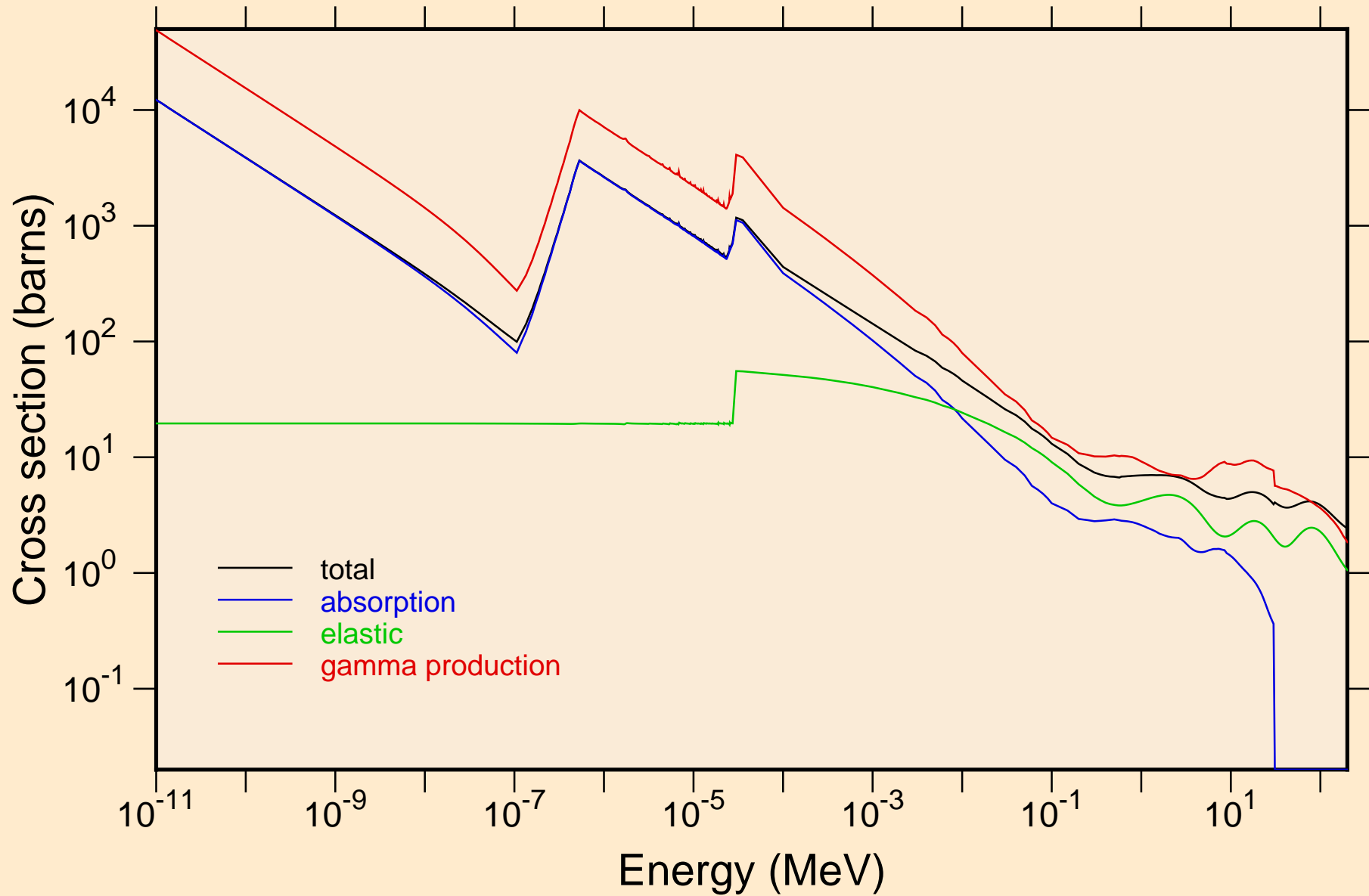
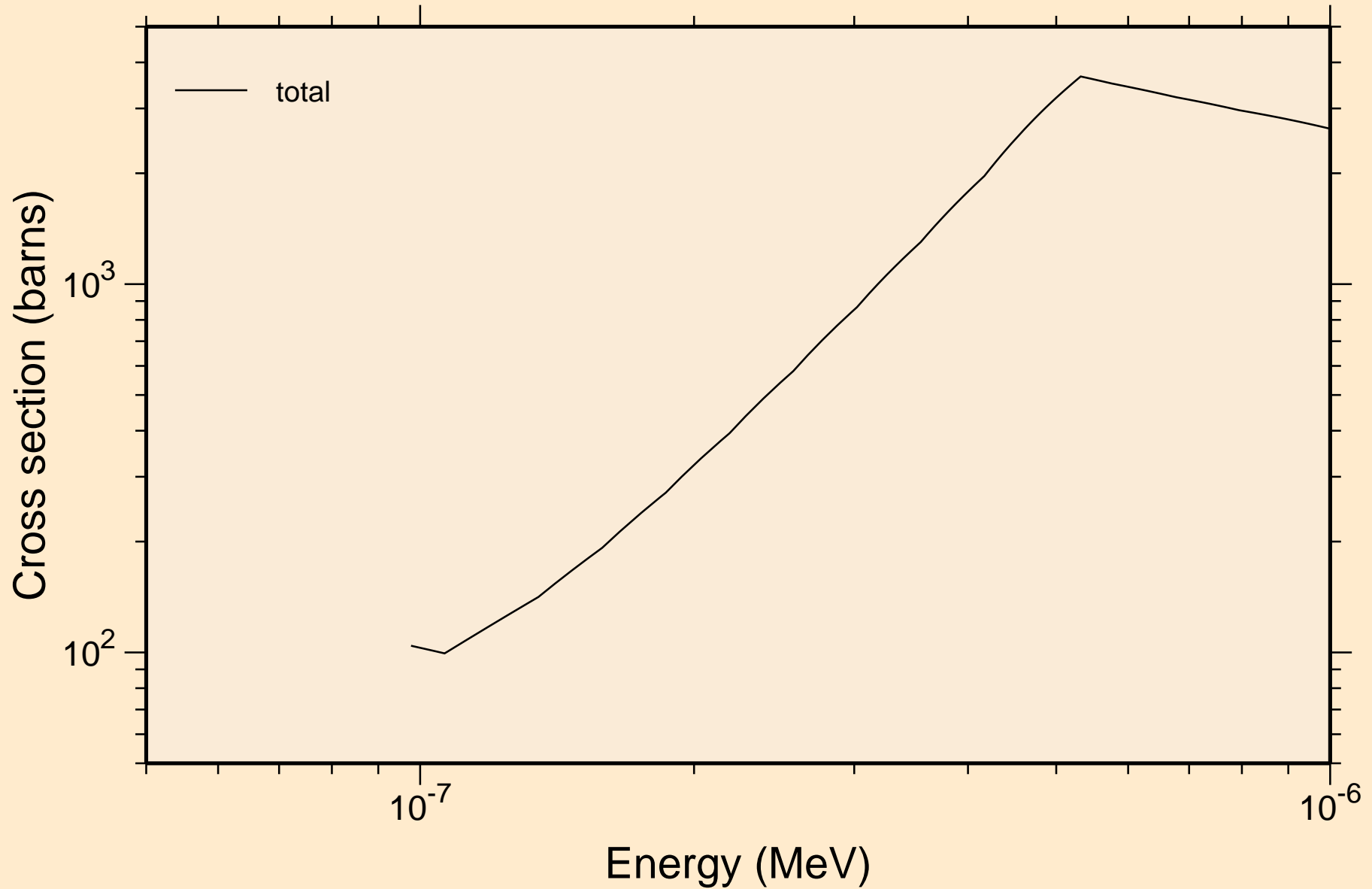


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

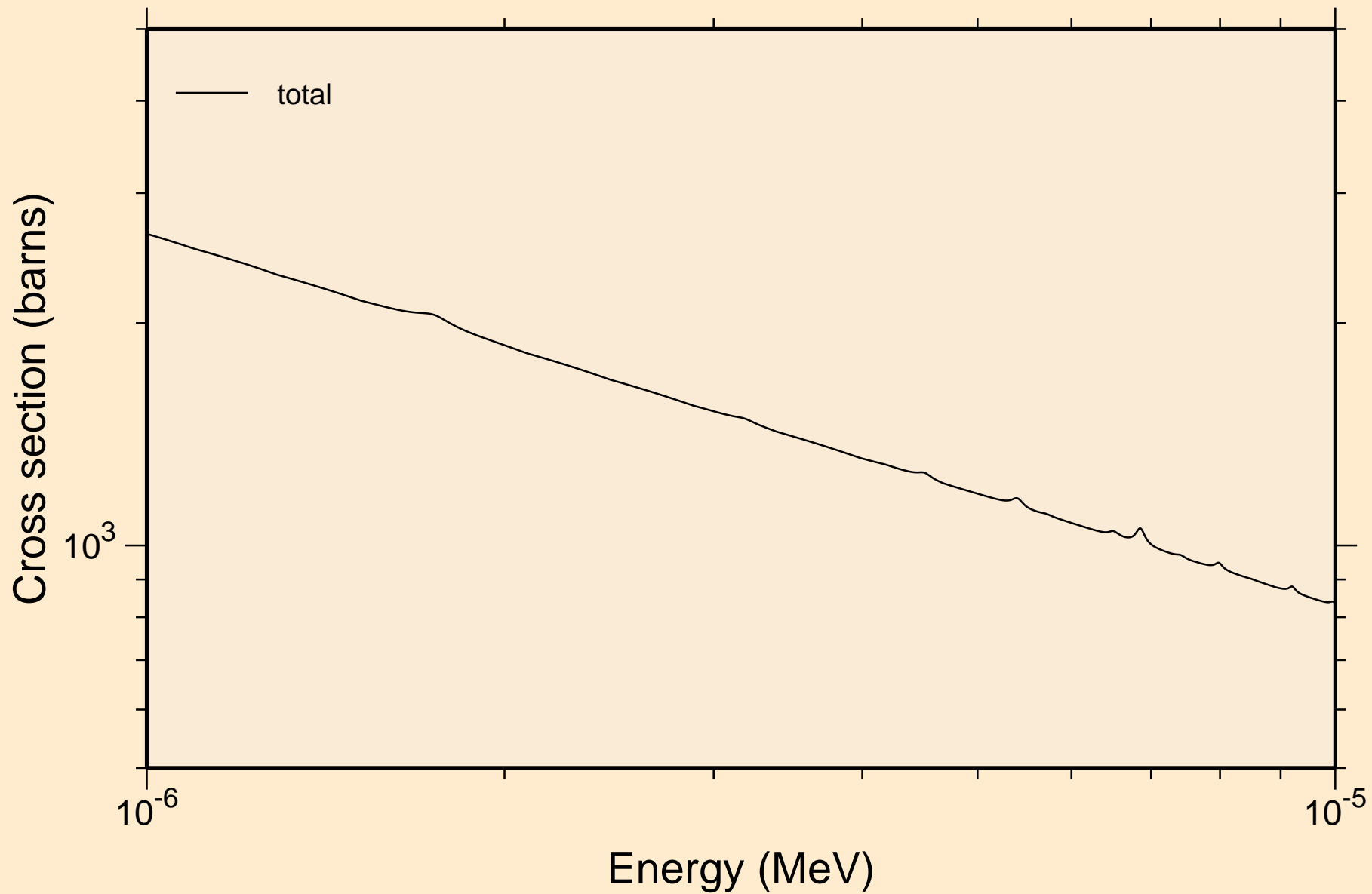
## Principal cross sections



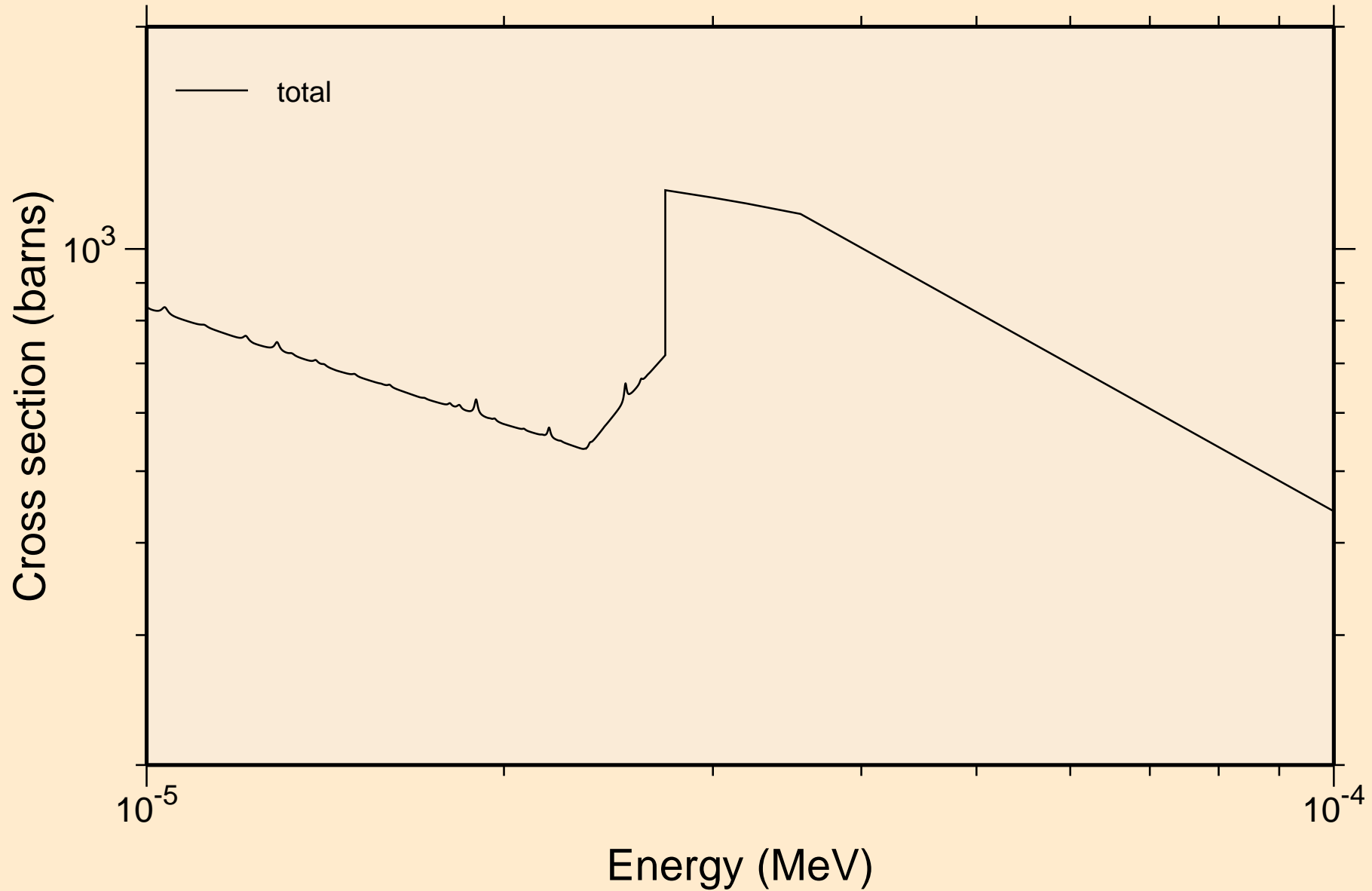
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



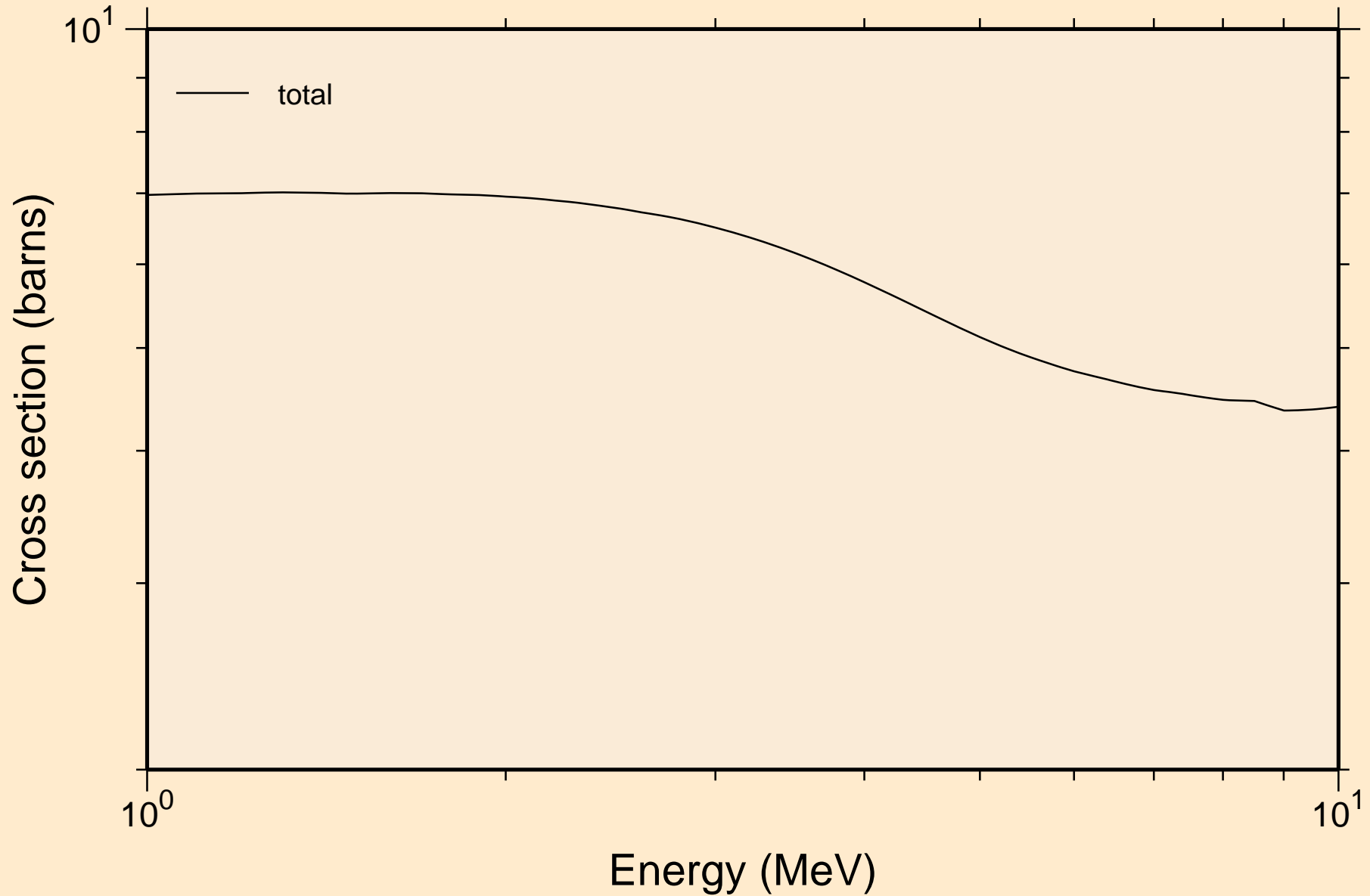
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



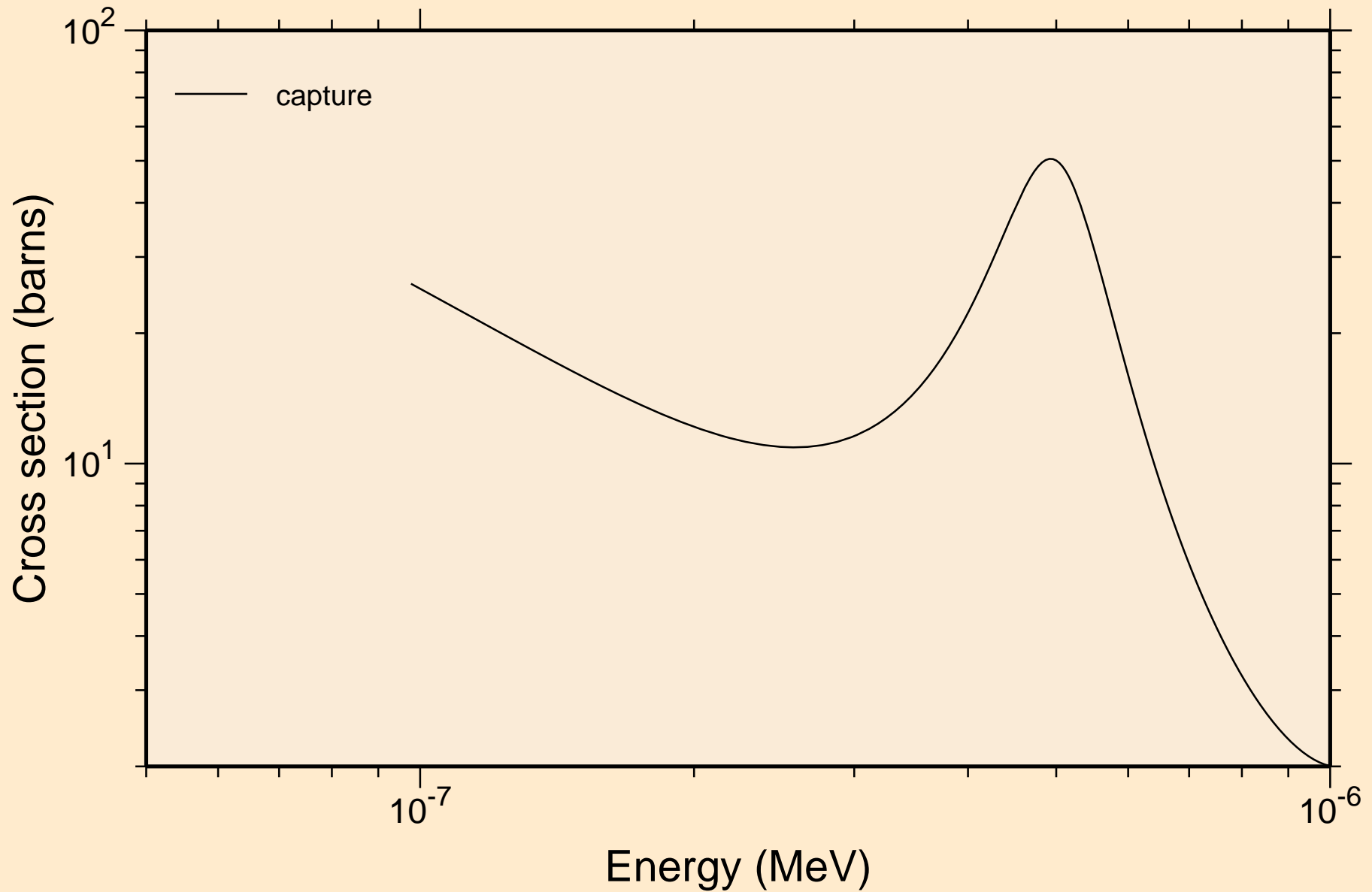
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



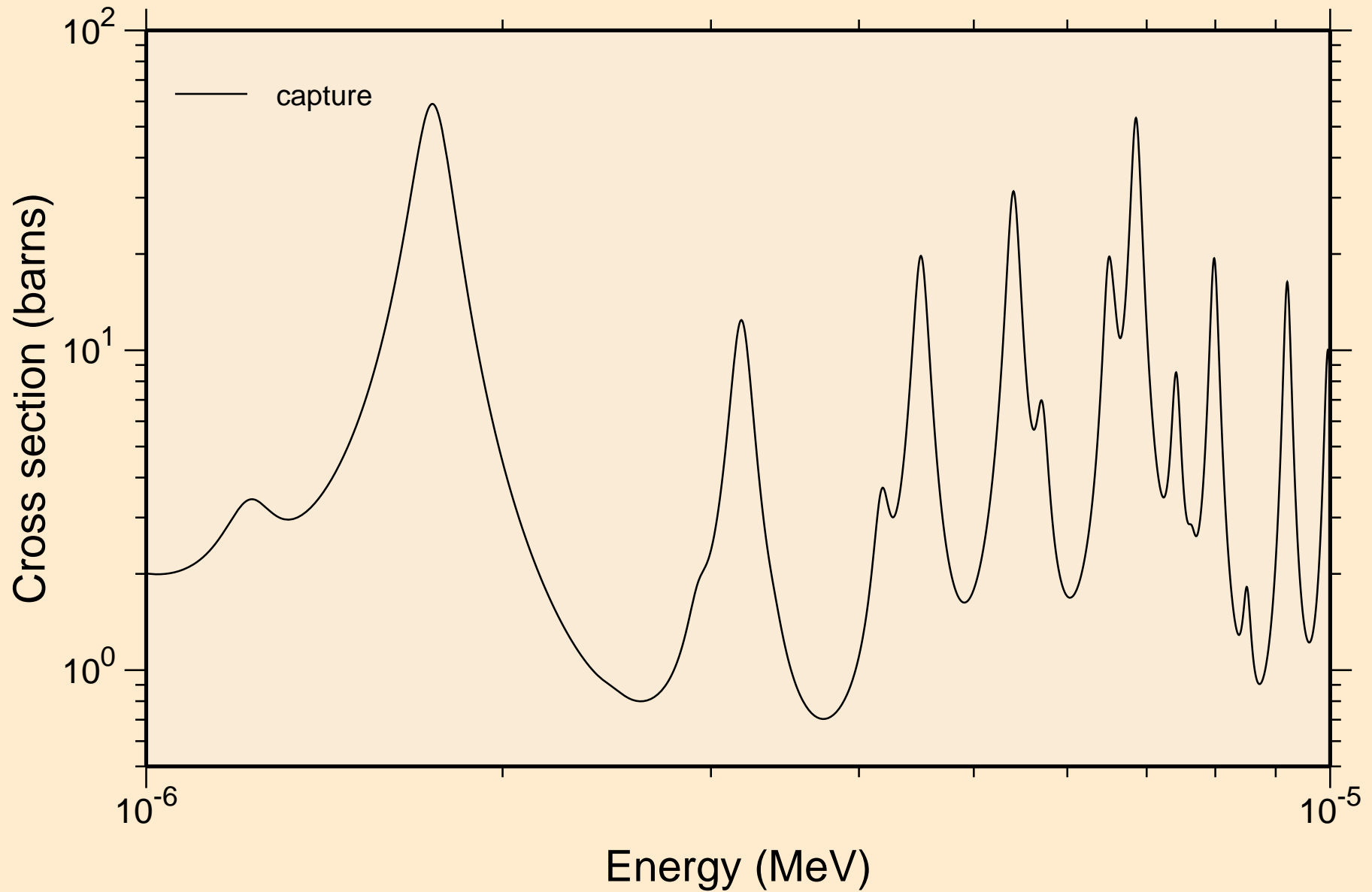
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



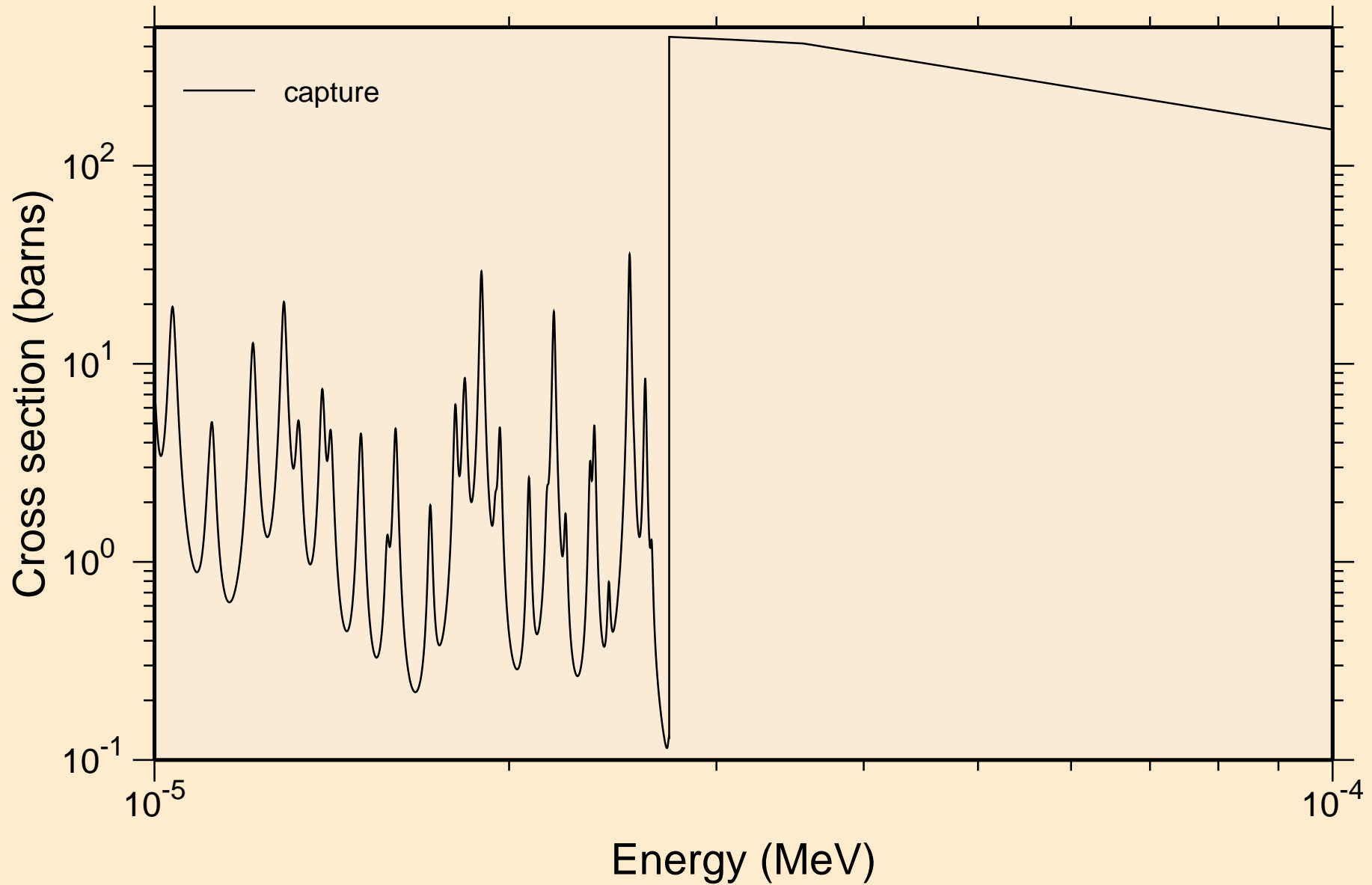
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



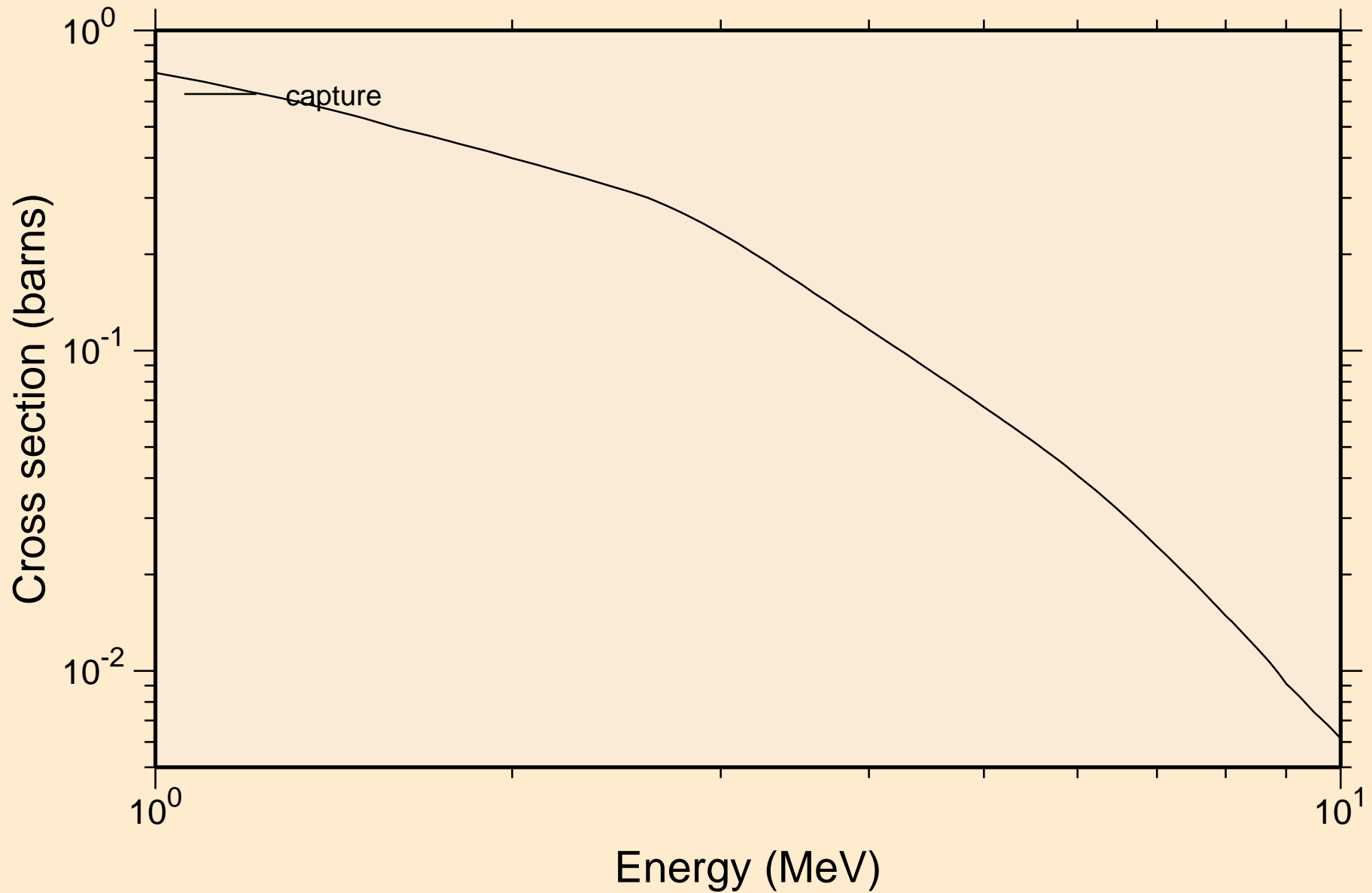
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

