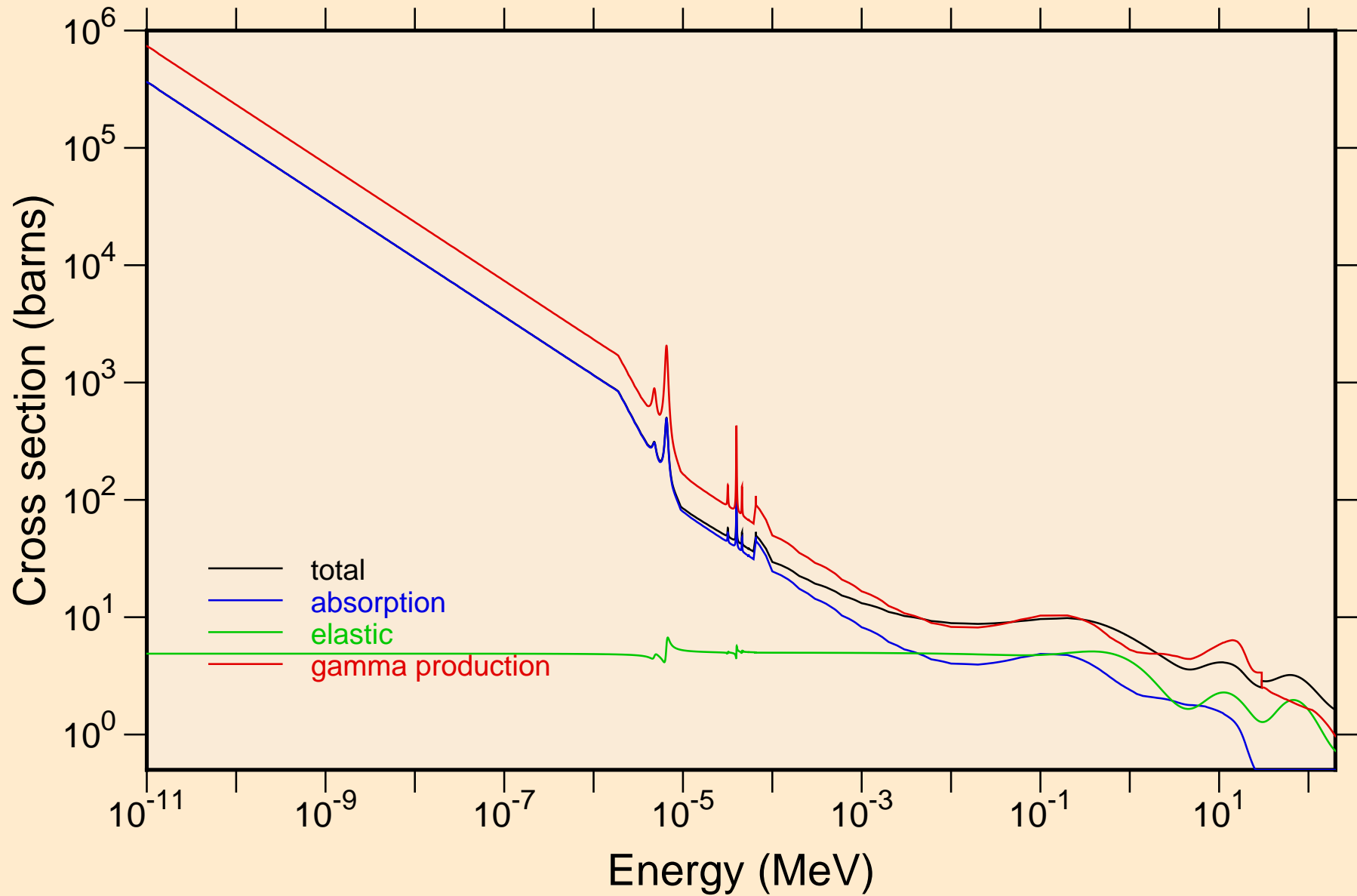
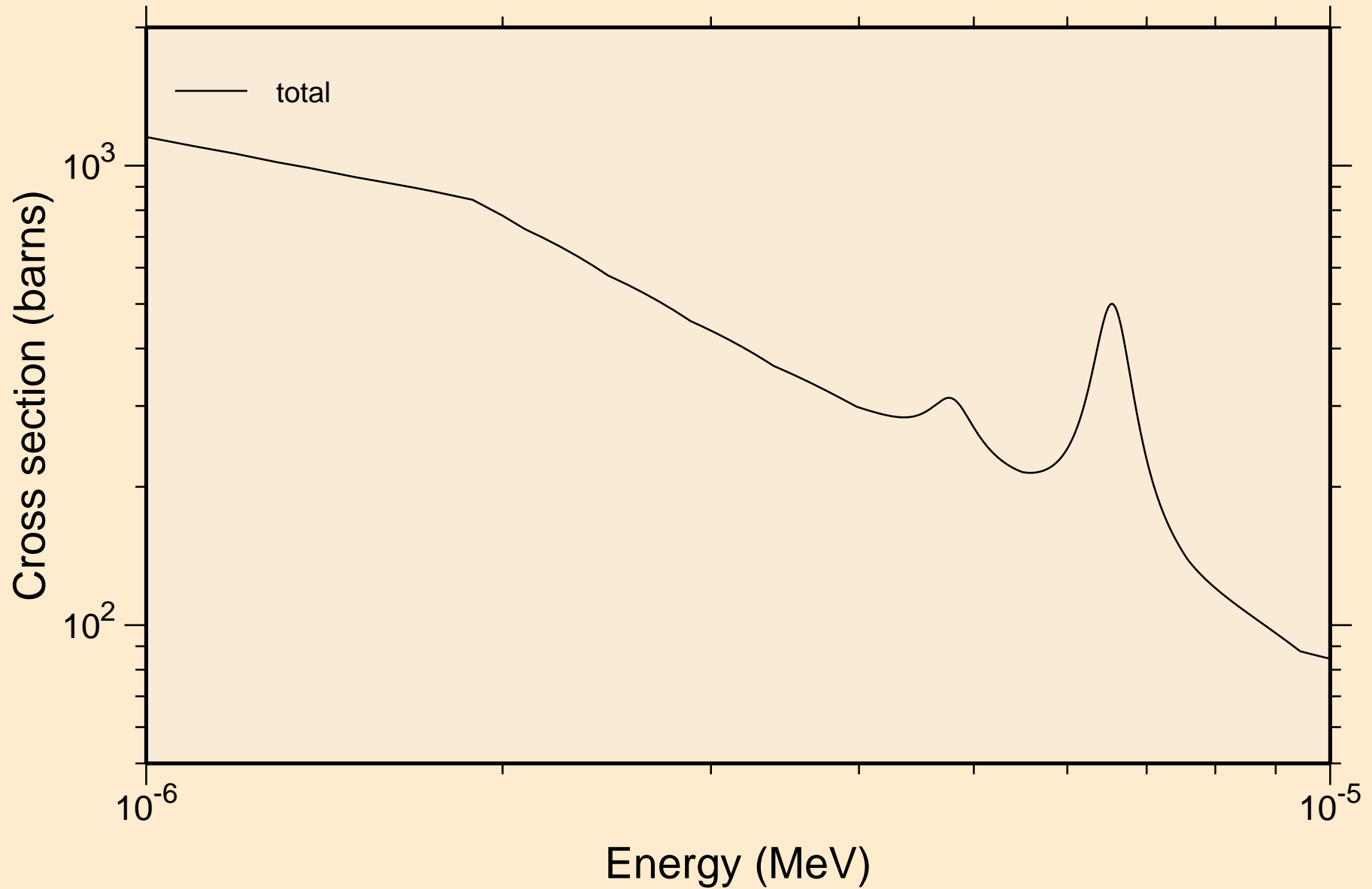


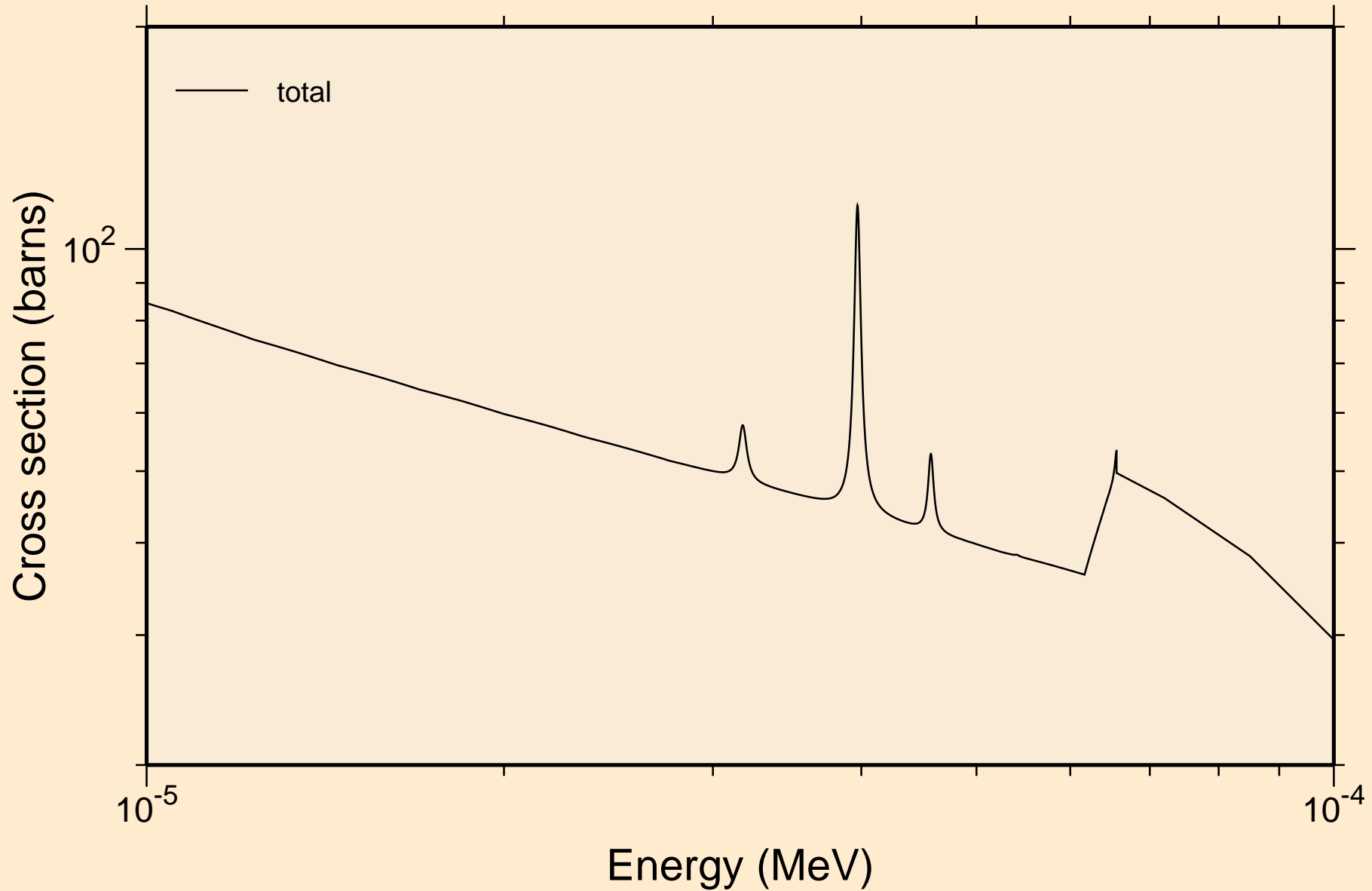
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



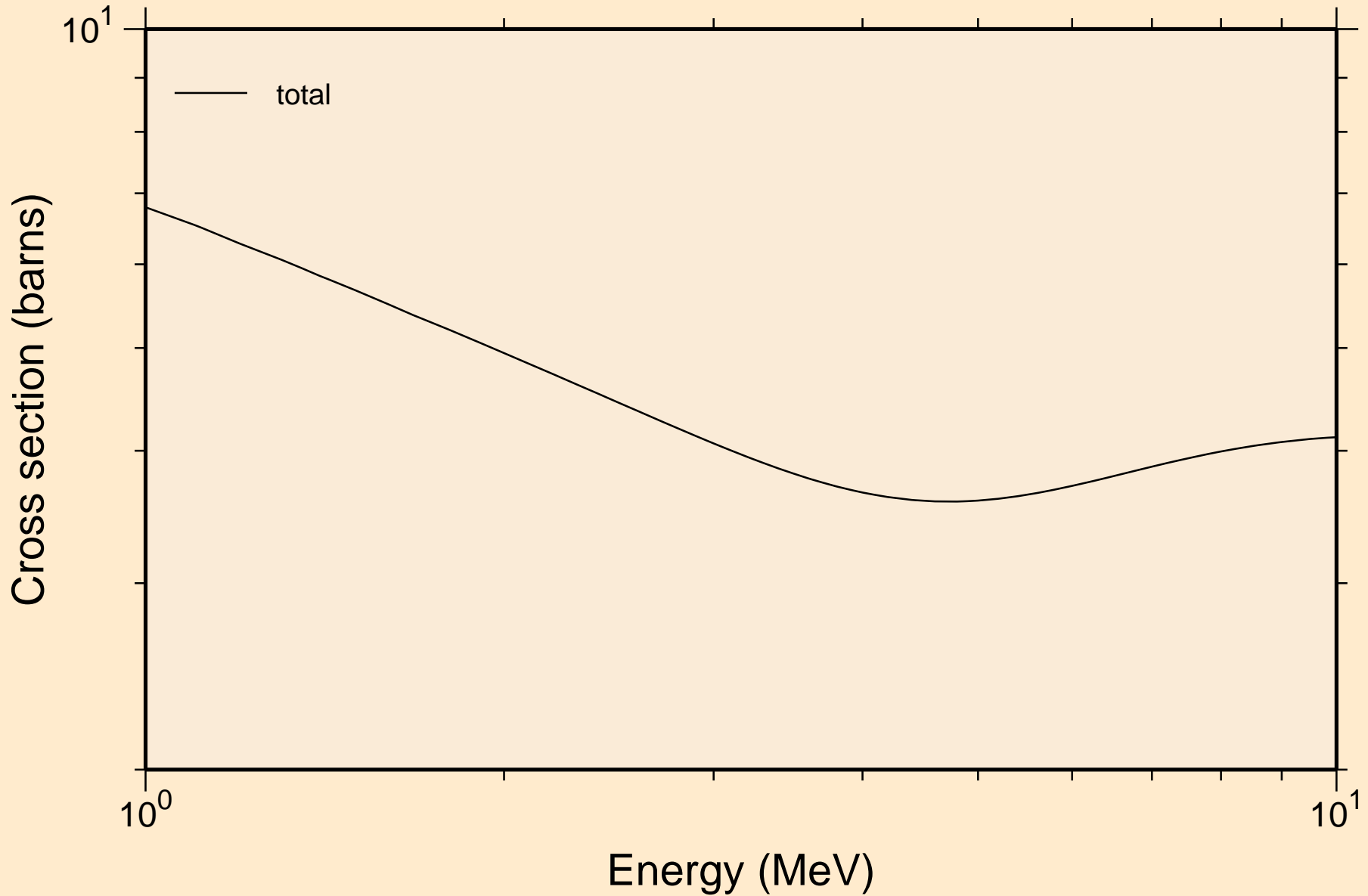
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



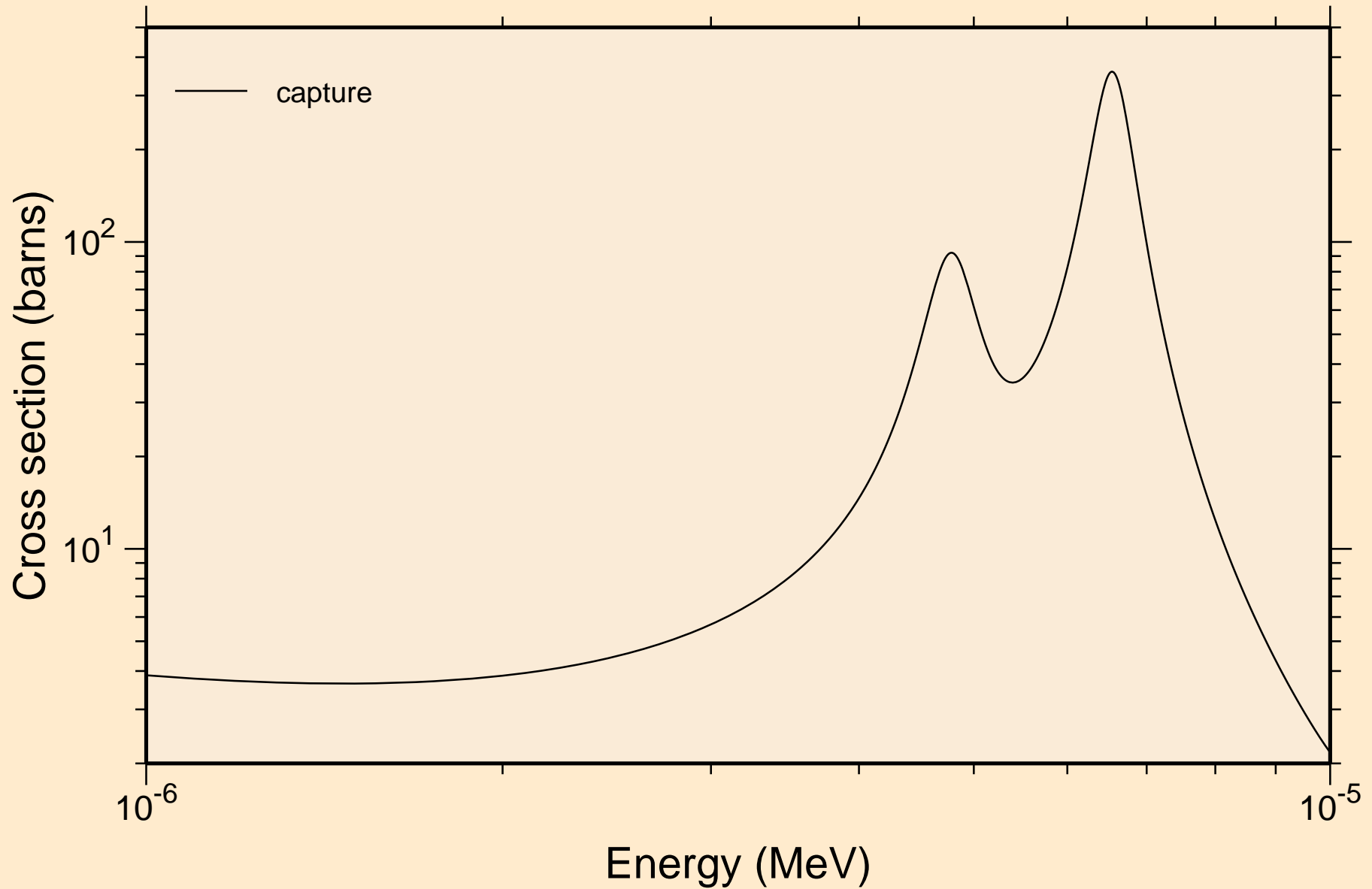
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resonance total cross section



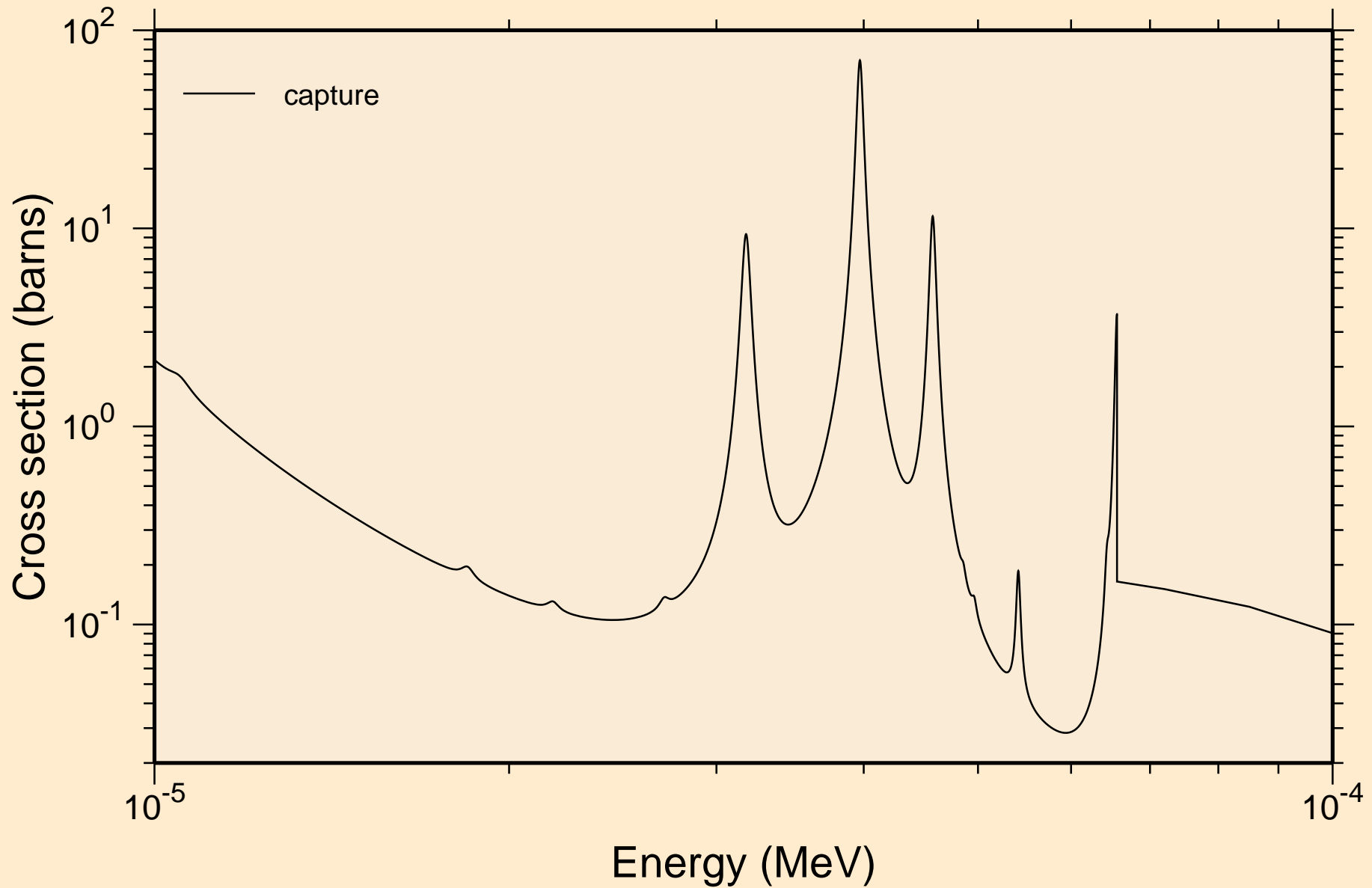
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resonance total cross section



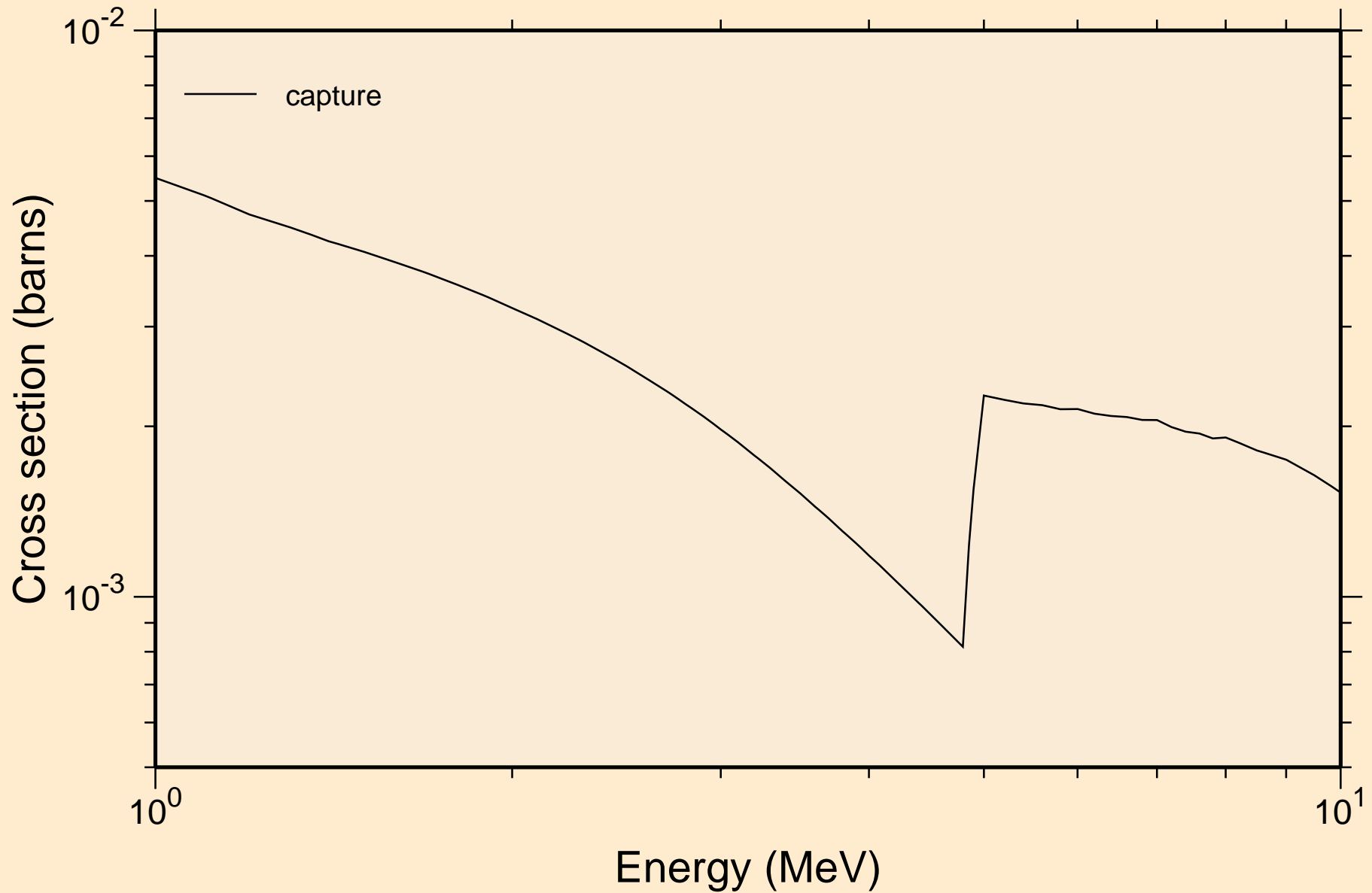
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

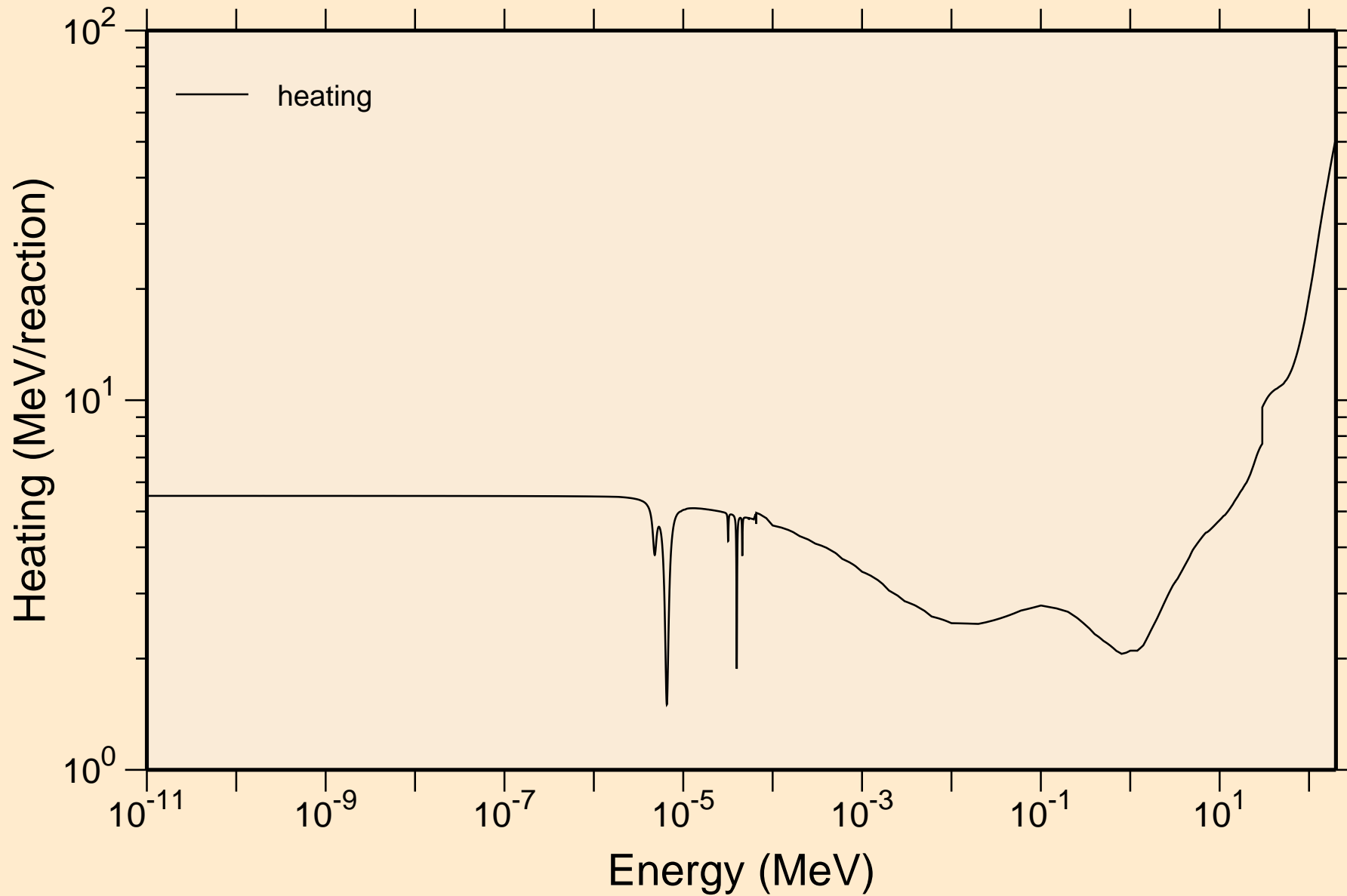


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



# RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

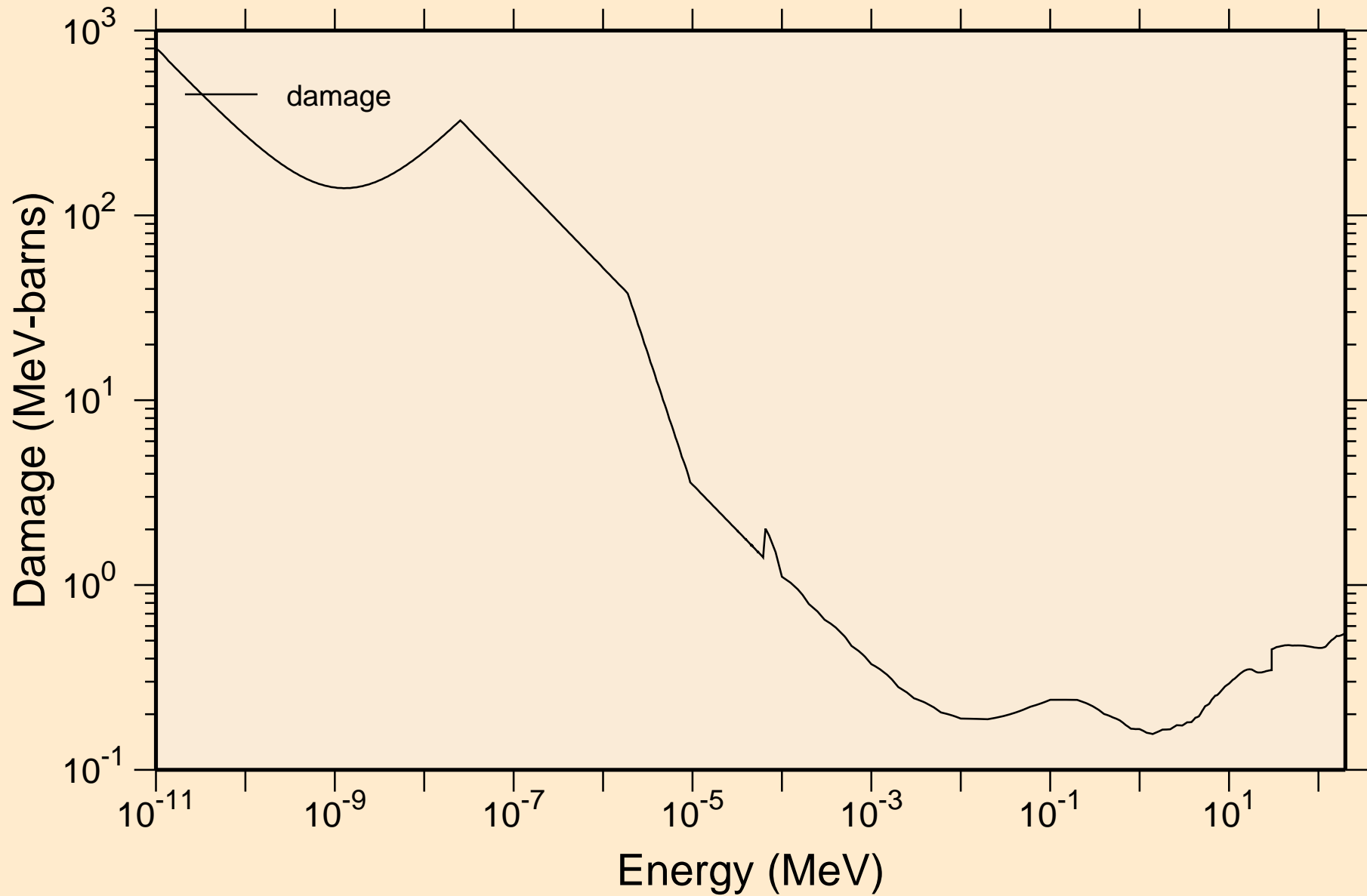
## Heating



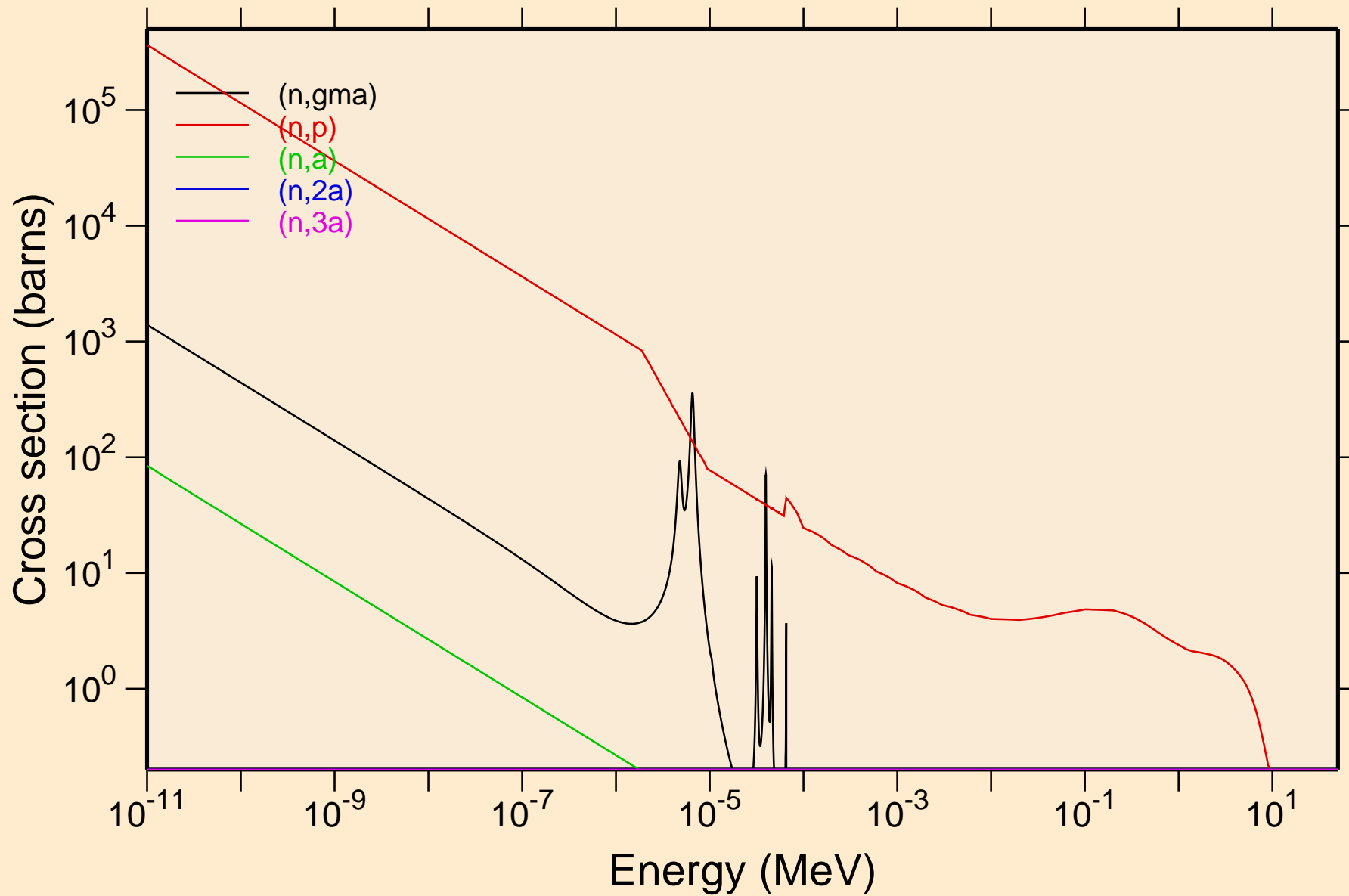


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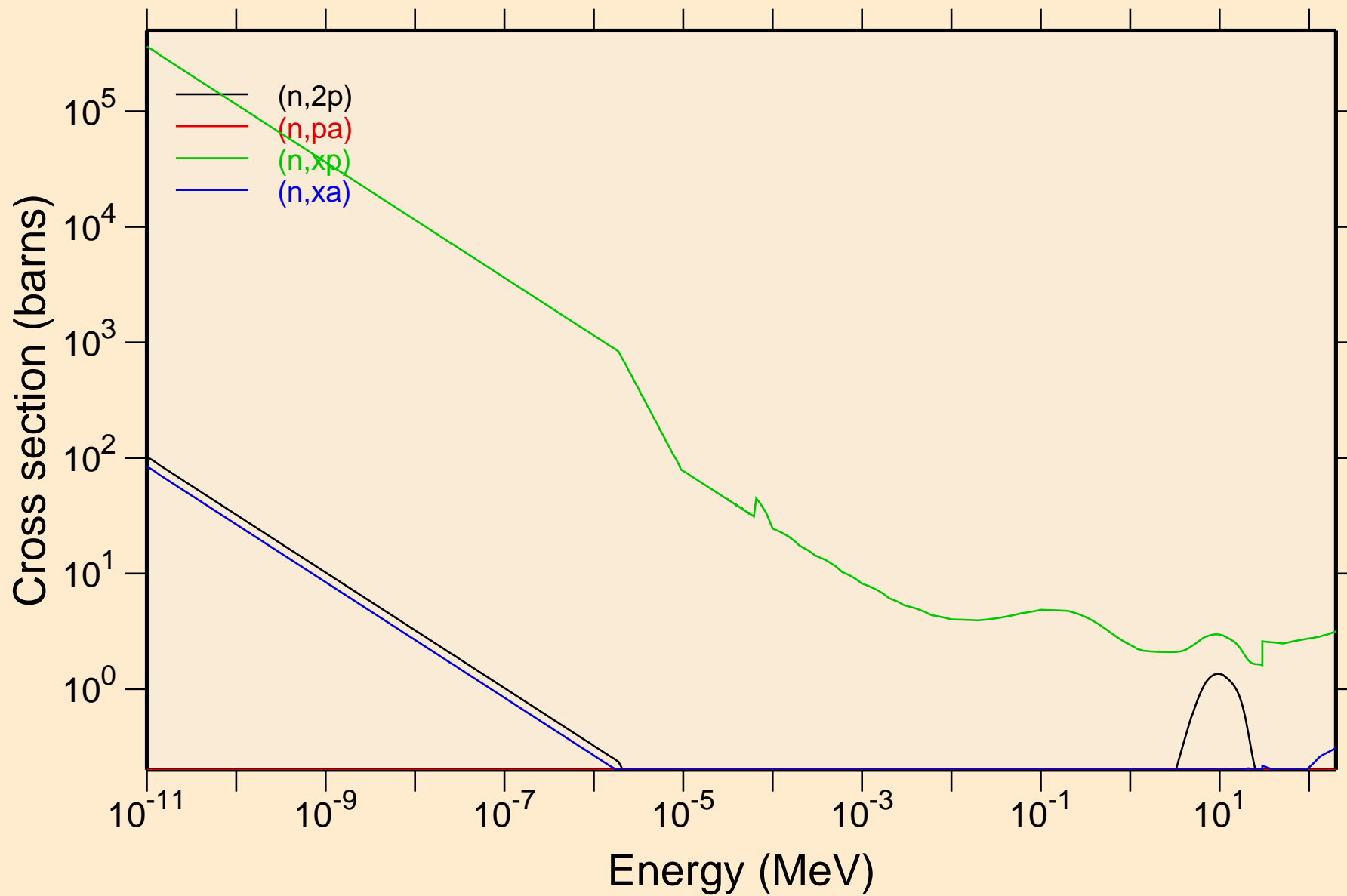
## Damage



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

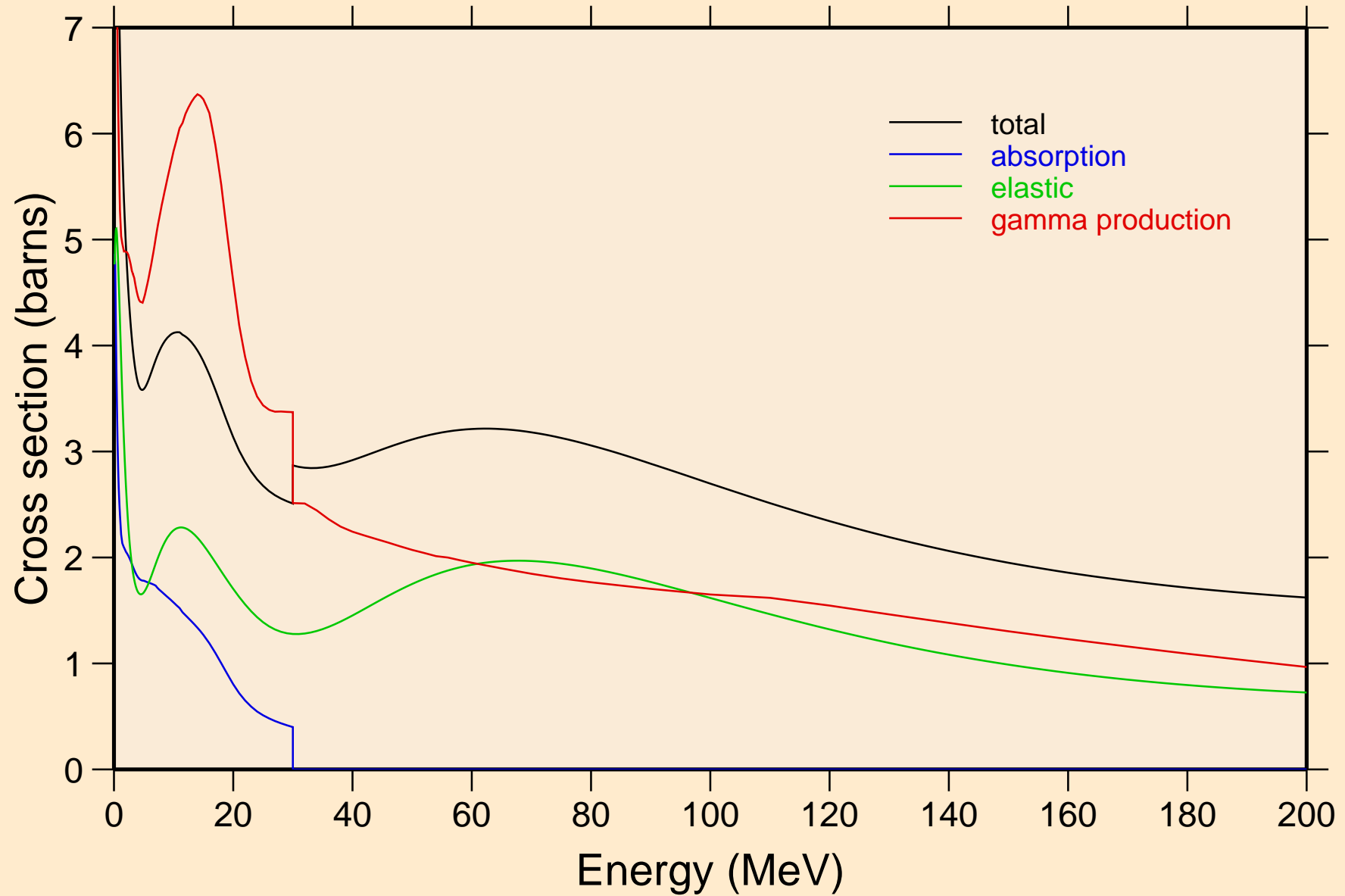


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



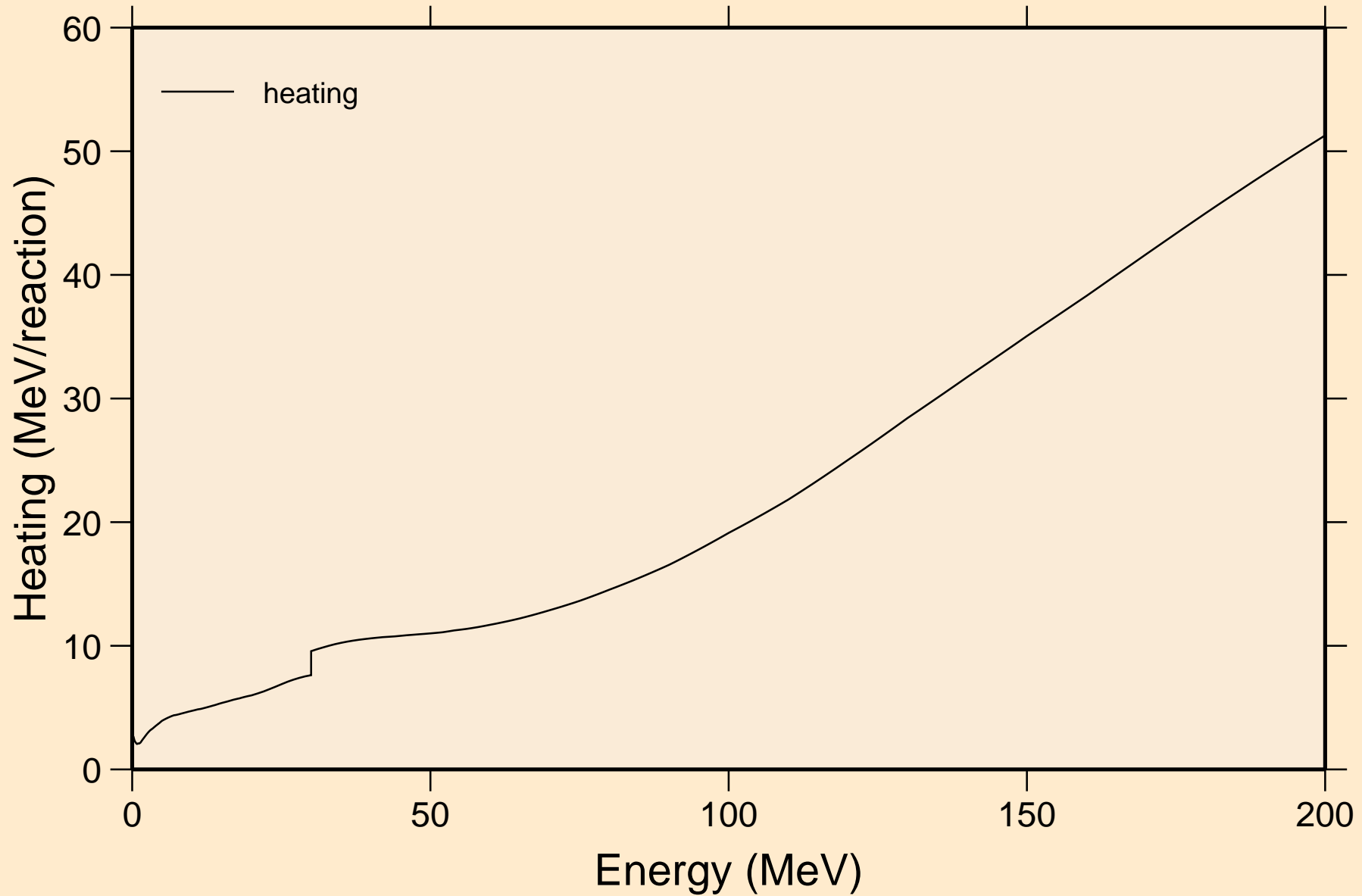
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## Principal cross sections

