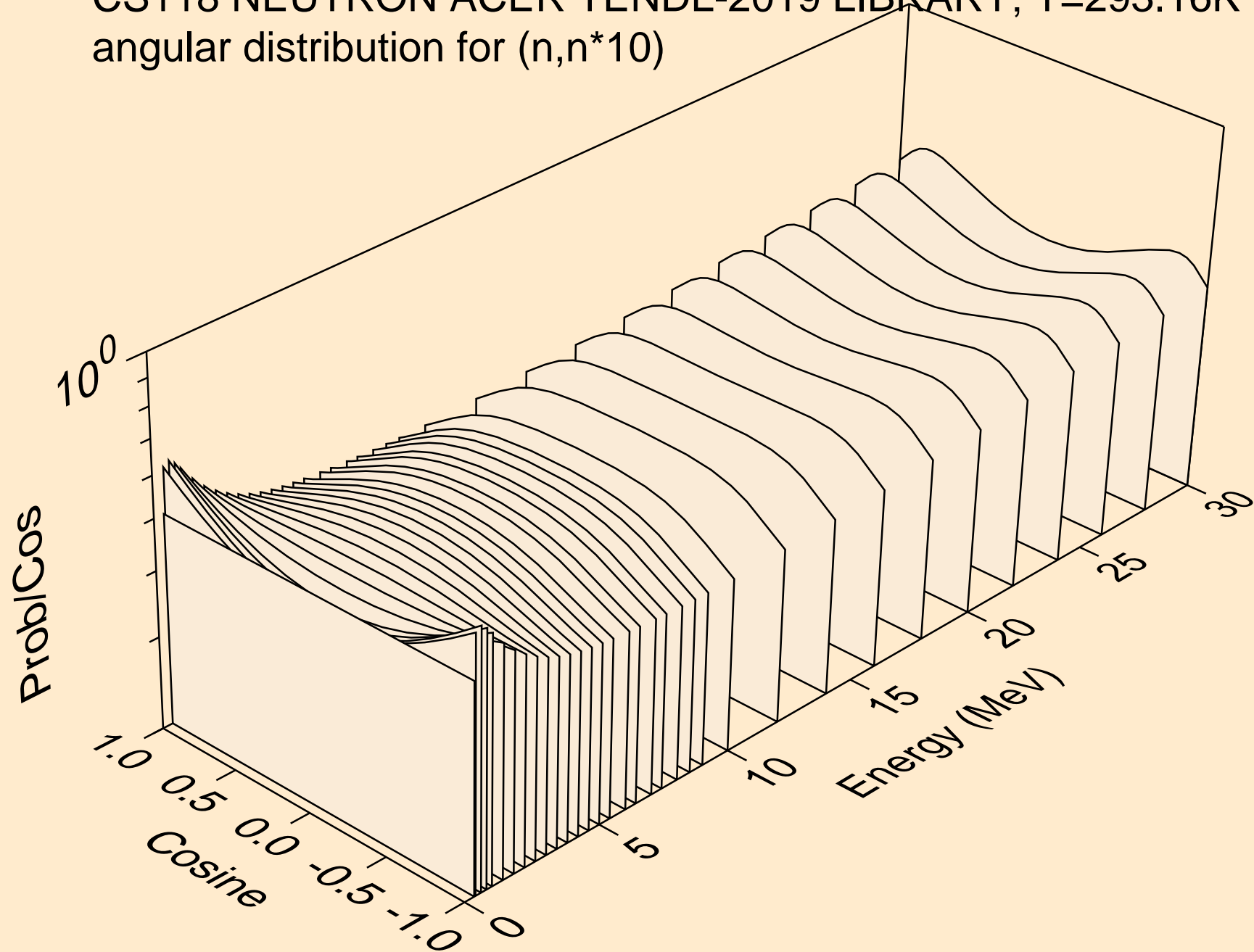
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

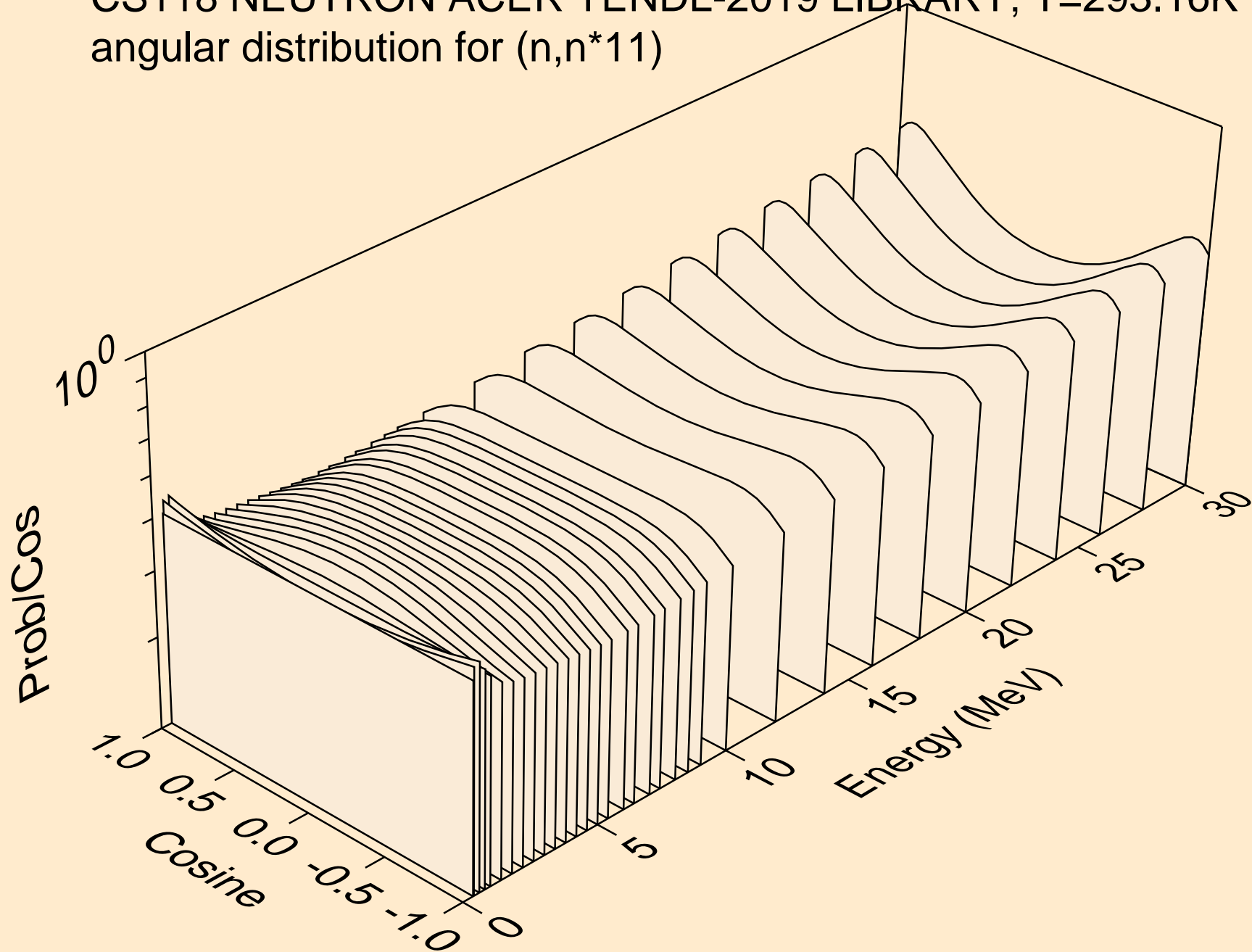


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

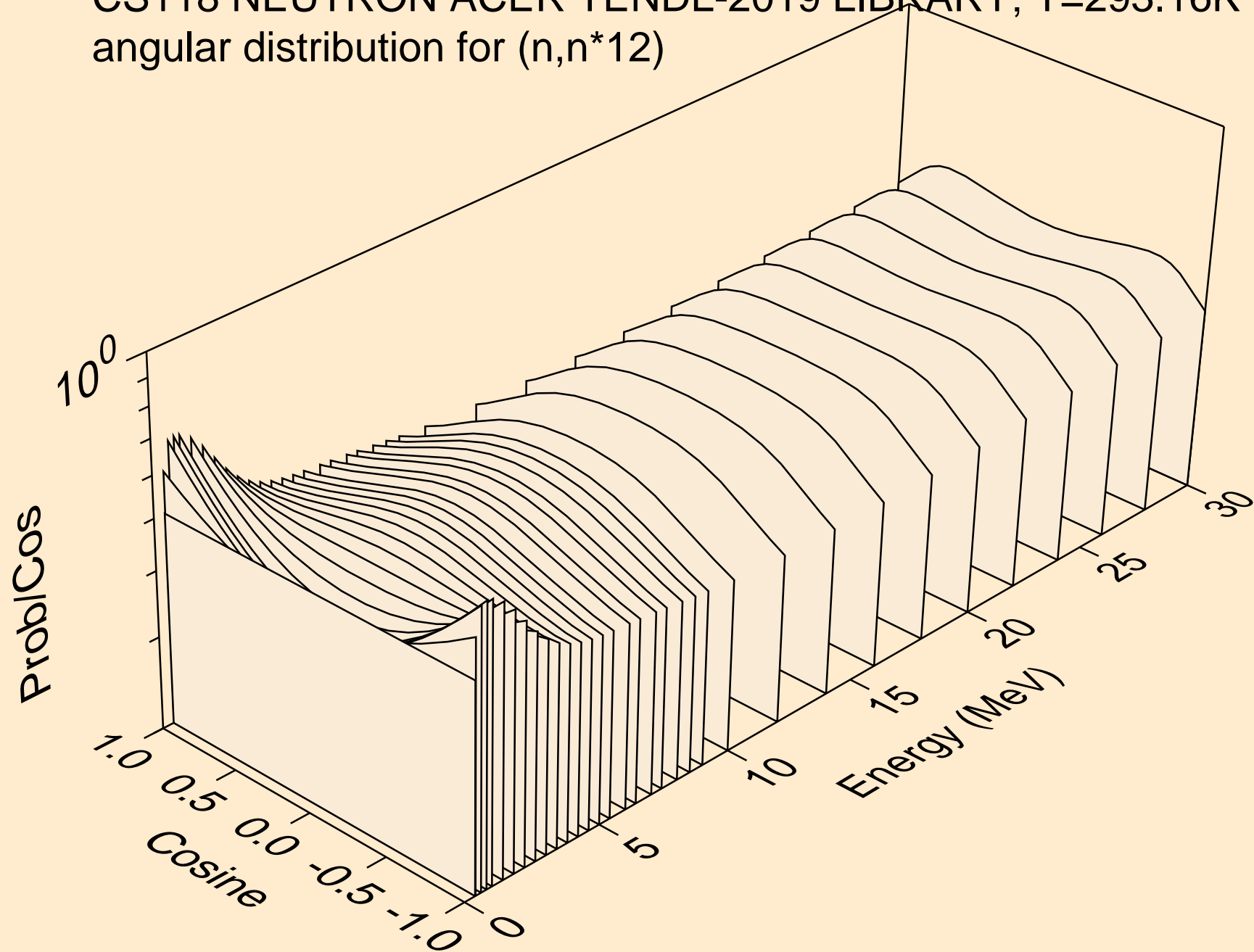




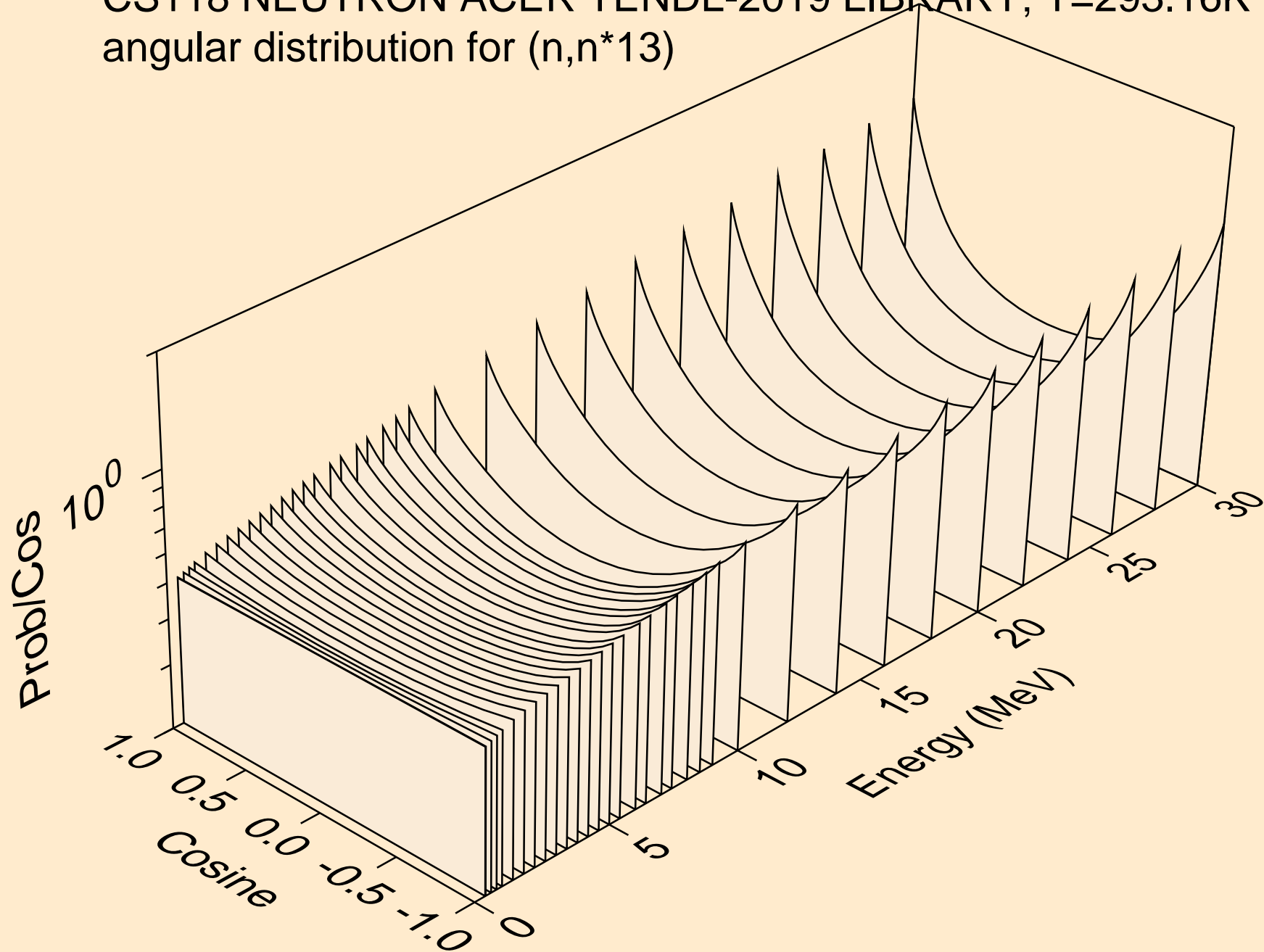
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angular distribution for (n,n\*11)



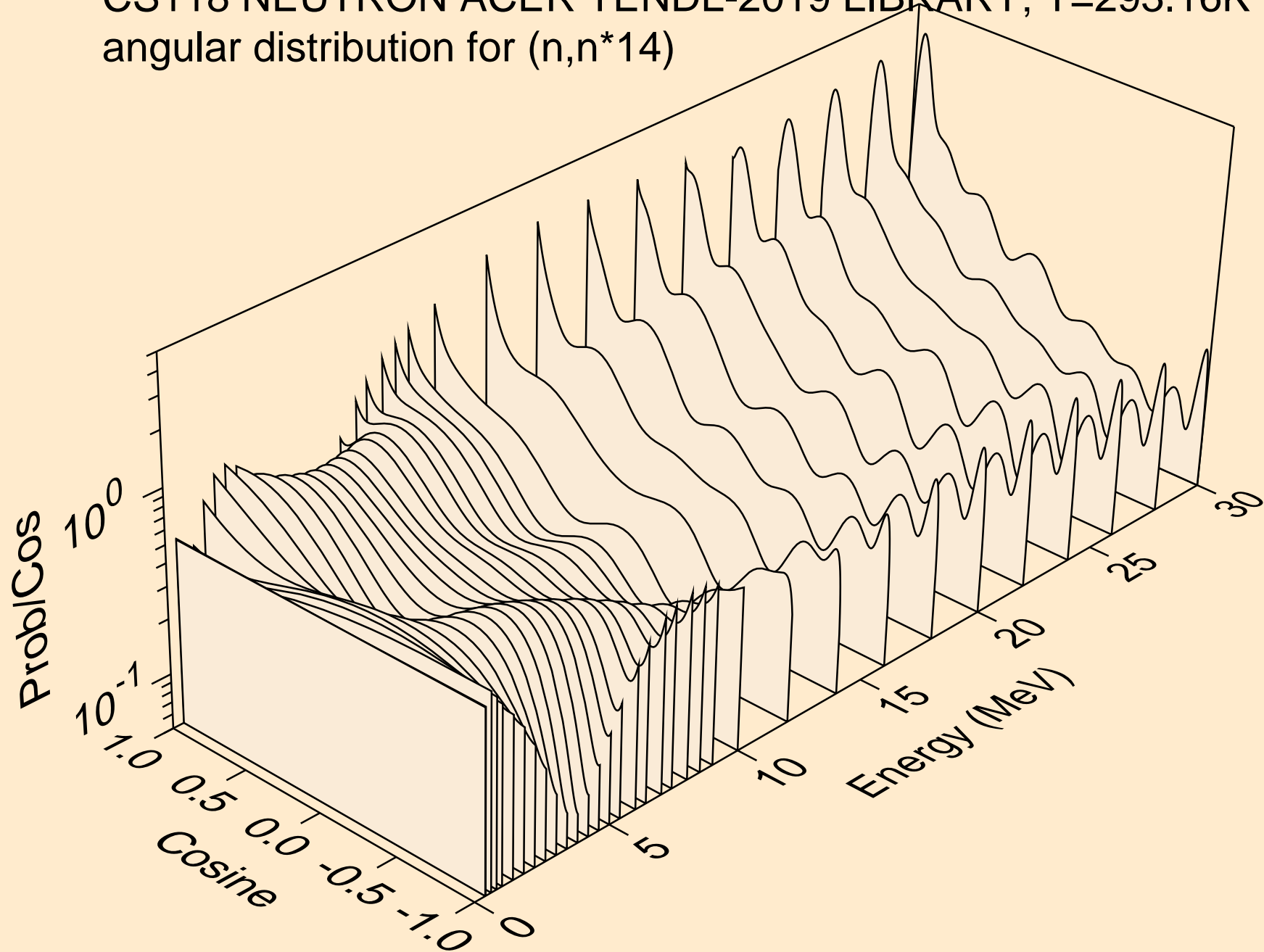
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angular distribution for (n,n\*12)



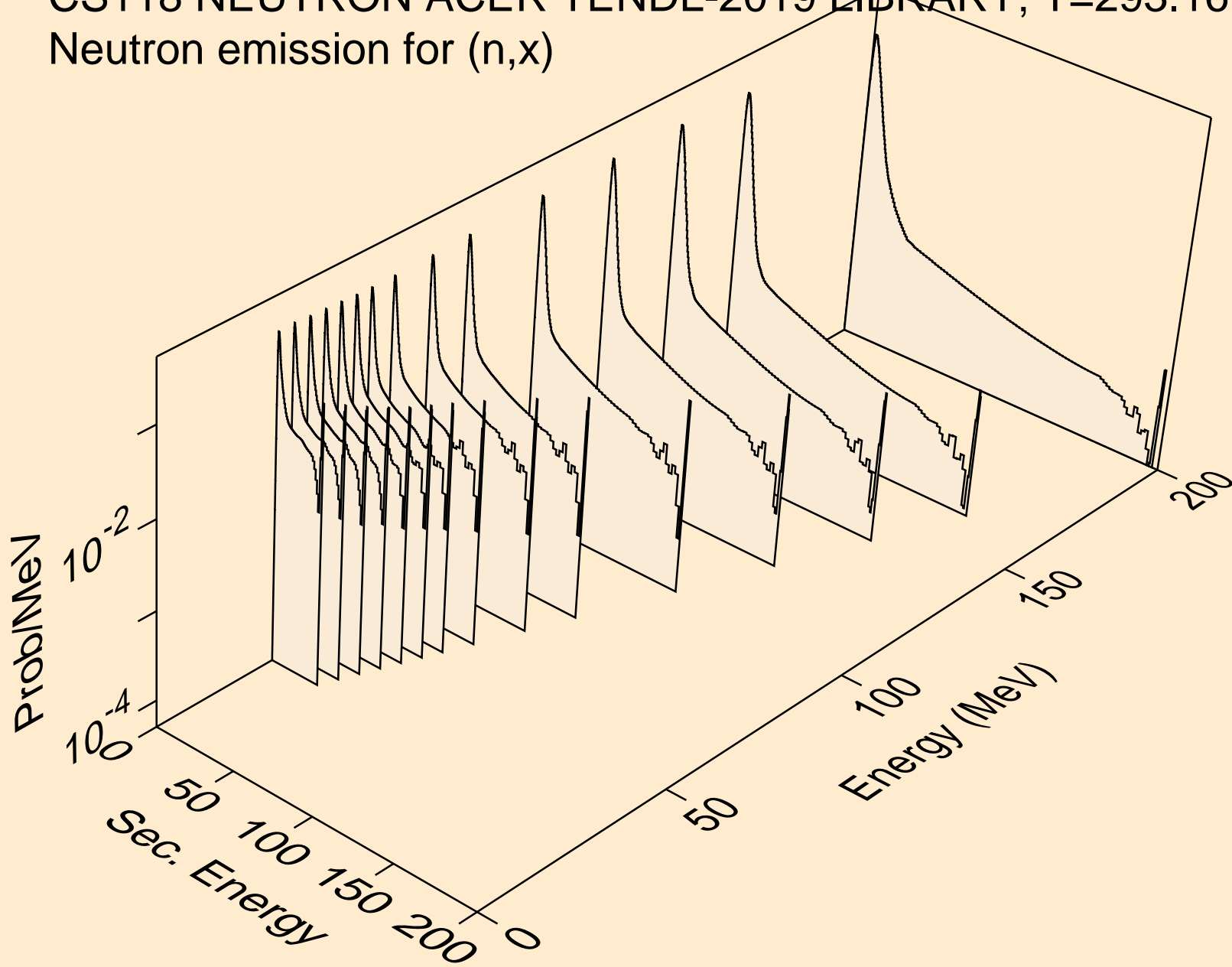
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angular distribution for (n,n\*13)



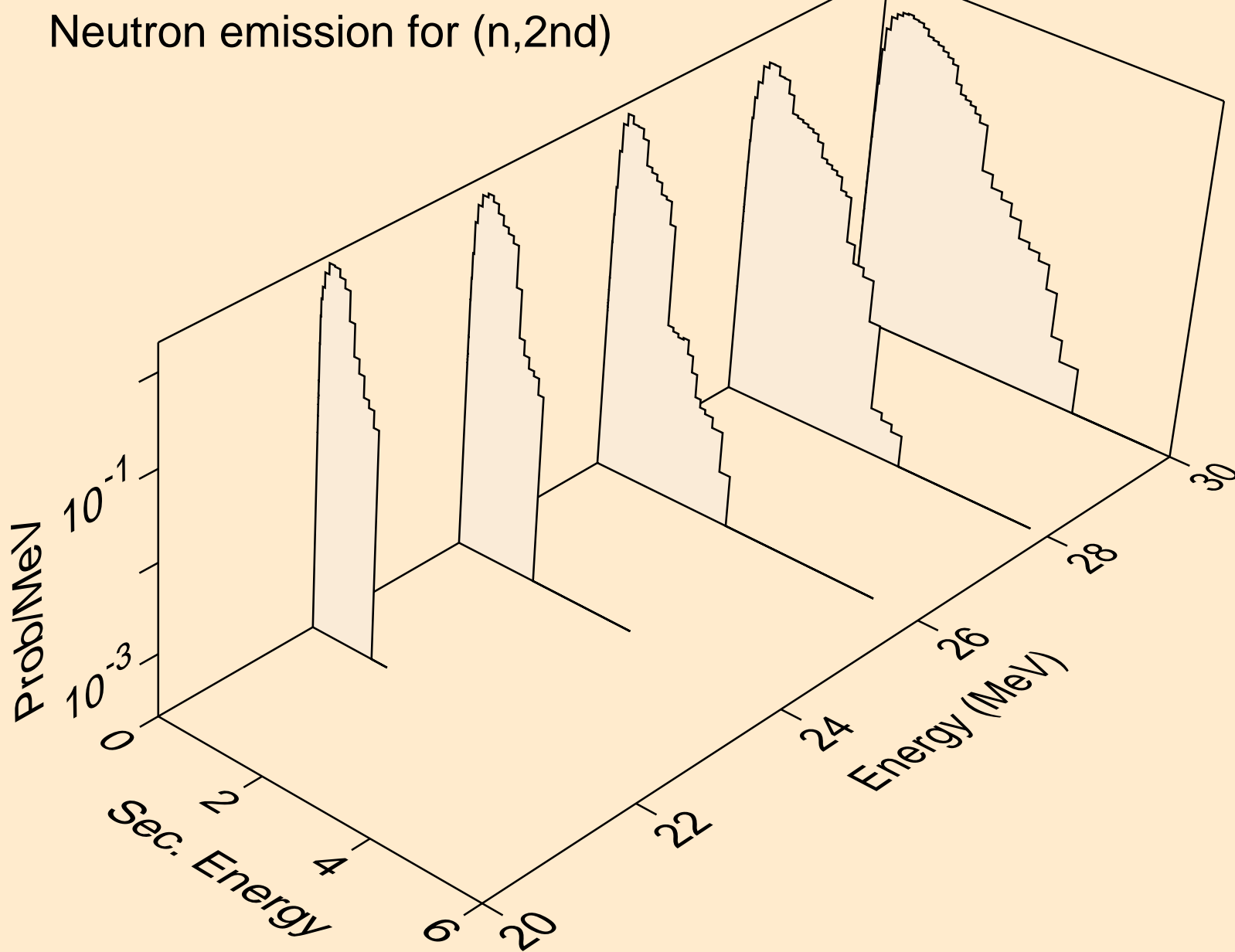
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angular distribution for (n,n\*14)



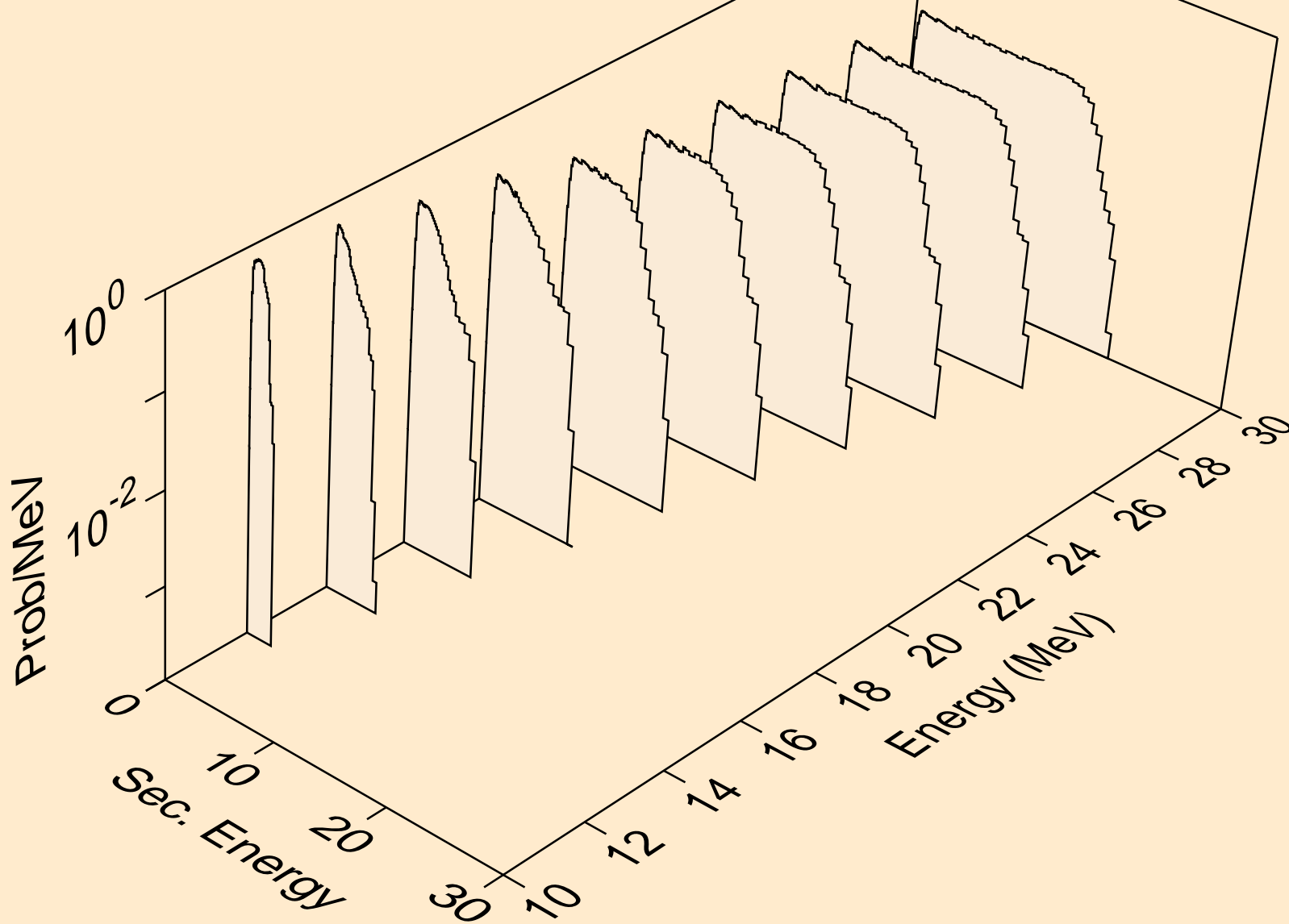
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



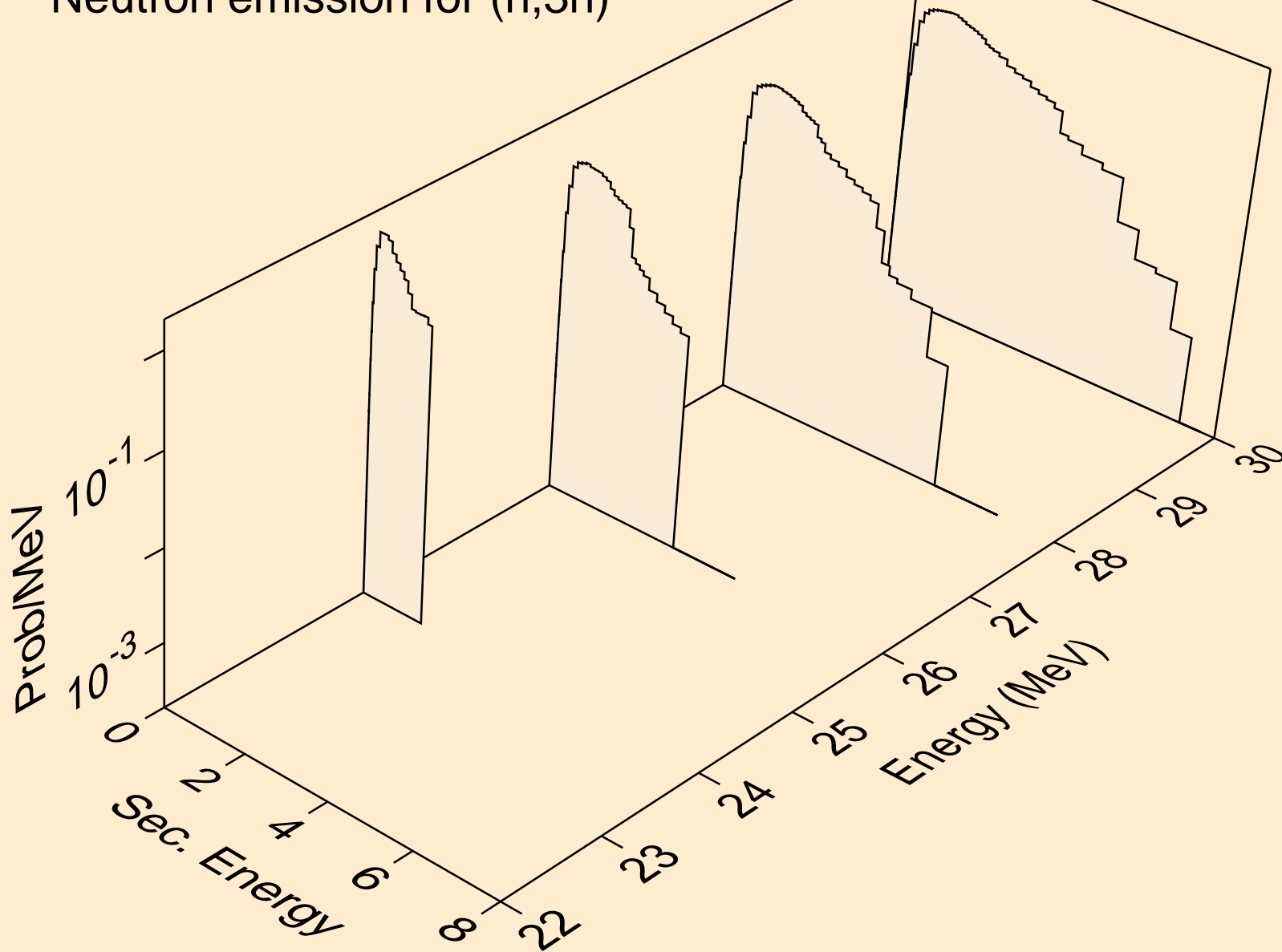
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

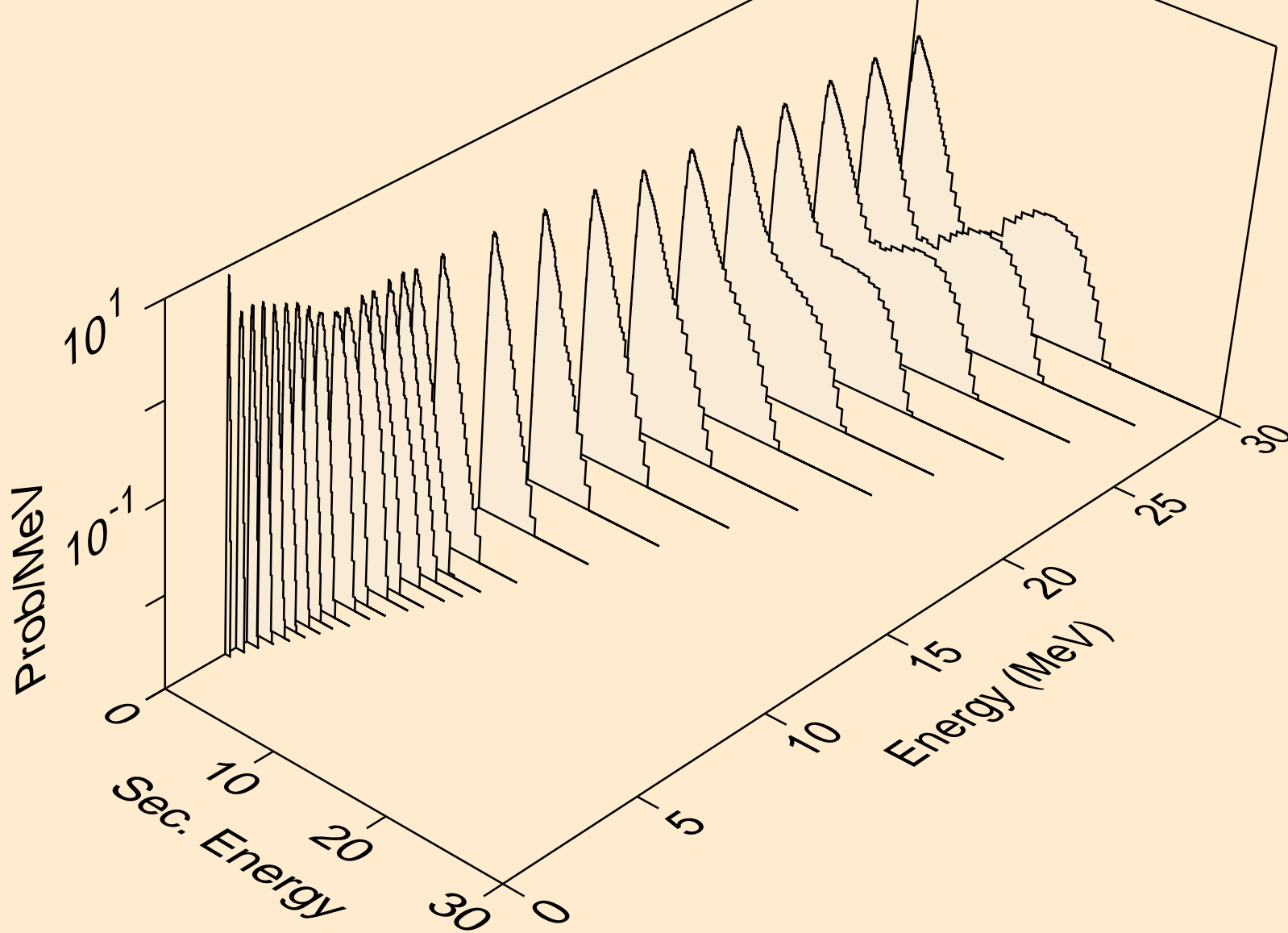


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

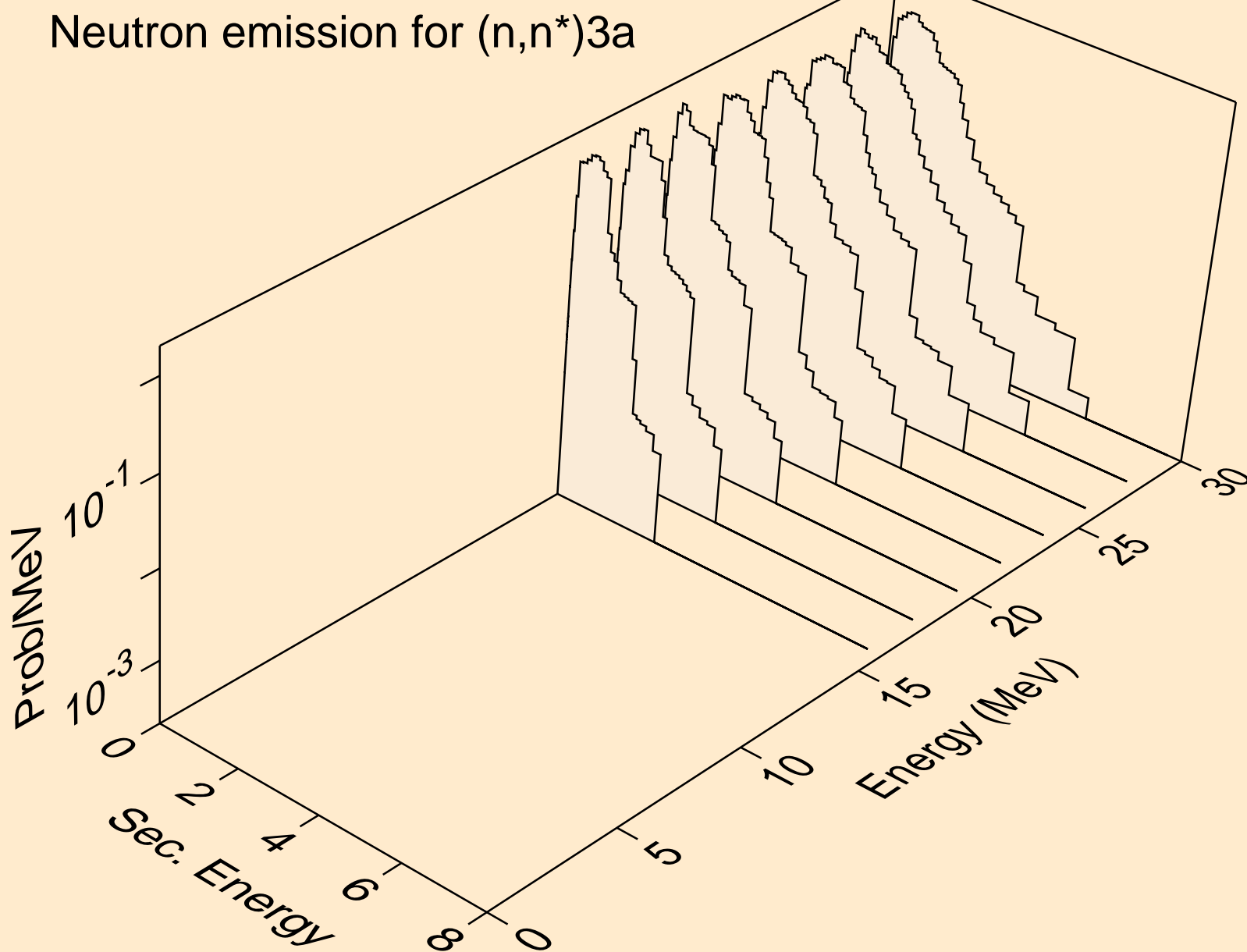




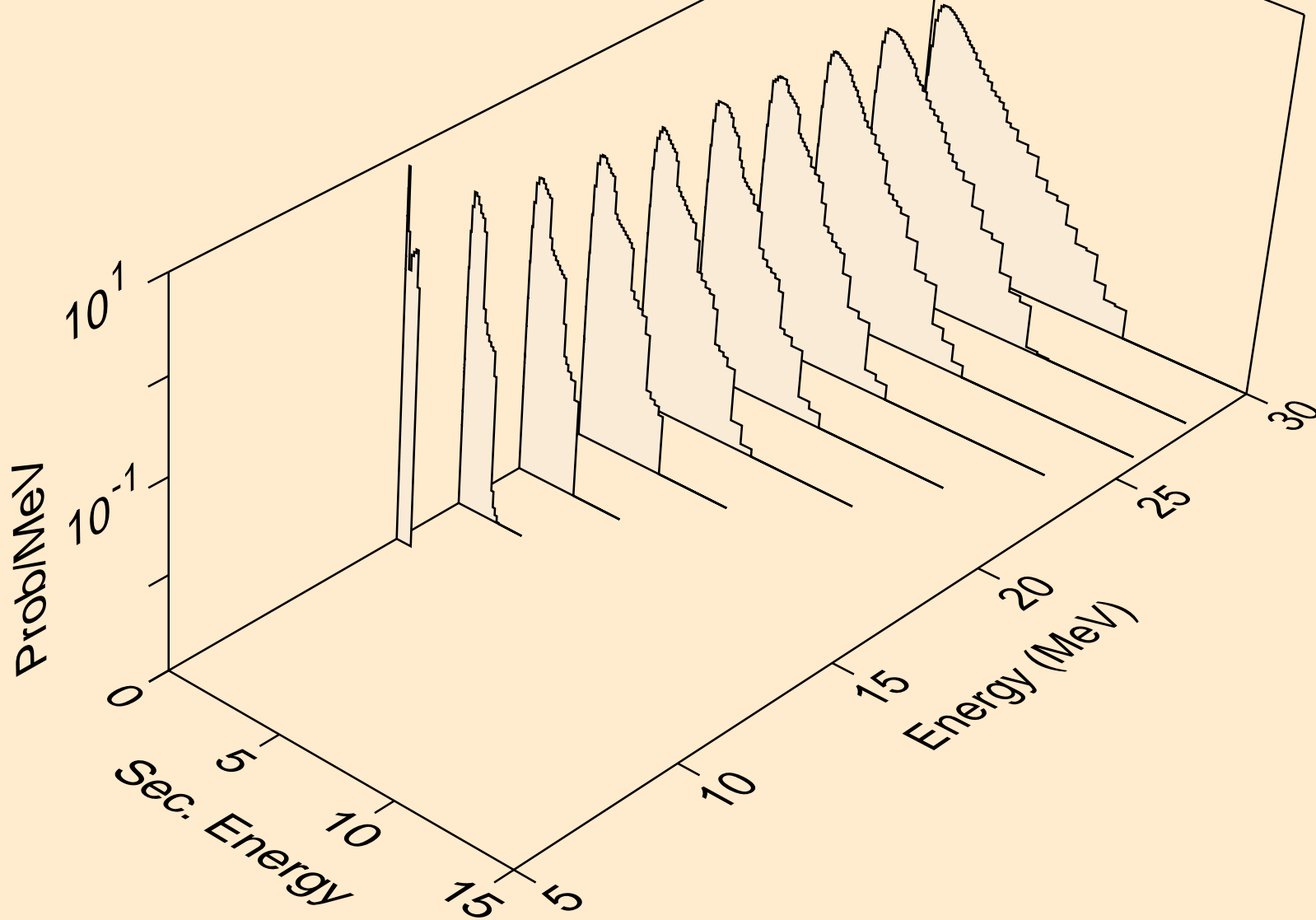
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



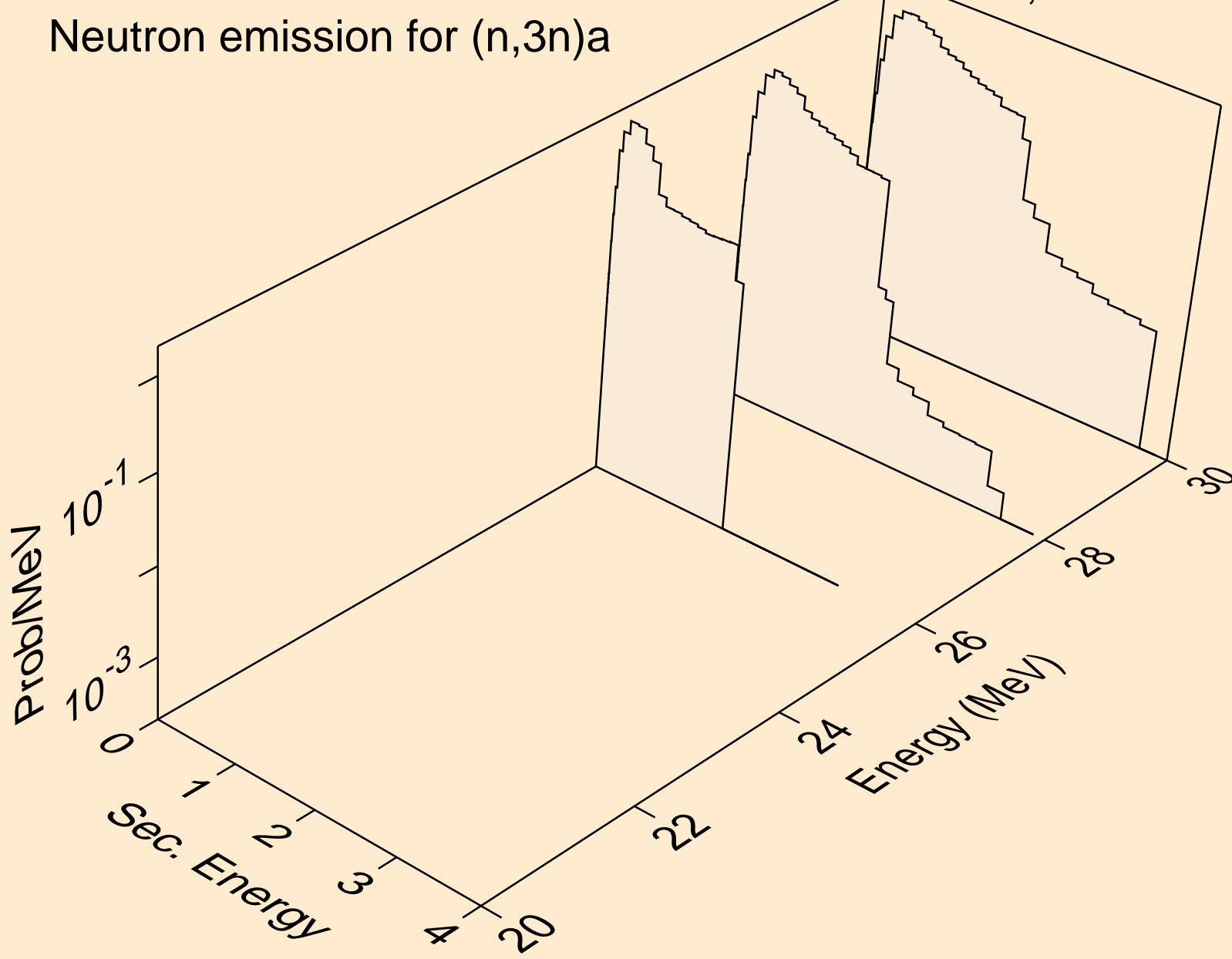
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)3a



