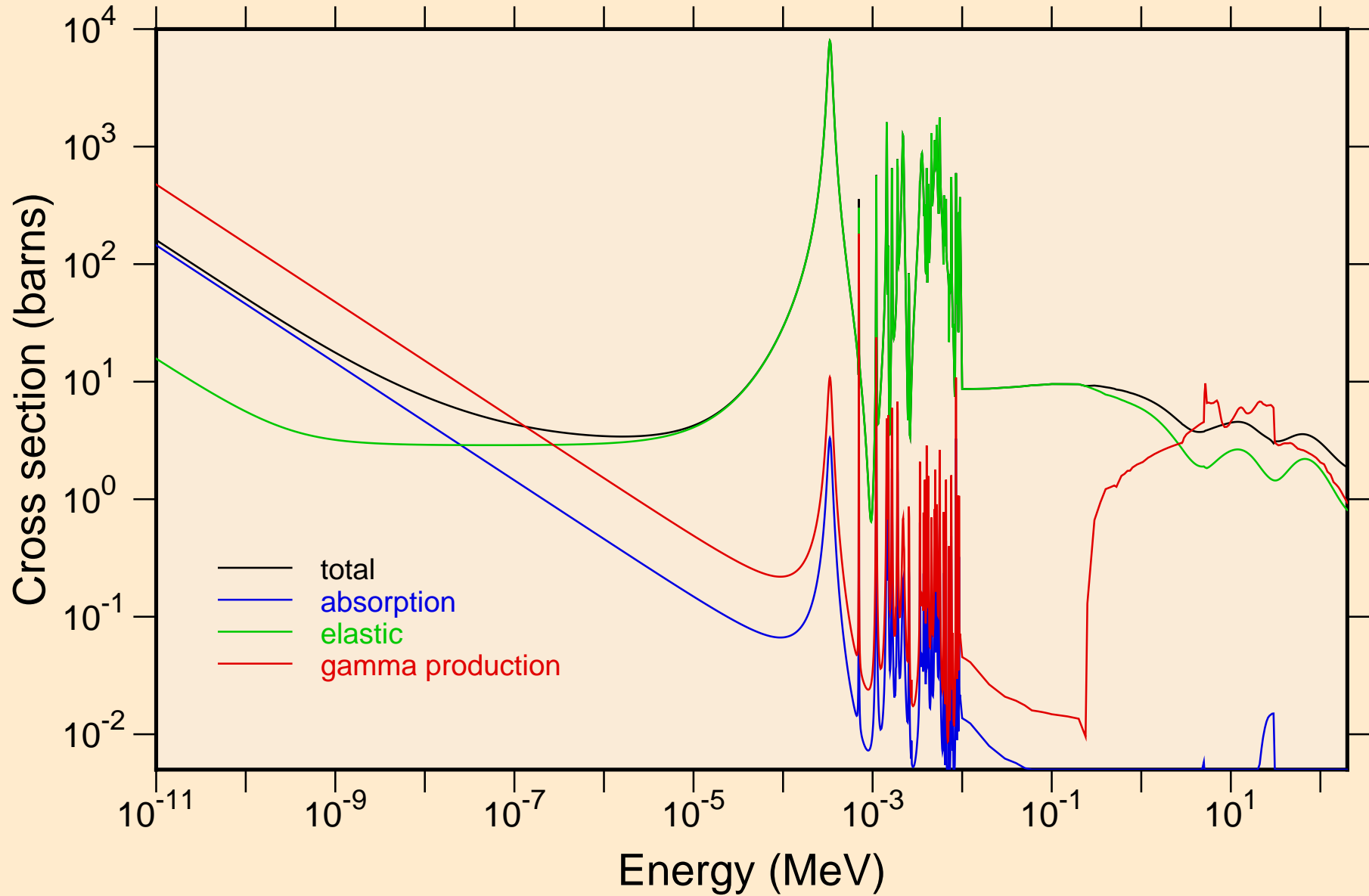
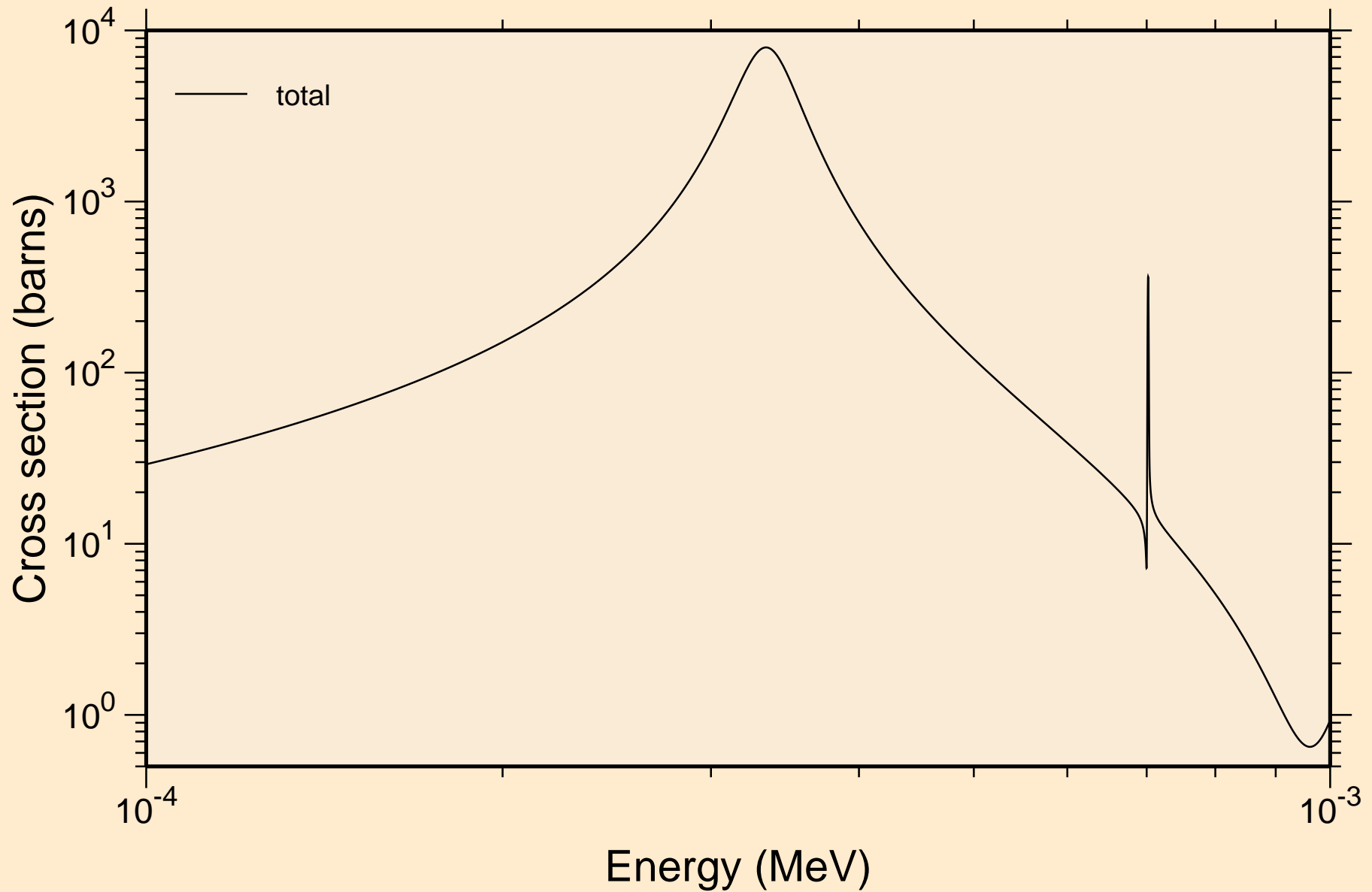


# RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

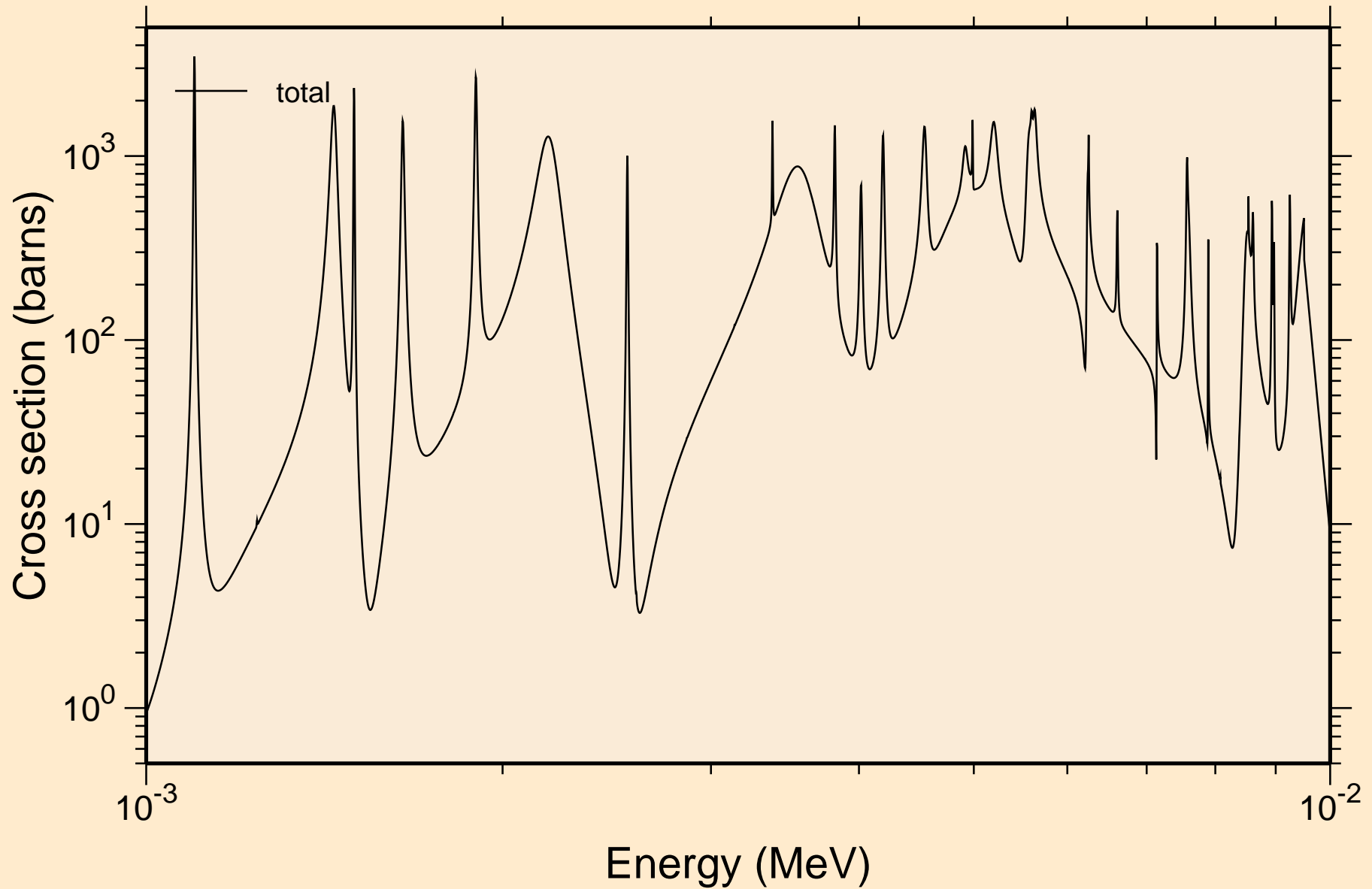
## Principal cross sections



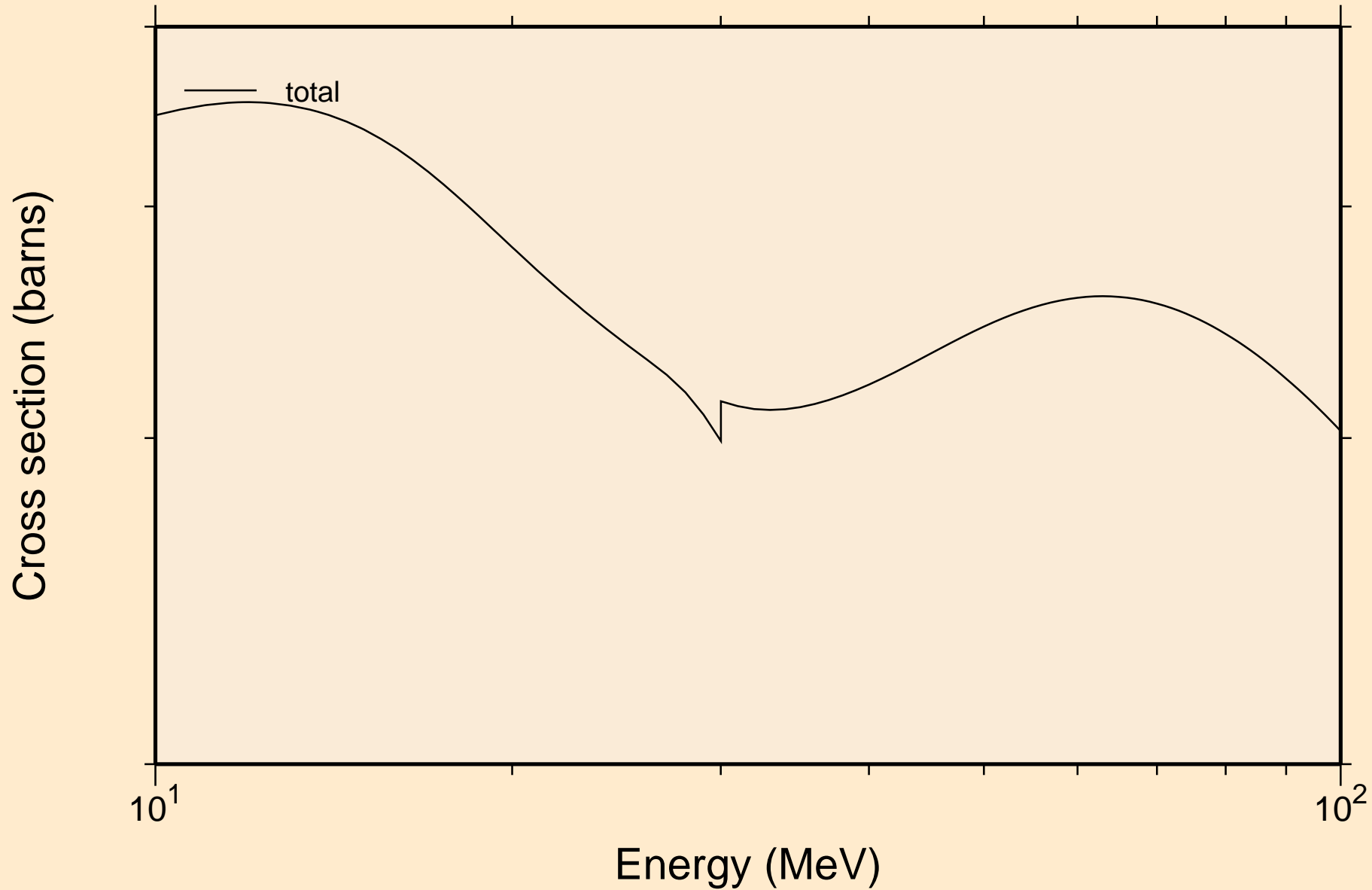
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resonance total cross section



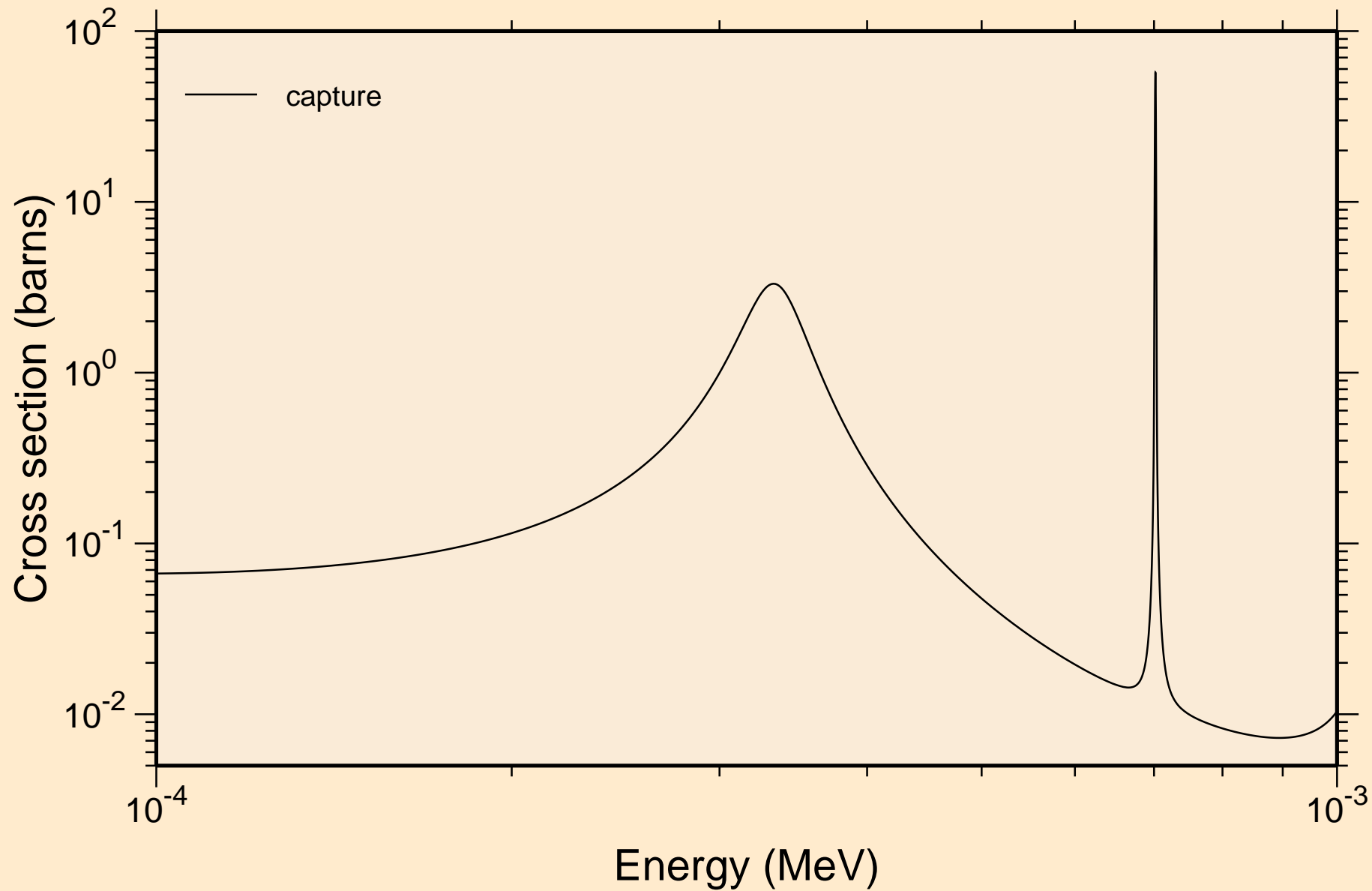
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



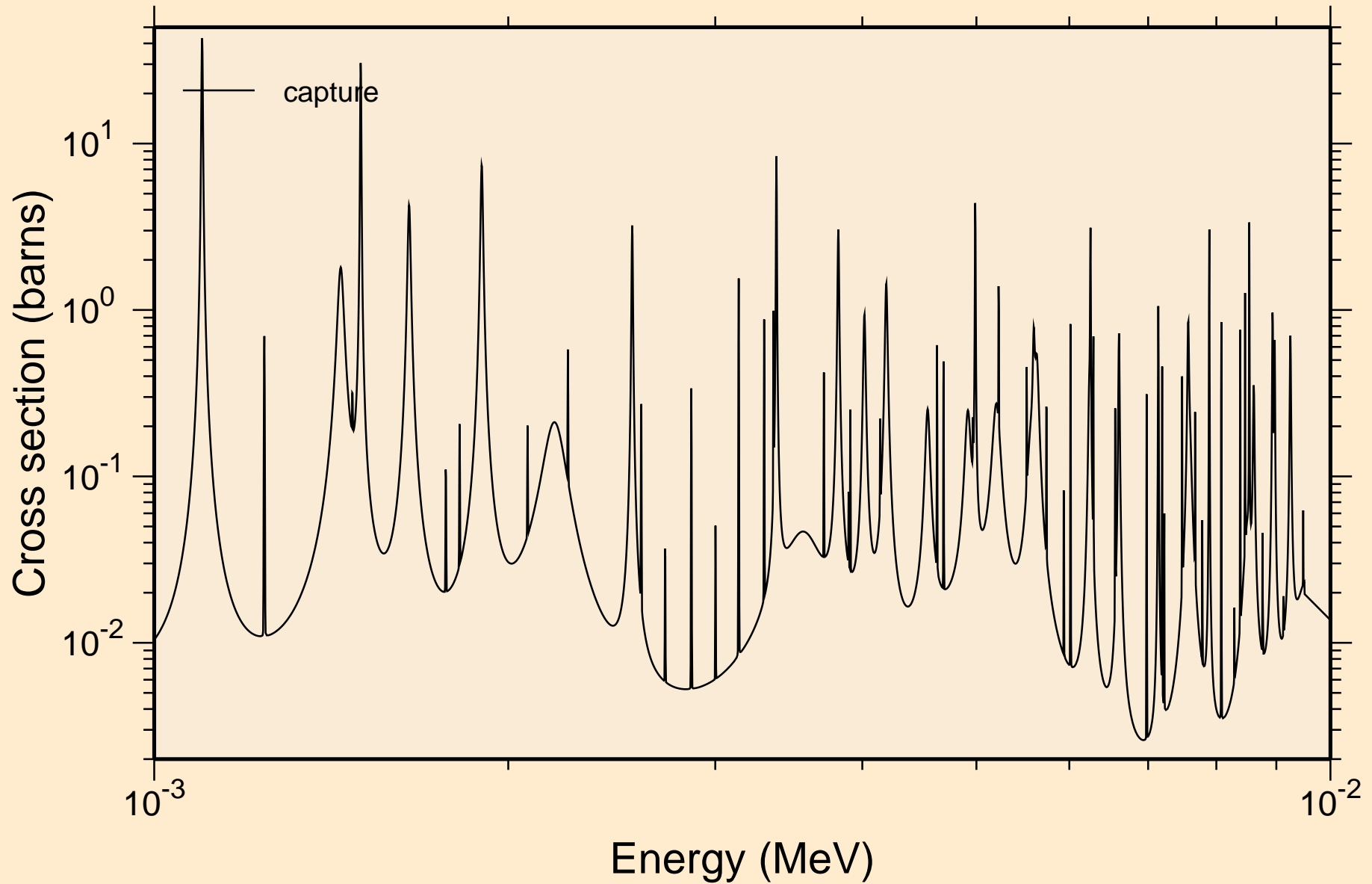
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resonance total cross section



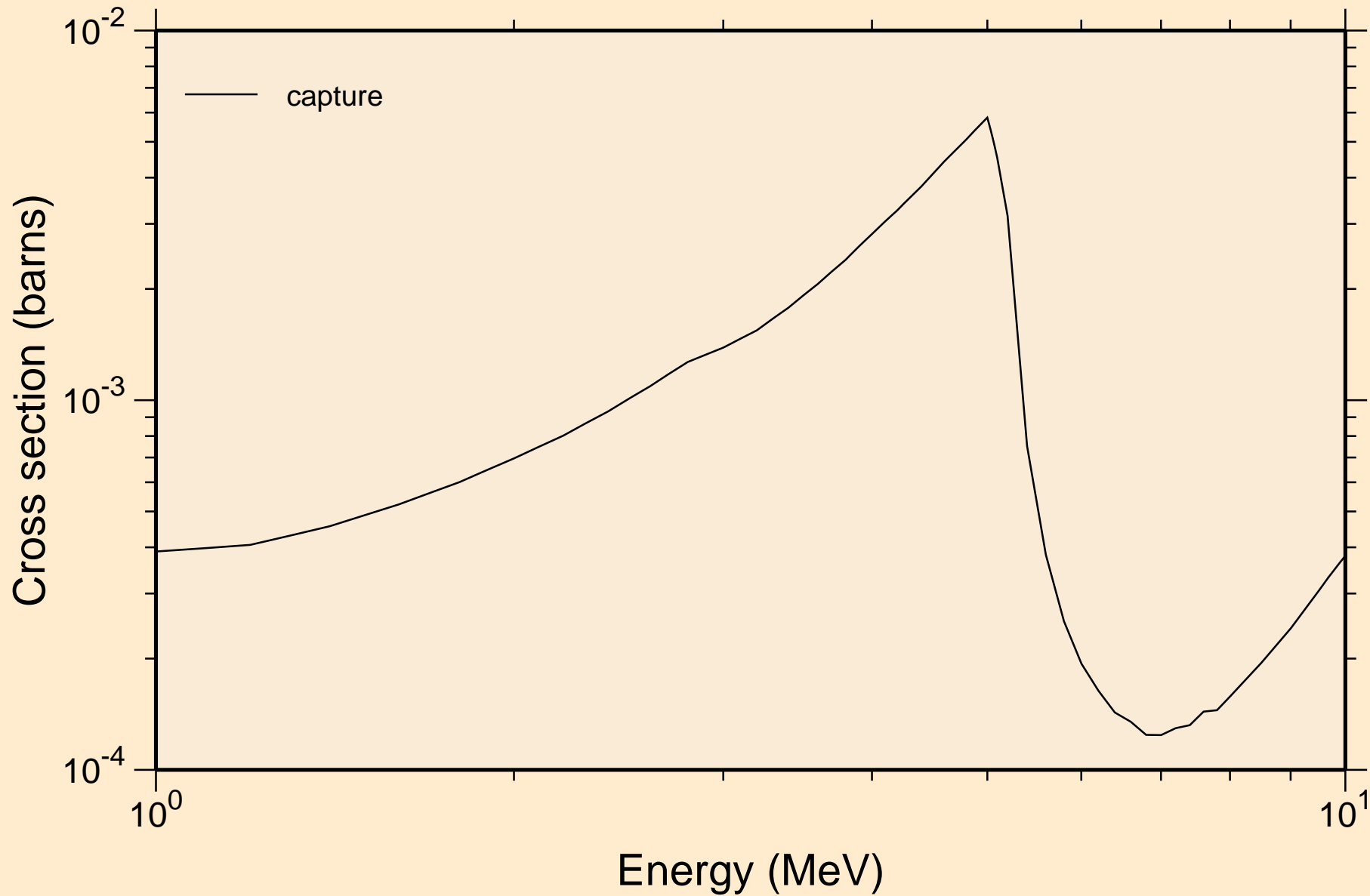
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



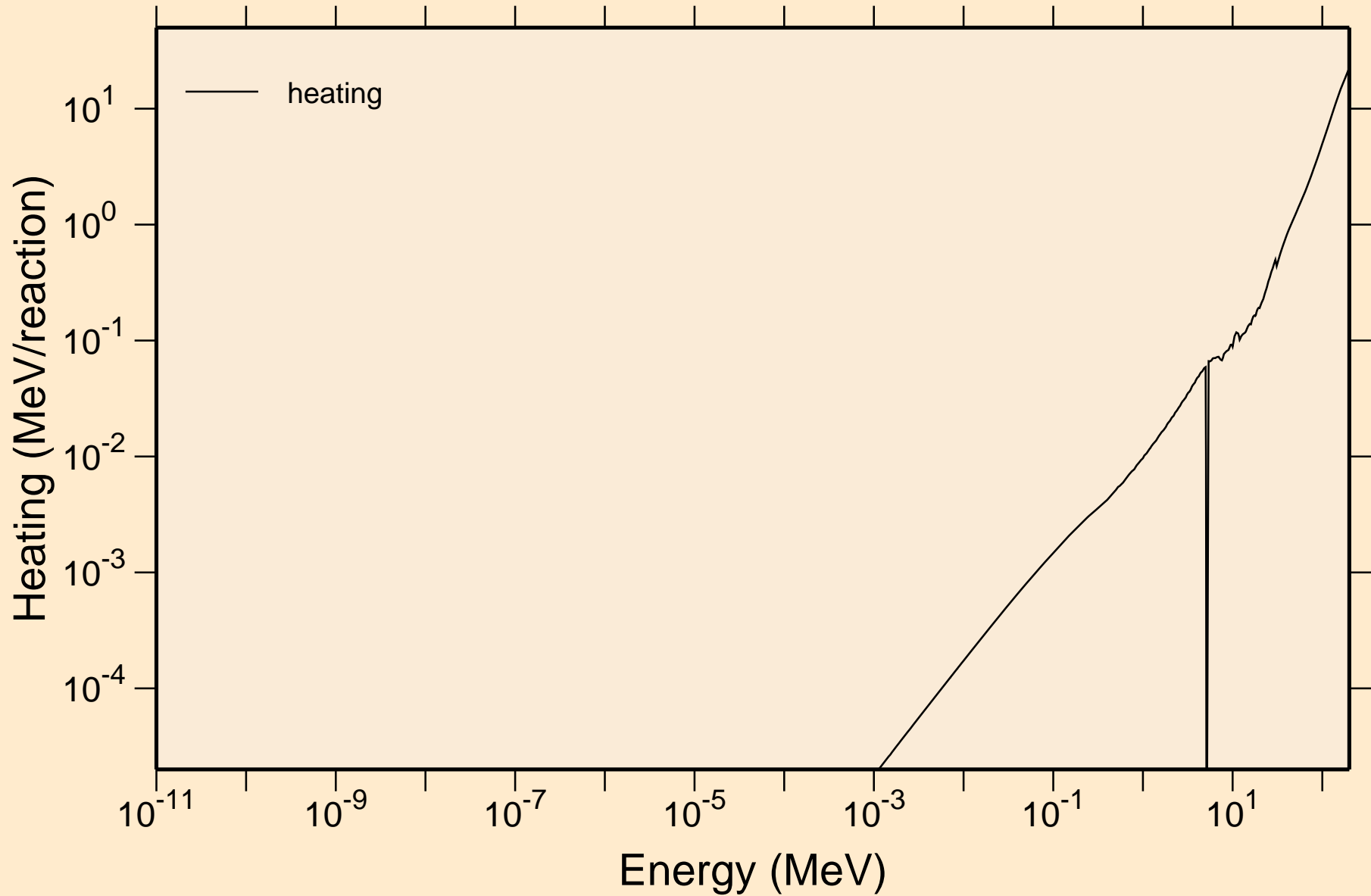
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

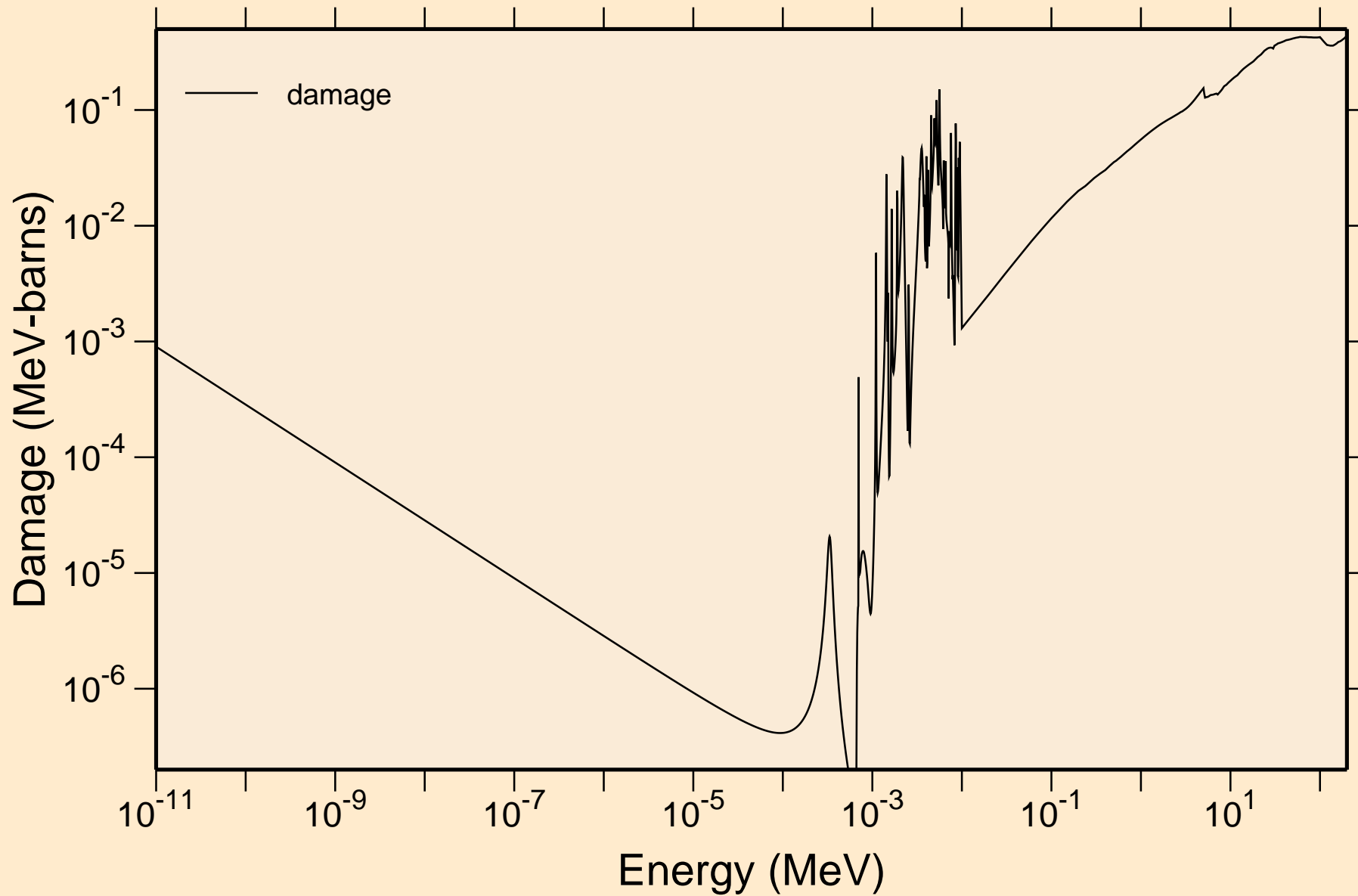


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

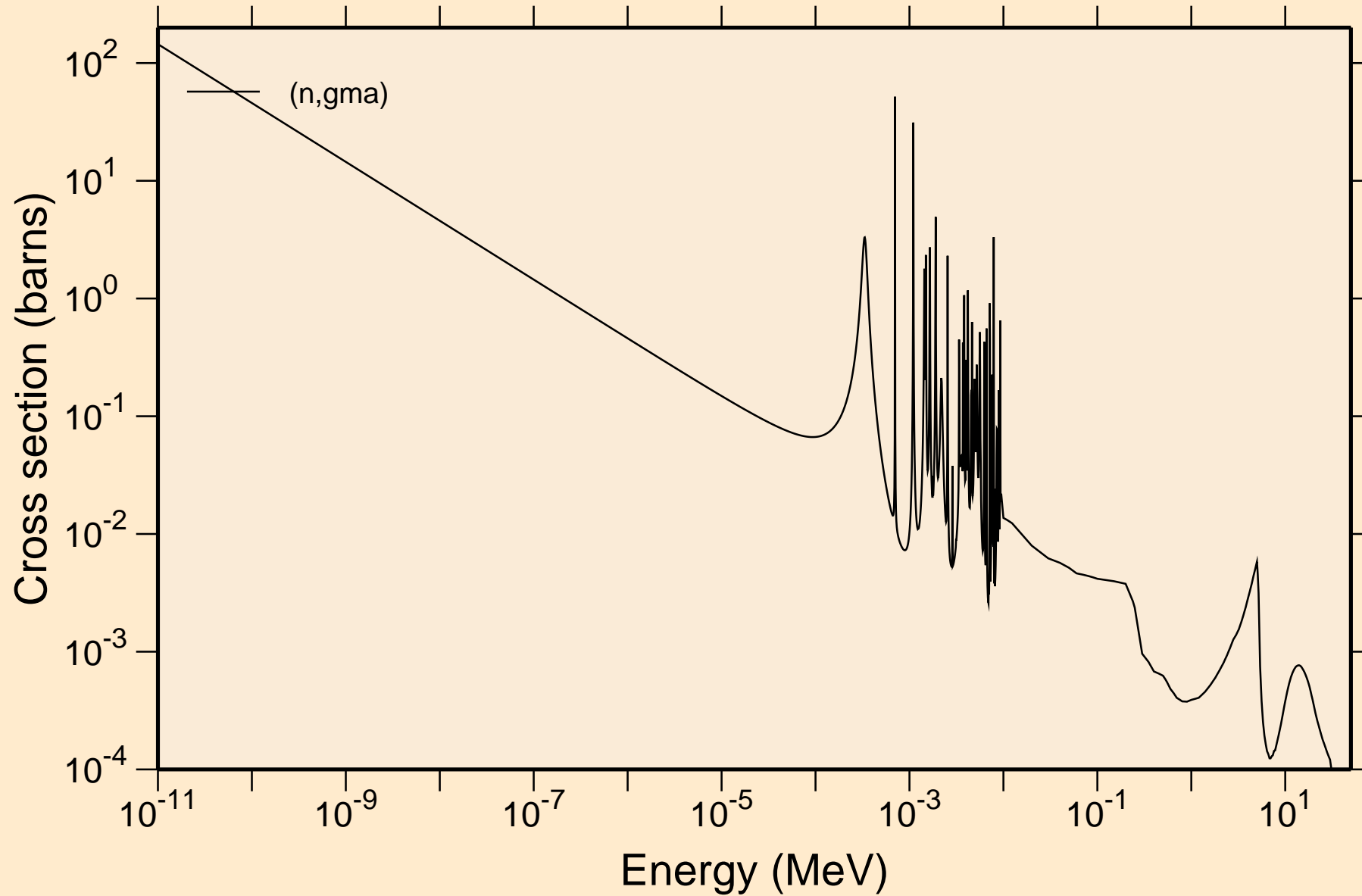




RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

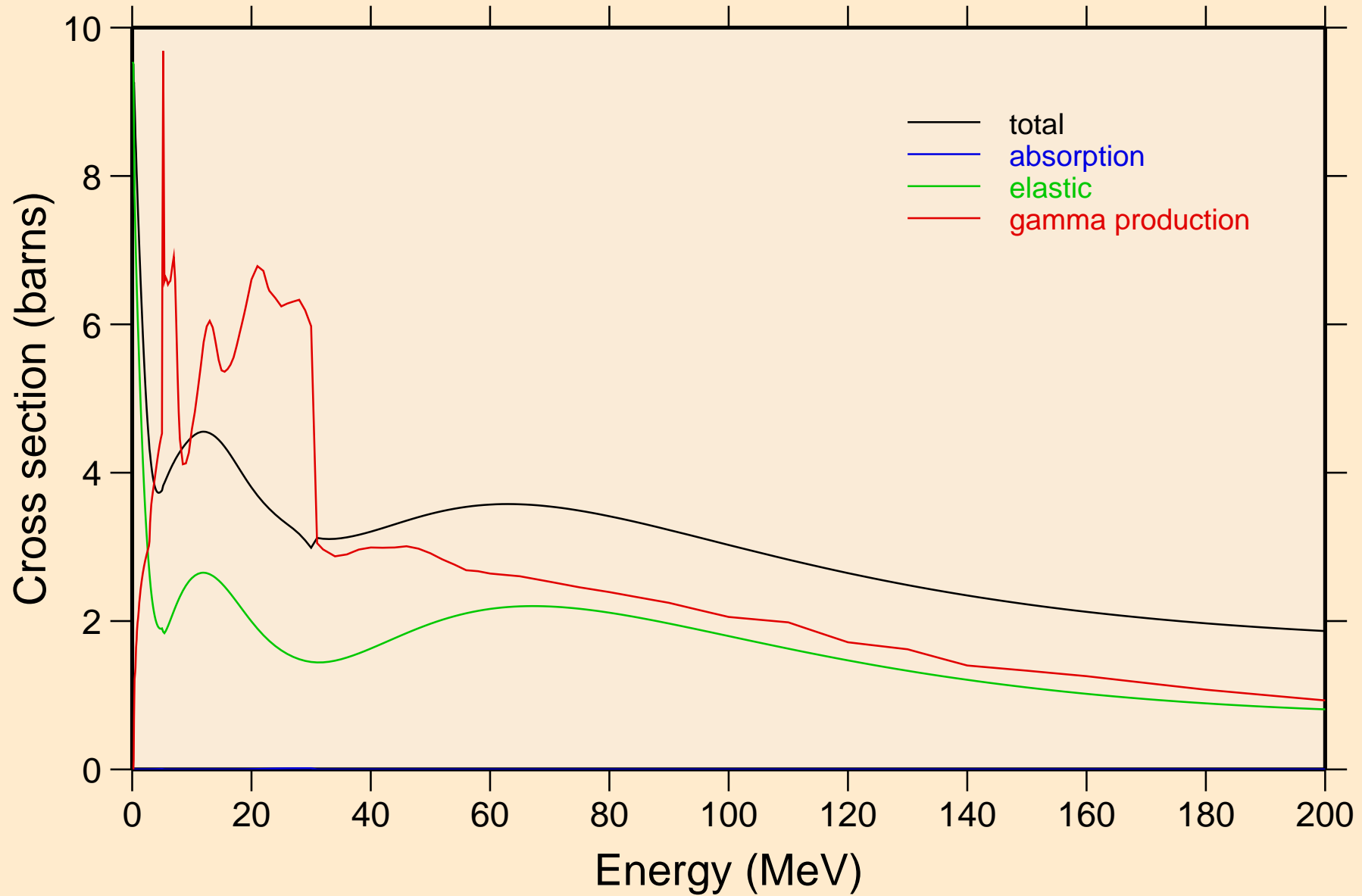


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

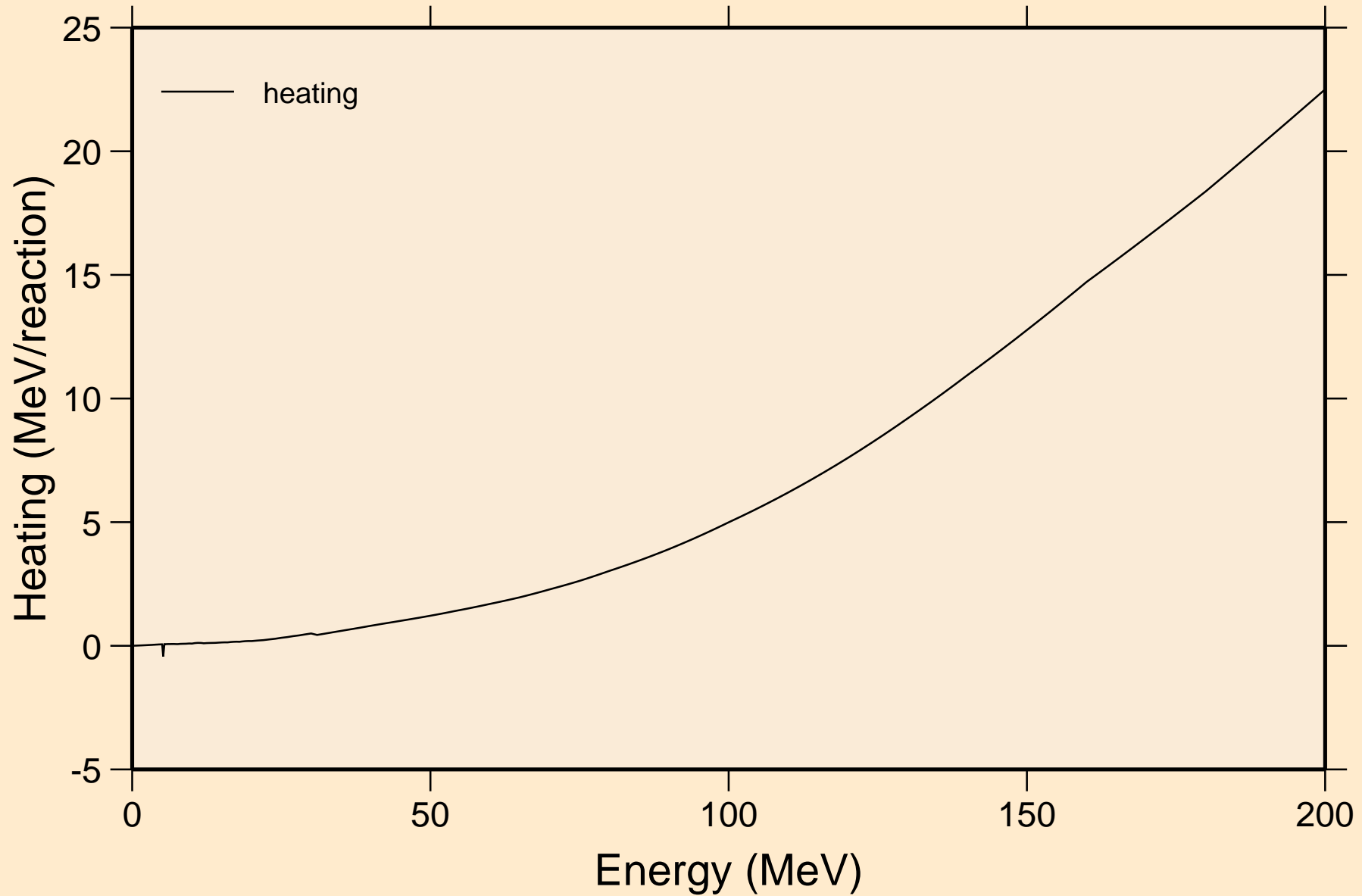


# RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

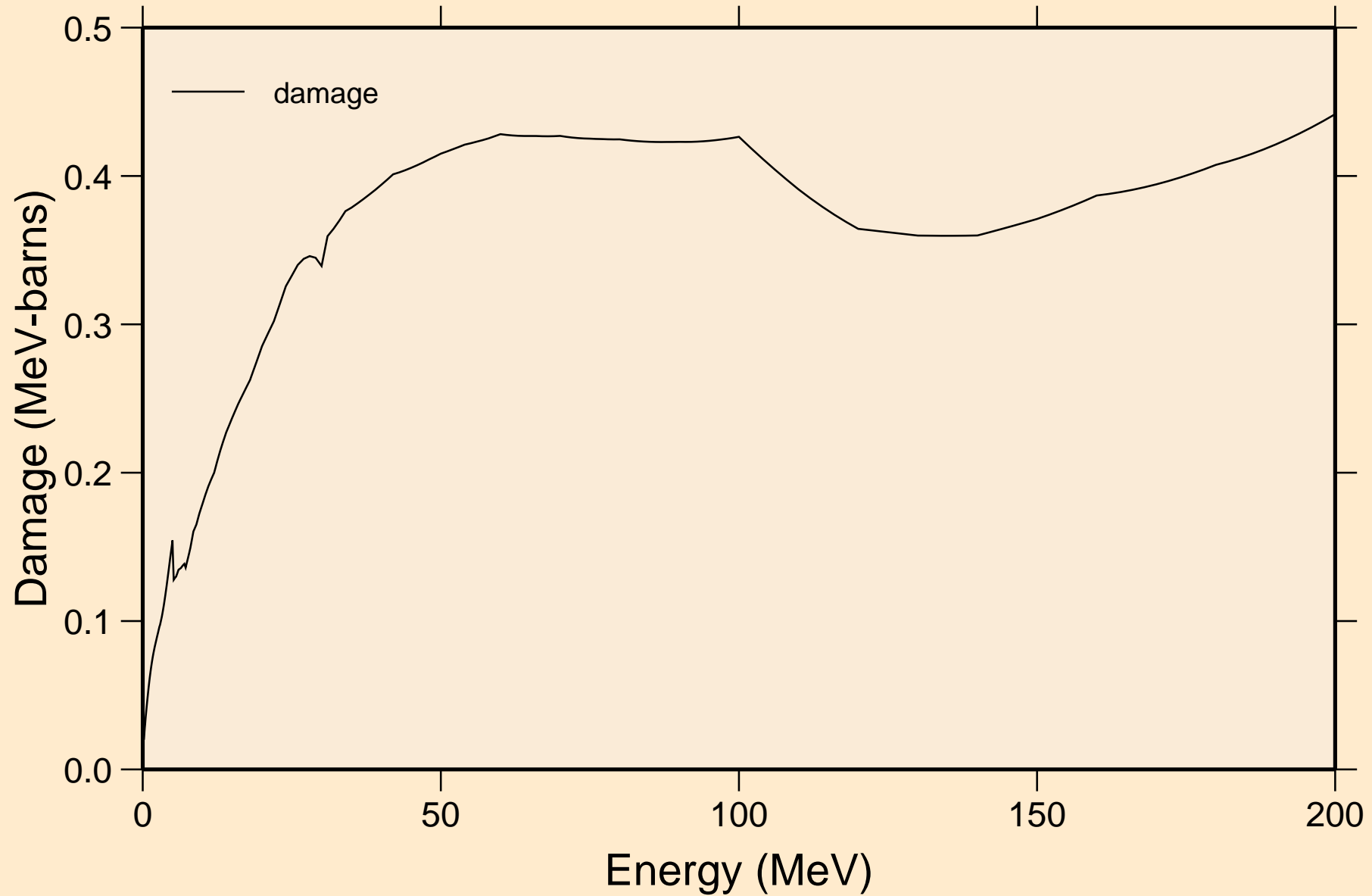
## Principal cross sections



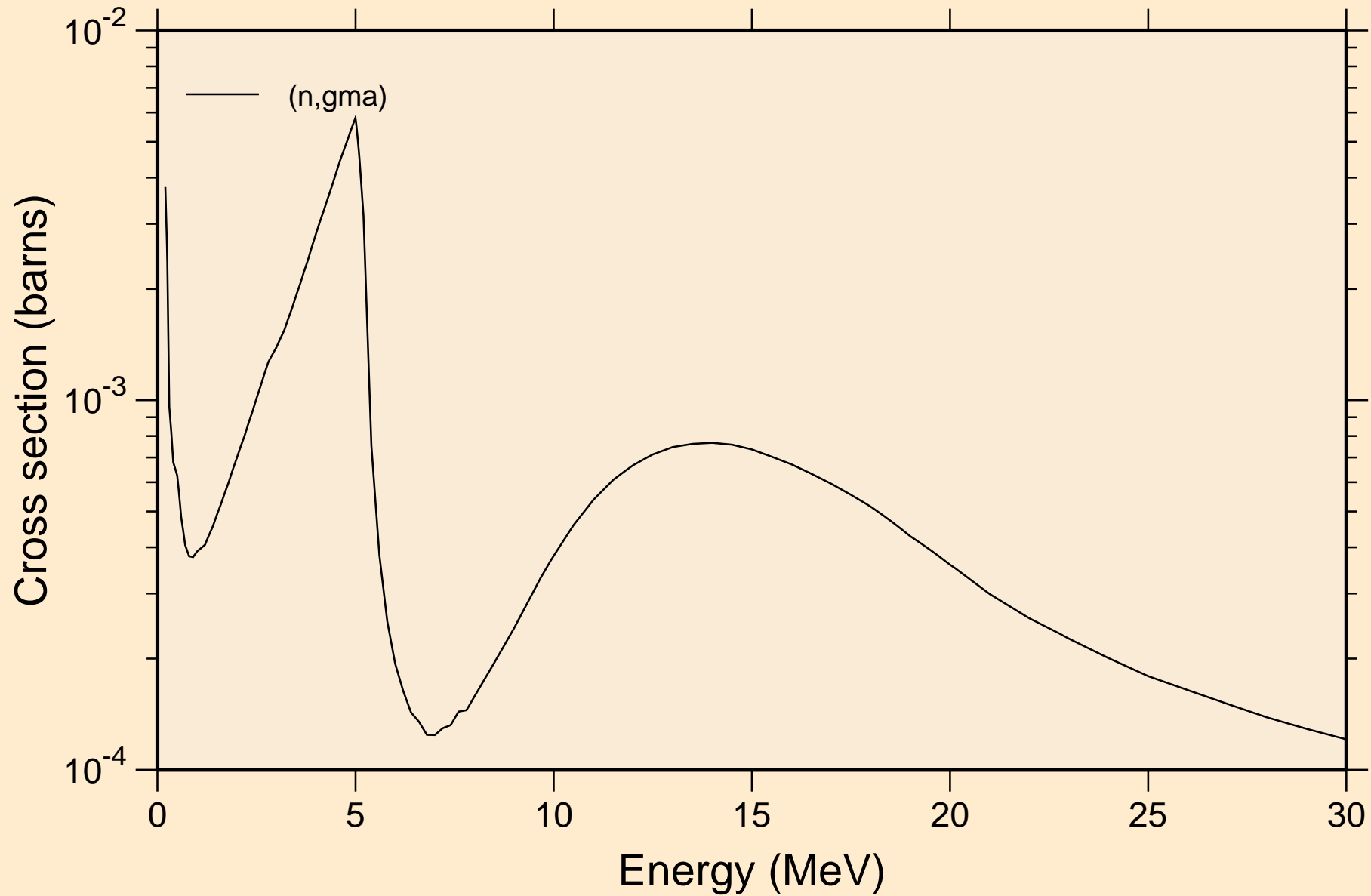
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



