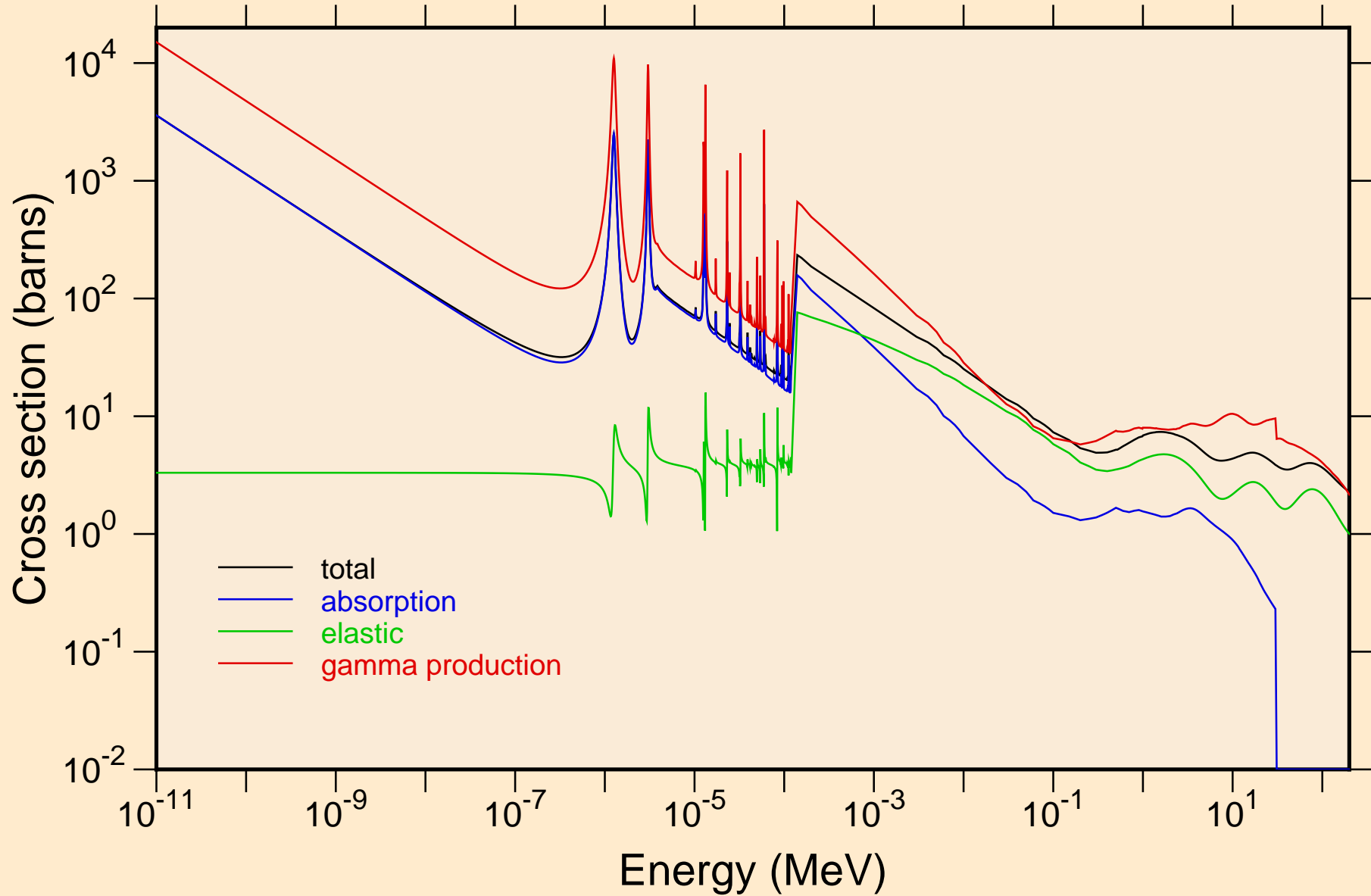
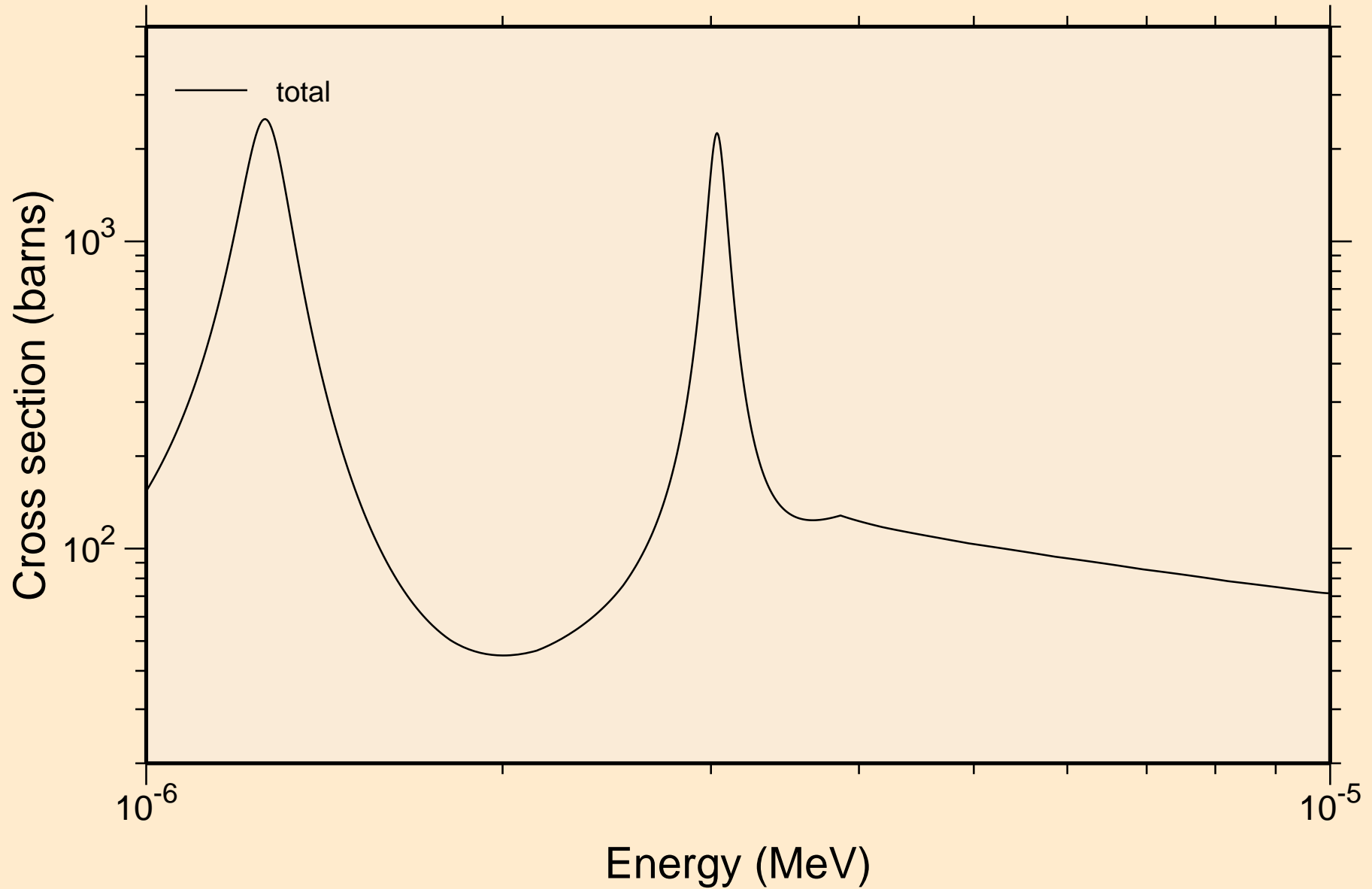


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

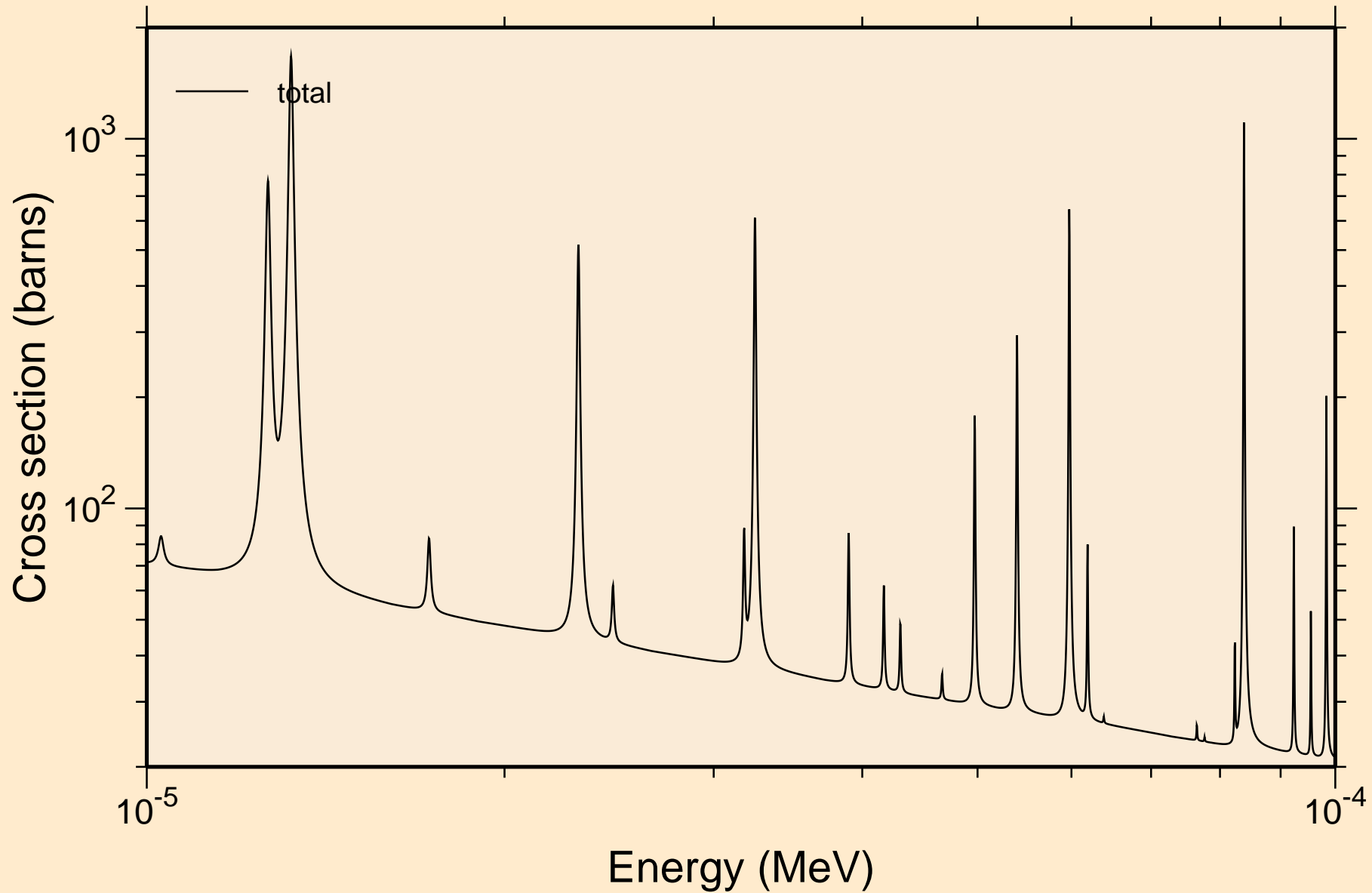
## Principal cross sections



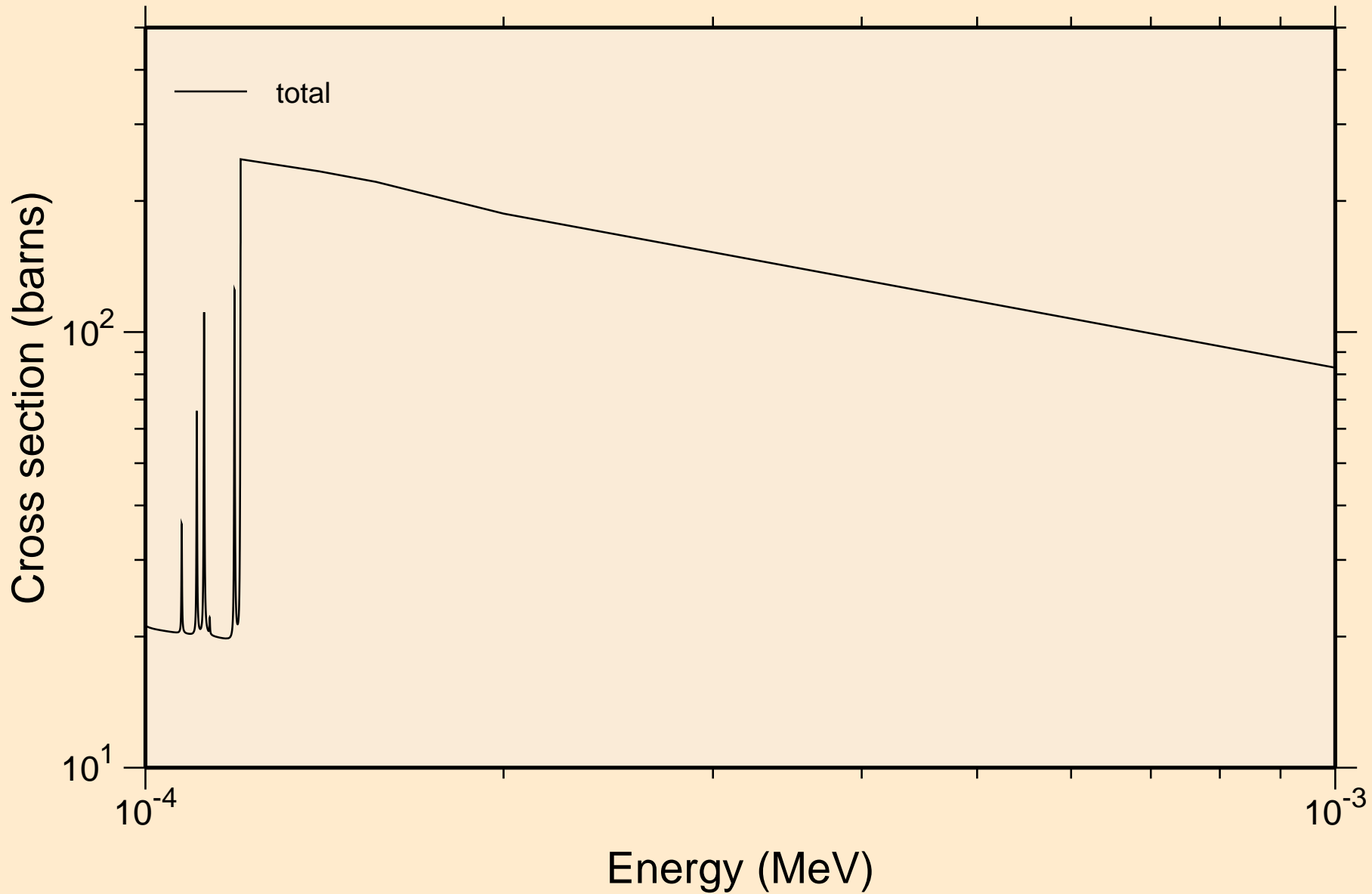
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



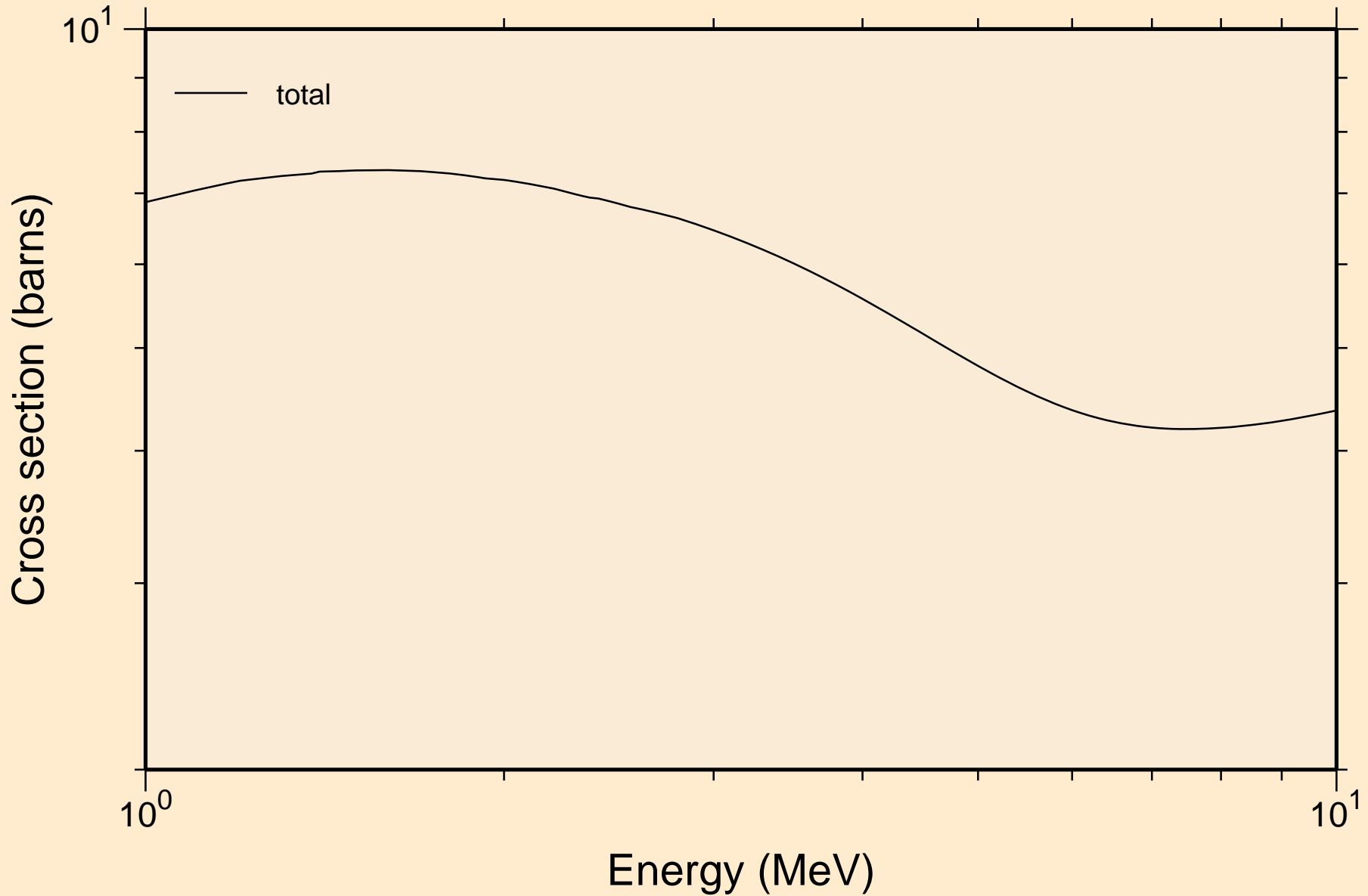
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



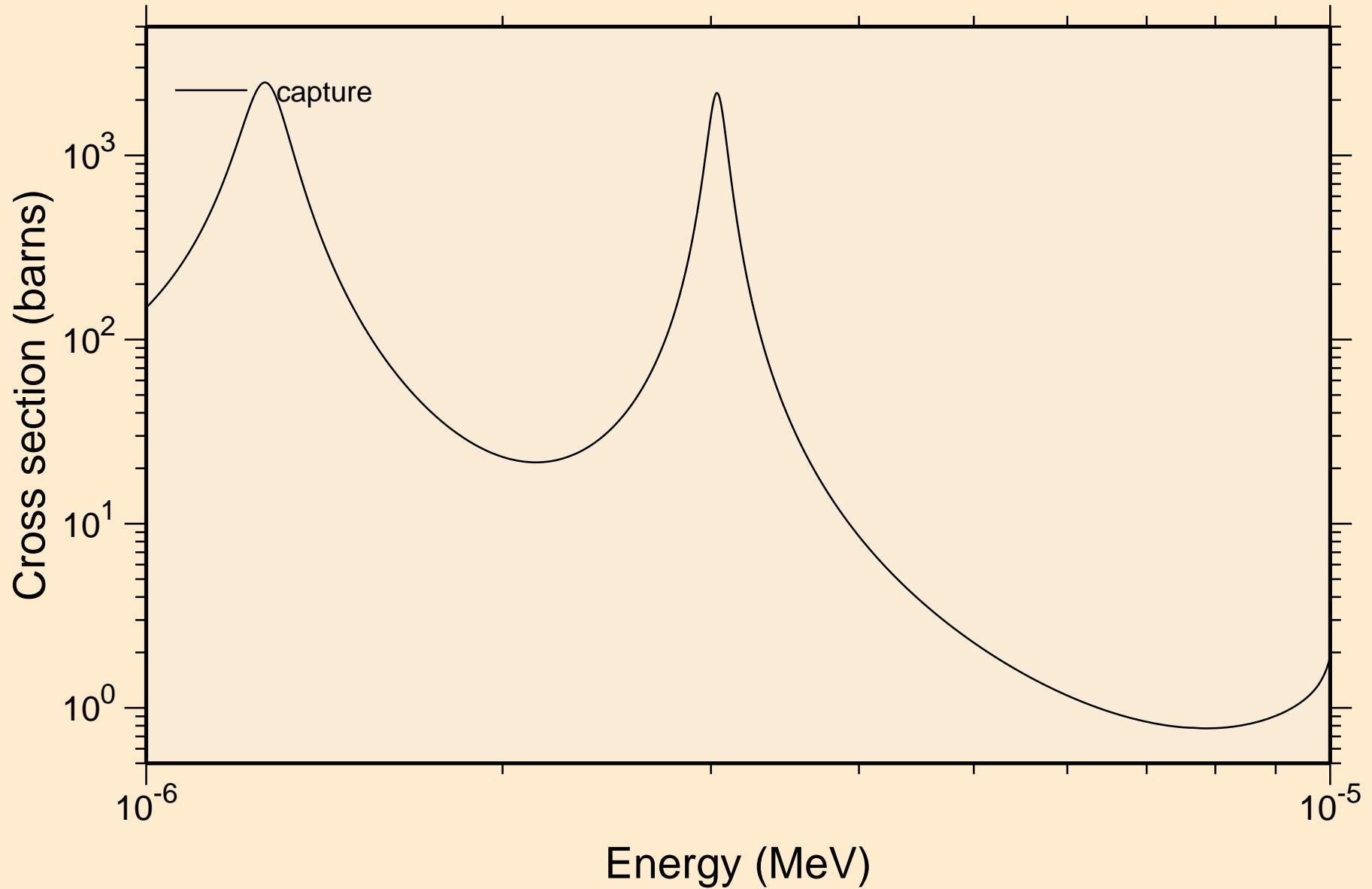
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



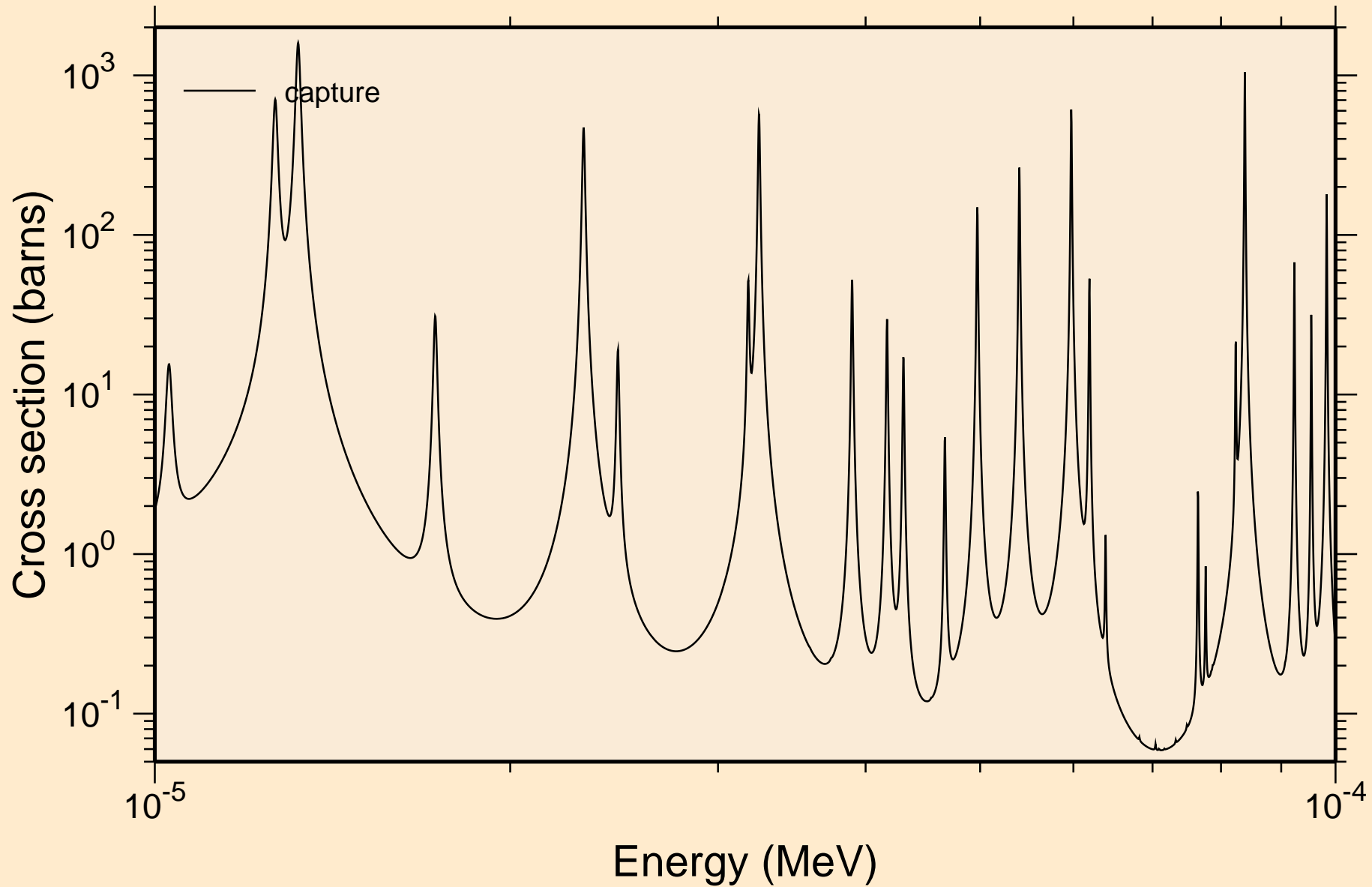
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



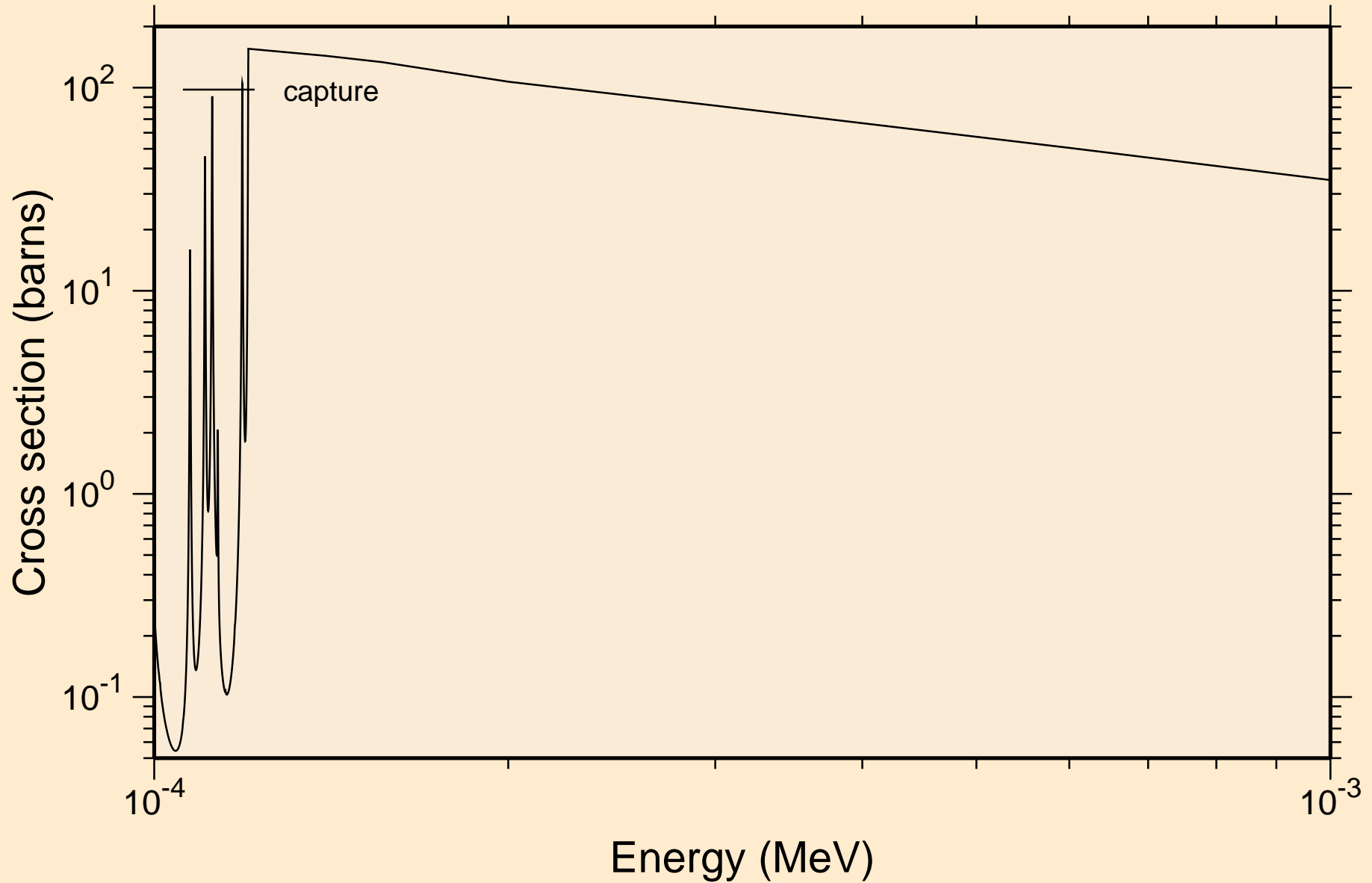
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

