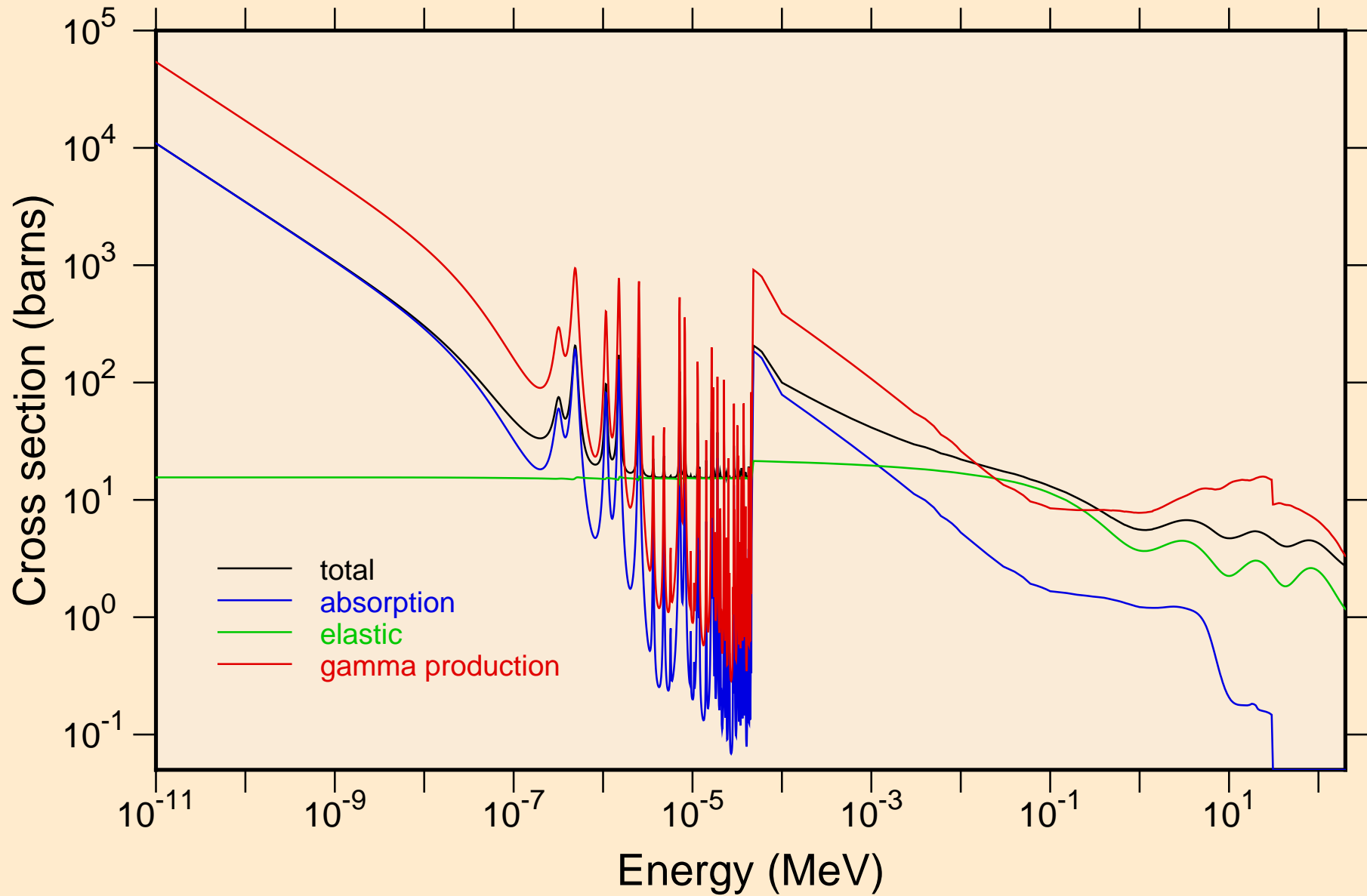
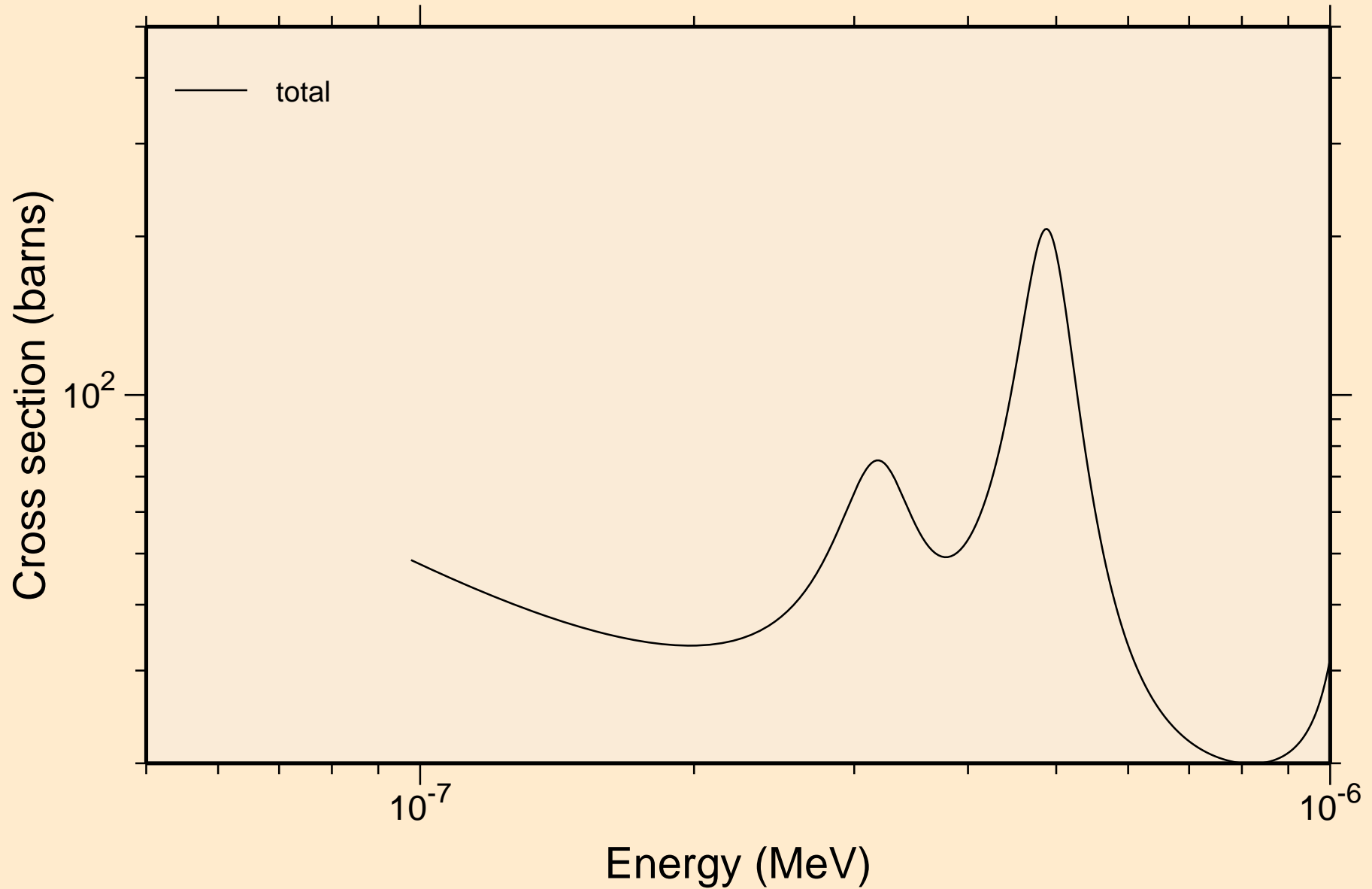


# PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

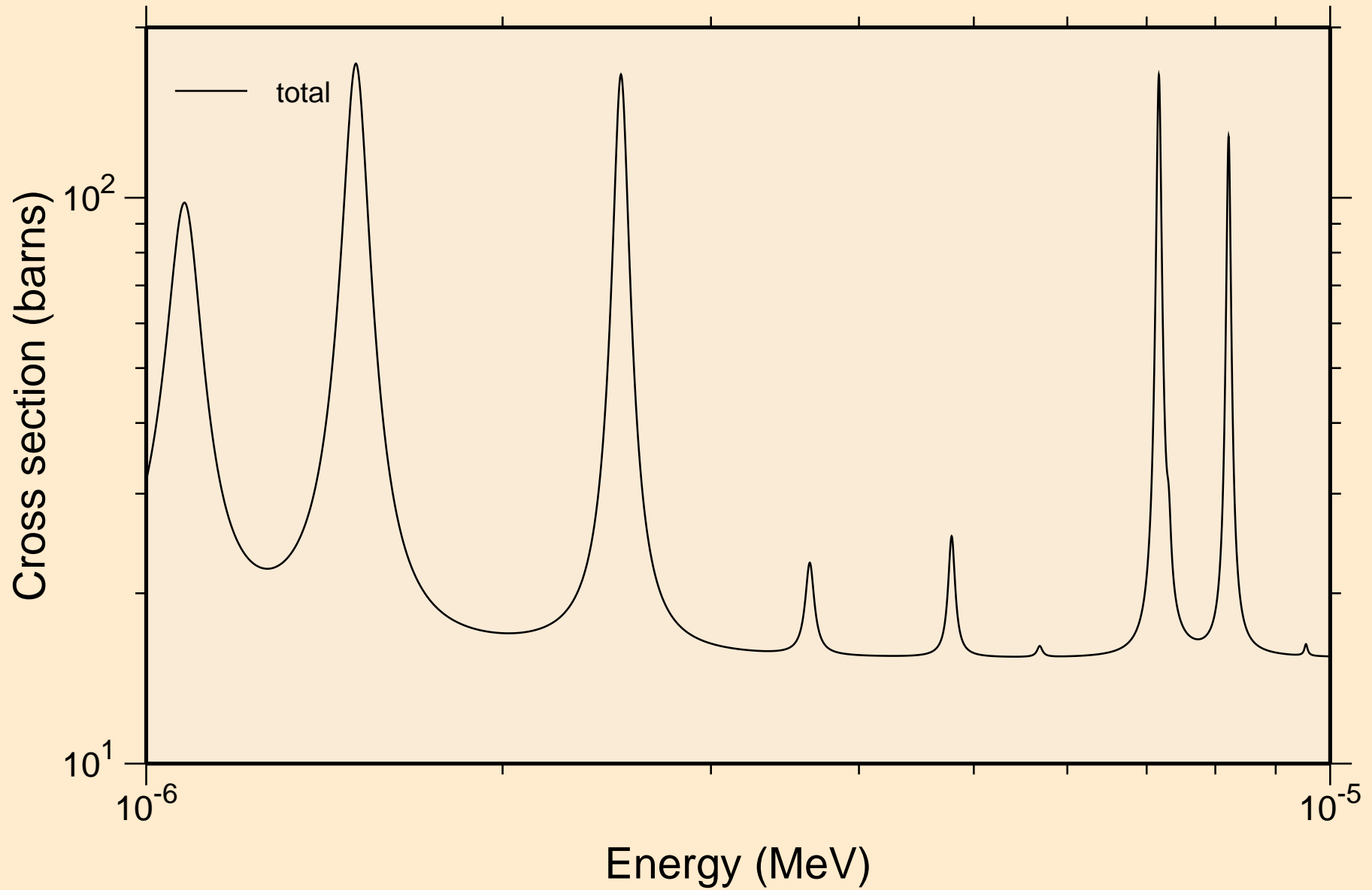
## Principal cross sections



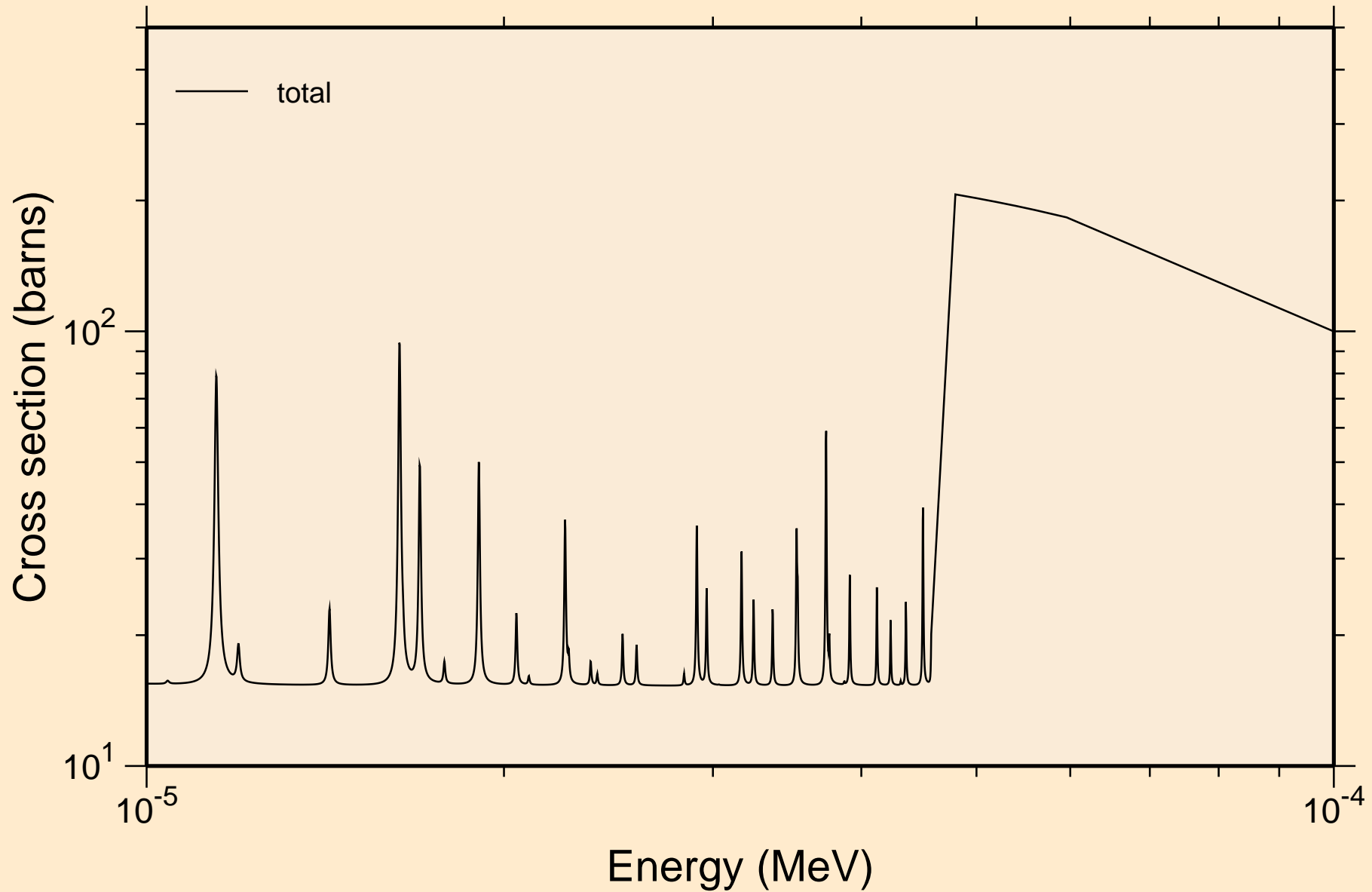
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



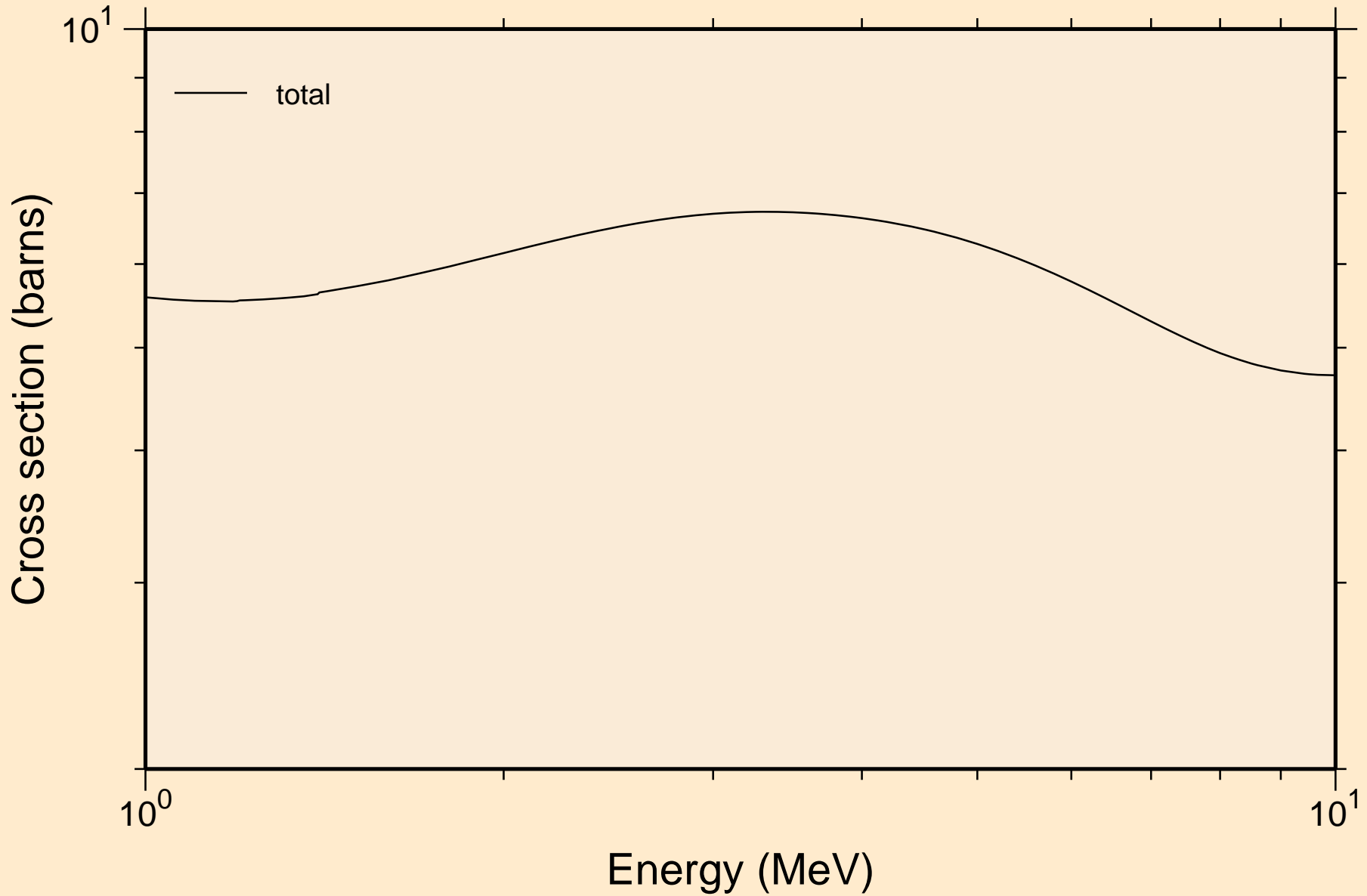
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



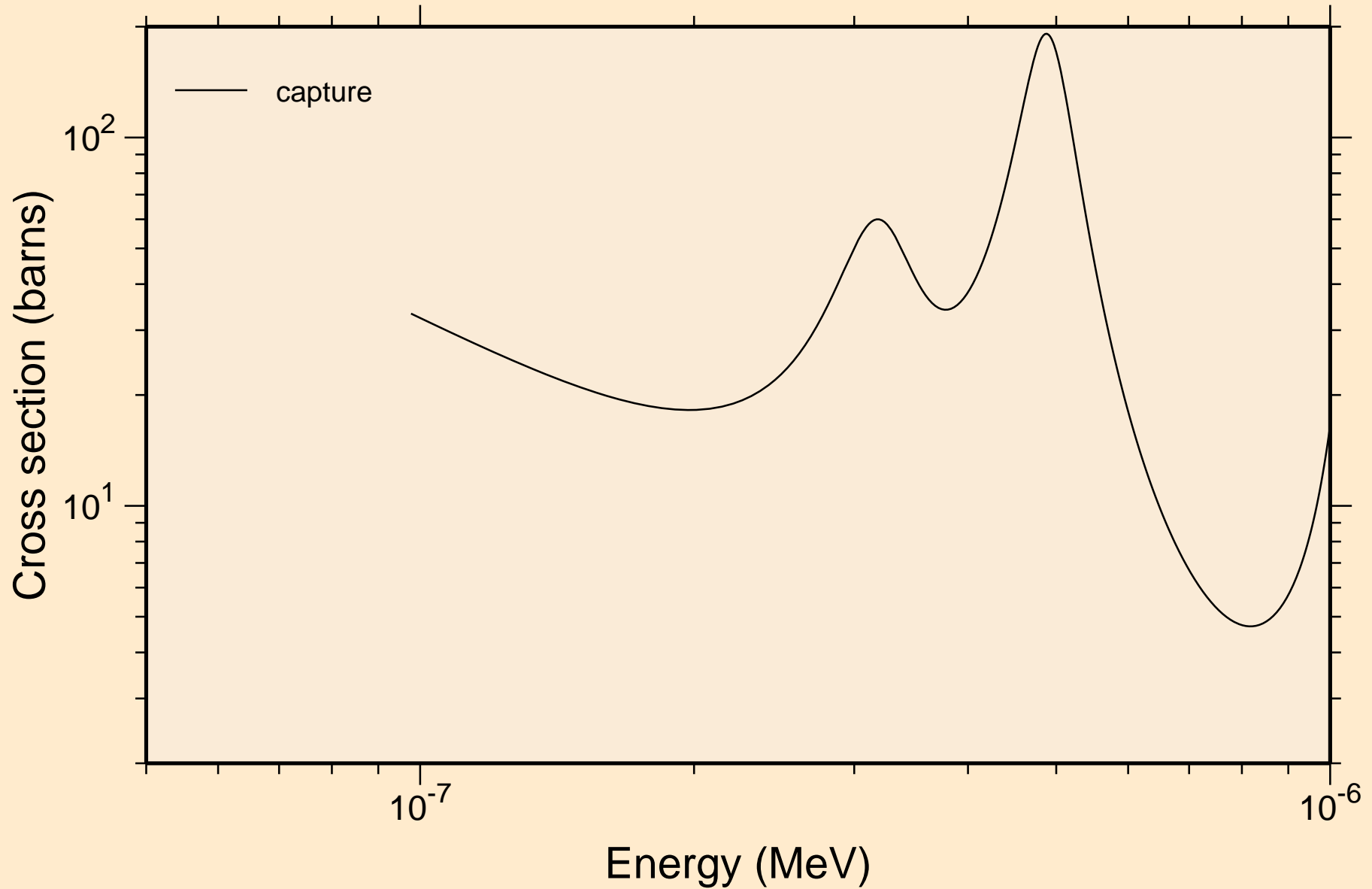
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resonance total cross section



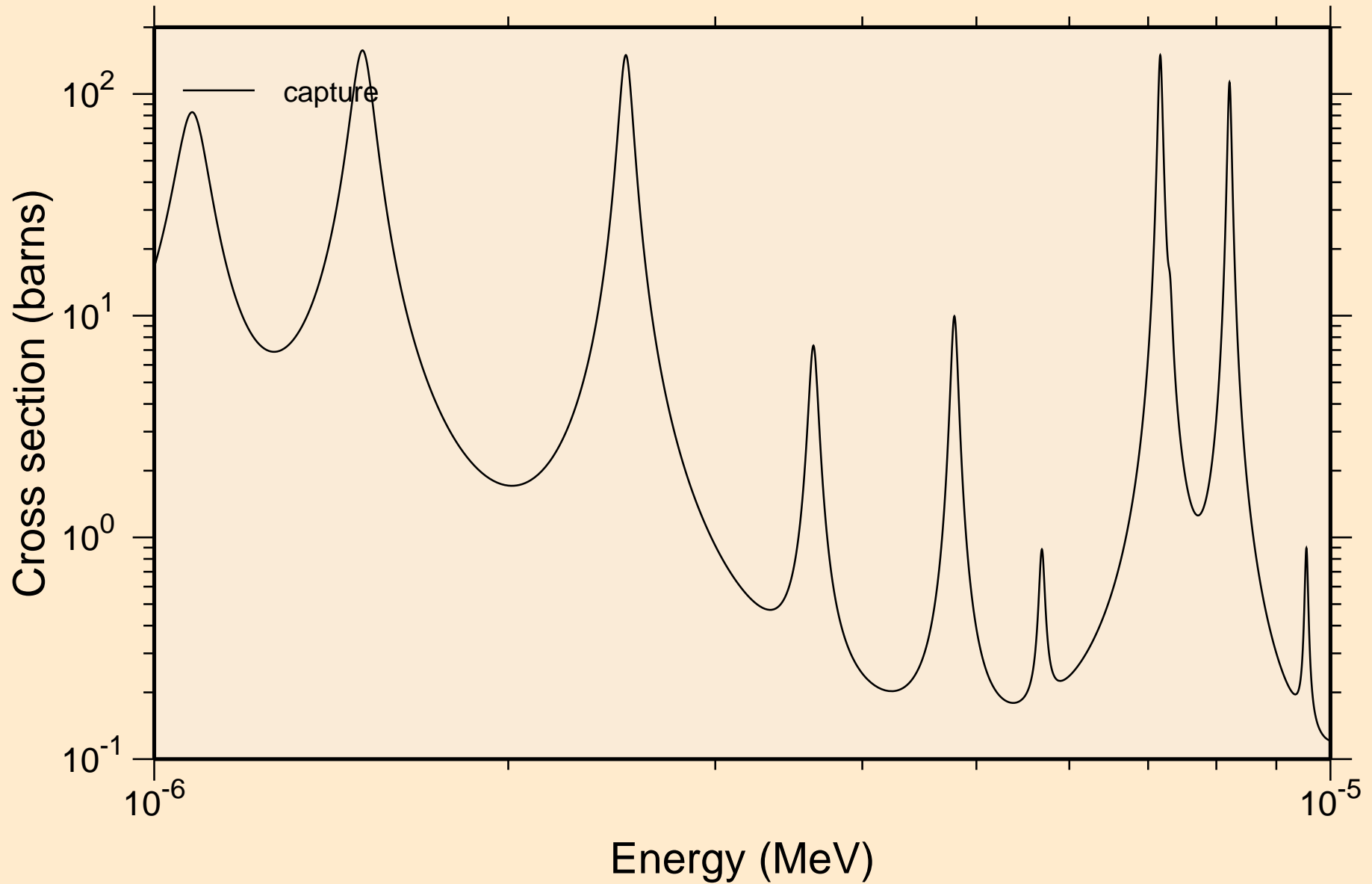
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



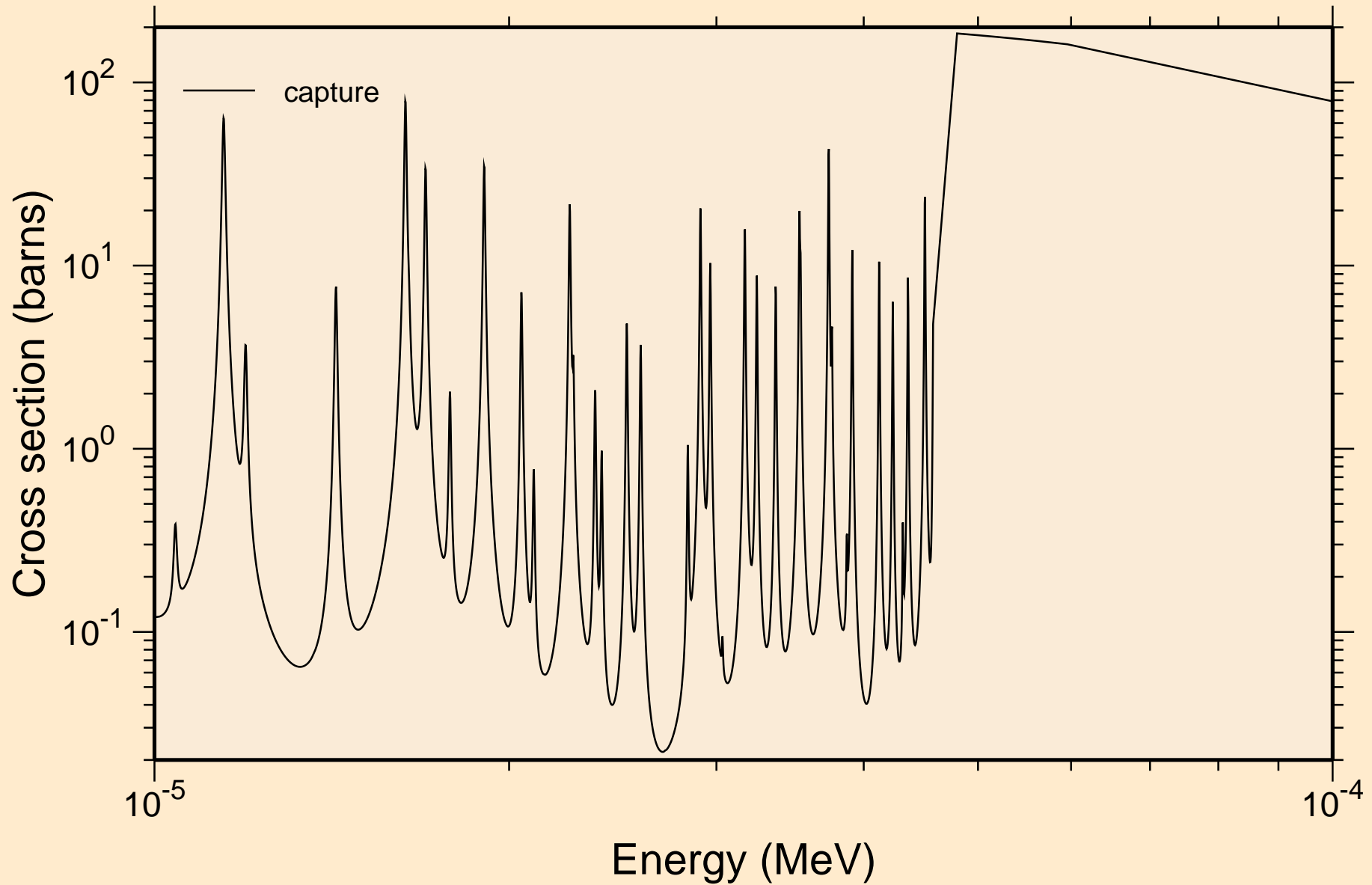
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

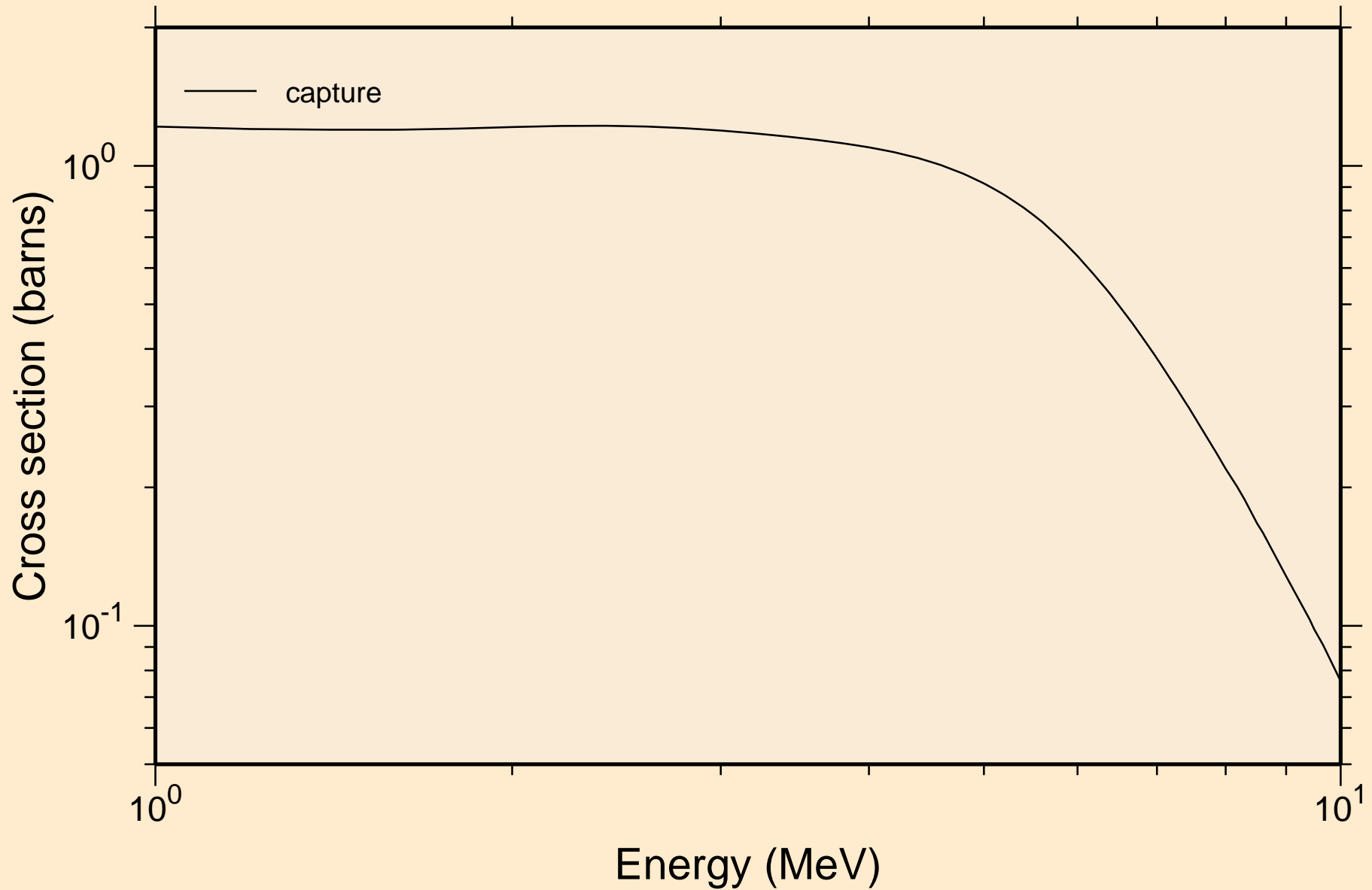


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

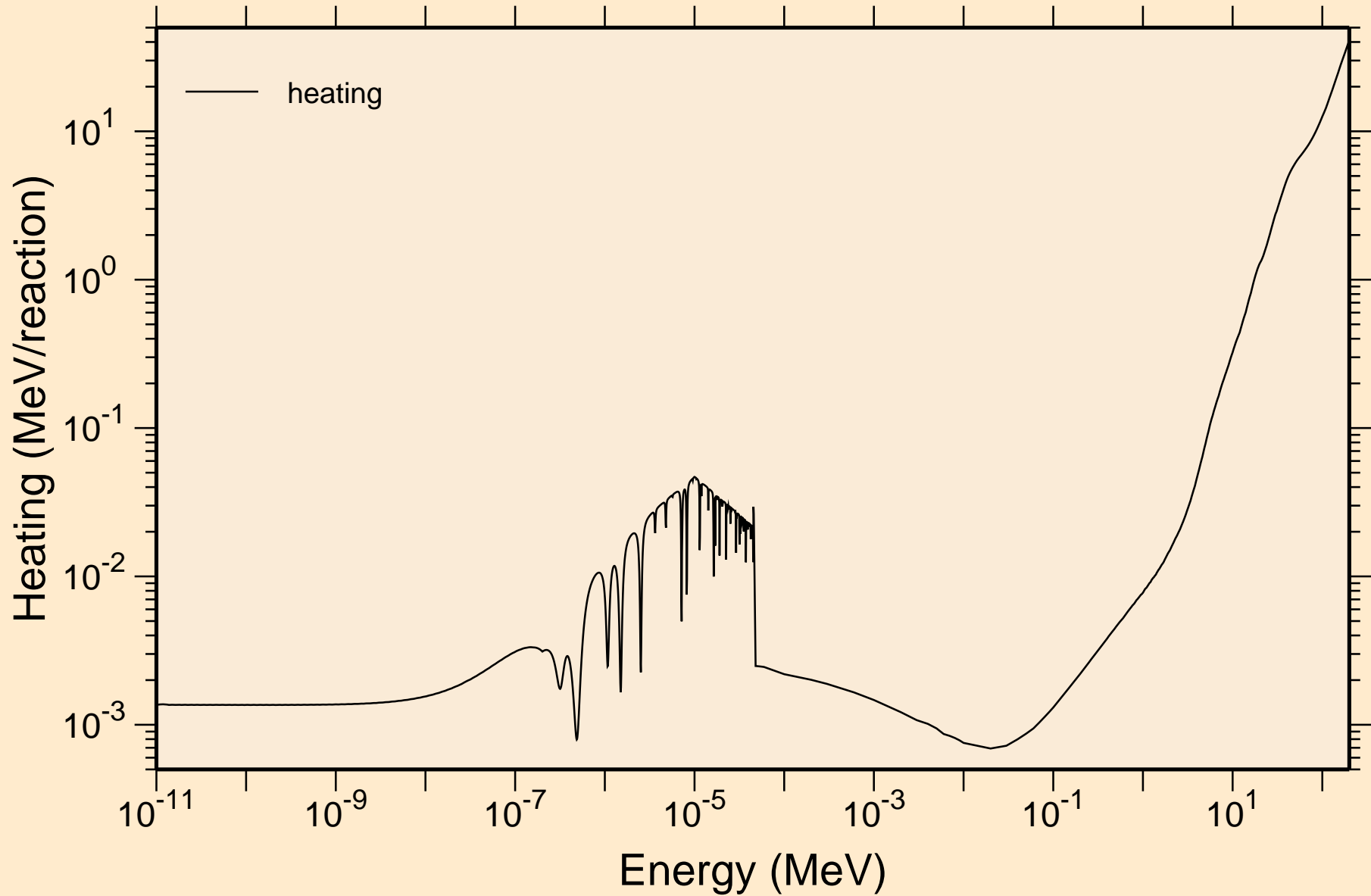




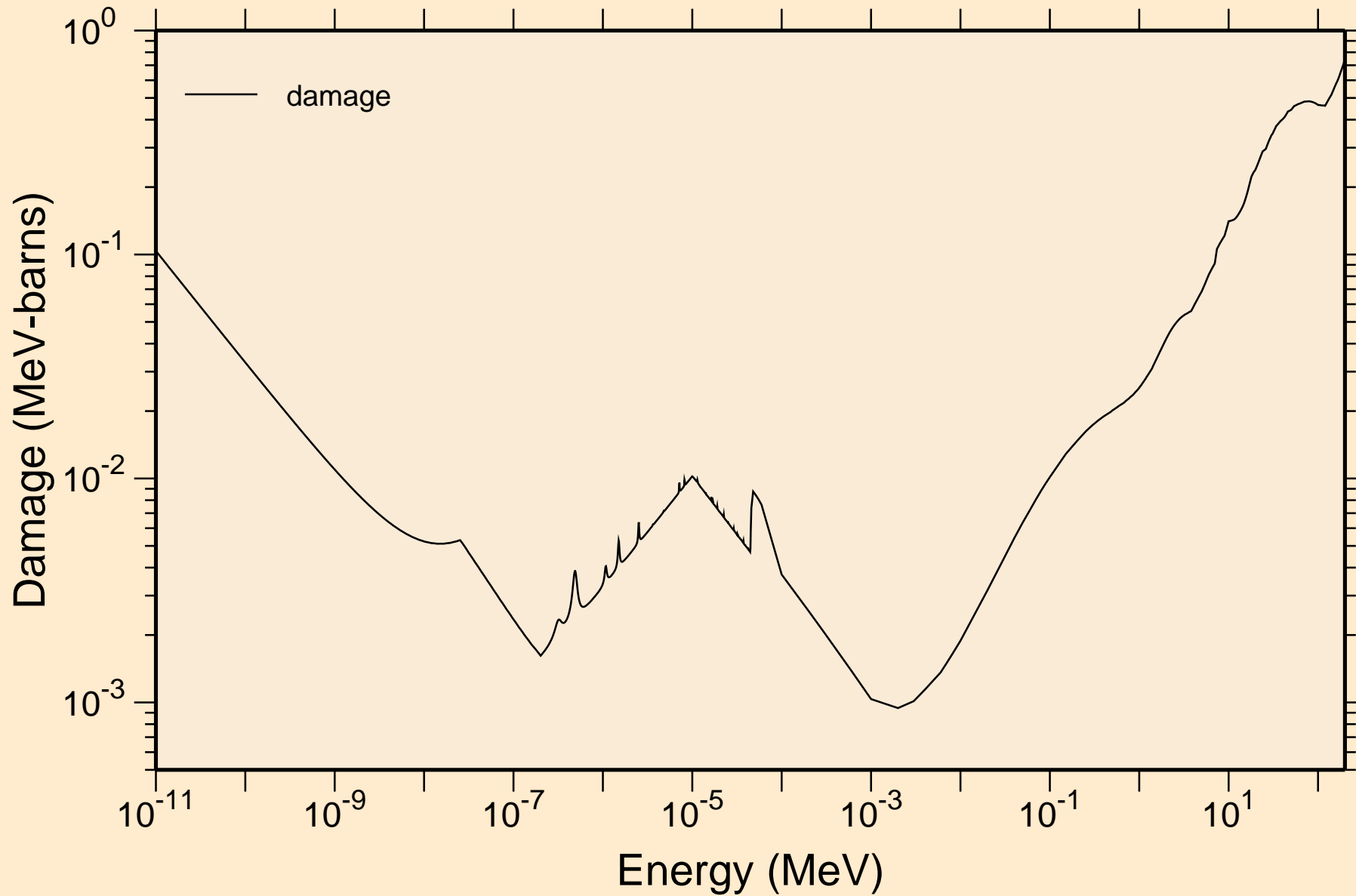
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



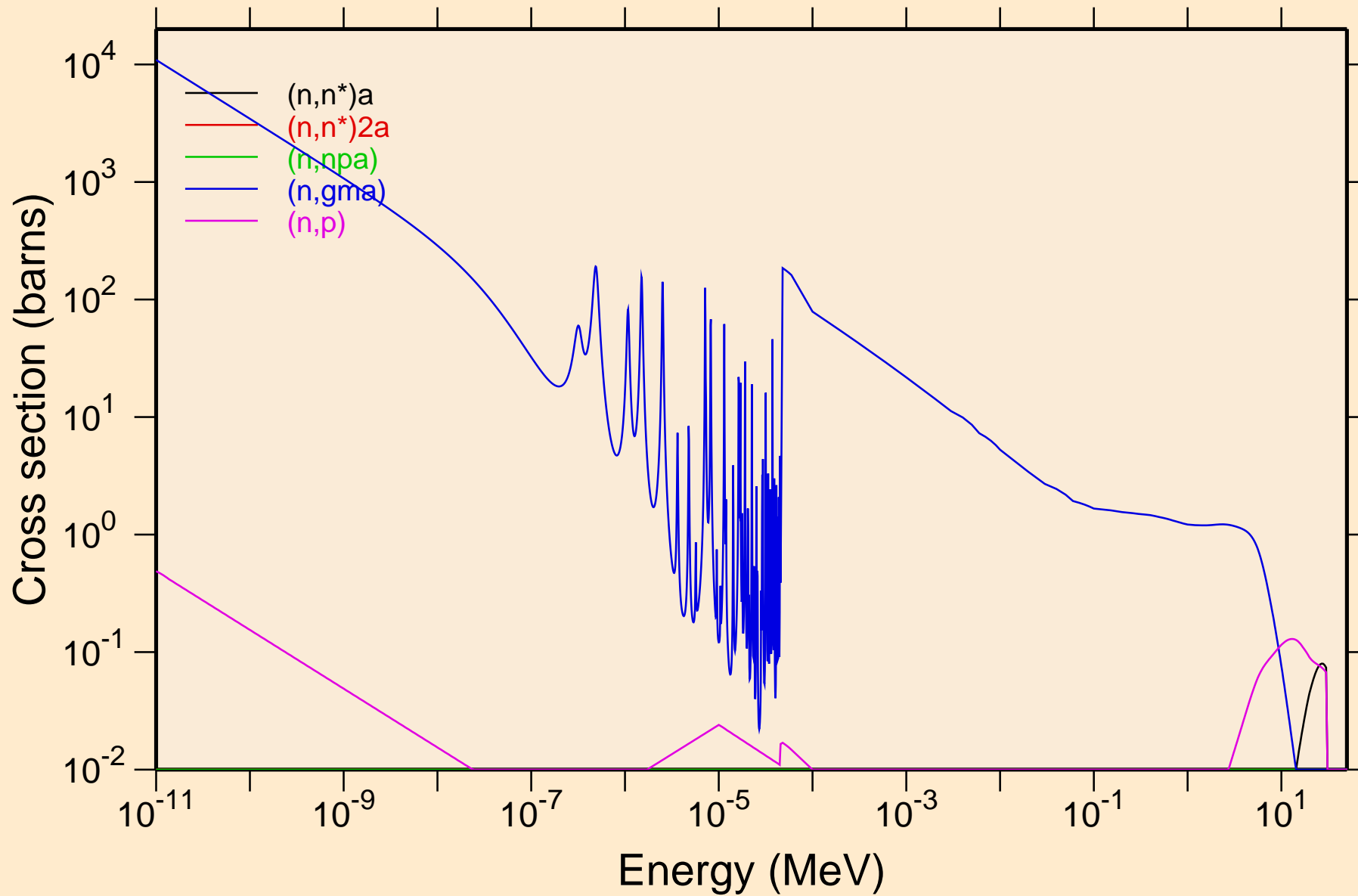
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



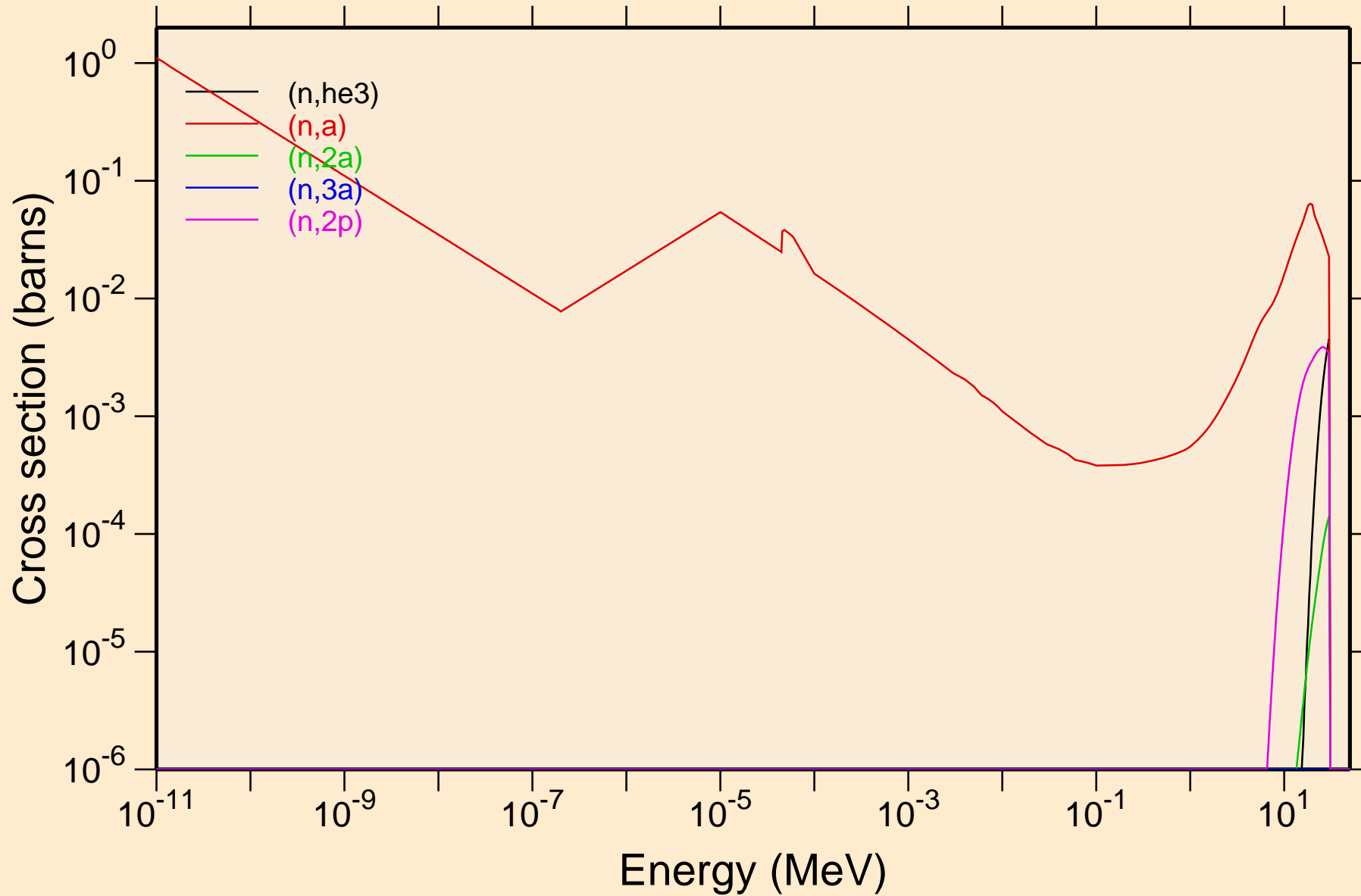
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



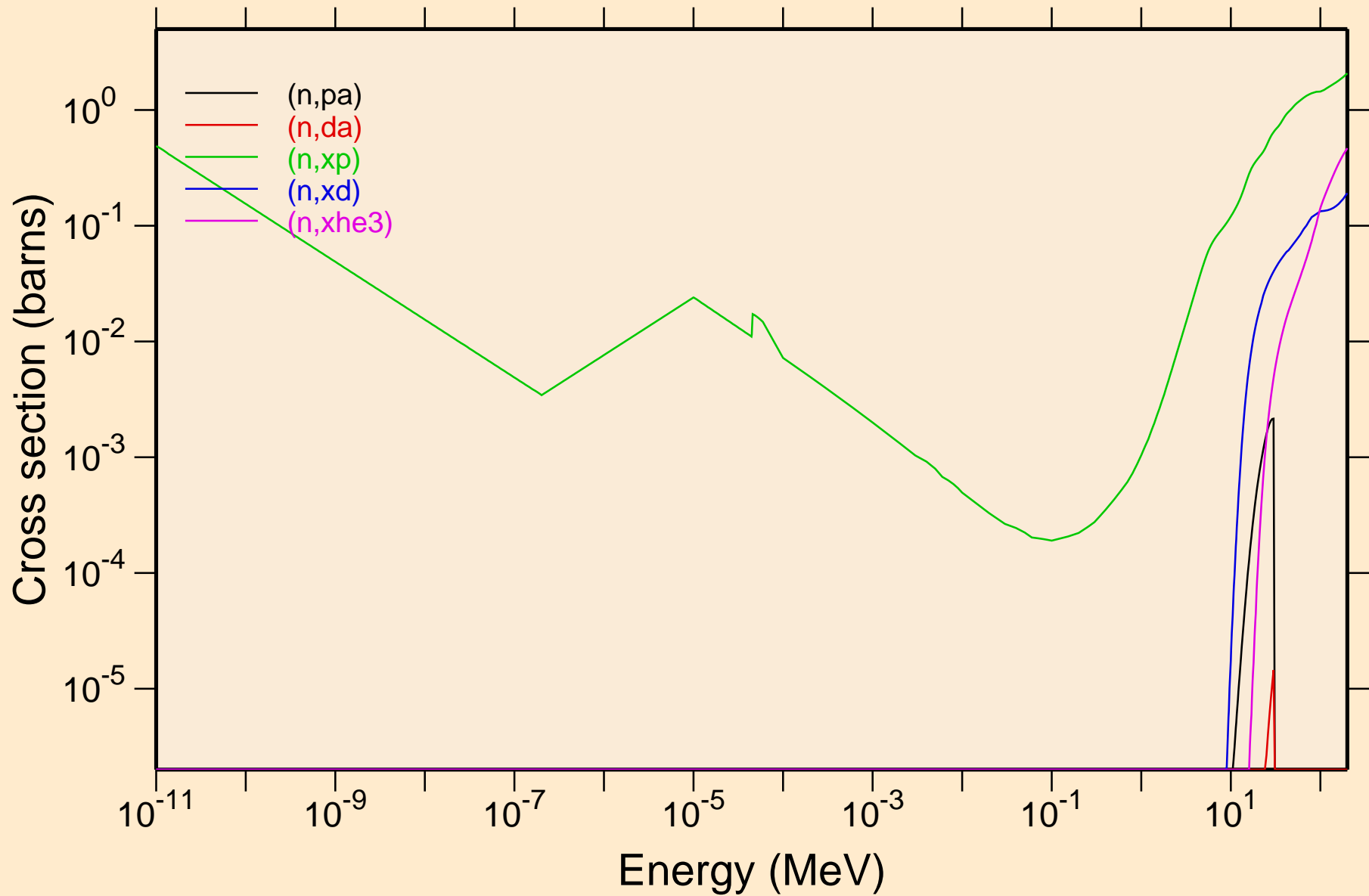
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



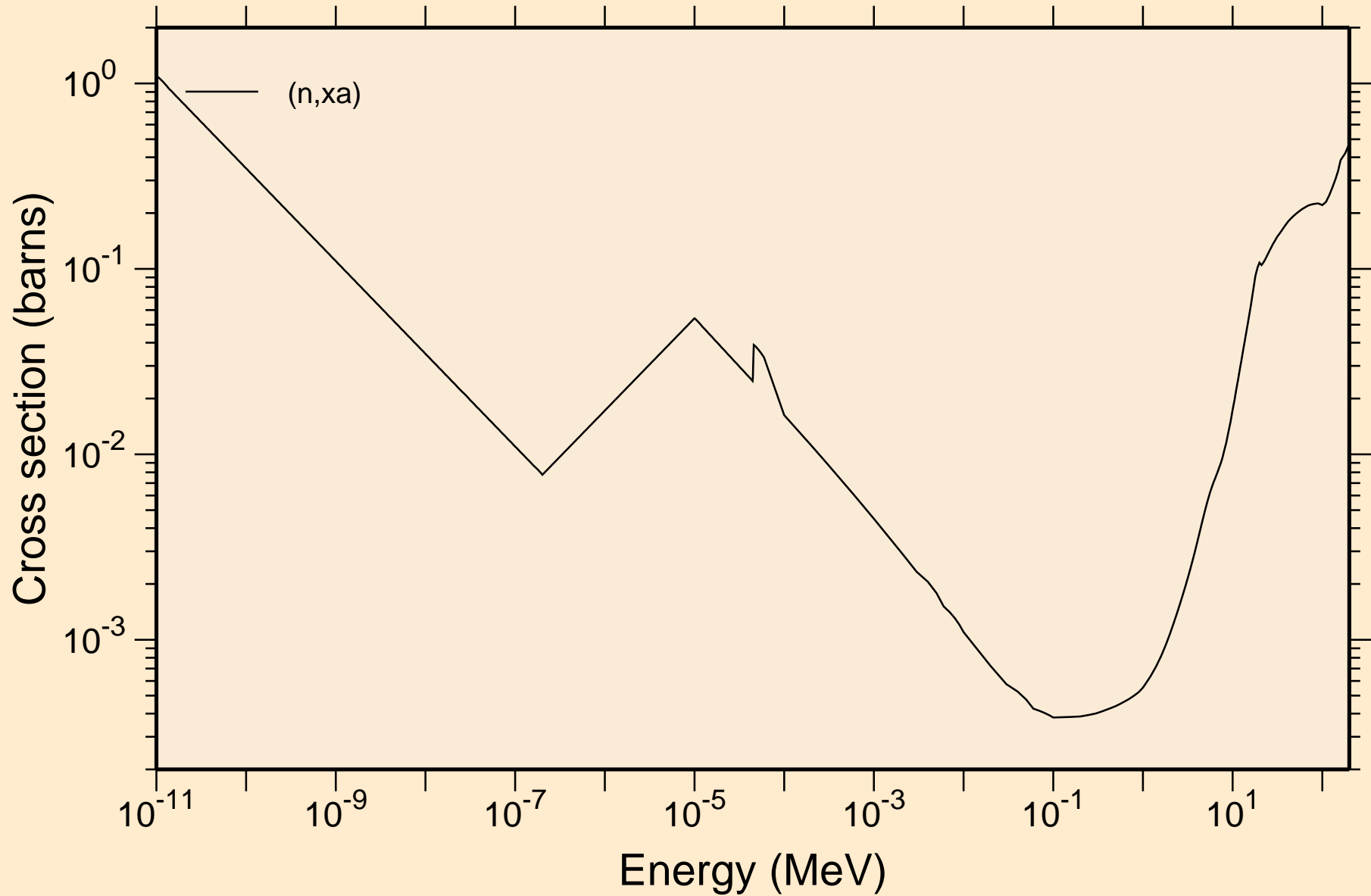
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Non-threshold reactions



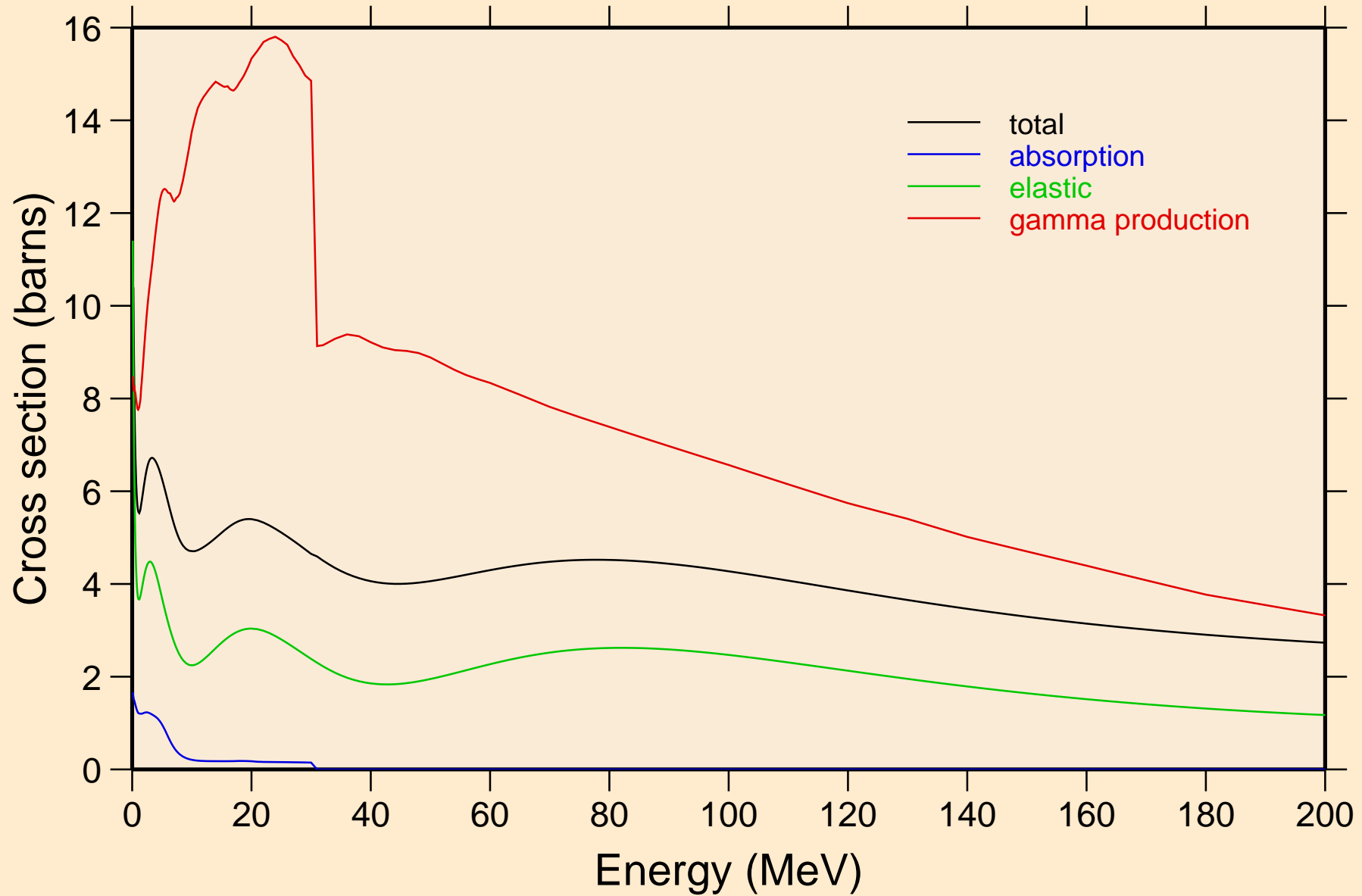
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



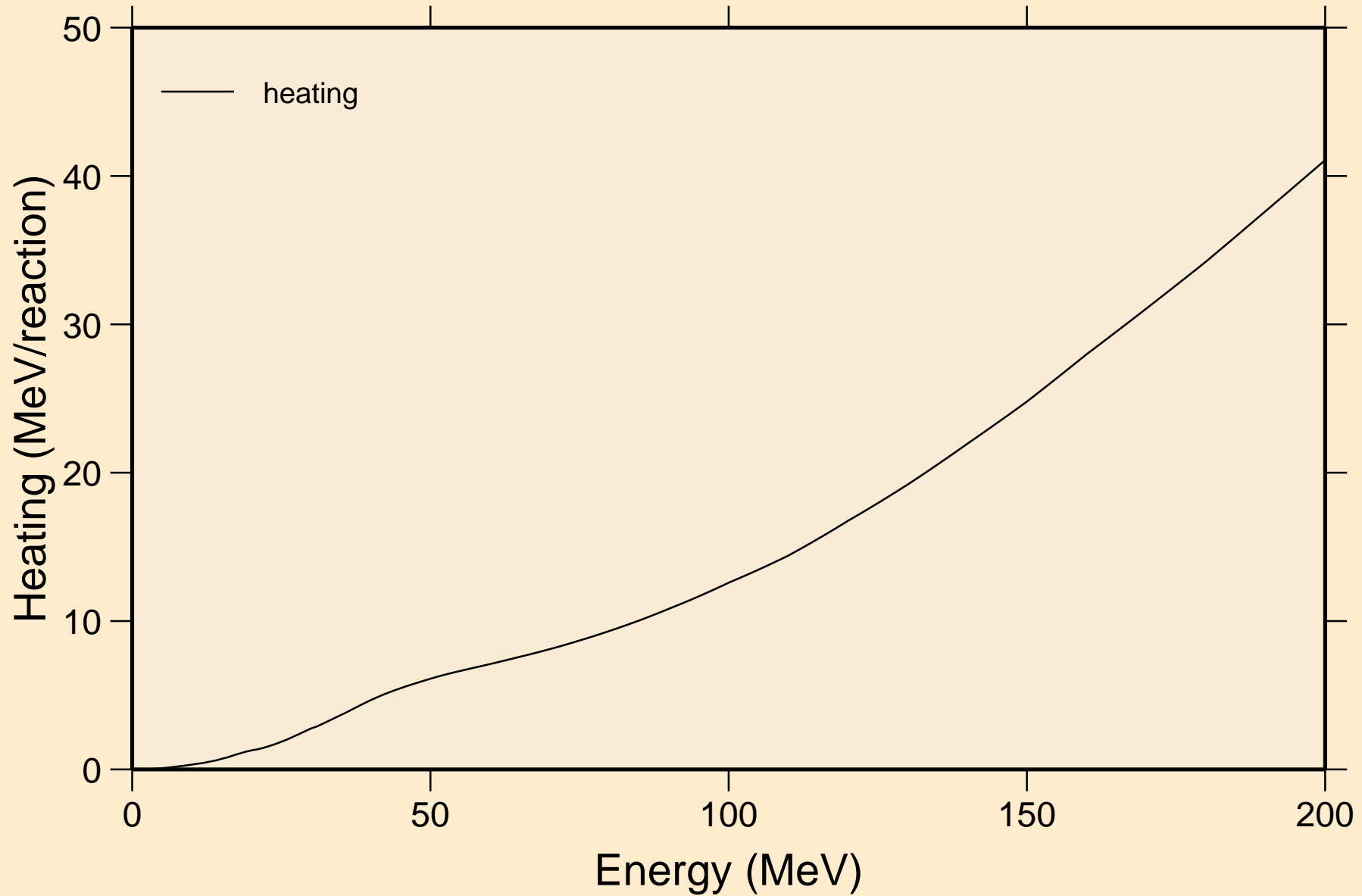
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