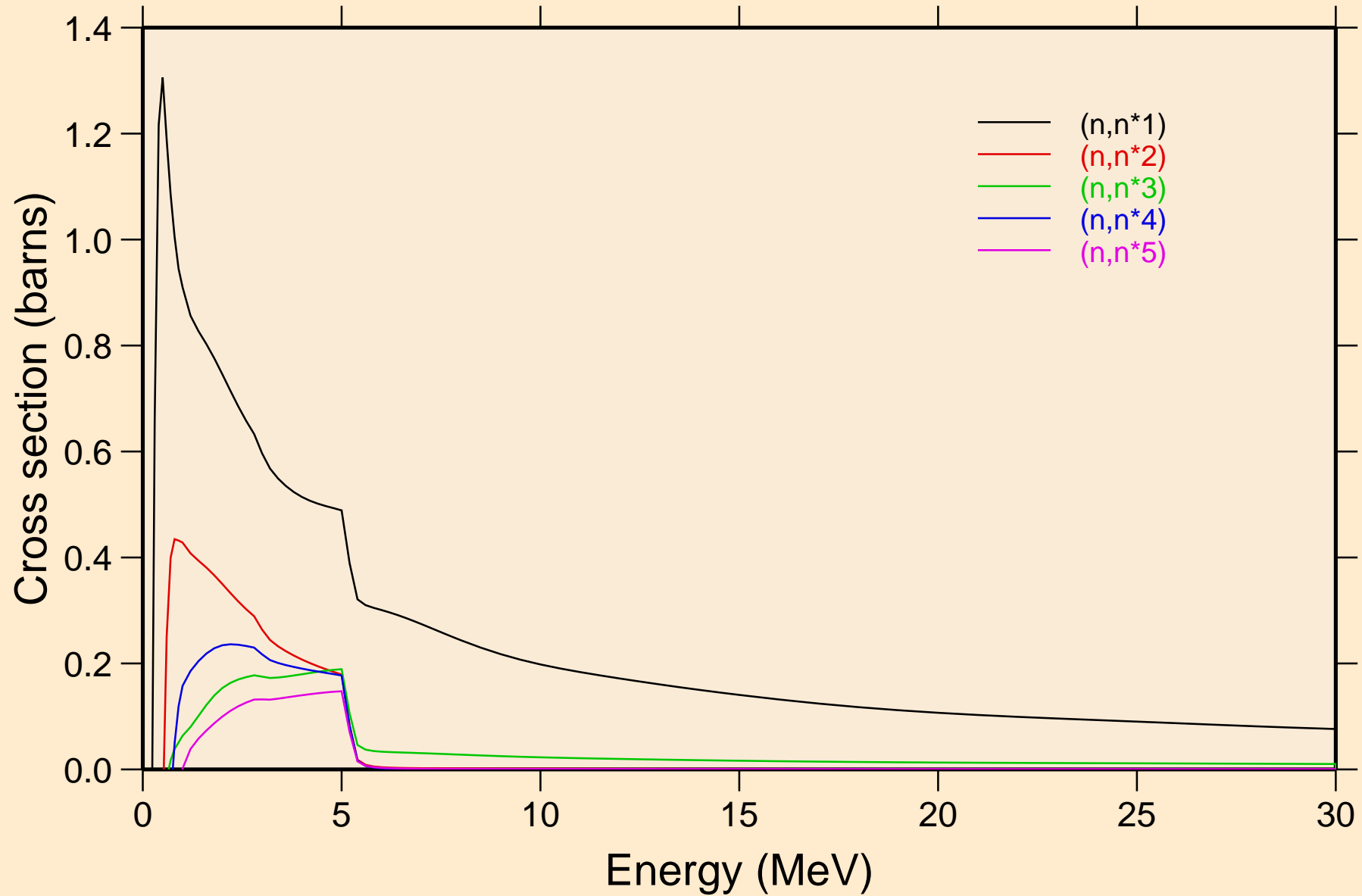
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Damage



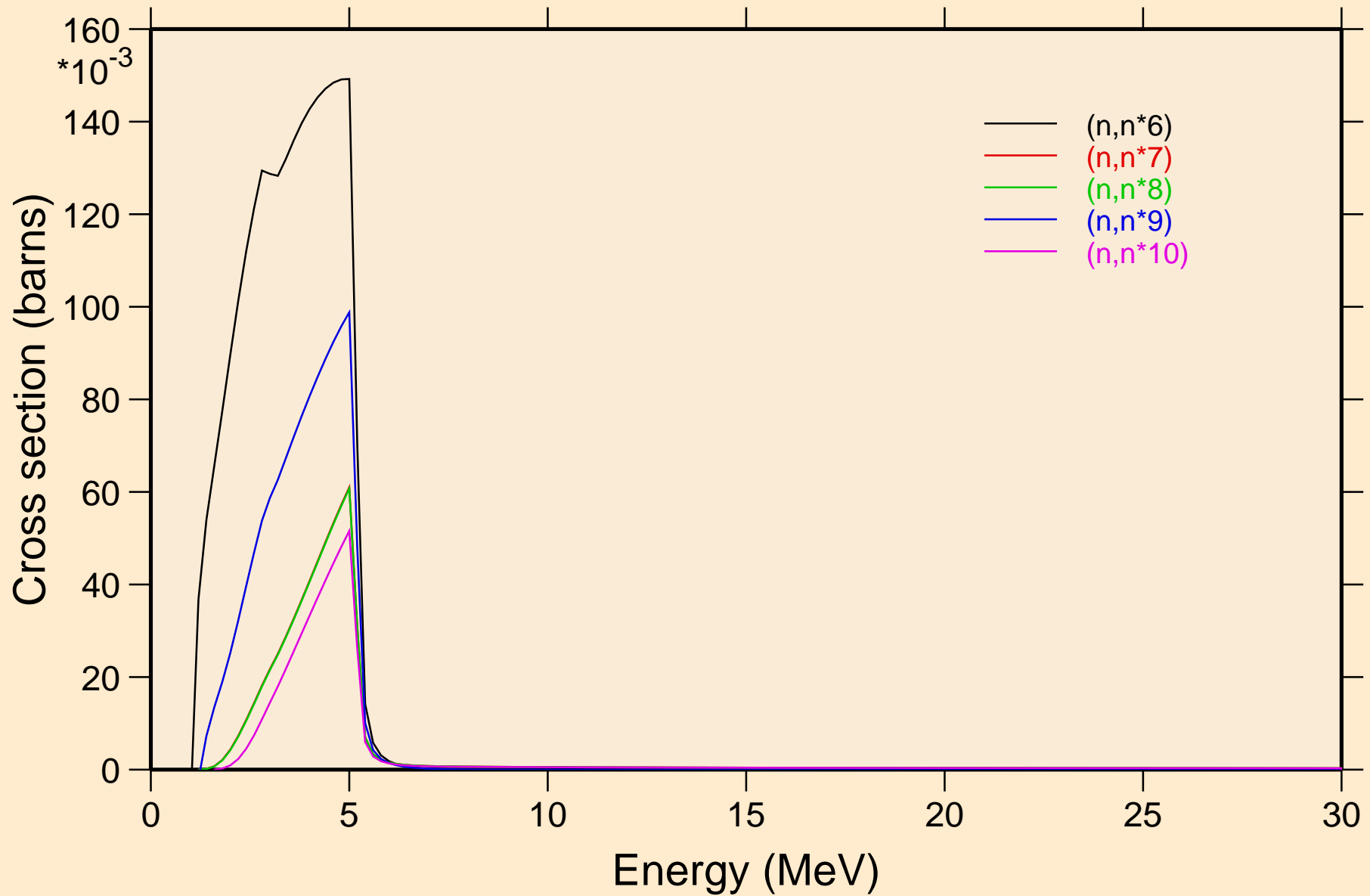
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

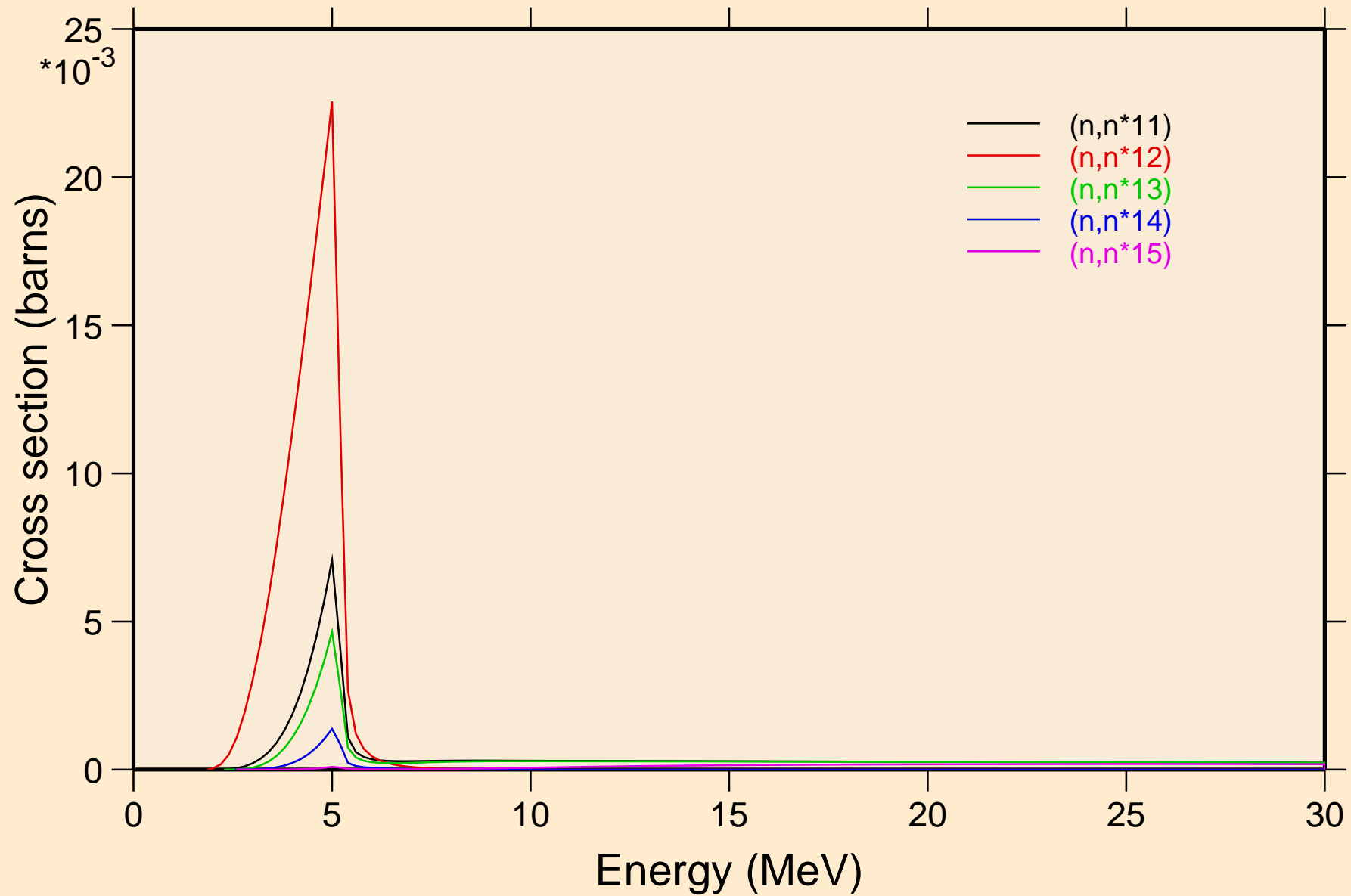


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

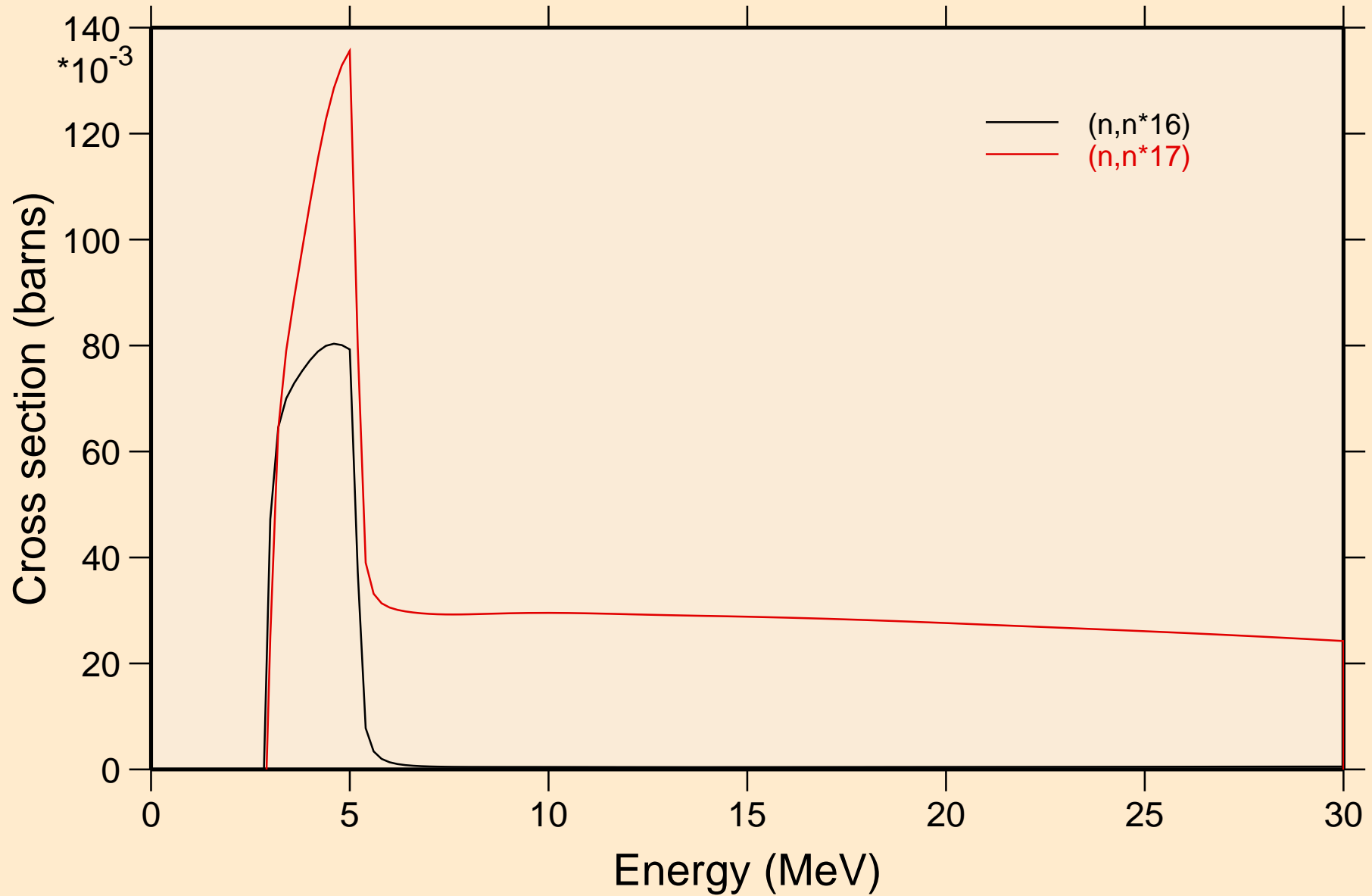




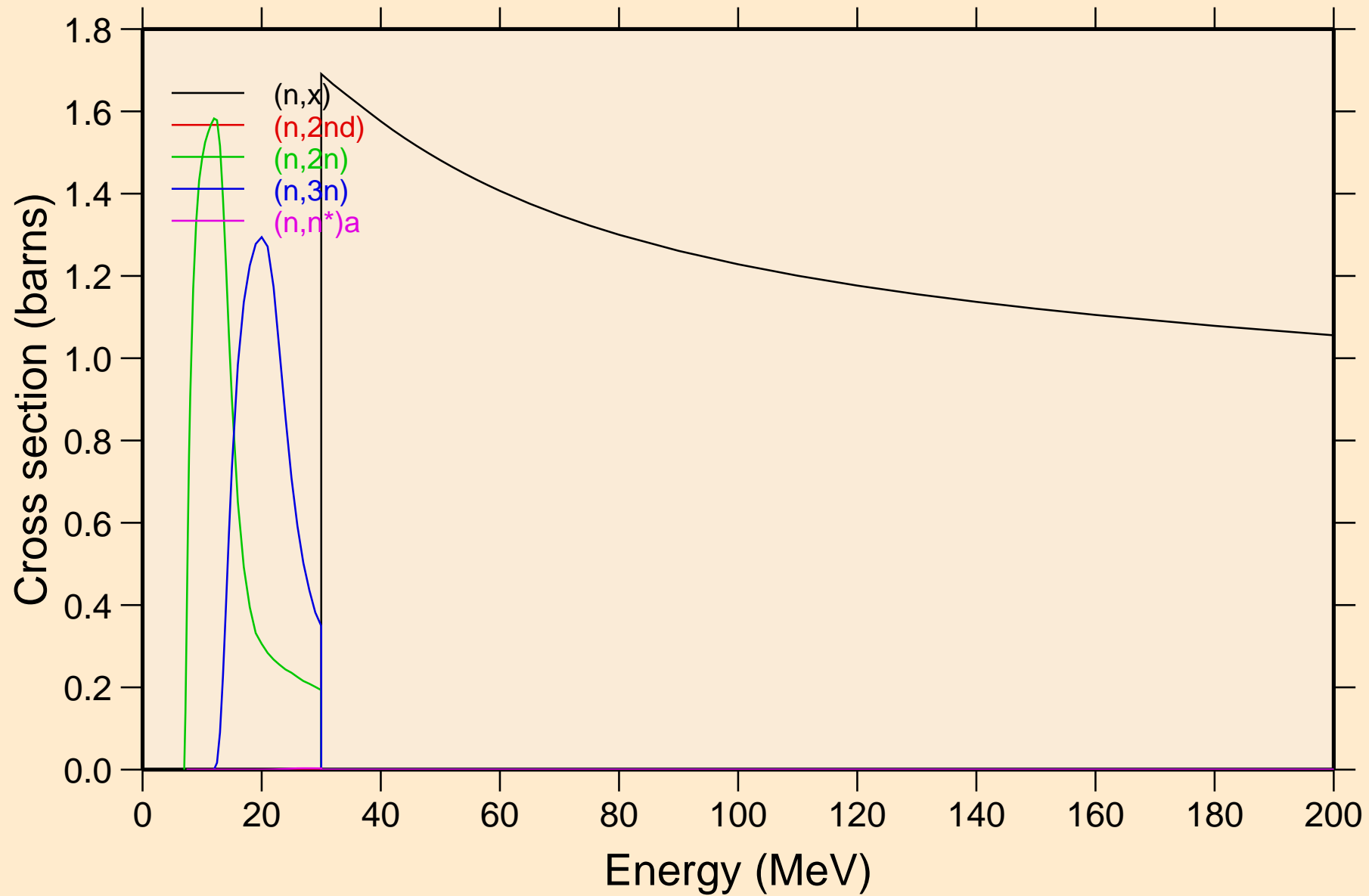
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



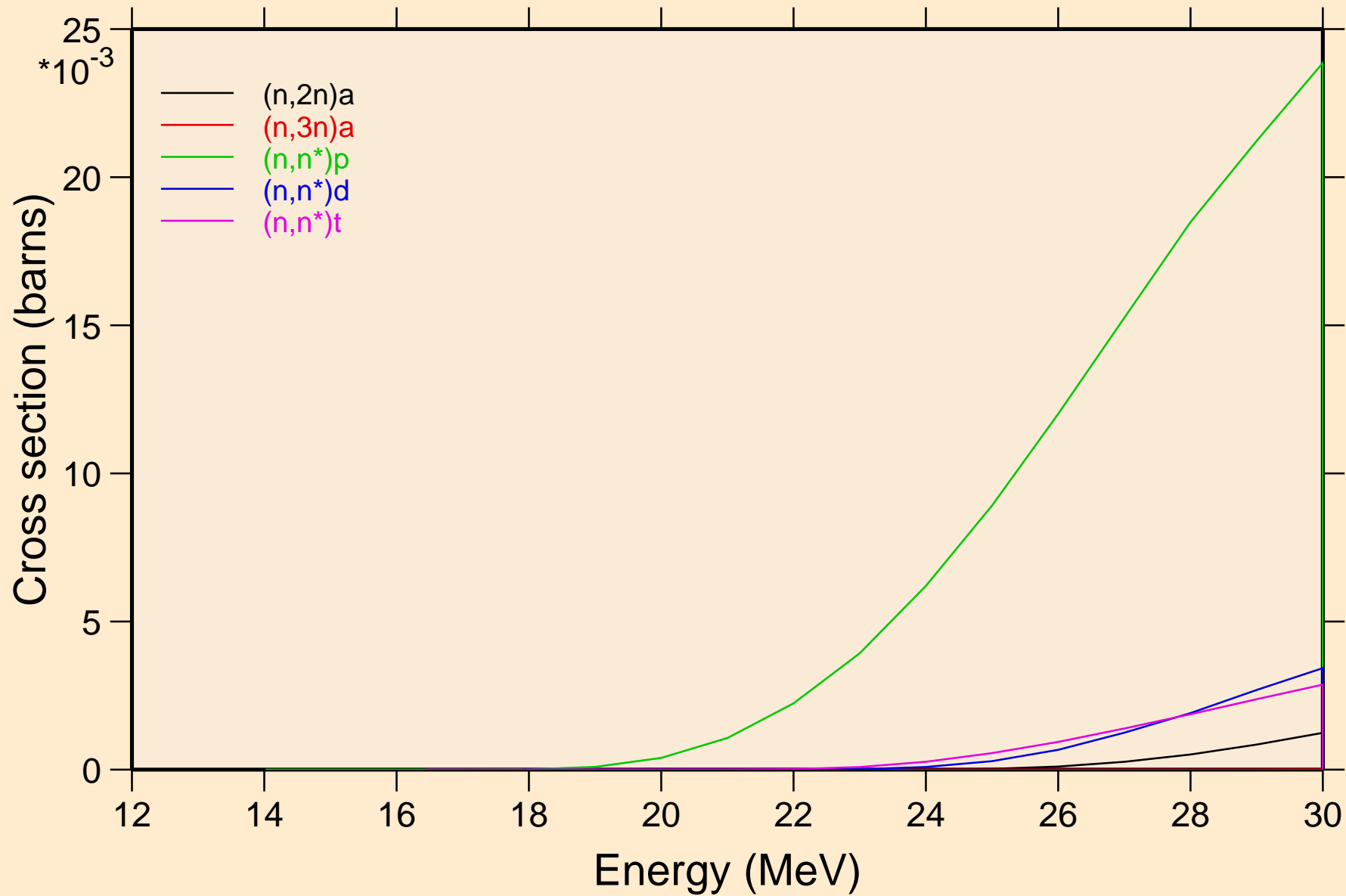
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Inelastic levels



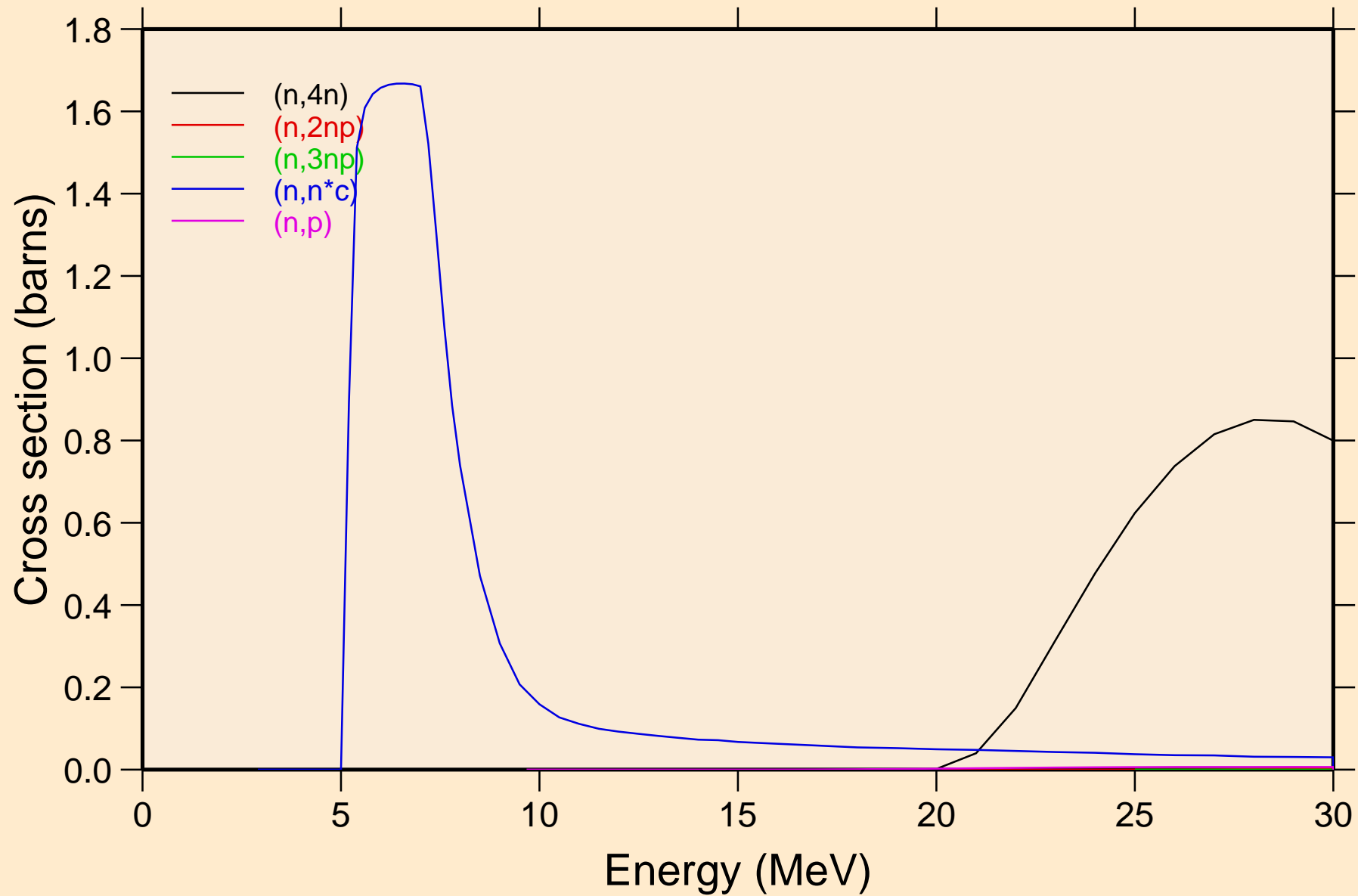
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



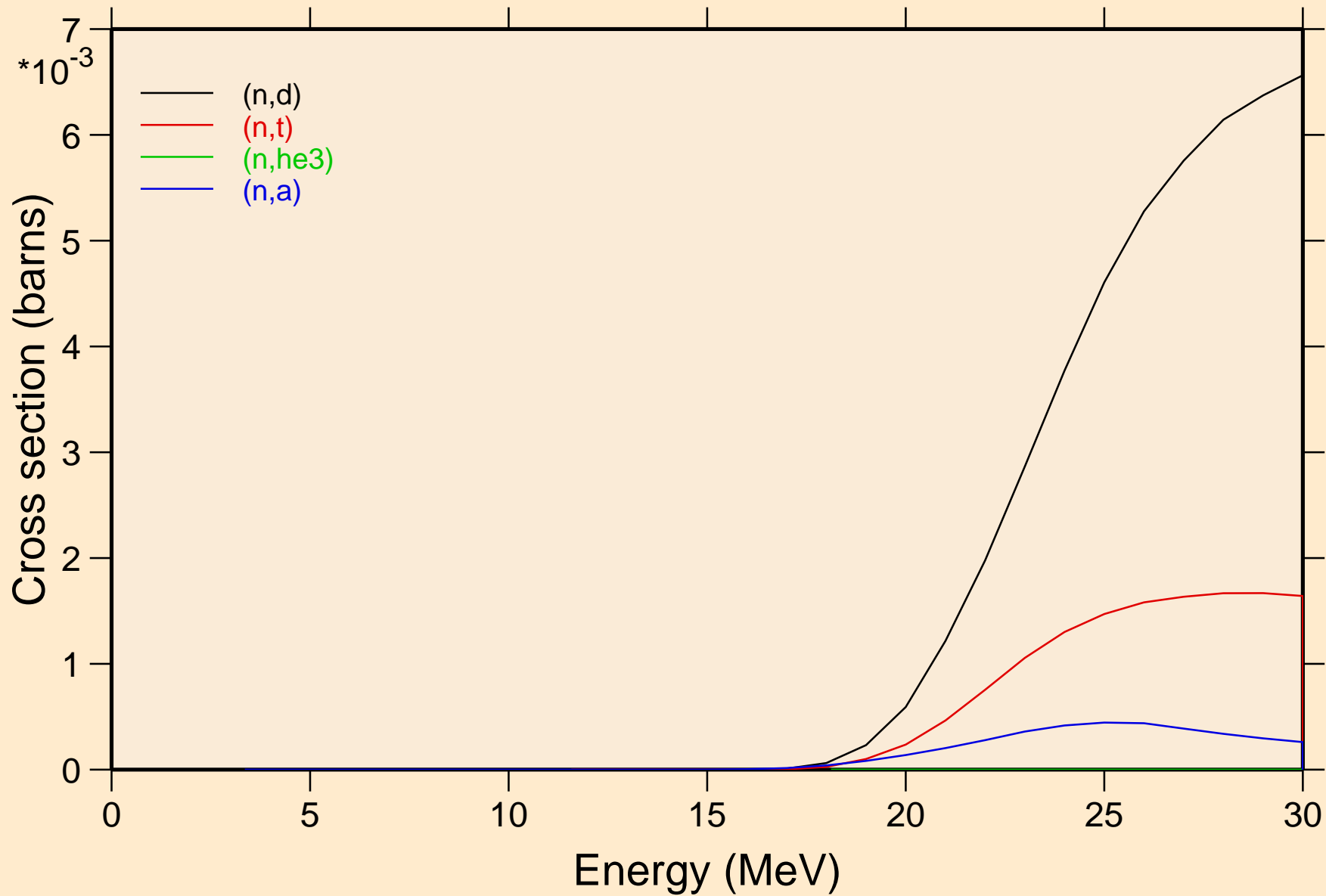
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