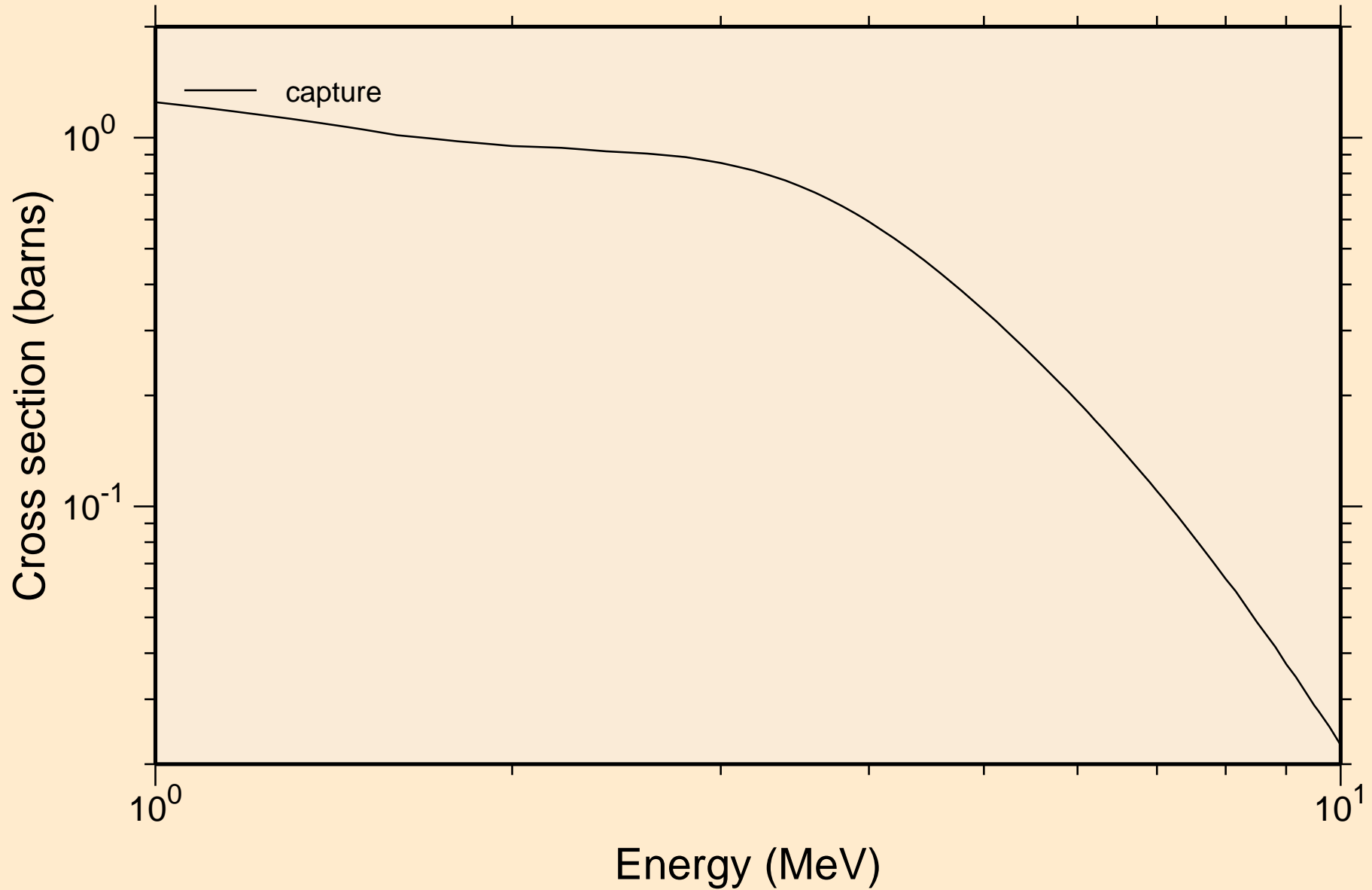


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



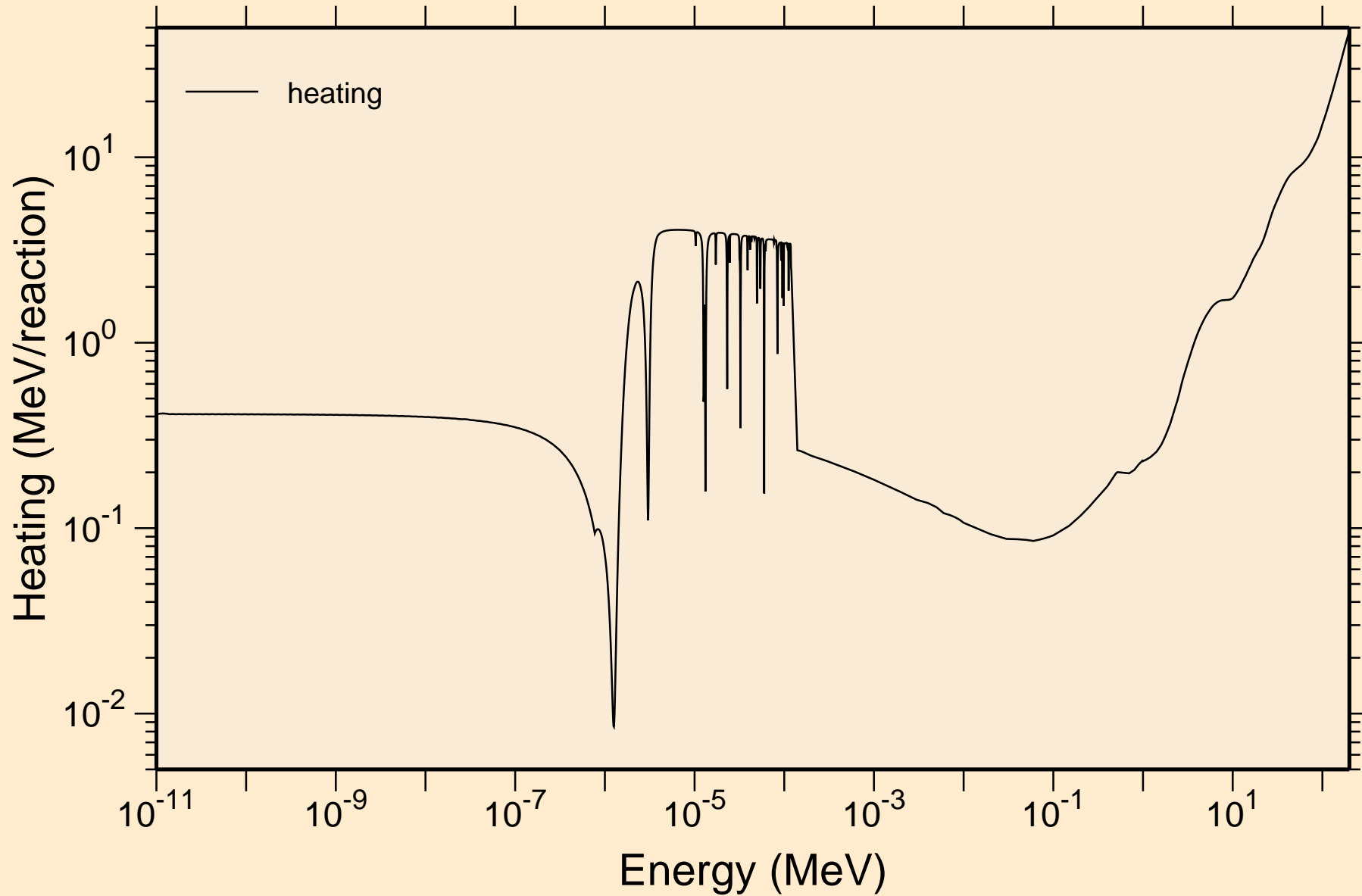


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

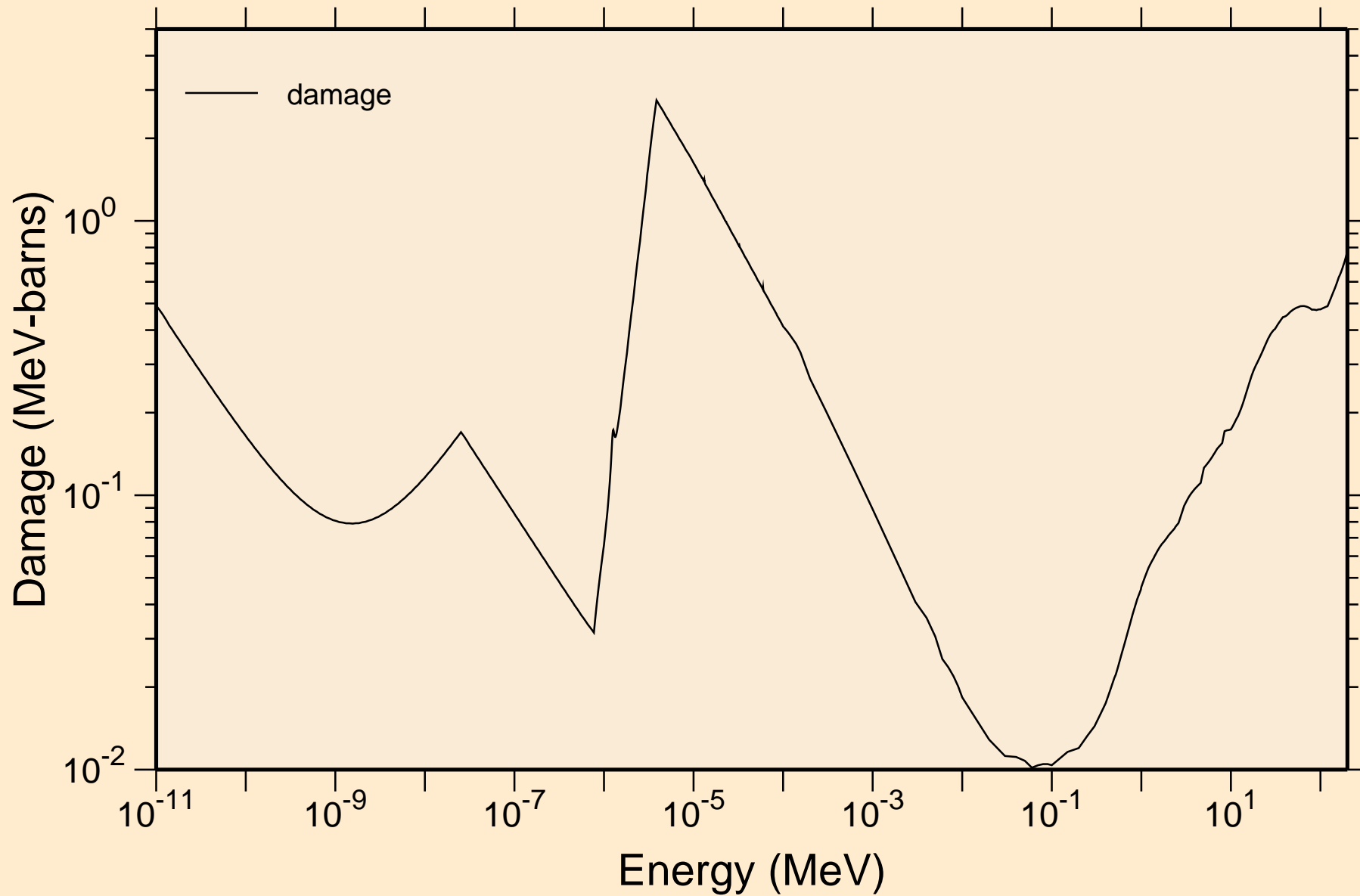


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

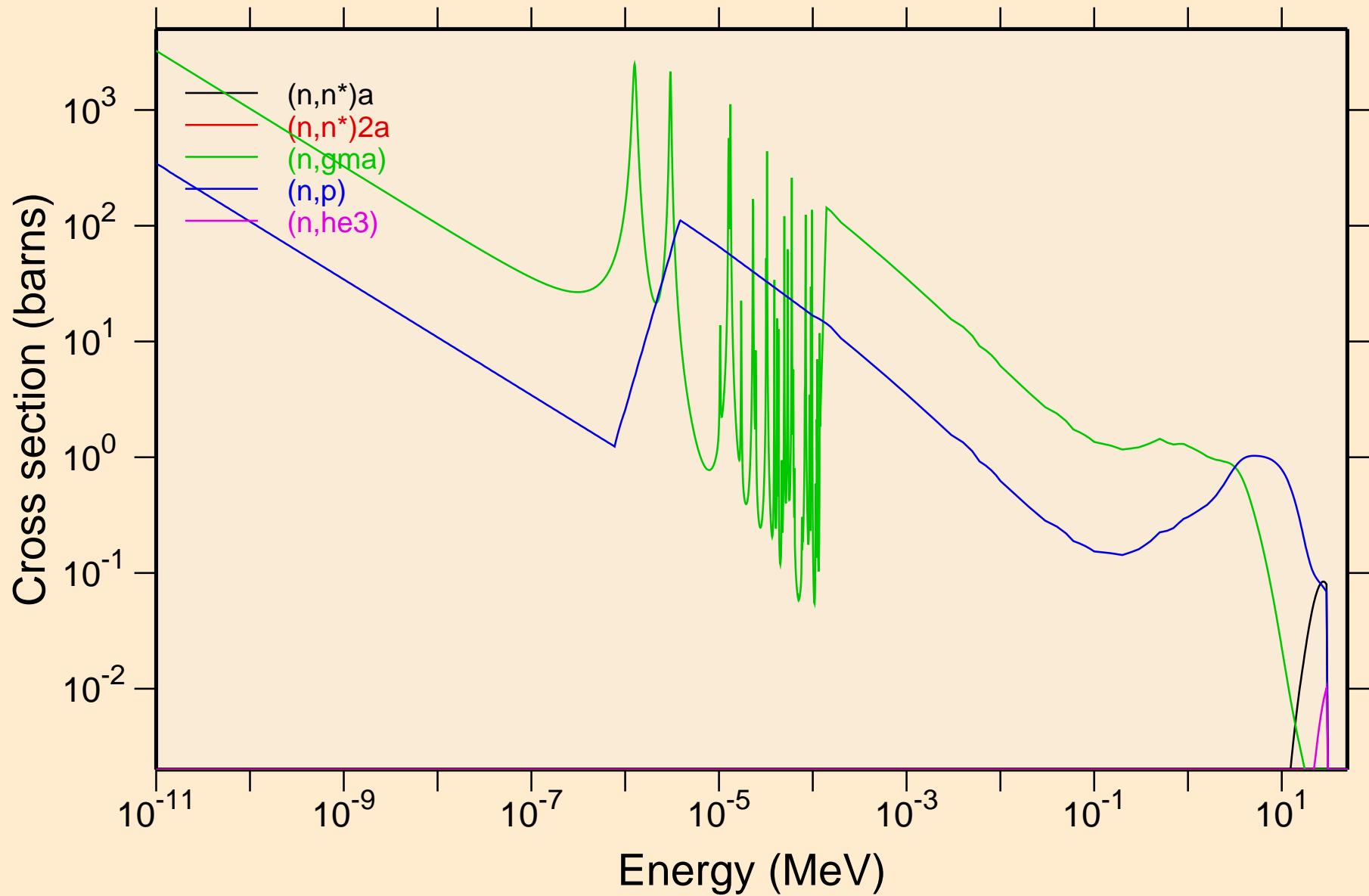


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

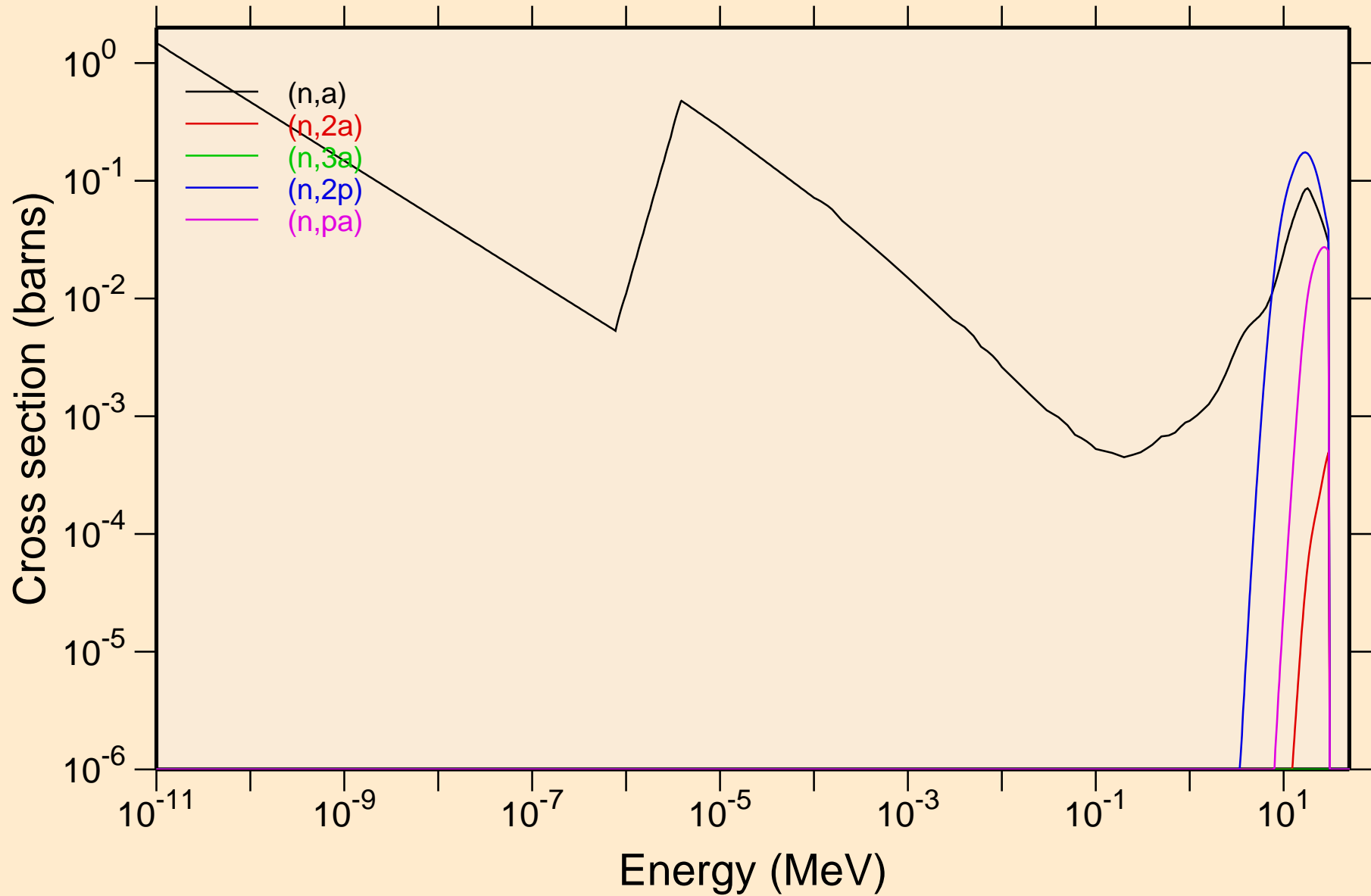


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

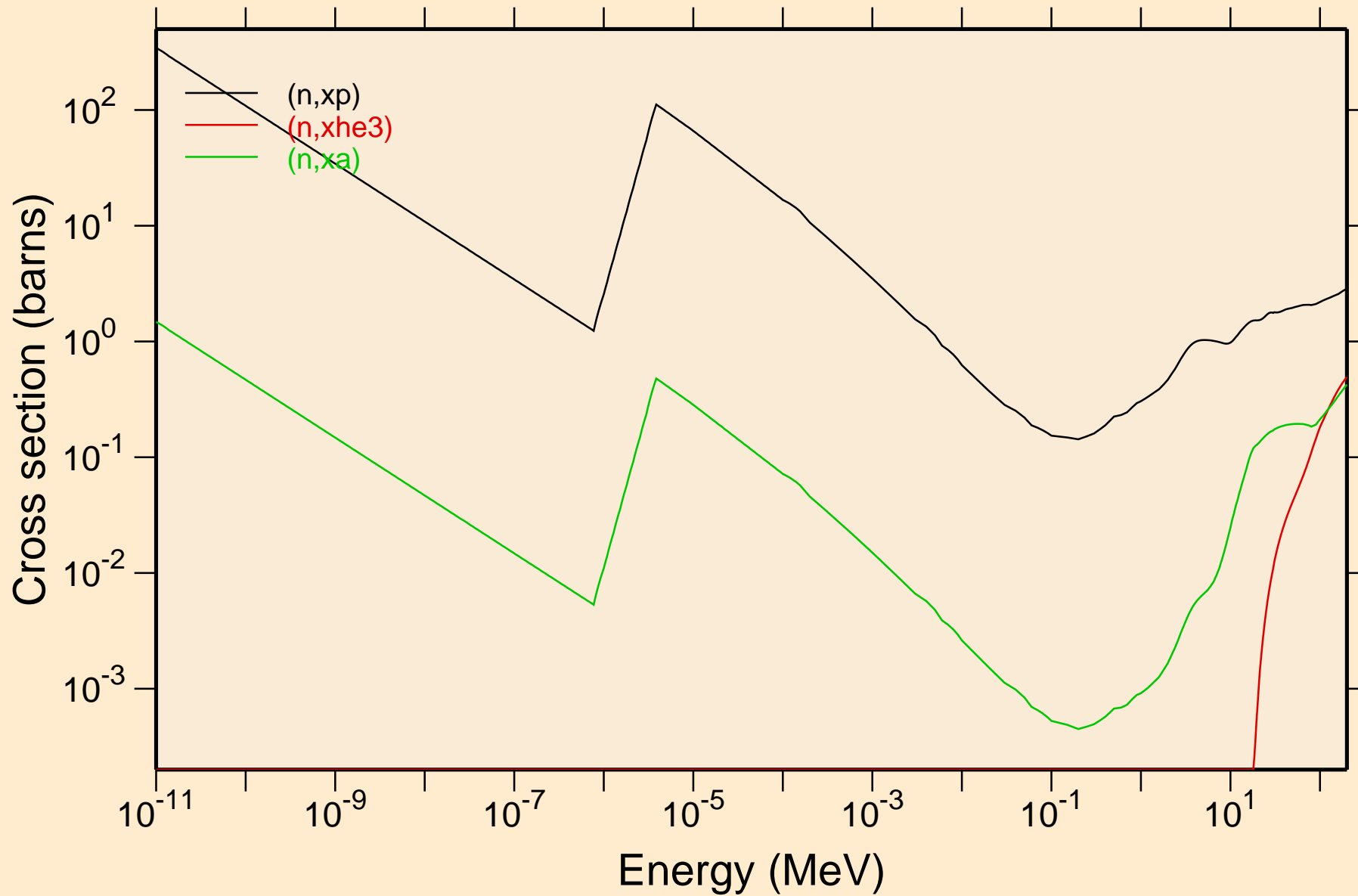


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



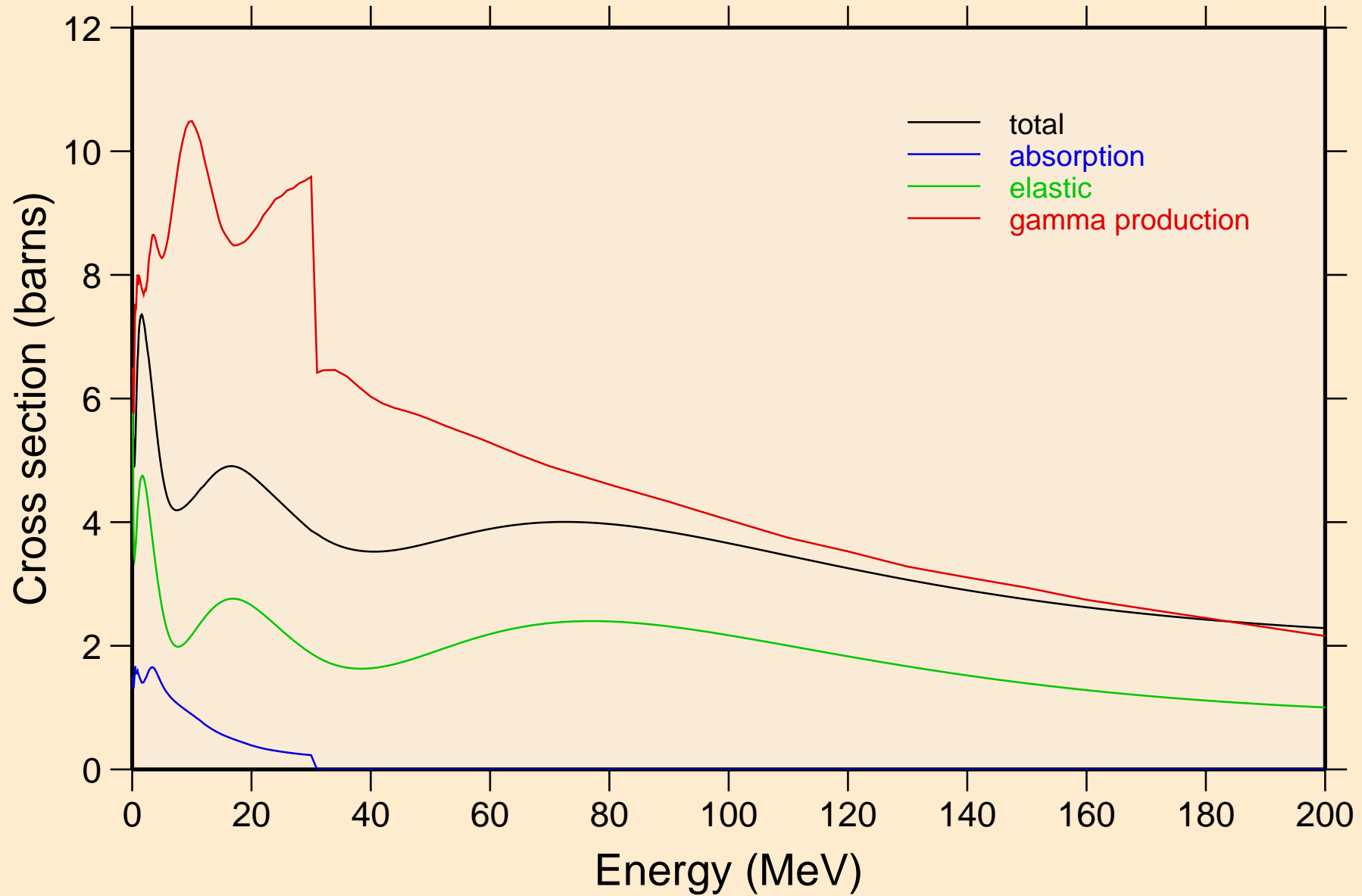
# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



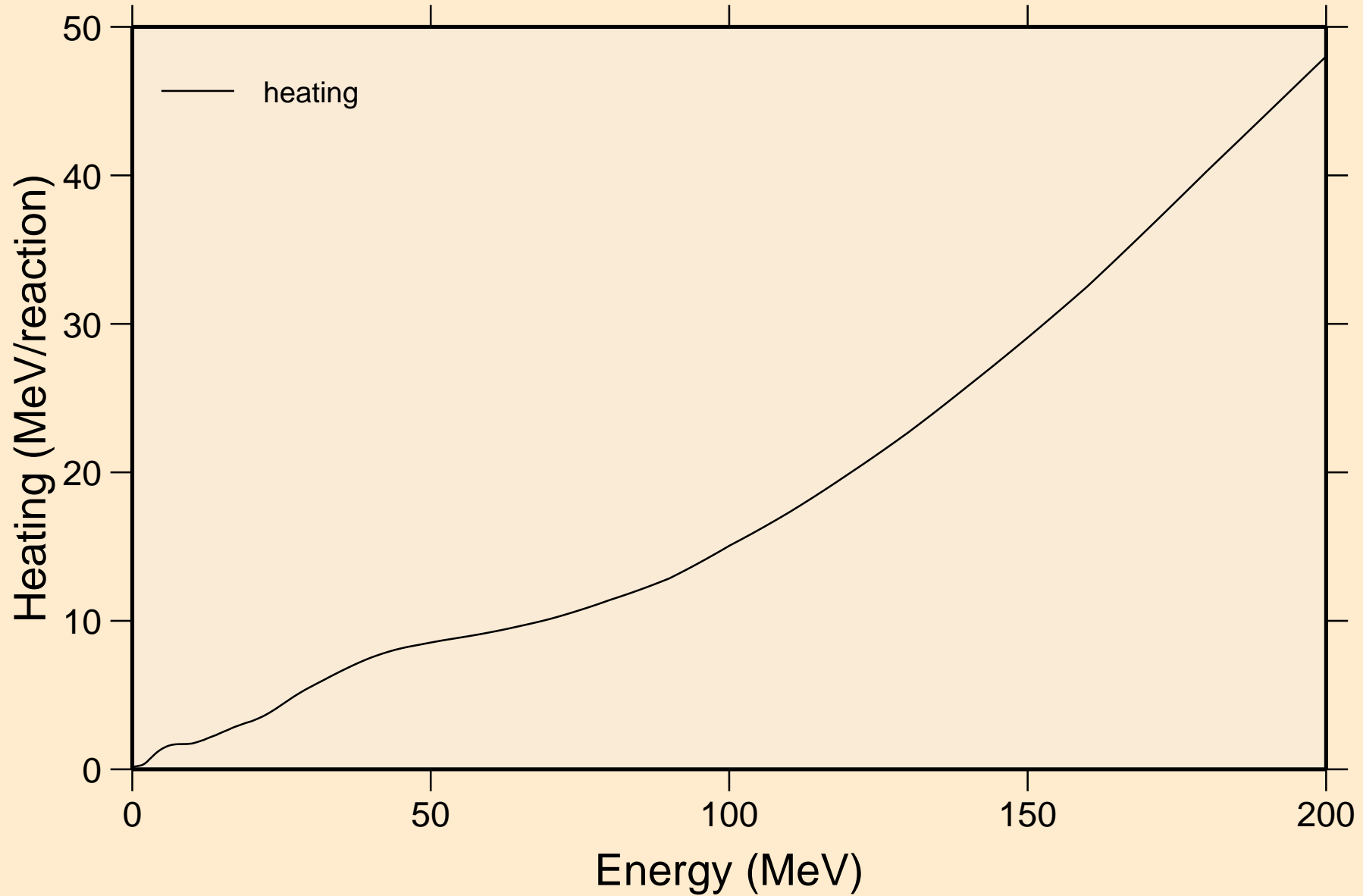
# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

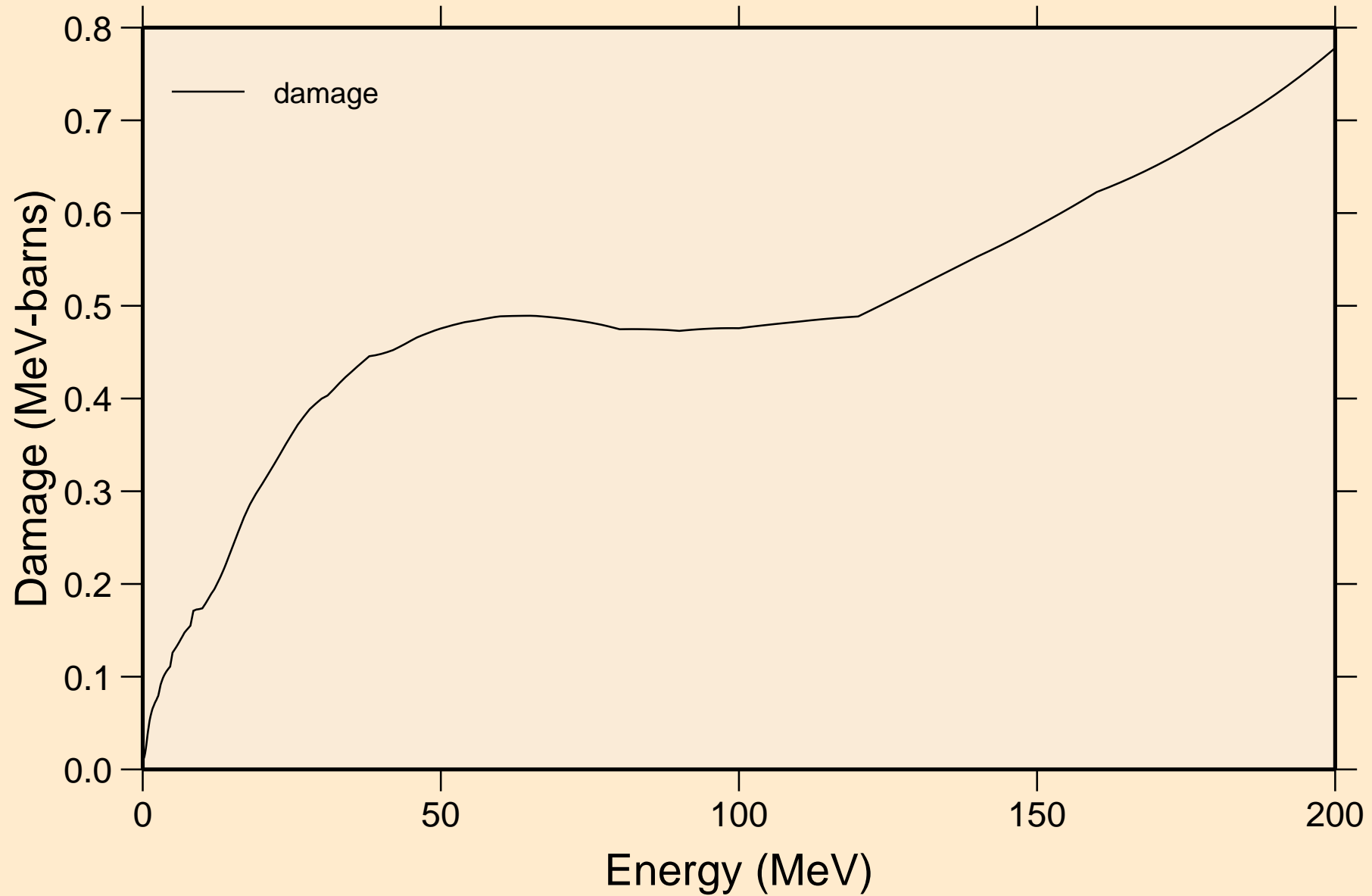
## Heating





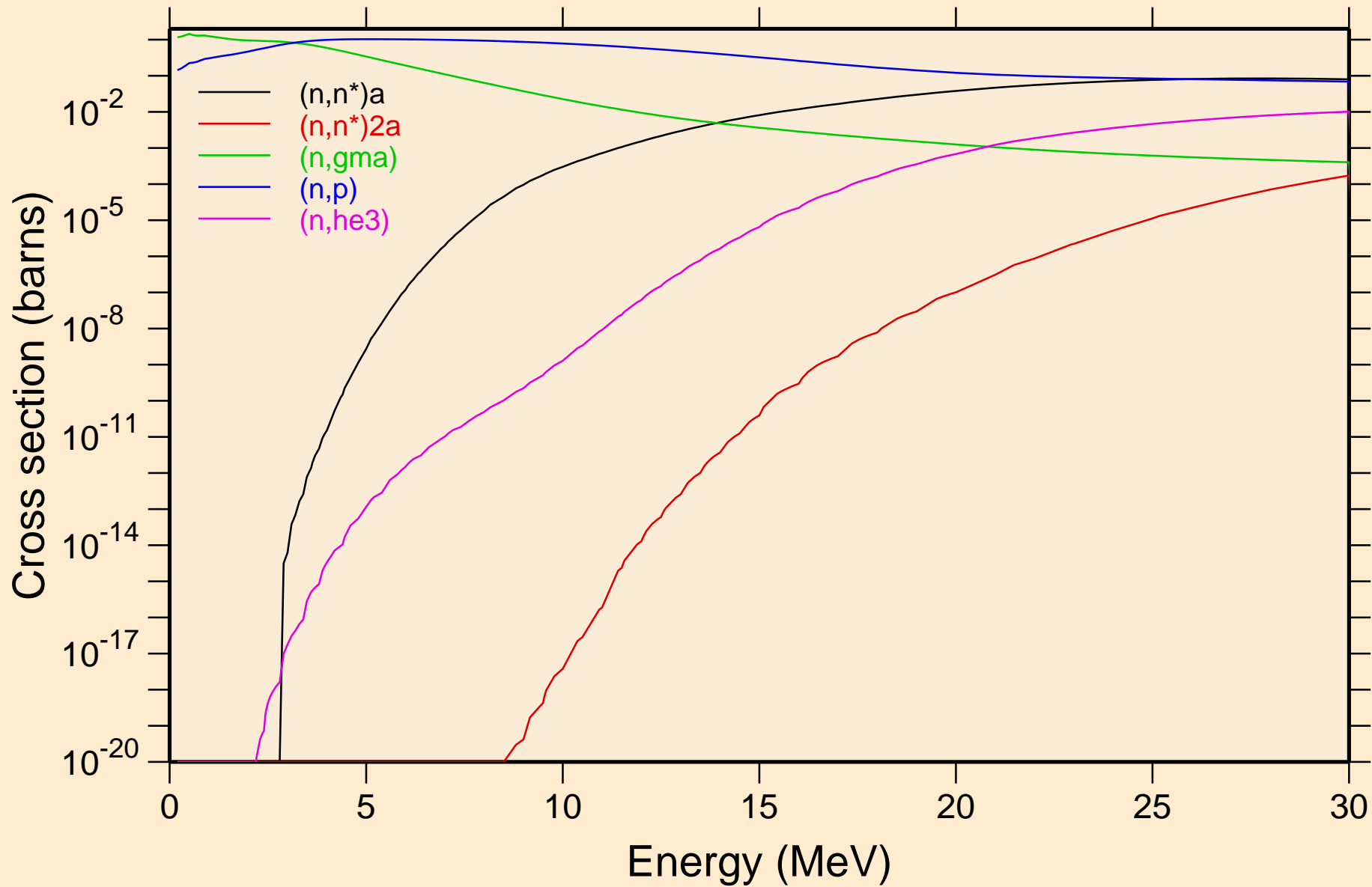
# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

