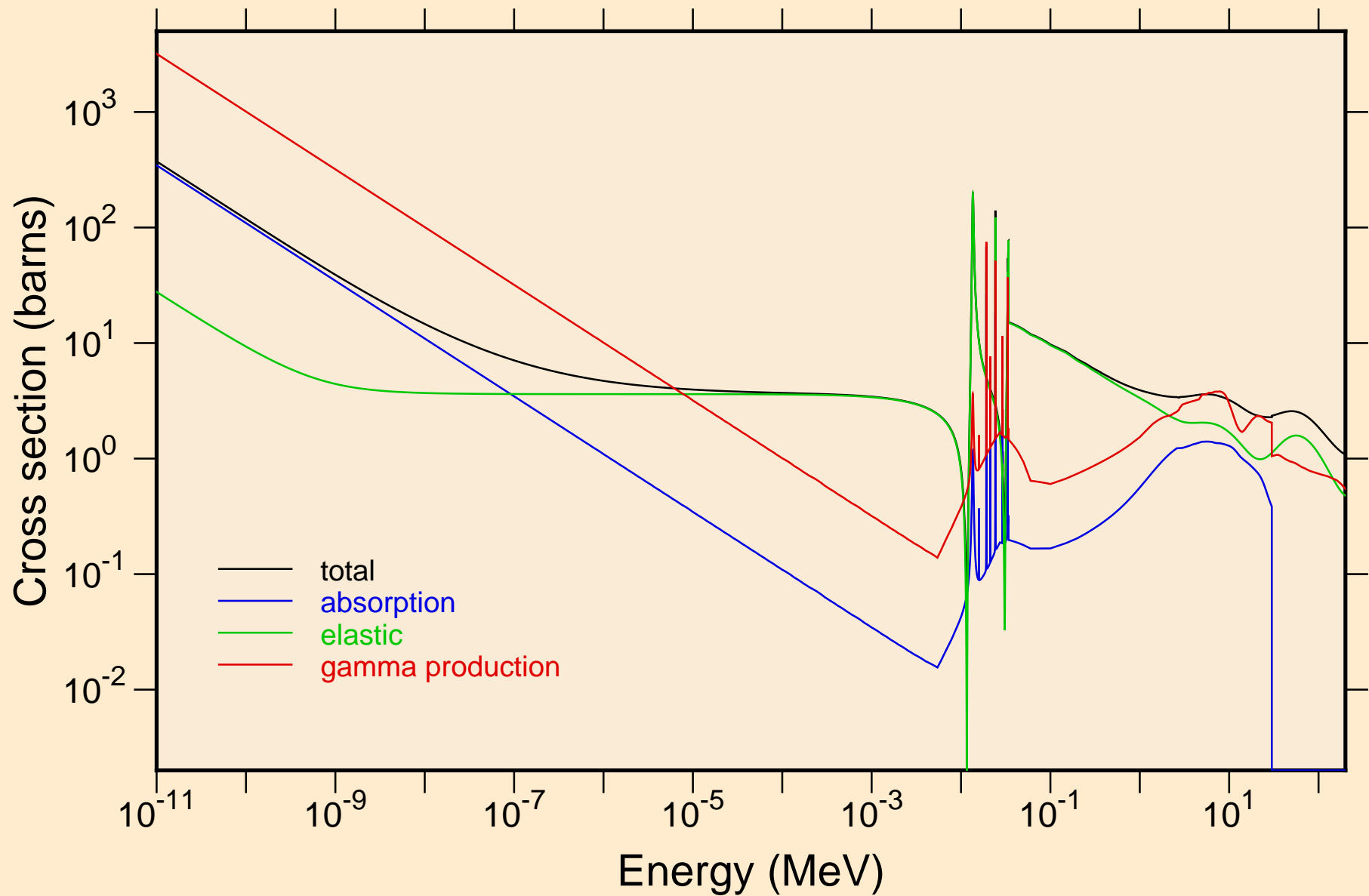
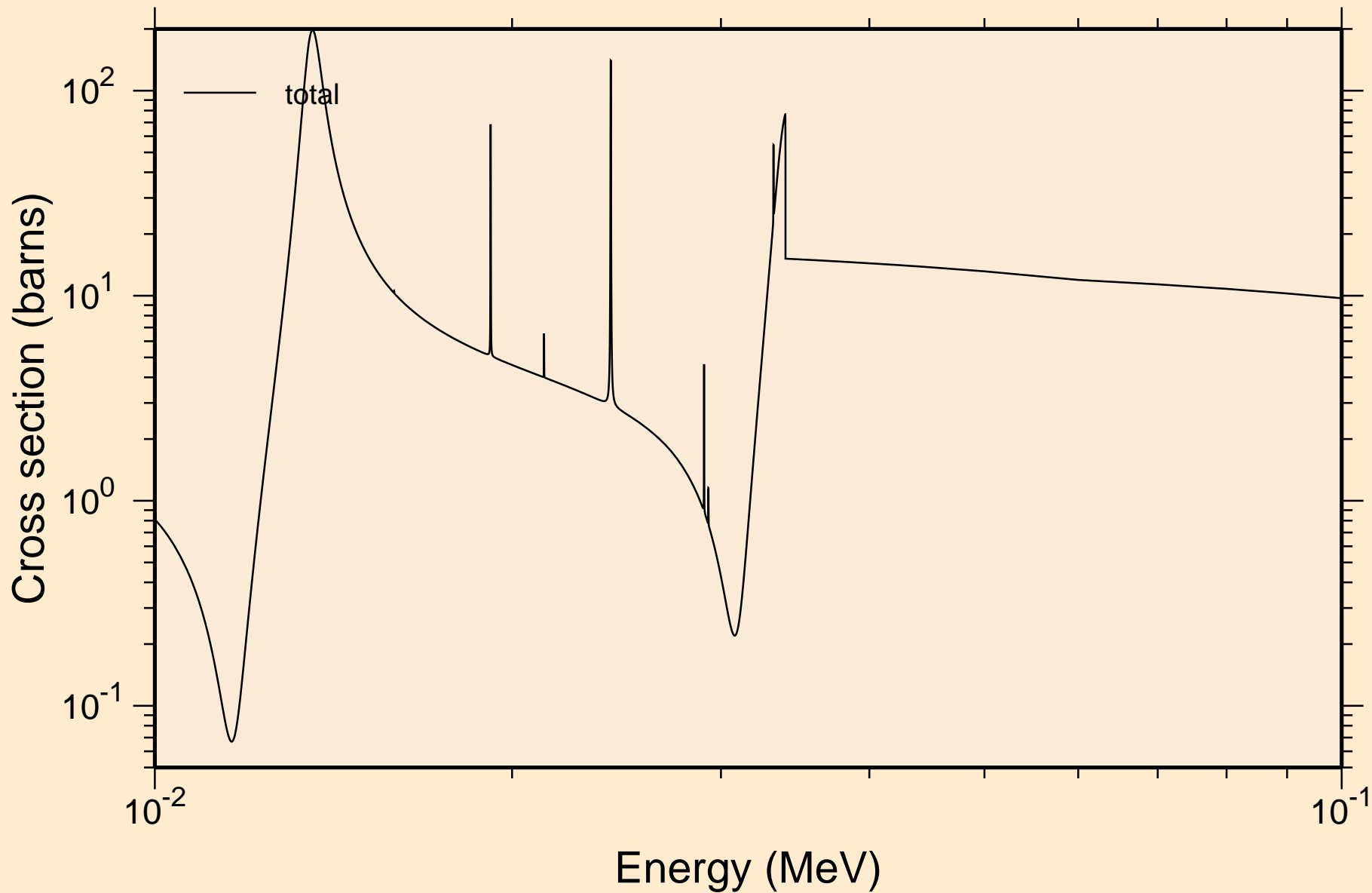


# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

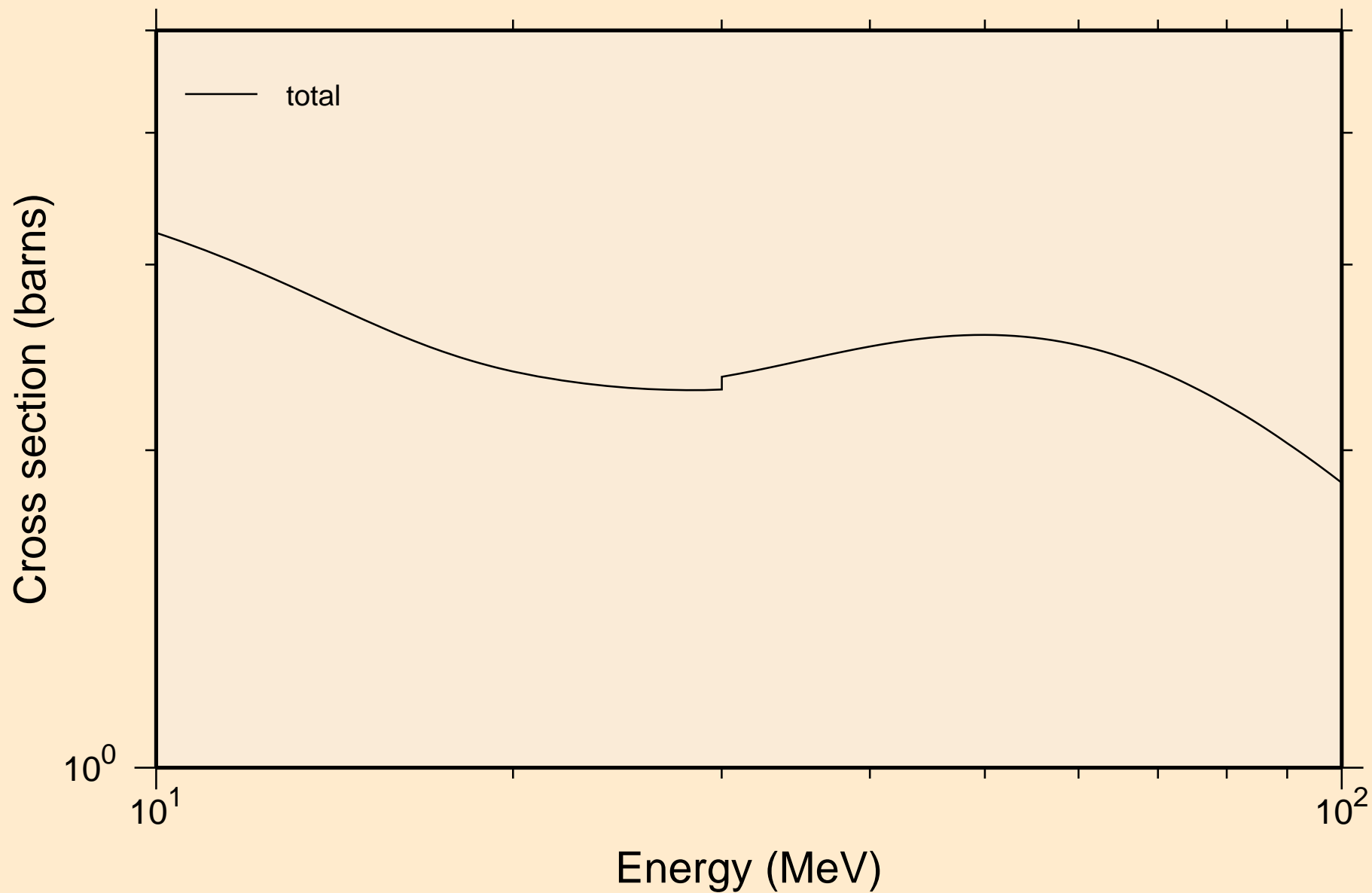
## Principal cross sections



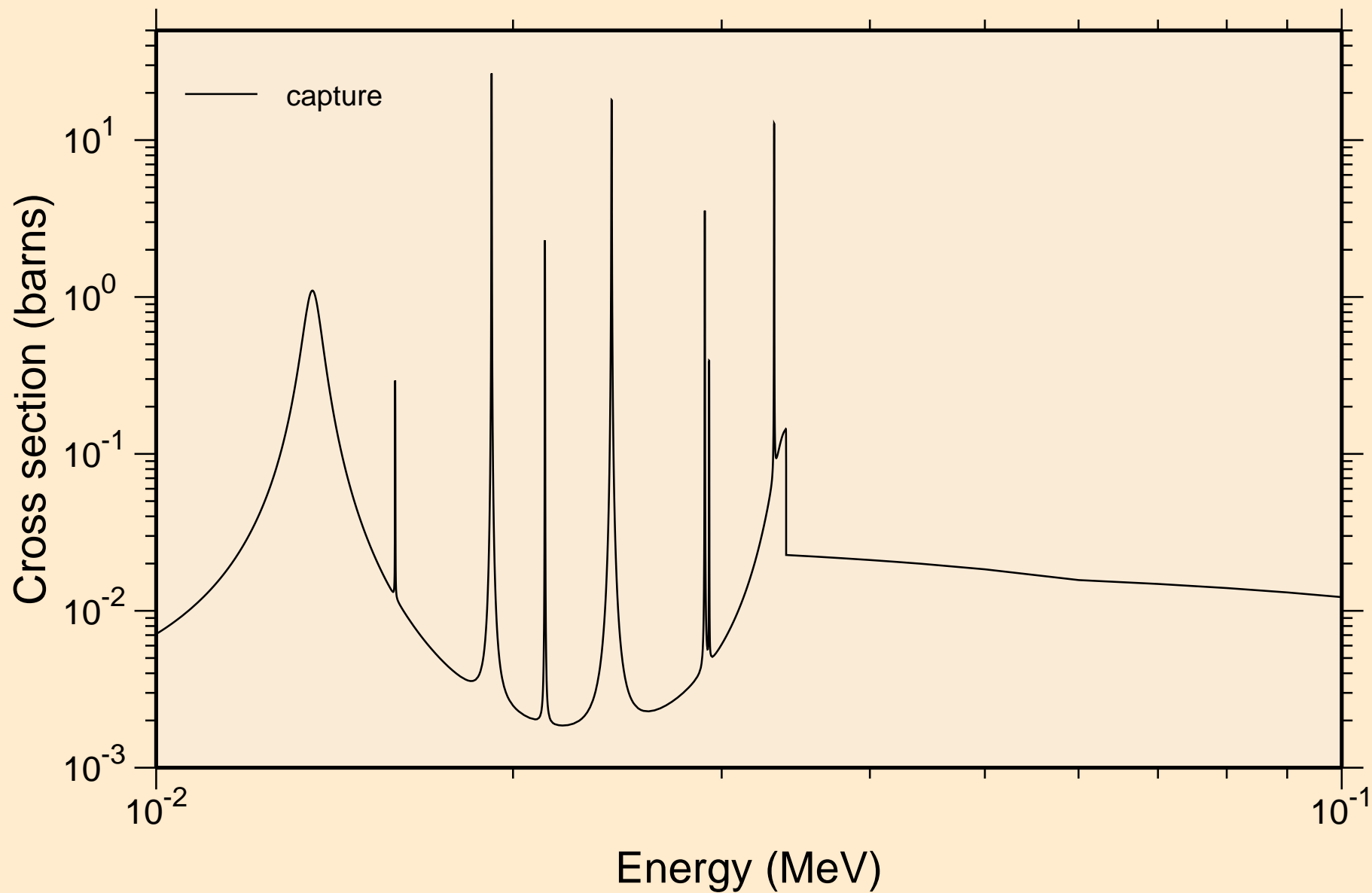
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resonance total cross section



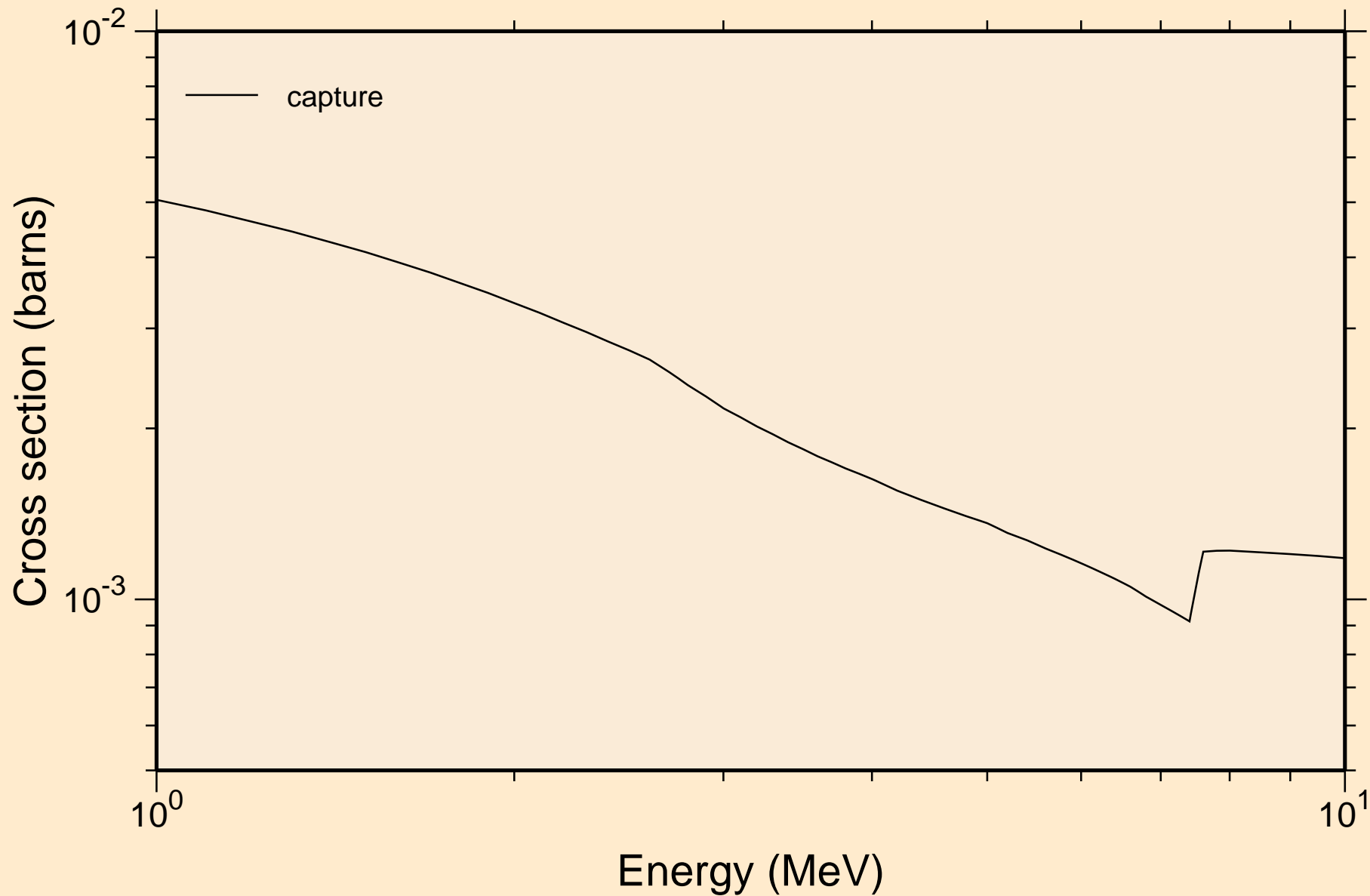
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resonance total cross section



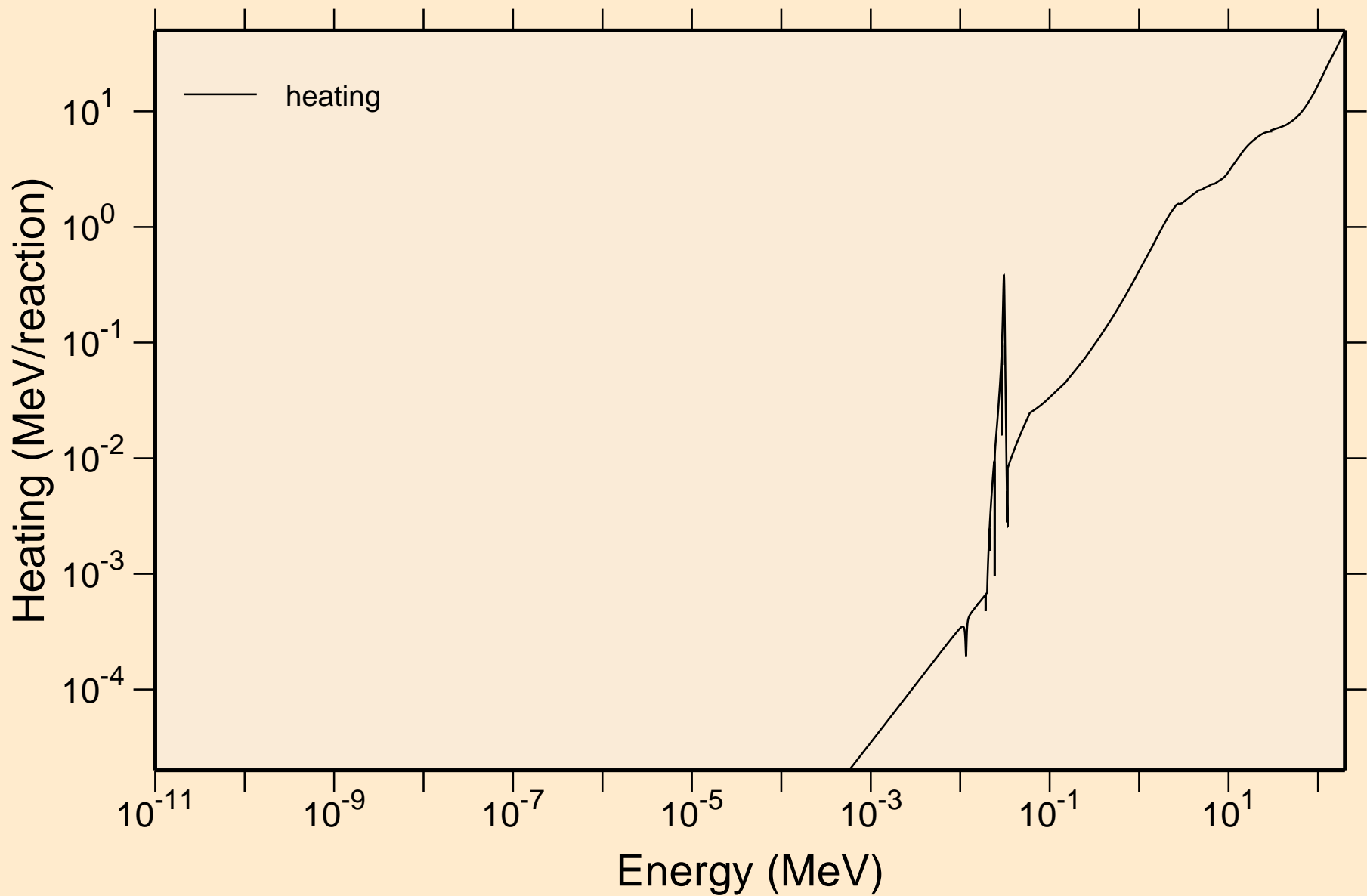
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



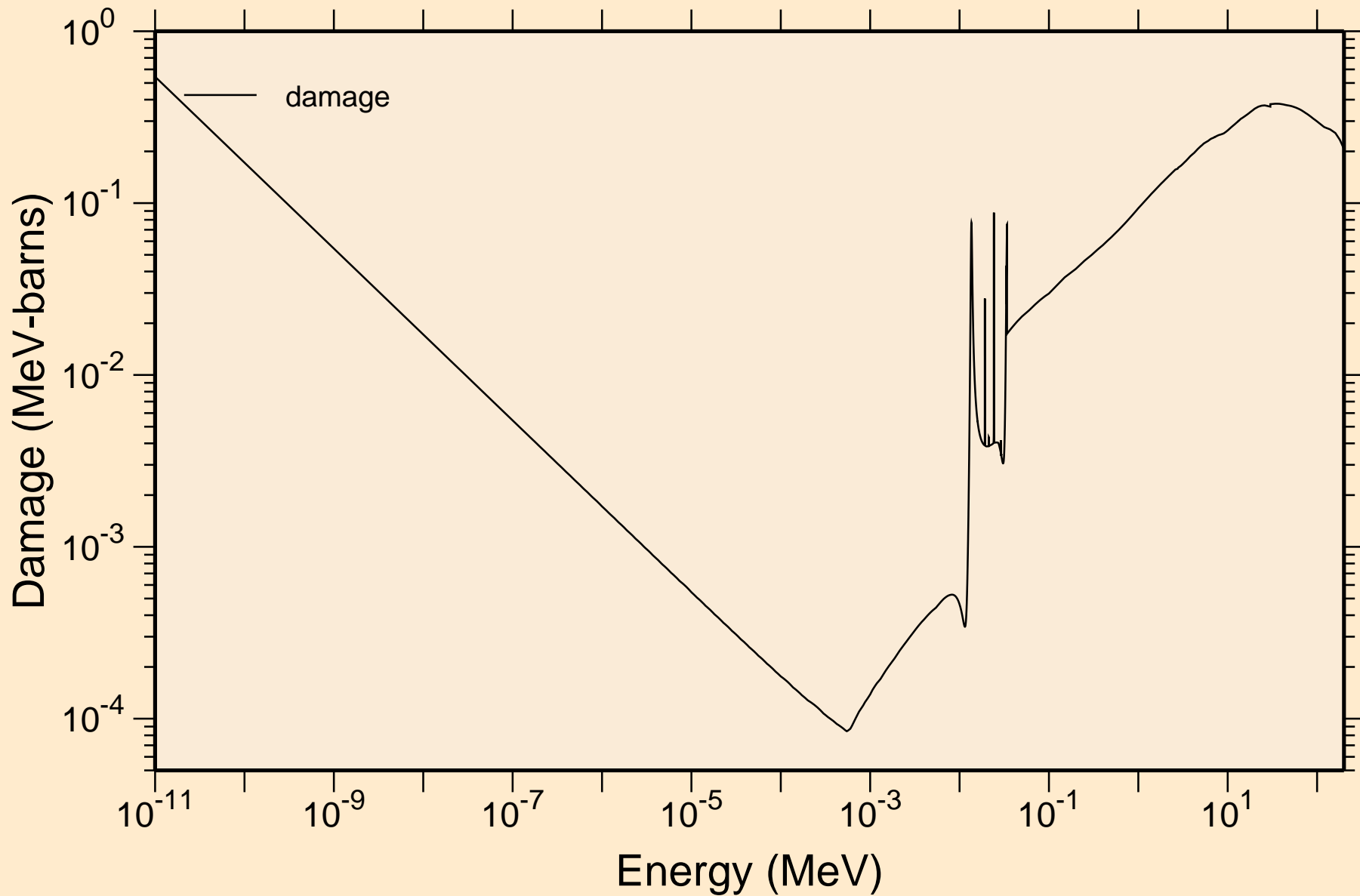
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

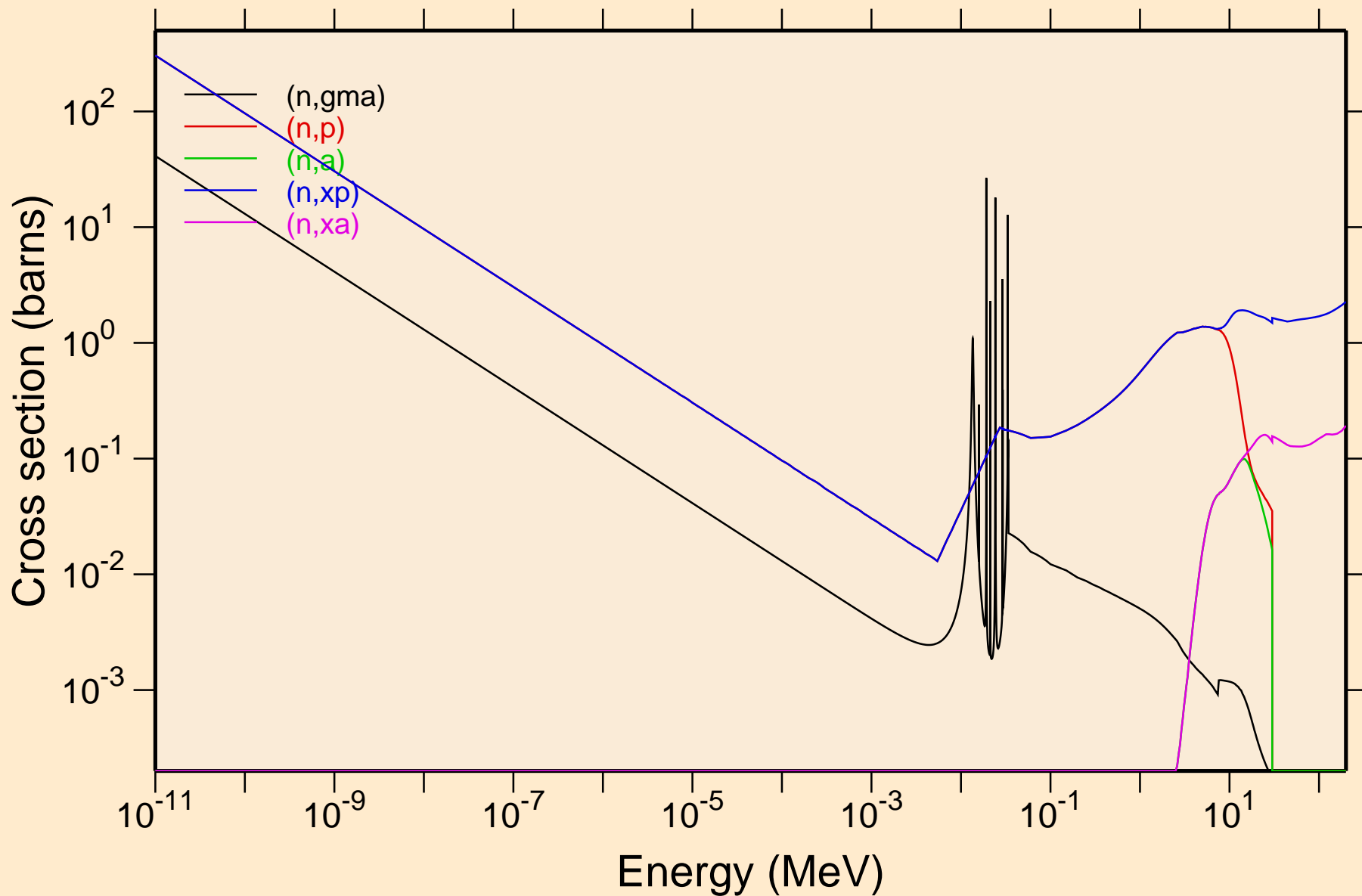


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

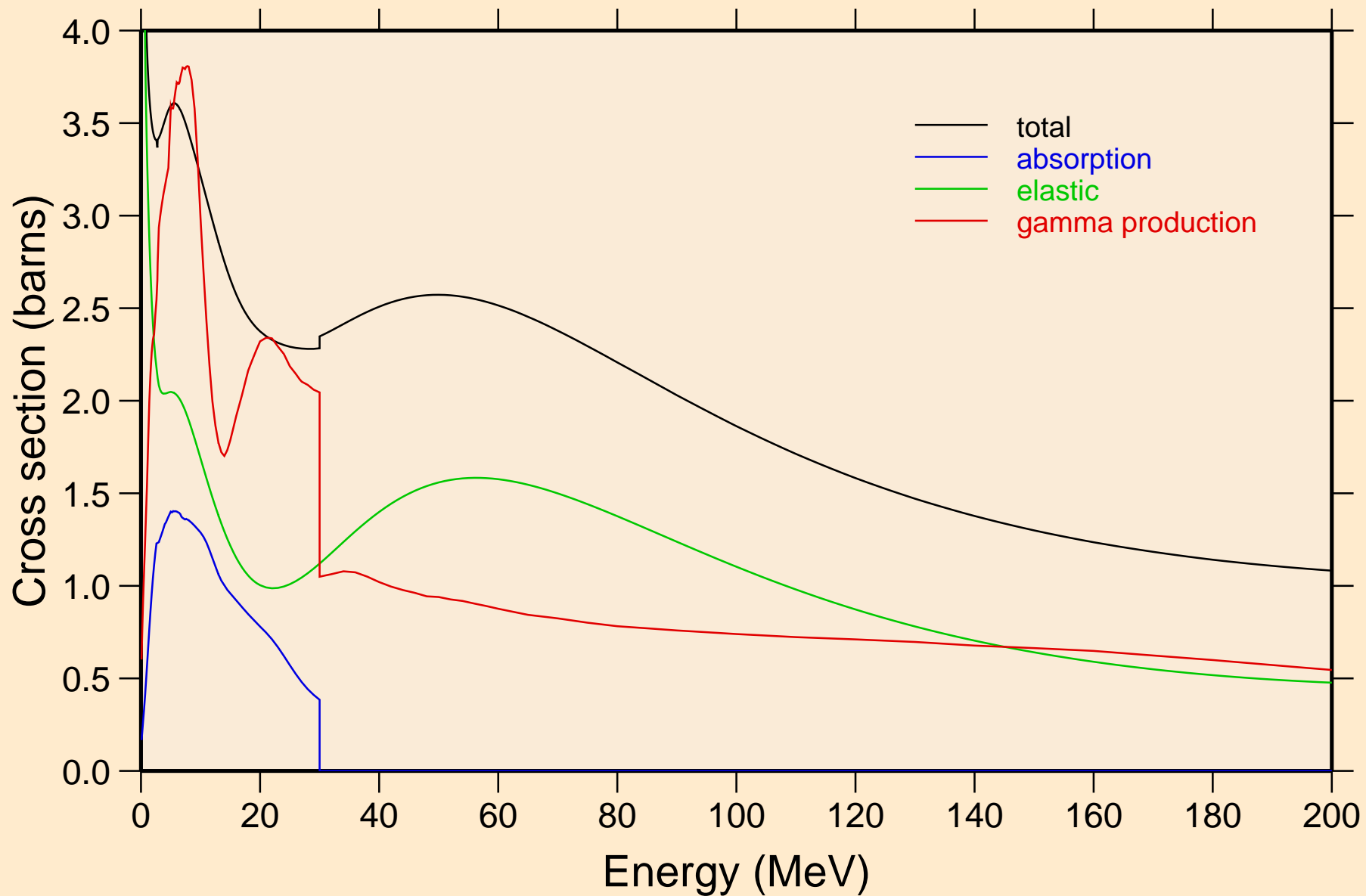
## Non-threshold reactions



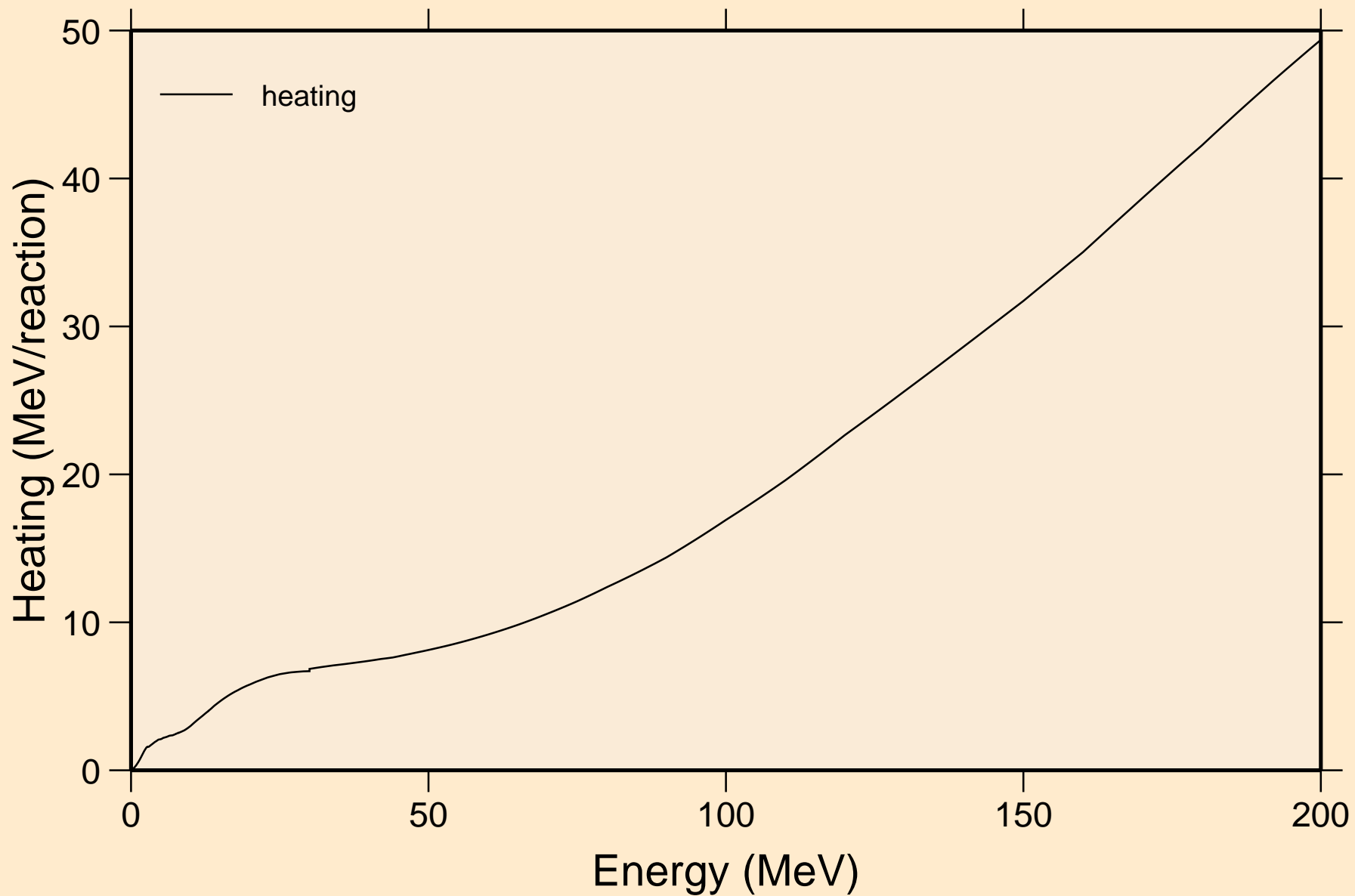


# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

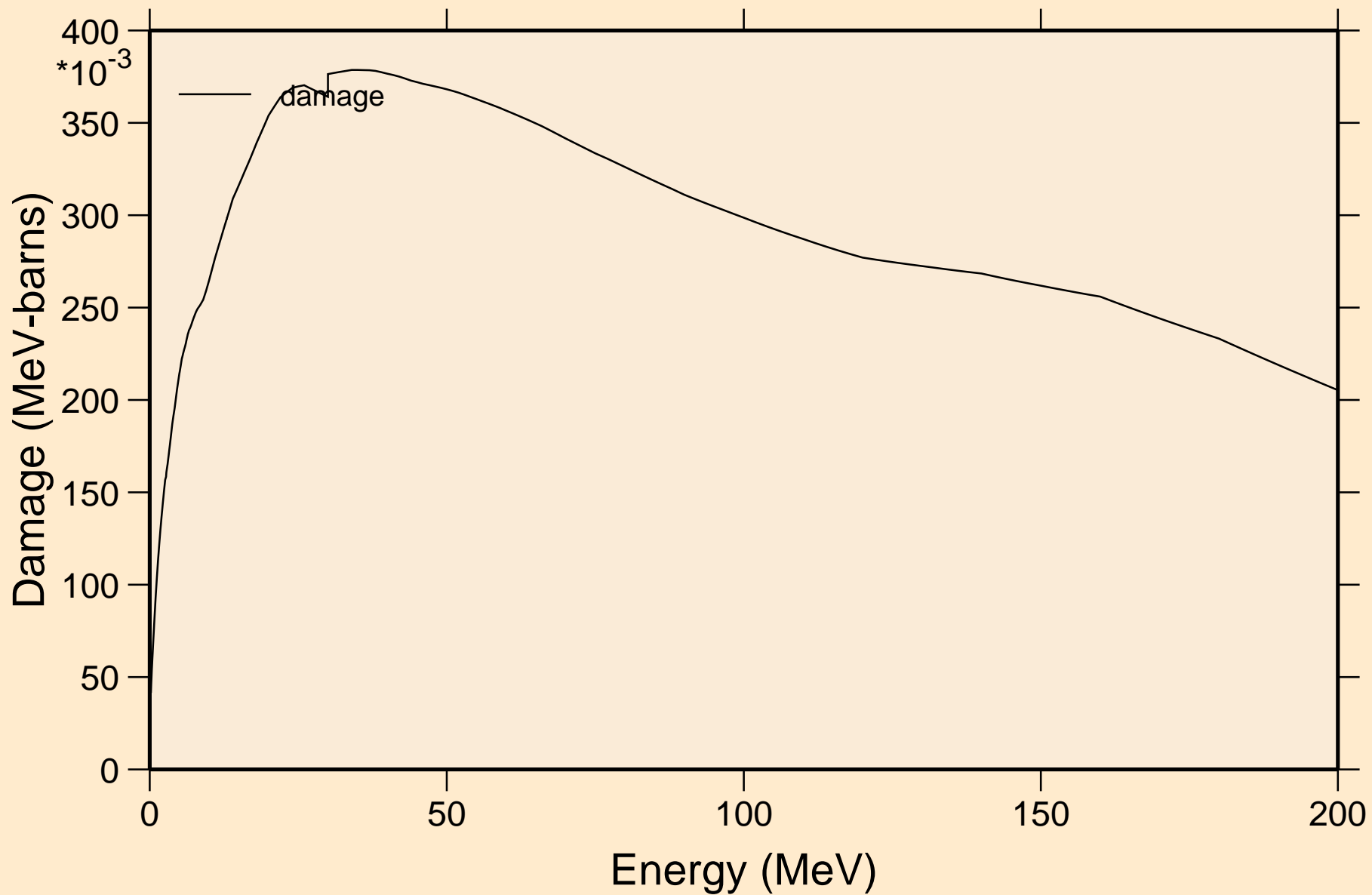
## Principal cross sections



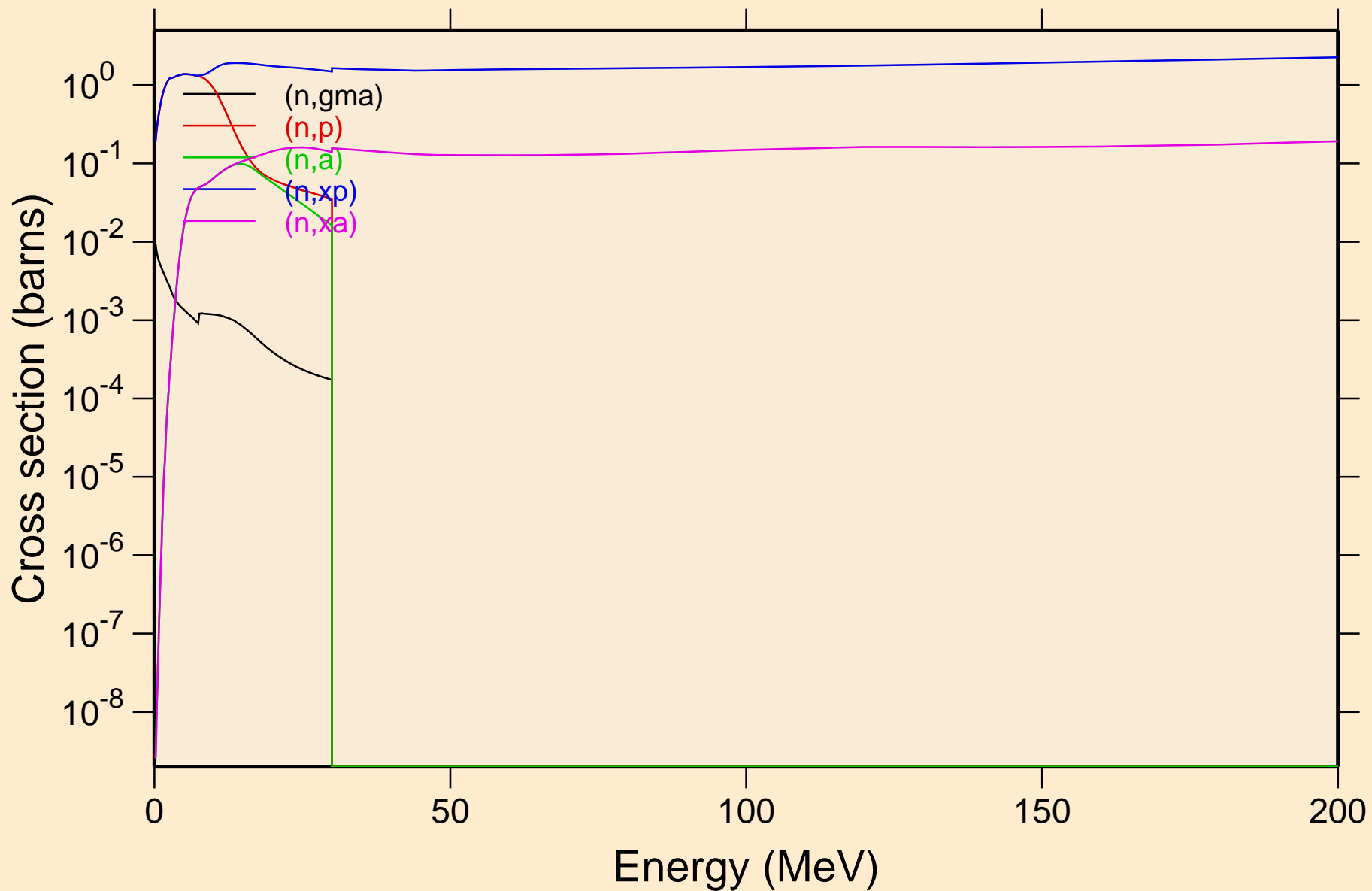
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



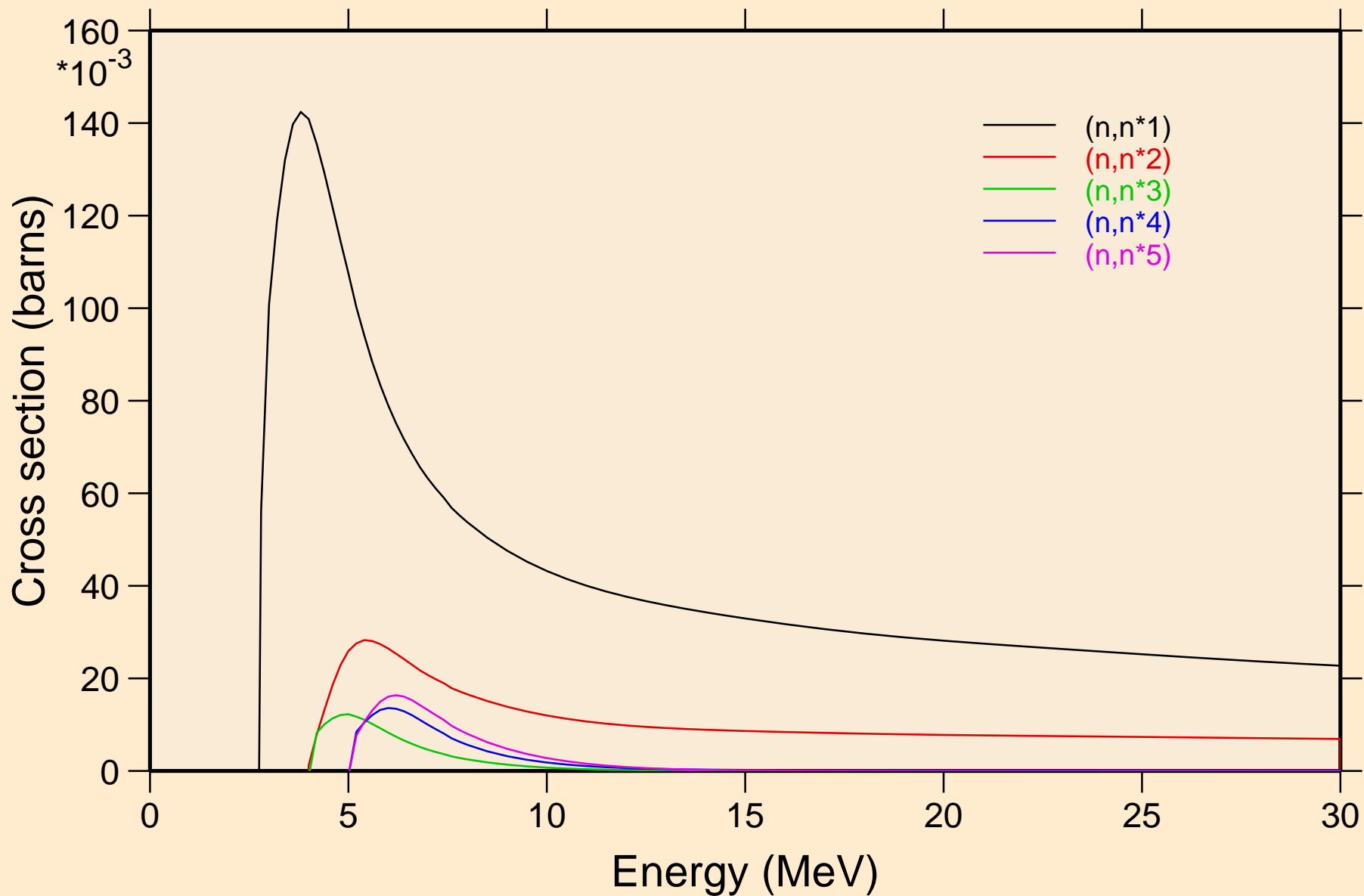
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Damage



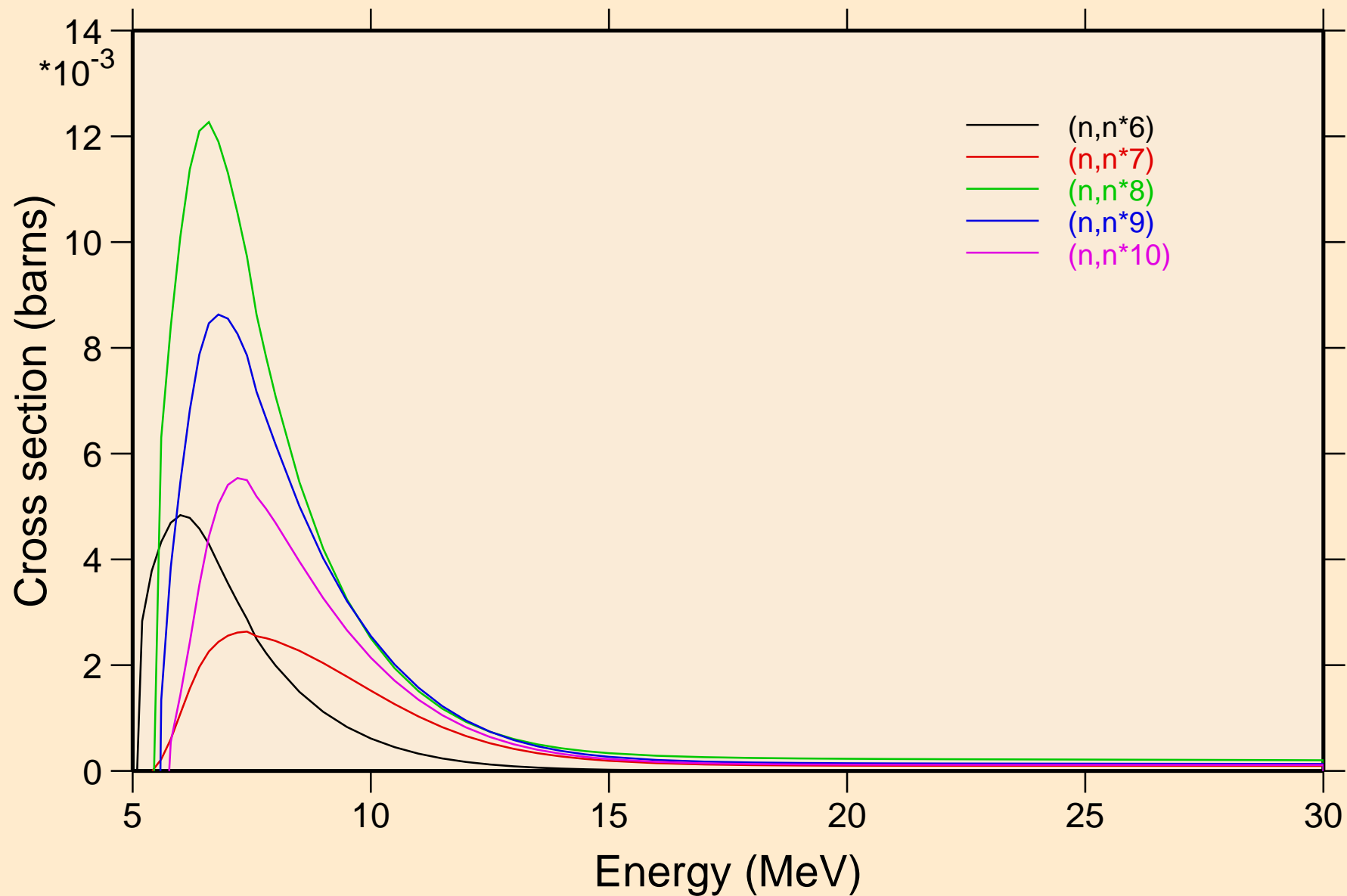
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Non-threshold reactions