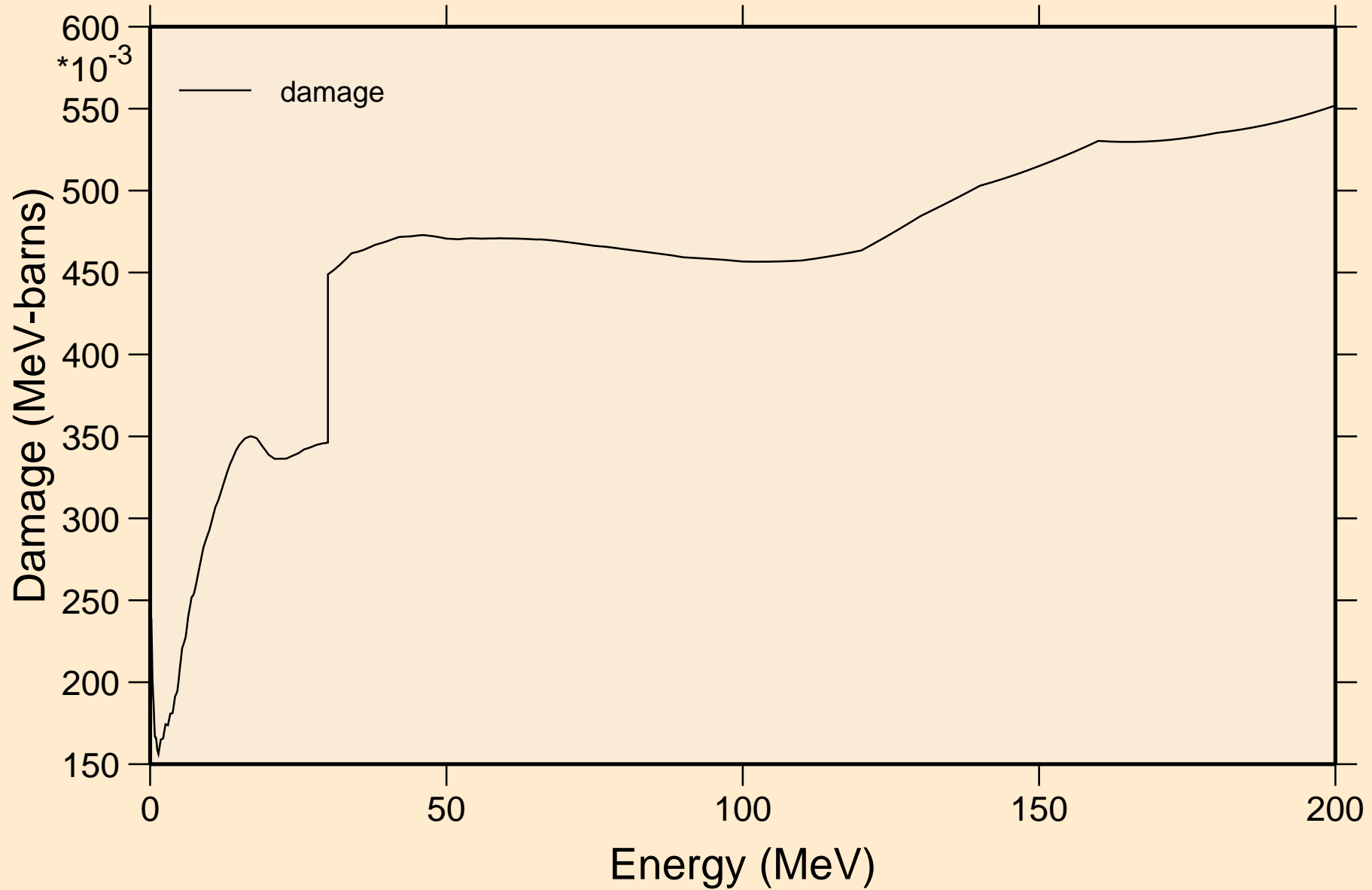


# RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

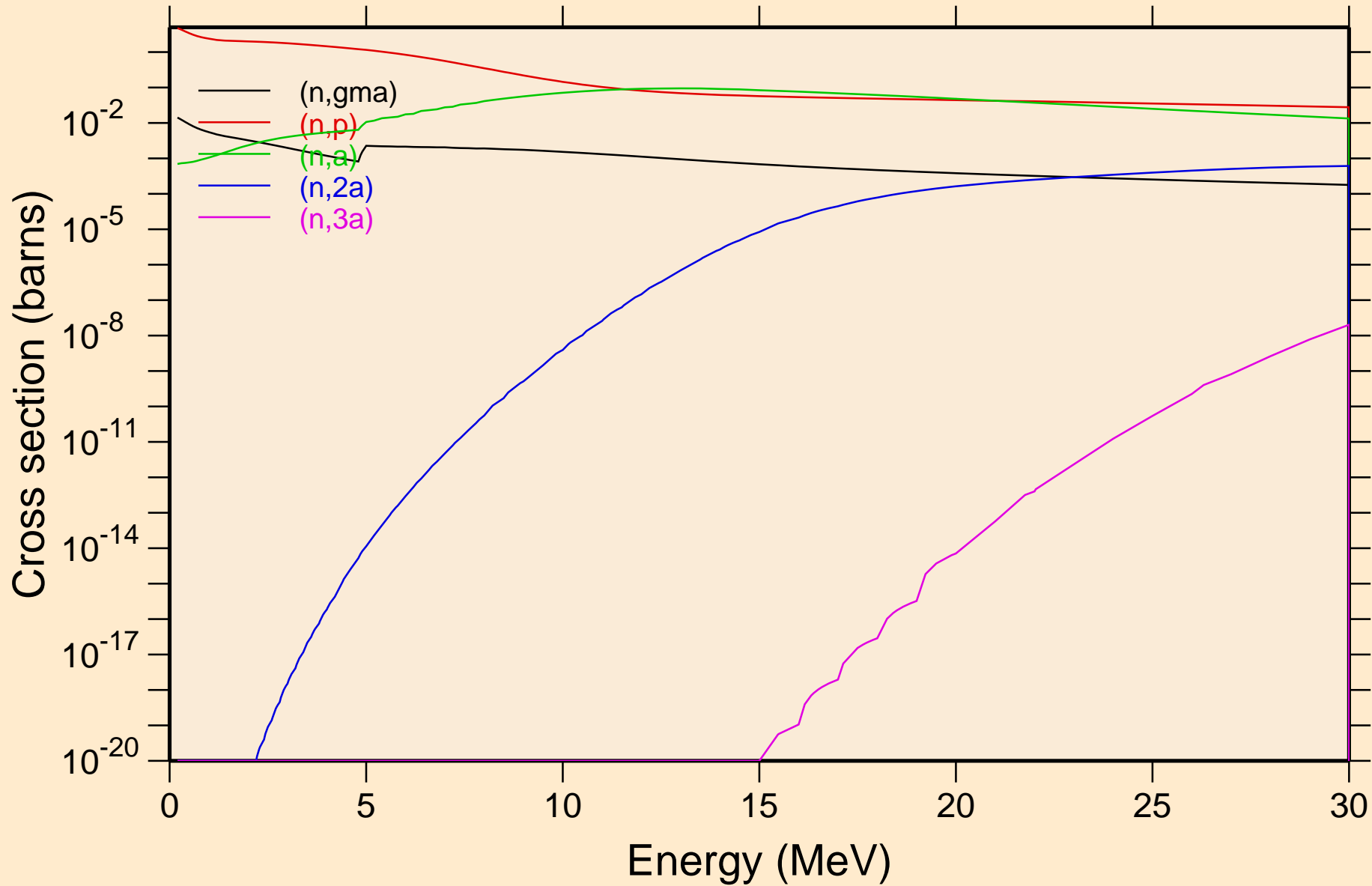
## Heating



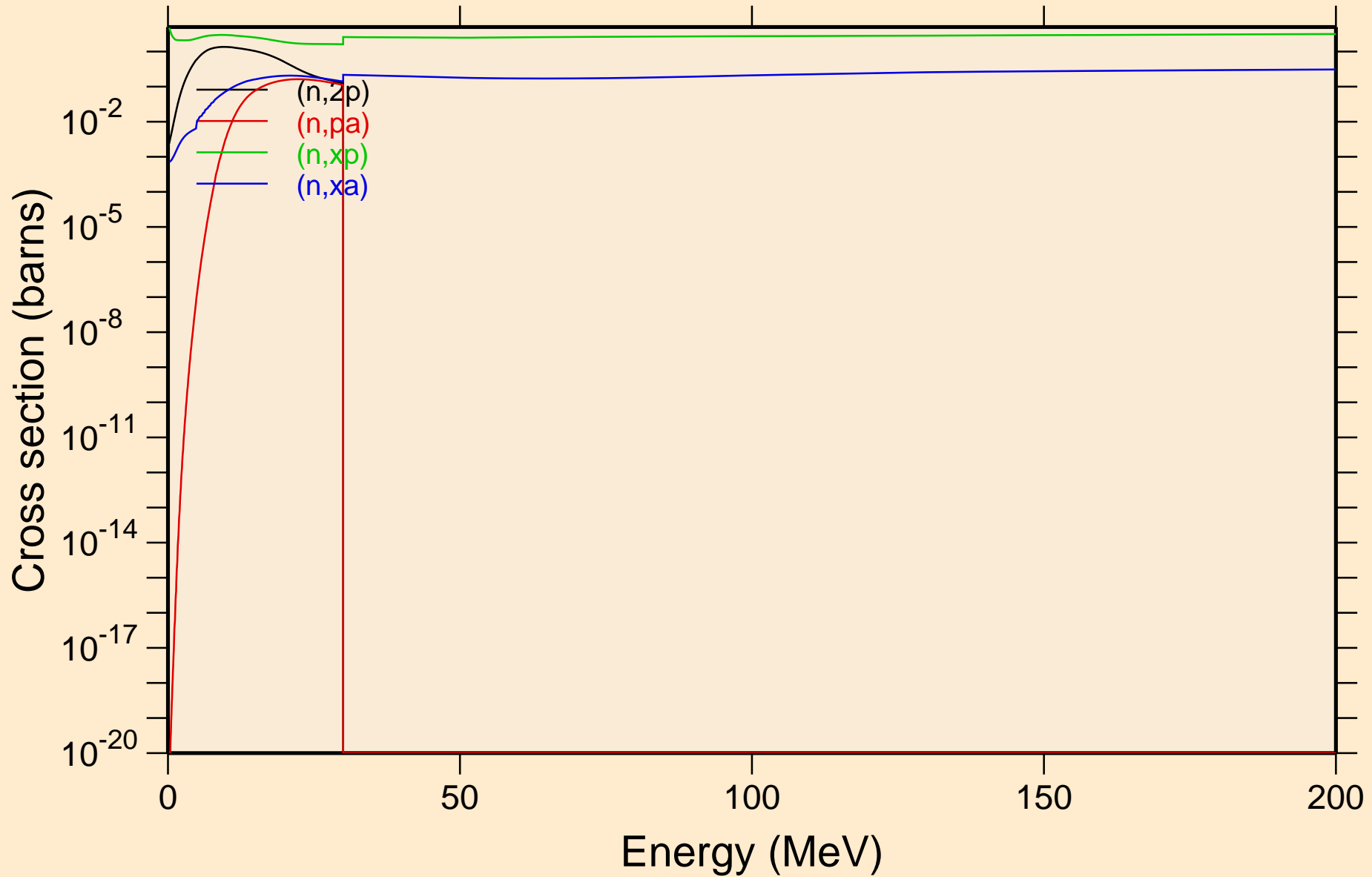
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

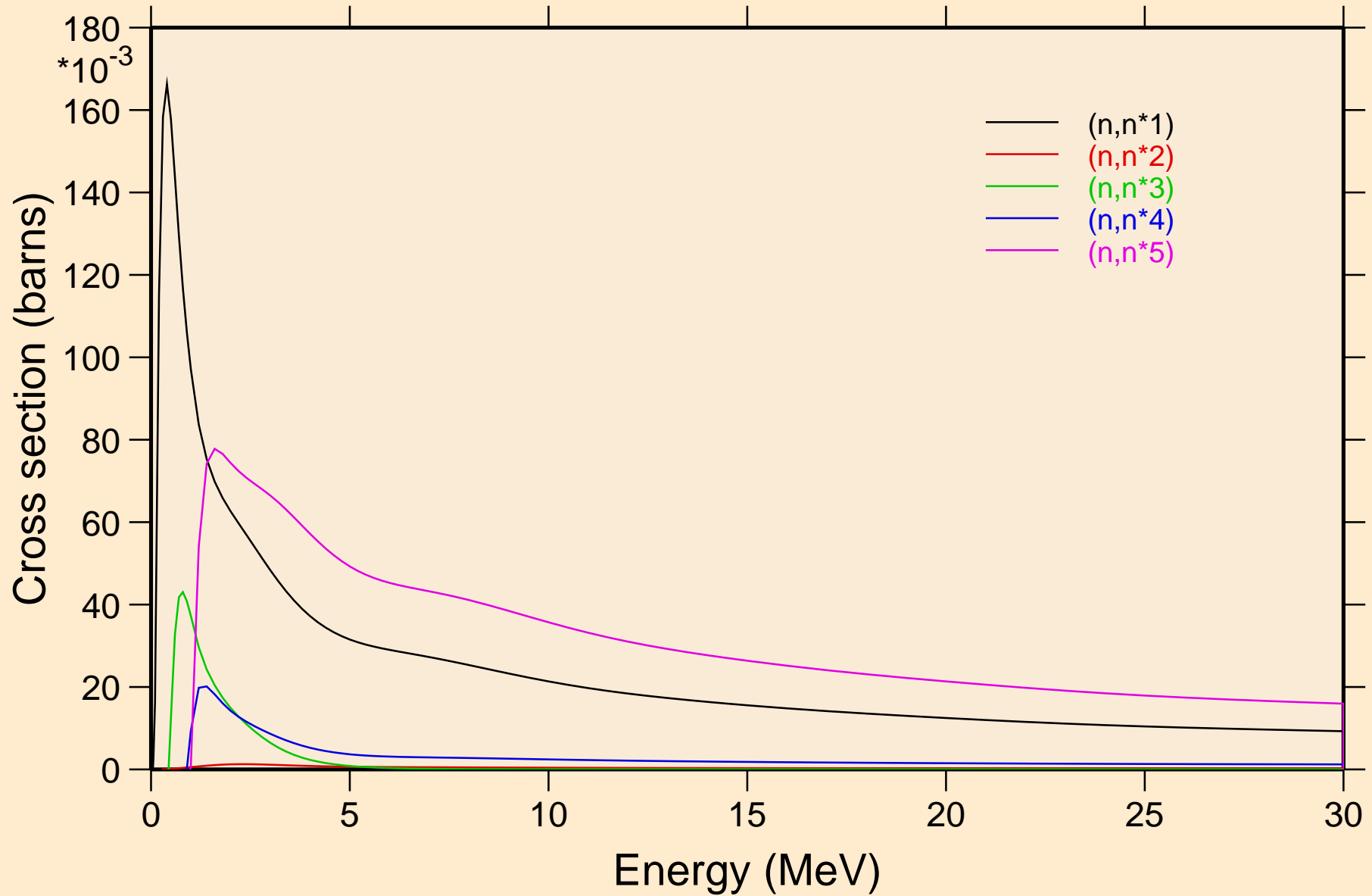


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

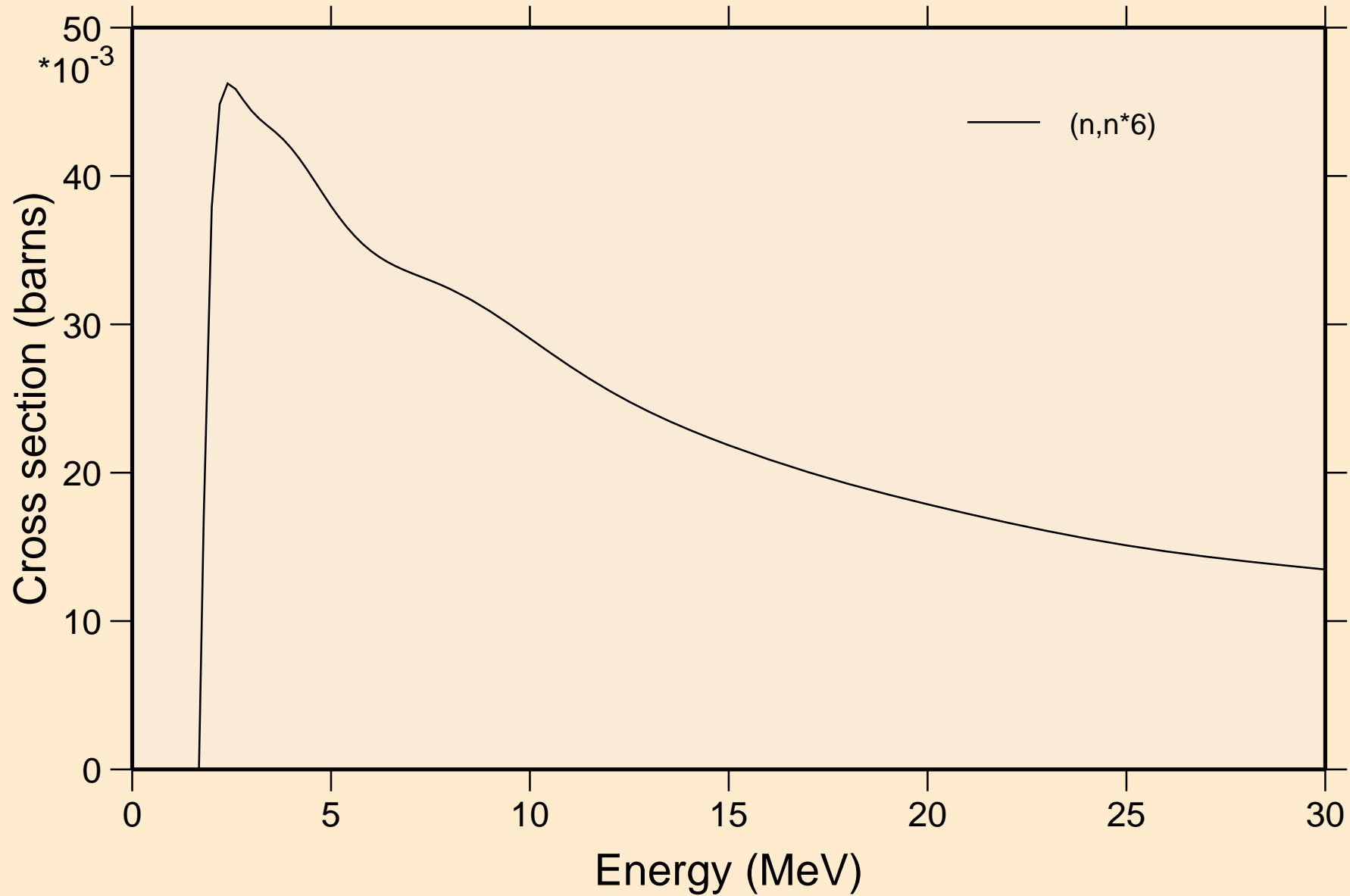




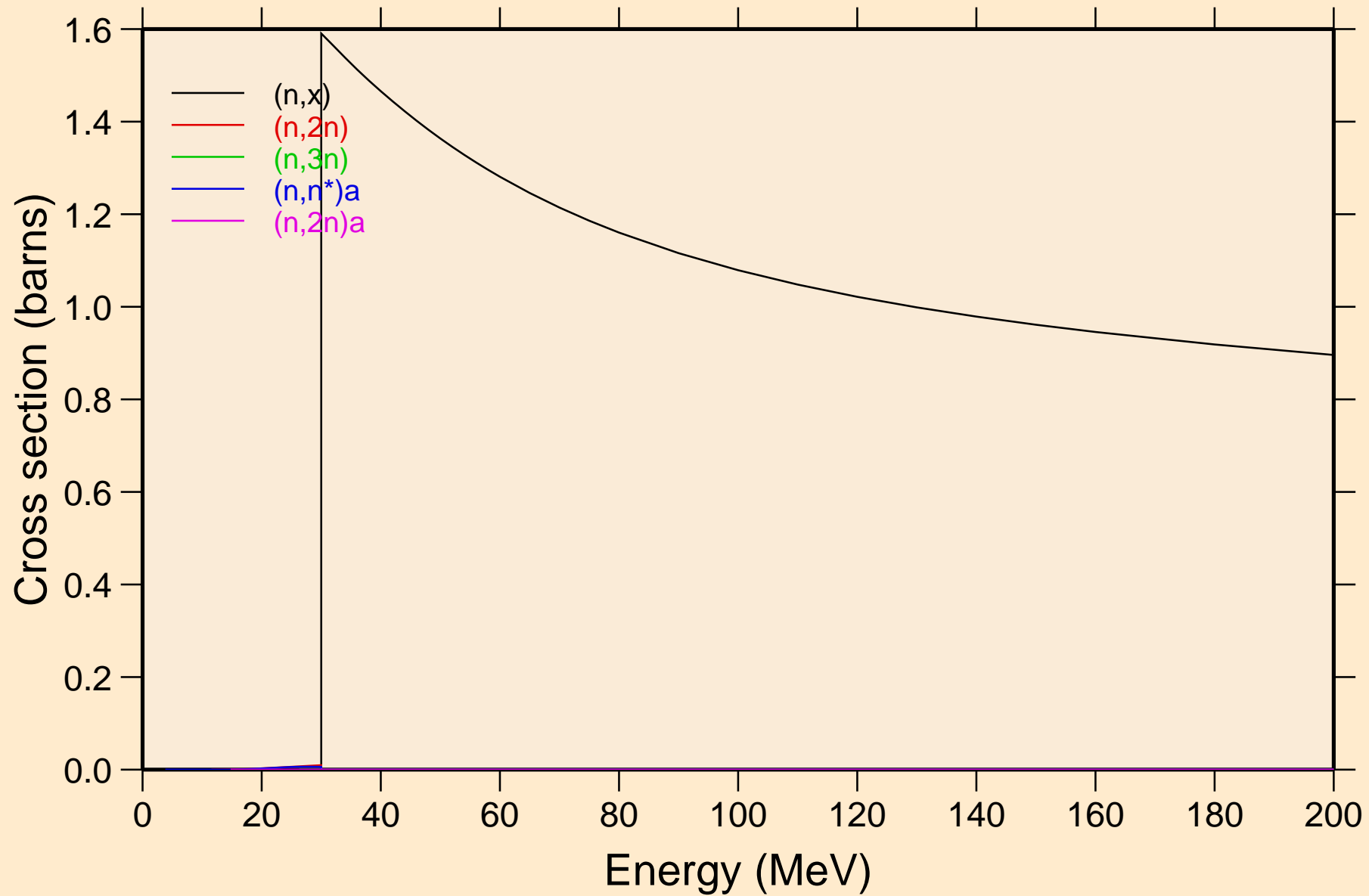
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



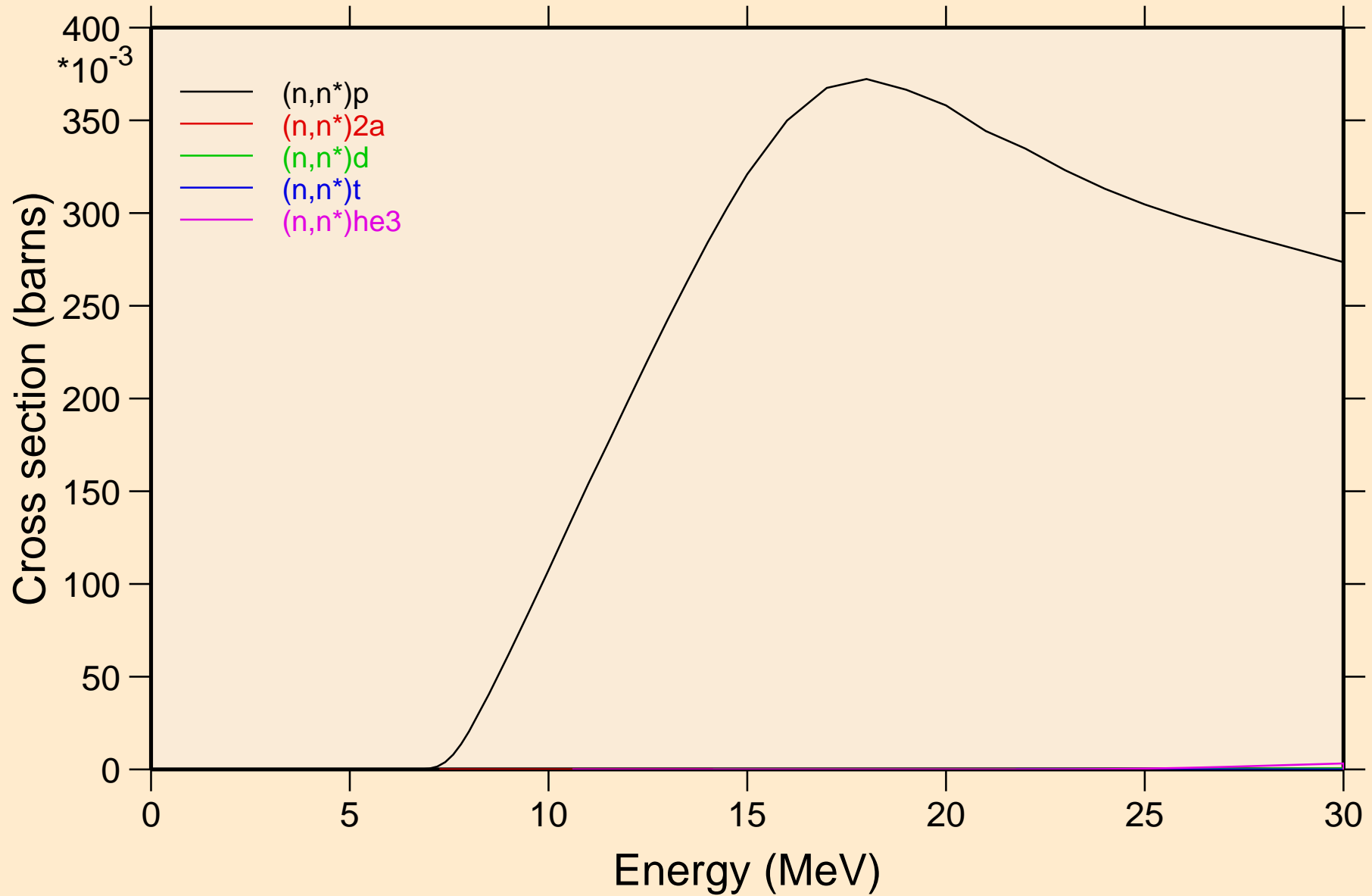
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Inelastic levels



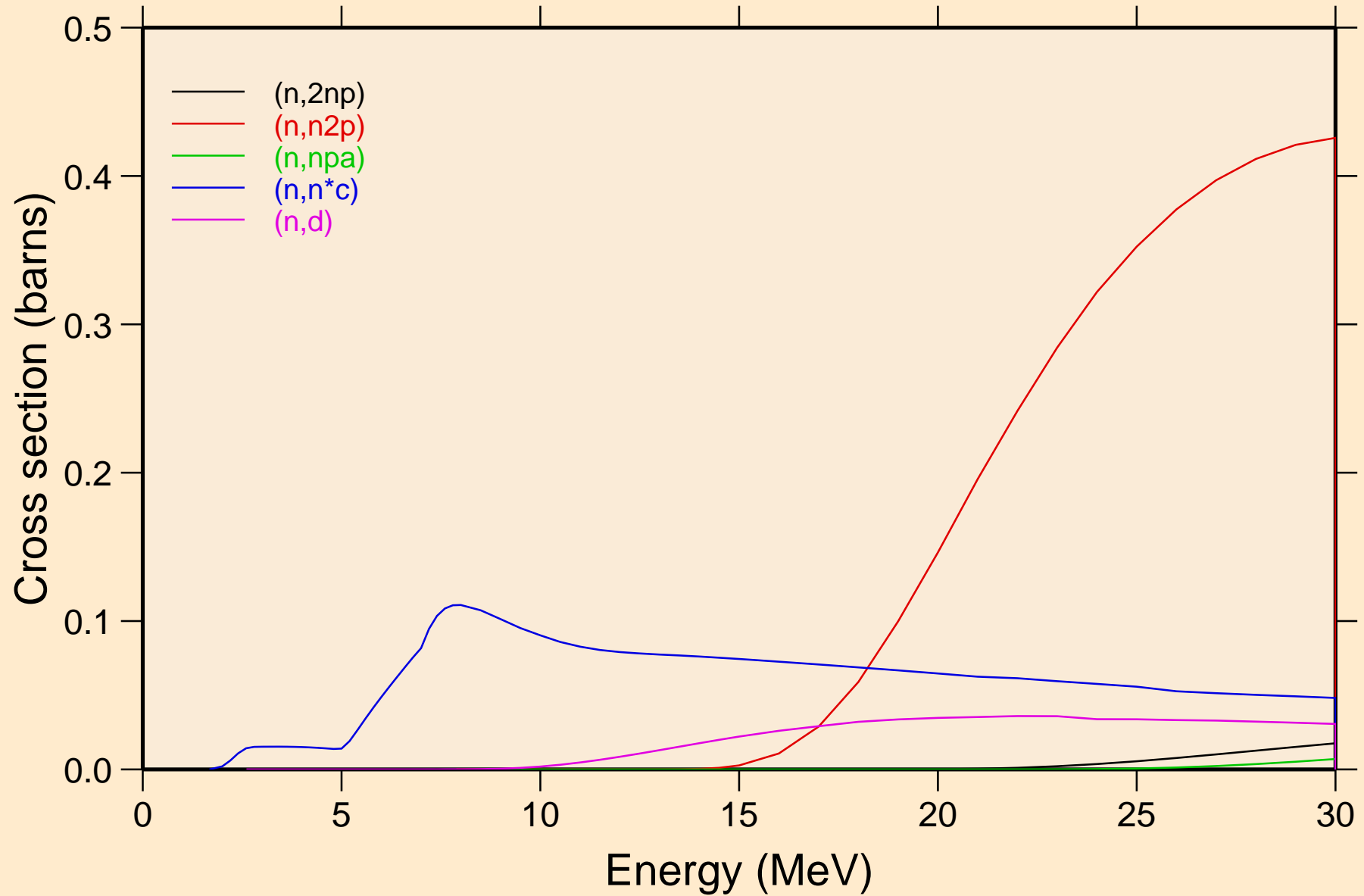
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Threshold reactions



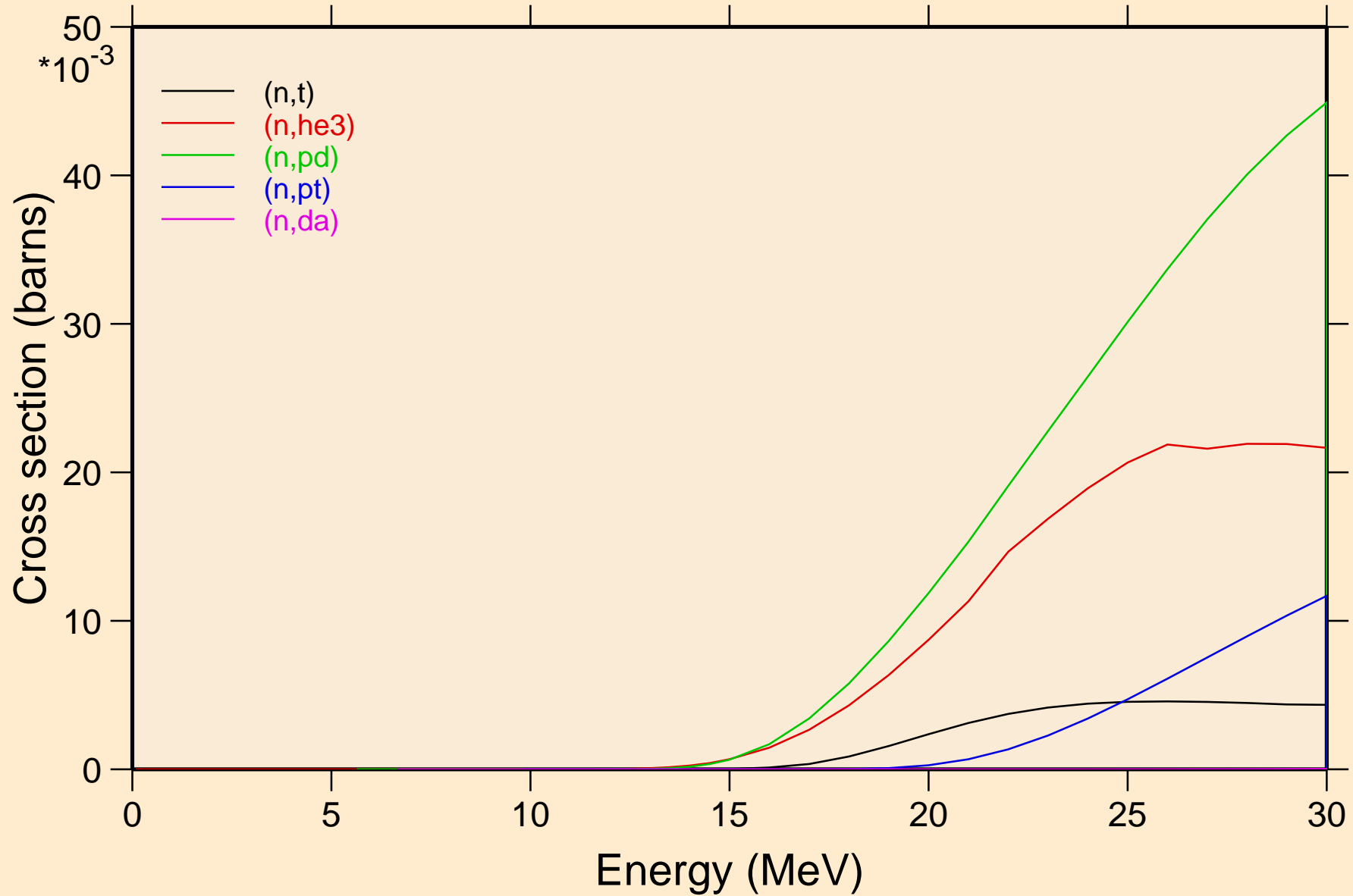
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Threshold reactions



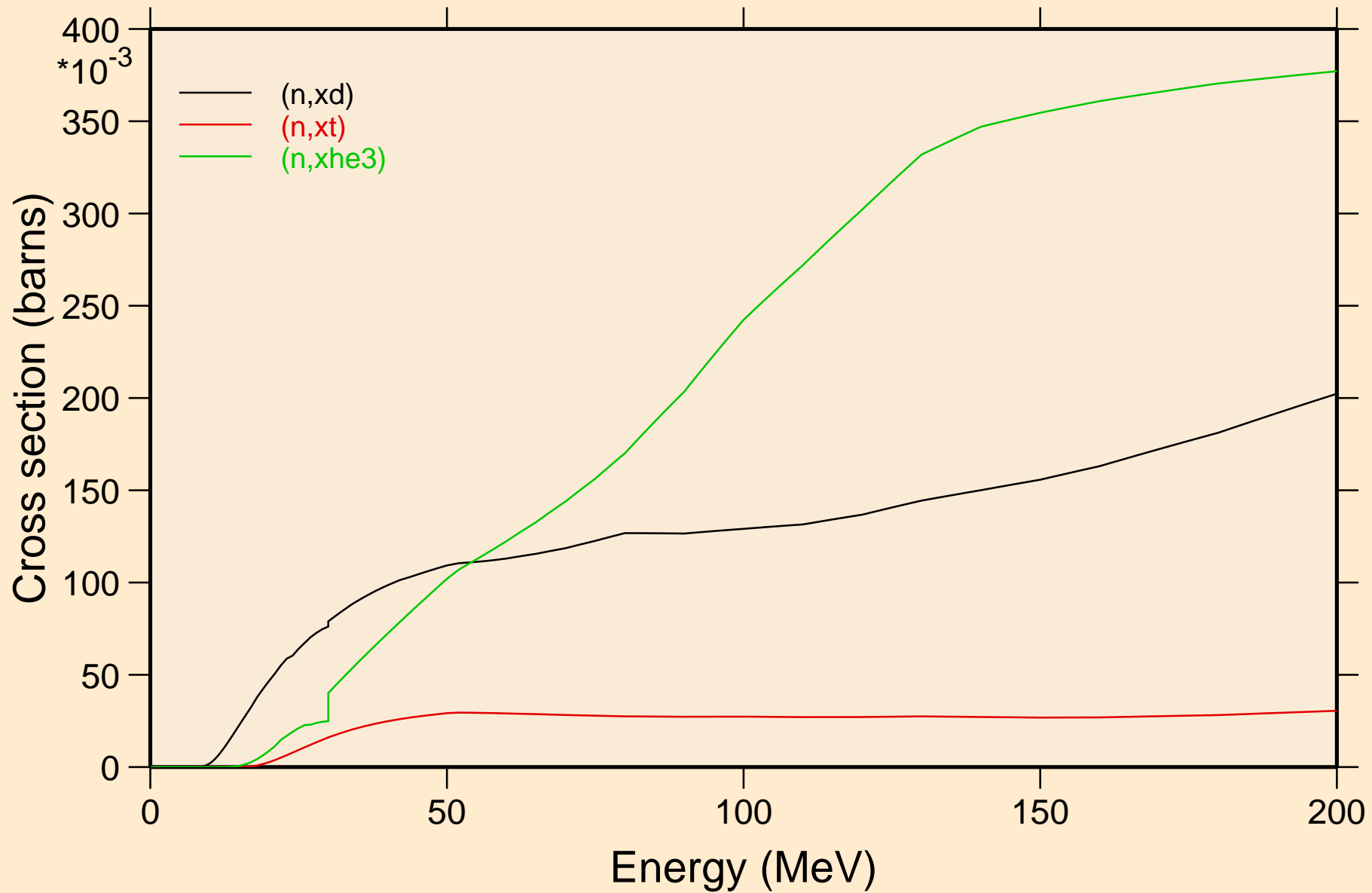
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Threshold reactions



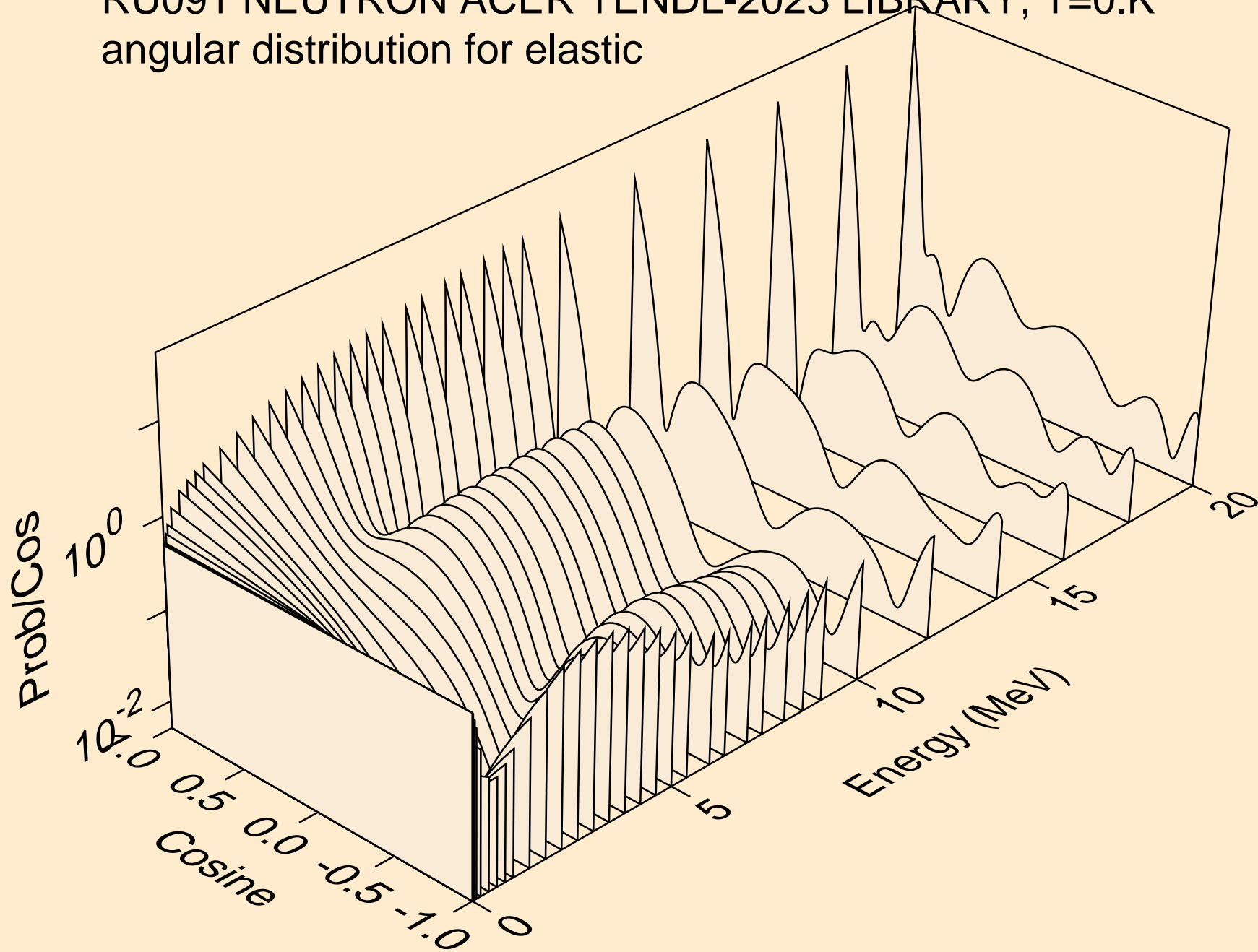
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

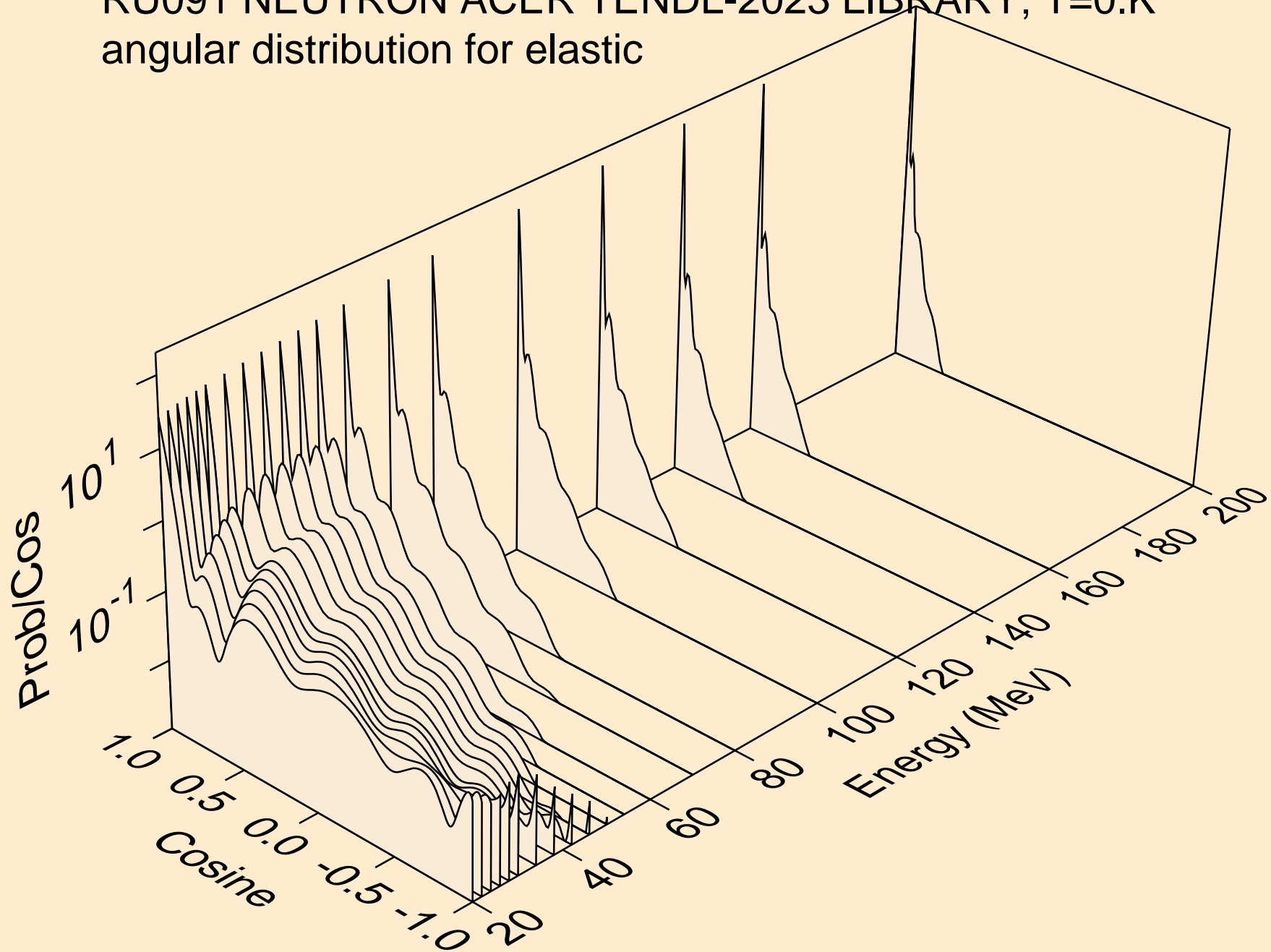


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angular distribution for elastic

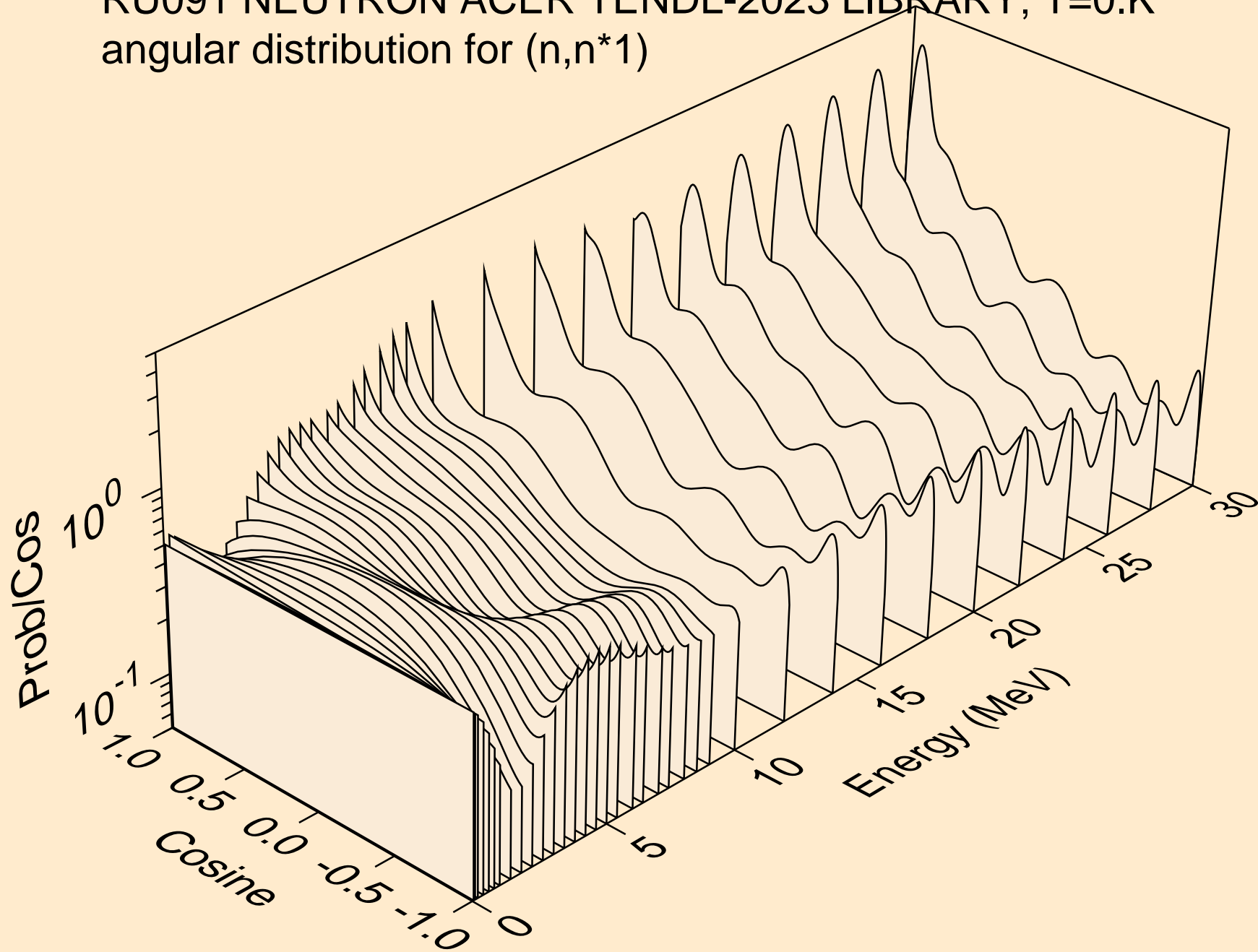




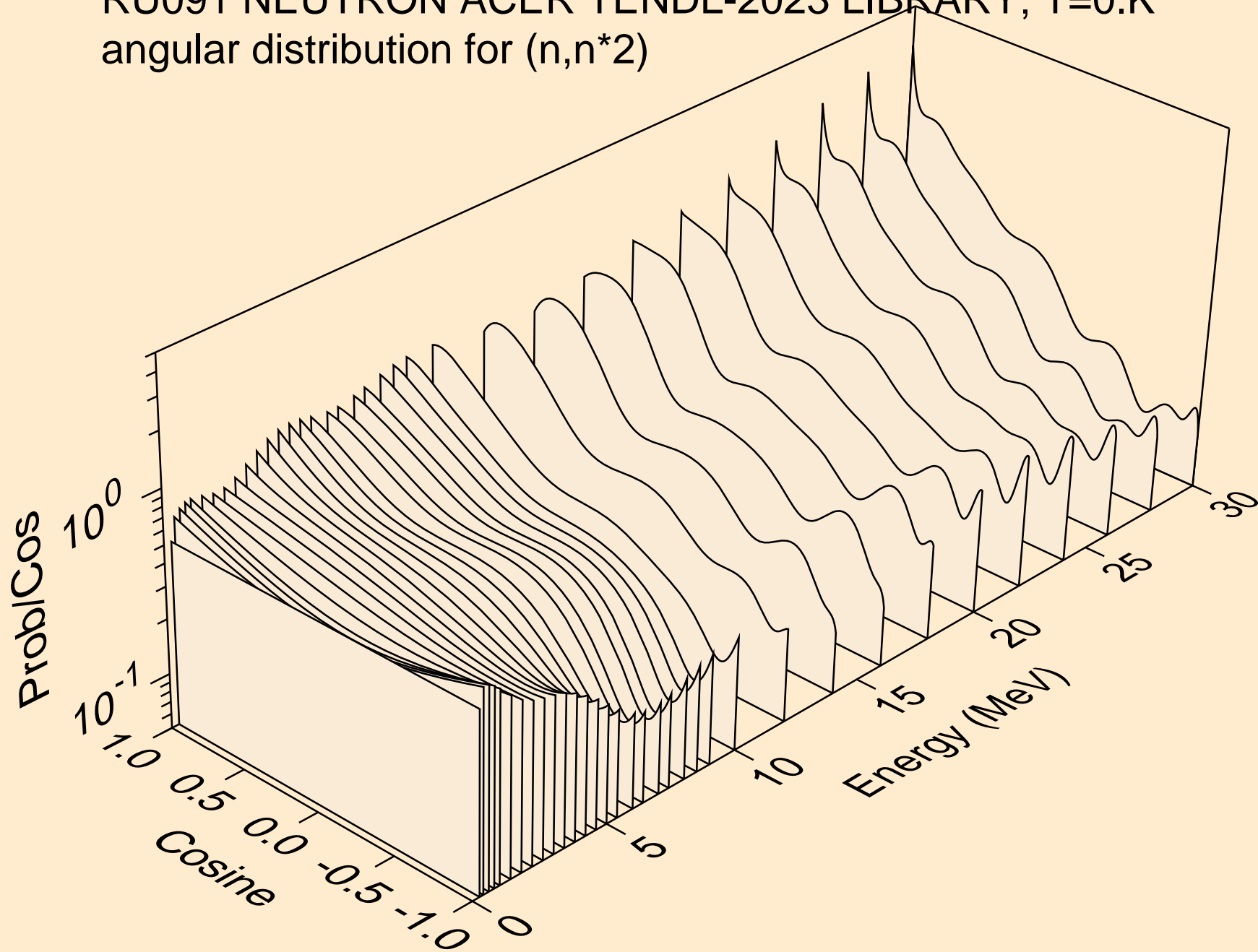
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angular distribution for elastic