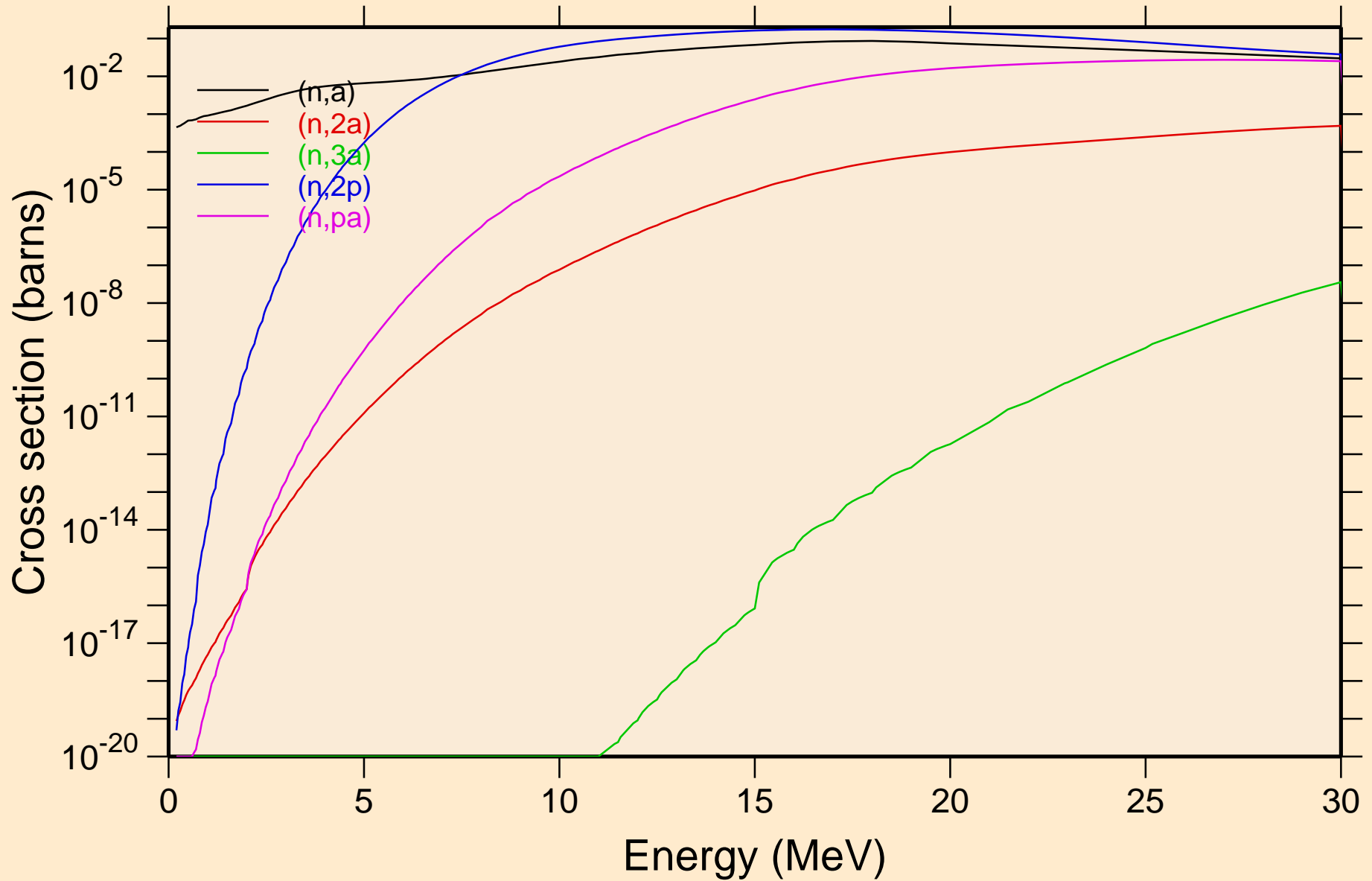


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

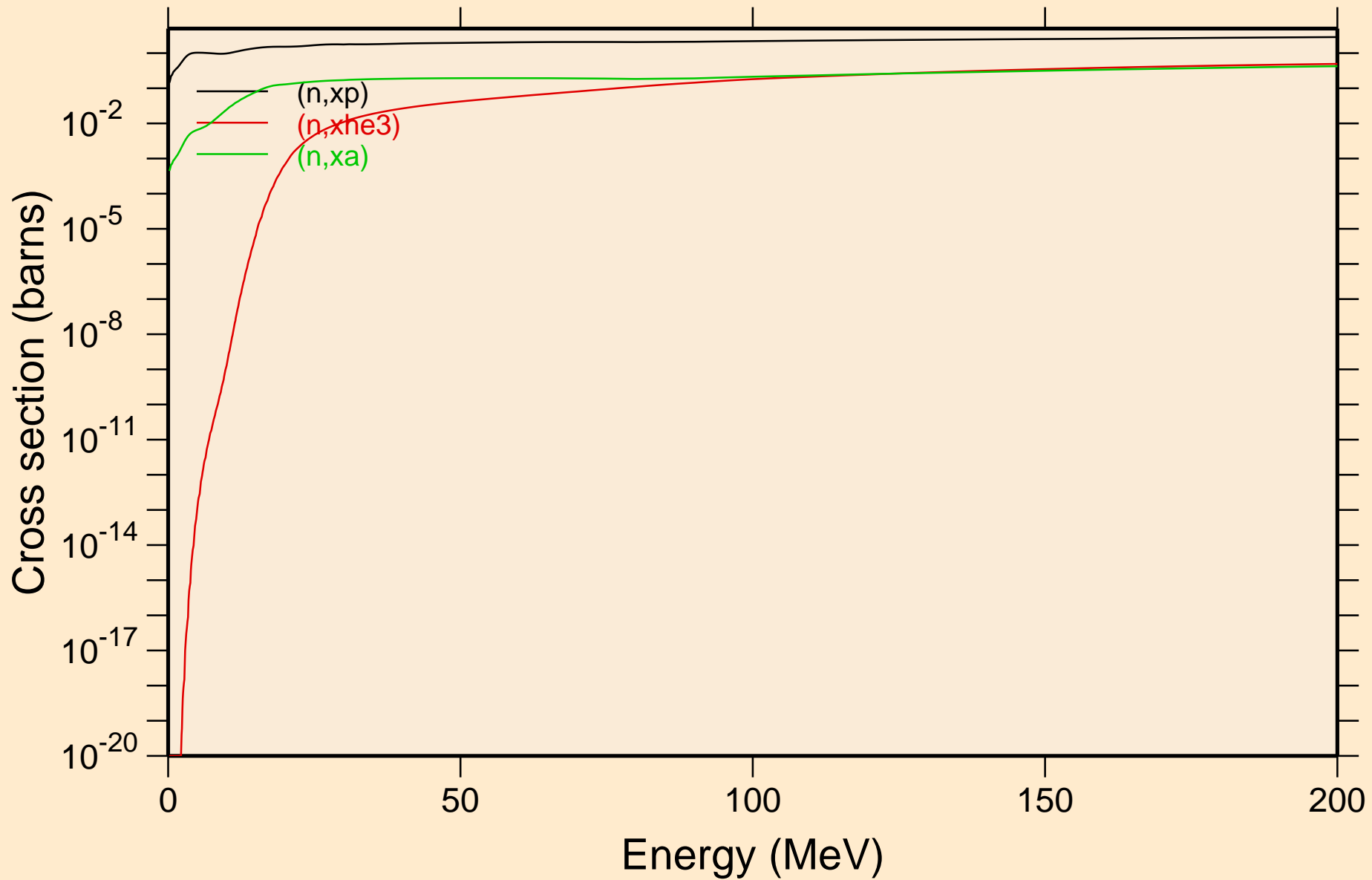


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

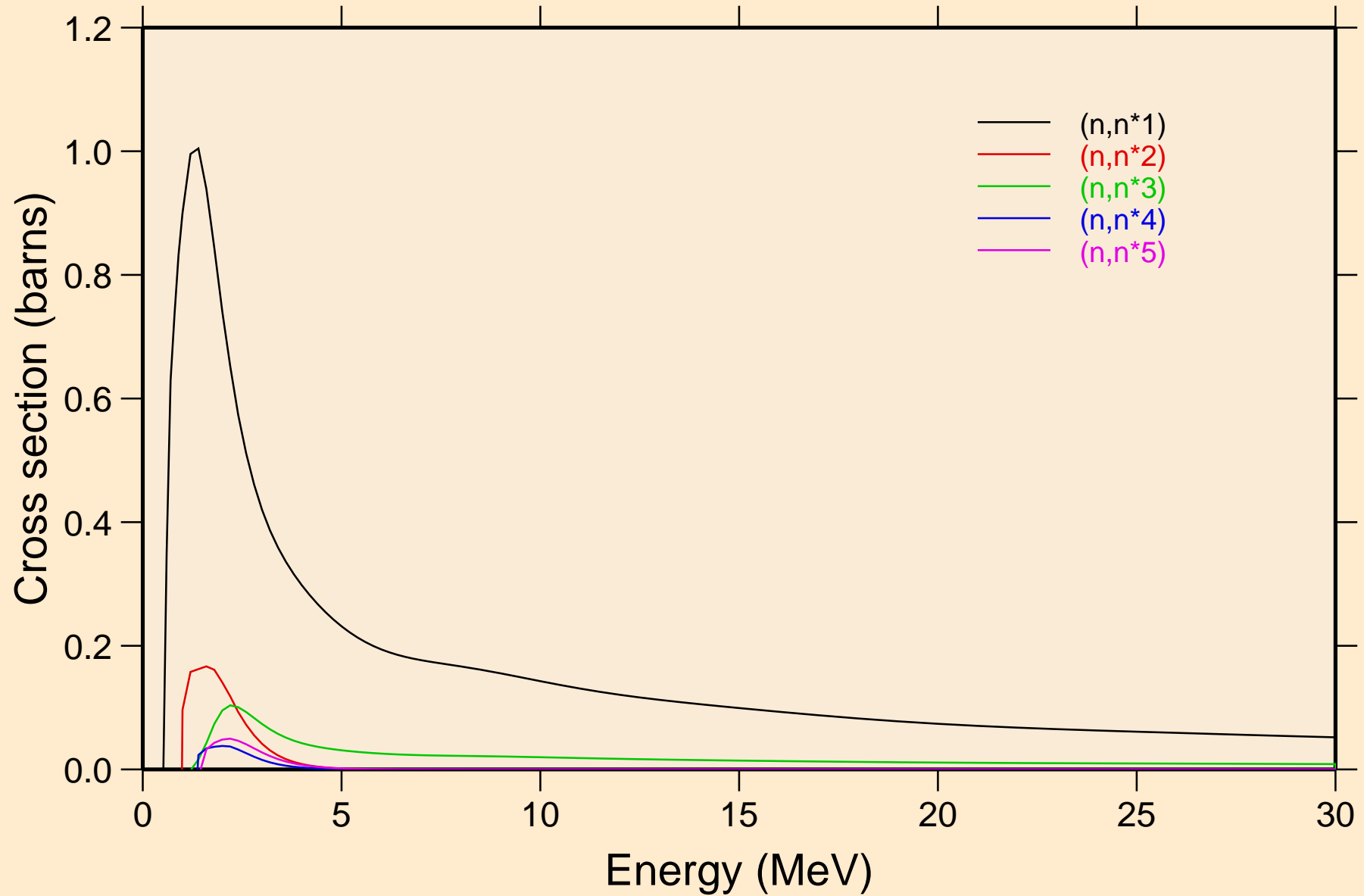


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

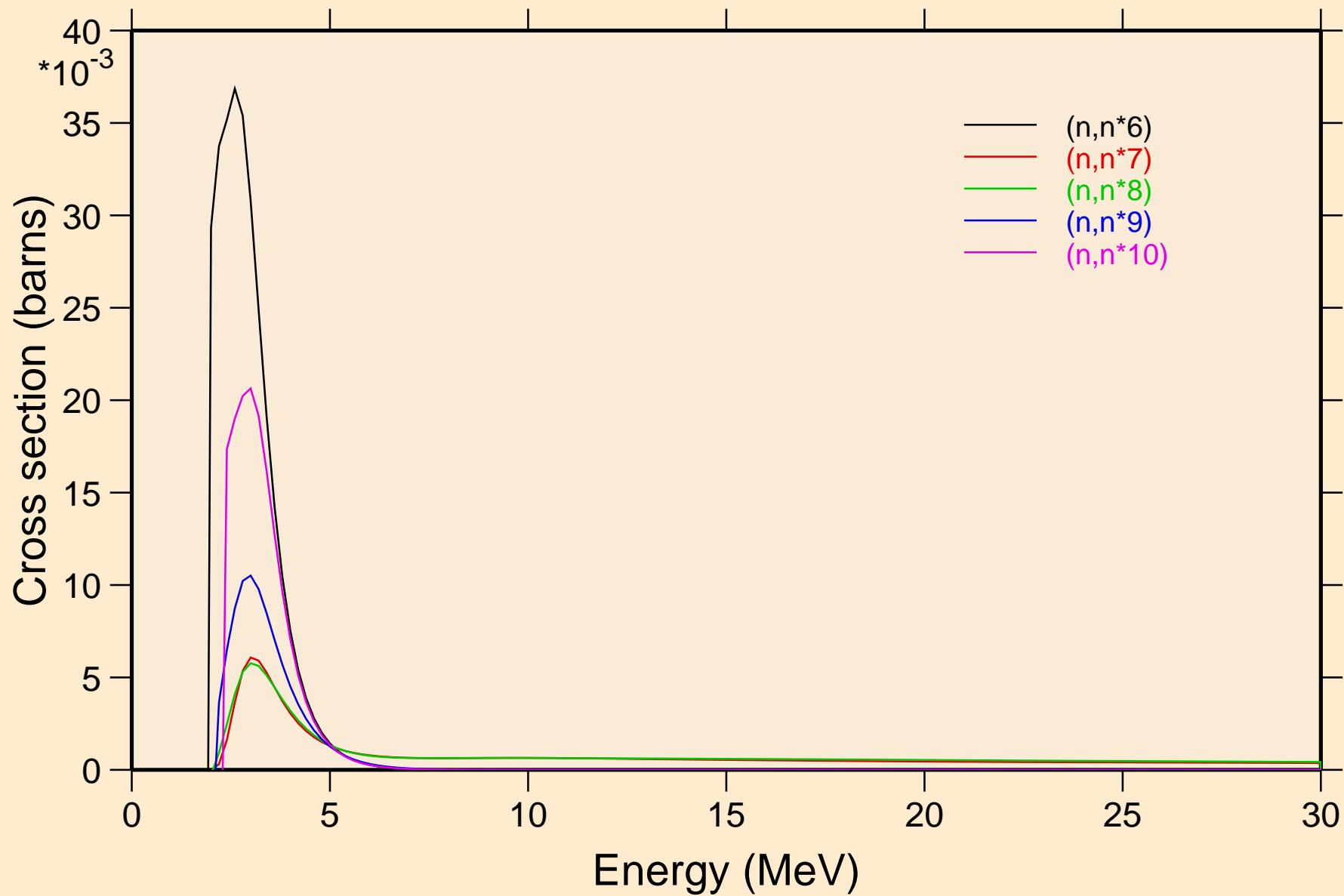


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

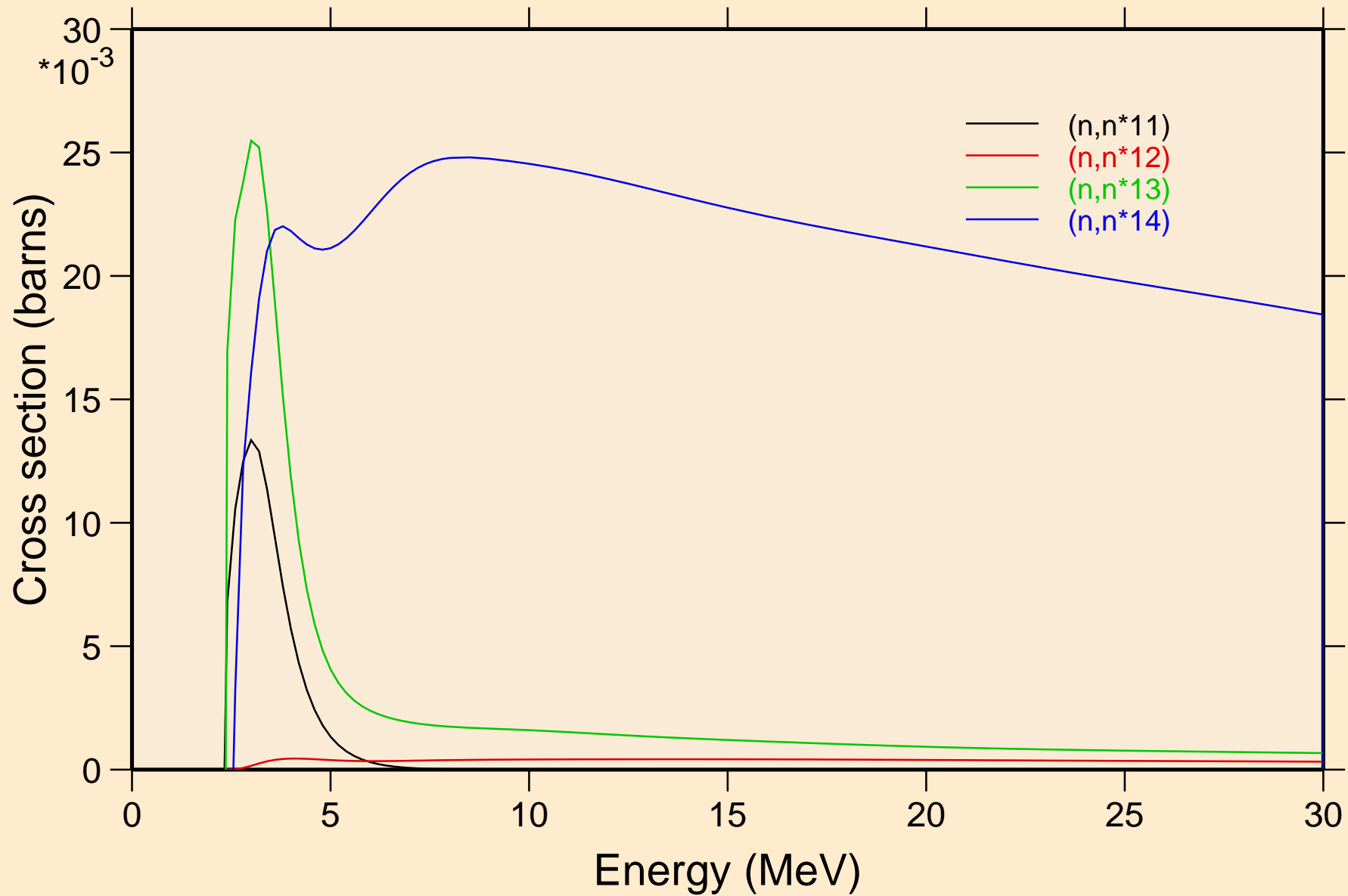


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

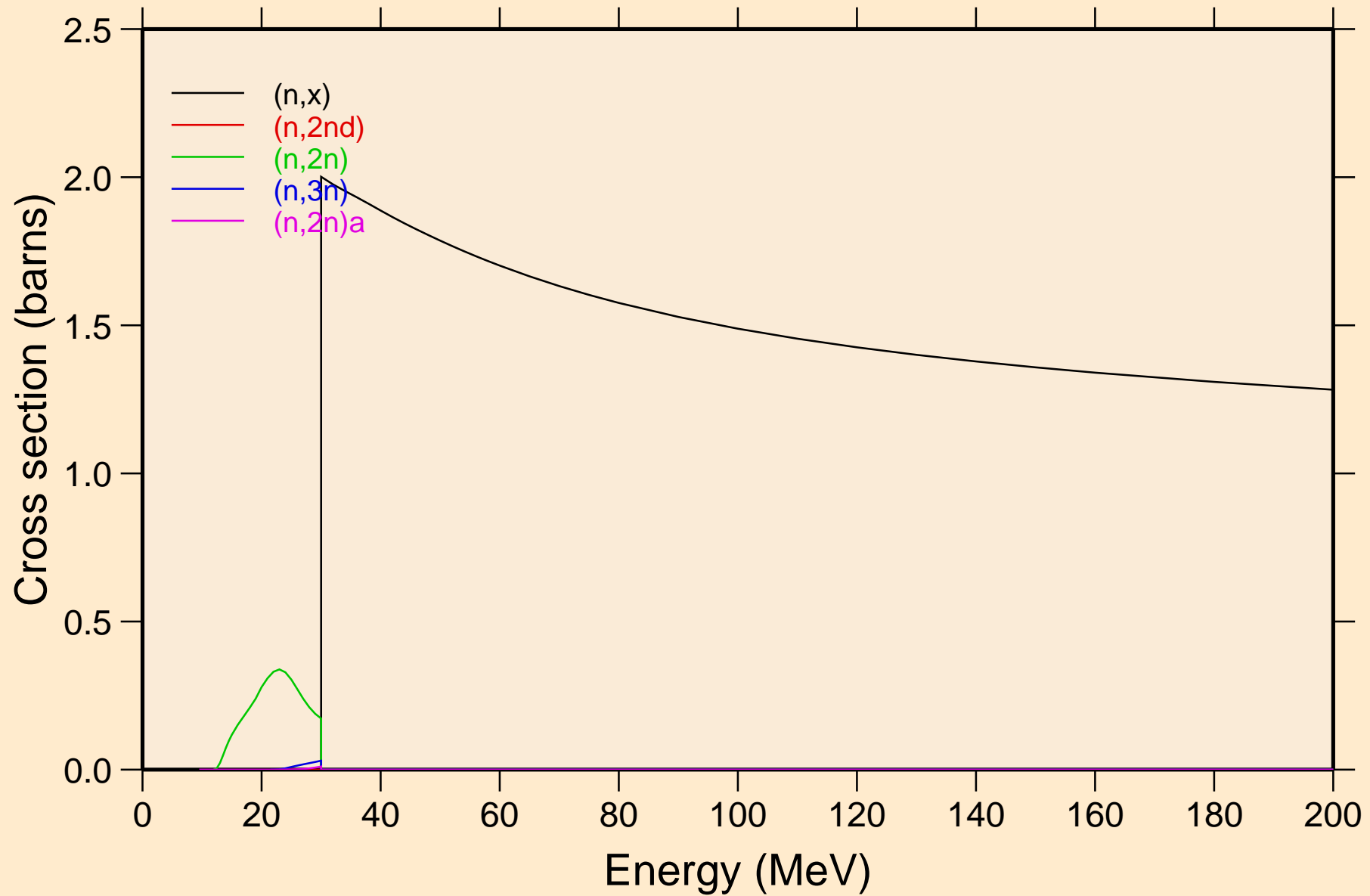


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



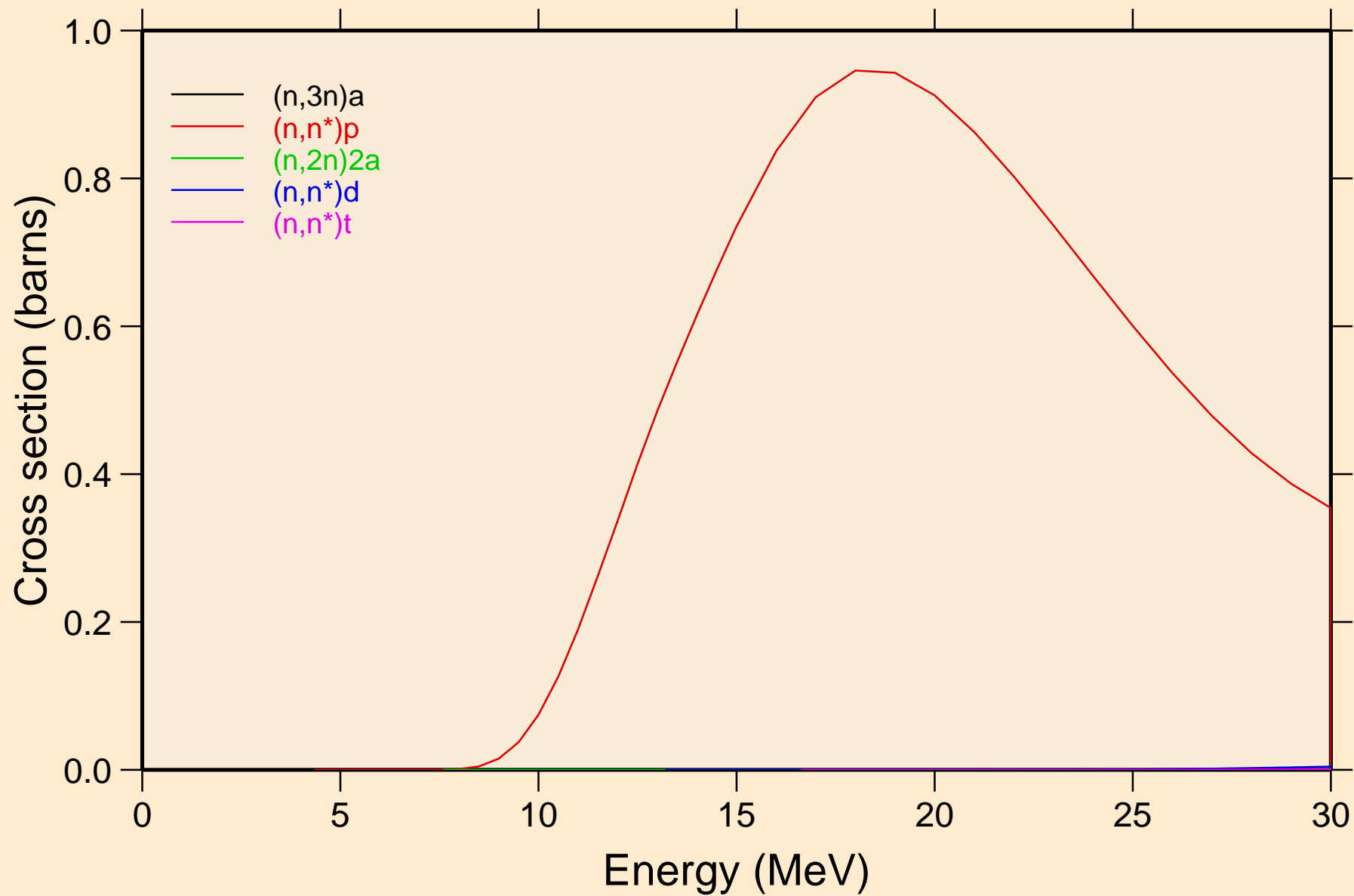
# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