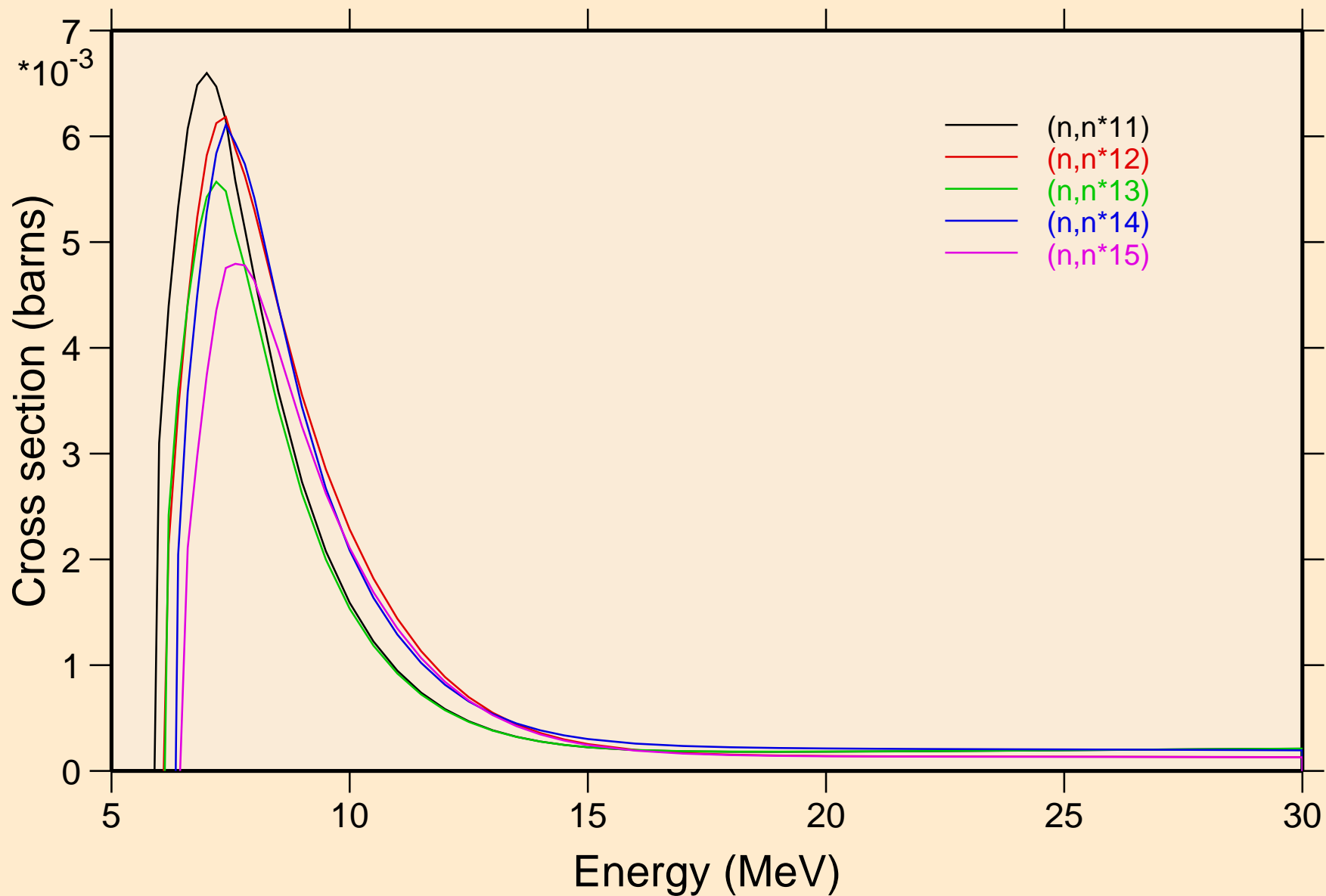
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Inelastic levels



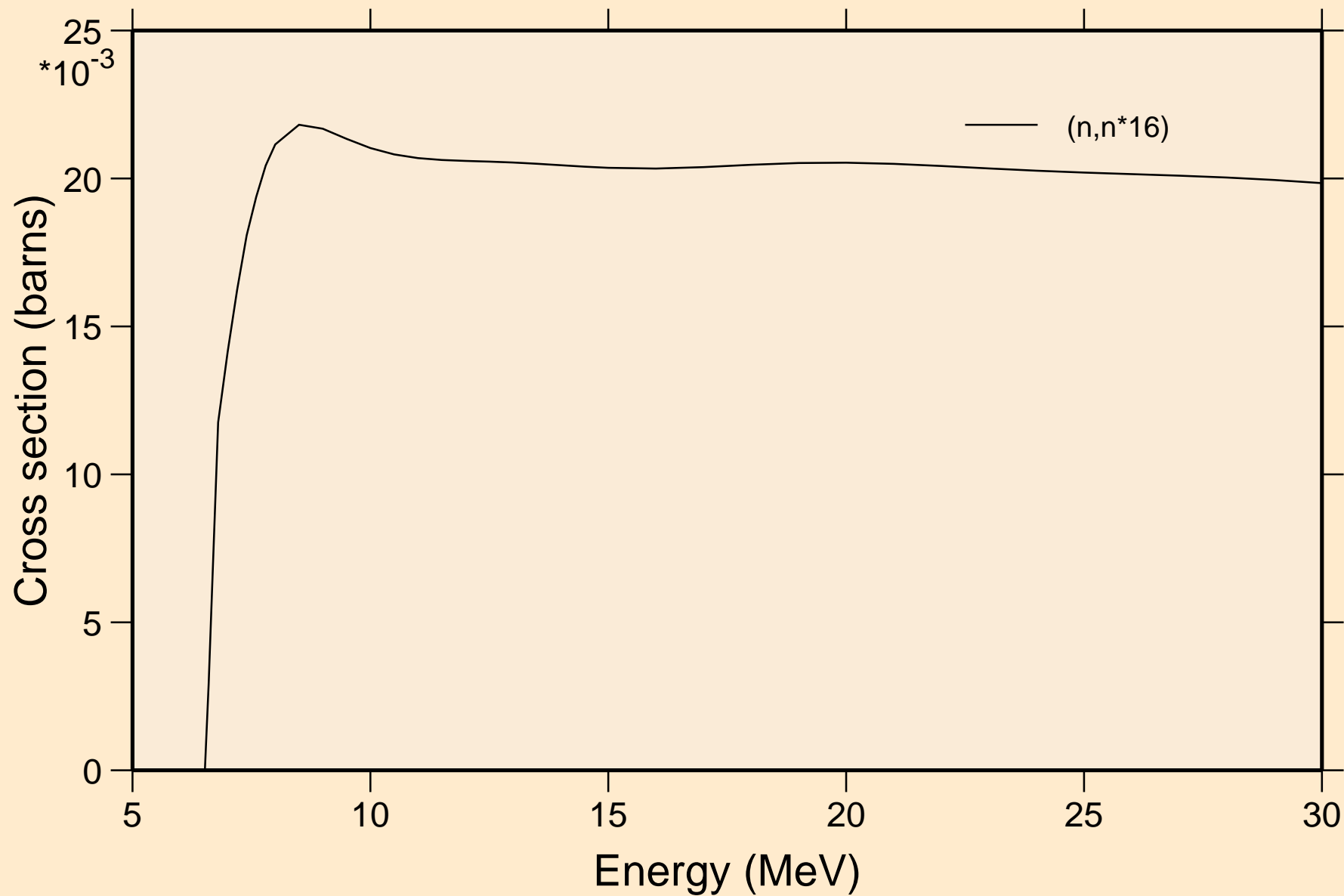
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

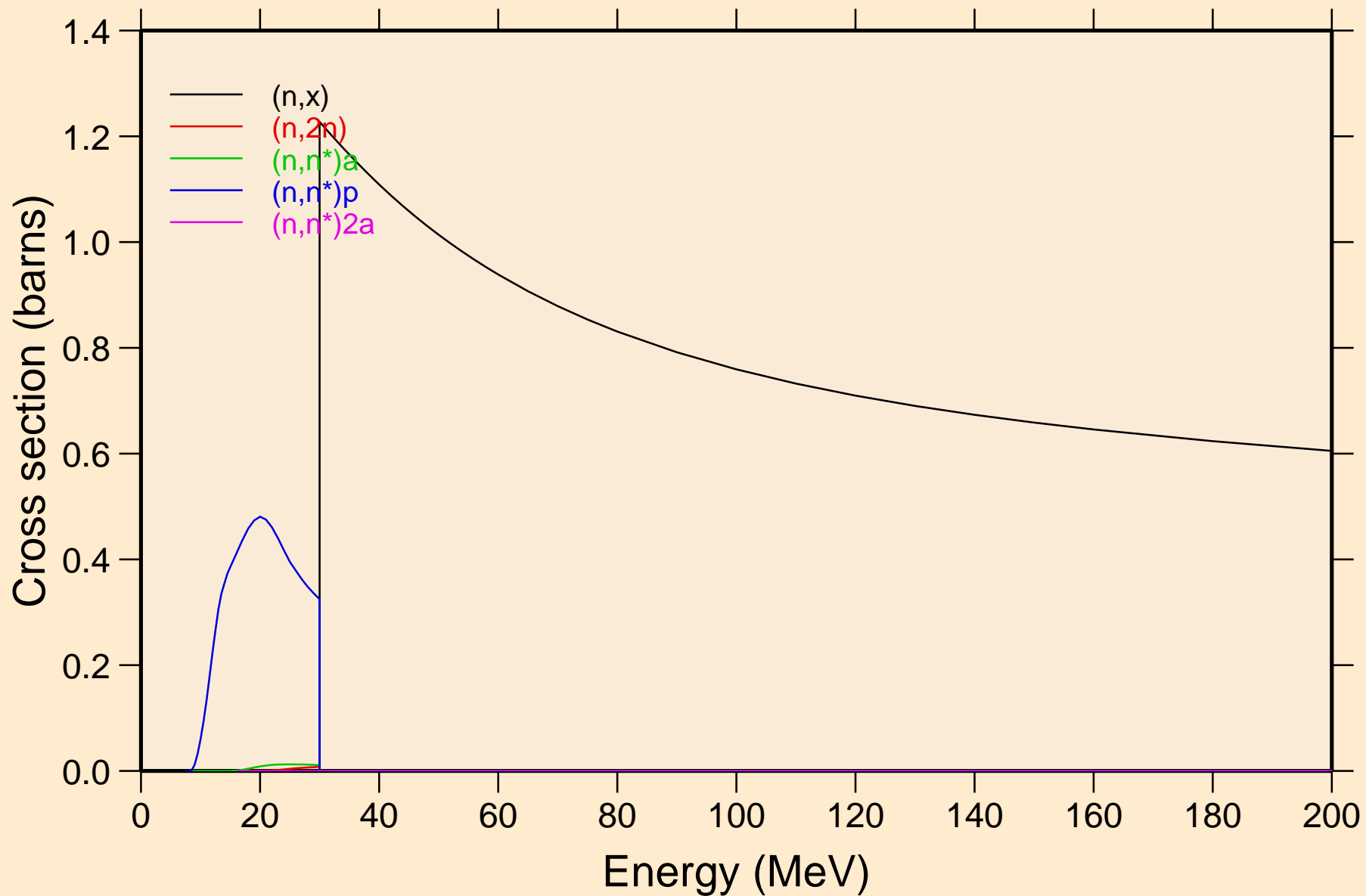


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



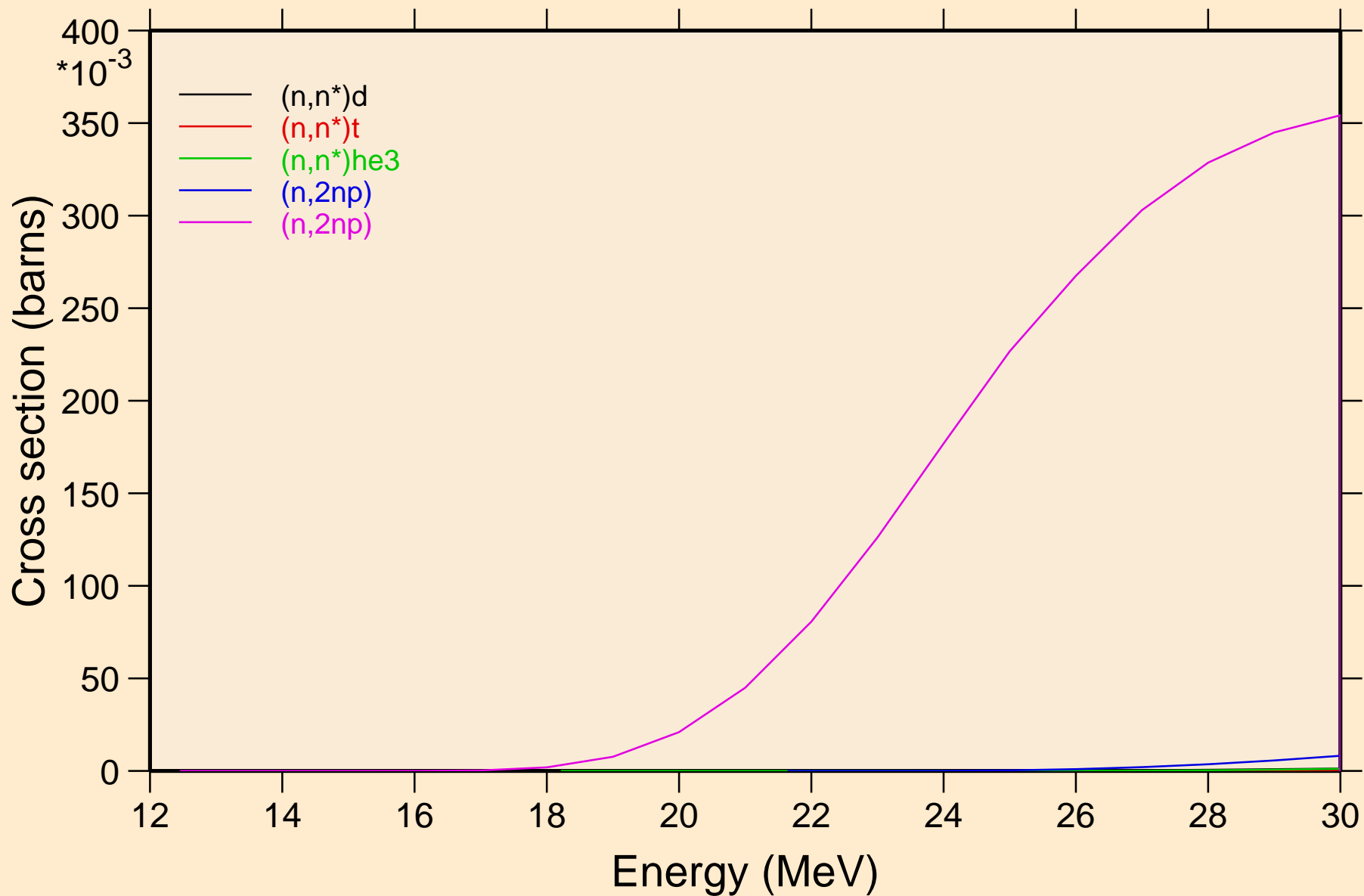


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



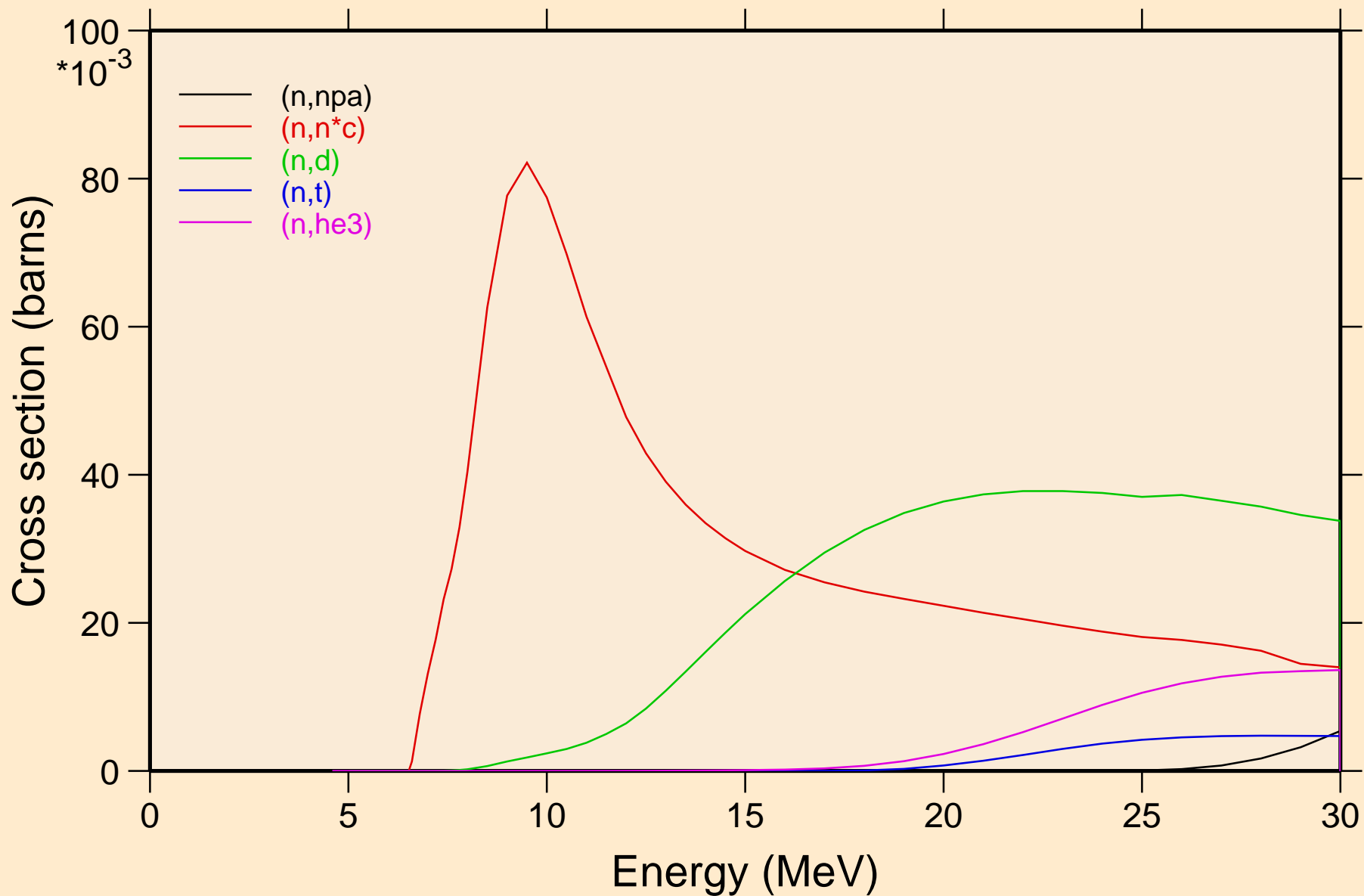
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## Threshold reactions

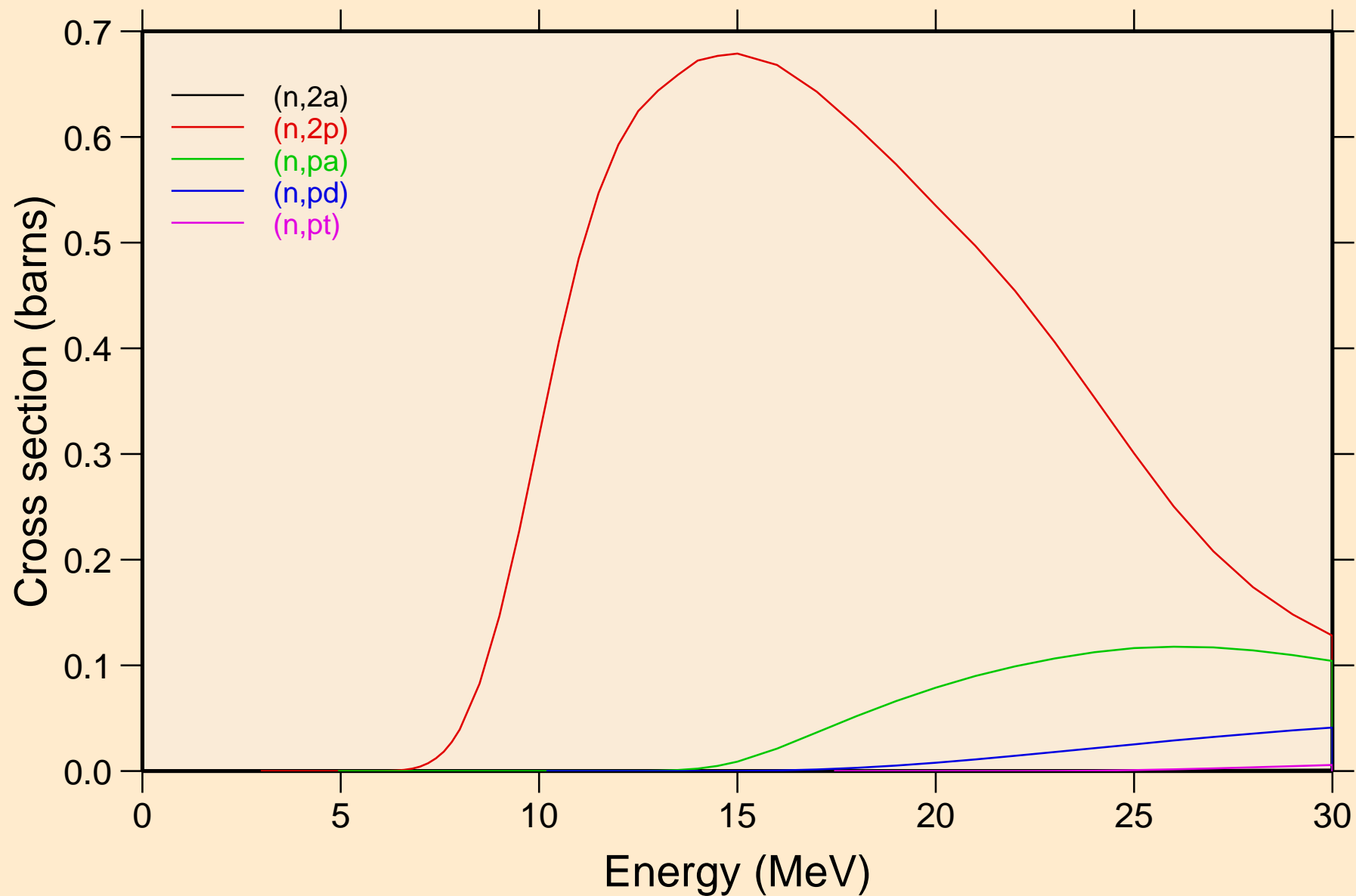


# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

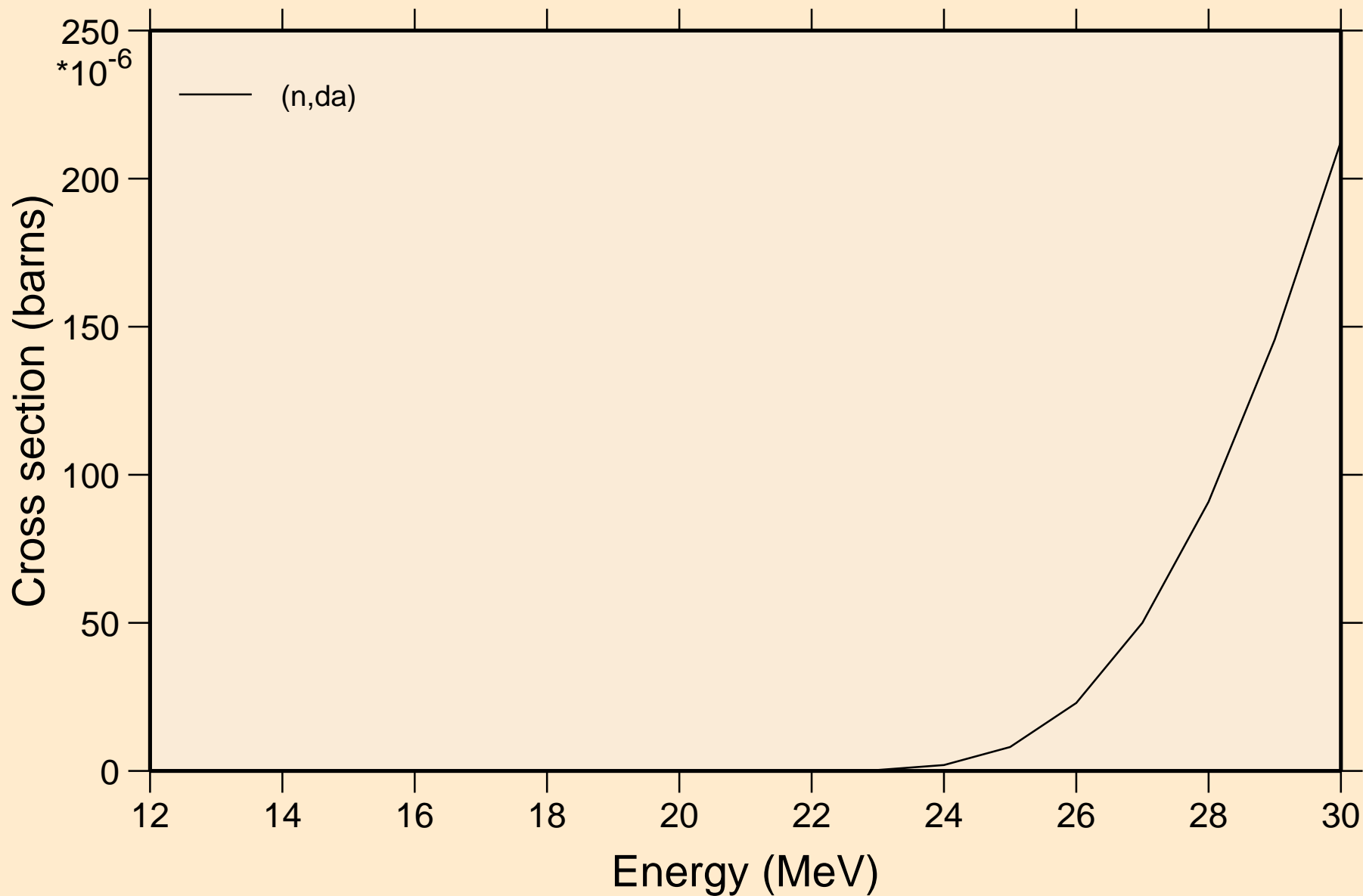
## Threshold reactions



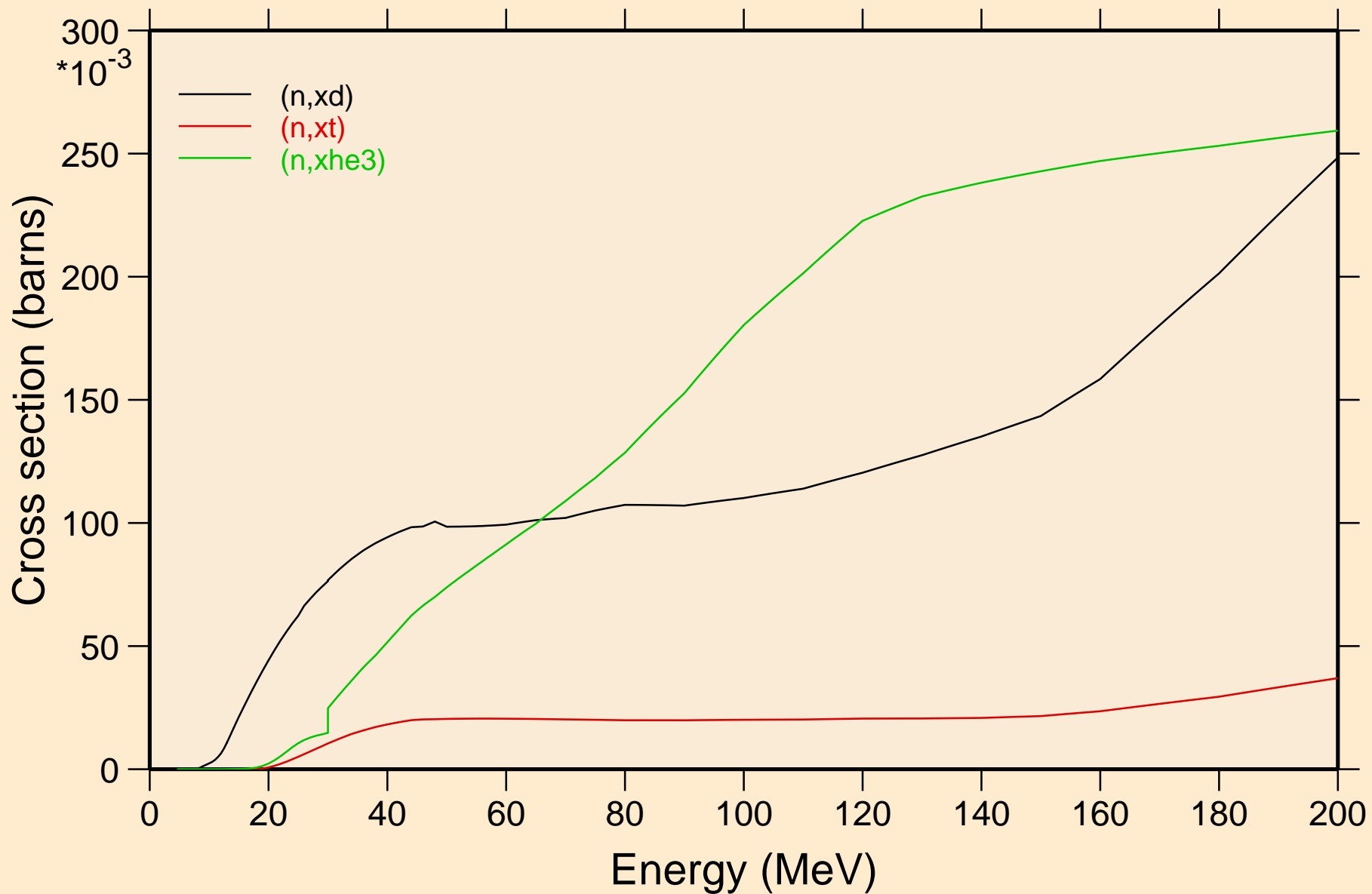
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



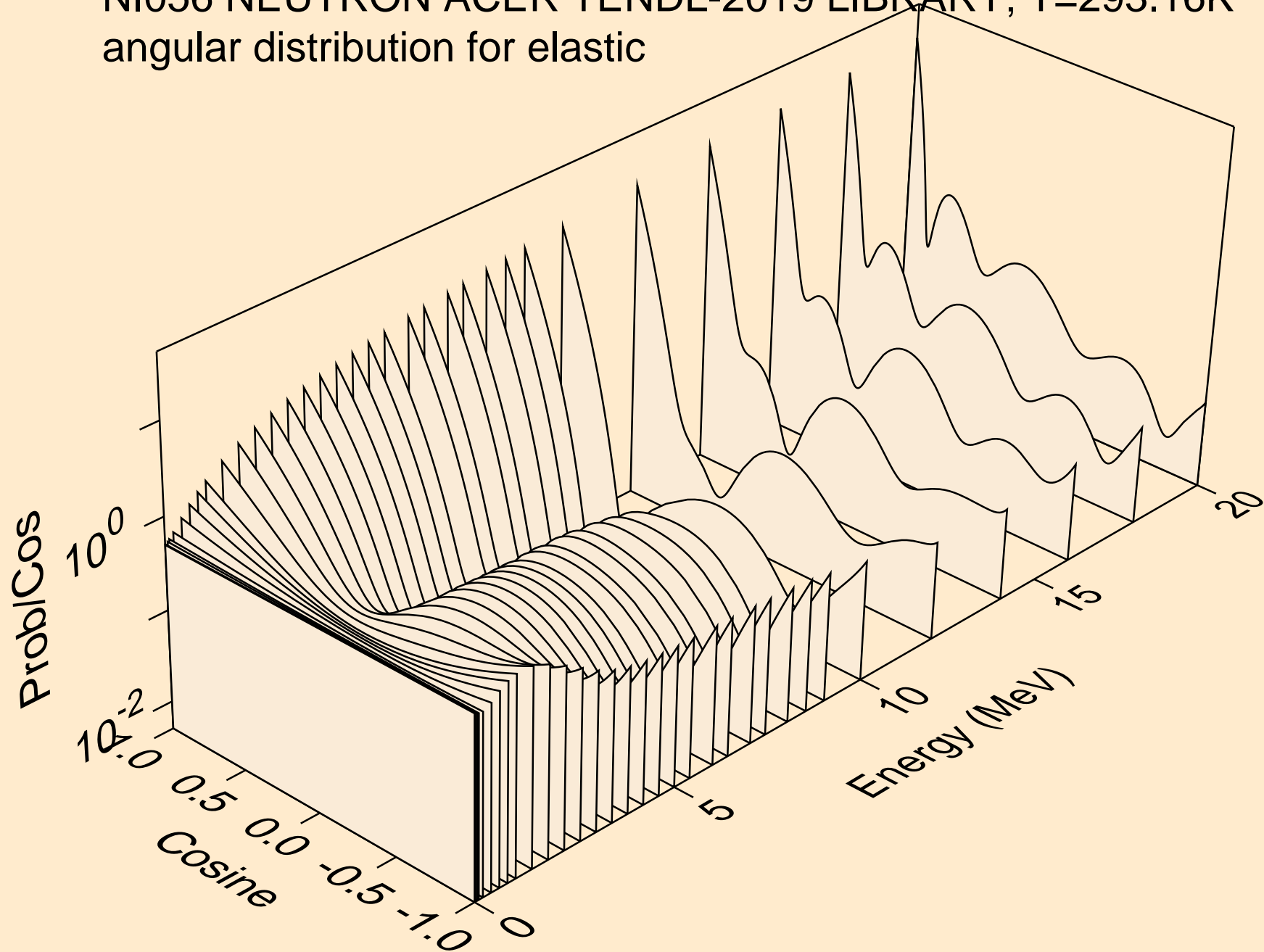
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Threshold reactions



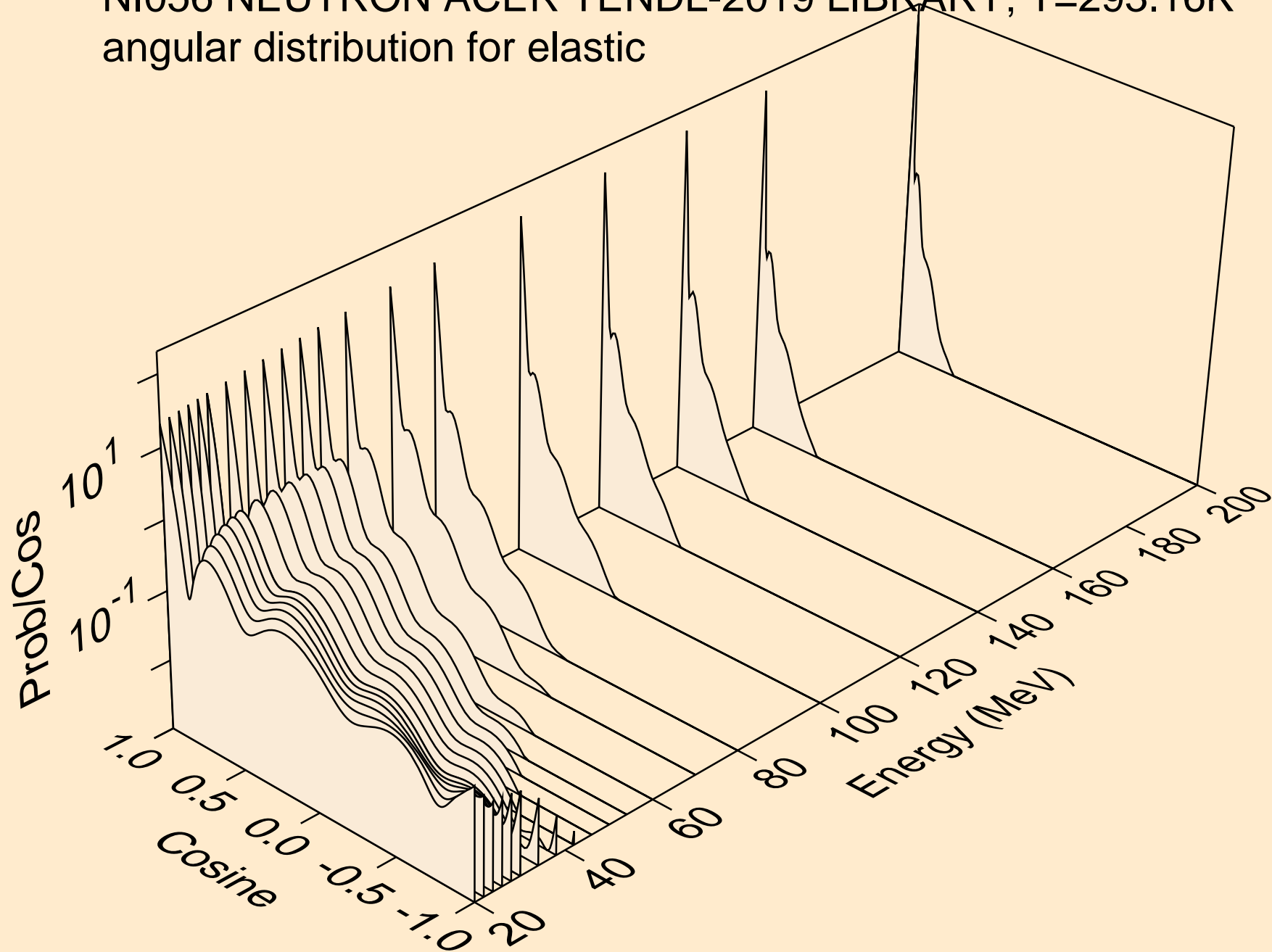
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

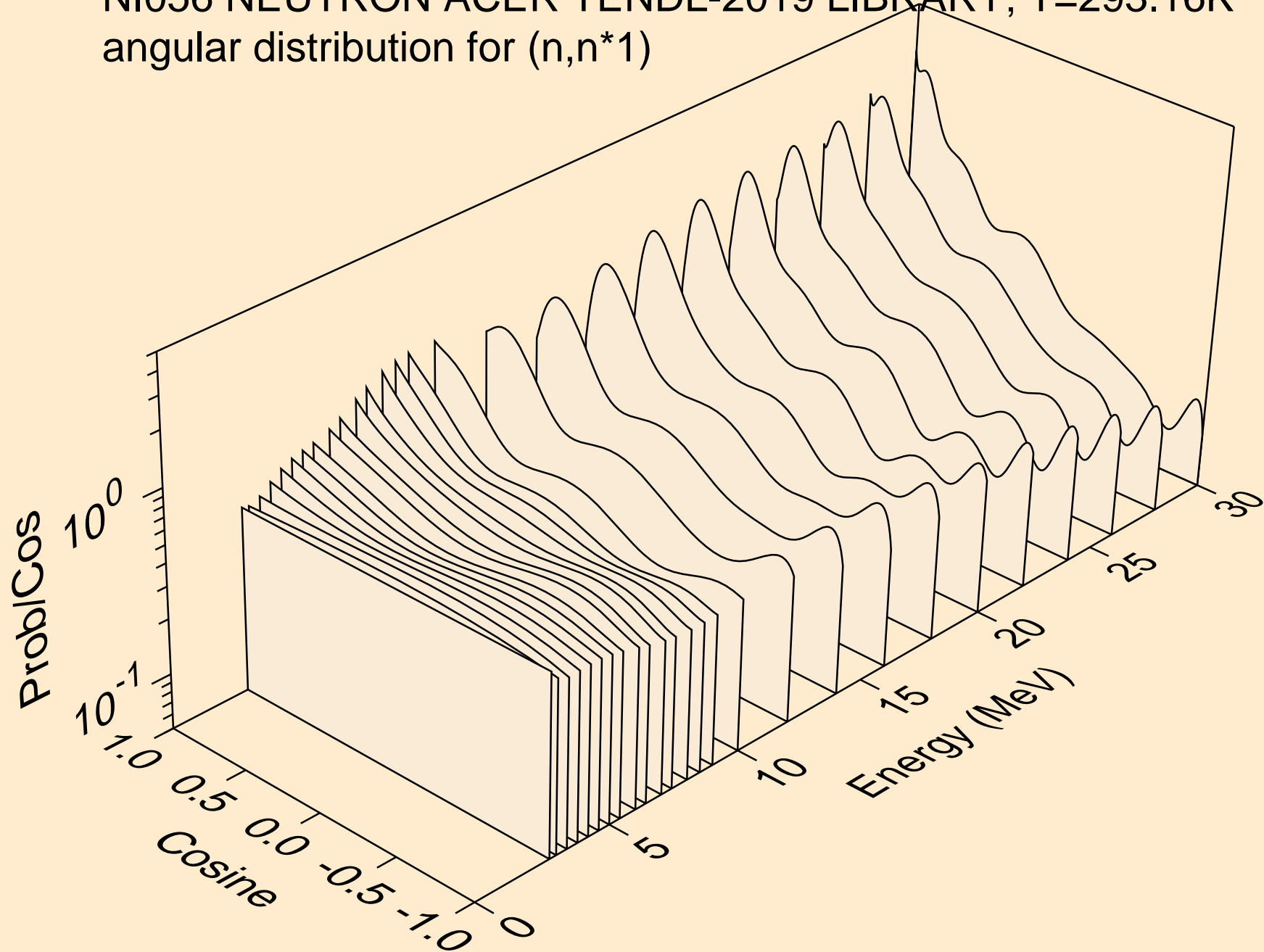


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angular distribution for elastic

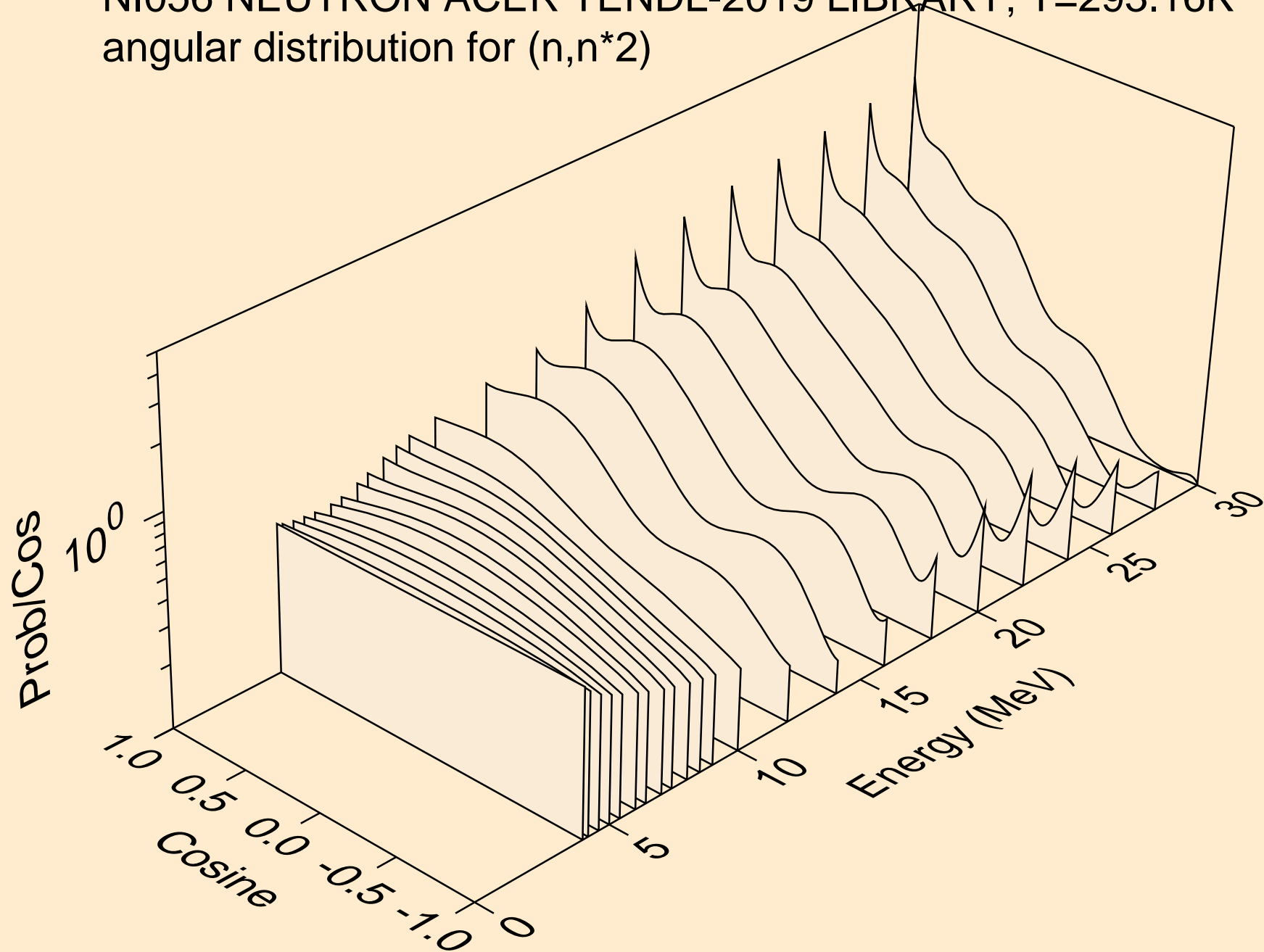




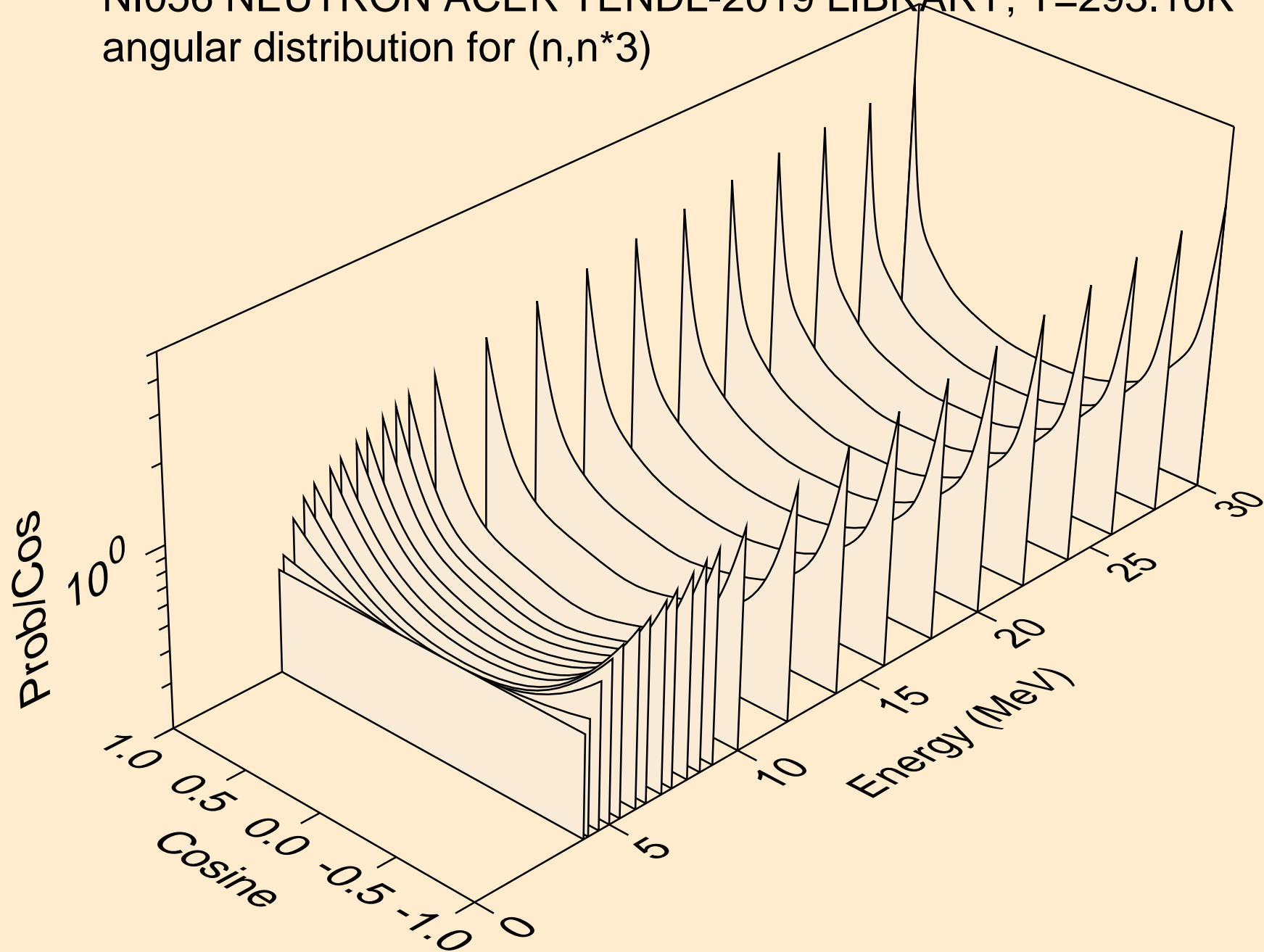
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angular distribution for (n,n\*1)



