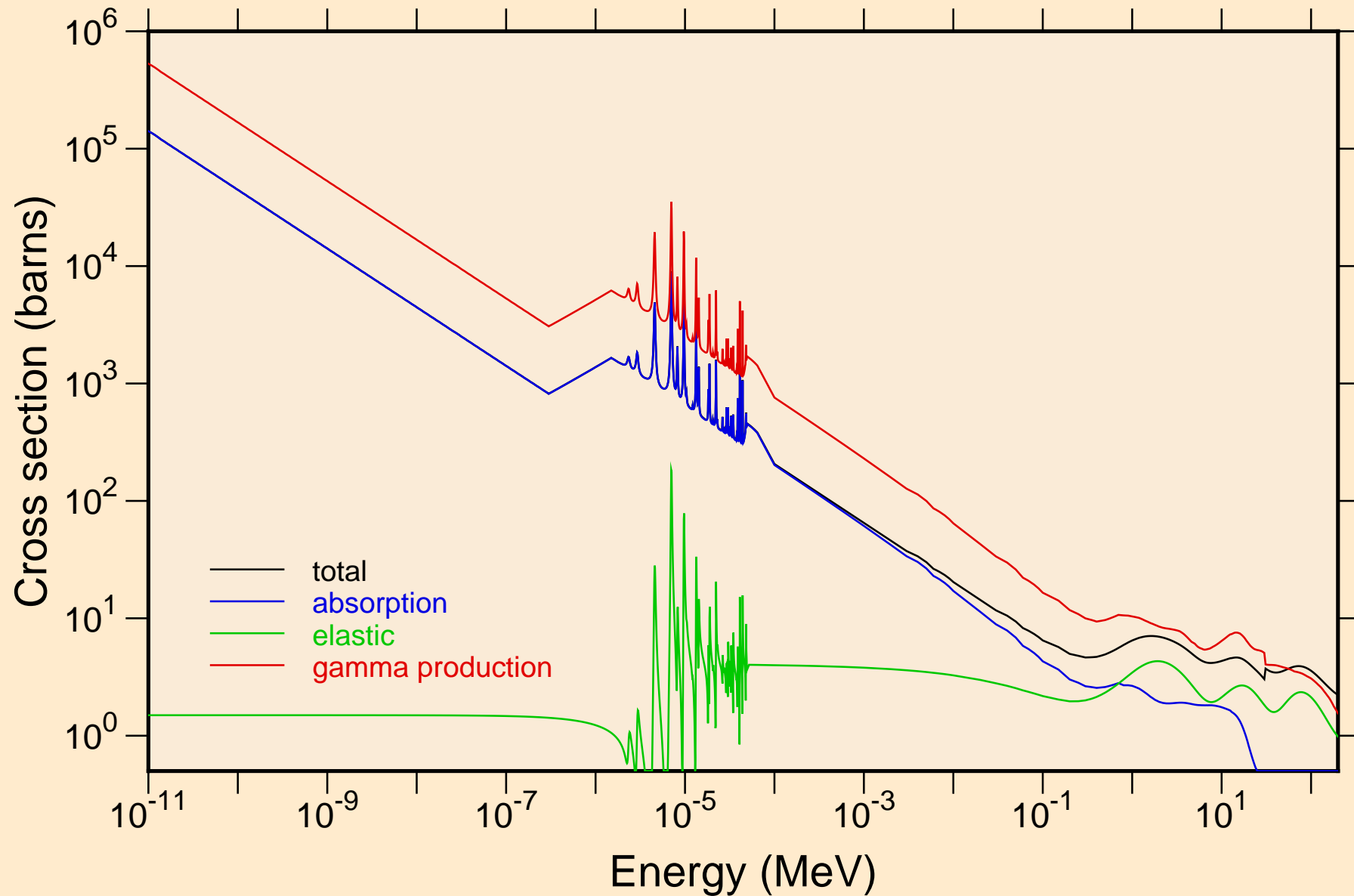
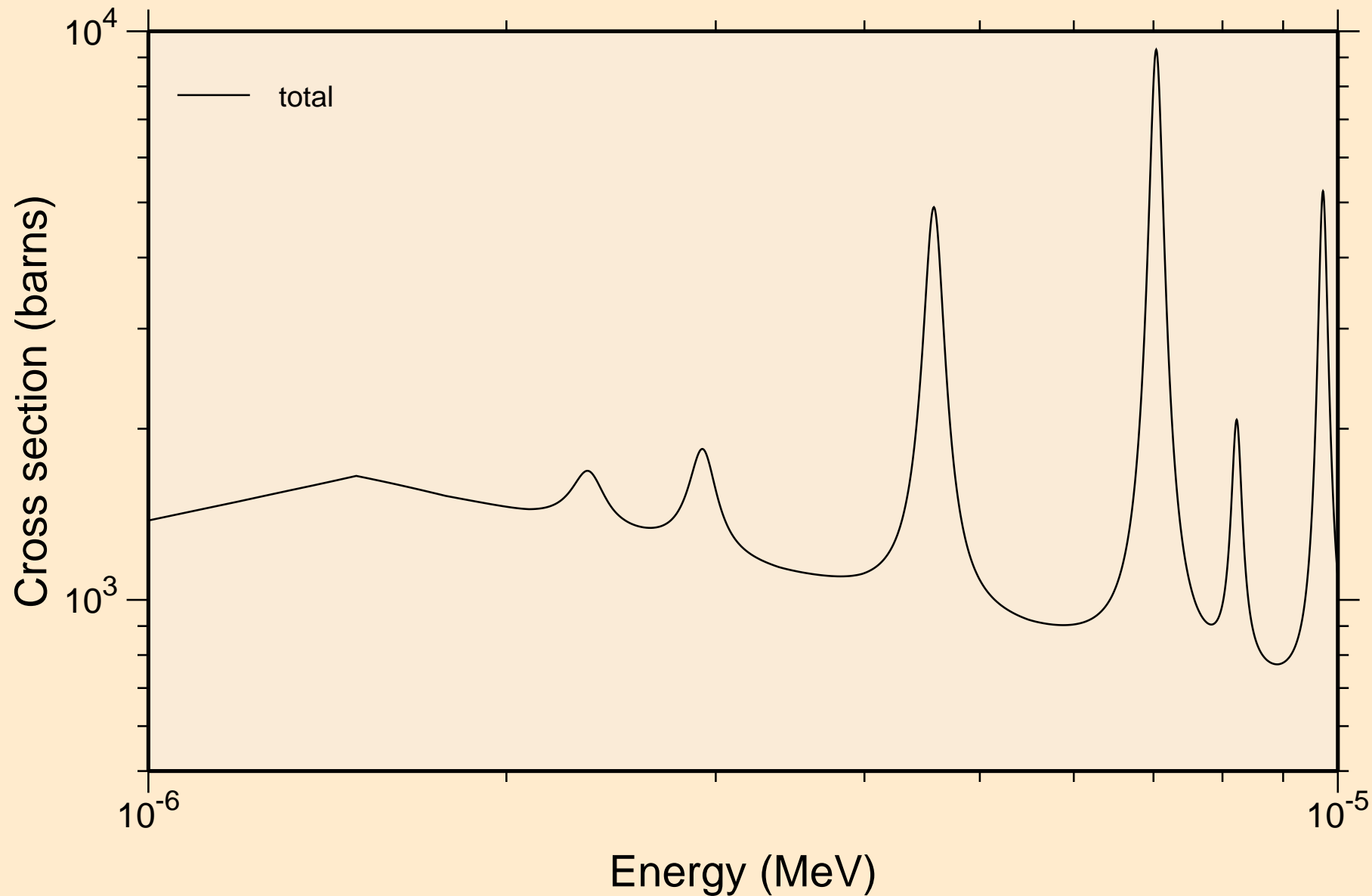


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

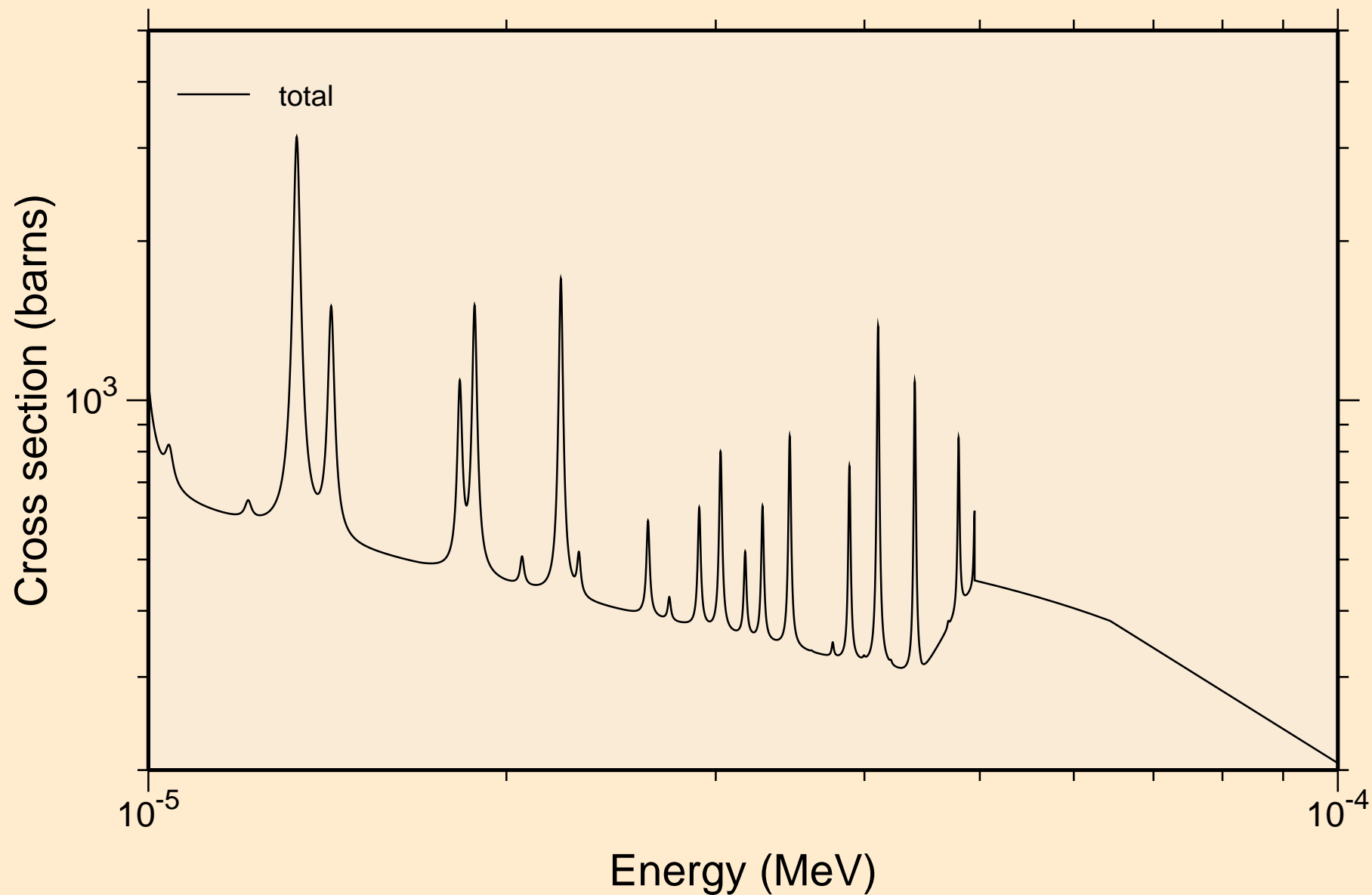
## Principal cross sections



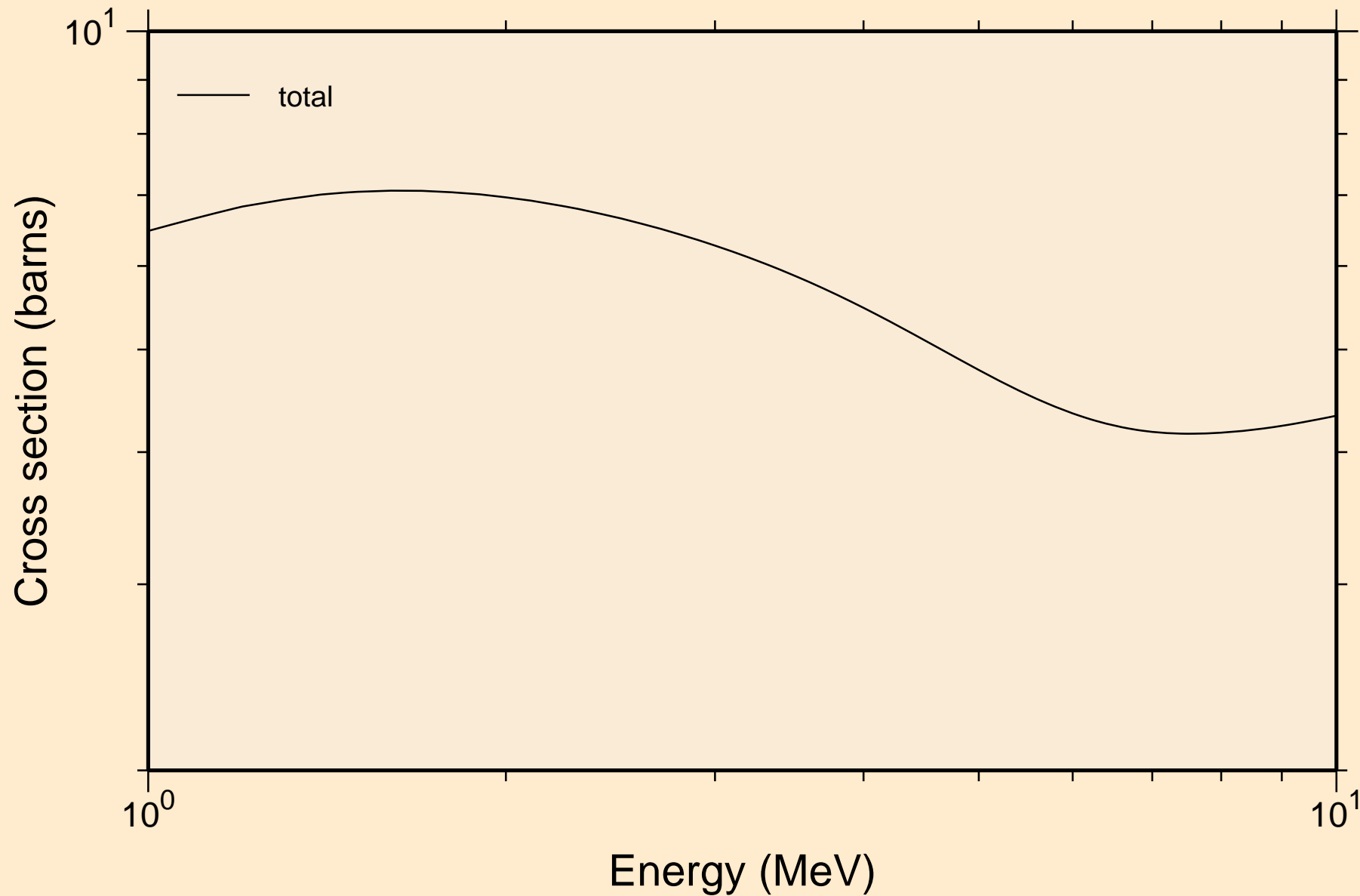
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



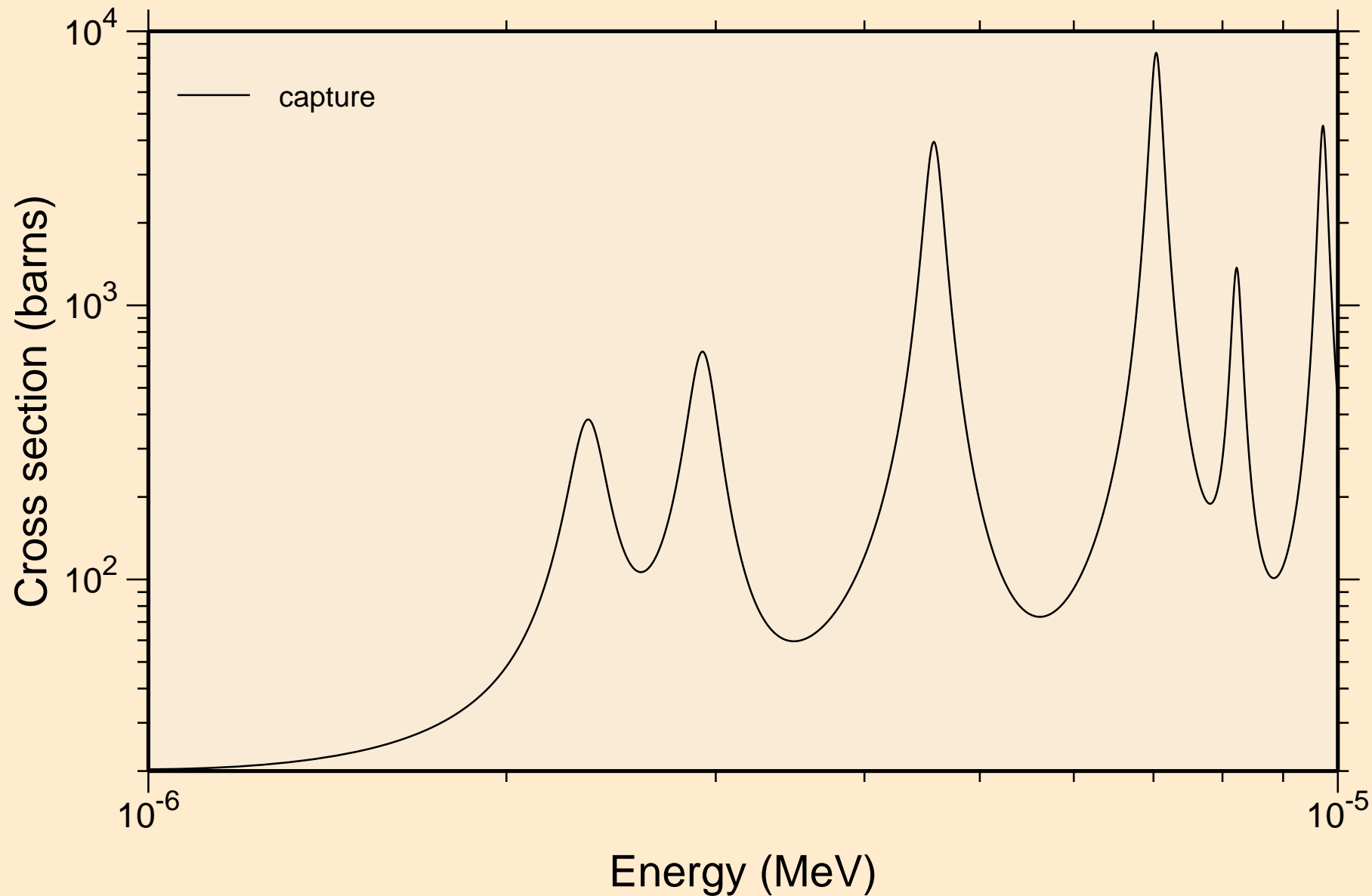
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



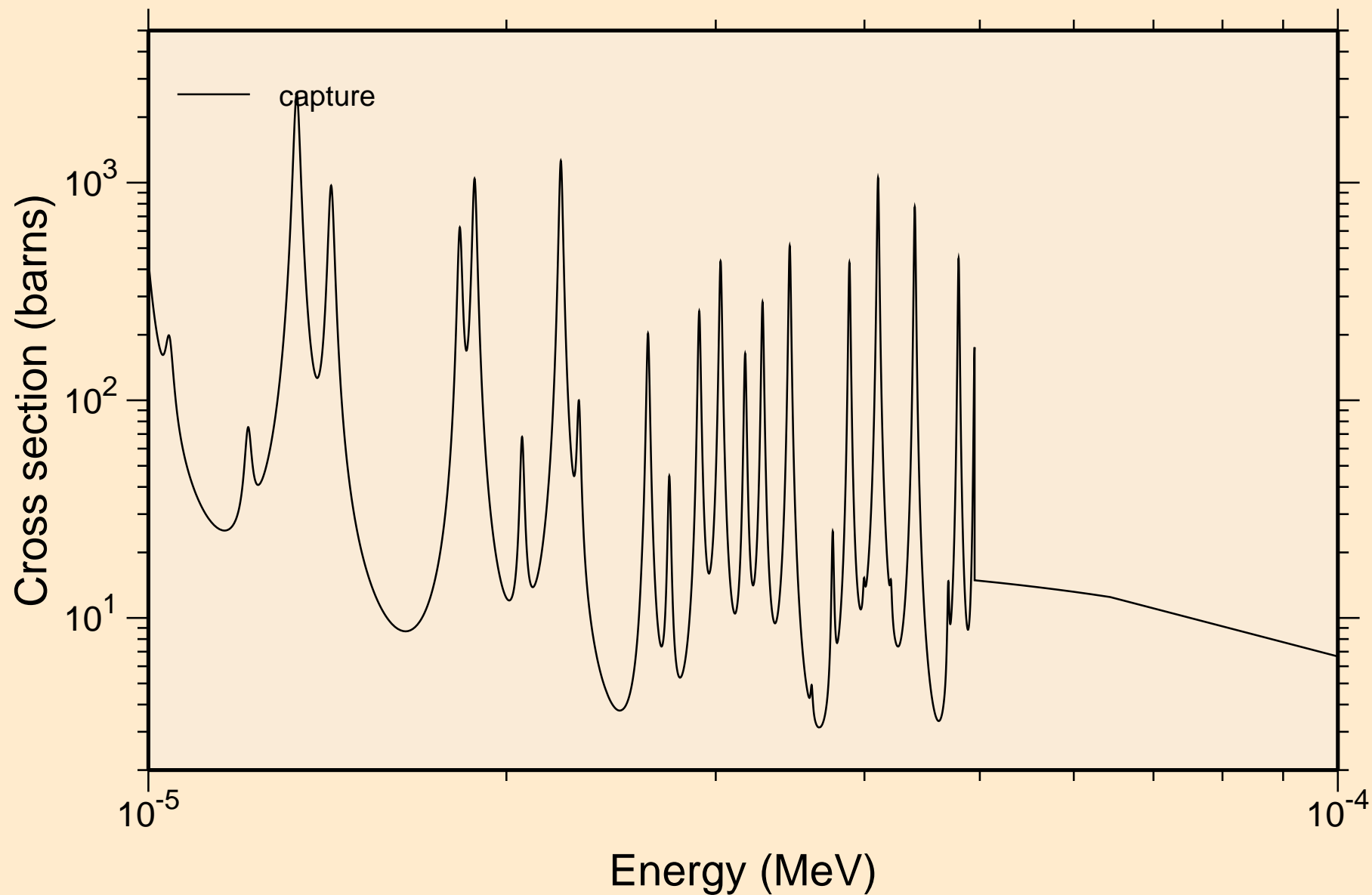
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resonance total cross section



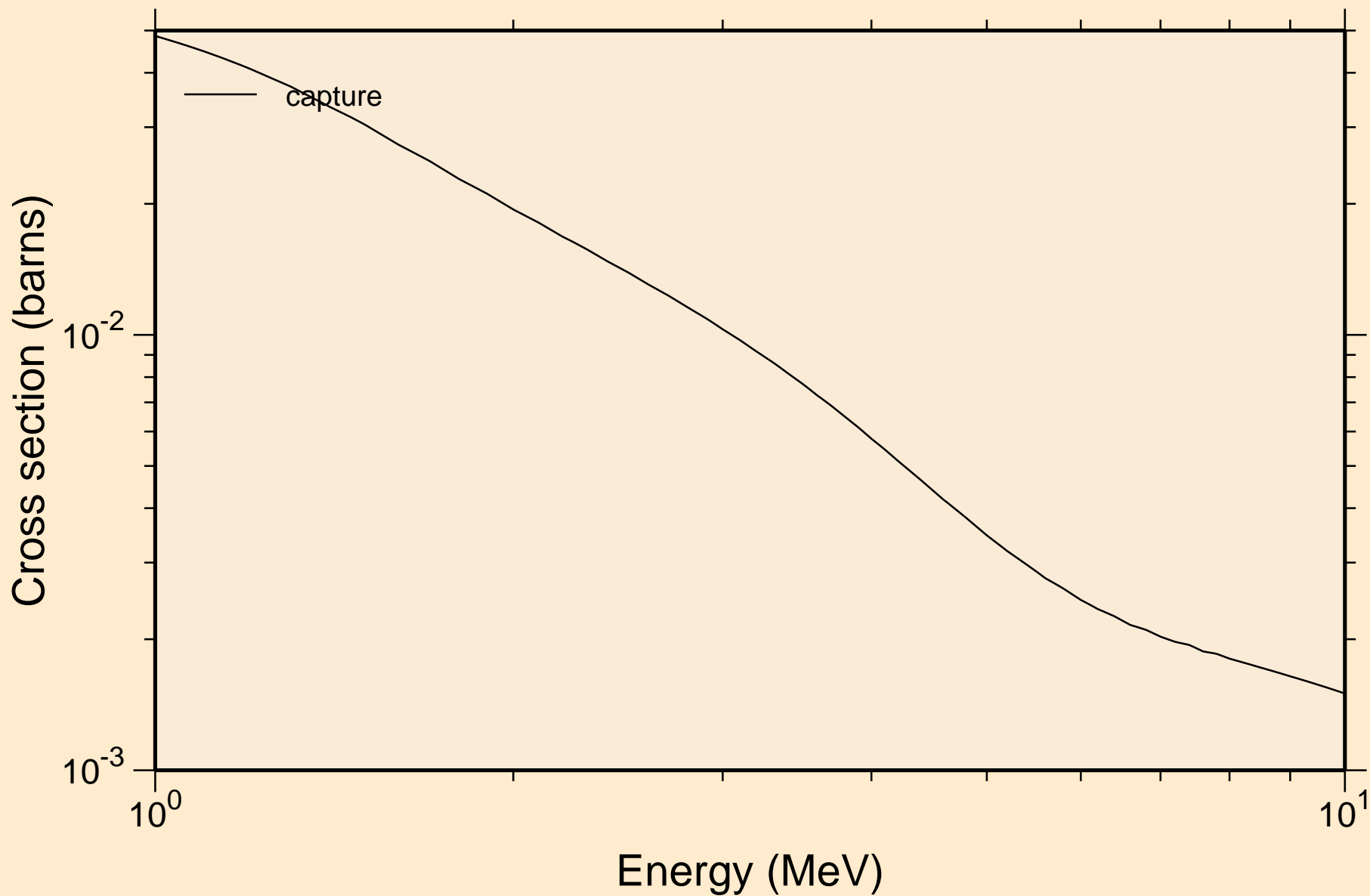
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

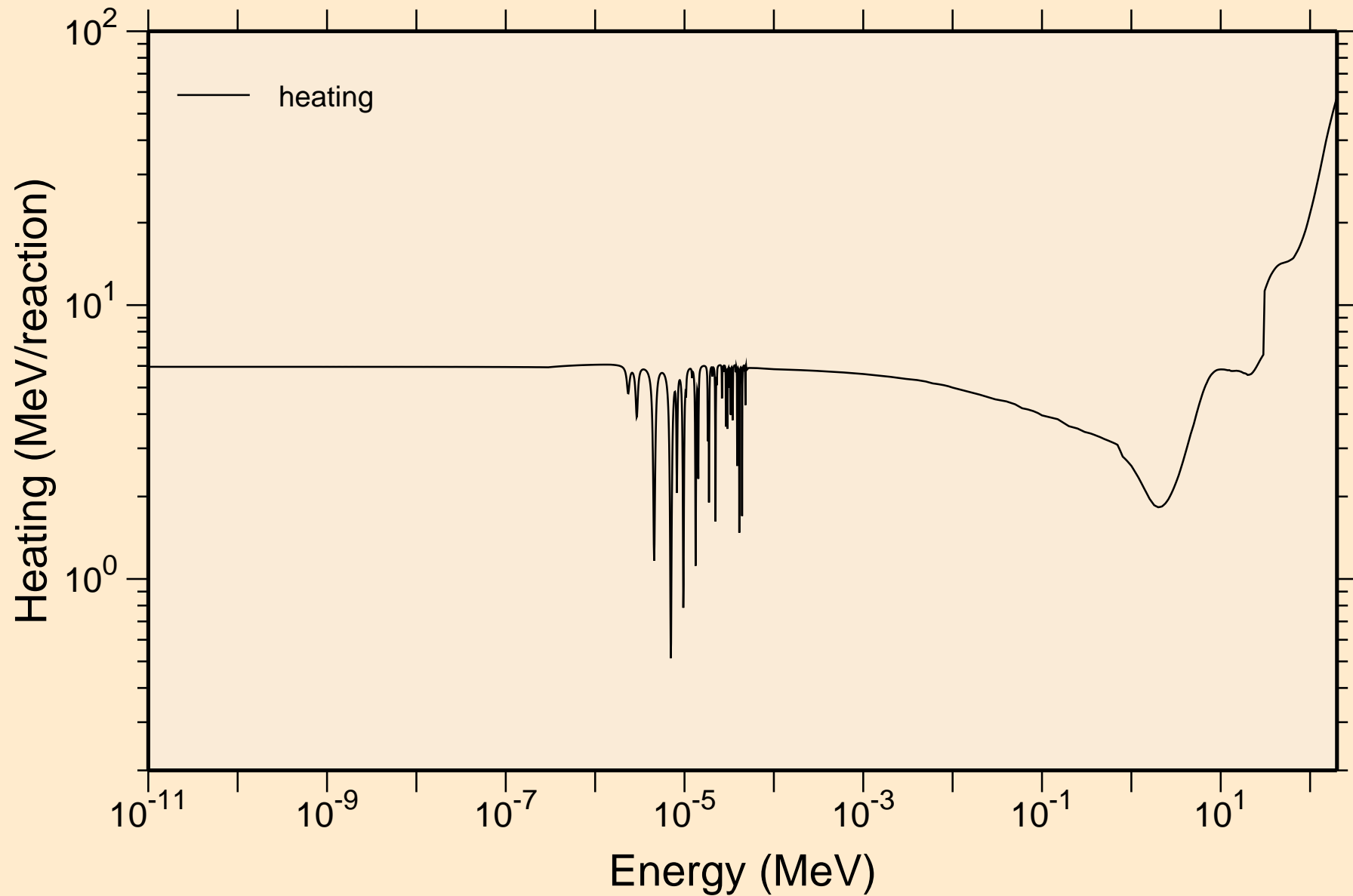


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



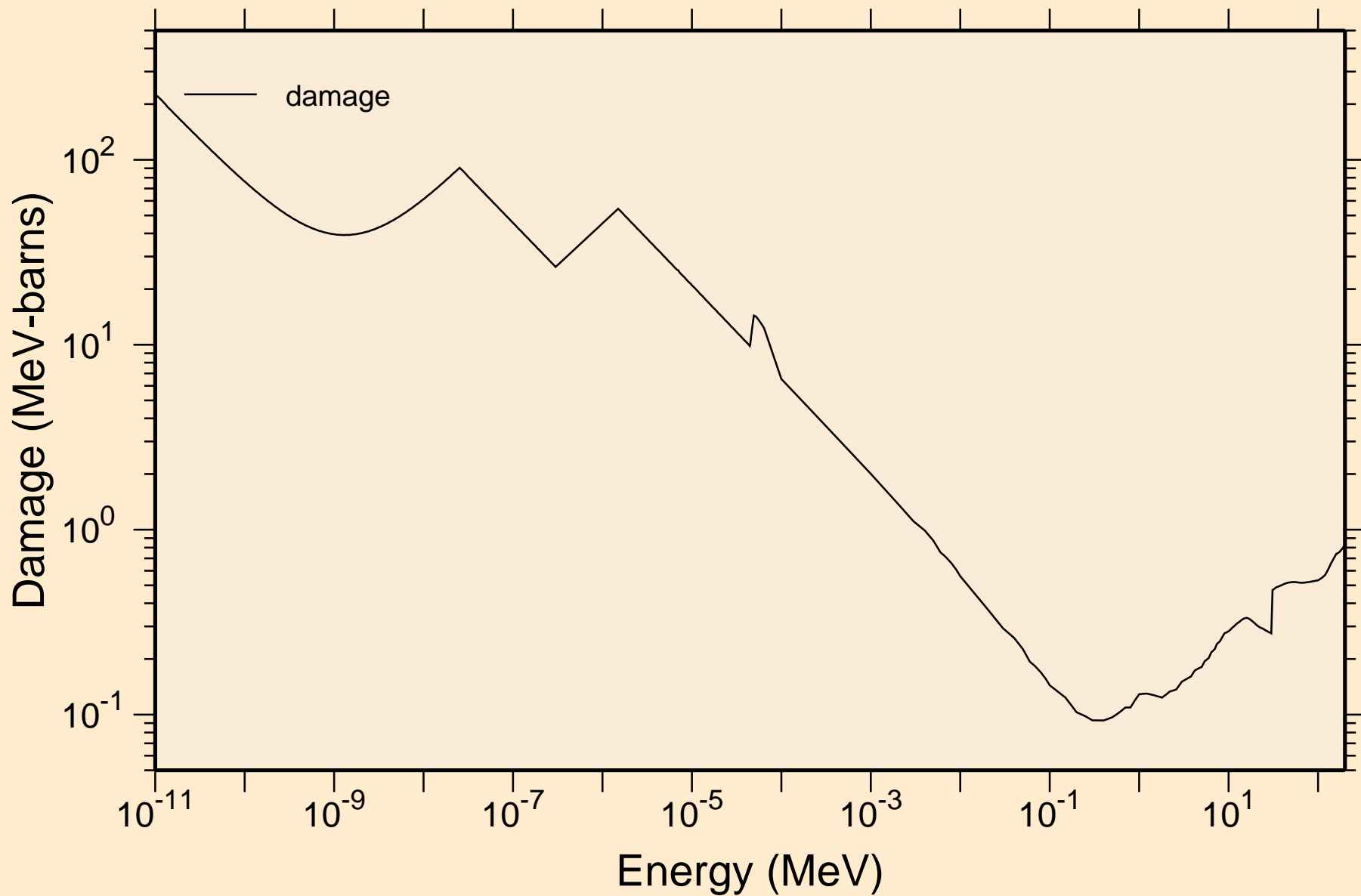
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

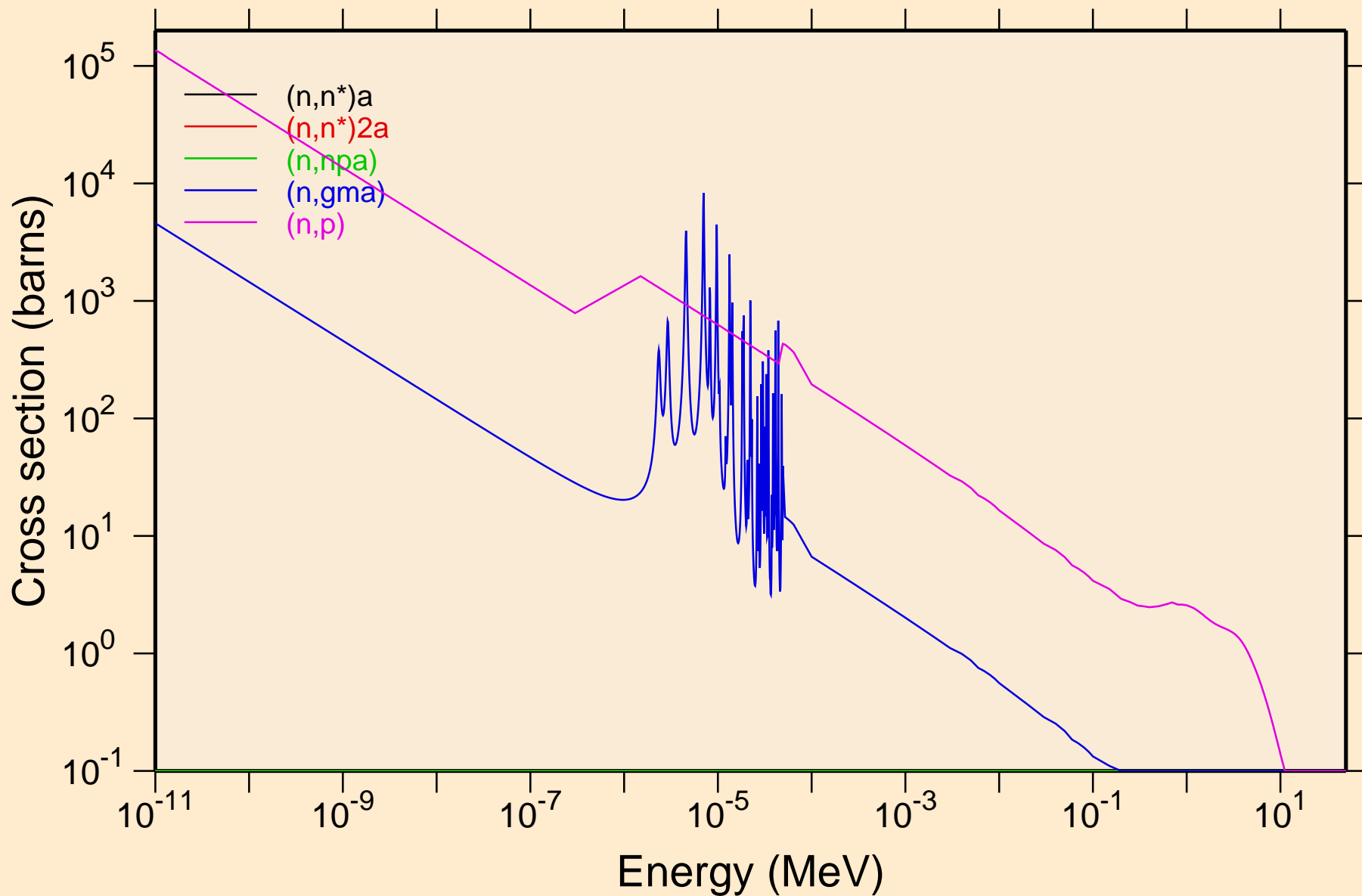


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

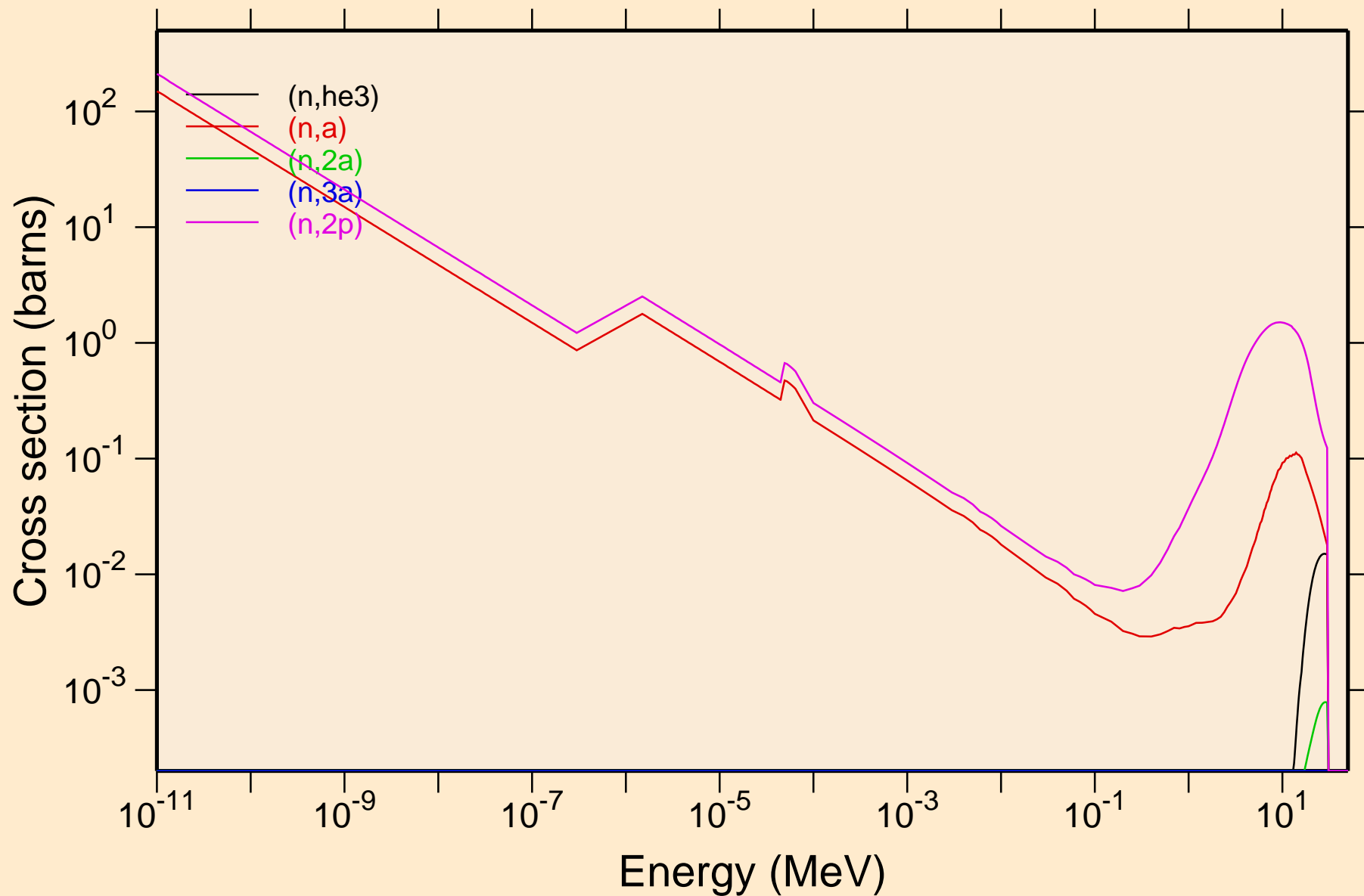


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



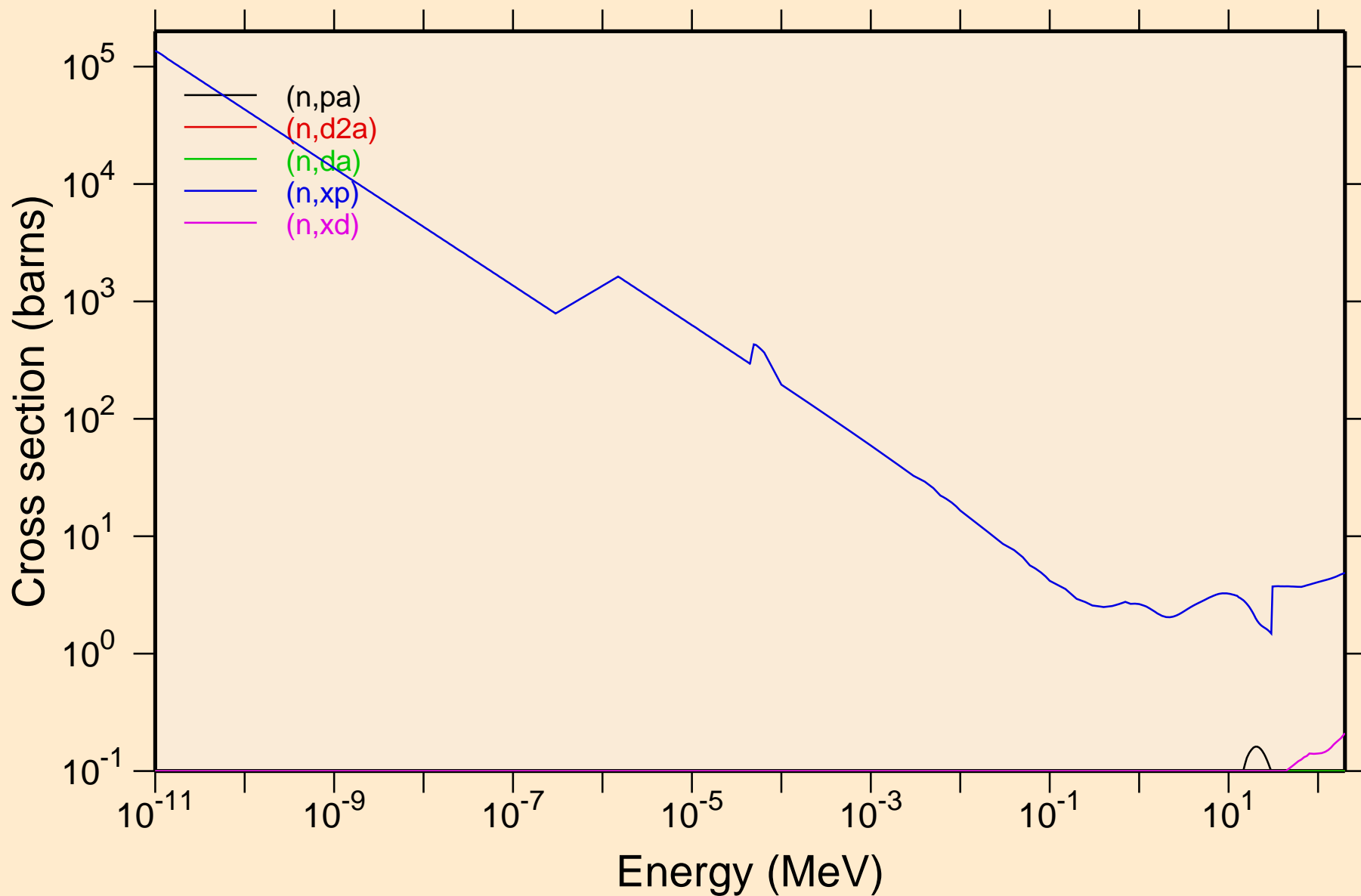
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

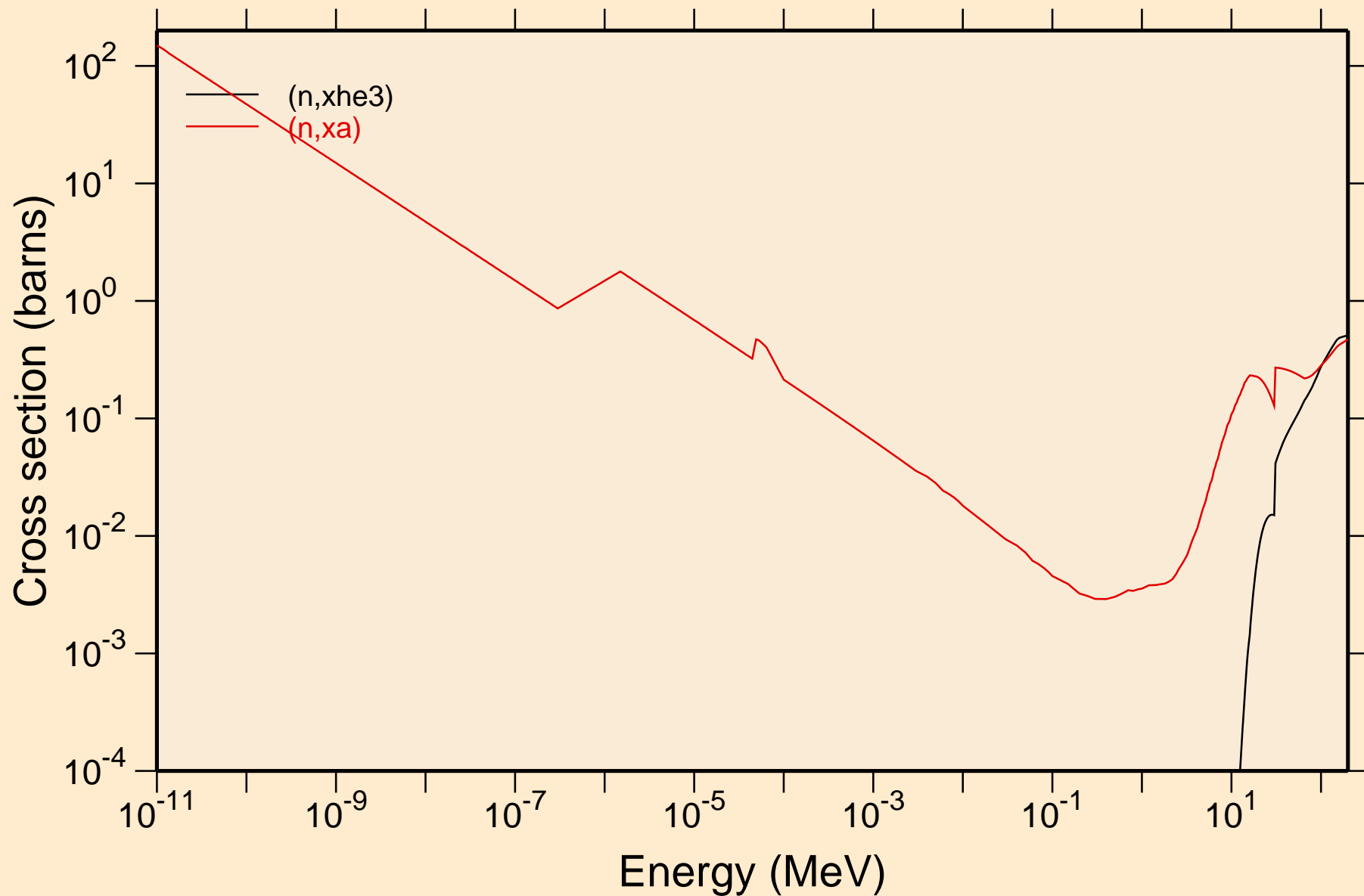


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

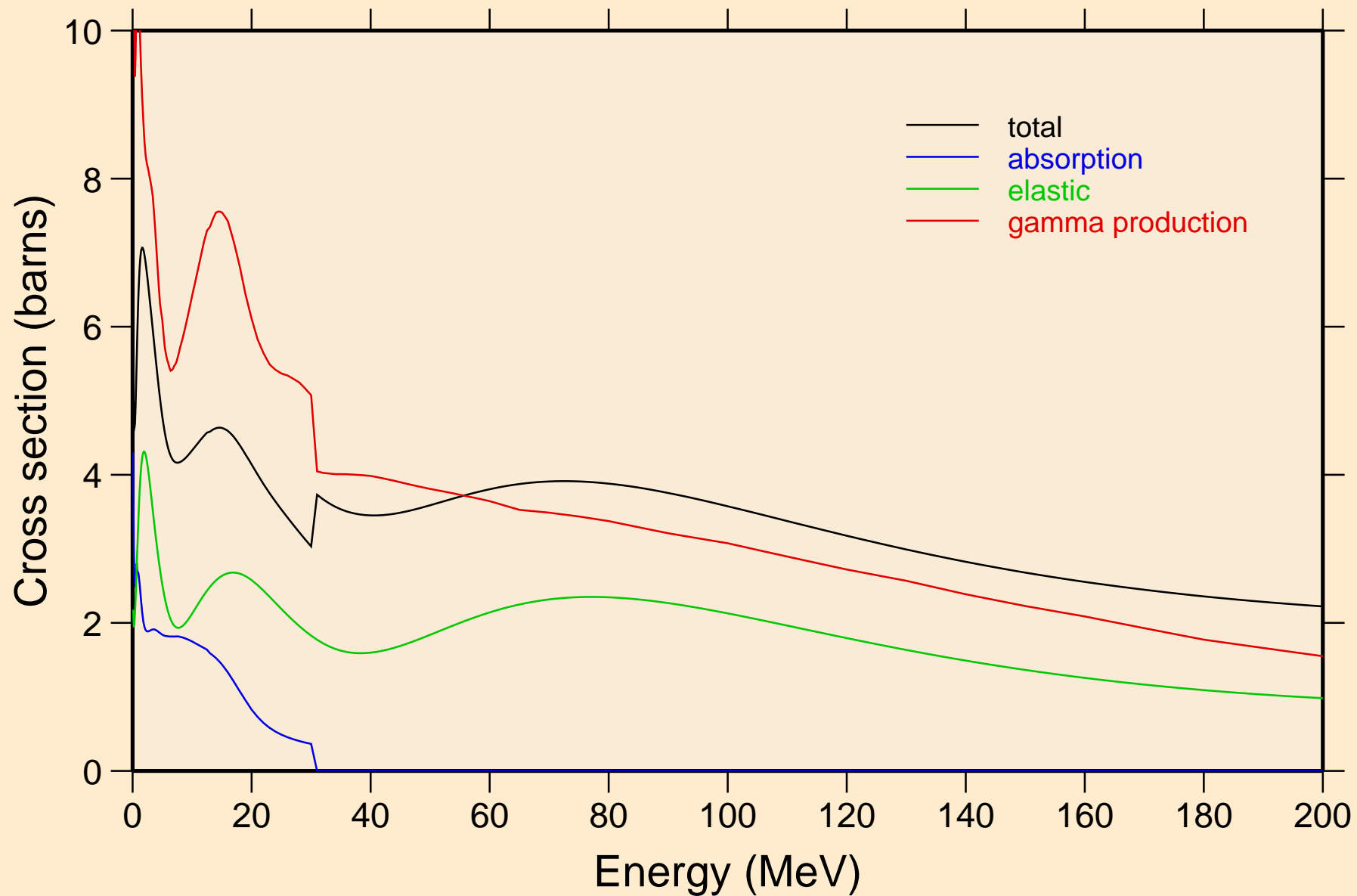


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



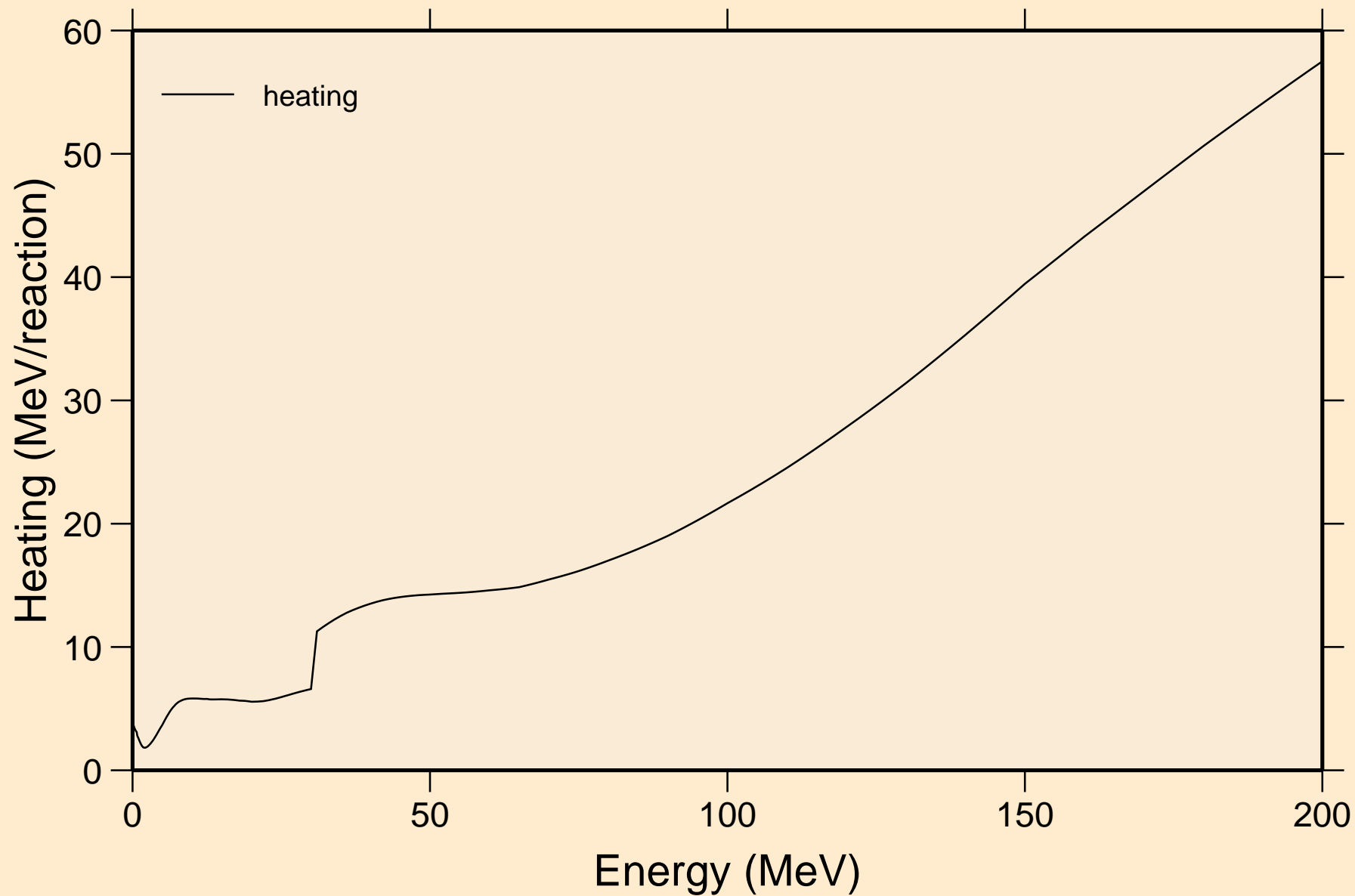
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