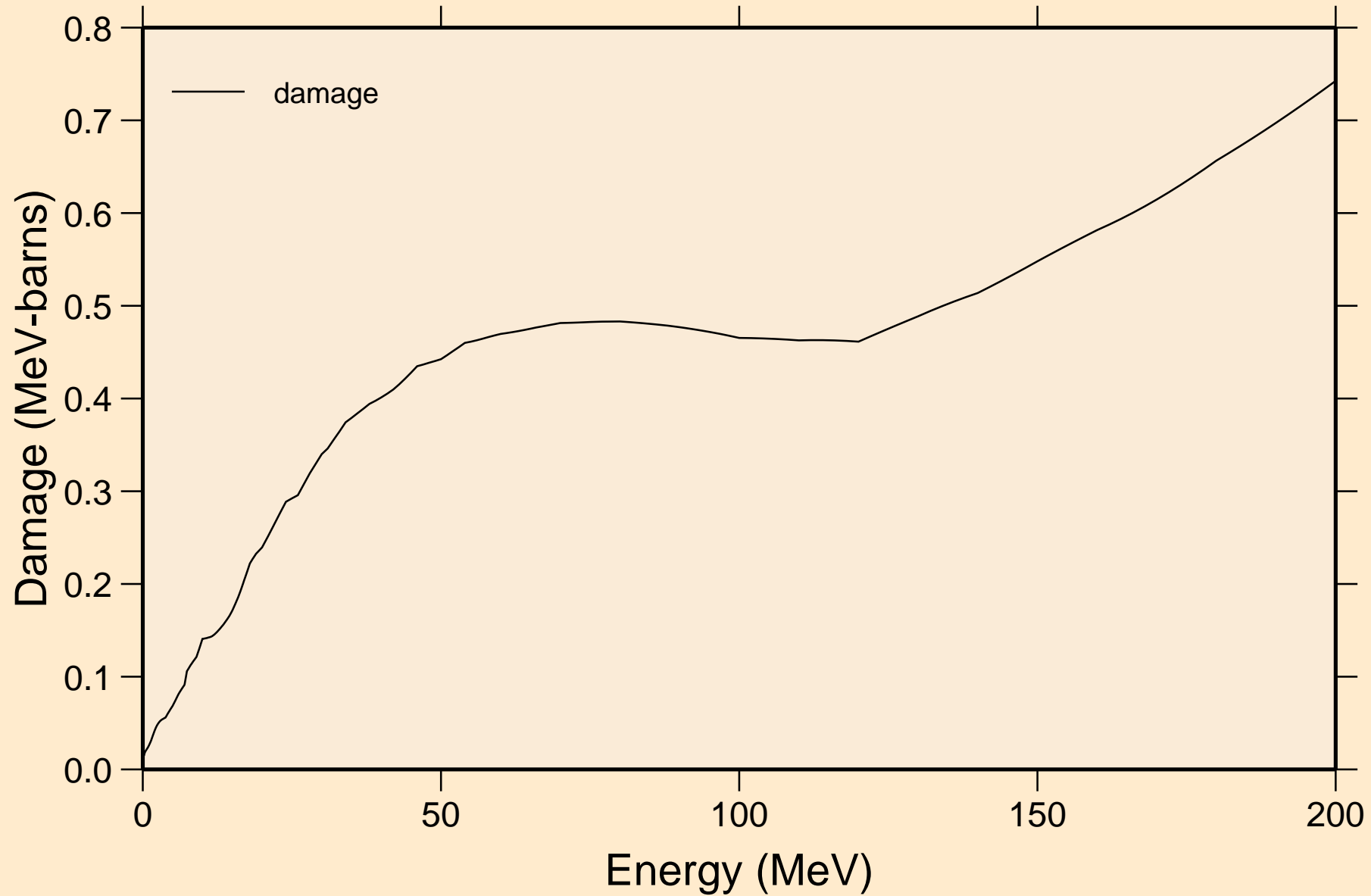


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

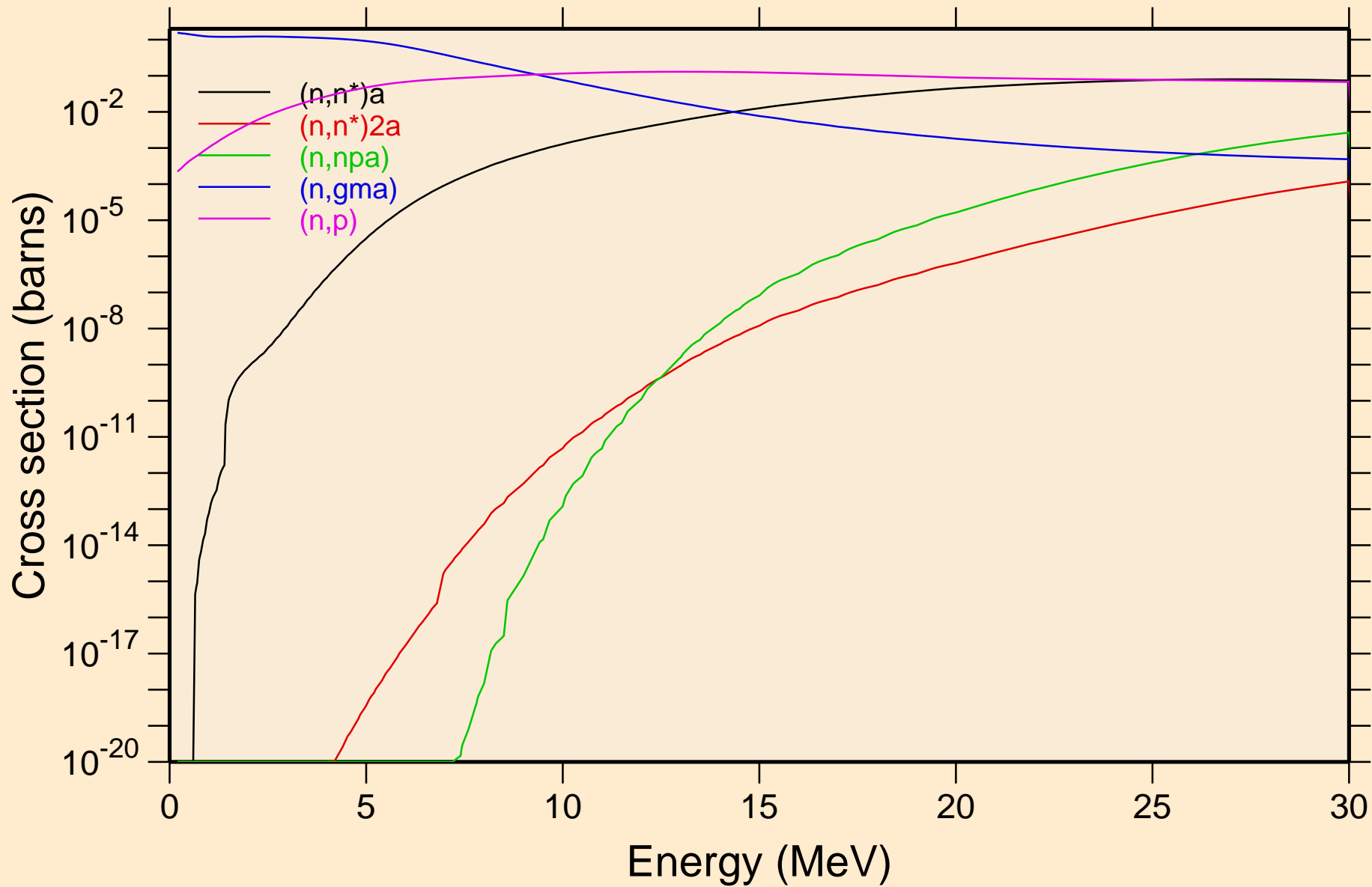
Heating



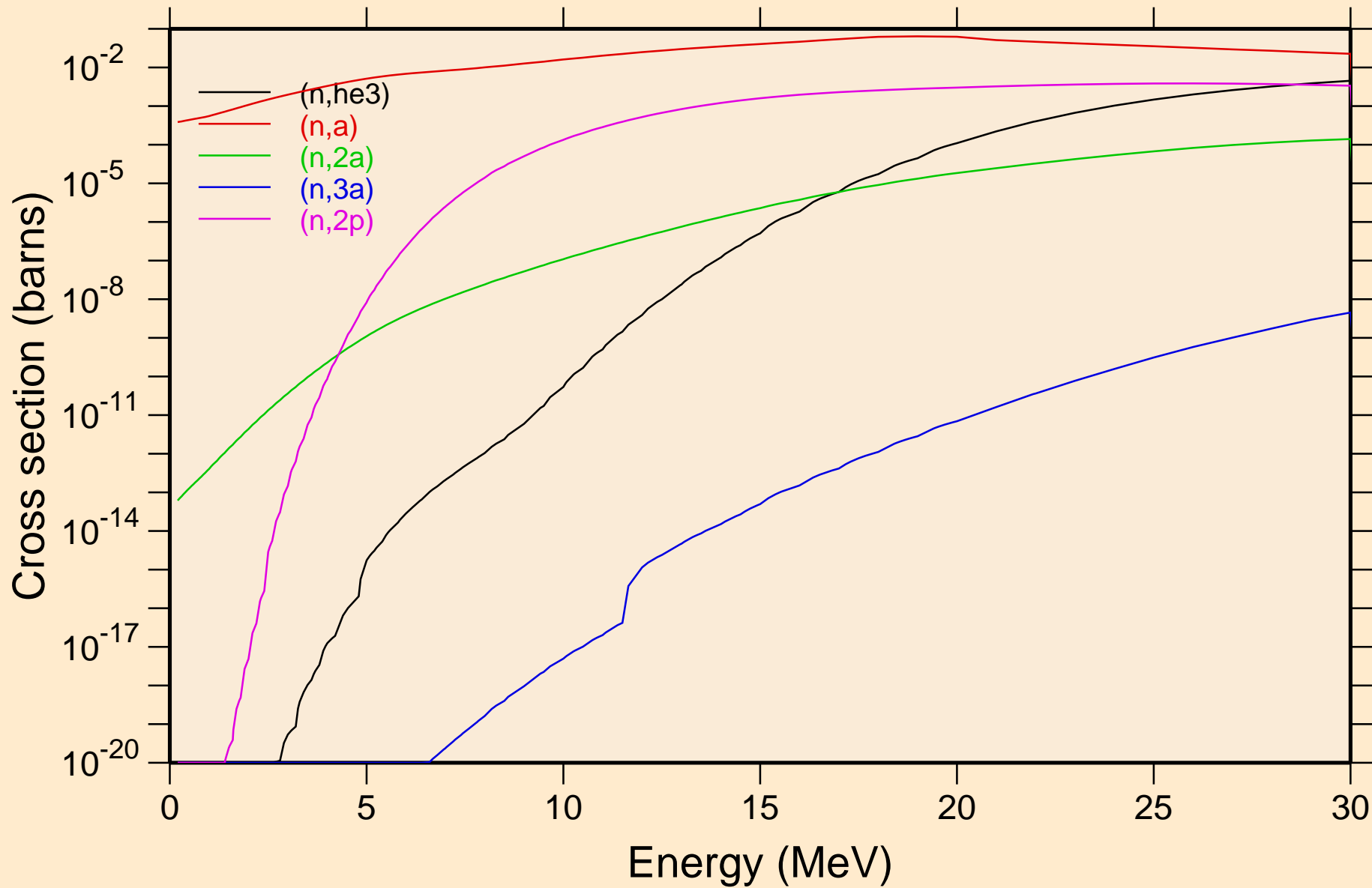
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Damage



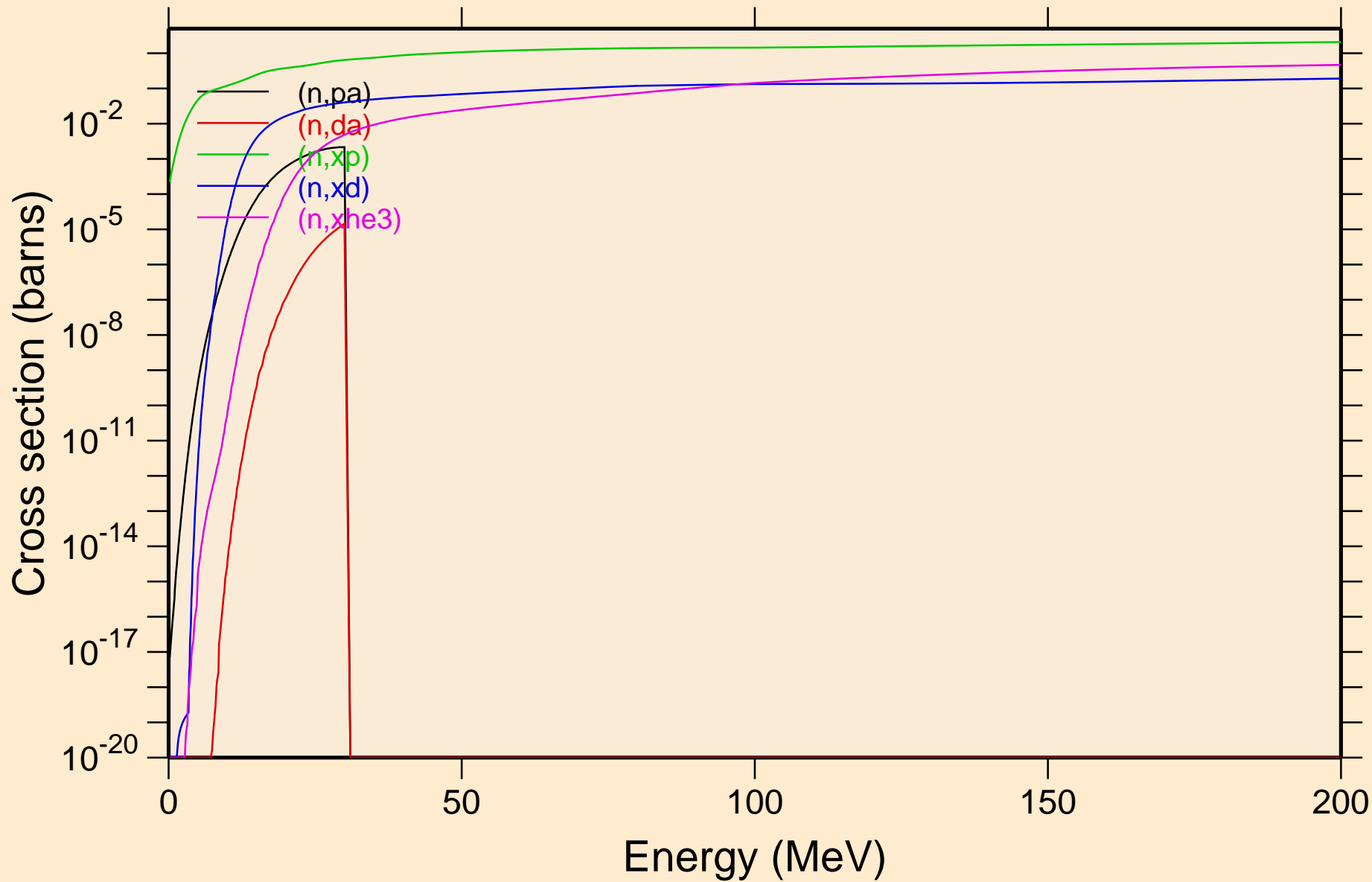
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Non-threshold reactions



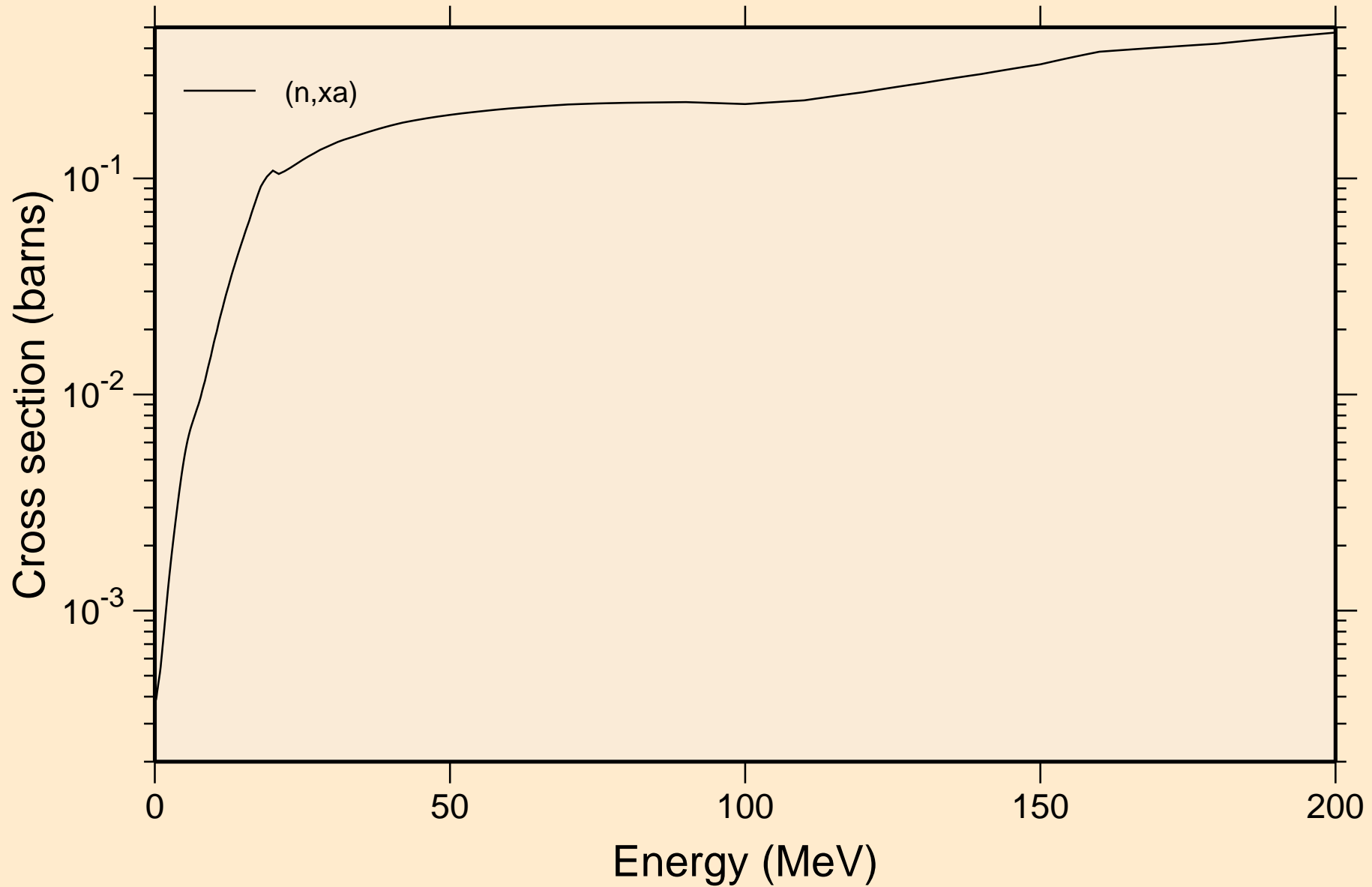
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



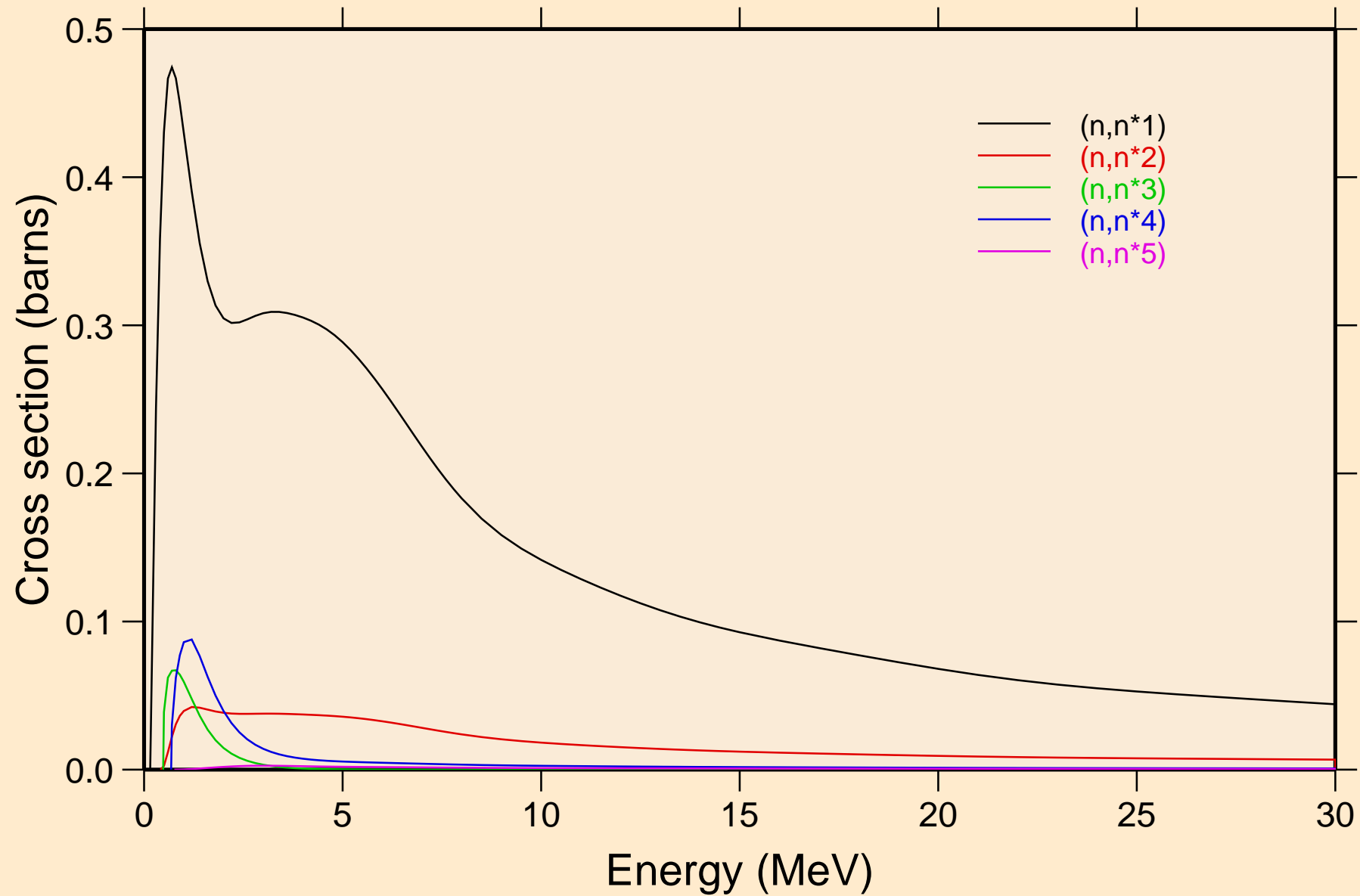
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Non-threshold reactions



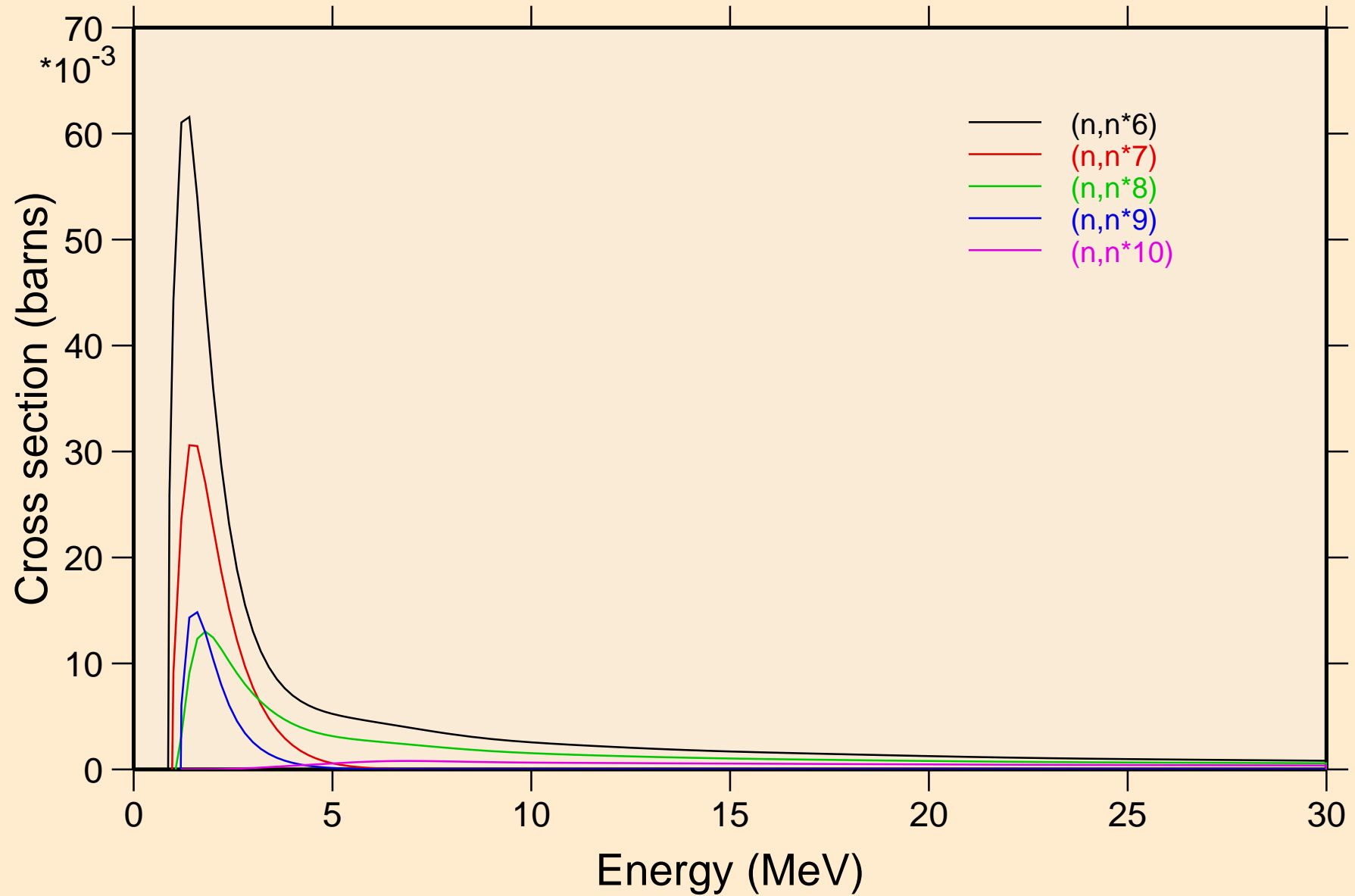
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

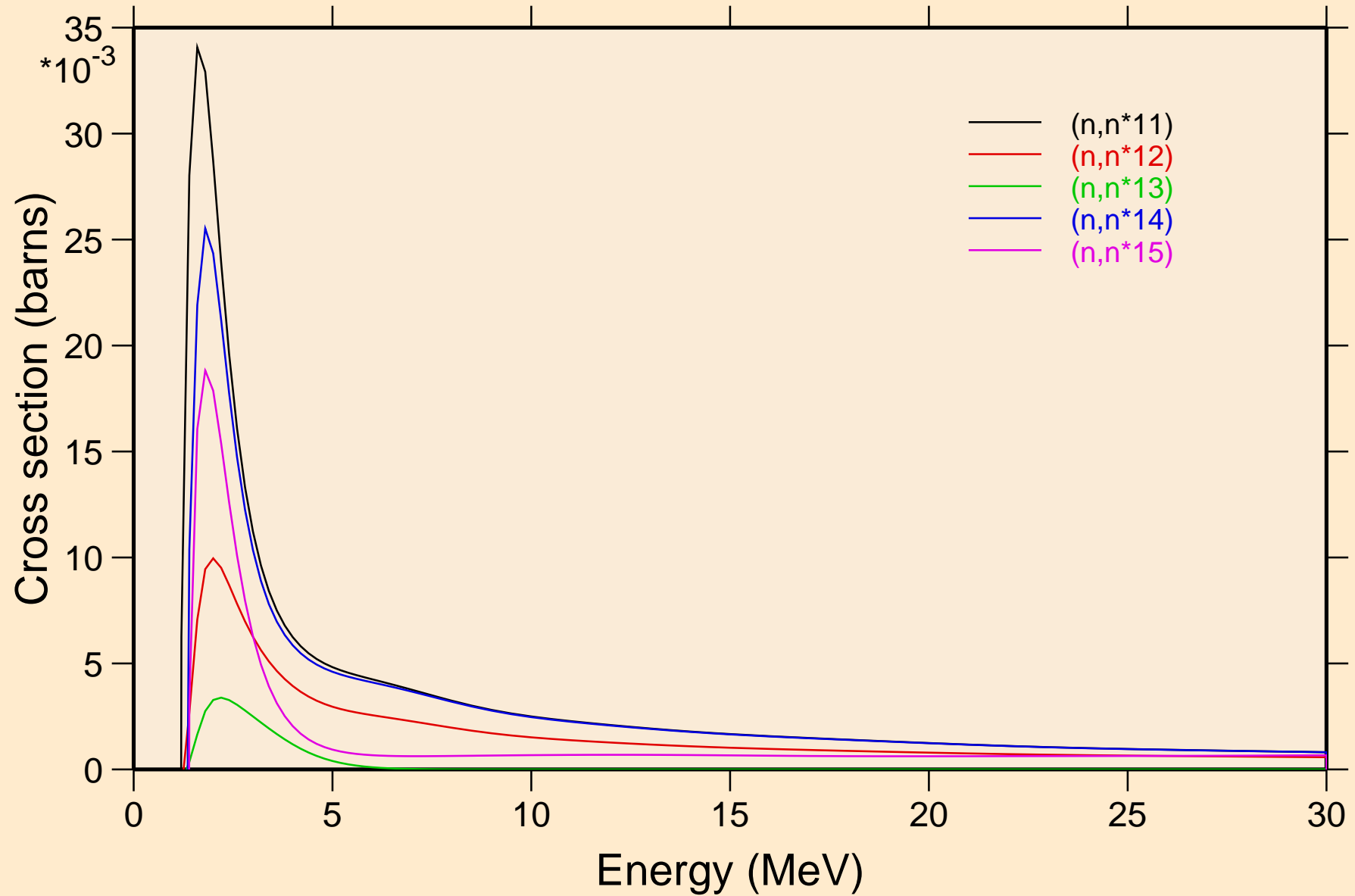


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

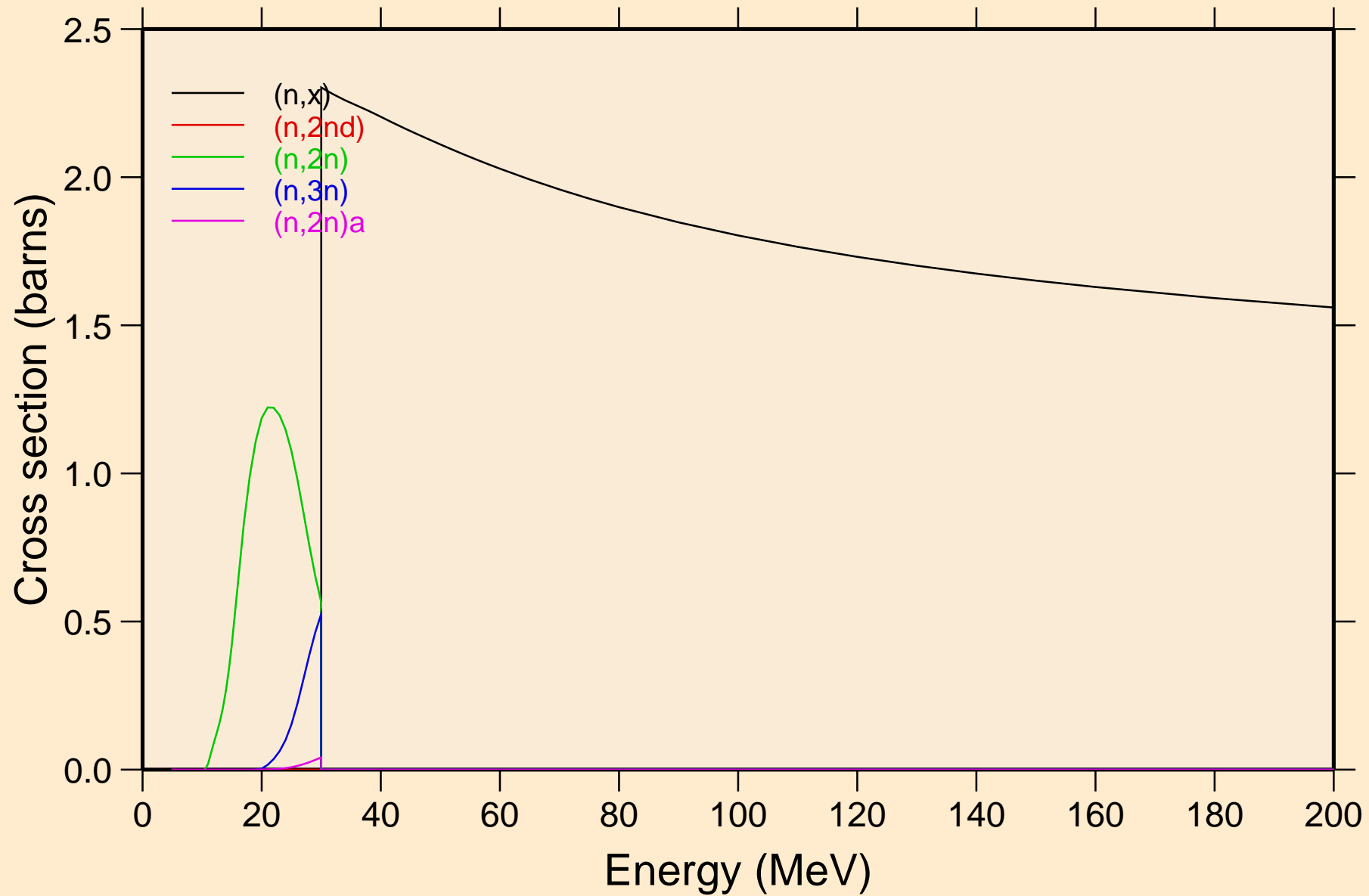




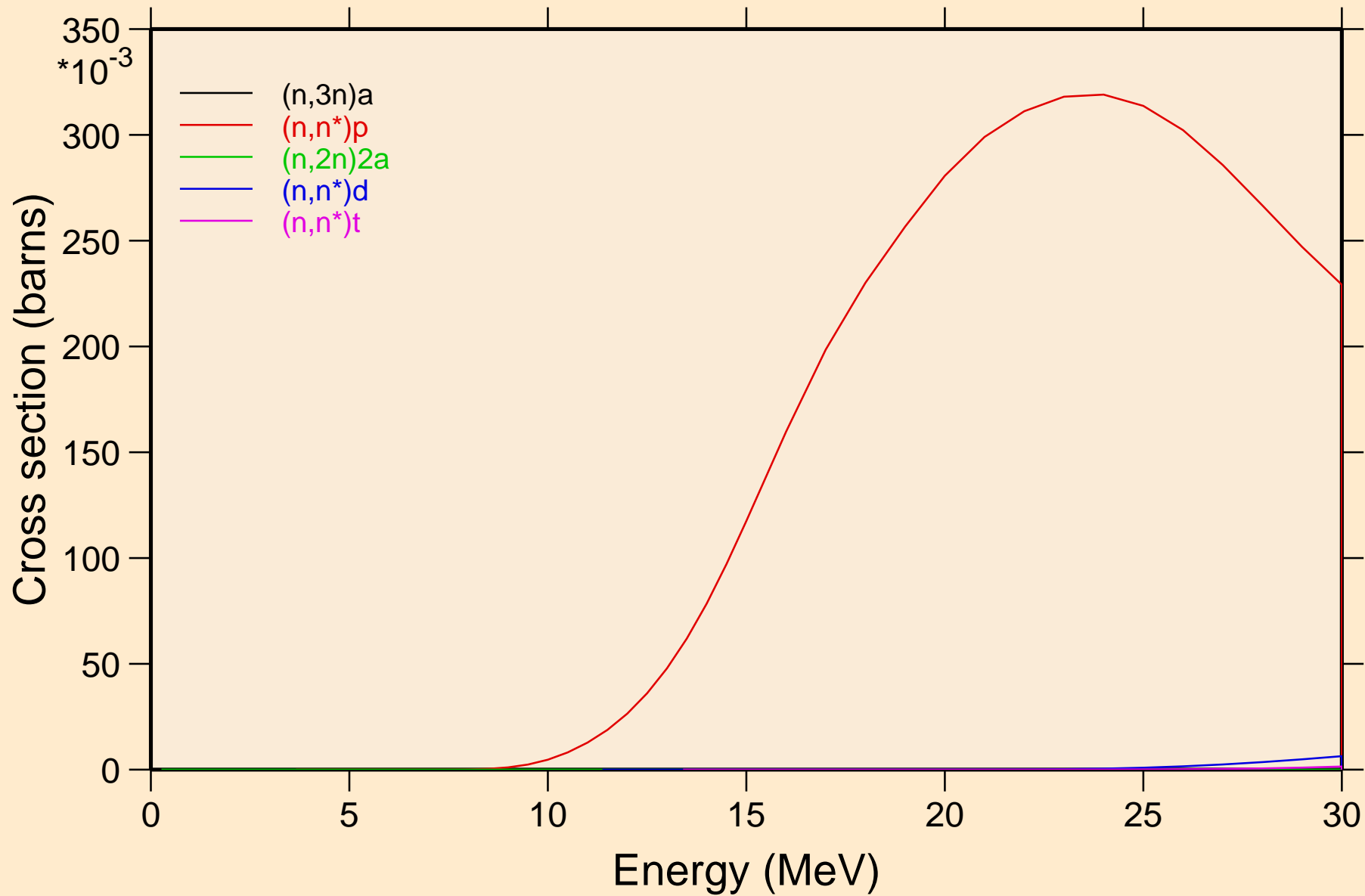
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Inelastic levels



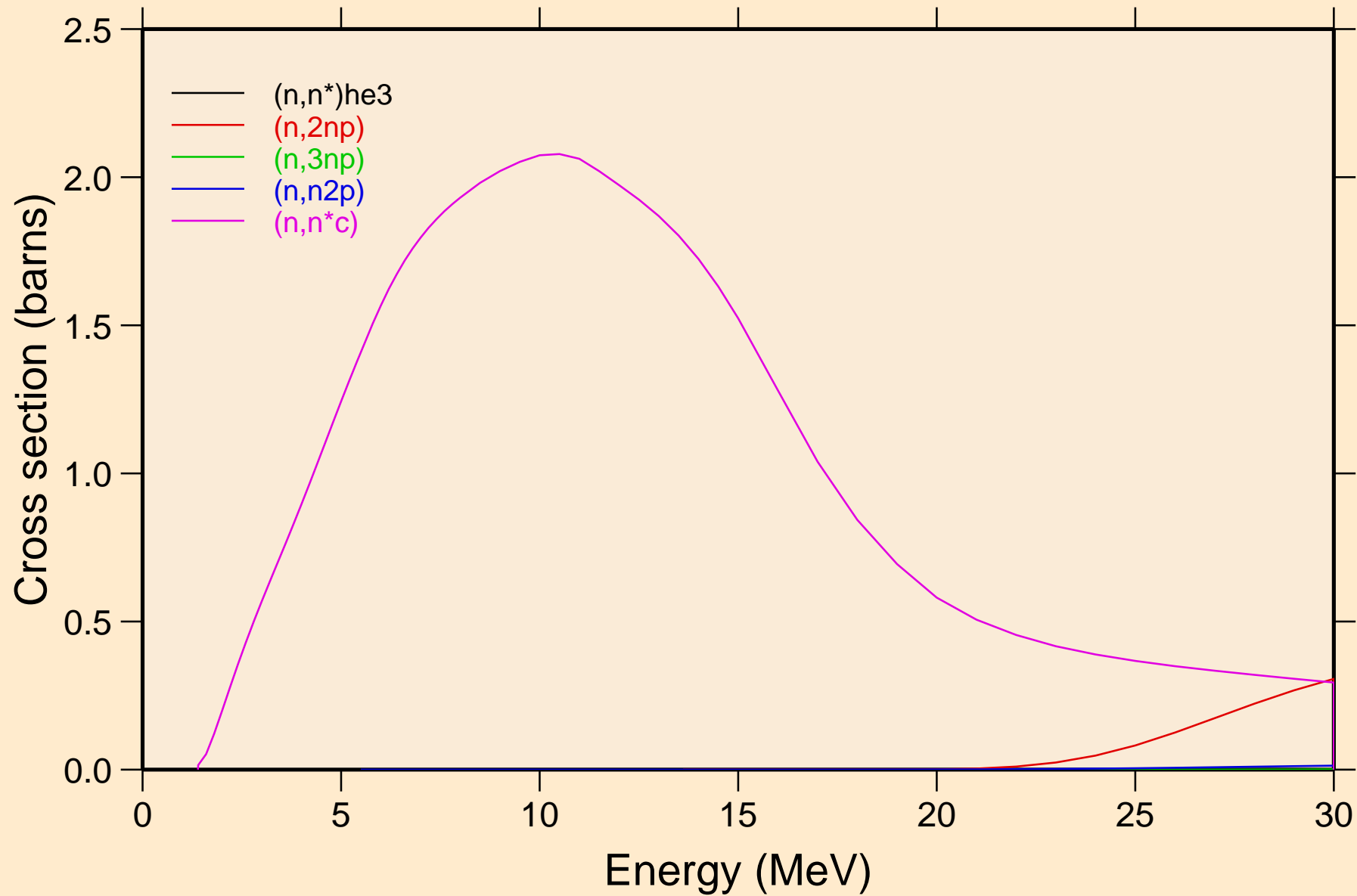
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Threshold reactions



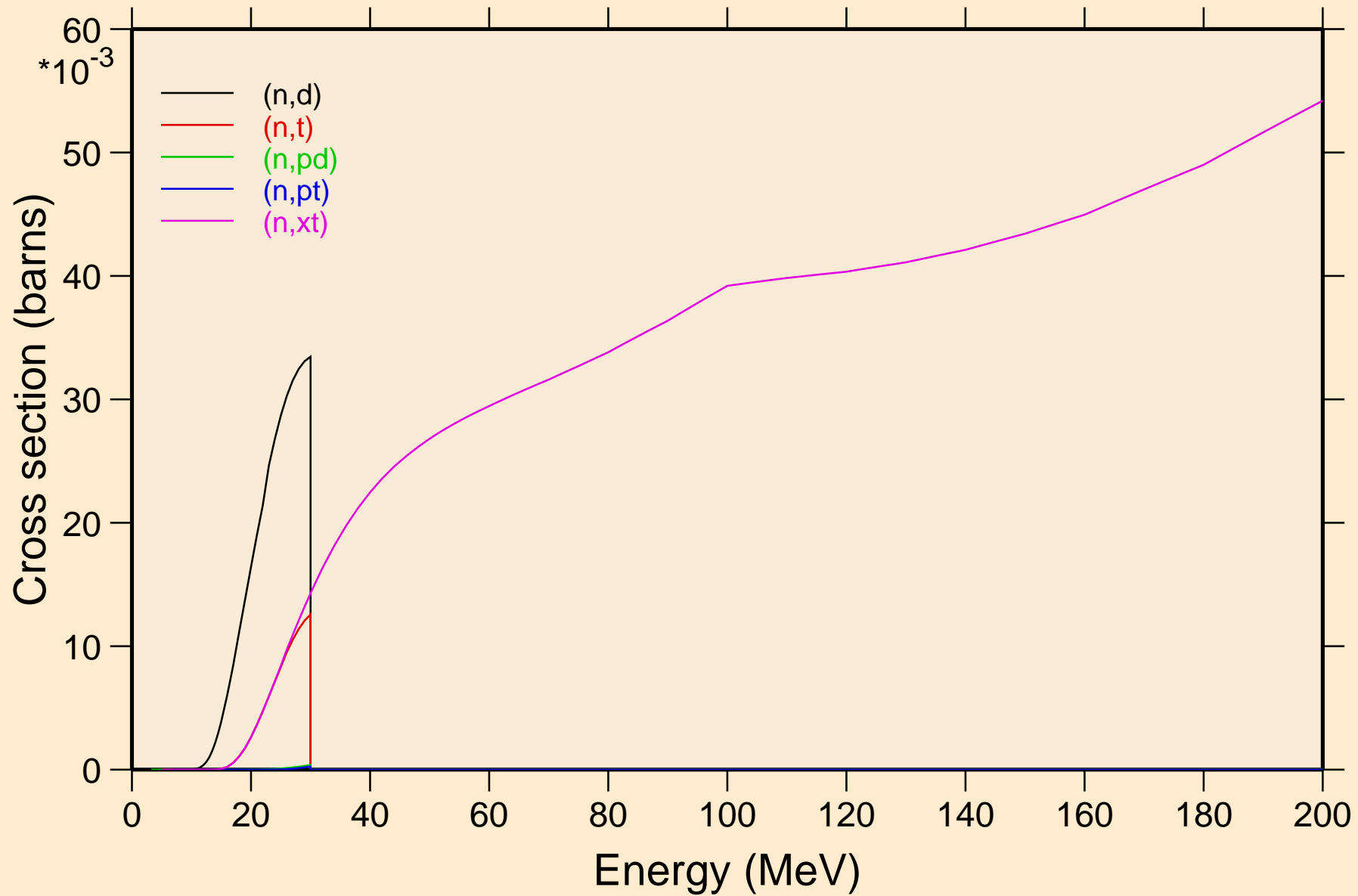
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



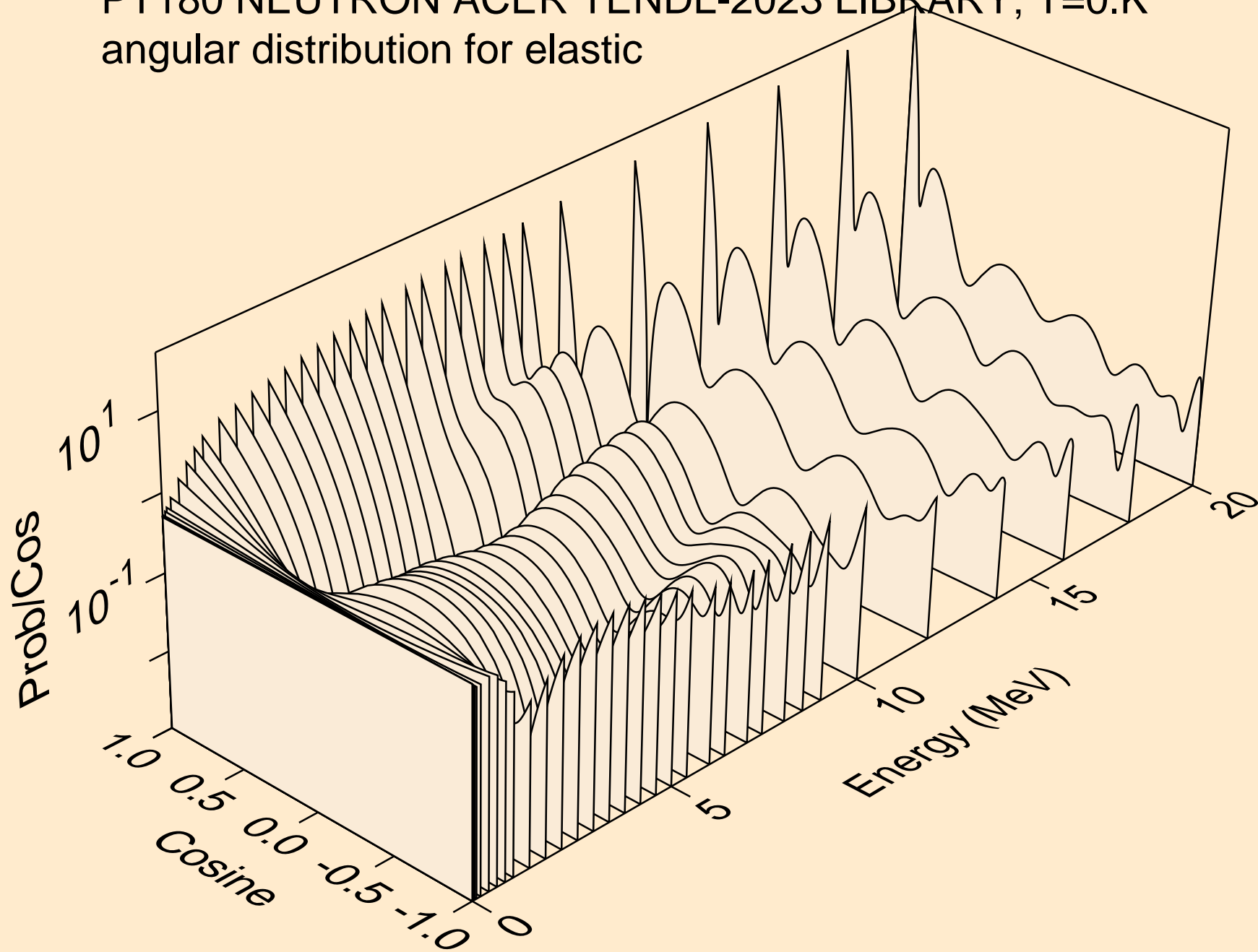
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



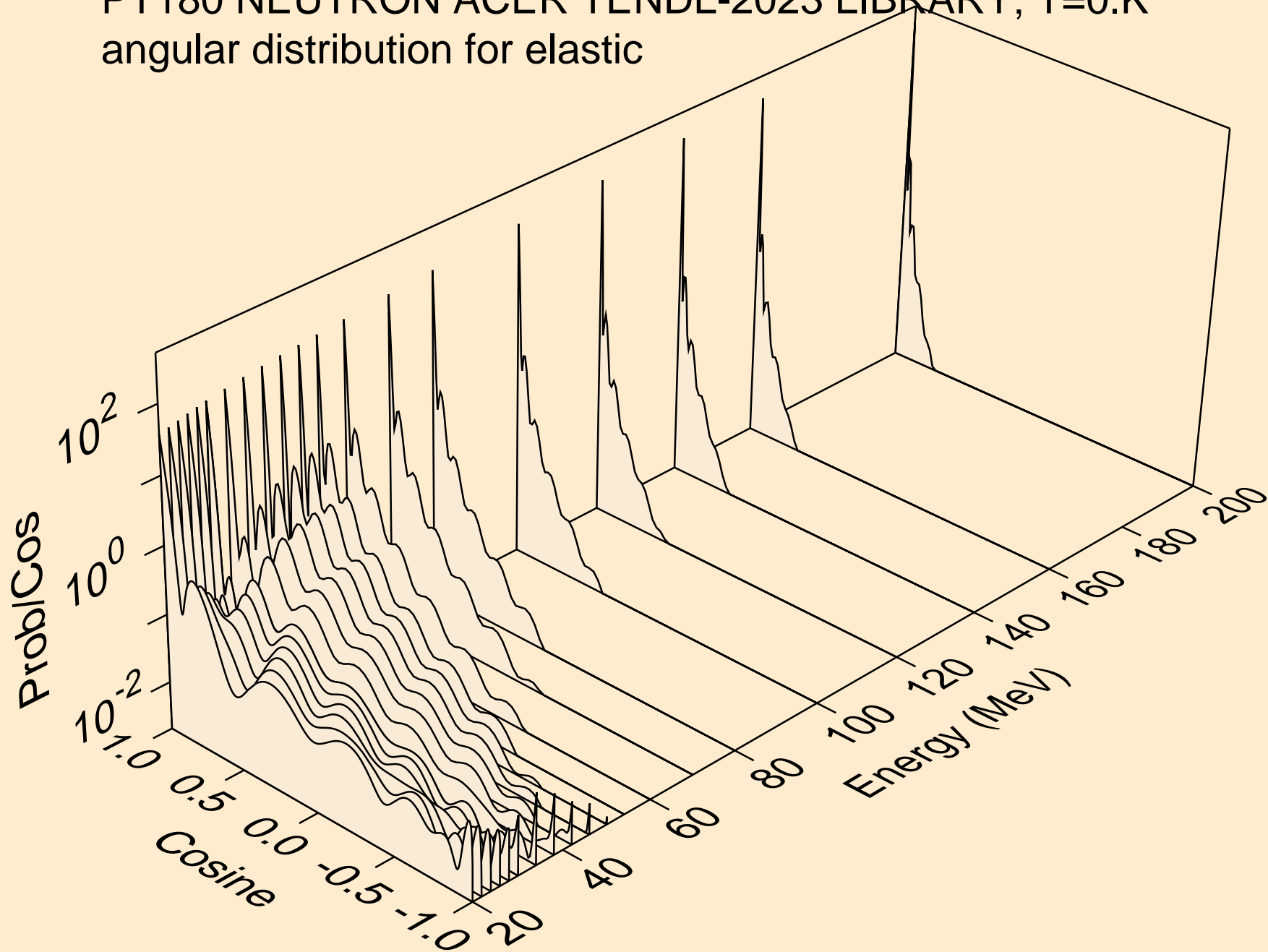
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Threshold reactions



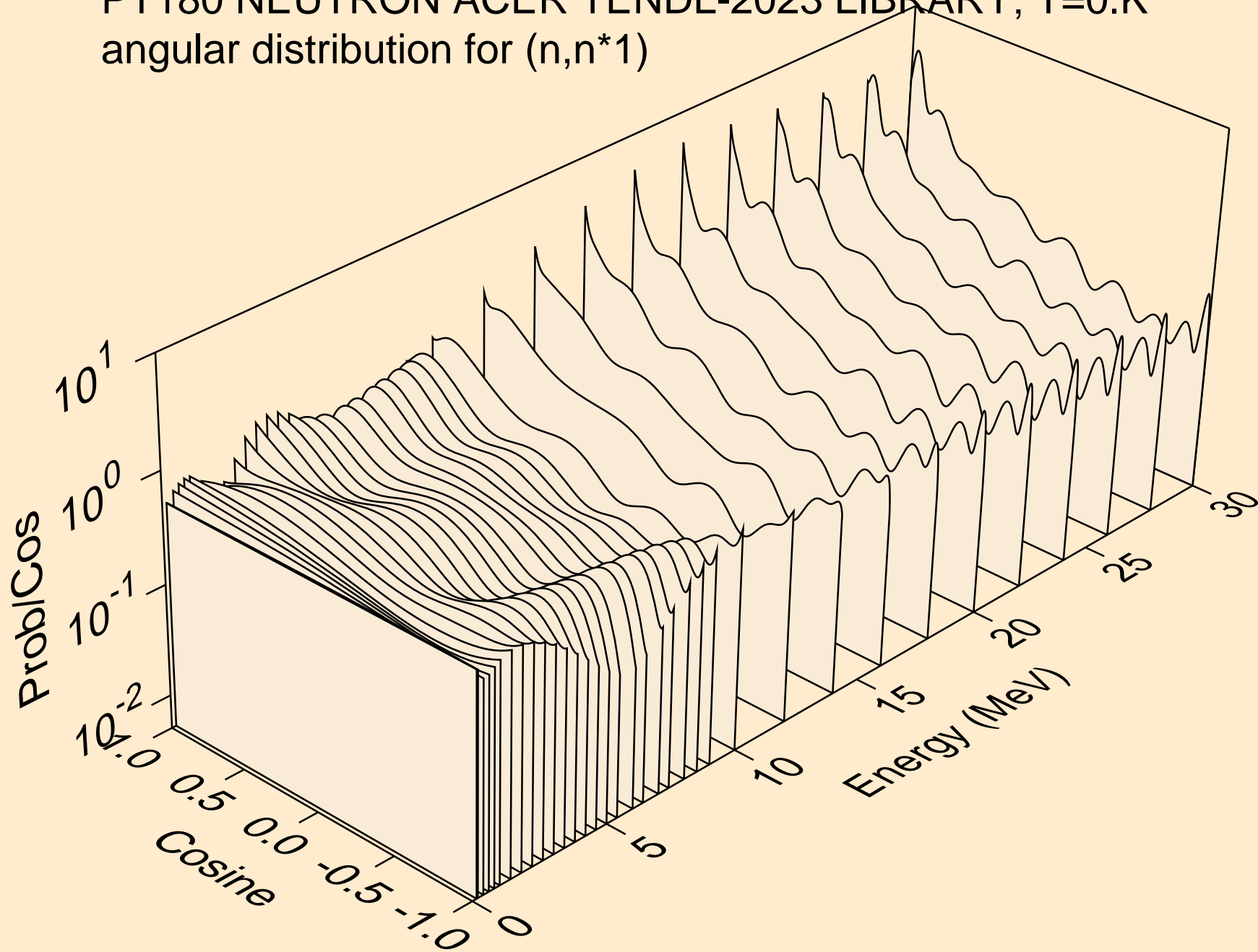
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

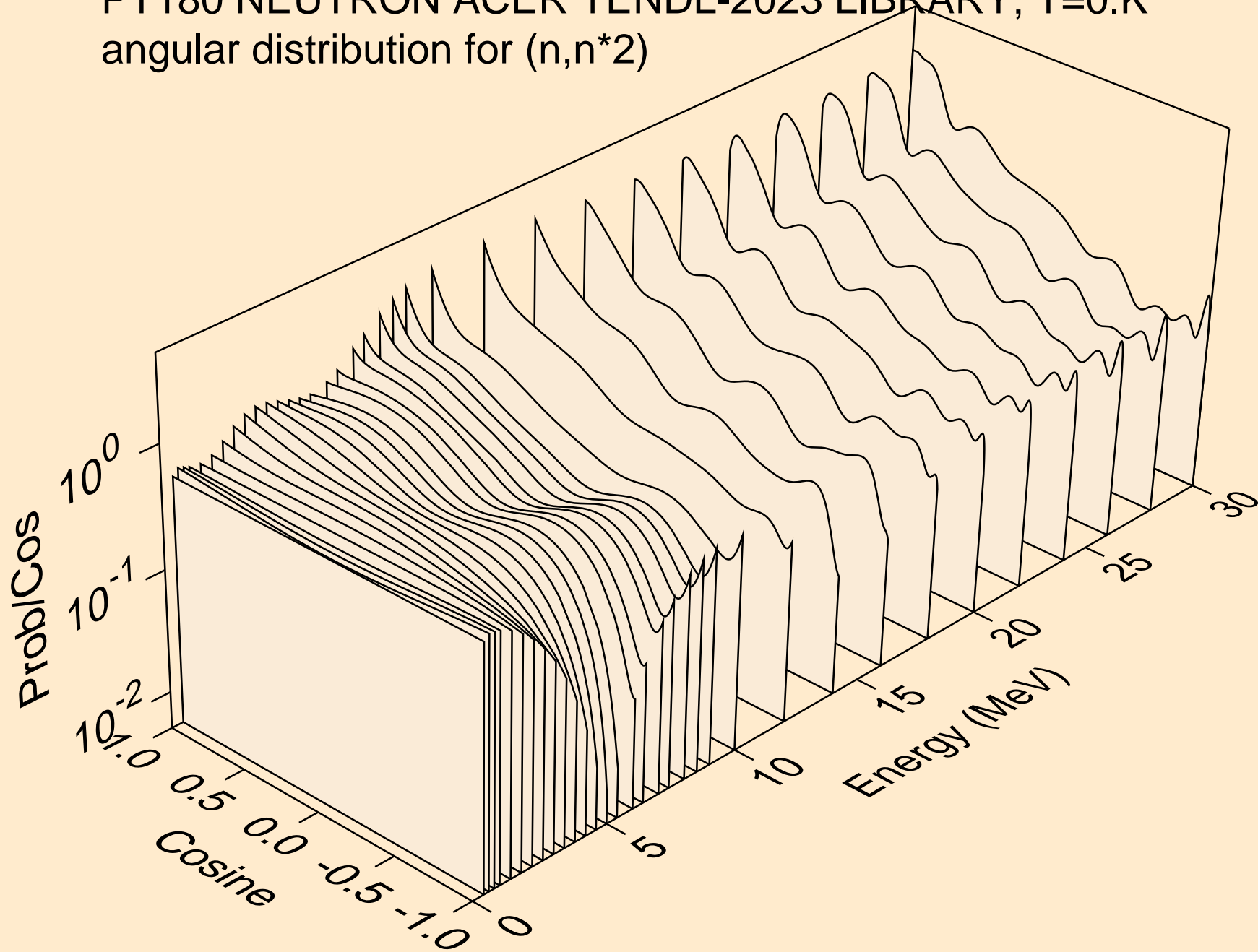


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angular distribution for (n,n\*1)