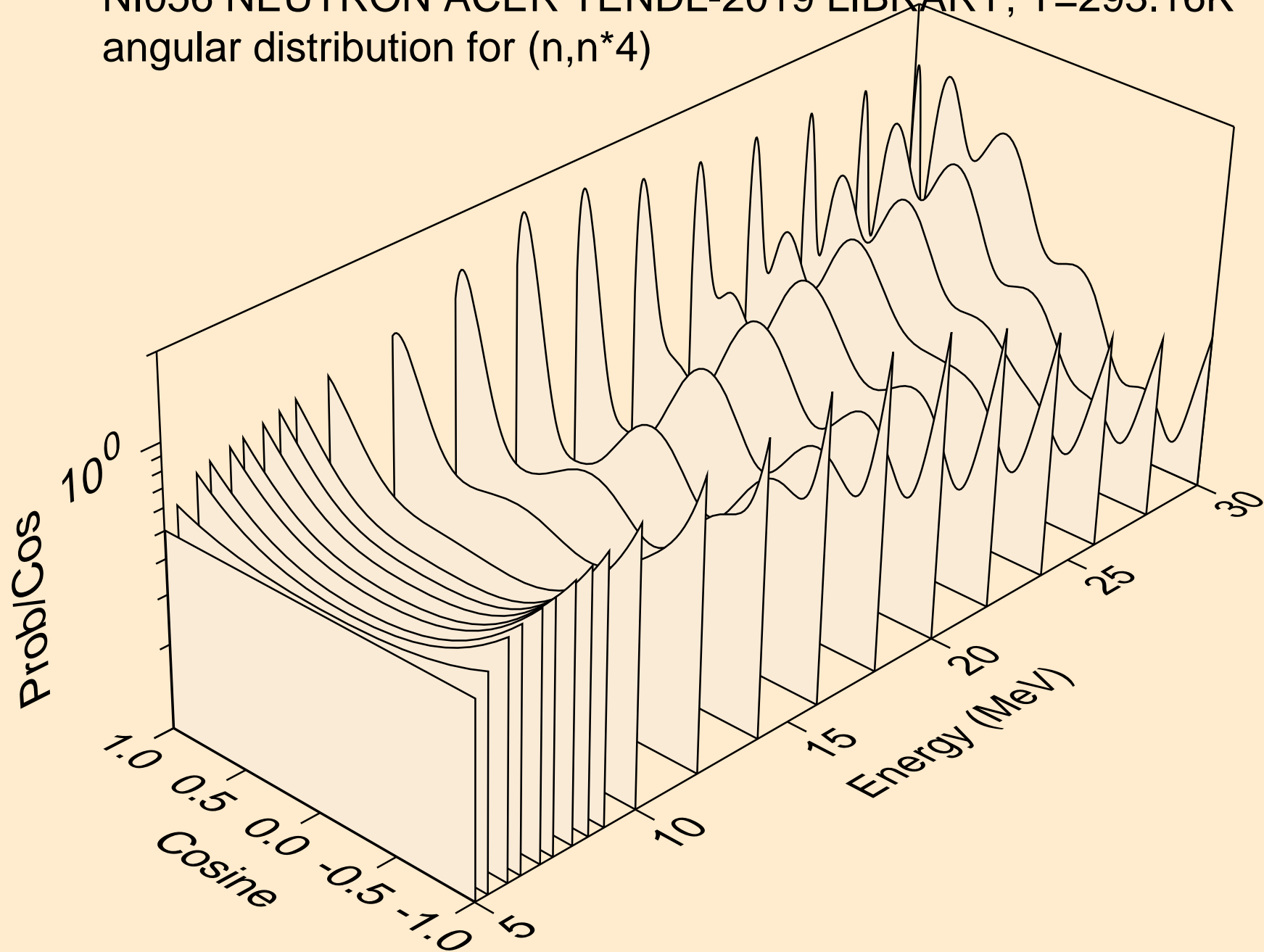
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angular distribution for (n,n\*2)



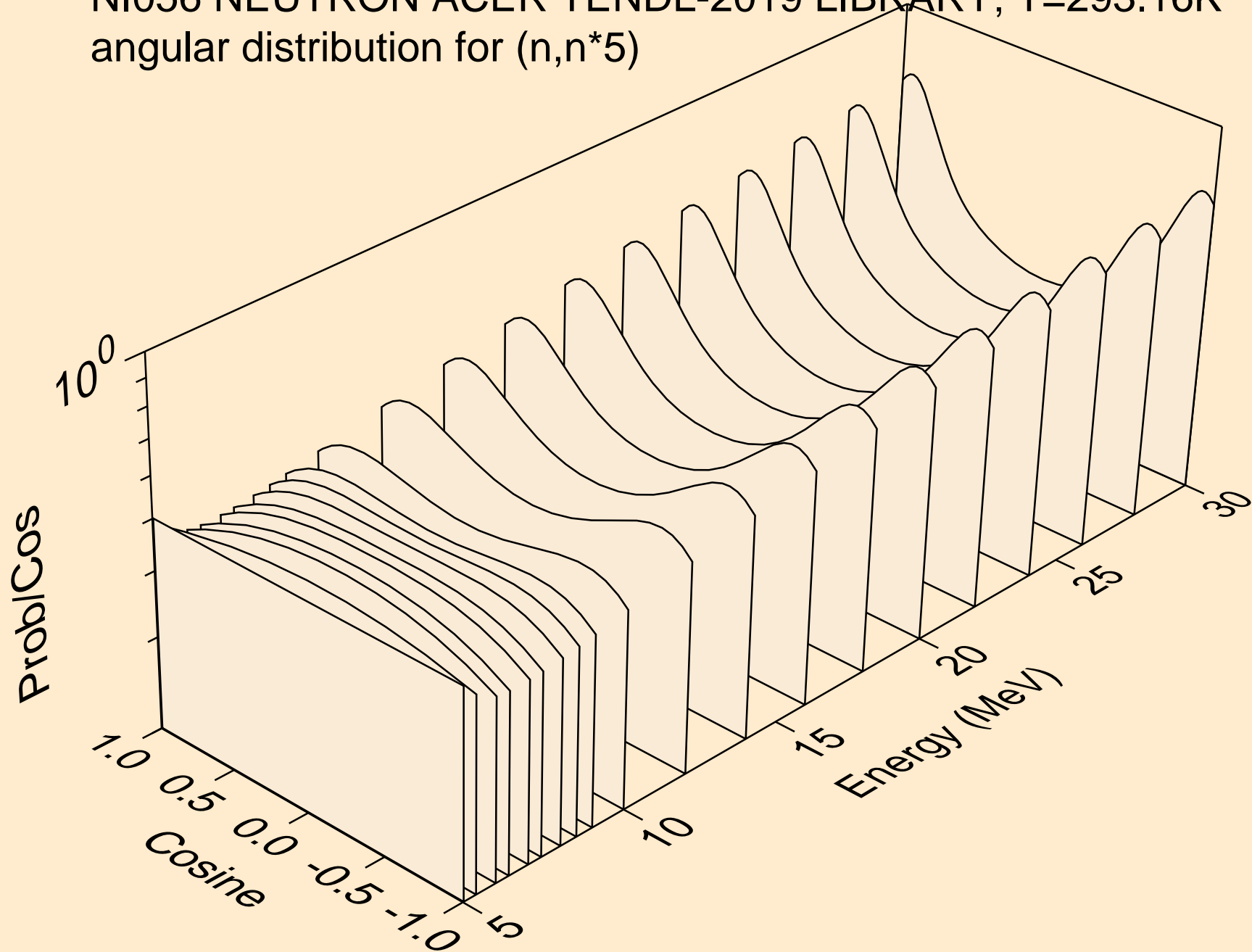
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angular distribution for (n,n\*3)



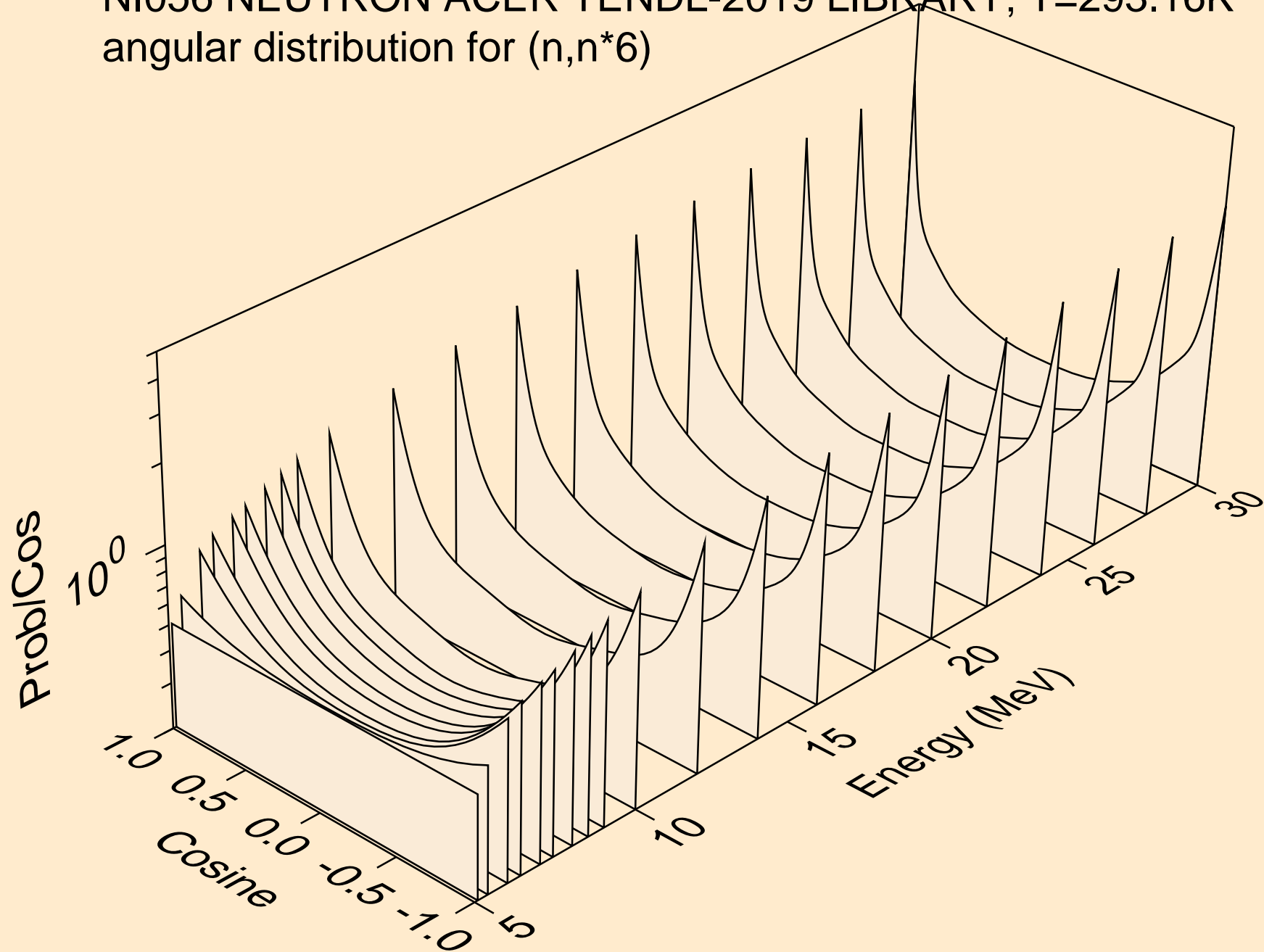
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angular distribution for (n,n\*4)



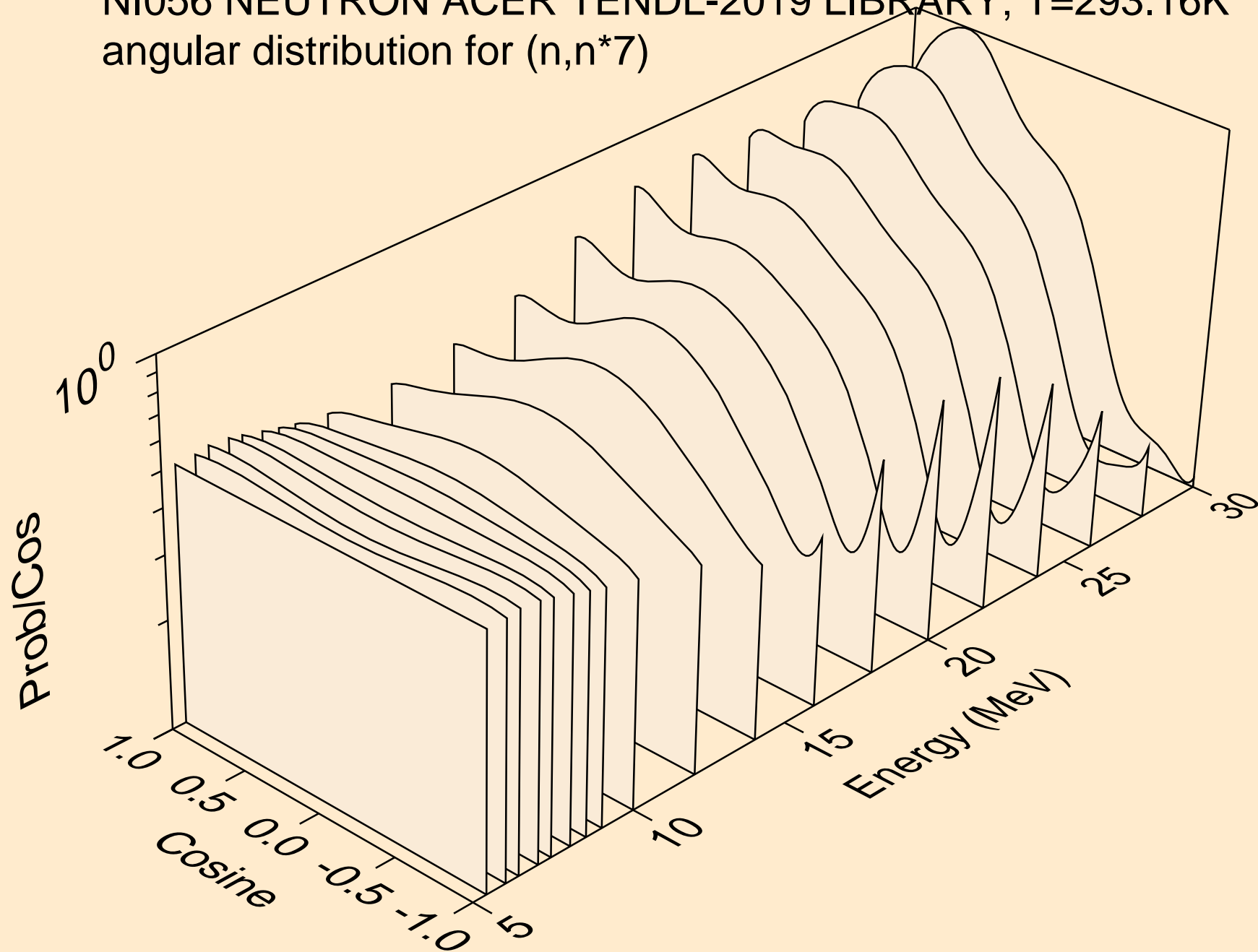
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angular distribution for (n,n\*5)



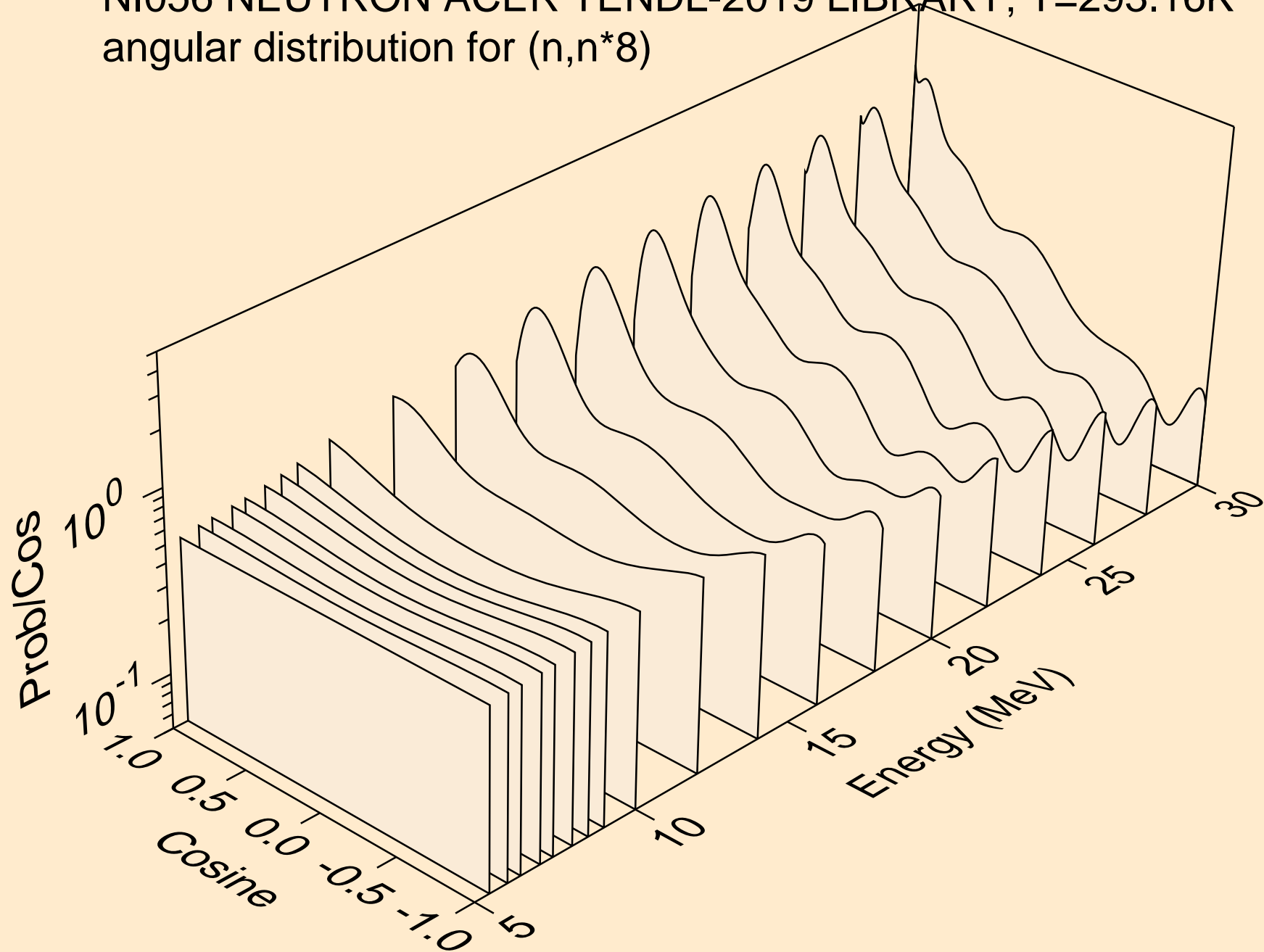
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angular distribution for (n,n\*6)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

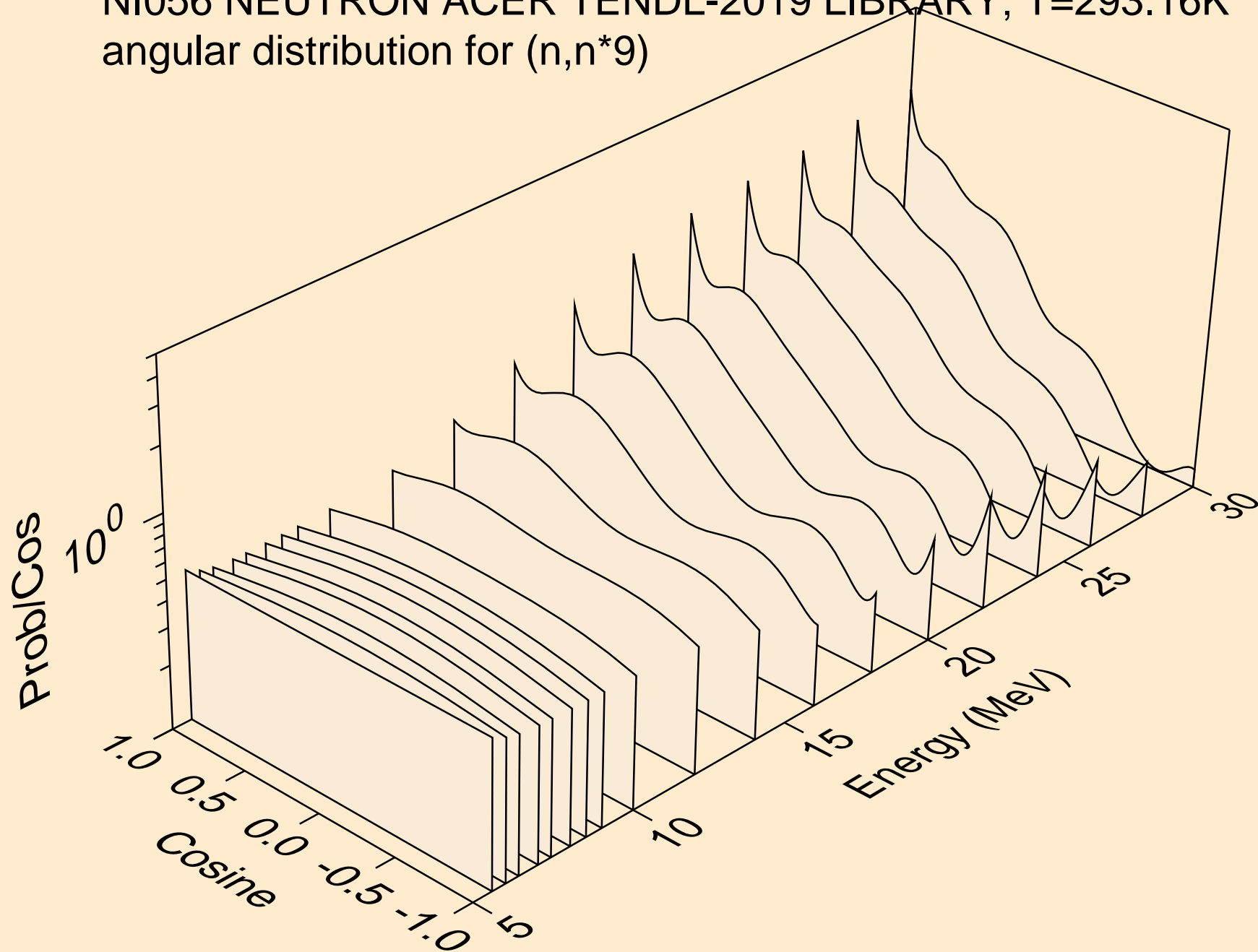


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angular distribution for (n,n\*8)

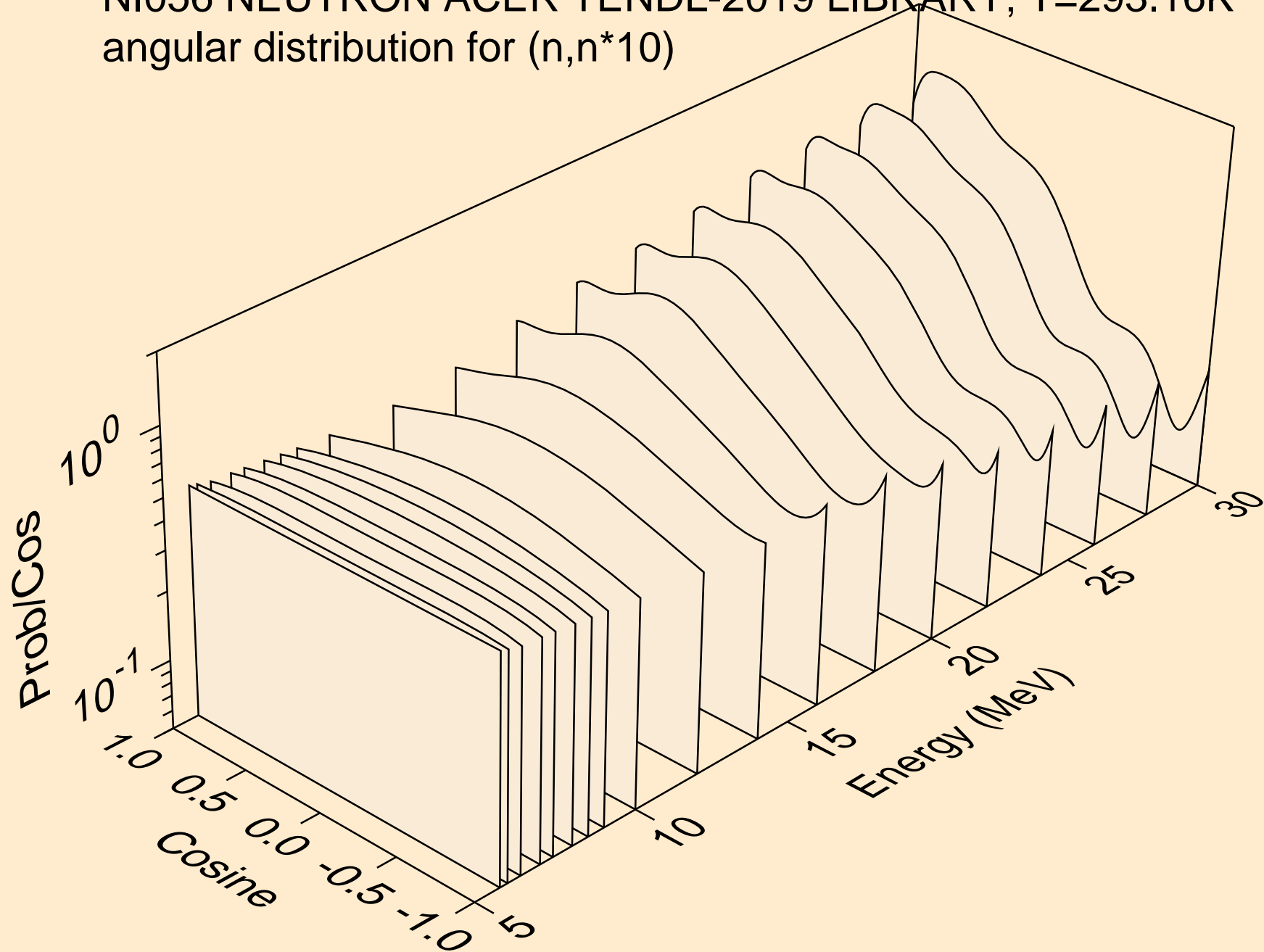




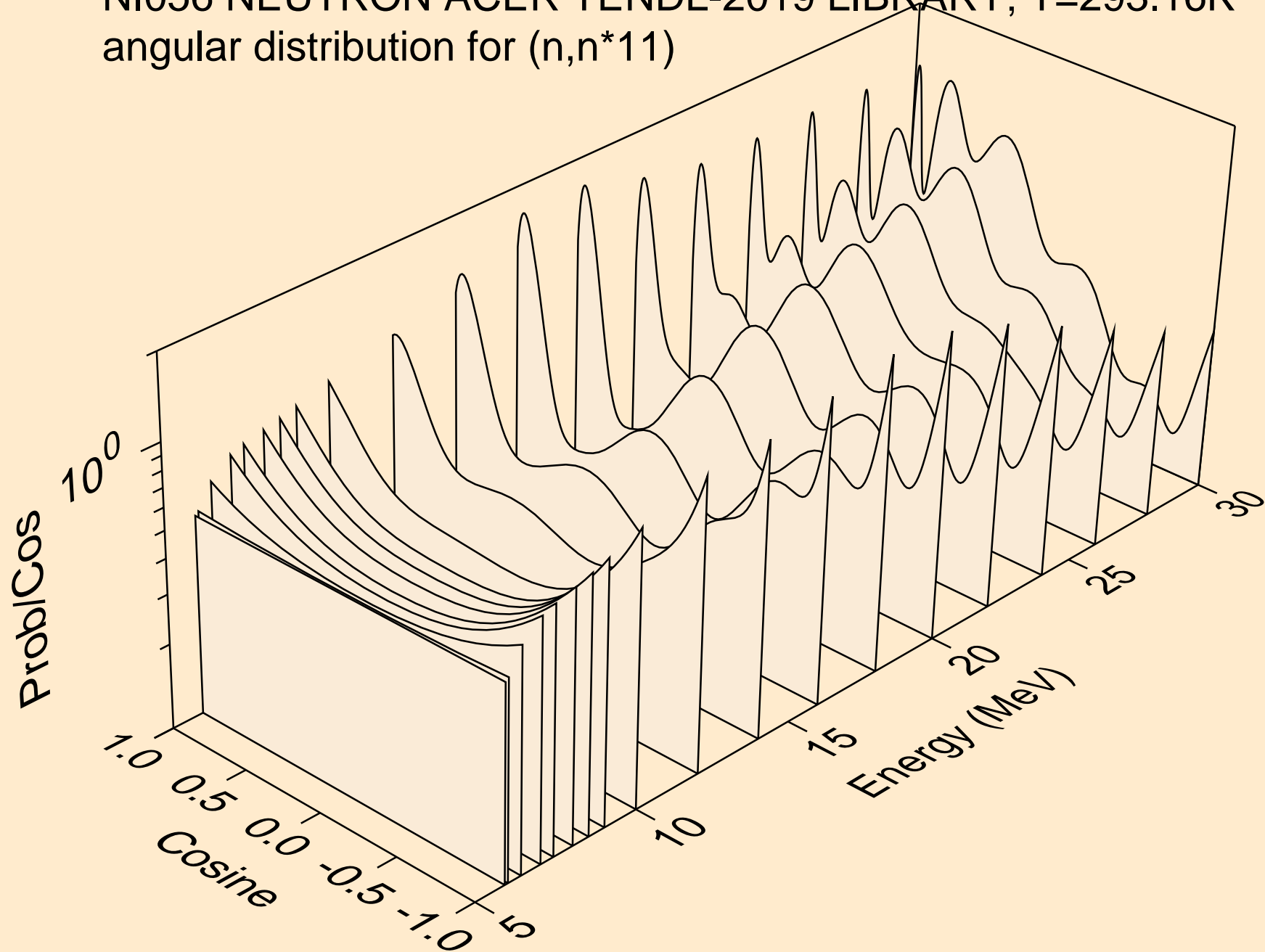
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angular distribution for (n,n\*9)



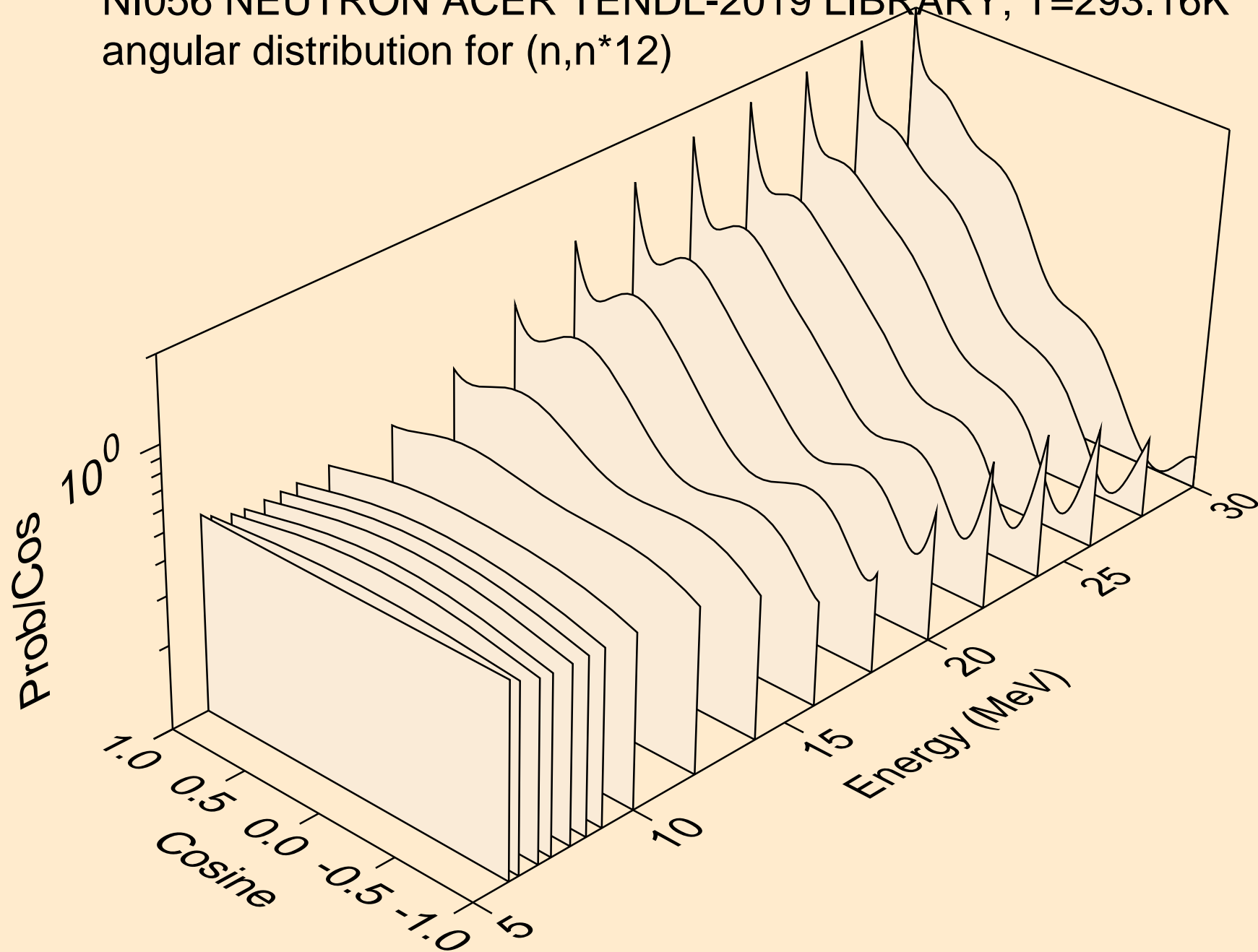
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angular distribution for (n,n\*10)



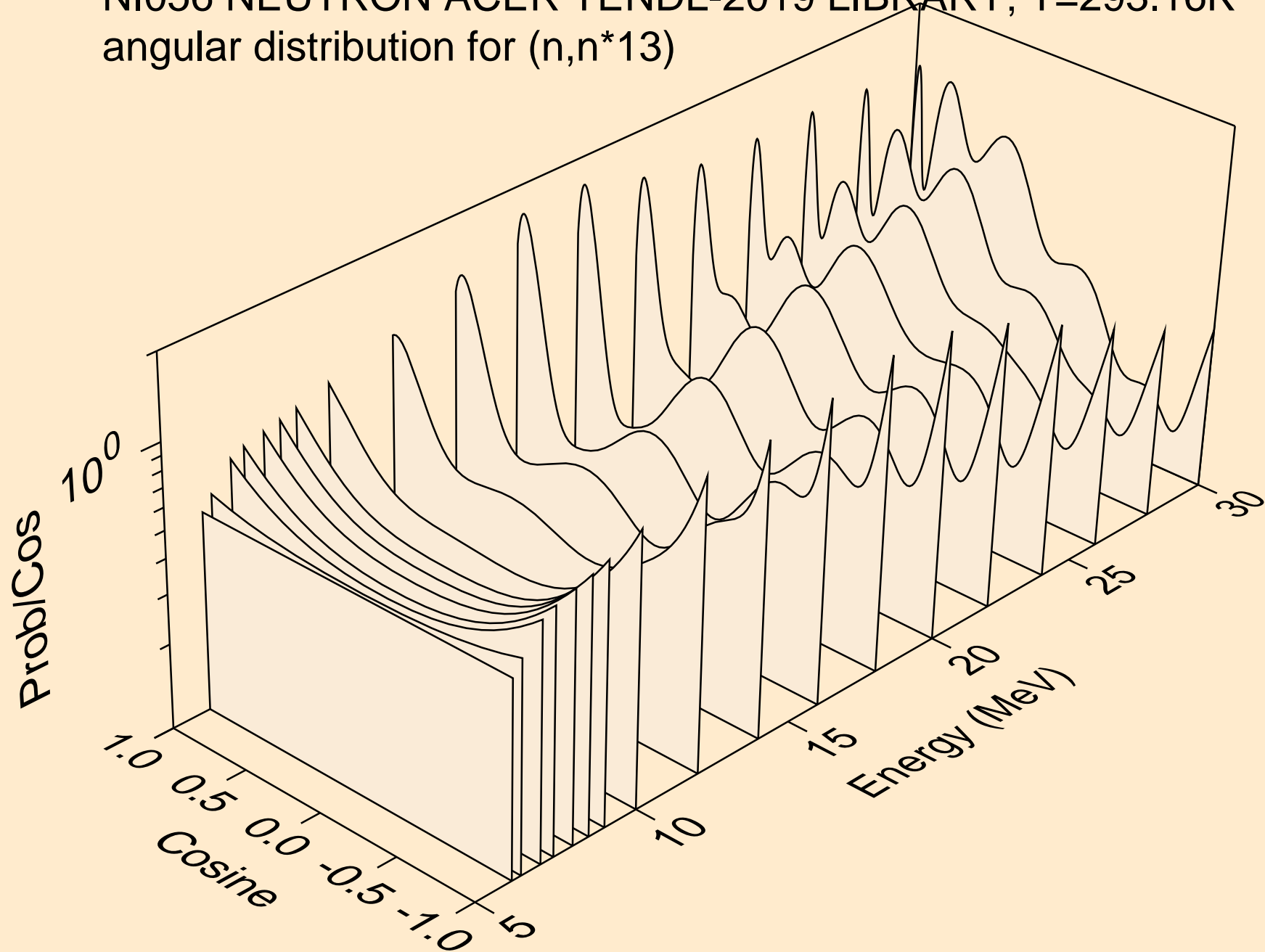
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angular distribution for (n,n\*11)



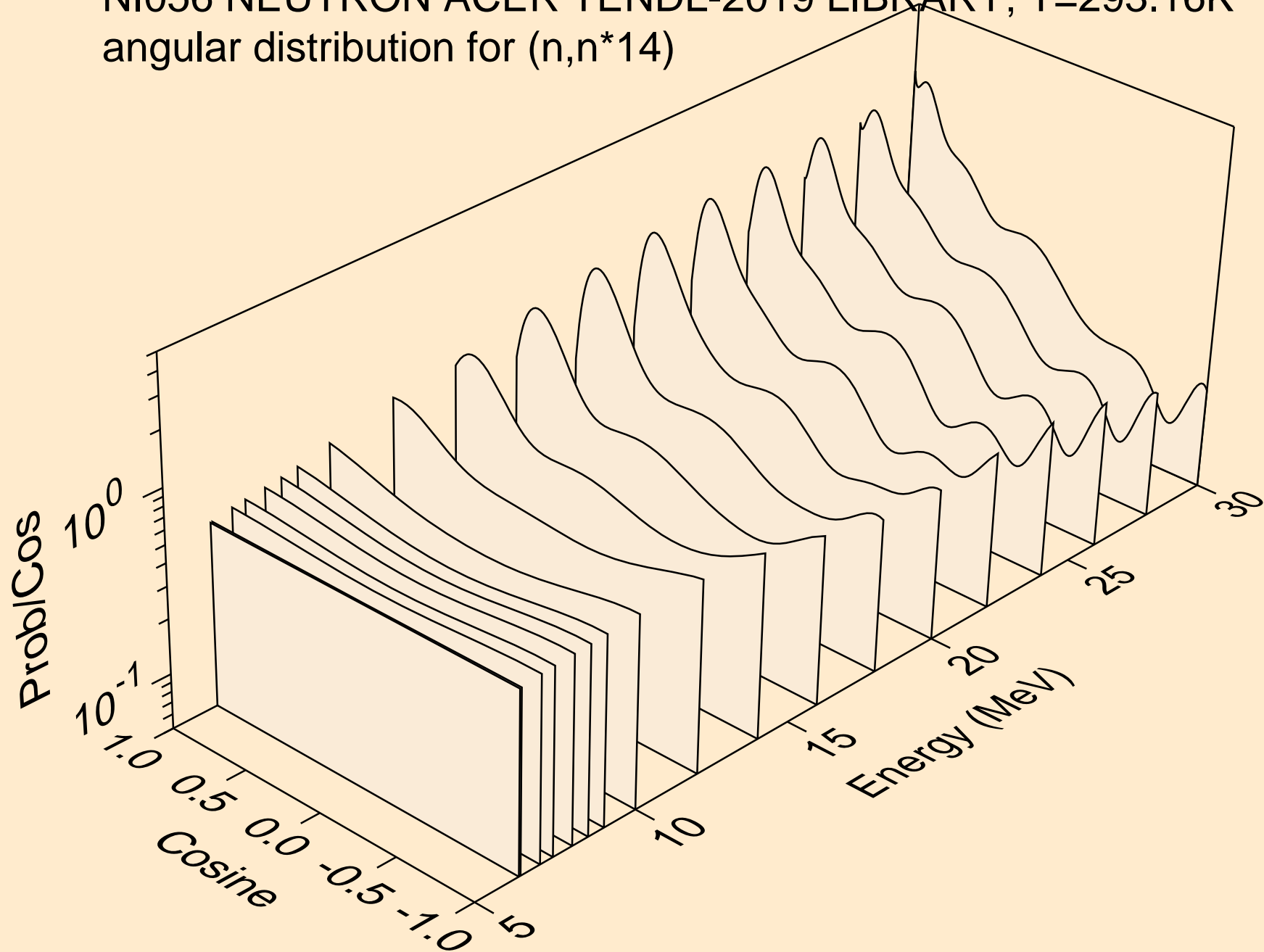
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angular distribution for (n,n\*12)



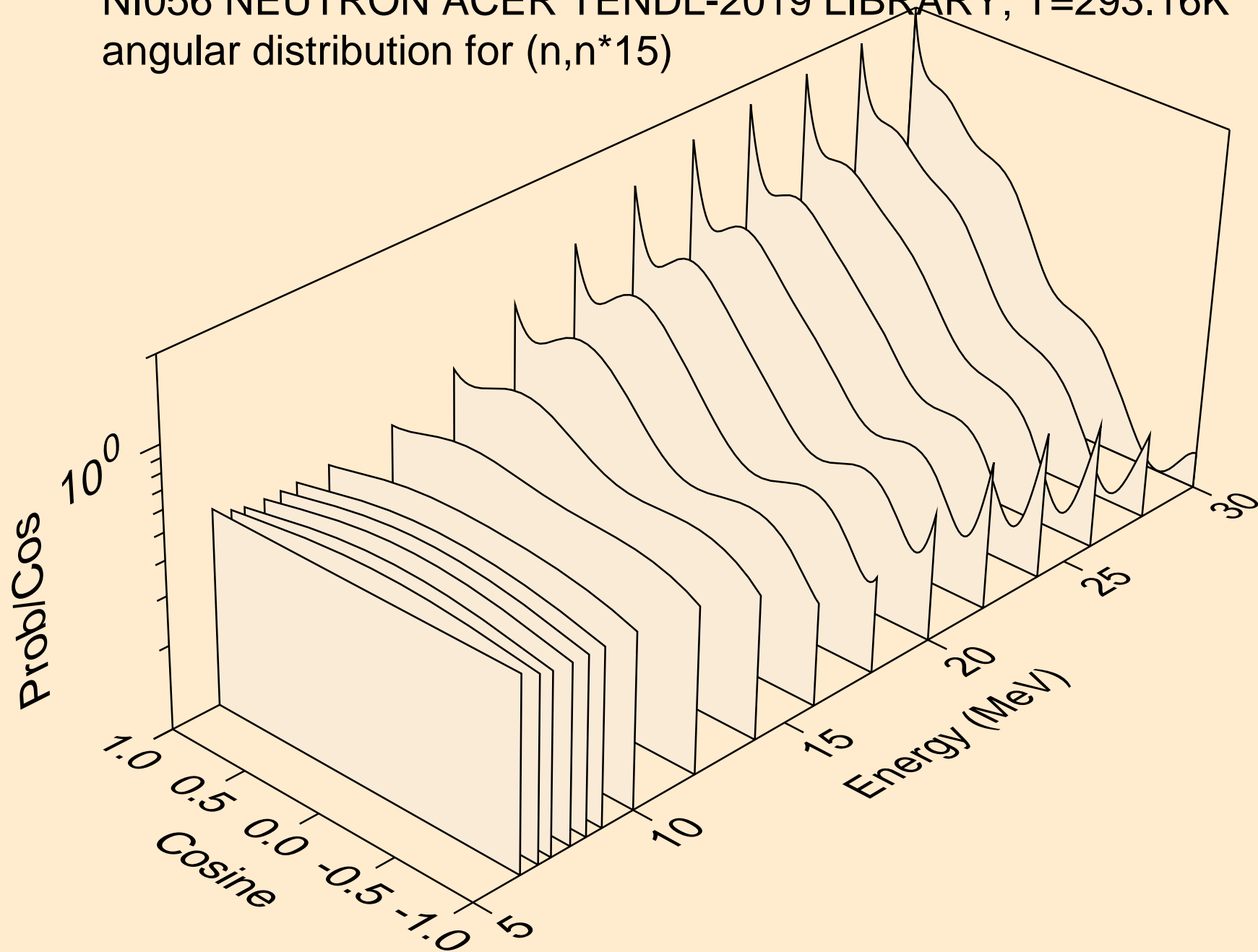
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angular distribution for (n,n\*13)



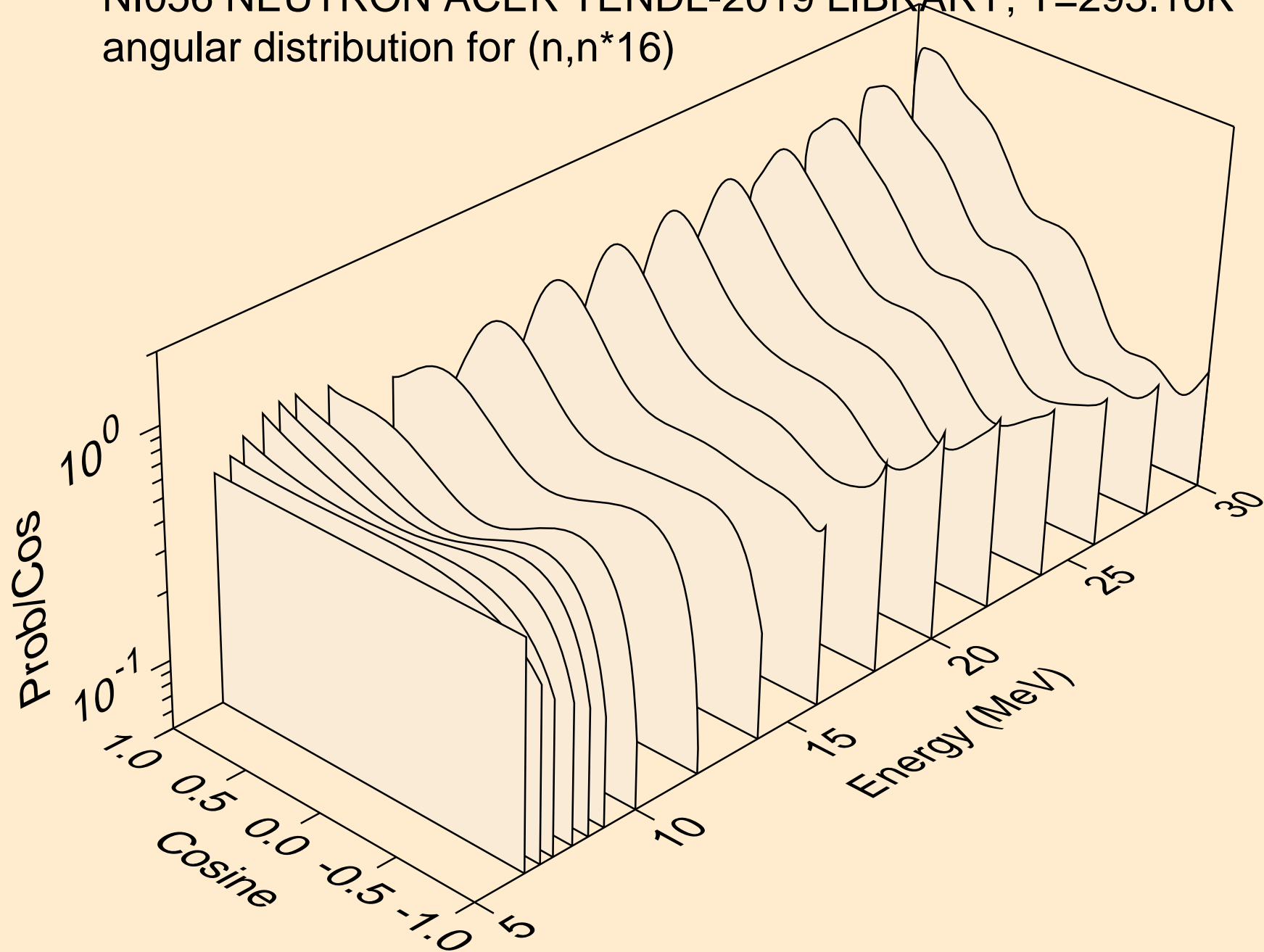
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angular distribution for (n,n\*14)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

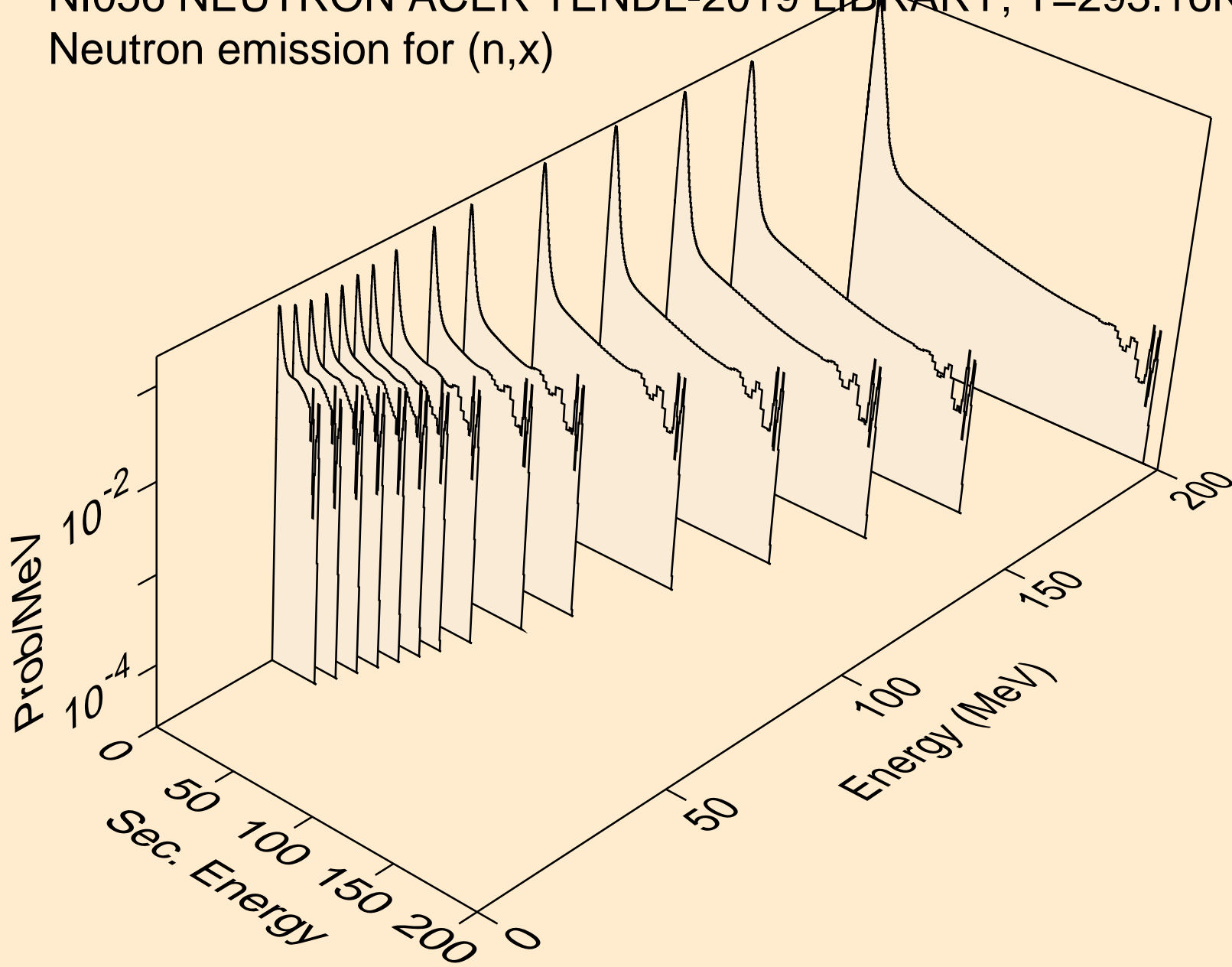


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angular distribution for (n,n\*16)

