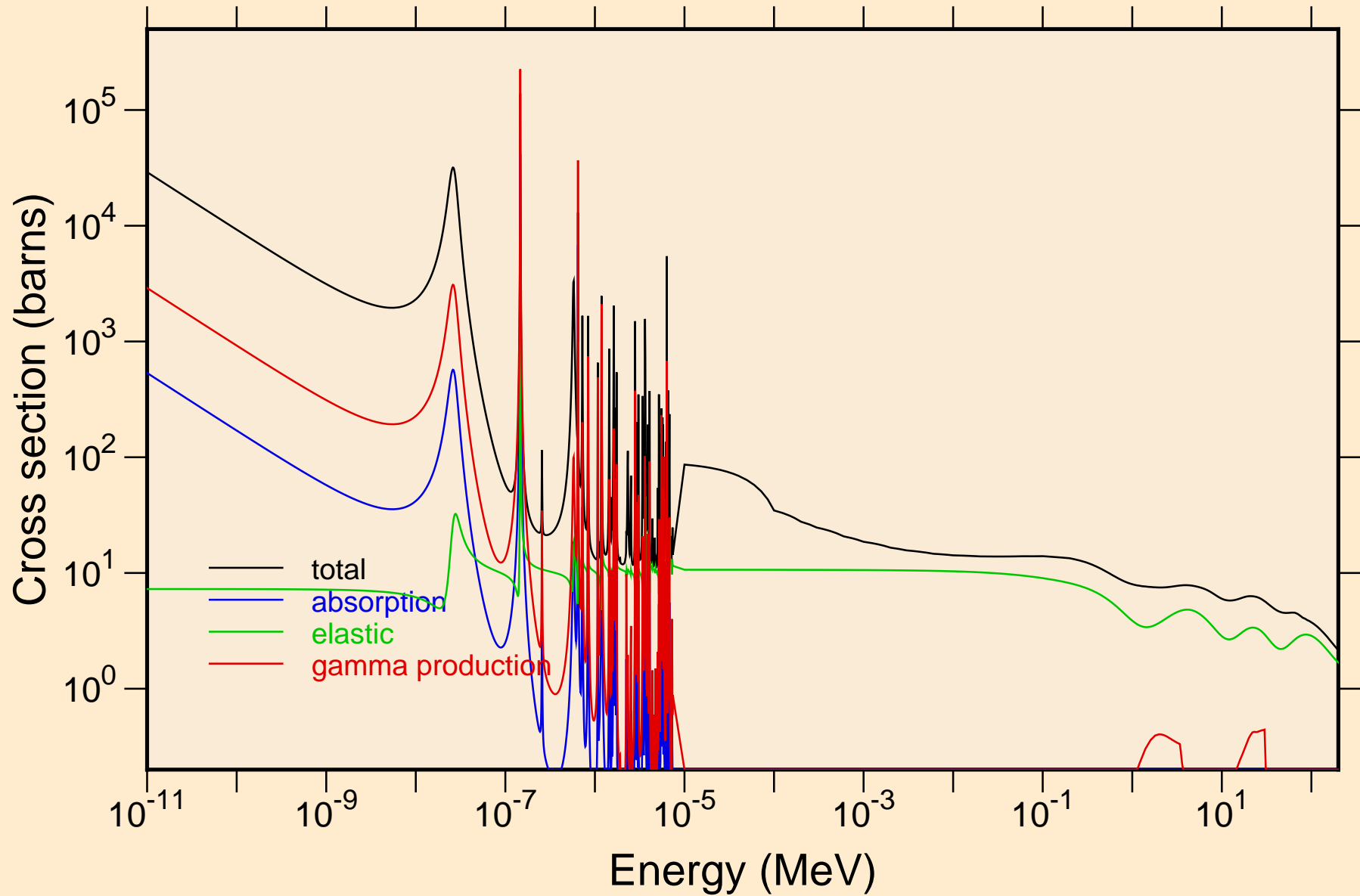
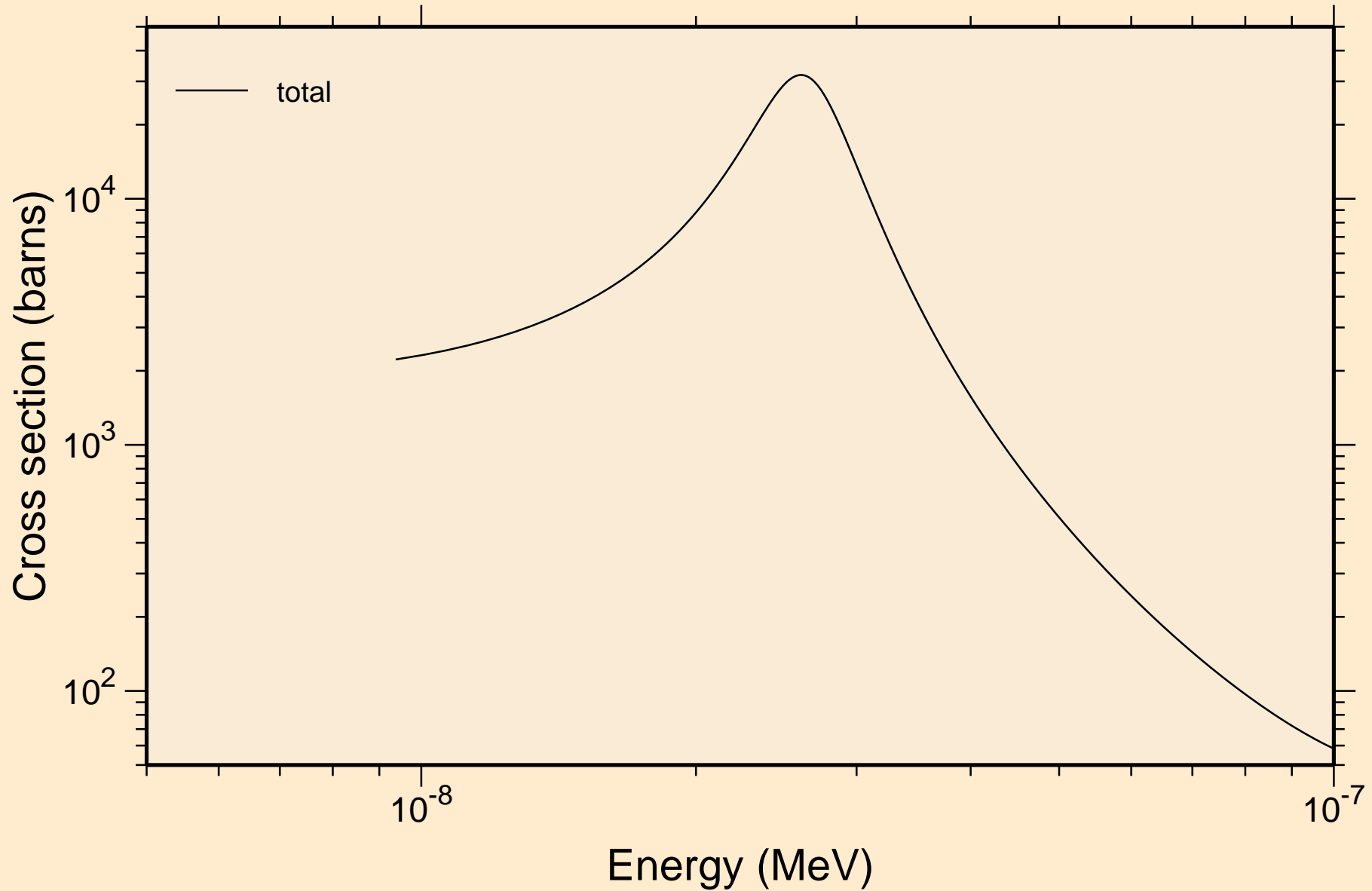


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

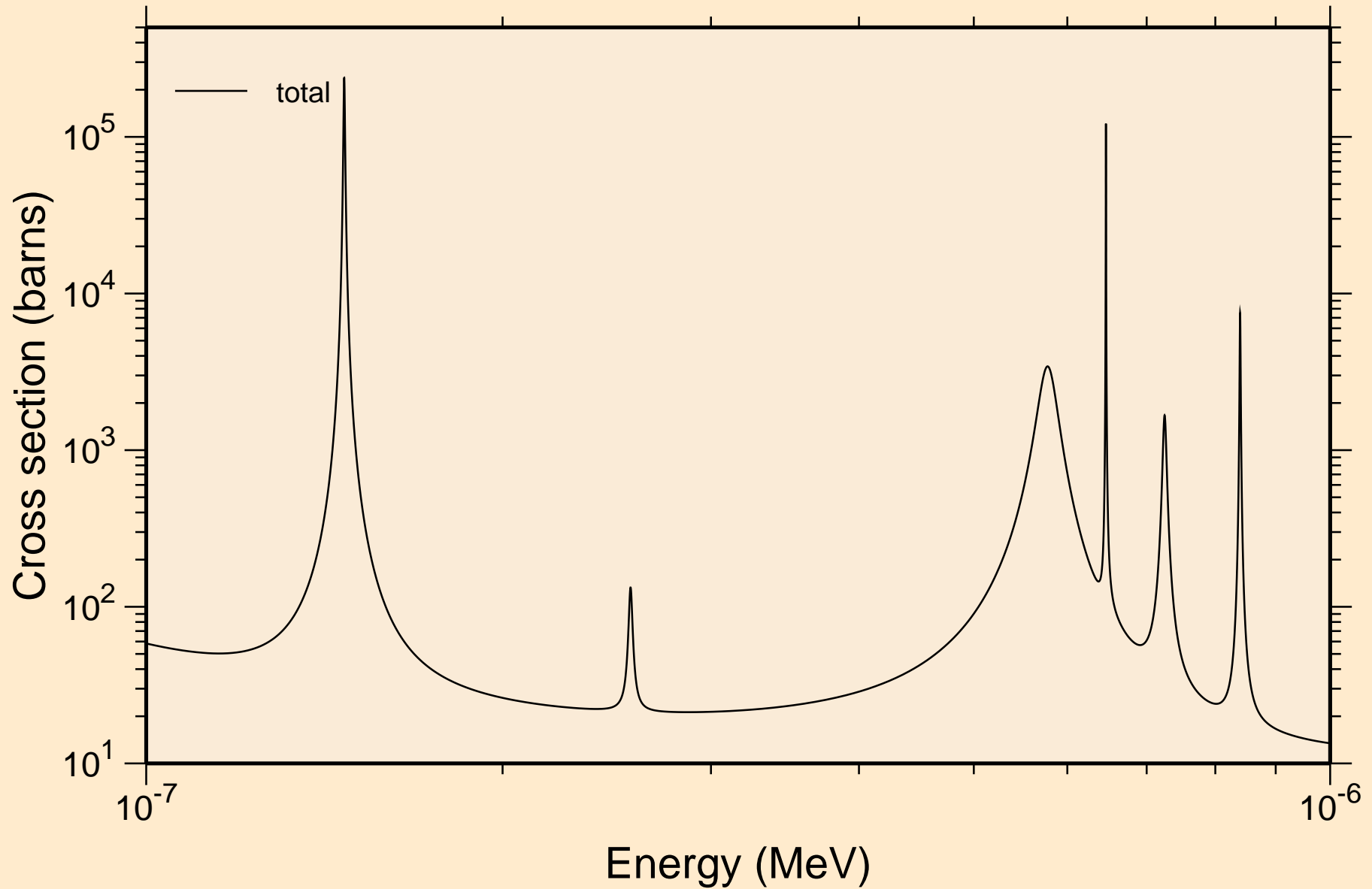
## Principal cross sections



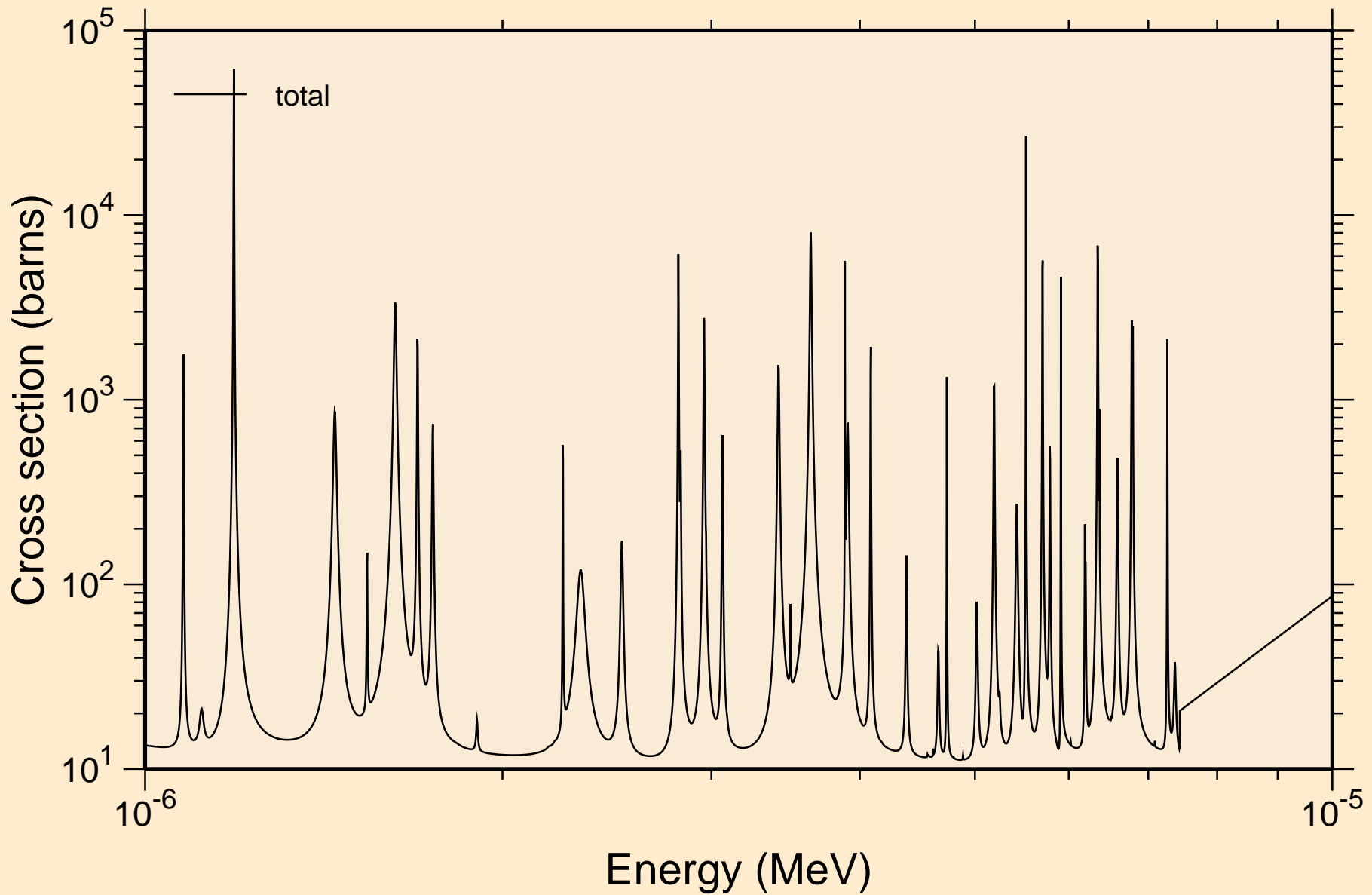
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resonance total cross section



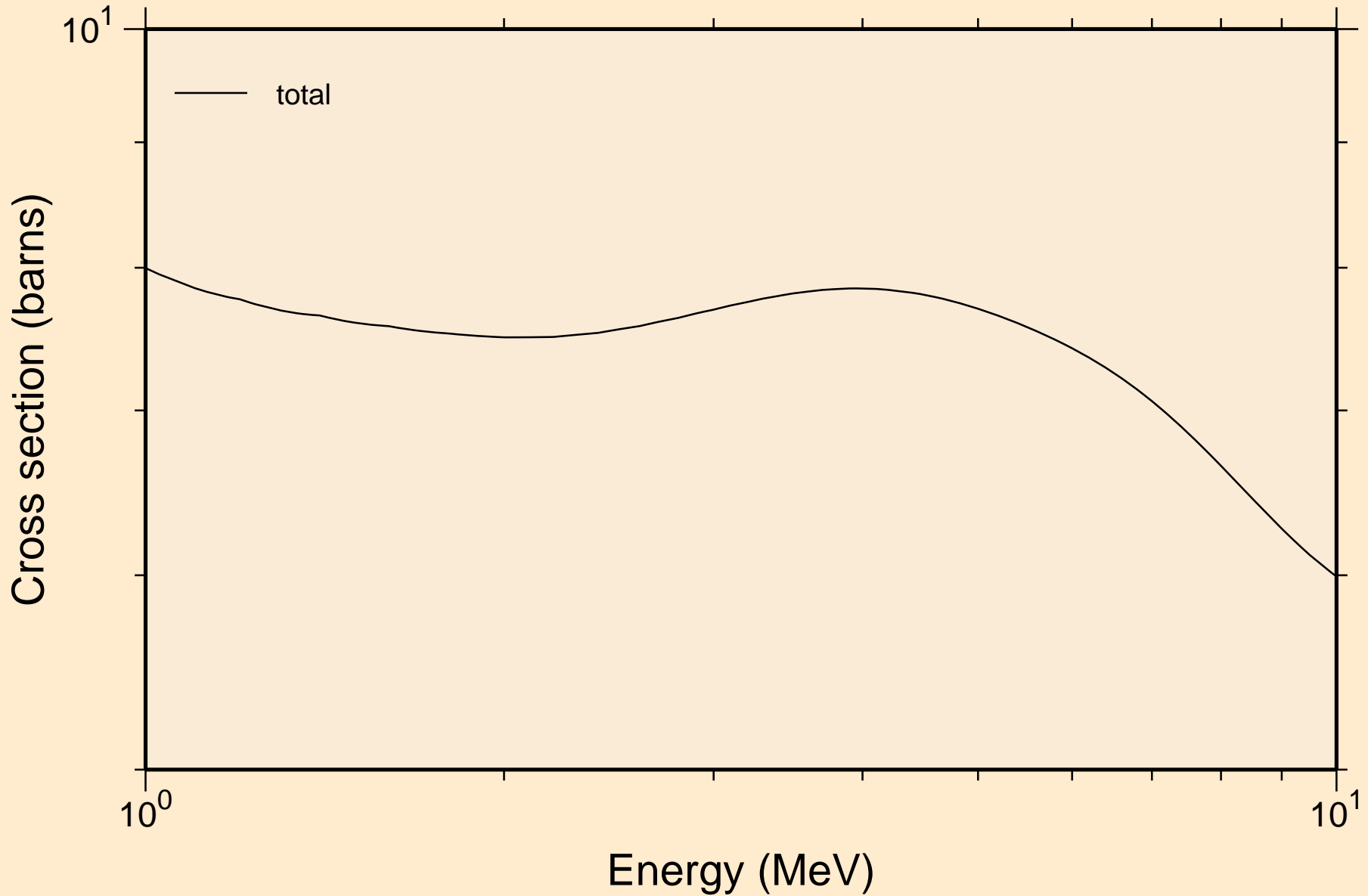
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



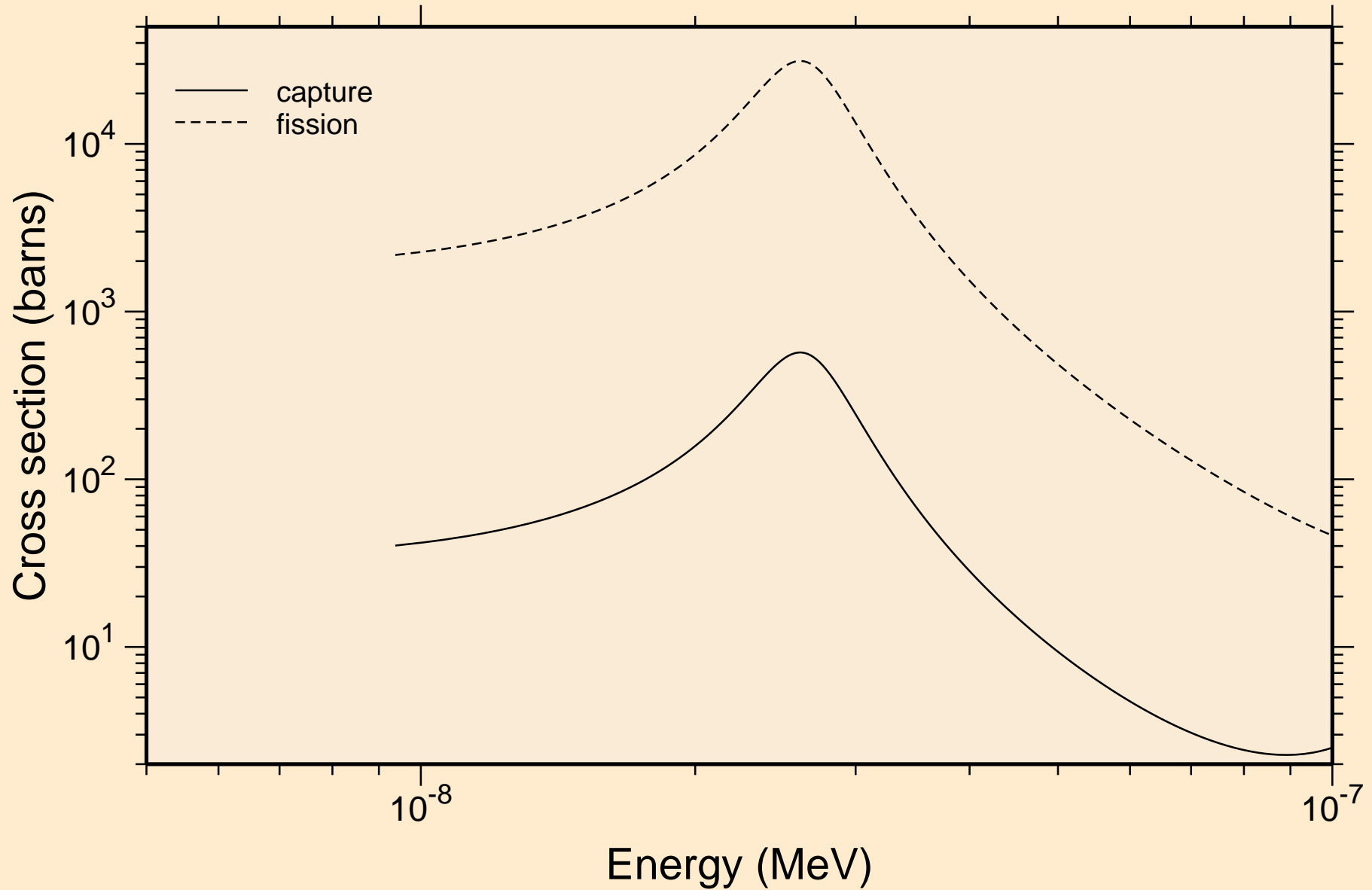
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



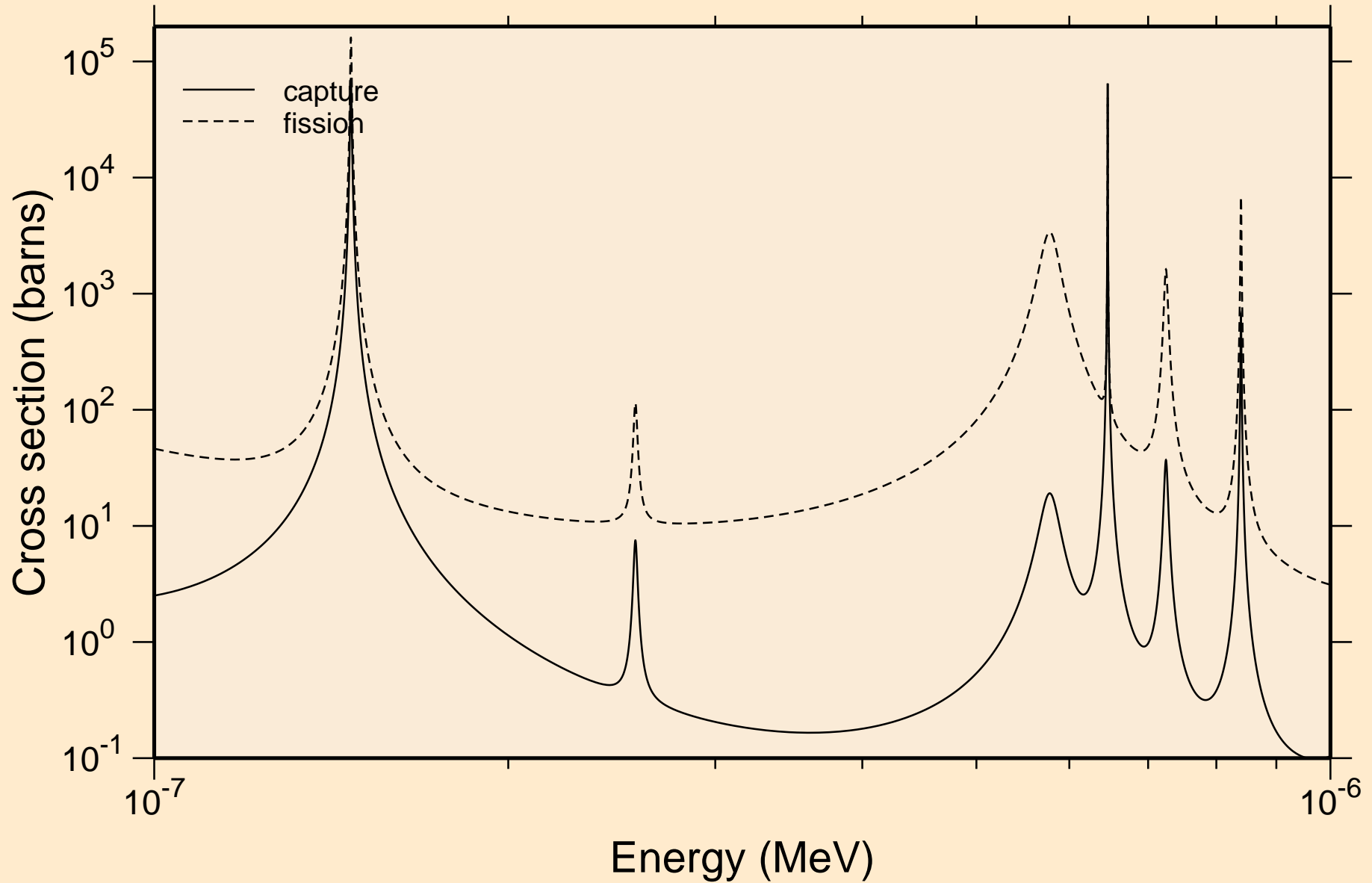
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



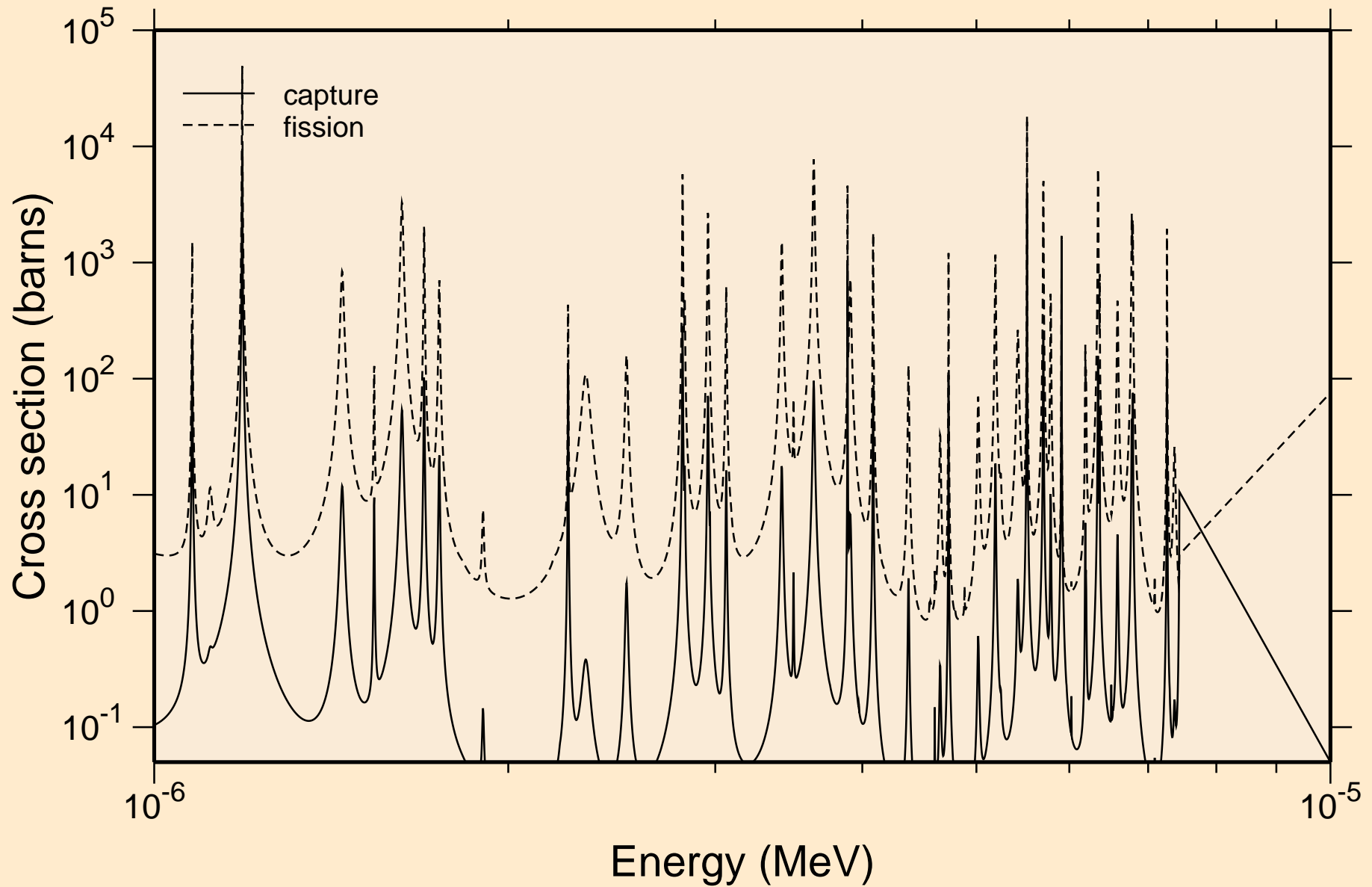
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