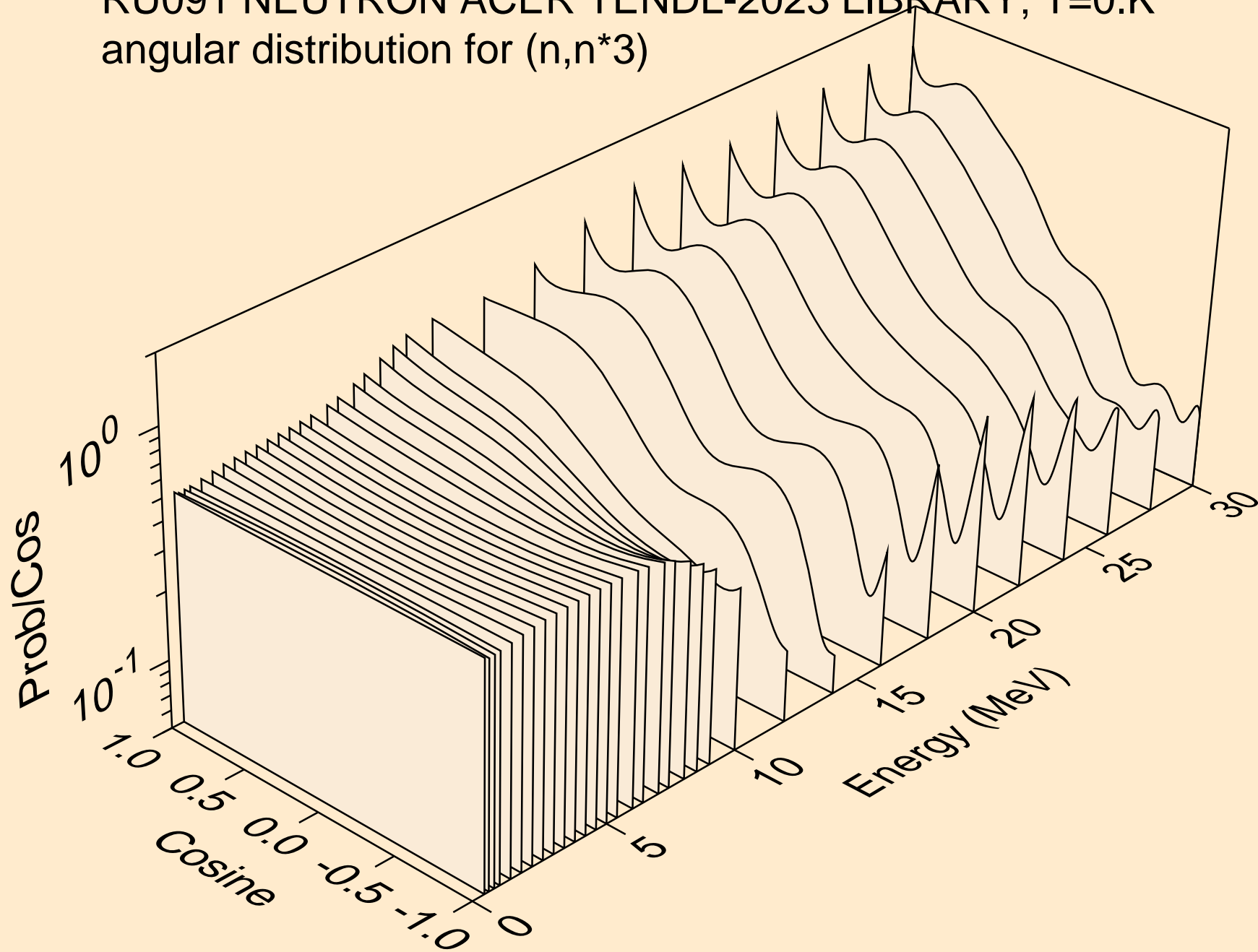
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angular distribution for (n,n\*1)



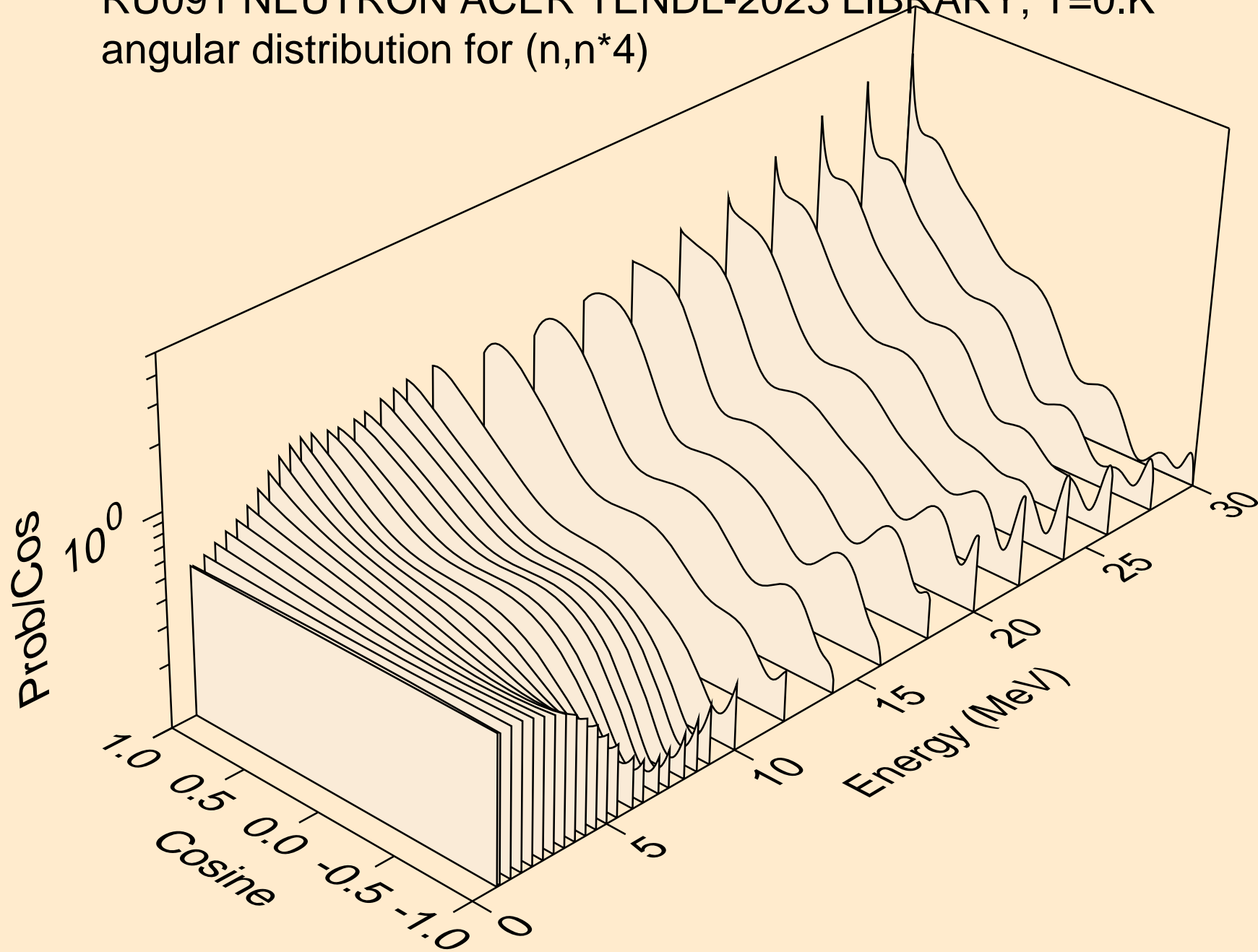
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angular distribution for (n,n\*2)



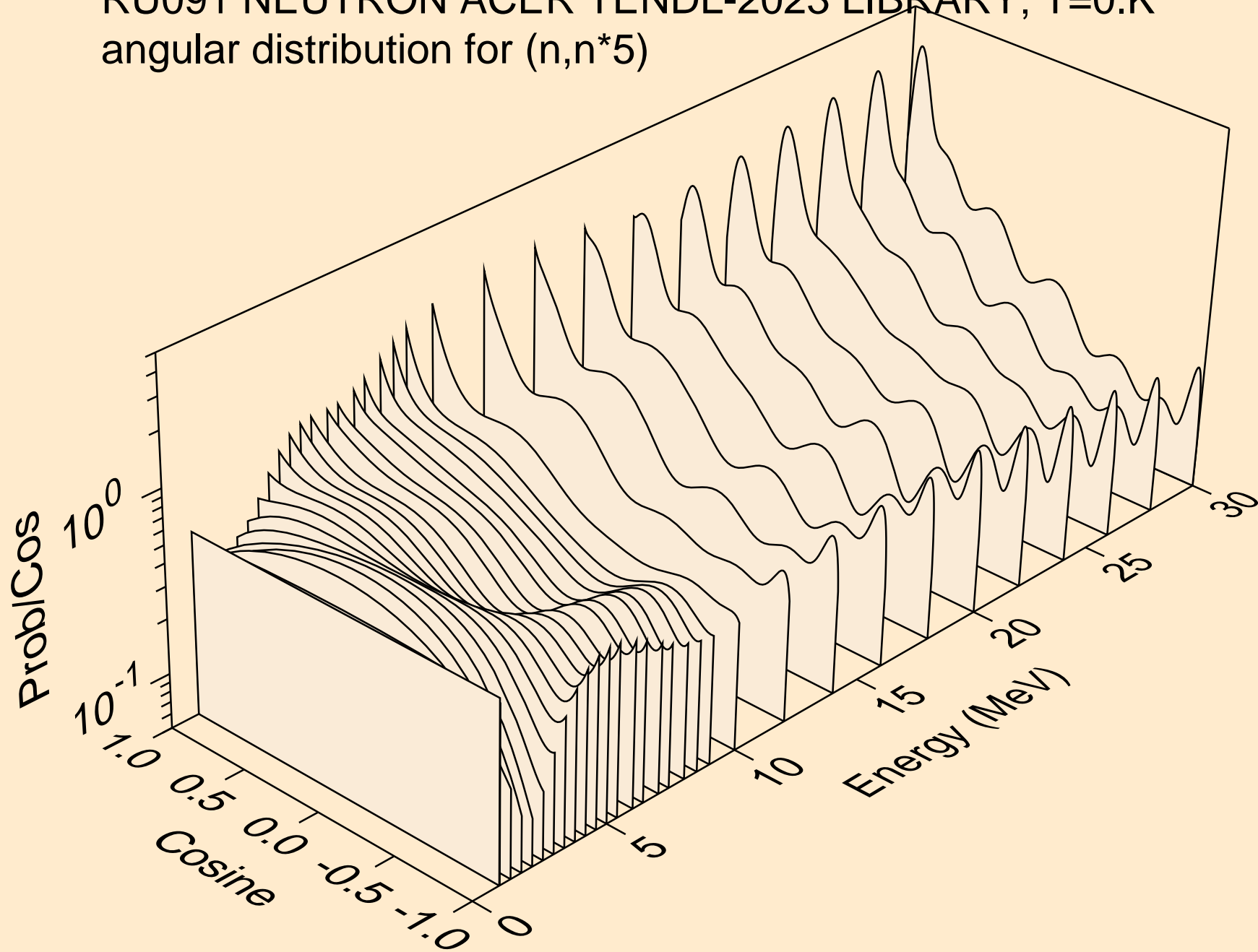
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angular distribution for (n,n\*3)



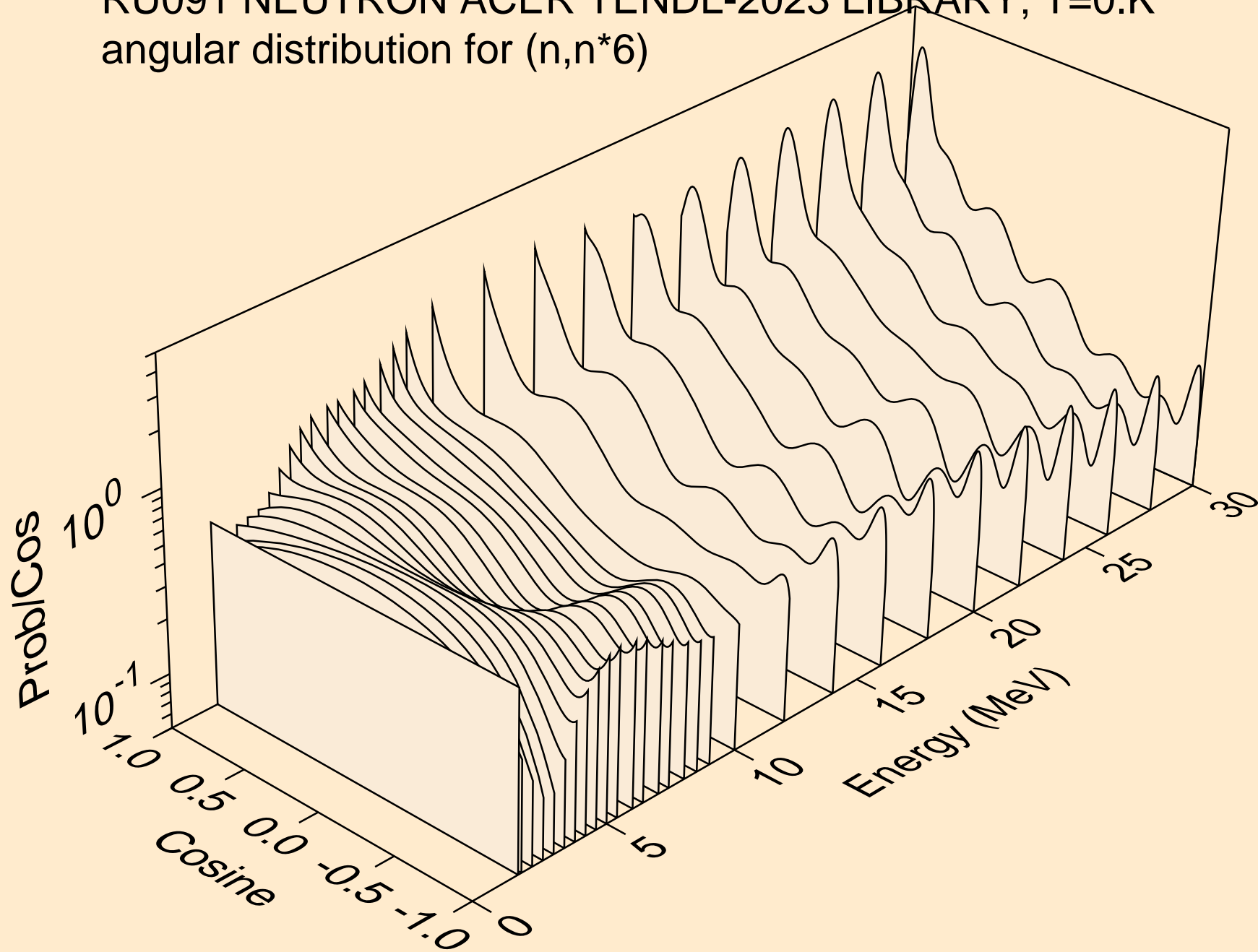
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angular distribution for (n,n\*4)



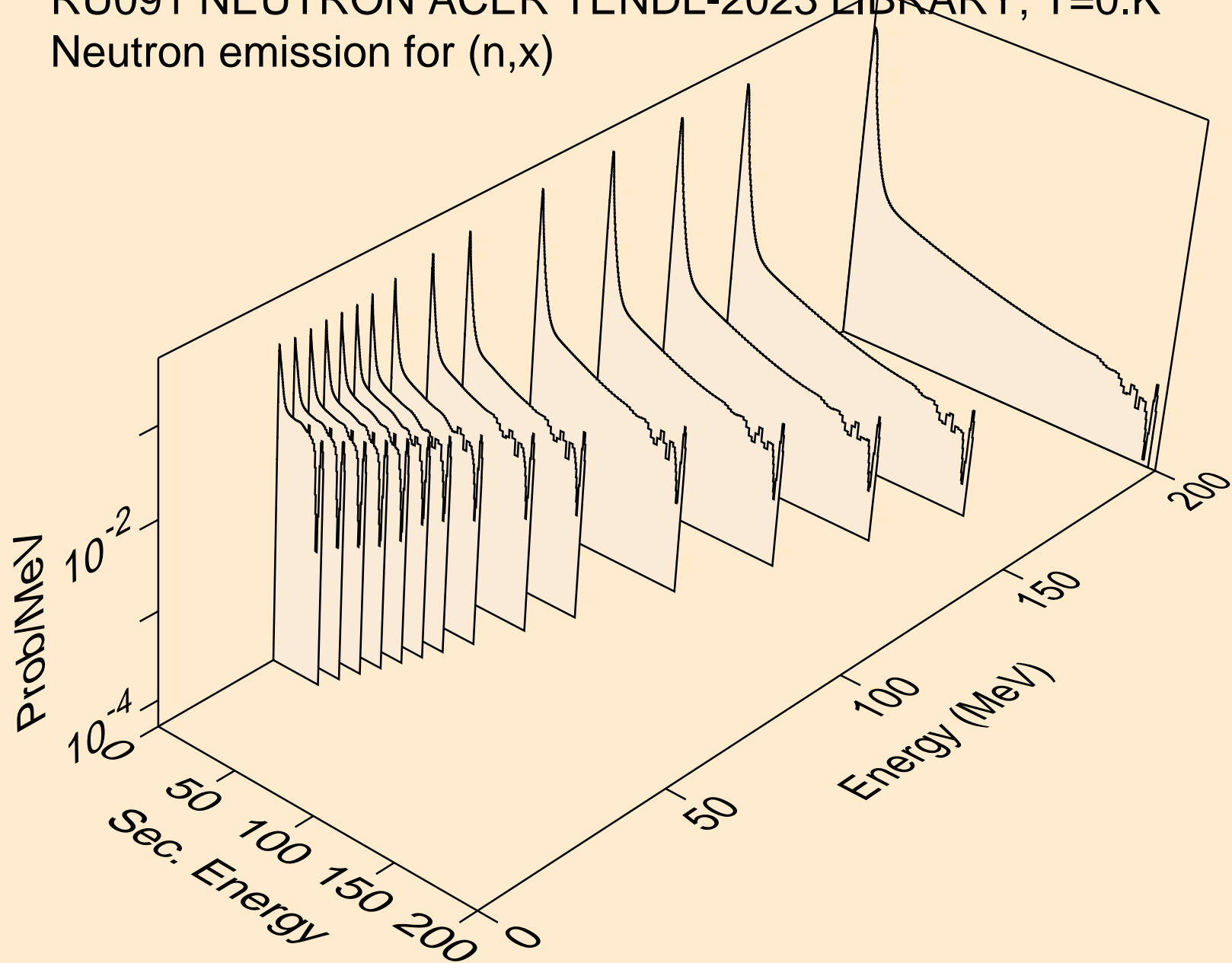
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

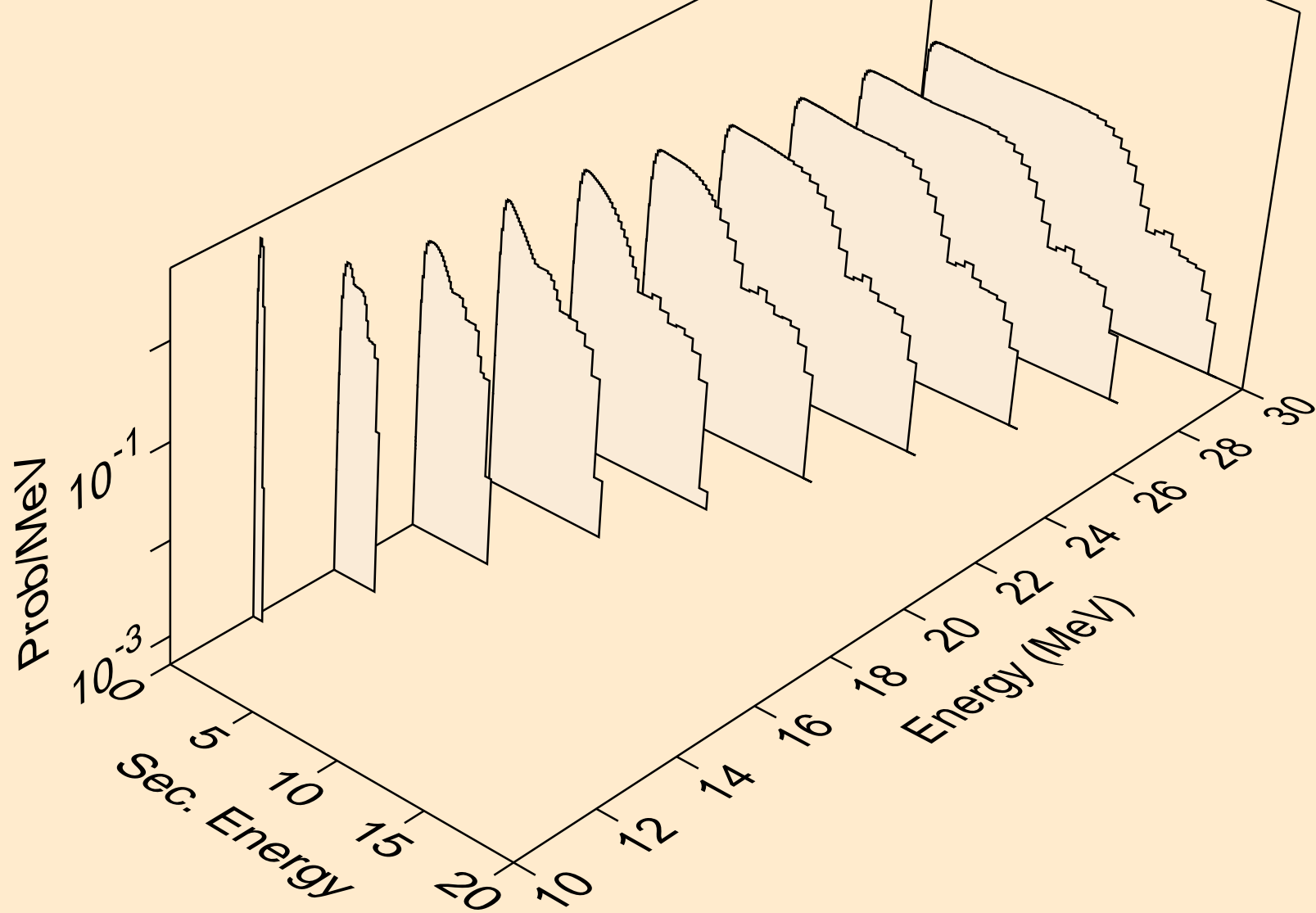


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

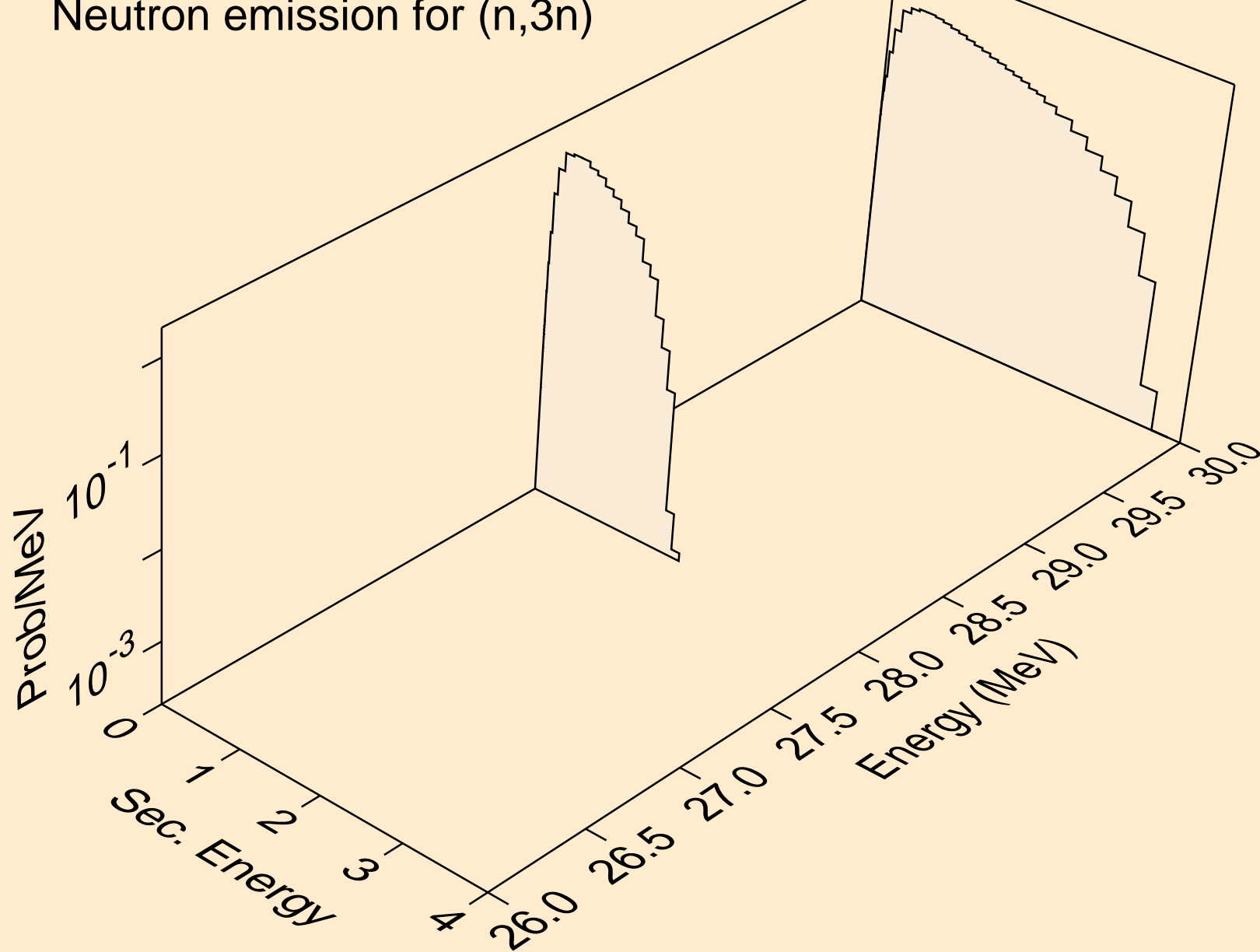




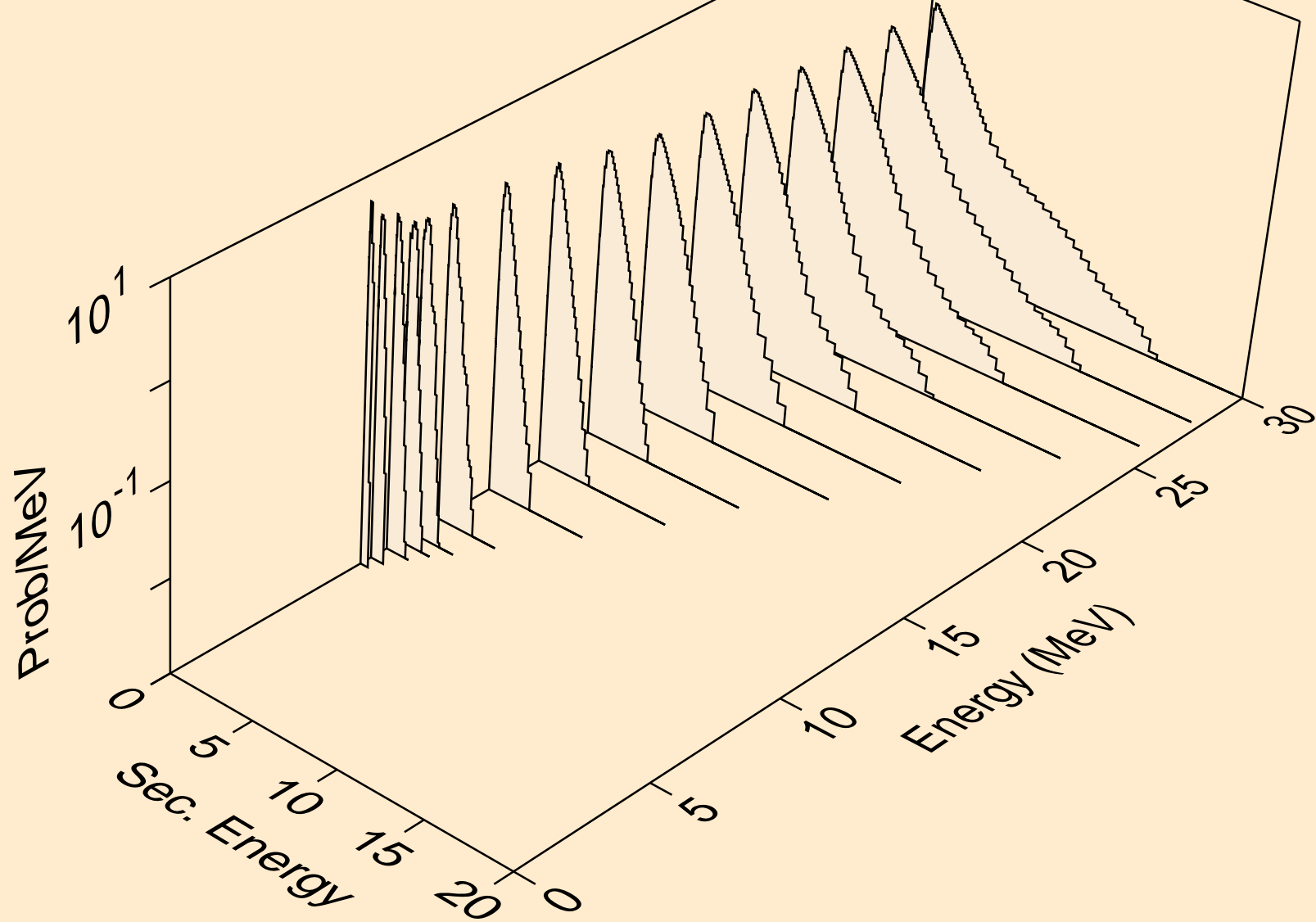
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Neutron emission for (n,2n)



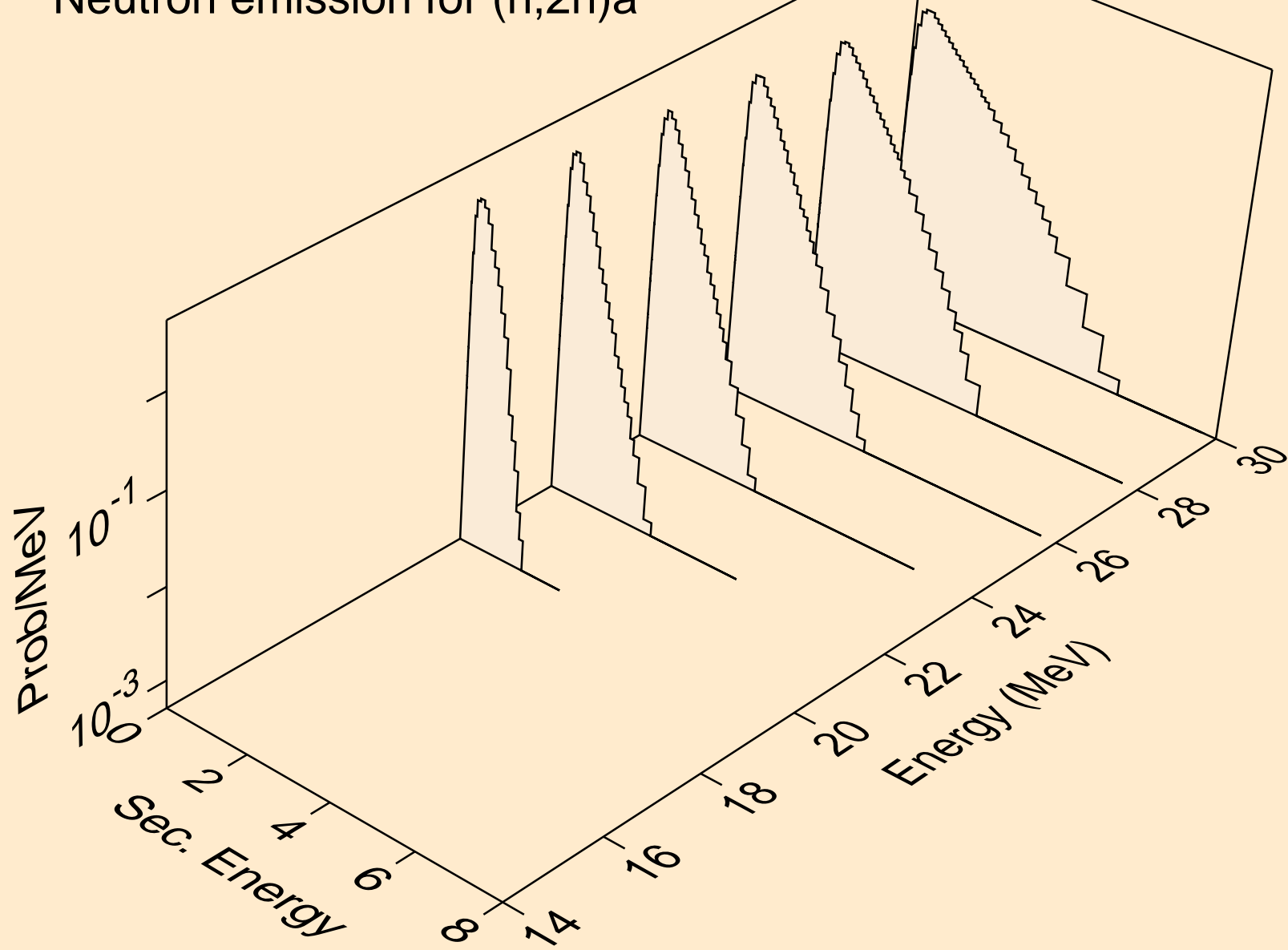
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Neutron emission for (n,3n)



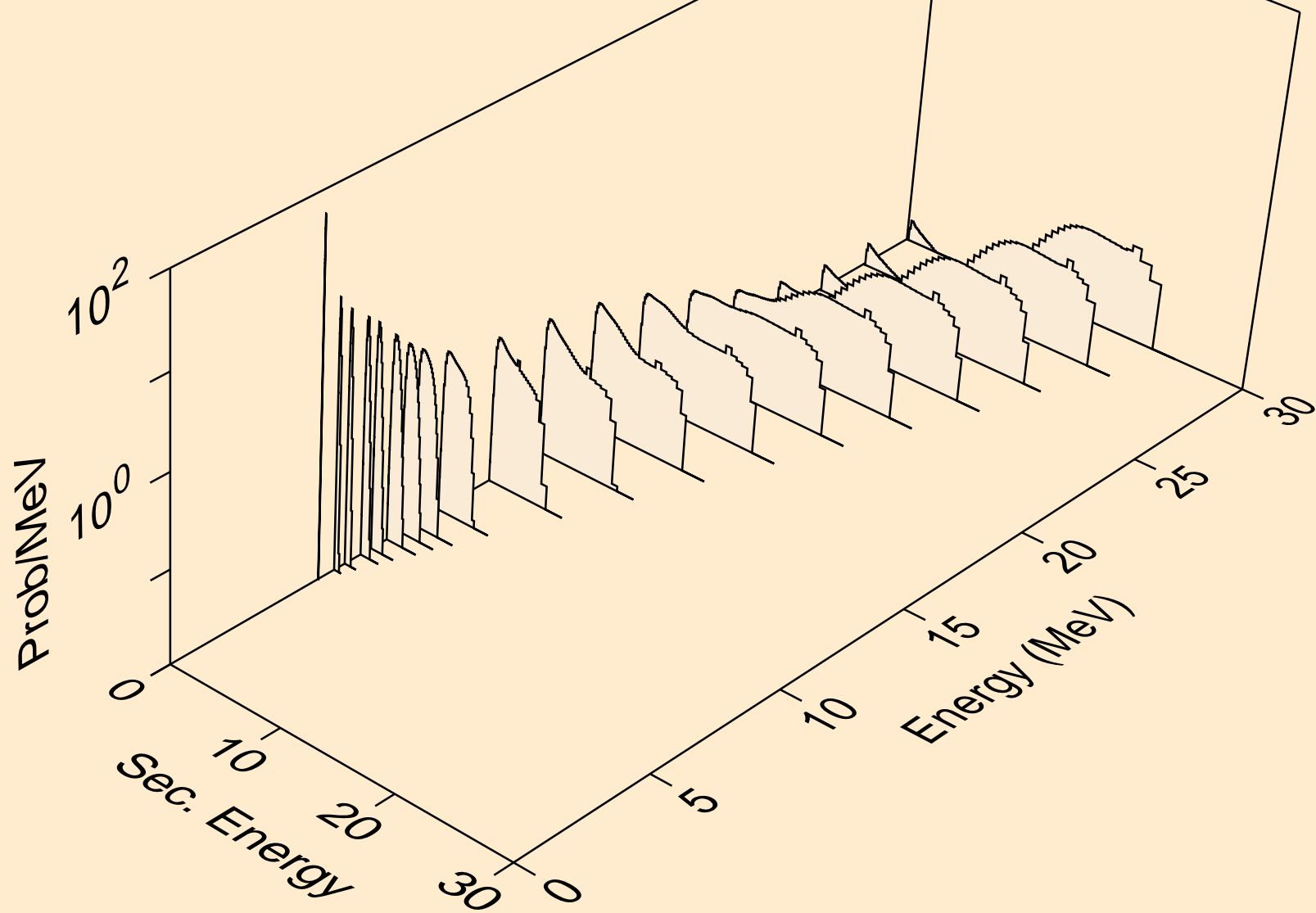
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Neutron emission for (n,n\*)a



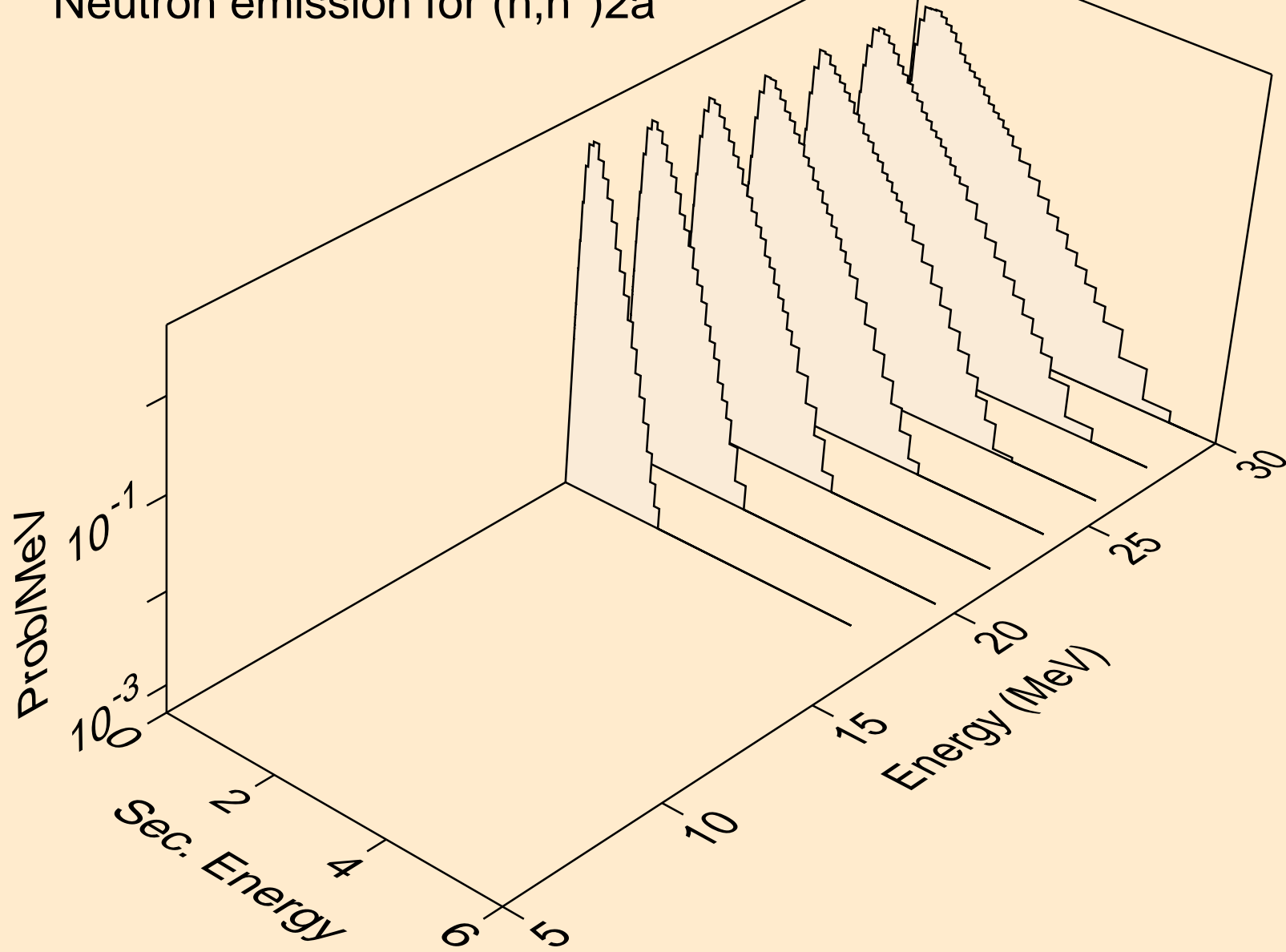
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Neutron emission for (n,2n)<sub>a</sub>



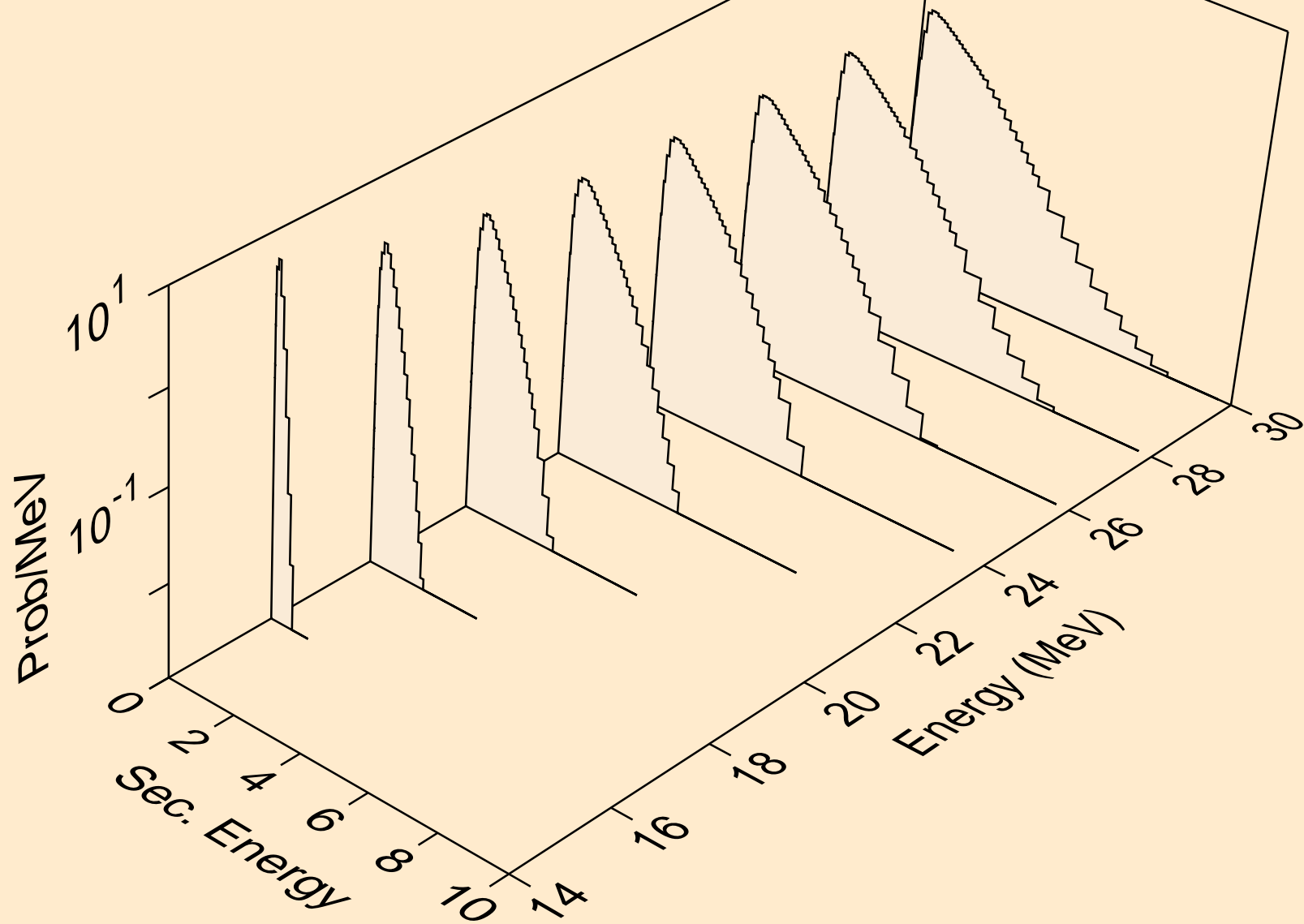
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Neutron emission for (n,n\*)p



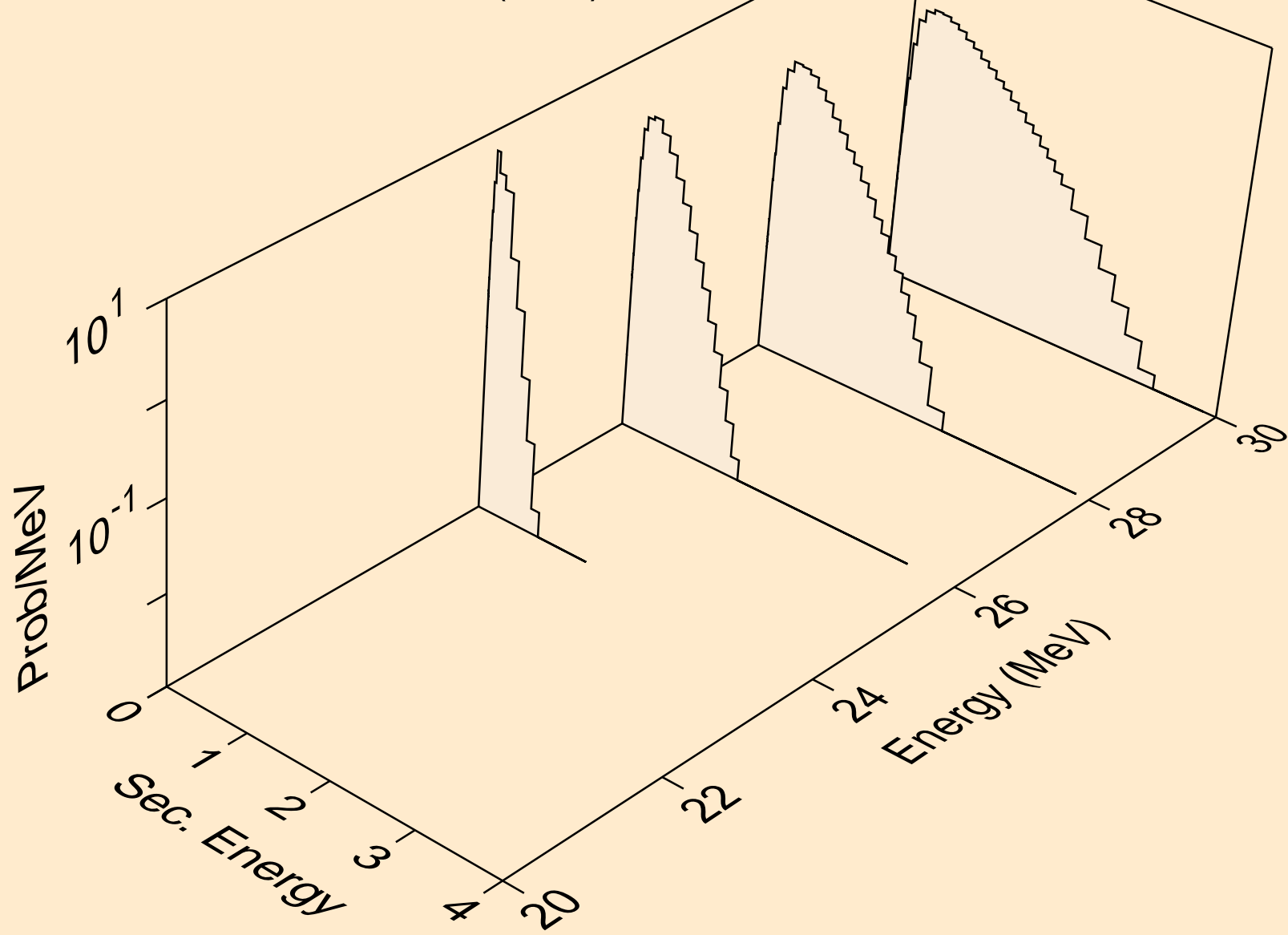
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