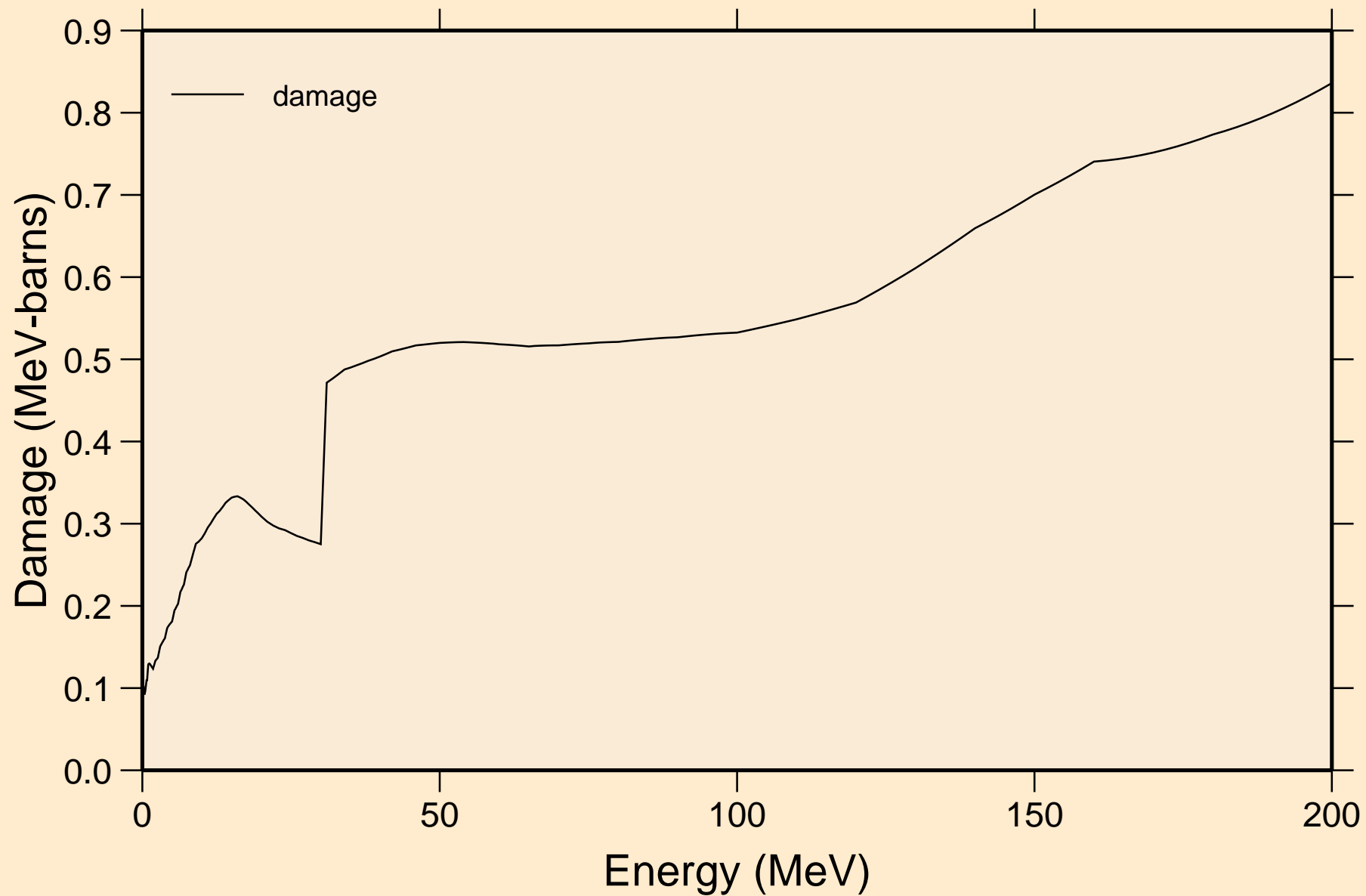
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



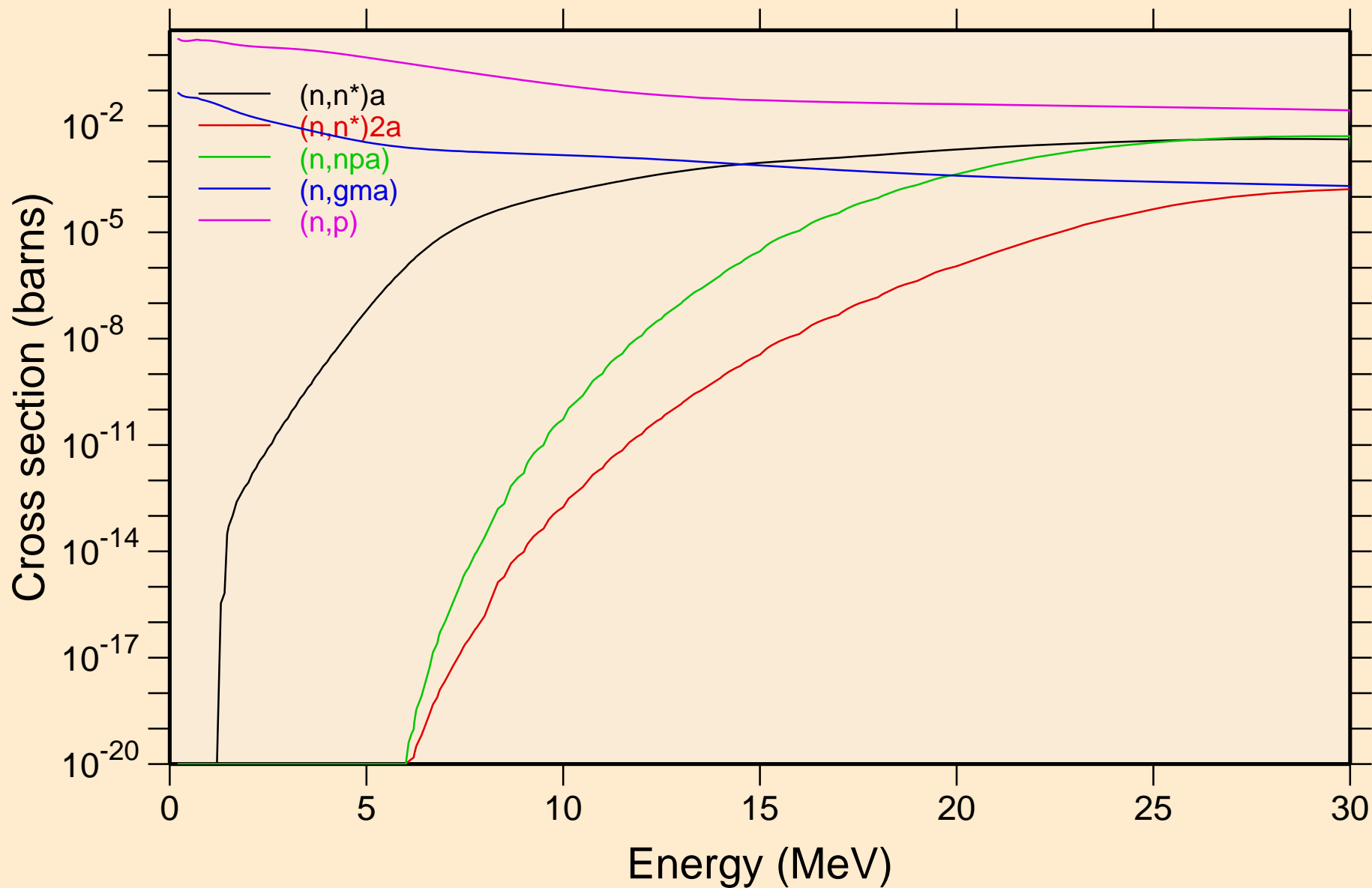
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



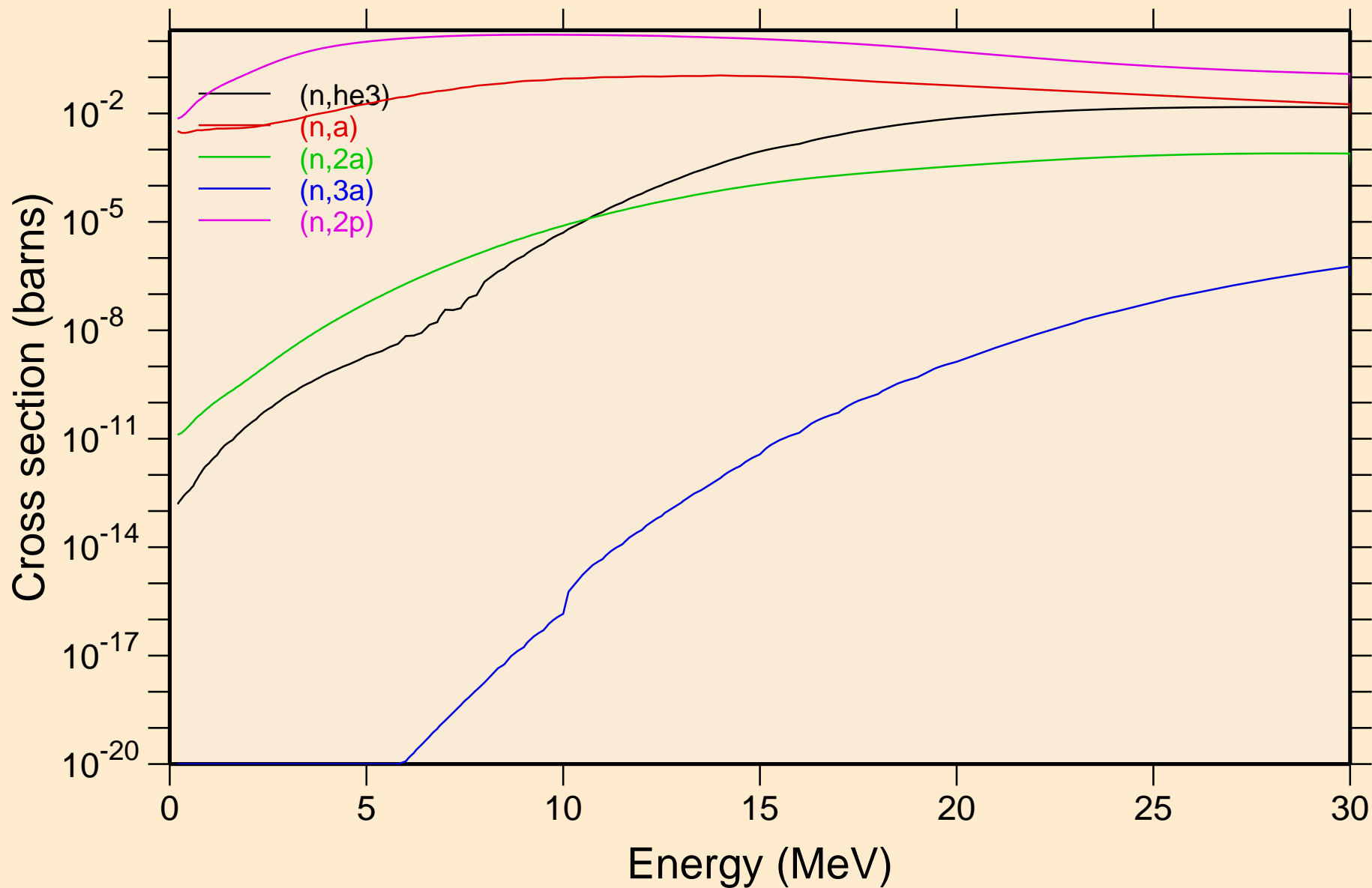
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



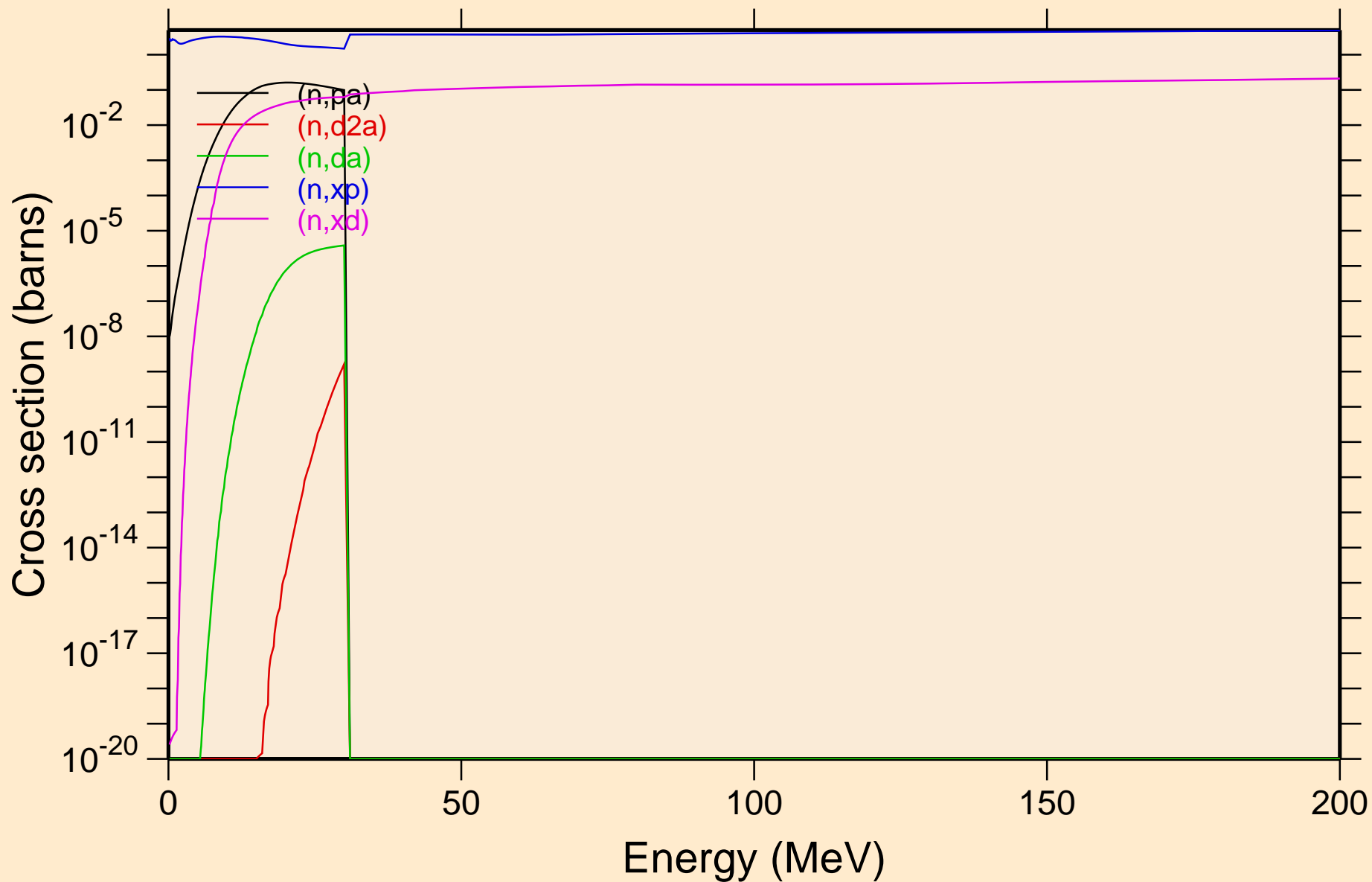
# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

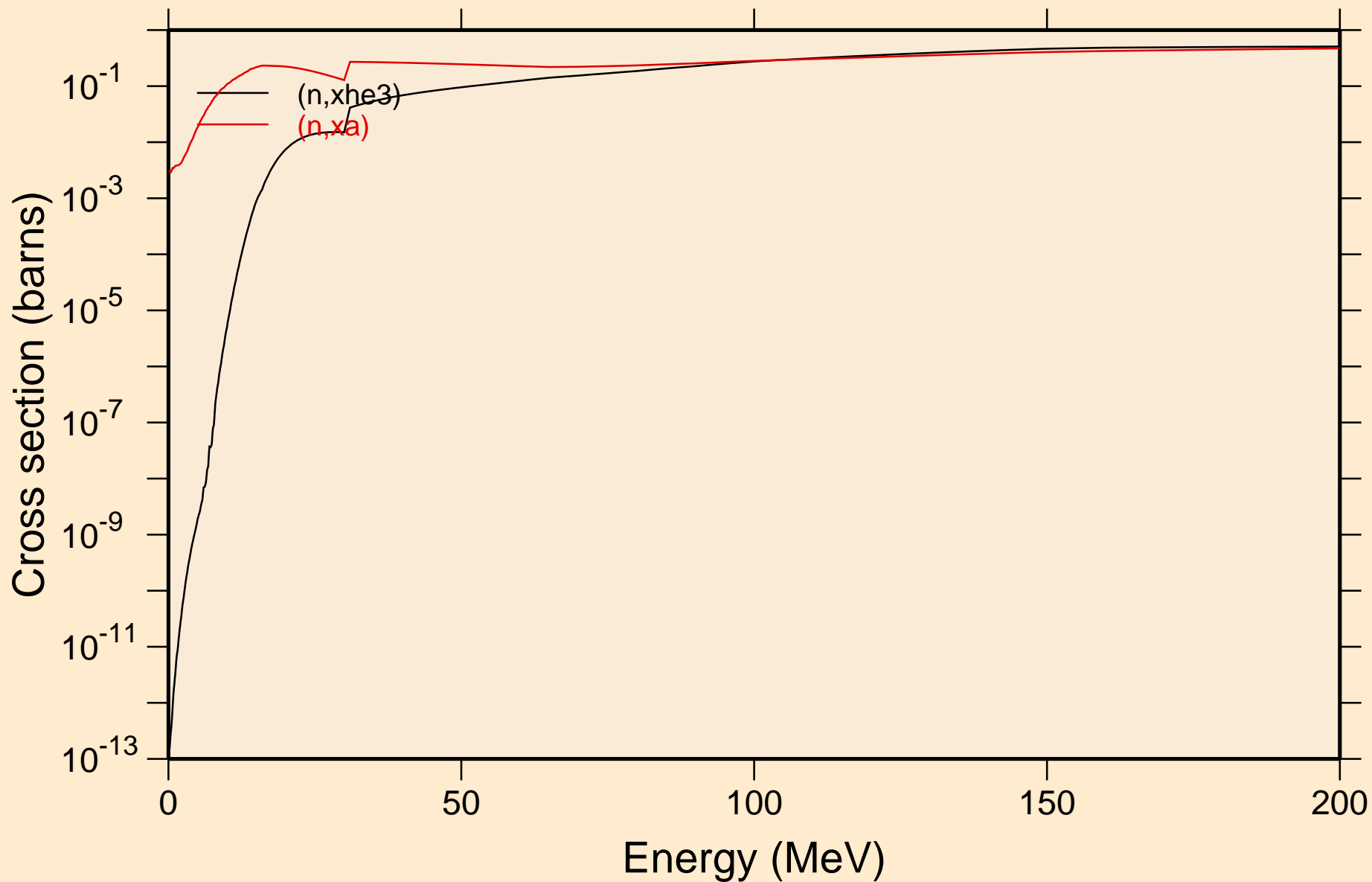


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

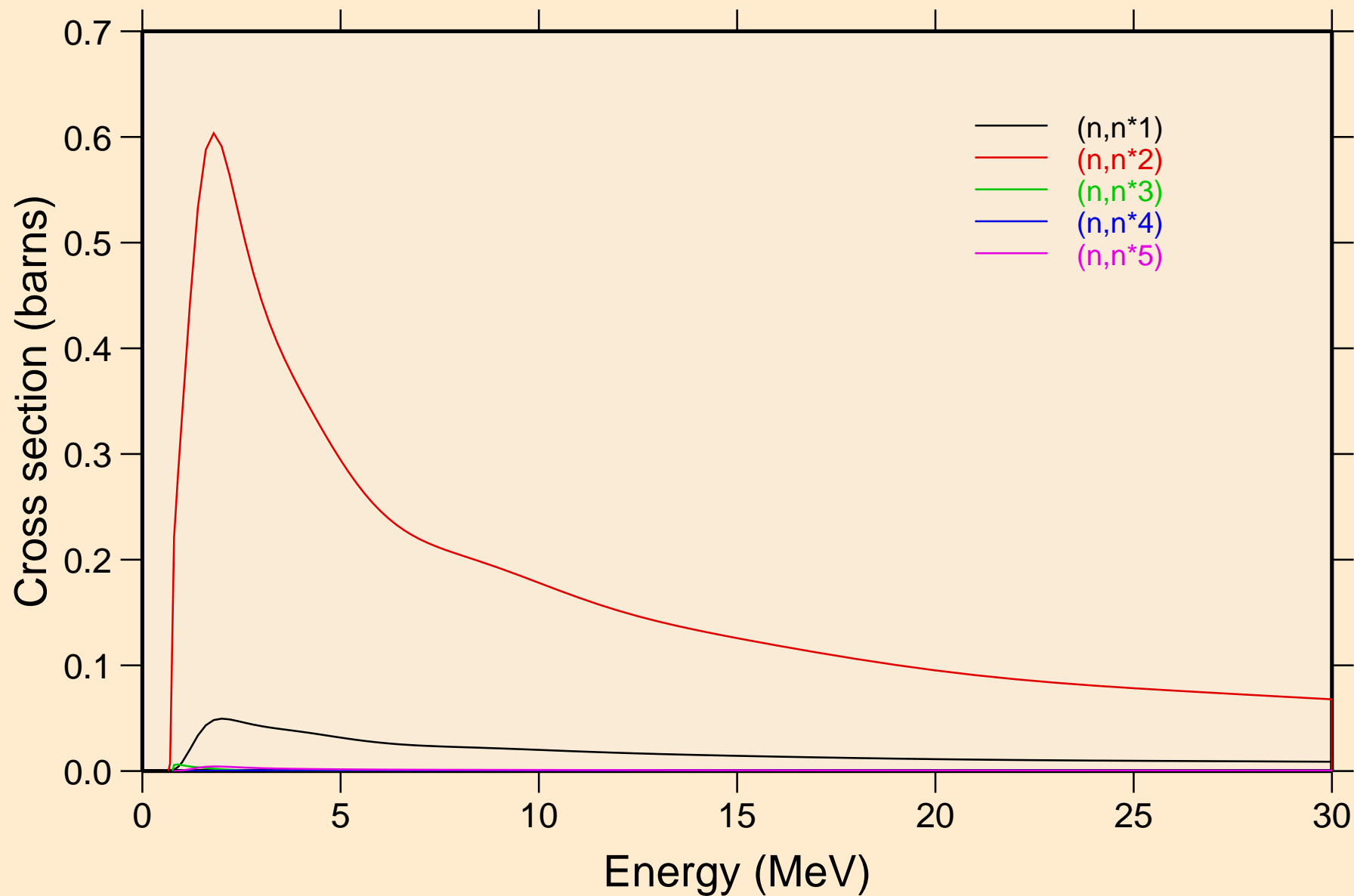


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

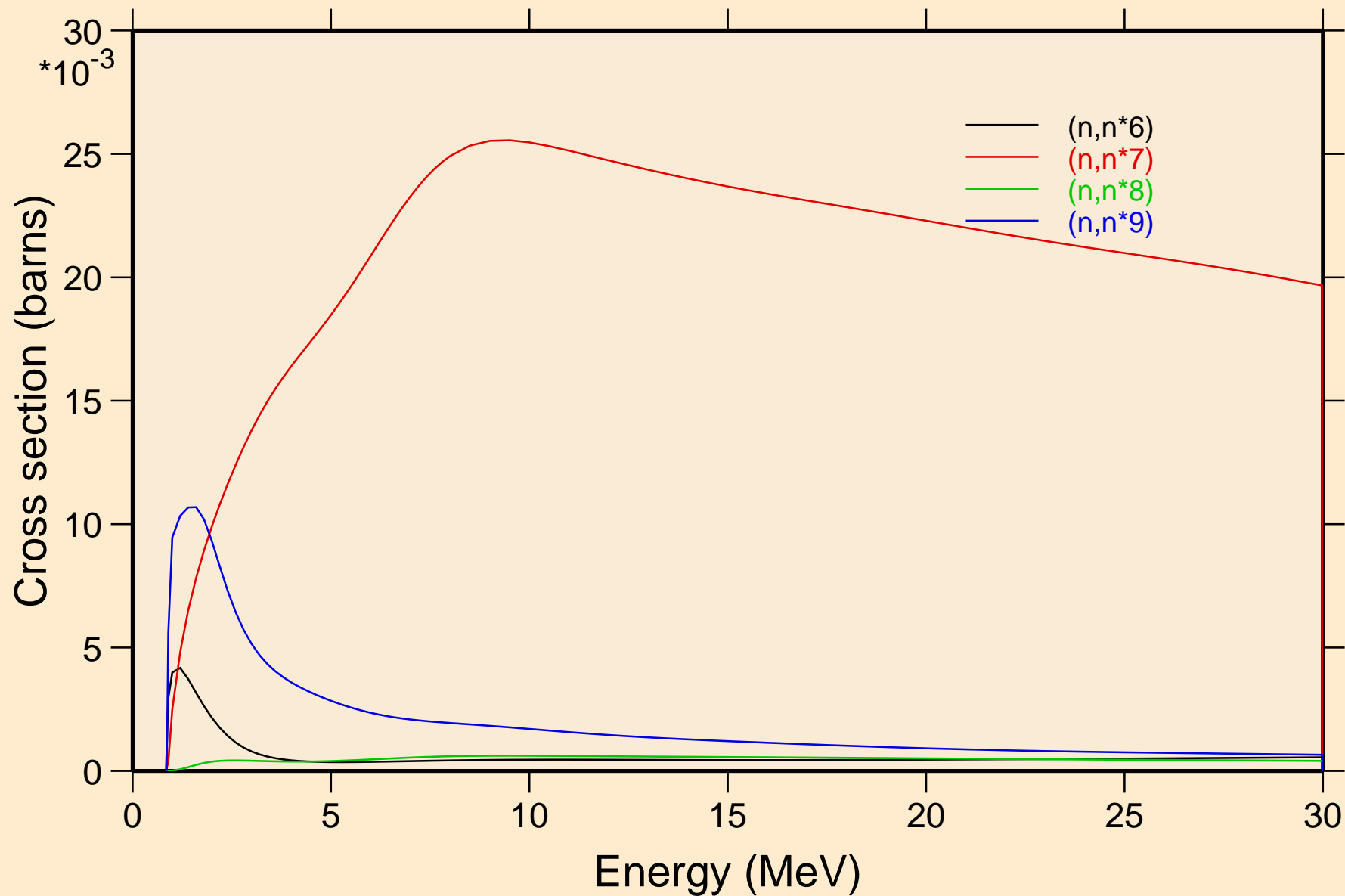


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

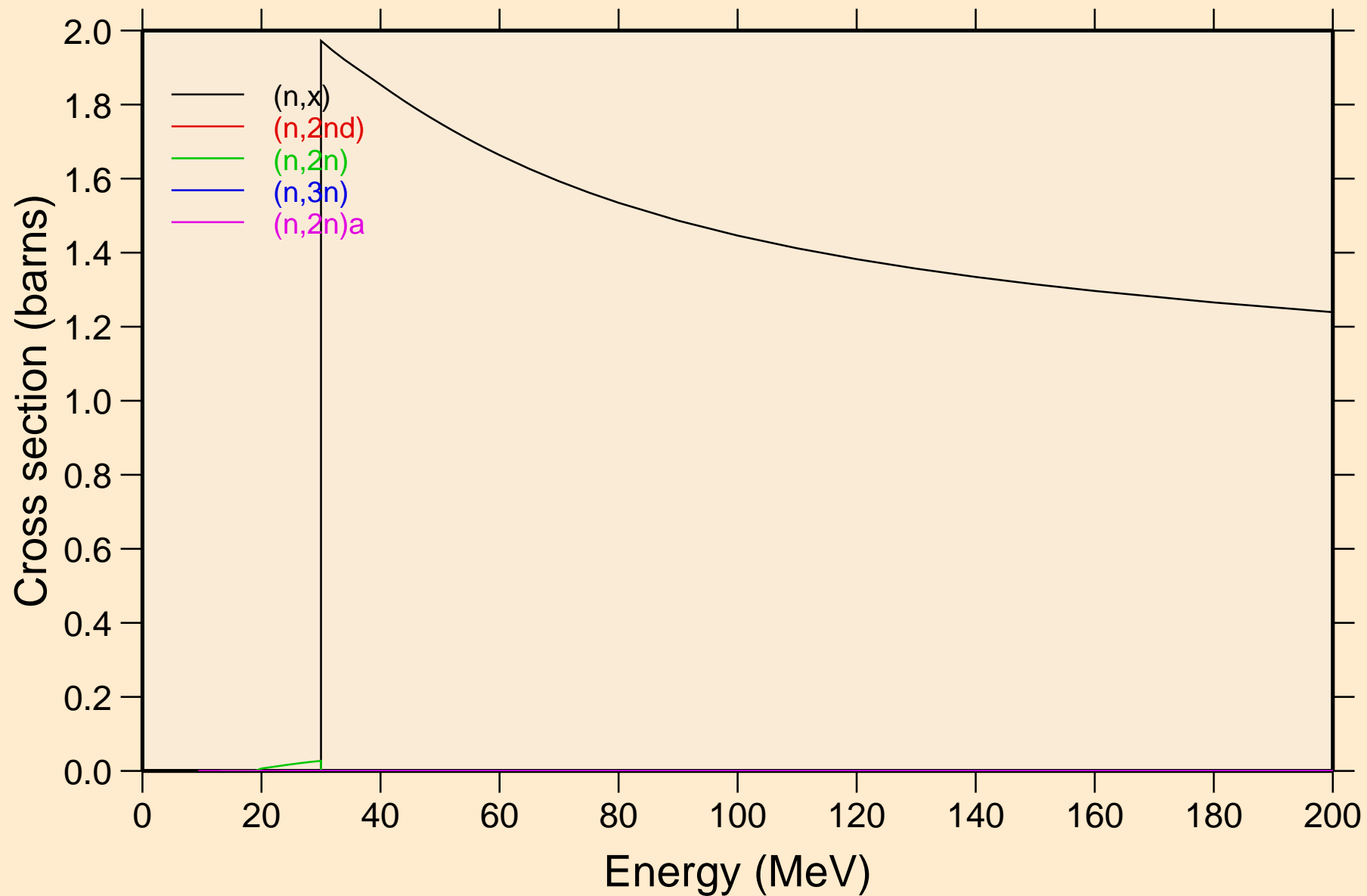


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



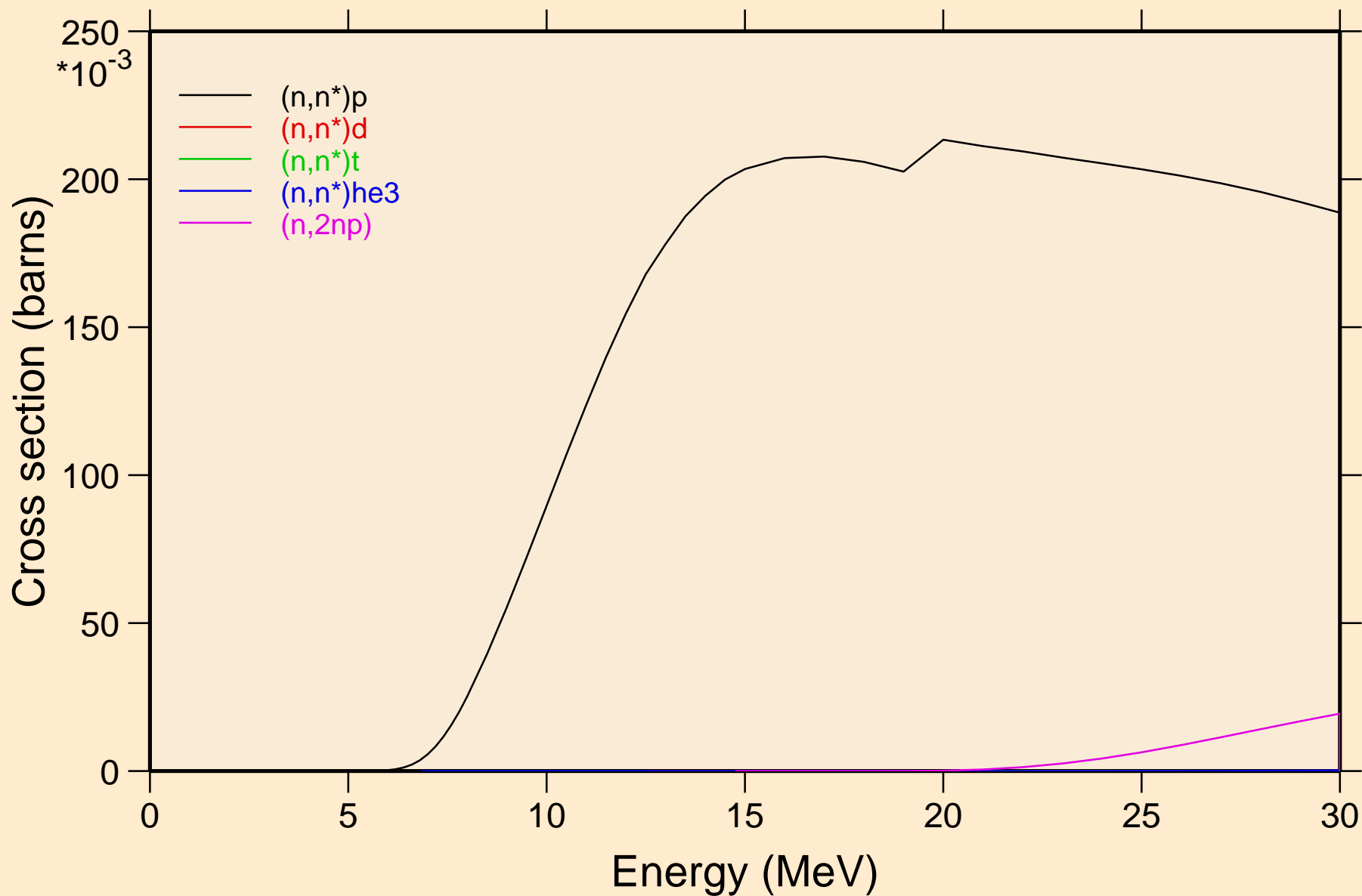
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## Threshold reactions



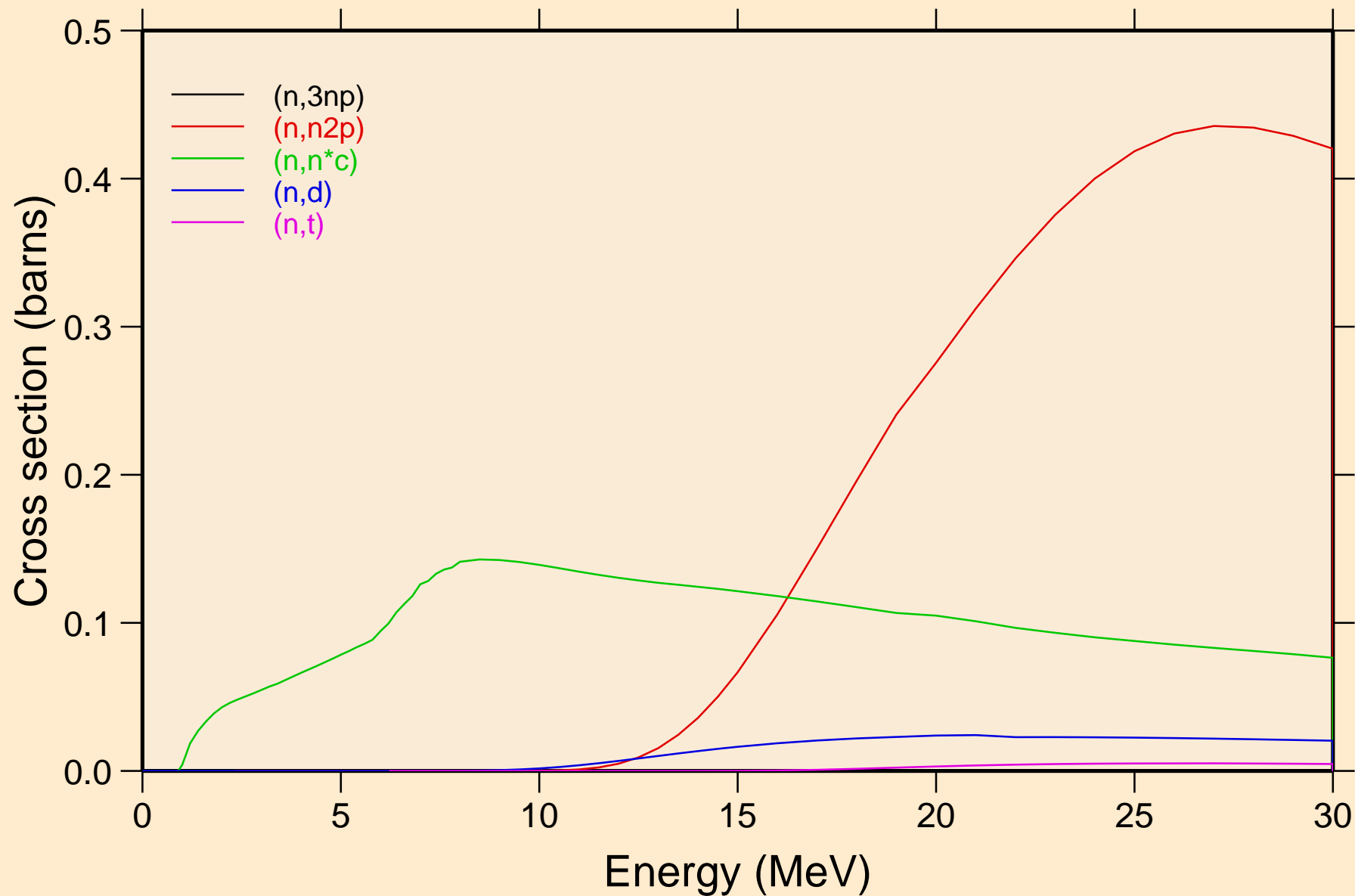
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## Threshold reactions

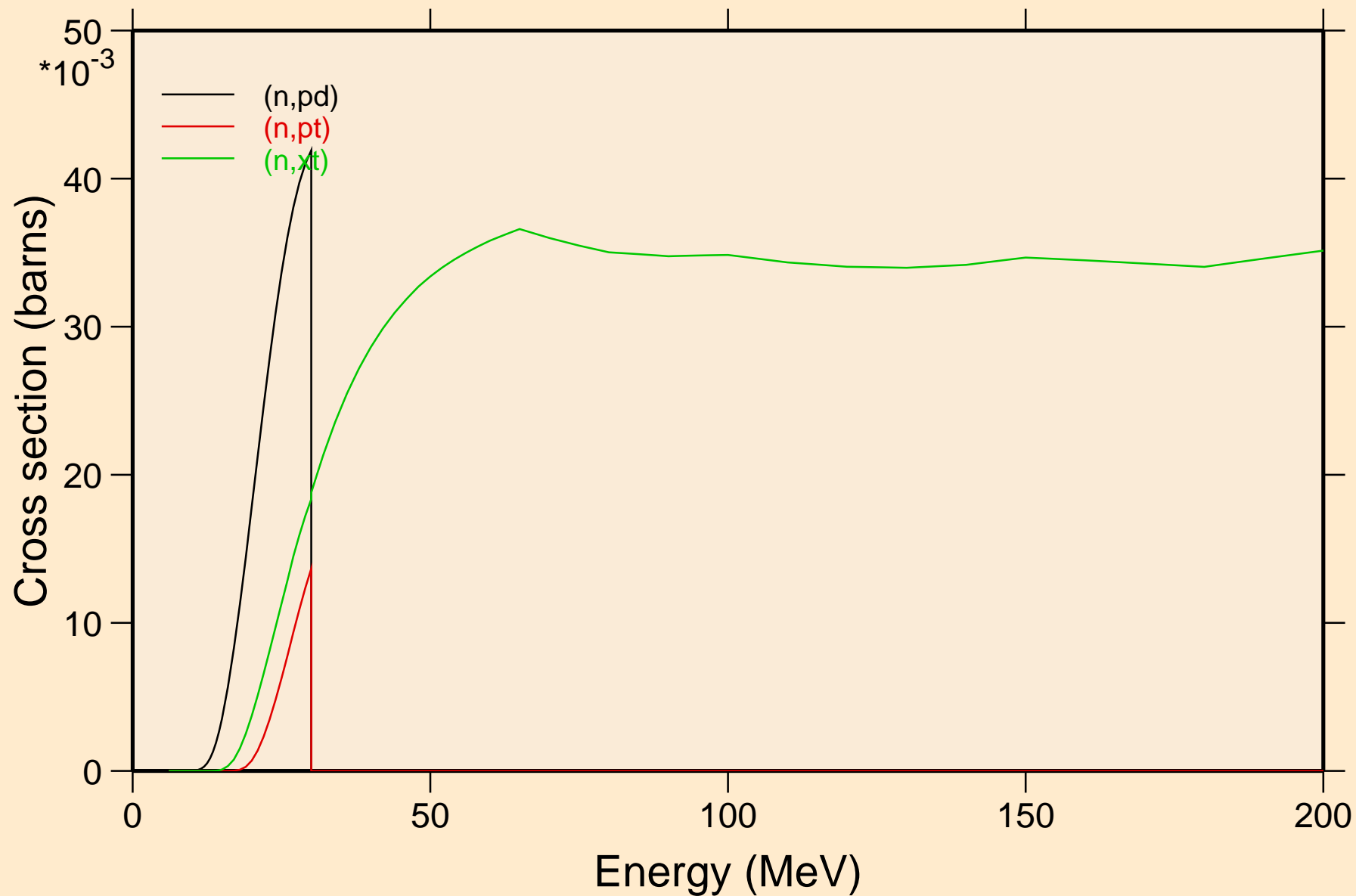


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

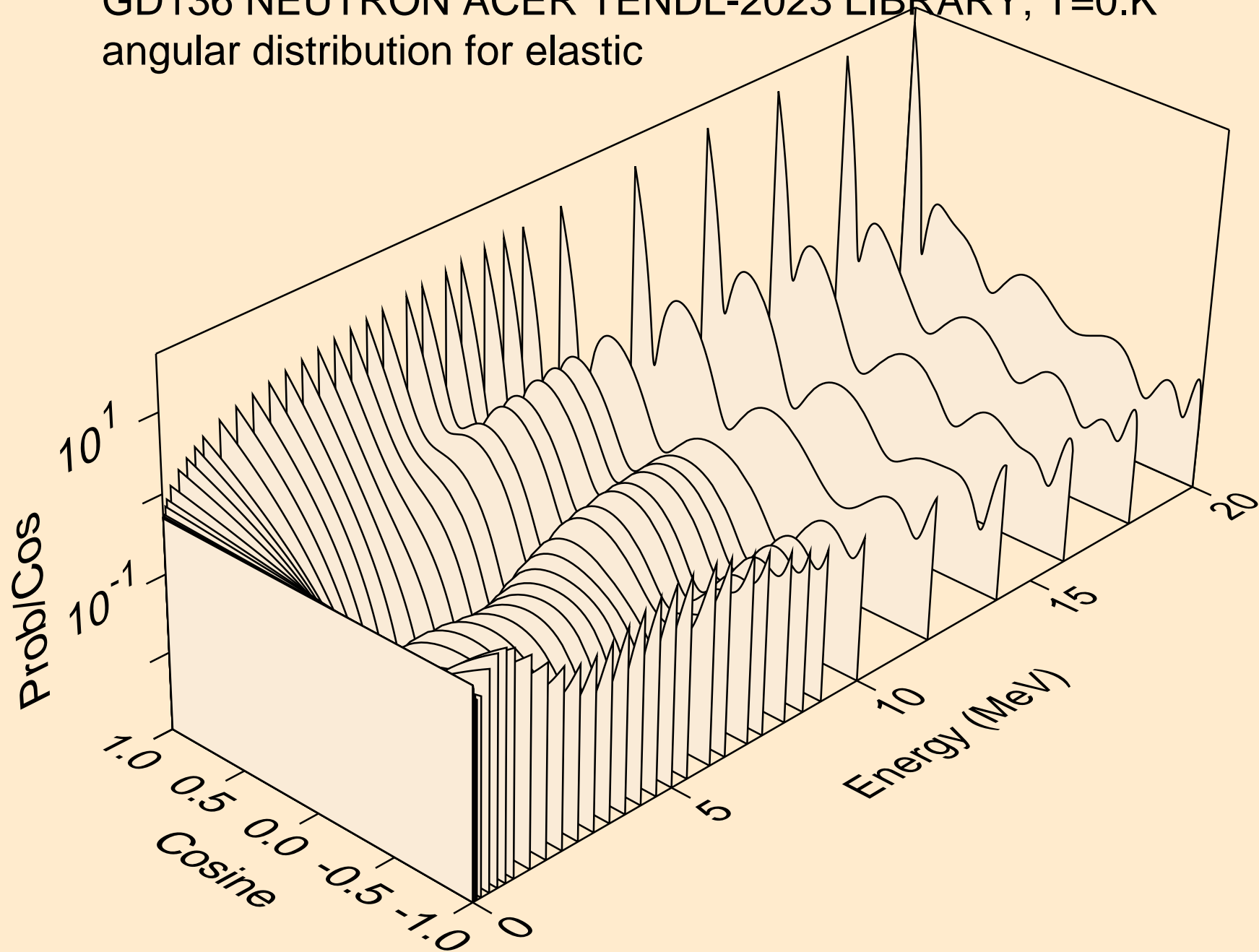
## Threshold reactions



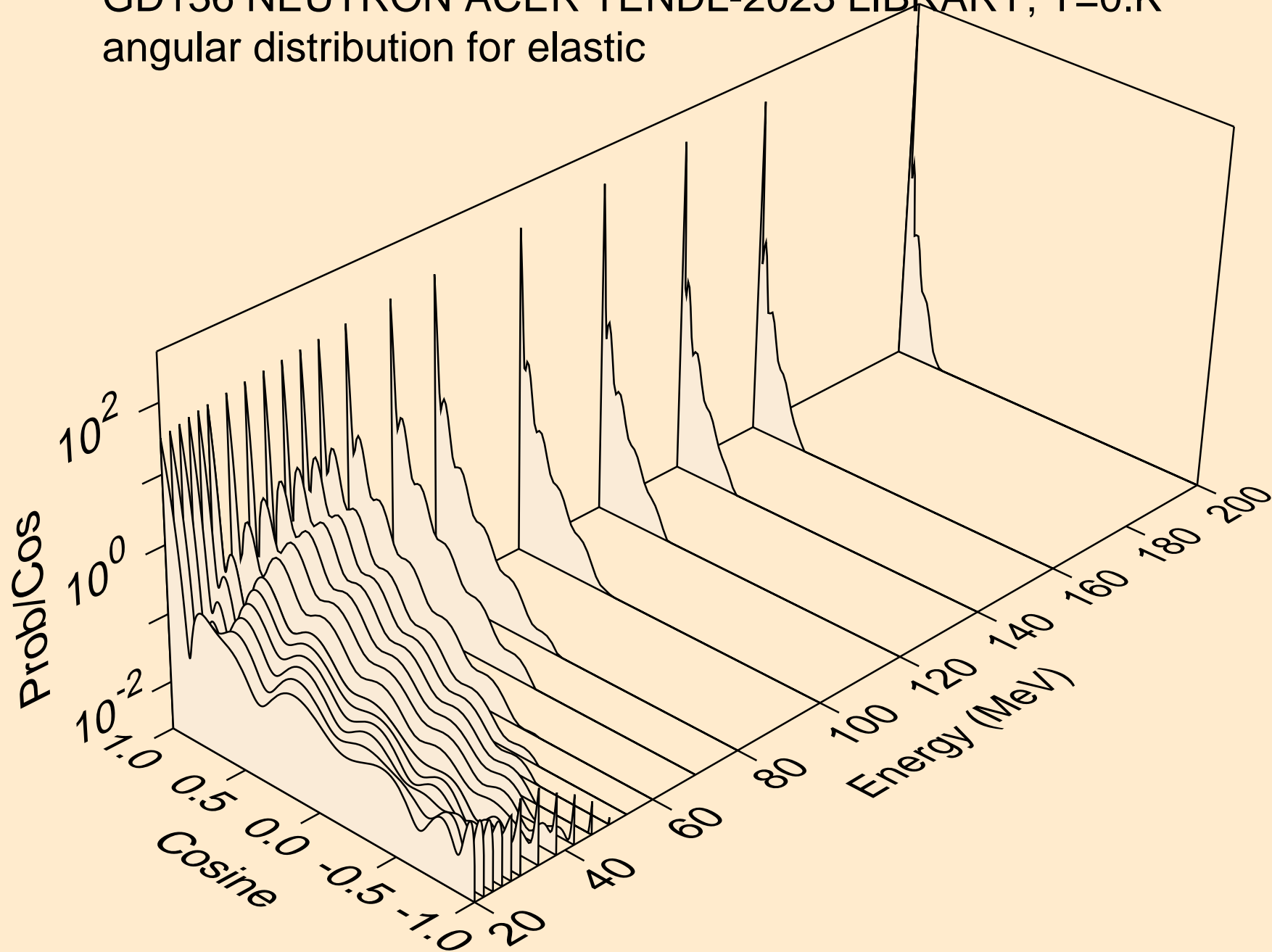
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



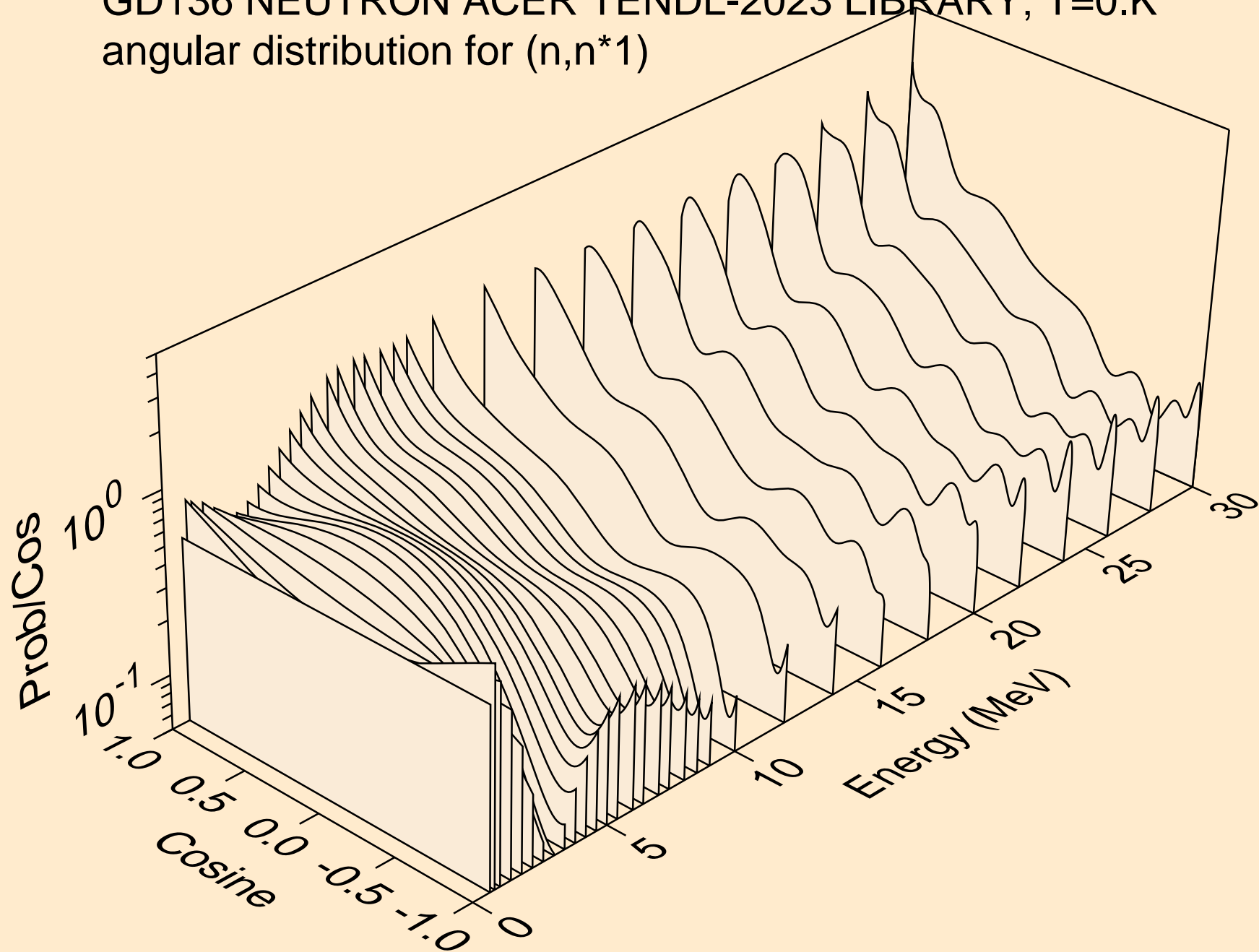
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



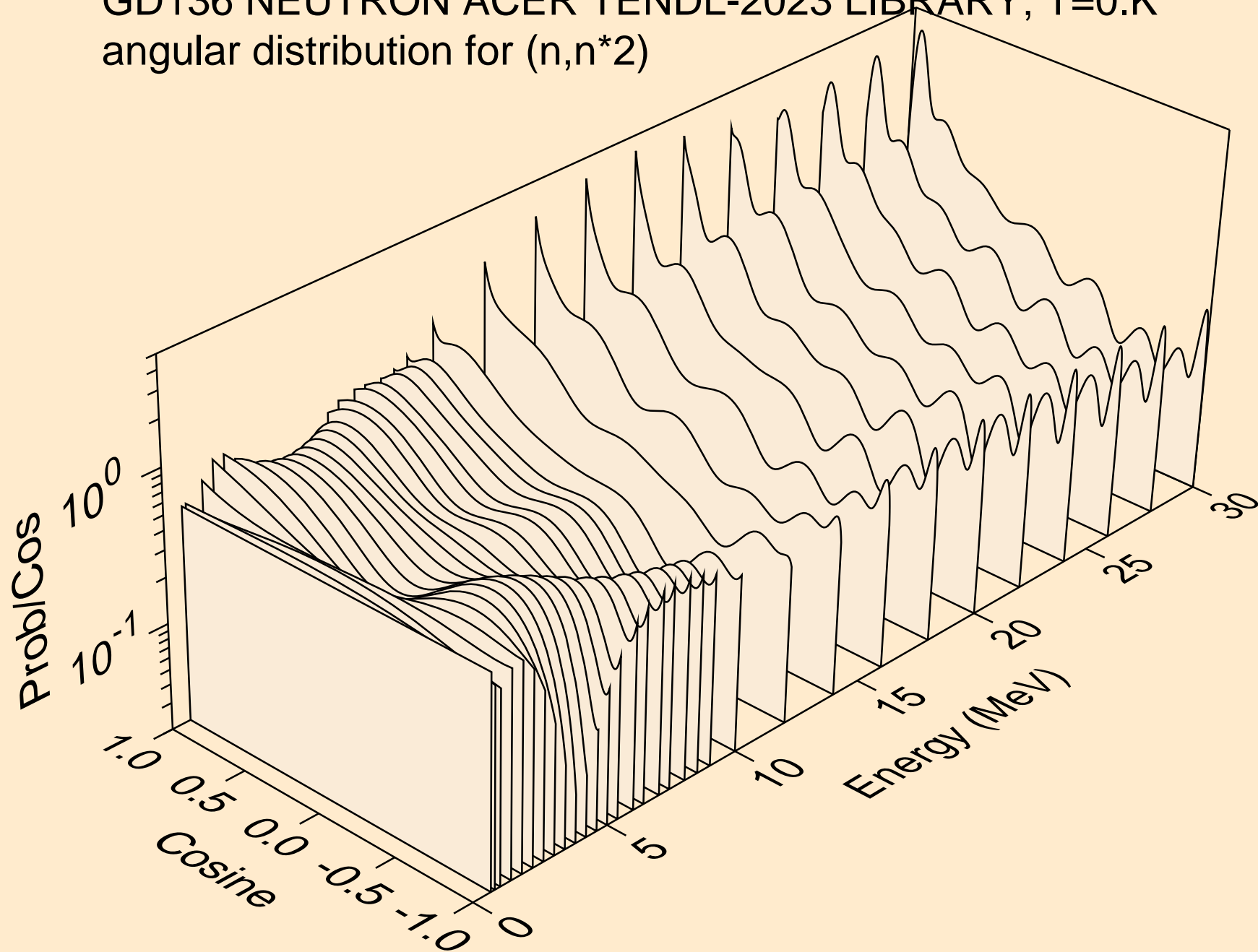
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angular distribution for elastic



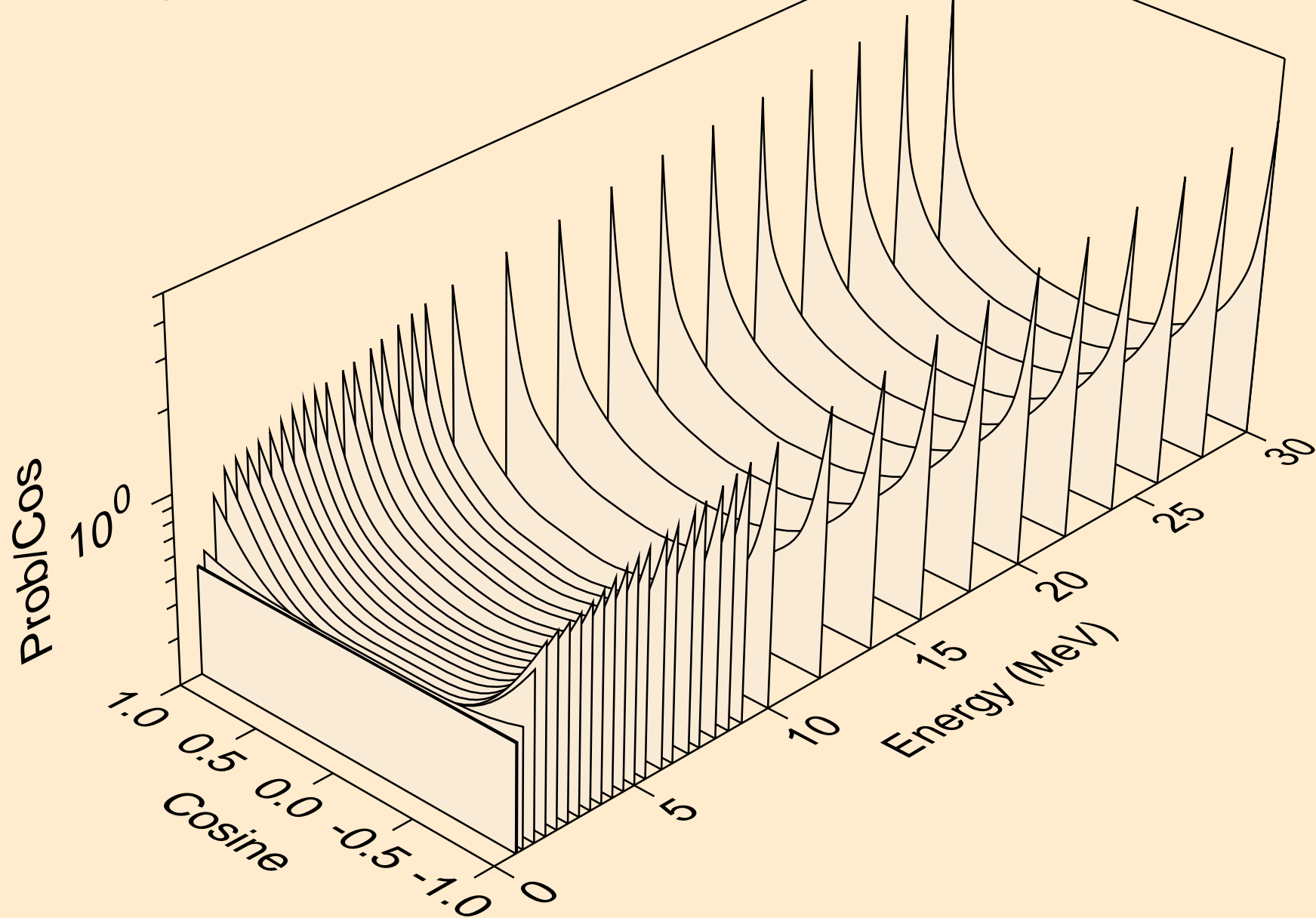
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