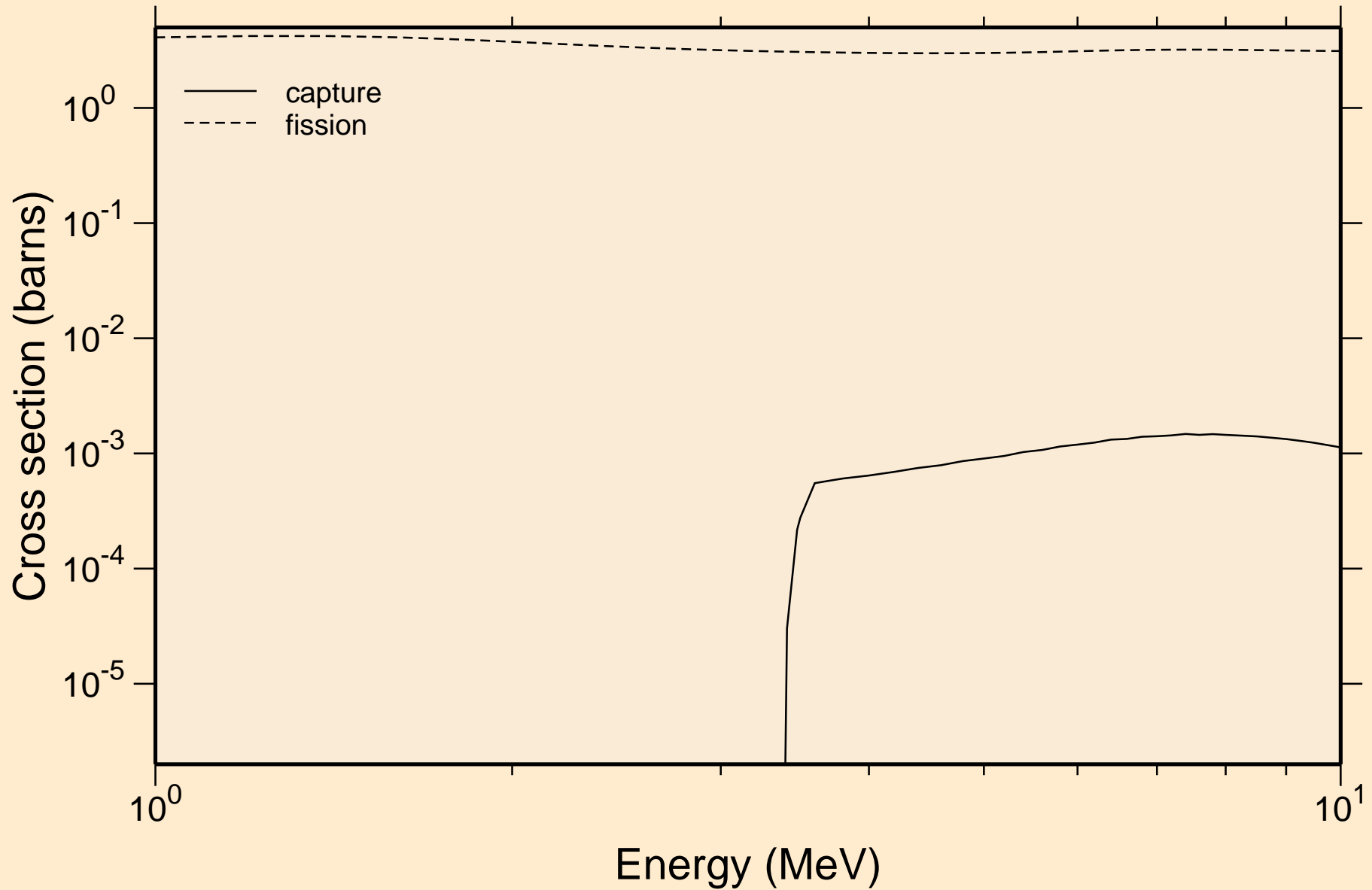


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



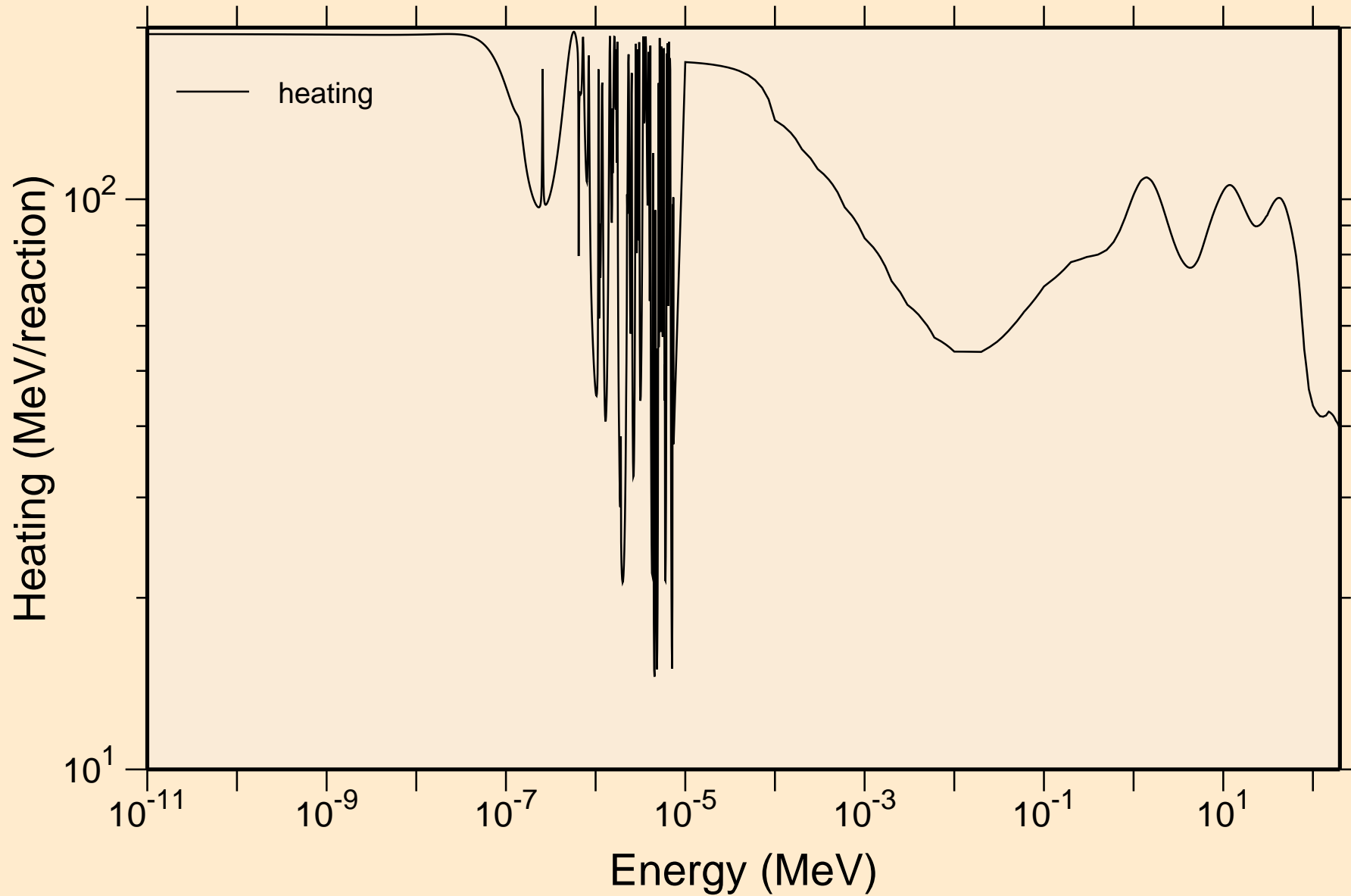


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

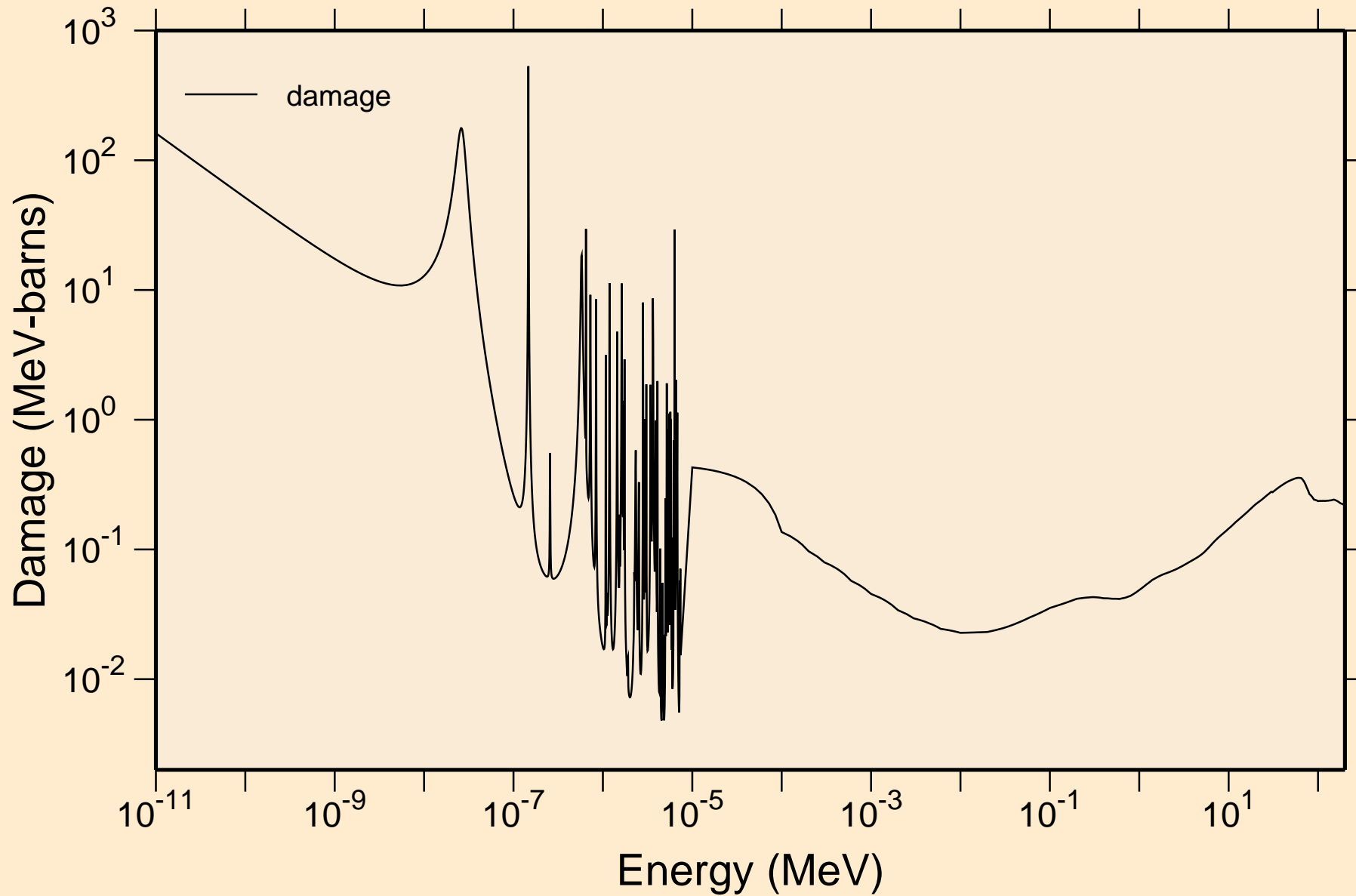


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

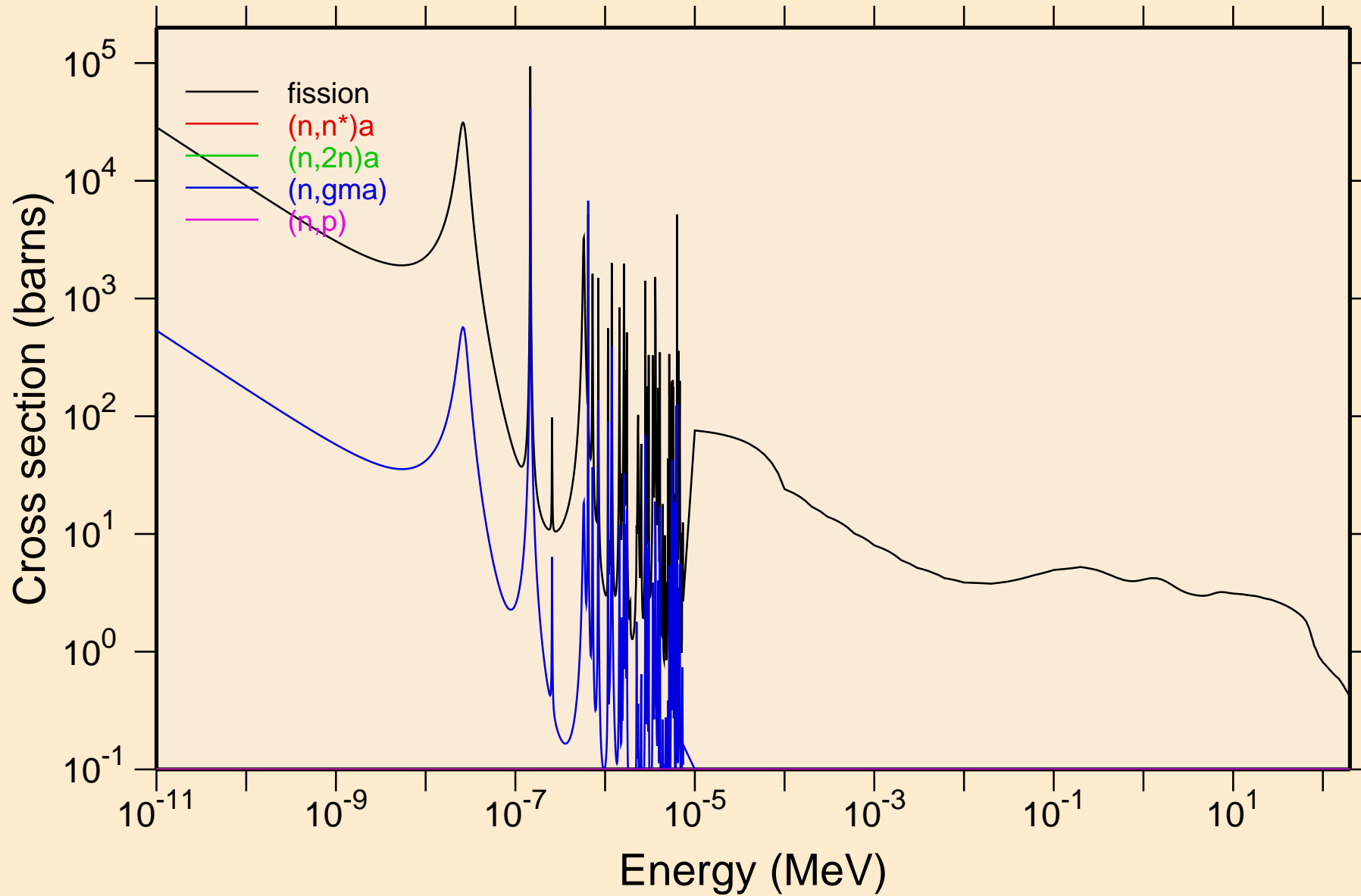


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

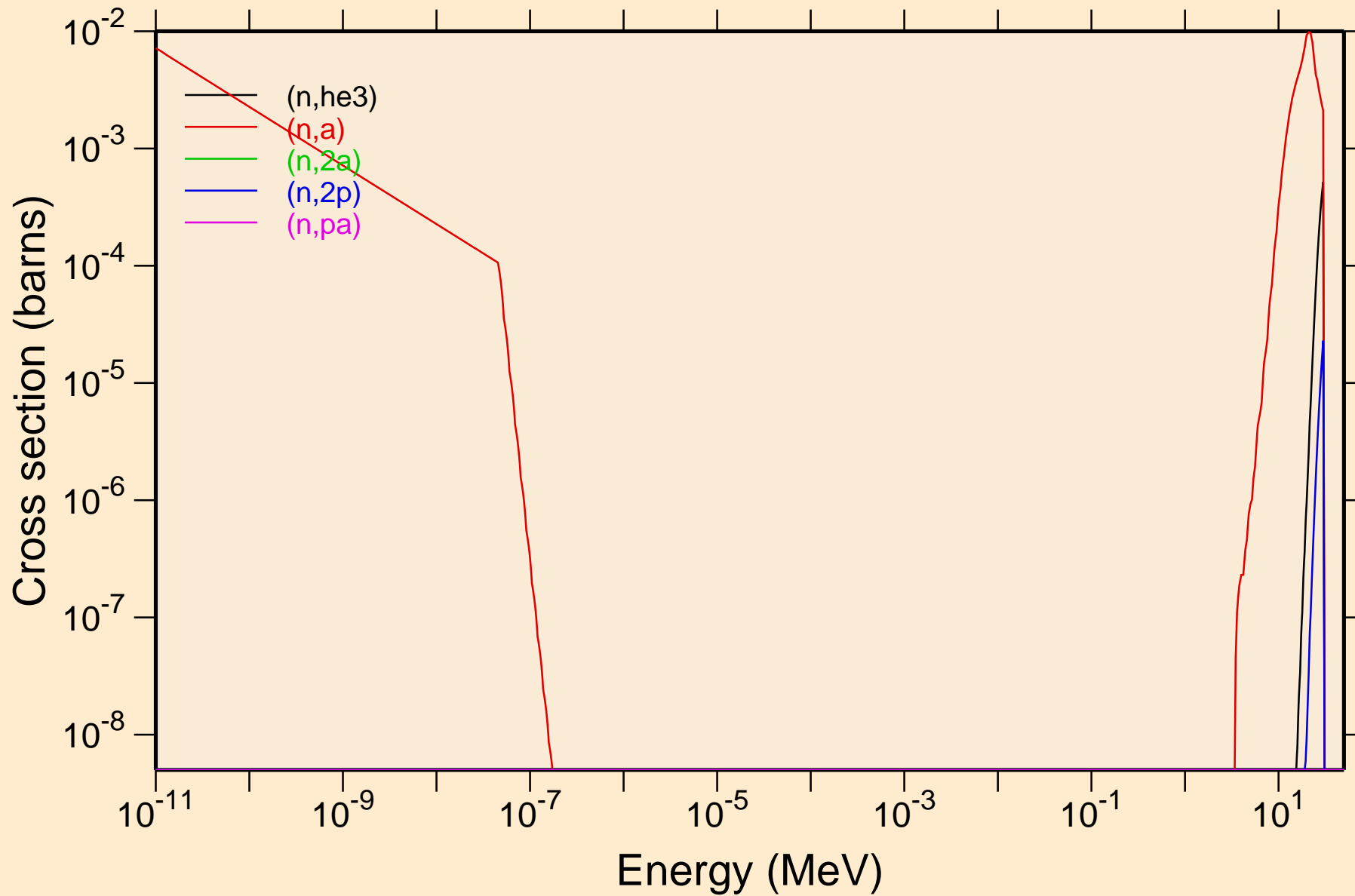


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

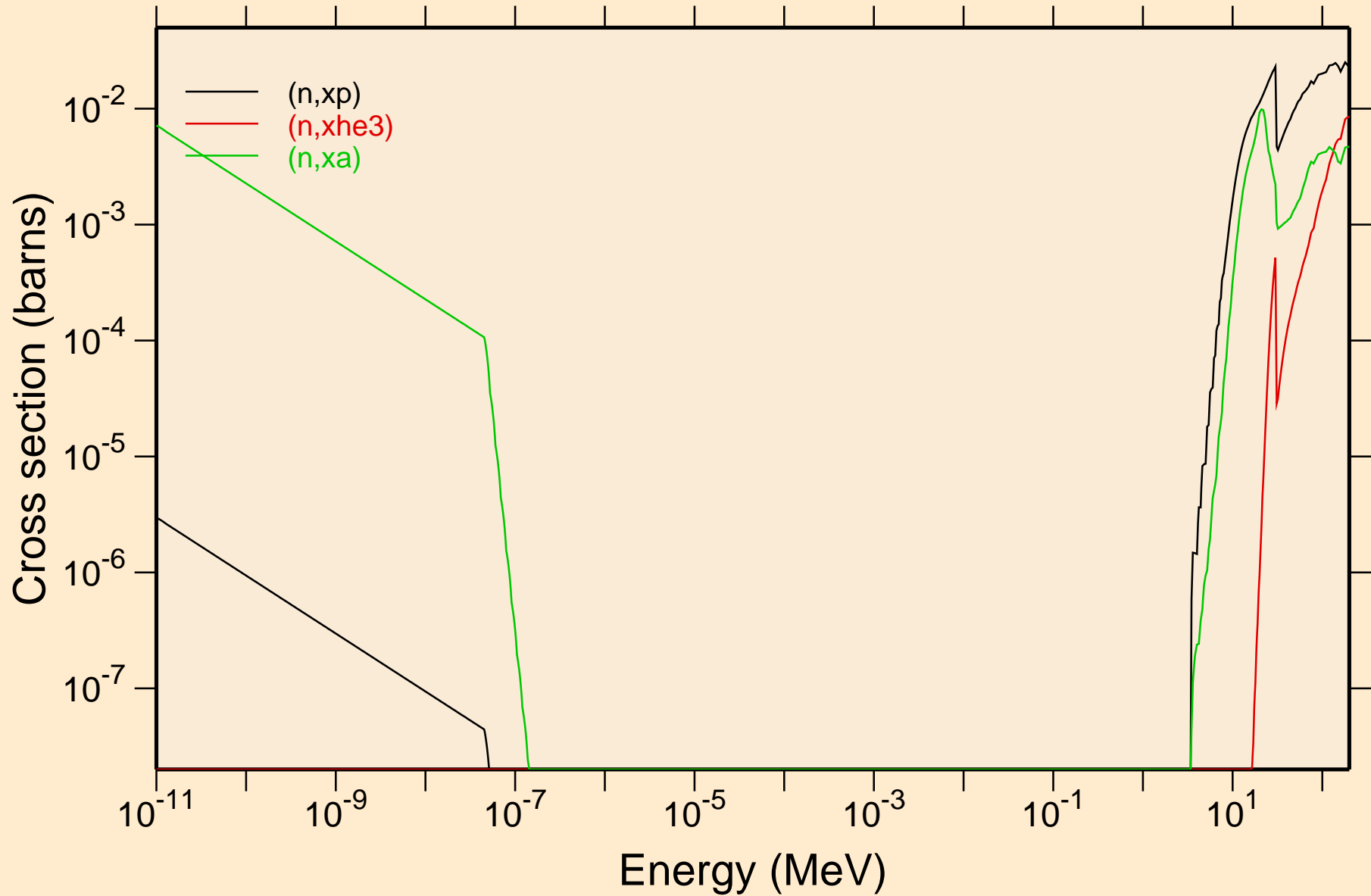
## Non-threshold reactions



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

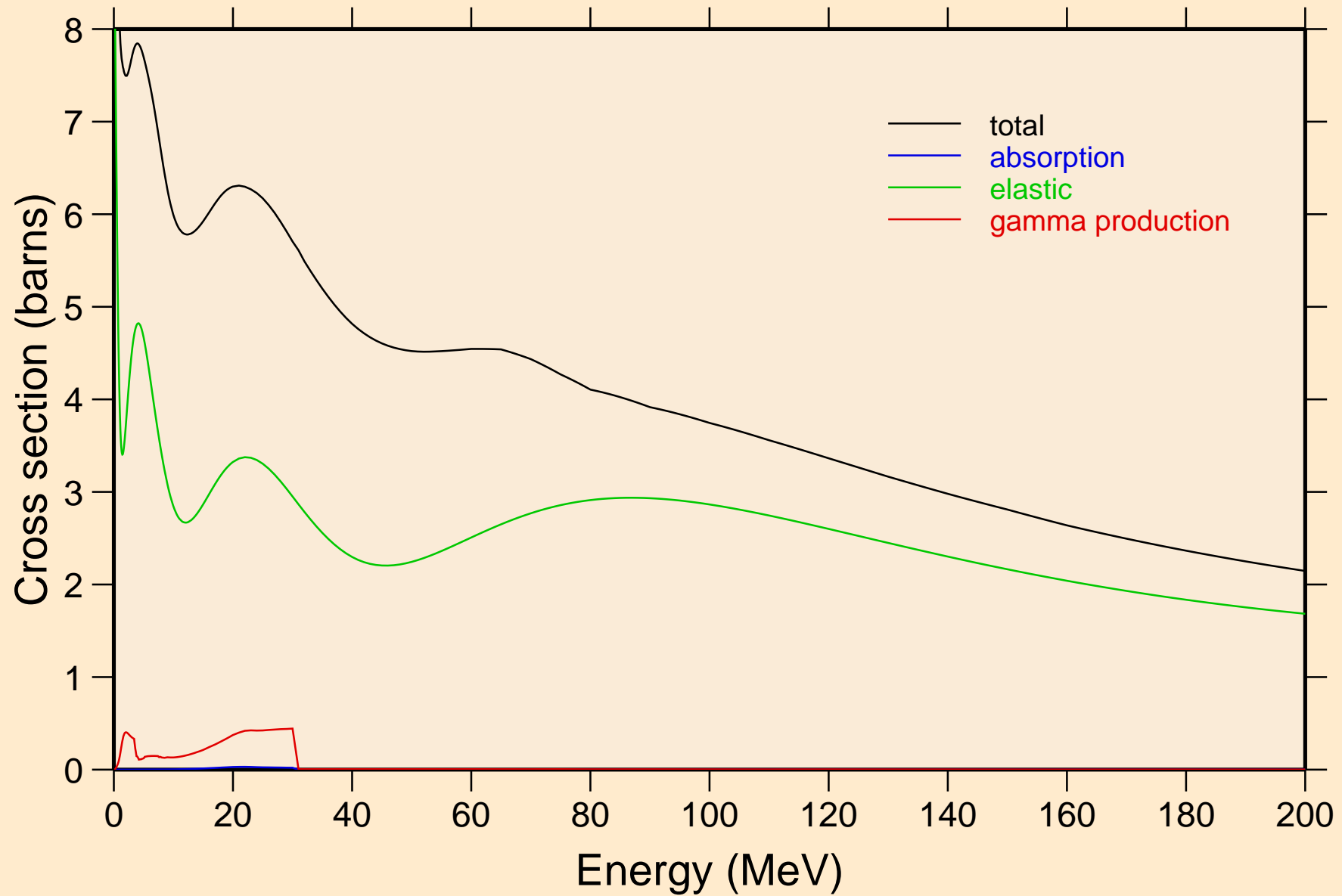


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



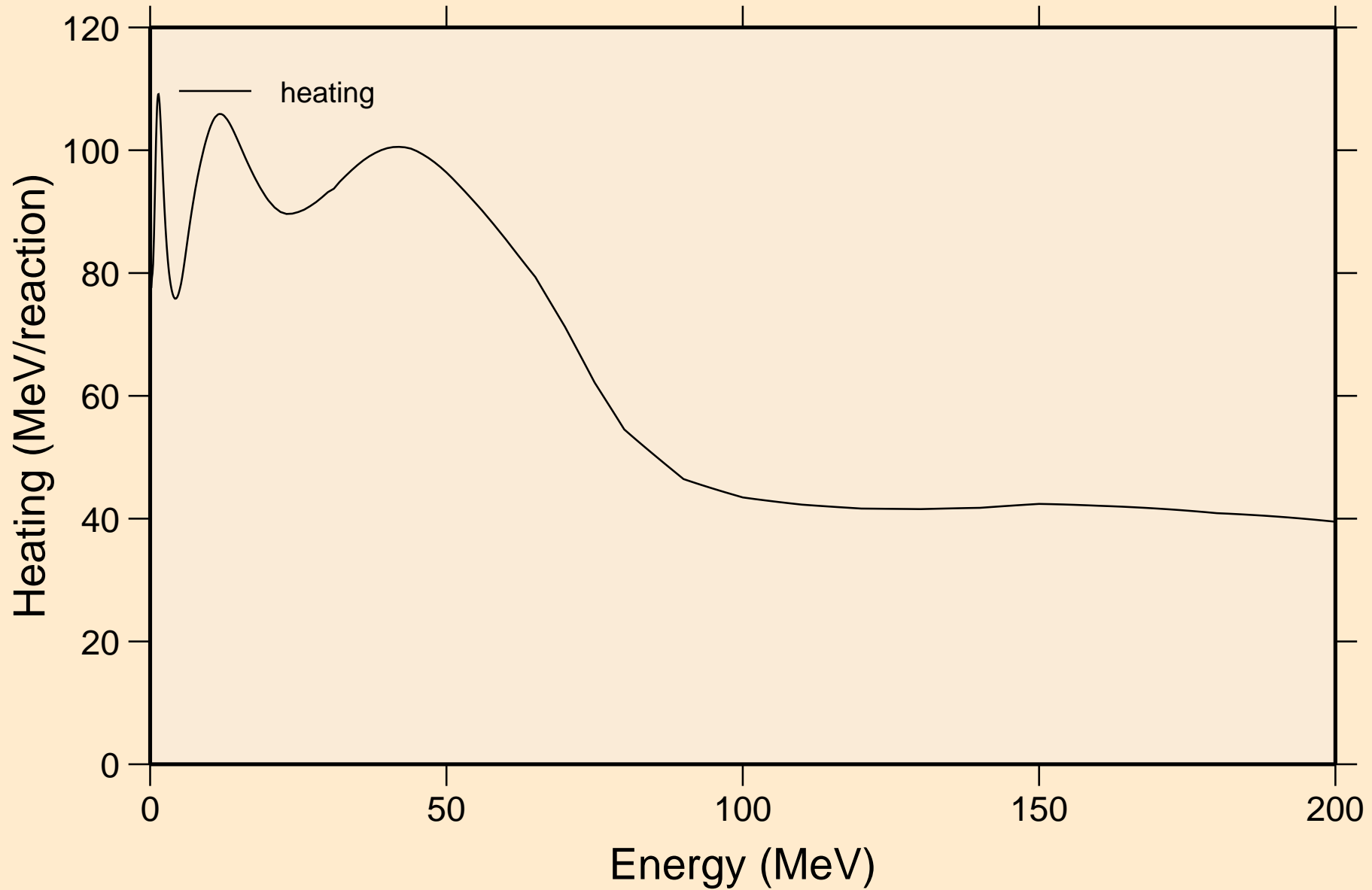
# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

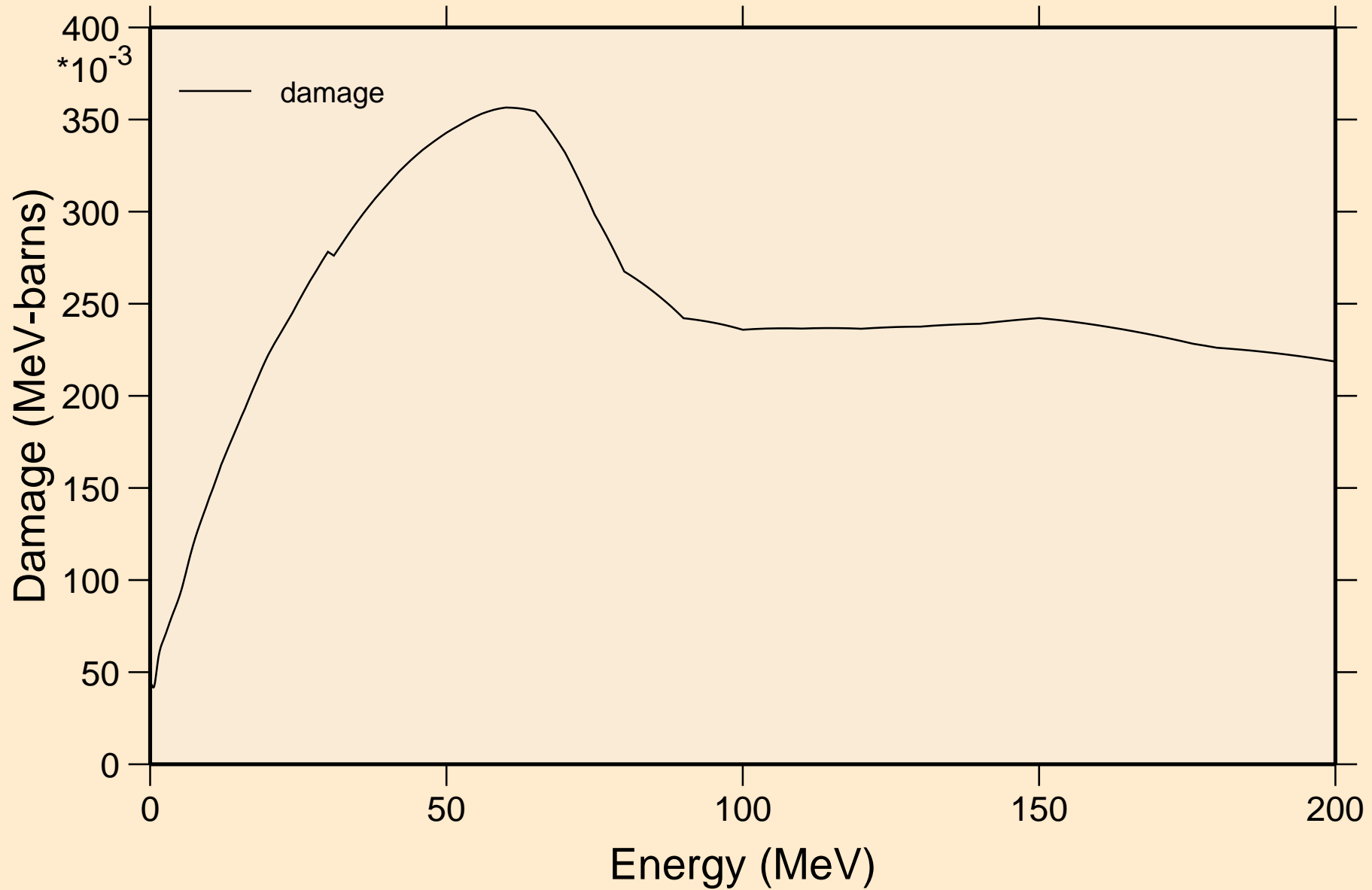
## Heating



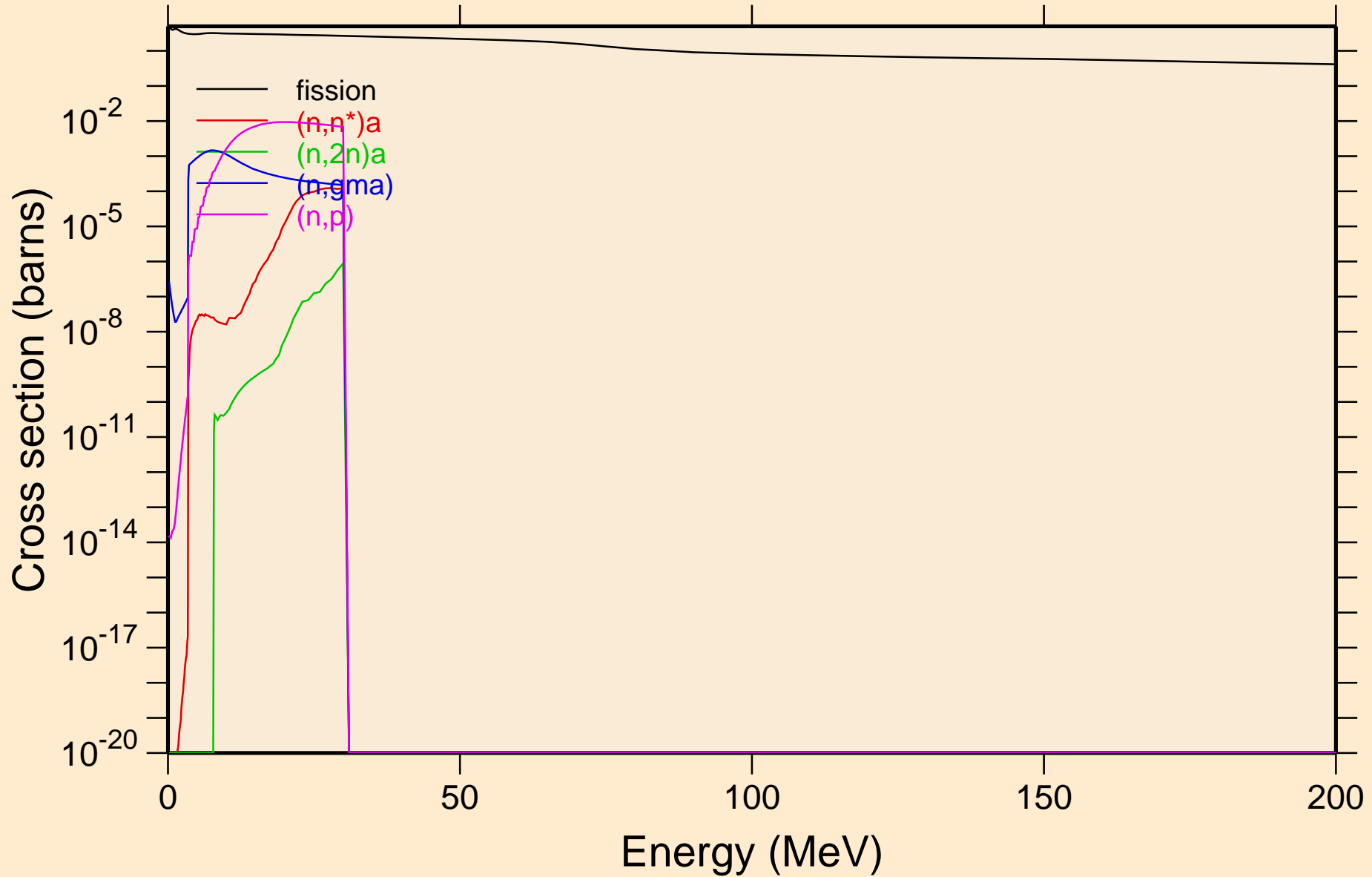


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

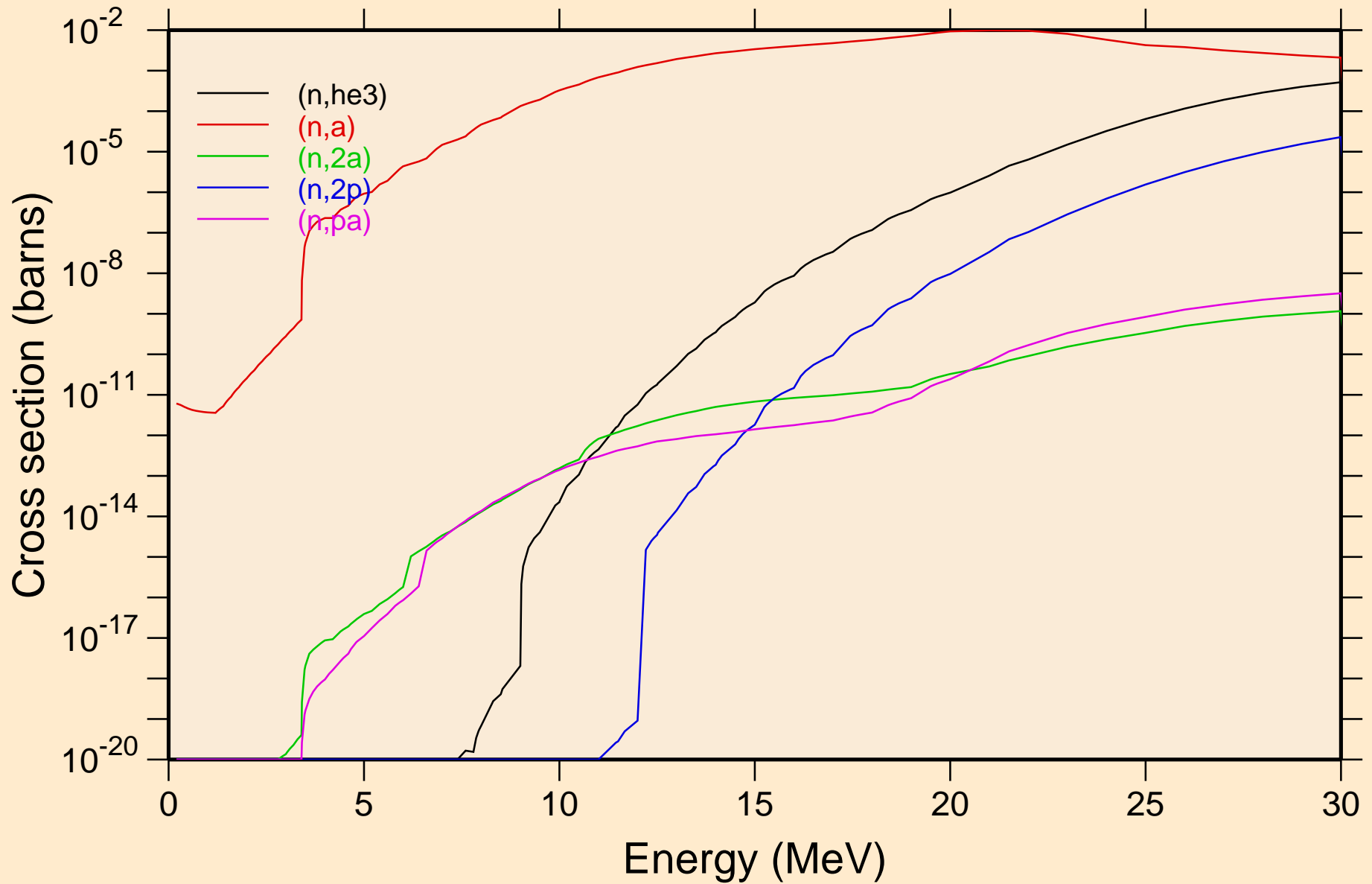


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

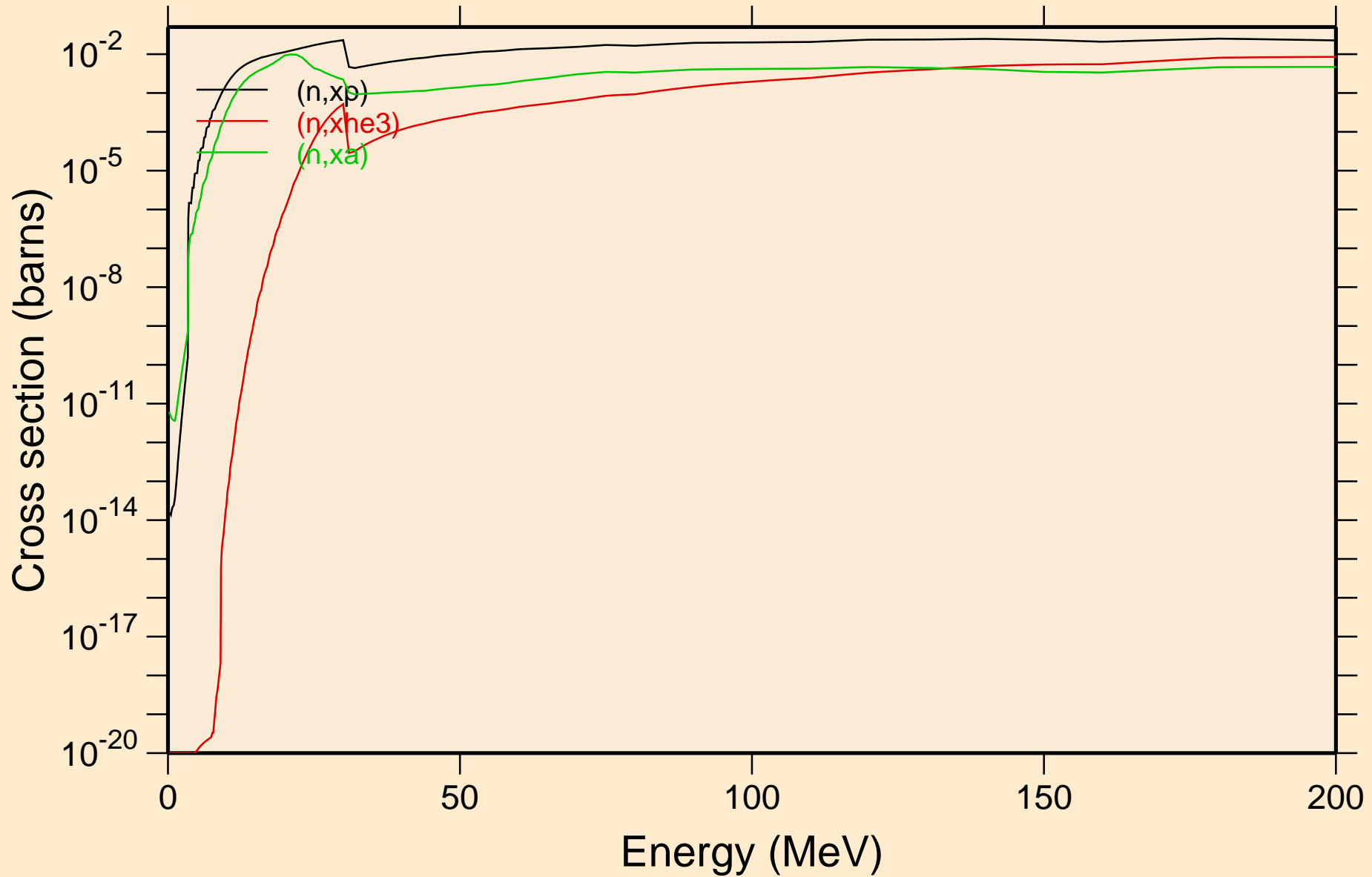


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

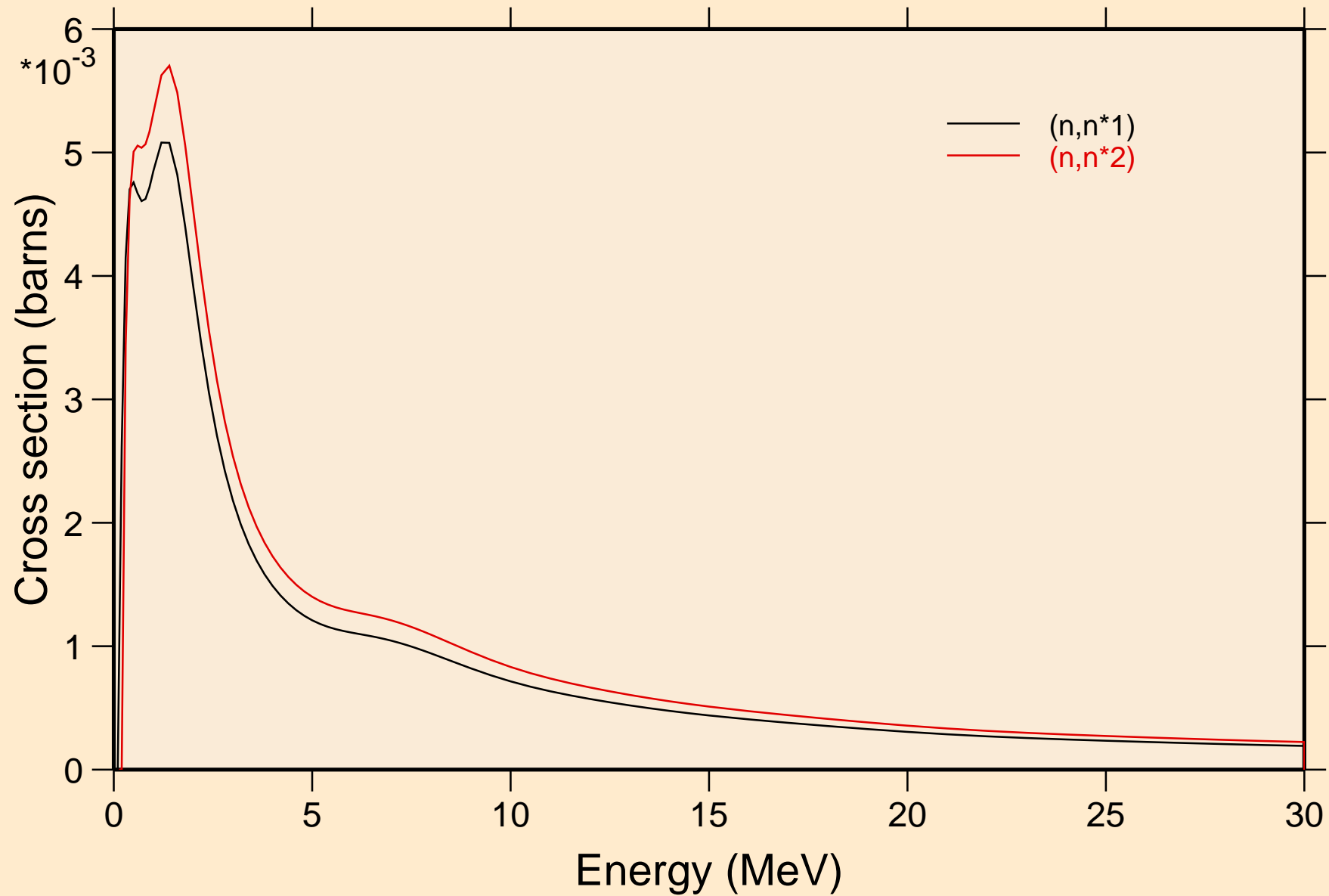
## Non-threshold reactions



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

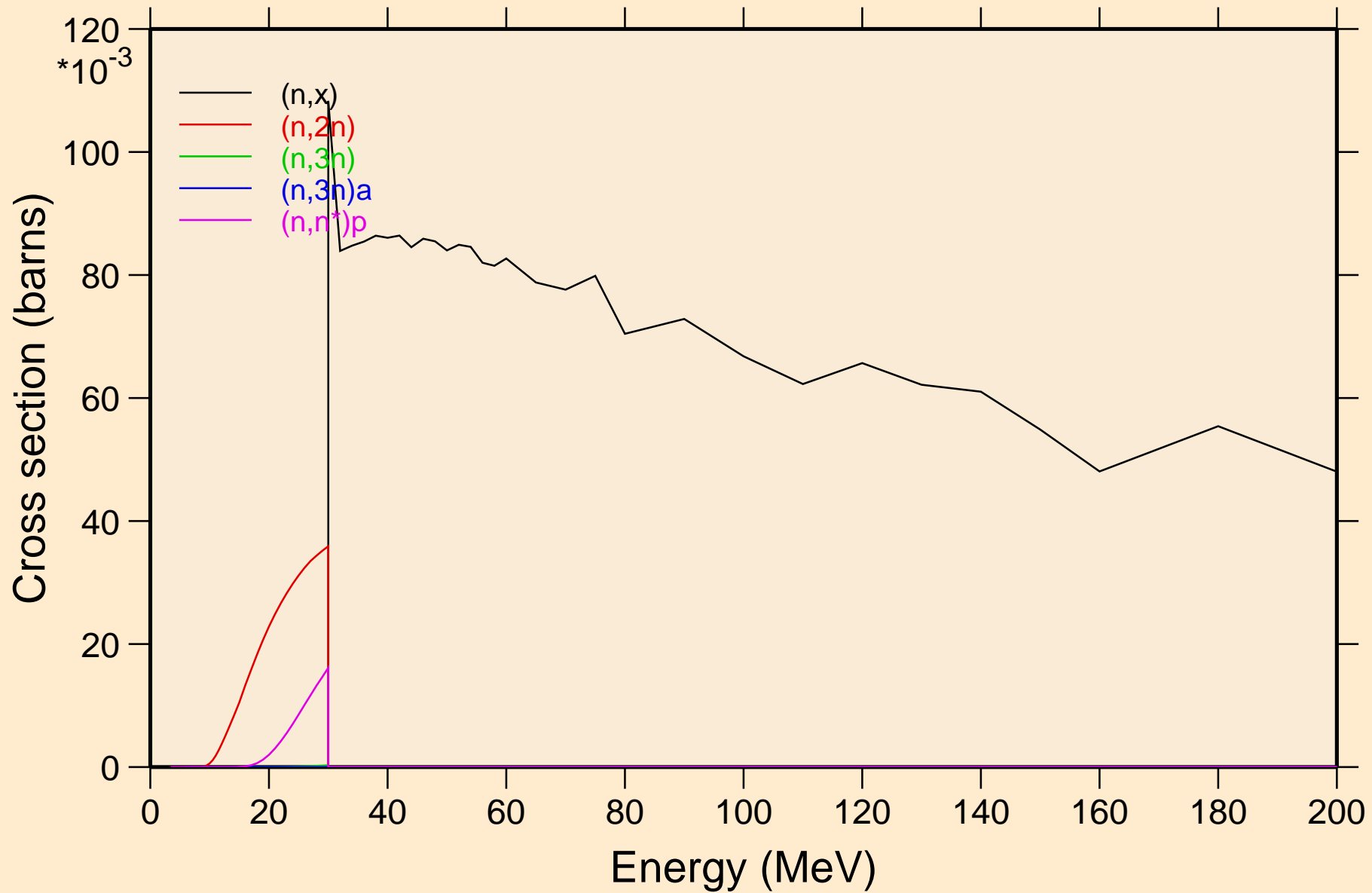


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



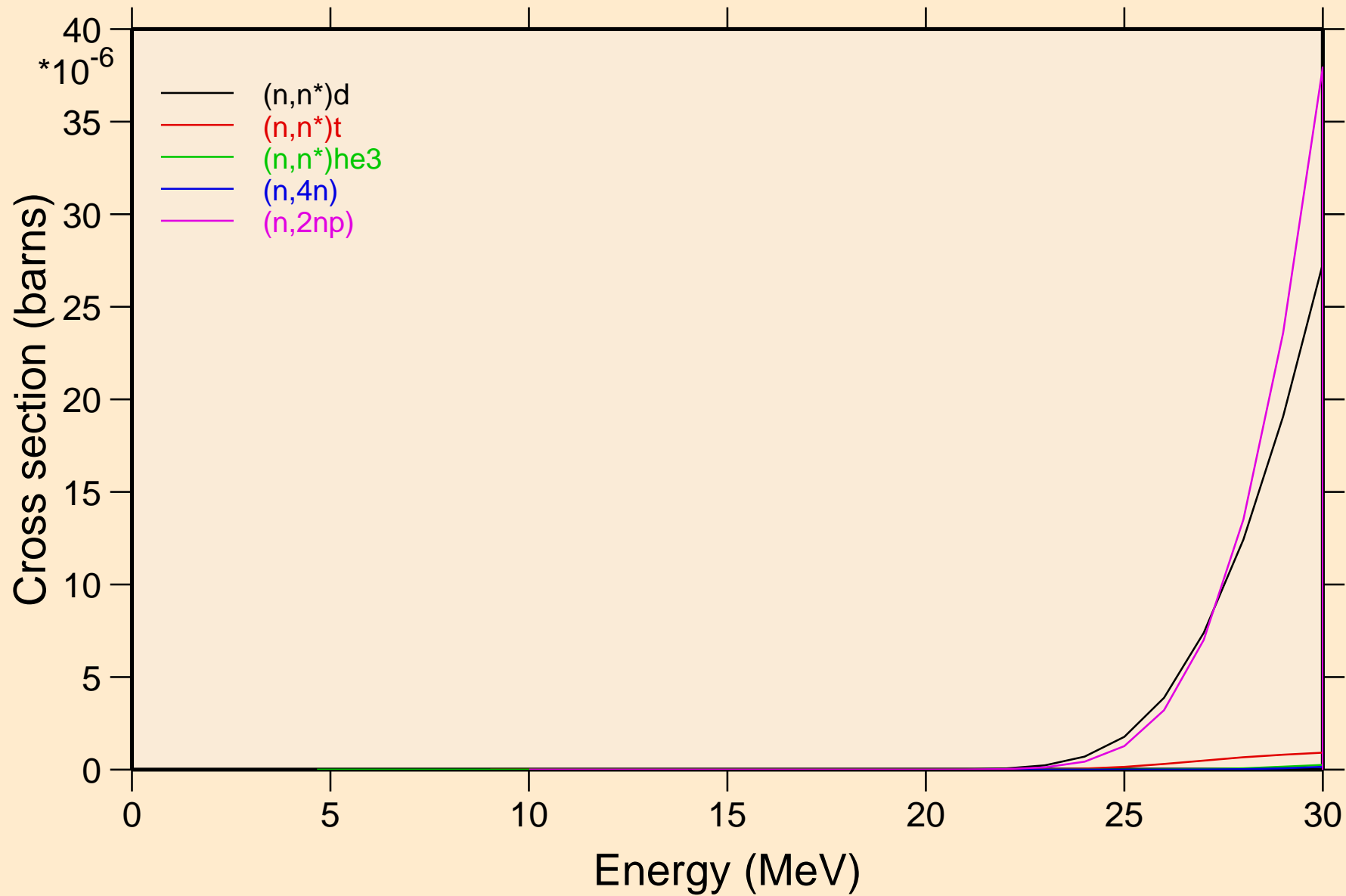
# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