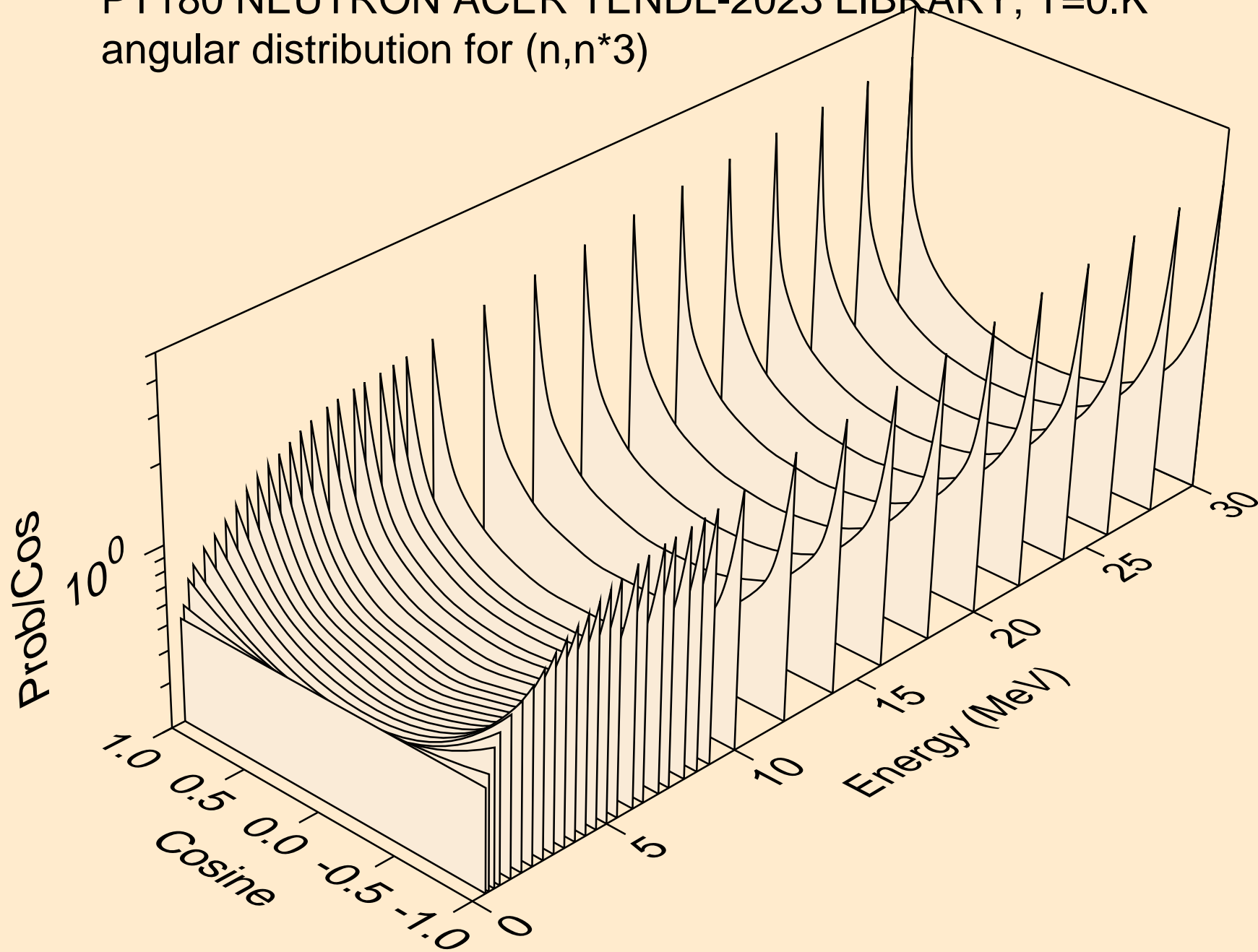




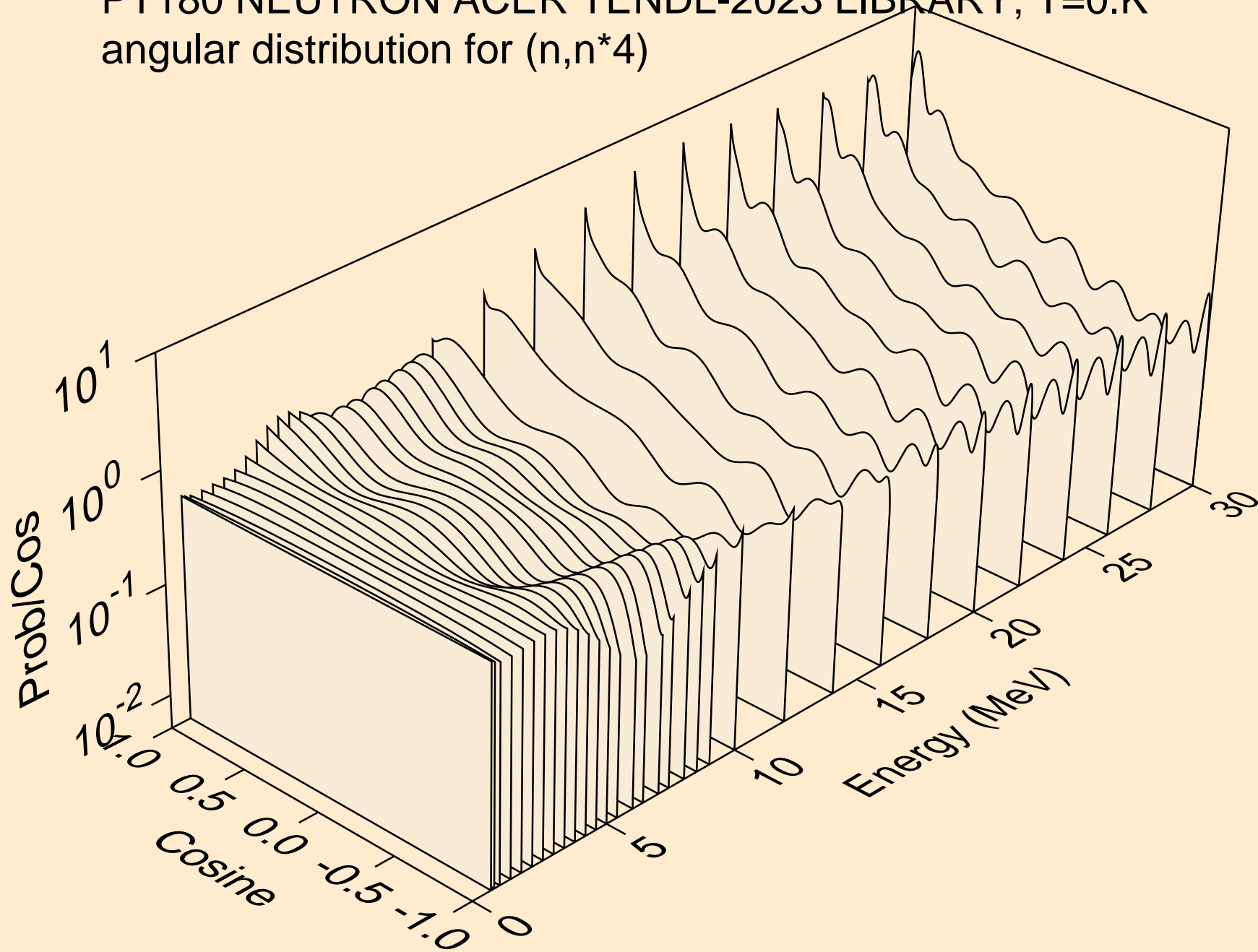
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angular distribution for (n,n\*2)



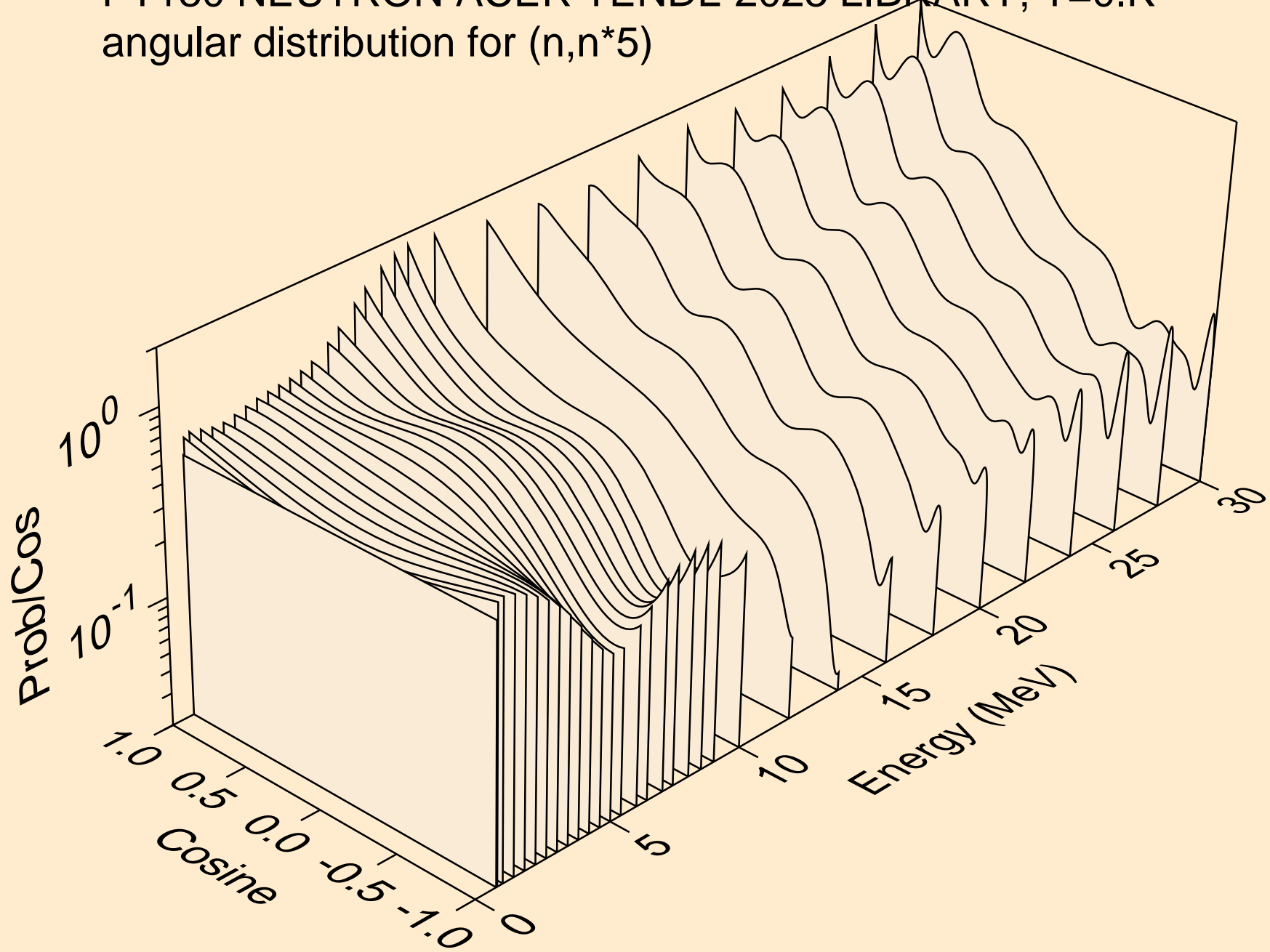
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angular distribution for (n,n\*3)



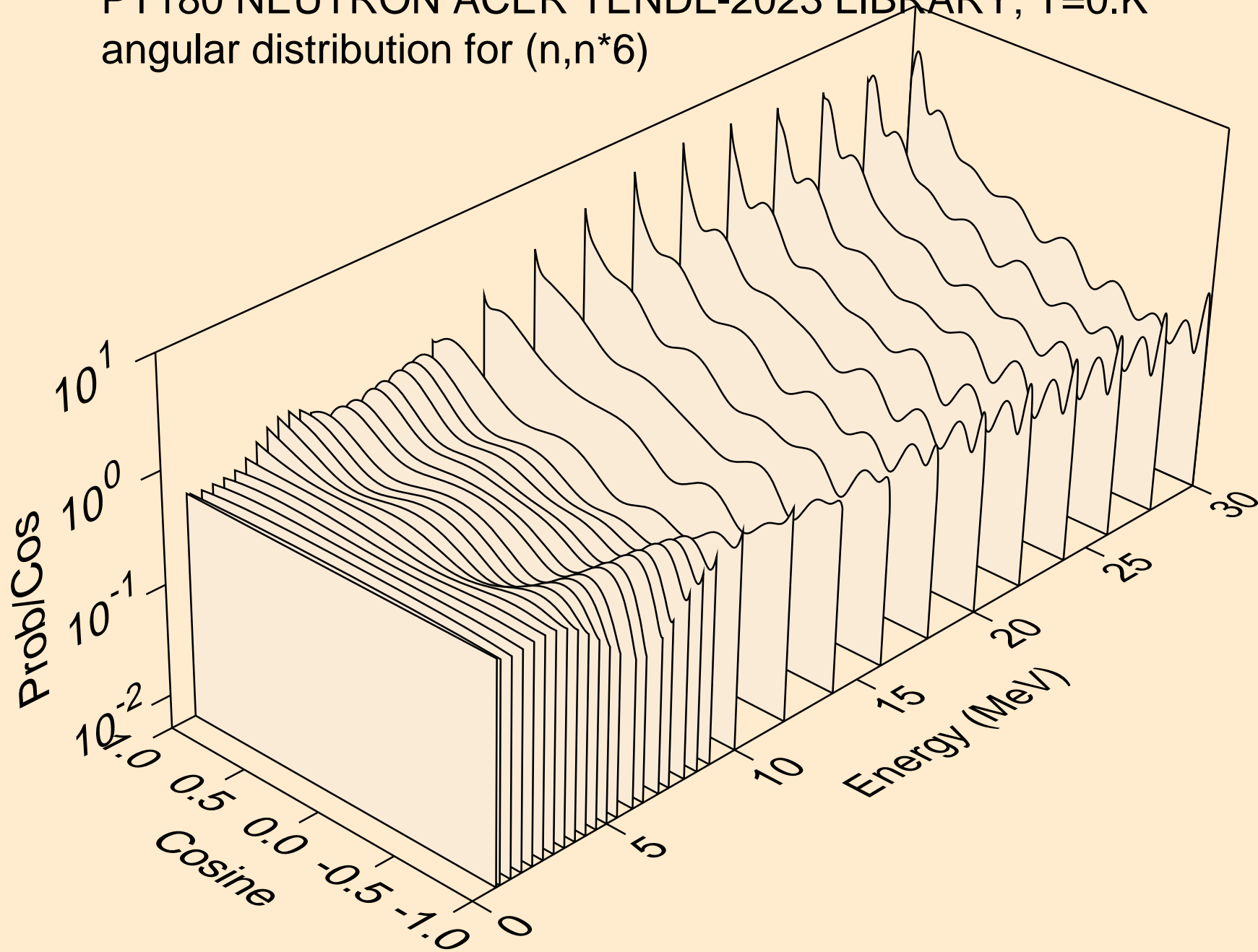
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angular distribution for (n,n\*4)



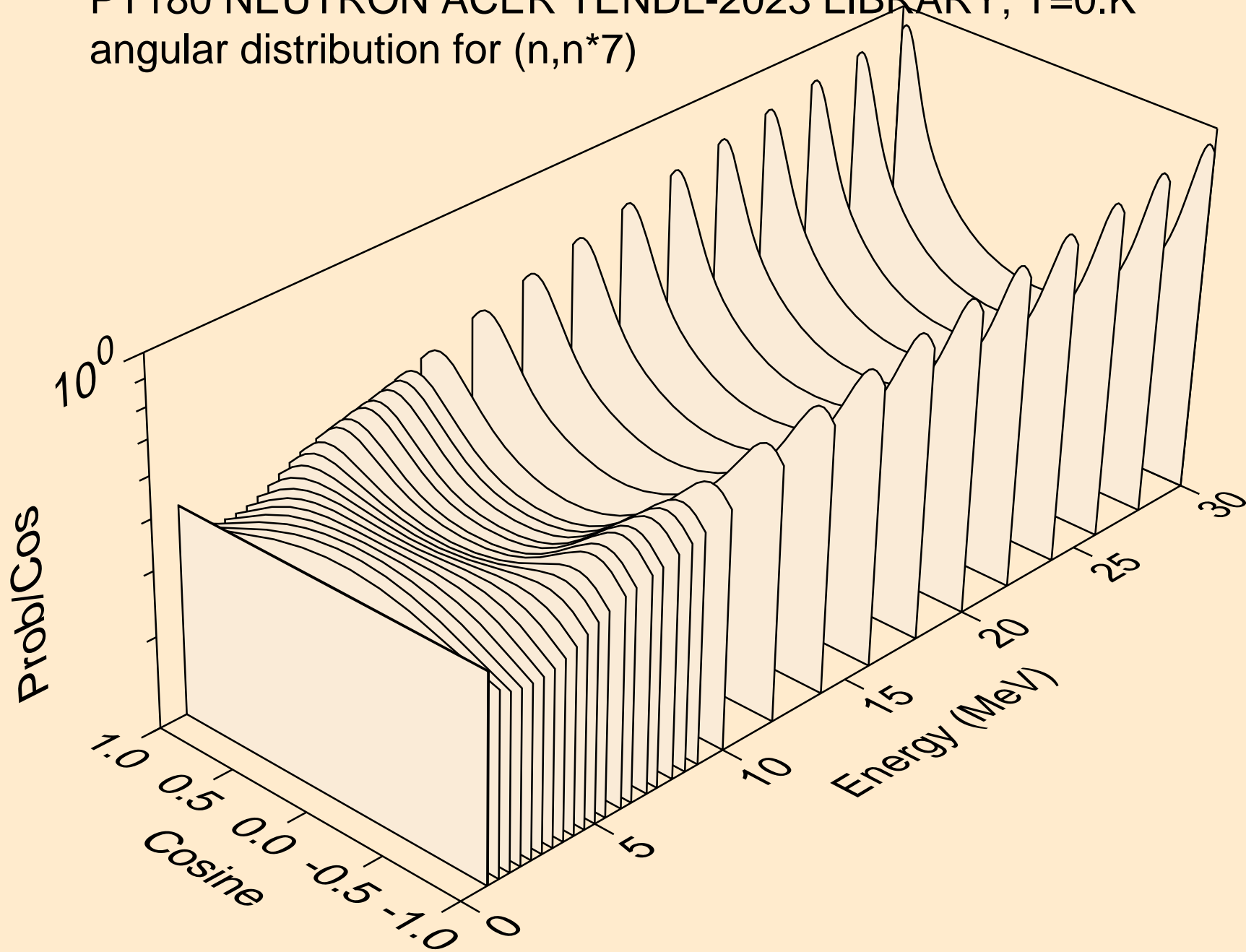
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angular distribution for (n,n\*5)



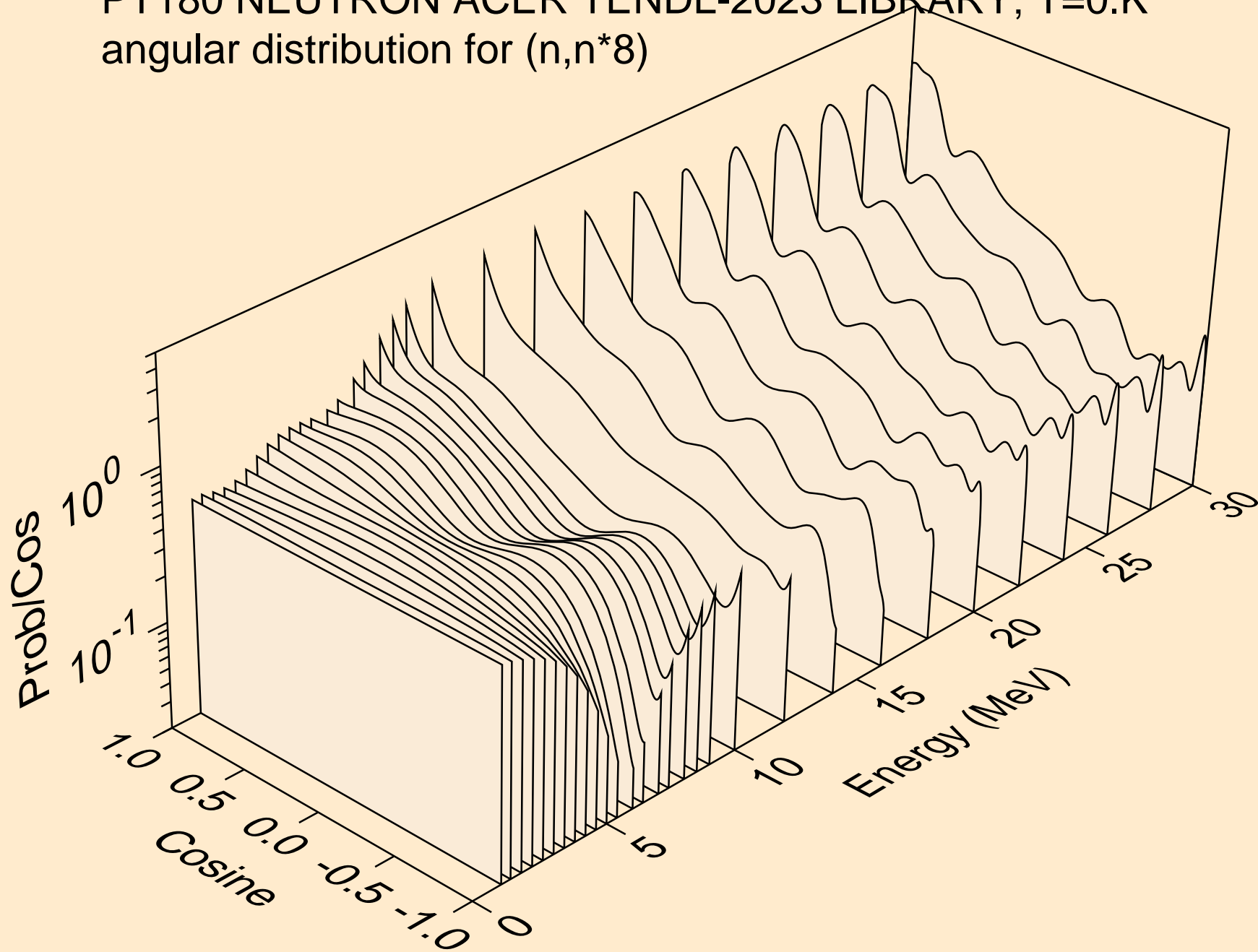
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angular distribution for (n,n\*6)



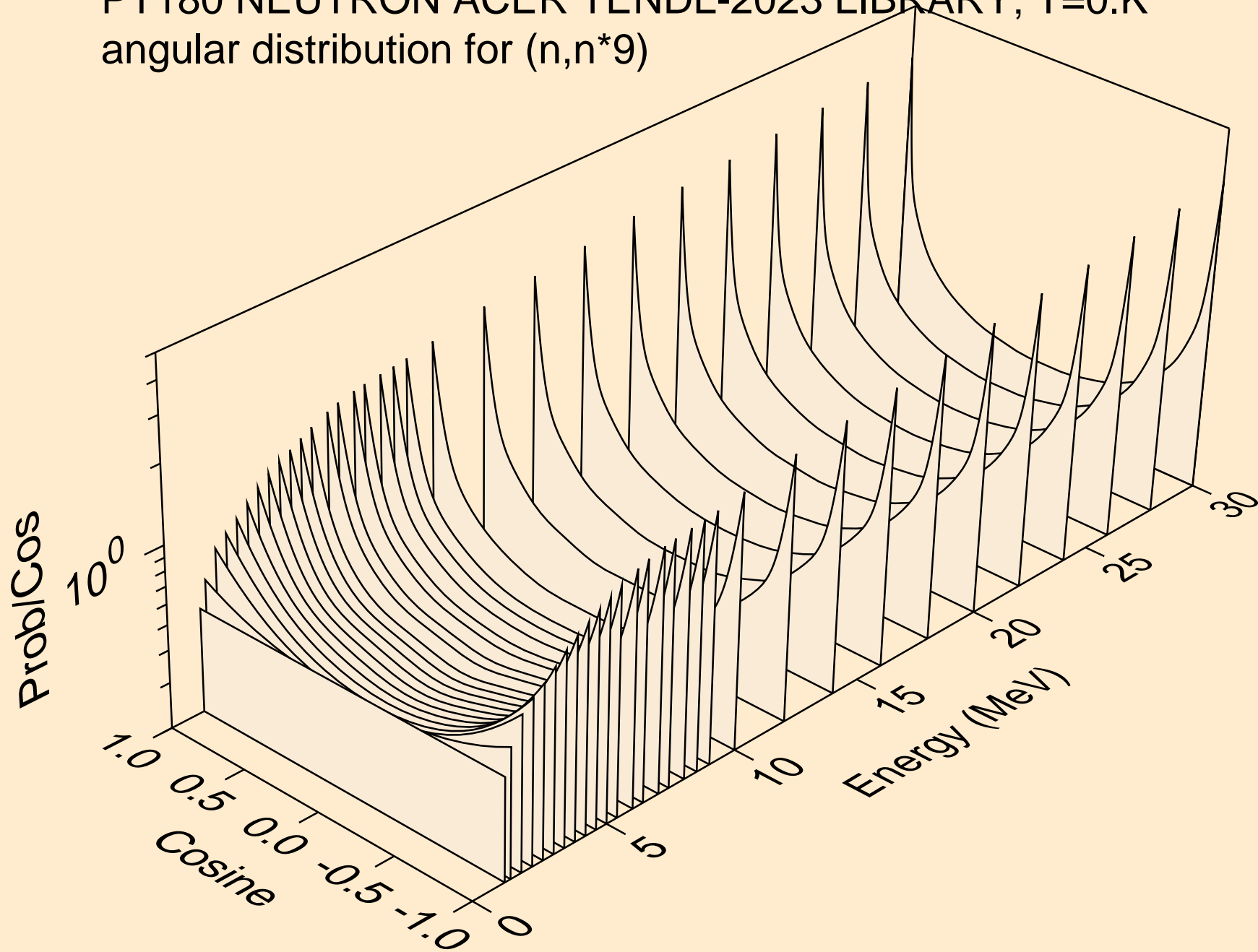
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

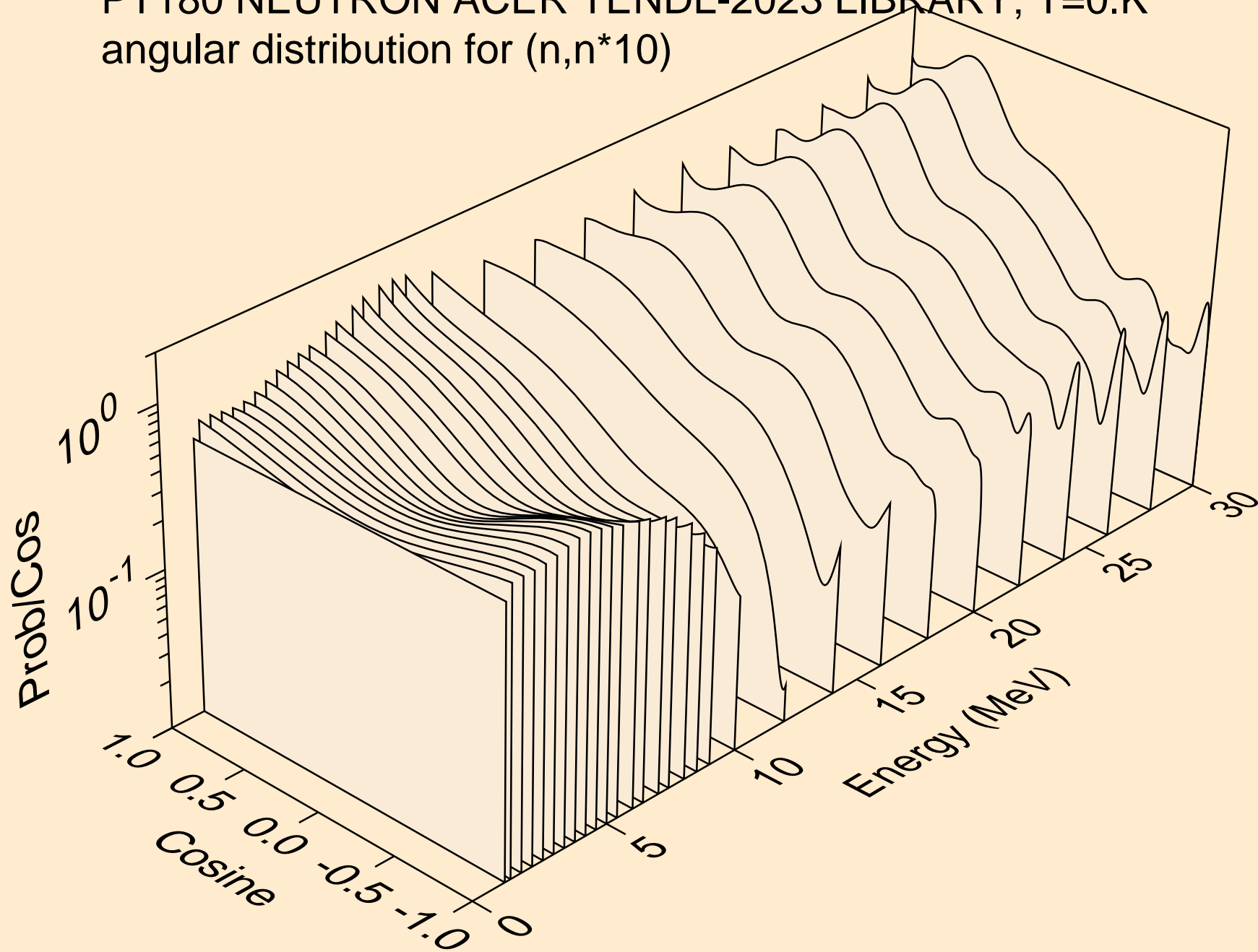


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angular distribution for (n,n\*9)

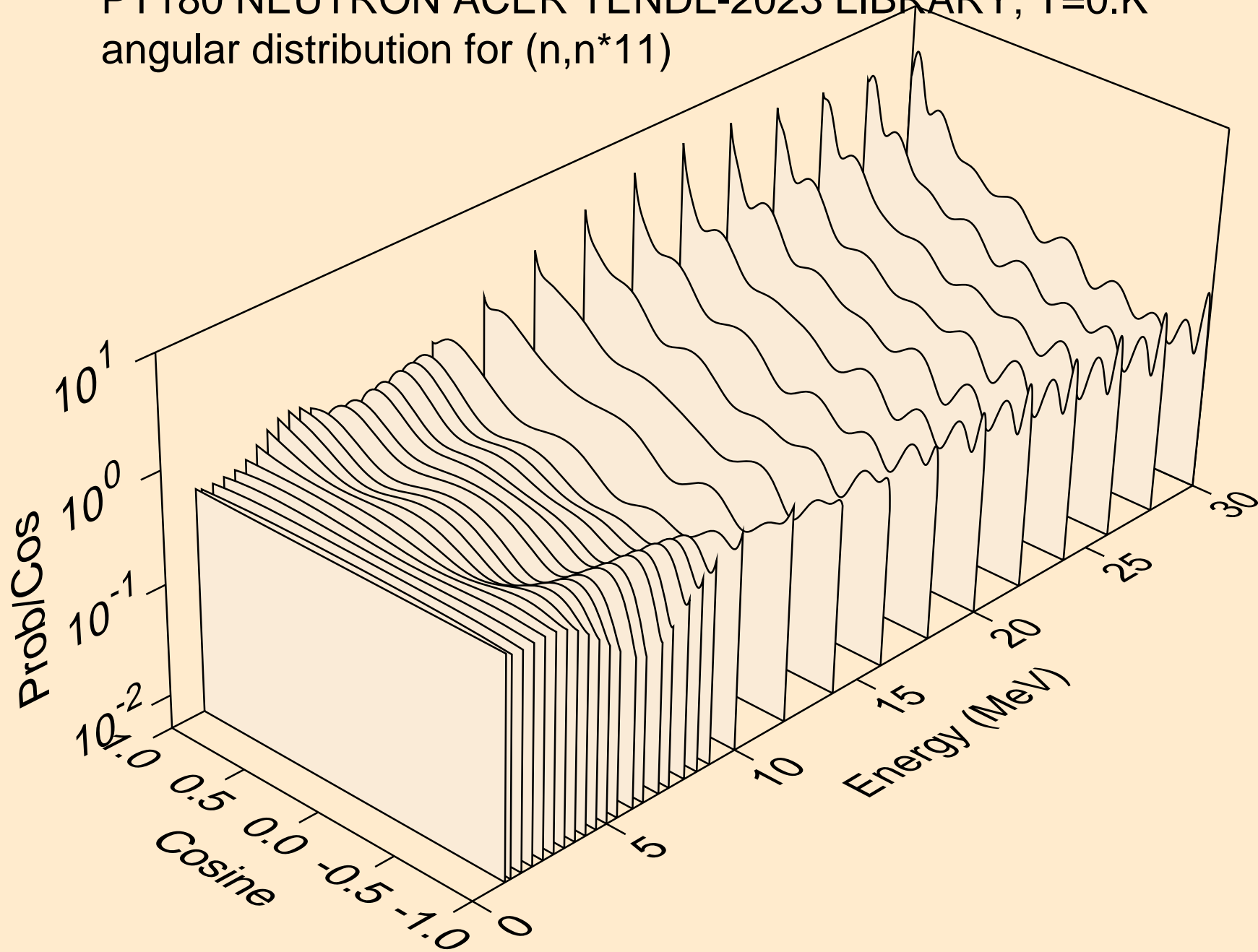




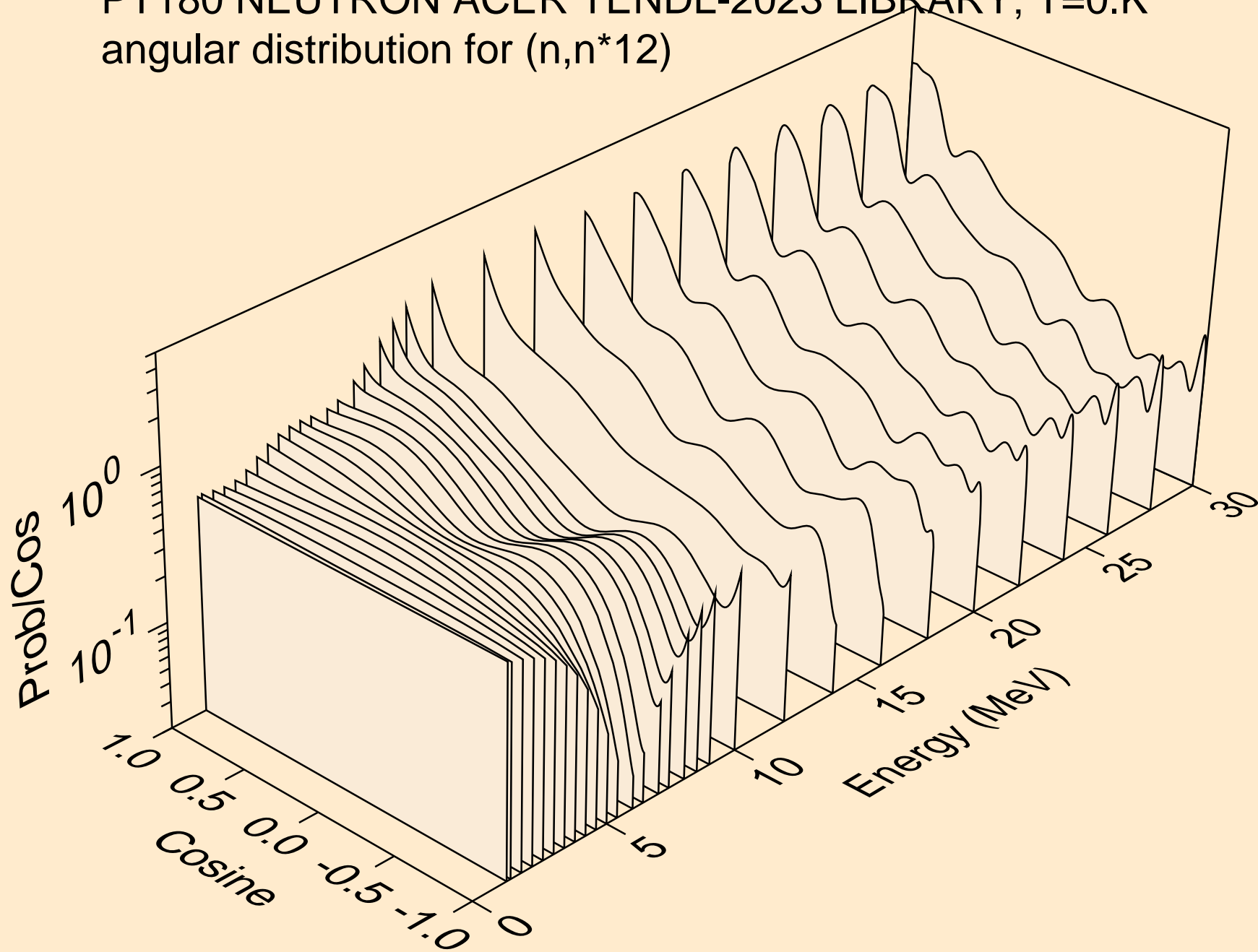
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angular distribution for (n,n\*10)



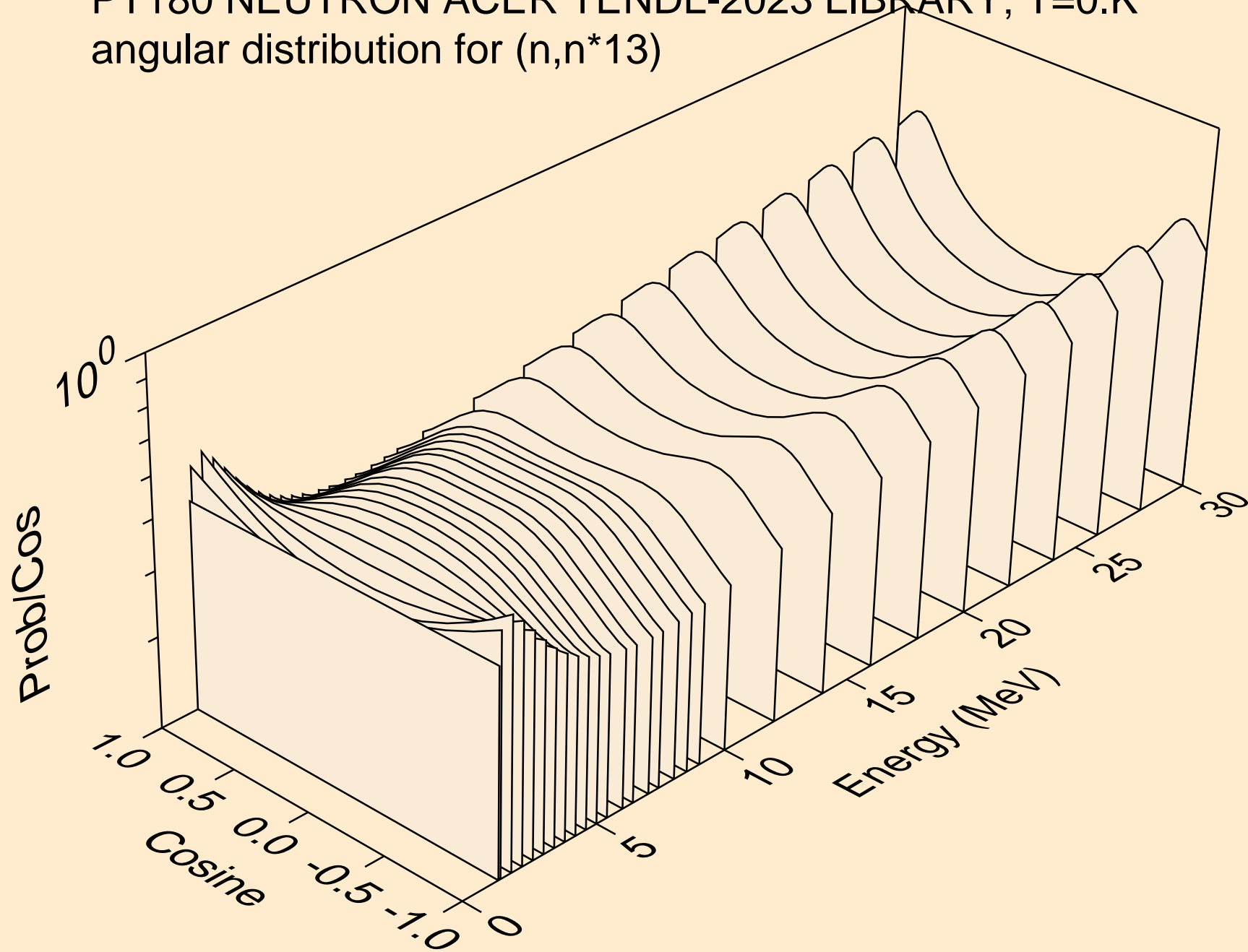
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angular distribution for (n,n\*11)



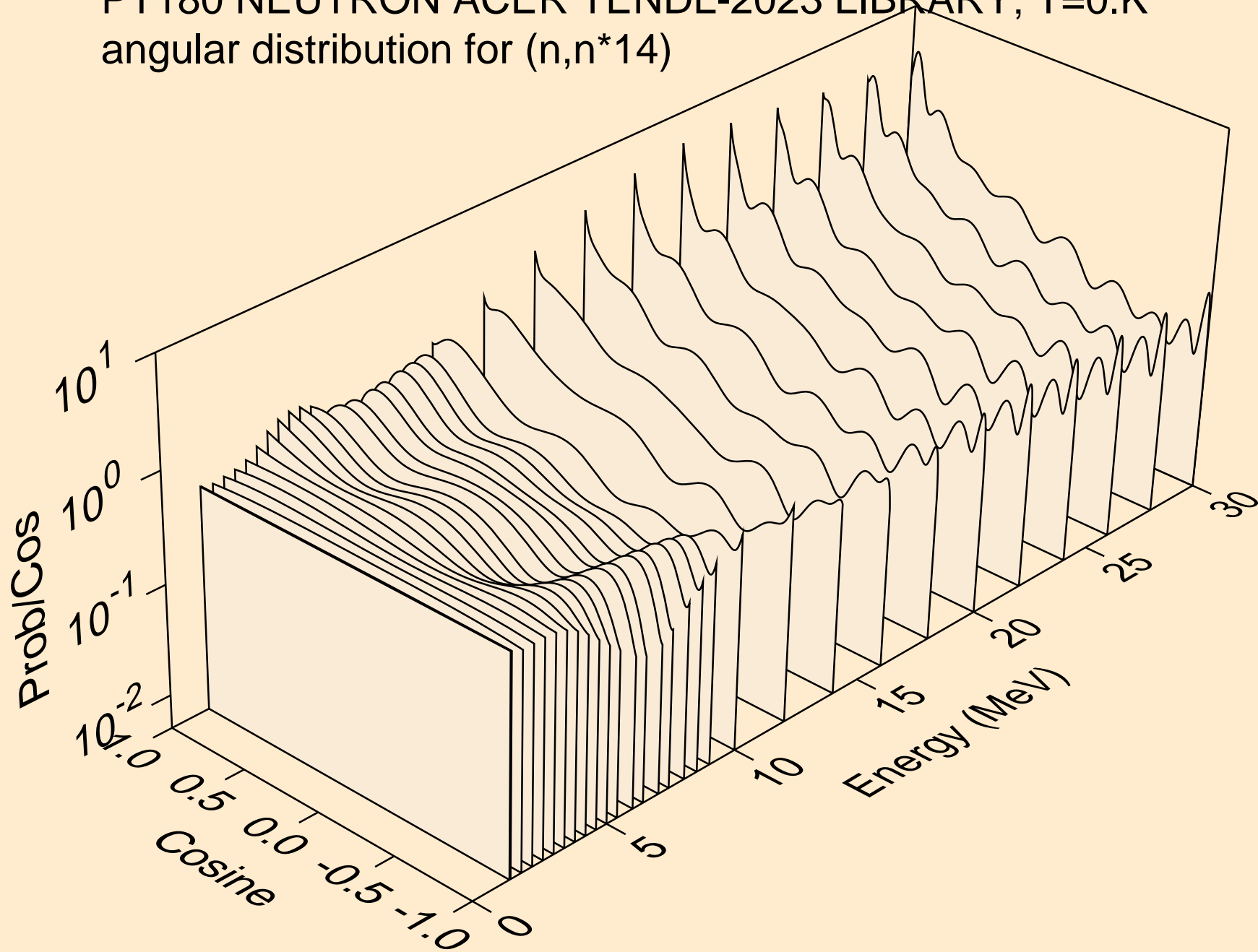
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angular distribution for (n,n\*12)



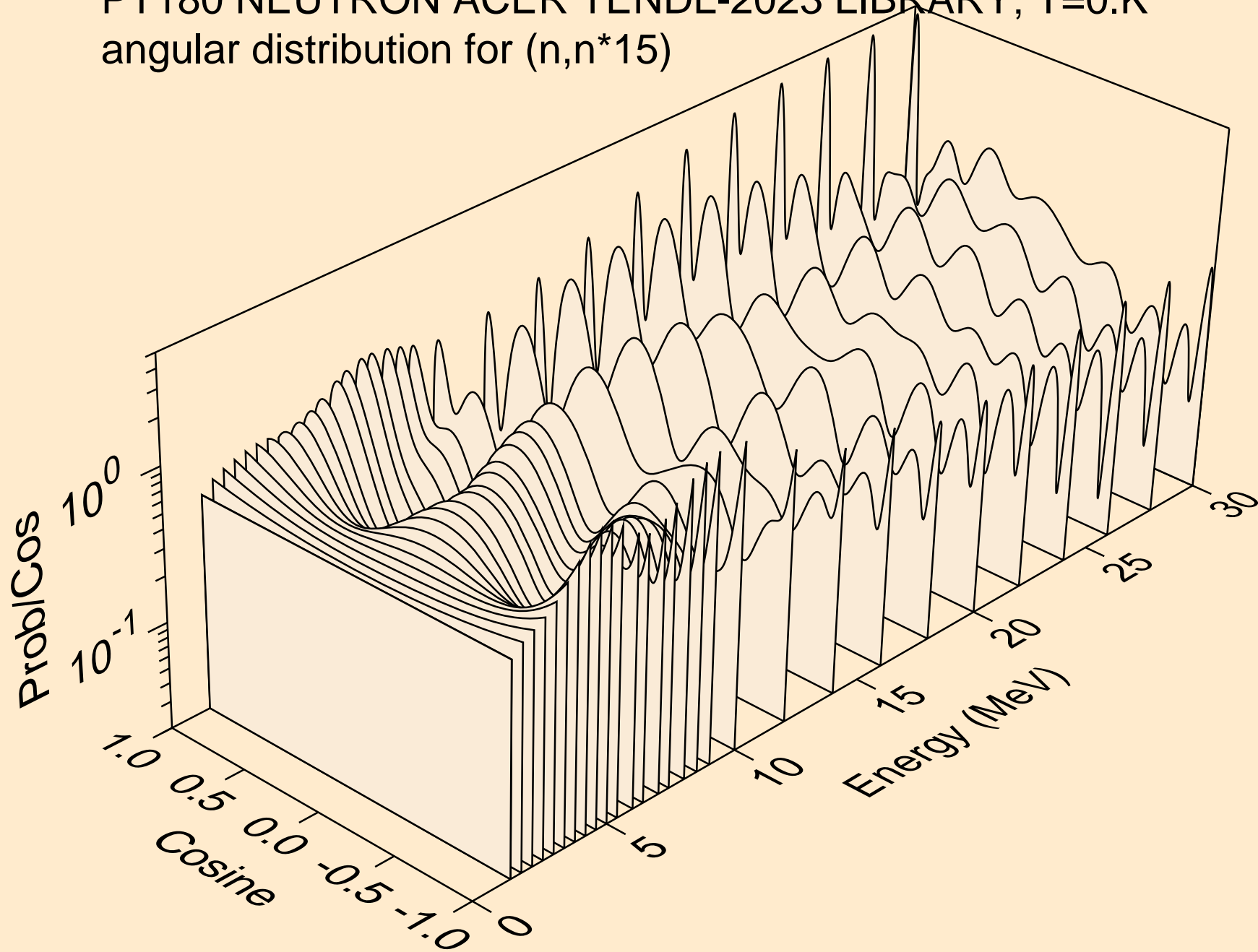
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angular distribution for (n,n\*13)



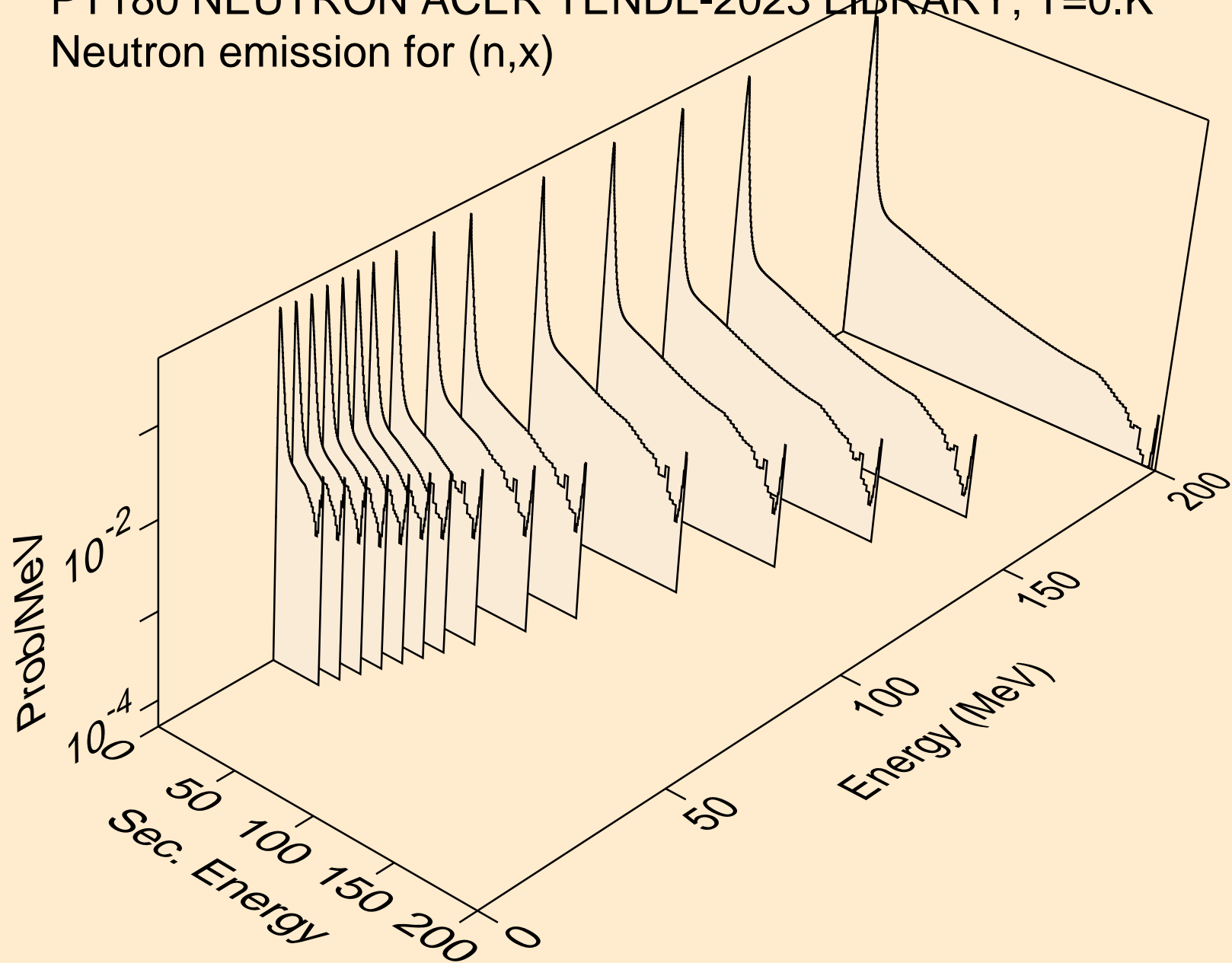
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angular distribution for (n,n\*14)



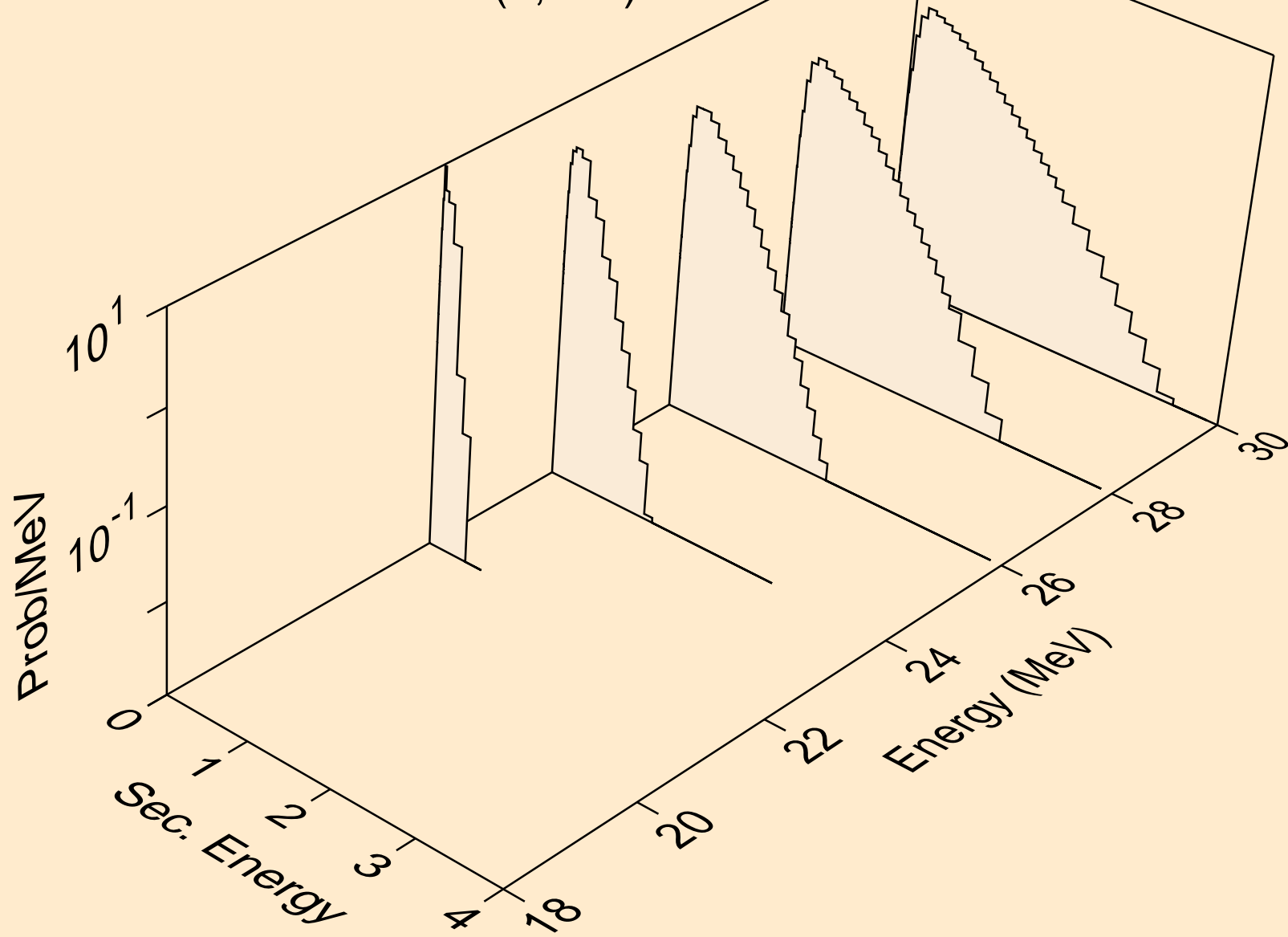
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

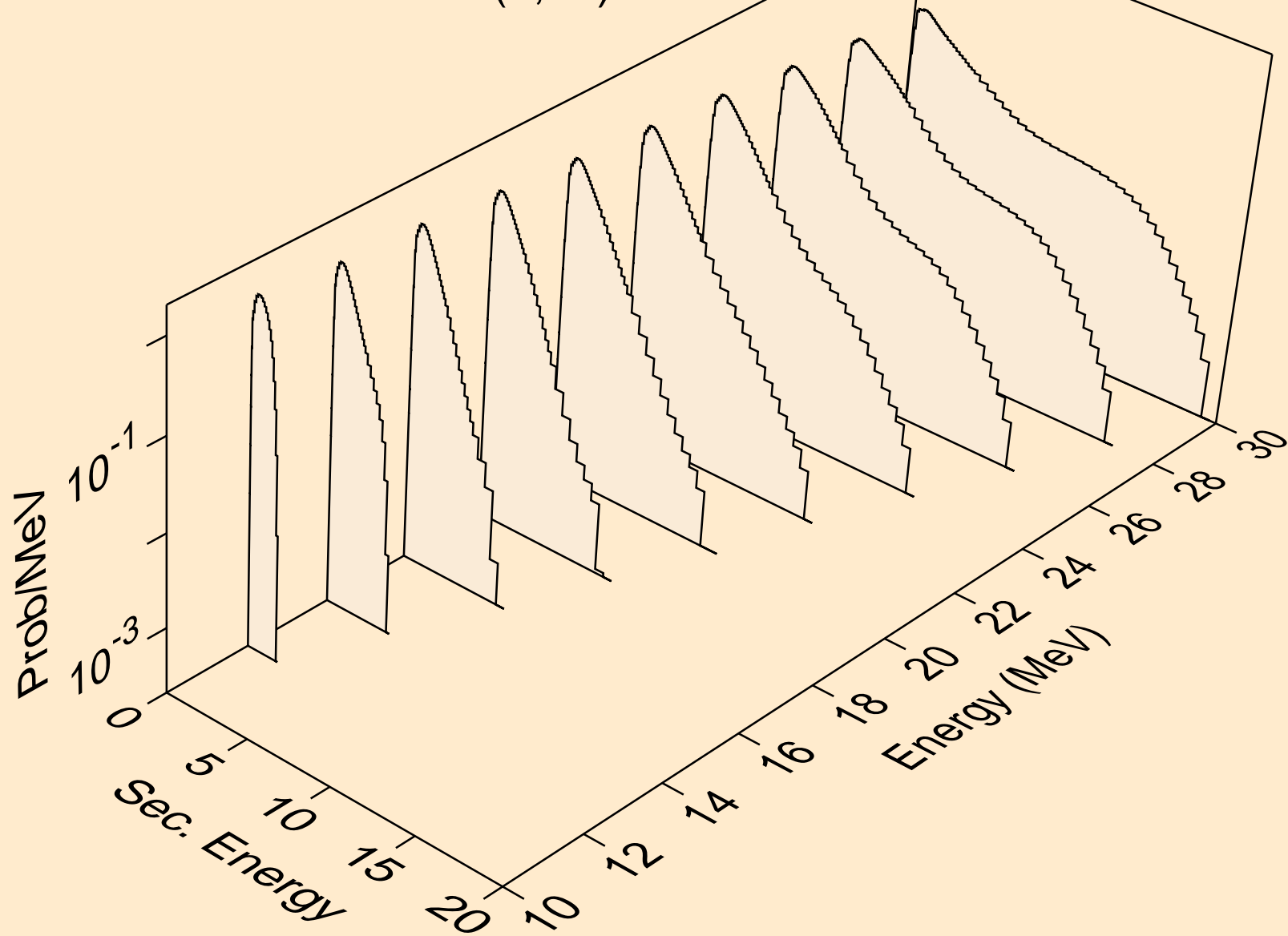


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

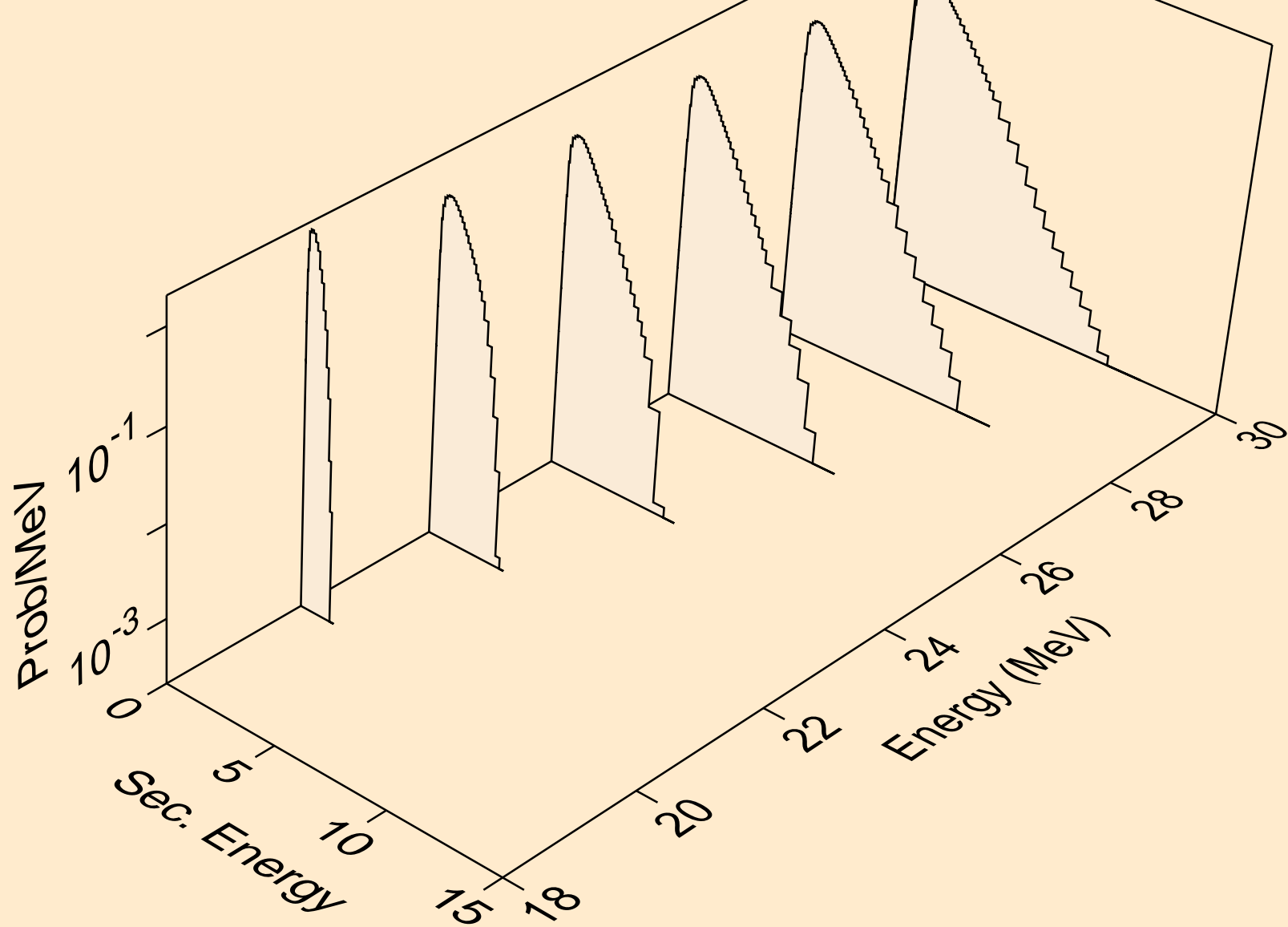




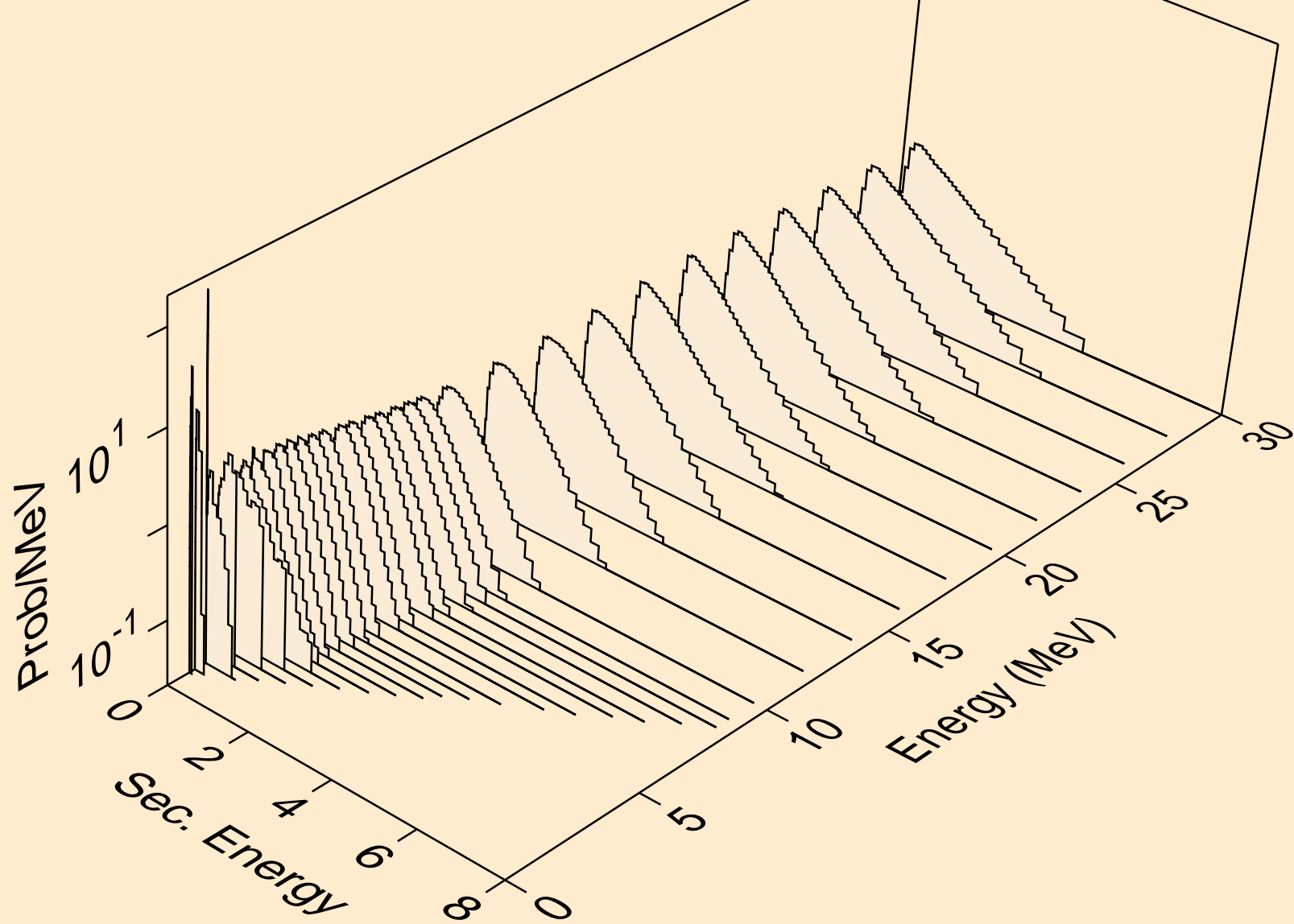
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