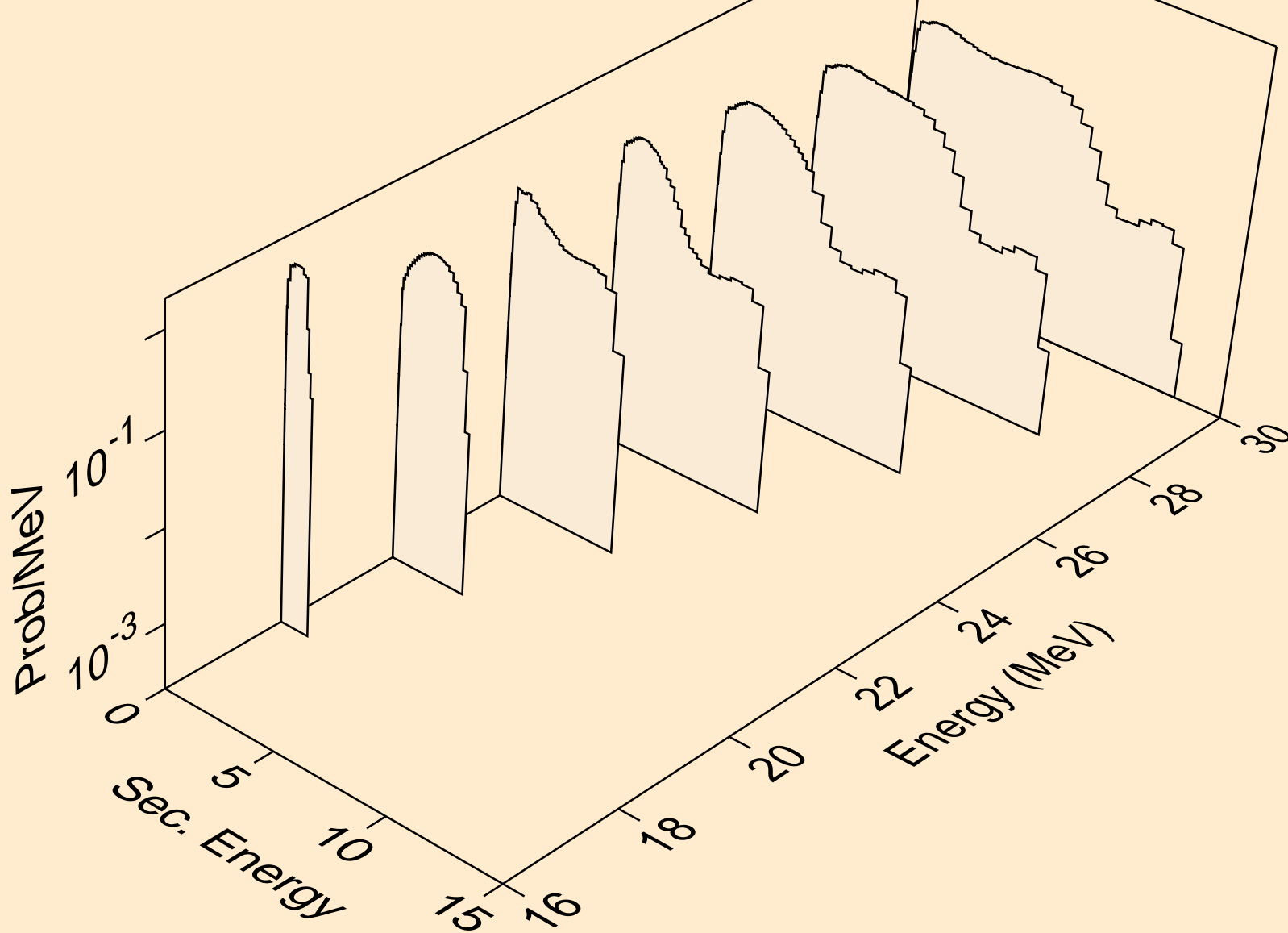




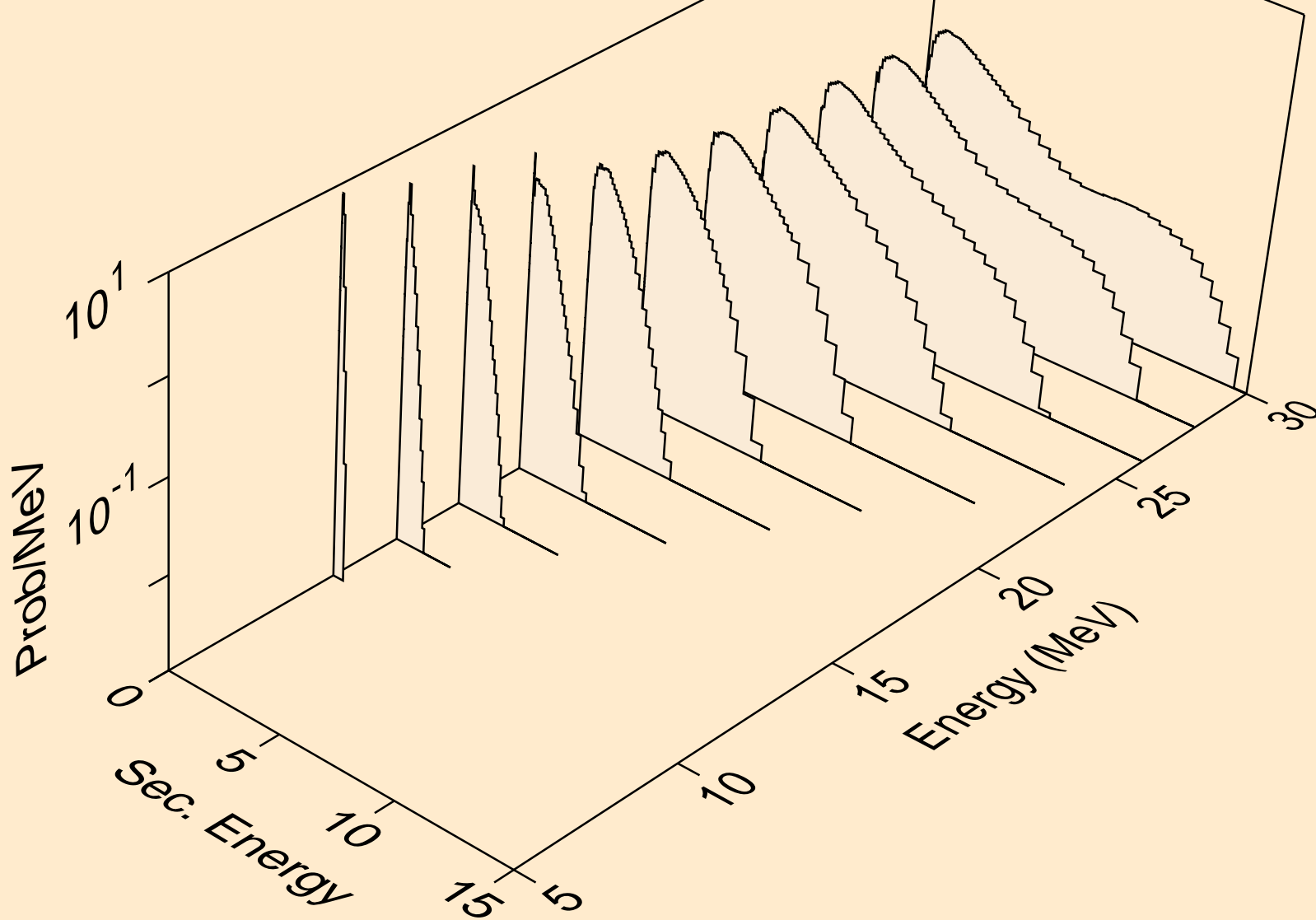
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Neutron emission for (n,x)



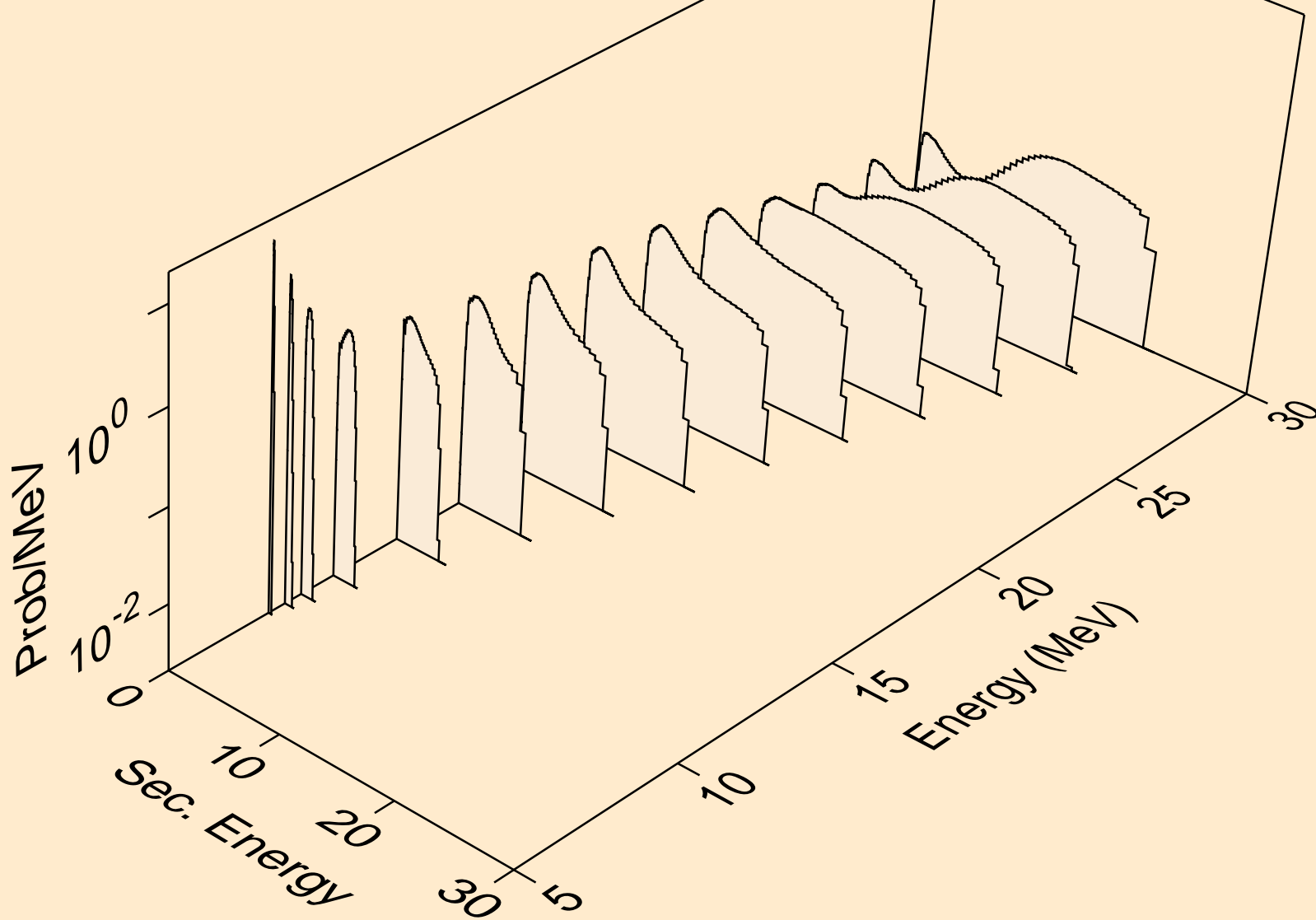
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Neutron emission for (n,2n)



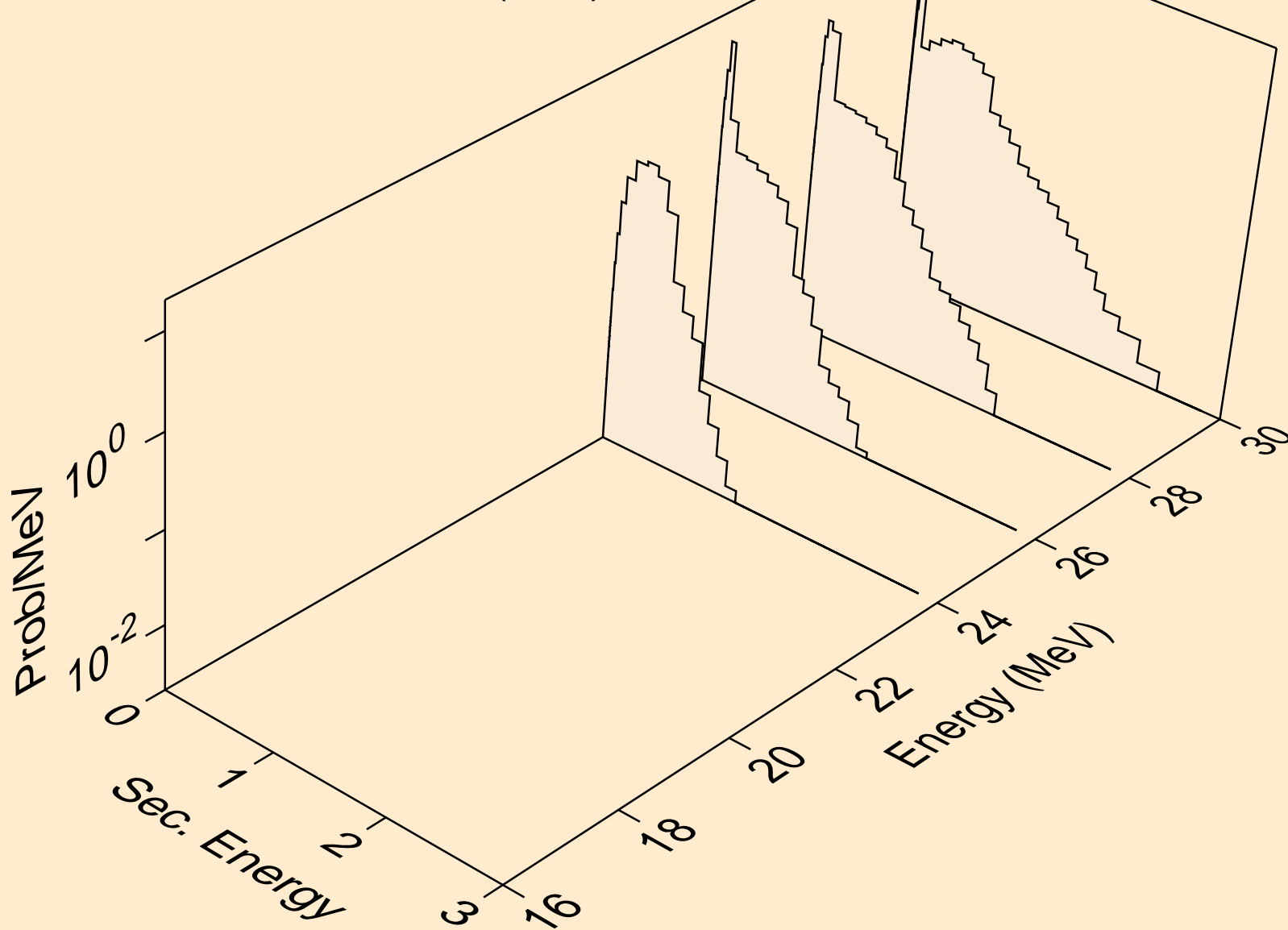
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Neutron emission for (n,n\*)a



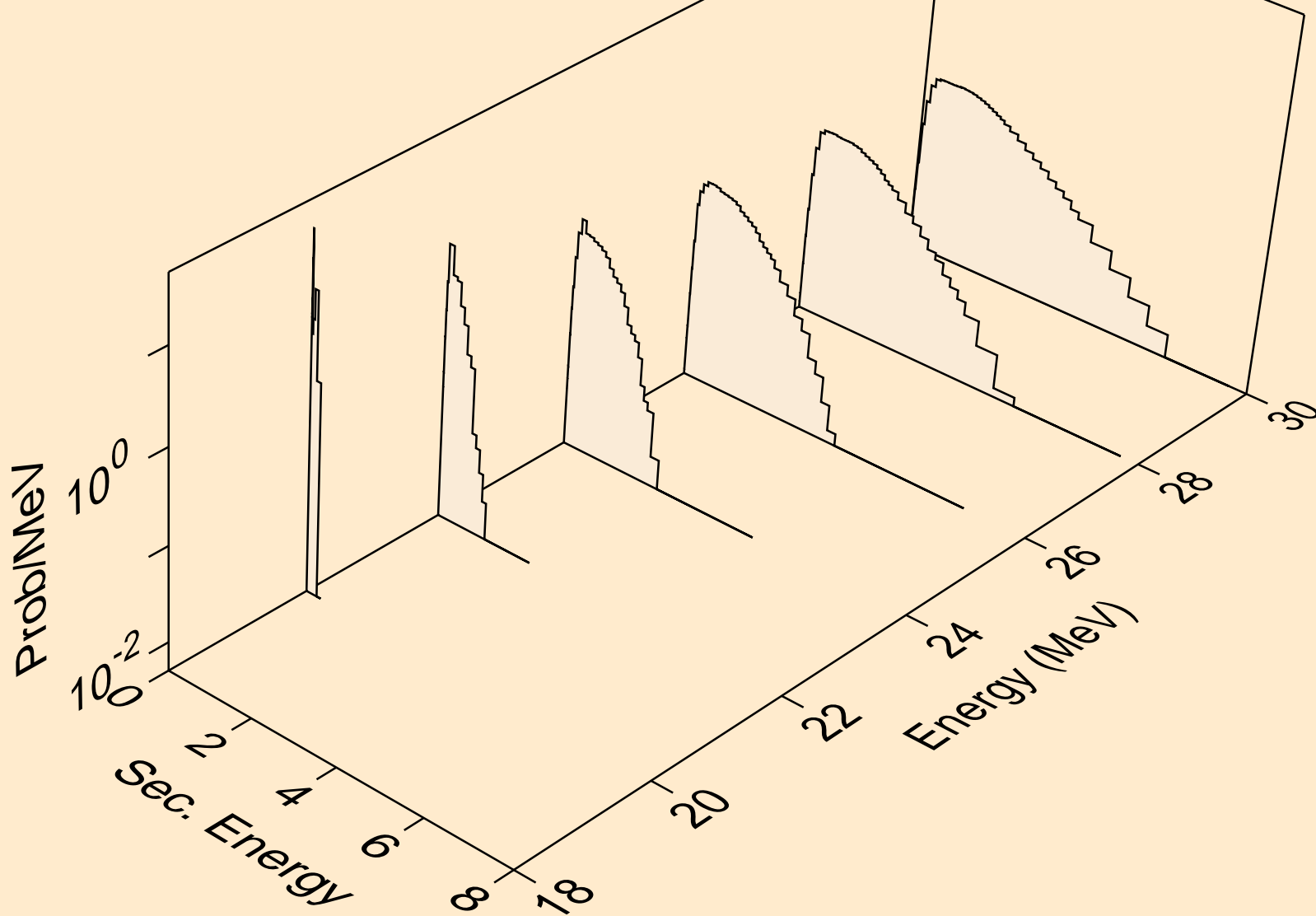
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Neutron emission for (n,n\*)p



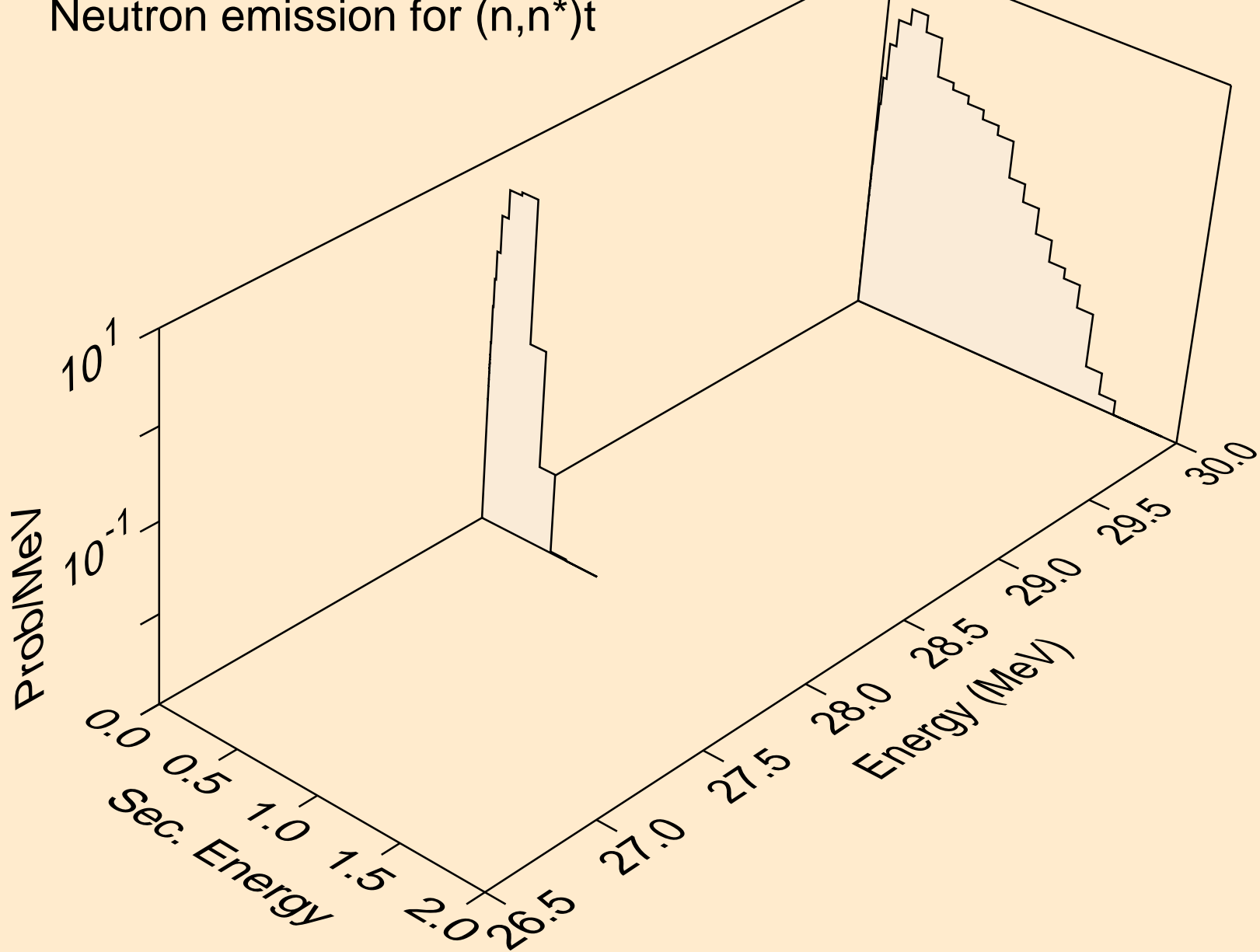
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Neutron emission for (n,n\*)2a



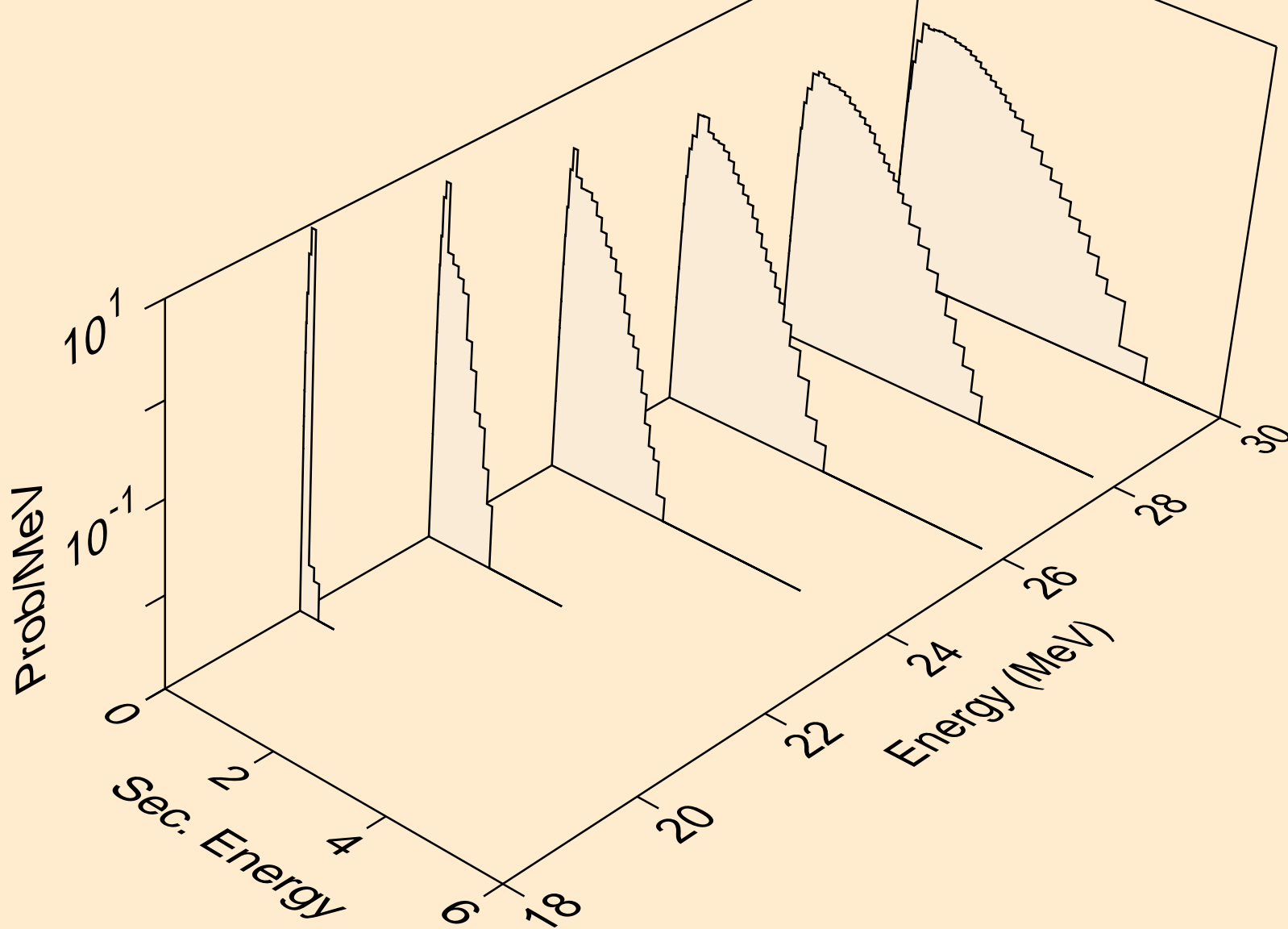
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

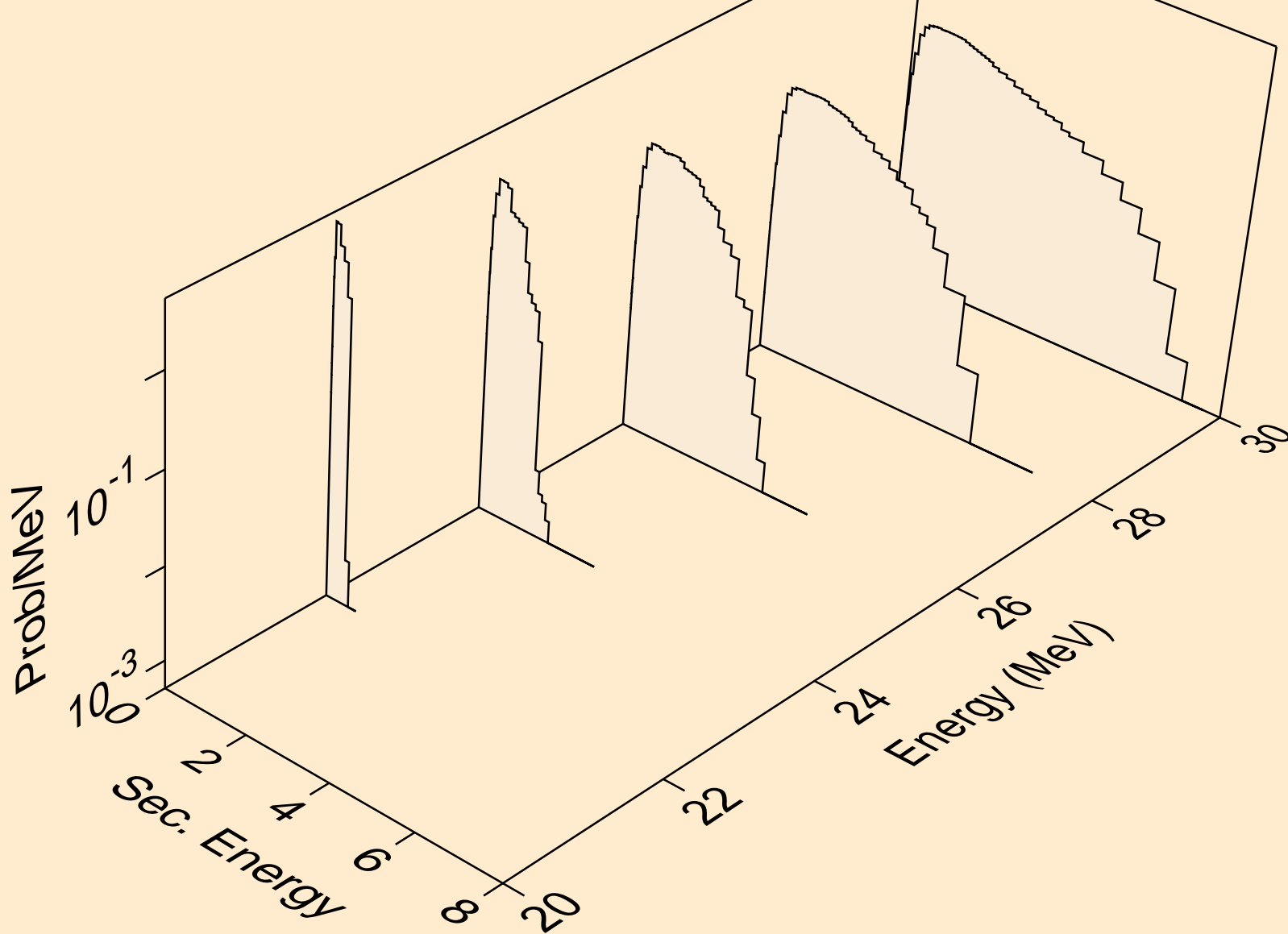


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

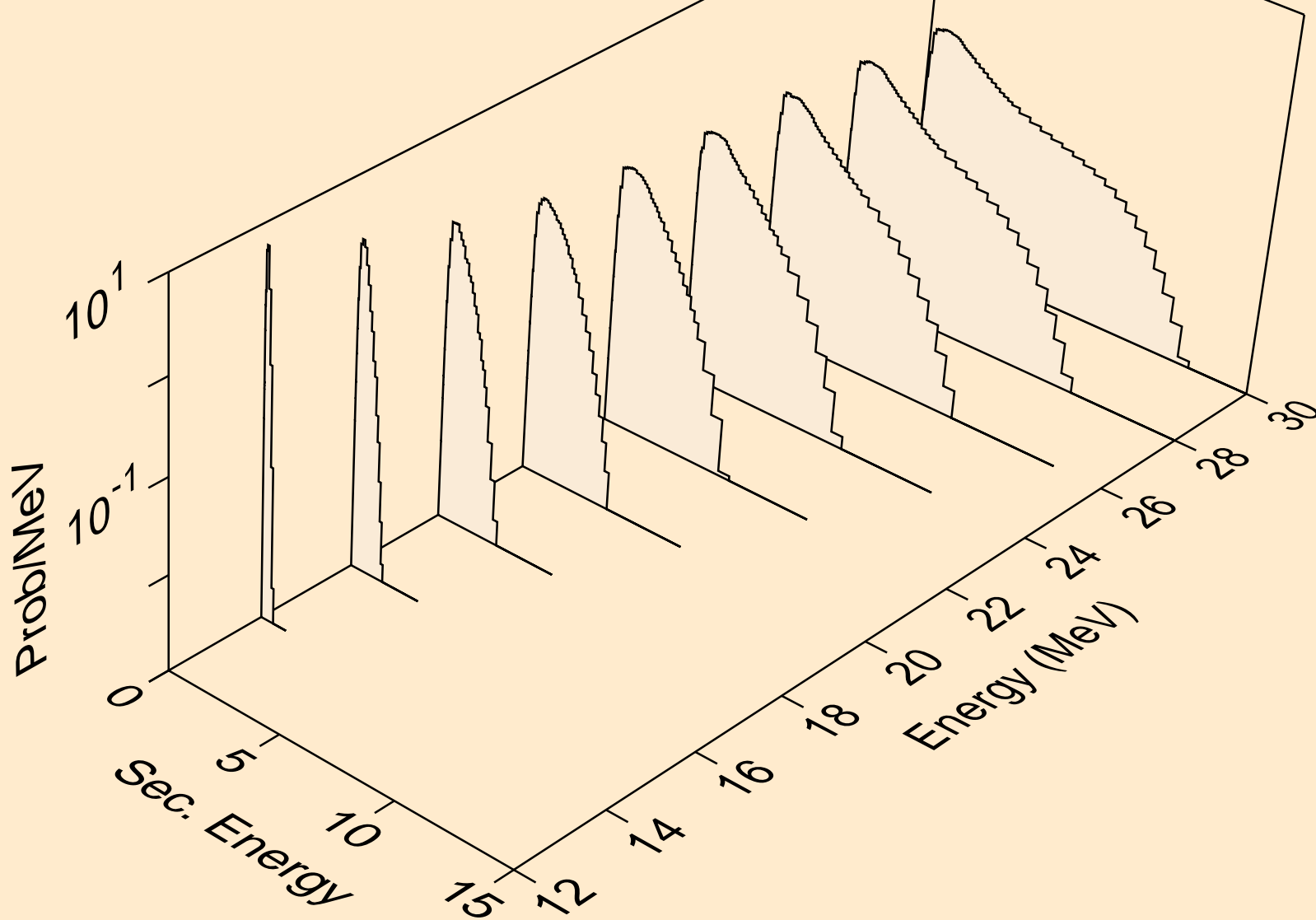




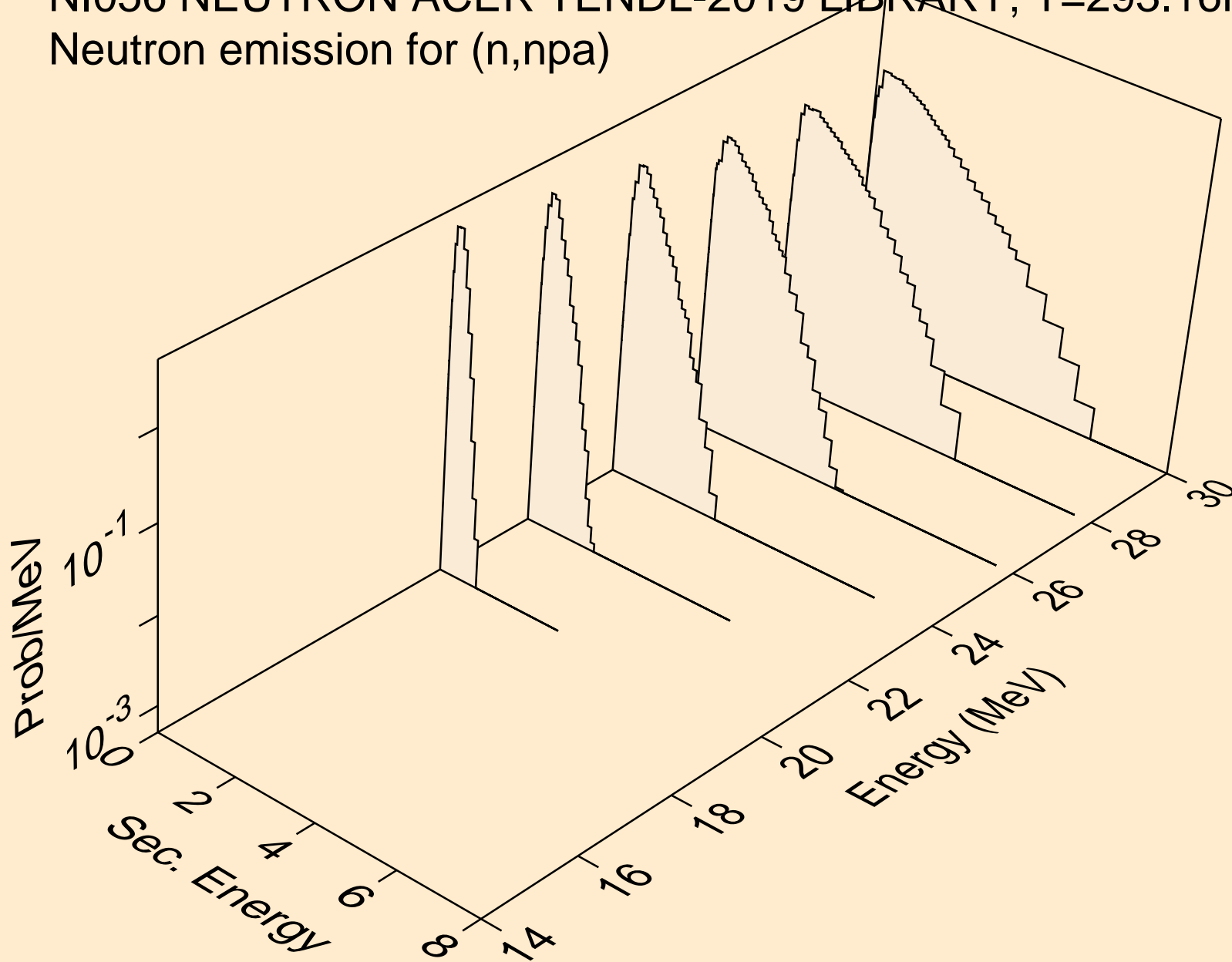
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Neutron emission for (n,2np)



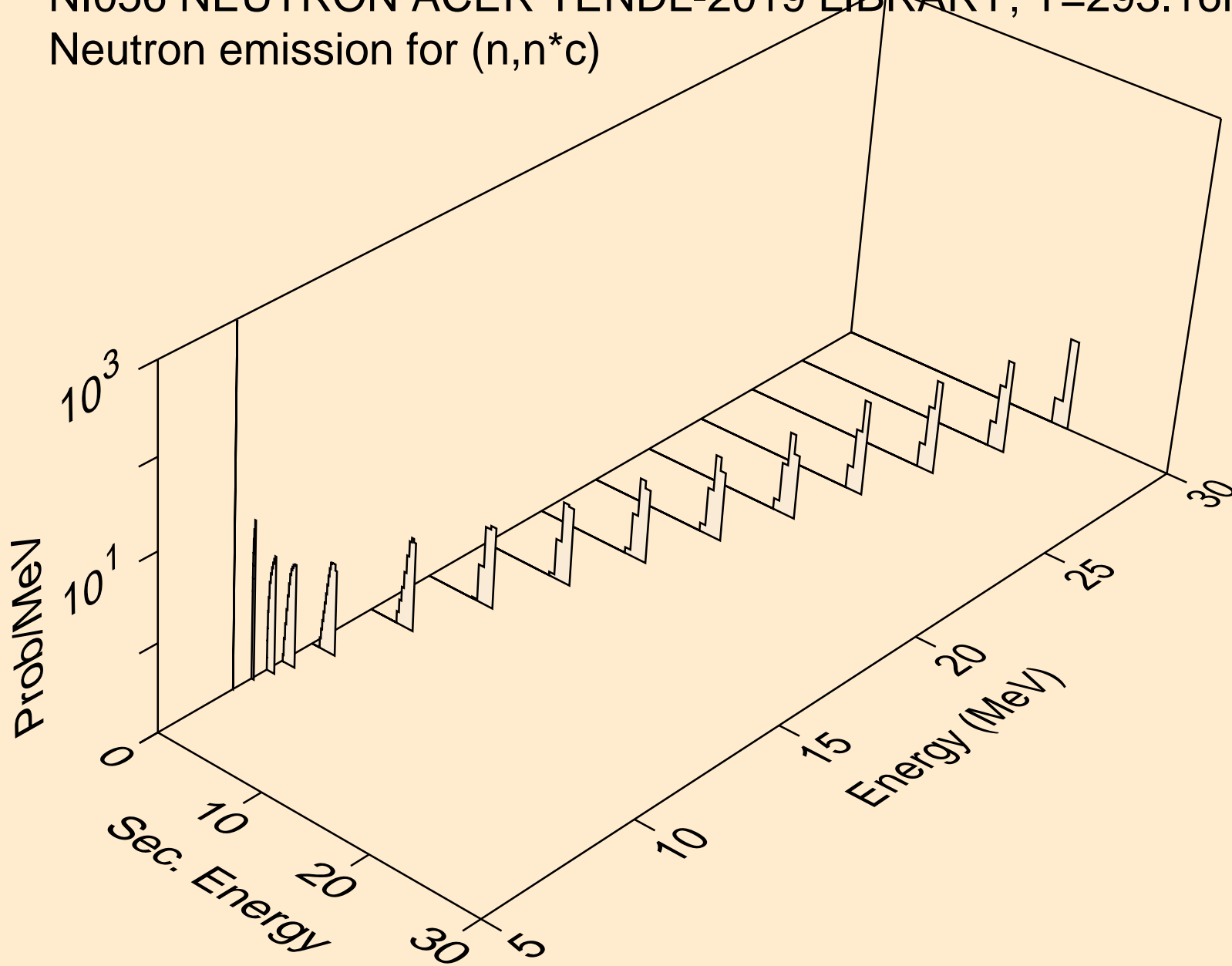
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Neutron emission for (n,2np)



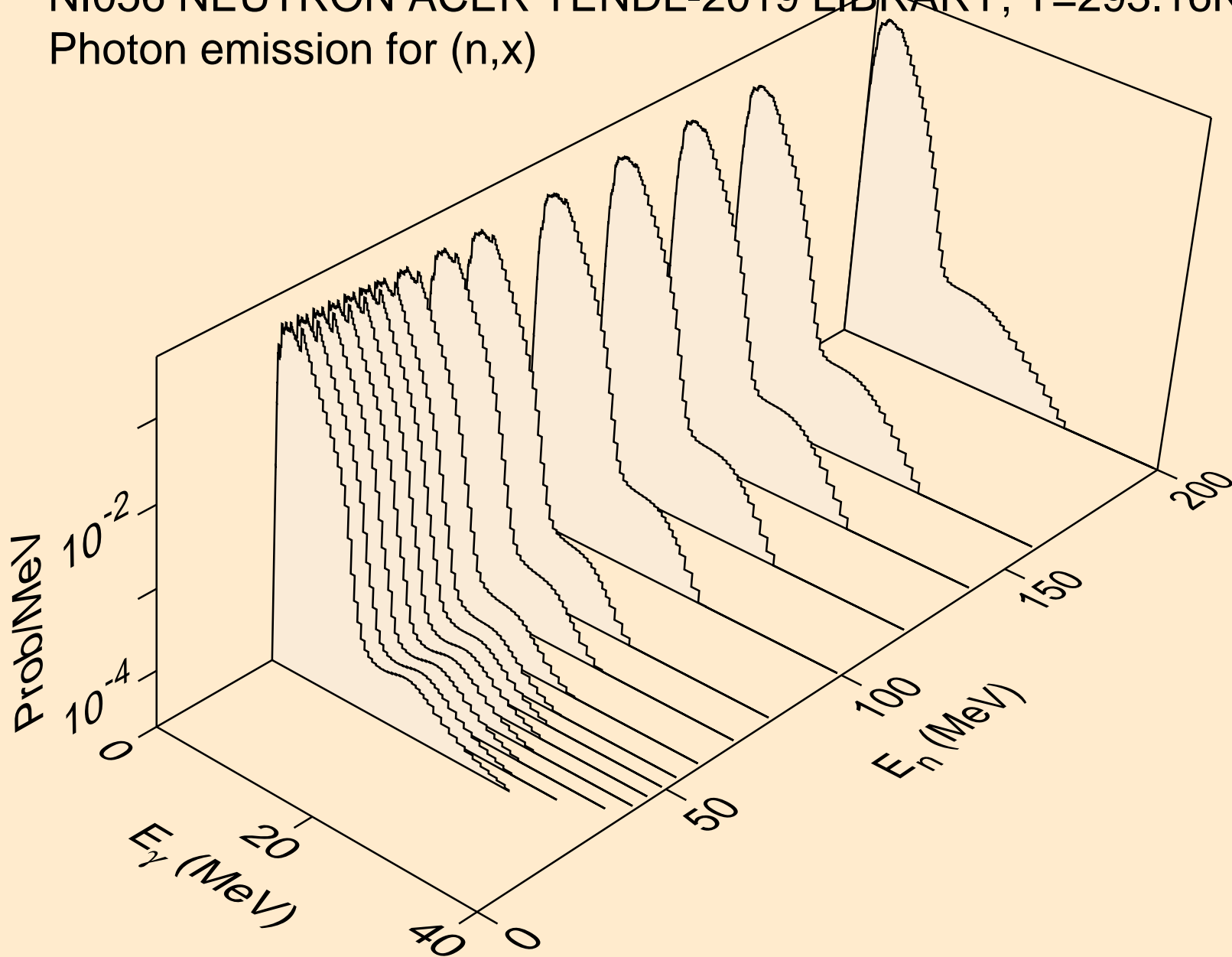
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Neutron emission for (n,npa)



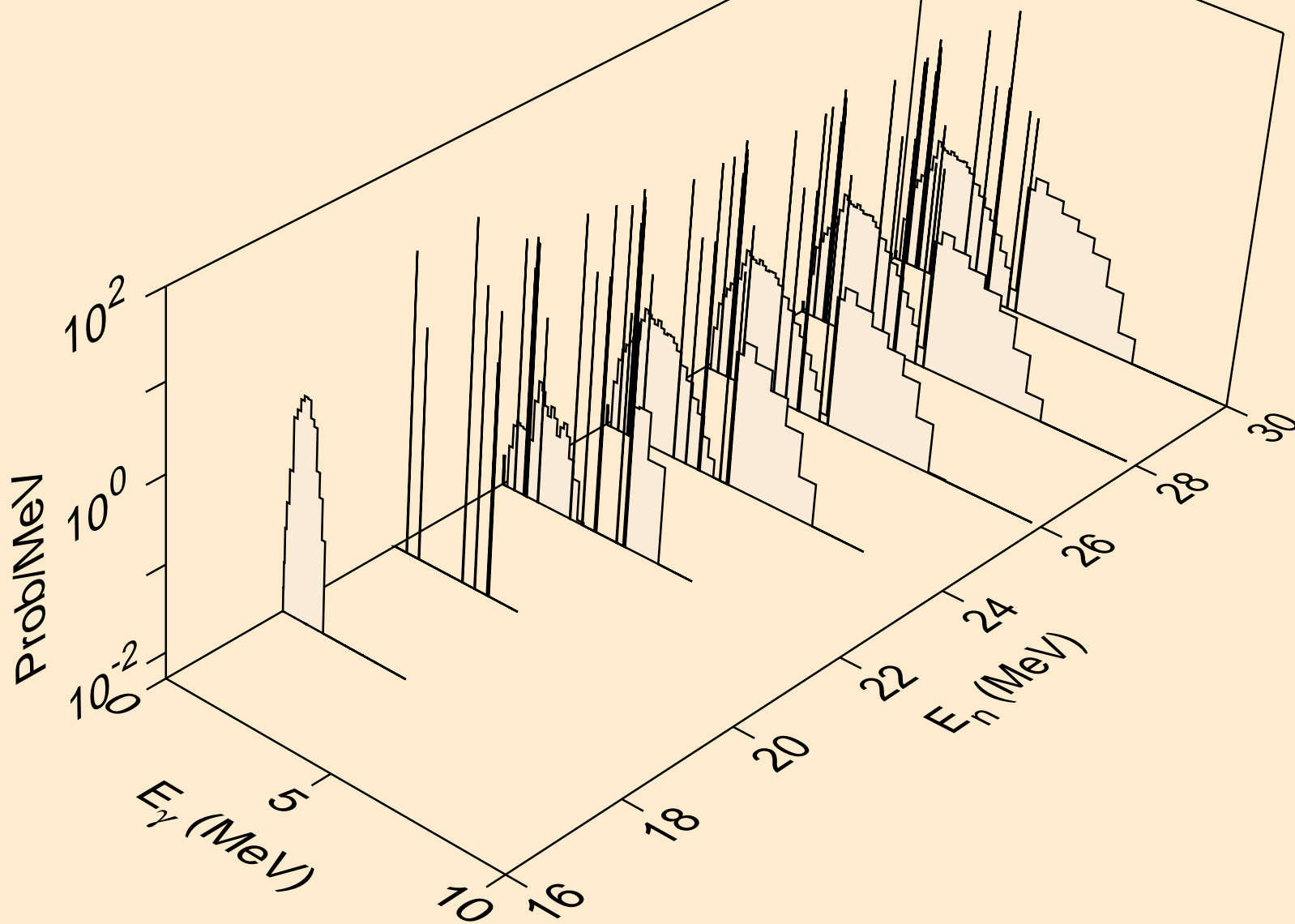
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Neutron emission for (n,n\*c)



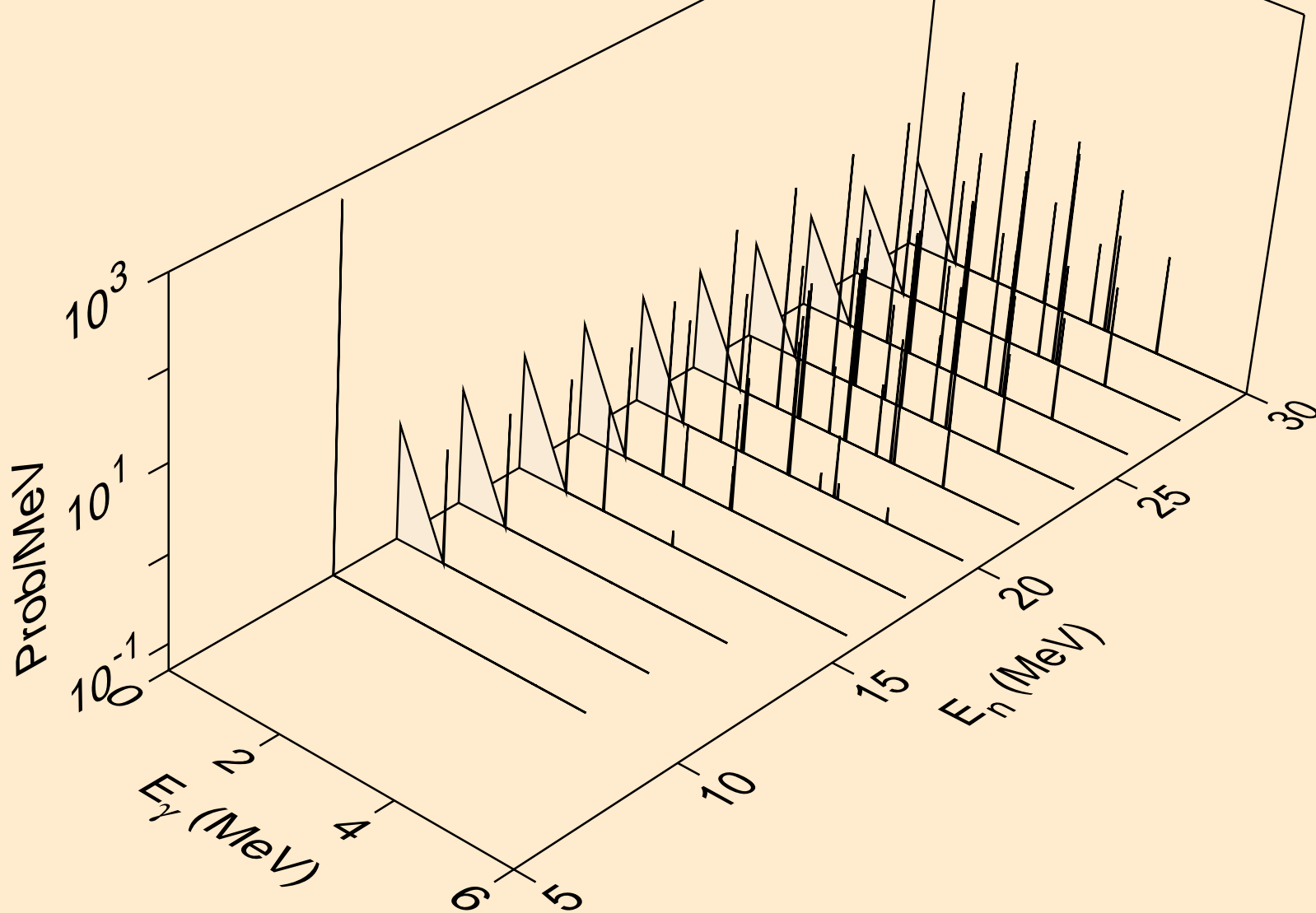
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Photon emission for (n,x)