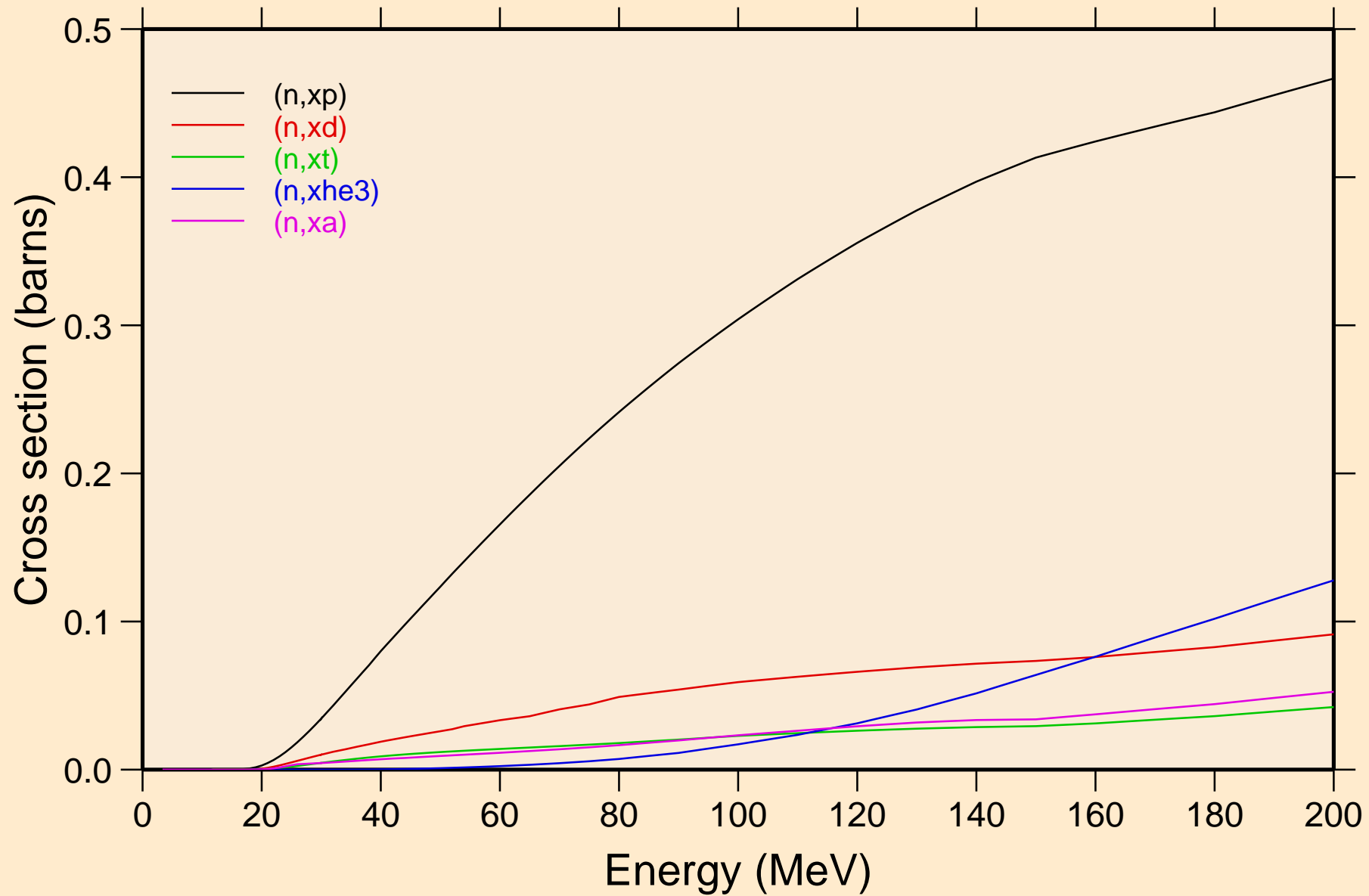


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

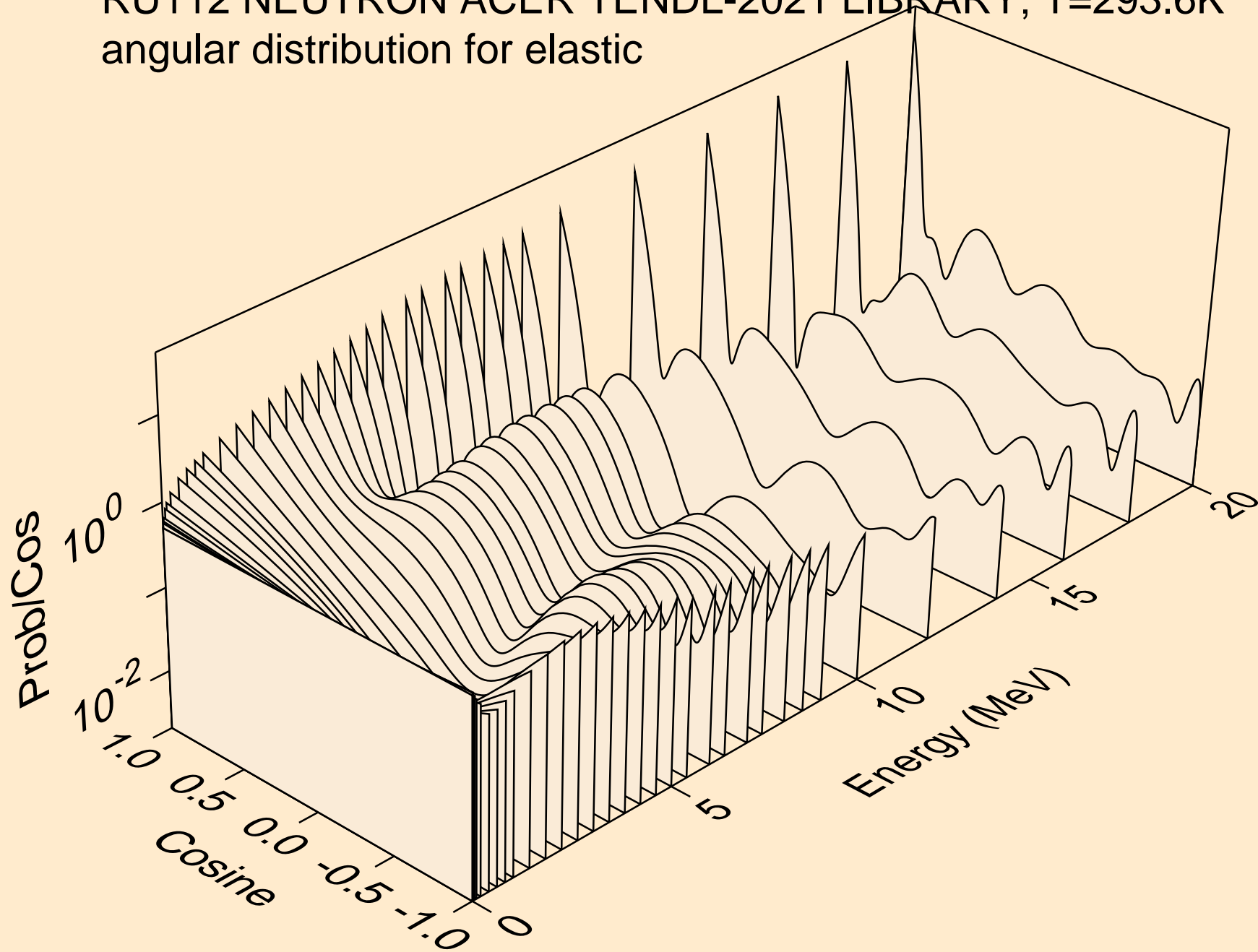


# RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

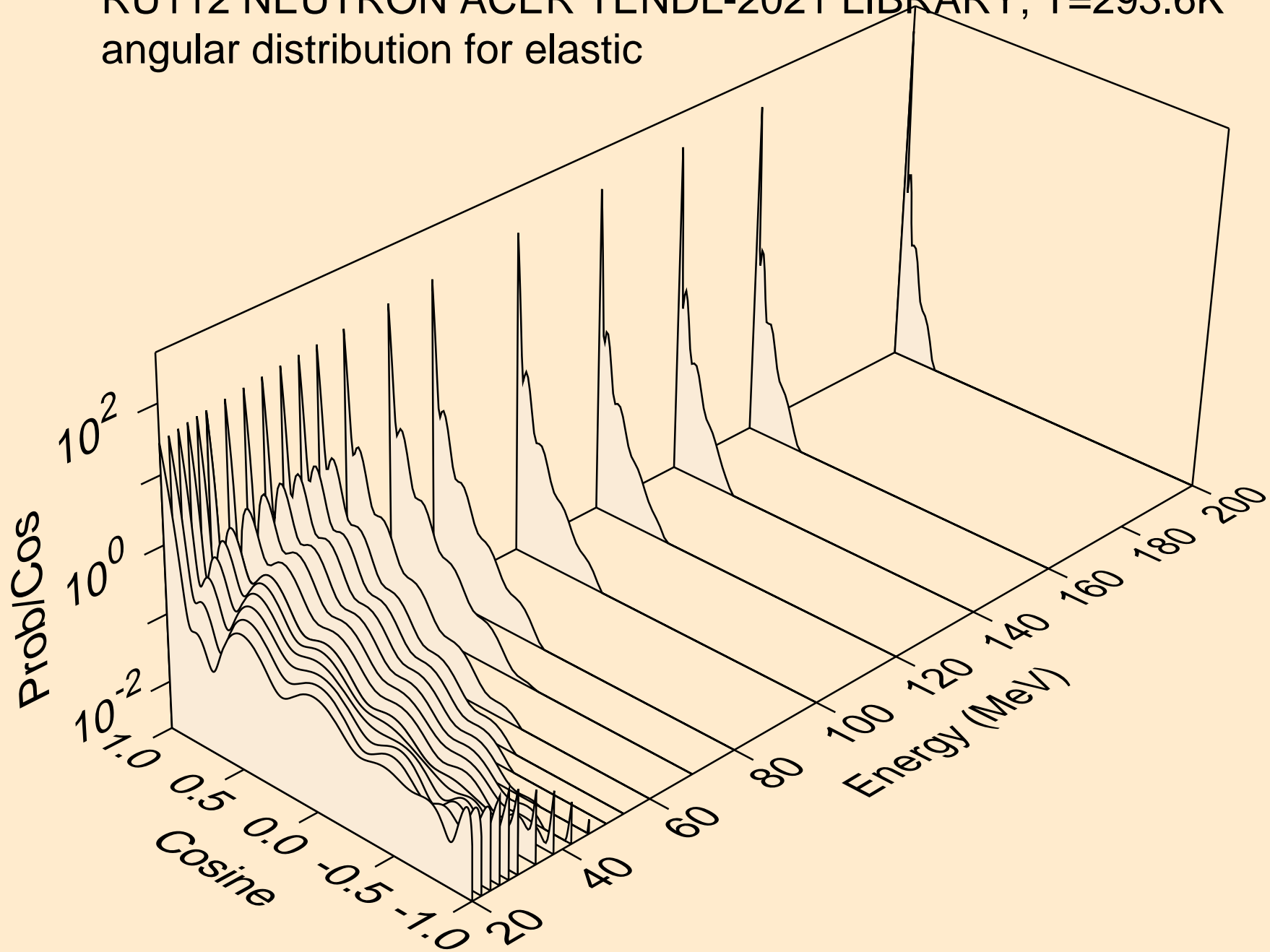


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

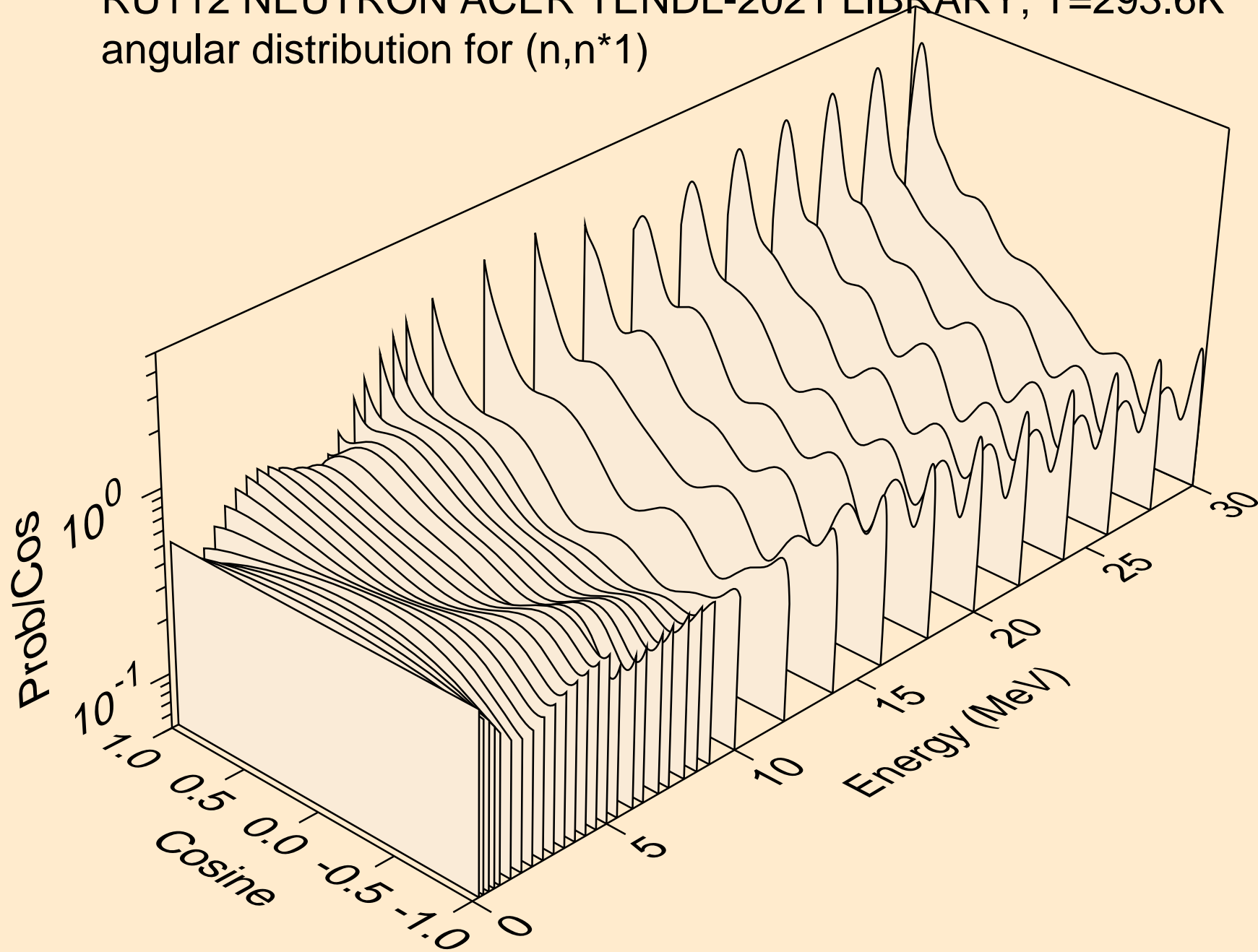




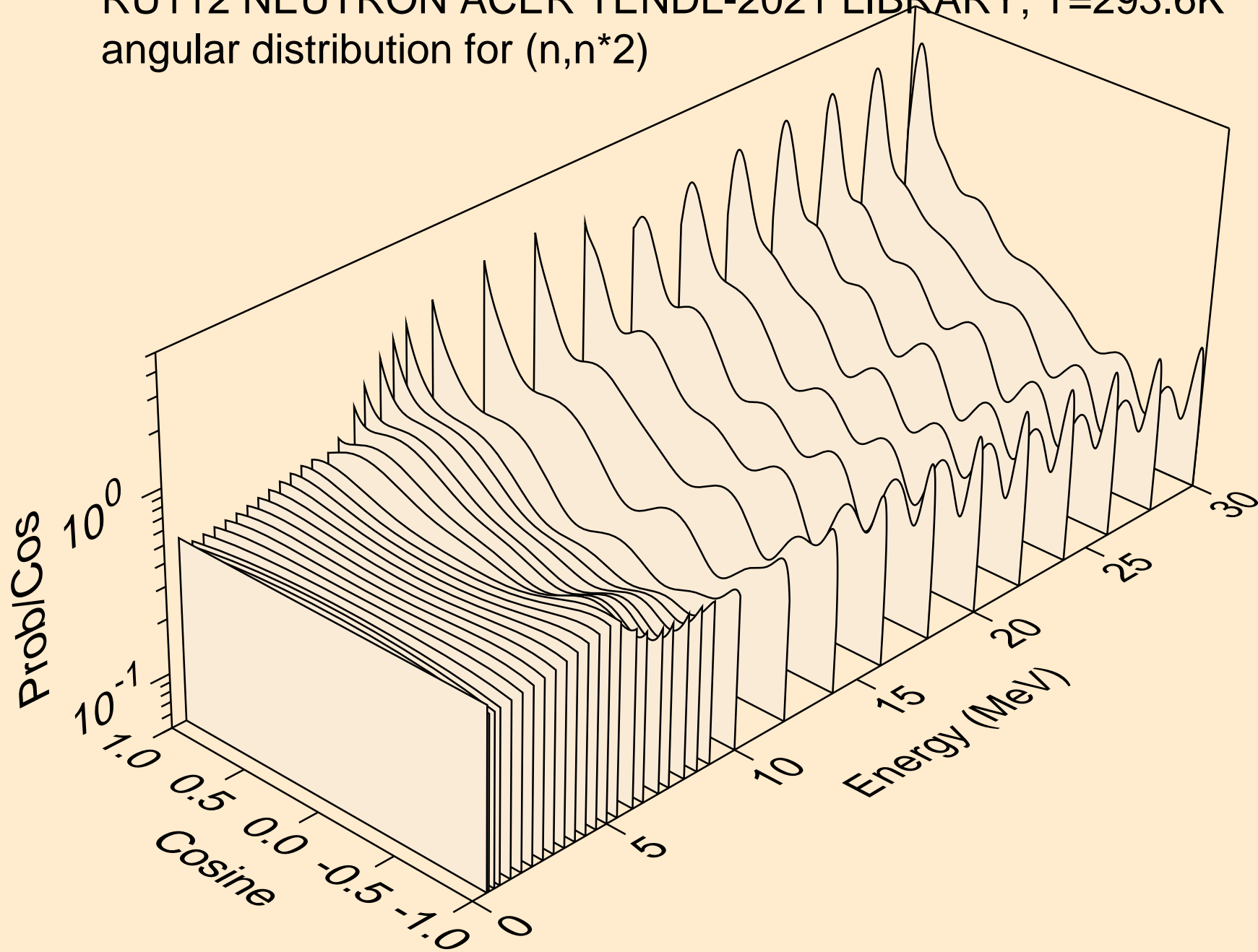
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angular distribution for elastic



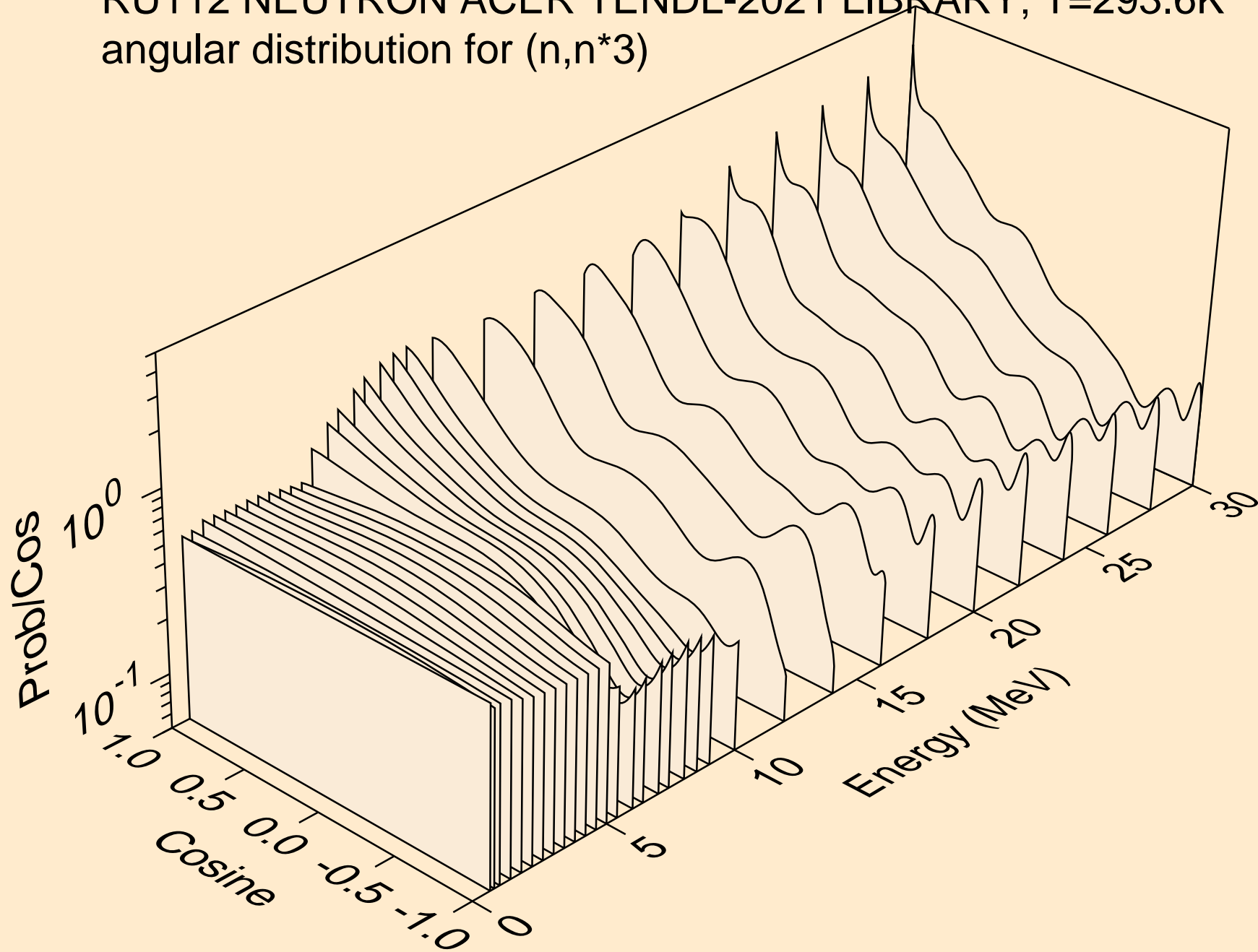
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angular distribution for (n,n\*1)



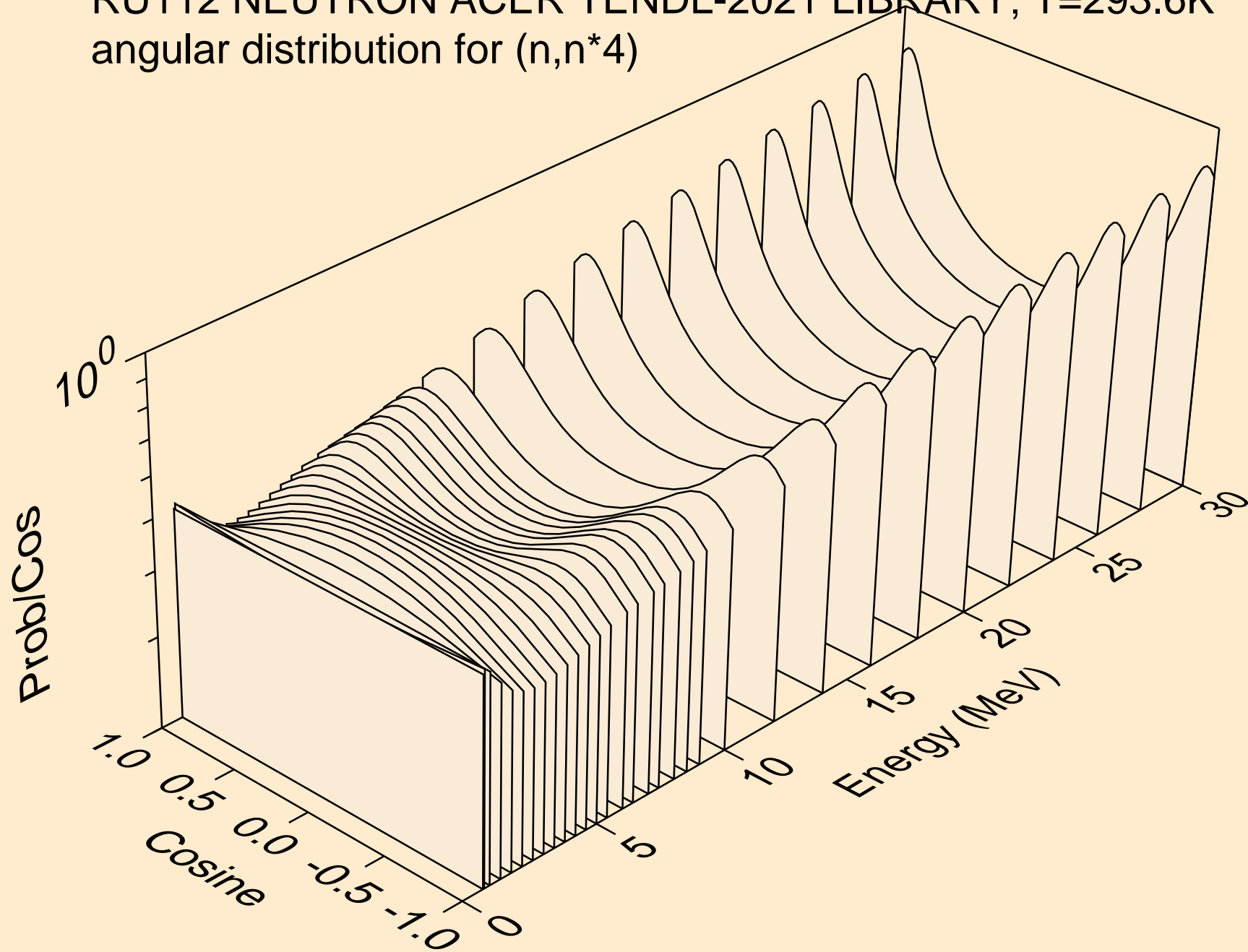
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angular distribution for (n,n\*2)



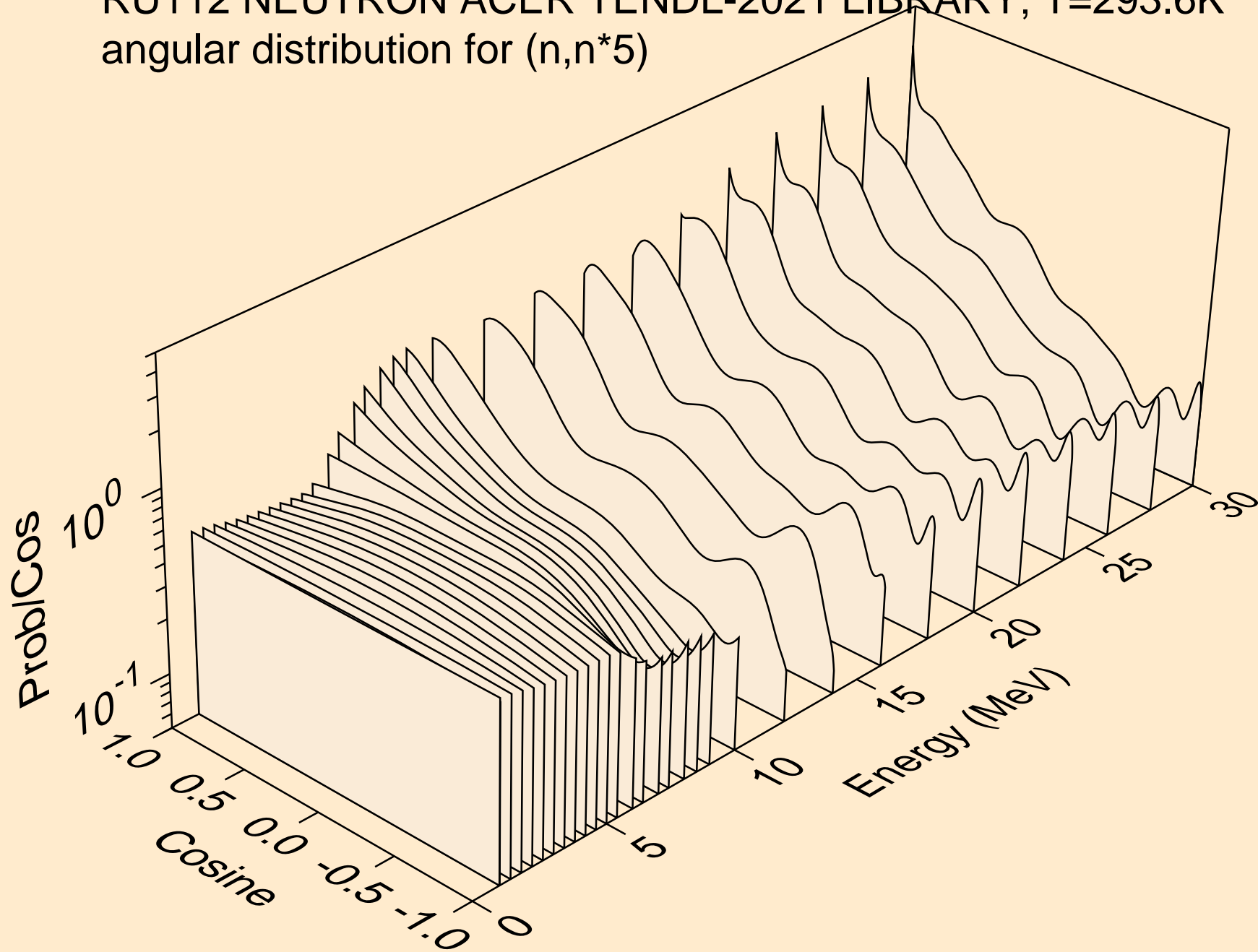
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angular distribution for (n,n\*3)



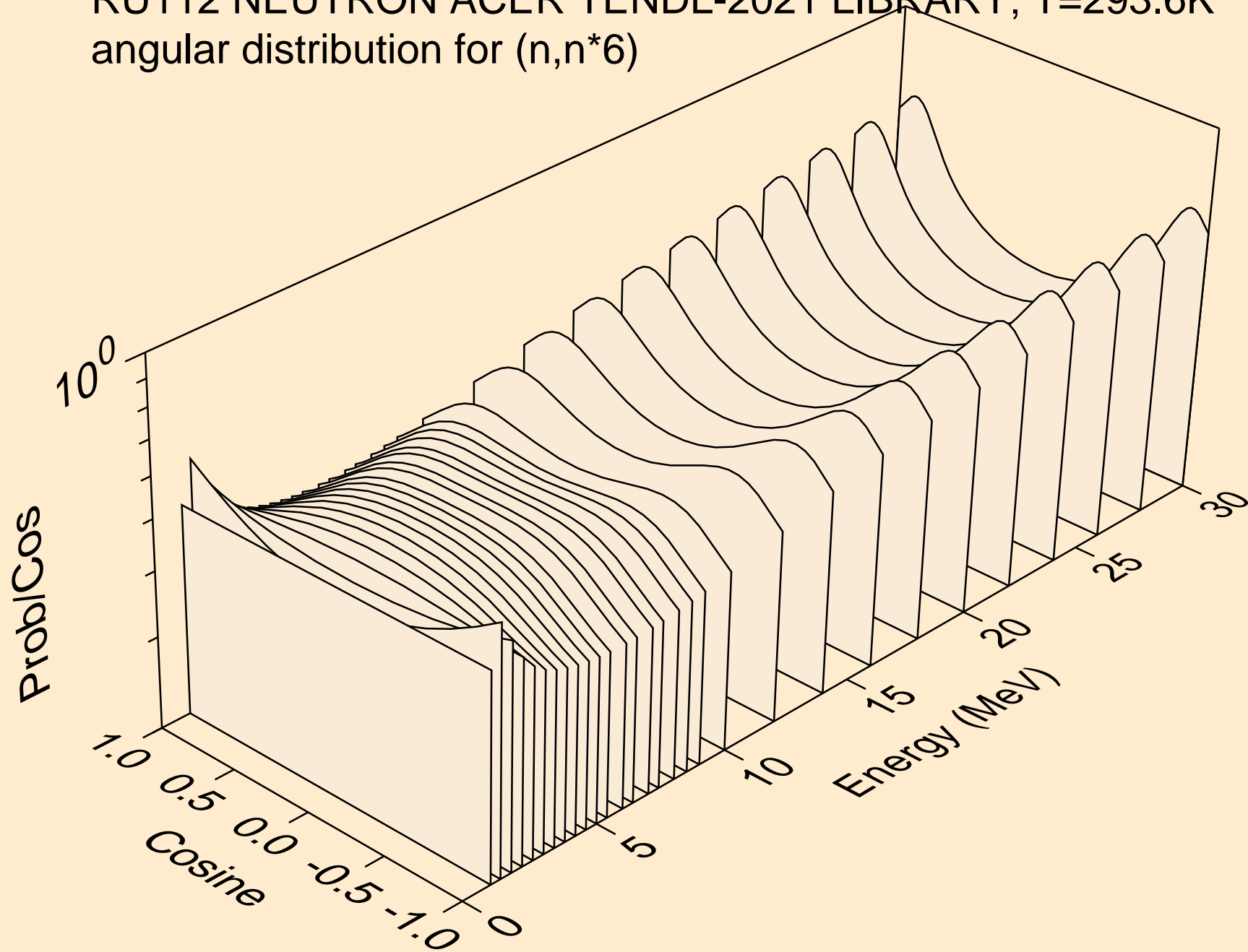
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angular distribution for (n,n\*4)



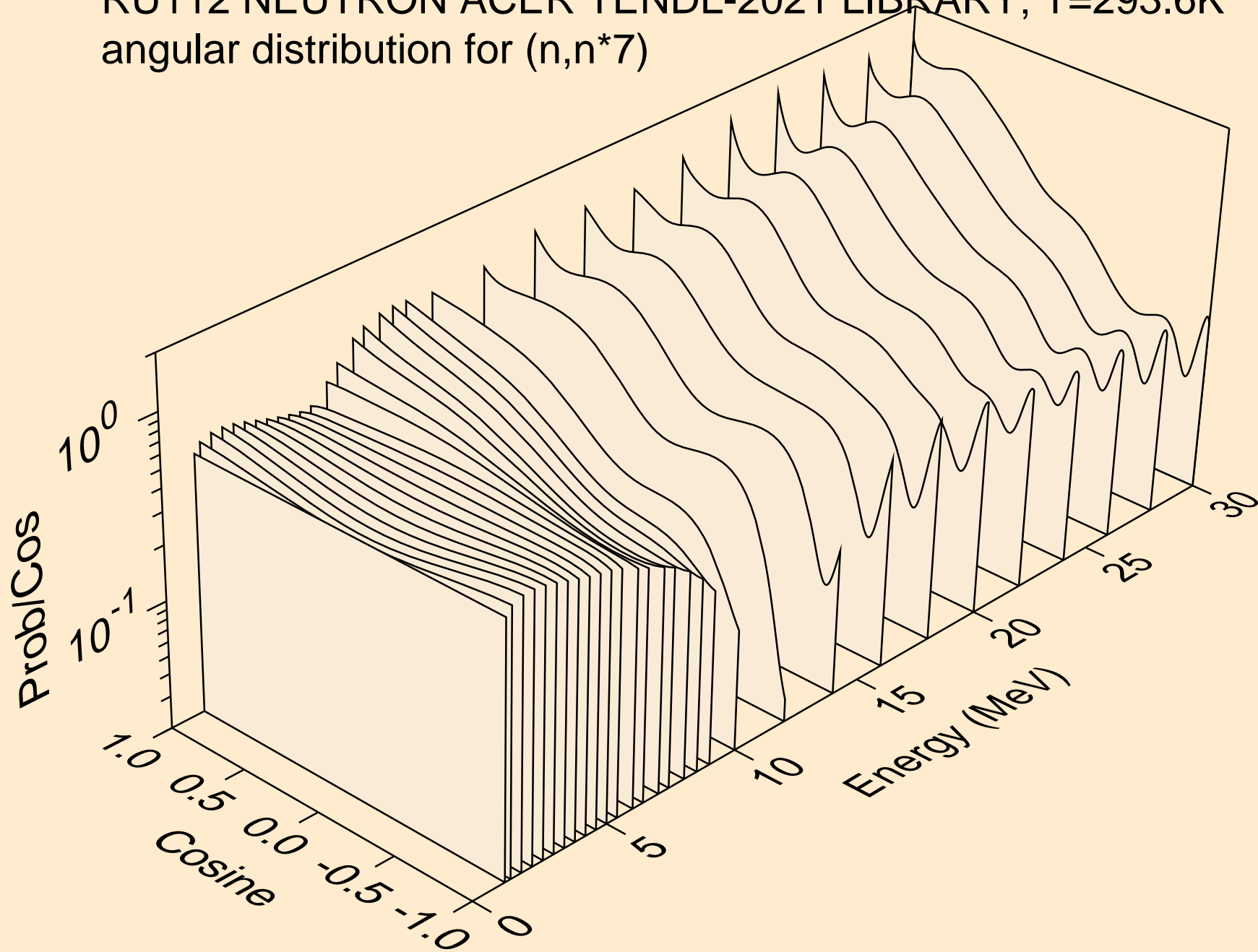
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

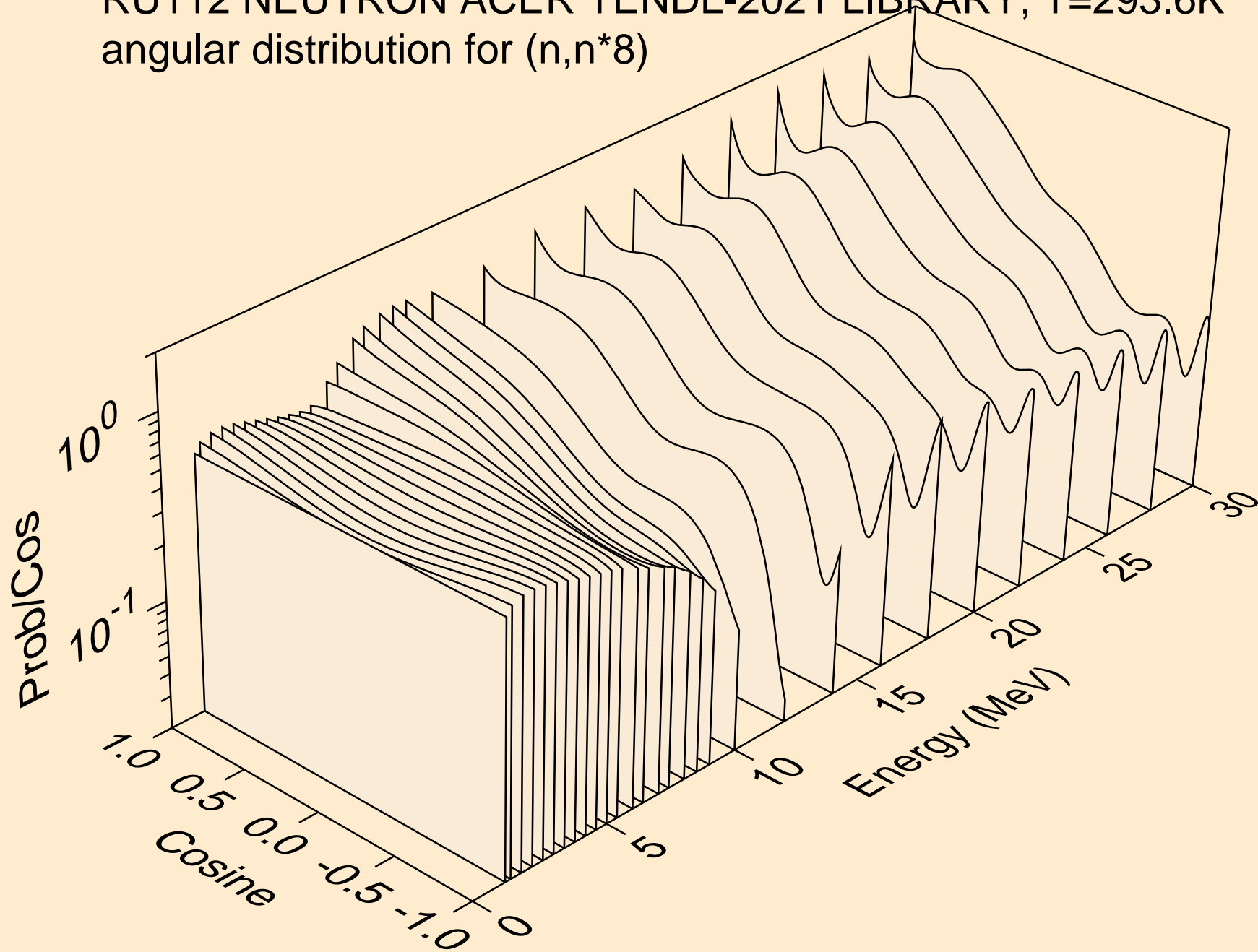


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angular distribution for (n,n\*7)

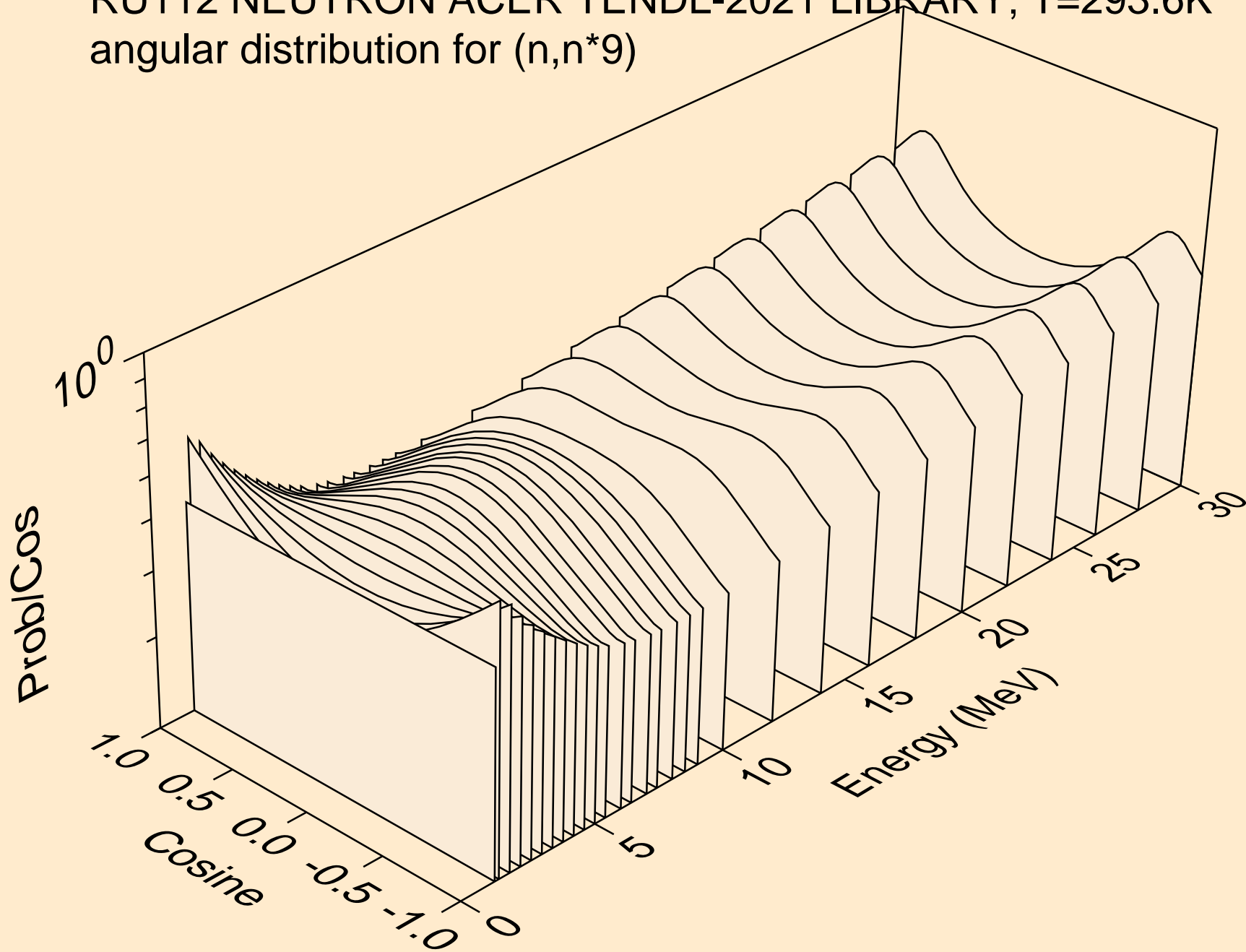




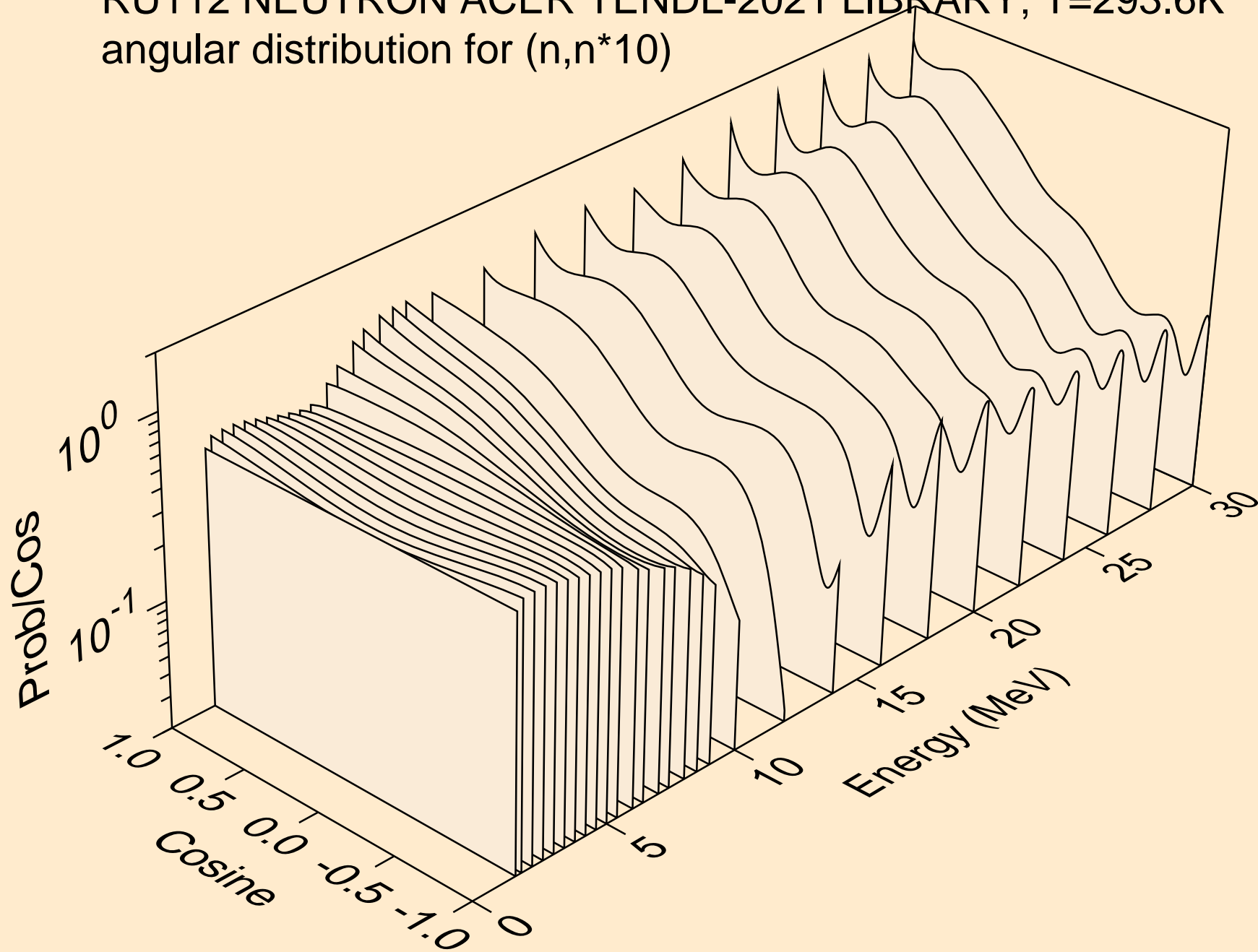
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angular distribution for (n,n\*8)



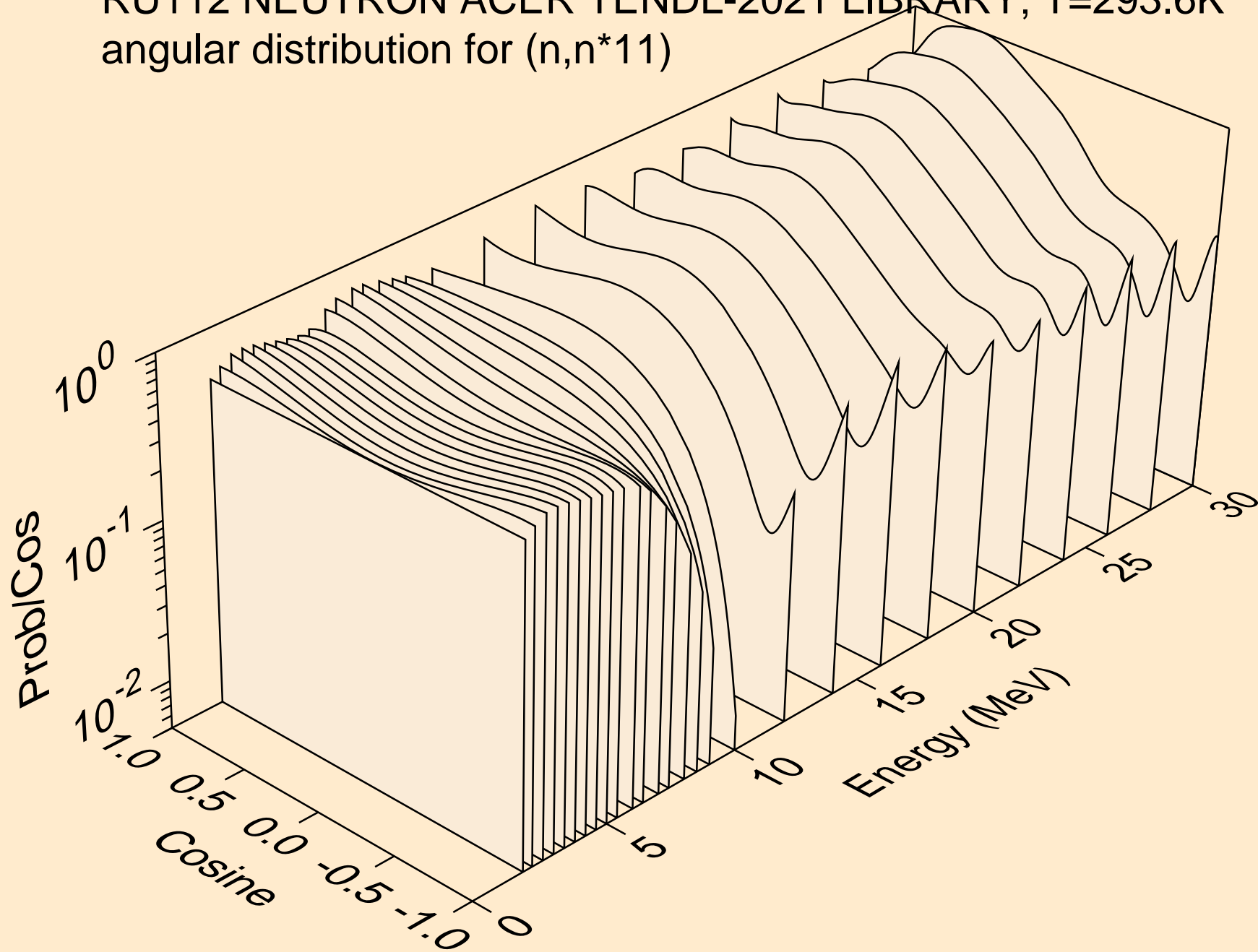
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angular distribution for (n,n\*9)



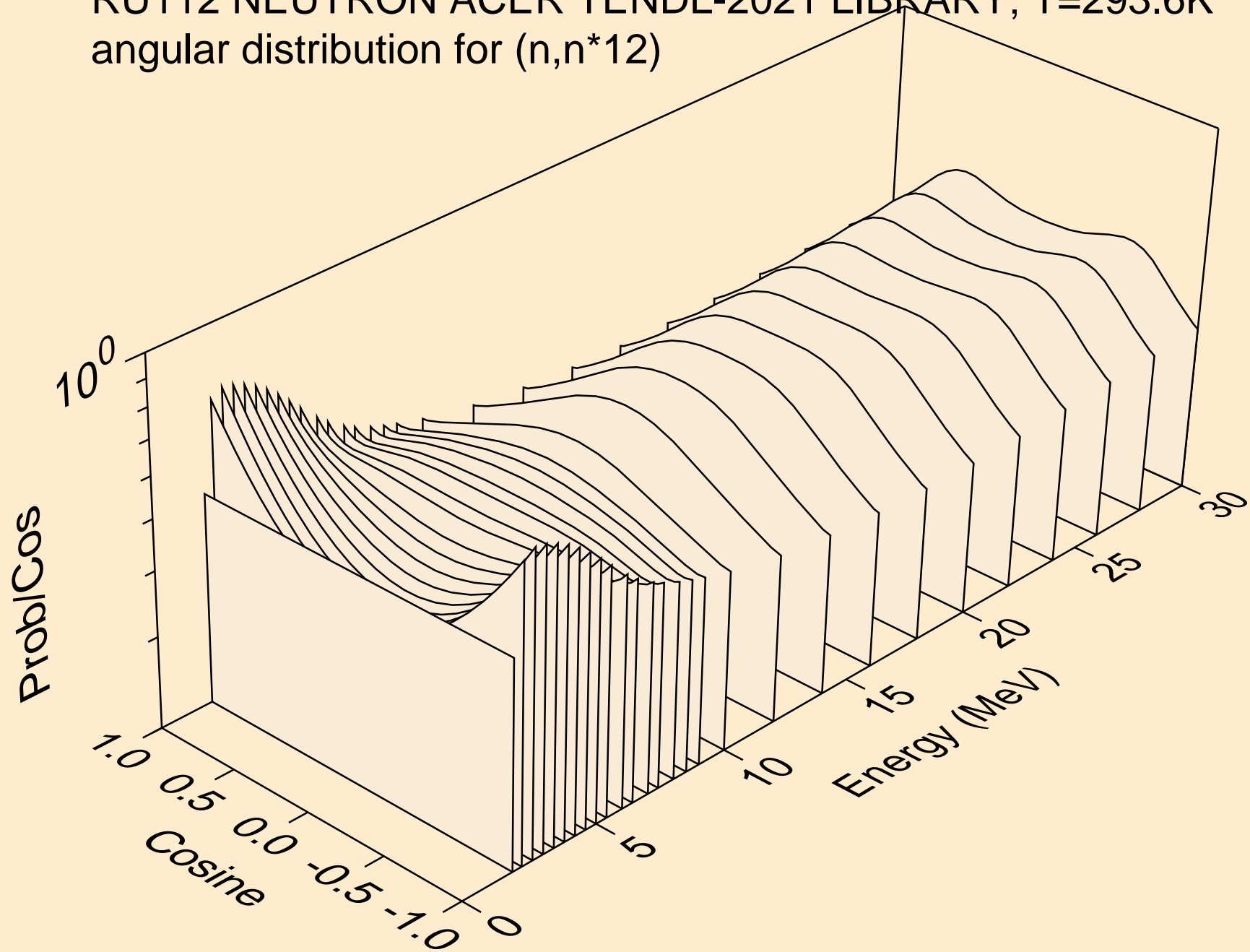
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angular distribution for (n,n\*10)