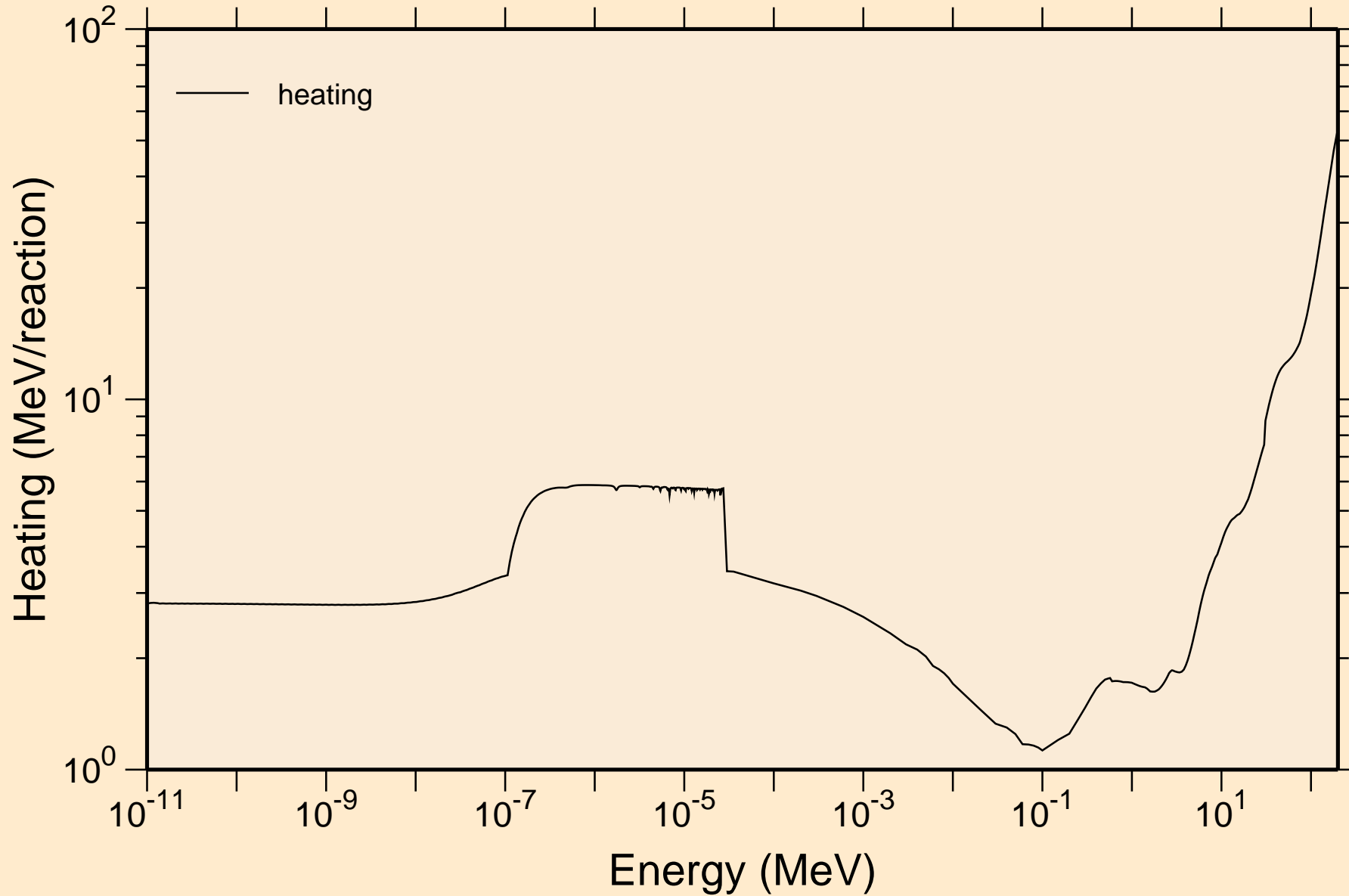


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

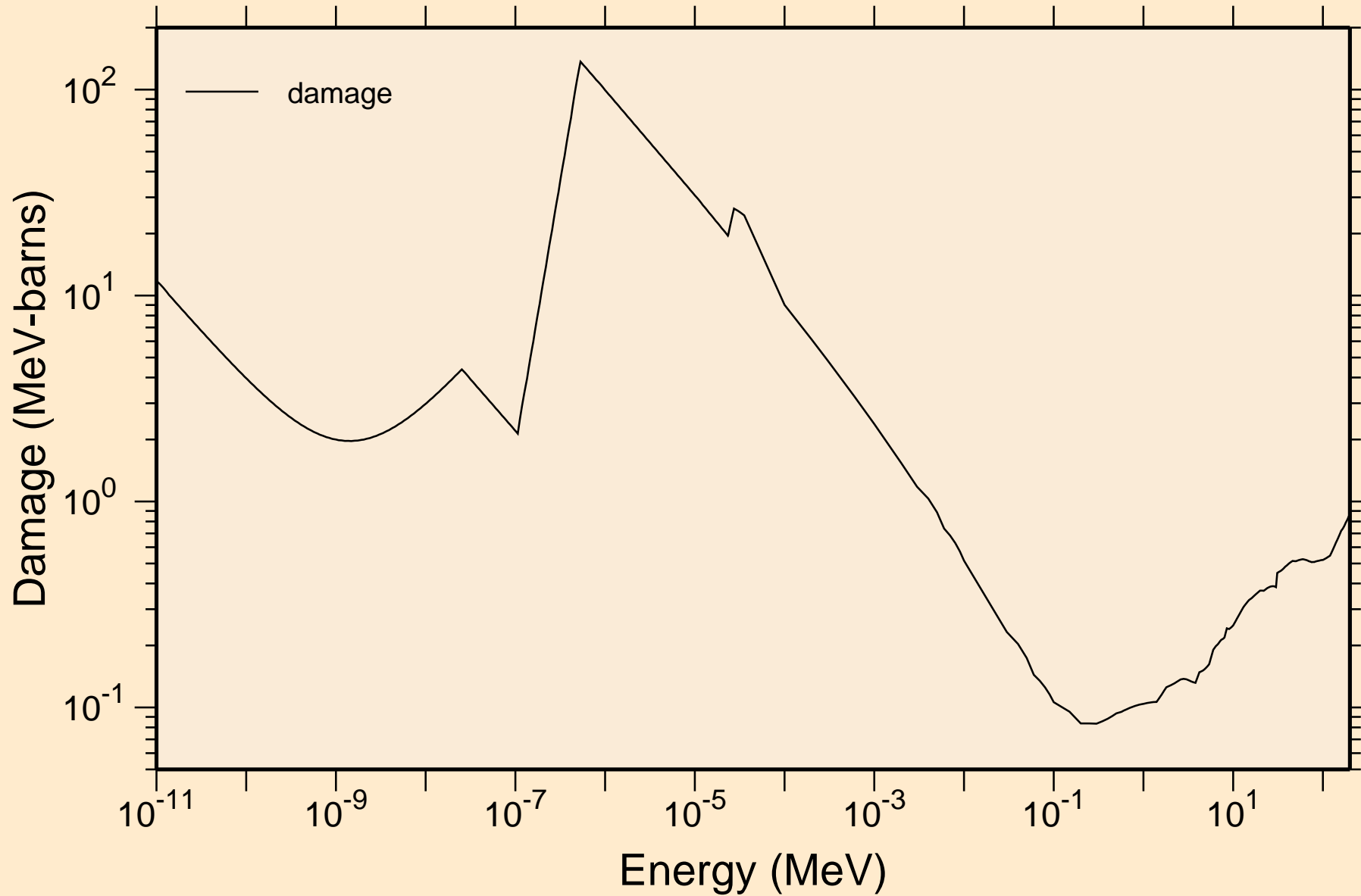


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

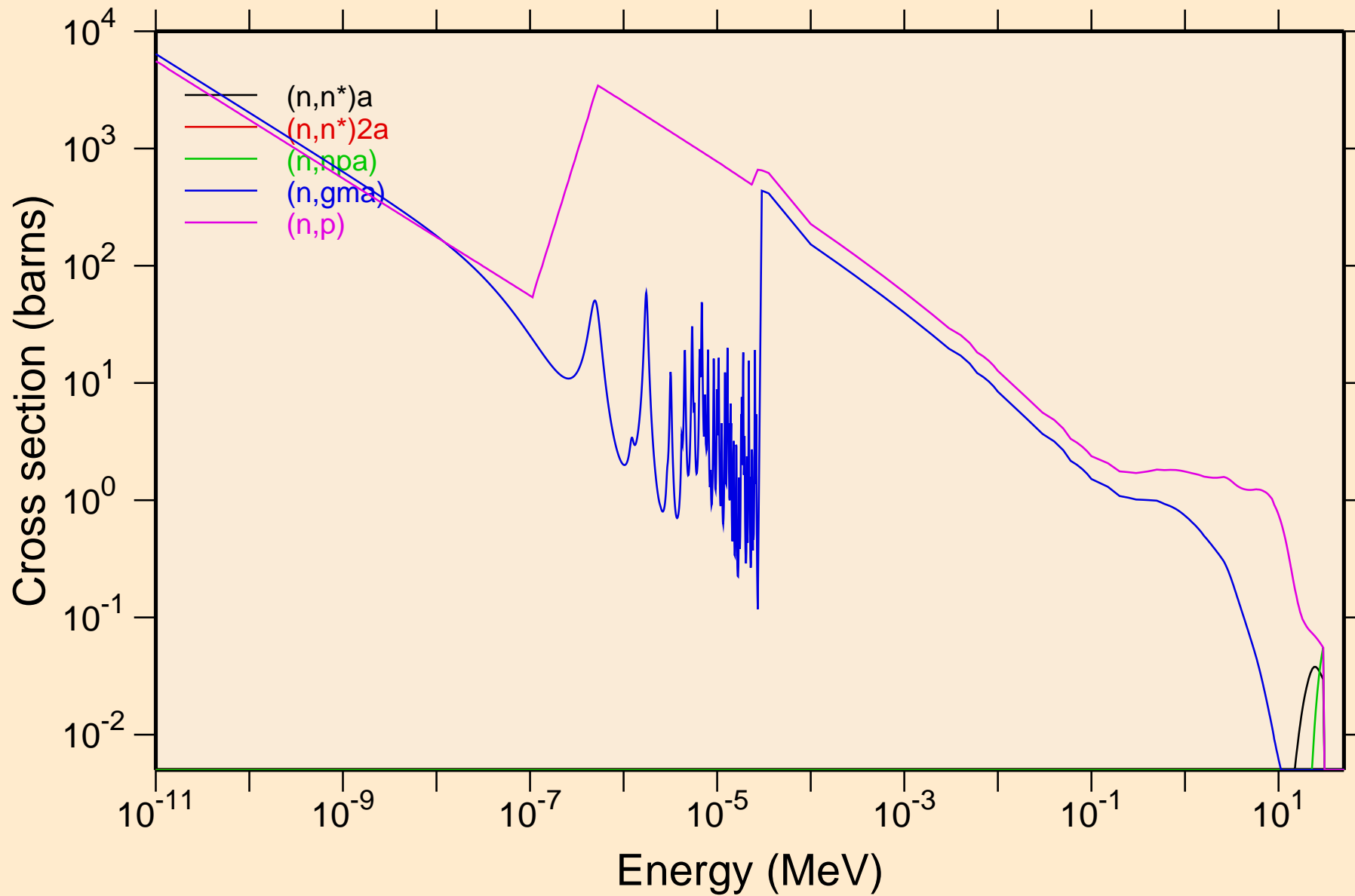


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

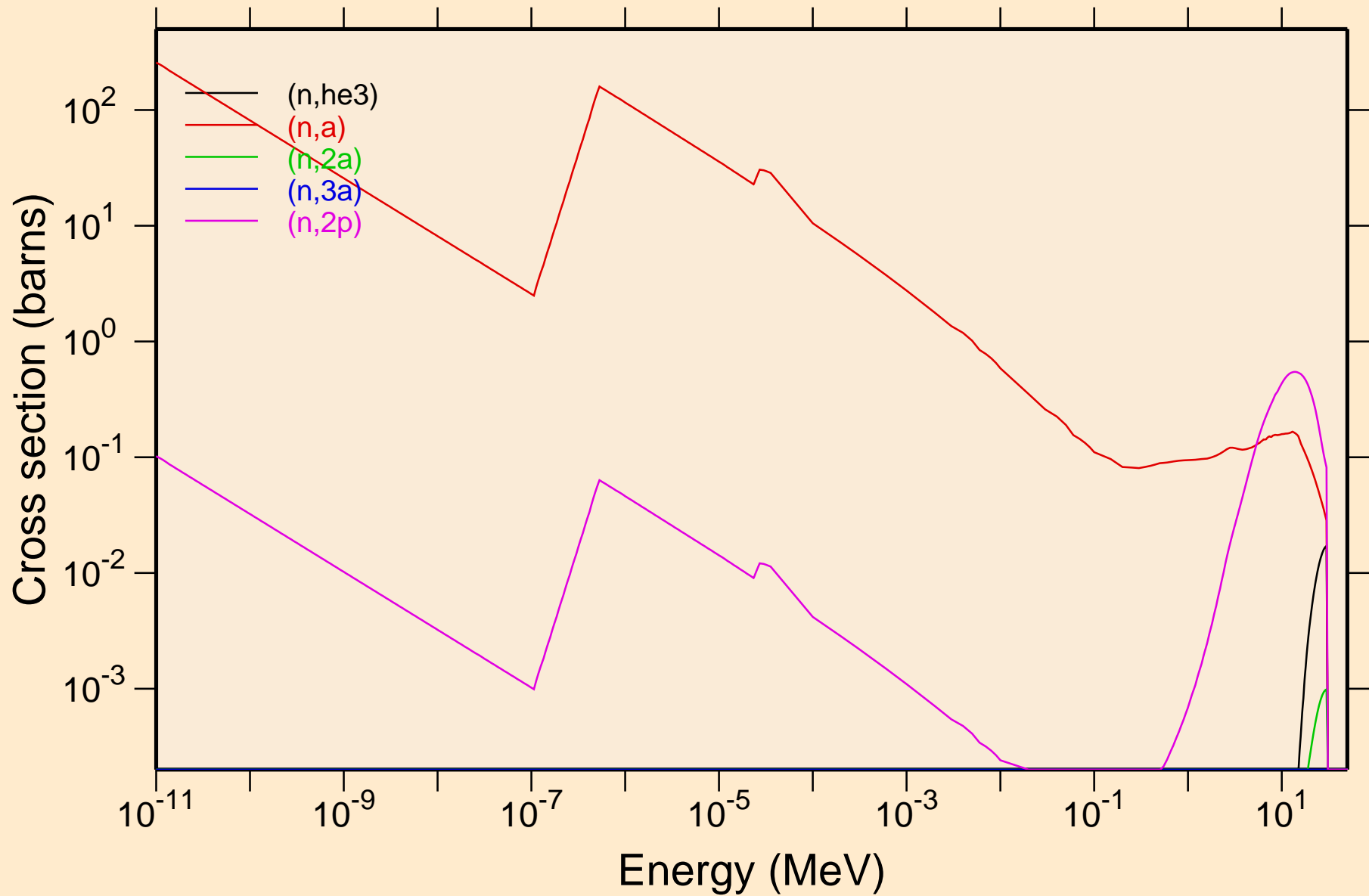


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

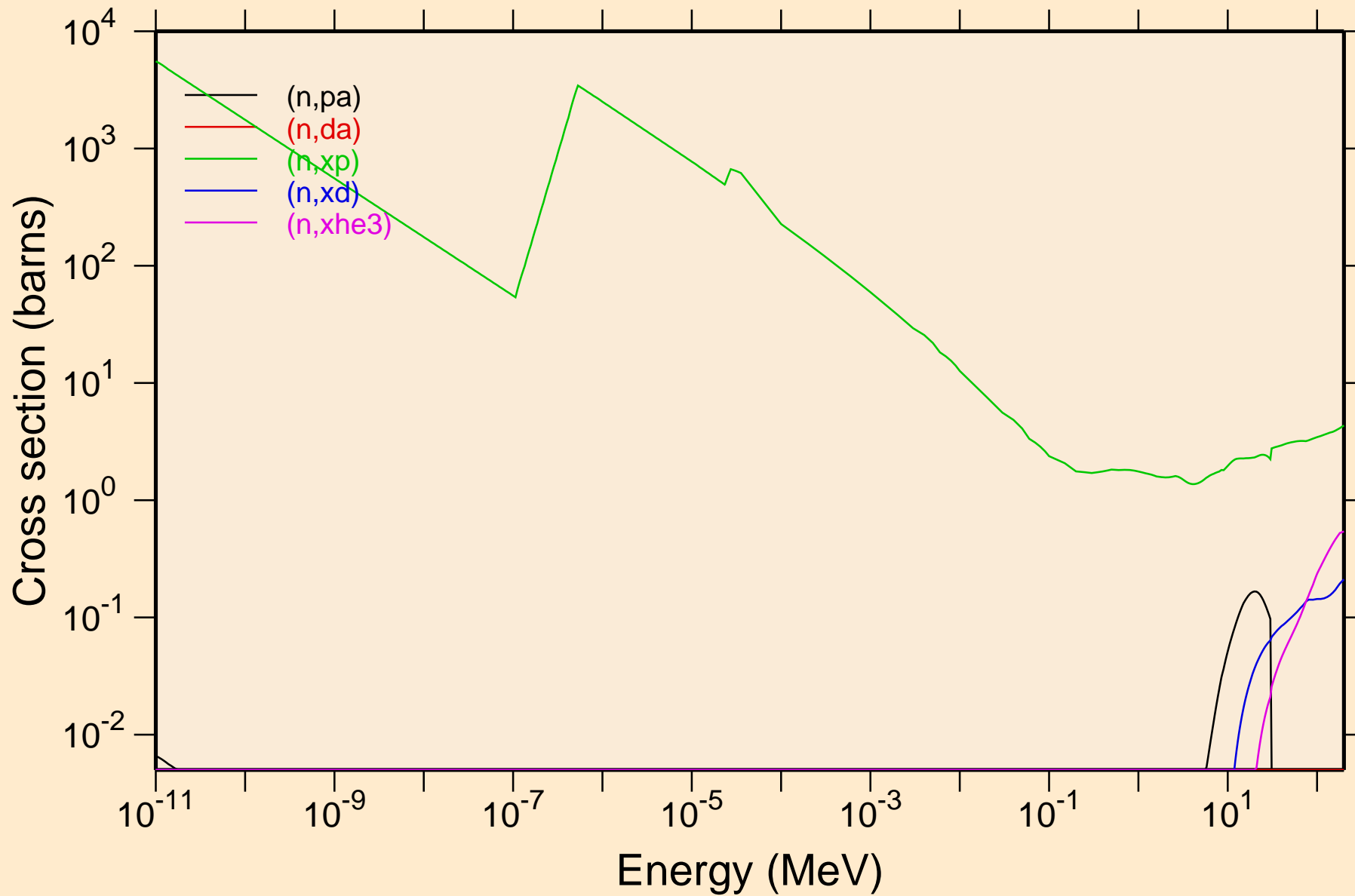


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

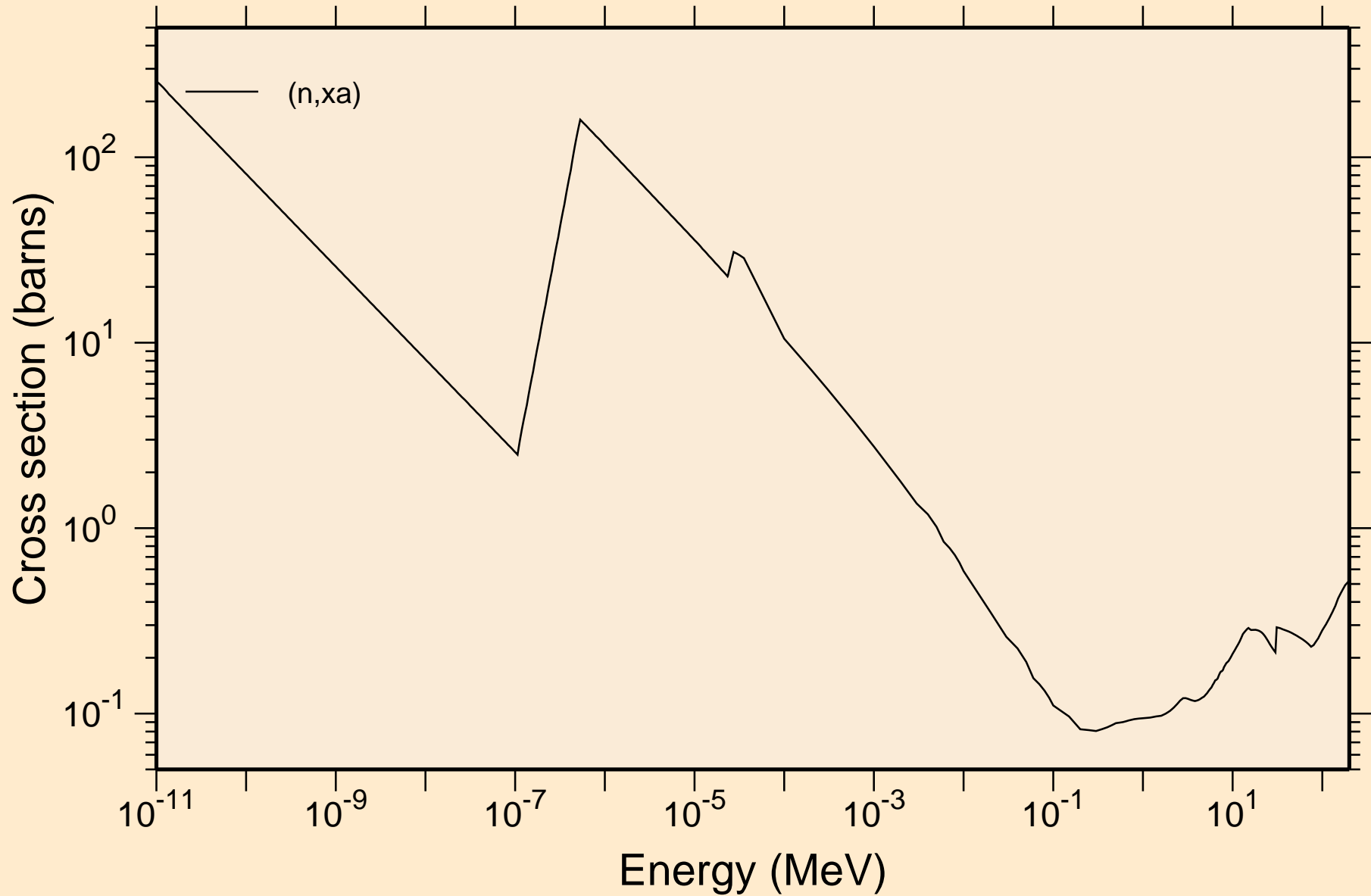


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

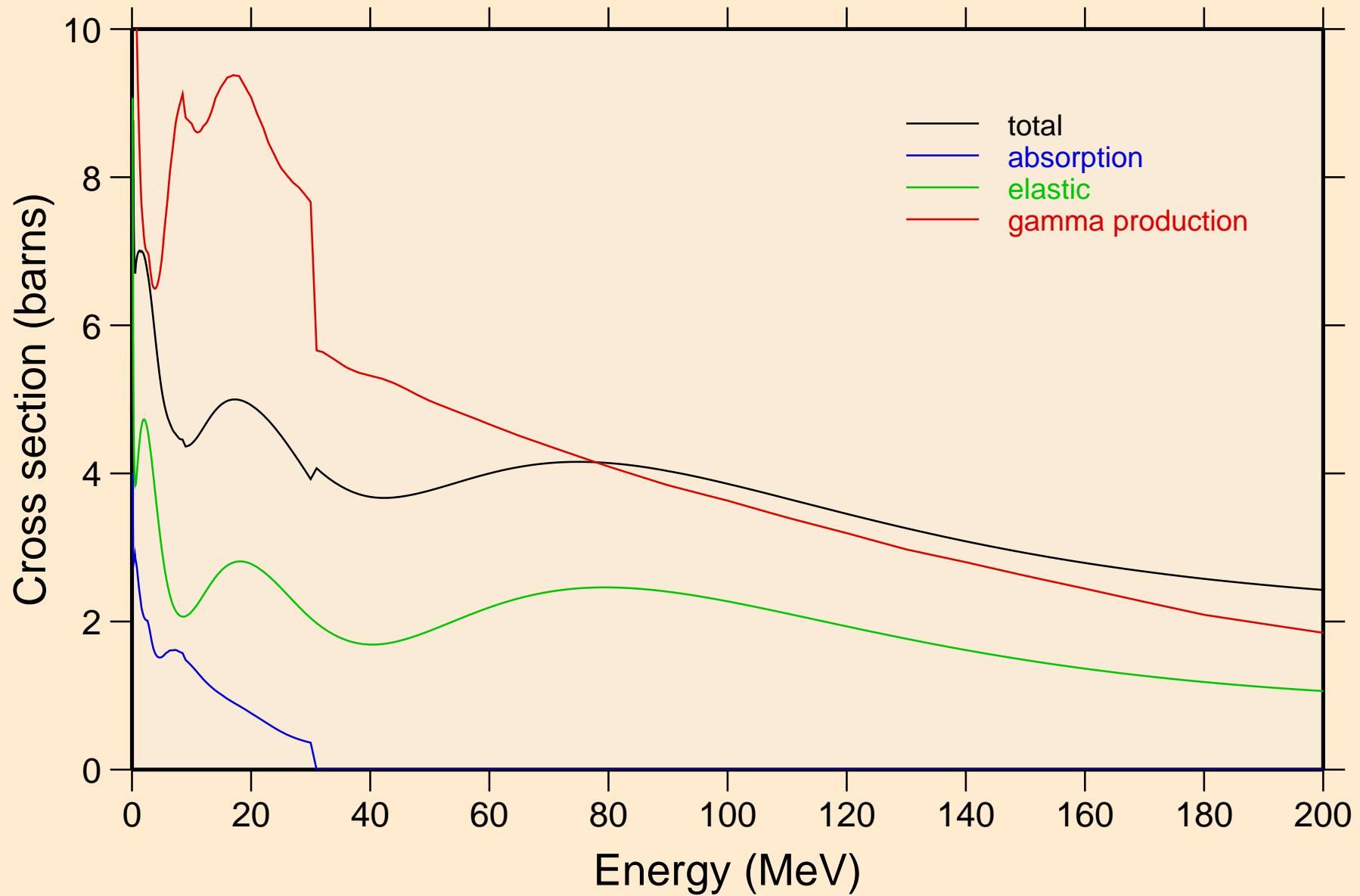


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



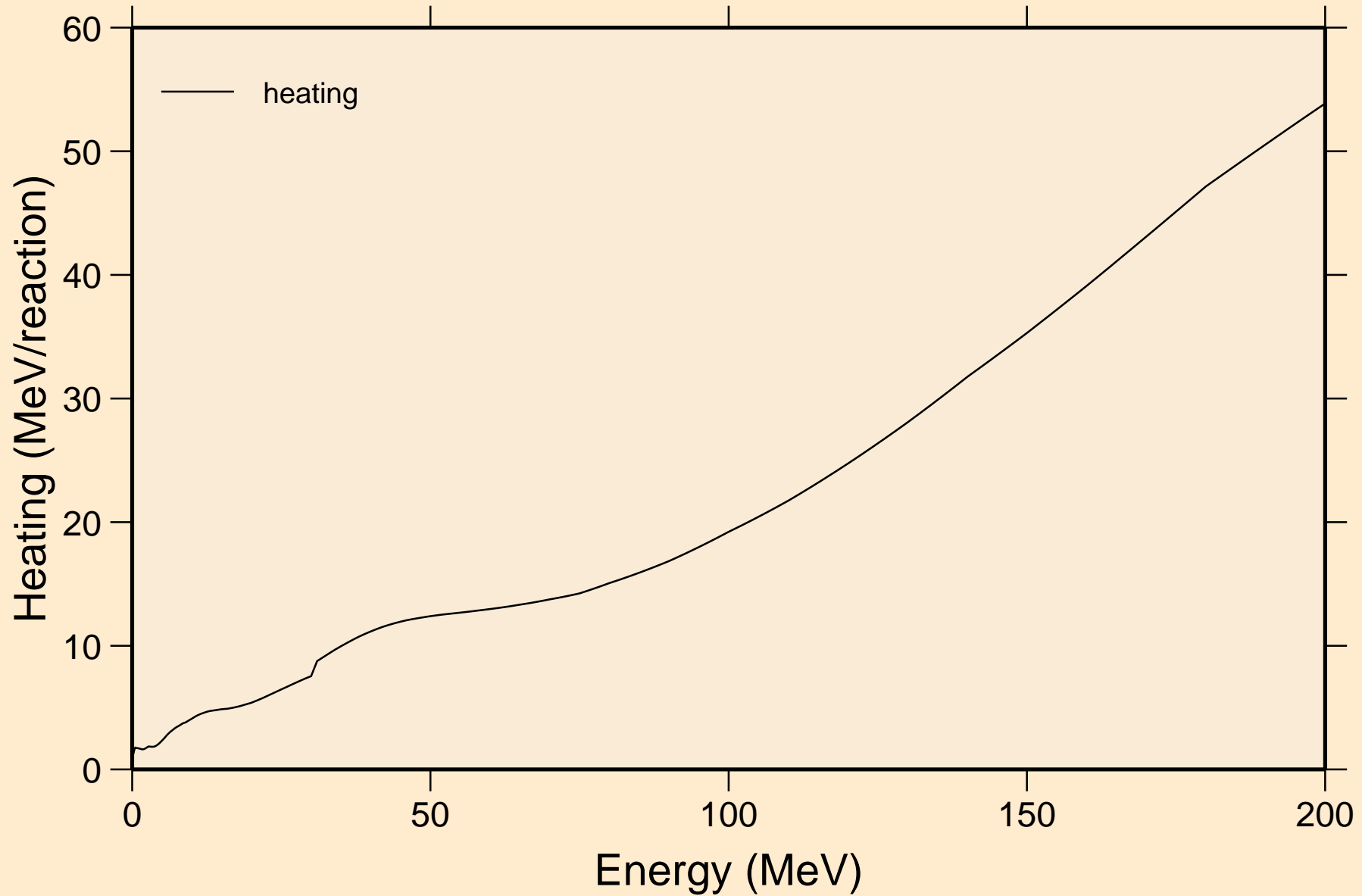
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



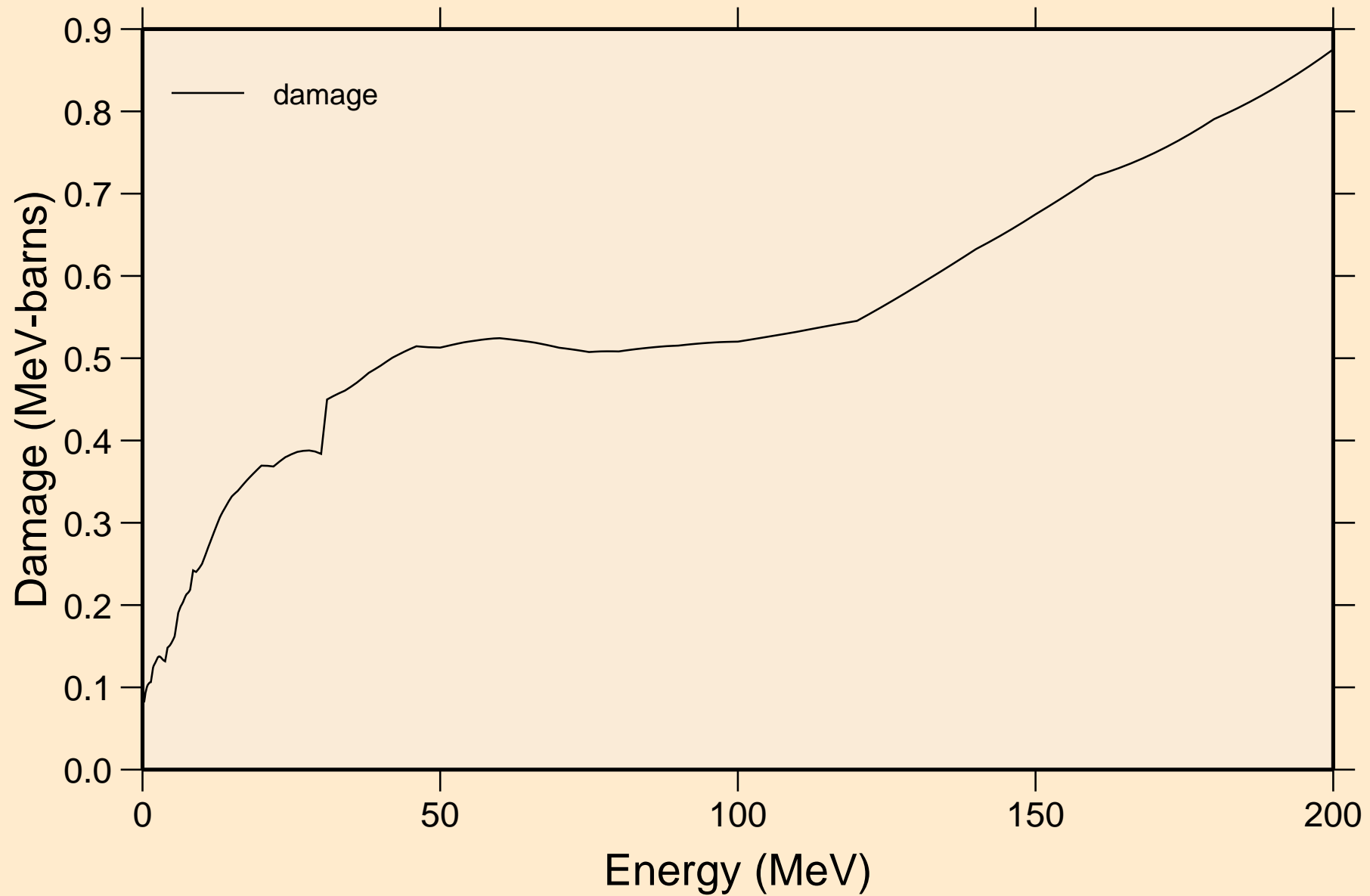
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



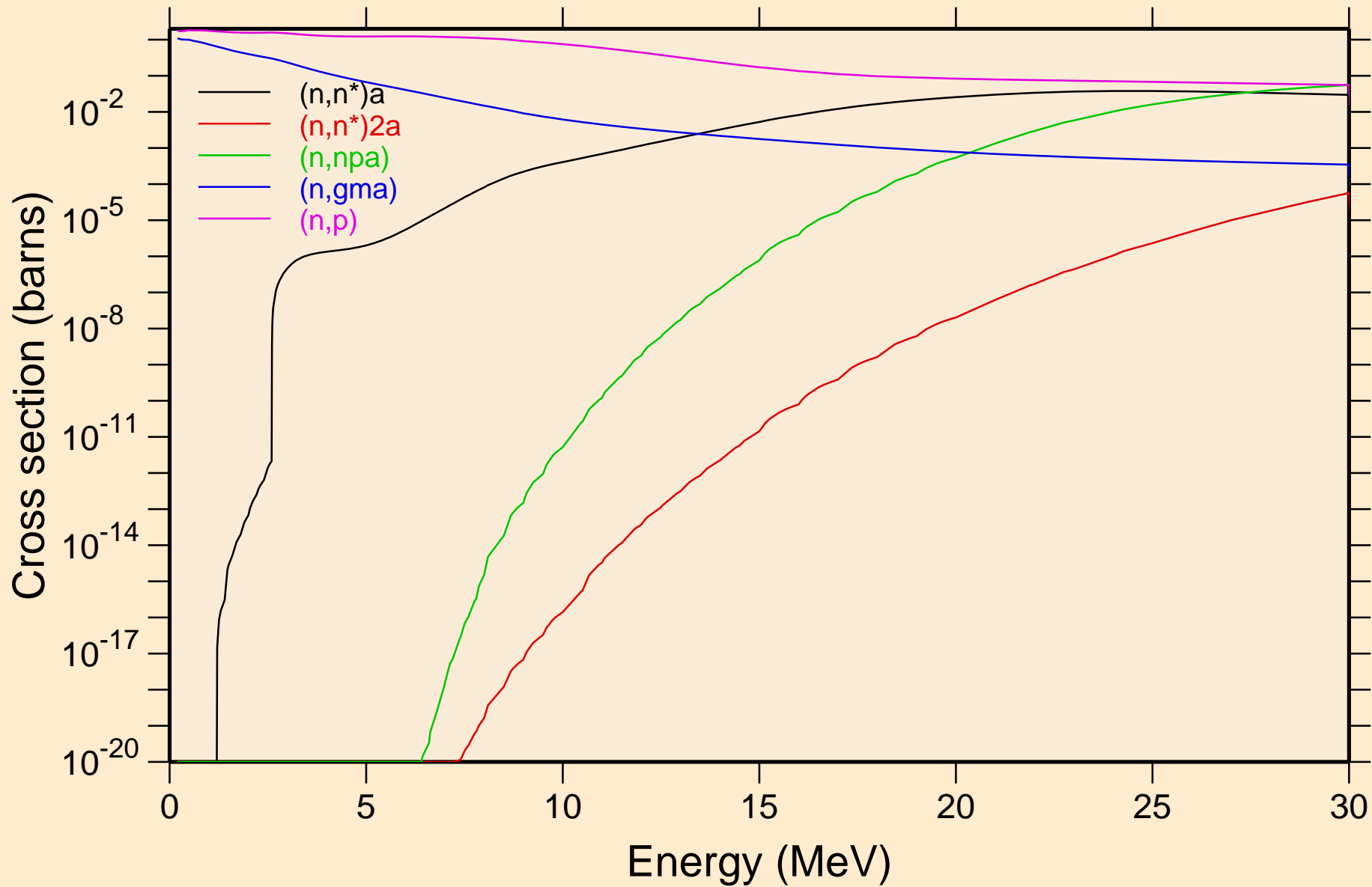
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



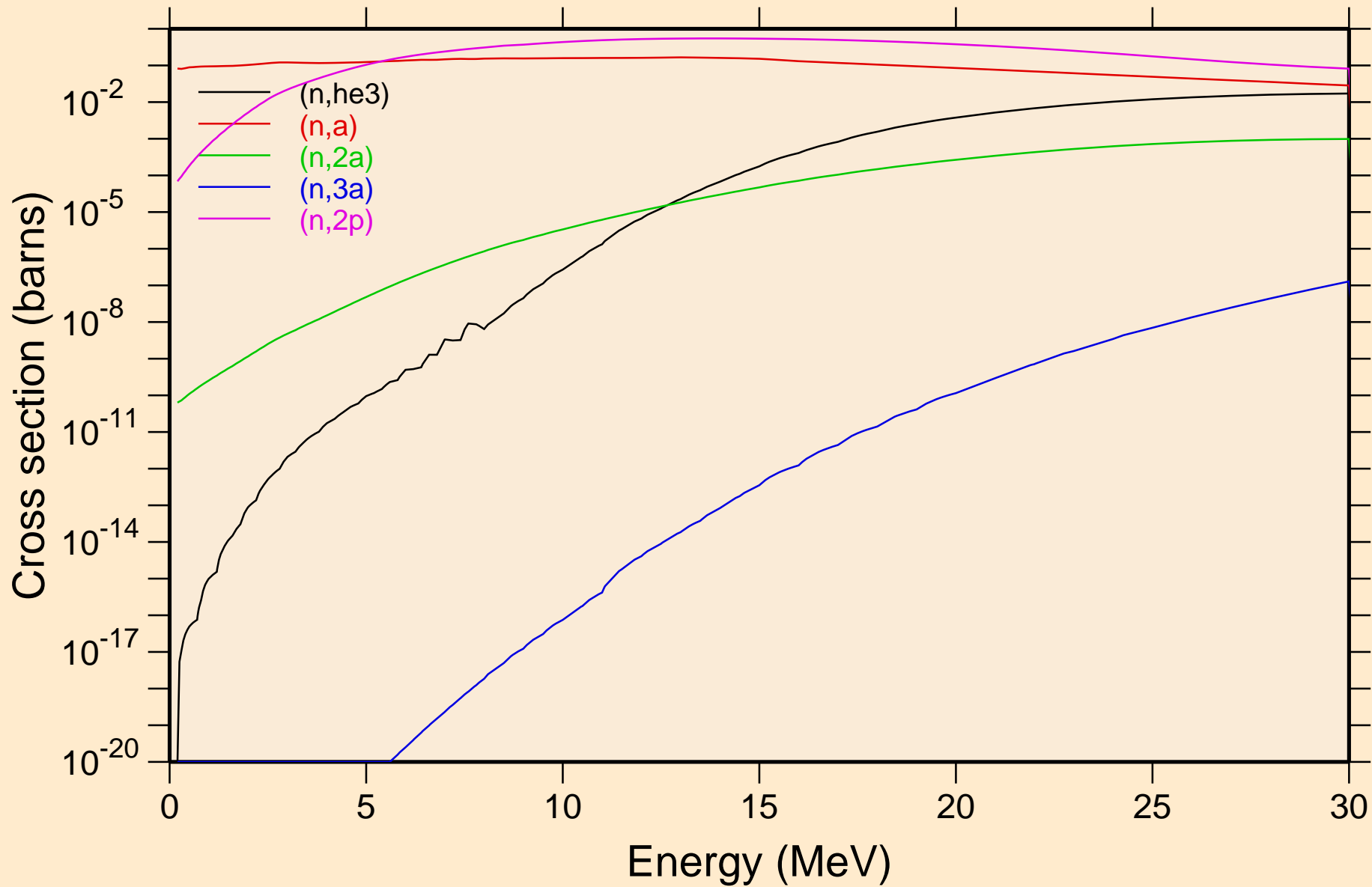
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



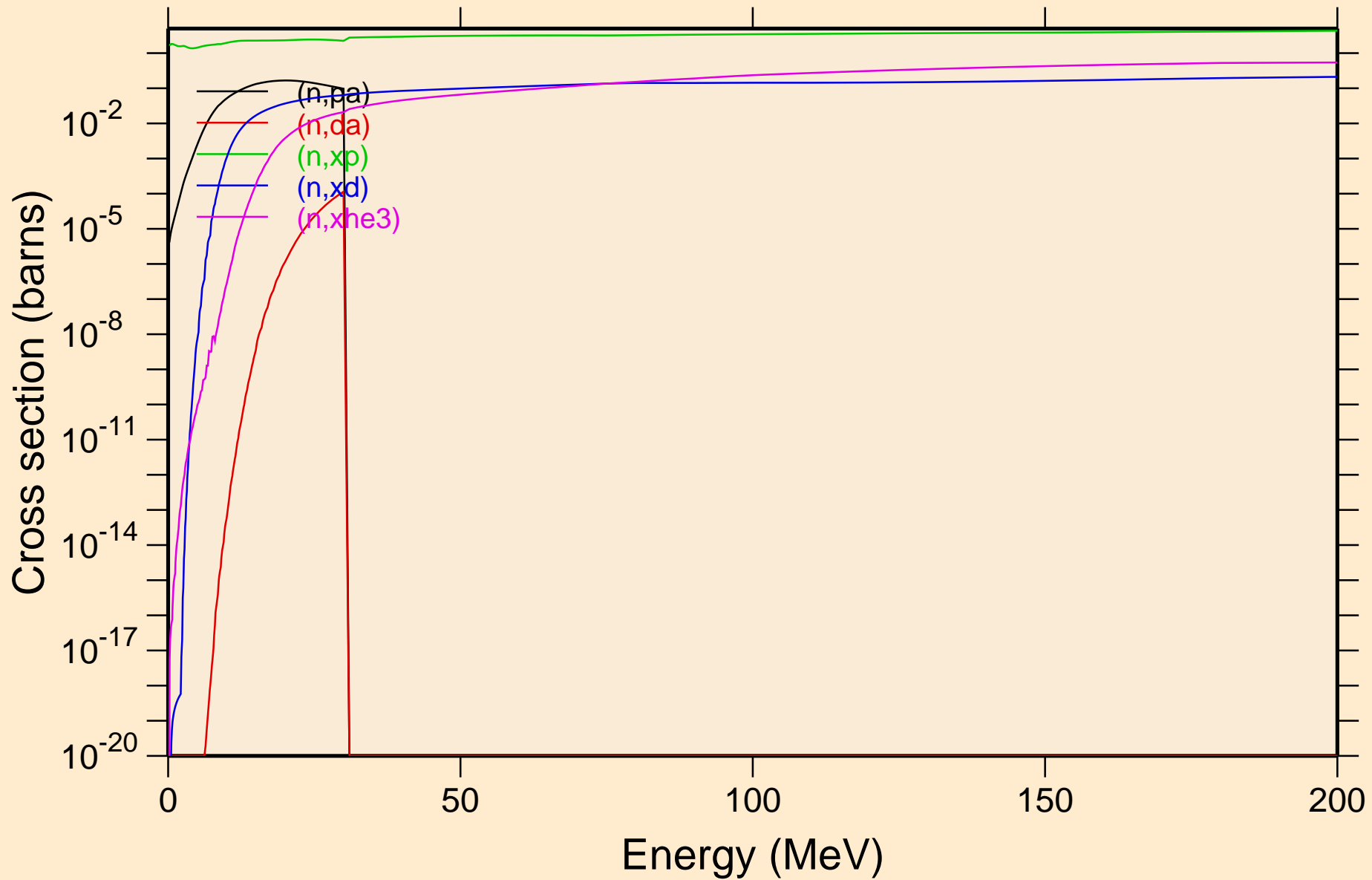
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

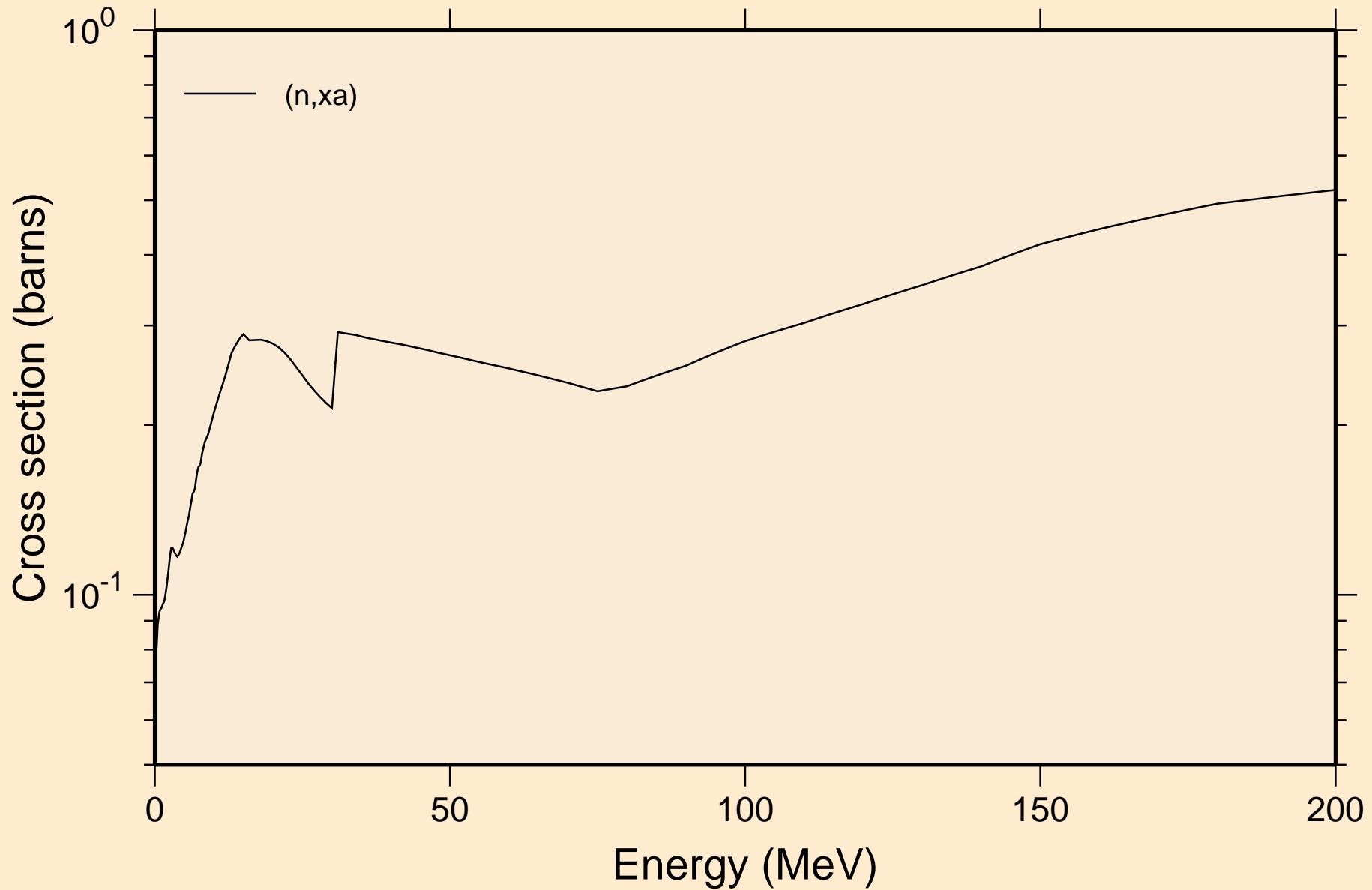


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

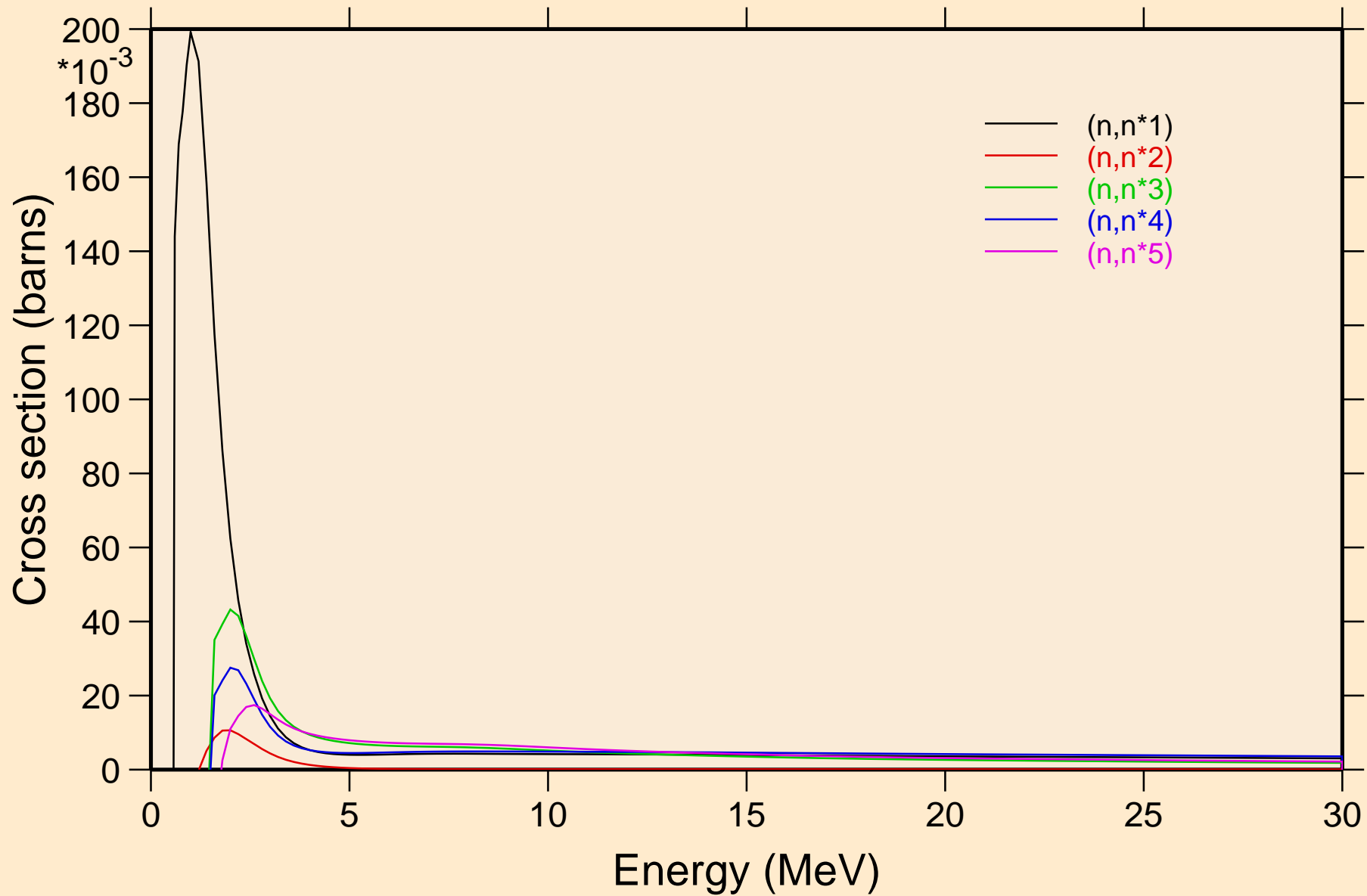


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



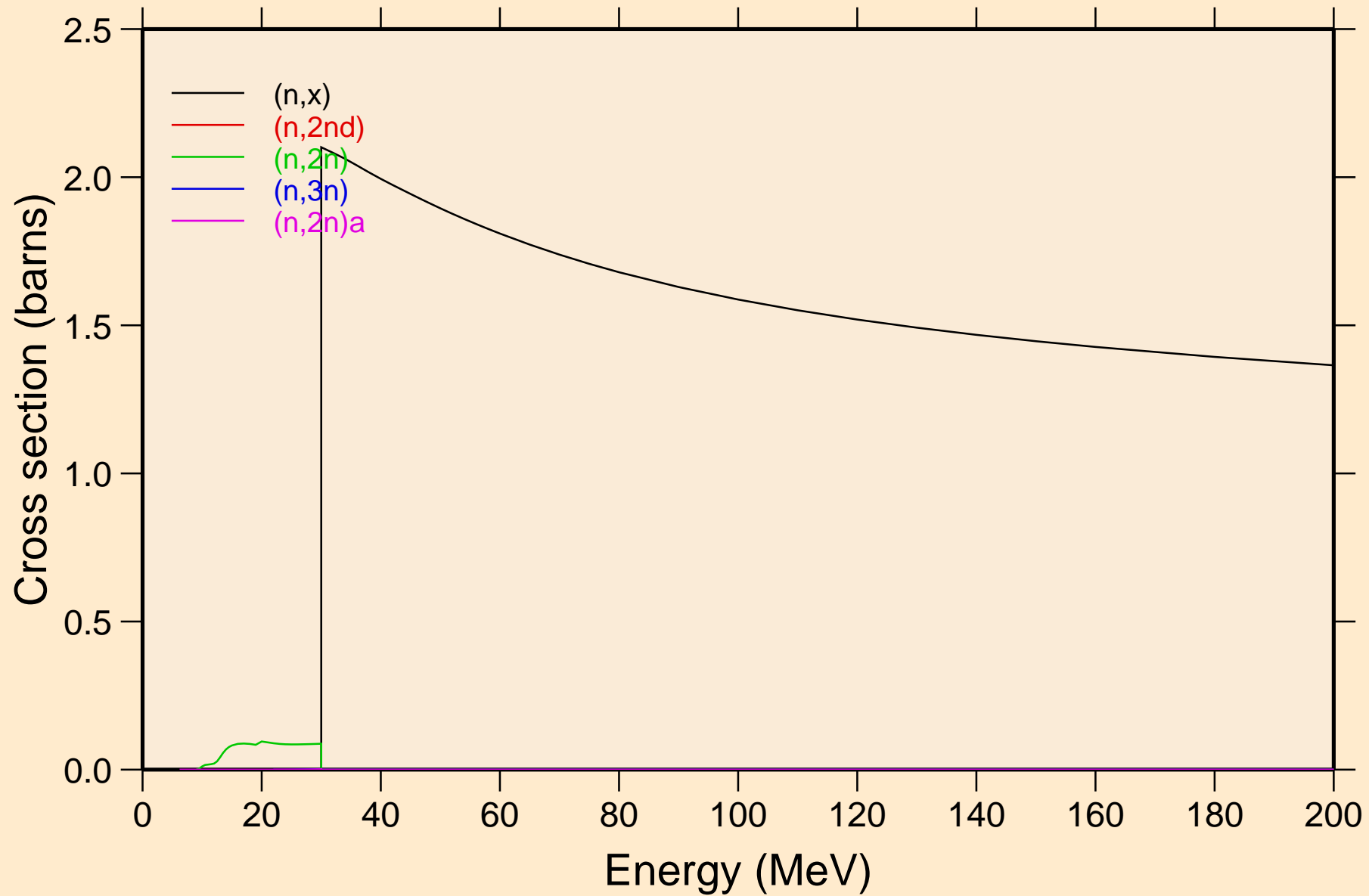
# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

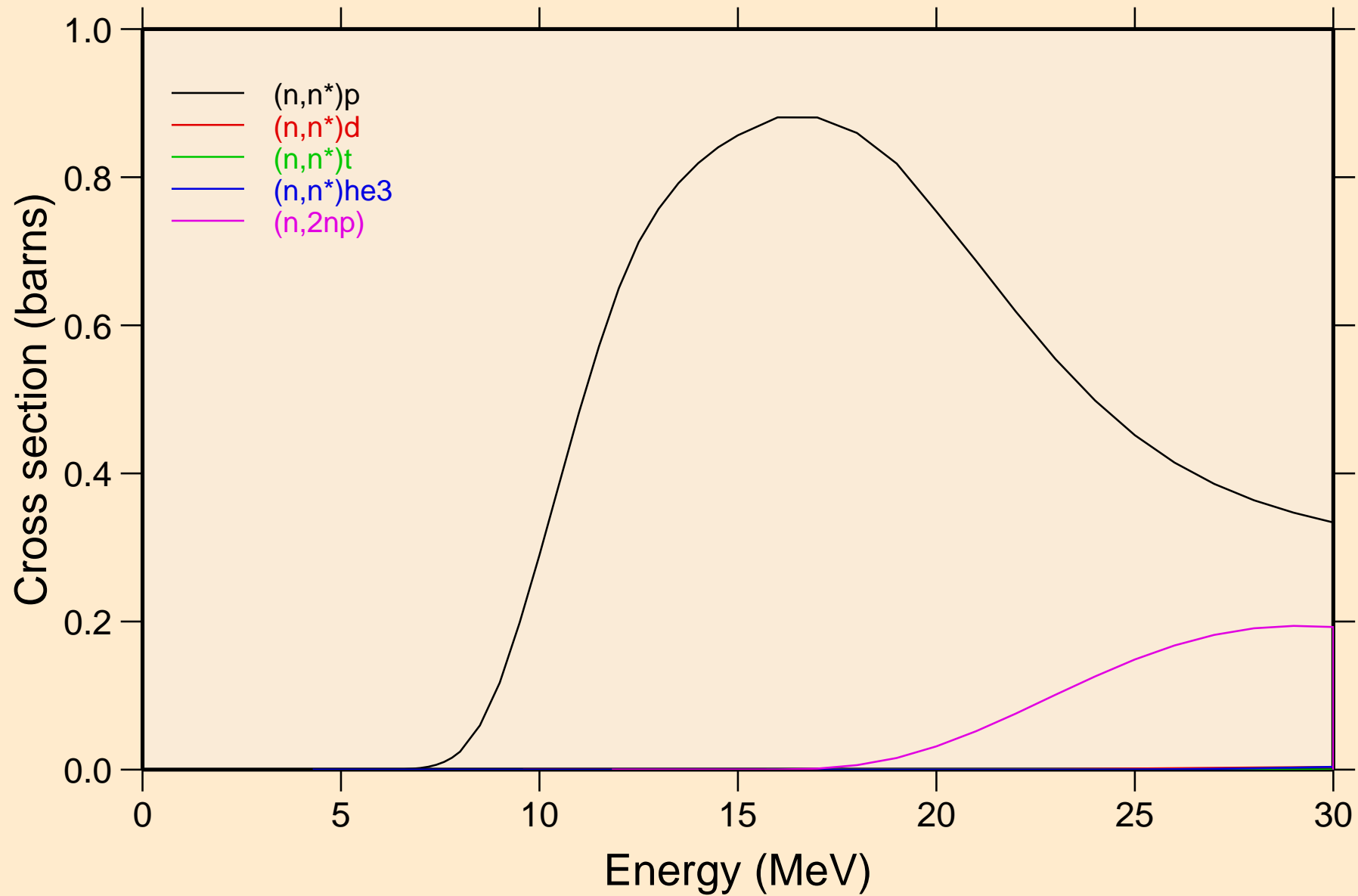


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

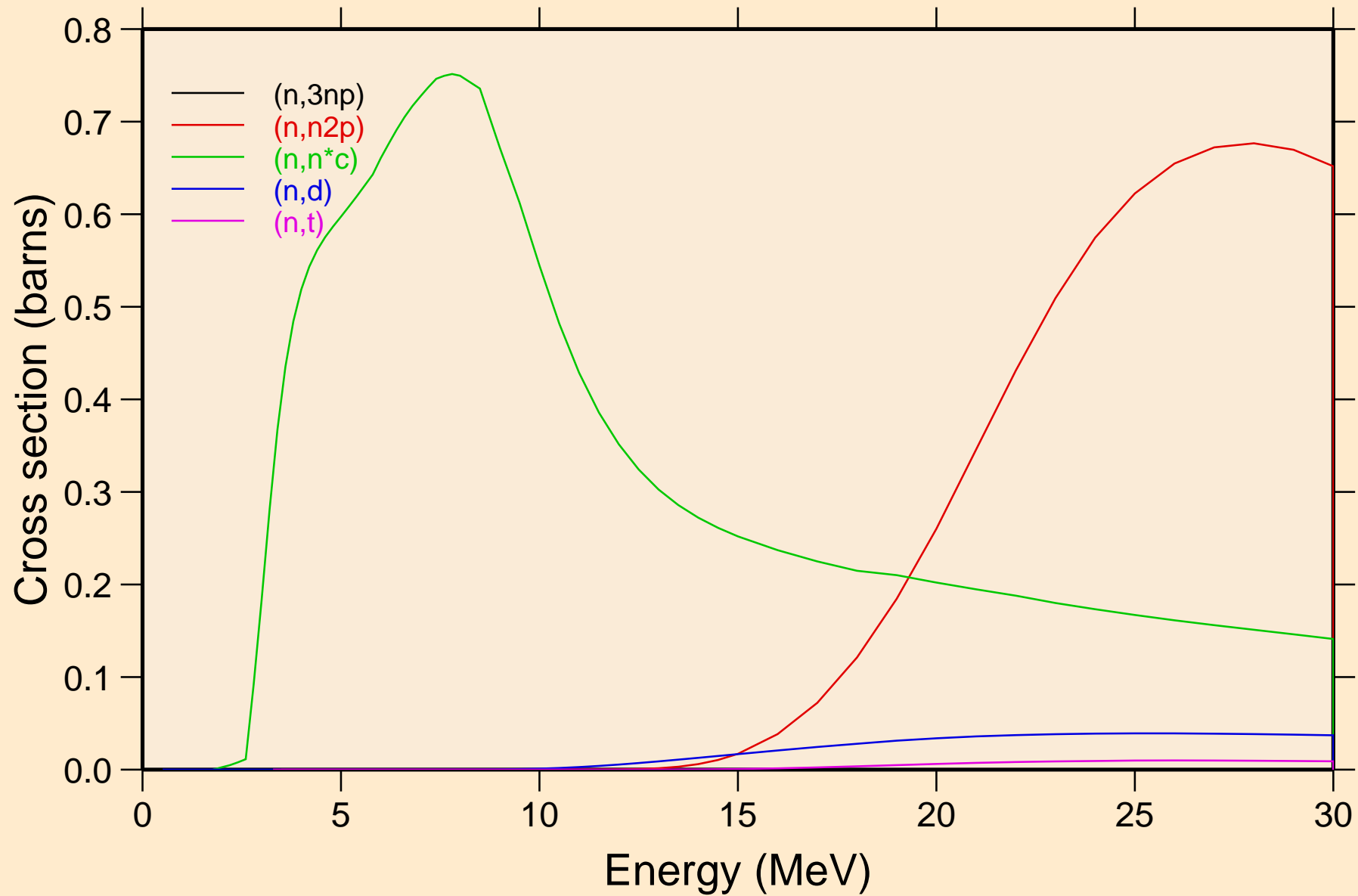


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

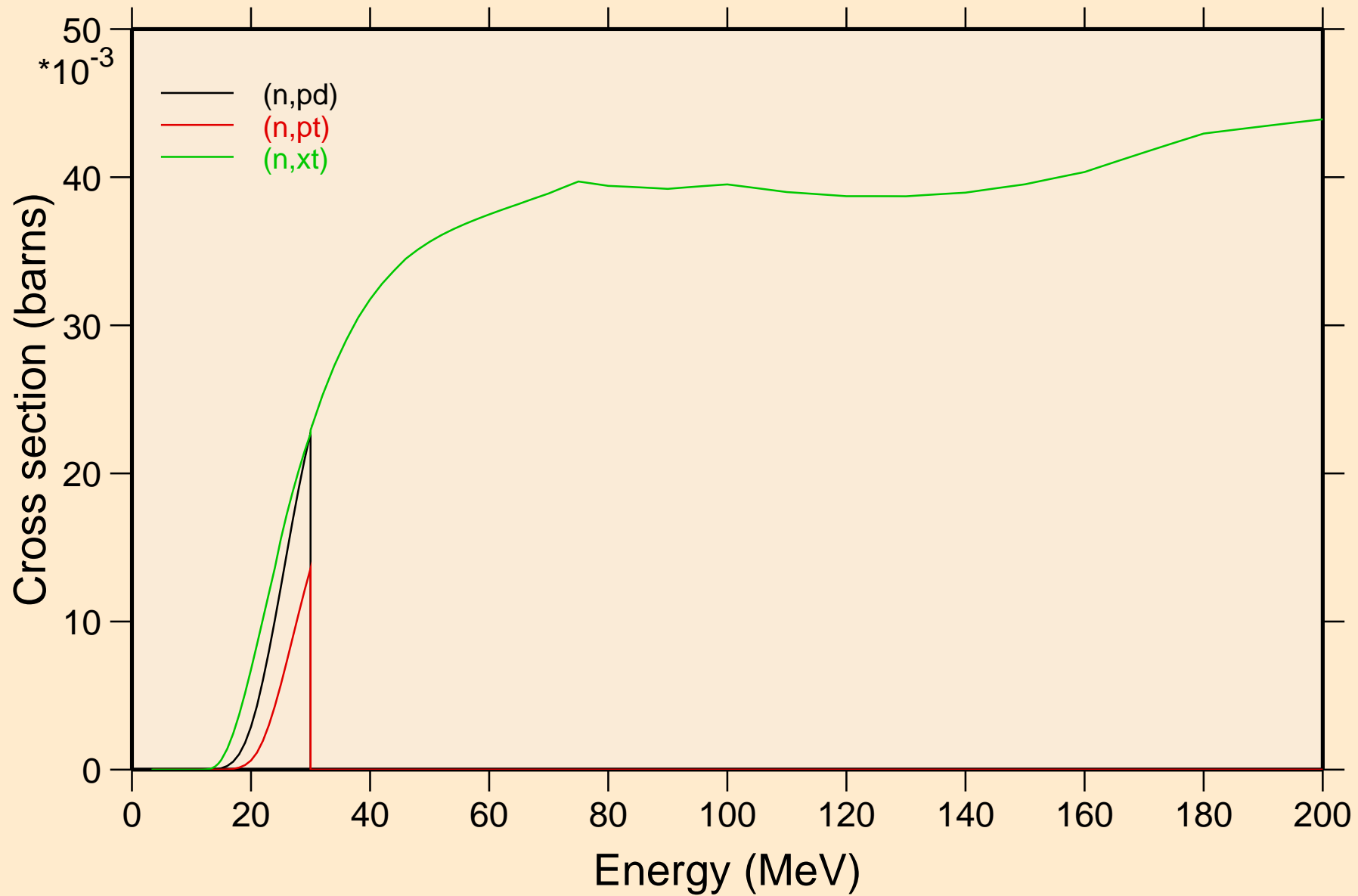


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

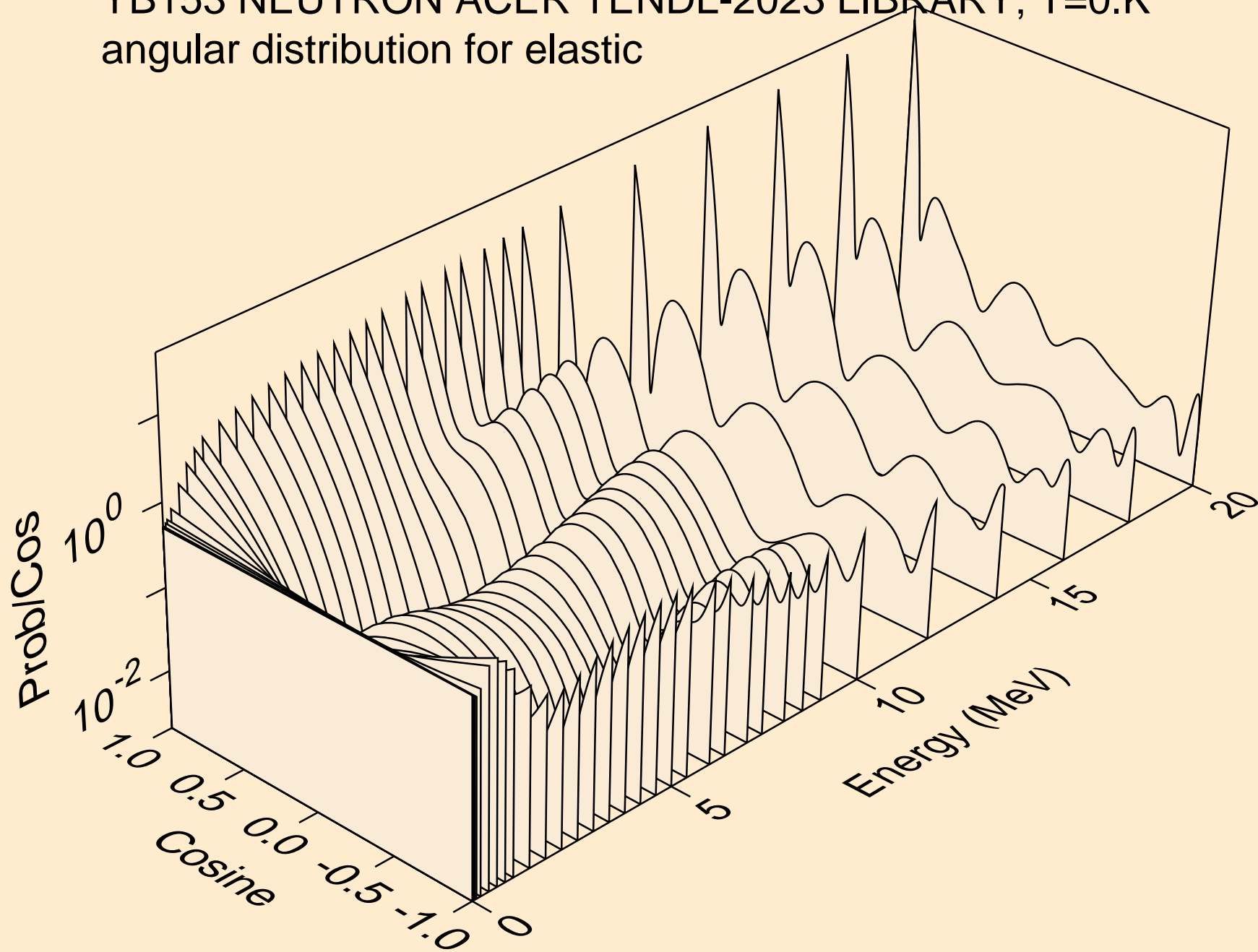
## Threshold reactions



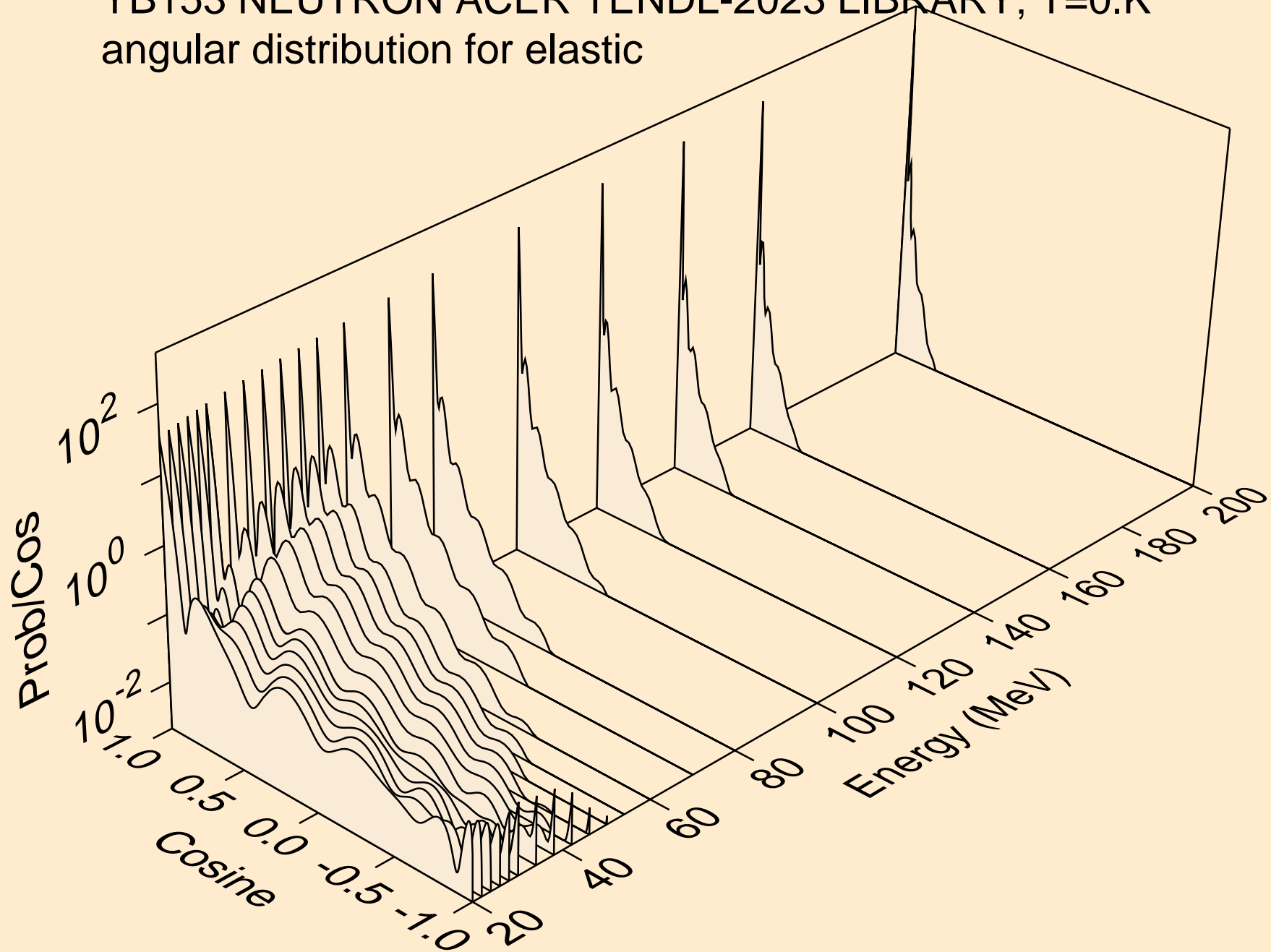
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