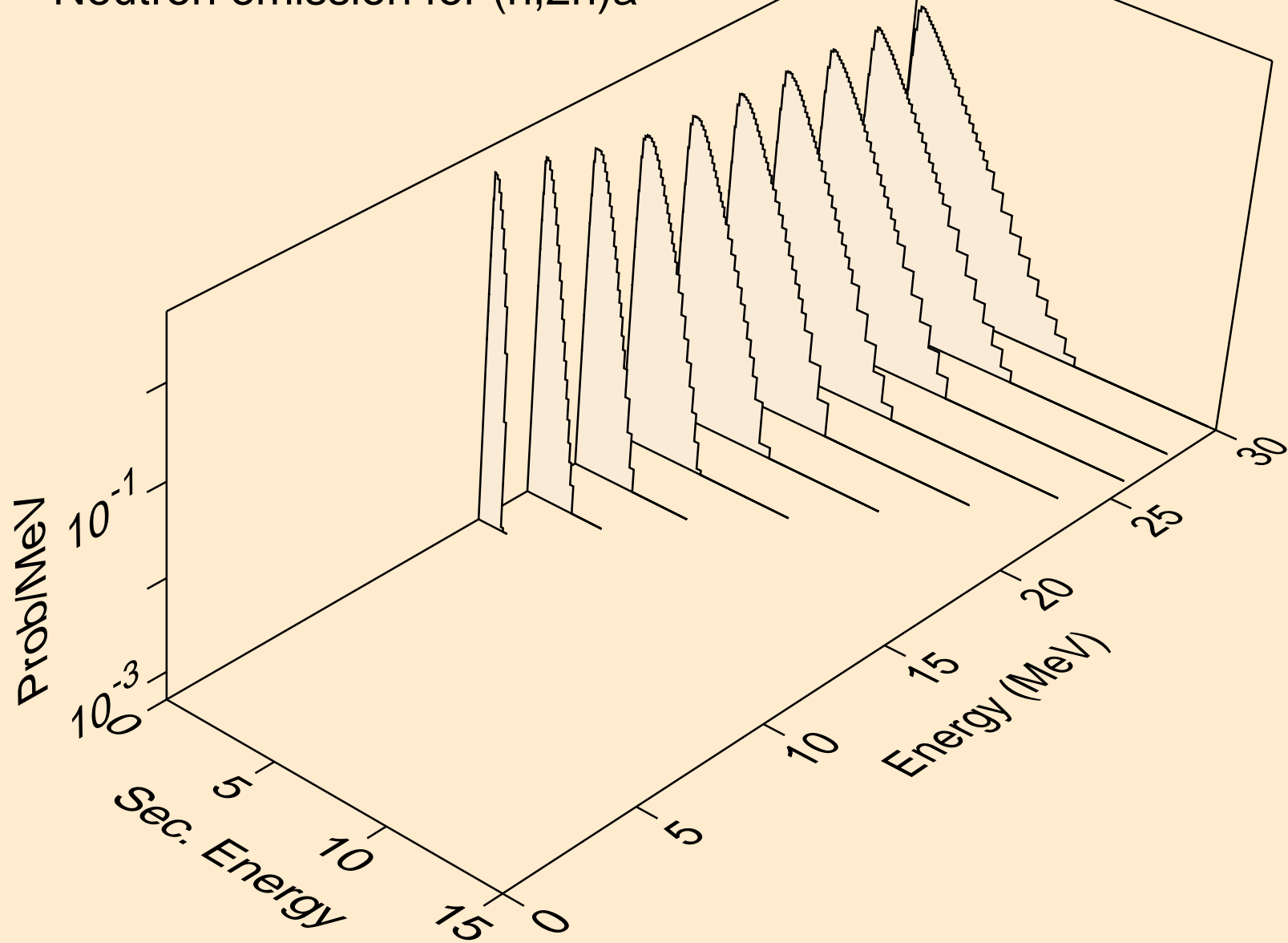
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Neutron emission for (n,3n)



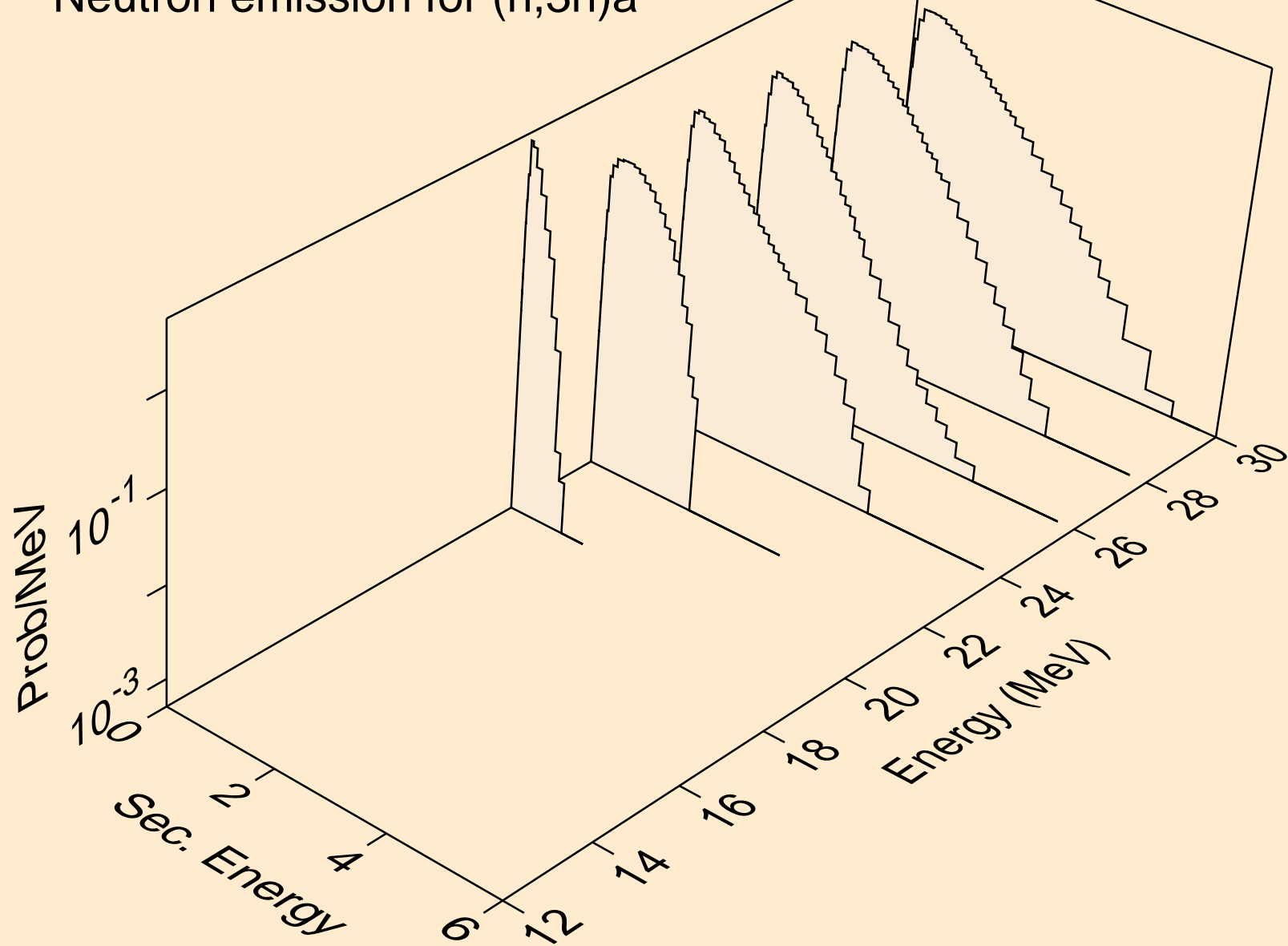
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



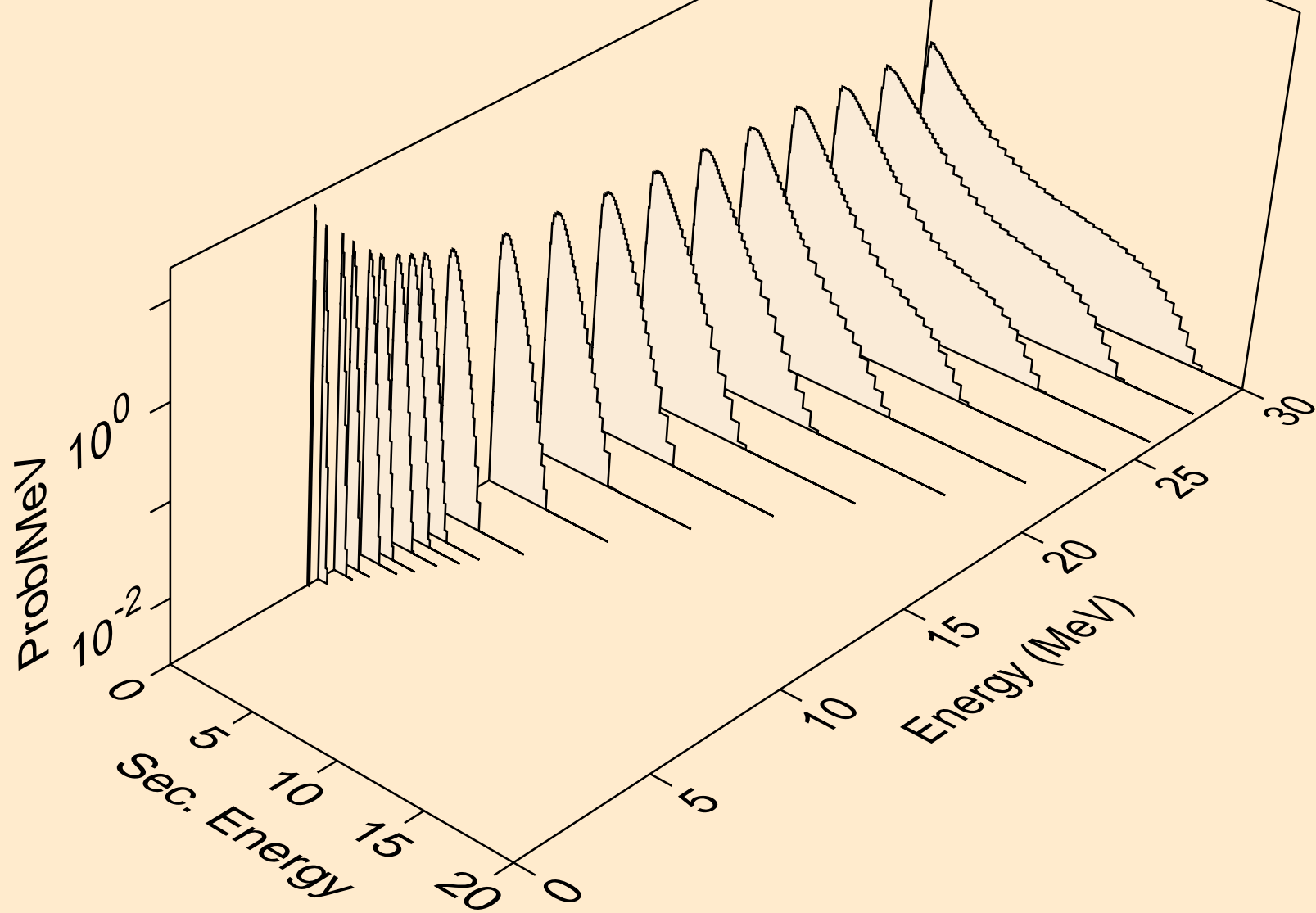
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Neutron emission for (n,2n)<sub>a</sub>



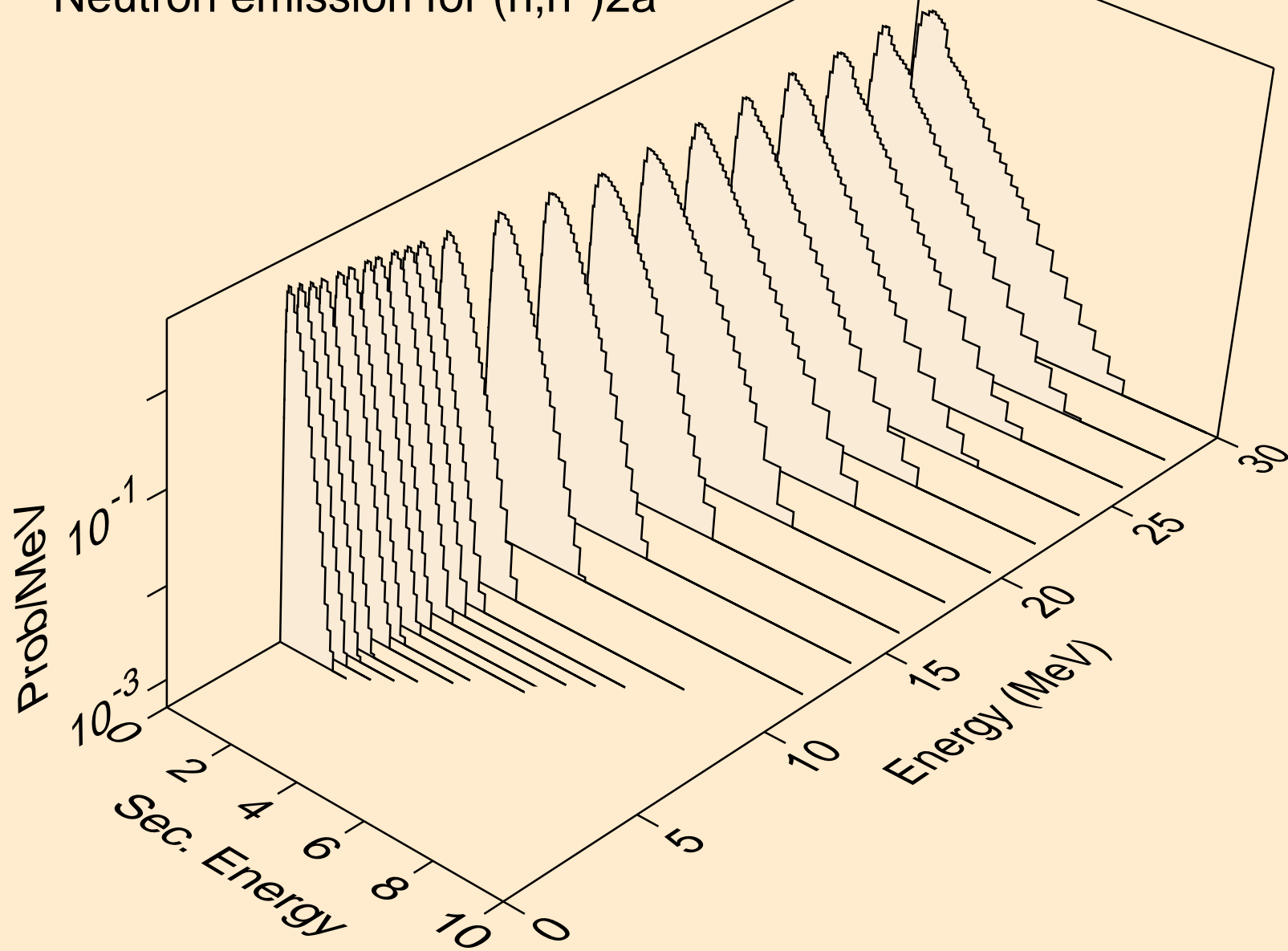
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Neutron emission for (n,3n)a



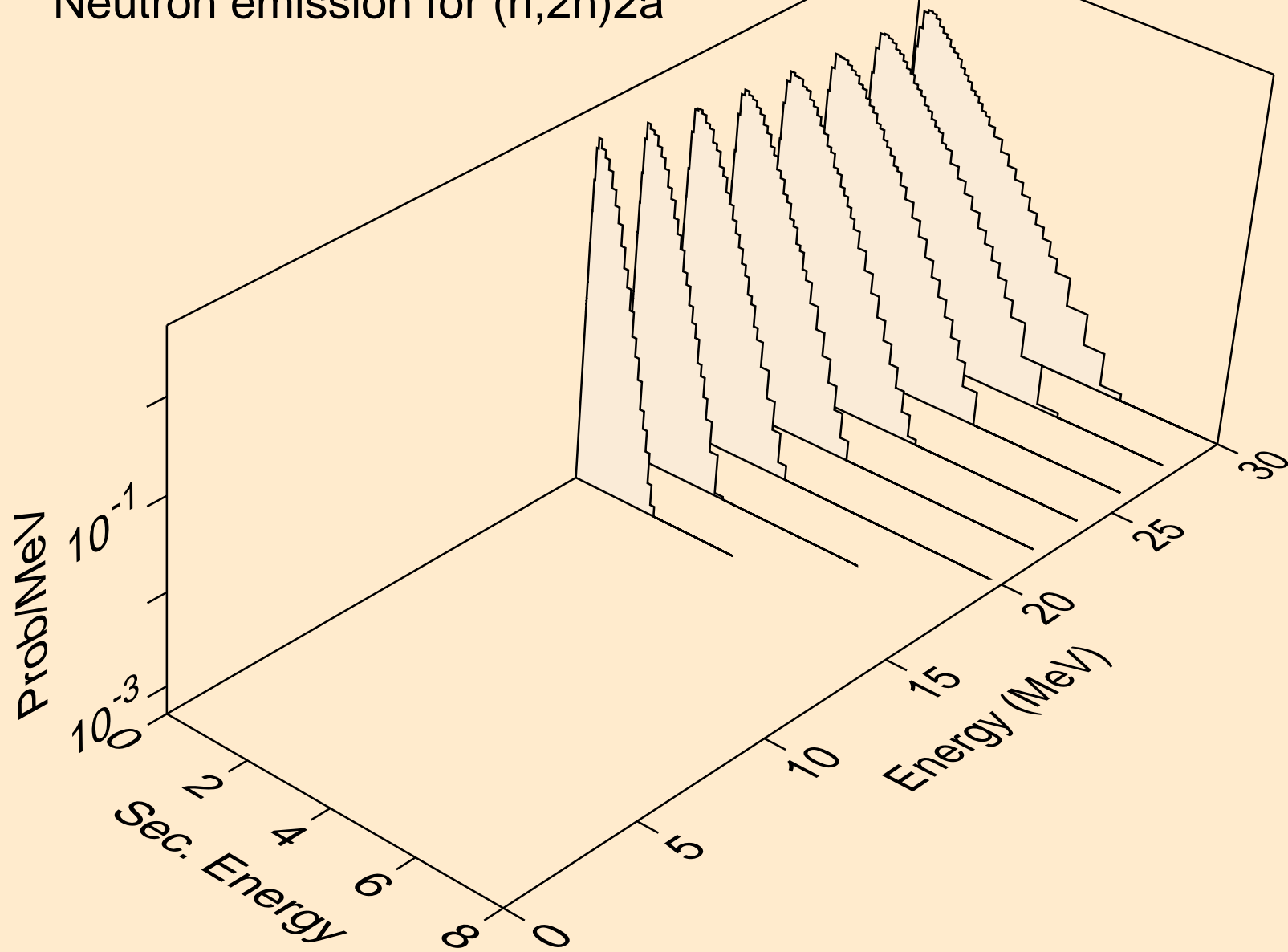
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

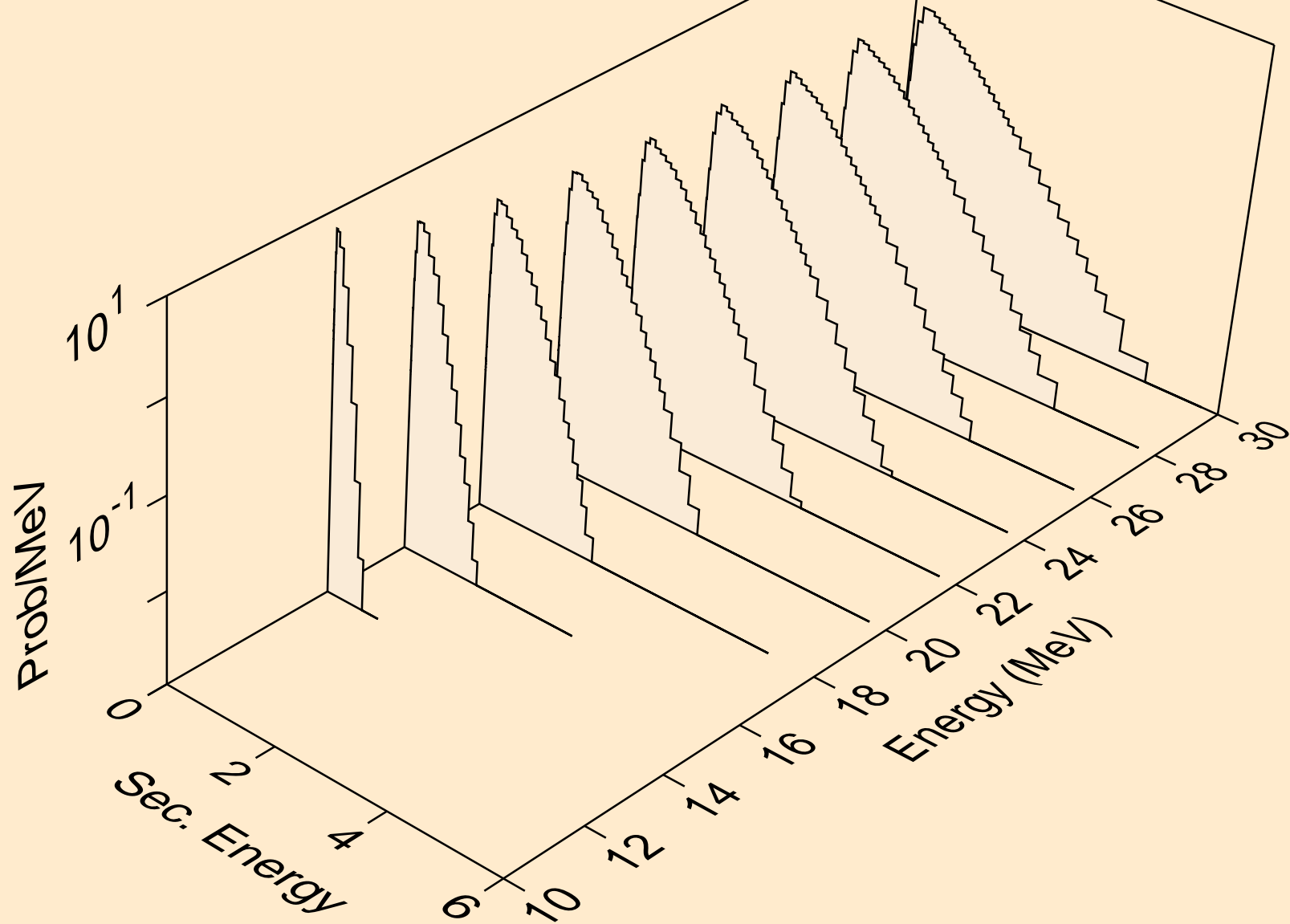


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

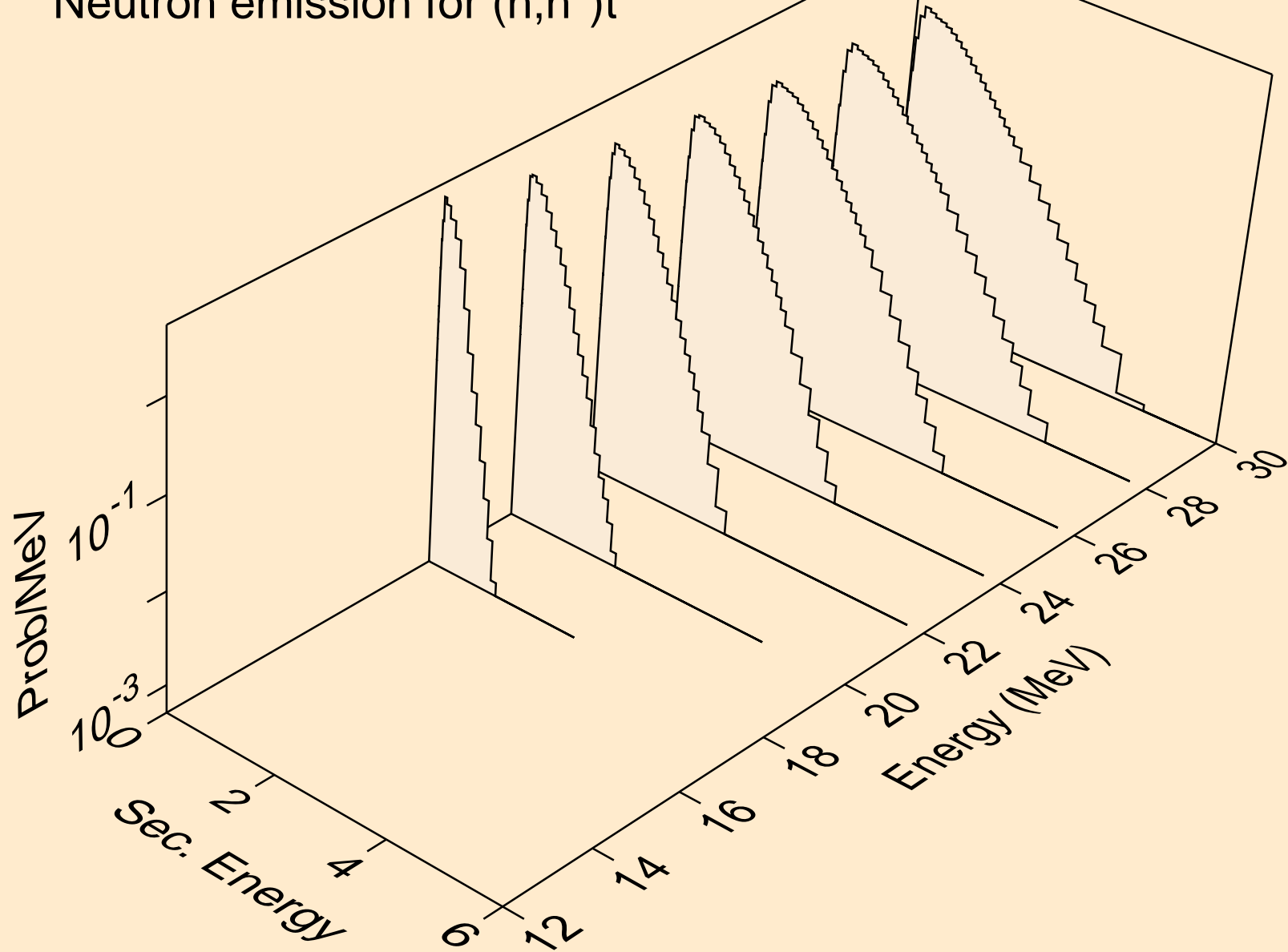




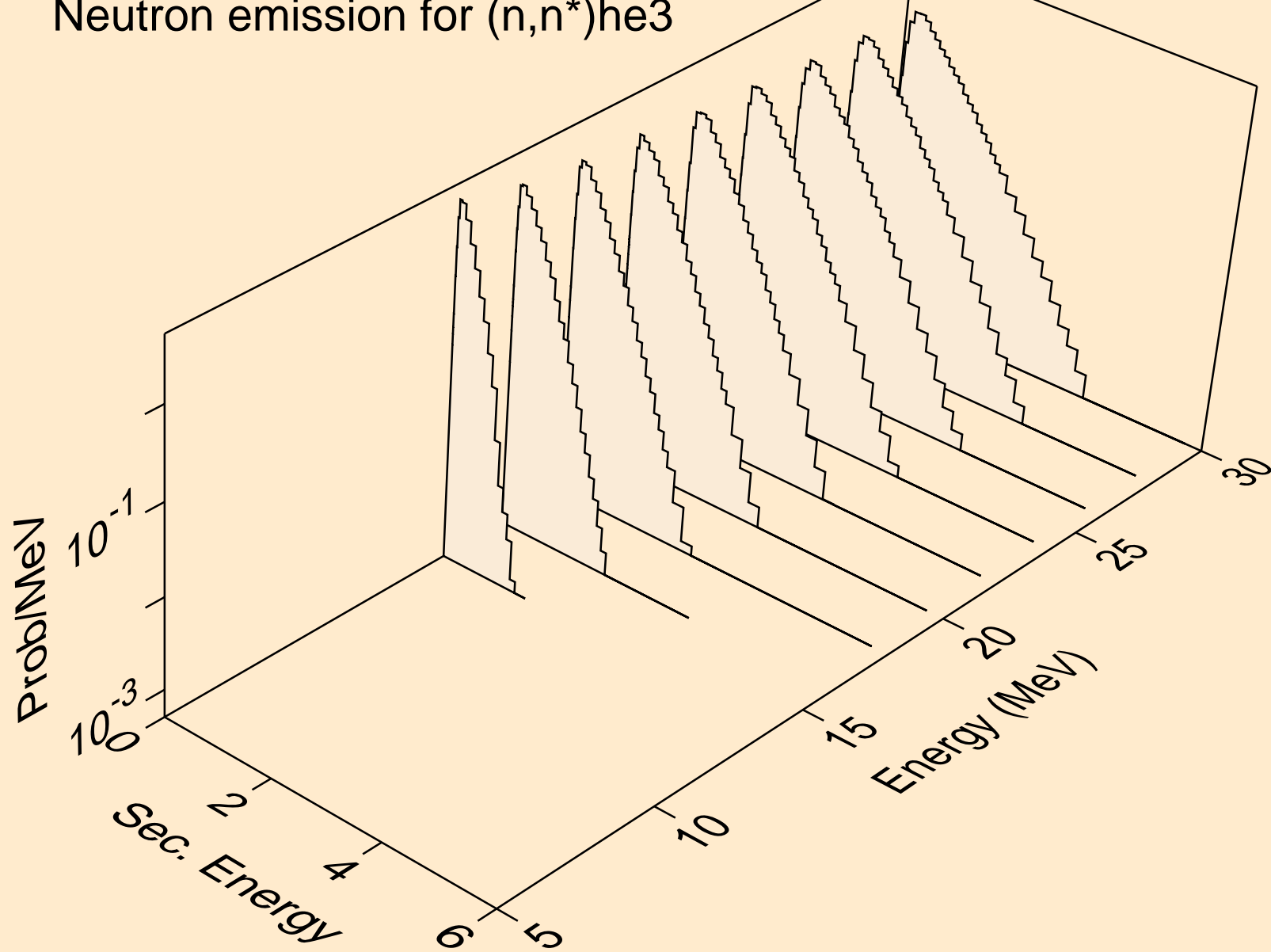
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Neutron emission for (n,n\*)d



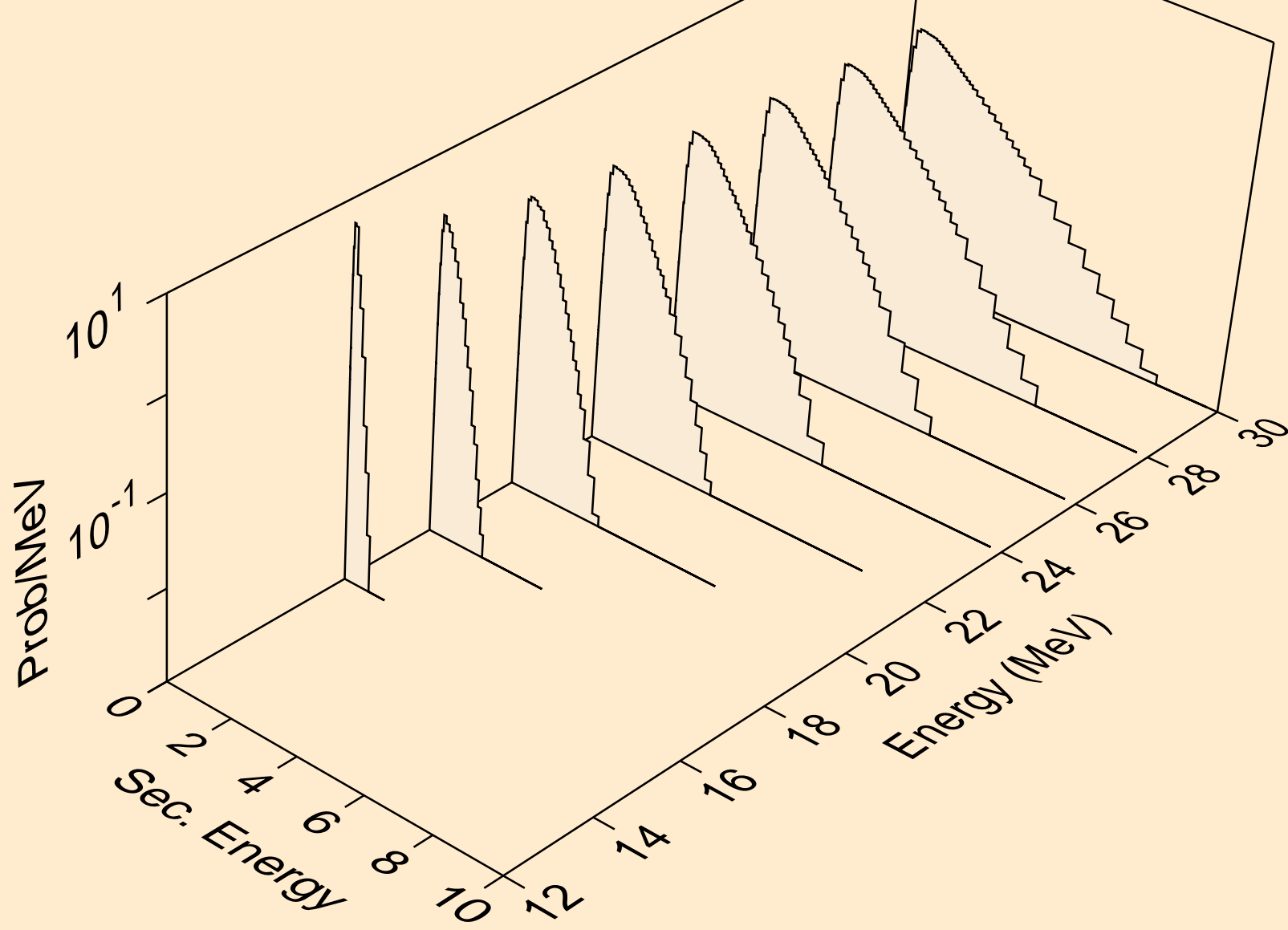
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Neutron emission for (n,n\*)t



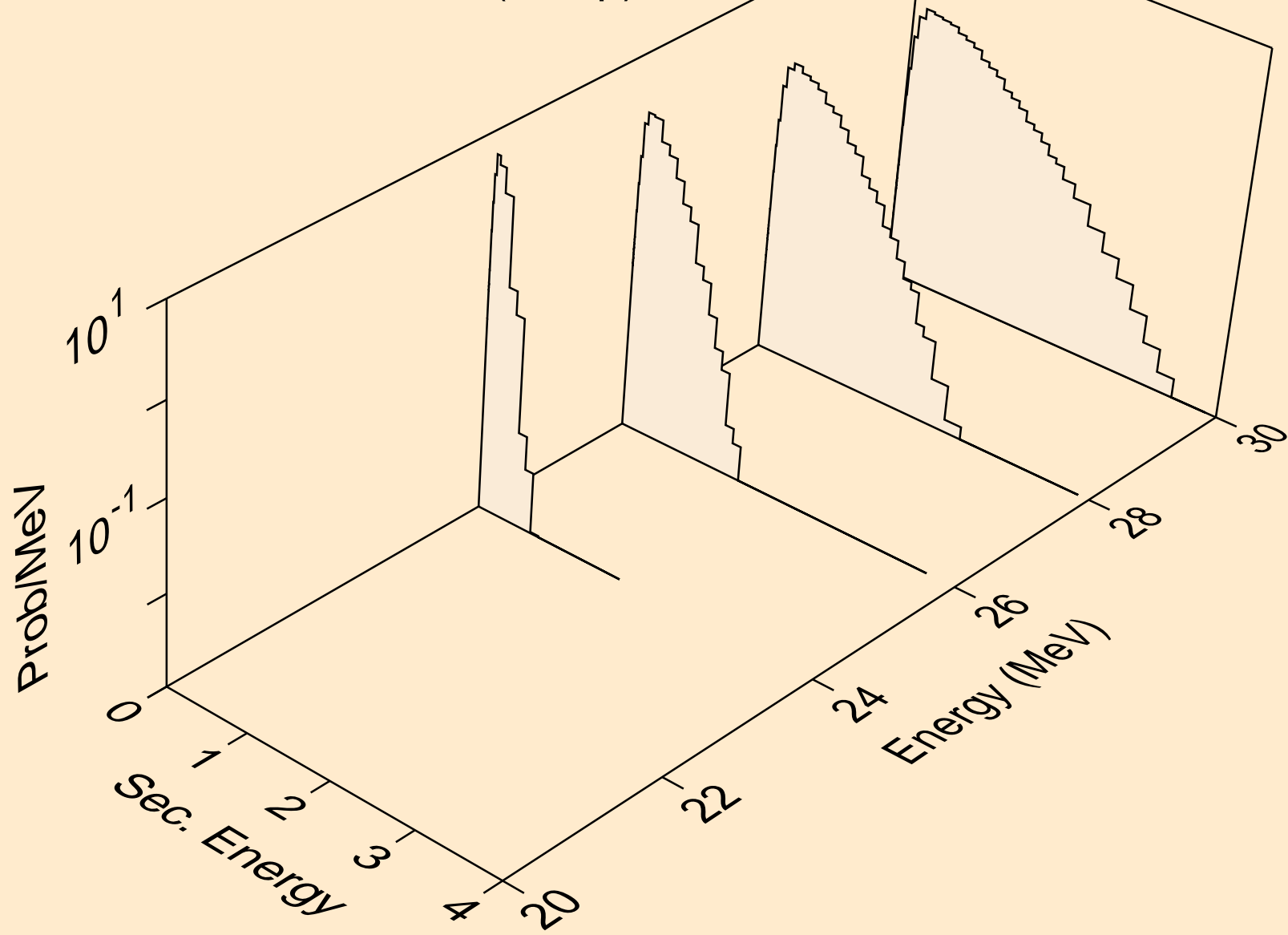
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



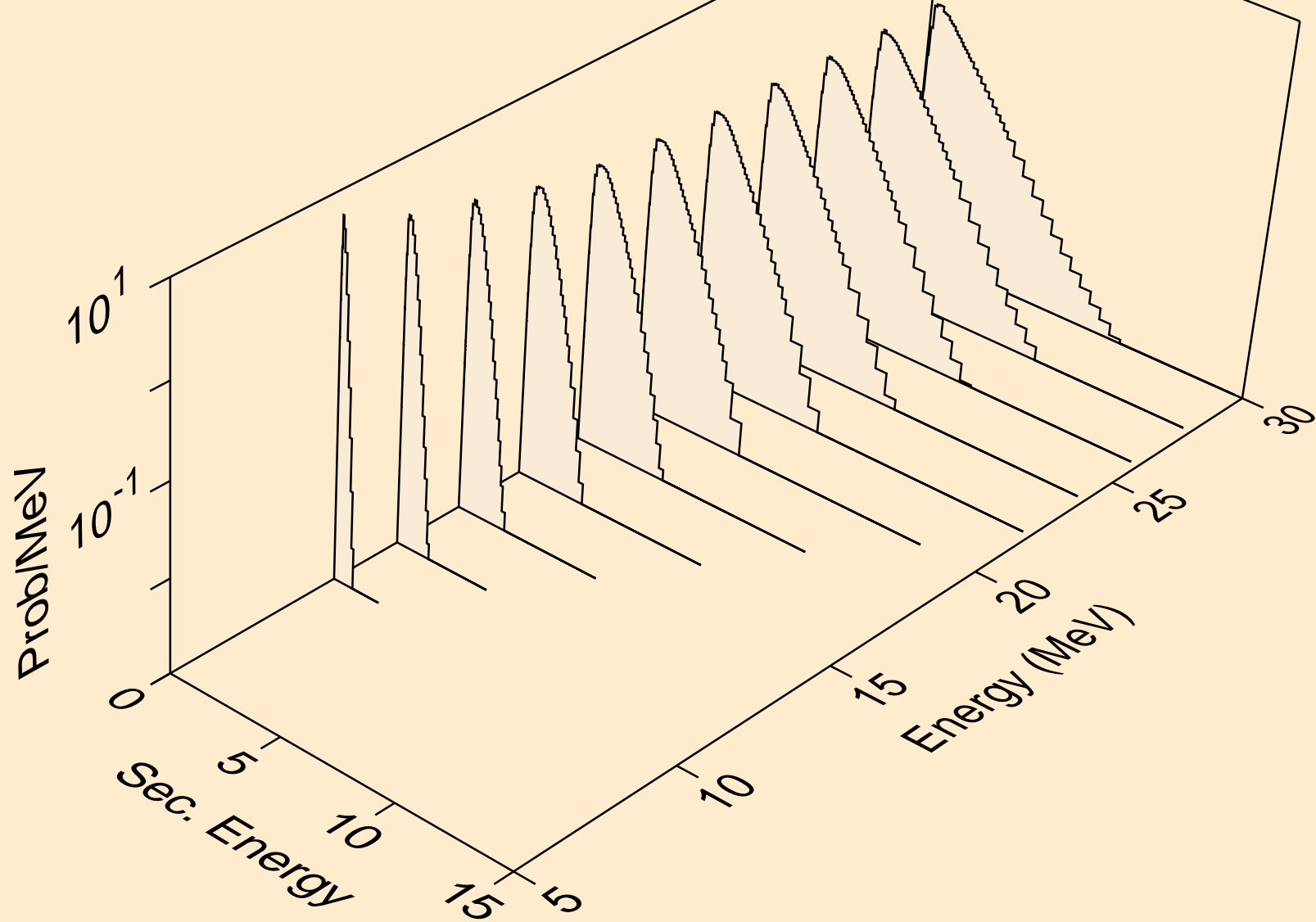
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Neutron emission for (n,2np)



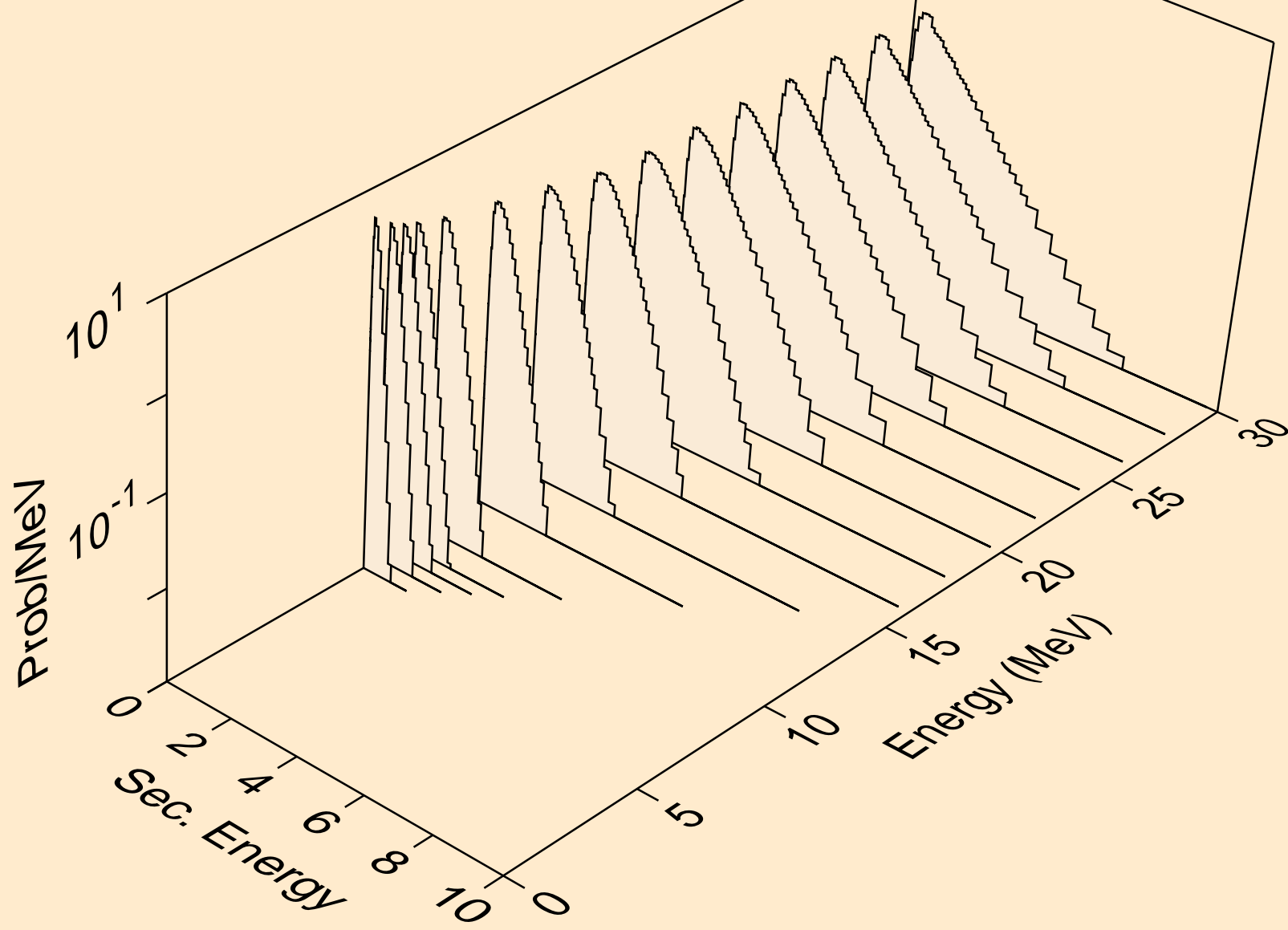
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Neutron emission for (n,3np)



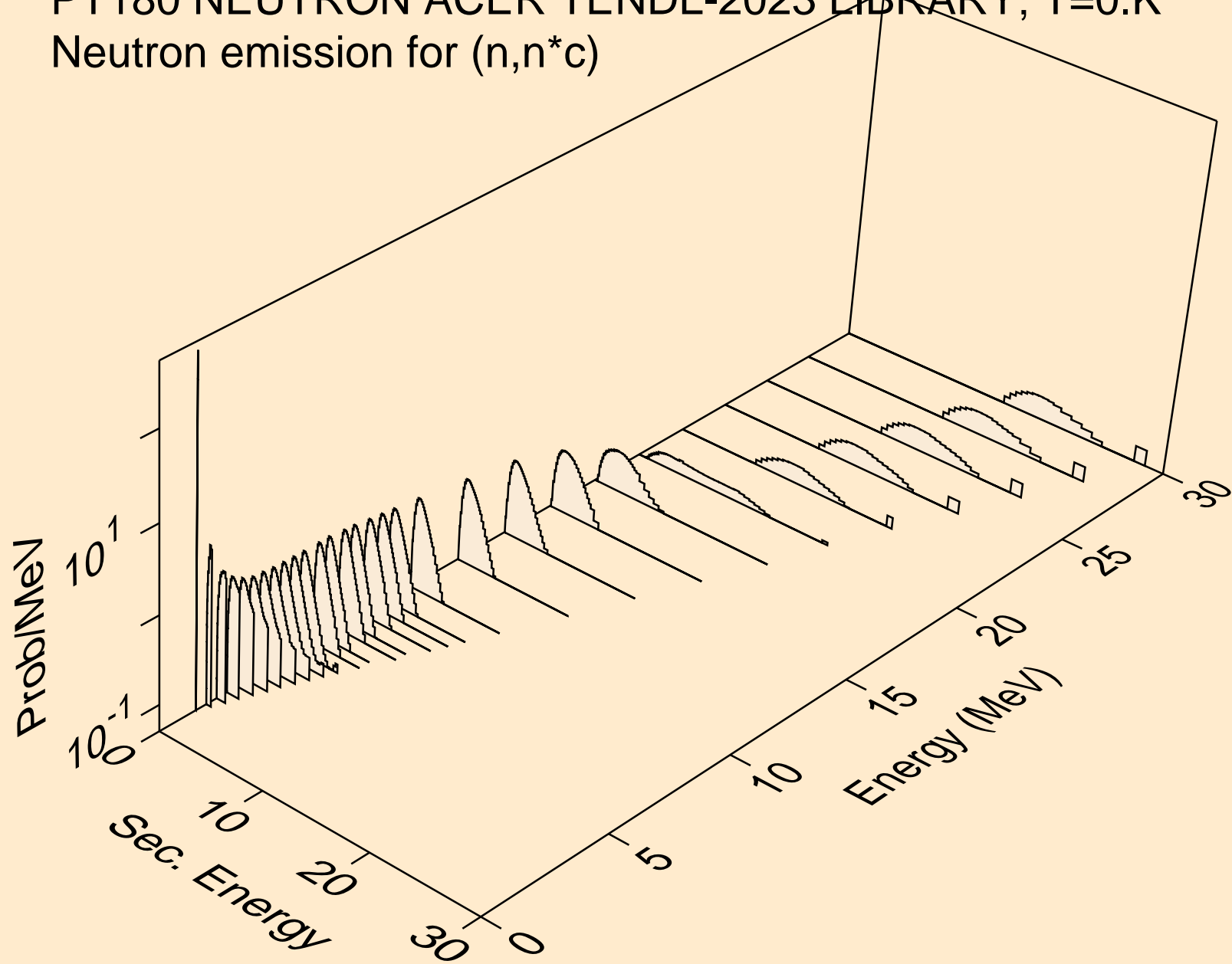
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

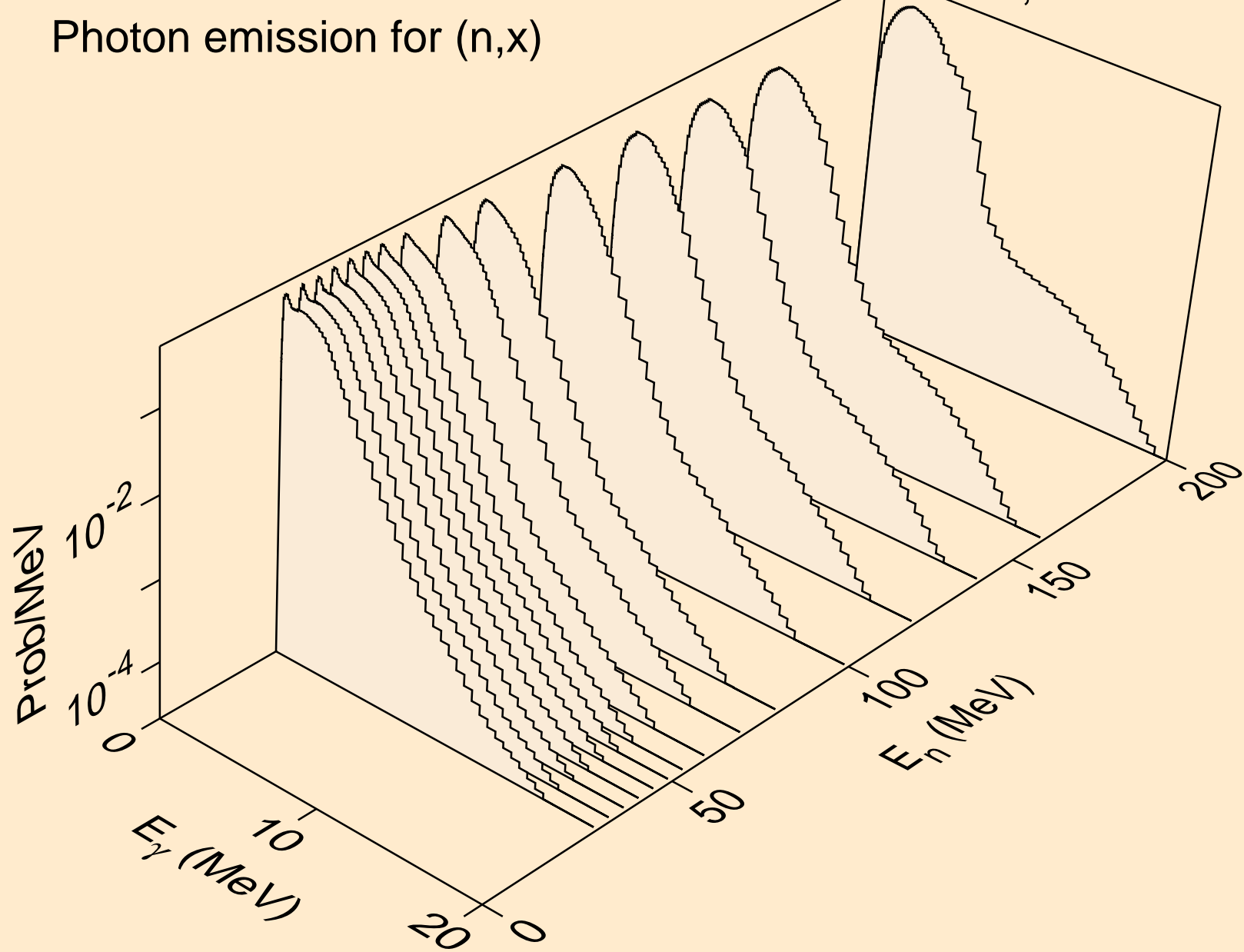


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

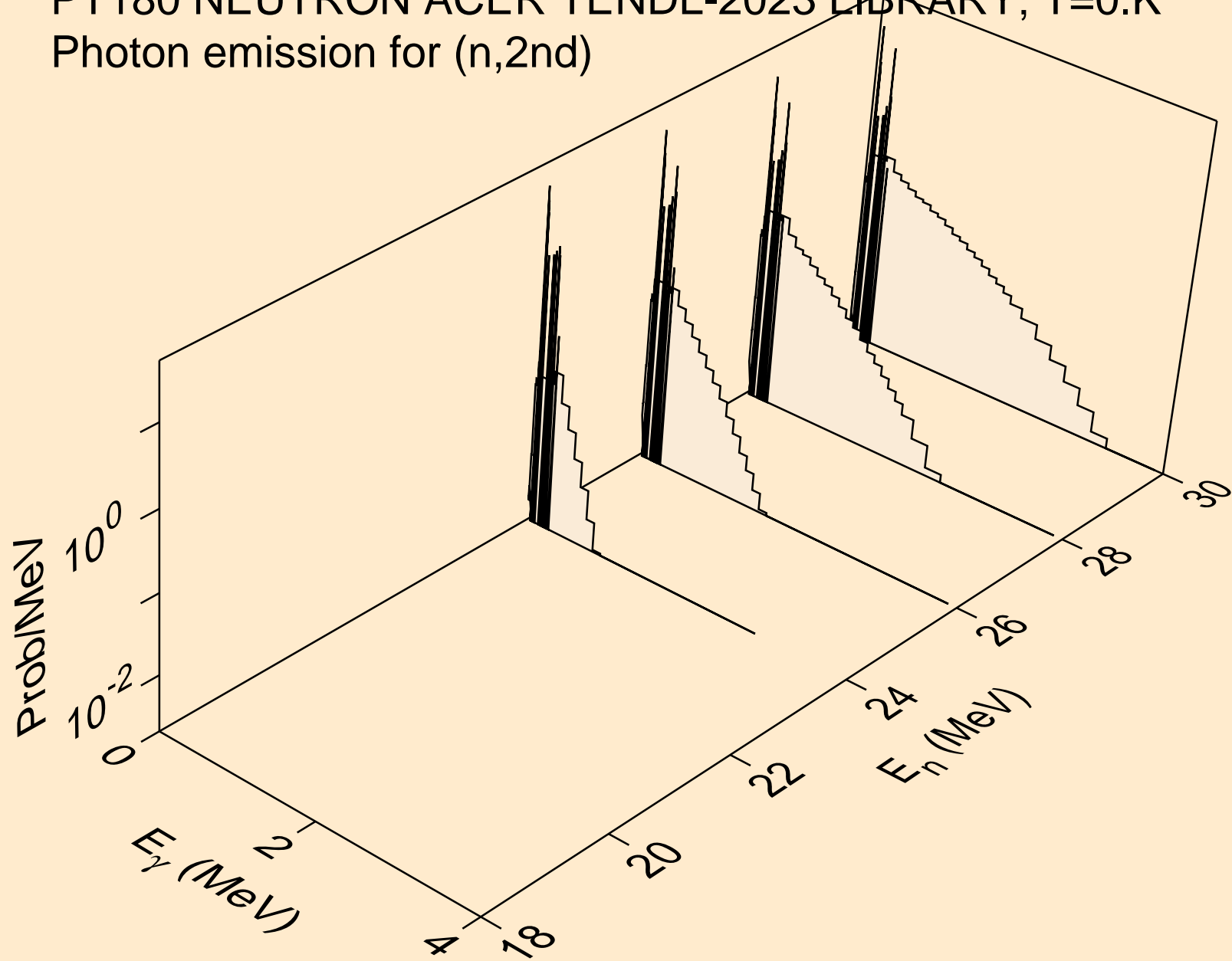




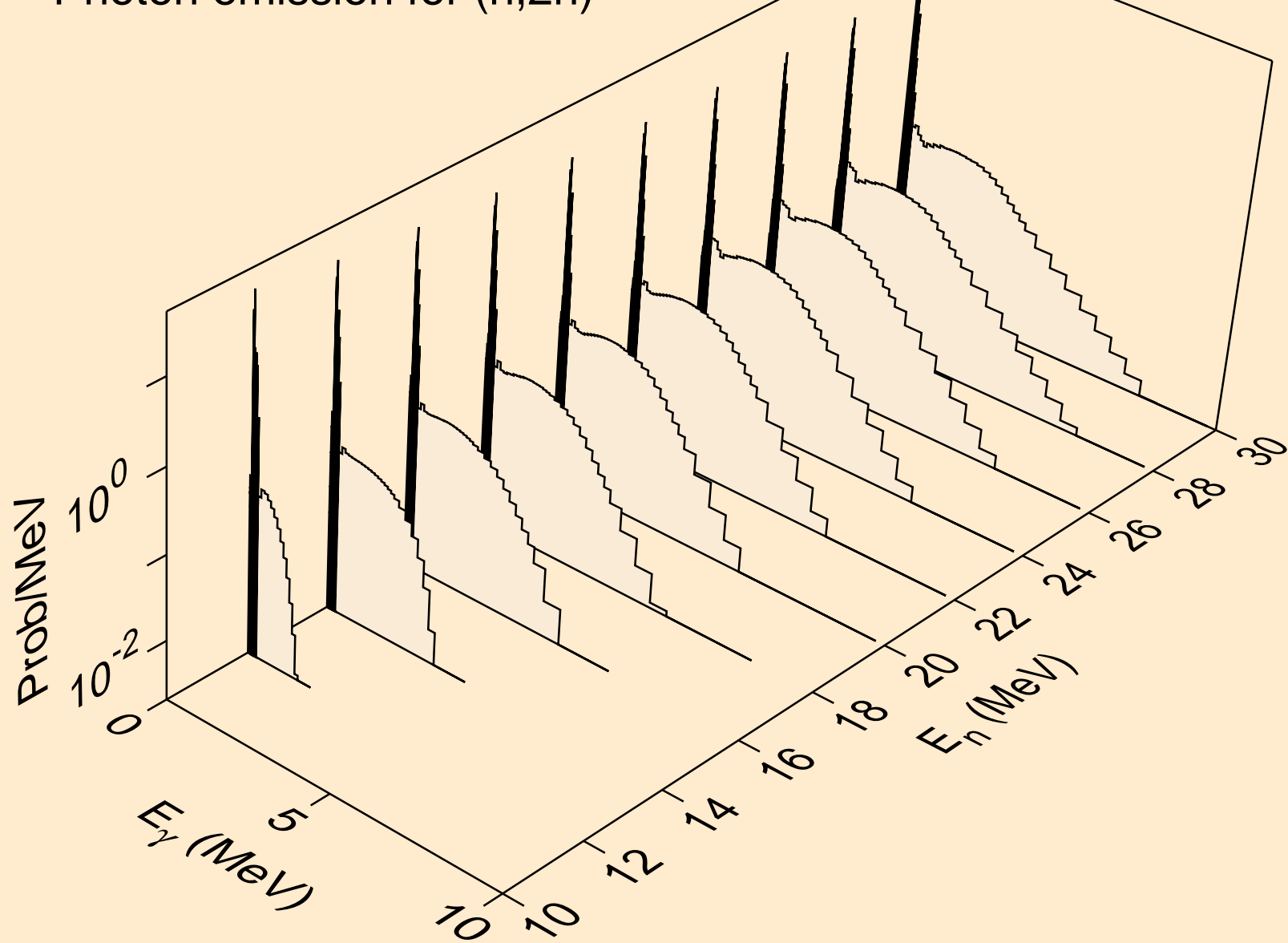
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Photon emission for (n,x)