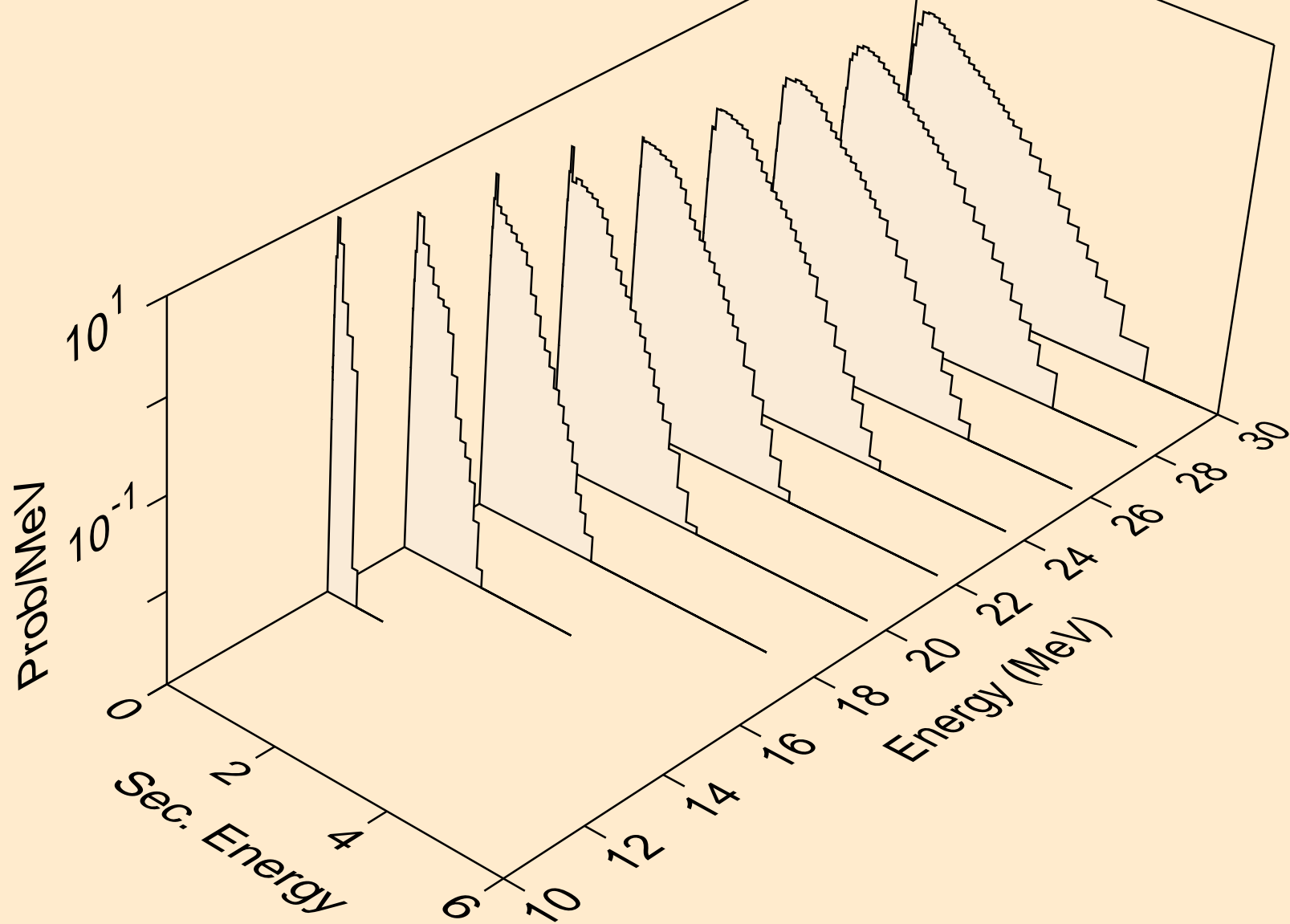


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

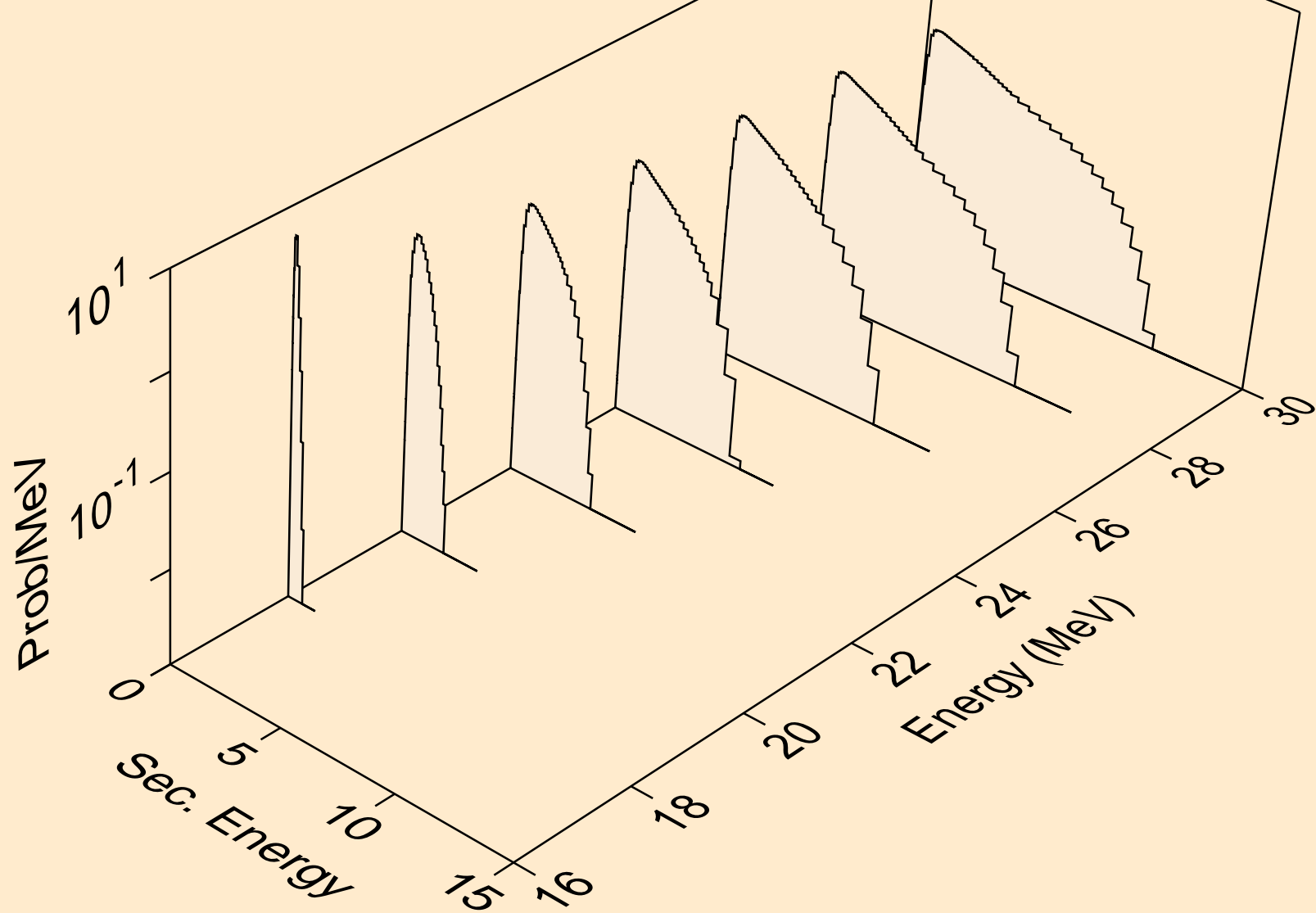




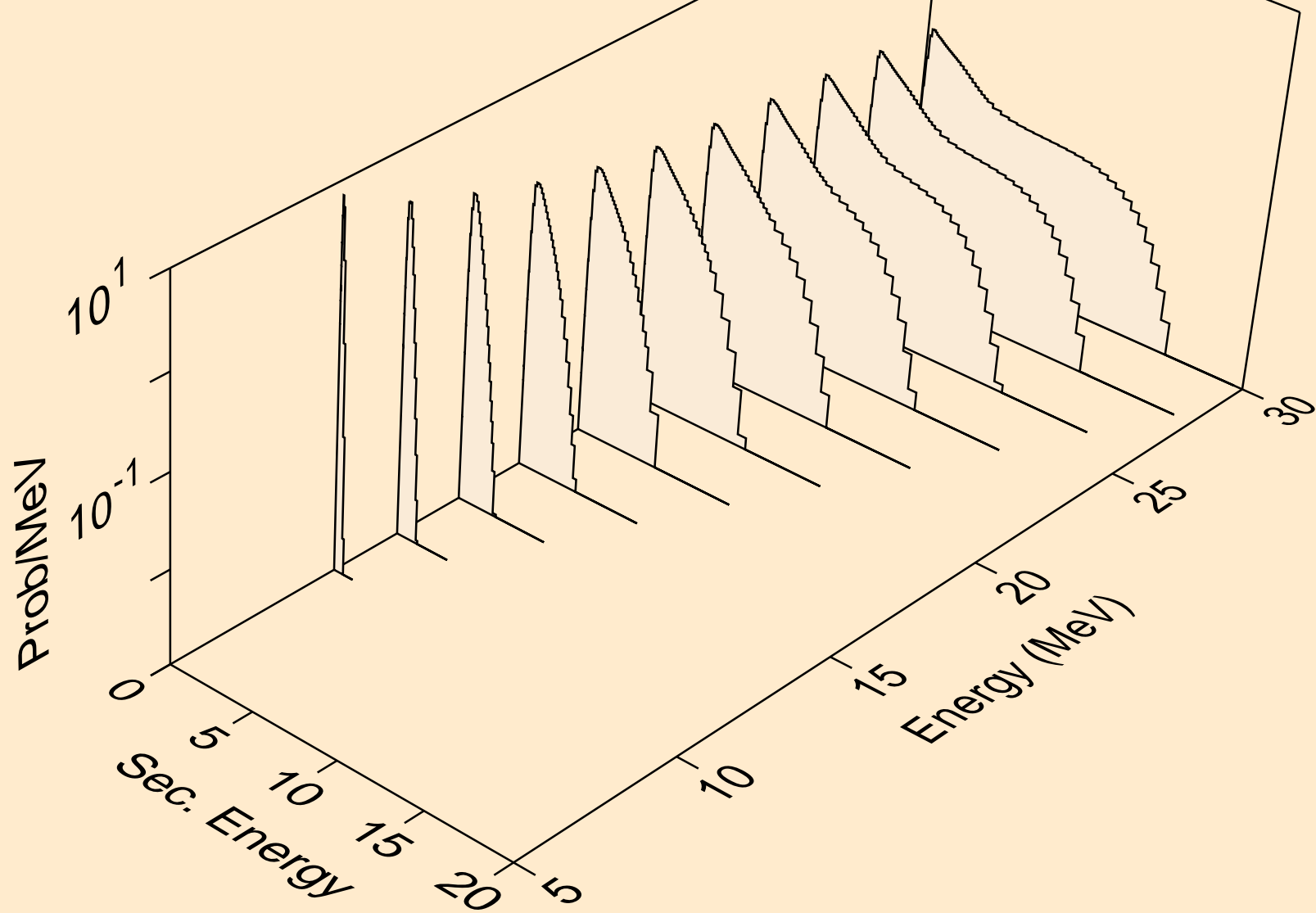
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



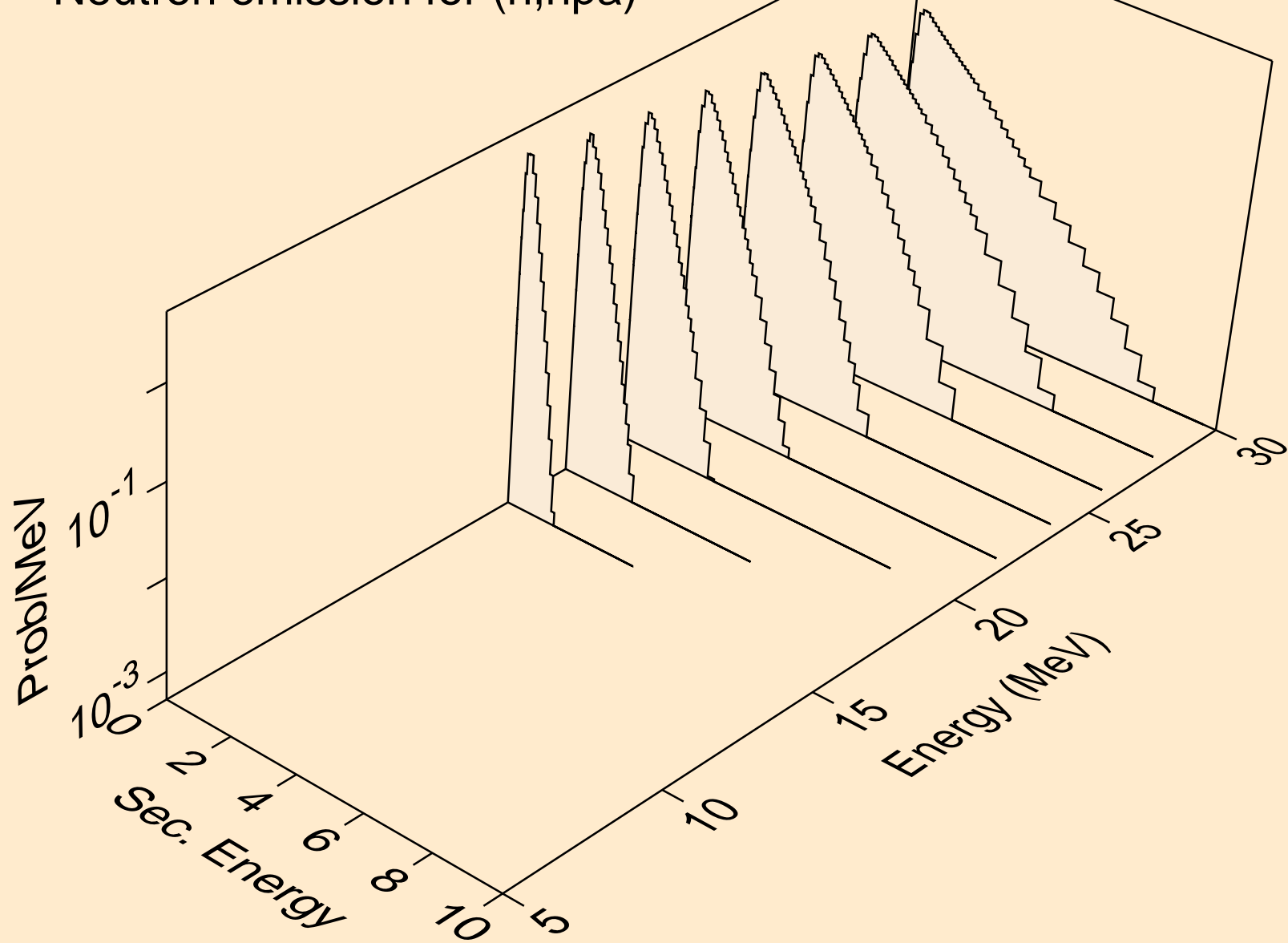
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Neutron emission for (n,2np)



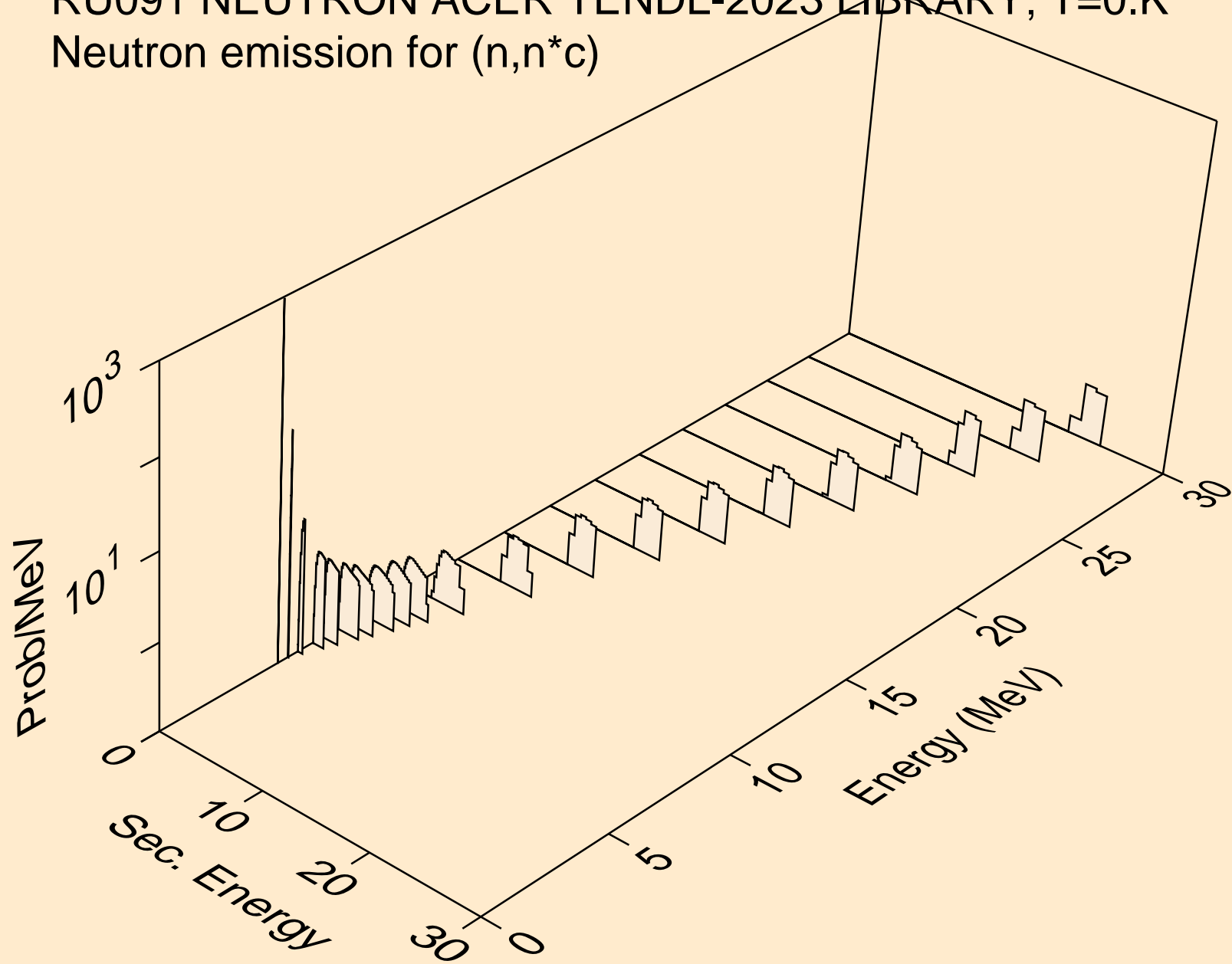
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Neutron emission for (n,n2p)



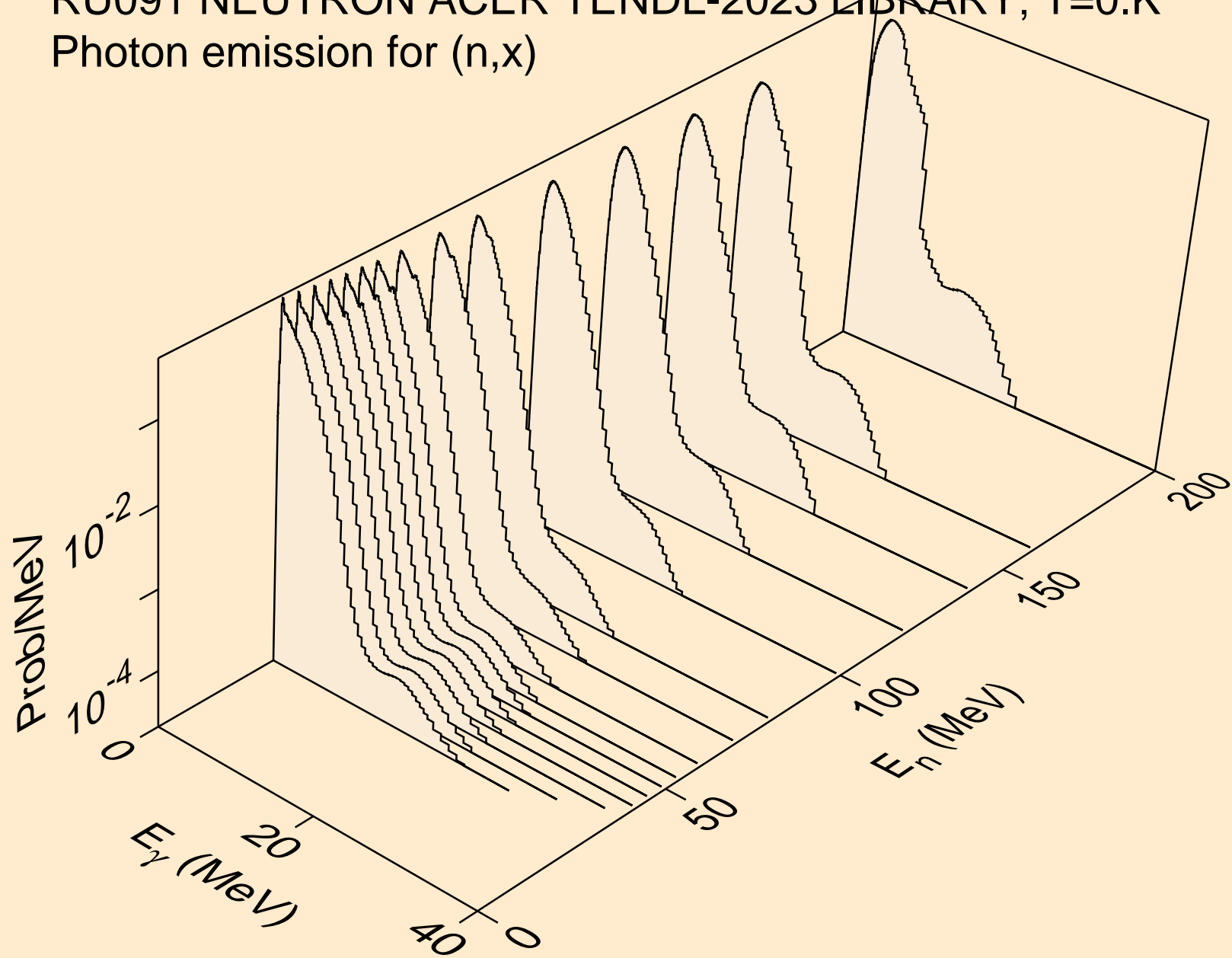
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Neutron emission for (n,npa)



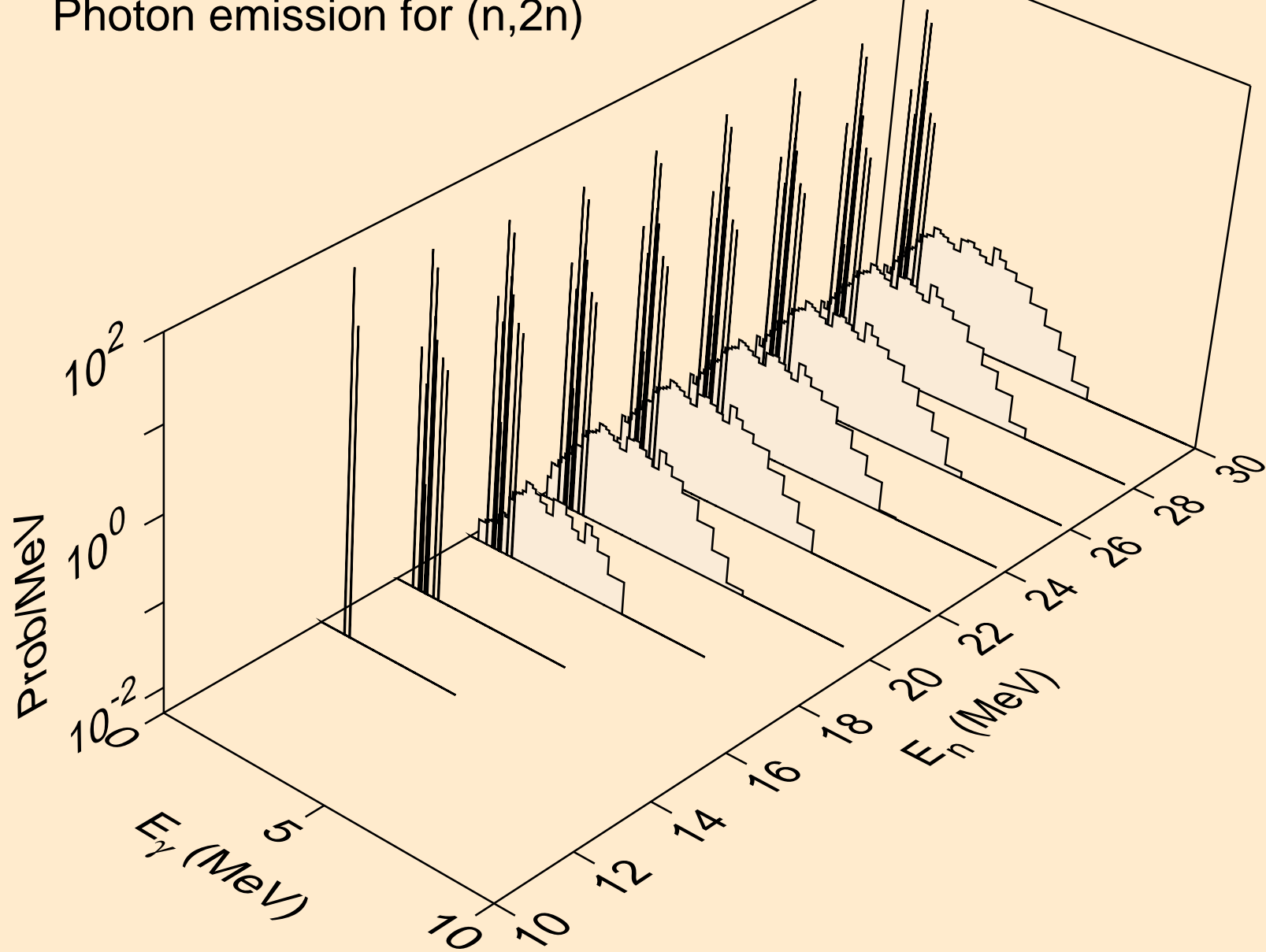
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Neutron emission for (n,n\*c)



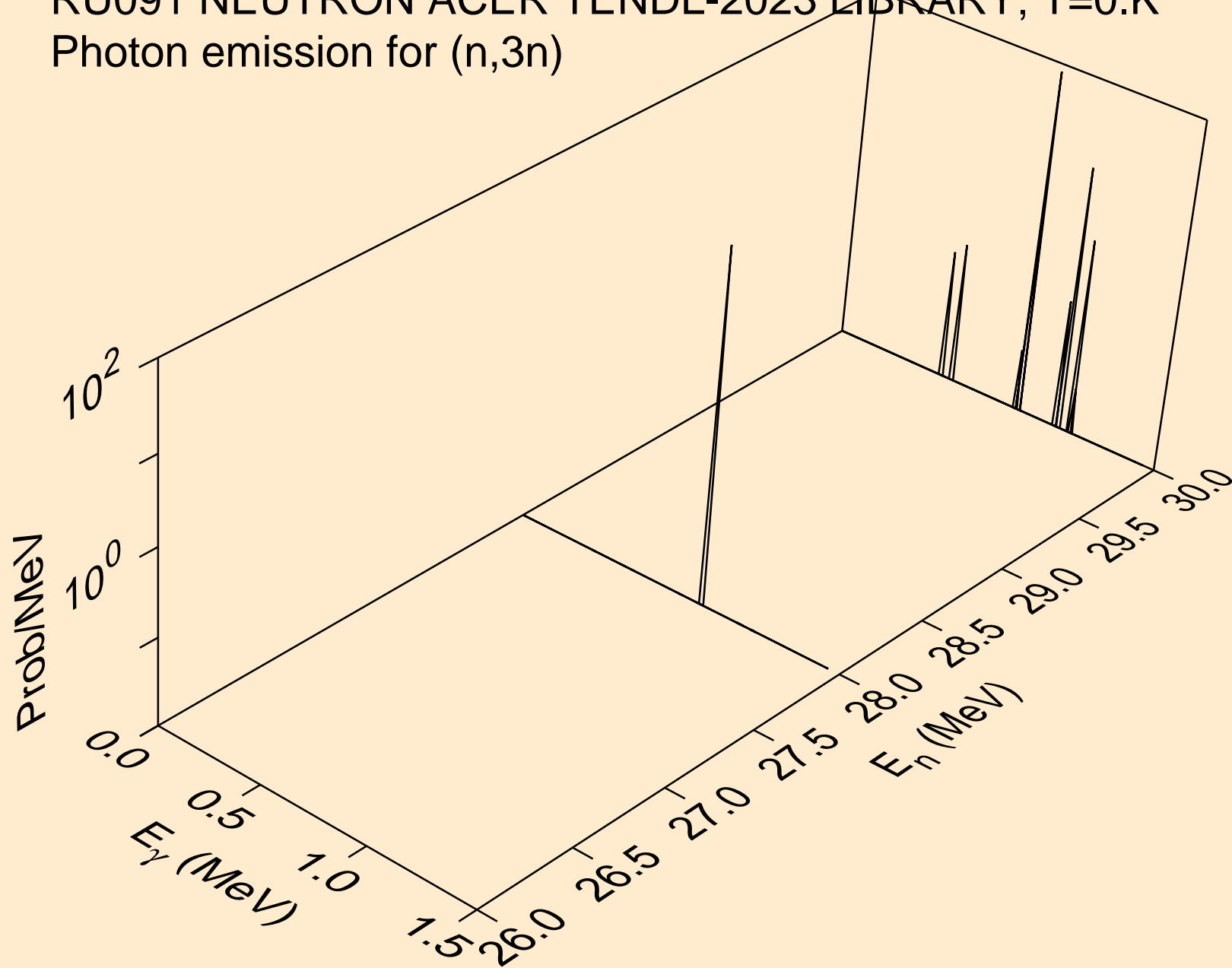
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

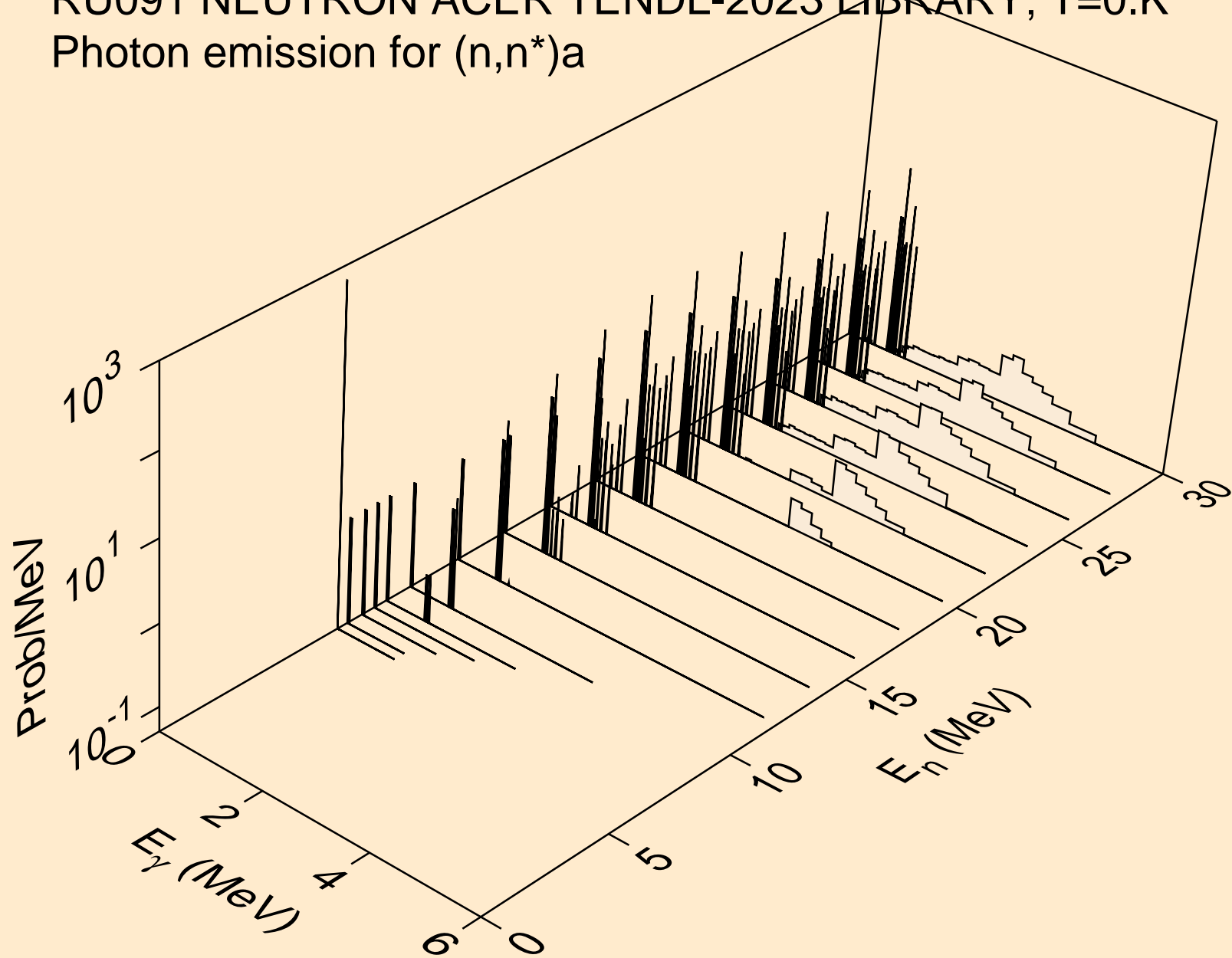


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Photon emission for (n,3n)

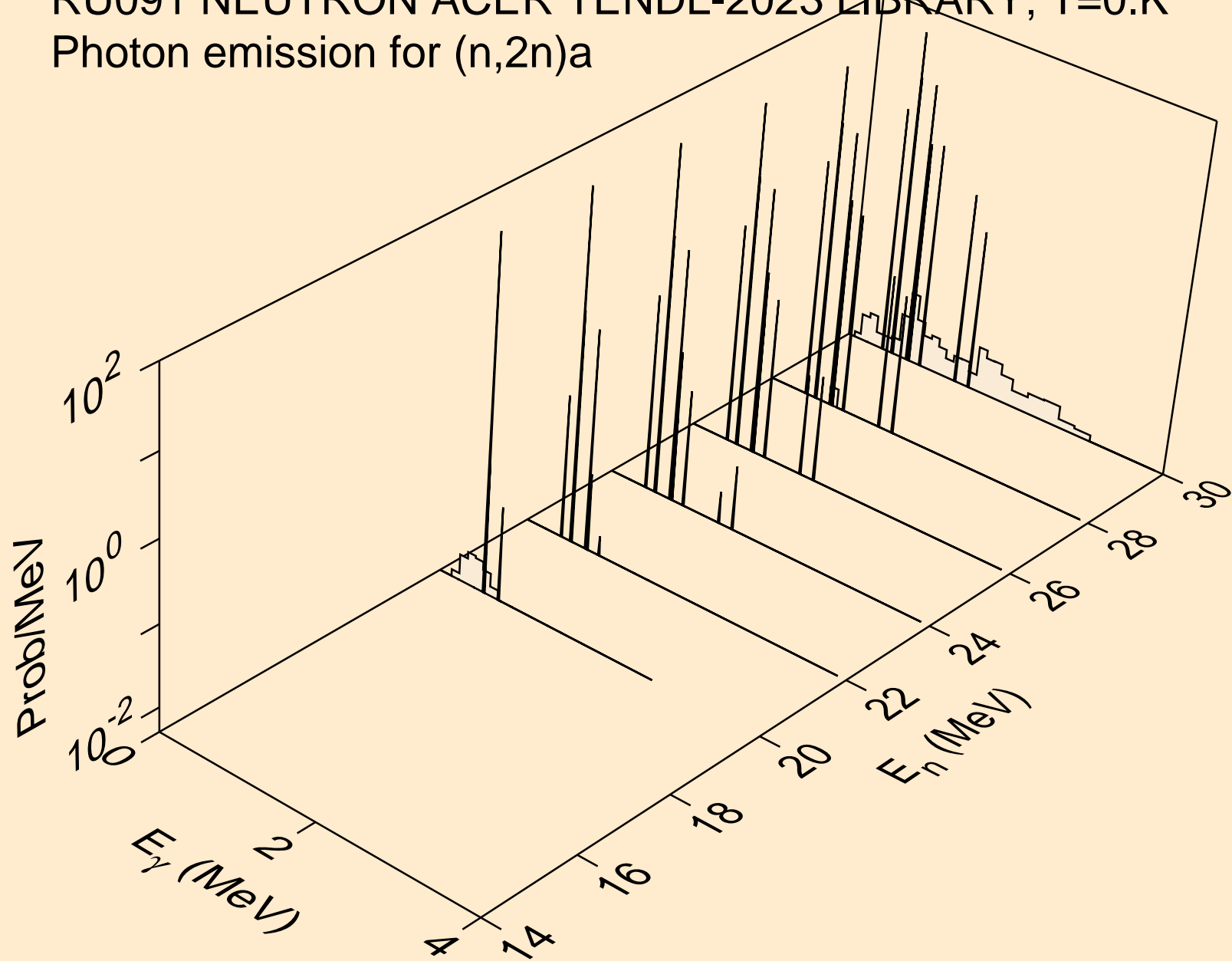




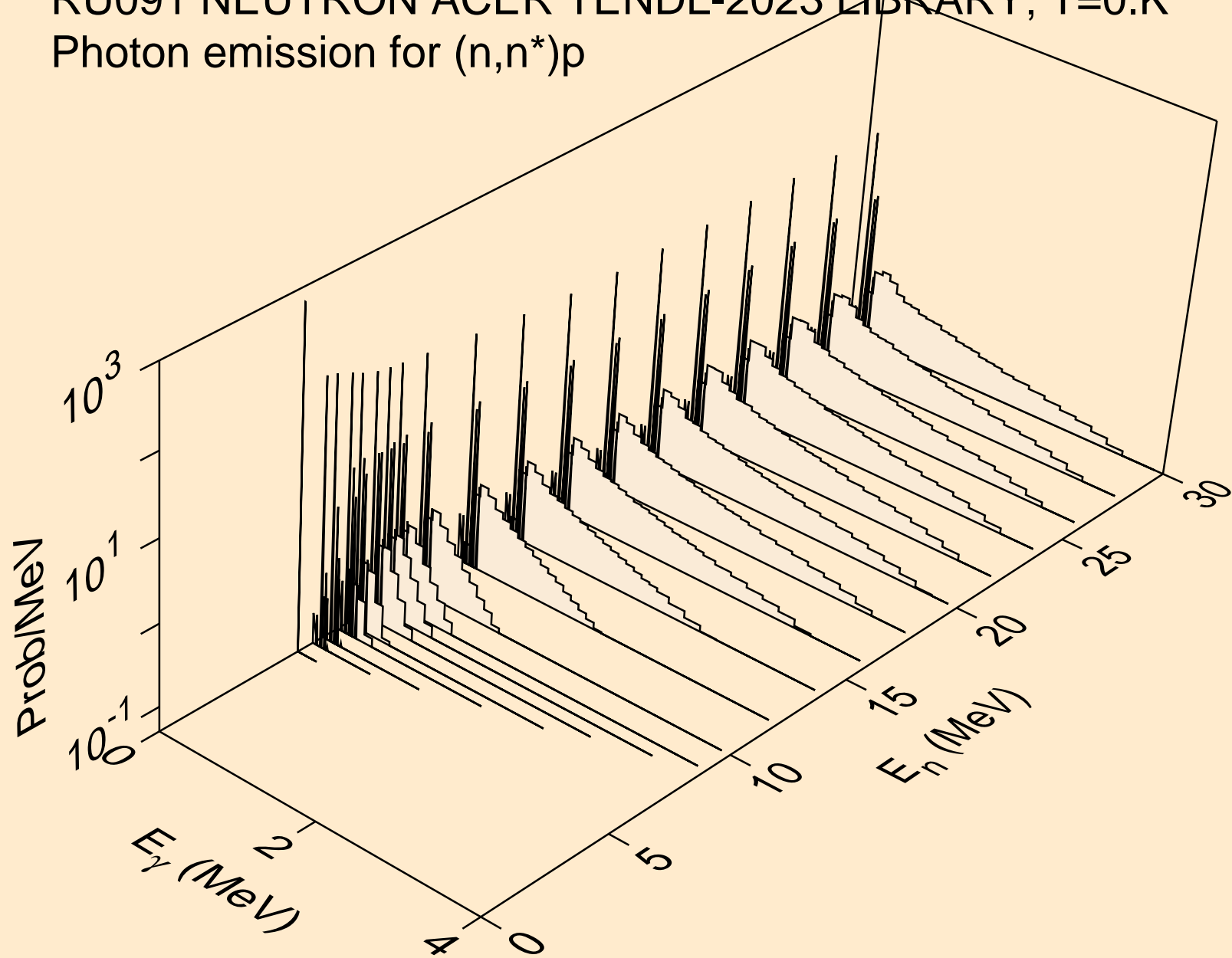
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Photon emission for (n,n\*)a



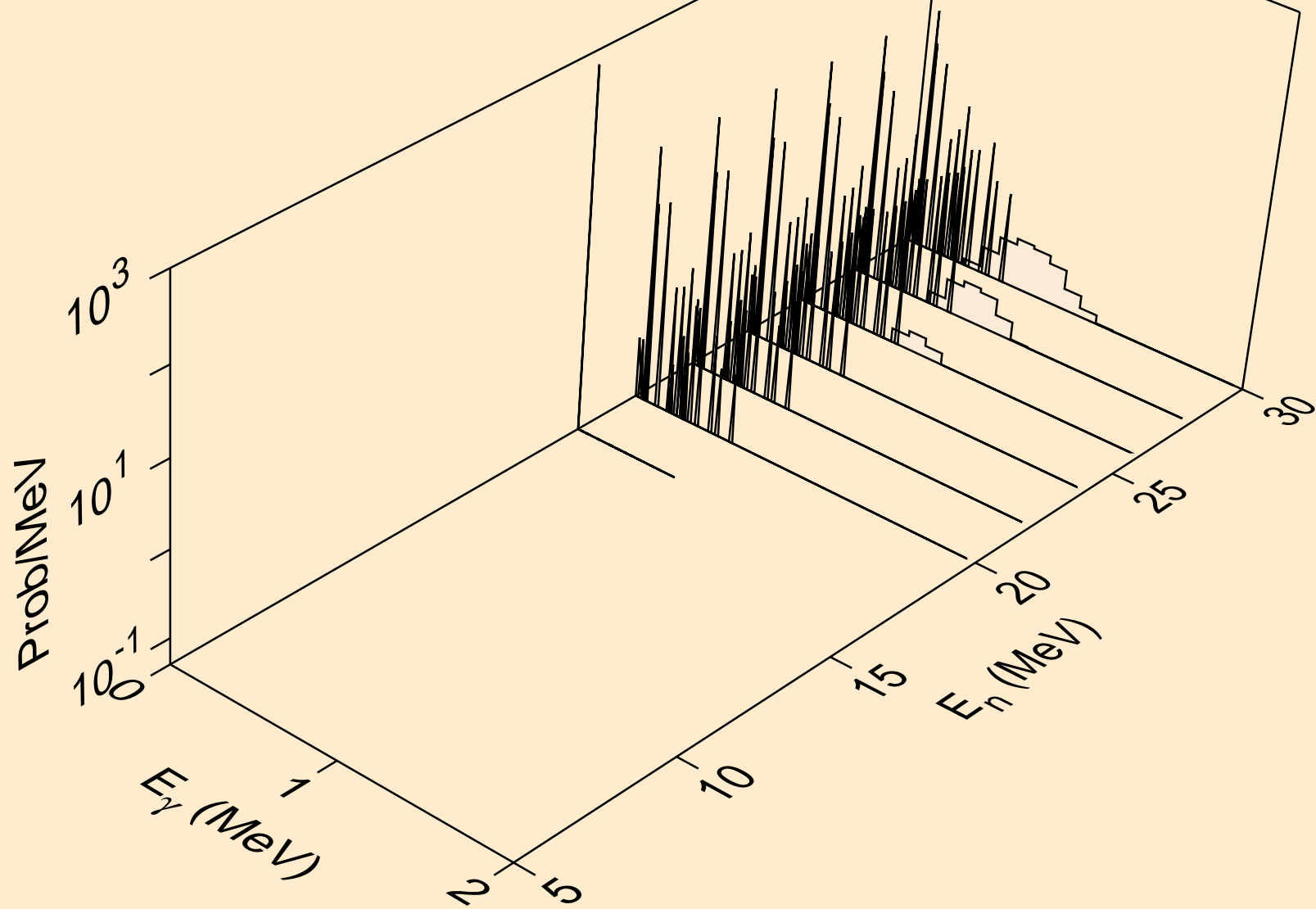
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Photon emission for (n,2n)a



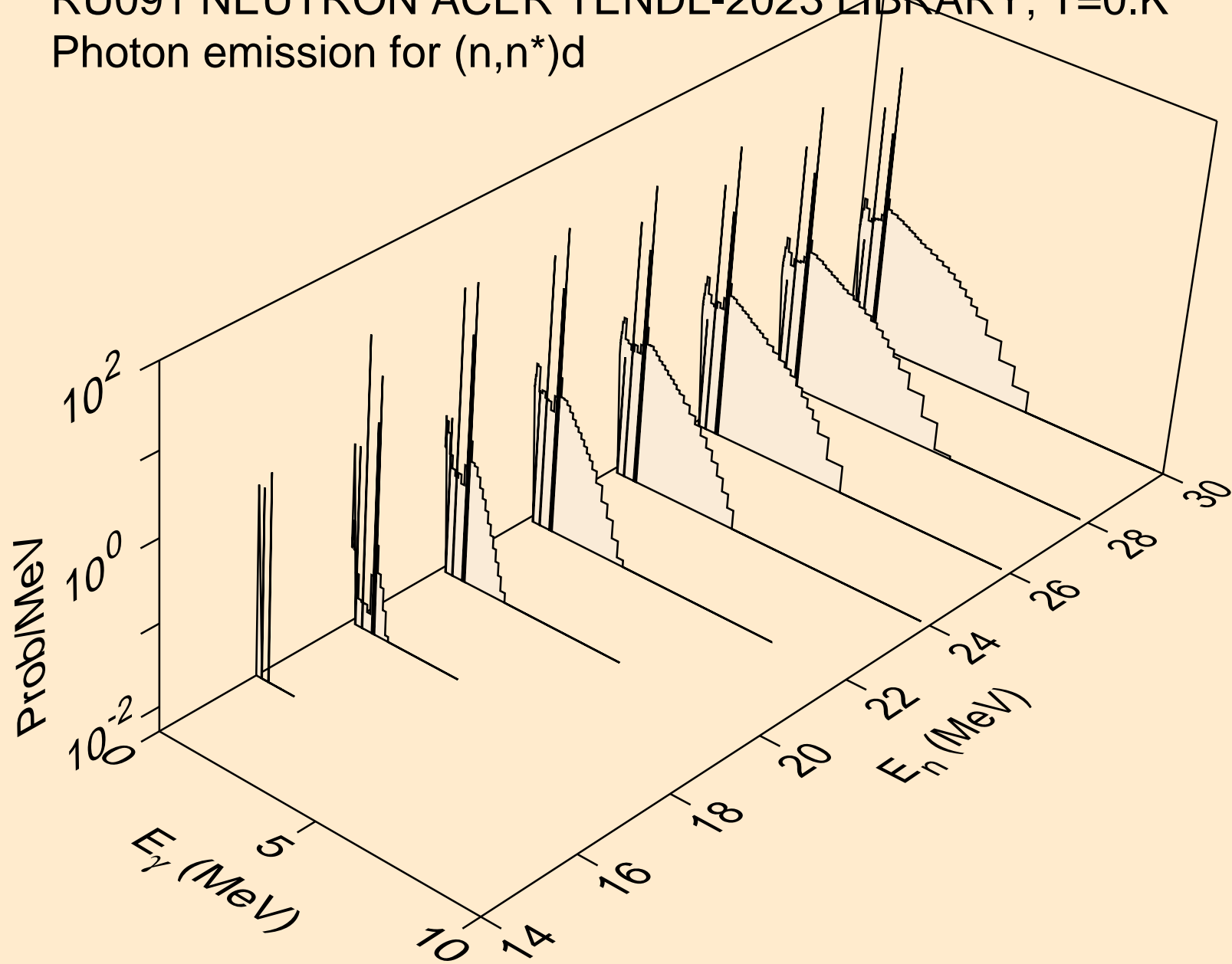
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Photon emission for (n,n\*)p



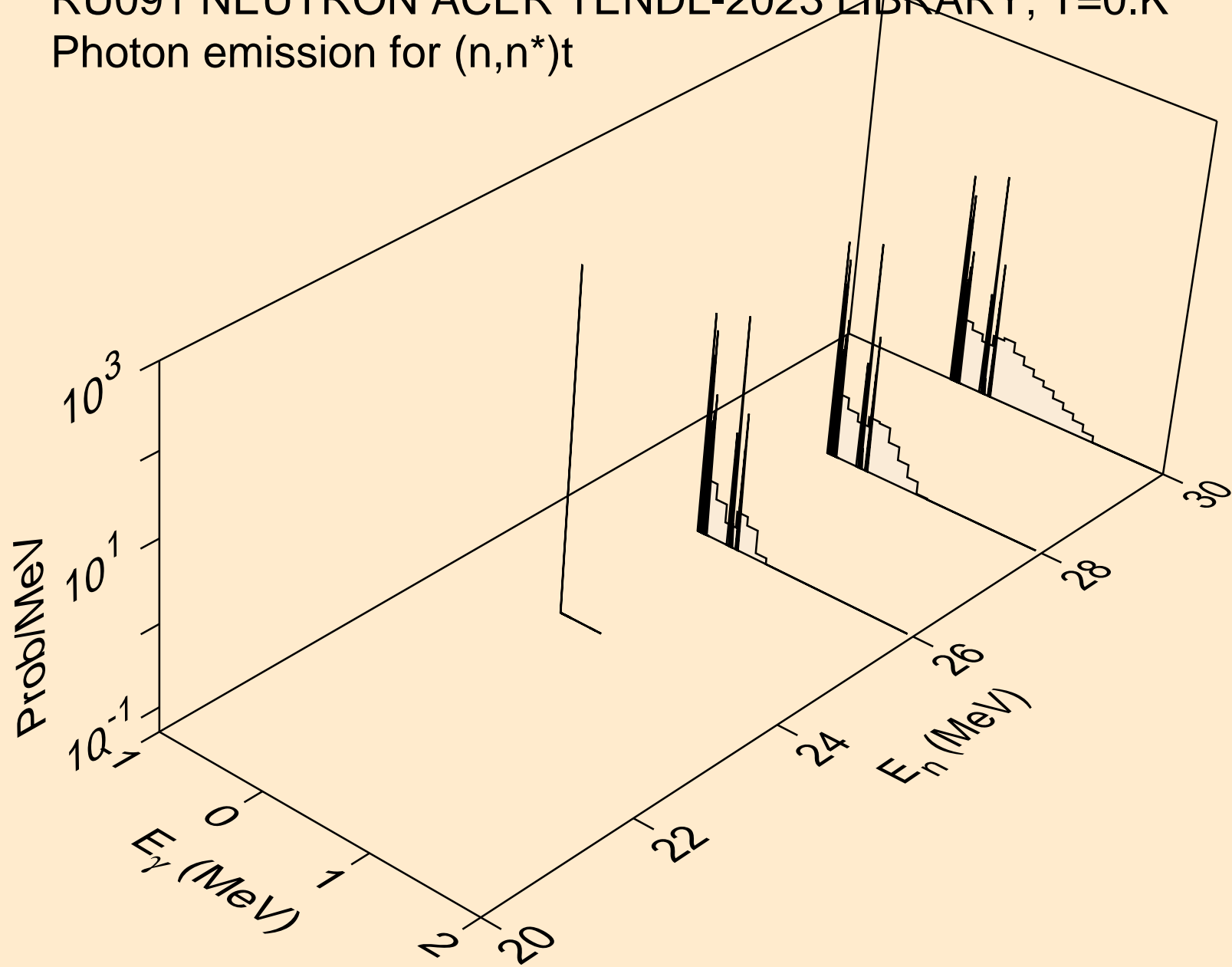
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Photon emission for (n,n\*)2a