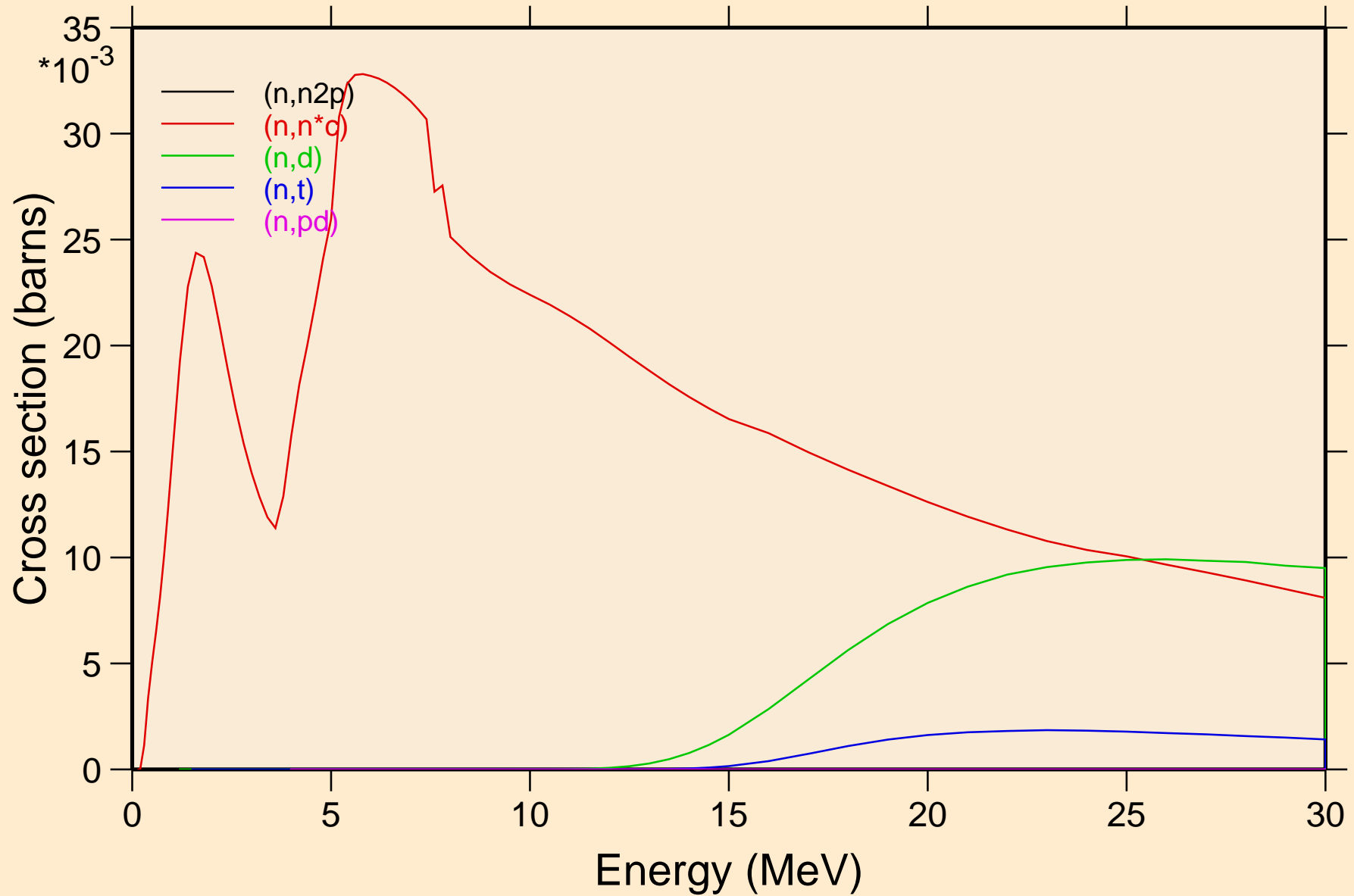


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

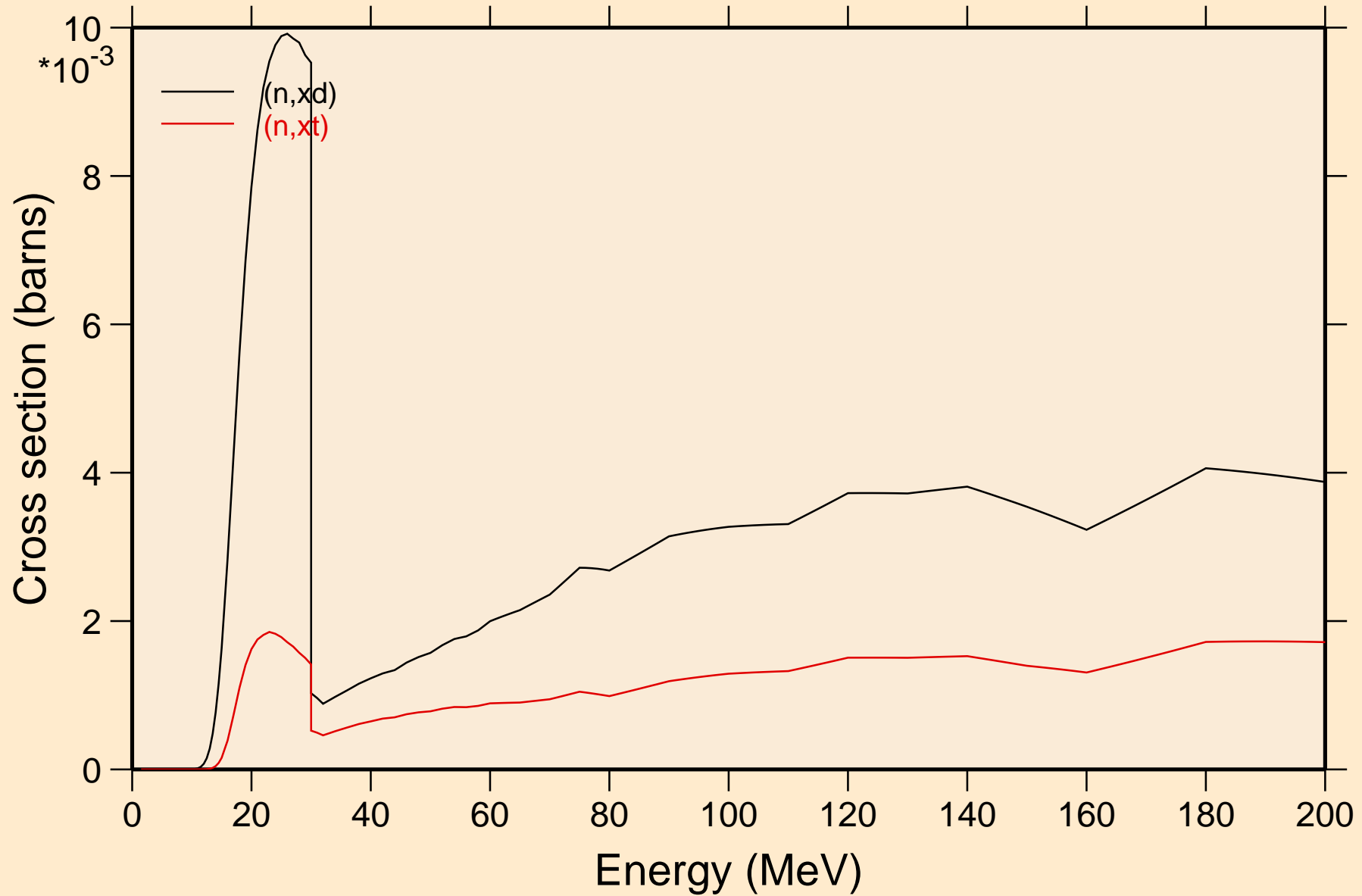


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Threshold reactions

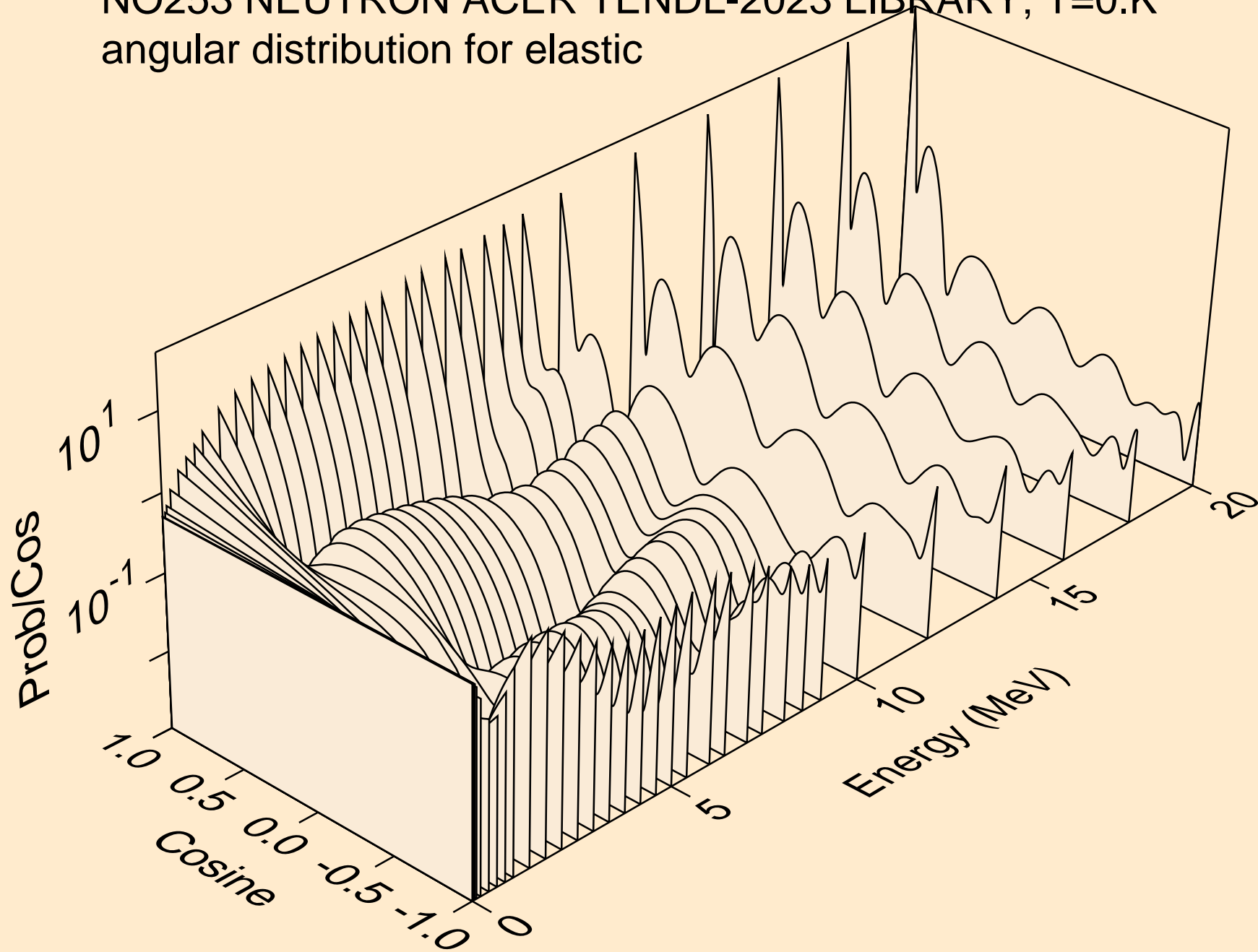




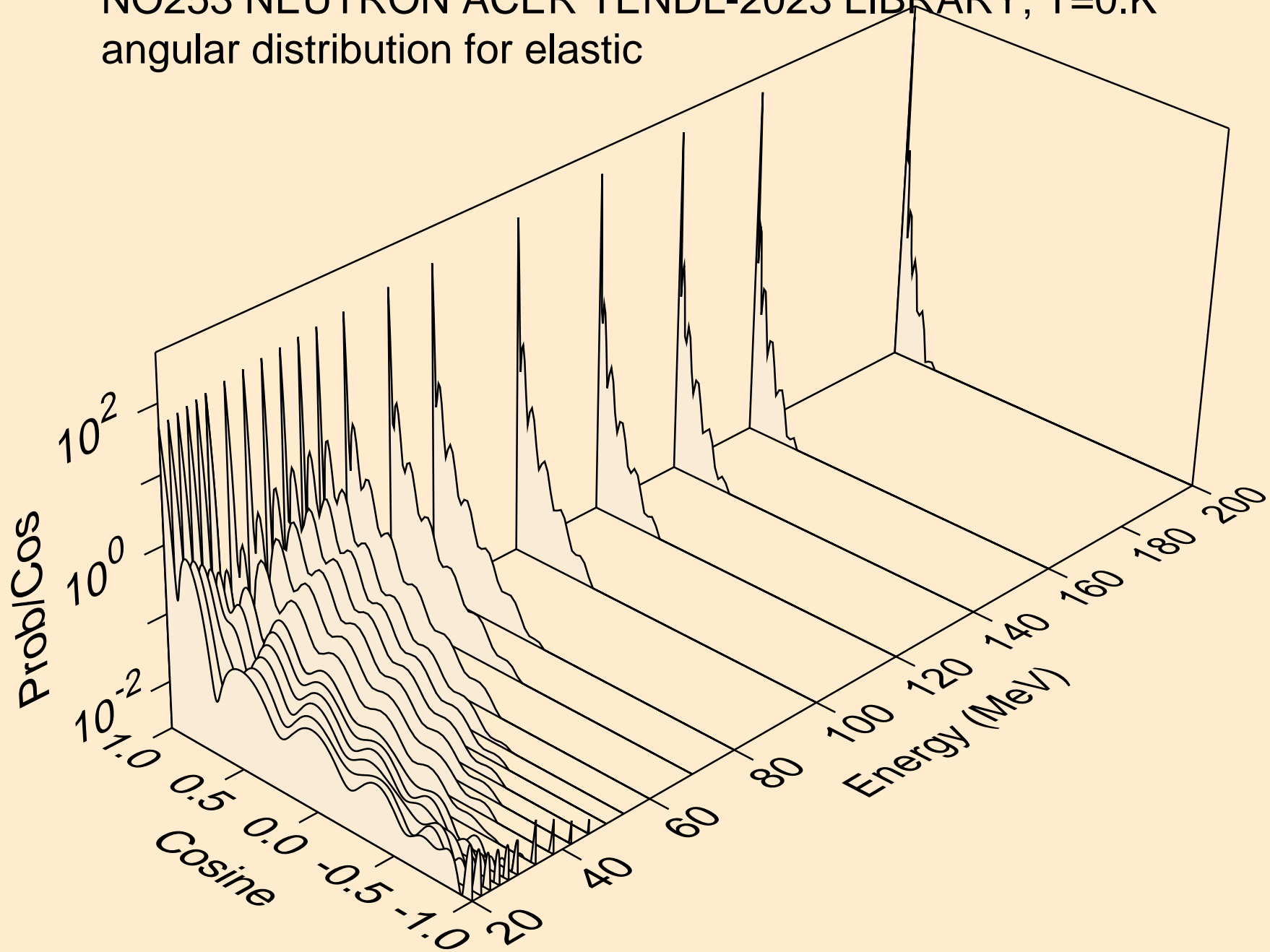
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Threshold reactions



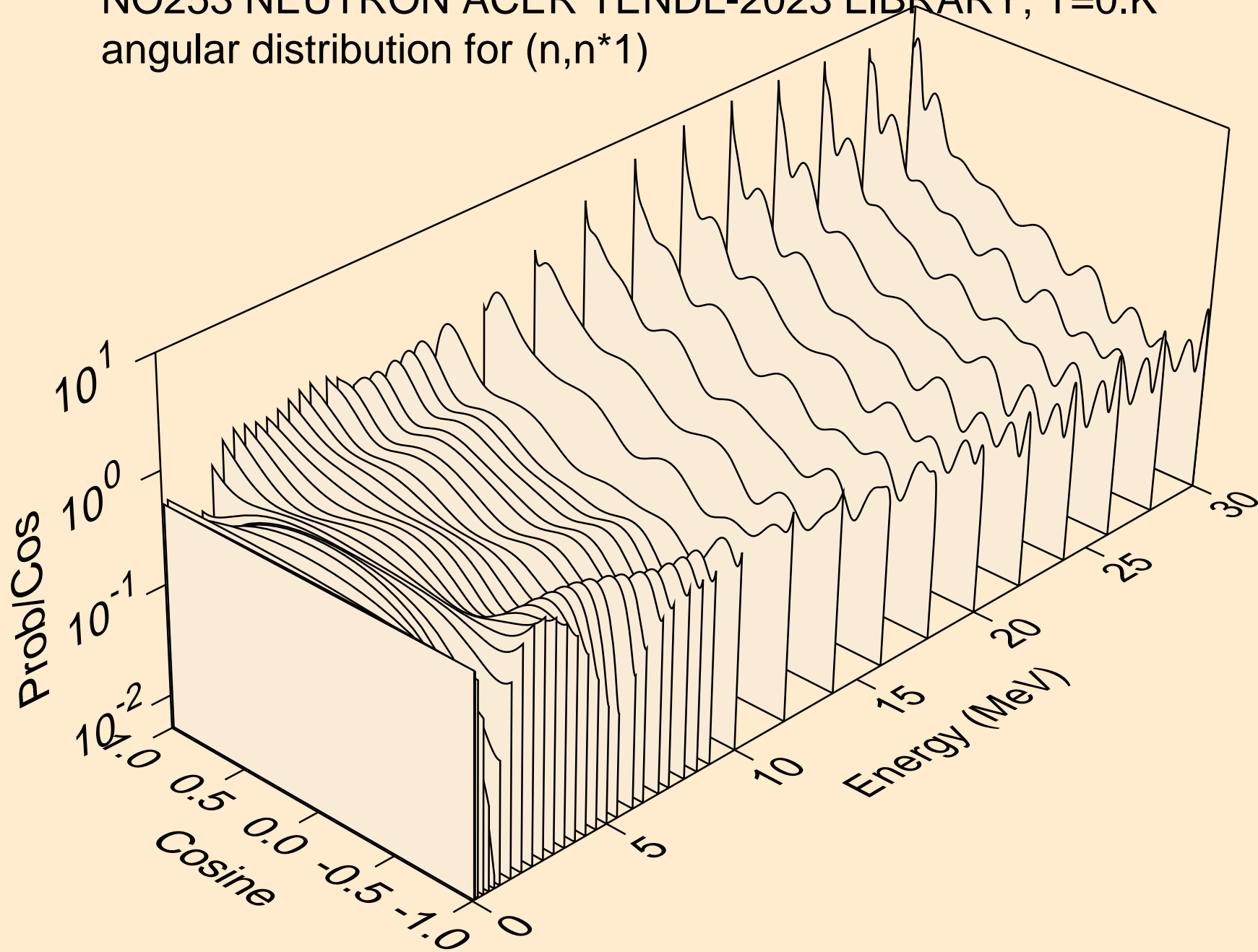
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



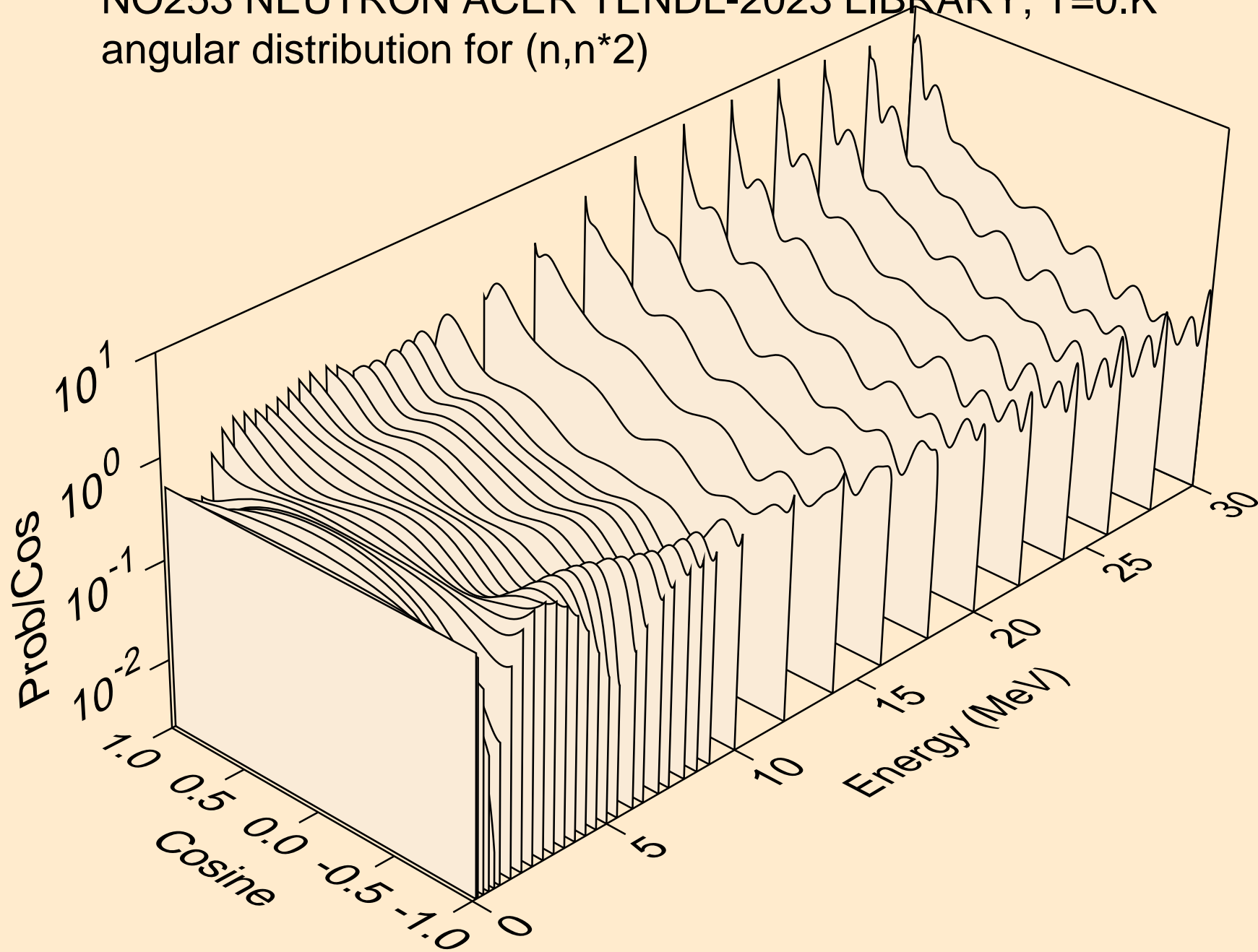
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

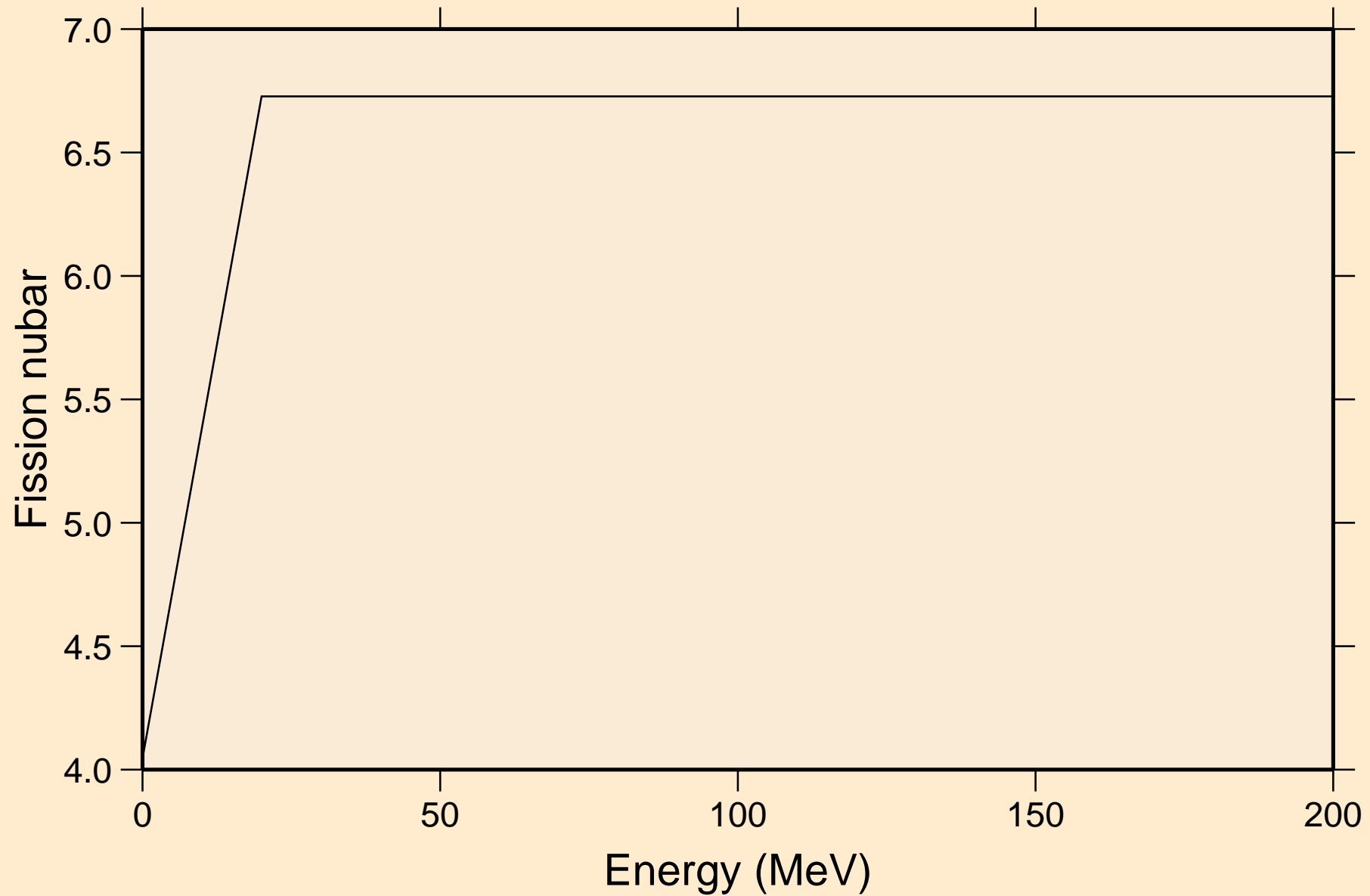


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

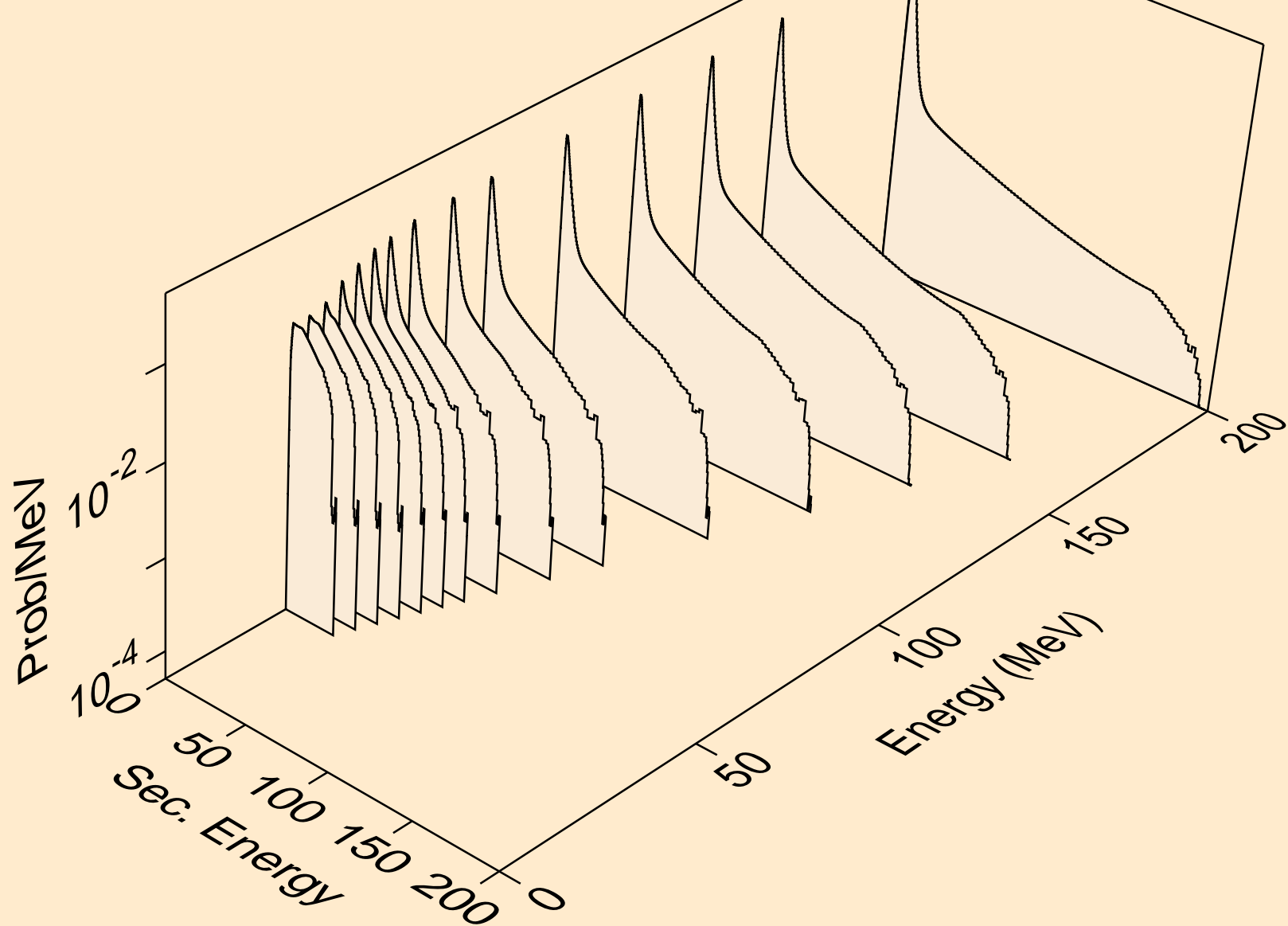


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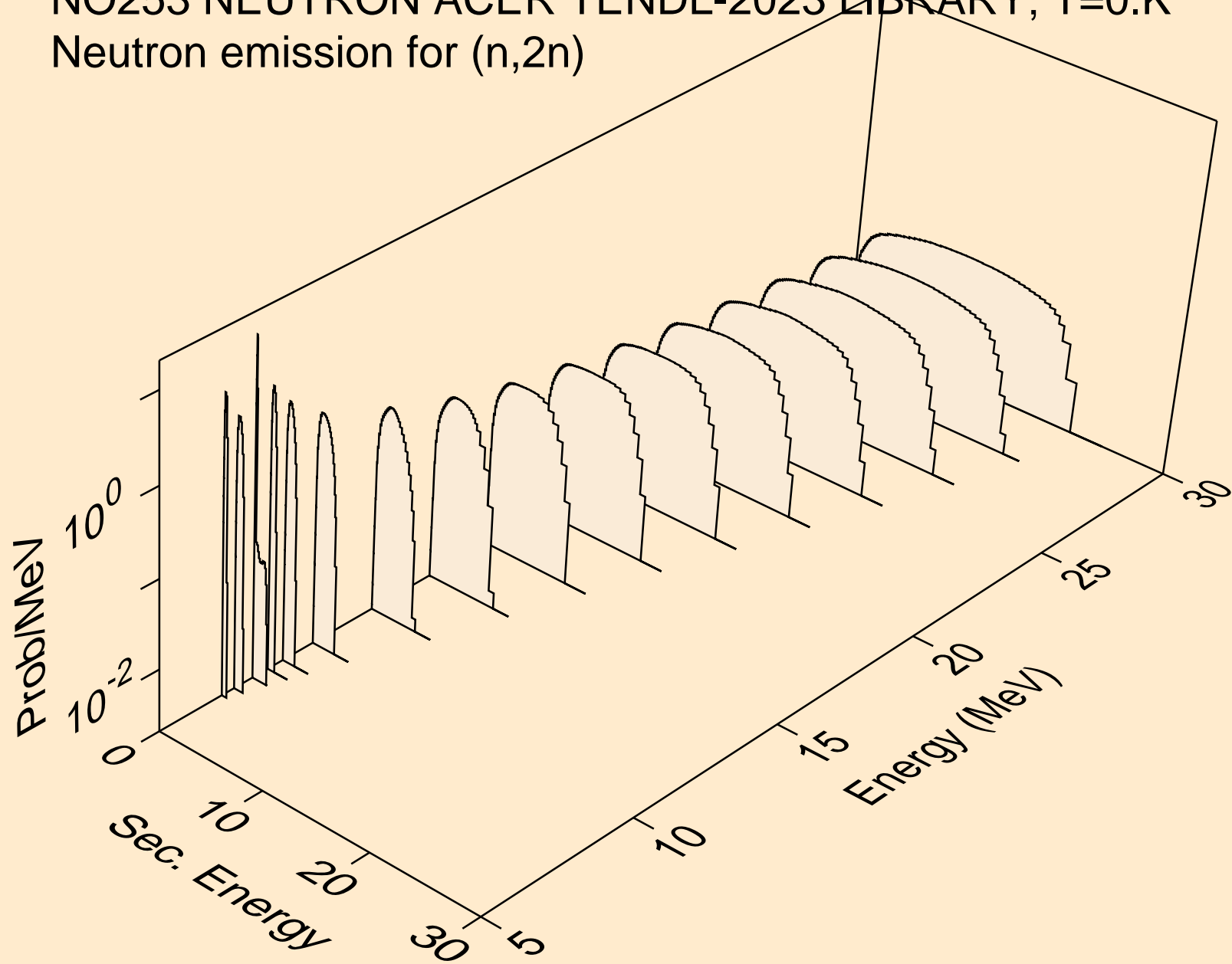
Total fission nubar



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

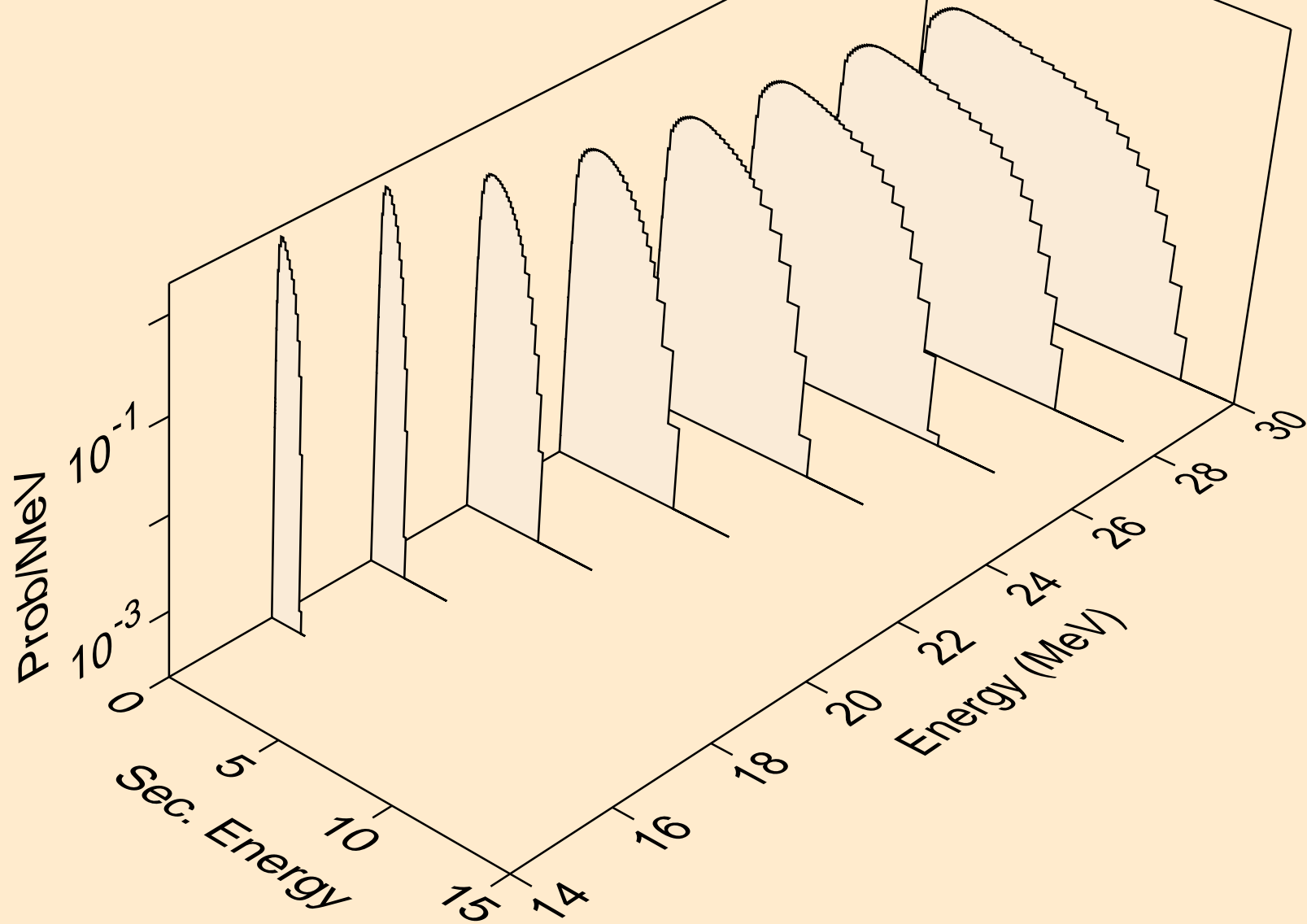


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

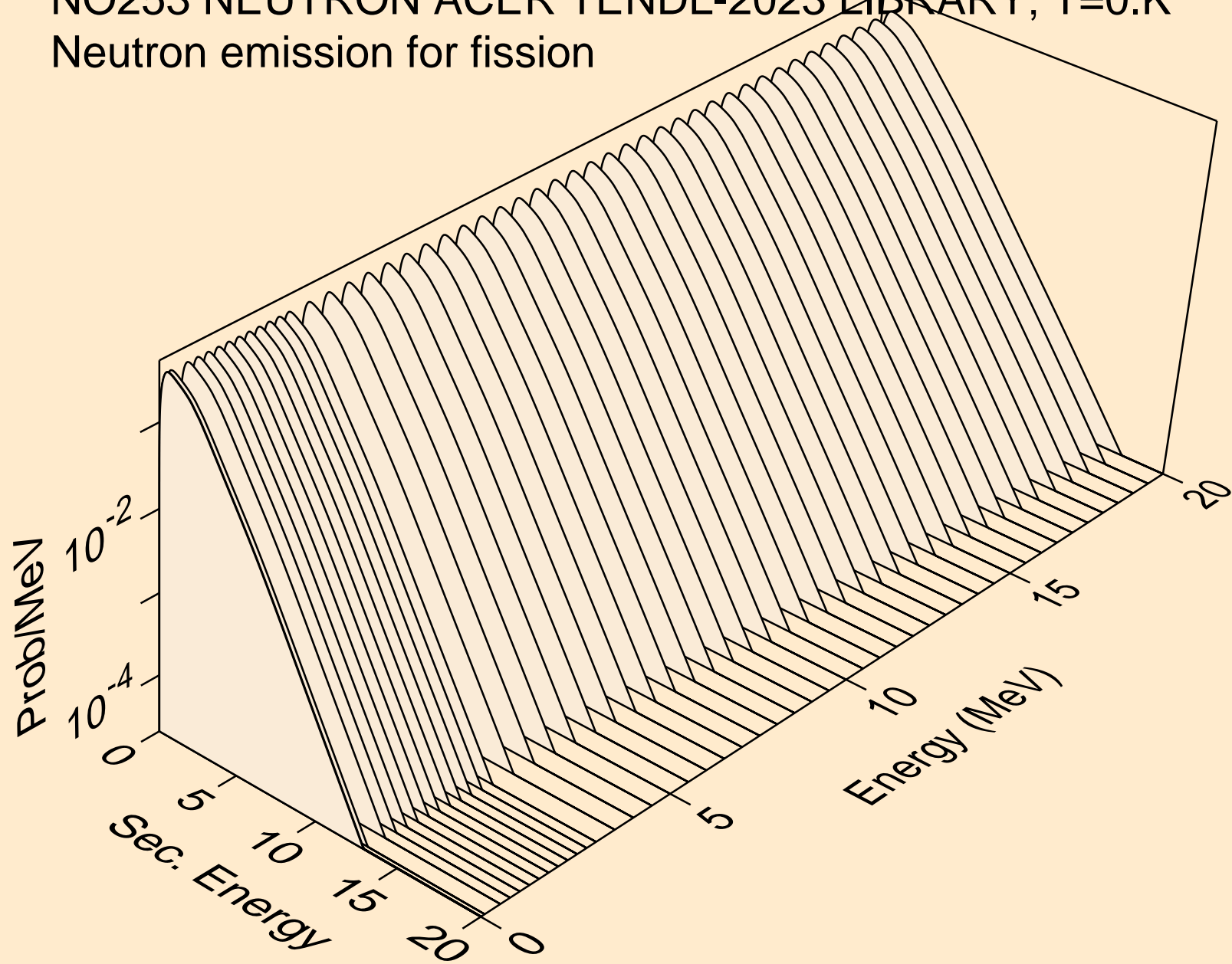




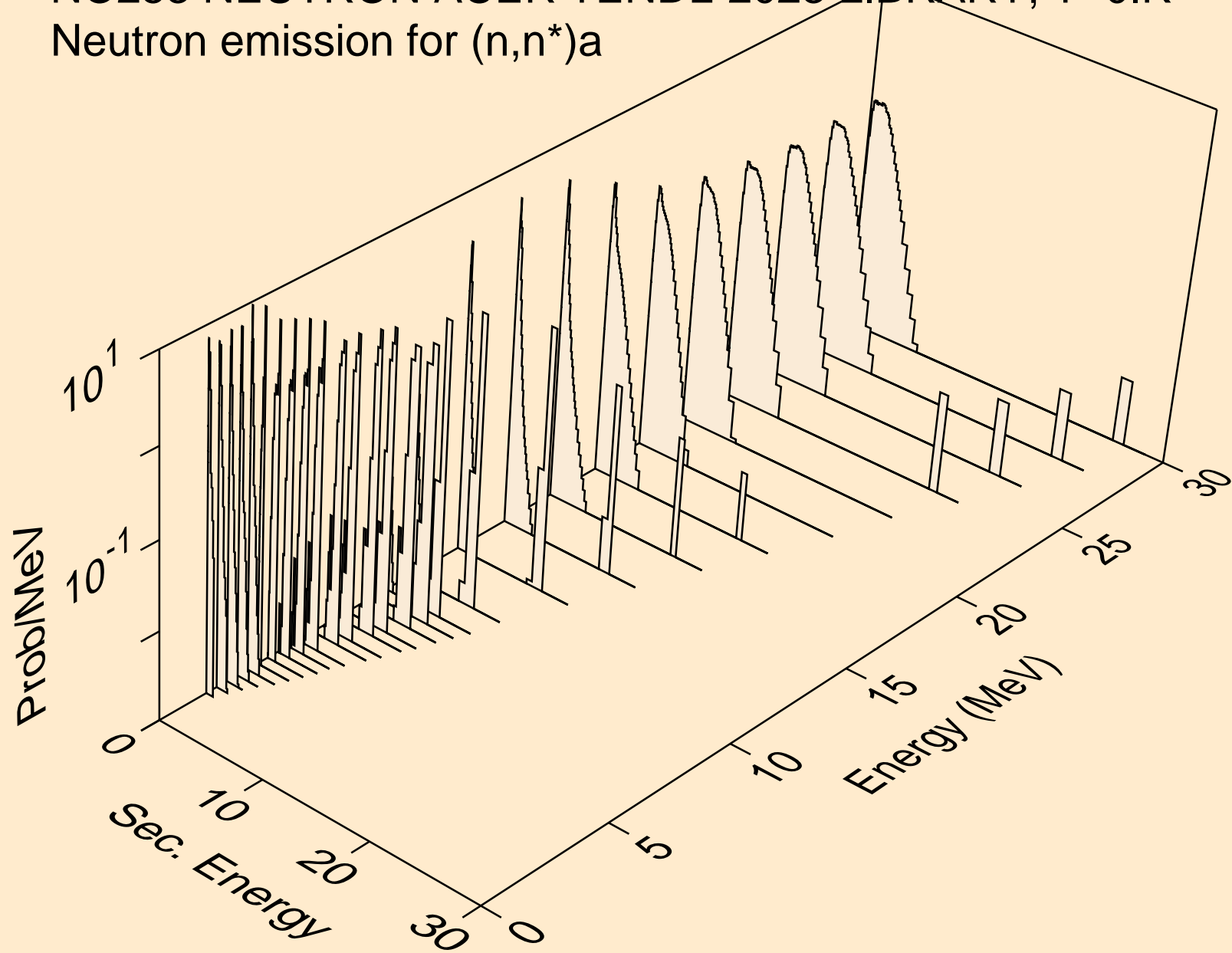
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



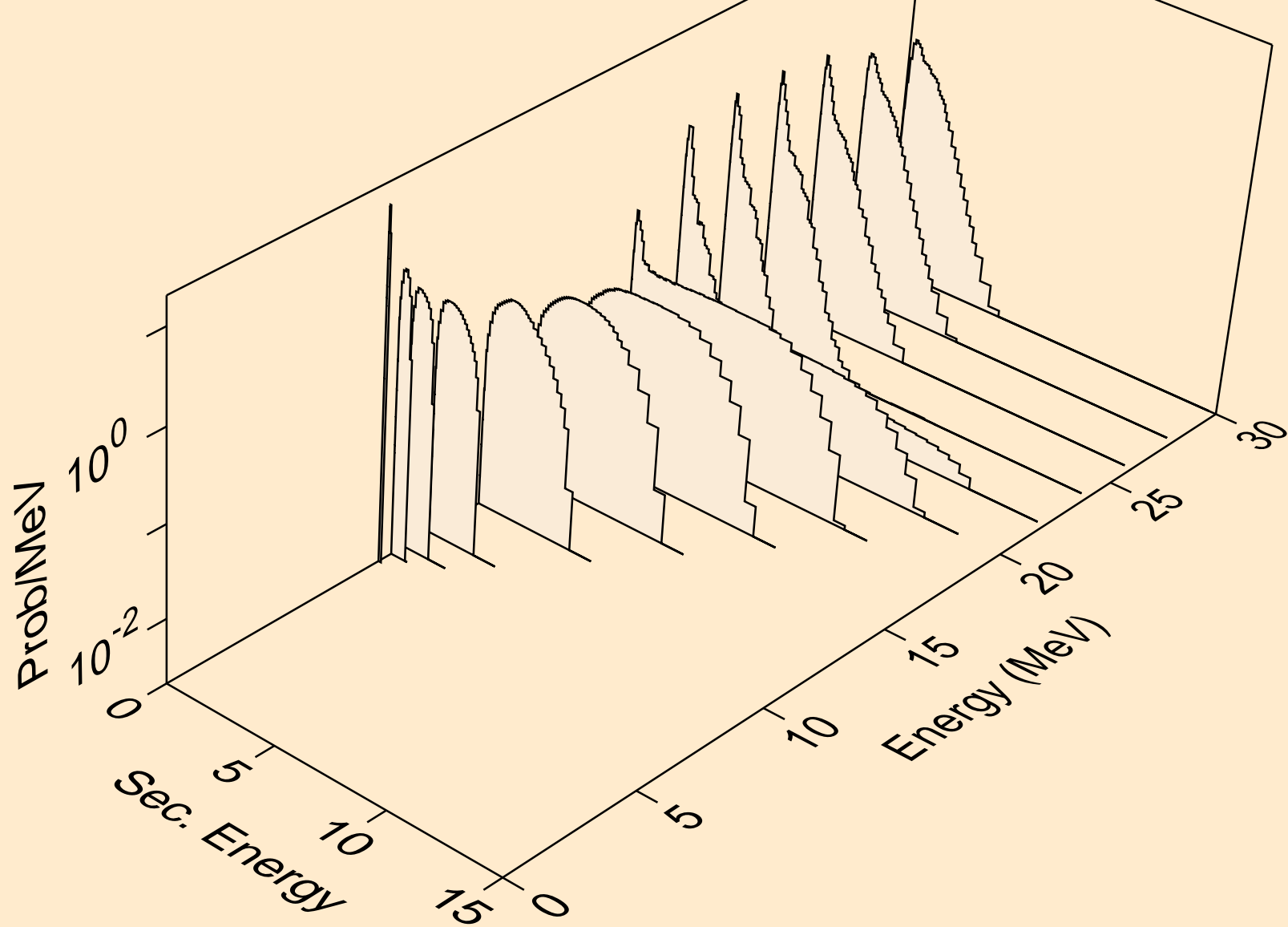
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



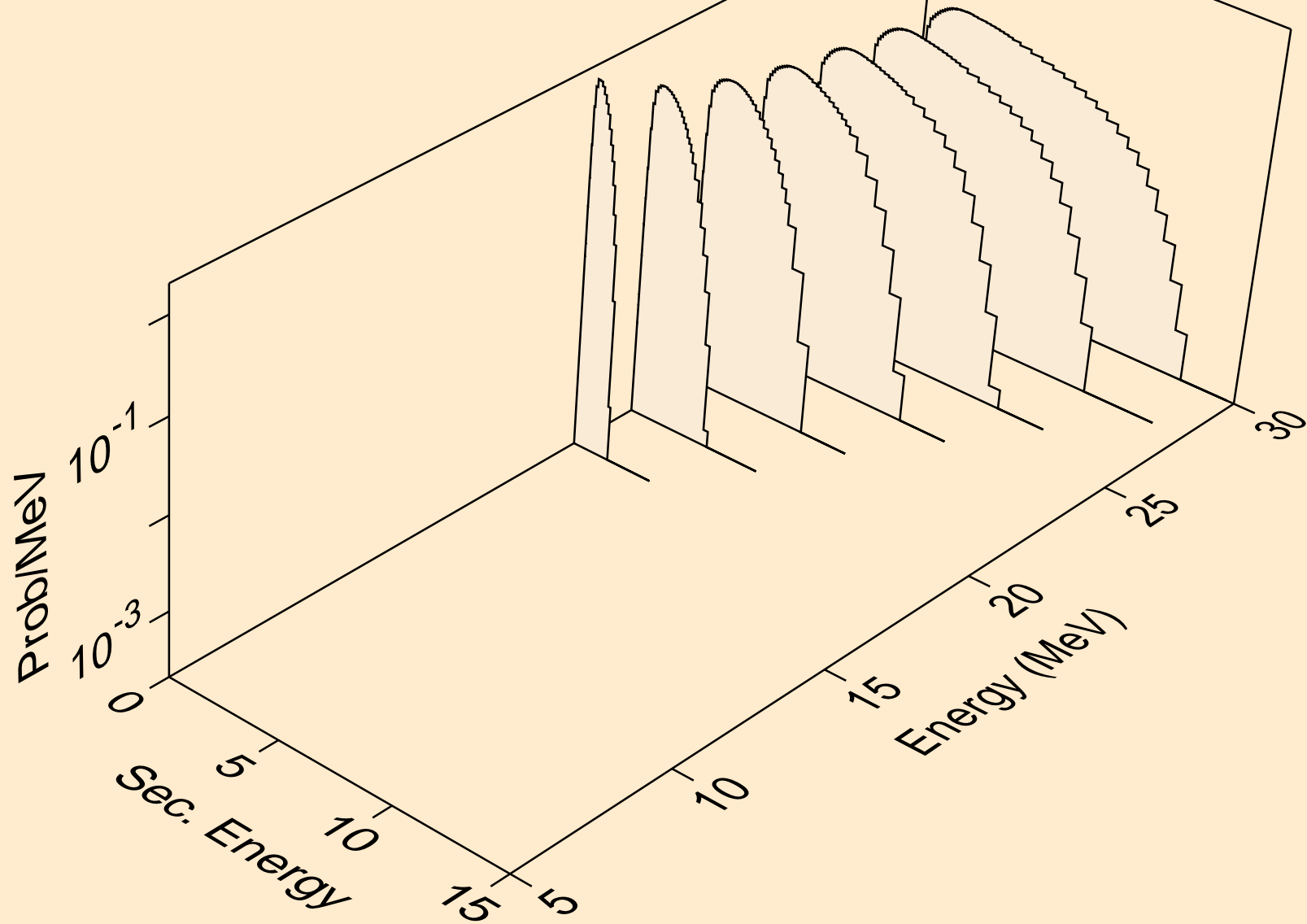
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