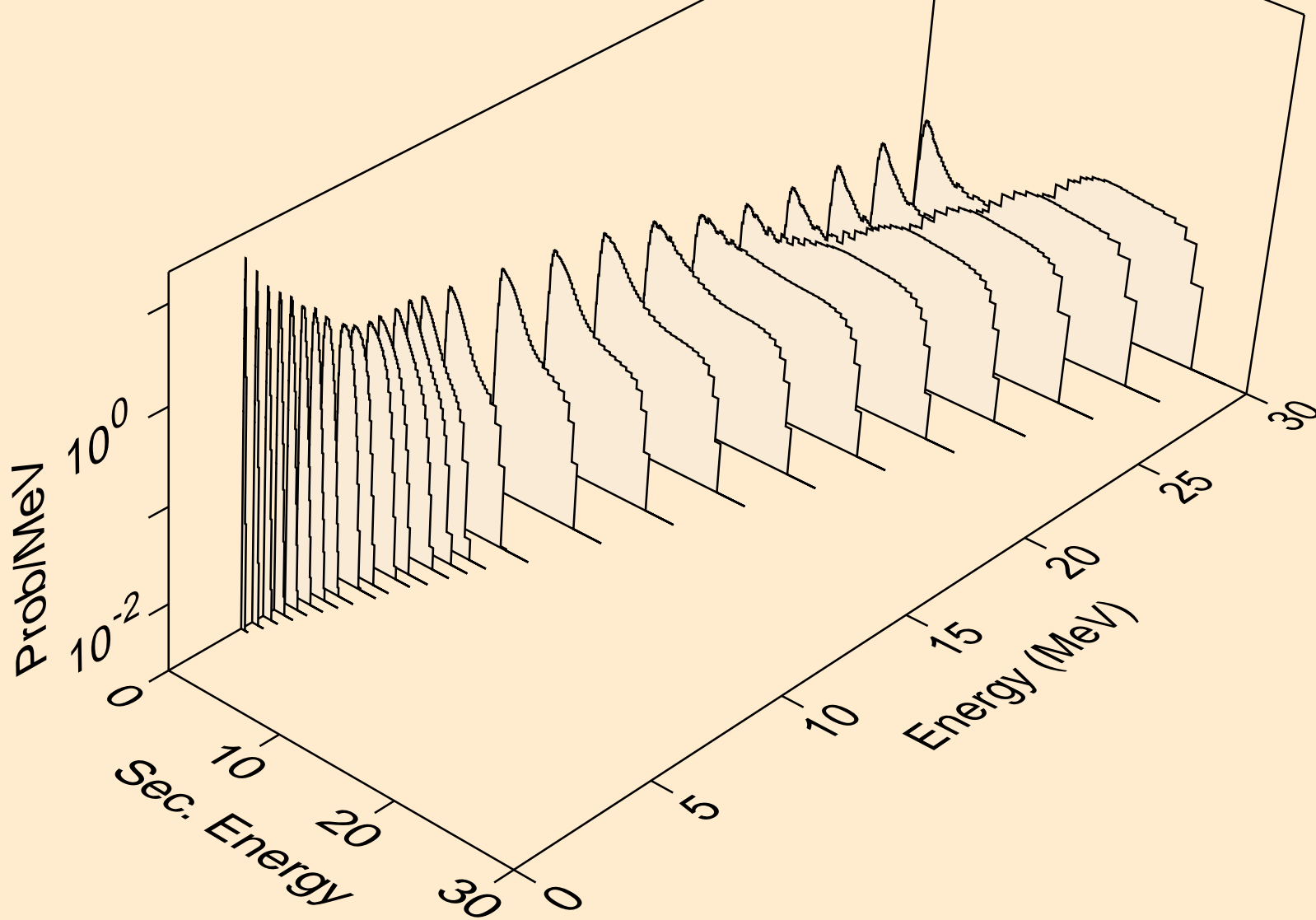
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Neutron emission for (n,2n)a



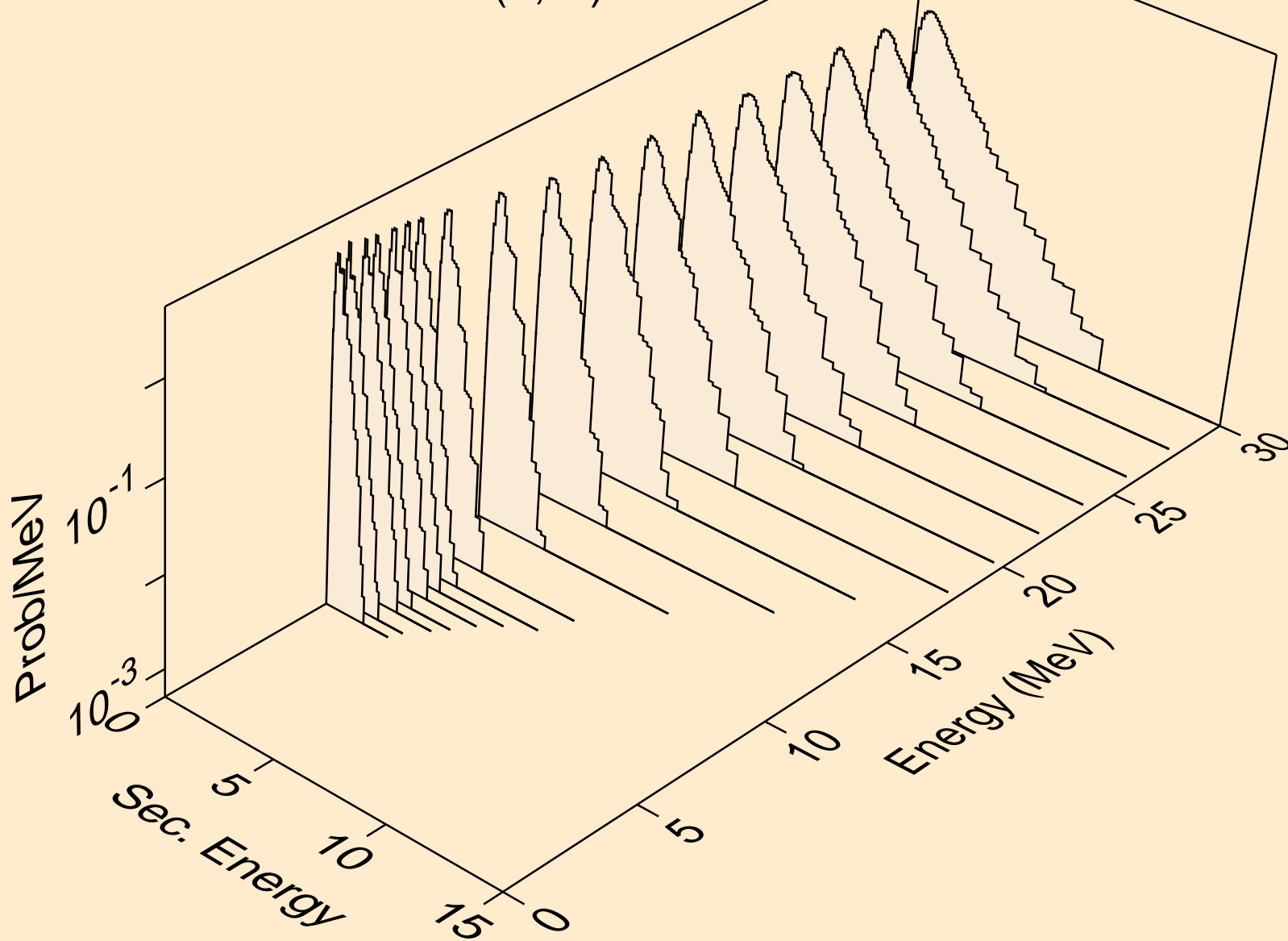
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Neutron emission for (n,3n)a



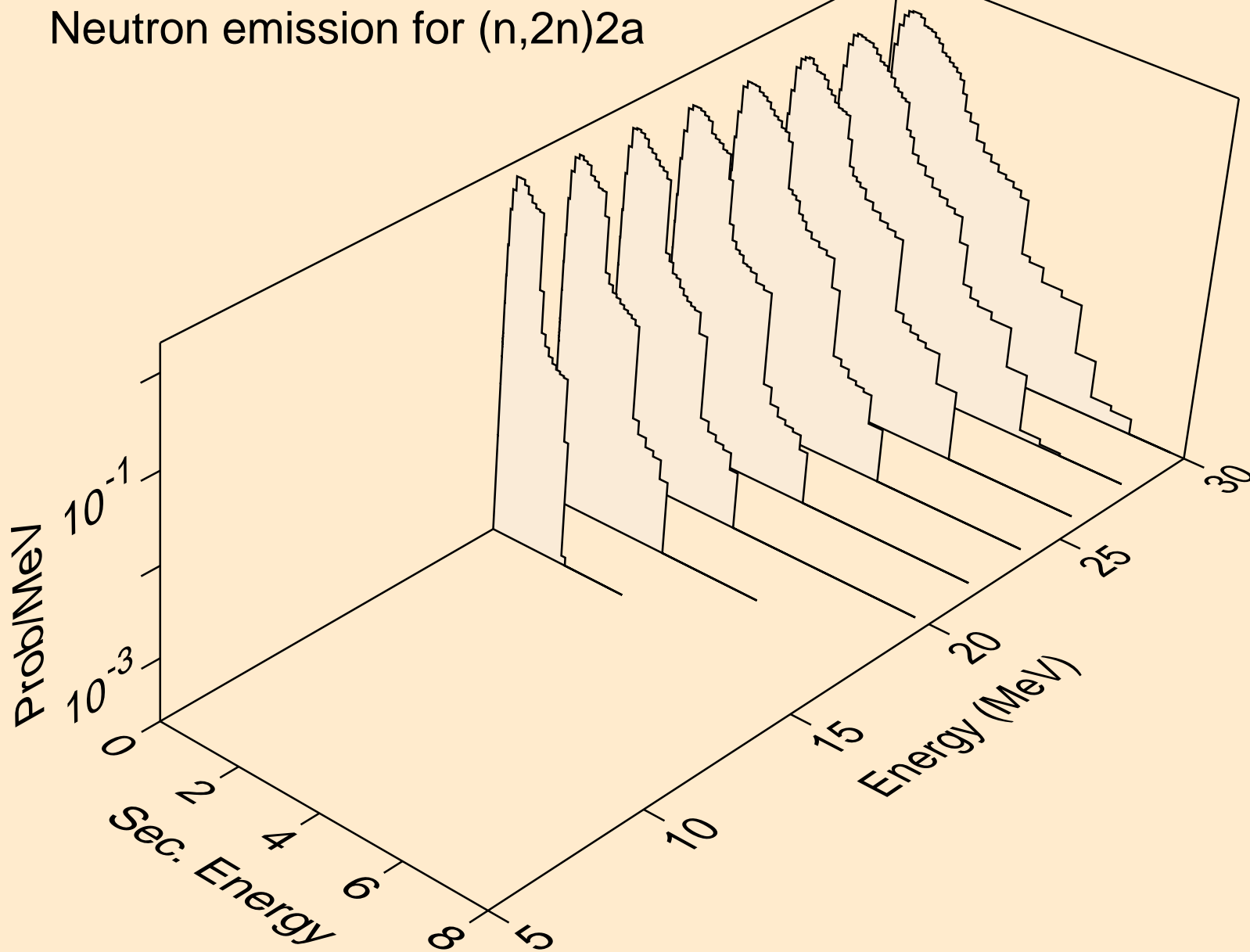
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Neutron emission for (n,n\*)p



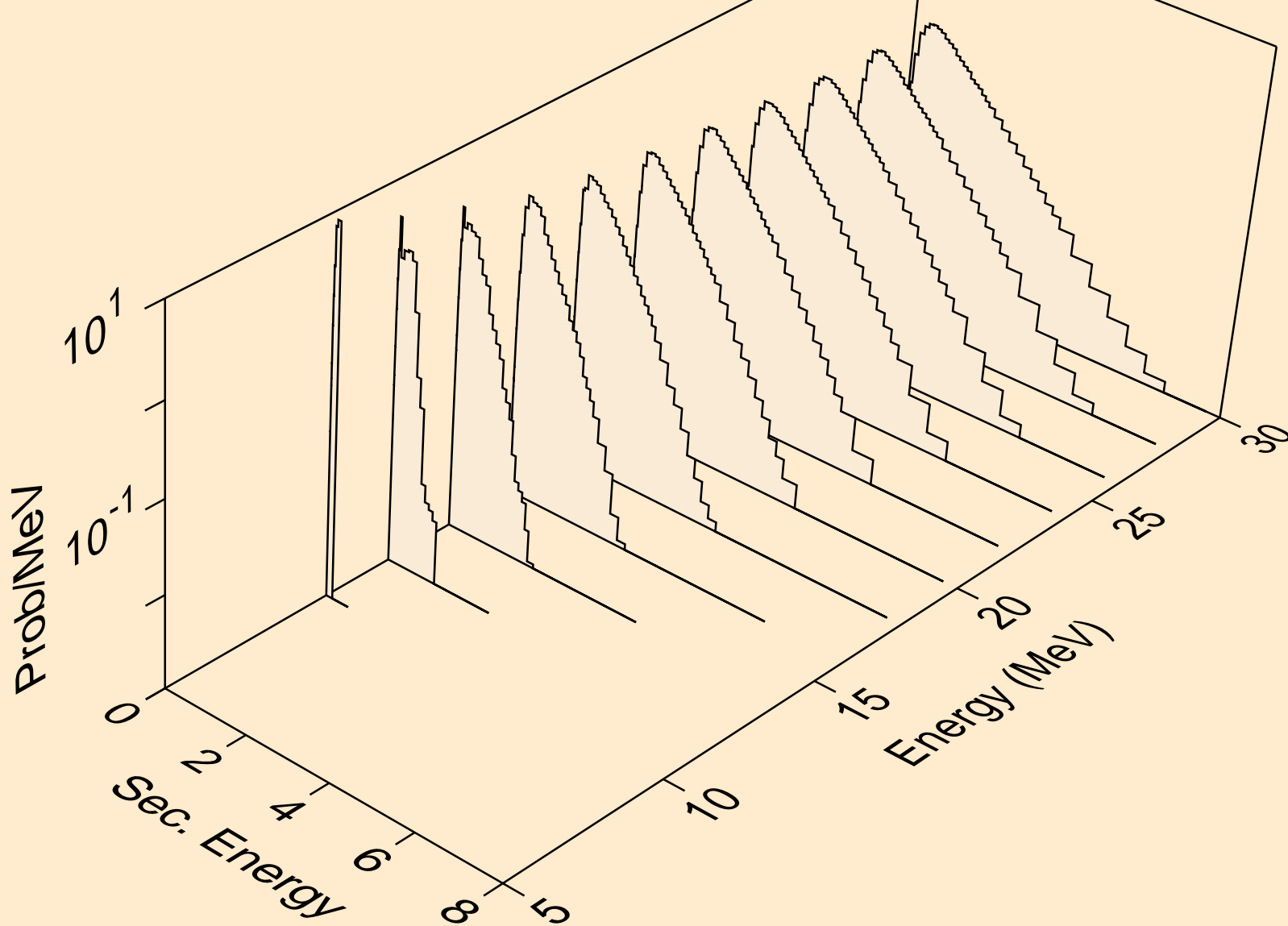
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a

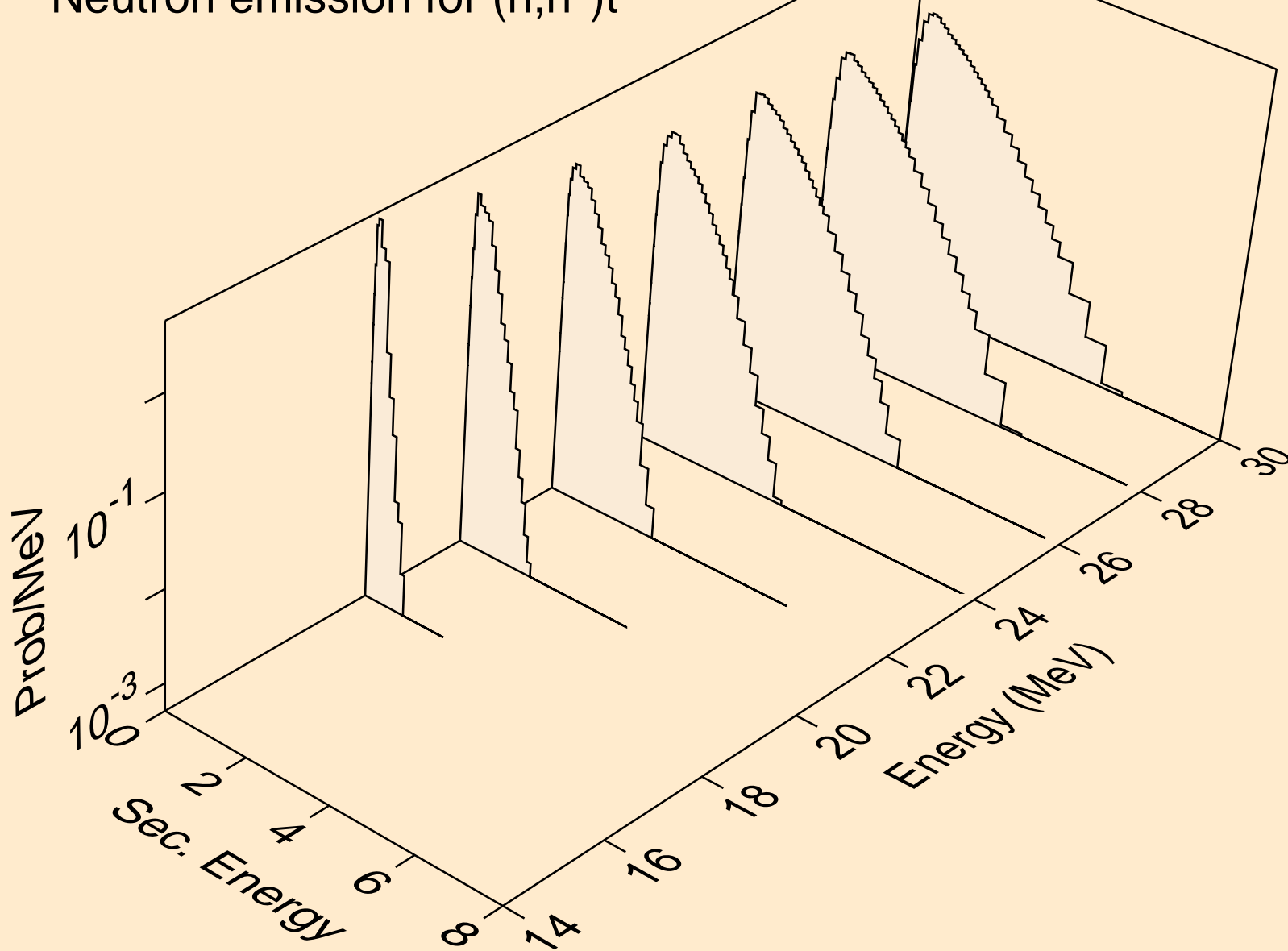


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

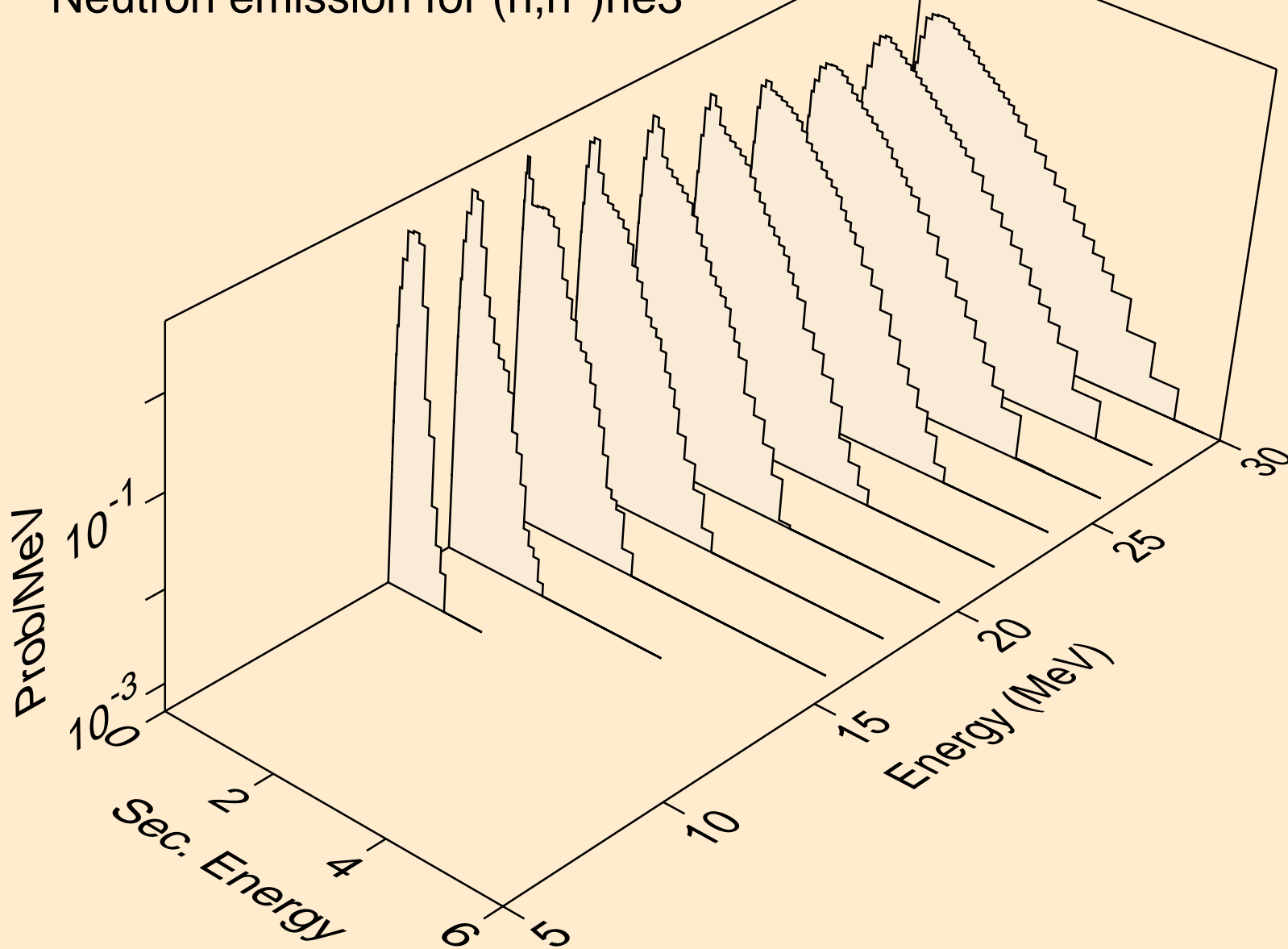




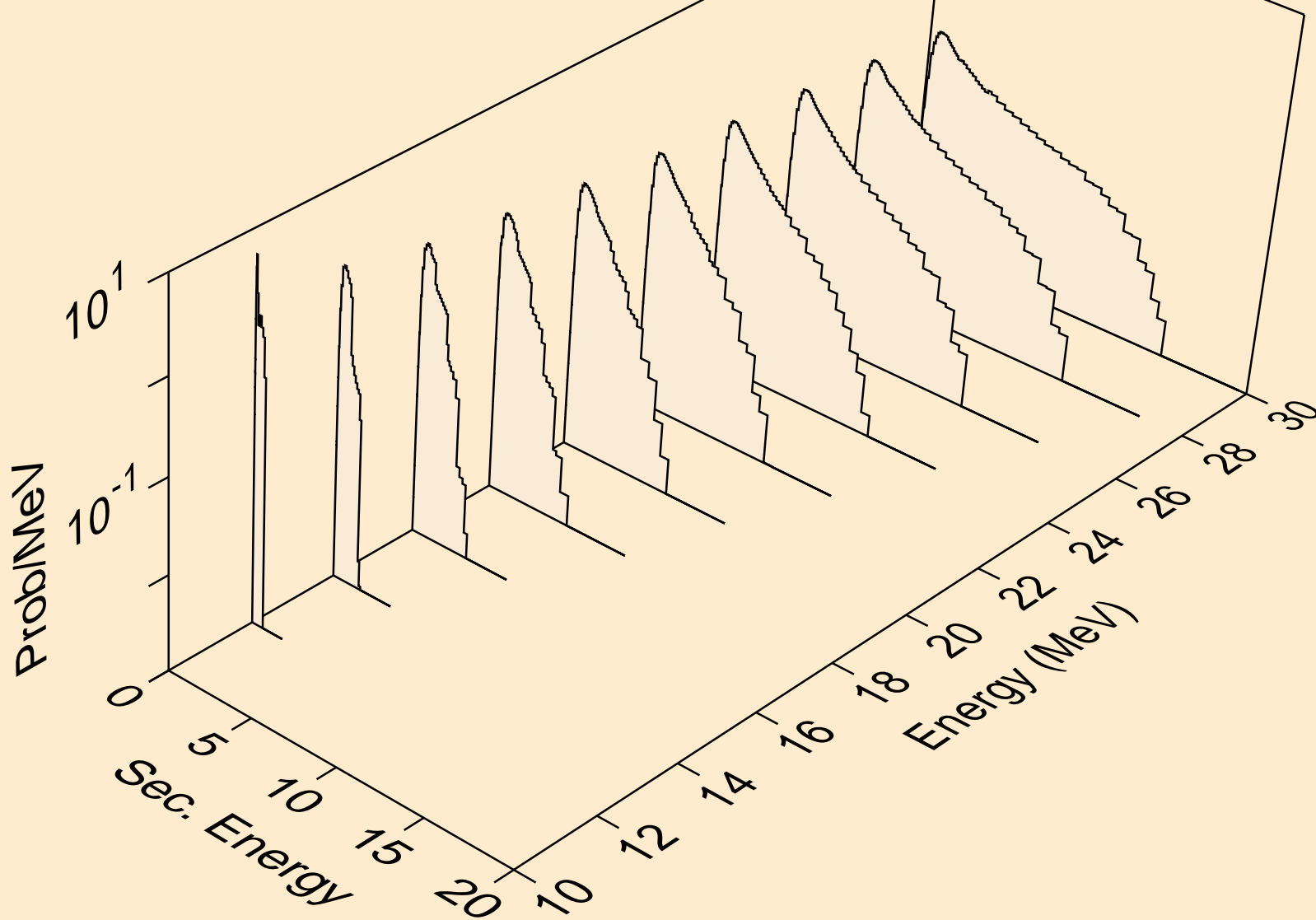
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Neutron emission for (n,n\*)t



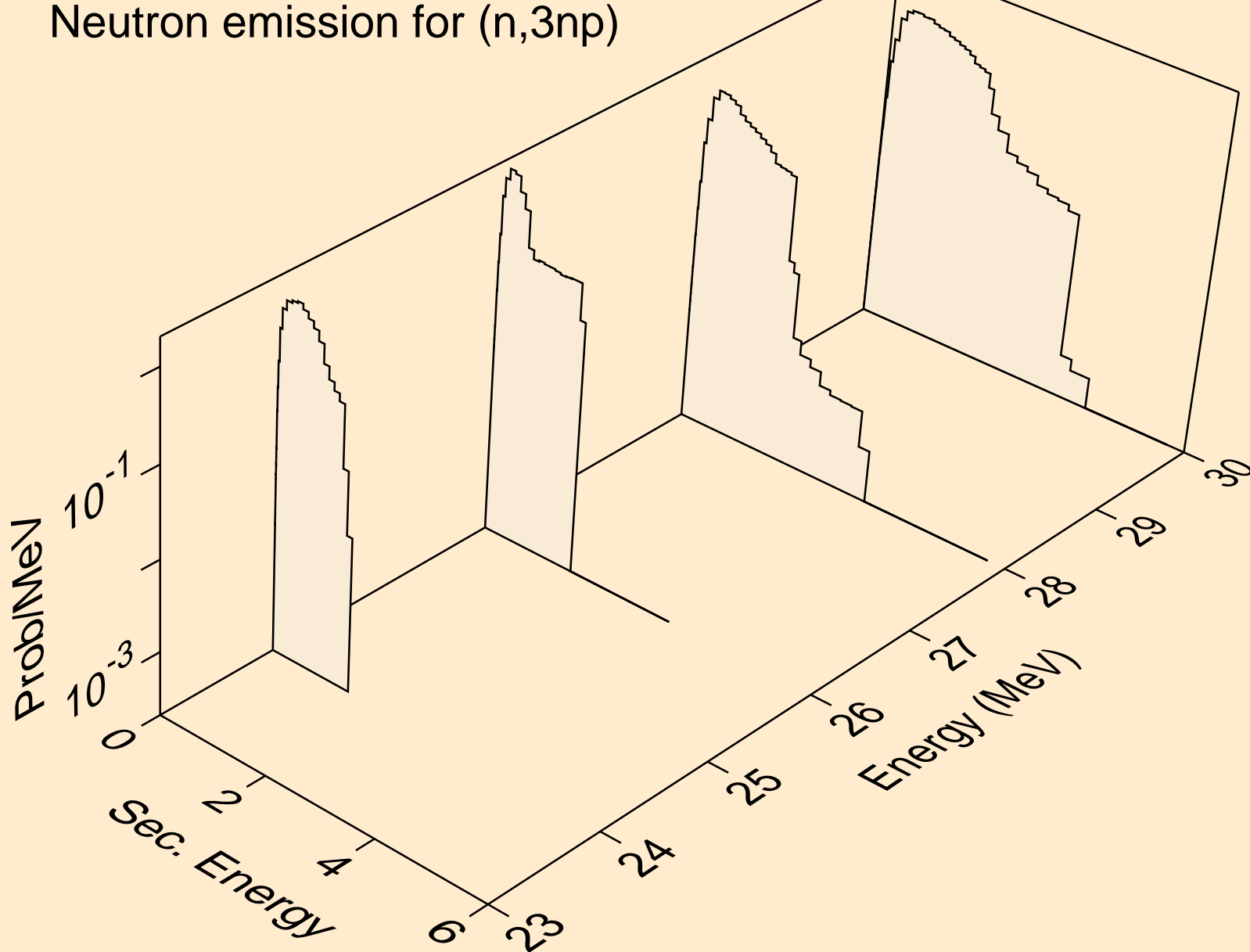
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



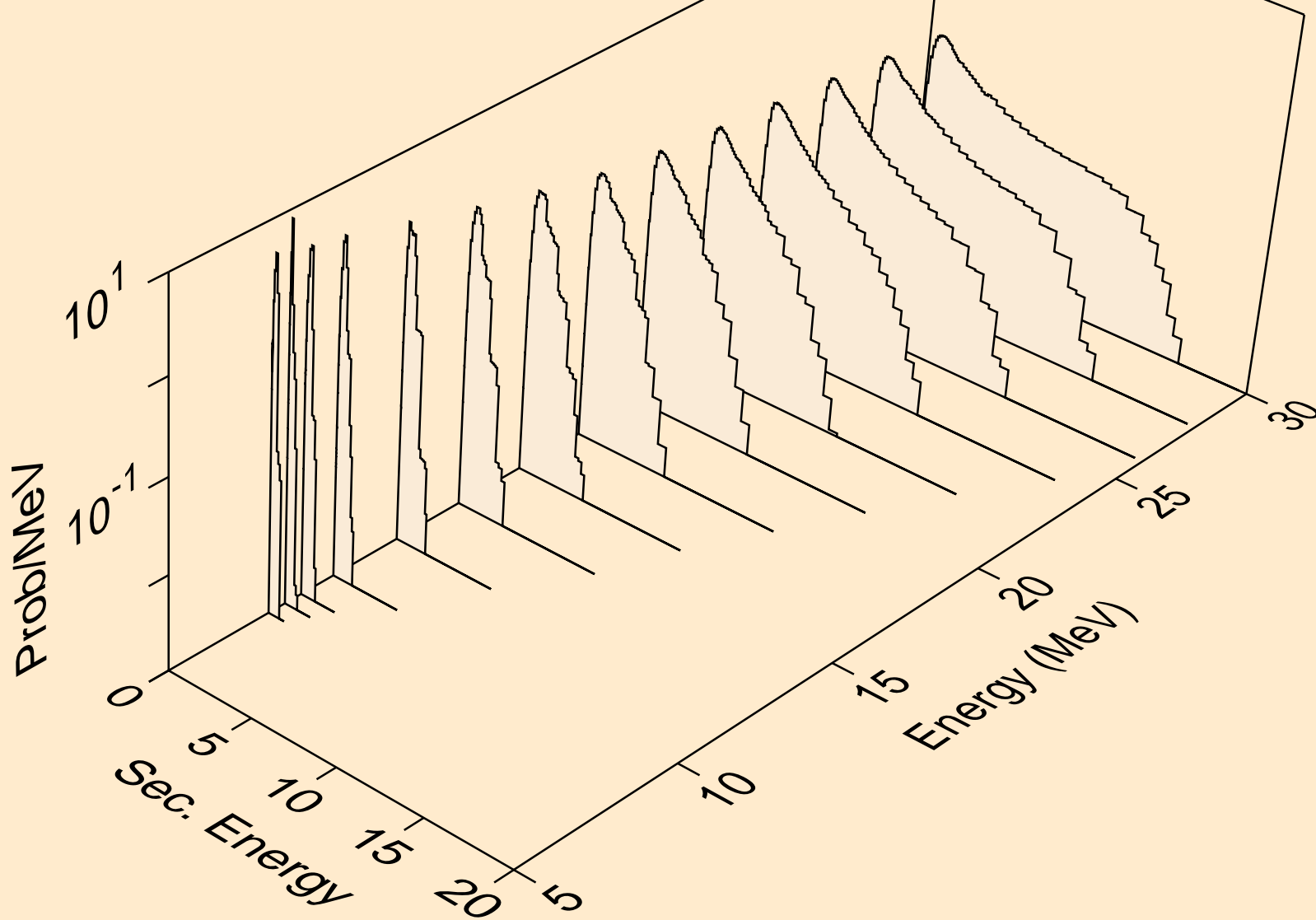
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Neutron emission for (n,2np)



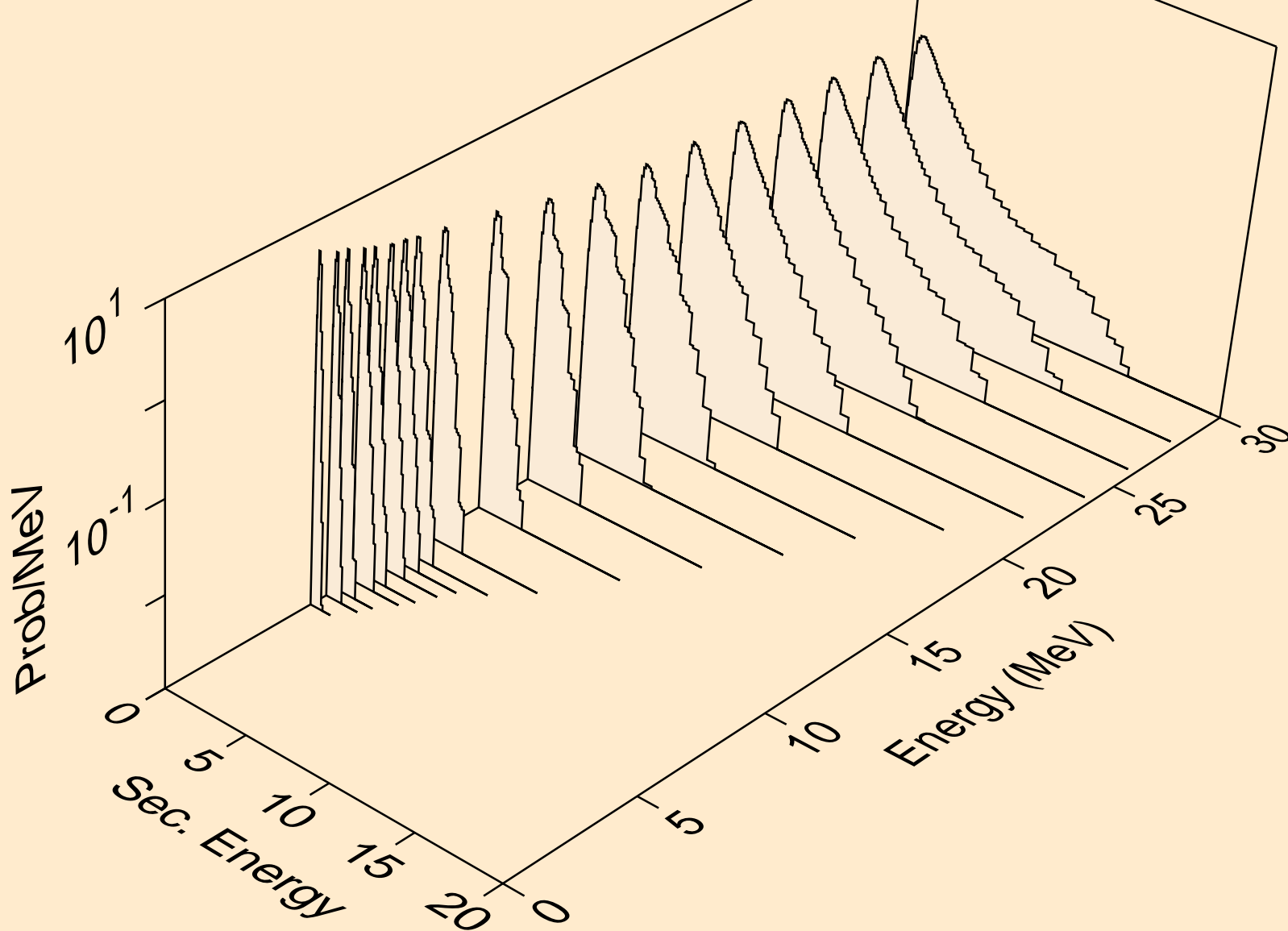
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Neutron emission for (n,3np)



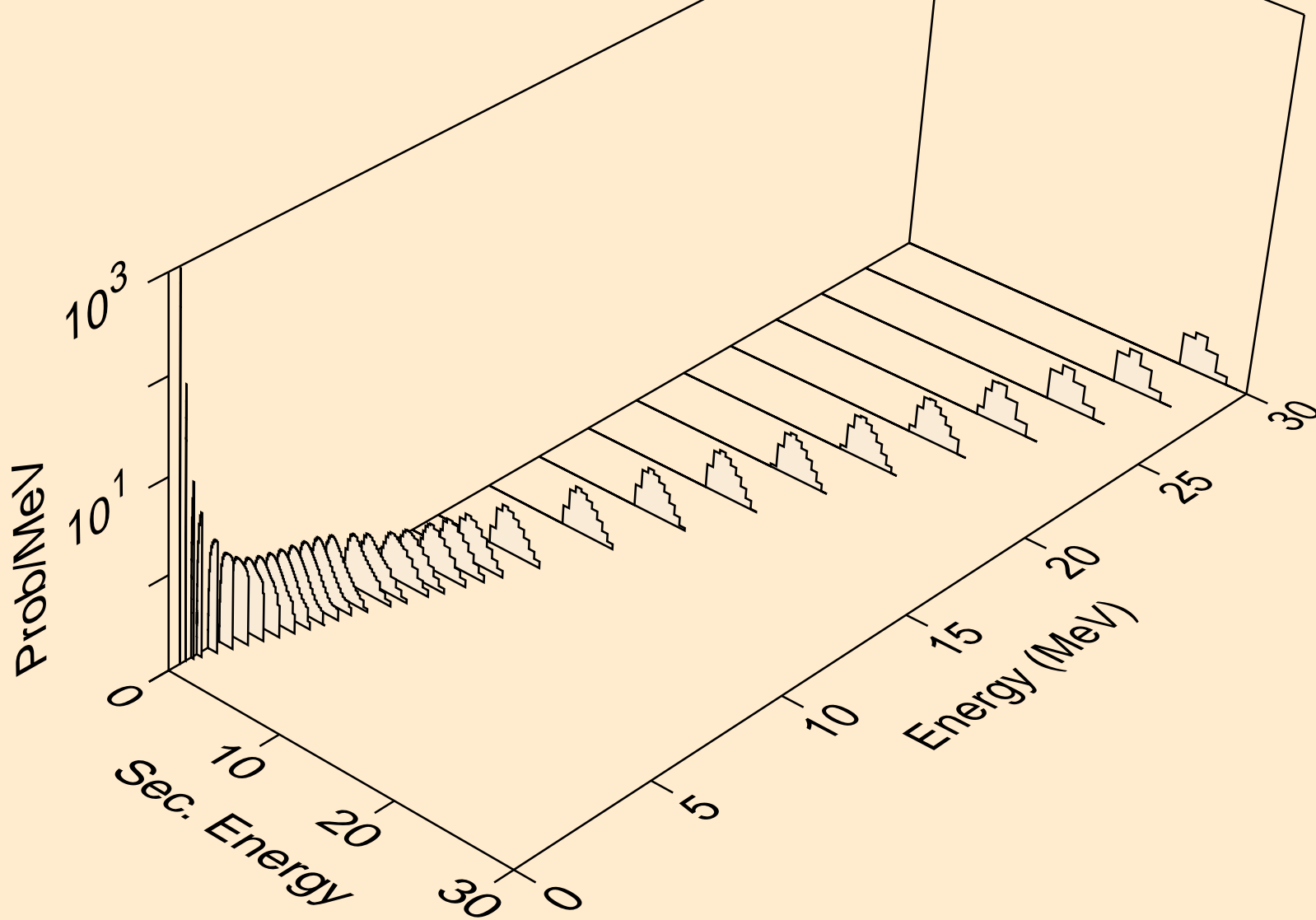
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Neutron emission for (n,2np)



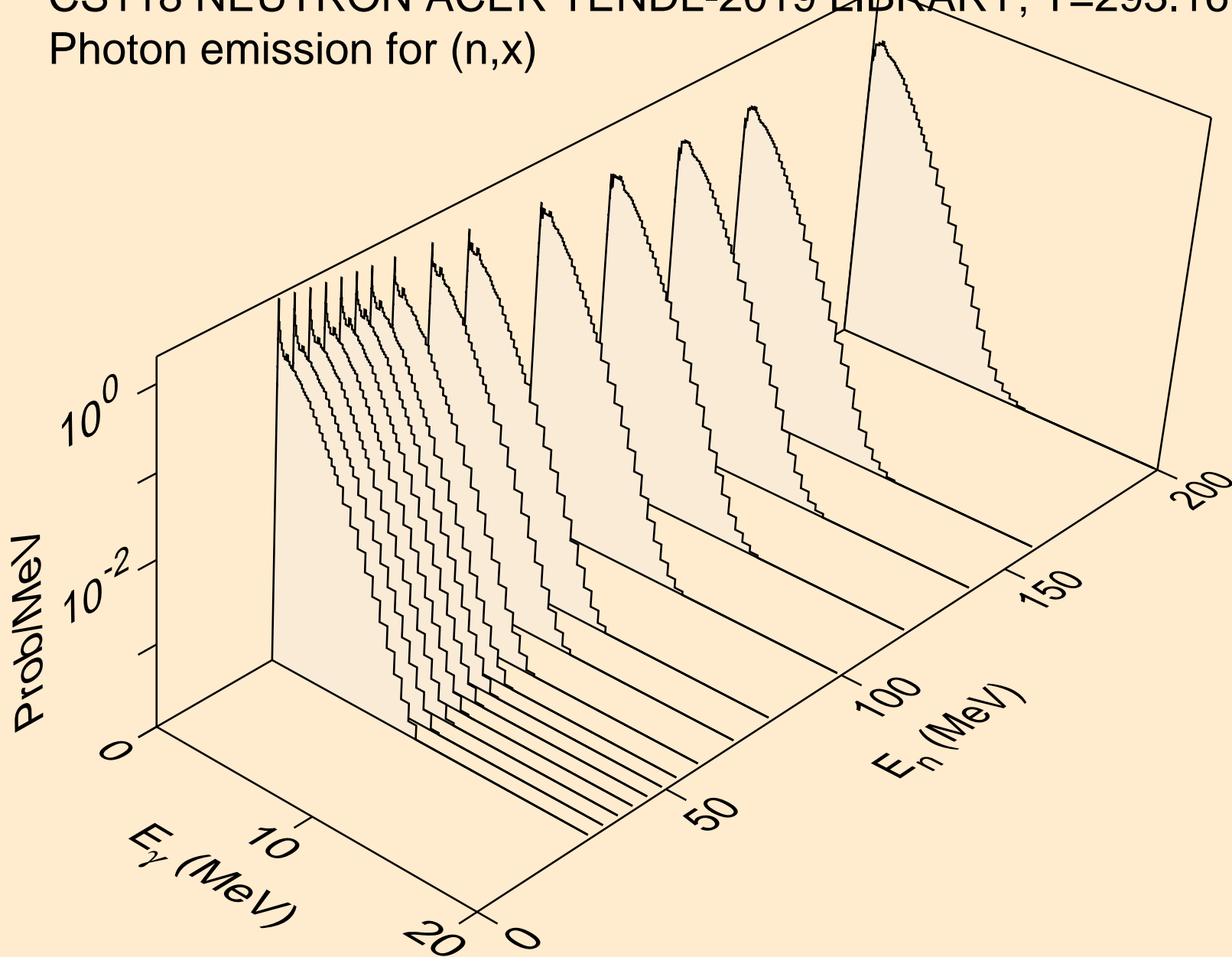
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