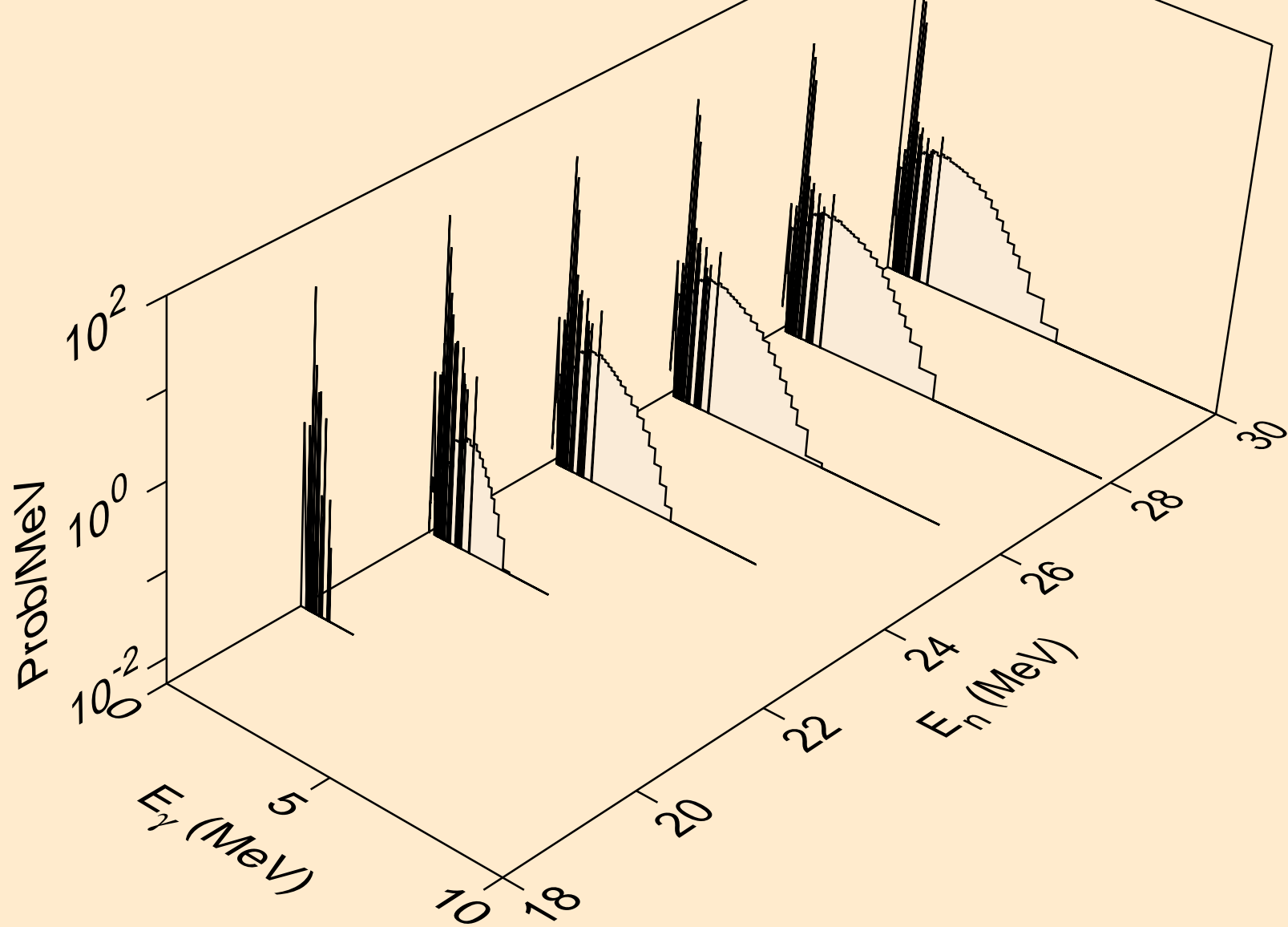
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



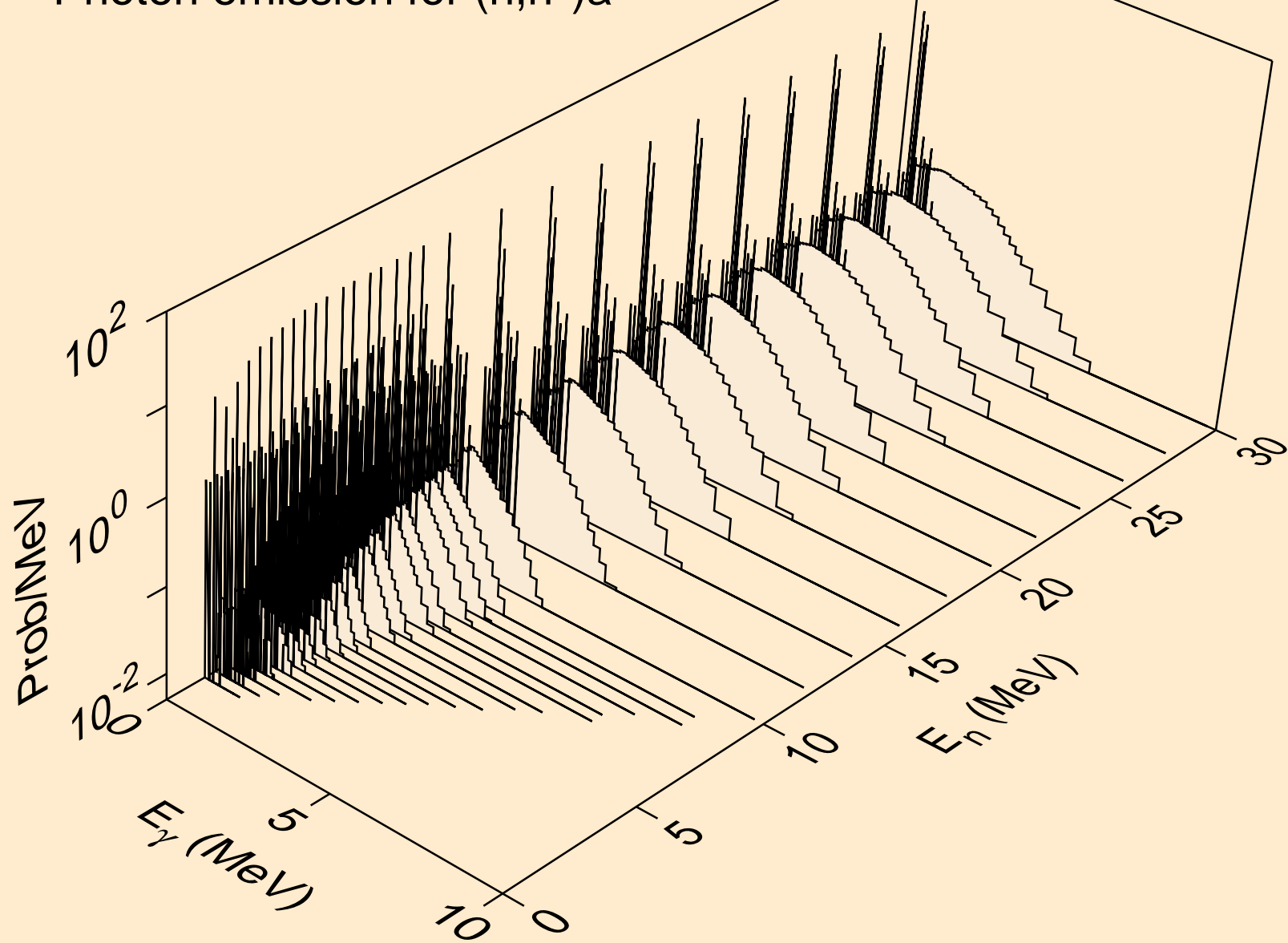
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



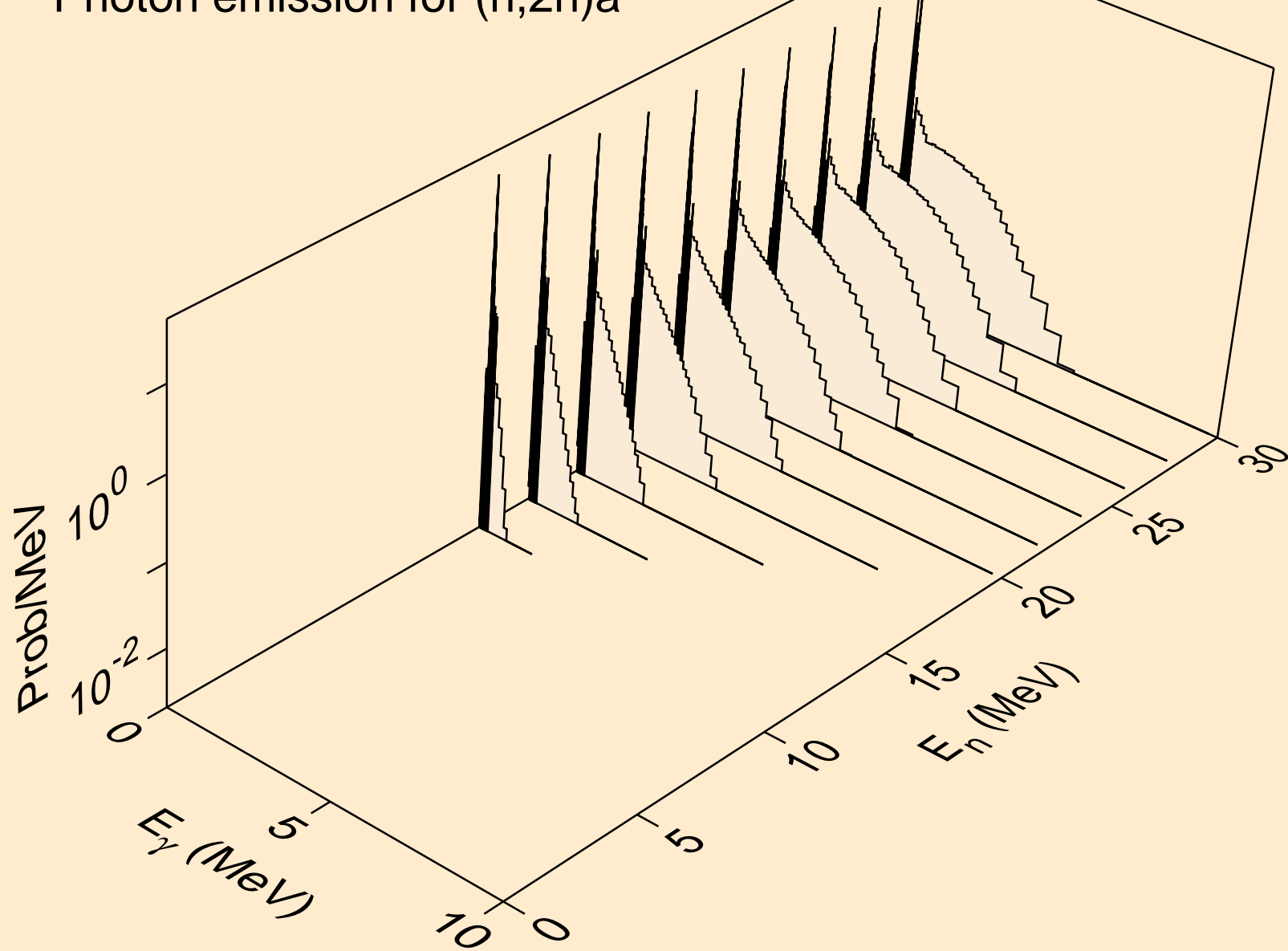
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



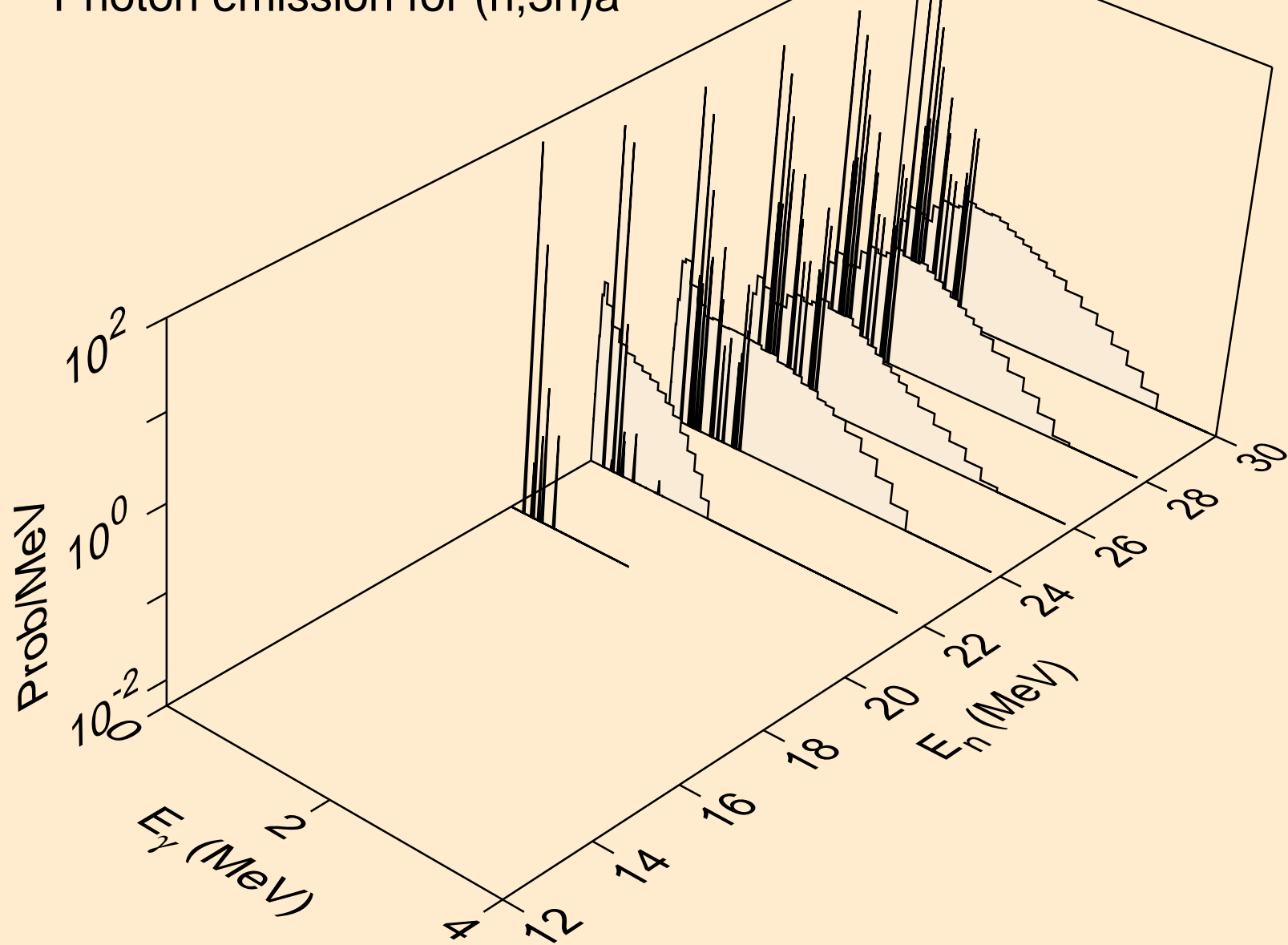
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



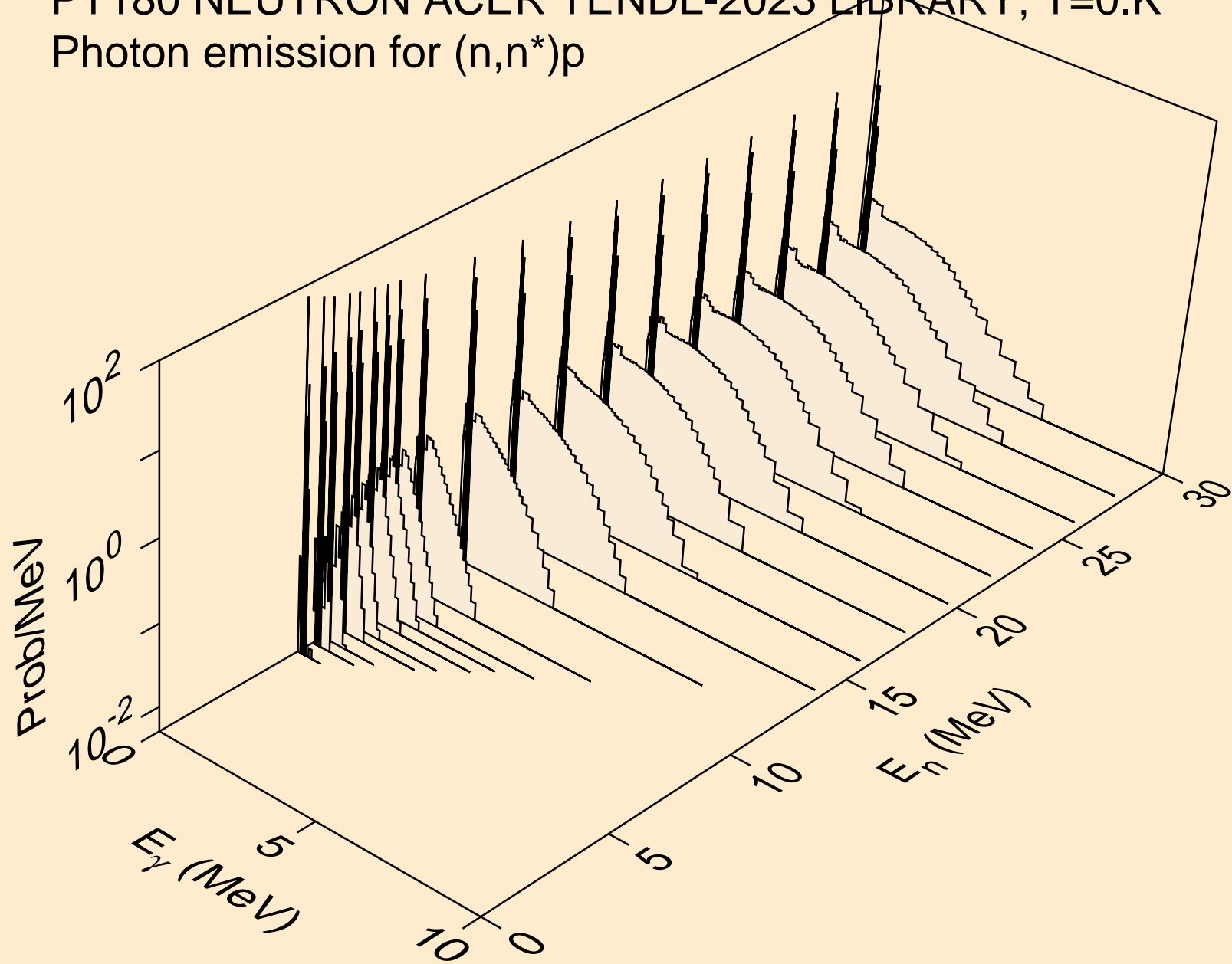
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

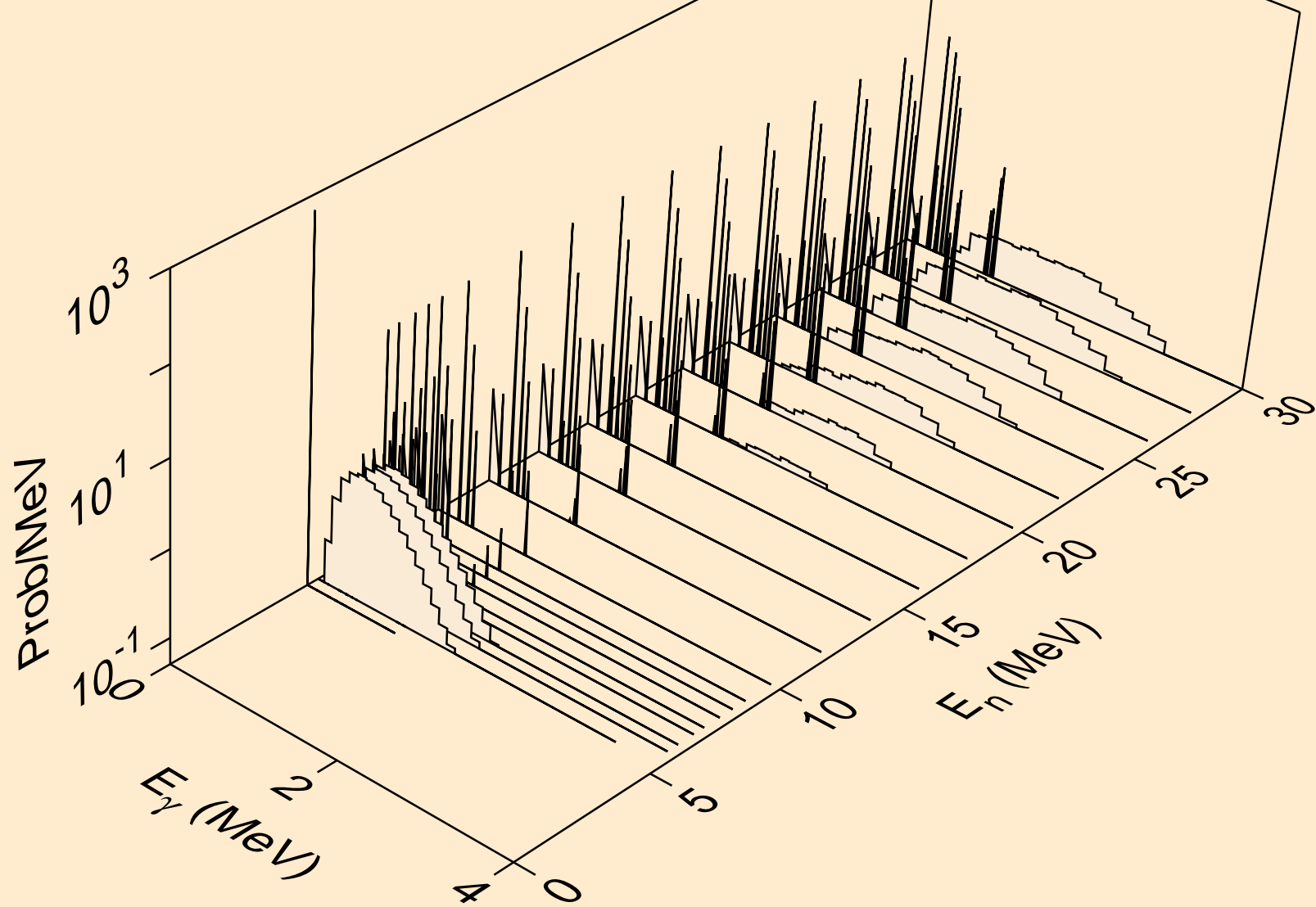


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

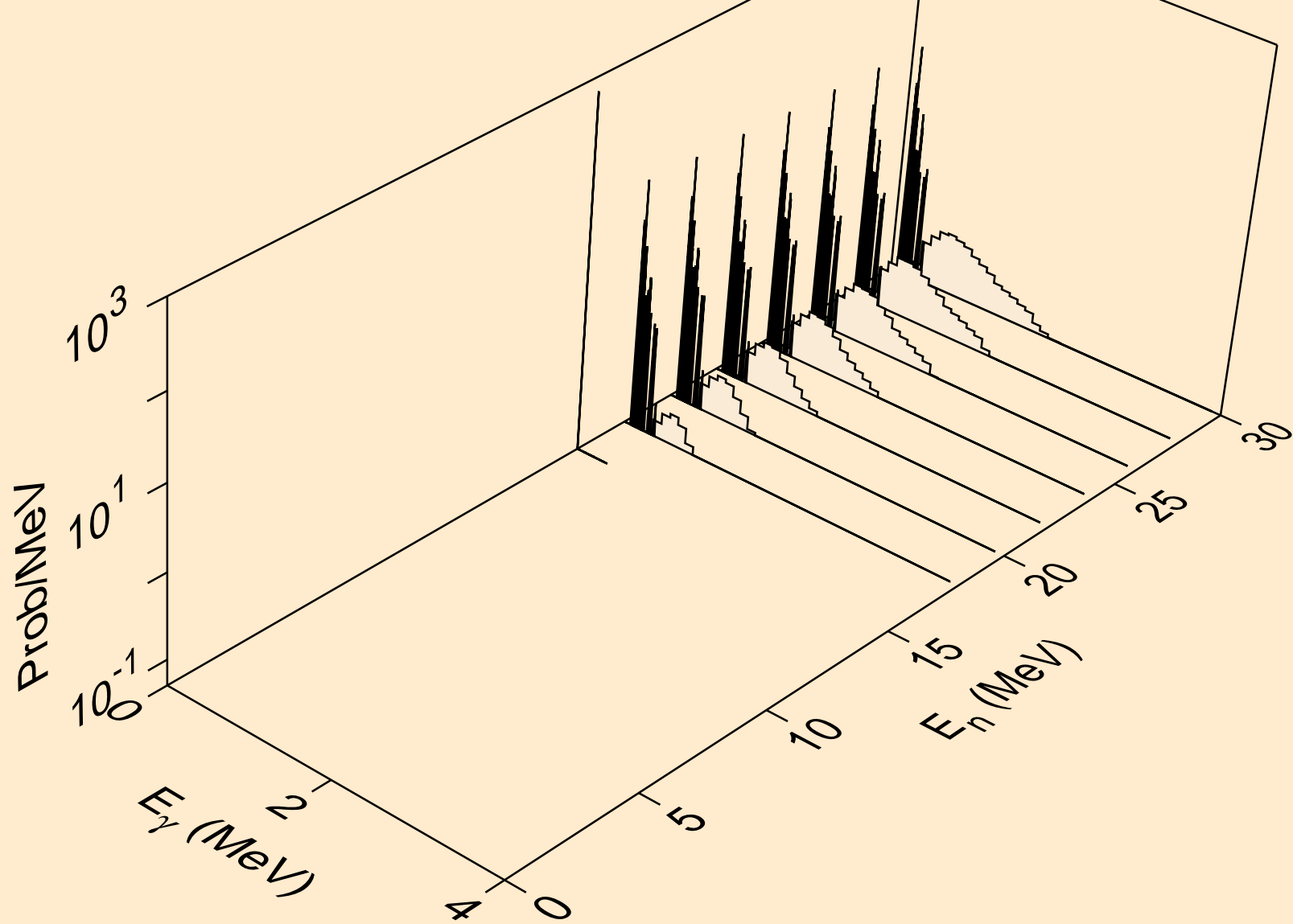




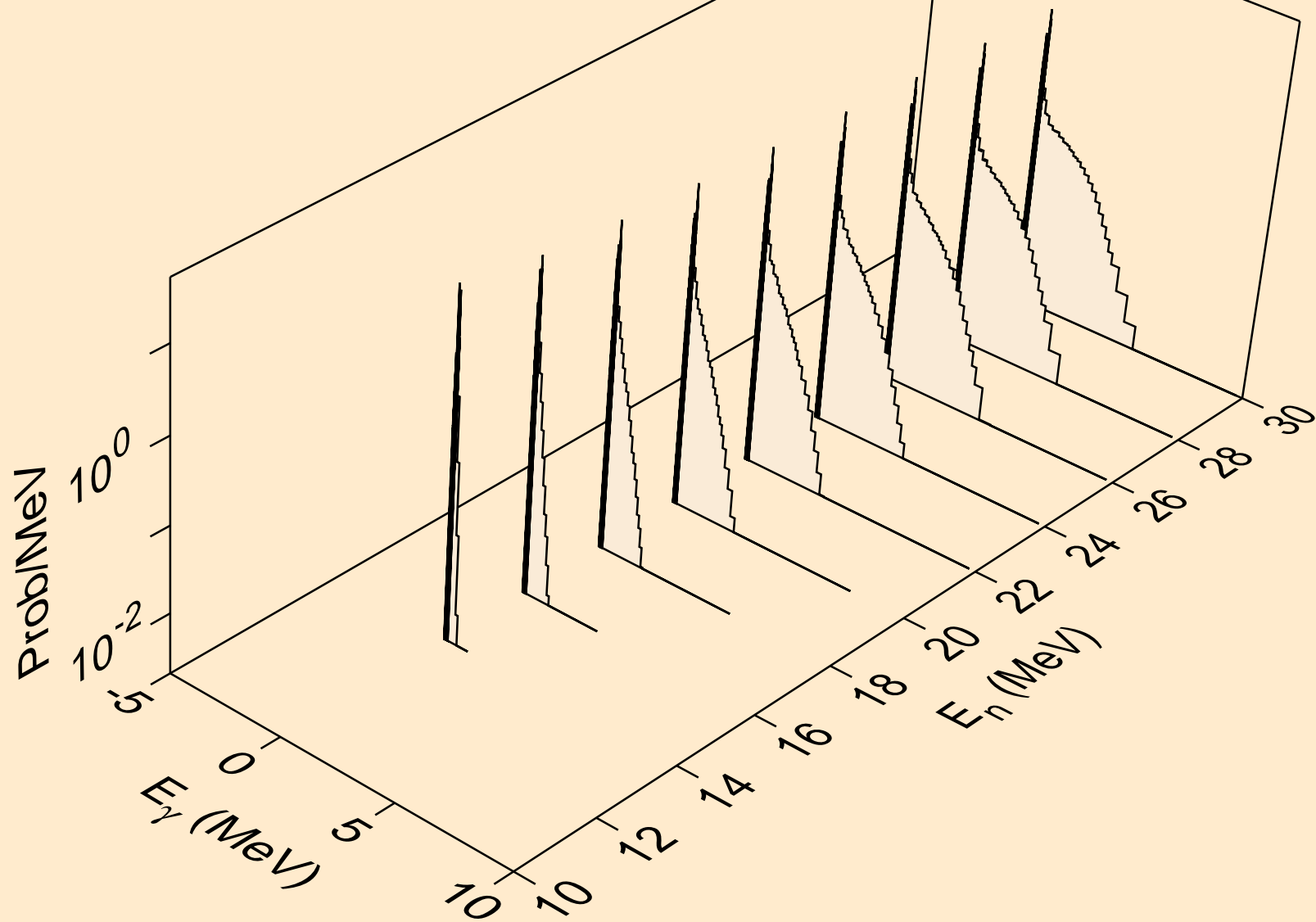
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



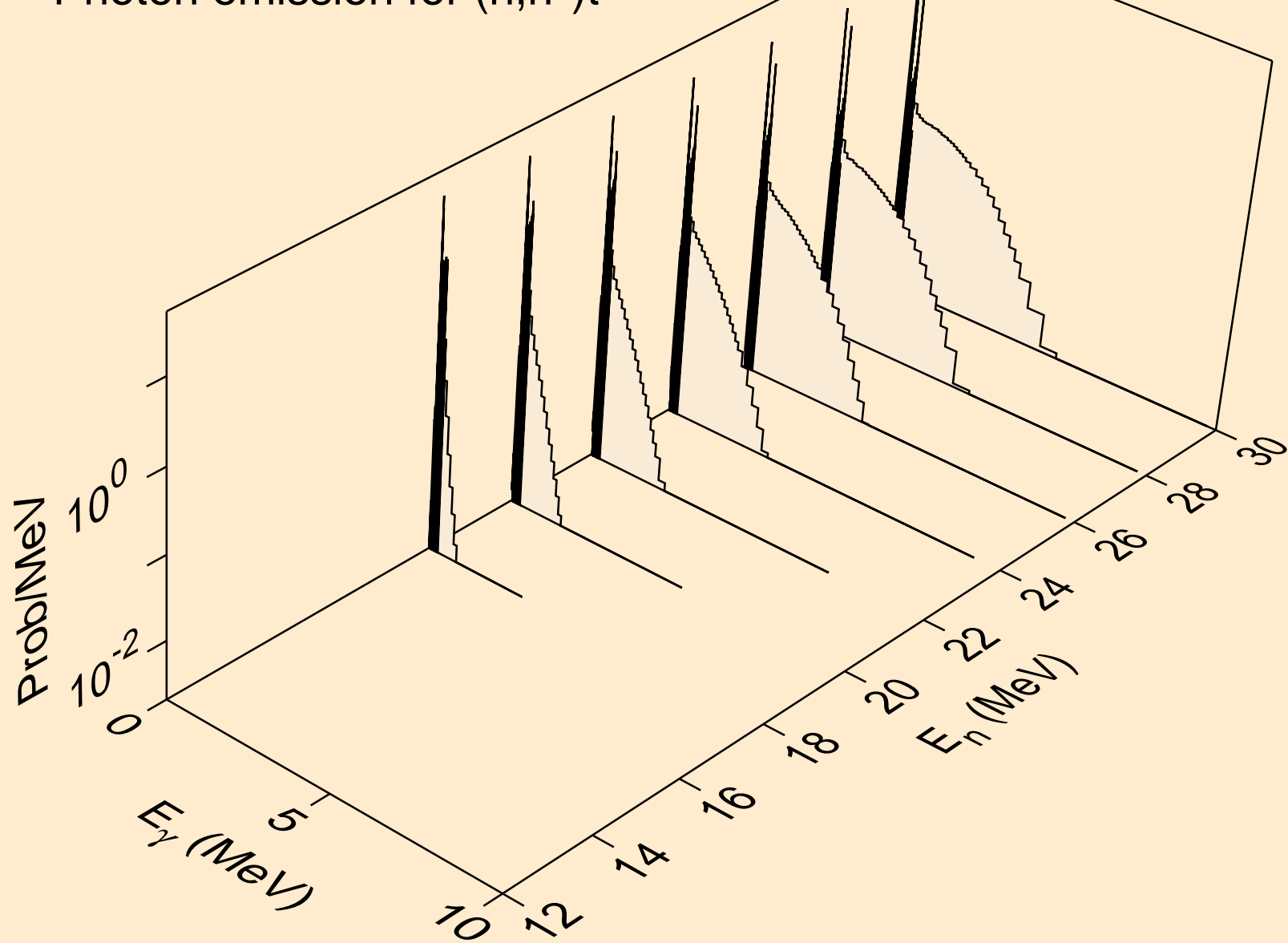
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



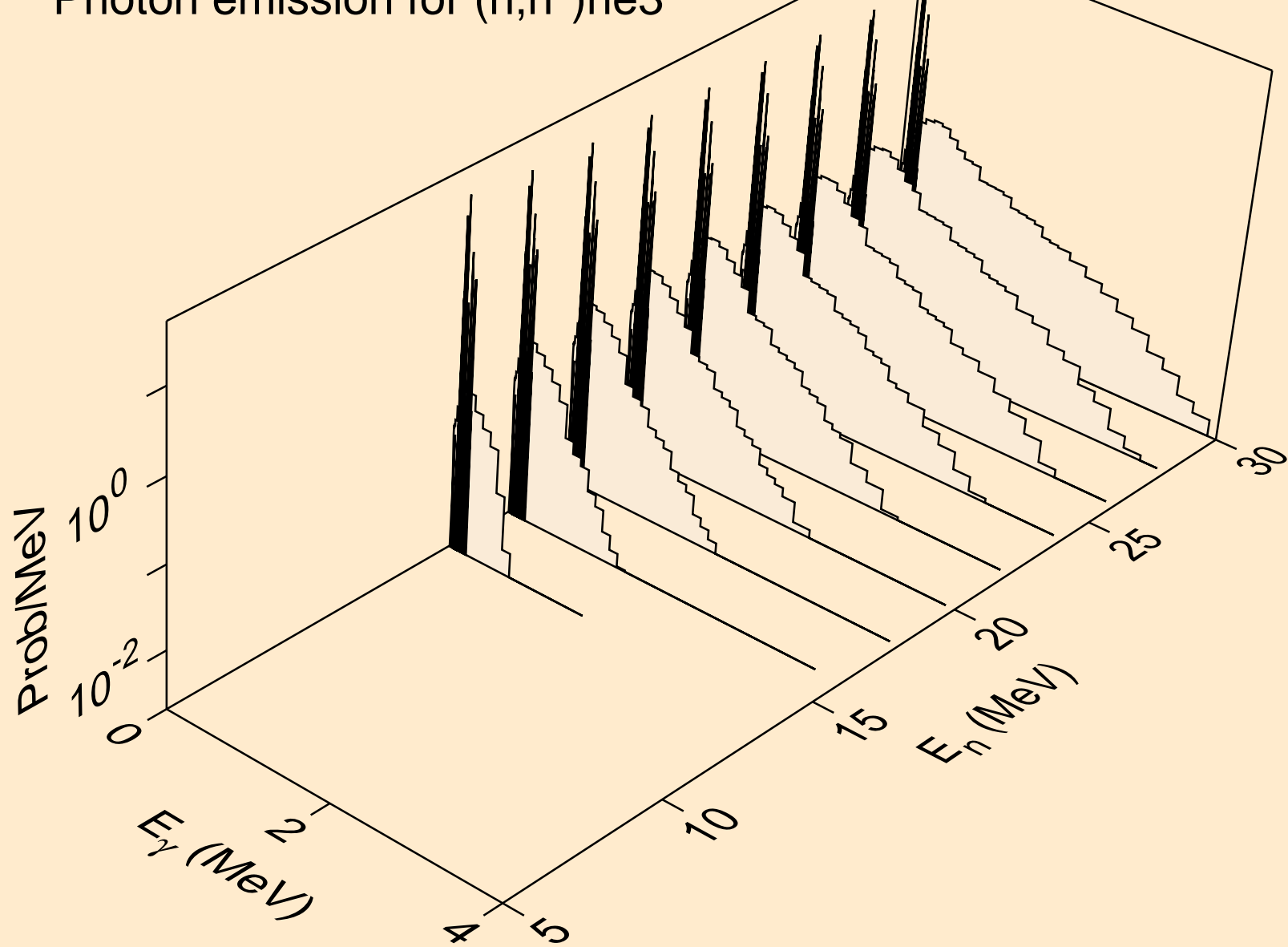
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



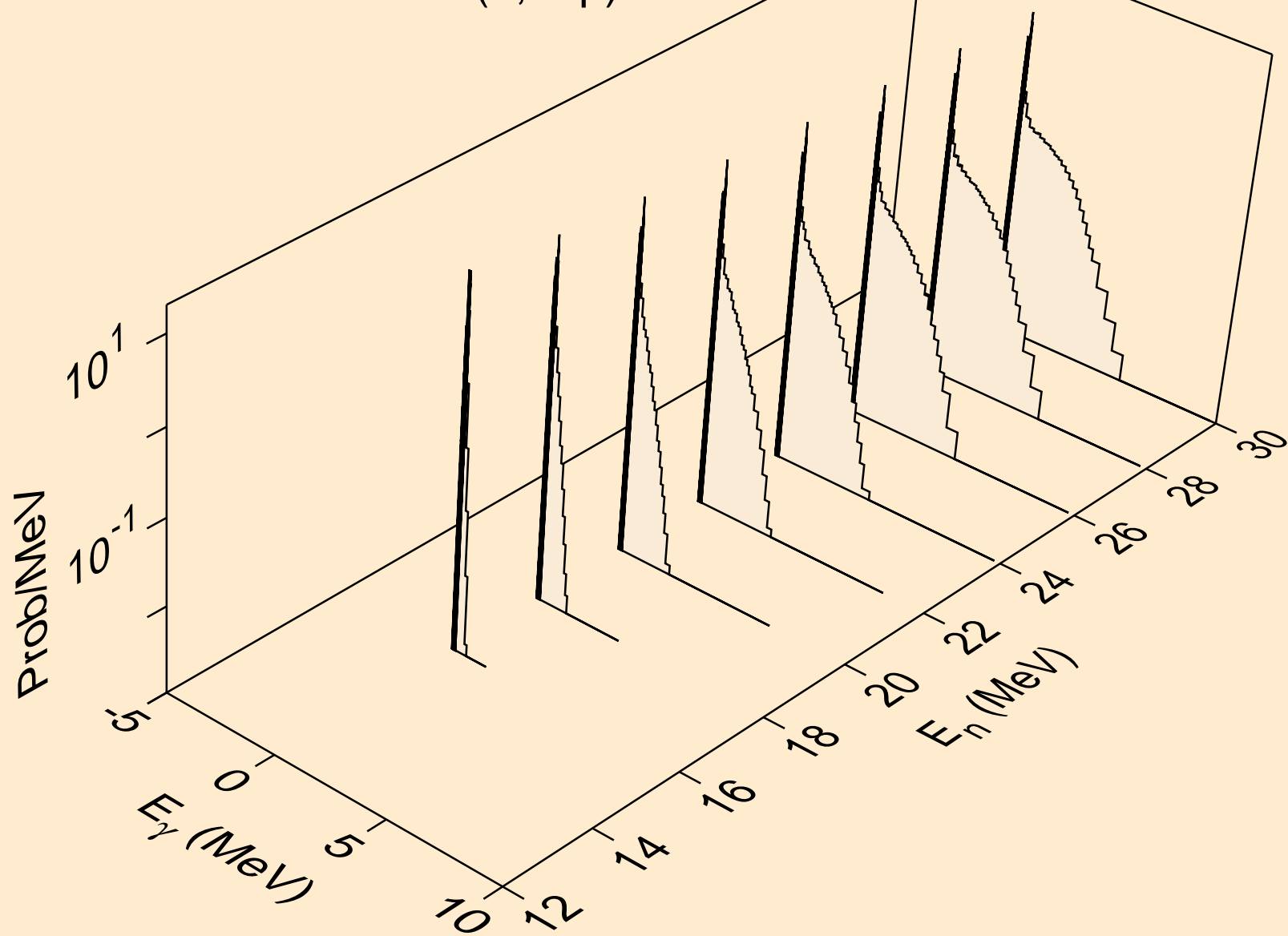
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



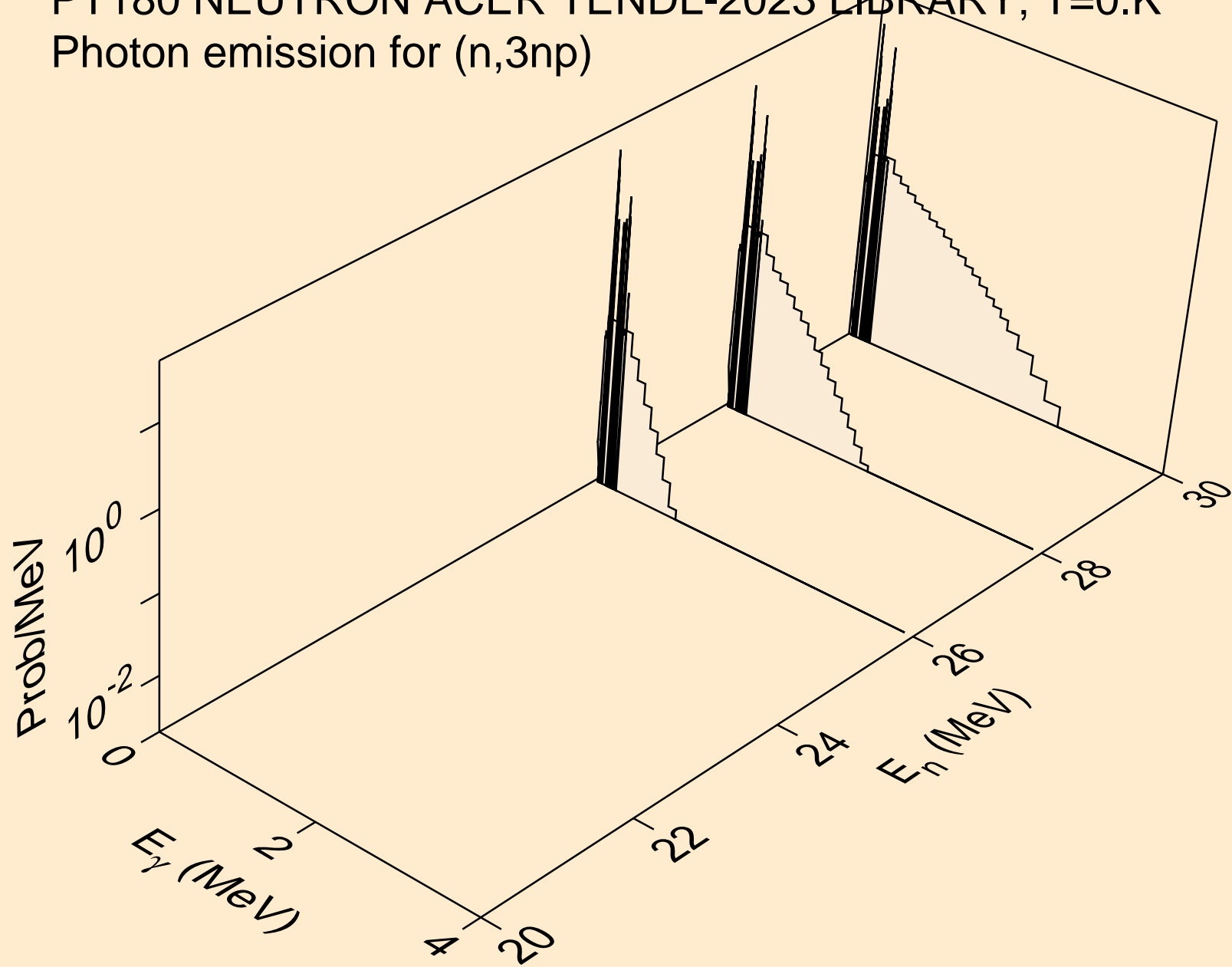
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



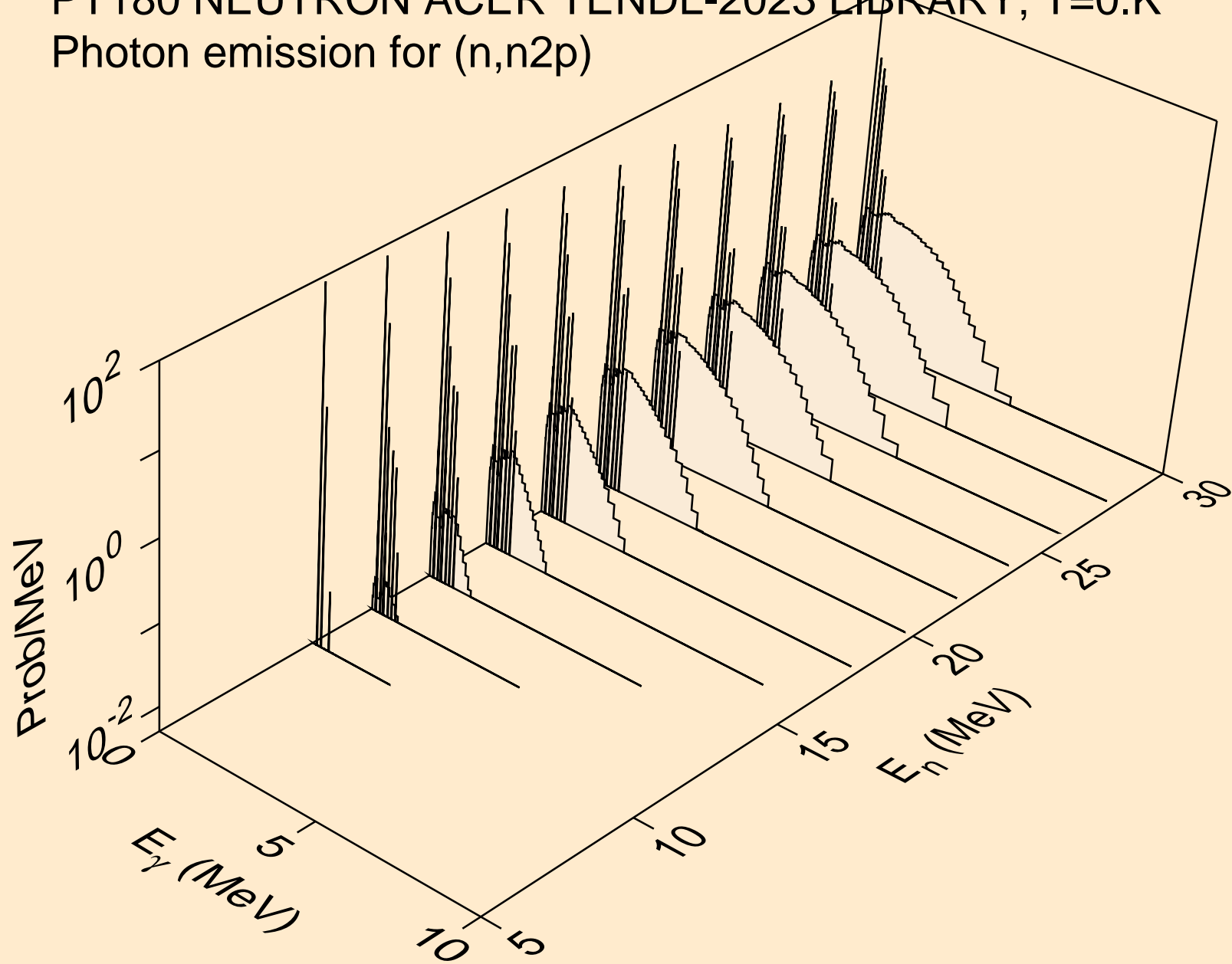
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

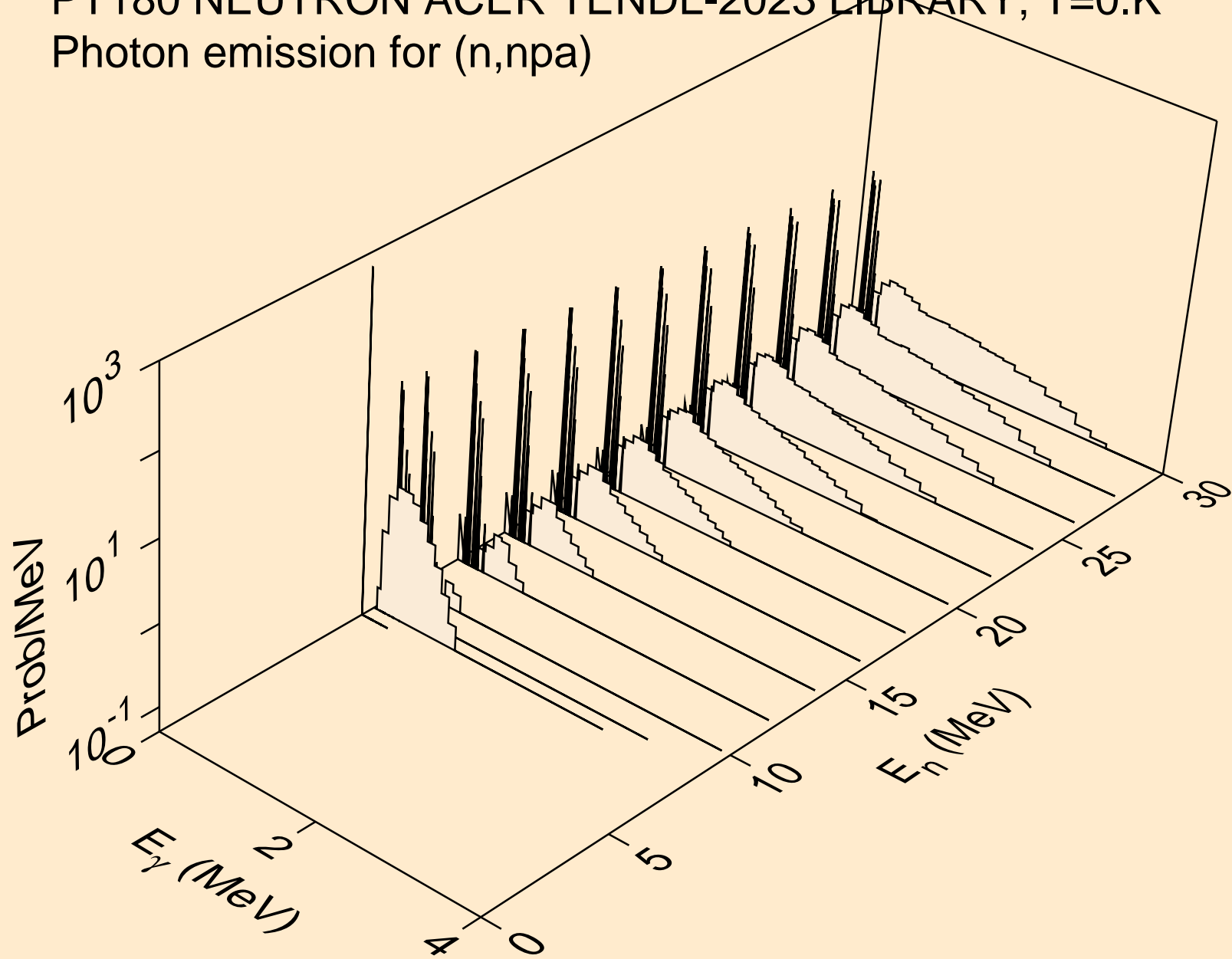


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

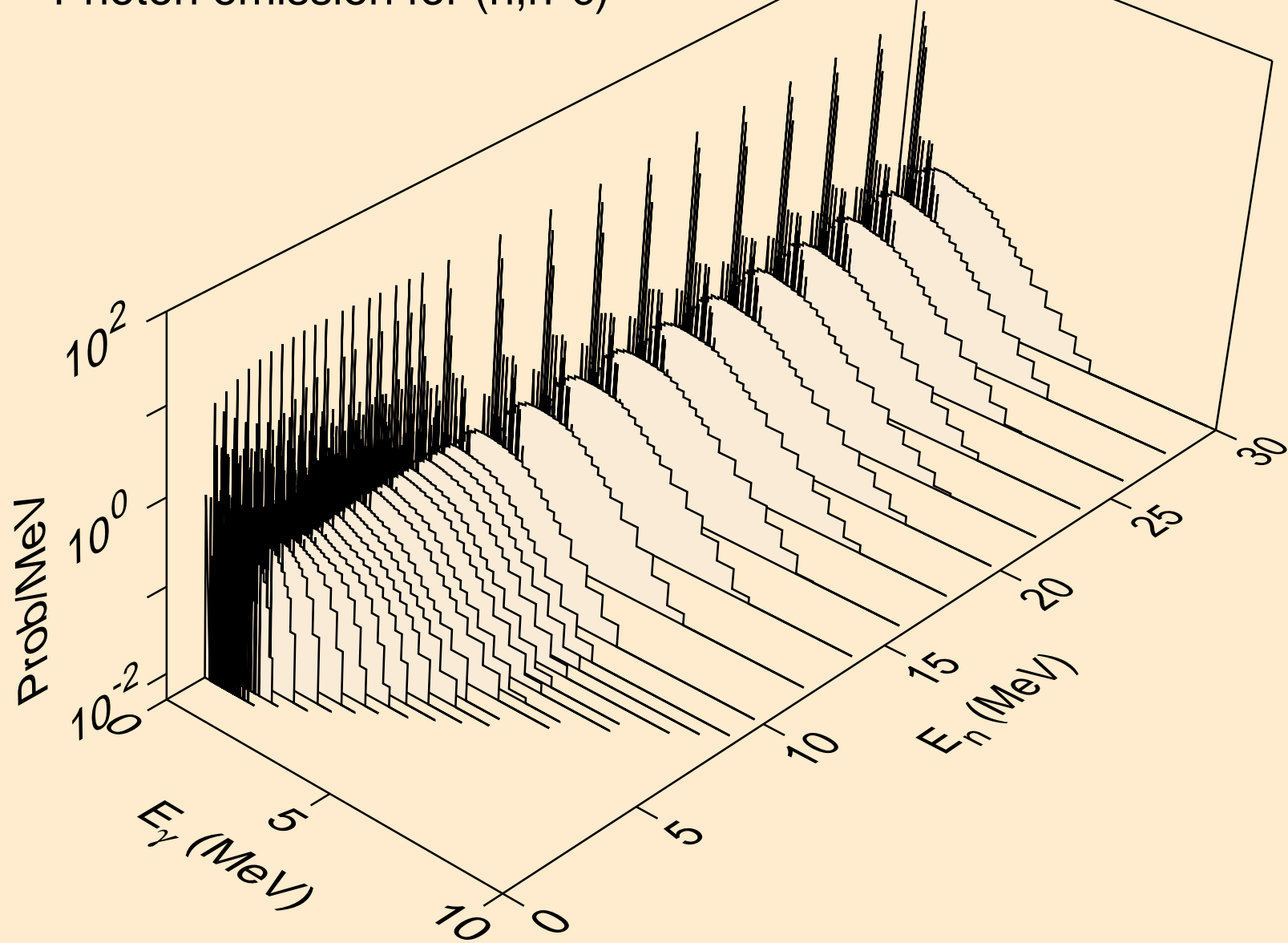




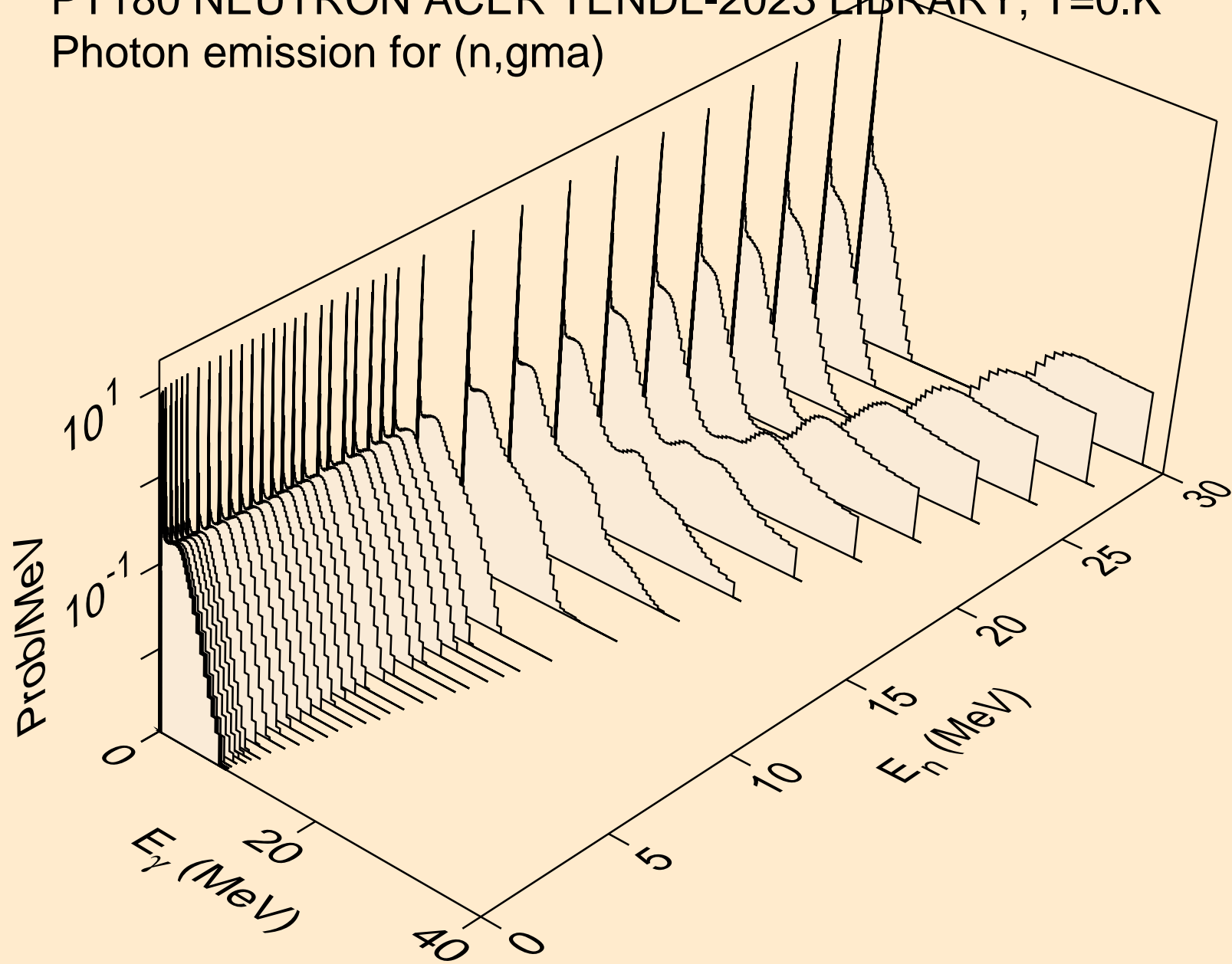
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



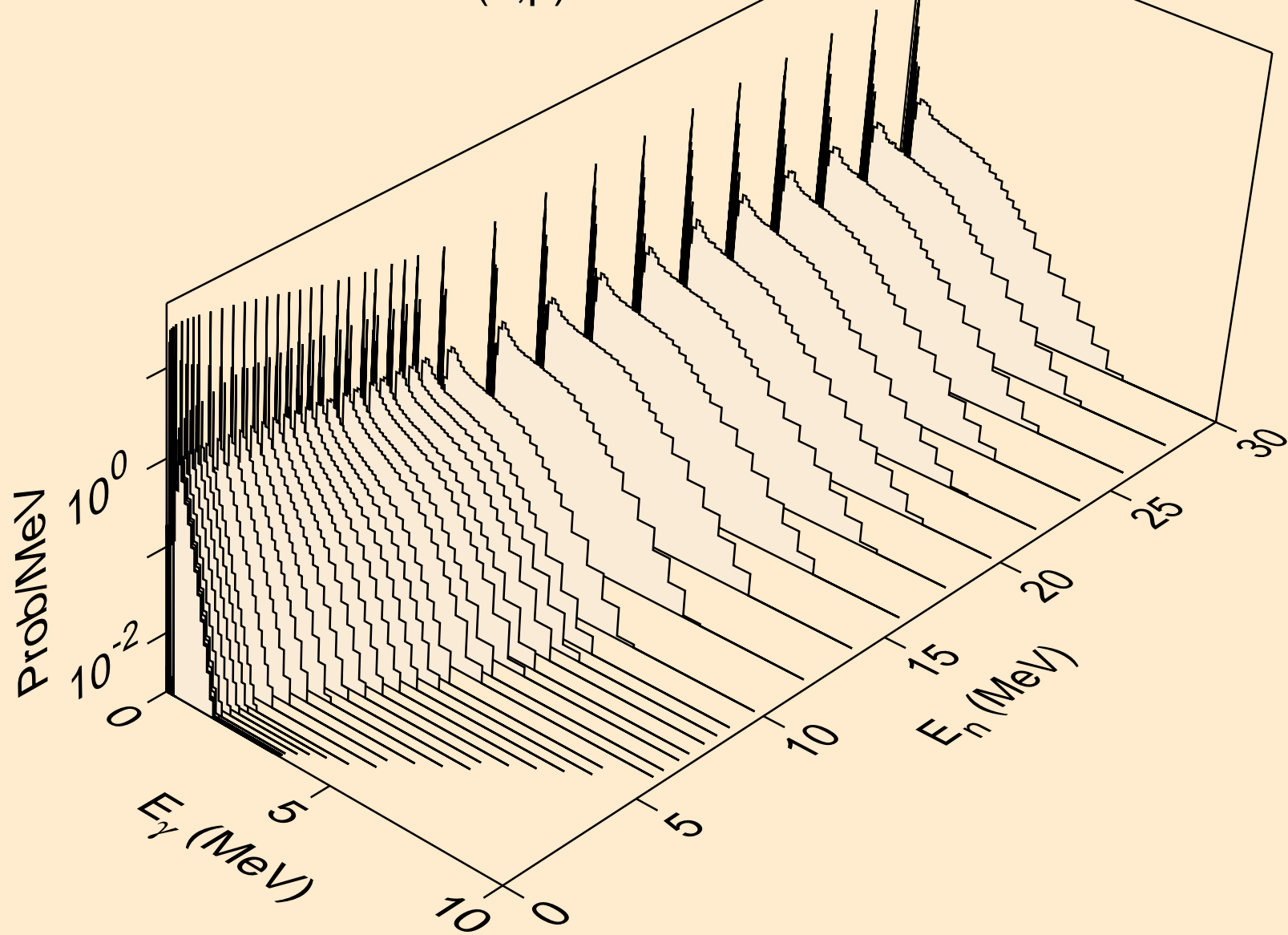
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Photon emission for (n,n\*c)