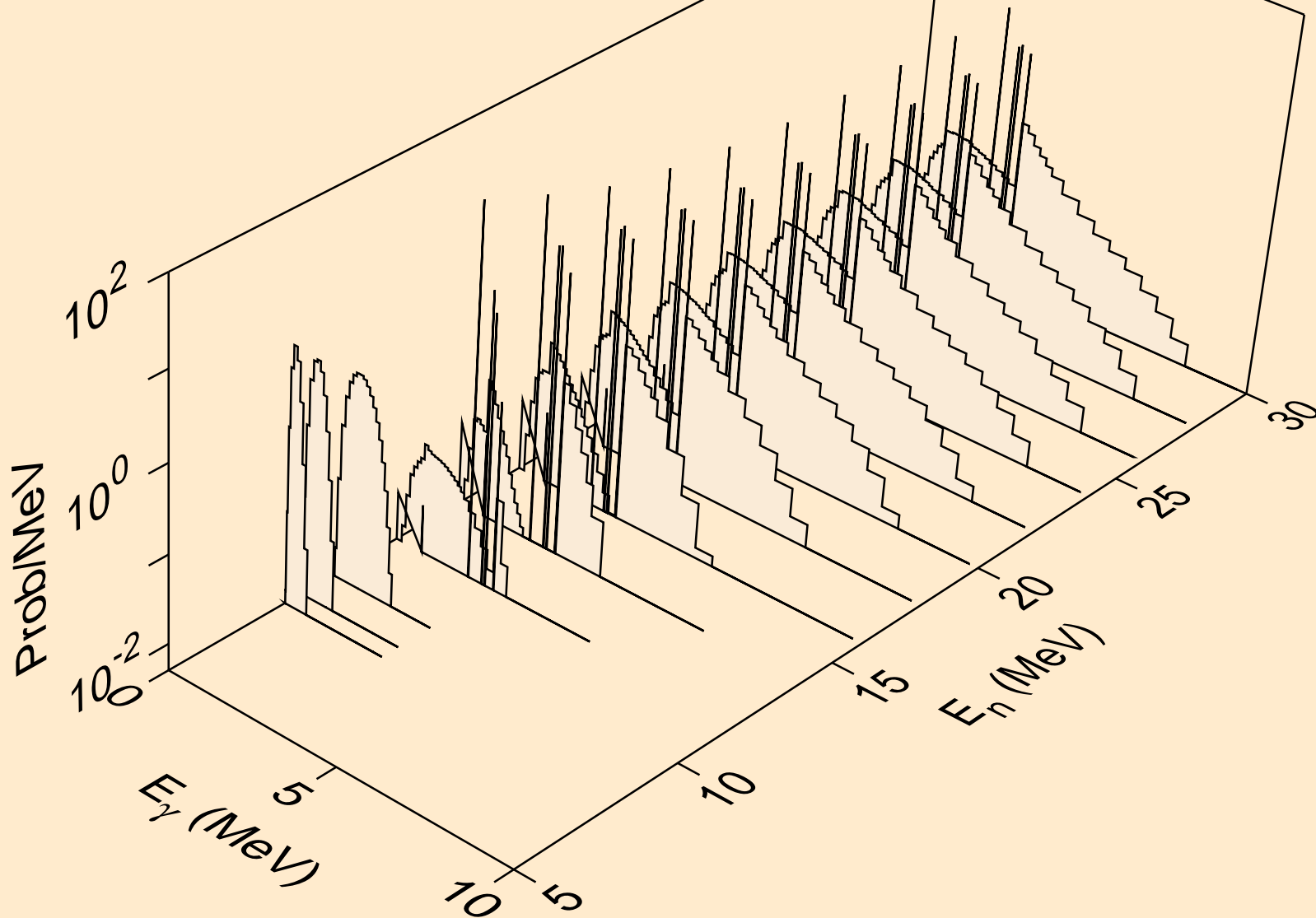
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

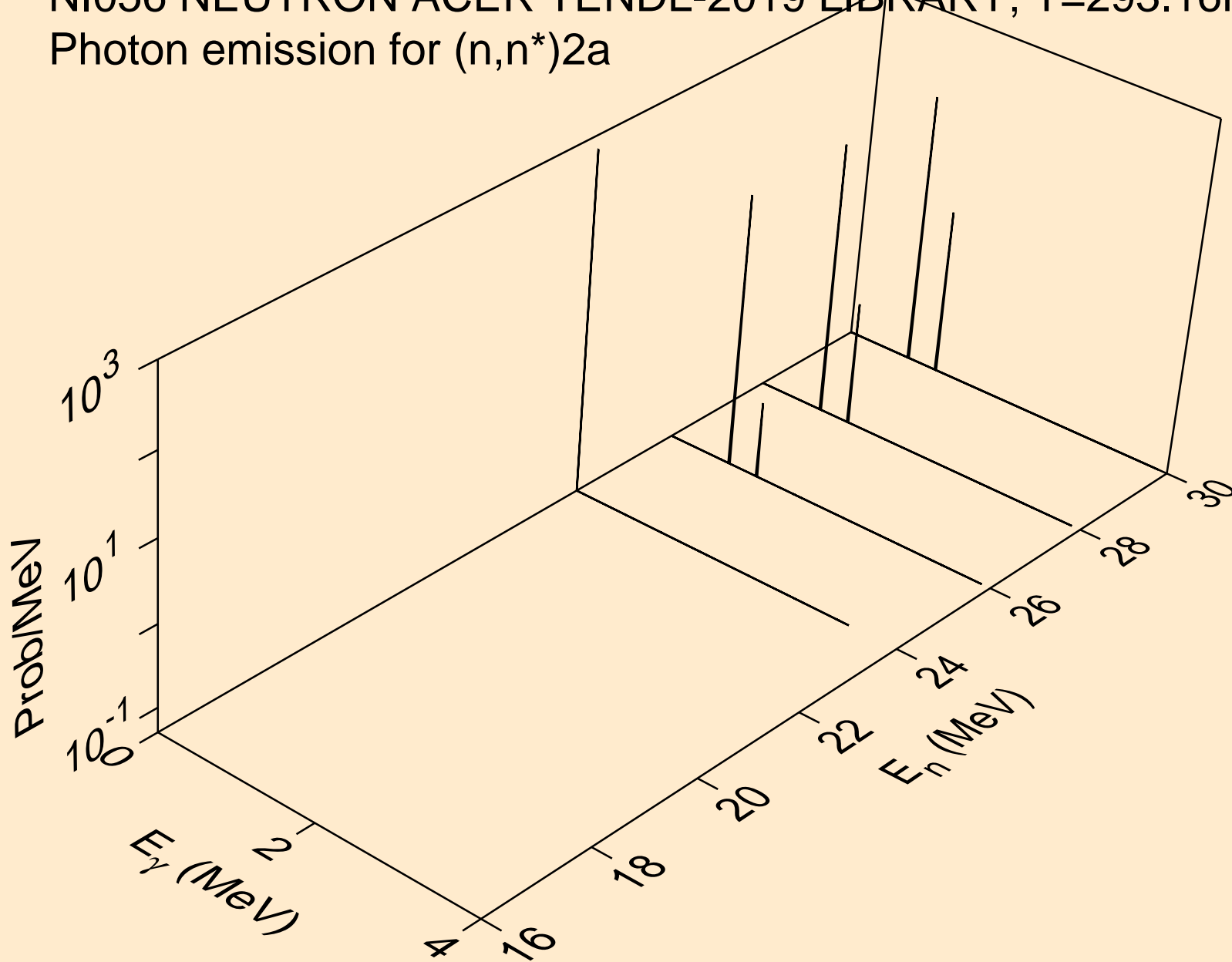


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Photon emission for (n,n\*)p

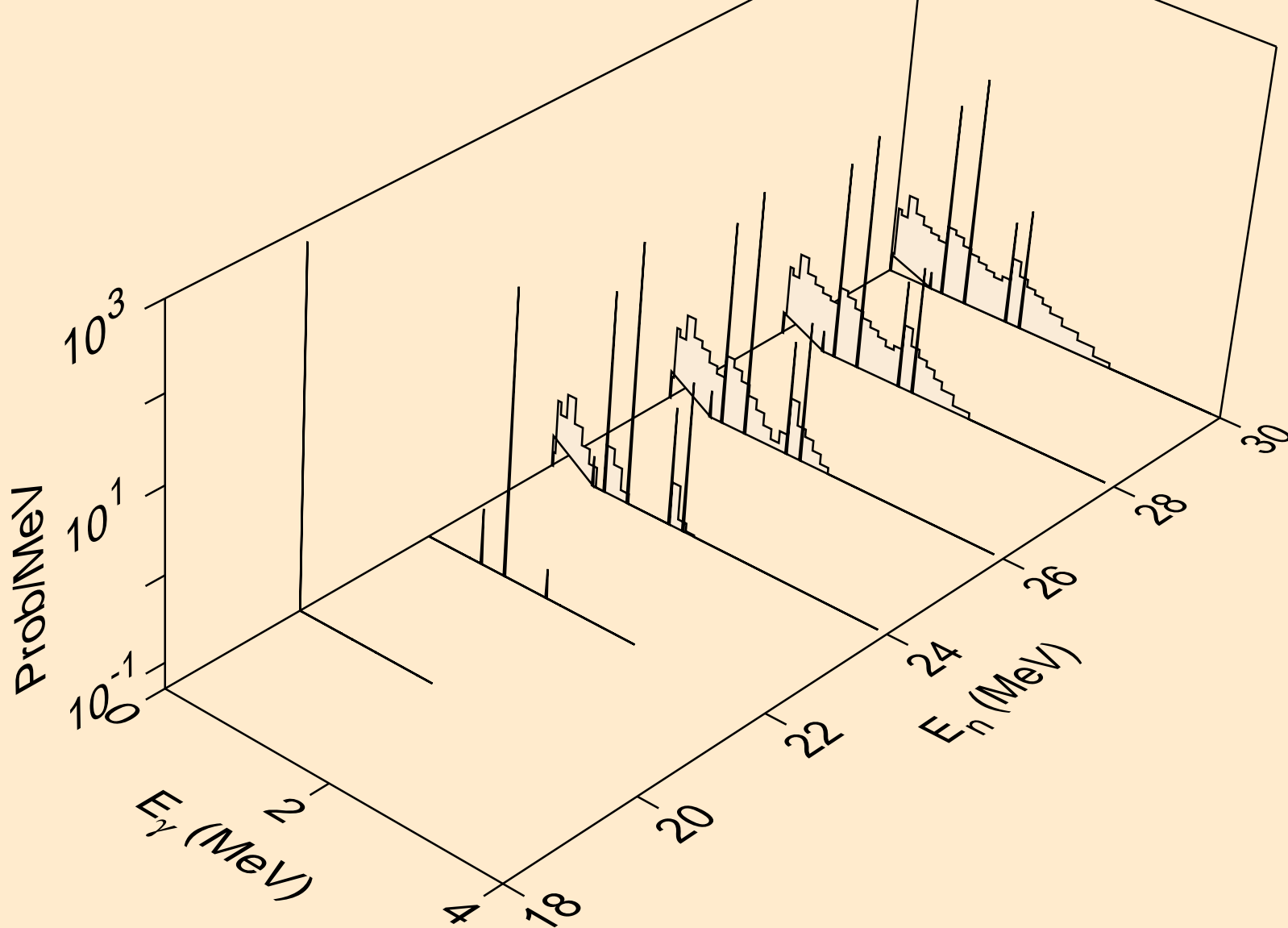




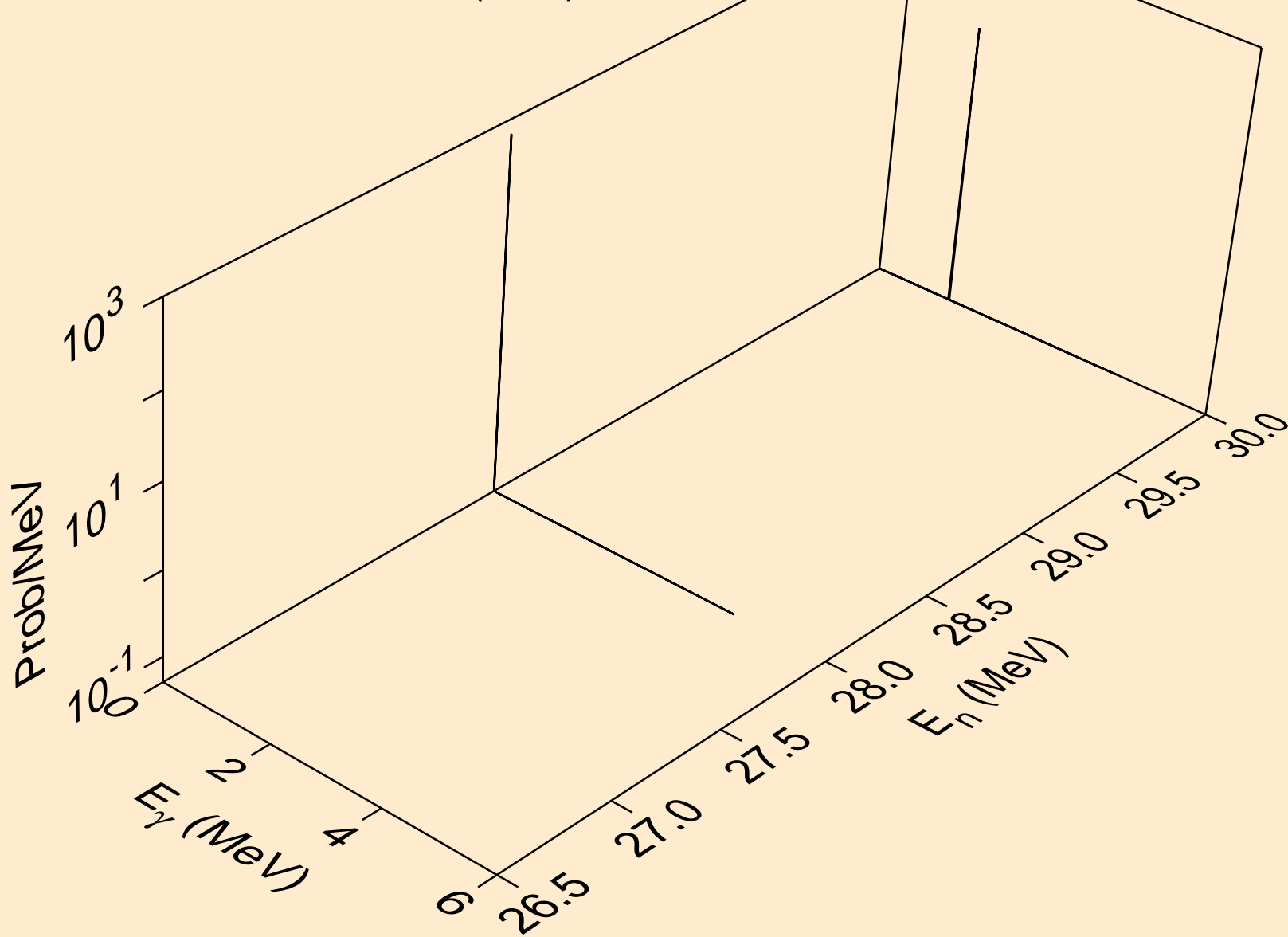
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Photon emission for (n,n\*)2a



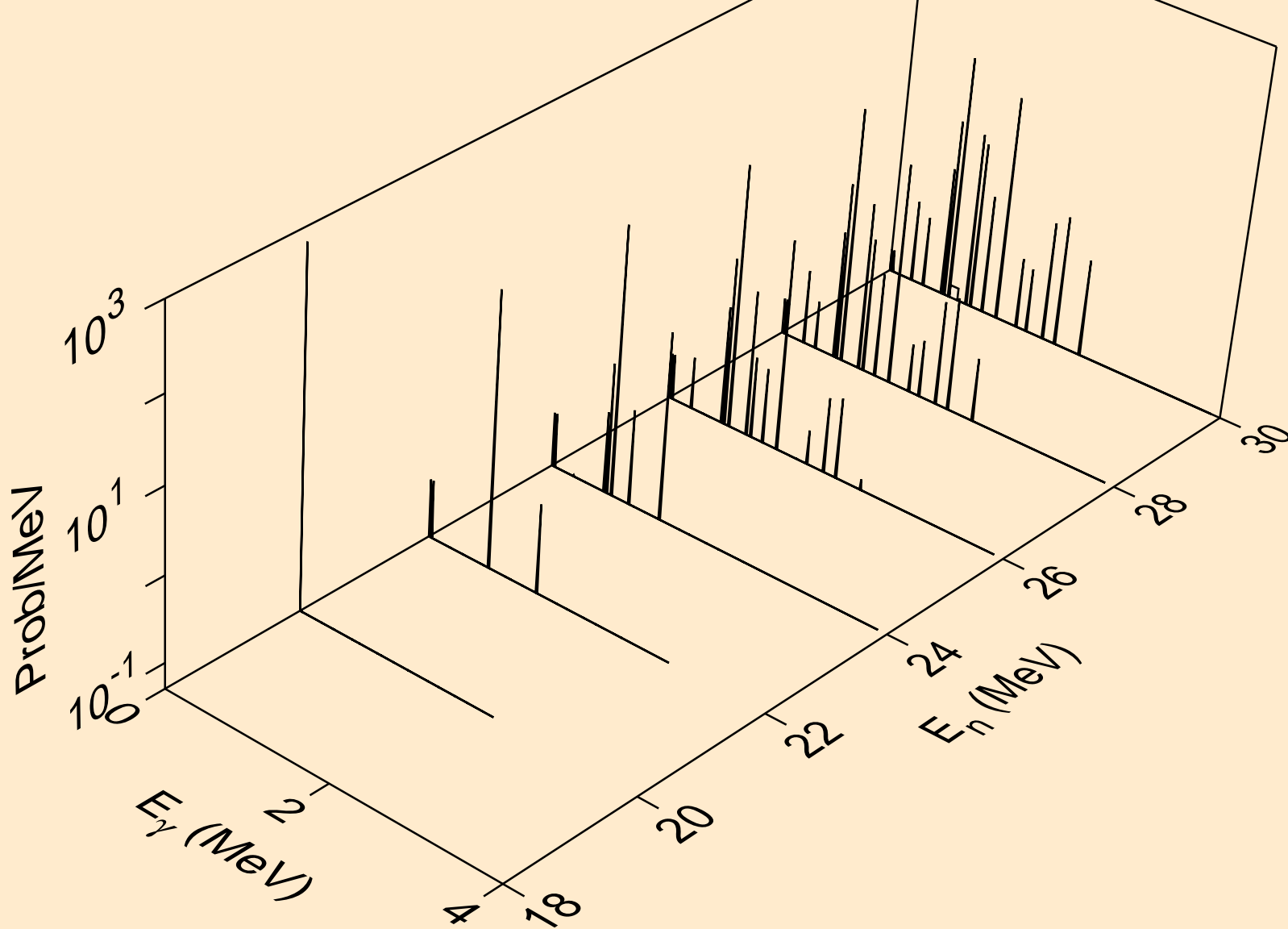
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Photon emission for (n,n\*)d



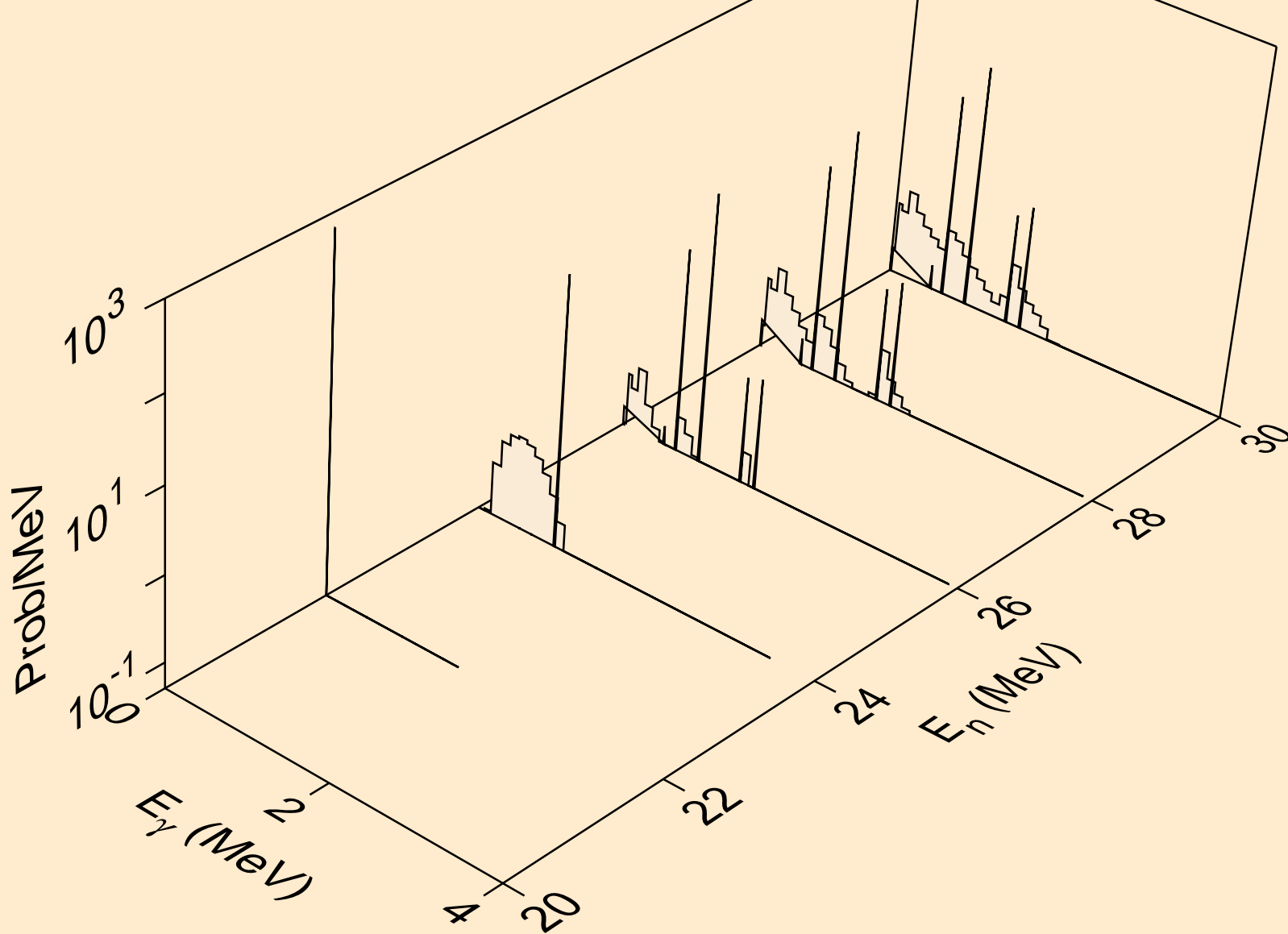
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Photon emission for (n,n\*)t



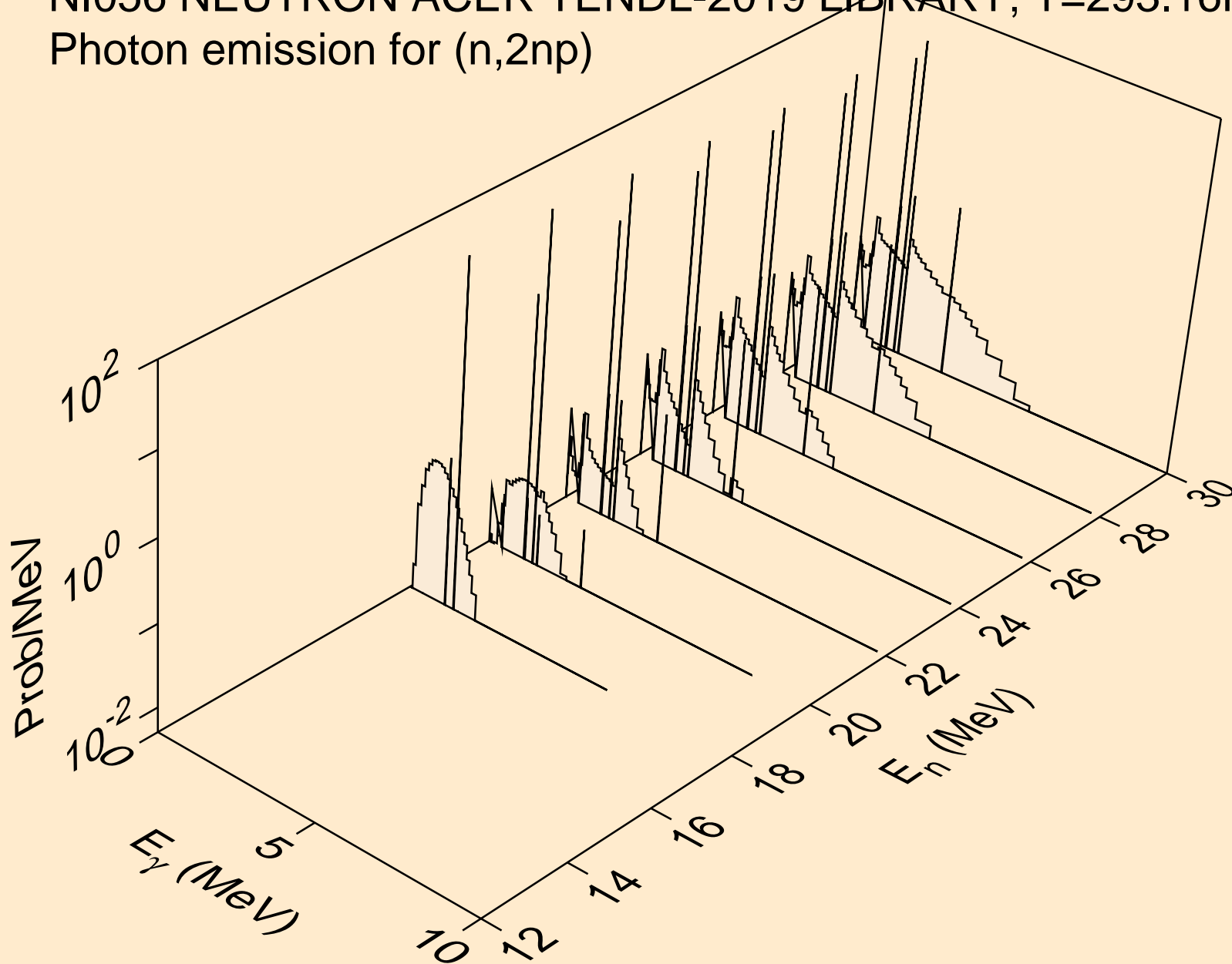
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Photon emission for (n,n\*)he3



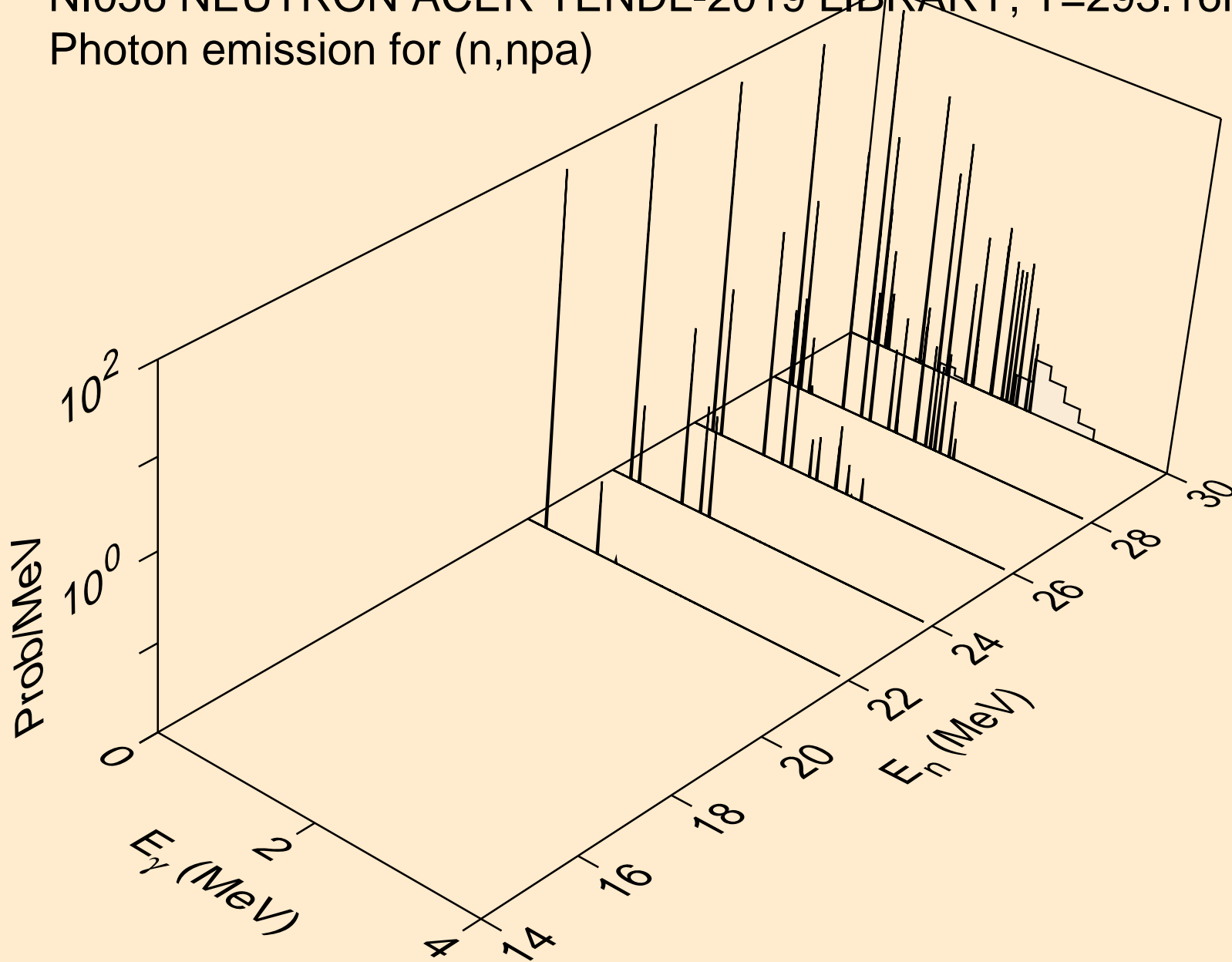
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Photon emission for (n,2np)



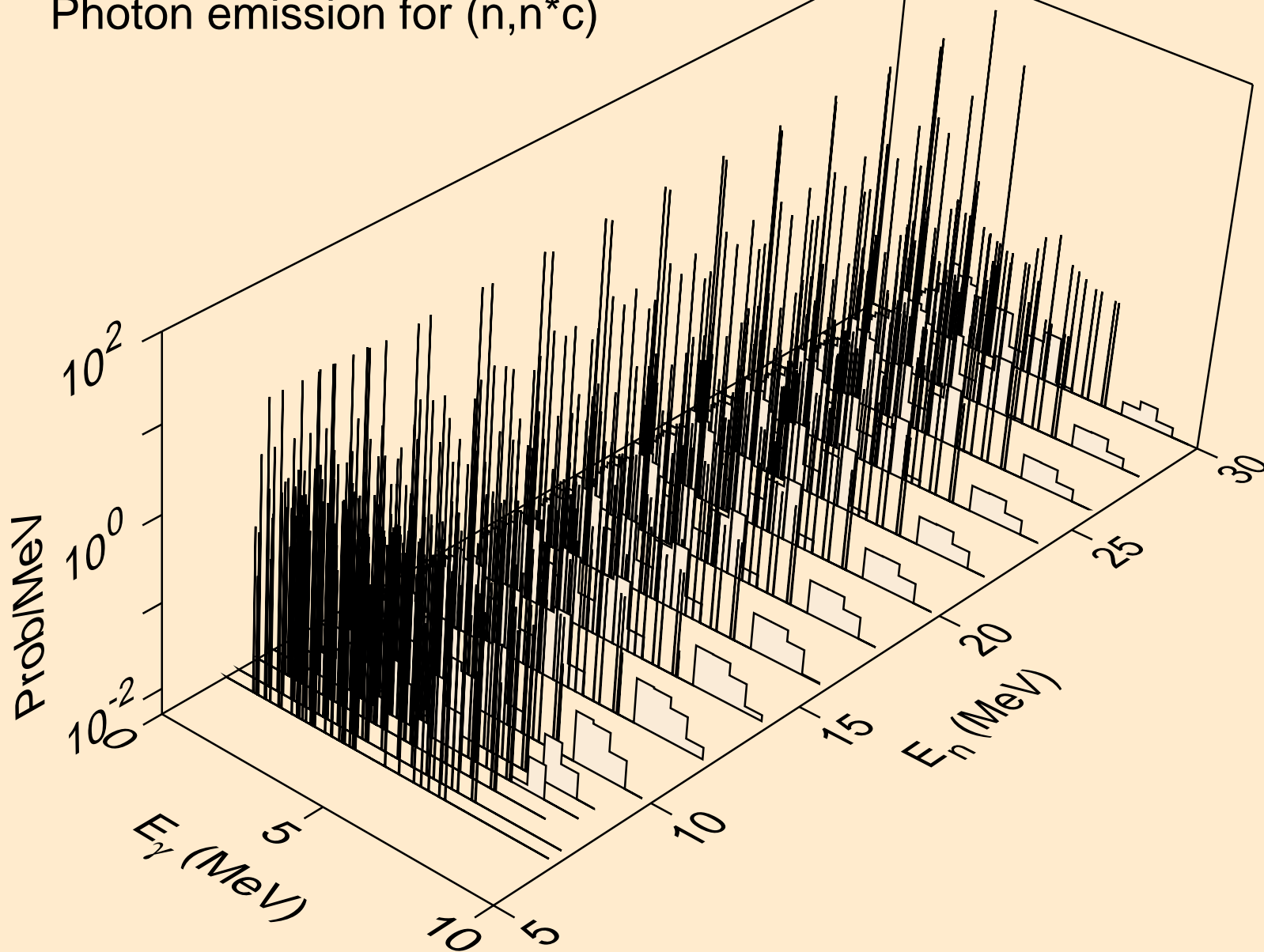
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

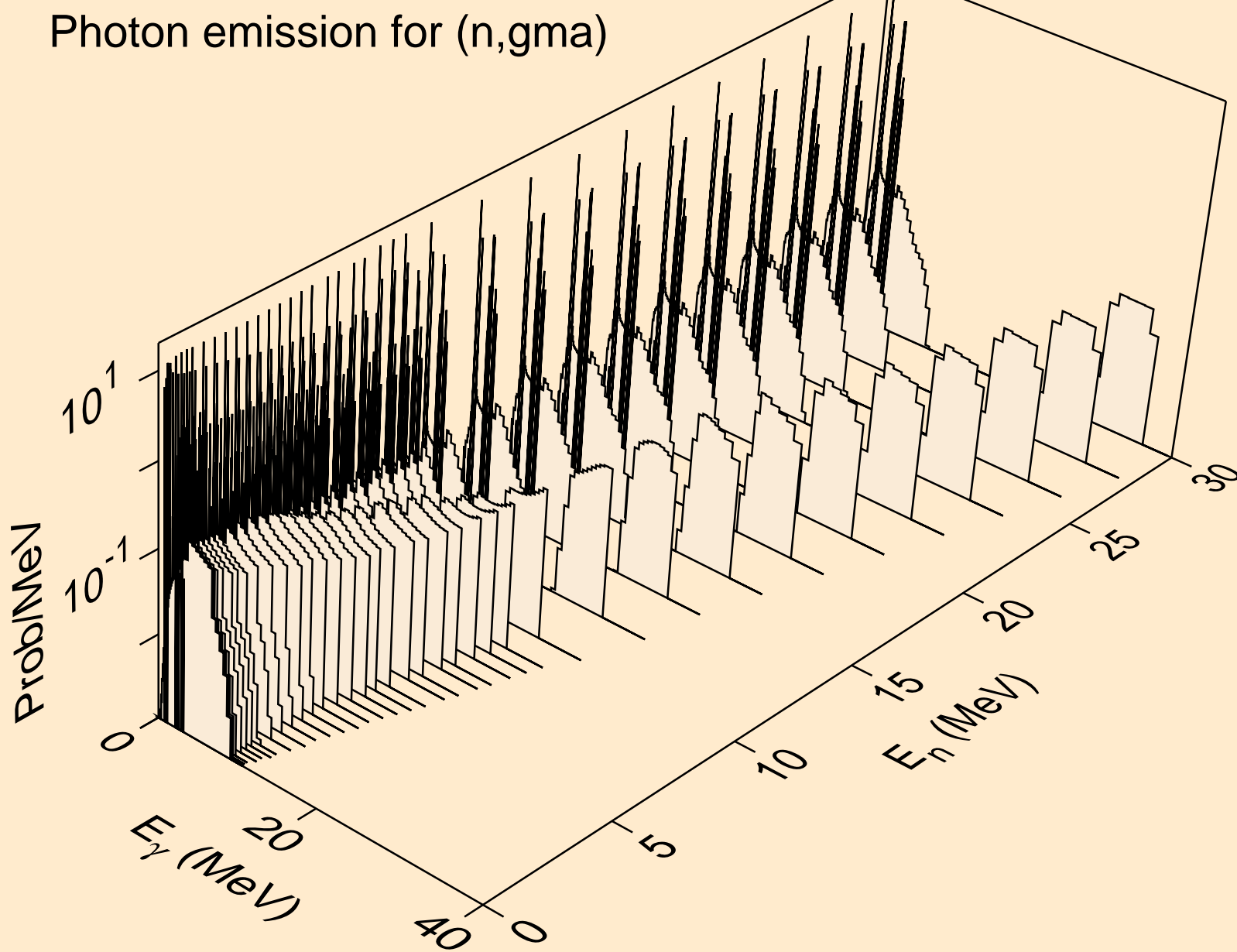


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Photon emission for (n,n\*c)

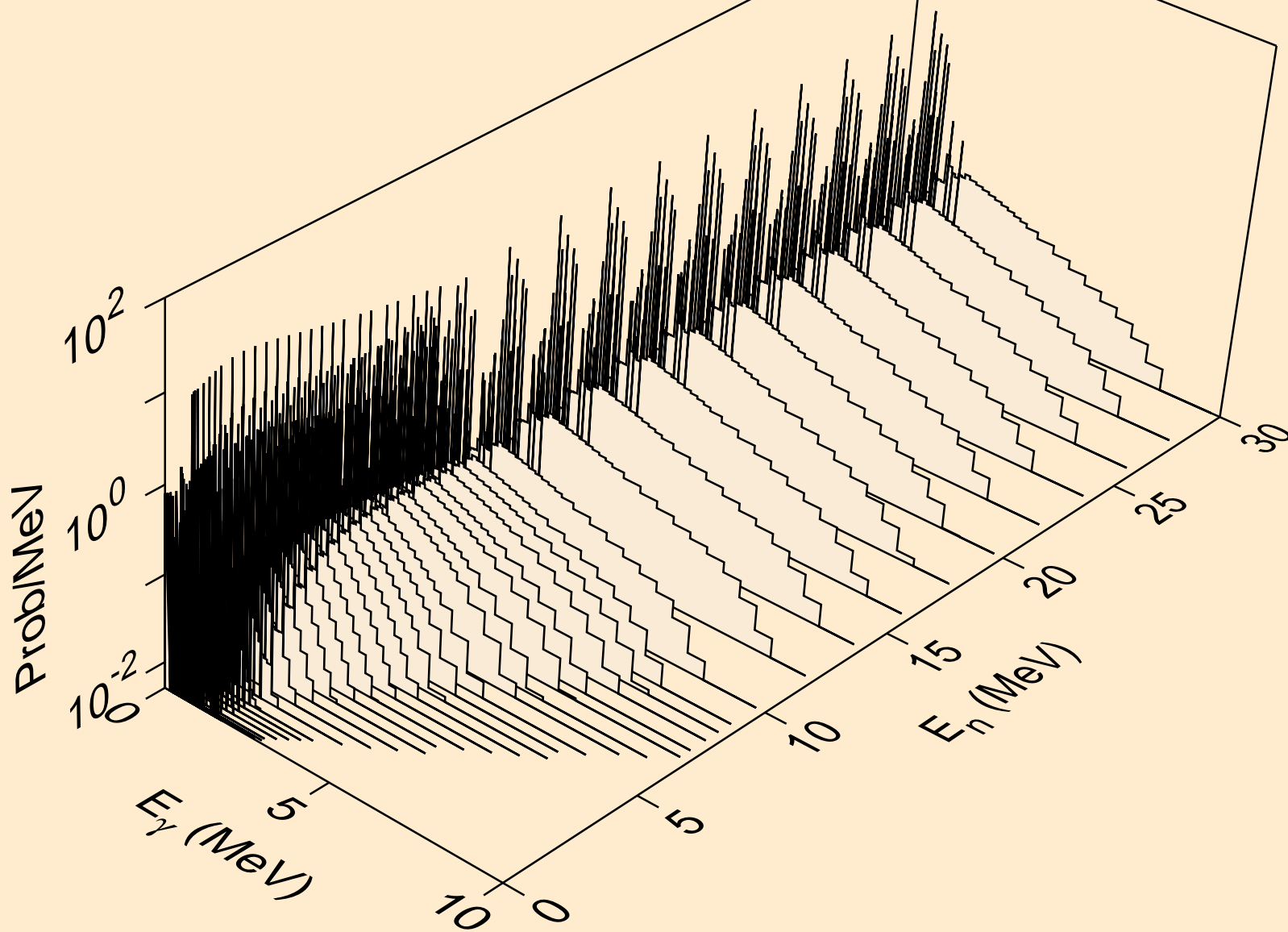




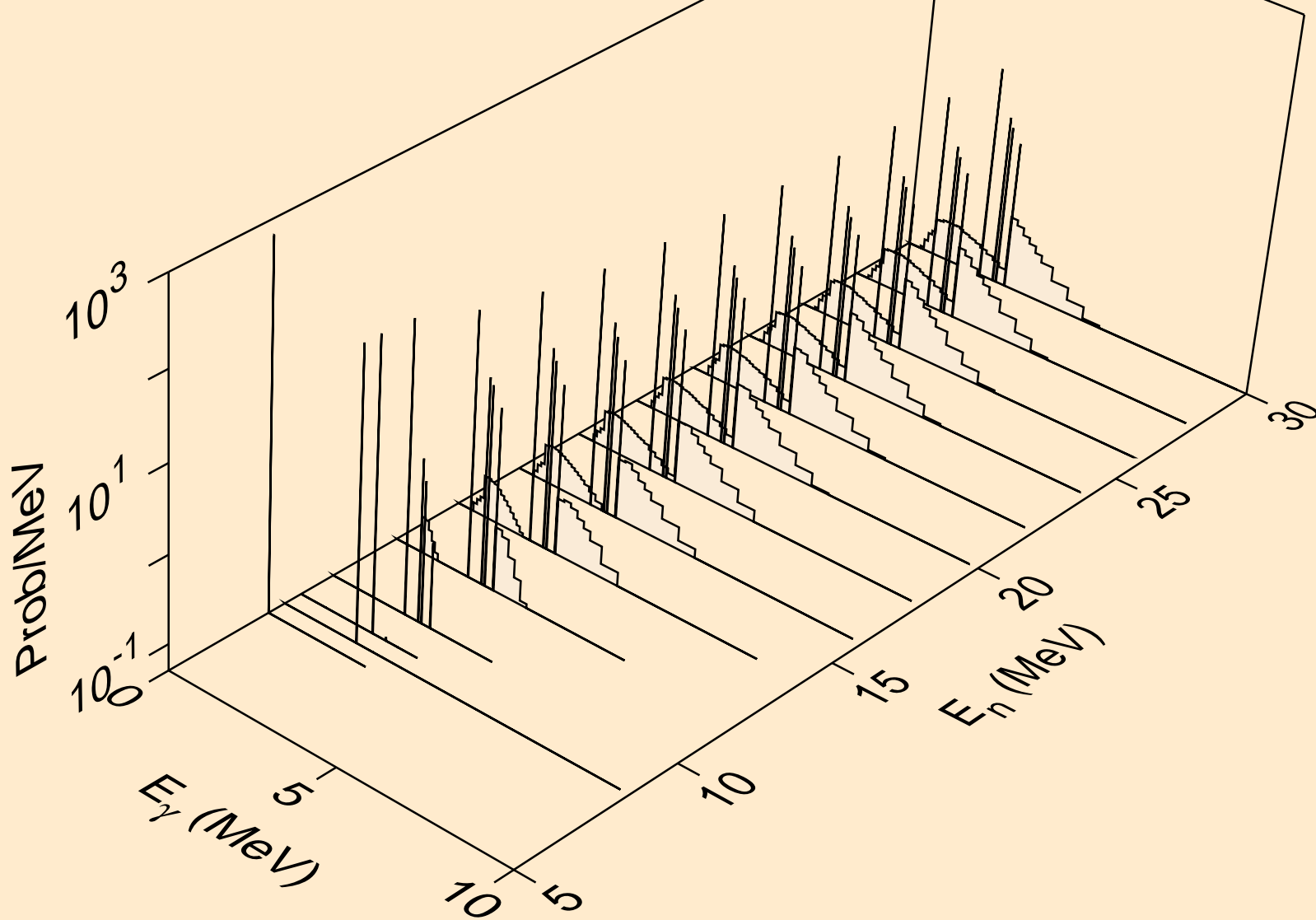
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Photon emission for (n,gma)



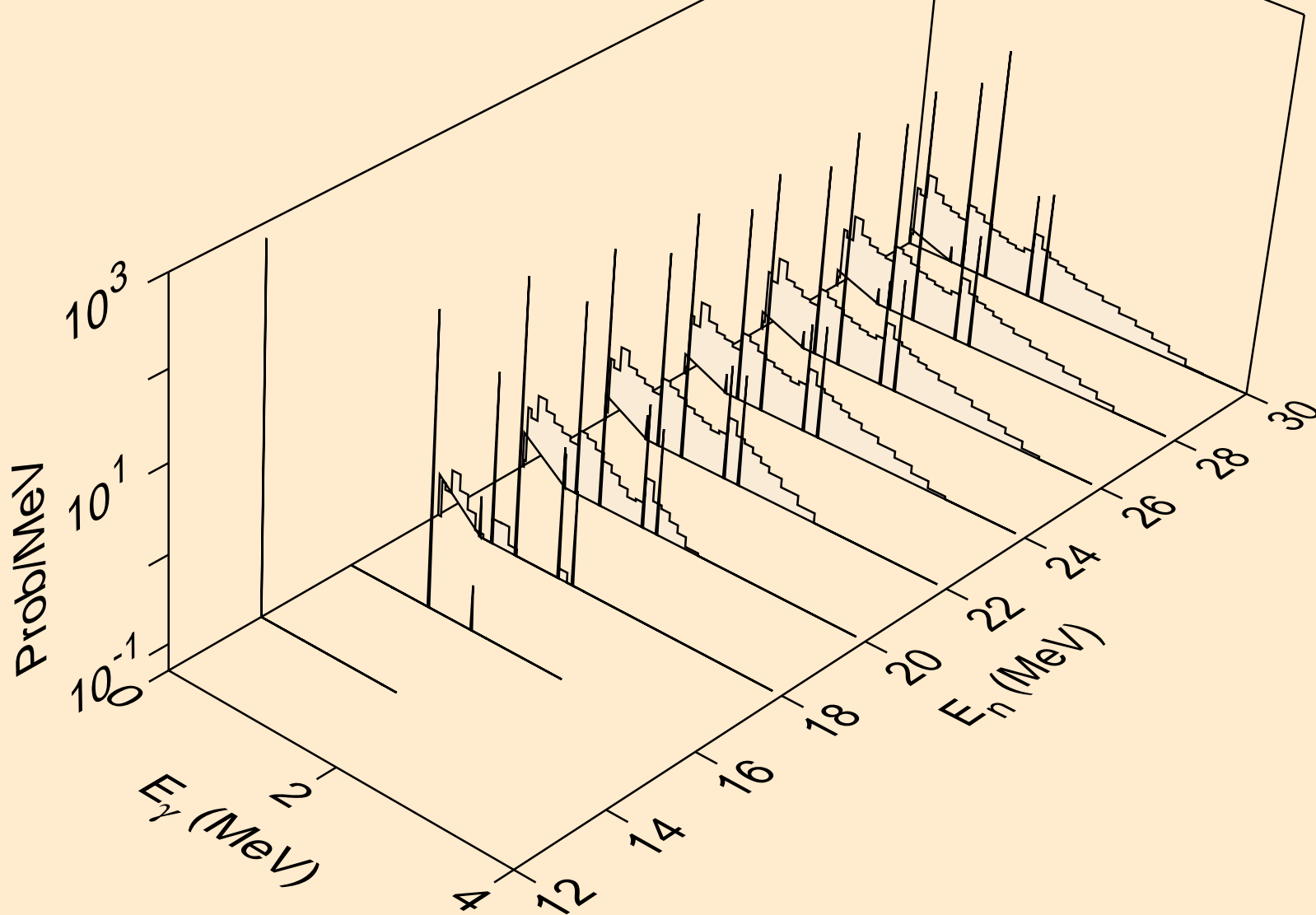
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



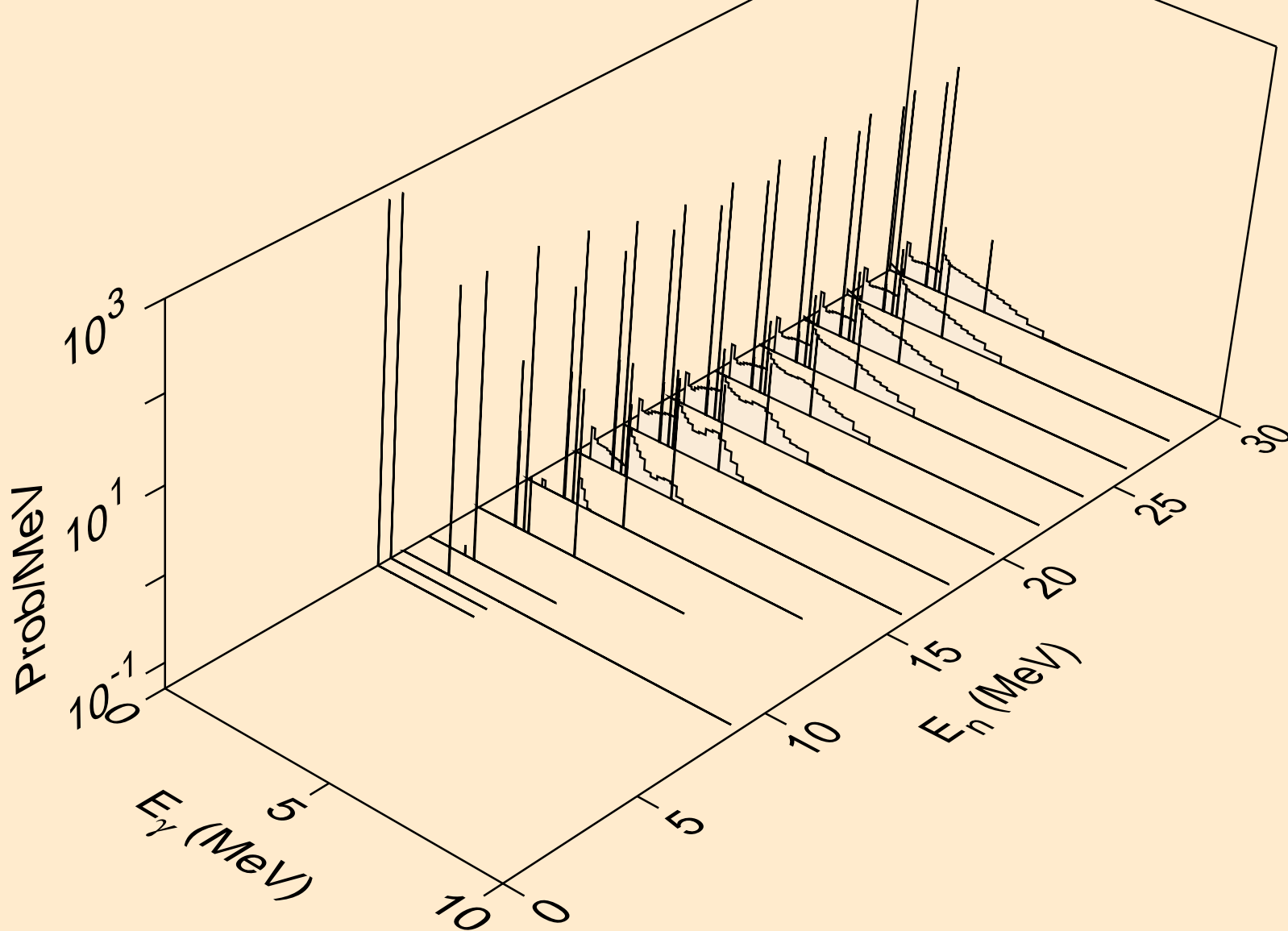
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