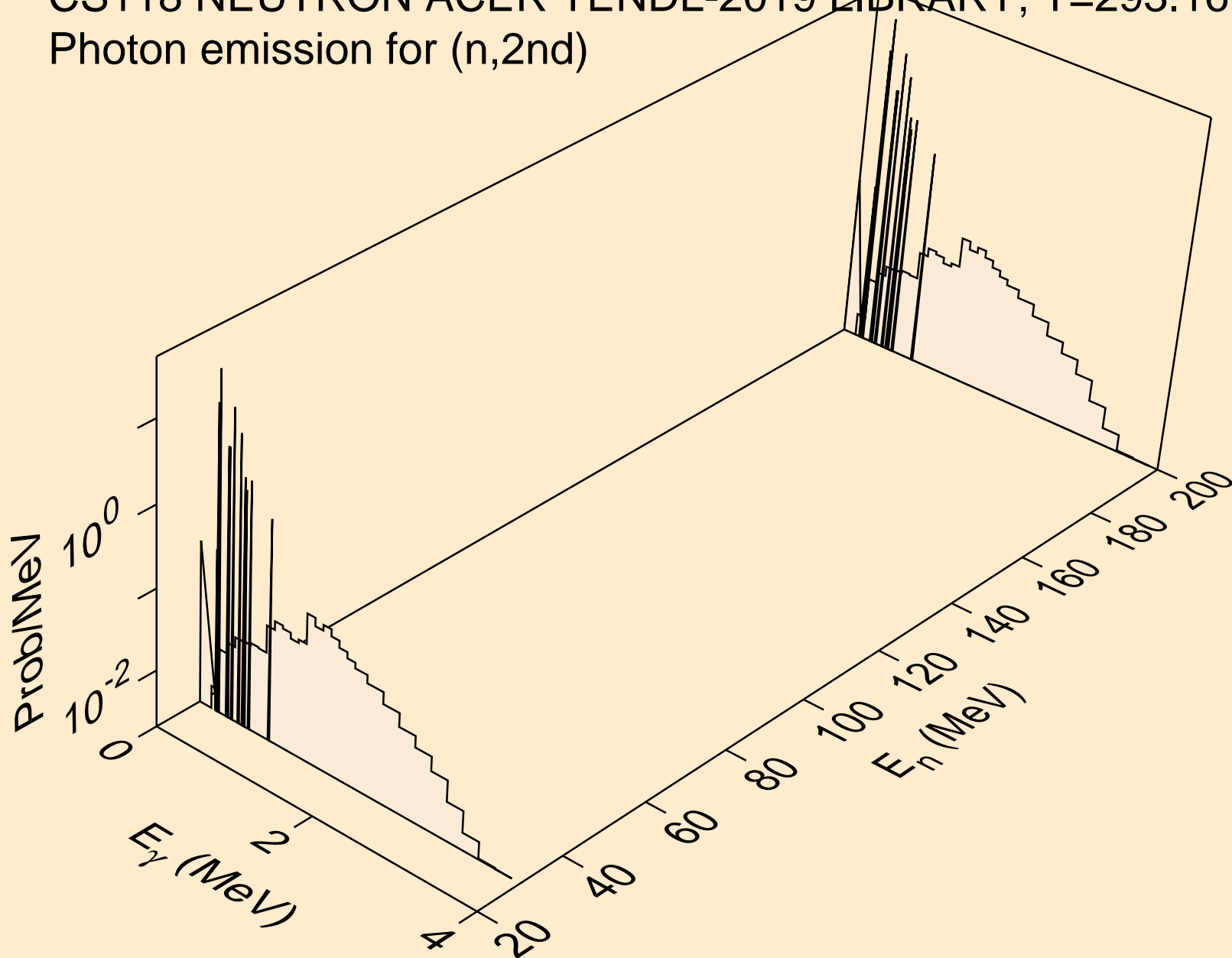


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

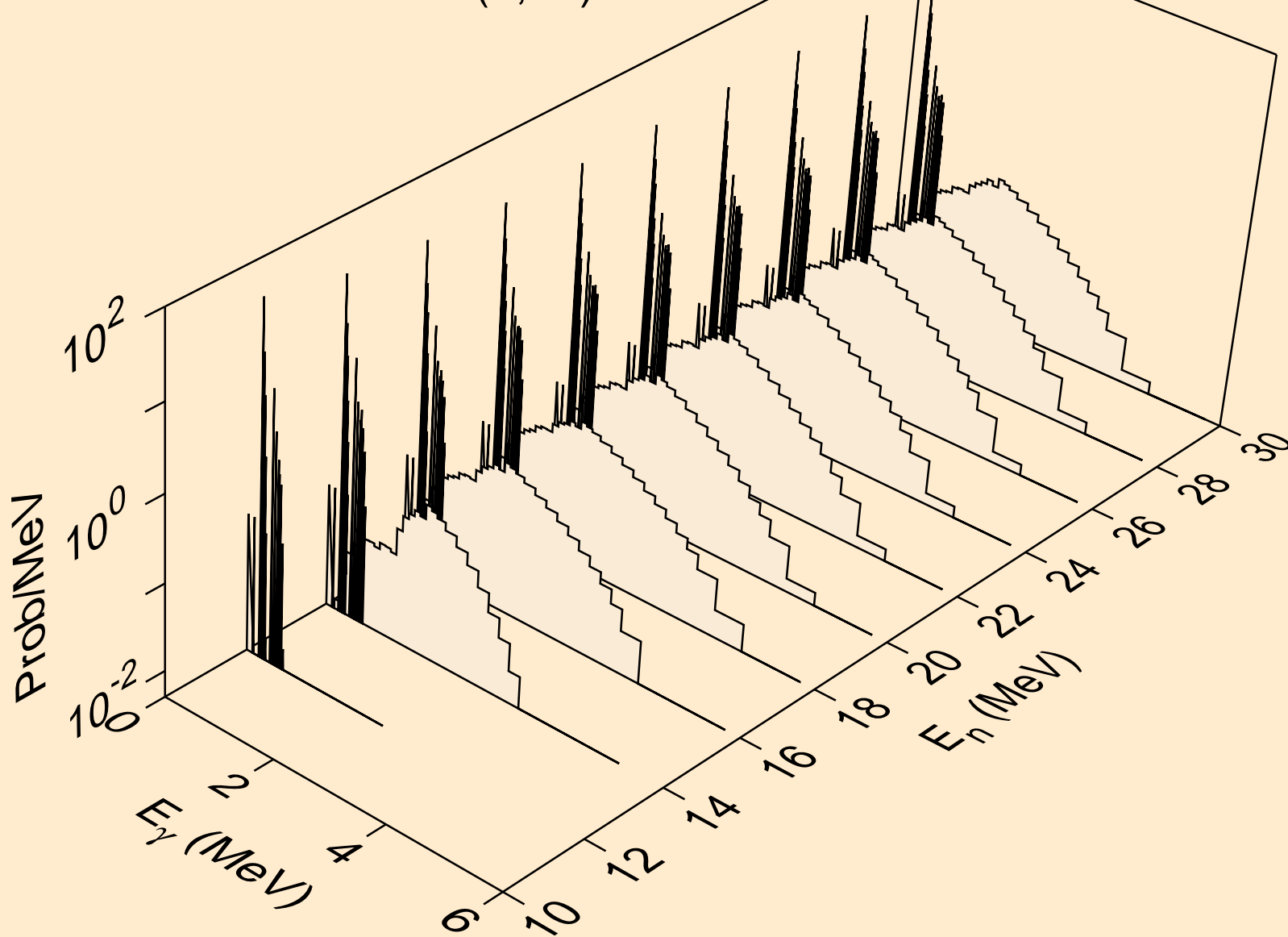




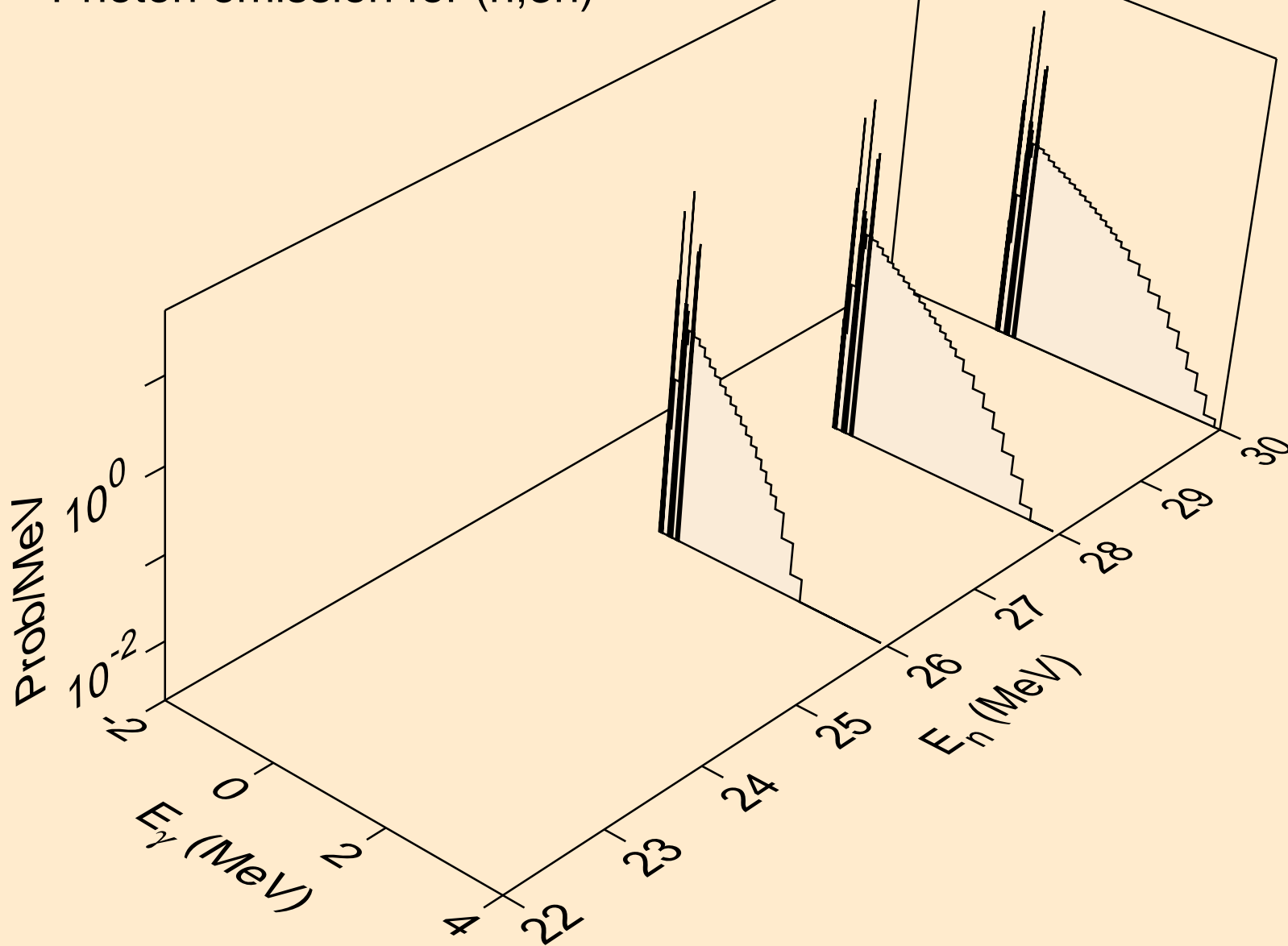
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Photon emission for (n,2nd)



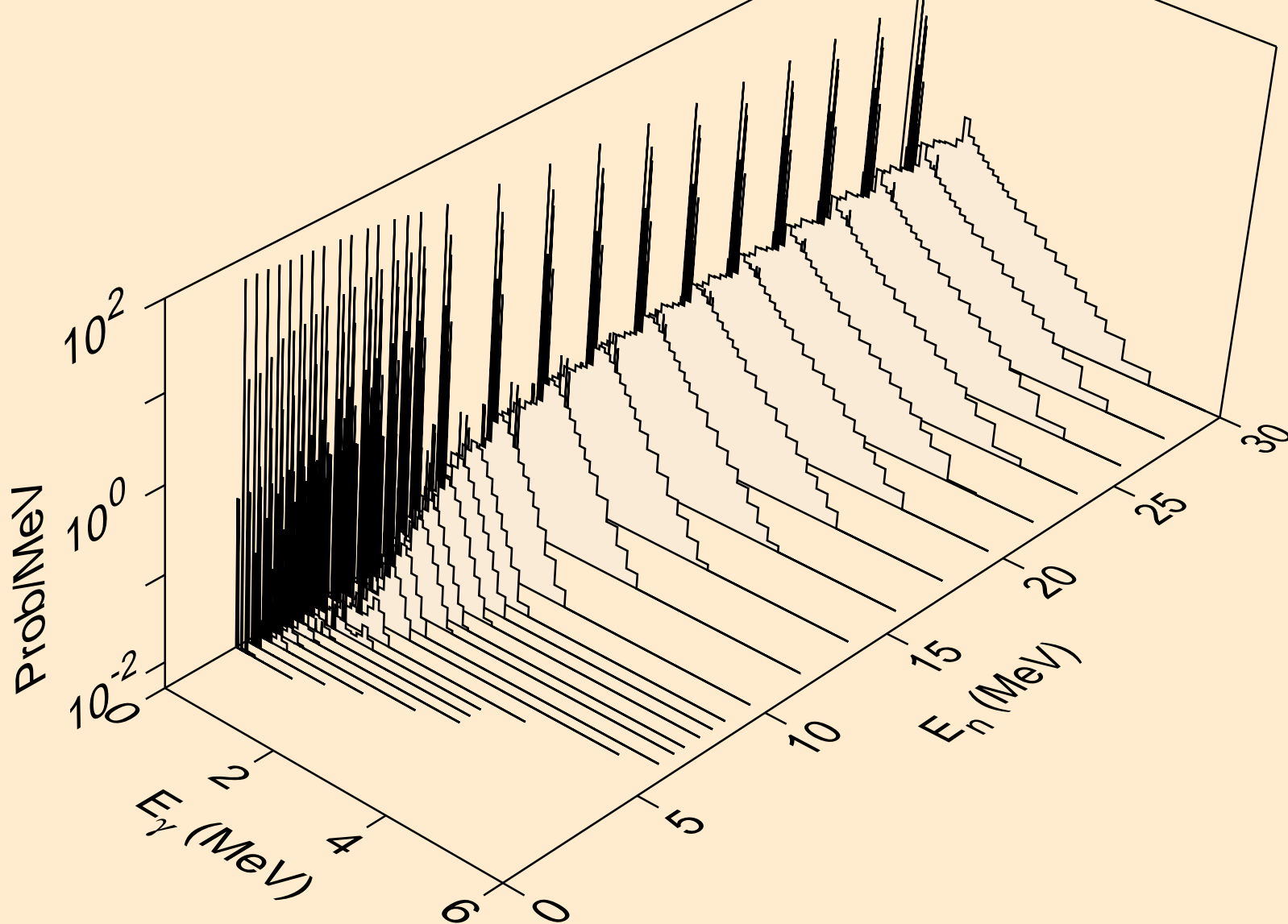
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



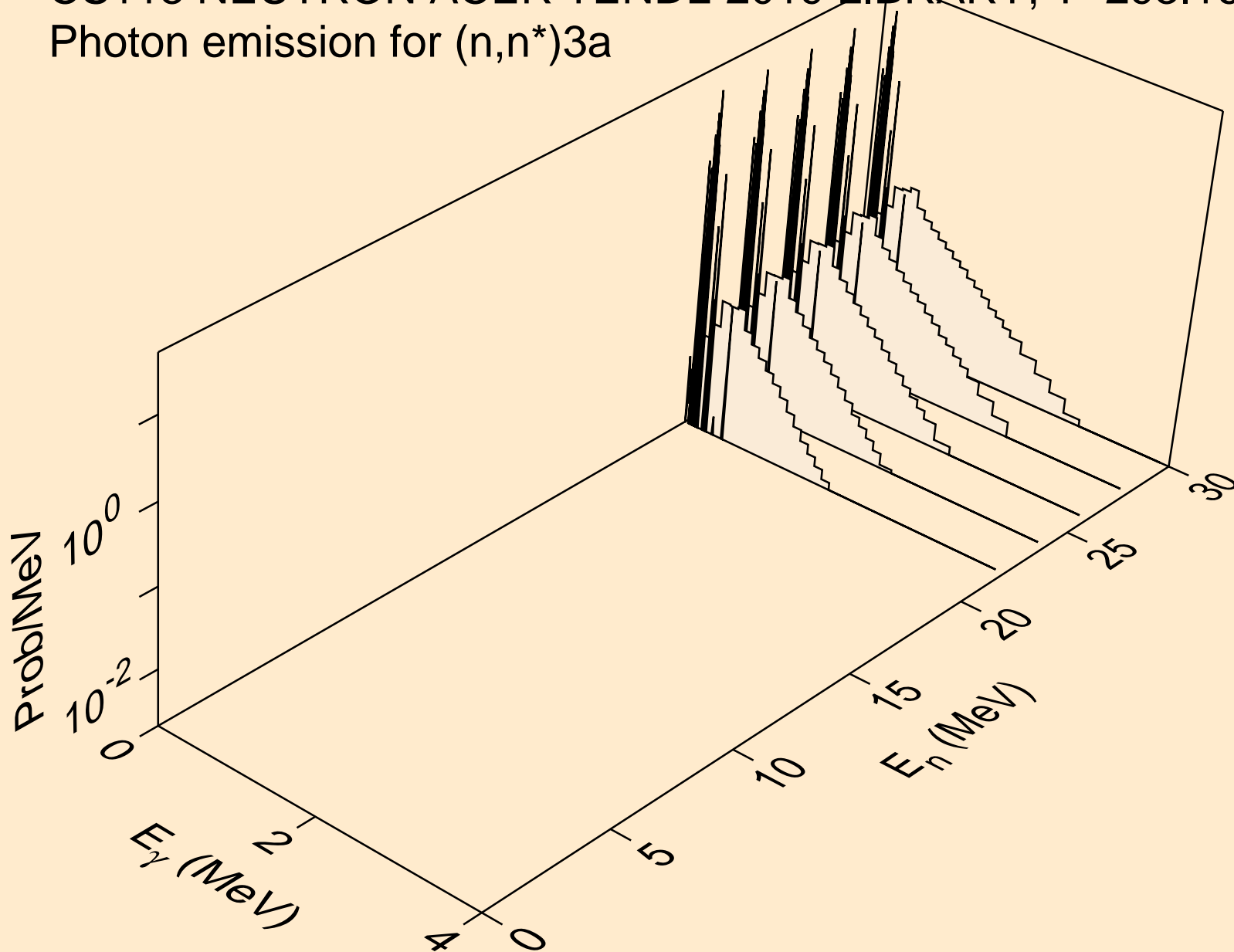
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



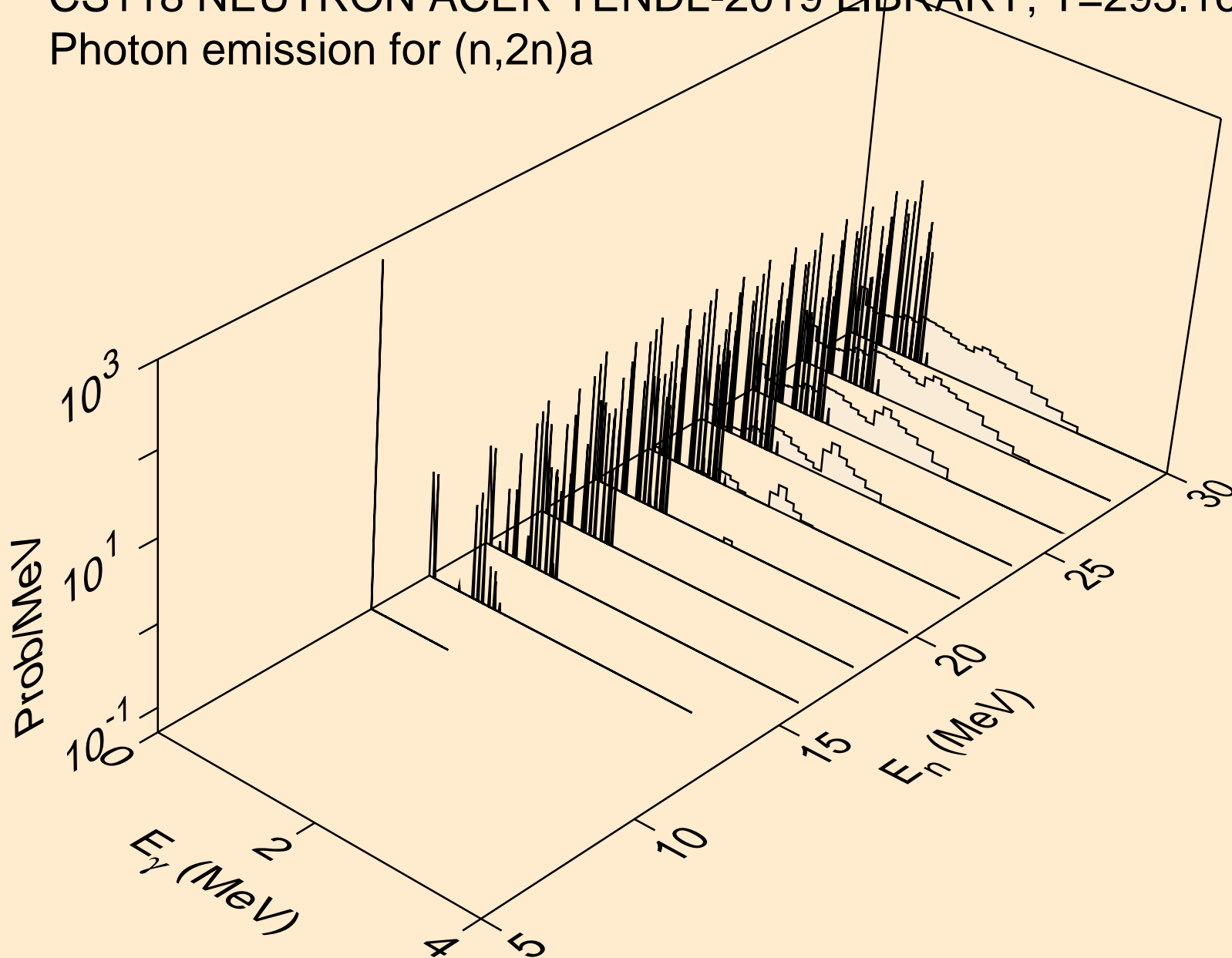
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



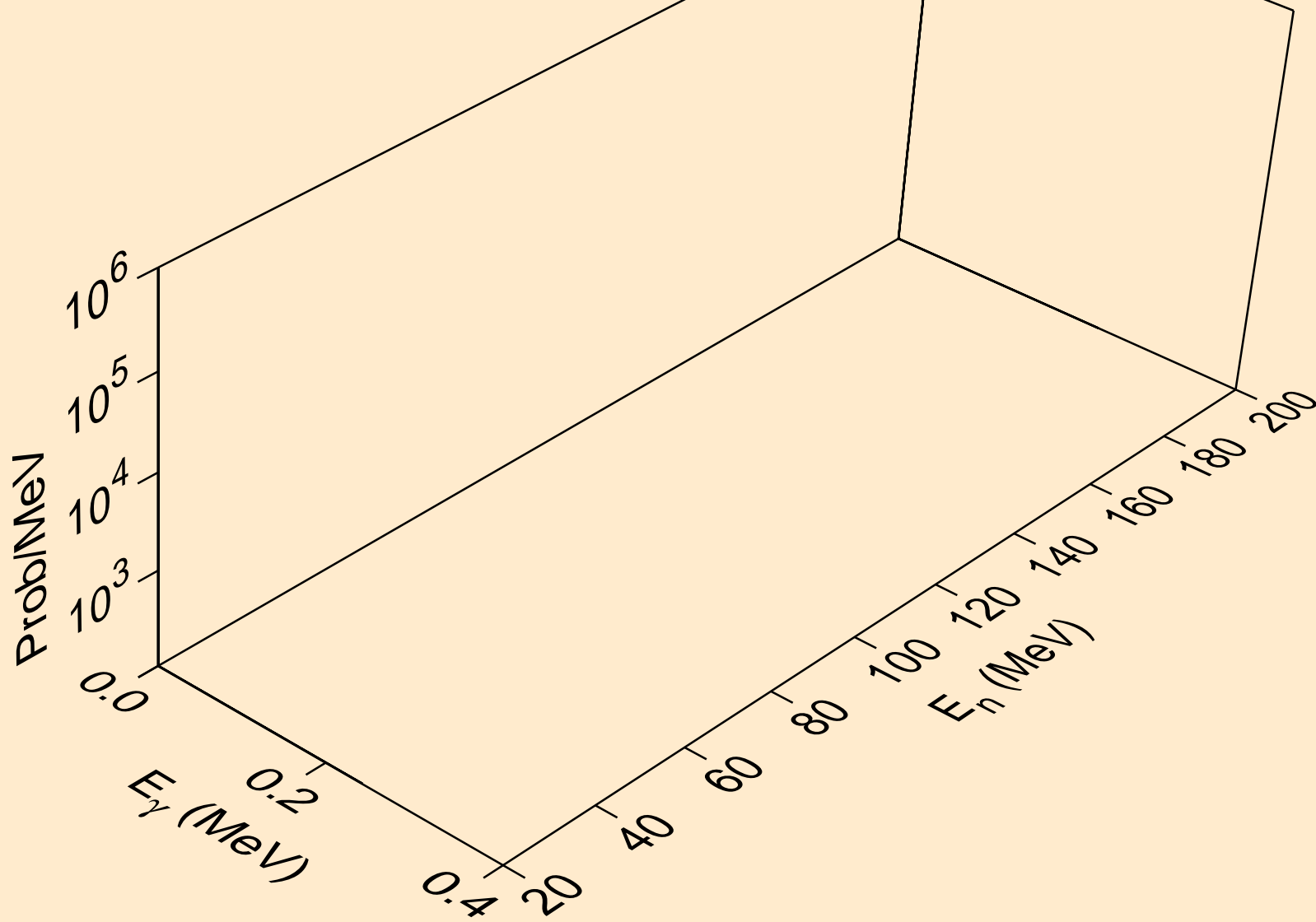
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)3a



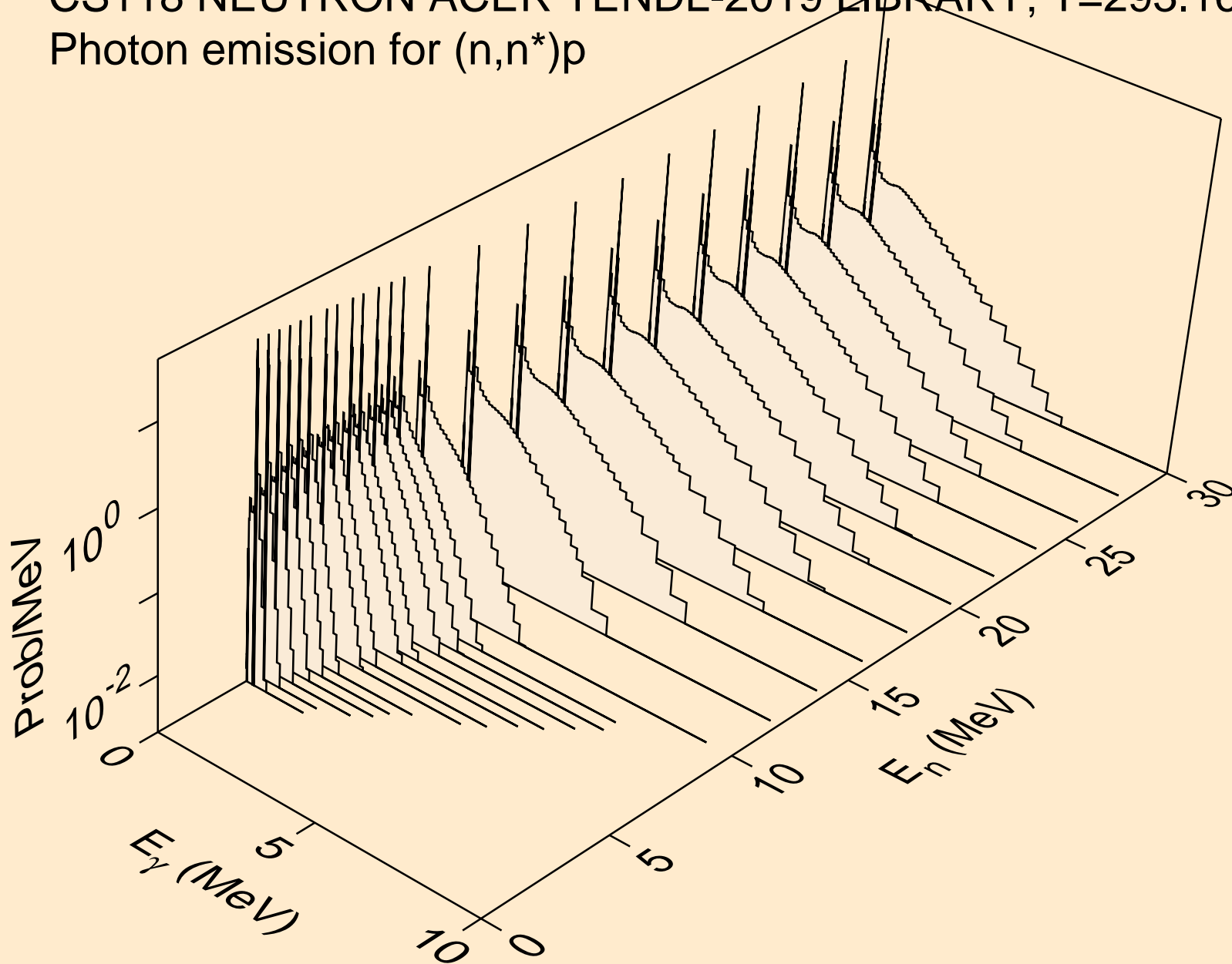
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n) $\alpha$



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

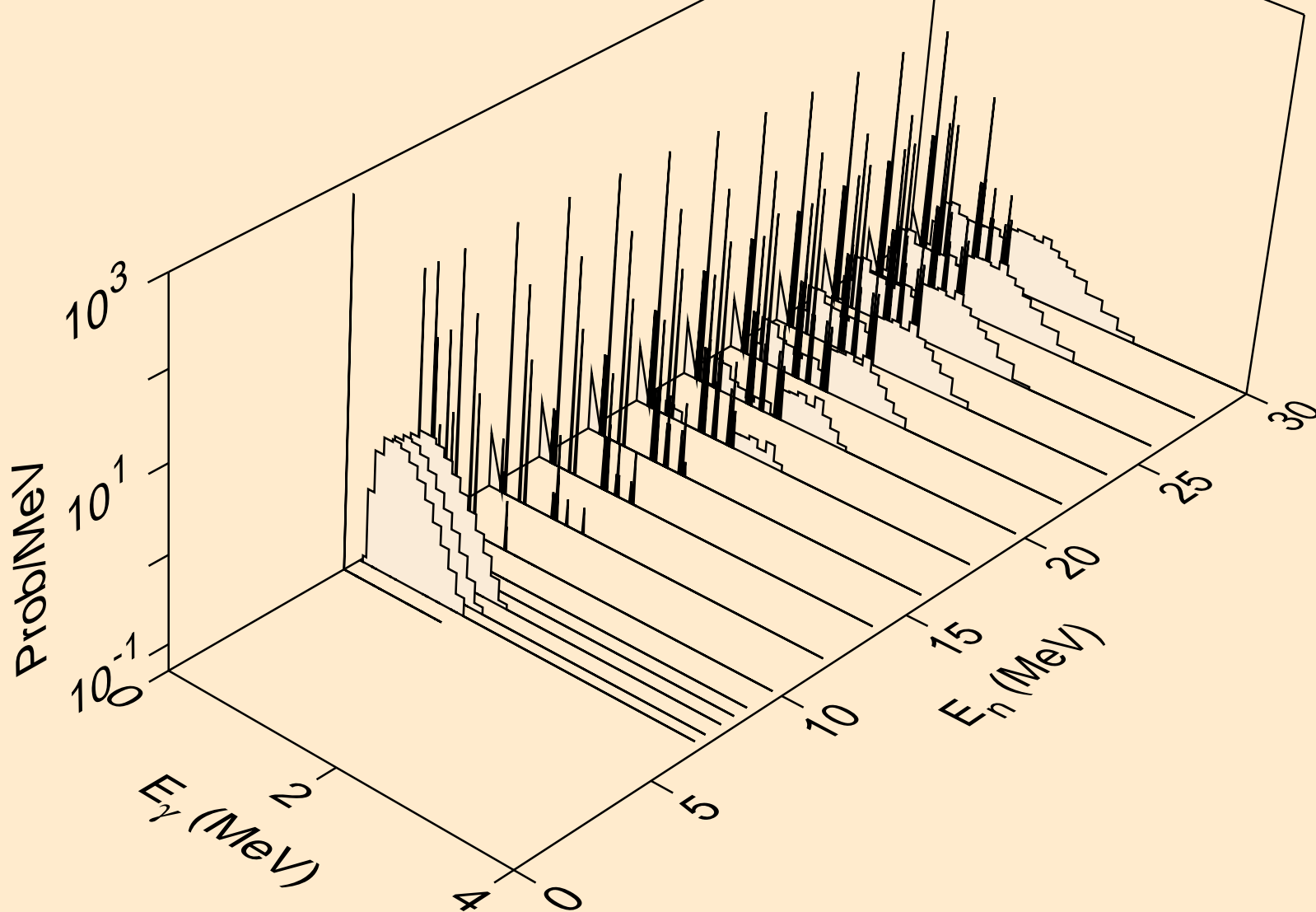


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

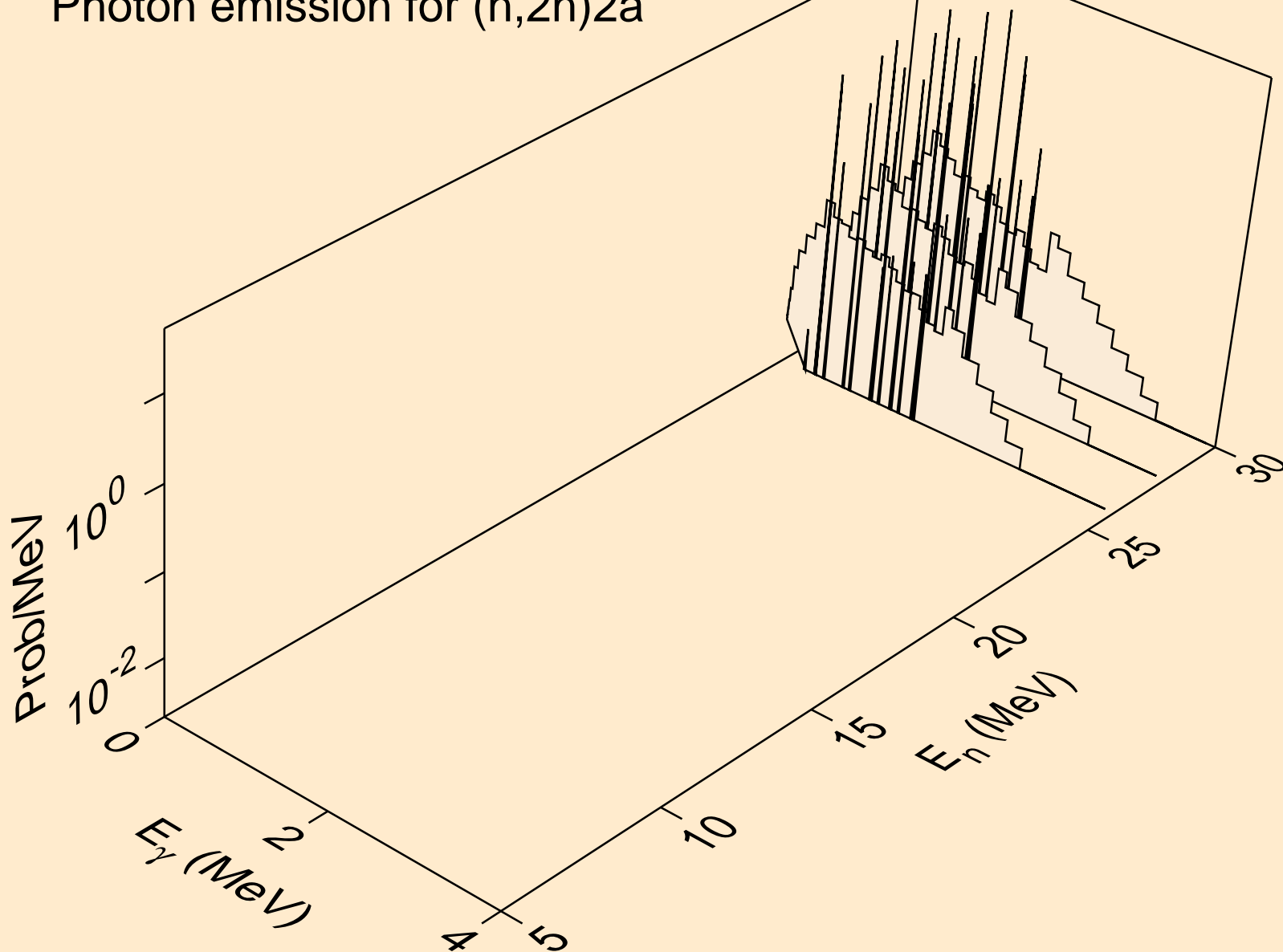




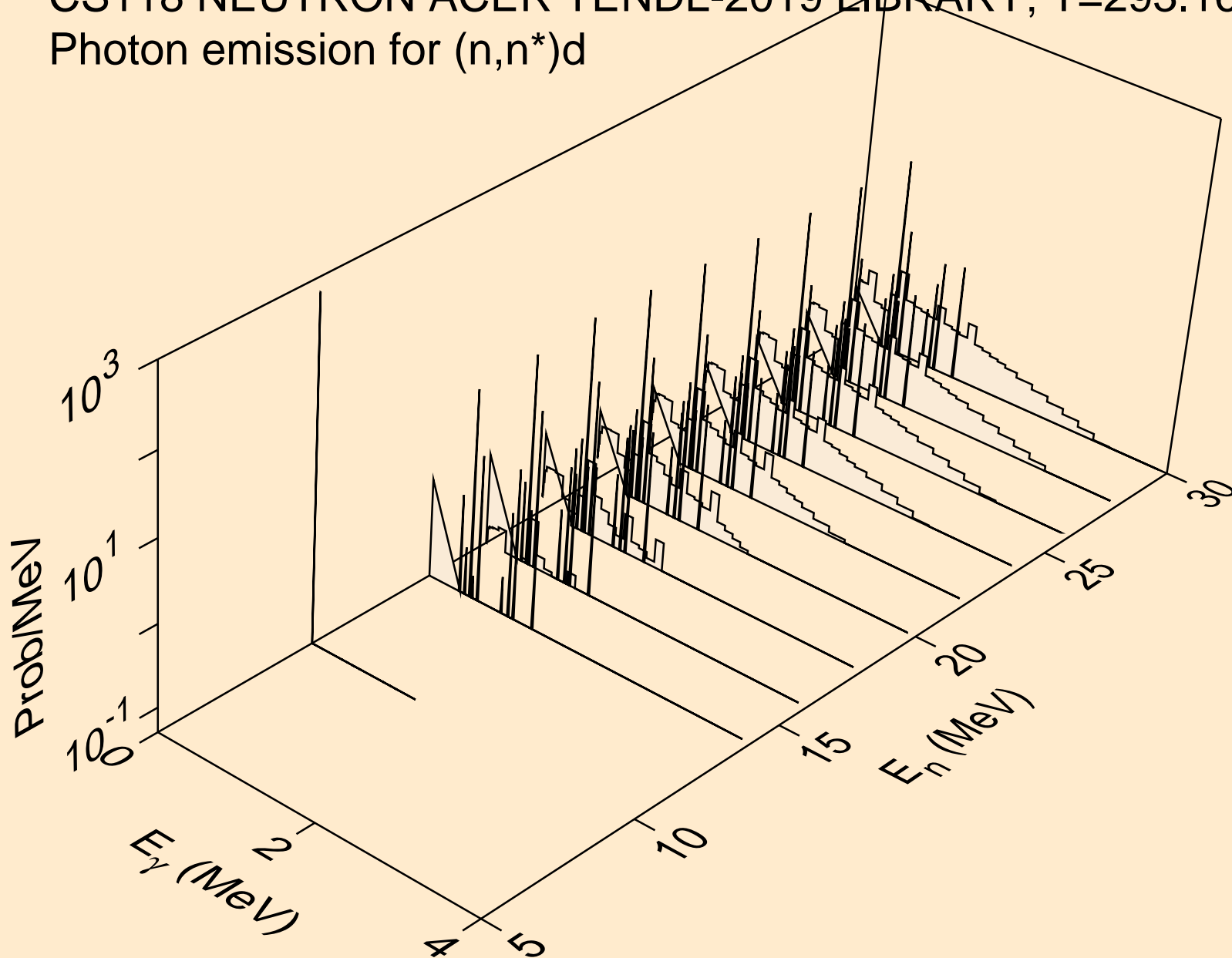
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



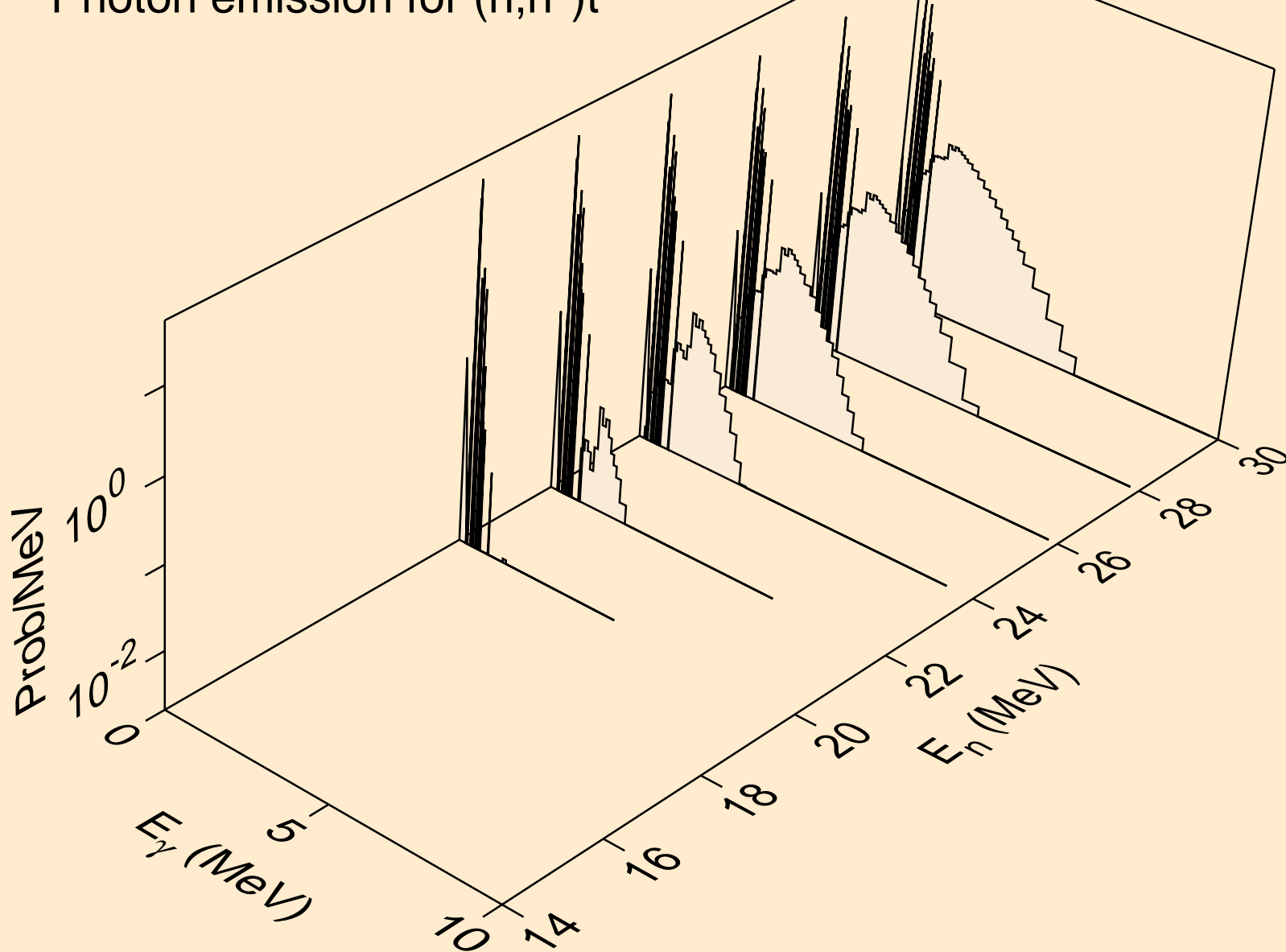
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



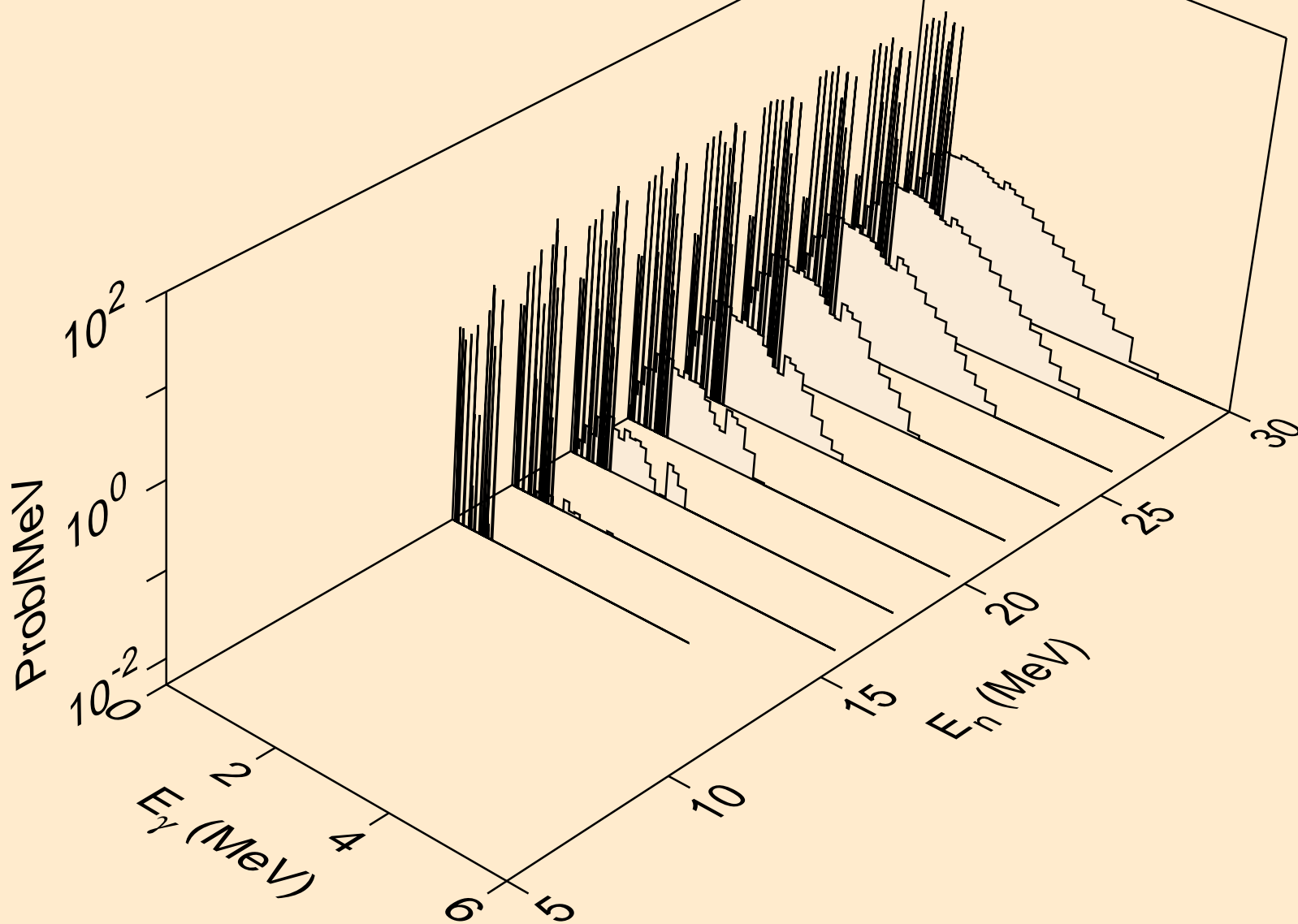
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



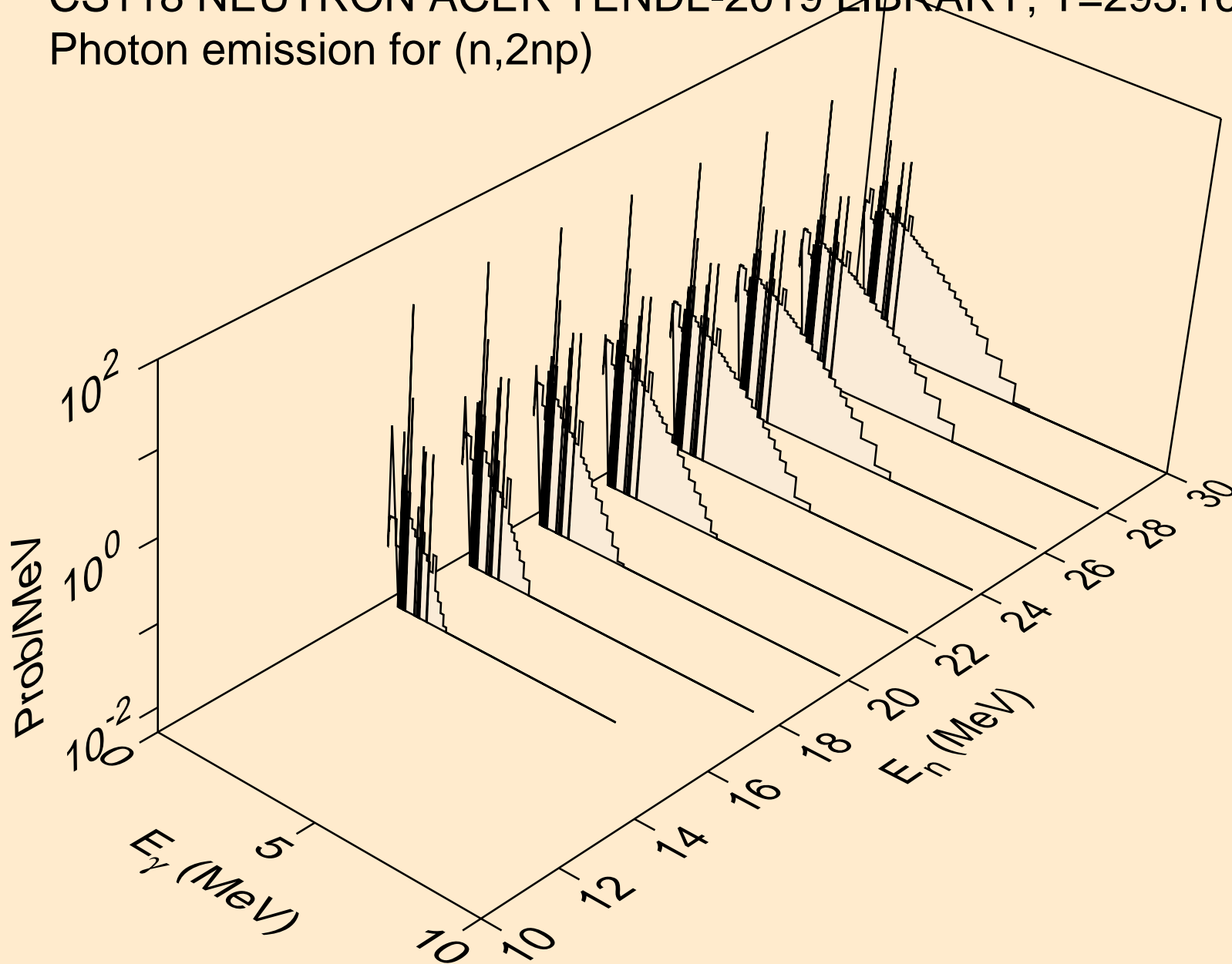
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