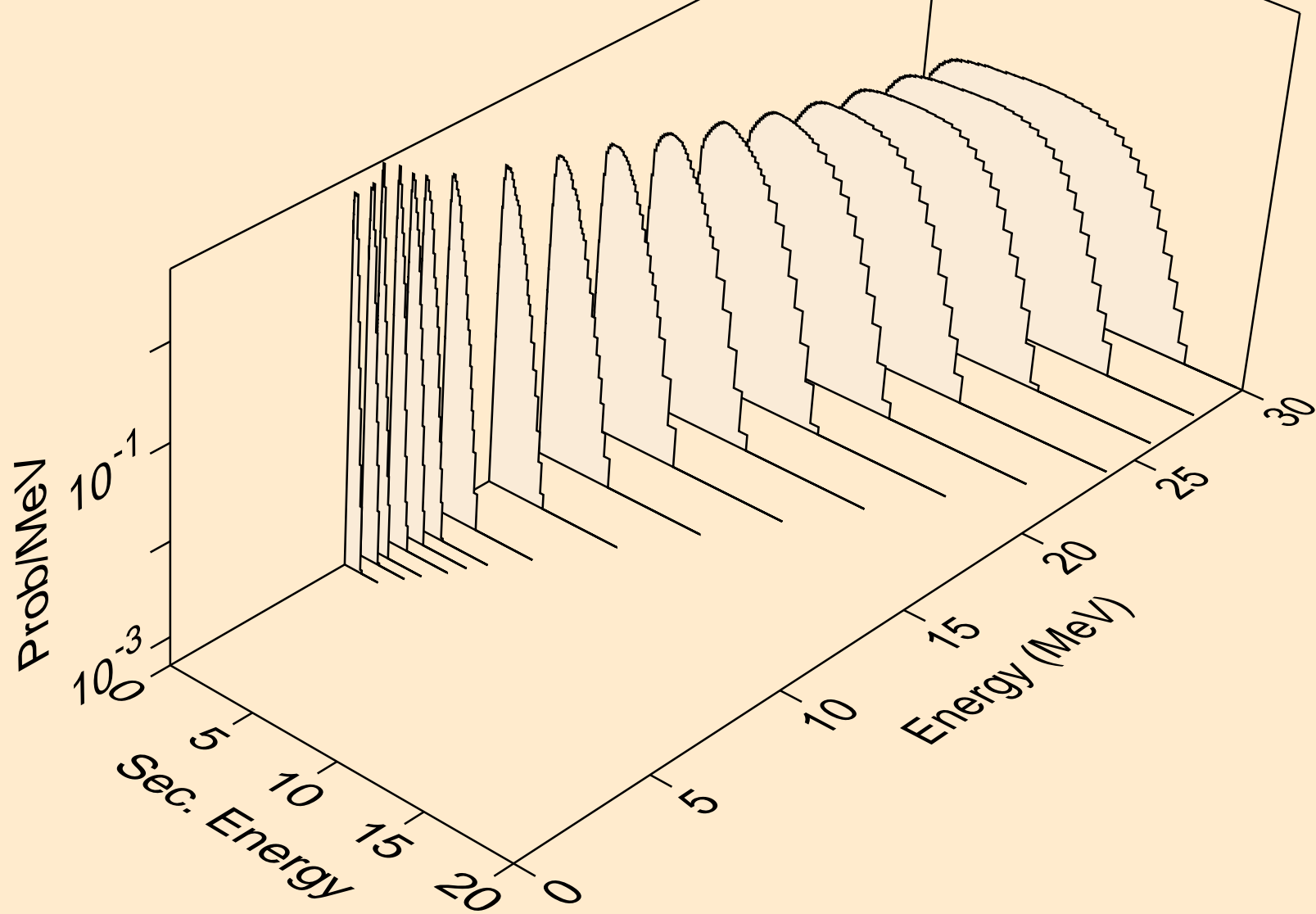
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



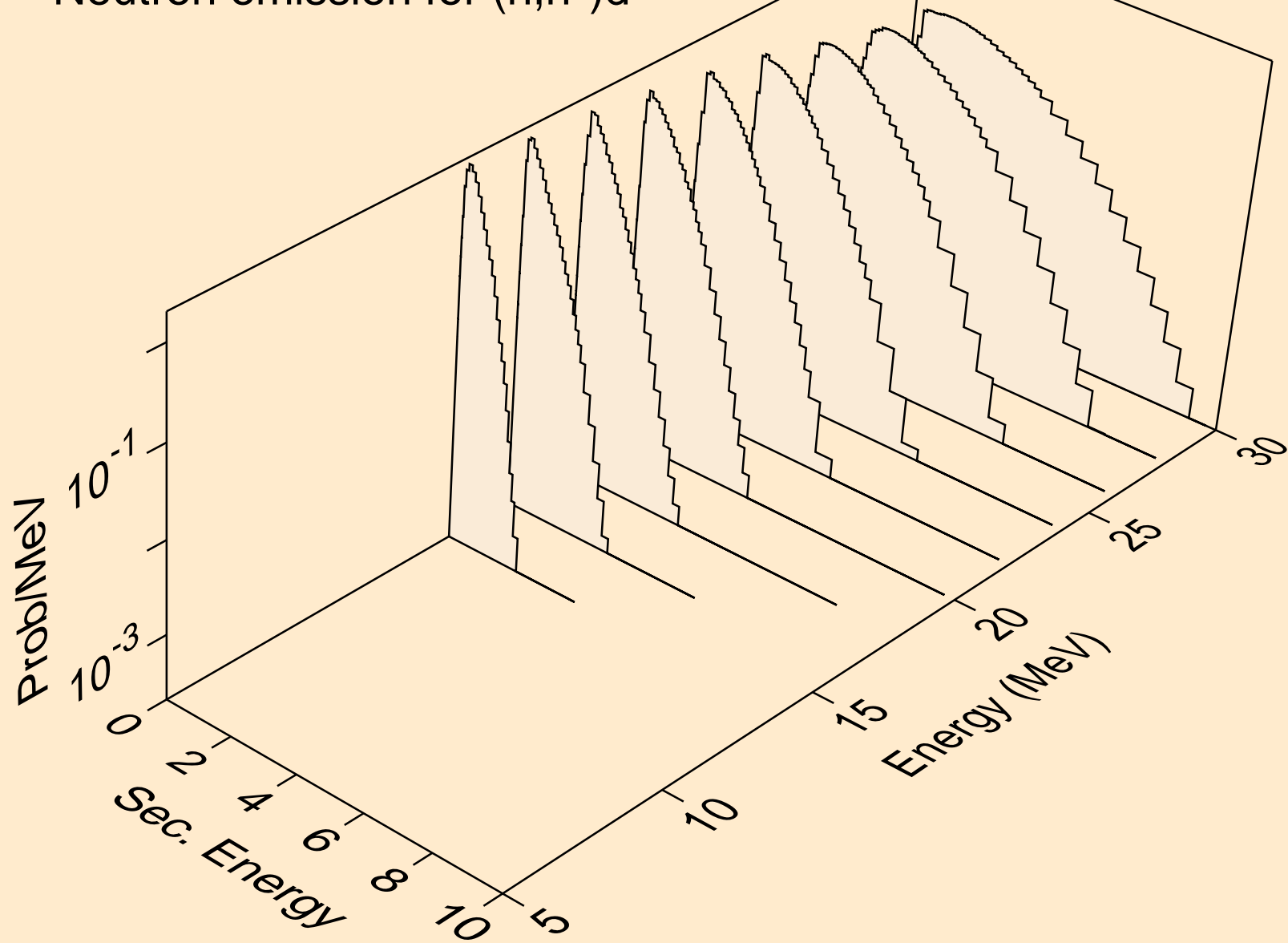
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



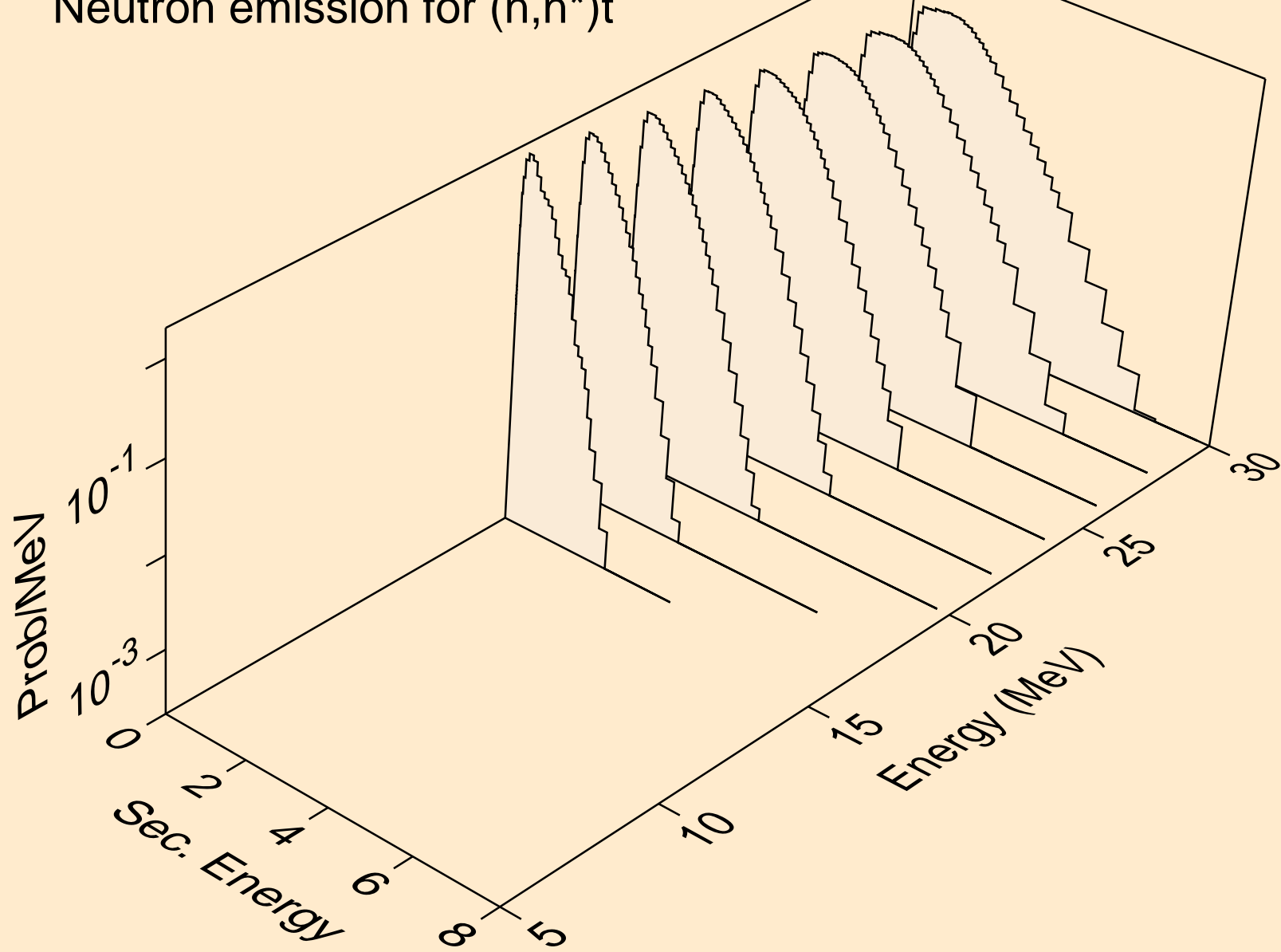
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

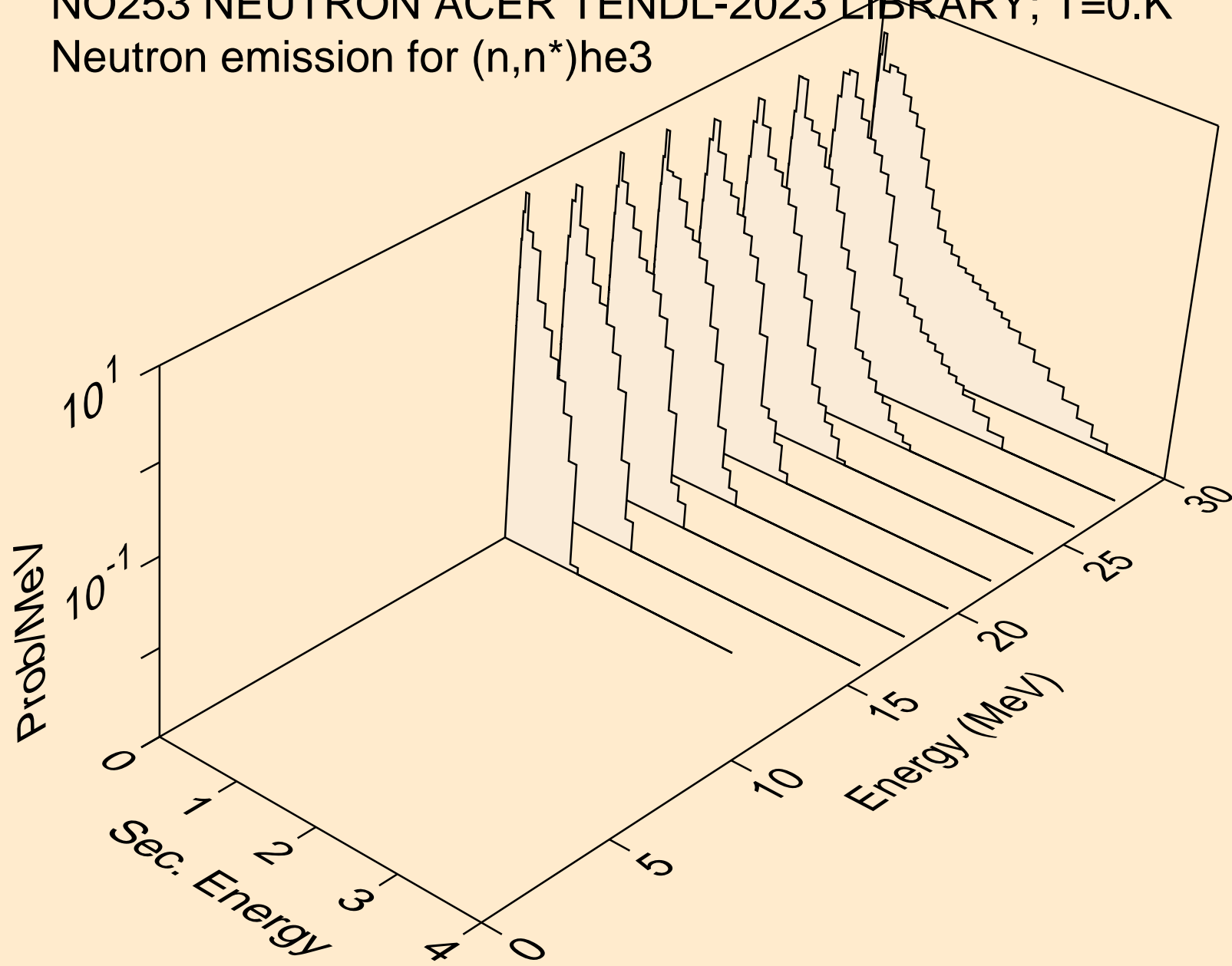


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

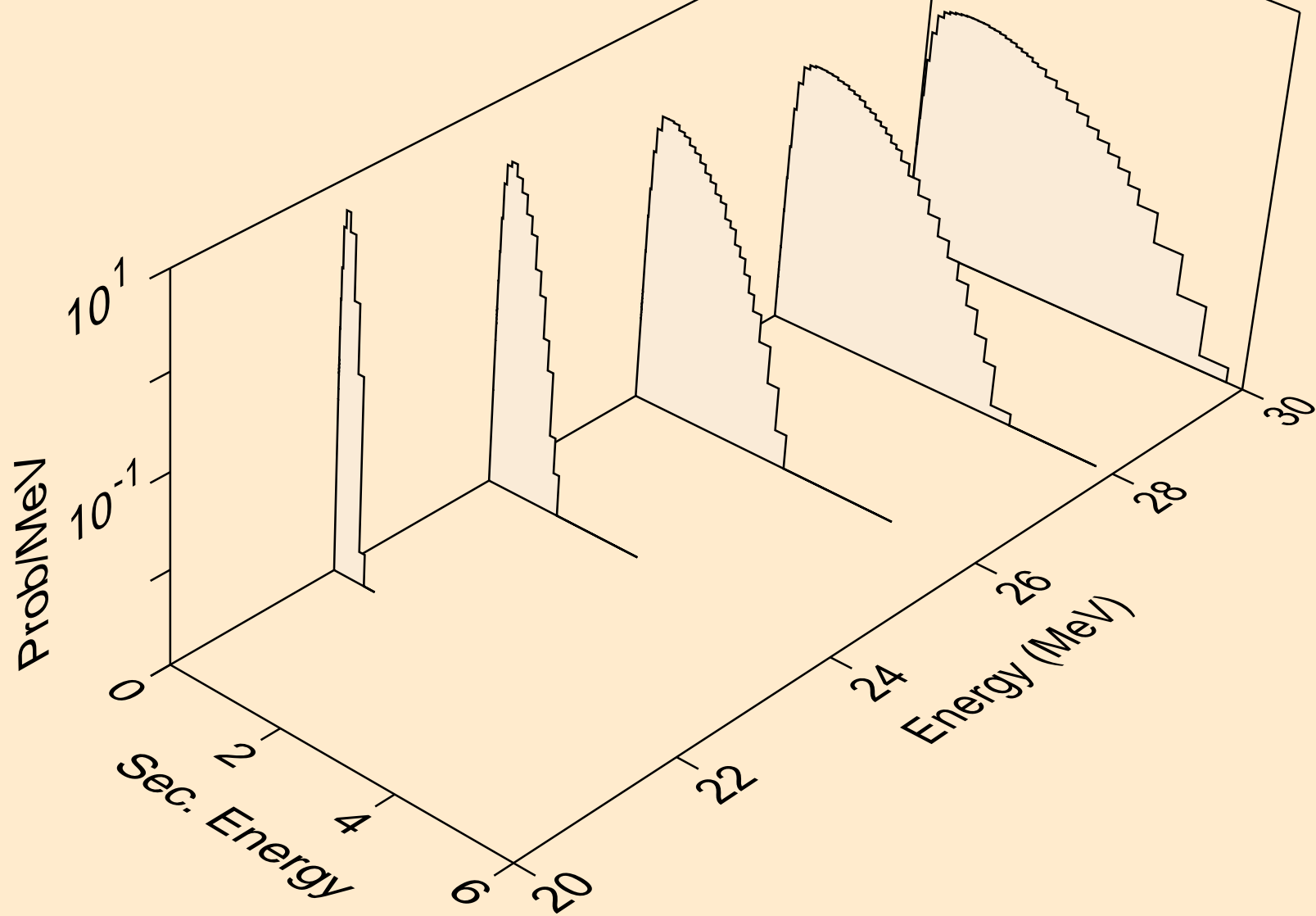




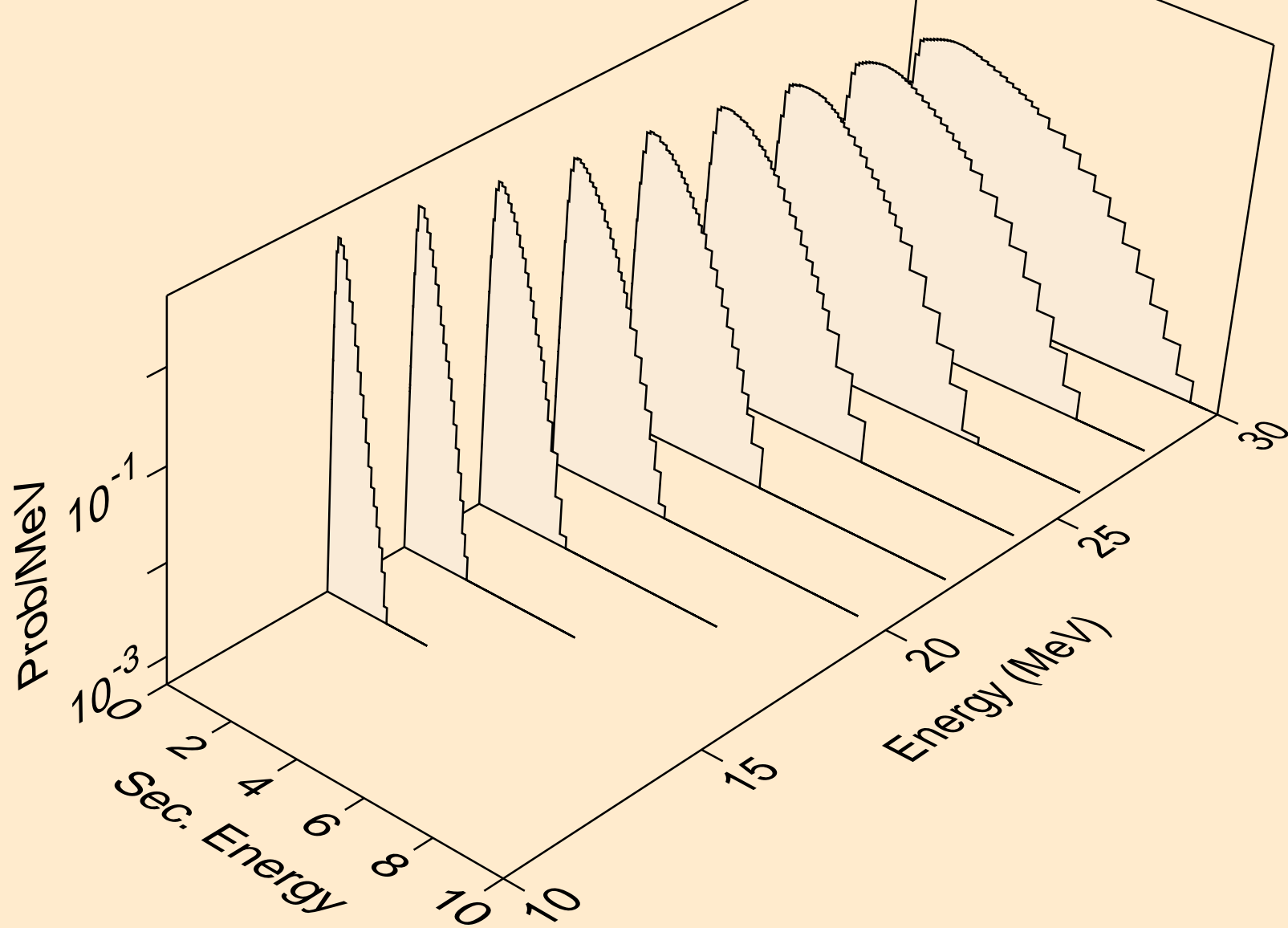
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



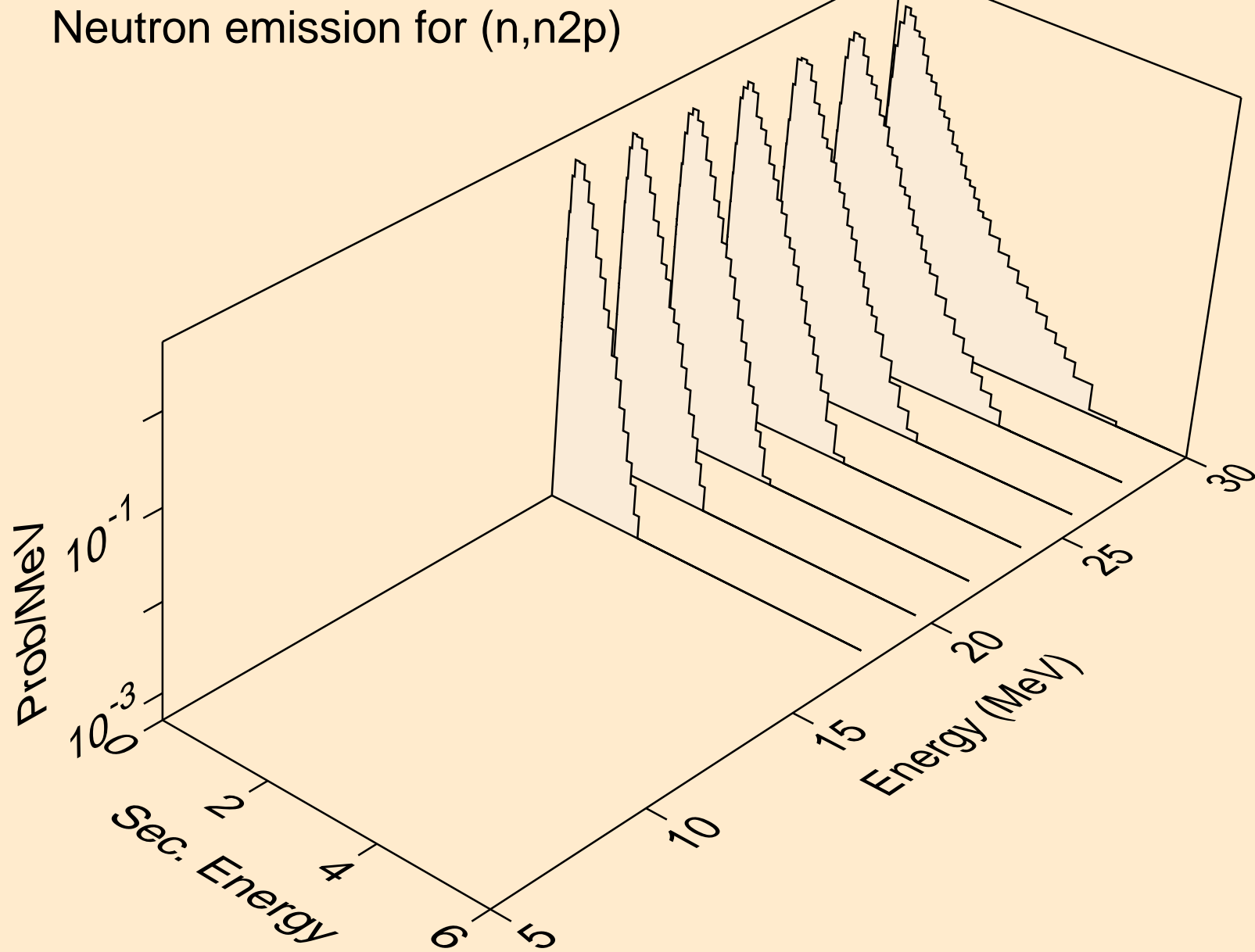
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



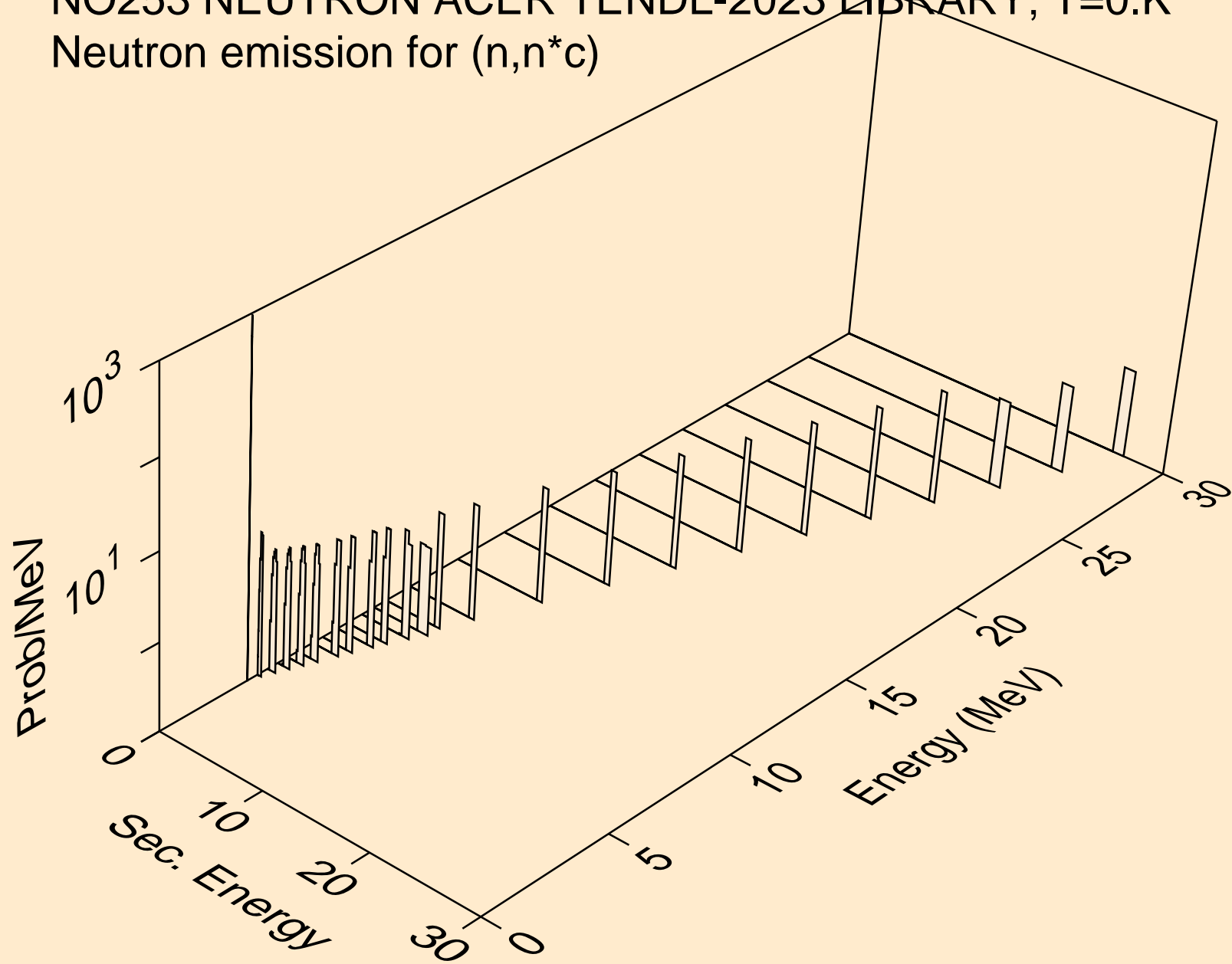
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

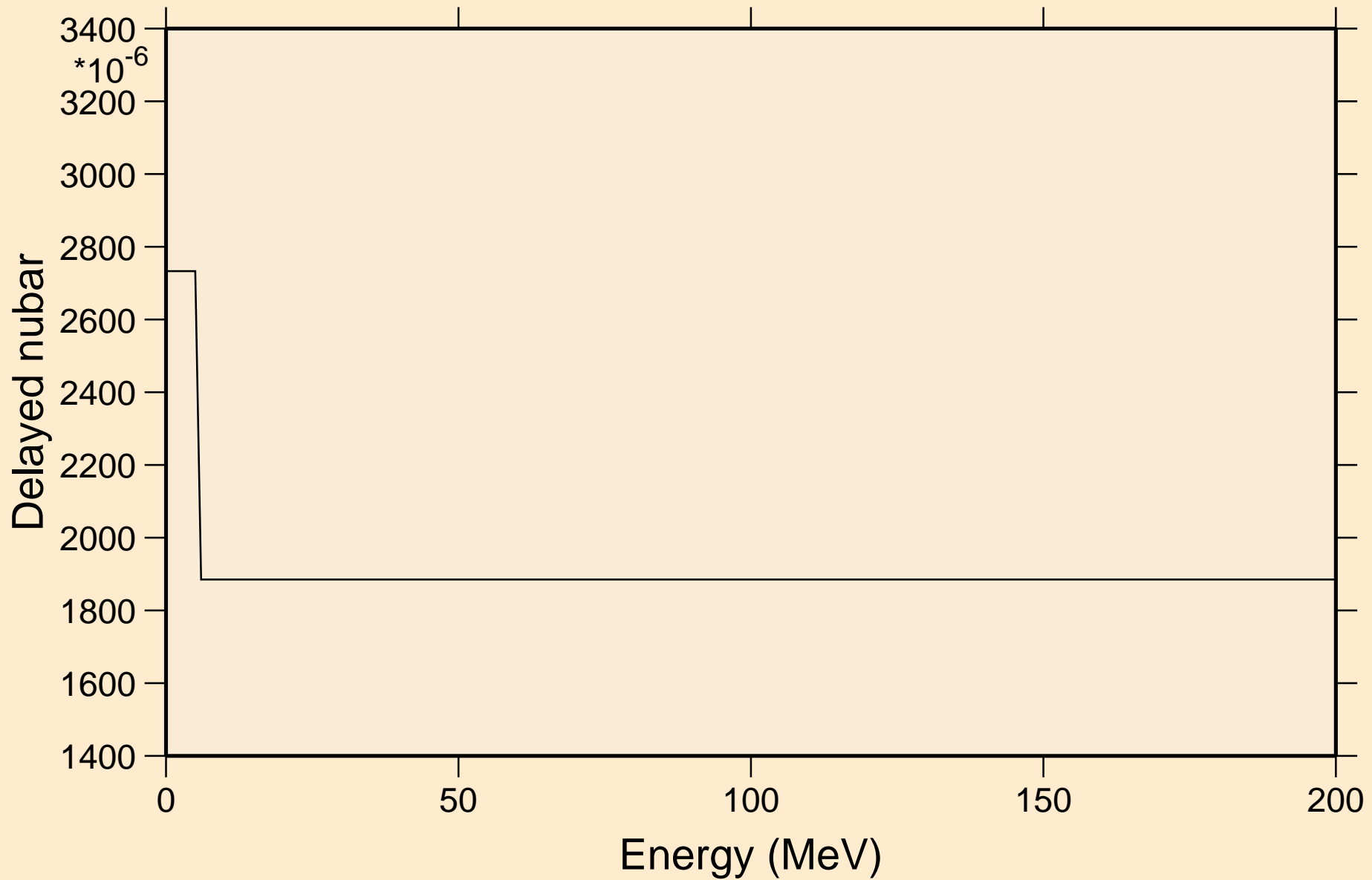


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



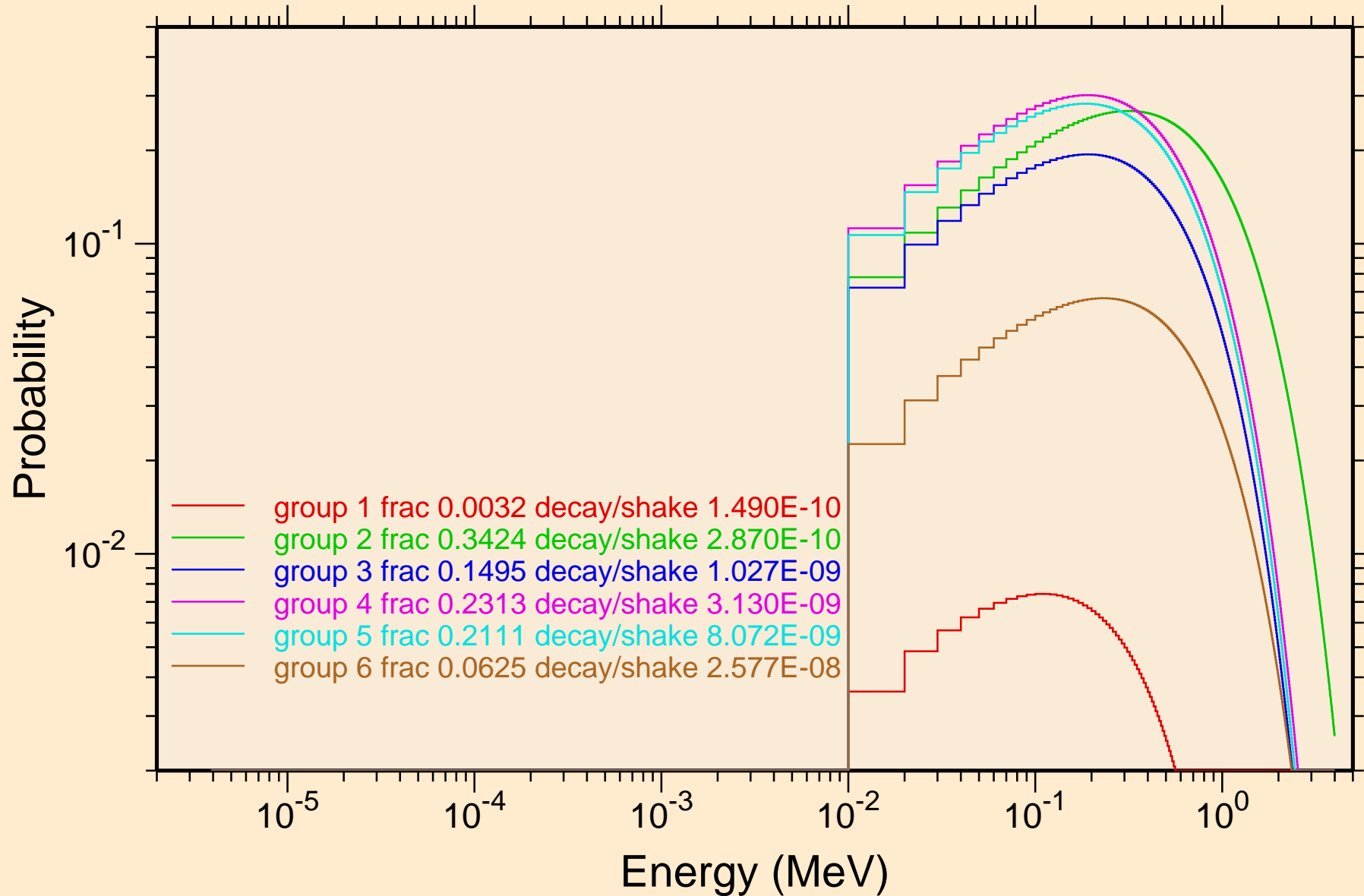
# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed nubar

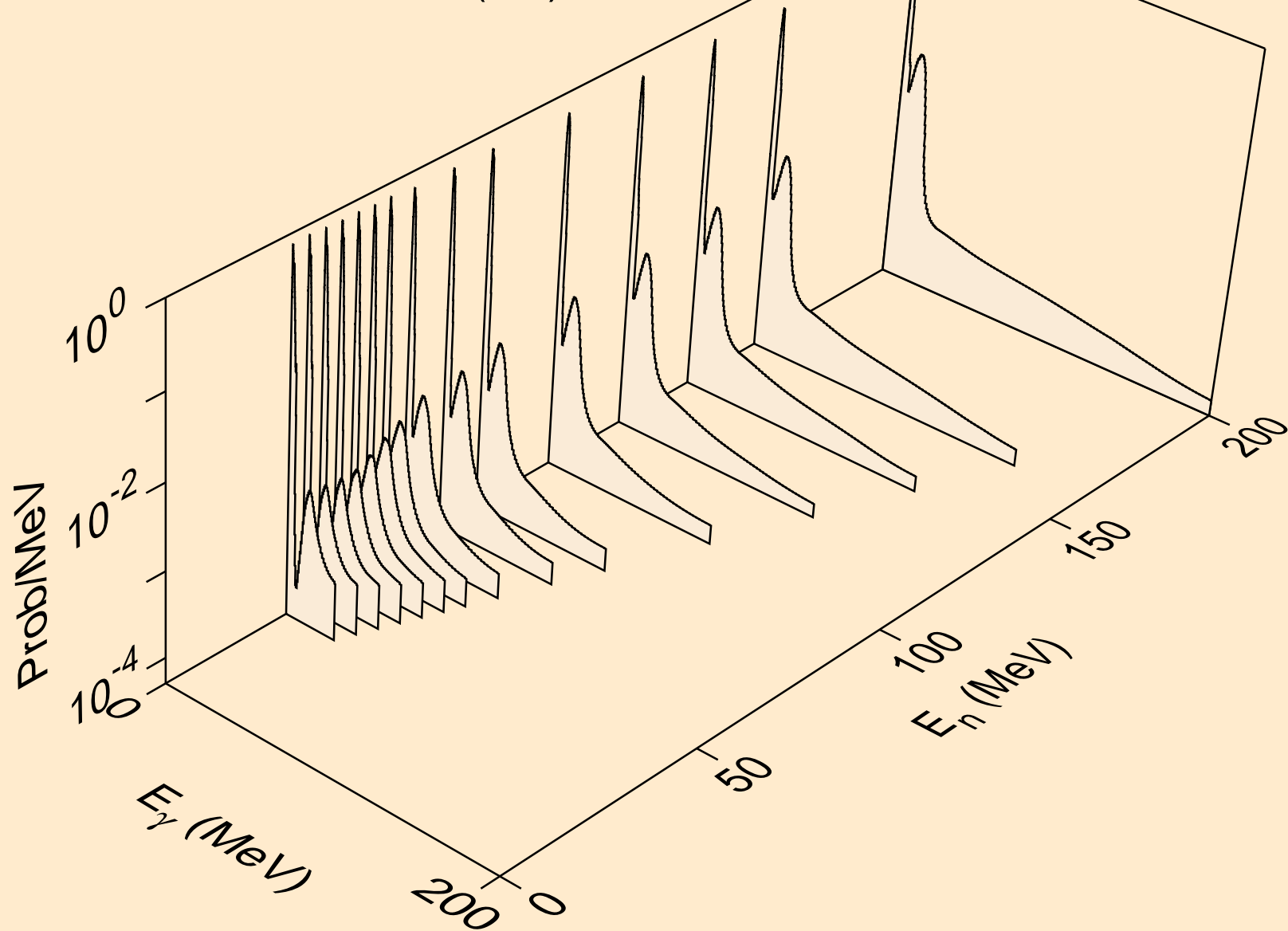


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Delayed neutron spectra

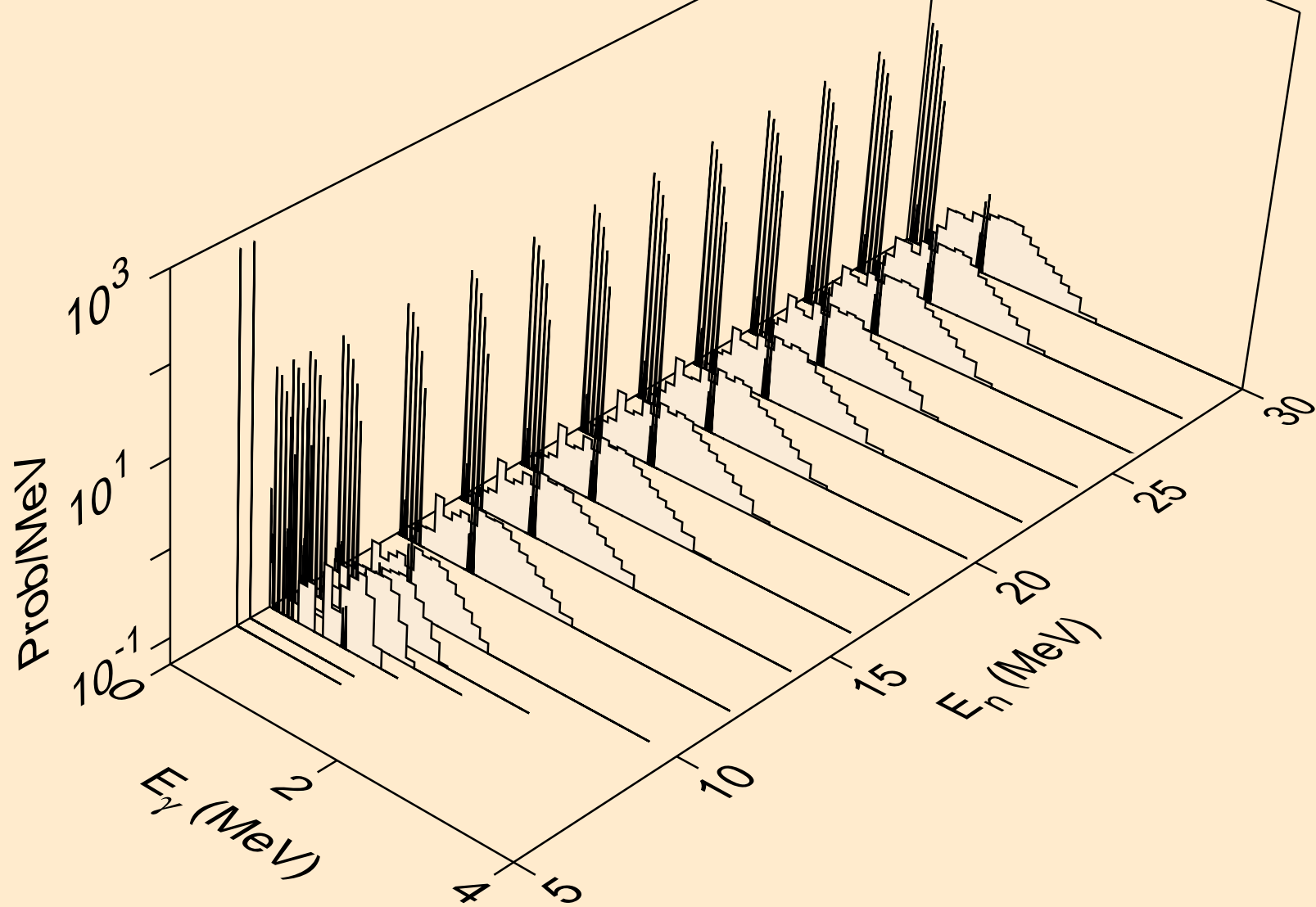


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

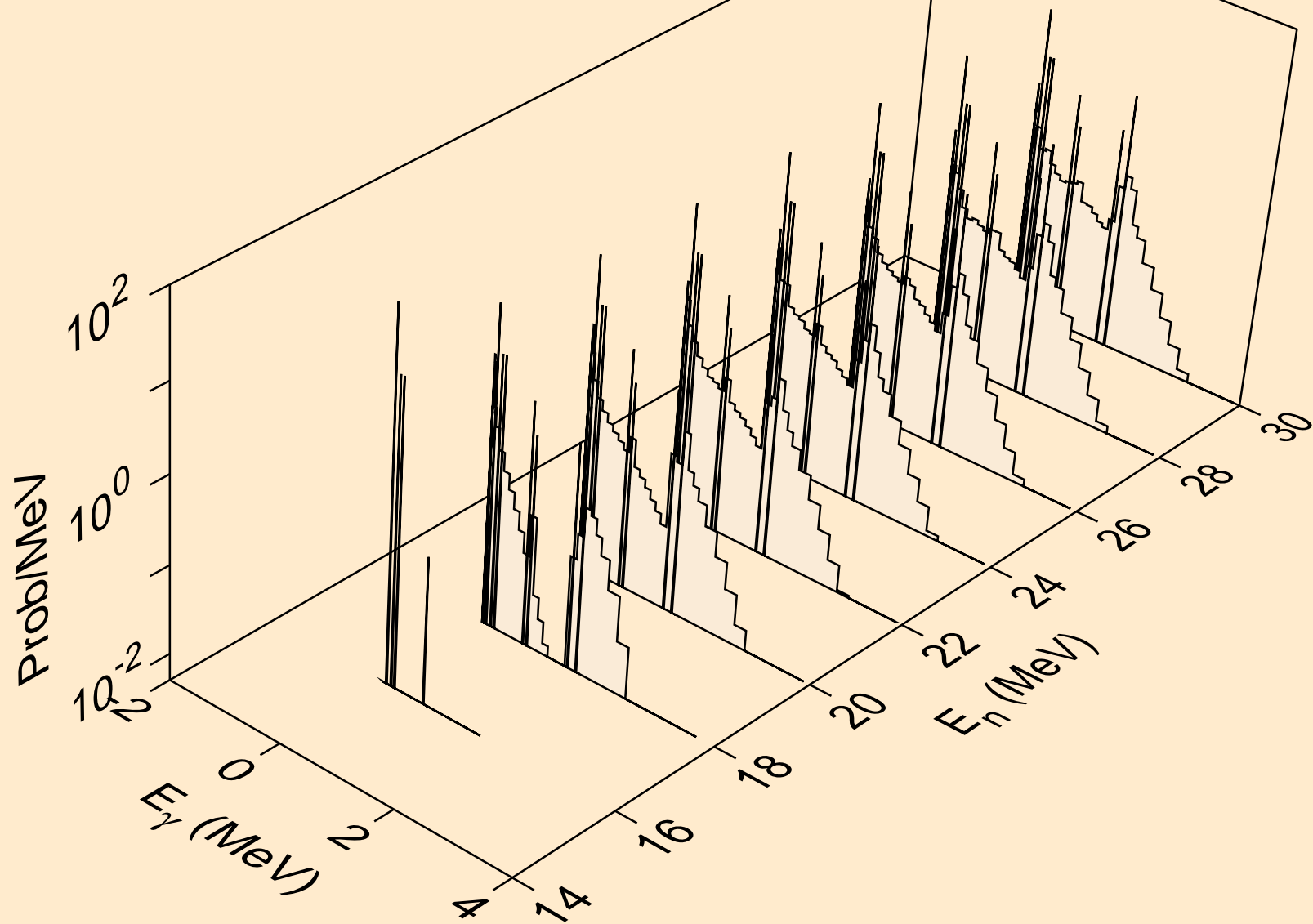




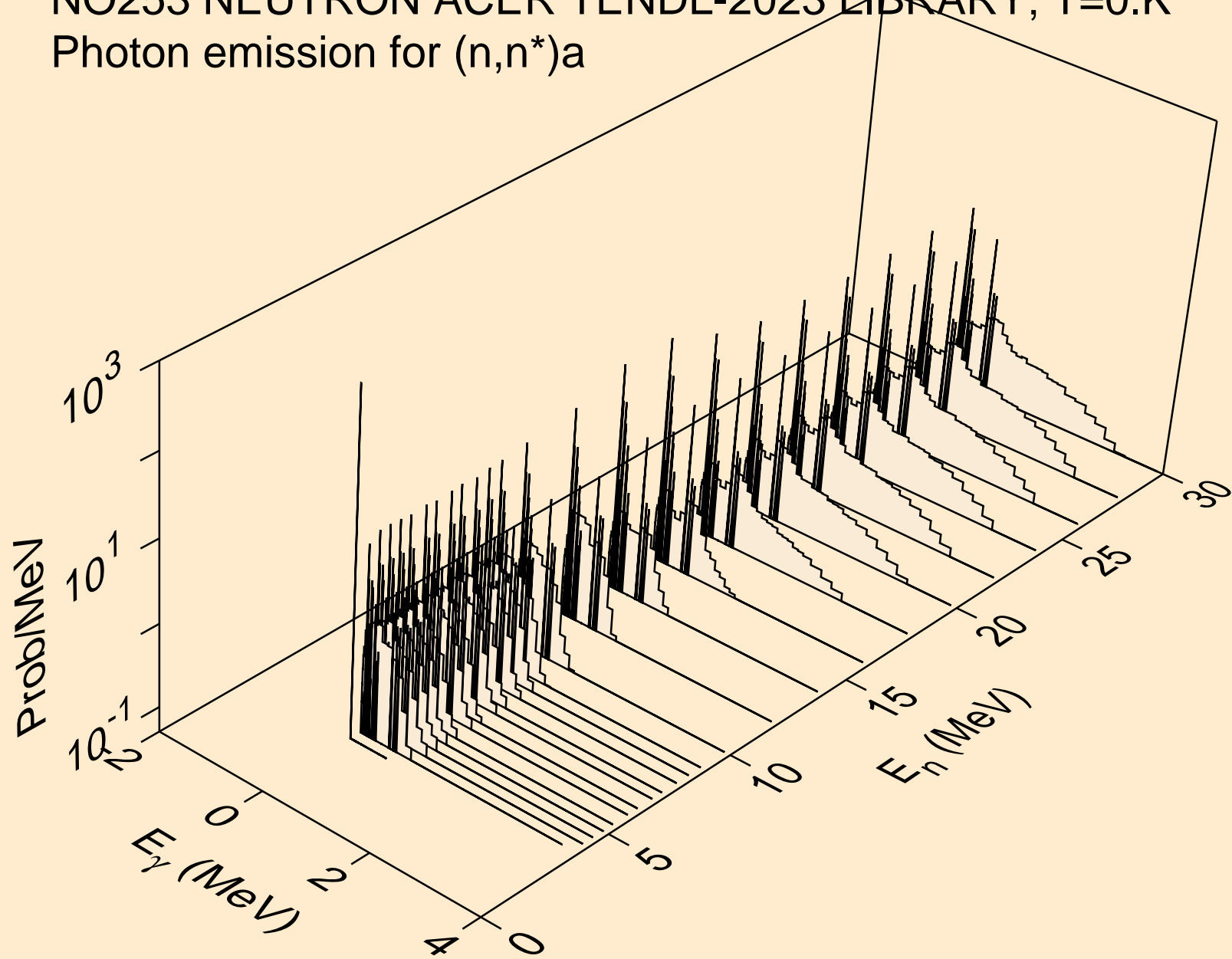
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