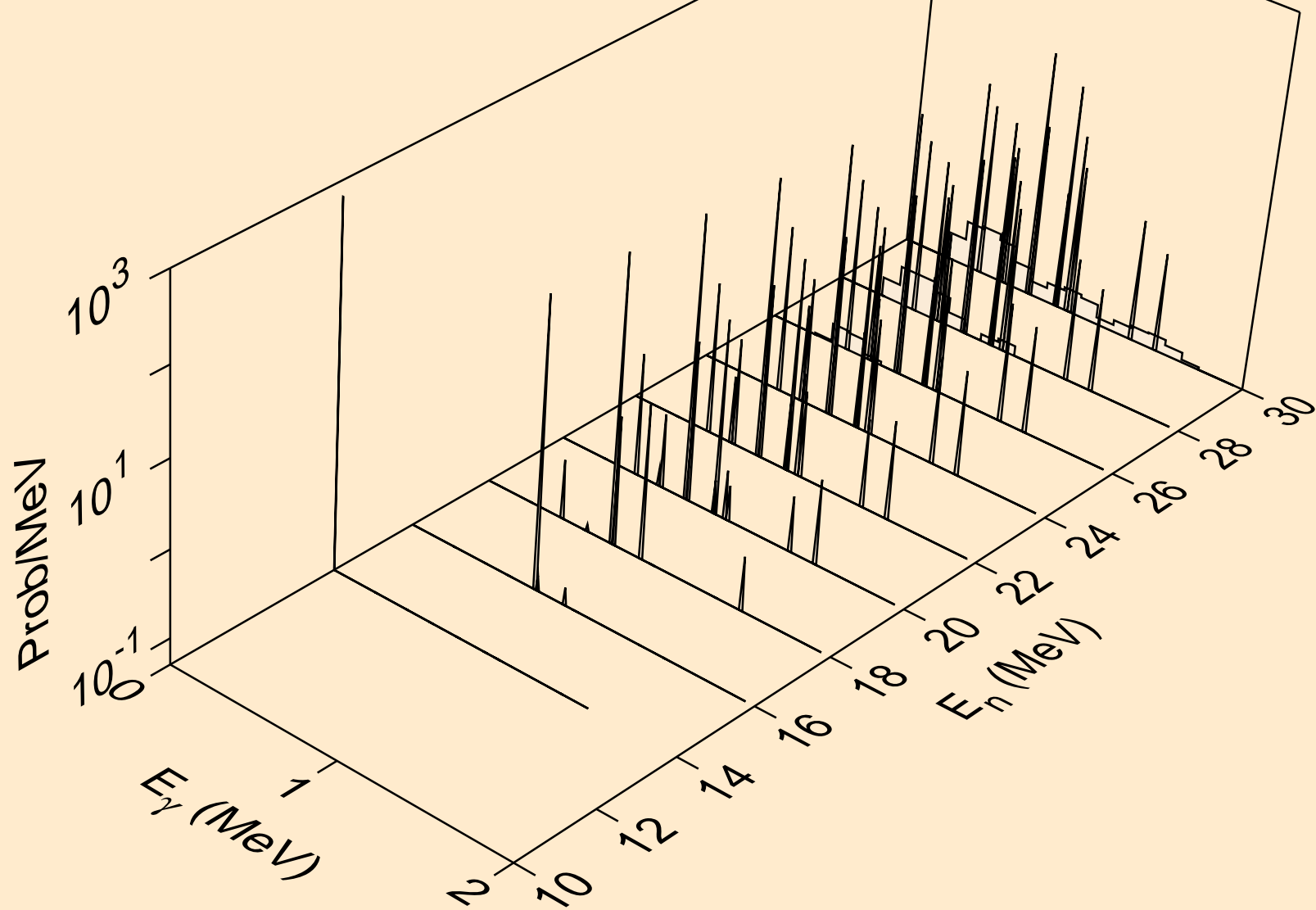
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Photon emission for (n,n\*)d



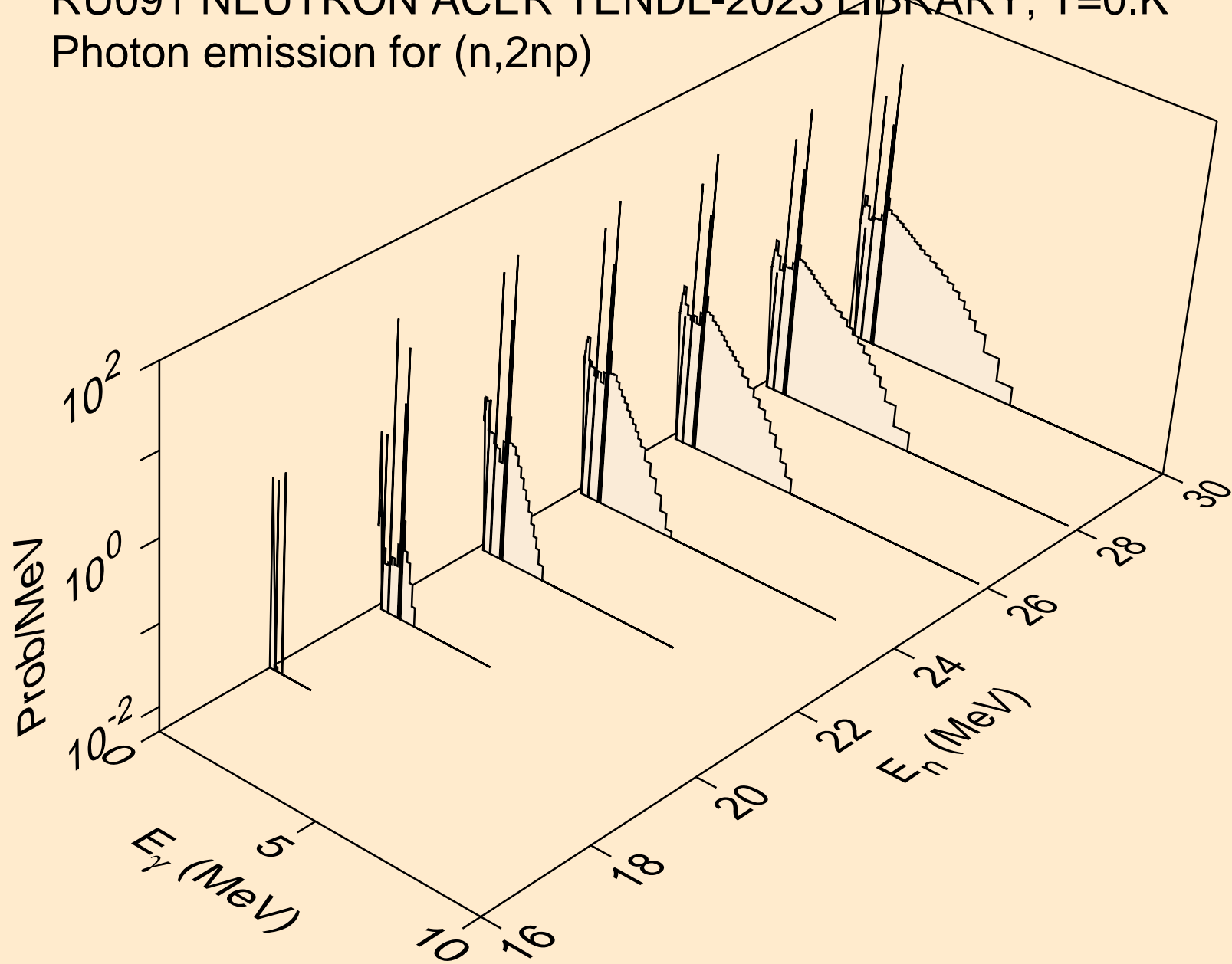
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

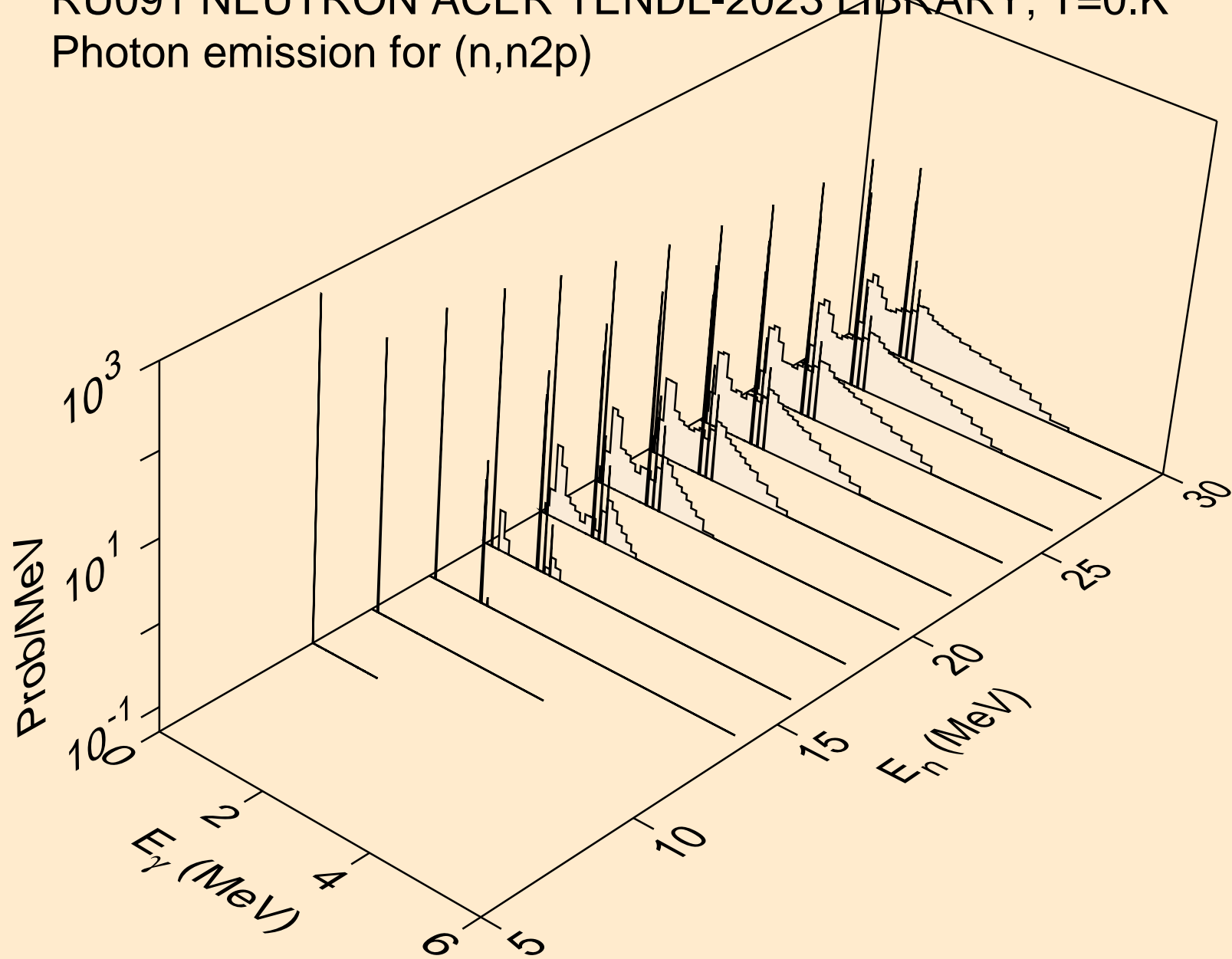


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Photon emission for (n,2np)

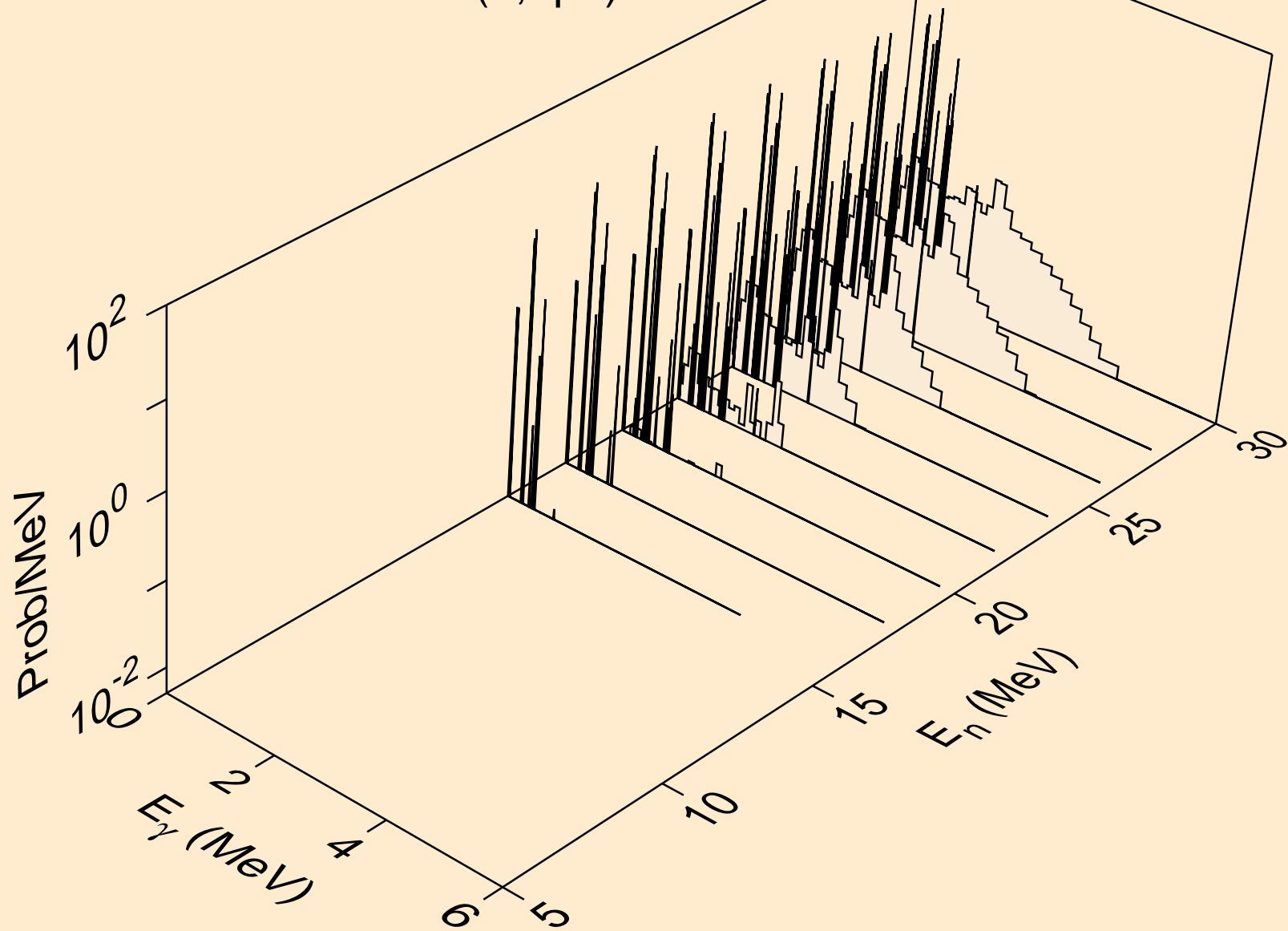




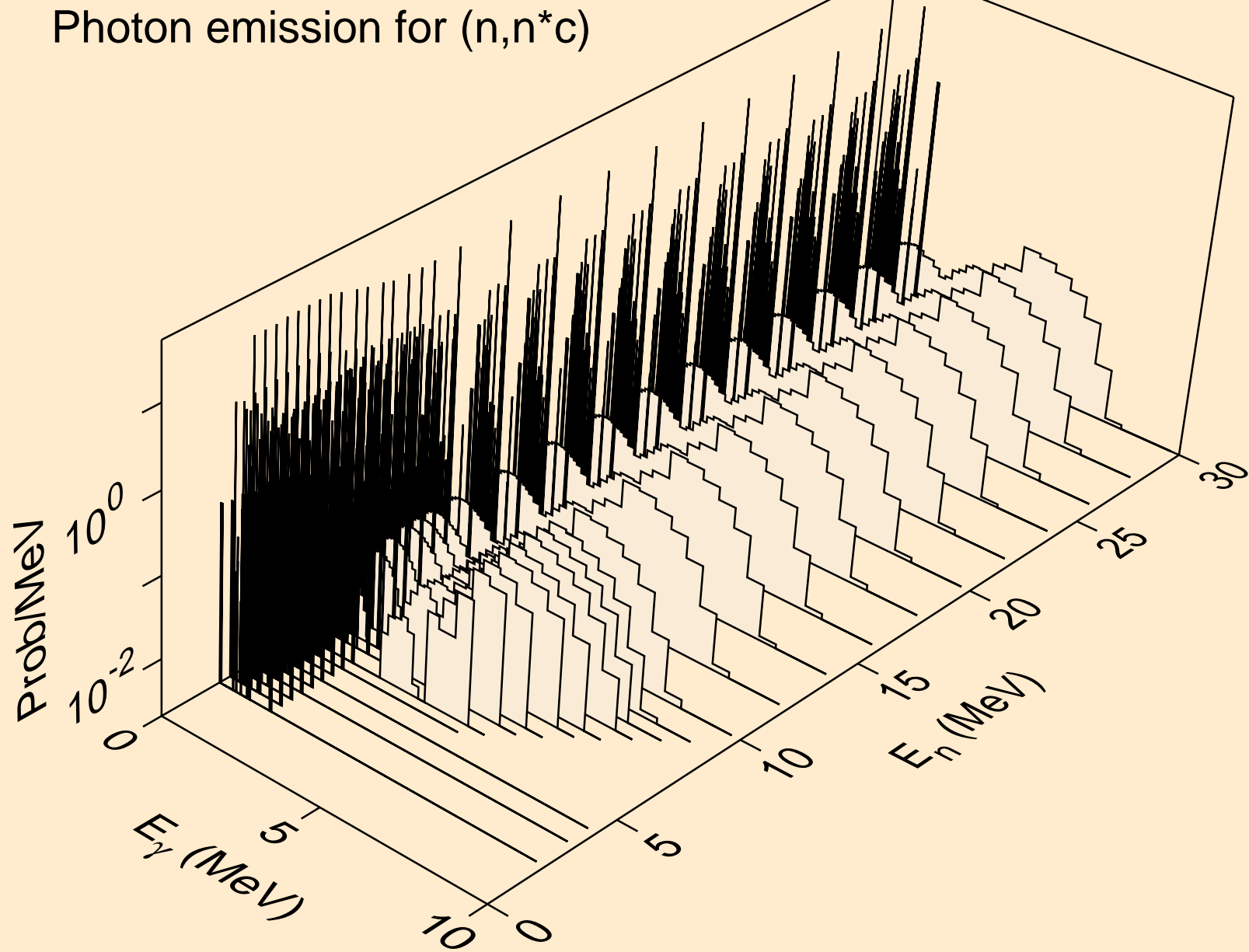
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Photon emission for (n,n2p)



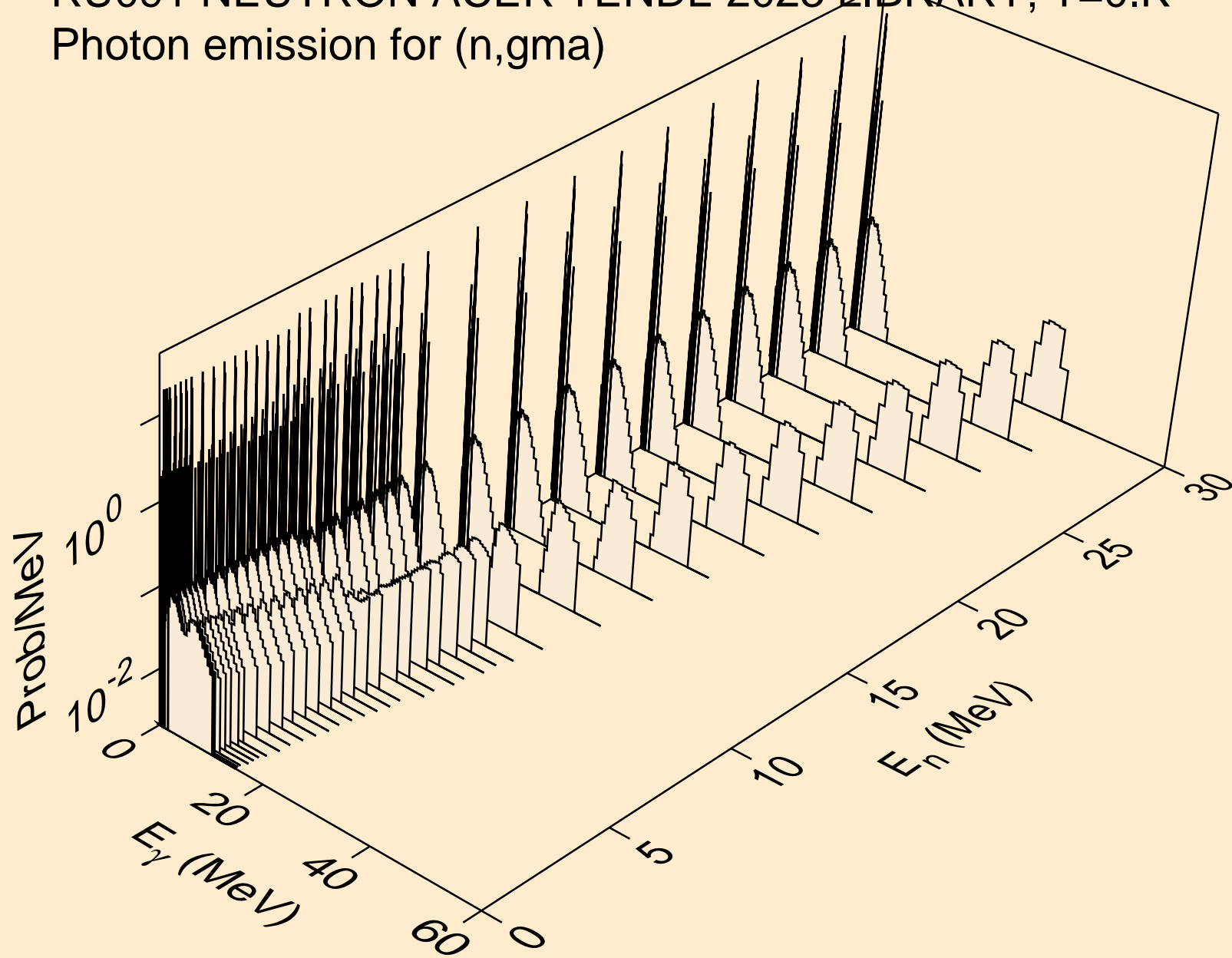
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Photon emission for (n,npa)



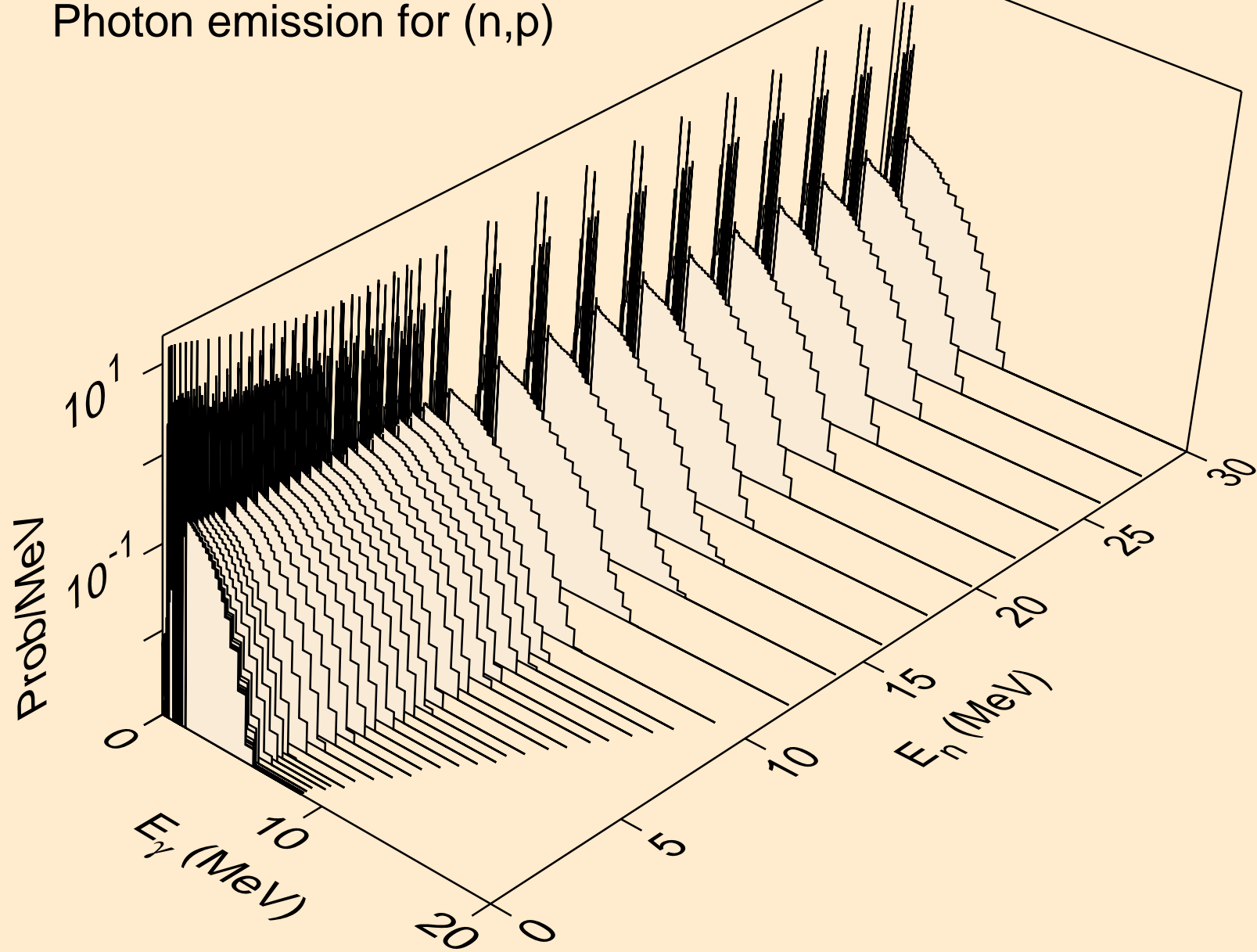
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Photon emission for (n,n\*c)



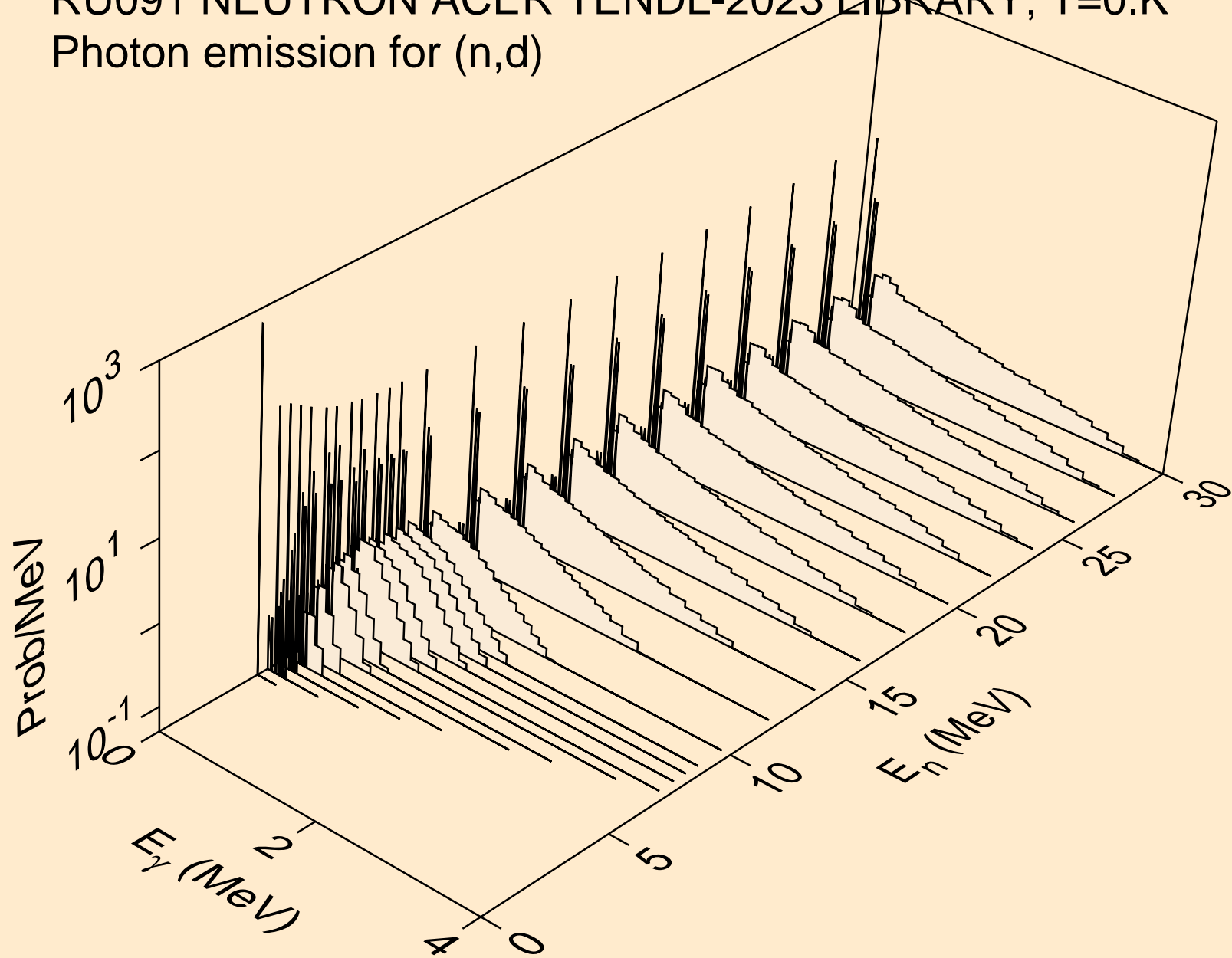
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Photon emission for (n,gma)



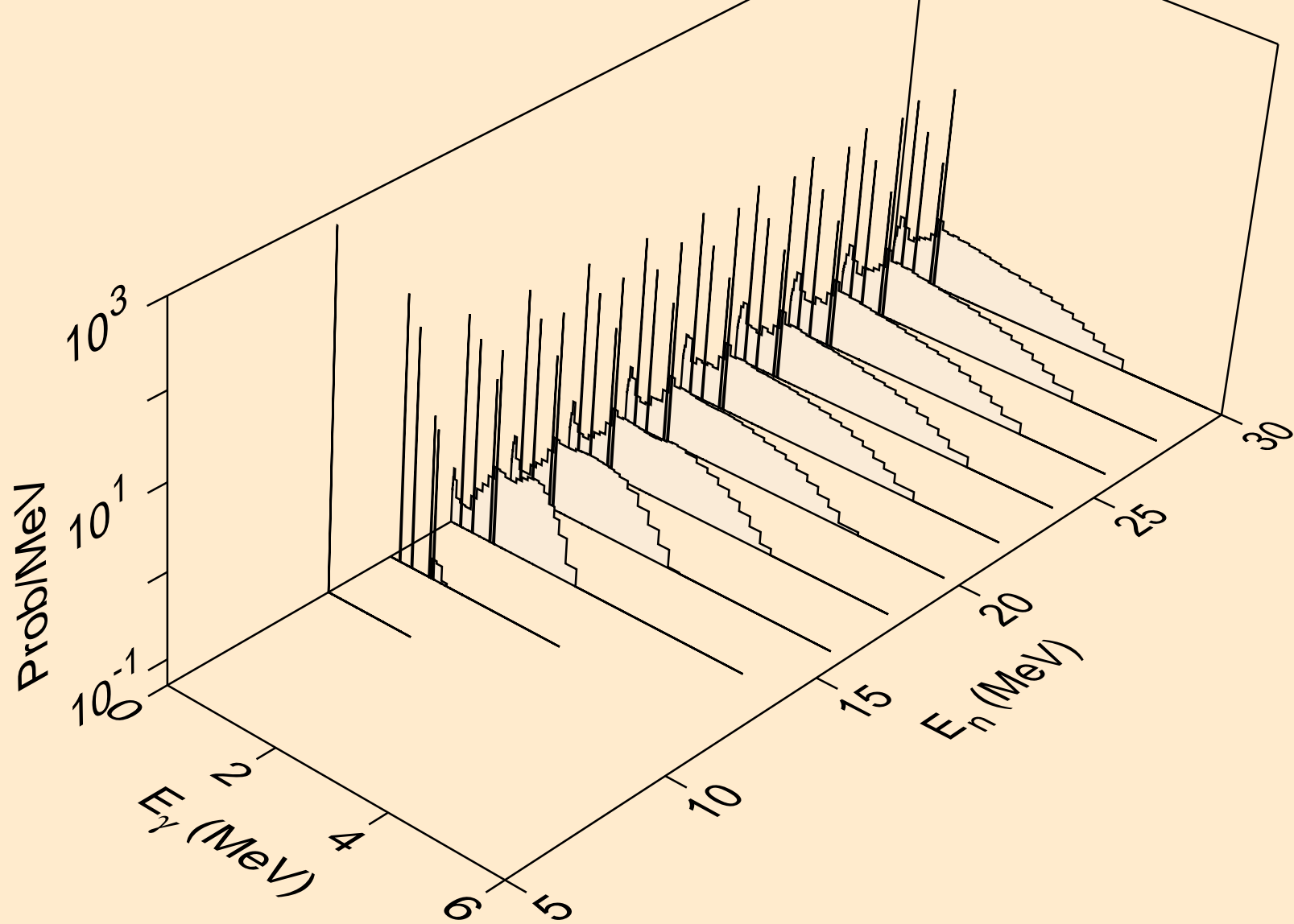
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Photon emission for (n,p)



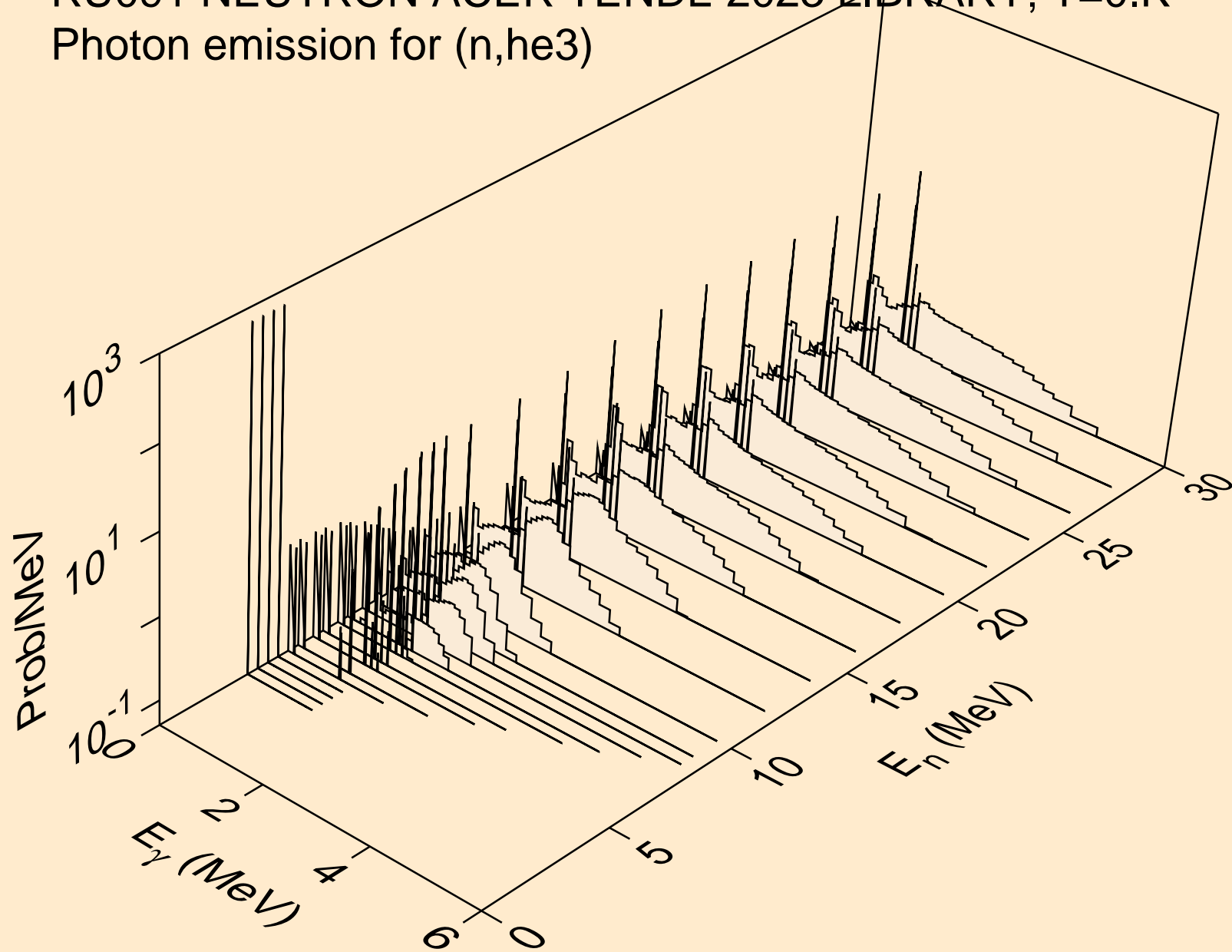
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

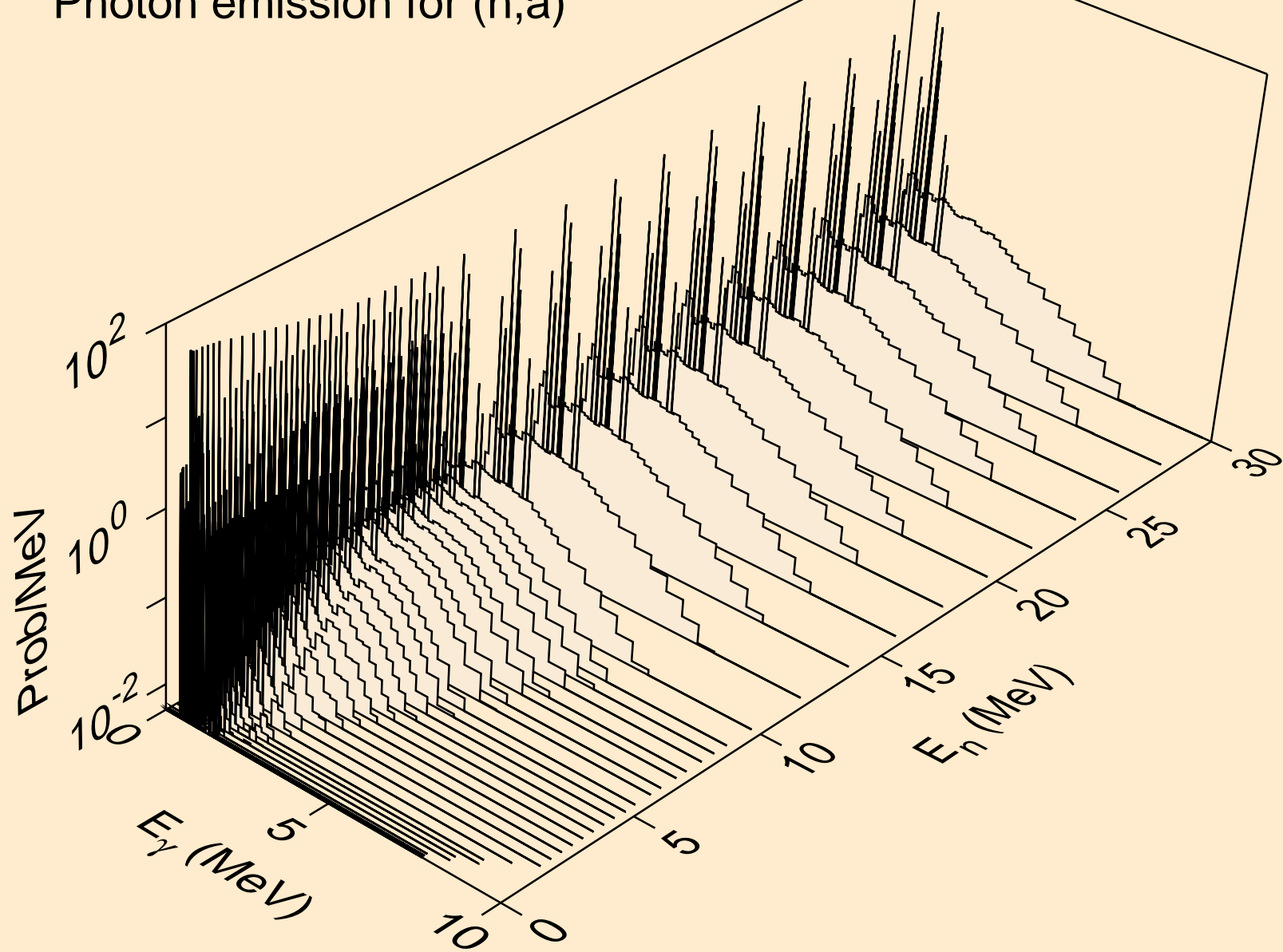


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Photon emission for (n,he3)

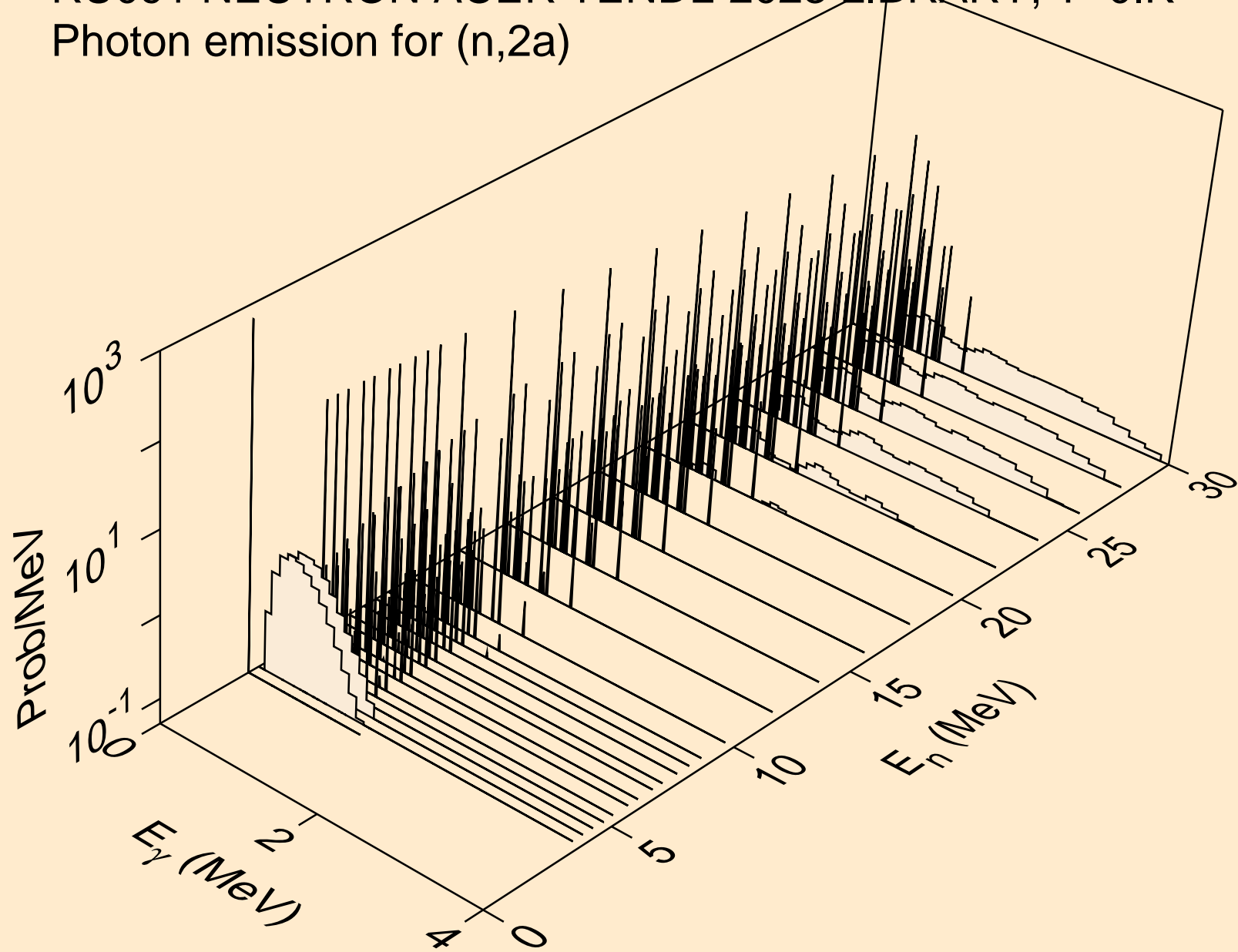




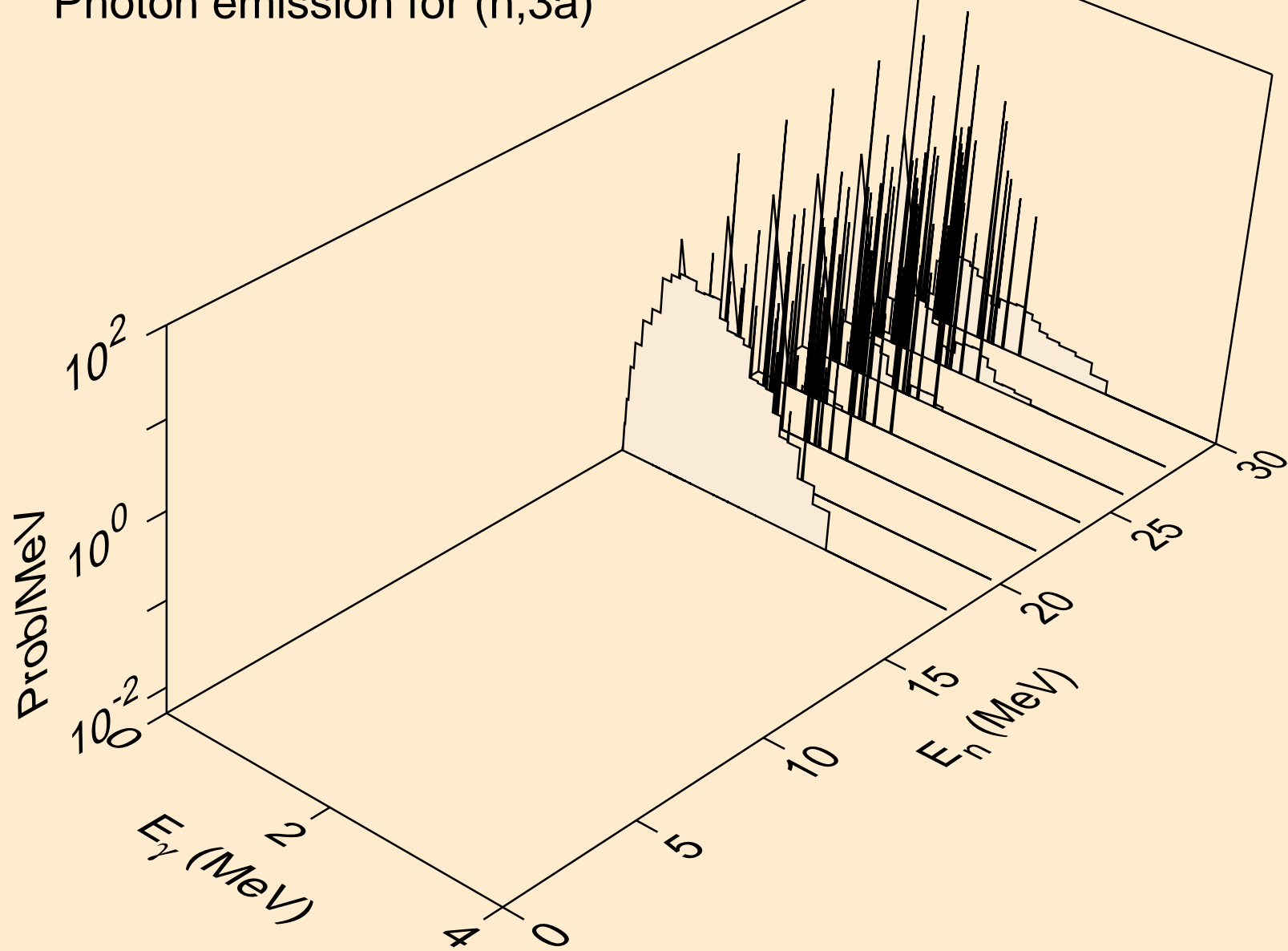
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Photon emission for (n,a)