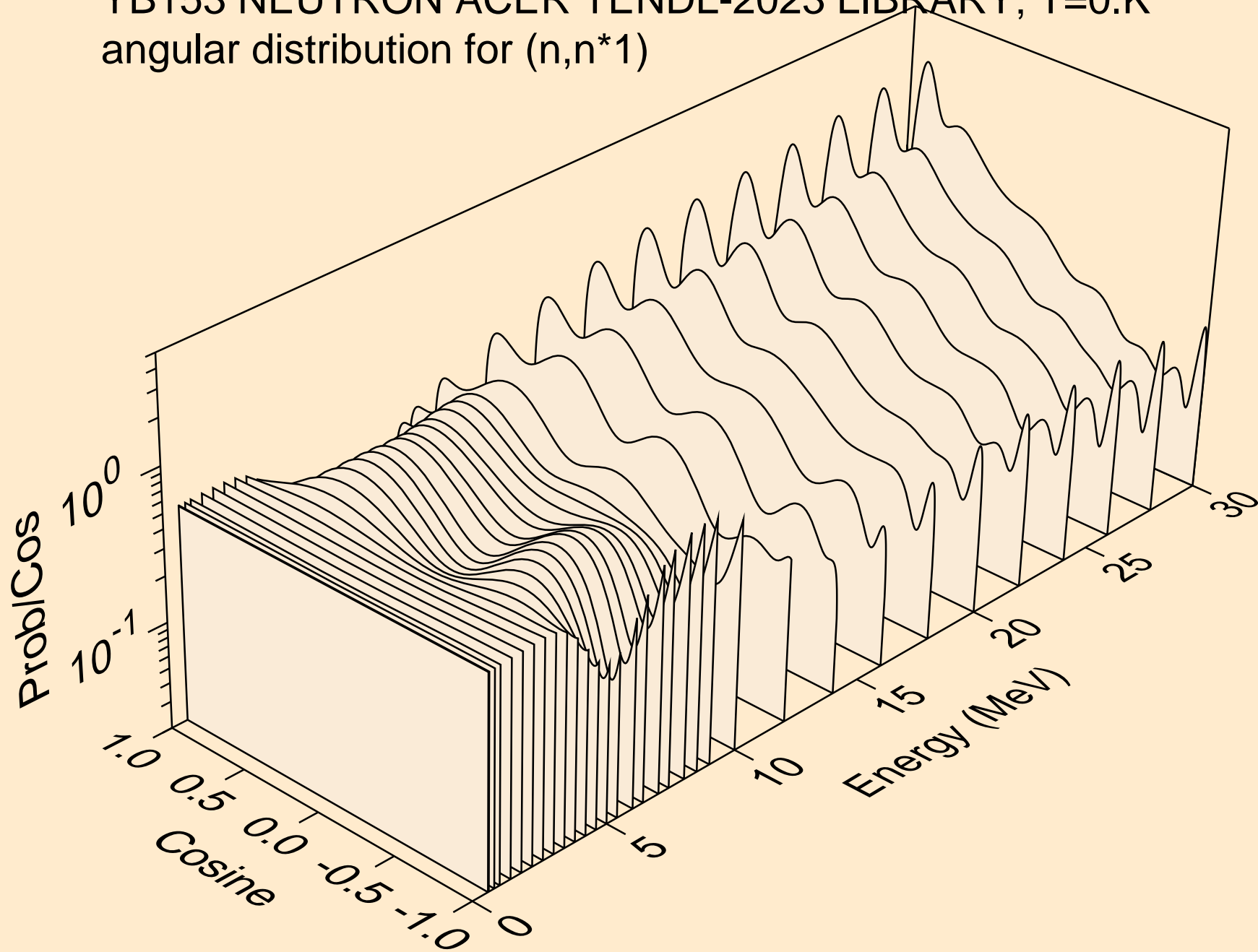
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



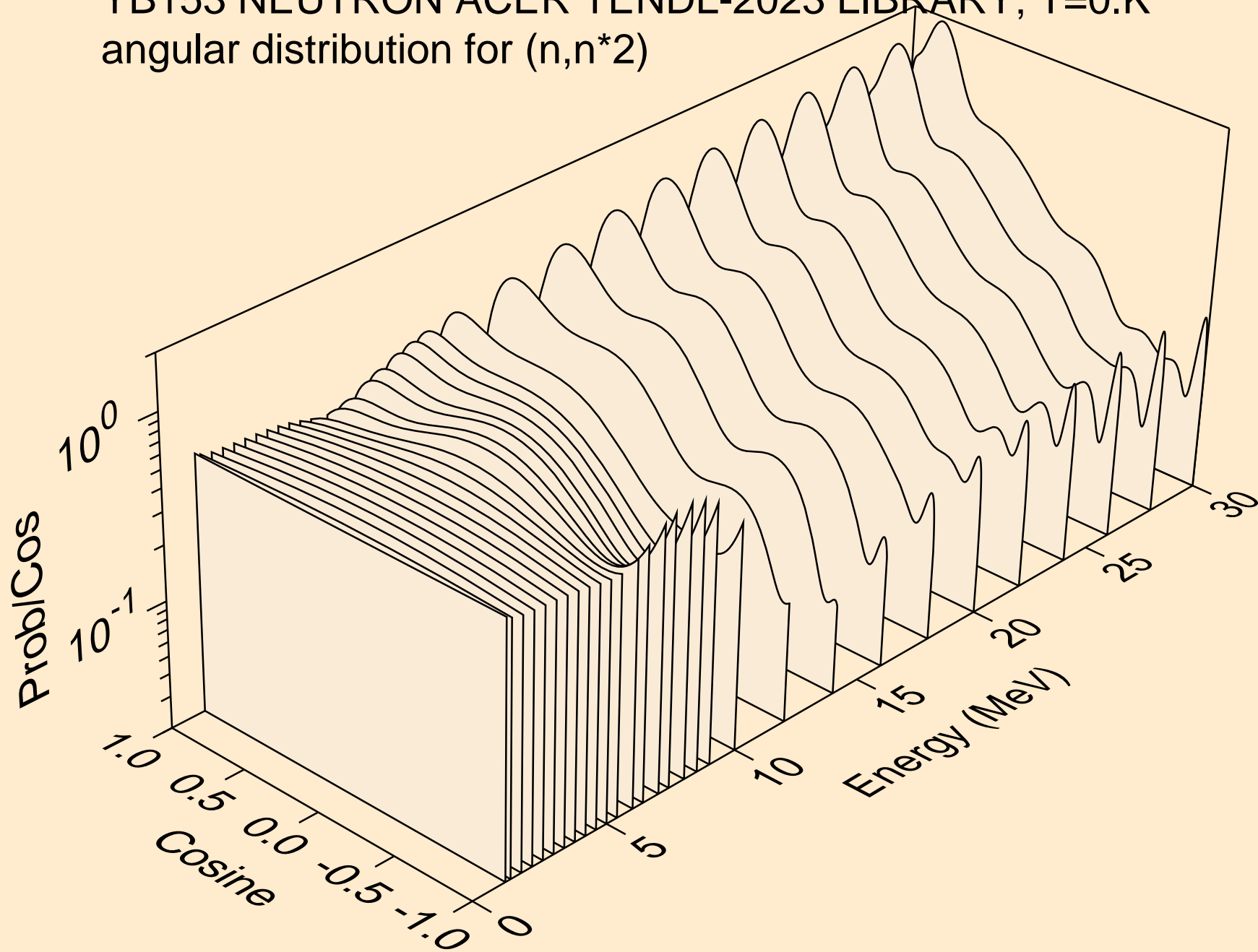
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



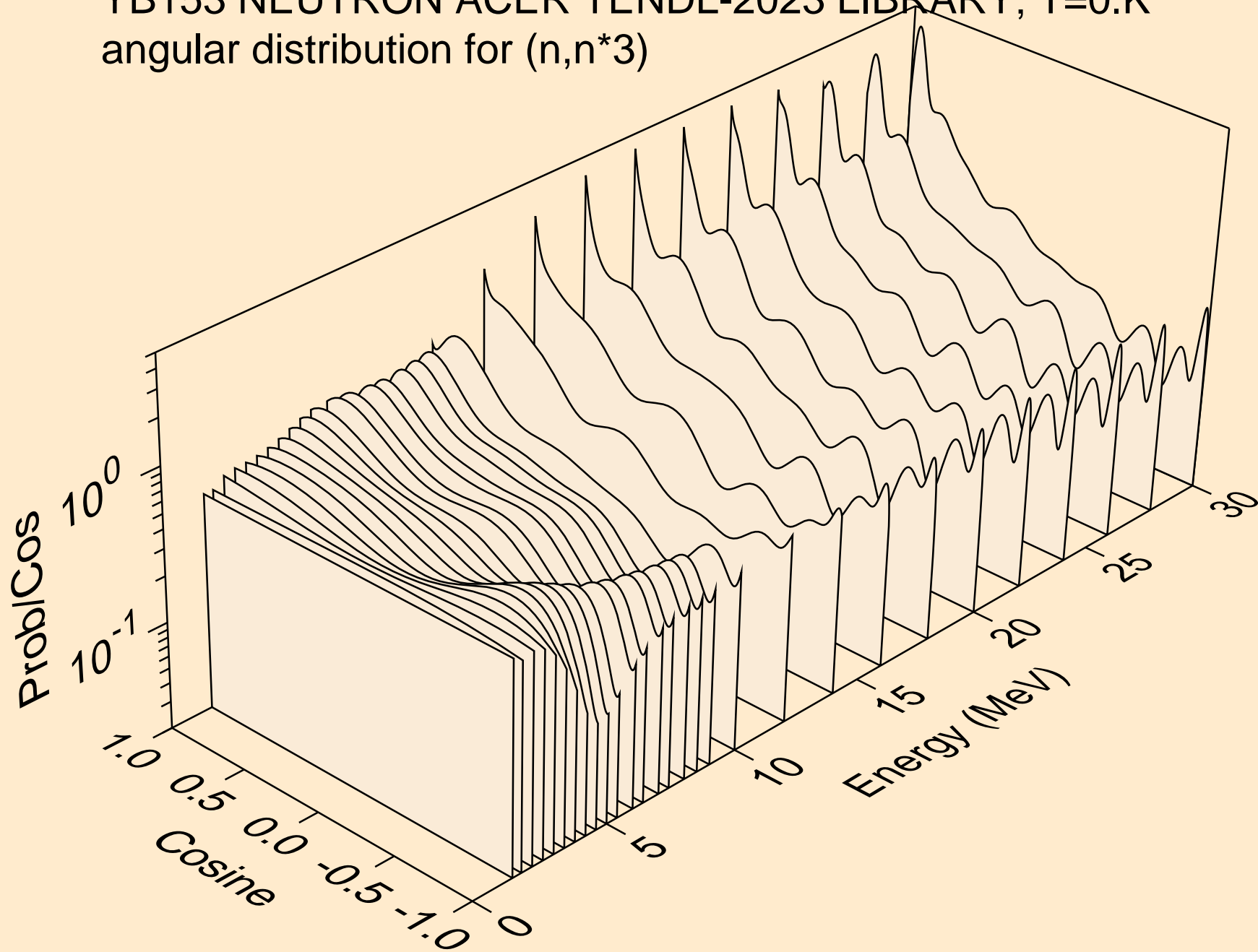
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



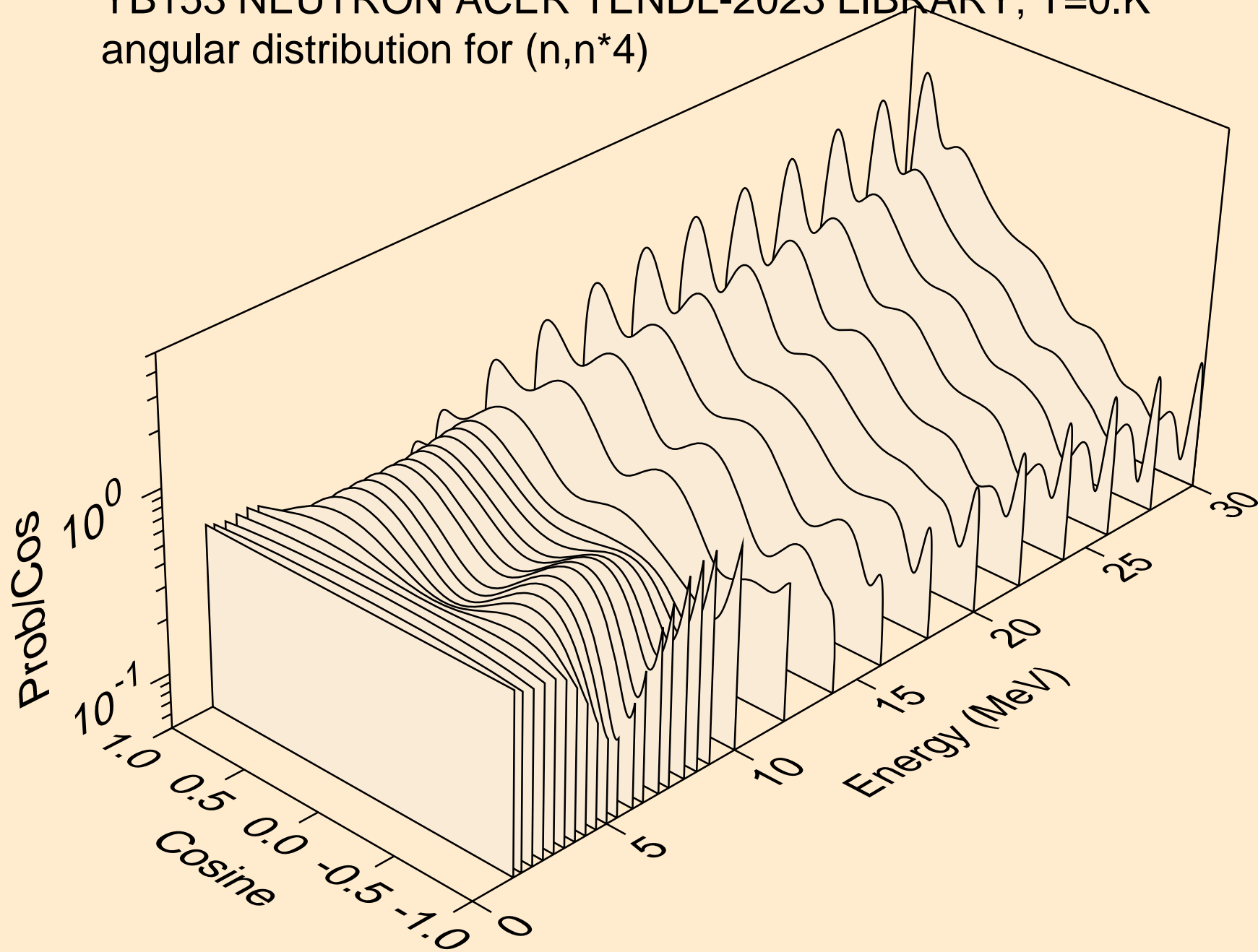
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angular distribution for (n,n\*2)



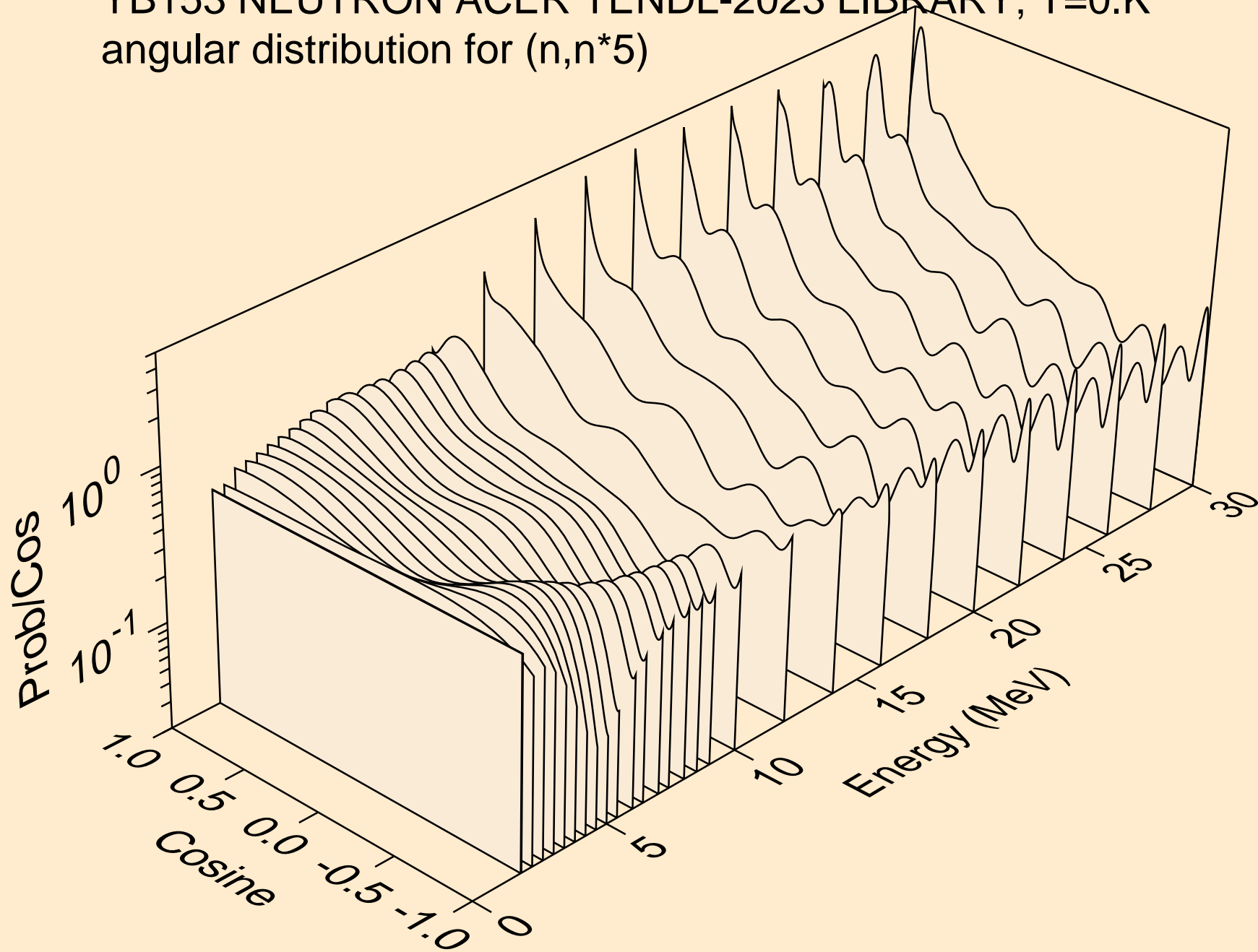
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angular distribution for (n,n\*3)



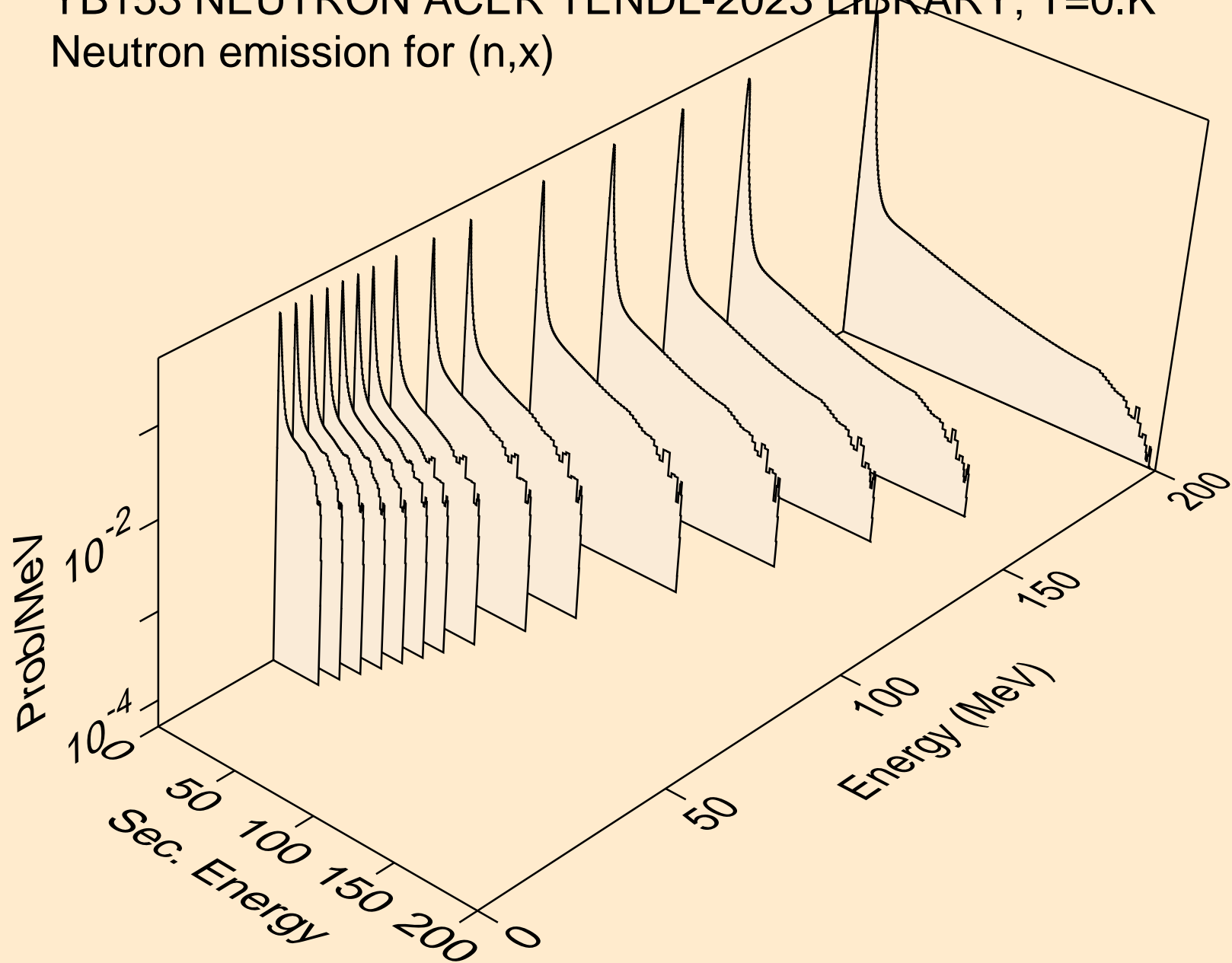
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angular distribution for (n,n\*4)



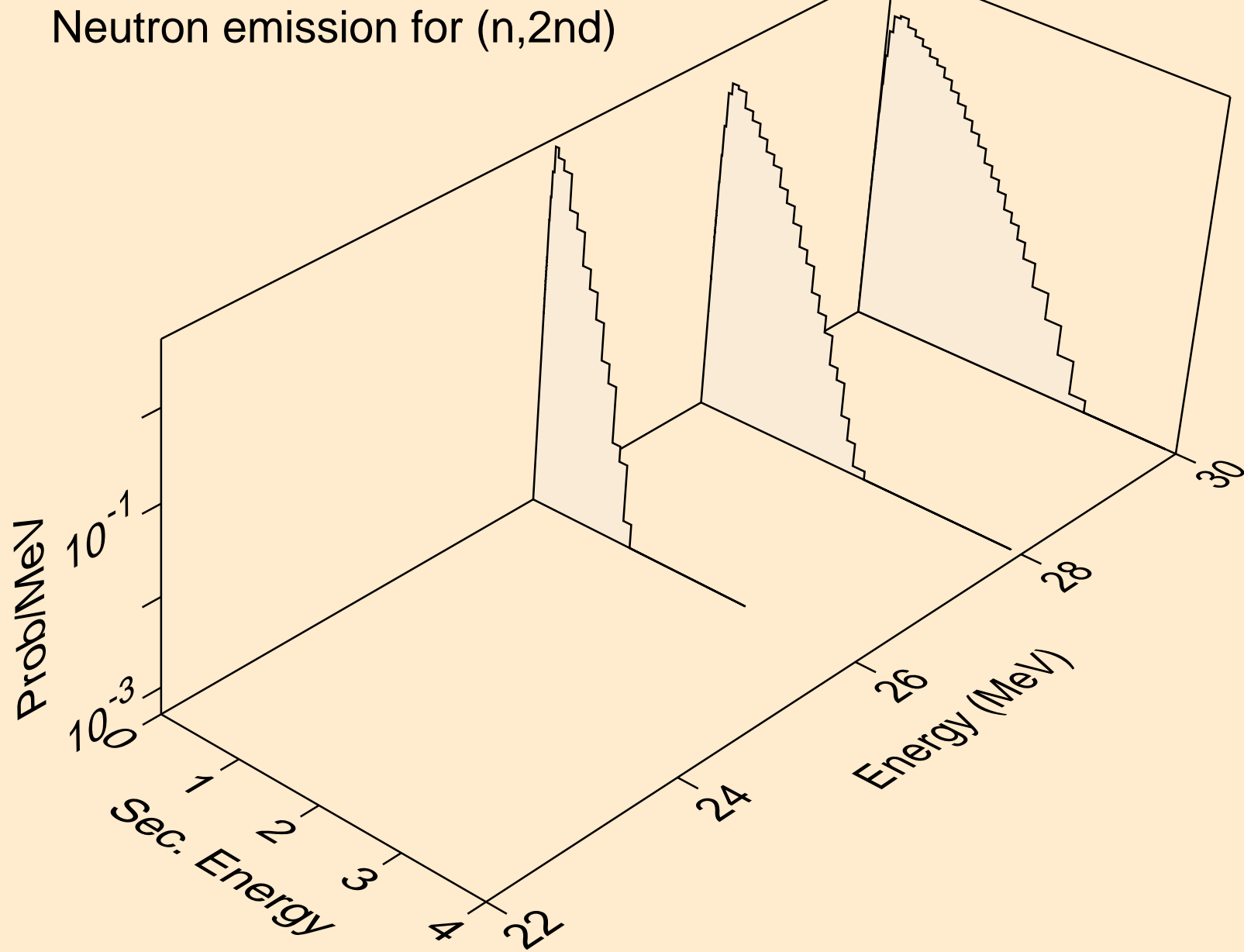
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angular distribution for (n,n\*5)



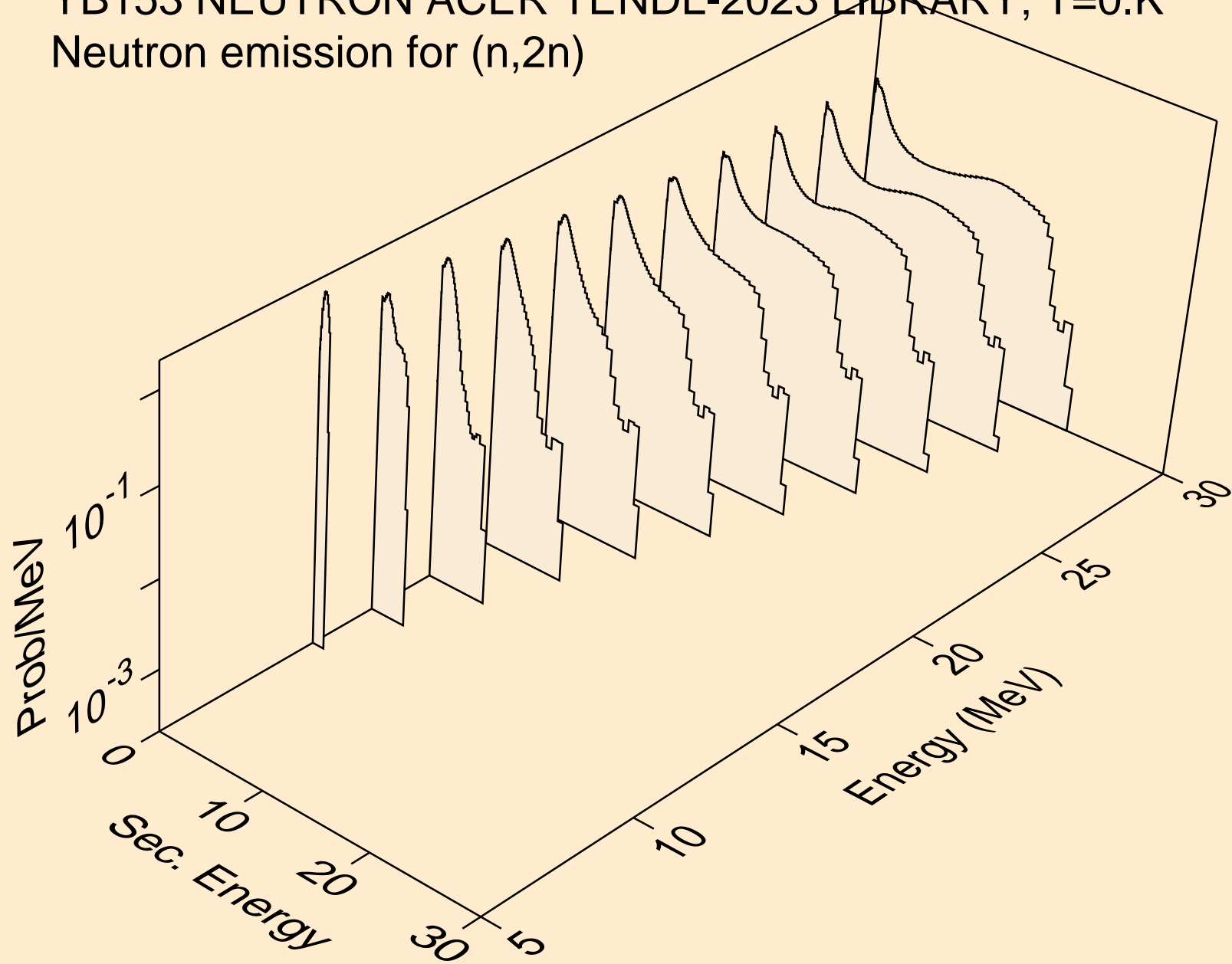
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



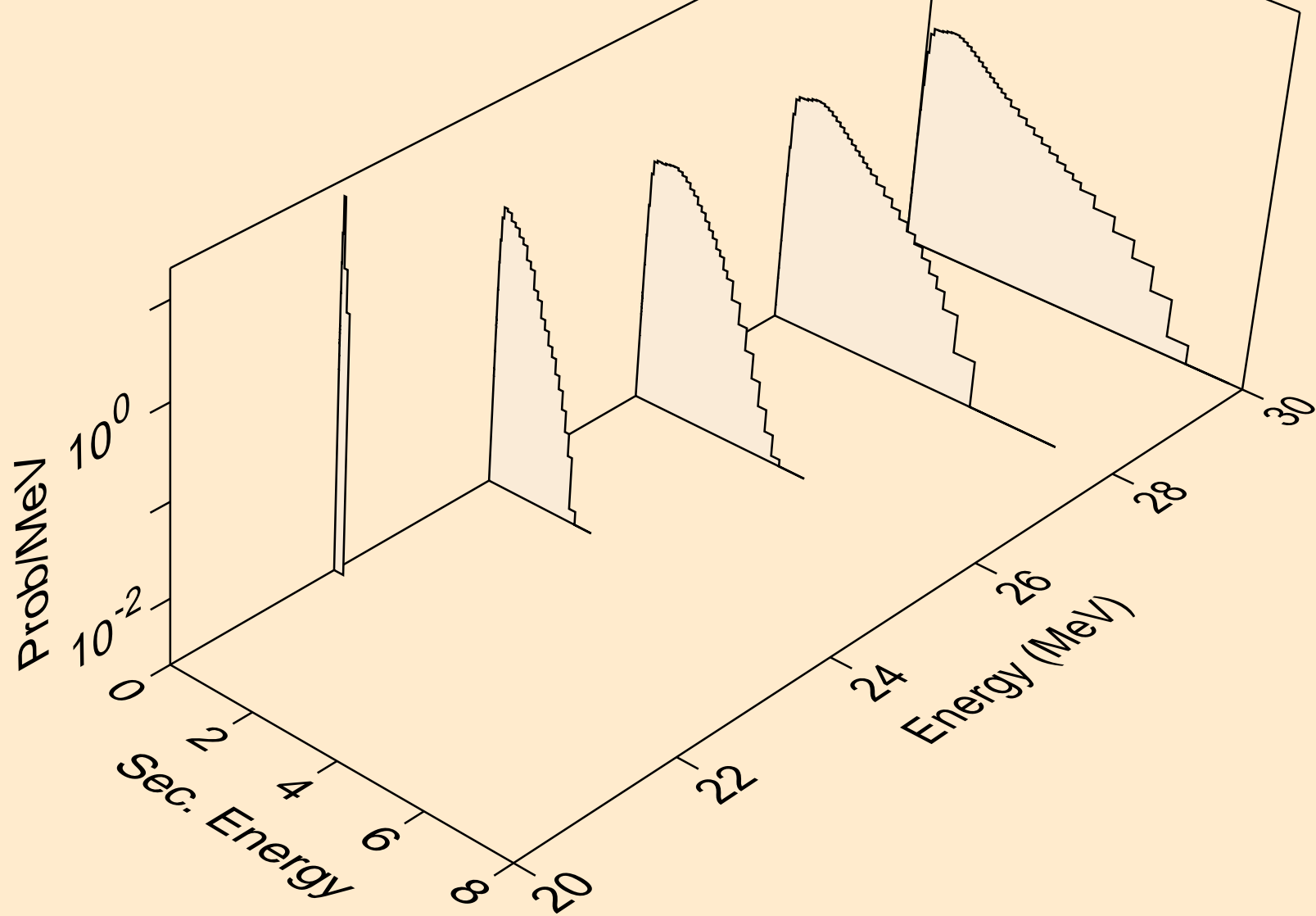
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



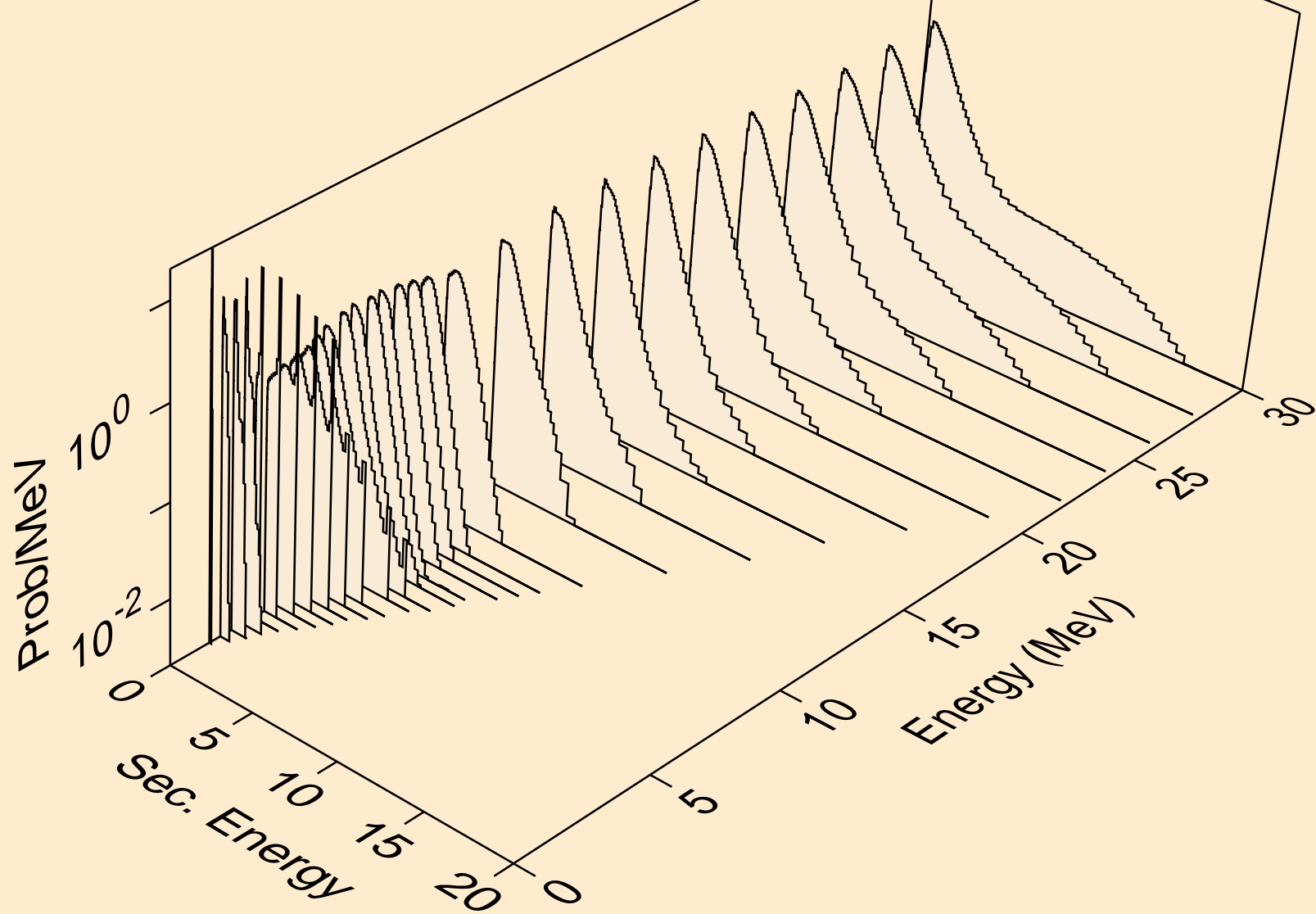
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



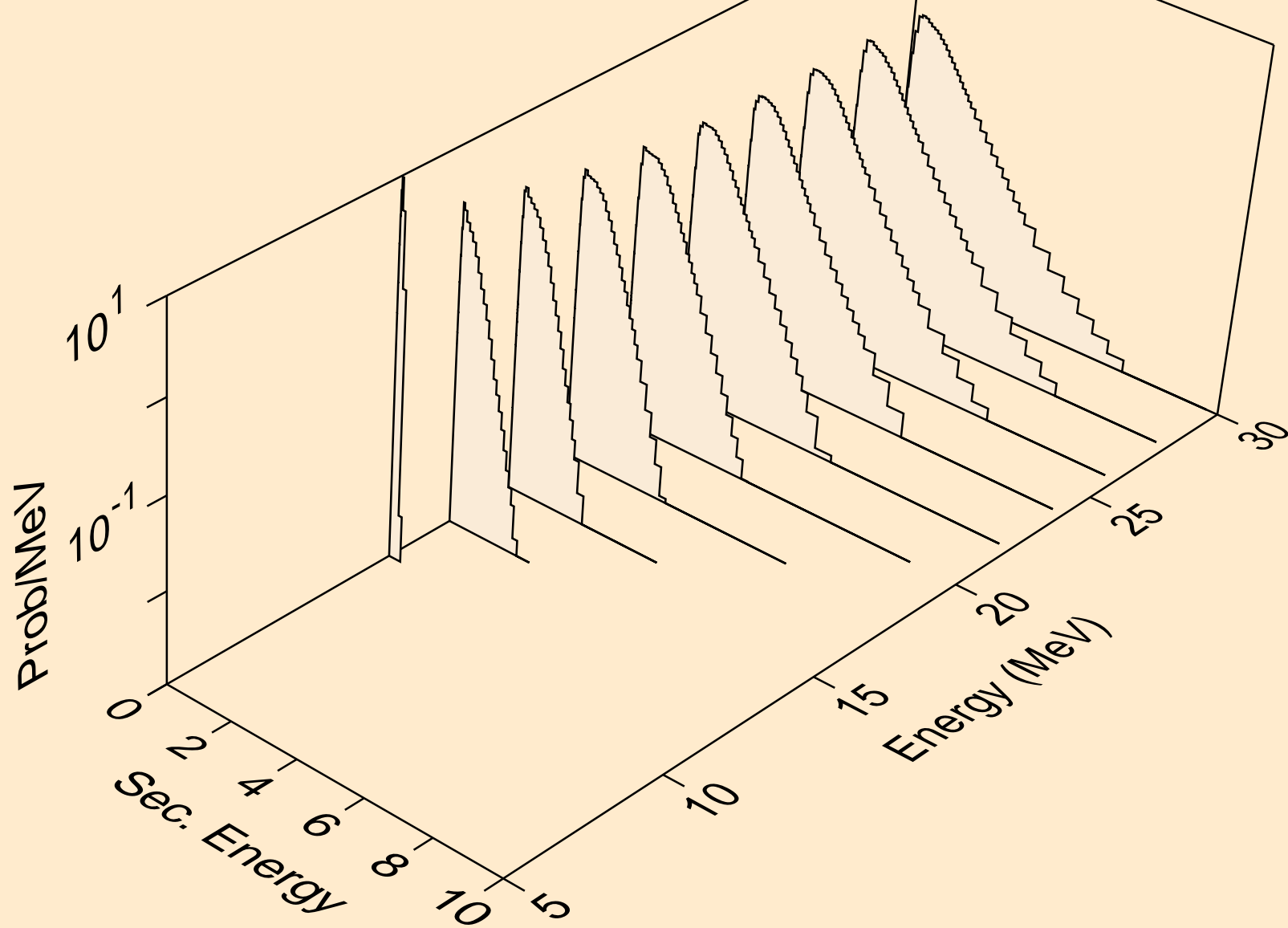
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



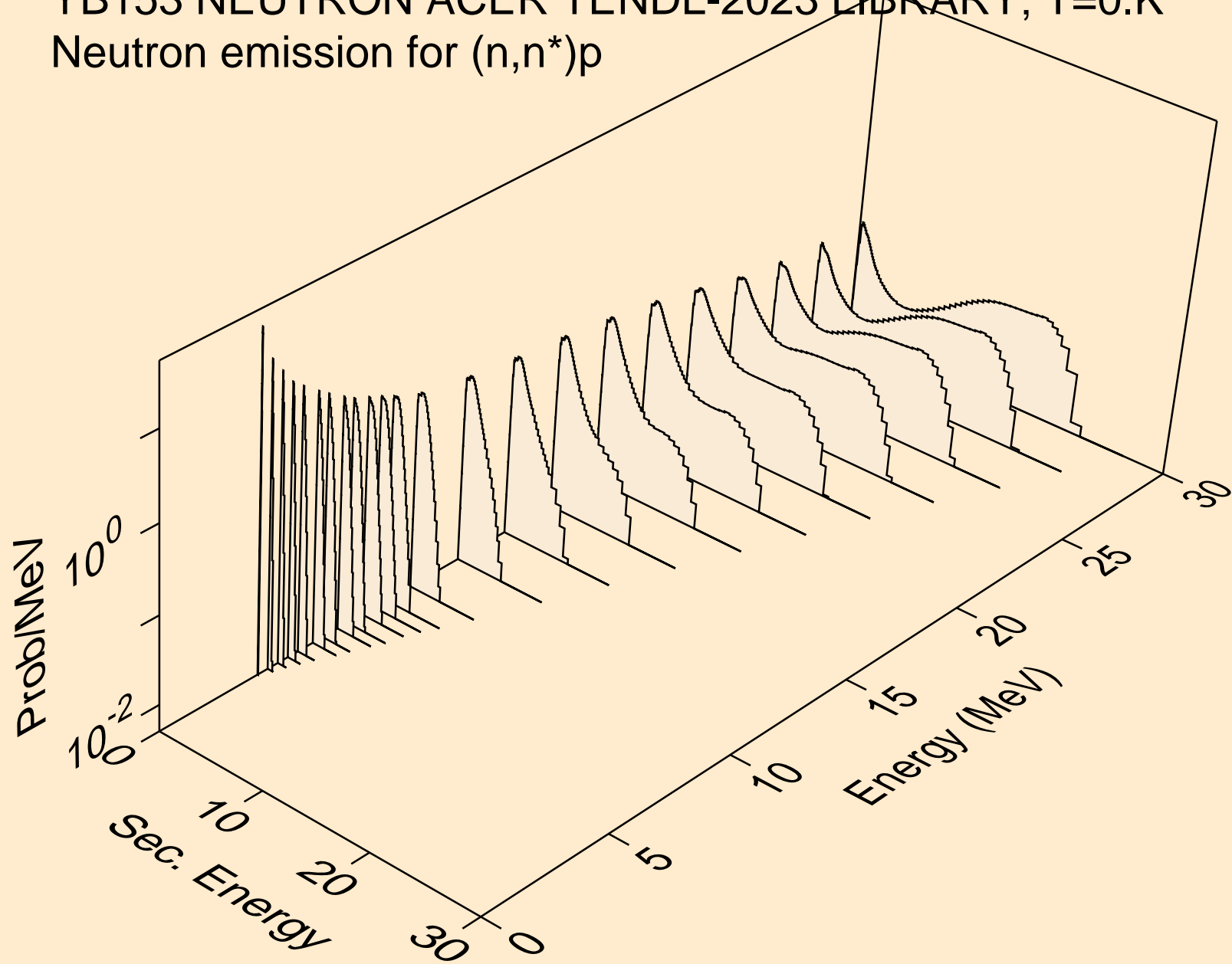
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



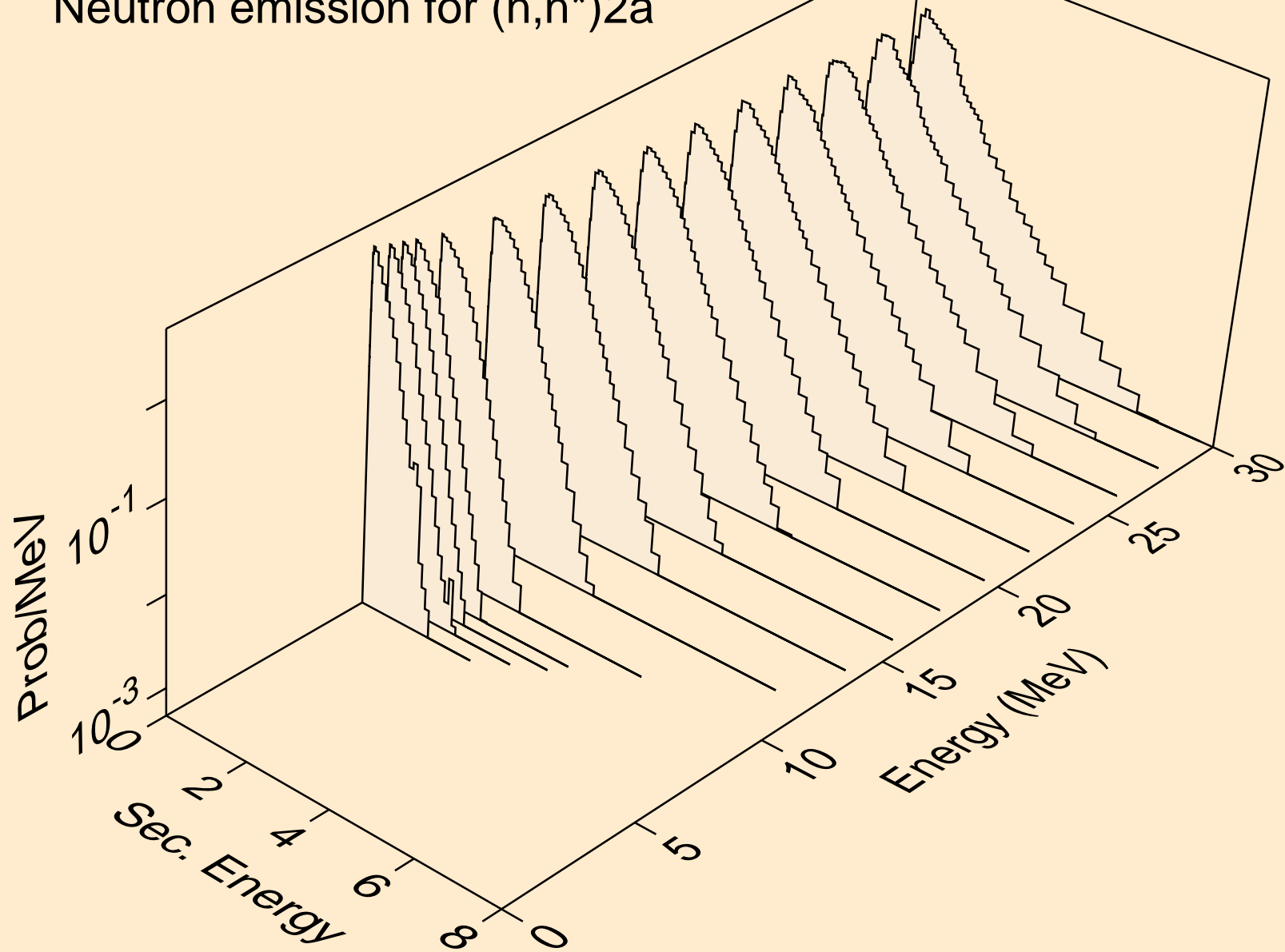
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



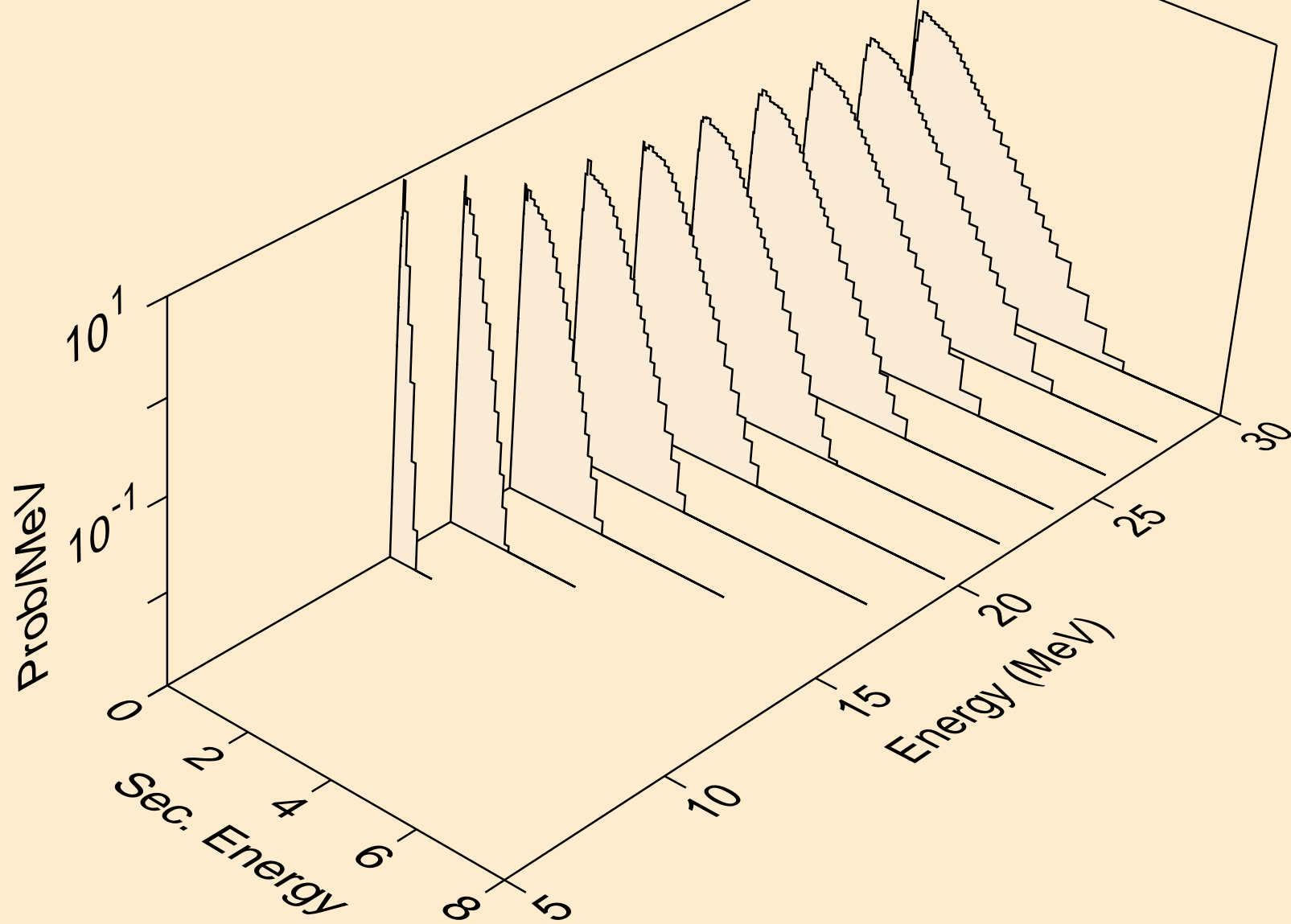
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



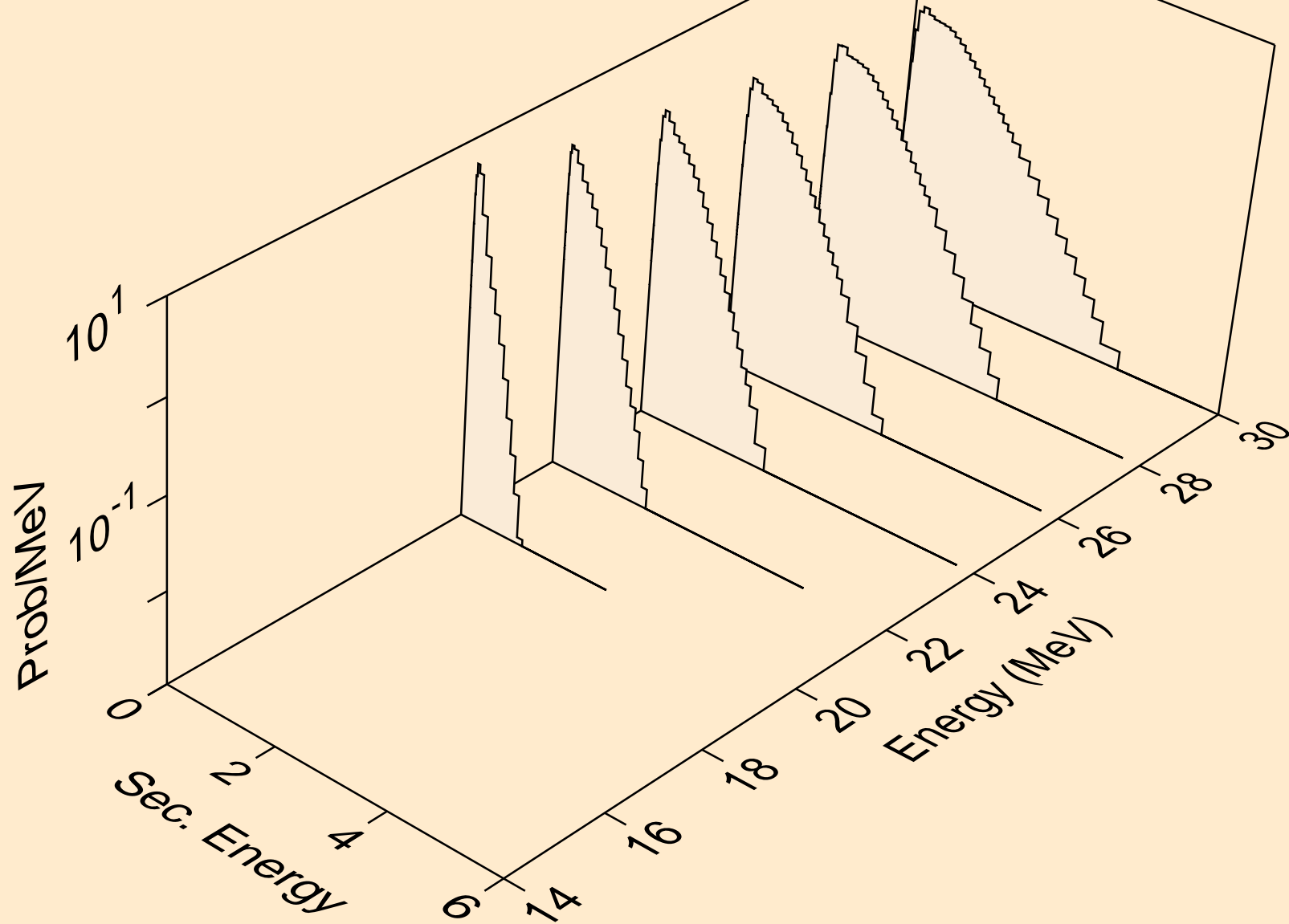
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Neutron emission for (n,n\*)2a