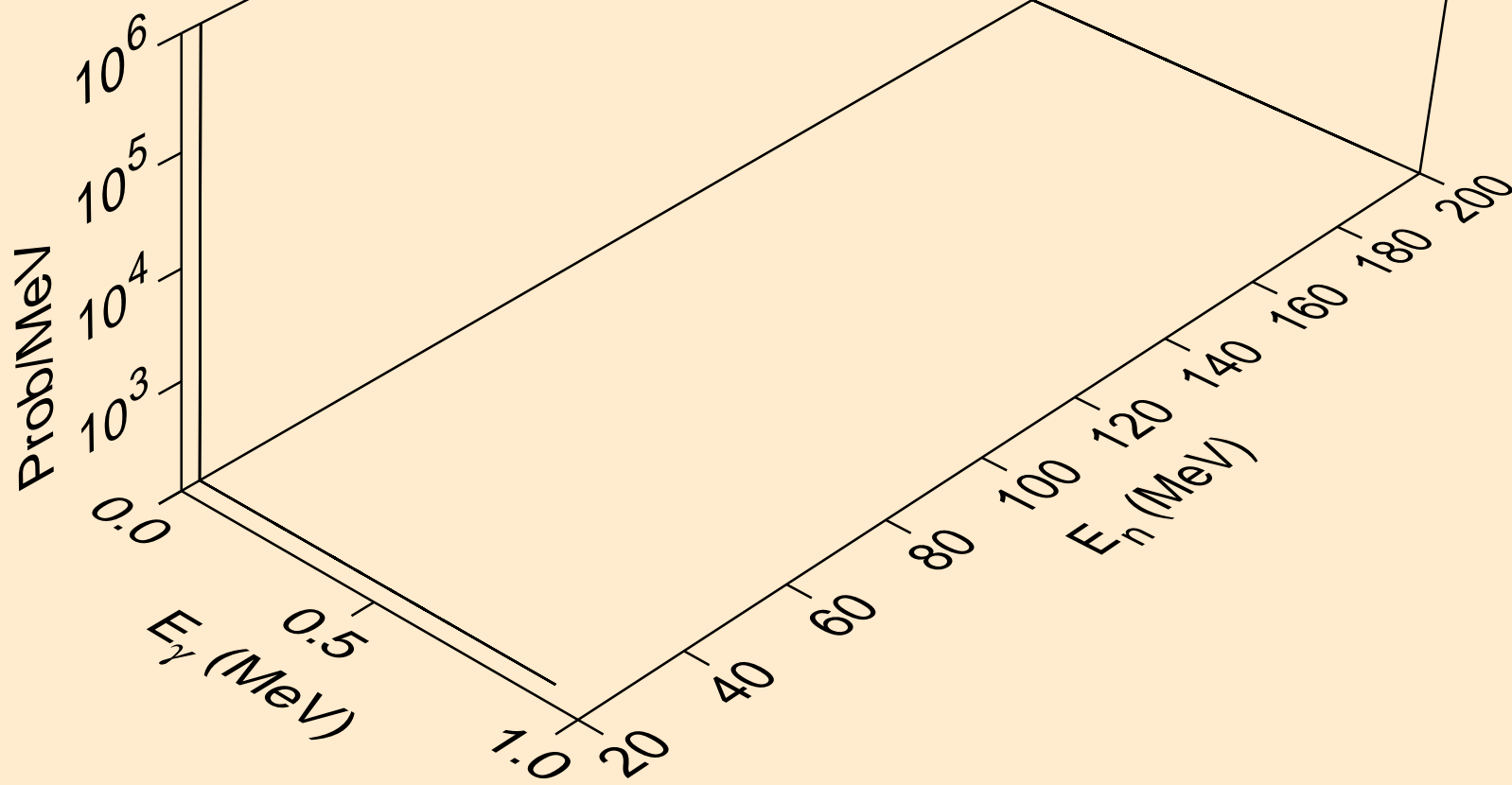
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



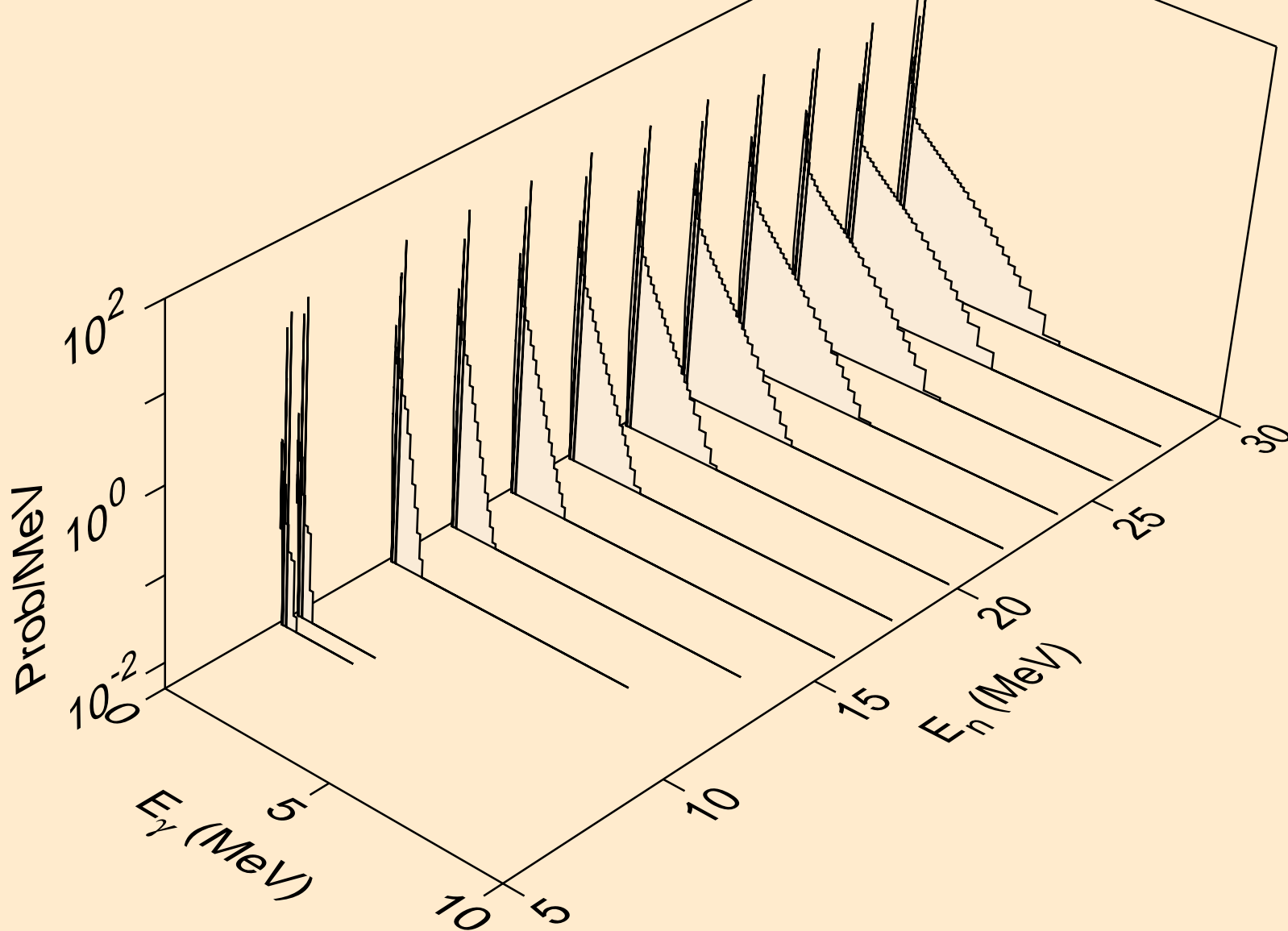
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

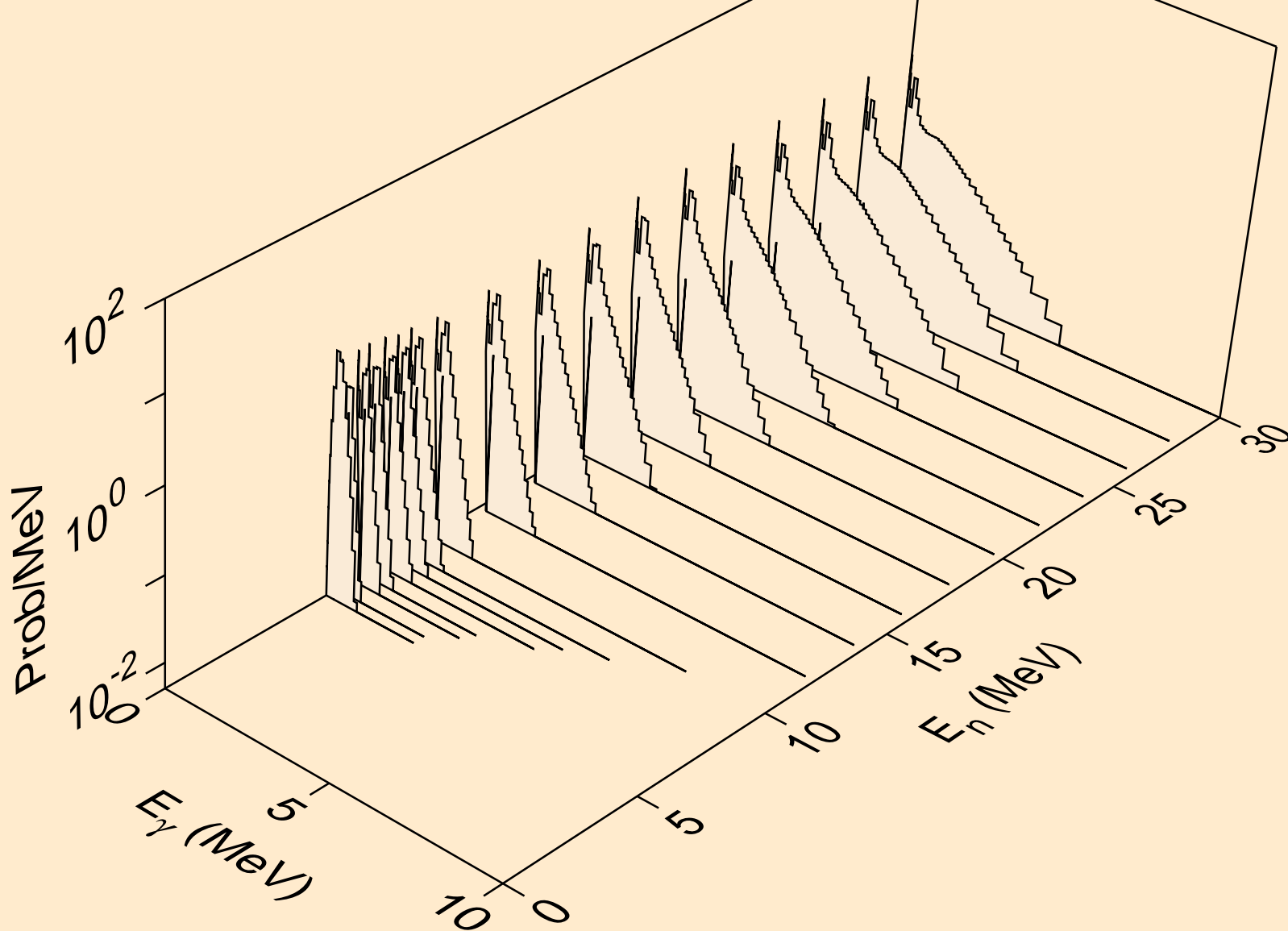


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

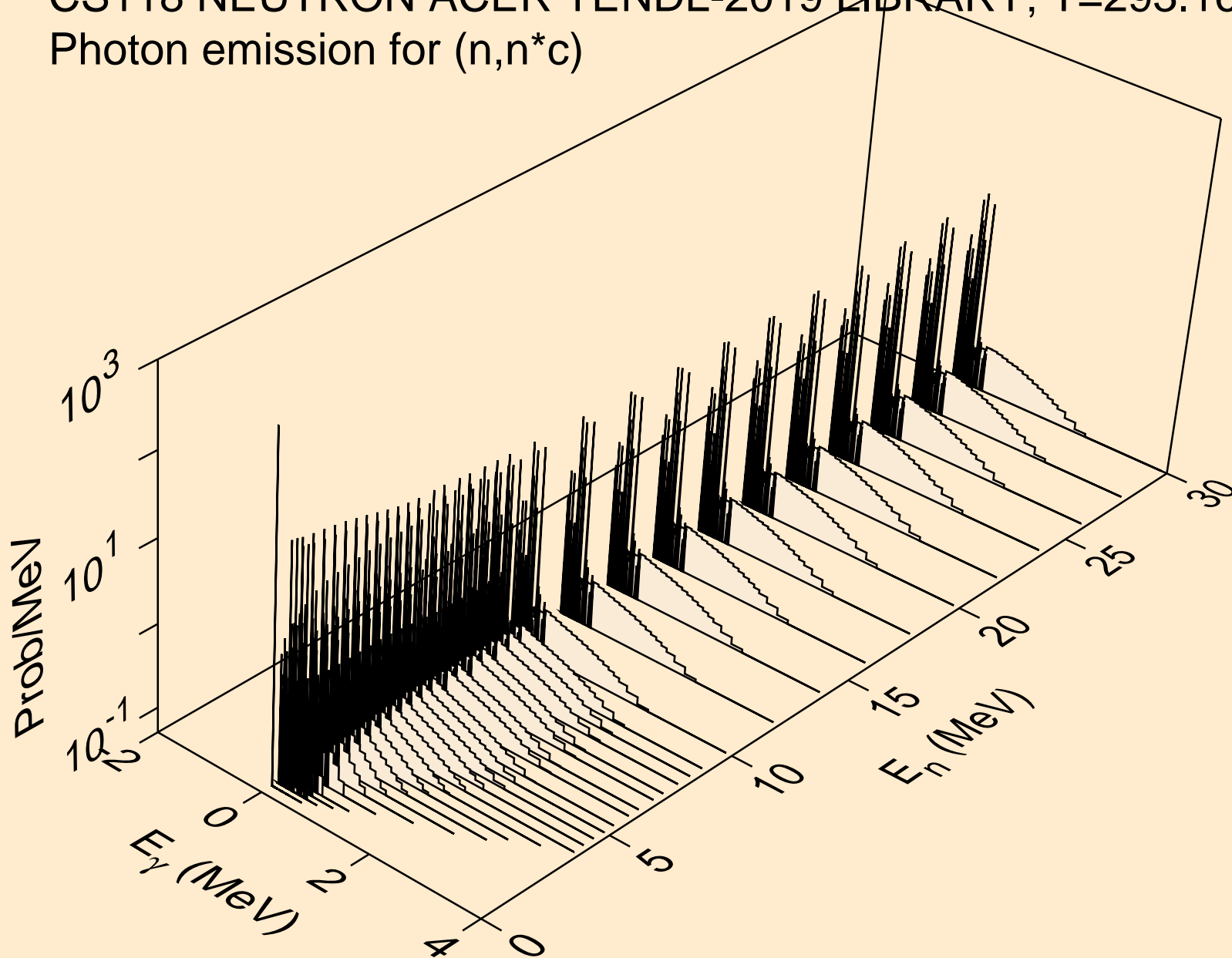




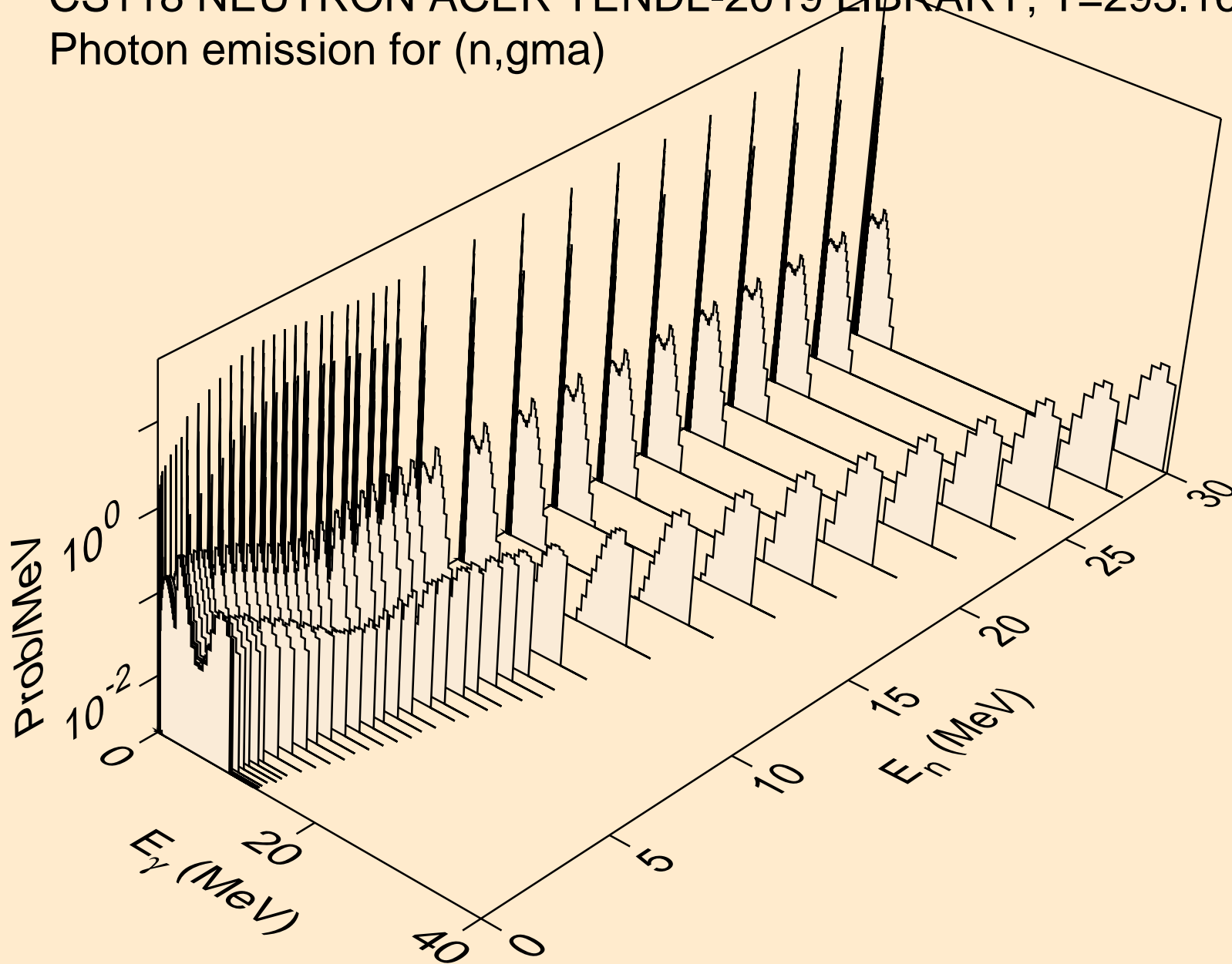
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



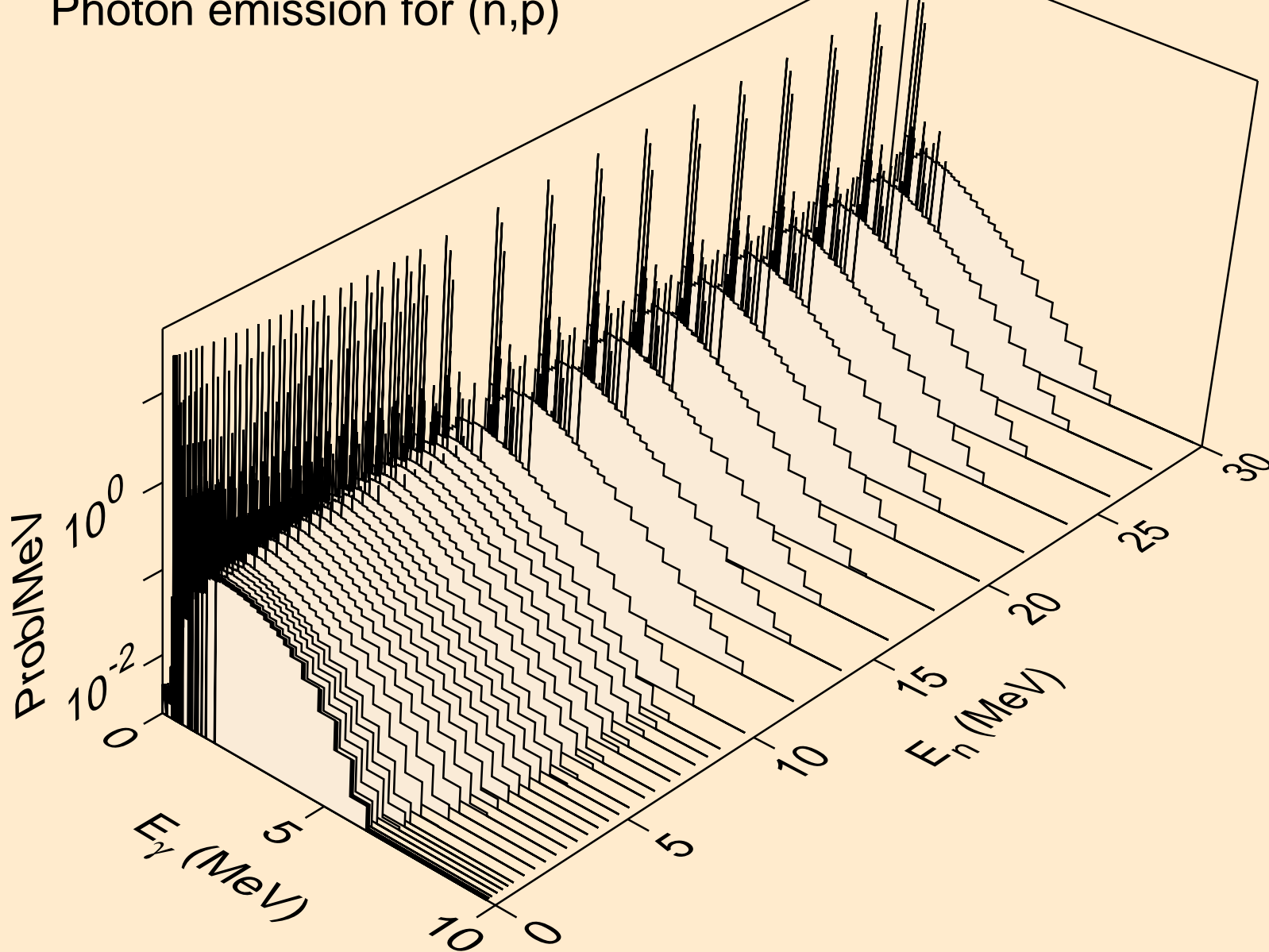
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



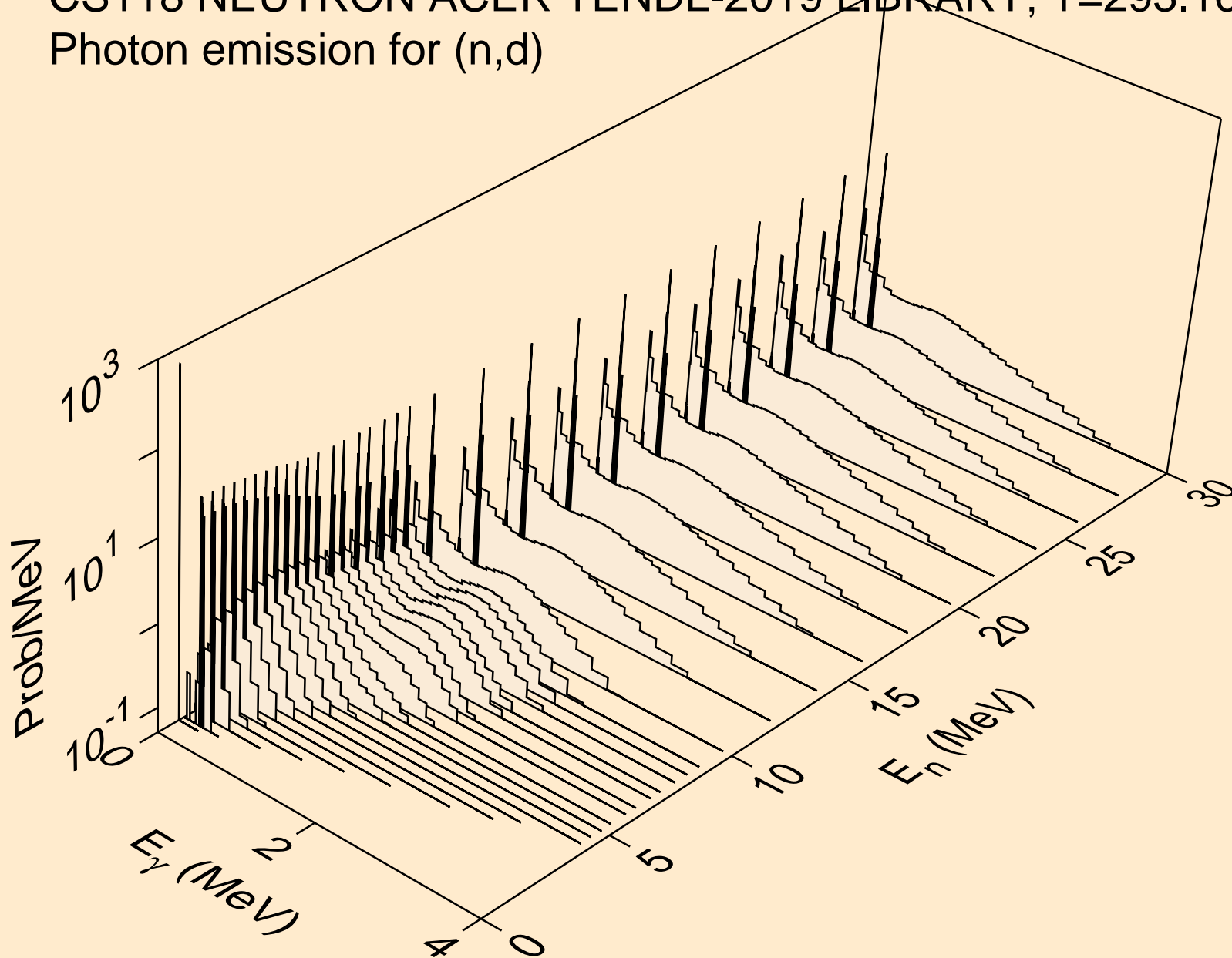
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Photon emission for (n,gma)



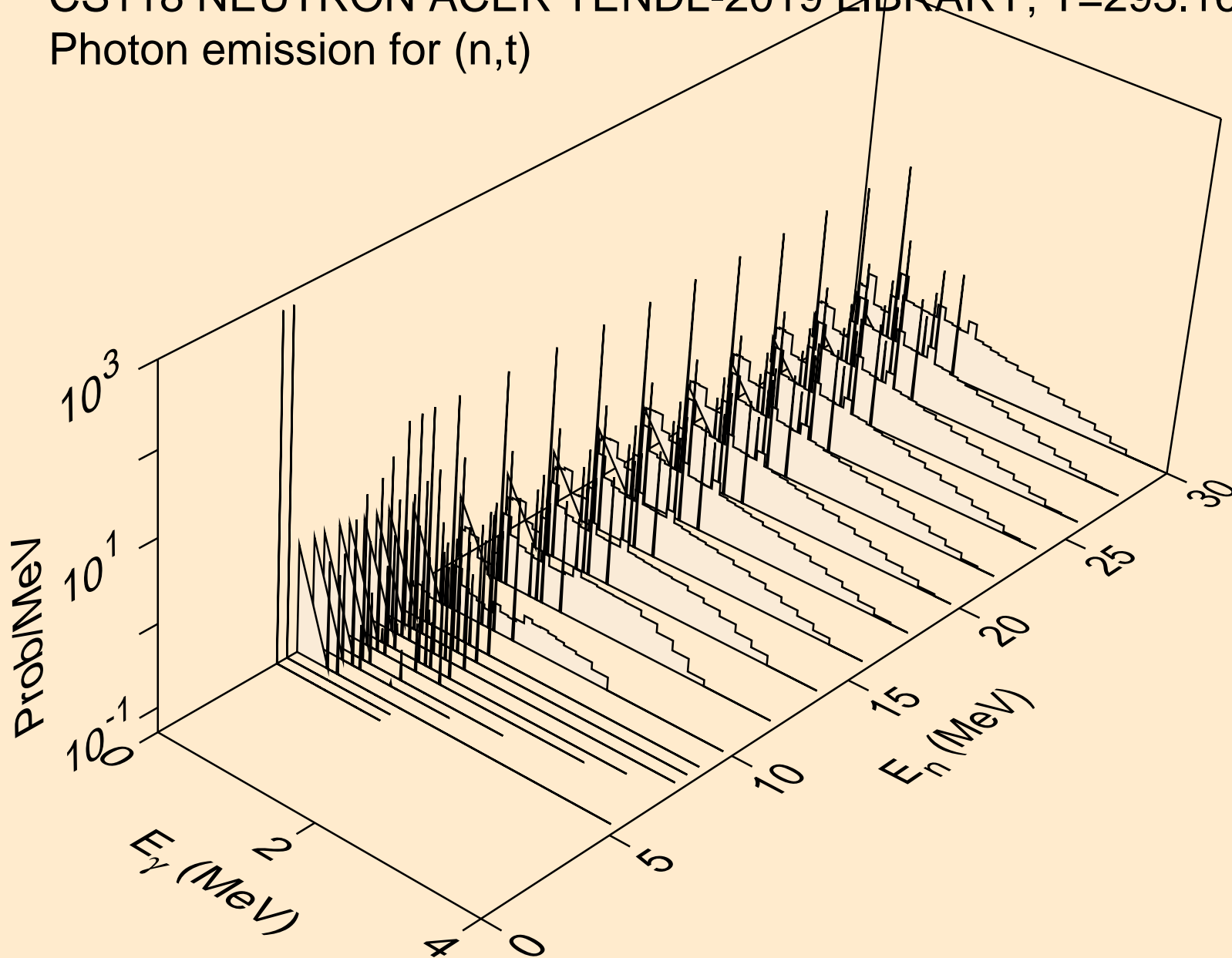
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Photon emission for (n,p)



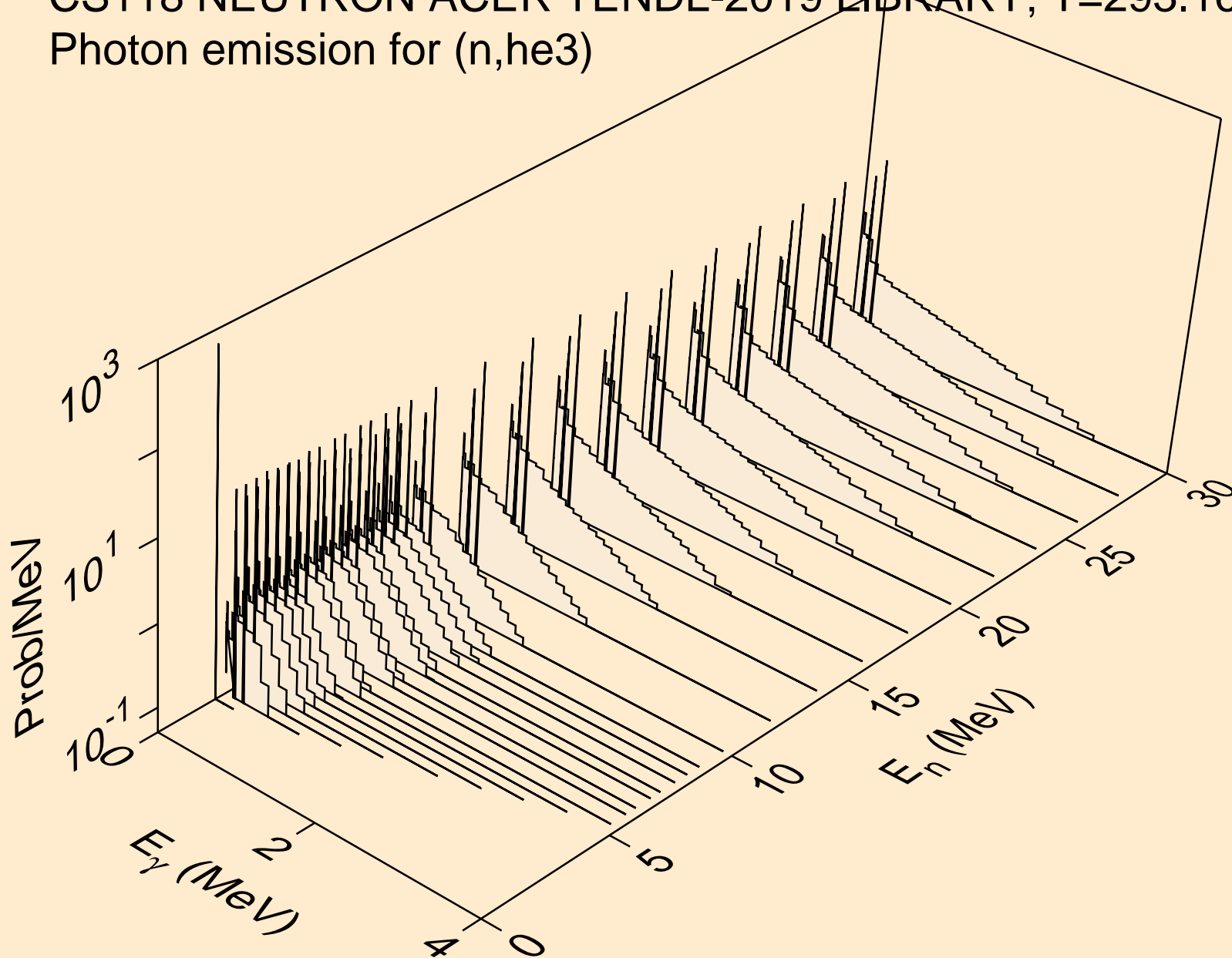
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Photon emission for (n,d)



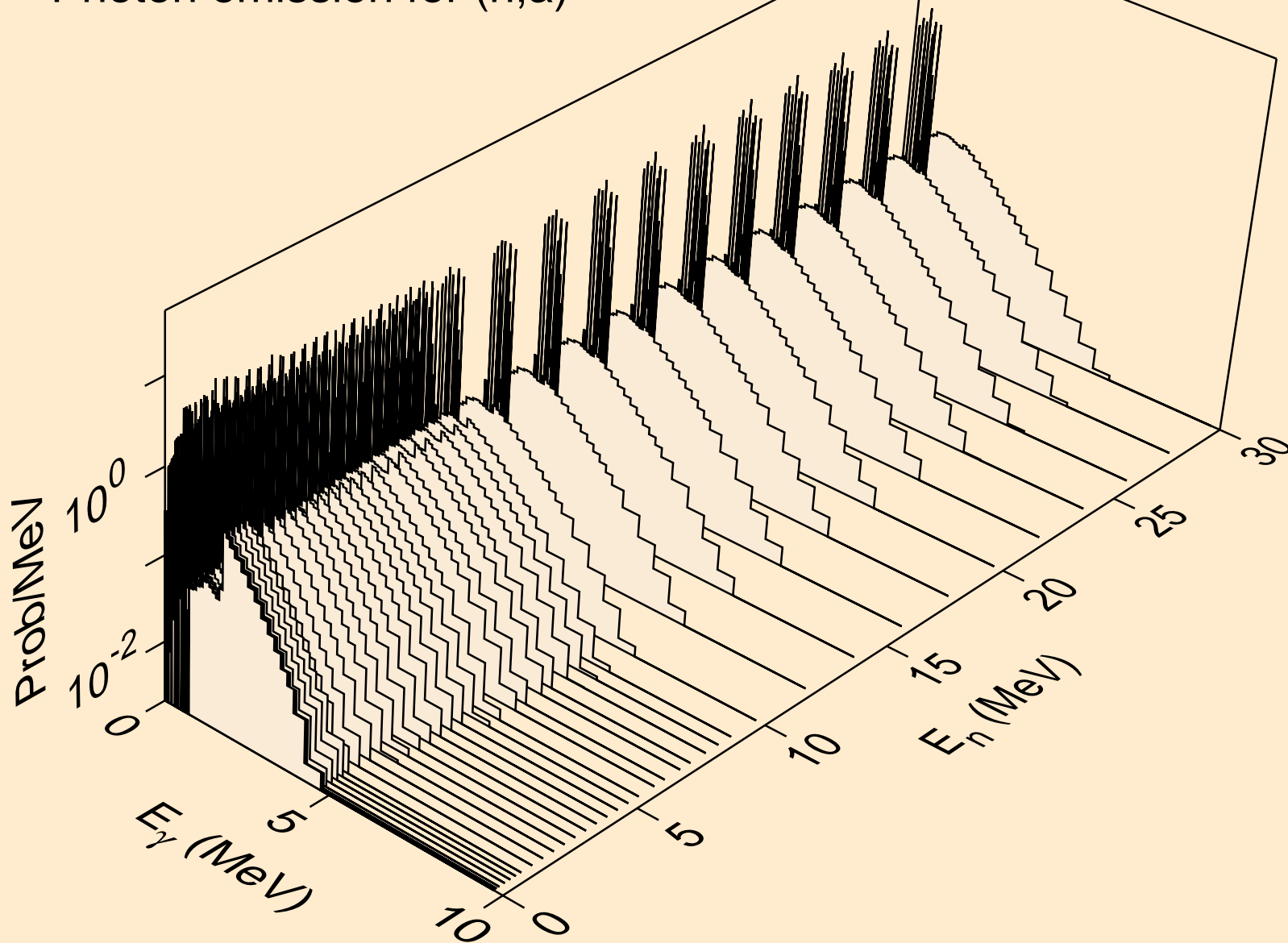
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

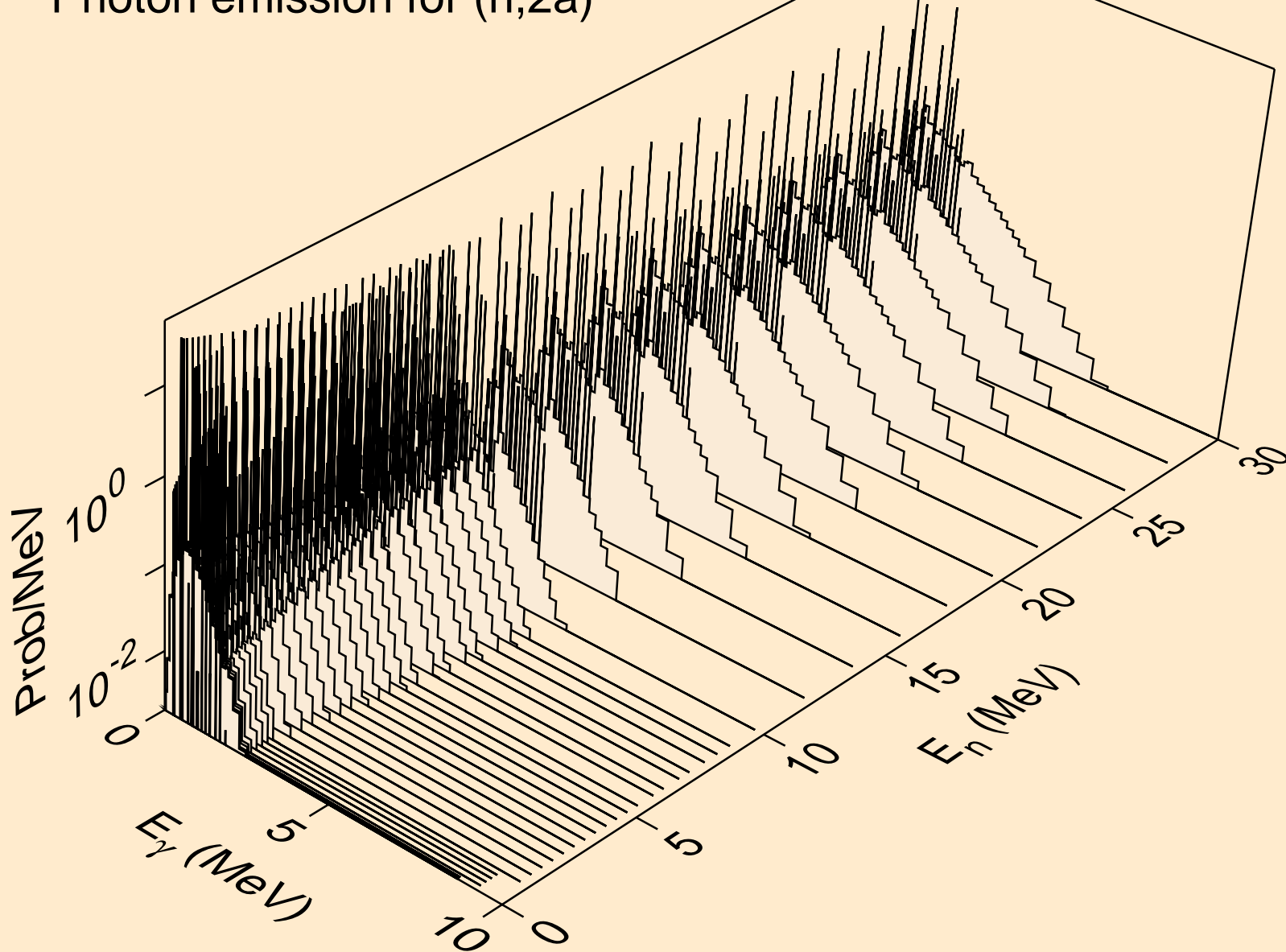


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

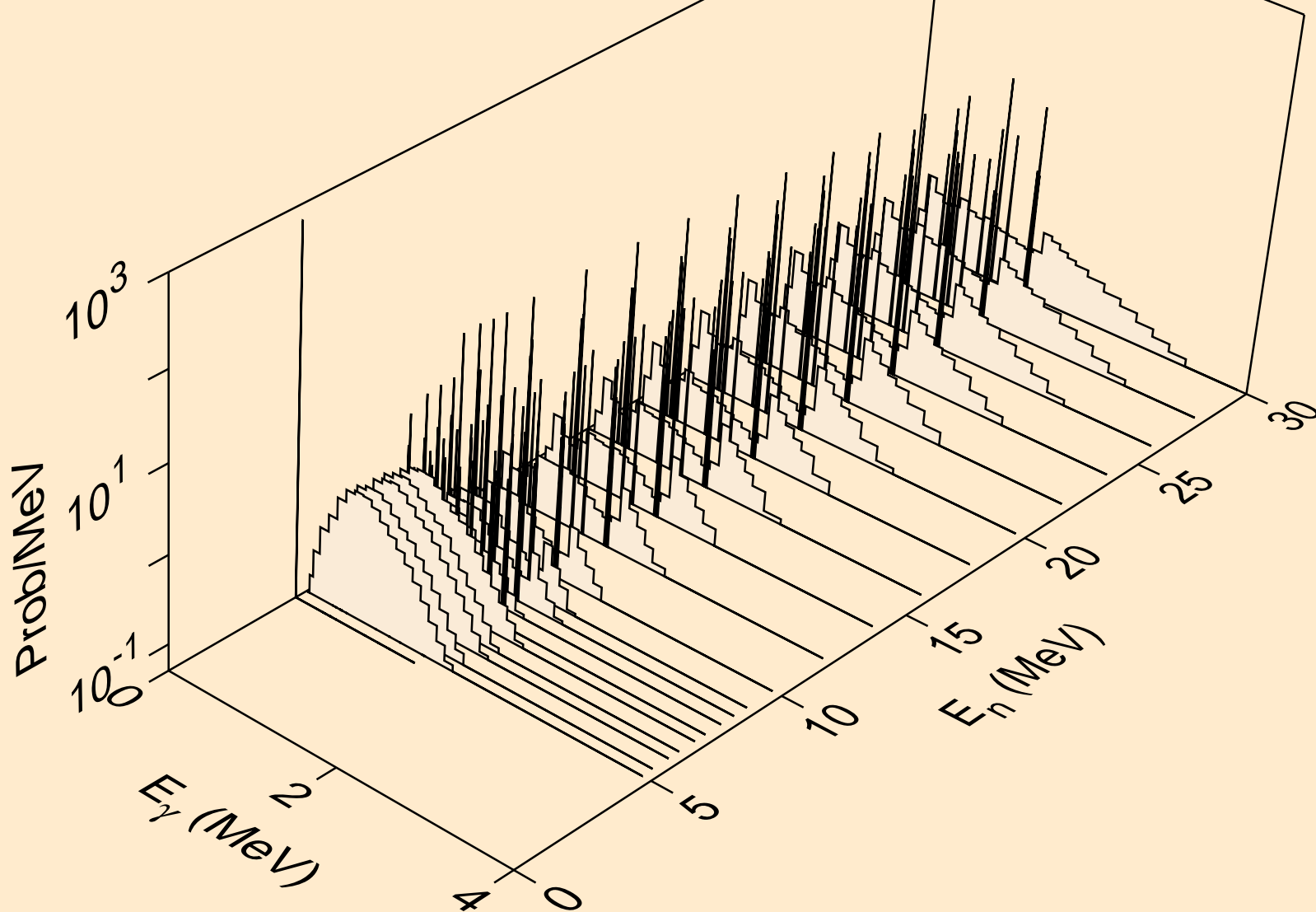




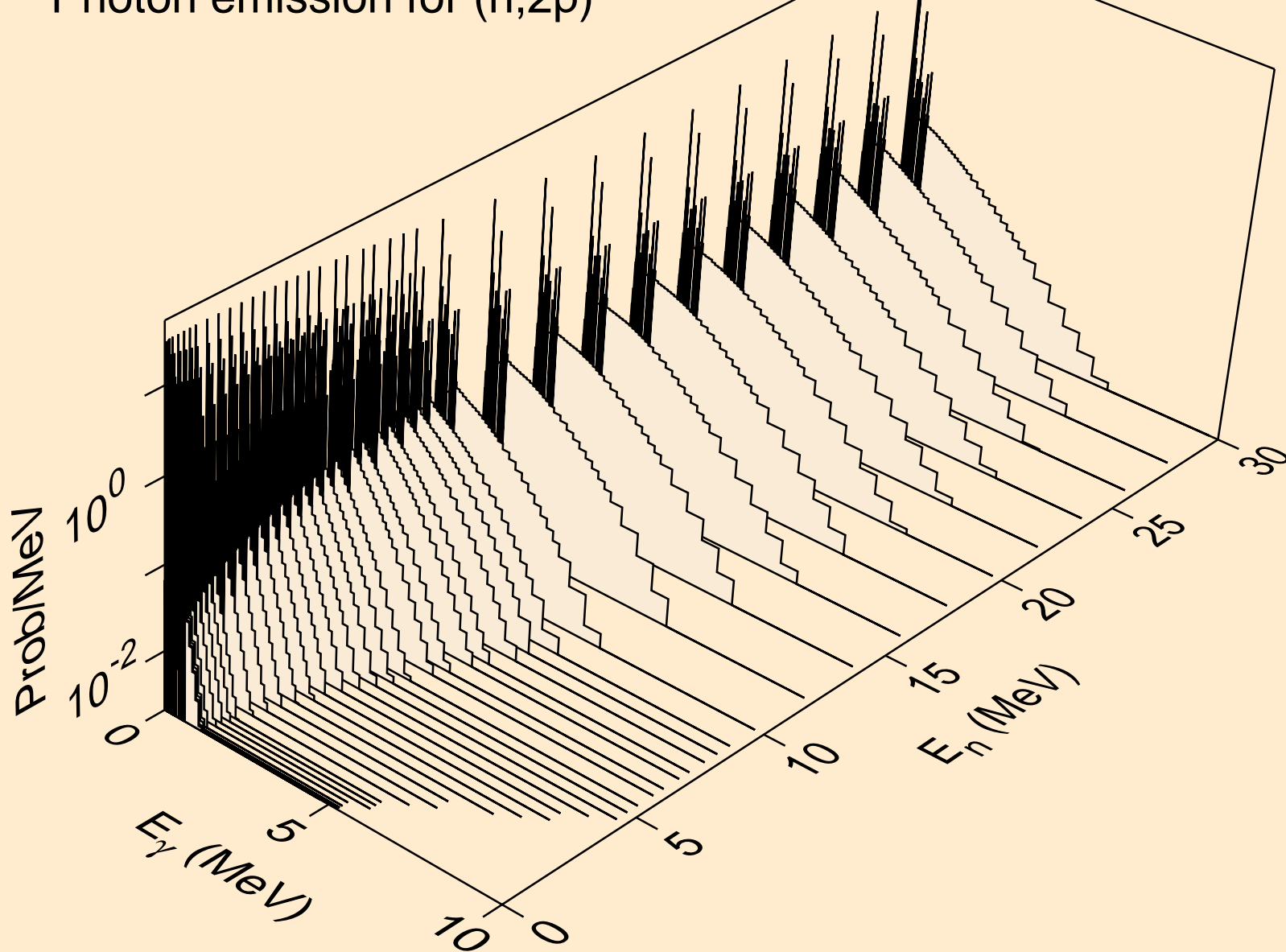
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