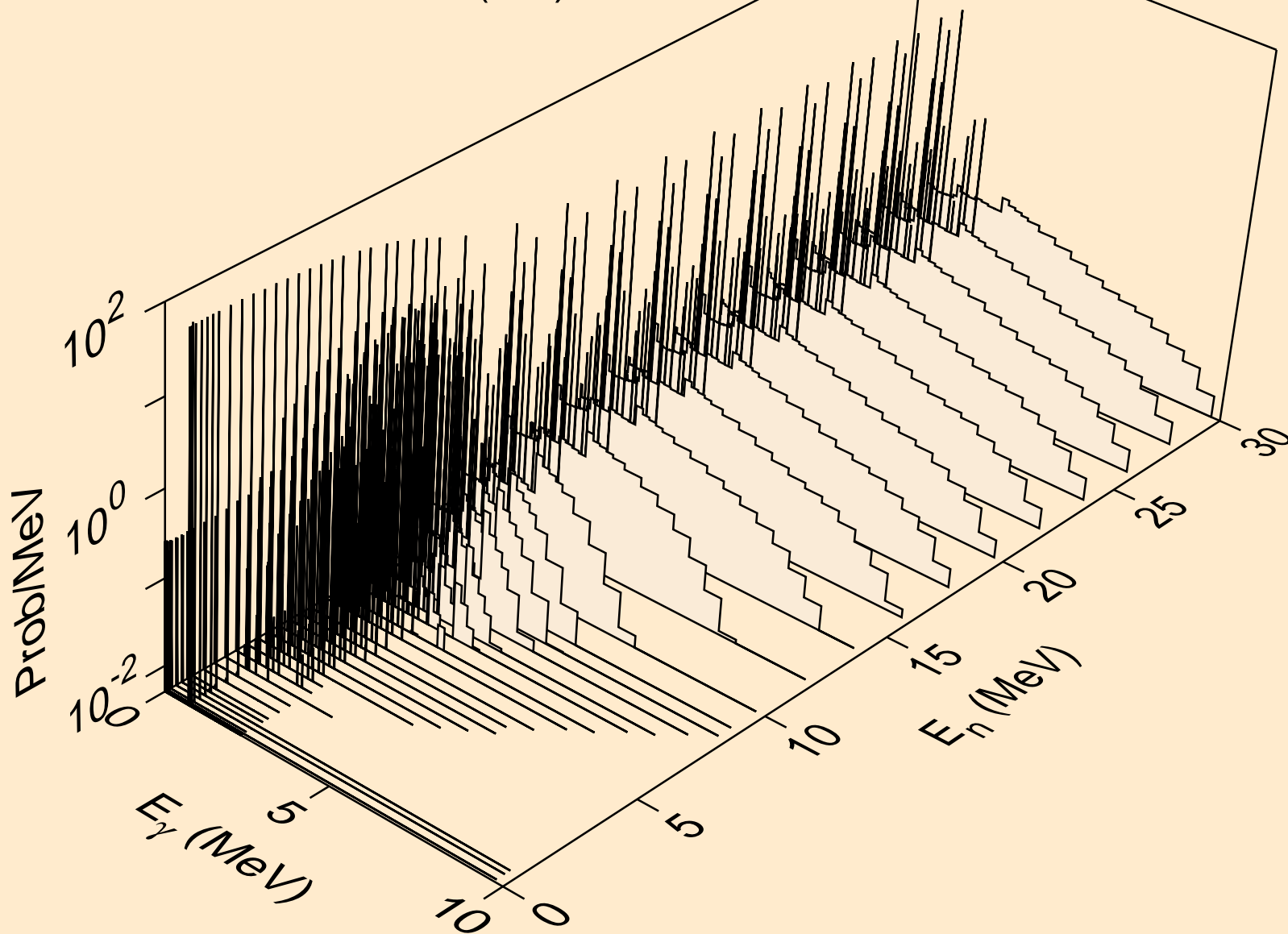
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



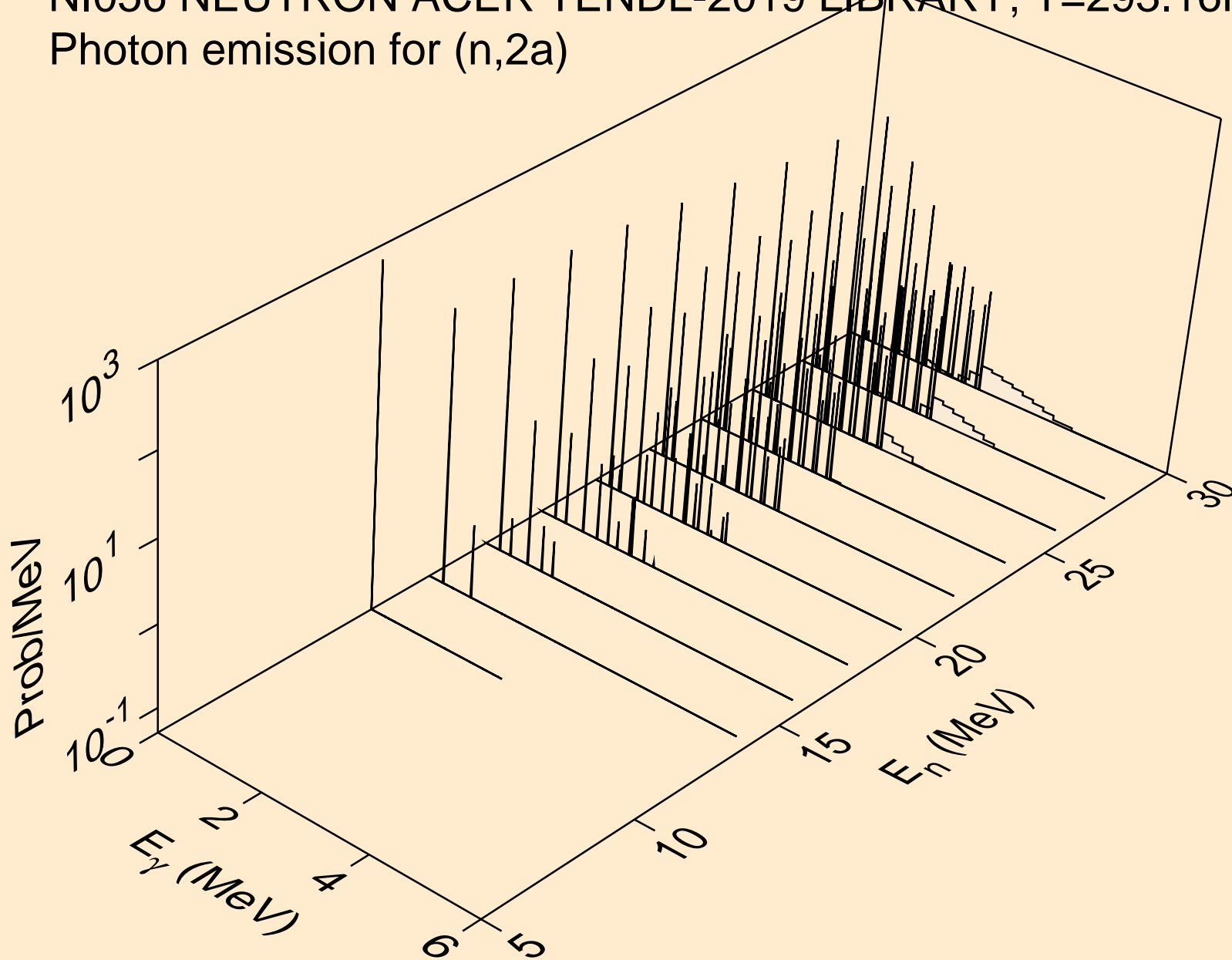
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



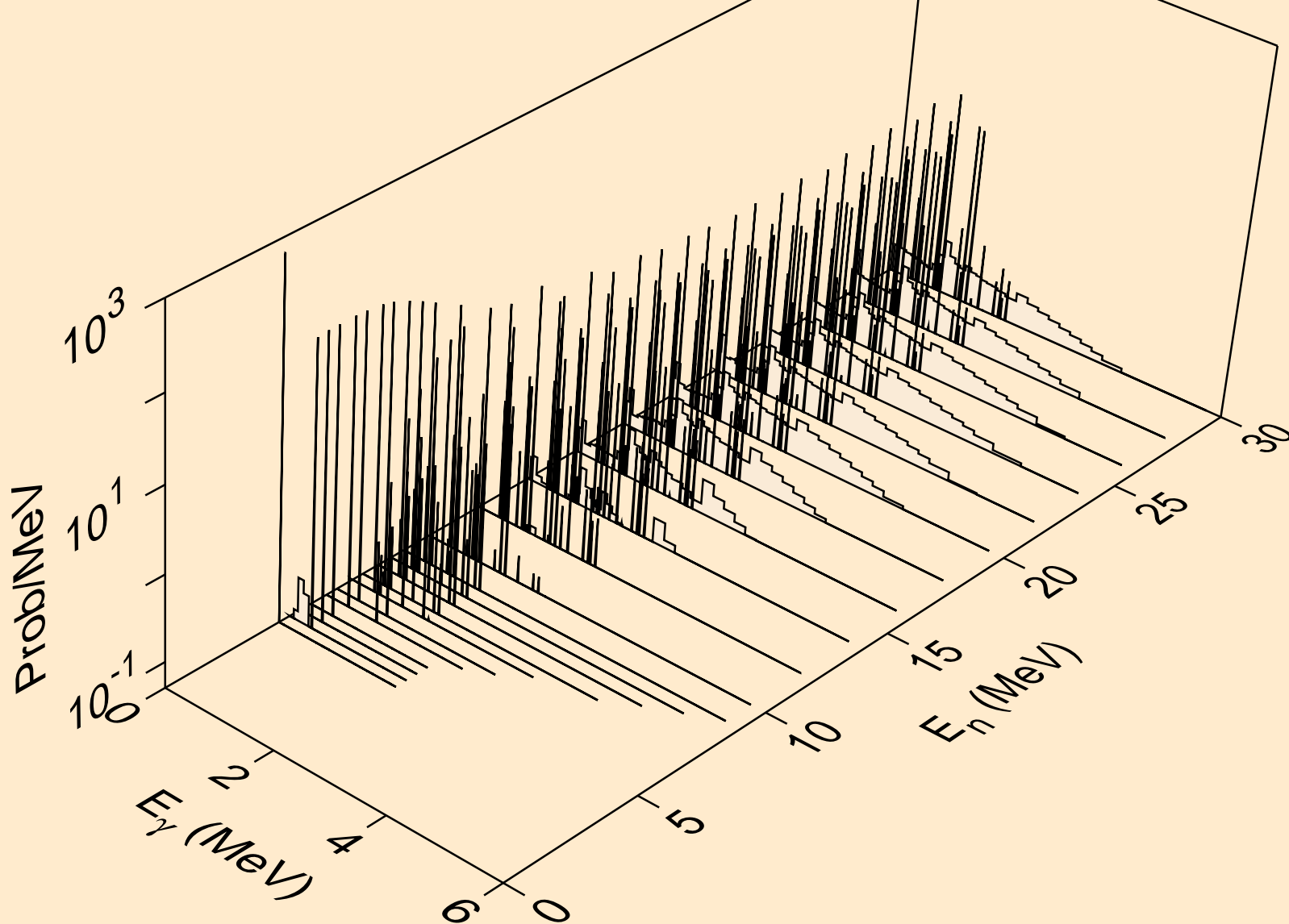
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

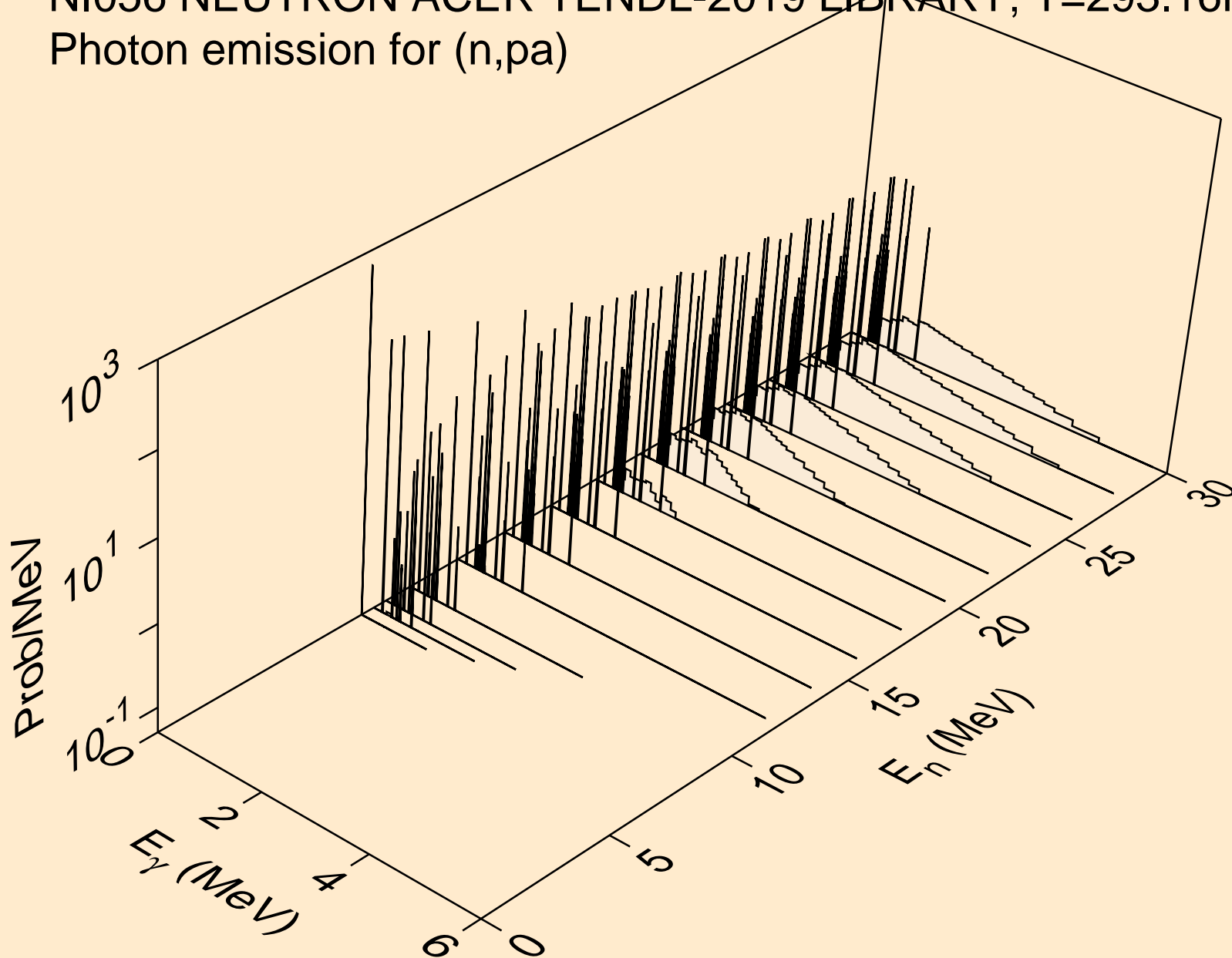


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

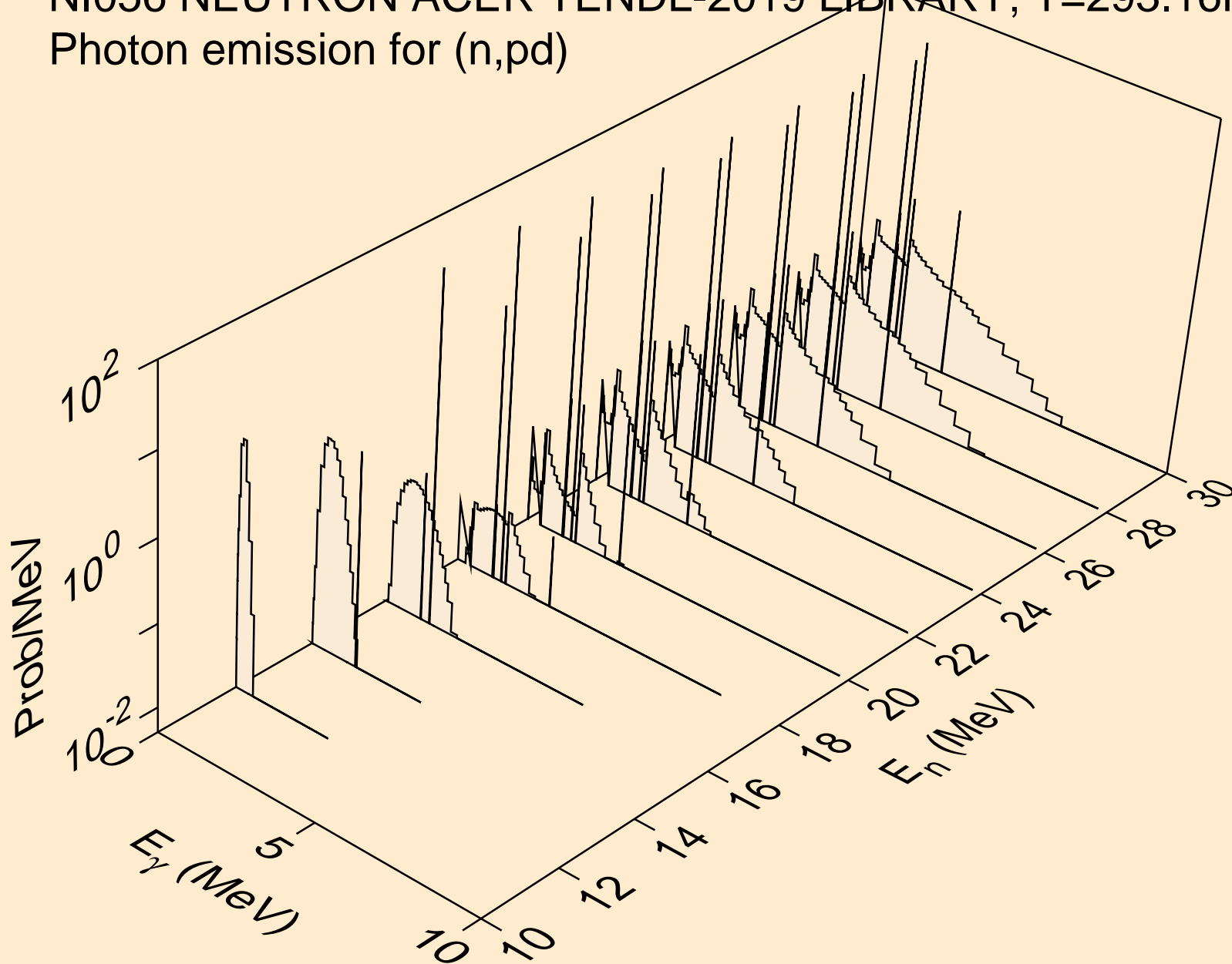




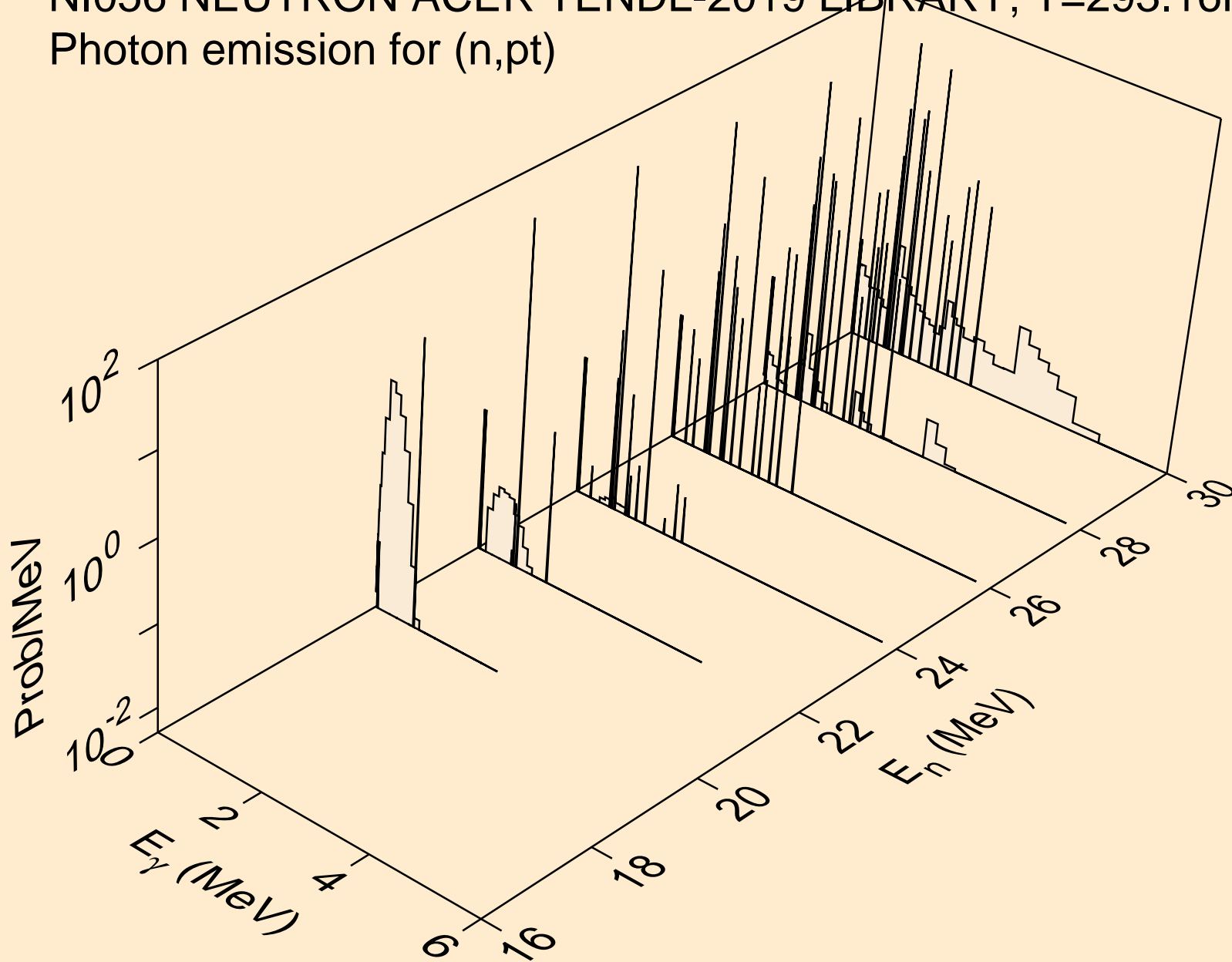
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



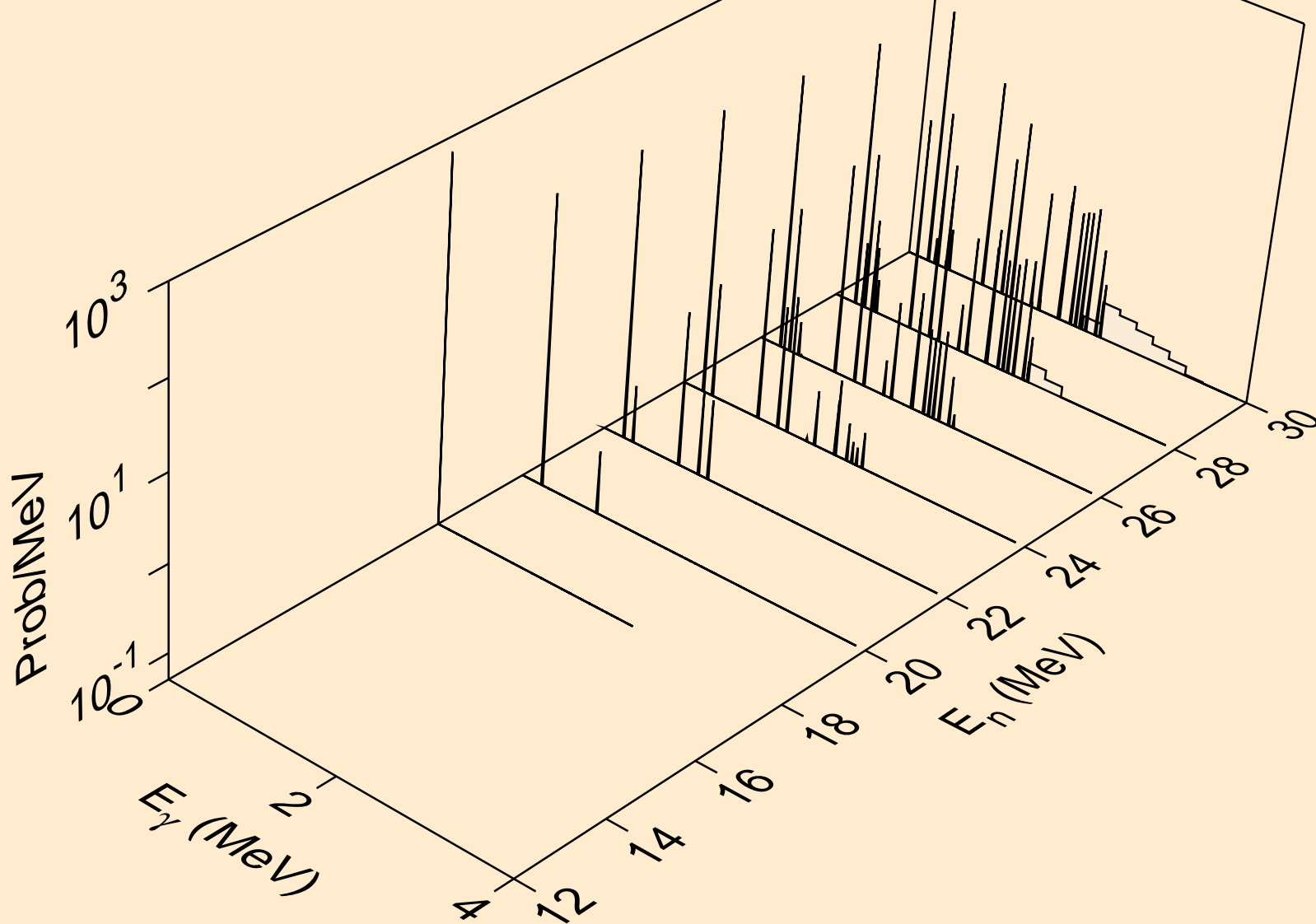
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



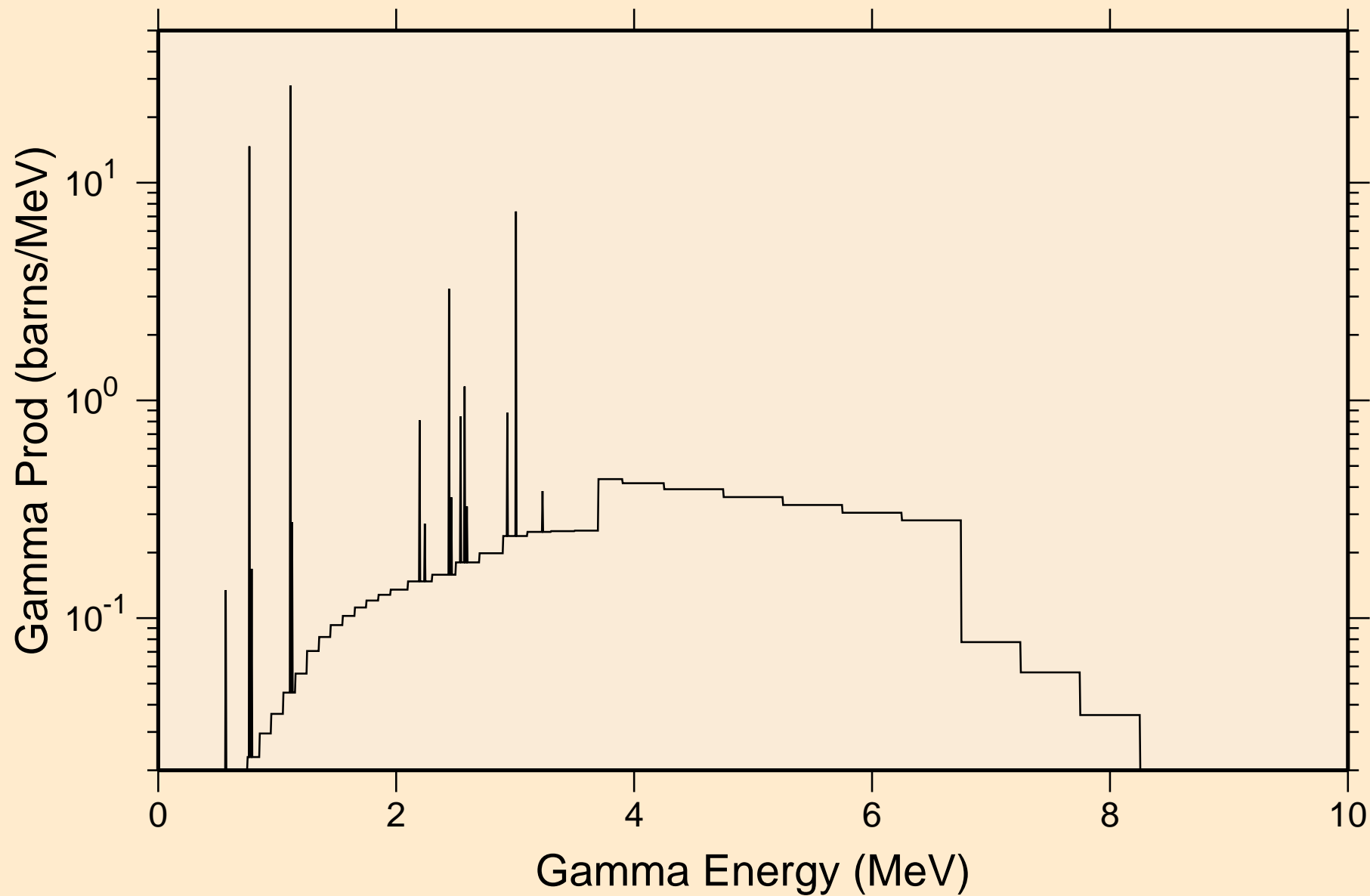
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



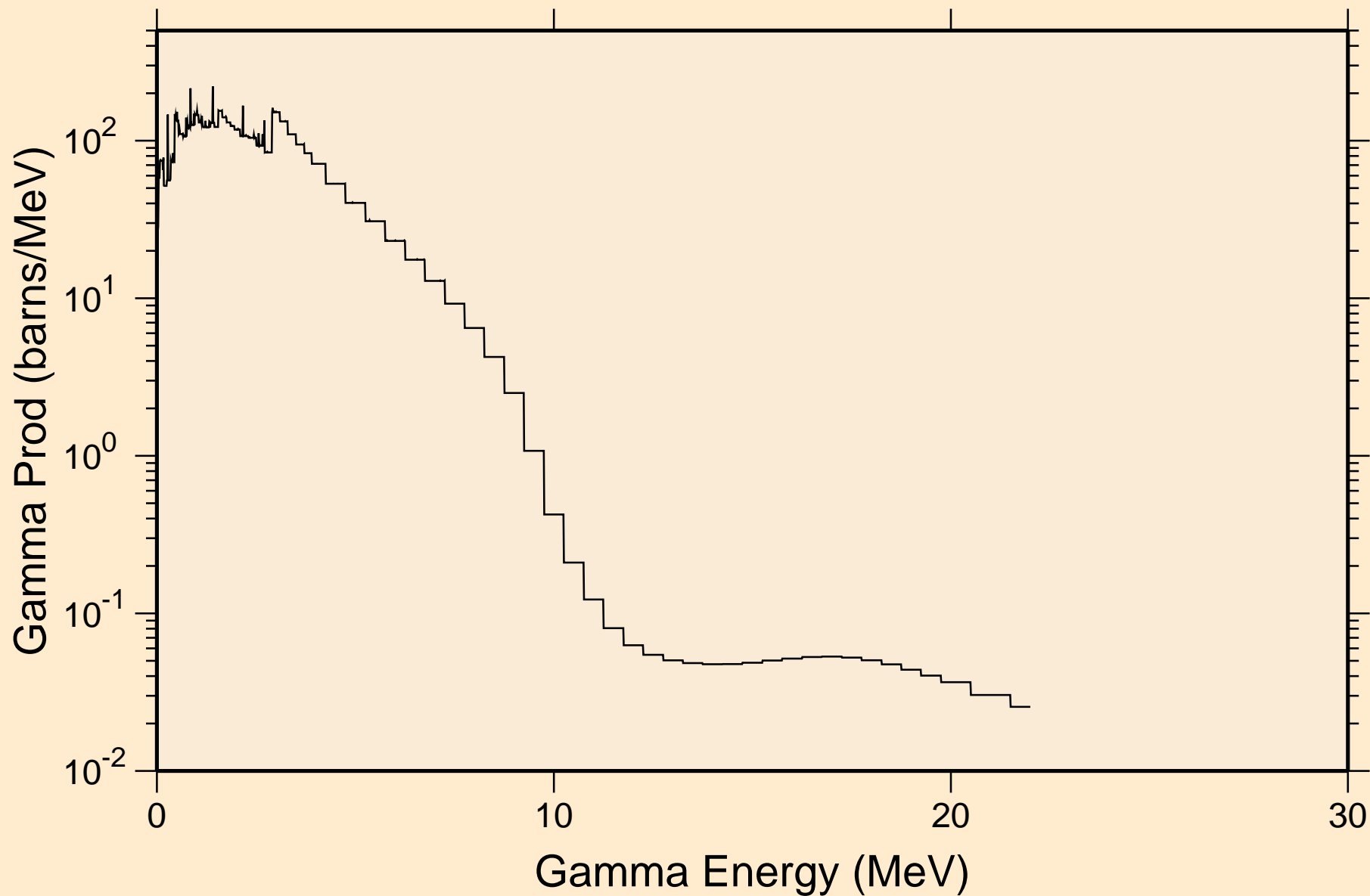
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

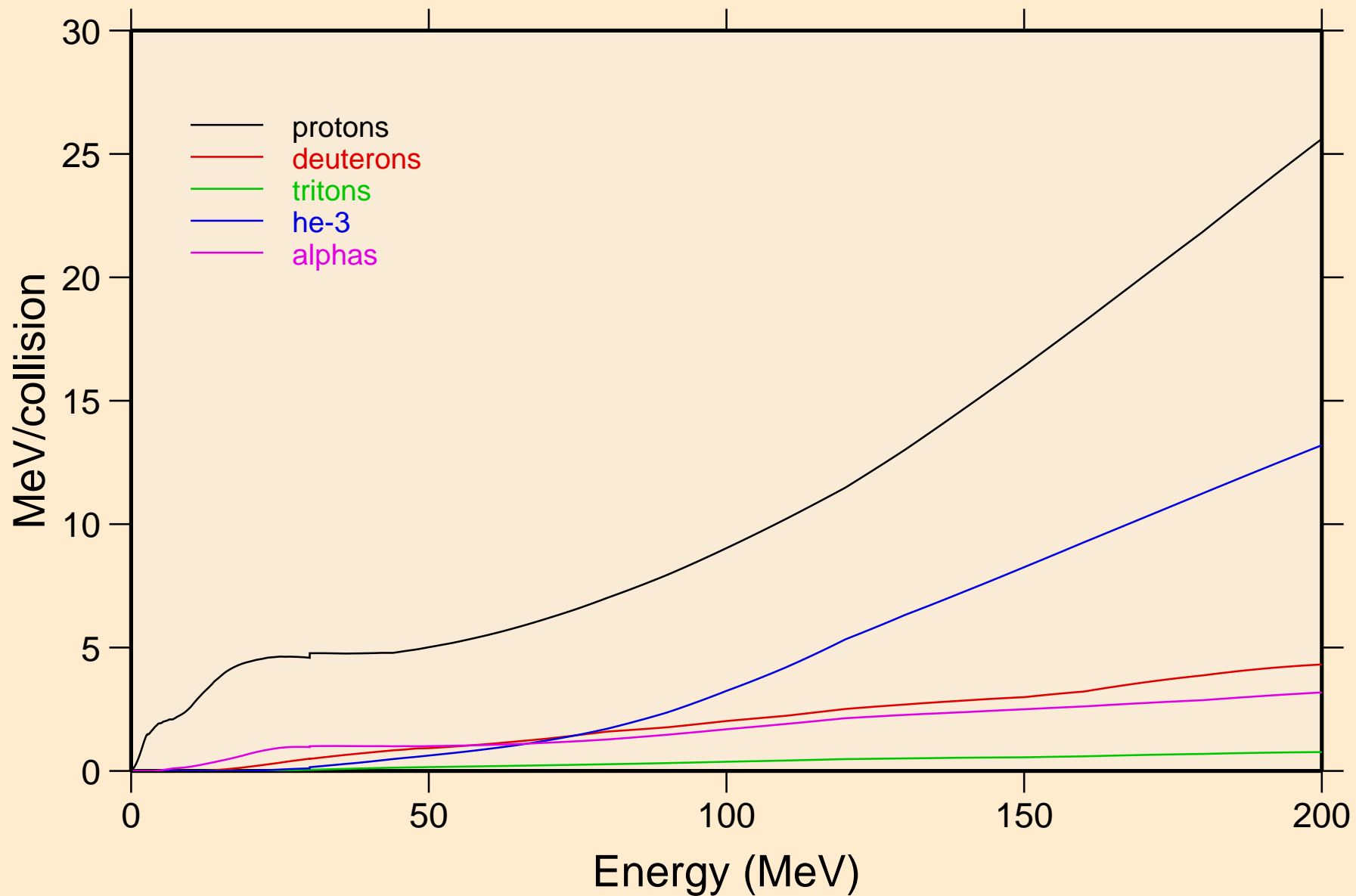


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

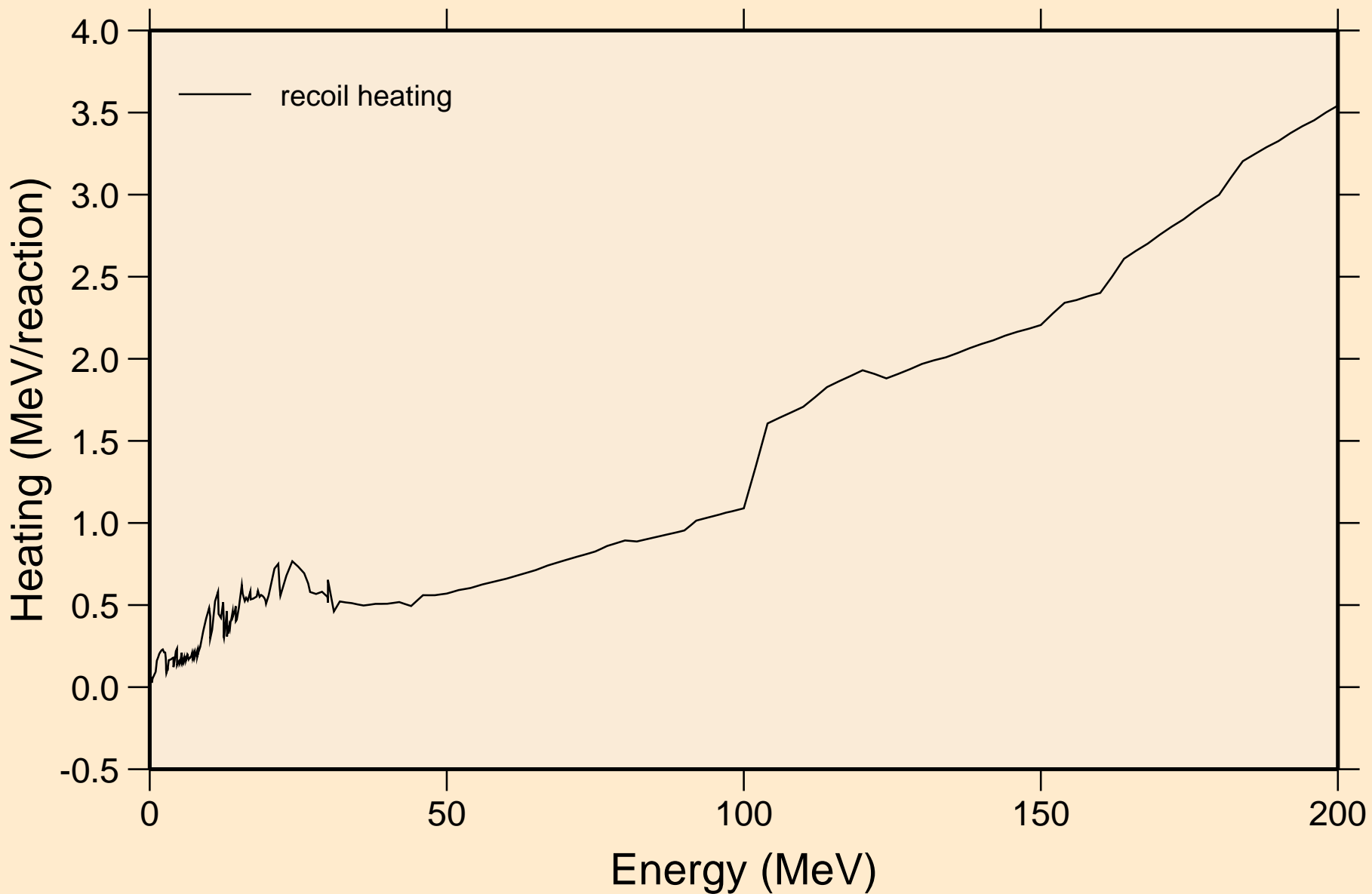


# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



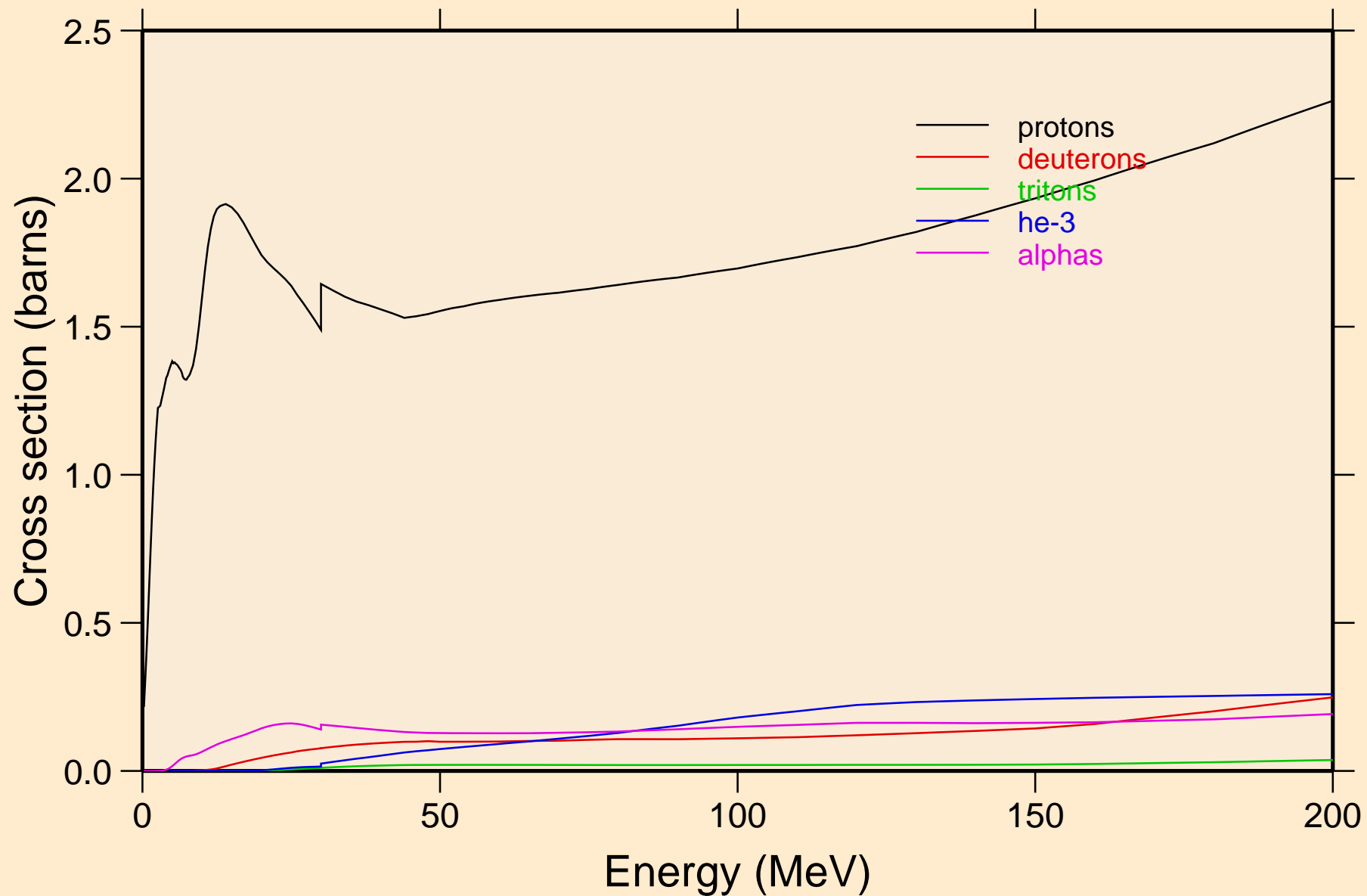
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