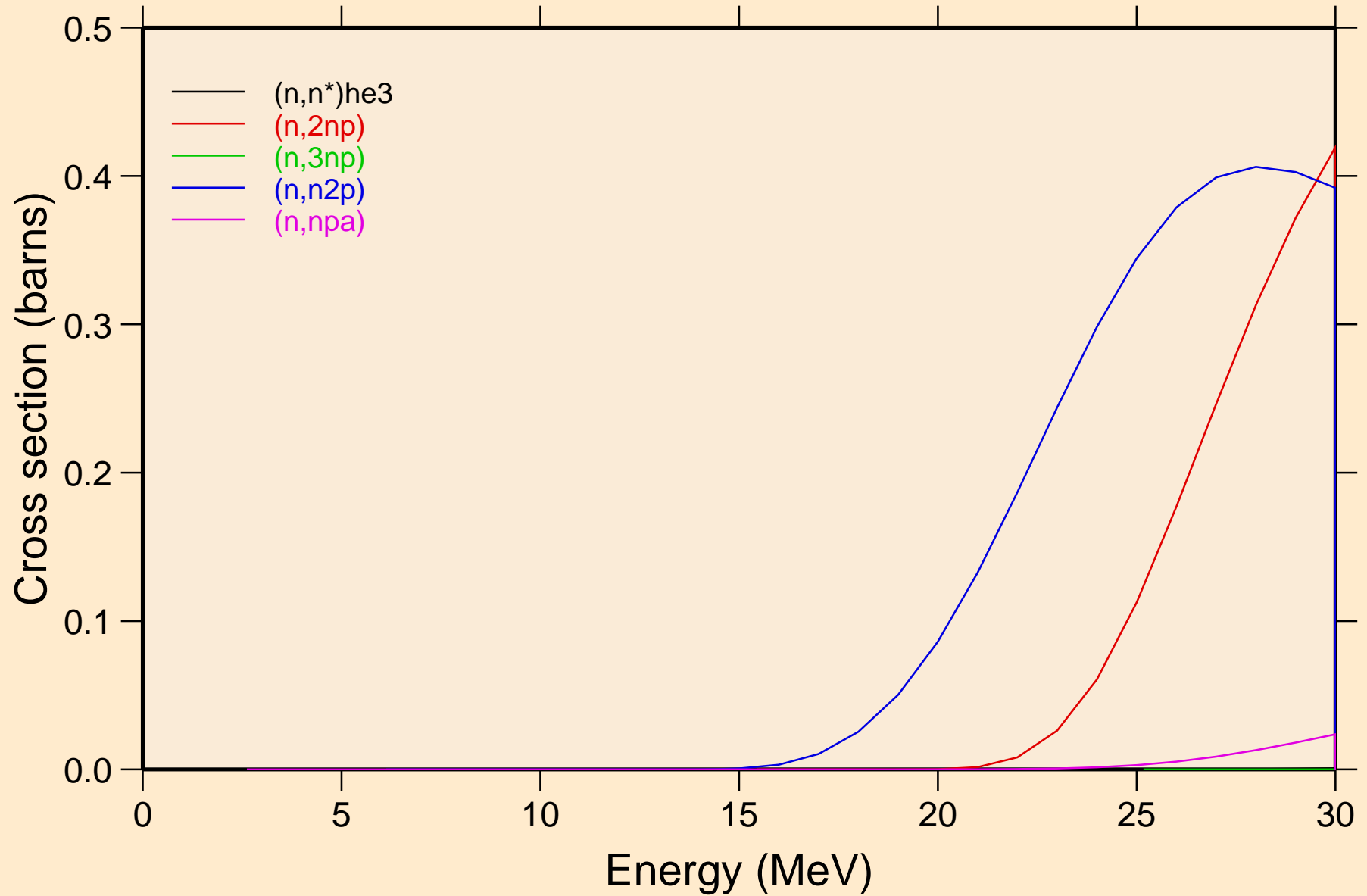




GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

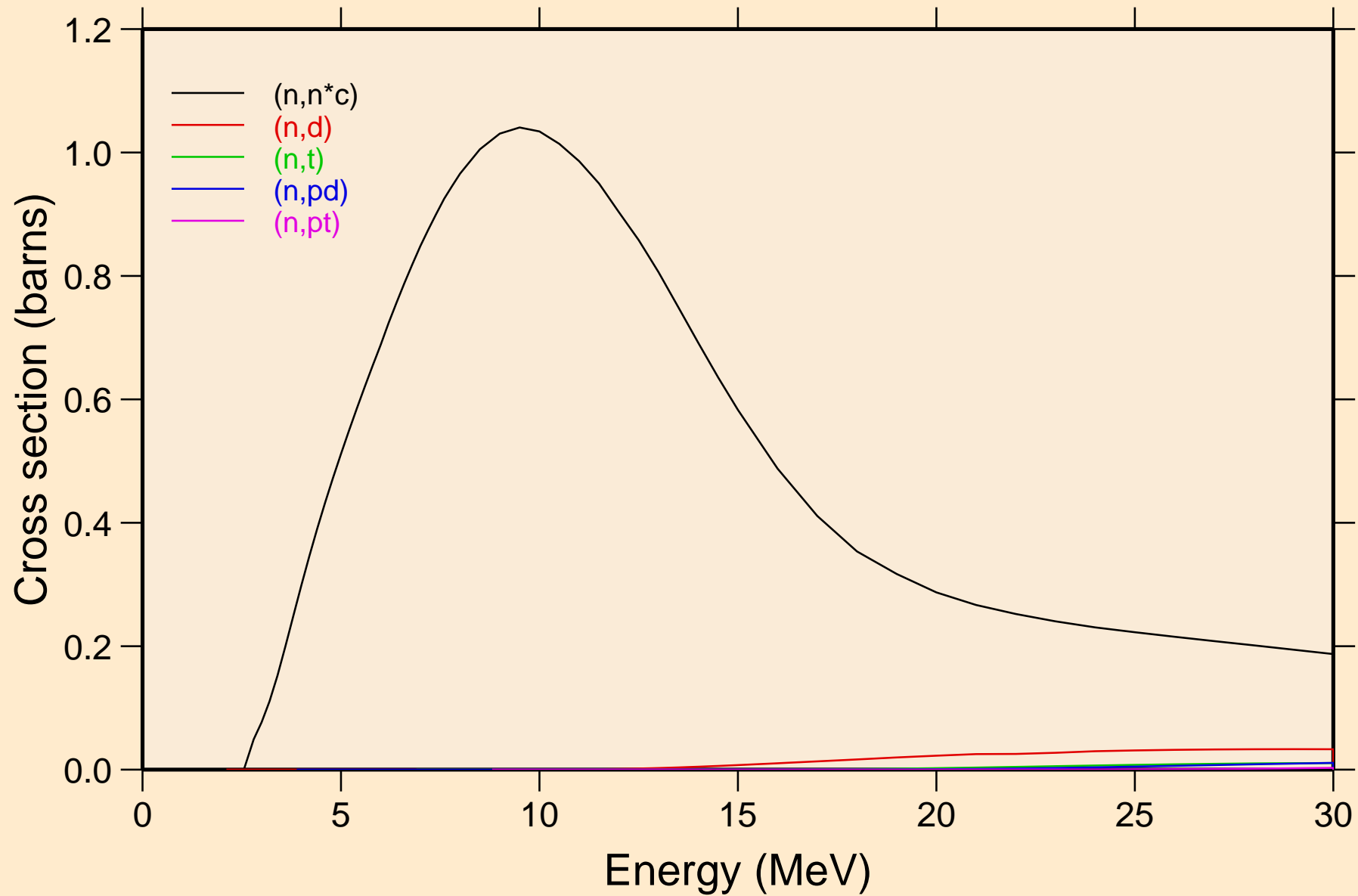


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

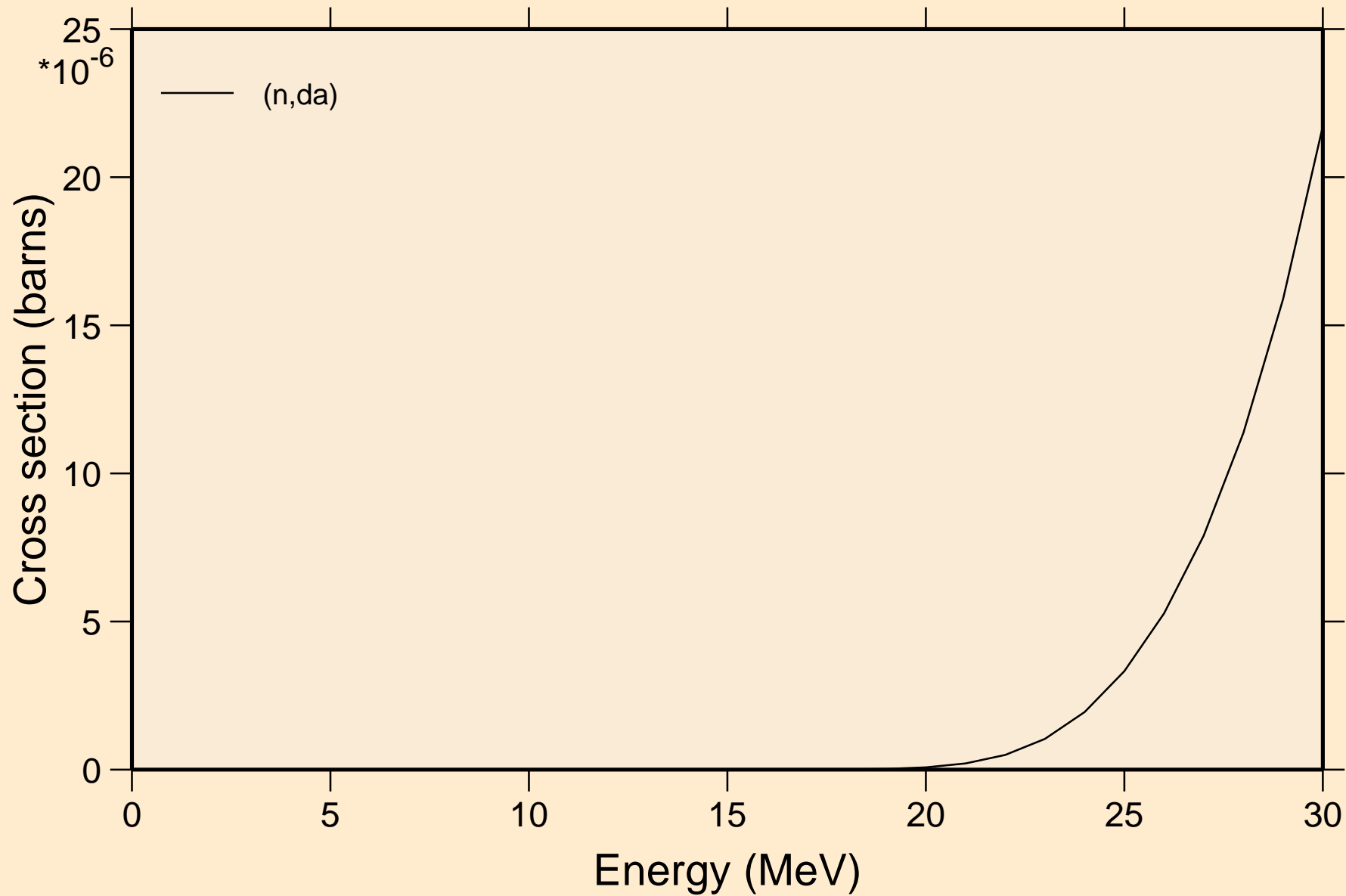


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

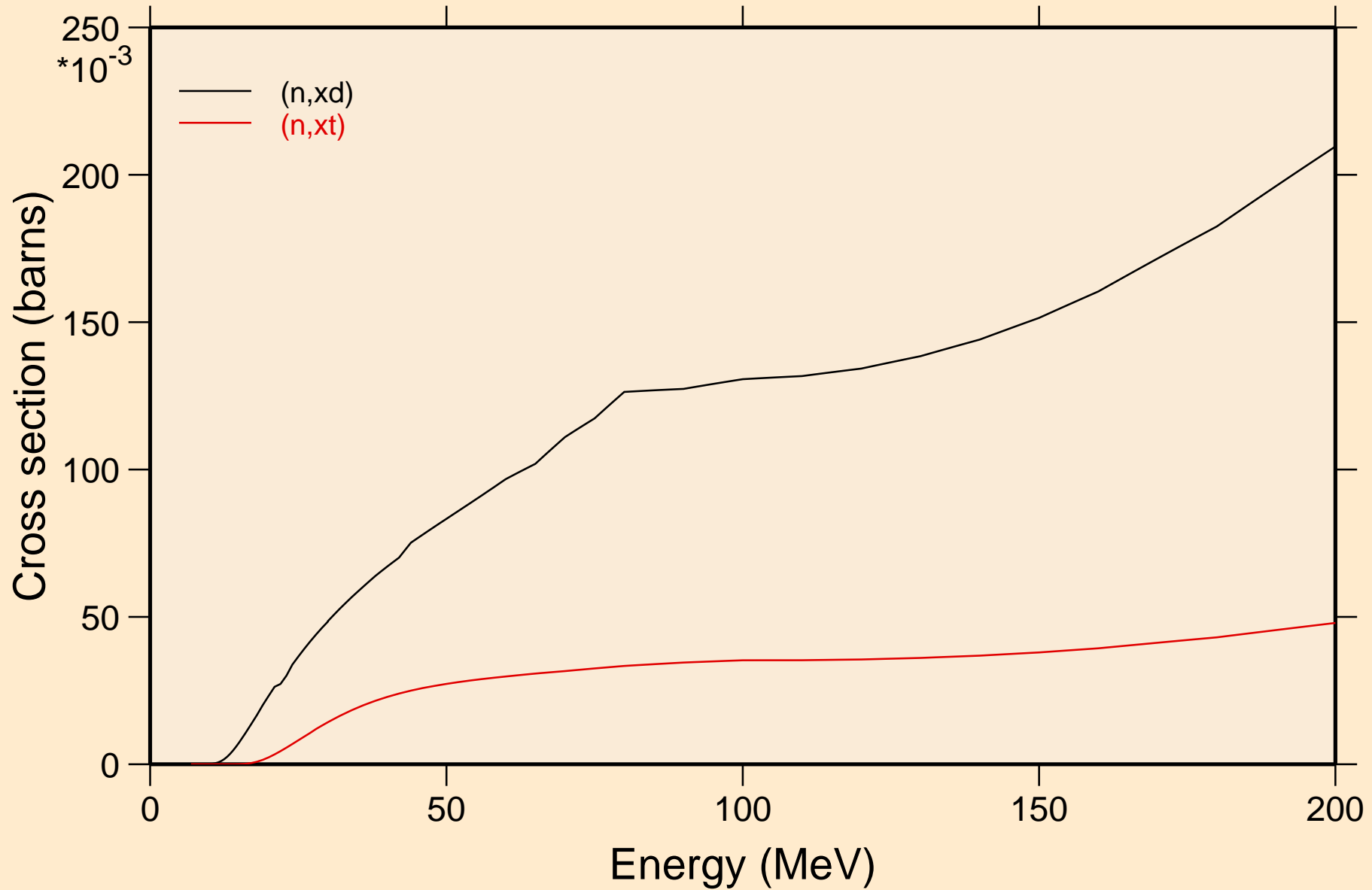


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

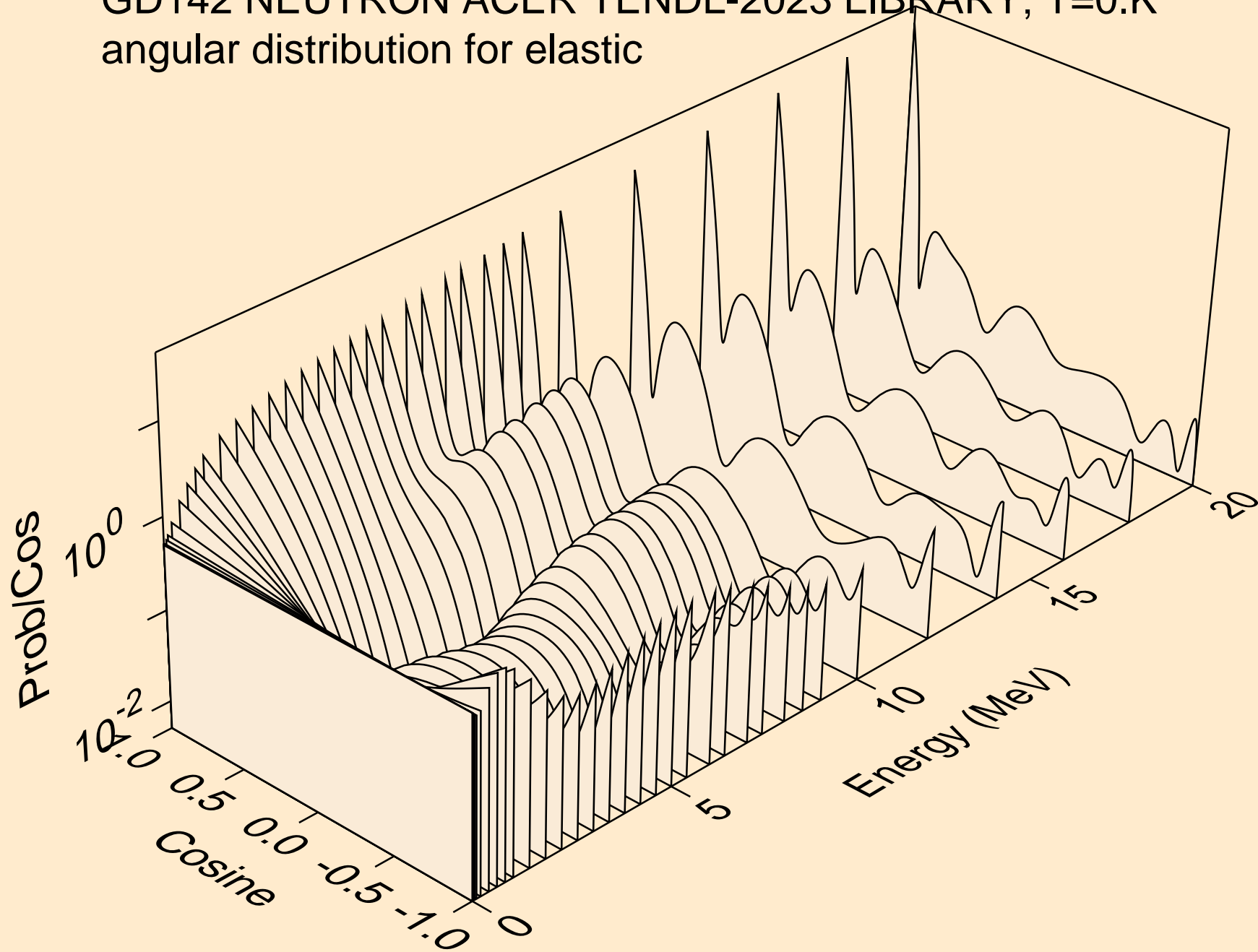


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

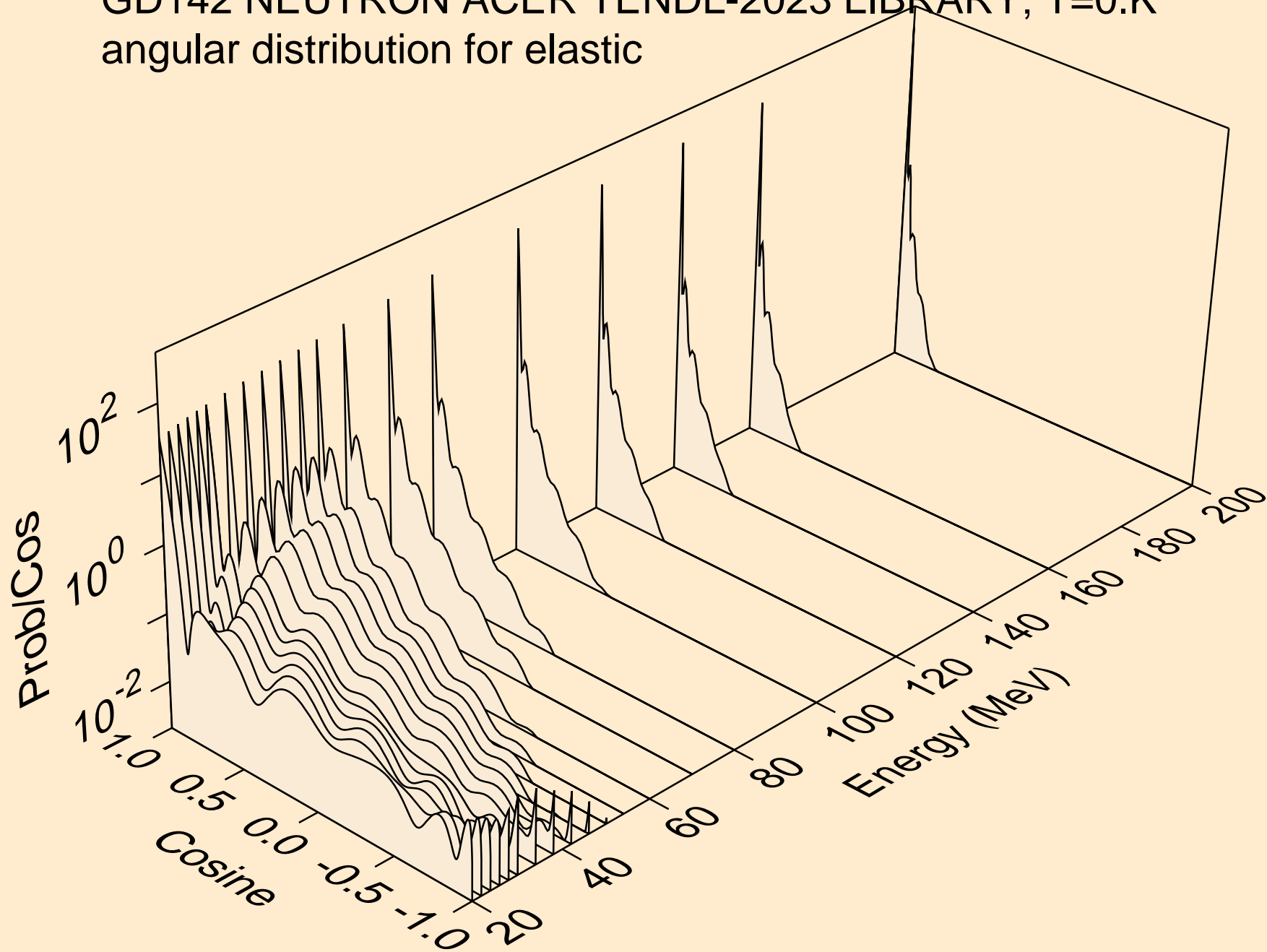
## Threshold reactions



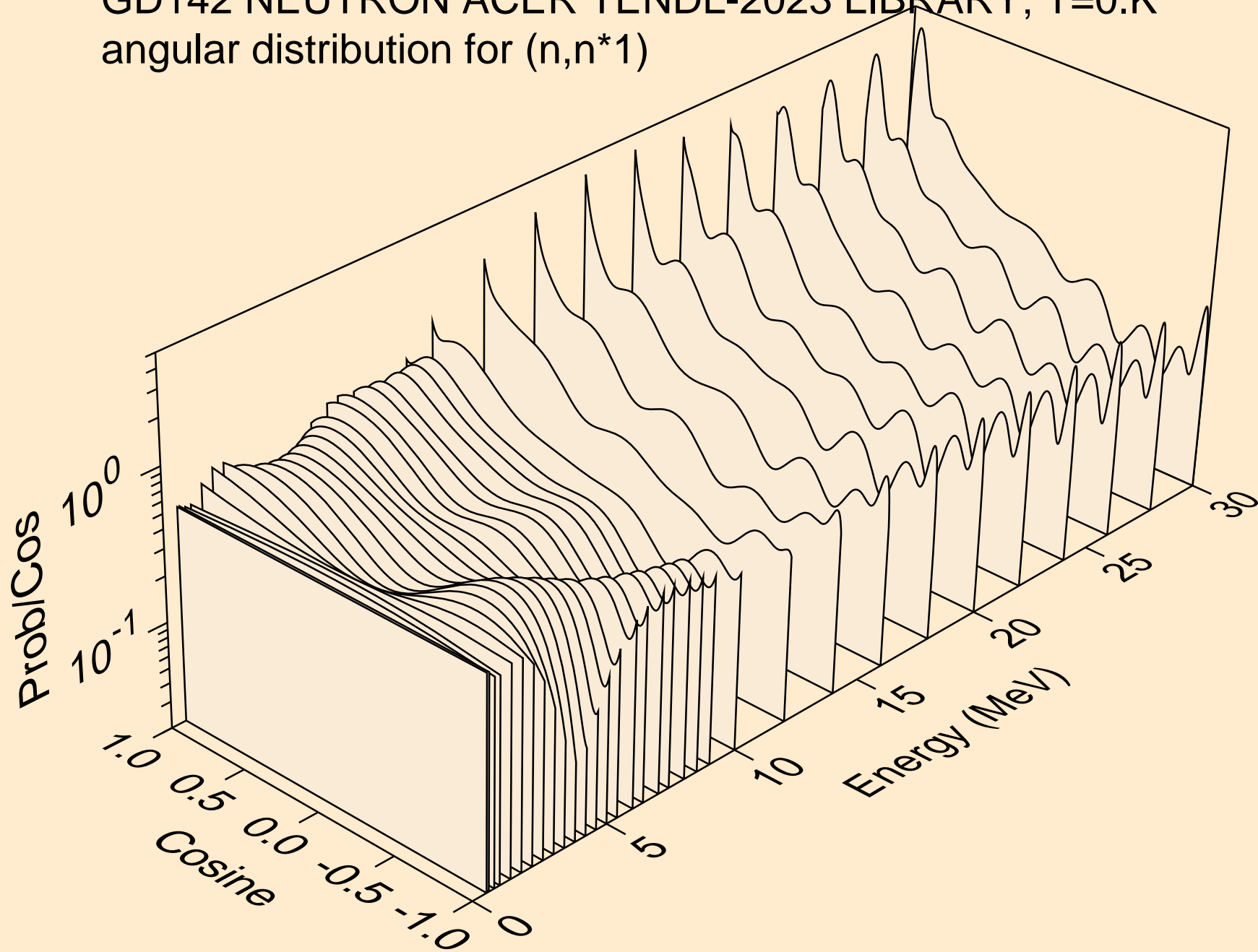
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

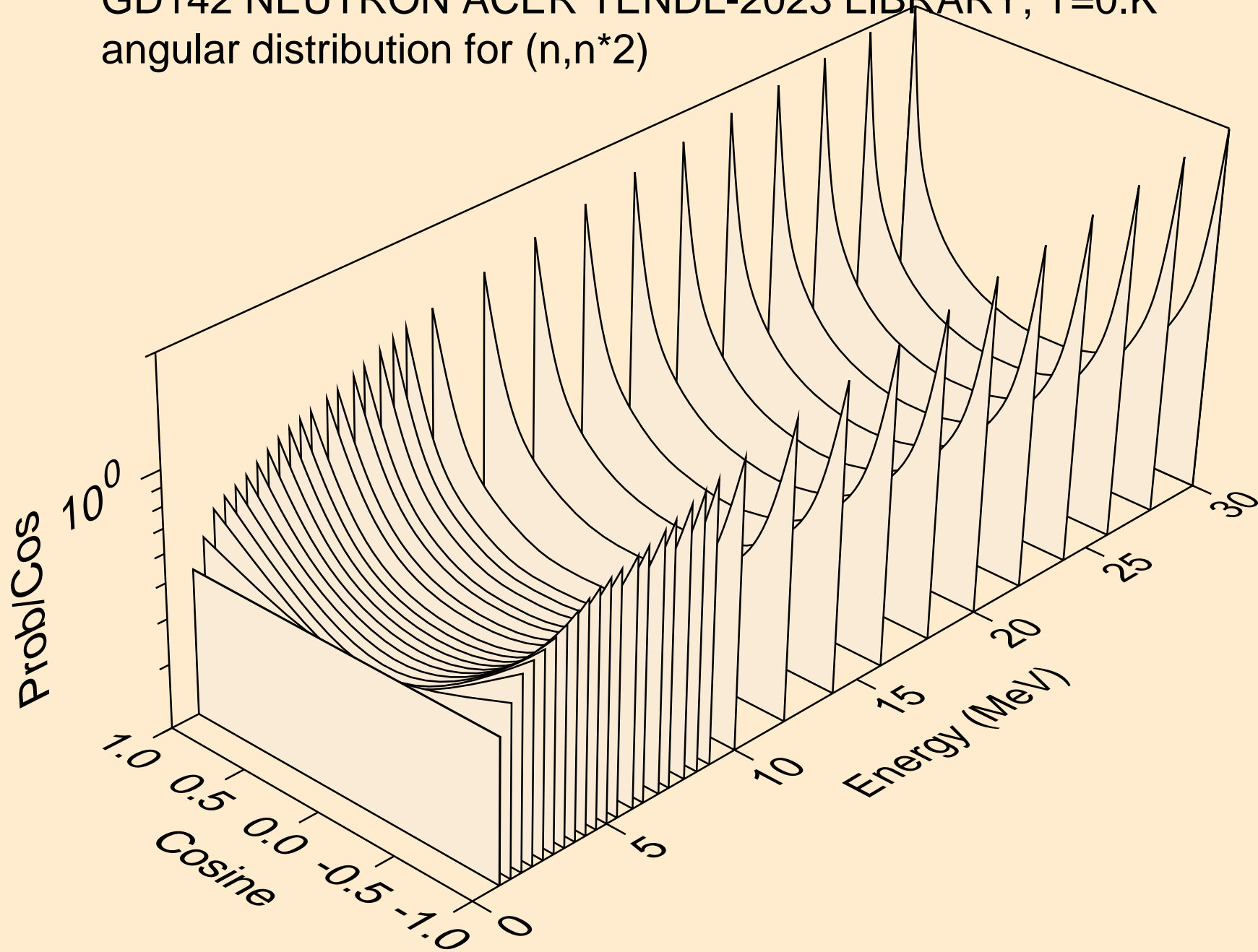


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

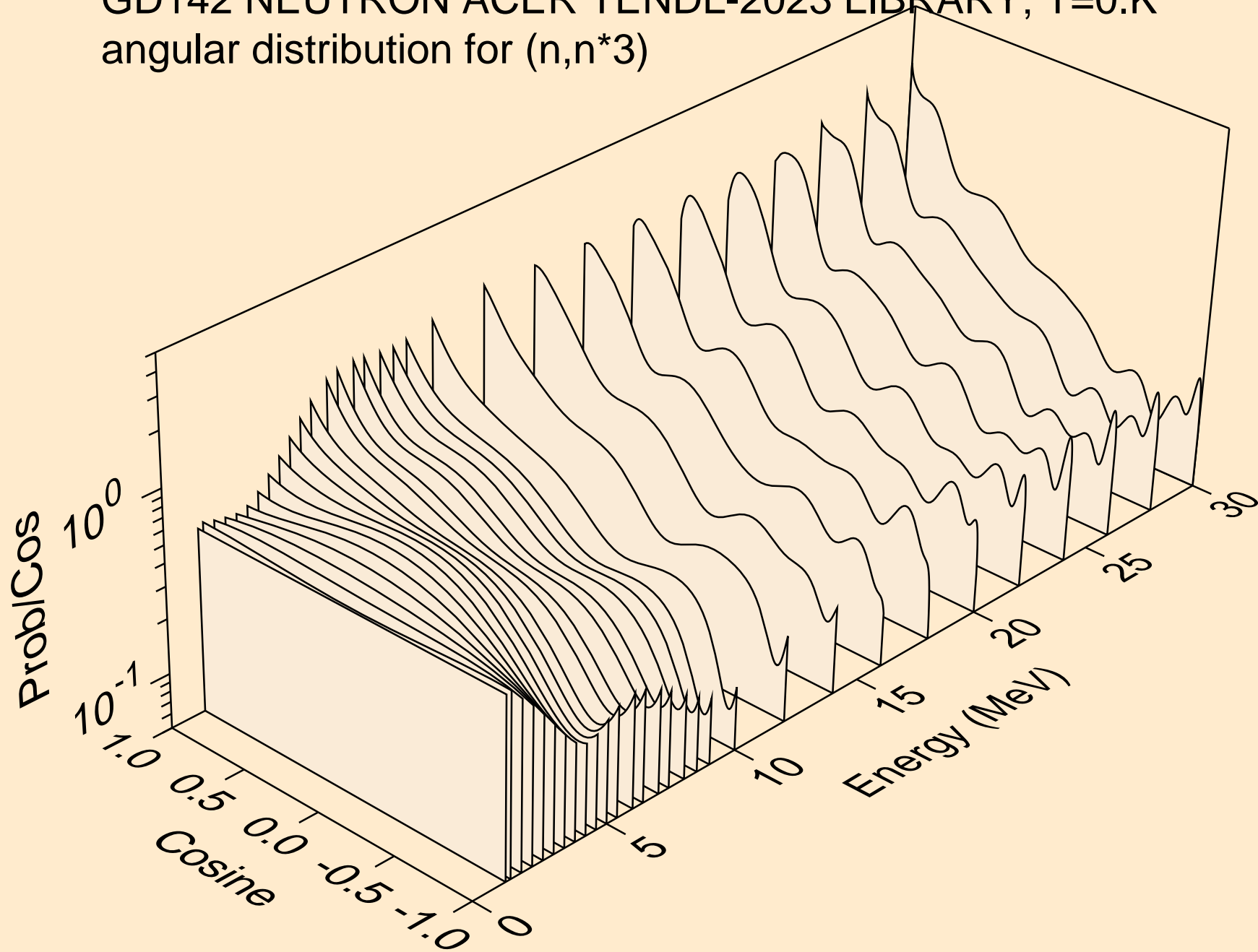




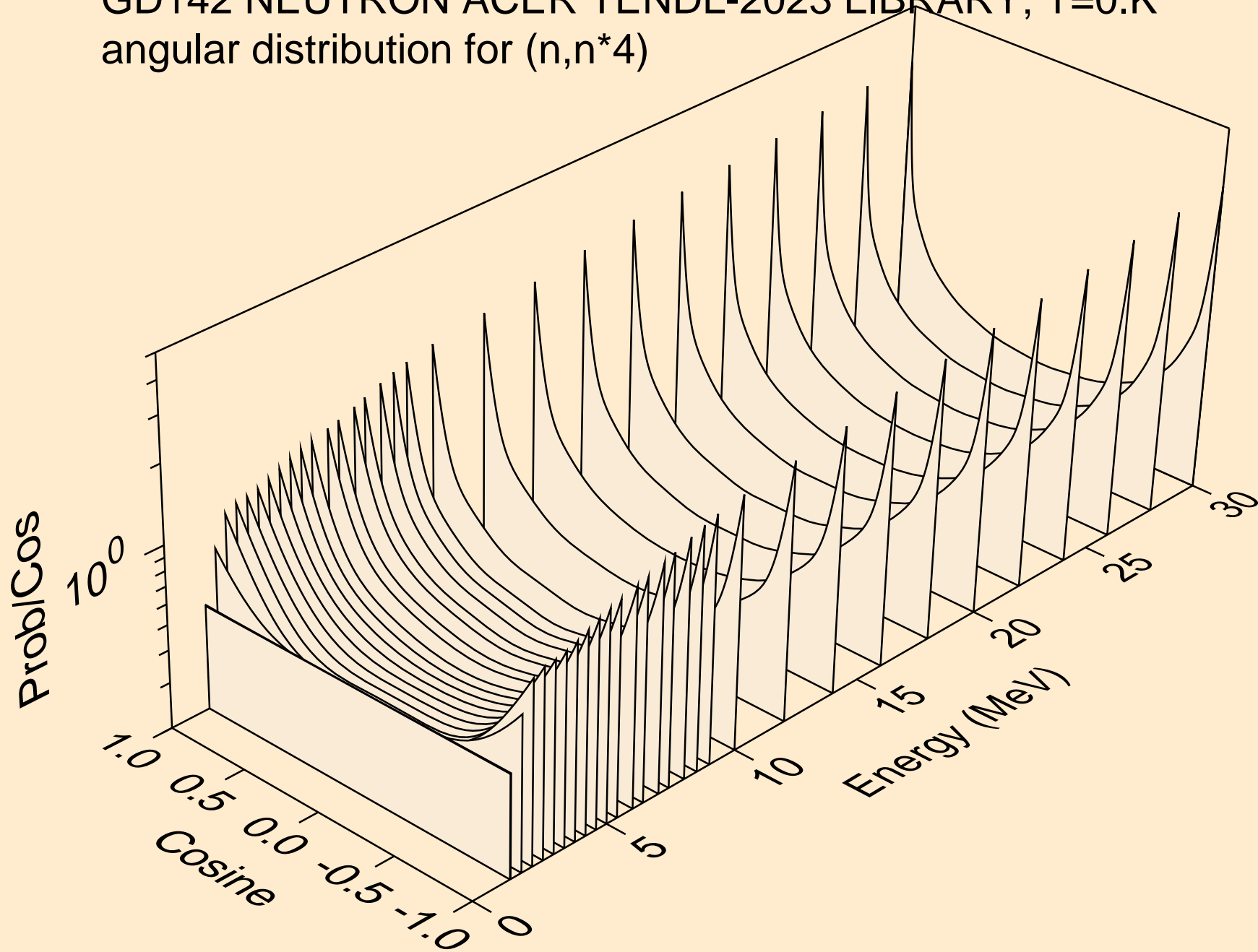
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