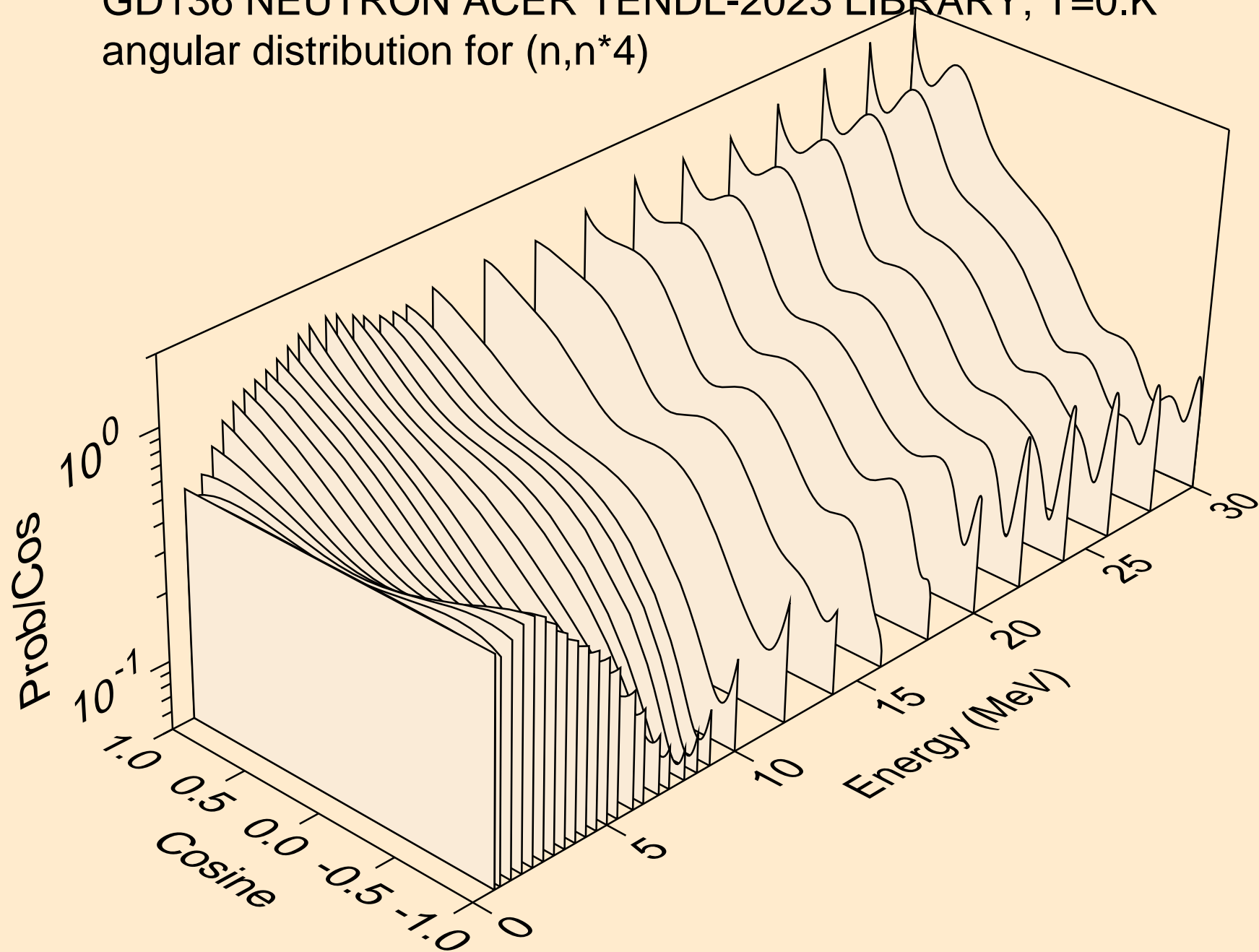
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angular distribution for (n,n\*2)



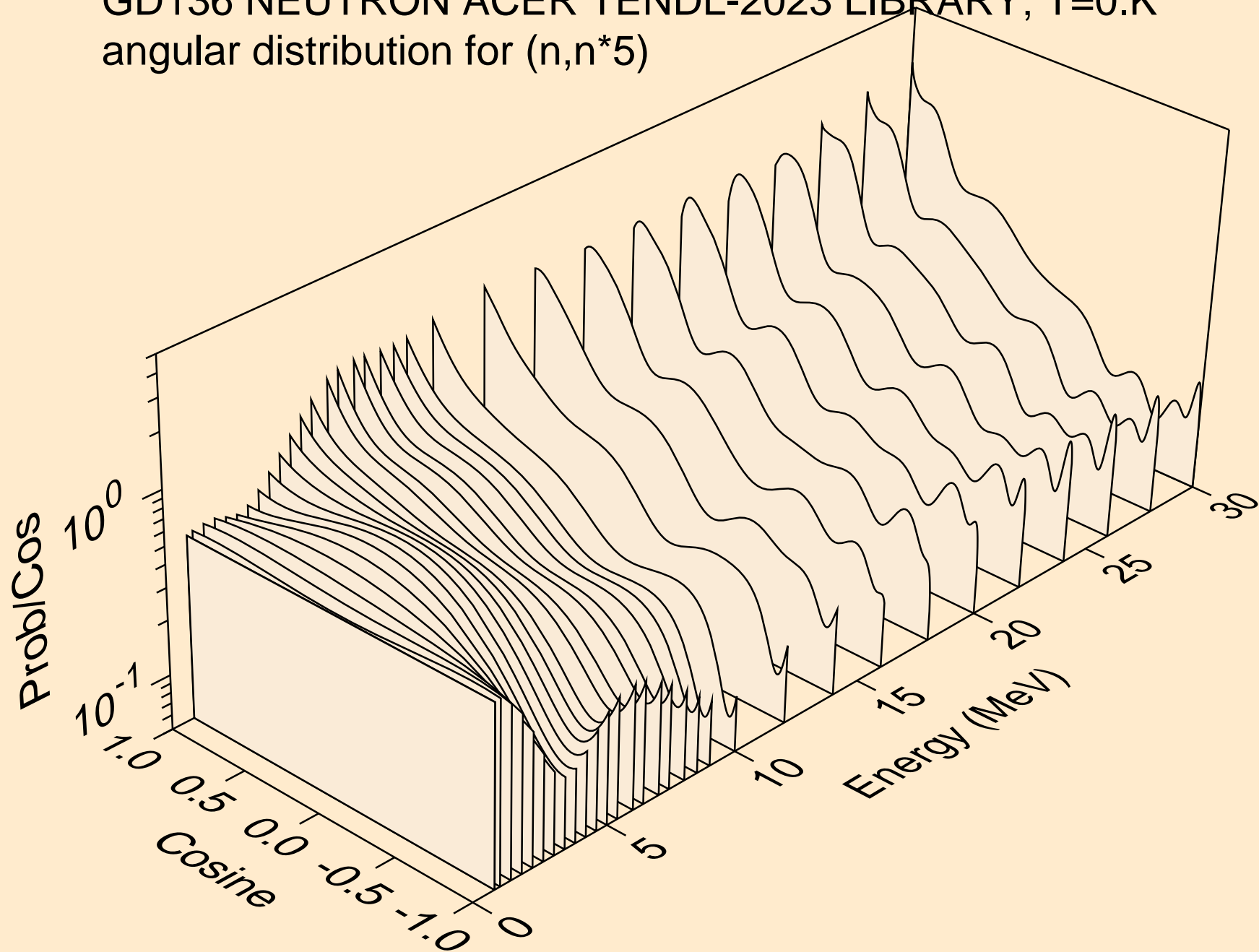
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



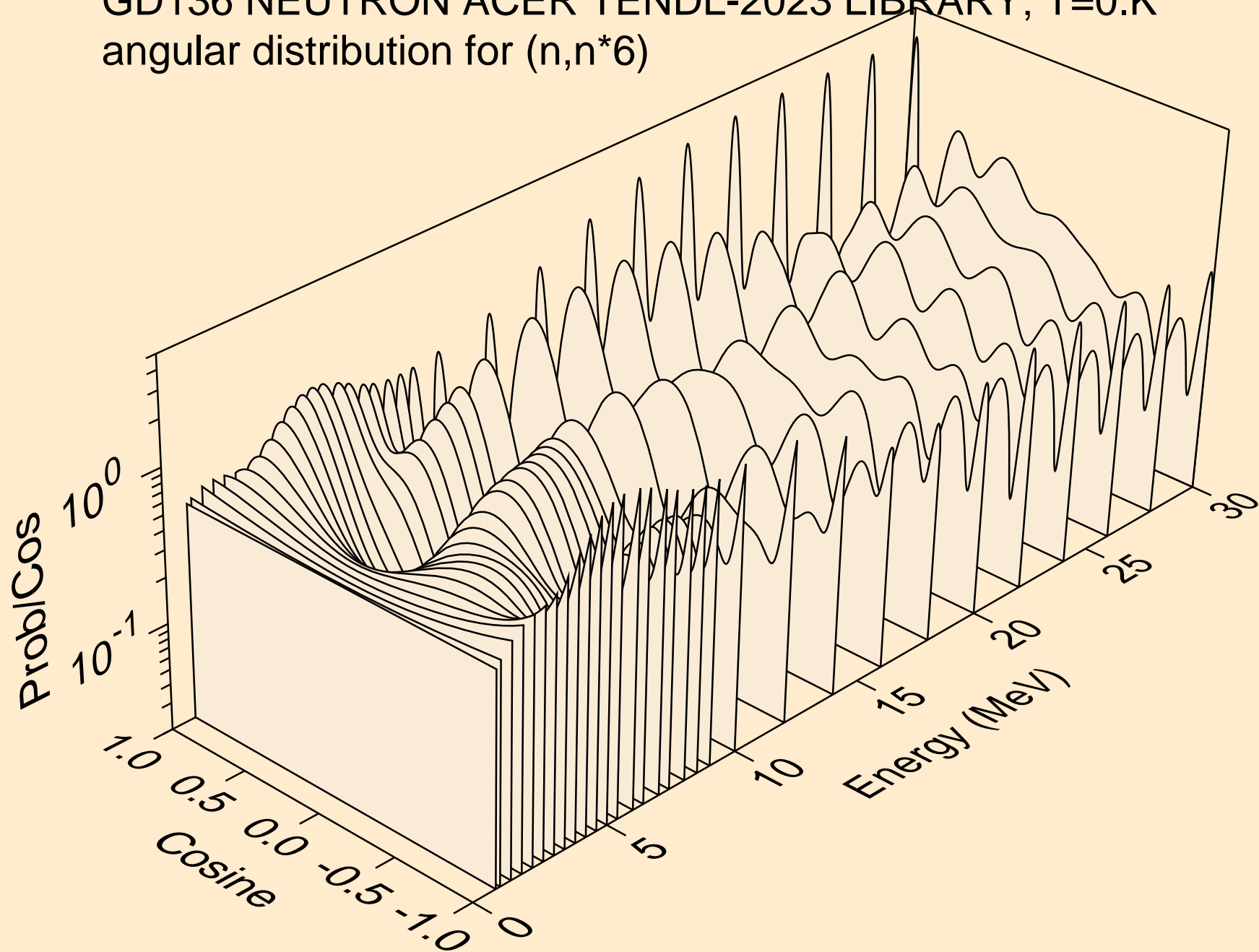
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



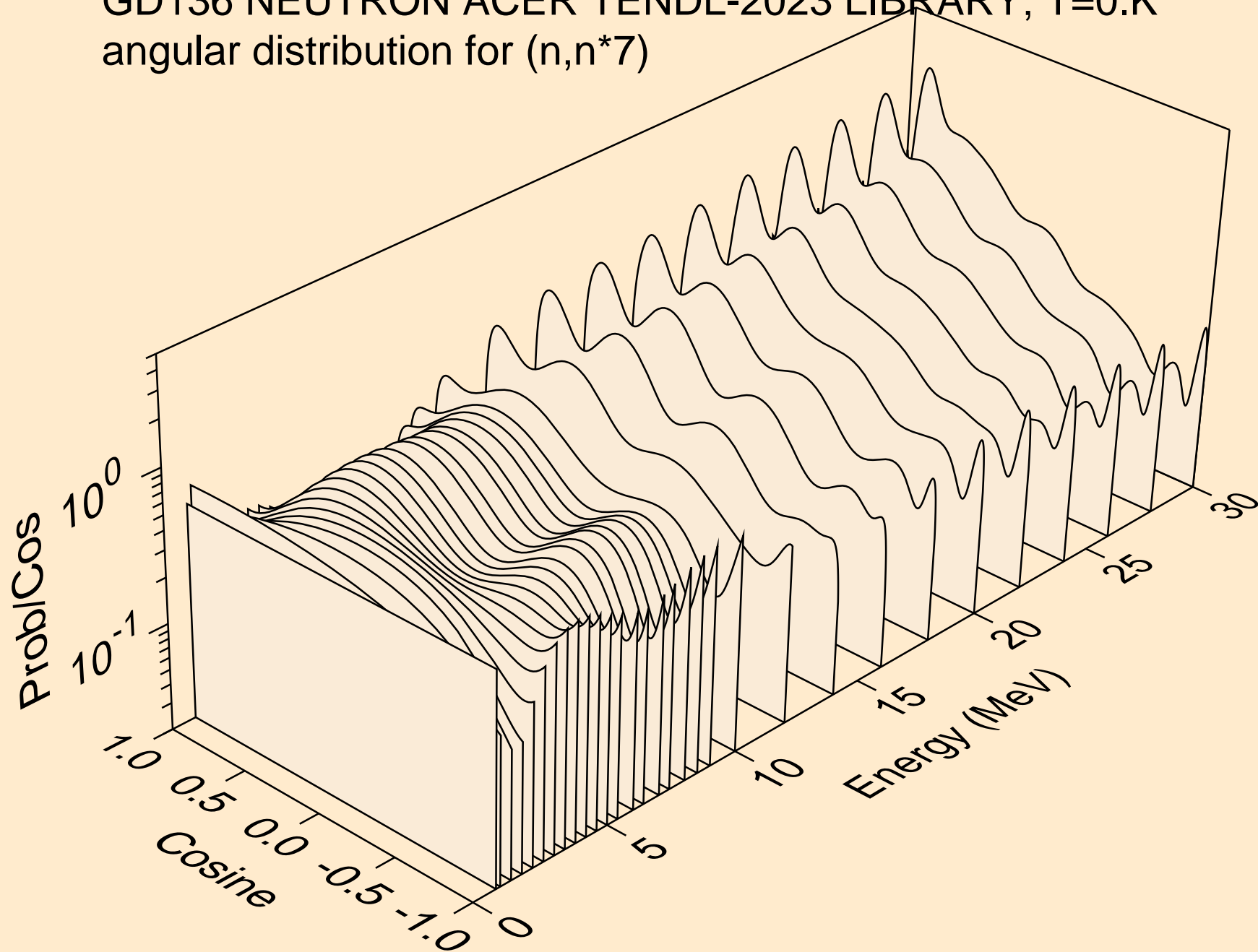
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angular distribution for (n,n\*5)



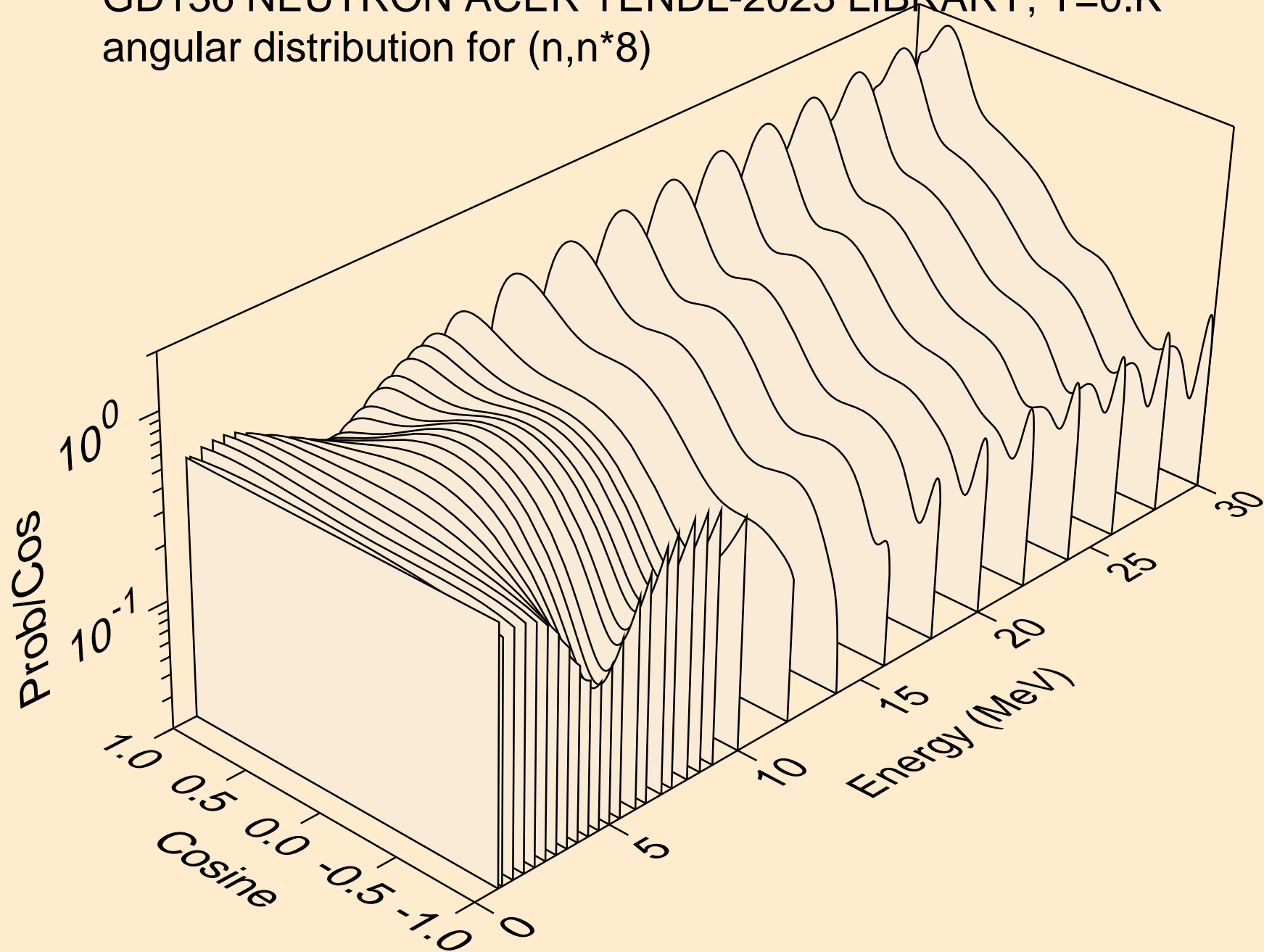
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



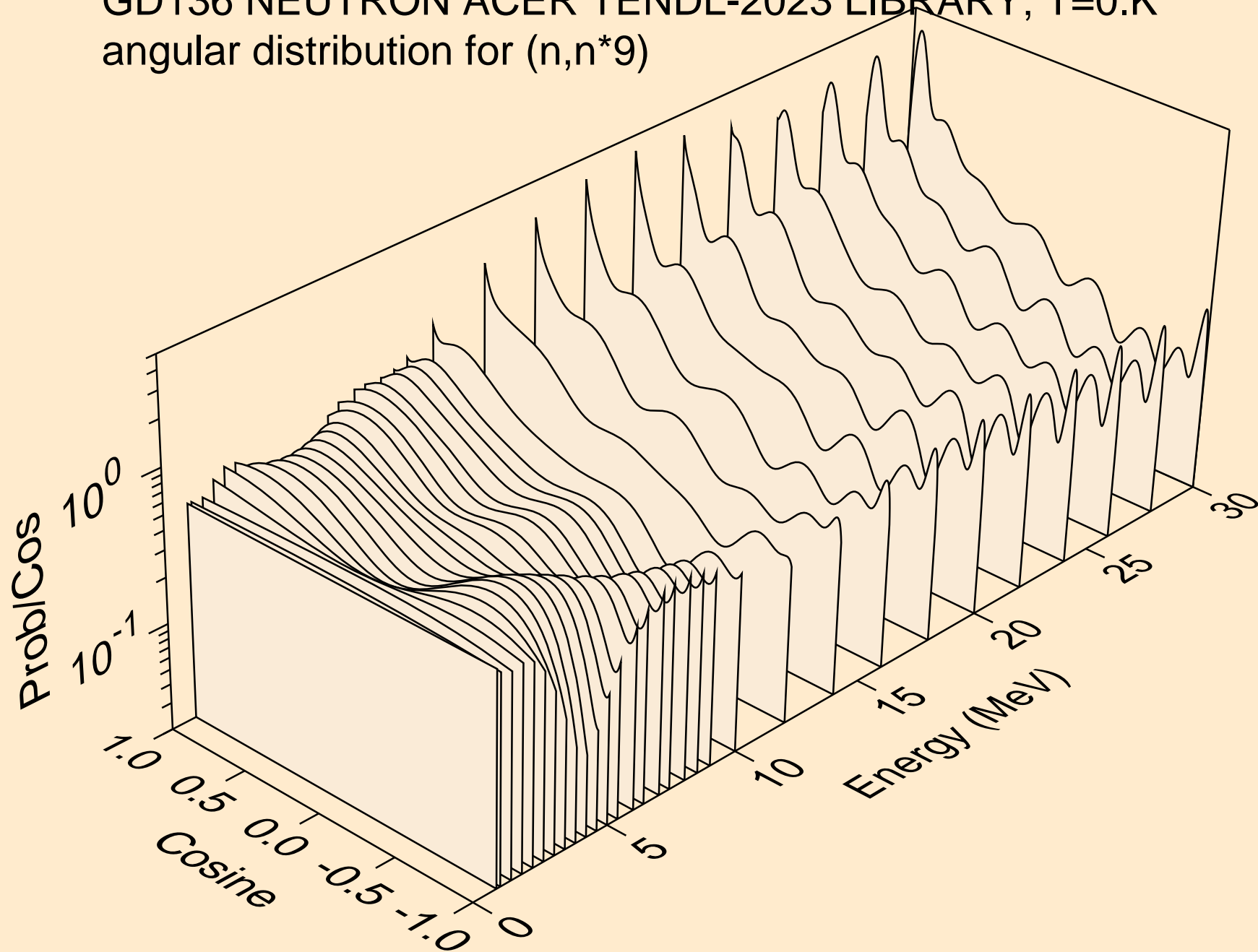
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angular distribution for (n,n\*7)



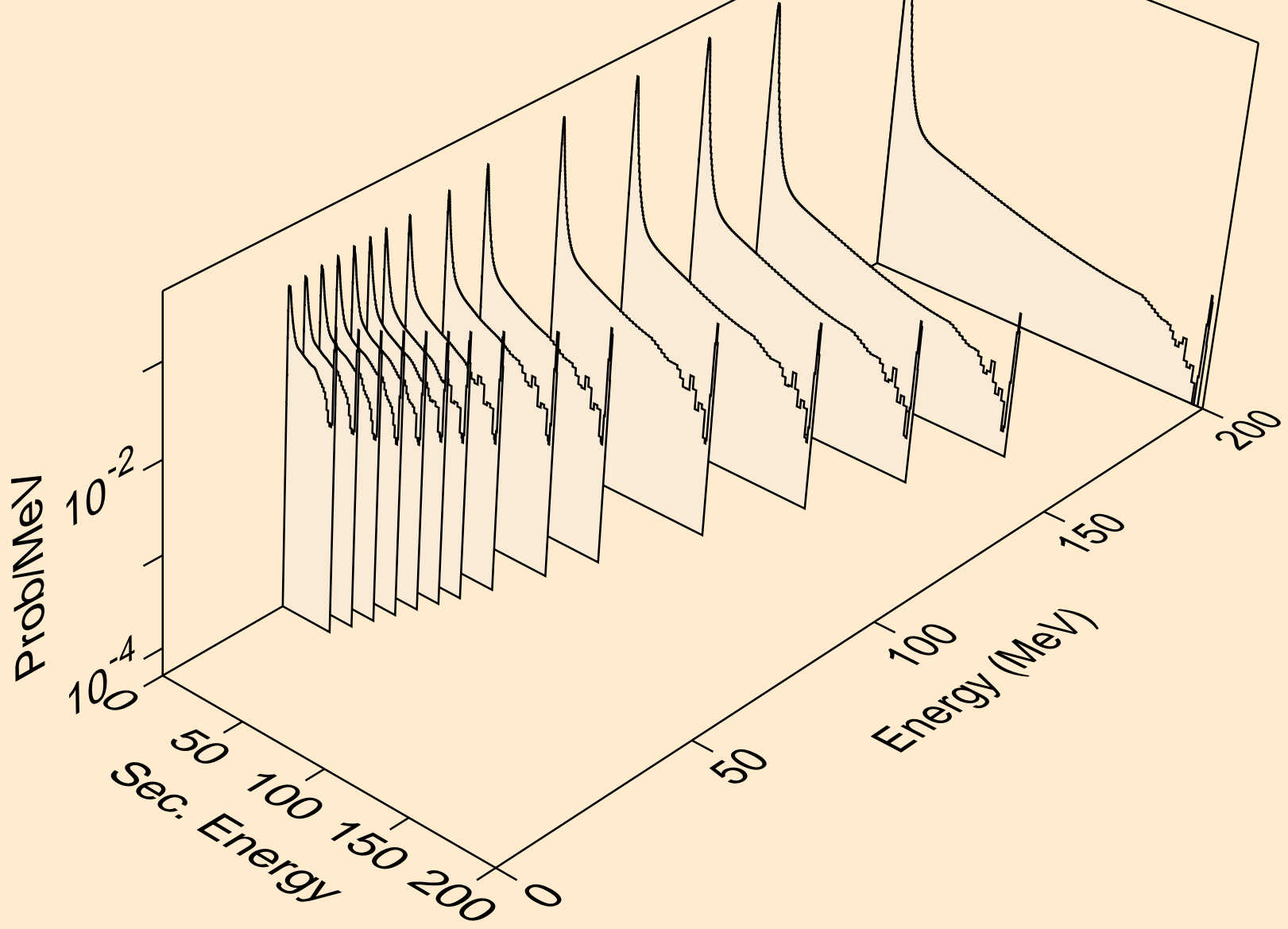
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angular distribution for (n,n\*8)



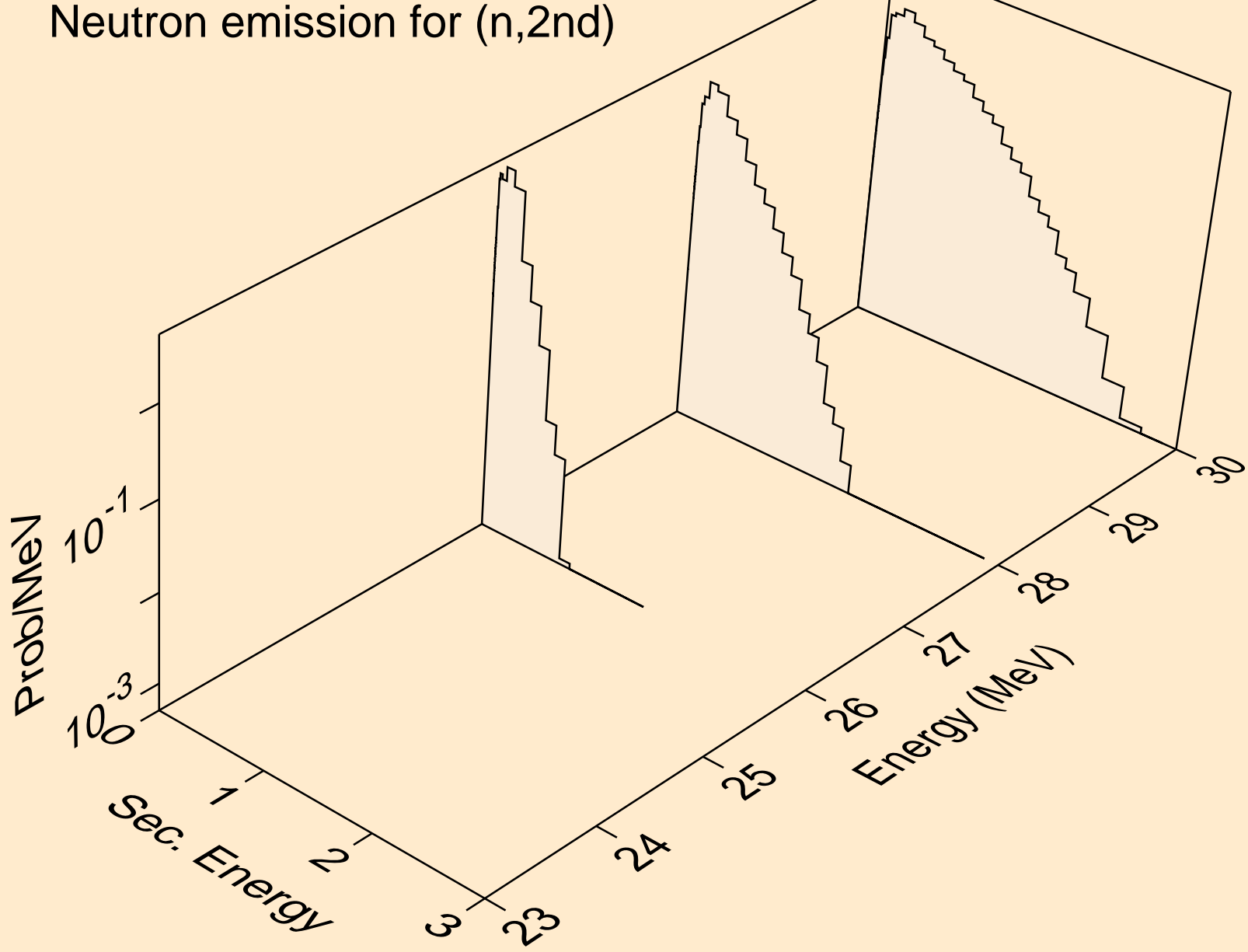
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



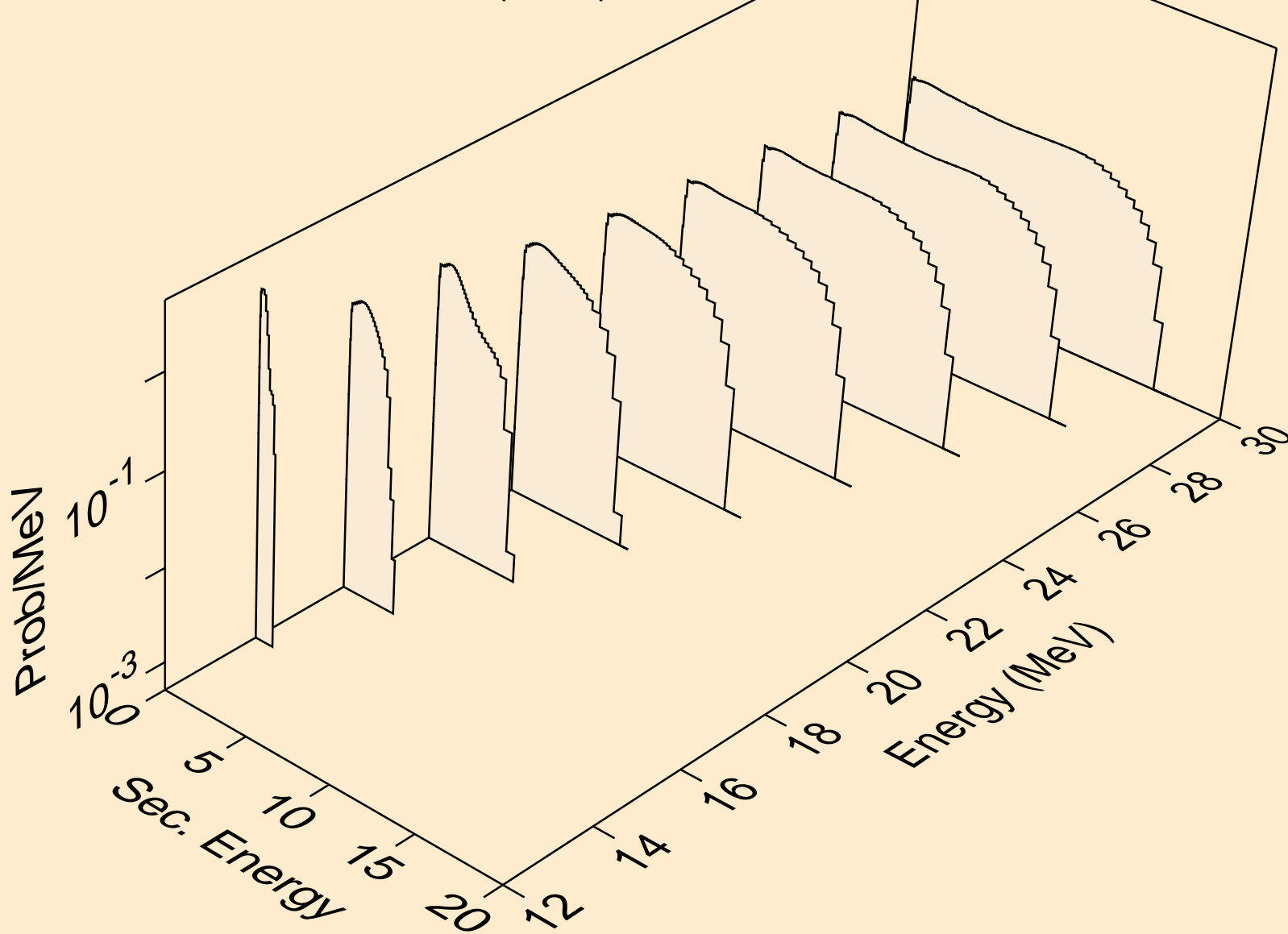
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



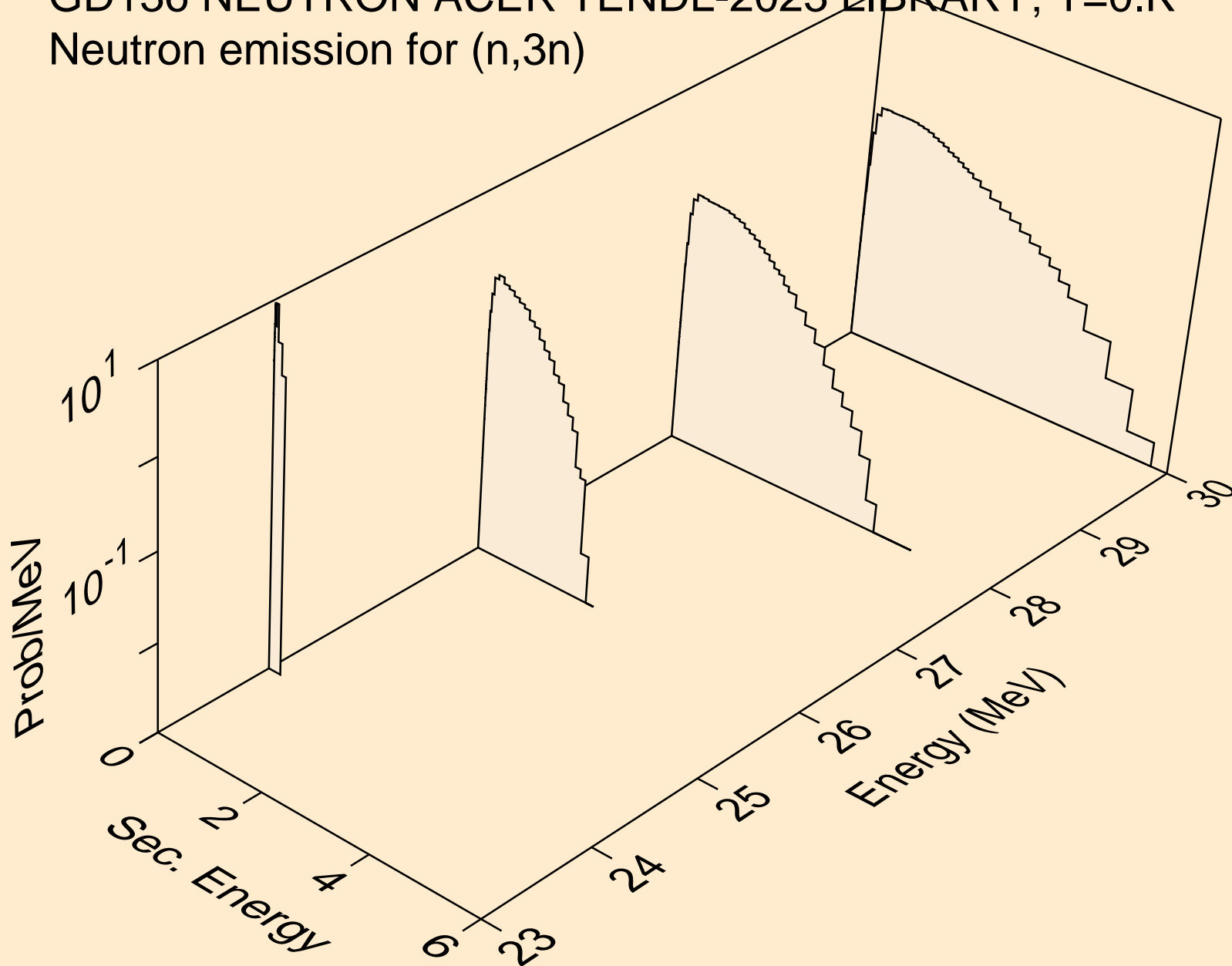
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



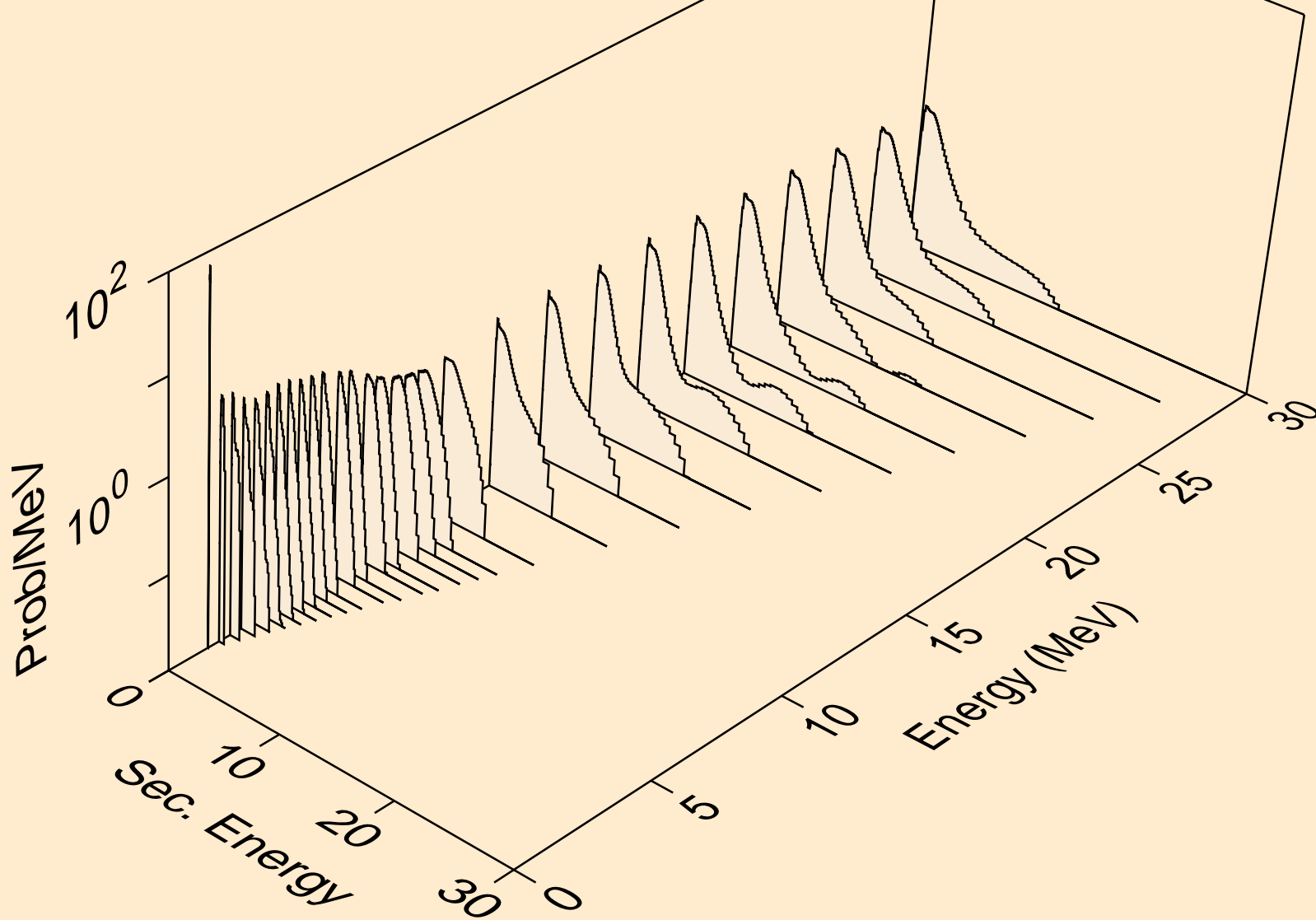
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



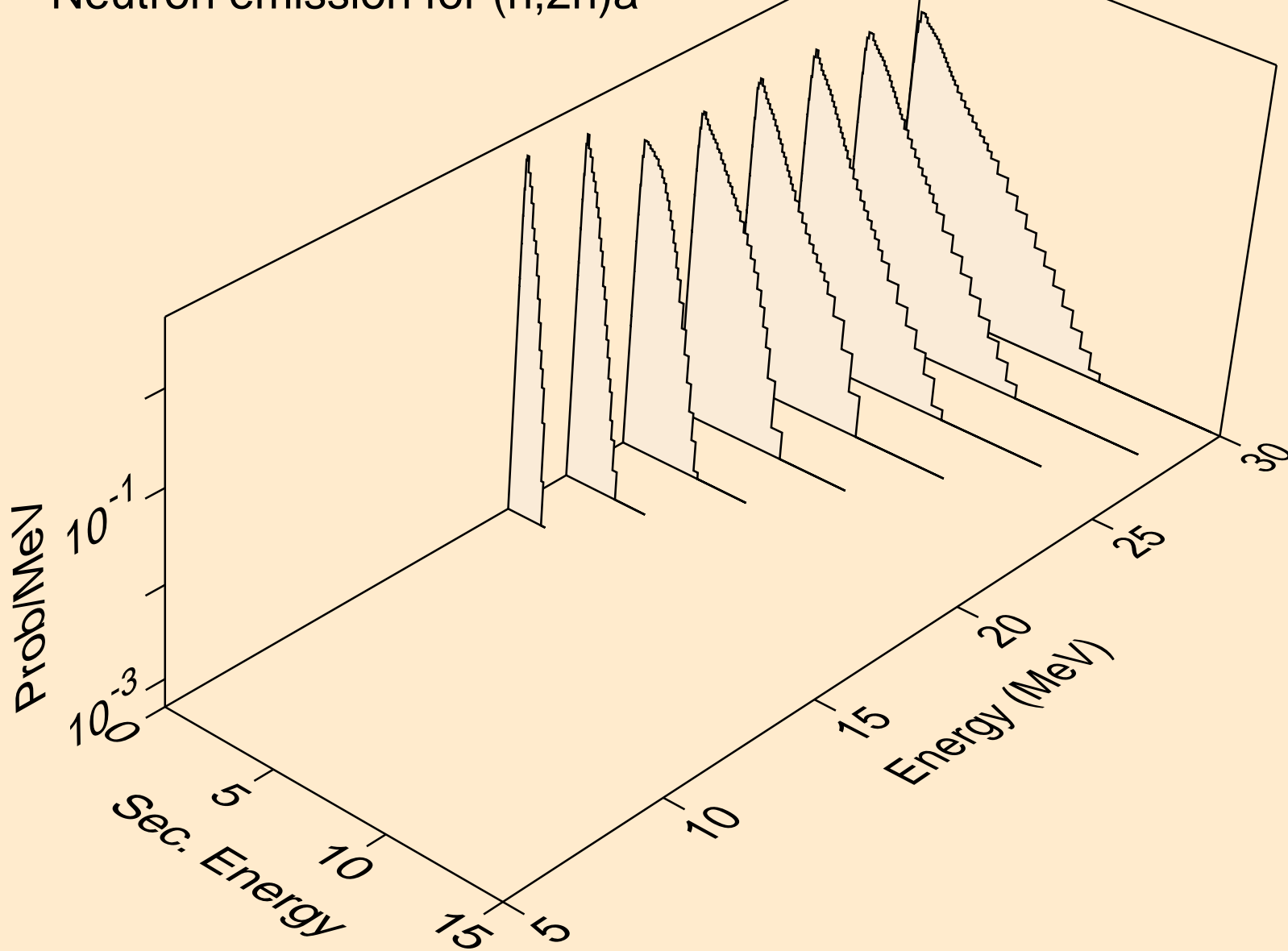
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



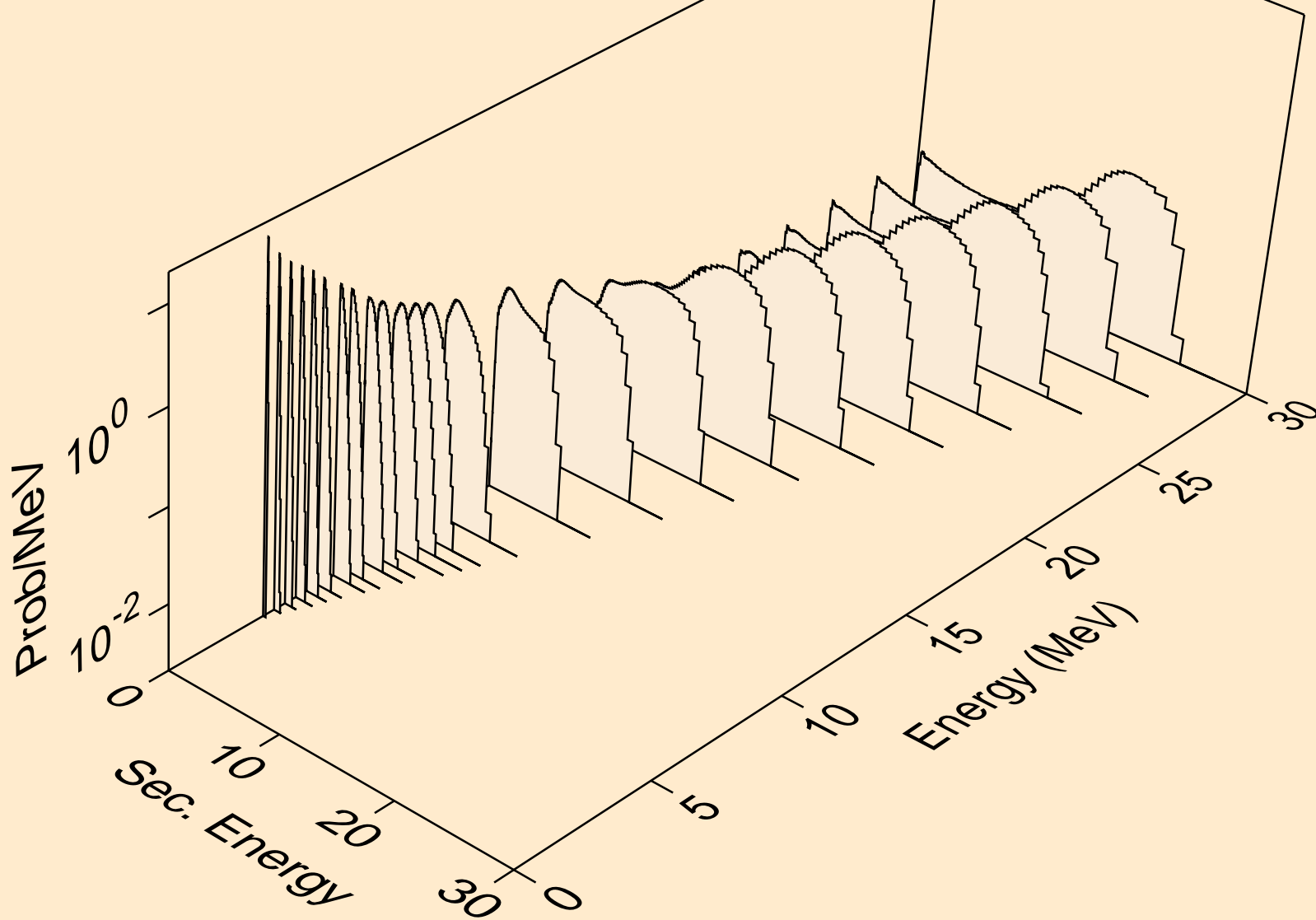
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



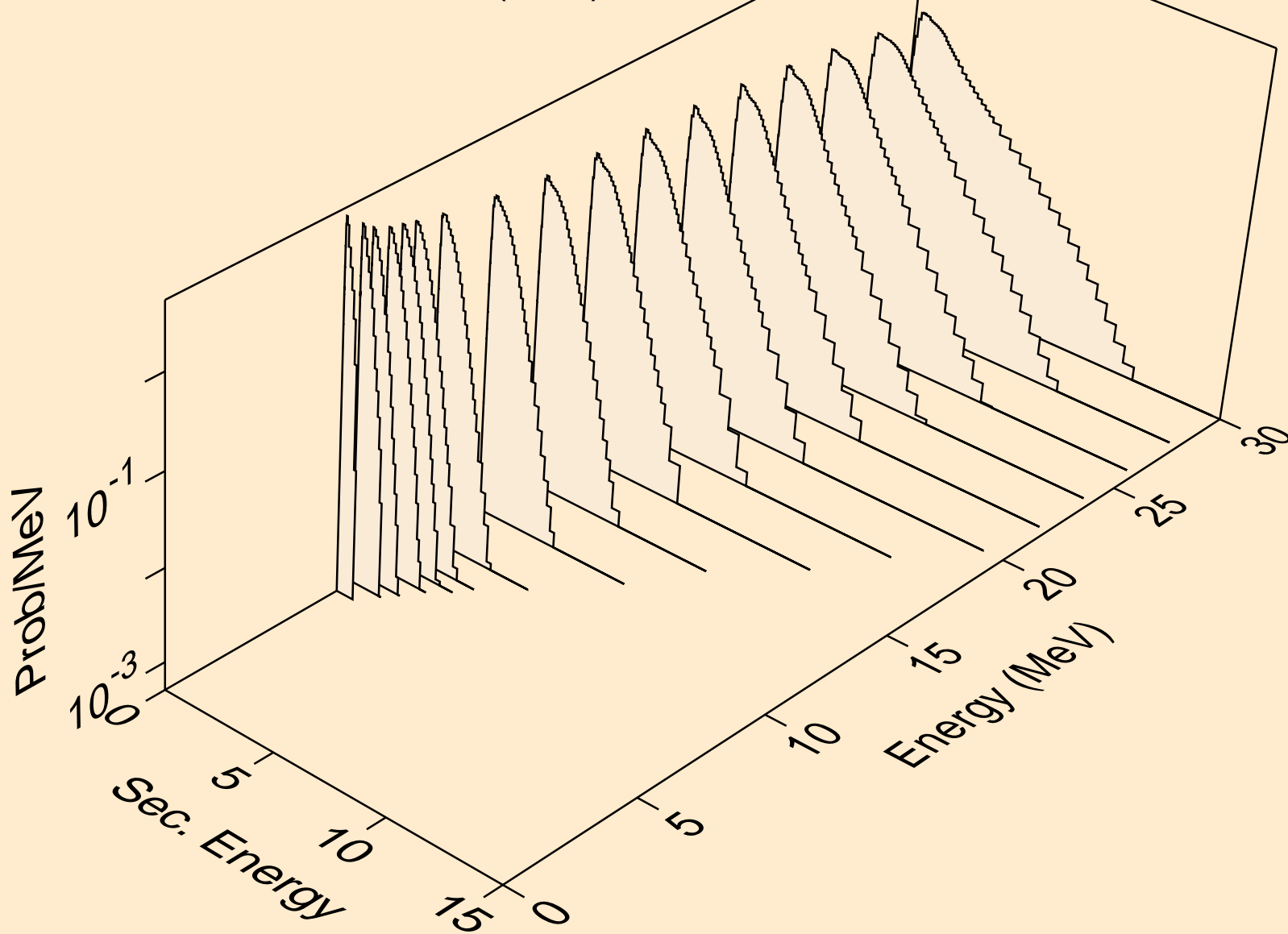
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Neutron emission for (n,2n)a



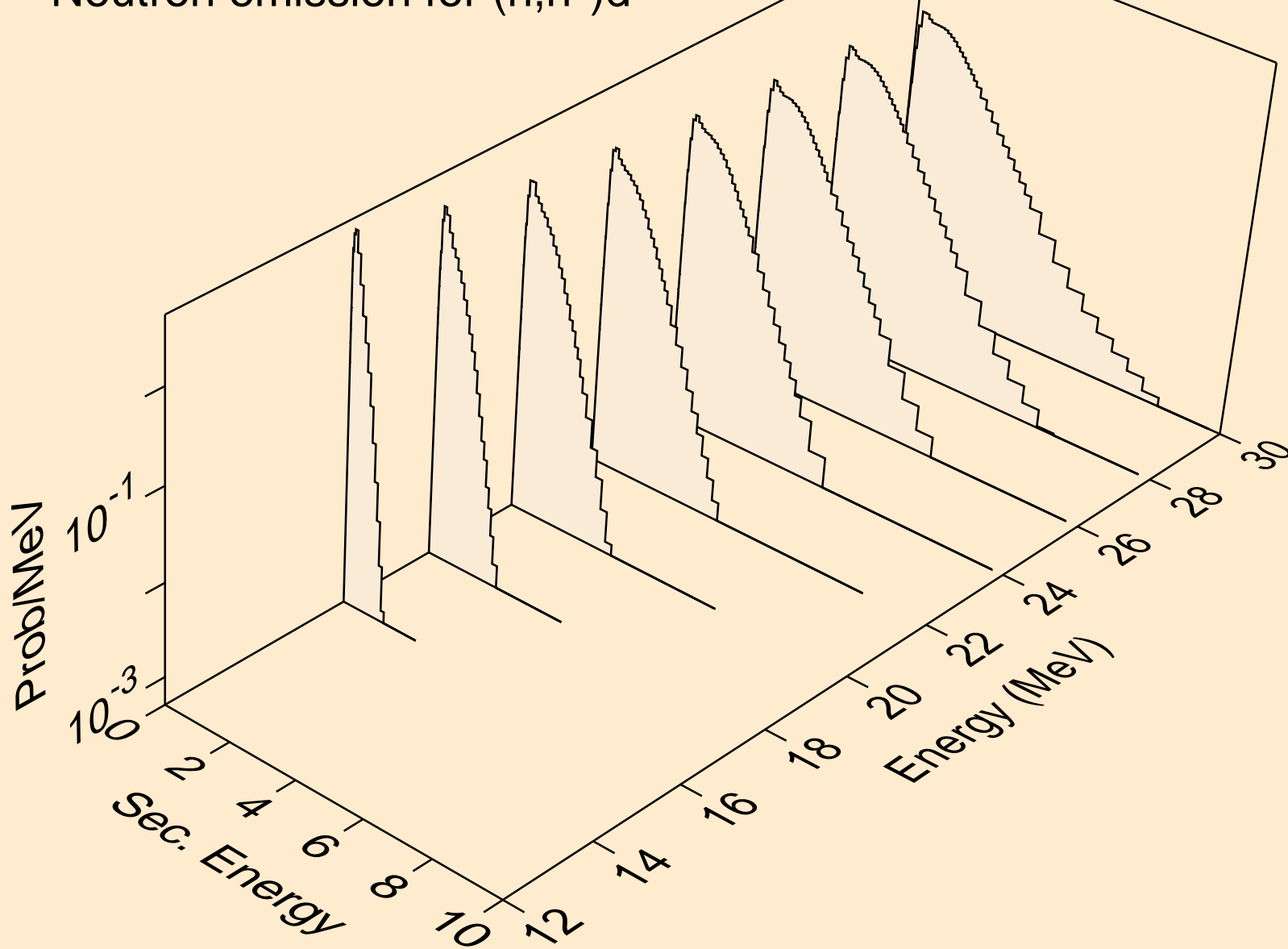
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