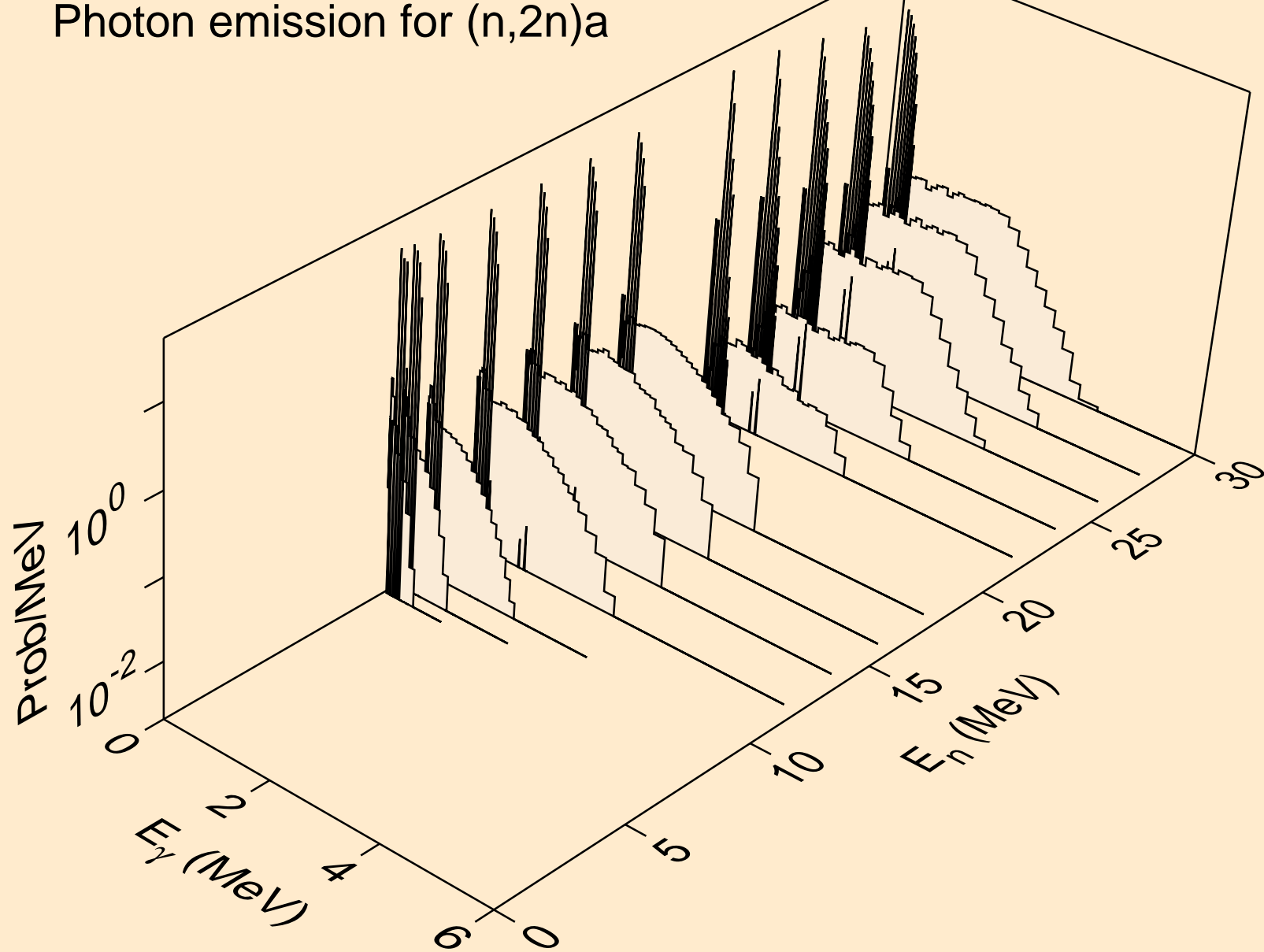
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Photon emission for (n,3n)



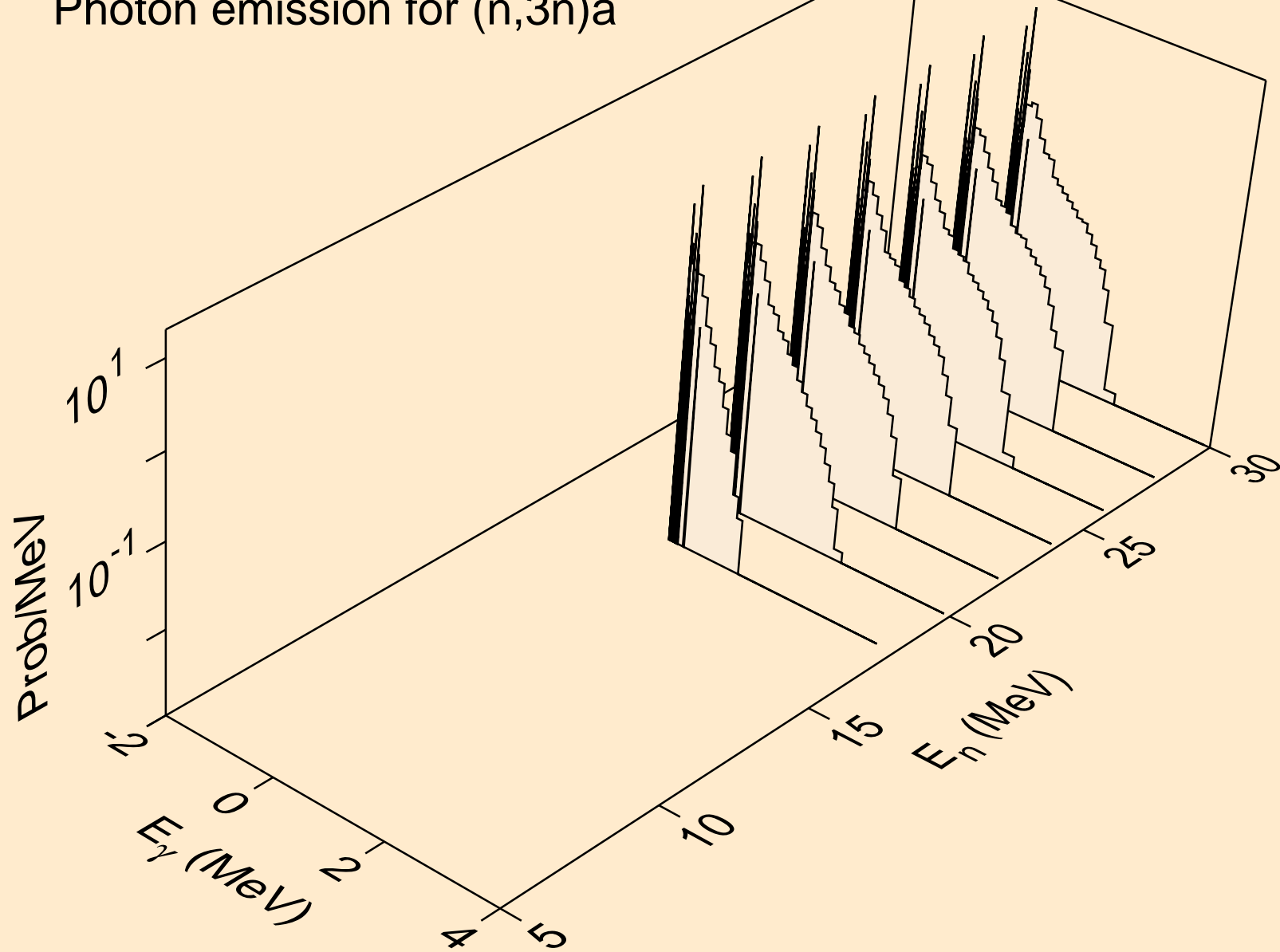
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



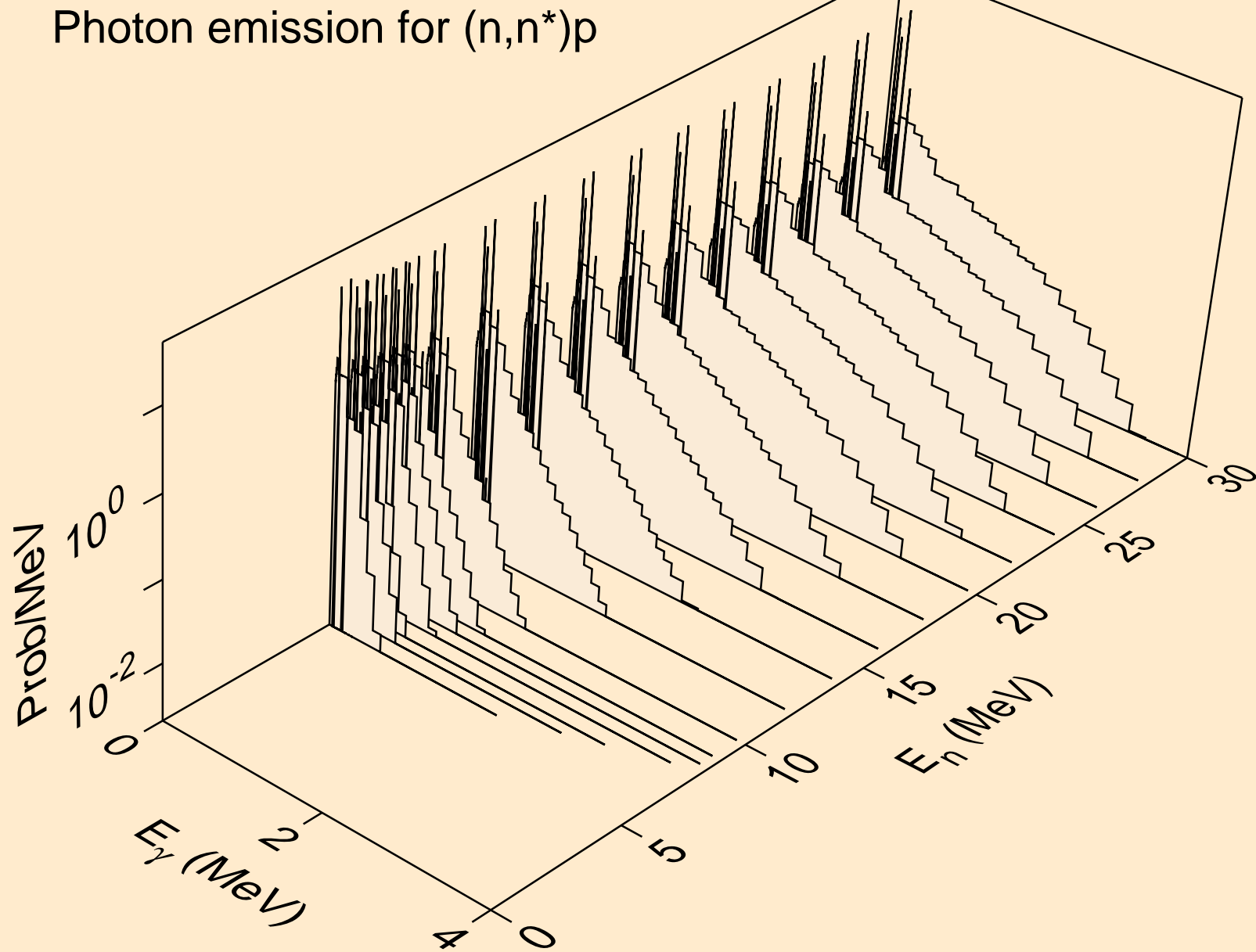
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



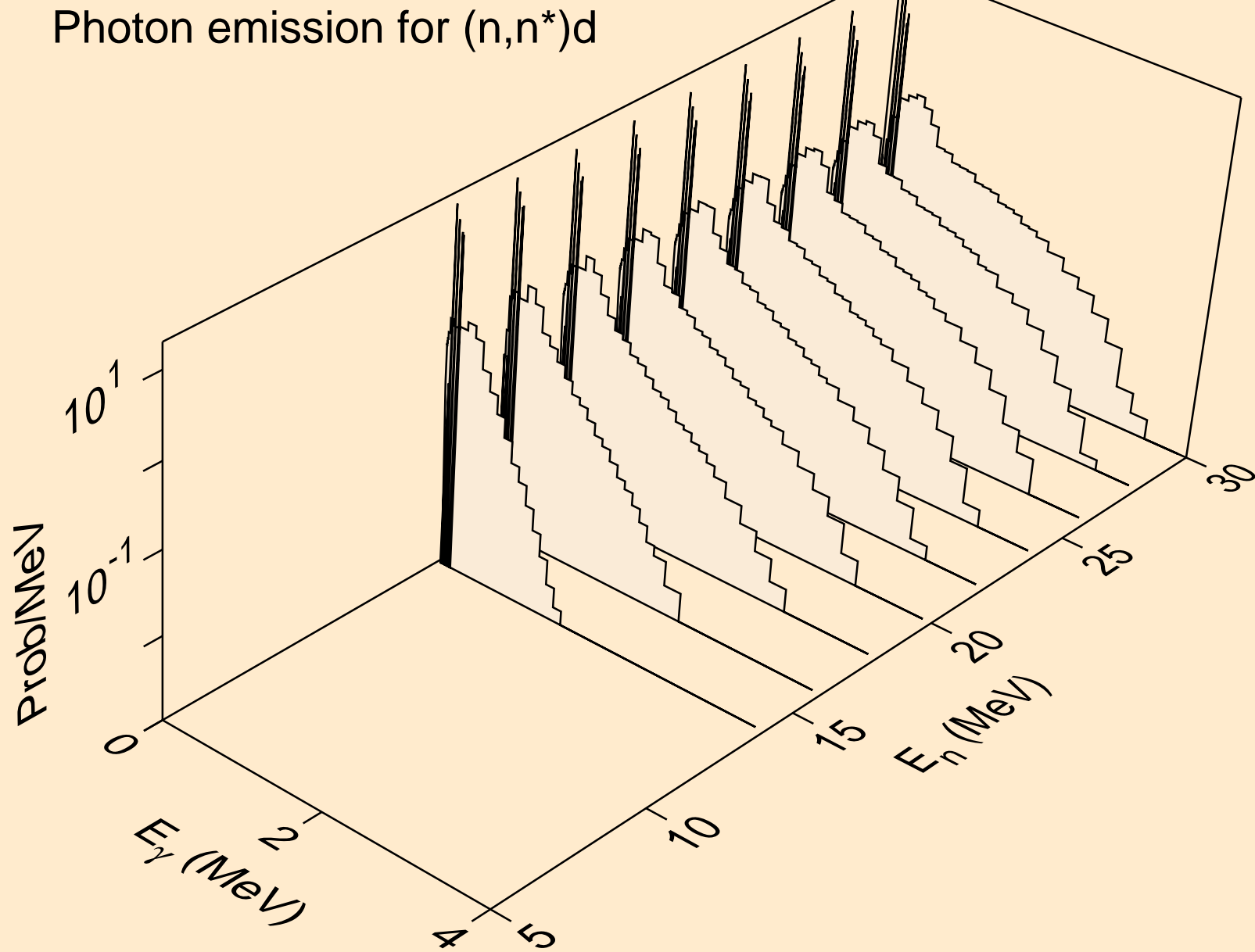
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Photon emission for (n,3n)a



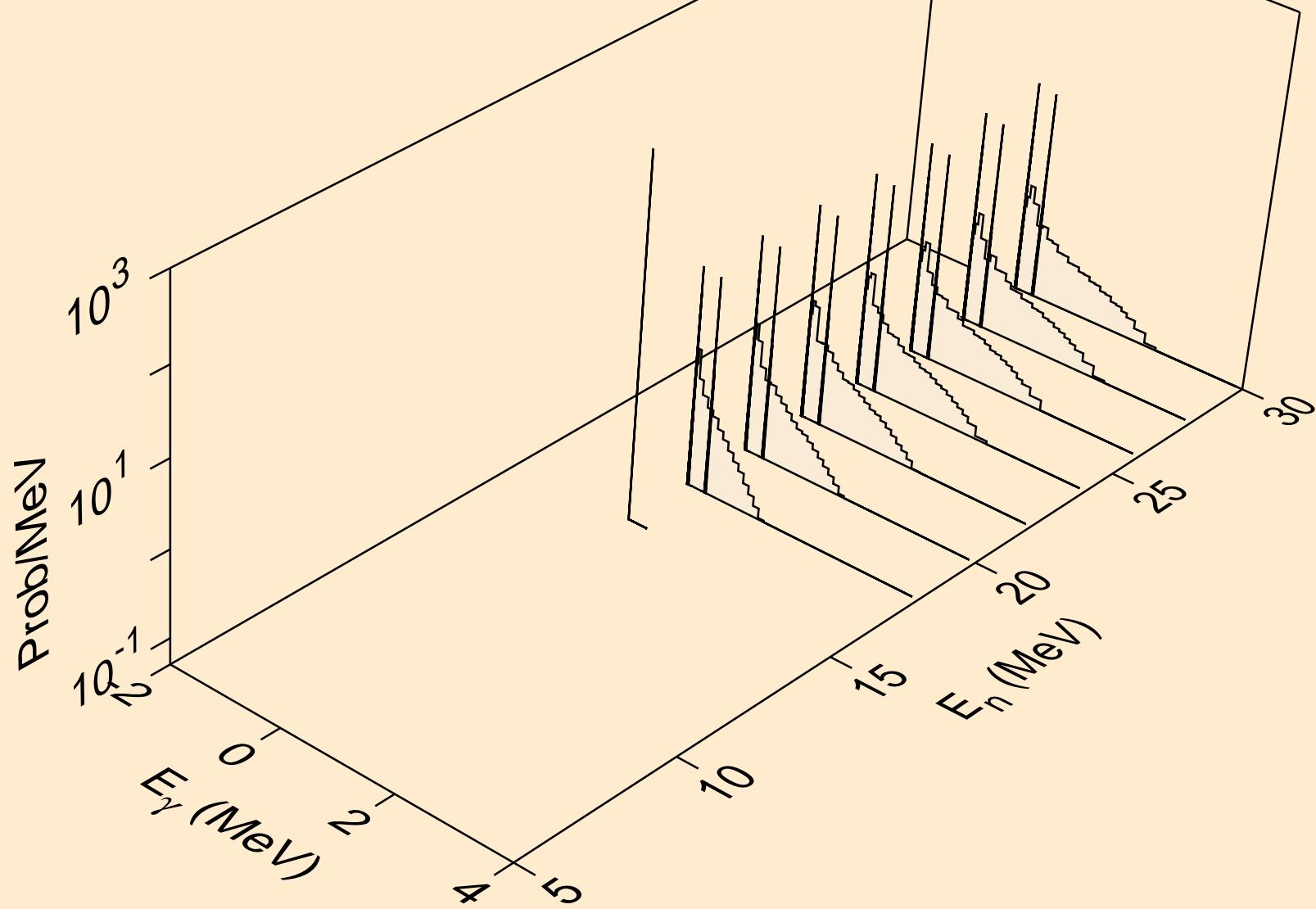
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

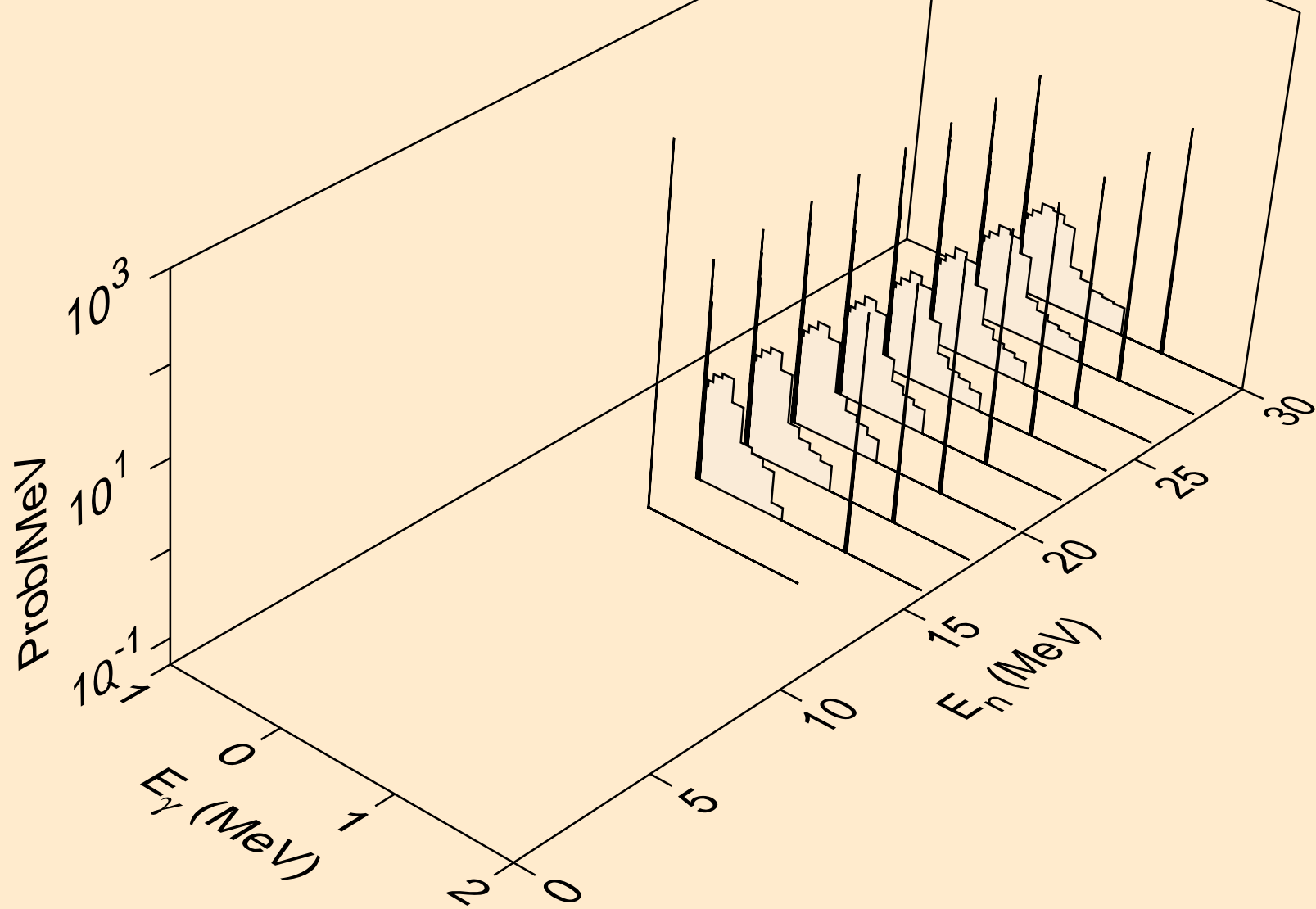


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

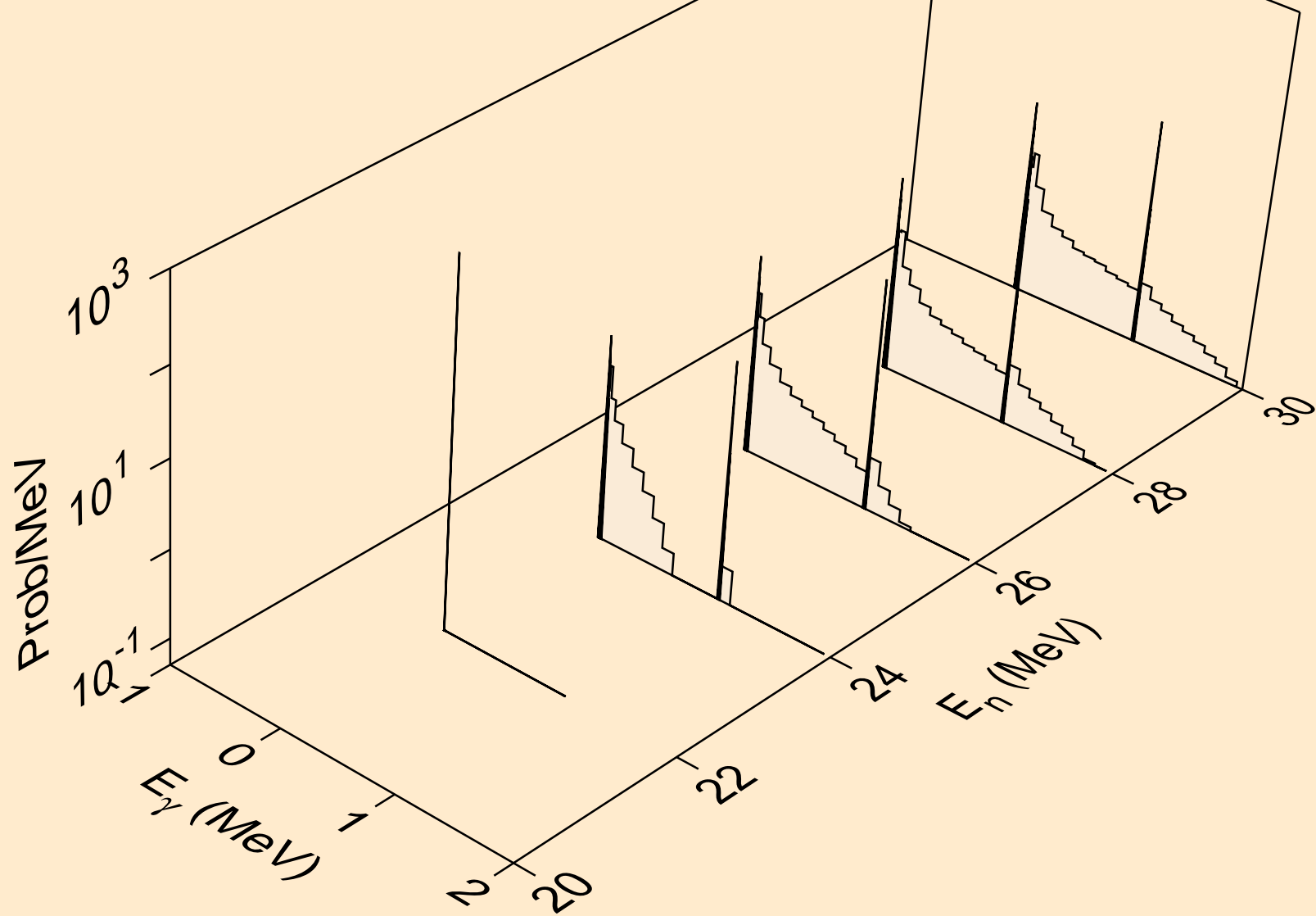




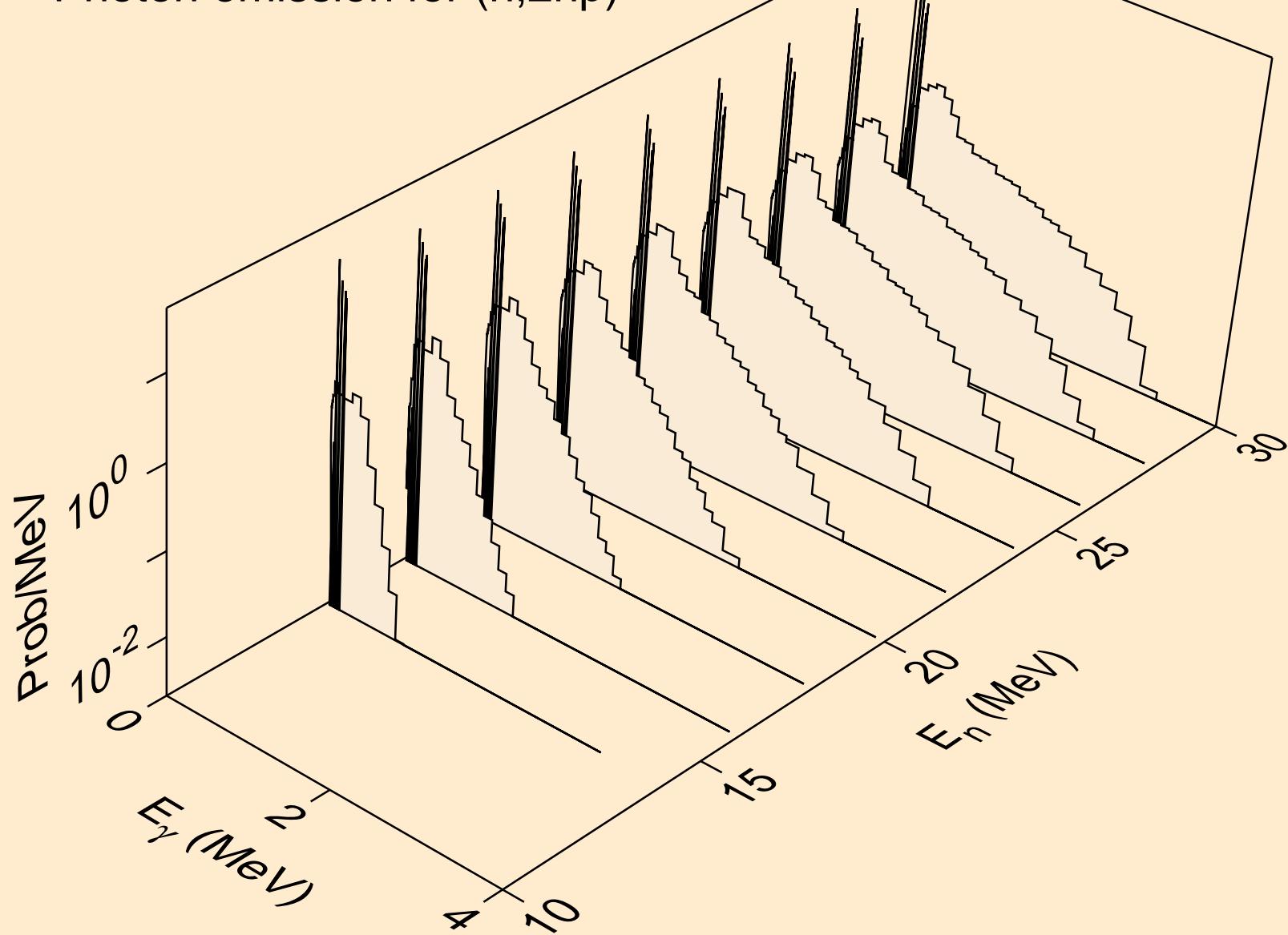
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Photon emission for (n,n\*)he3



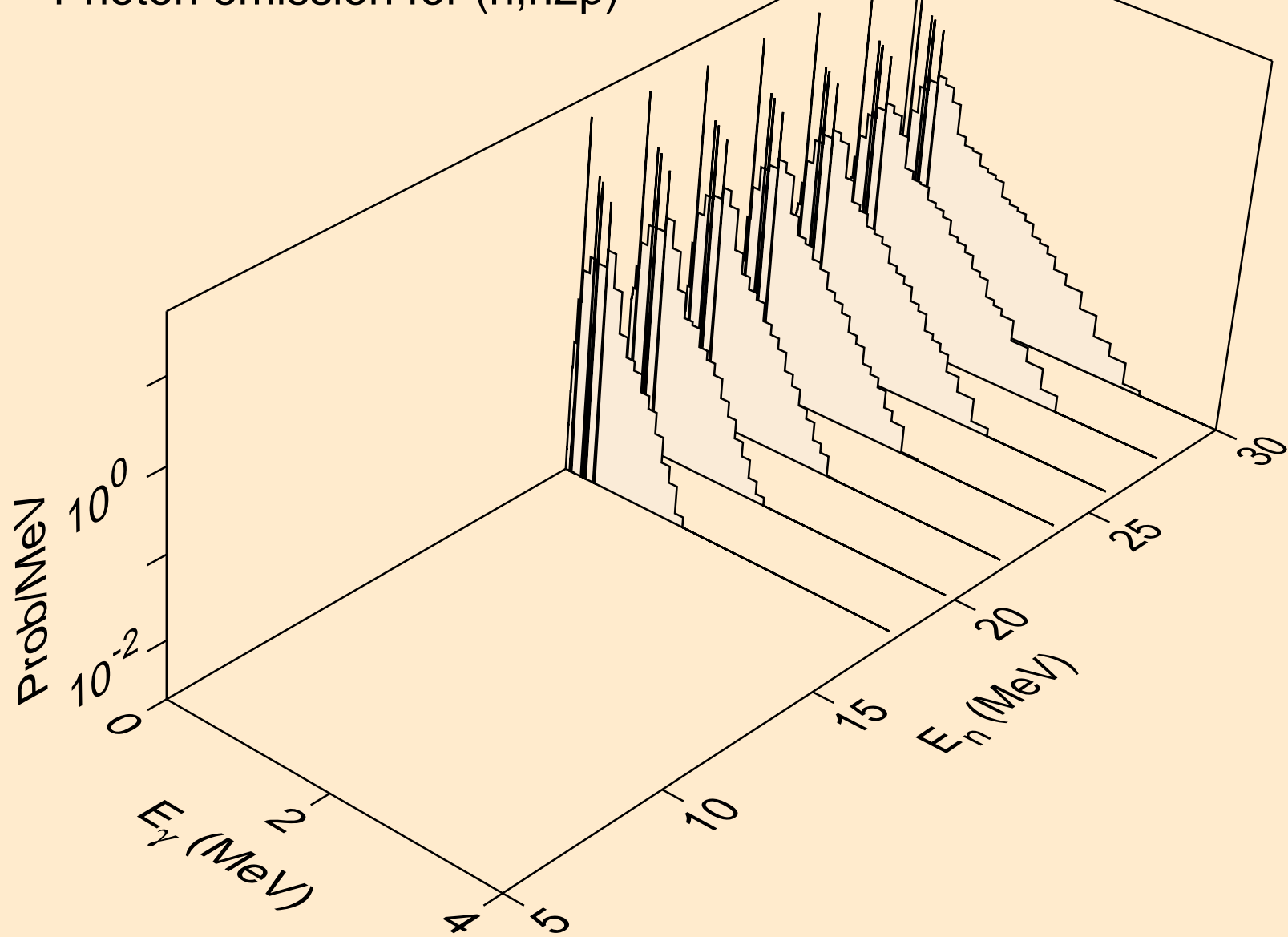
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Photon emission for (n,4n)



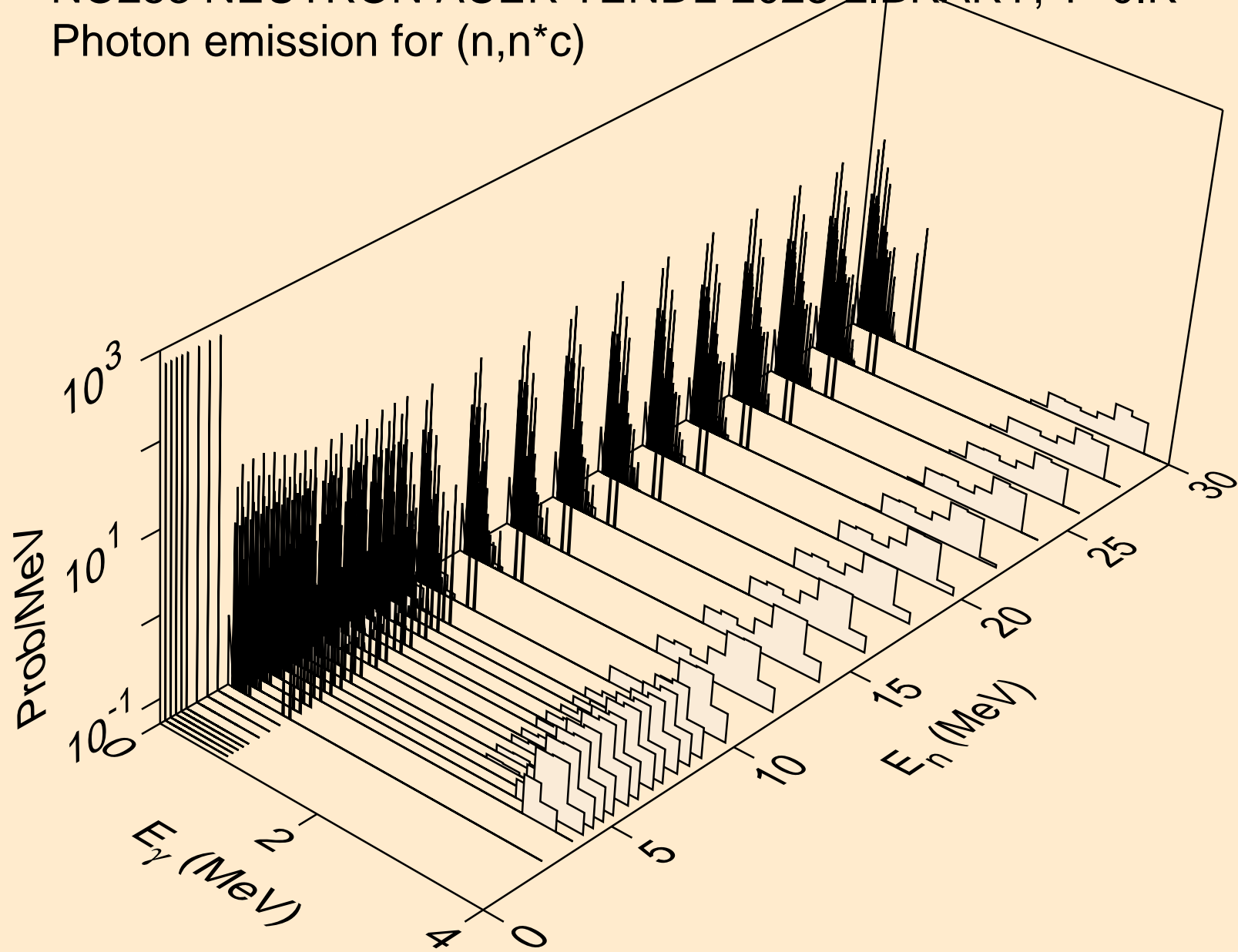
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Photon emission for (n,2np)



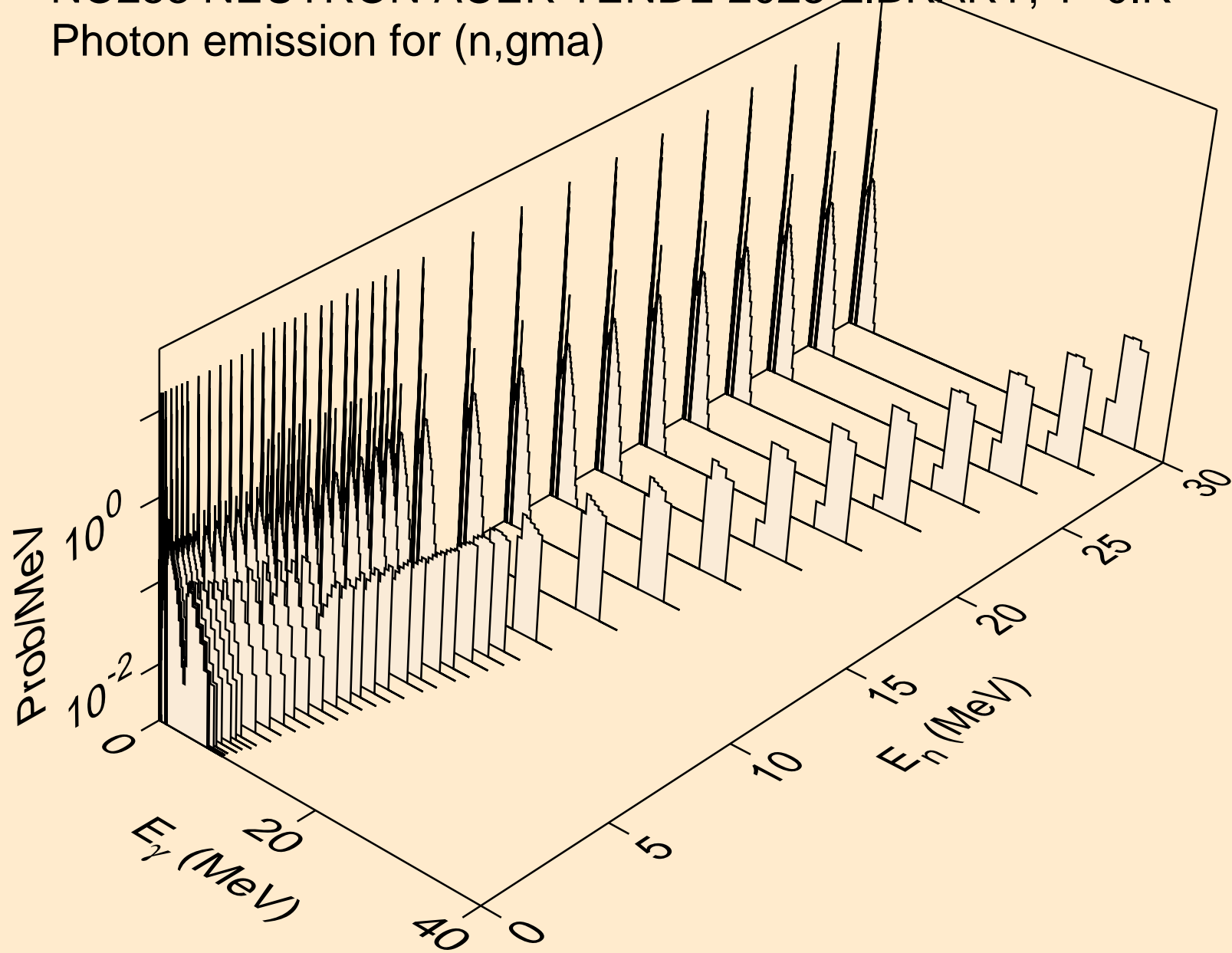
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Photon emission for (n,n2p)



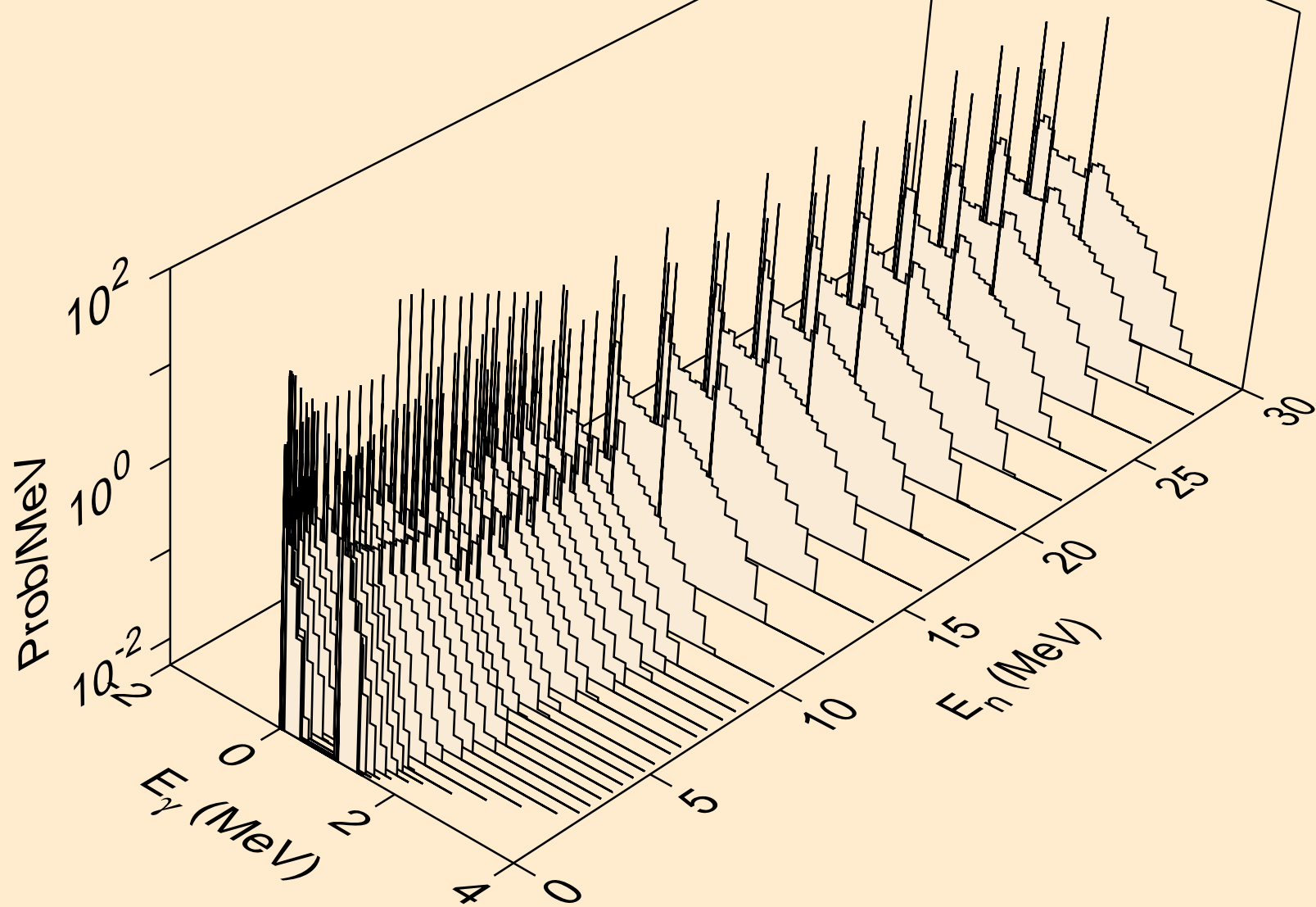
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Photon emission for (n,n\*c)