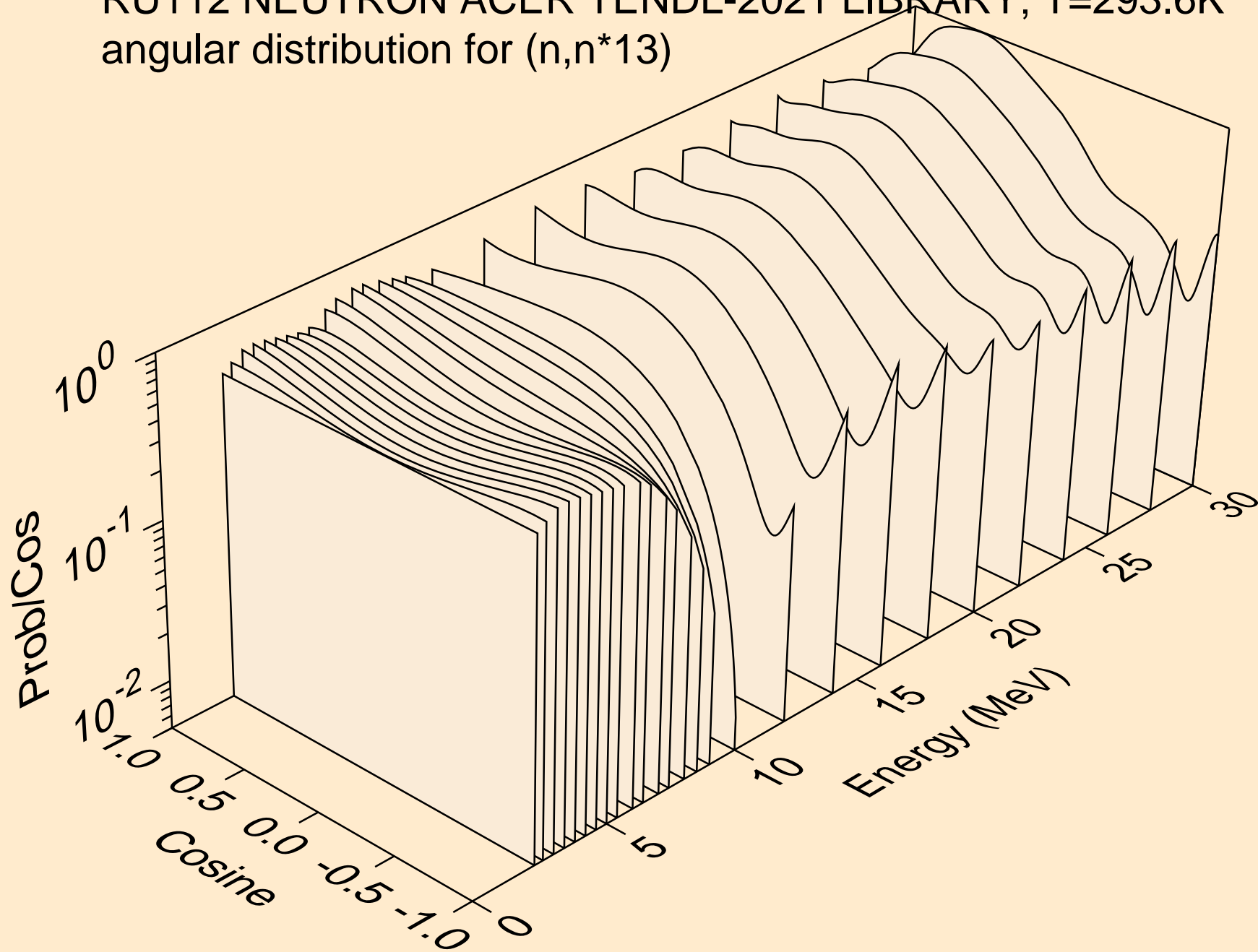
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angular distribution for (n,n\*11)



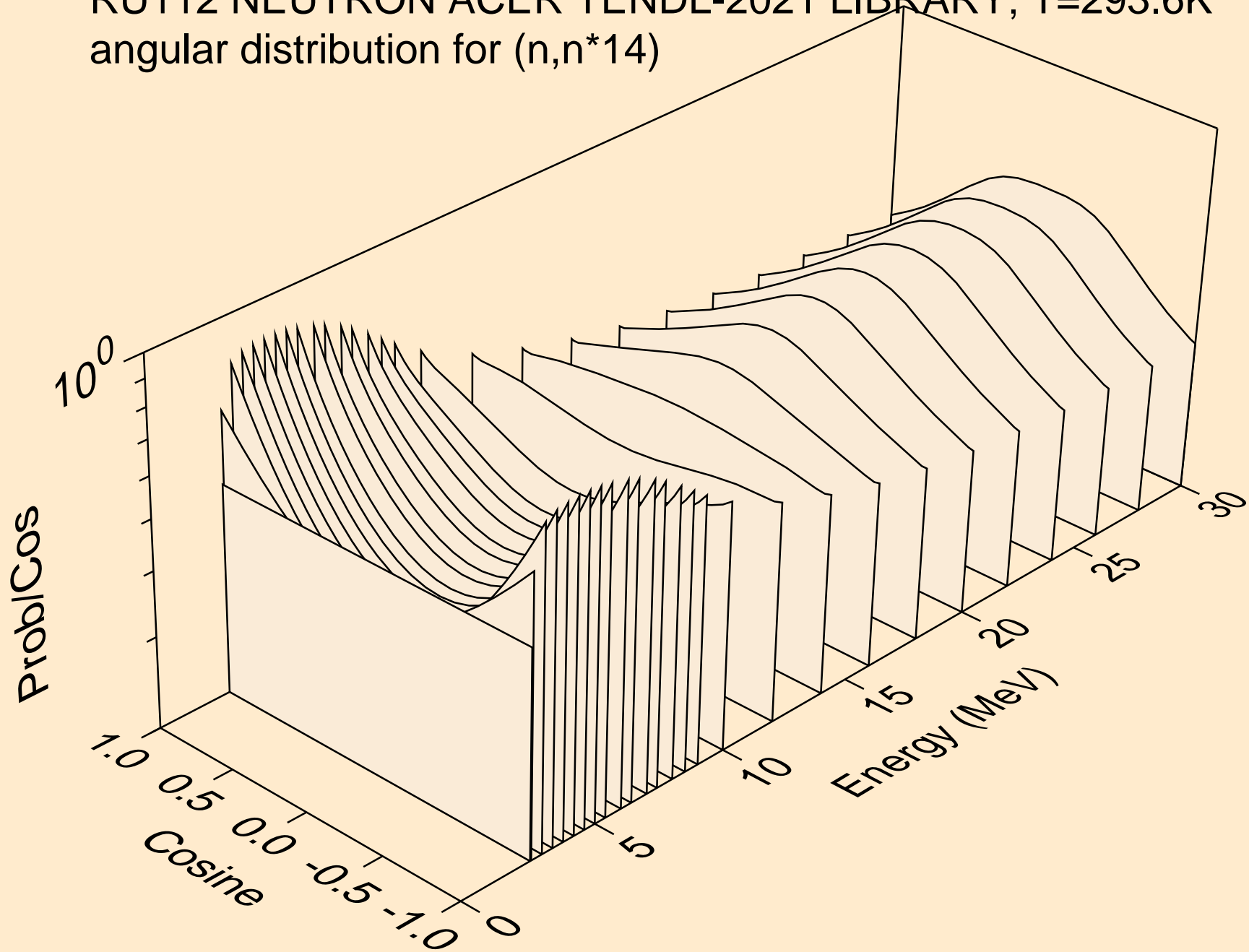
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angular distribution for (n,n\*12)



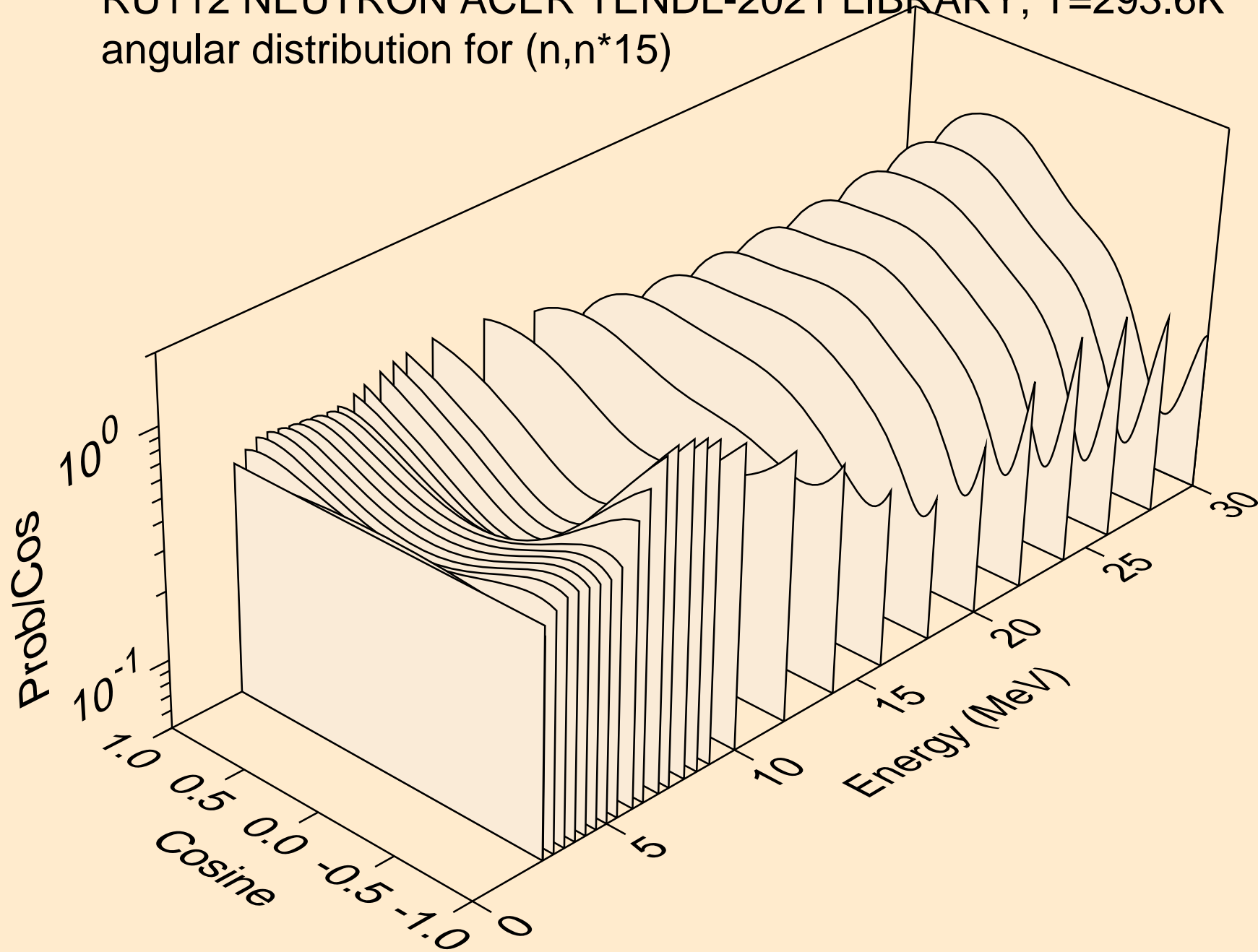
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

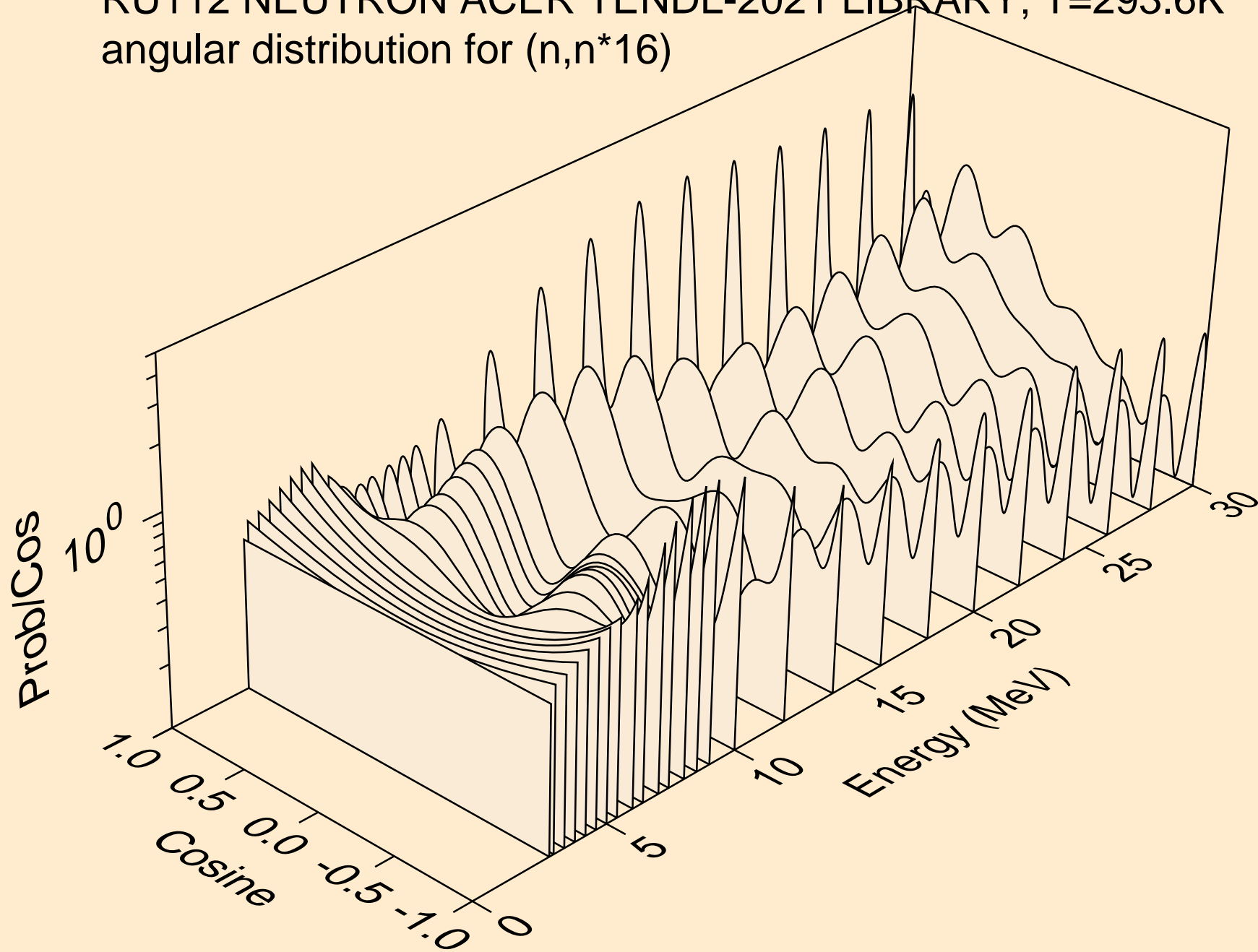


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

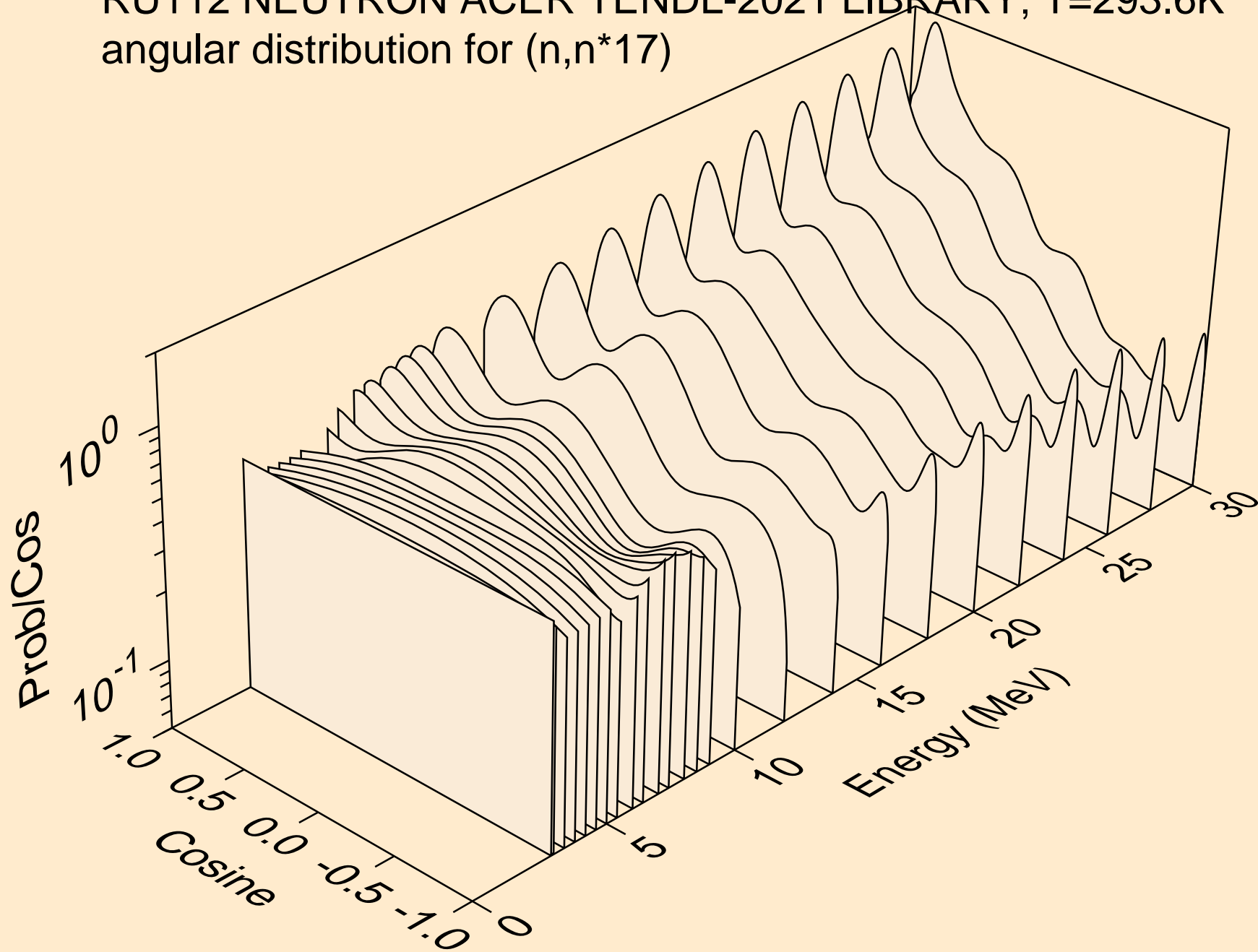




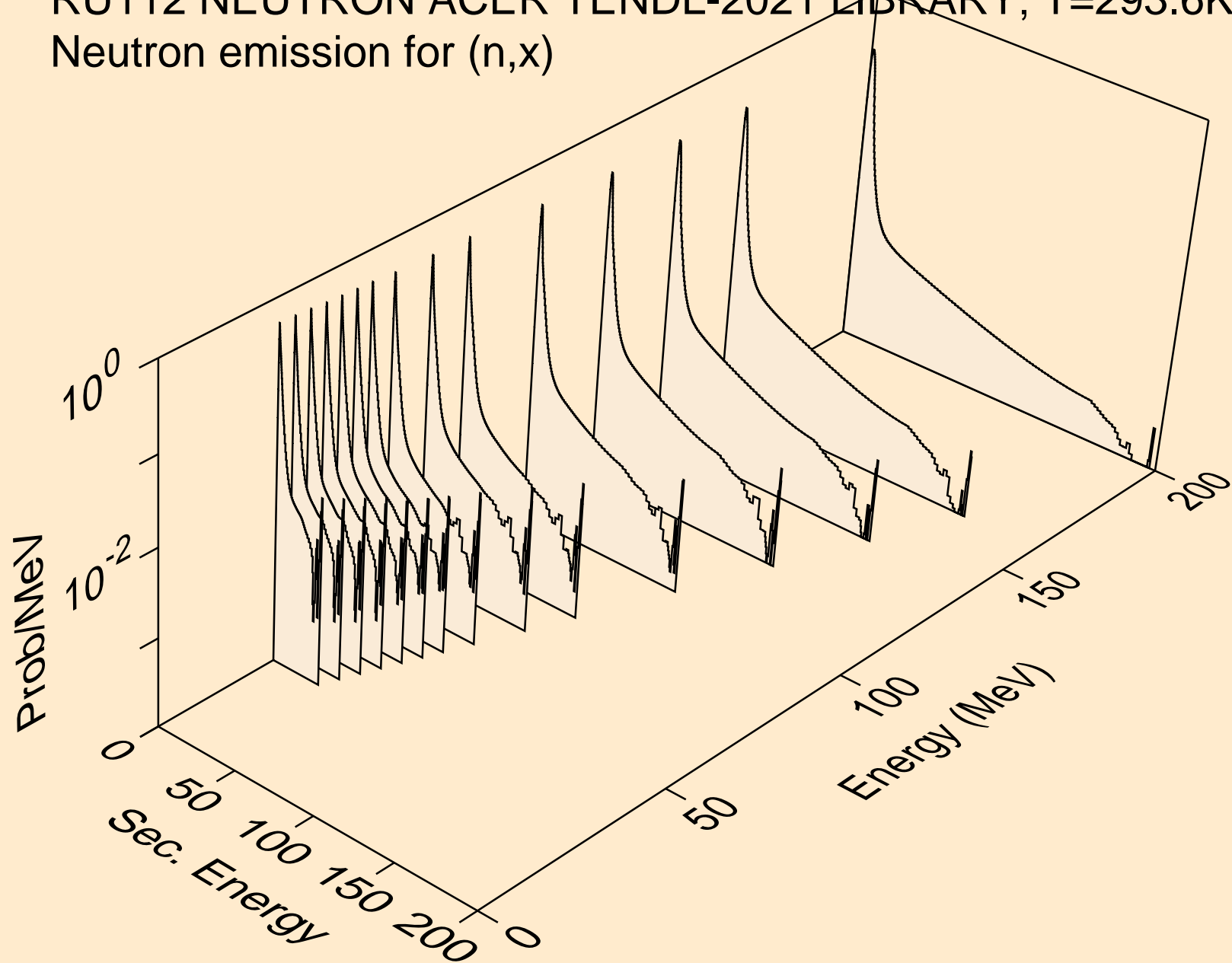
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angular distribution for (n,n\*16)



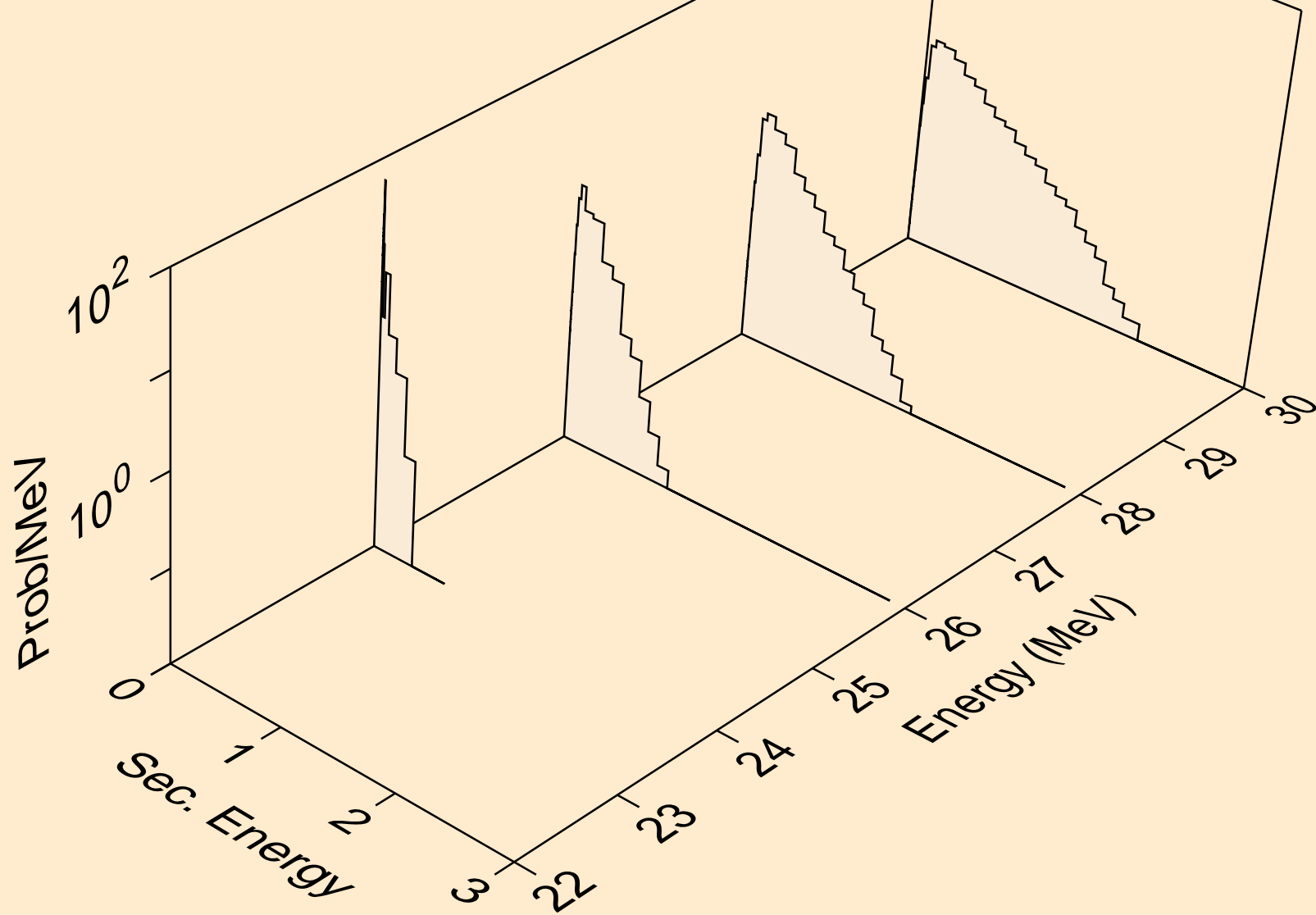
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angular distribution for (n,n\*17)



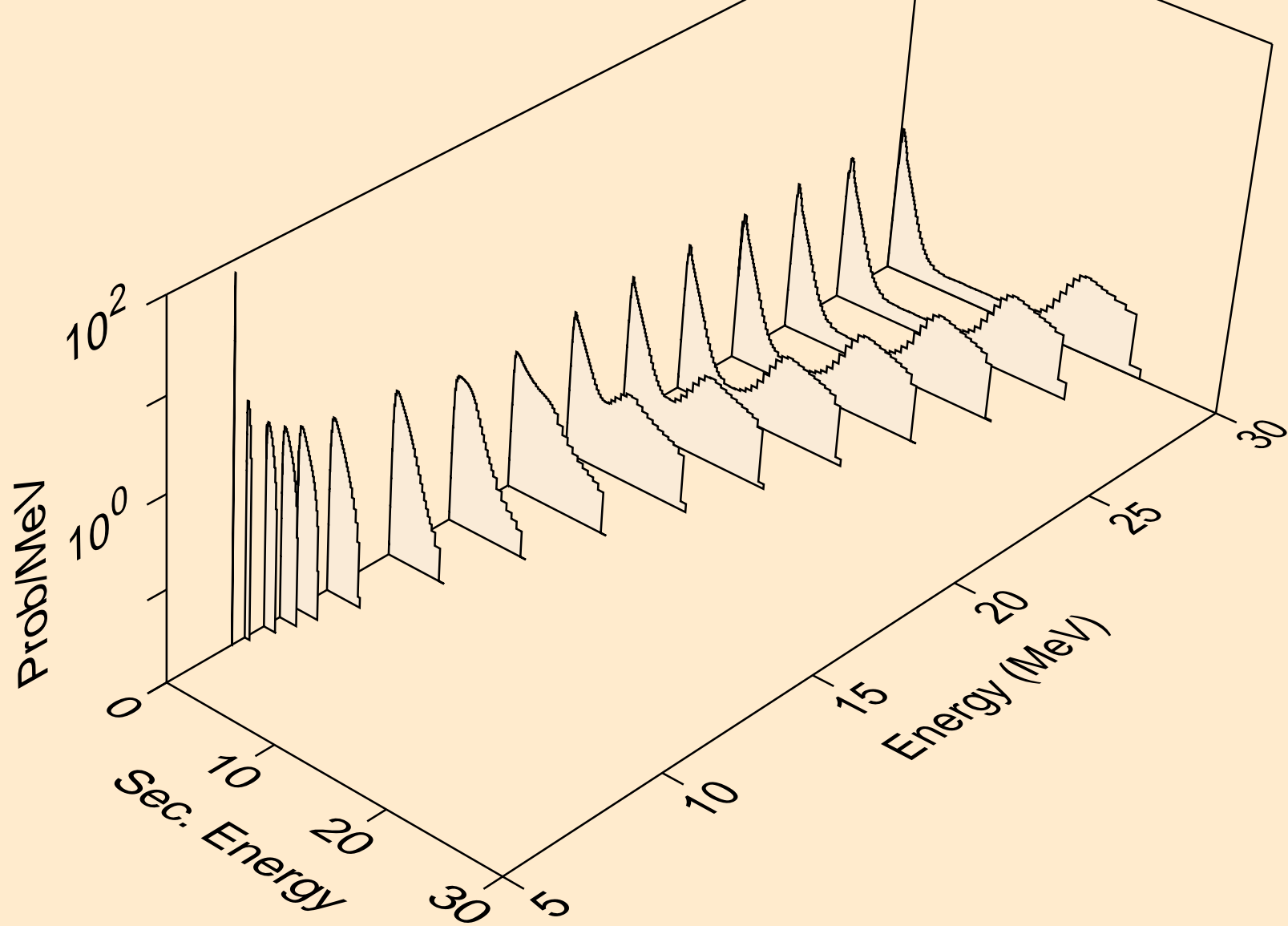
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Neutron emission for (n,x)



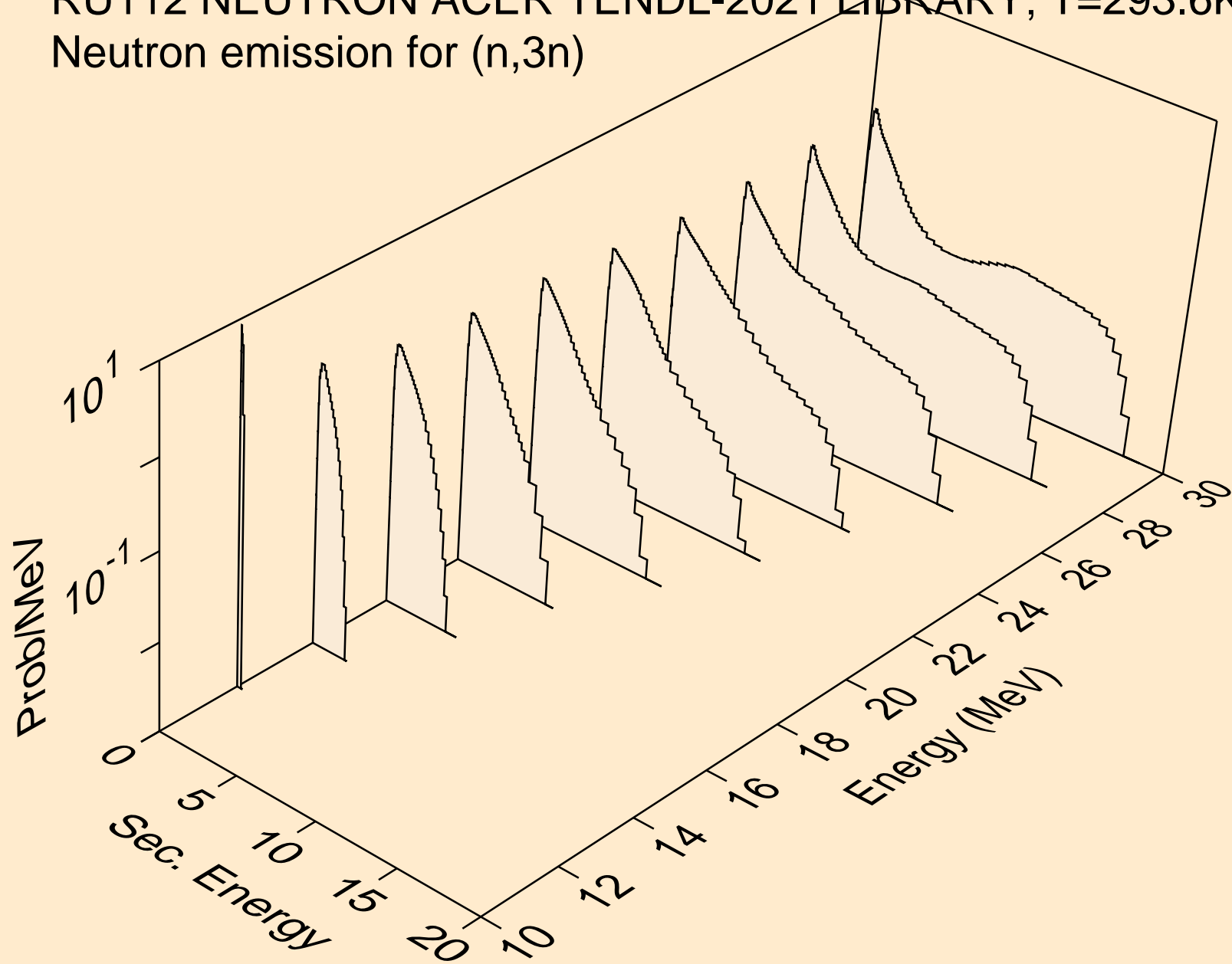
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



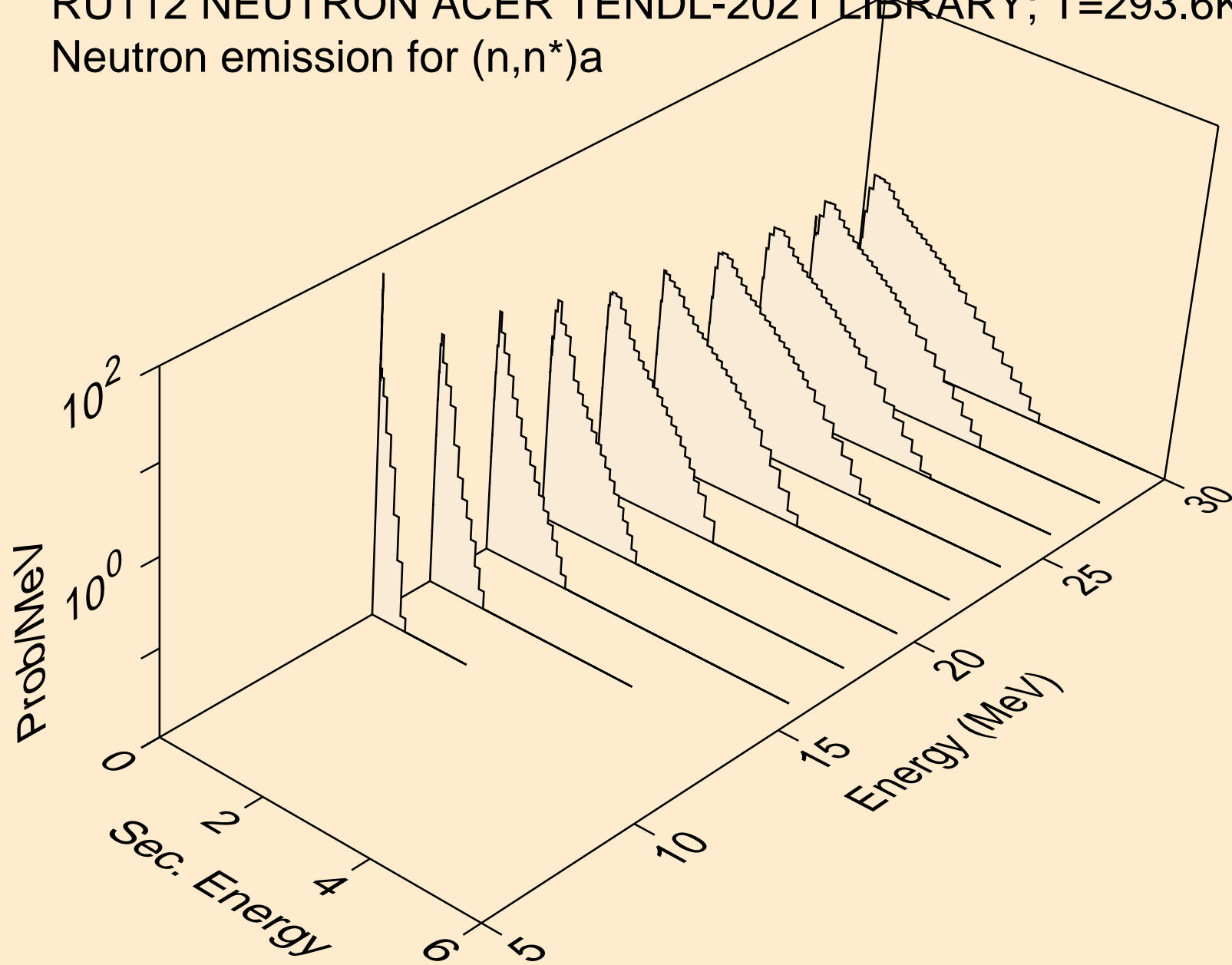
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



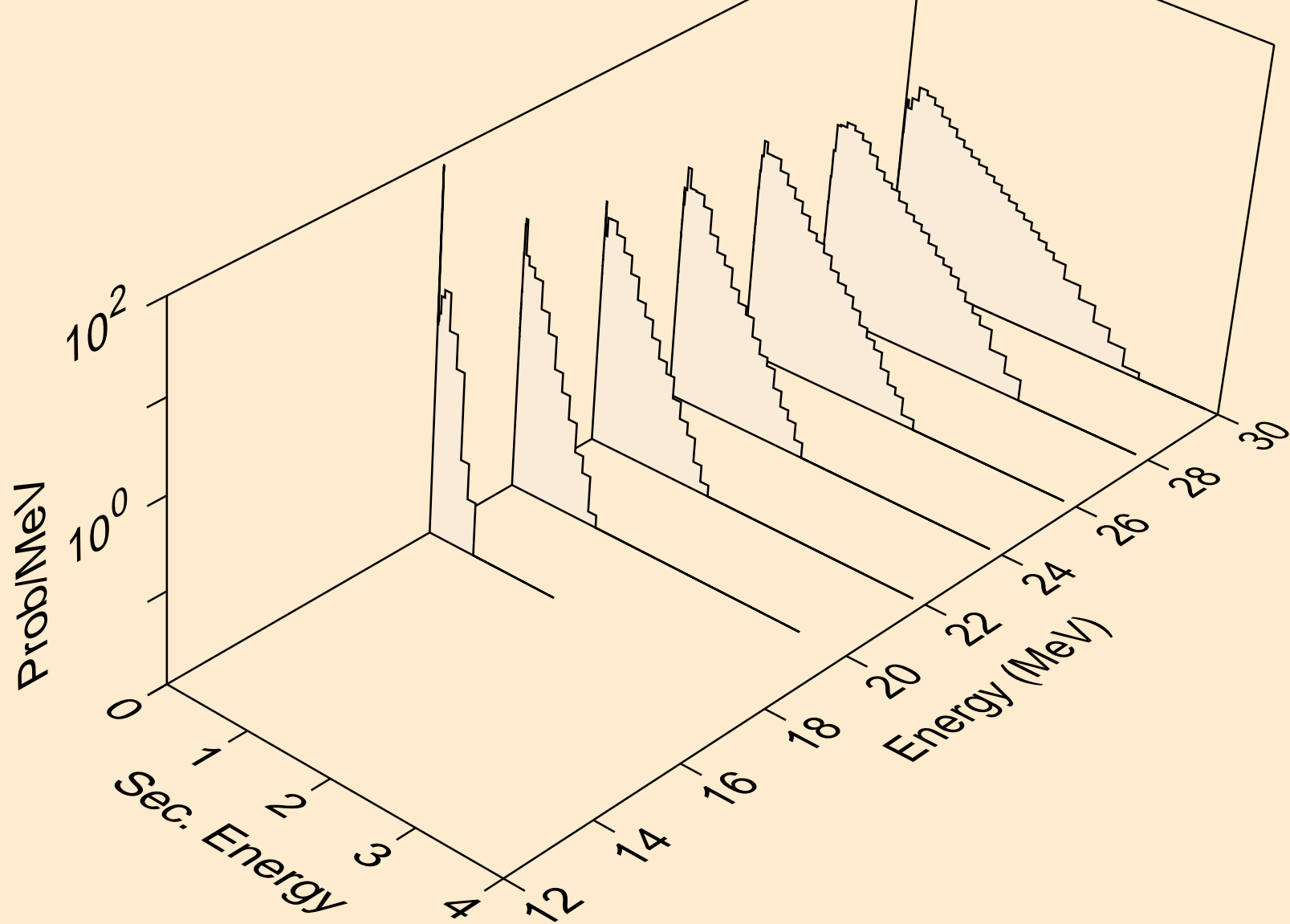
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

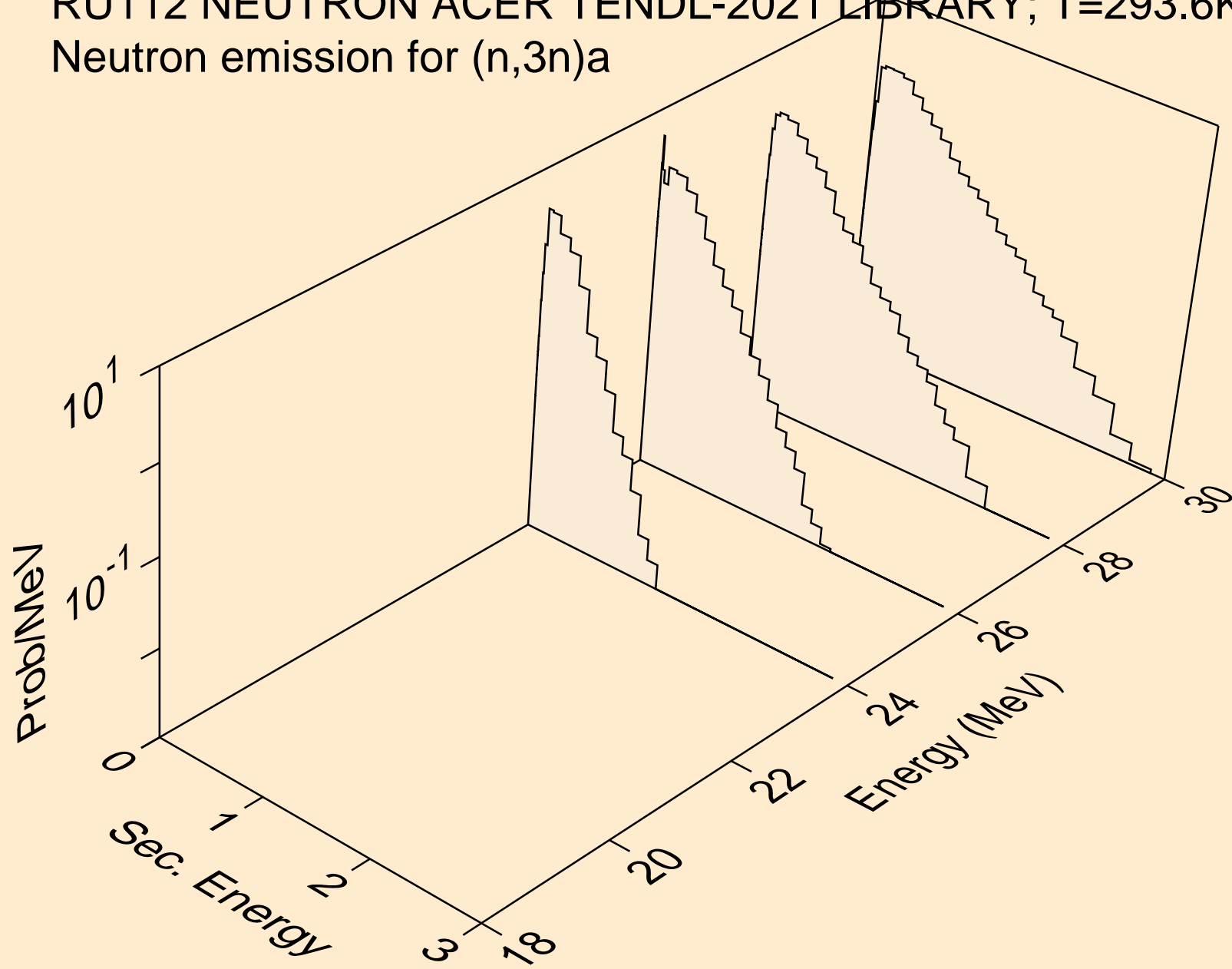


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Neutron emission for (n,2n)<sub>a</sub>