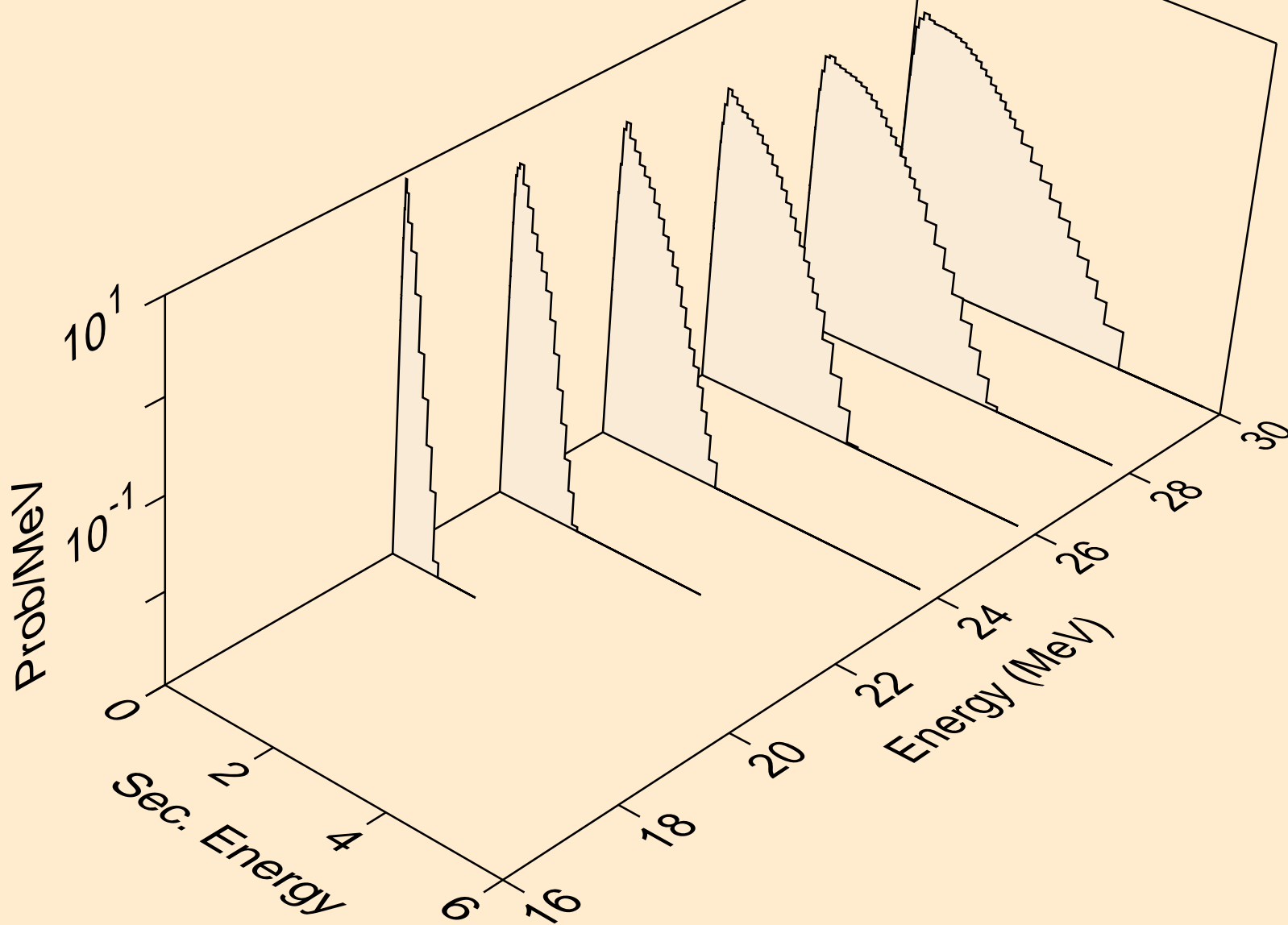
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Neutron emission for (n,n\*)2a



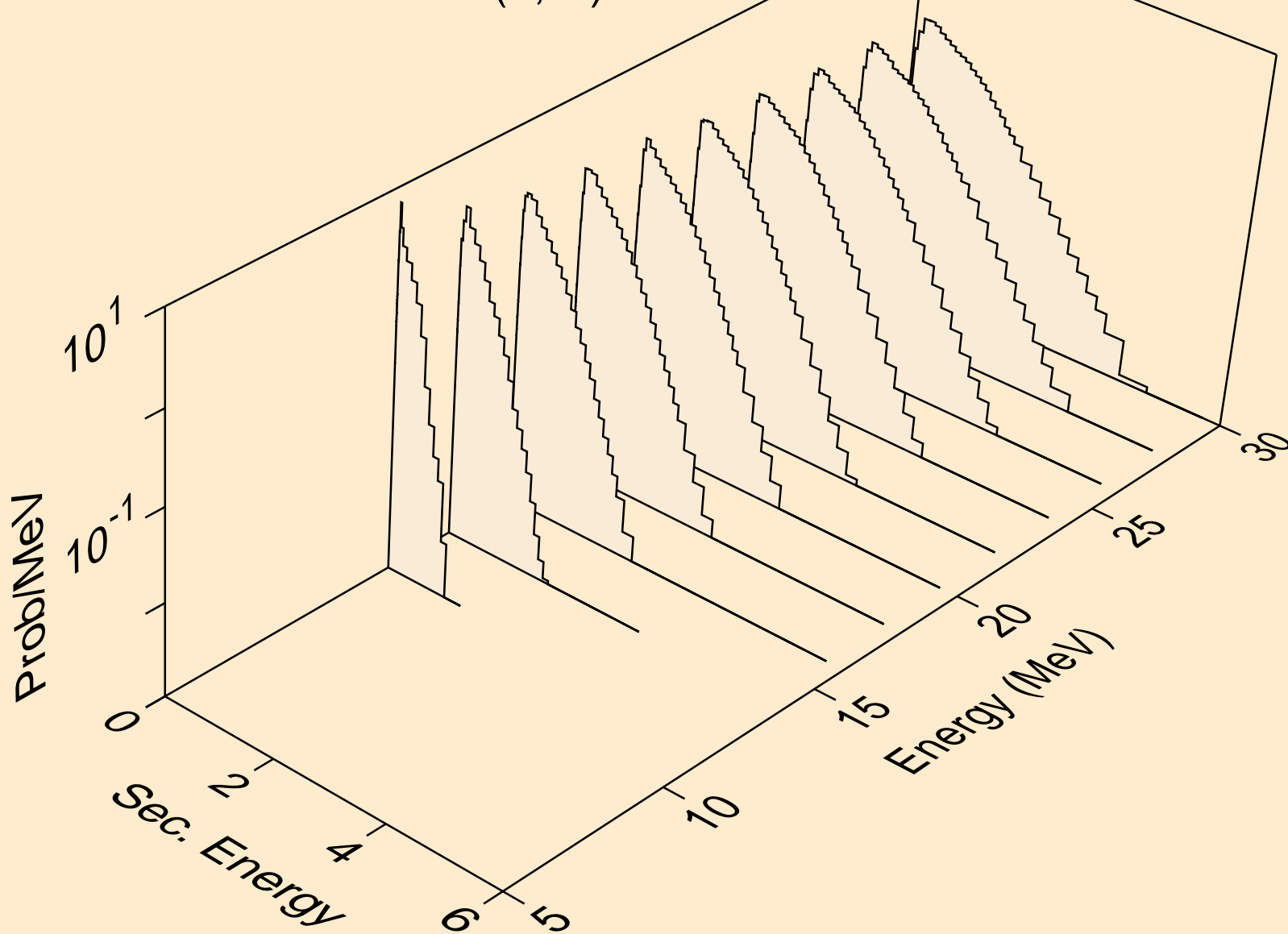
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



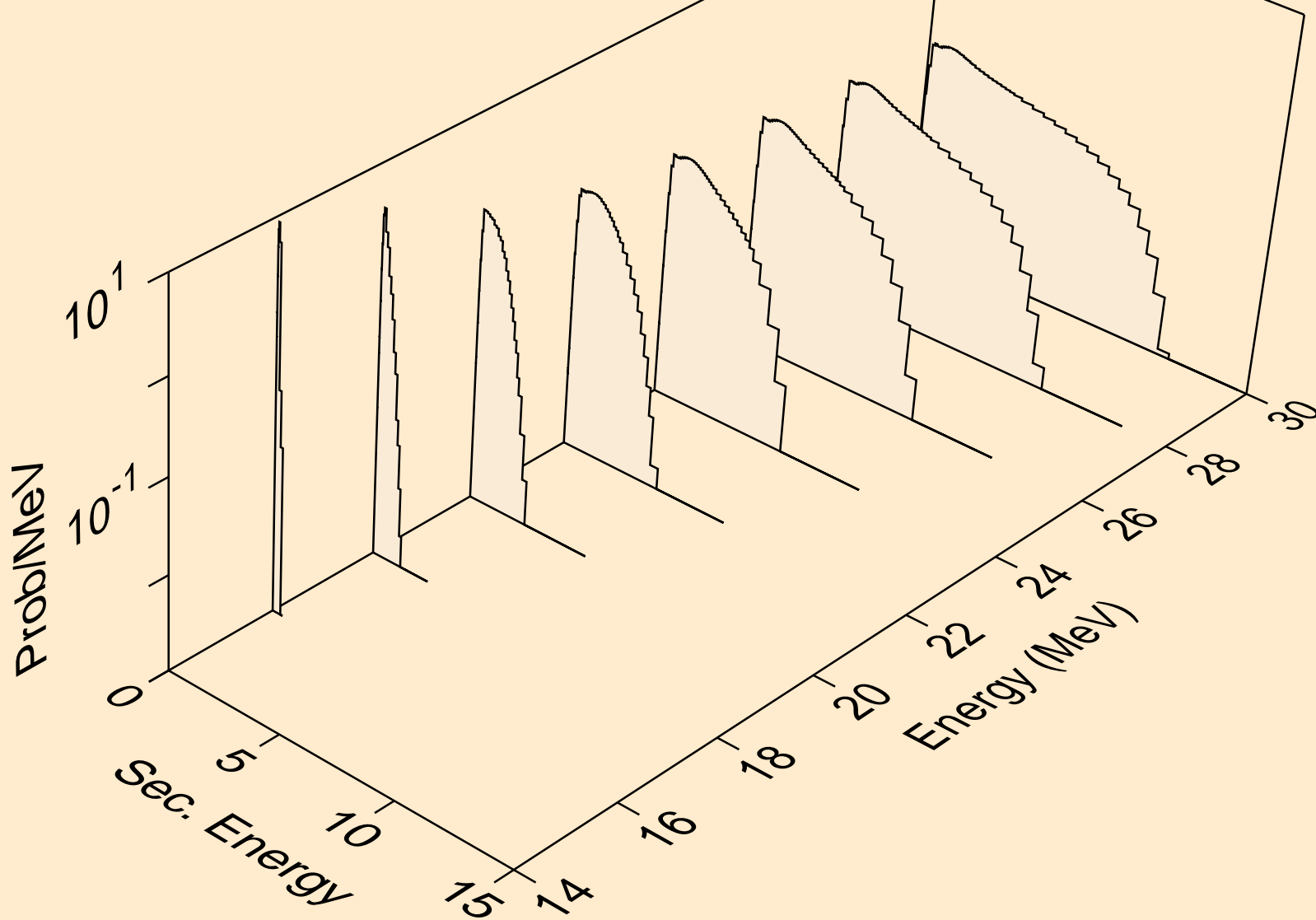
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



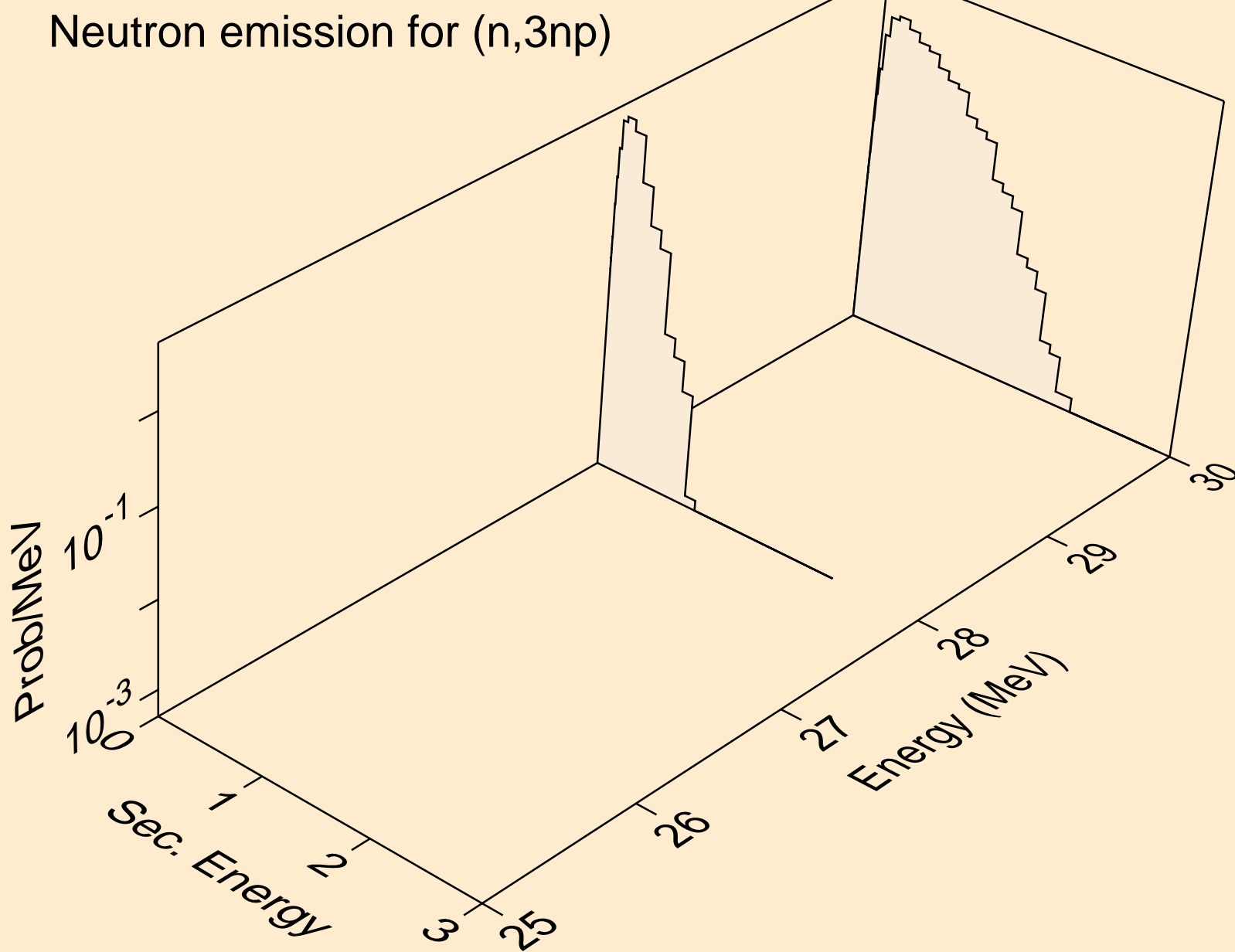
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



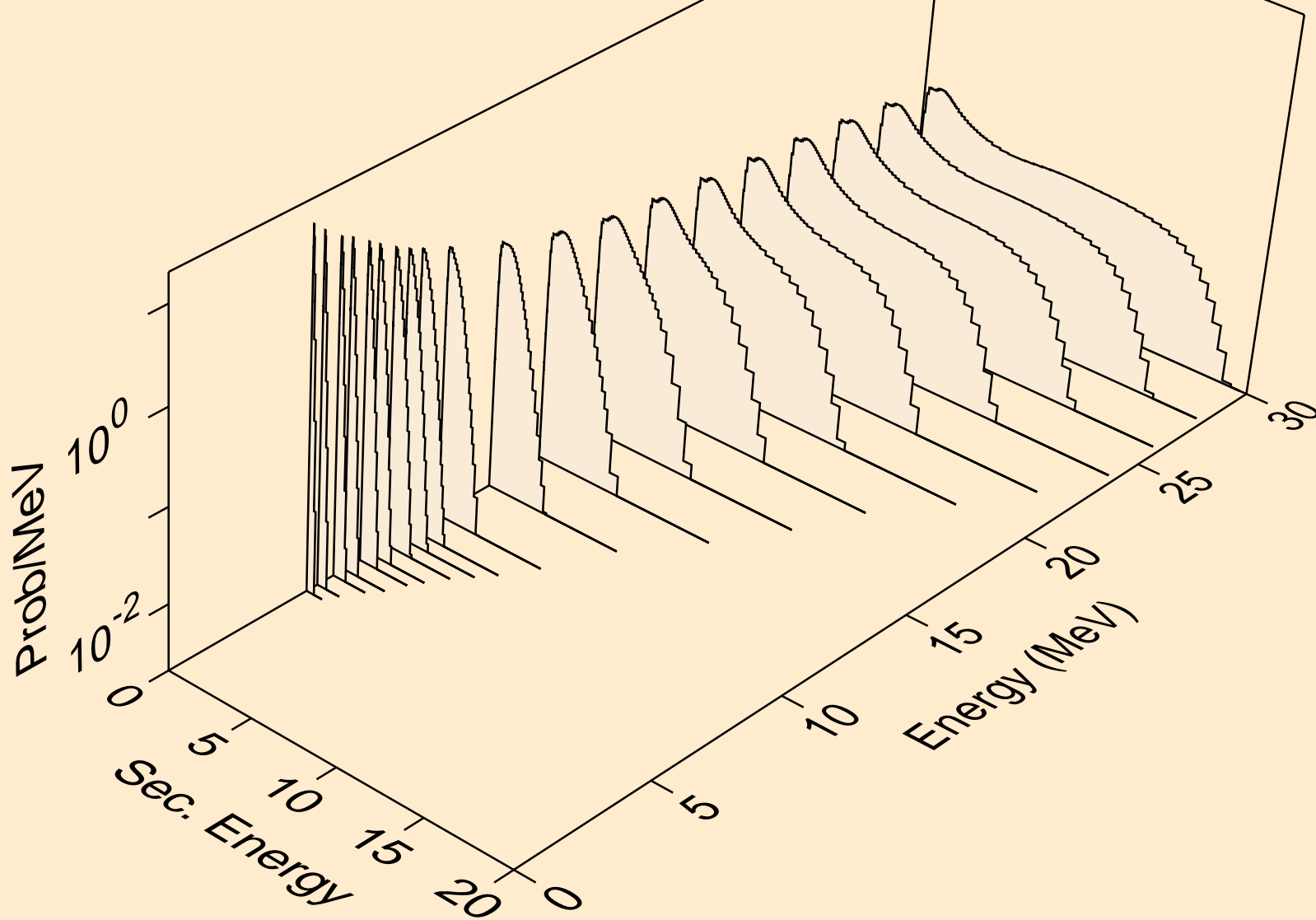
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Neutron emission for (n,2np)



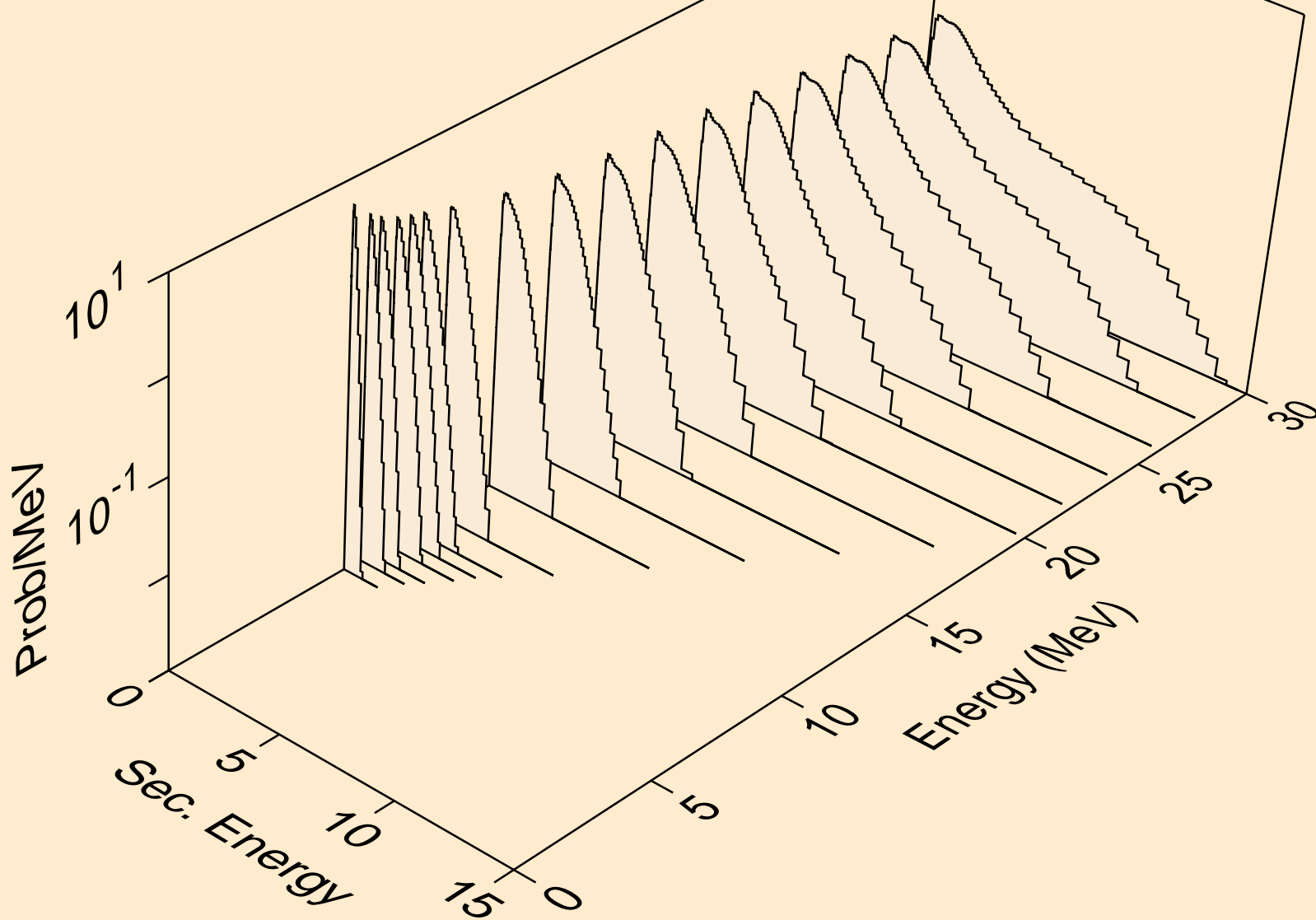
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Neutron emission for (n,3np)



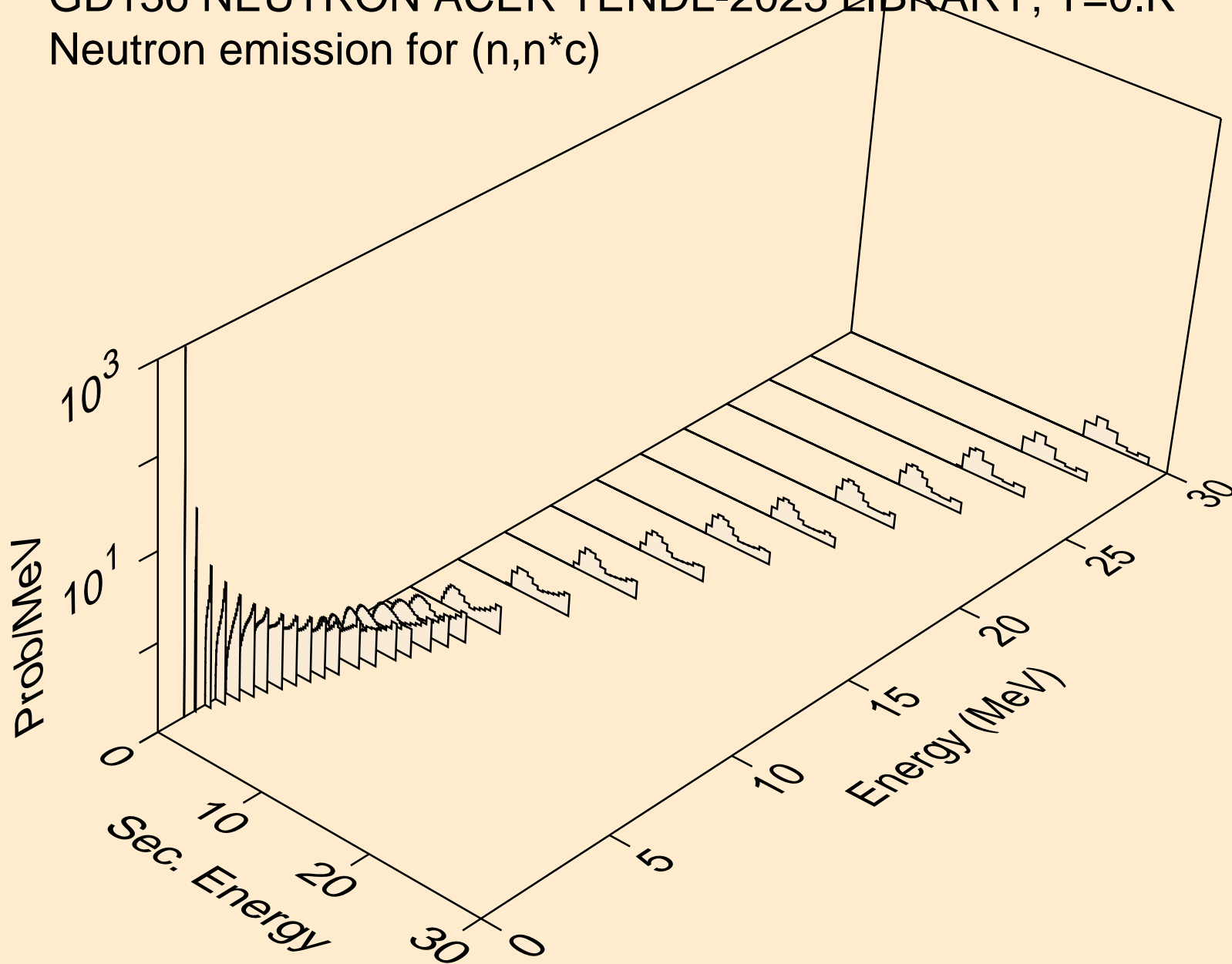
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Neutron emission for (n,n2p)



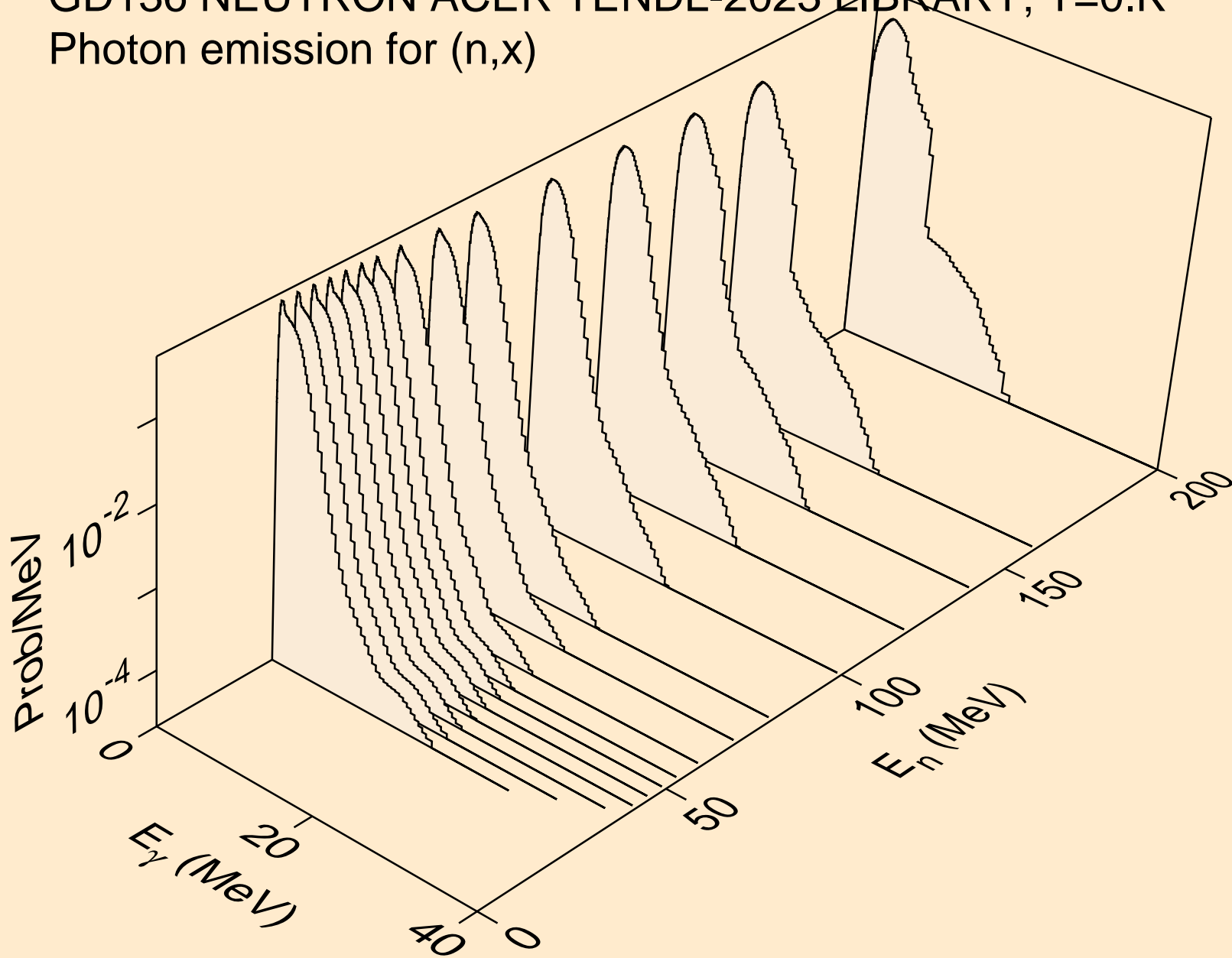
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Neutron emission for (n,npa)



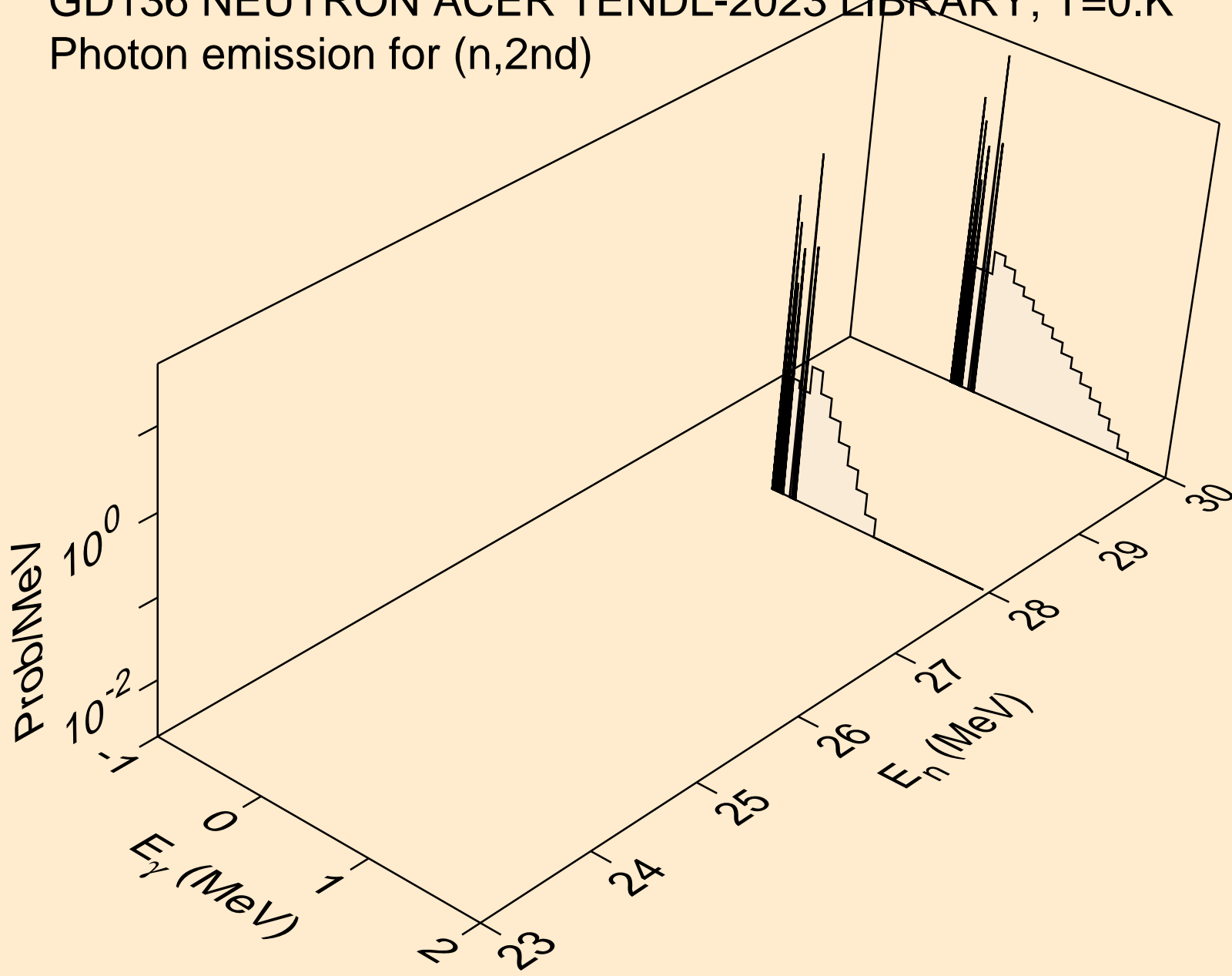
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Neutron emission for (n,n\*c)



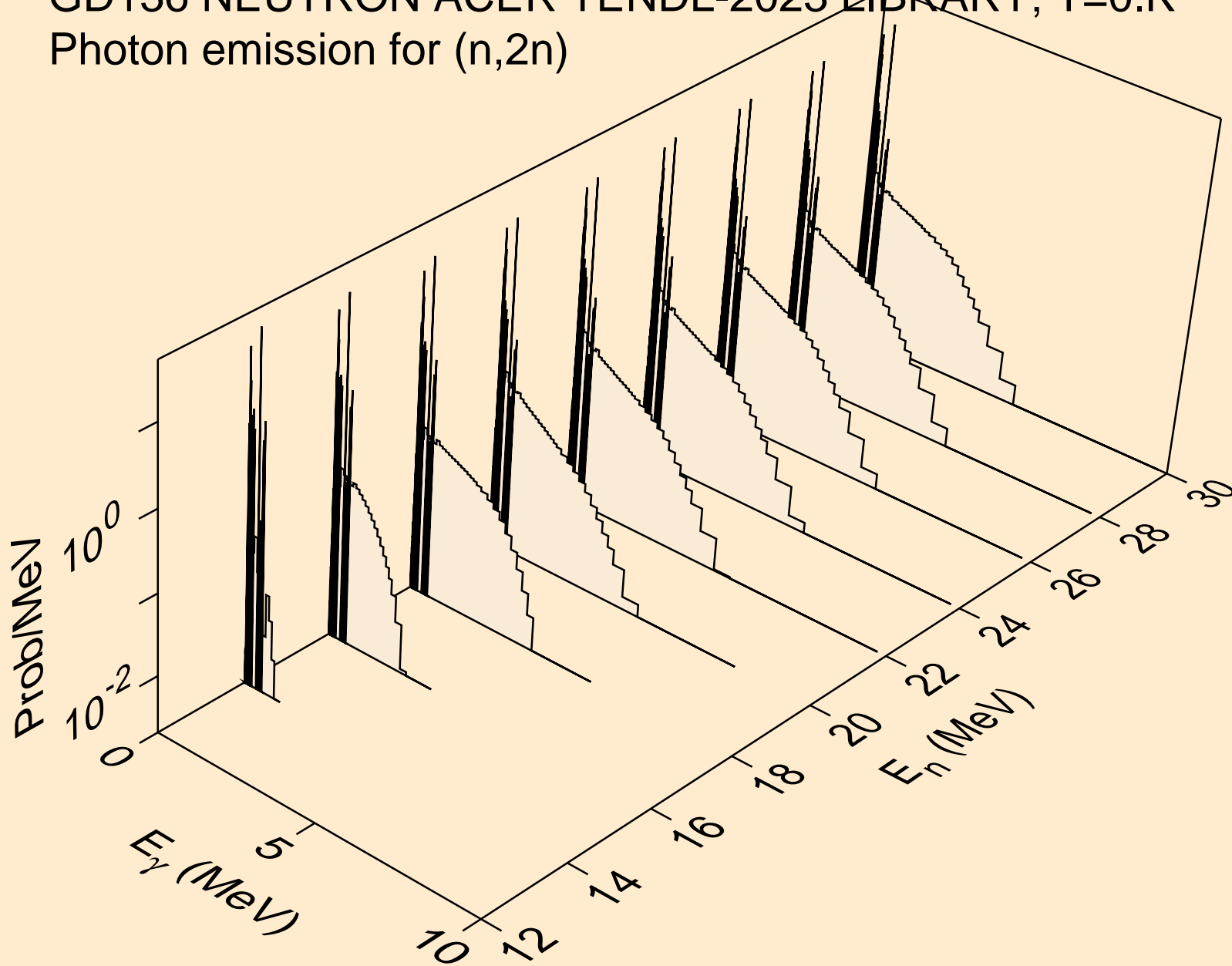
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



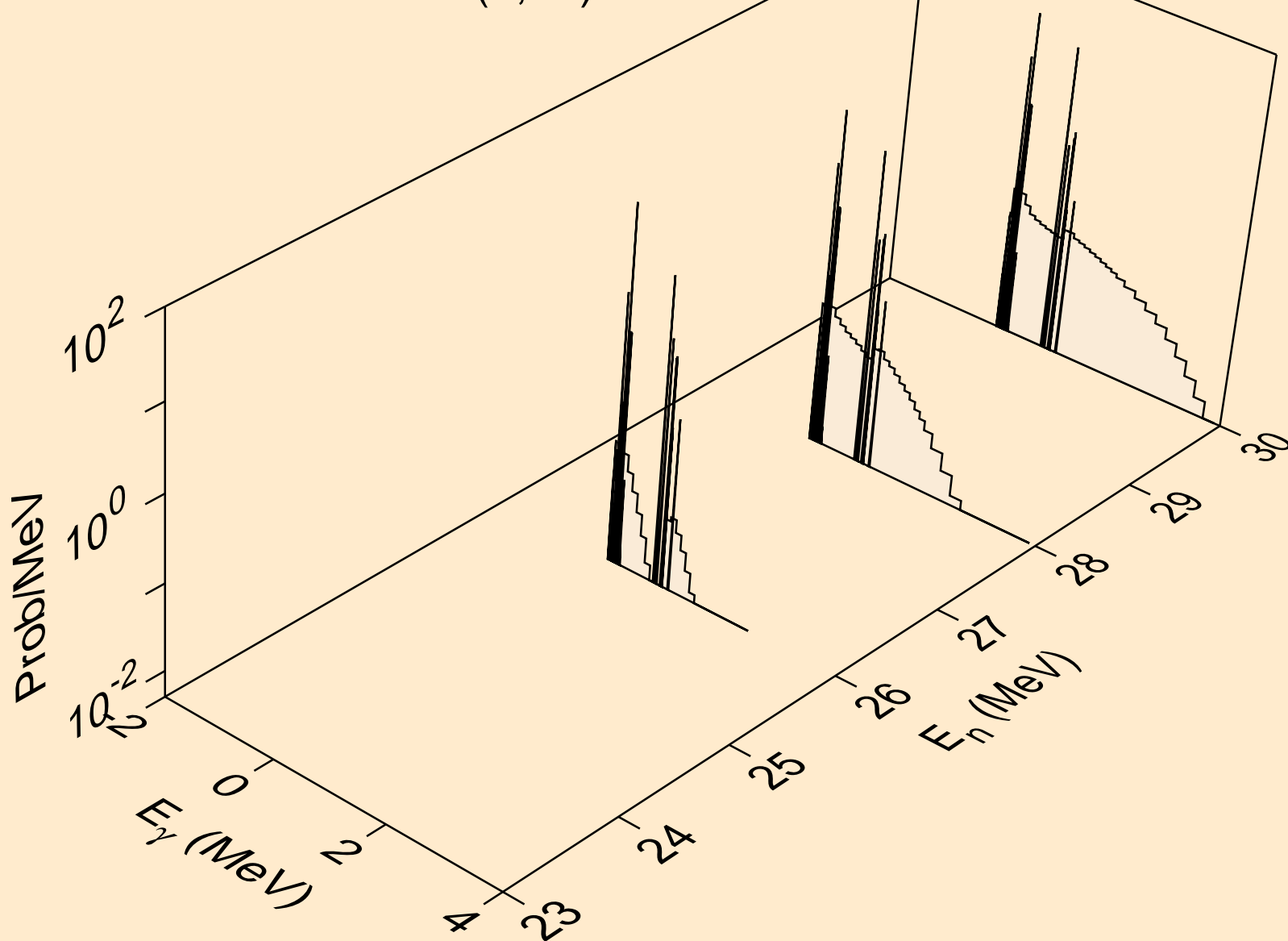
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



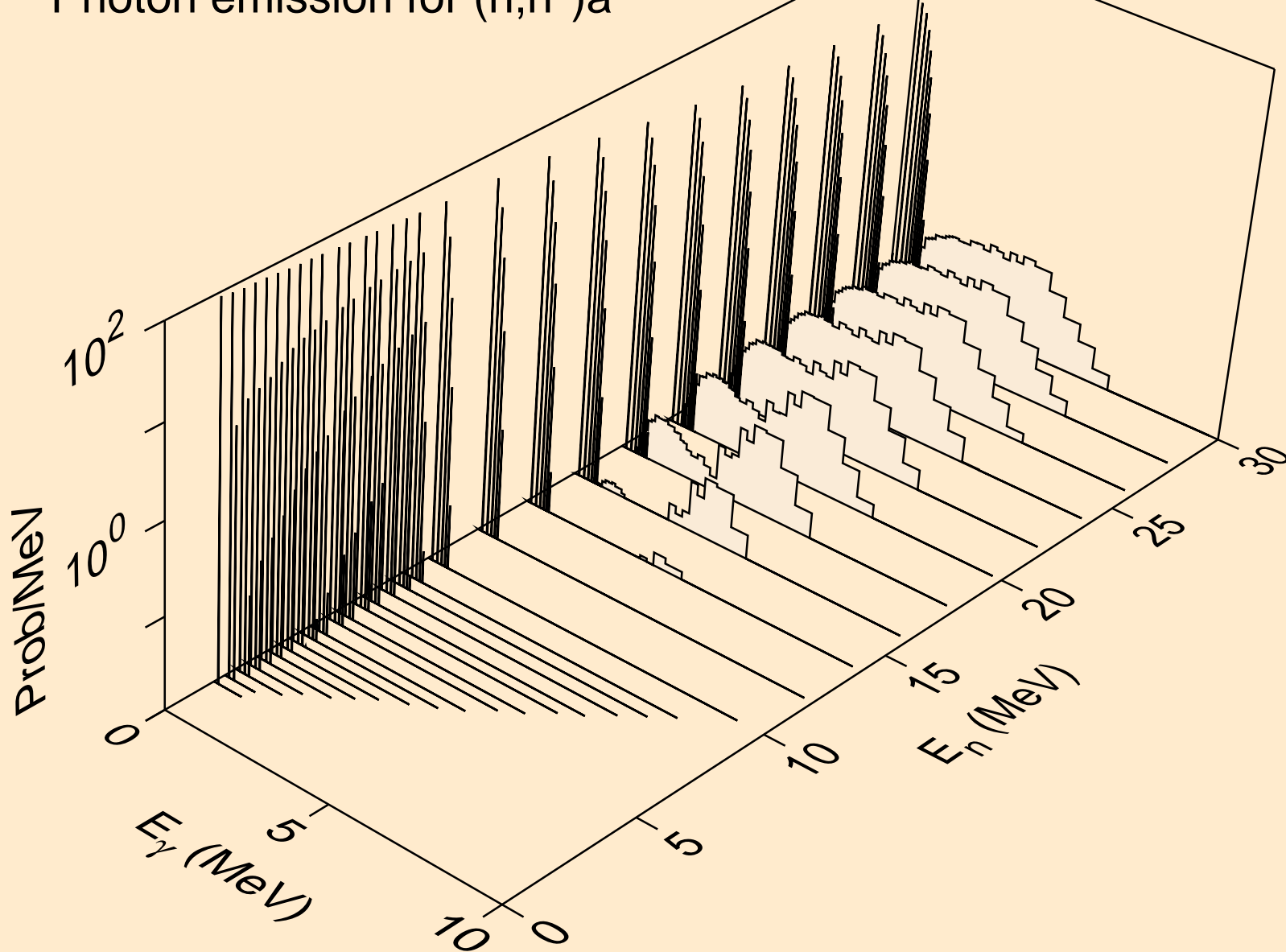
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Photon emission for (n,2n)



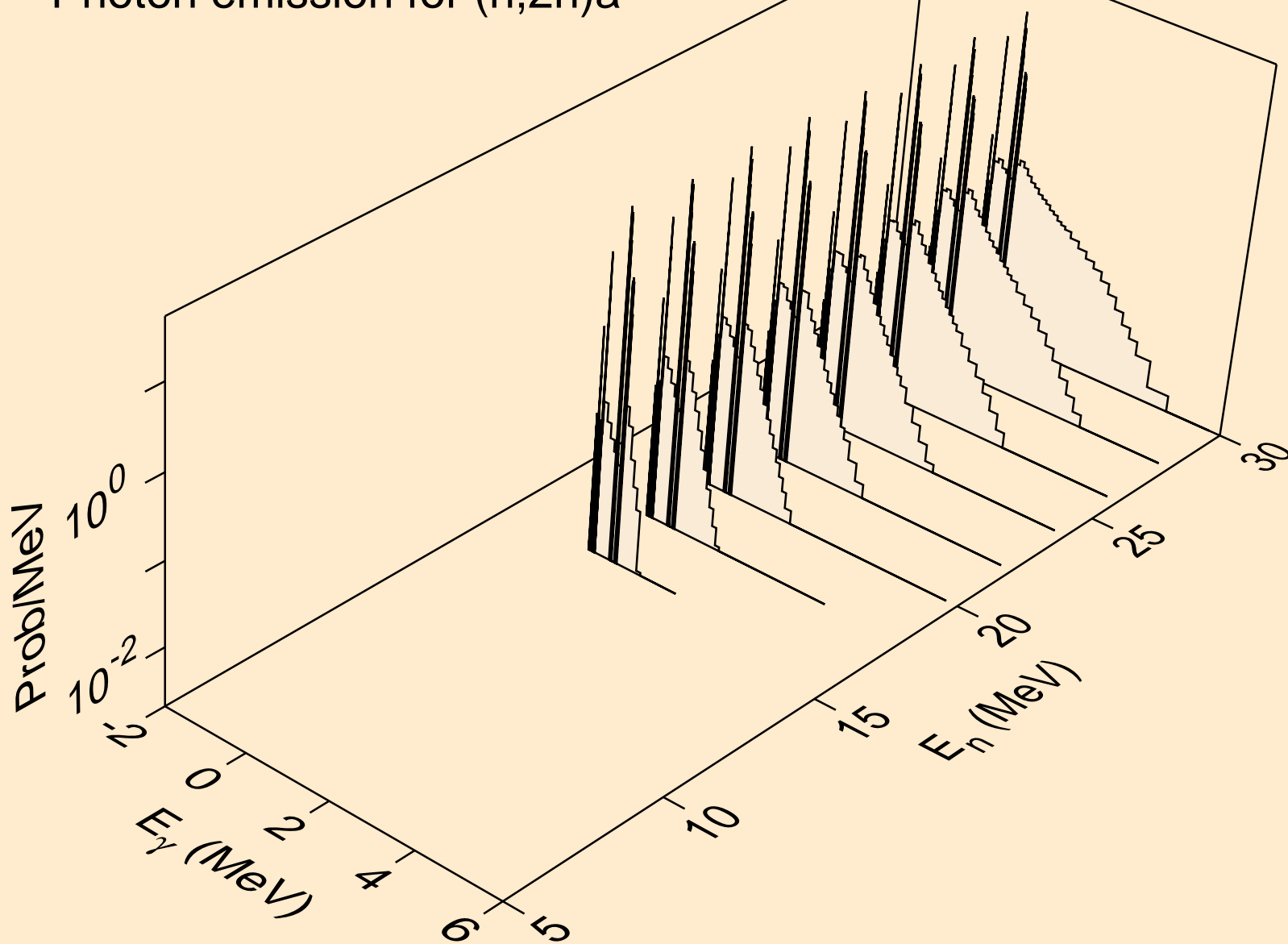
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



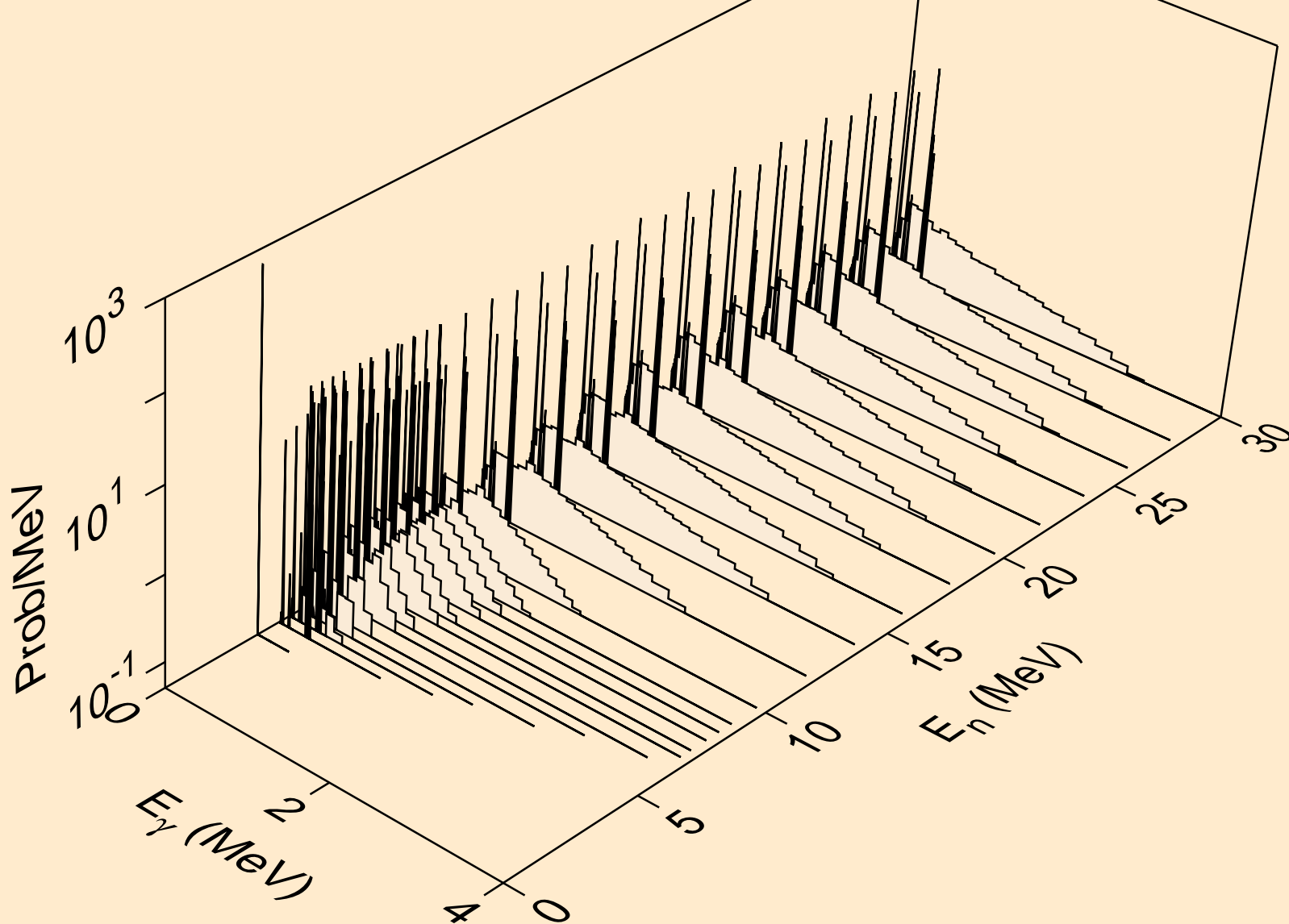
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



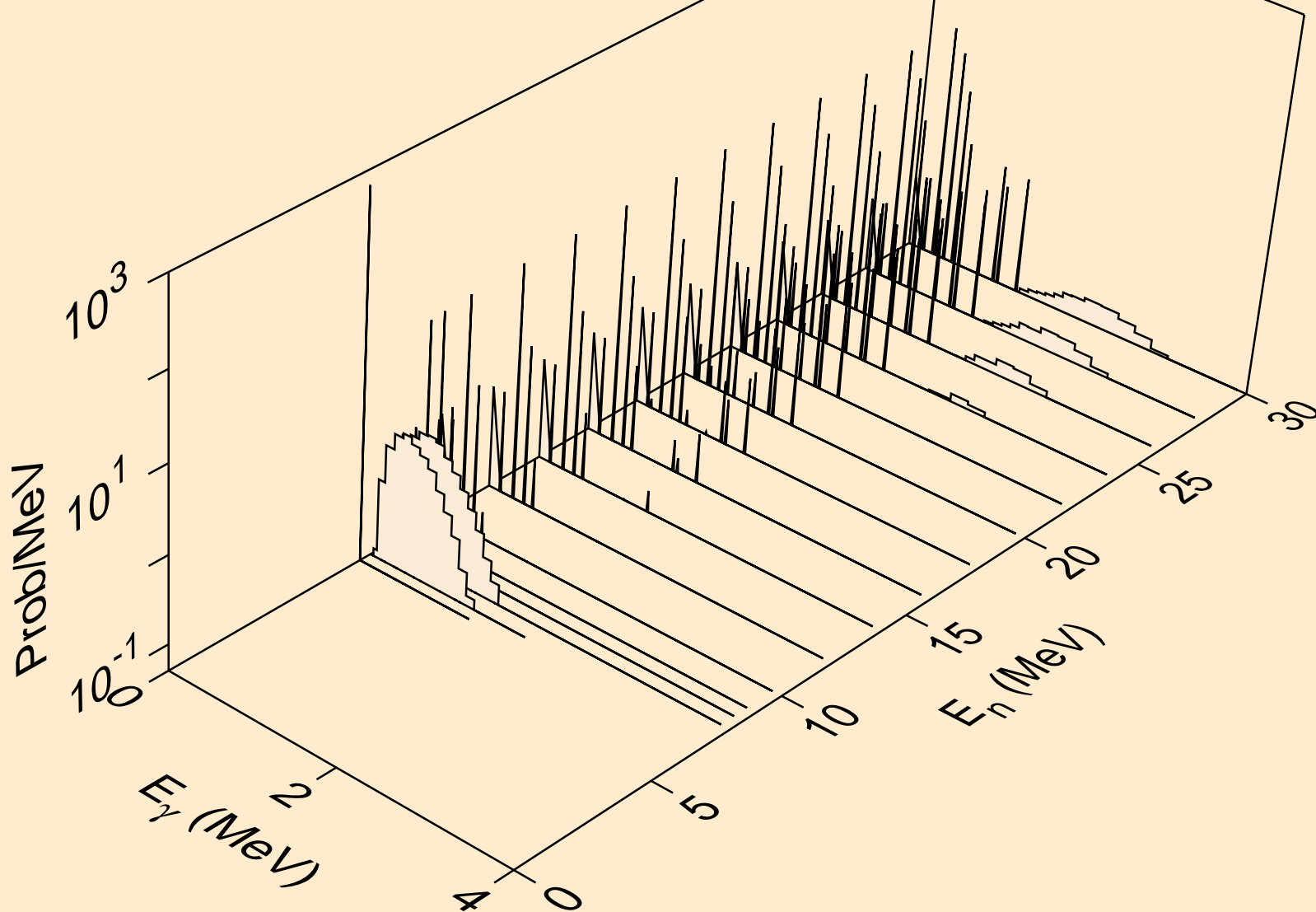
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Photon emission for (n,2n)a