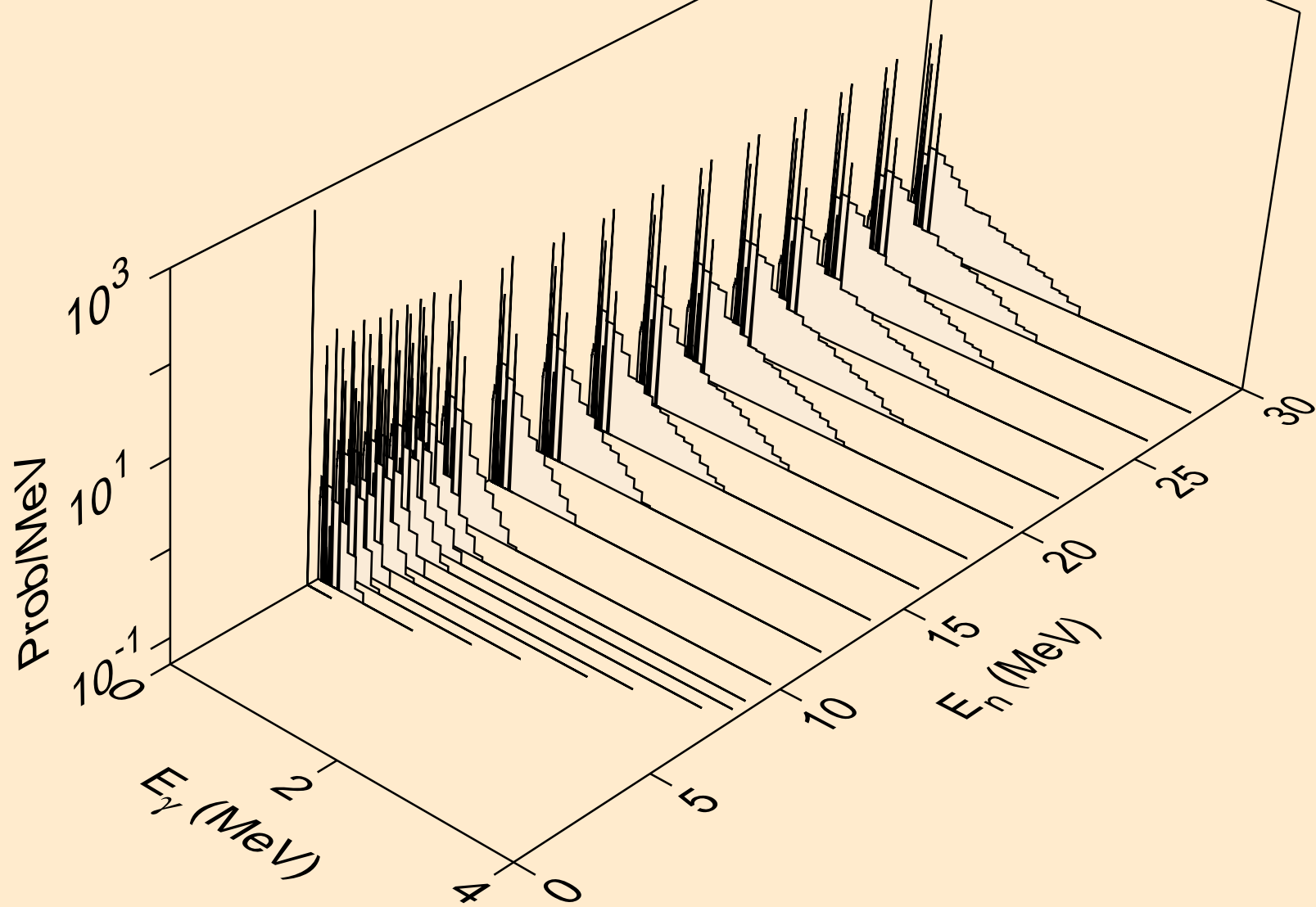
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

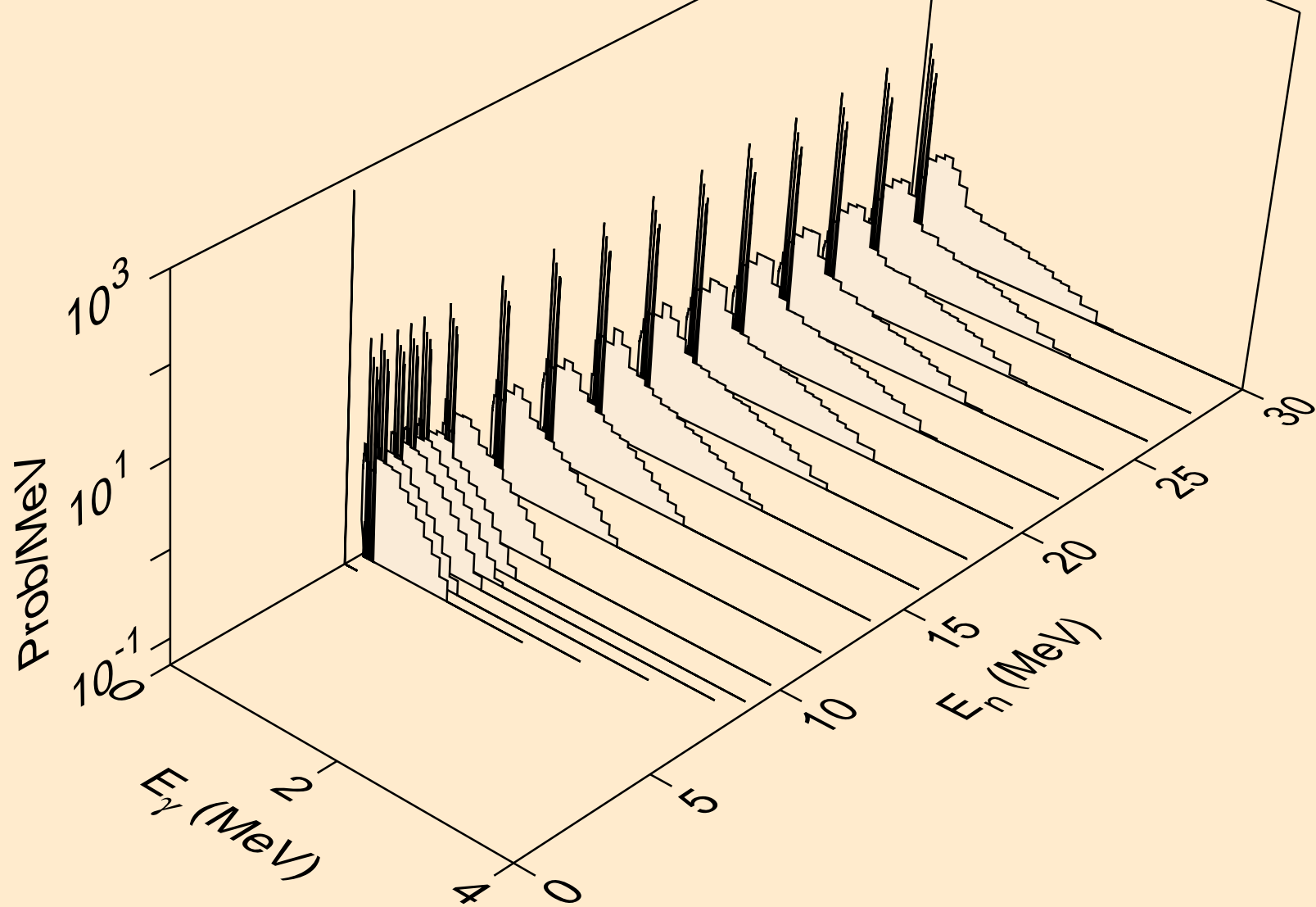


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

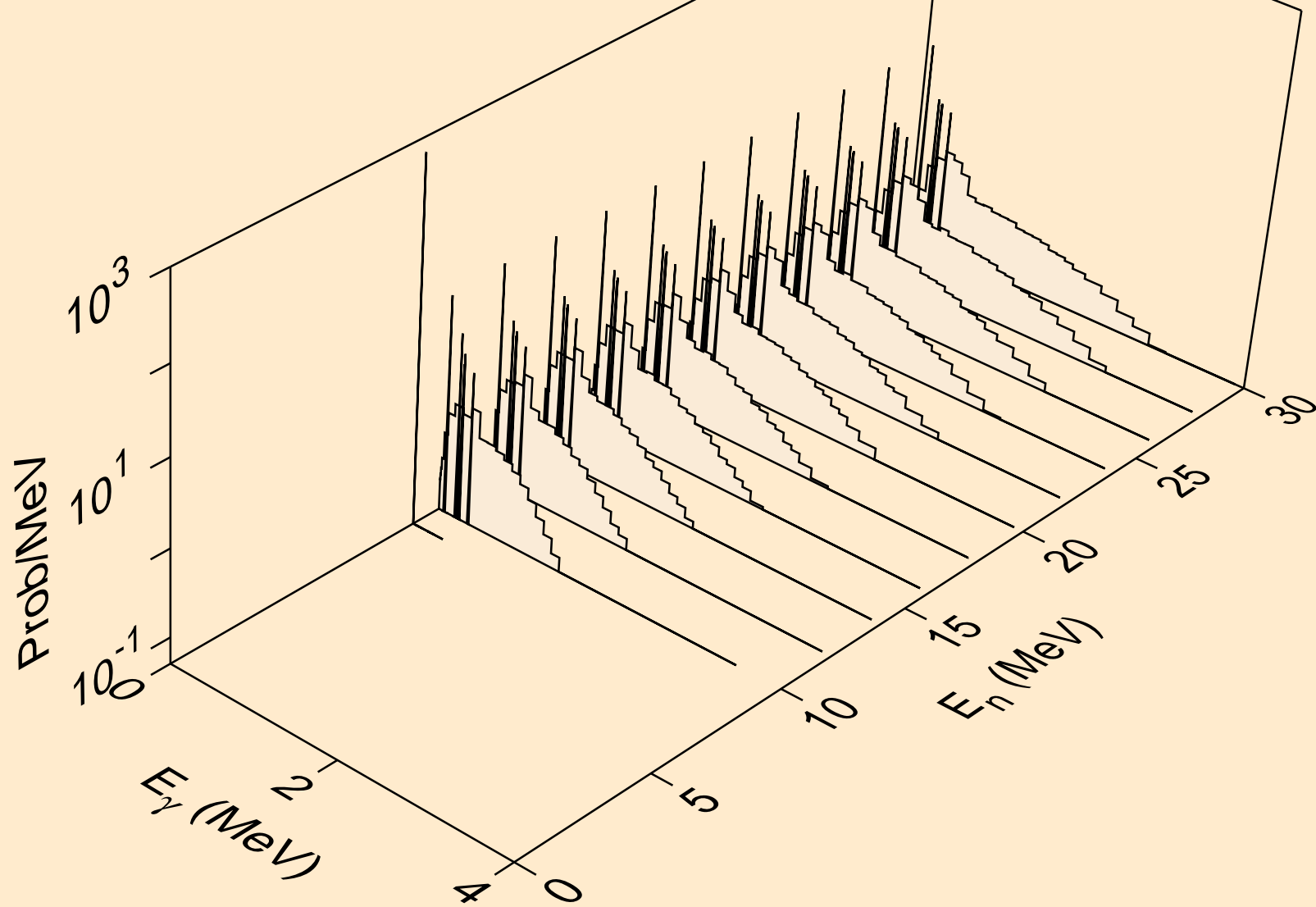




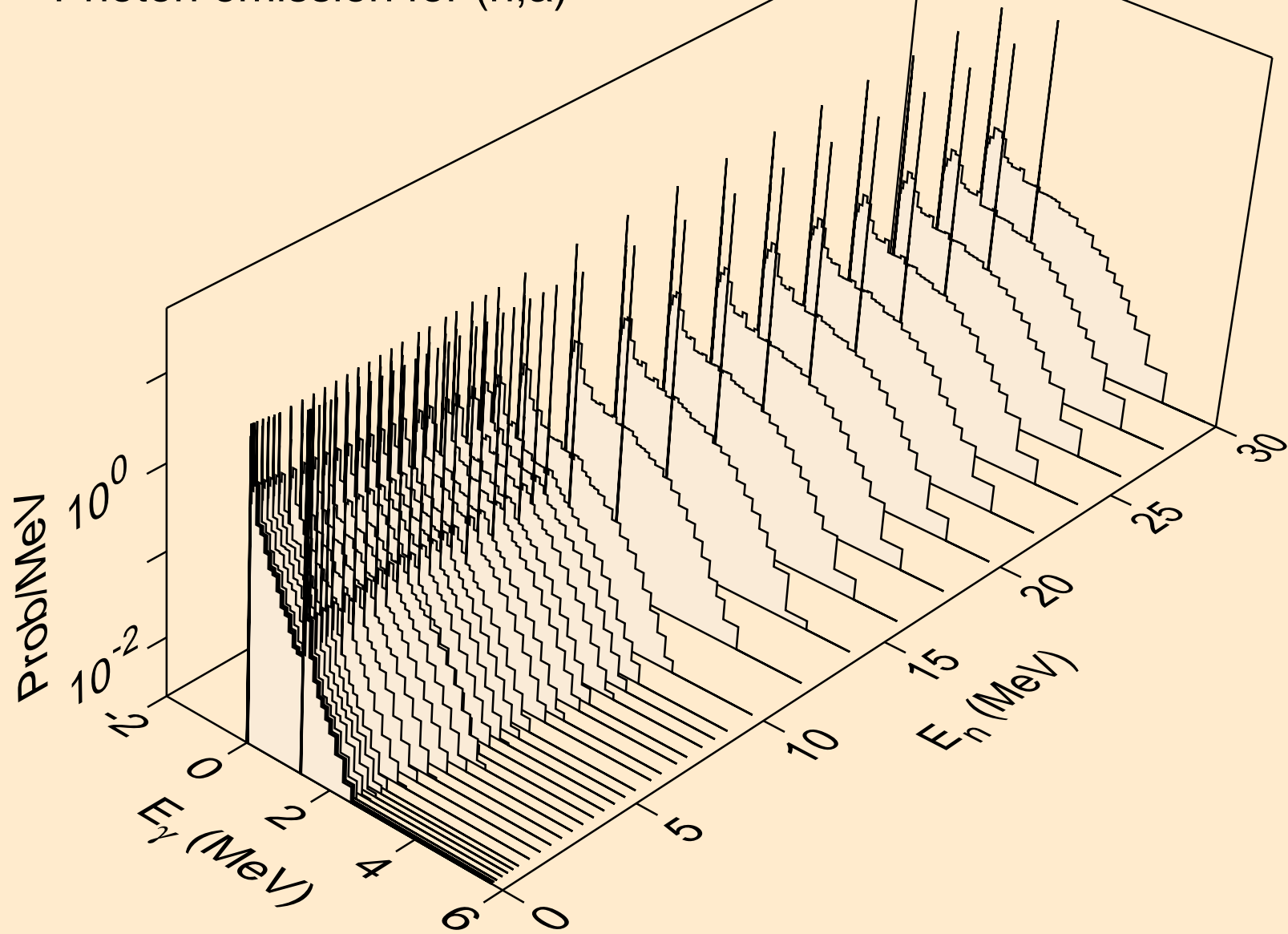
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Photon emission for (n,t)



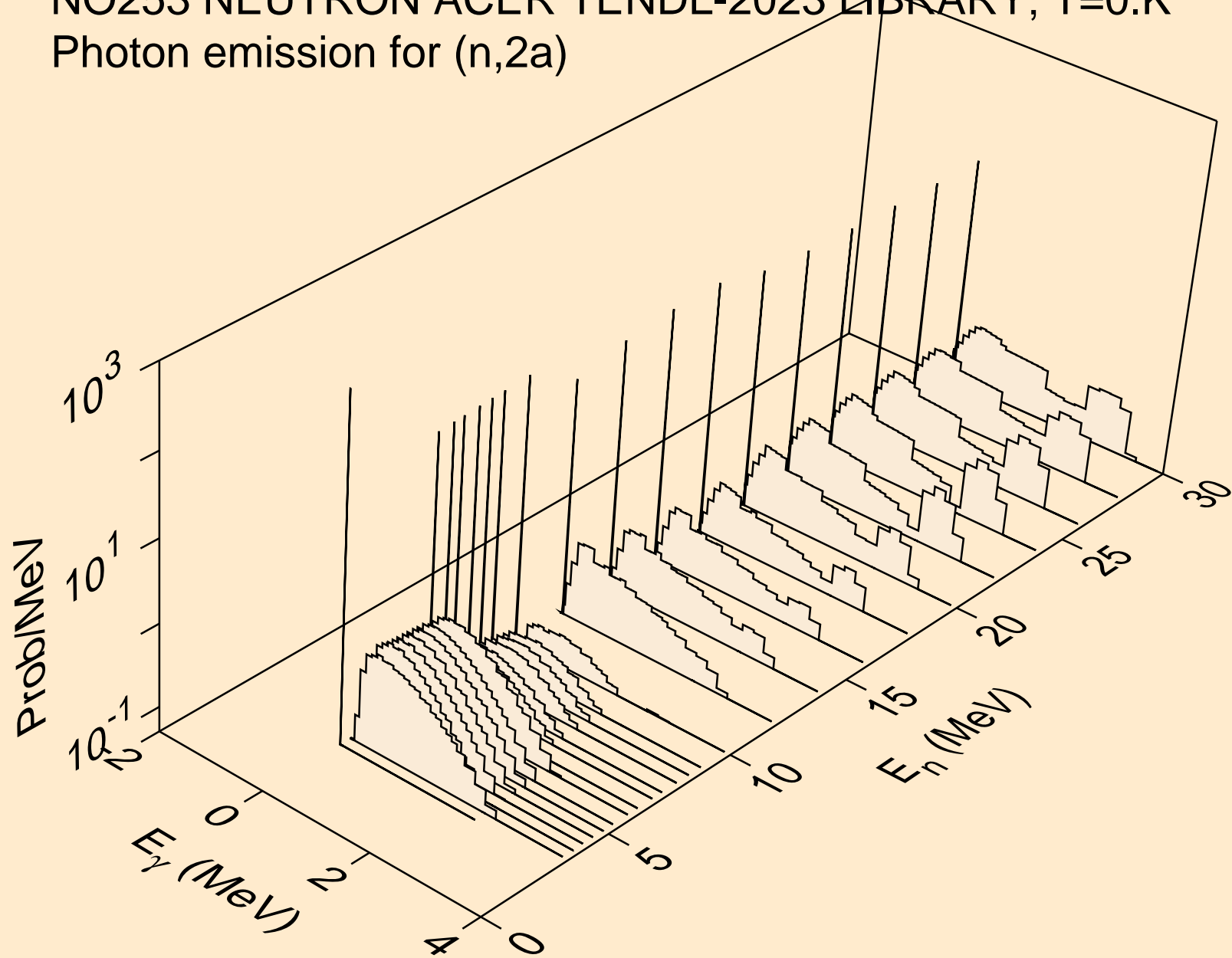
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Photon emission for (n,he3)



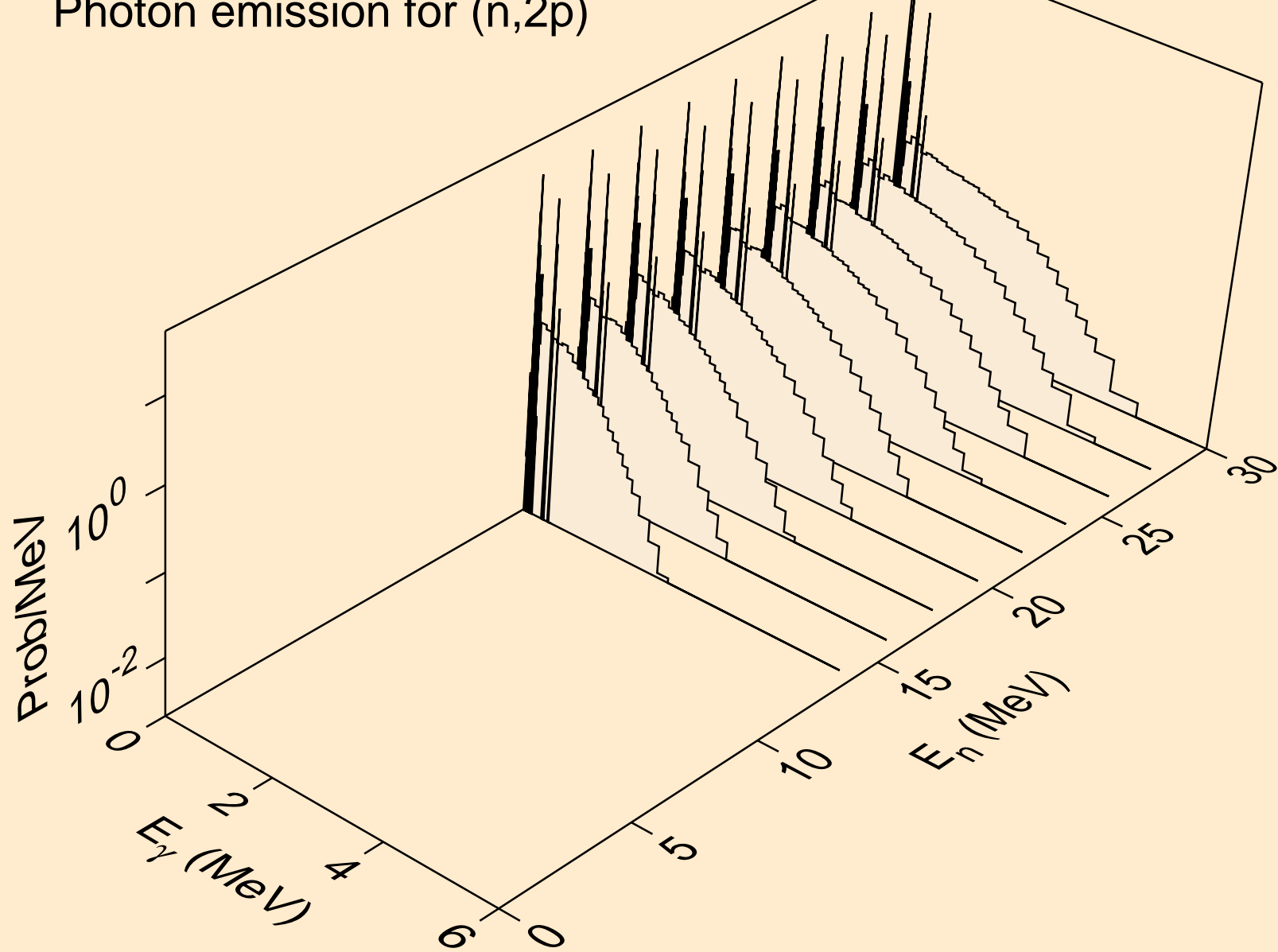
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Photon emission for (n,a)



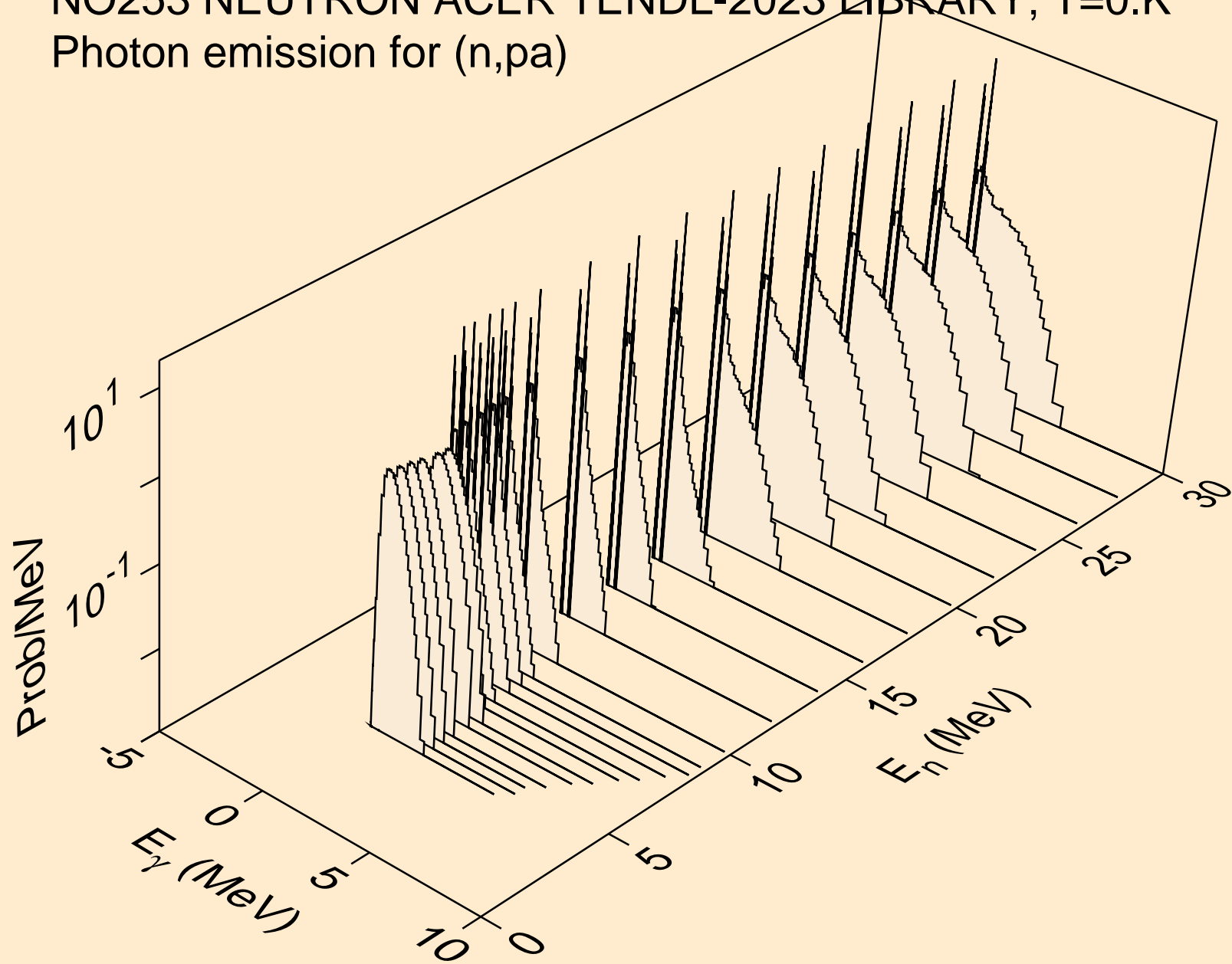
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



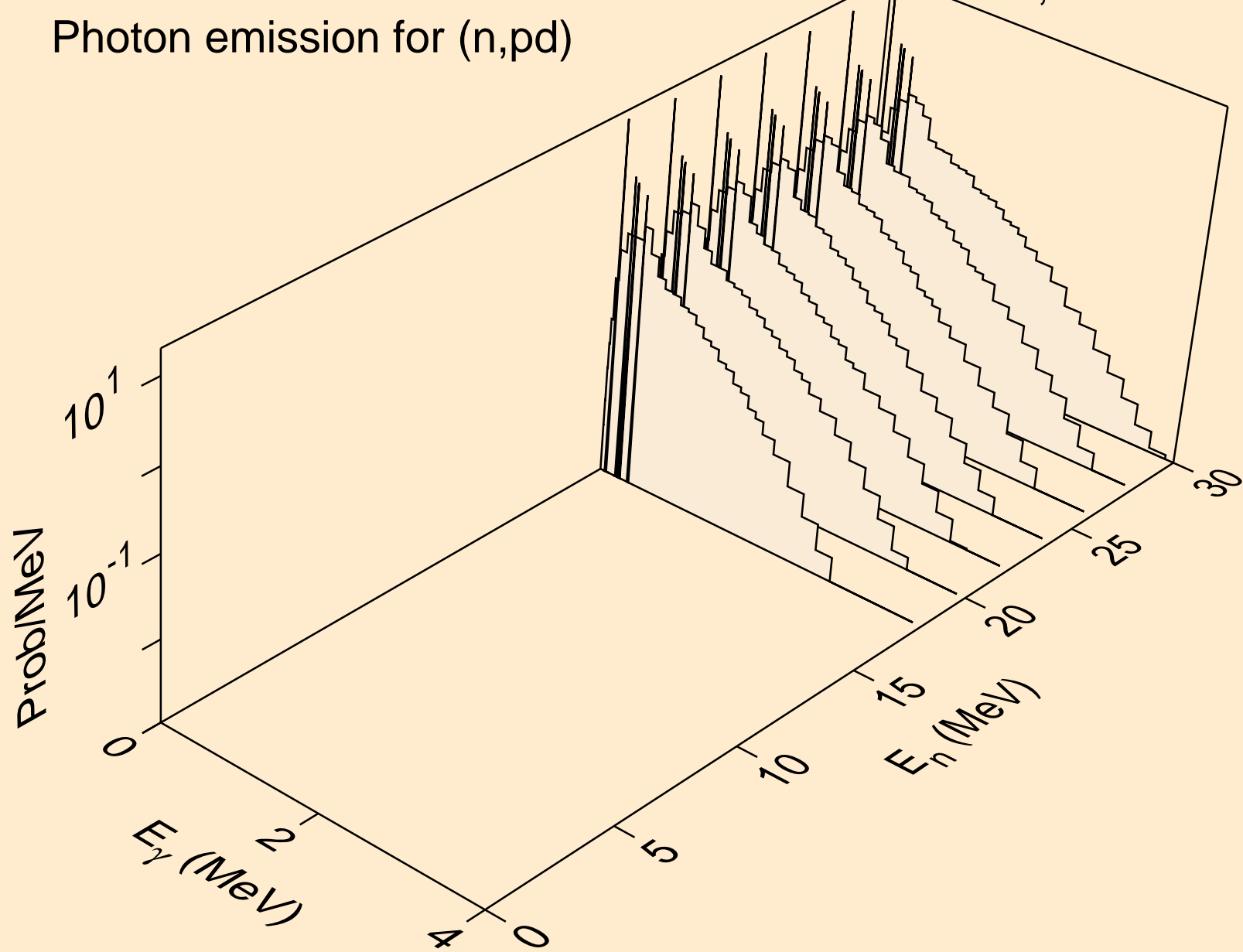
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Photon emission for (n,2p)



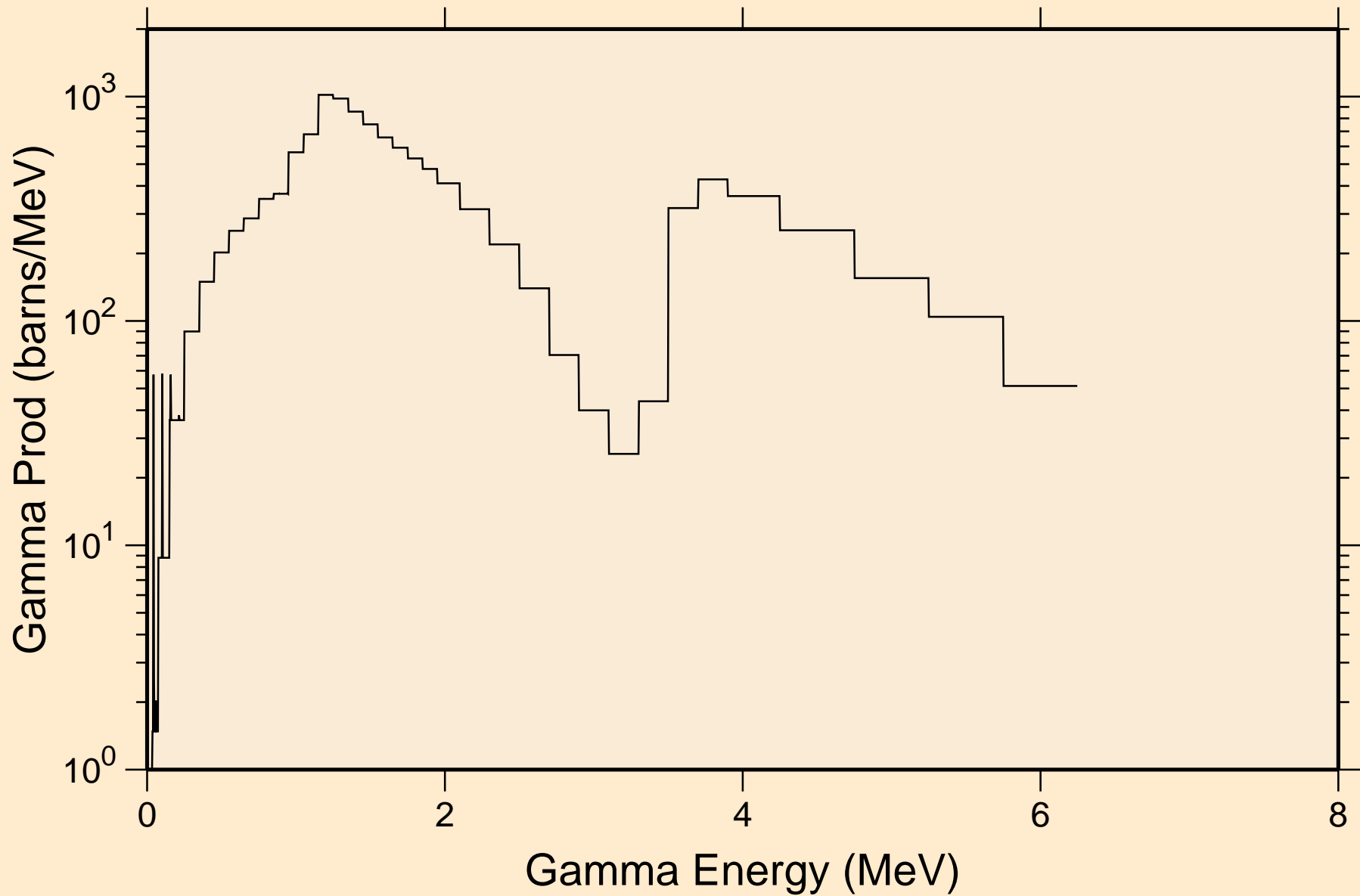
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