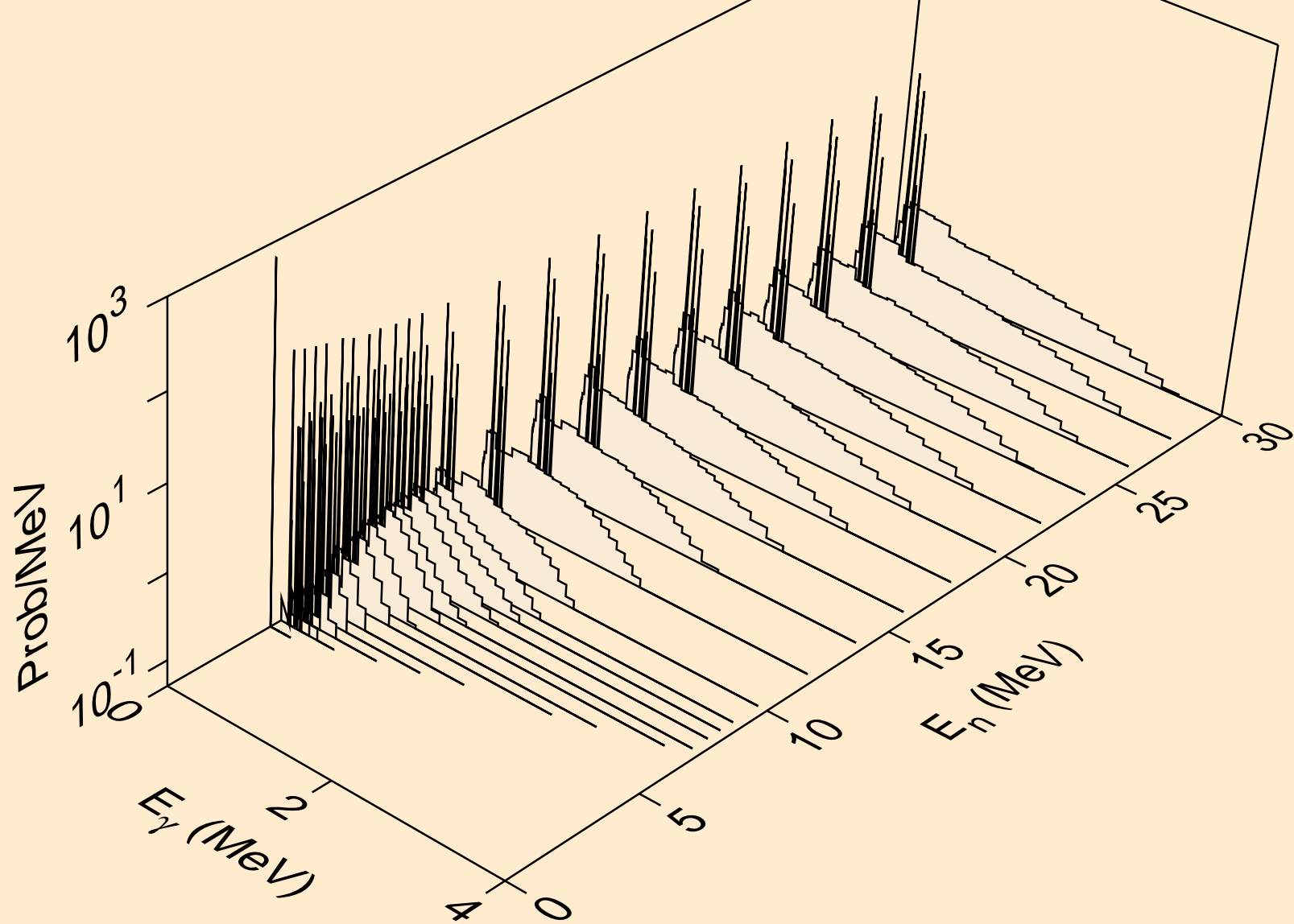
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Photon emission for (n,gma)



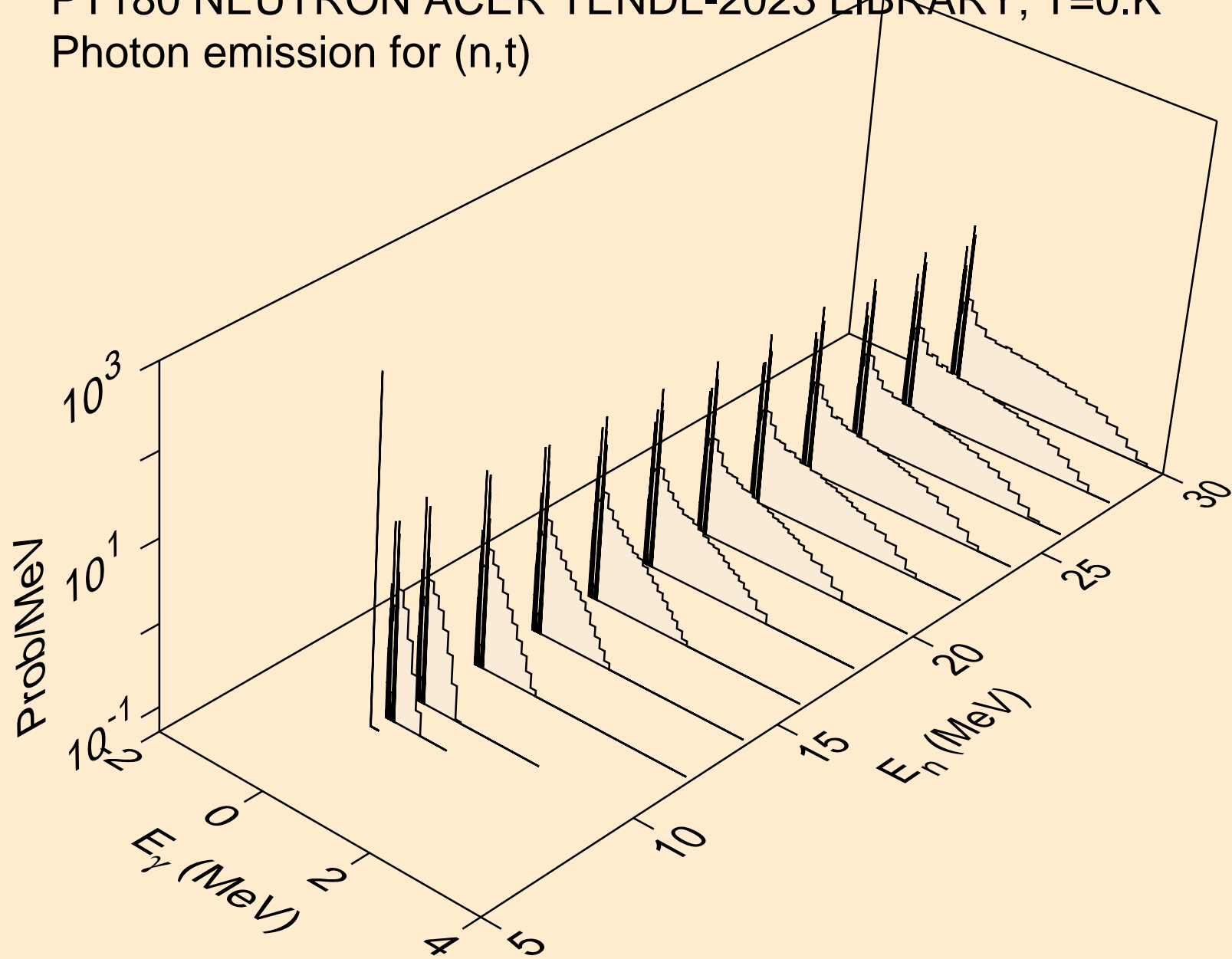
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



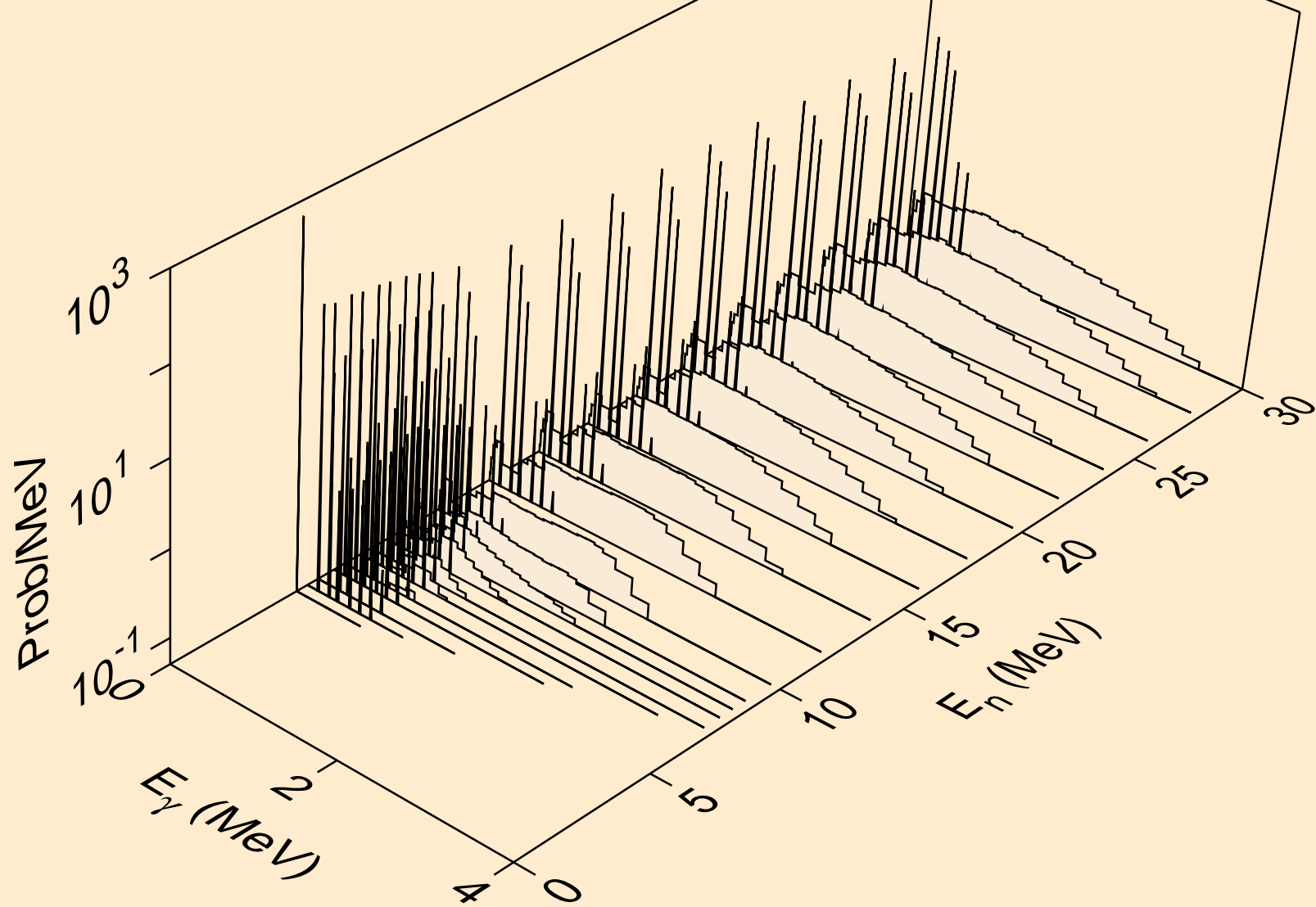
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Photon emission for (n,d)



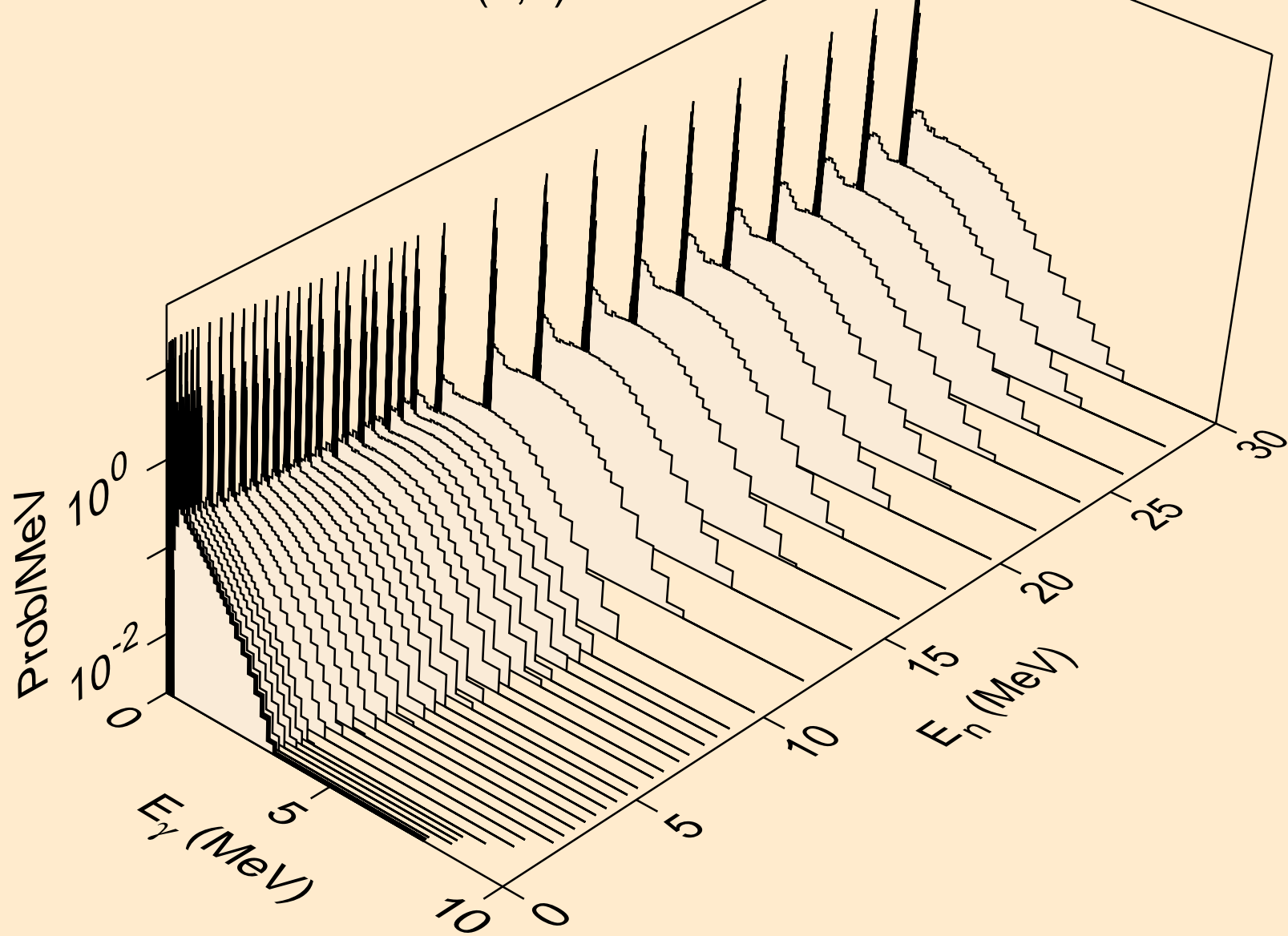
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

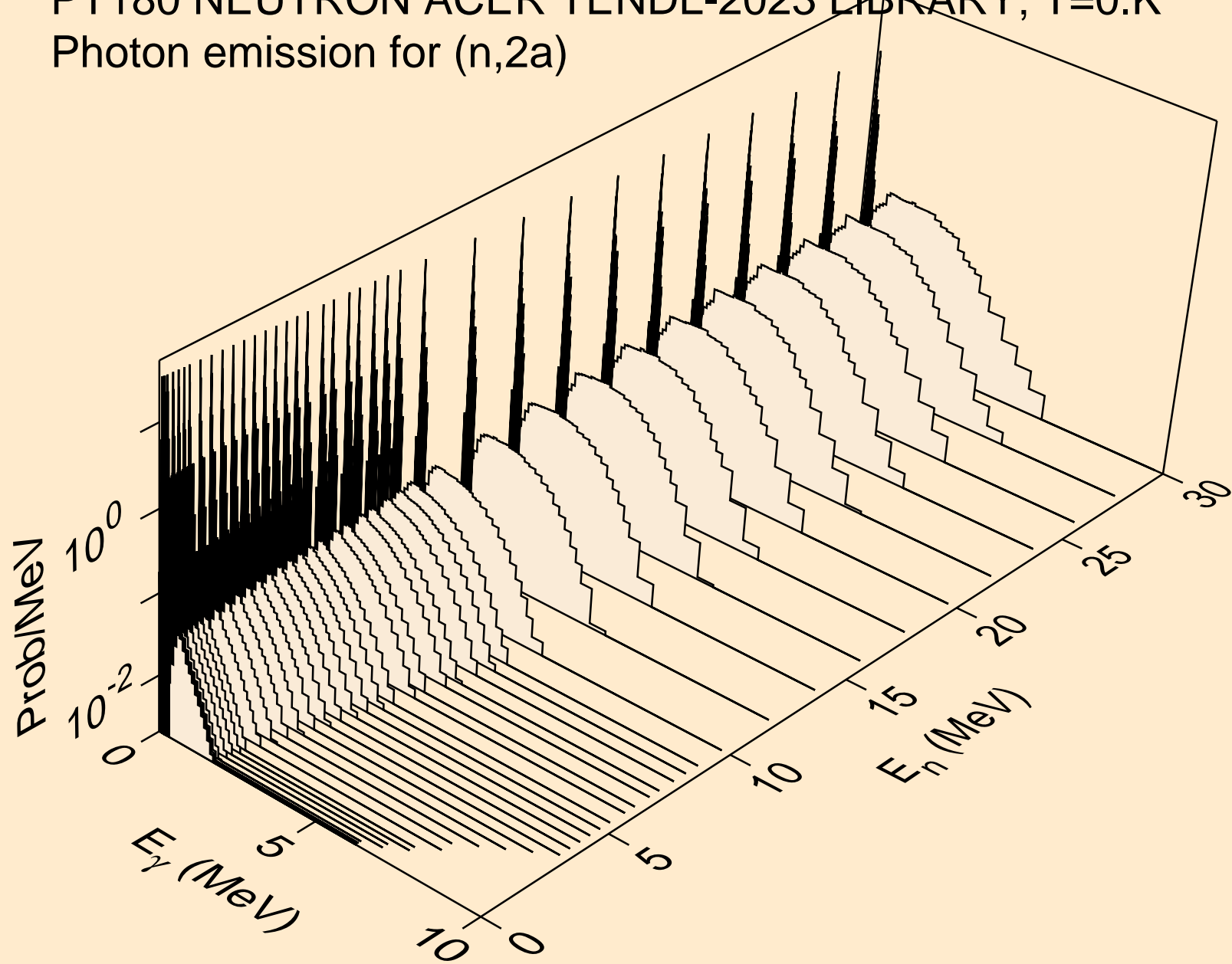


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

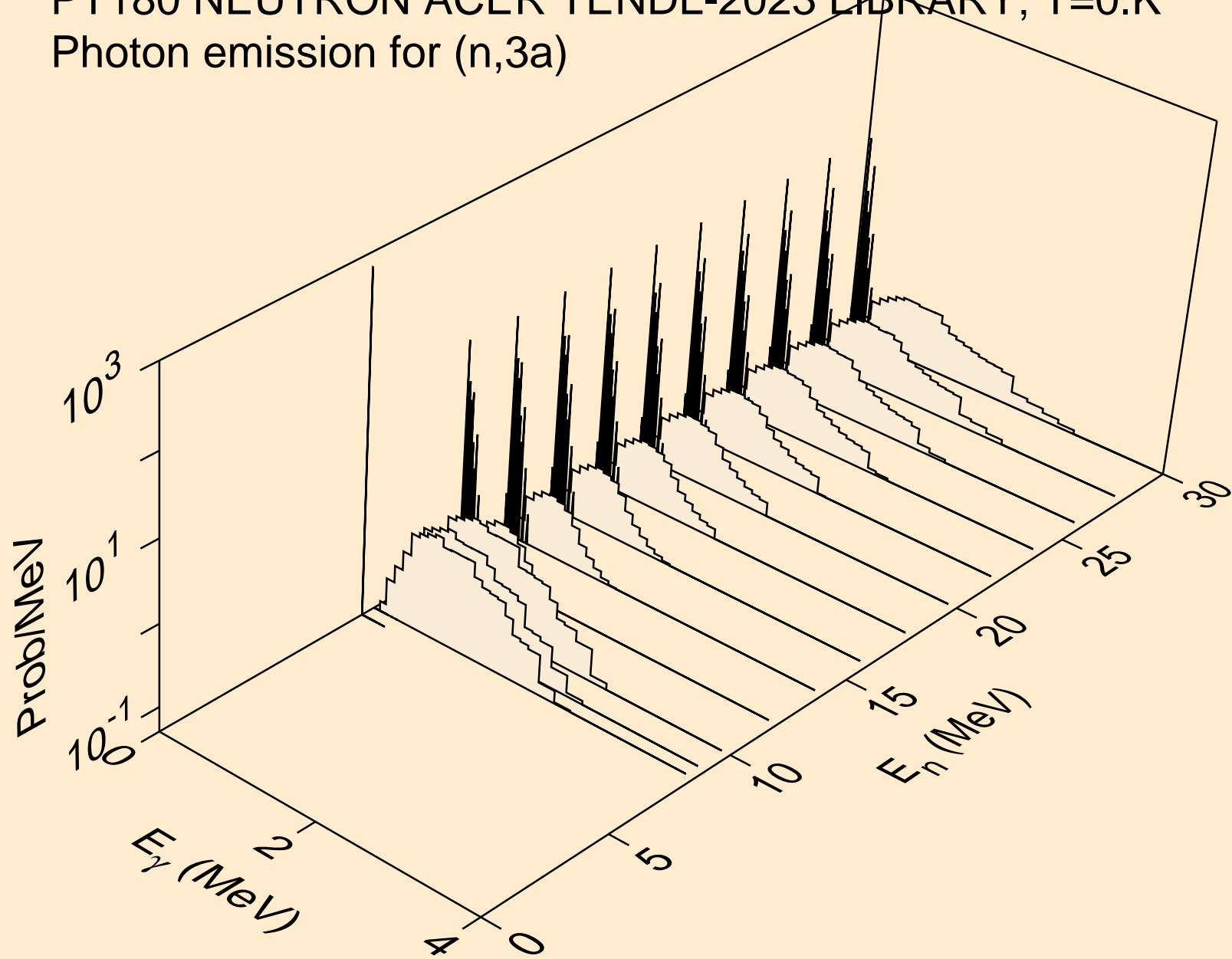




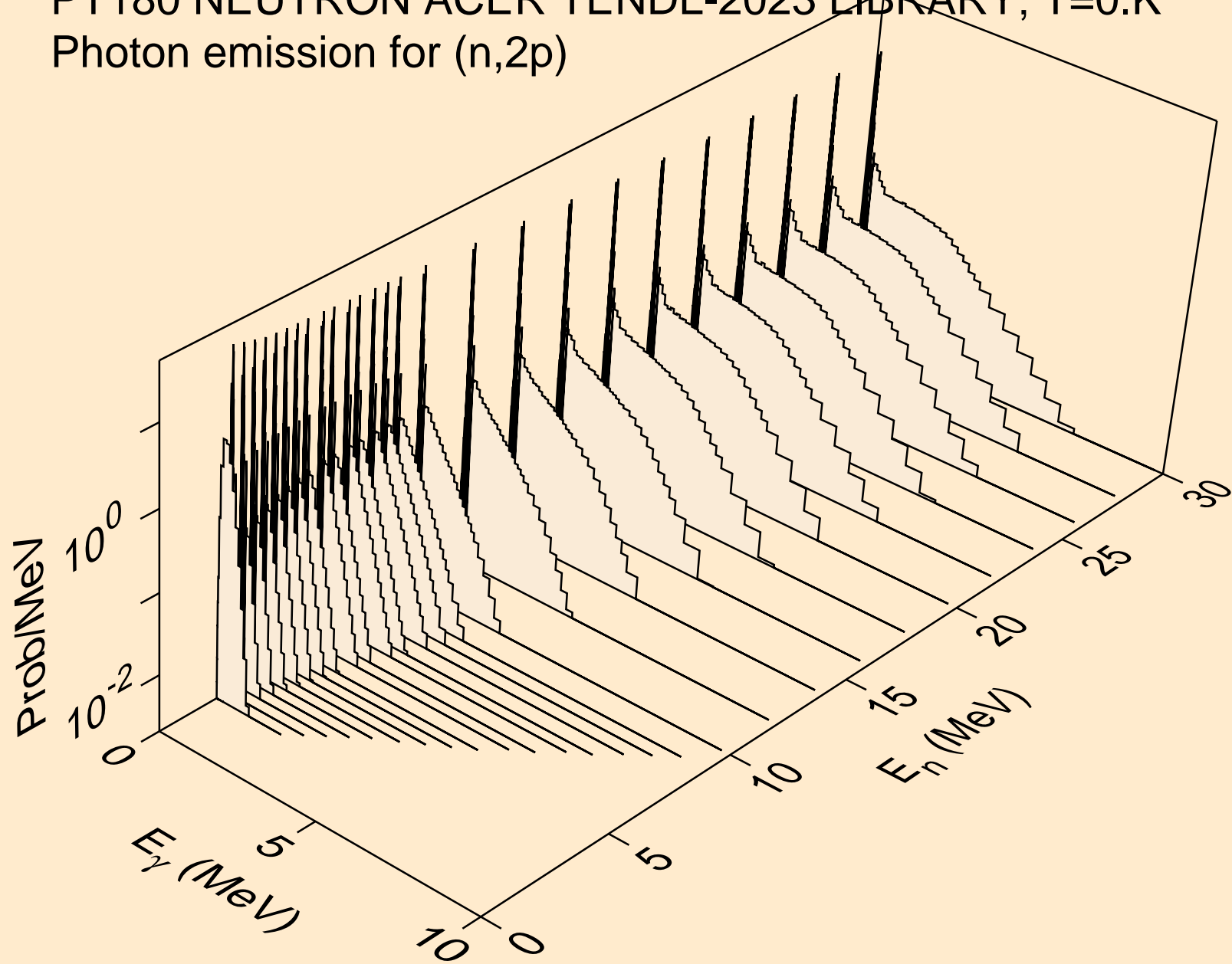
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



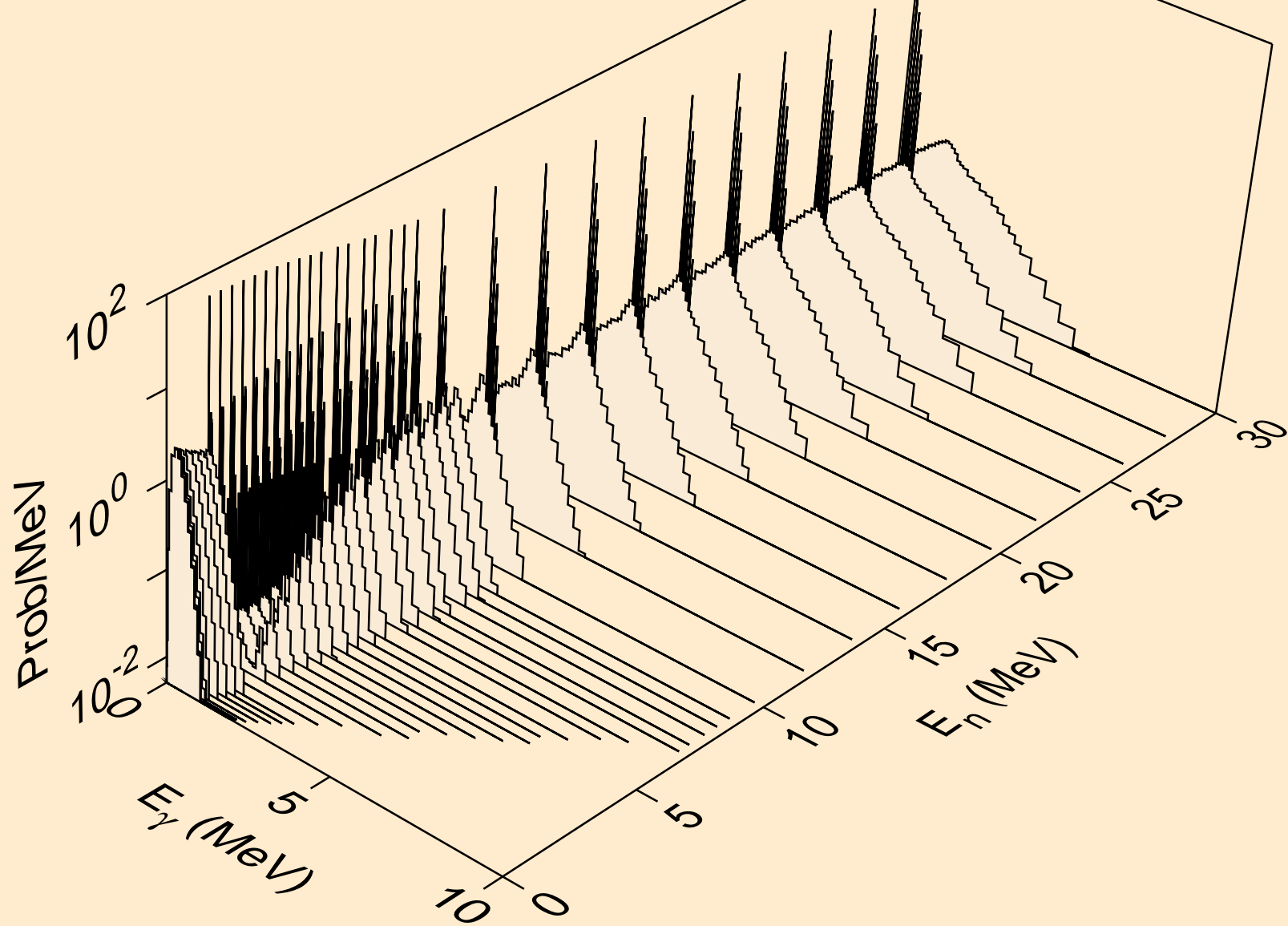
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



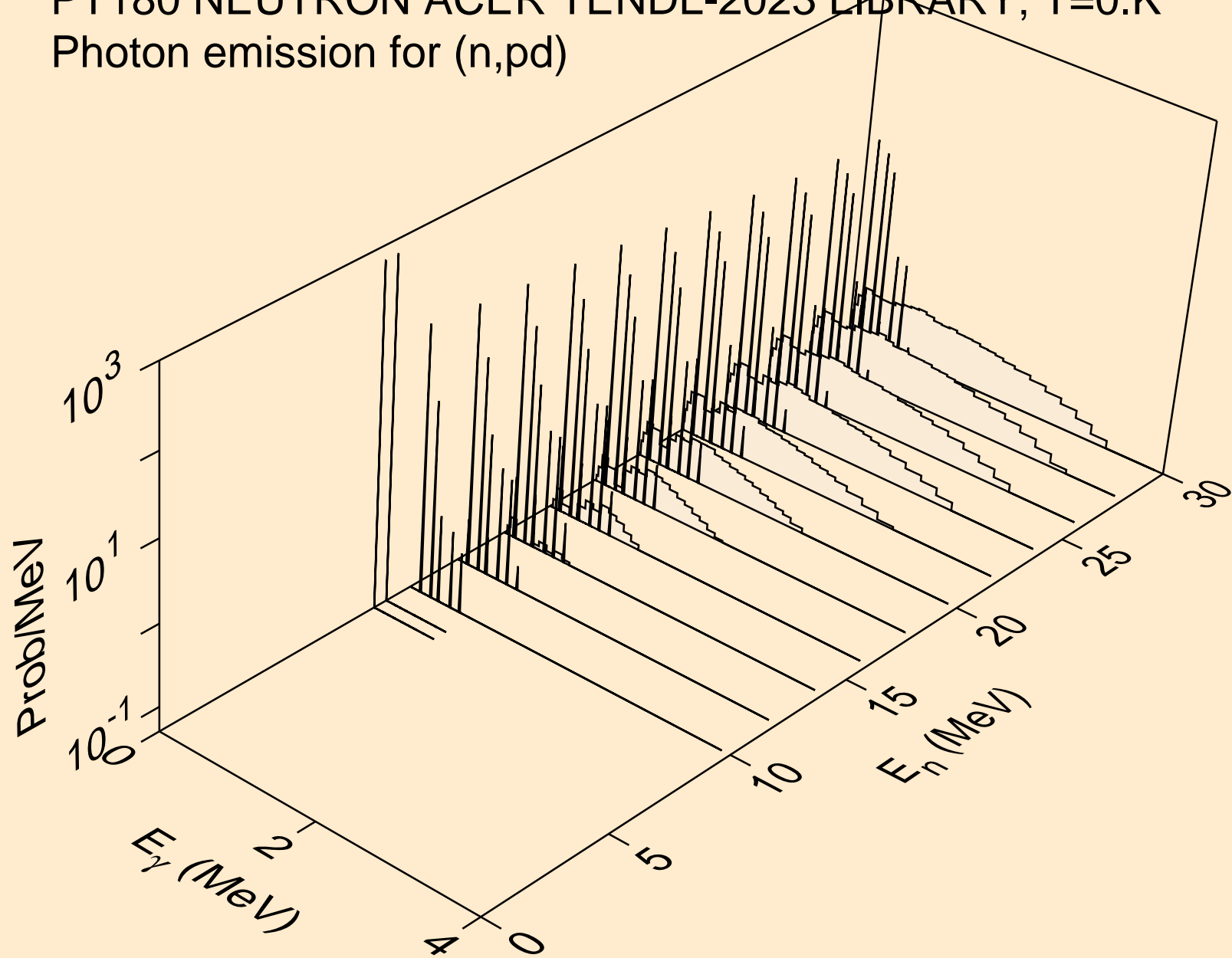
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Photon emission for (n,2p)



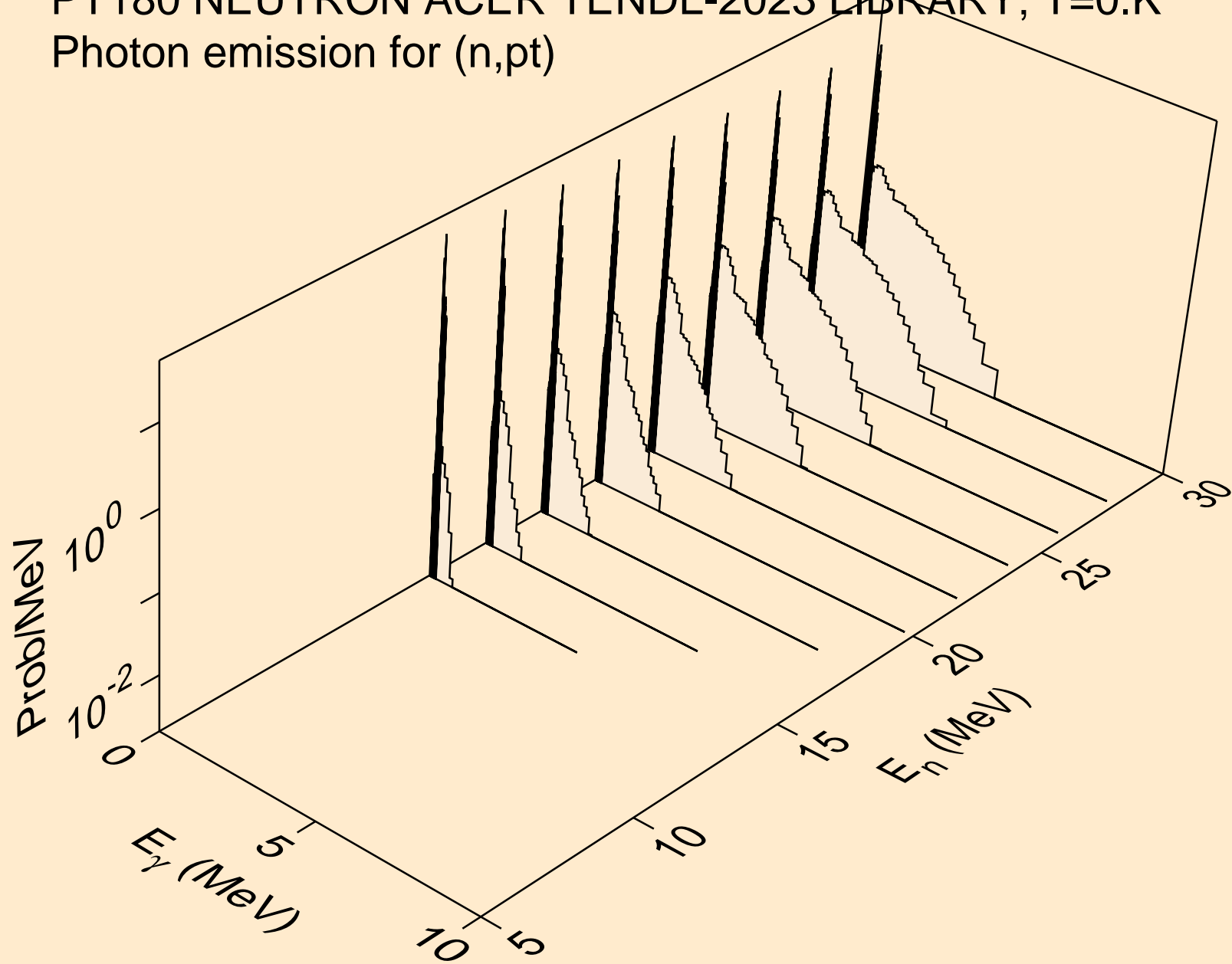
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Photon emission for (n,p $\alpha$ )



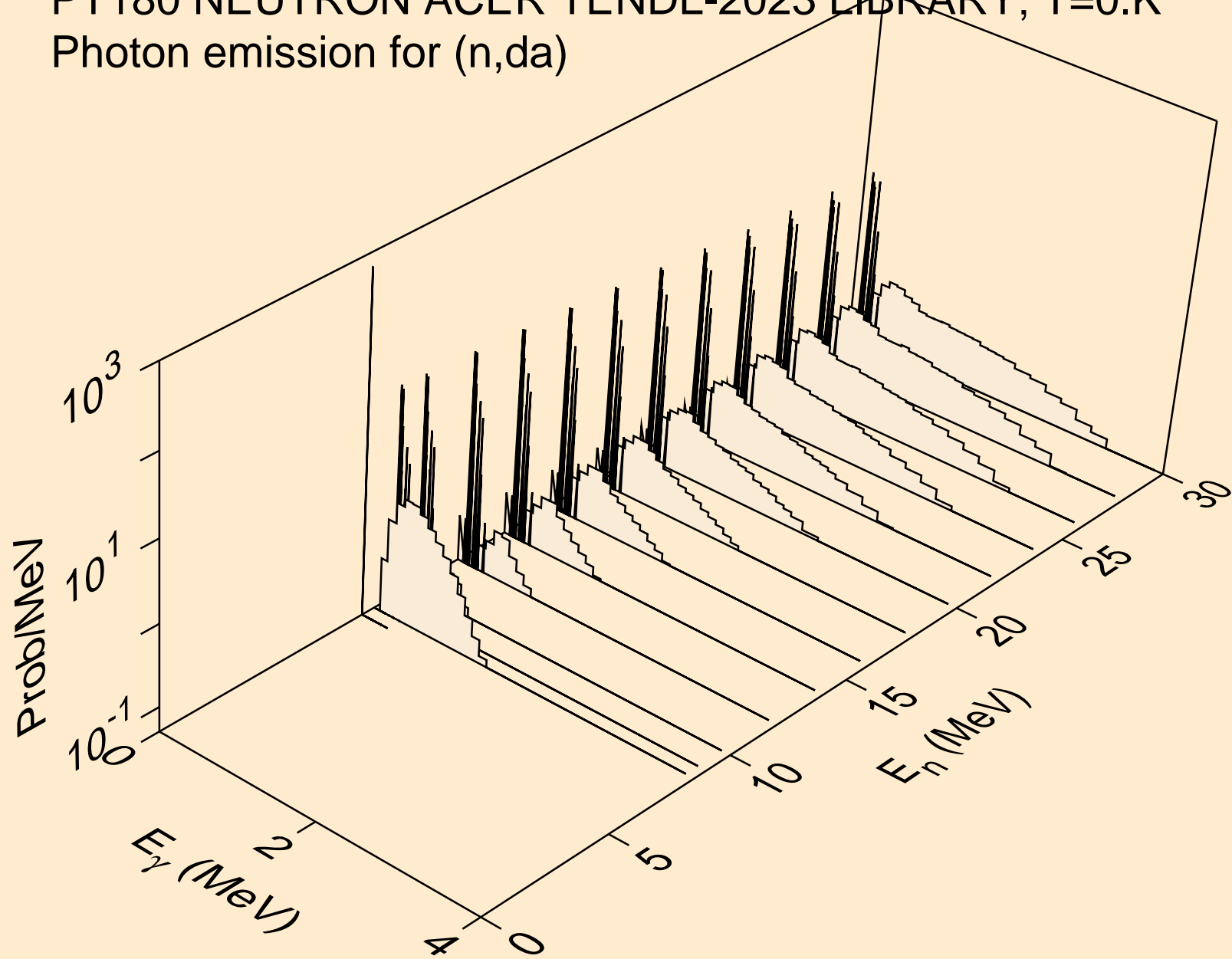
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Photon emission for (n,pd)



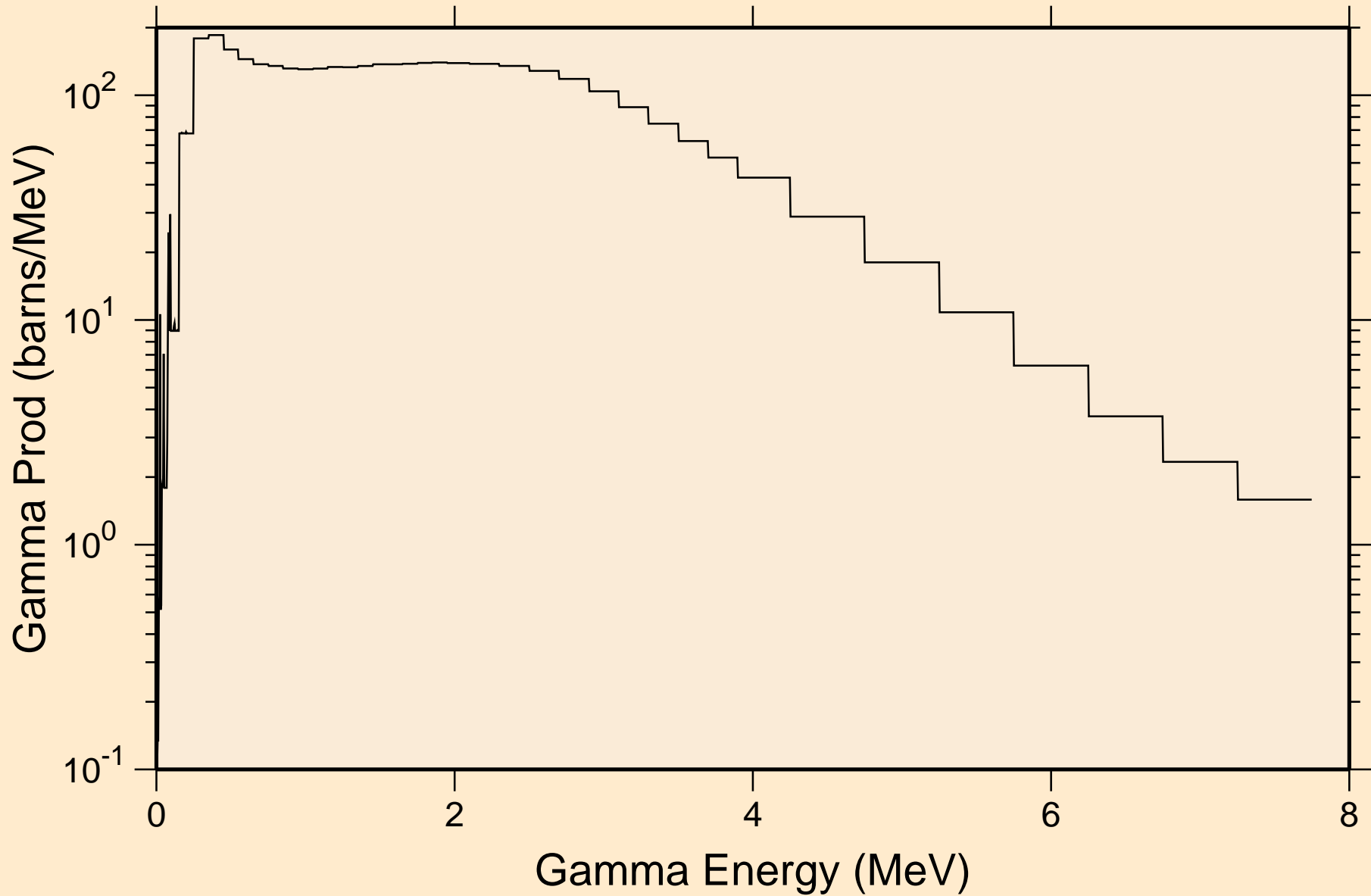
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

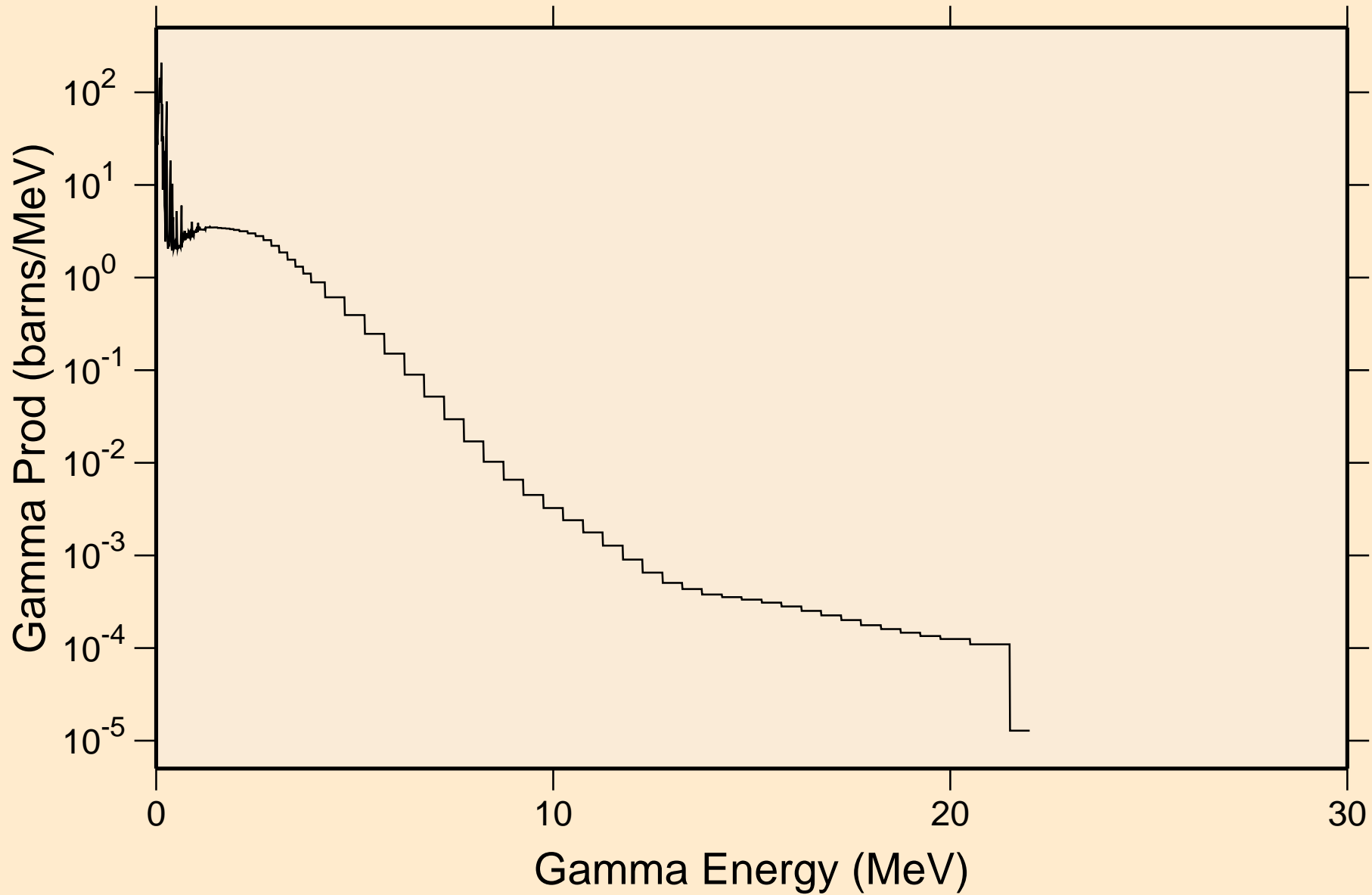


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

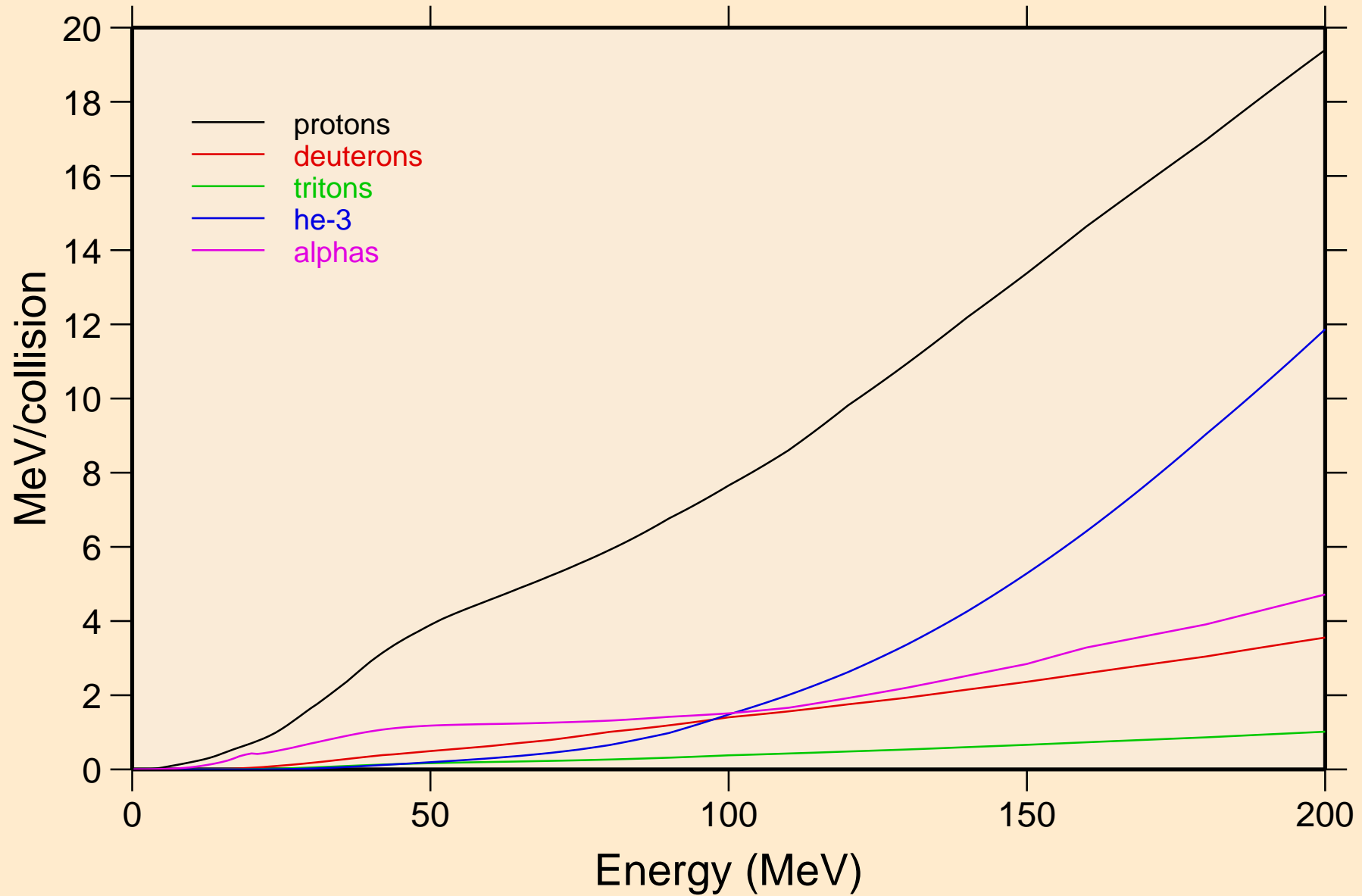




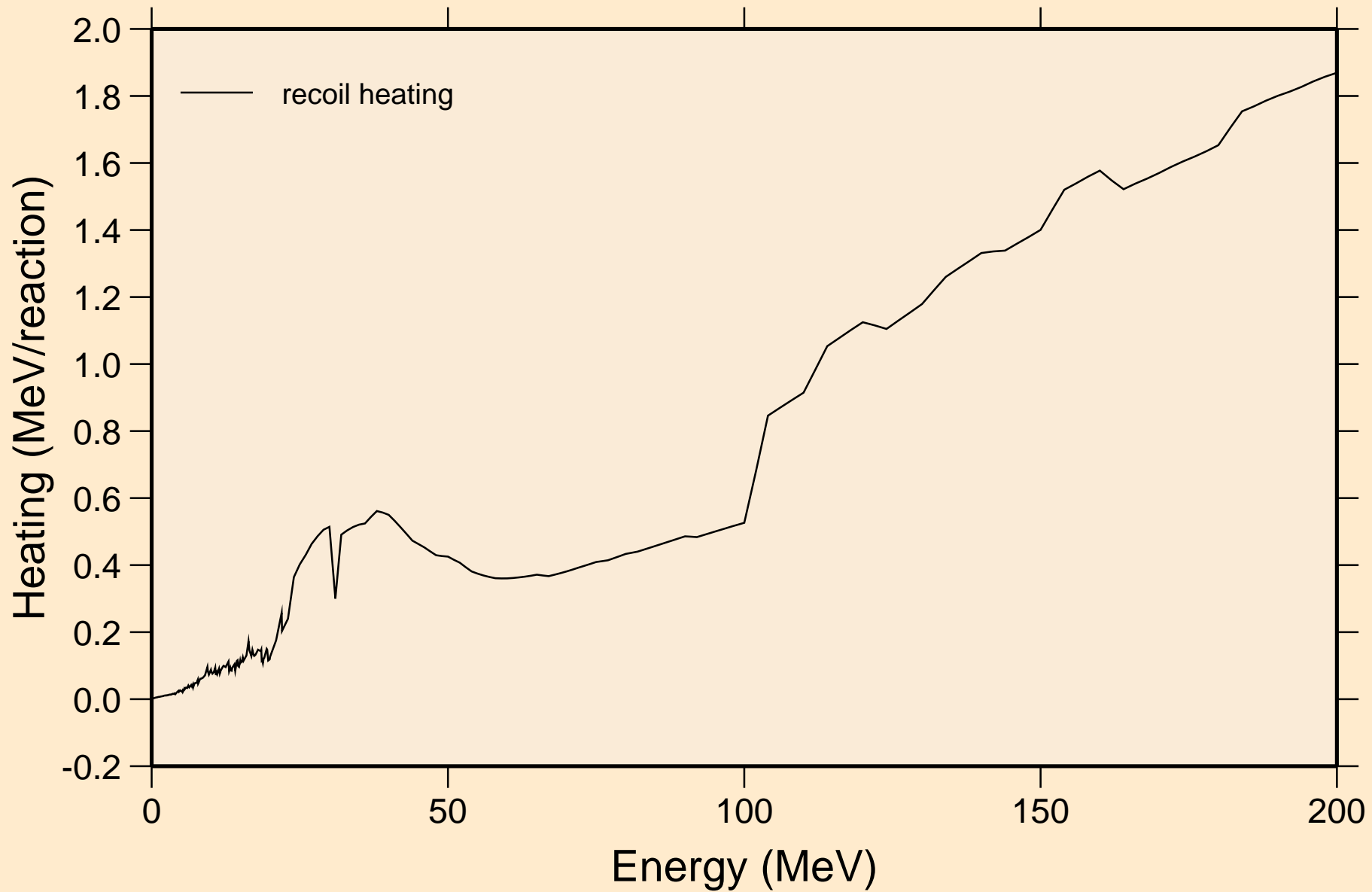
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14 MeV photon spectrum



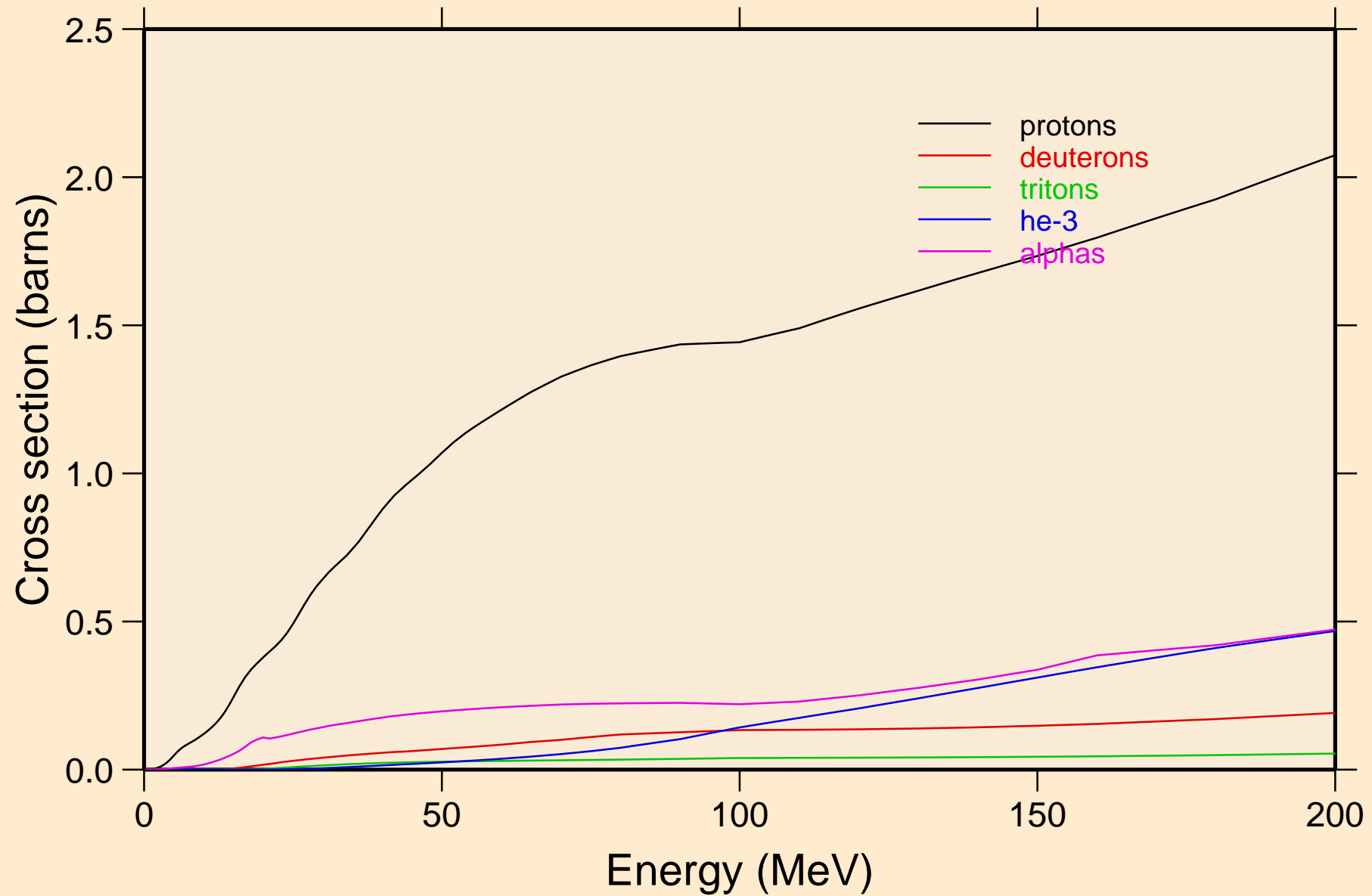
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Particle heating contributions



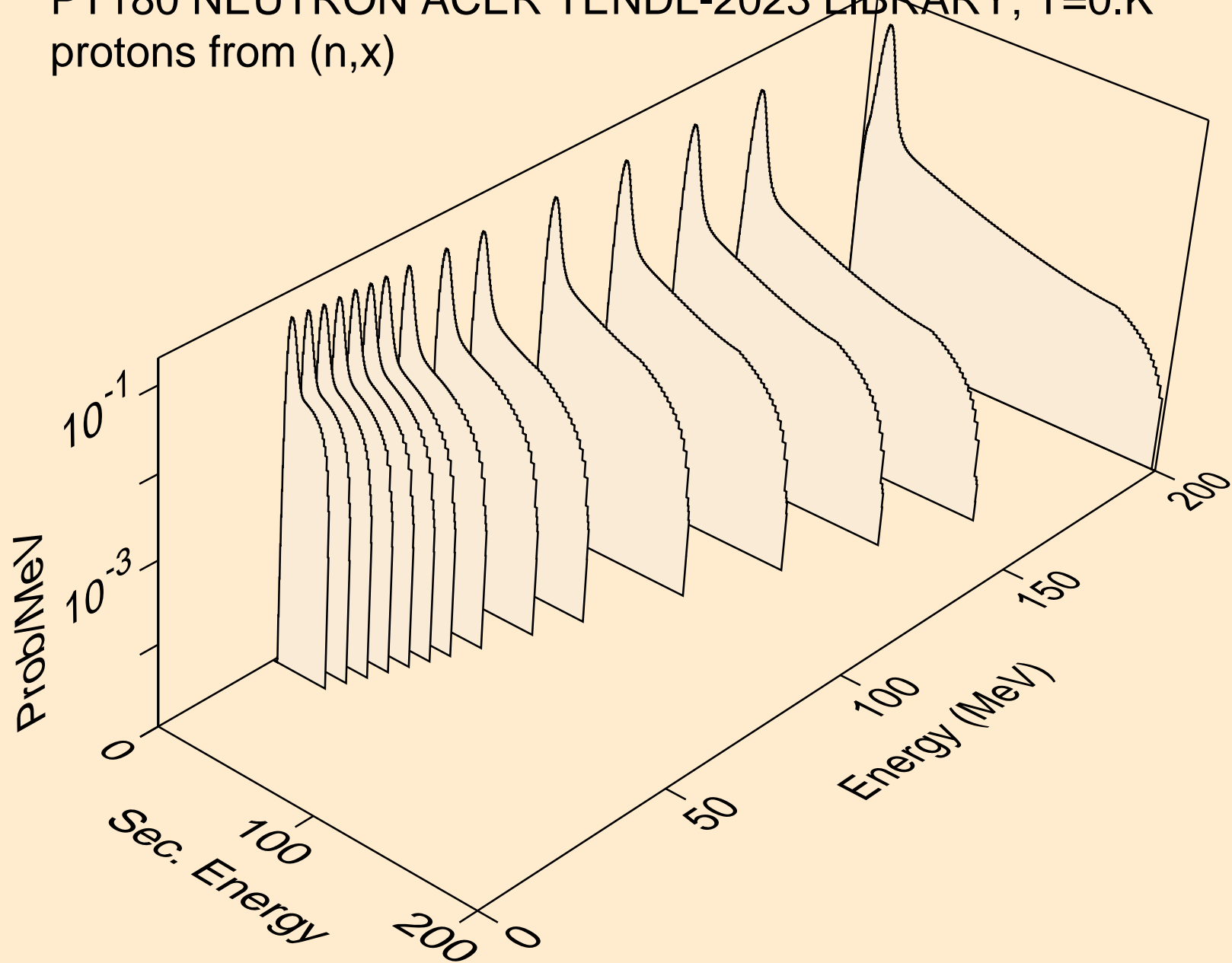
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