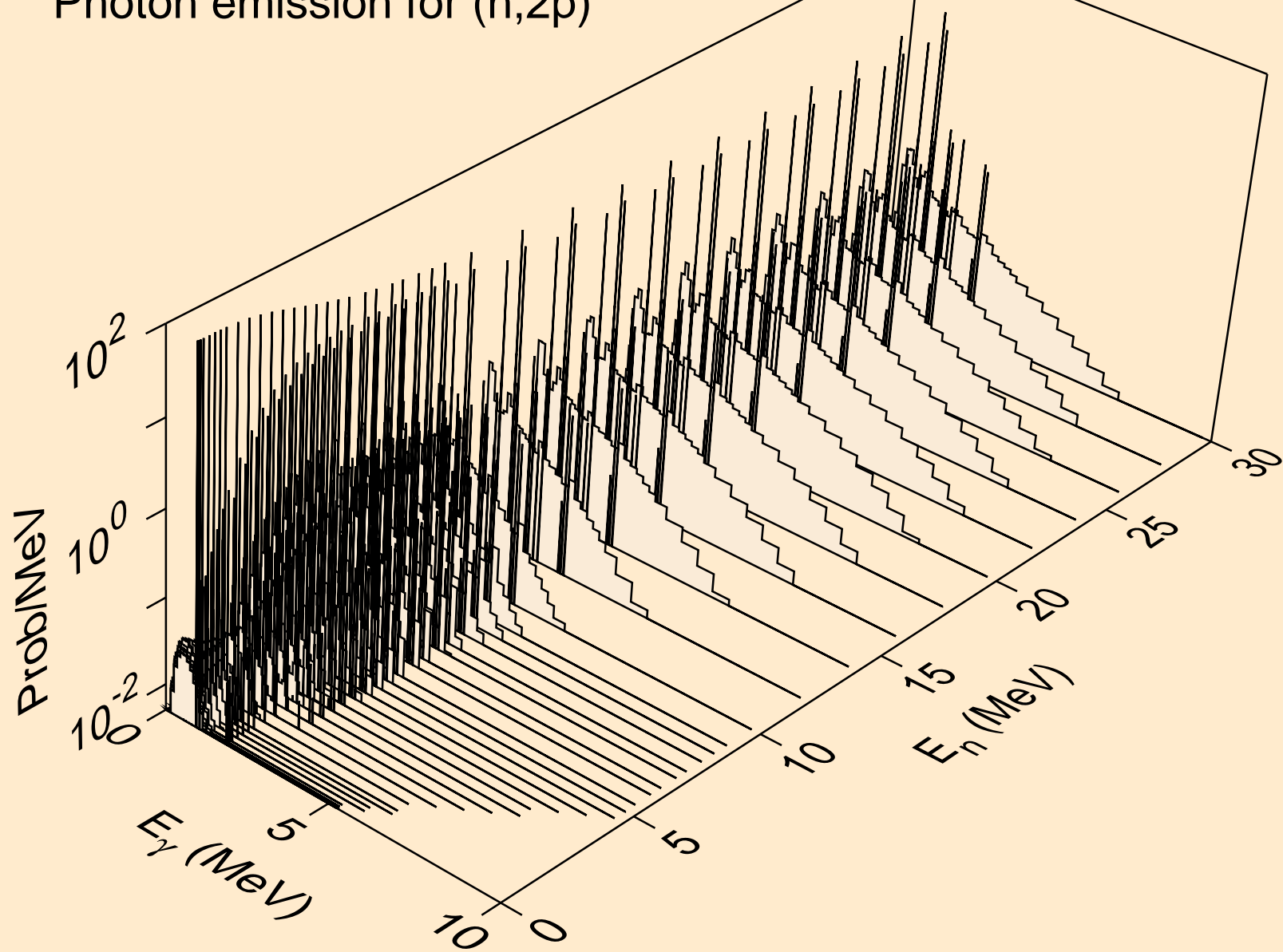
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Photon emission for (n,2a)



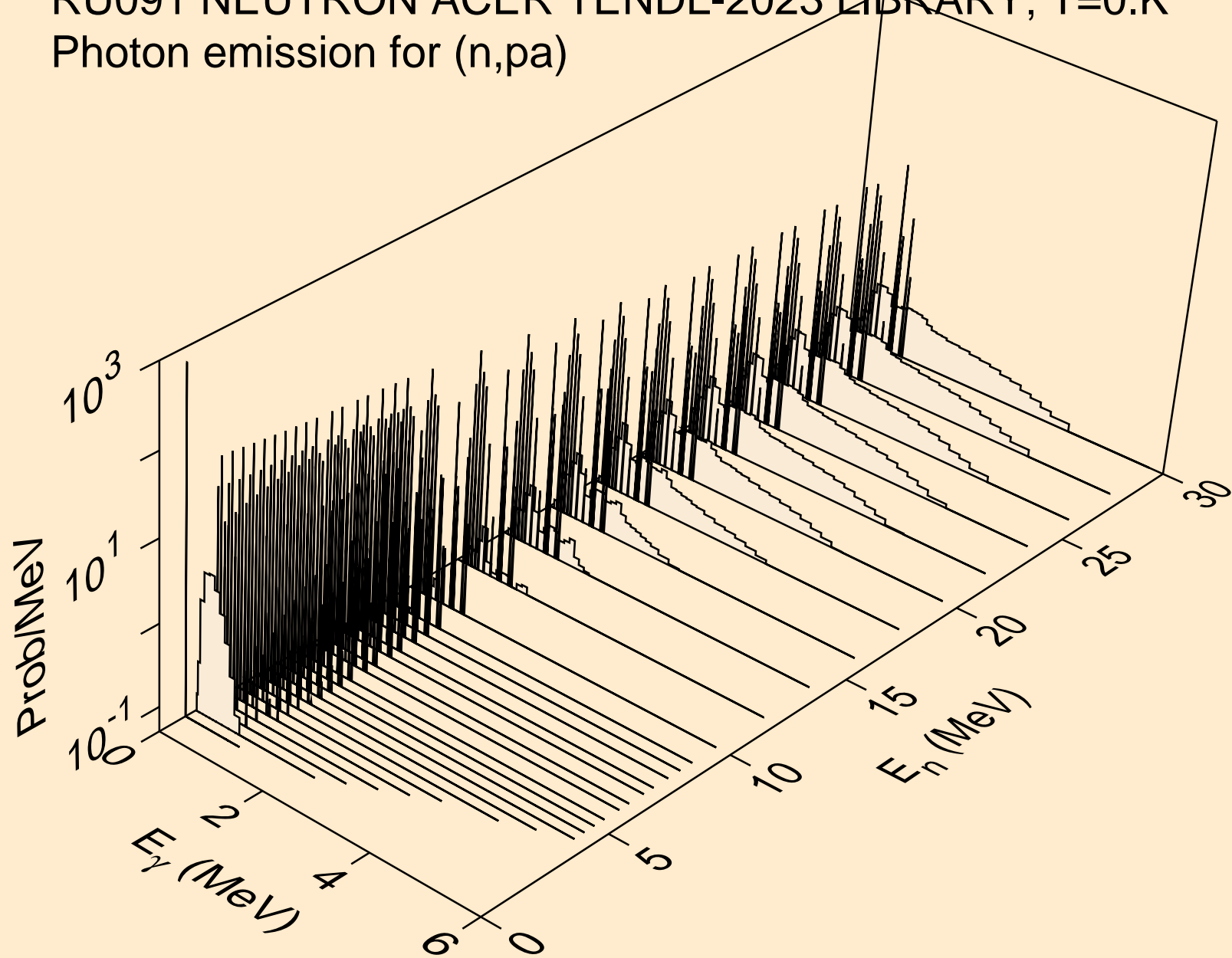
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Photon emission for (n,3a)



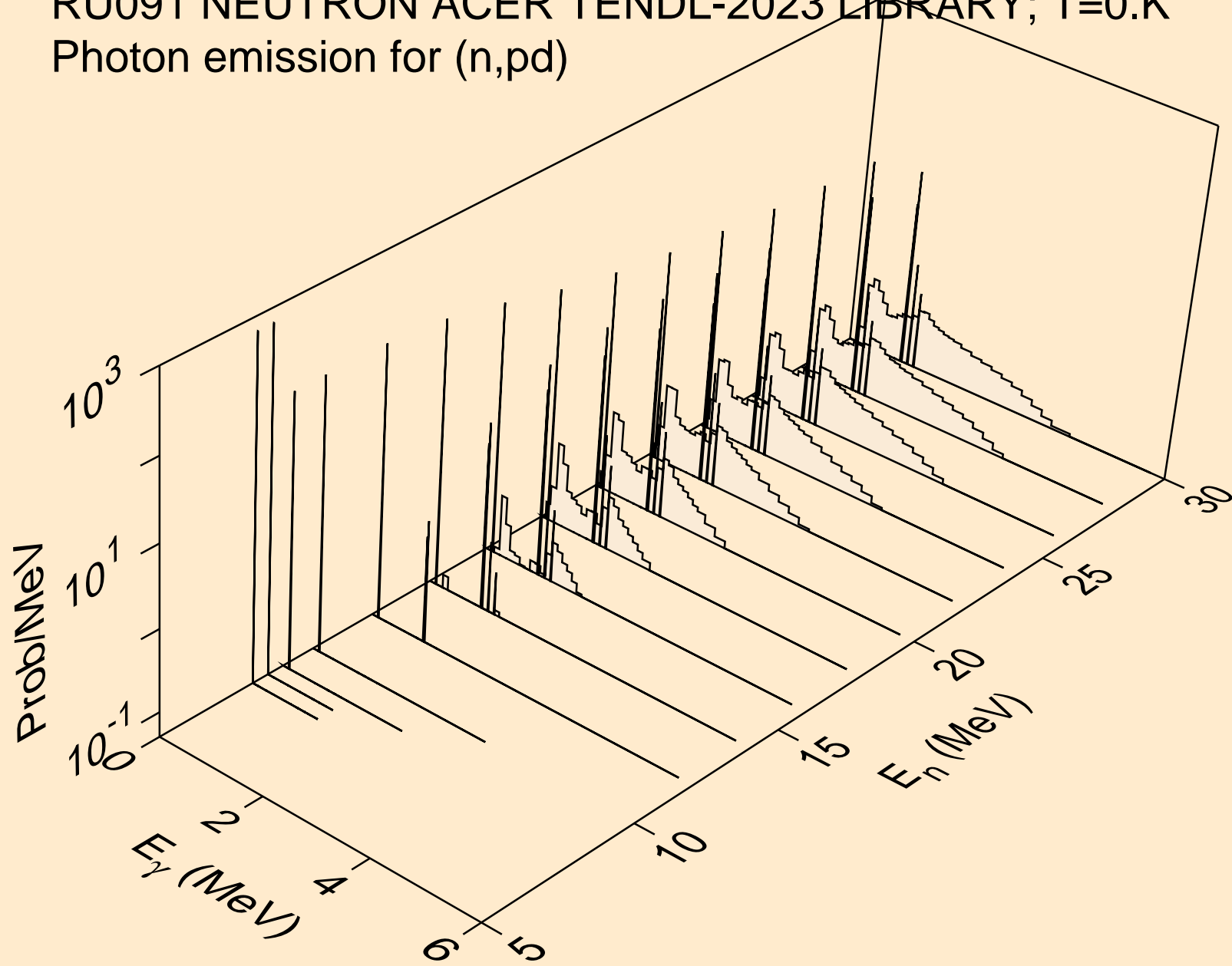
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



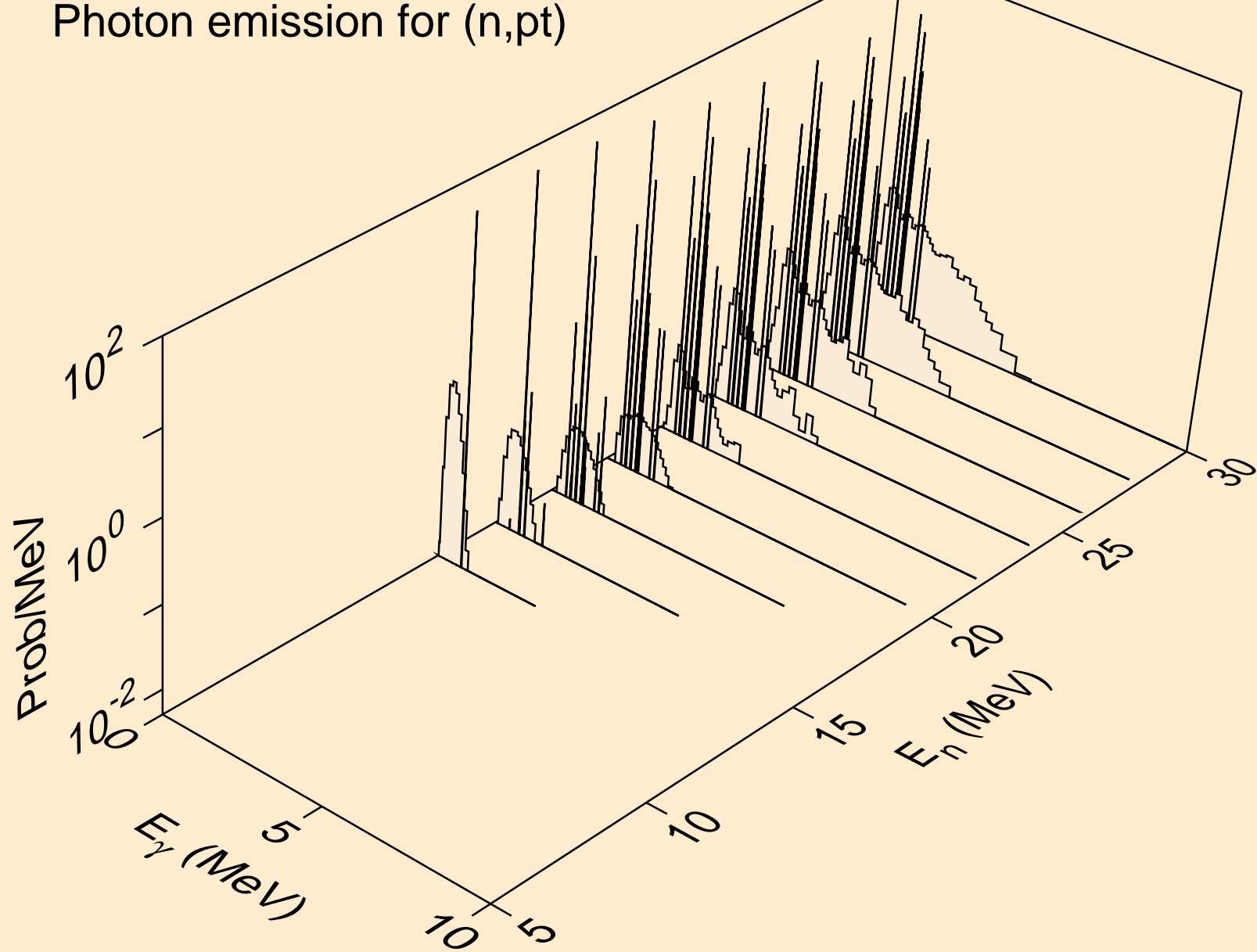
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Photon emission for (n,p $\alpha$ )



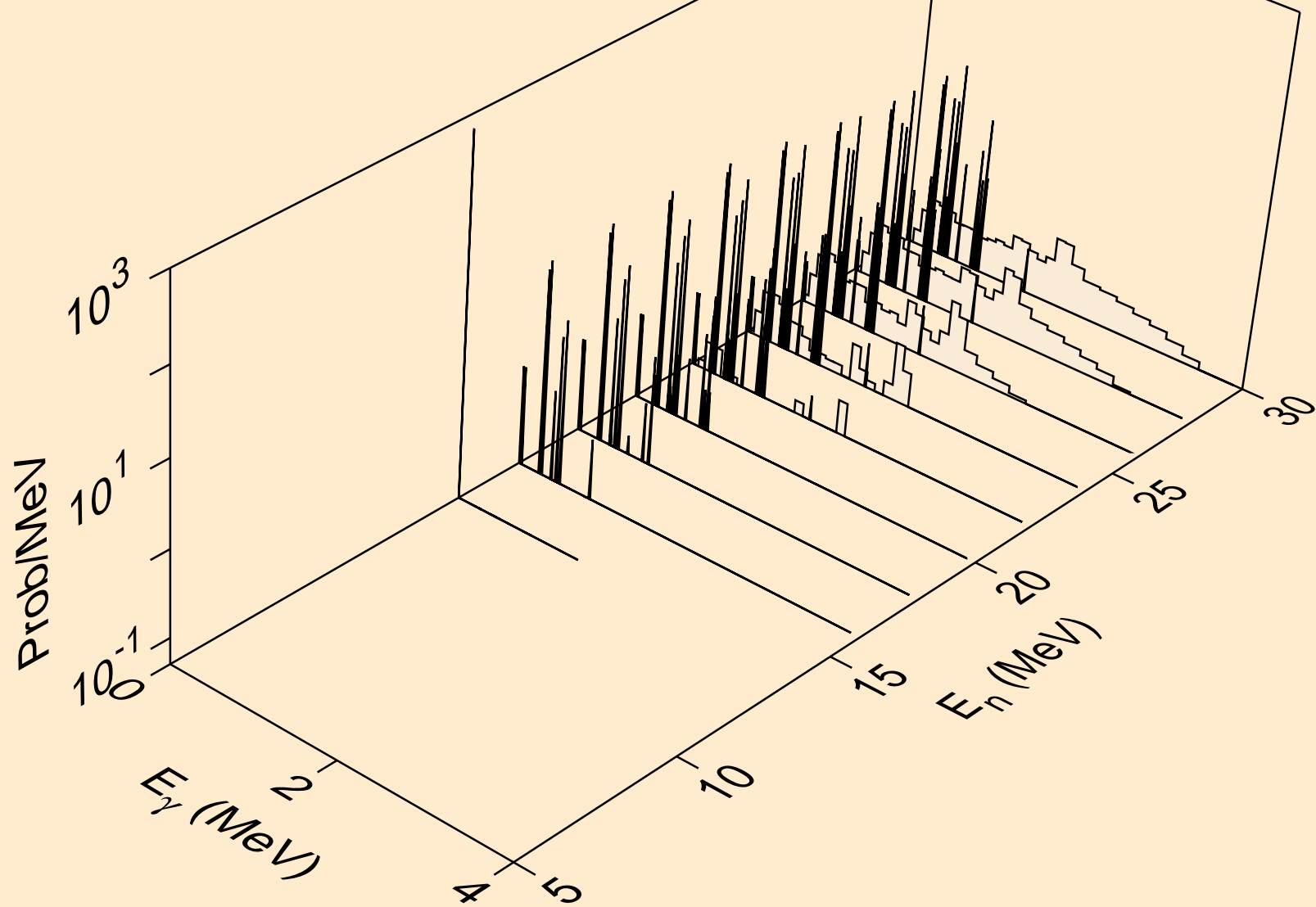
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

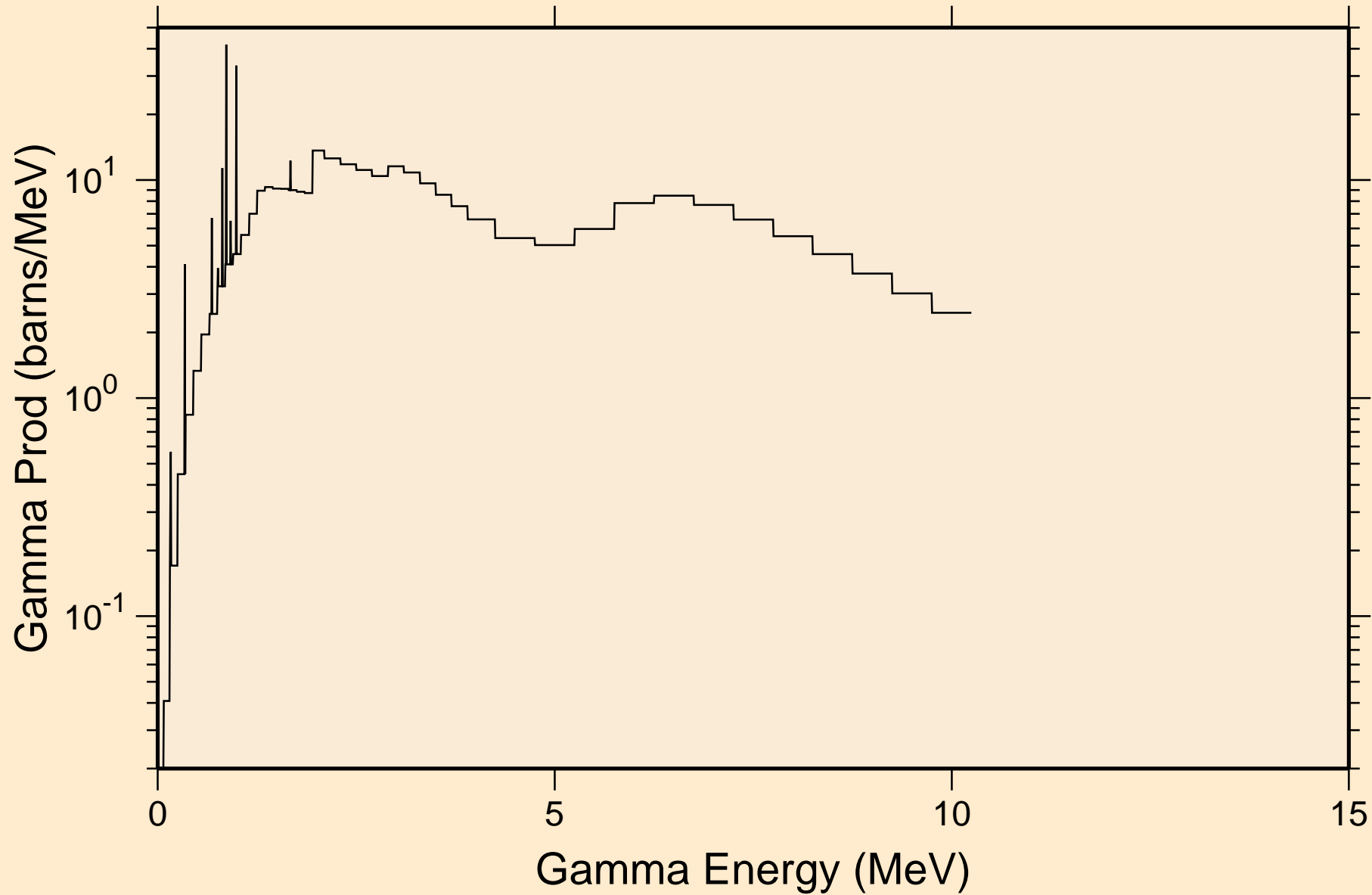


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

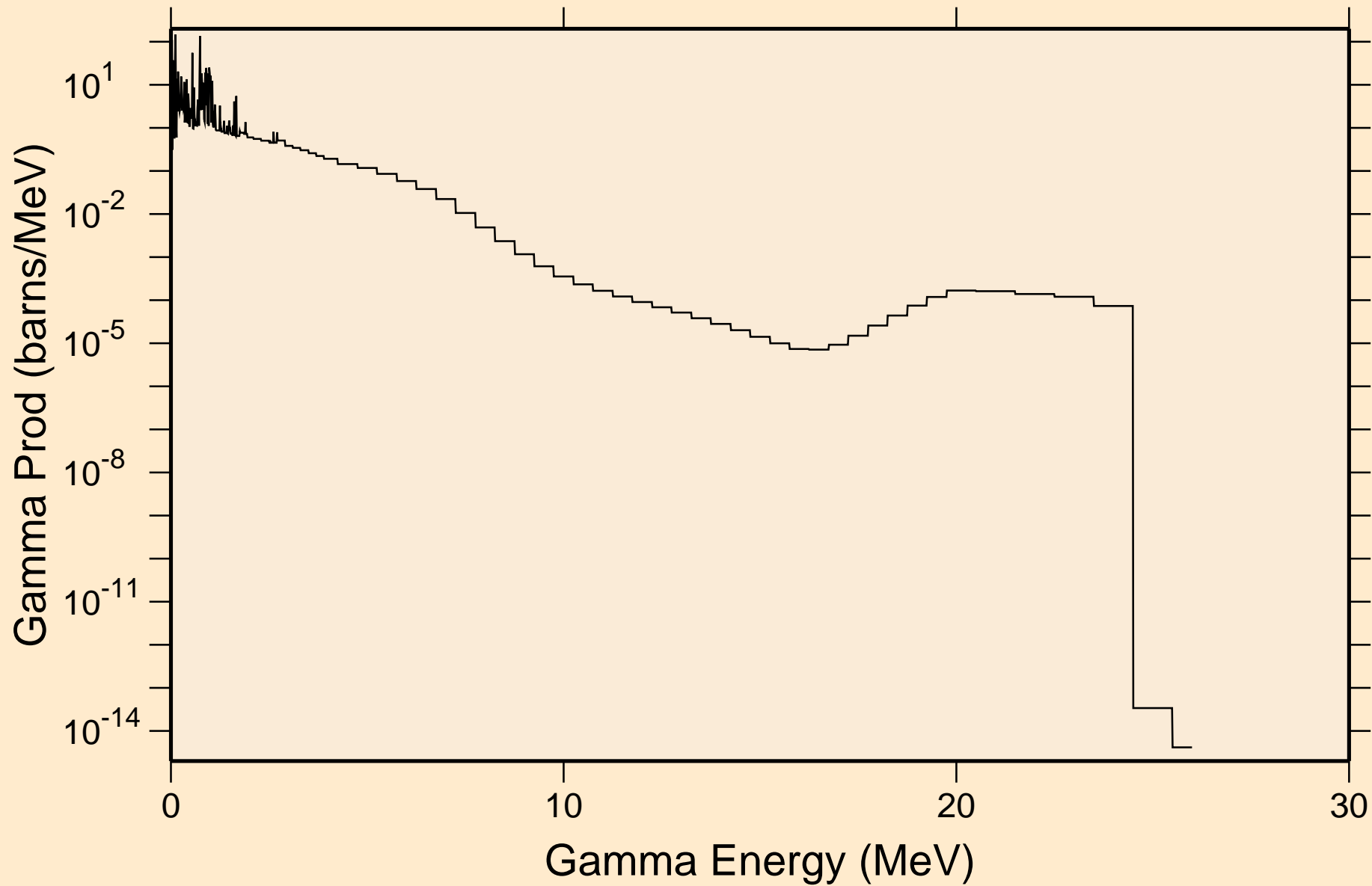




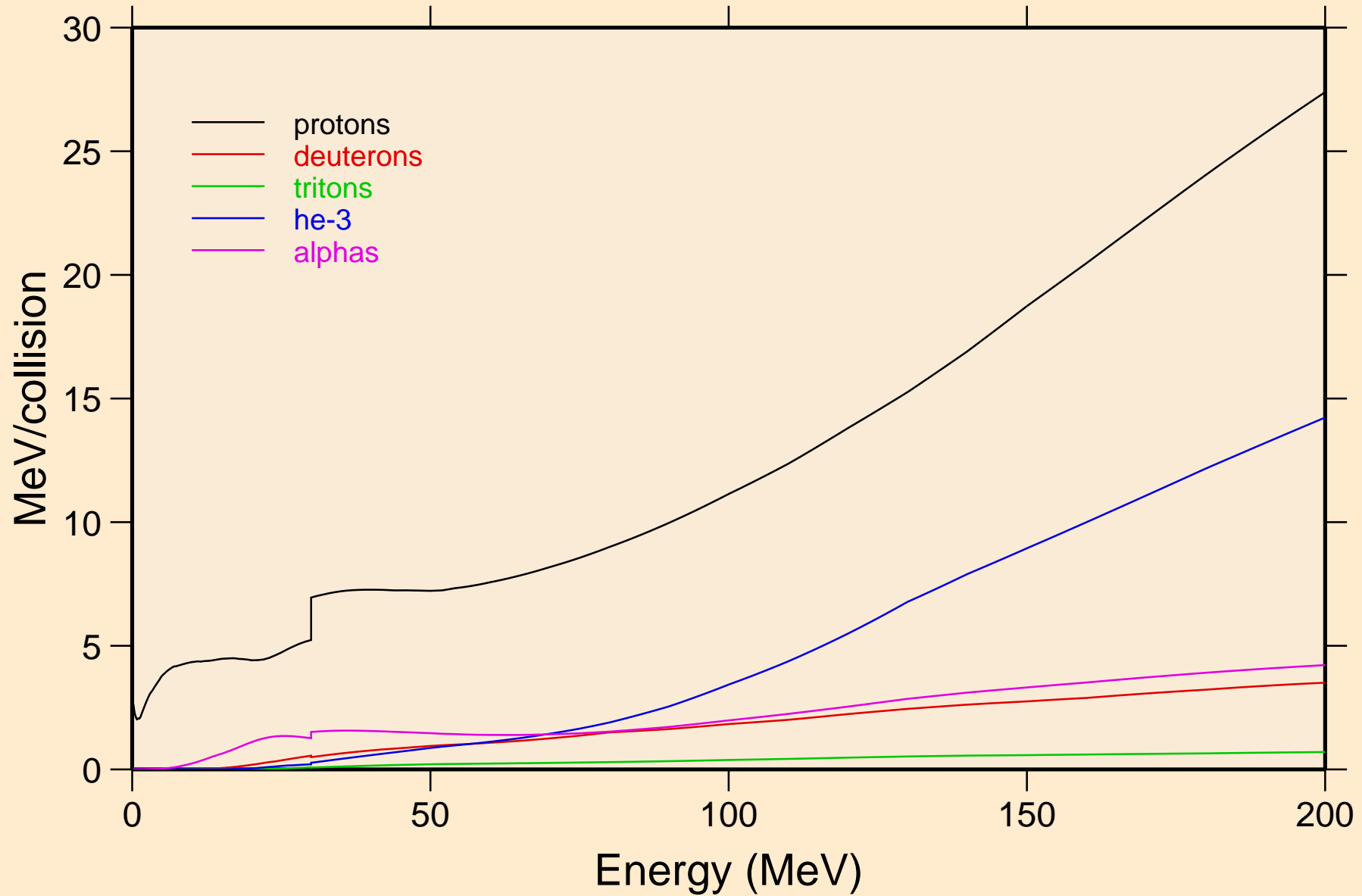
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thermal capture photon spectrum



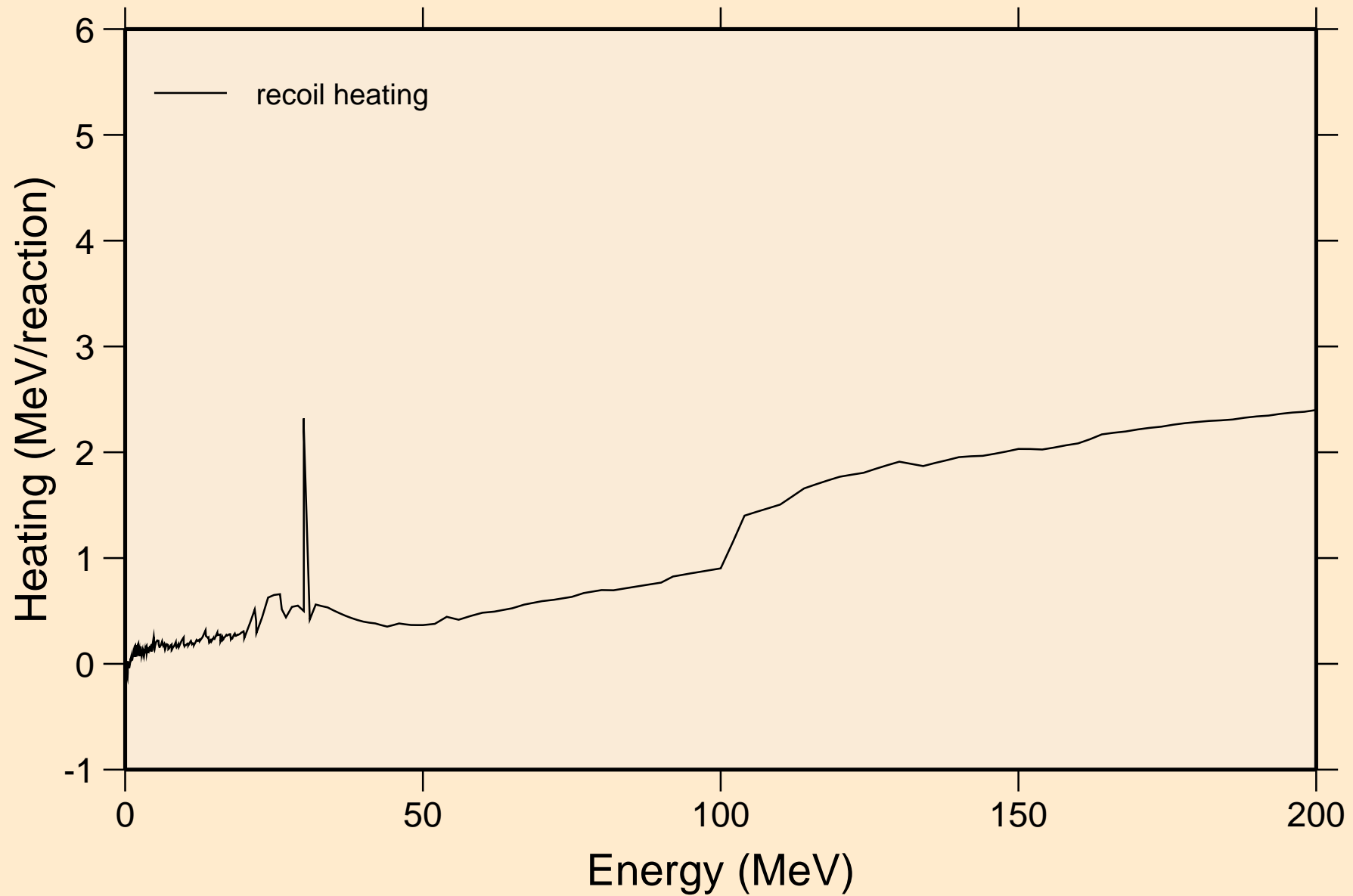
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14 MeV photon spectrum



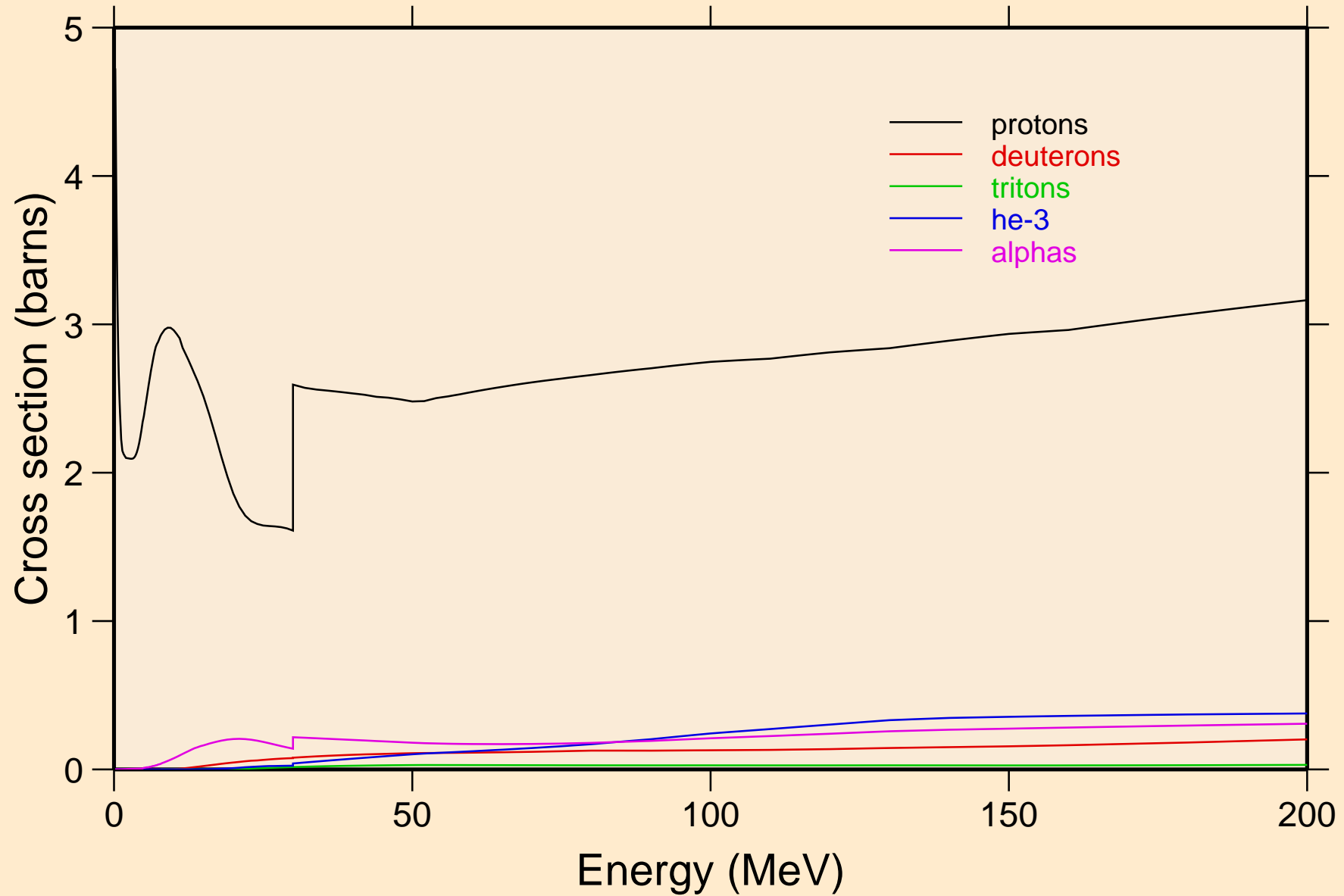
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Particle heating contributions



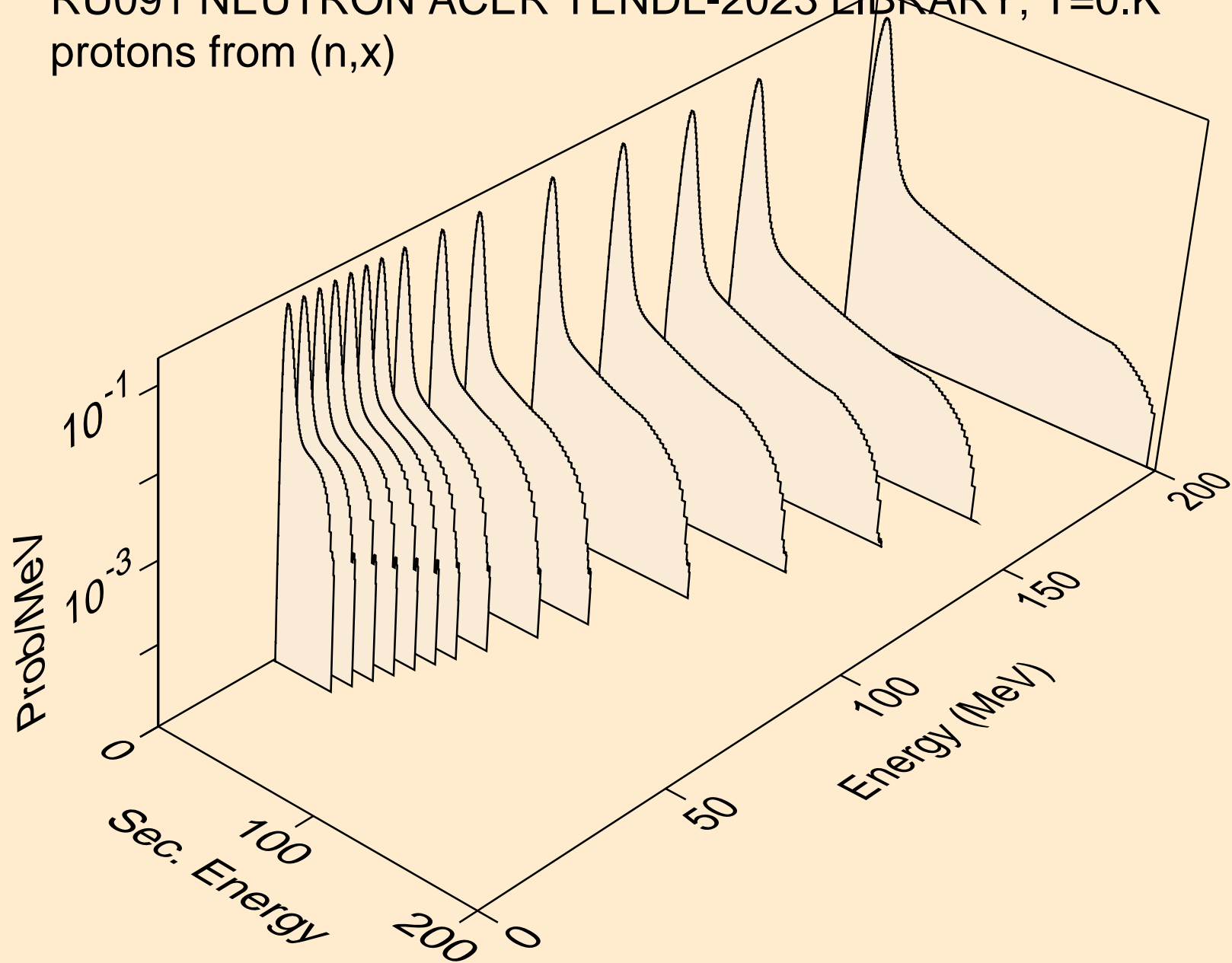
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Recoil Heating



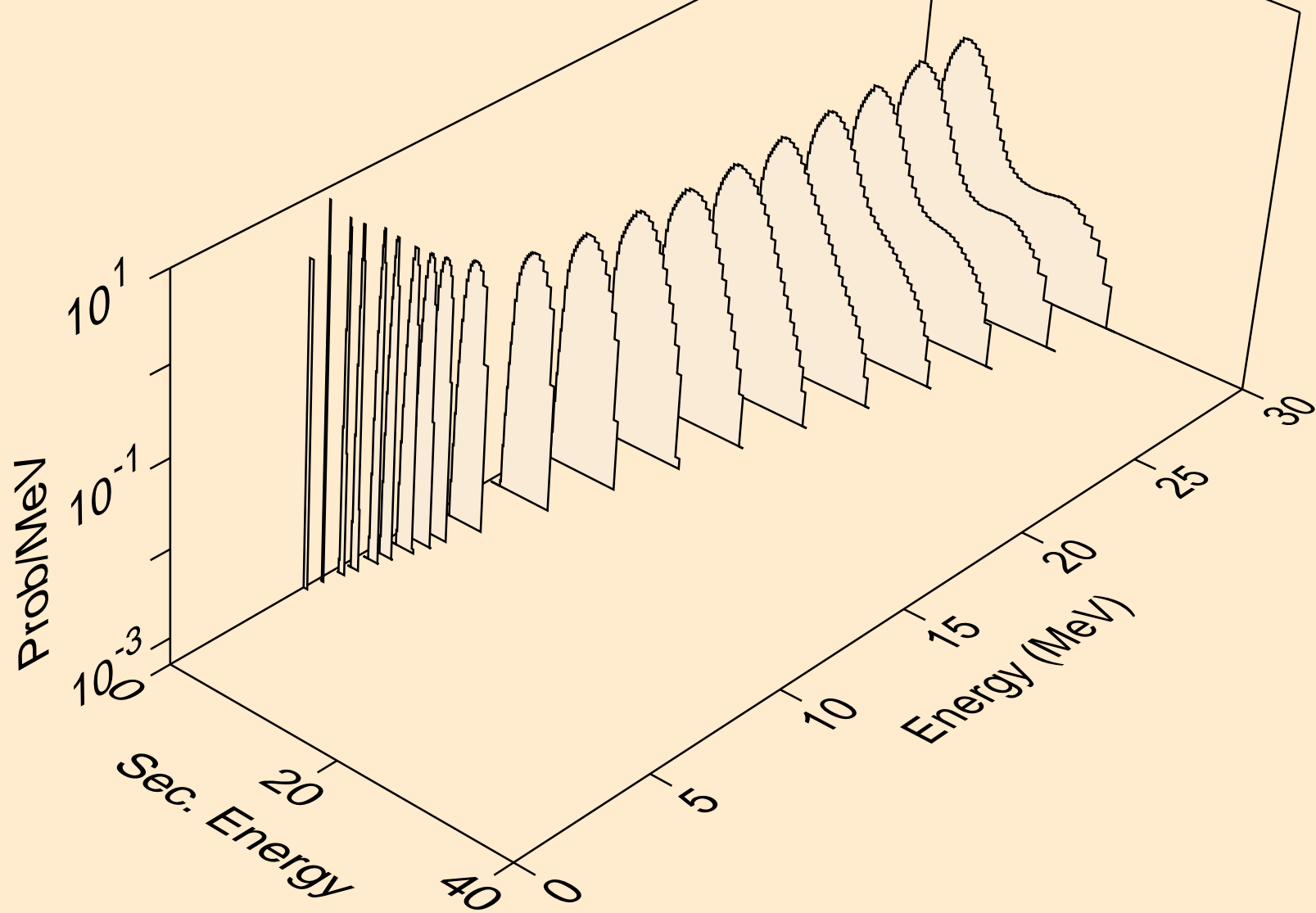
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Particle production cross sections



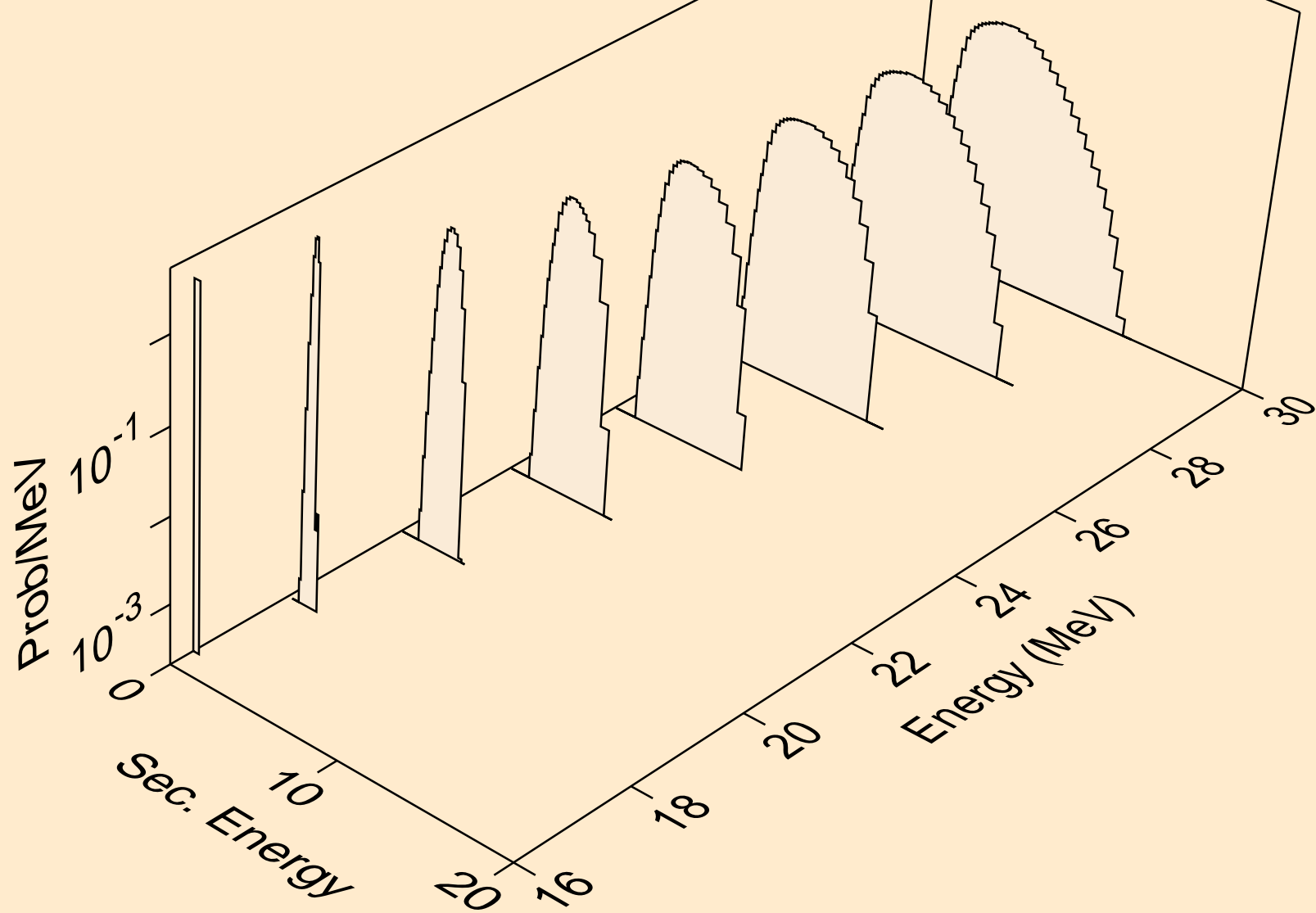
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

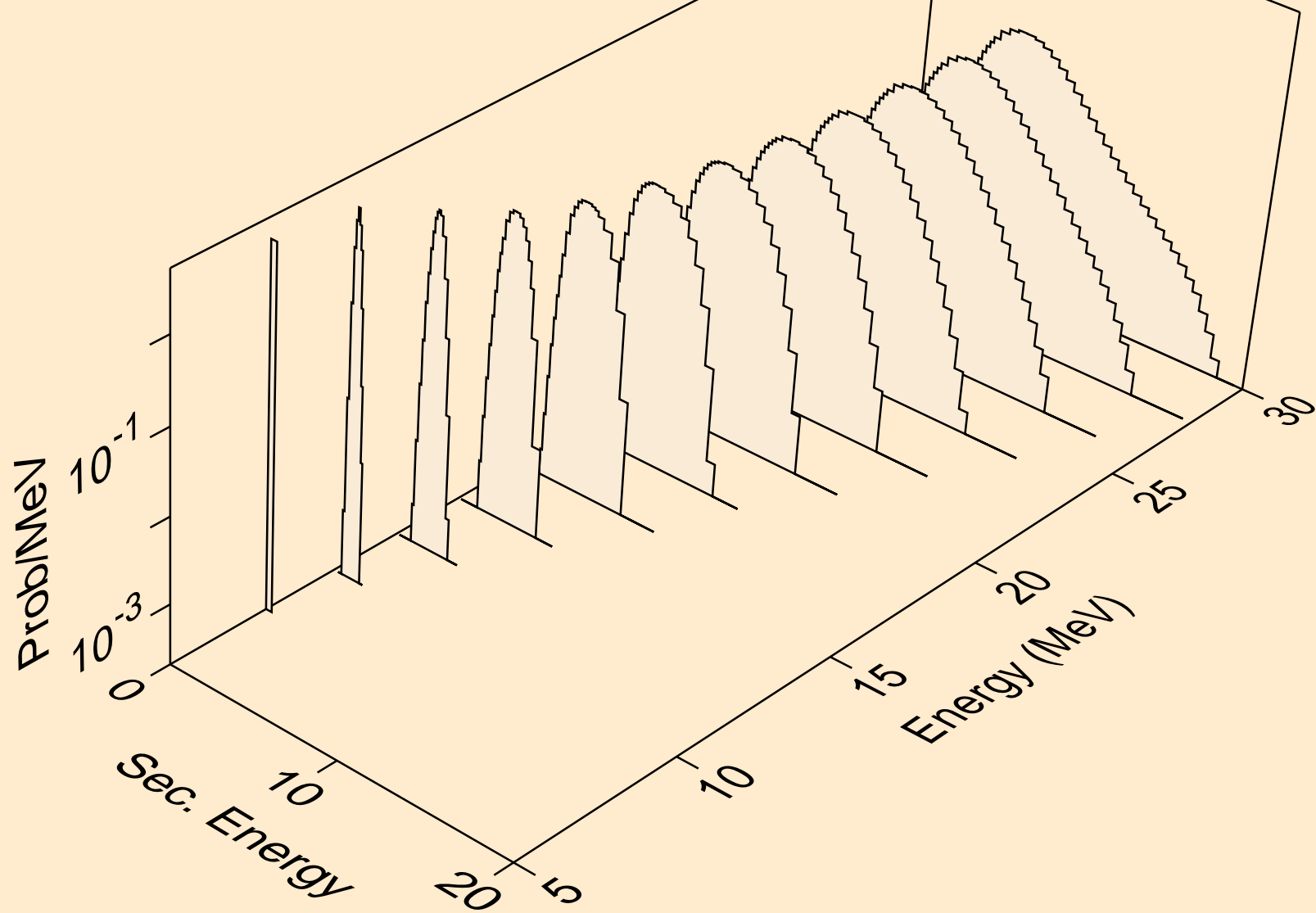


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protons from (n,2np)