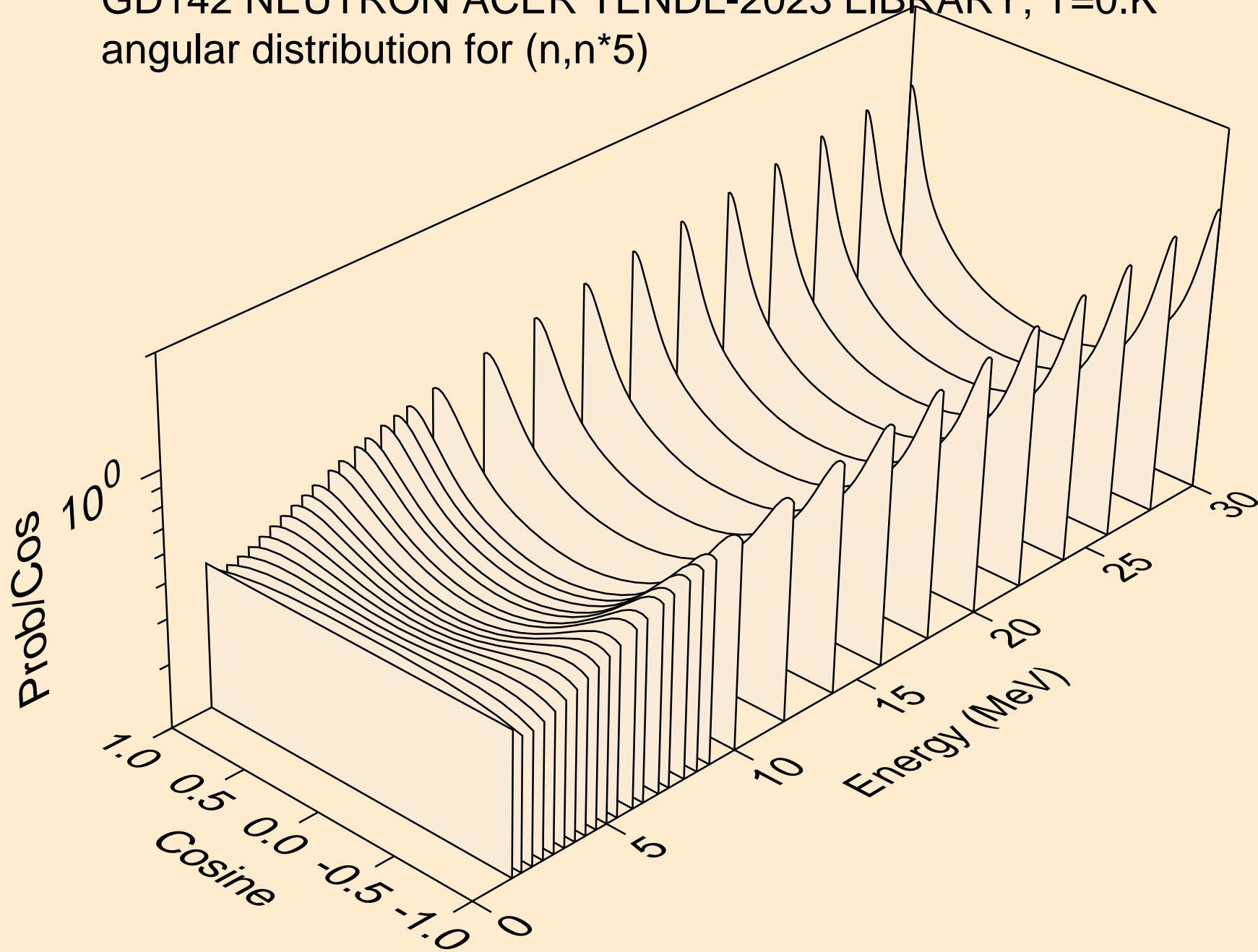
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



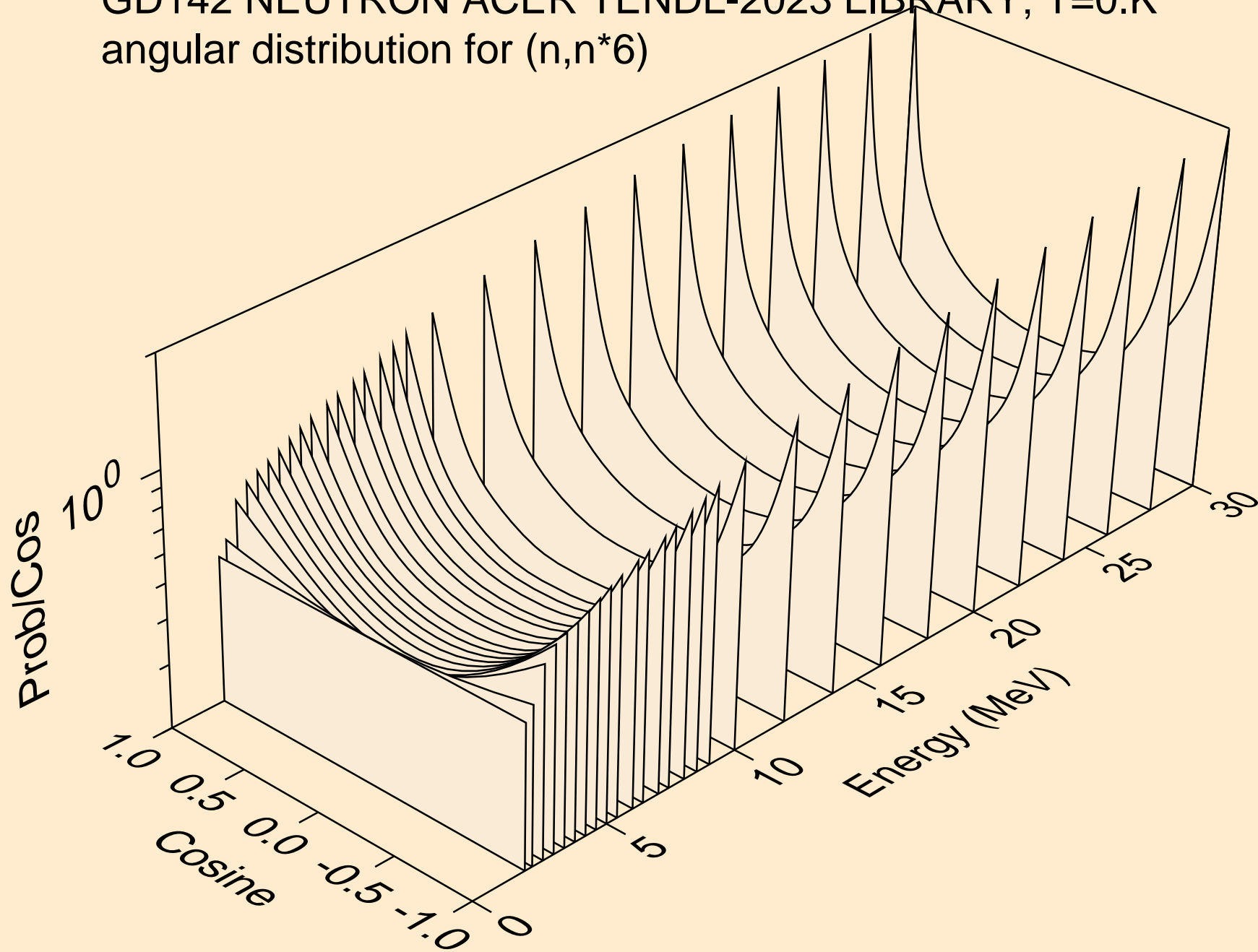
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



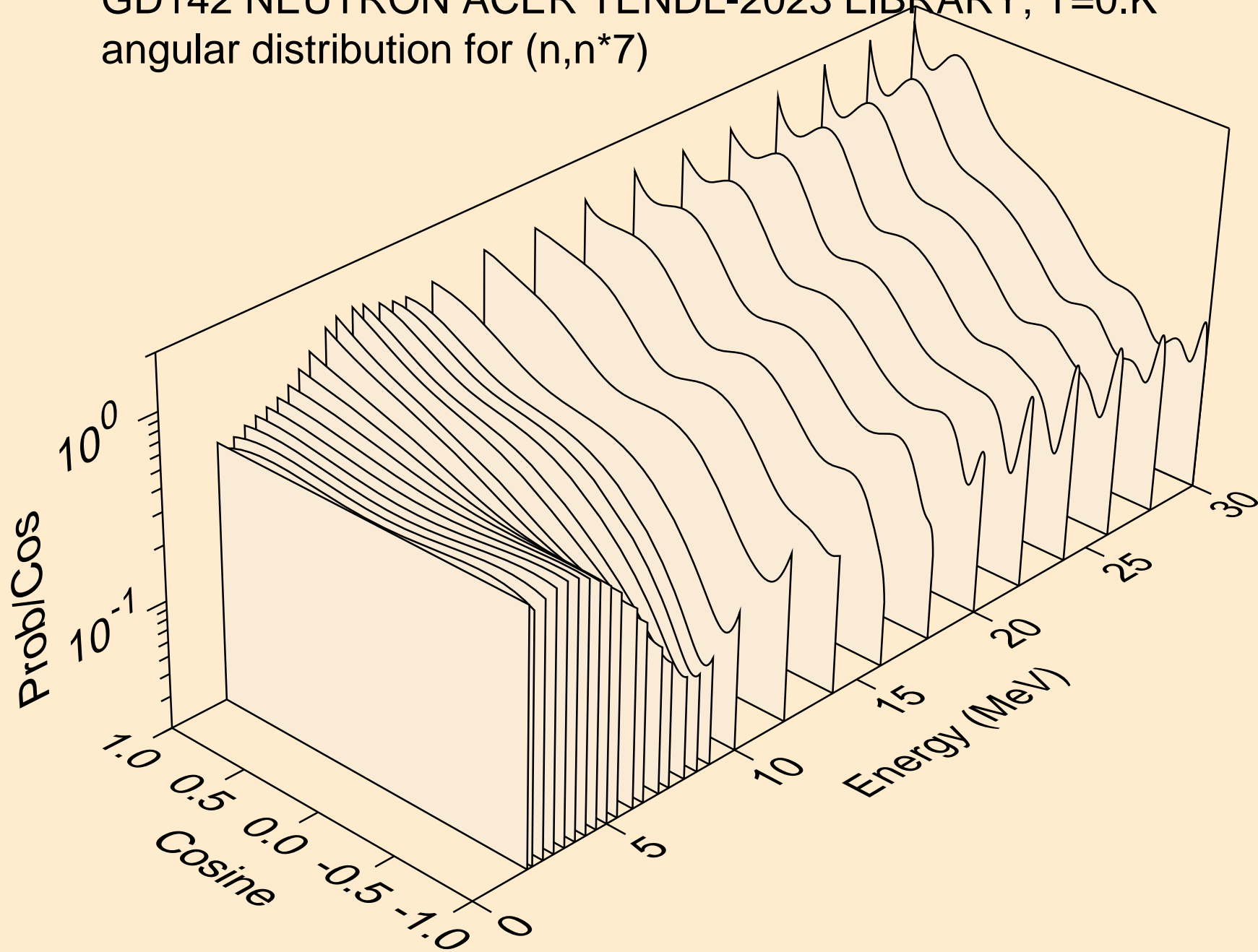
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



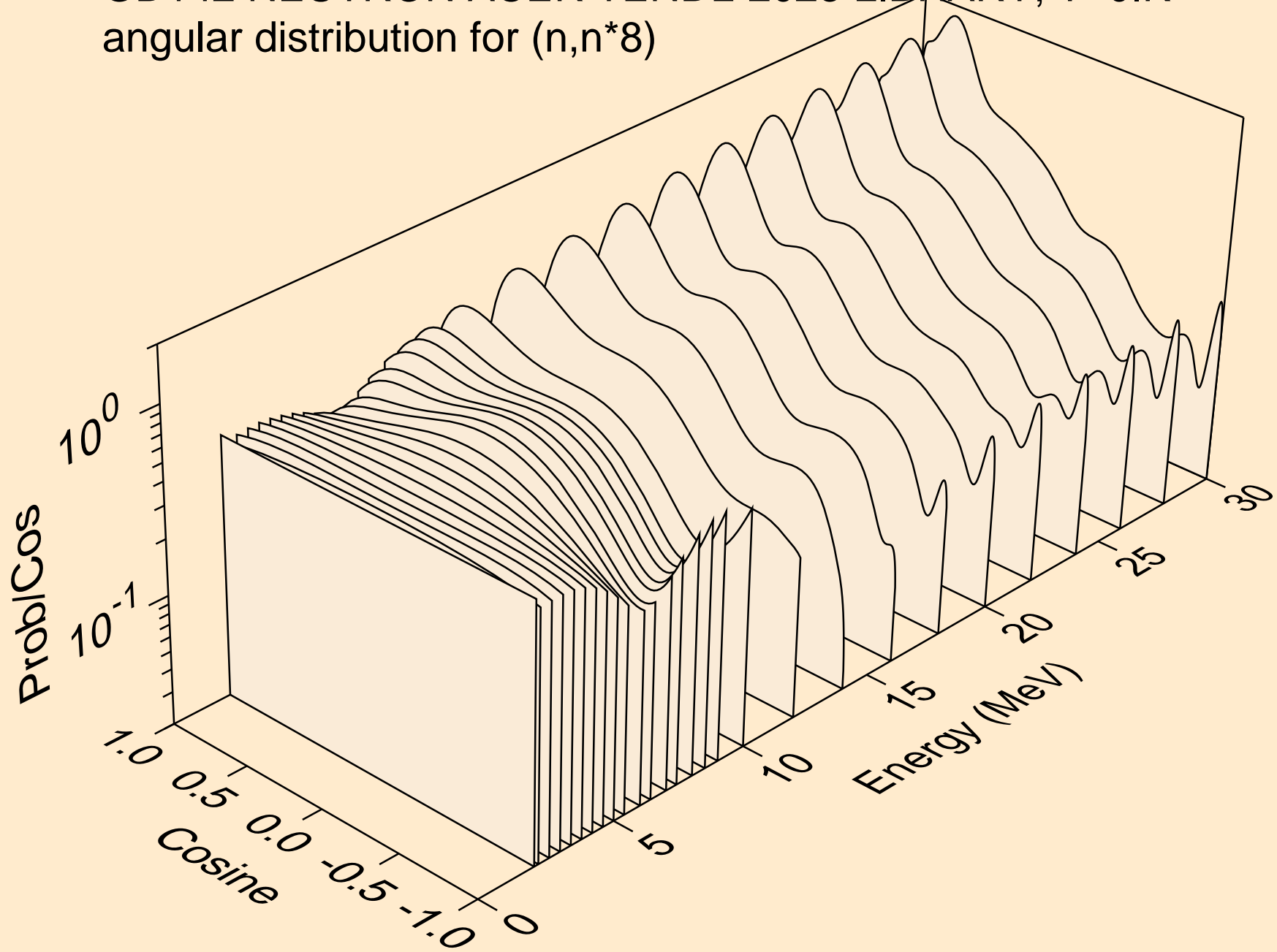
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



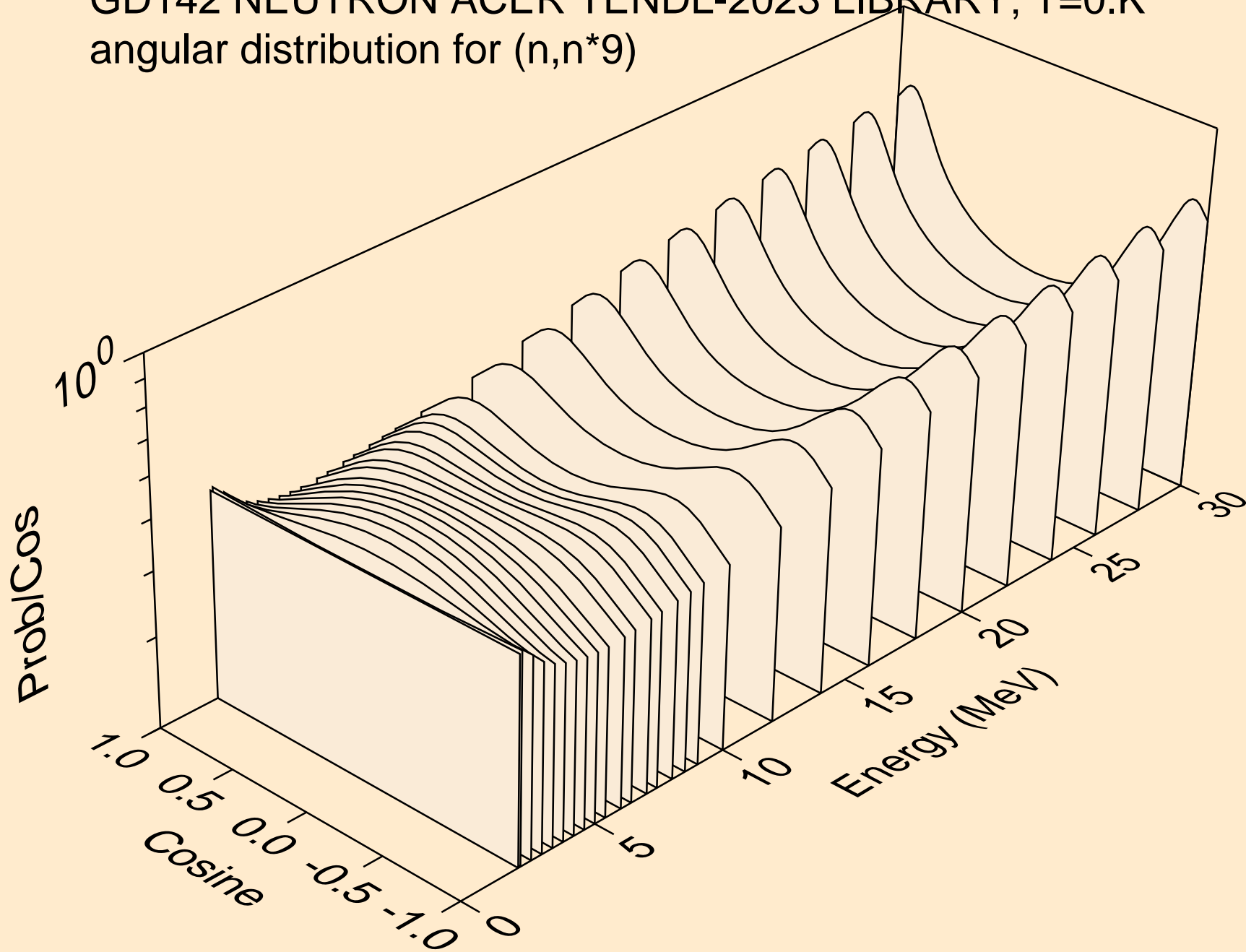
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

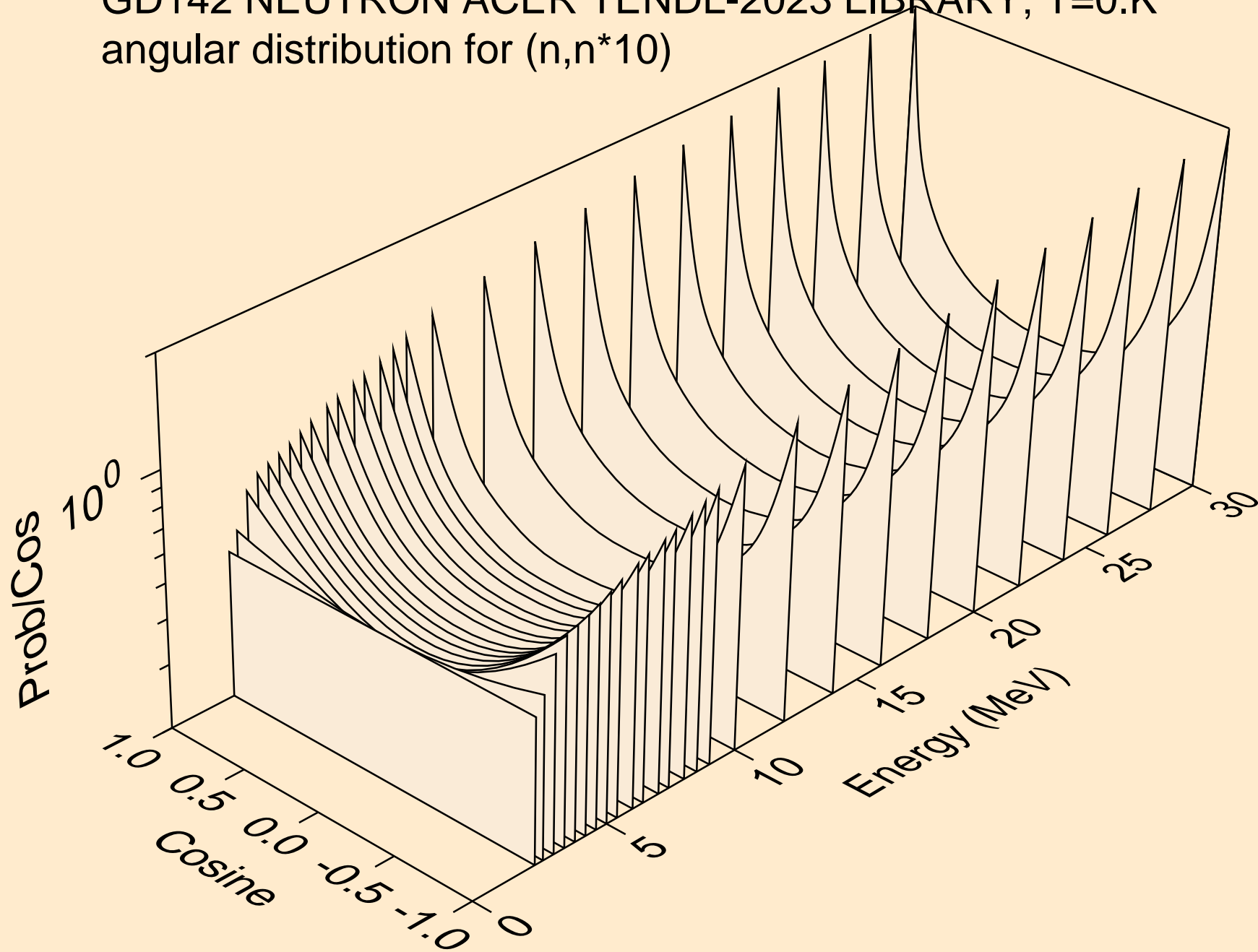


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

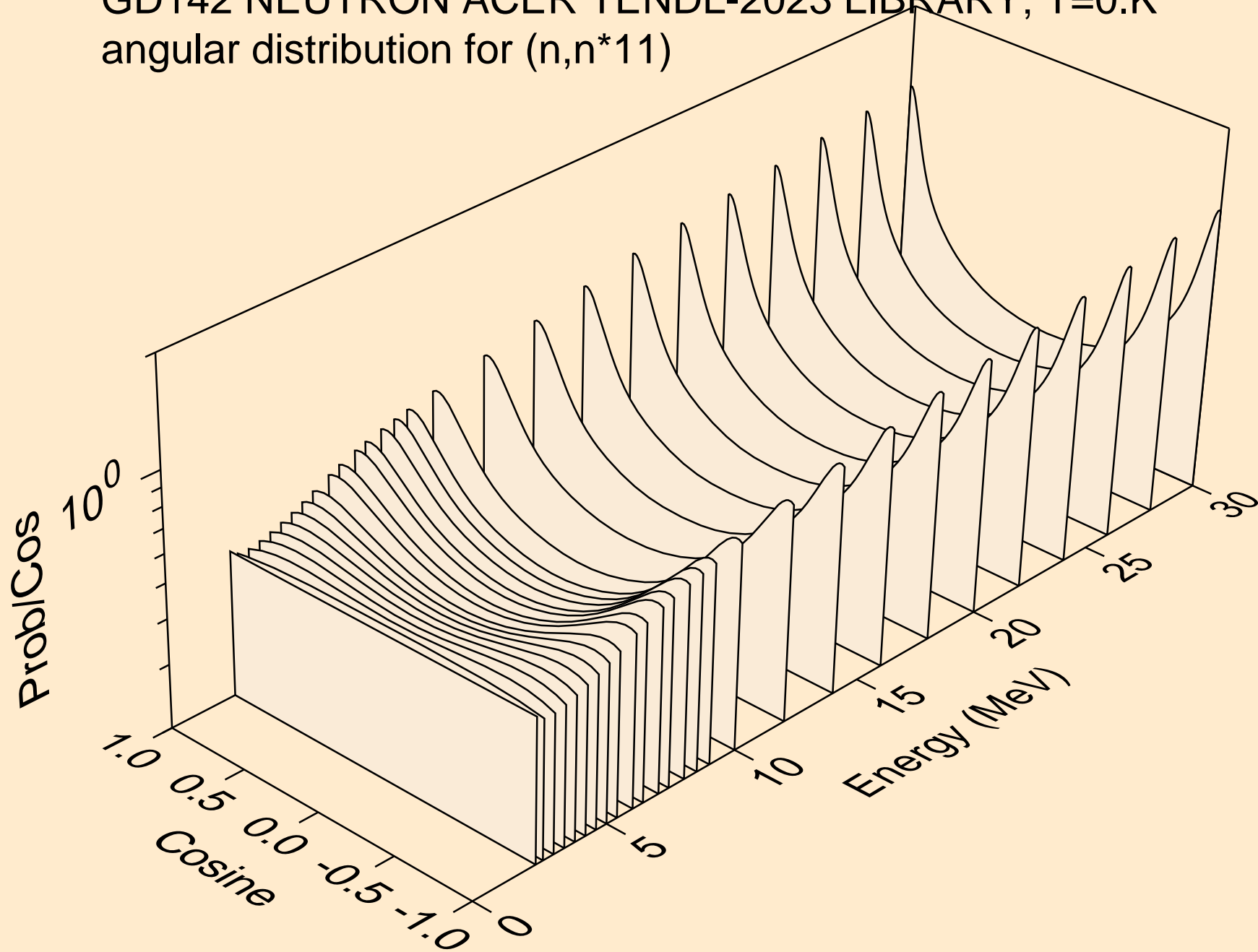




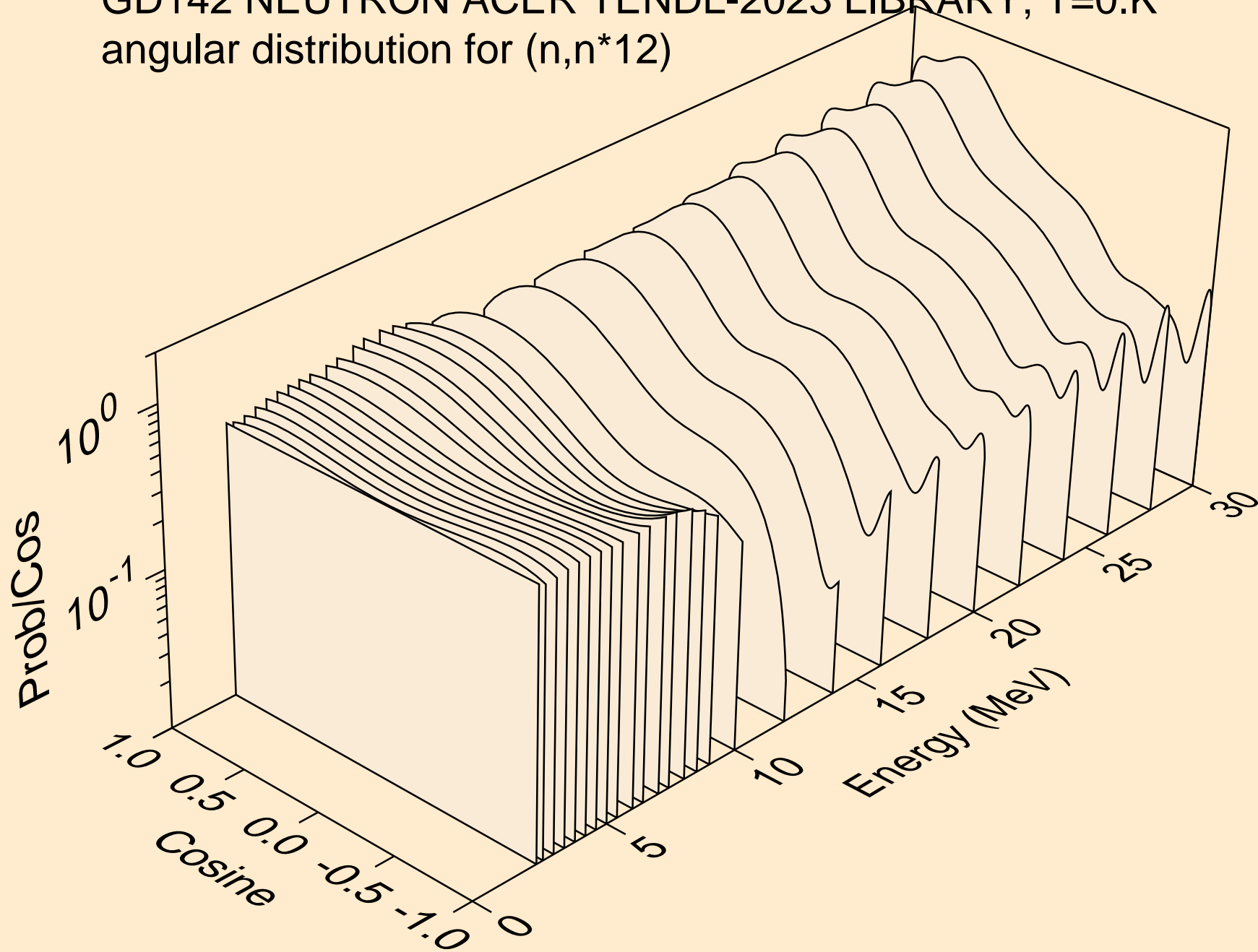
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



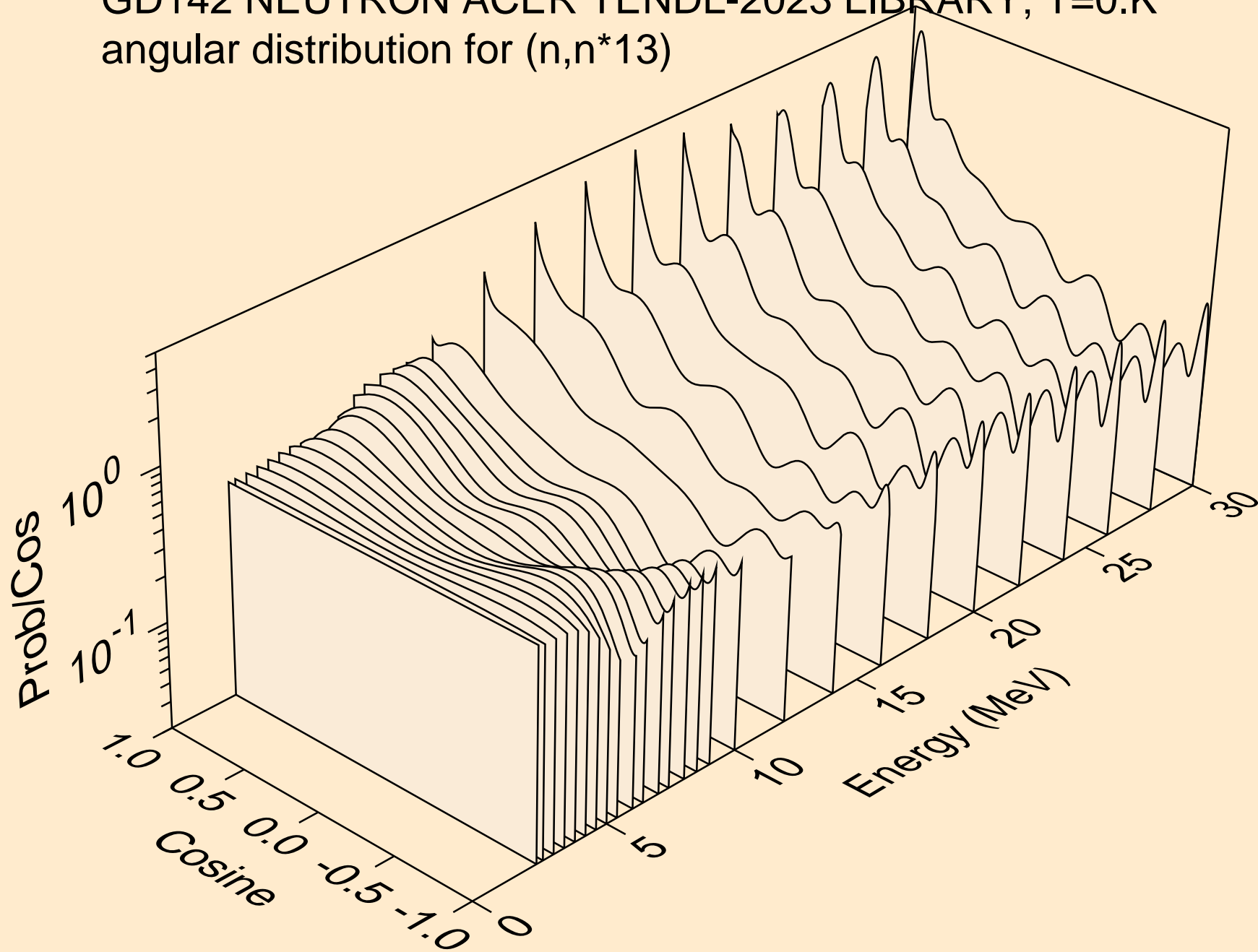
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