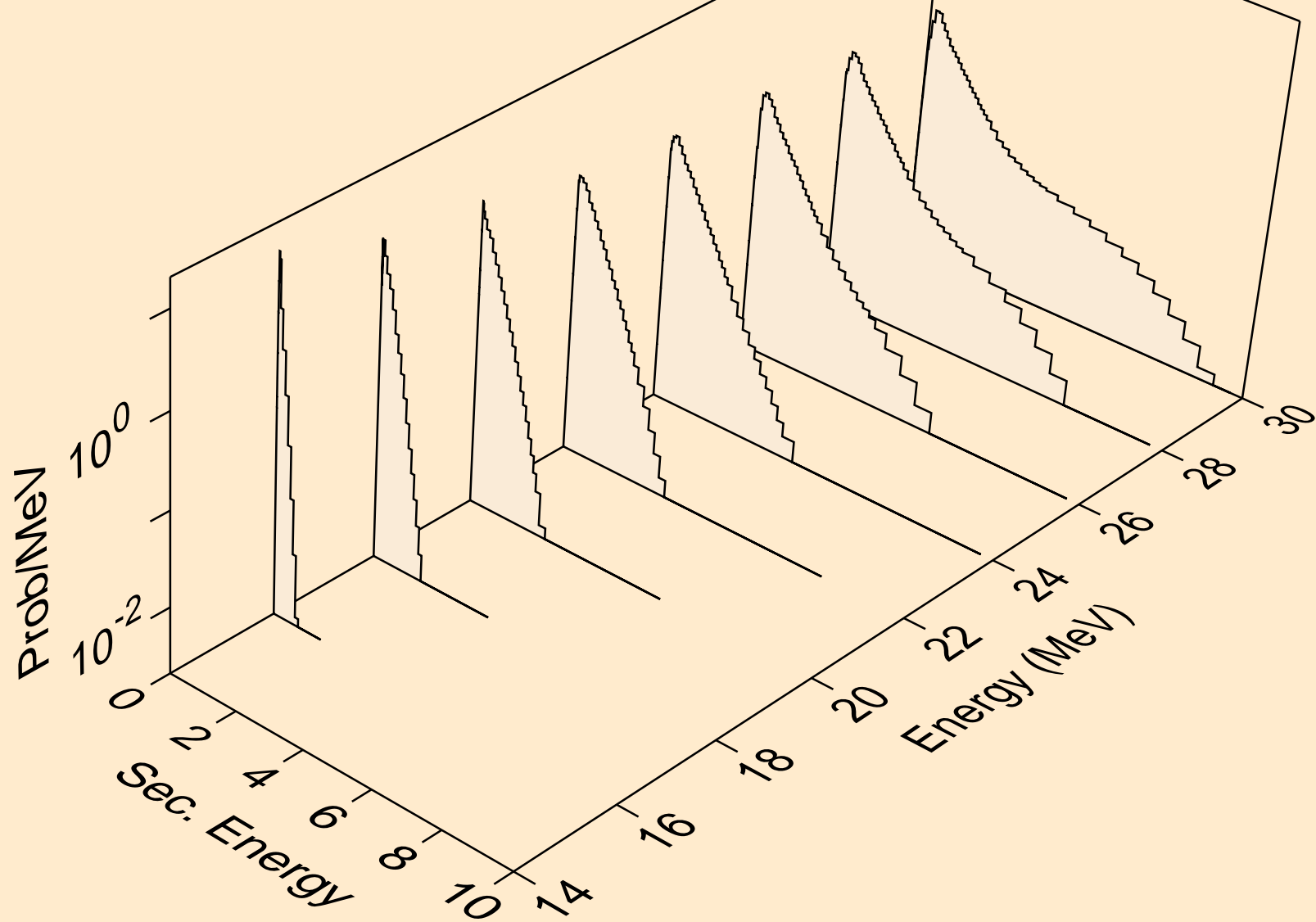




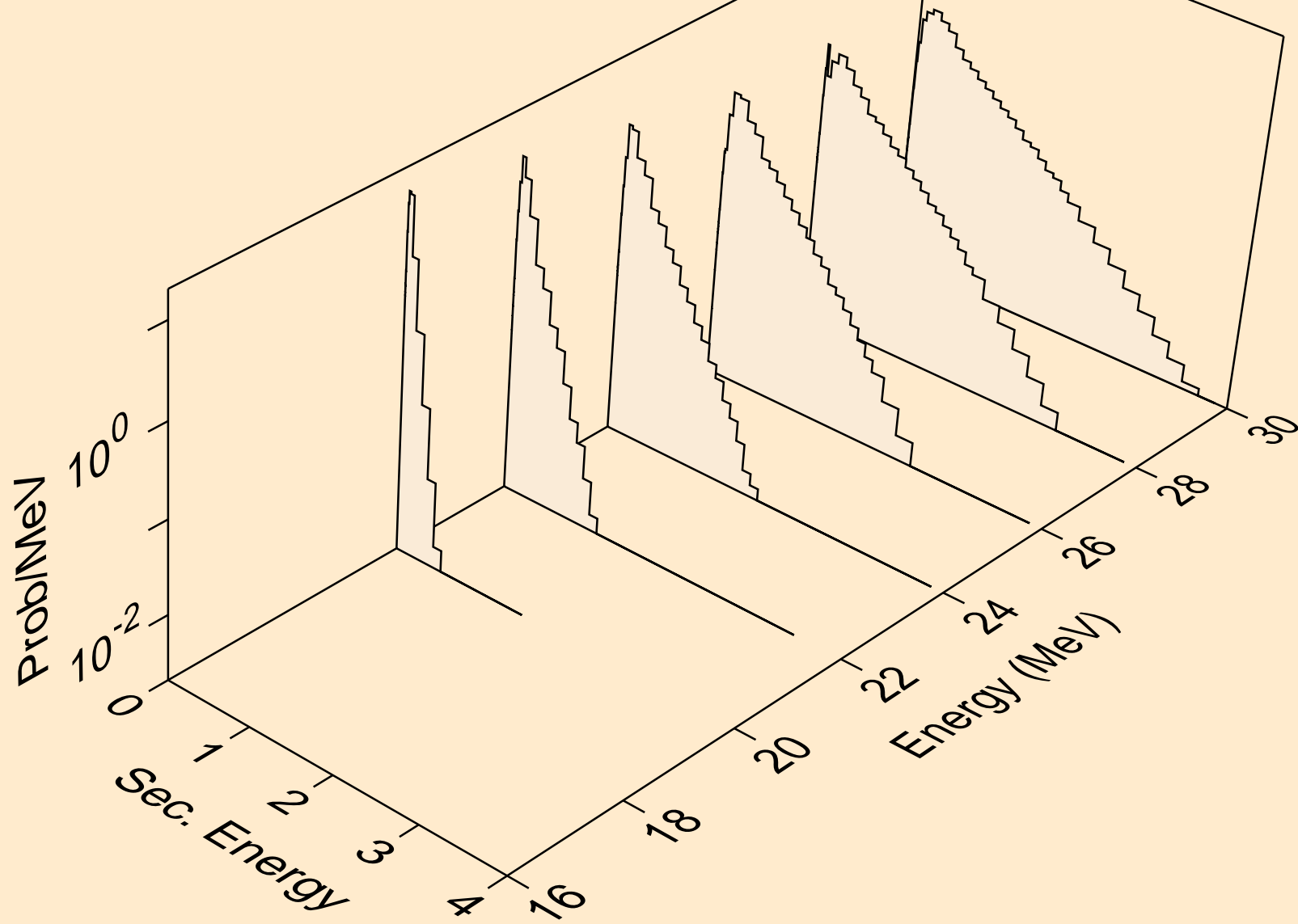
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Neutron emission for (n,3n)a



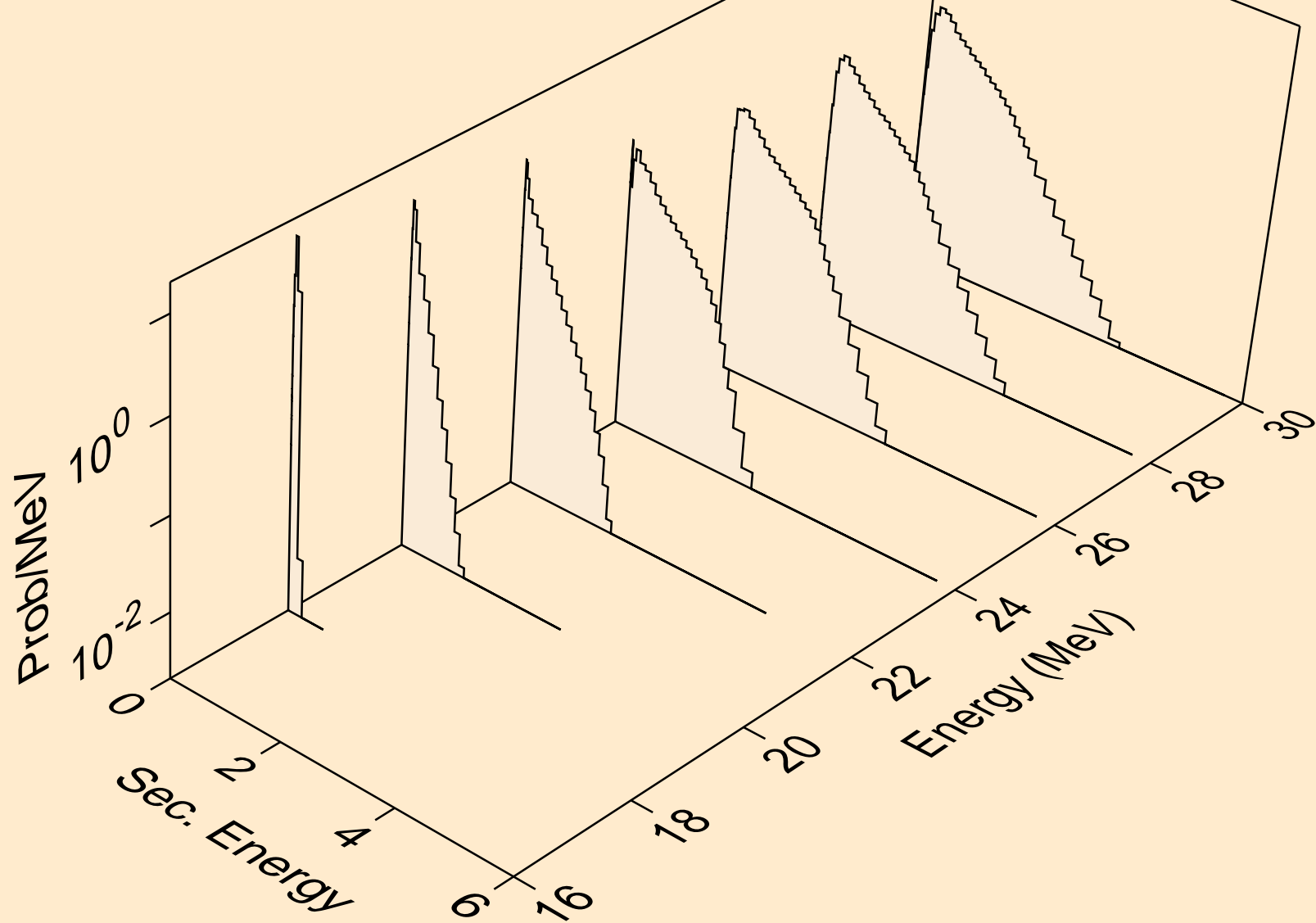
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



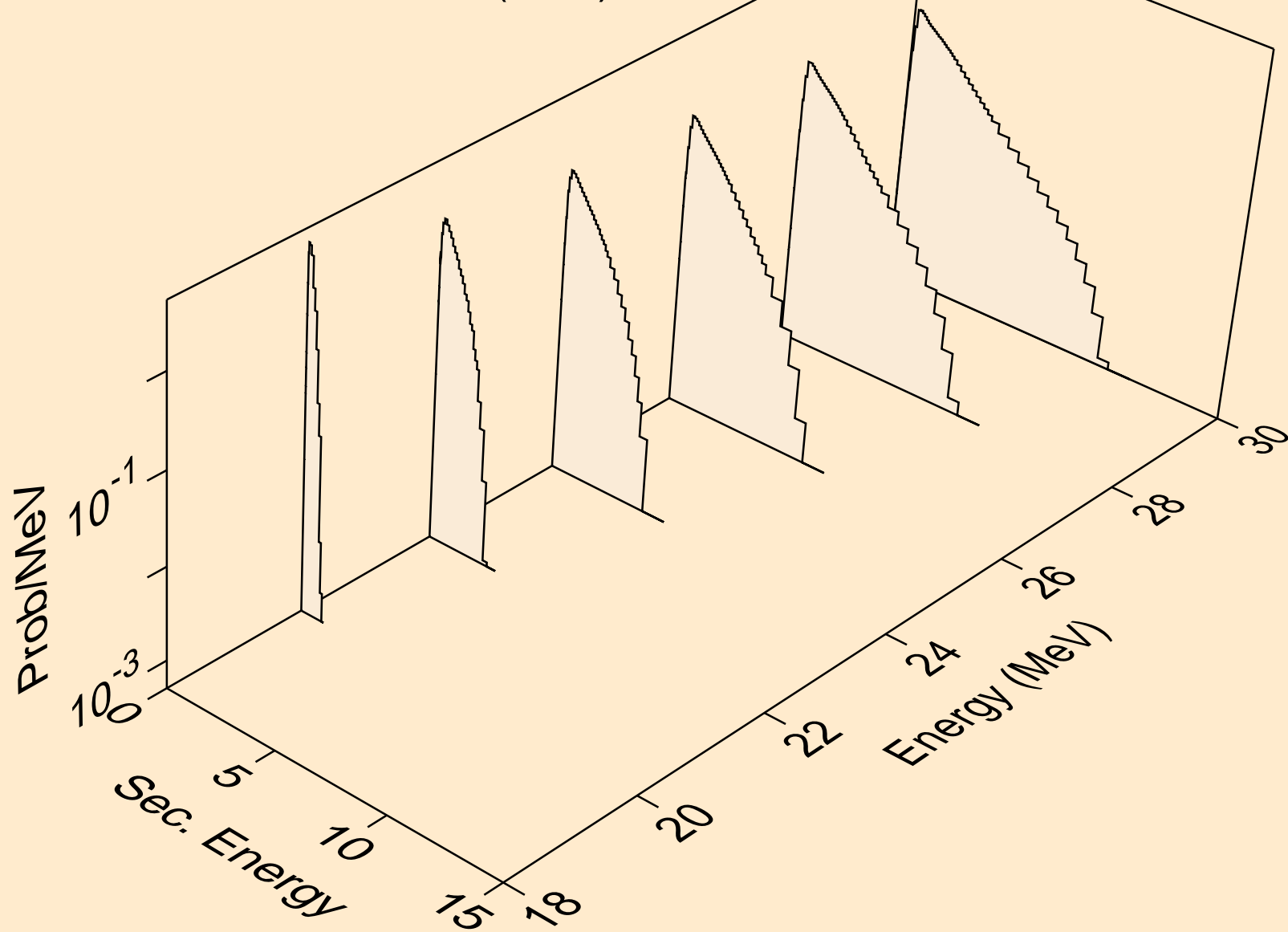
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Neutron emission for (n,n\*)d



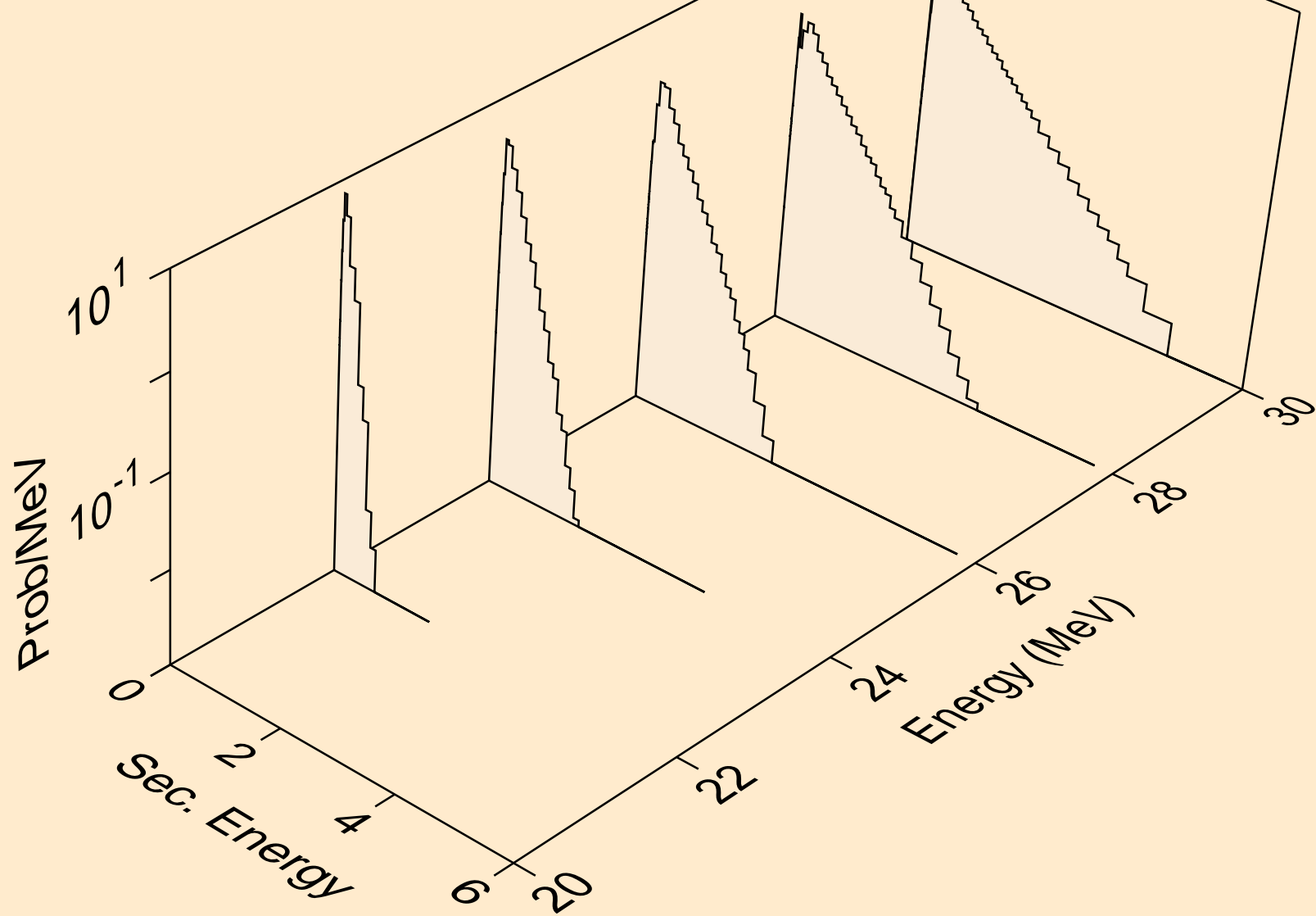
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Neutron emission for (n,n\*)t



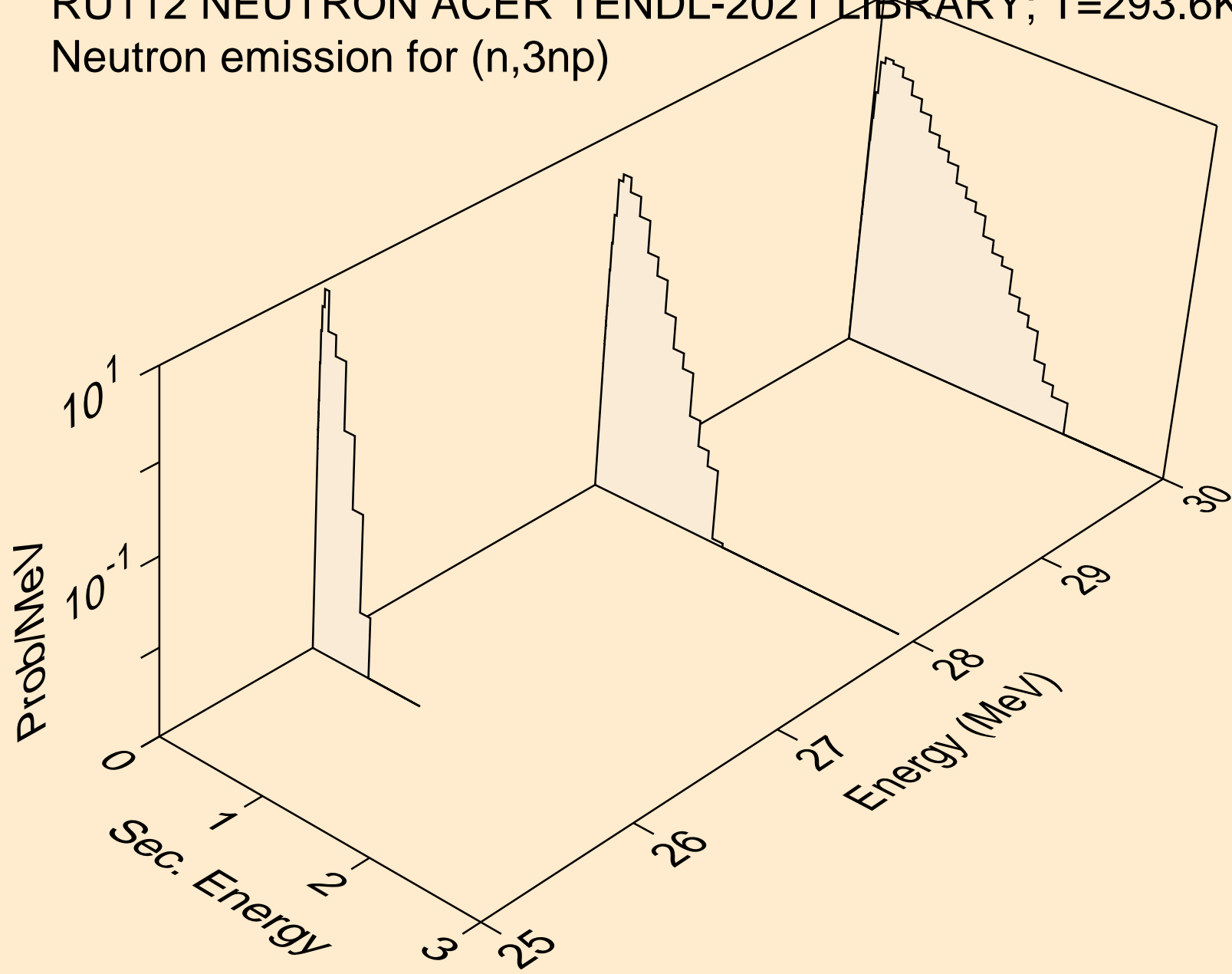
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



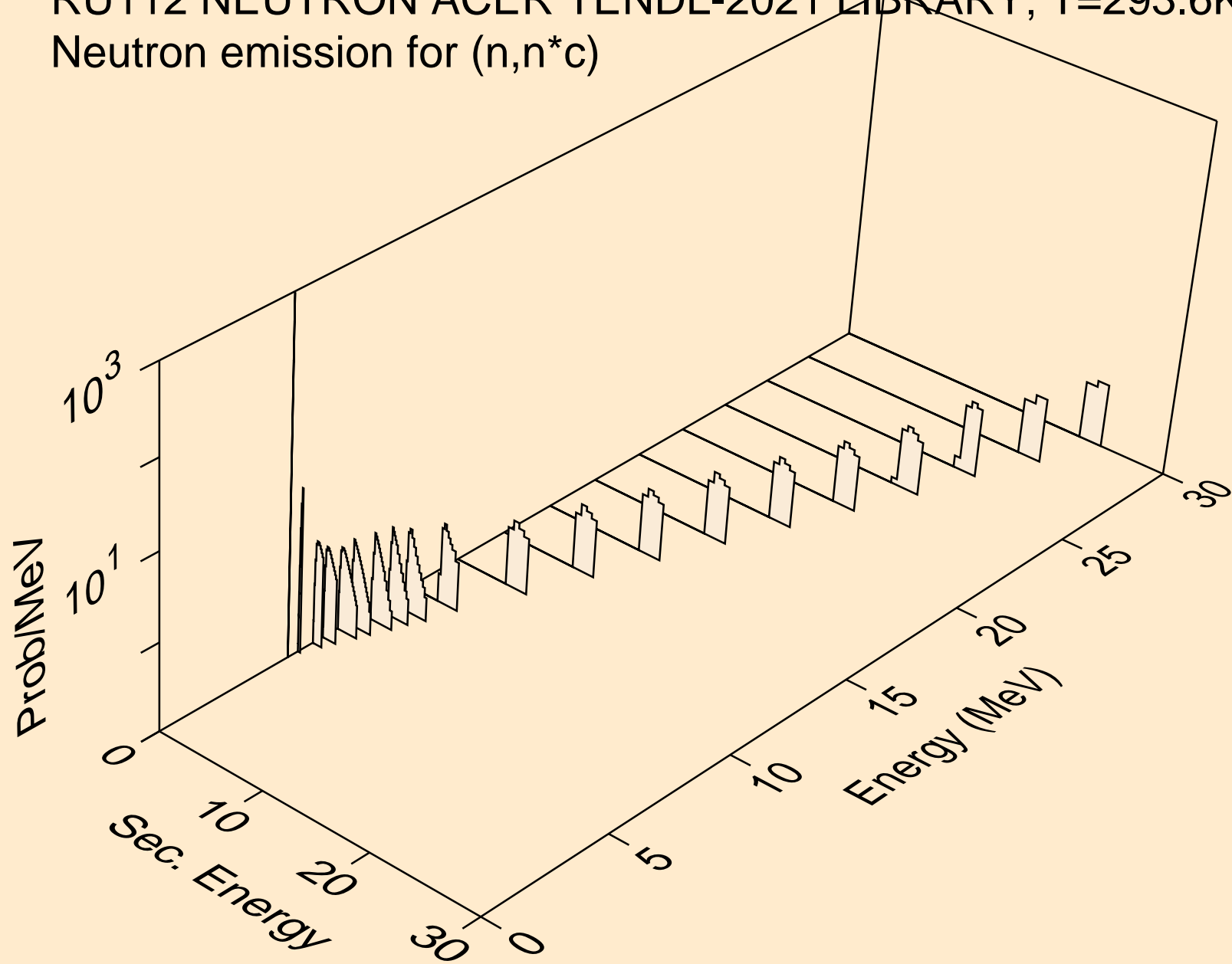
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

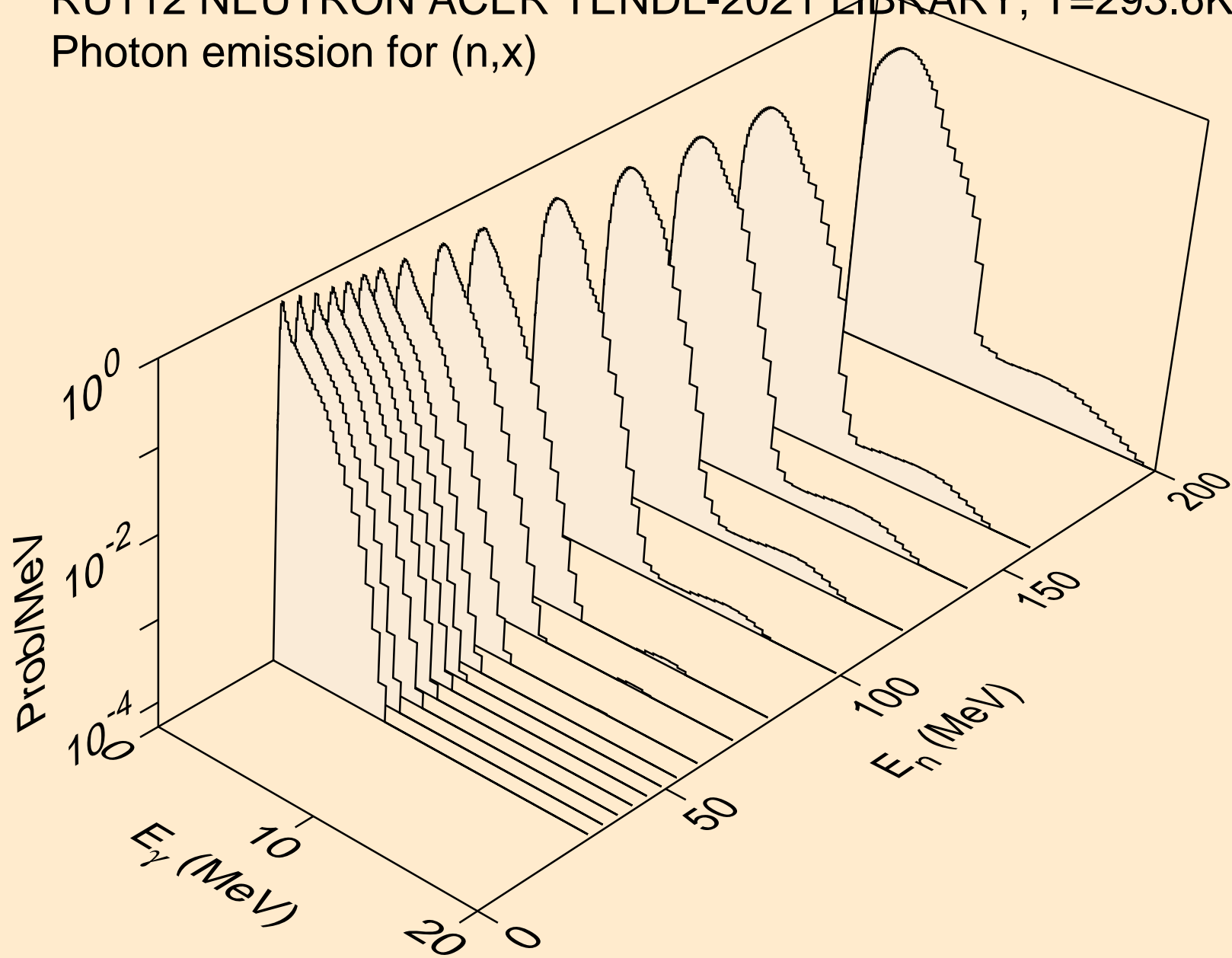


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

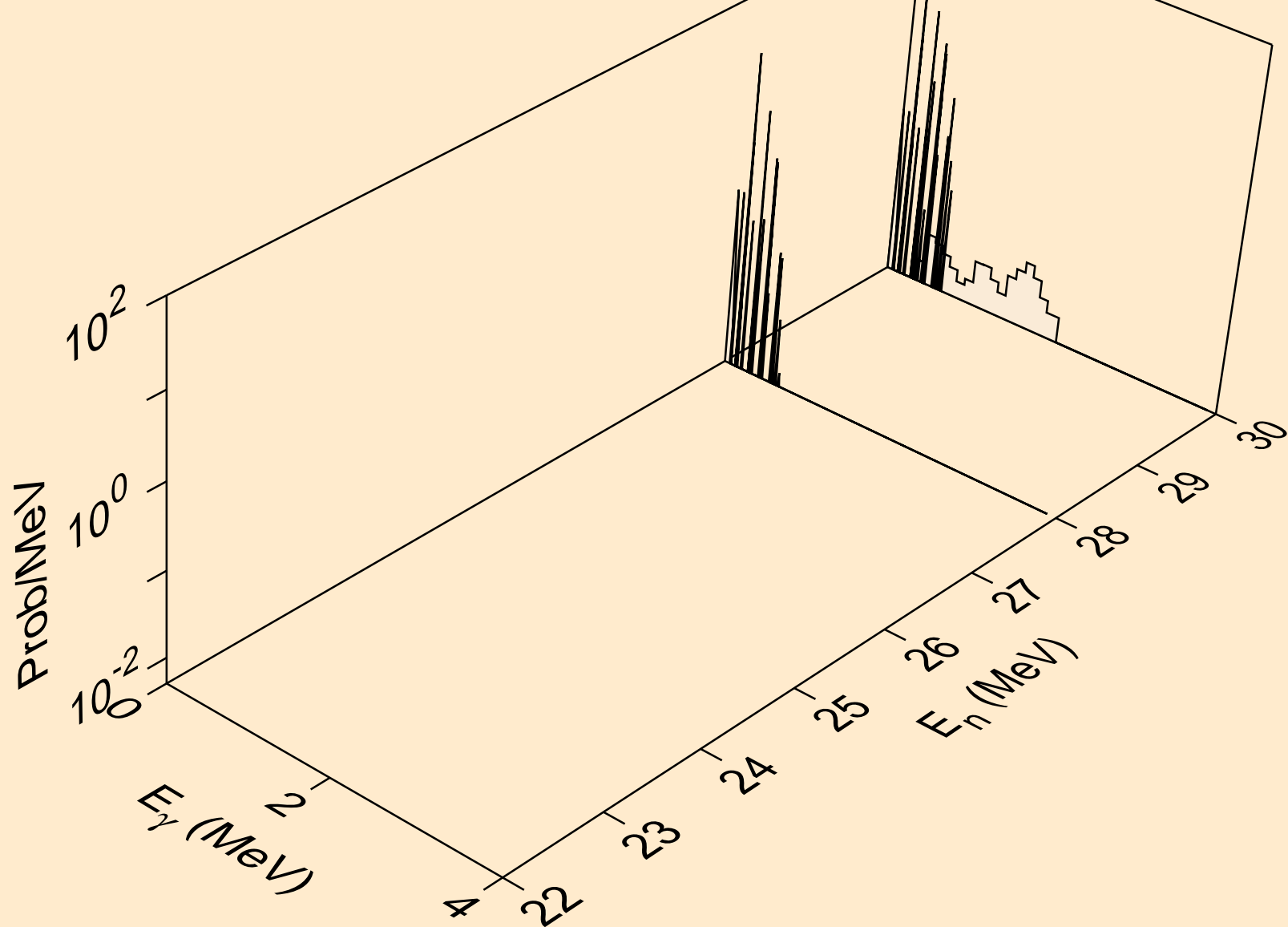




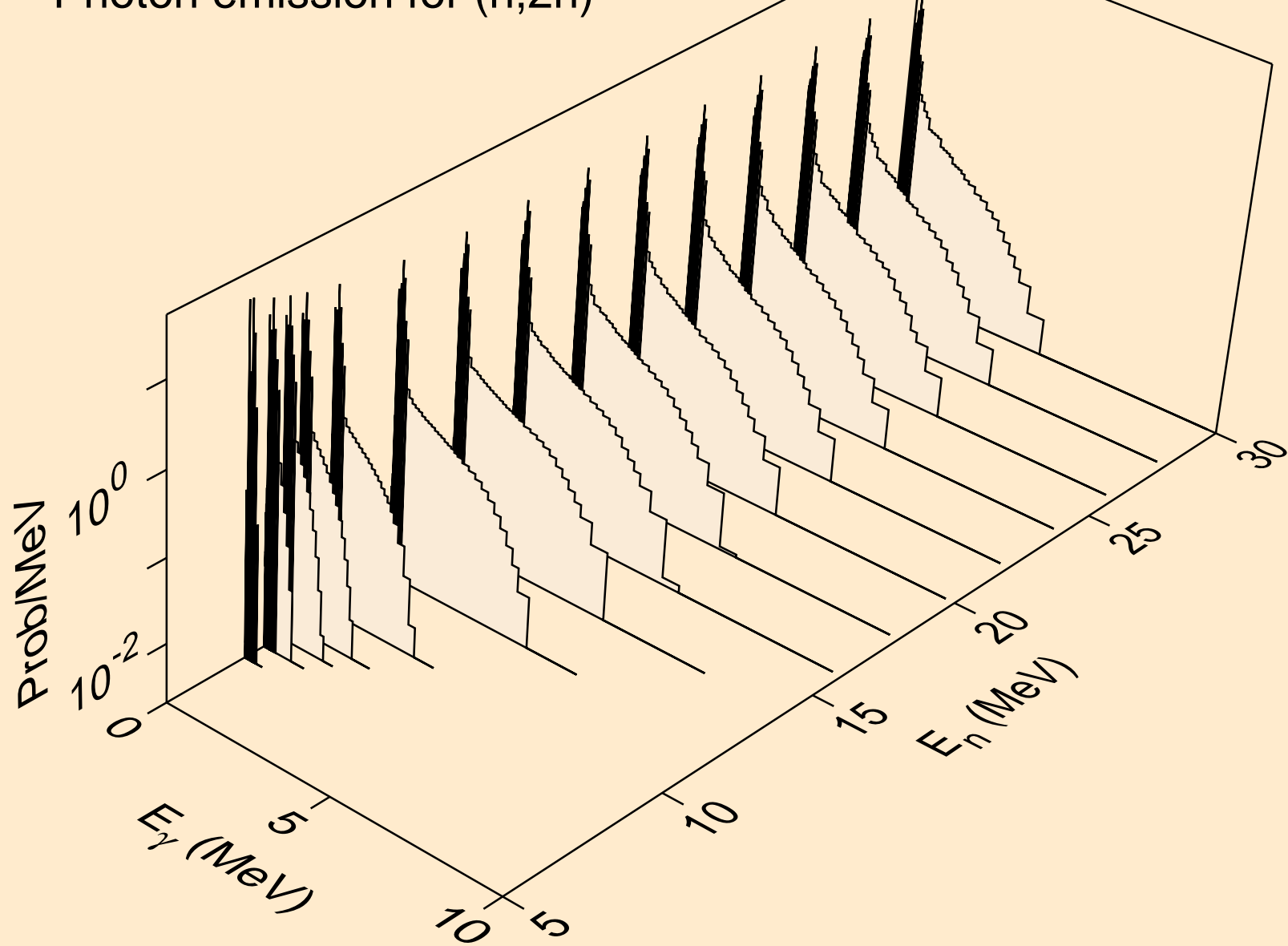
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



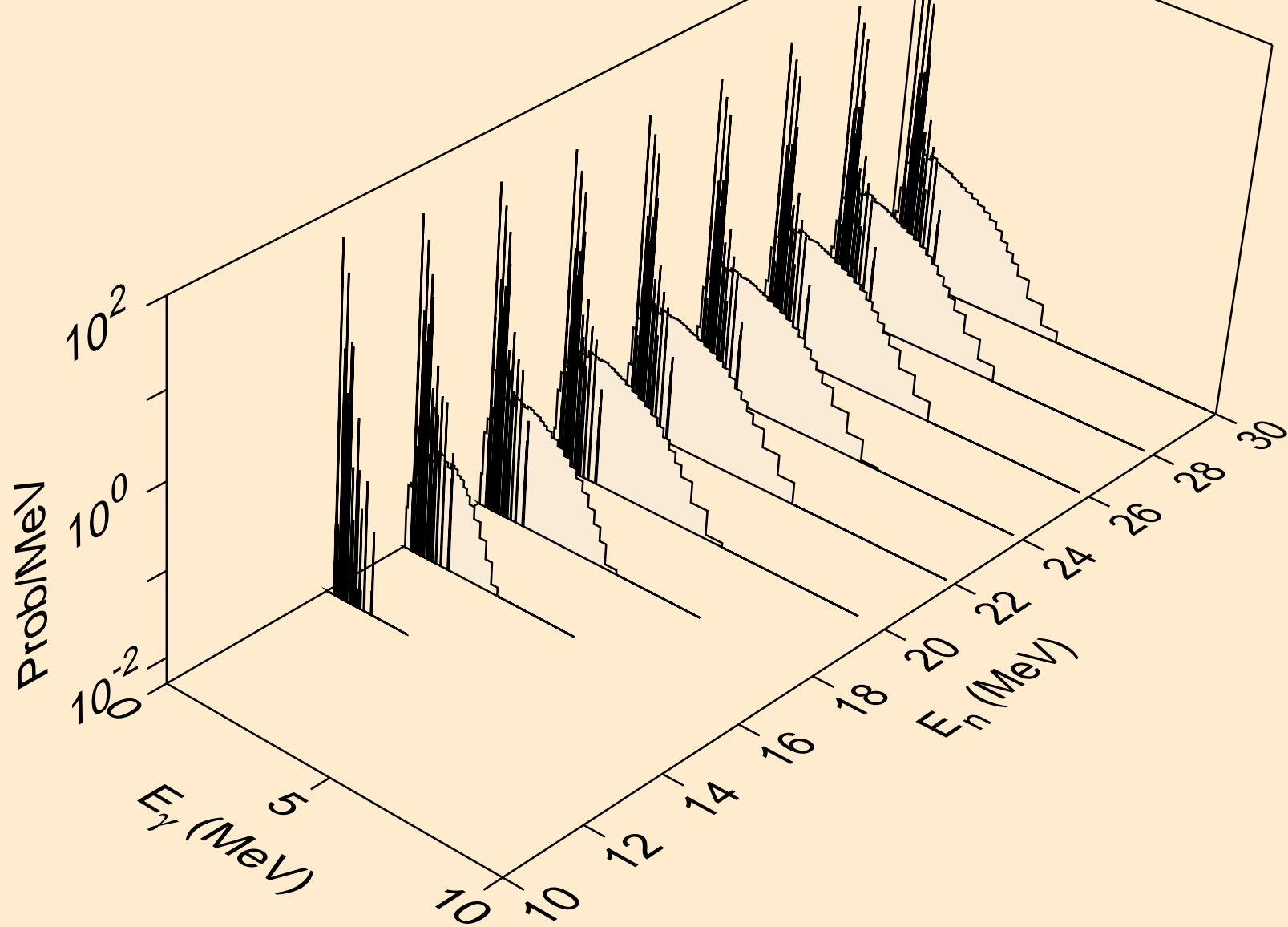
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



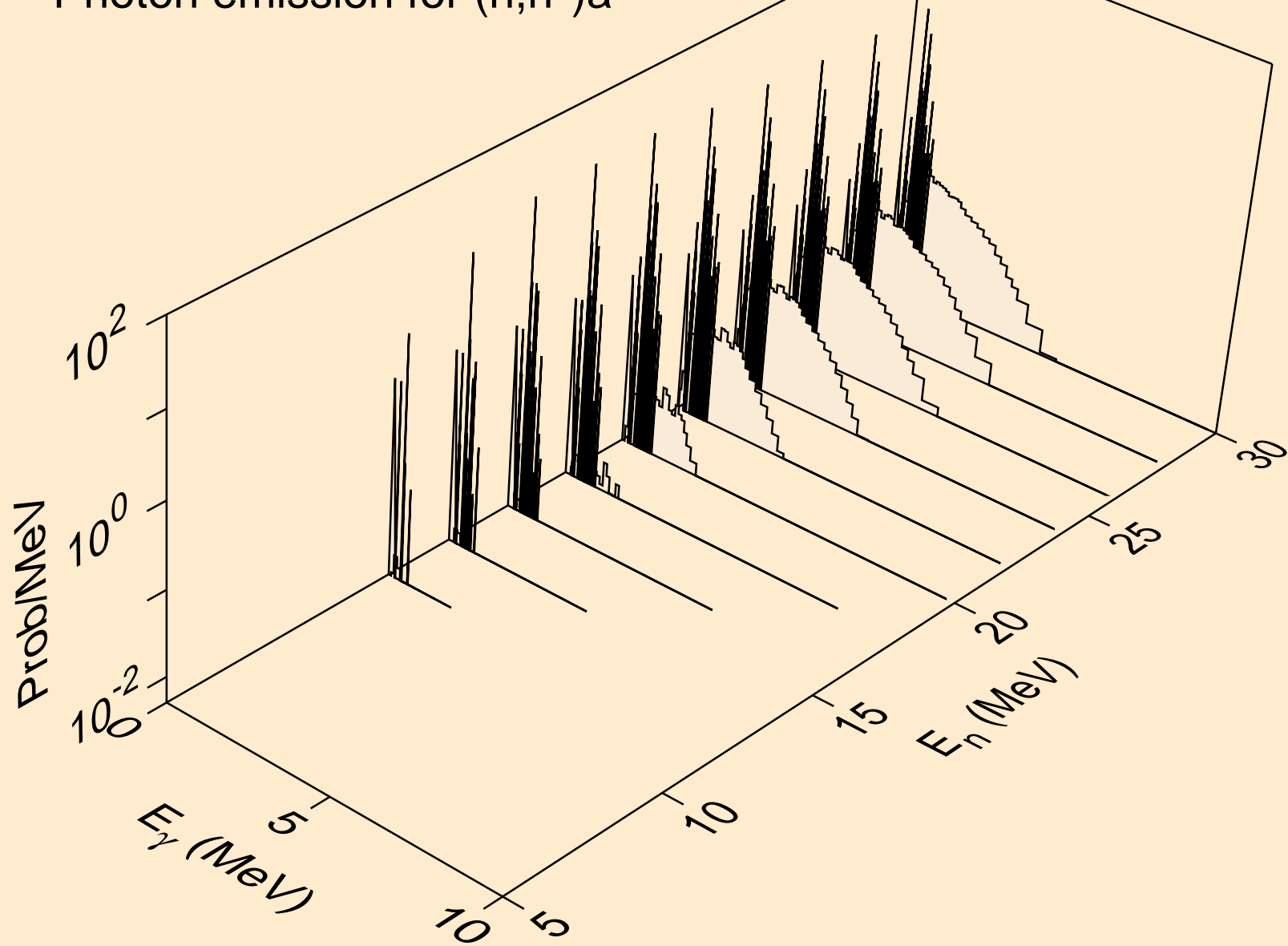
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Photon emission for (n,2n)



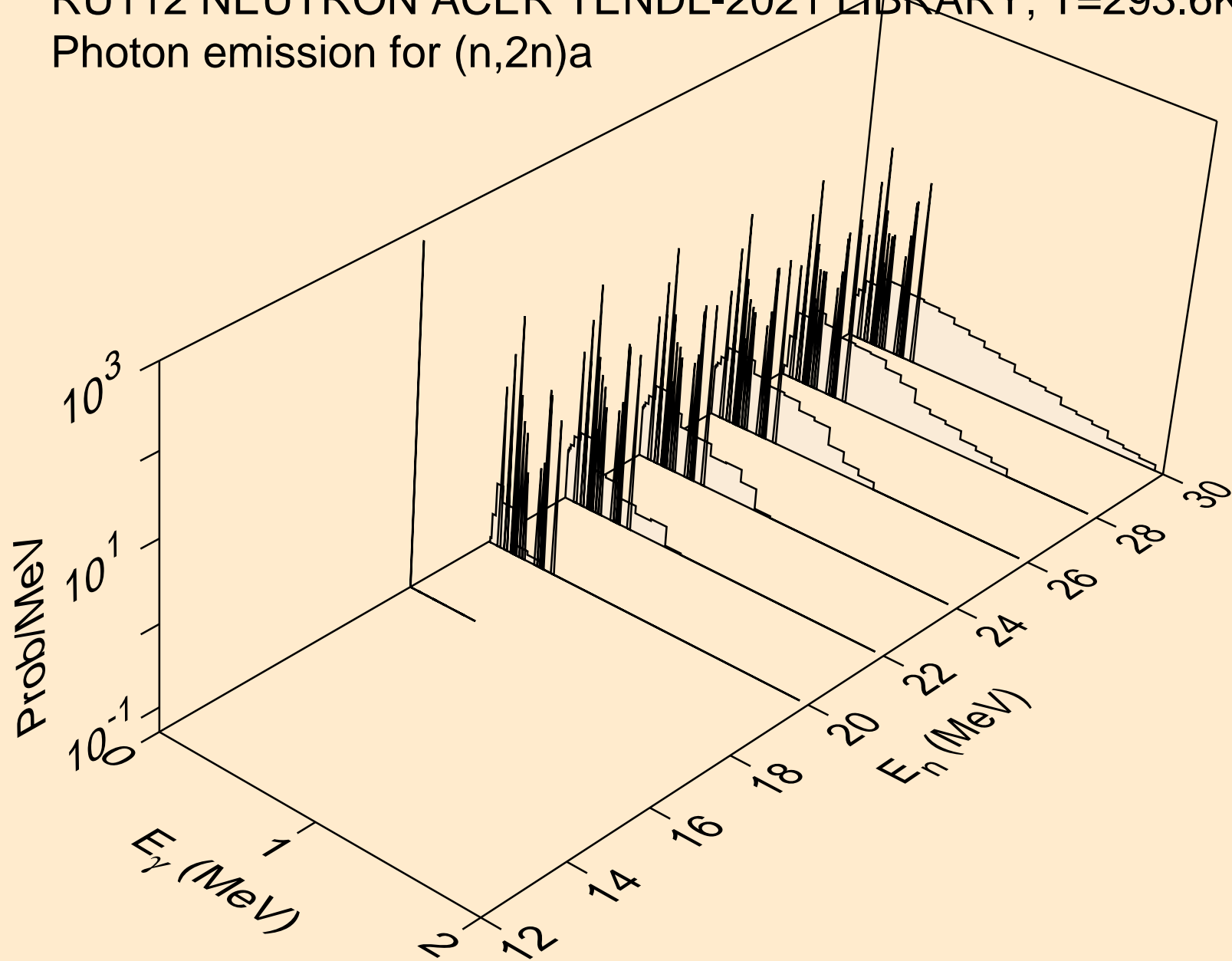
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Photon emission for (n,3n)