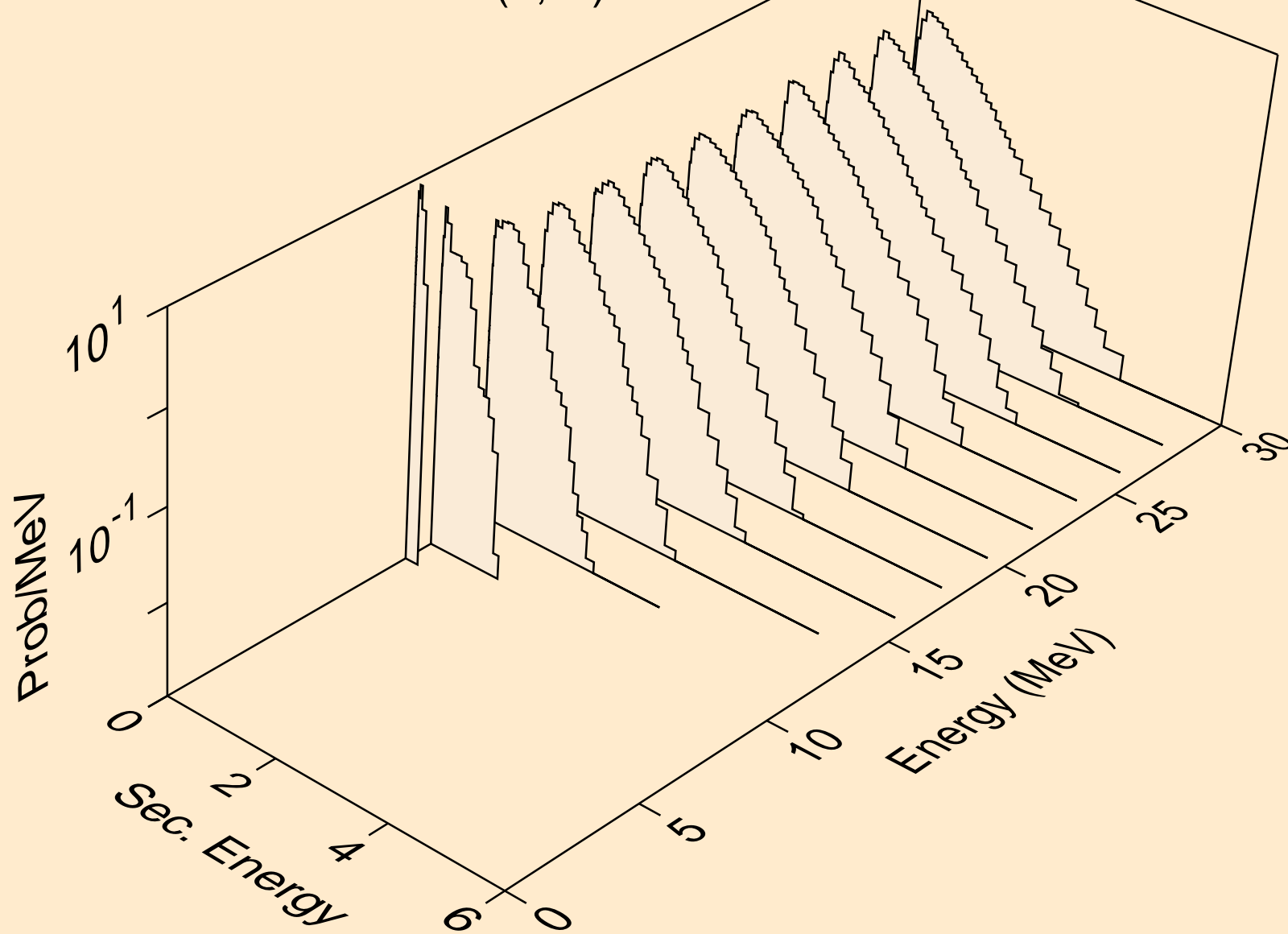
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



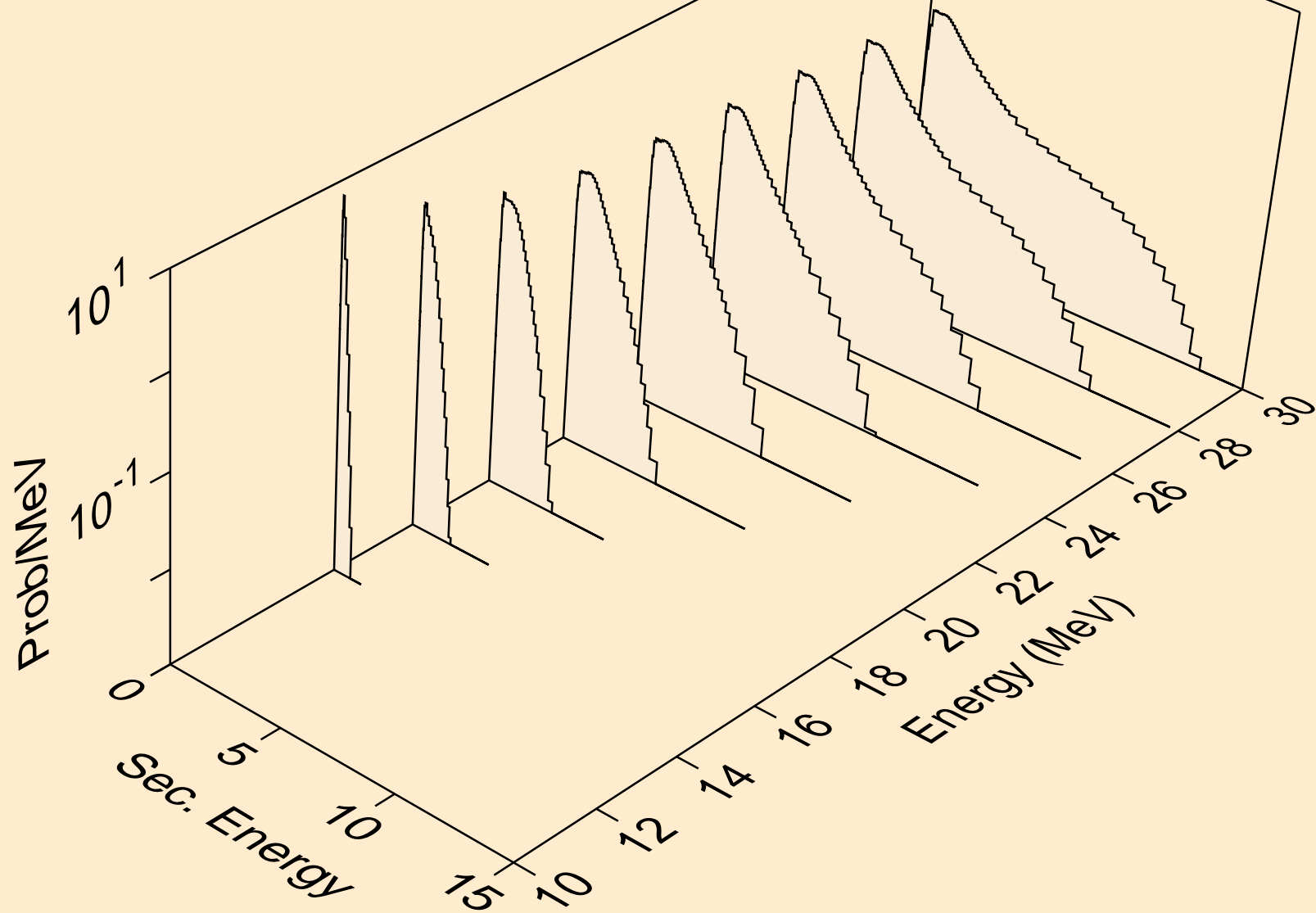
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



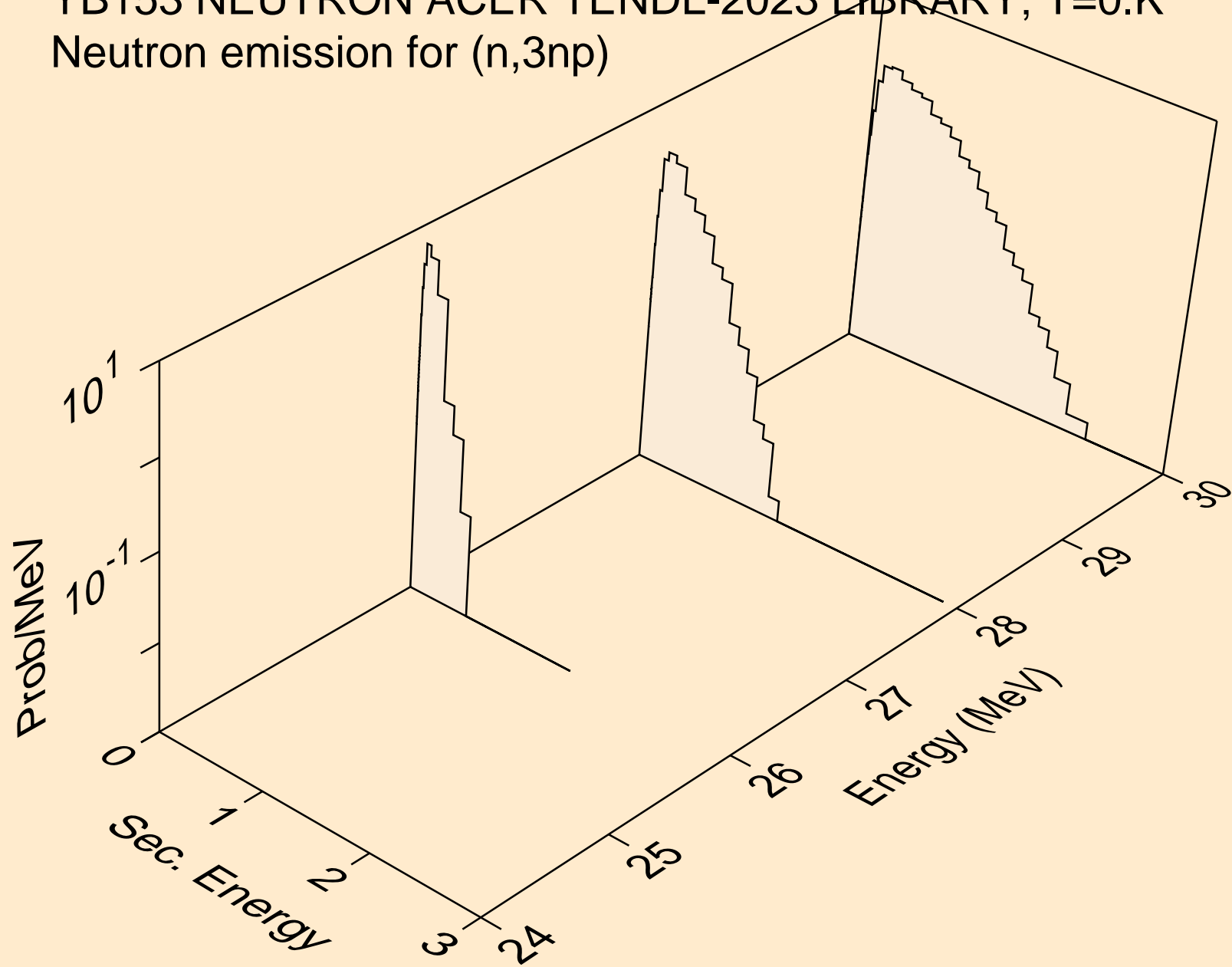
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



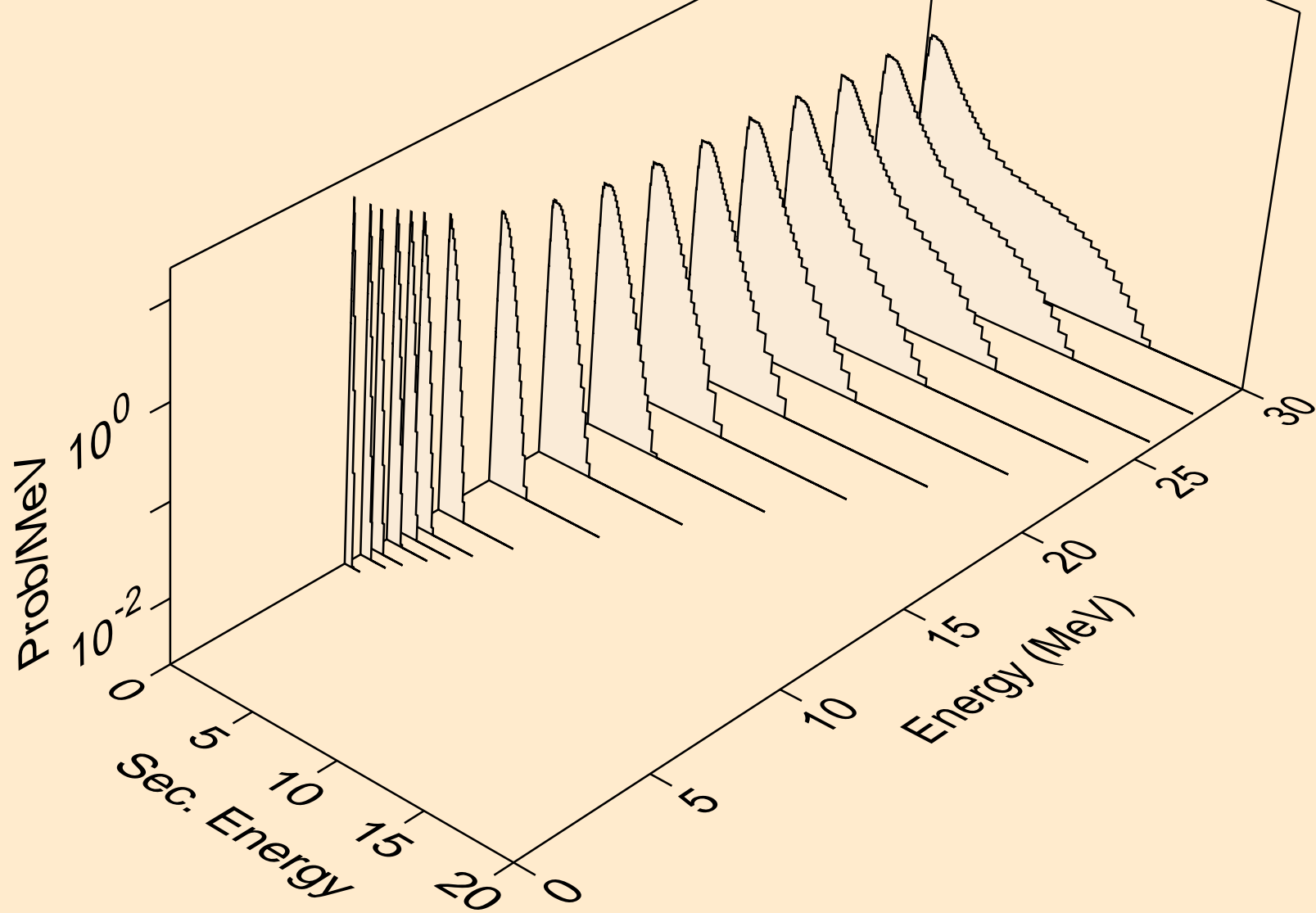
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



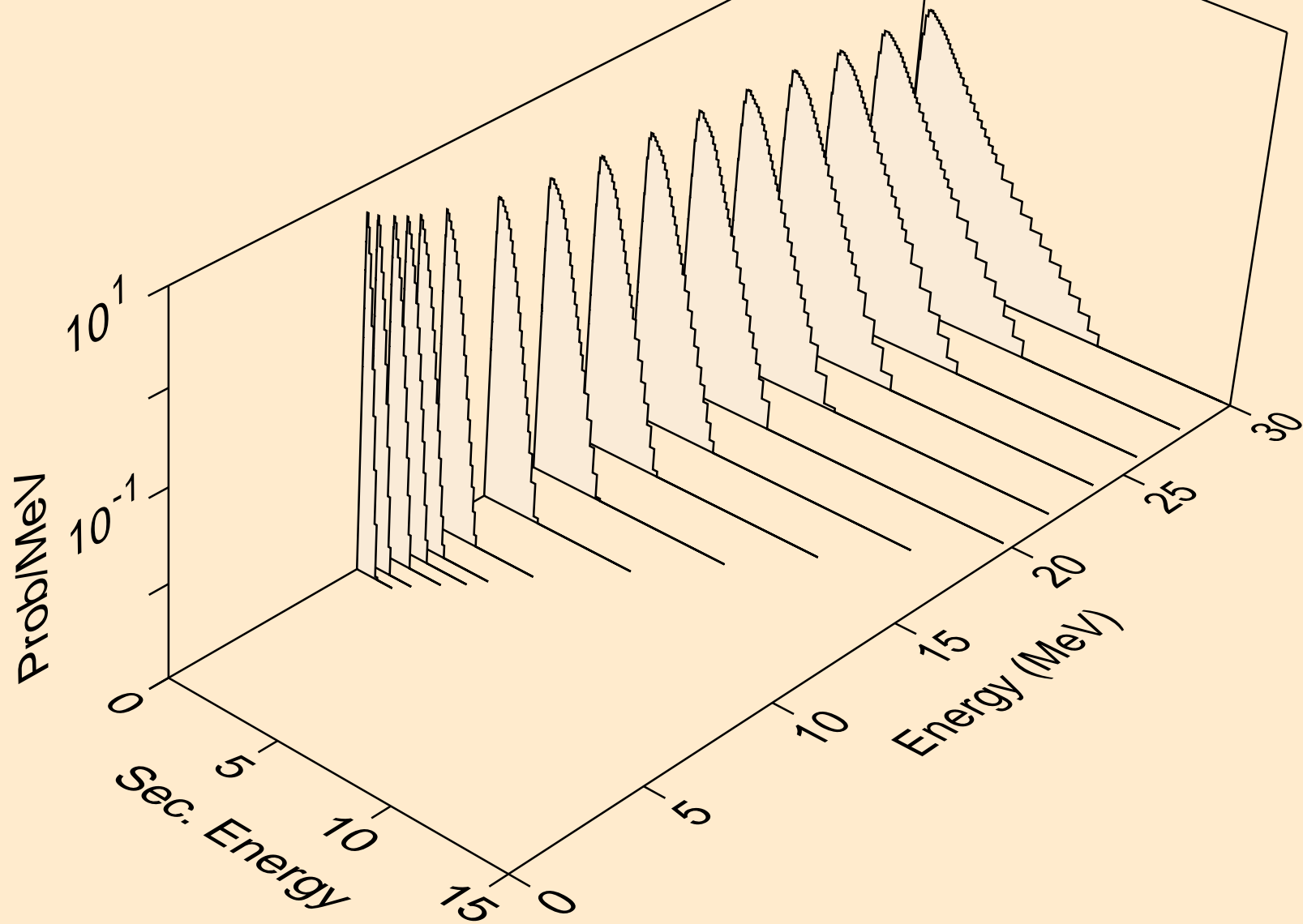
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Neutron emission for (n,3np)



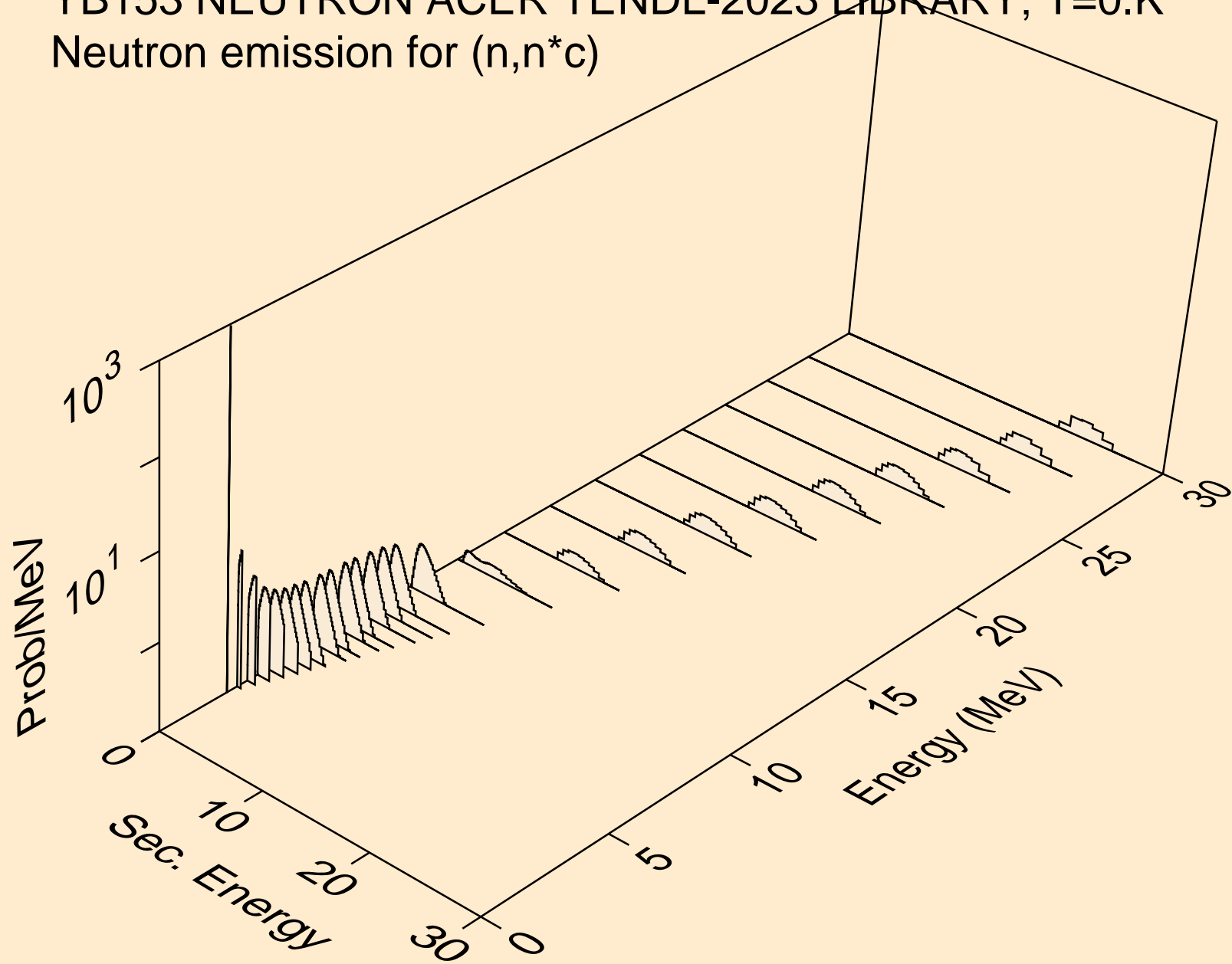
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Neutron emission for (n,n2p)



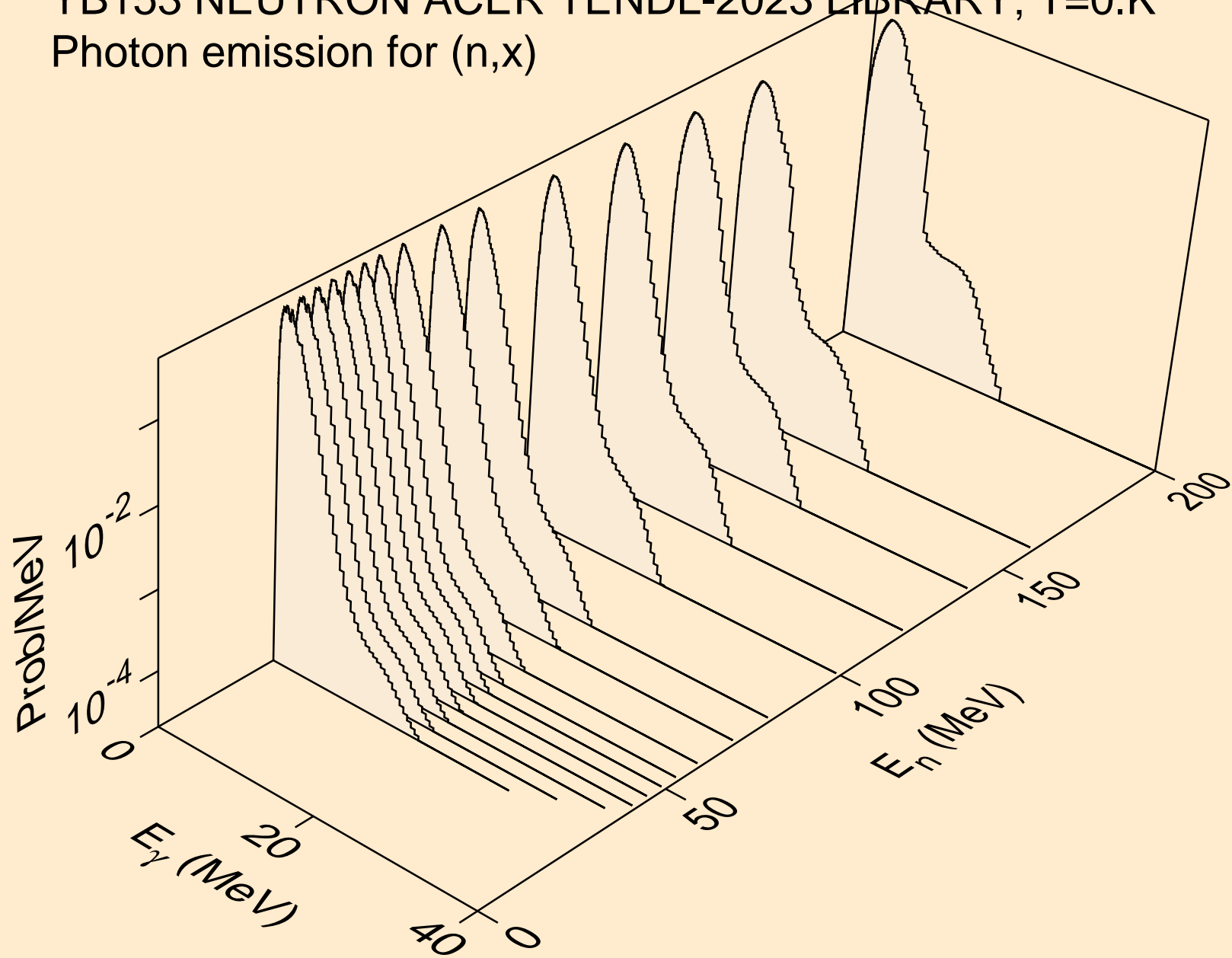
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Neutron emission for (n,npa)



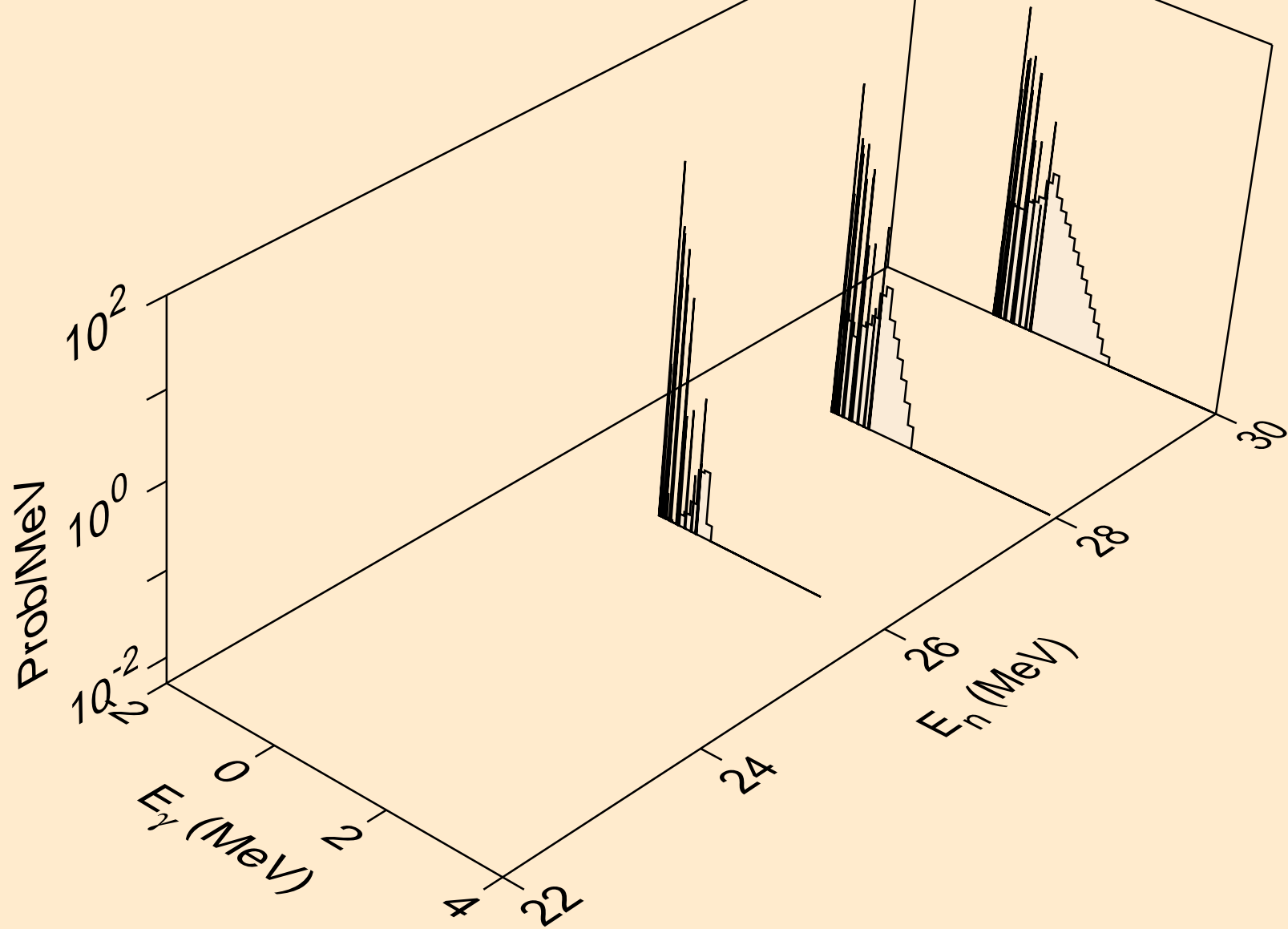
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Neutron emission for (n,n\*c)



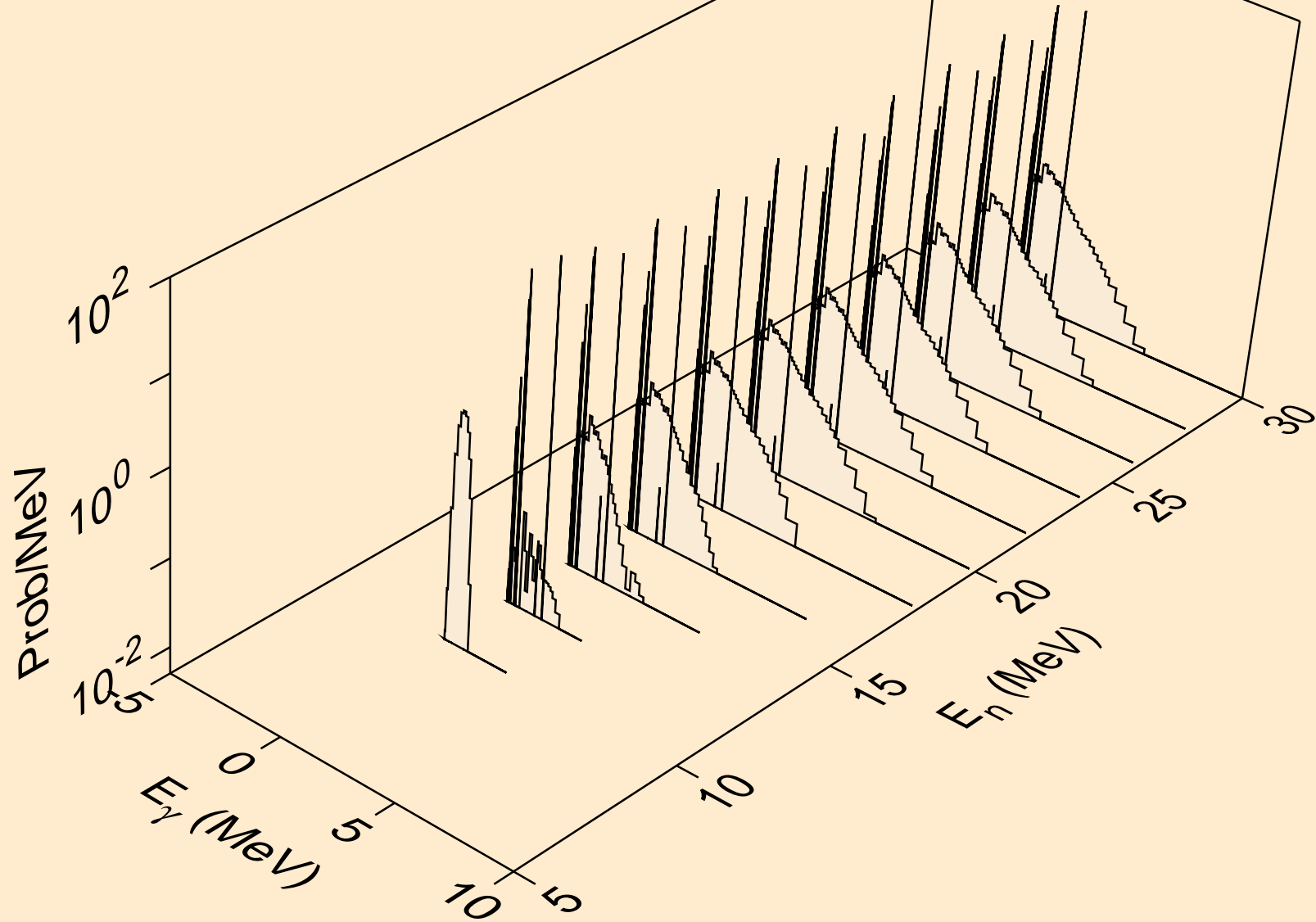
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



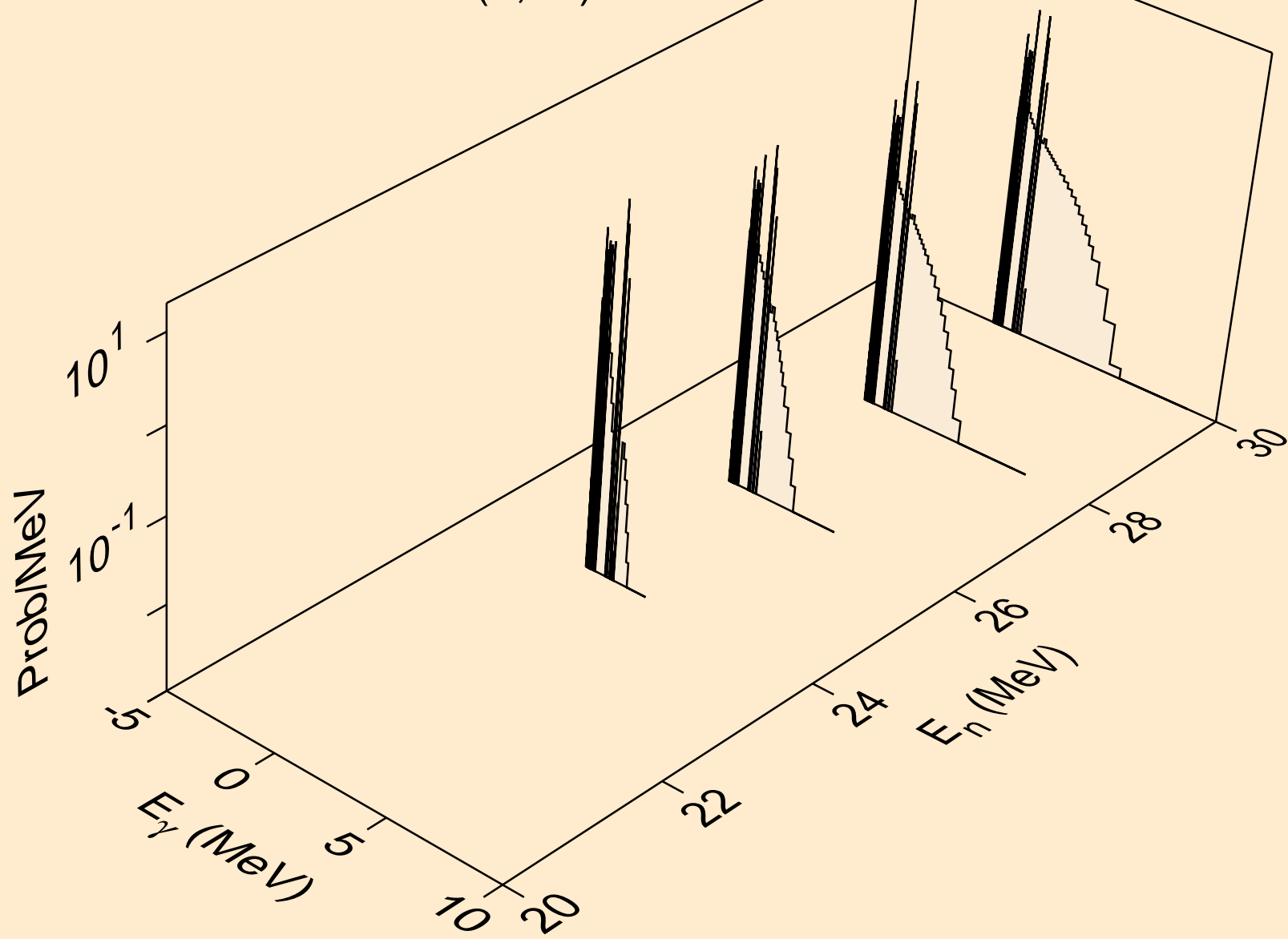
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Photon emission for (n,2nd)



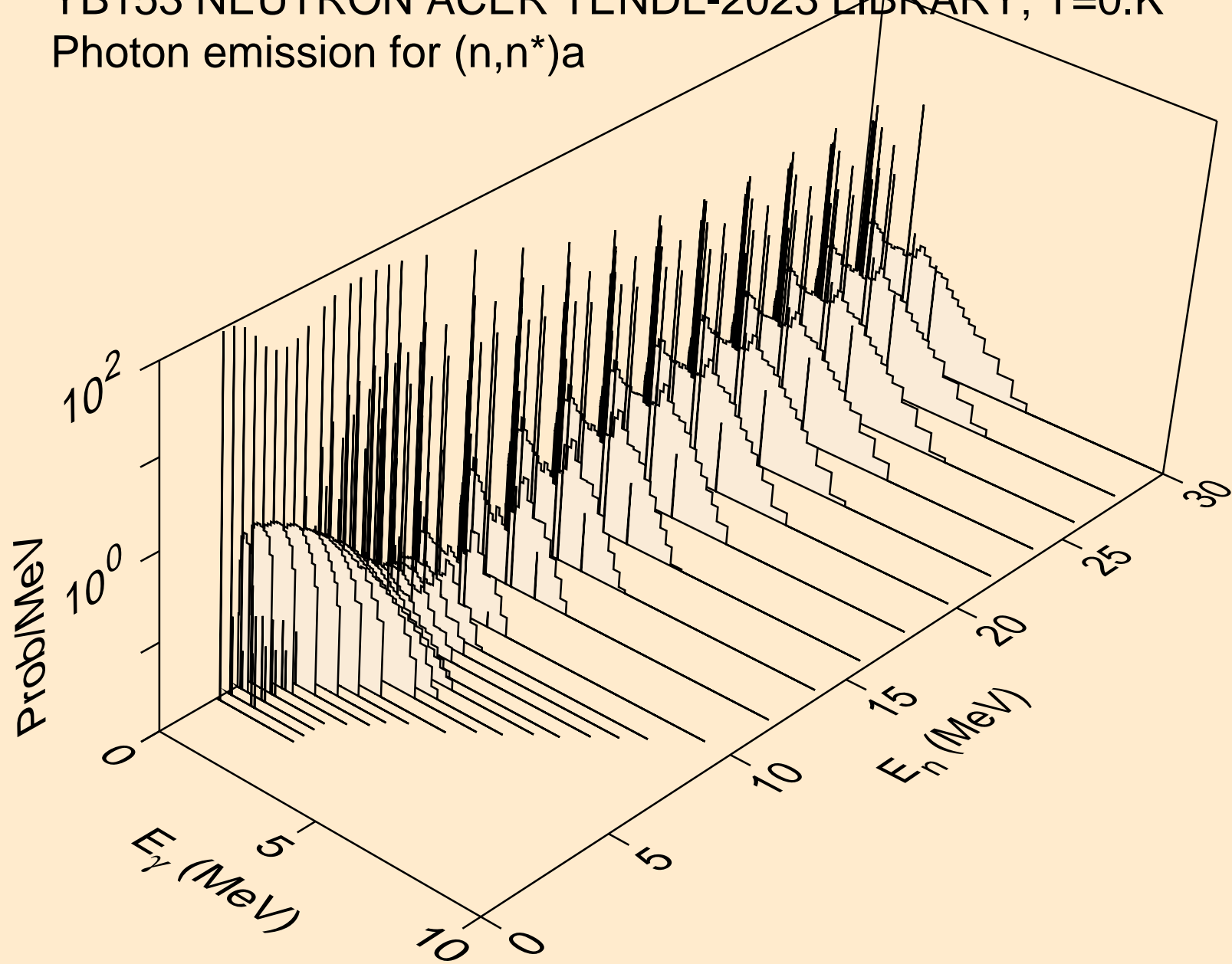
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Photon emission for (n,2n)



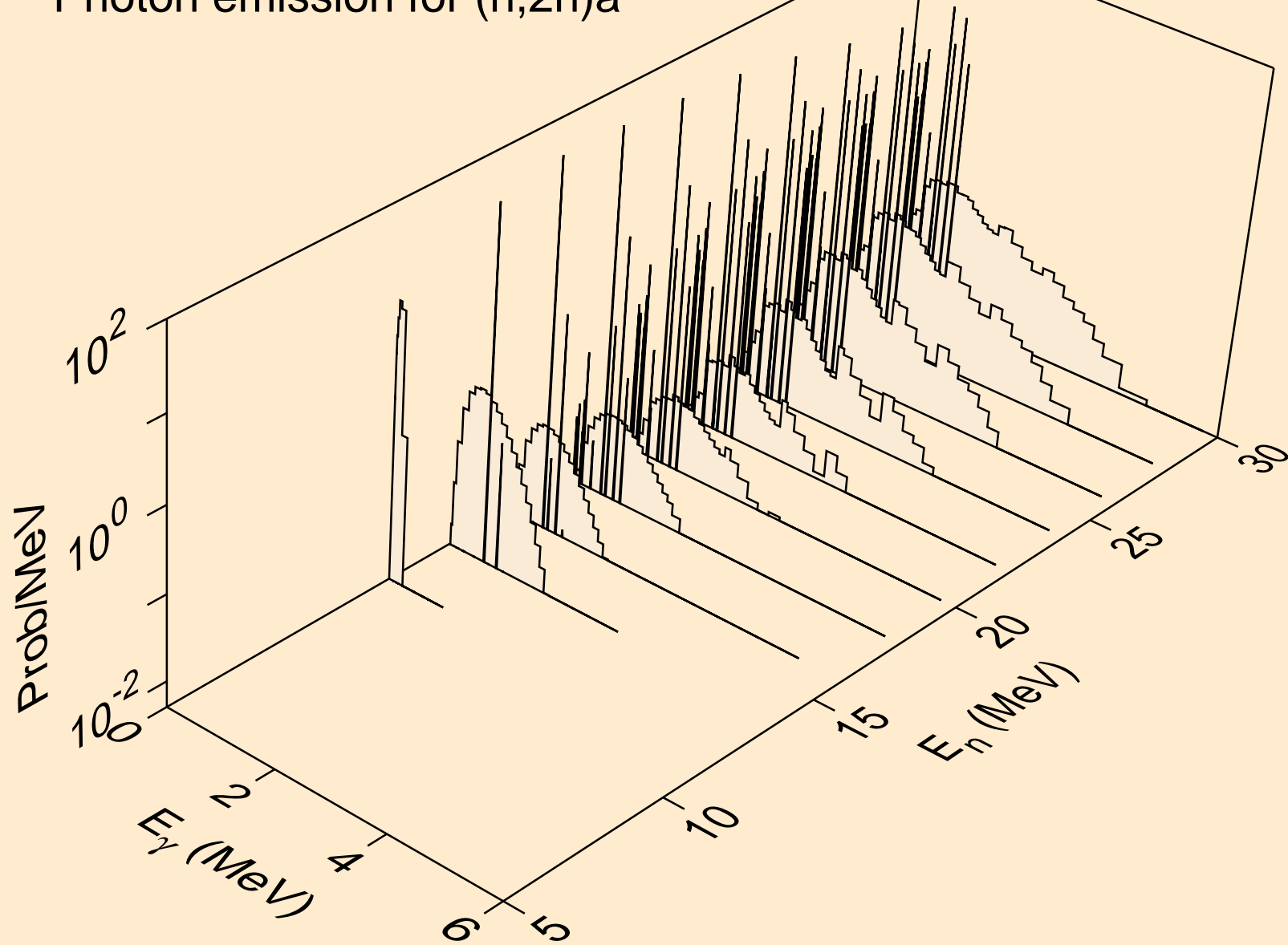
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Photon emission for (n,3n)



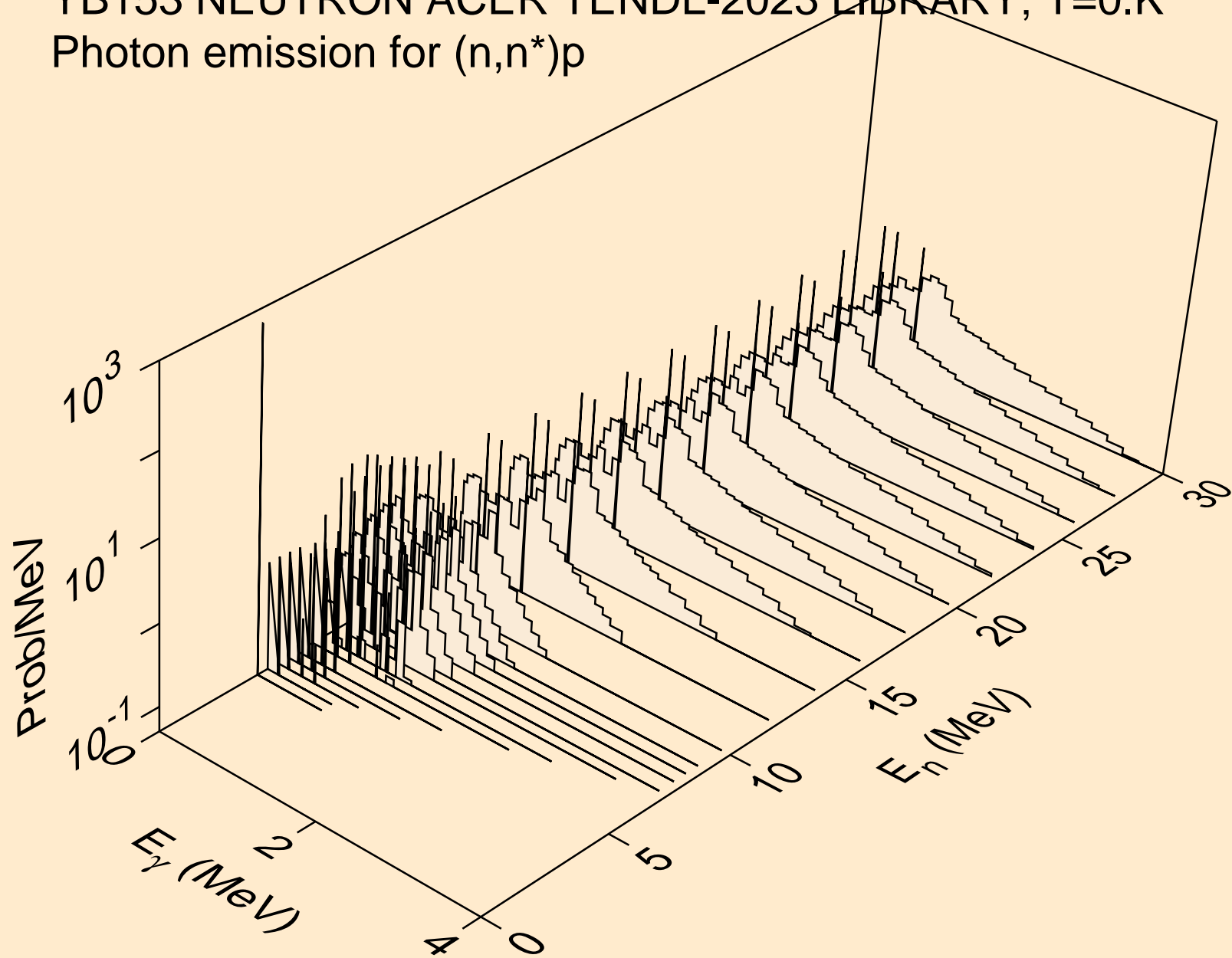
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



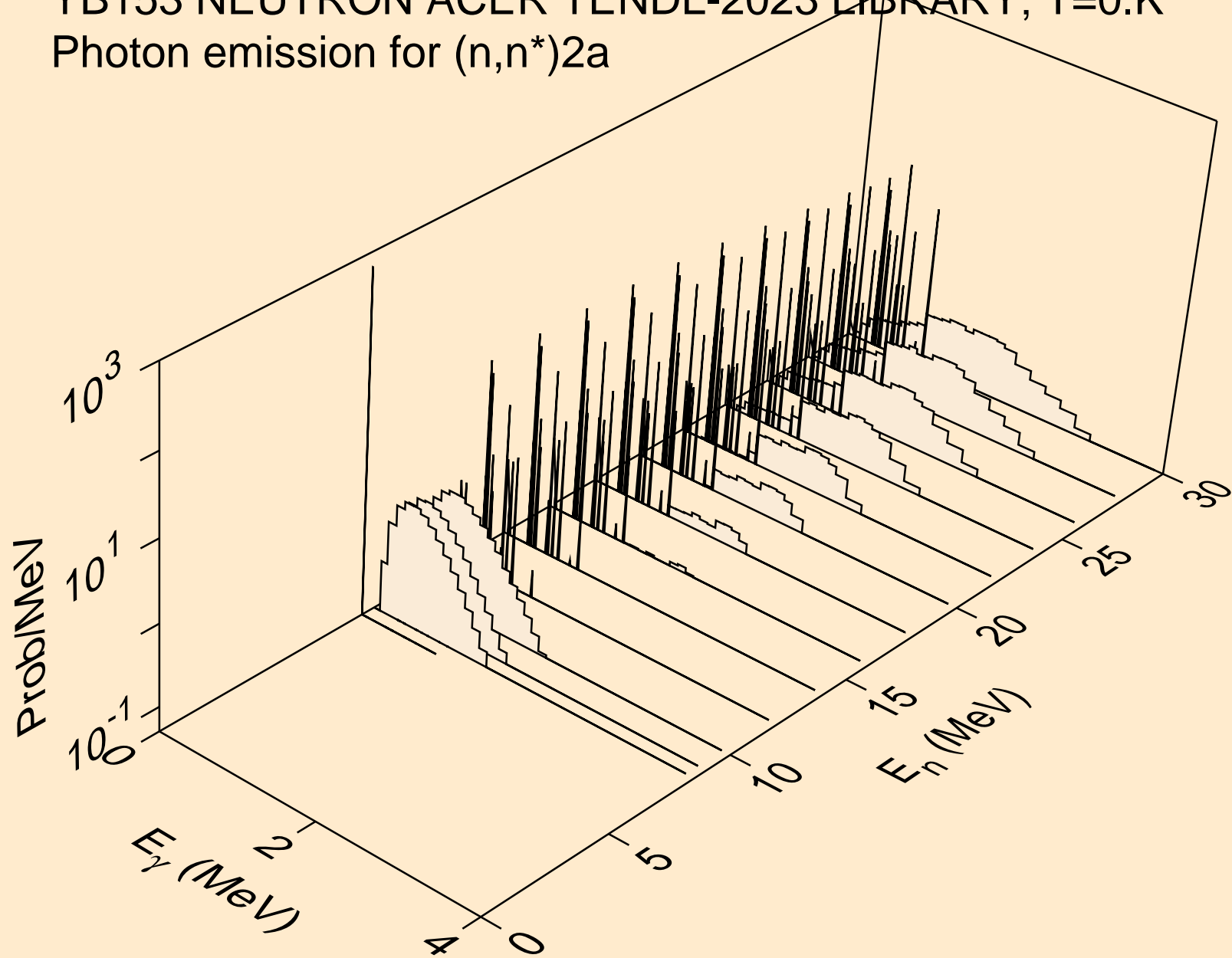
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