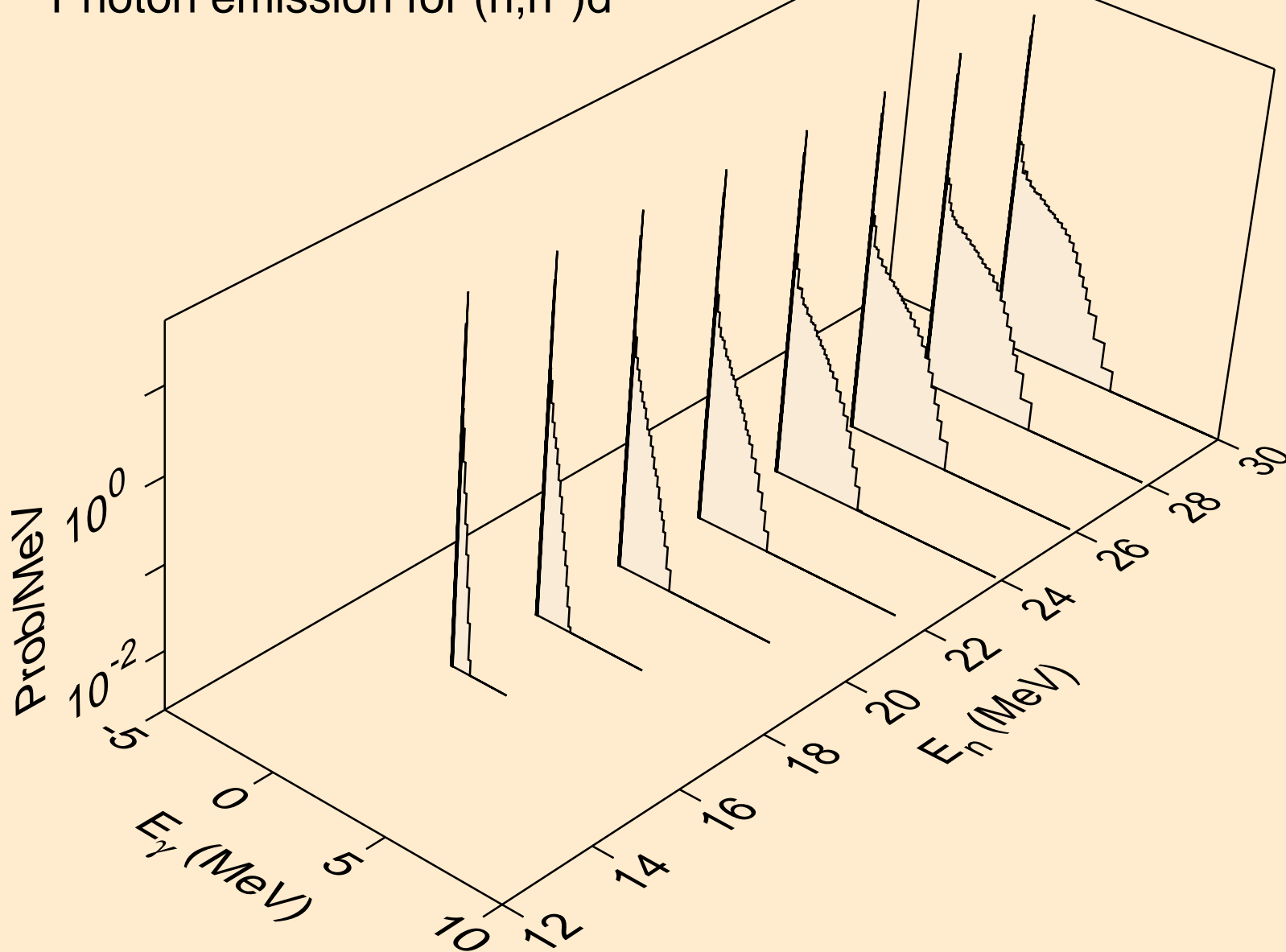
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



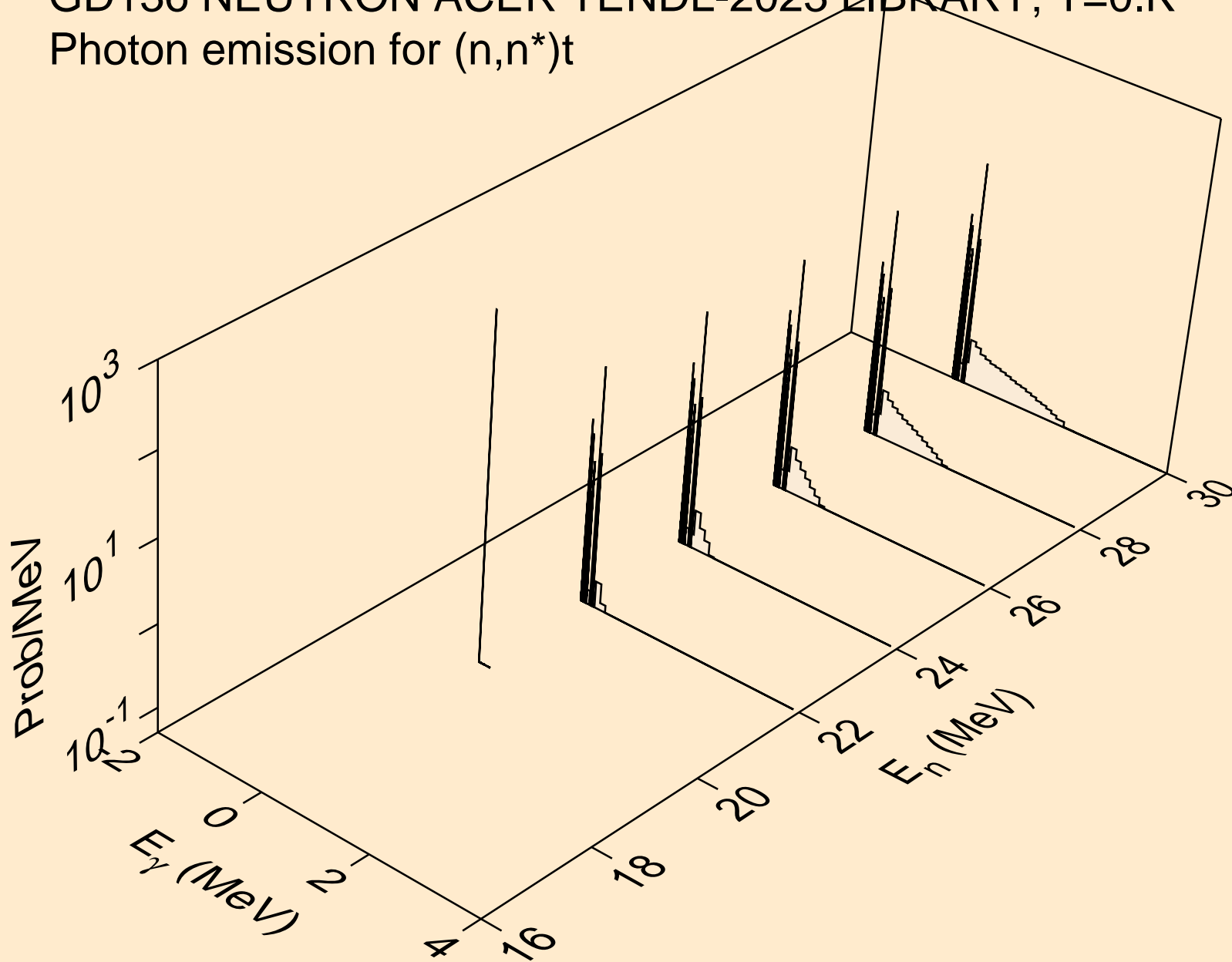
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



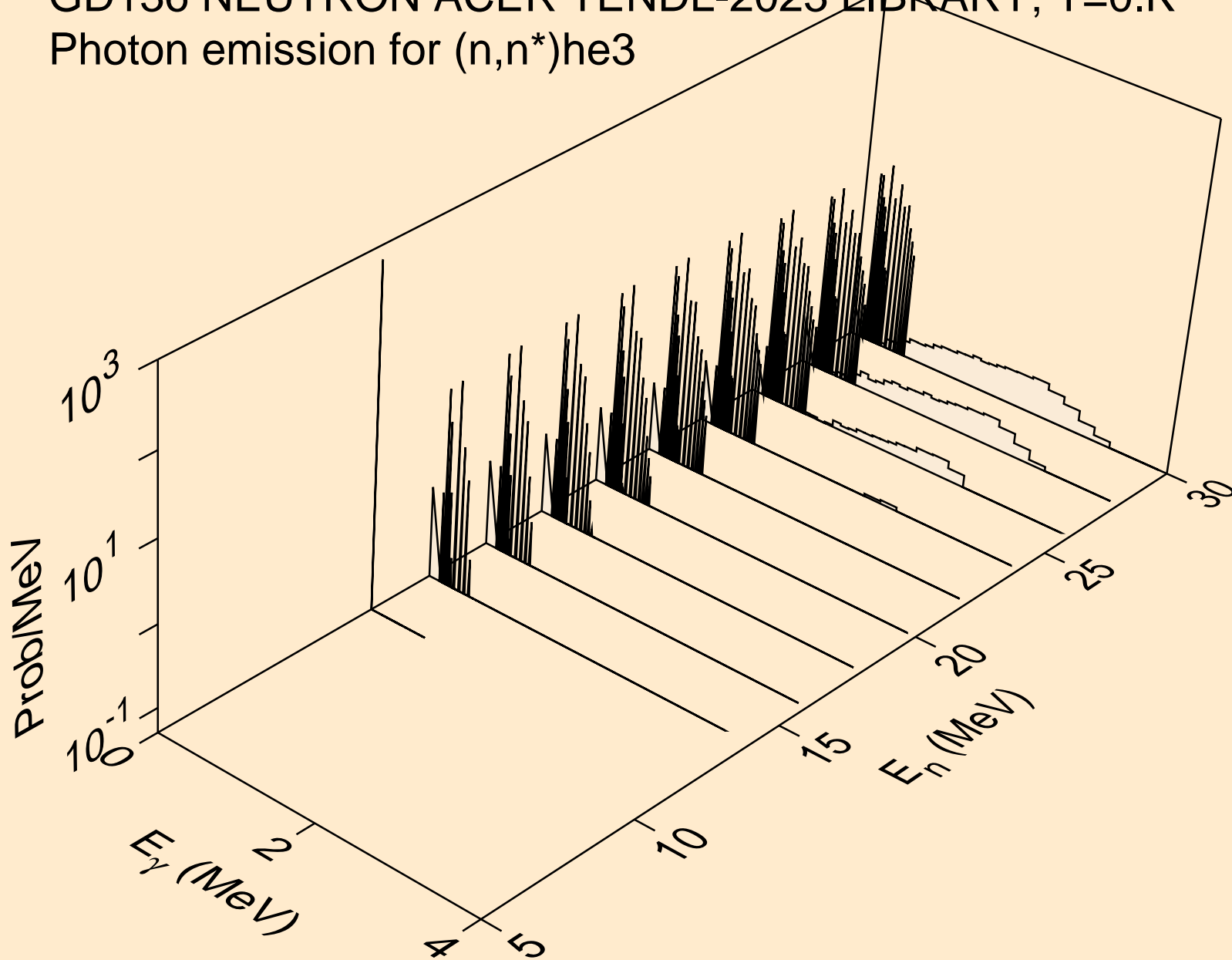
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



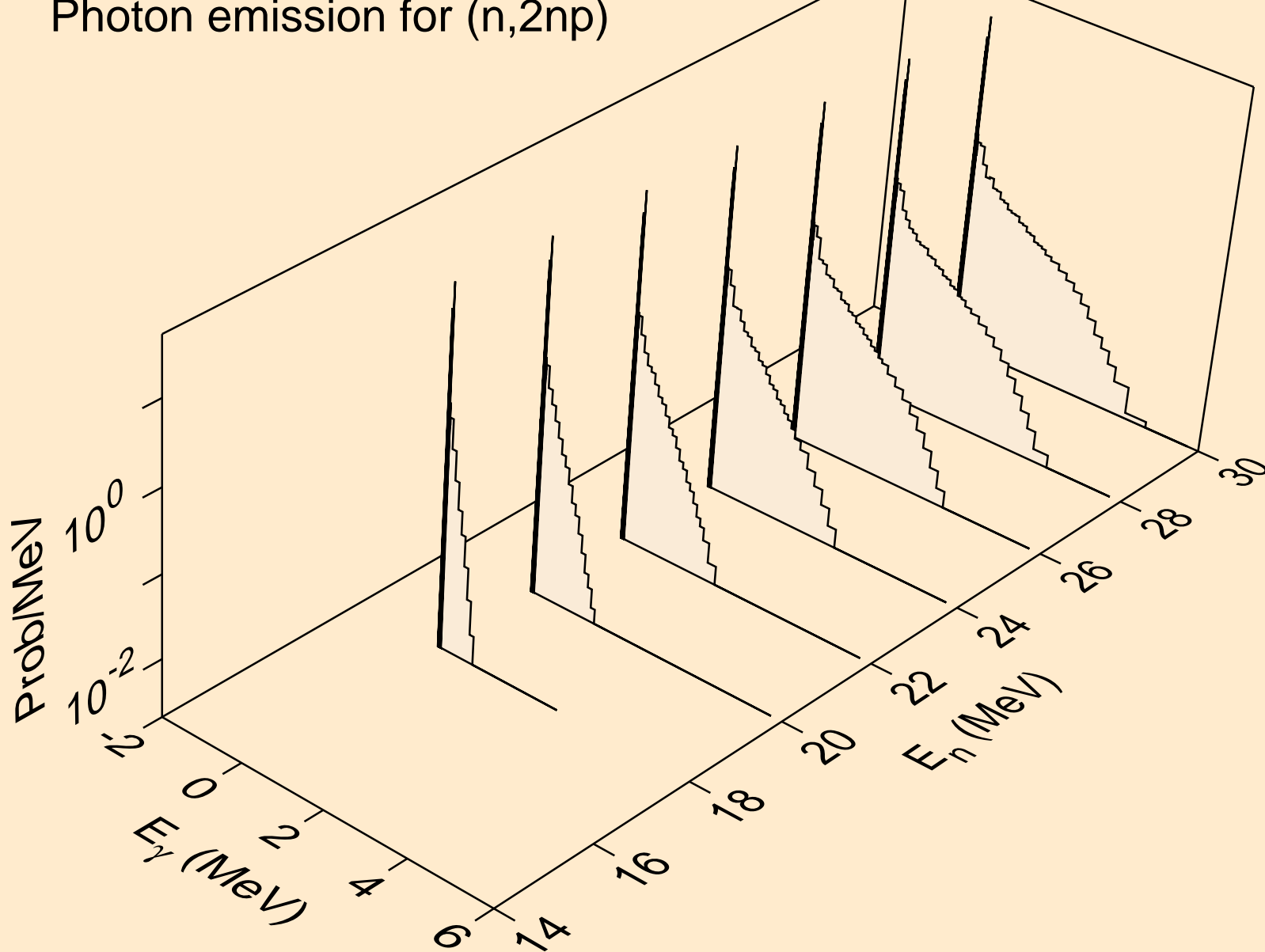
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



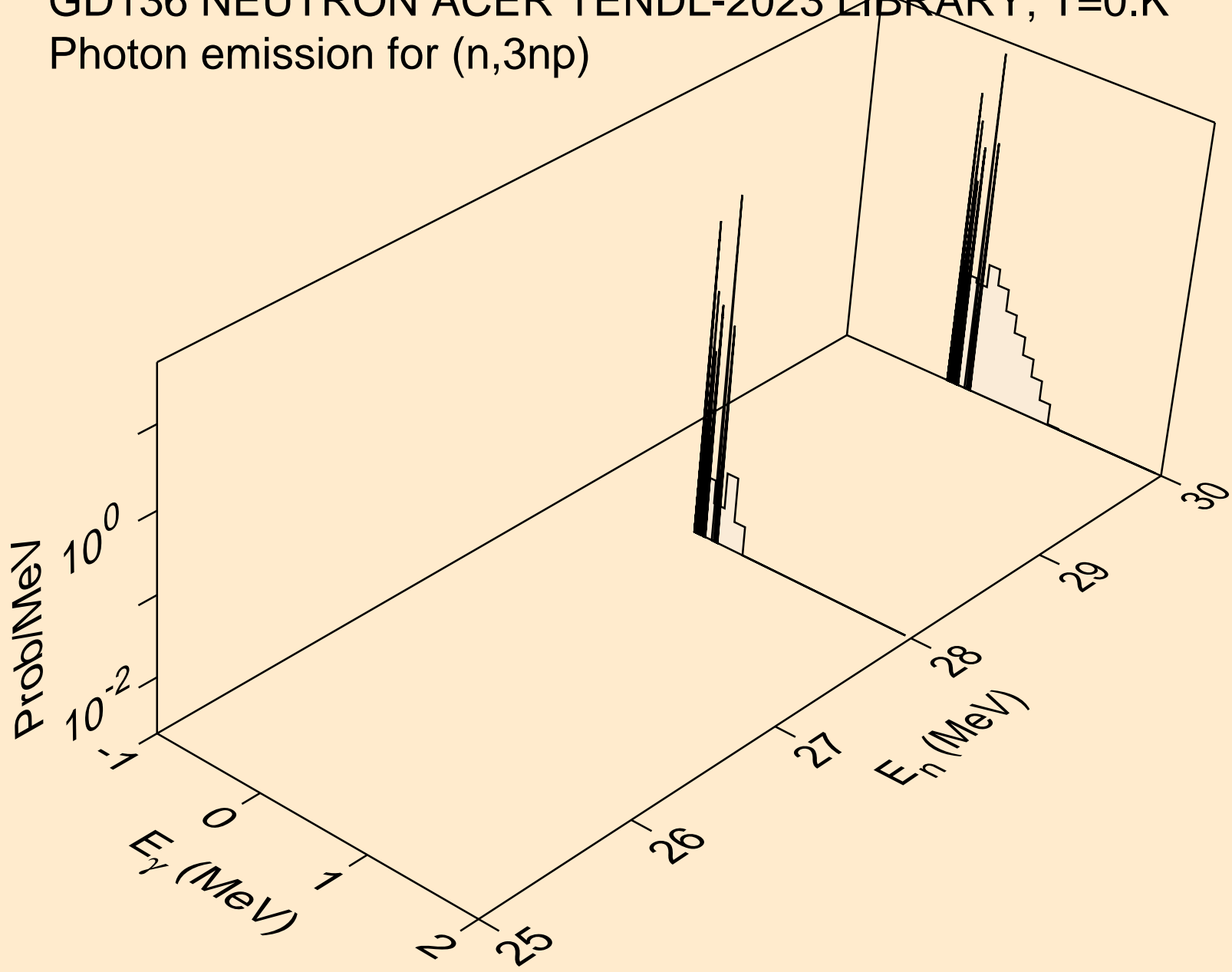
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



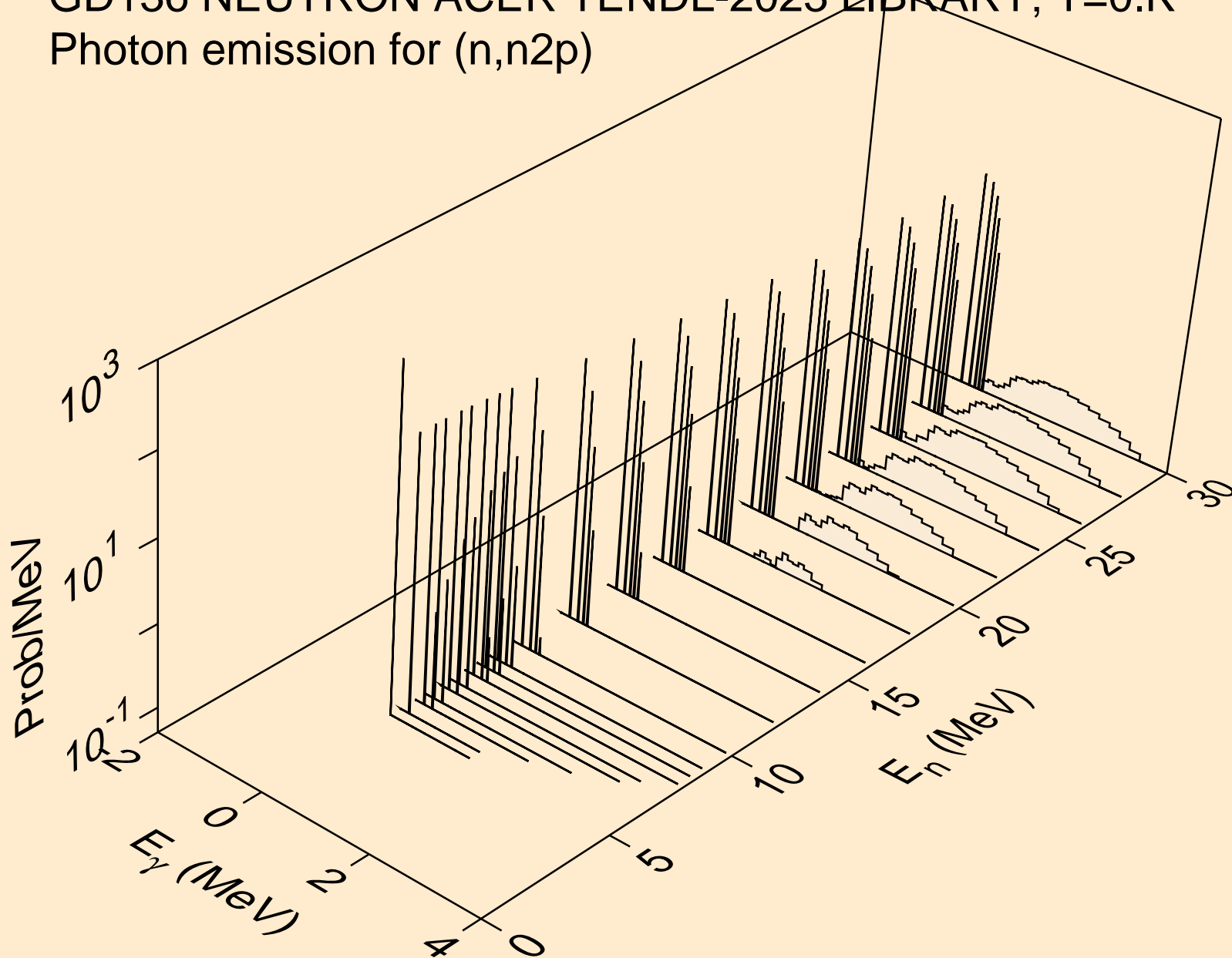
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



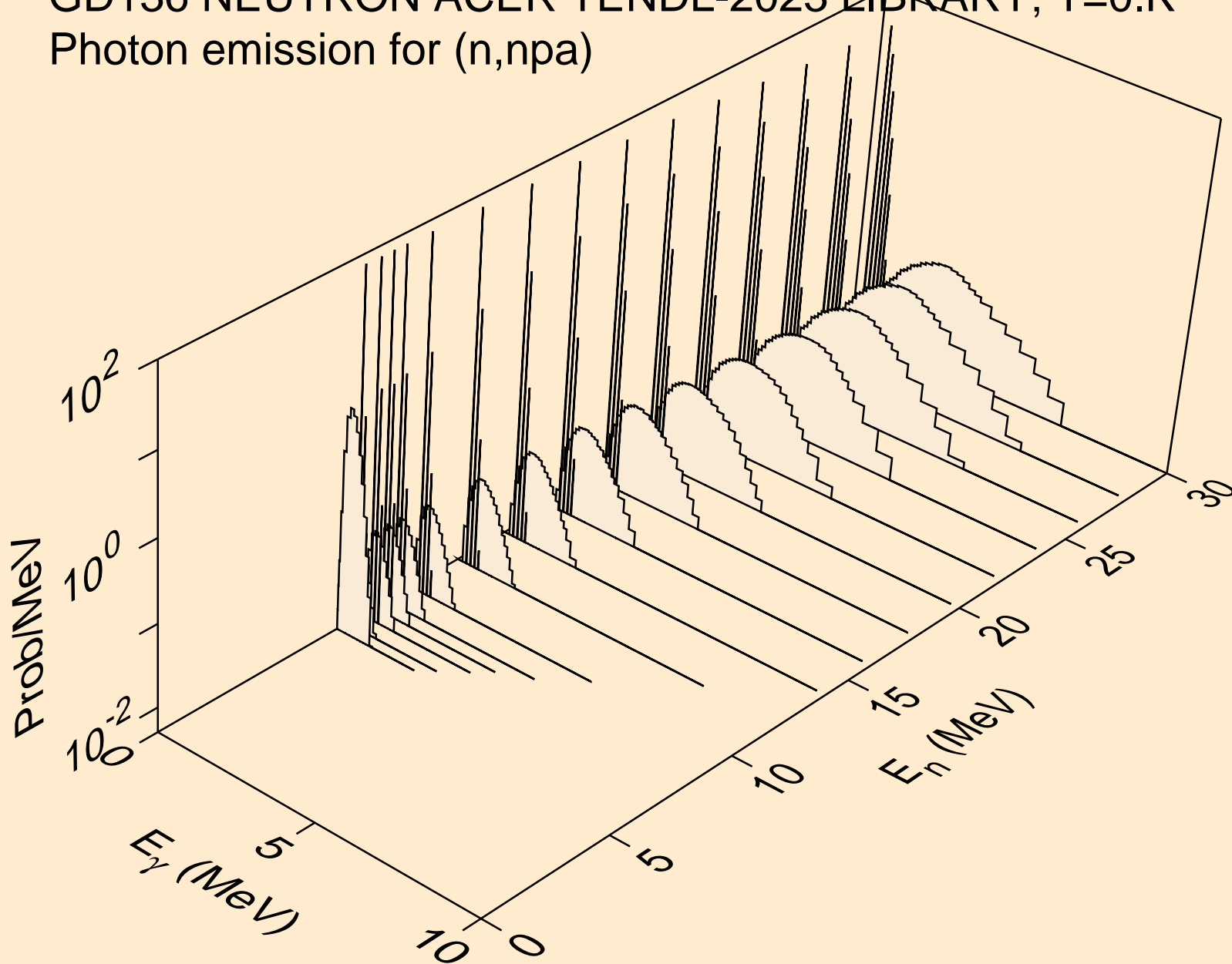
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



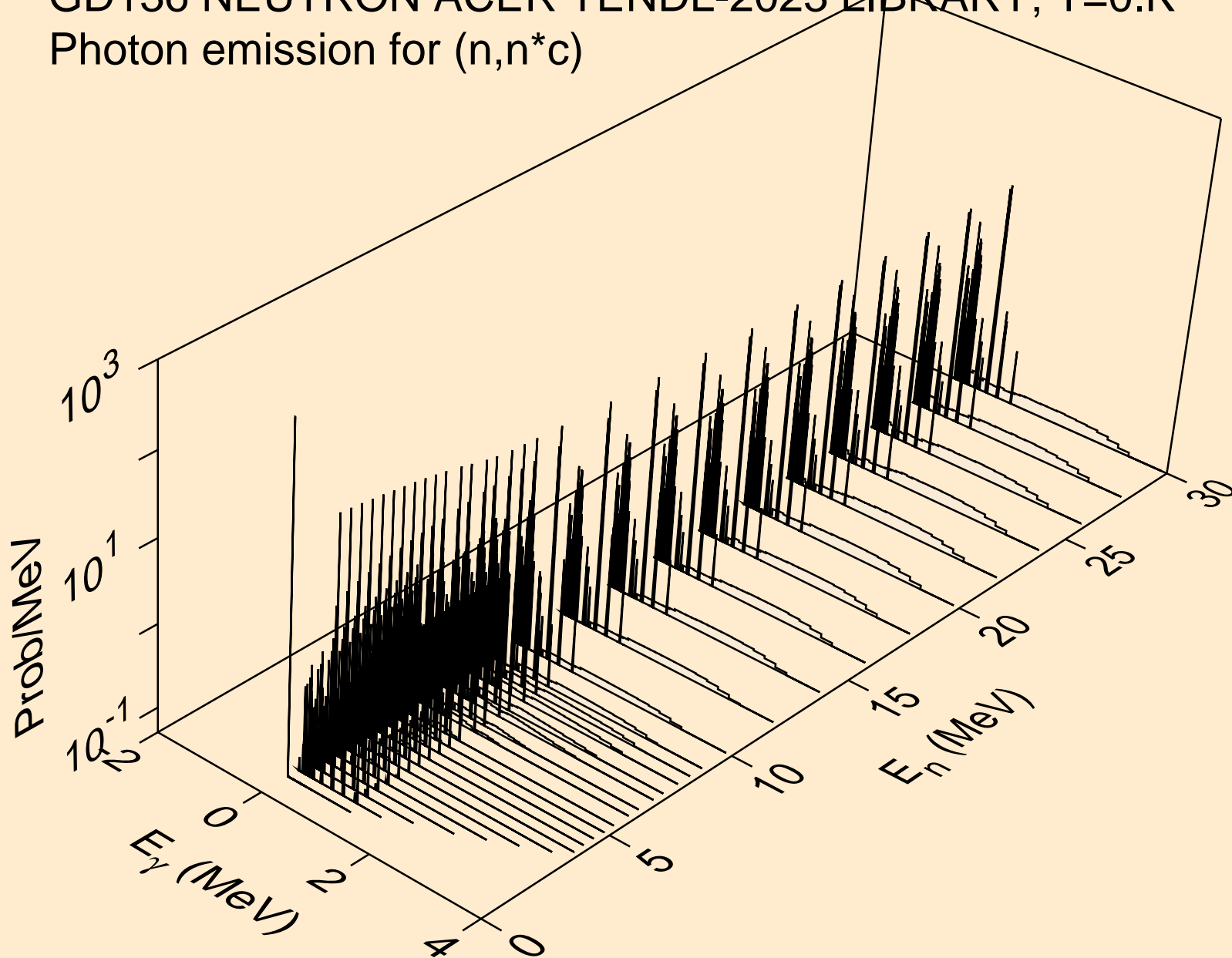
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



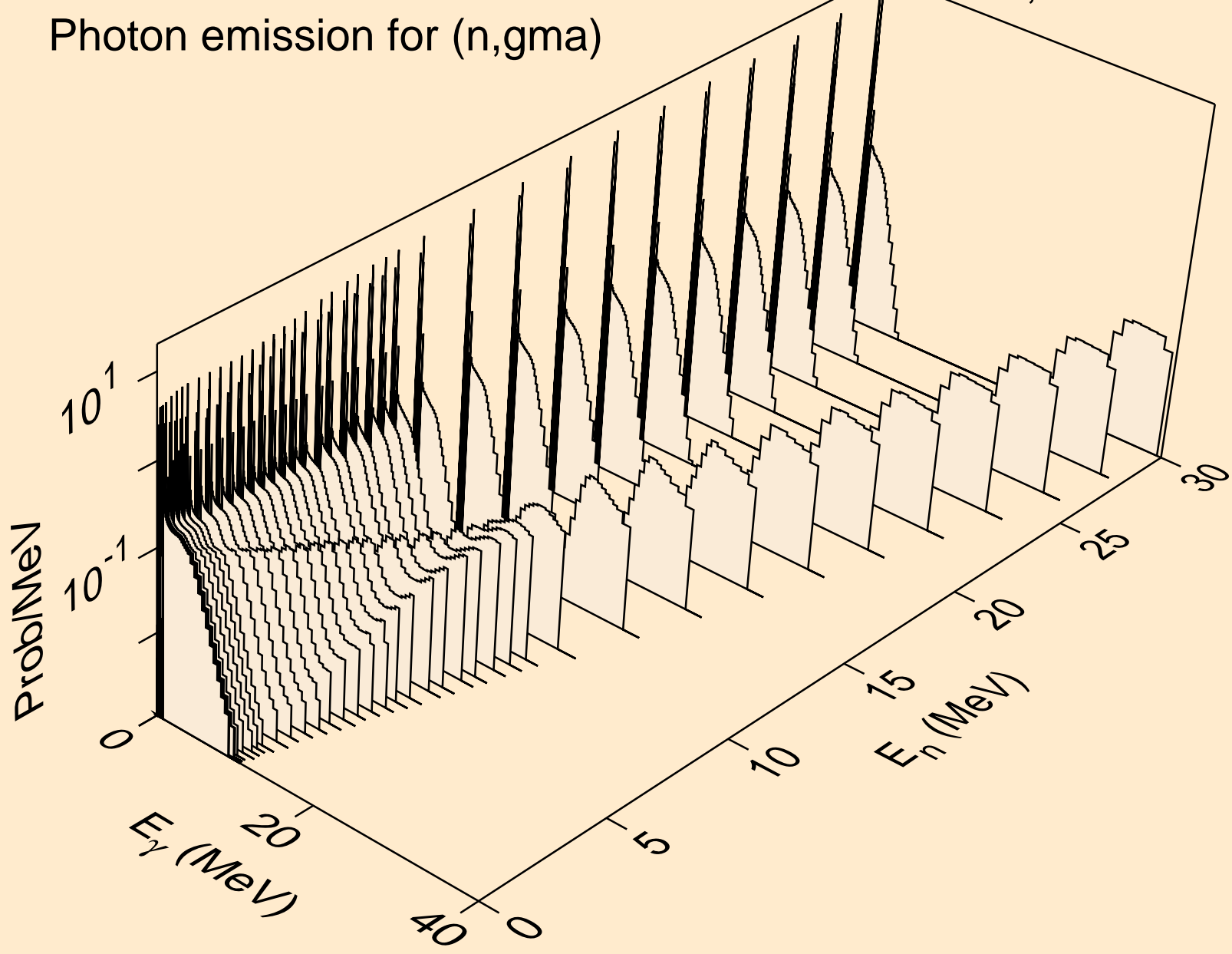
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



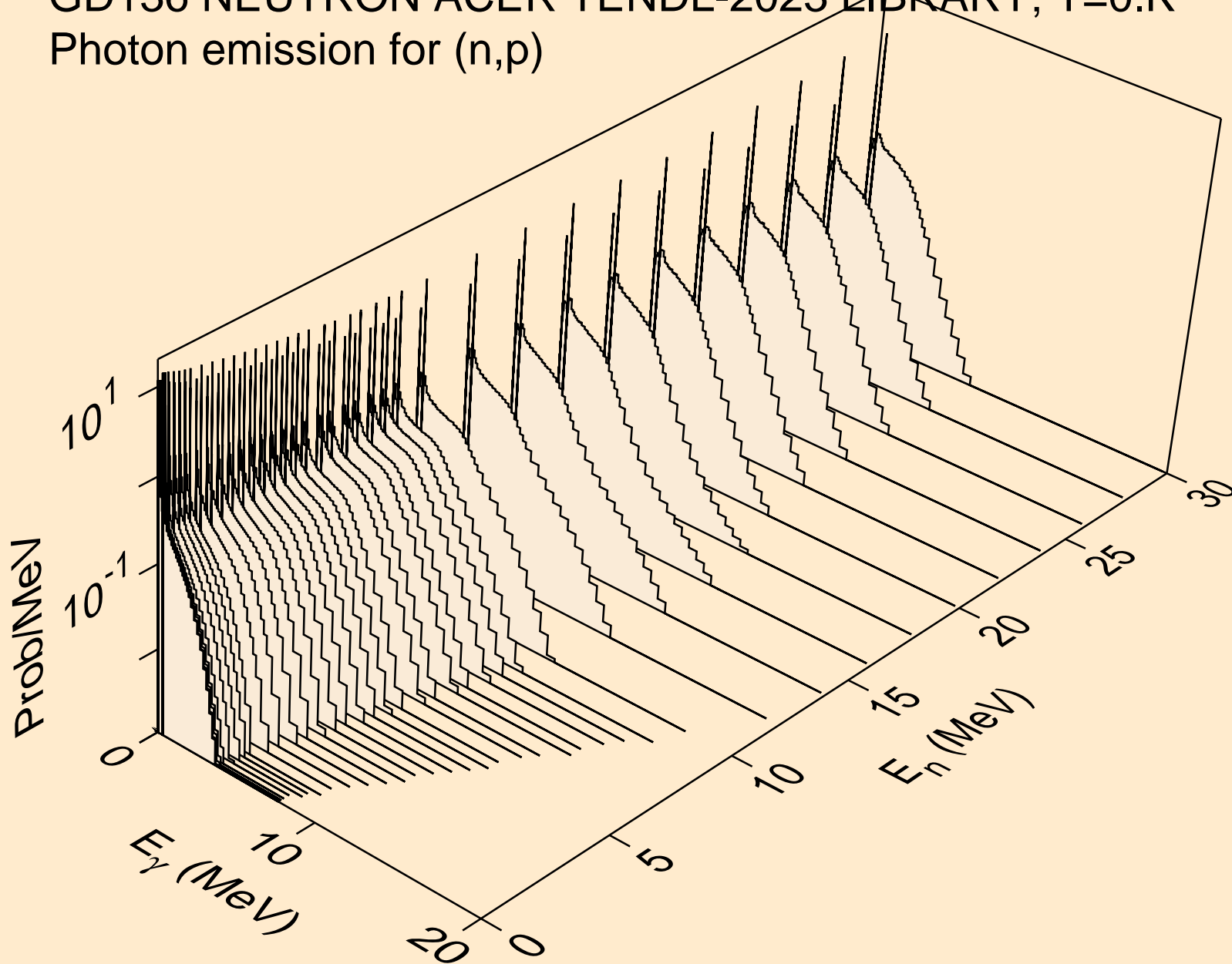
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Photon emission for (n,n\*c)



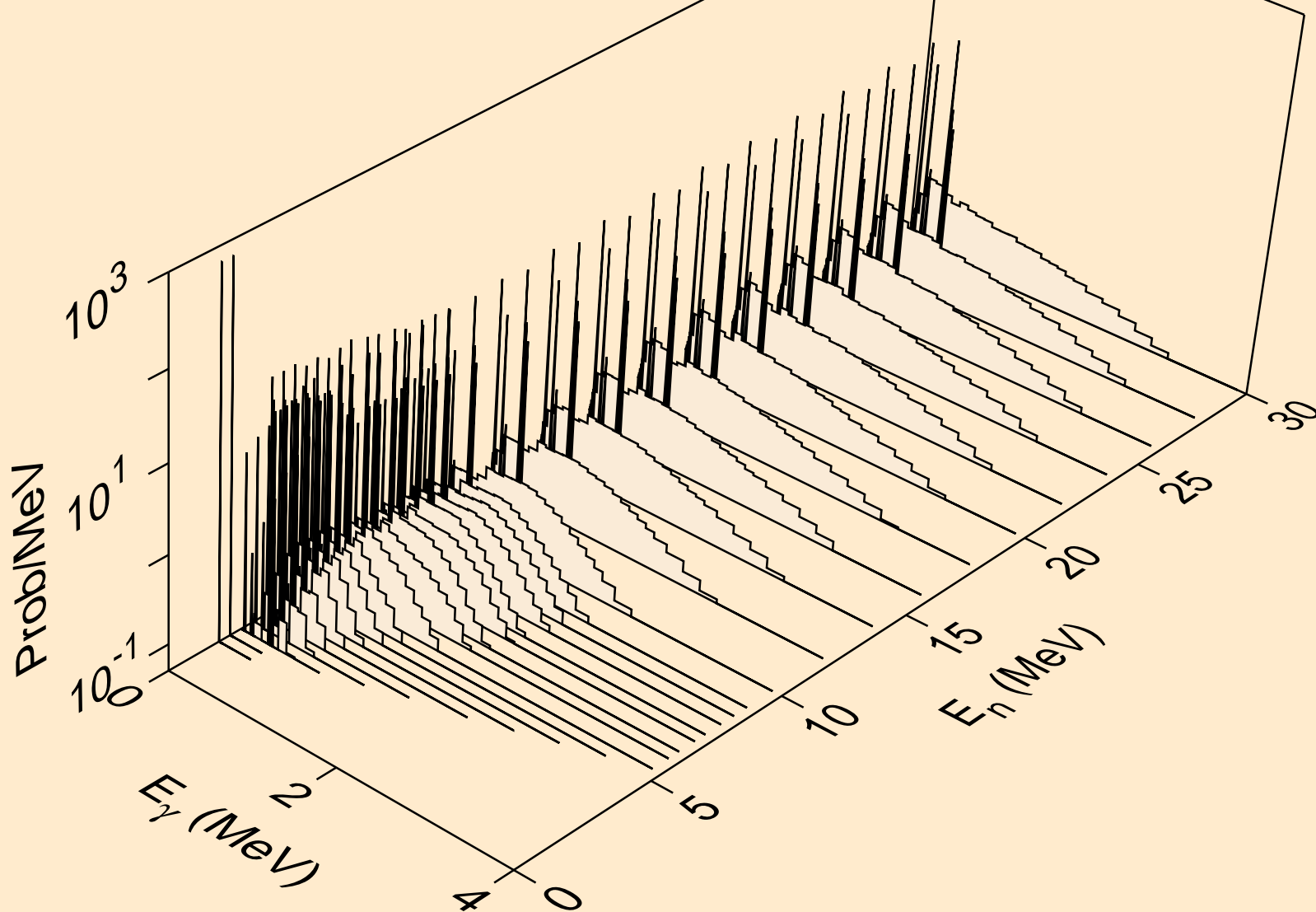
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Photon emission for (n,gma)



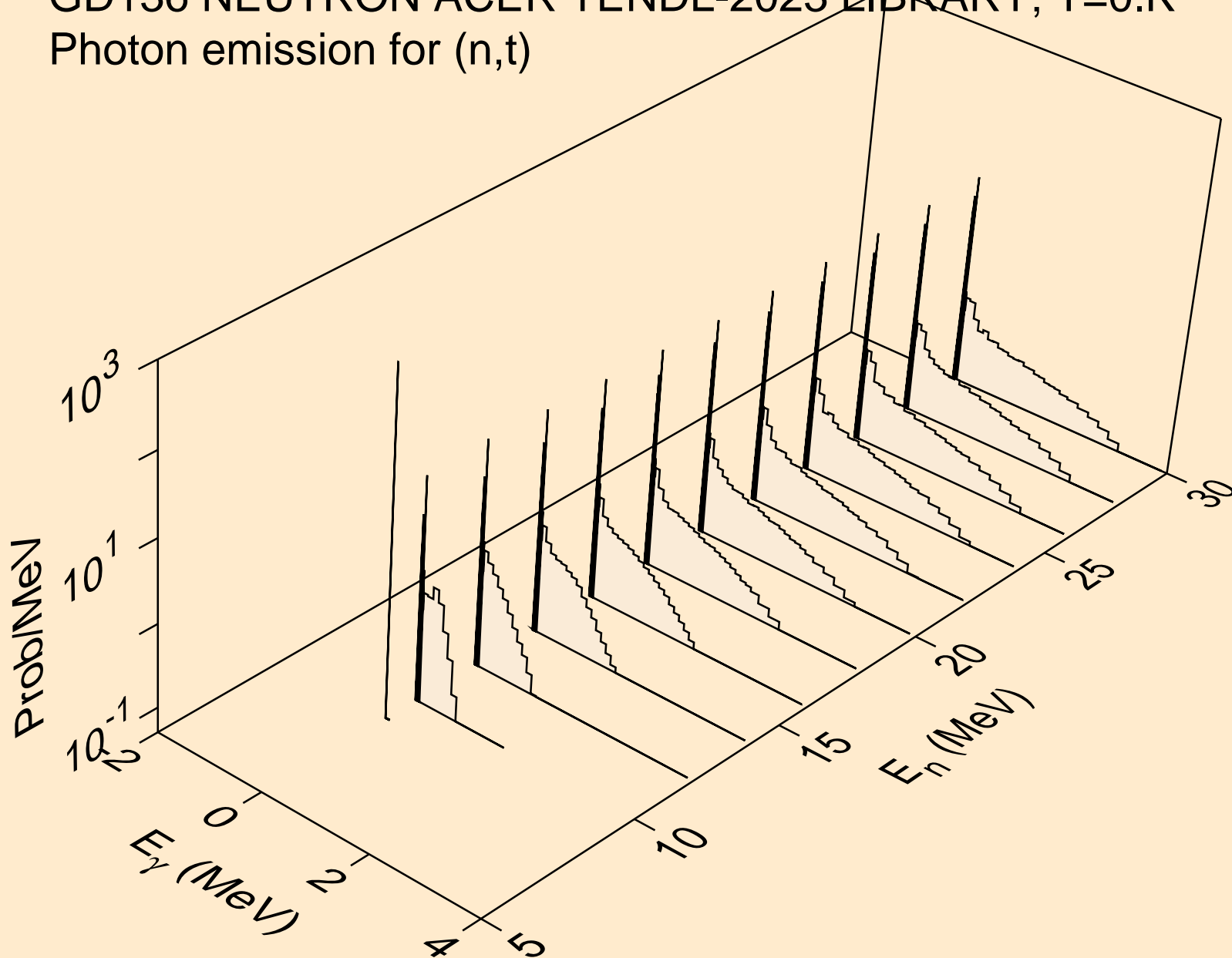
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



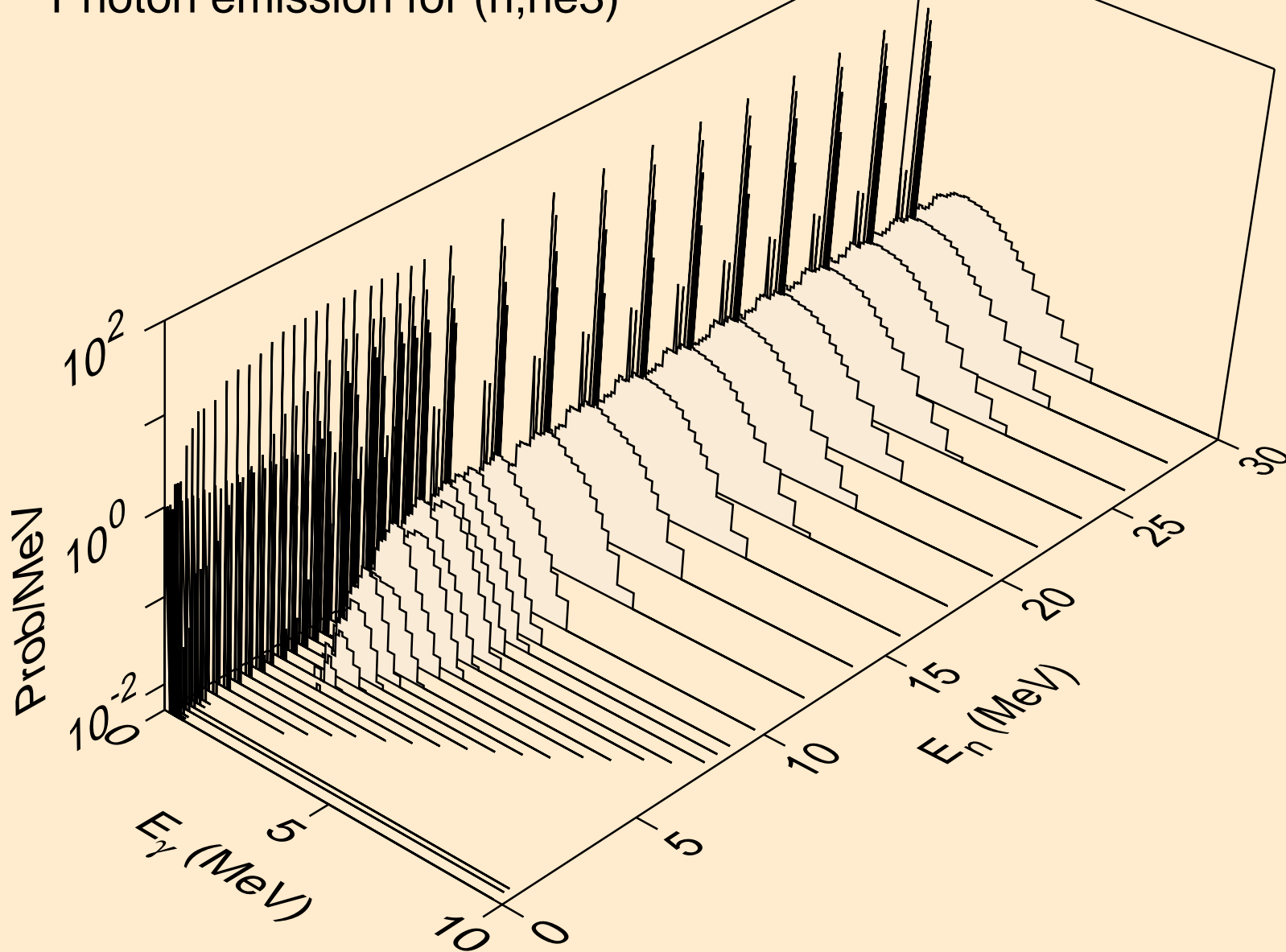
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



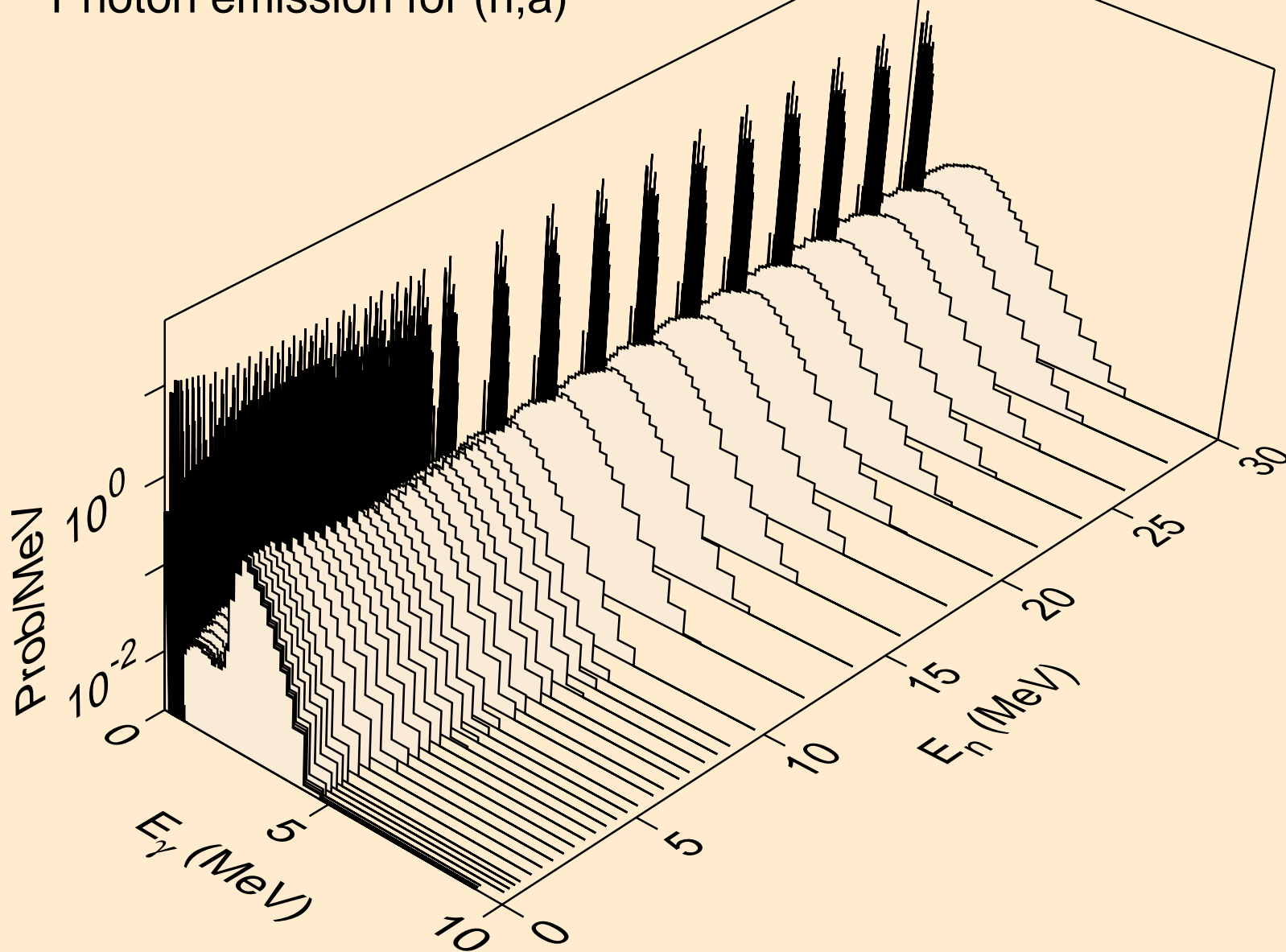
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



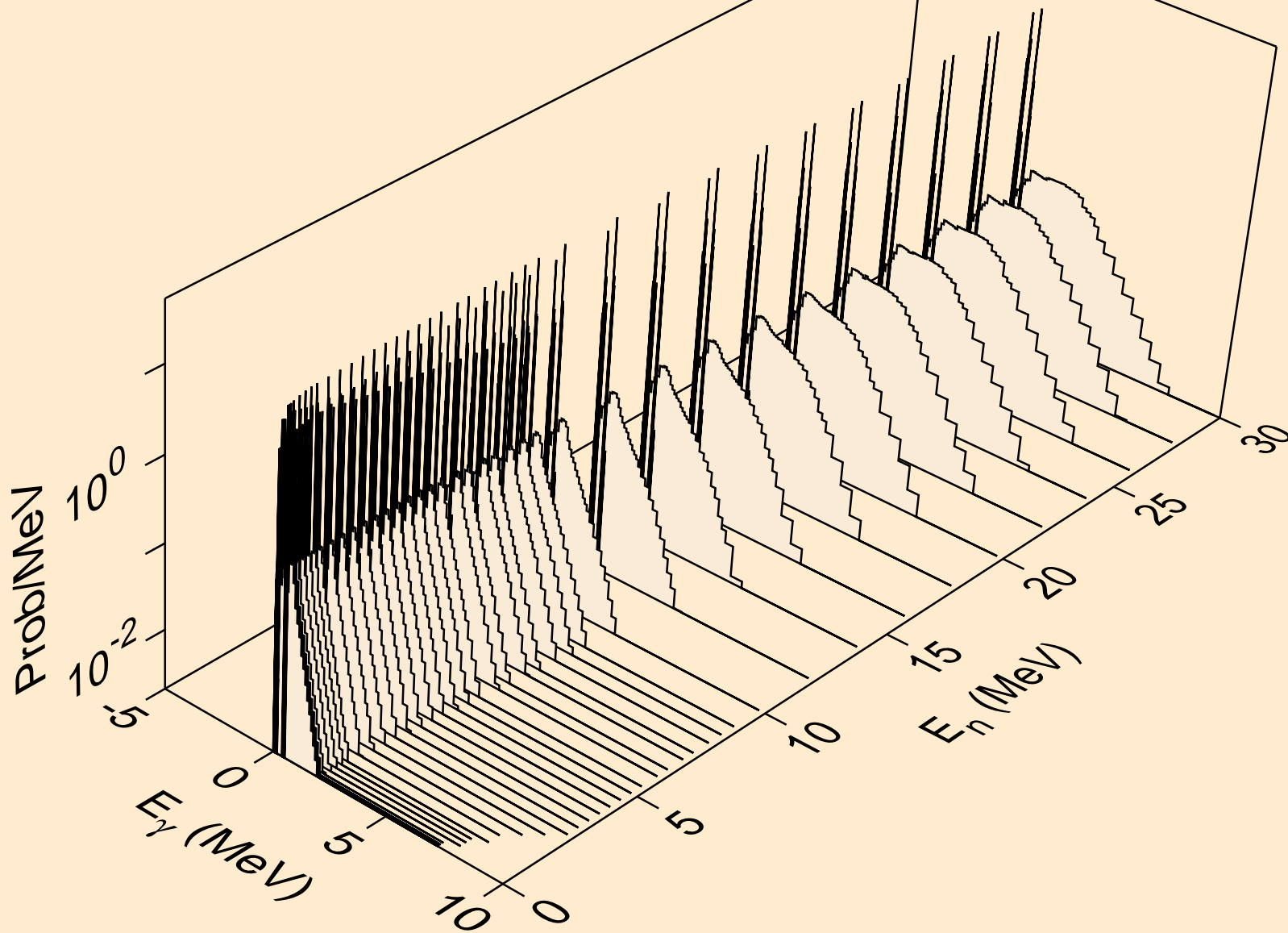
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Photon emission for (n,he3)



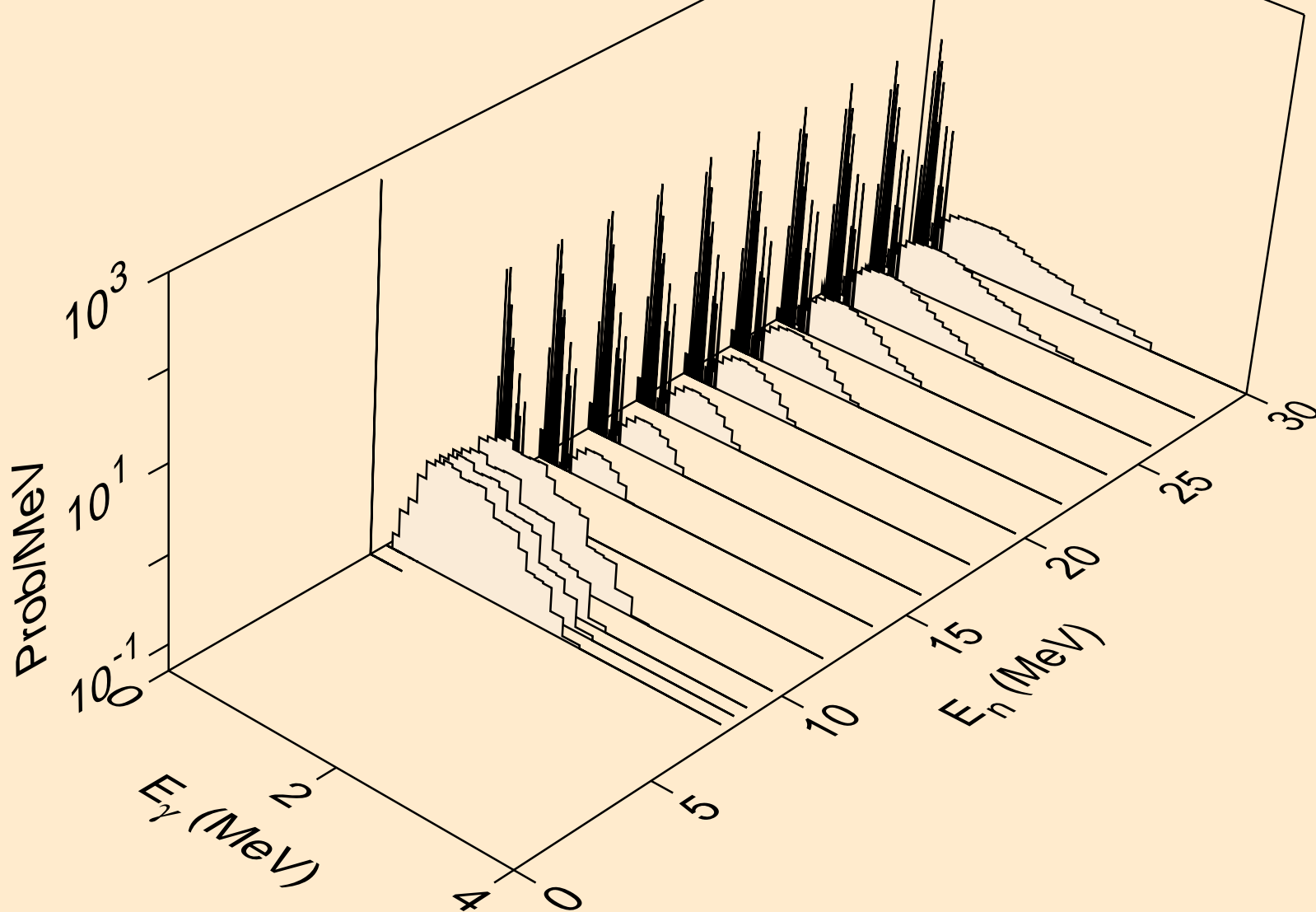
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