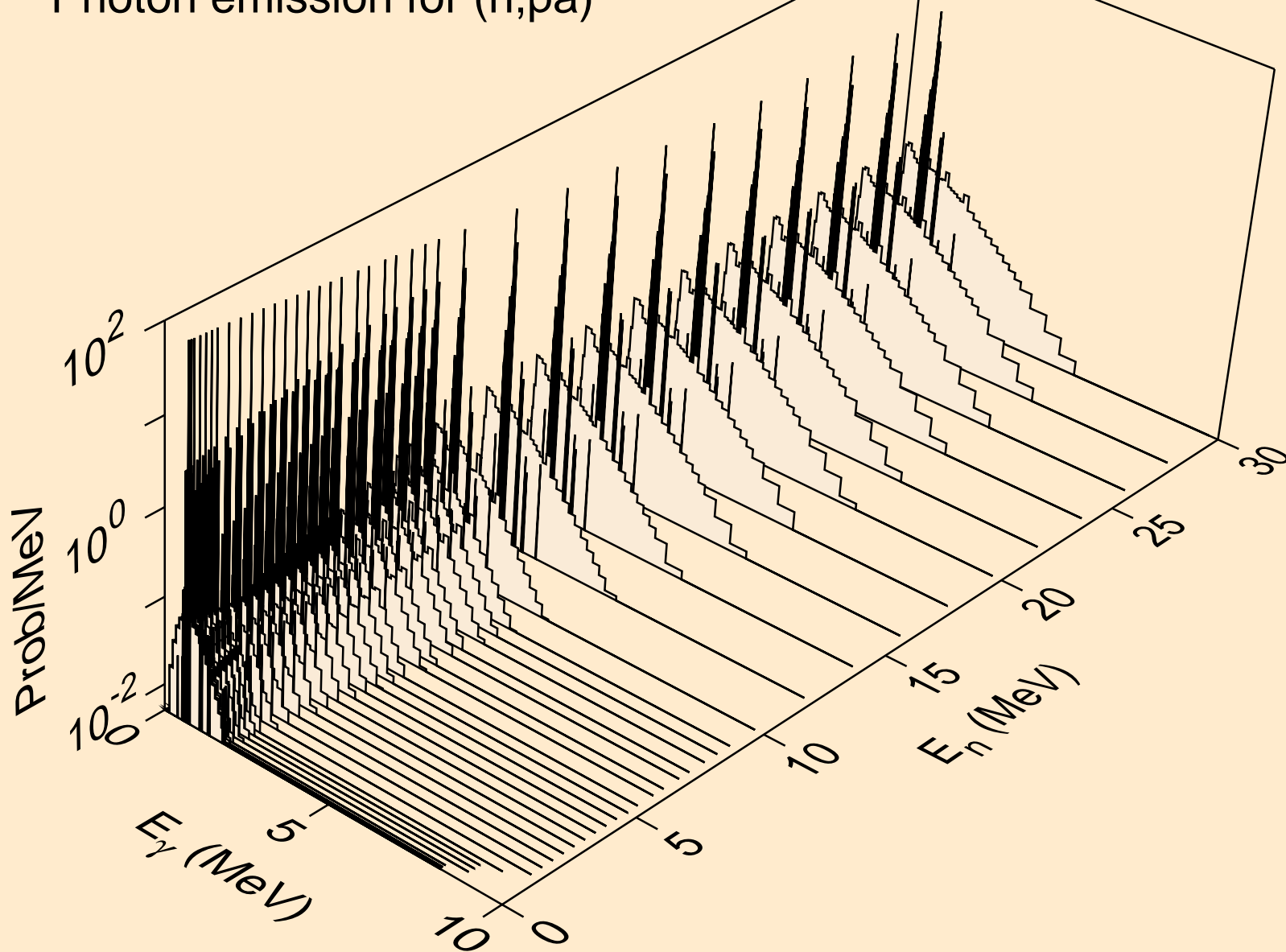
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Photon emission for (n,3a)



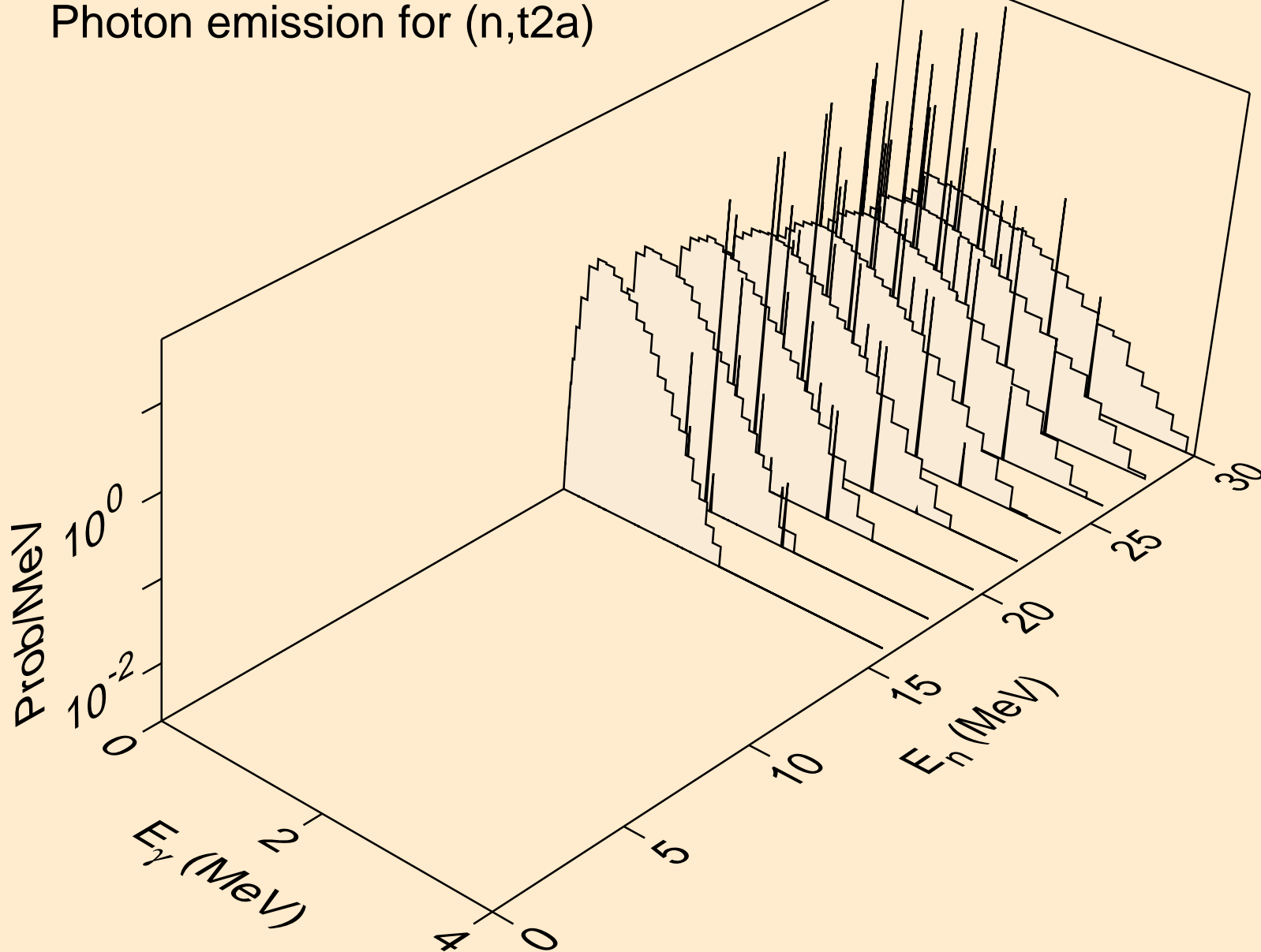
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Photon emission for (n,2p)



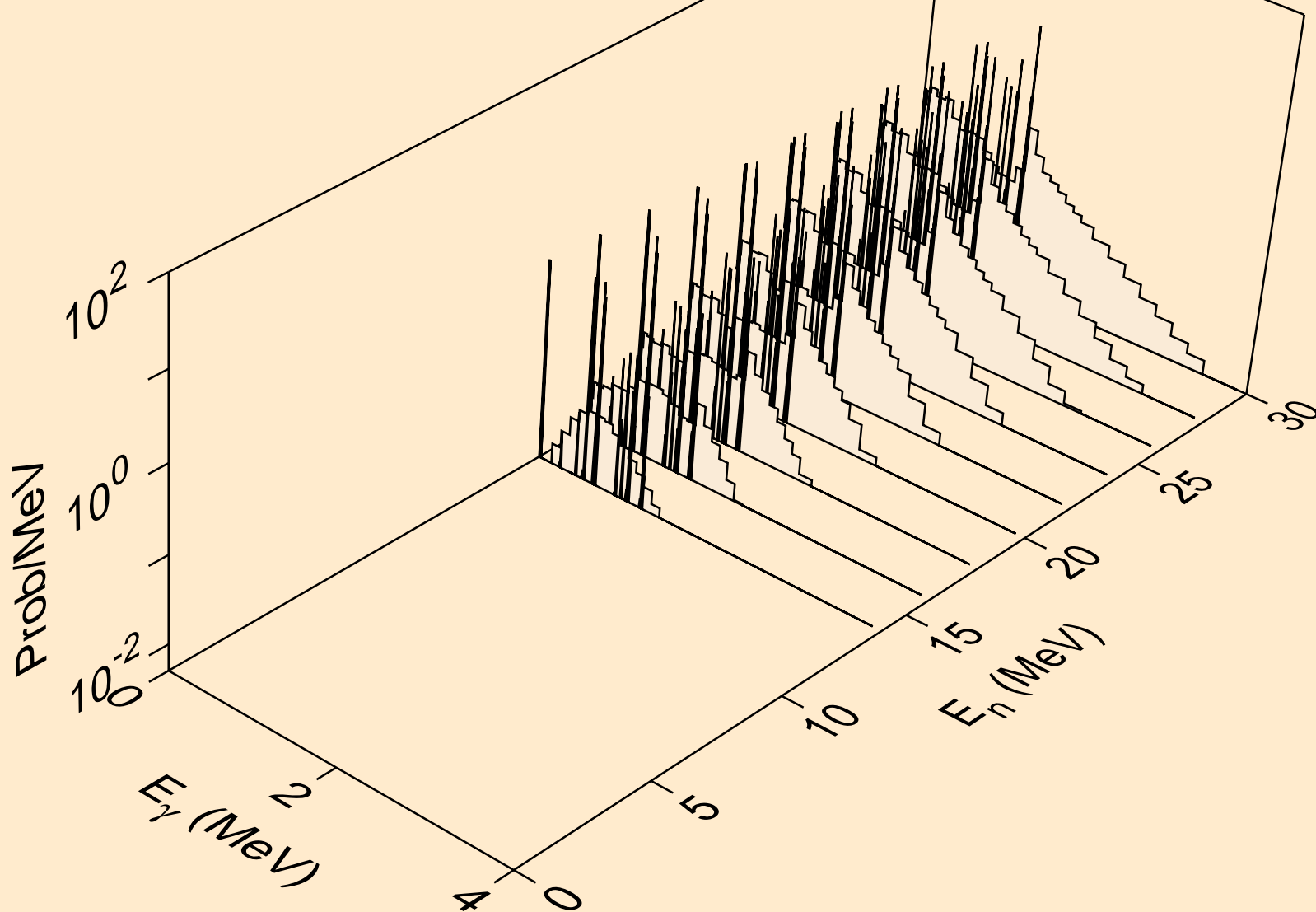
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Photon emission for (n,p $\alpha$ )



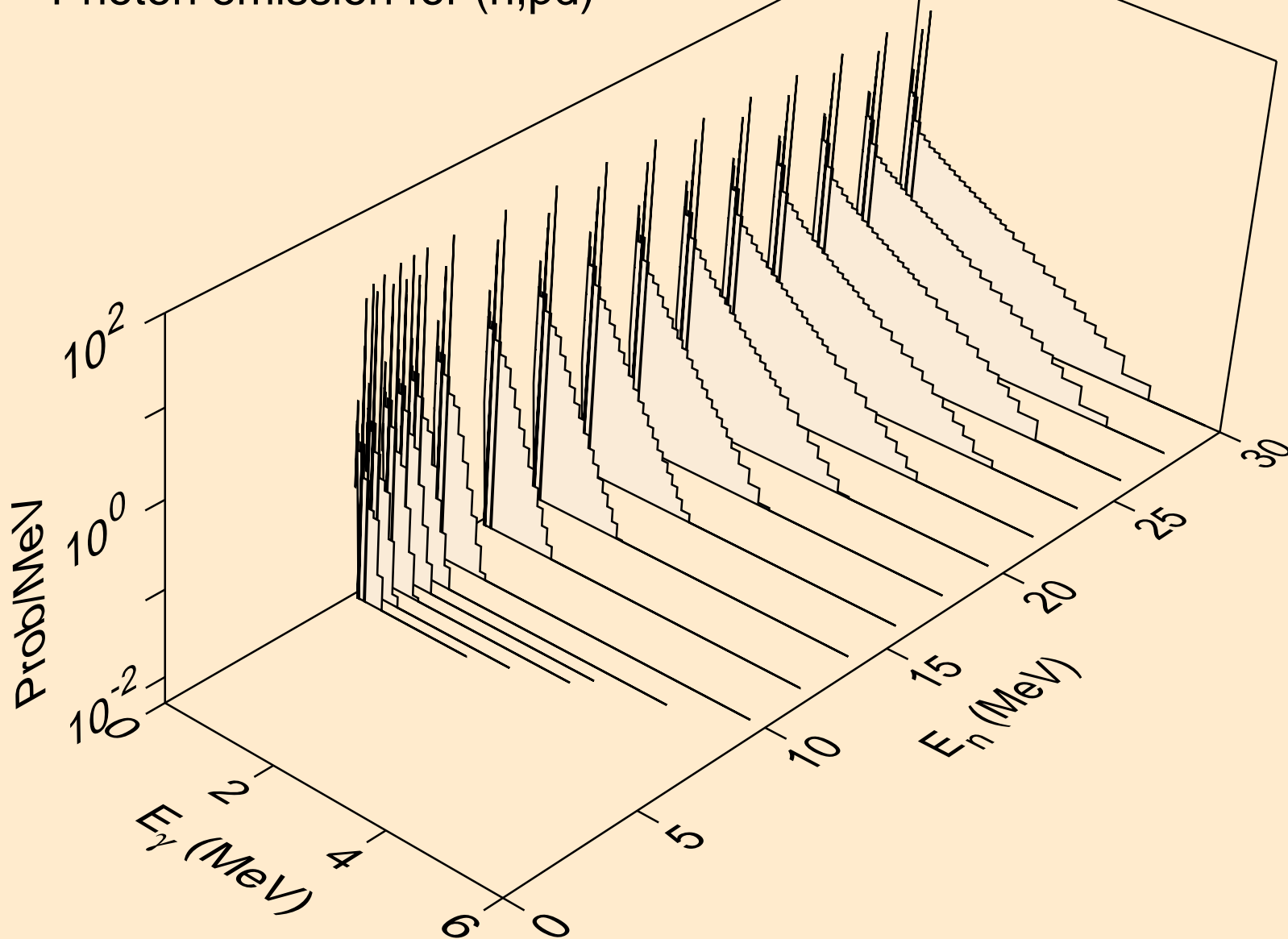
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t2a)



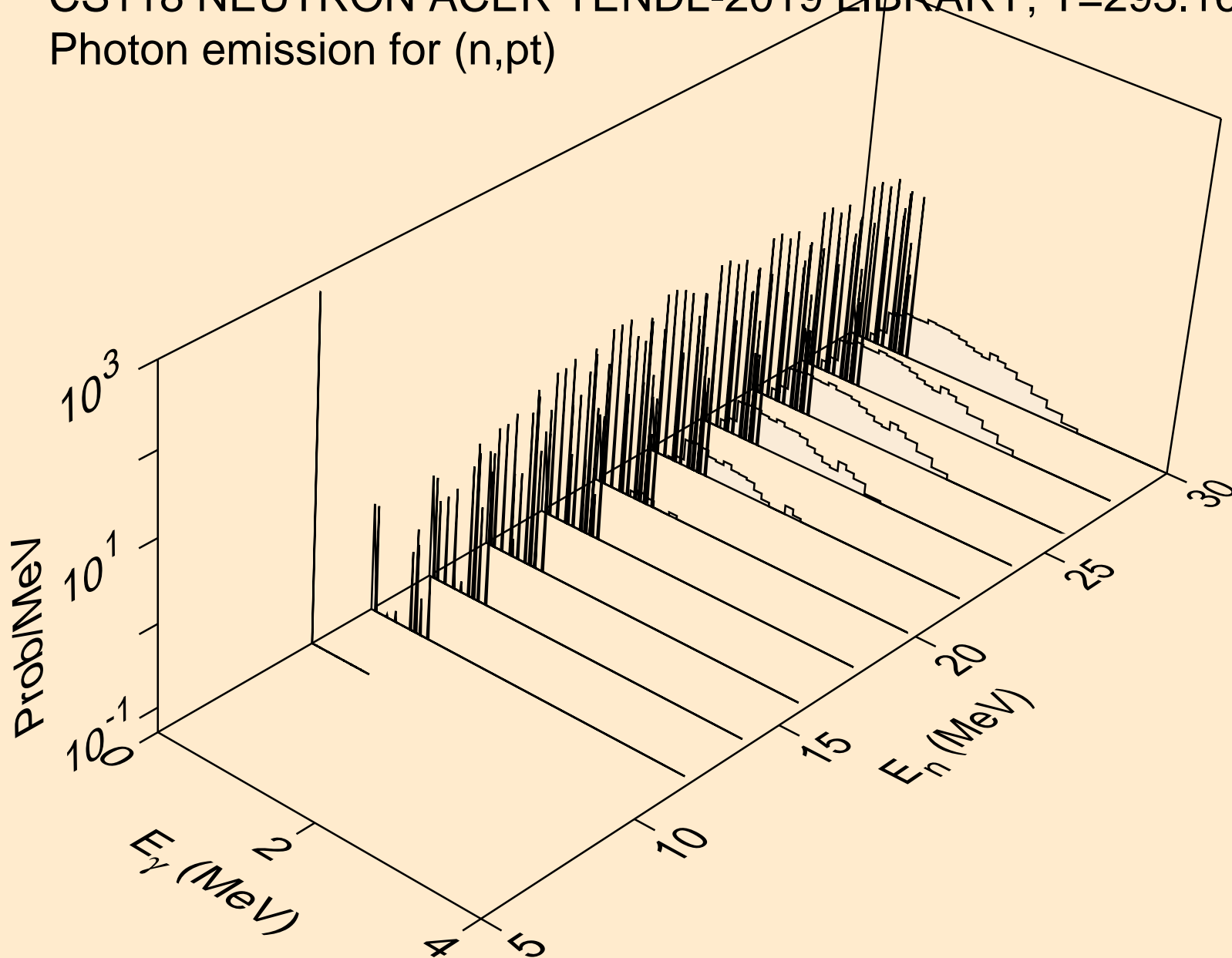
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d2a)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

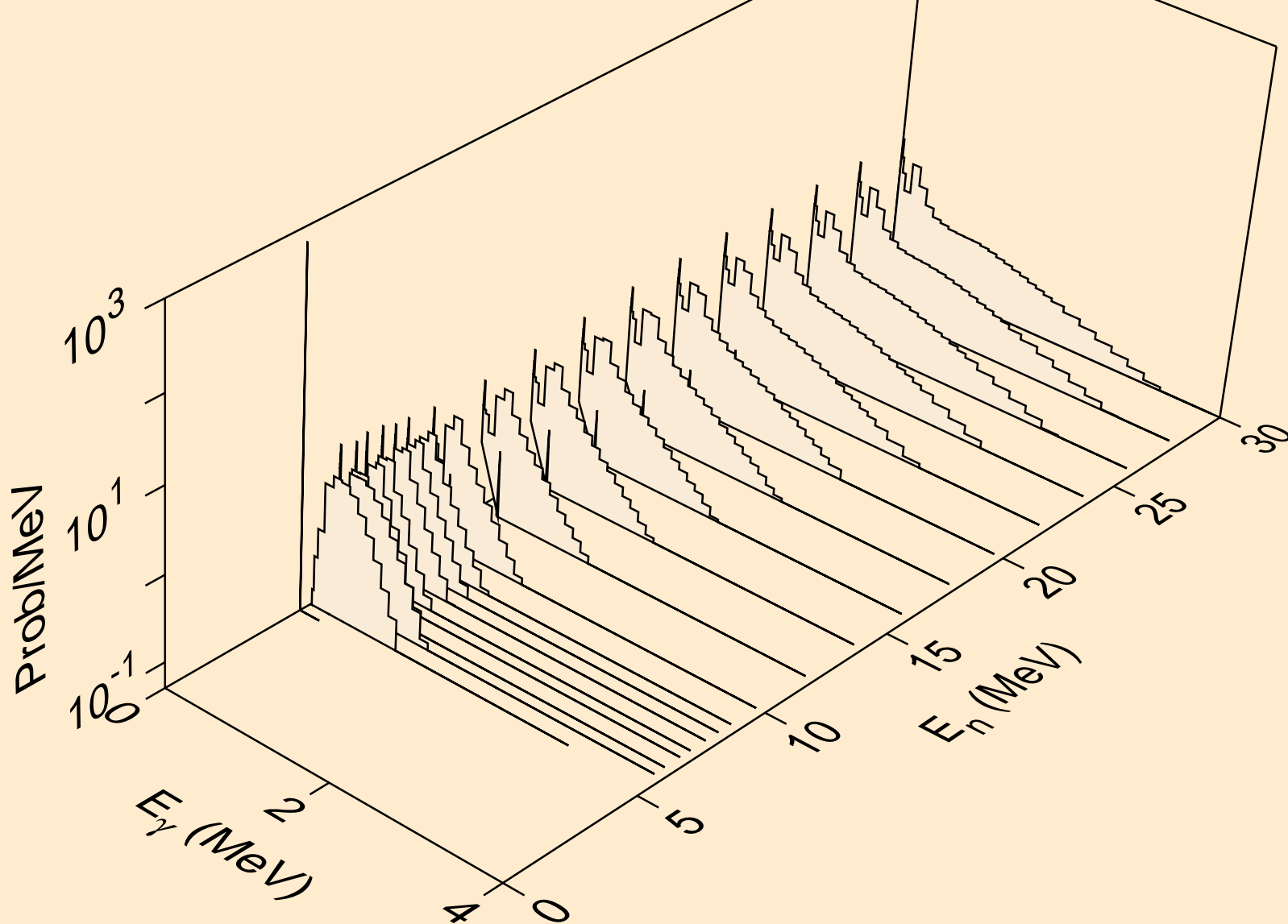


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

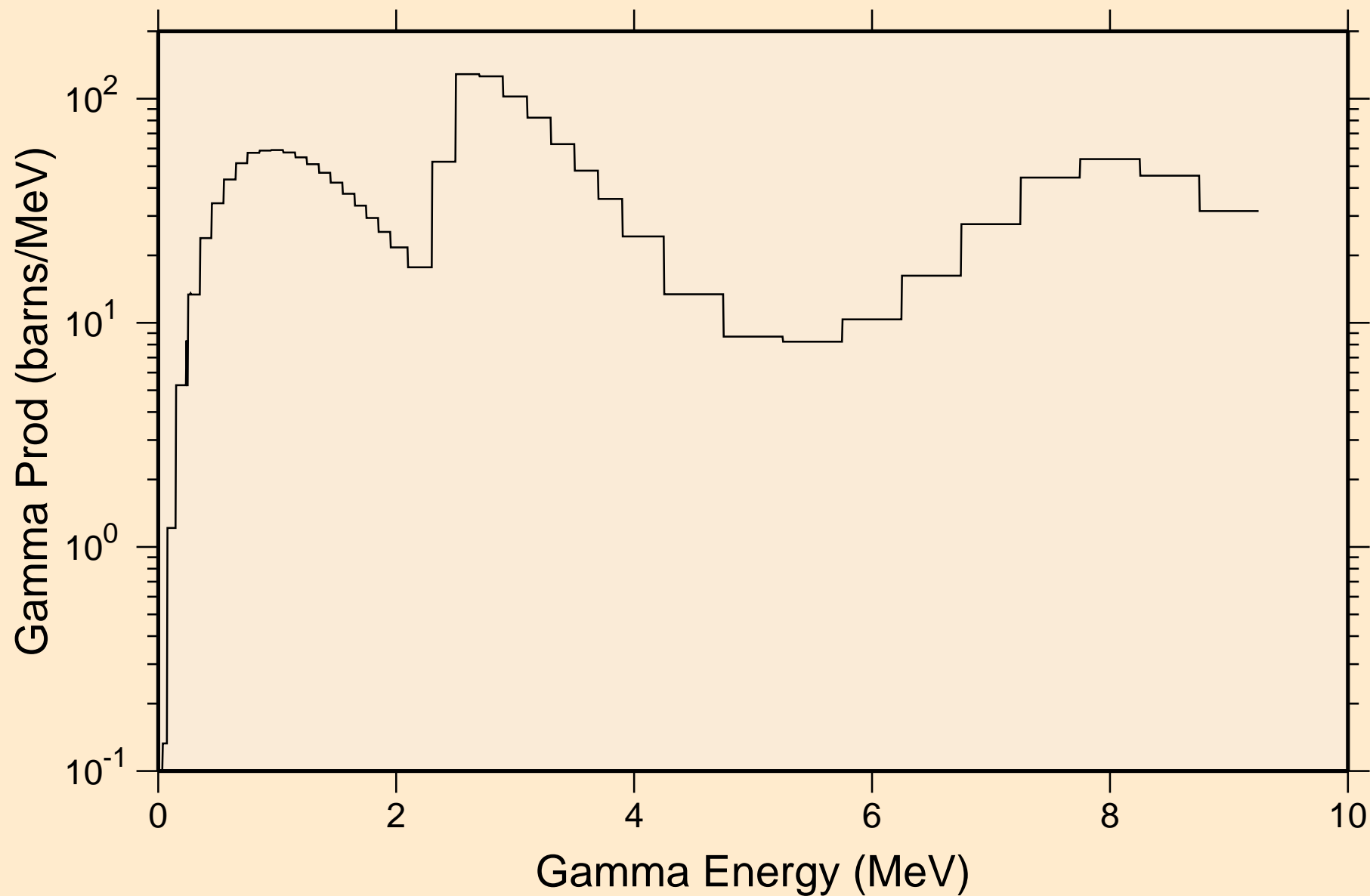




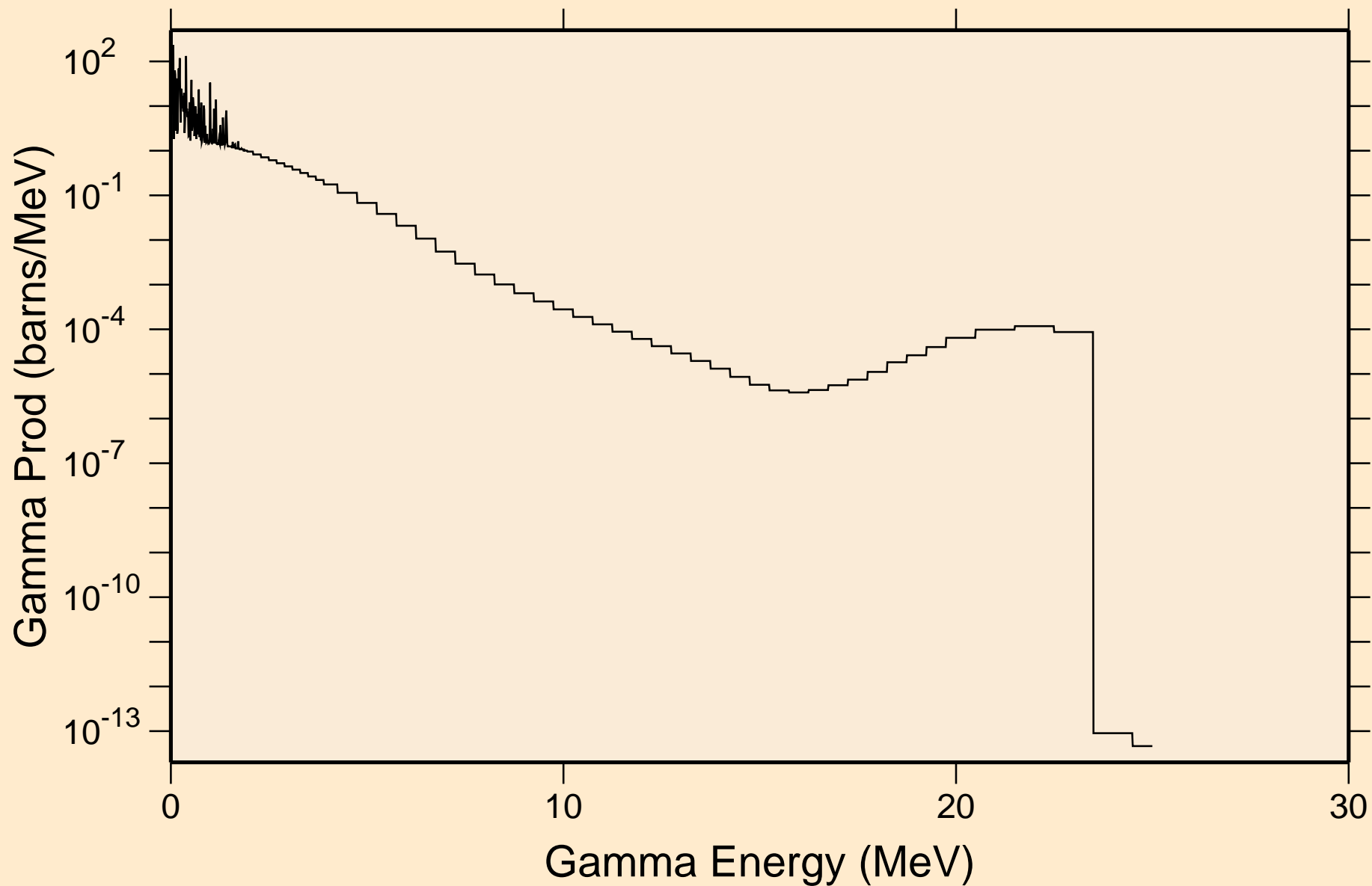
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