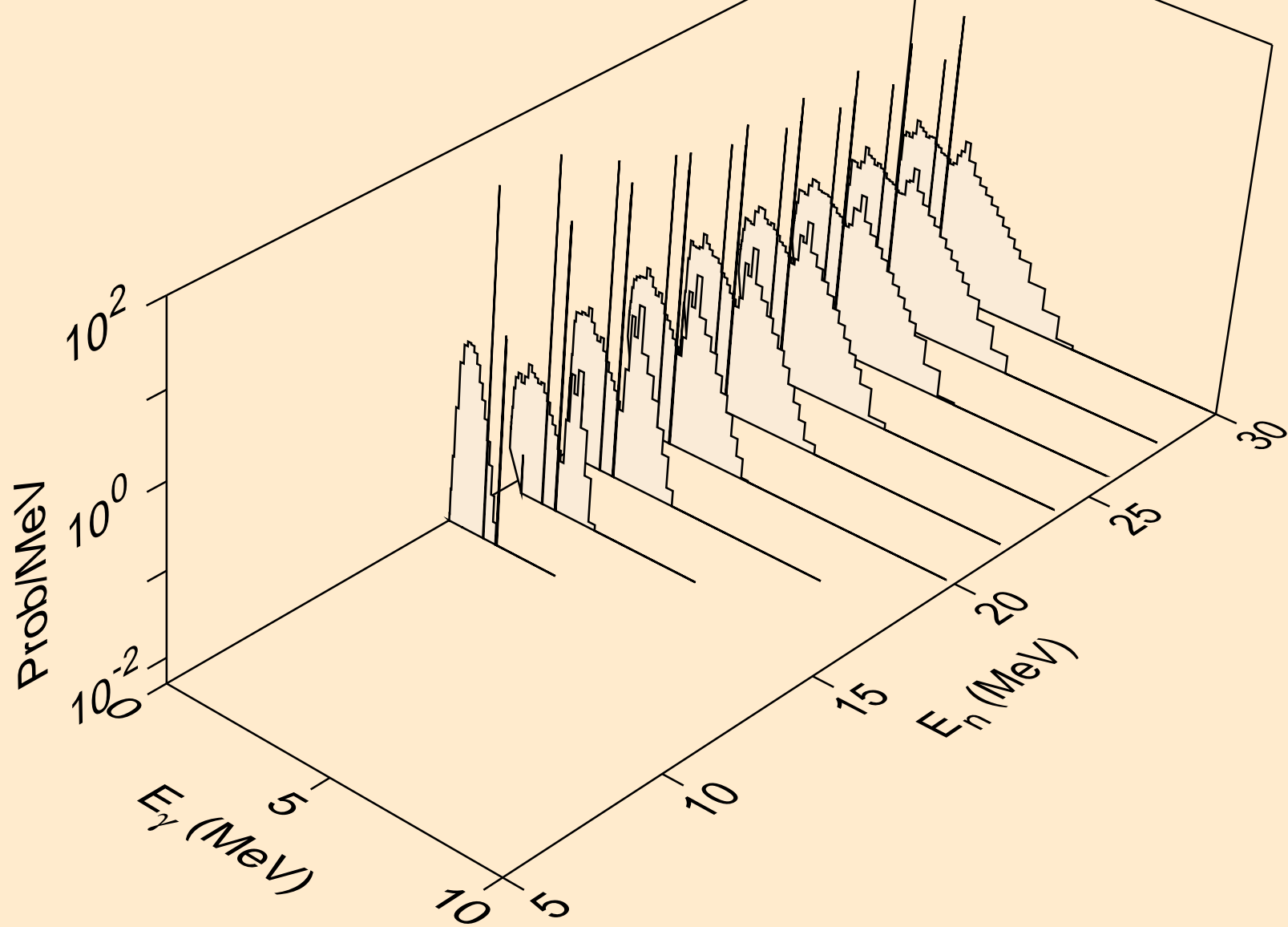
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



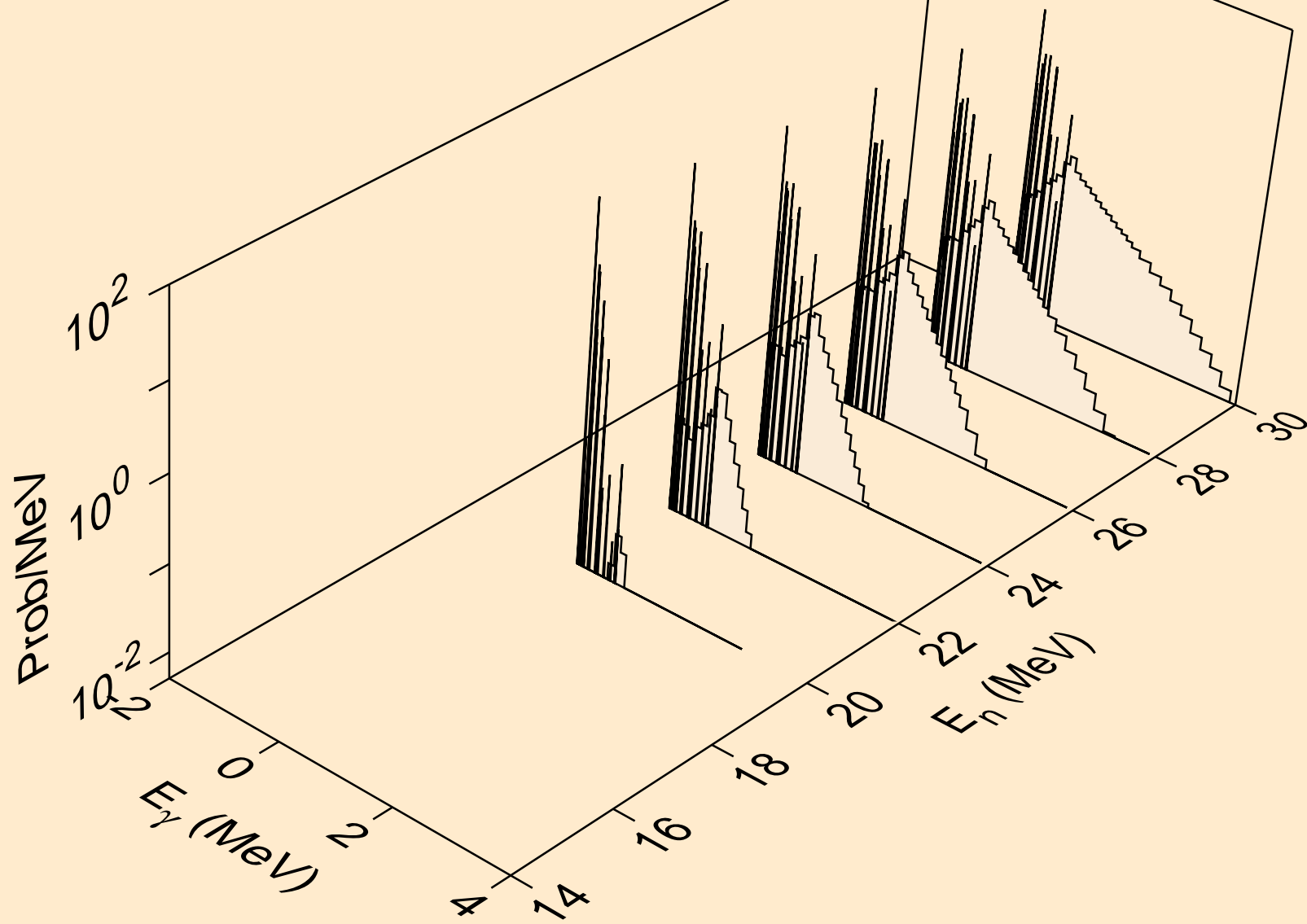
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



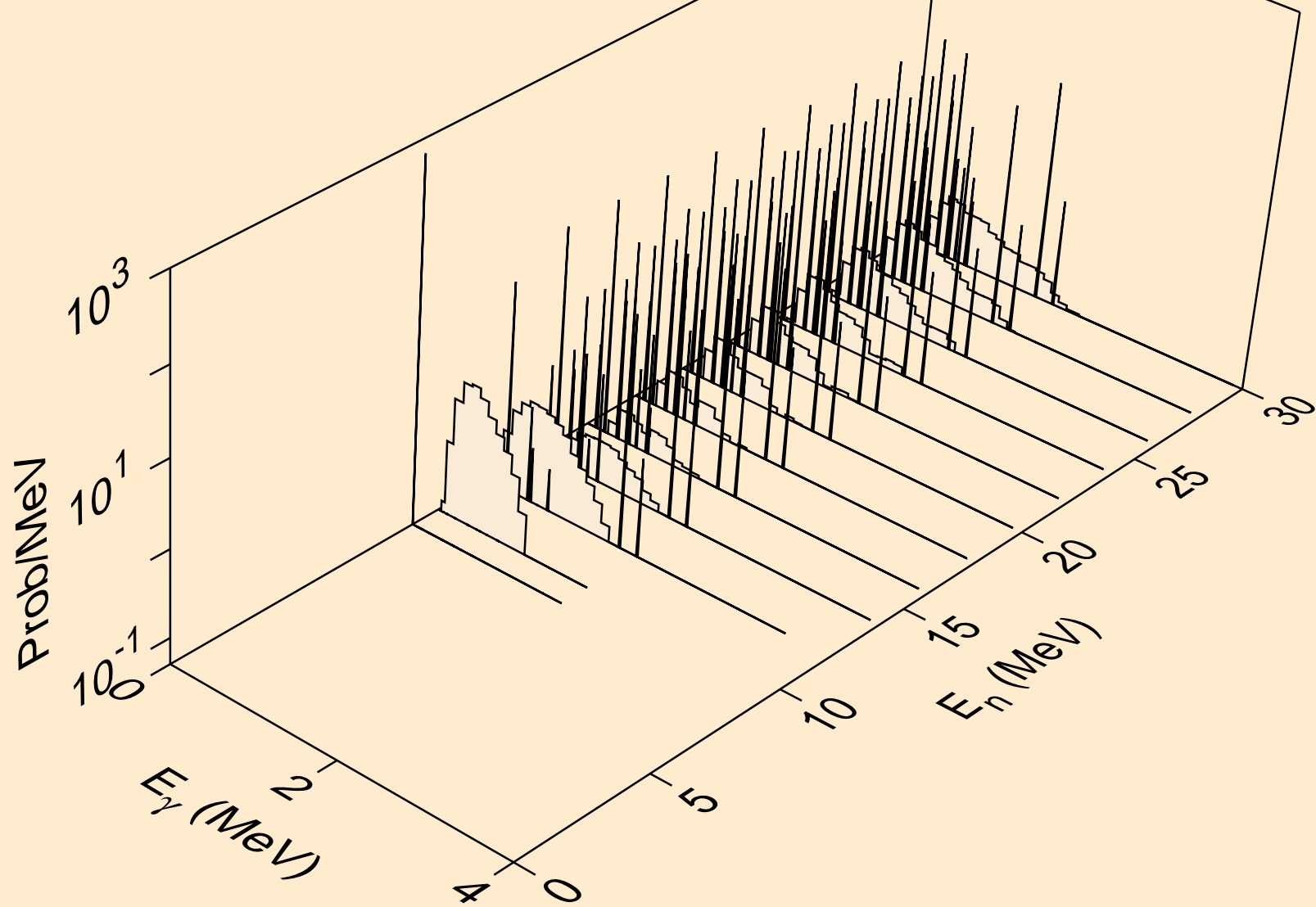
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



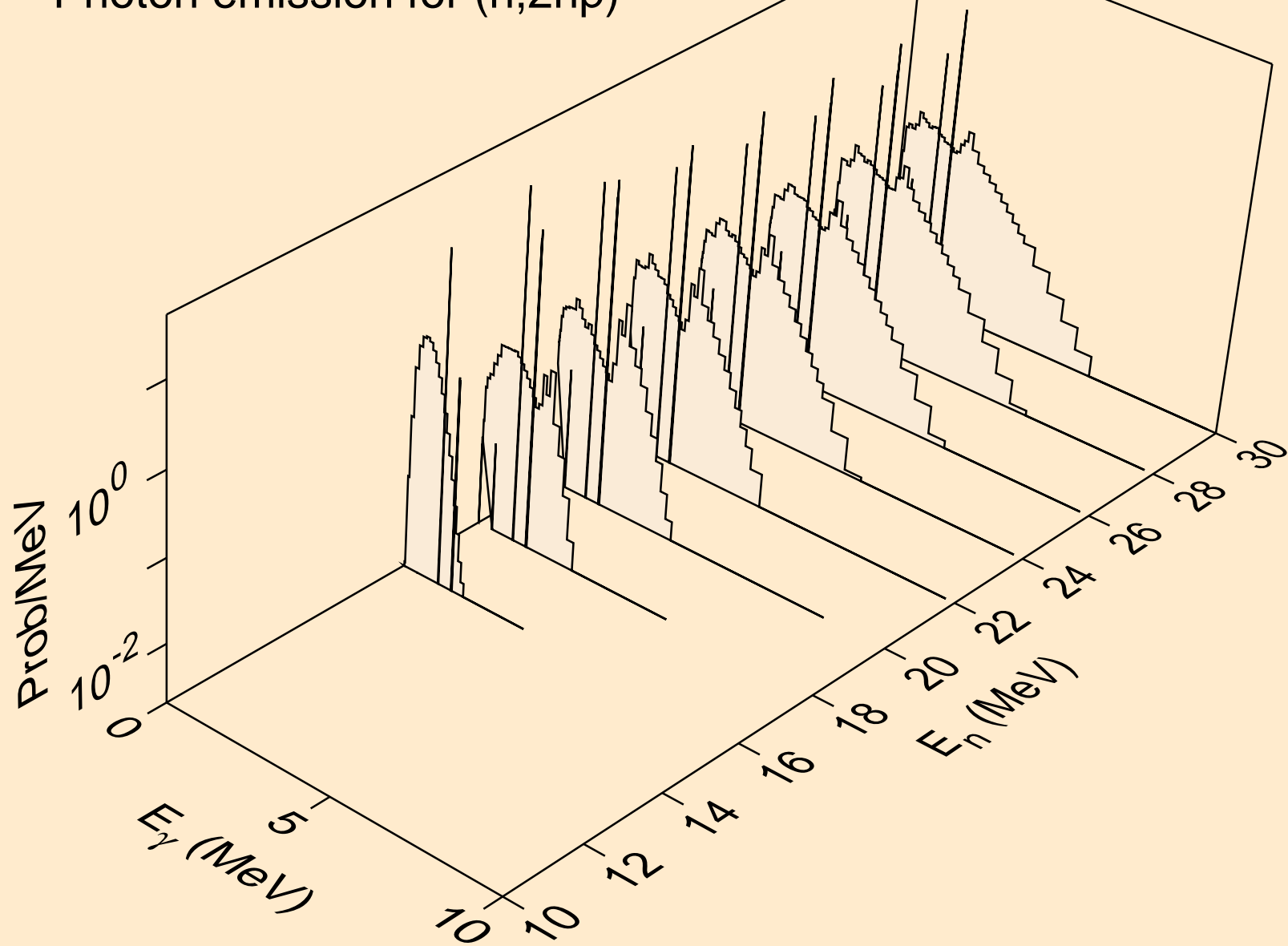
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Photon emission for (n,n\*)t



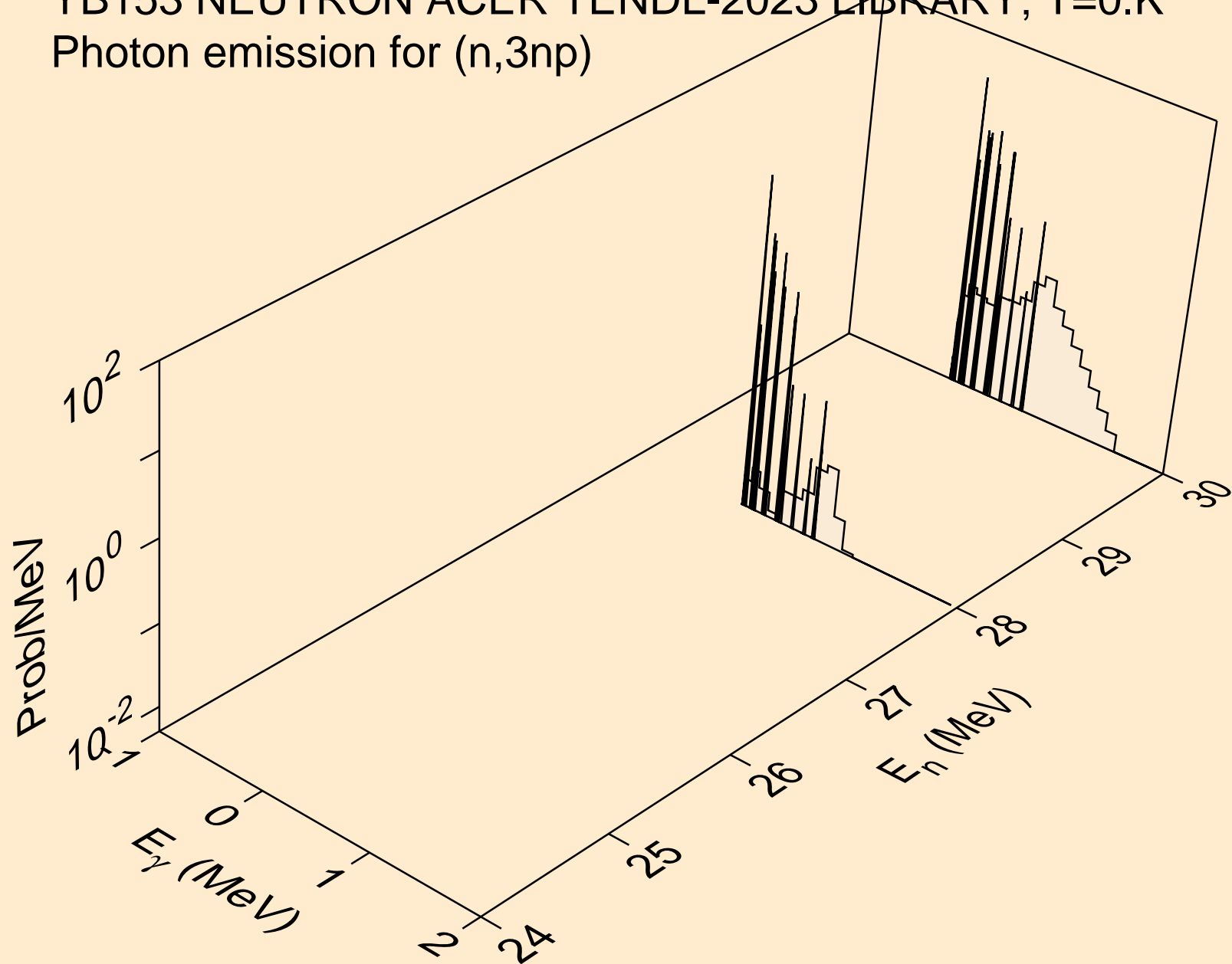
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



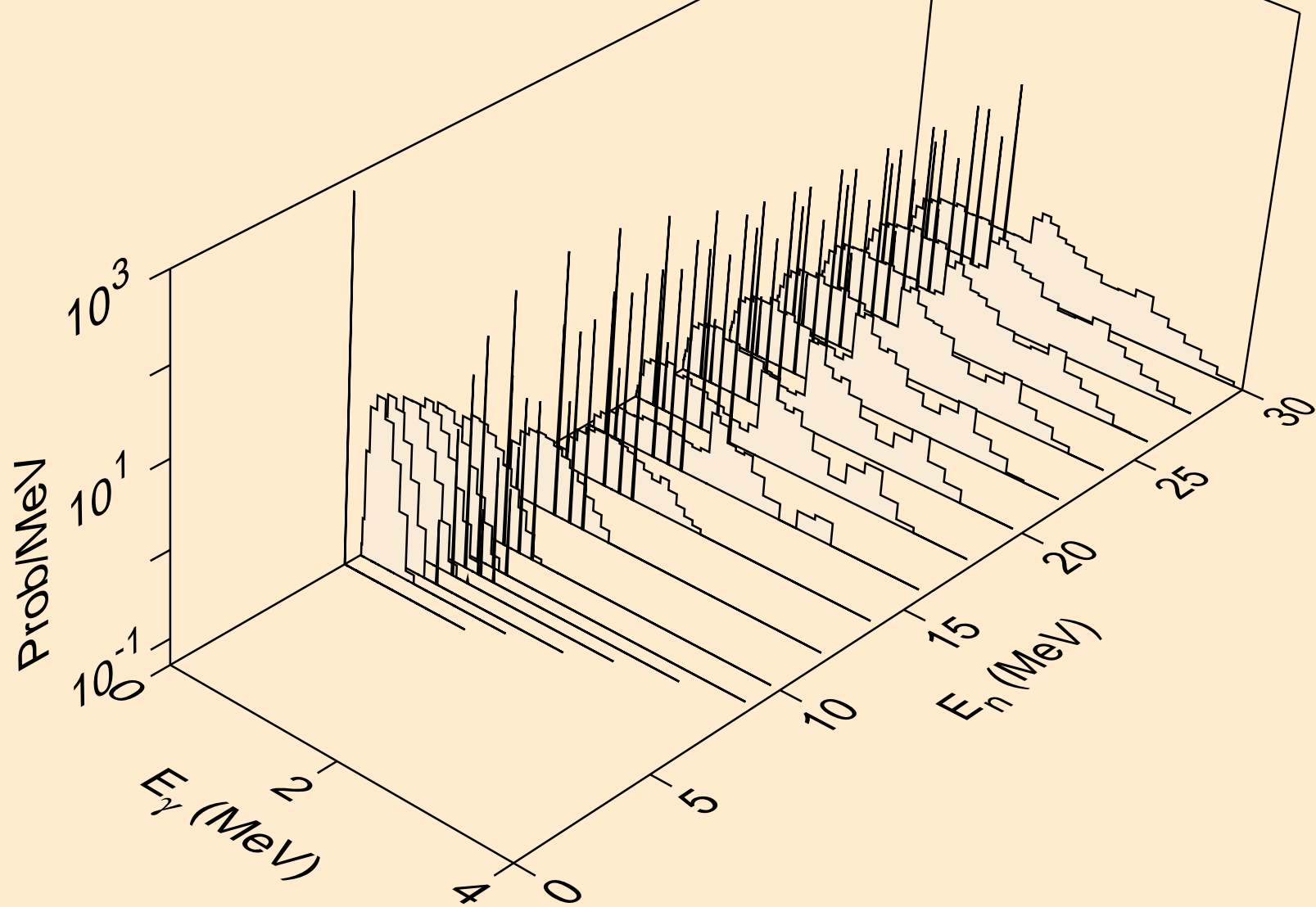
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Photon emission for (n,2np)



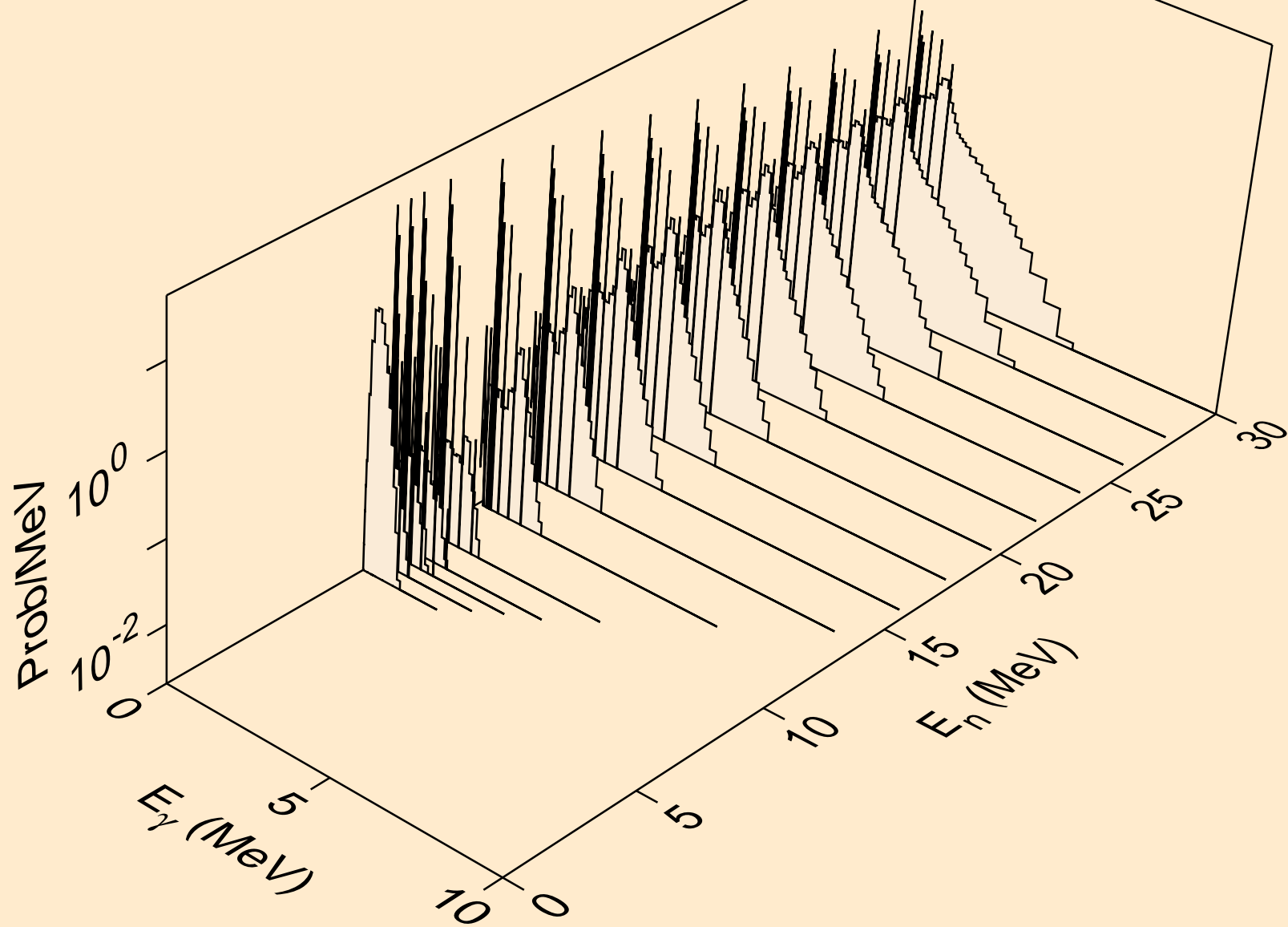
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



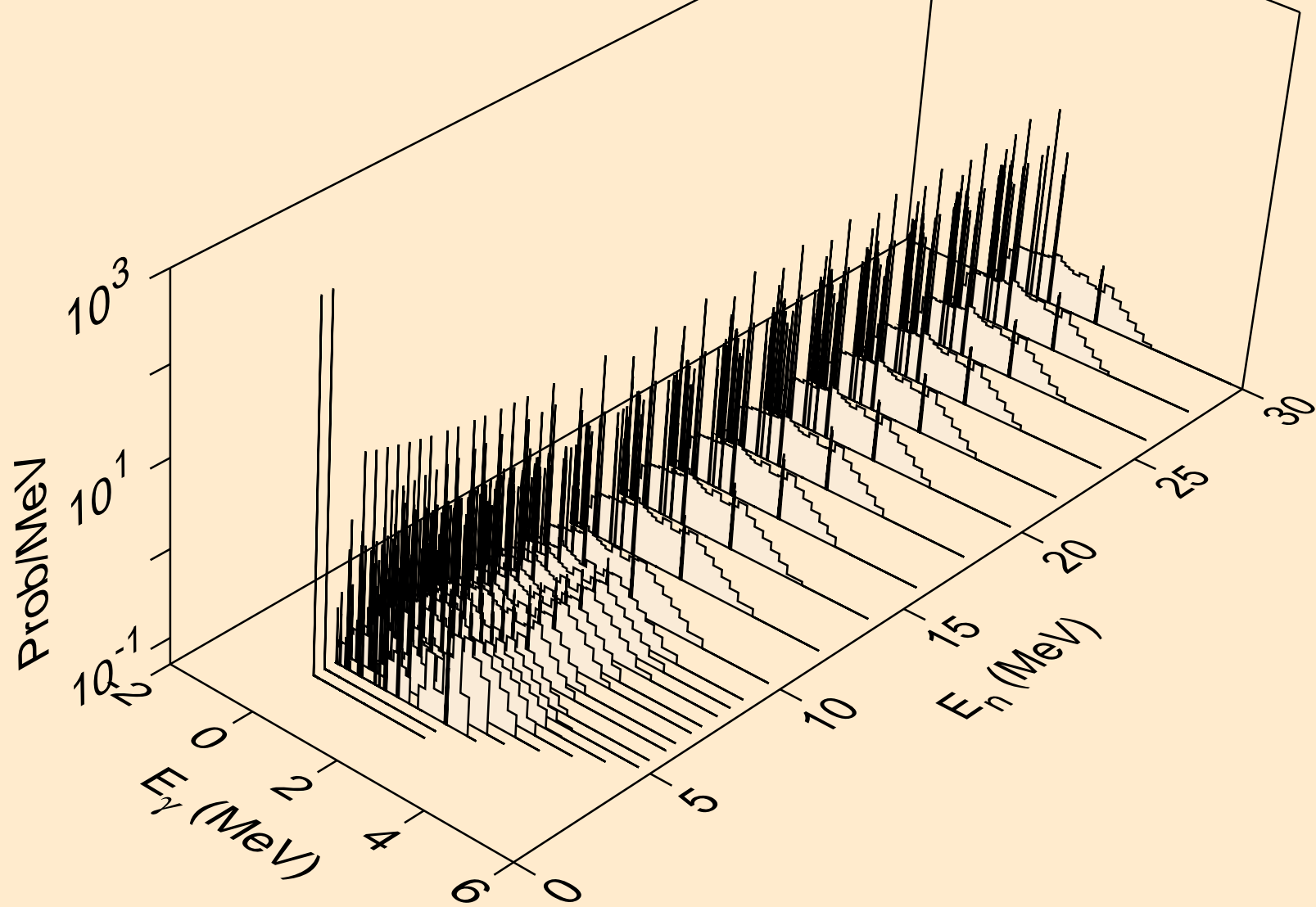
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Photon emission for (n,n2p)



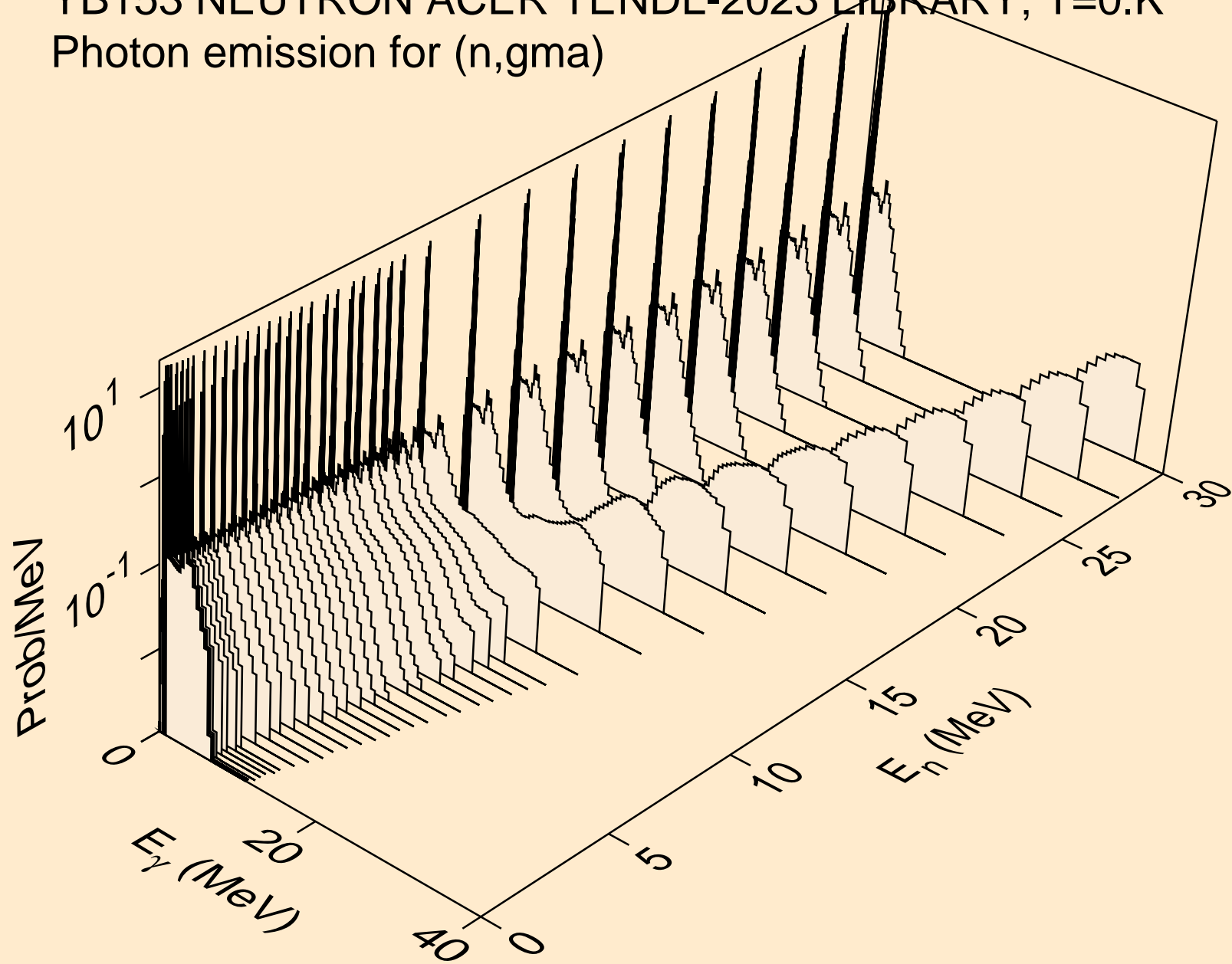
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



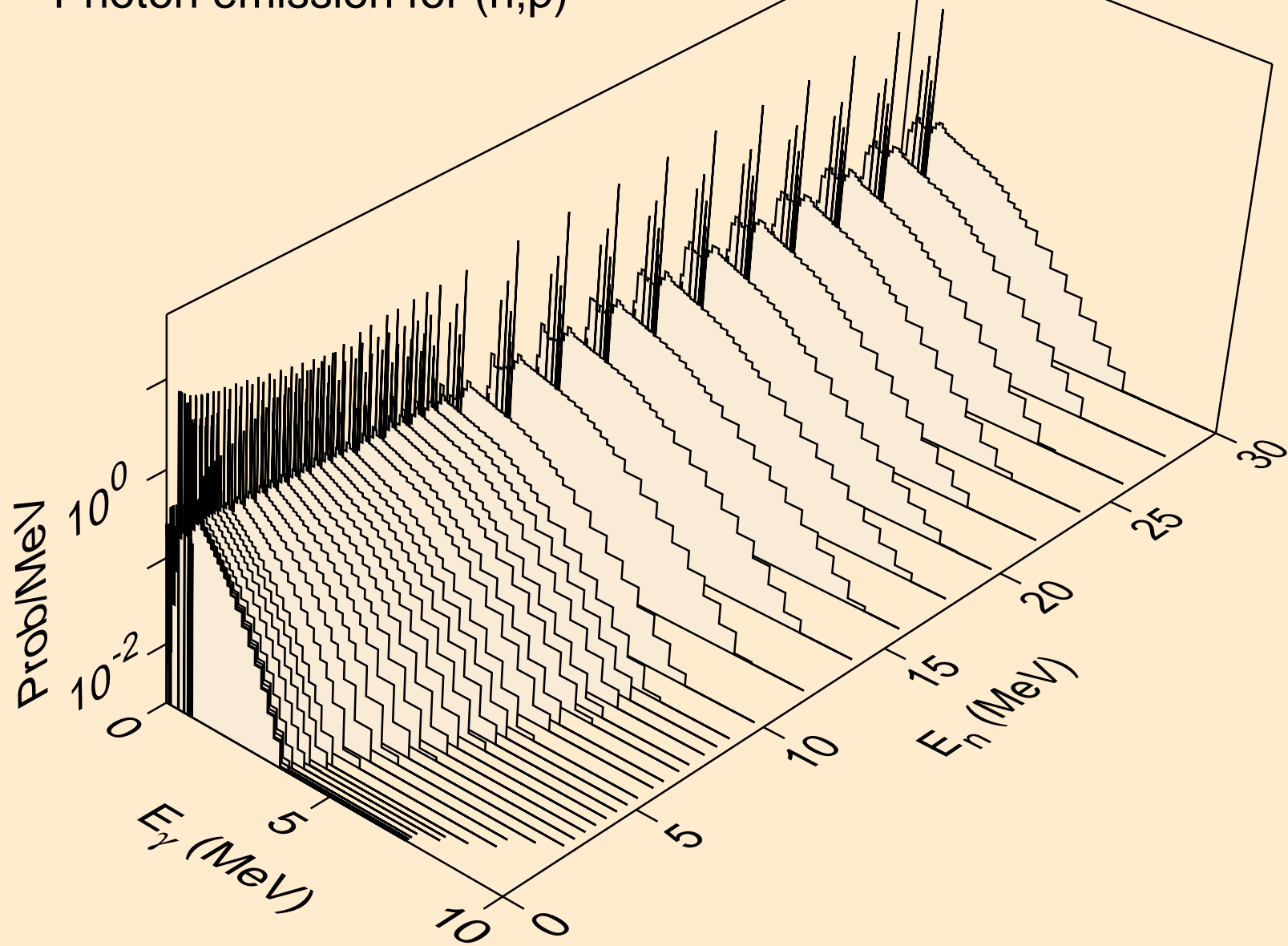
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



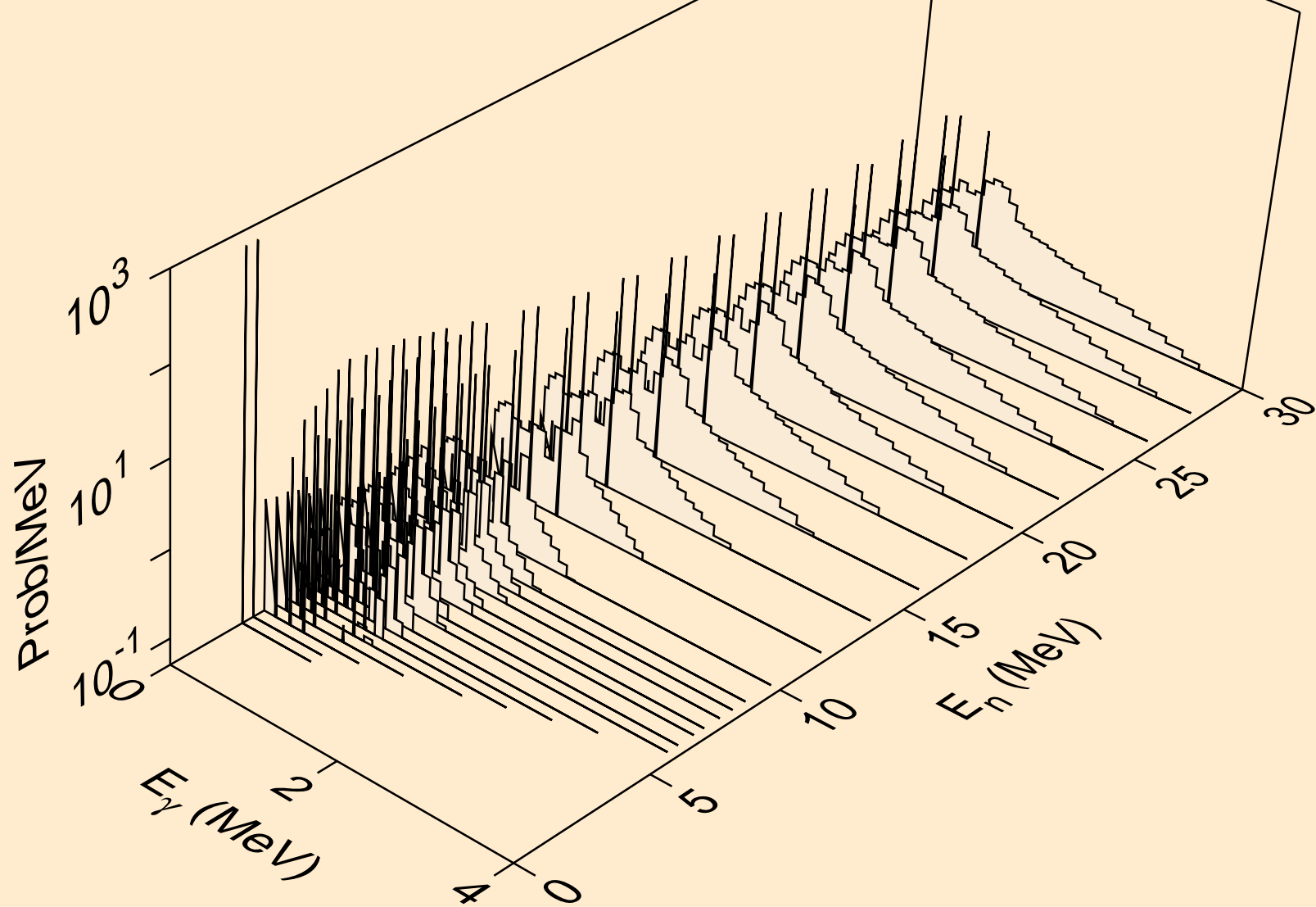
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



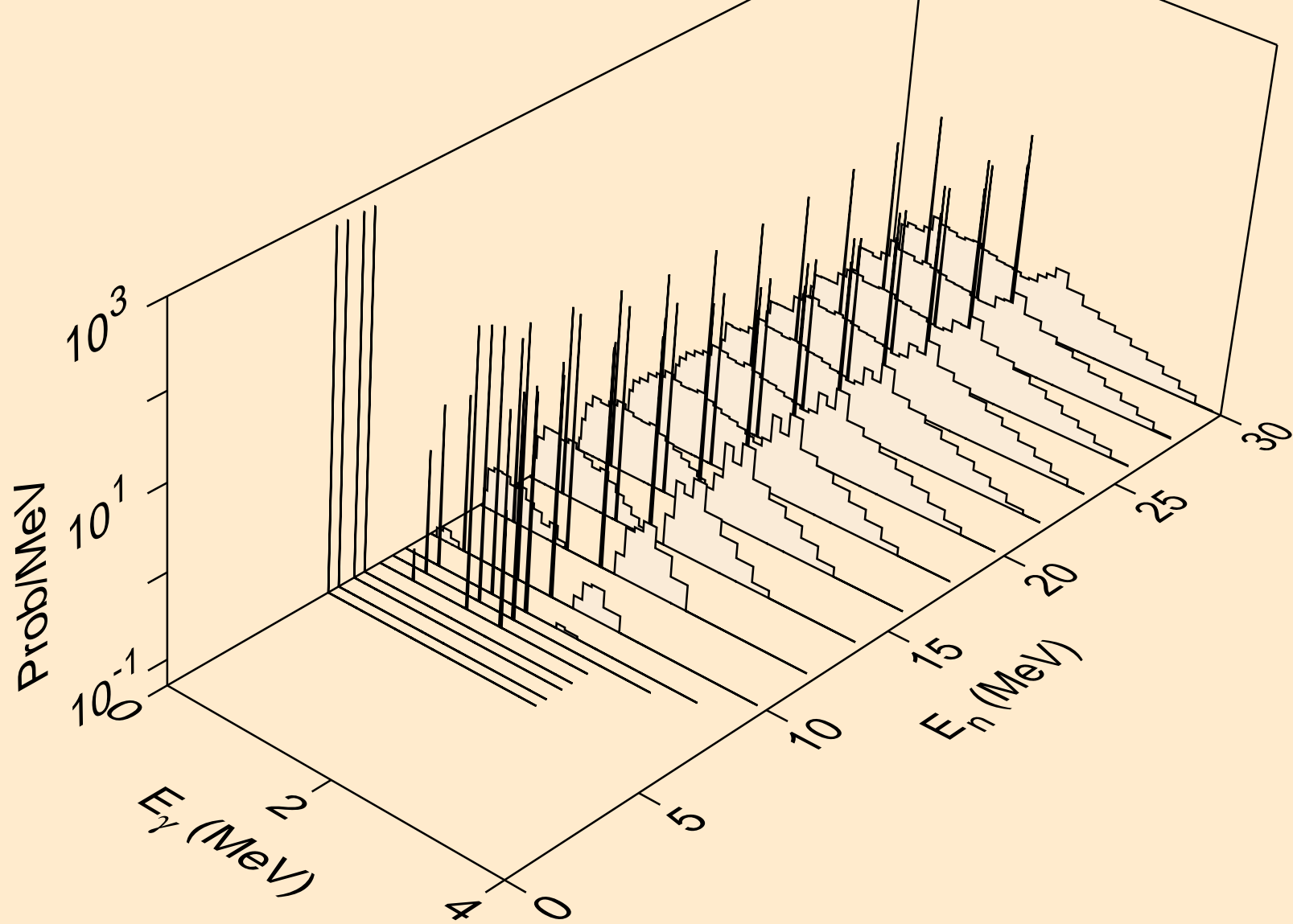
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



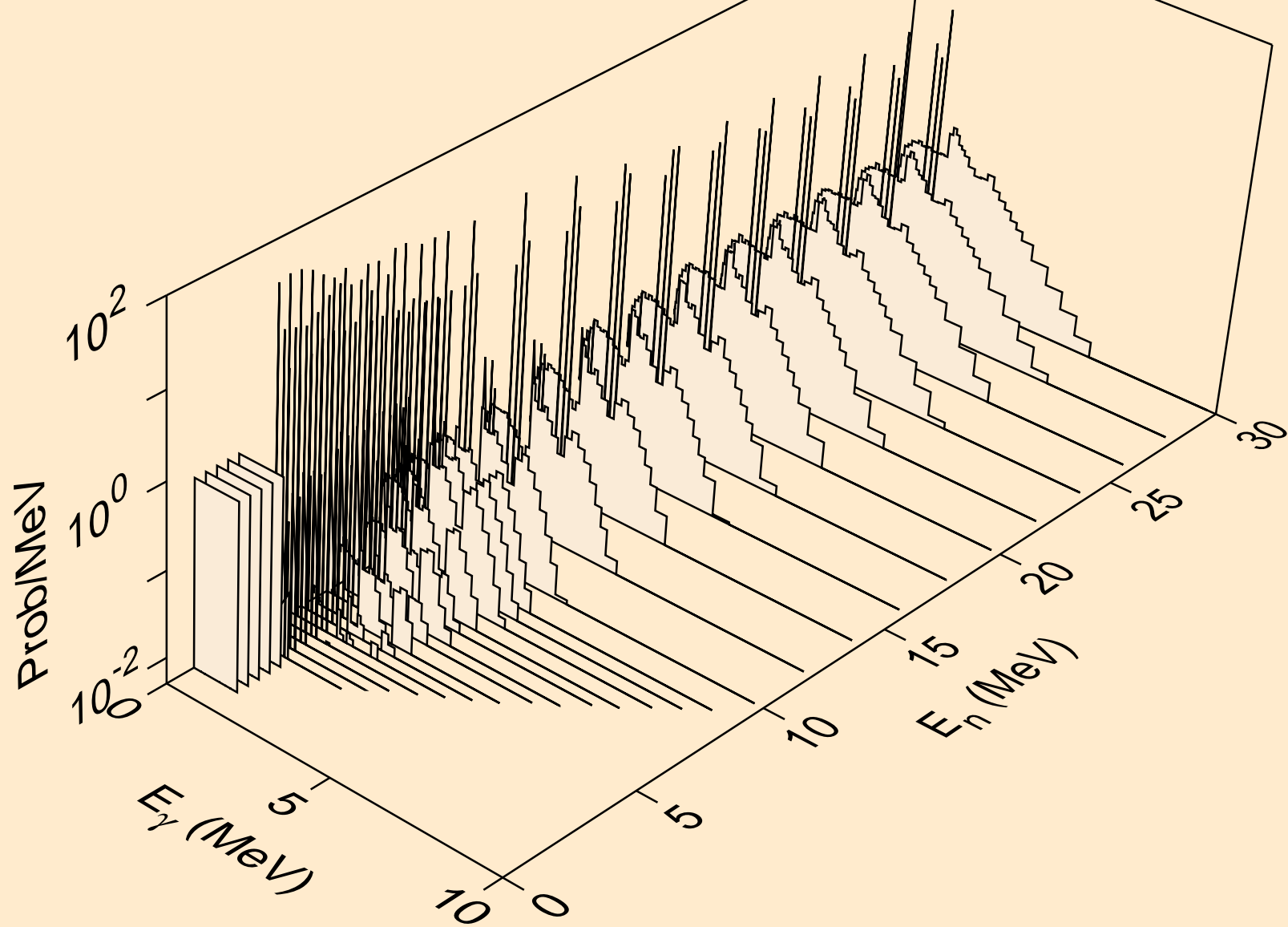
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



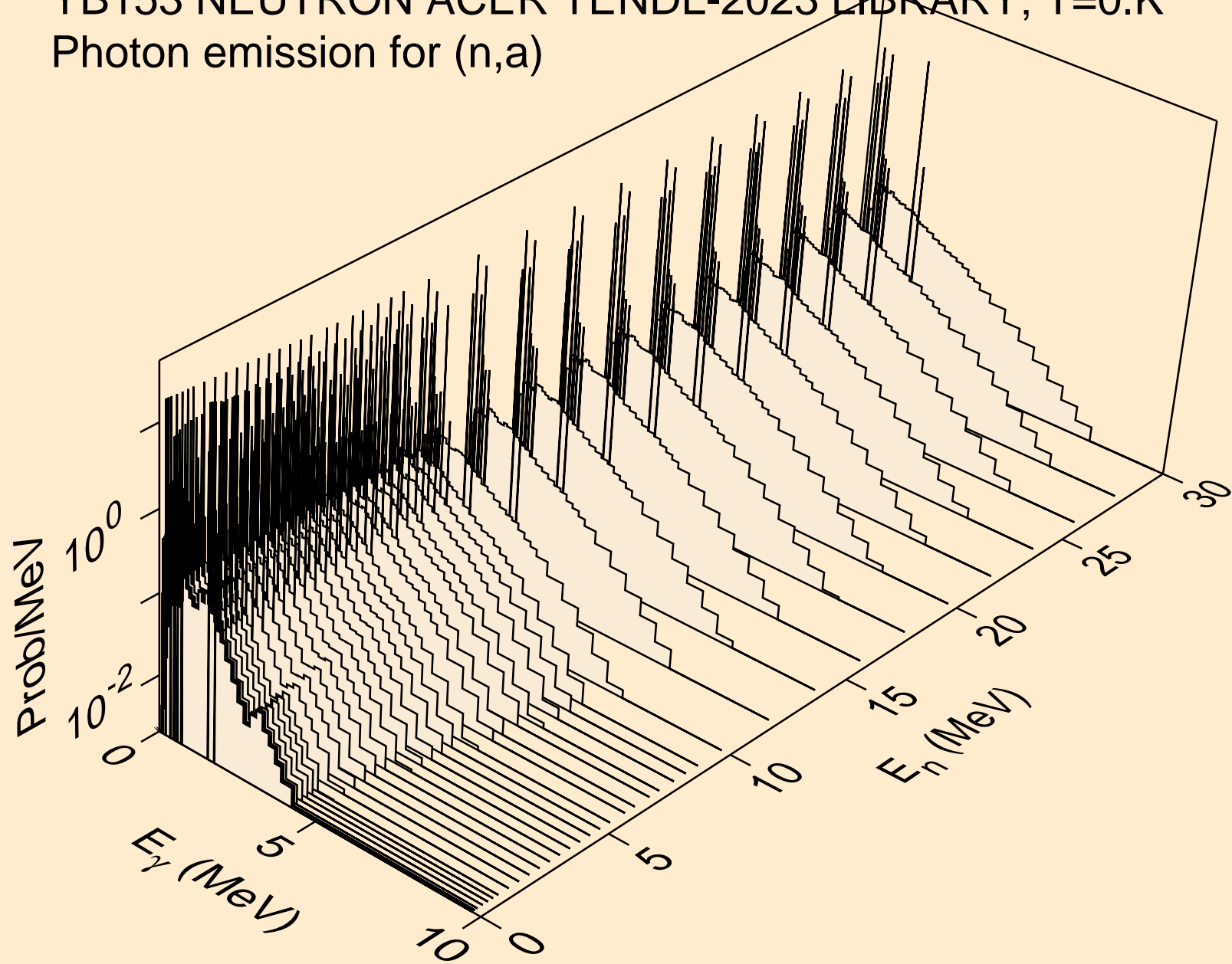
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



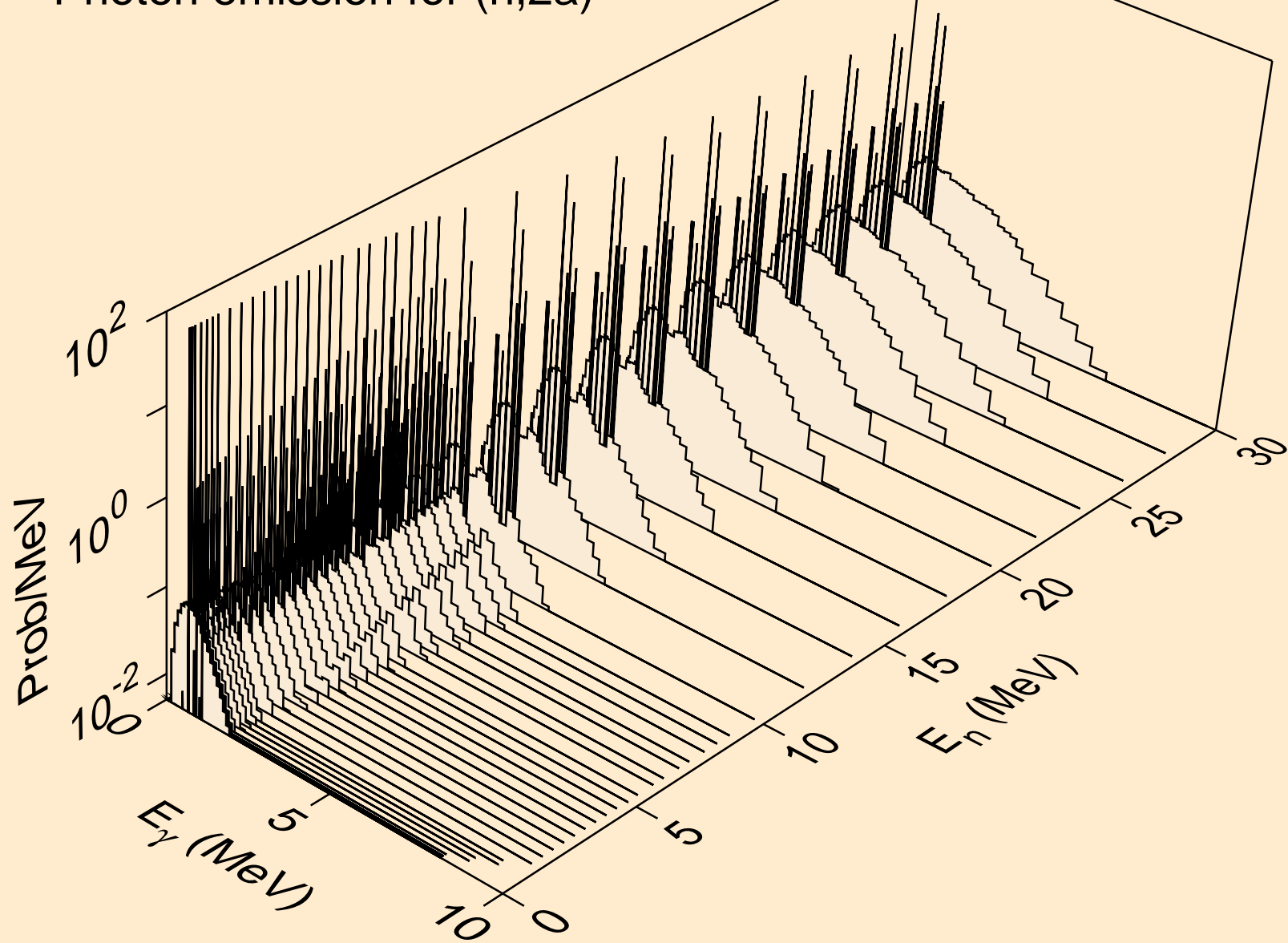
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