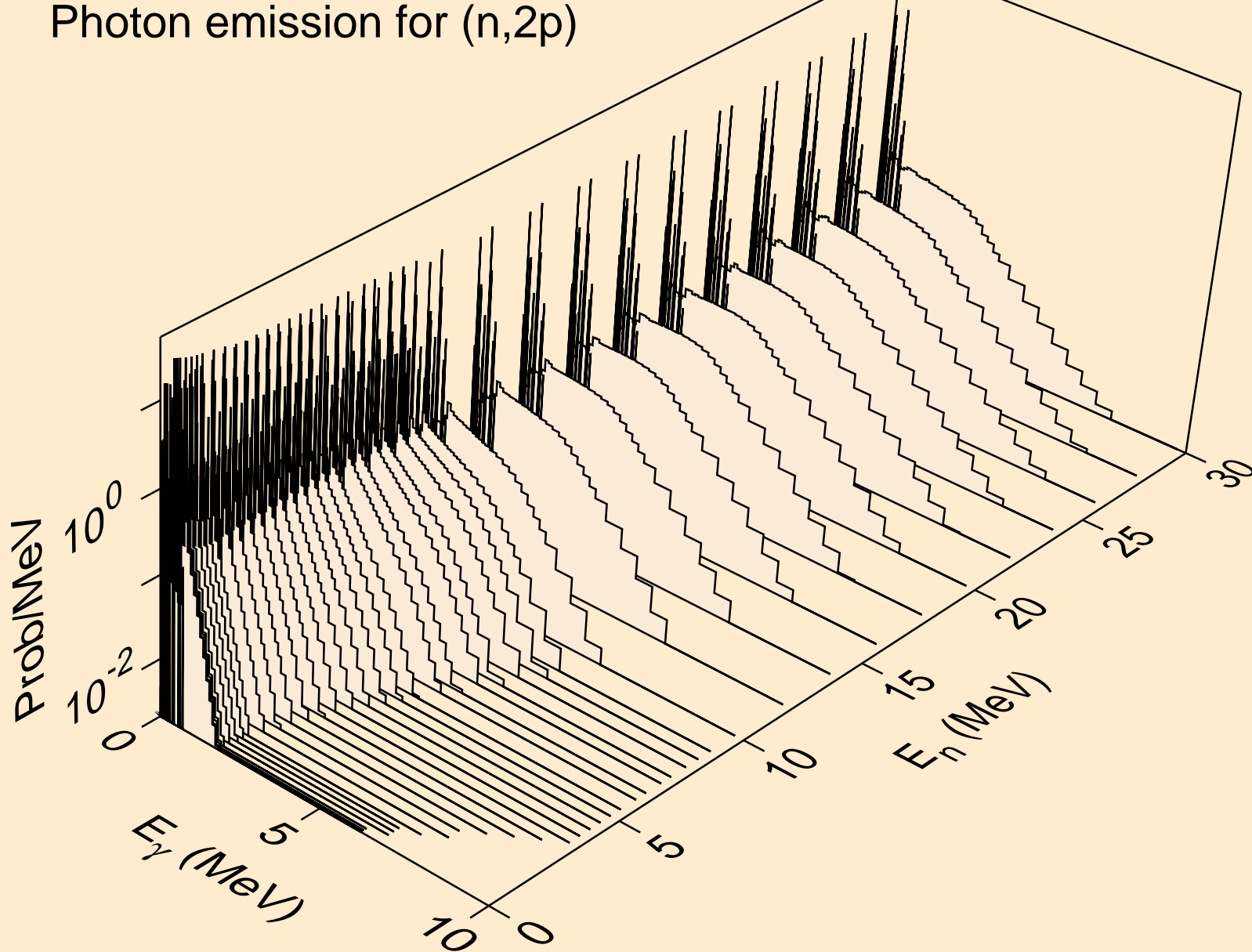
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



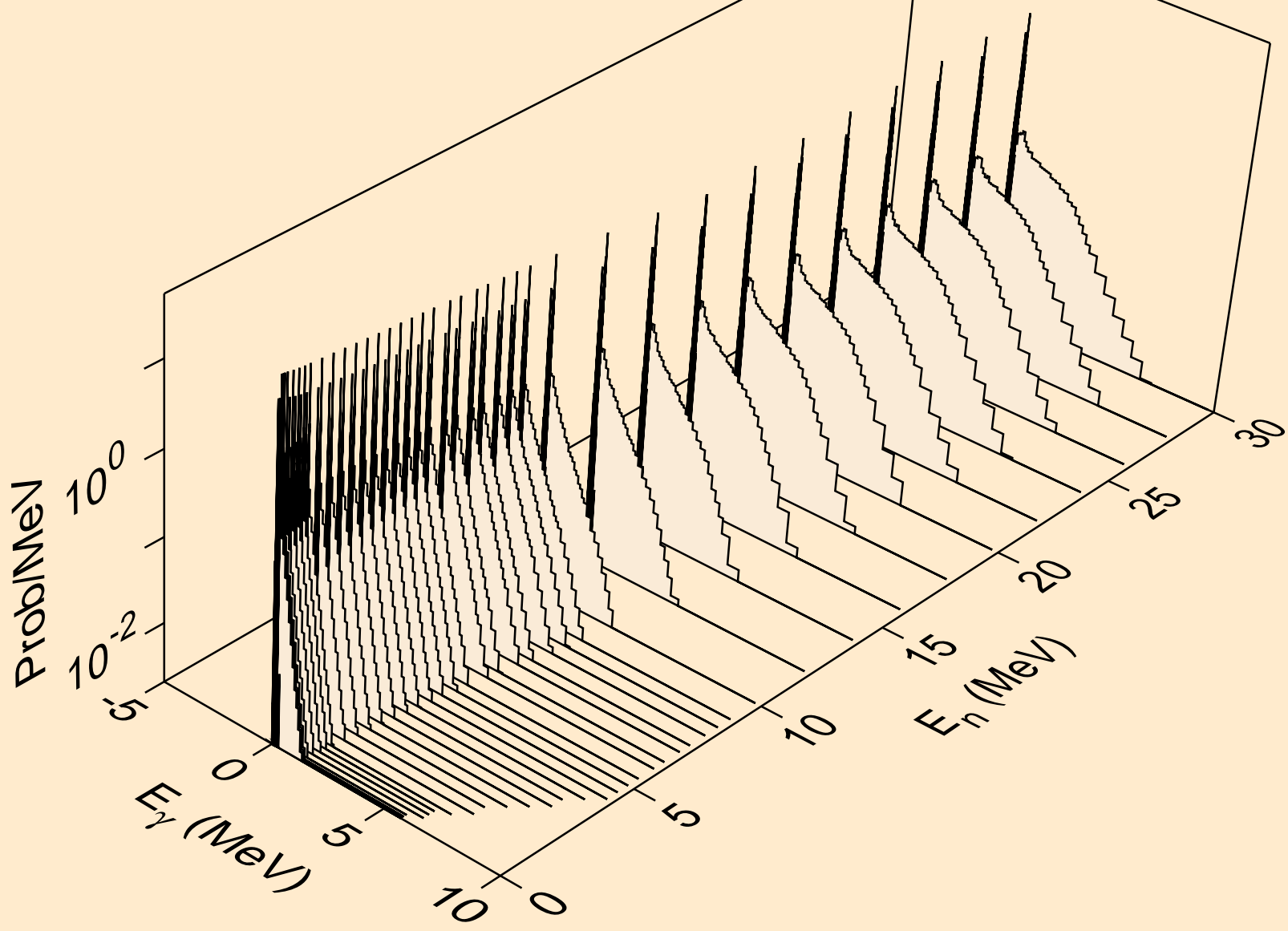
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



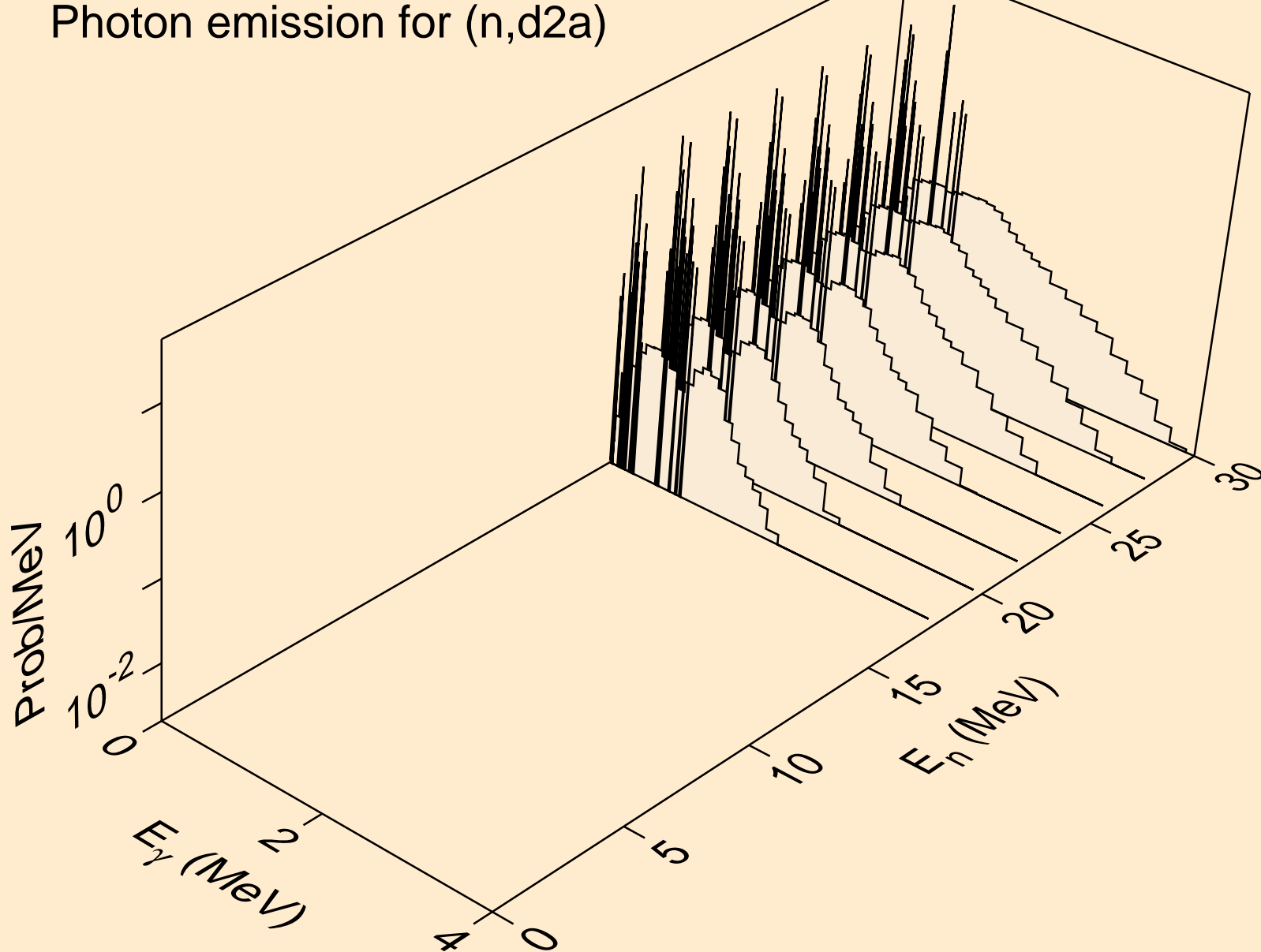
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



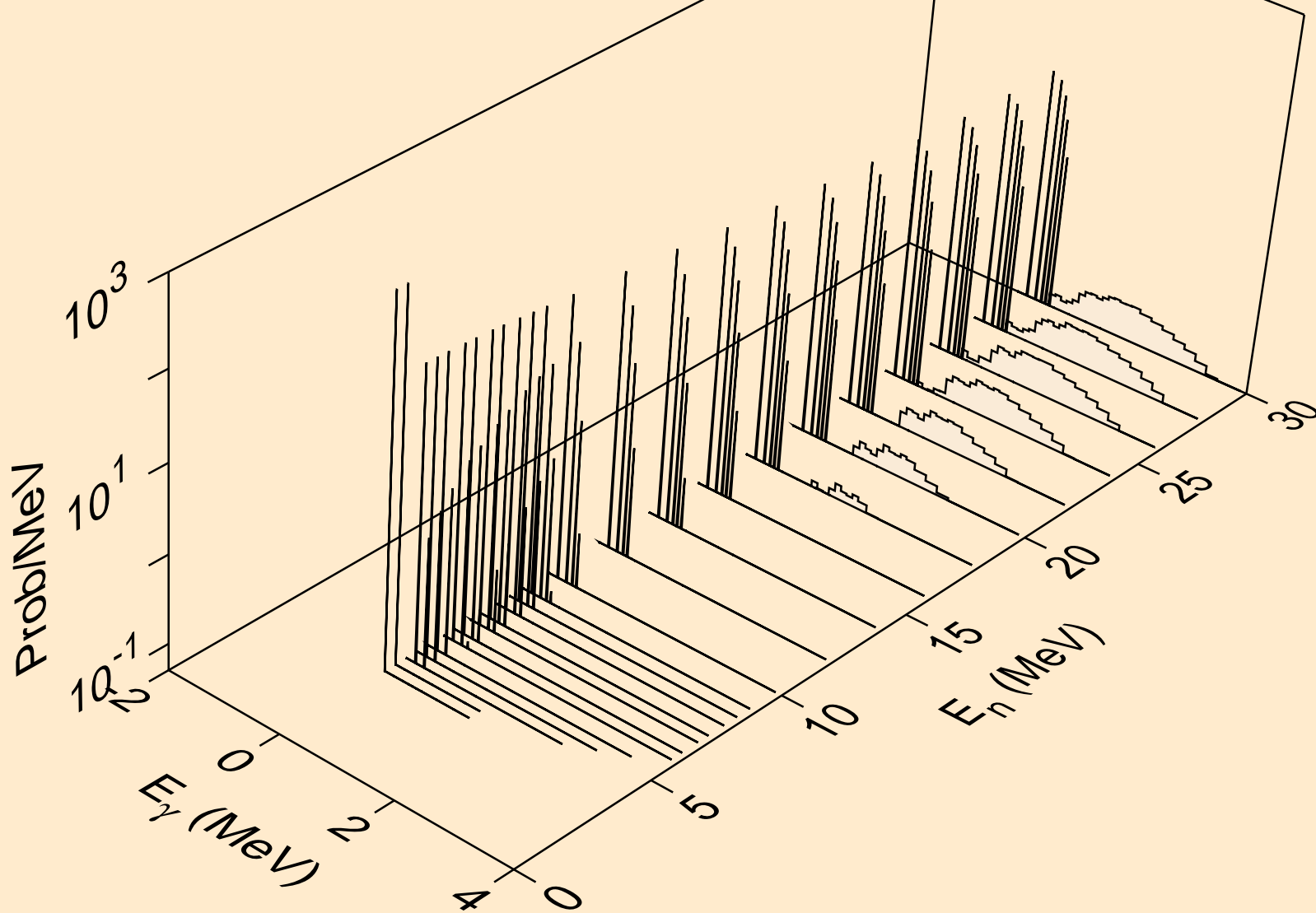
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



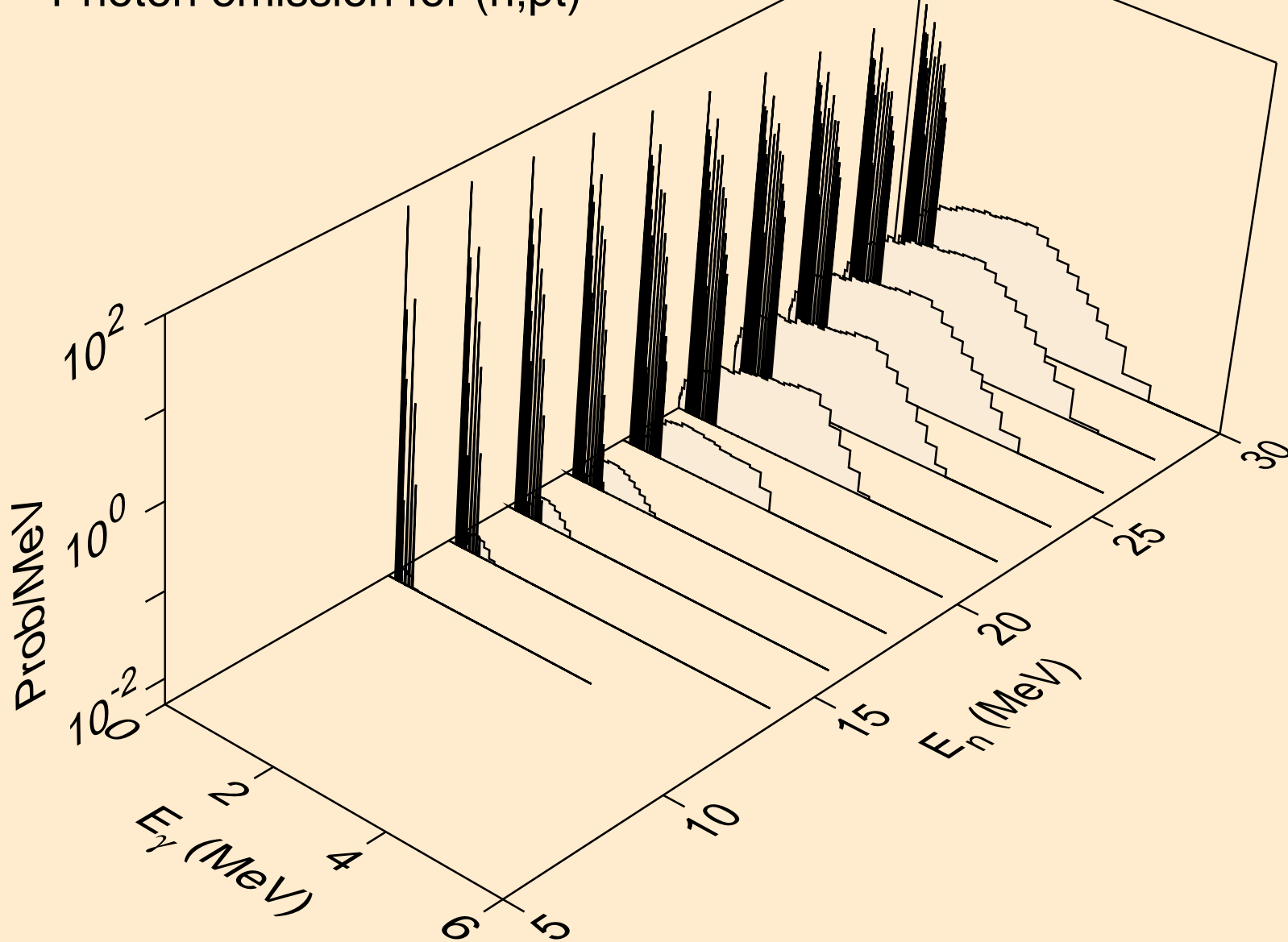
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



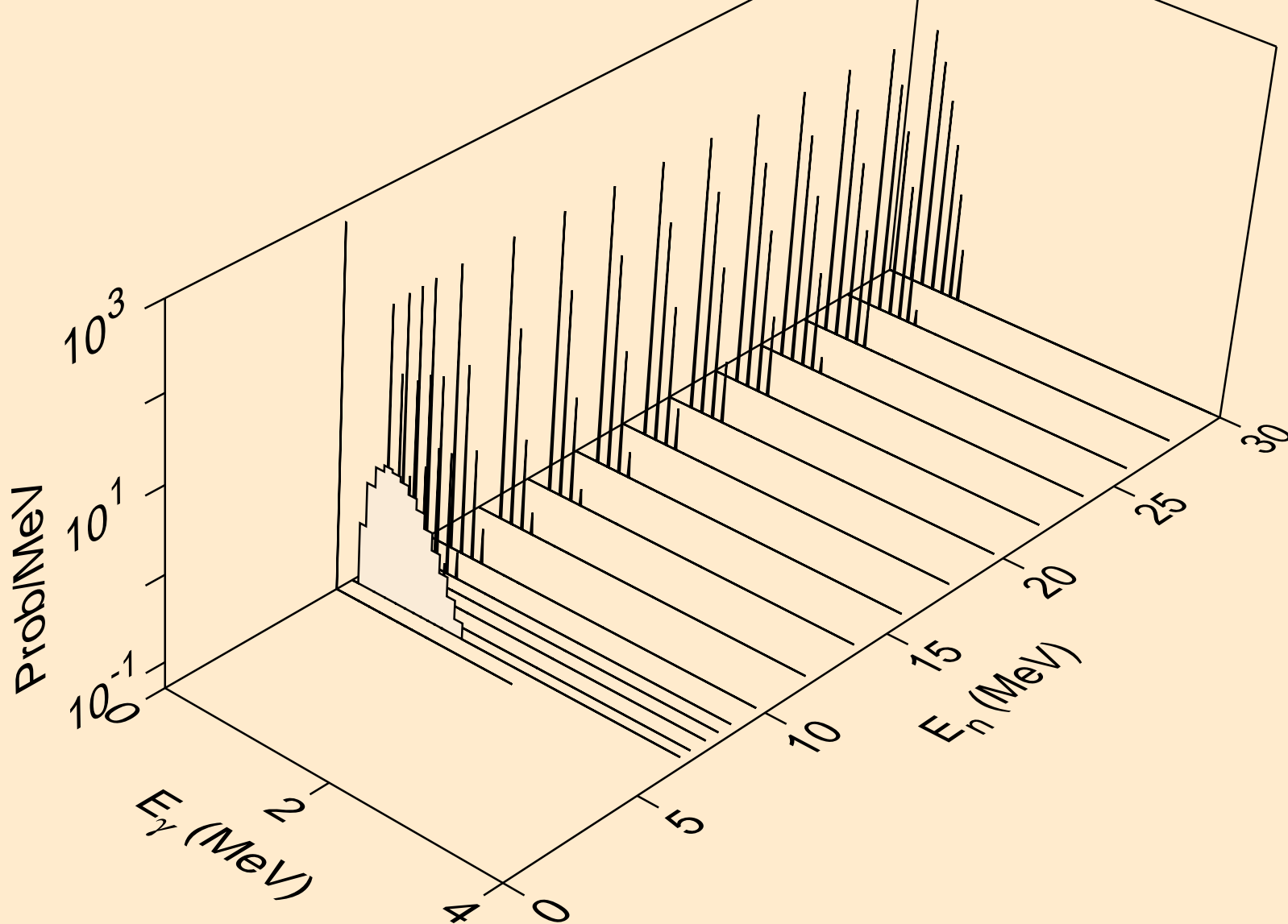
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



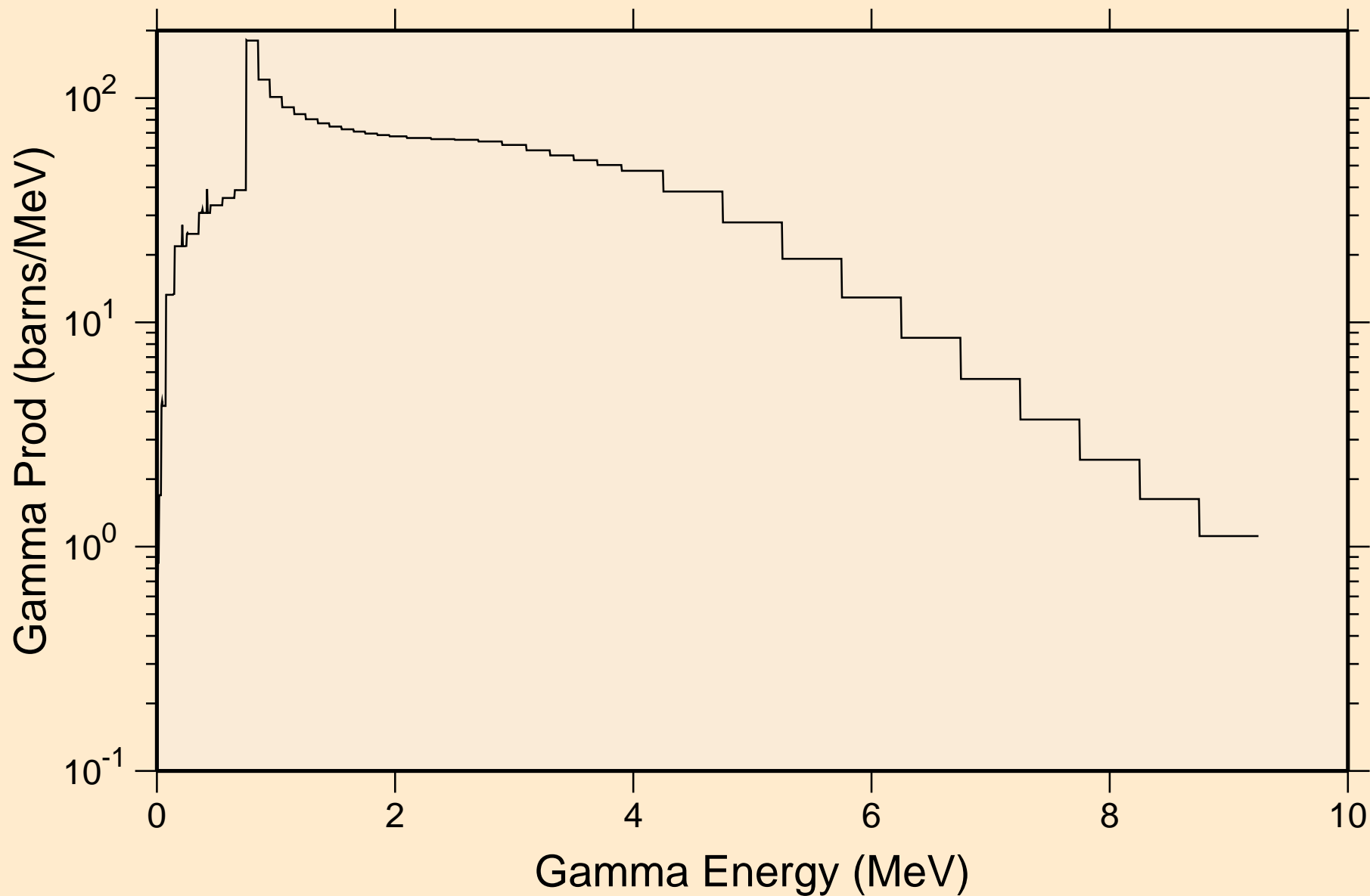
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



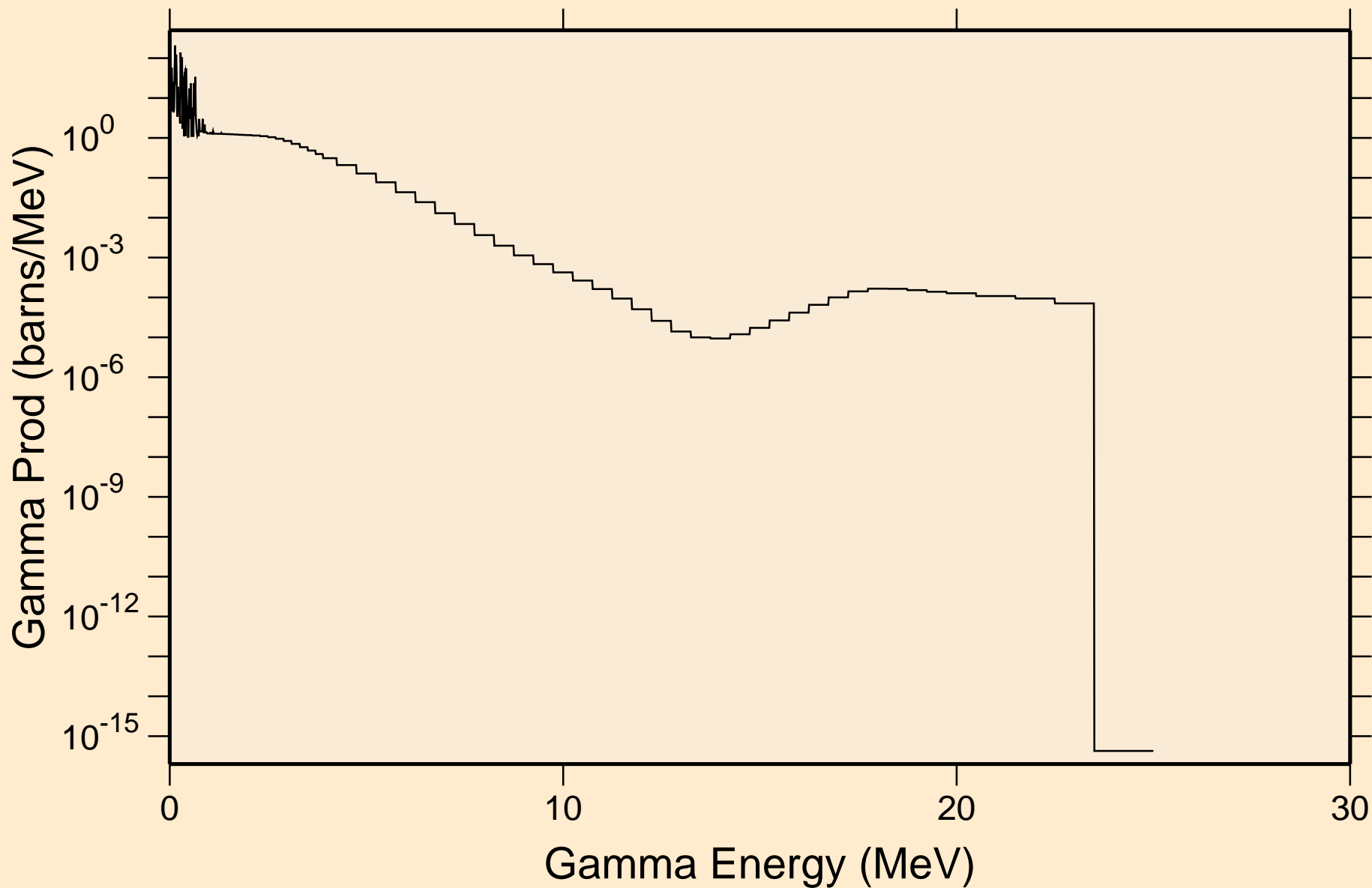
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

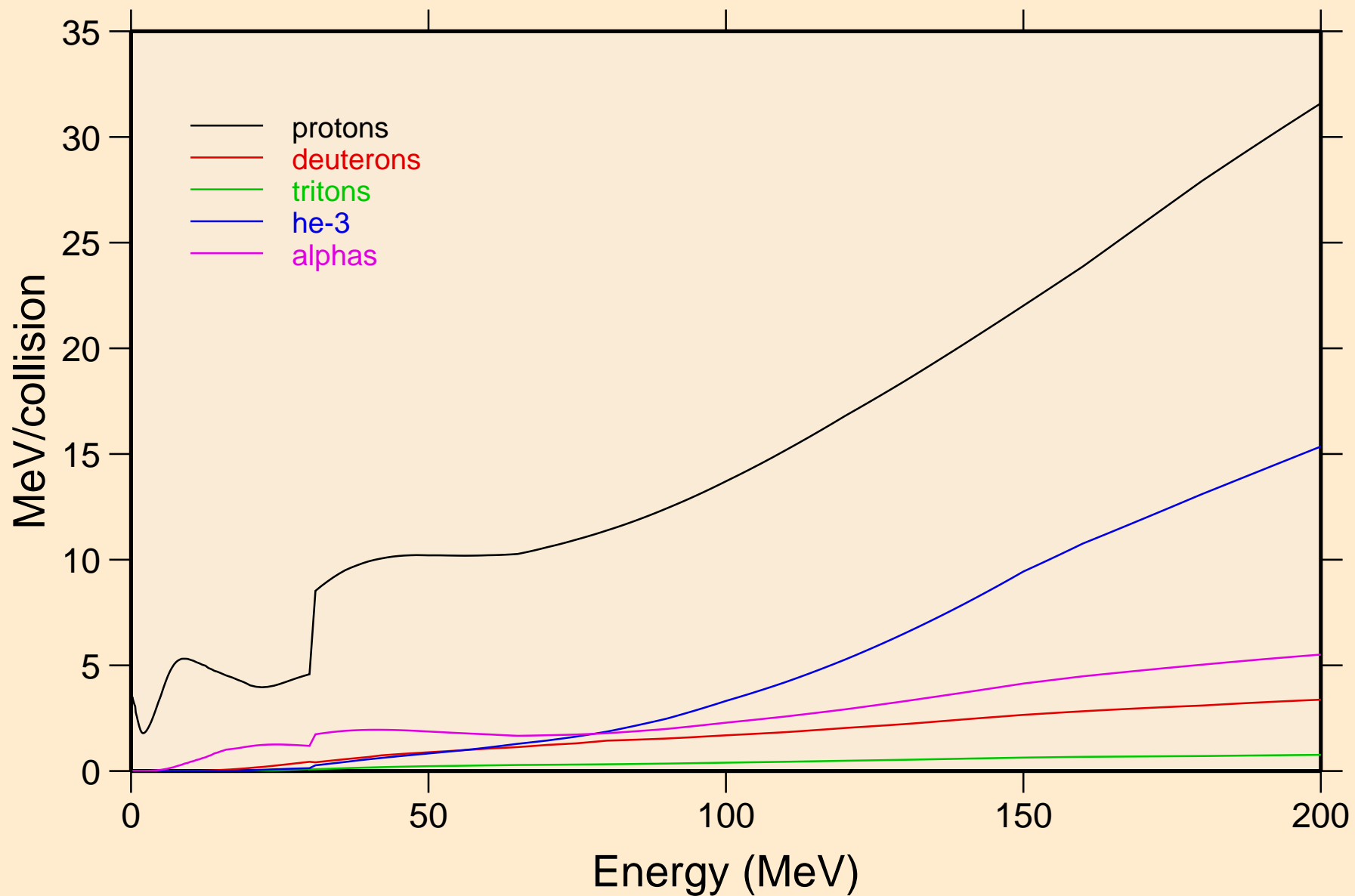


GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



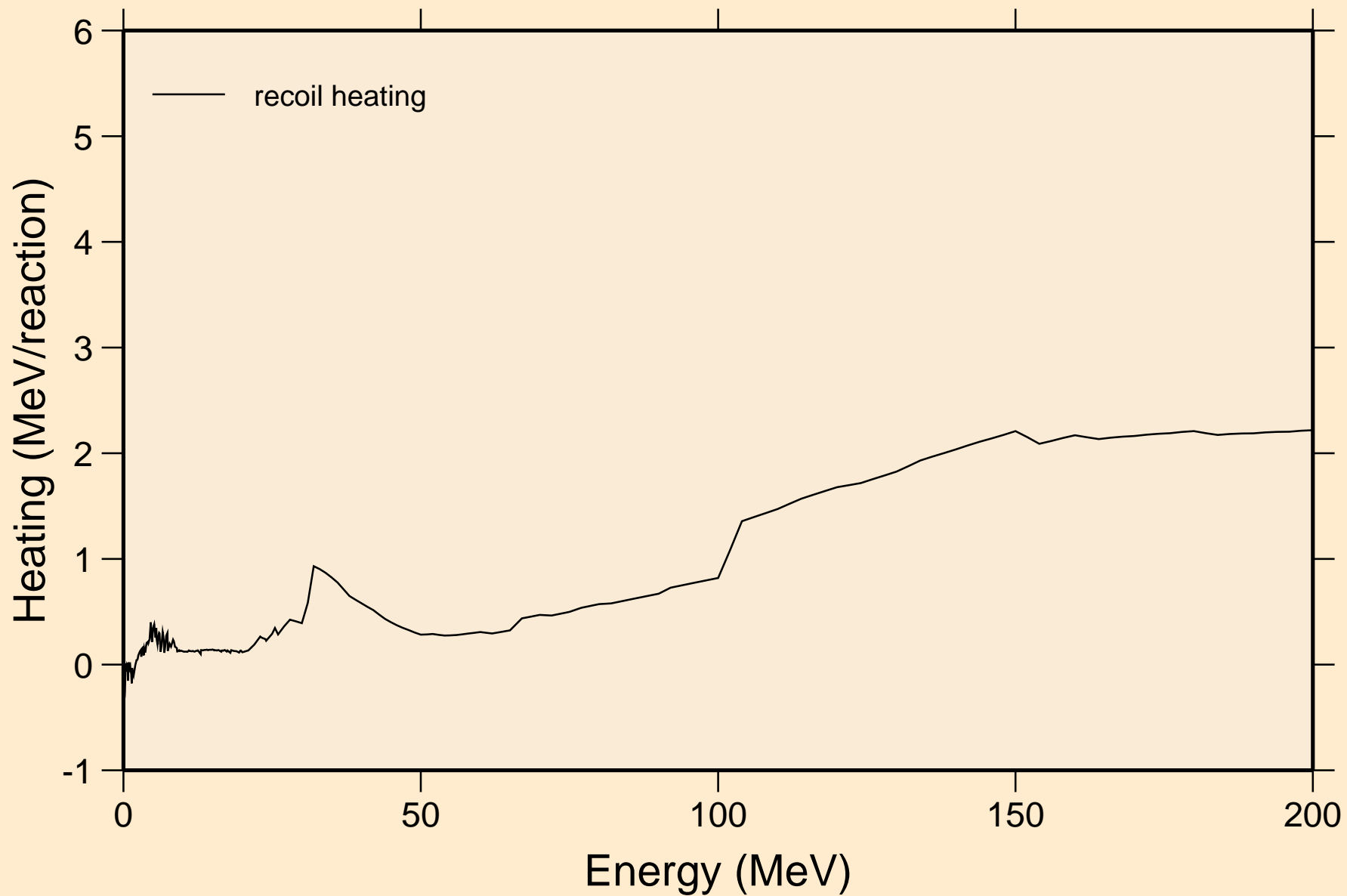
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## Particle heating contributions



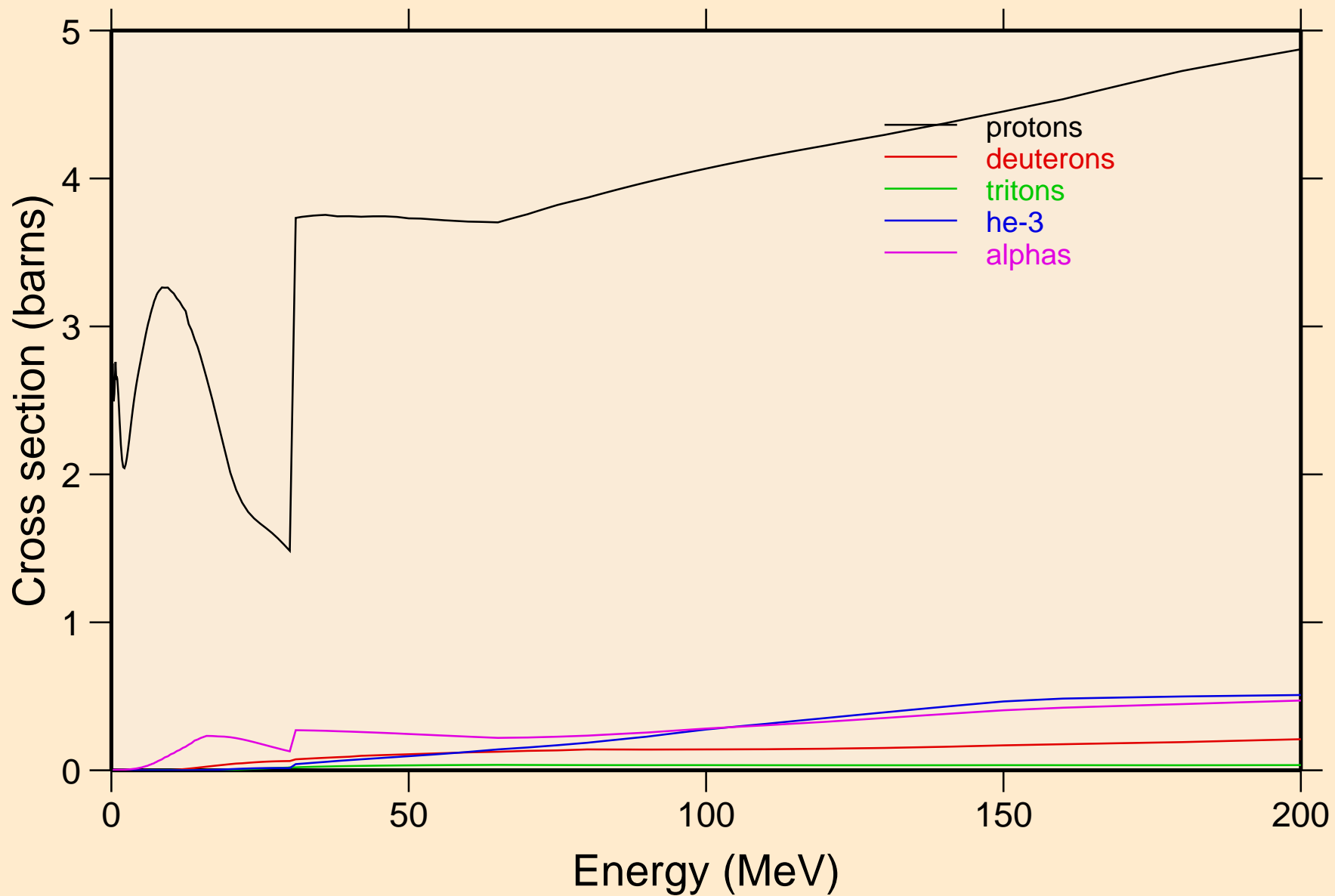
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## Recoil Heating

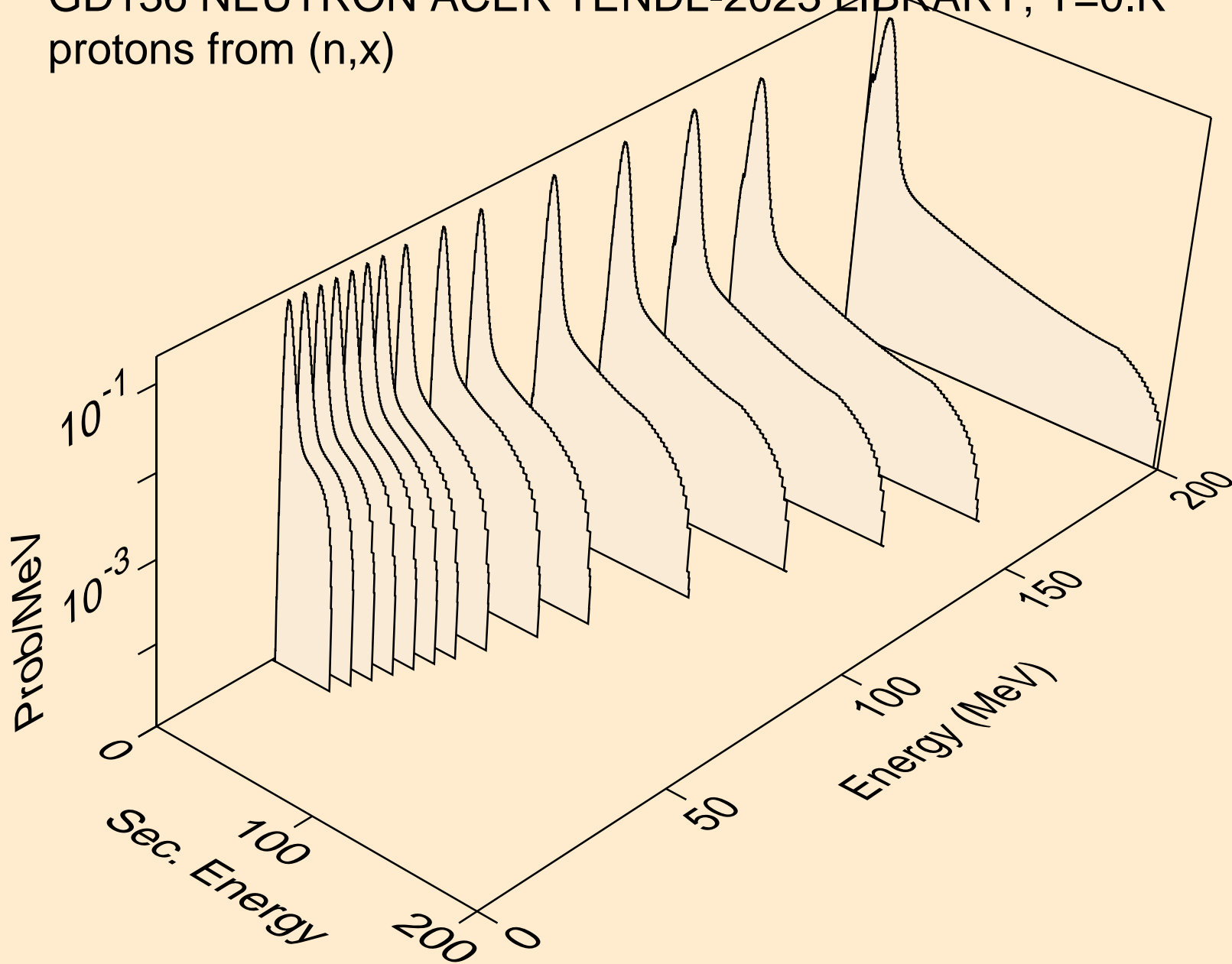


# GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

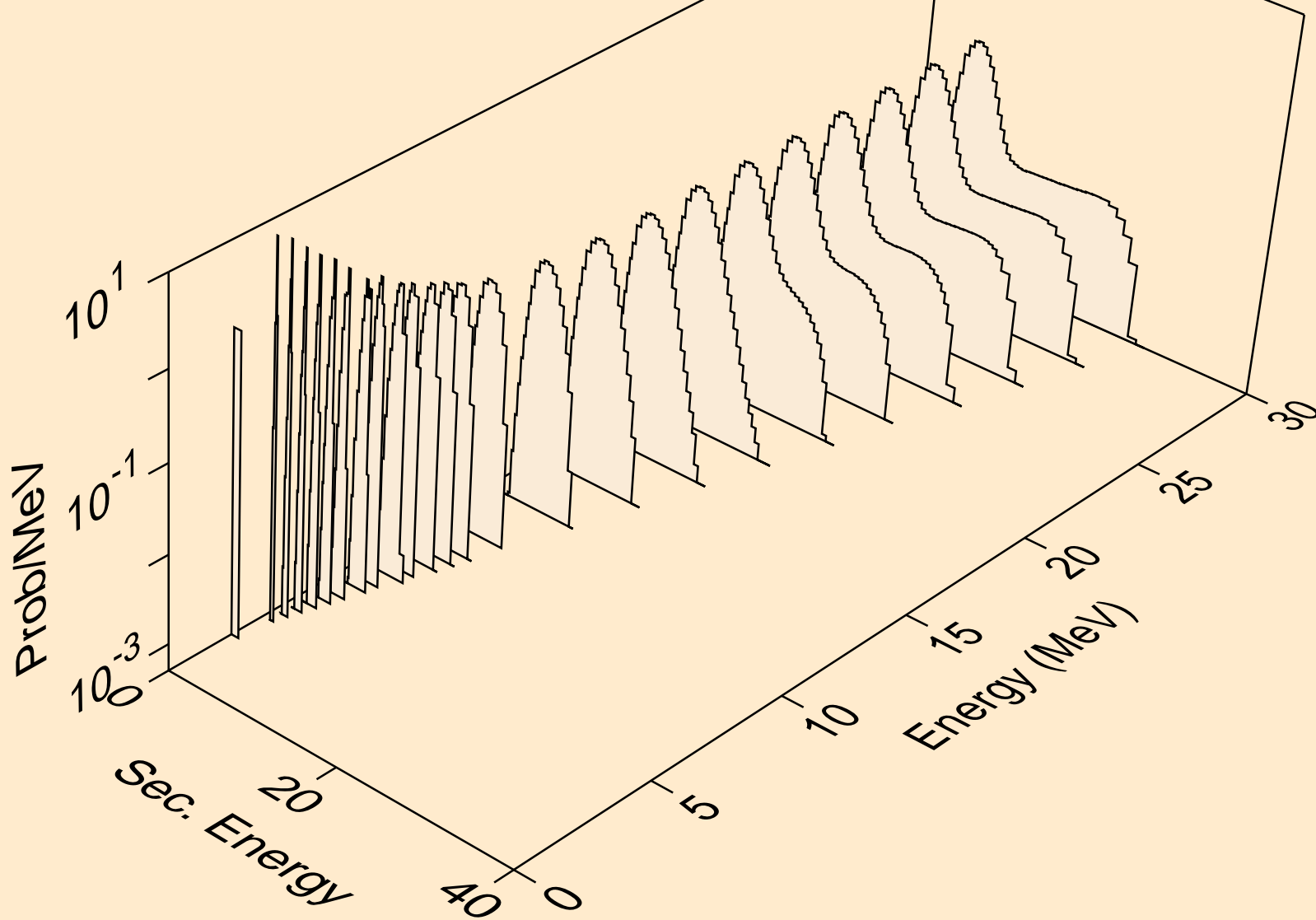
## Particle production cross sections



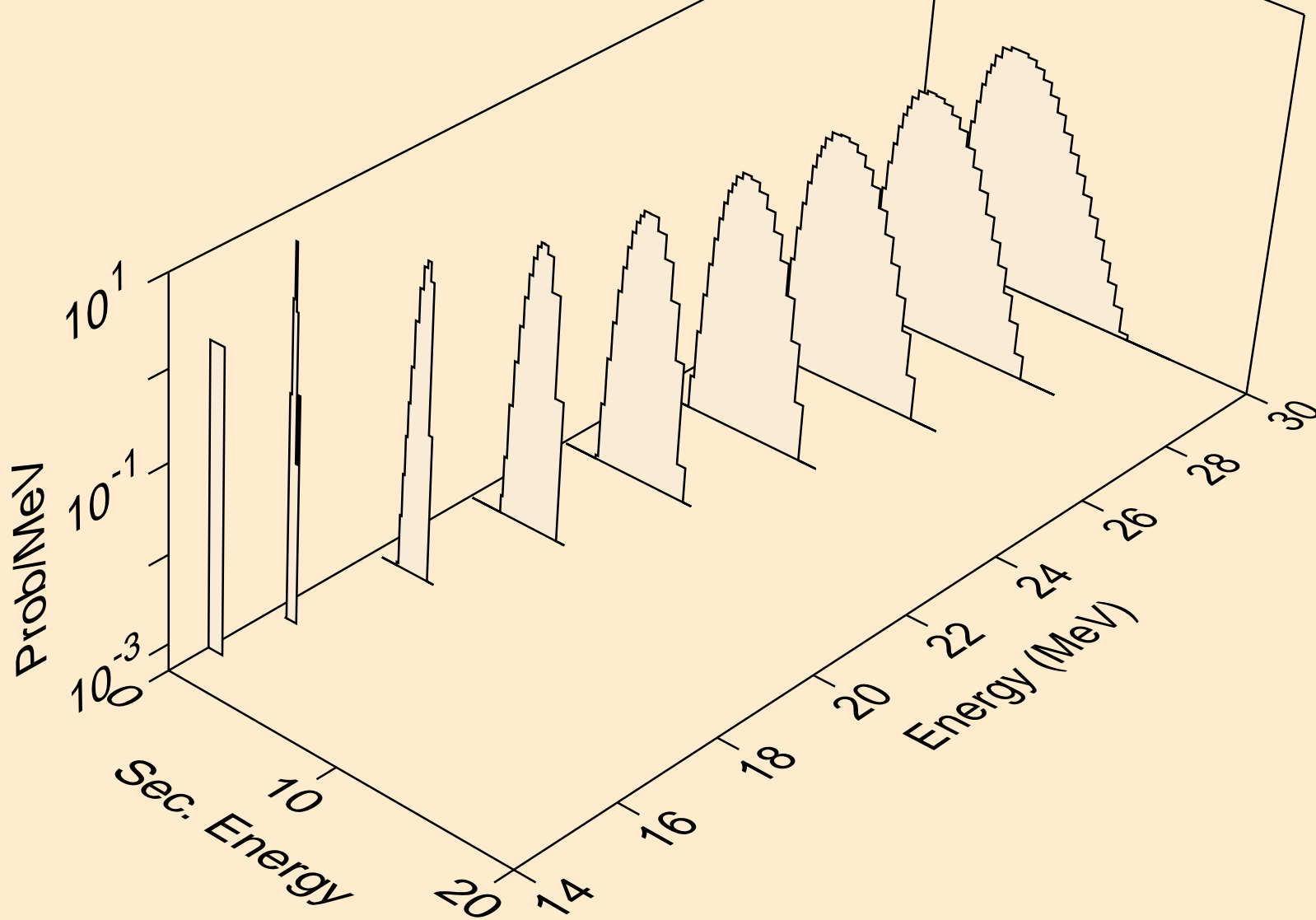
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



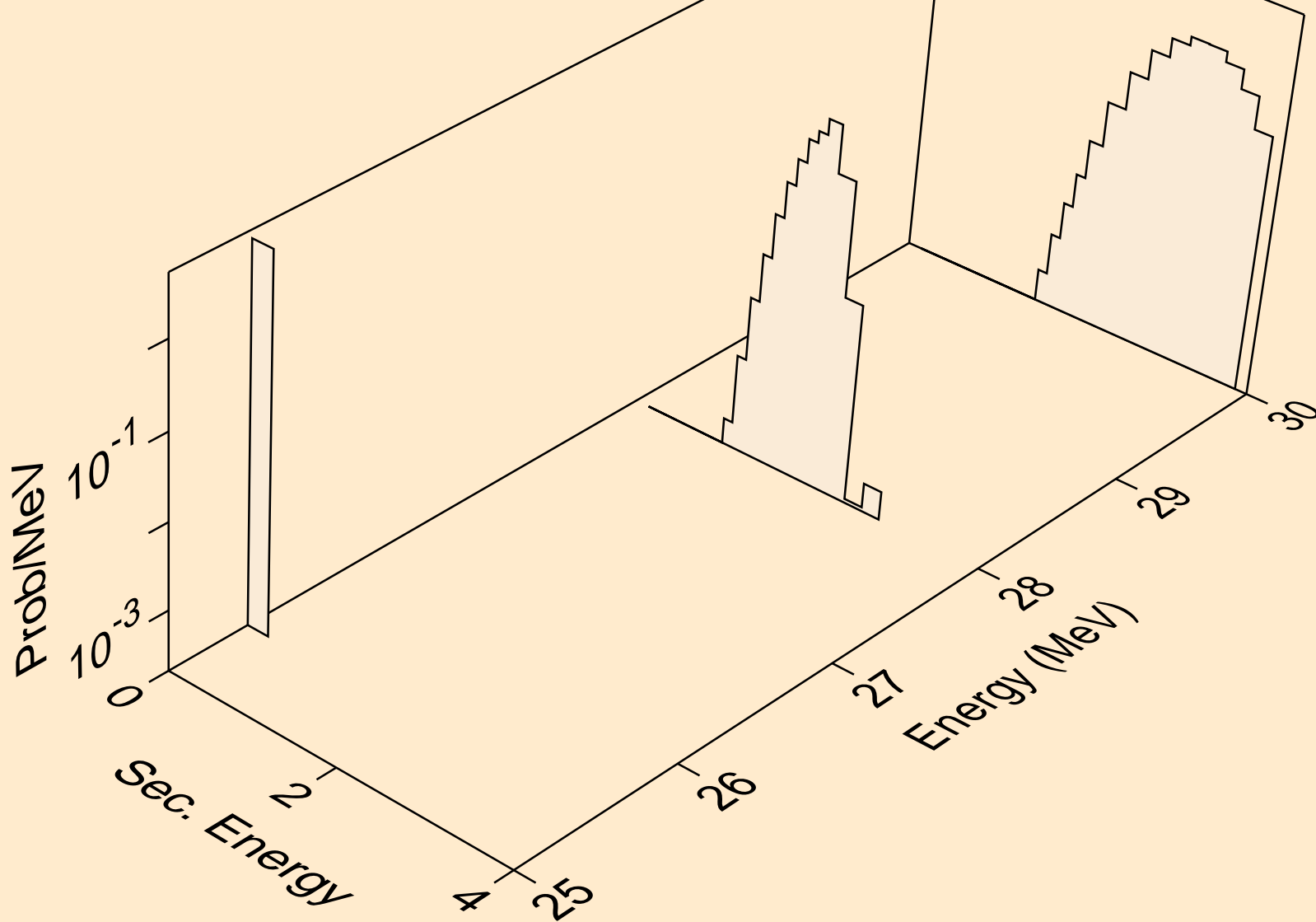
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