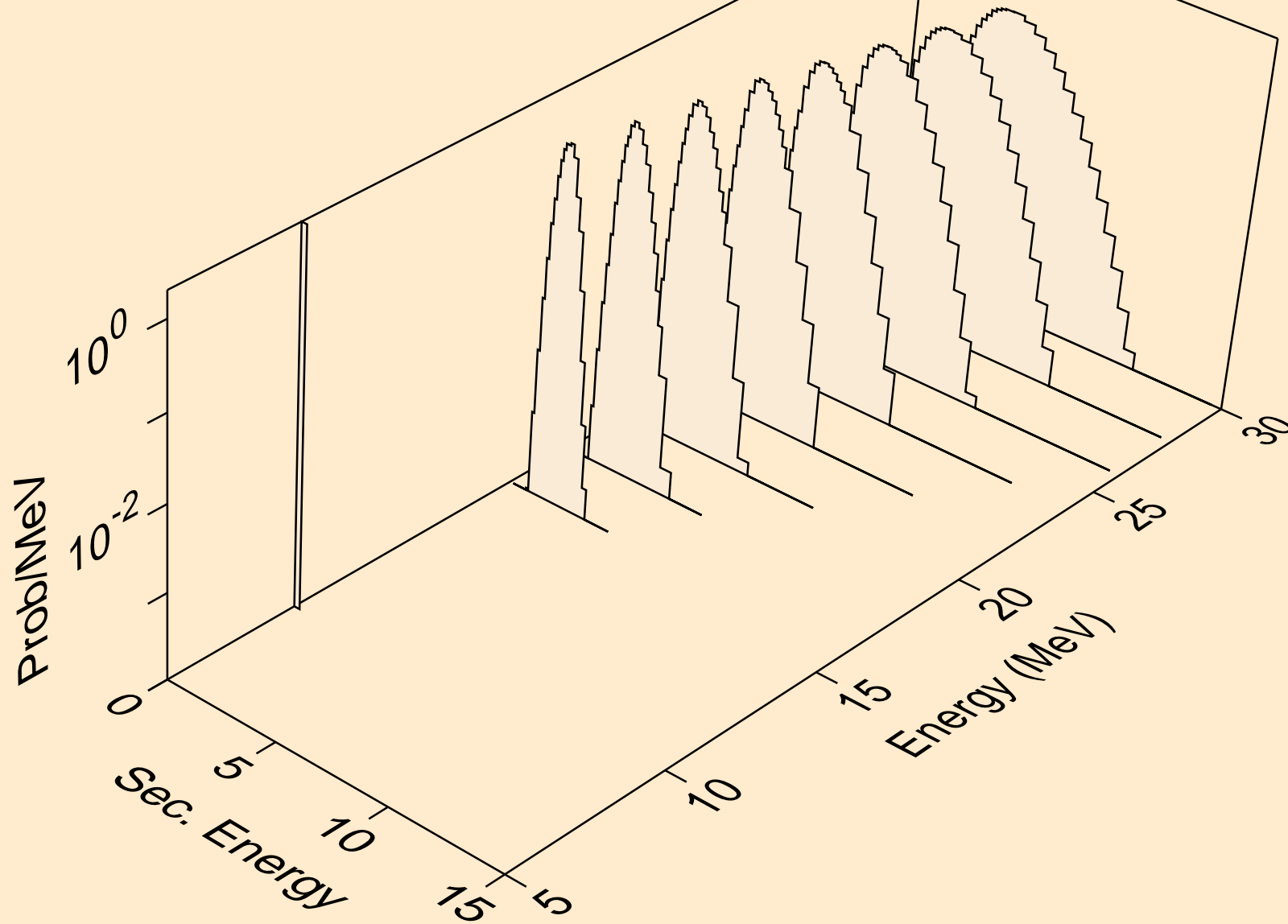




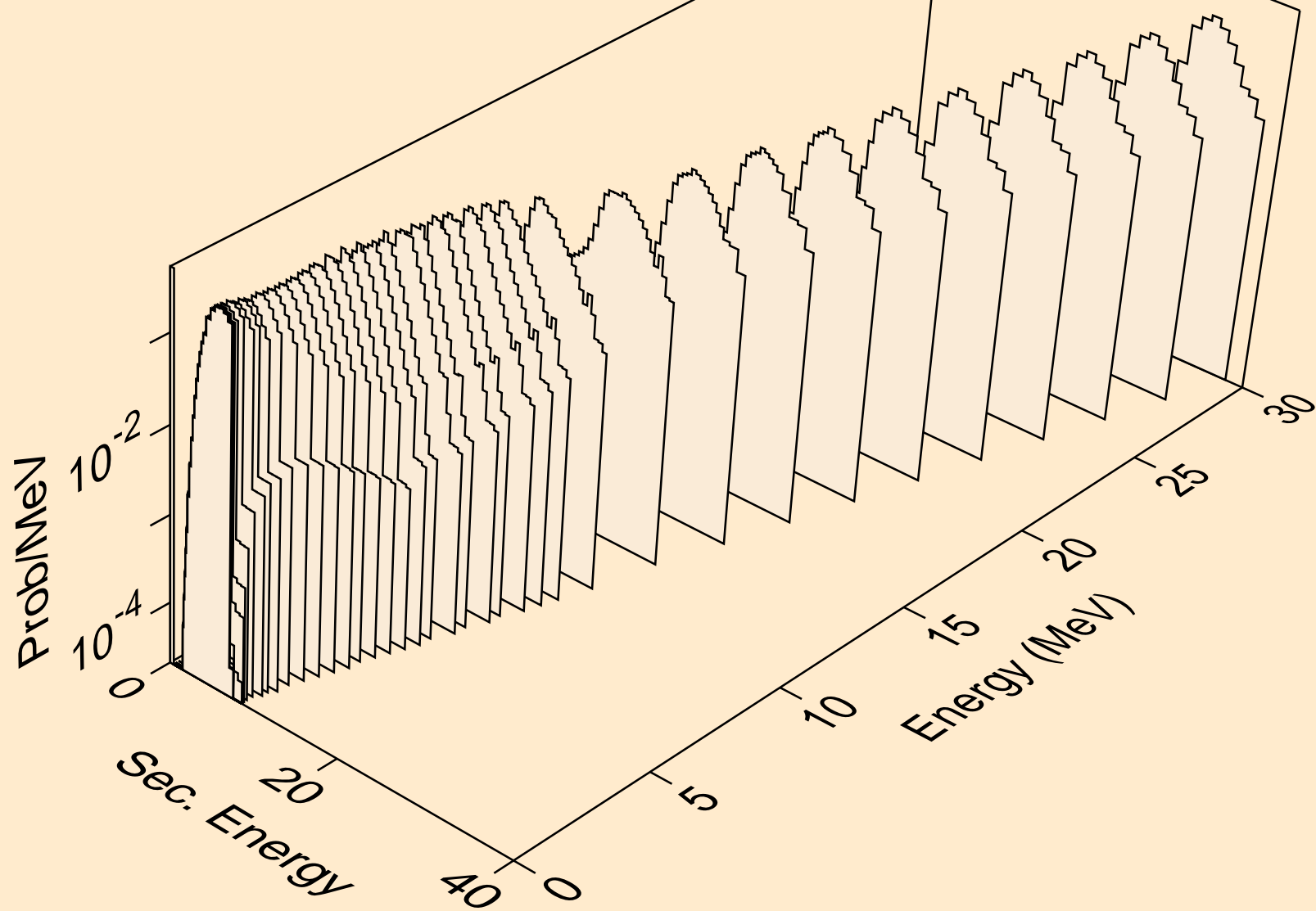
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protons from (n,n2p)



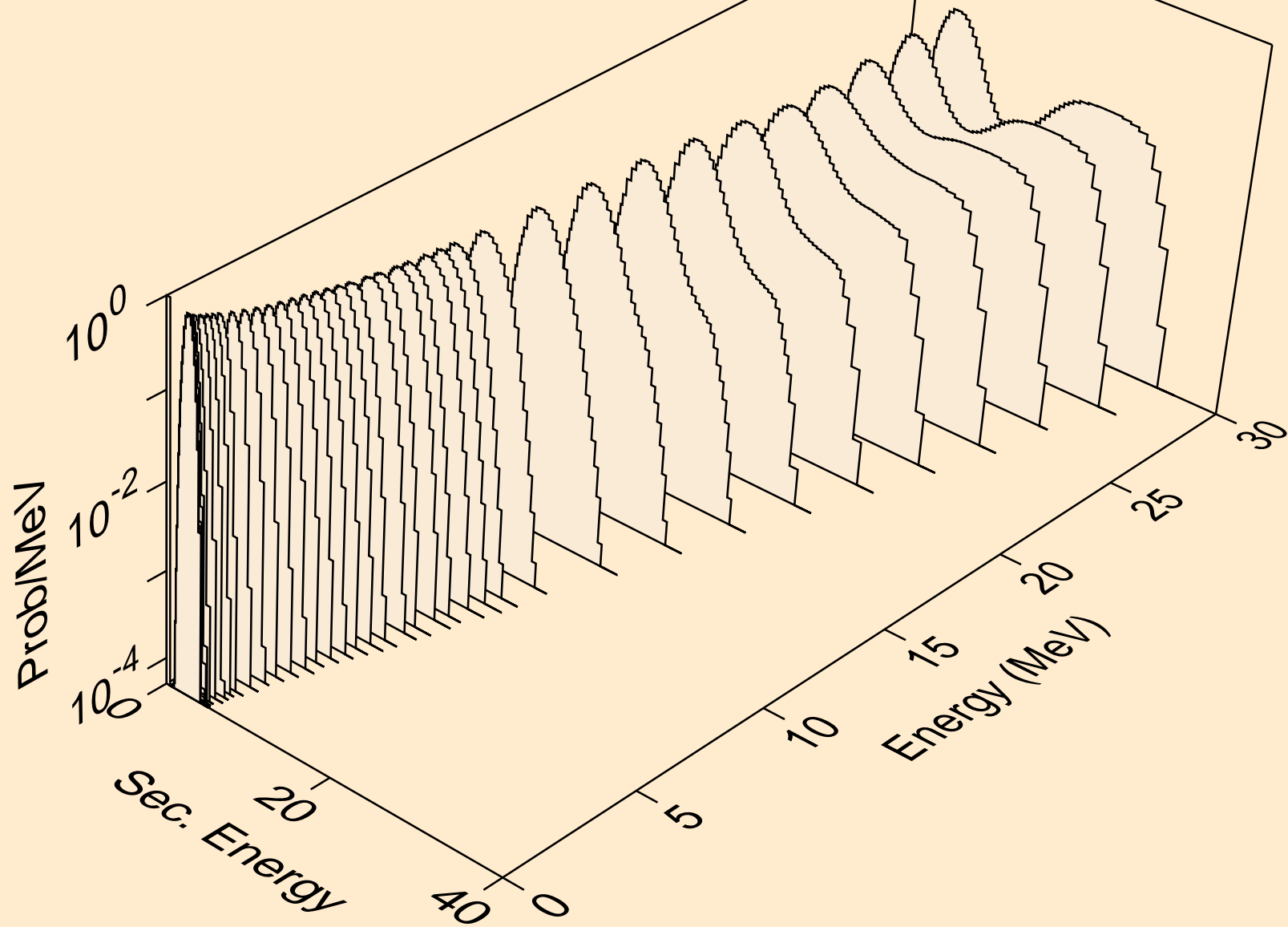
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protons from (n,npa)



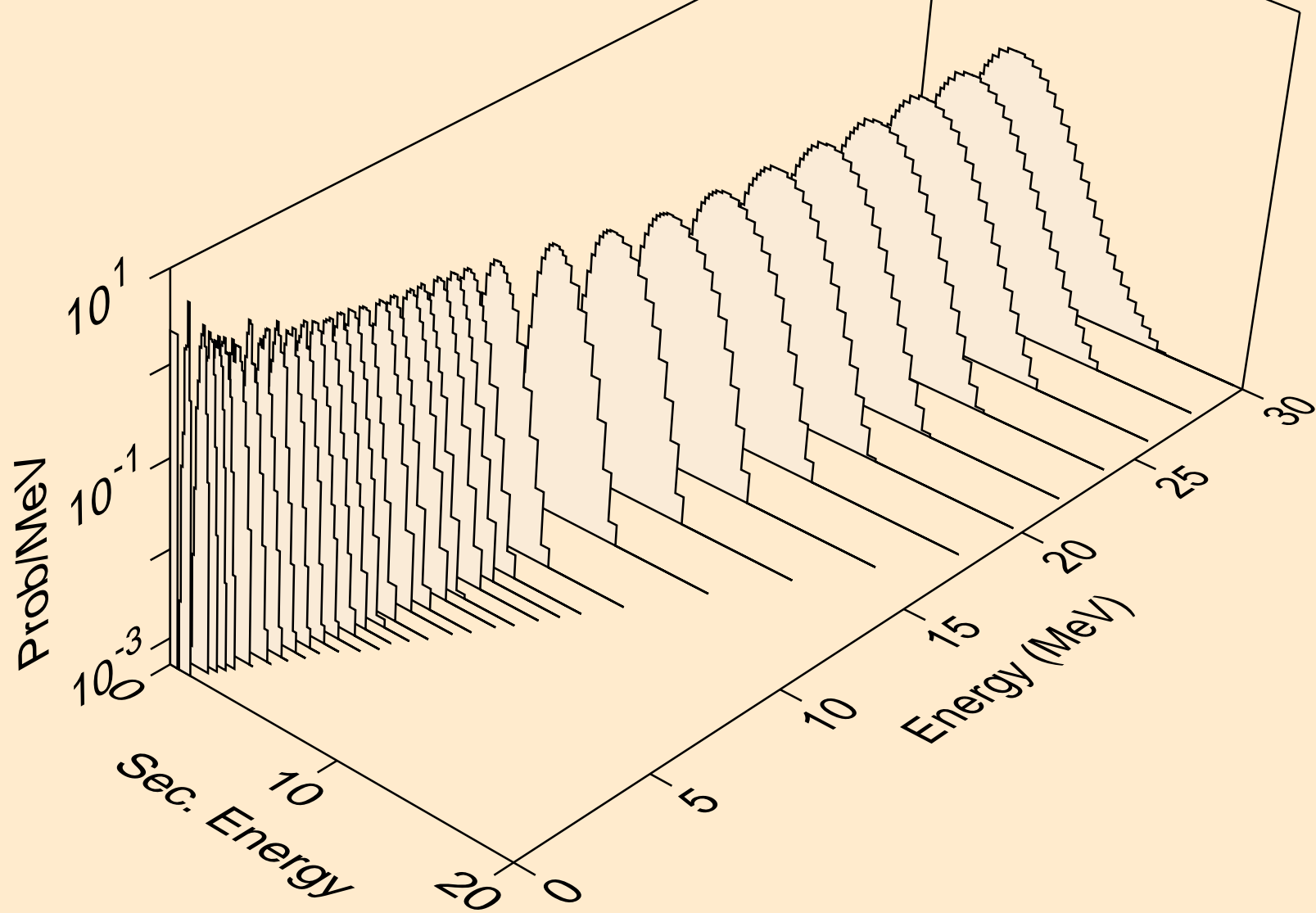
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protons from (n,p)



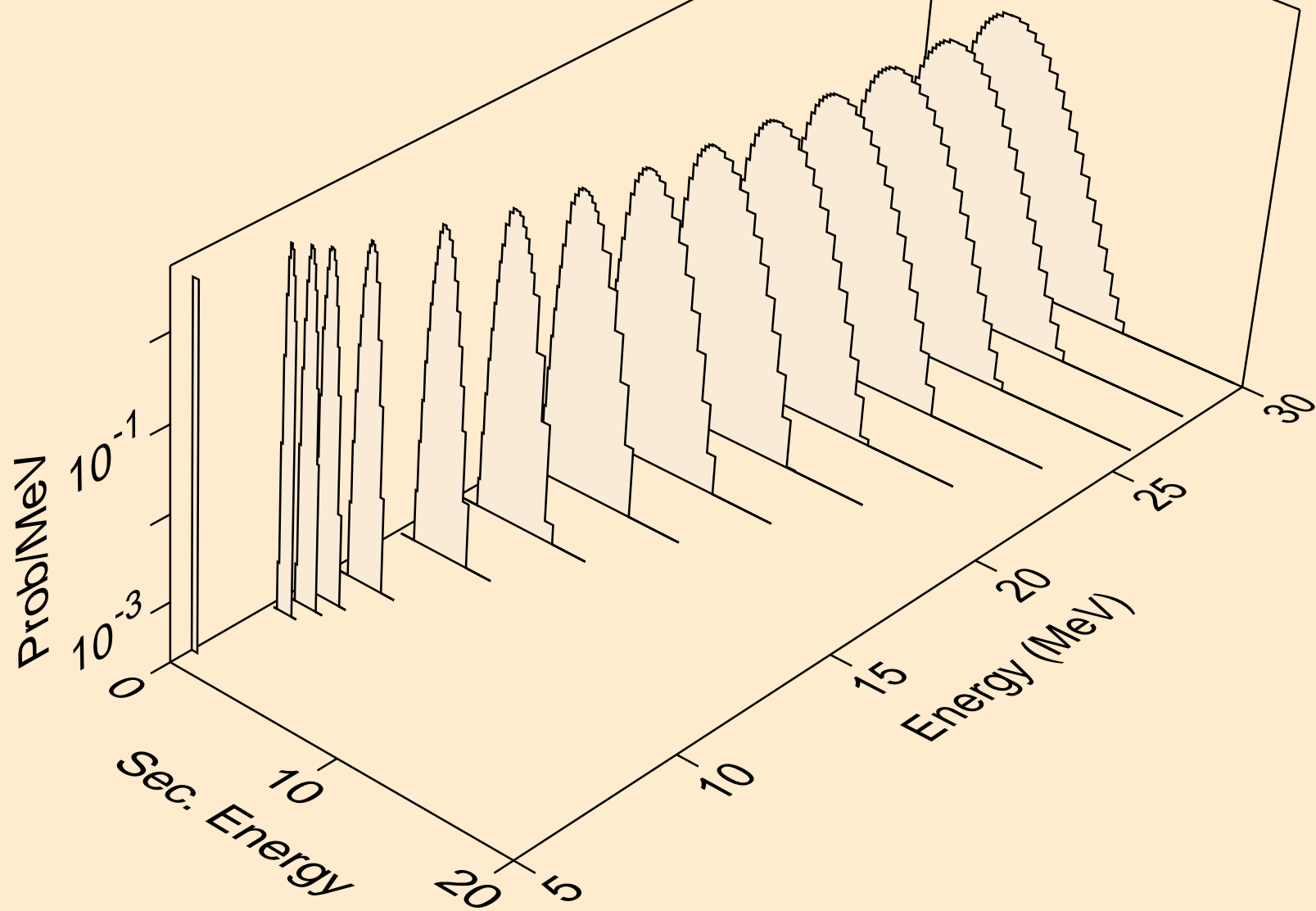
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protons from (n,2p)



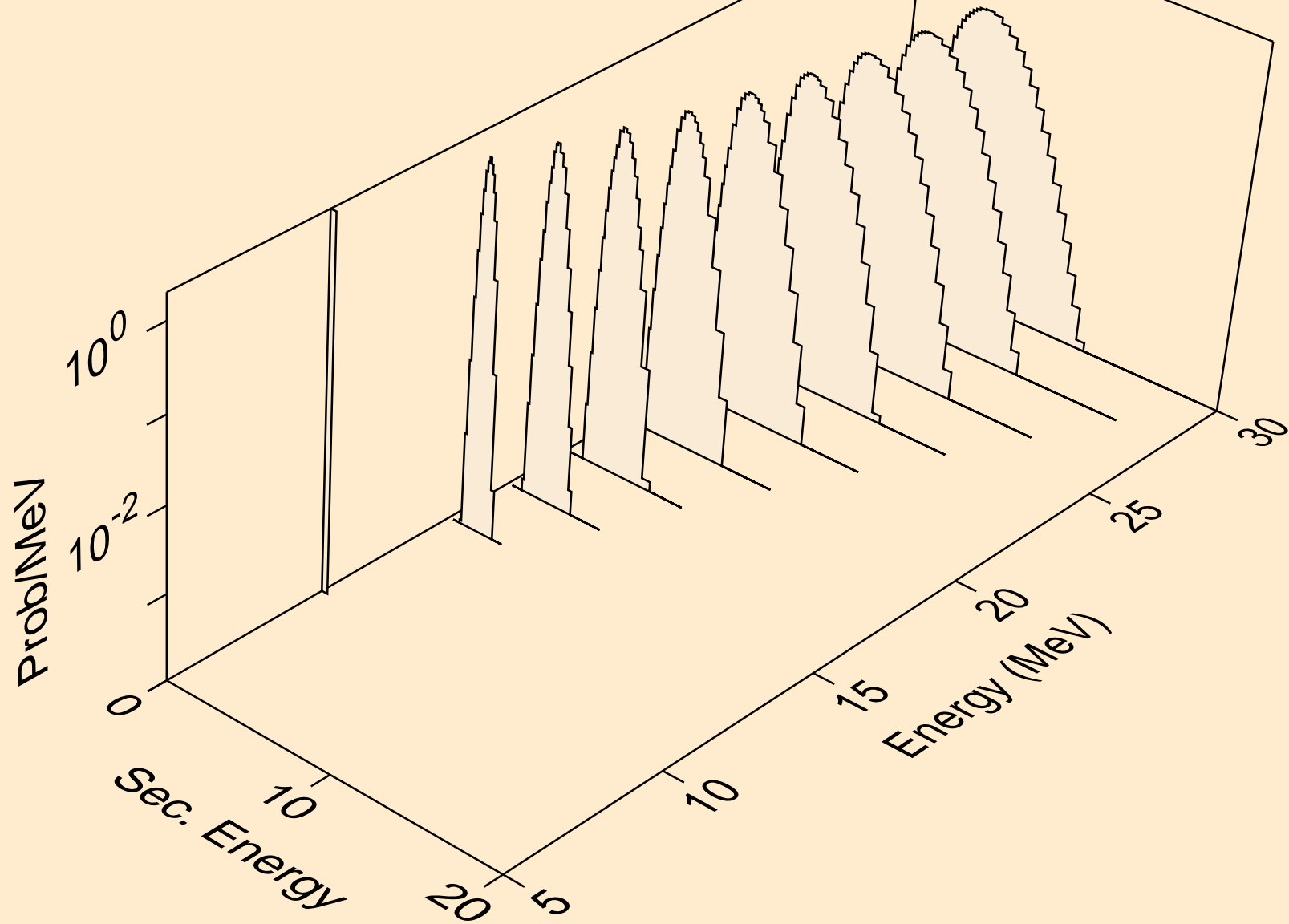
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protons from (n,p)



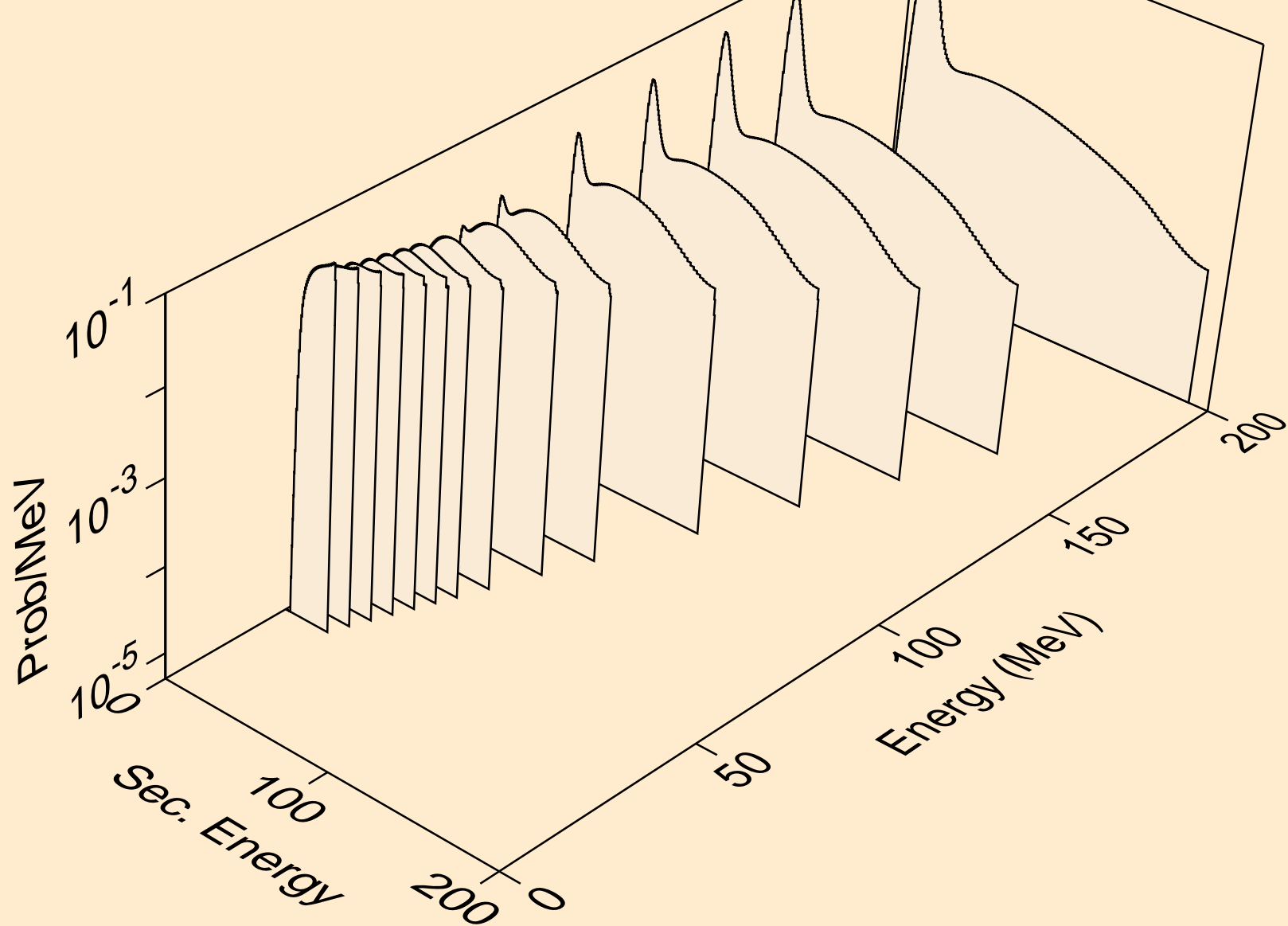
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protons from (n,pd)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

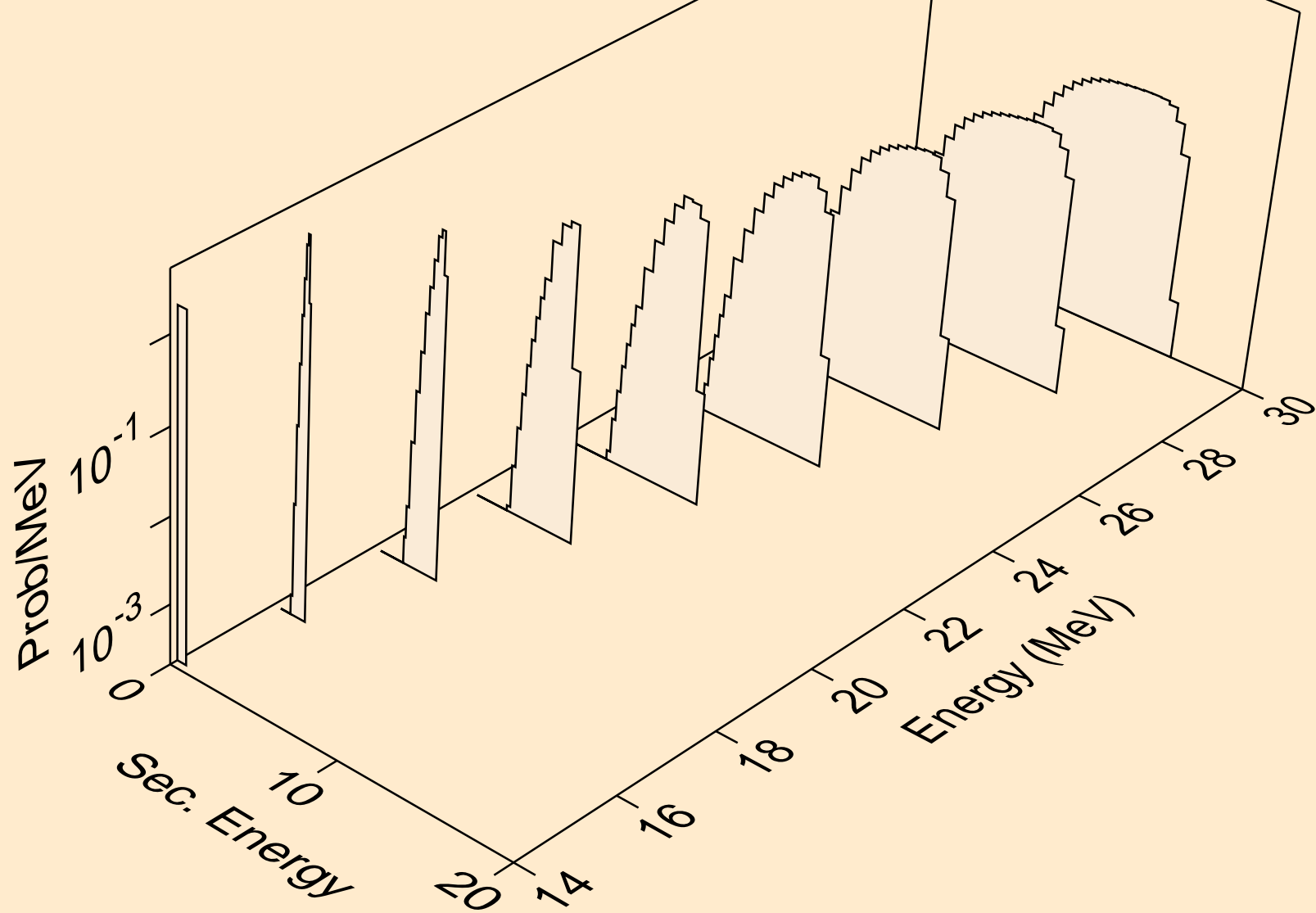


RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

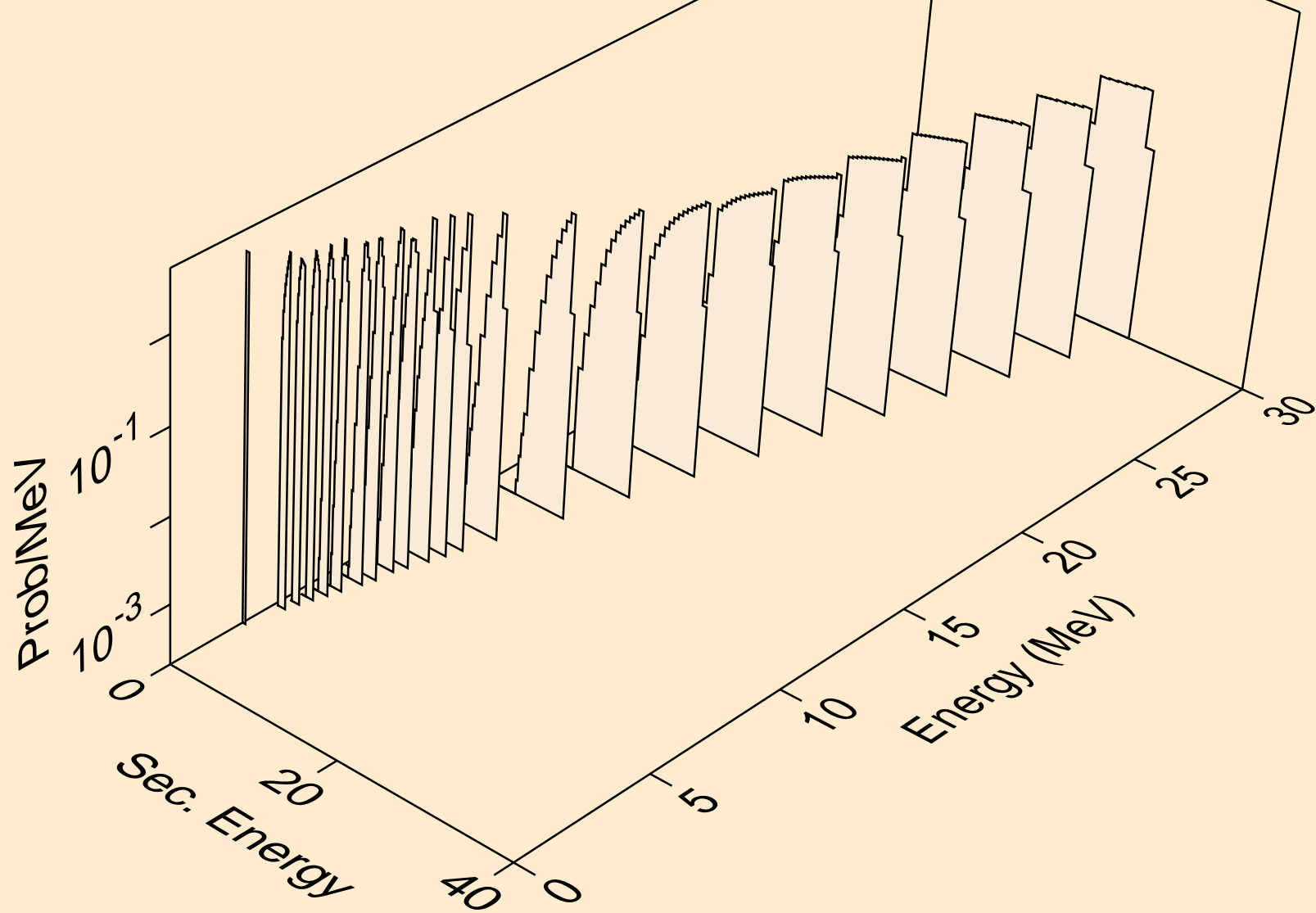




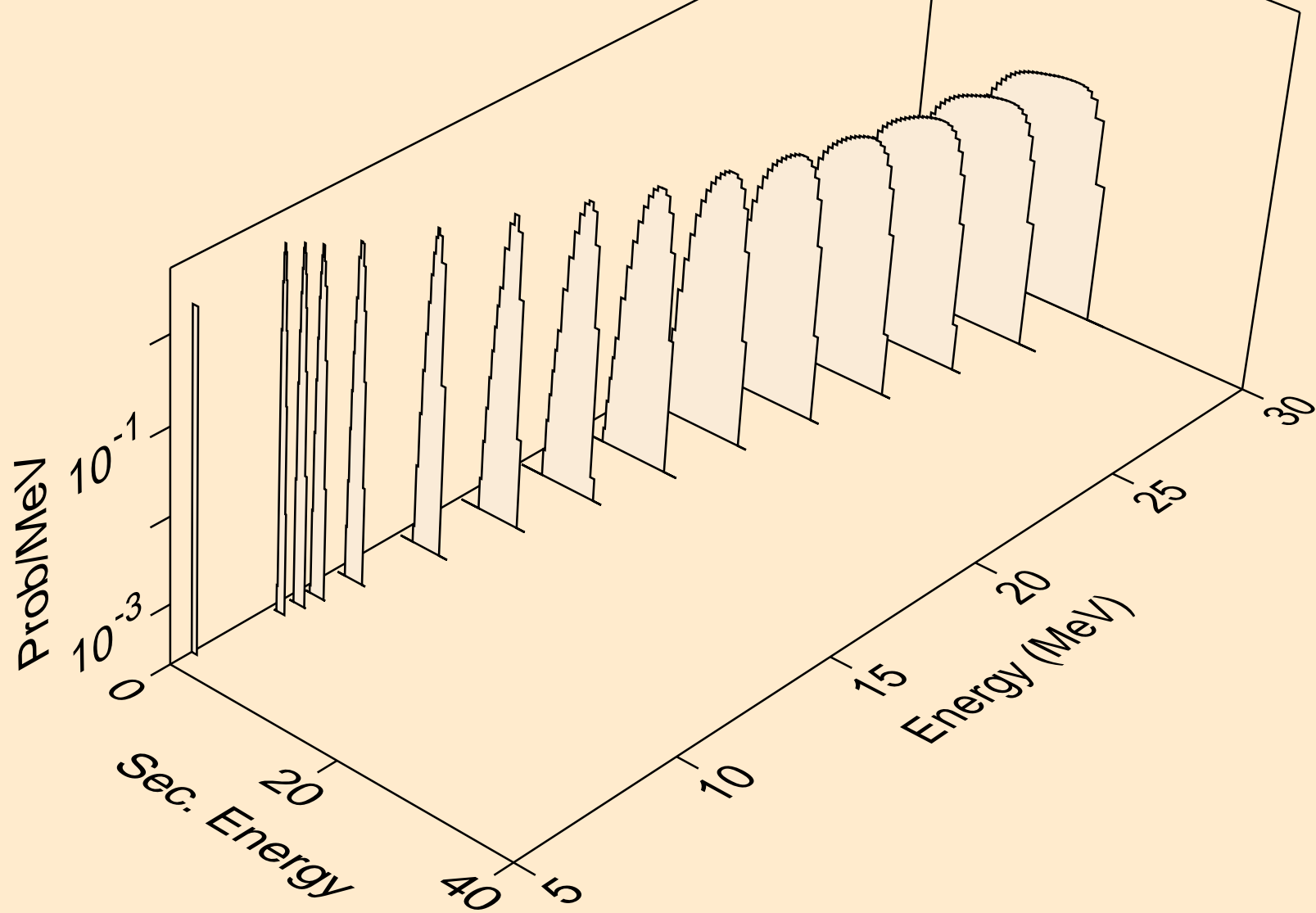
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deuterons from (n,n\*)d



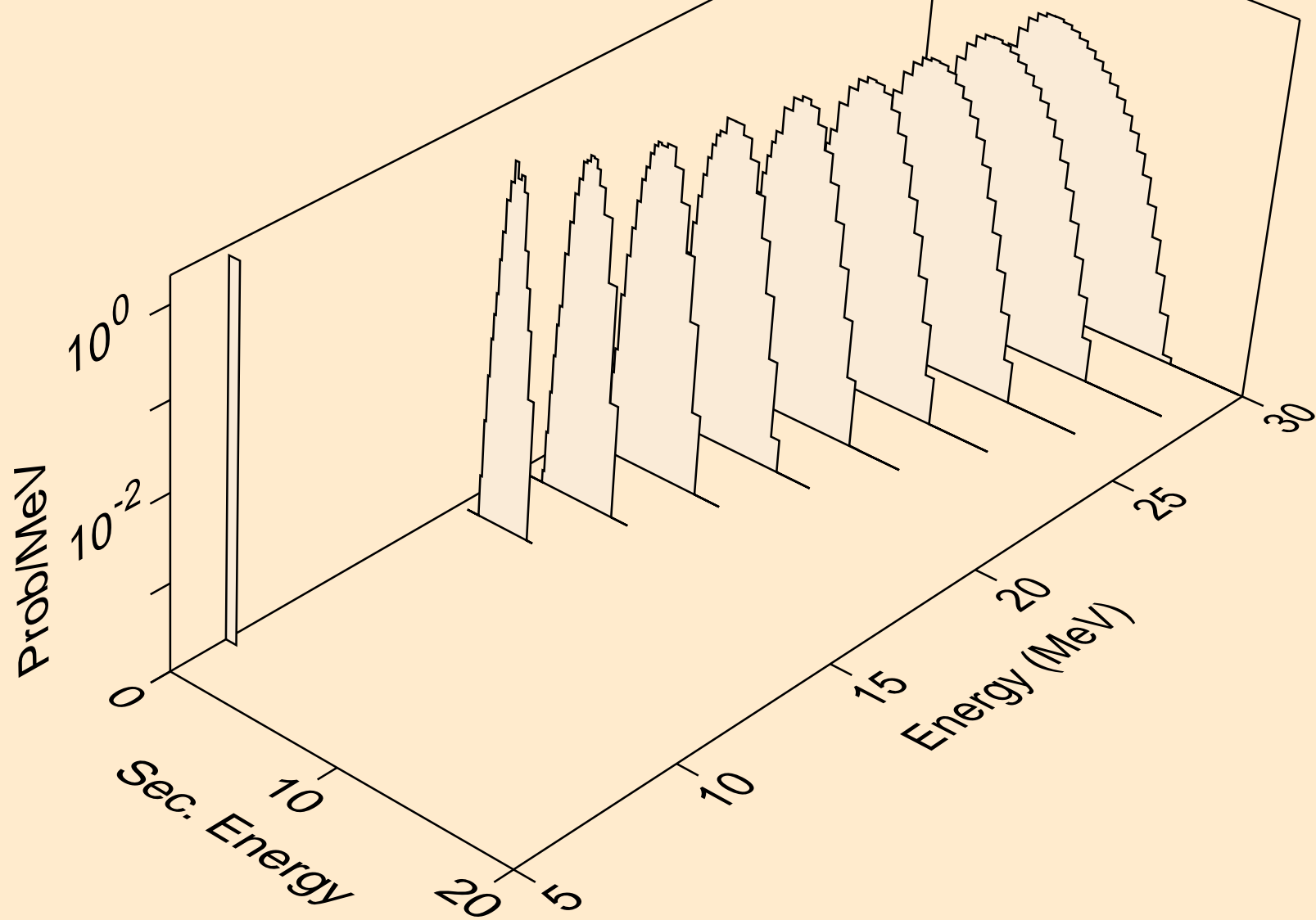
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deuterons from (n,d)



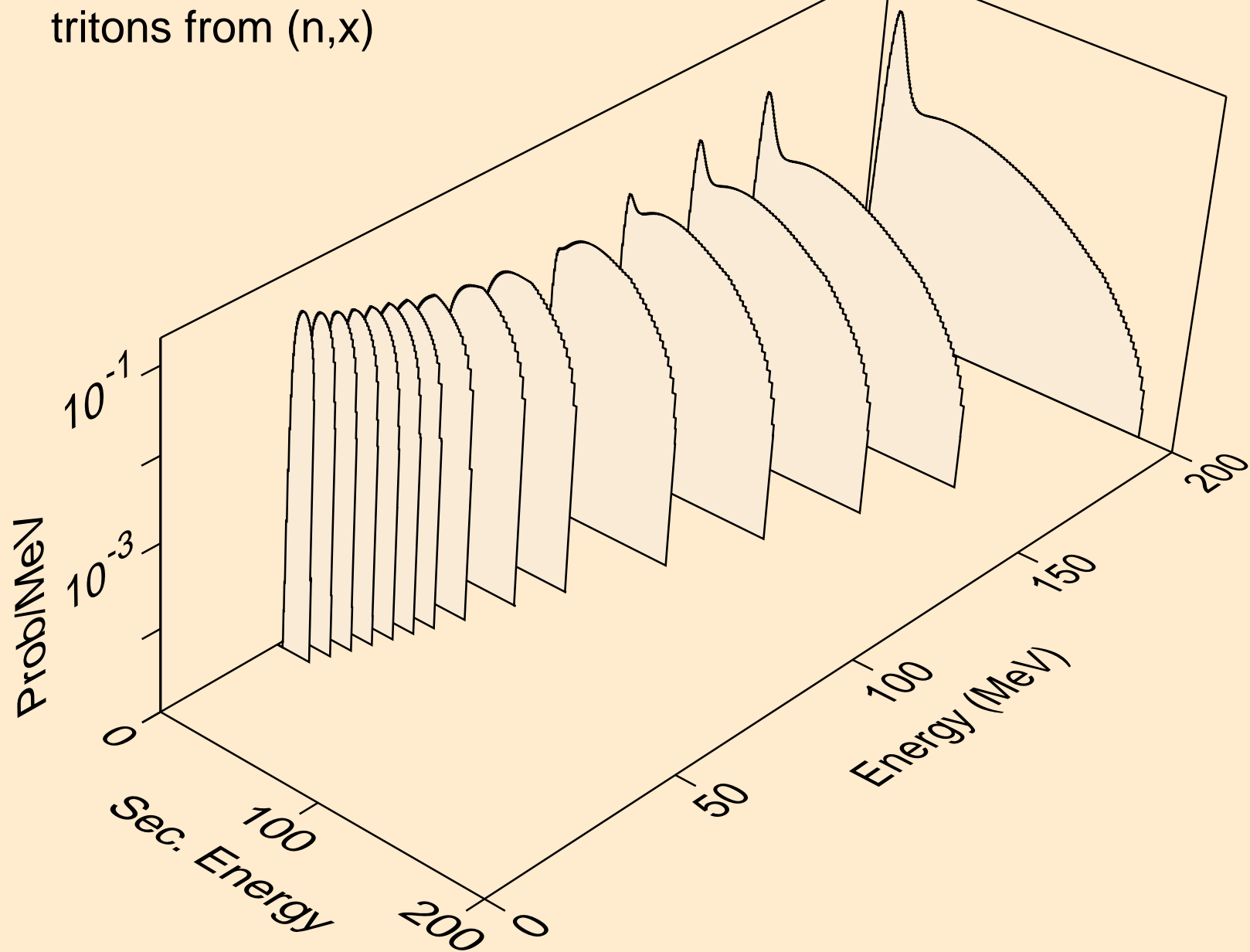
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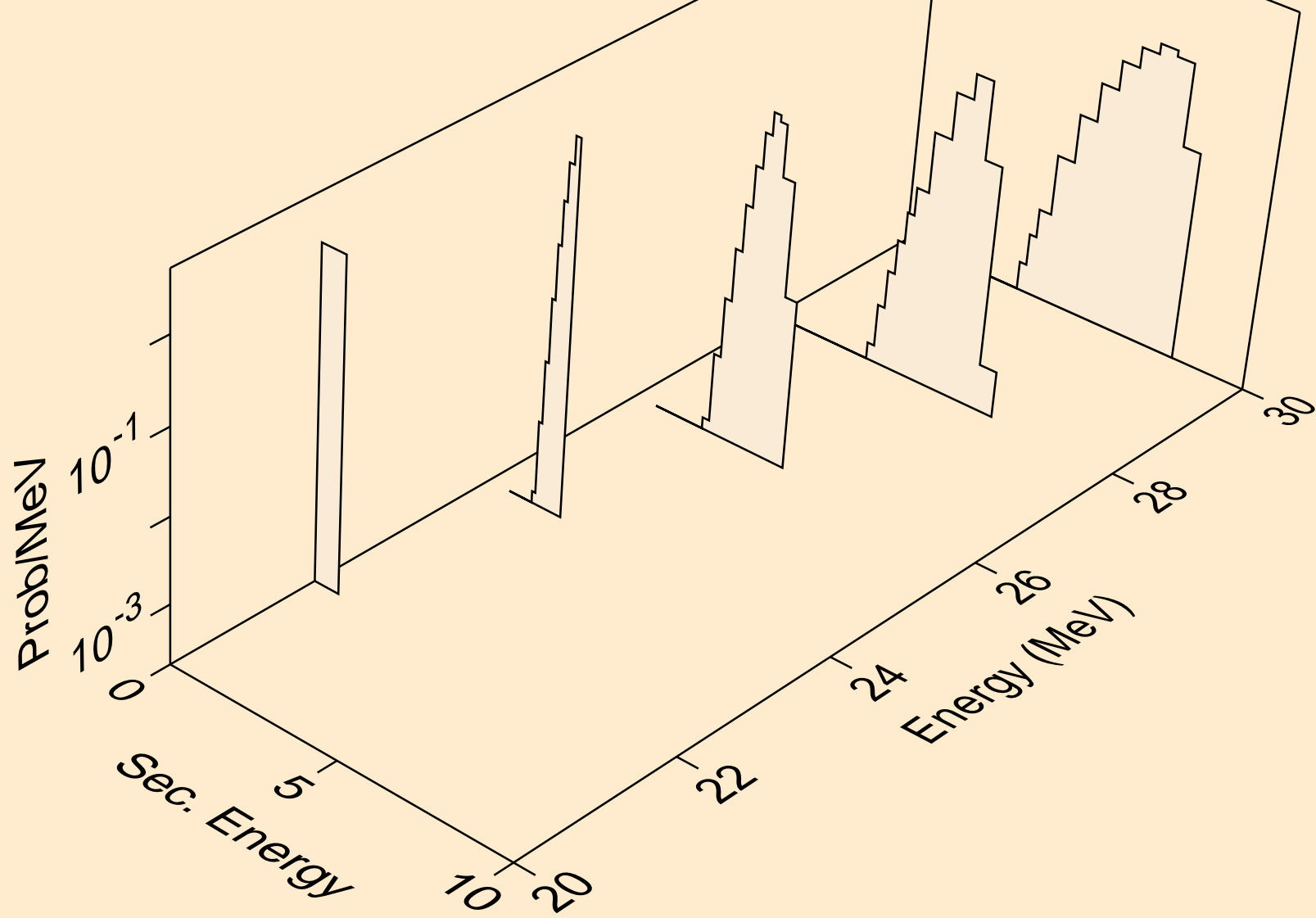
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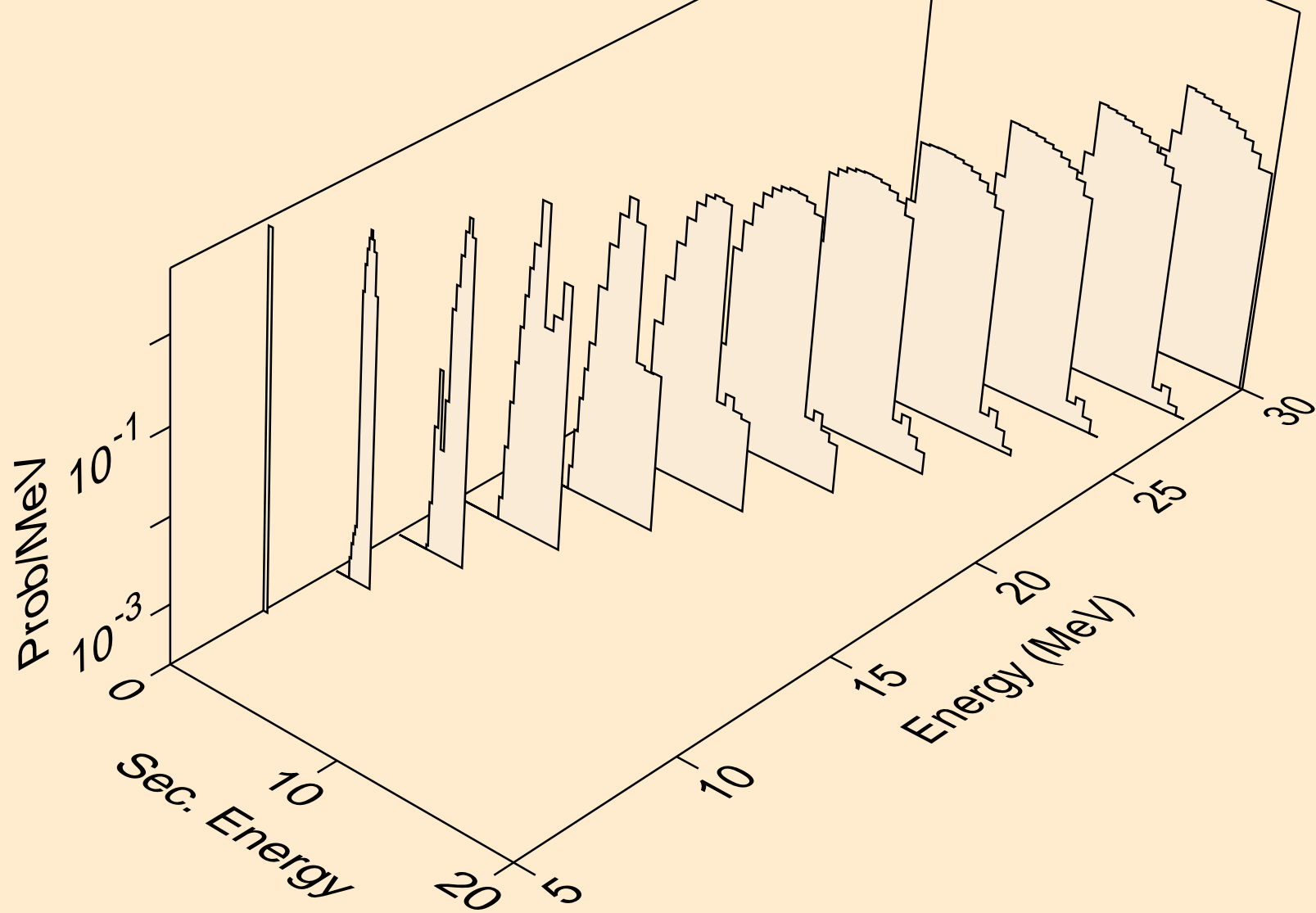
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tritons from (n,x)