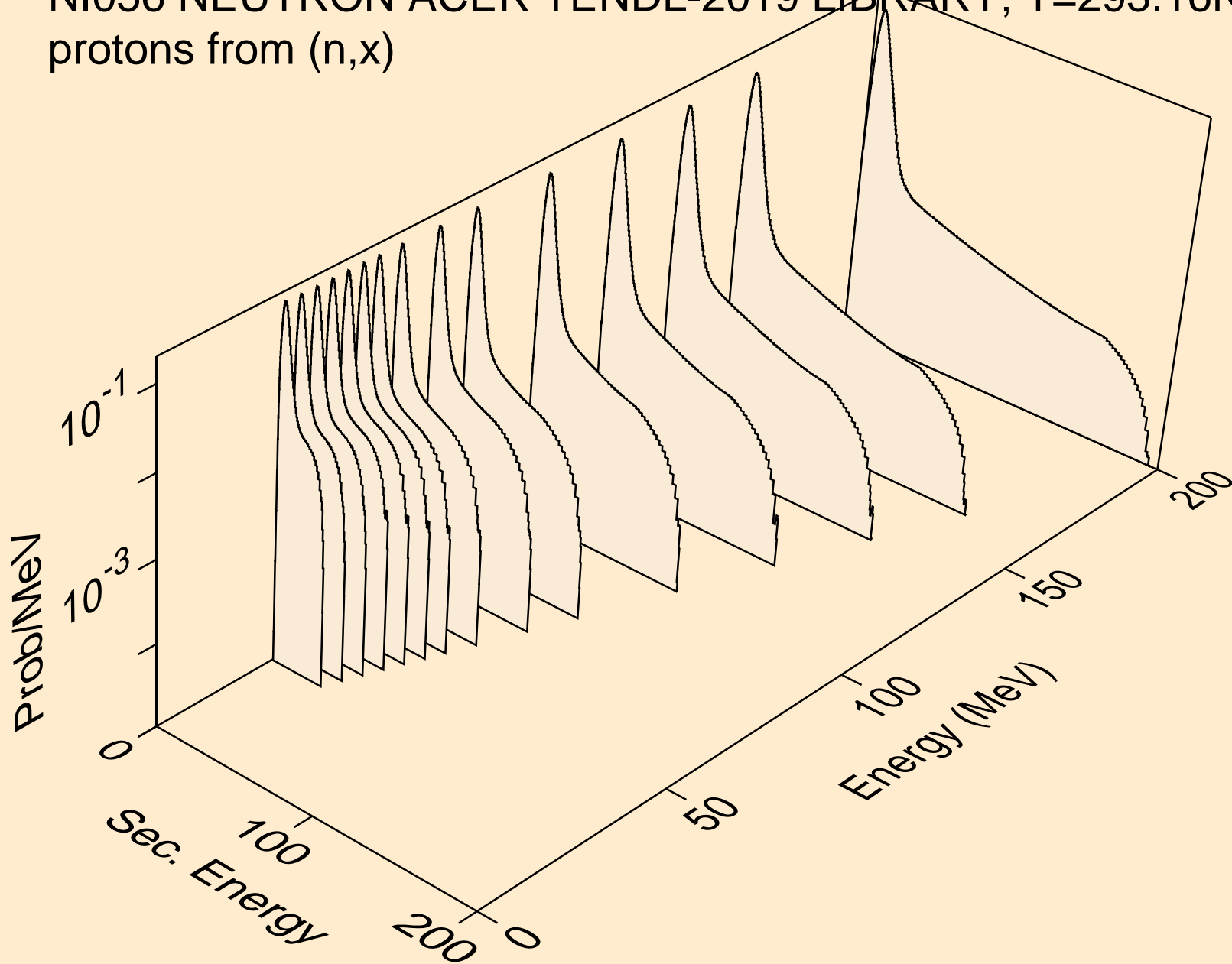


# NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

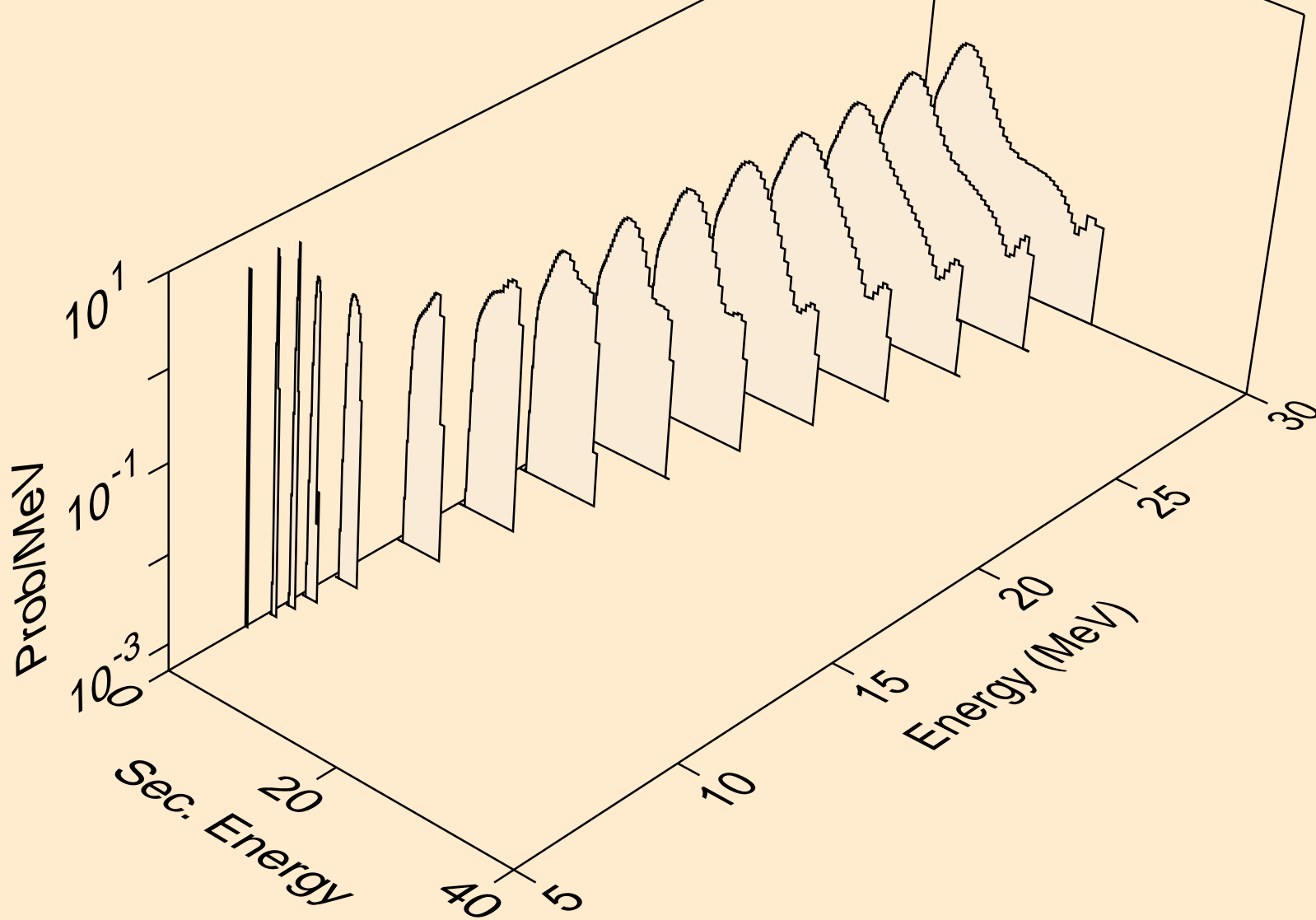
## Particle production cross sections



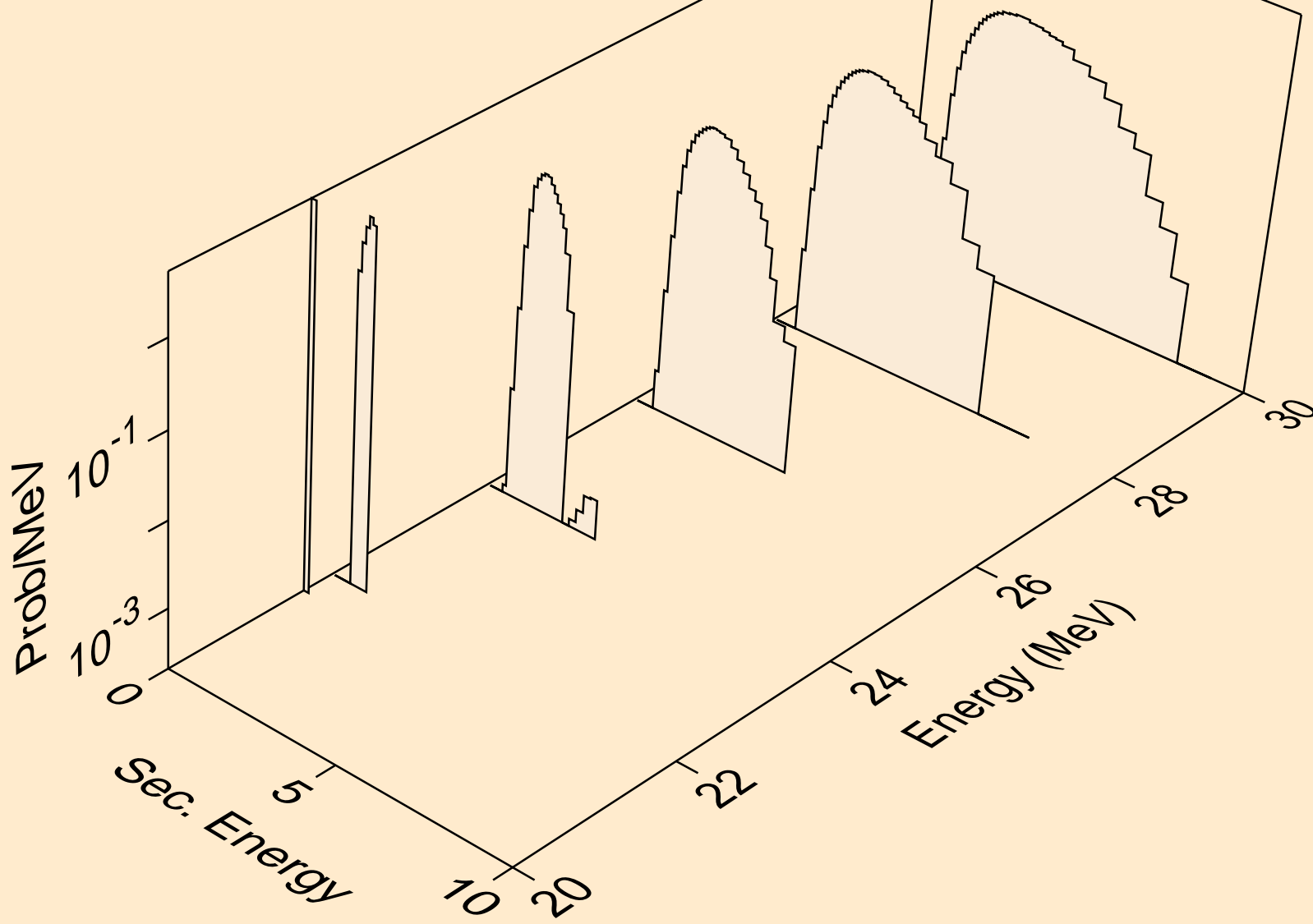
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



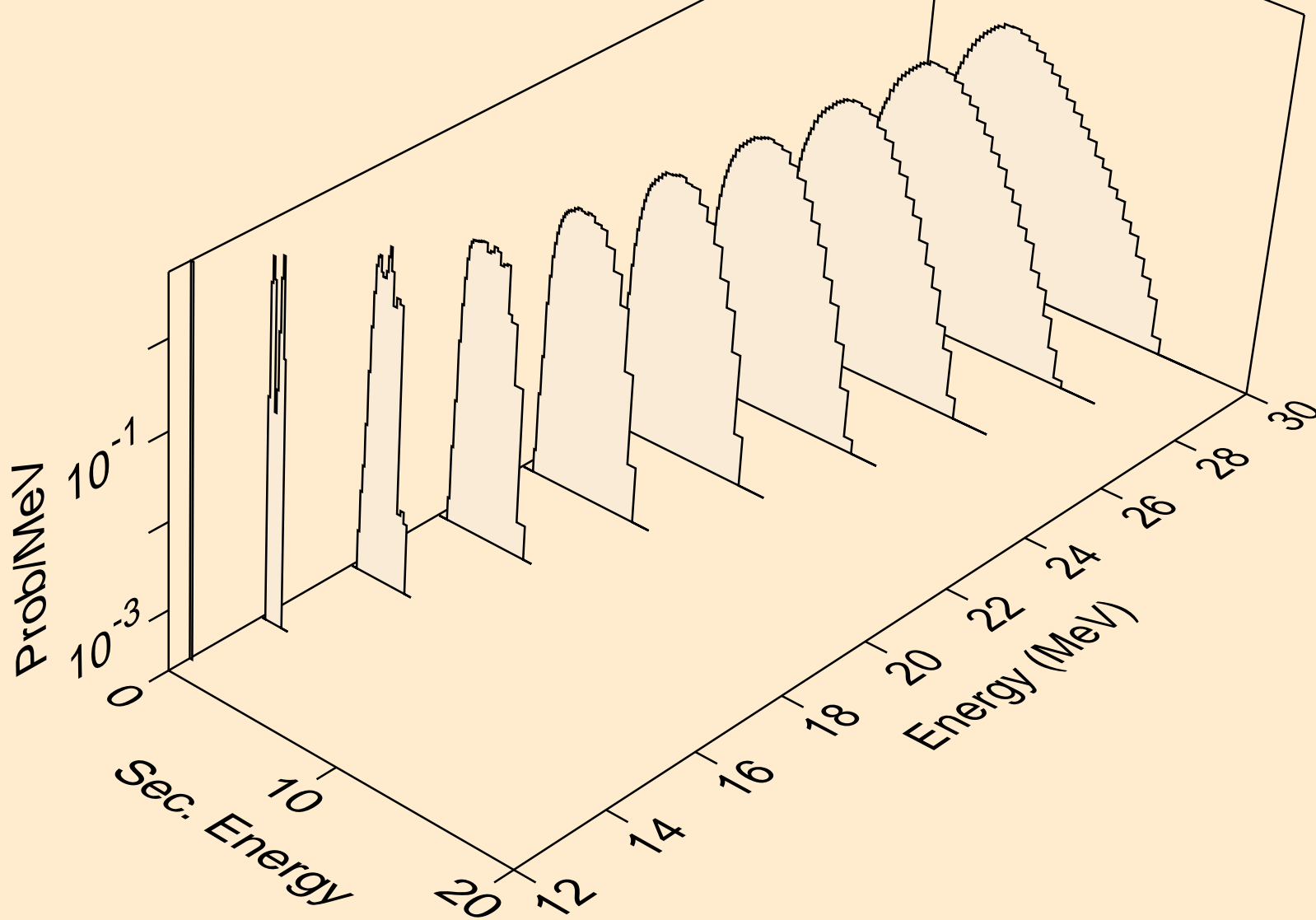
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



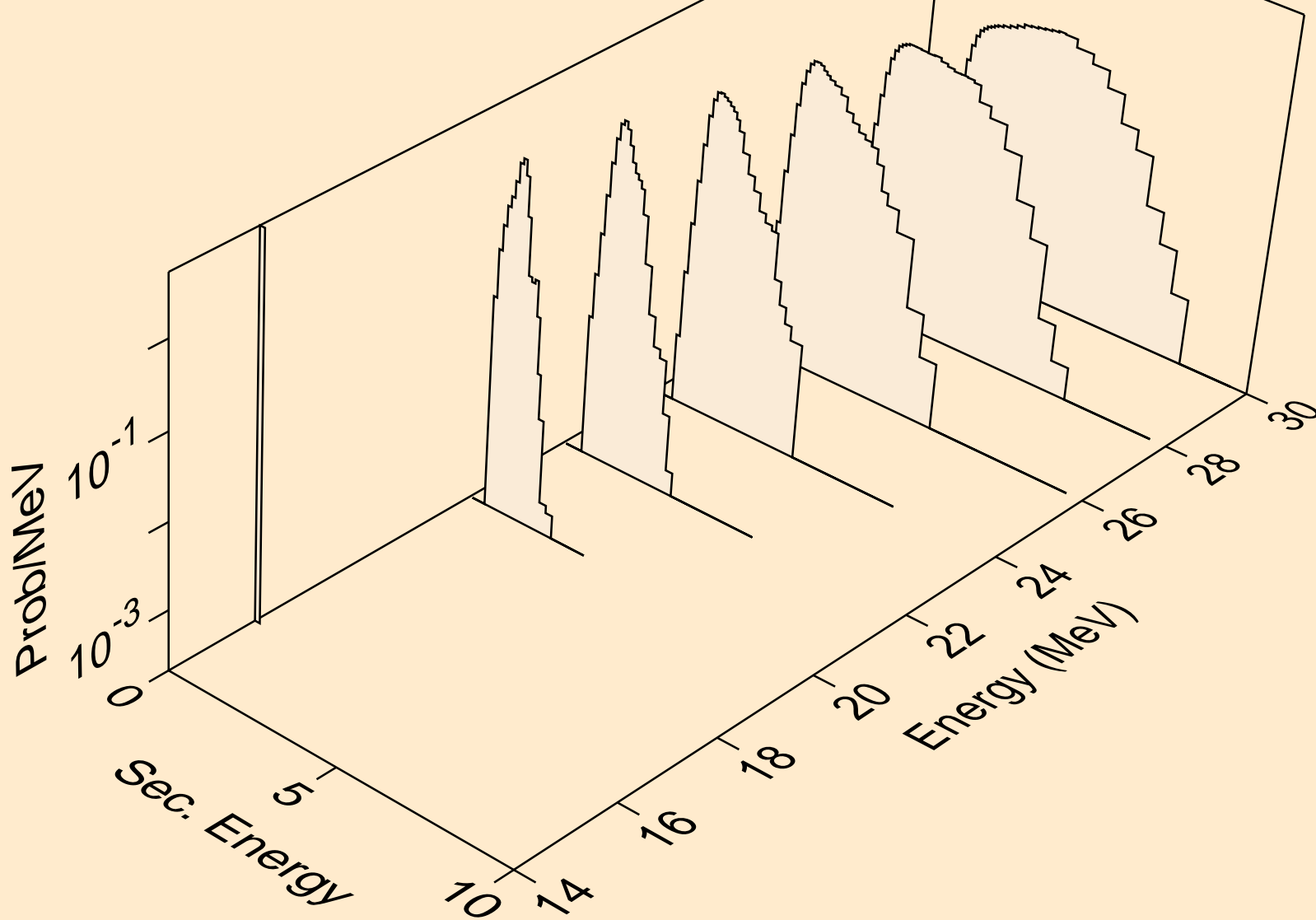
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



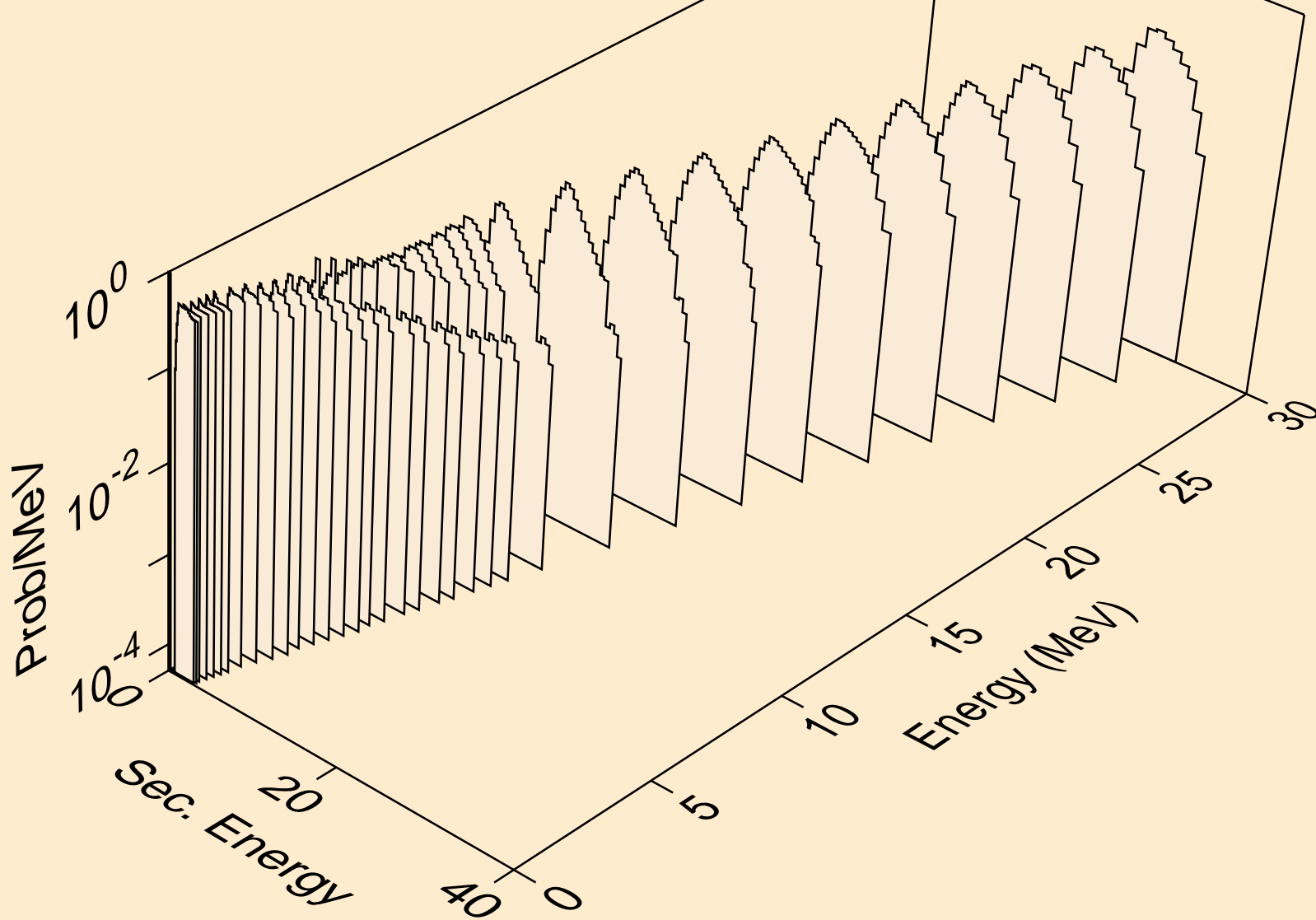
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protons from (n,2np)



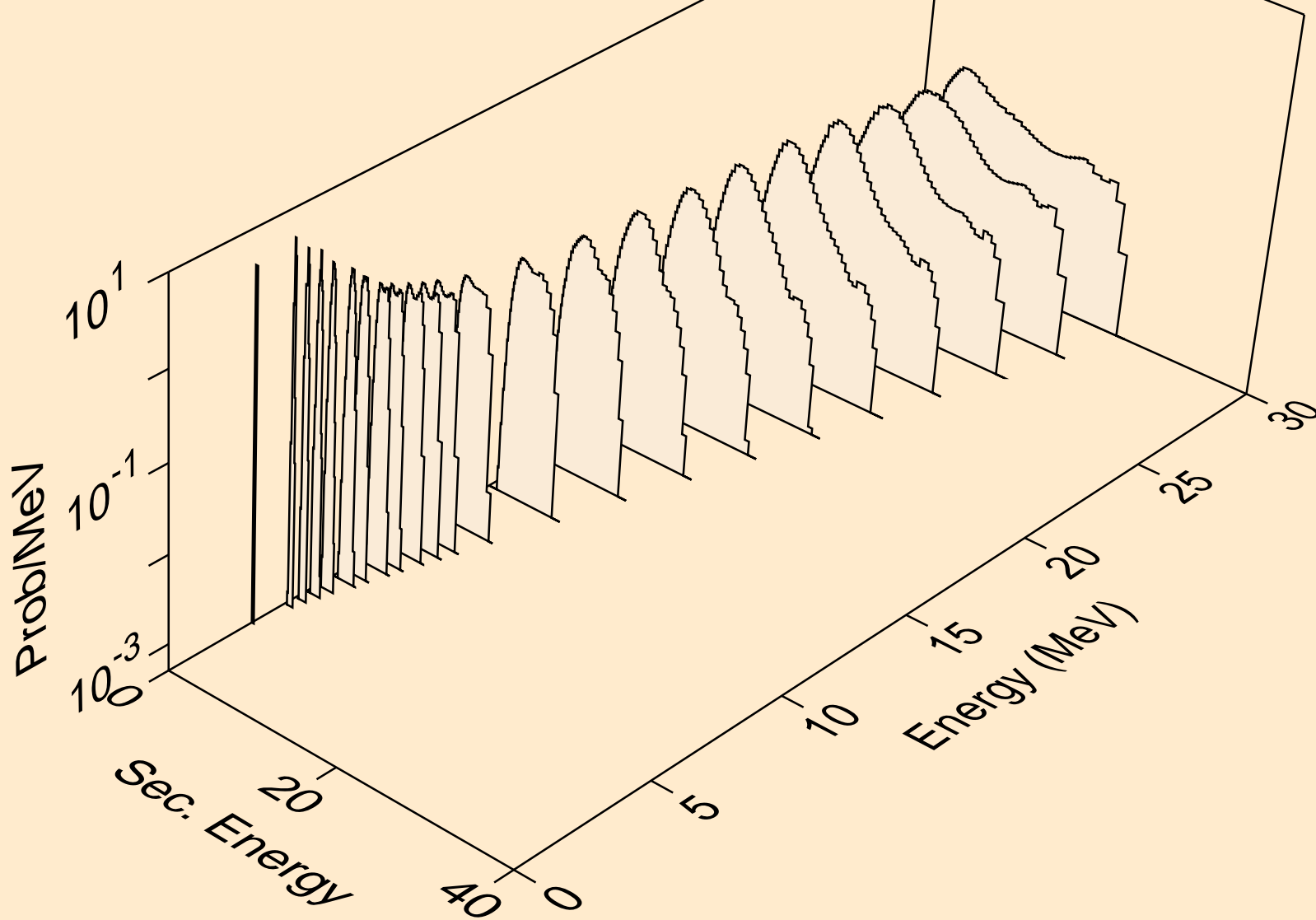
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

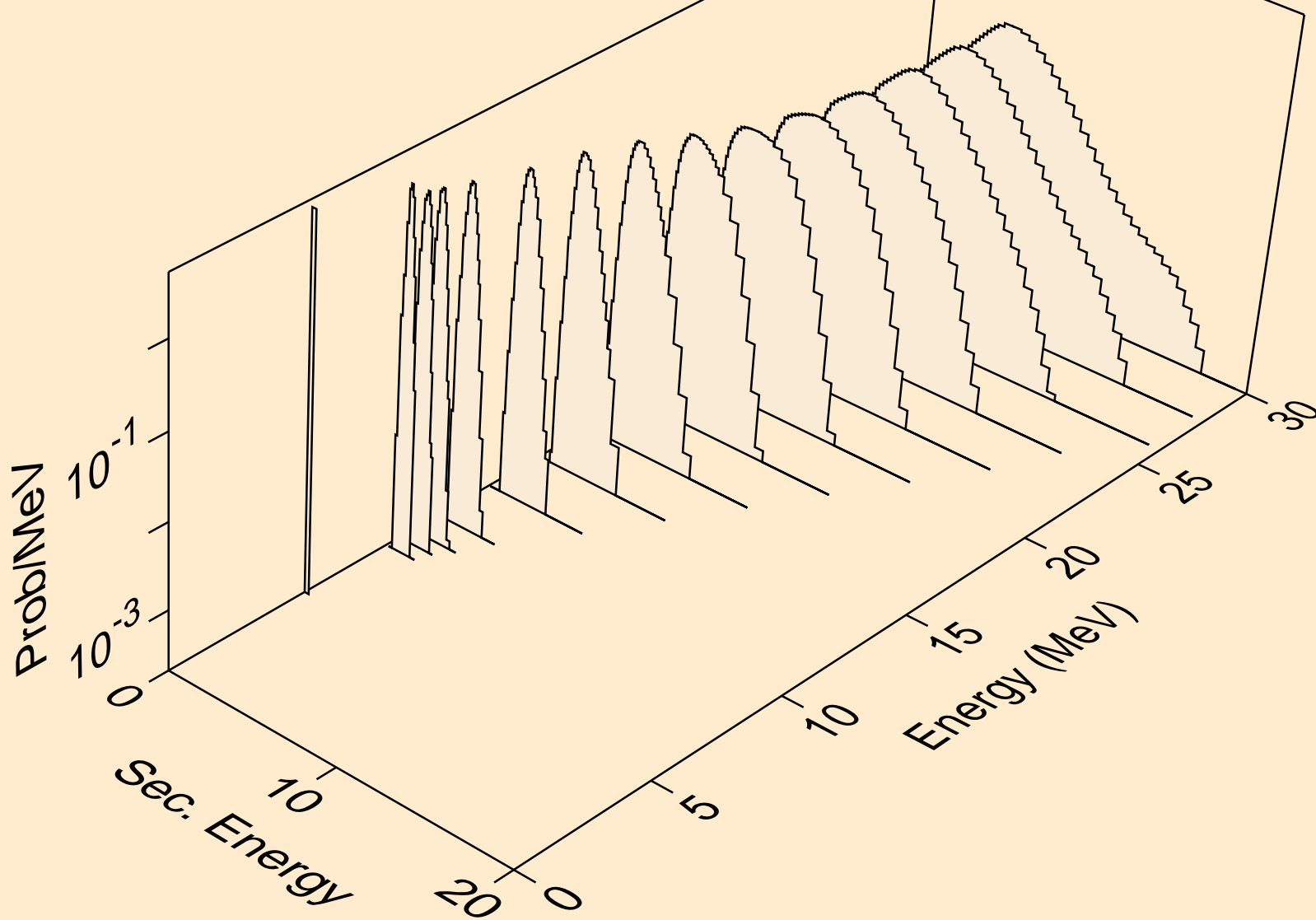


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

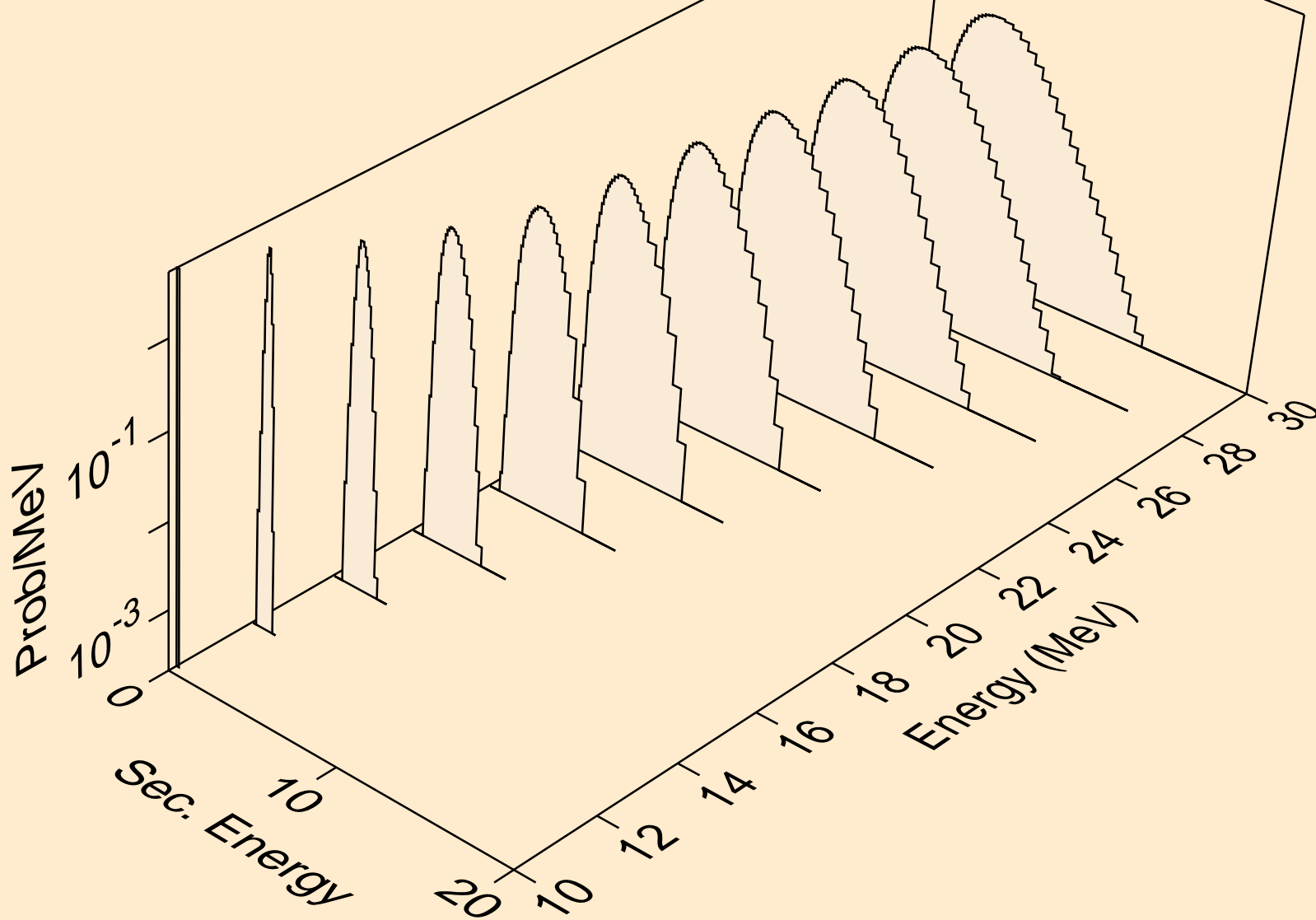




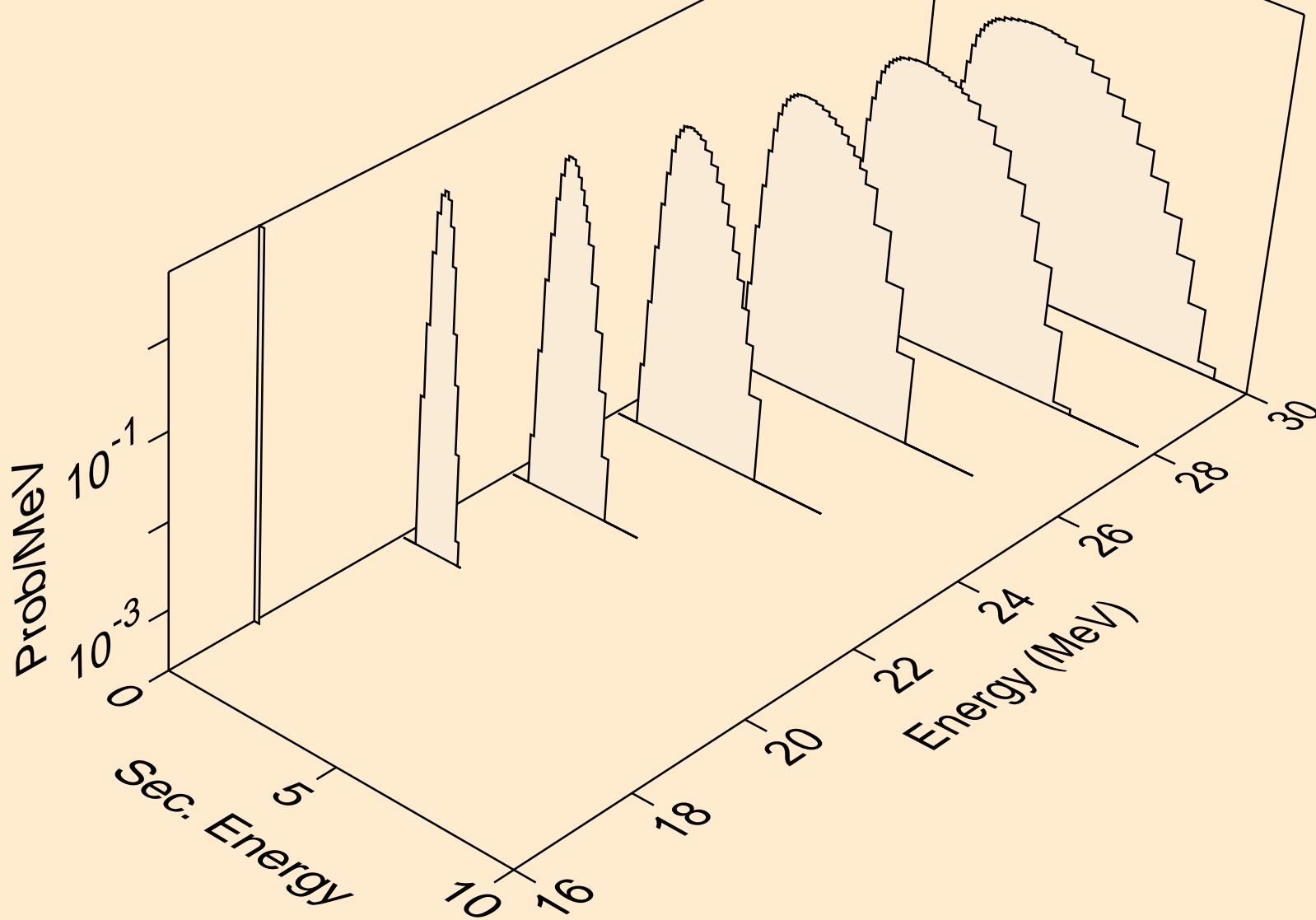
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



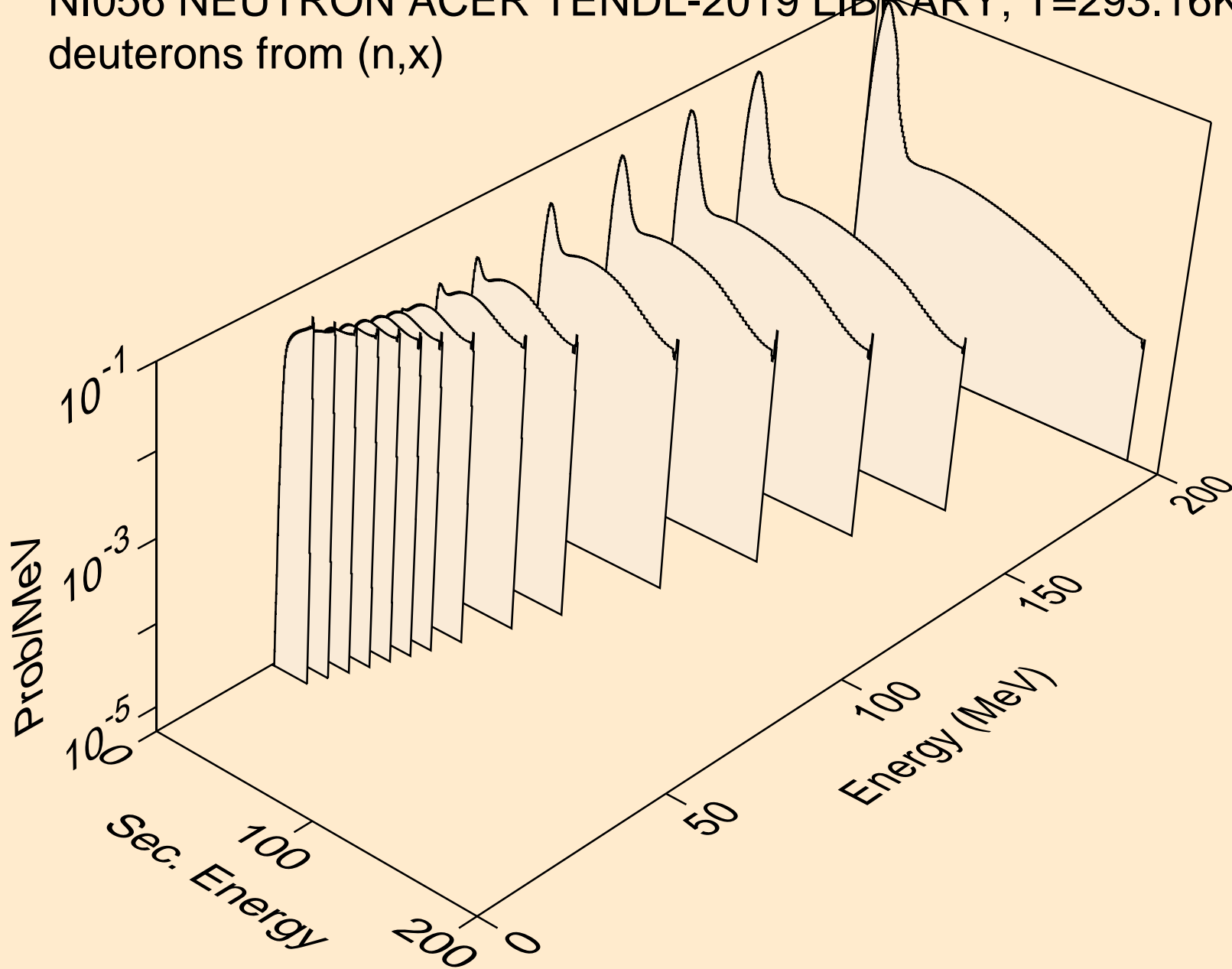
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protons from (n,pd)



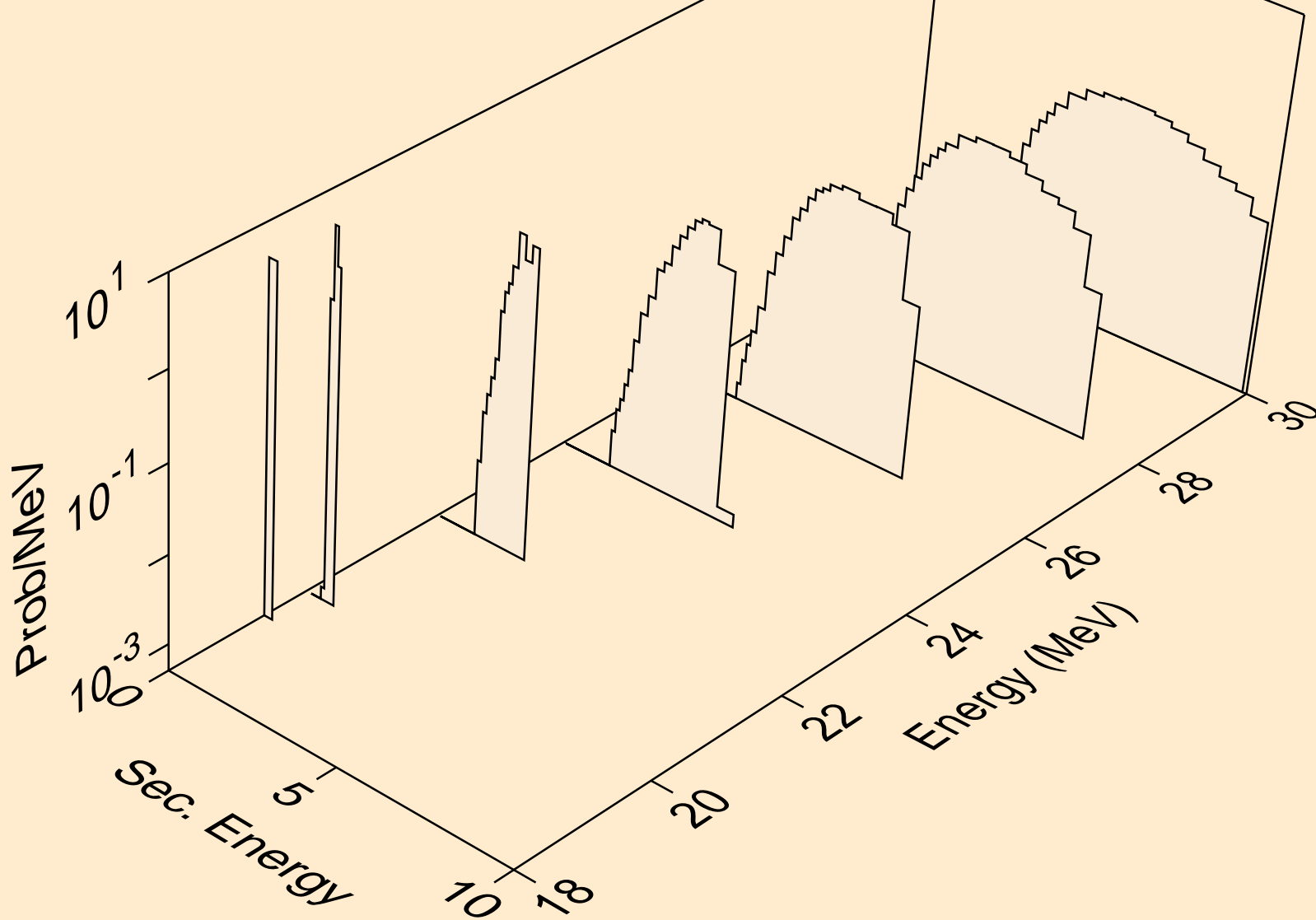
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protons from (n,pt)



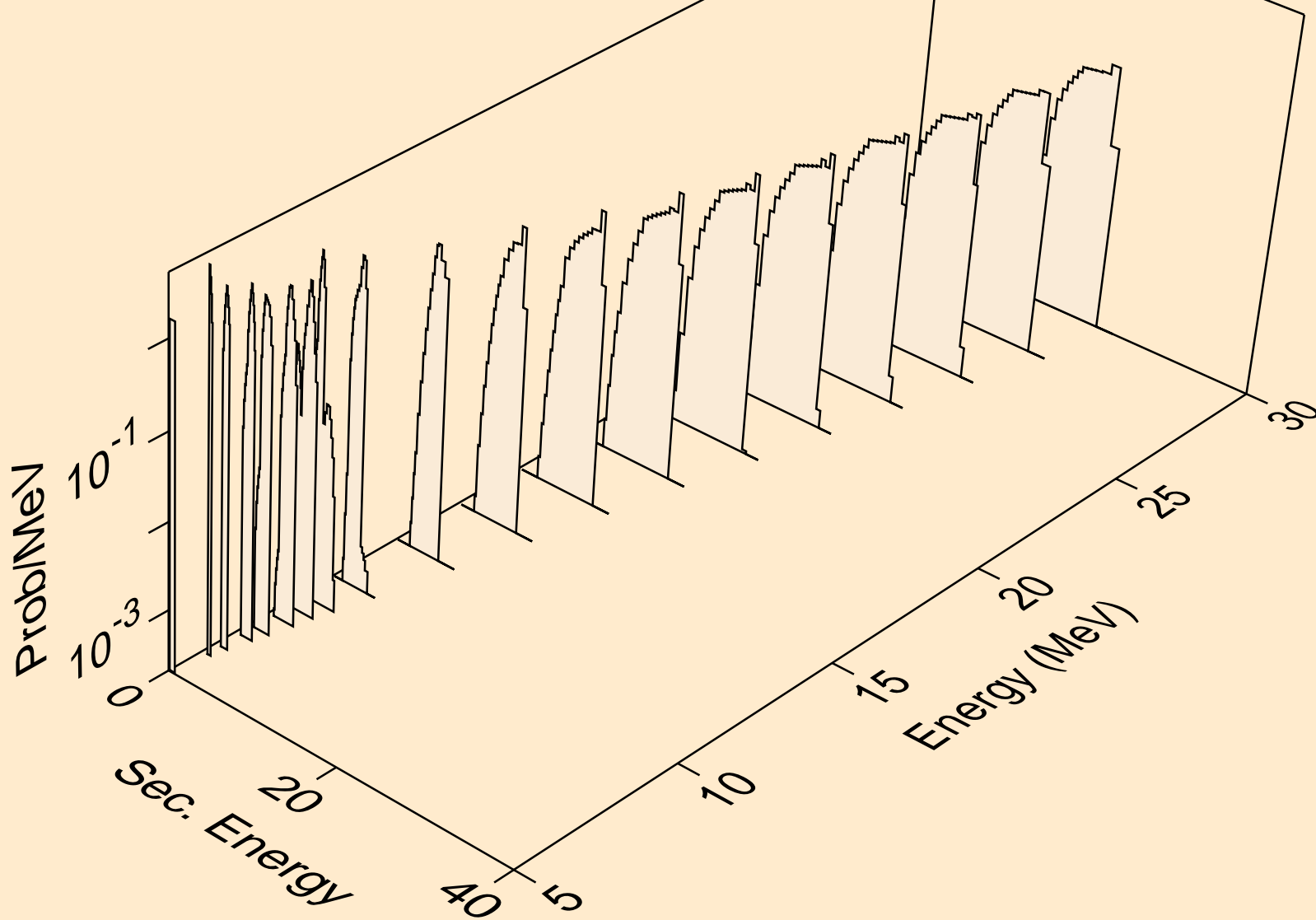
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



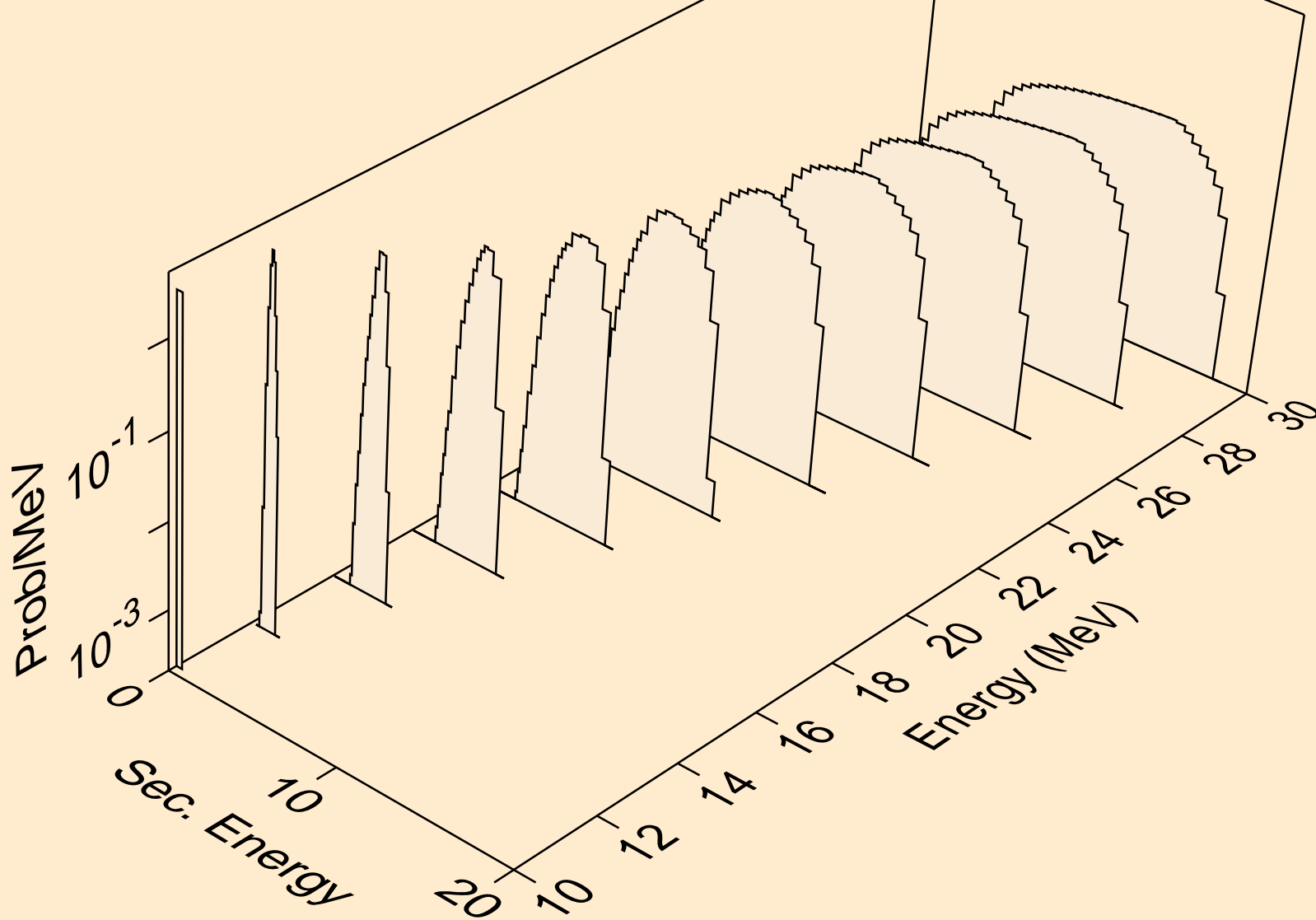
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



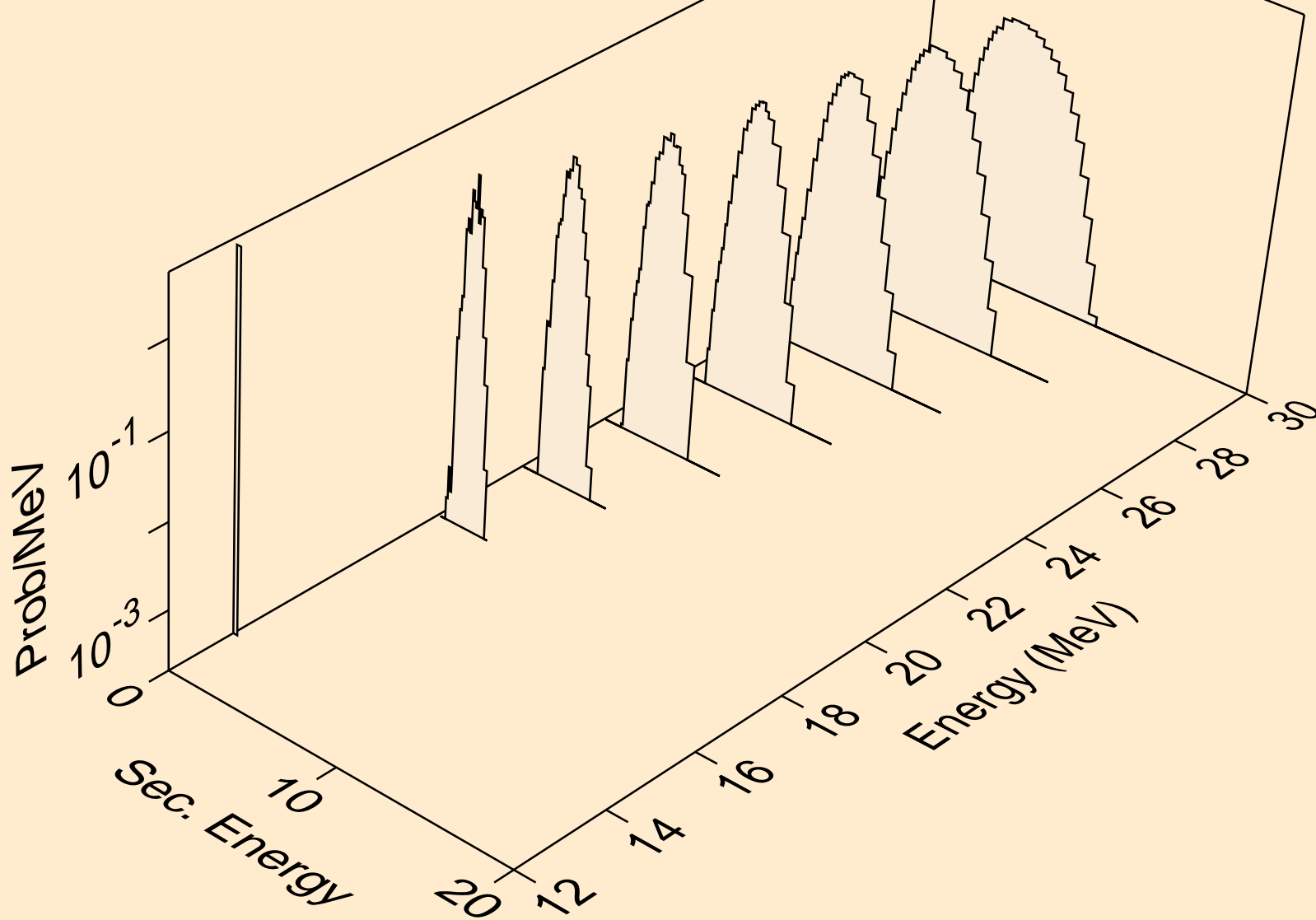
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