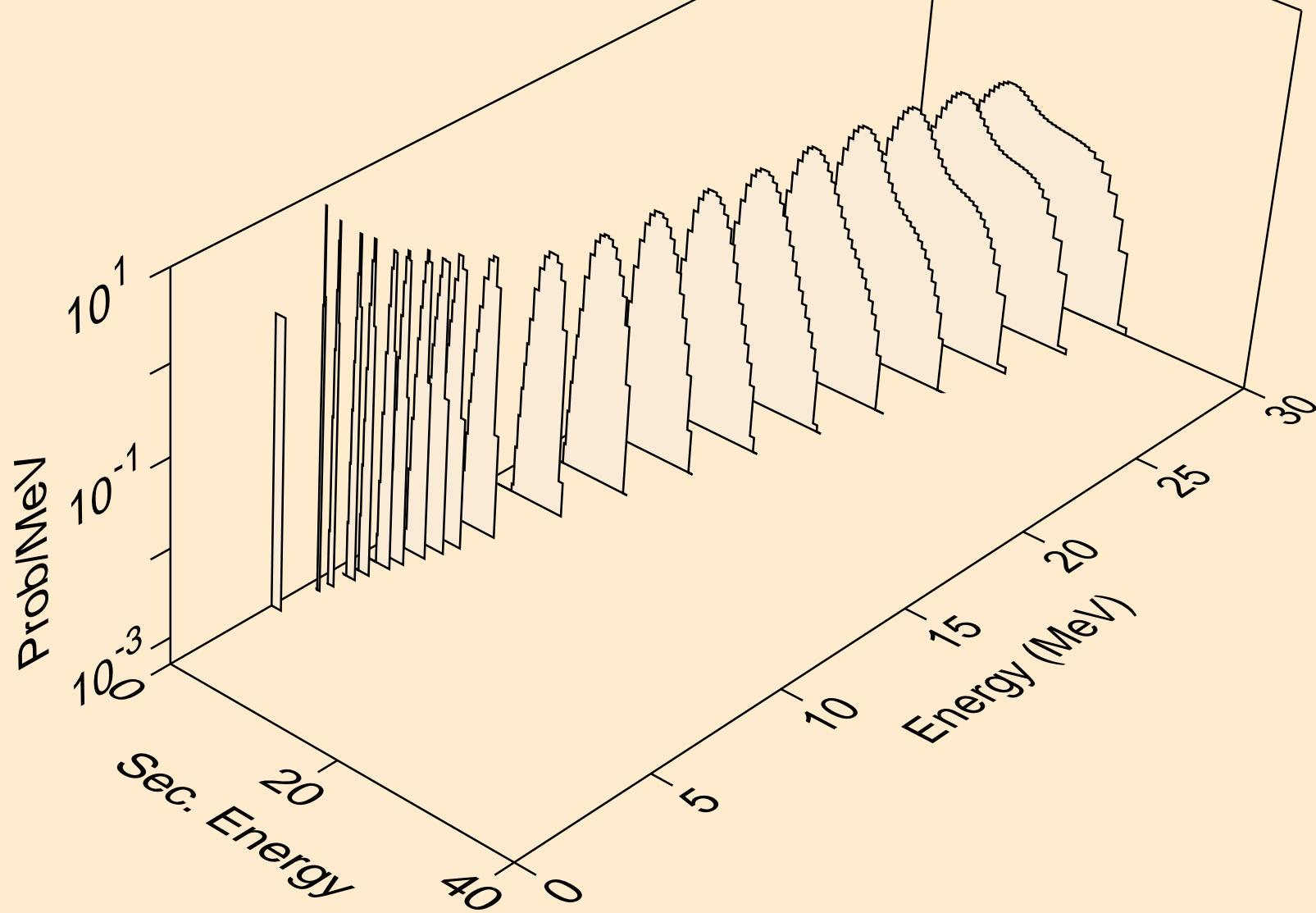
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



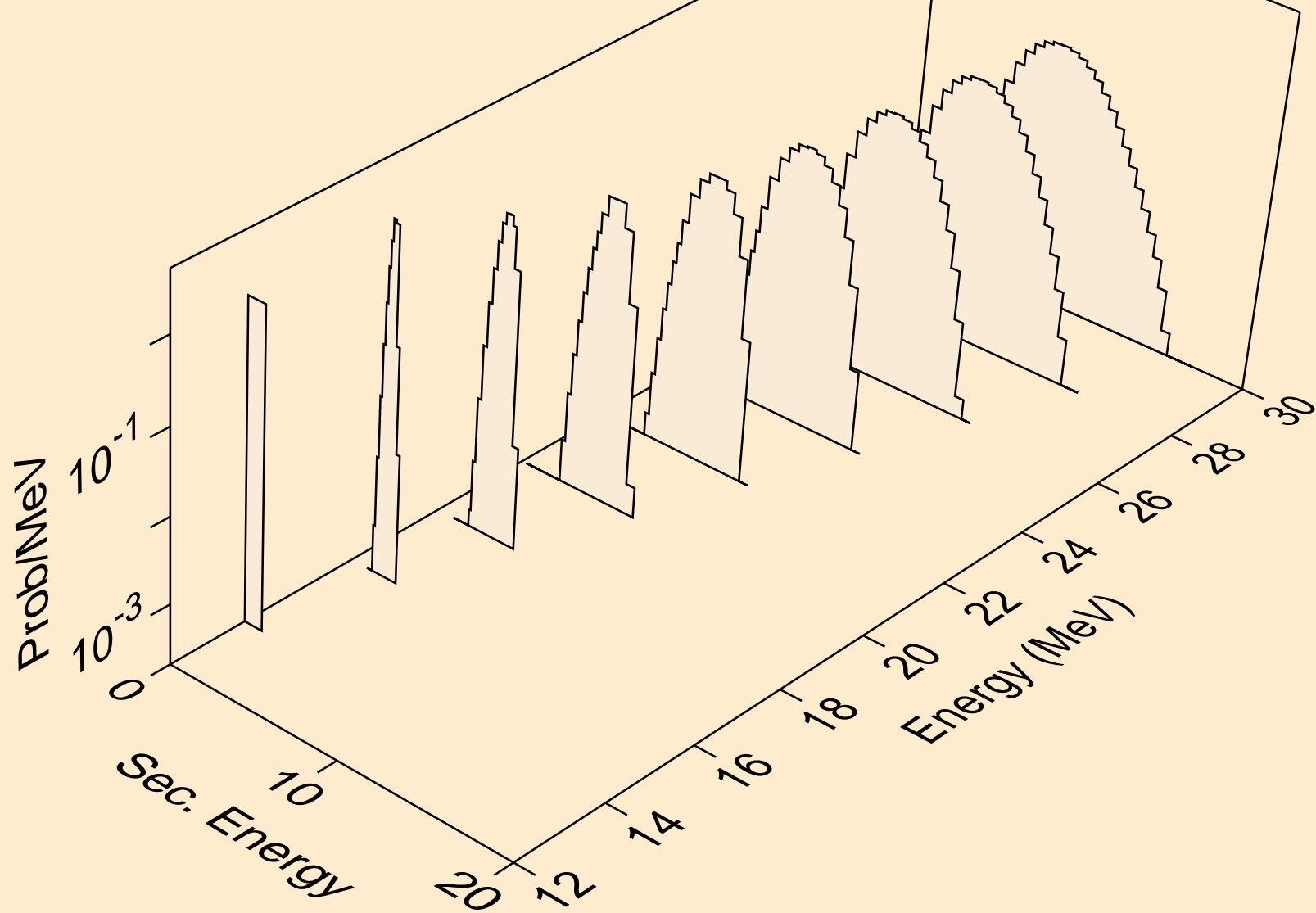
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



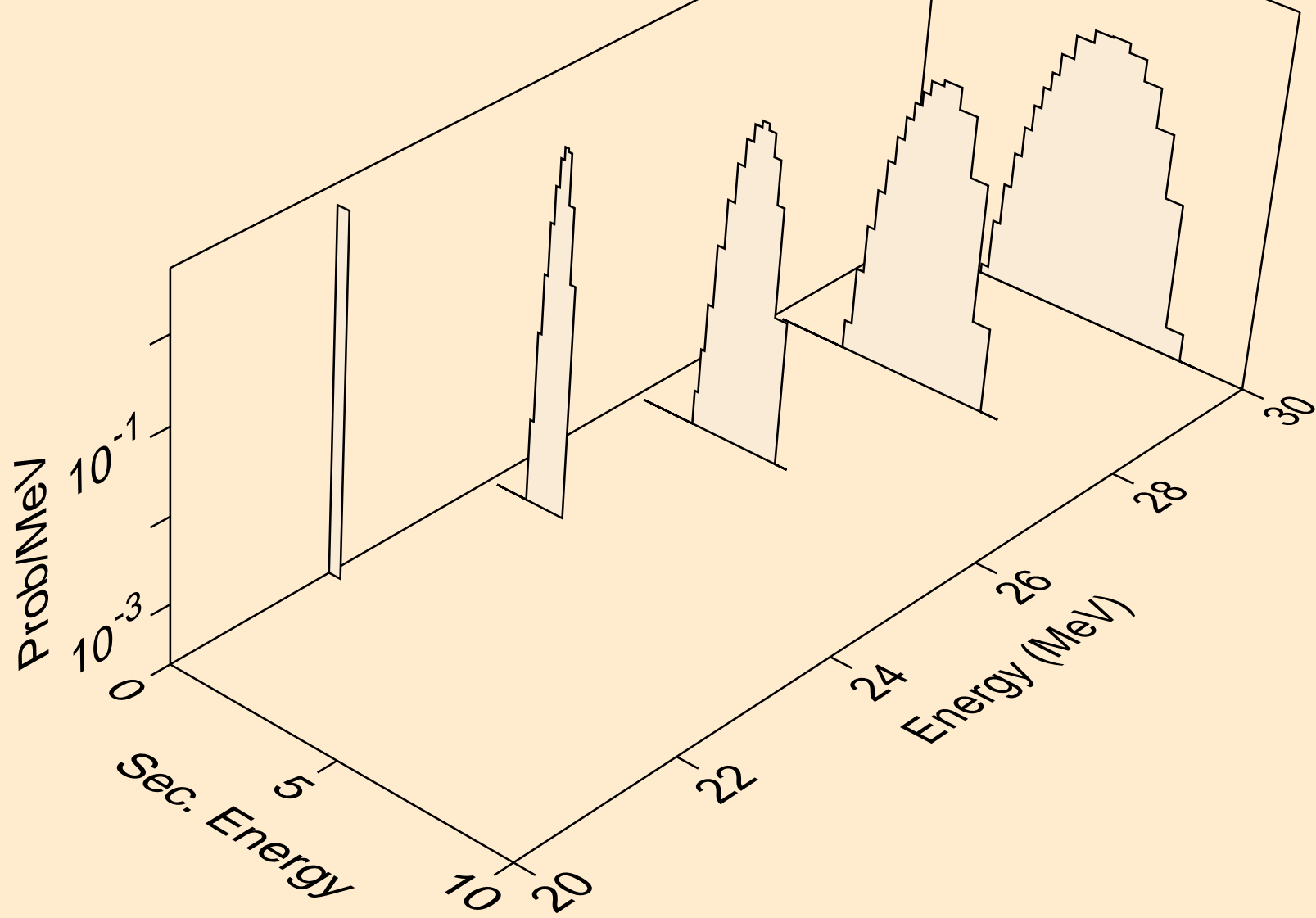
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

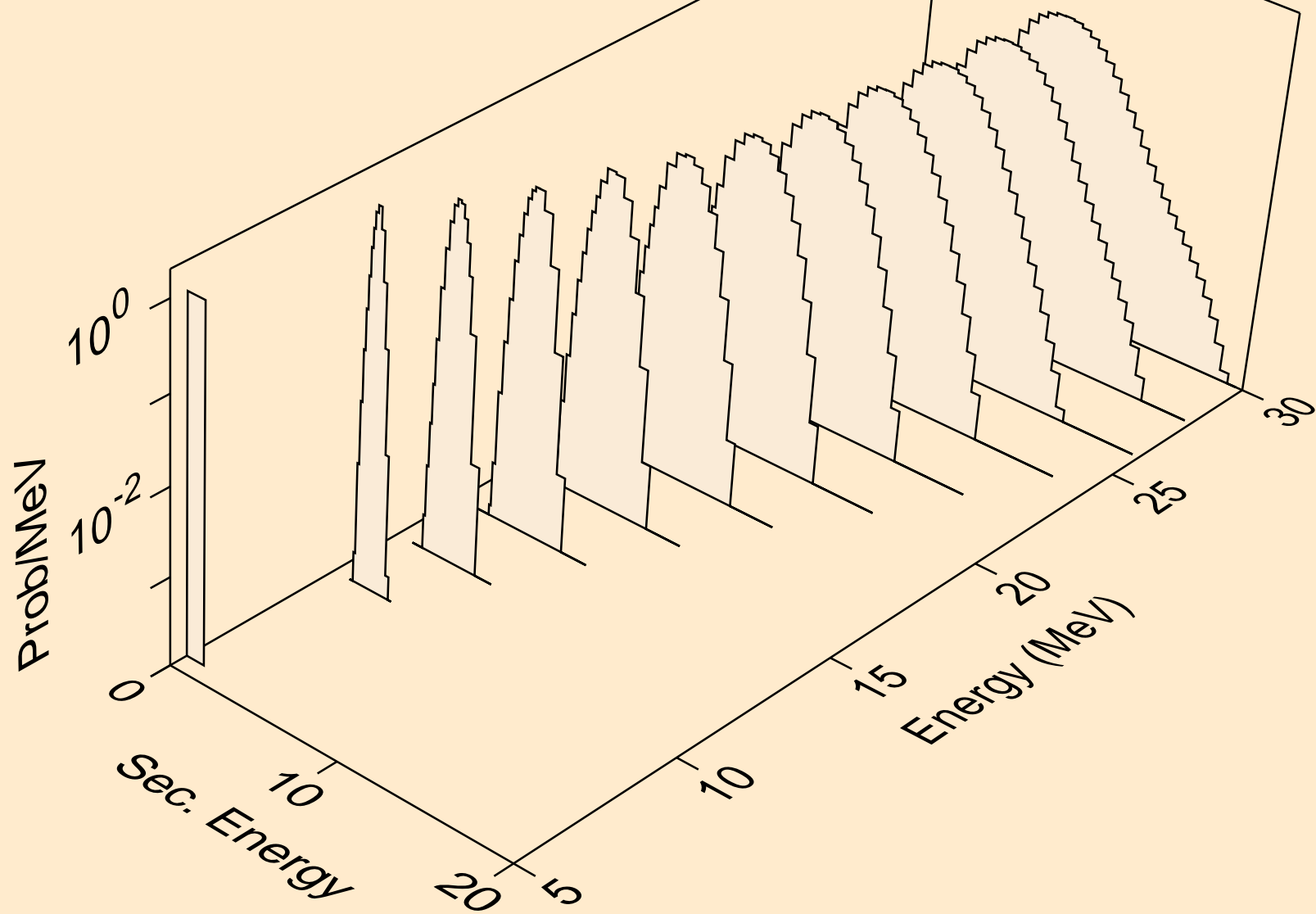


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protons from (n,3np)

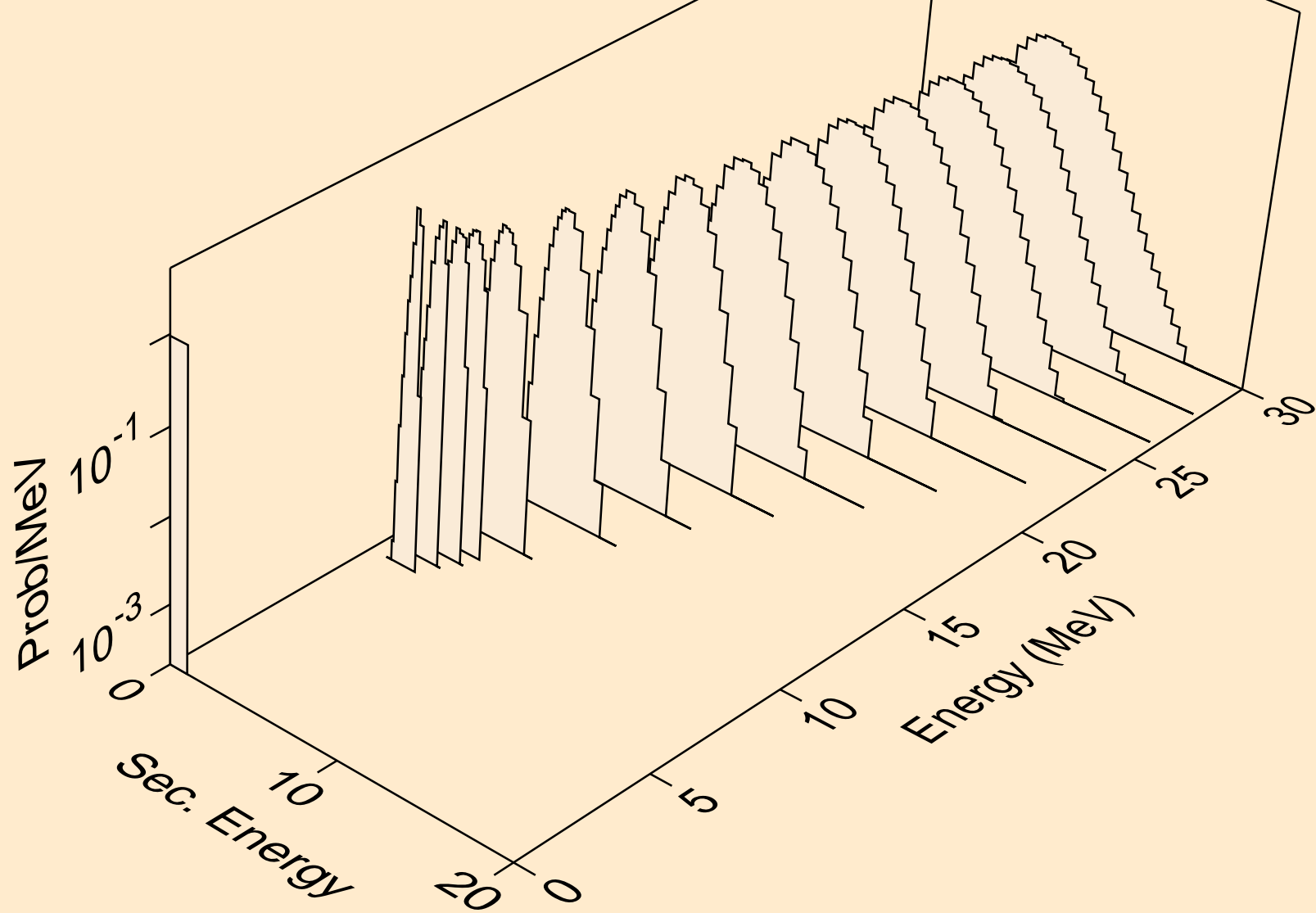




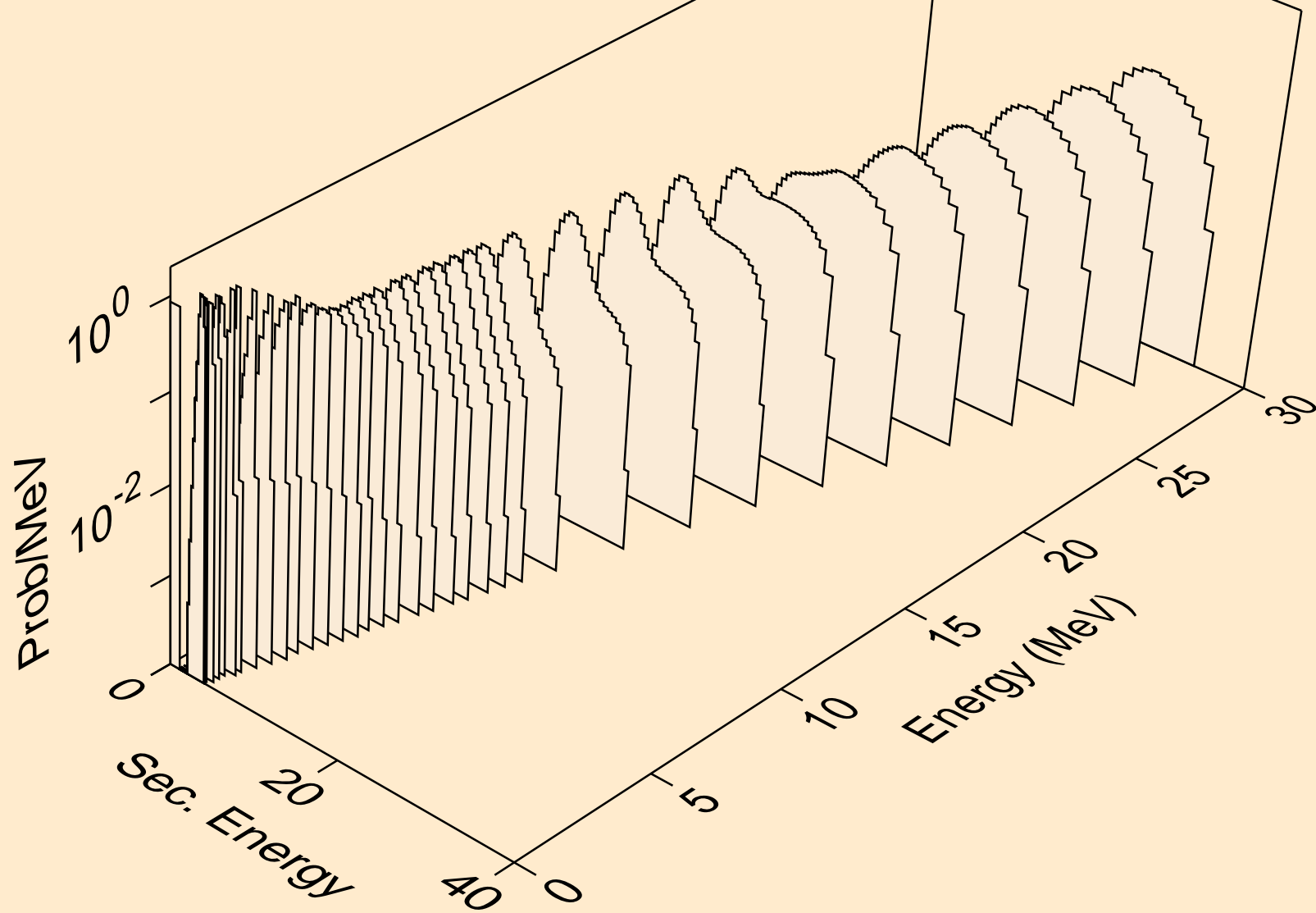
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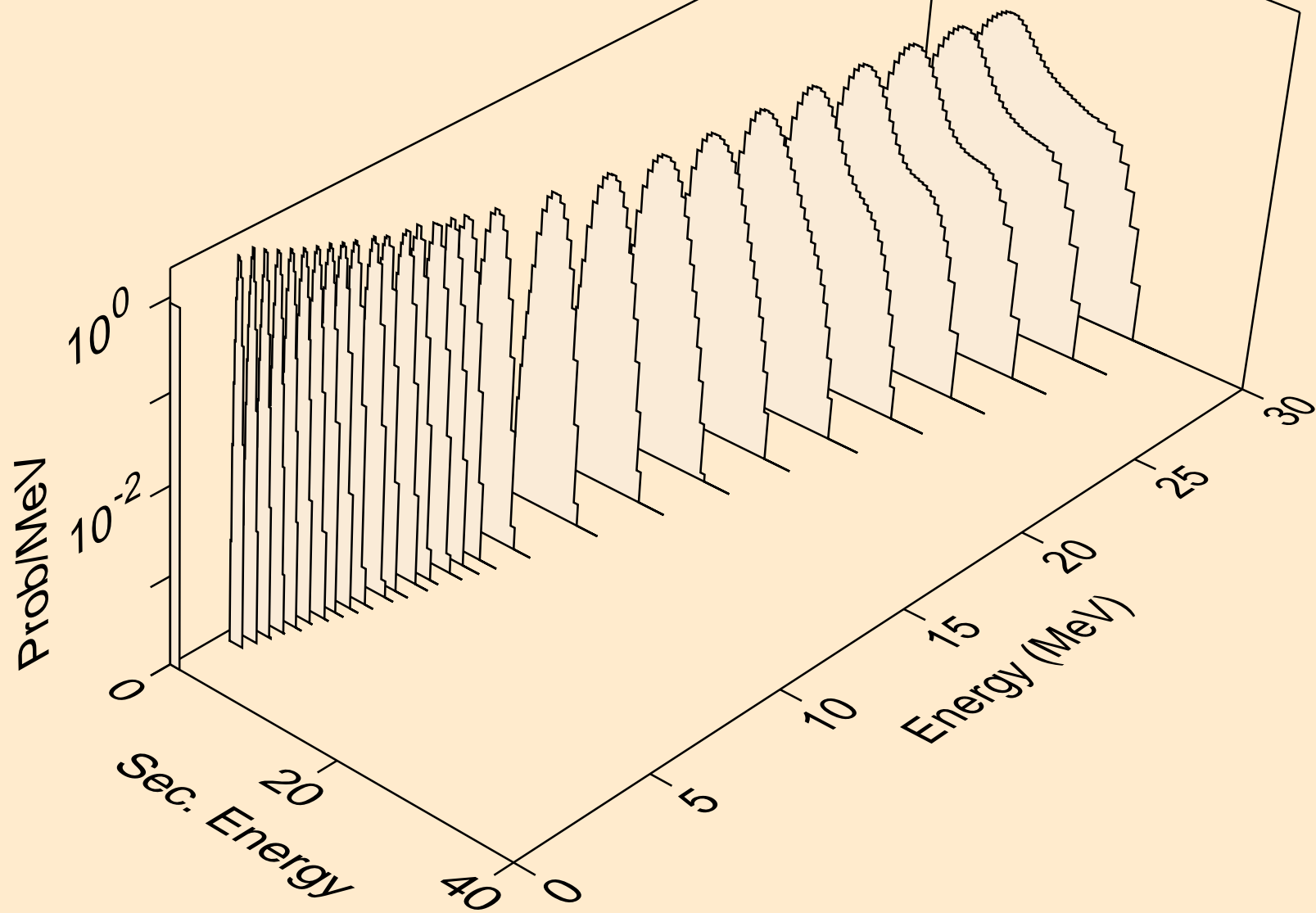
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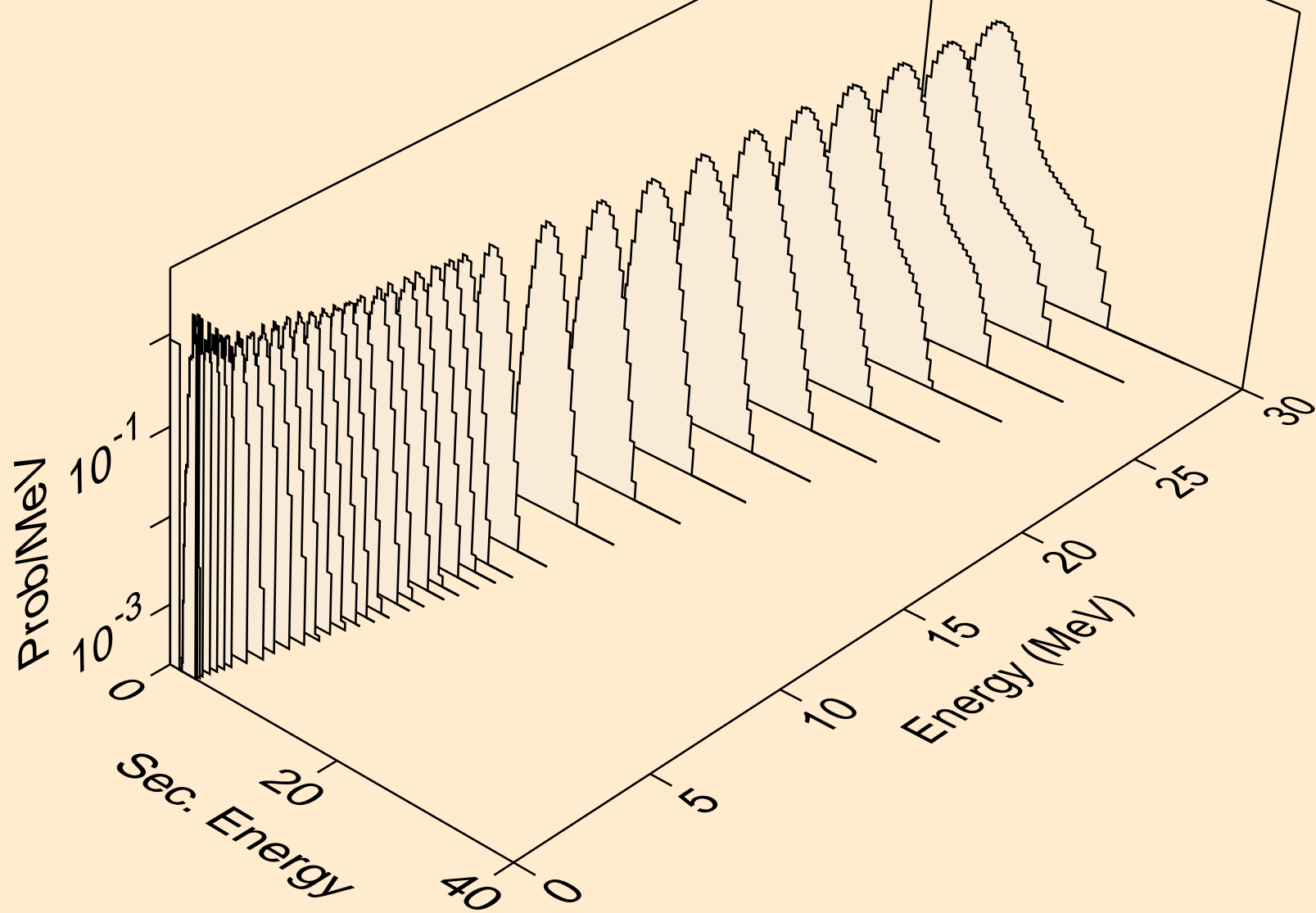
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protons from (n,p)



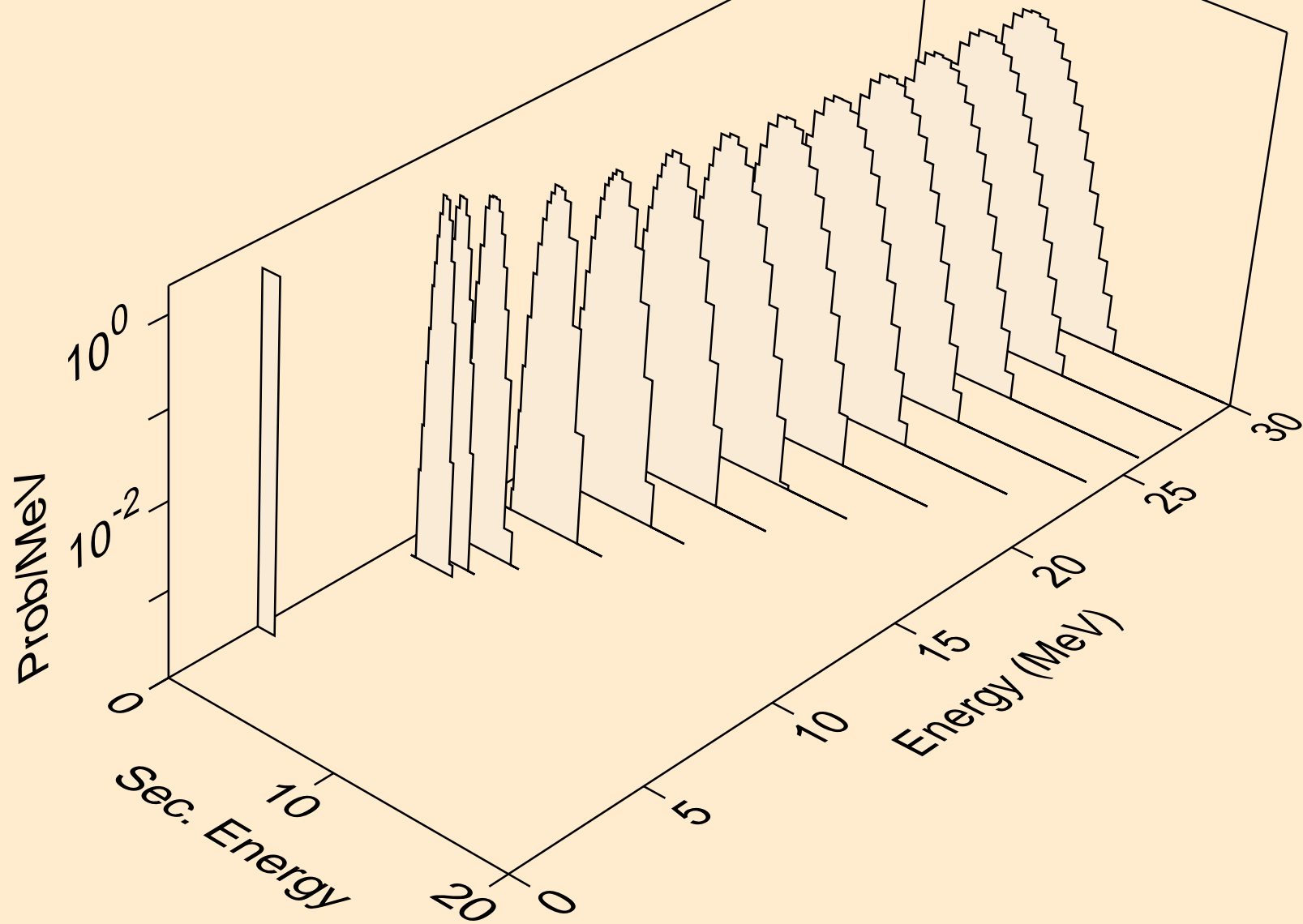
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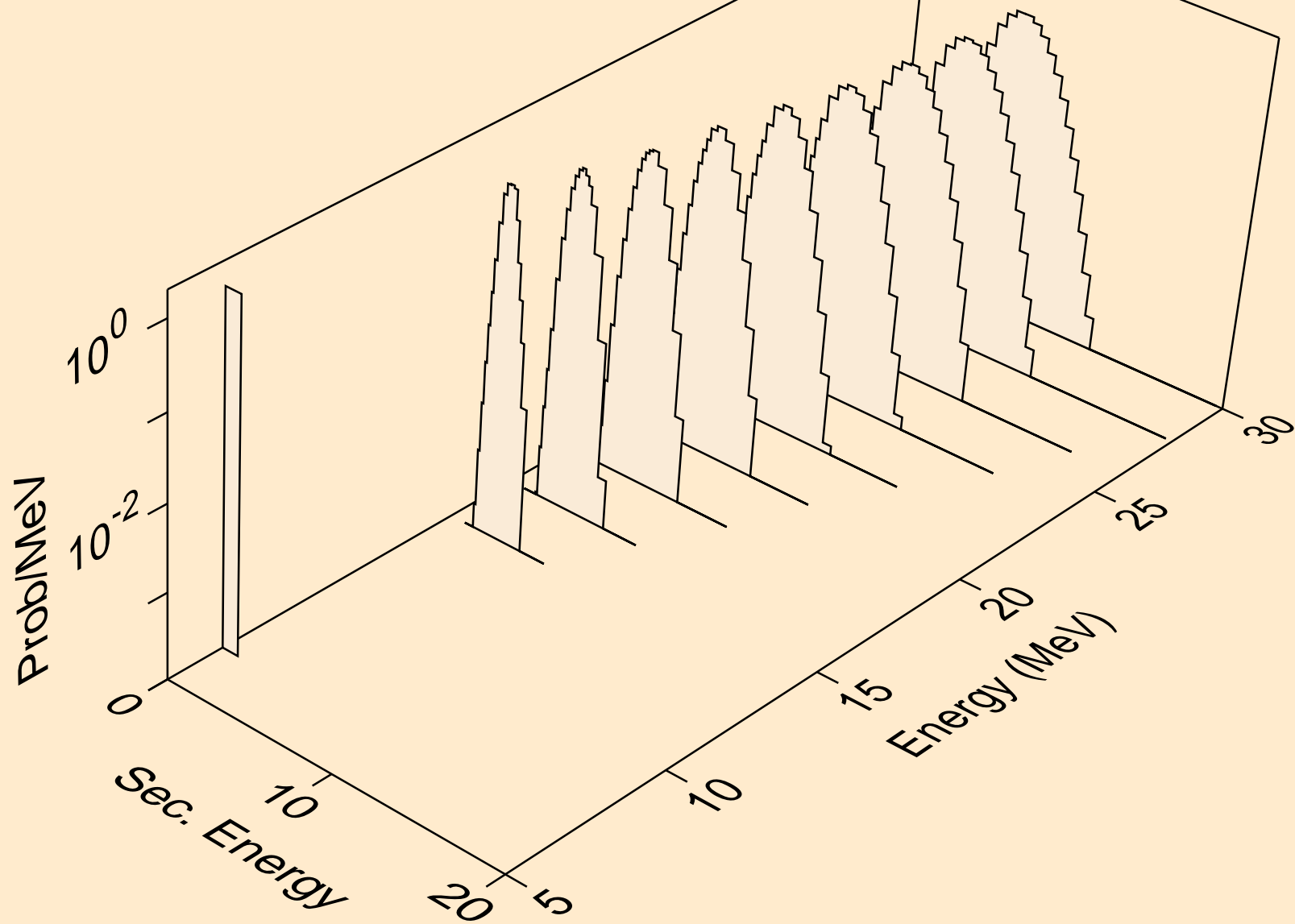
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protons from (n,p)



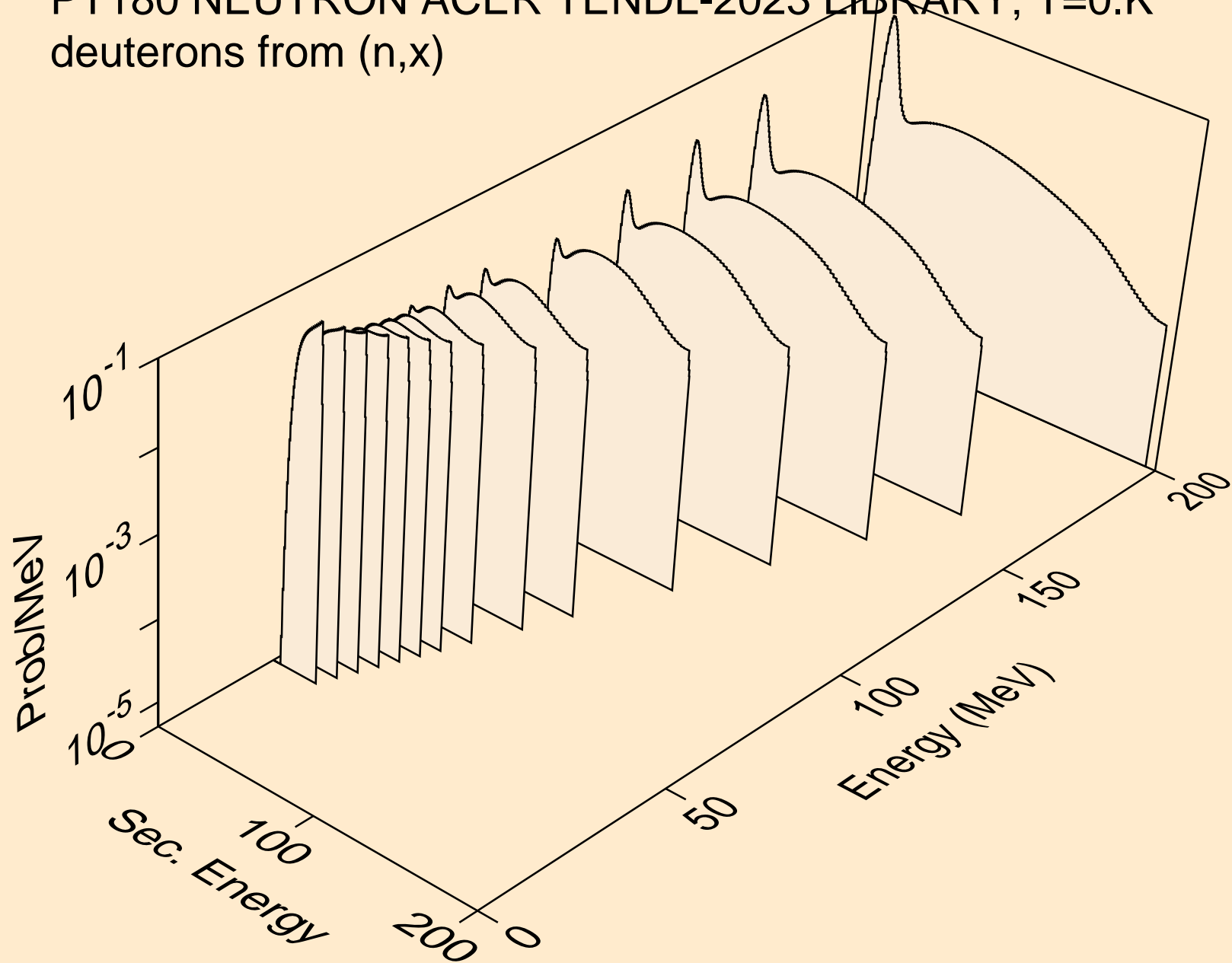
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

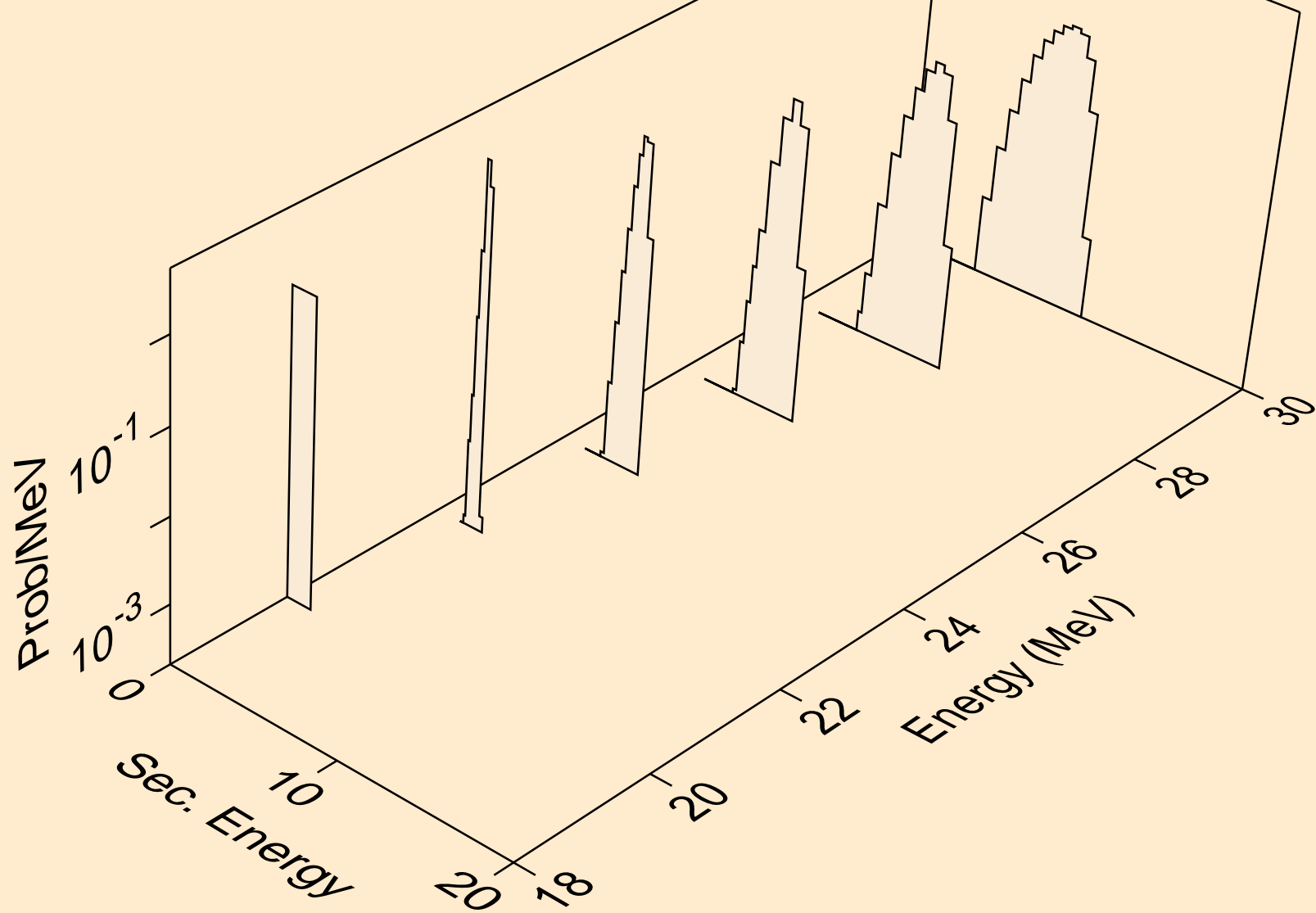


PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

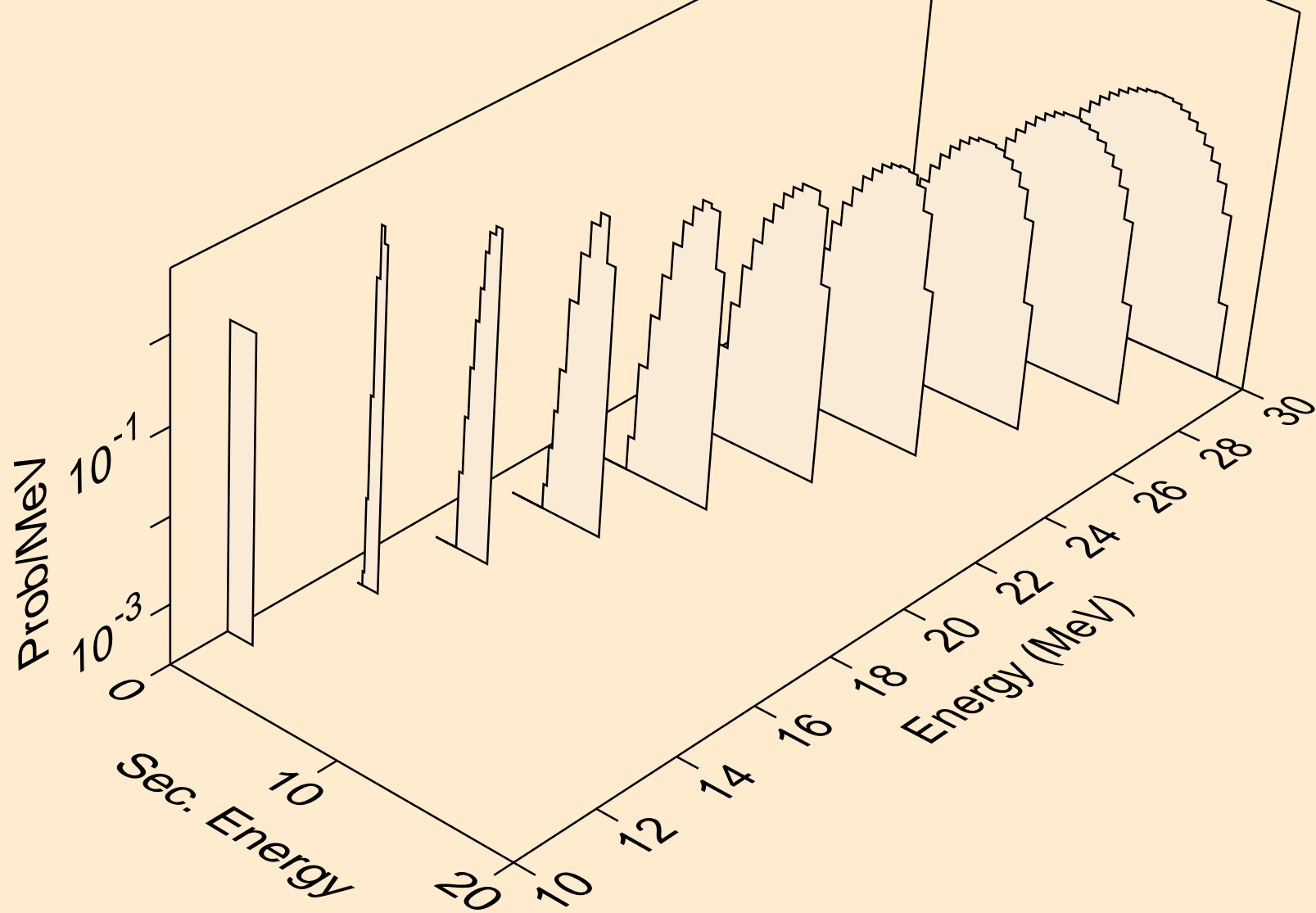




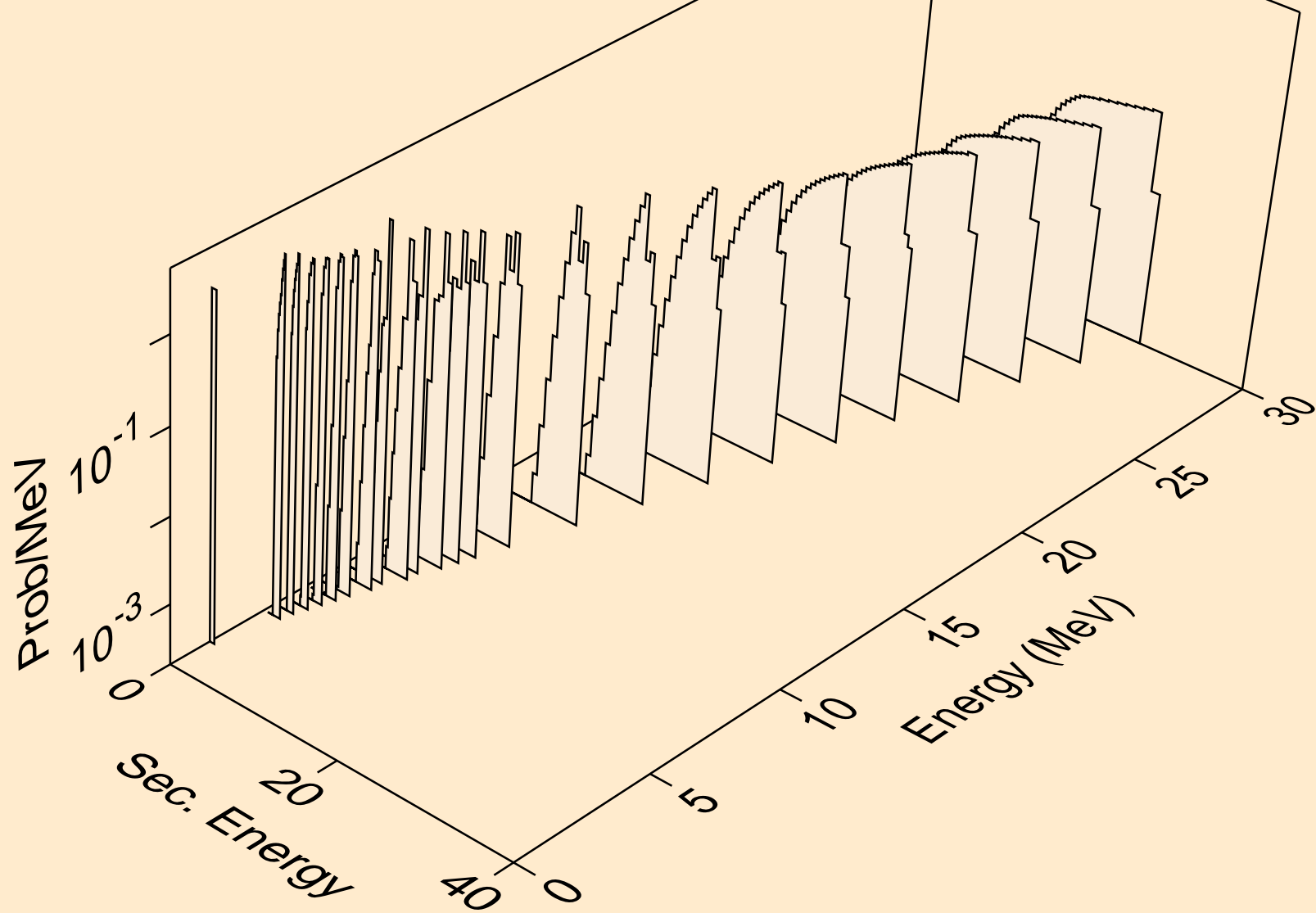
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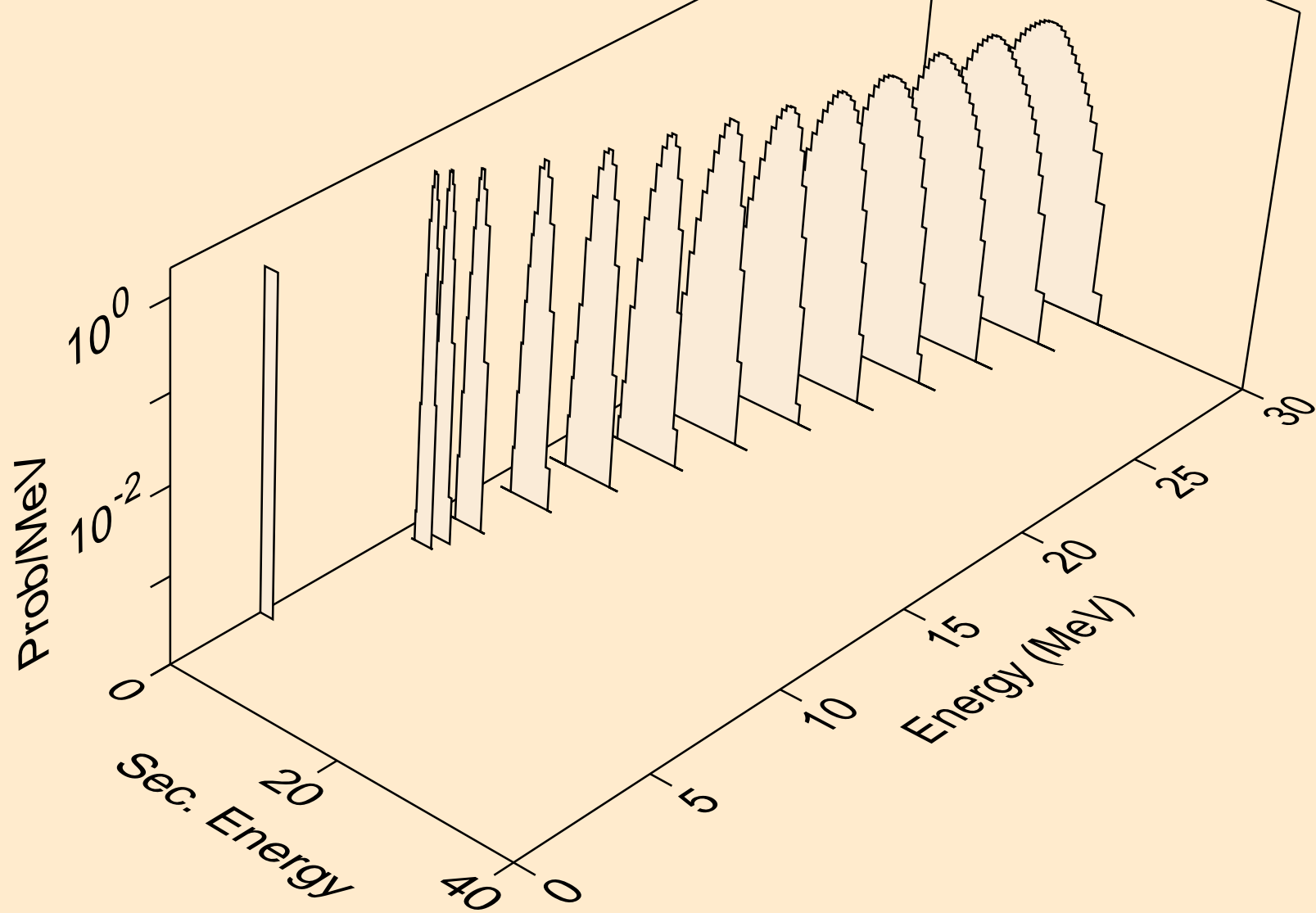
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deuterons from (n,n\*)d



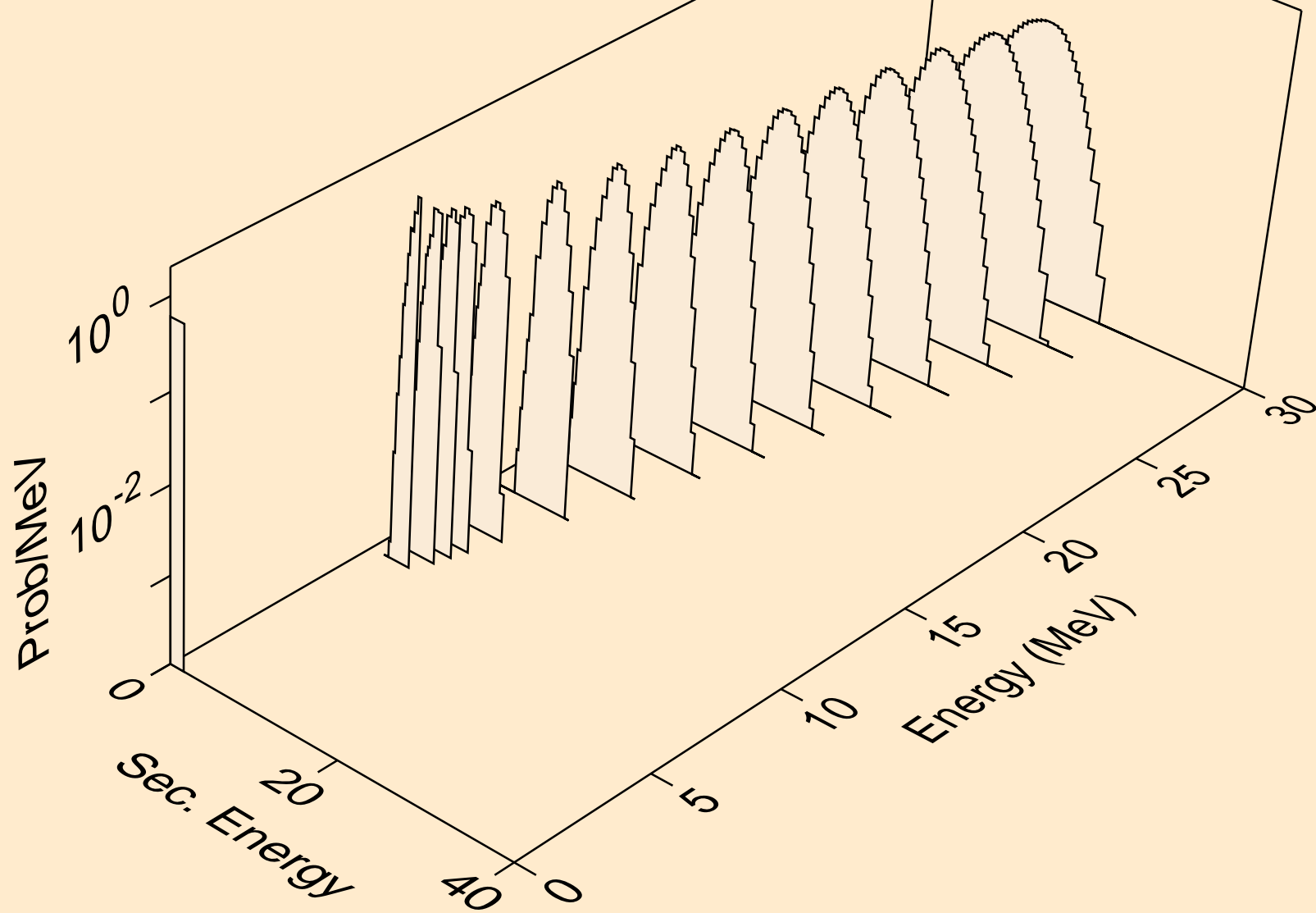
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deuterons from (n,d)



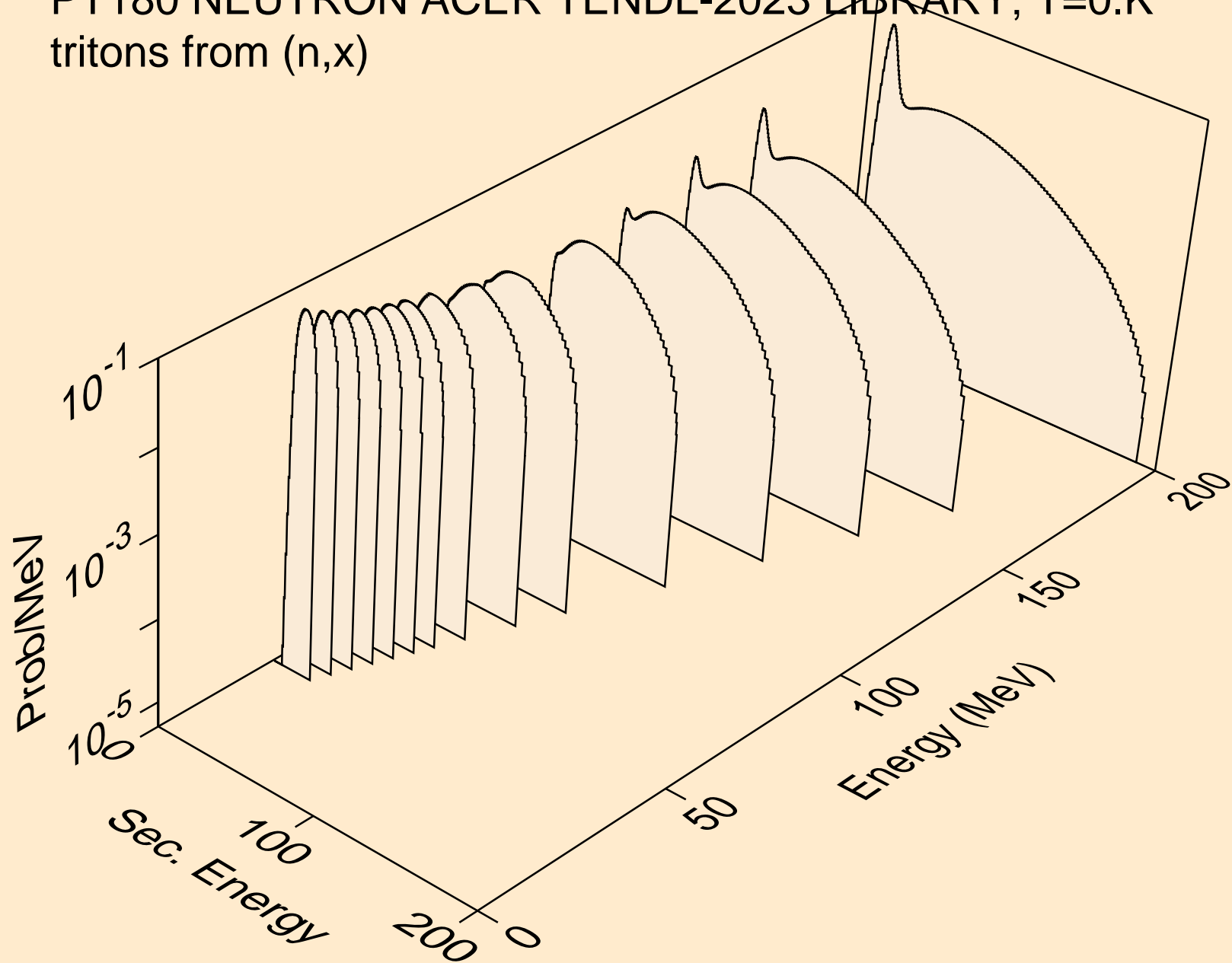
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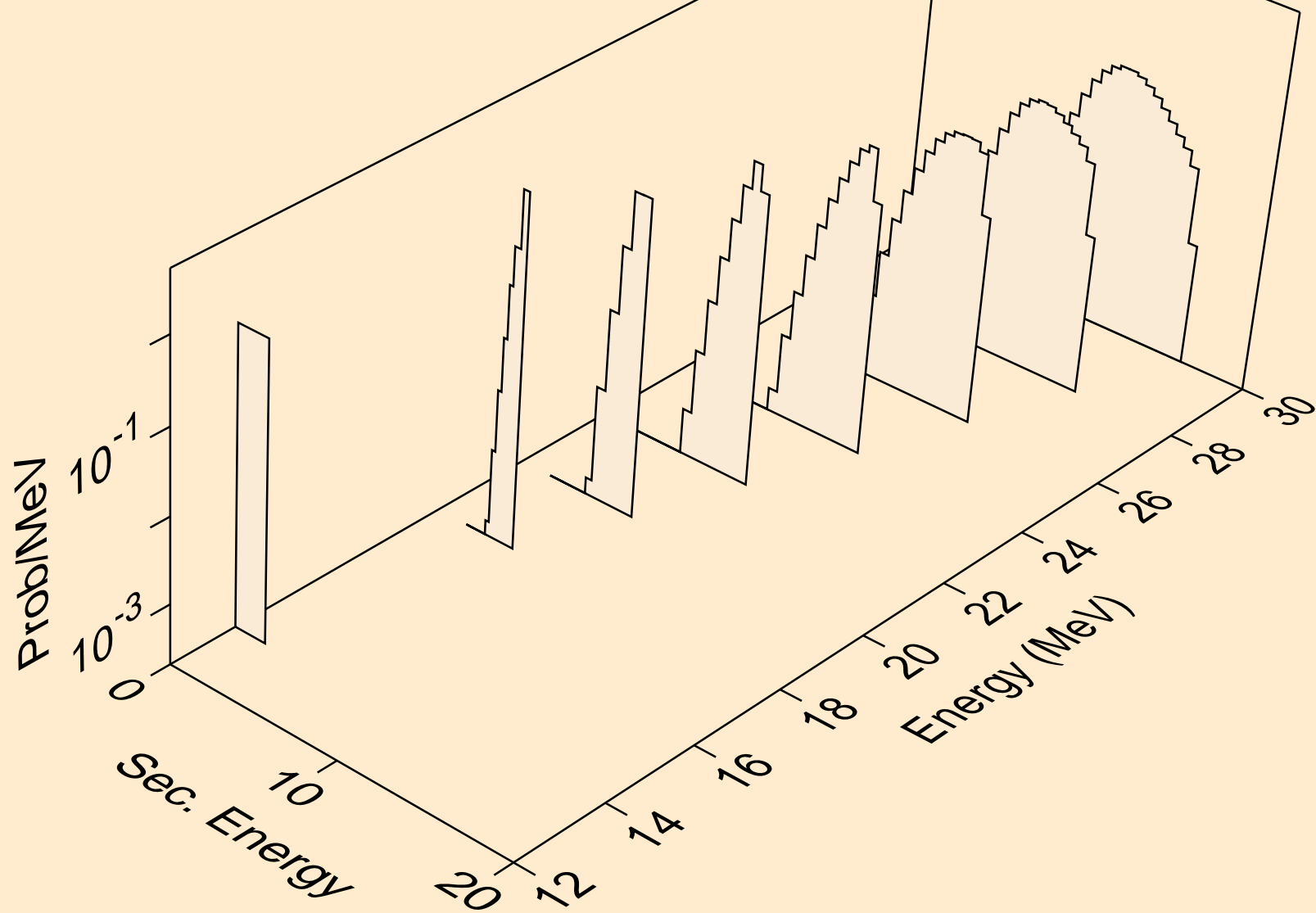
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deuterons from (n,da)