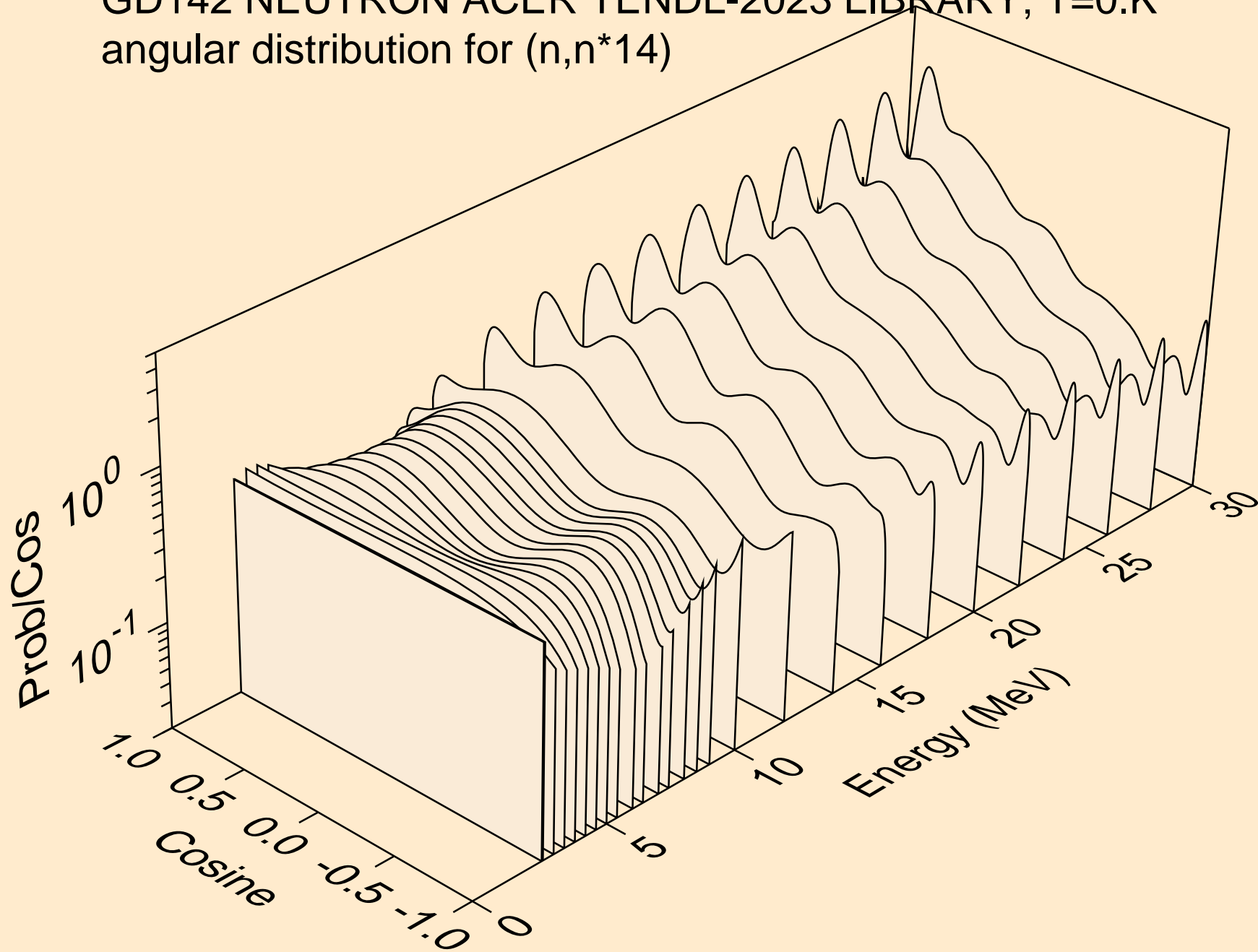
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



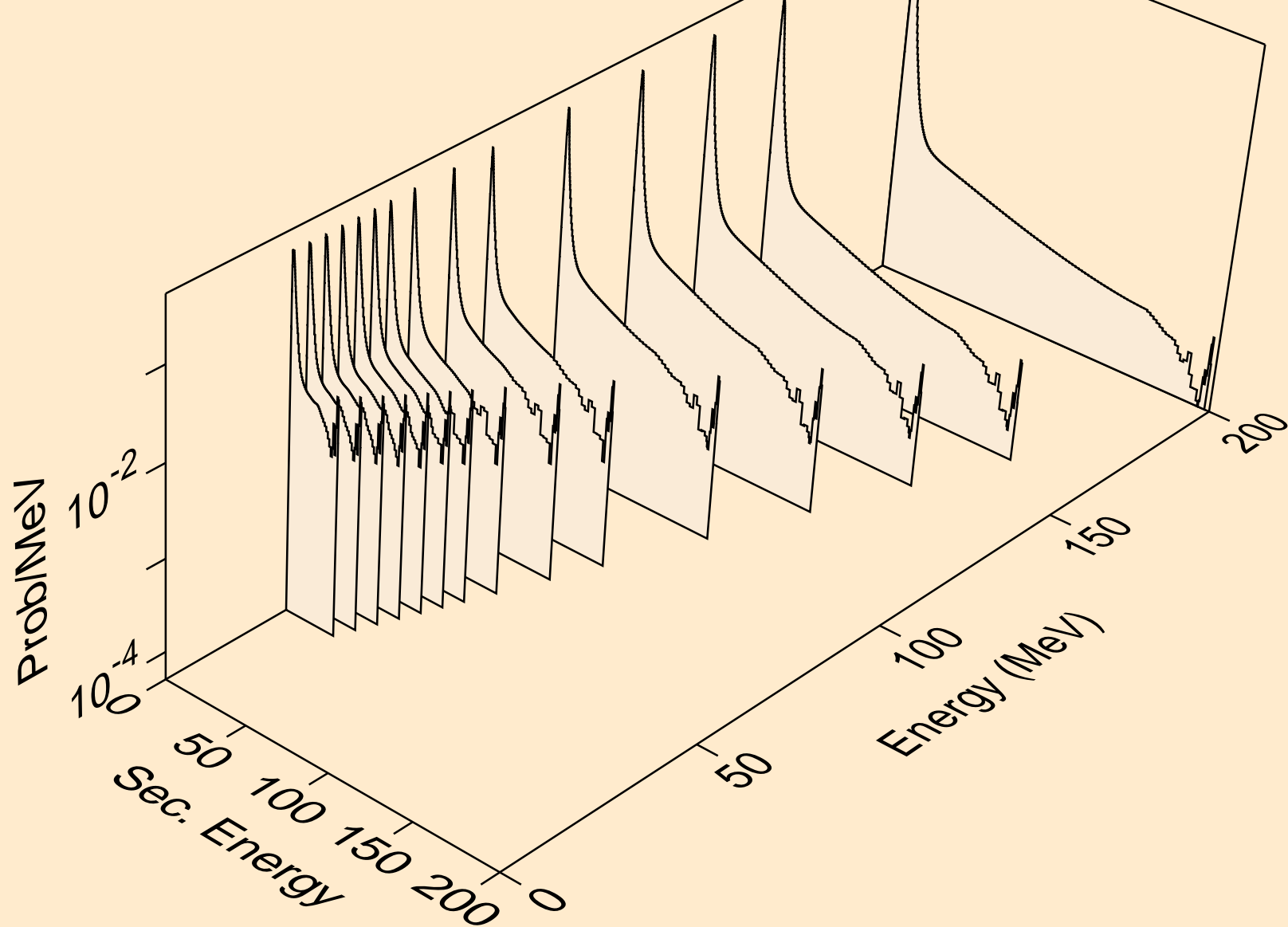
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



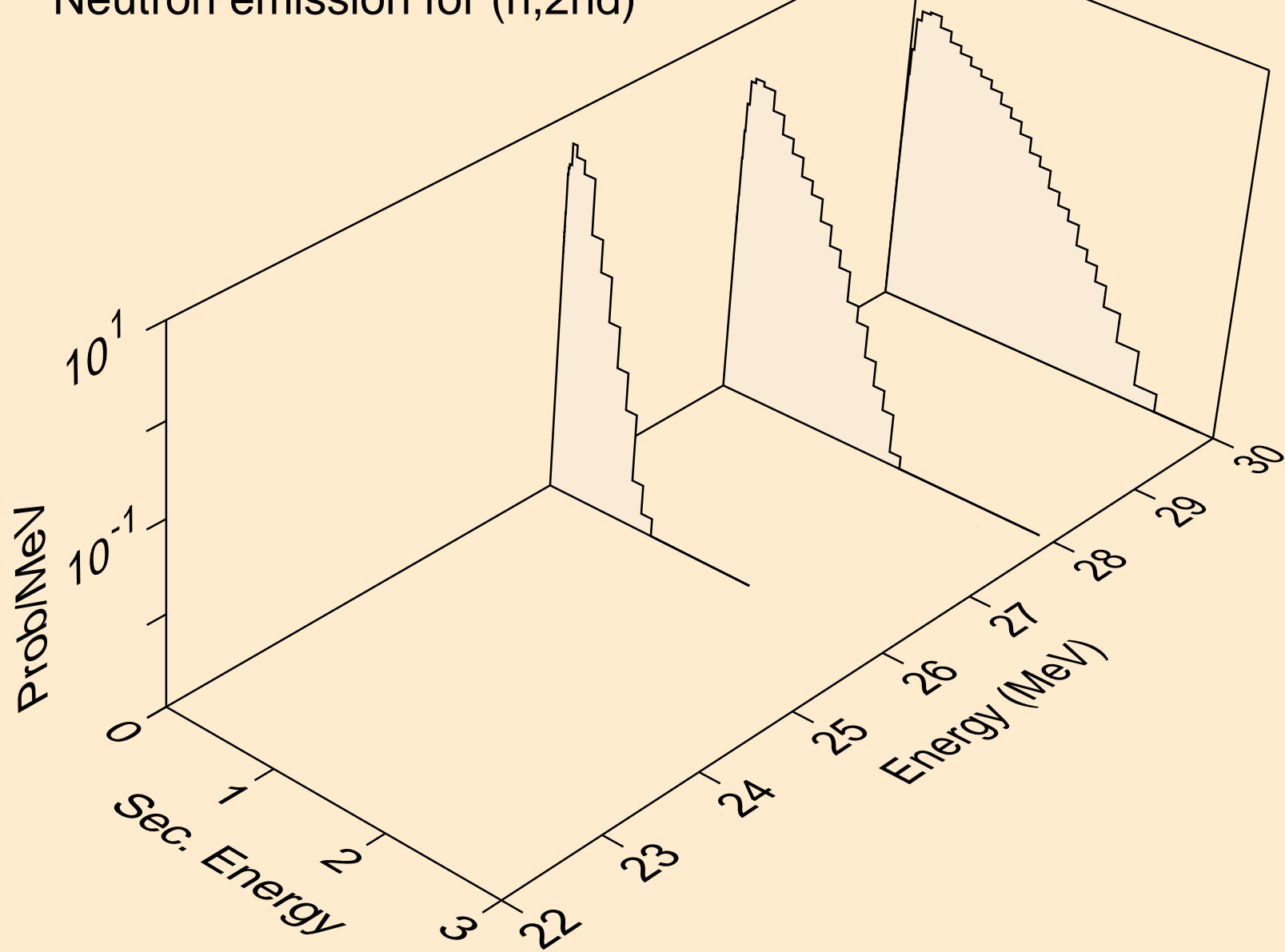
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



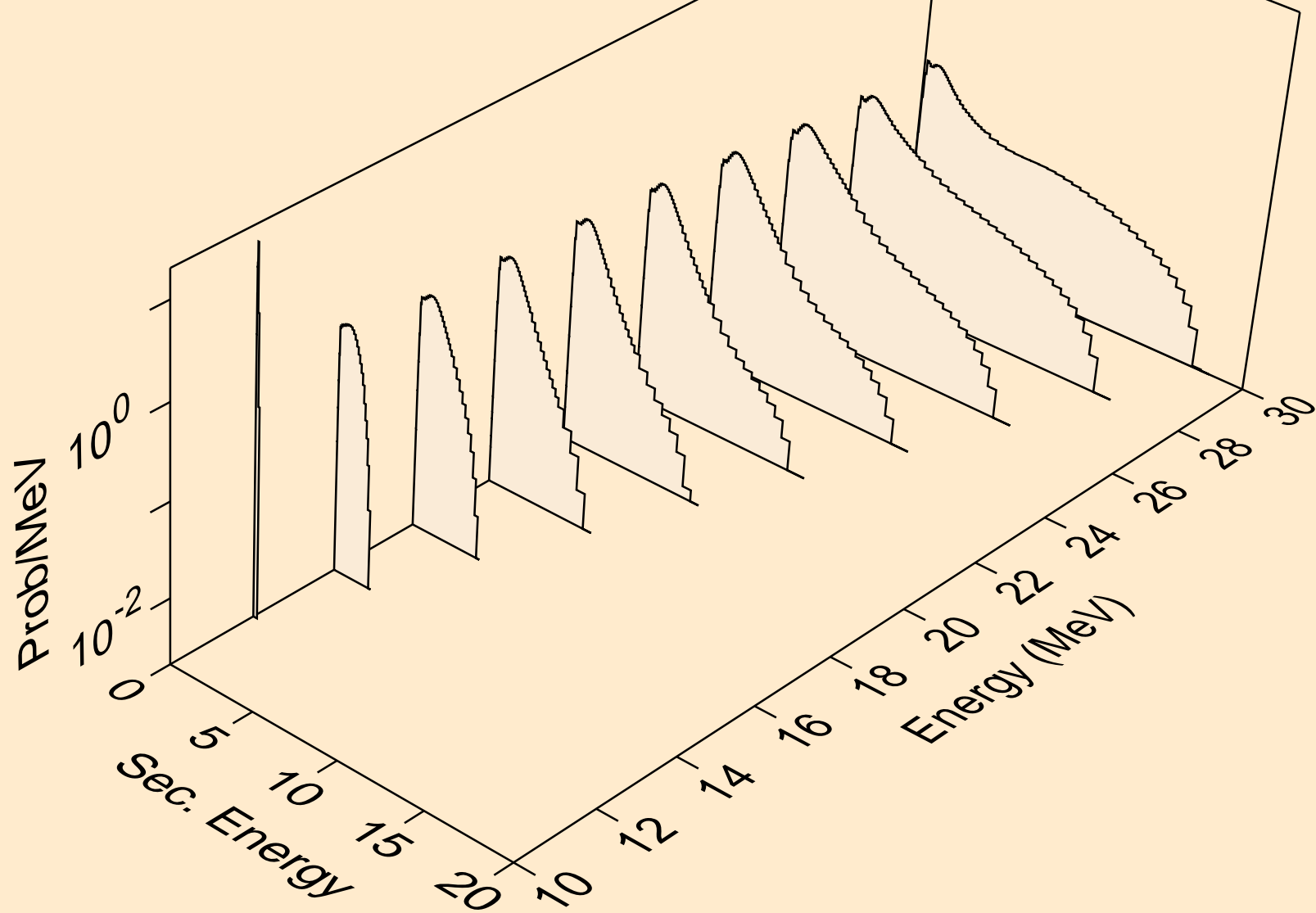
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

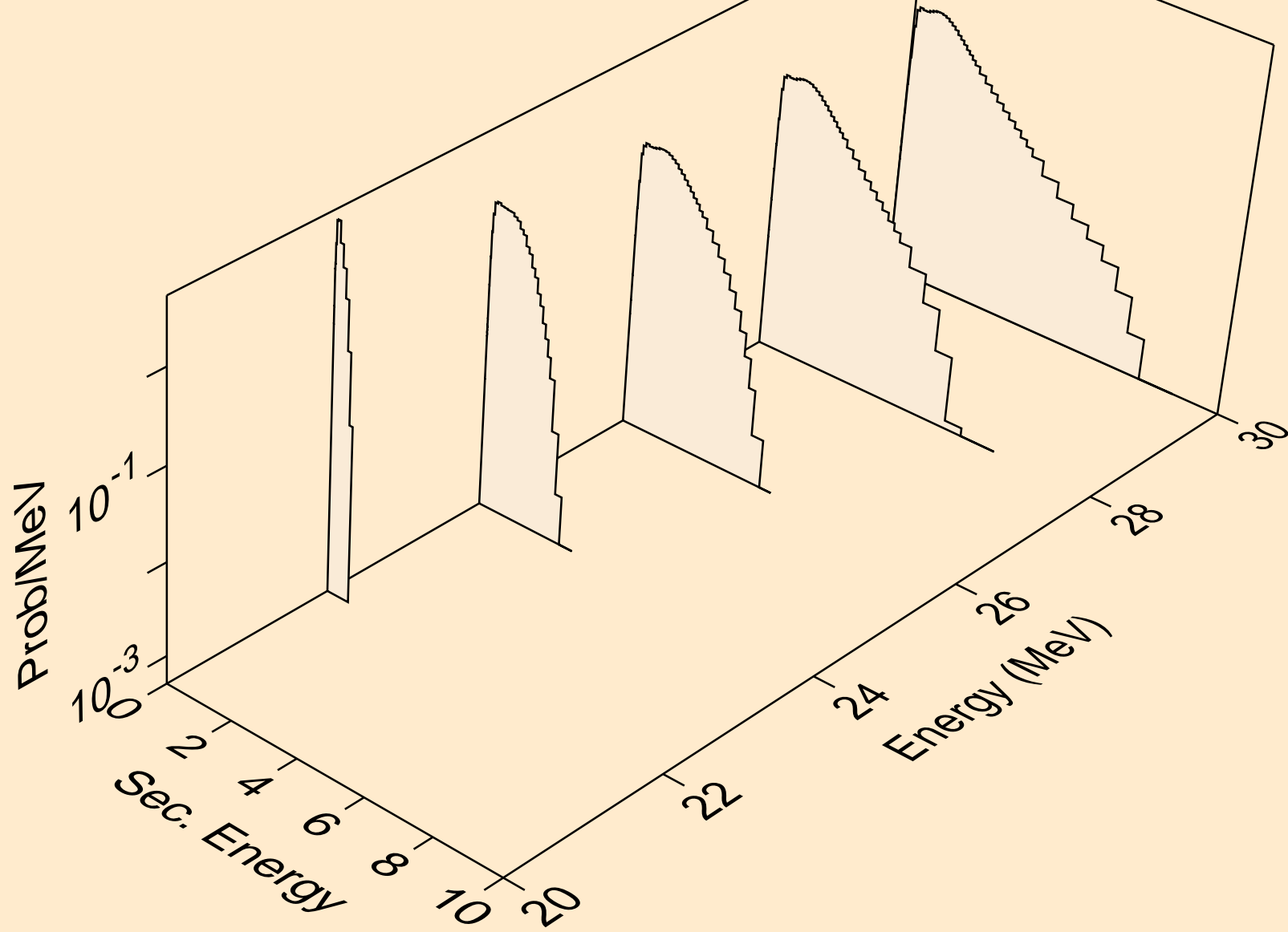


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

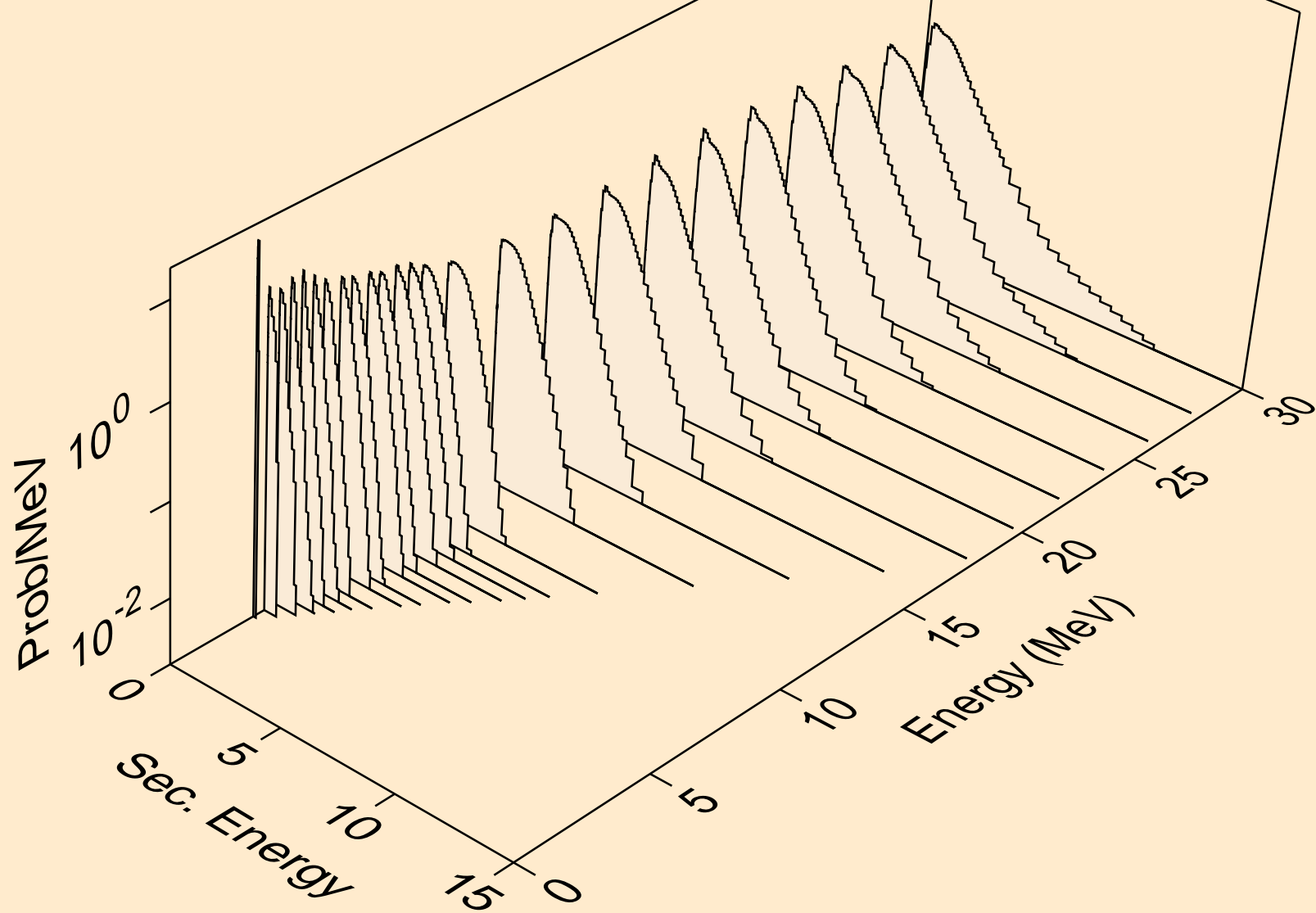




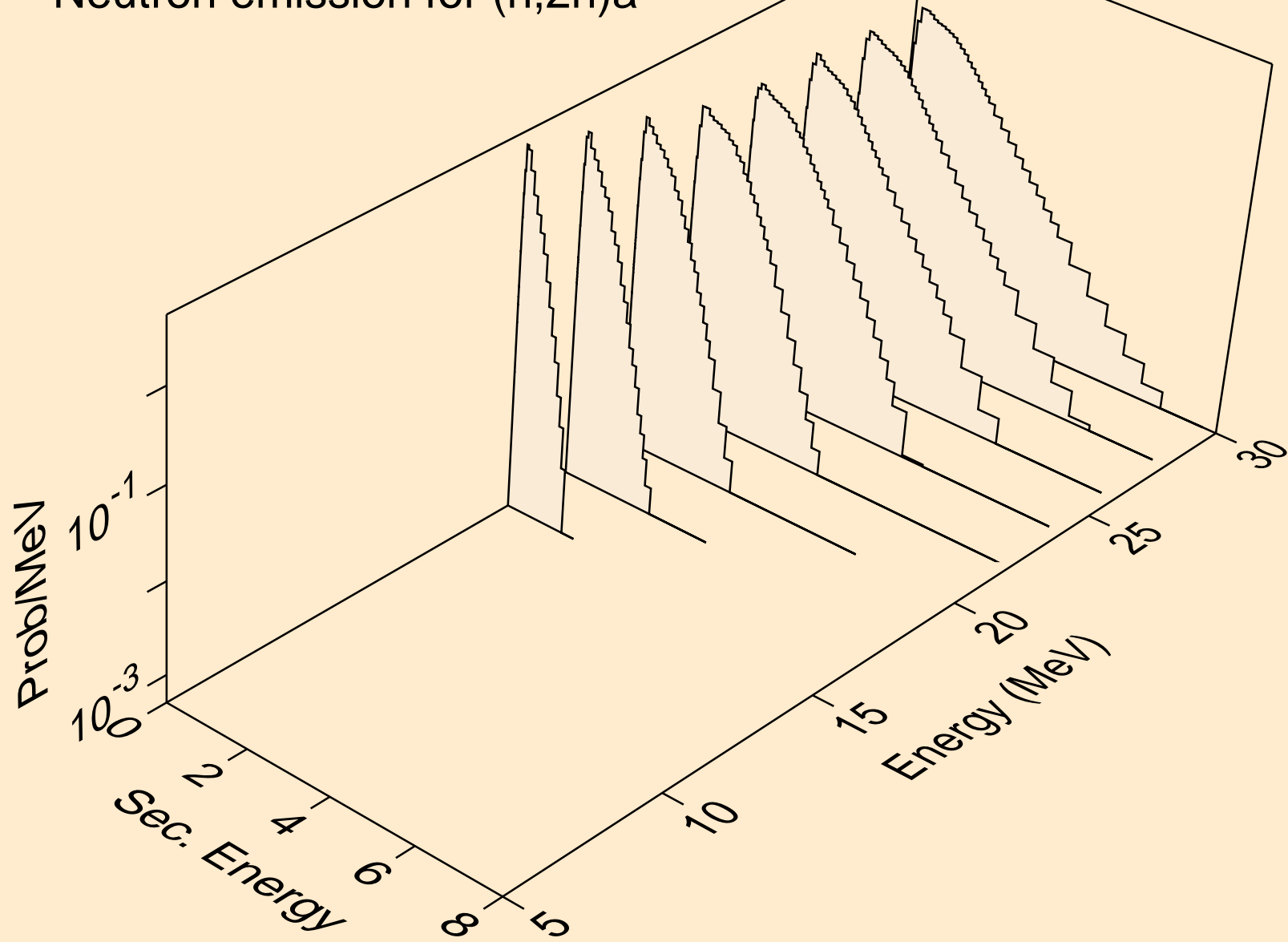
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



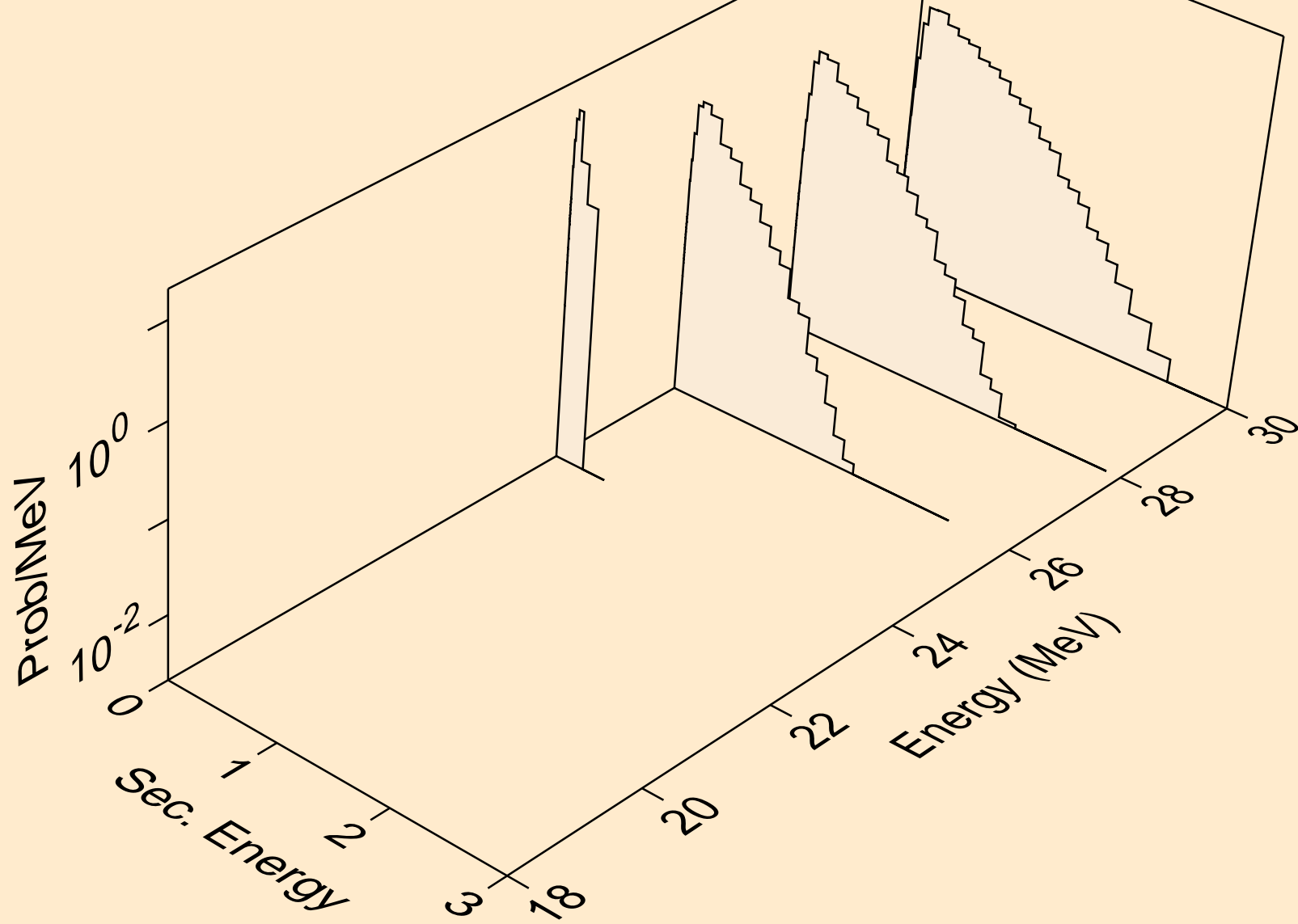
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



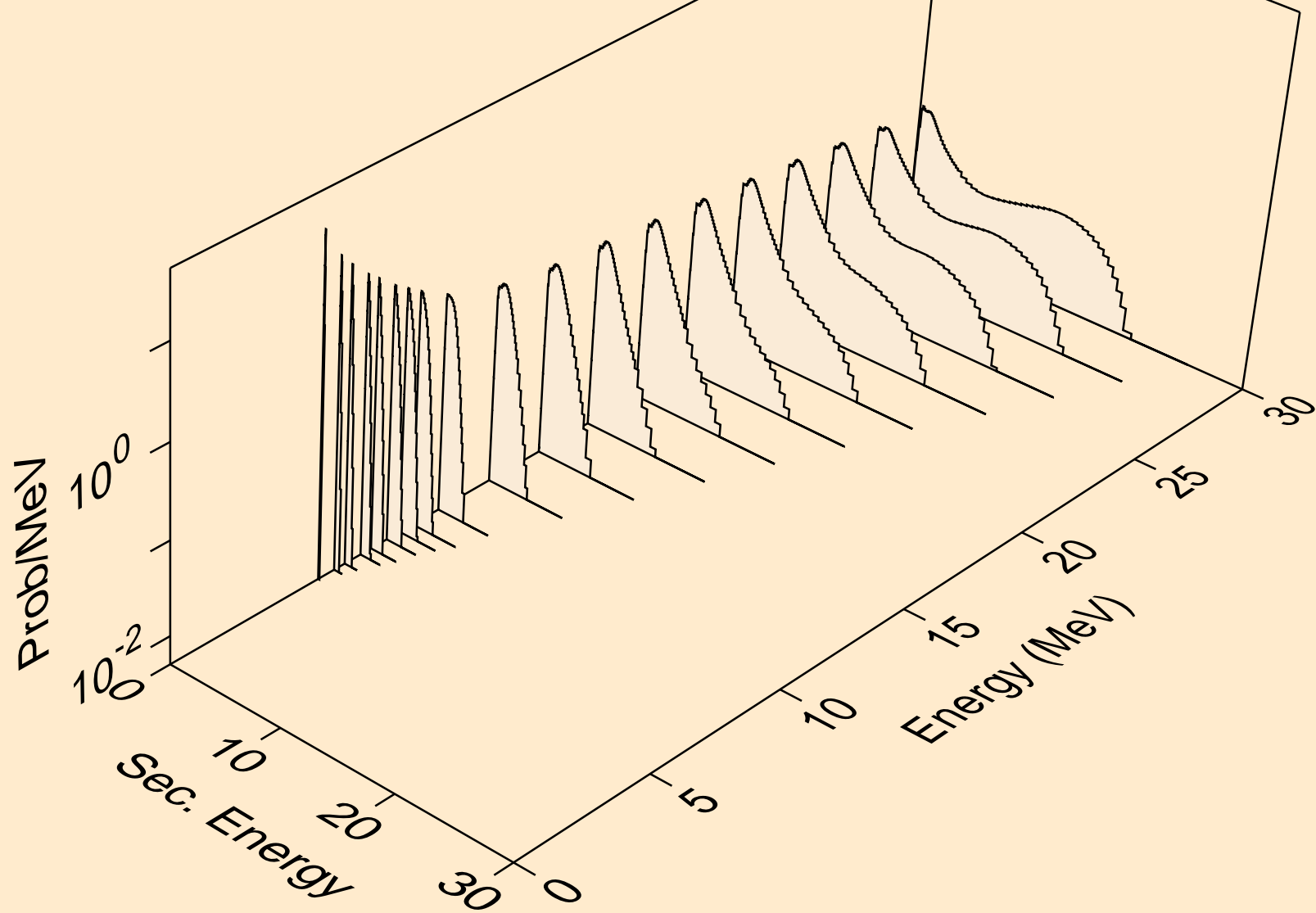
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