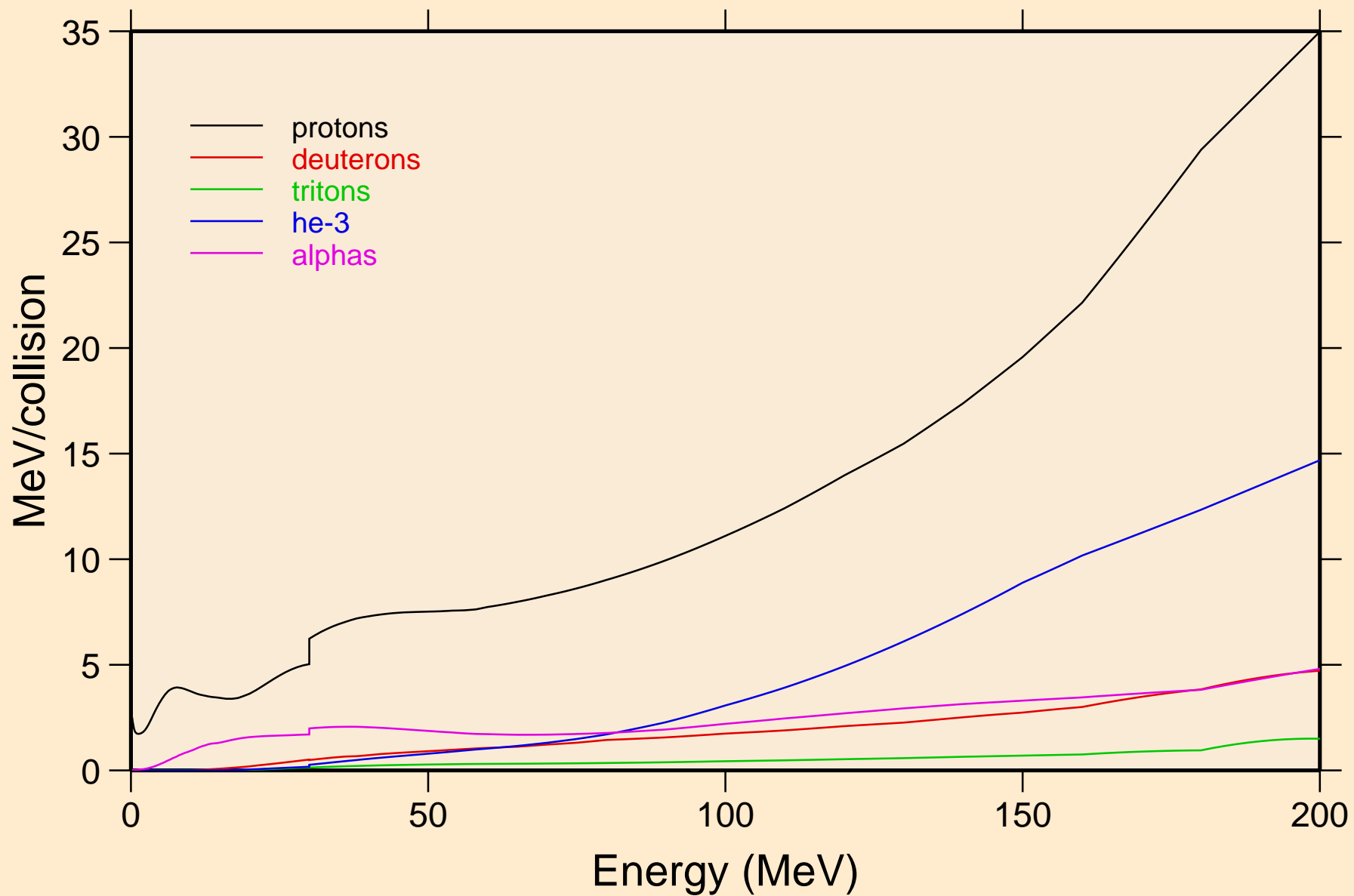


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

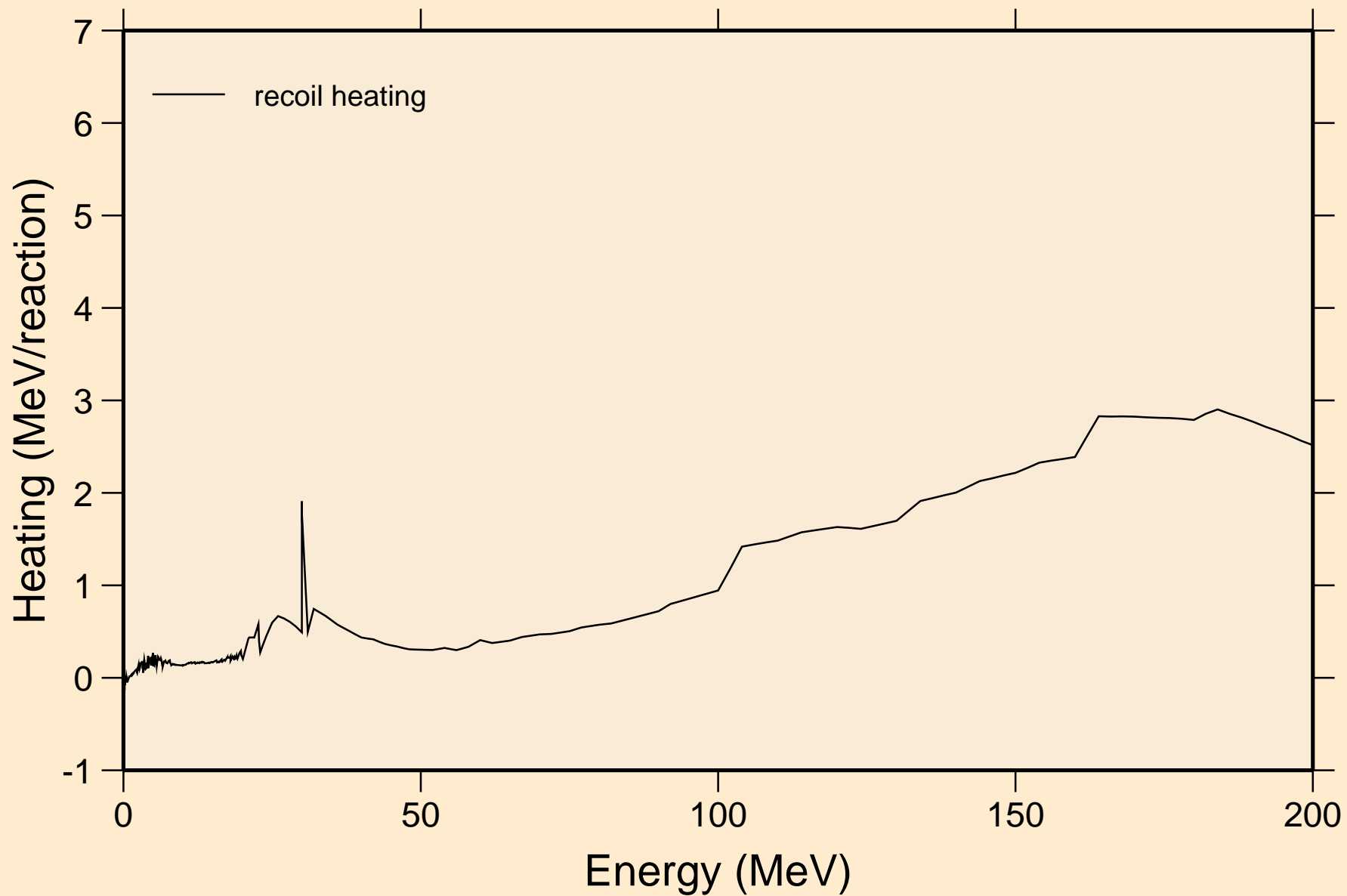


# CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

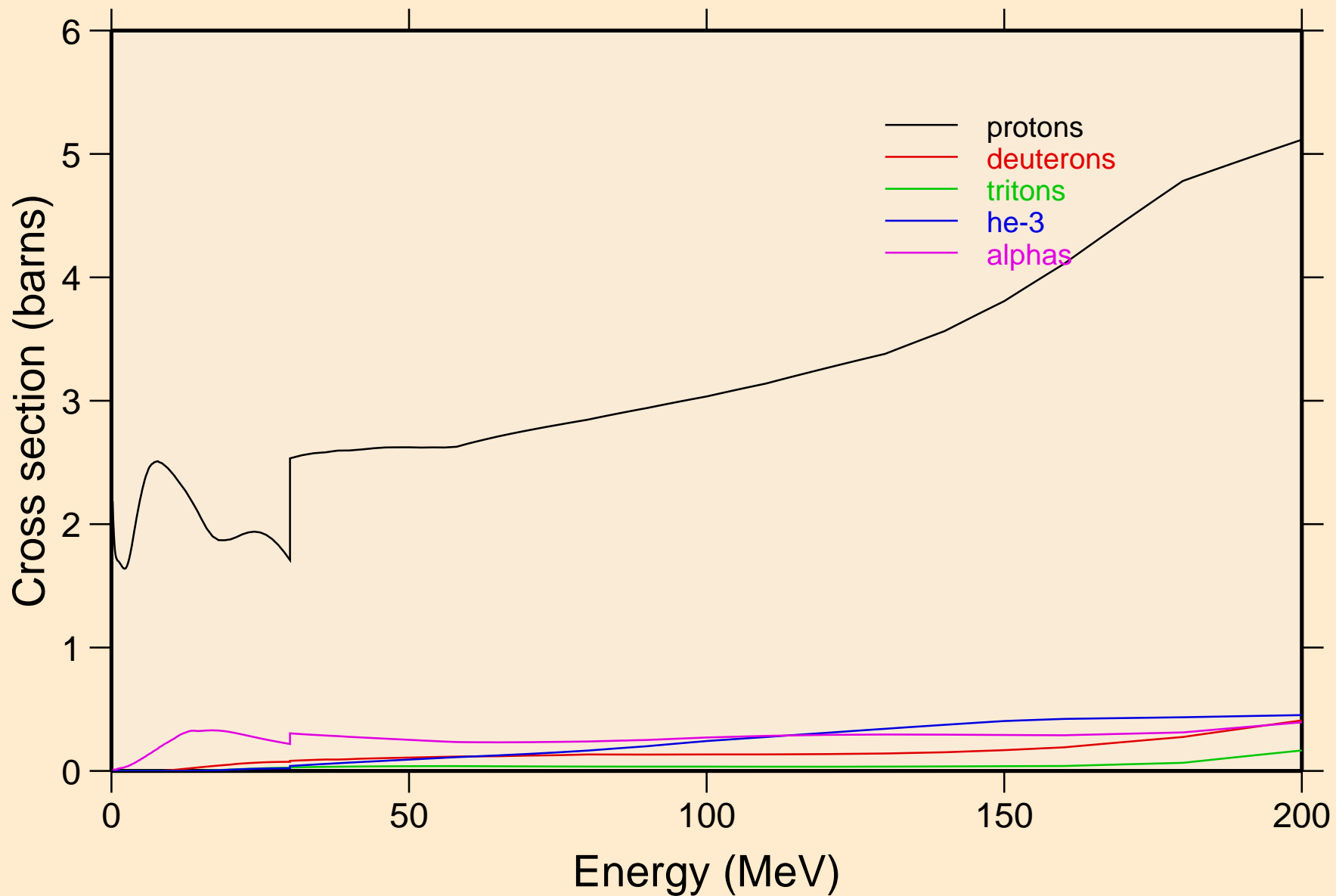


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

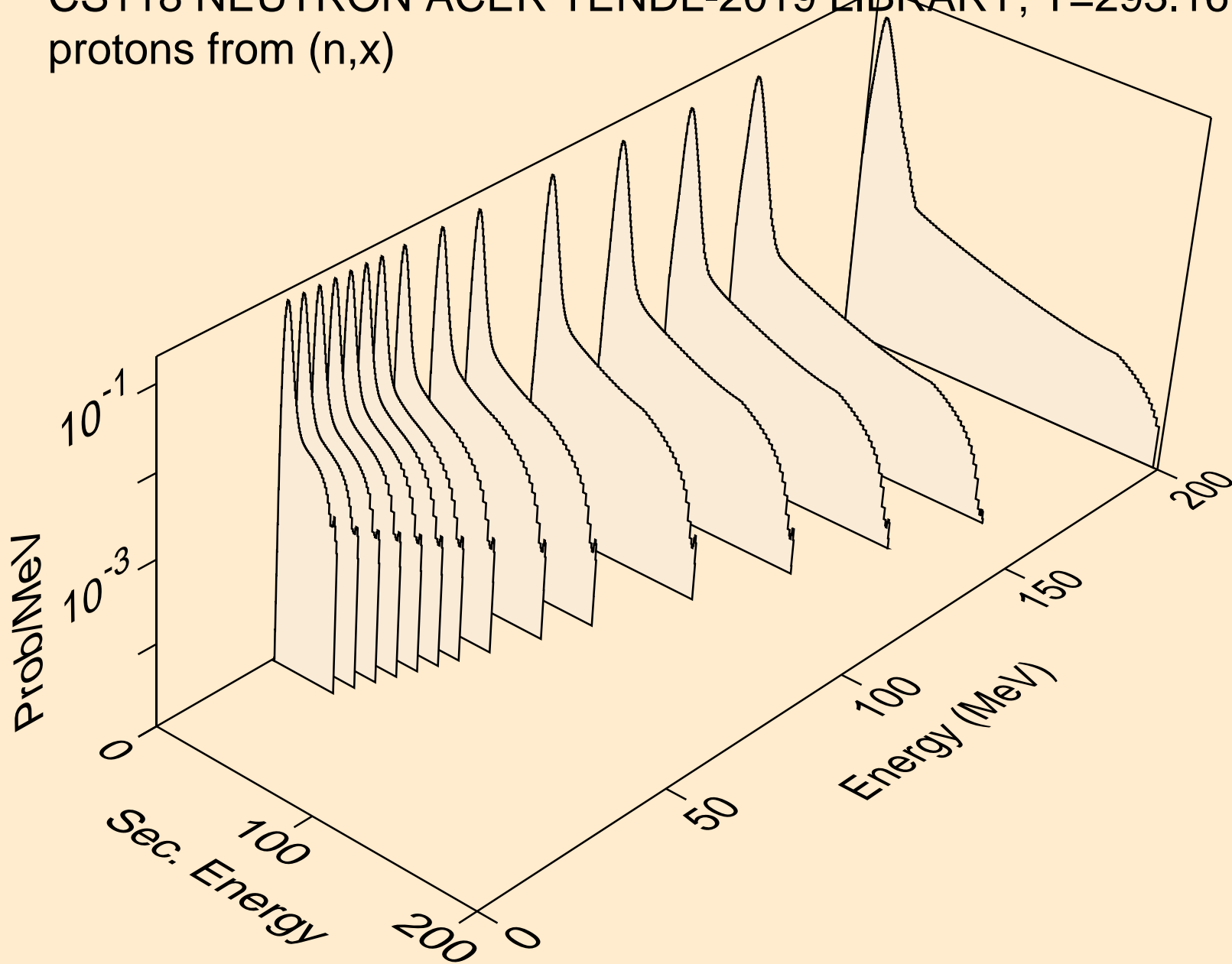


# CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

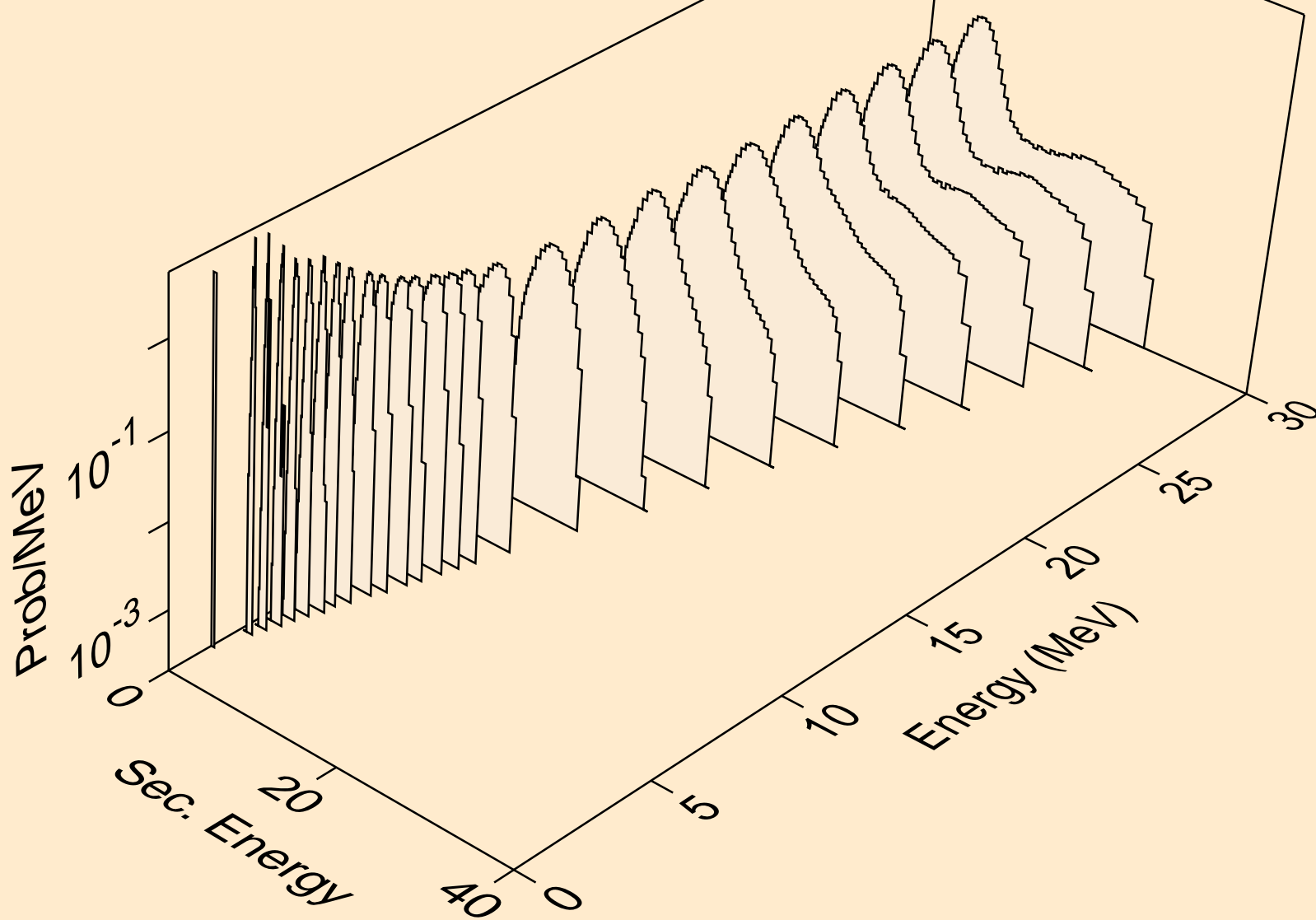
## Particle production cross sections



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

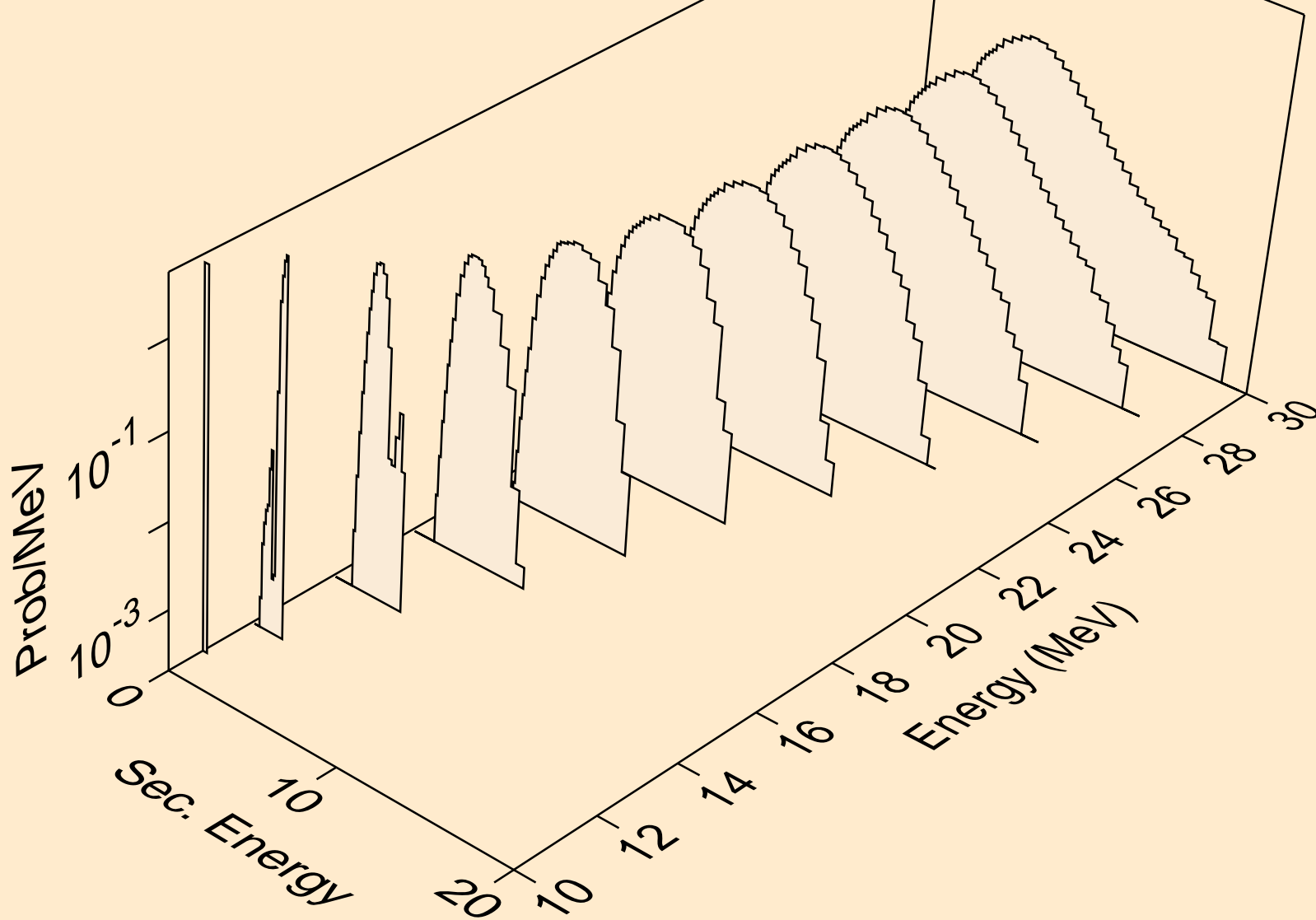


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

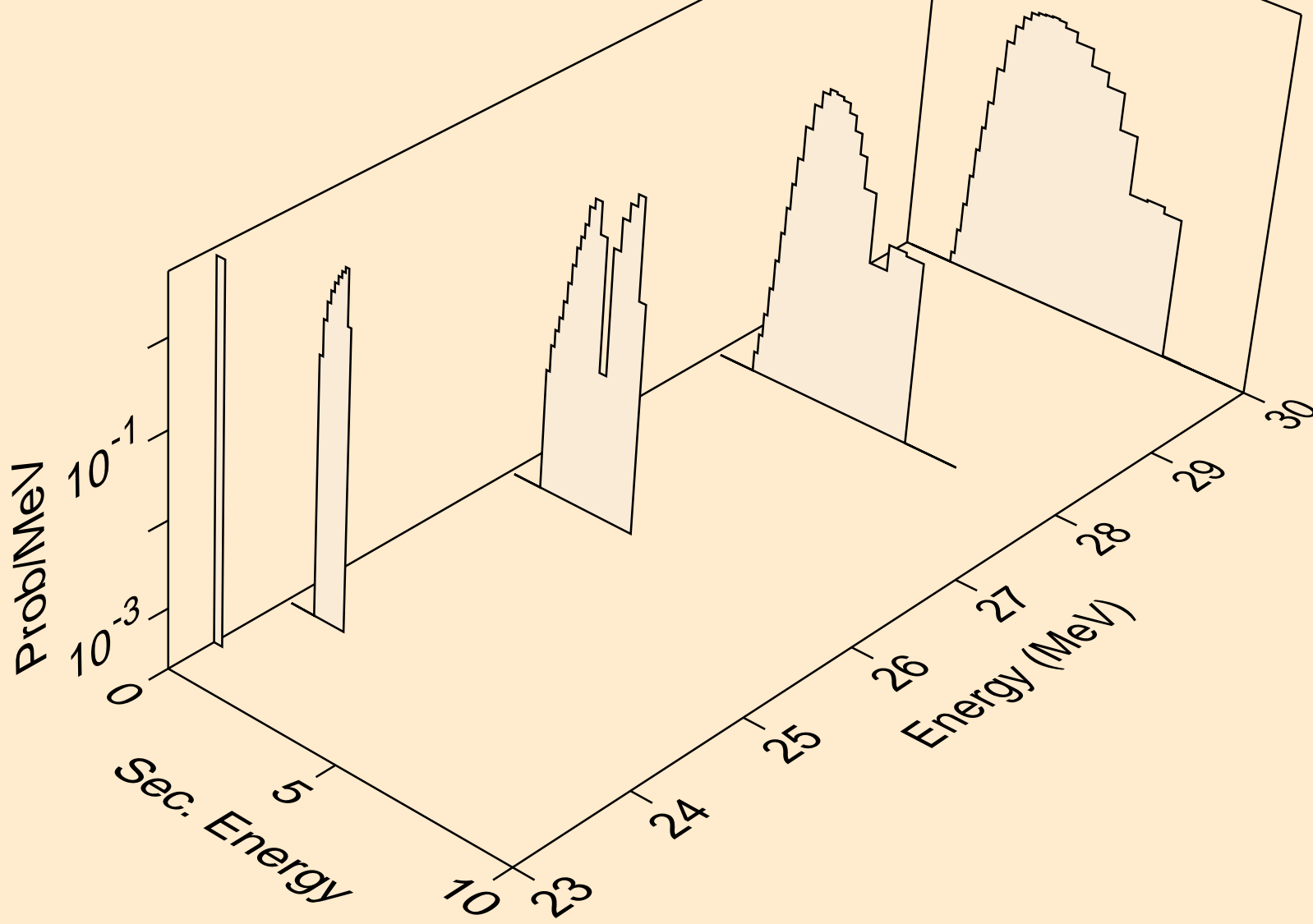




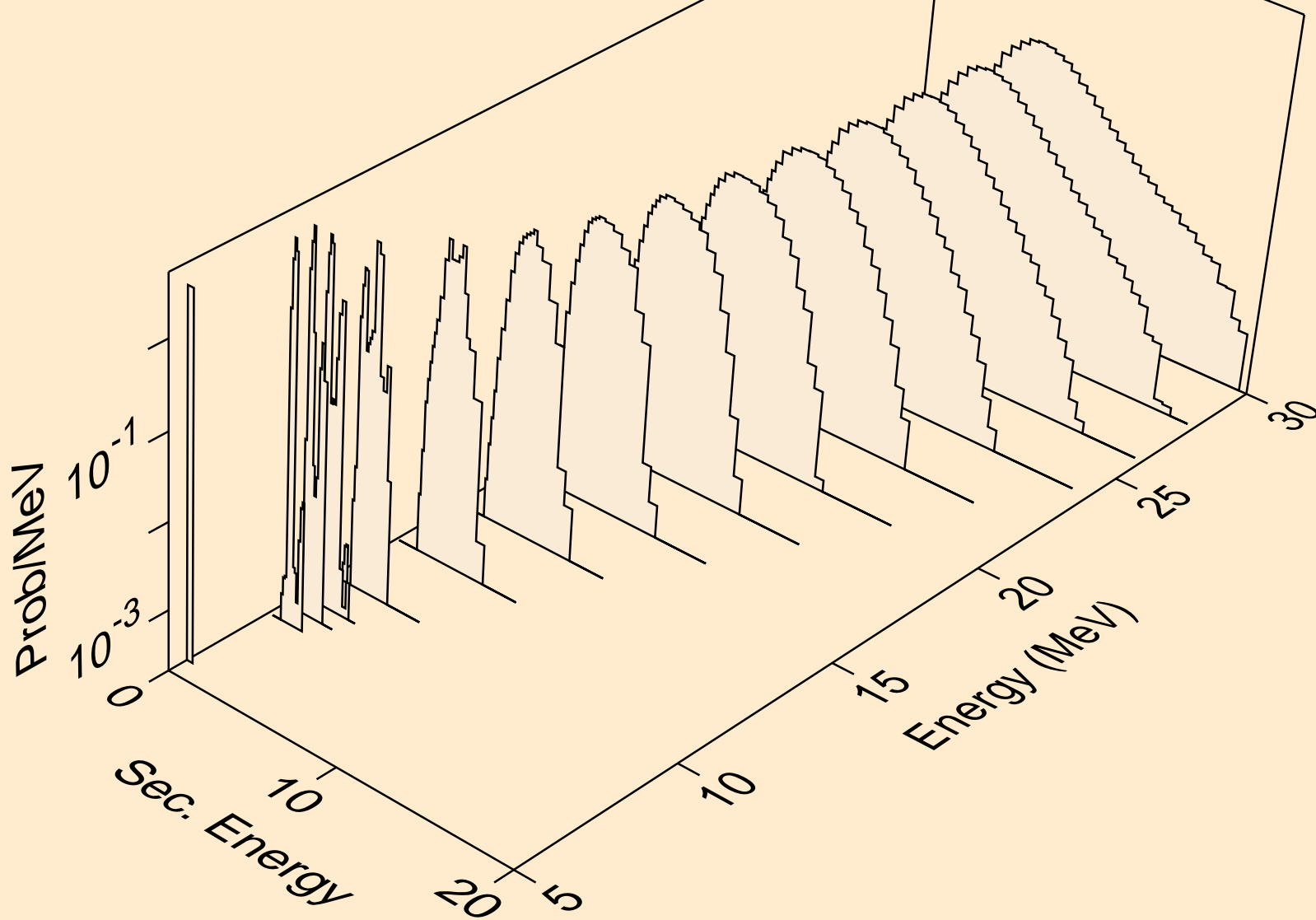
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



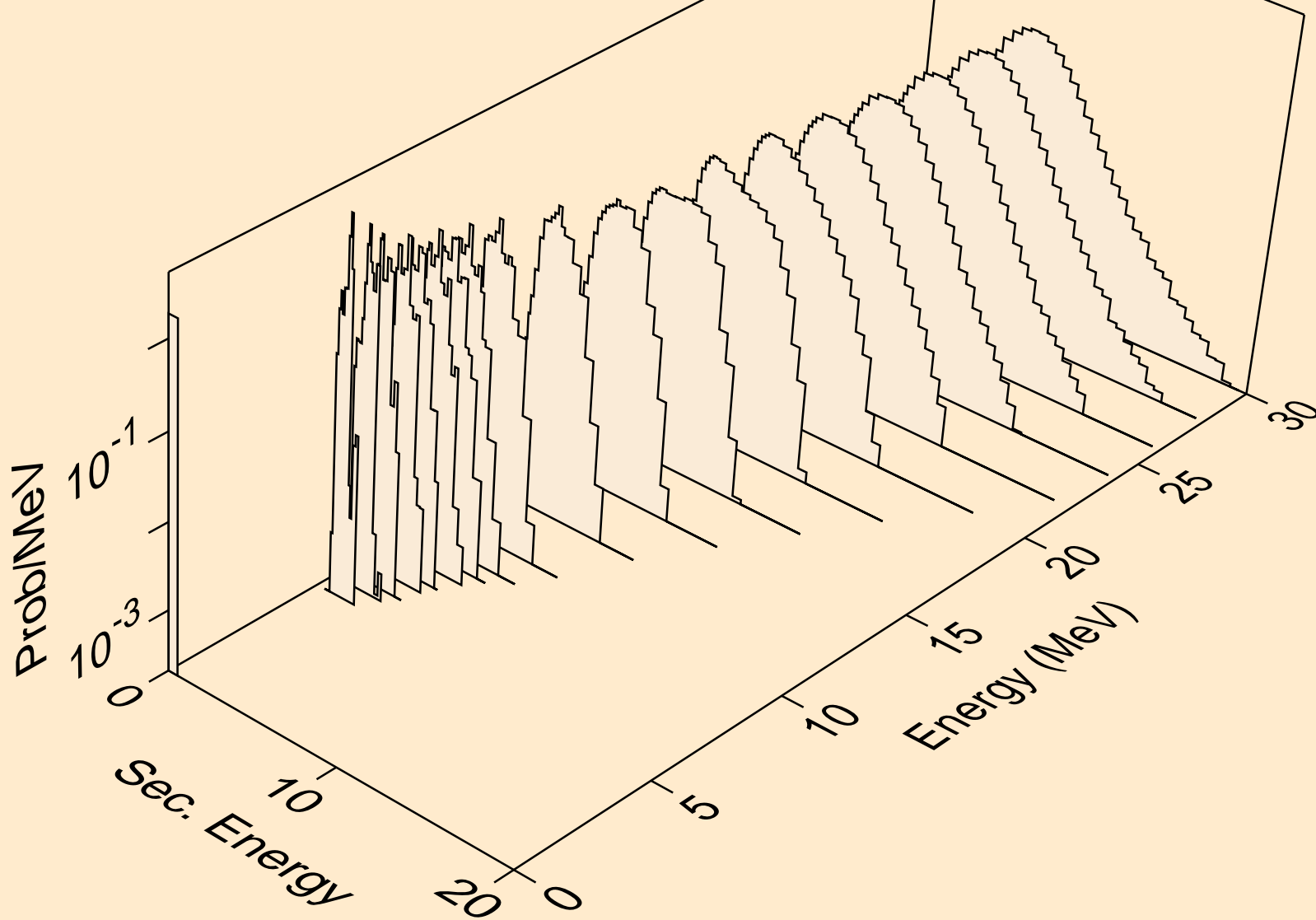
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



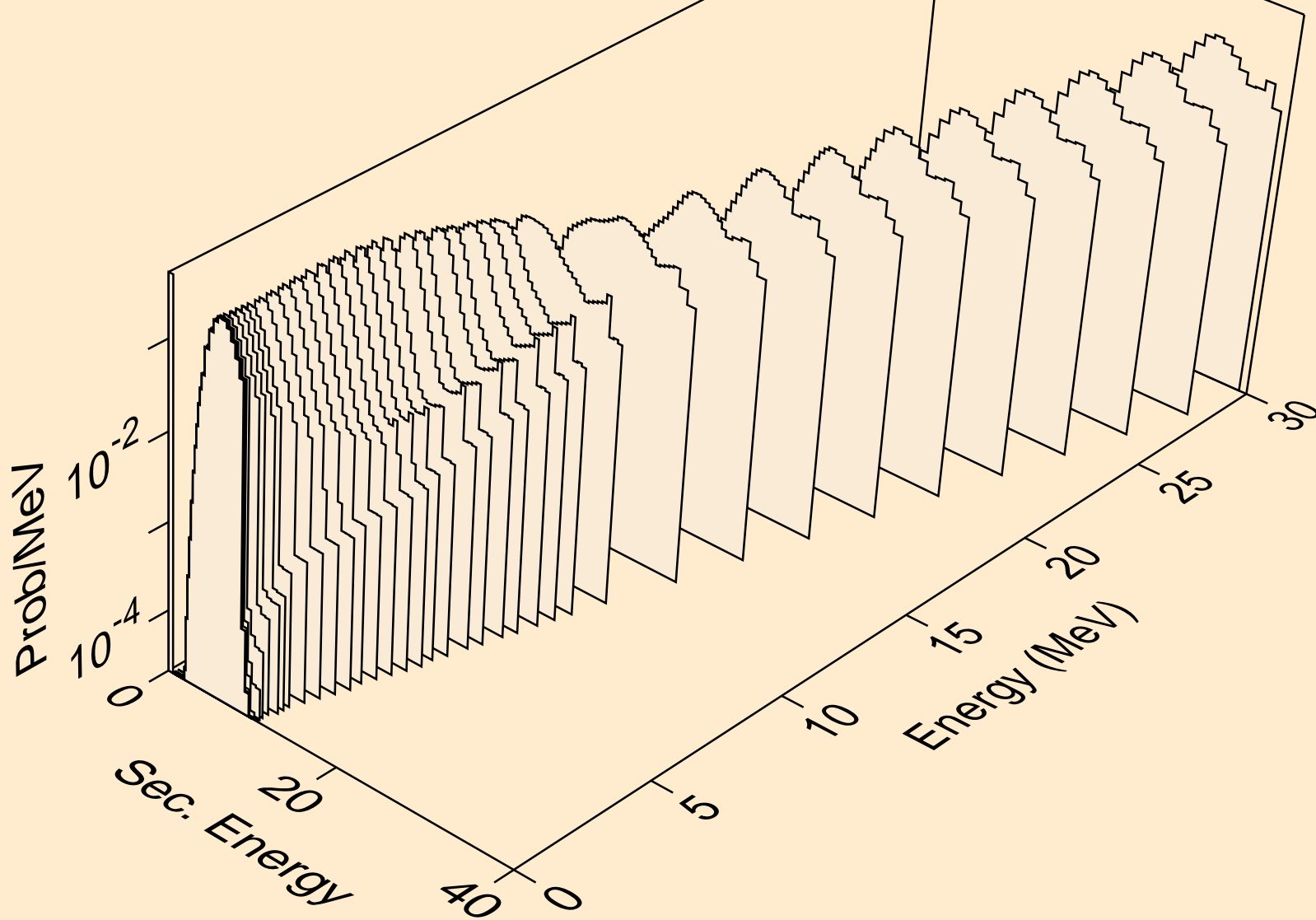
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protons from (n,2np)



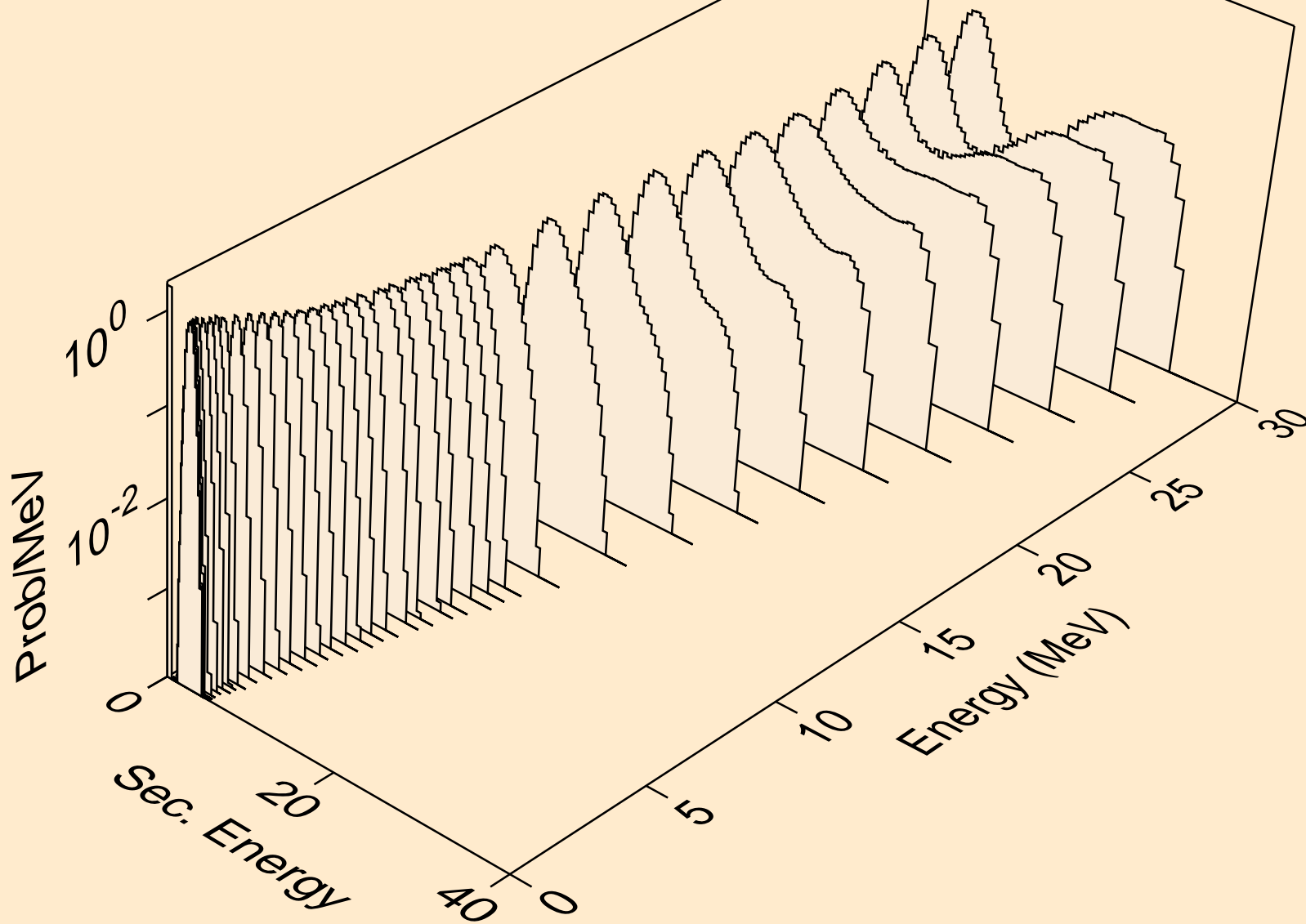
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protons from (n,npa)



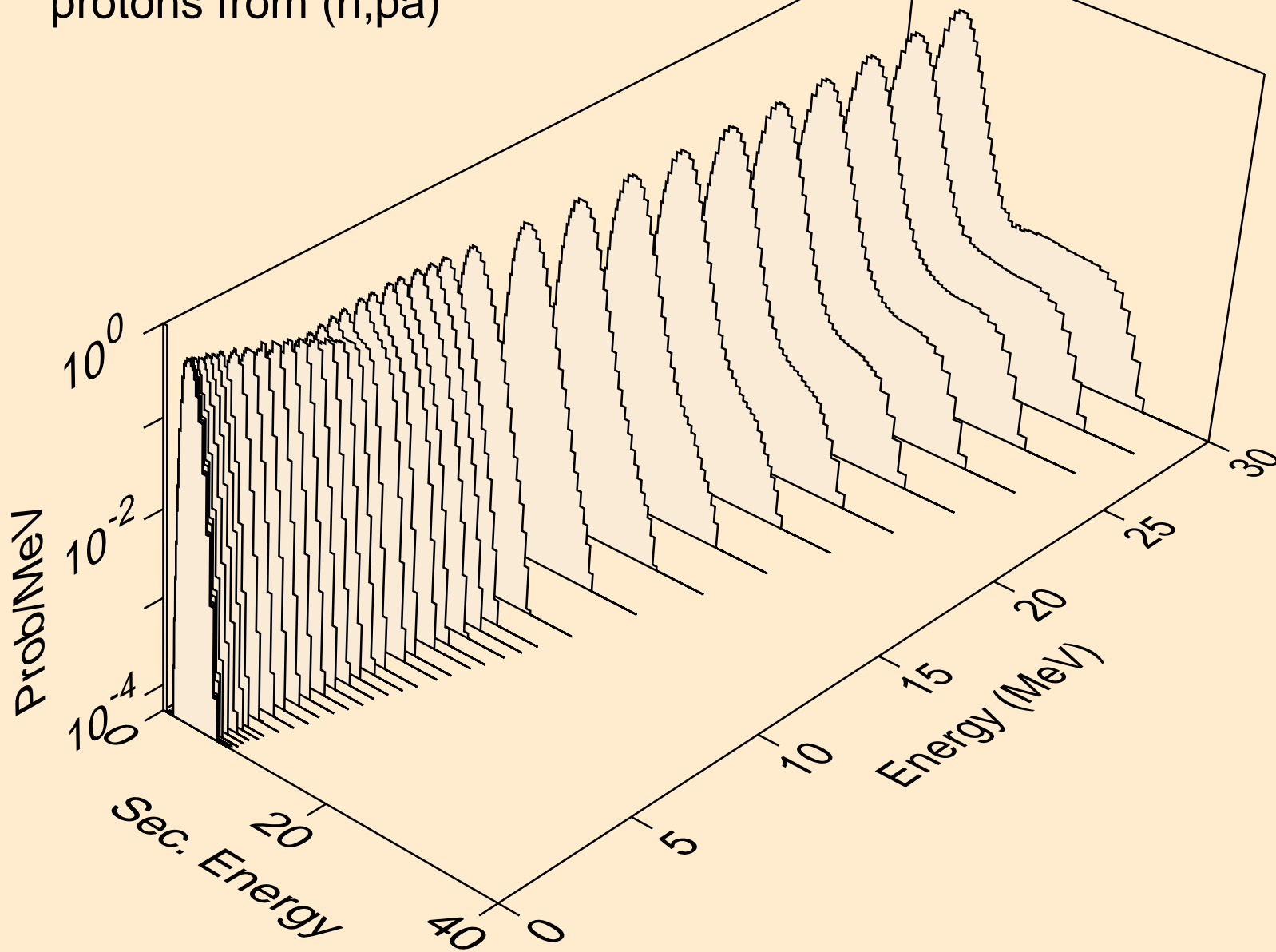
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protons from (n,p)



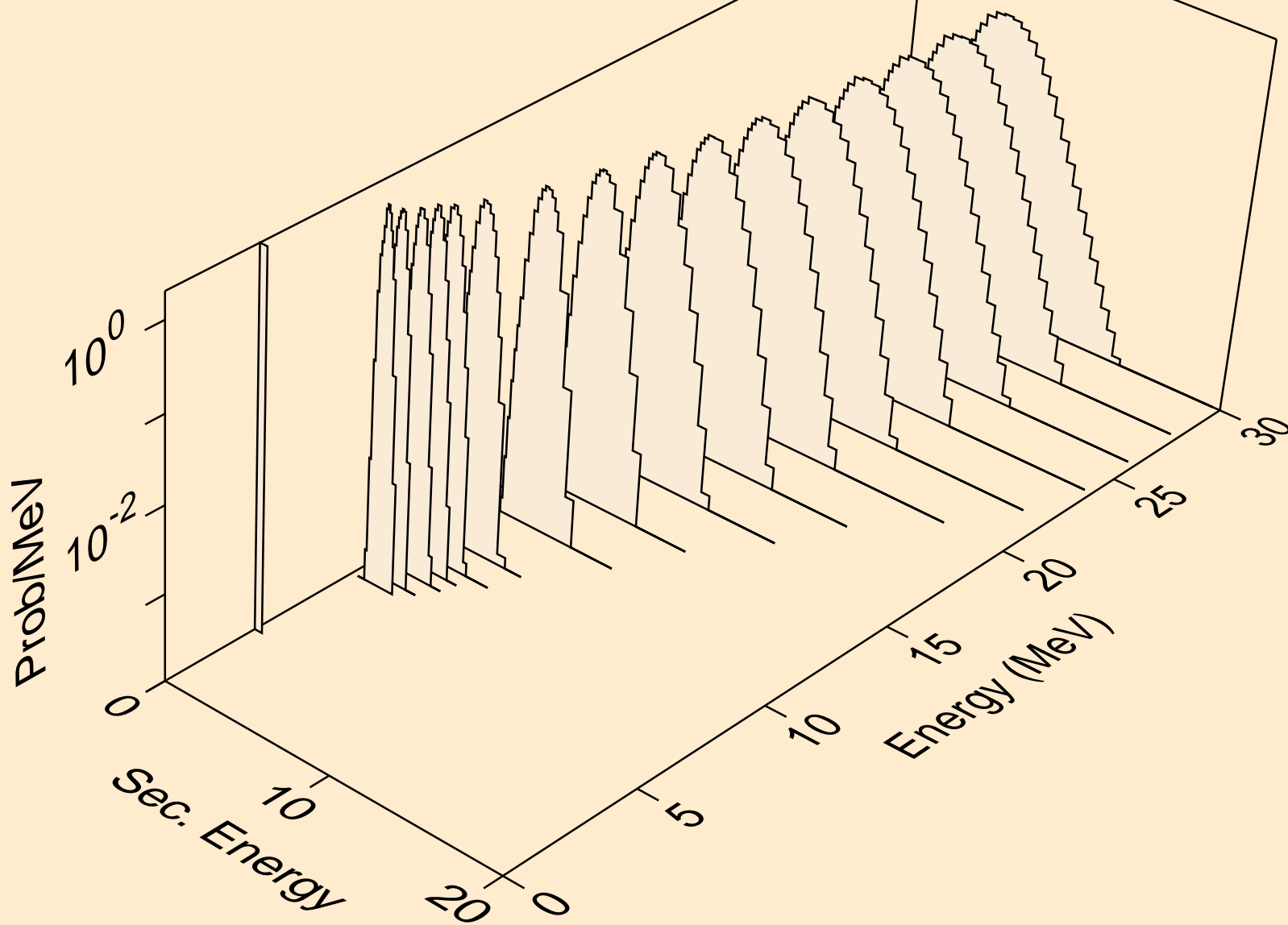
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protons from (n,2p)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

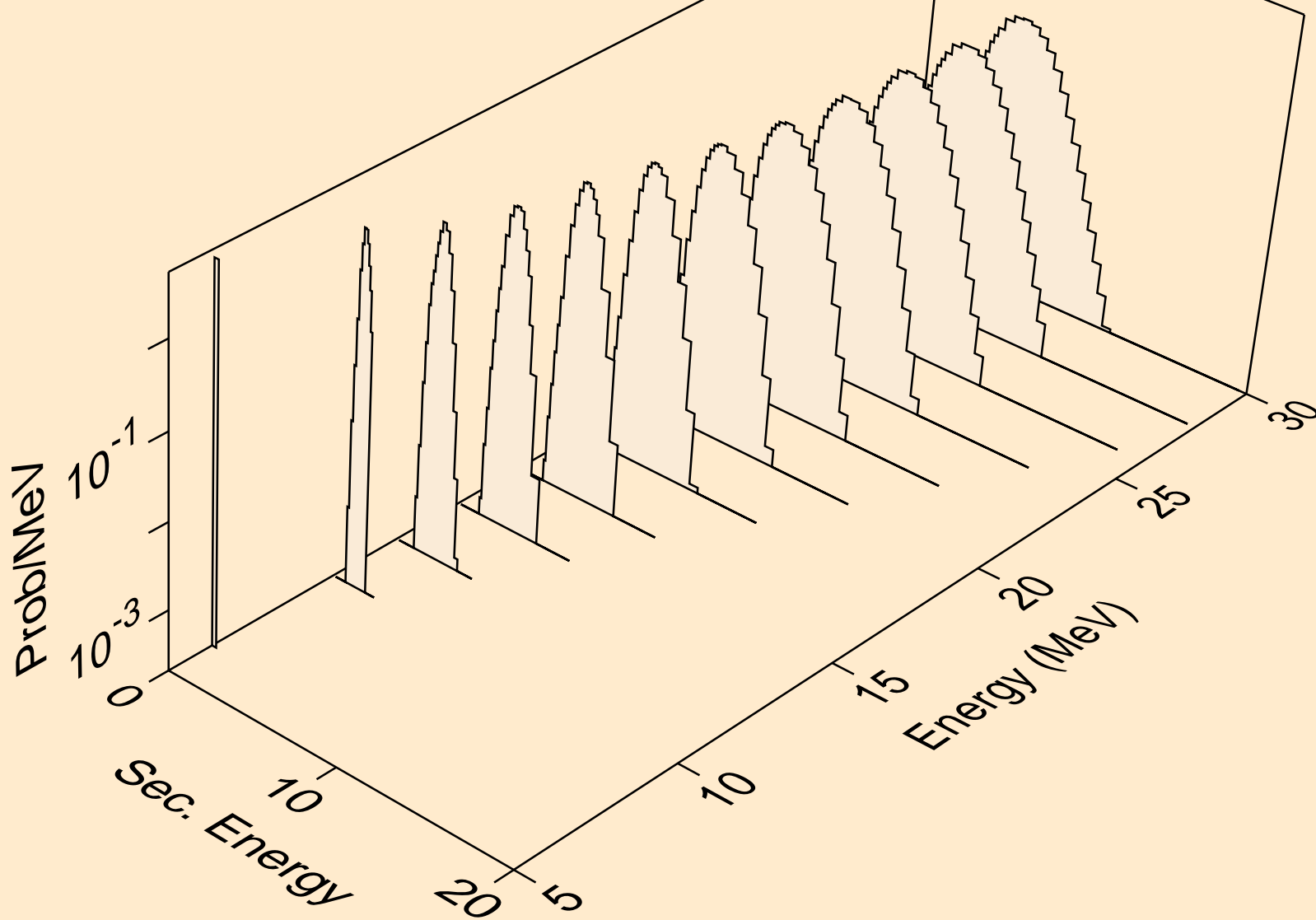


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

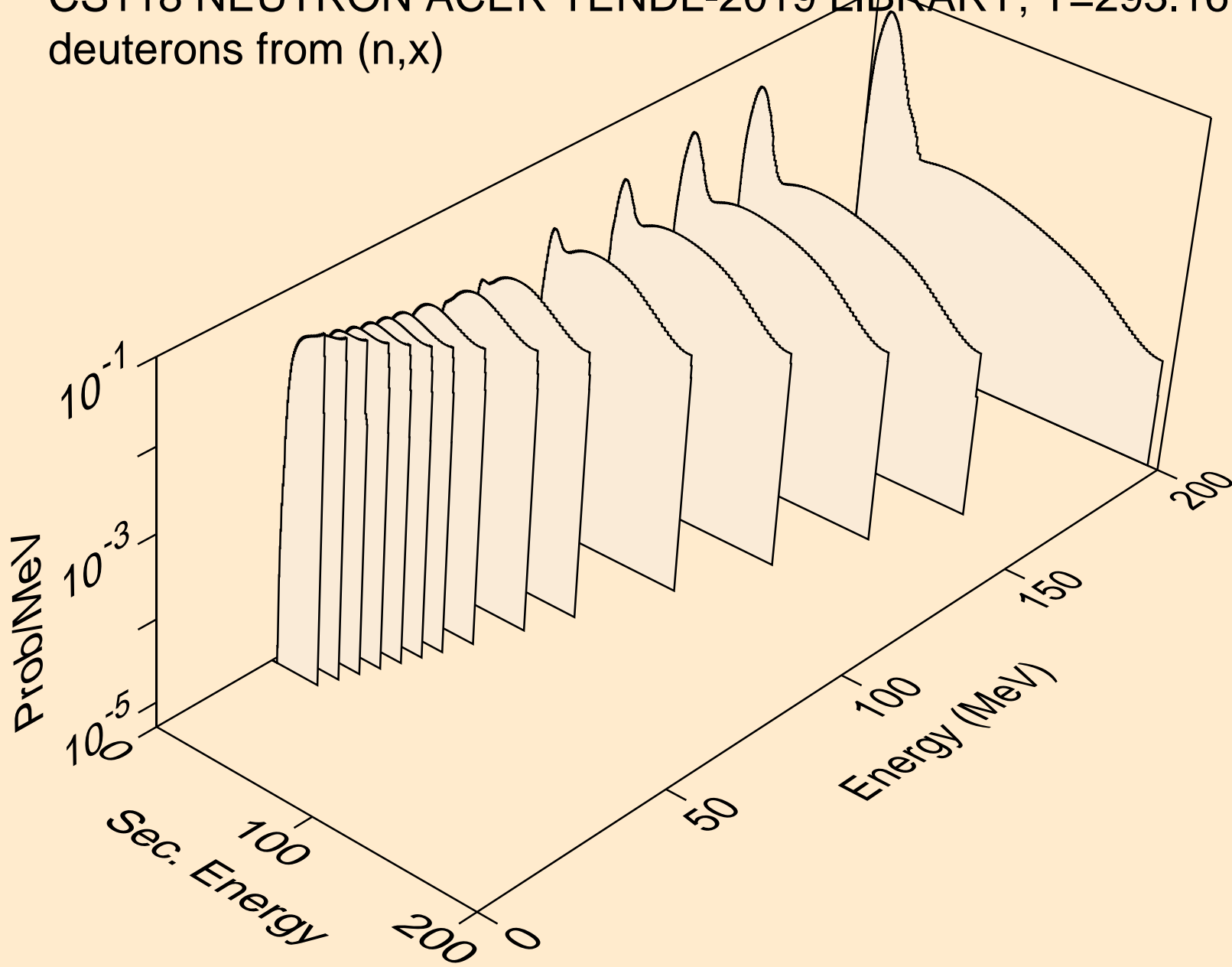




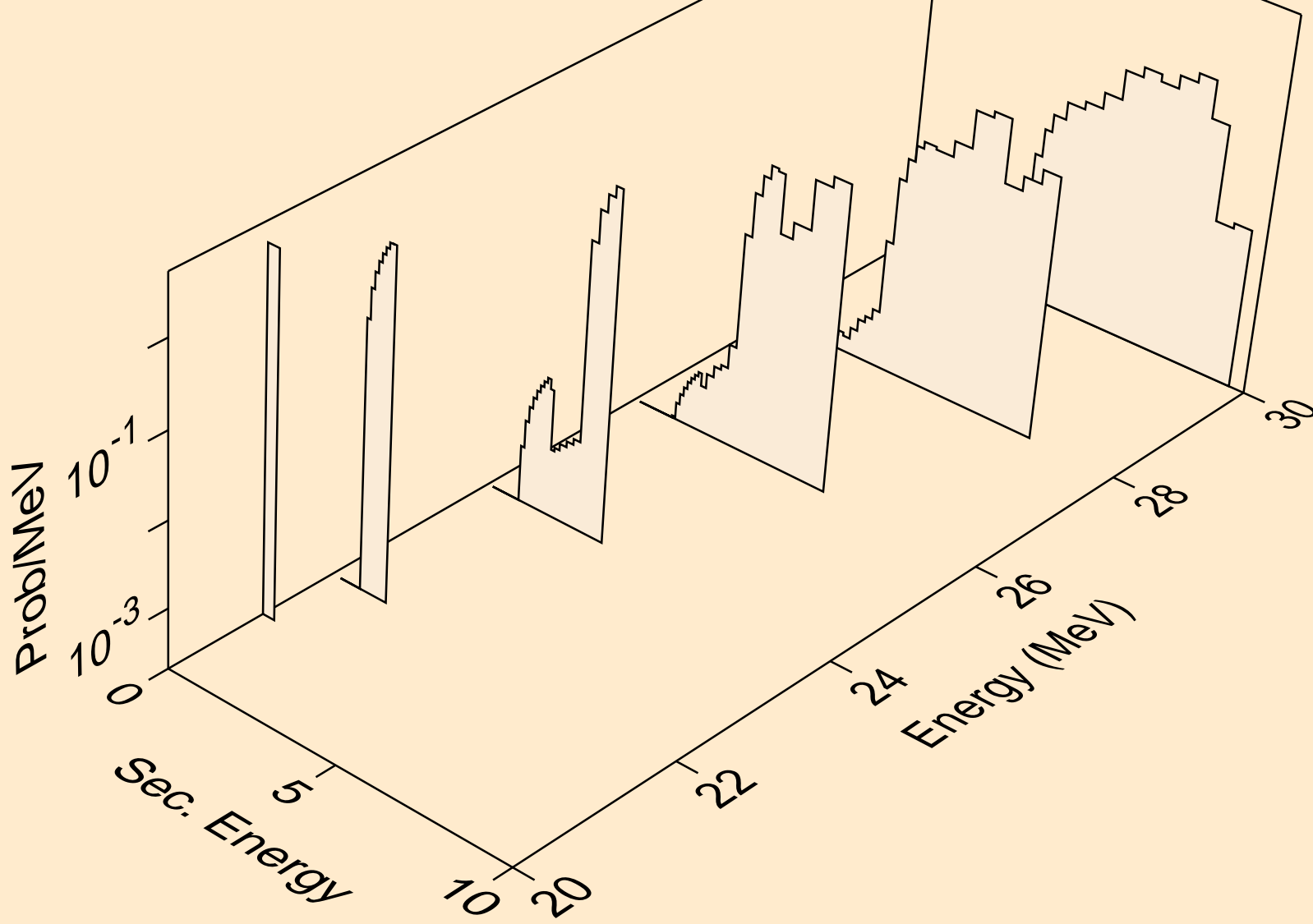
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



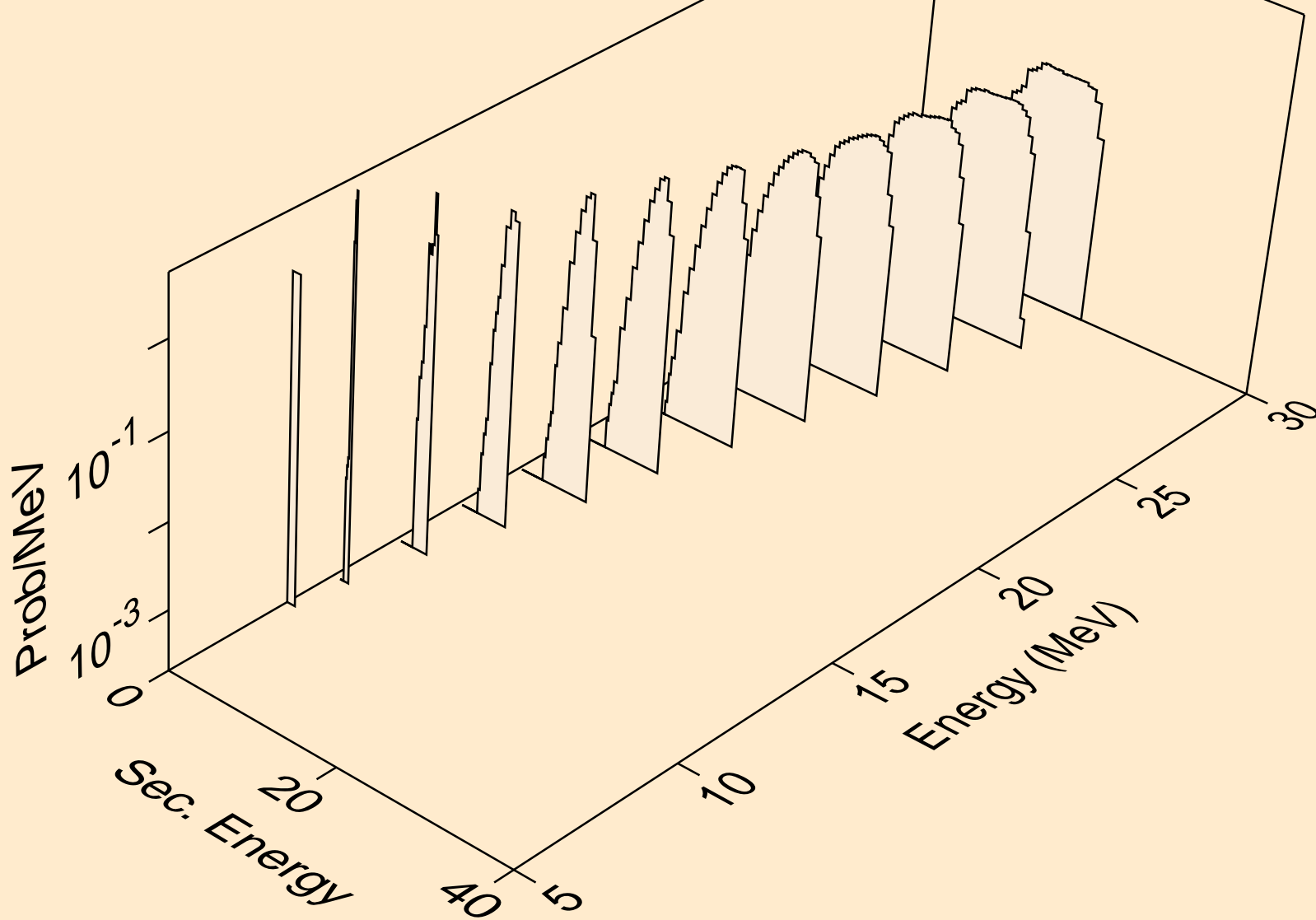
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