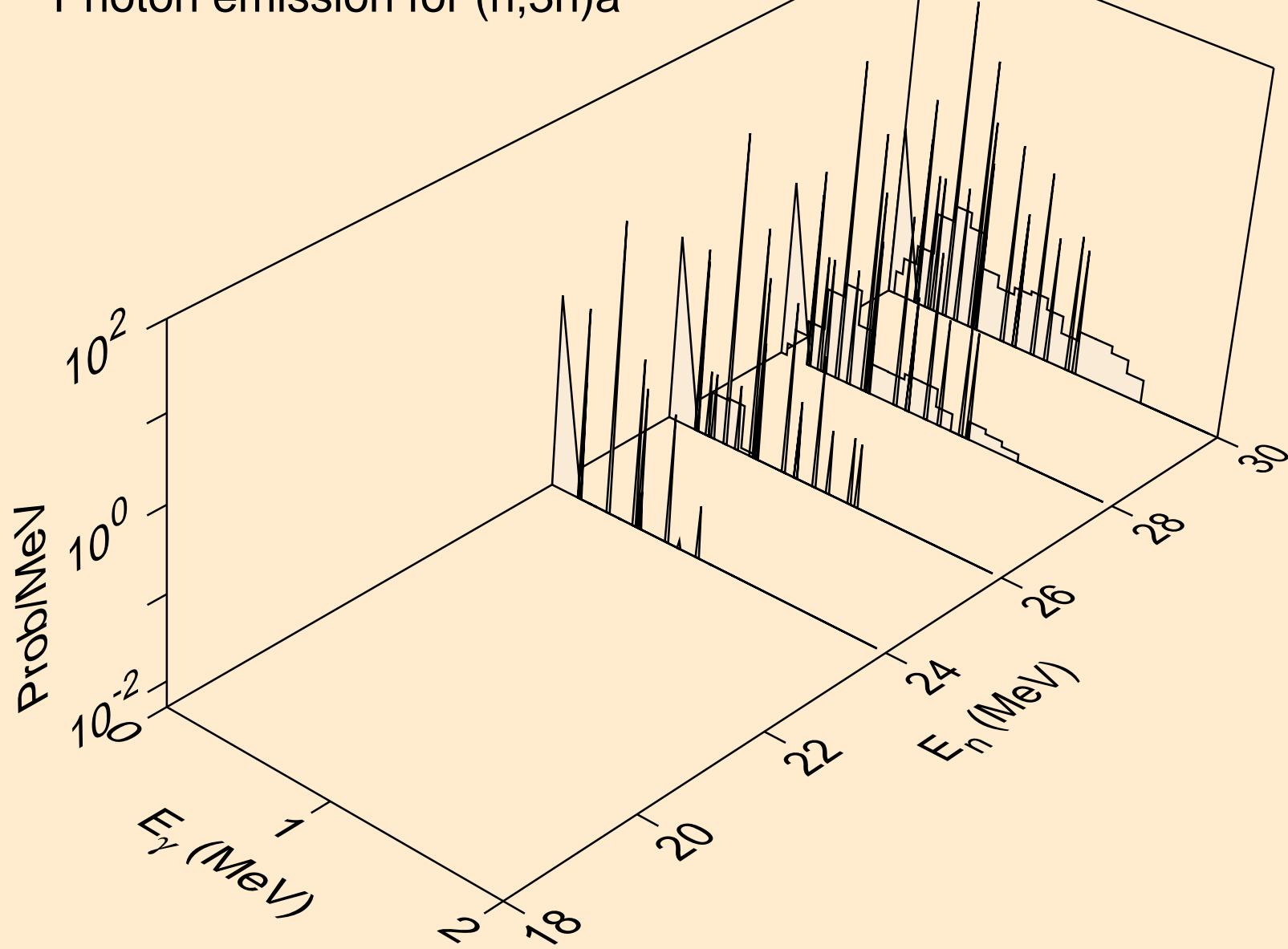
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Photon emission for (n,n\*)a



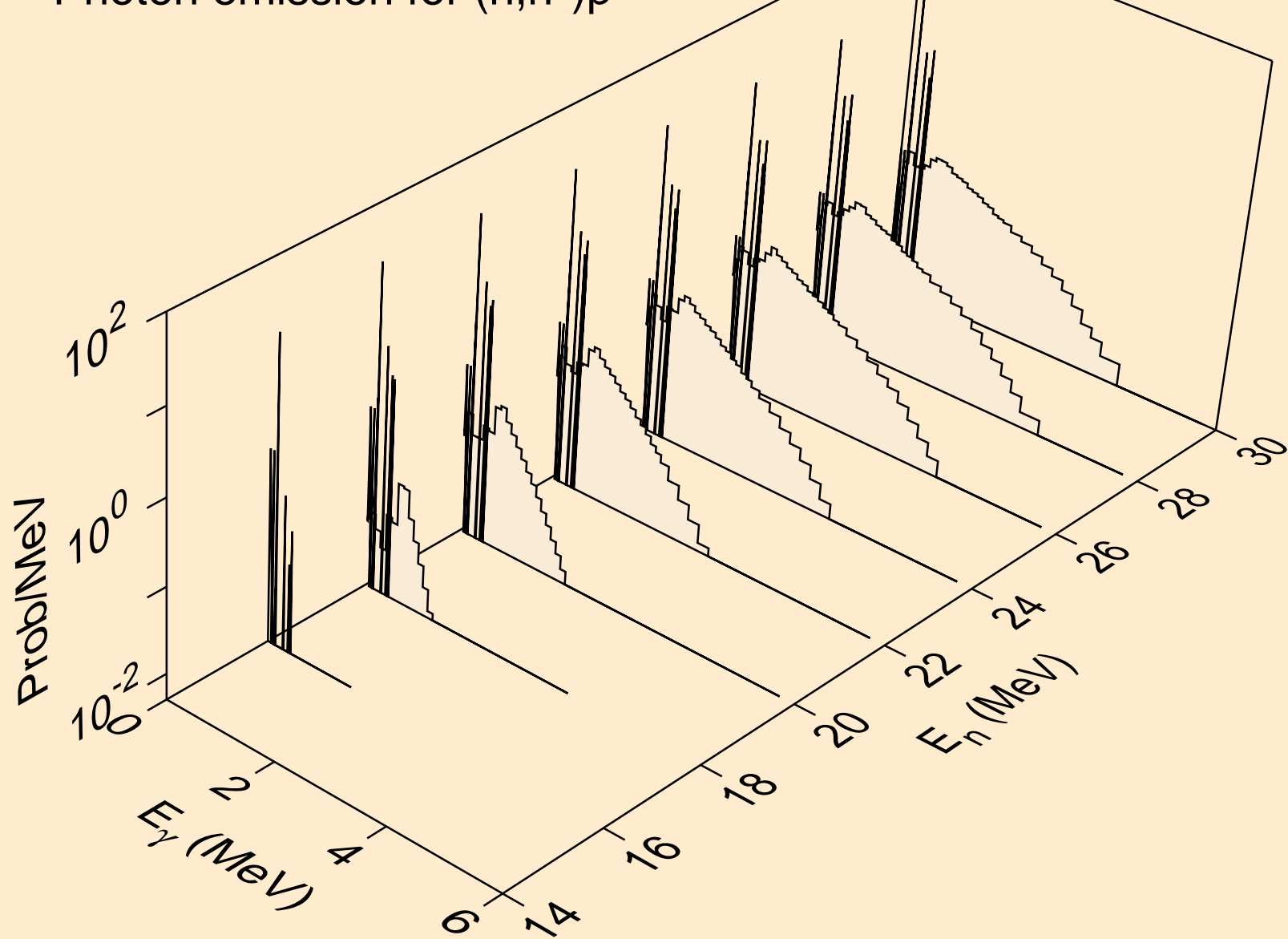
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

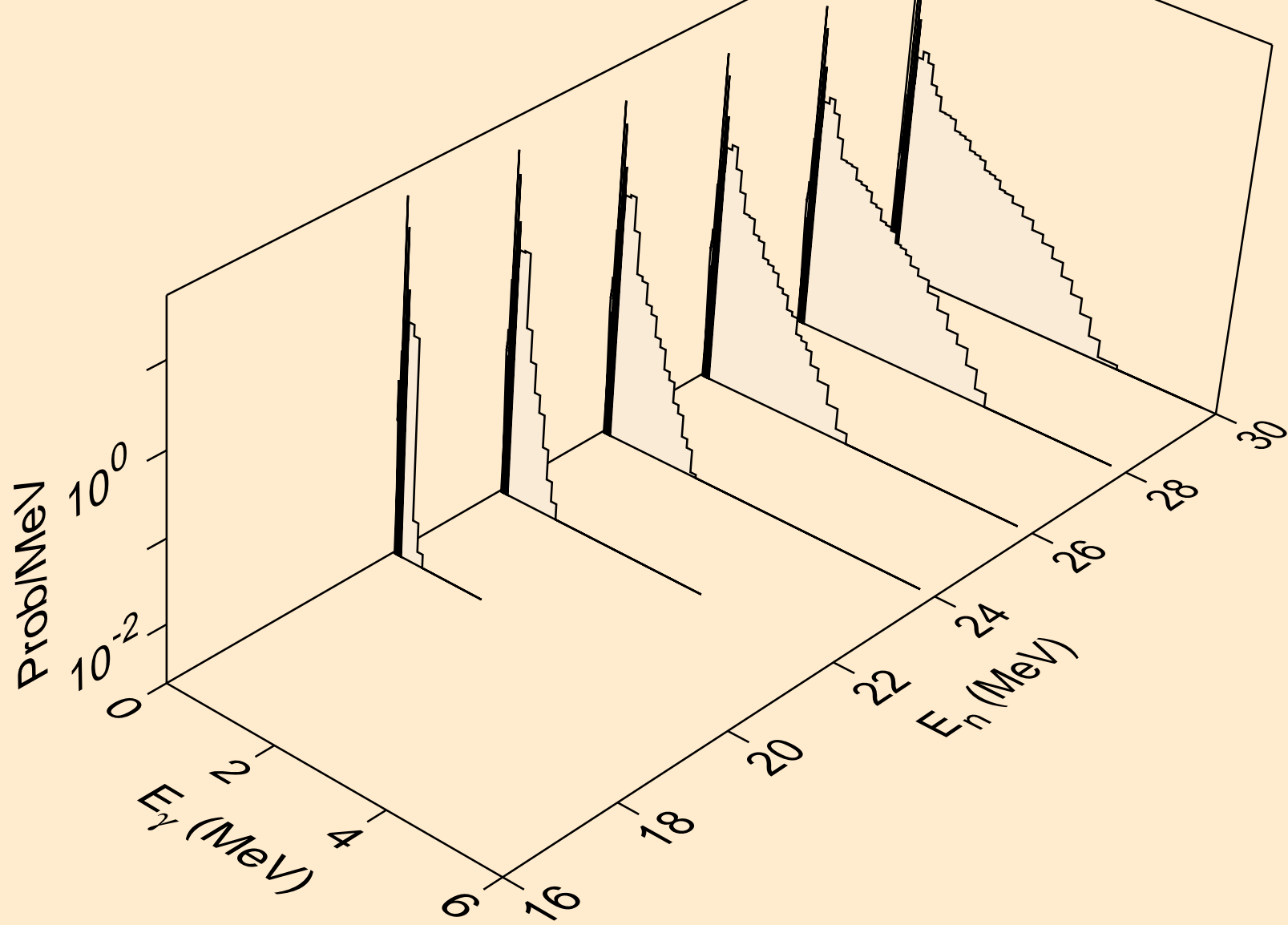


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

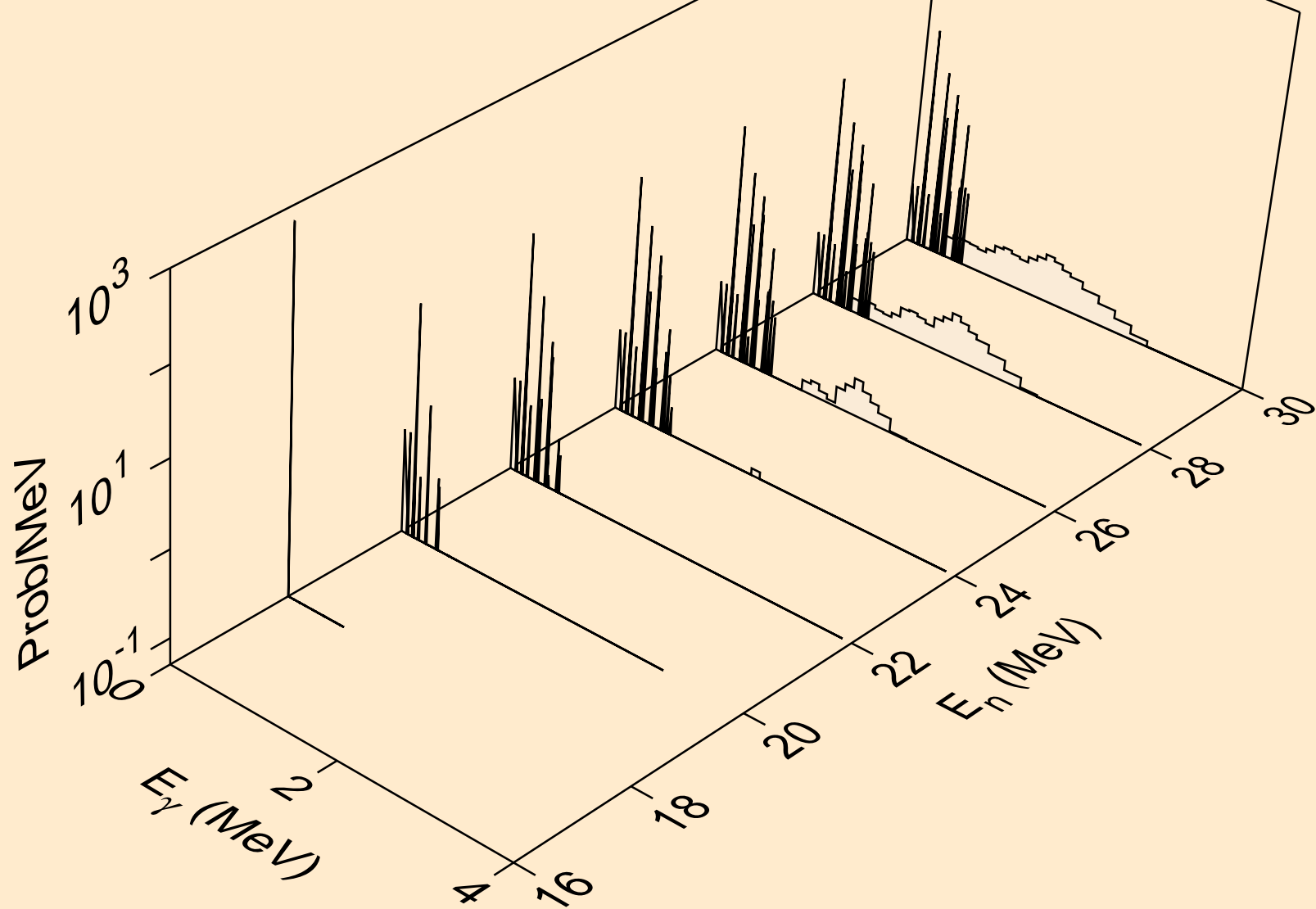




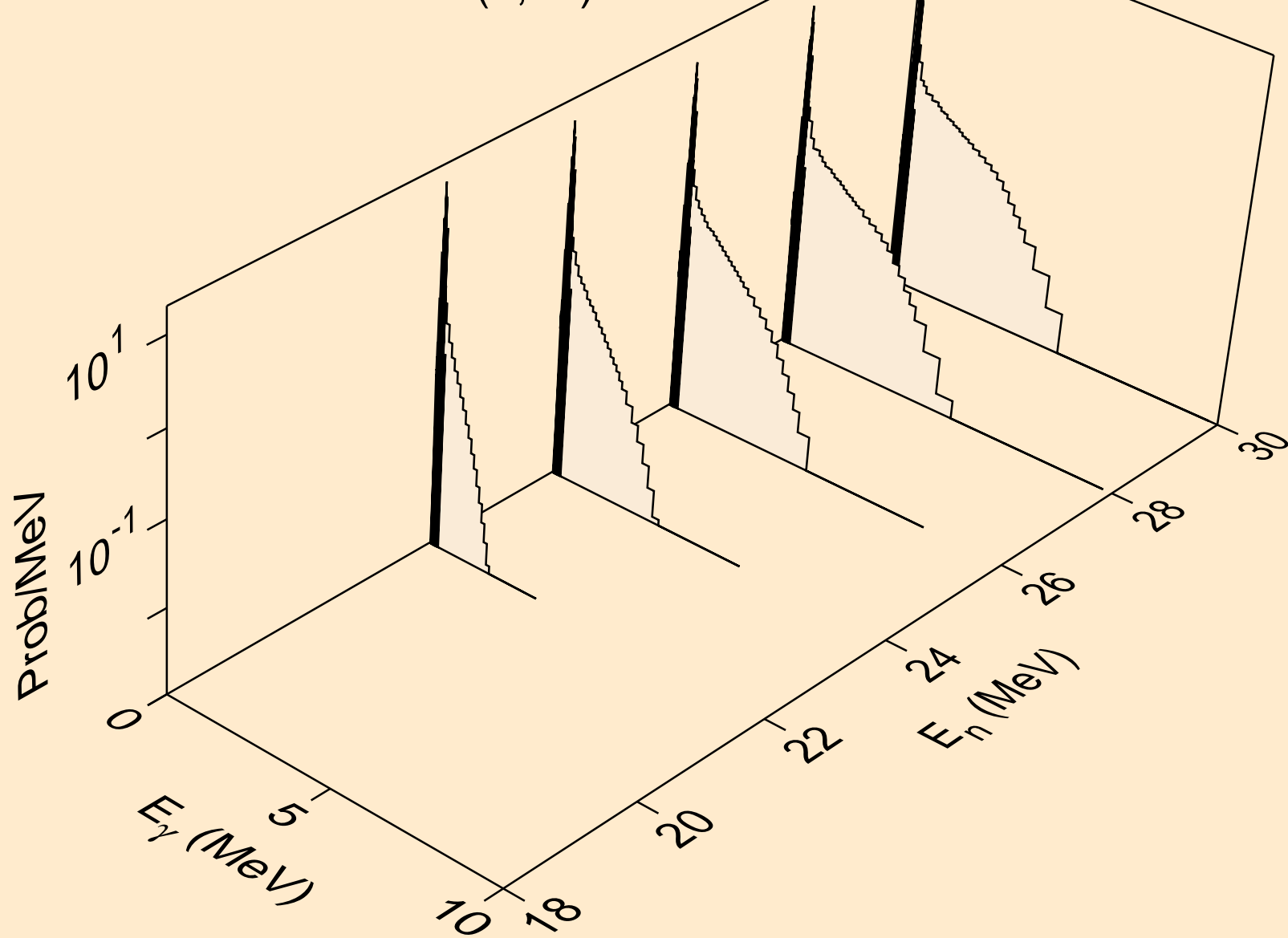
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Photon emission for (n,n\*)d



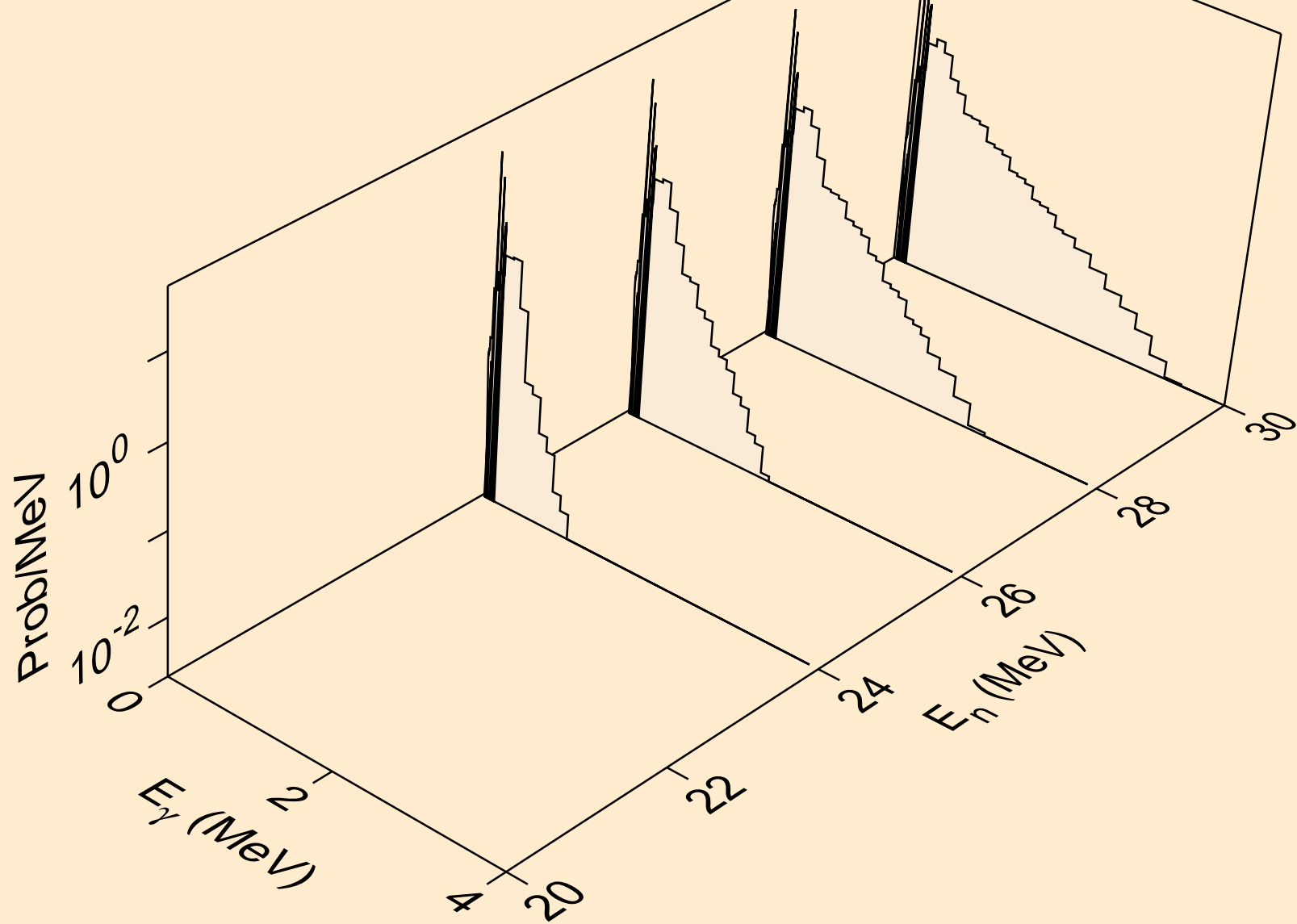
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Photon emission for (n,n\*)t



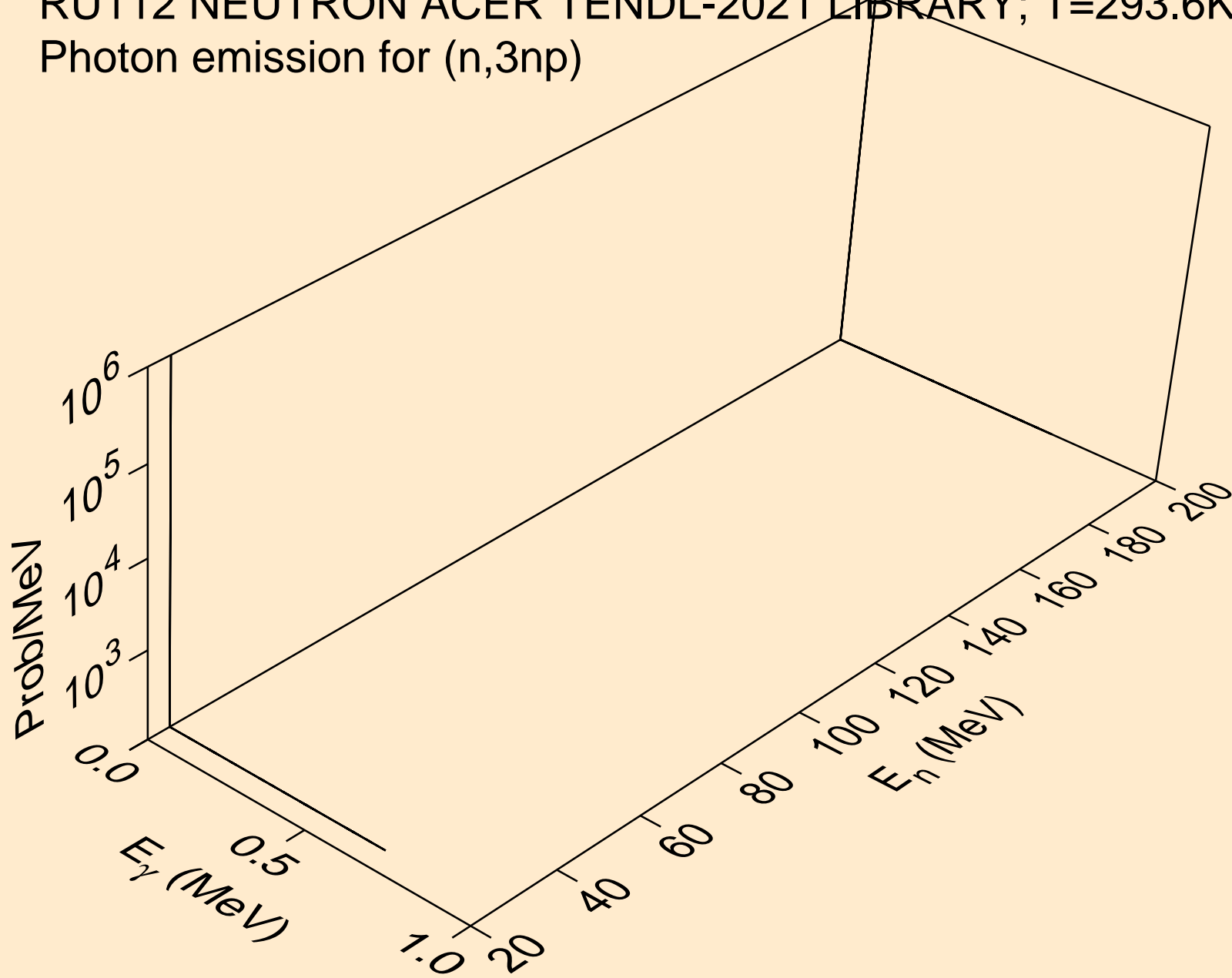
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Photon emission for (n,4n)



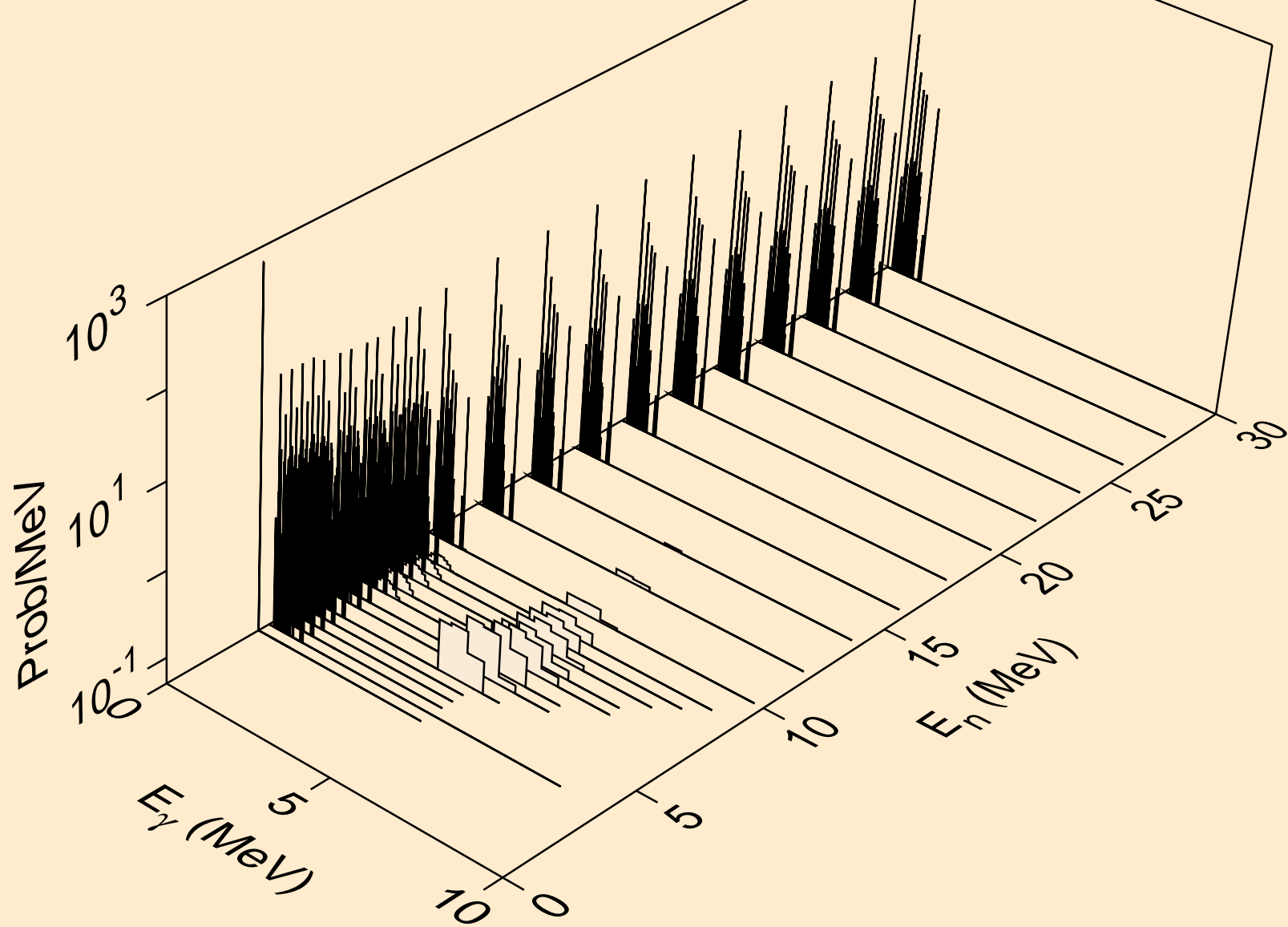
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Photon emission for (n,2np)



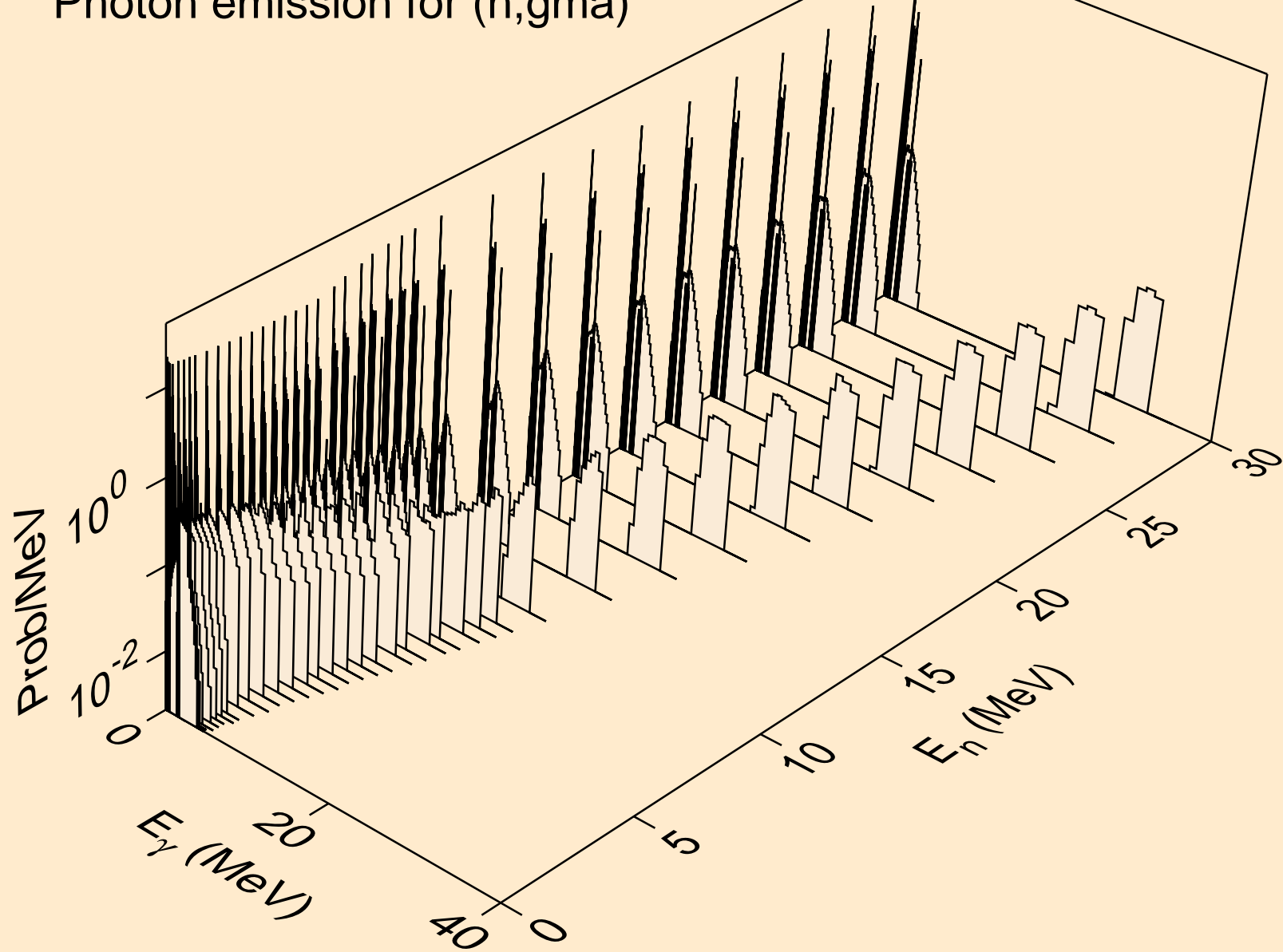
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



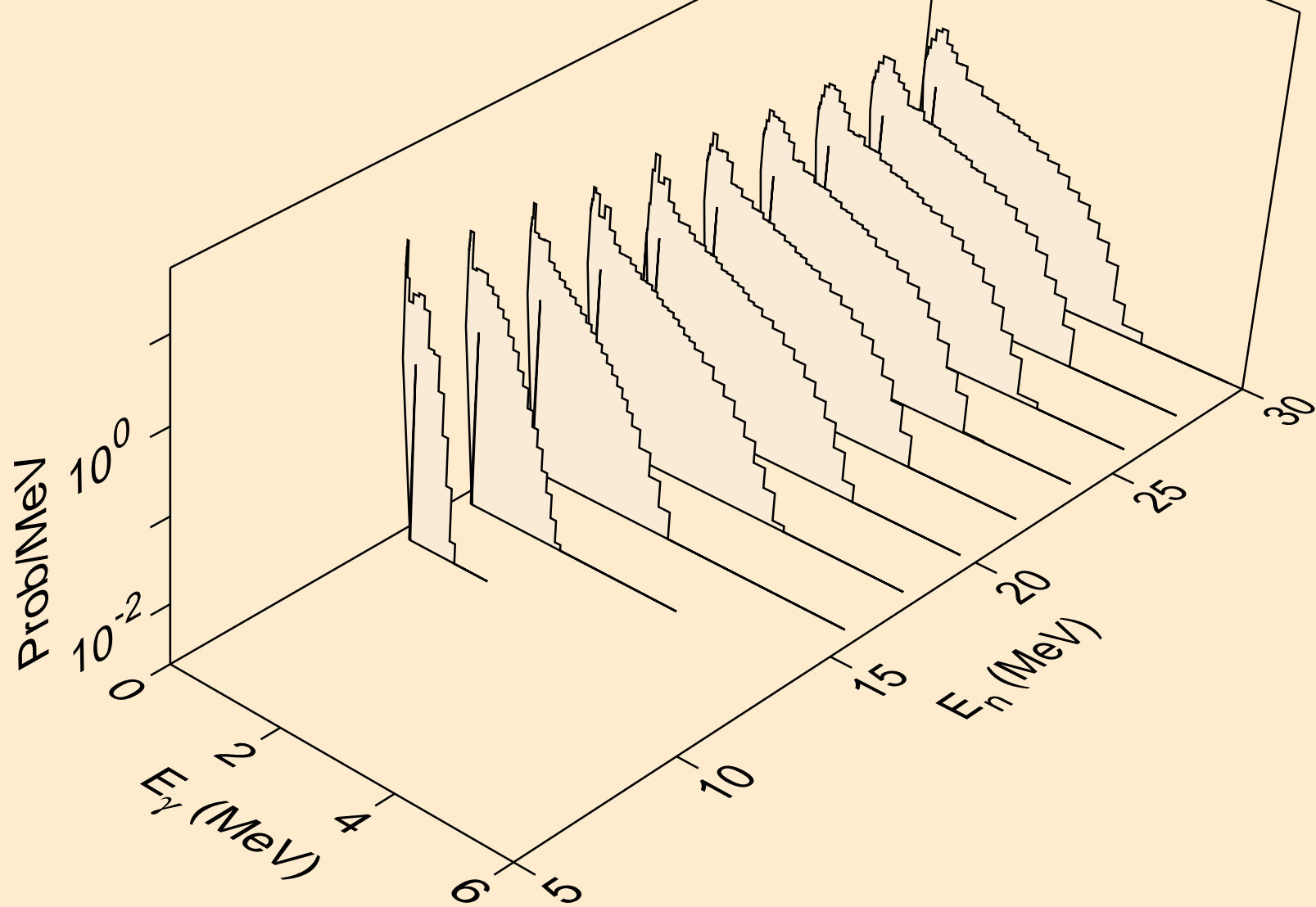
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

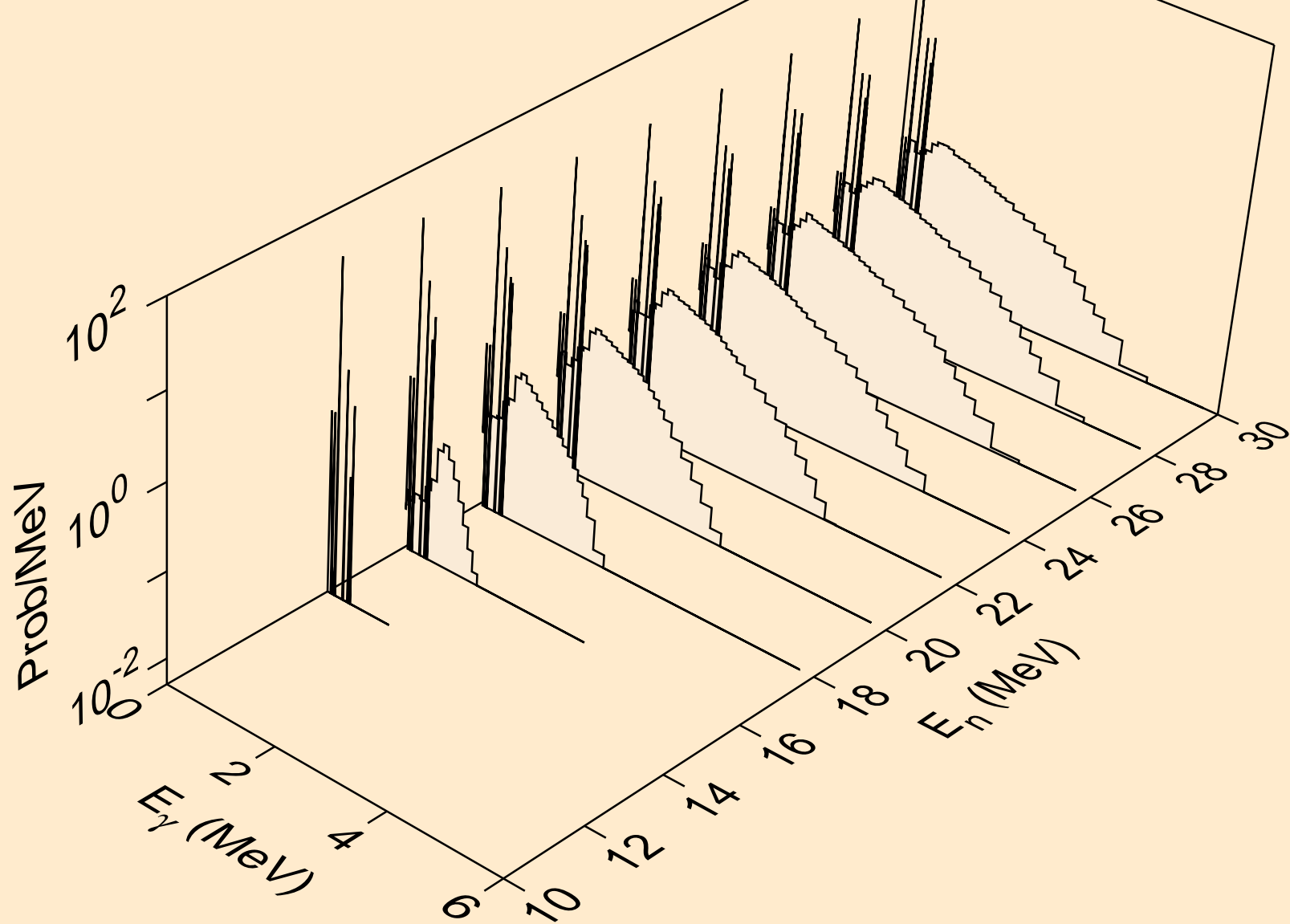


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

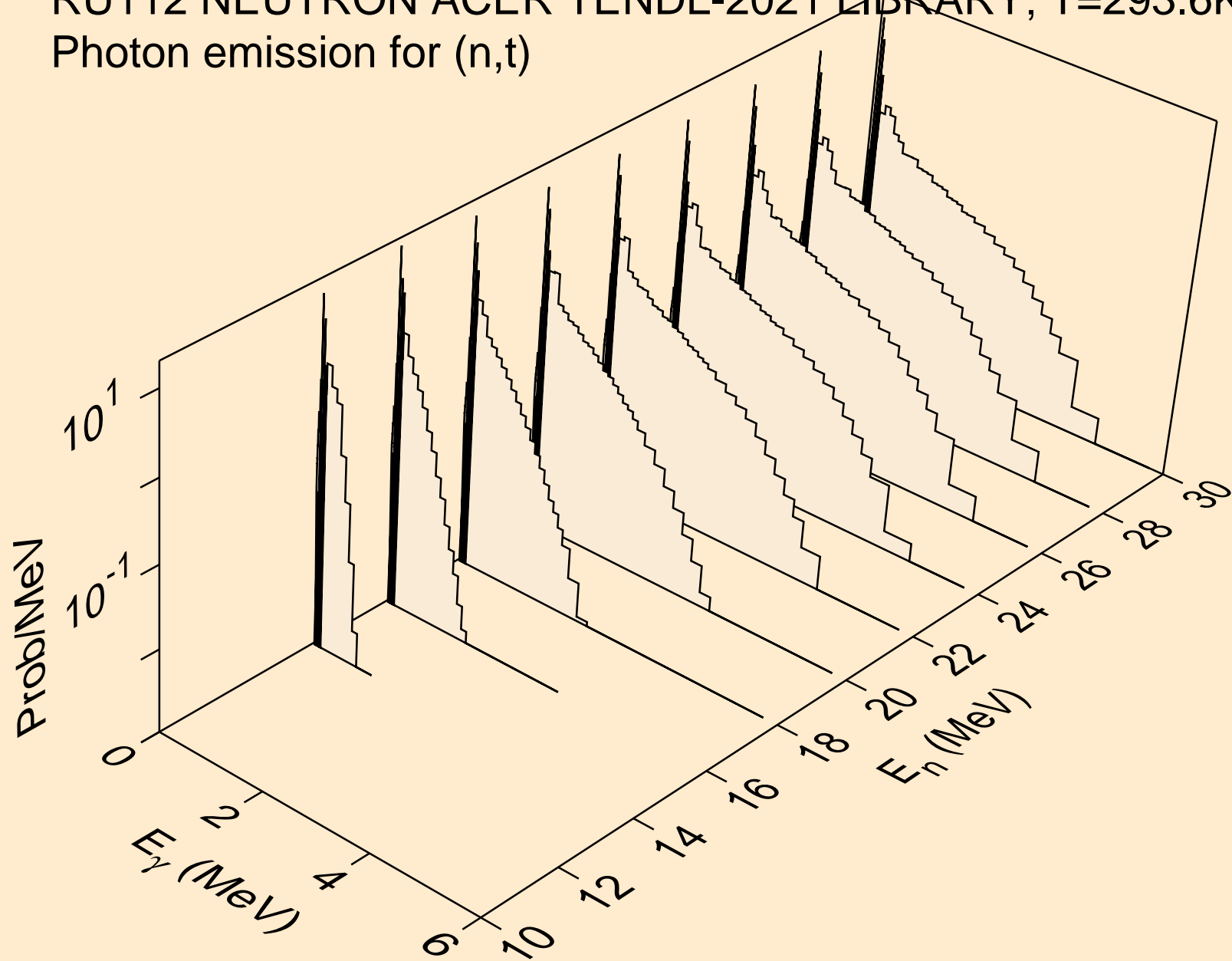




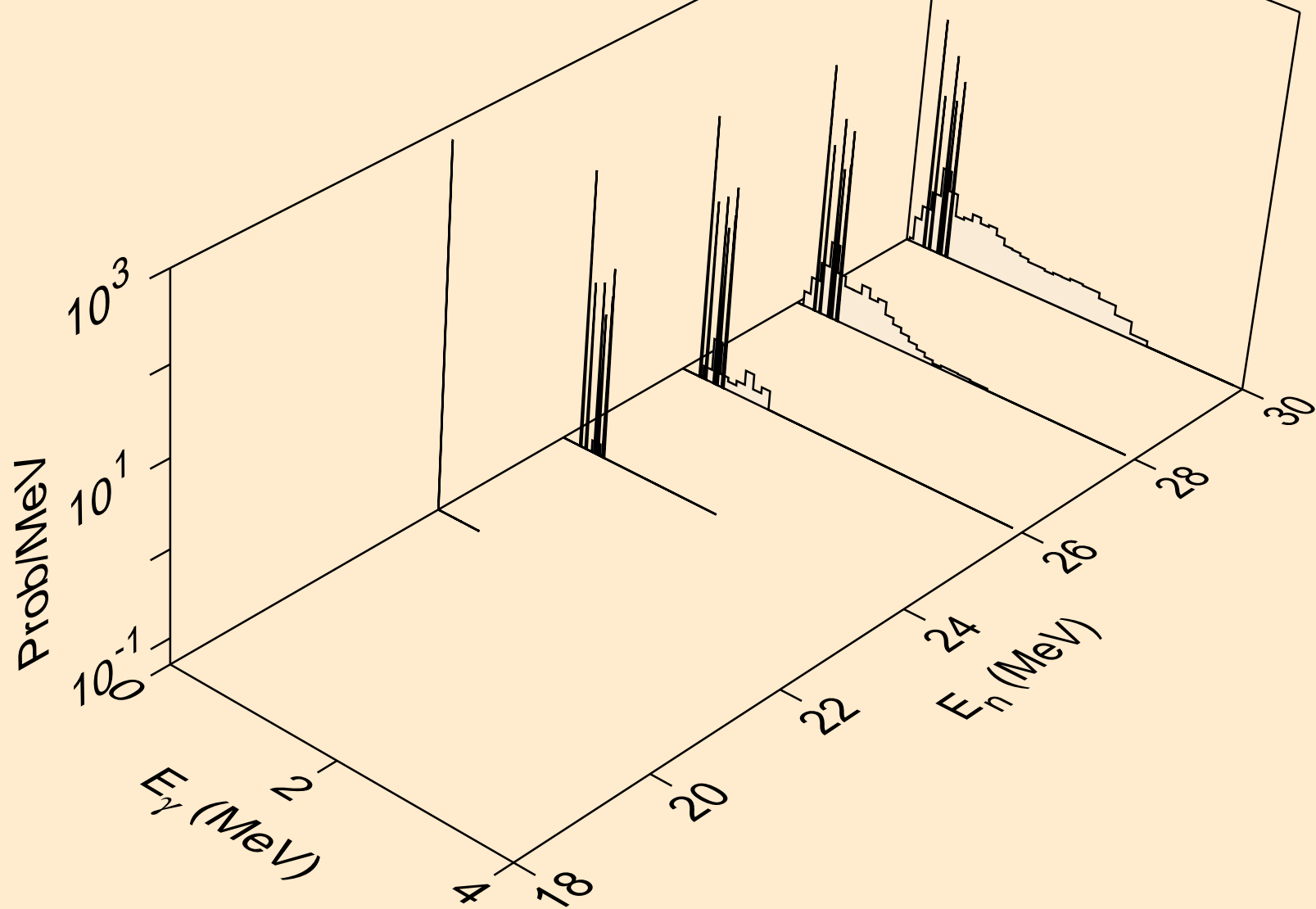
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