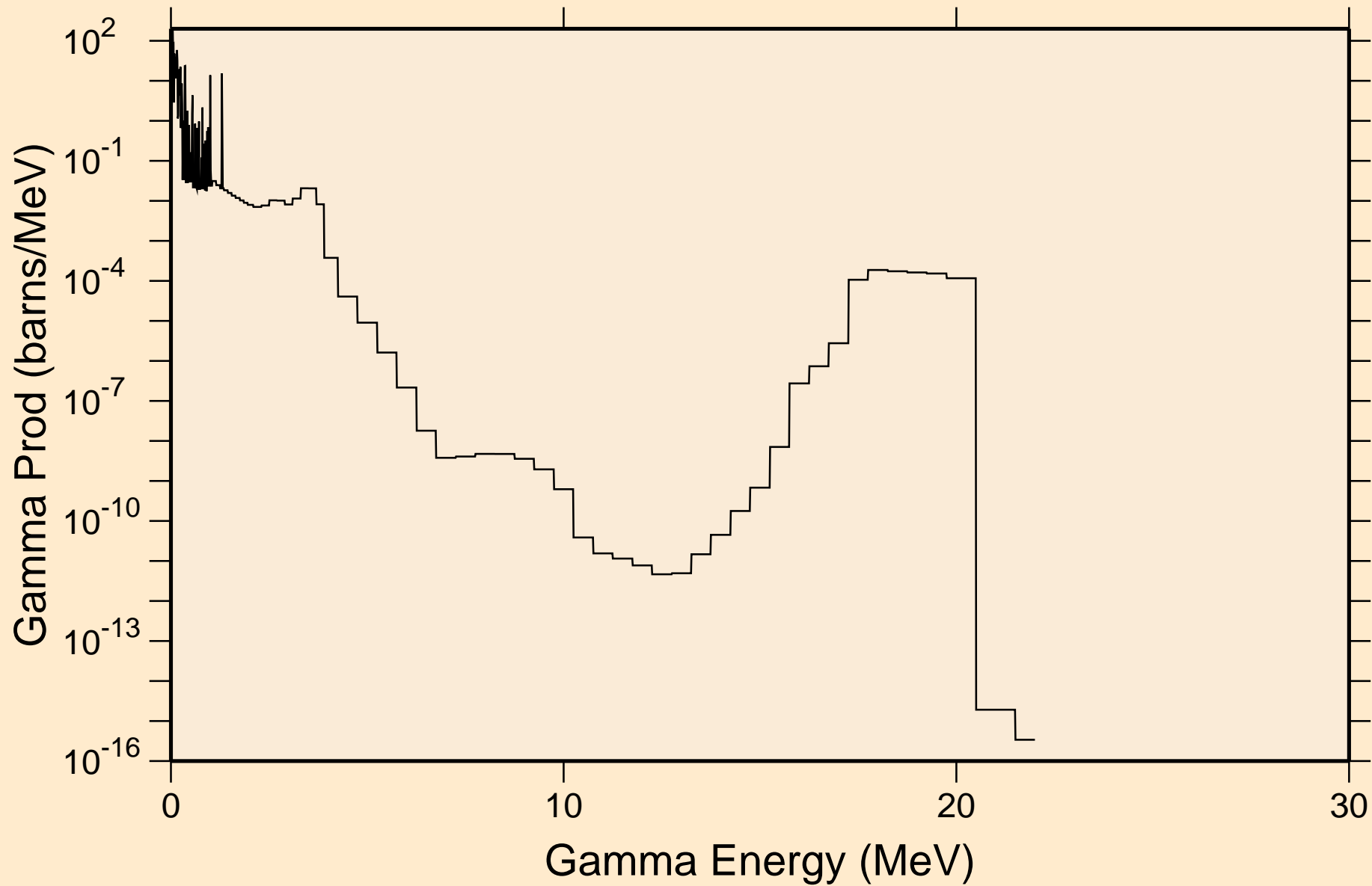


NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



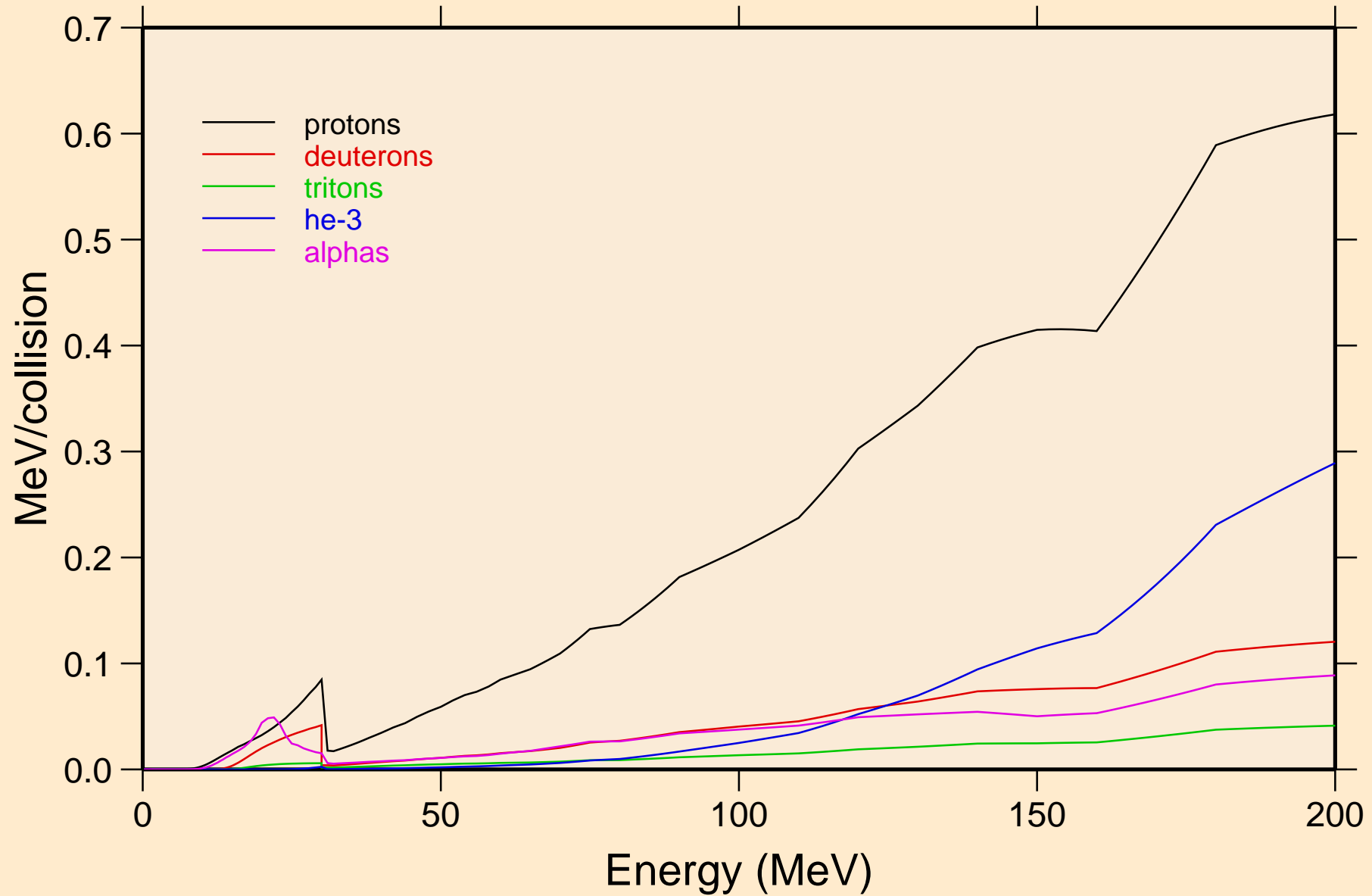


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14 MeV photon spectrum

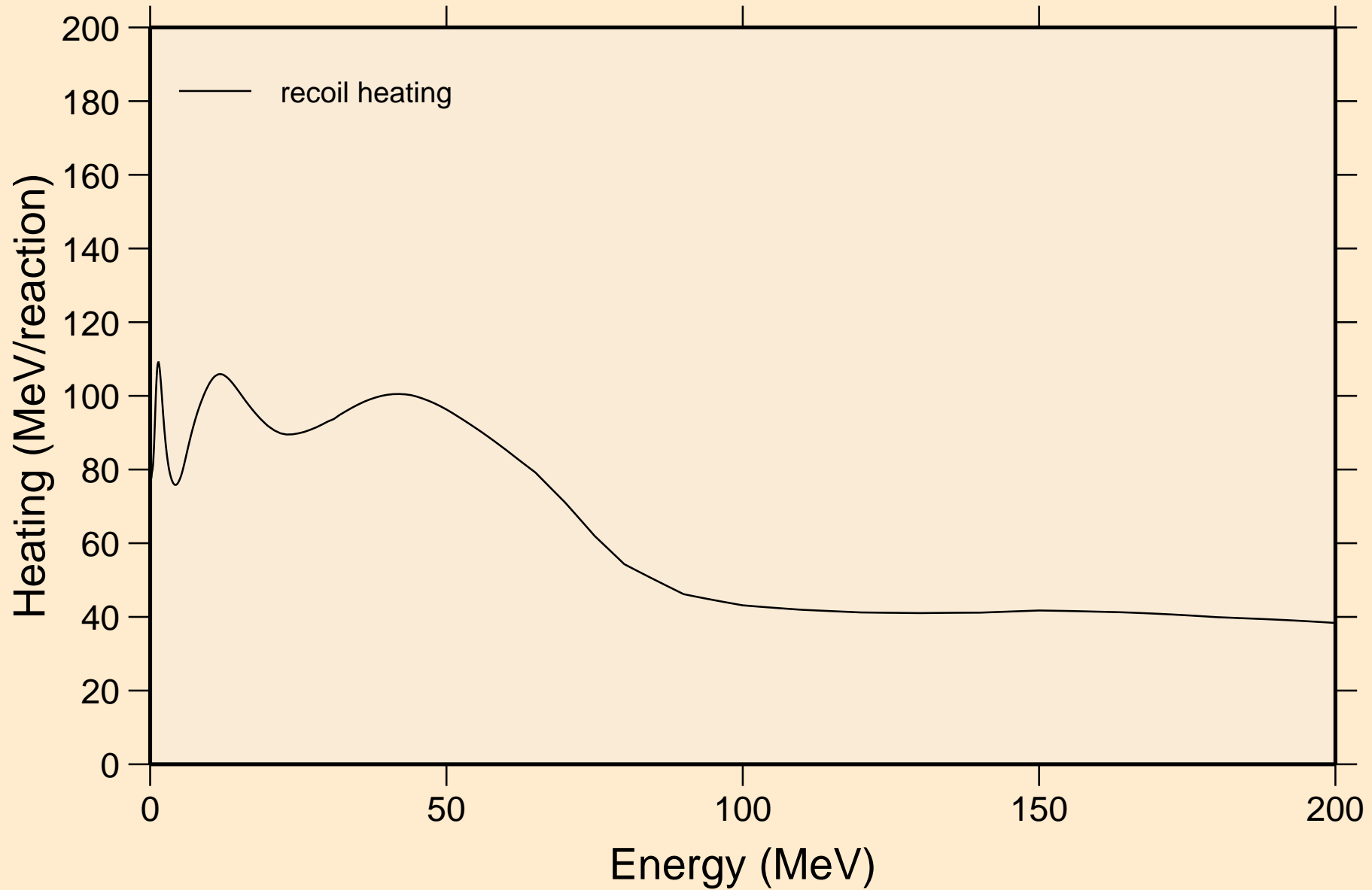


# NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

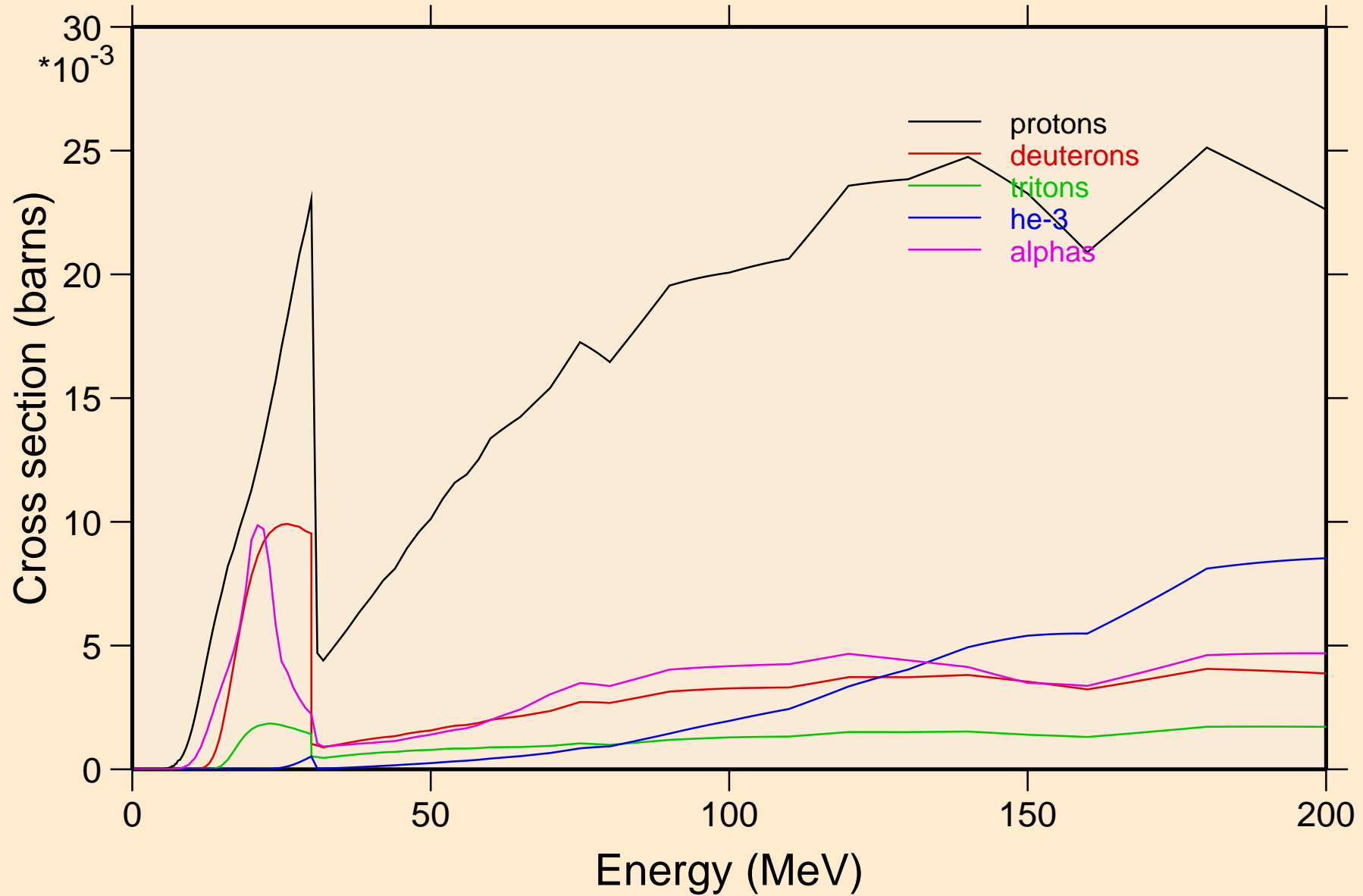
## Particle heating contributions



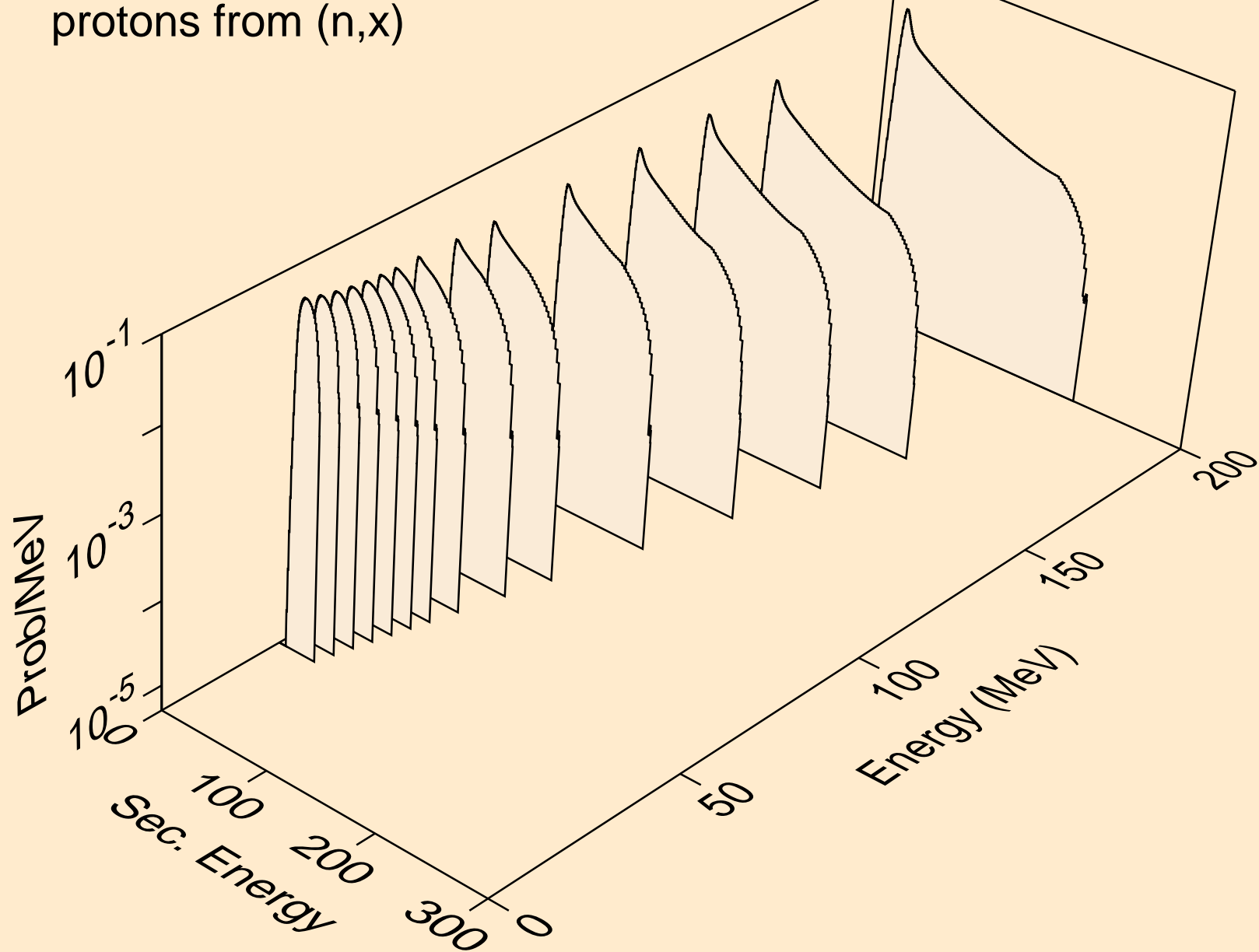
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Recoil Heating



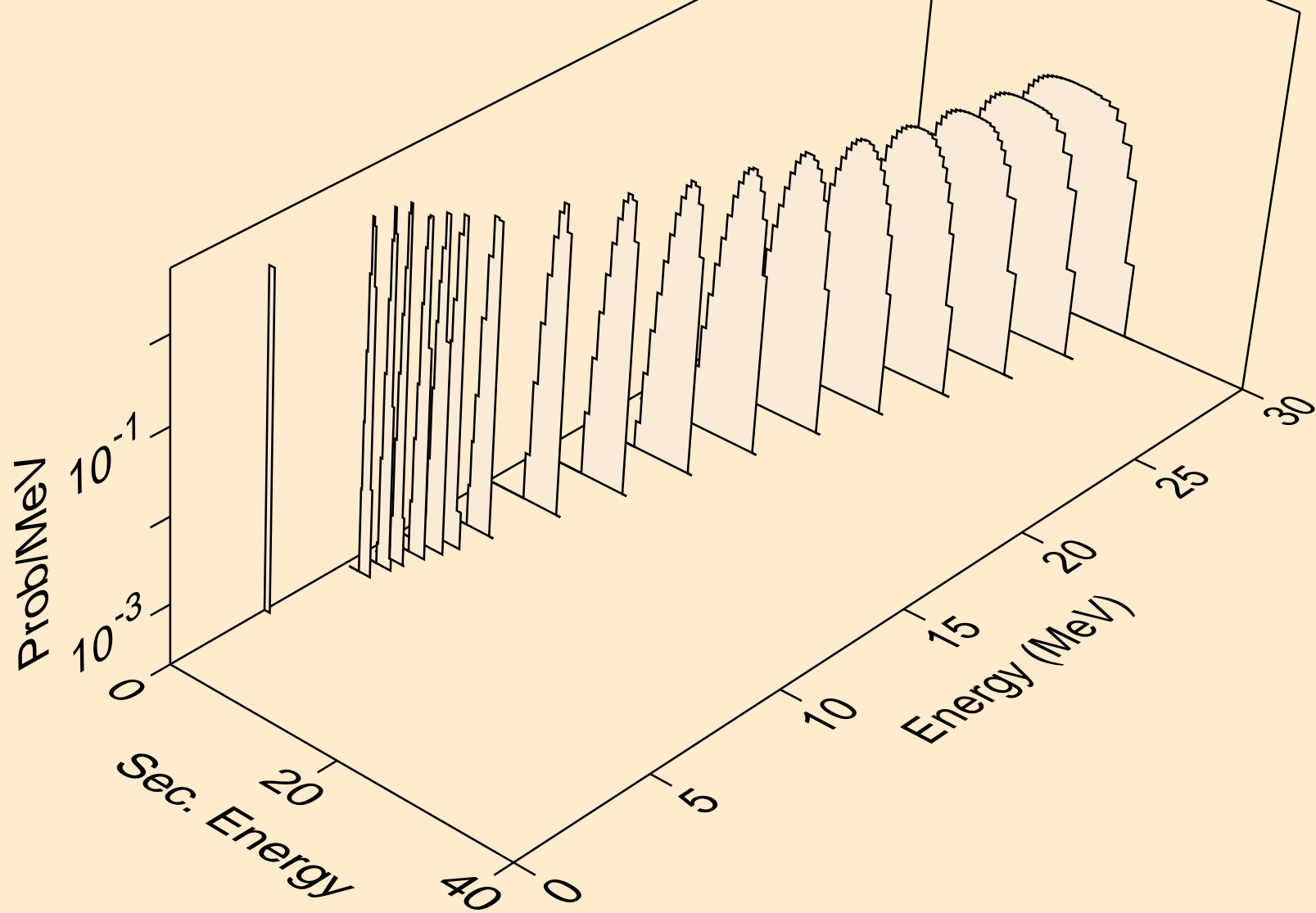
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Particle production cross sections



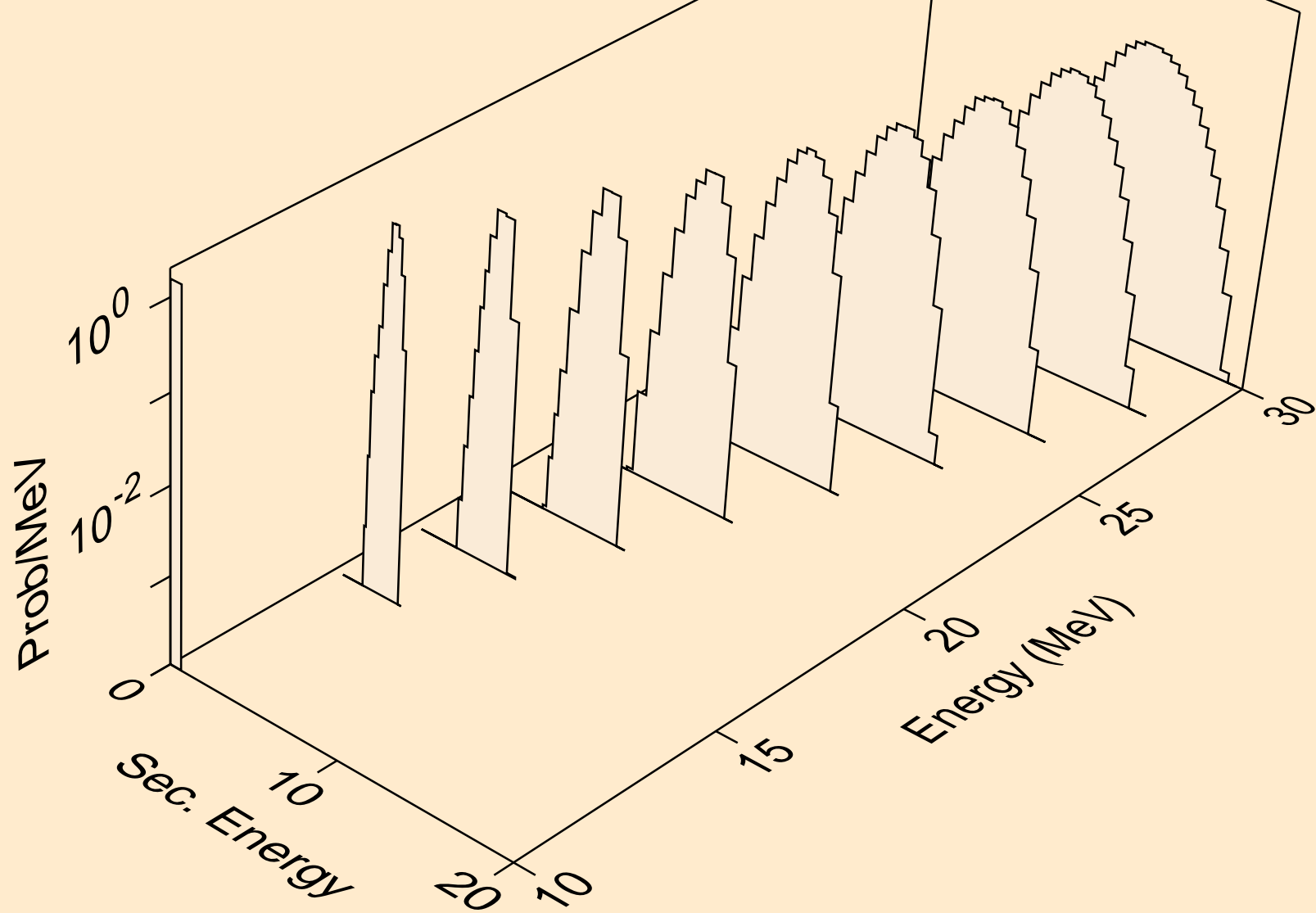
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protons from (n,x)



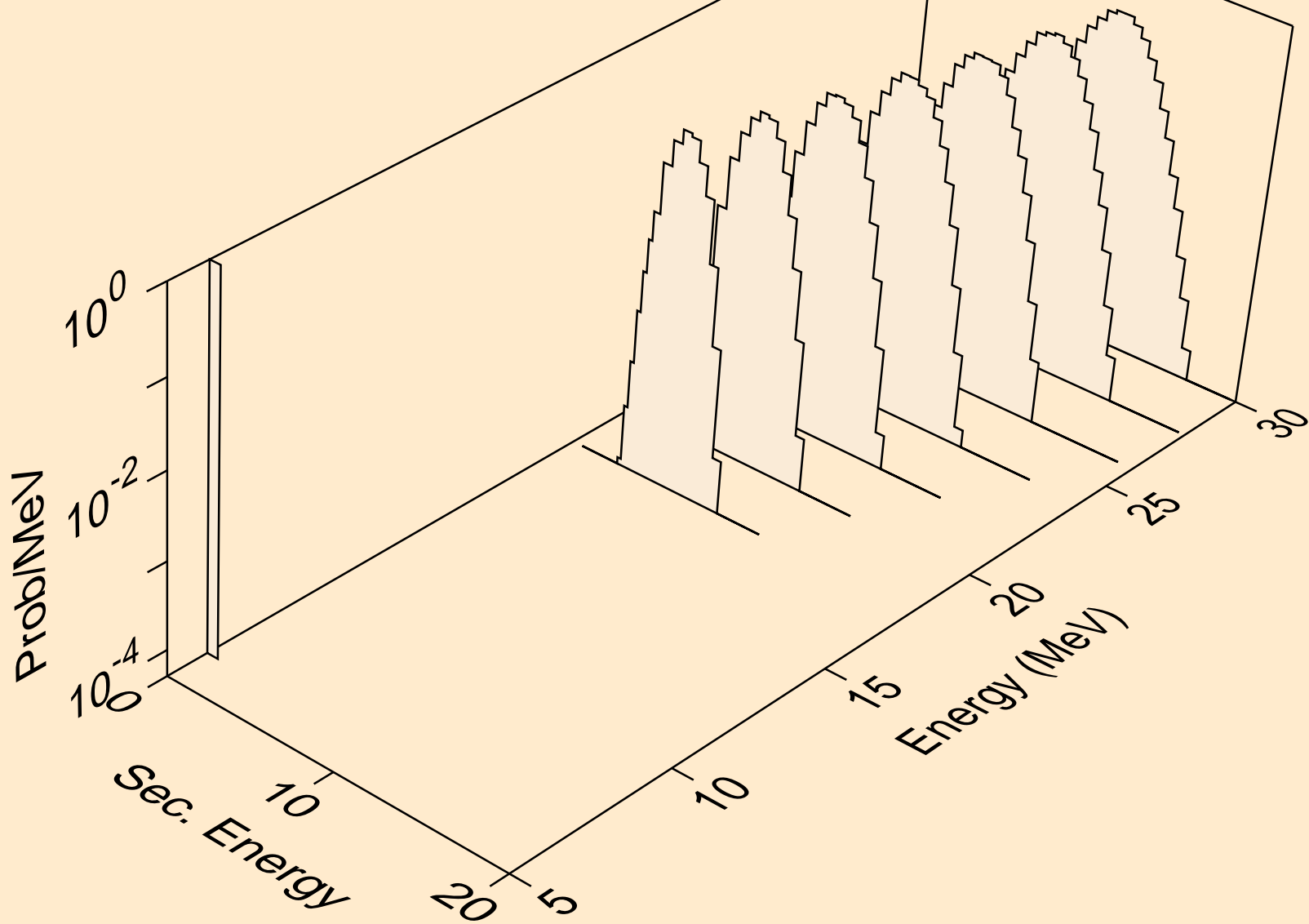
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

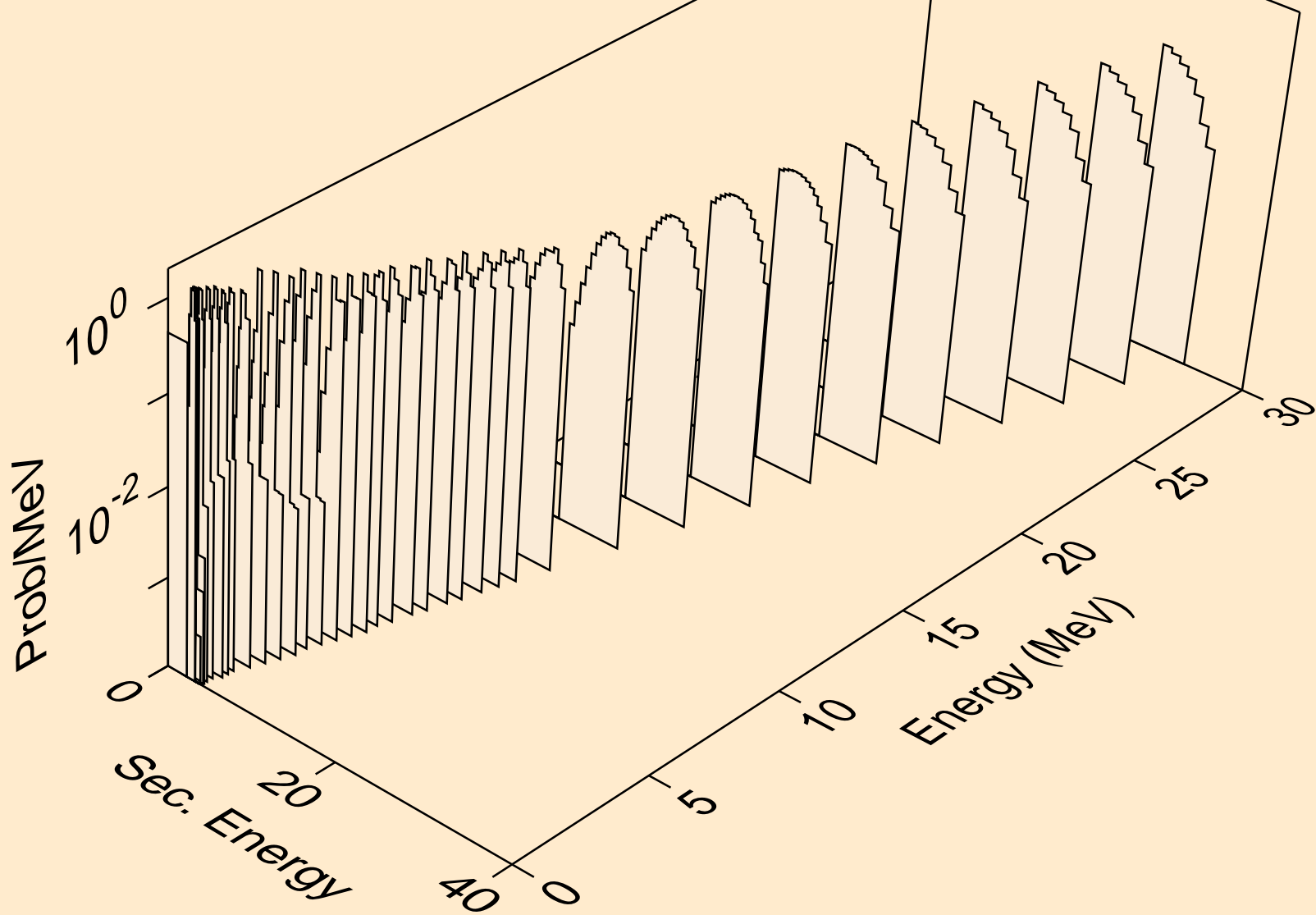


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protons from (n,n2p)

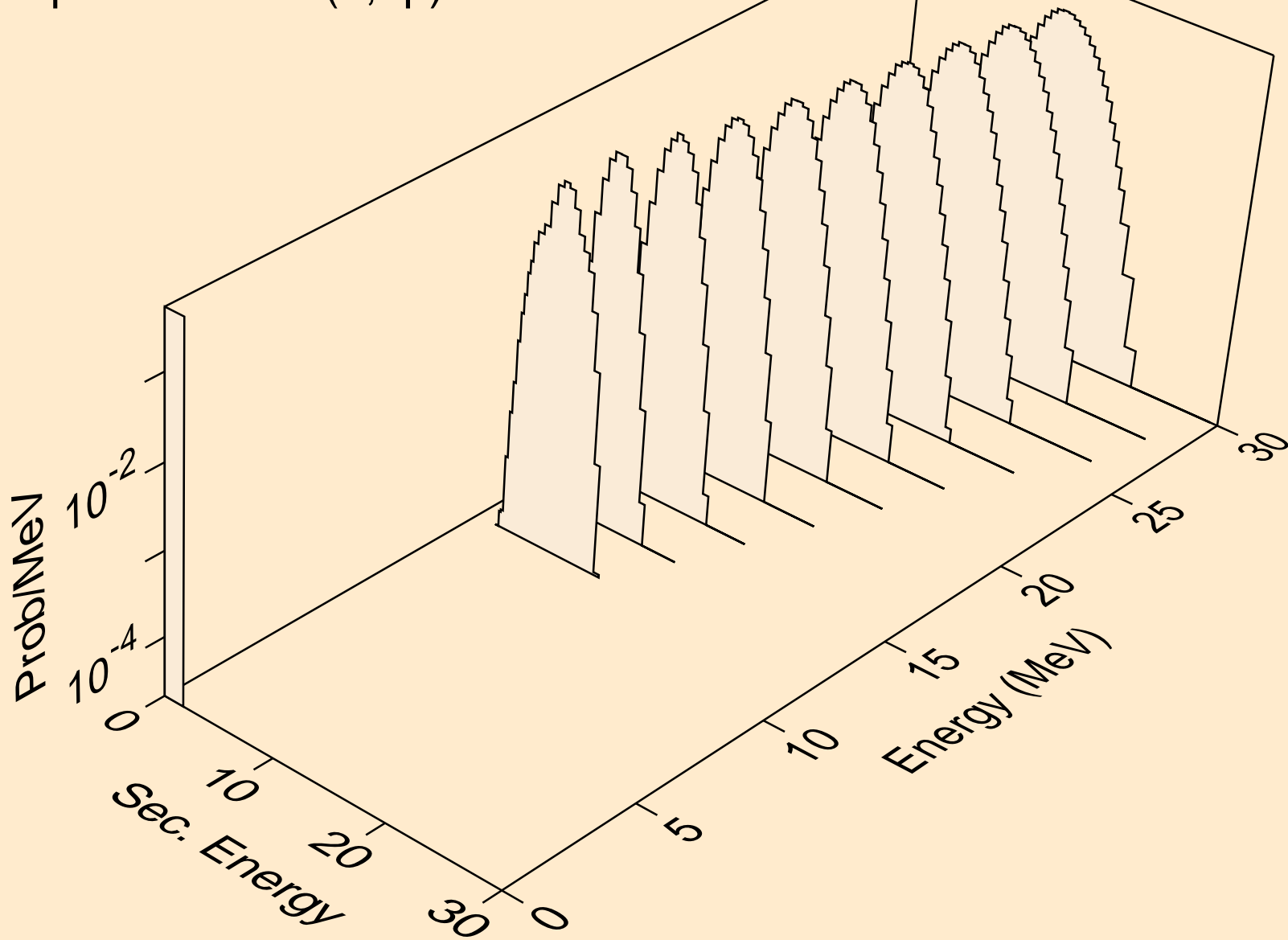




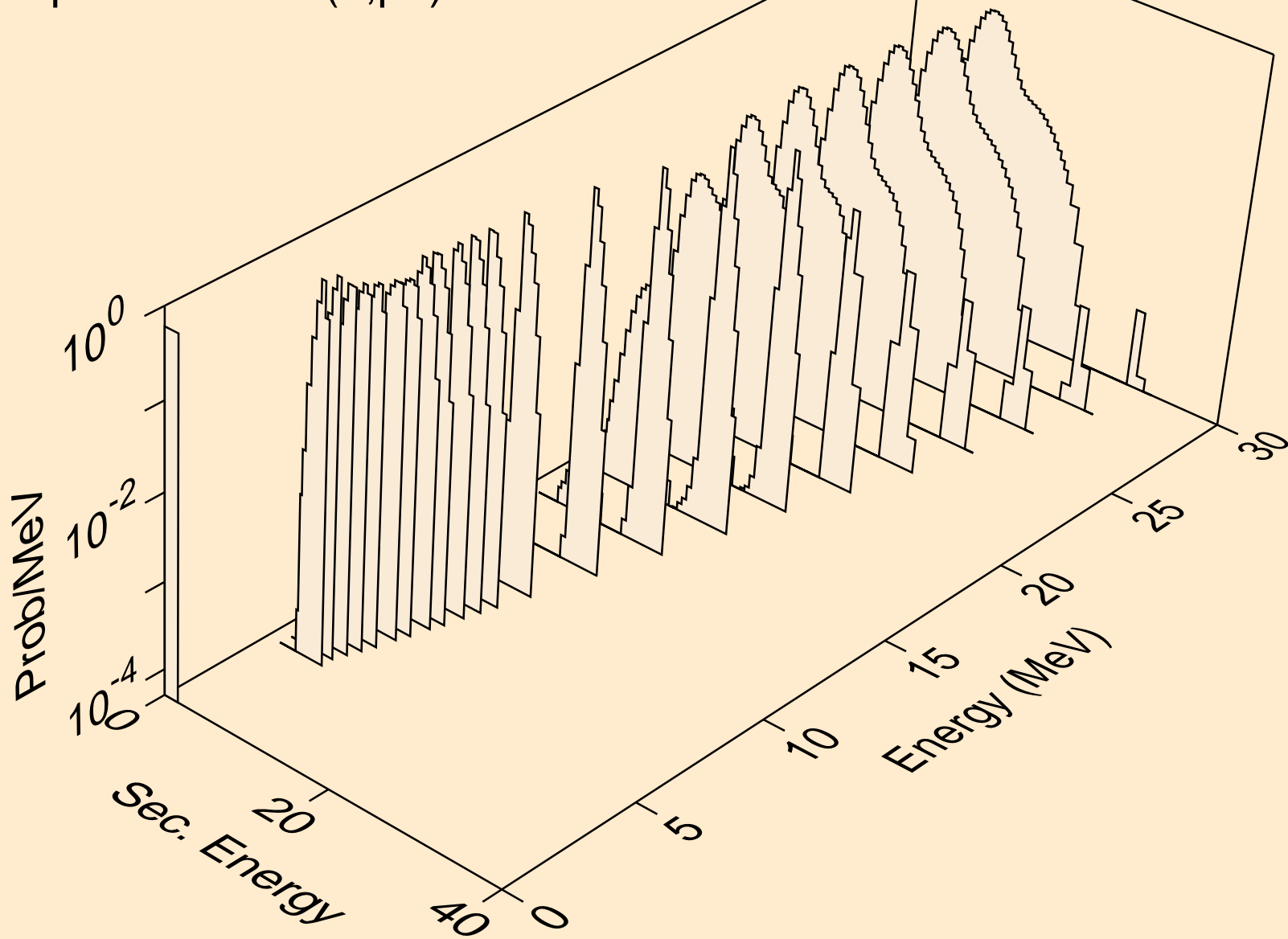
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protons from (n,p)



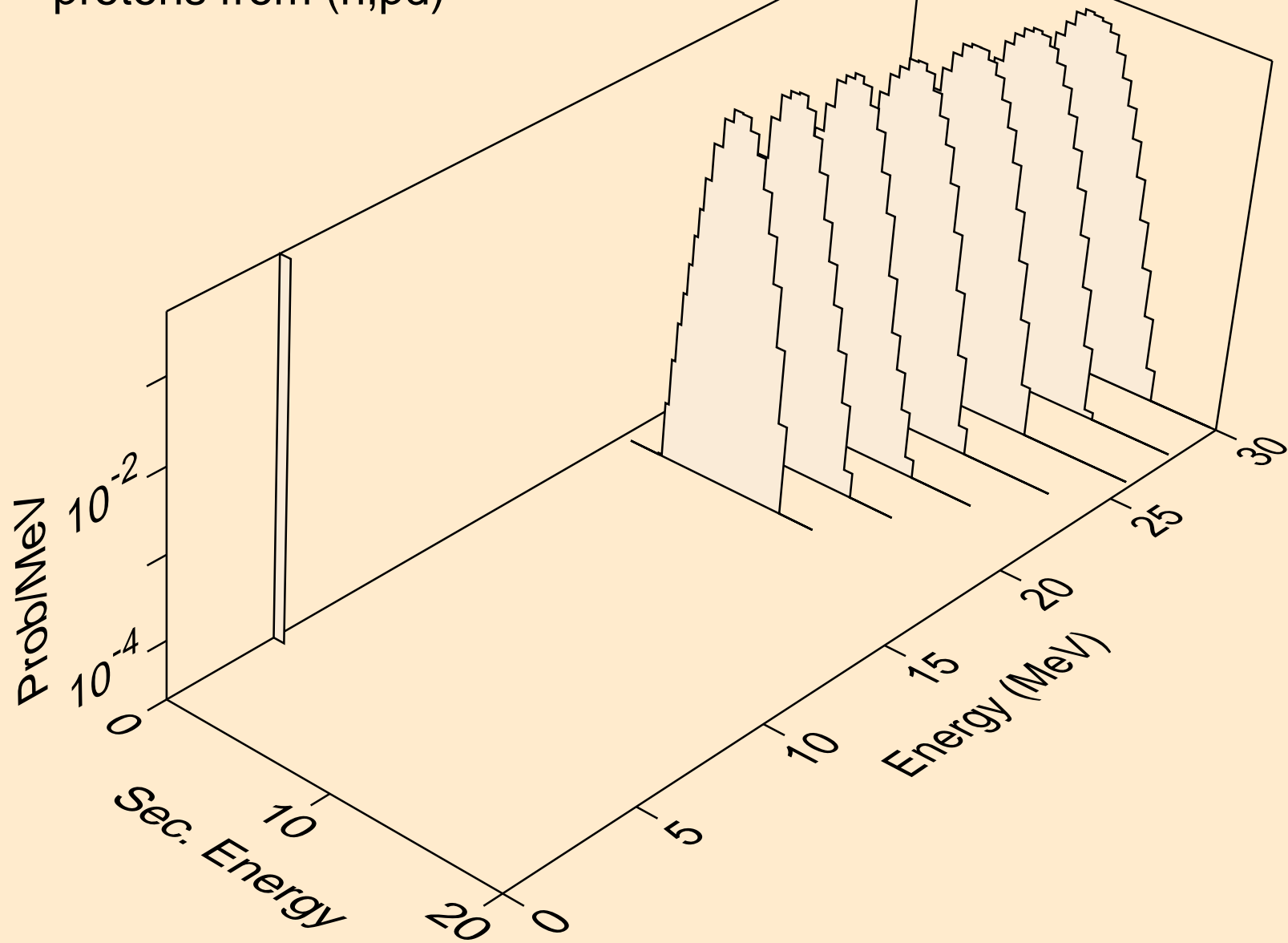
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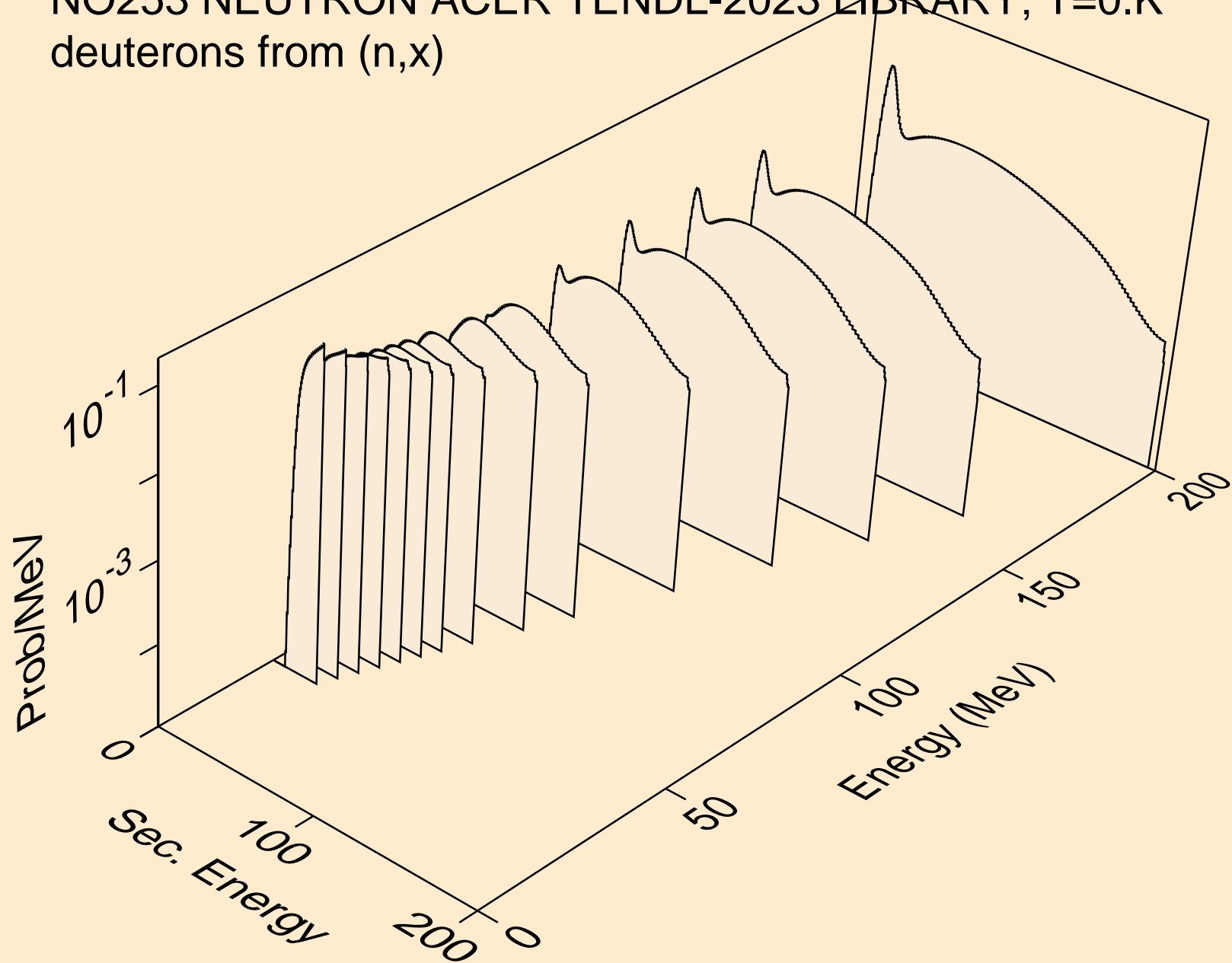
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protons from (n,p)



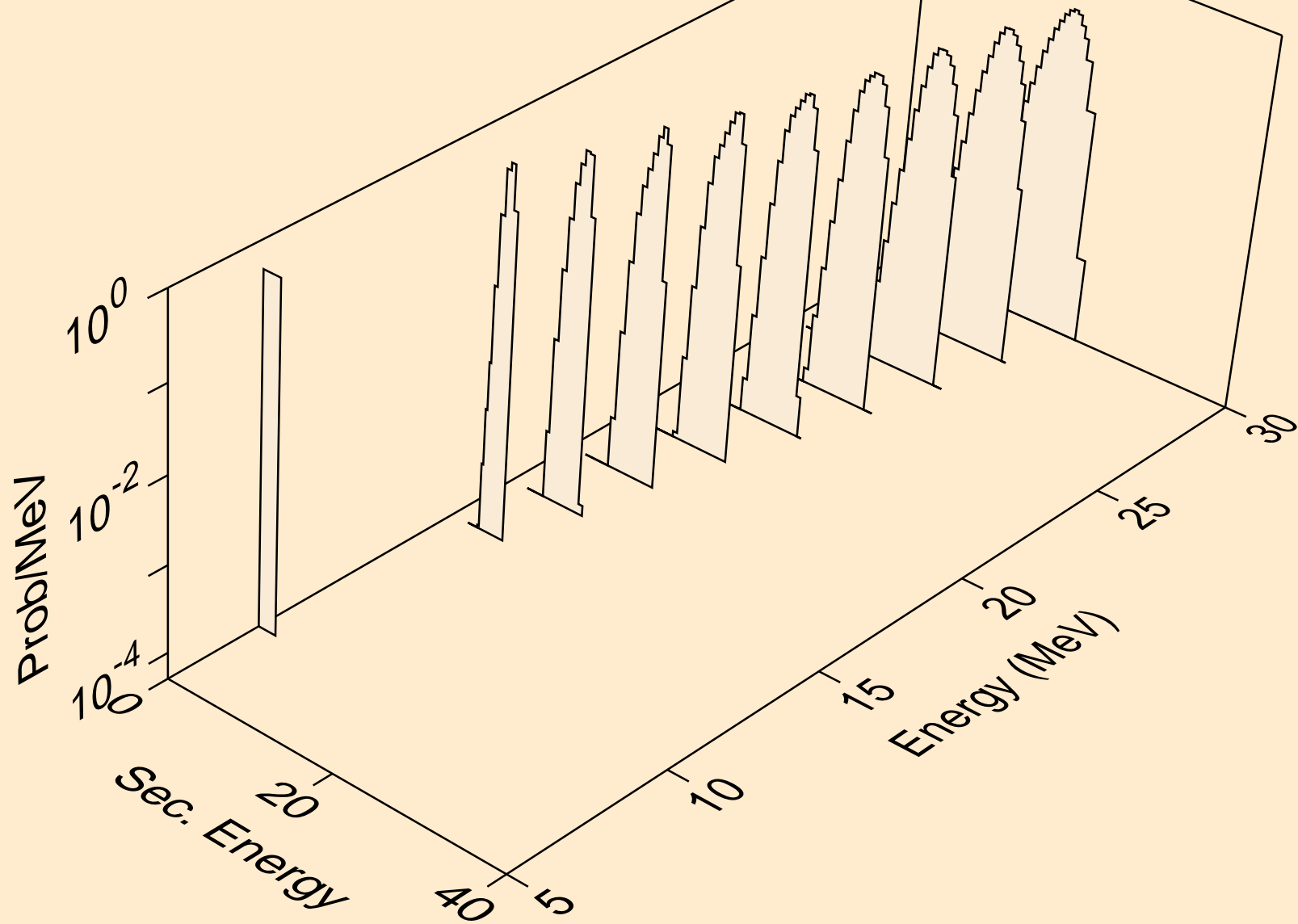
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protons from (n,pd)



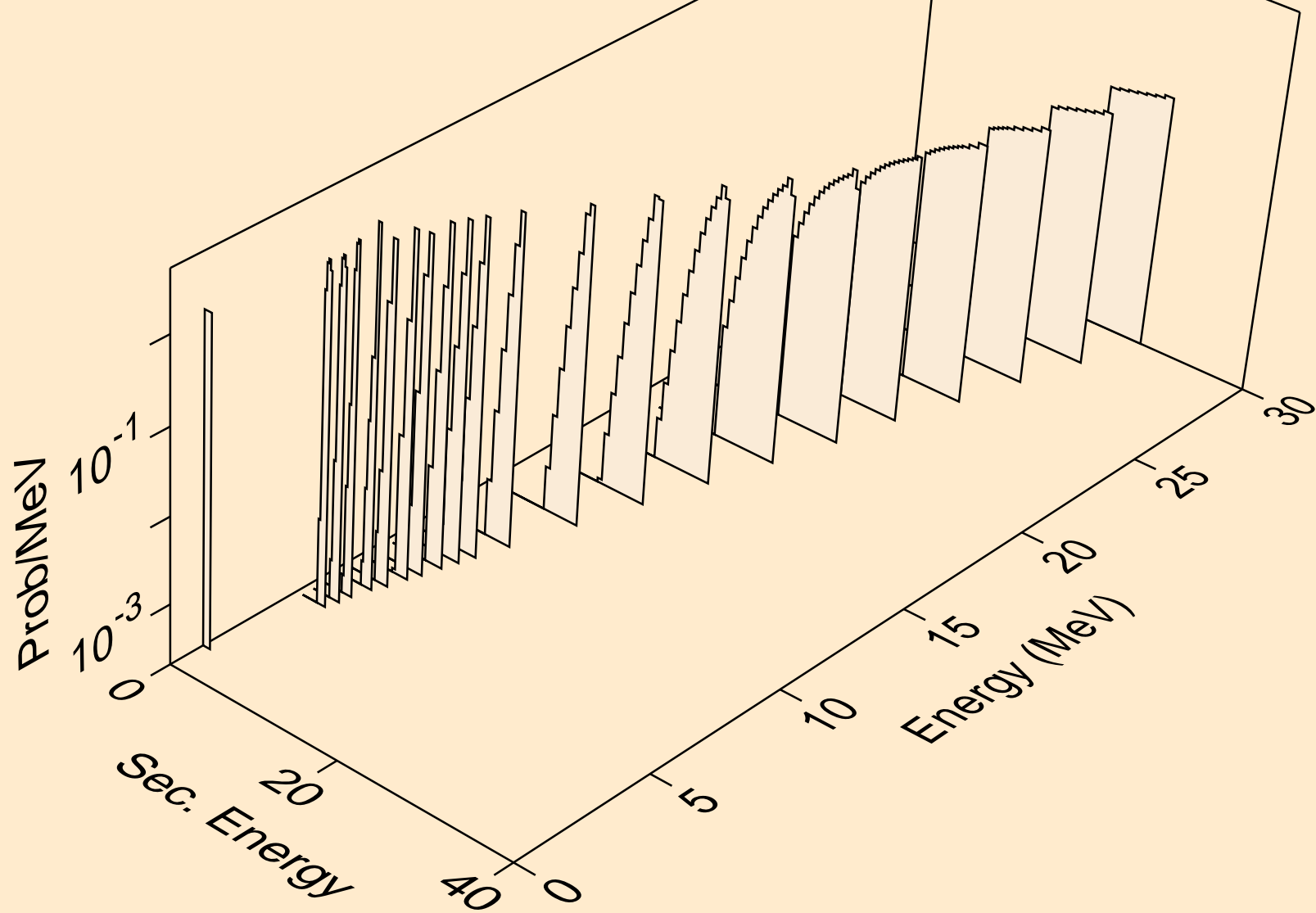
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deuterons from (n,x)