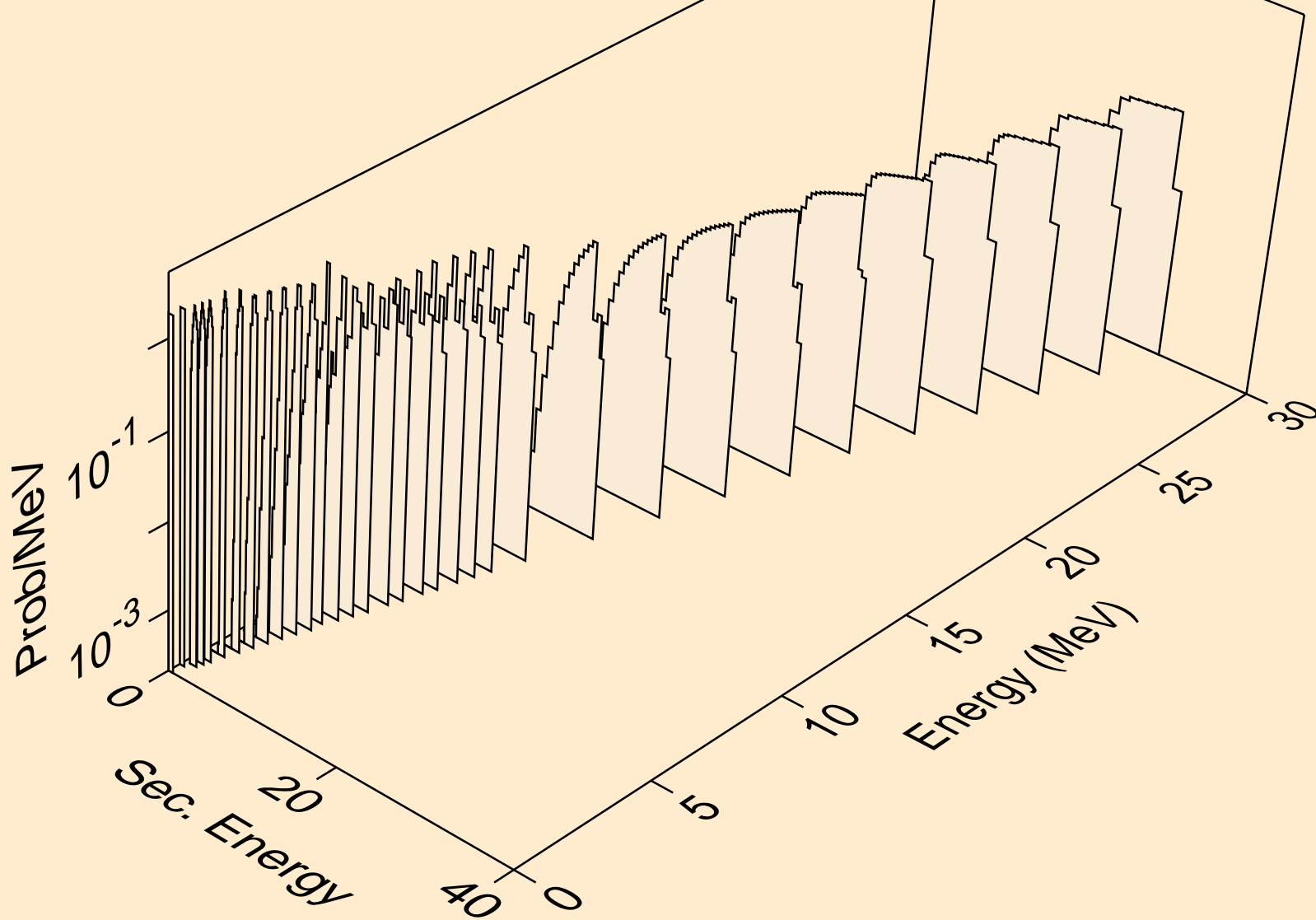
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deuterons from (n,2nd)



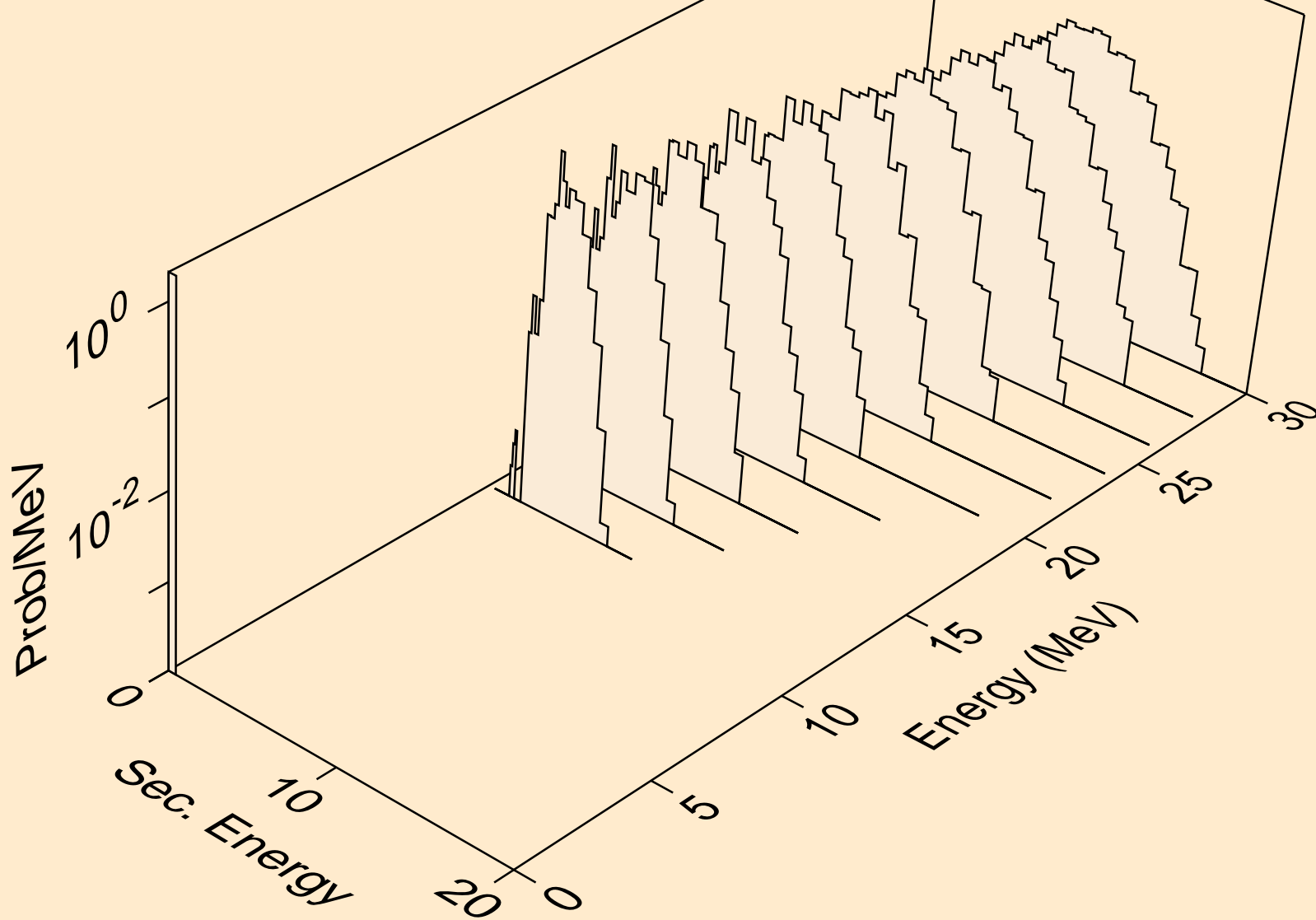
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



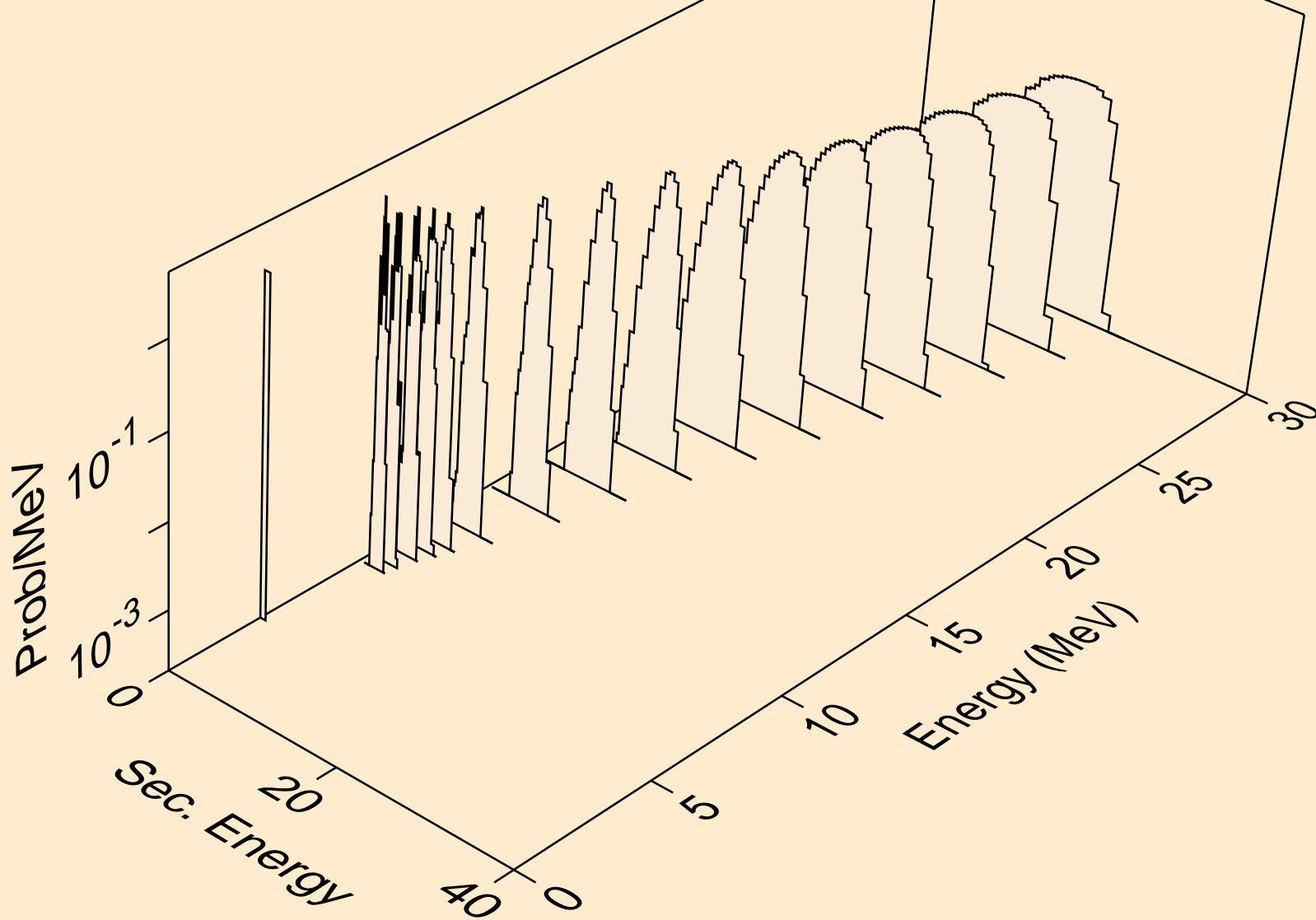
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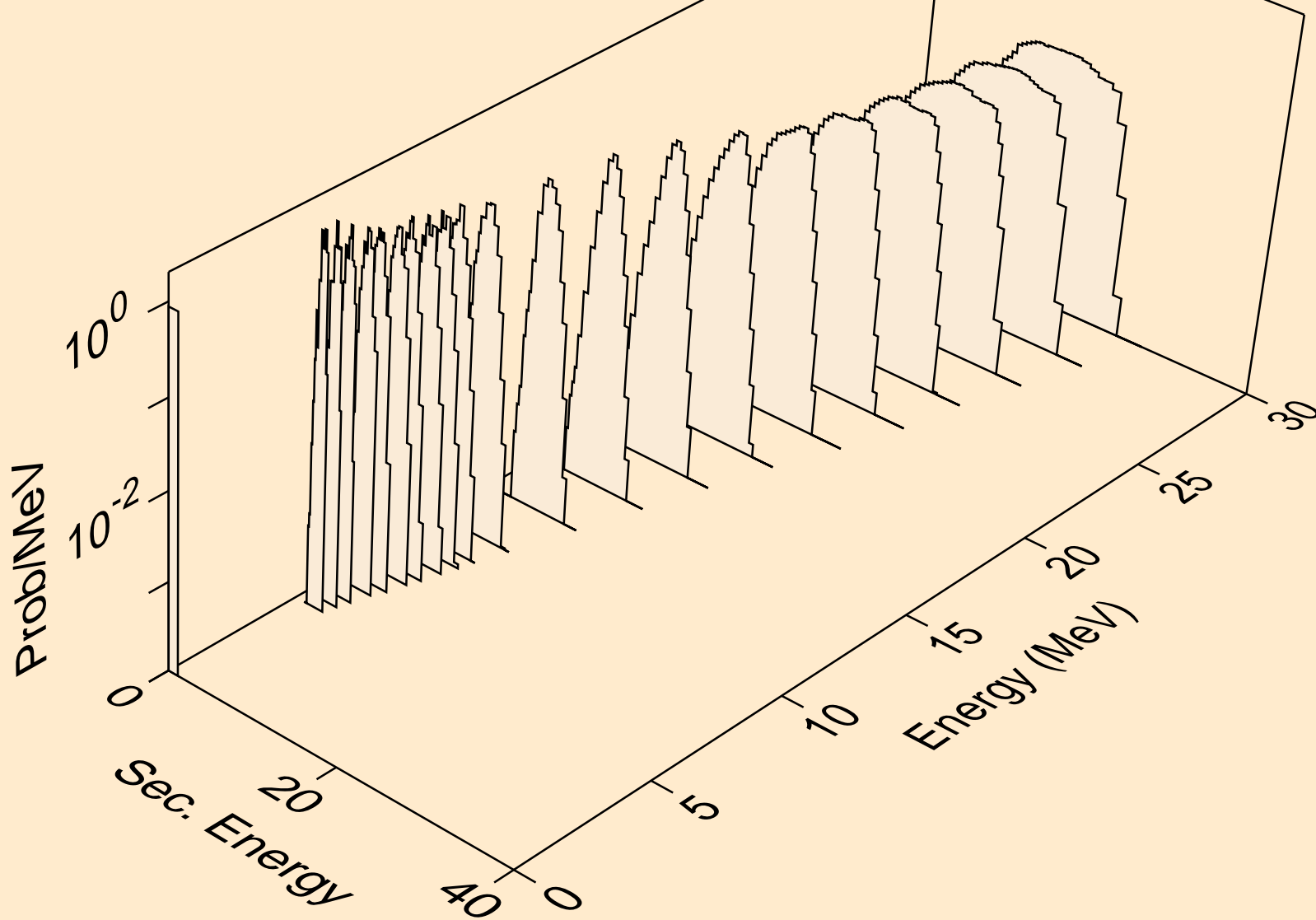
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d2a)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

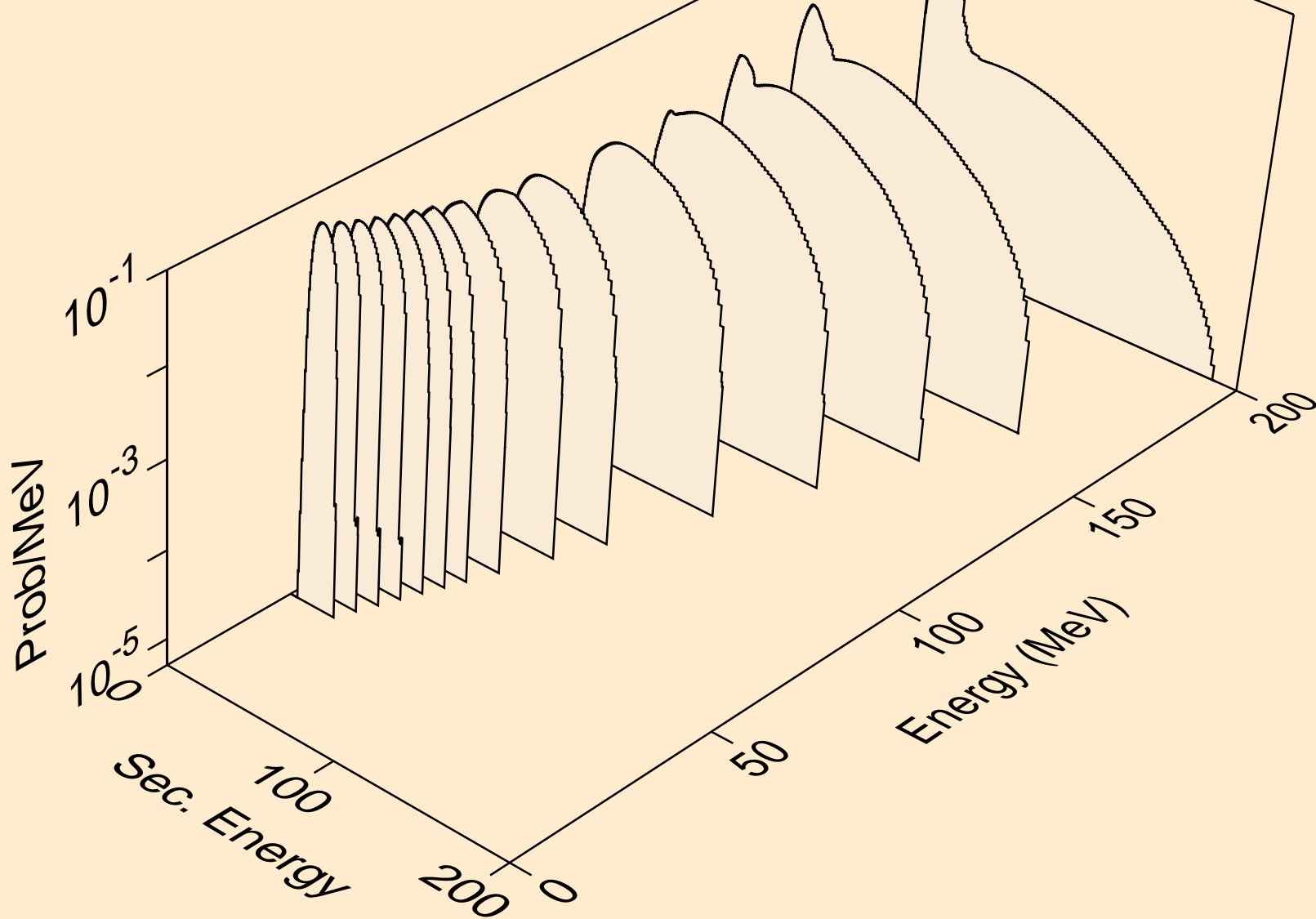


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

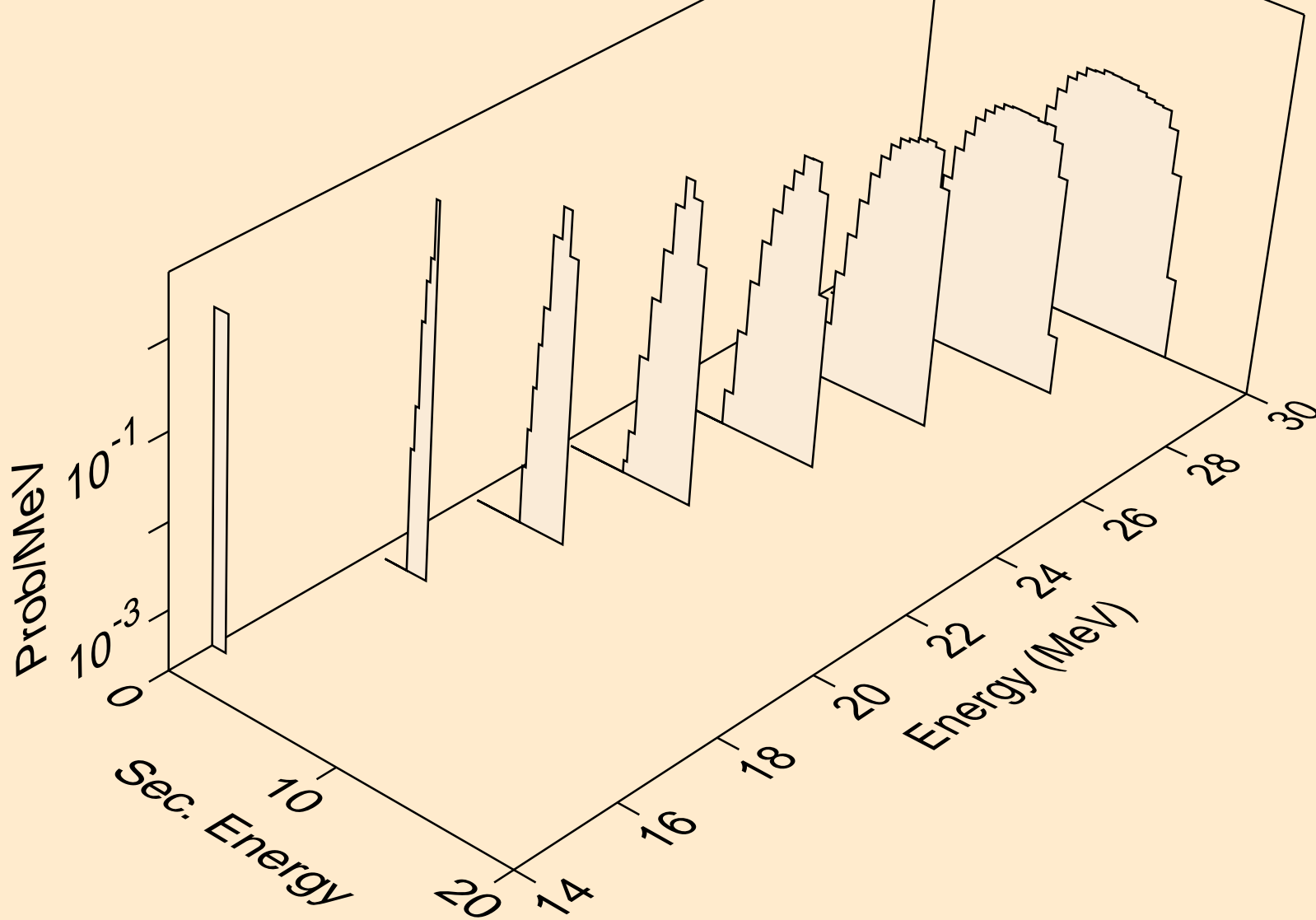




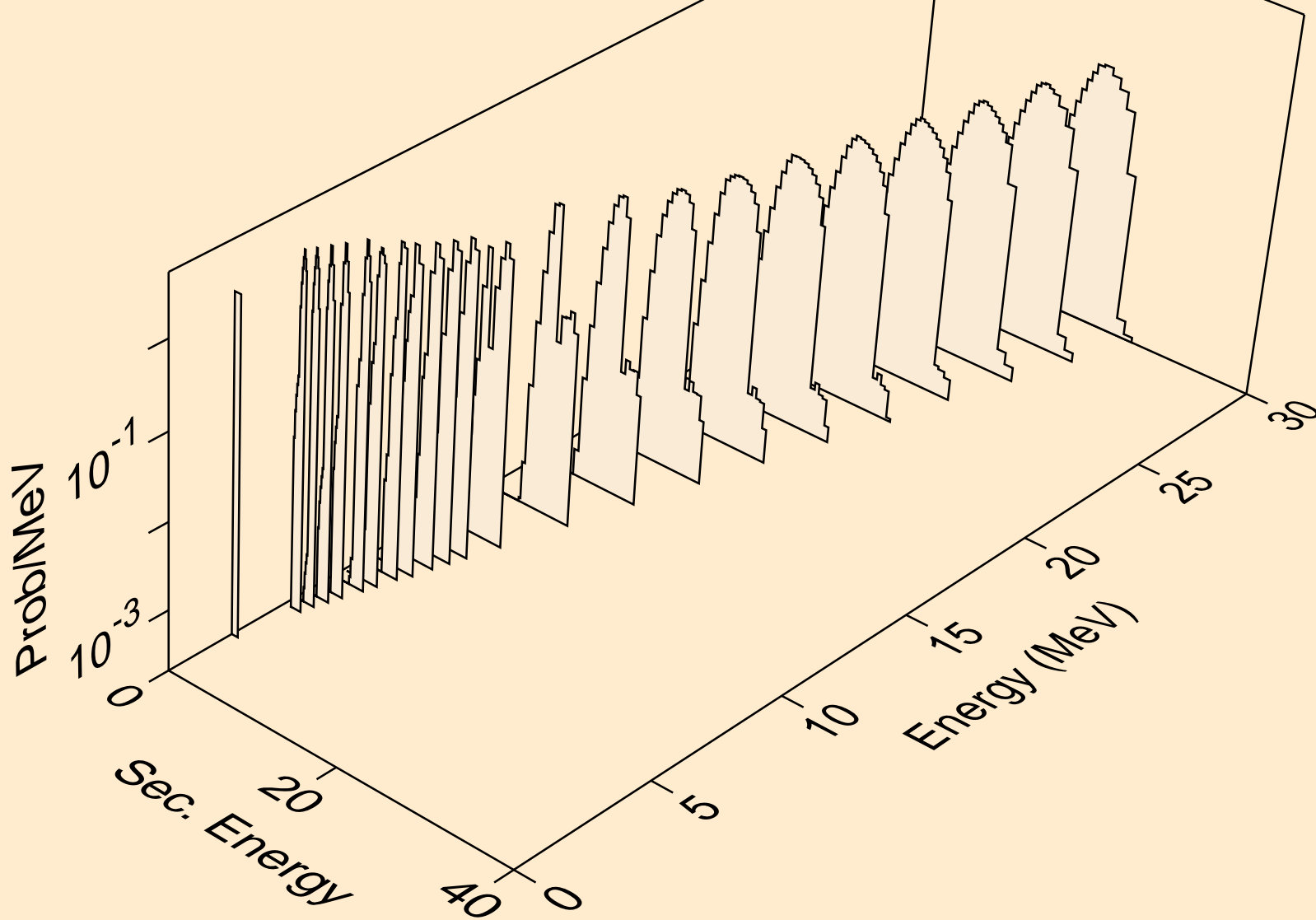
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tritons from (n,x)



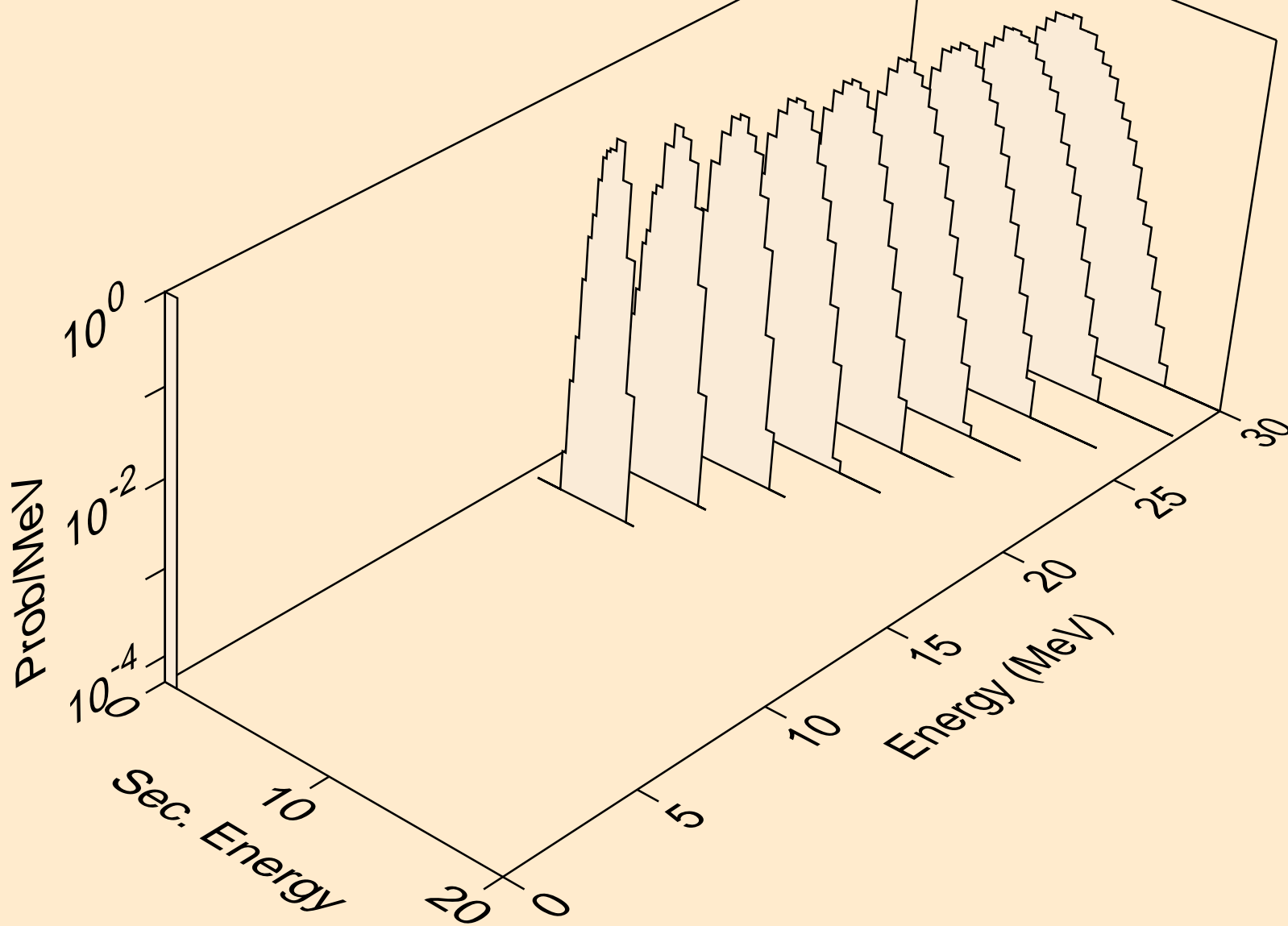
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



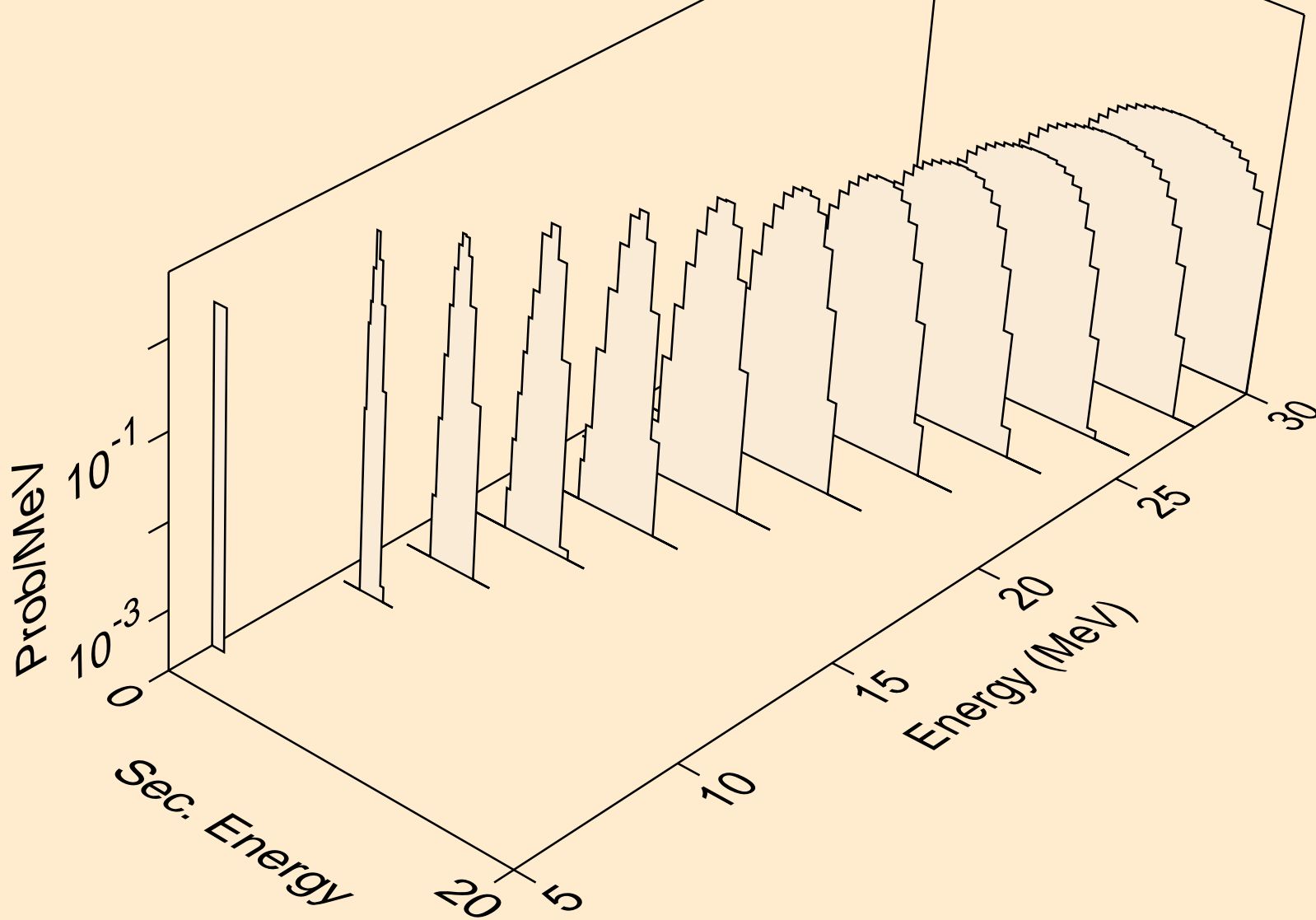
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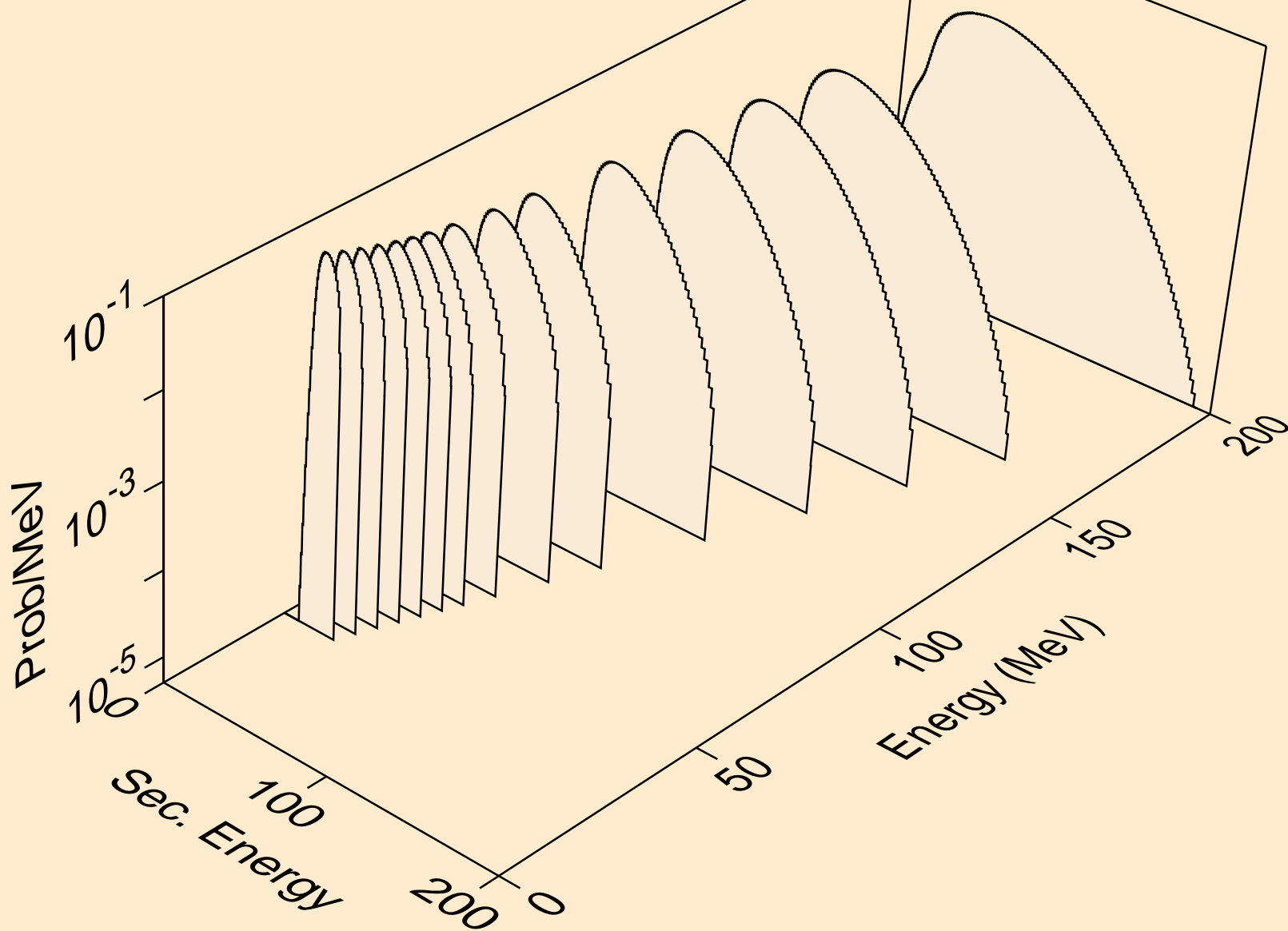
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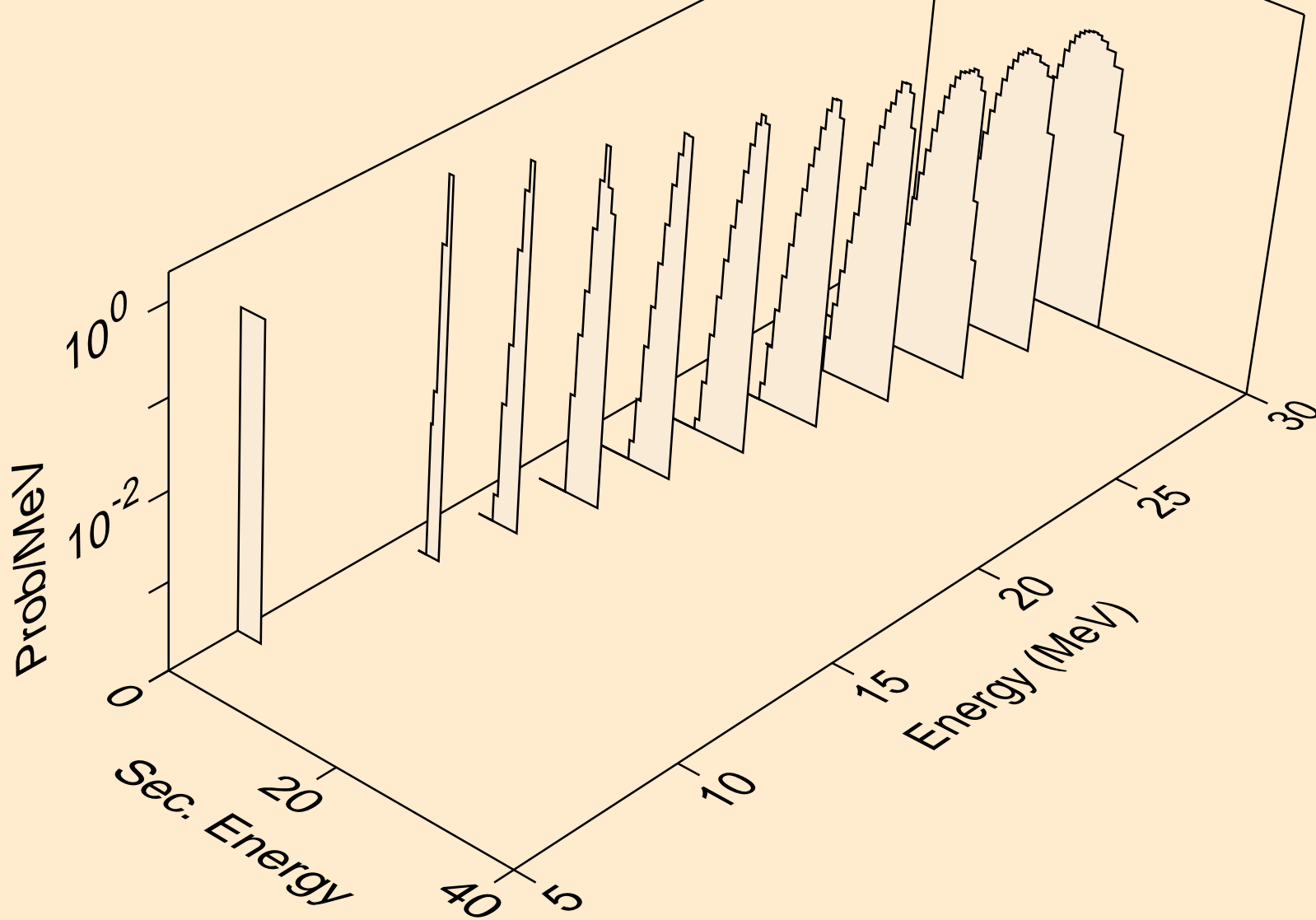
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tritons from (n,pt)



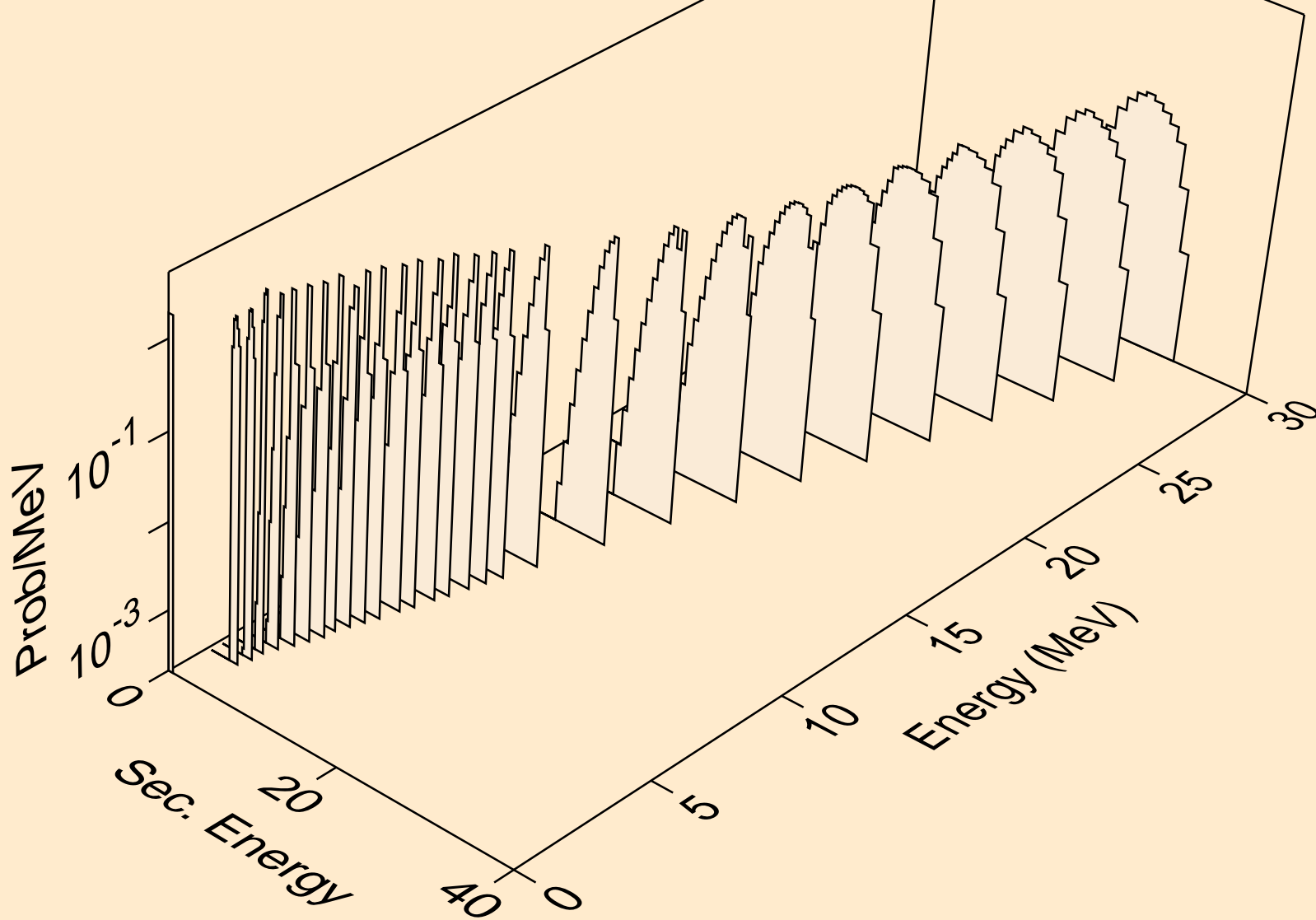
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