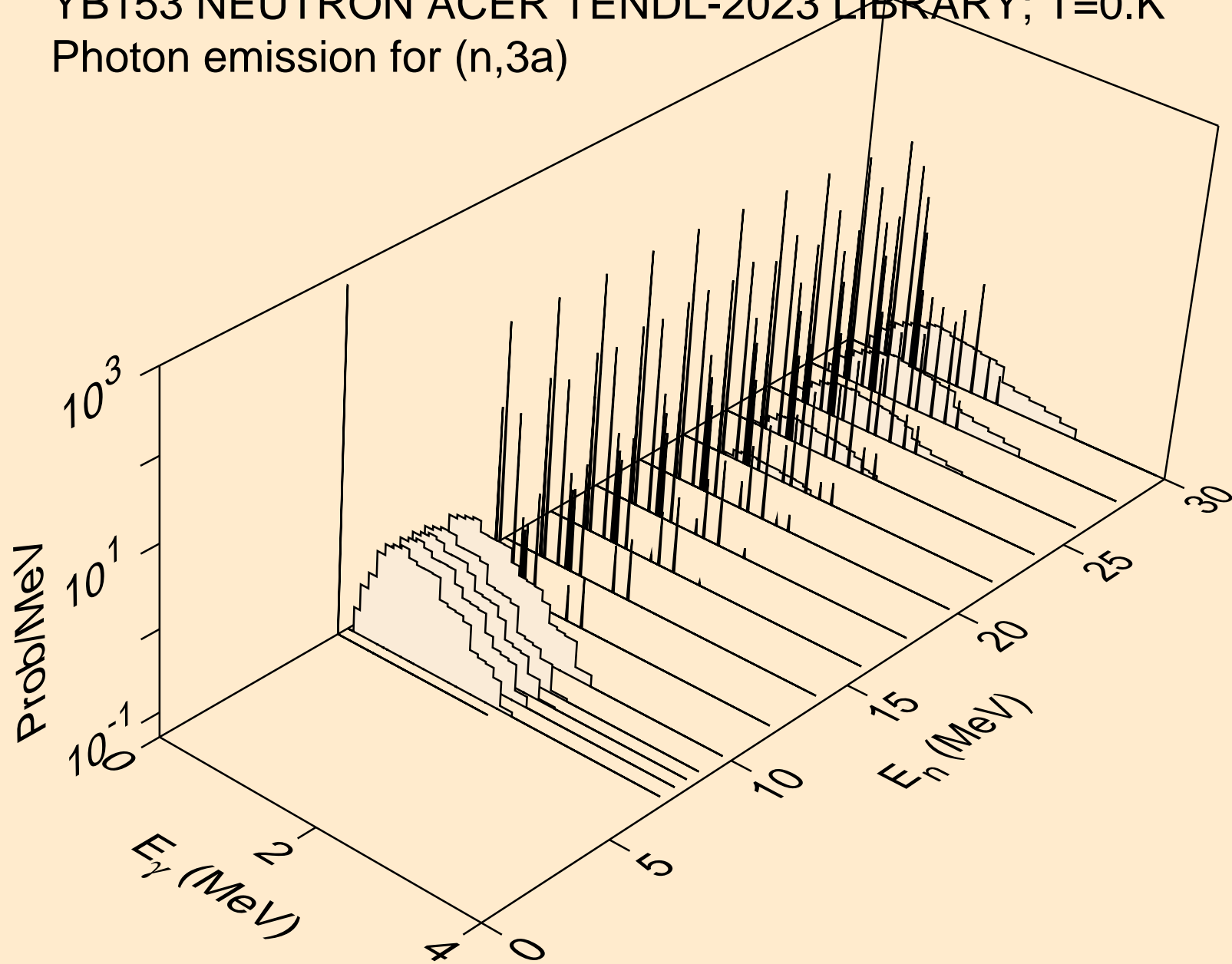
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



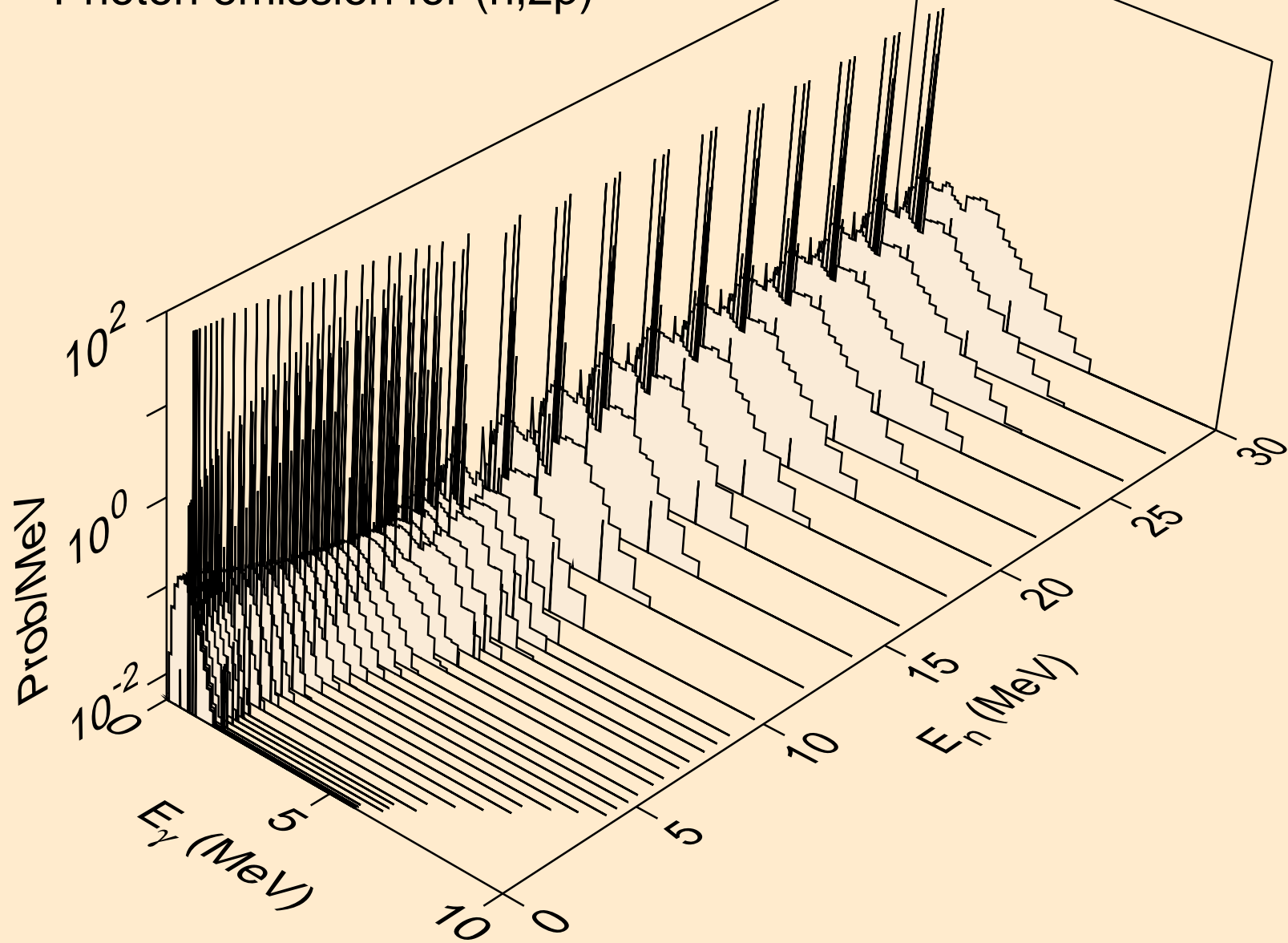
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



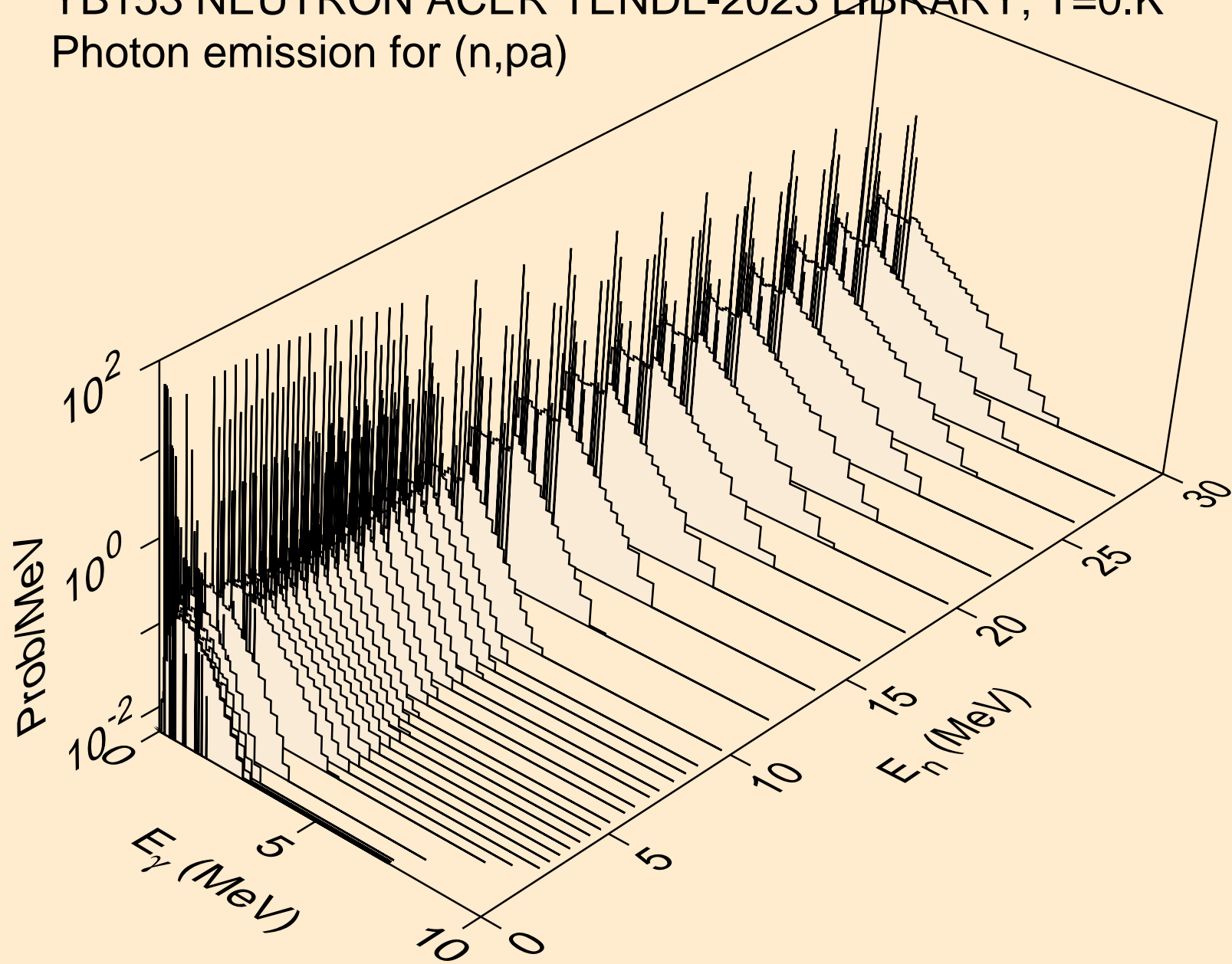
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



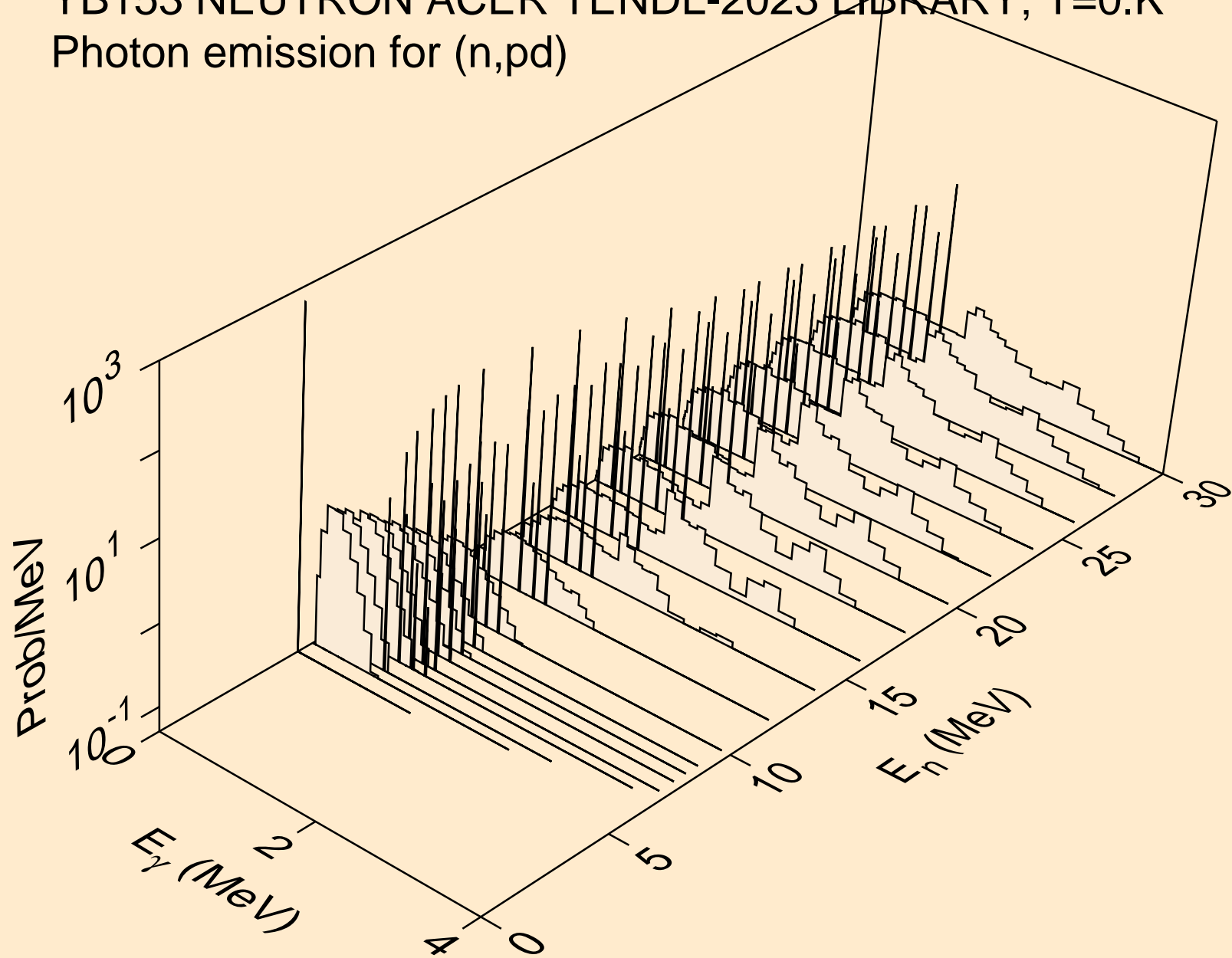
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



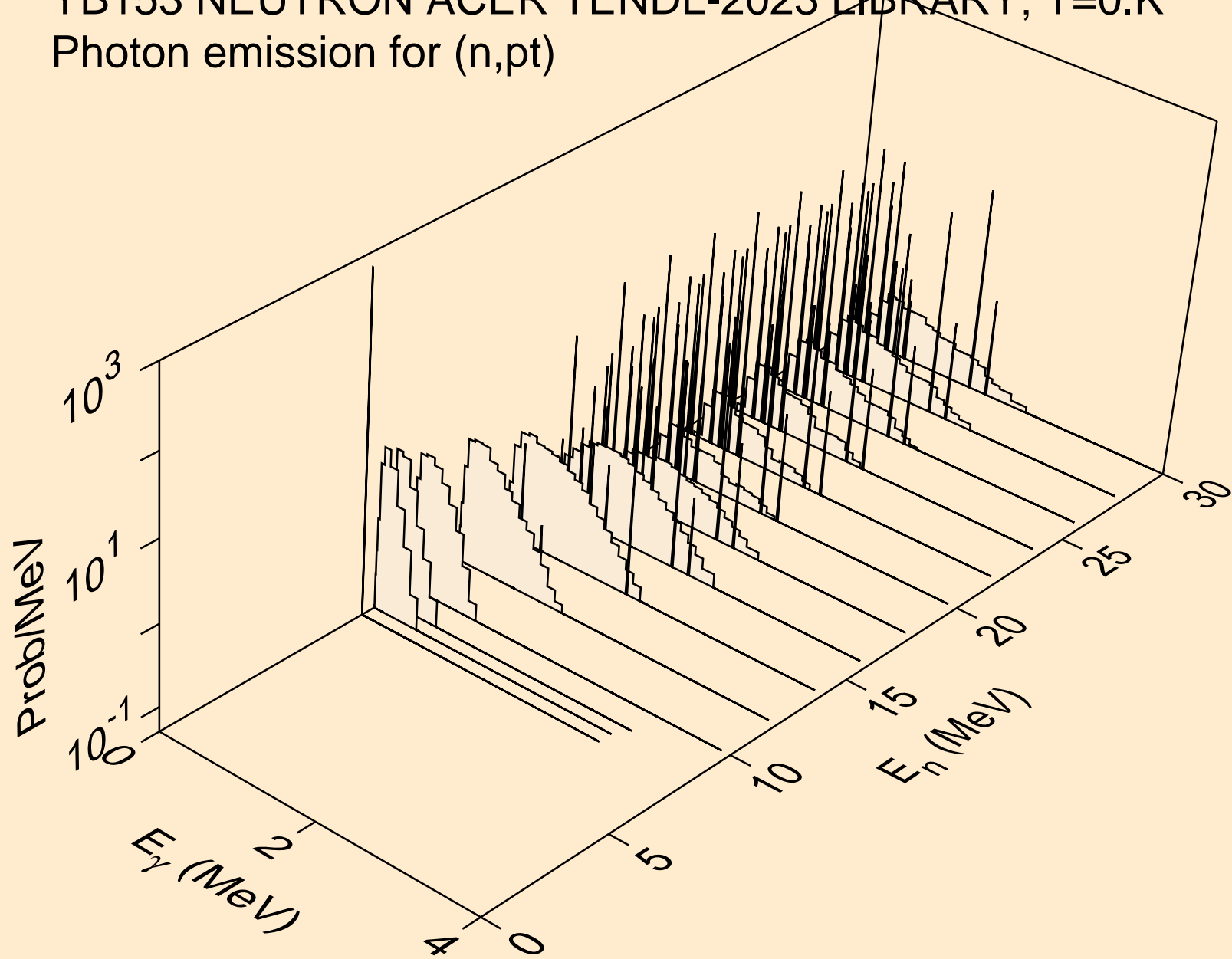
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



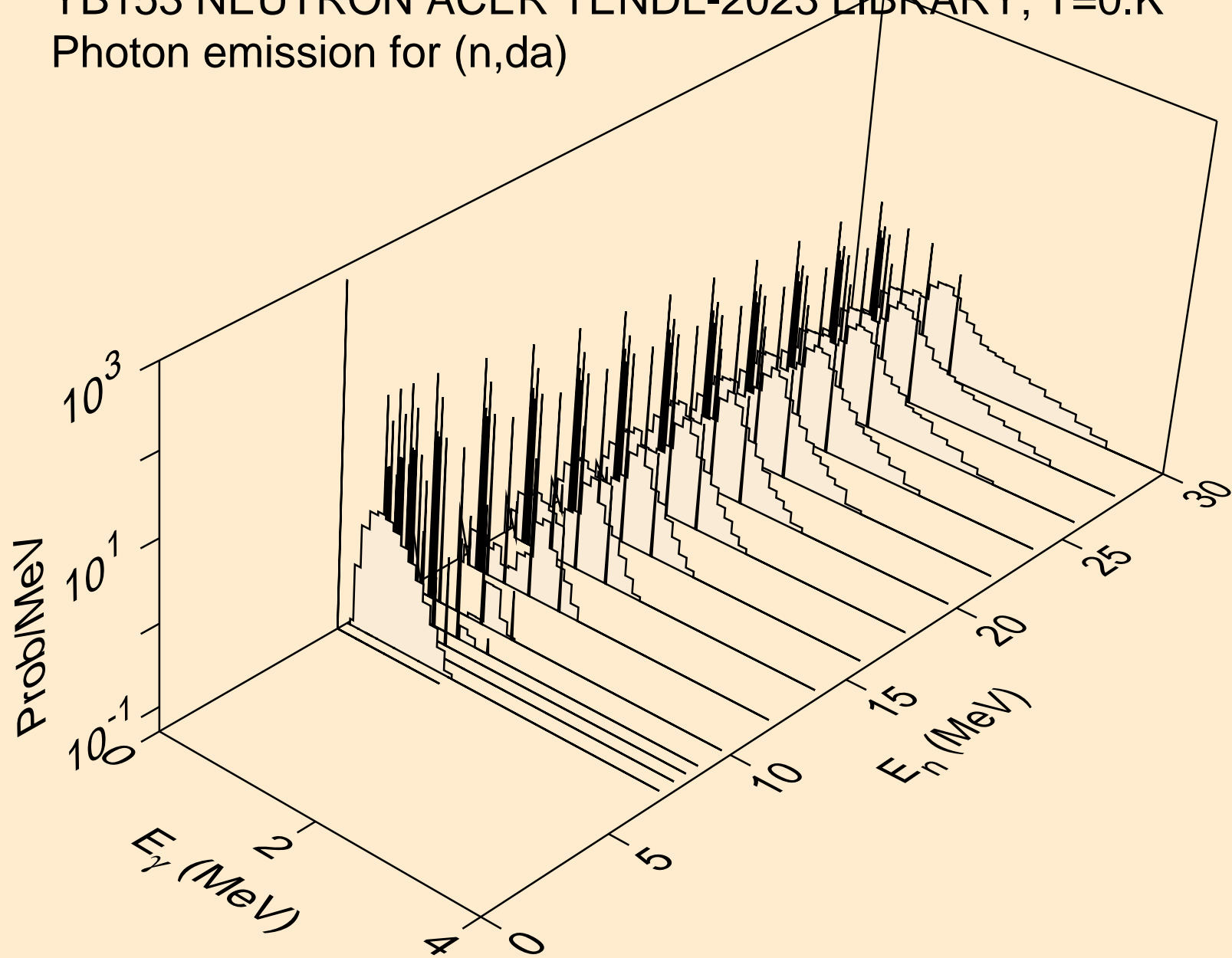
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



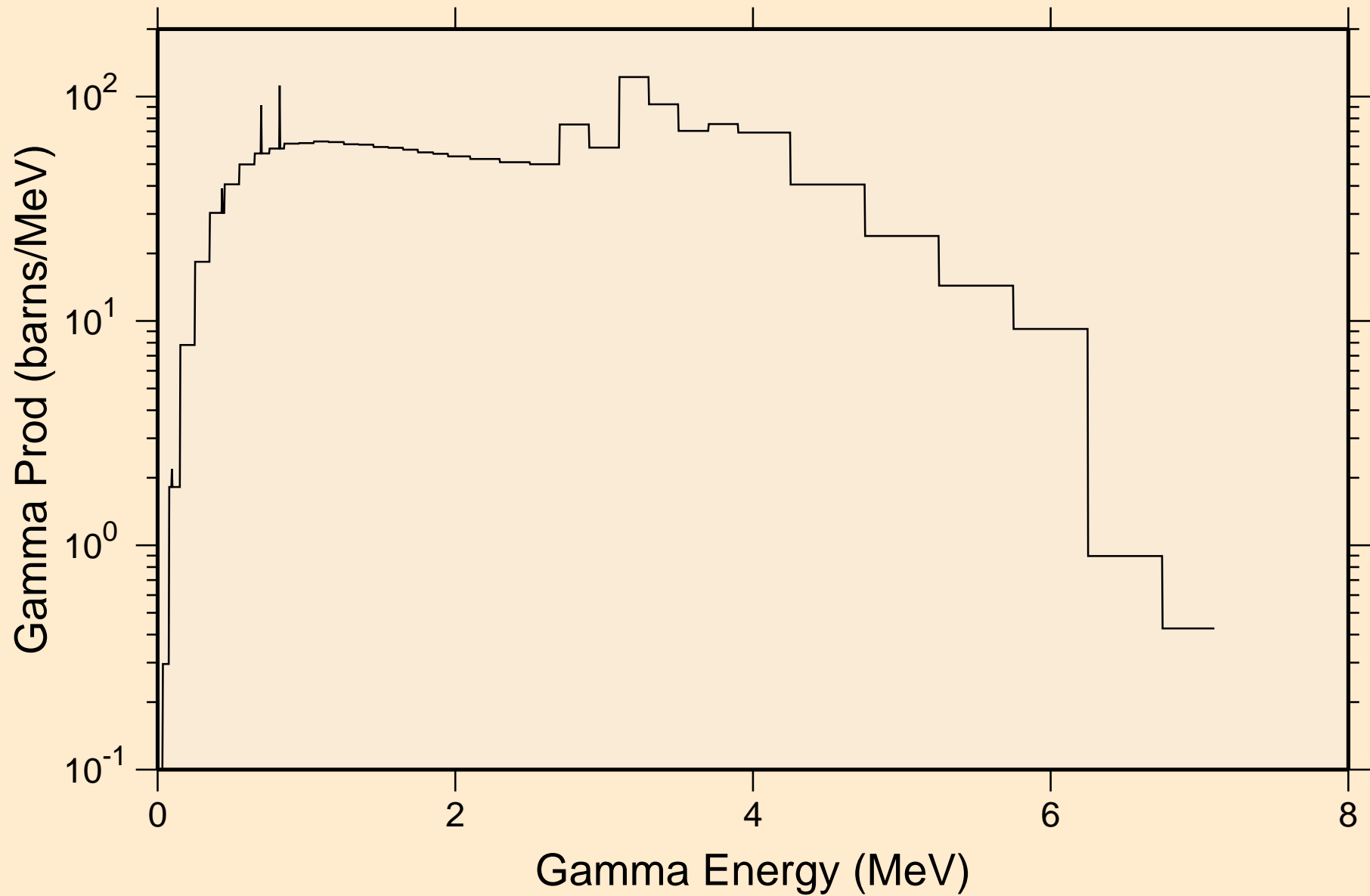
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



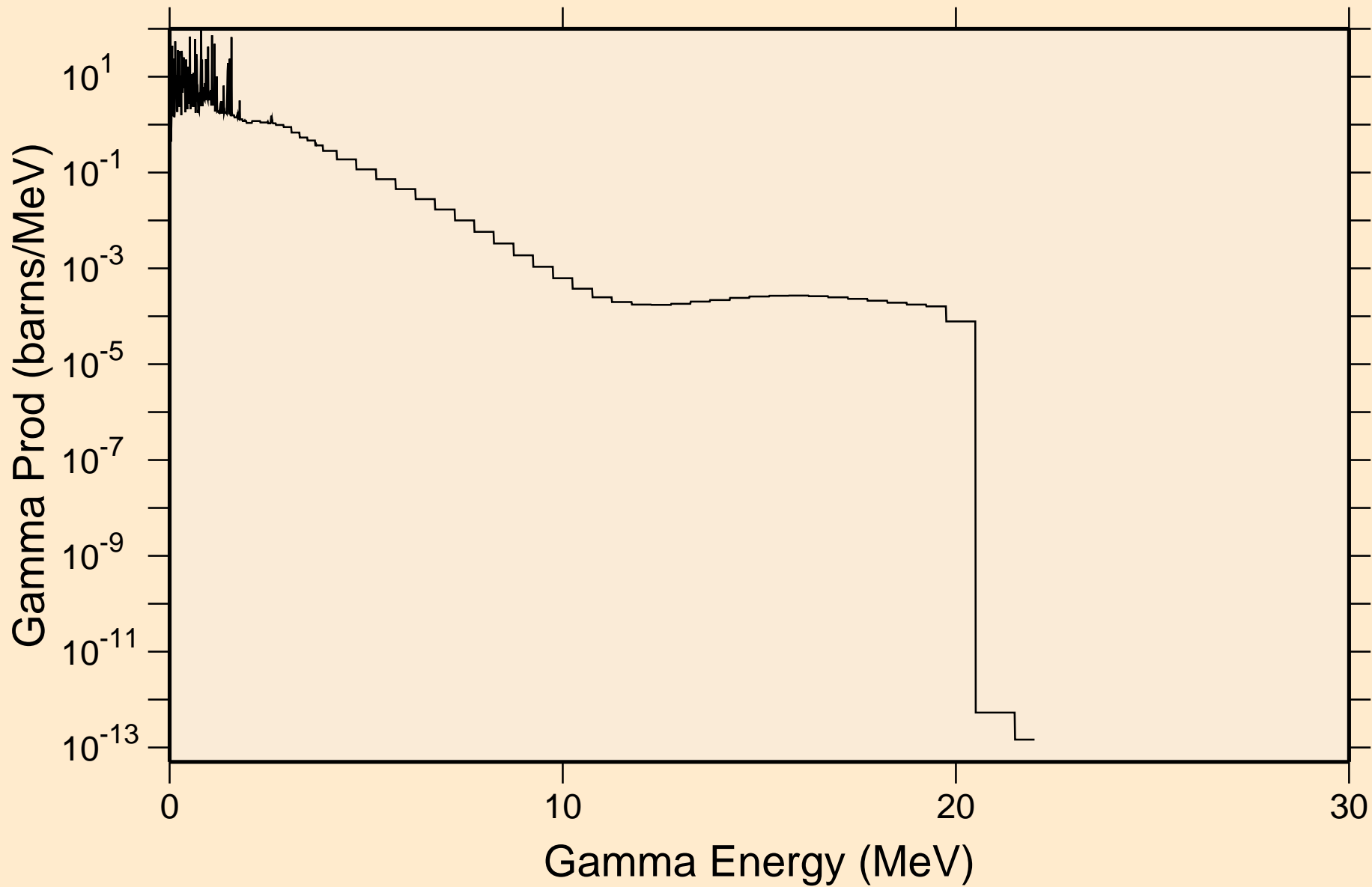
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

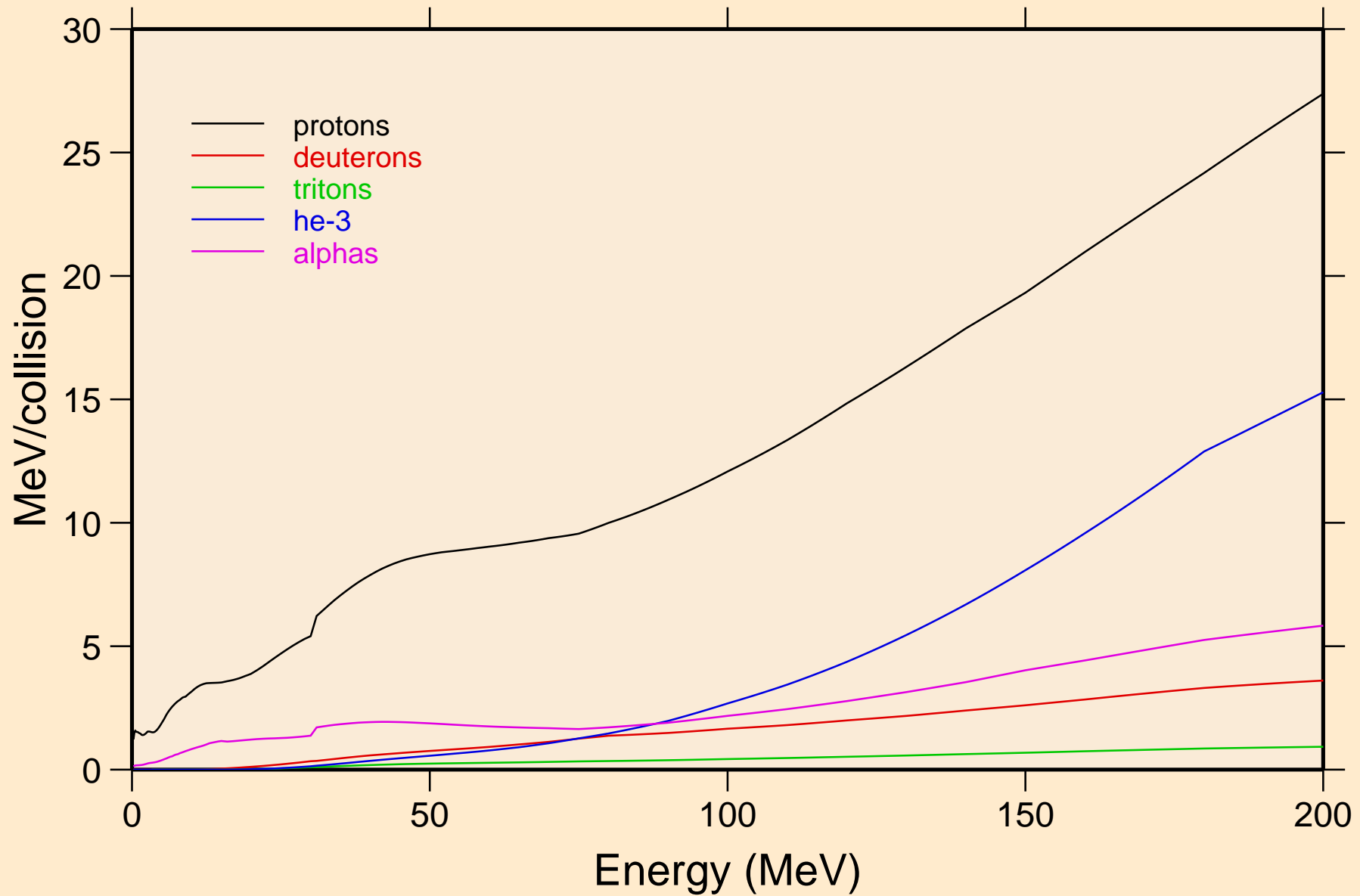


YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

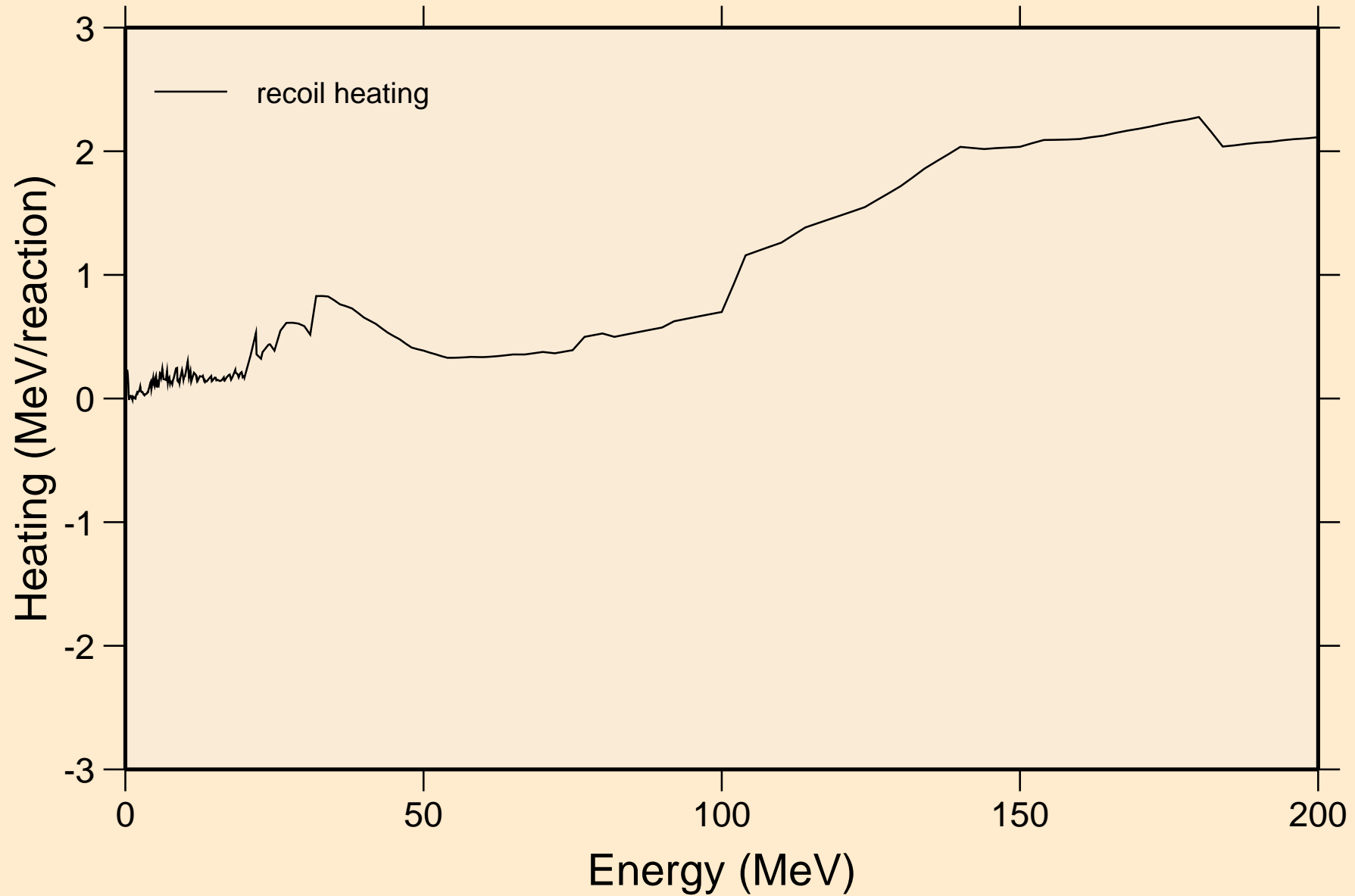


# YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

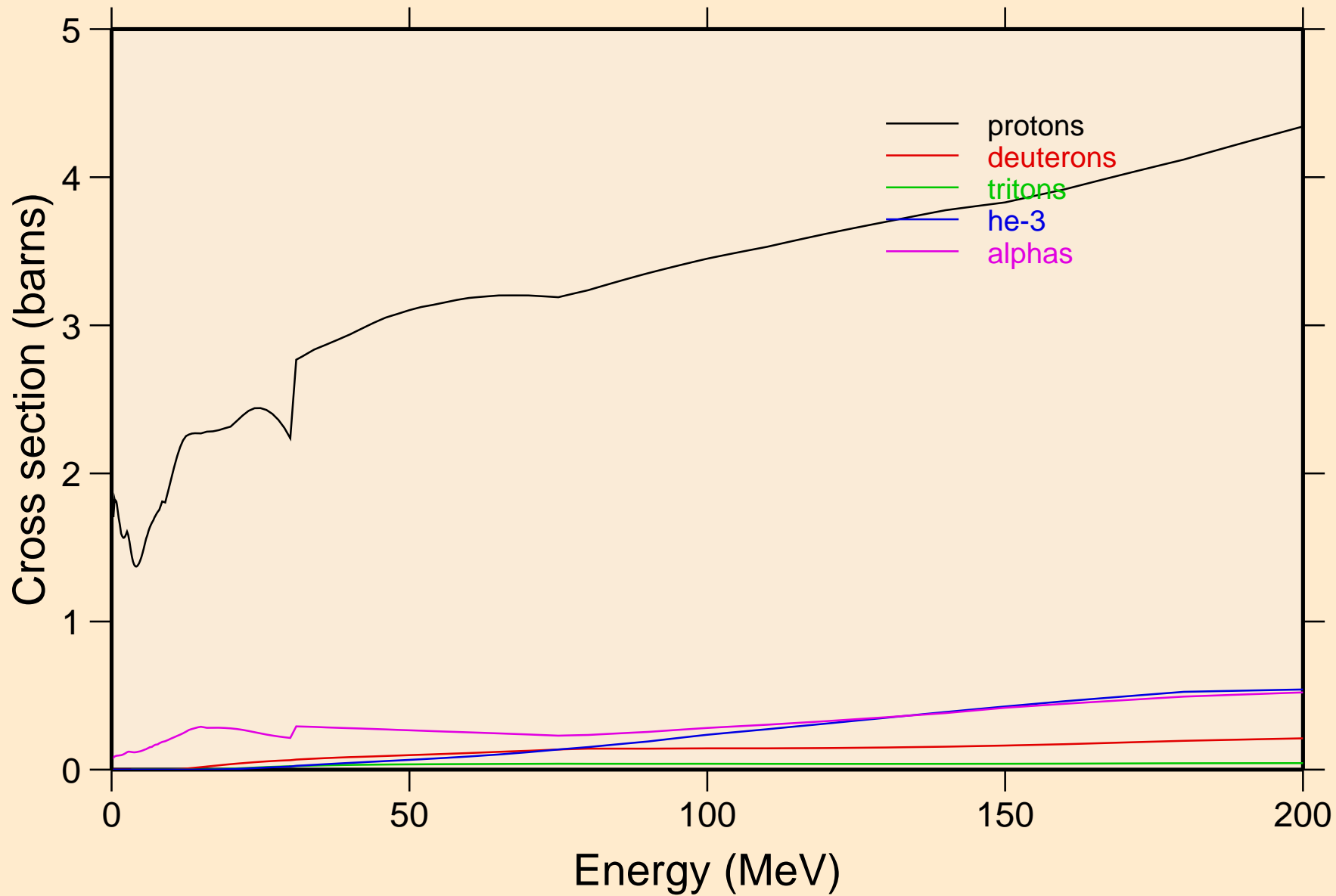
## Particle heating contributions



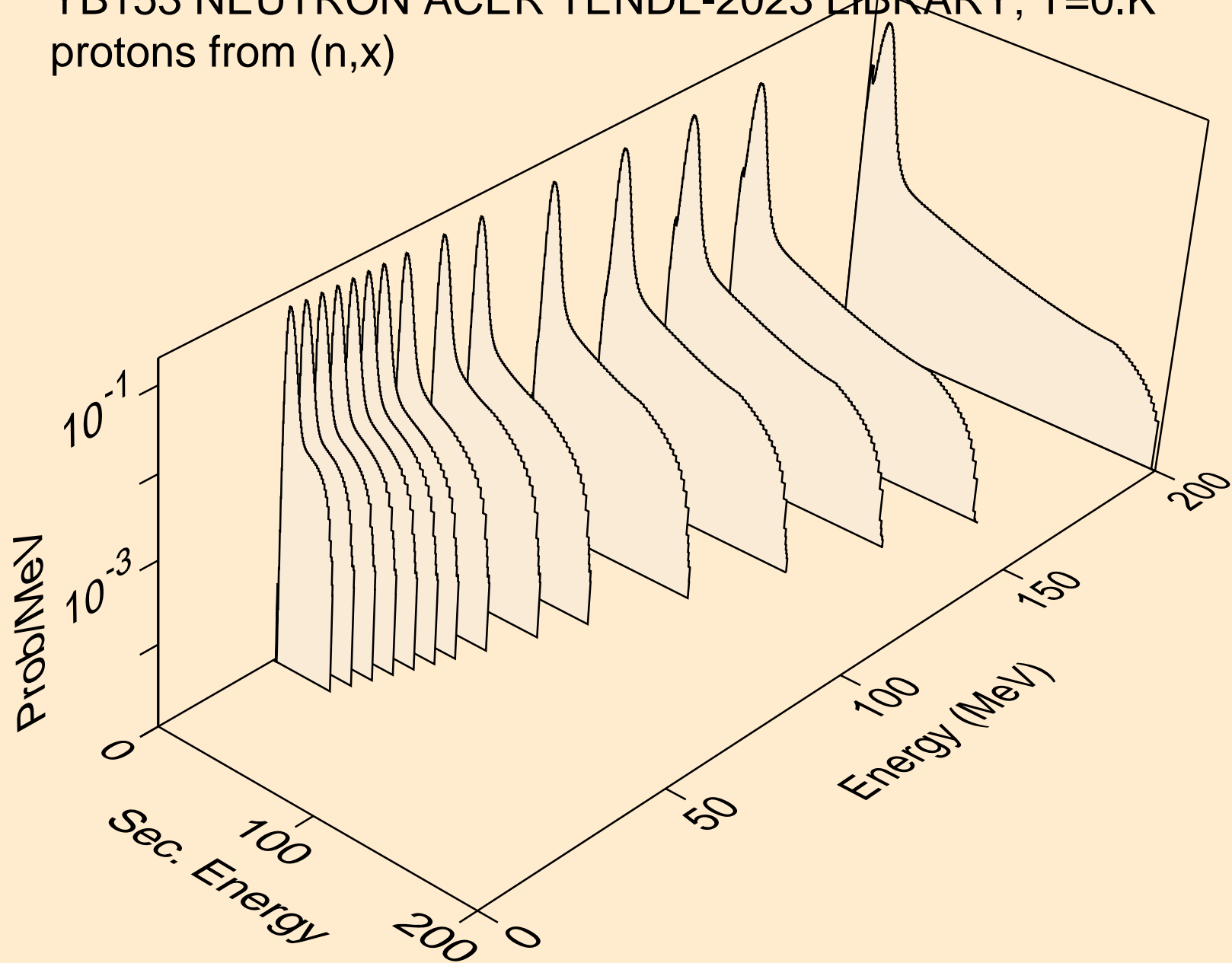
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



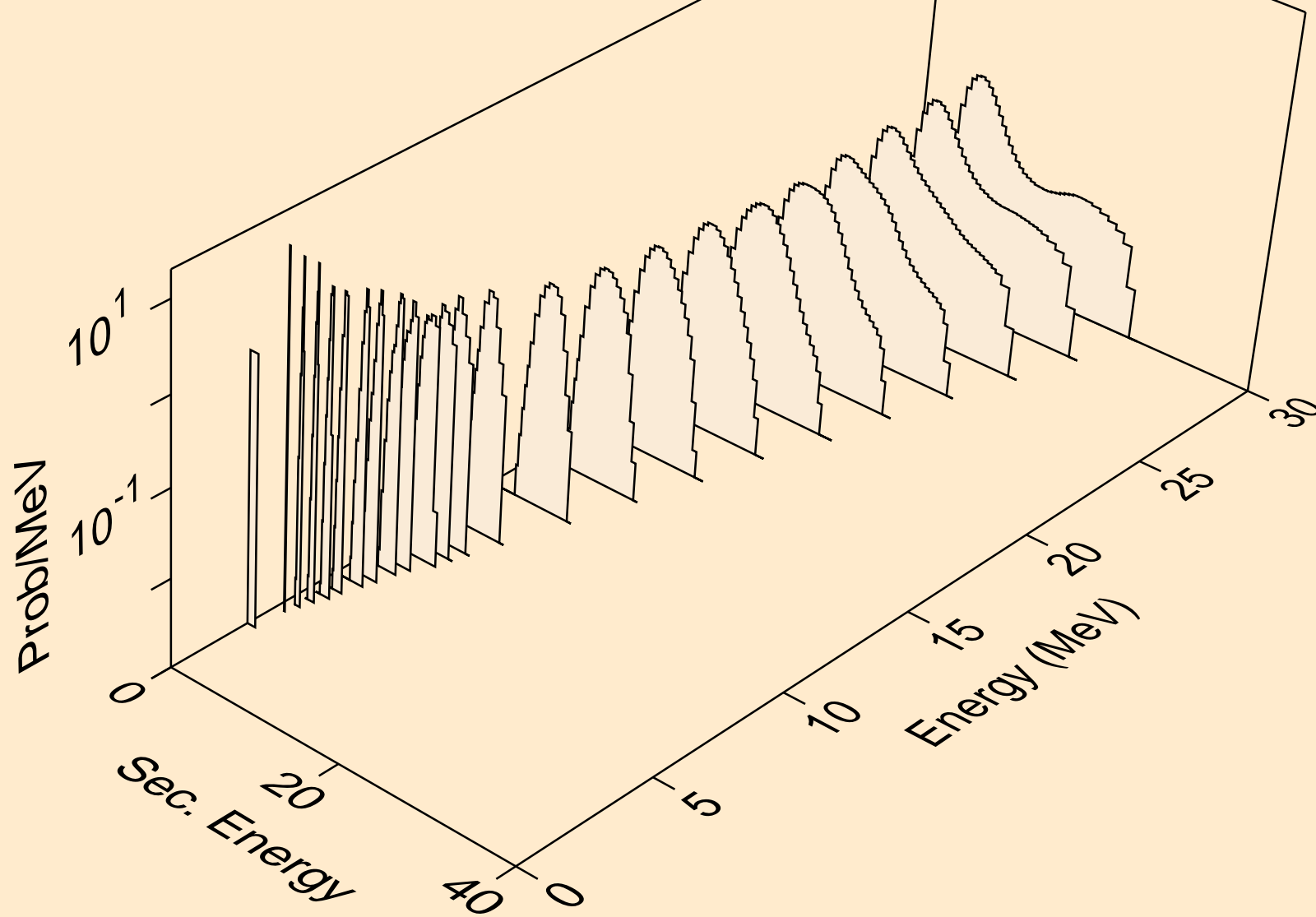
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



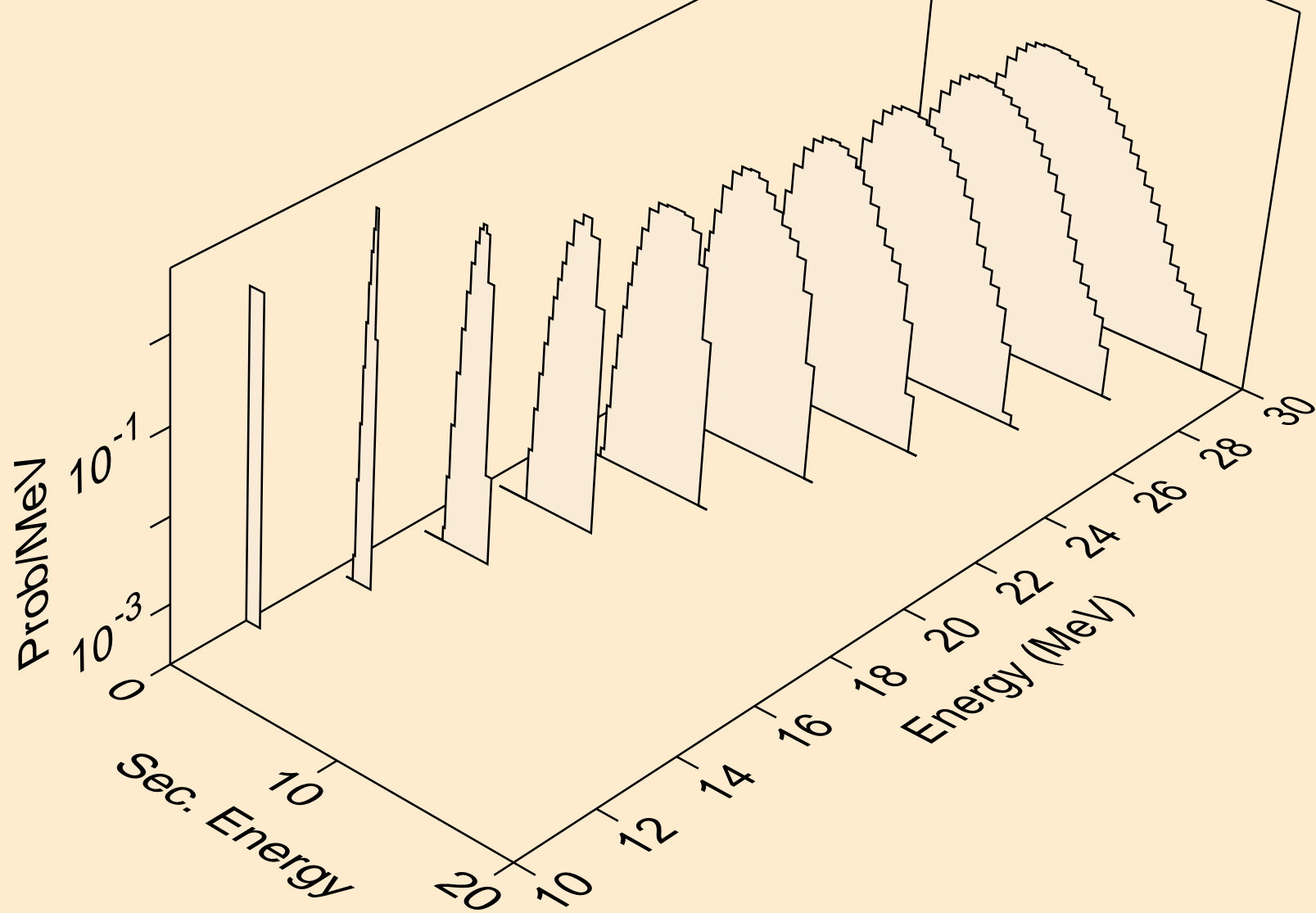
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



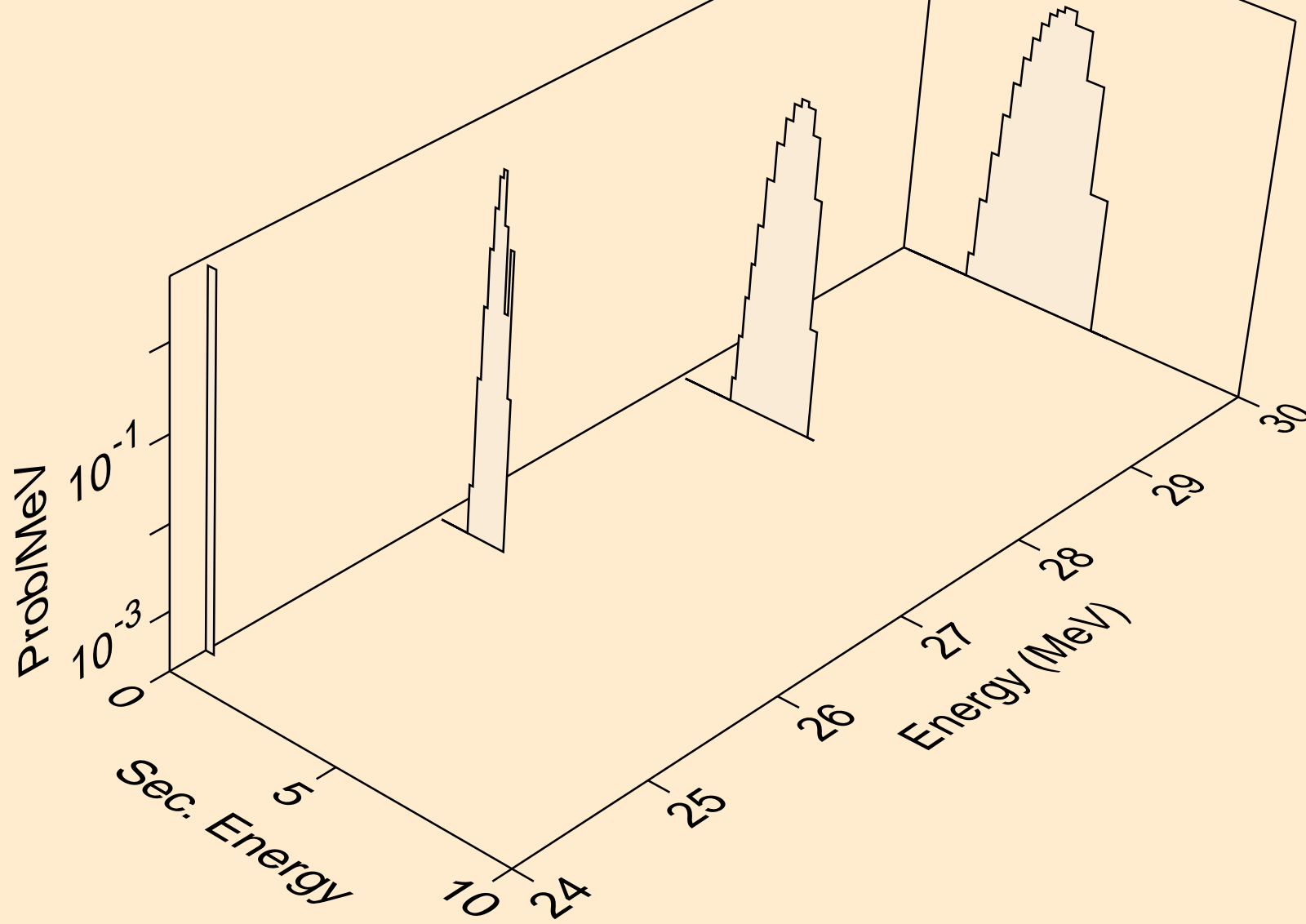
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