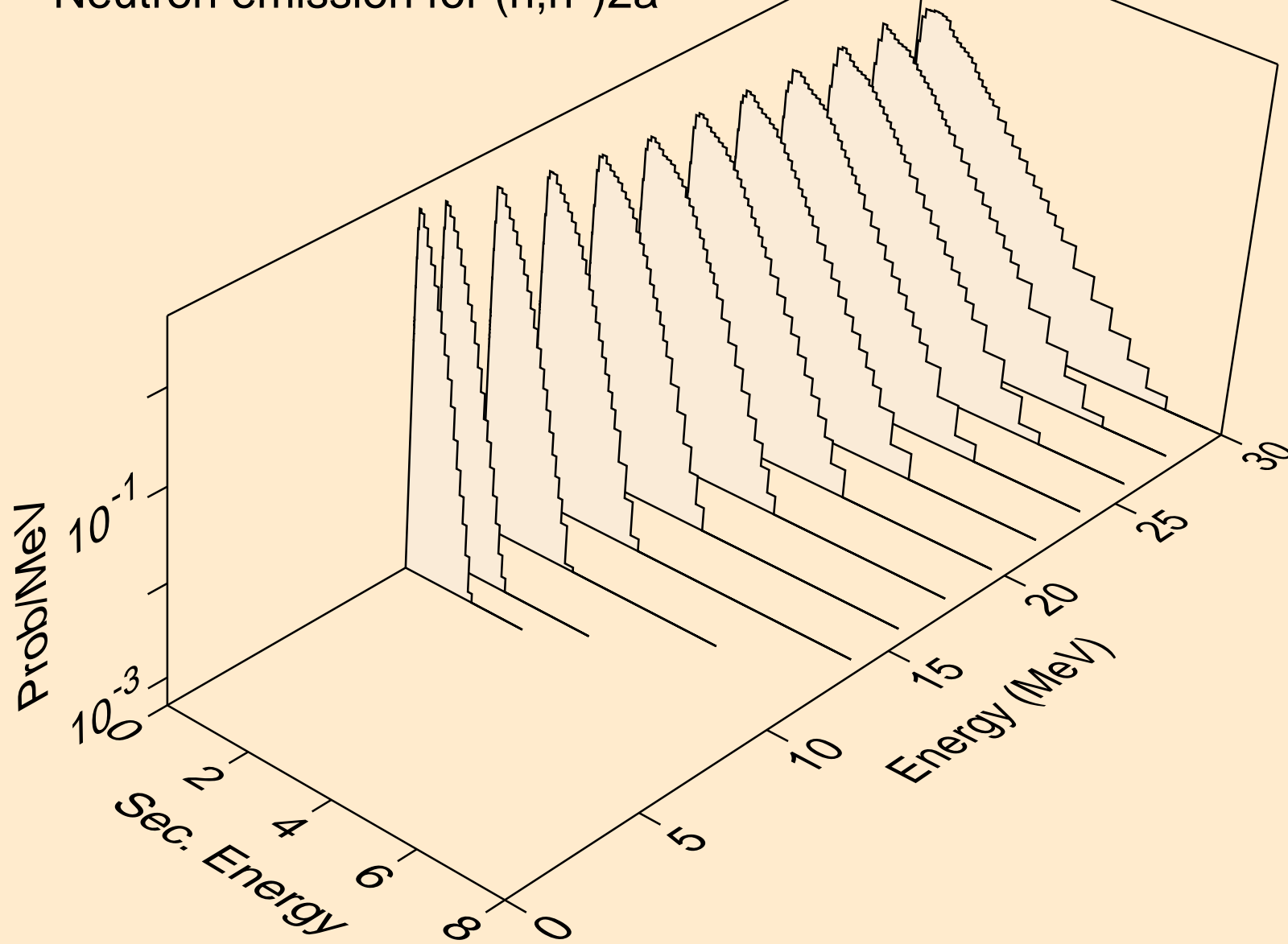
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



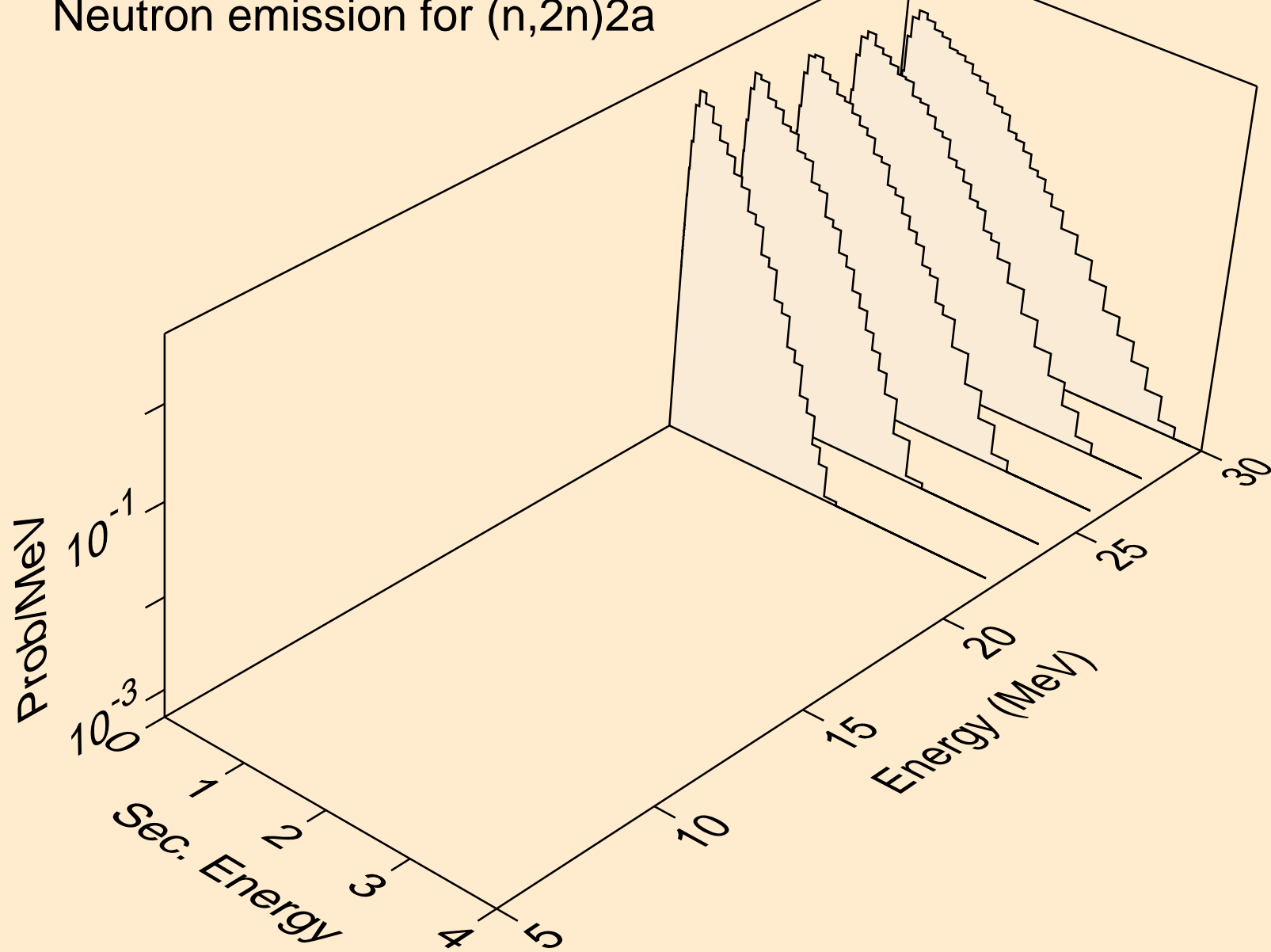
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



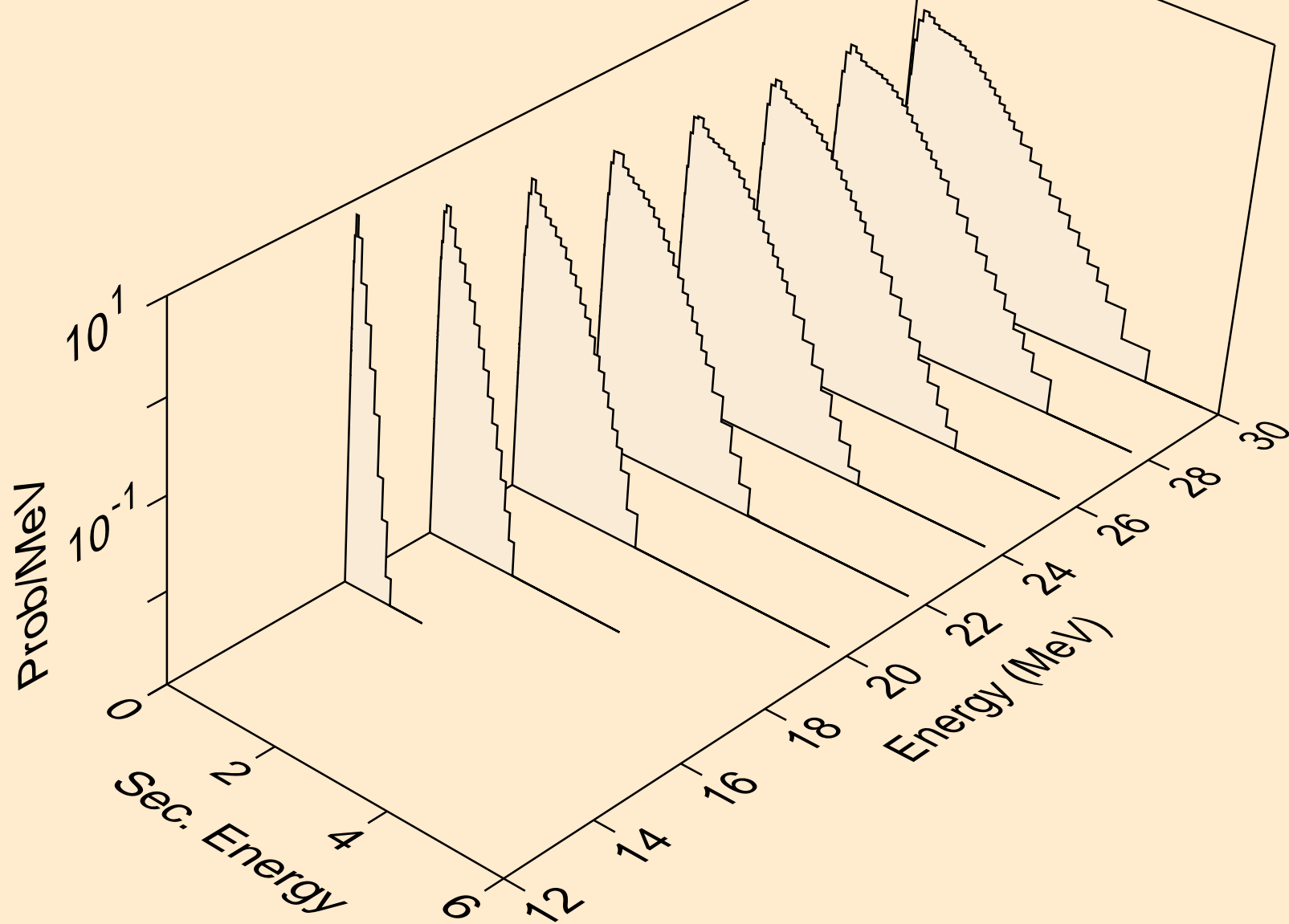
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

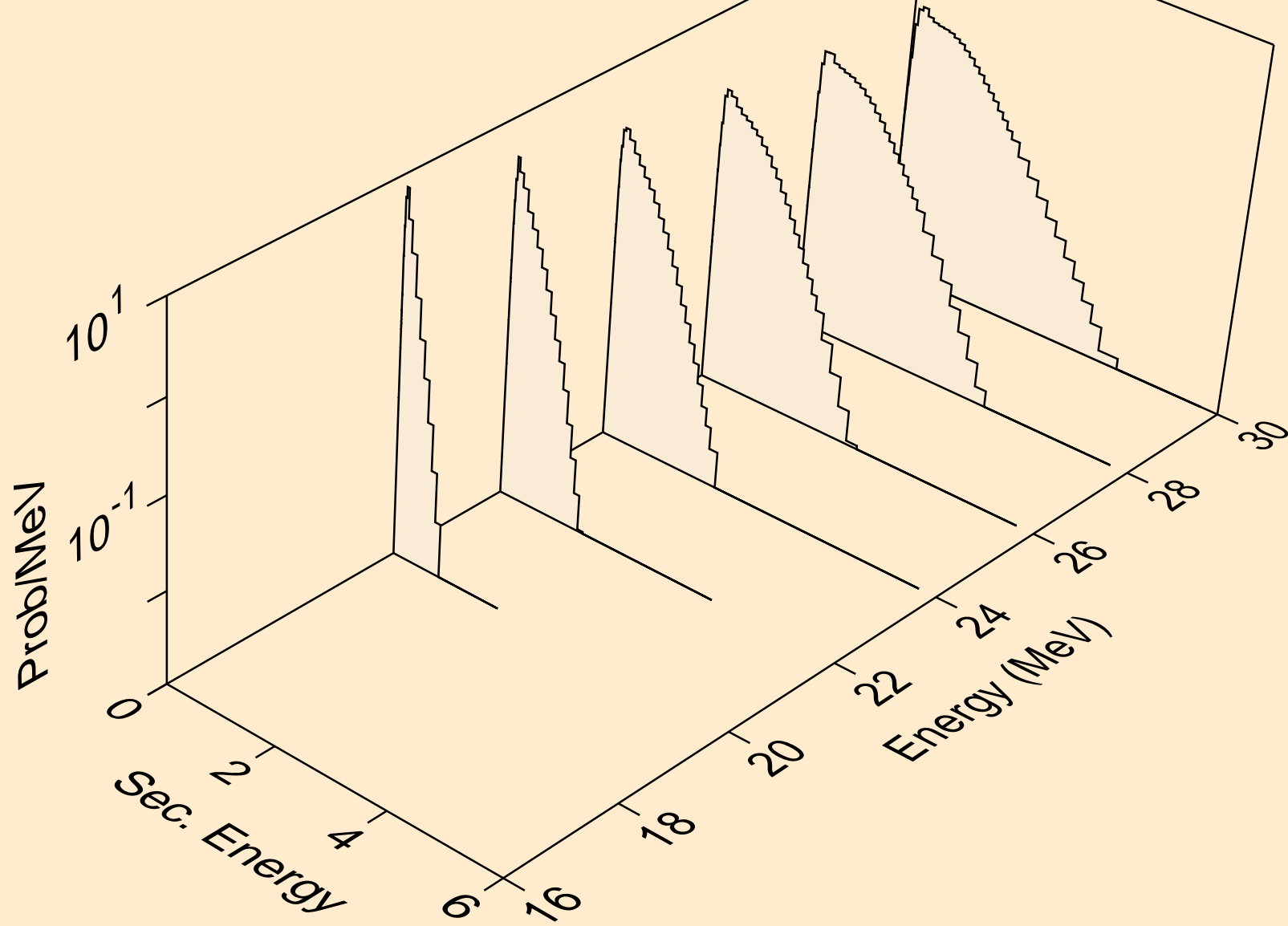


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

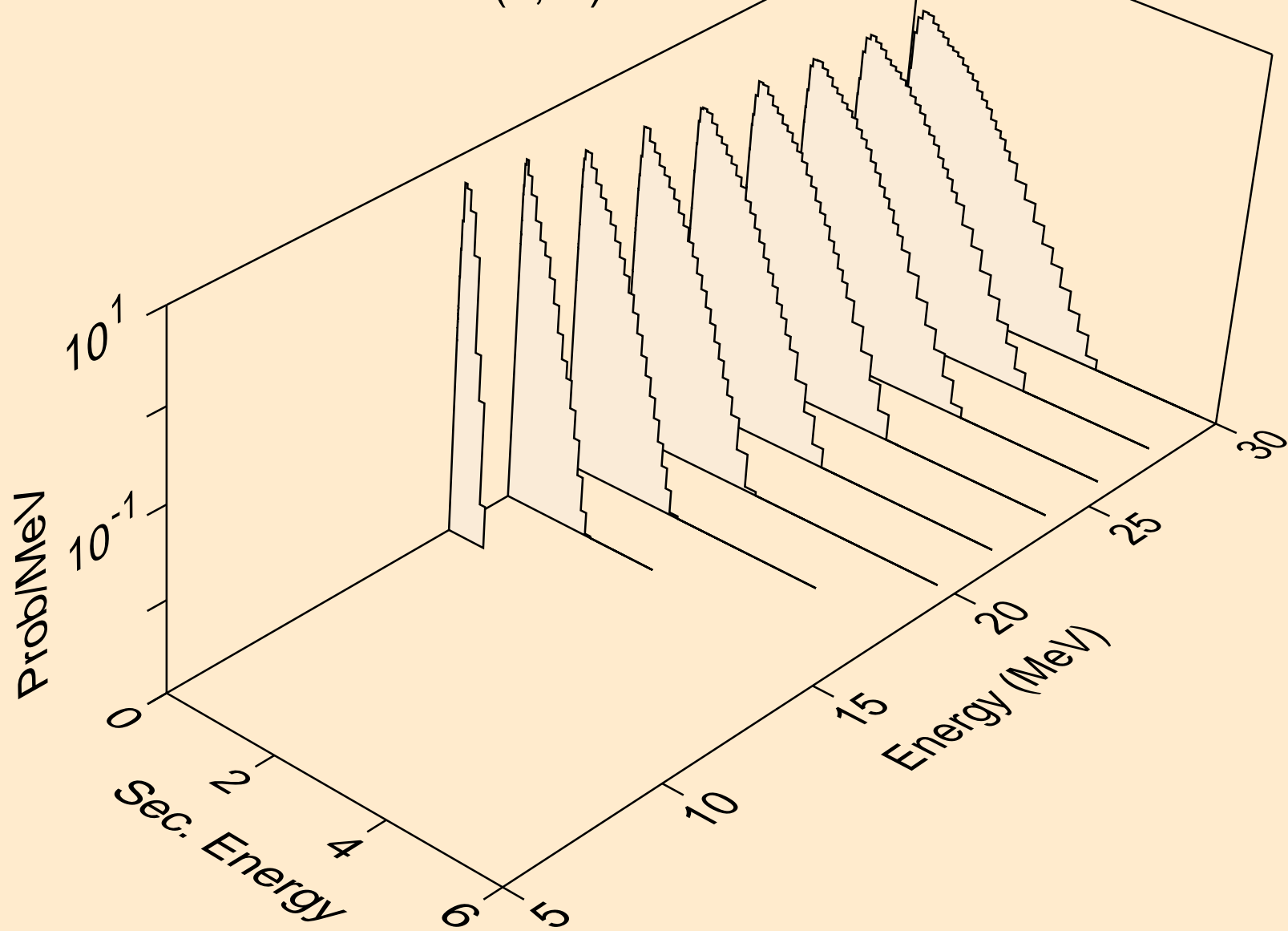




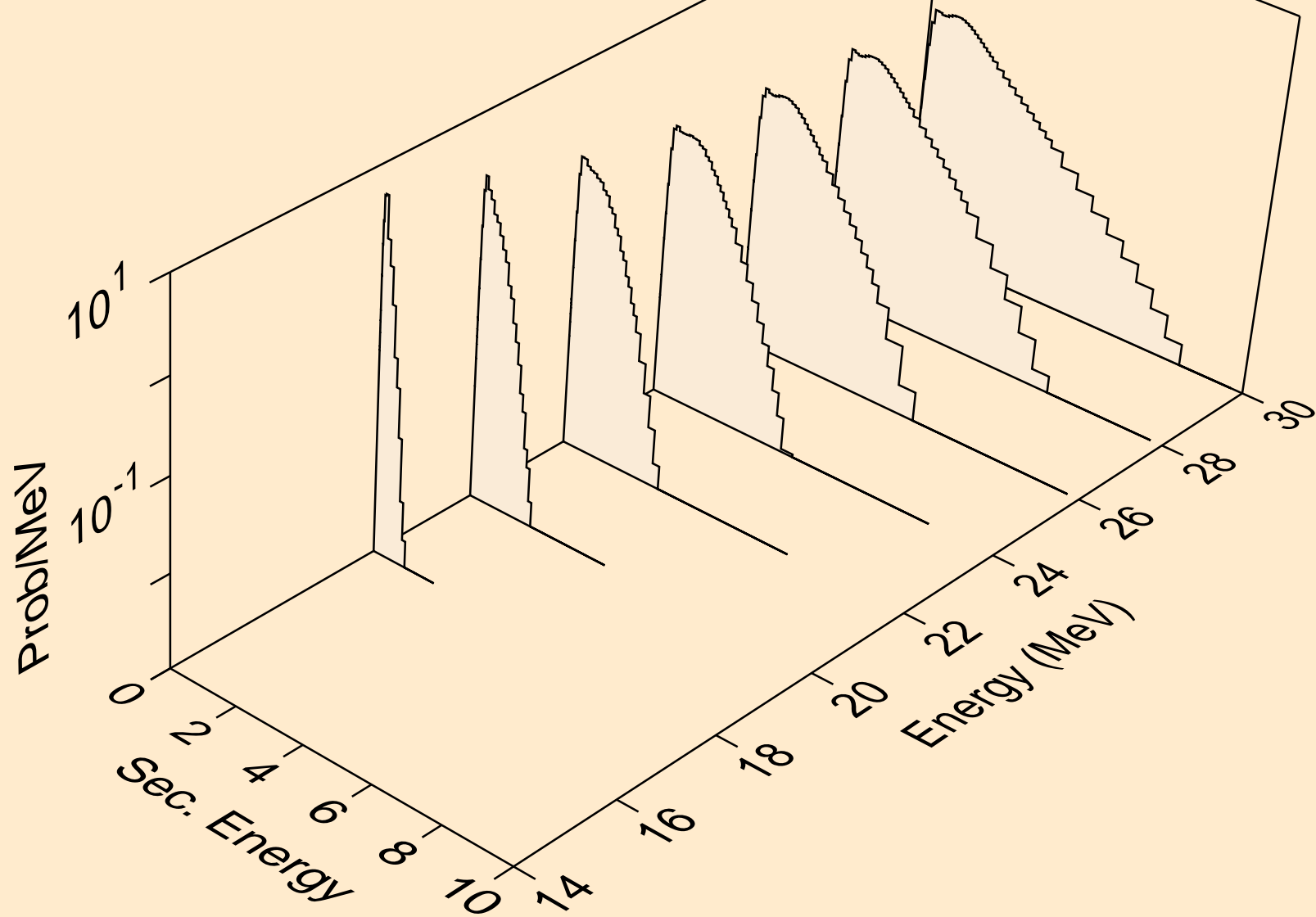
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



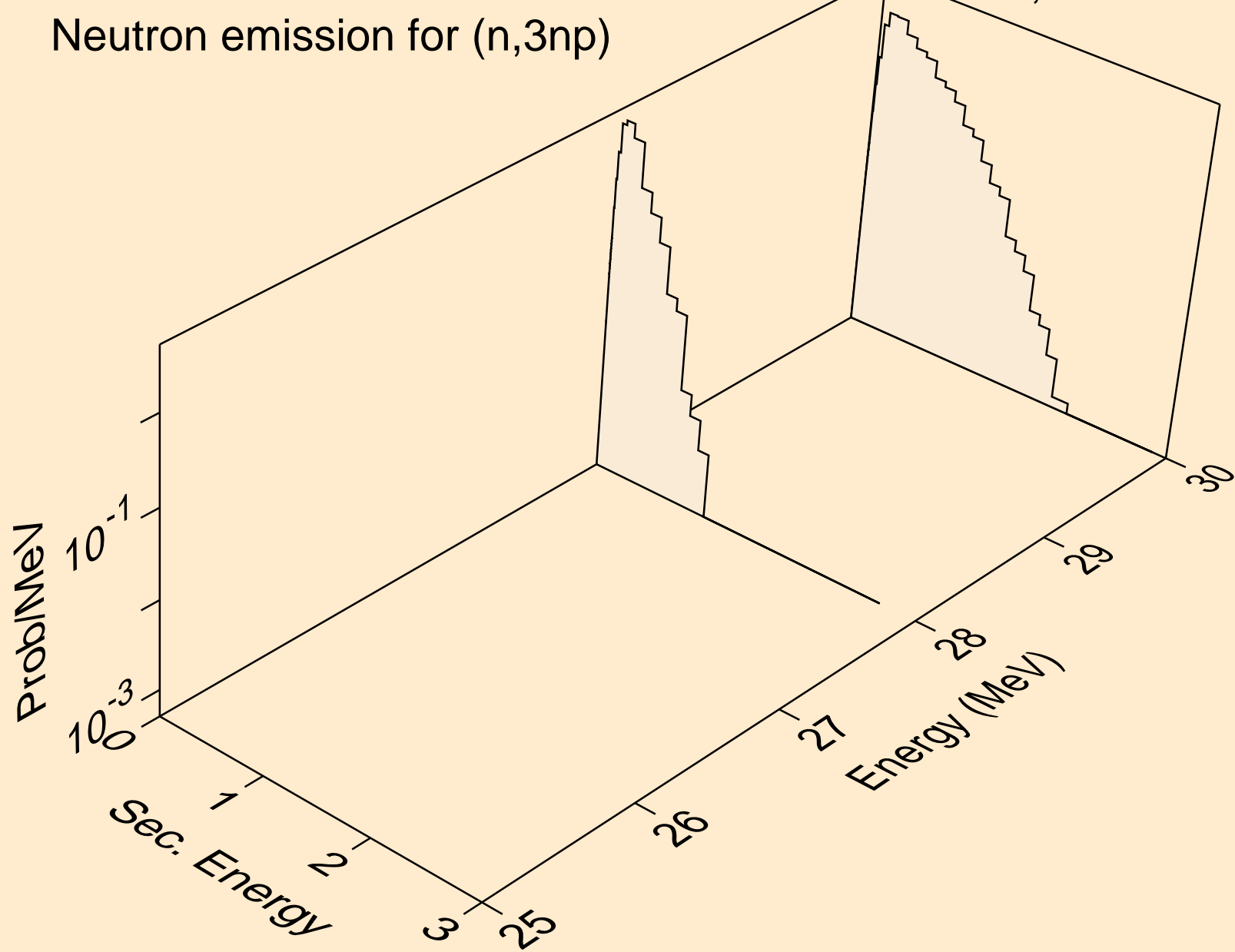
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



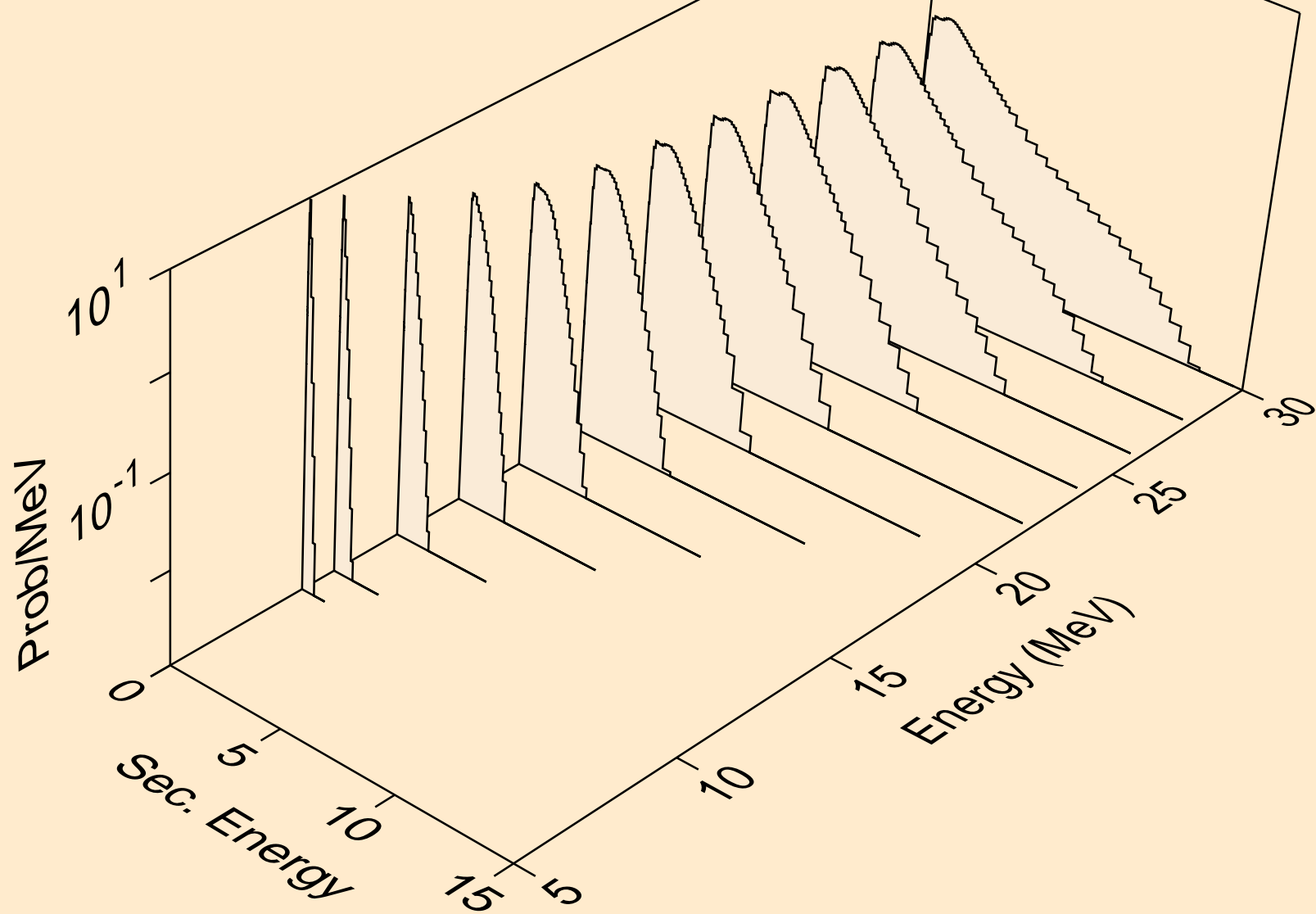
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



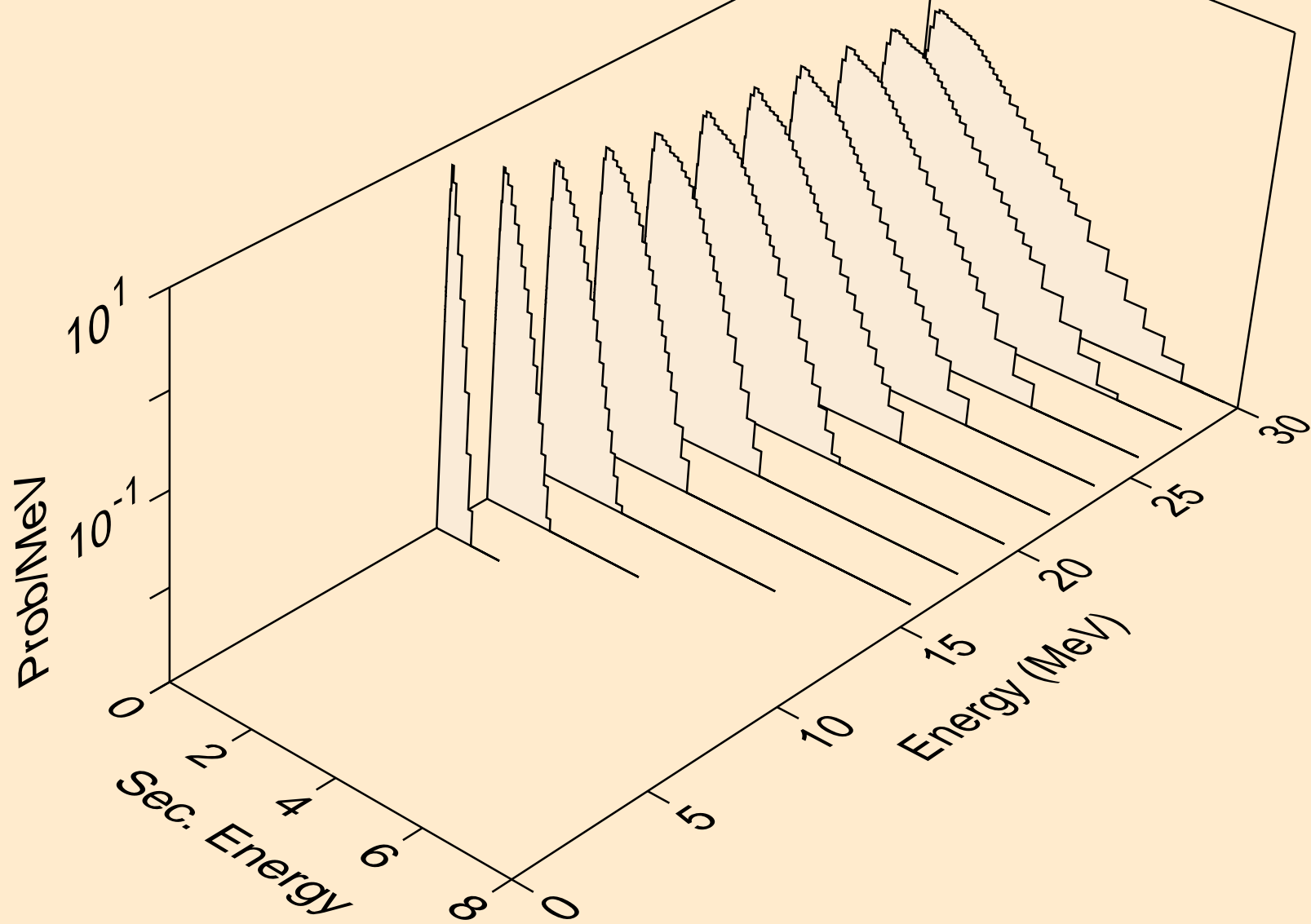
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