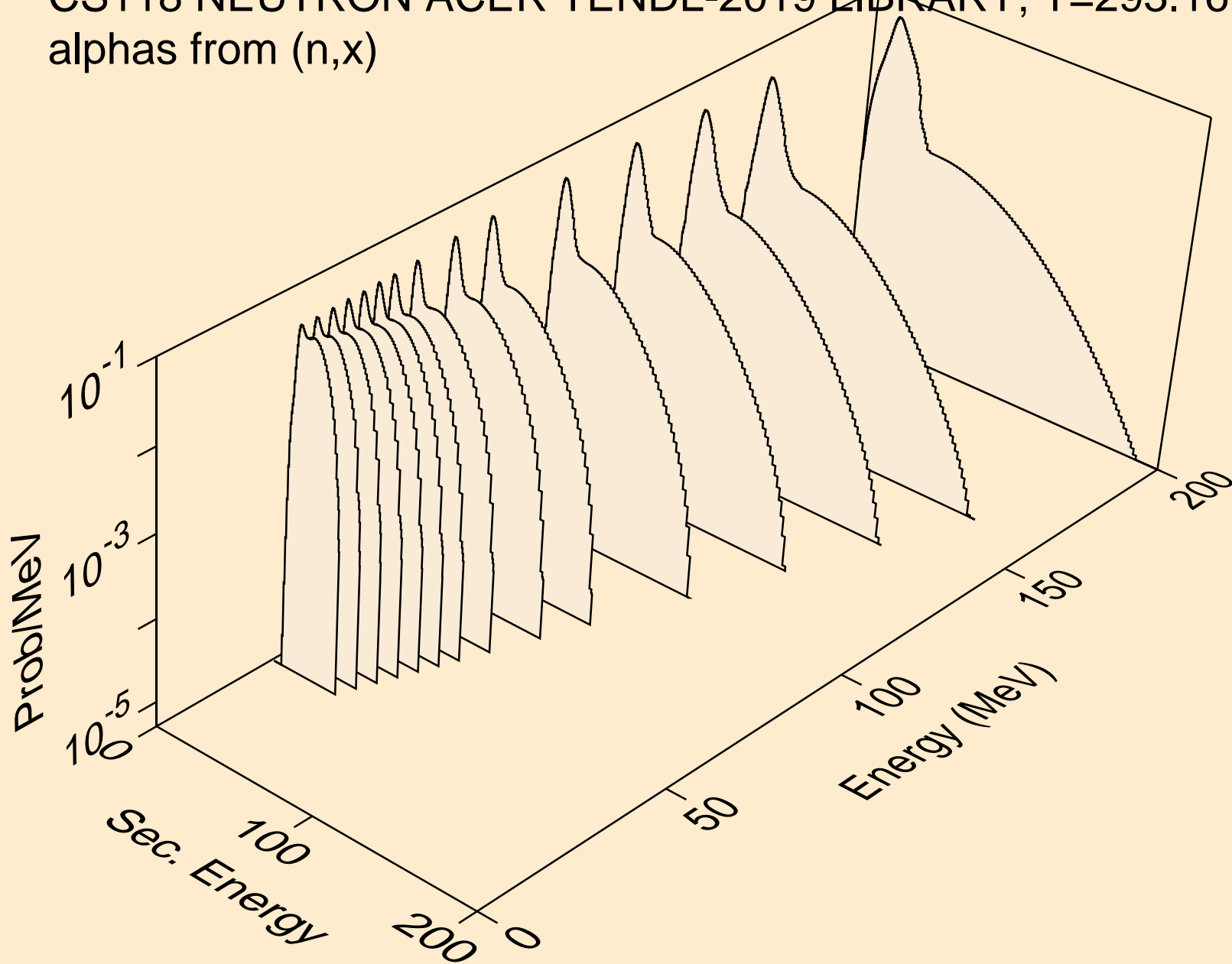


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

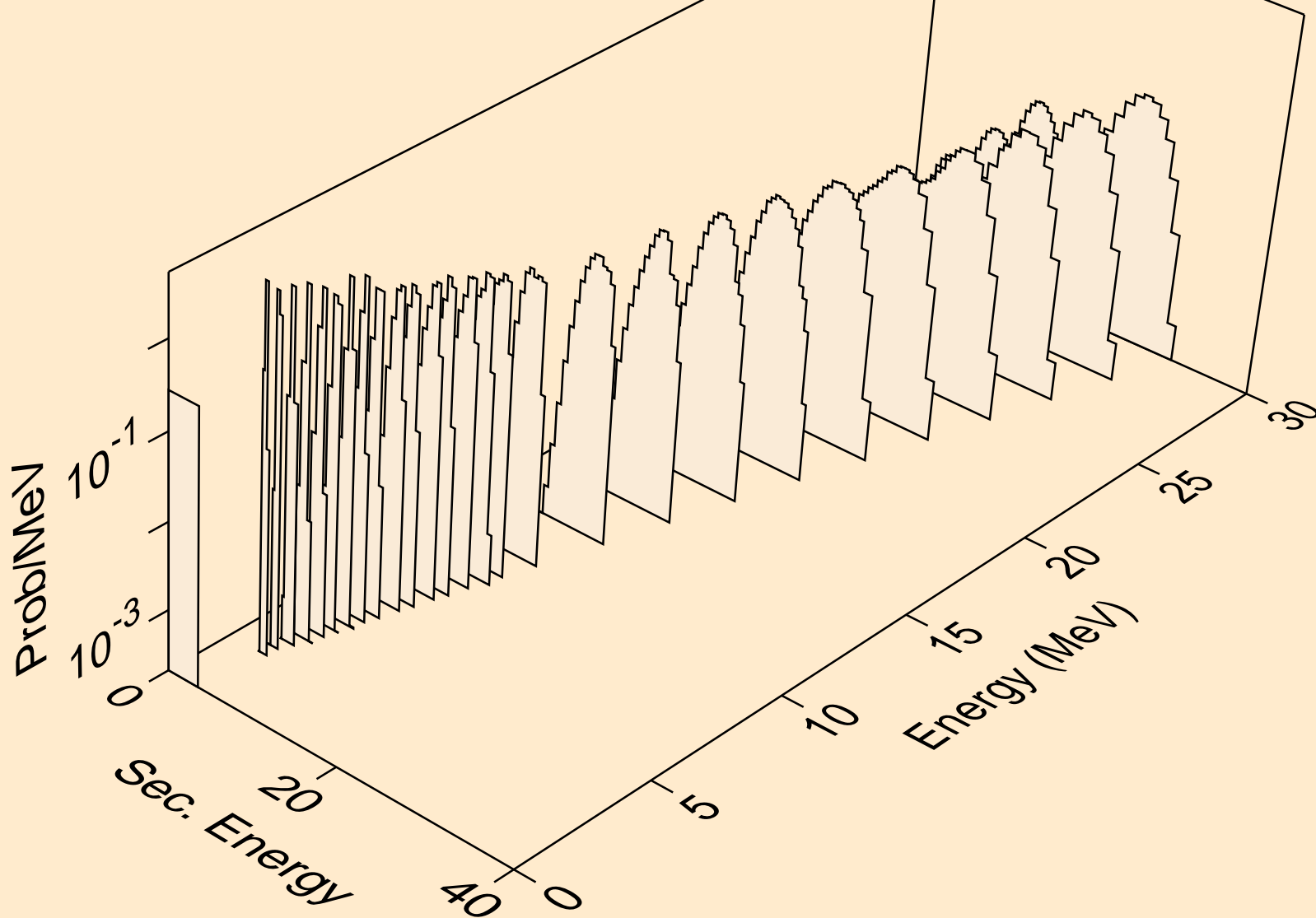




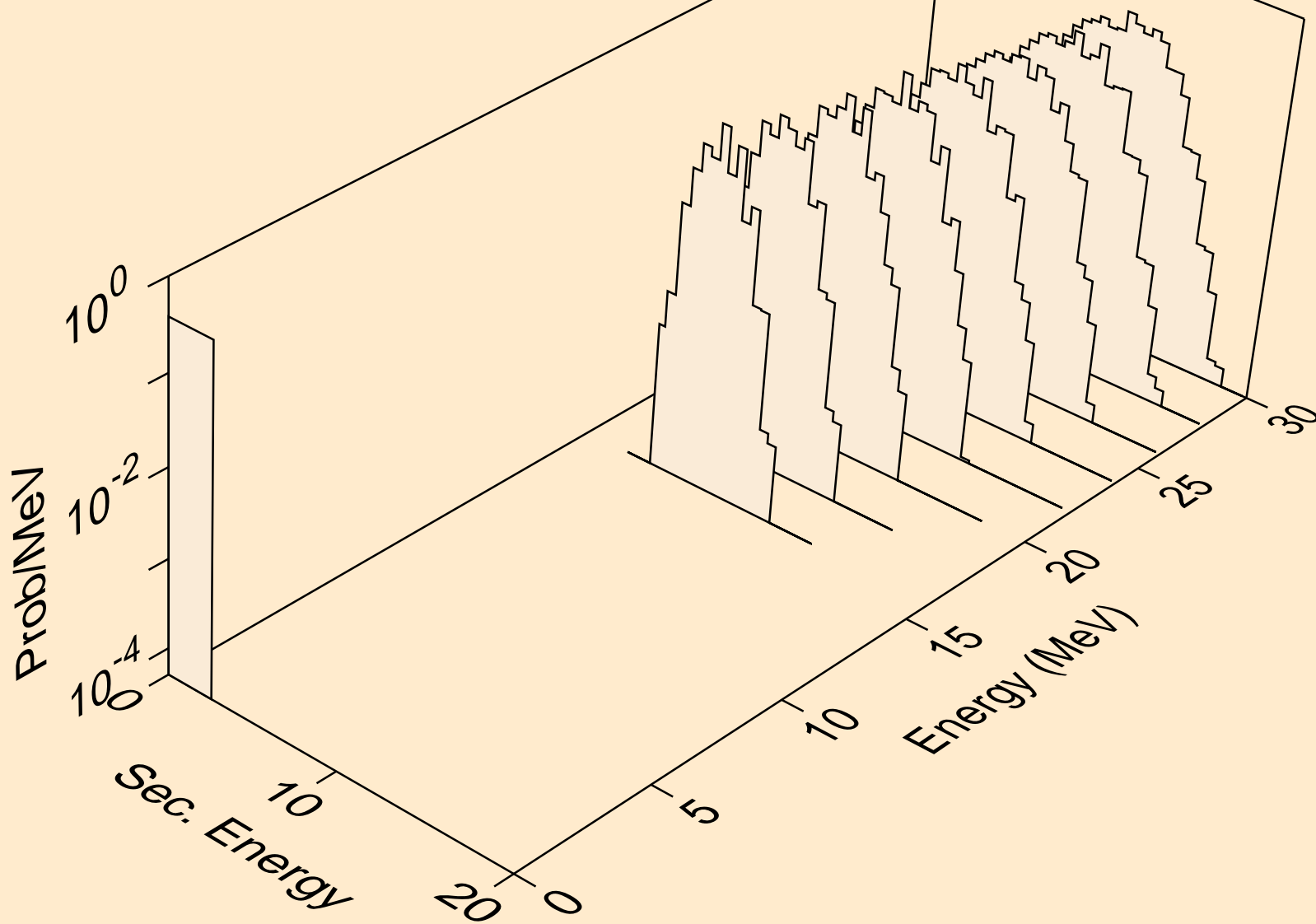
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



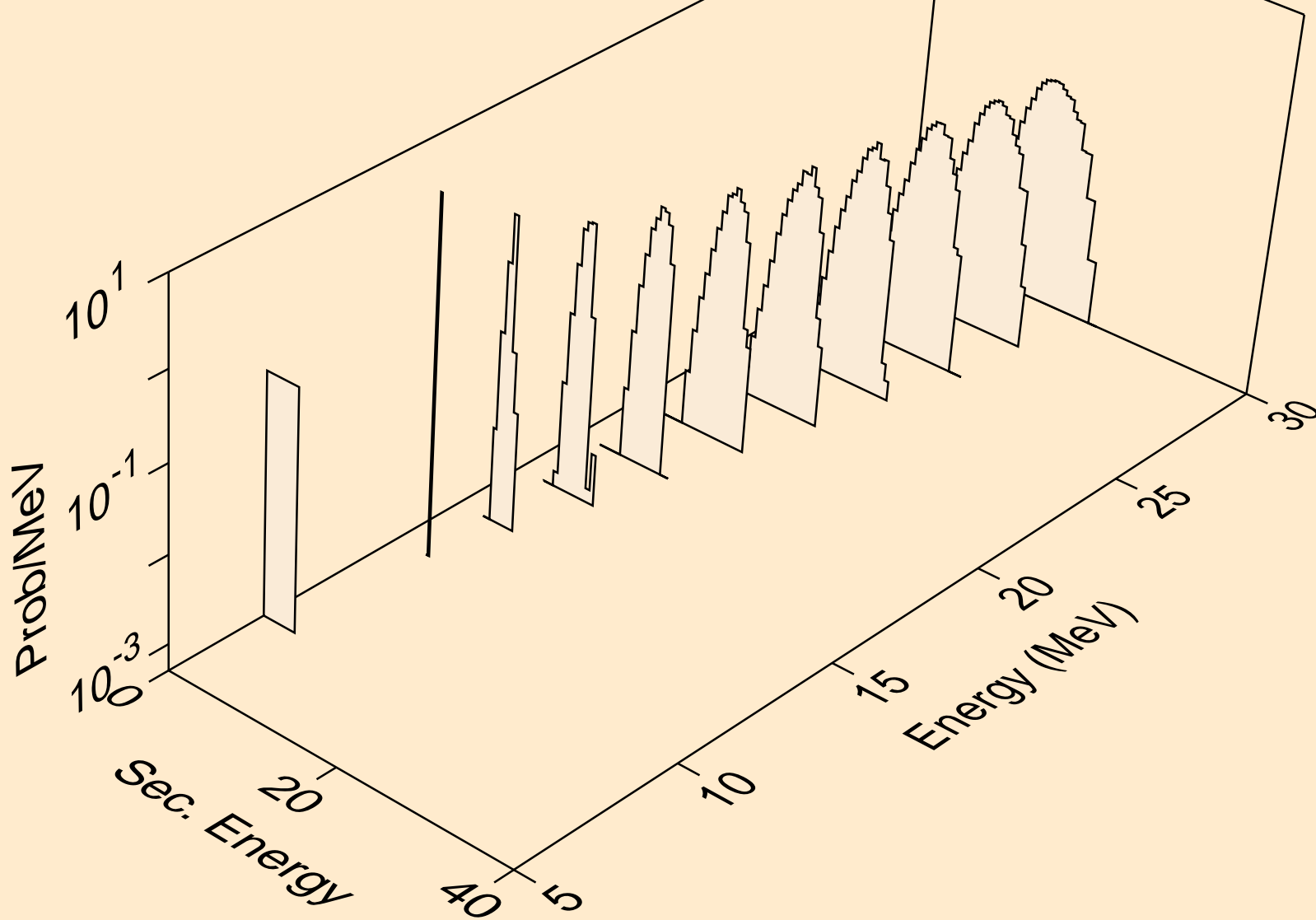
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



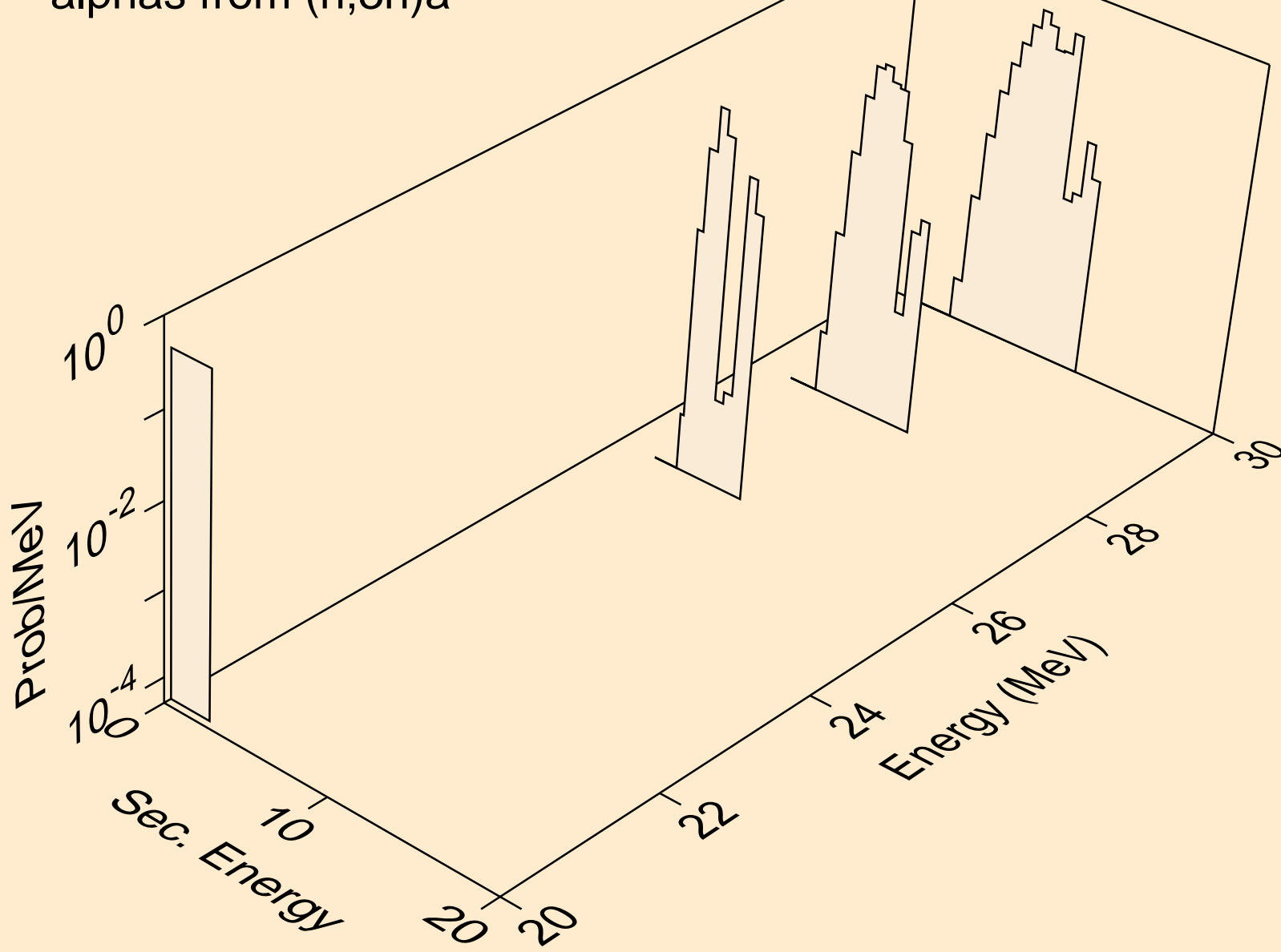
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)3a



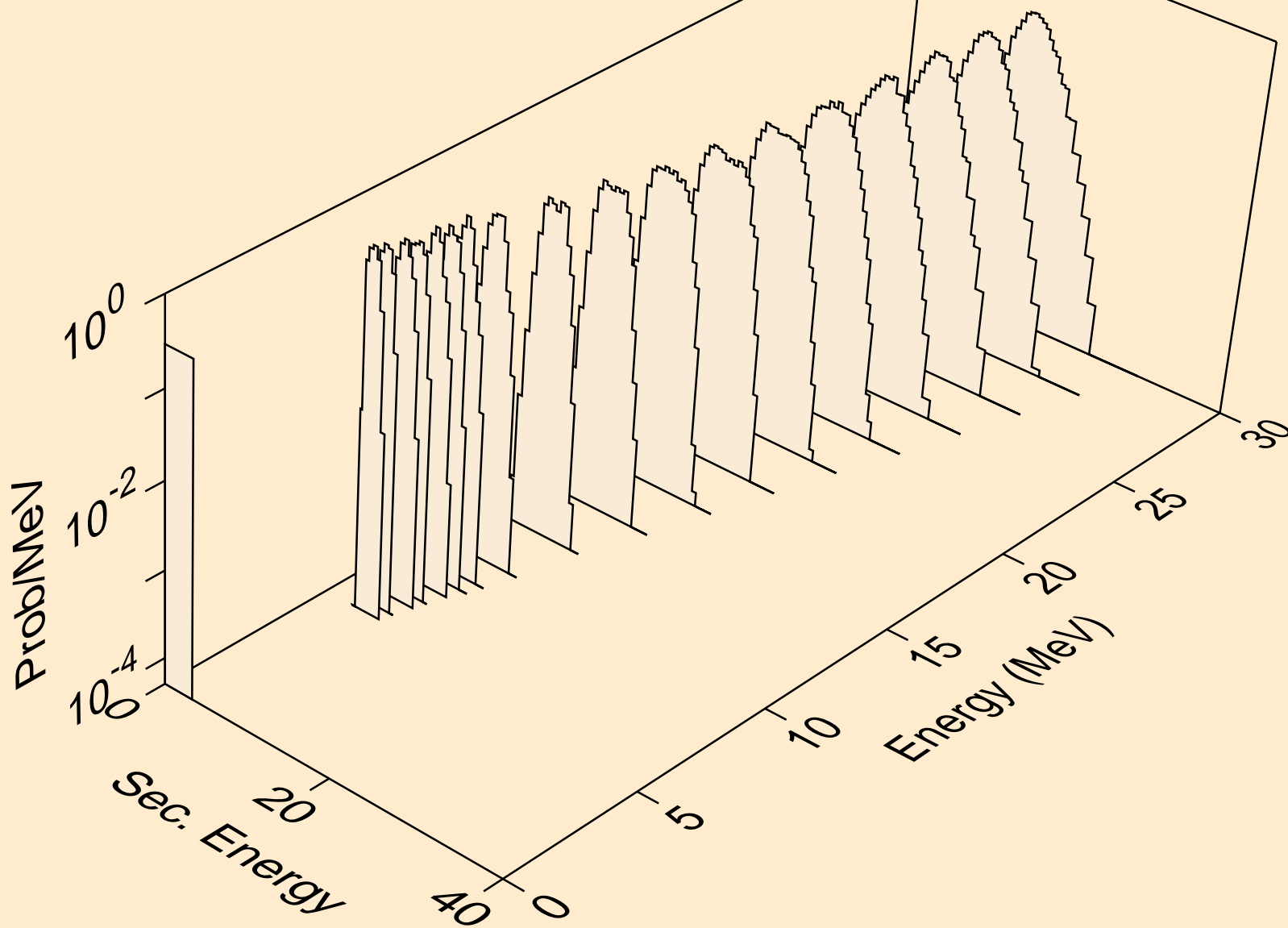
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alphas from (n,2n)a



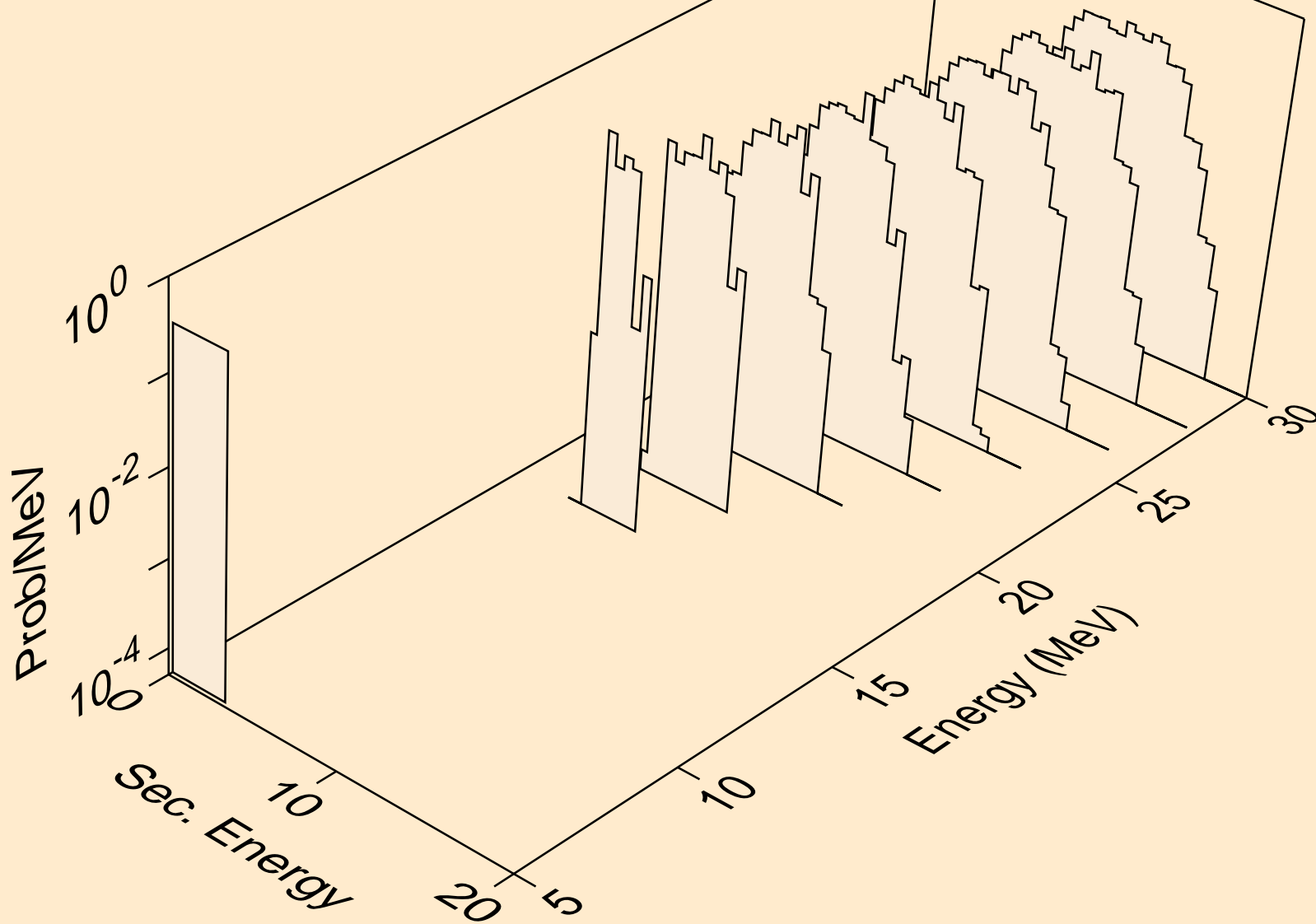
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alphas from (n,3n)a



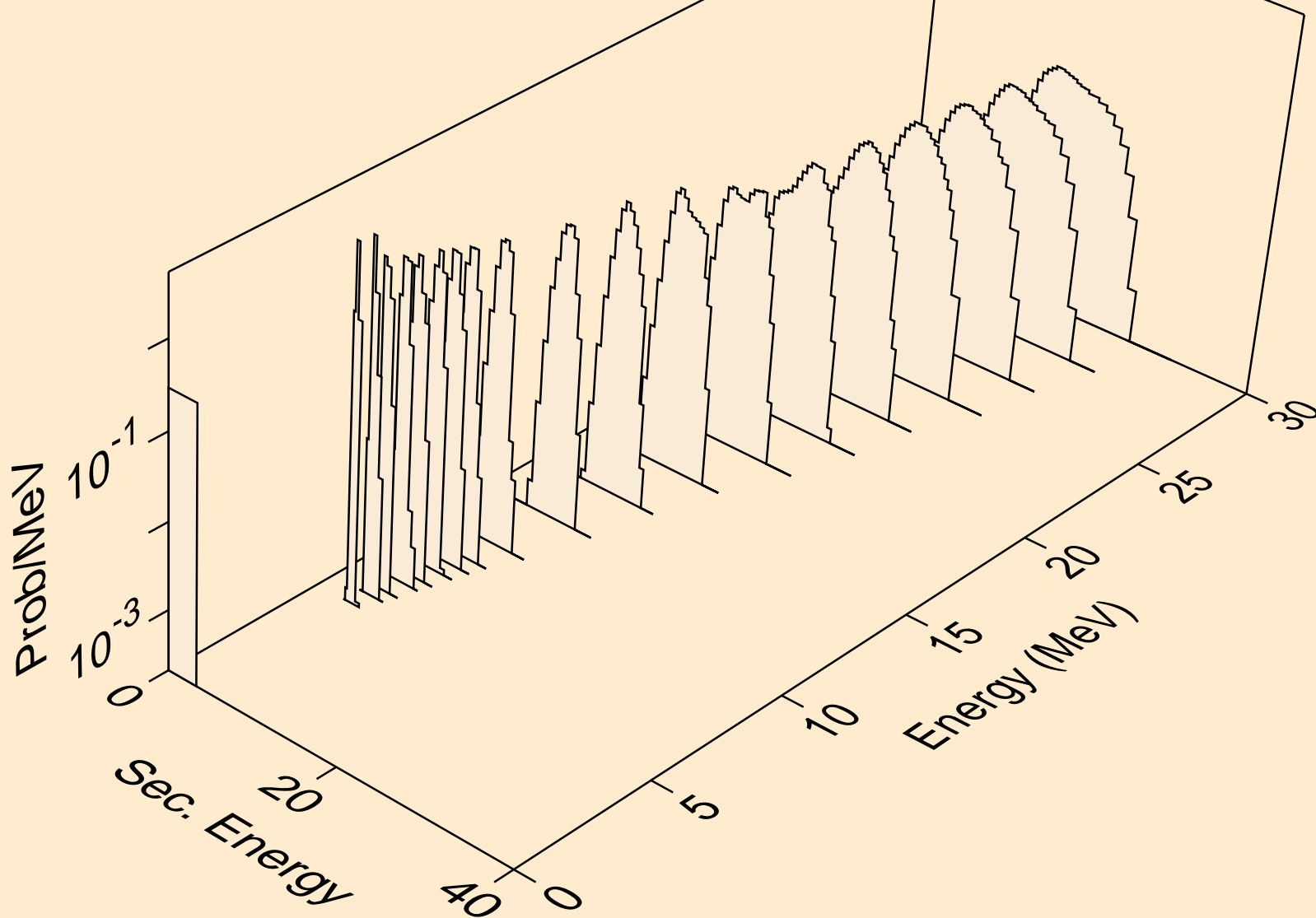
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alphas from (n,n\*)2a



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a

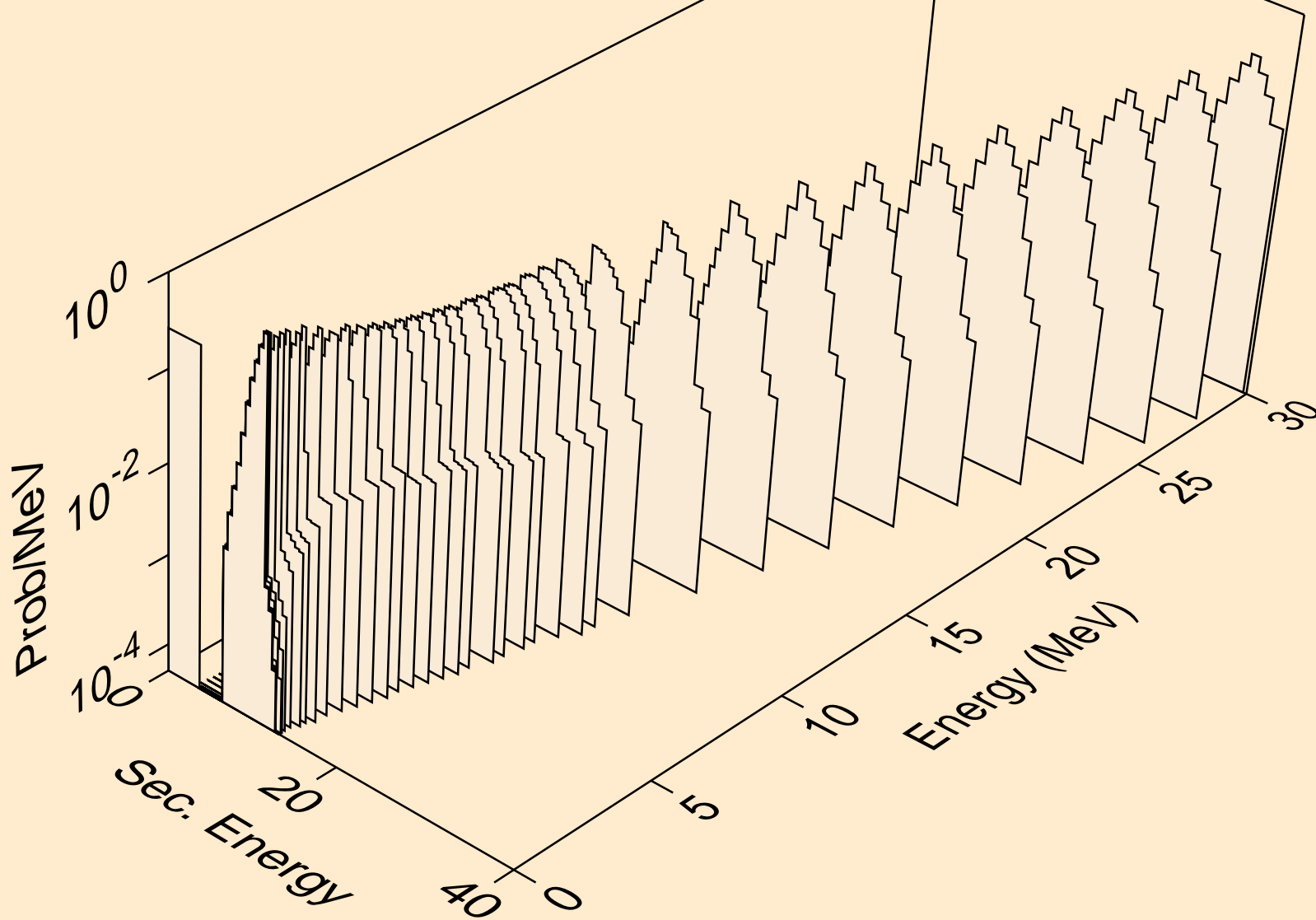


CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

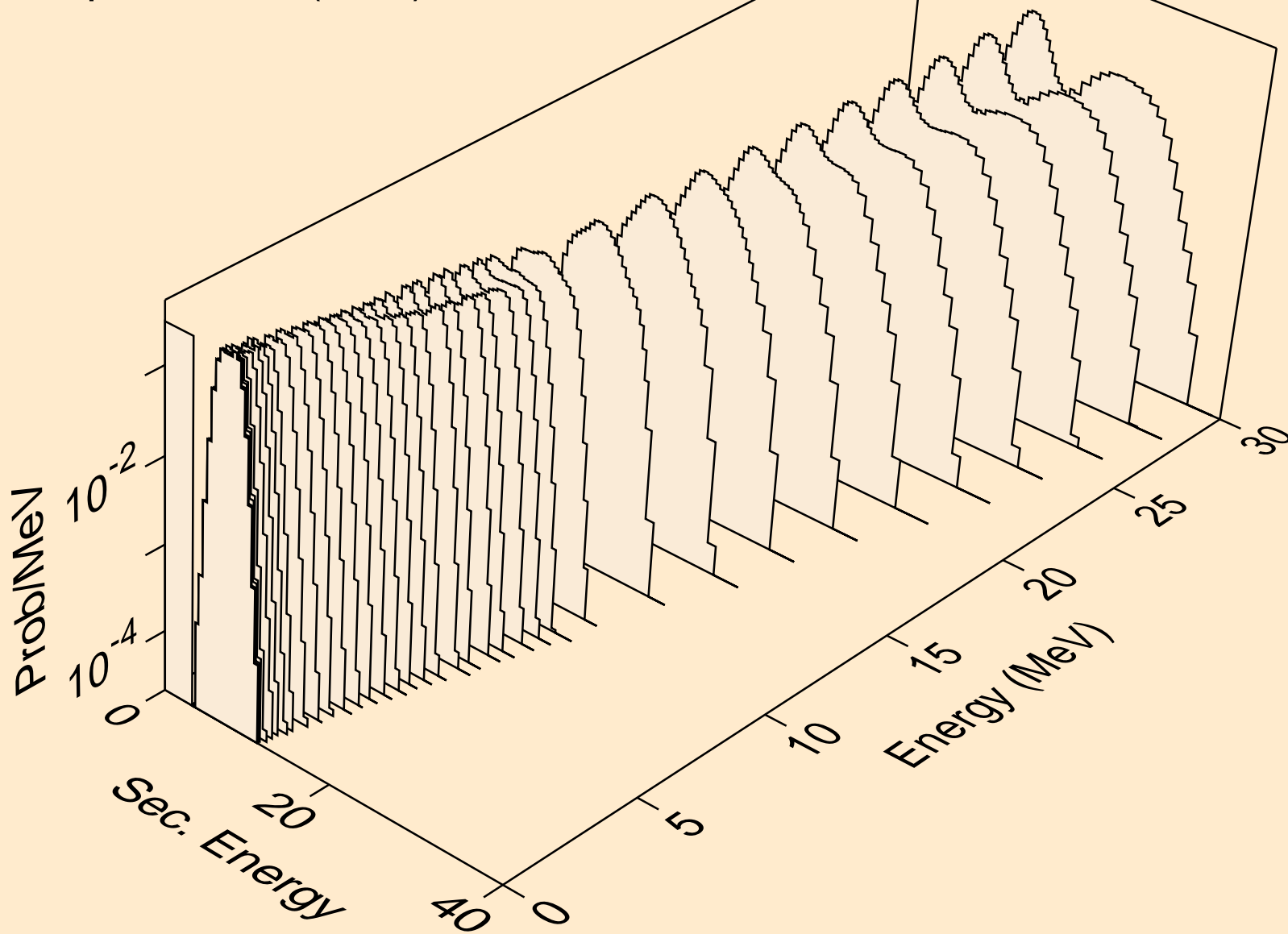




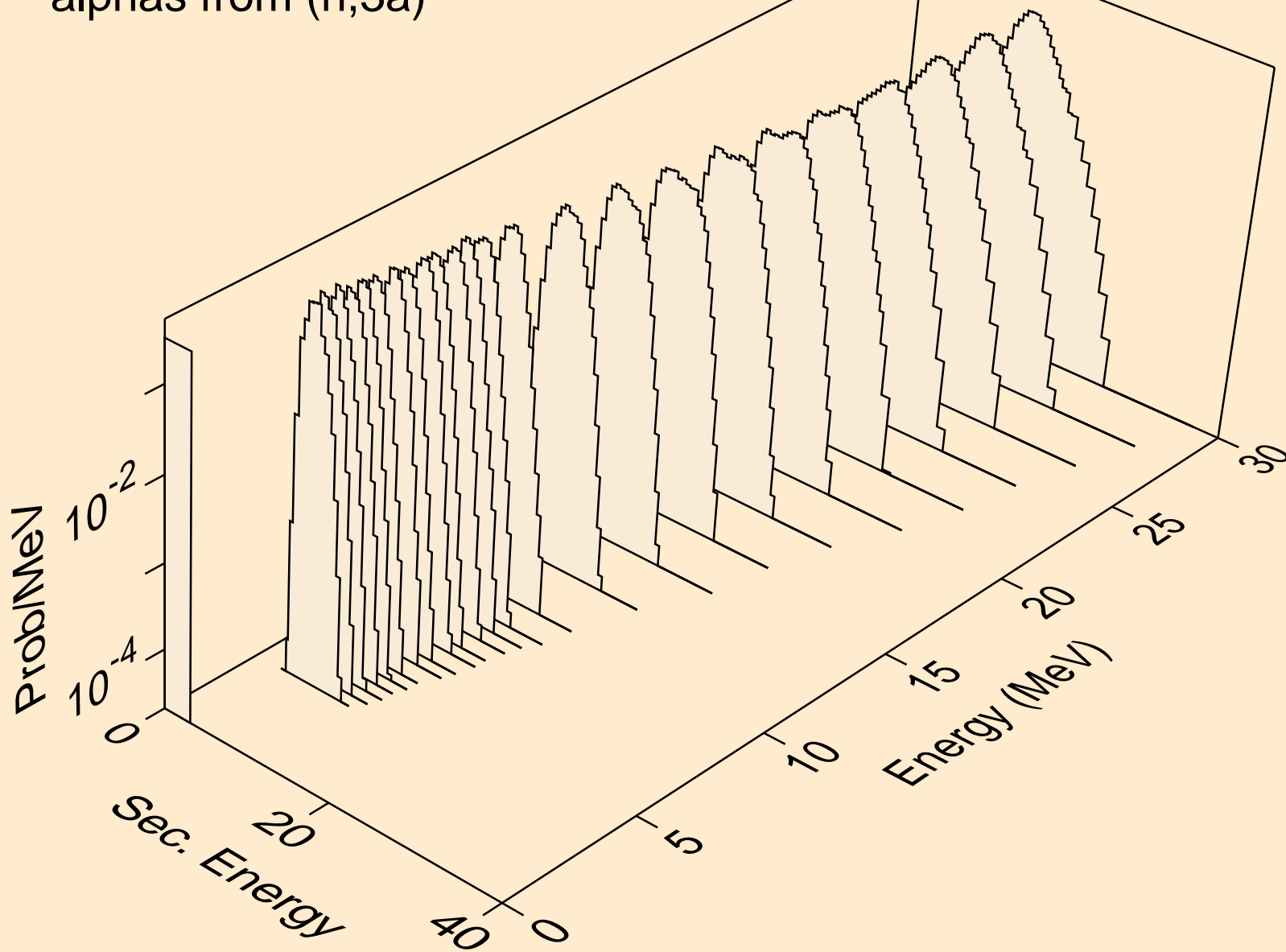
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



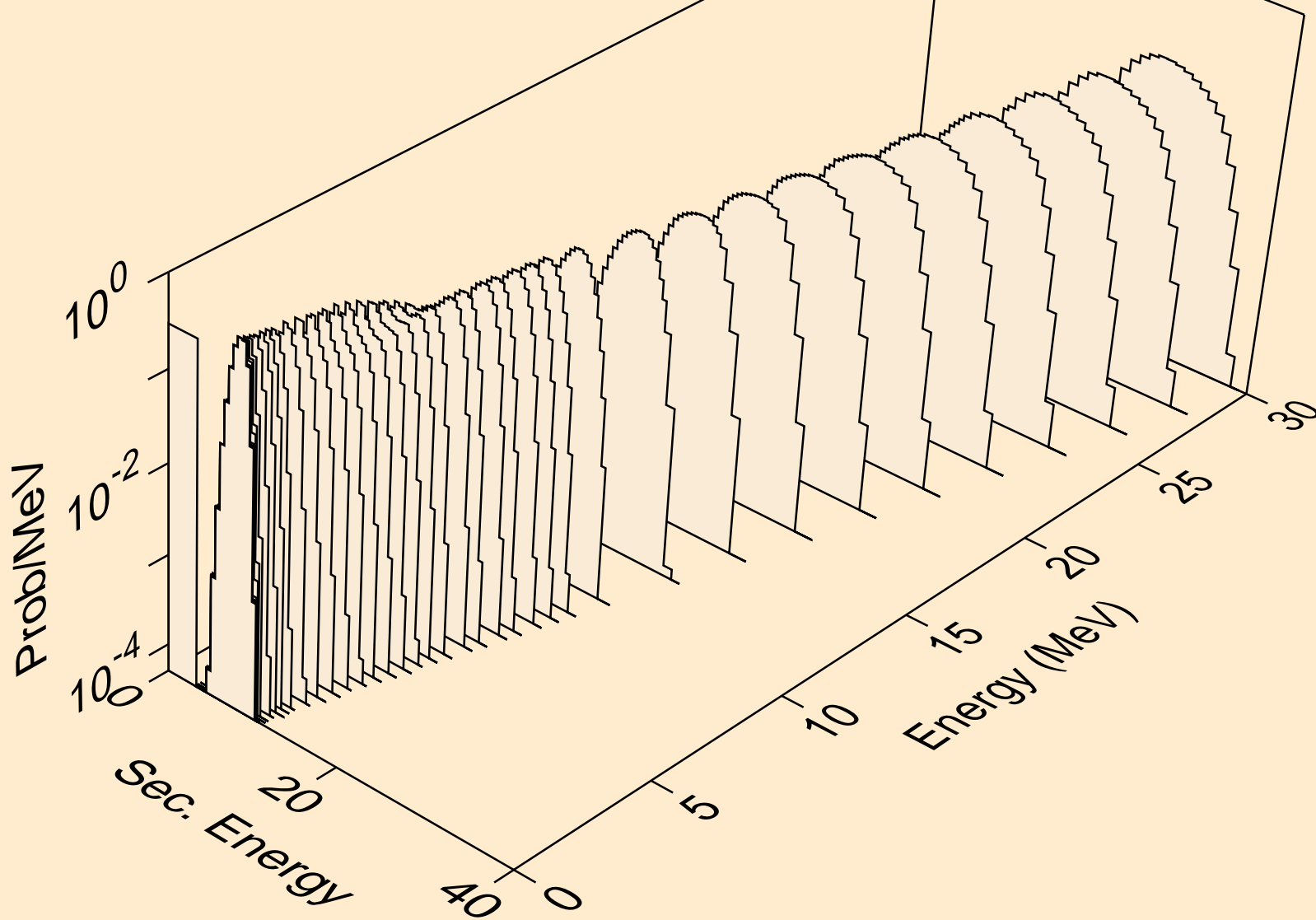
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



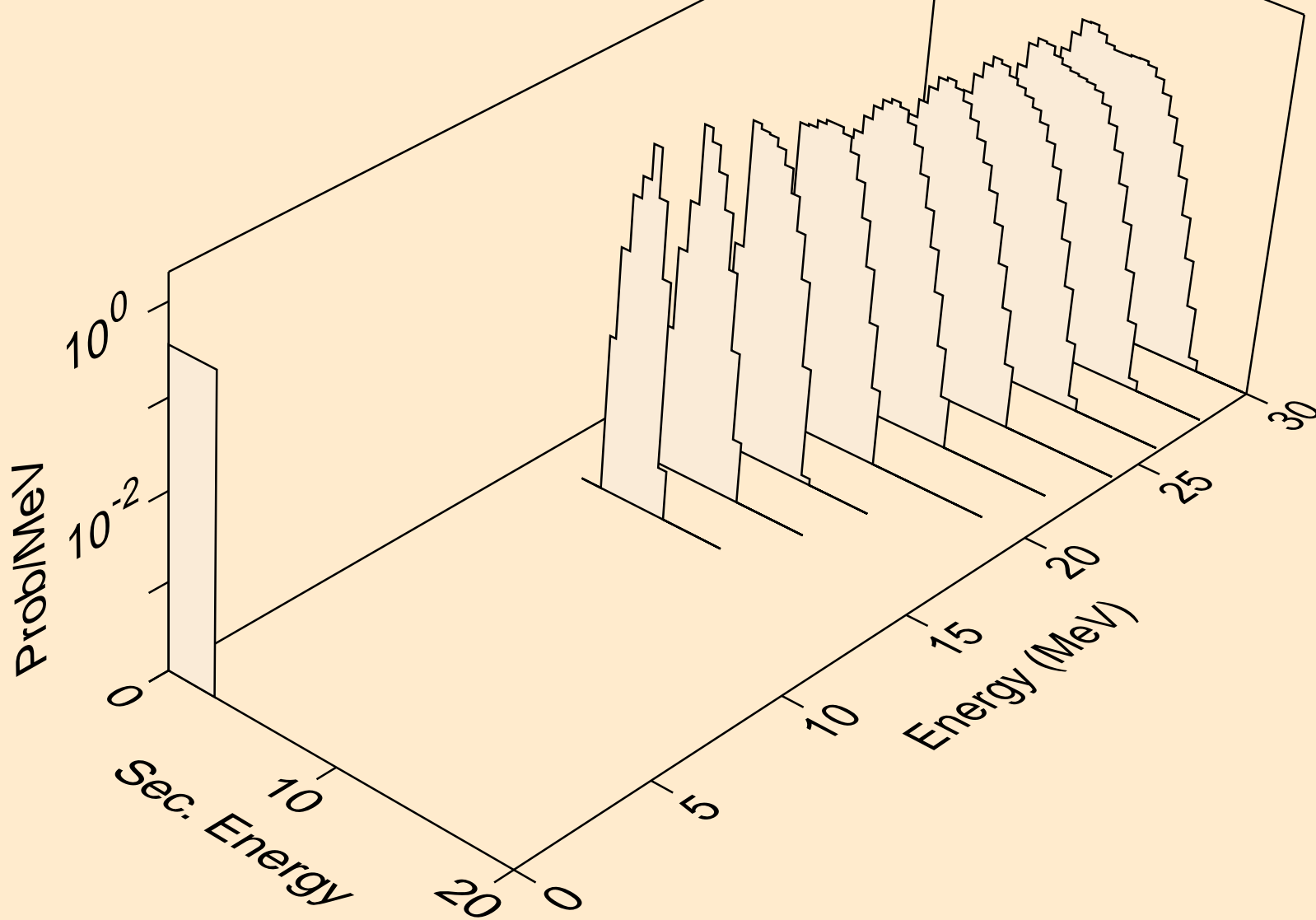
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alphas from (n,3a)



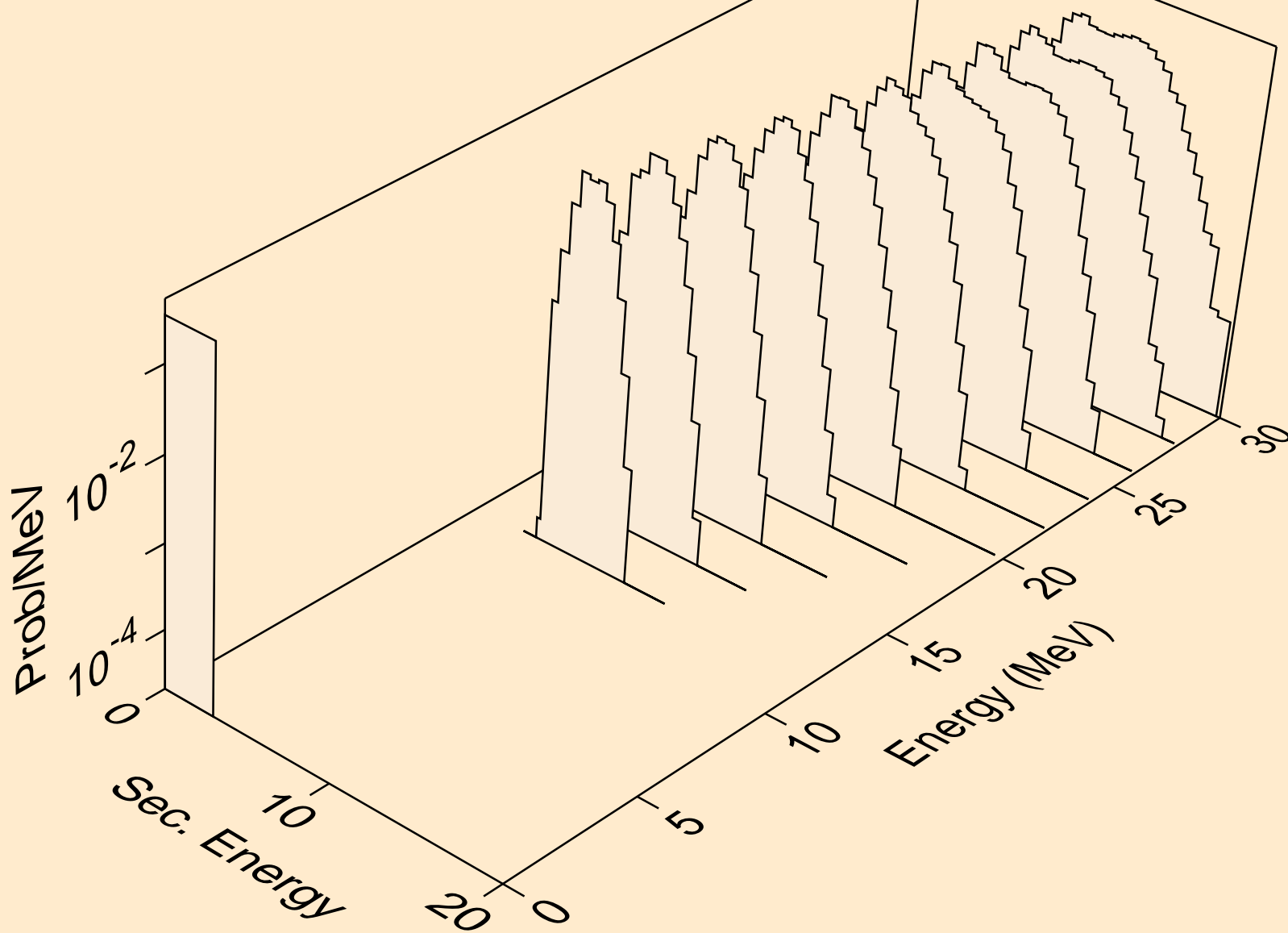
CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,t2a)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)



CS118 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