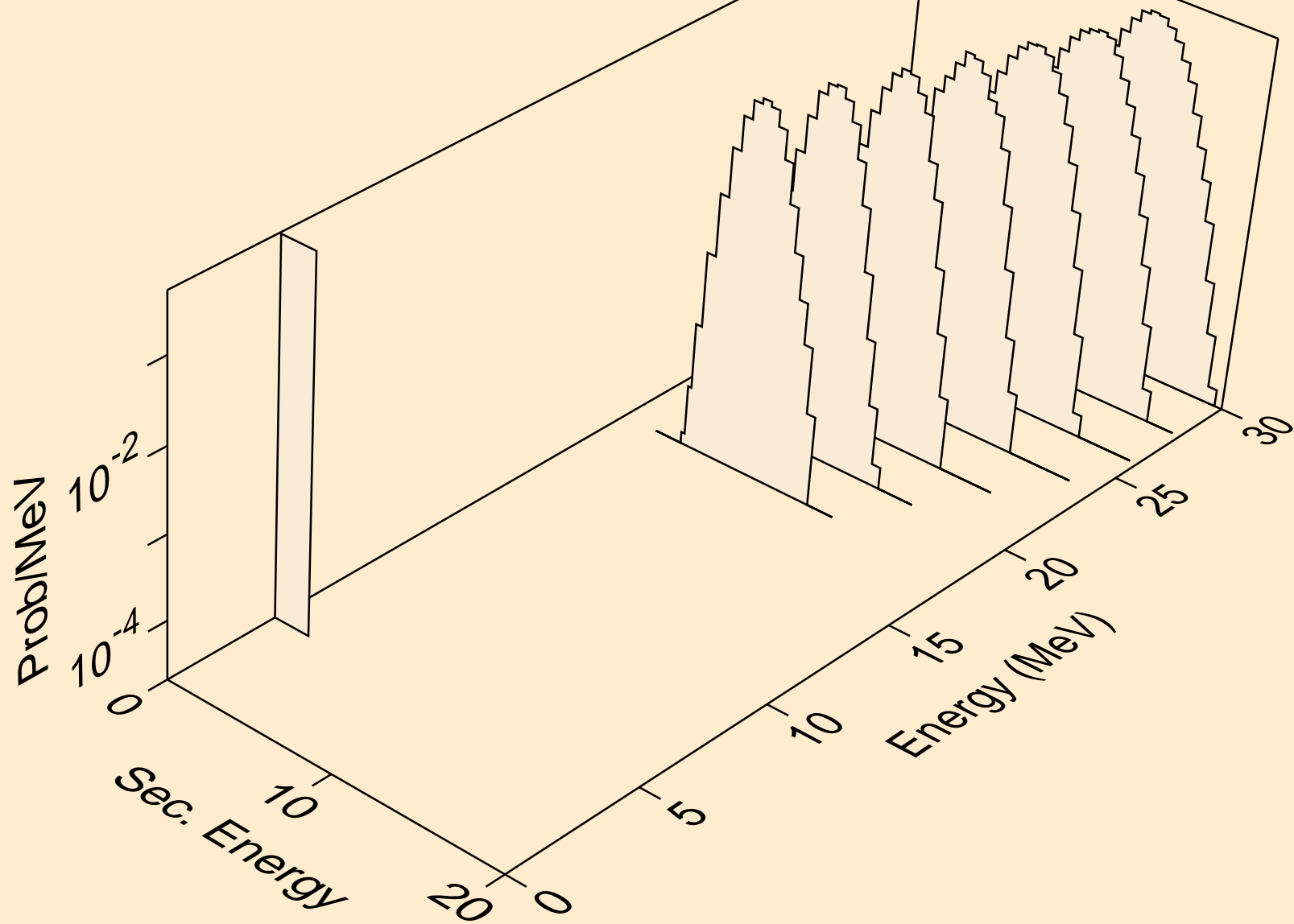
NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)

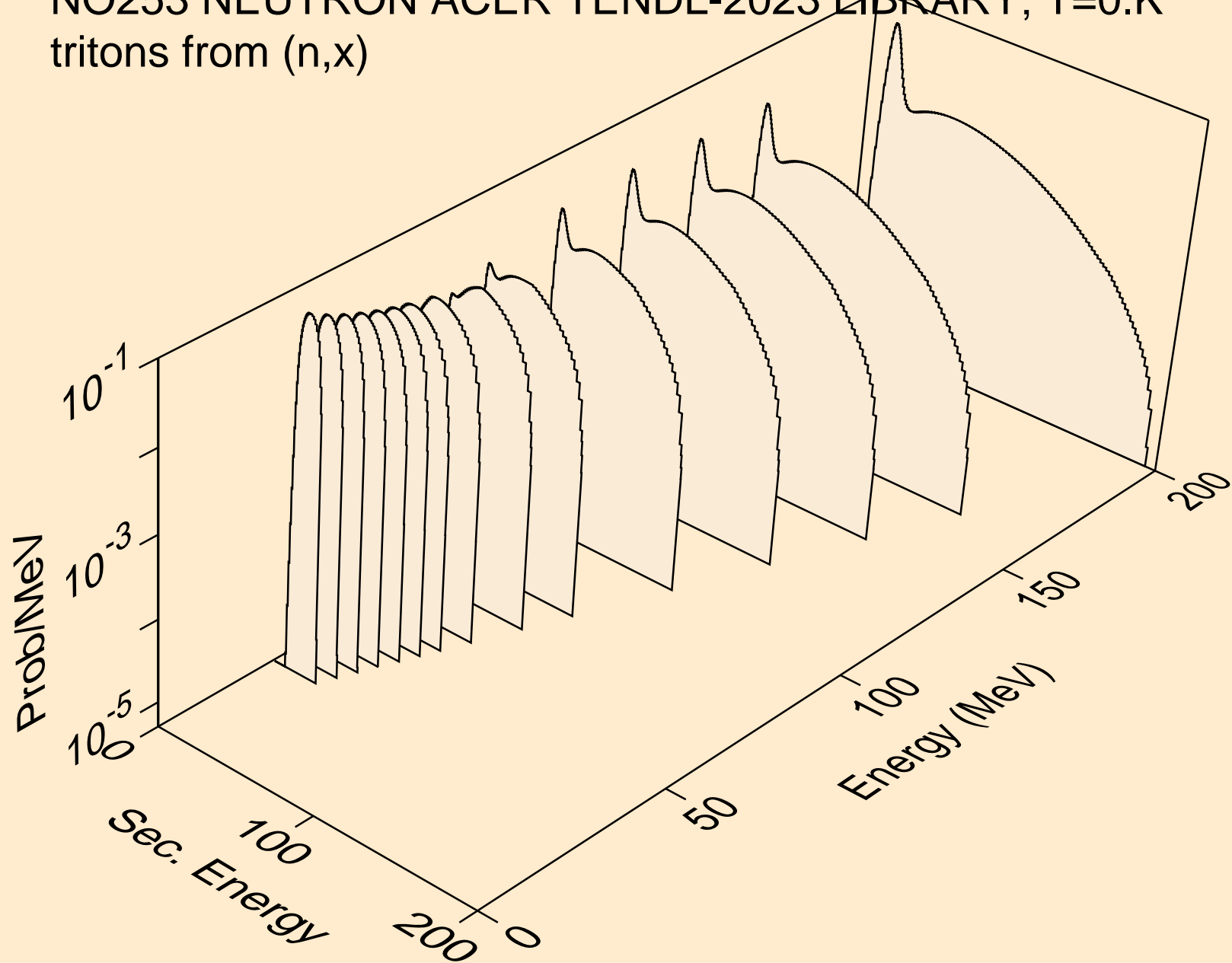


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deuterons from (n,pd)

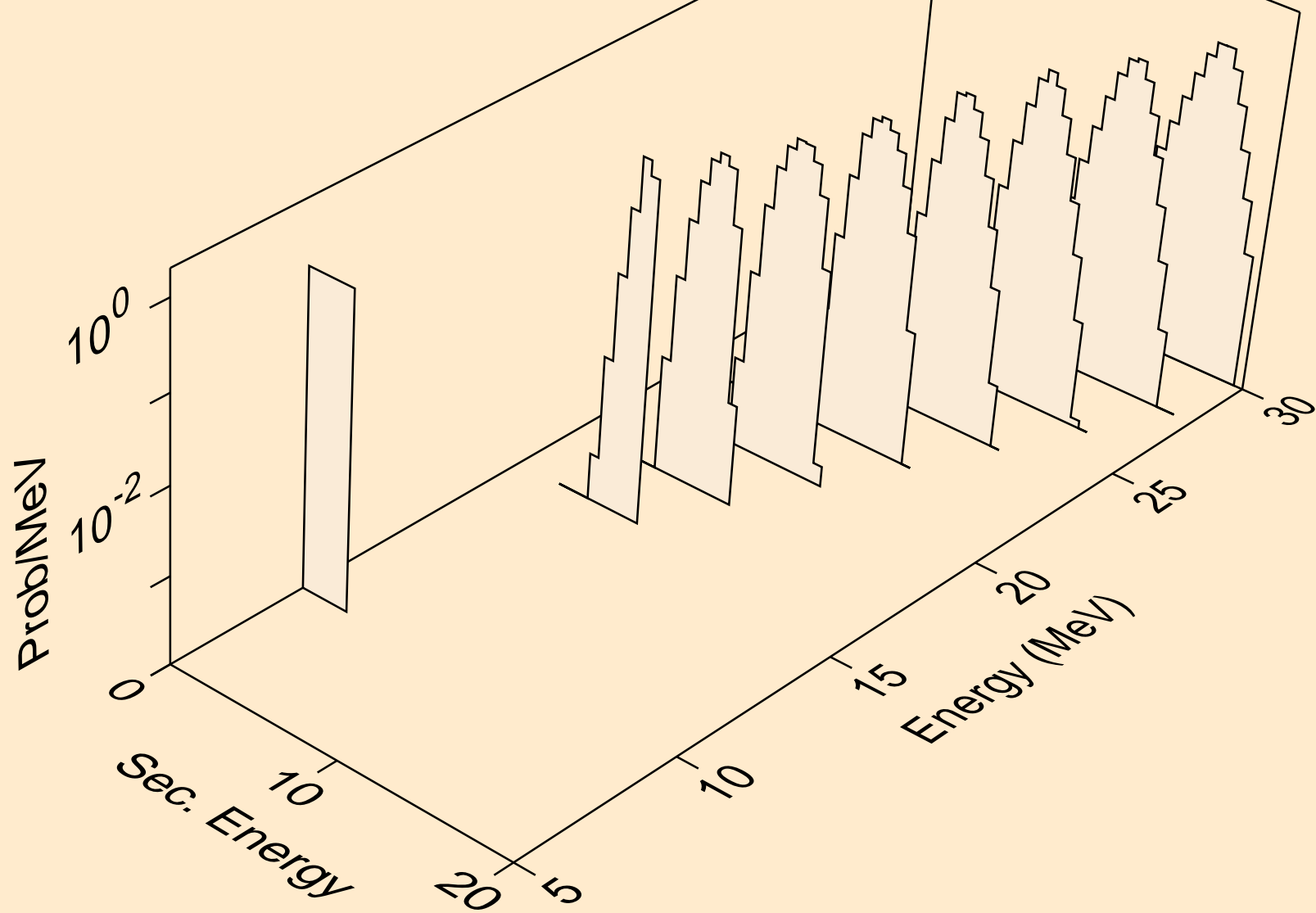




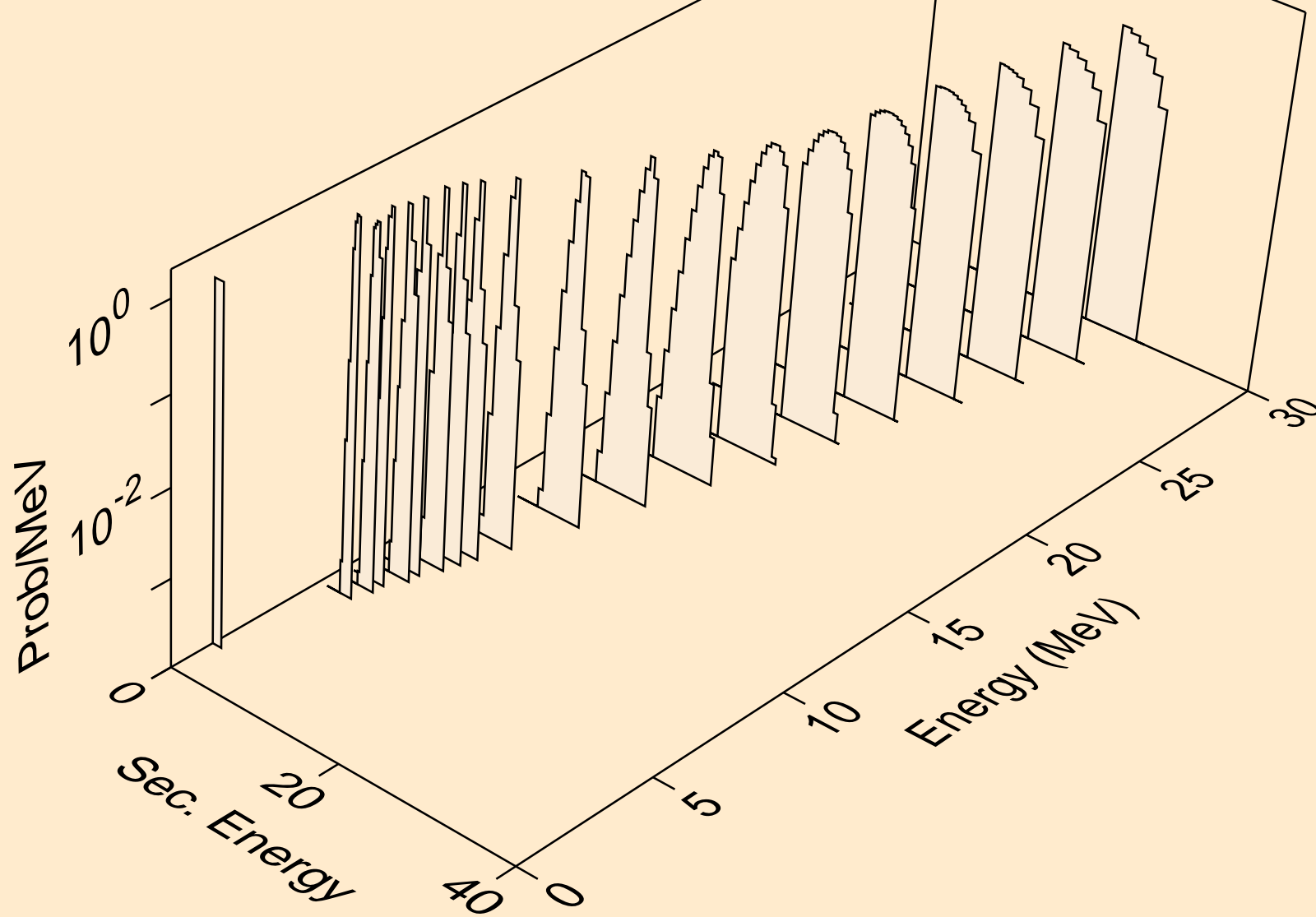
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tritons from (n,x)



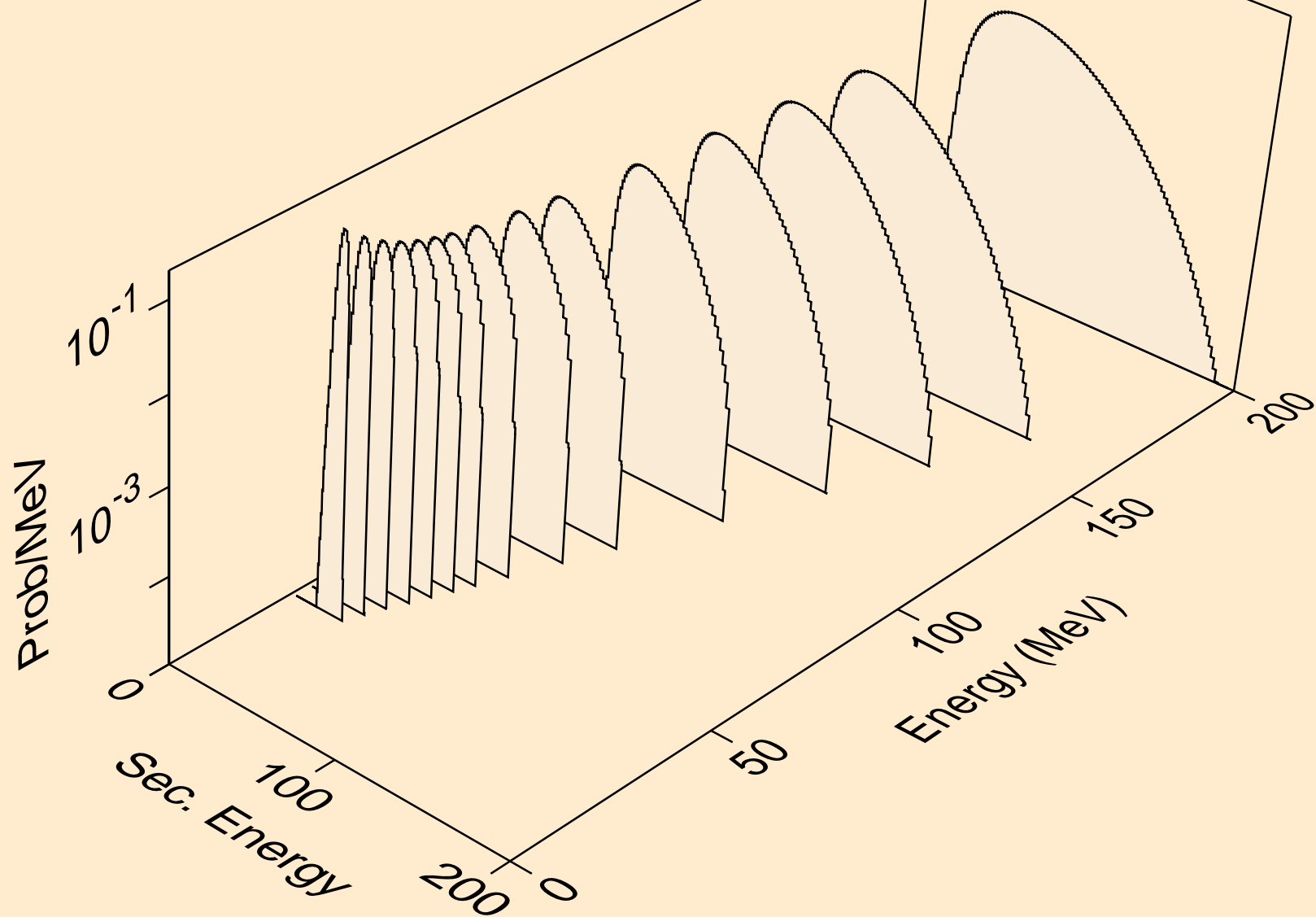
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tritons from (n,n\*)t



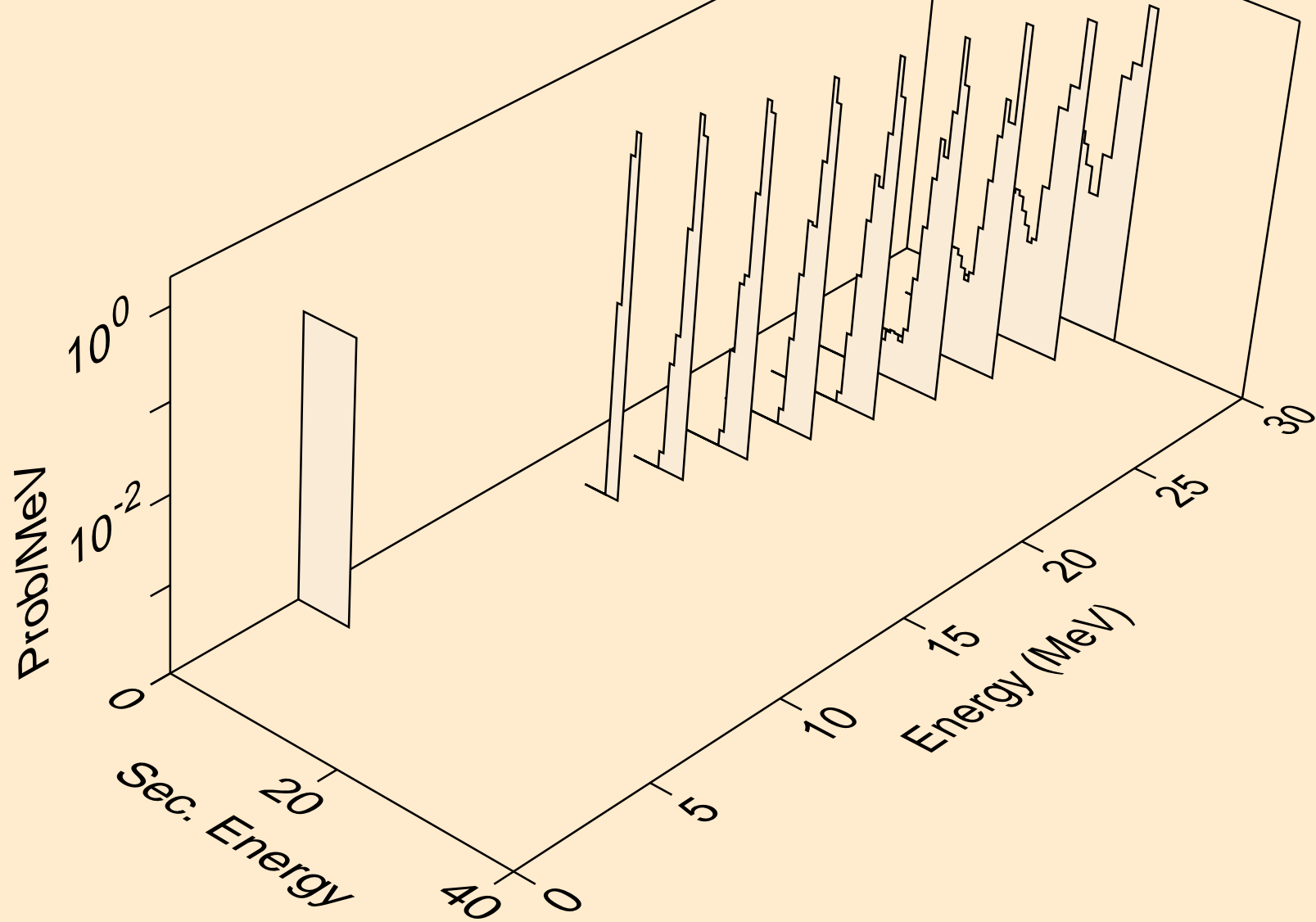
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tritons from (n,t)



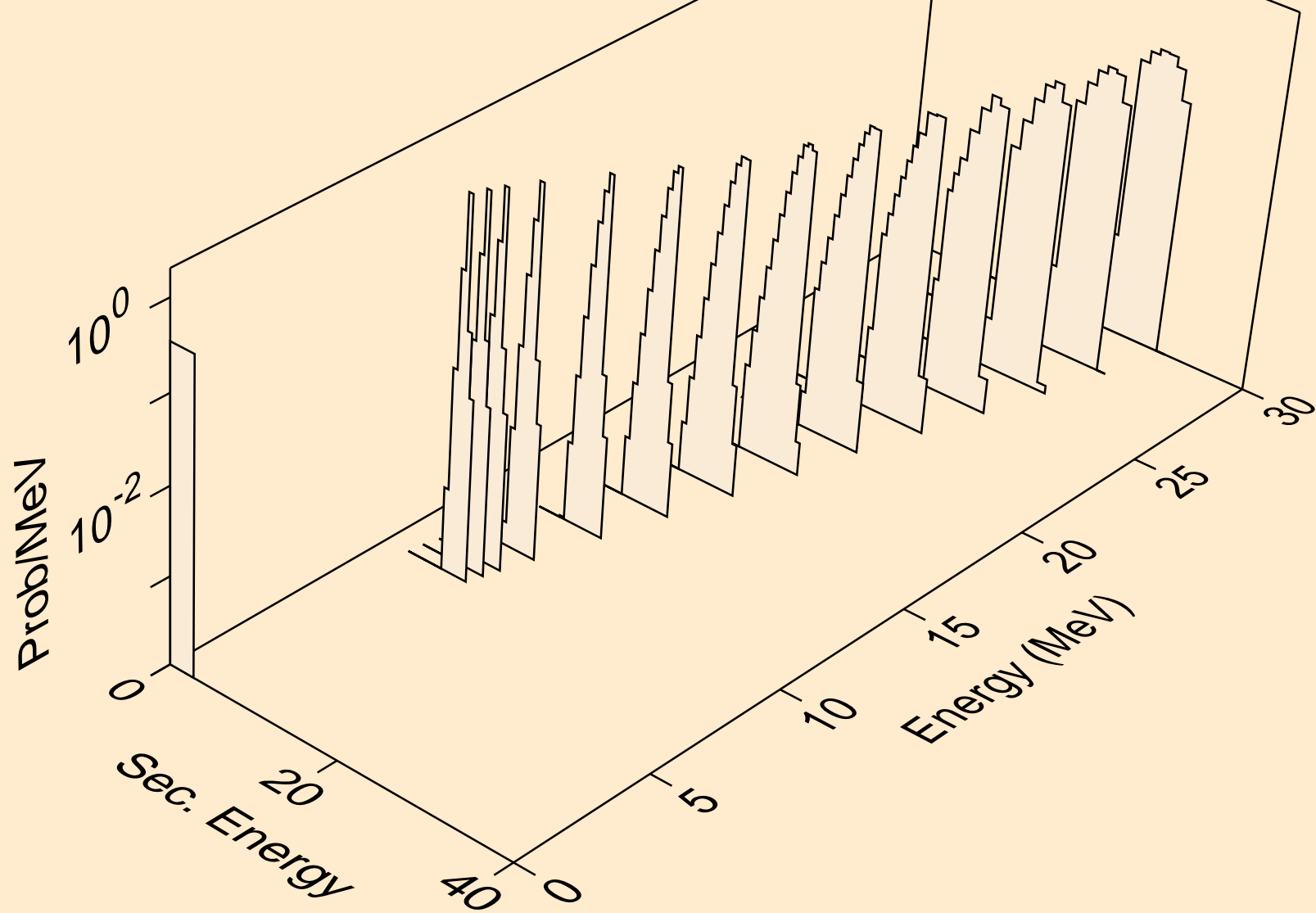
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he3s from (n,x)



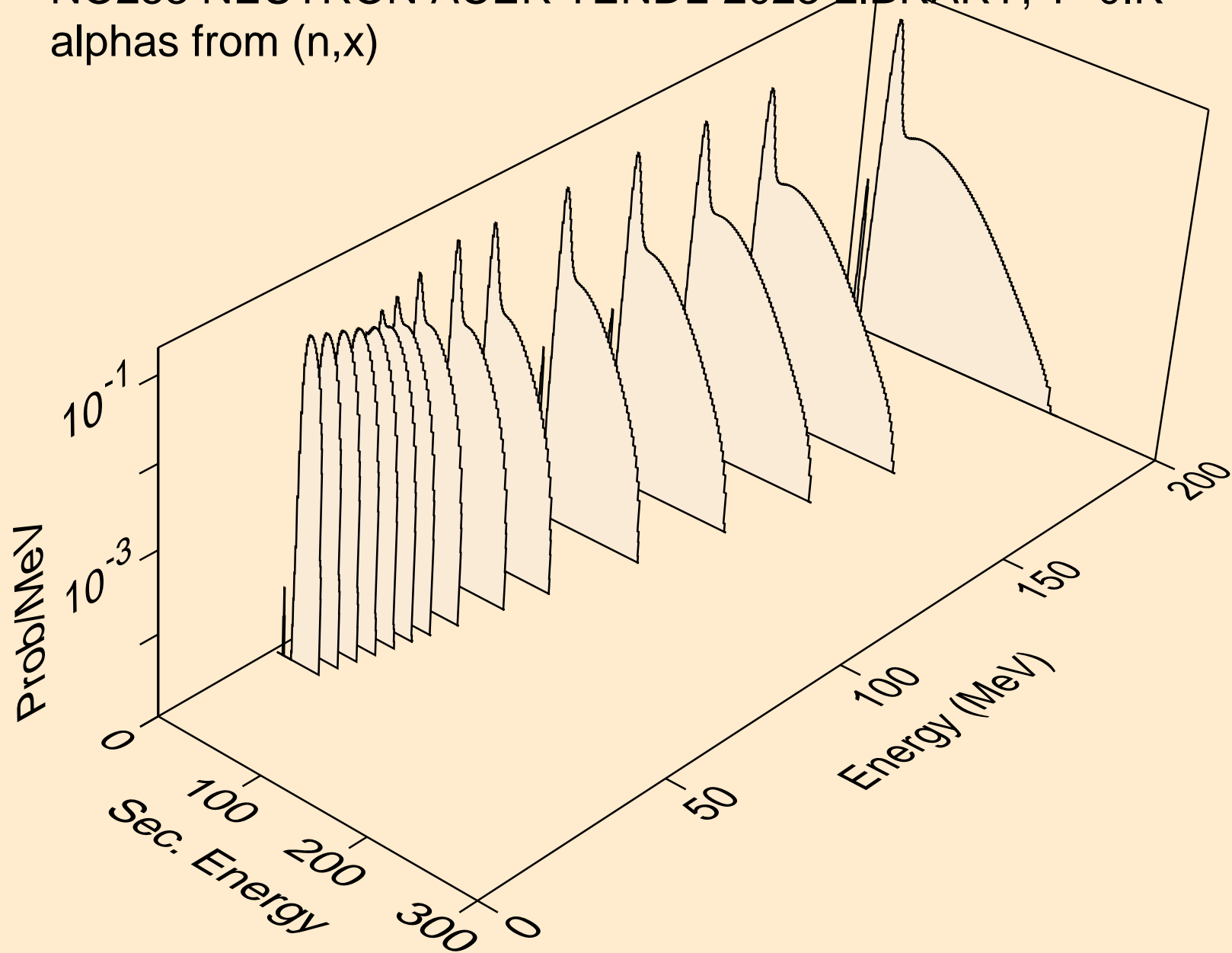
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he3s from (n,n\*)he3



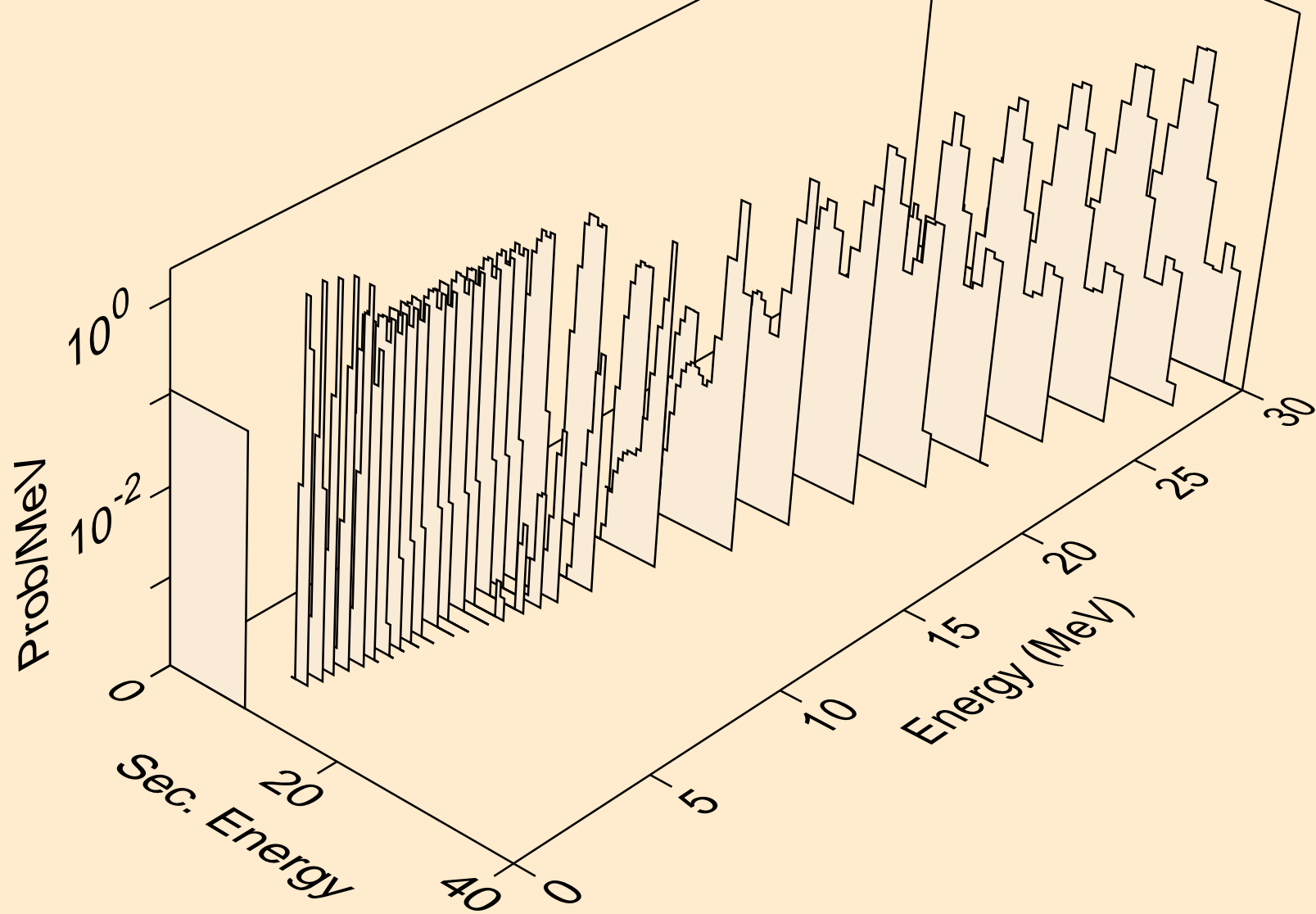
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NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

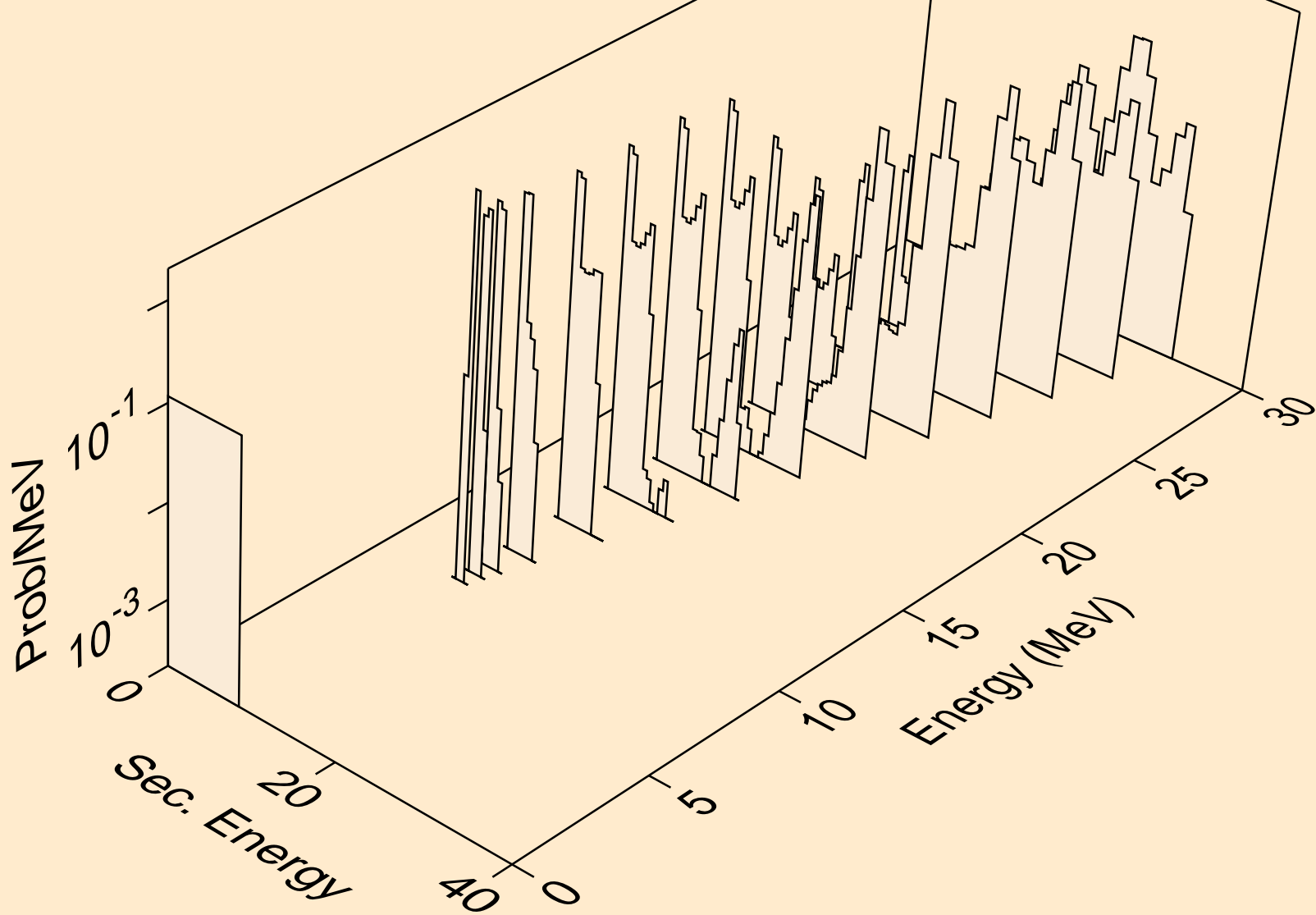


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alphas from (n,n\*)a

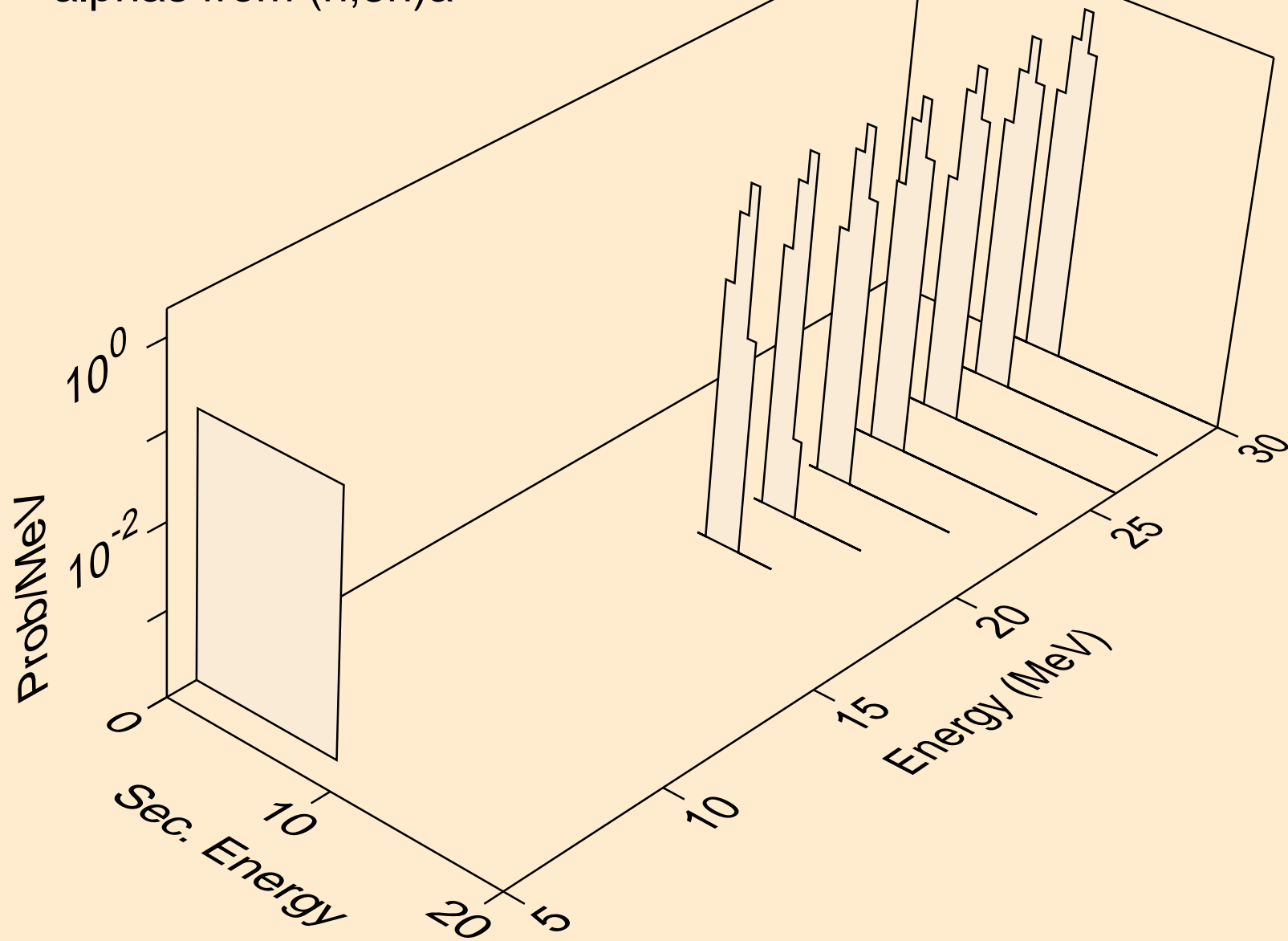




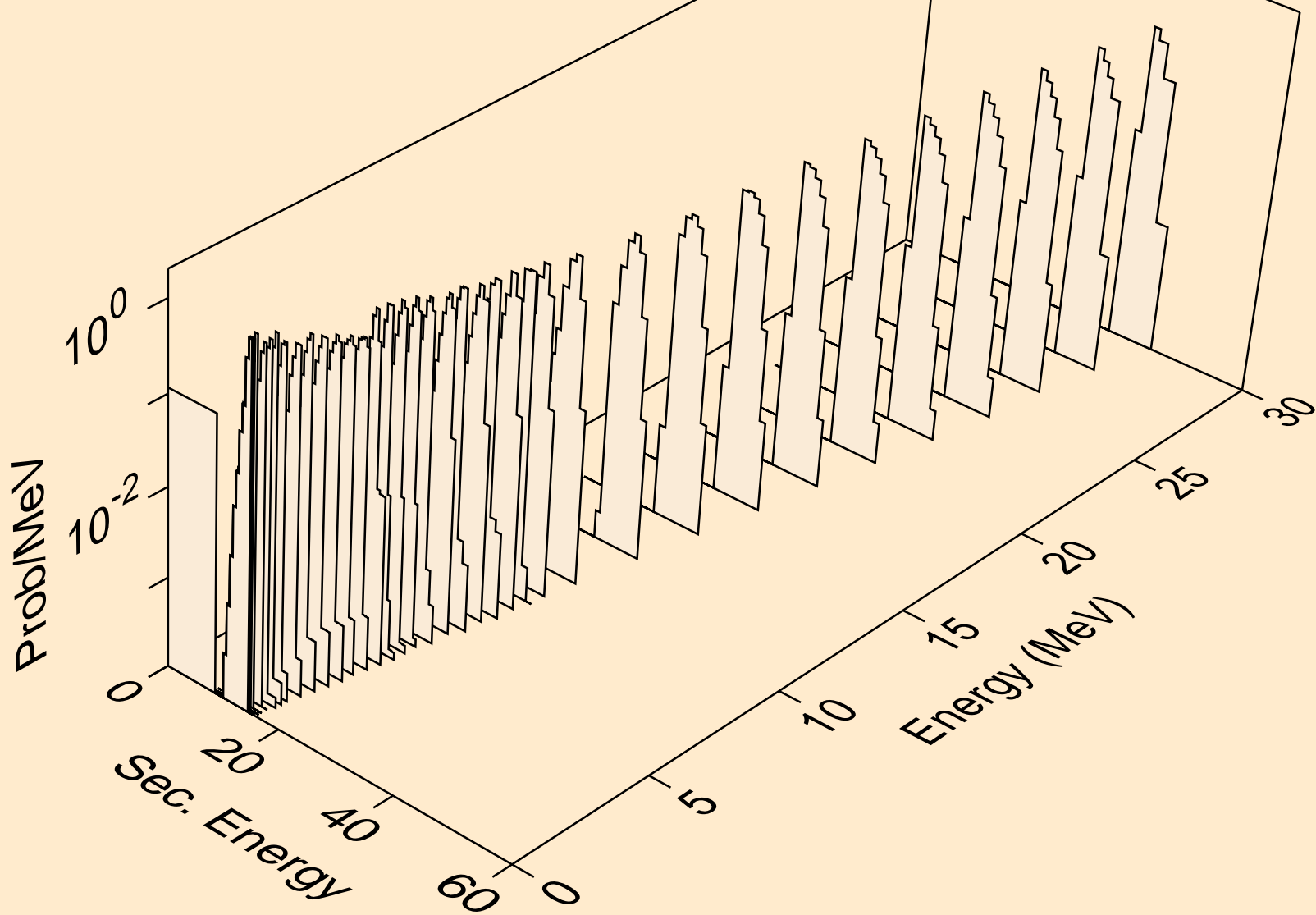
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alphas from (n,2n)a



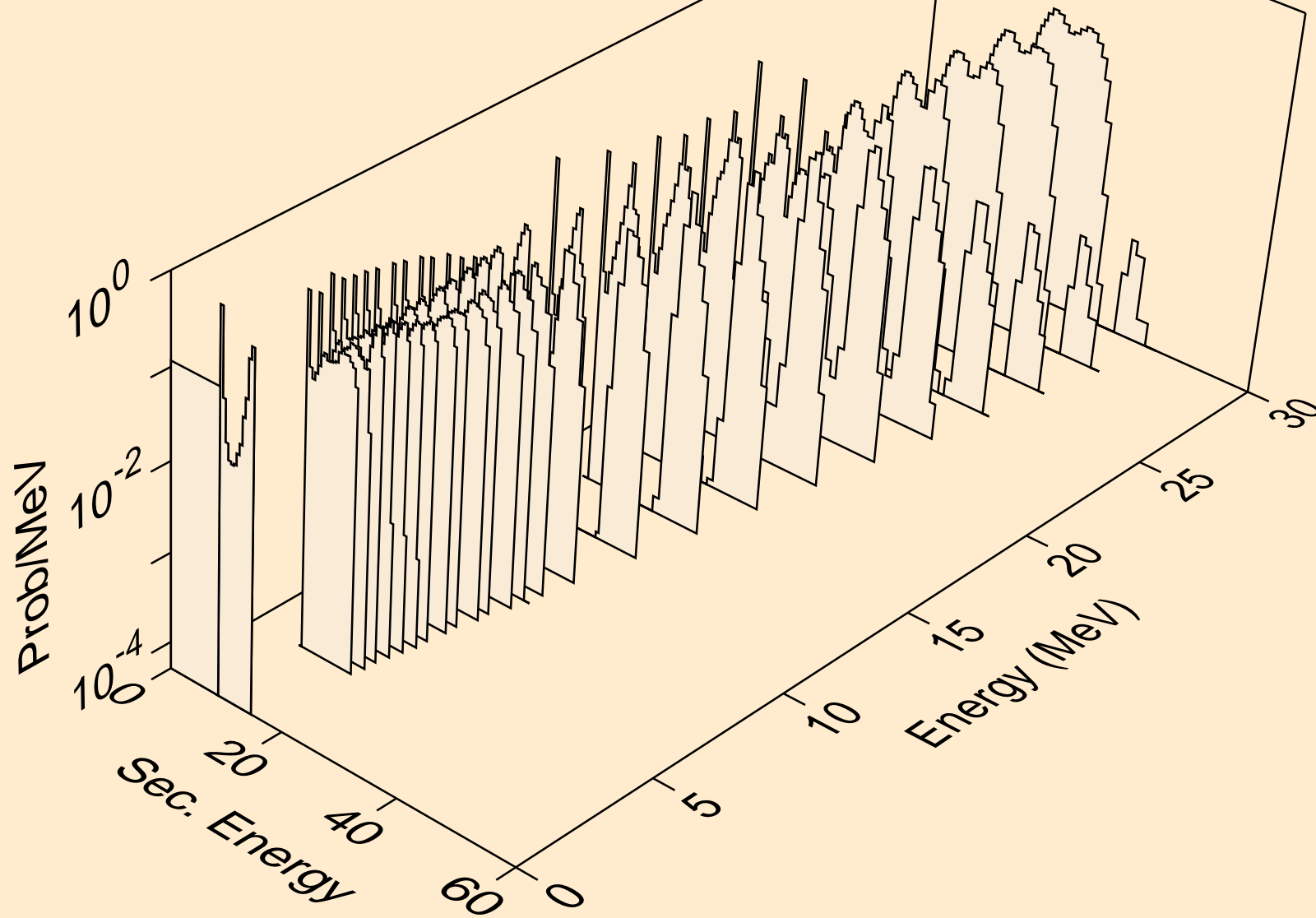
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alphas from (n,3n)a



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



NO253 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