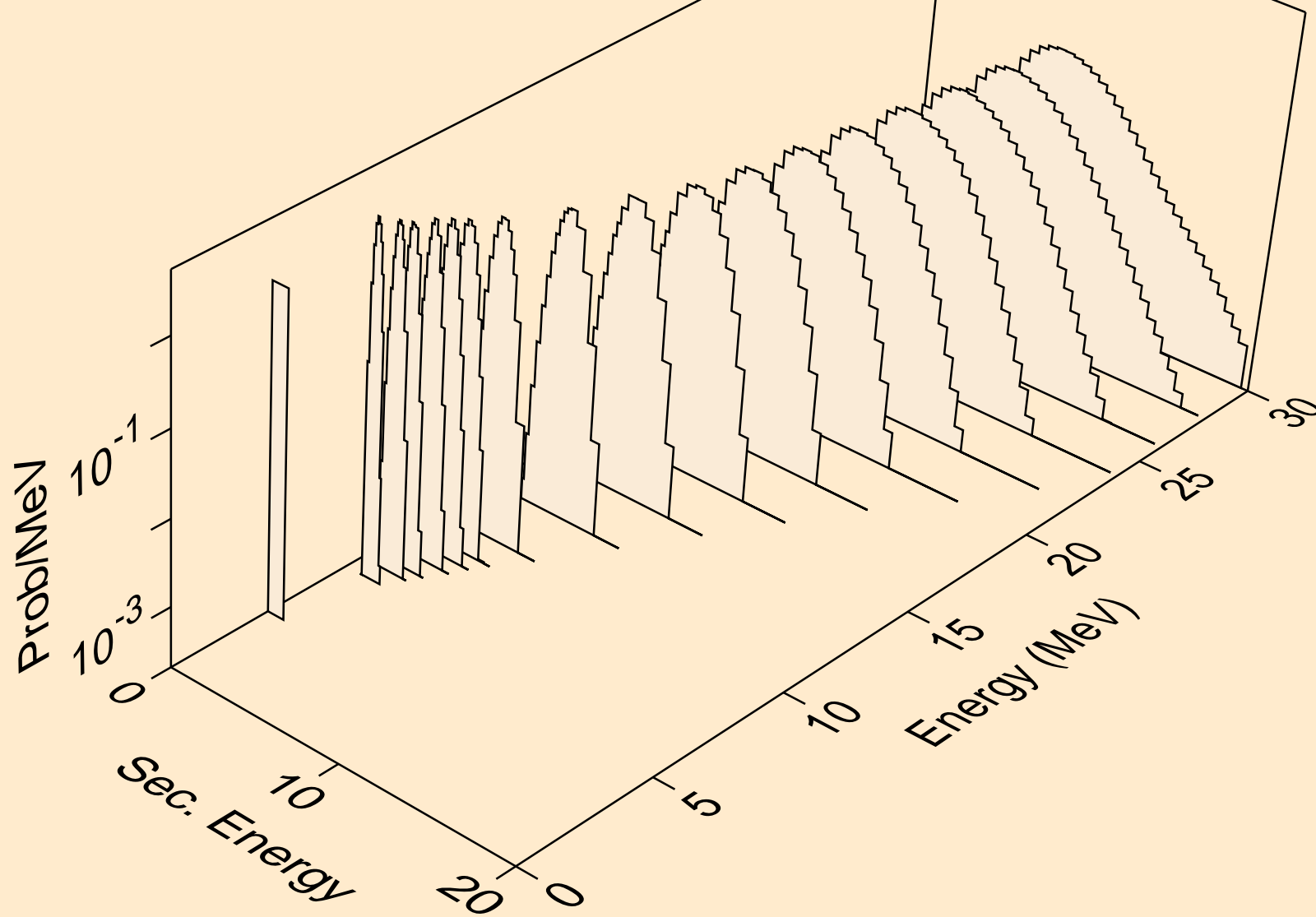
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



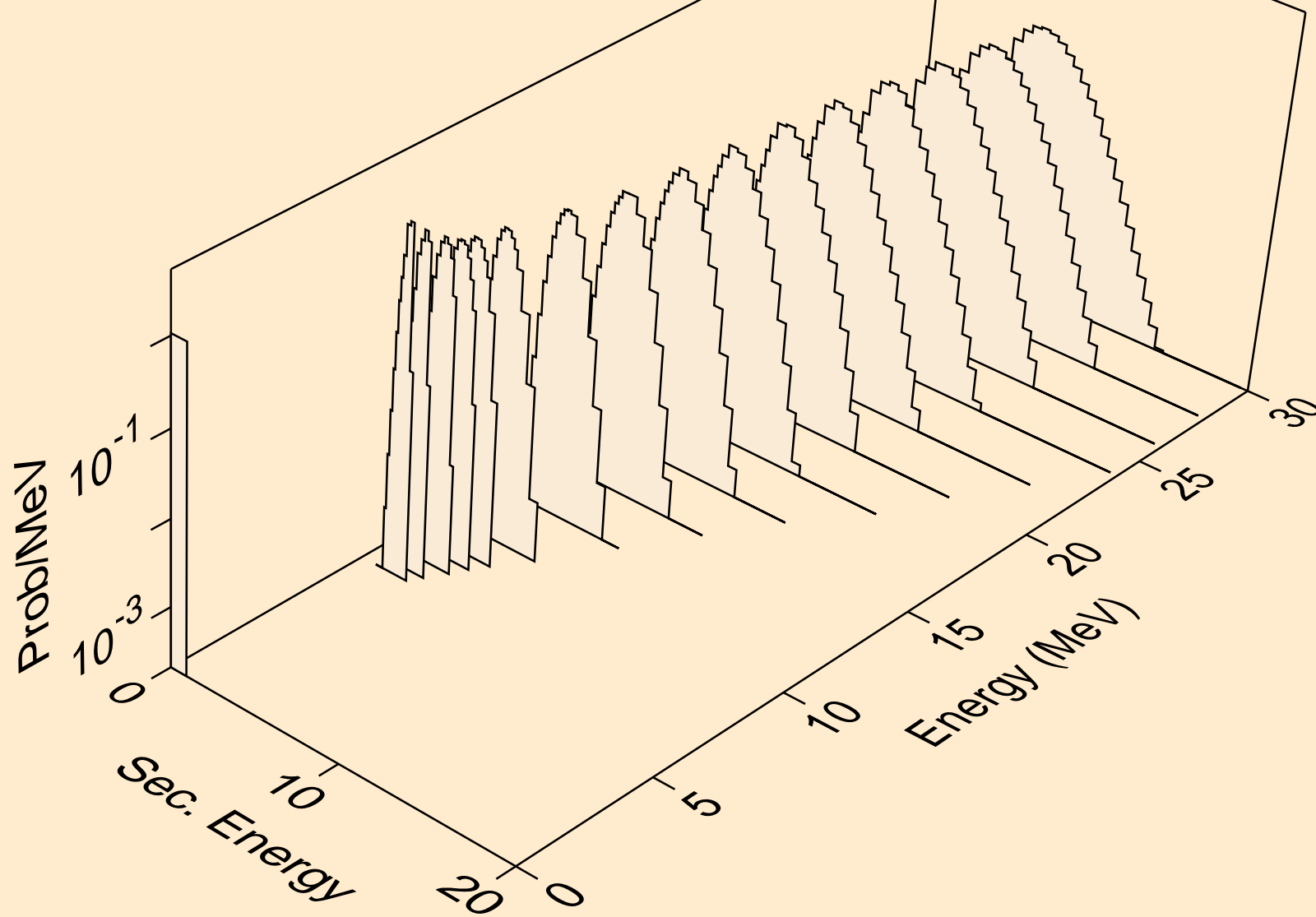
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protons from (n,3np)



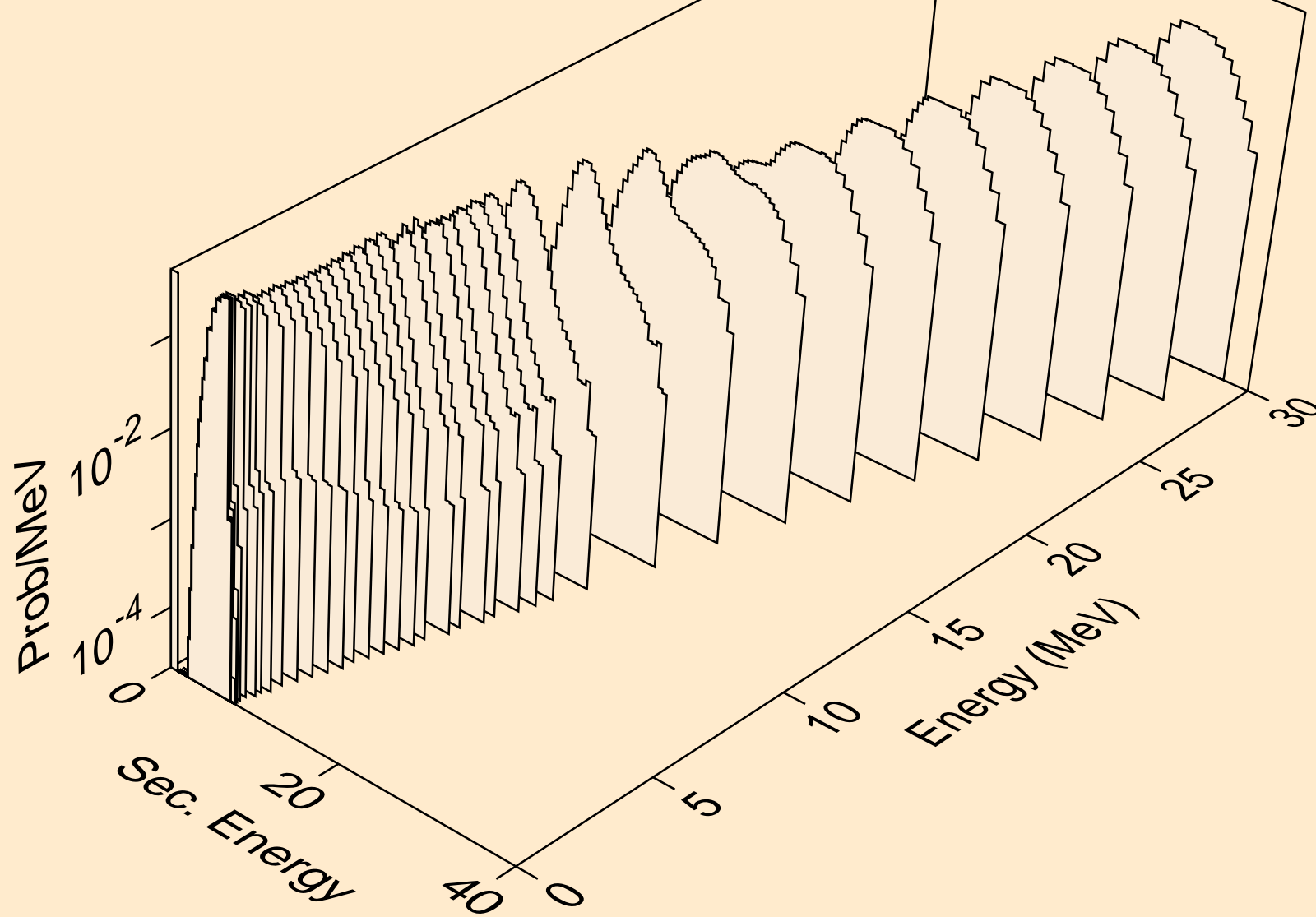
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protons from (n,n2p)



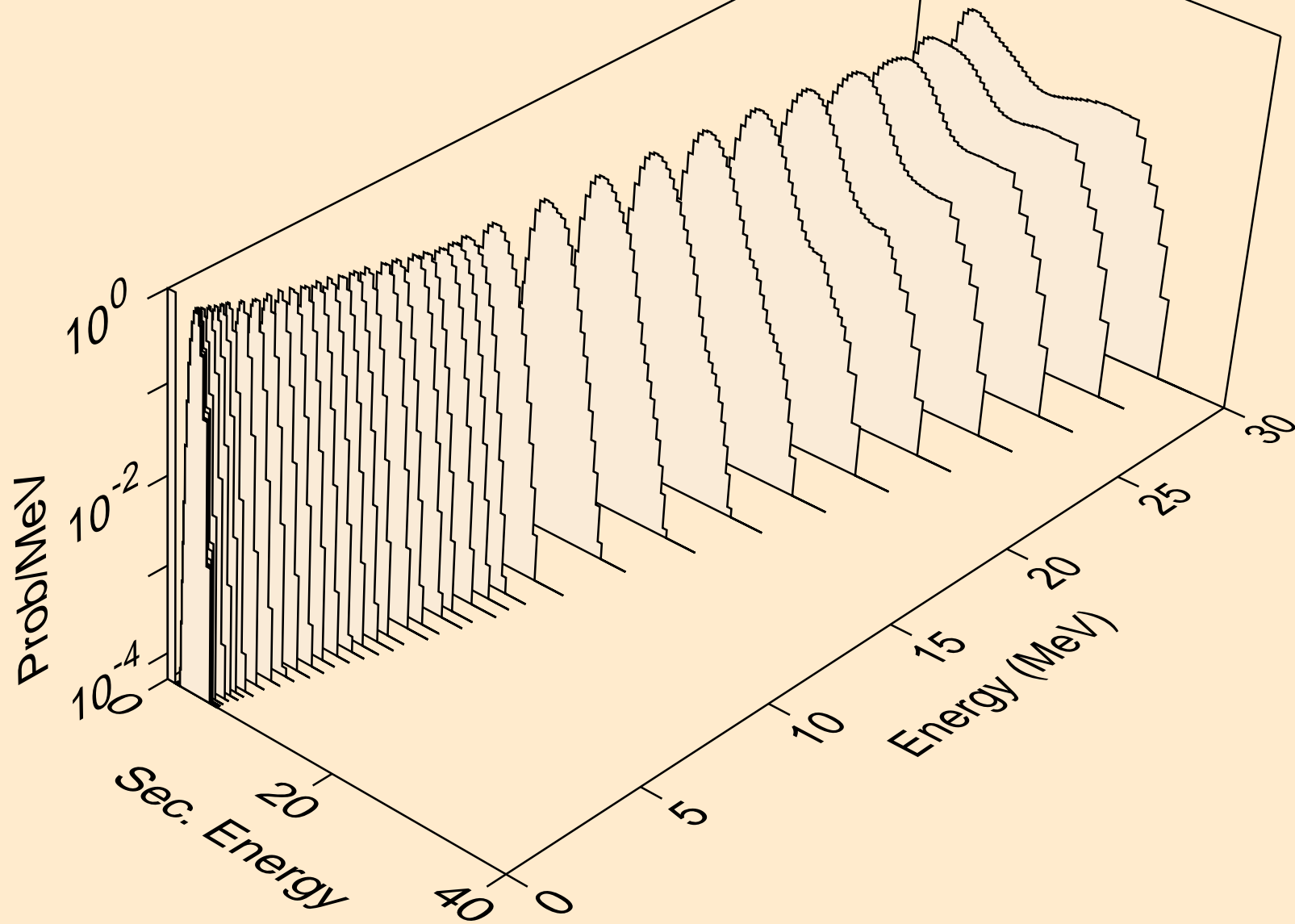
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protons from (n,npa)



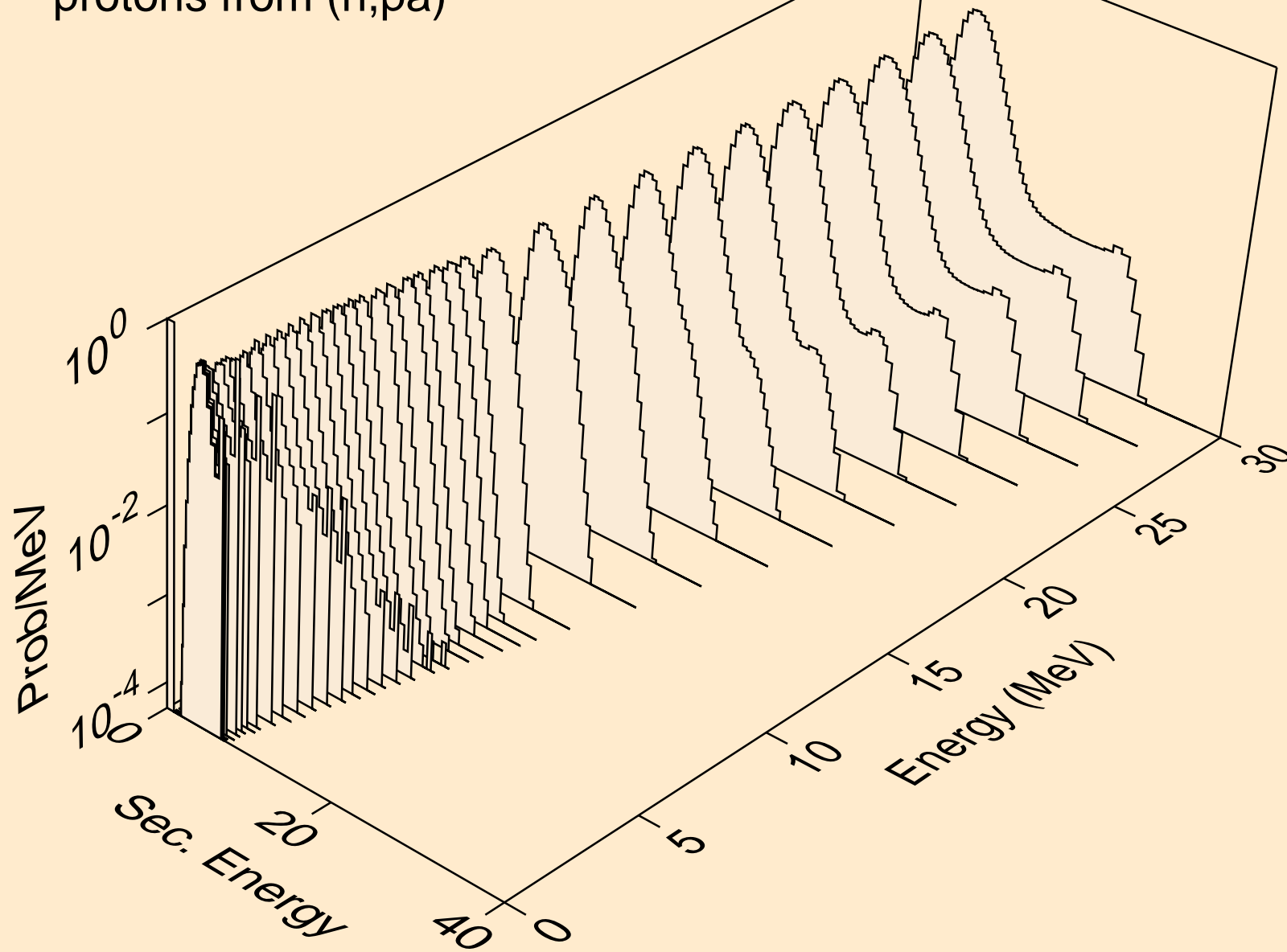
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protons from (n,p)



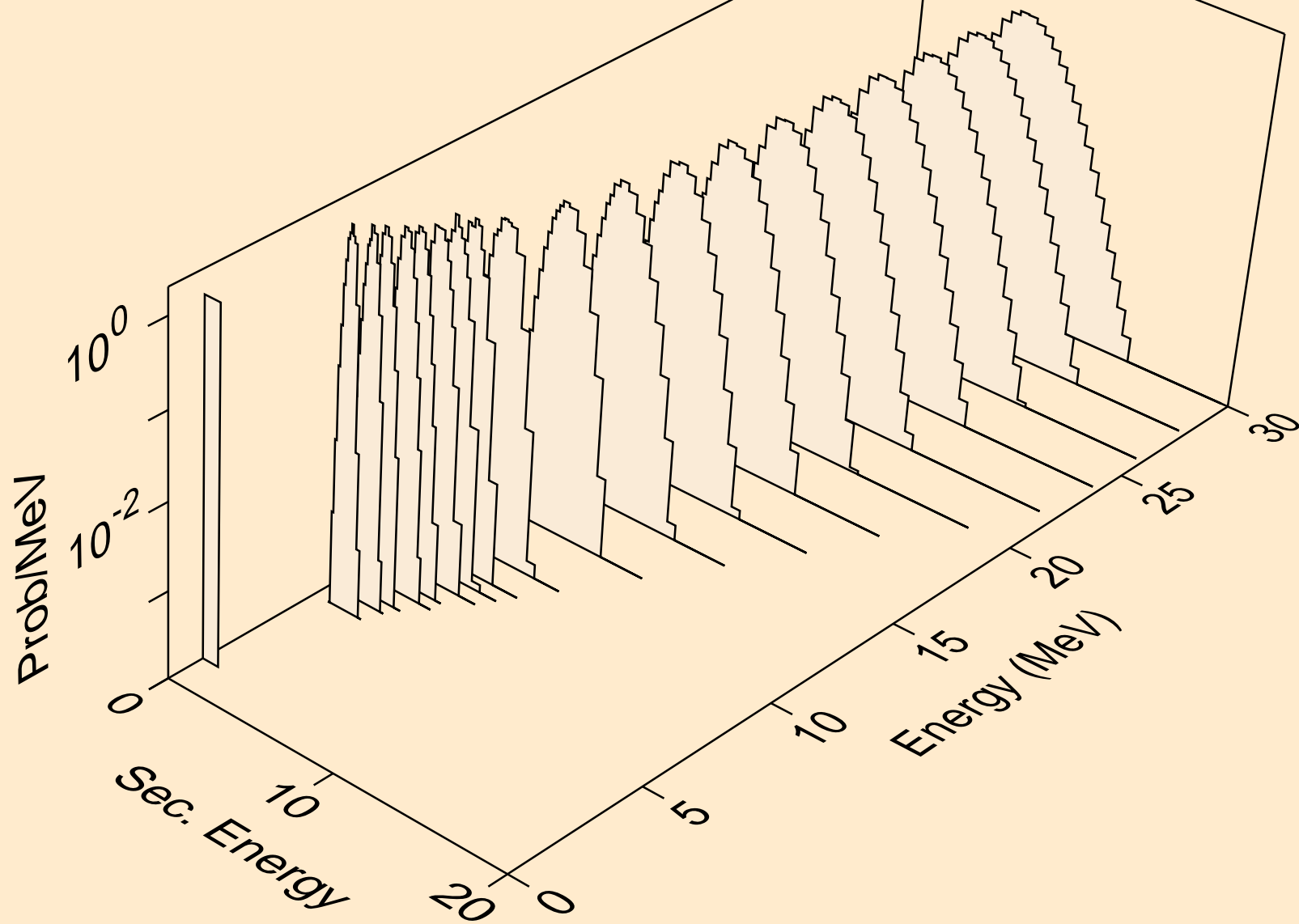
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protons from (n,2p)



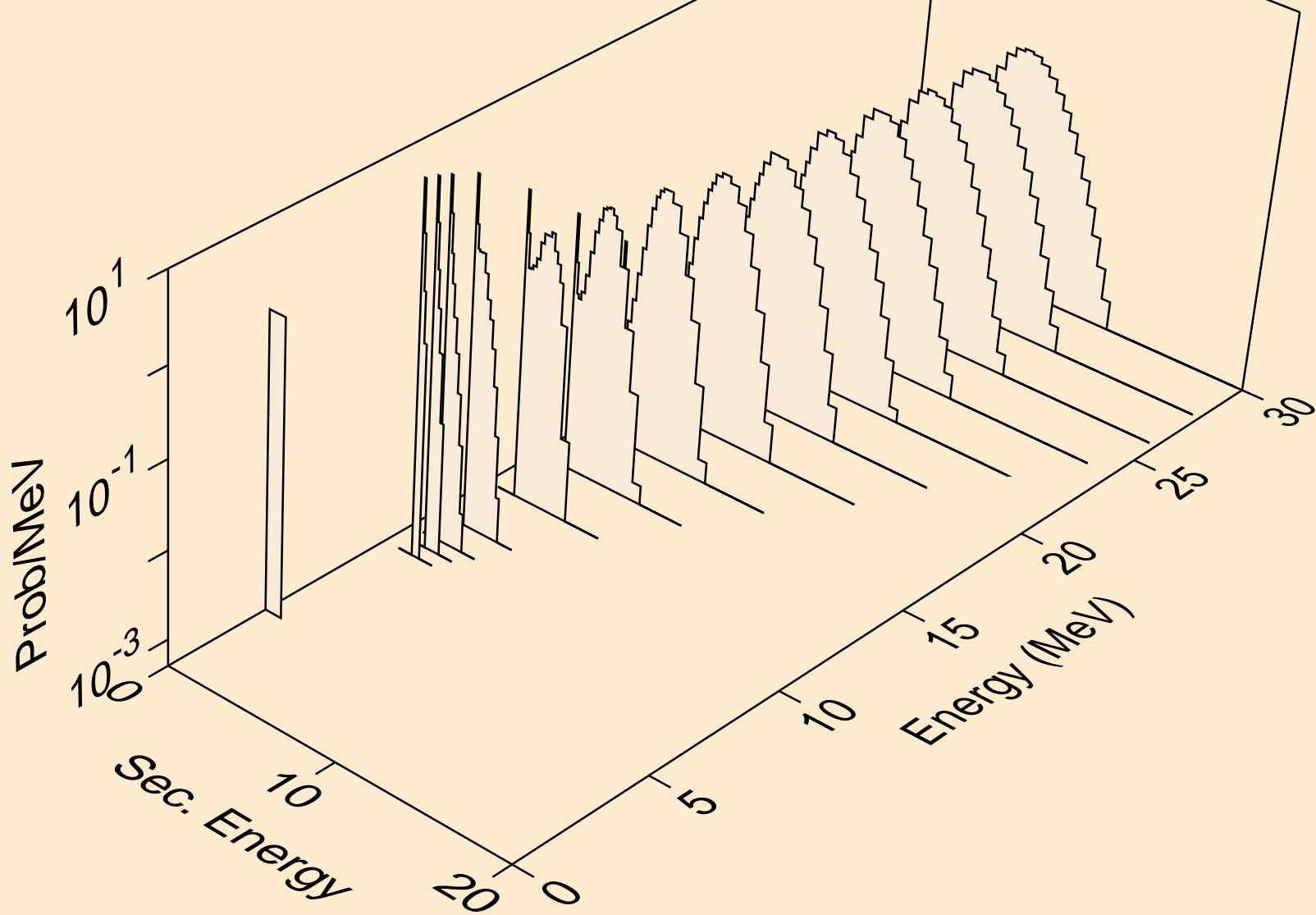
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protons from (n,p)



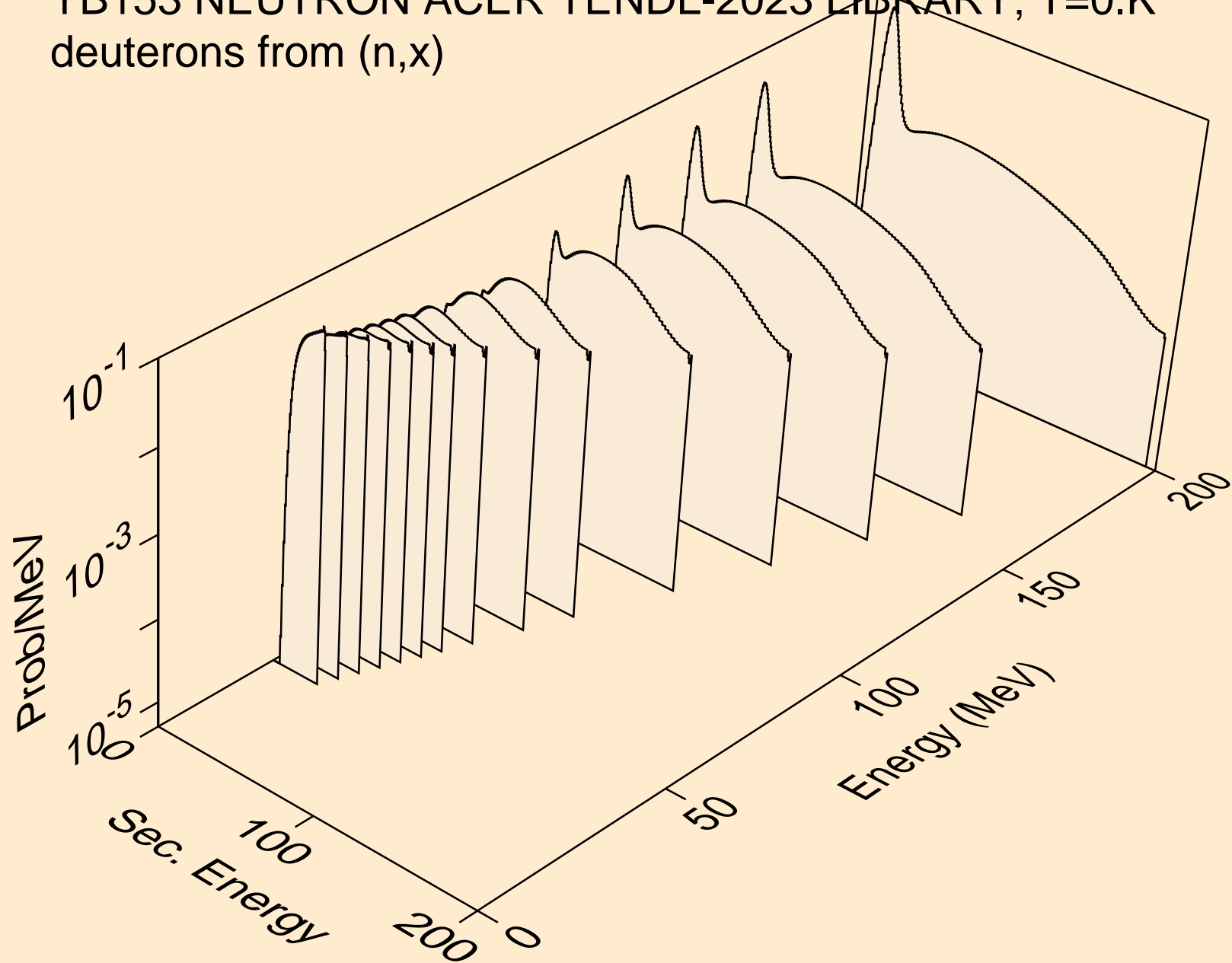
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protons from (n,pd)



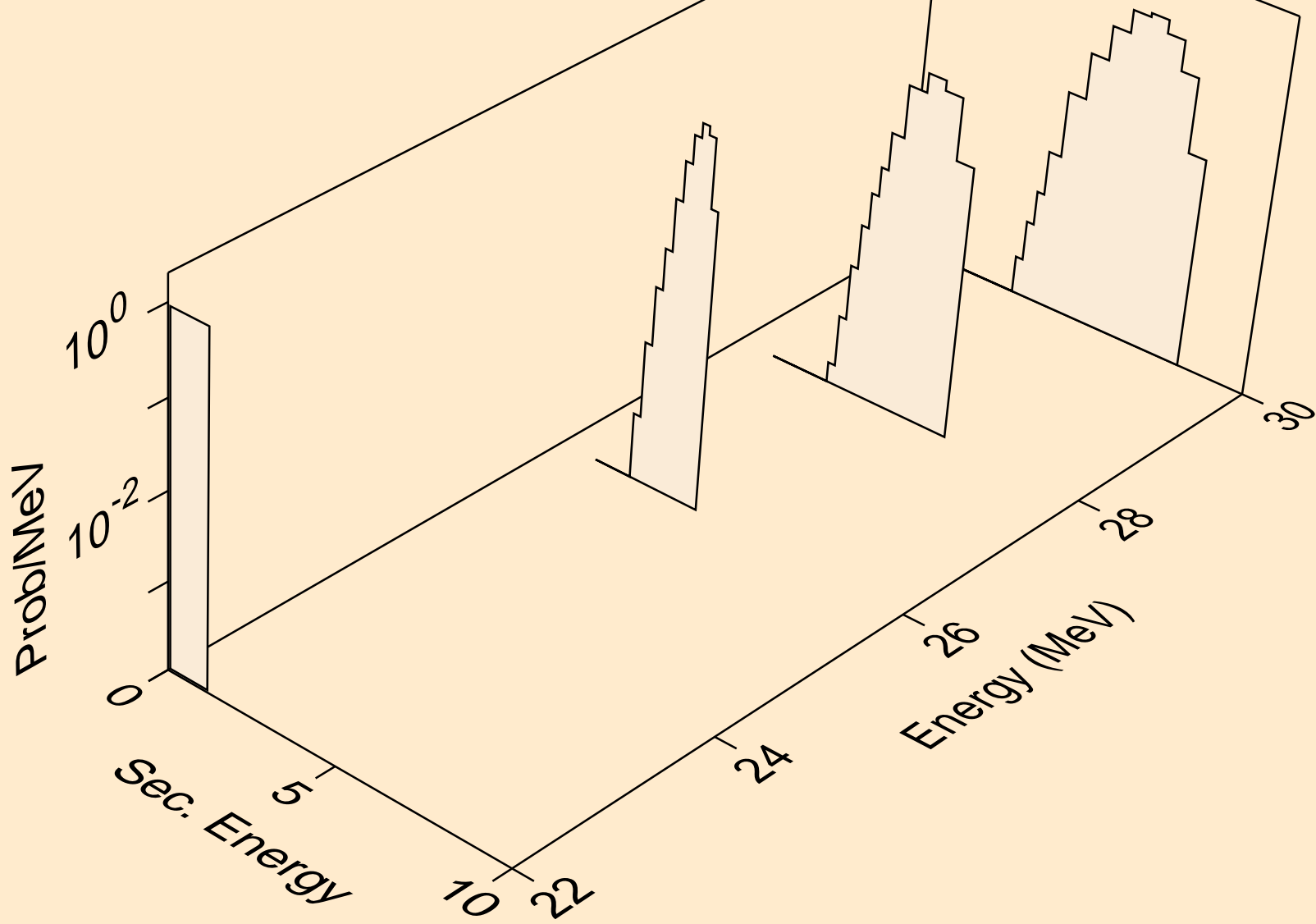
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protons from (n,pt)



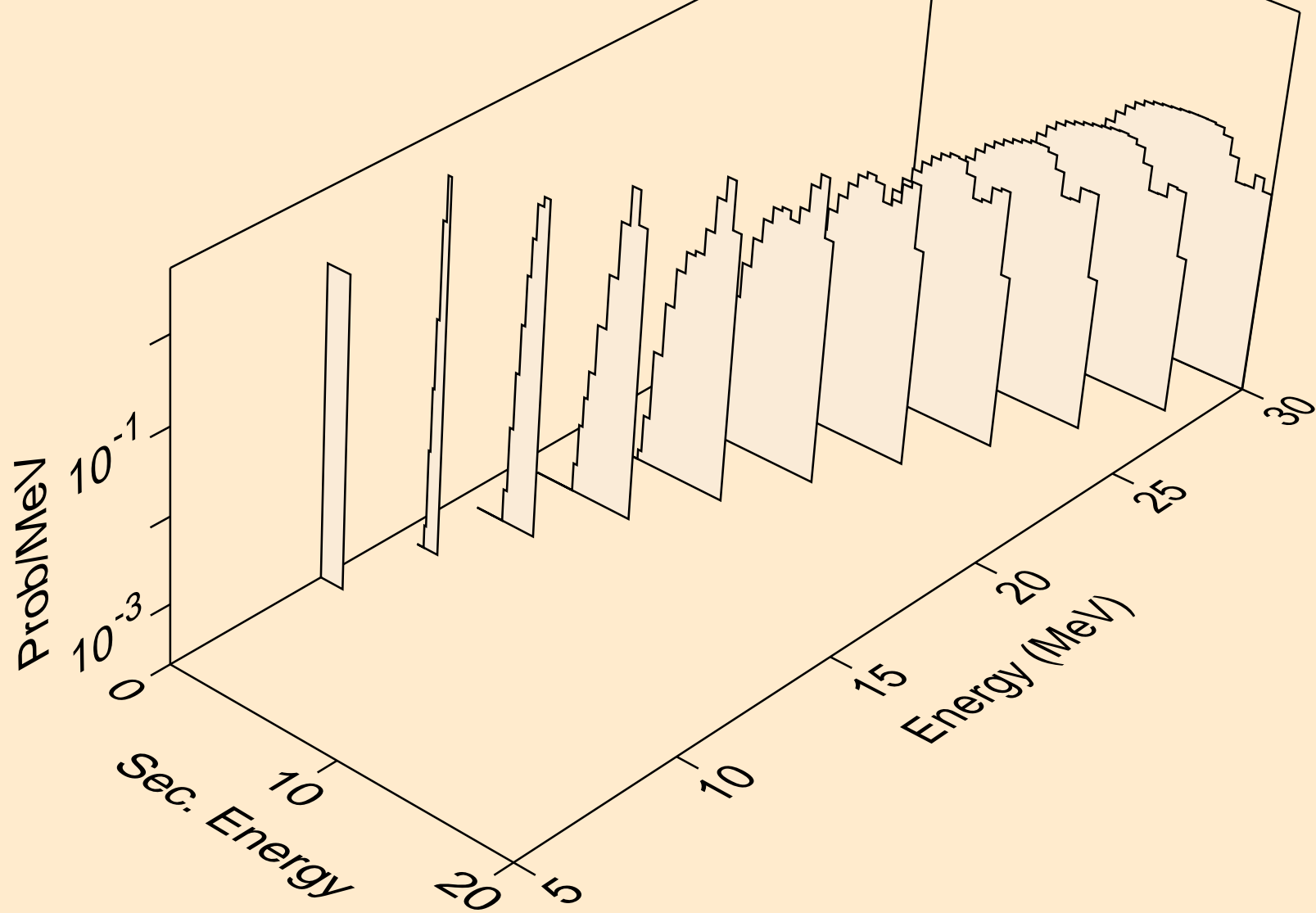
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deuterons from (n,x)



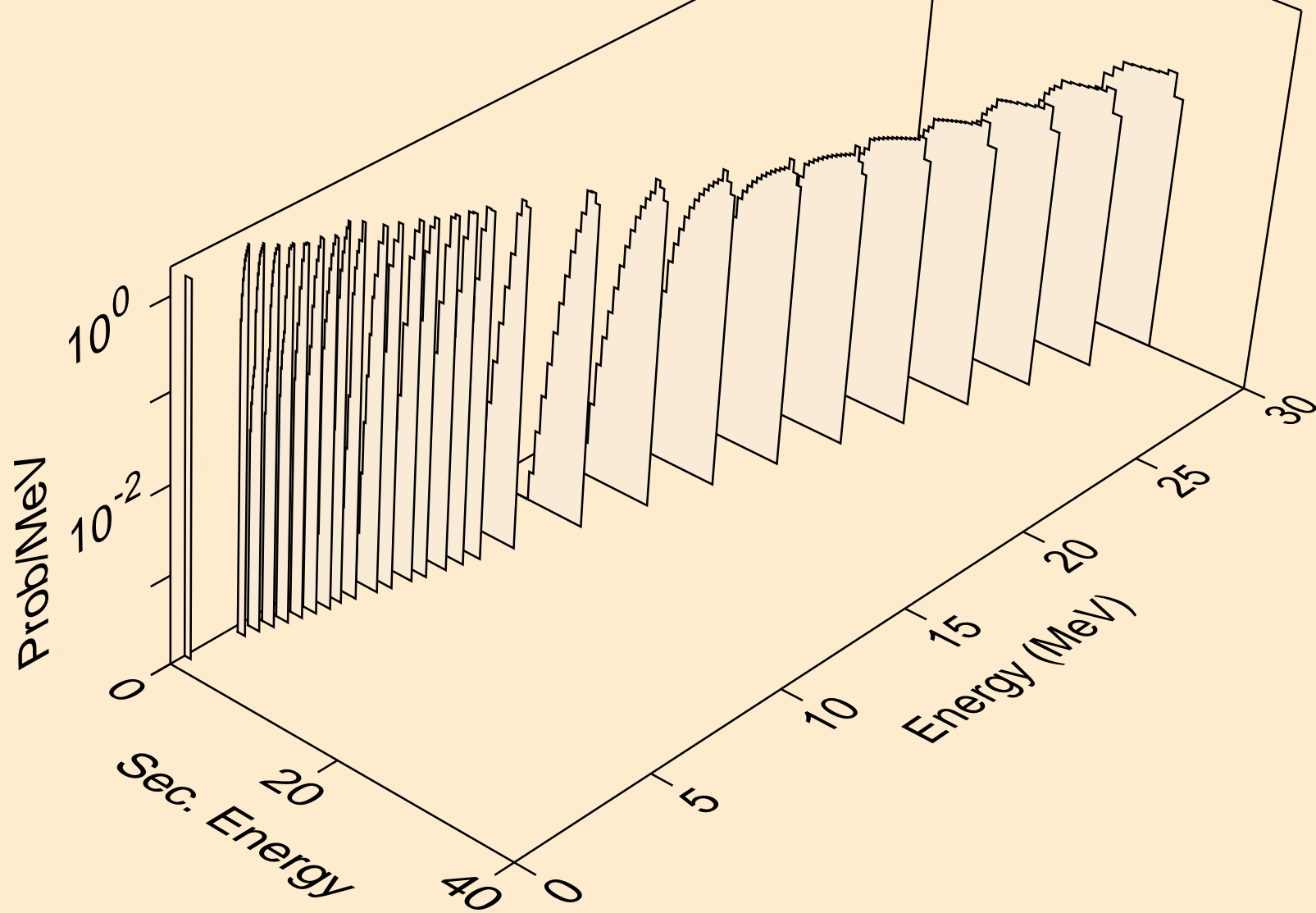
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deuterons from (n,2nd)



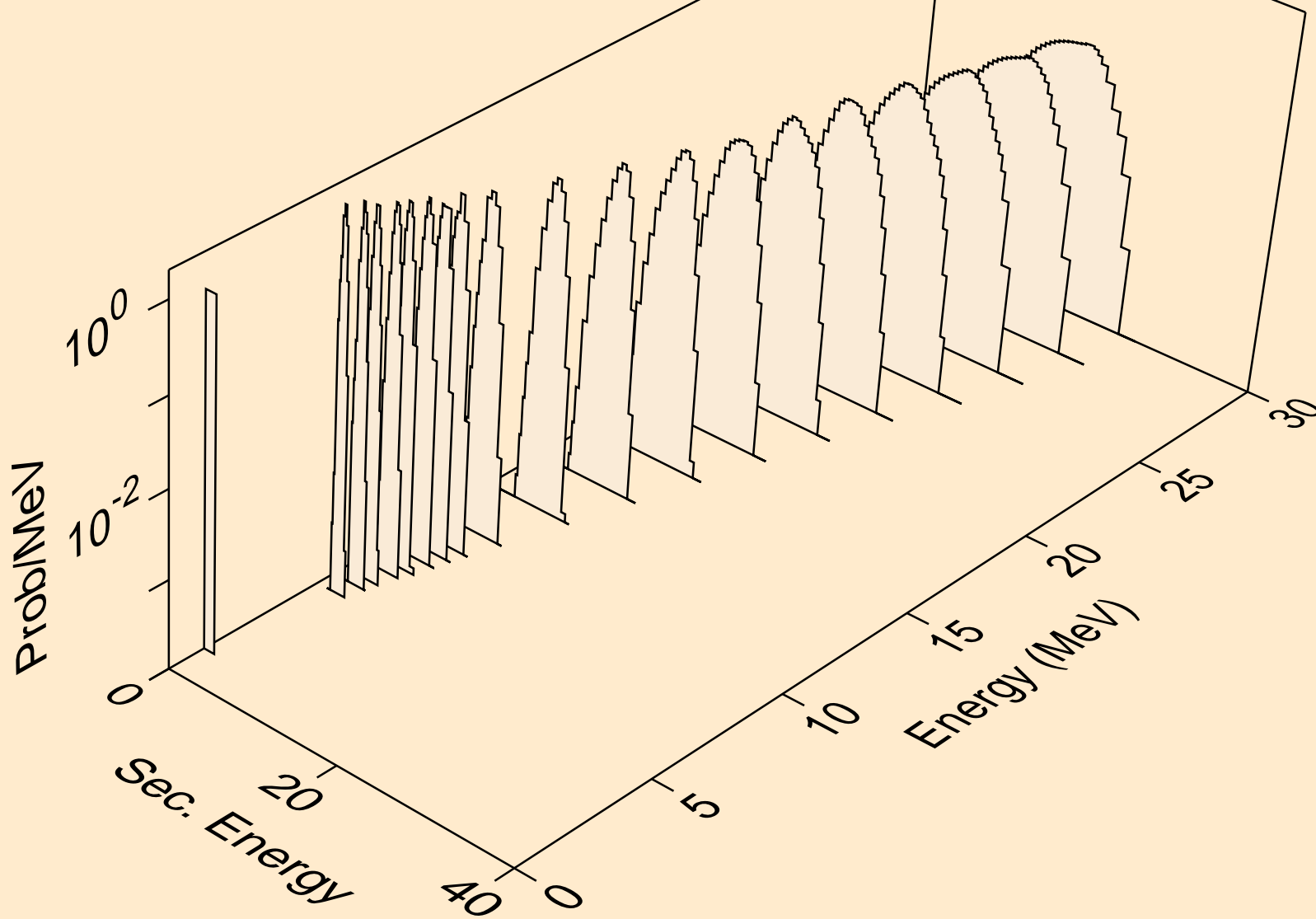
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deuterons from (n,n\*)d



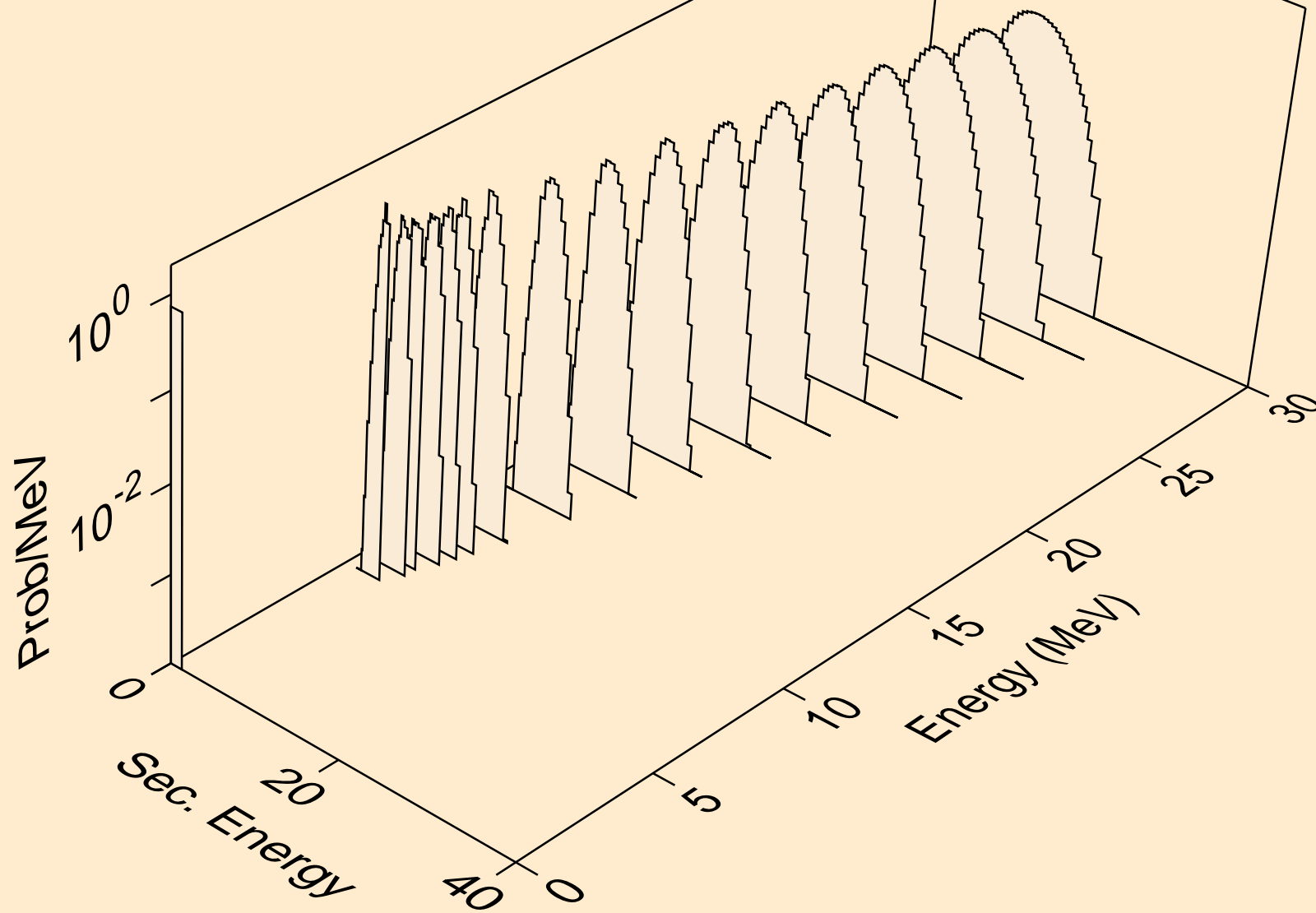
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deuterons from (n,d)



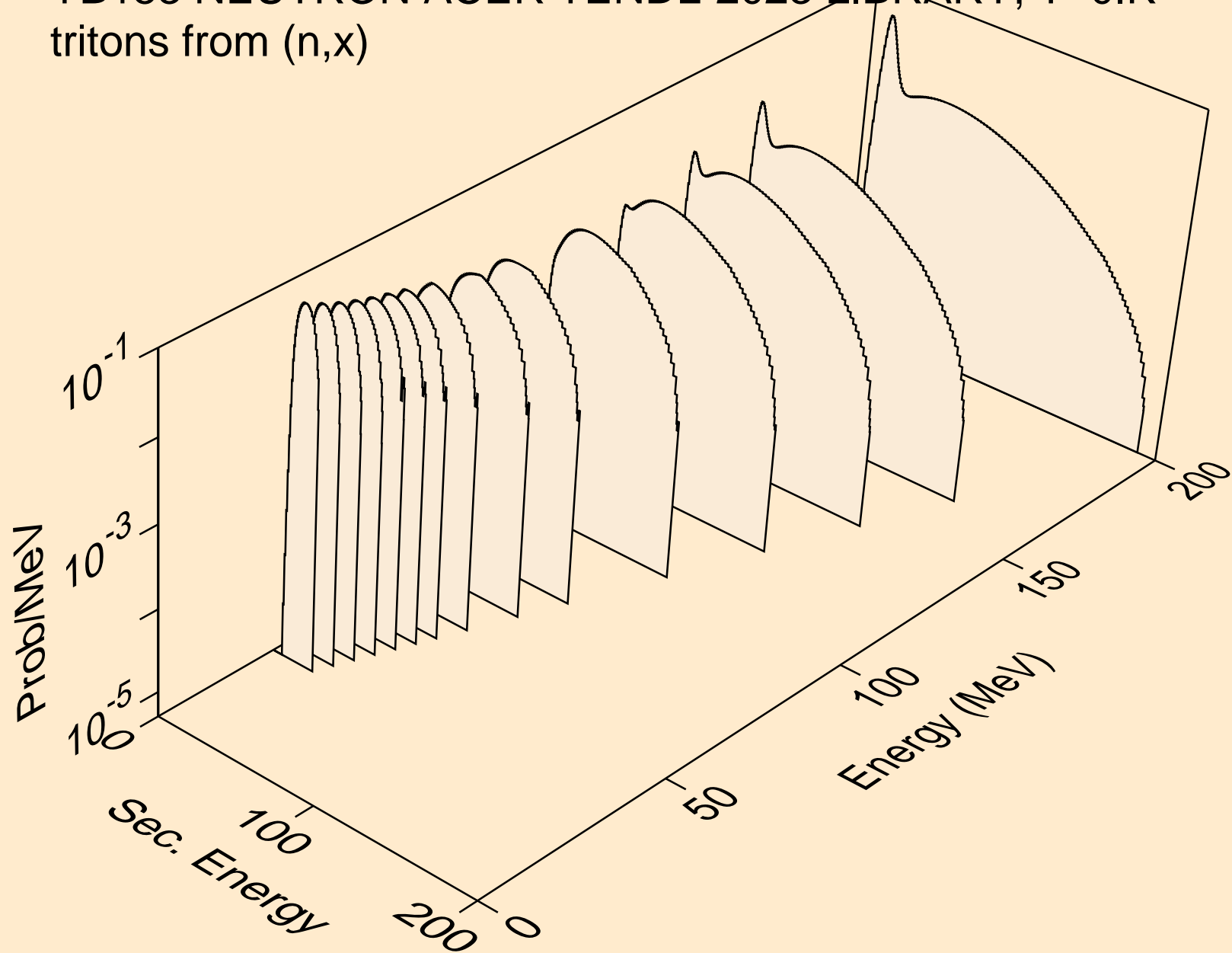
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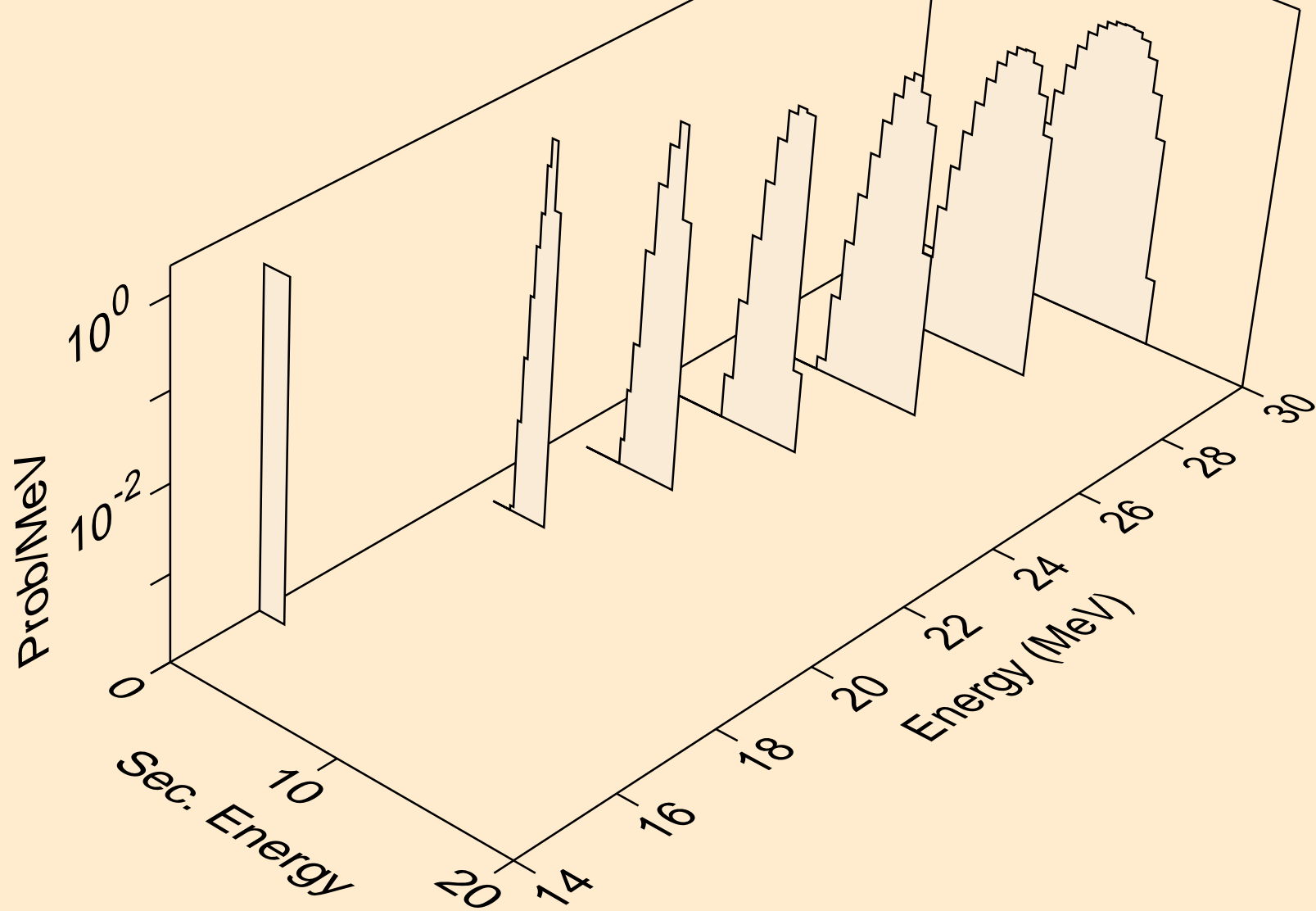
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deuterons from (n,da)