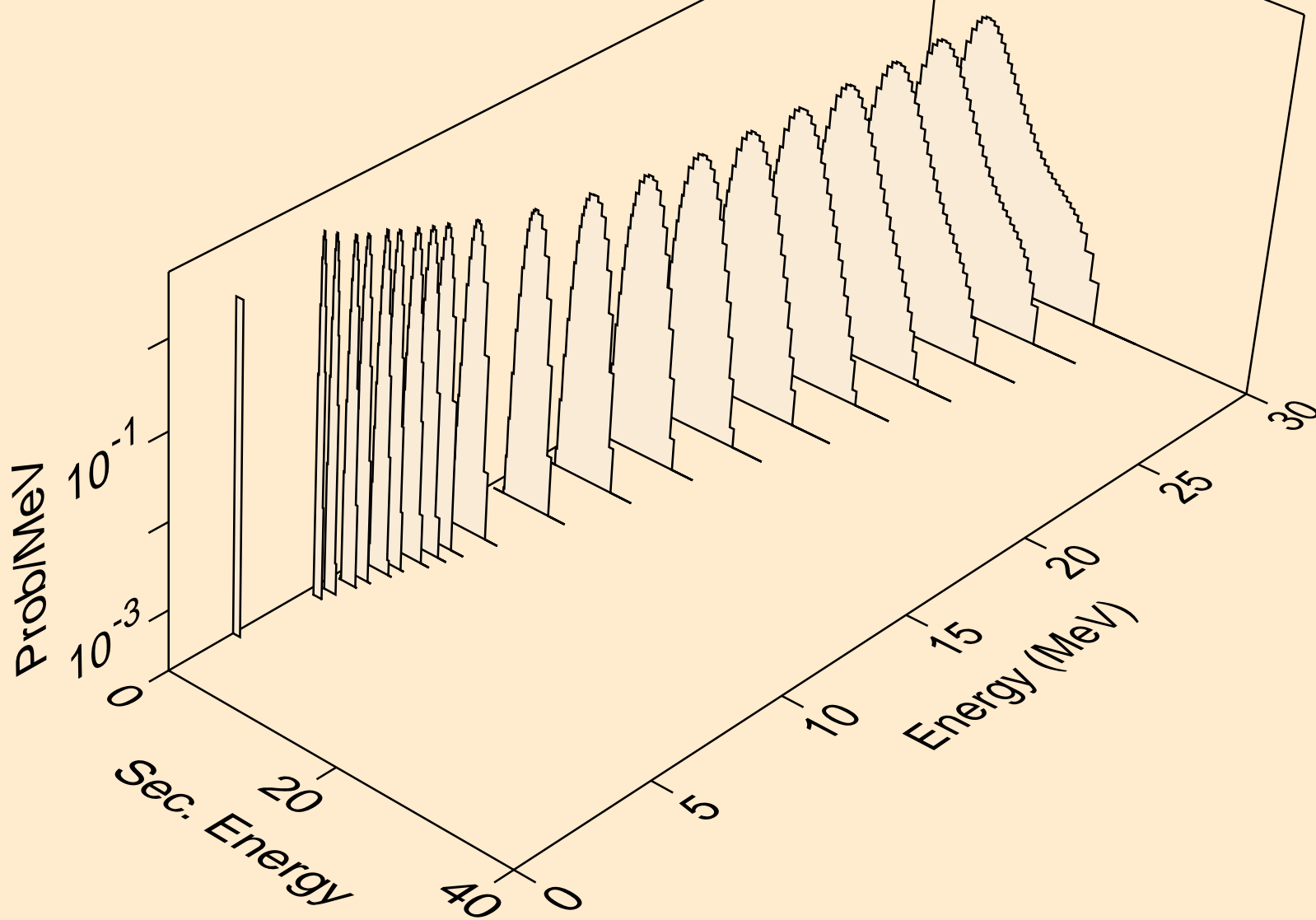
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protons from (n,2np)



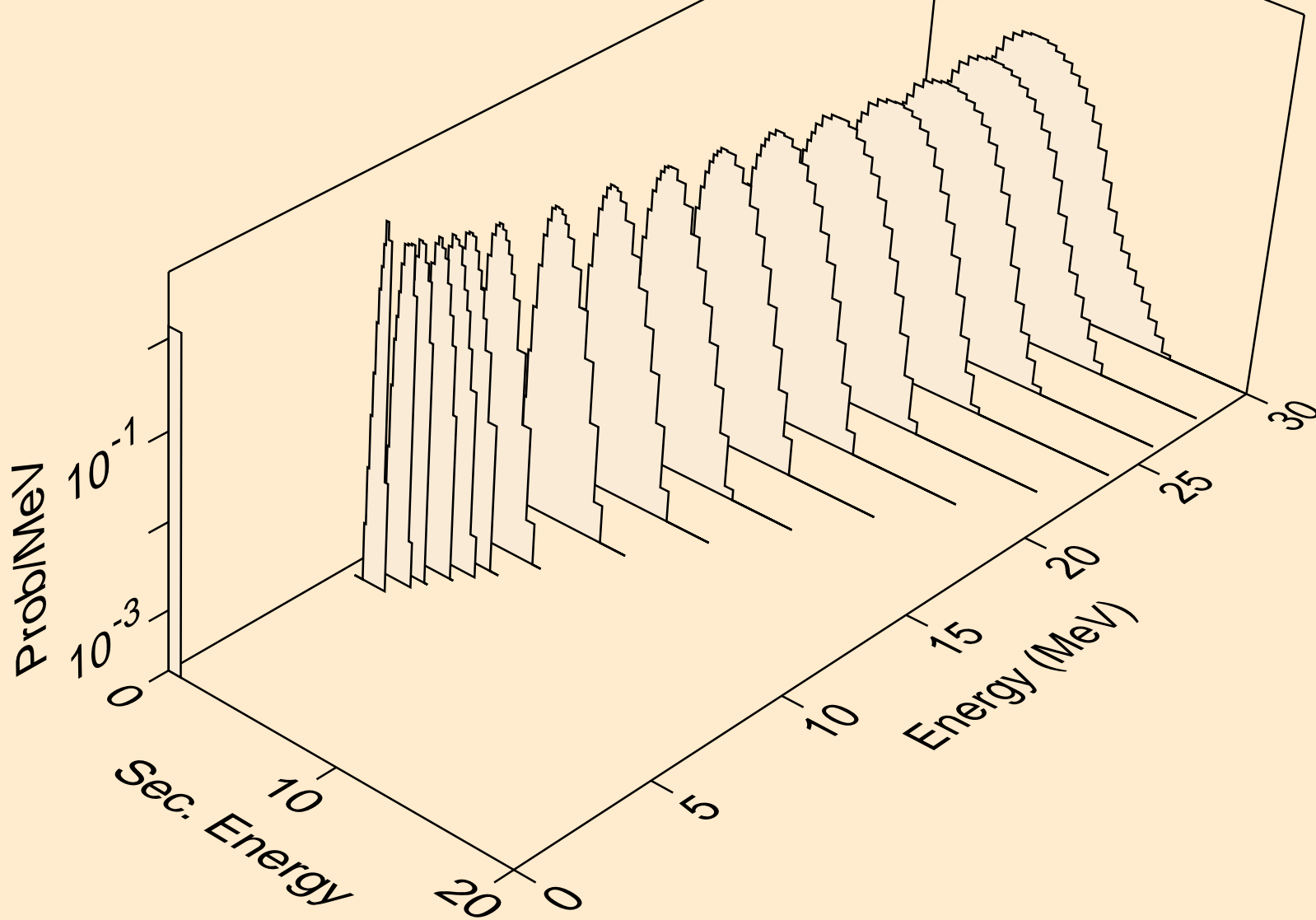
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protons from (n,3np)



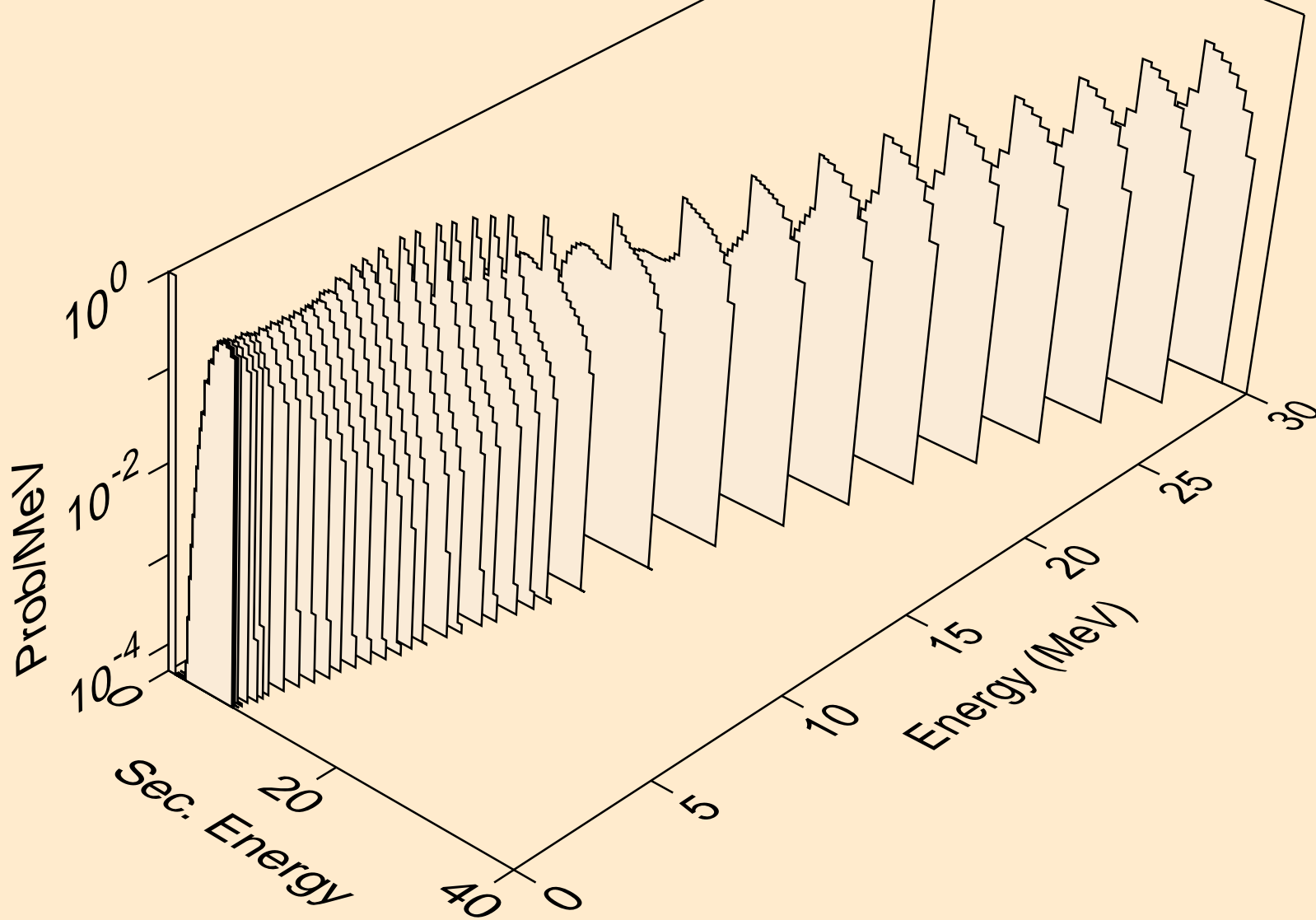
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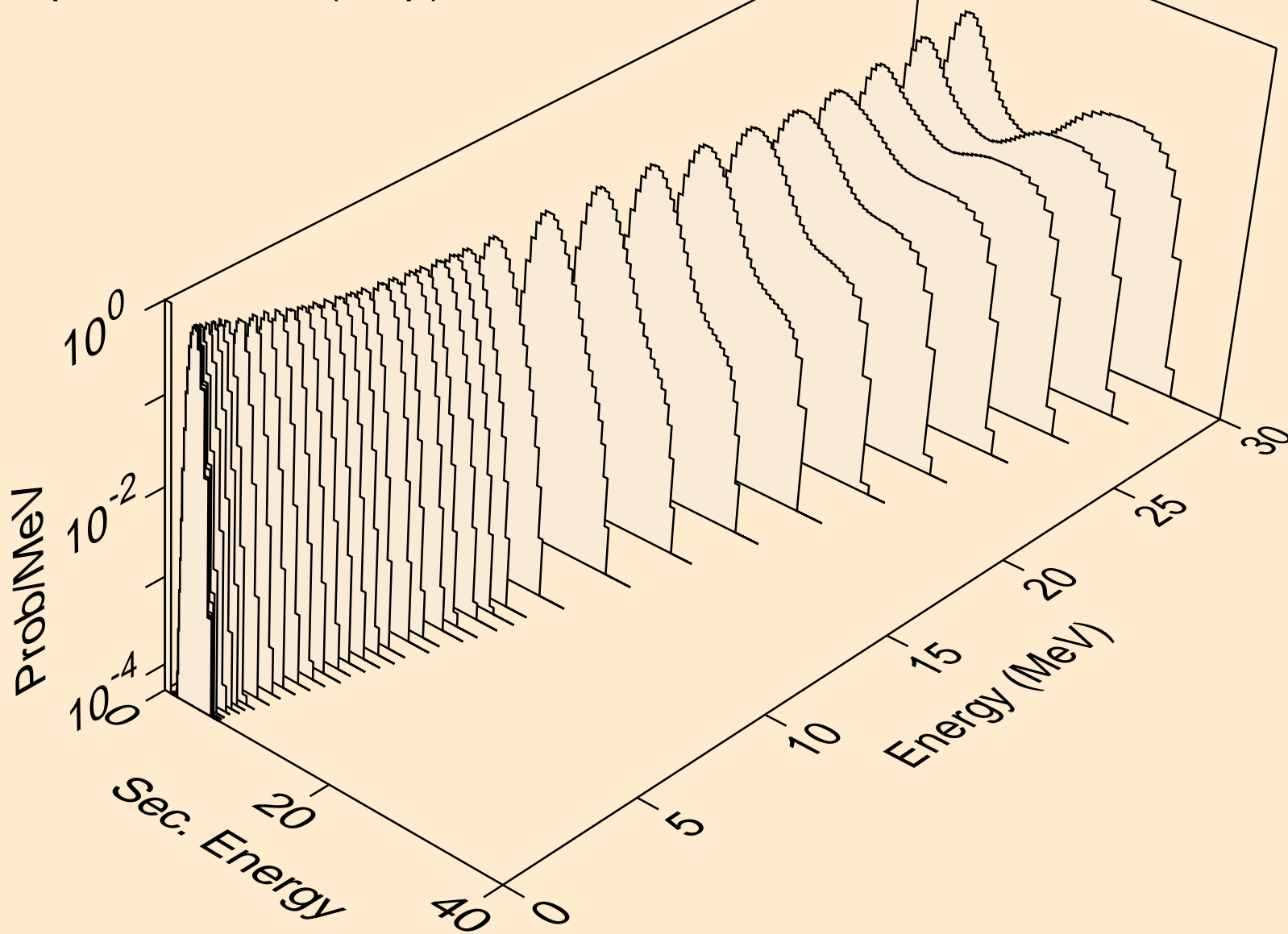
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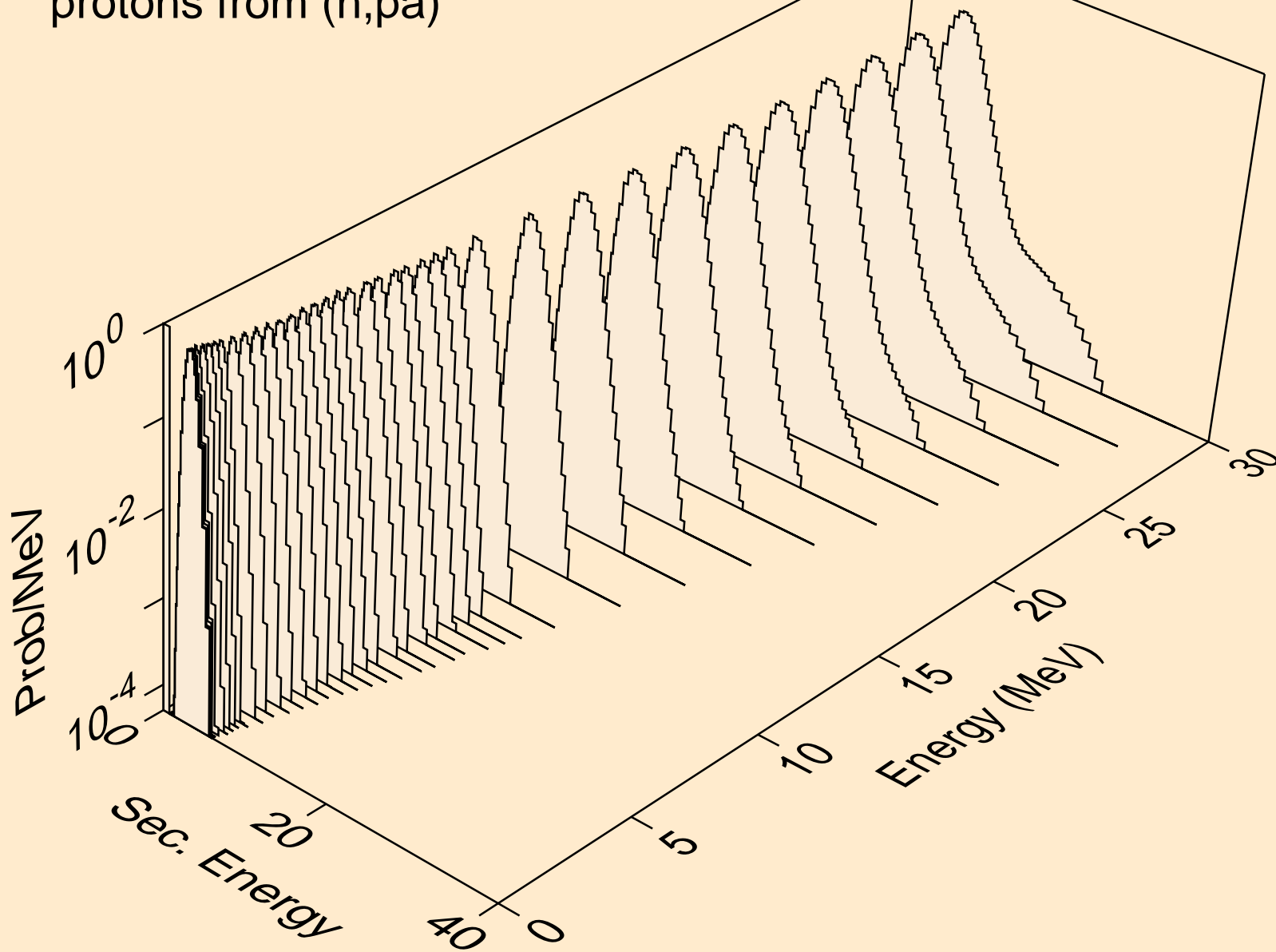
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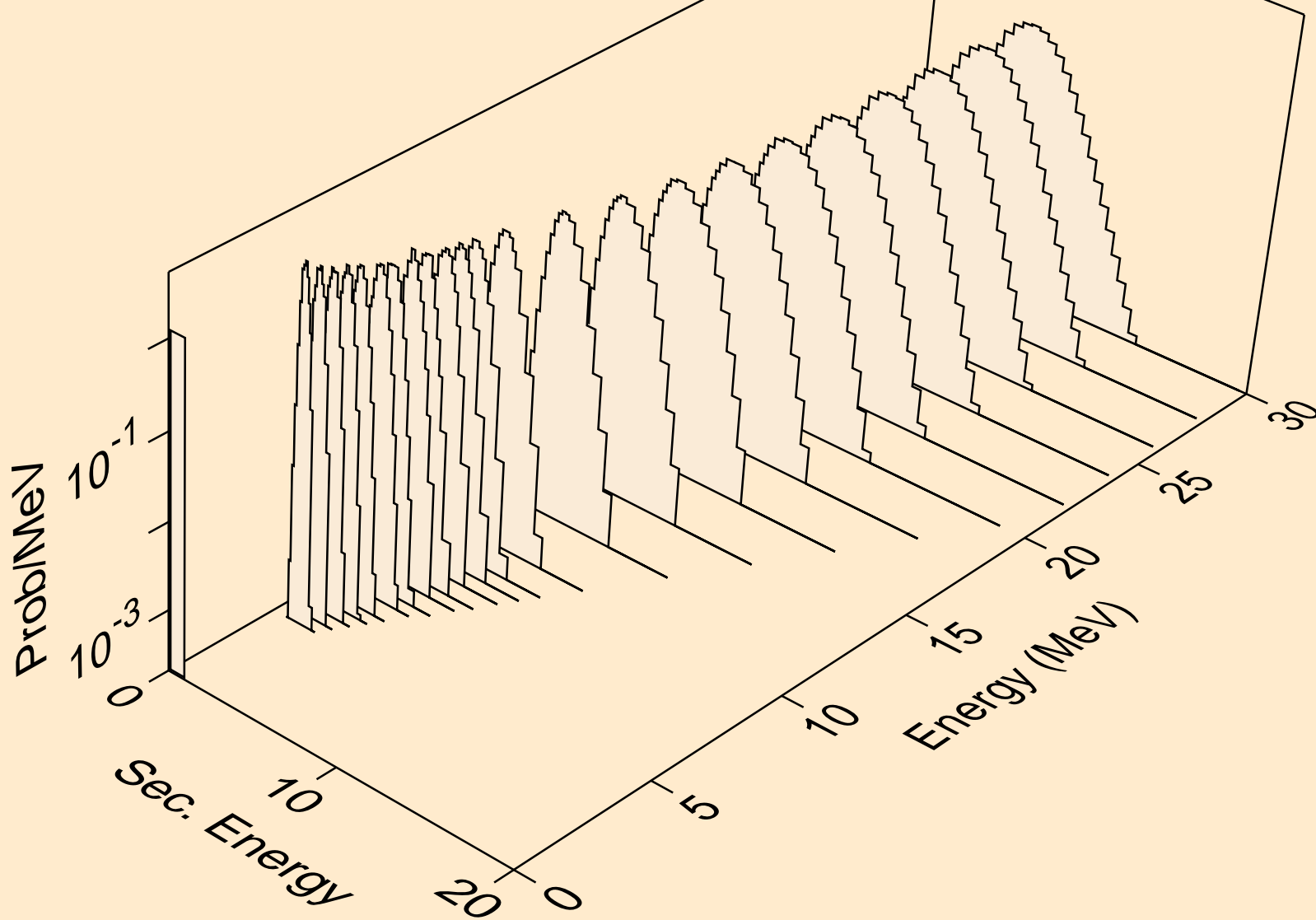
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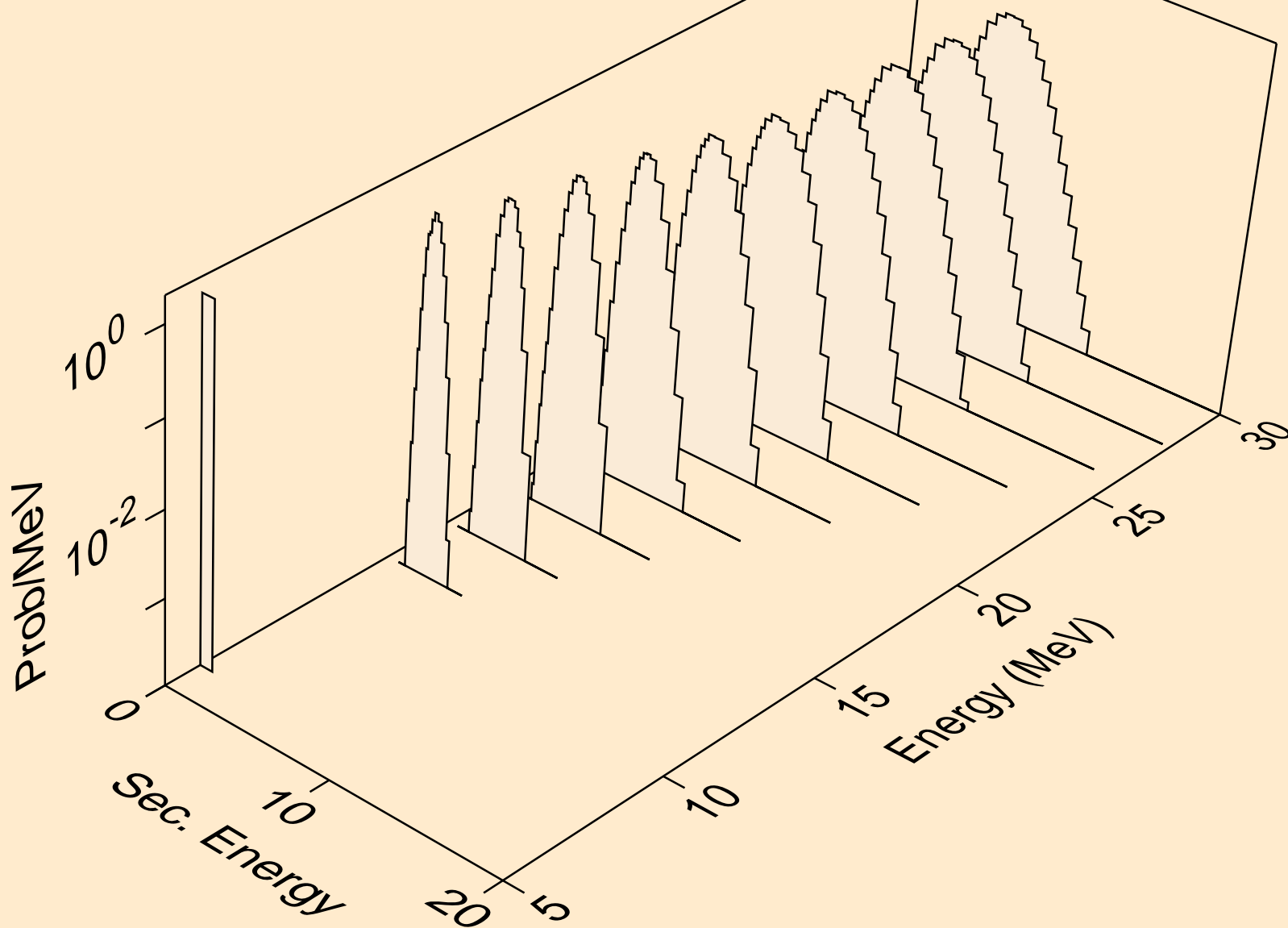
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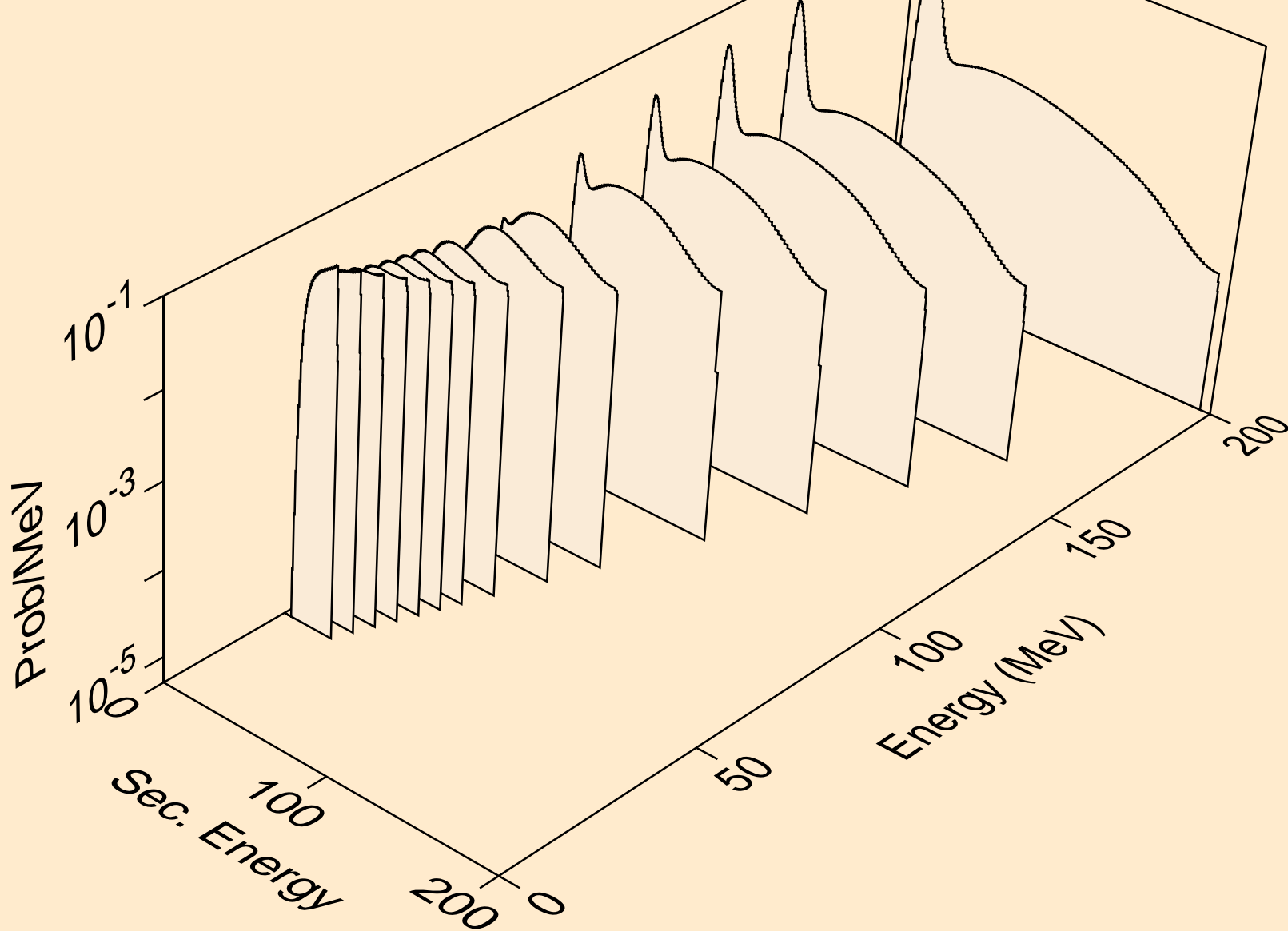
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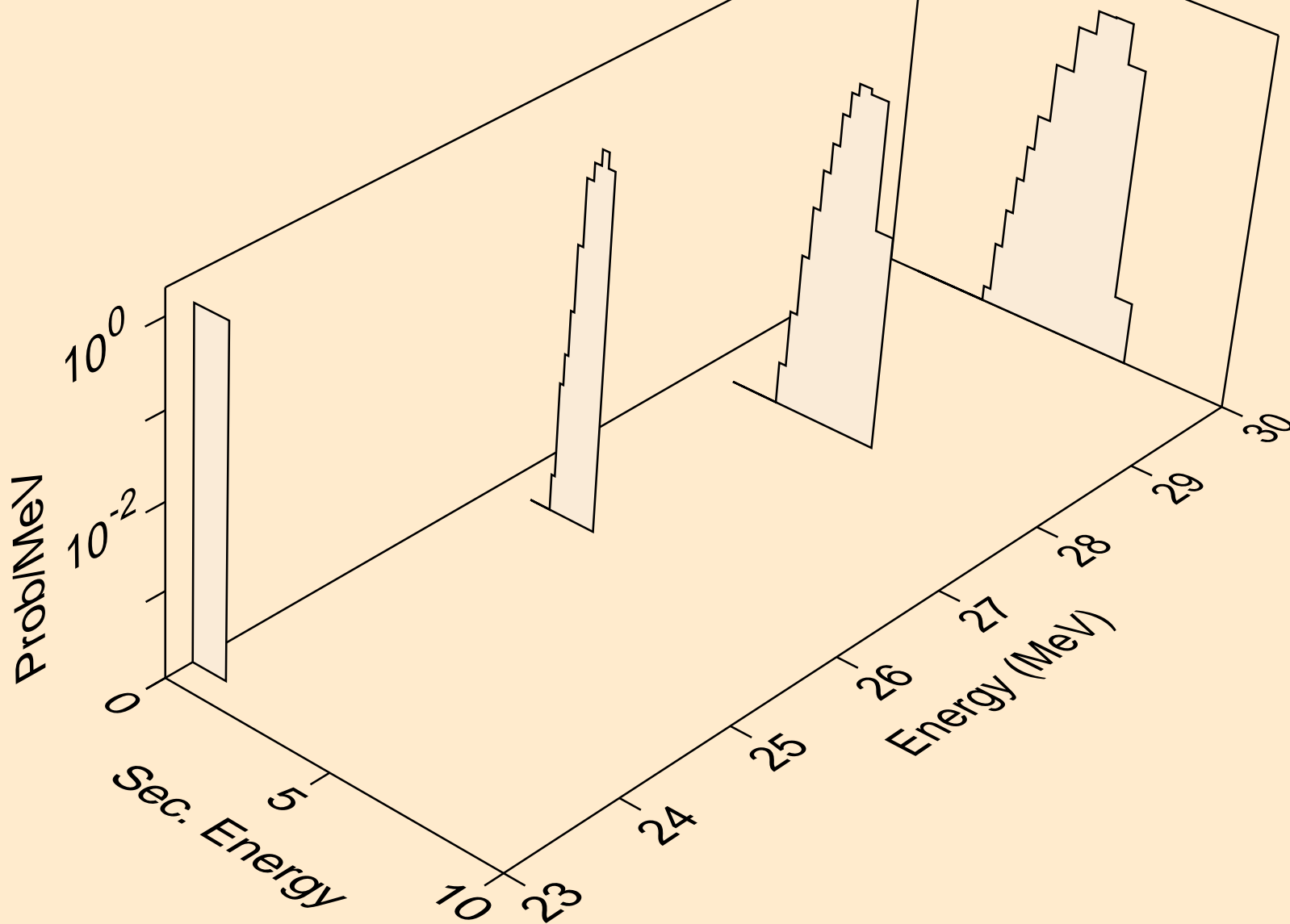
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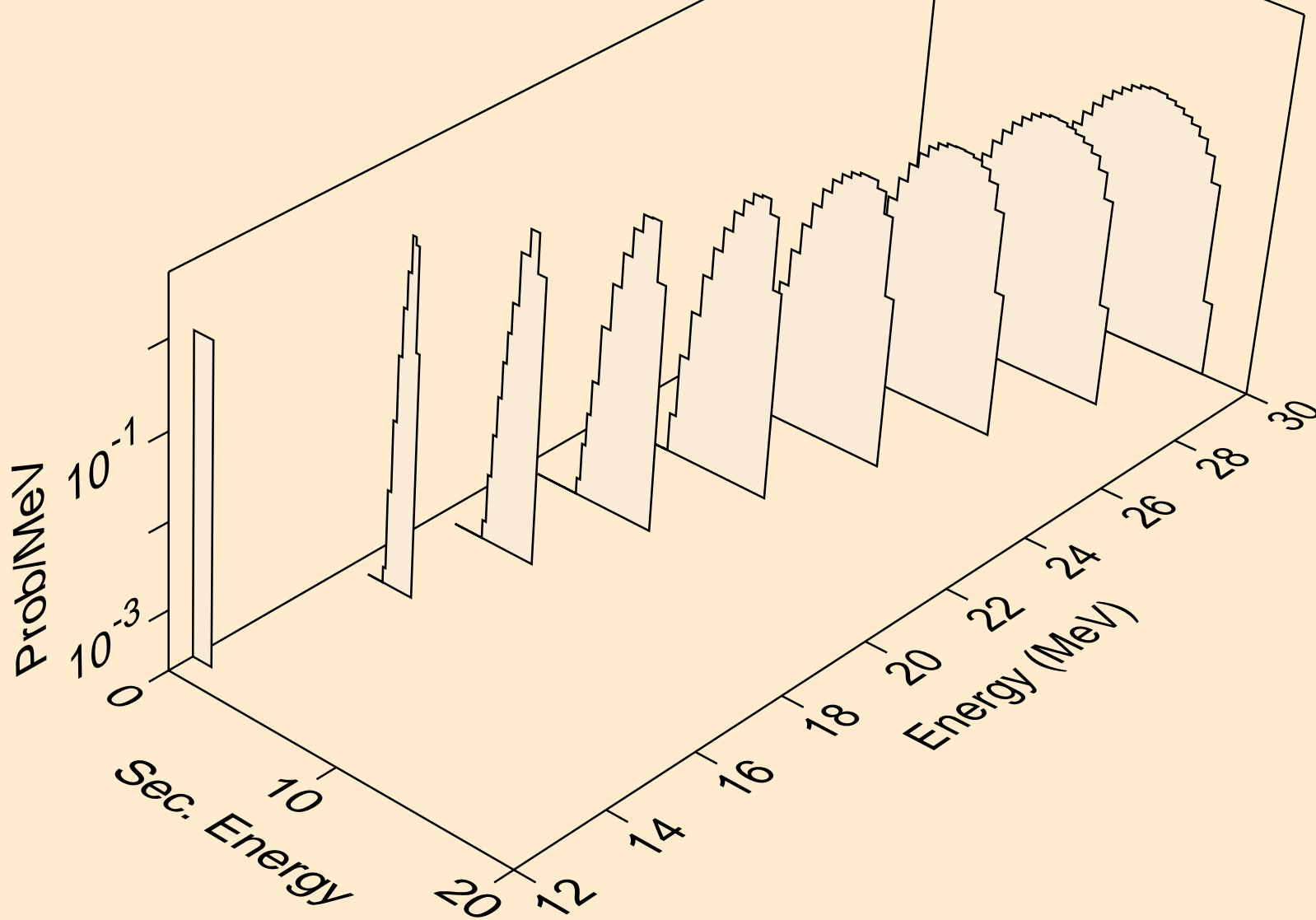
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deuterons from (n,x)



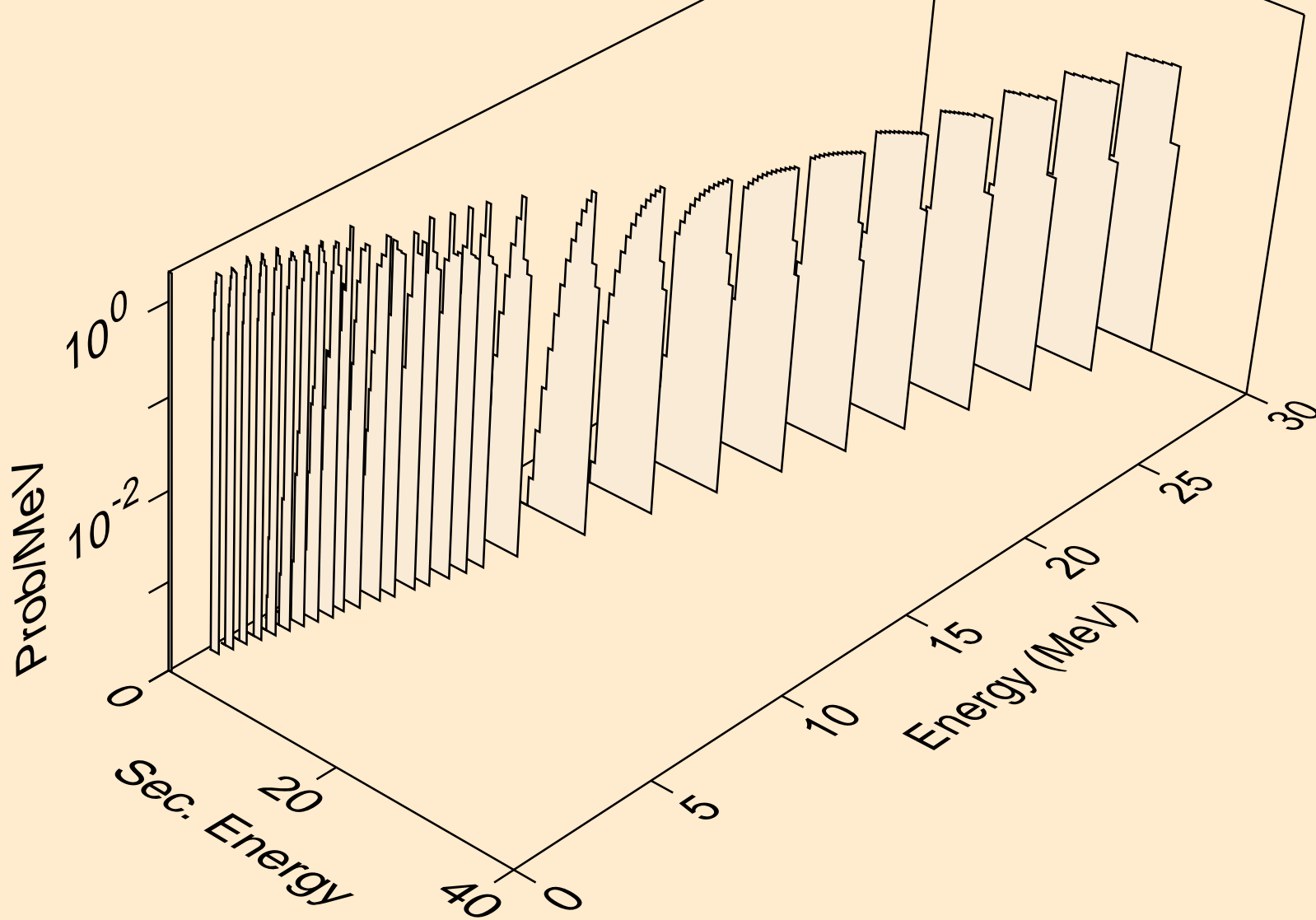
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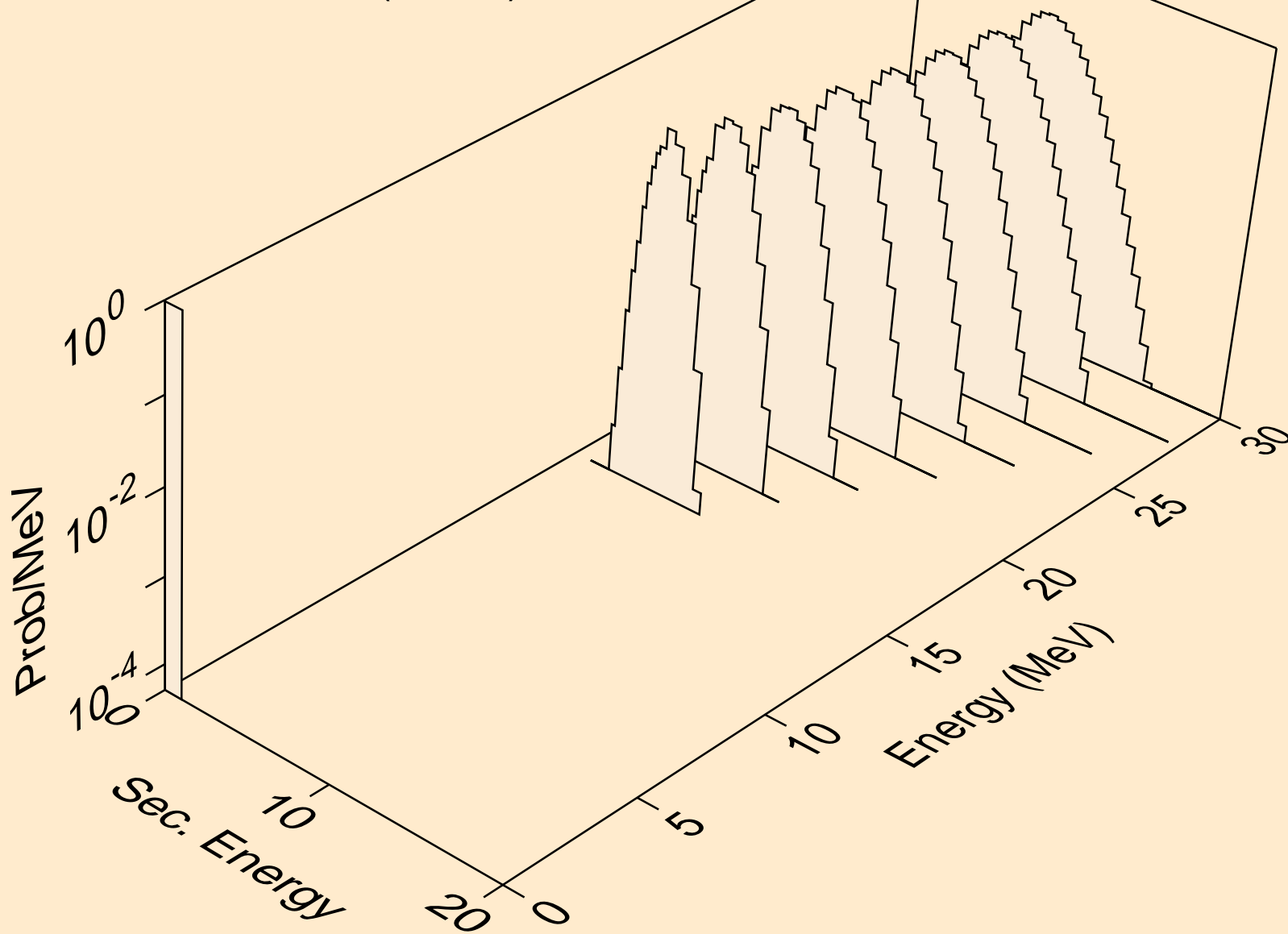
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deuterons from (n,n\*)d



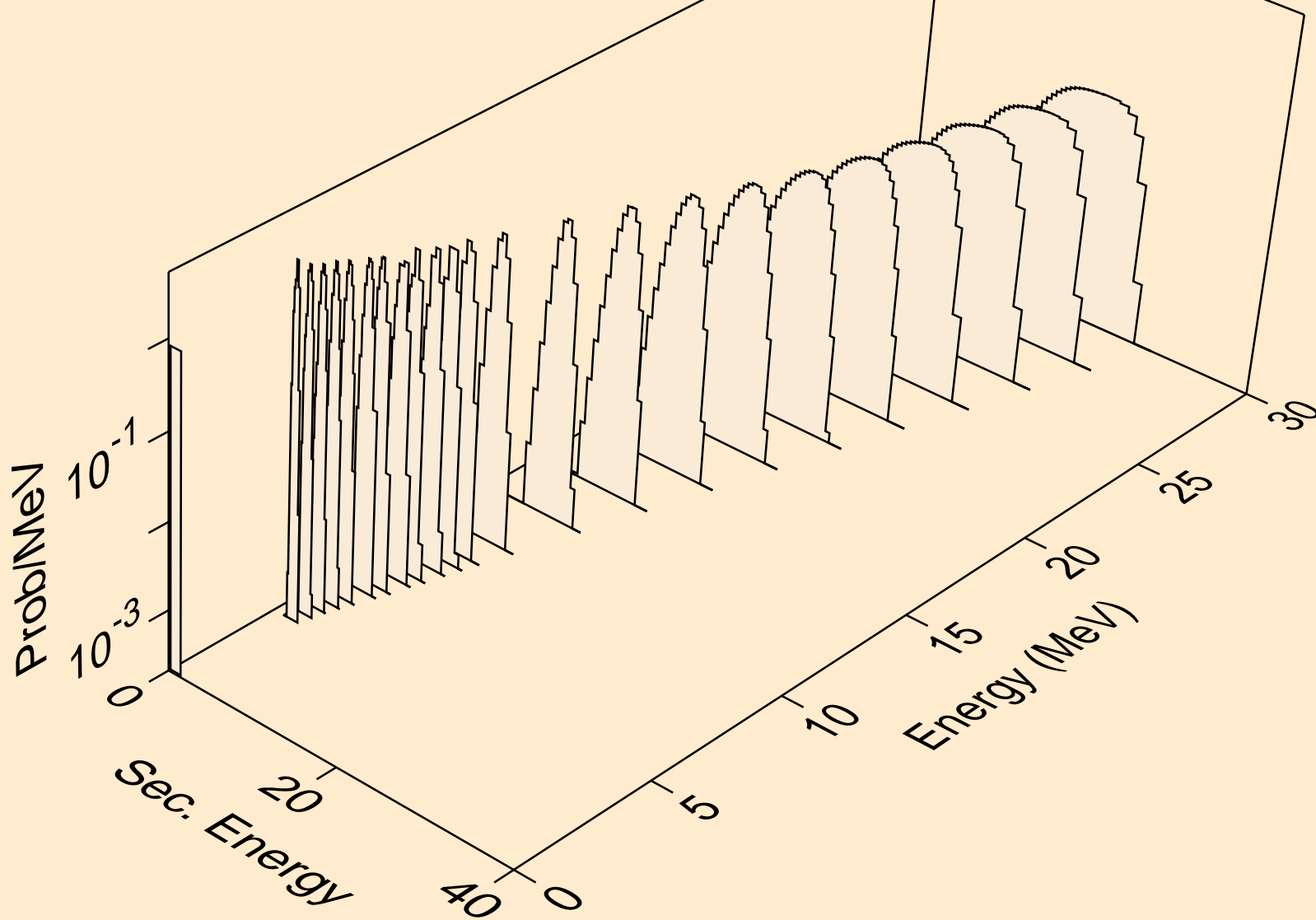
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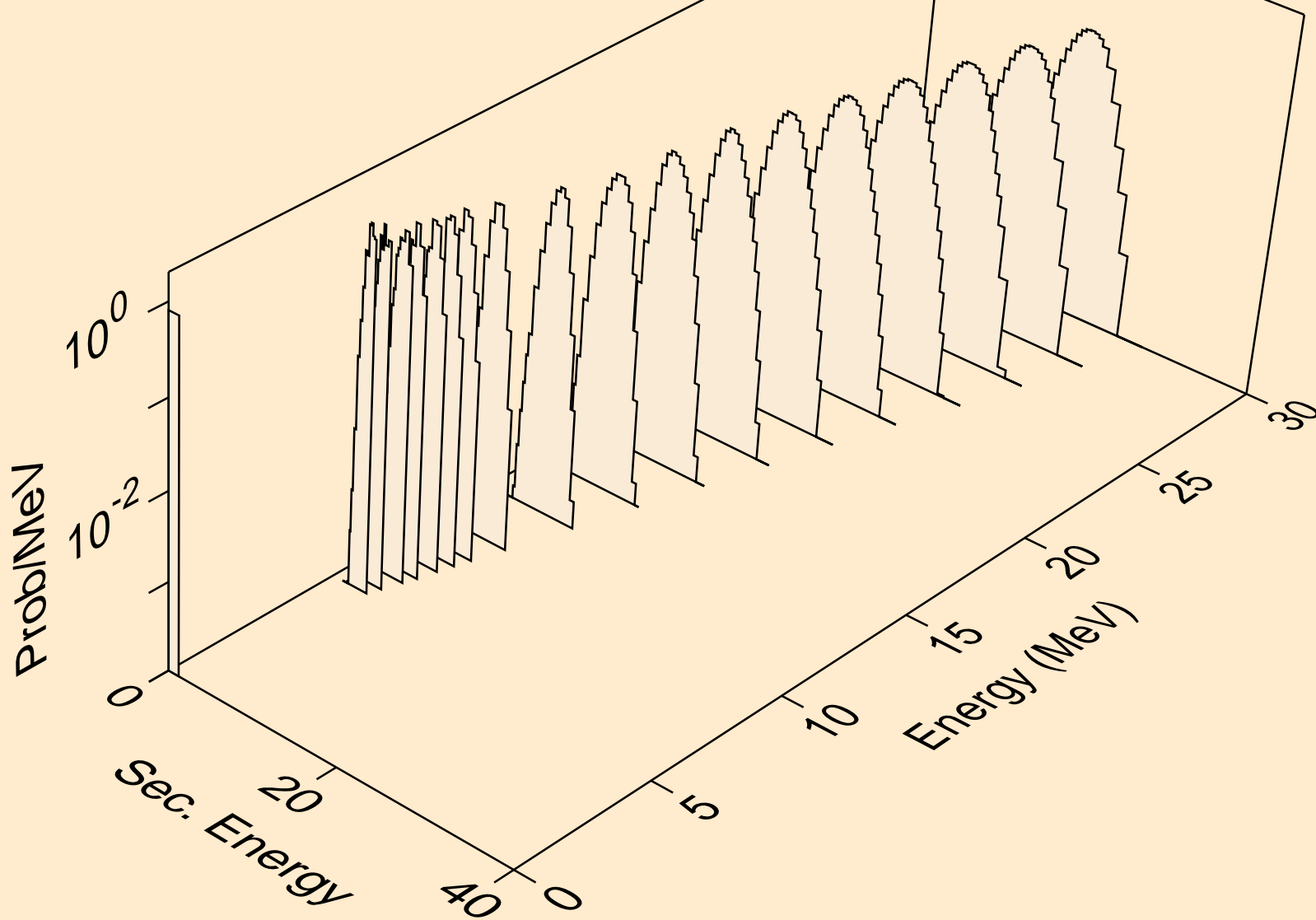
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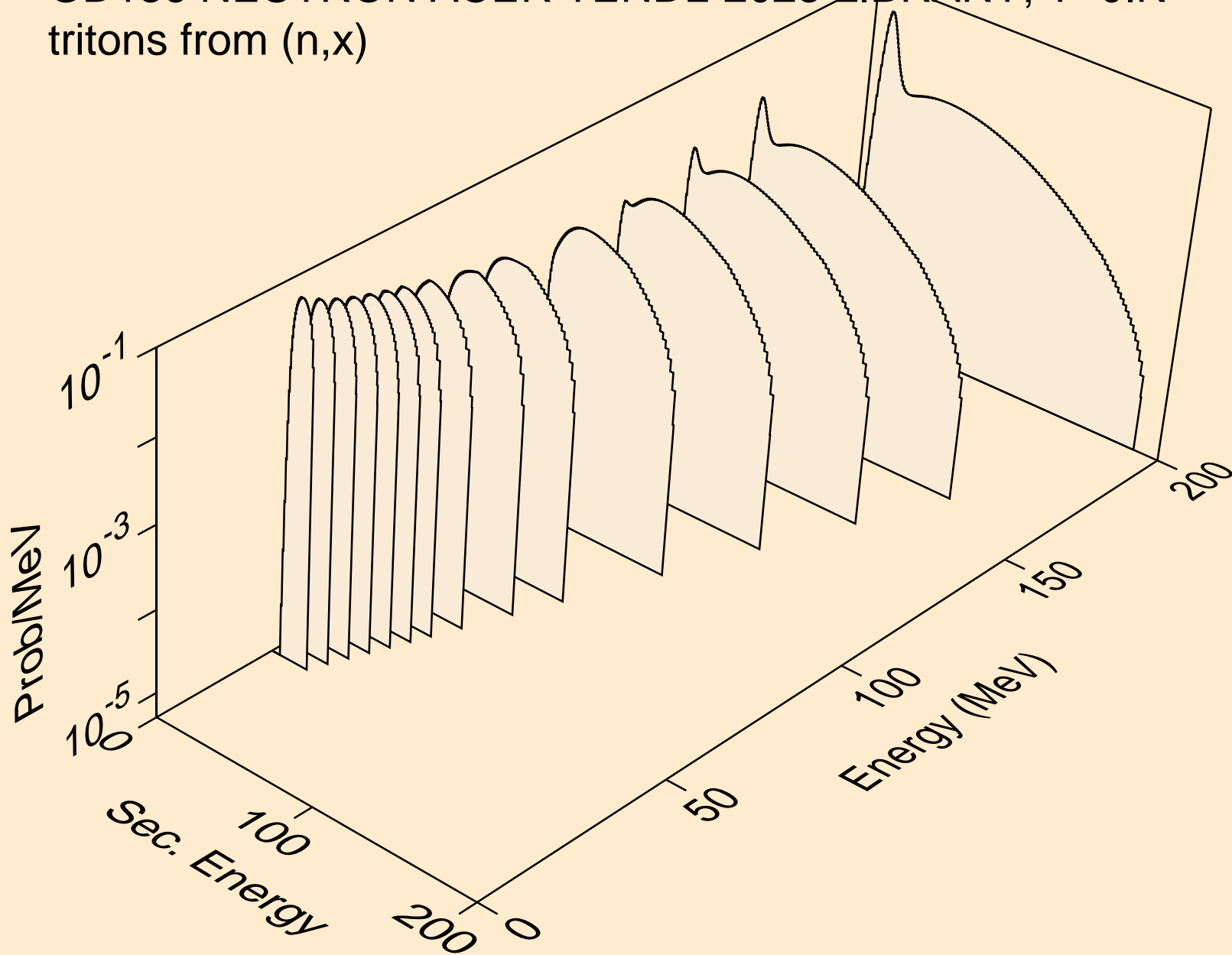
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deuterons from (n,pd)