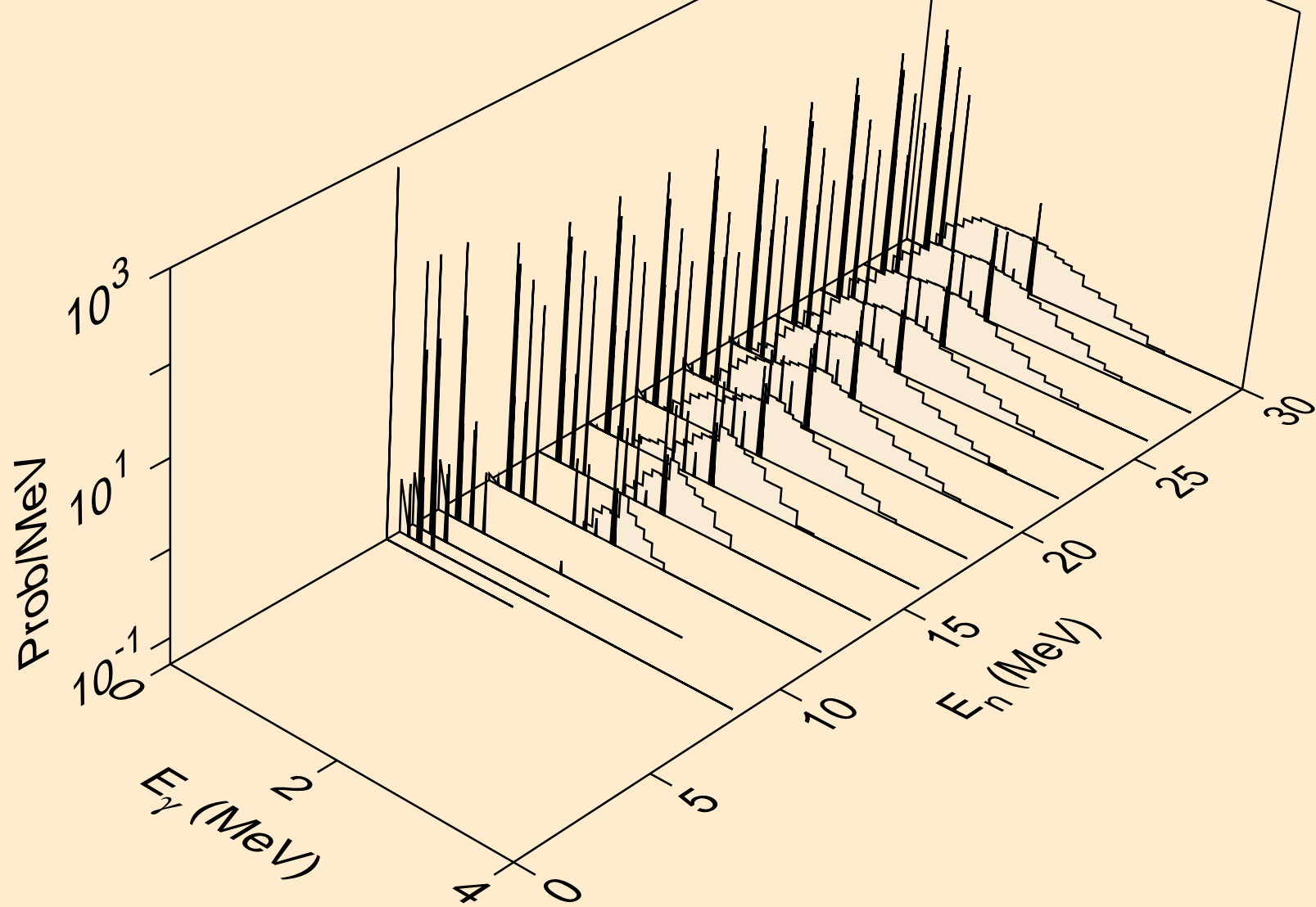
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



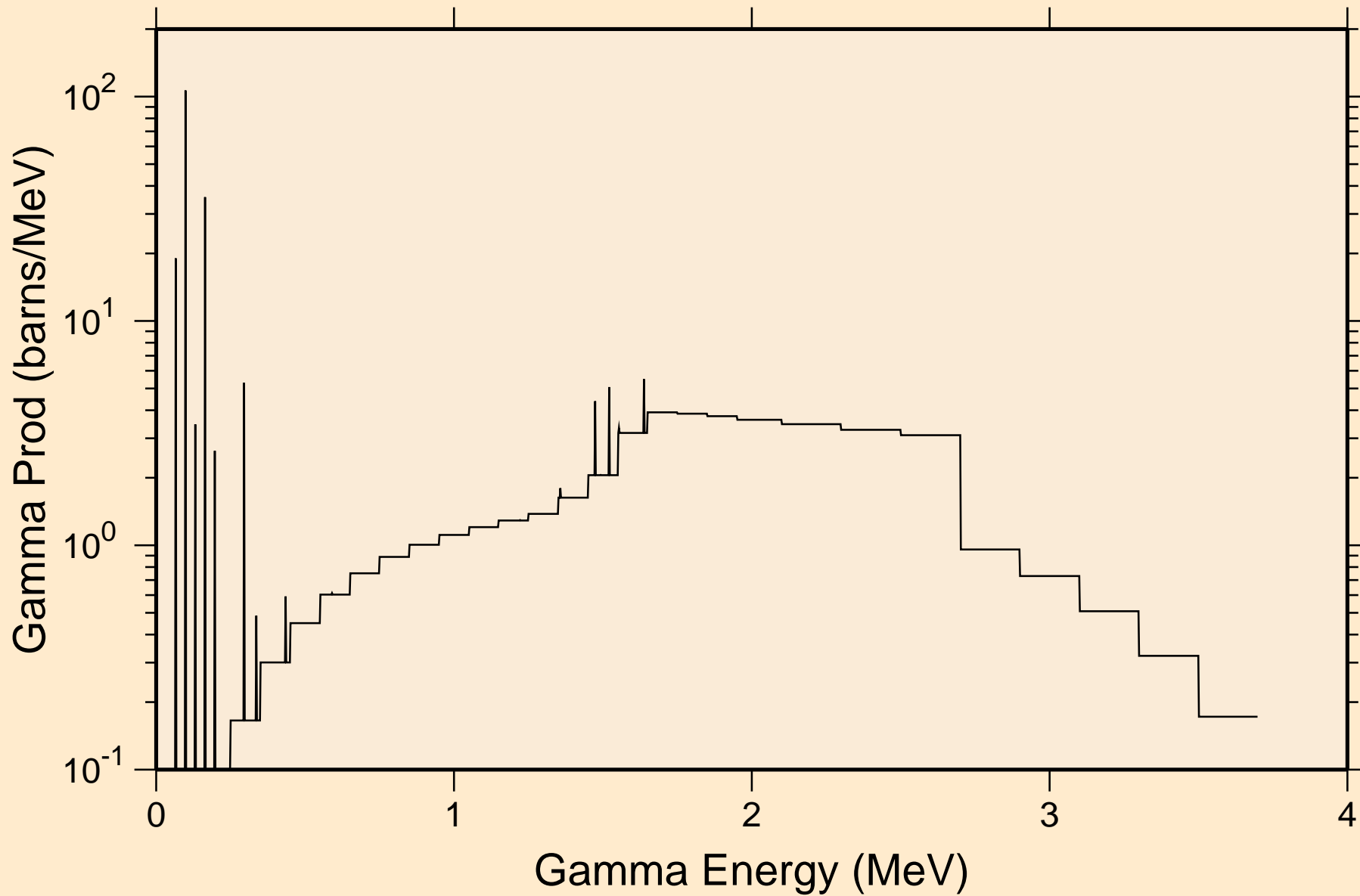
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Photon emission for (n,he3)



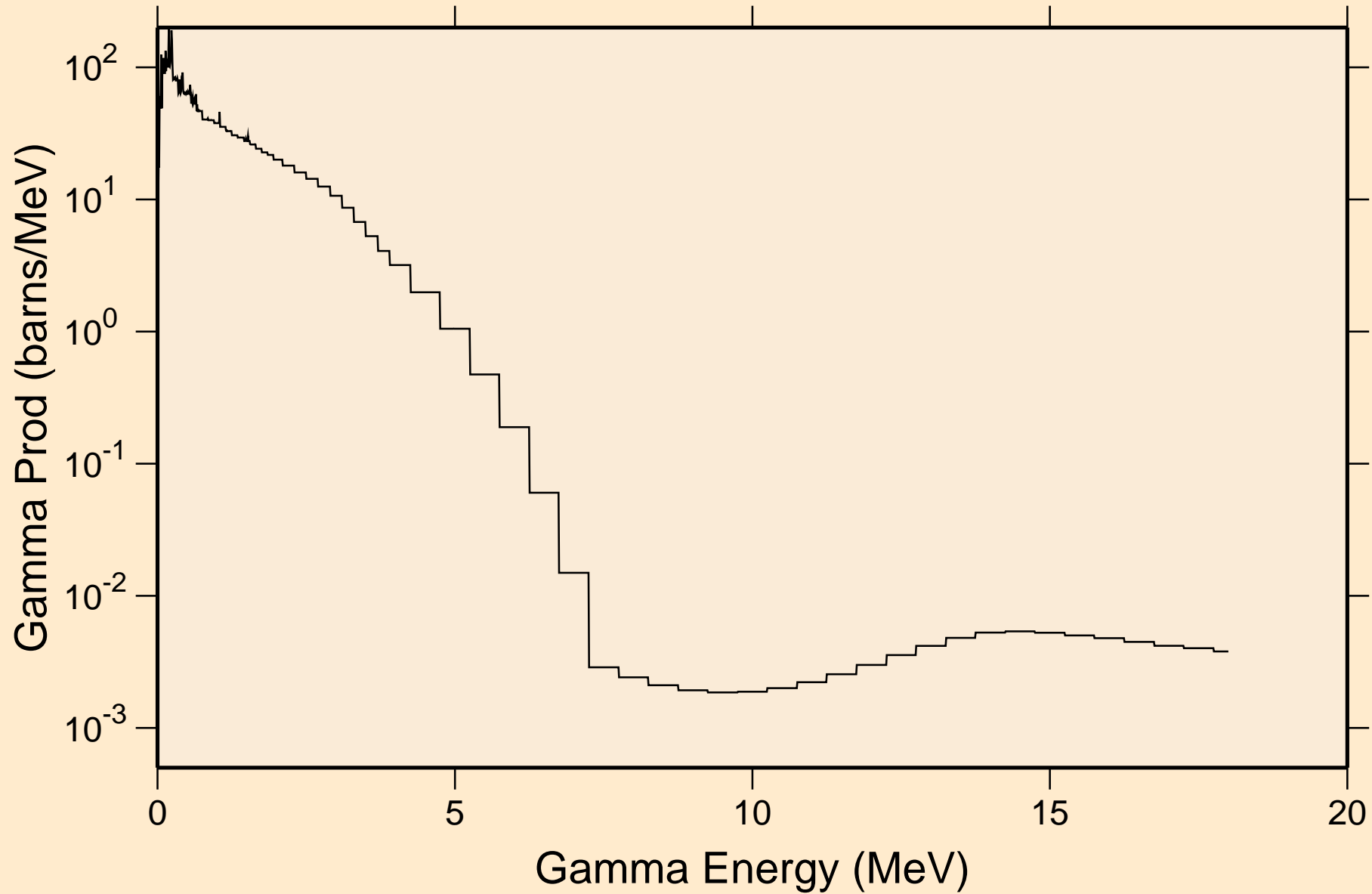
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Photon emission for (n,a)



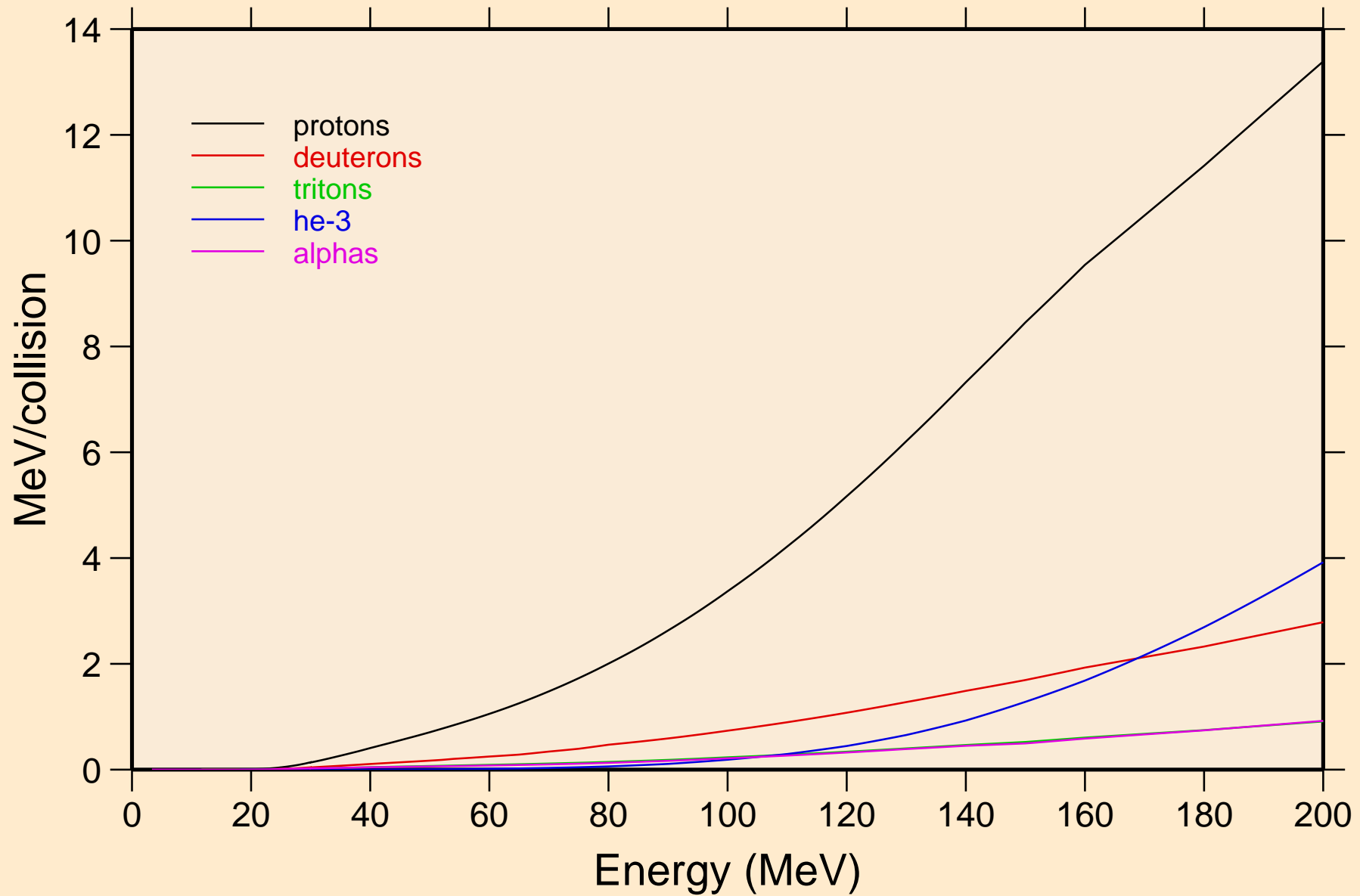
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thermal capture photon spectrum



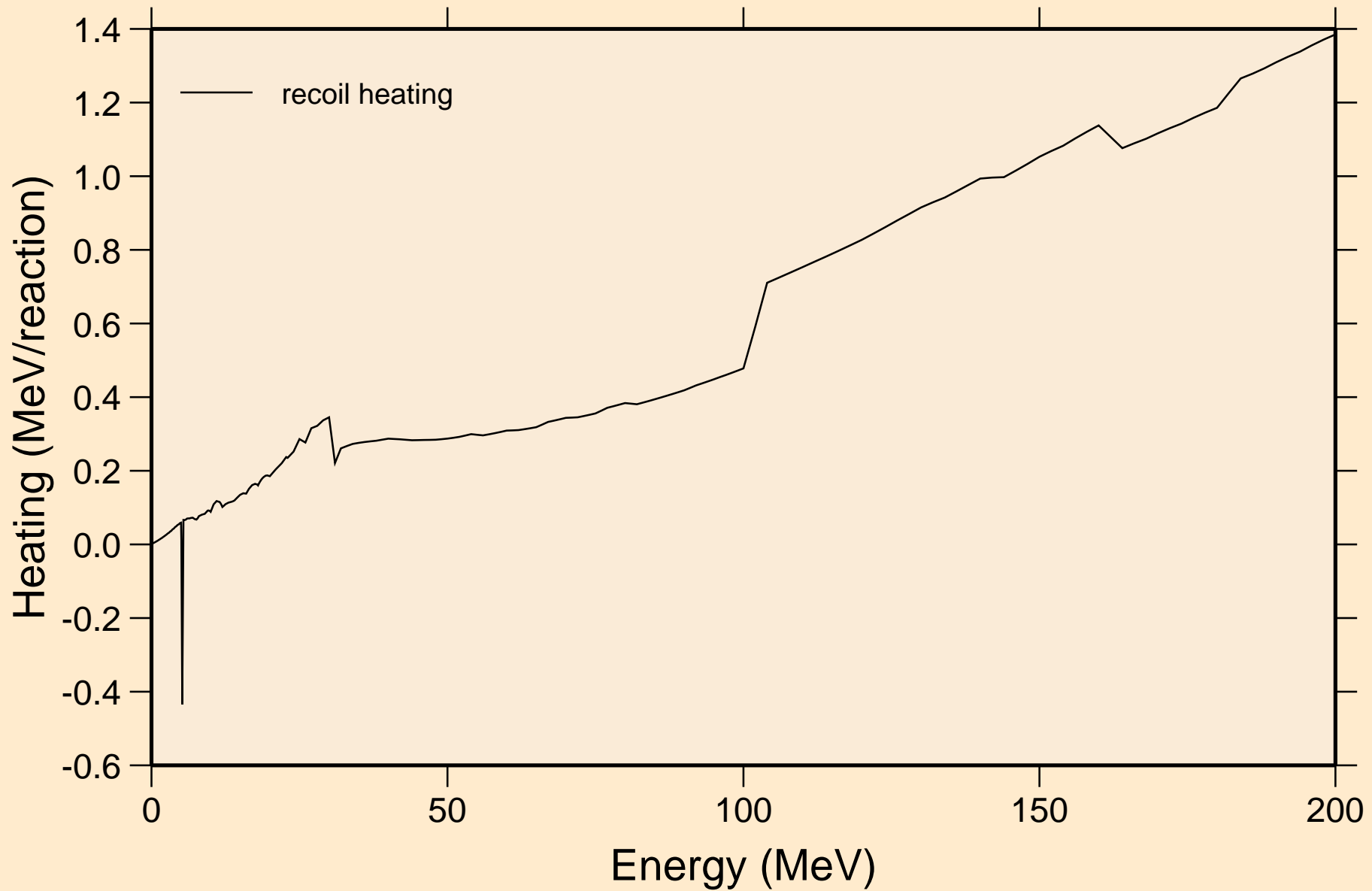
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



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Particle heating contributions

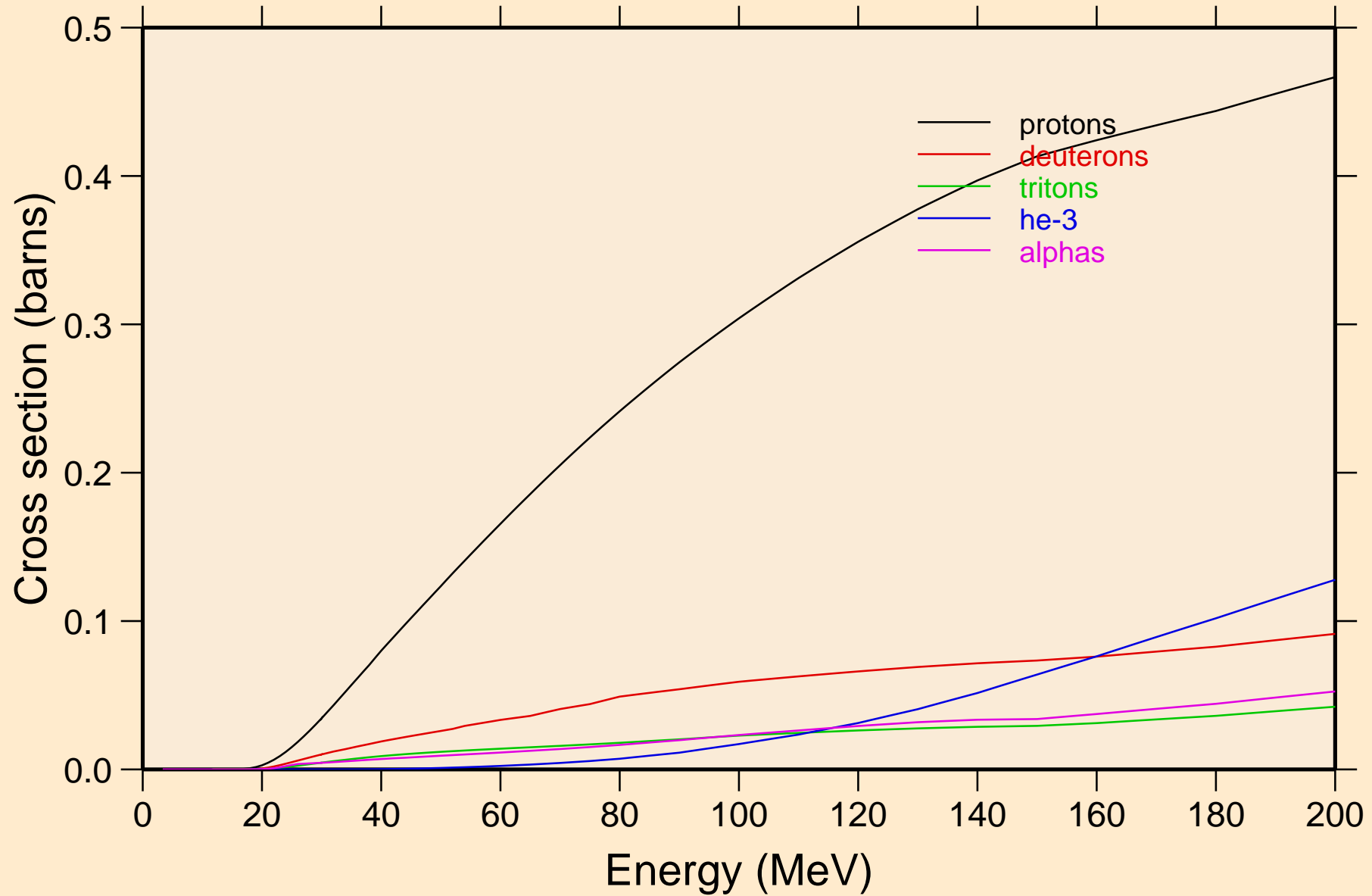


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

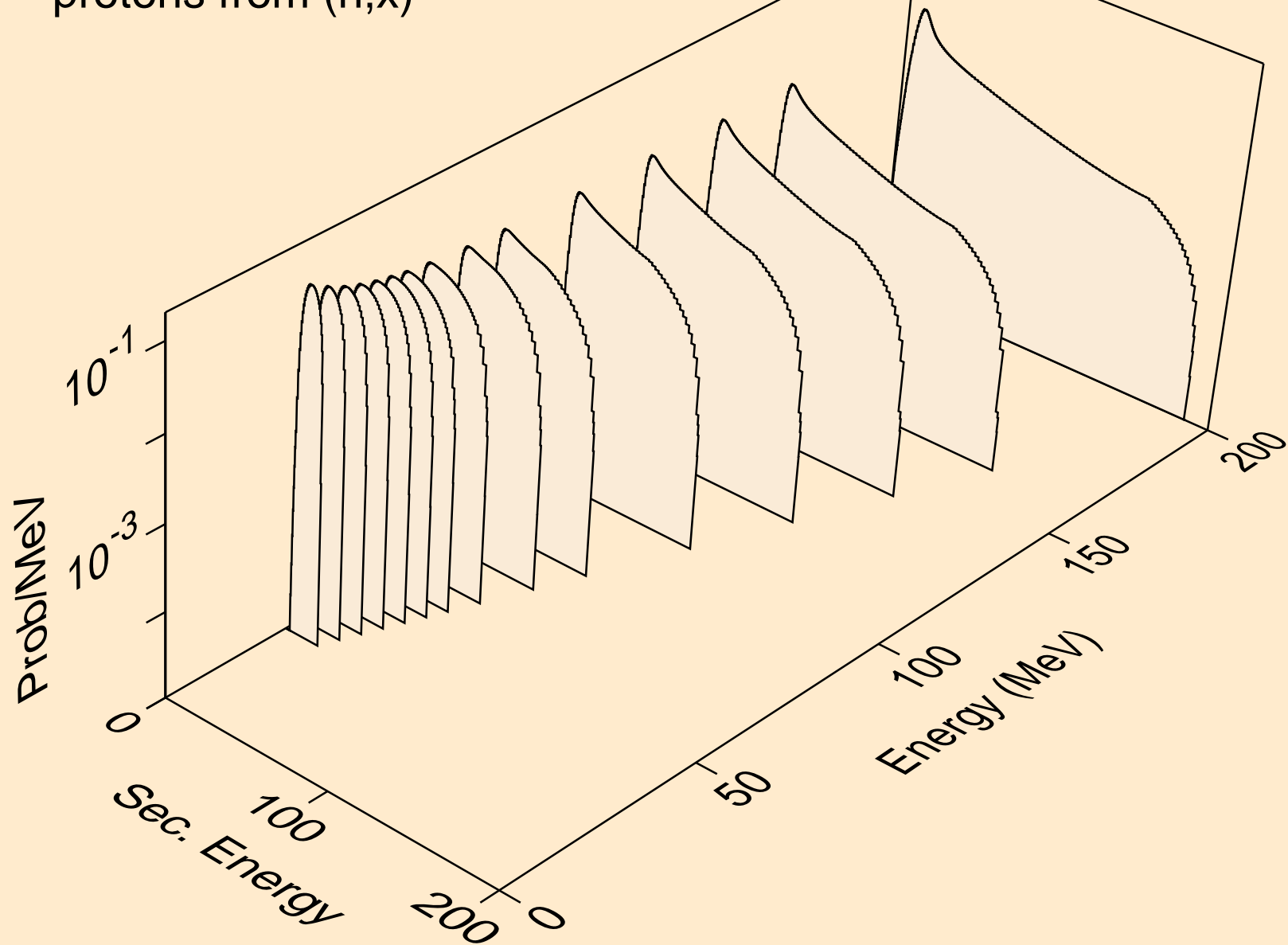




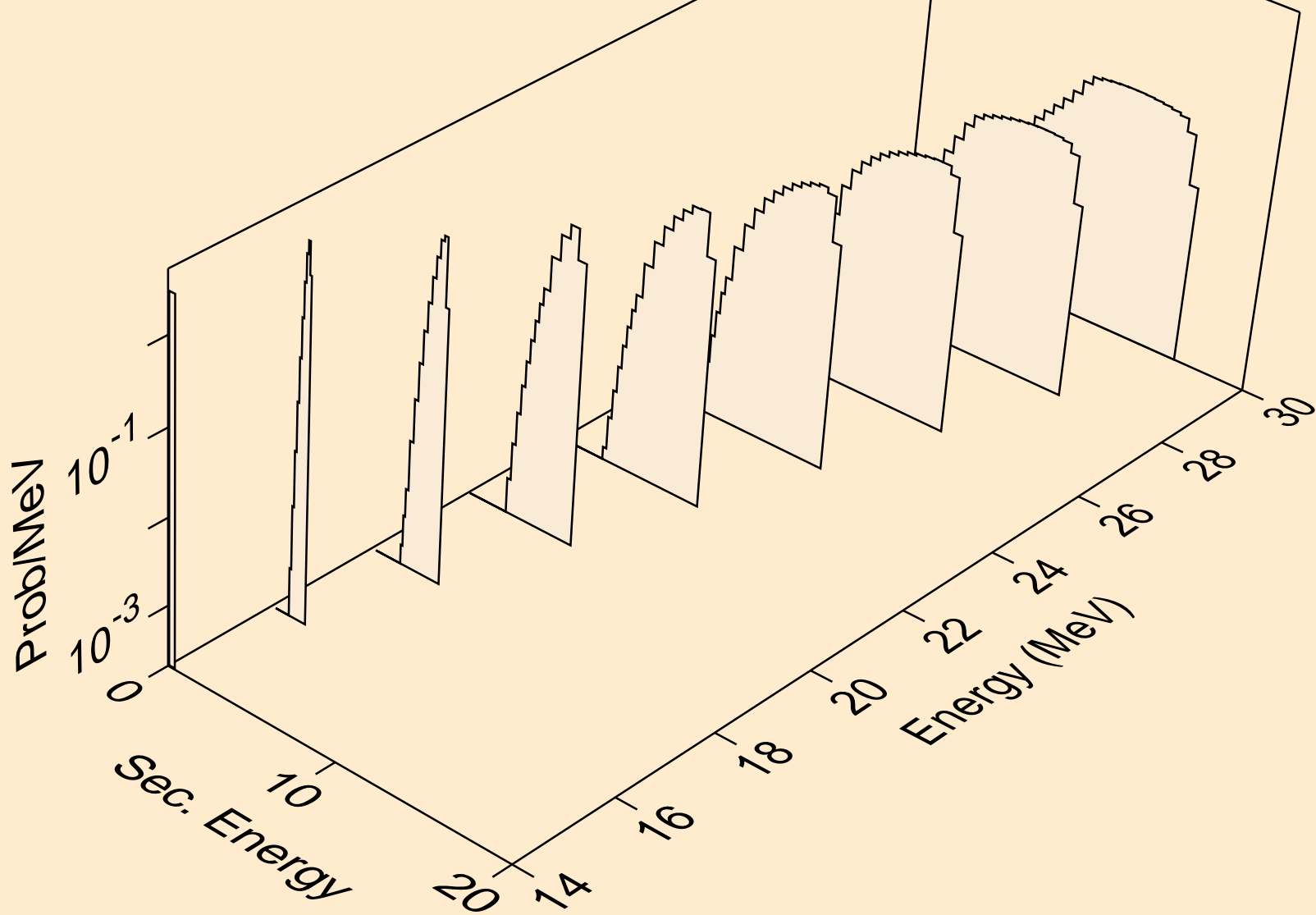
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Particle production cross sections



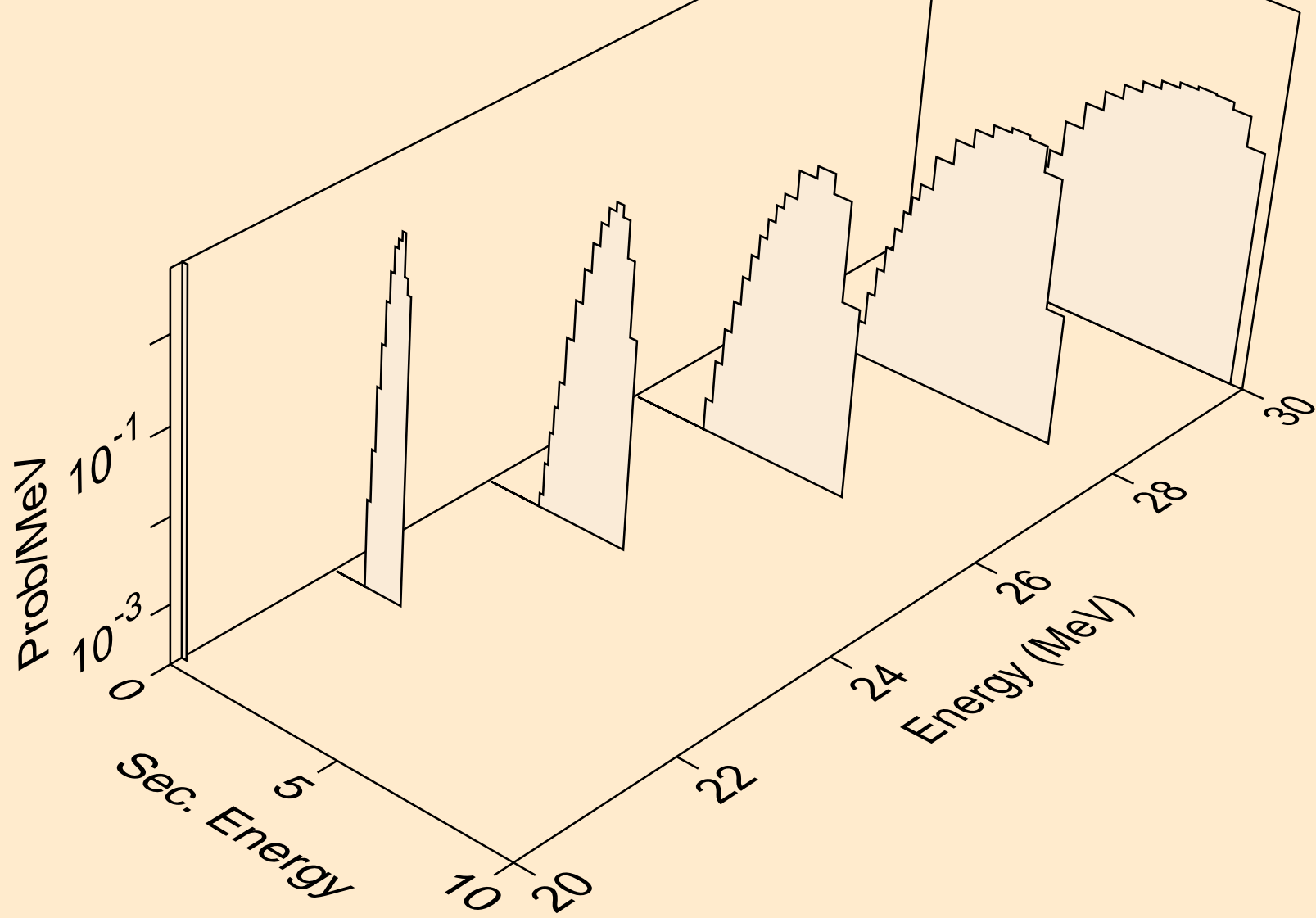
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protons from (n,x)



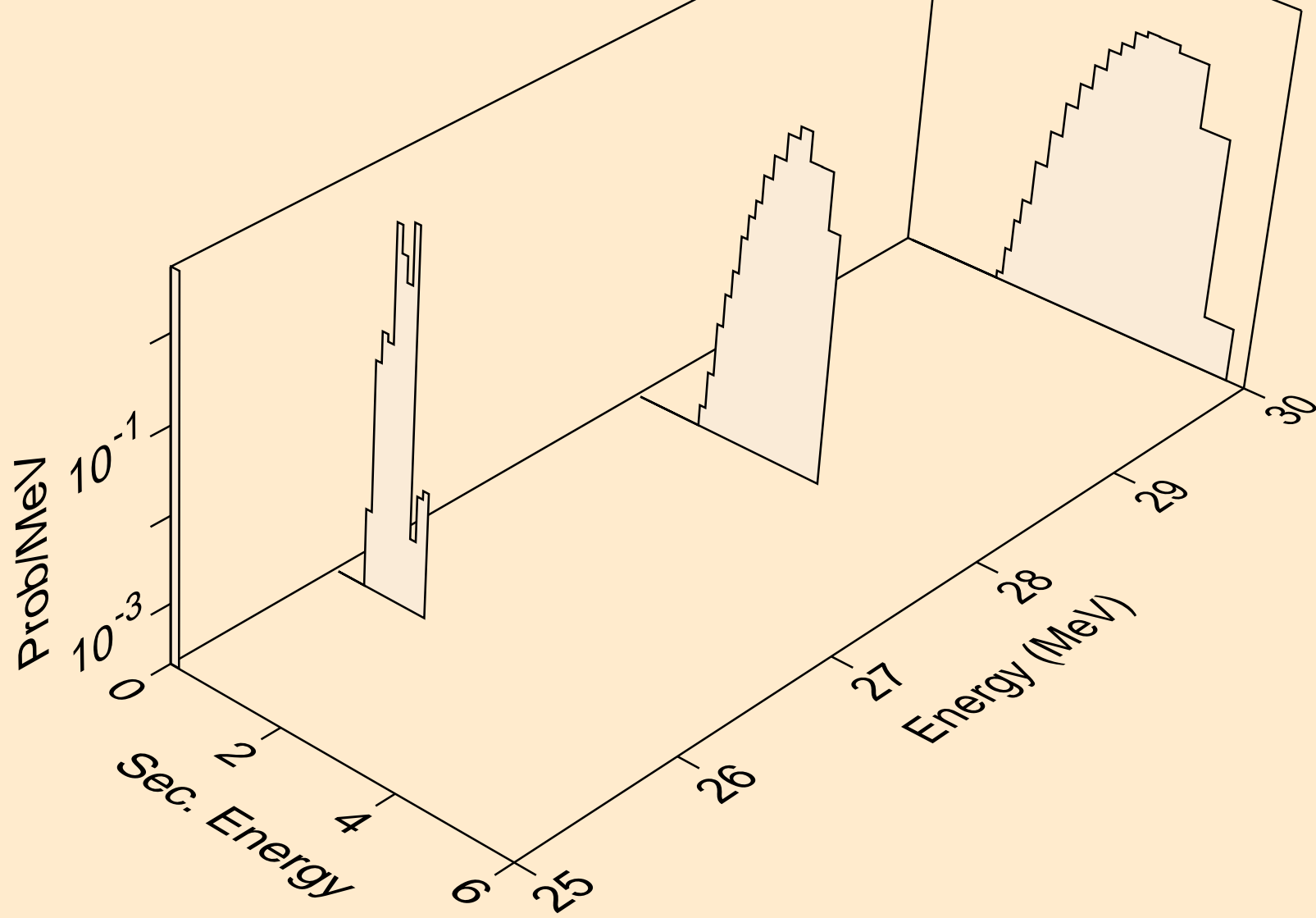
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protons from (n,n\*)p



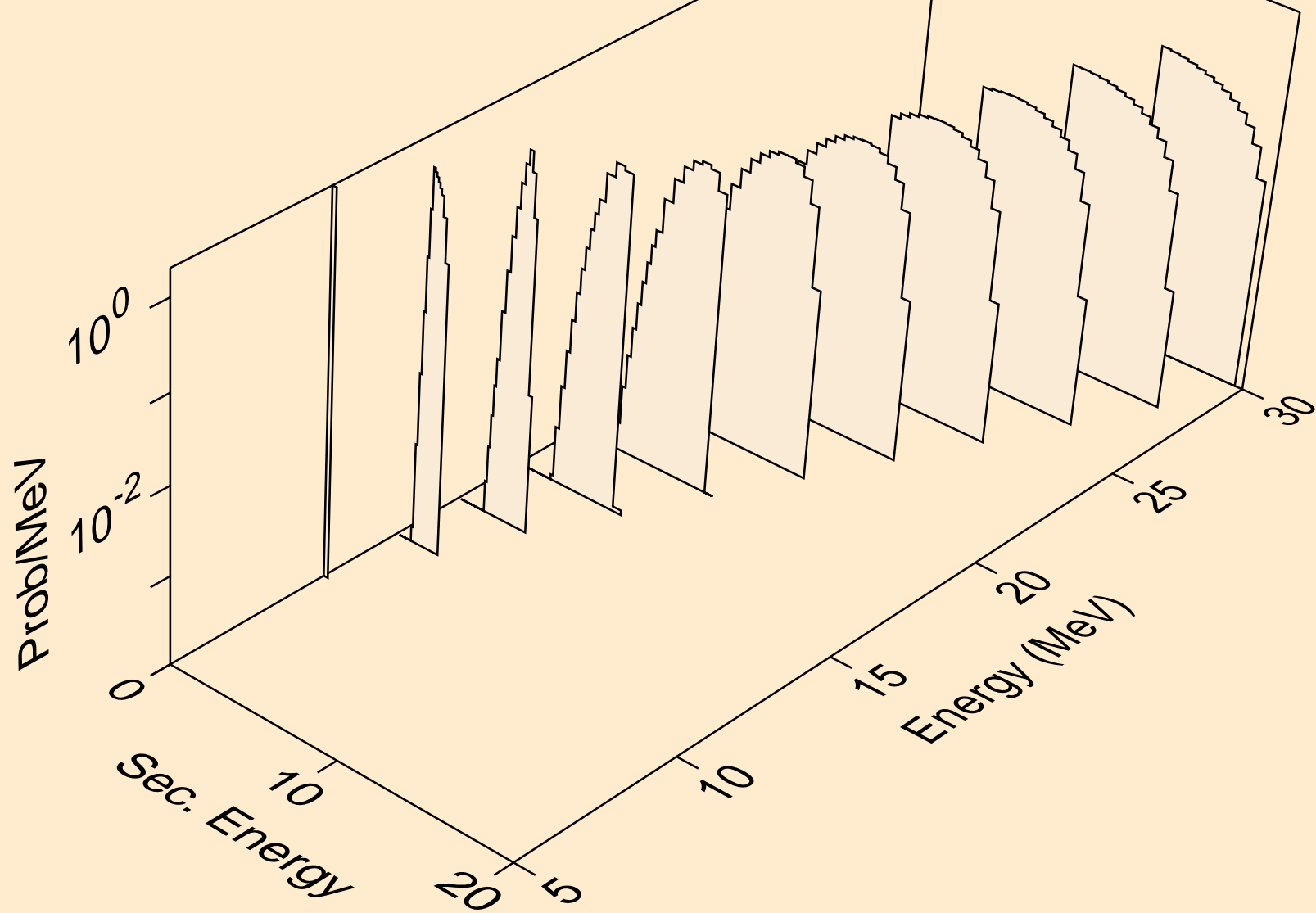
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protons from (n,2np)



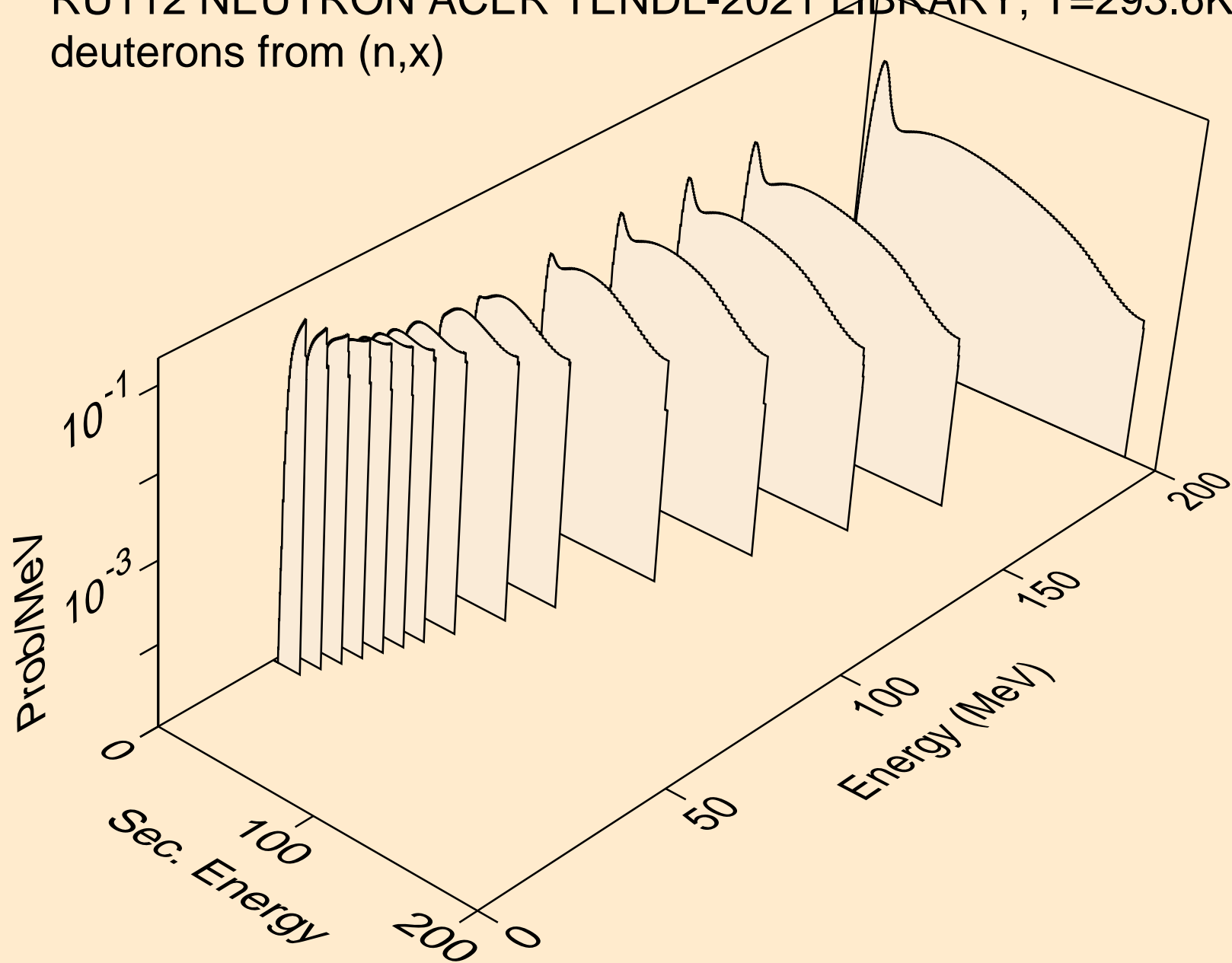
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protons from (n,3np)