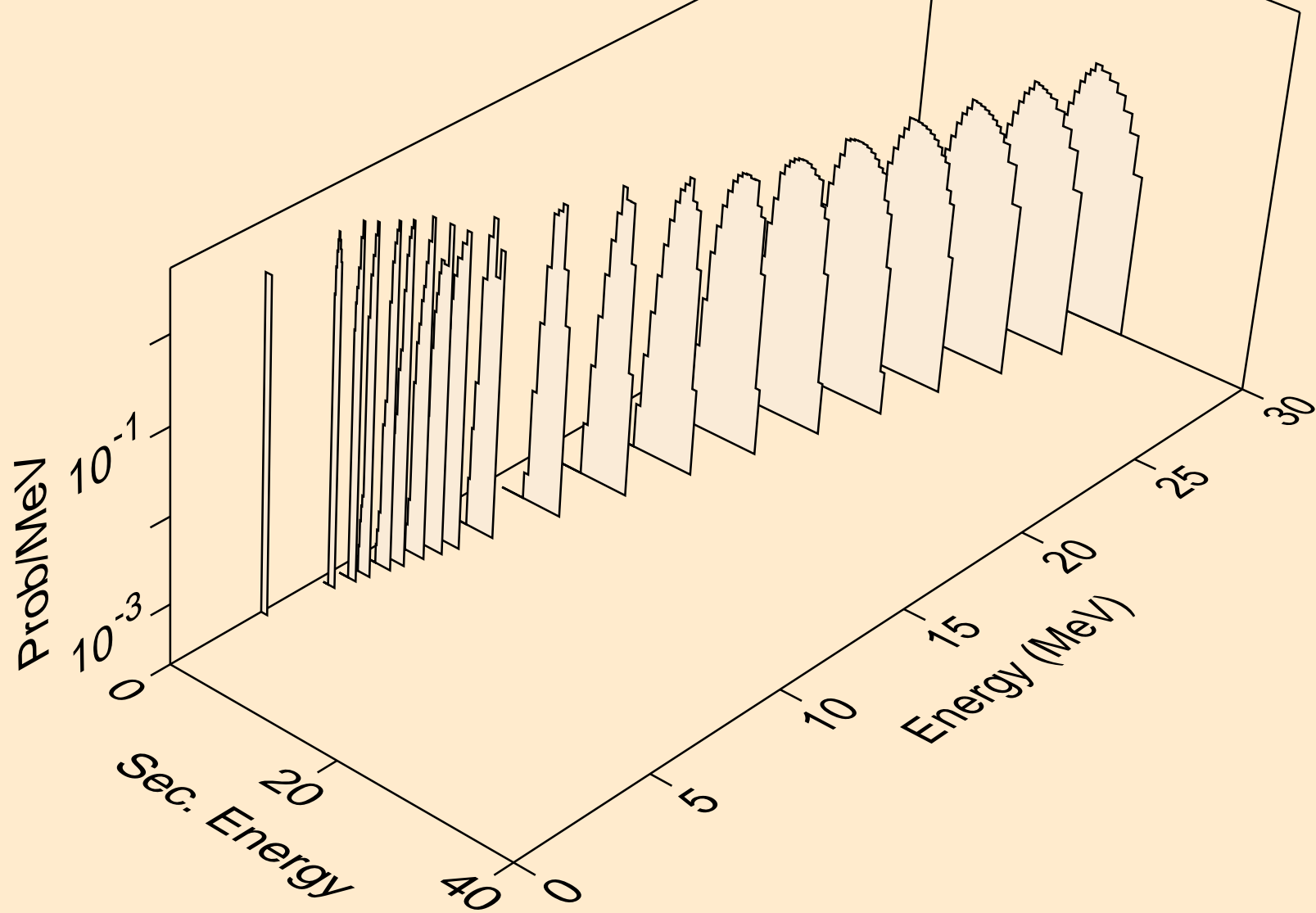
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



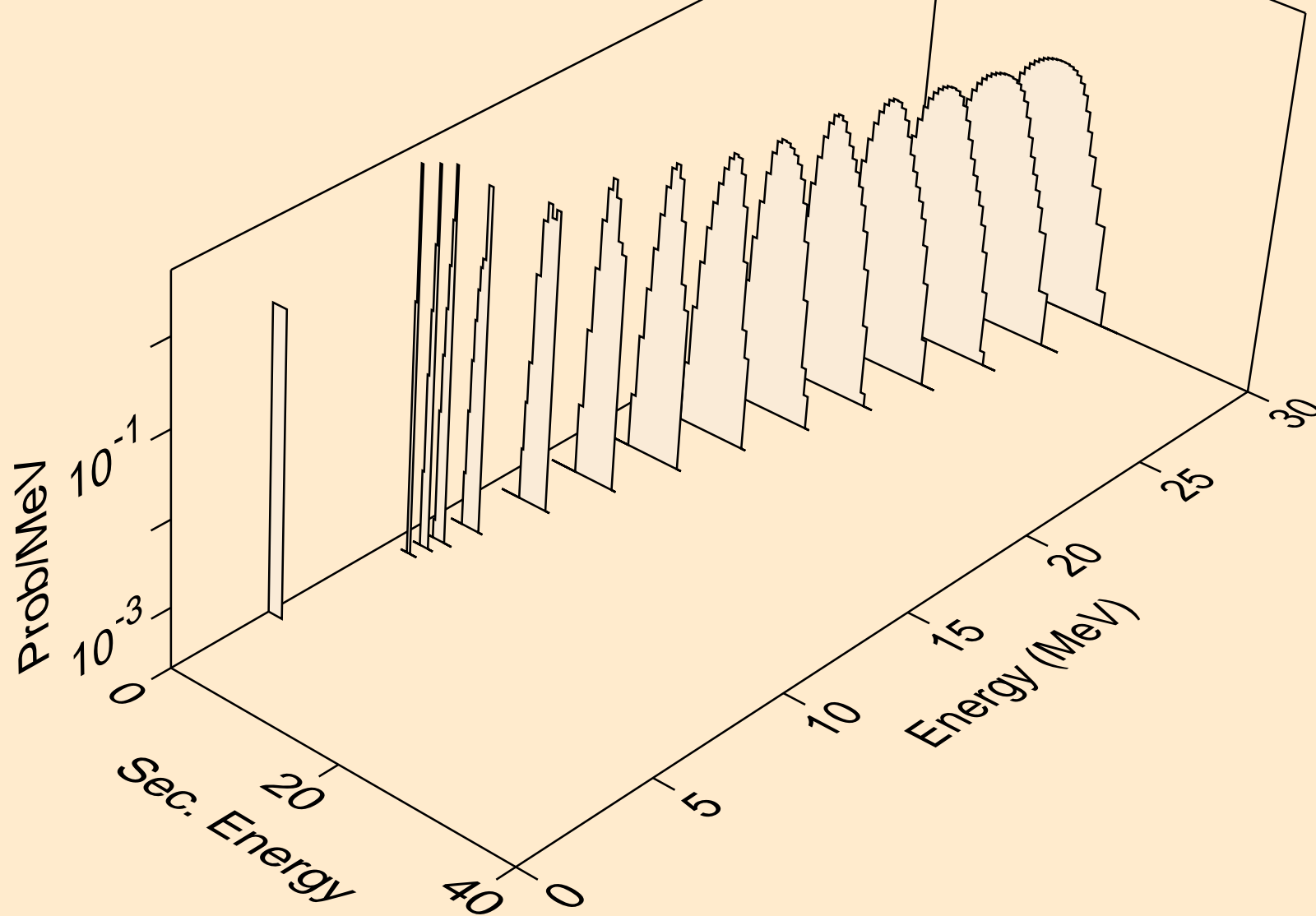
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



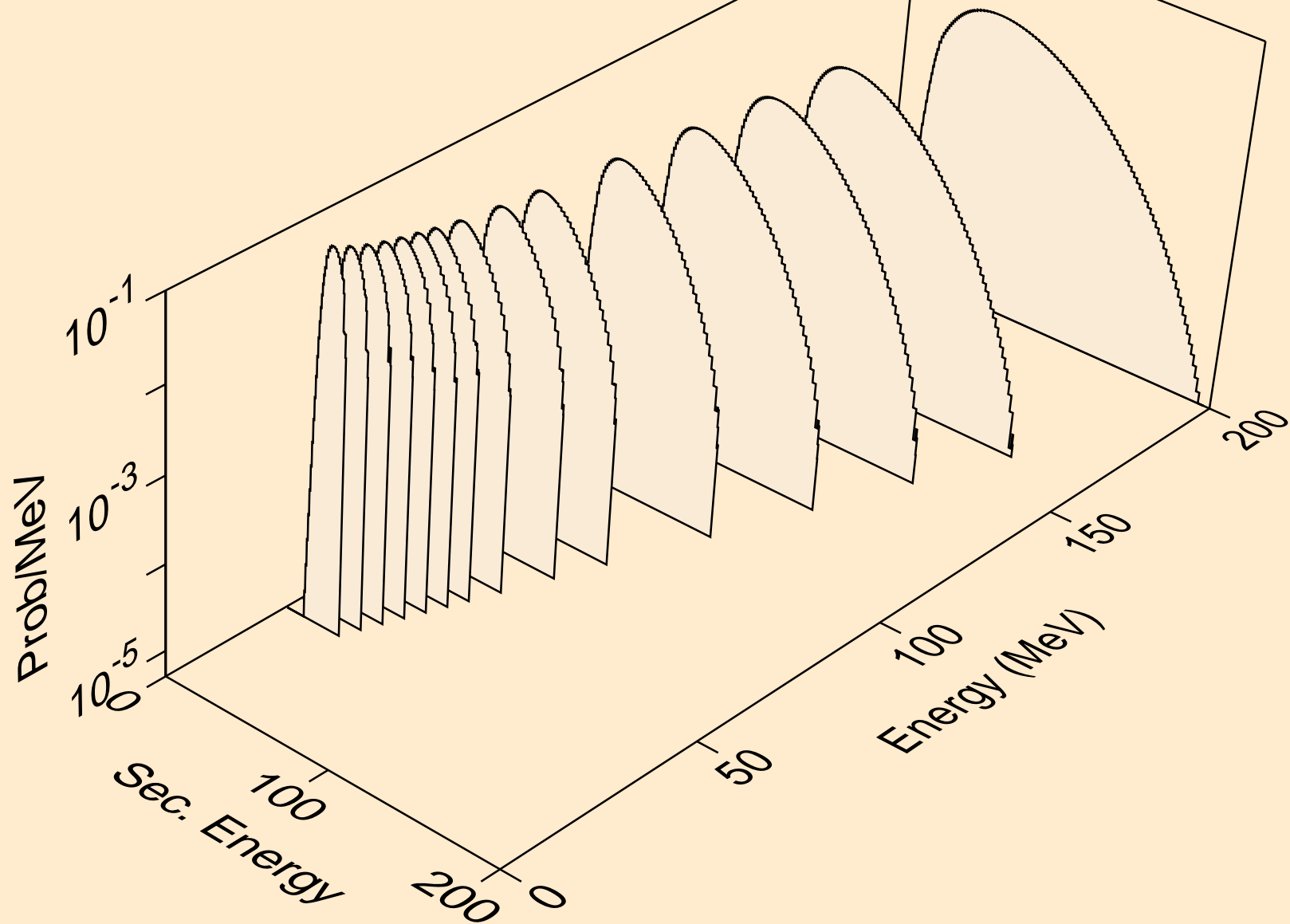
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tritons from (n,t)



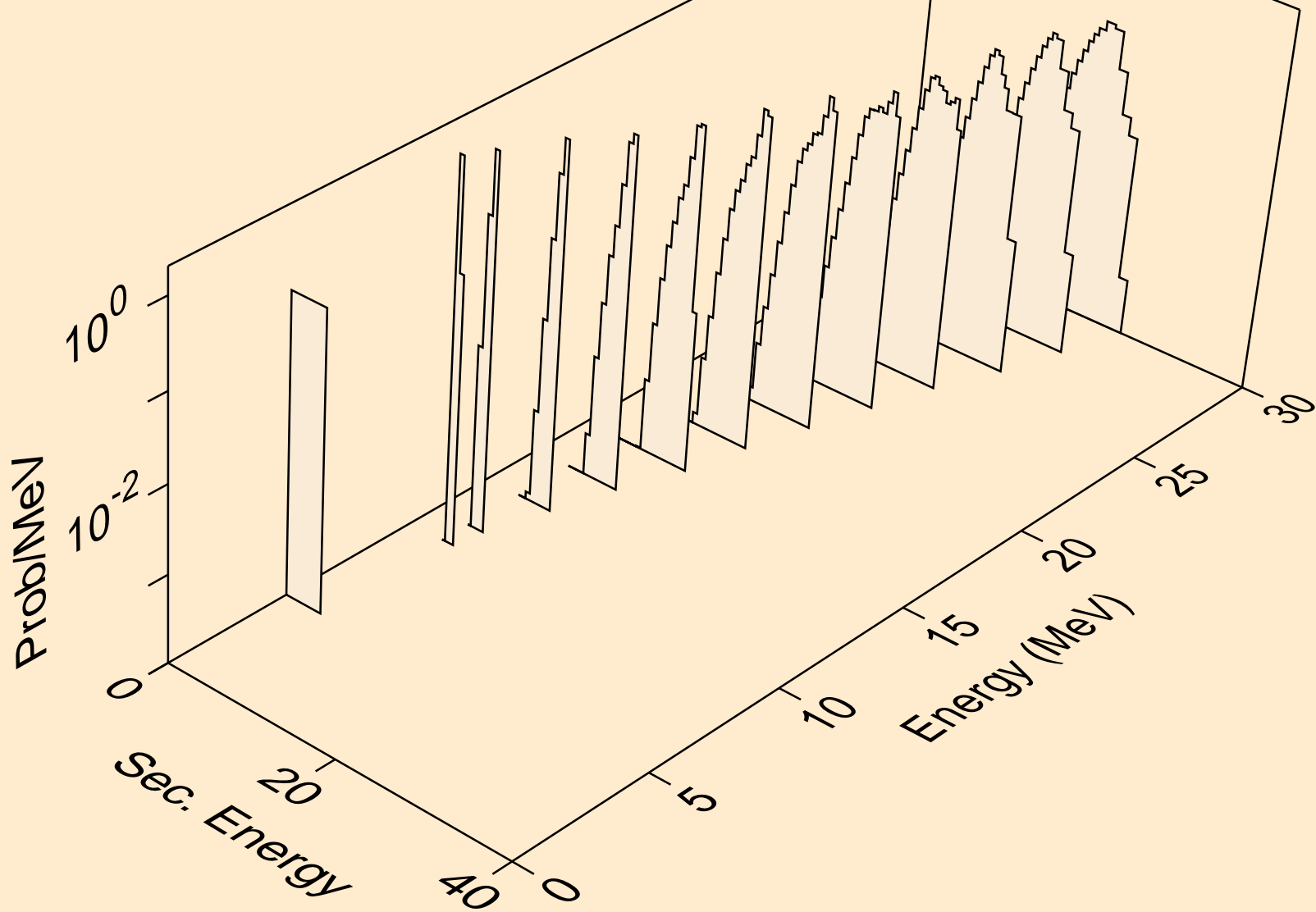
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tritons from (n,pt)



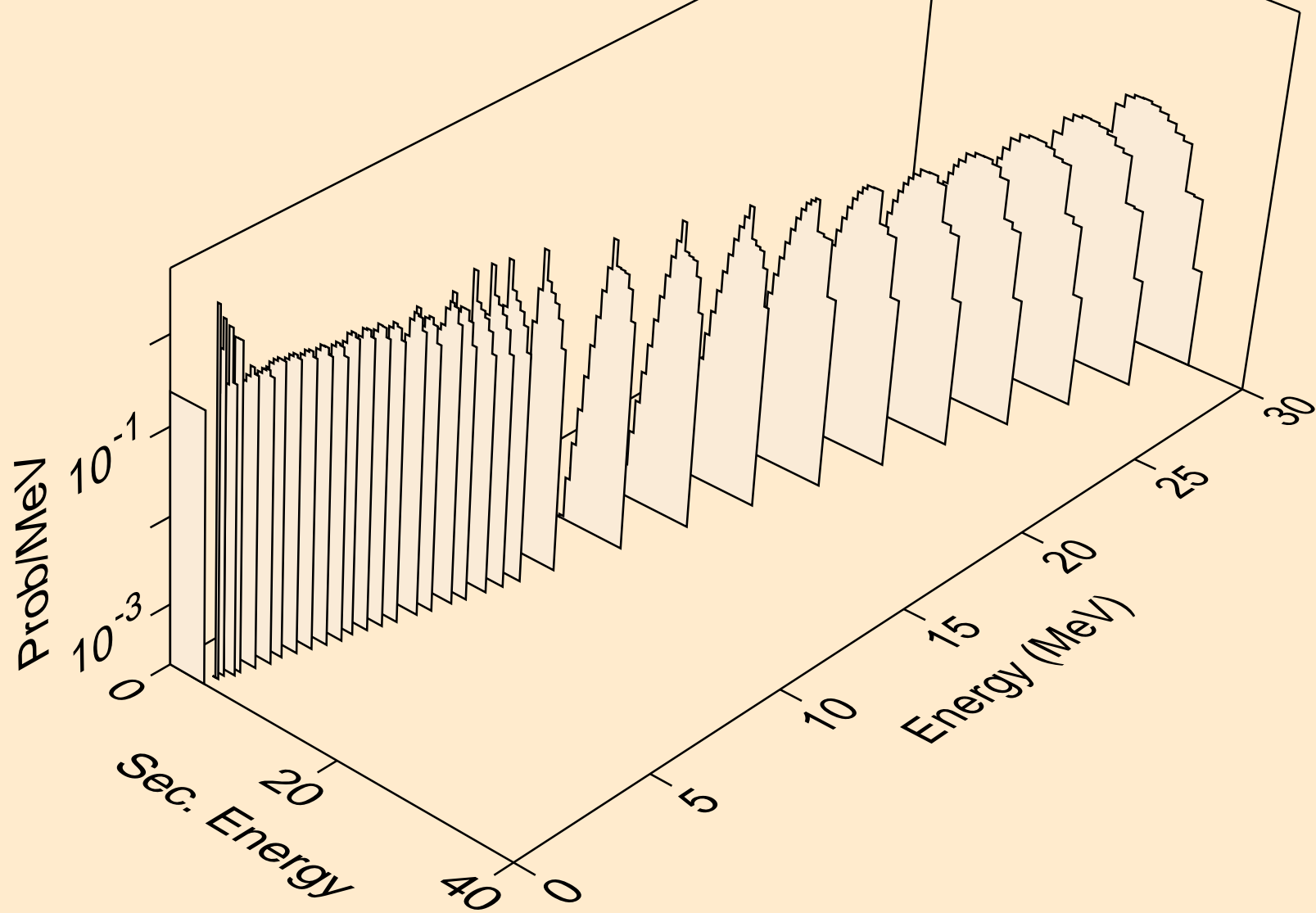
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



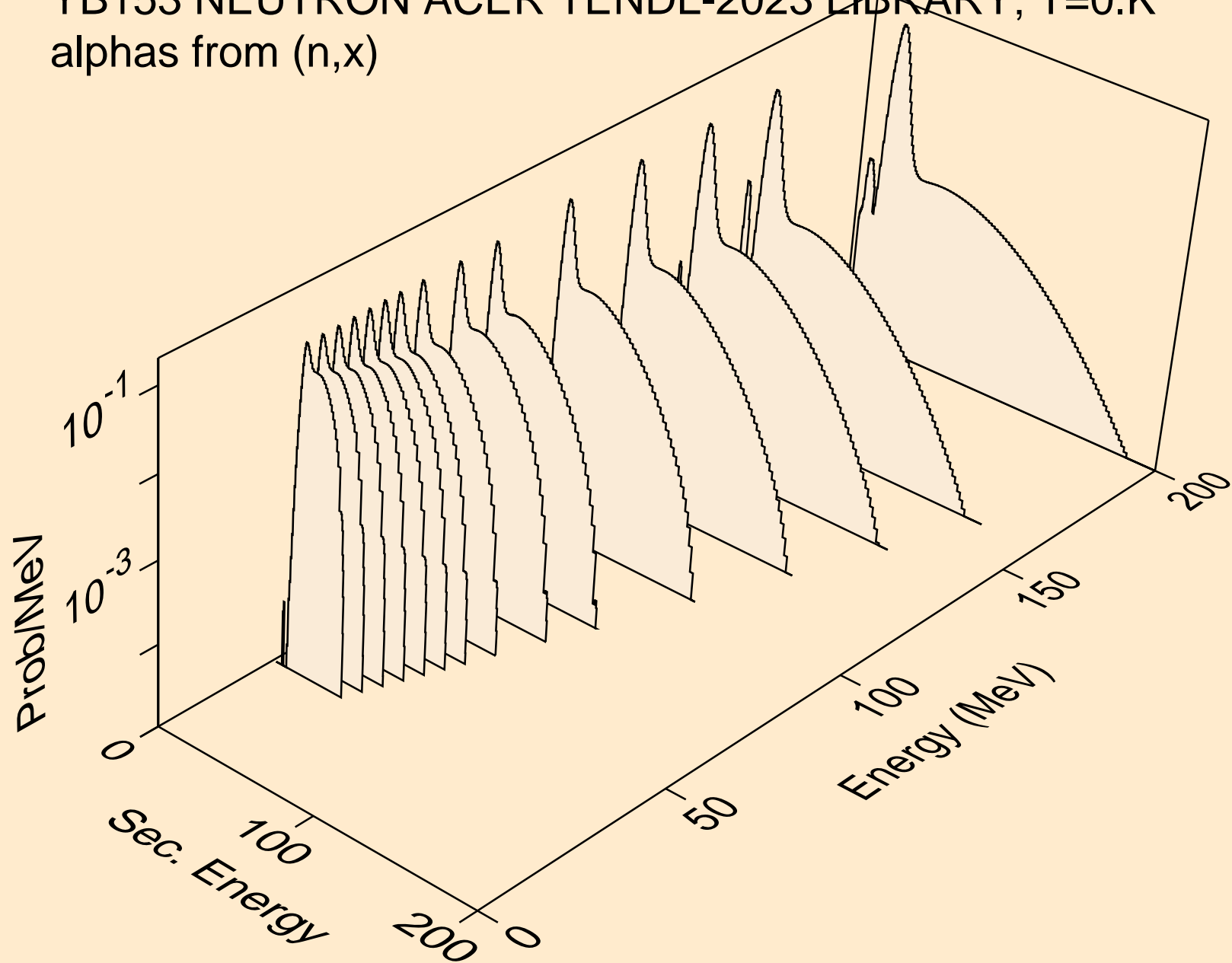
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



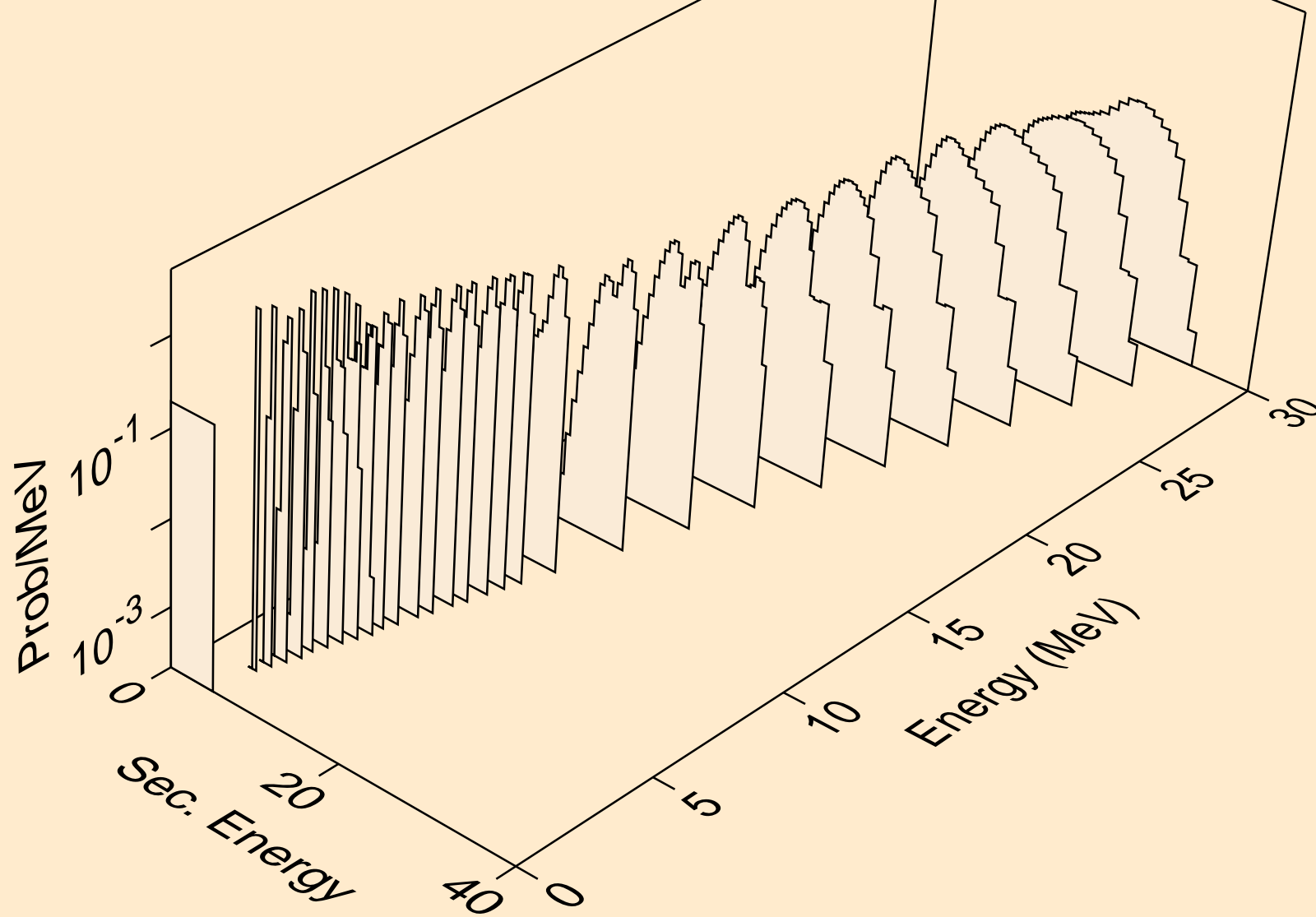
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he3s from (n,he3)



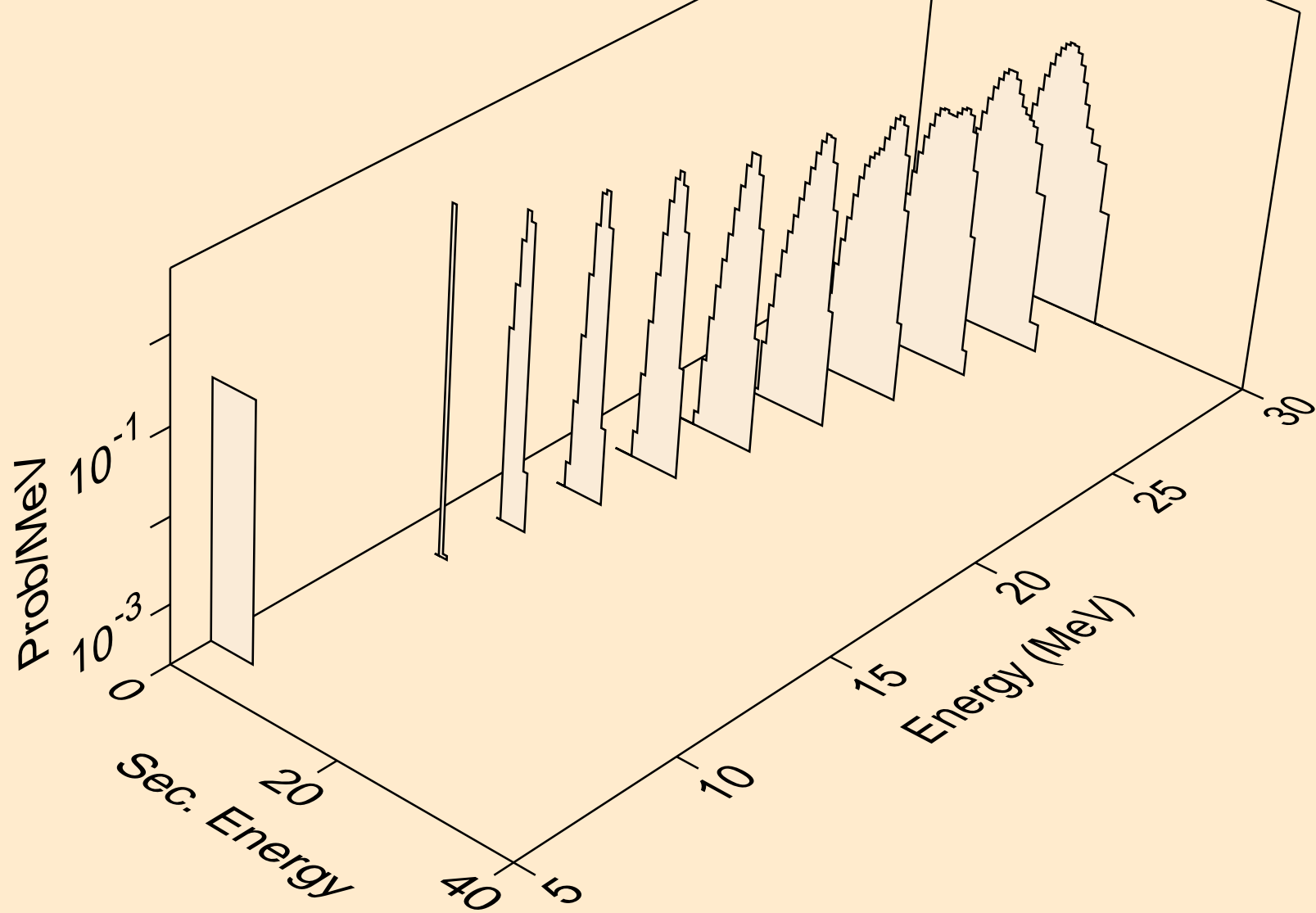
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



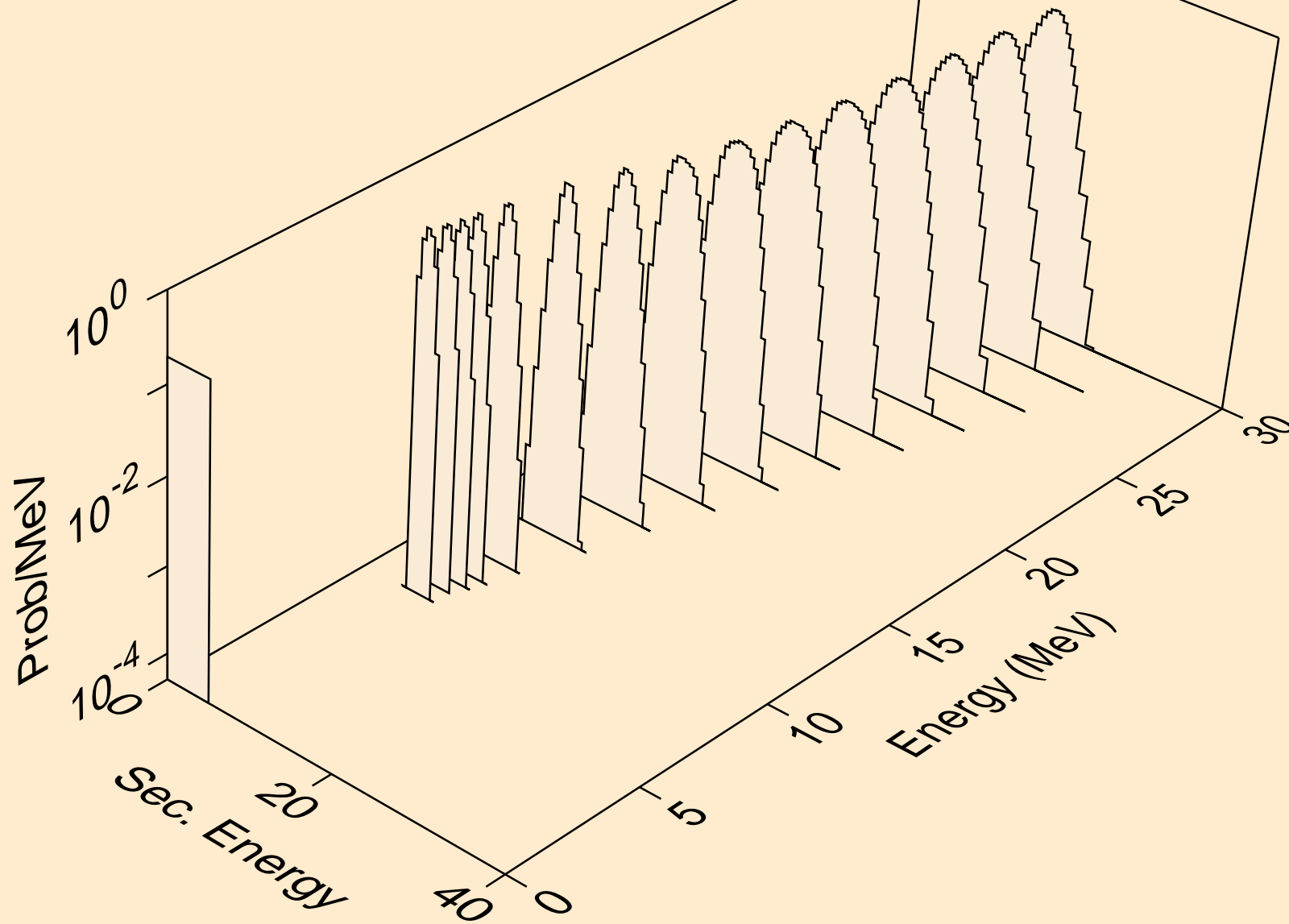
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



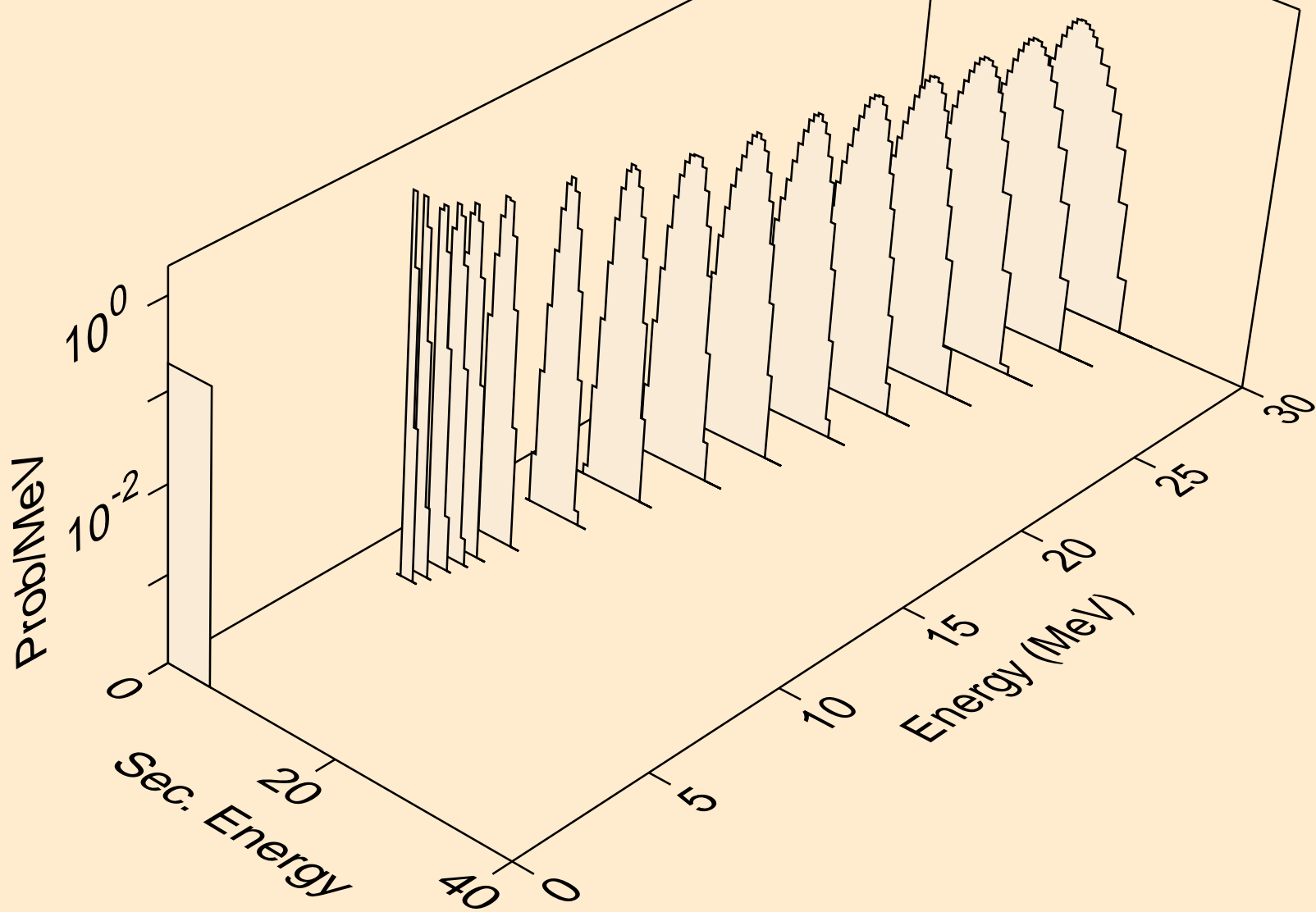
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alphas from (n,2n)a



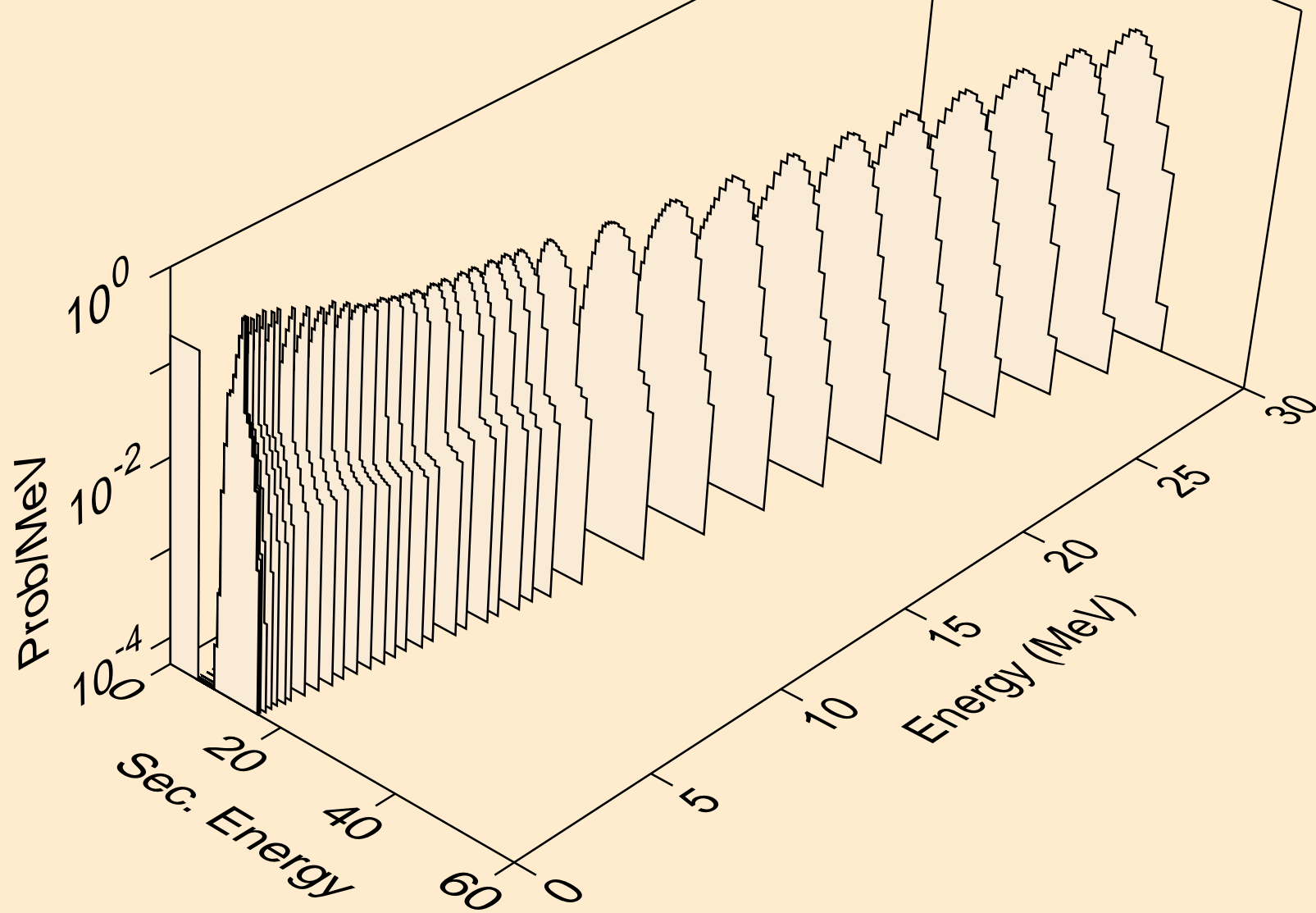
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alphas from (n,n\*)2a



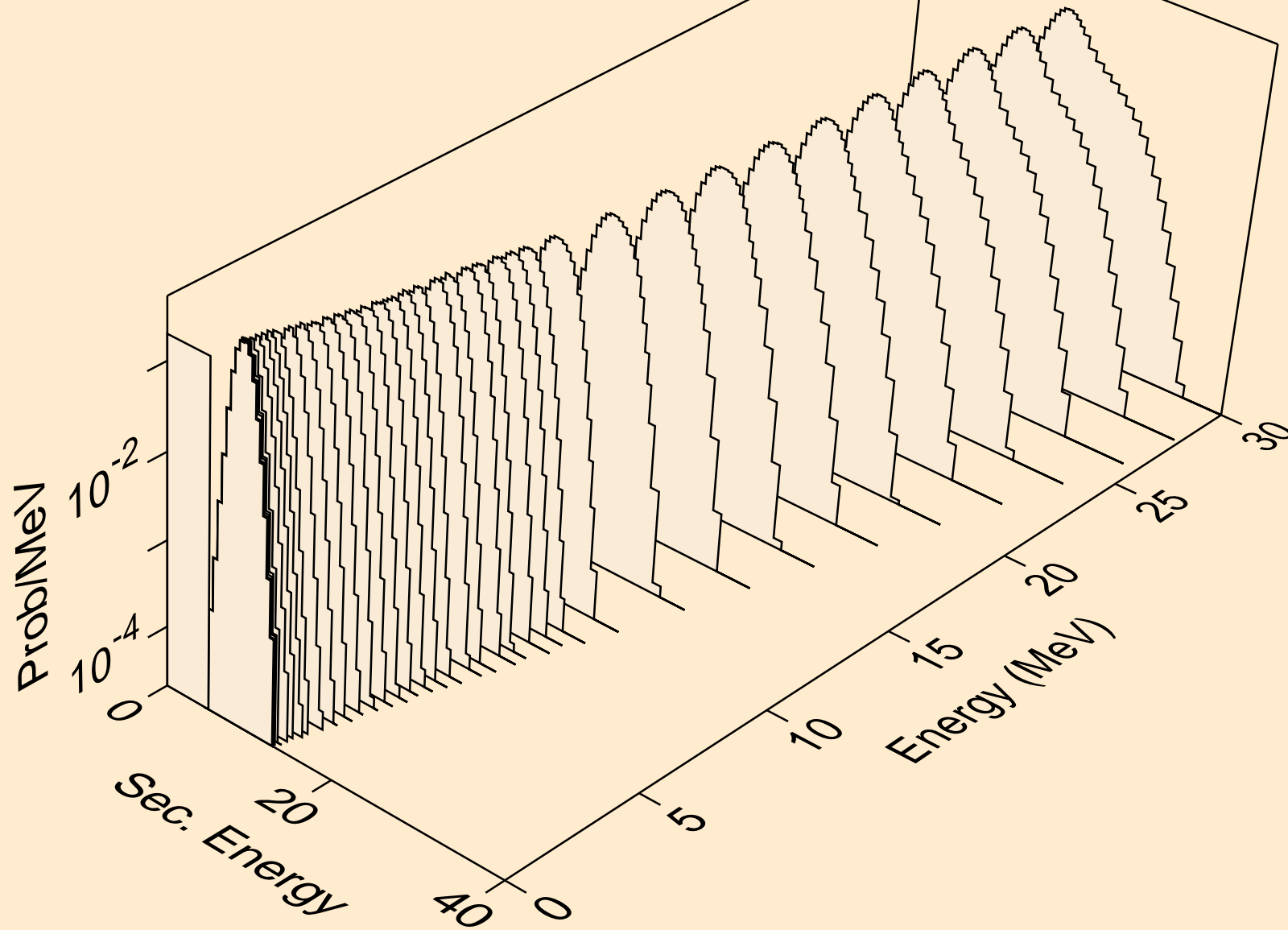
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alphas from (n,npa)



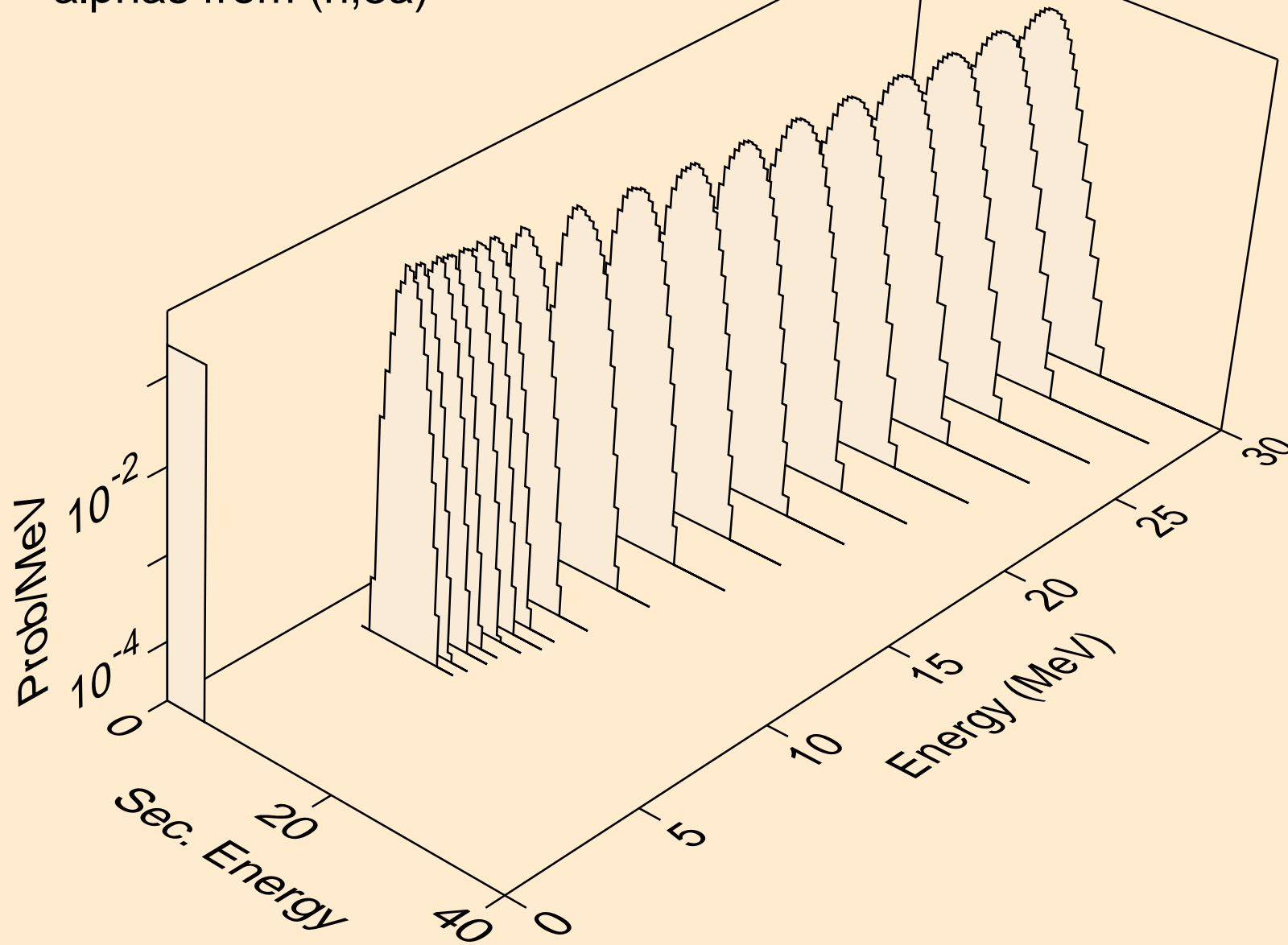
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alphas from (n,a)



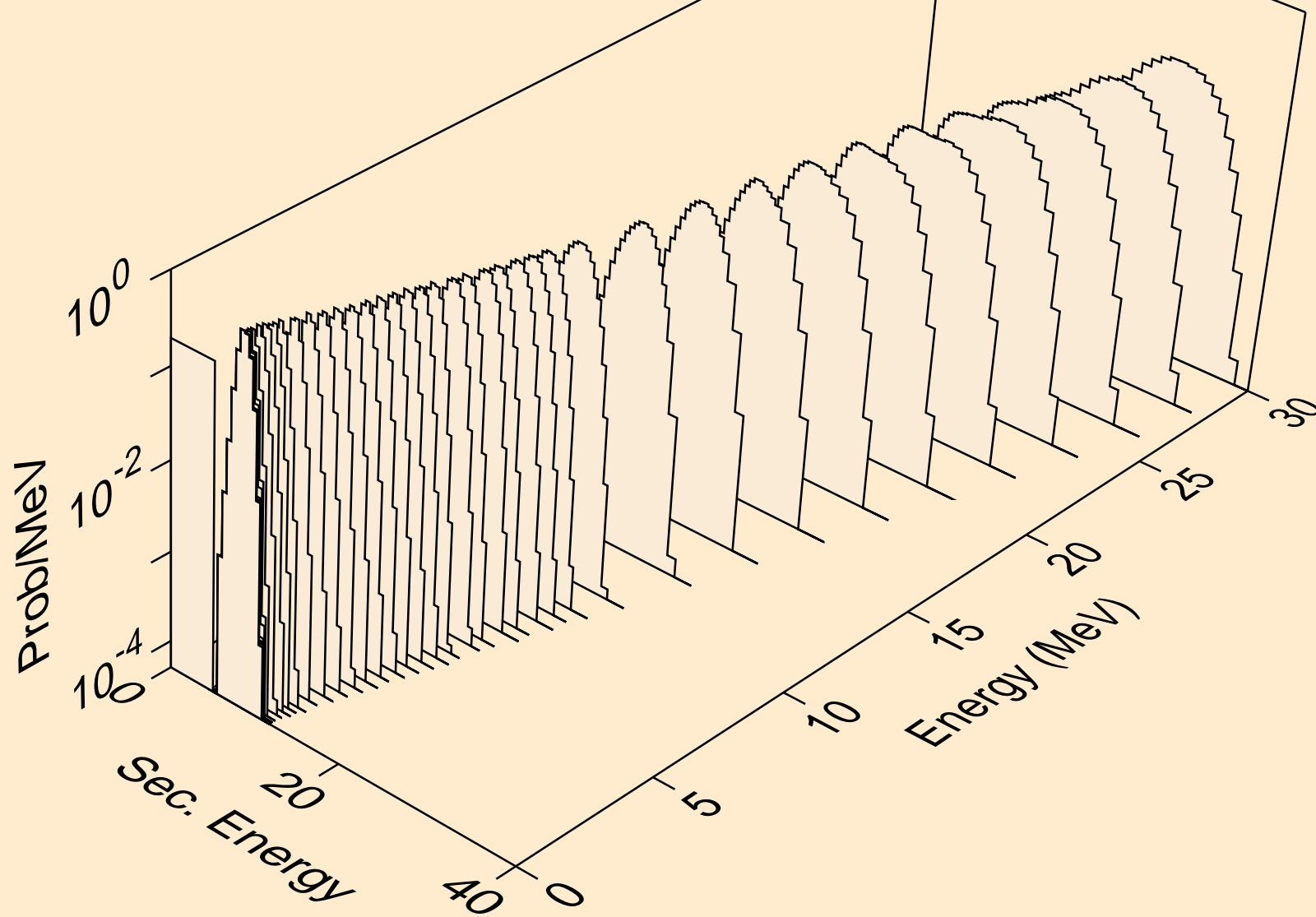
YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



YB153 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