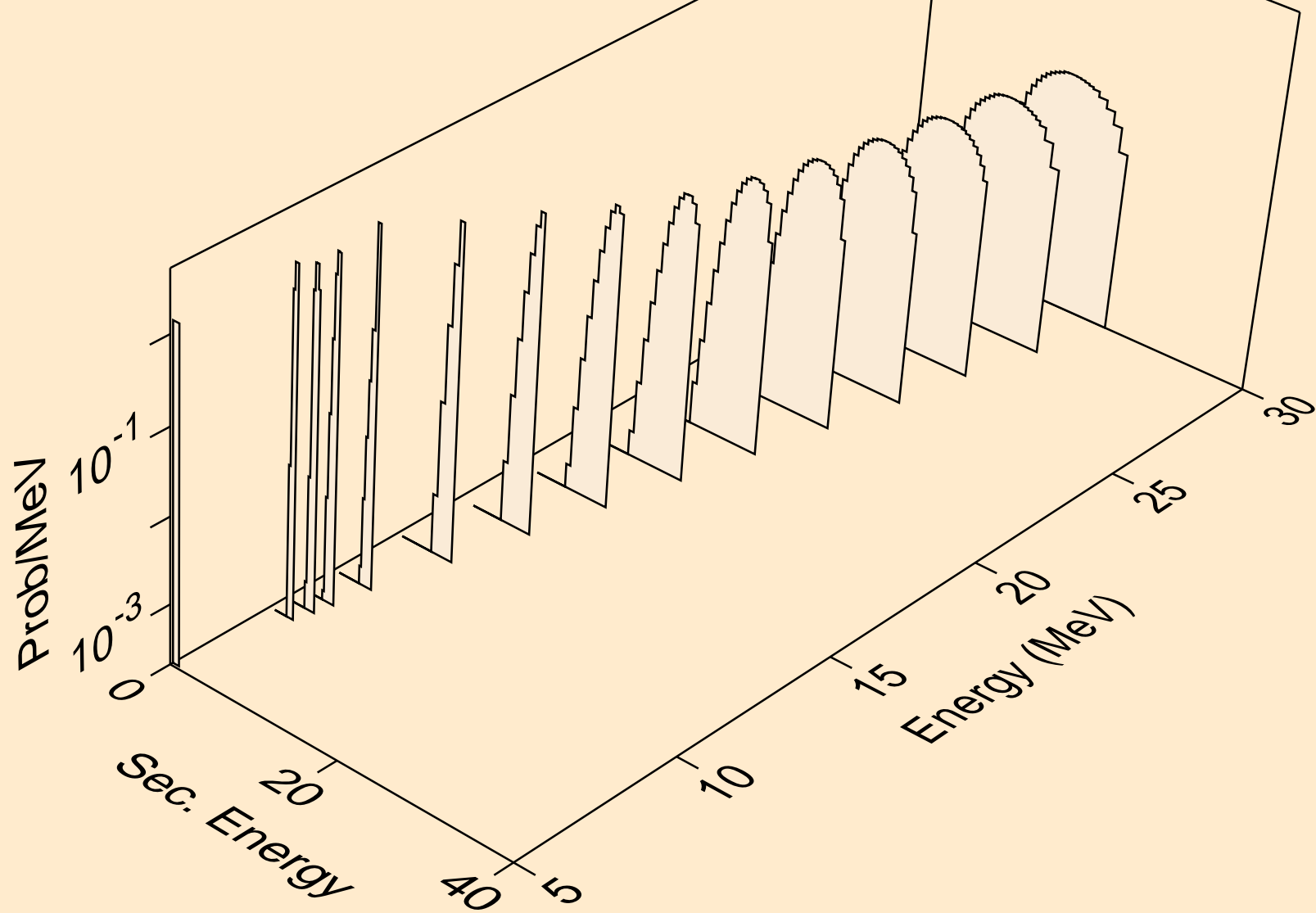
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

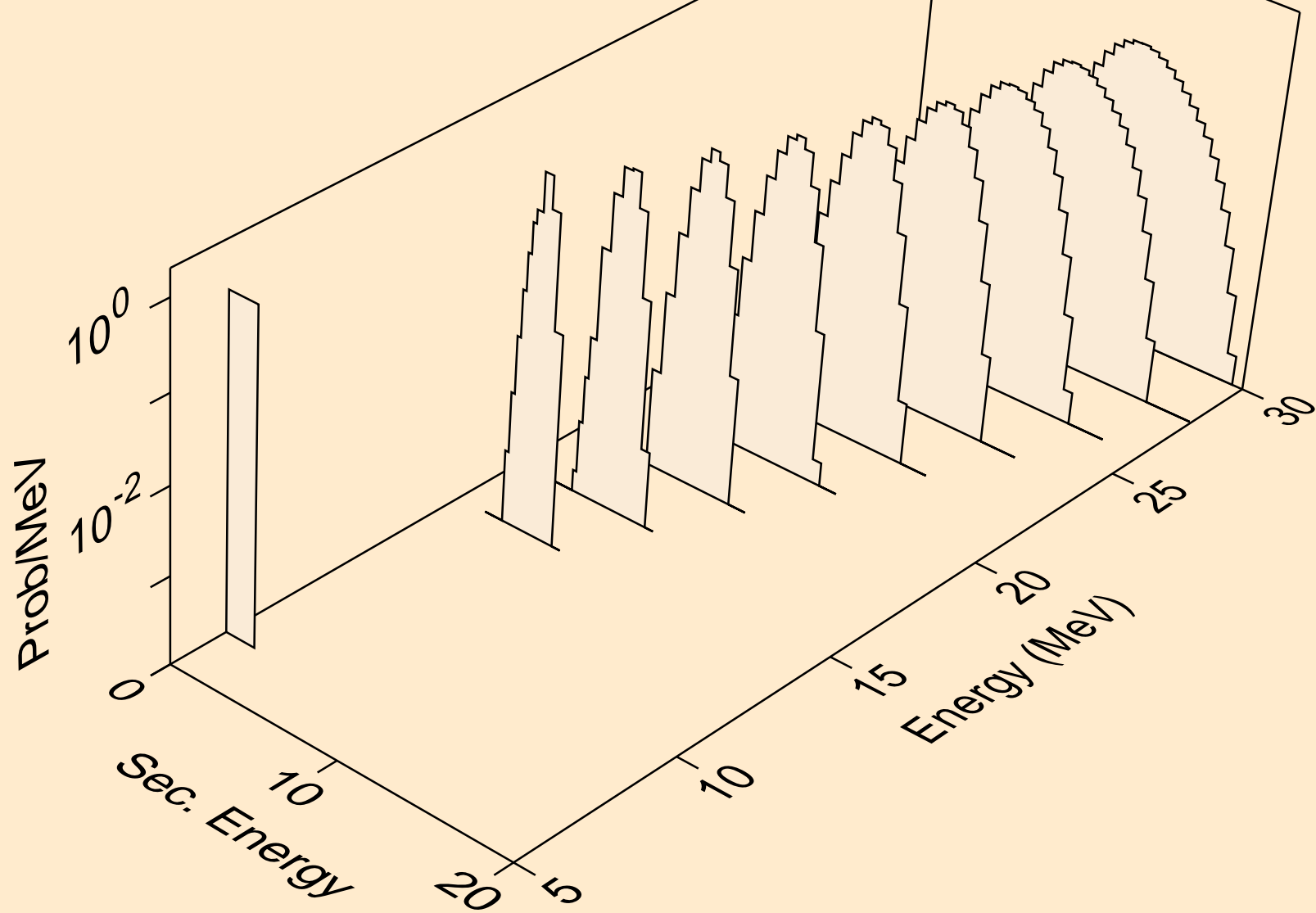


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tritons from (n,t)

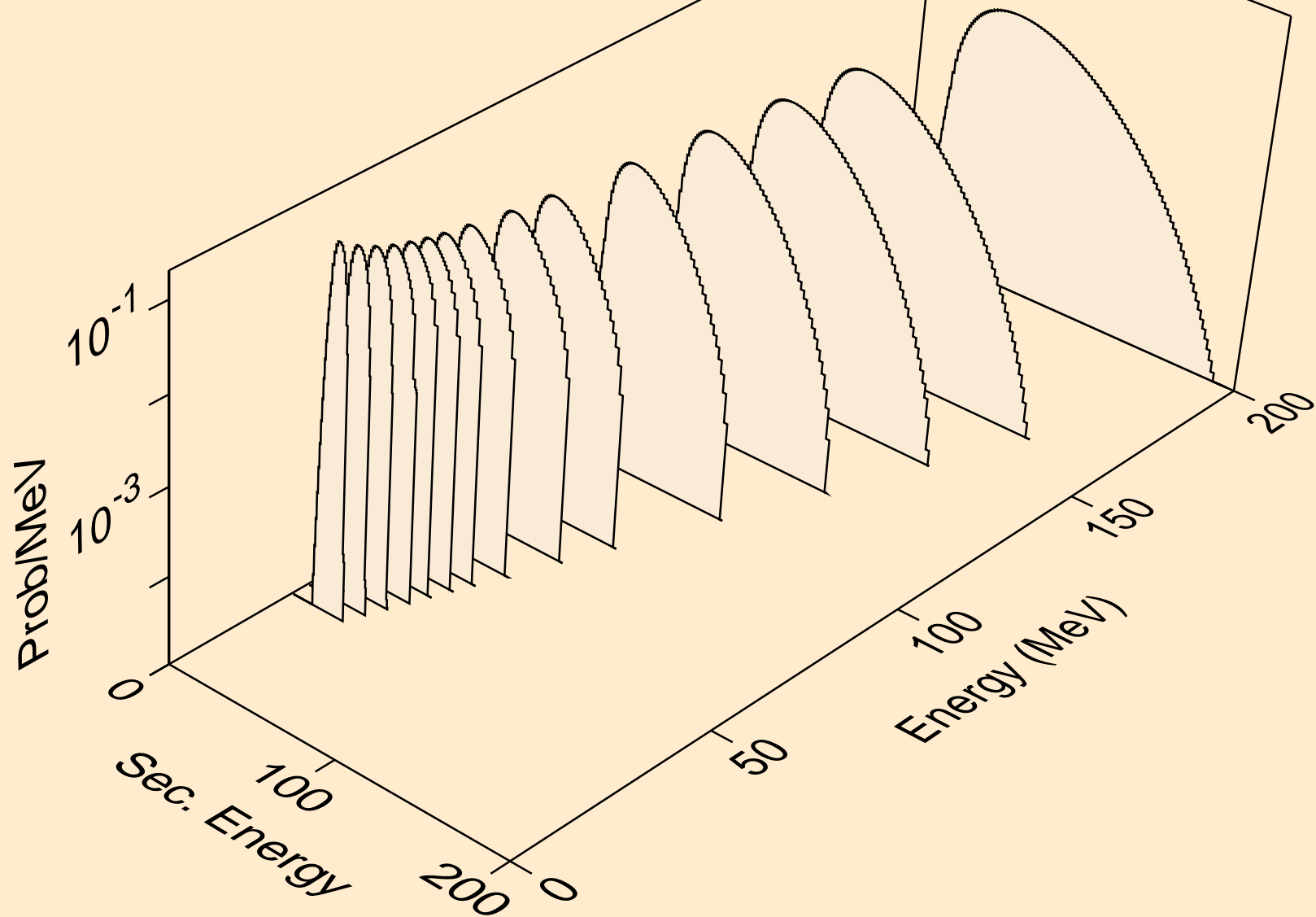




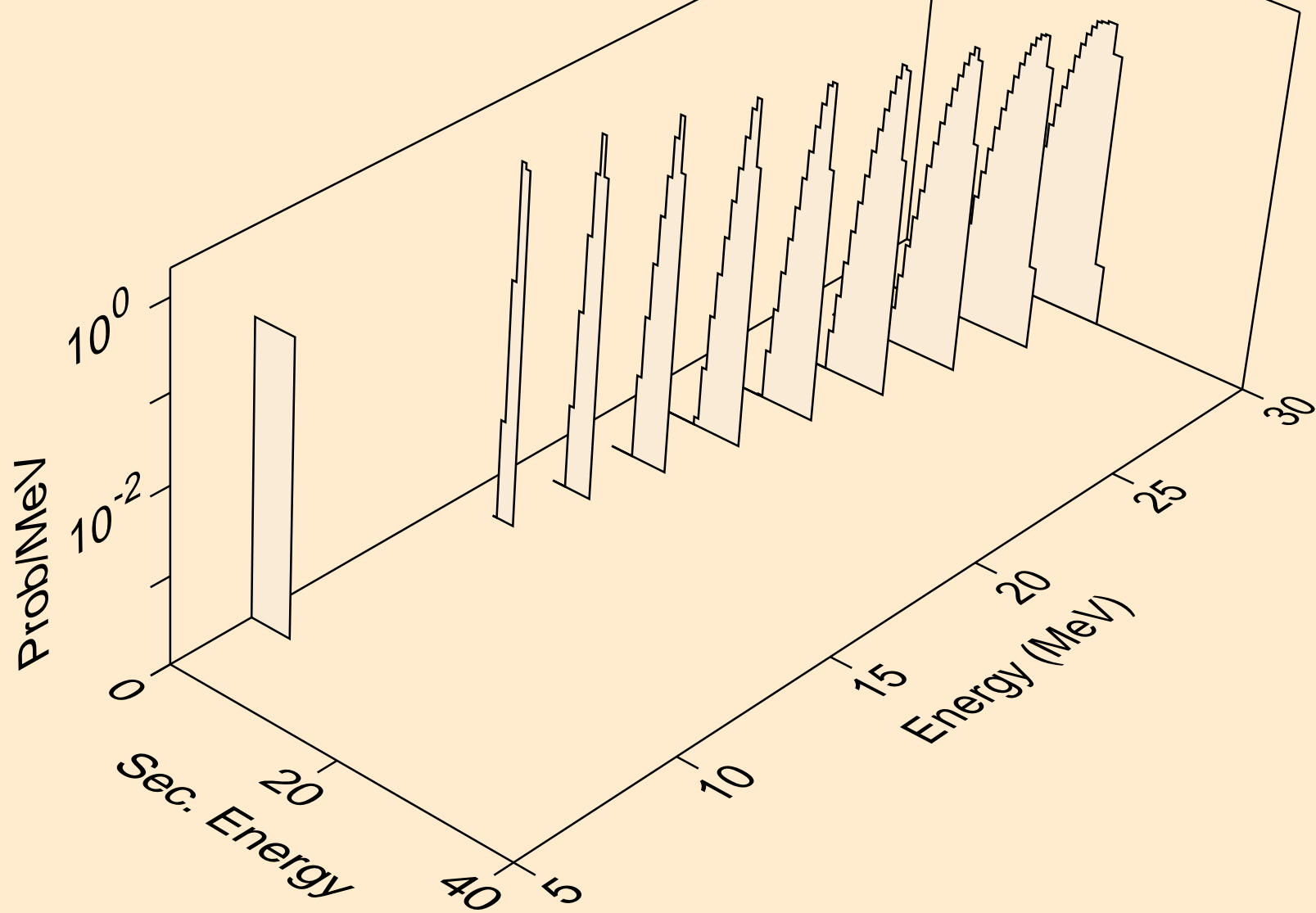
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tritons from (n,pt)



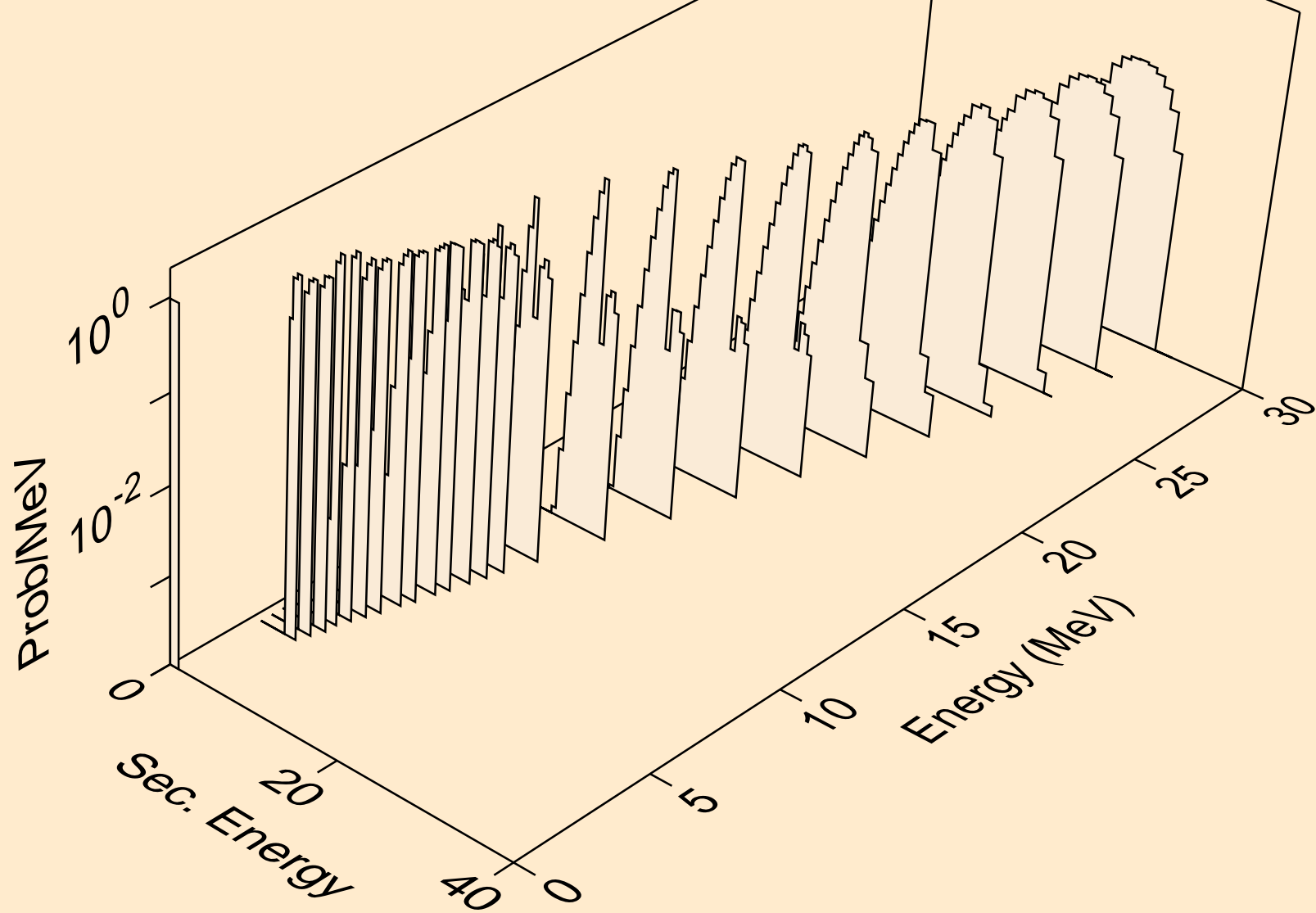
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he3s from (n,x)



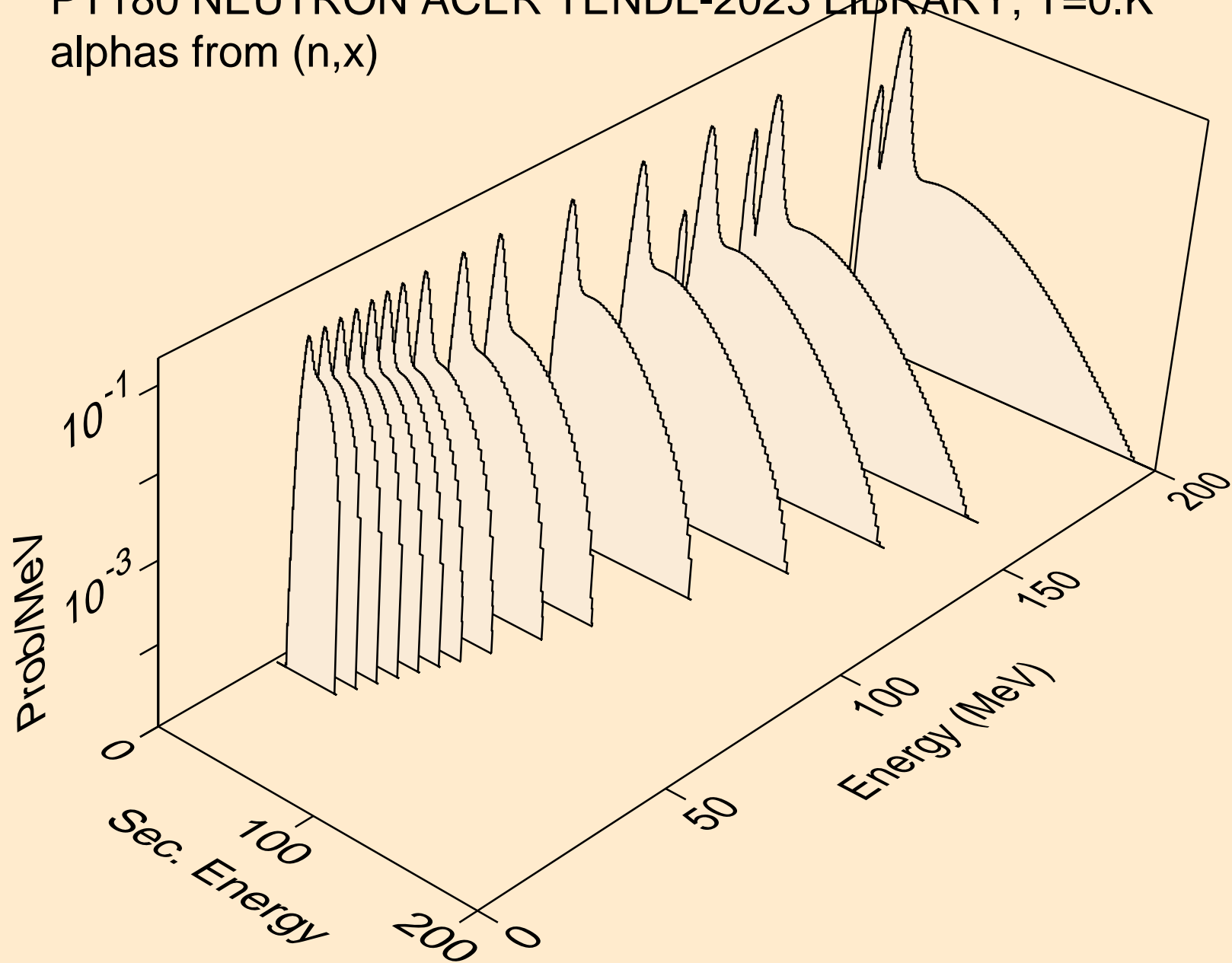
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he3s from (n,n\*)he3



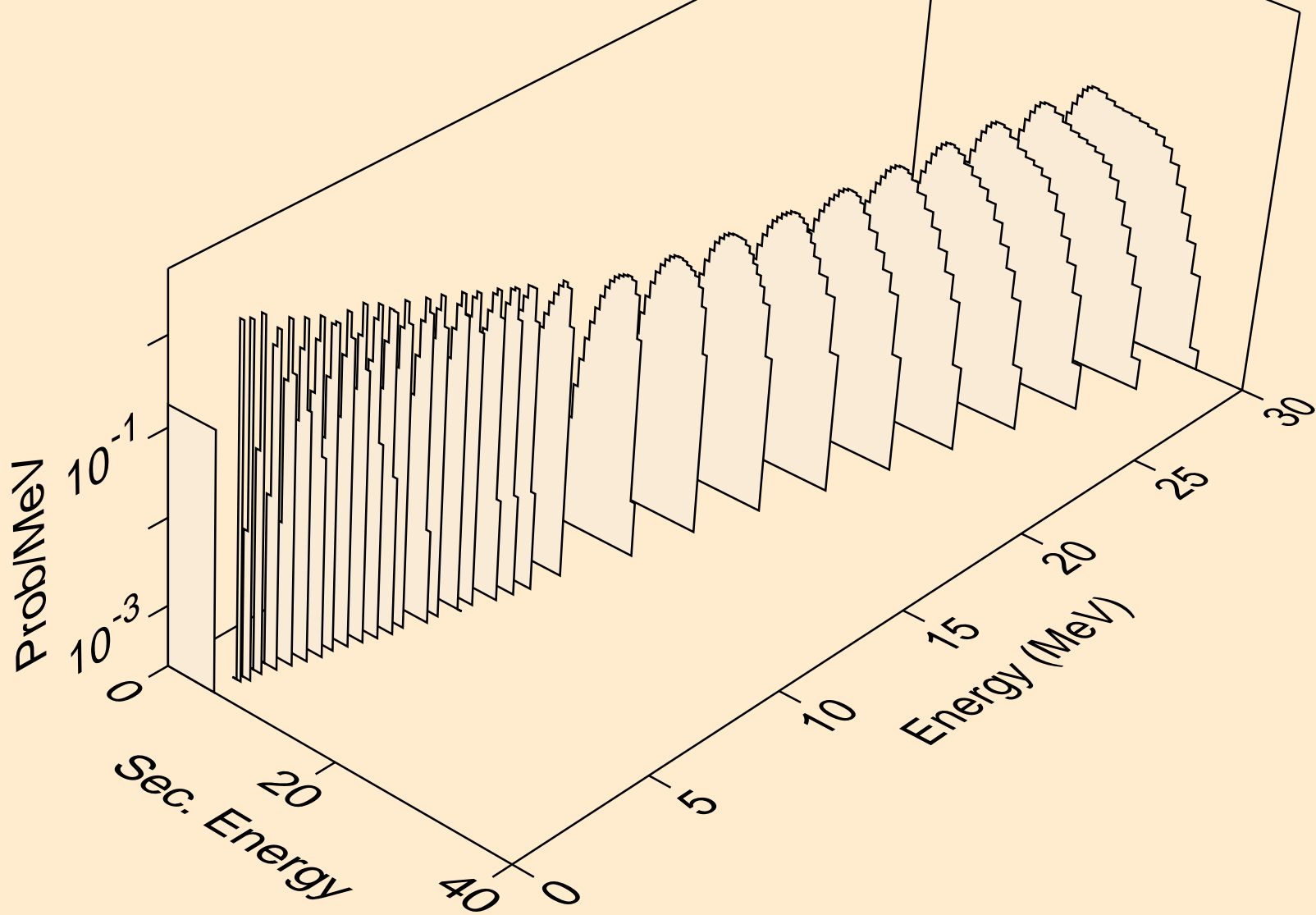
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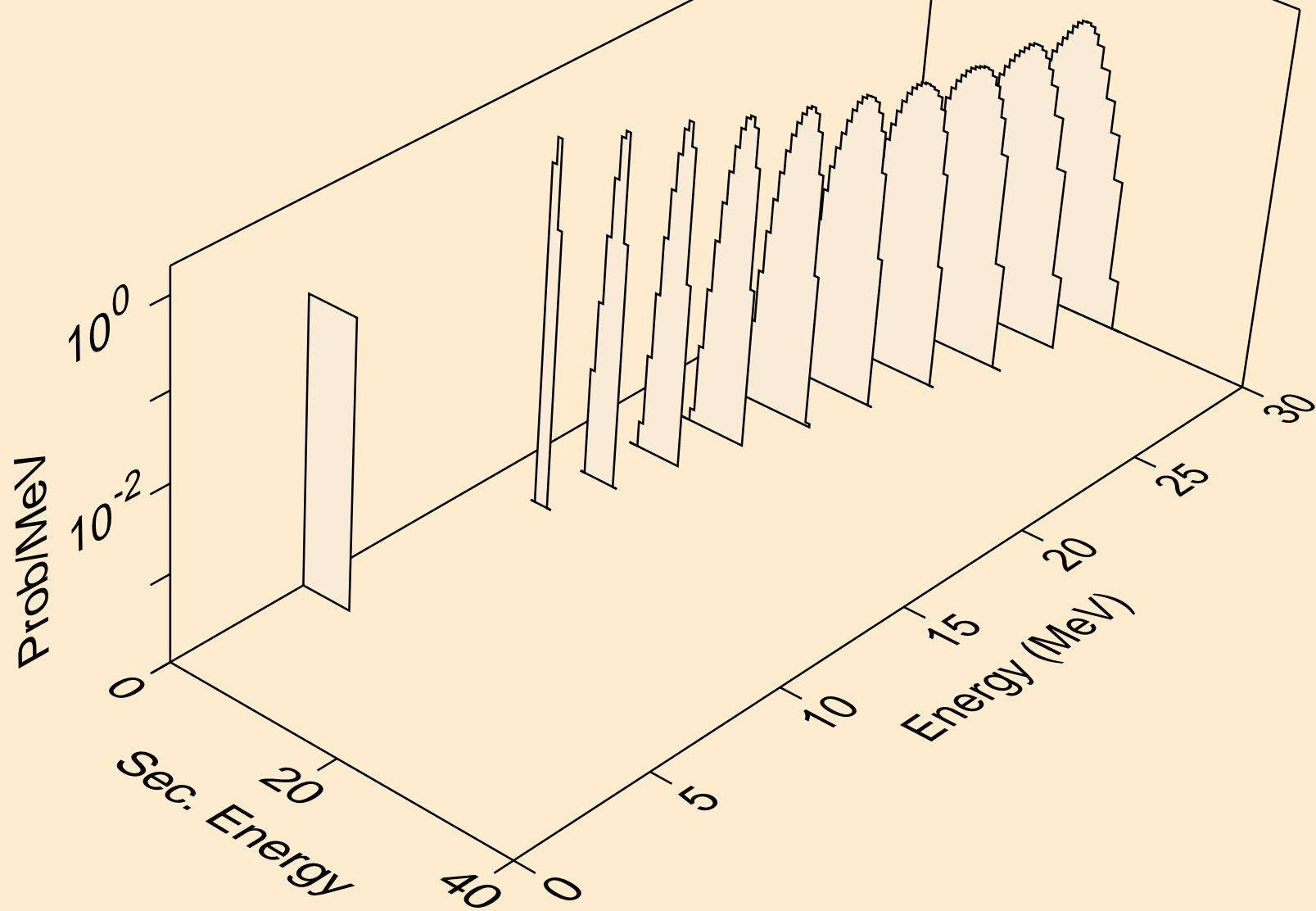
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



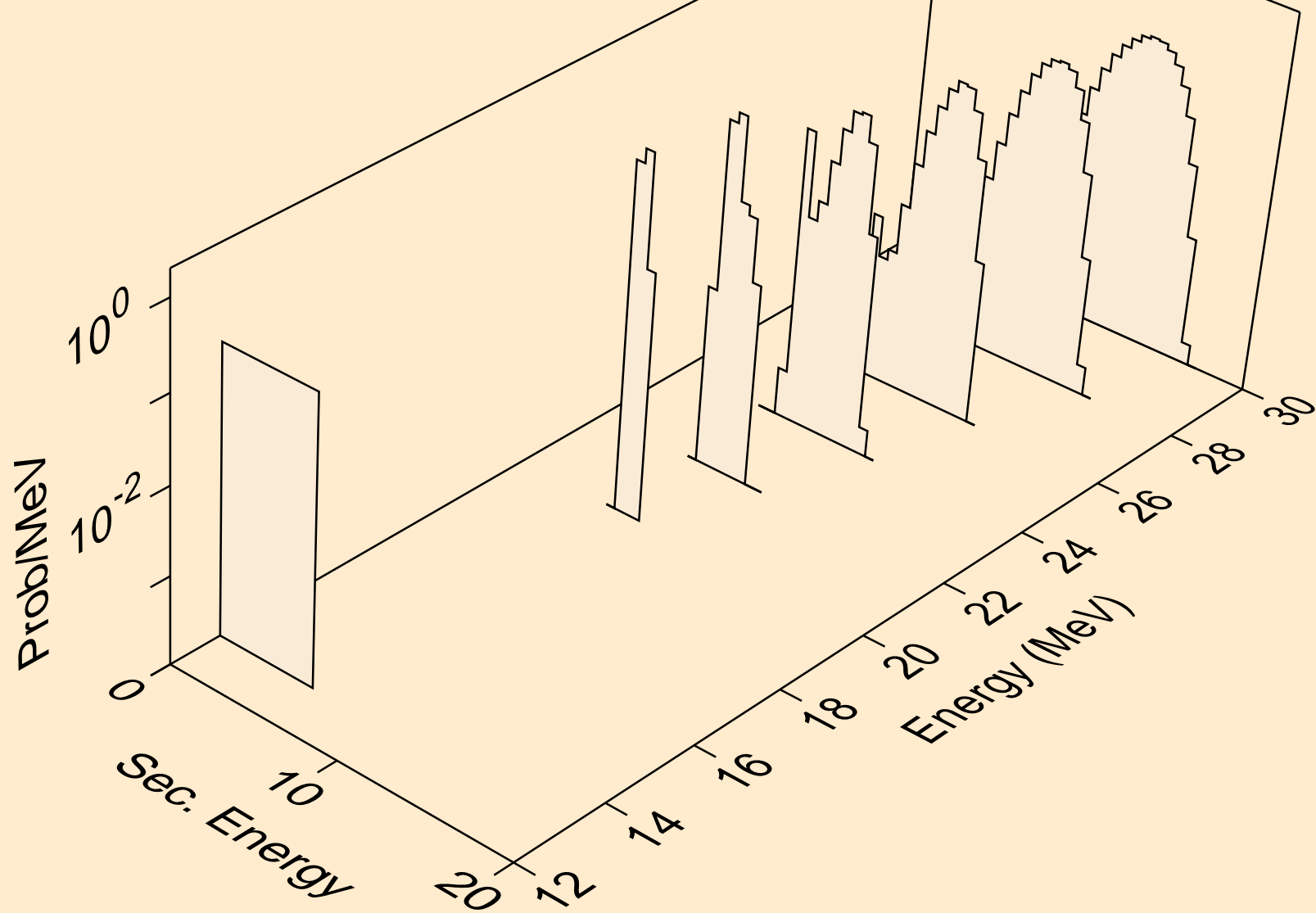
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

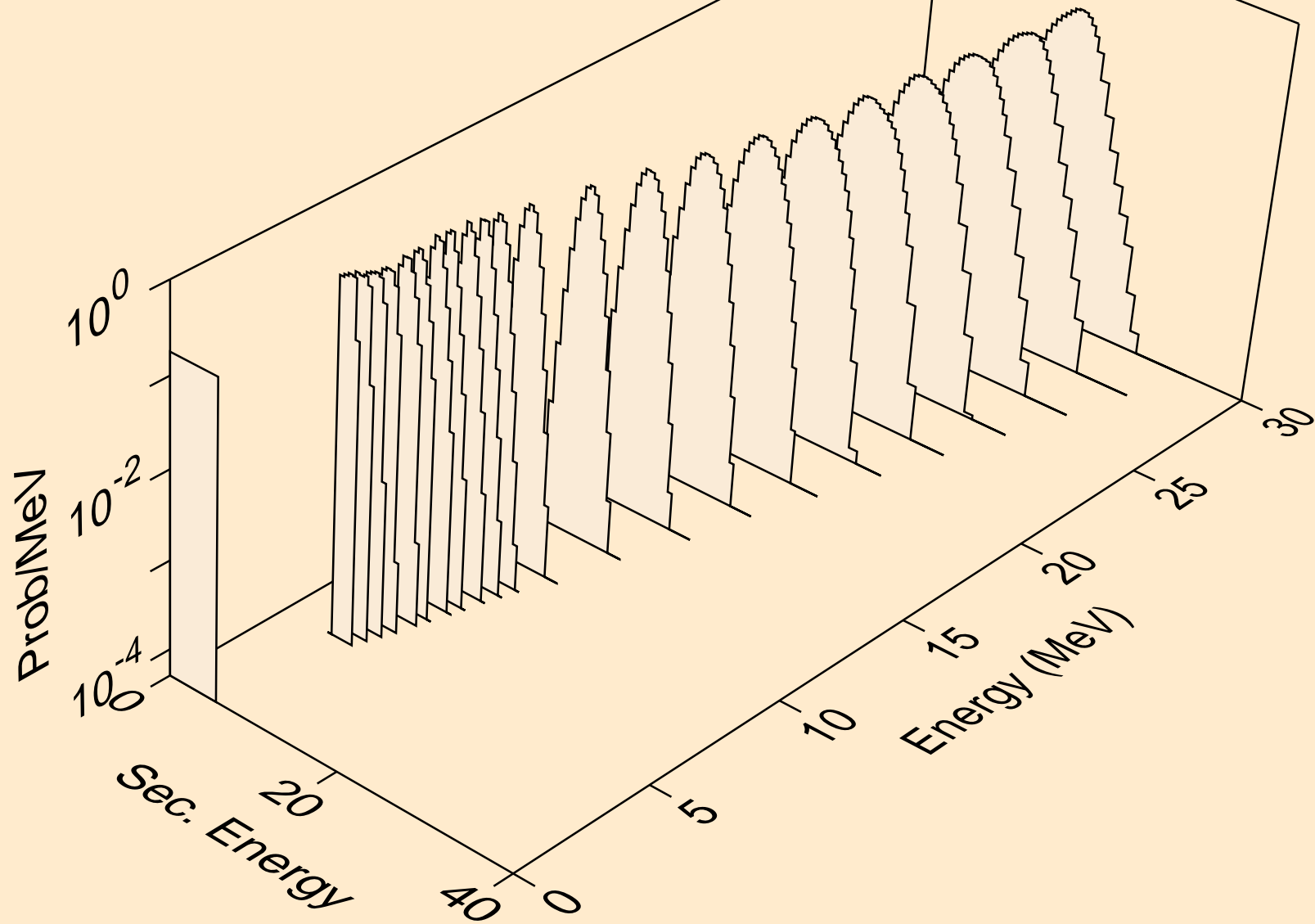


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alphas from (n,3n)a

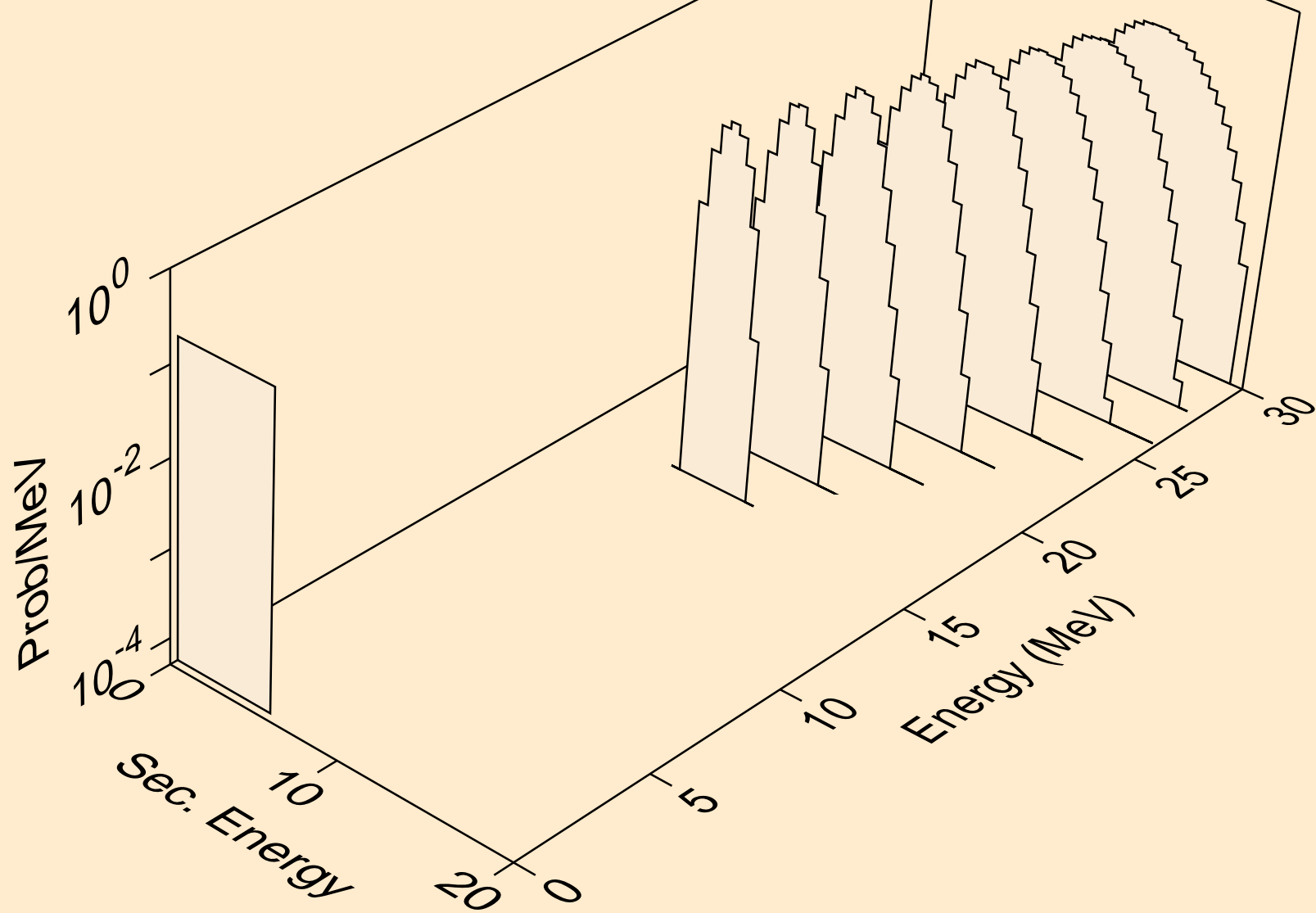




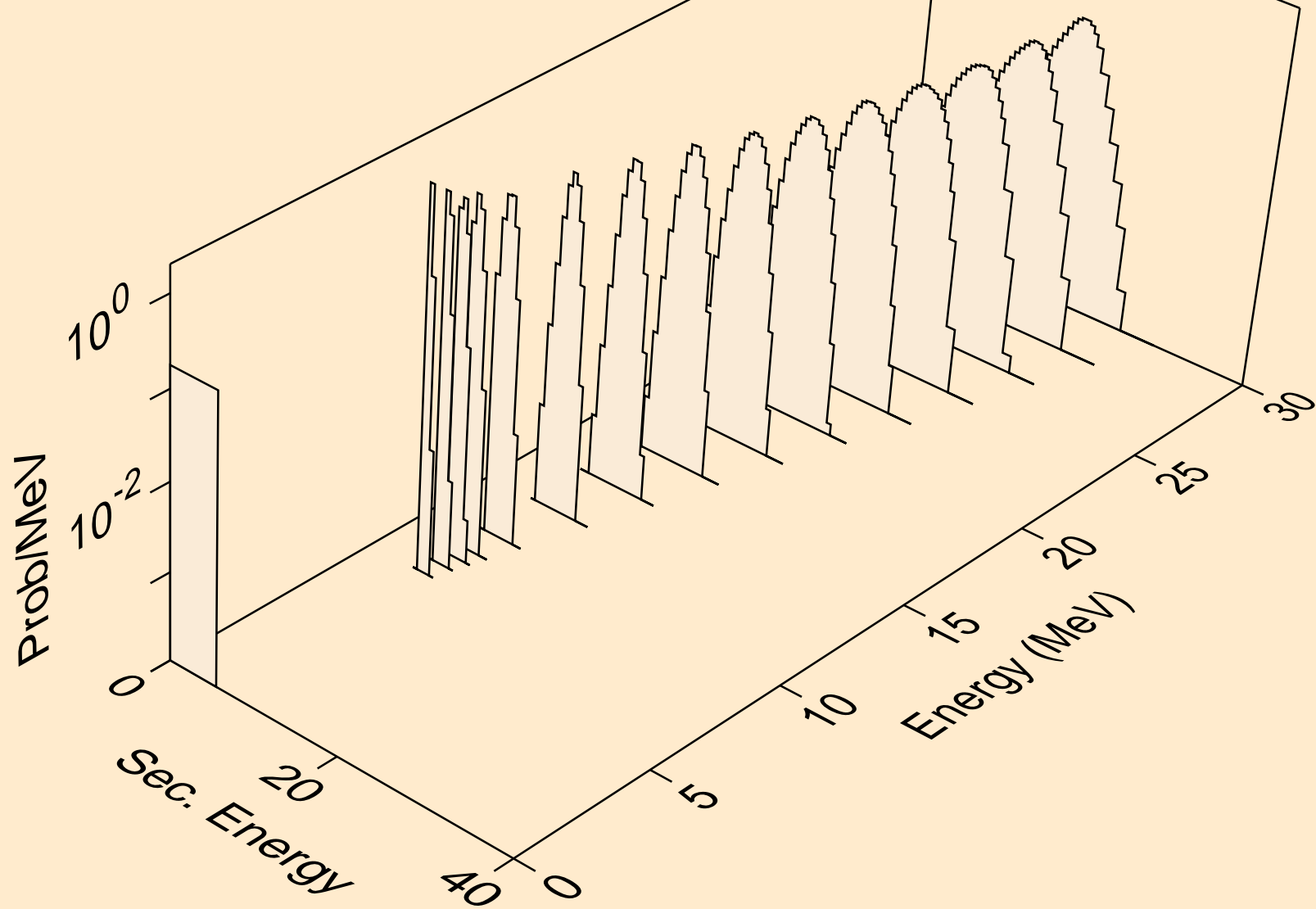
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



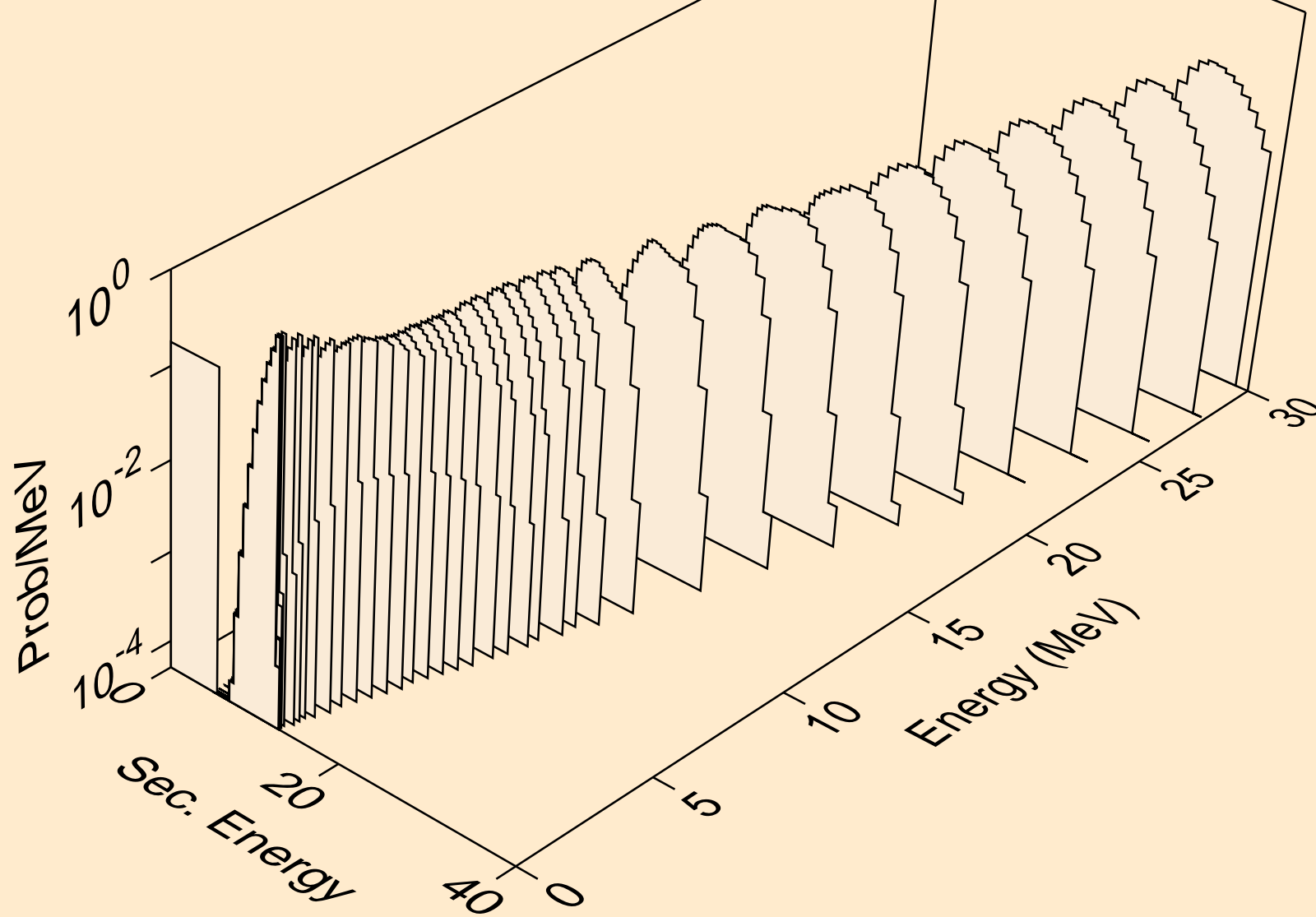
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alphas from (n,2n)2a



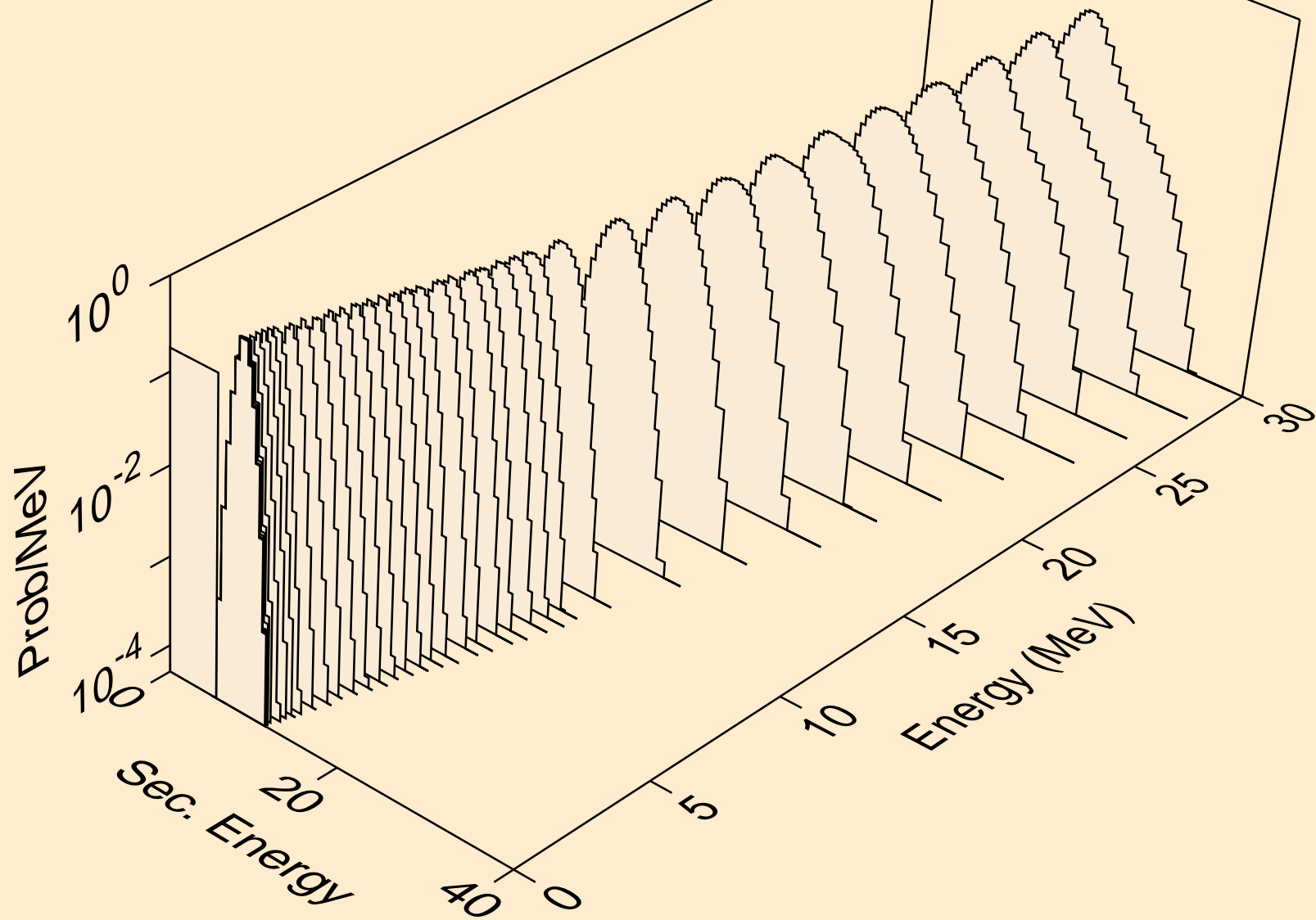
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alphas from (n,npa)



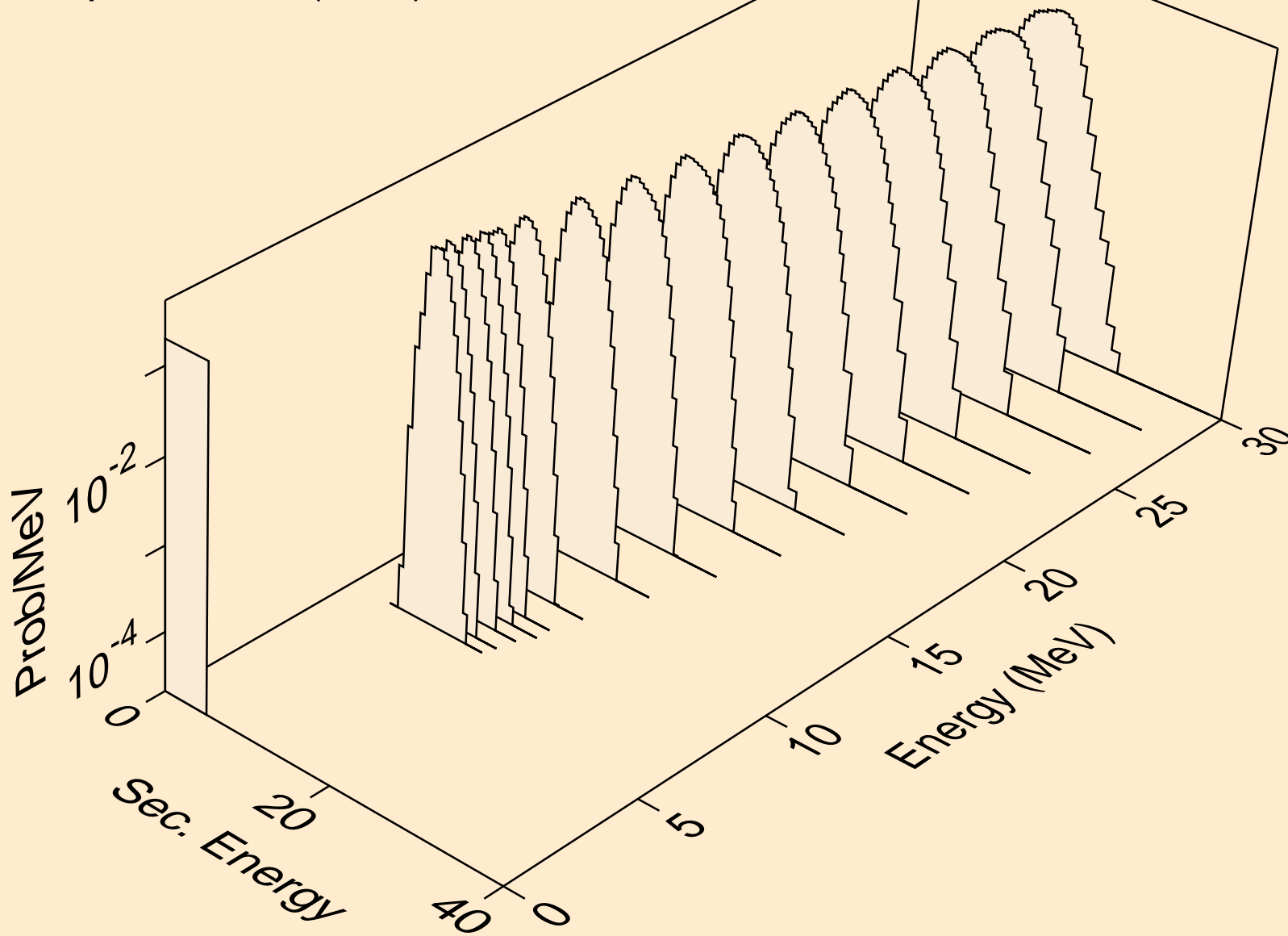
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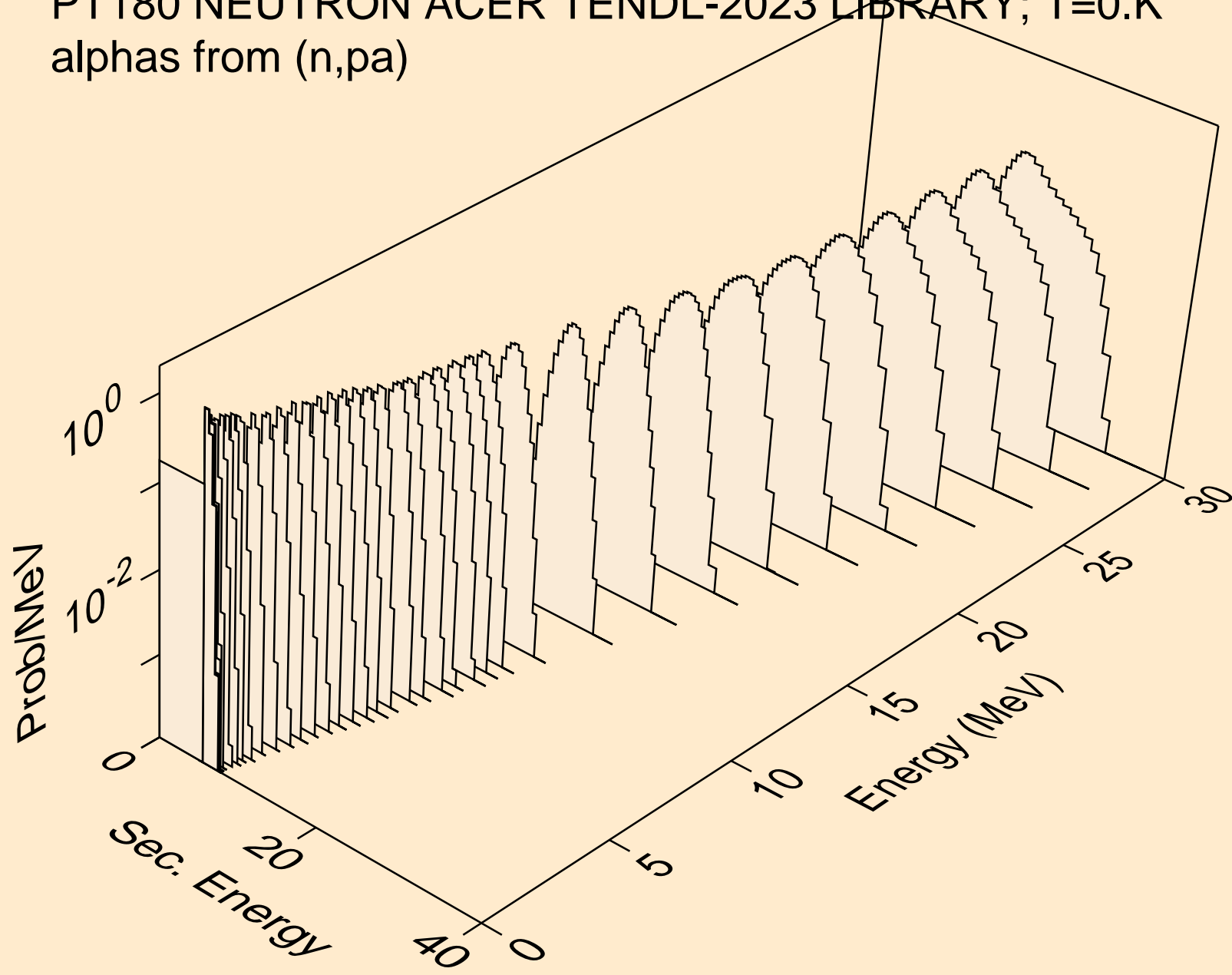
PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PT180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