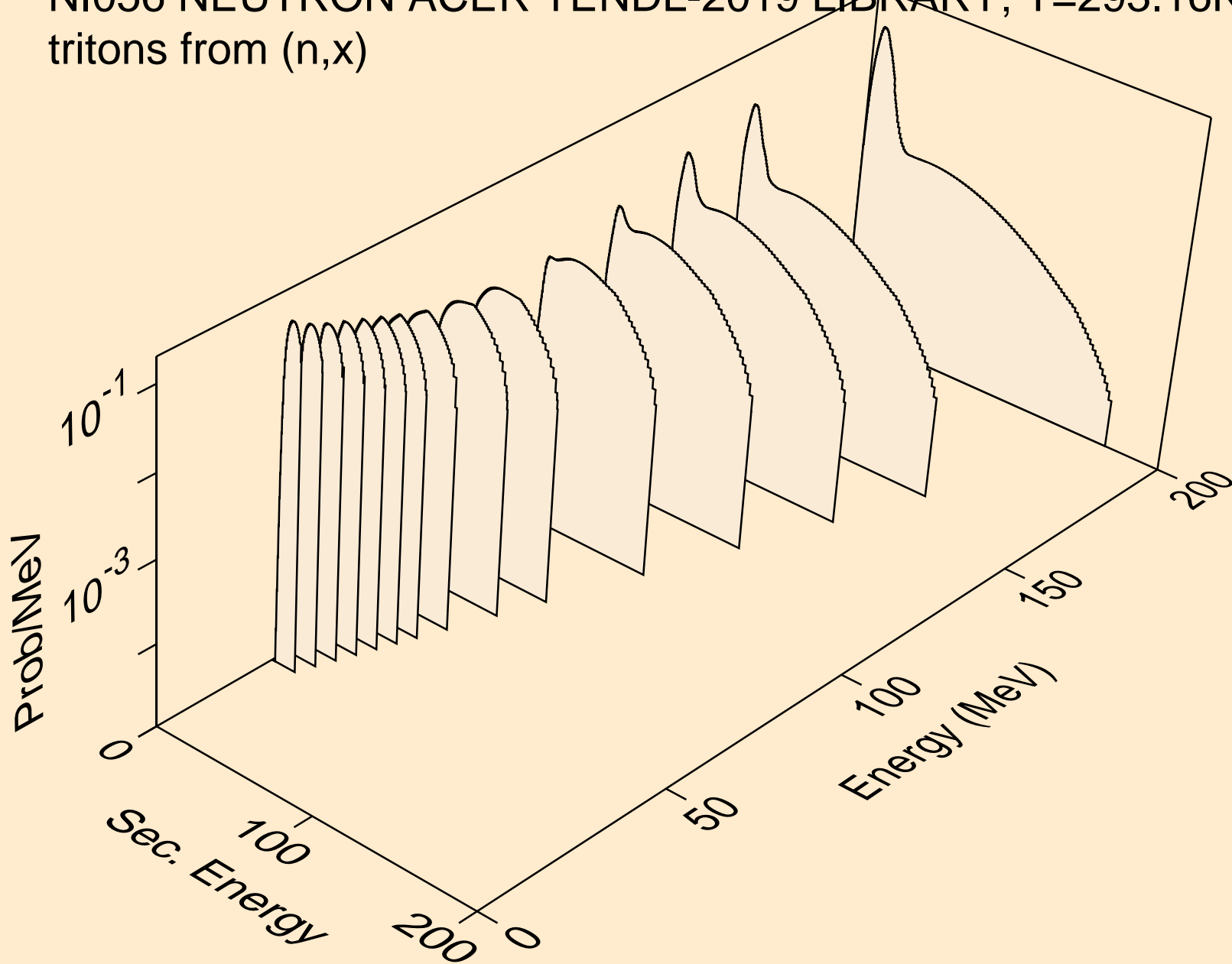


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

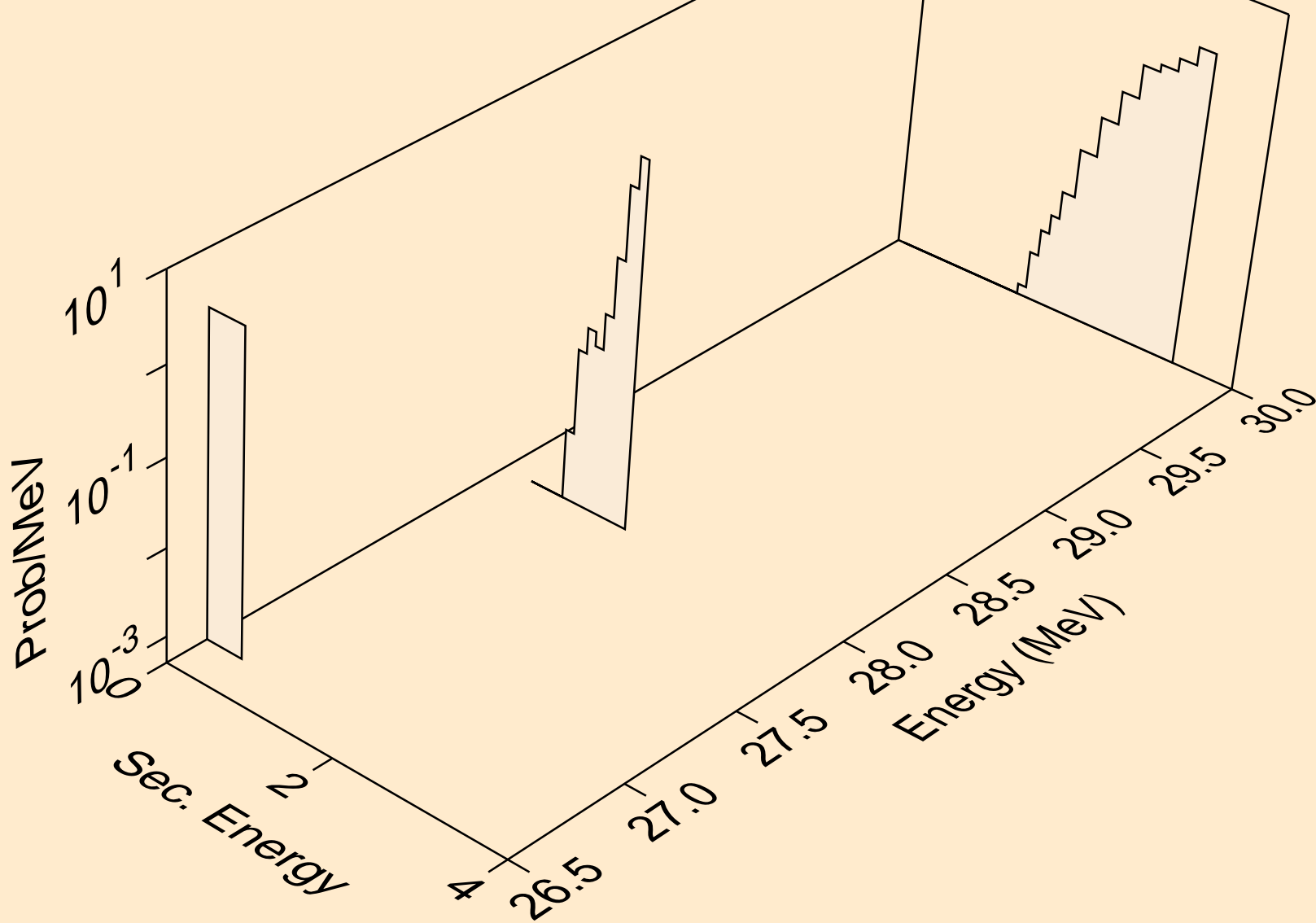




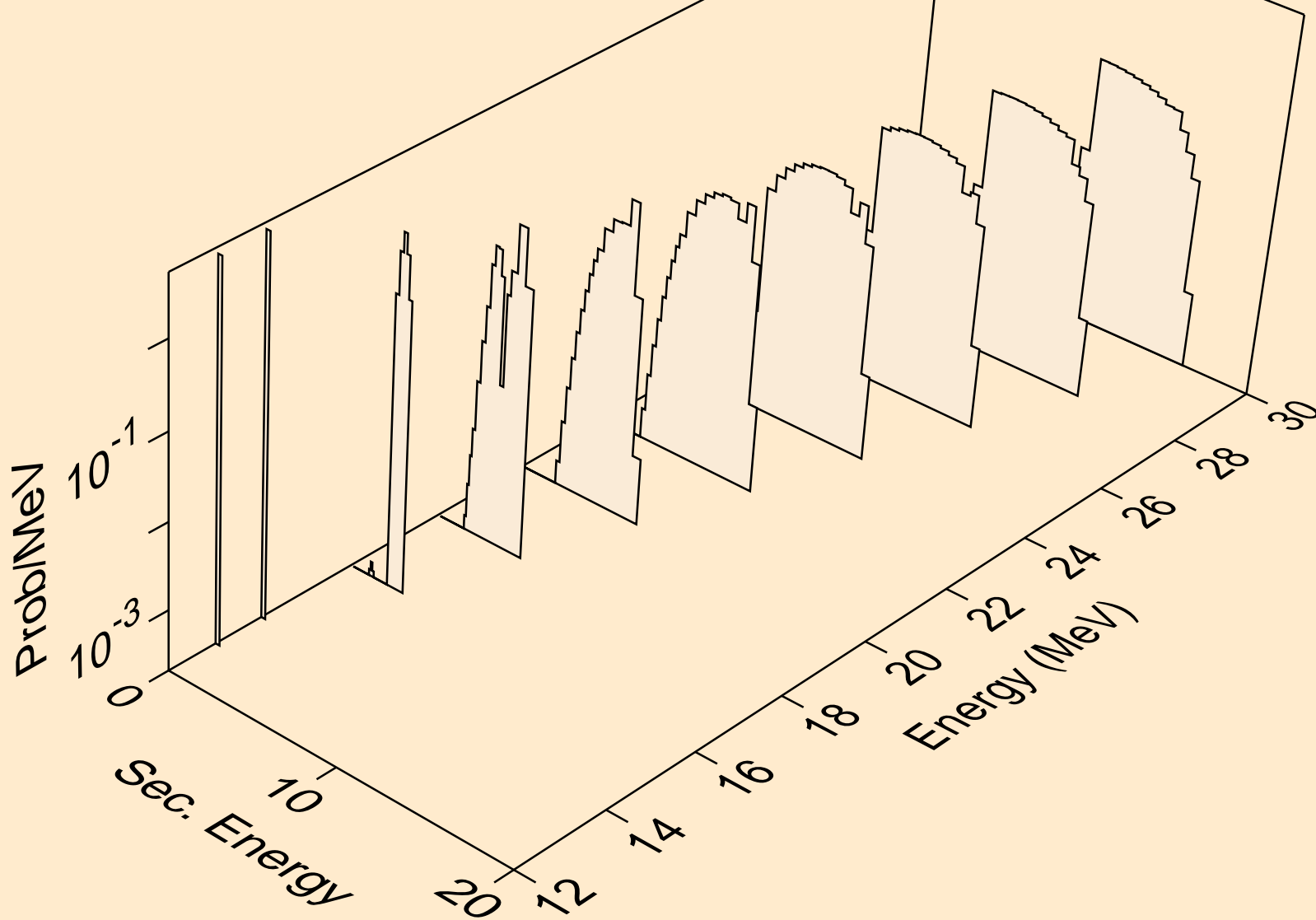
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tritons from (n,x)



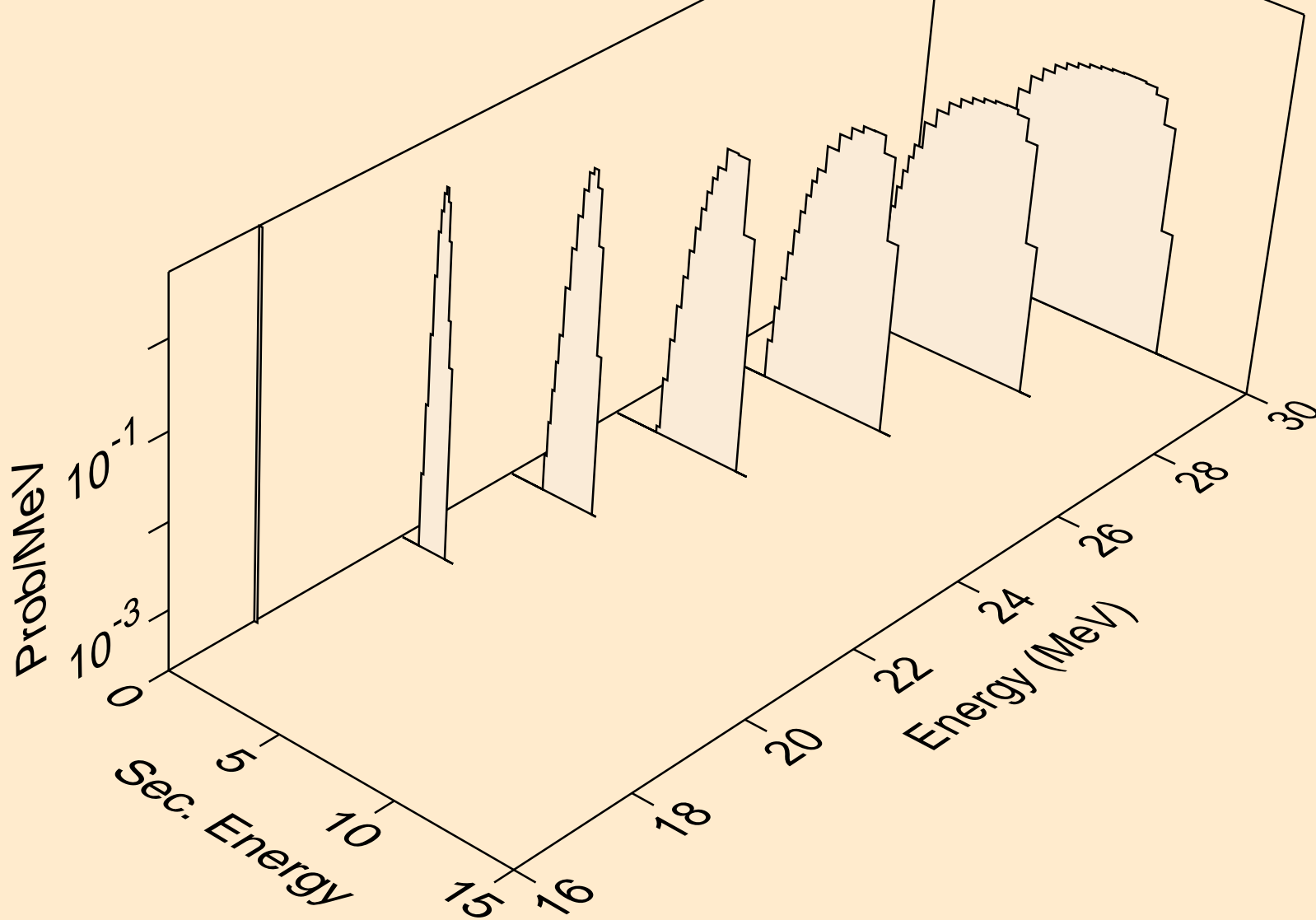
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



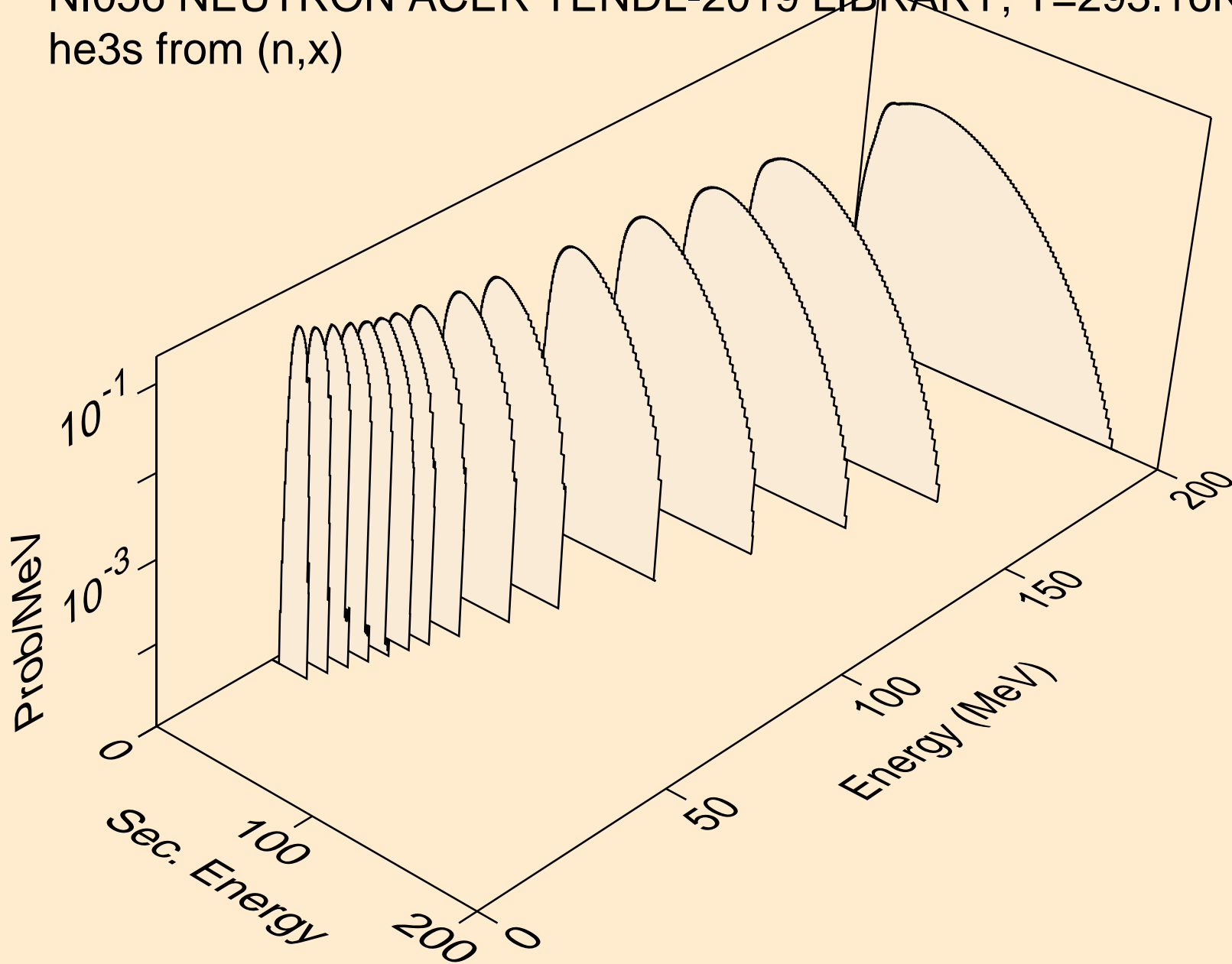
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tritons from (n,t)



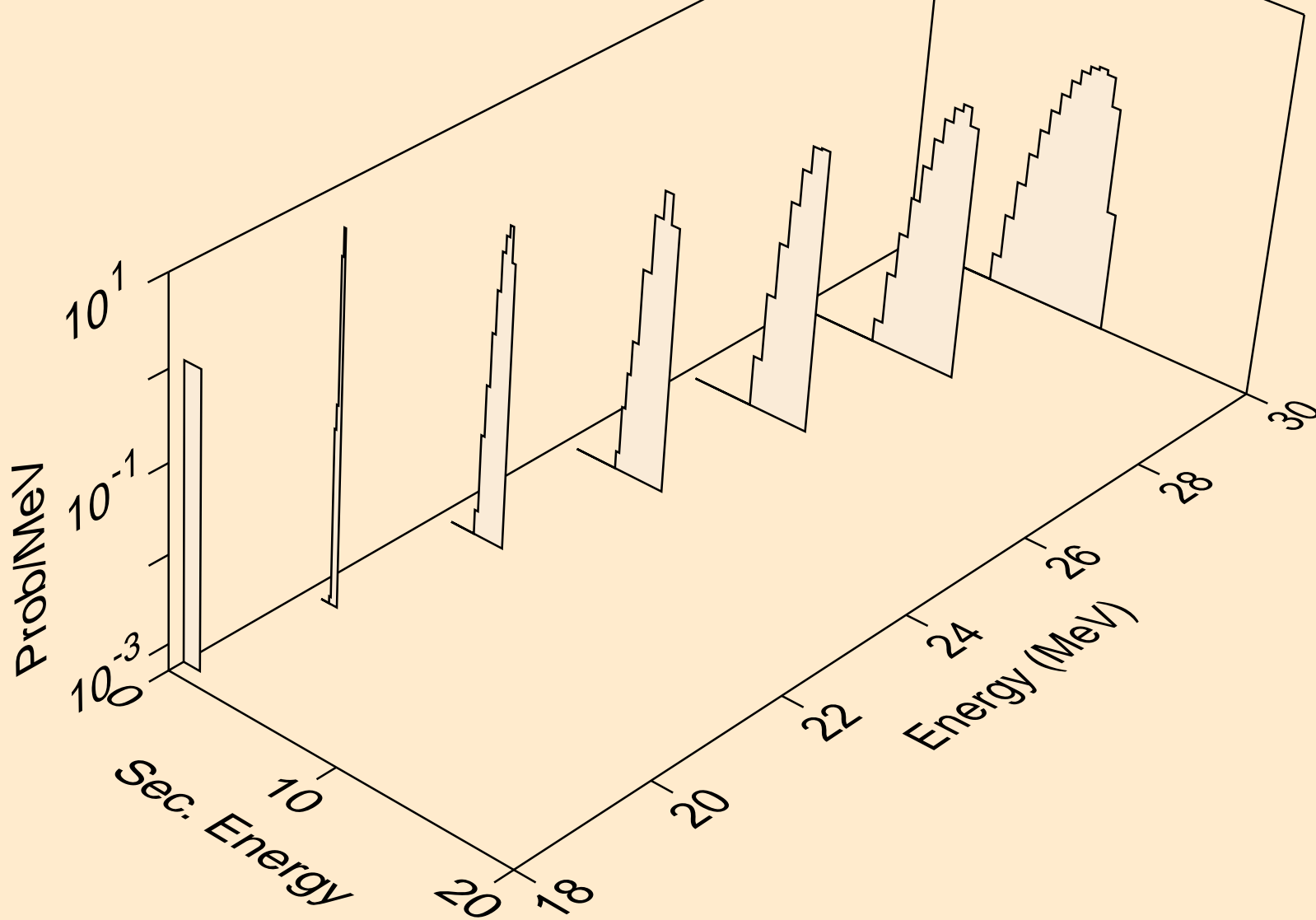
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tritons from (n,pt)



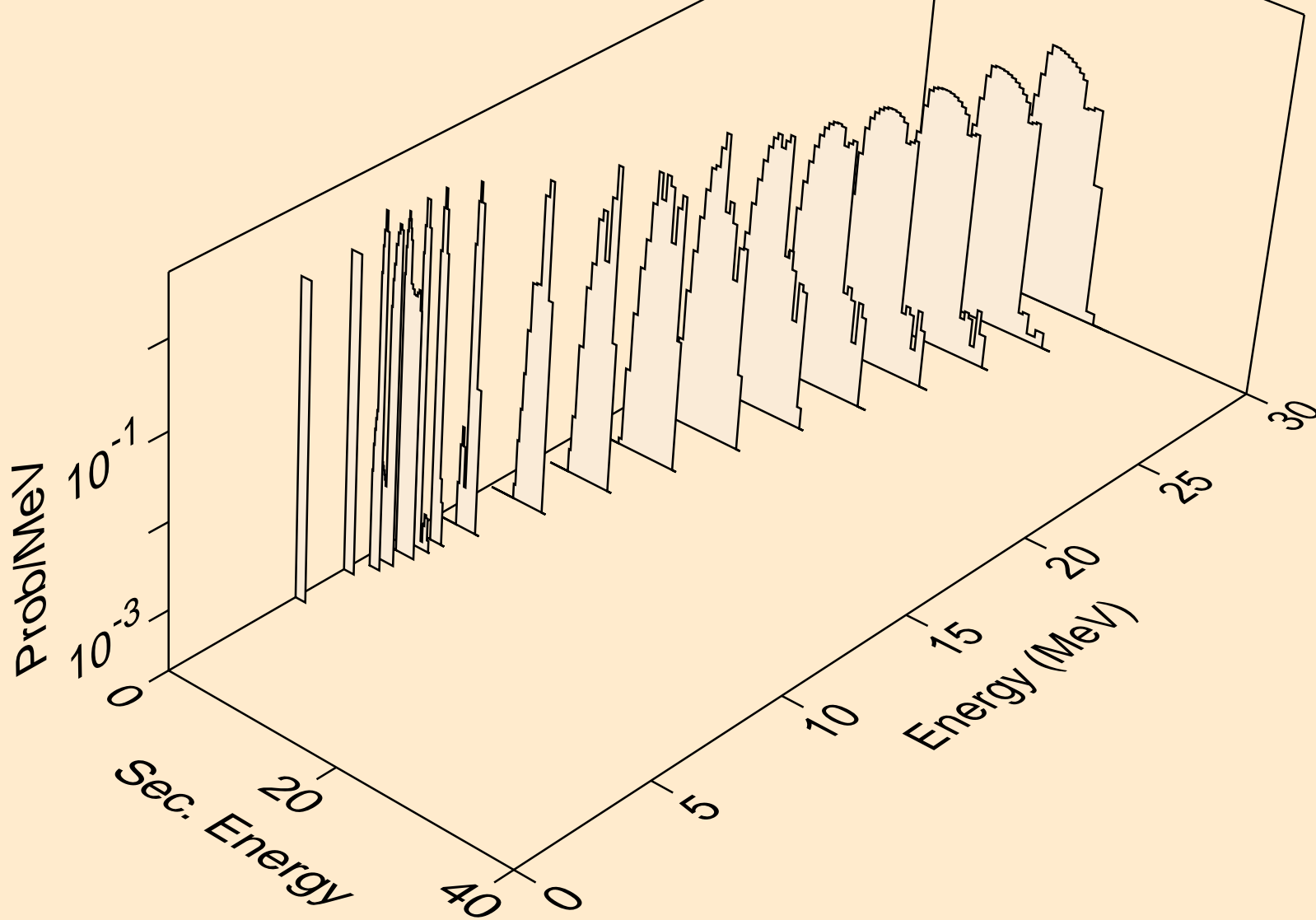
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he3s from (n,x)



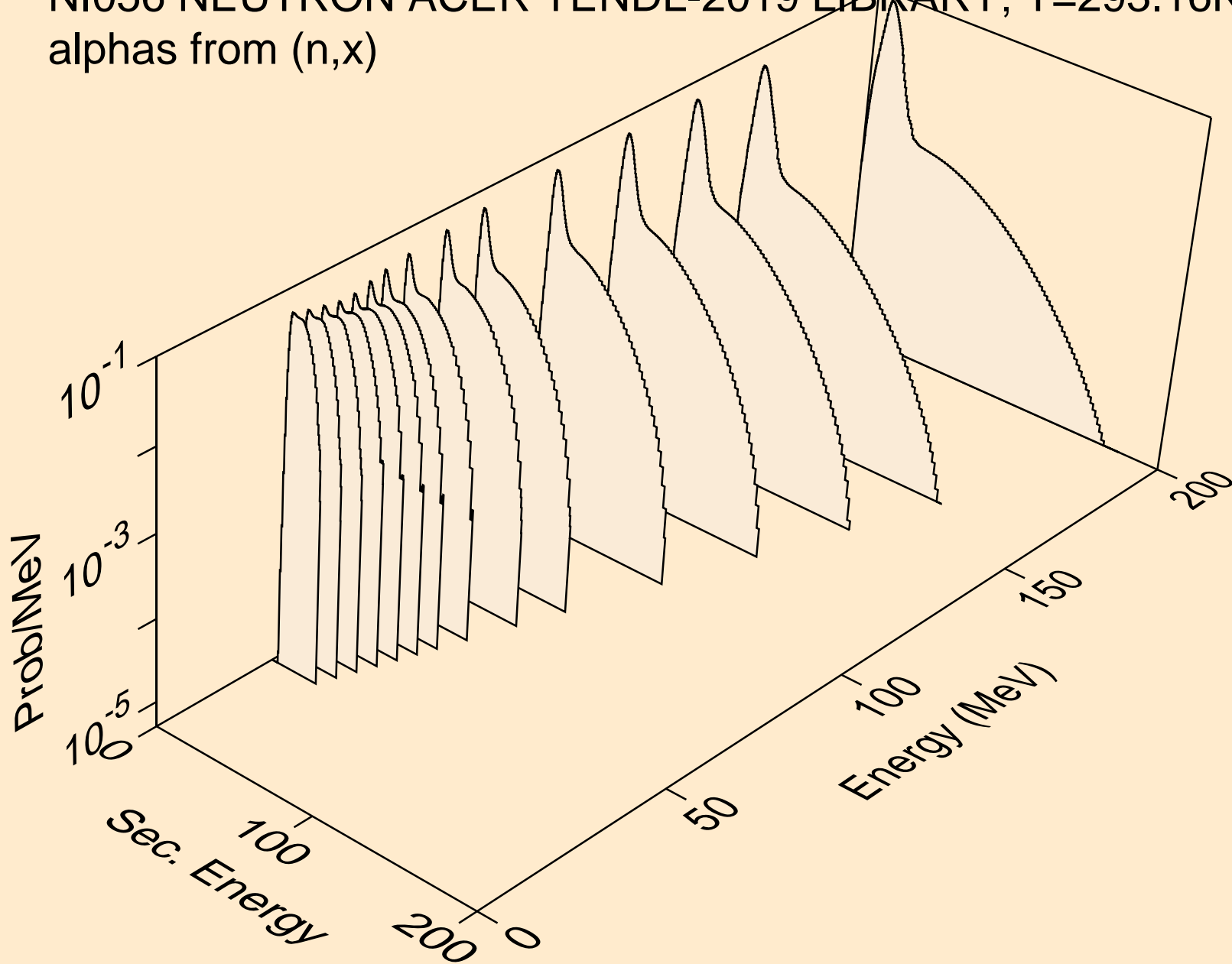
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

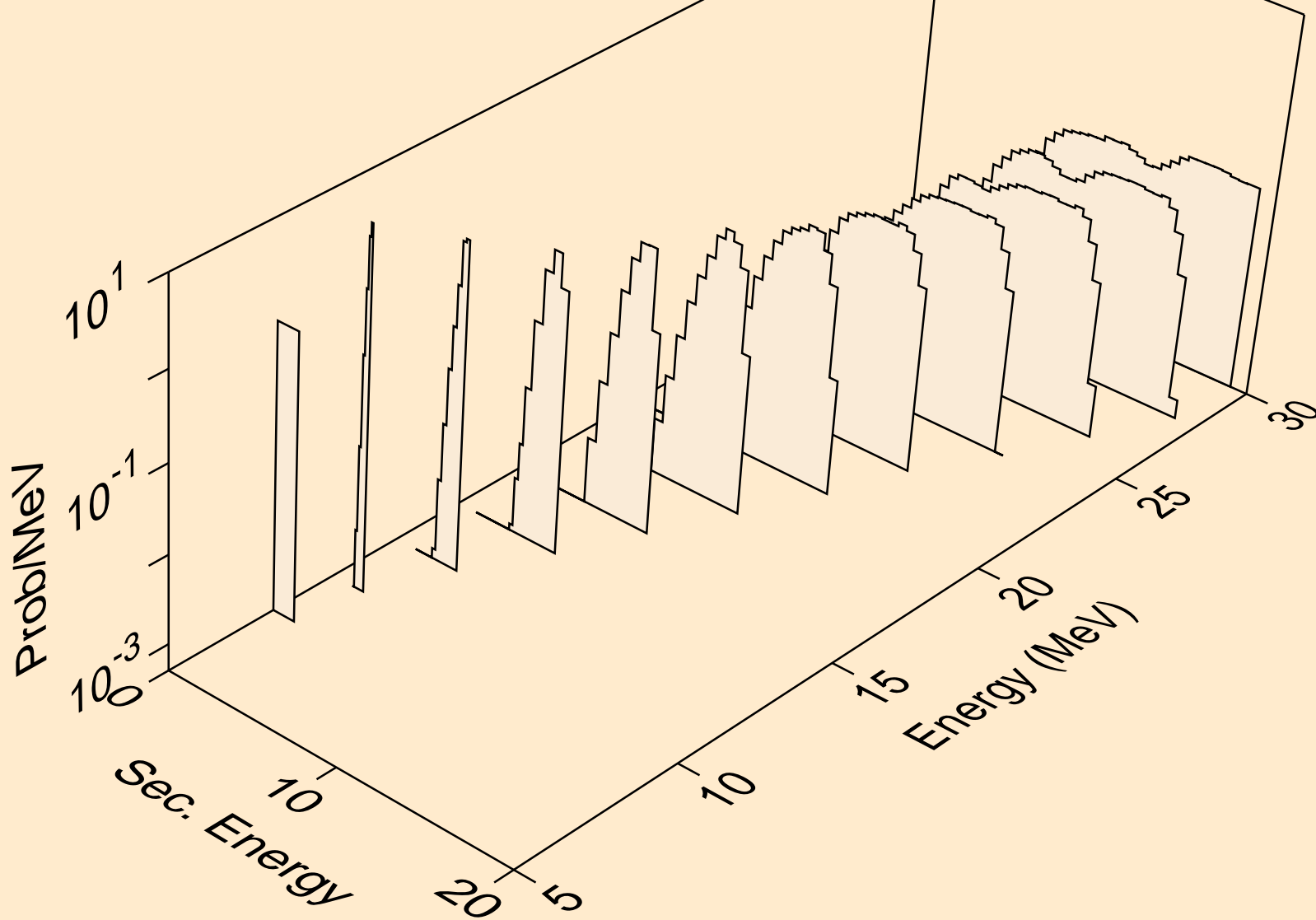


NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

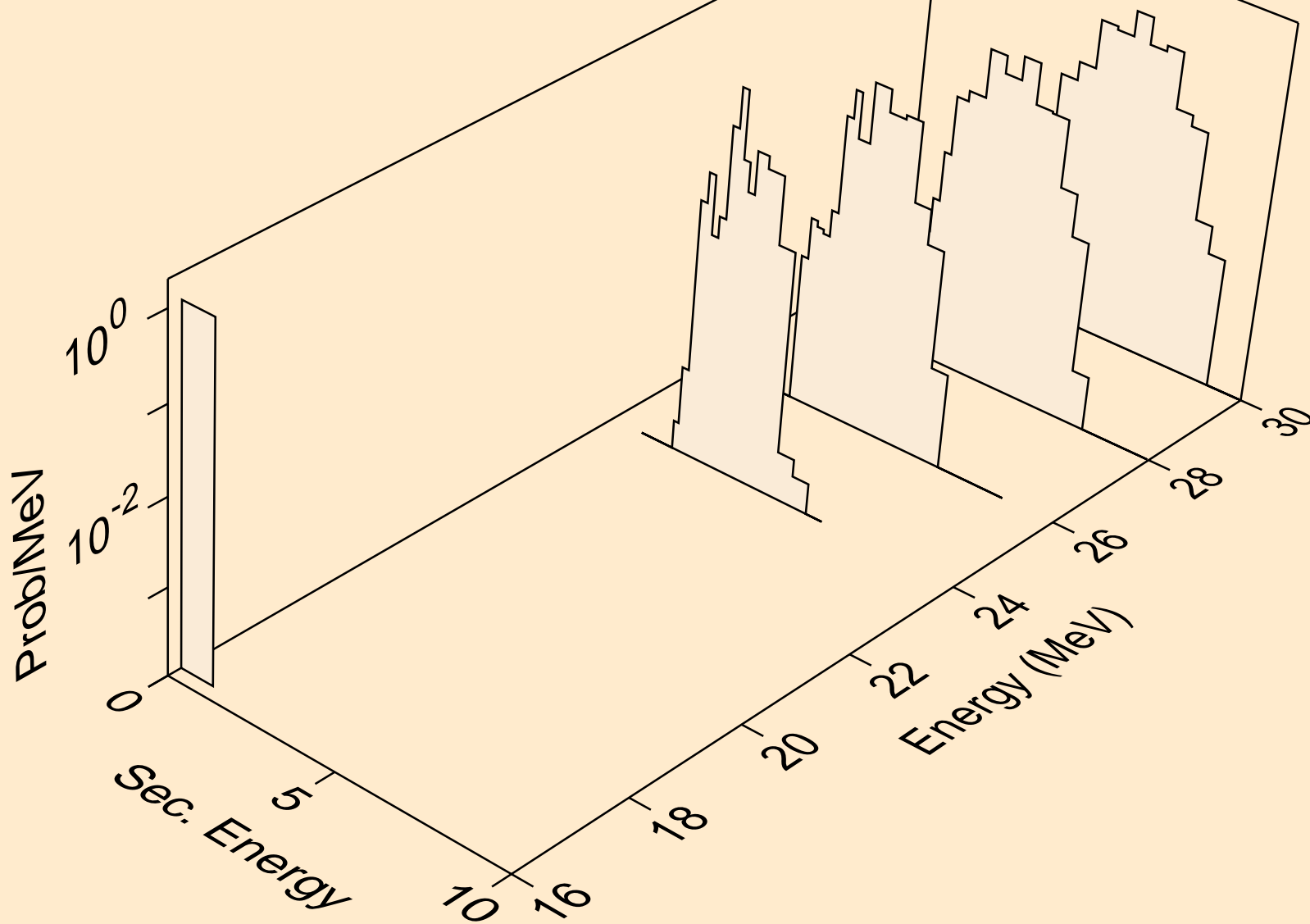




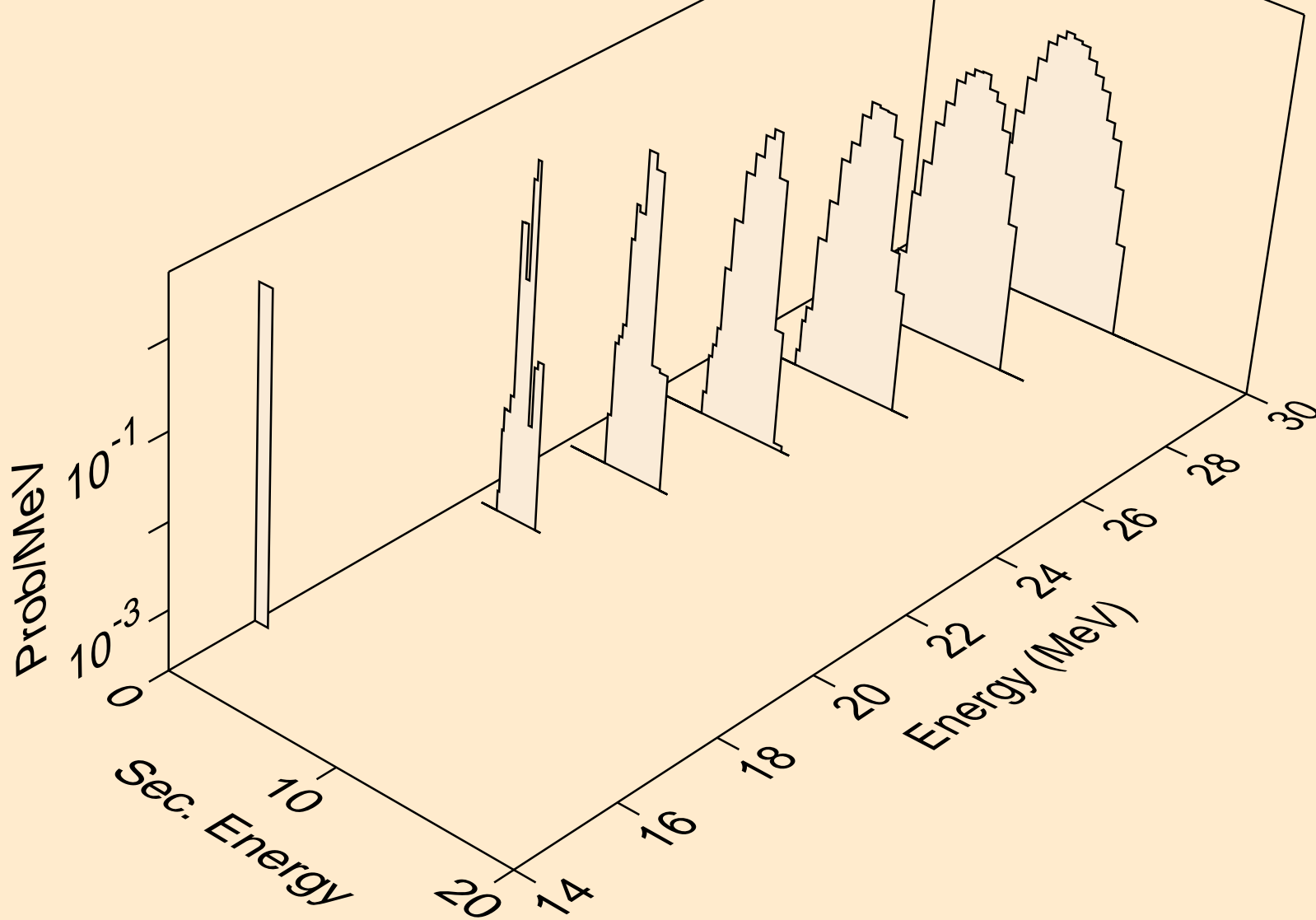
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



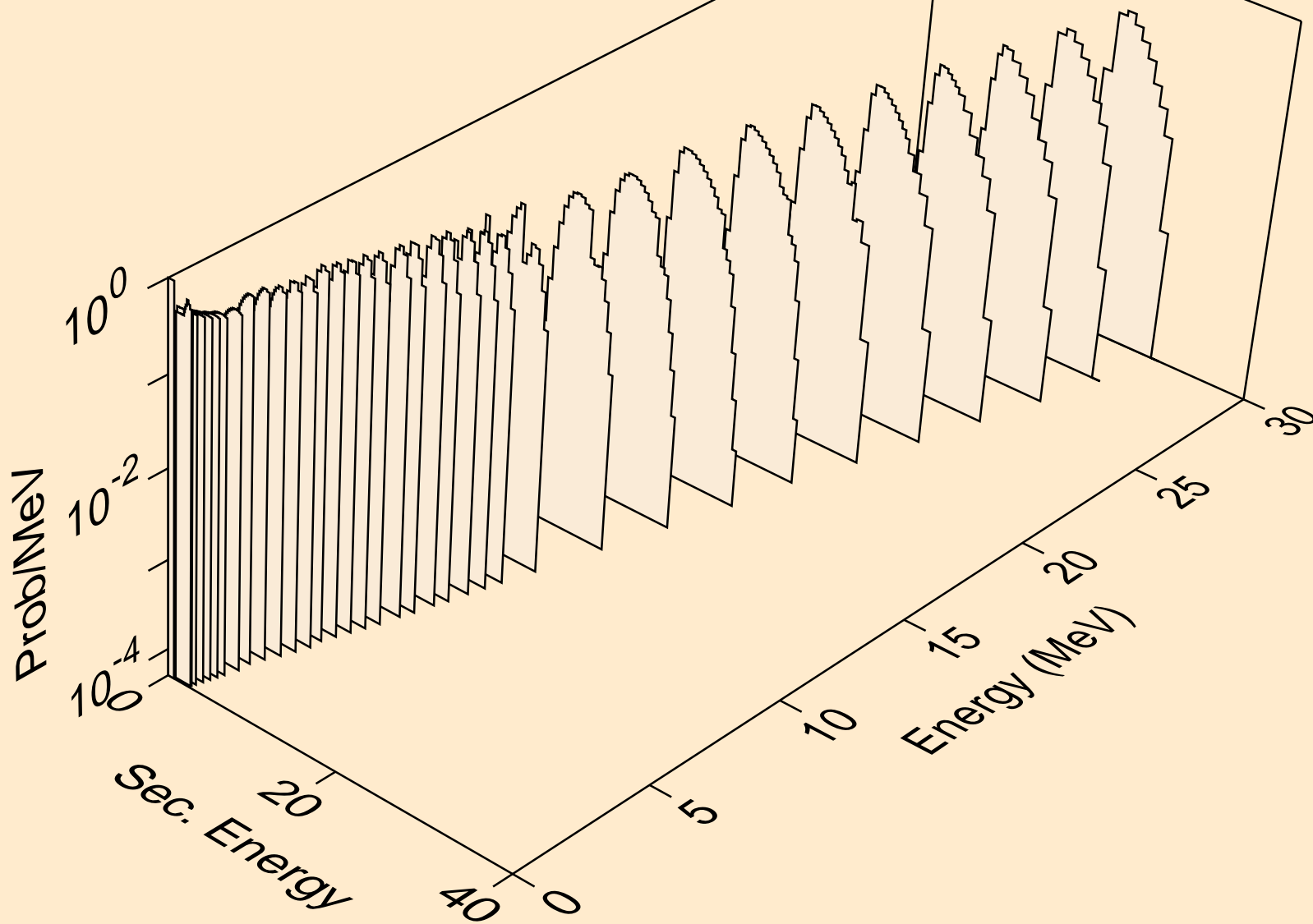
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



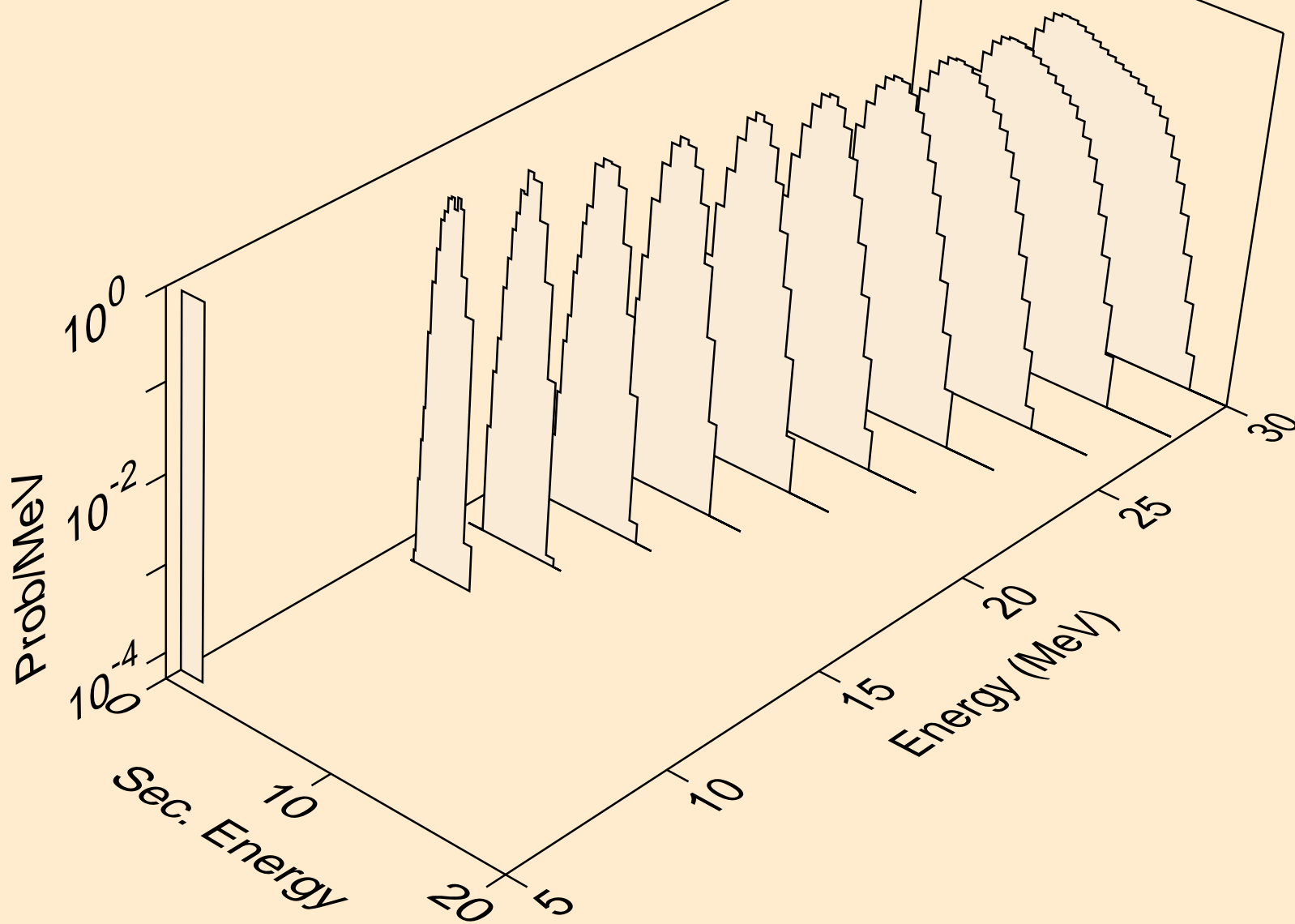
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alphas from (n,npa)



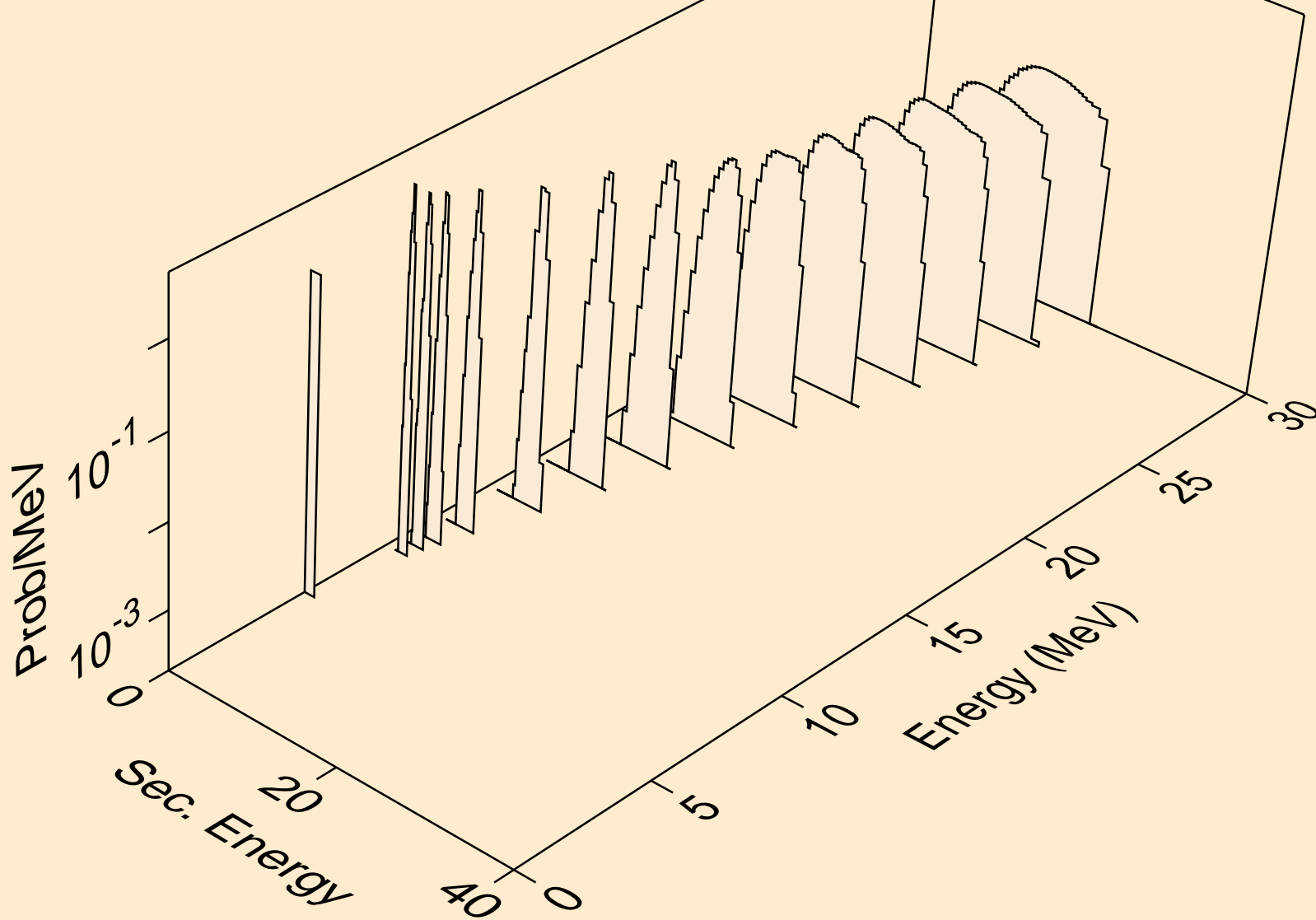
NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



NI056 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