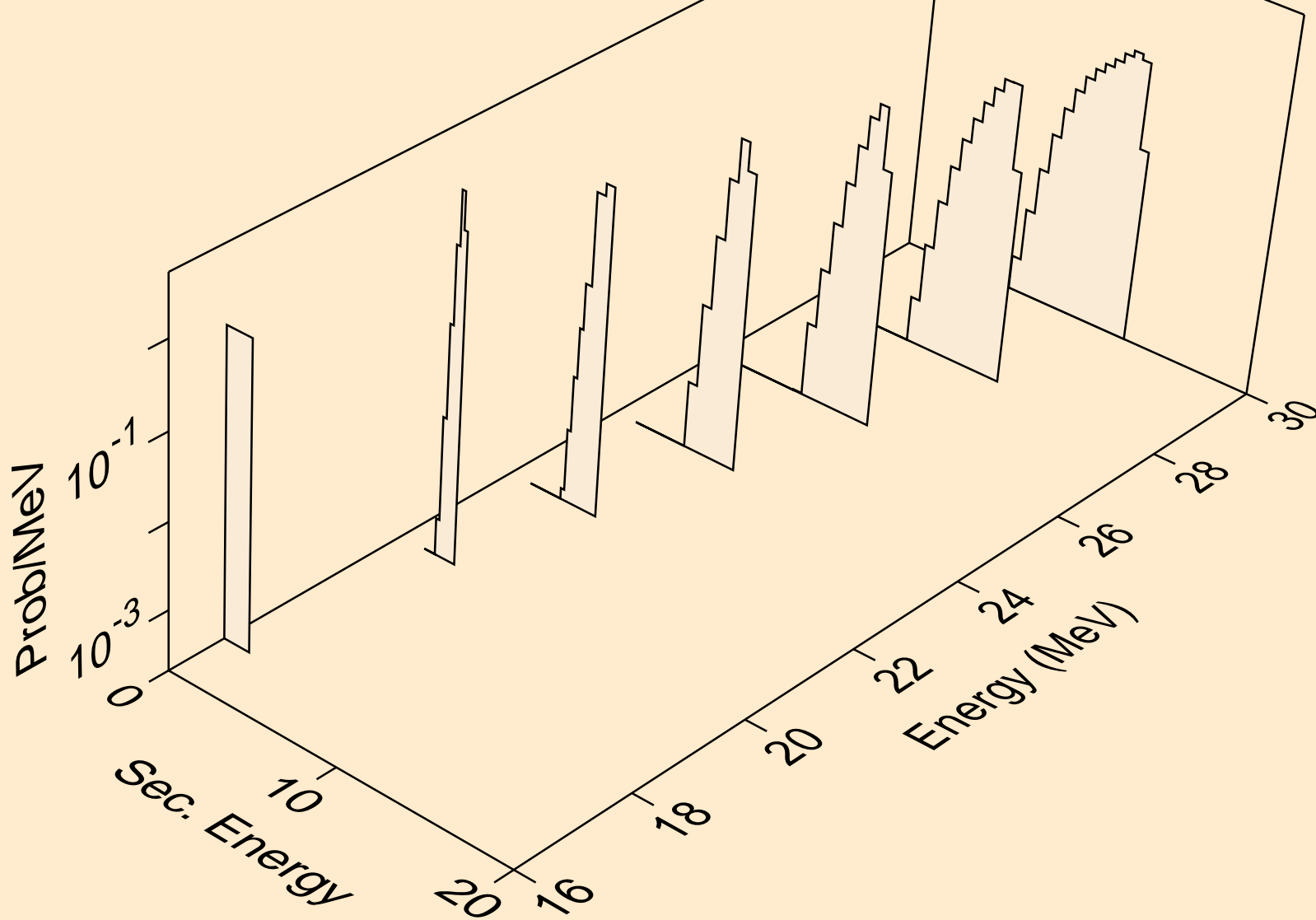
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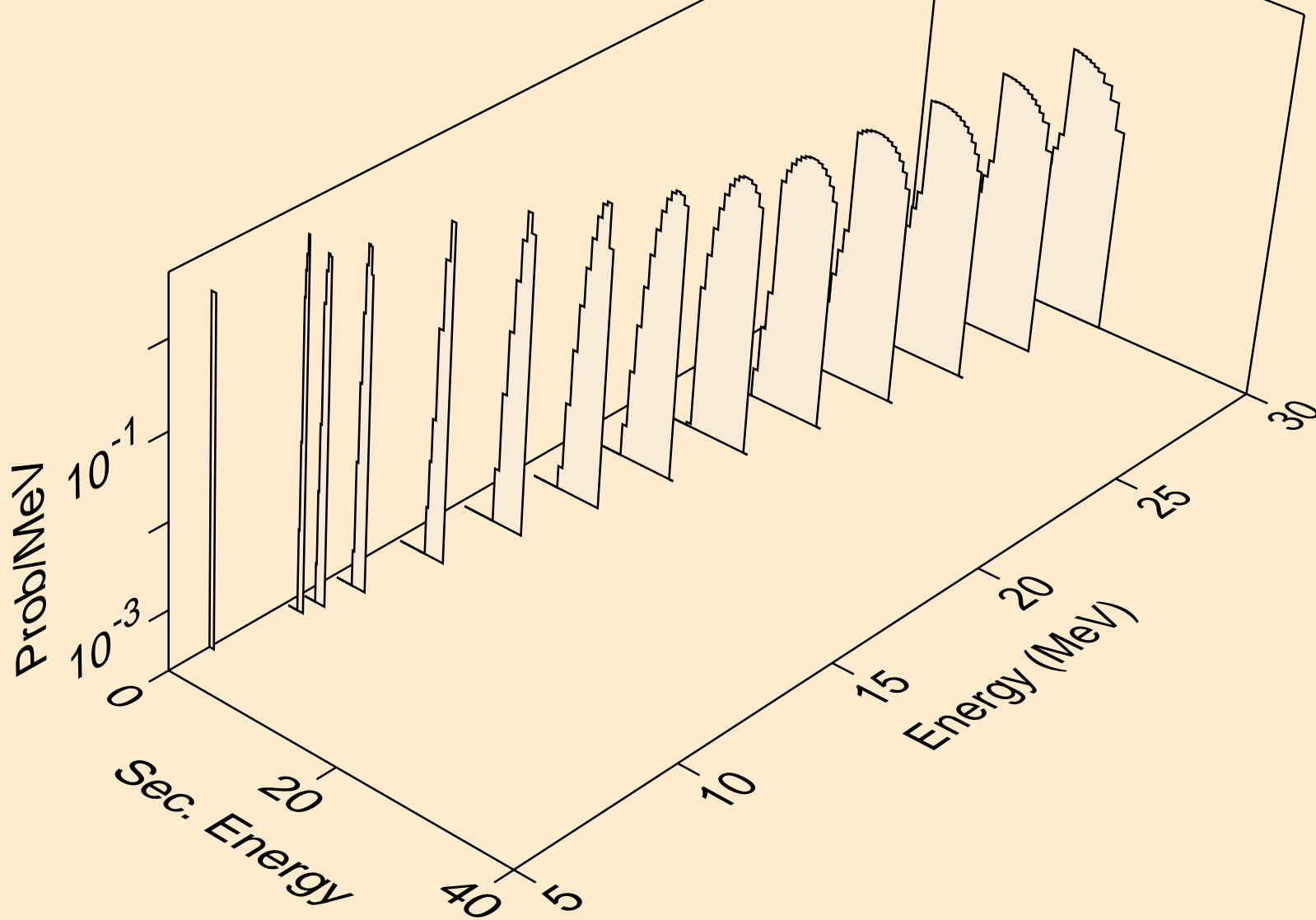
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tritons from (n,x)



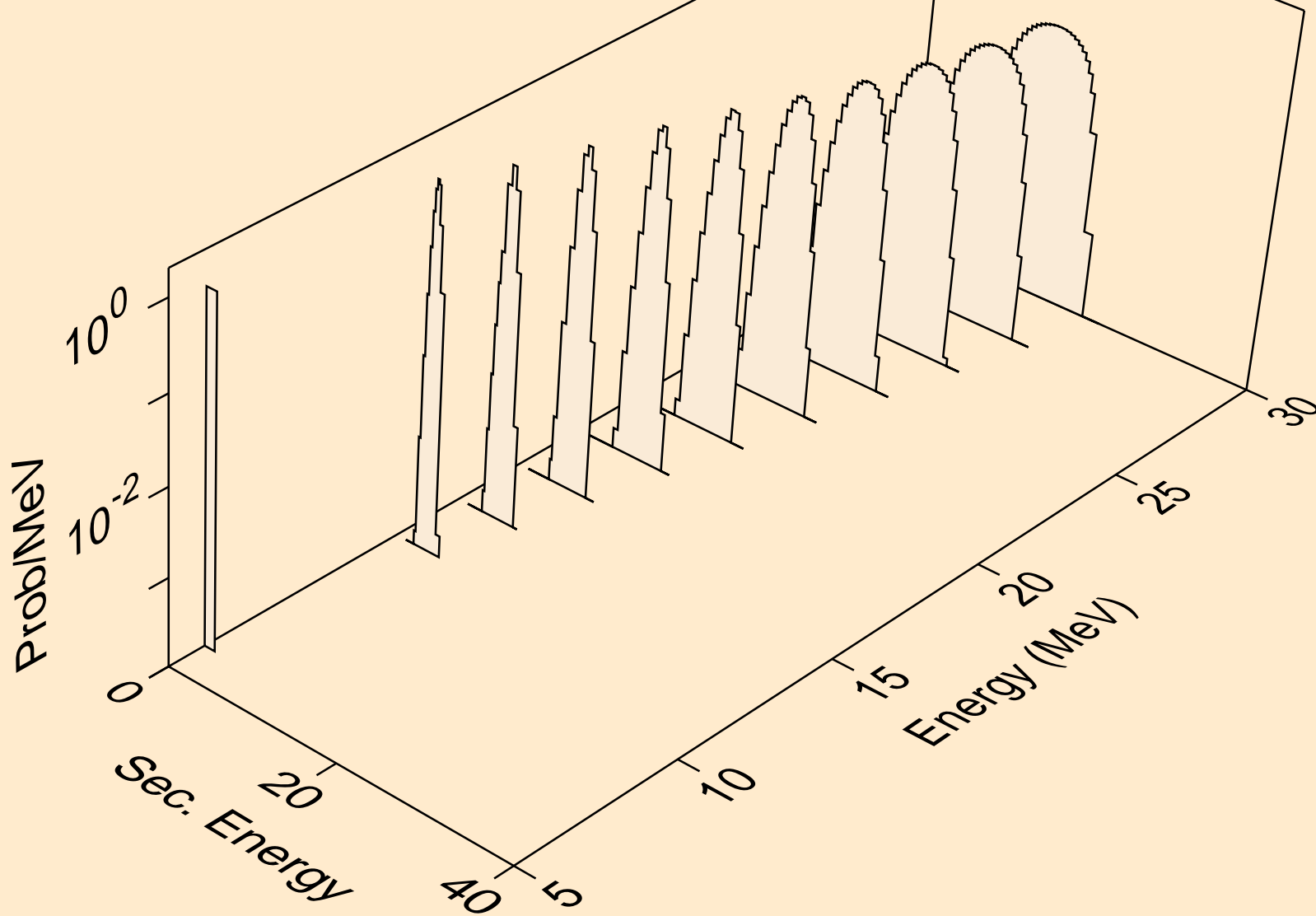
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



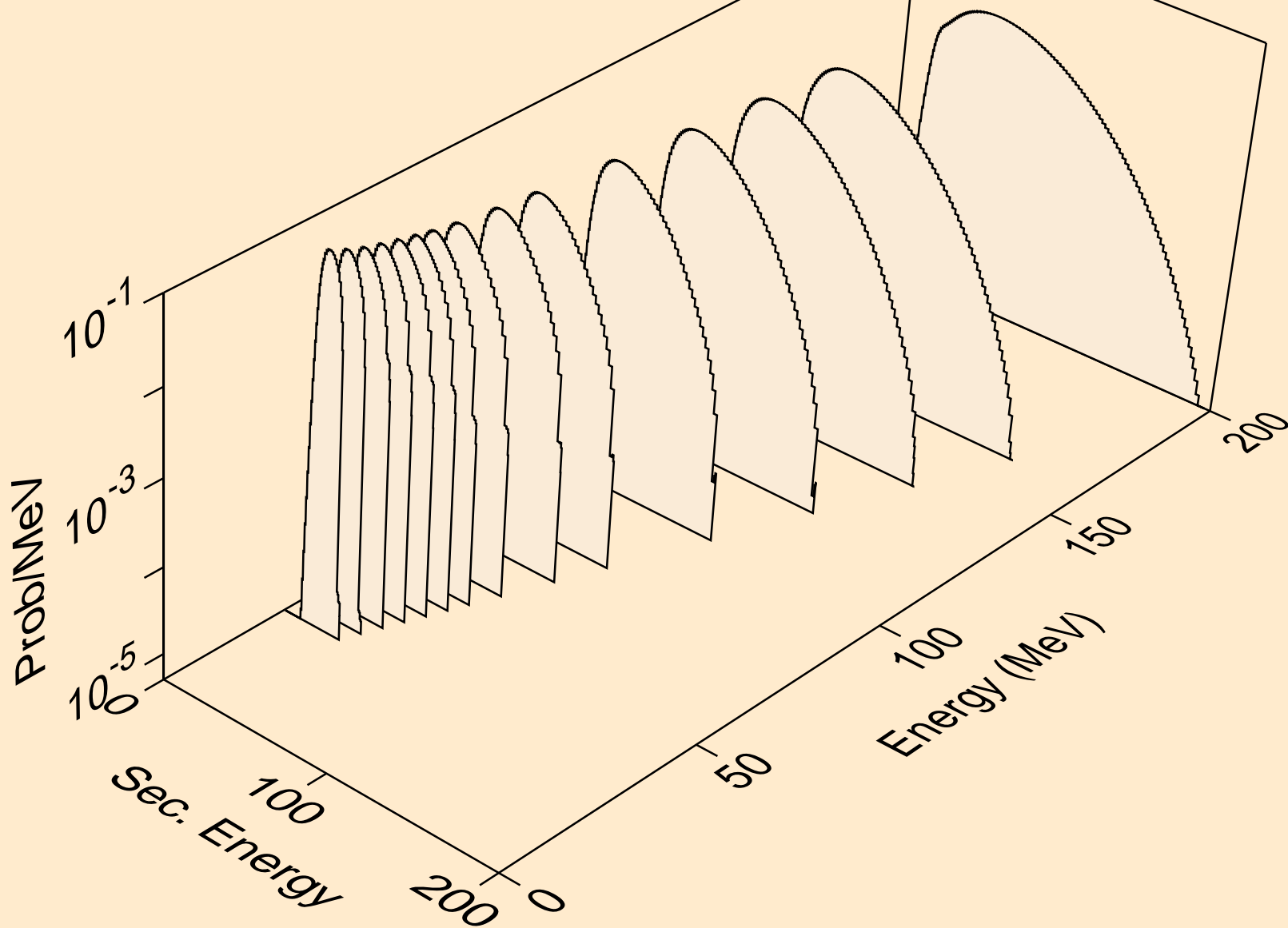
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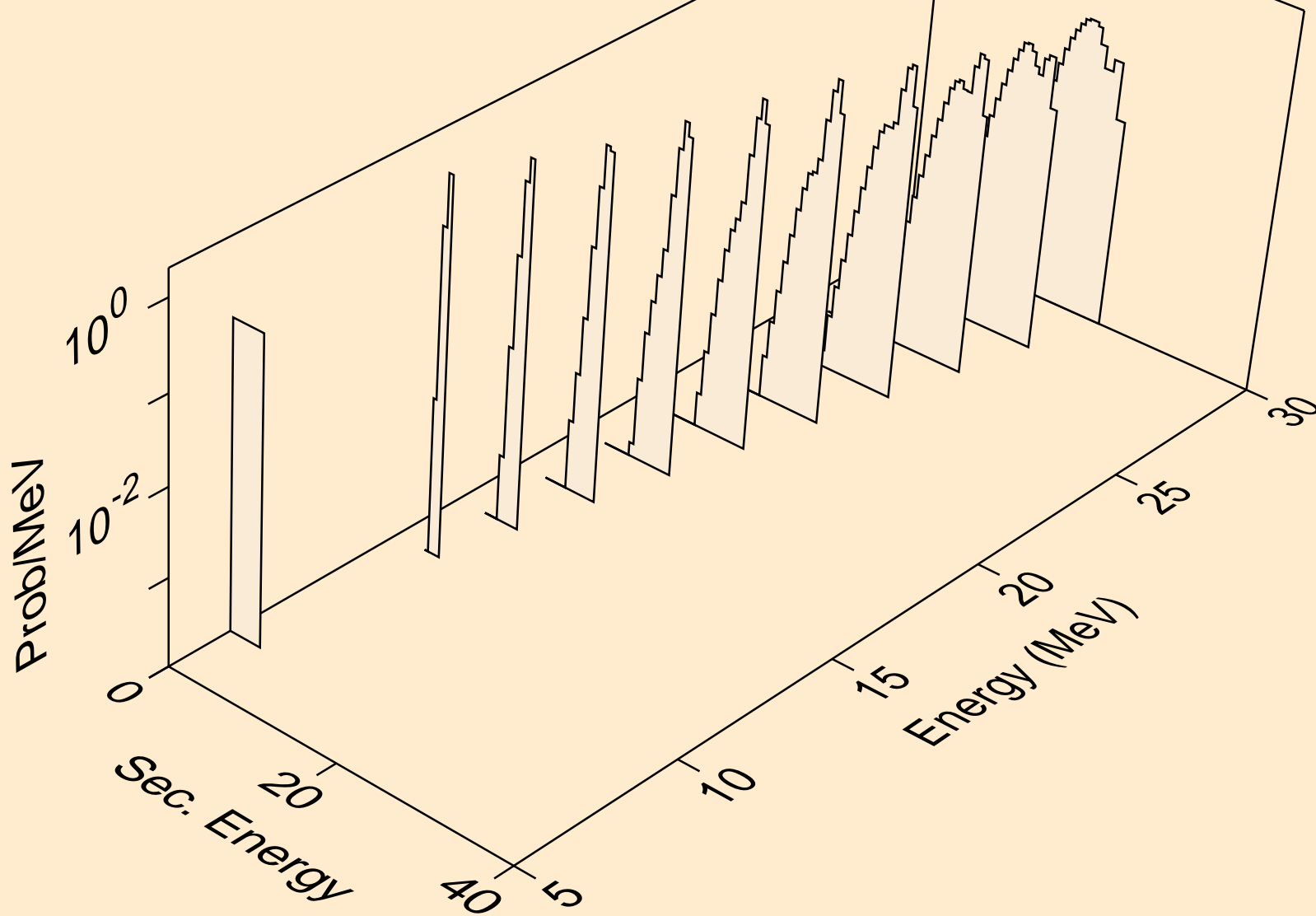
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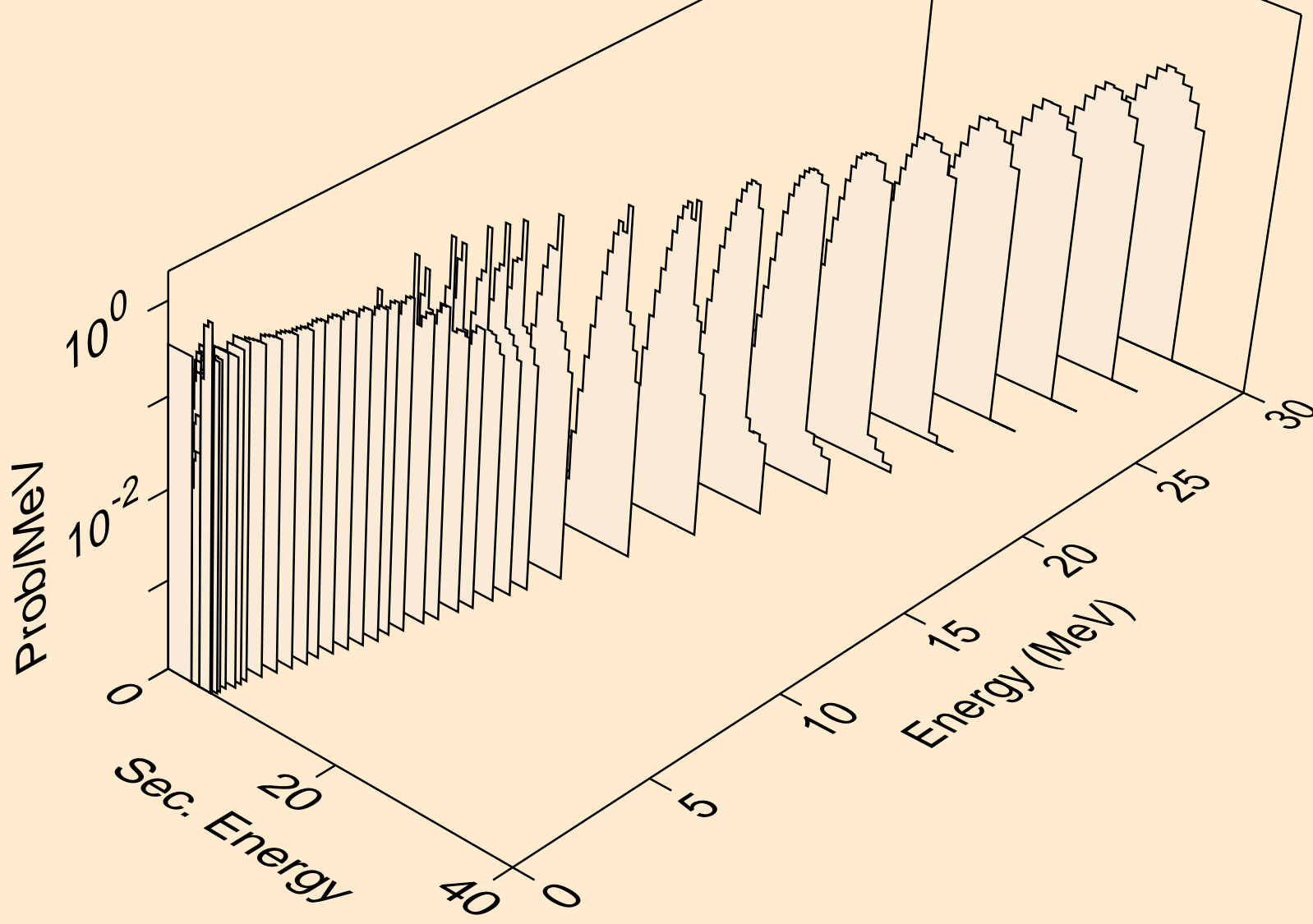
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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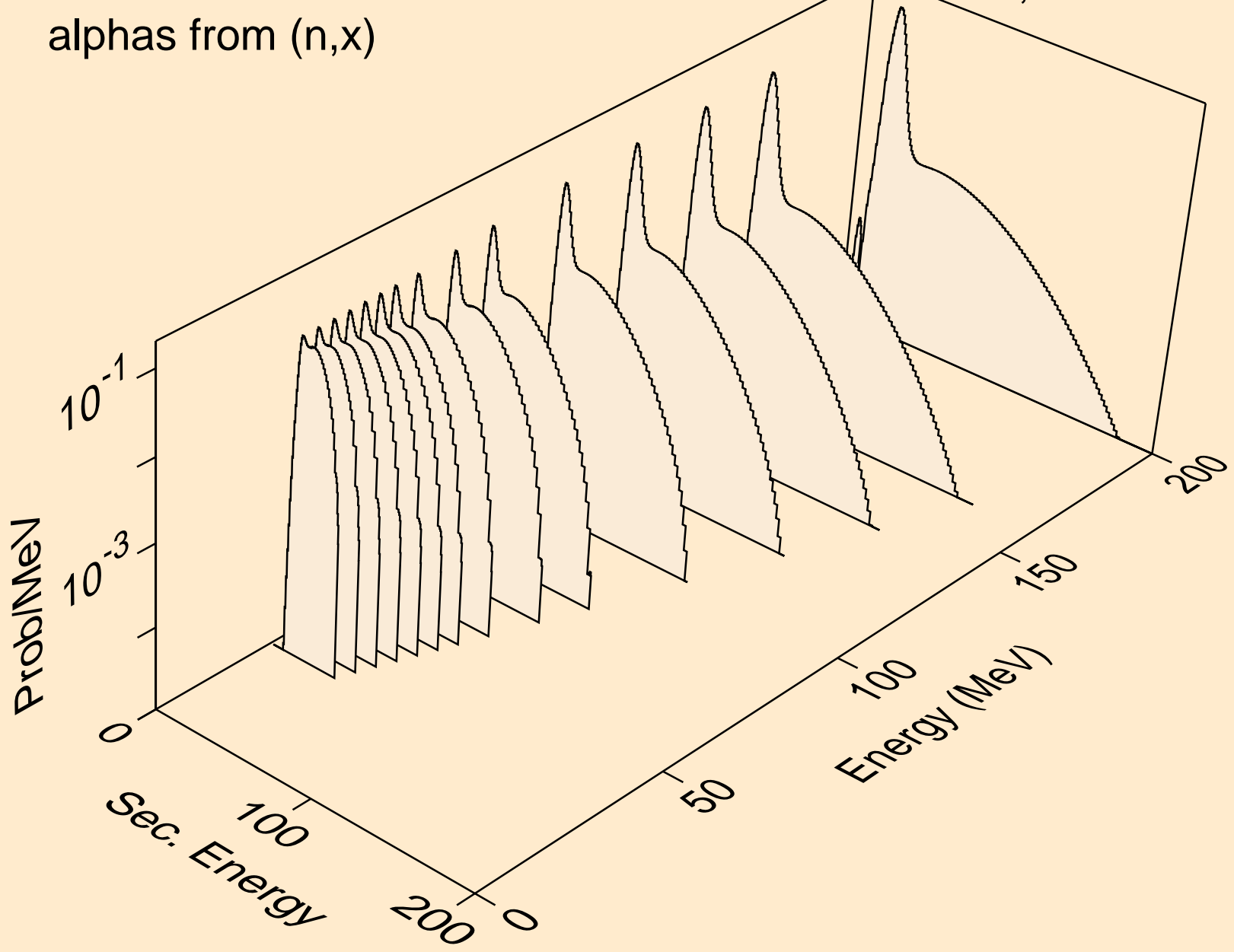
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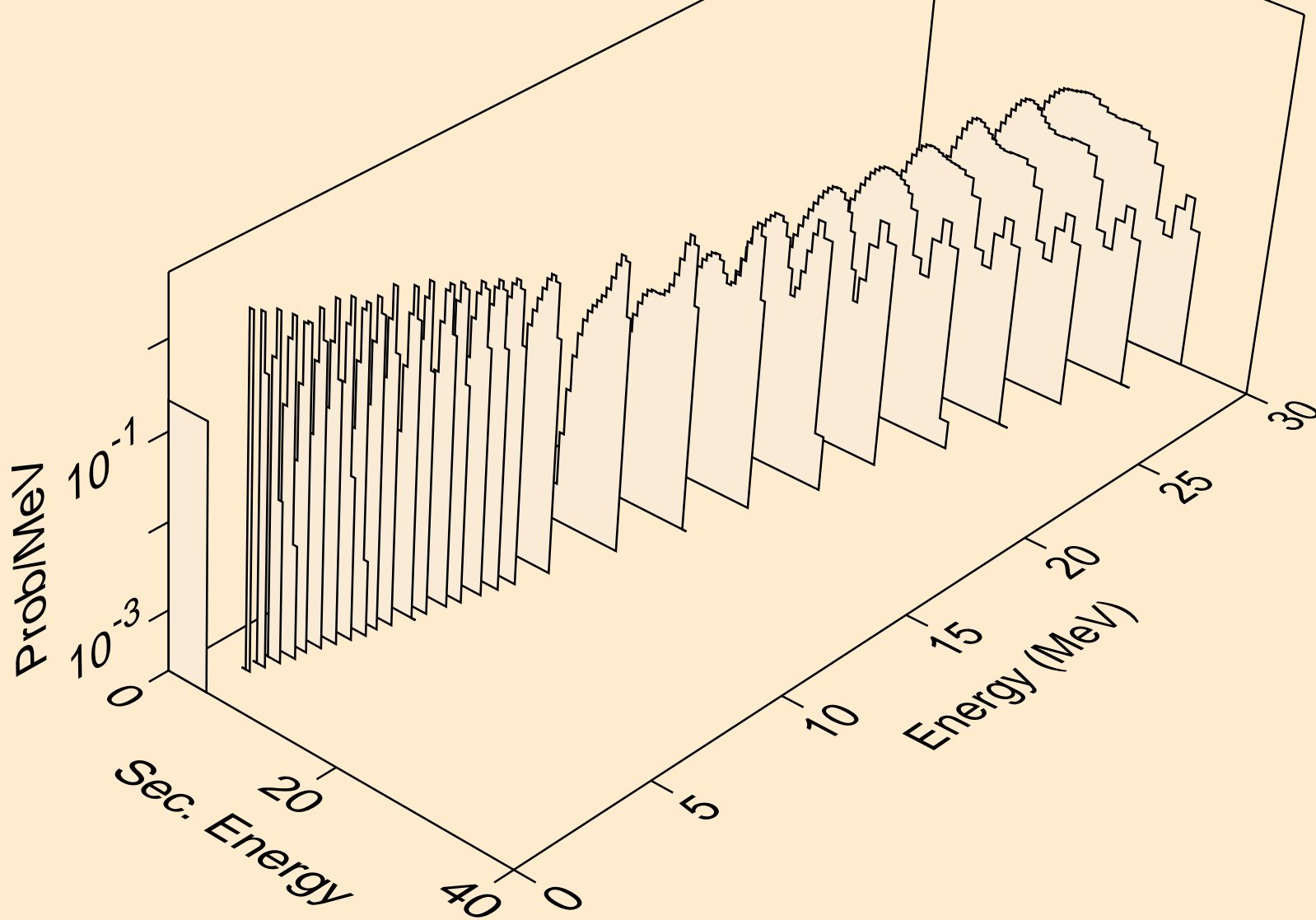
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he3s from (n,he3)



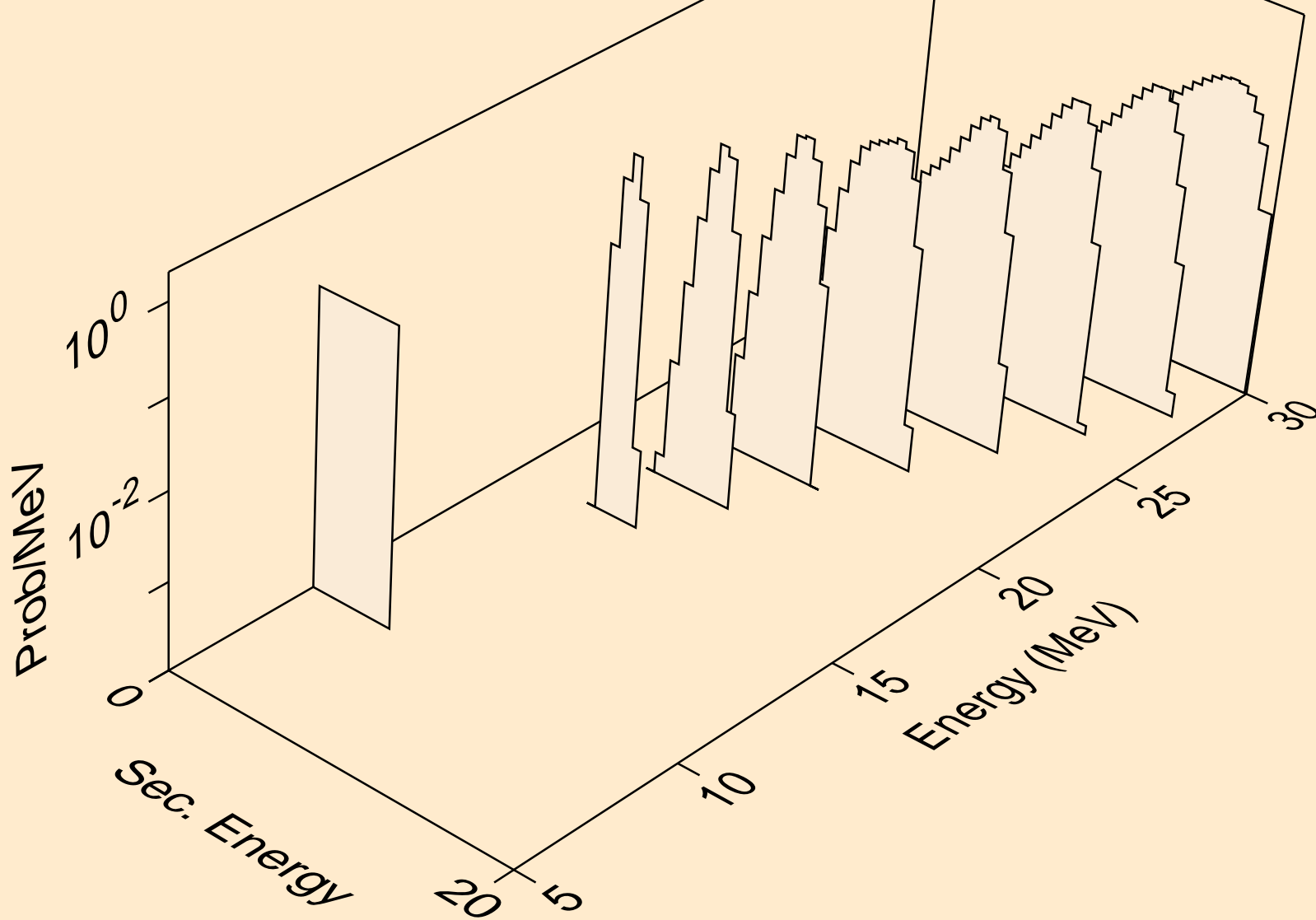
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



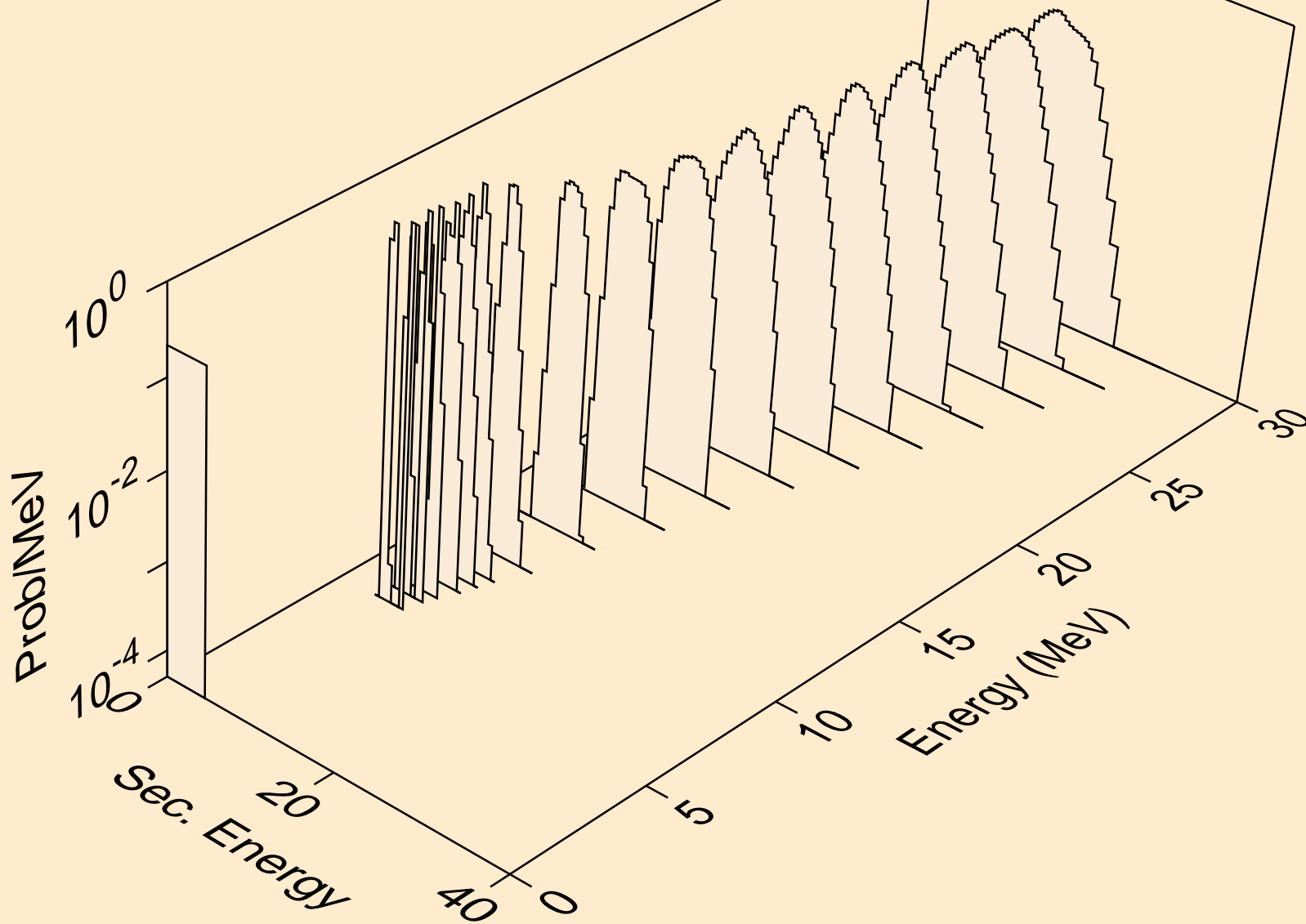
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



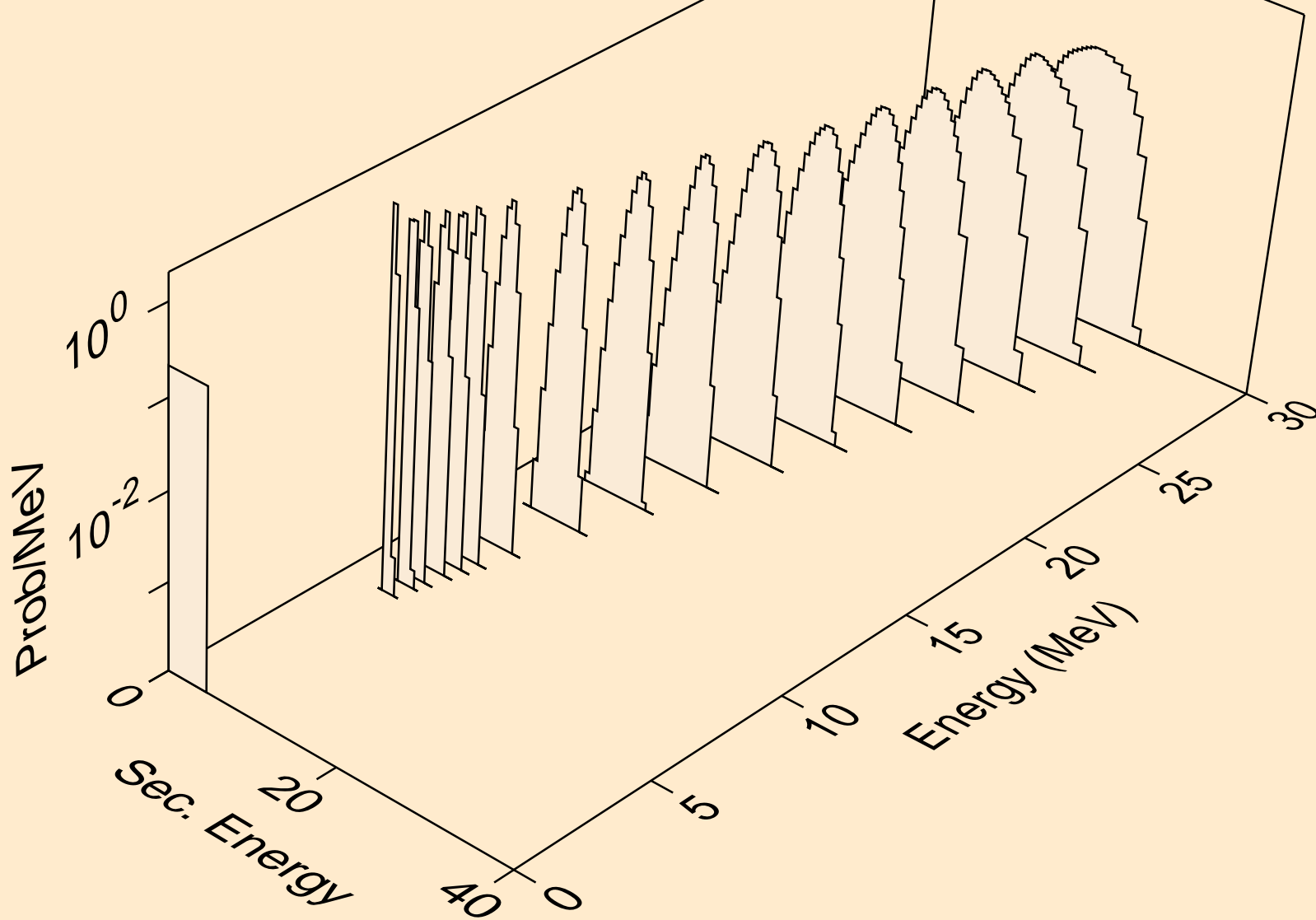
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alphas from (n,2n)a



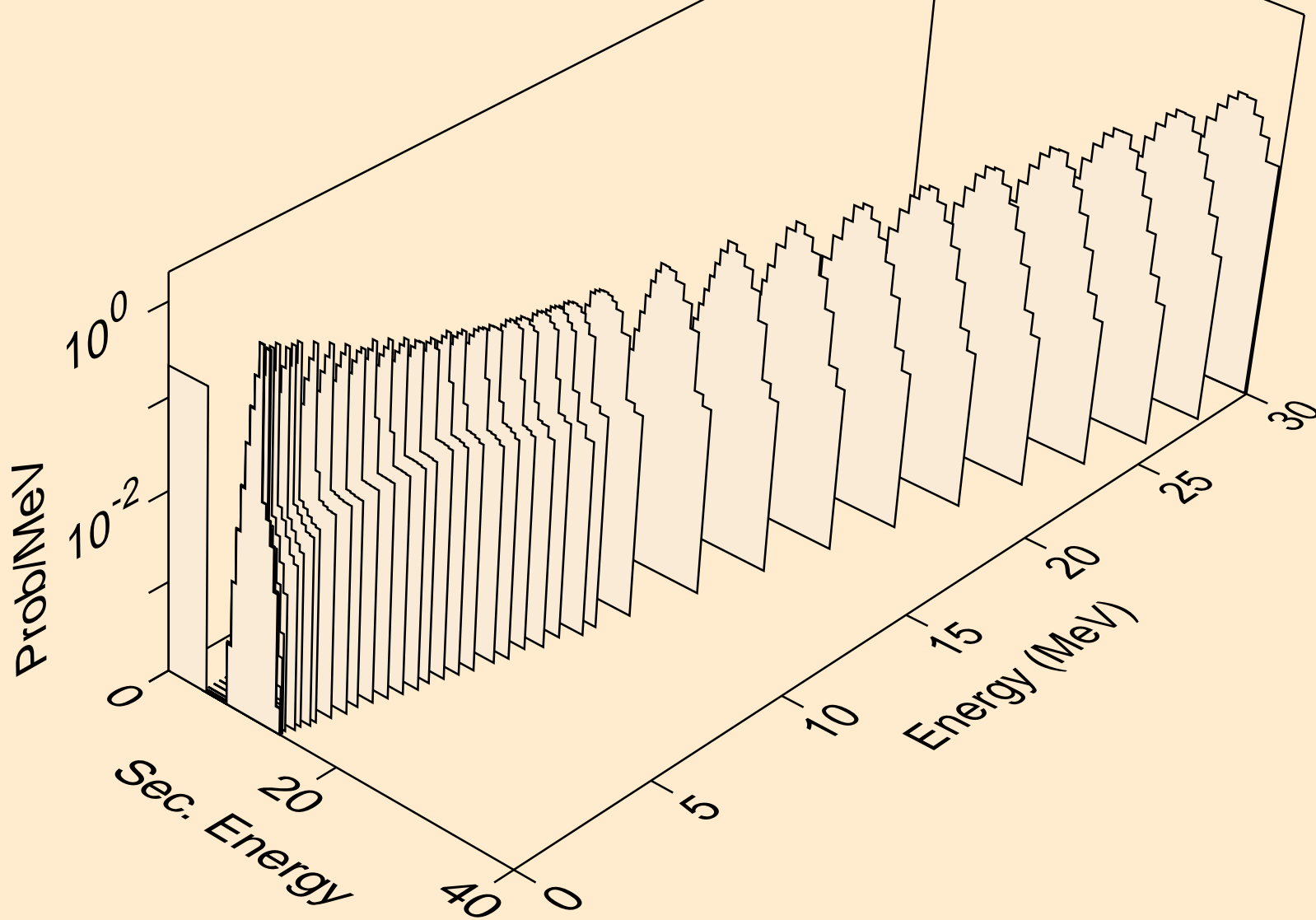
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alphas from (n,n\*)2a



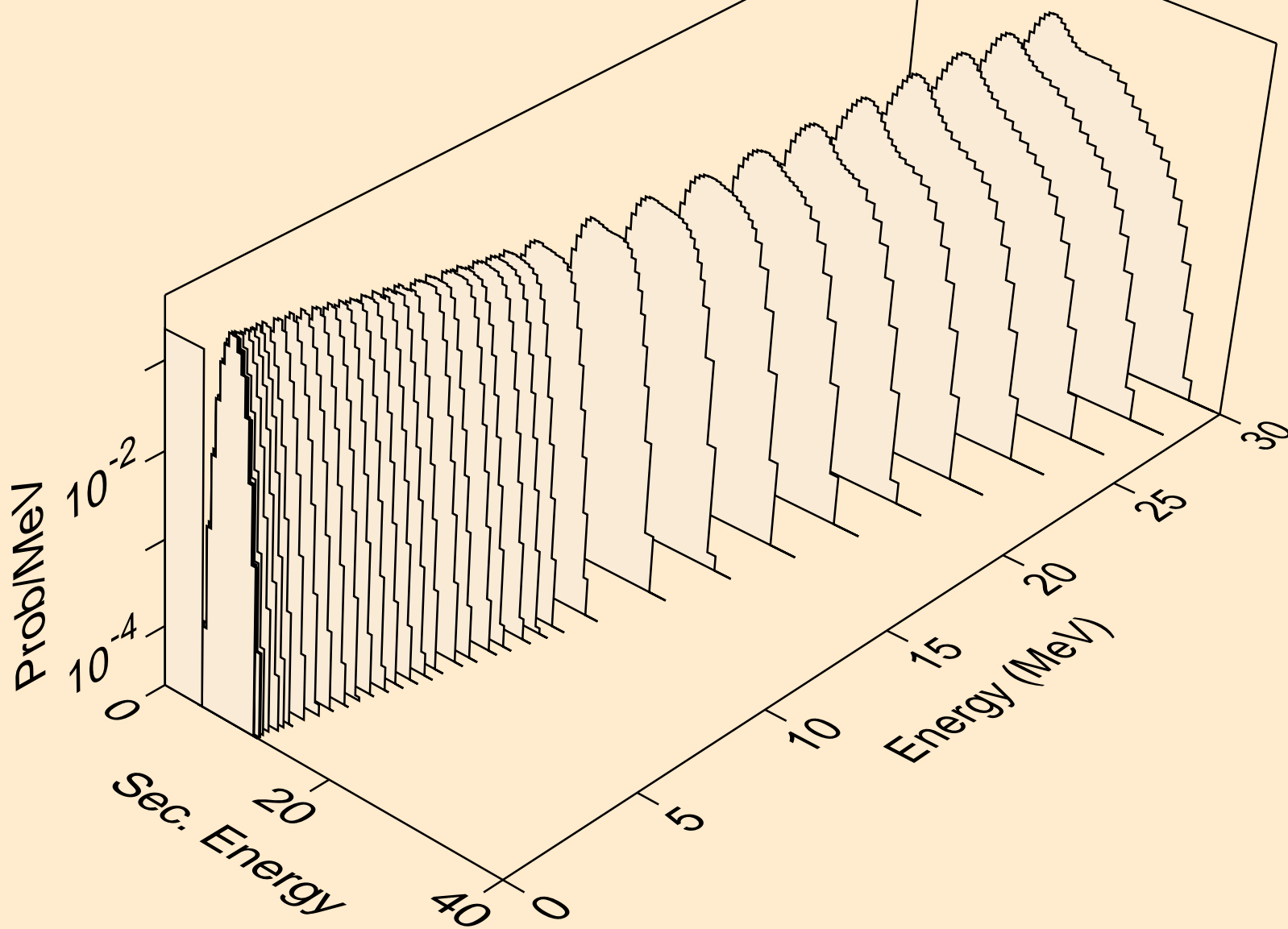
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alphas from (n,npa)



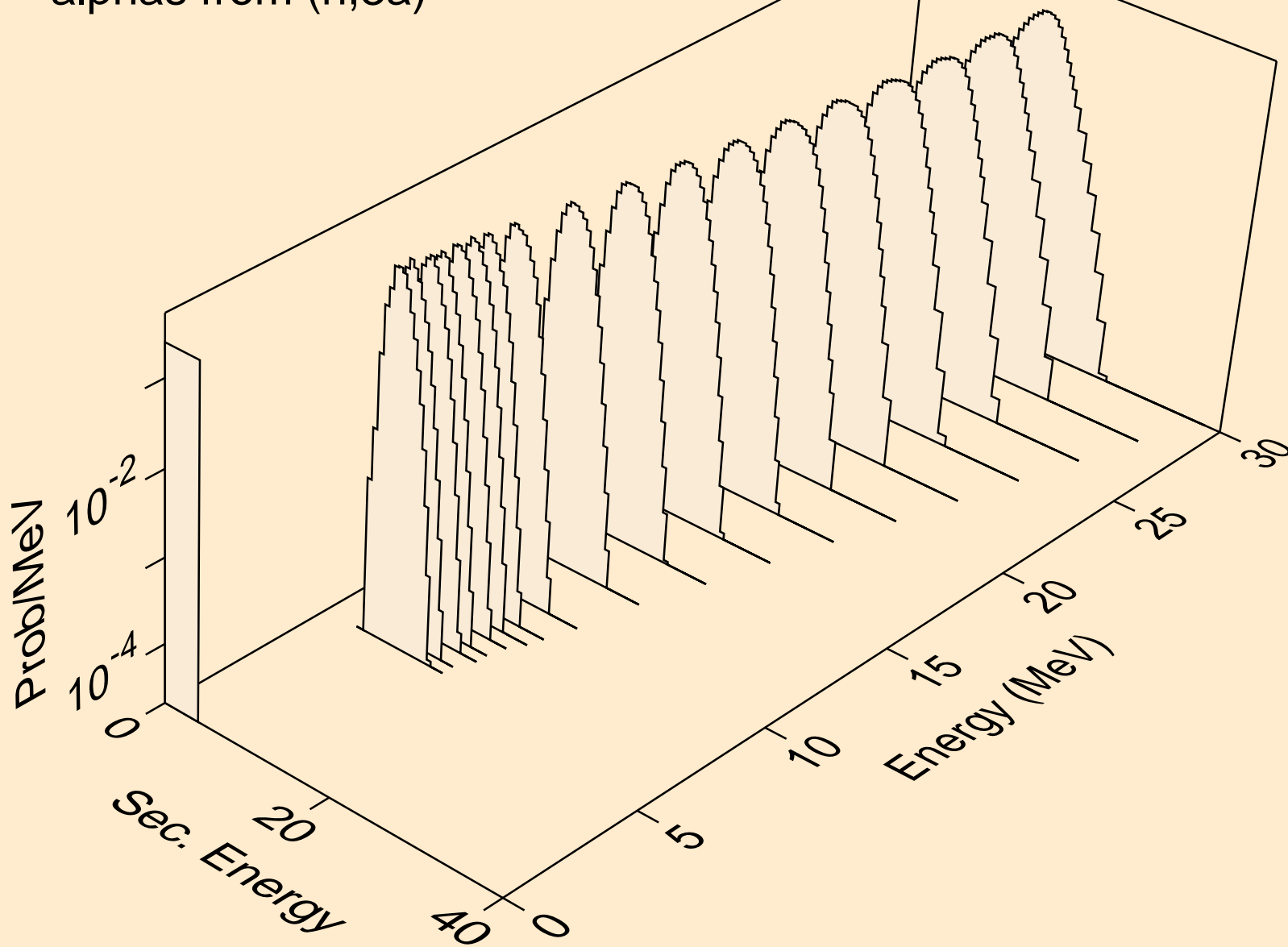
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alphas from (n,a)



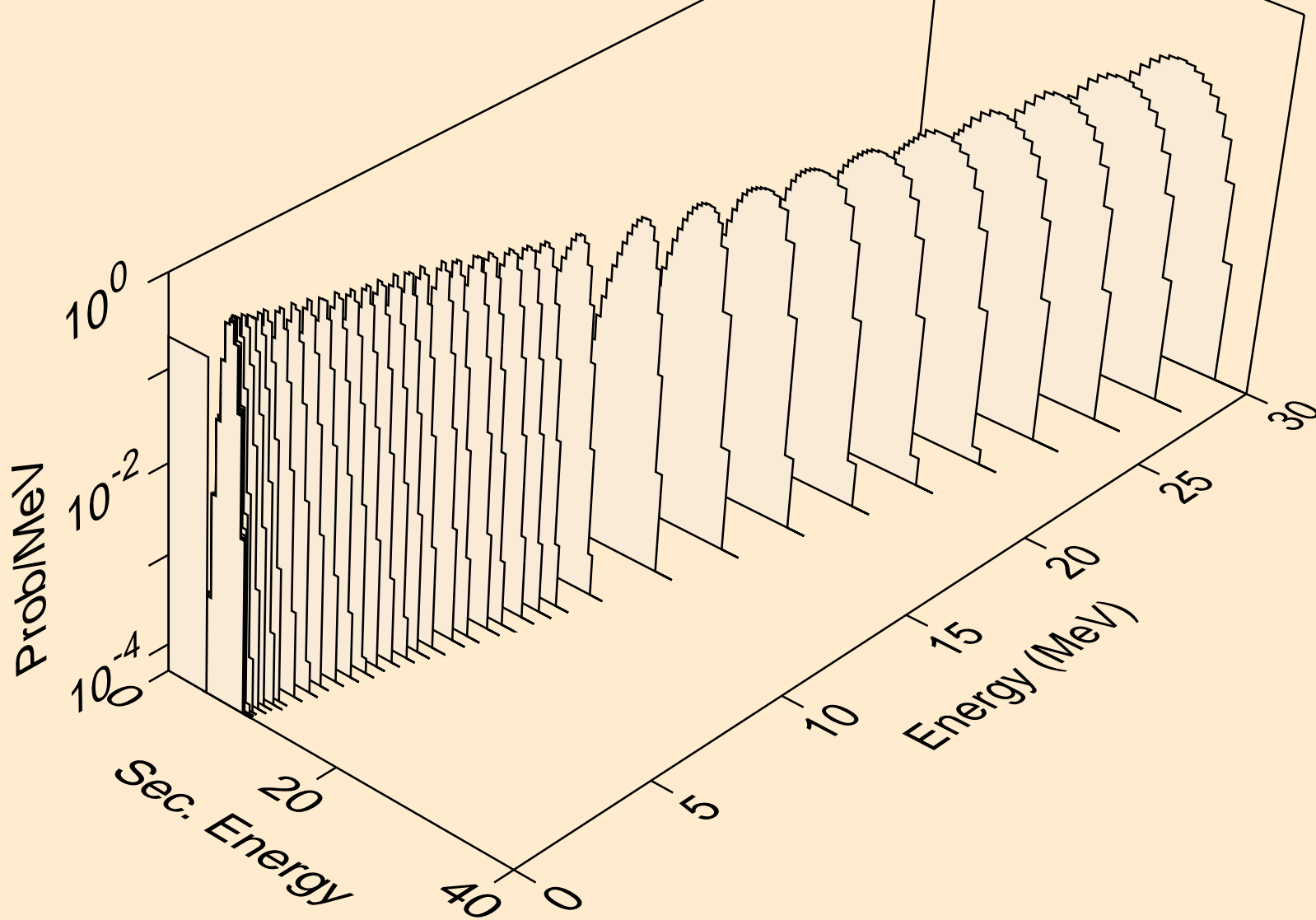
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alphas from (n,2a)



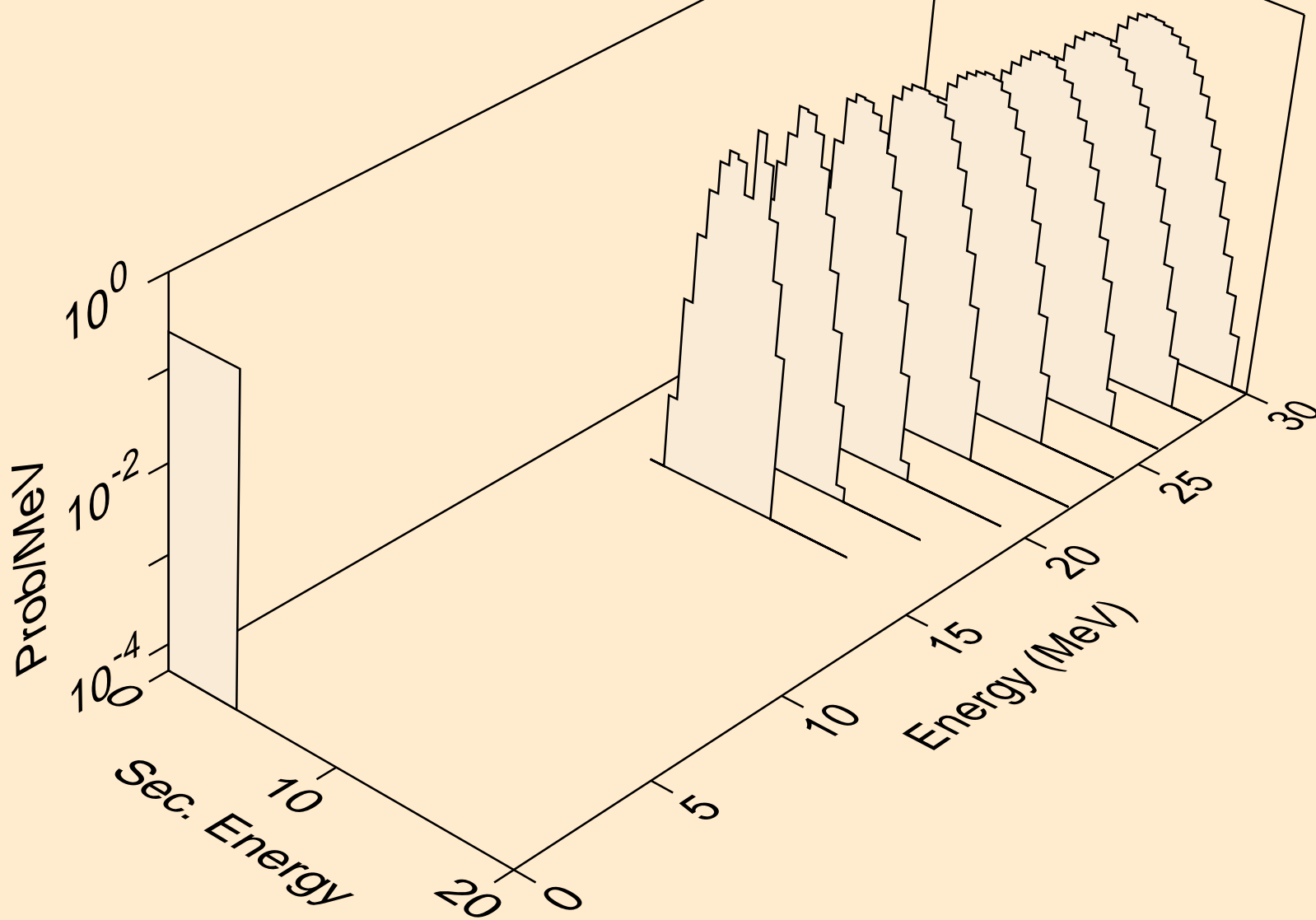
GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



GD136 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