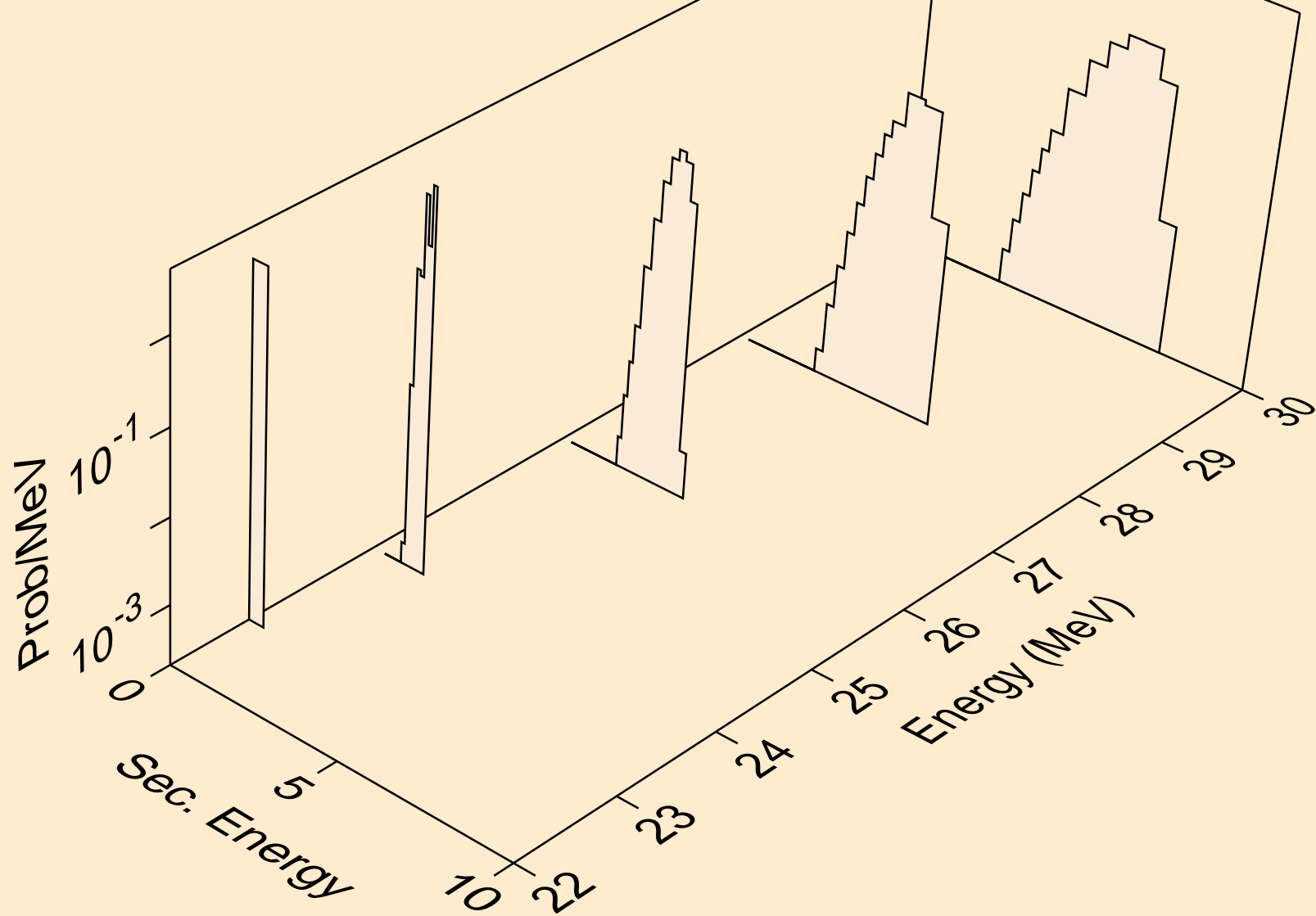
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protons from (n,p)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

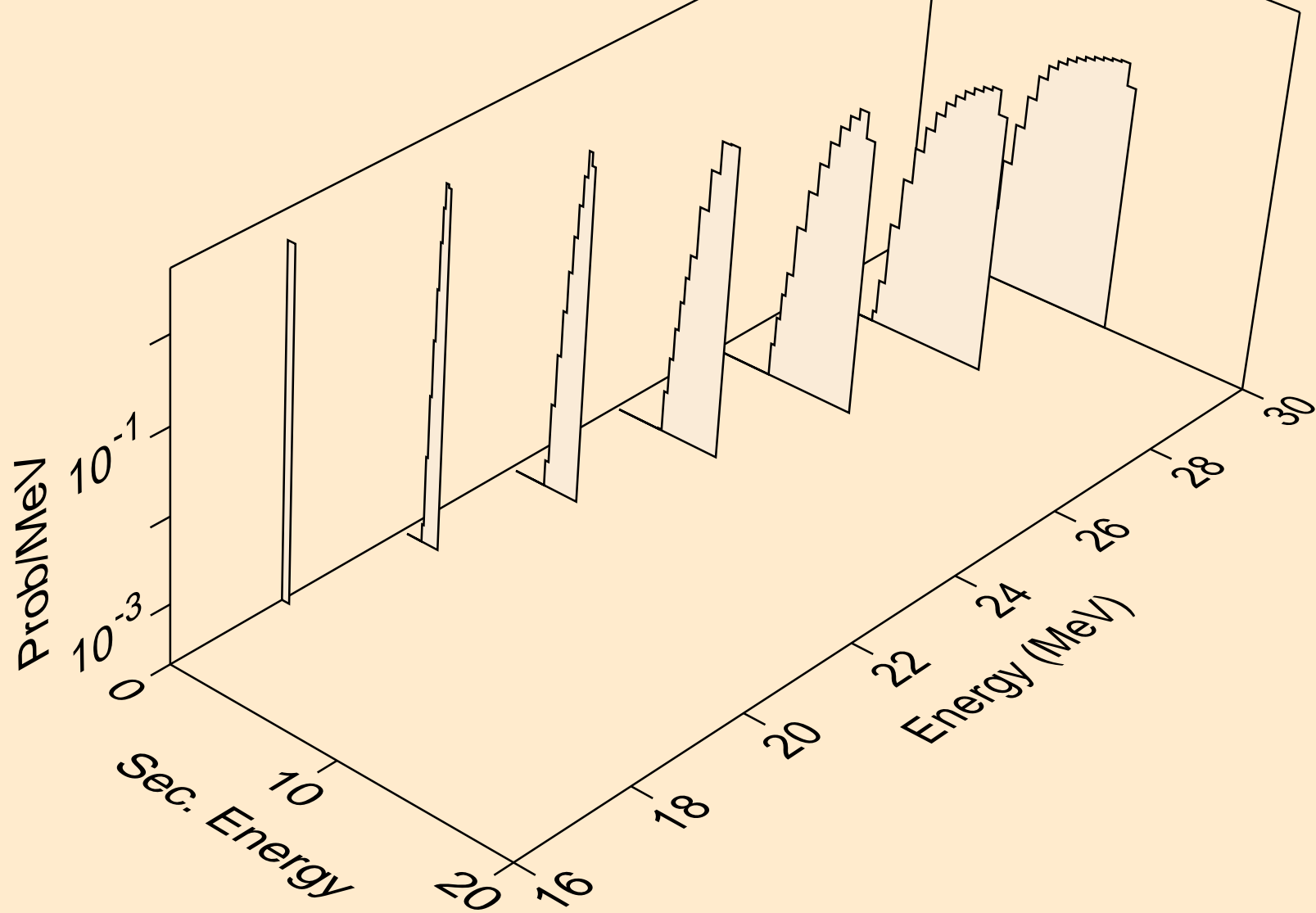


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)

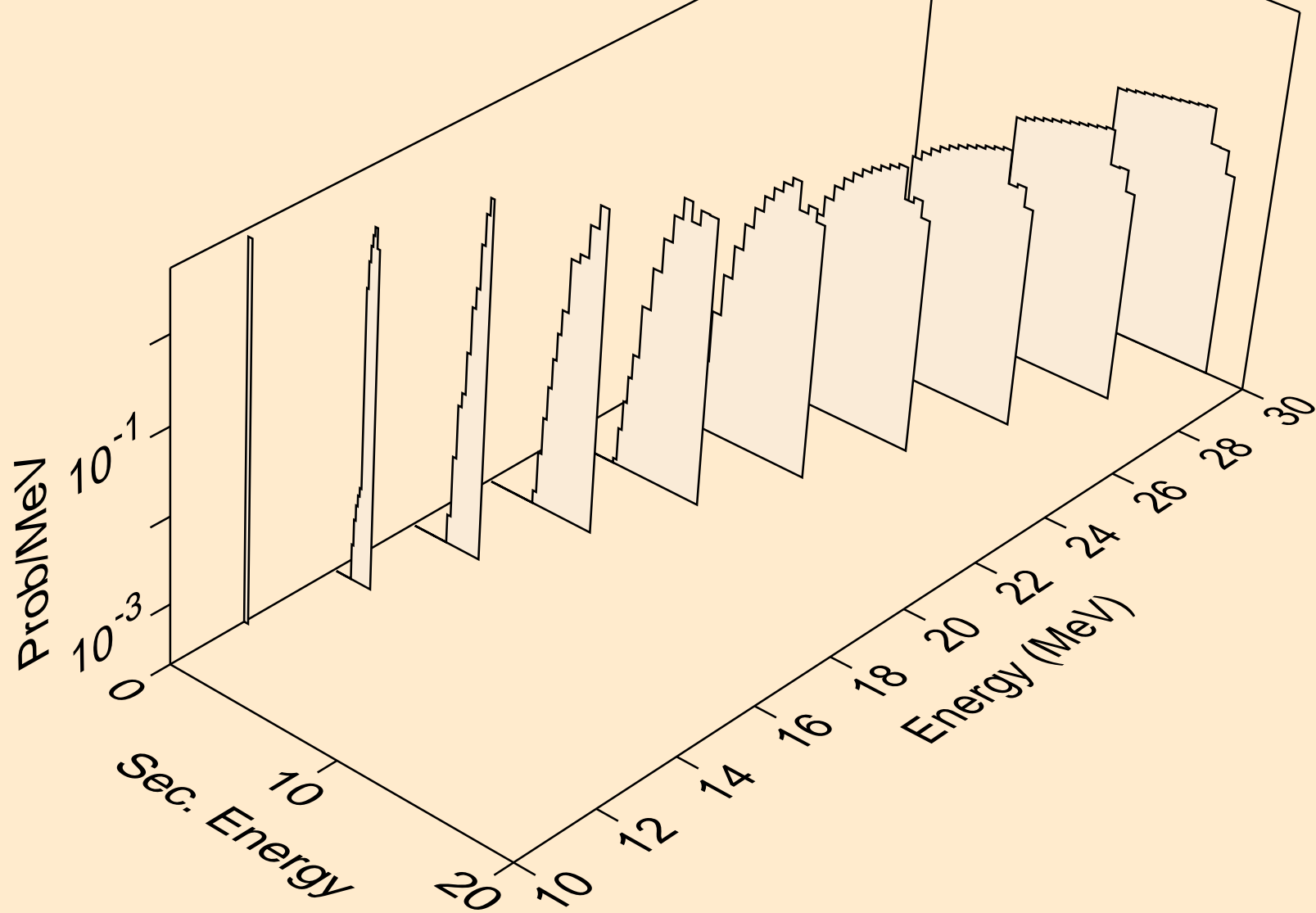




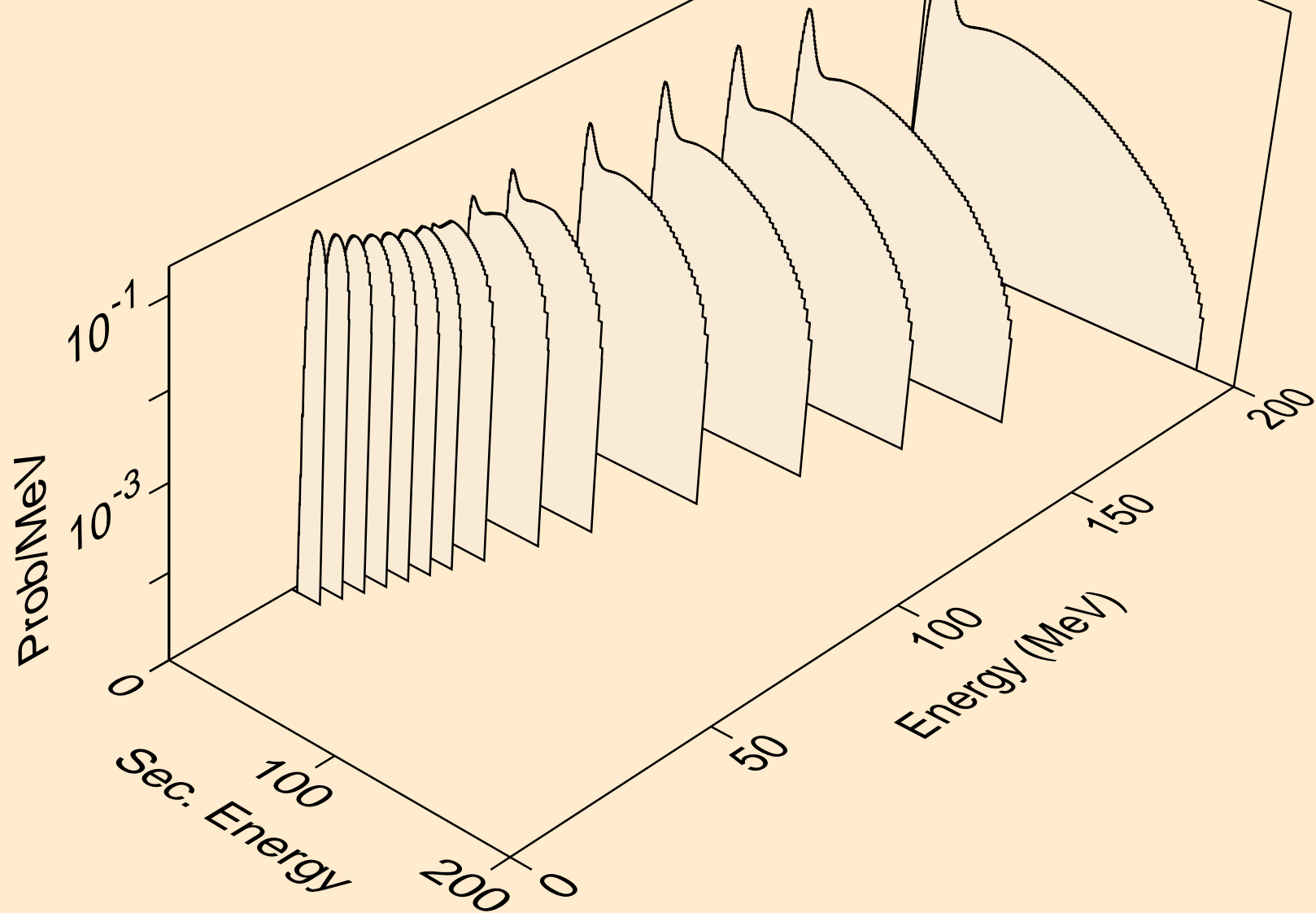
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deuterons from (n,n\*)d



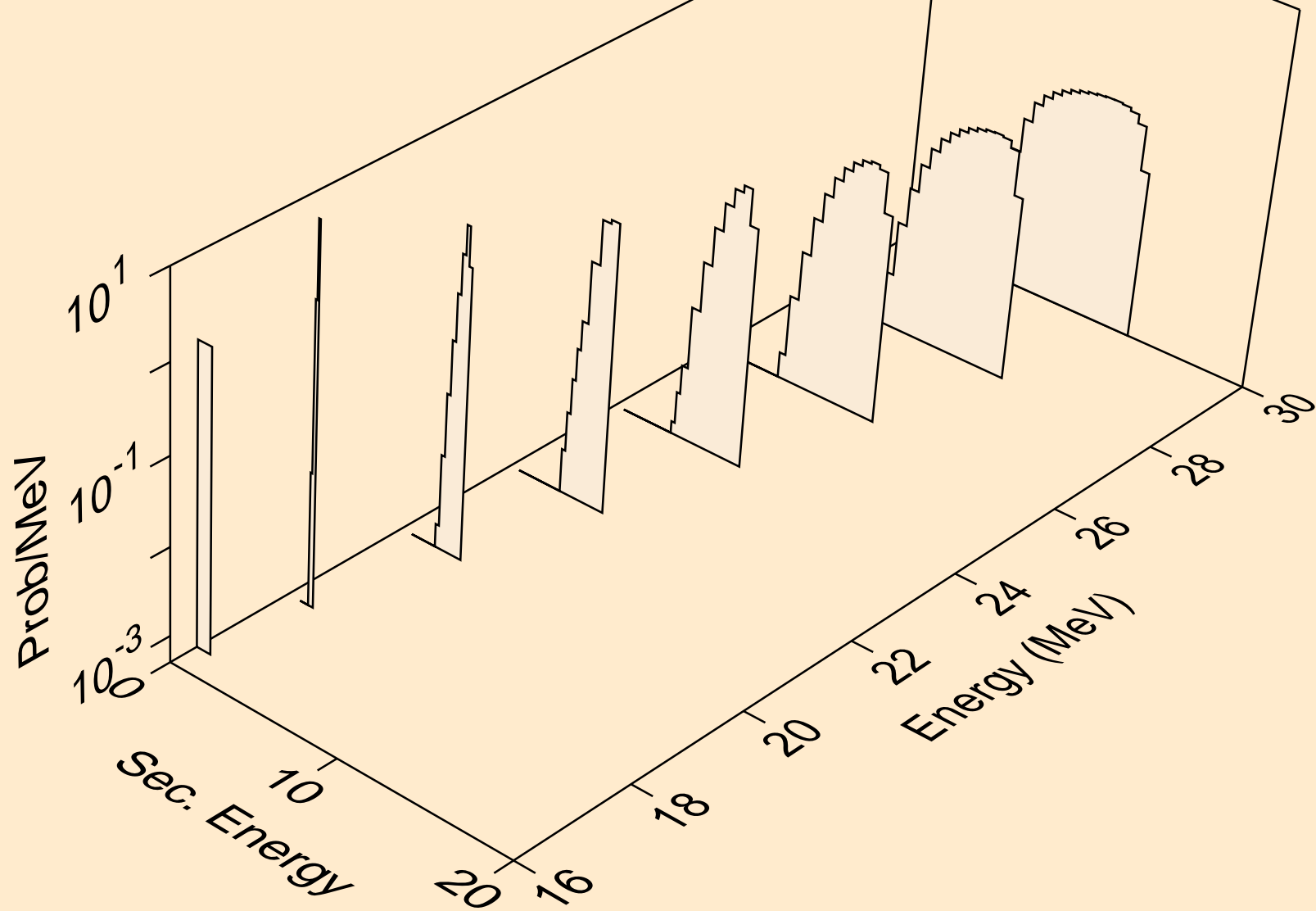
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deuterons from (n,d)



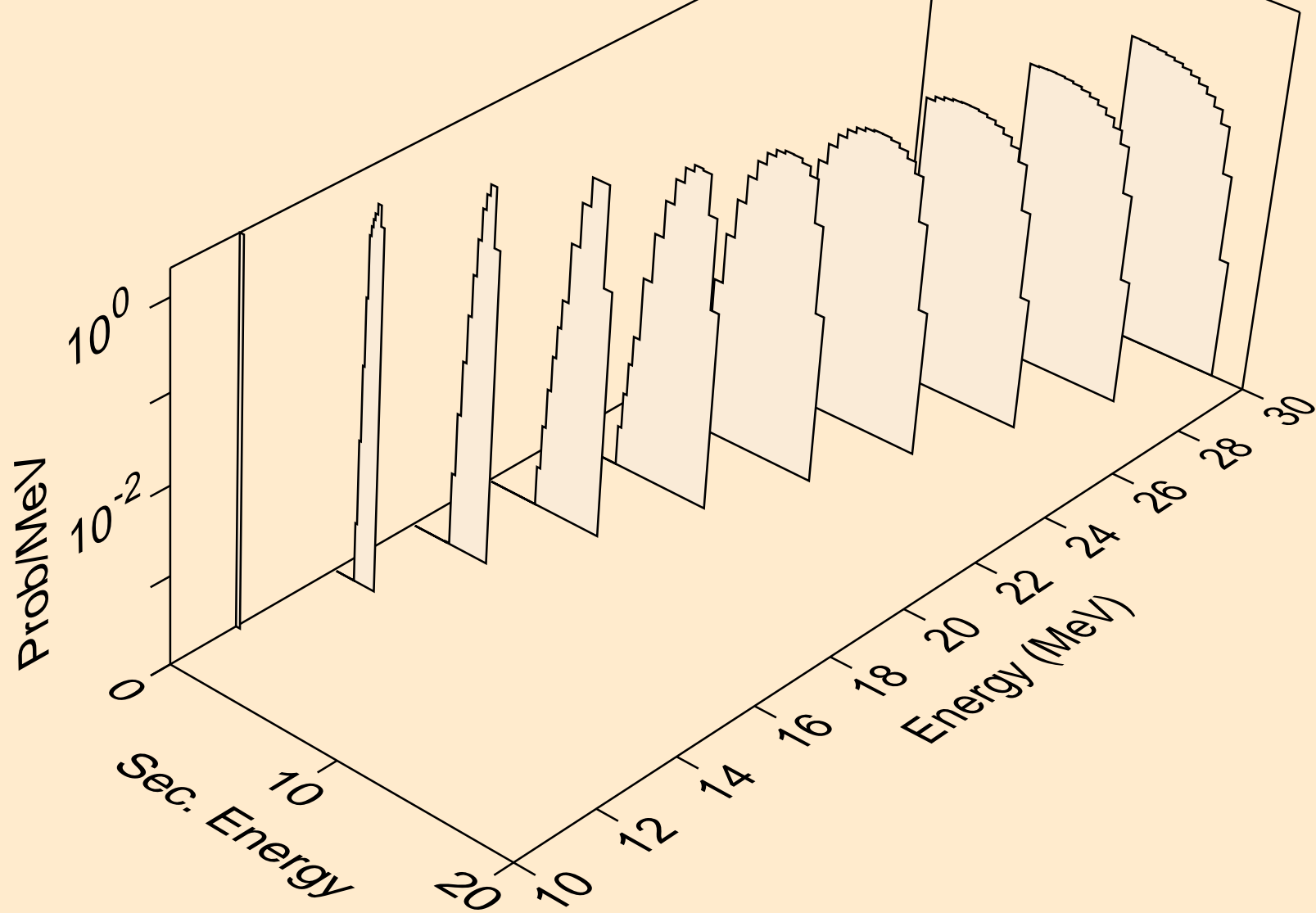
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tritons from (n,x)



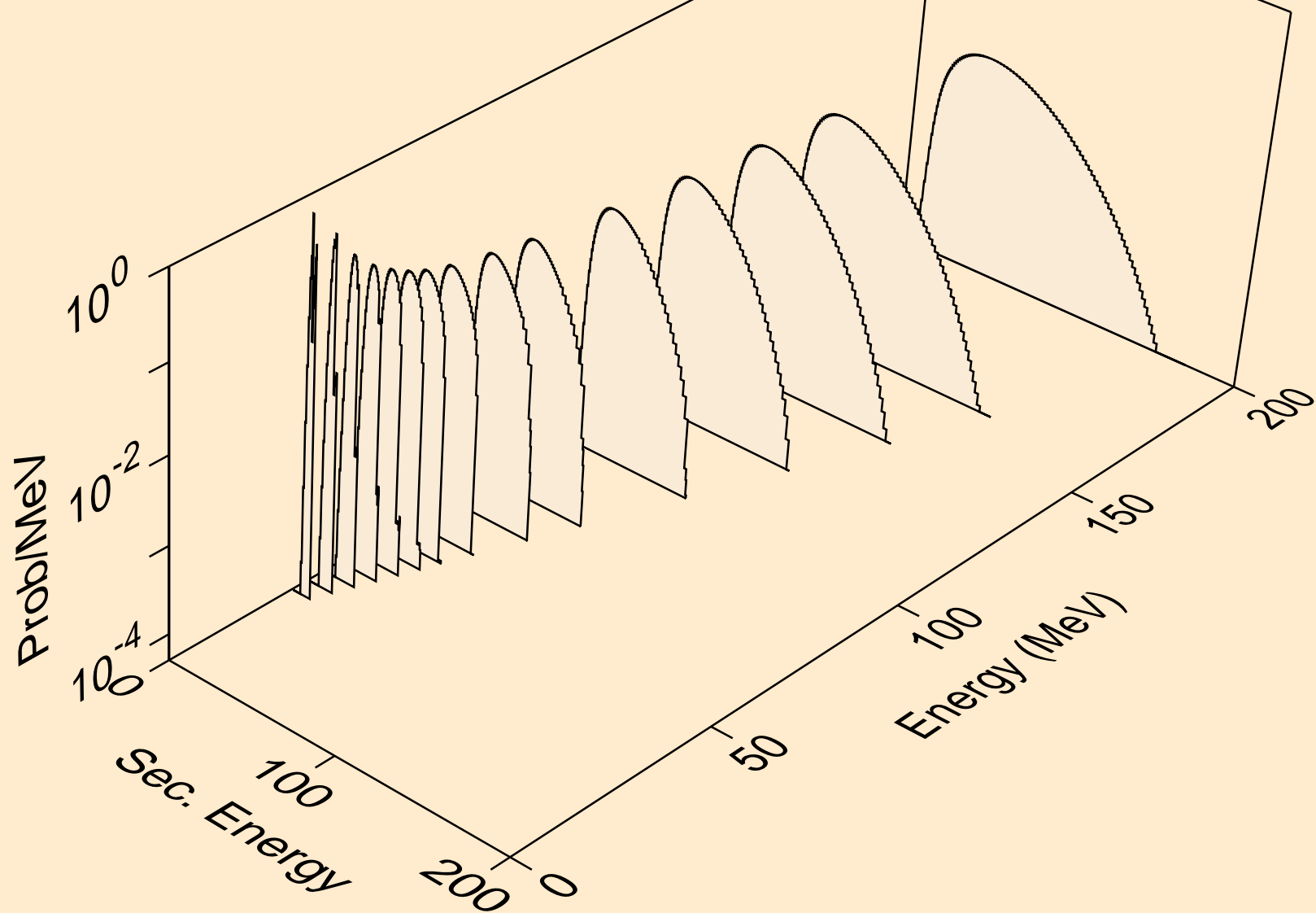
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tritons from (n,n\*)t



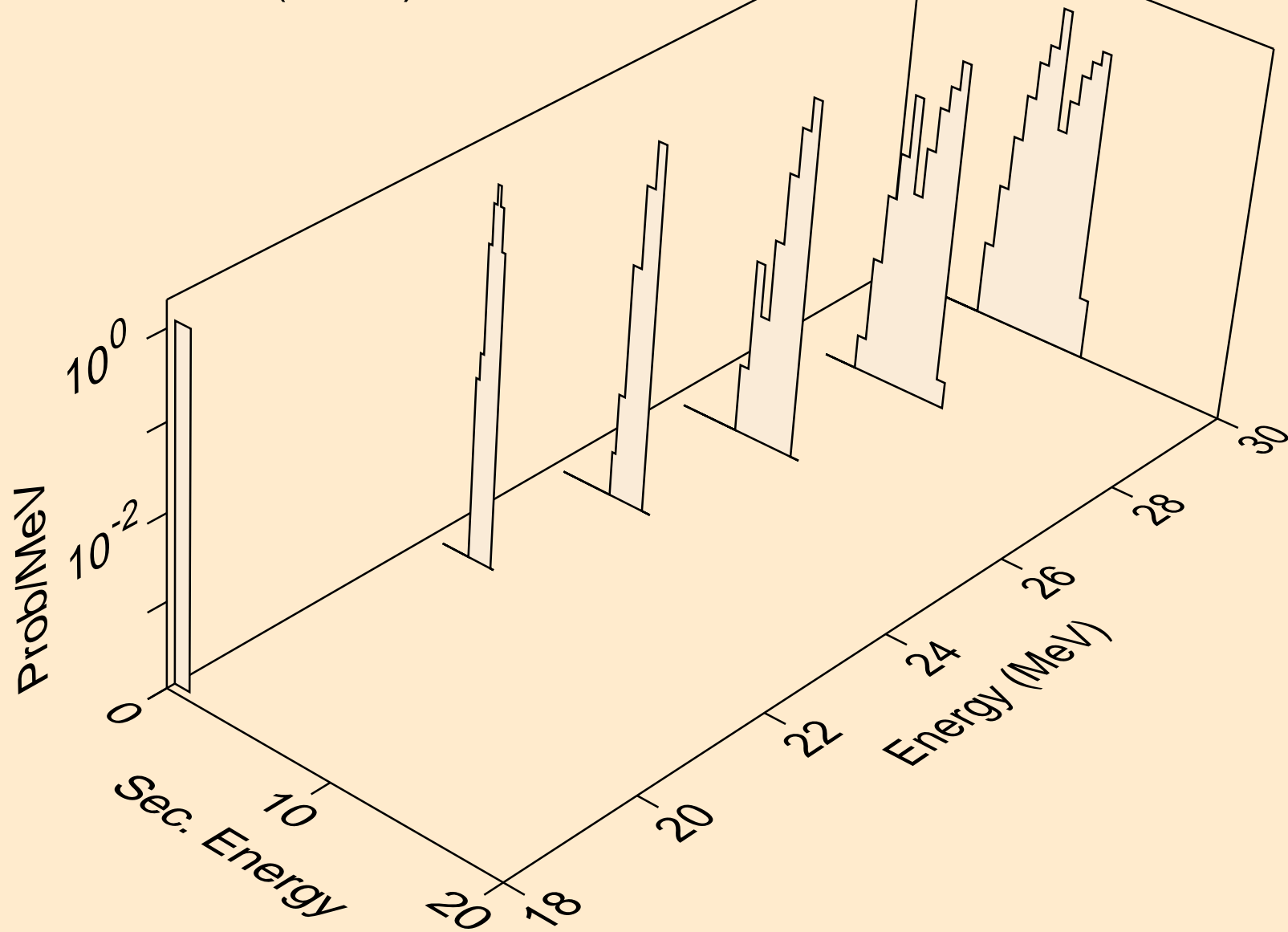
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tritons from (n,t)



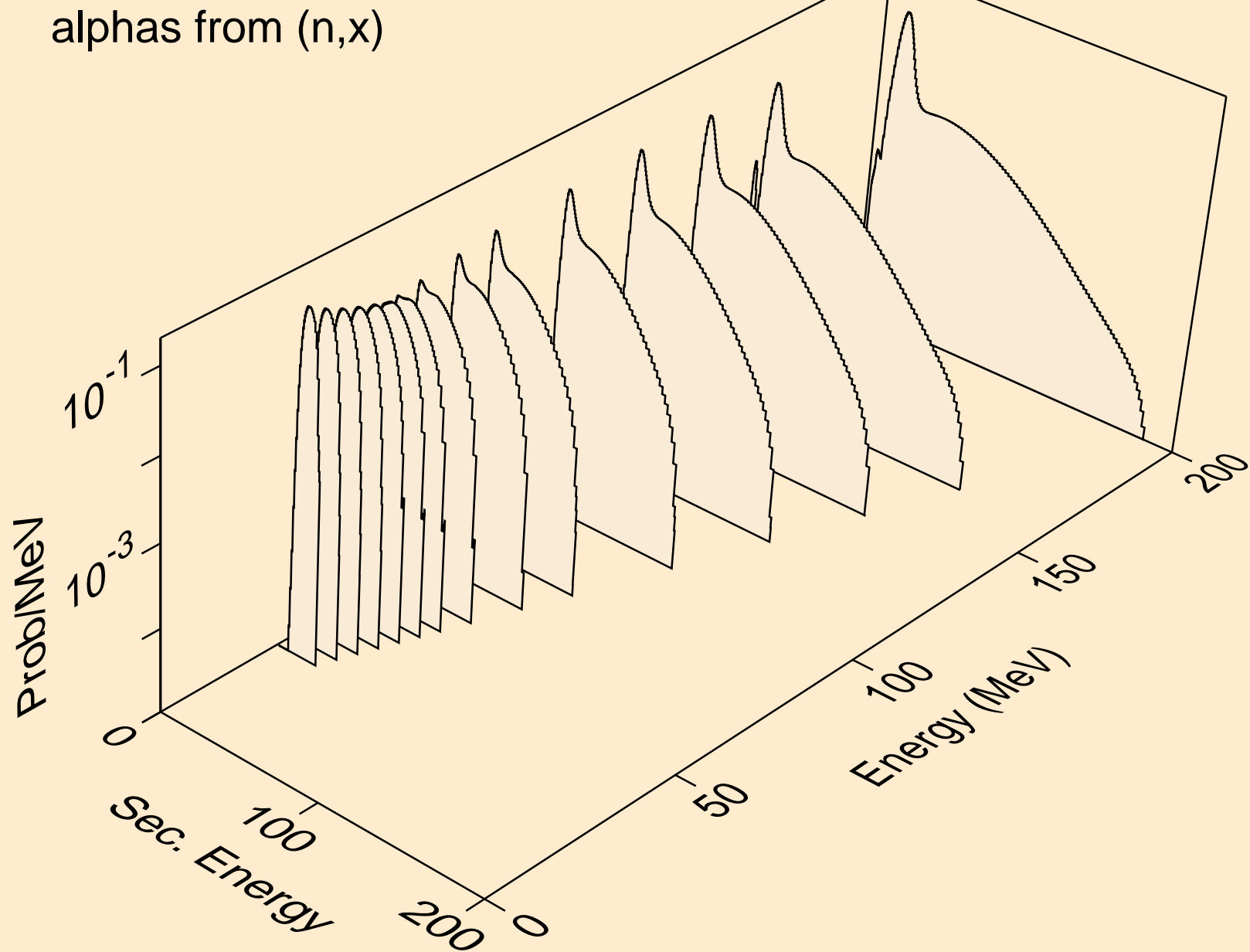
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

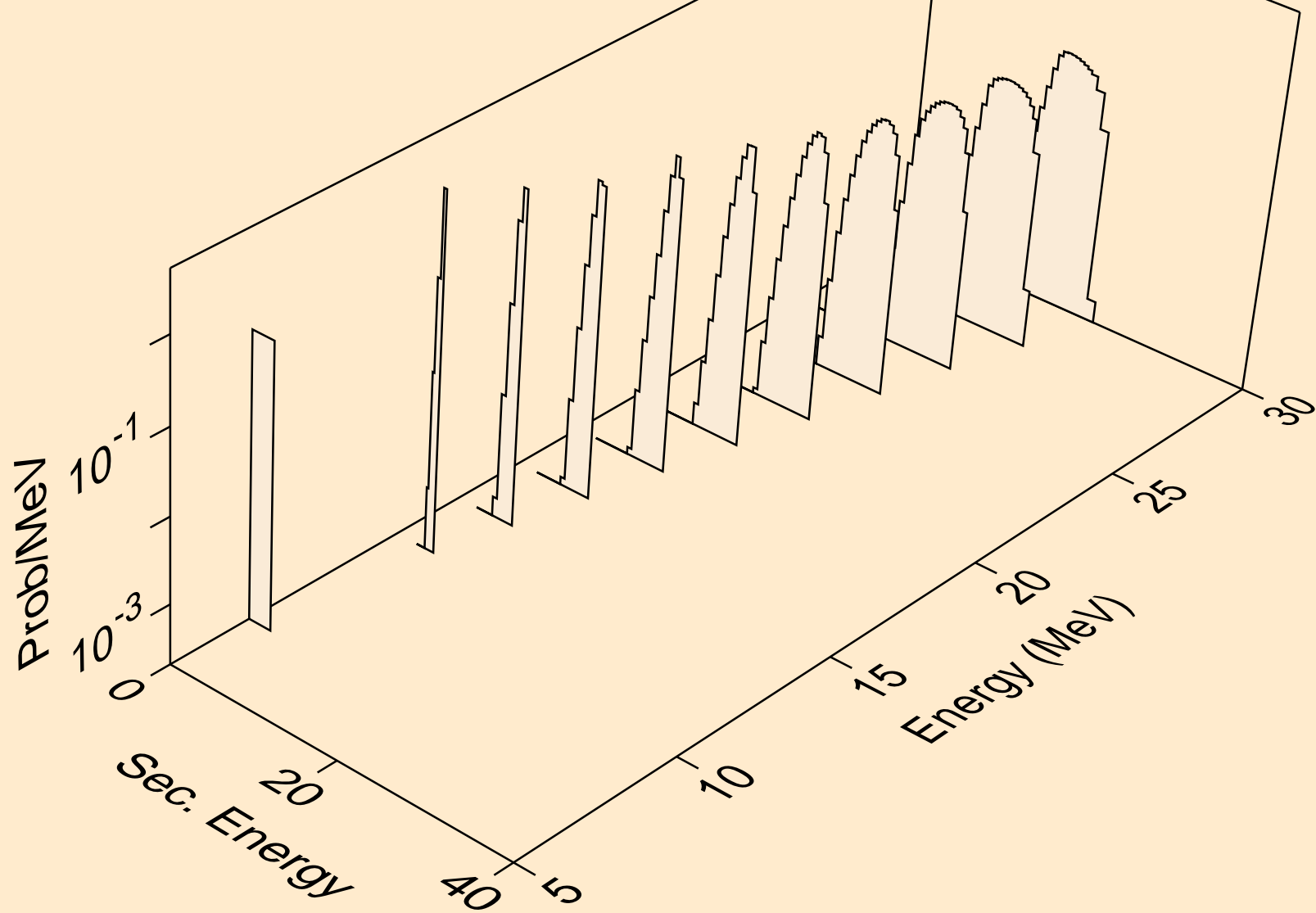


RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

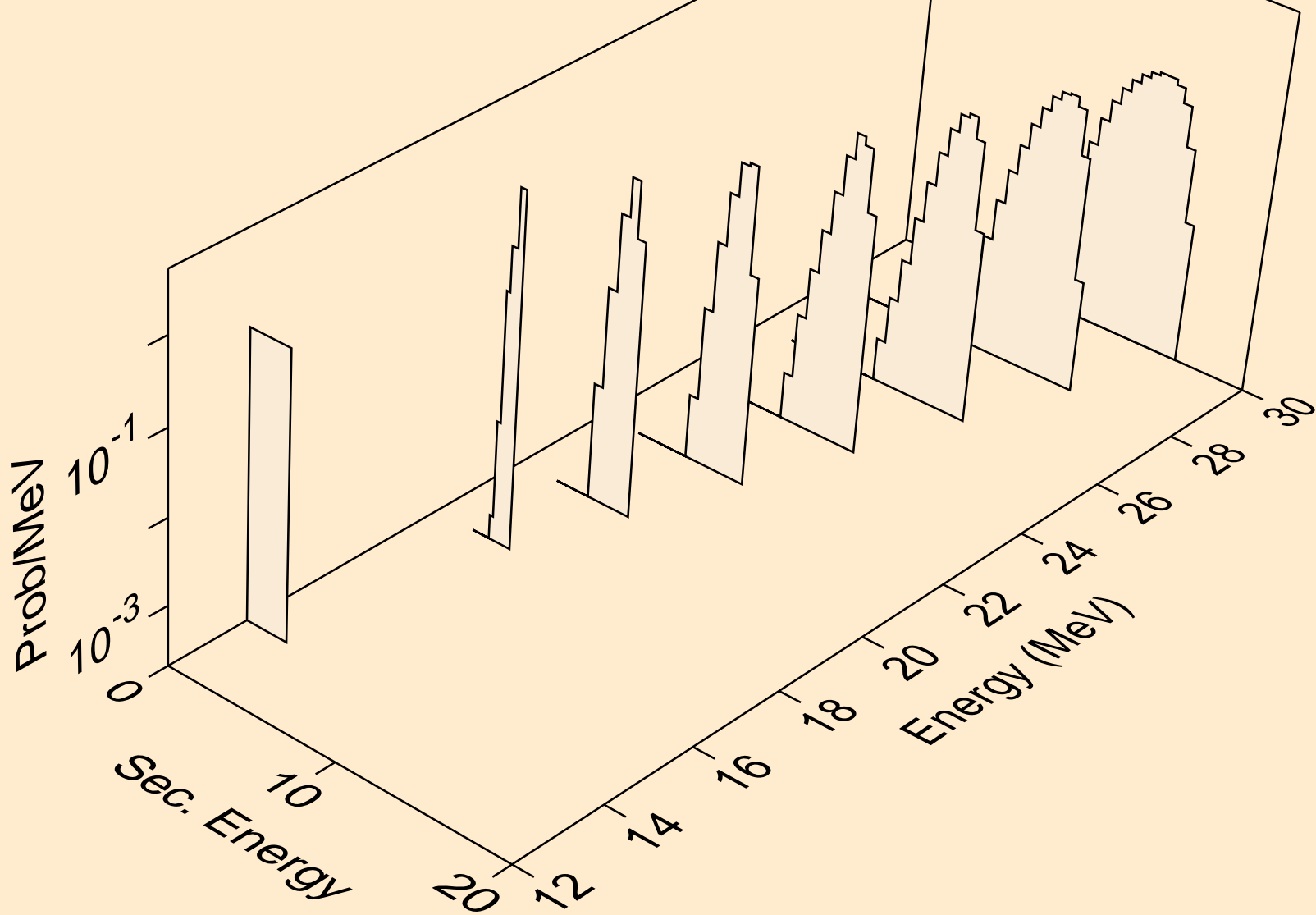




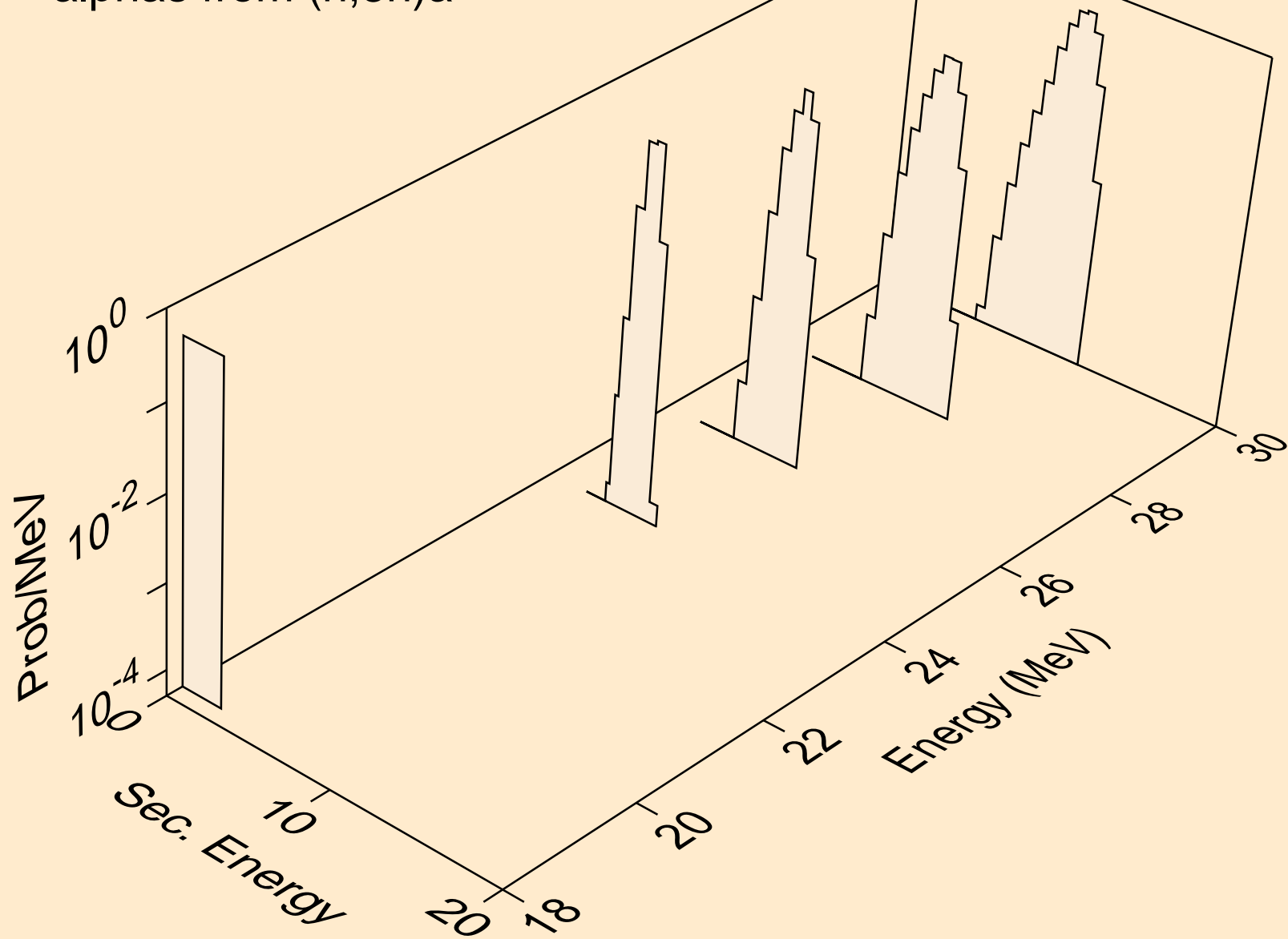
RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



RU112 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