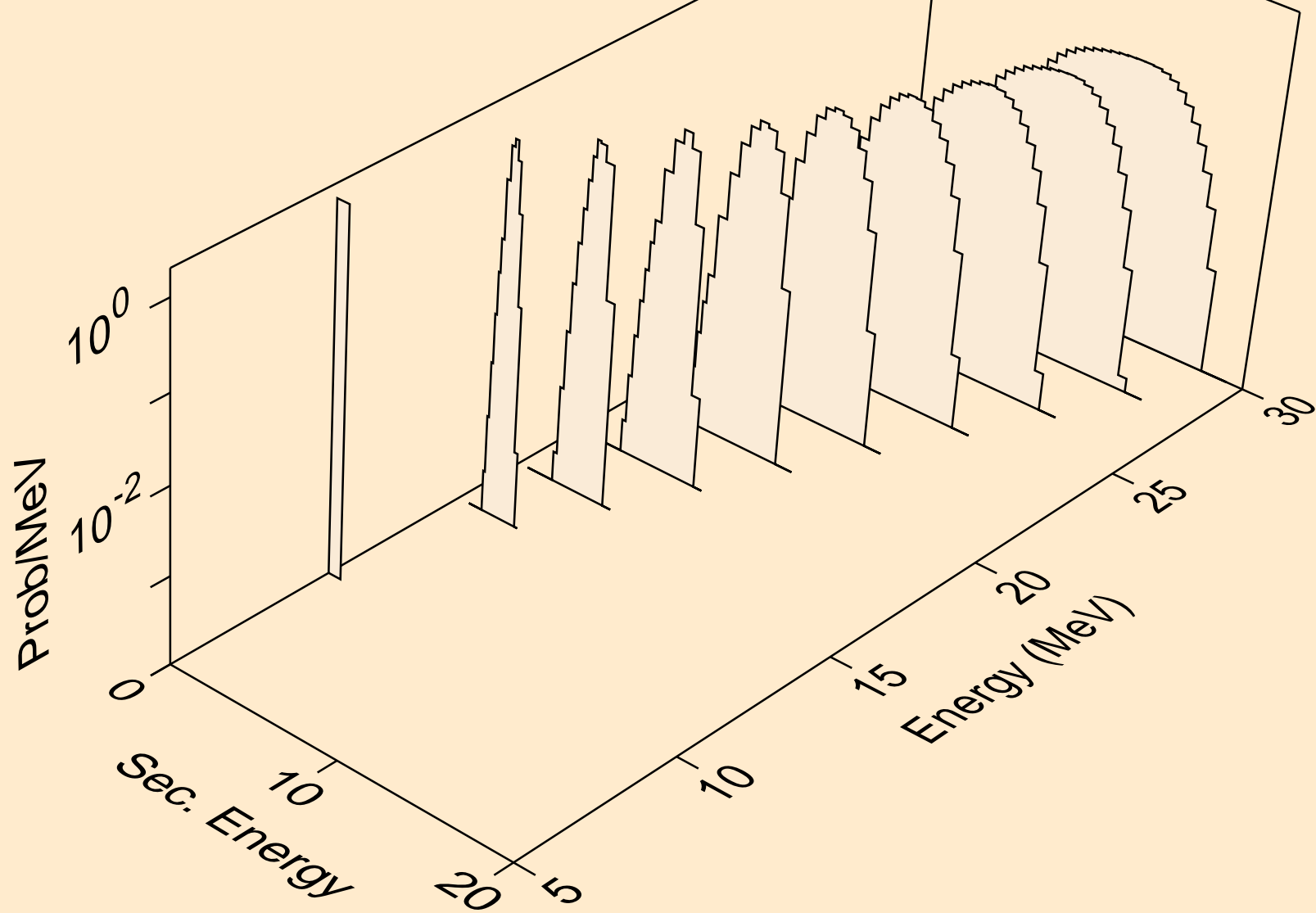
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

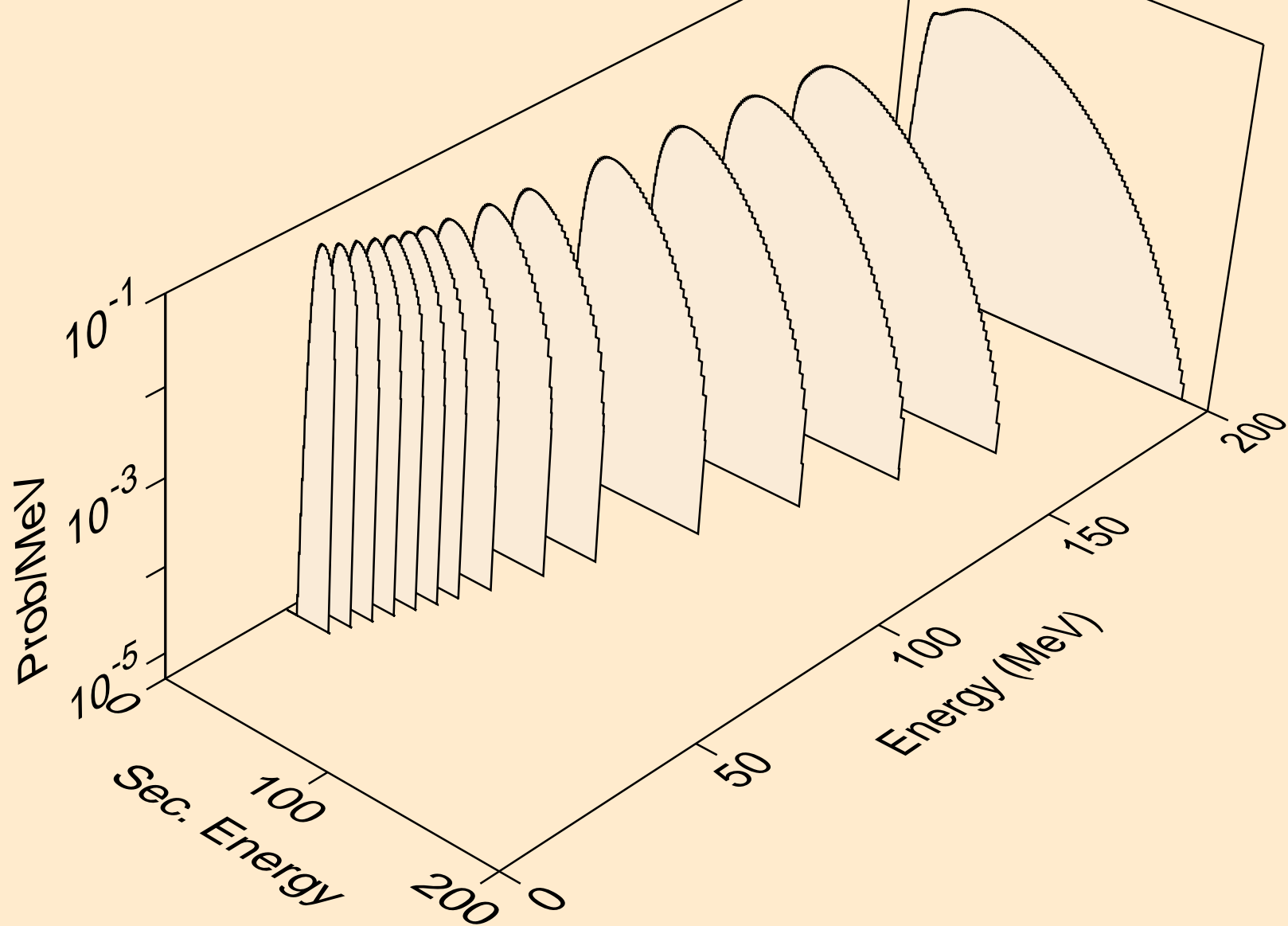


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tritons from (n,pt)

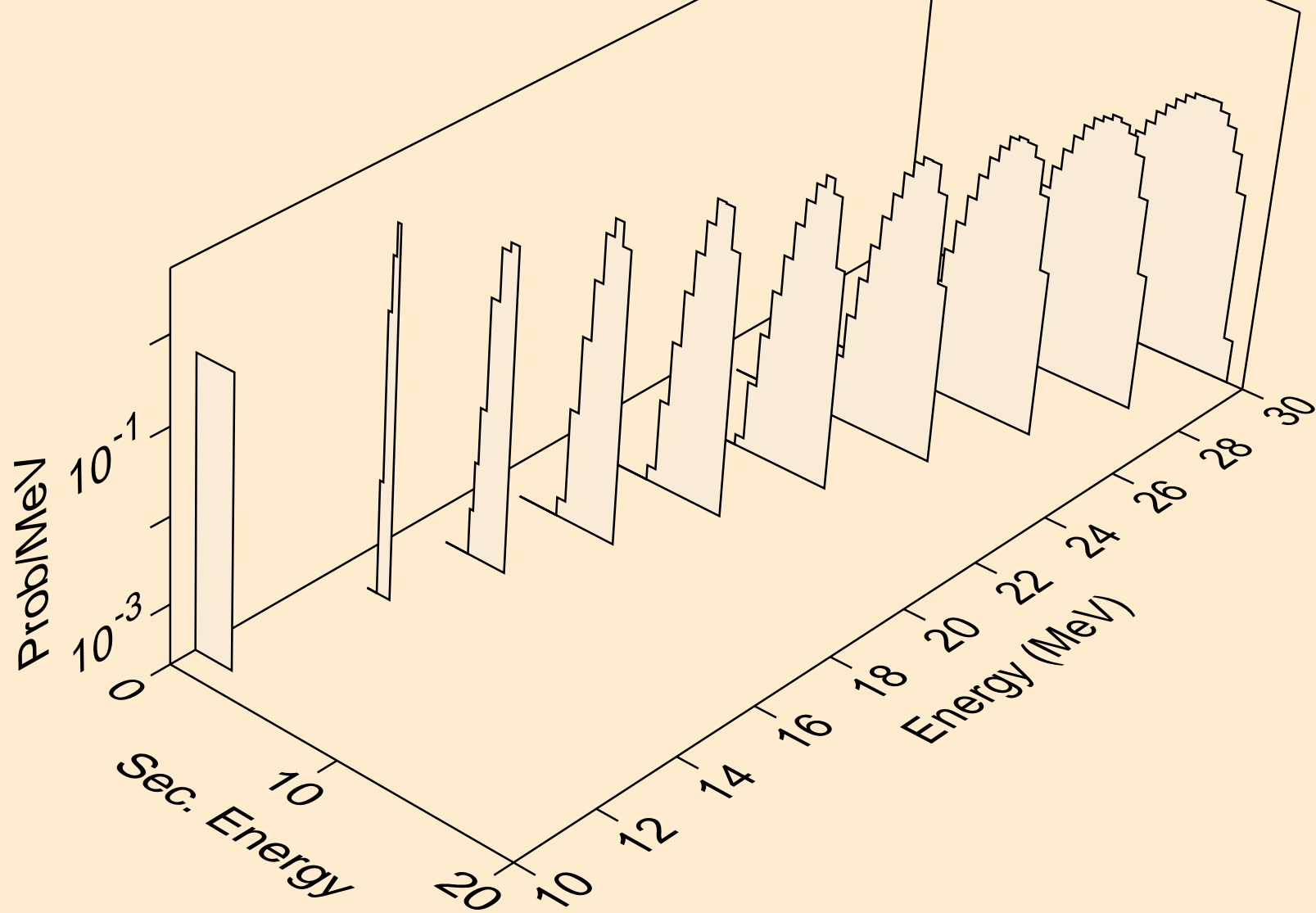




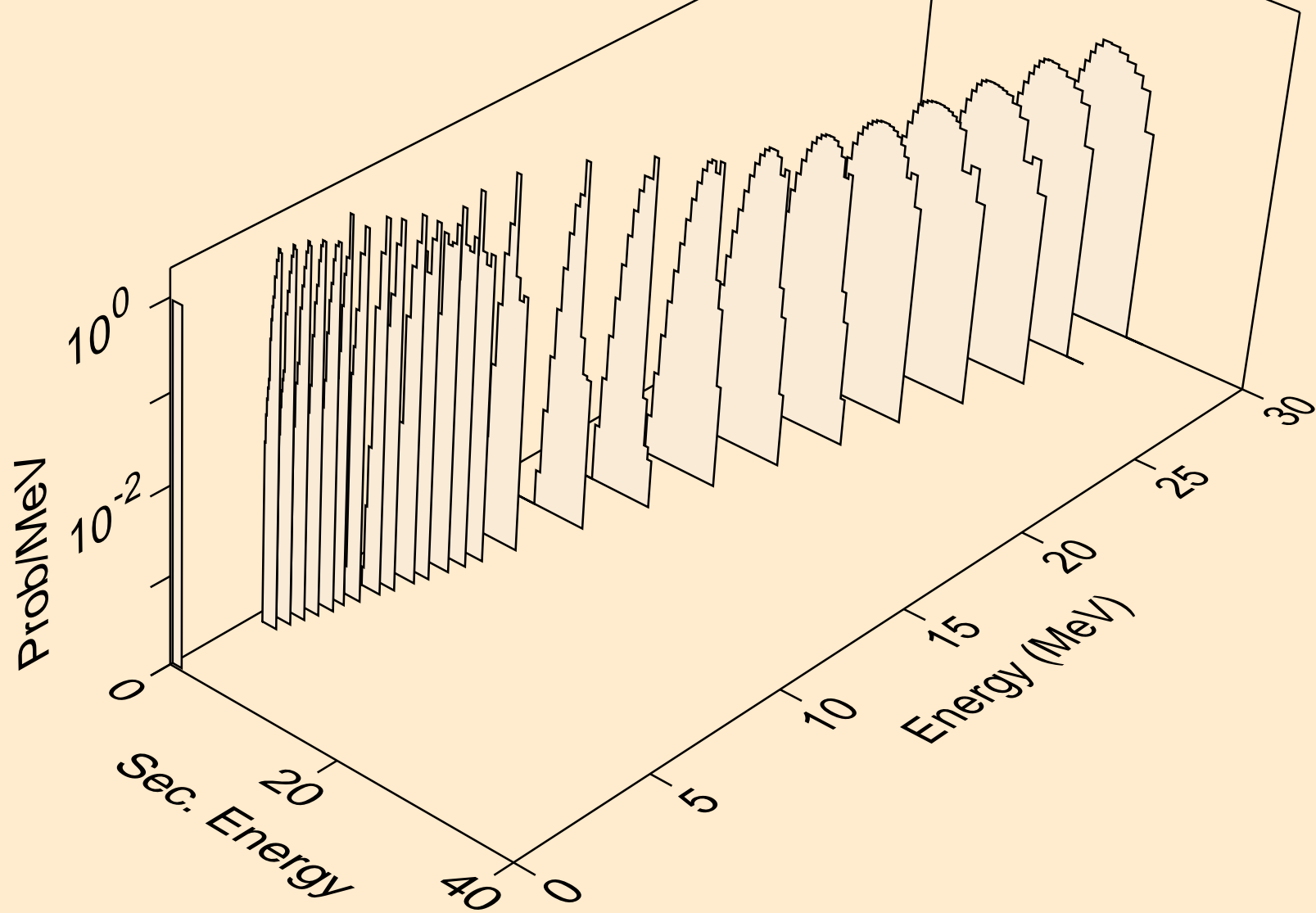
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he3s from (n,x)



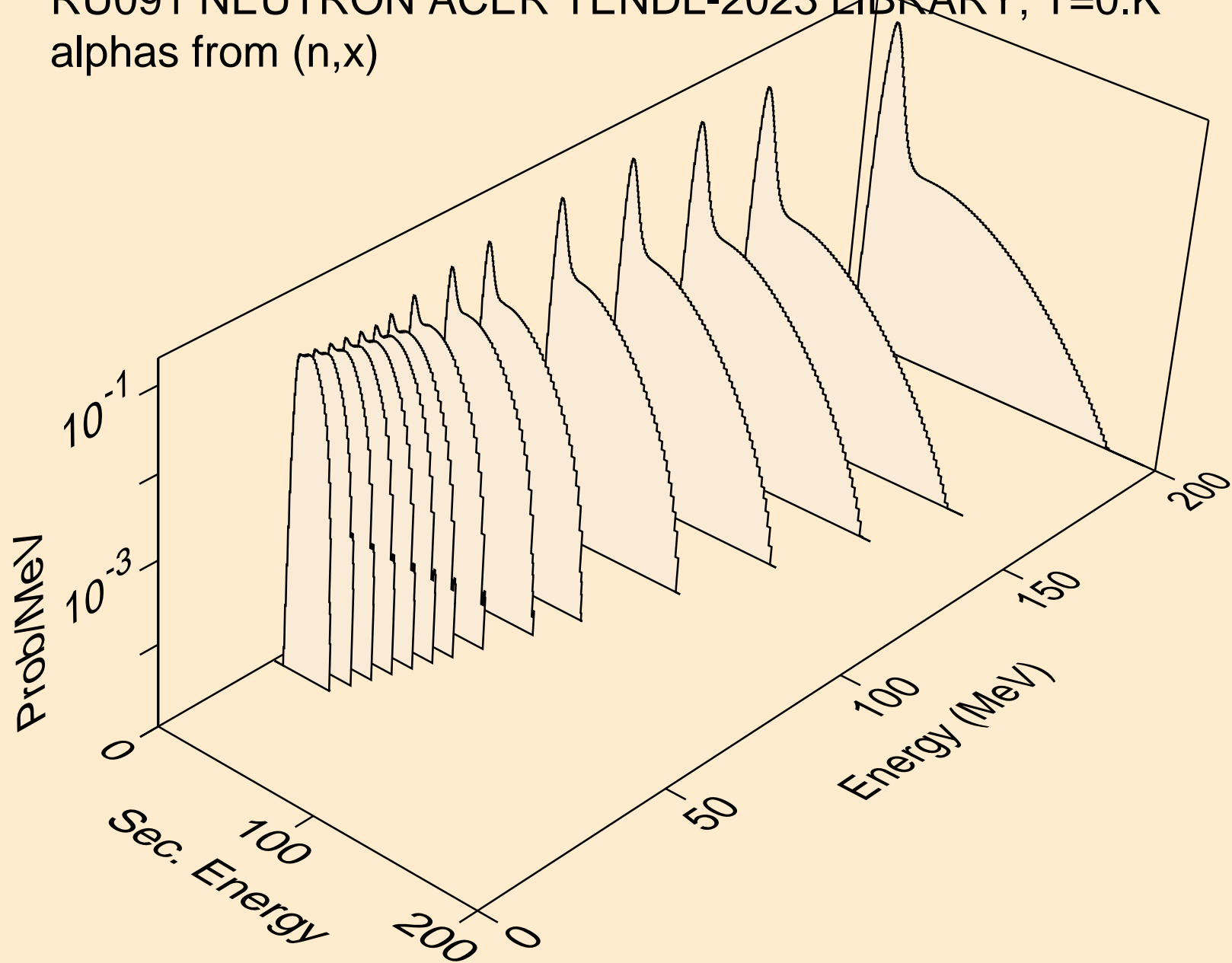
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he3s from (n,n\*)he3



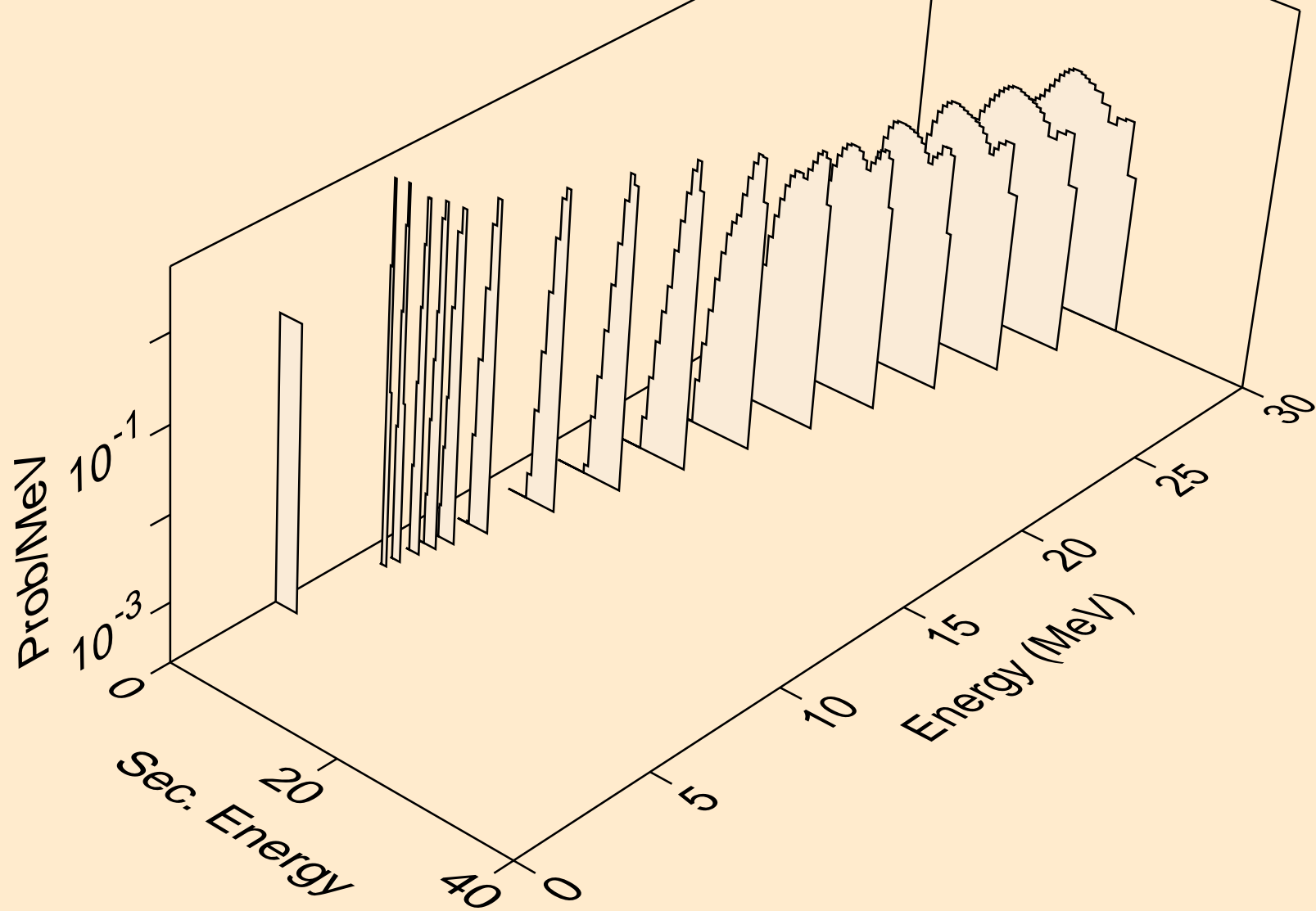
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he3s from (n,he3)



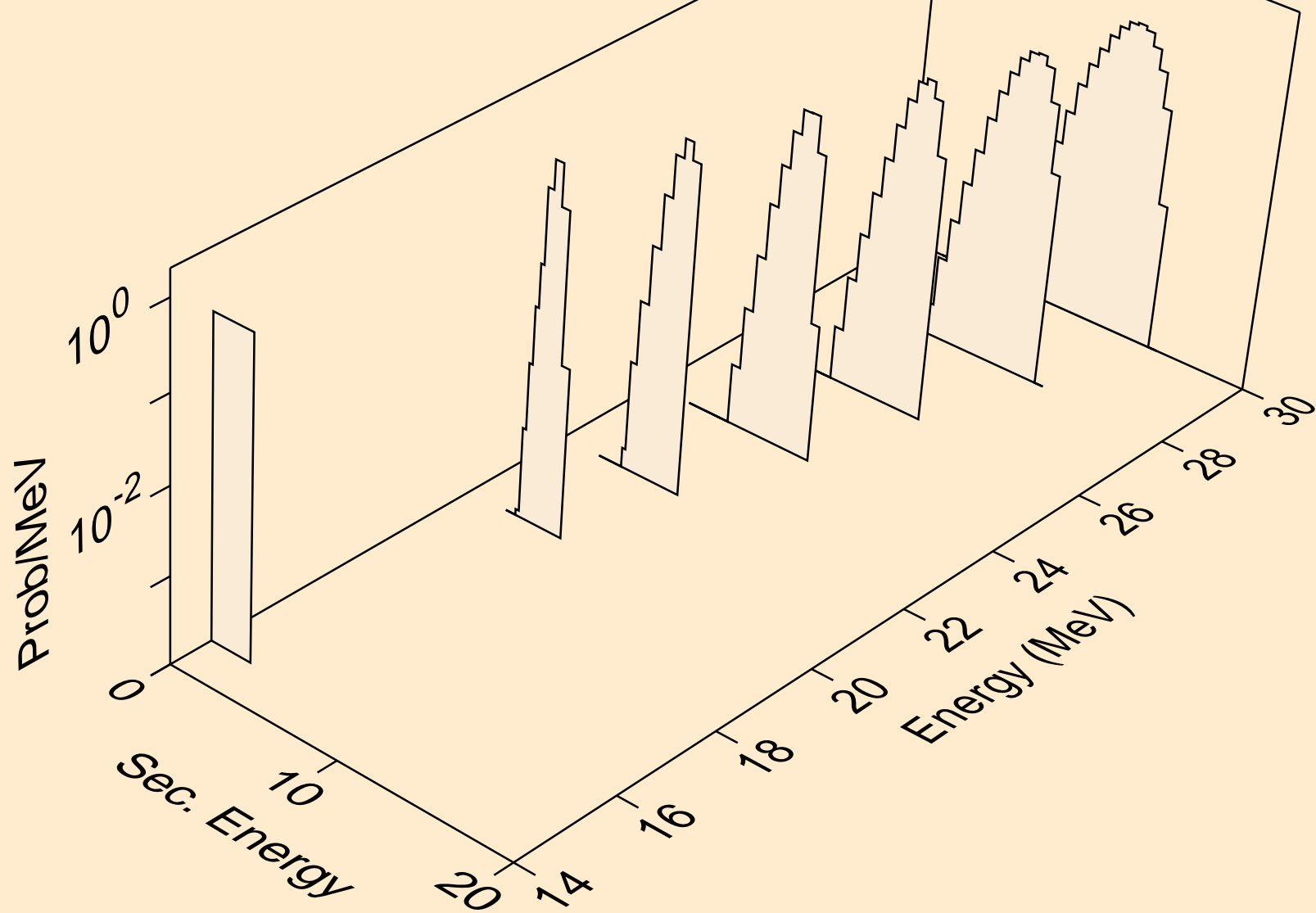
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alphas from (n,x)



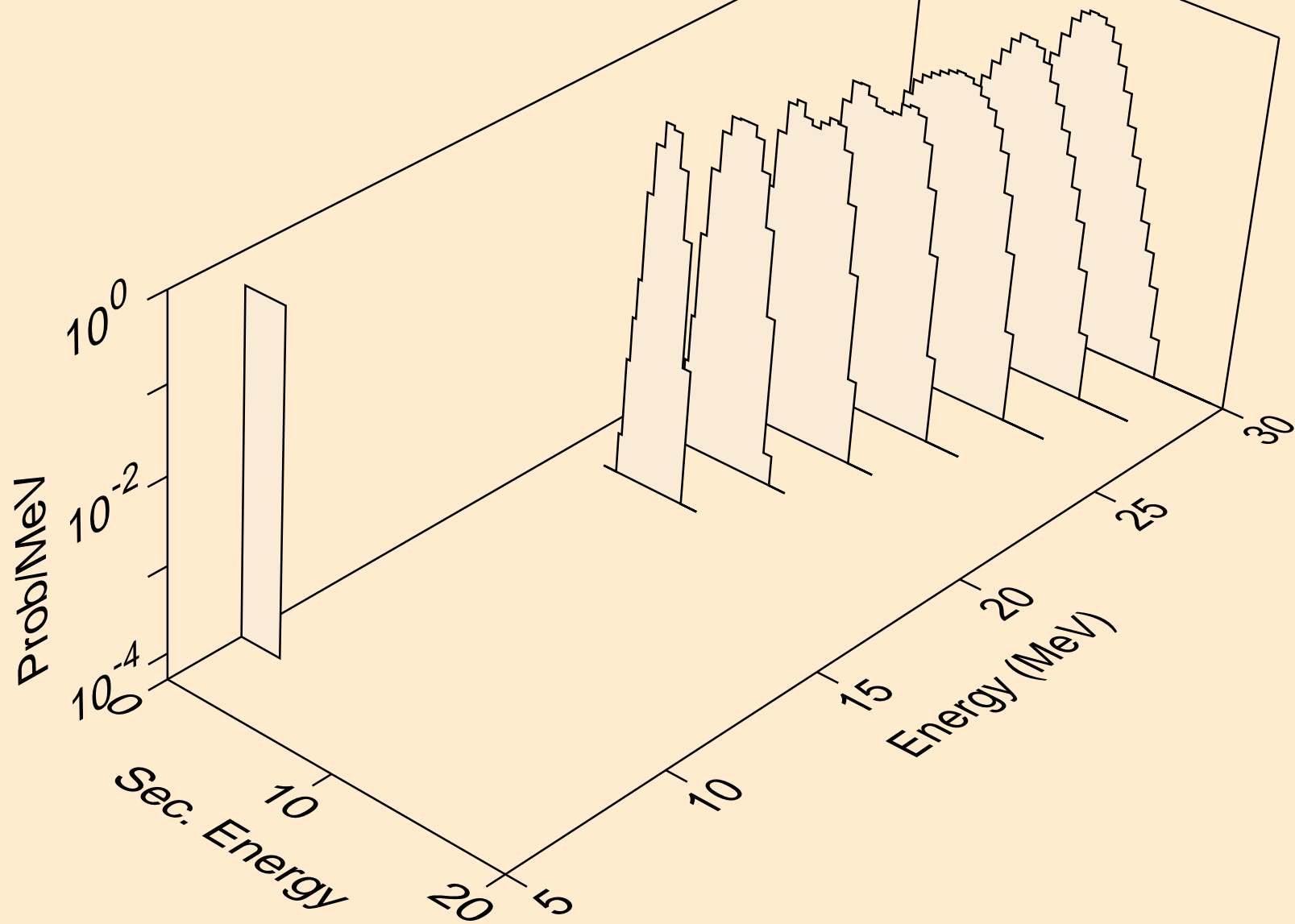
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alphas from (n,n\*)a



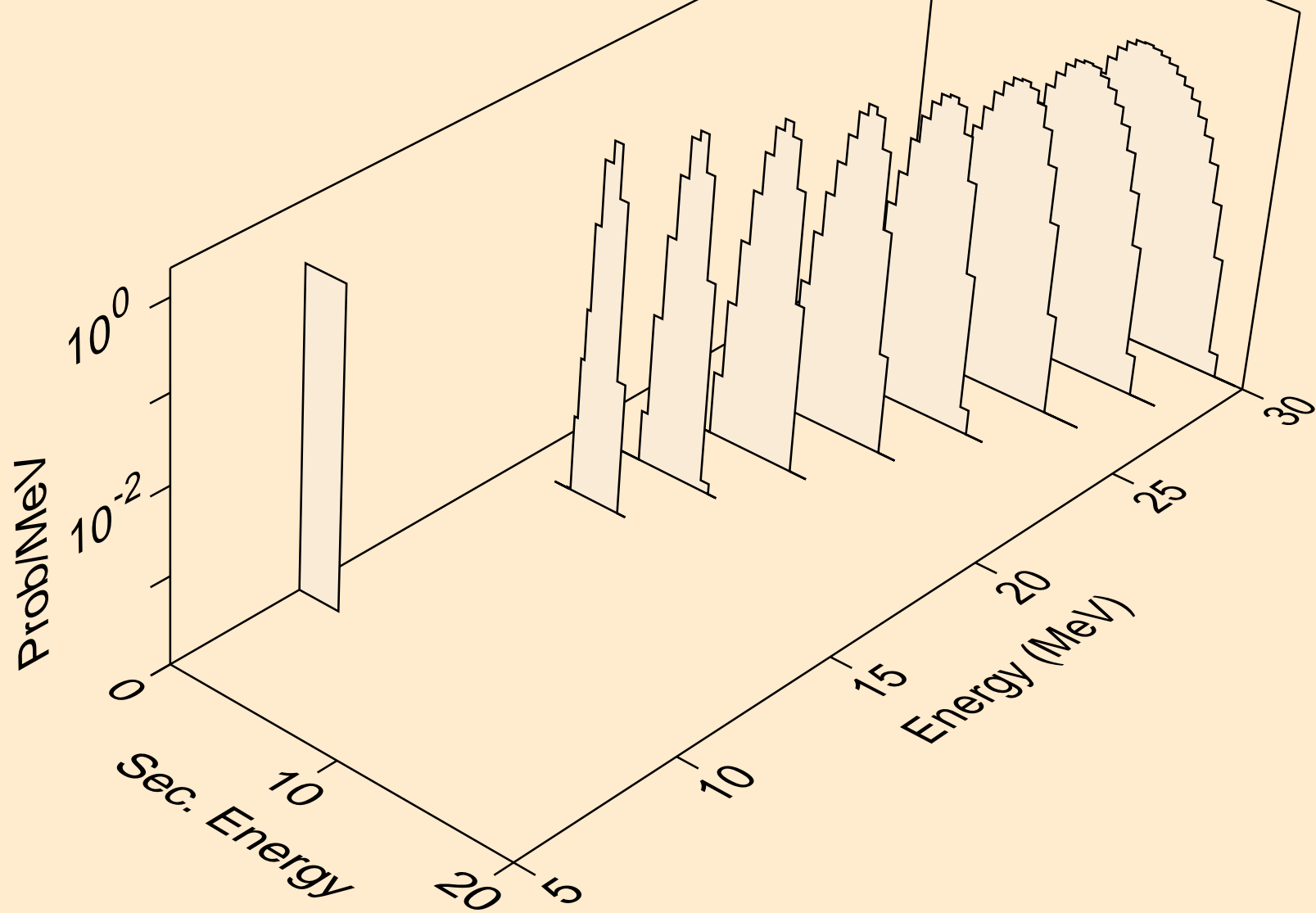
RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

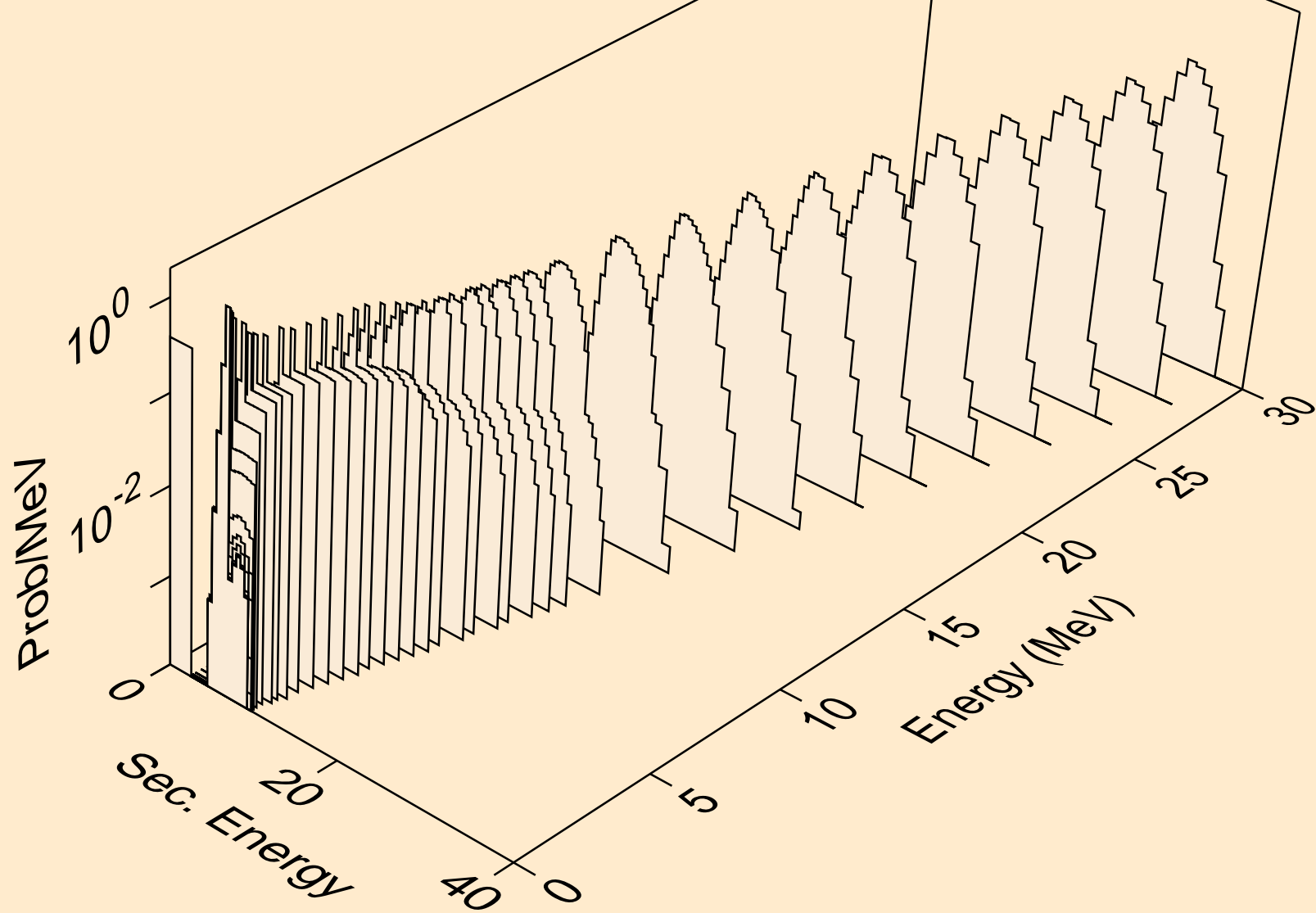


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alphas from (n,npa)

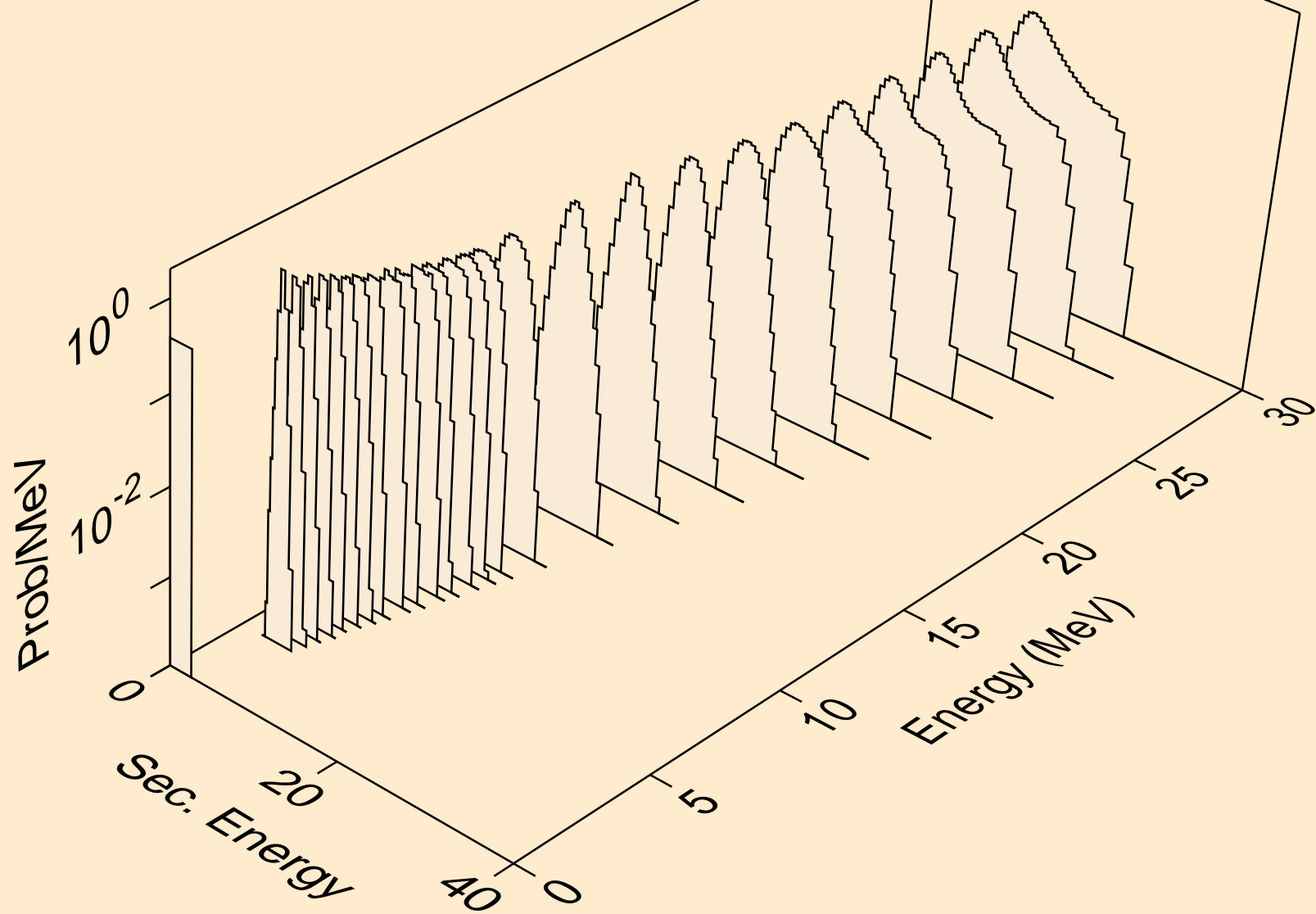




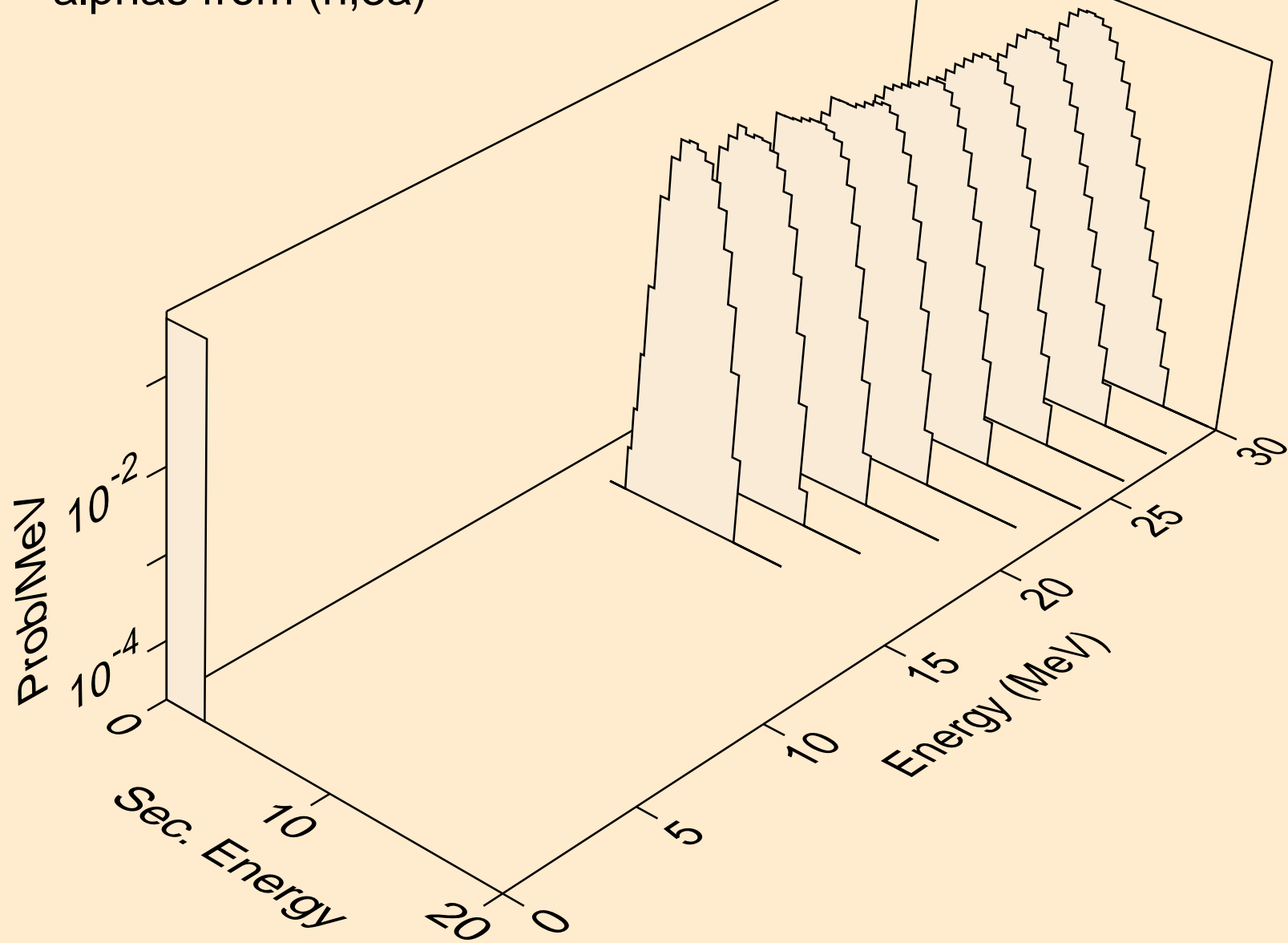
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alphas from (n,a)



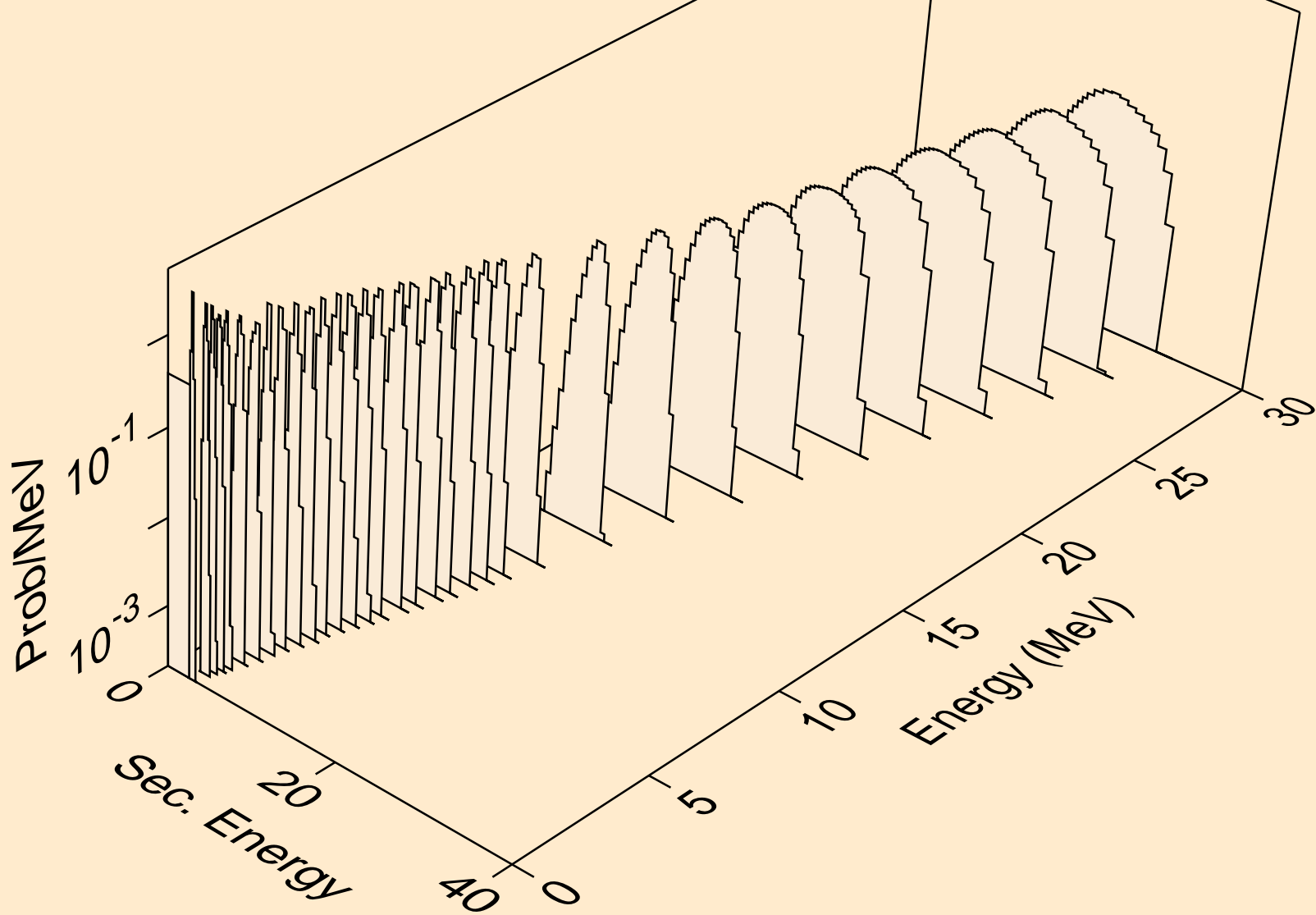
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alphas from (n,2a)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



RU091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