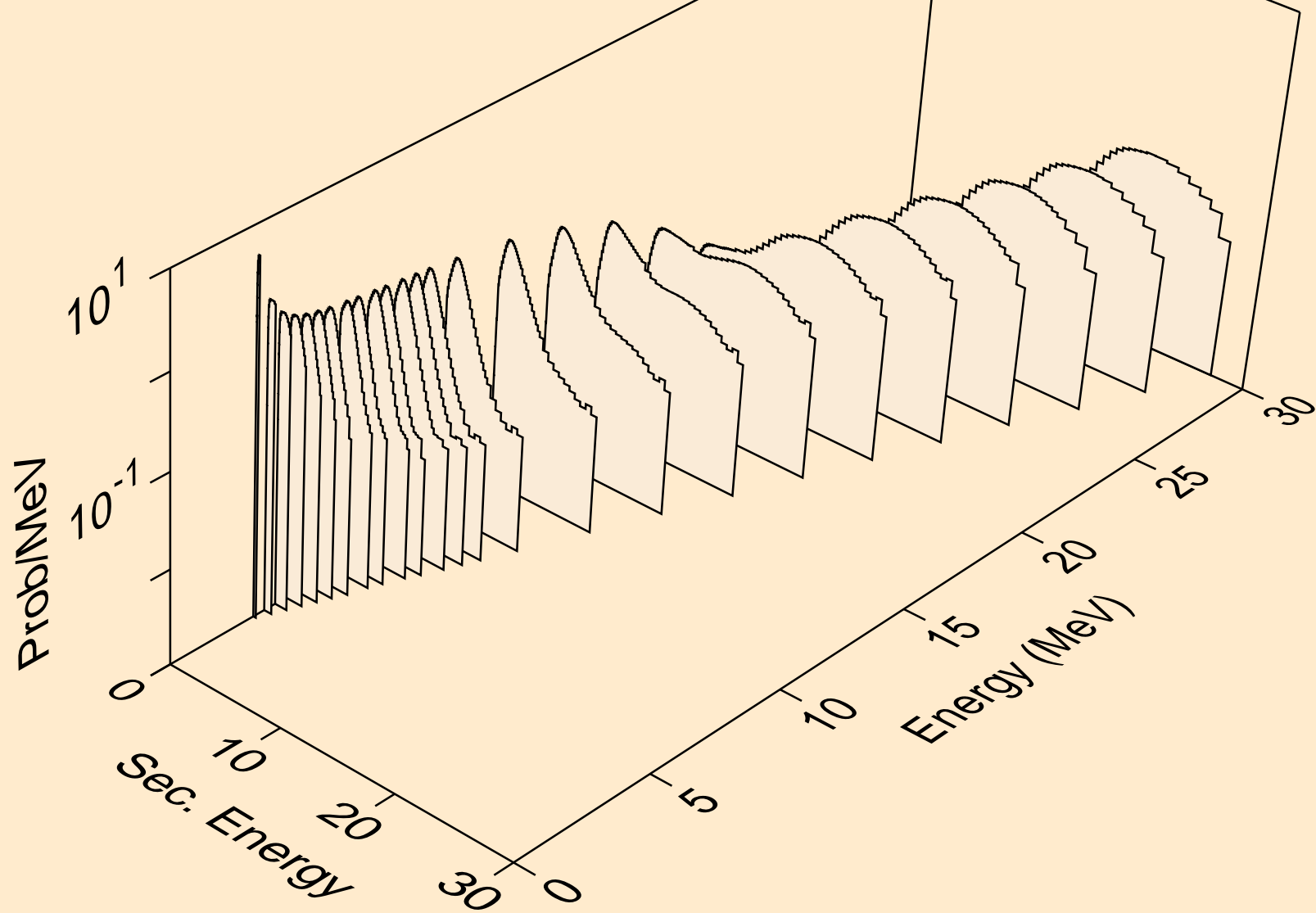
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



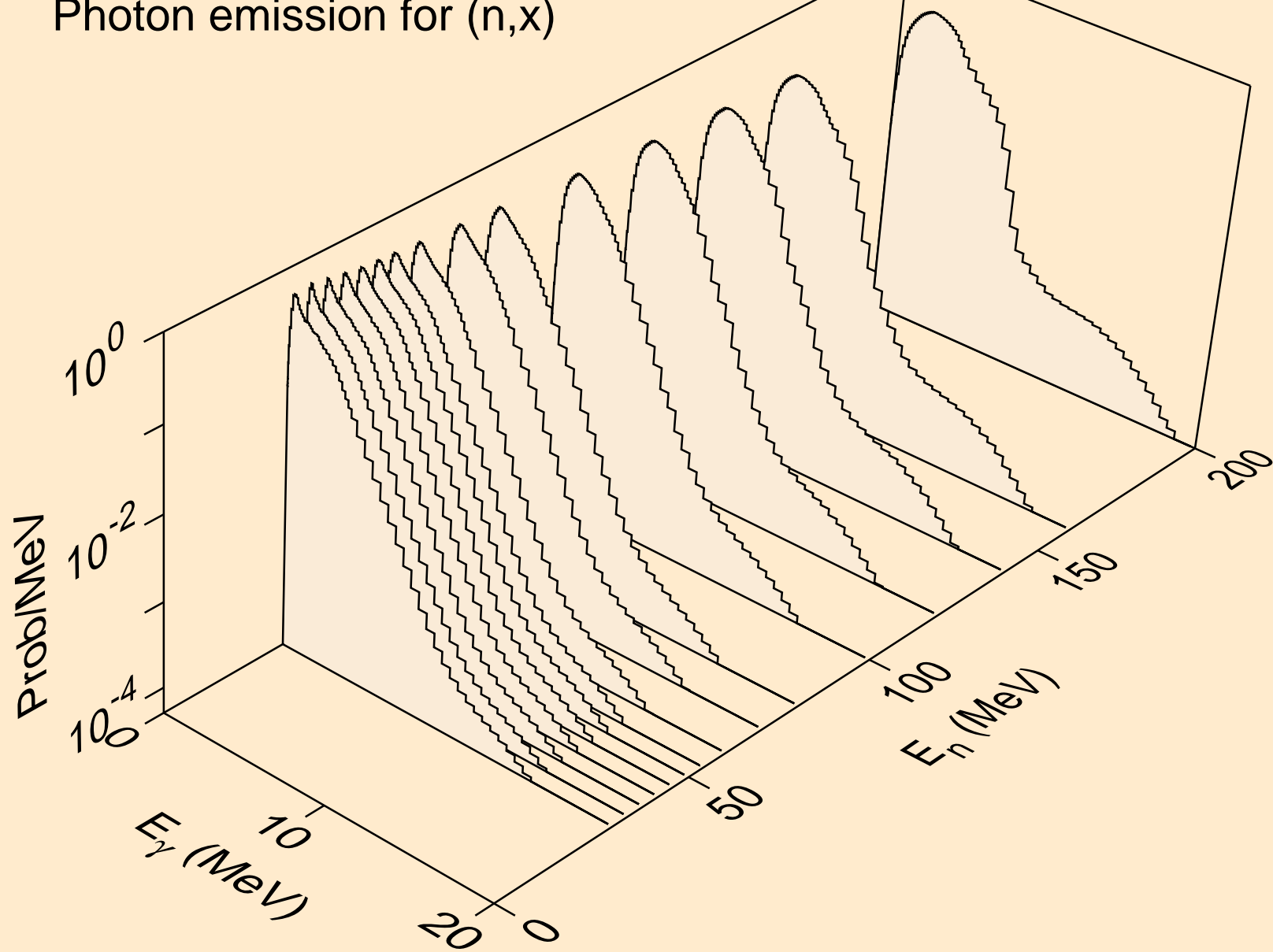
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

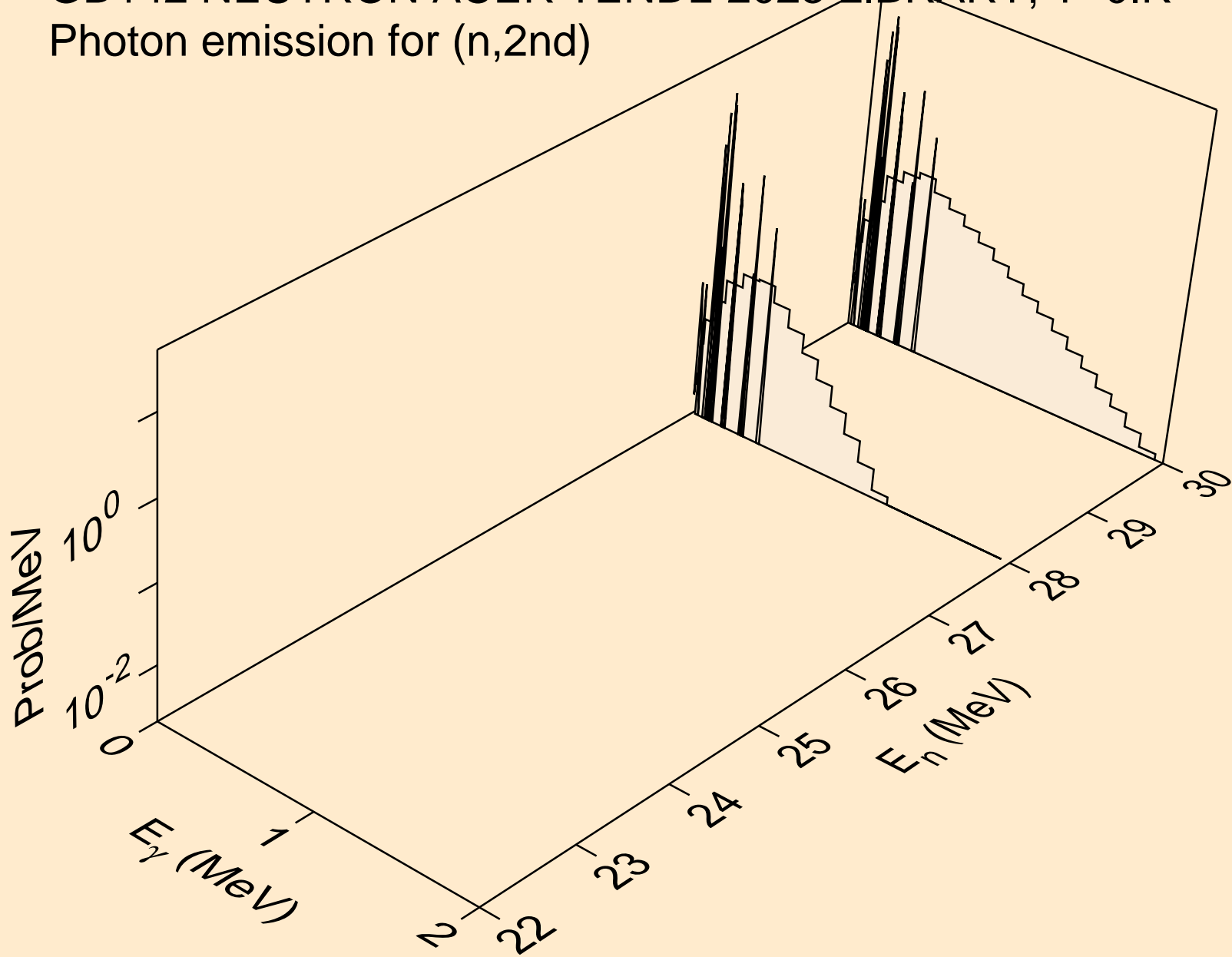


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

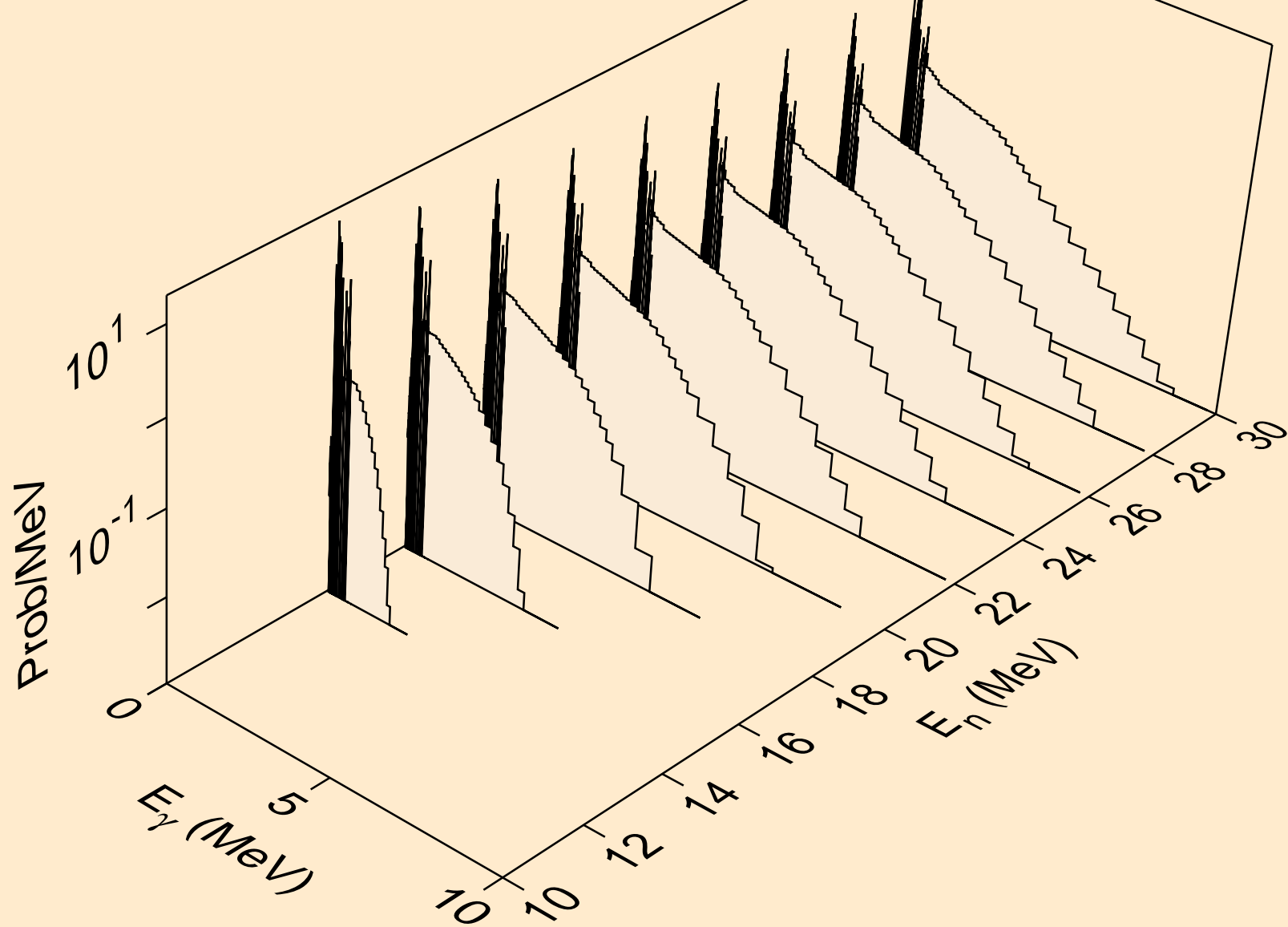




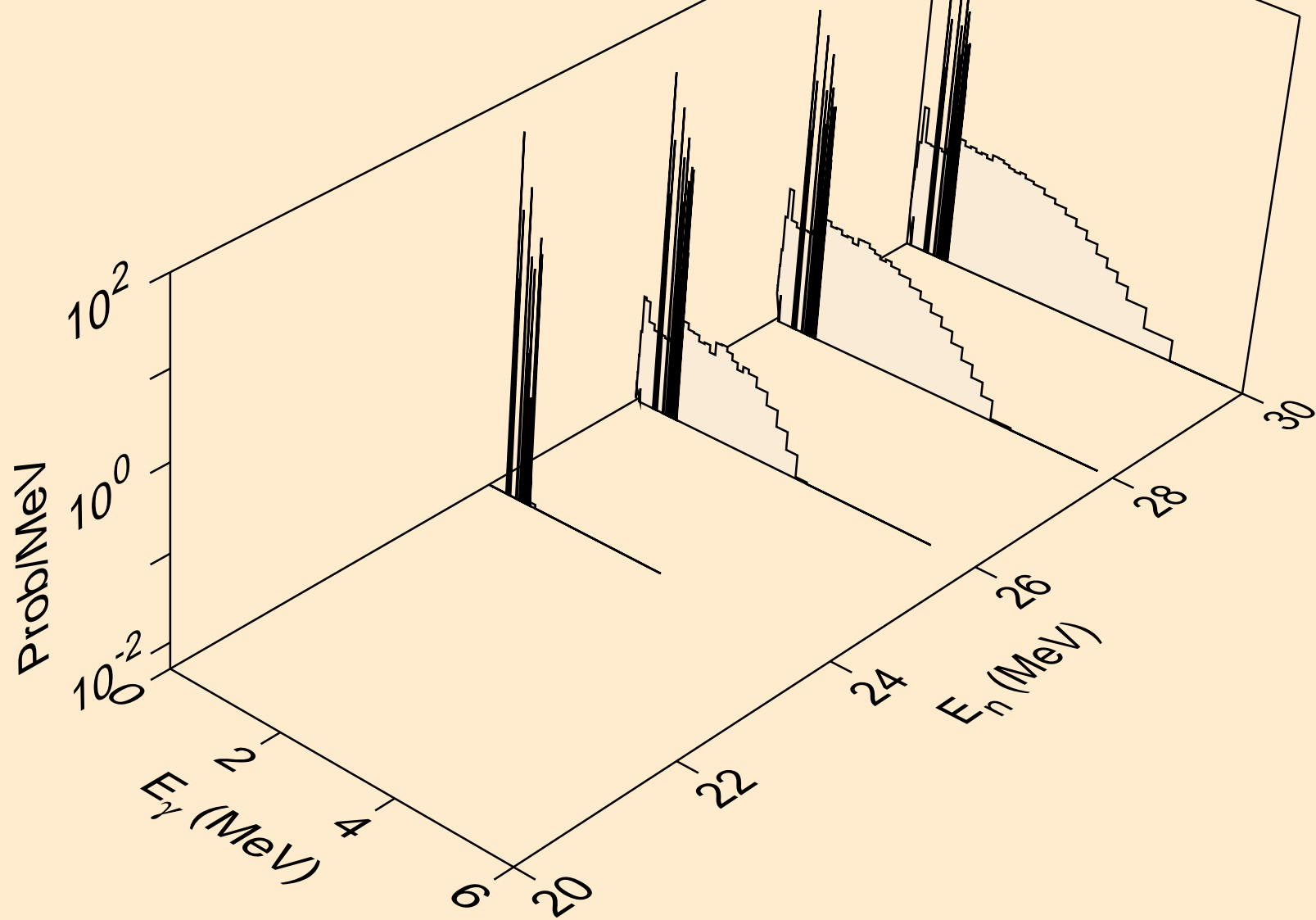
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



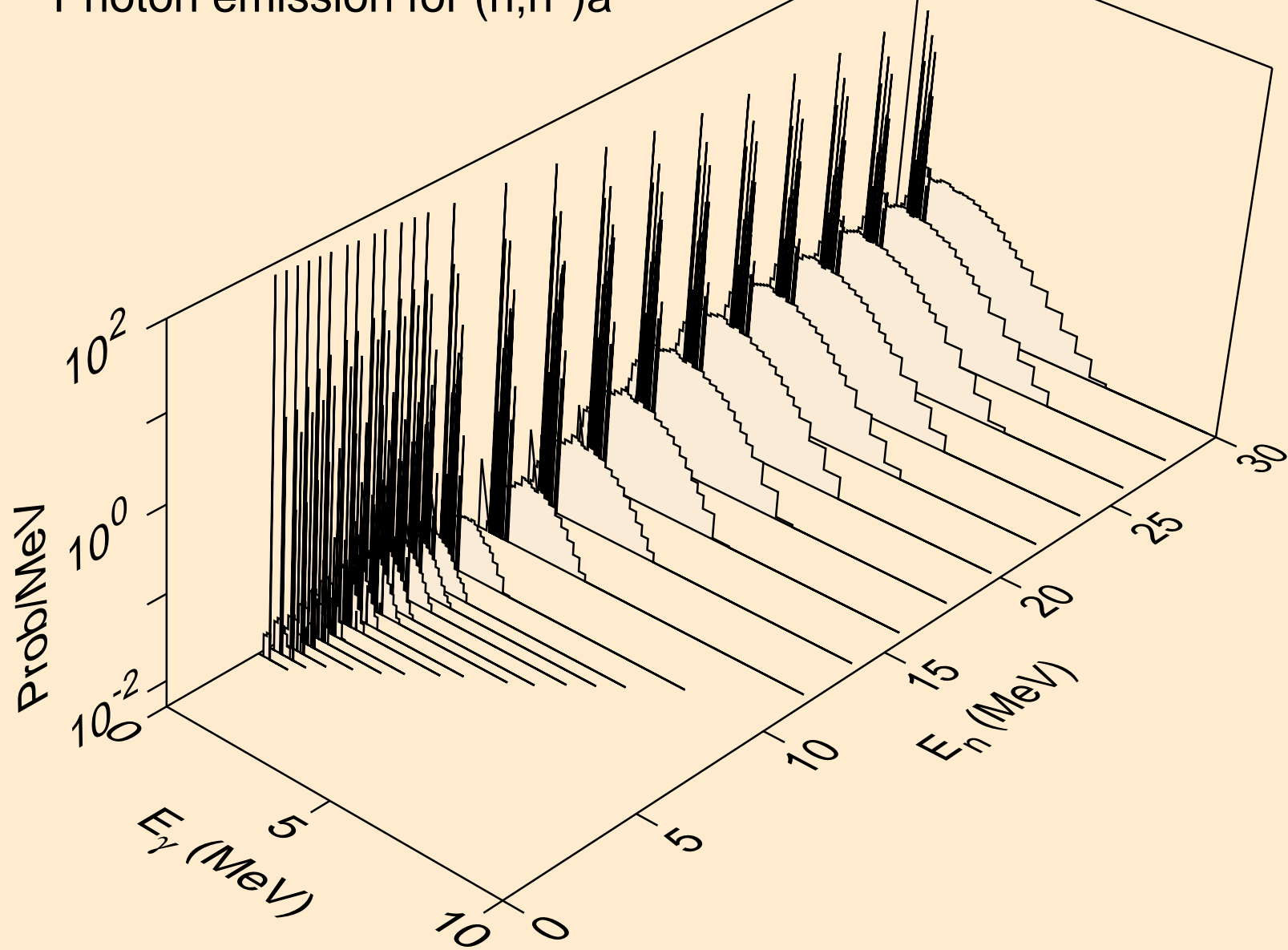
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



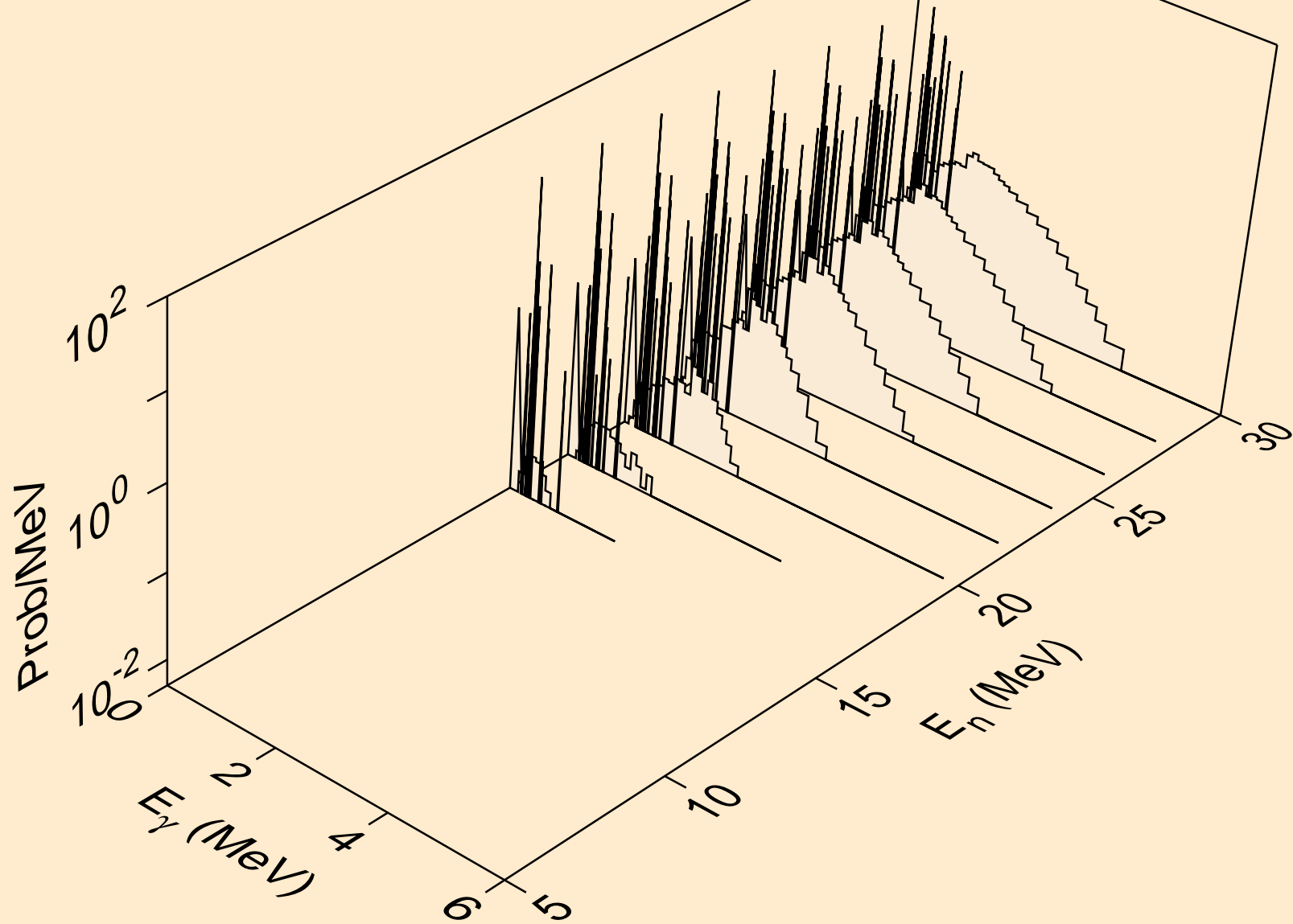
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



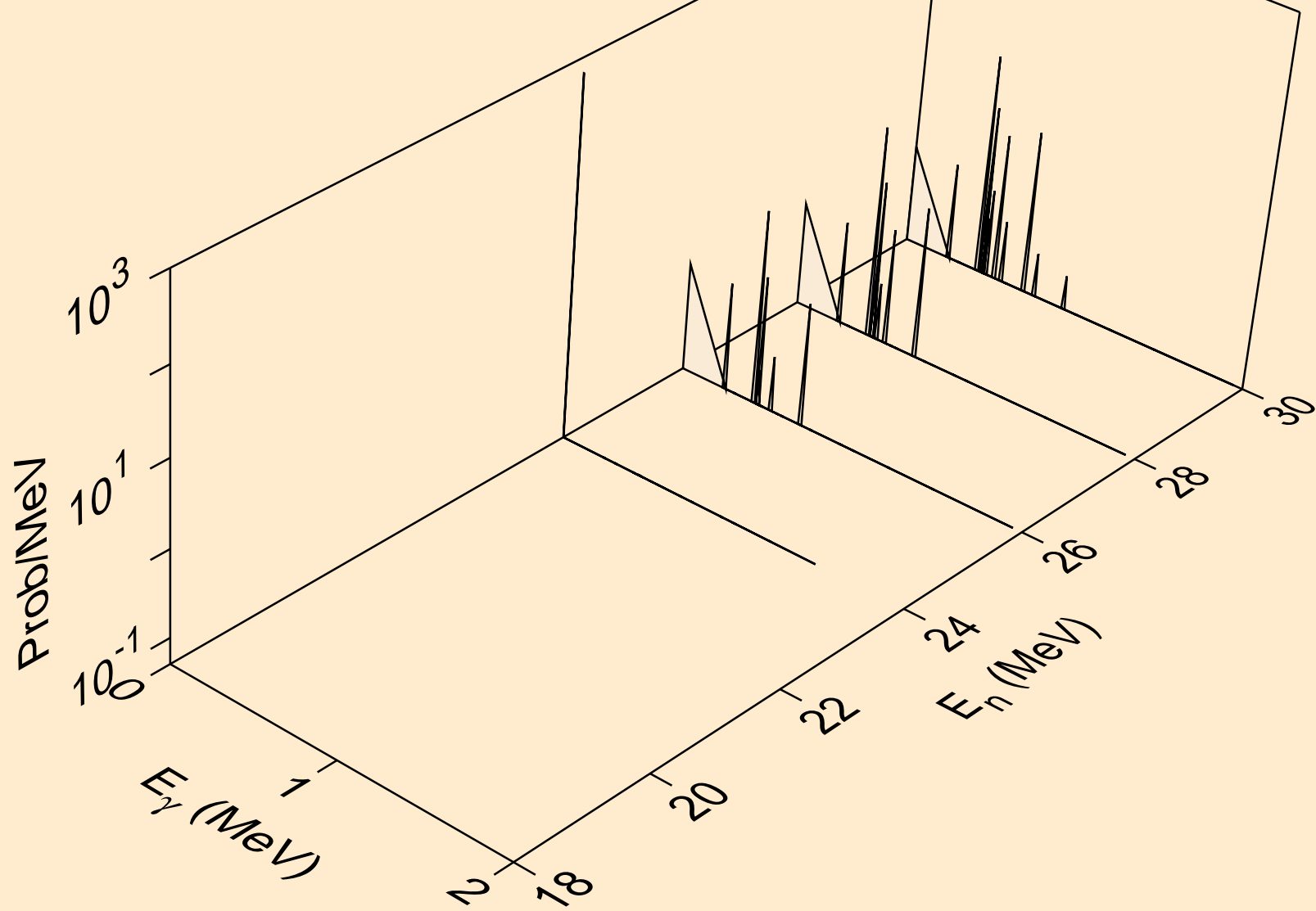
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



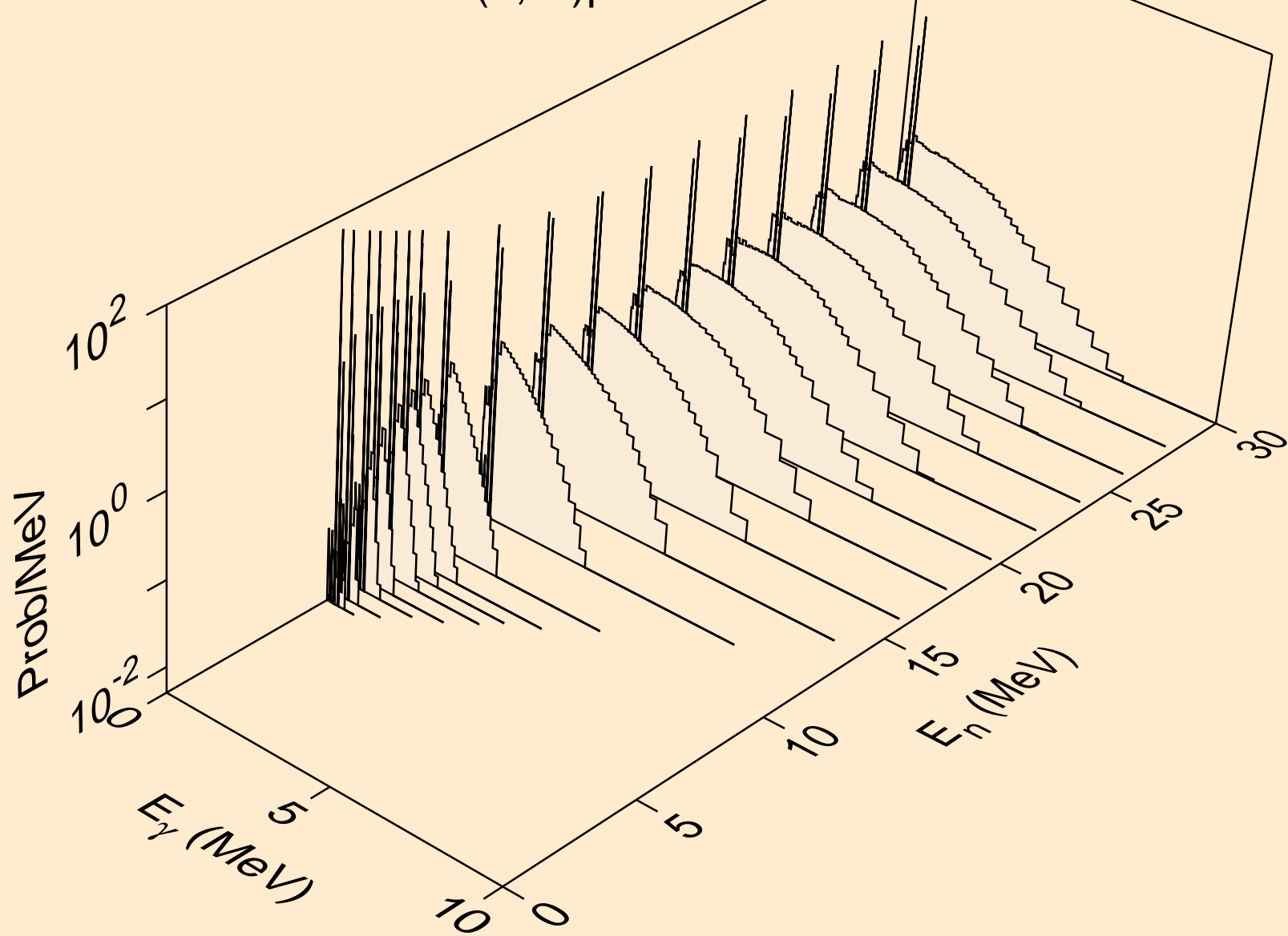
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



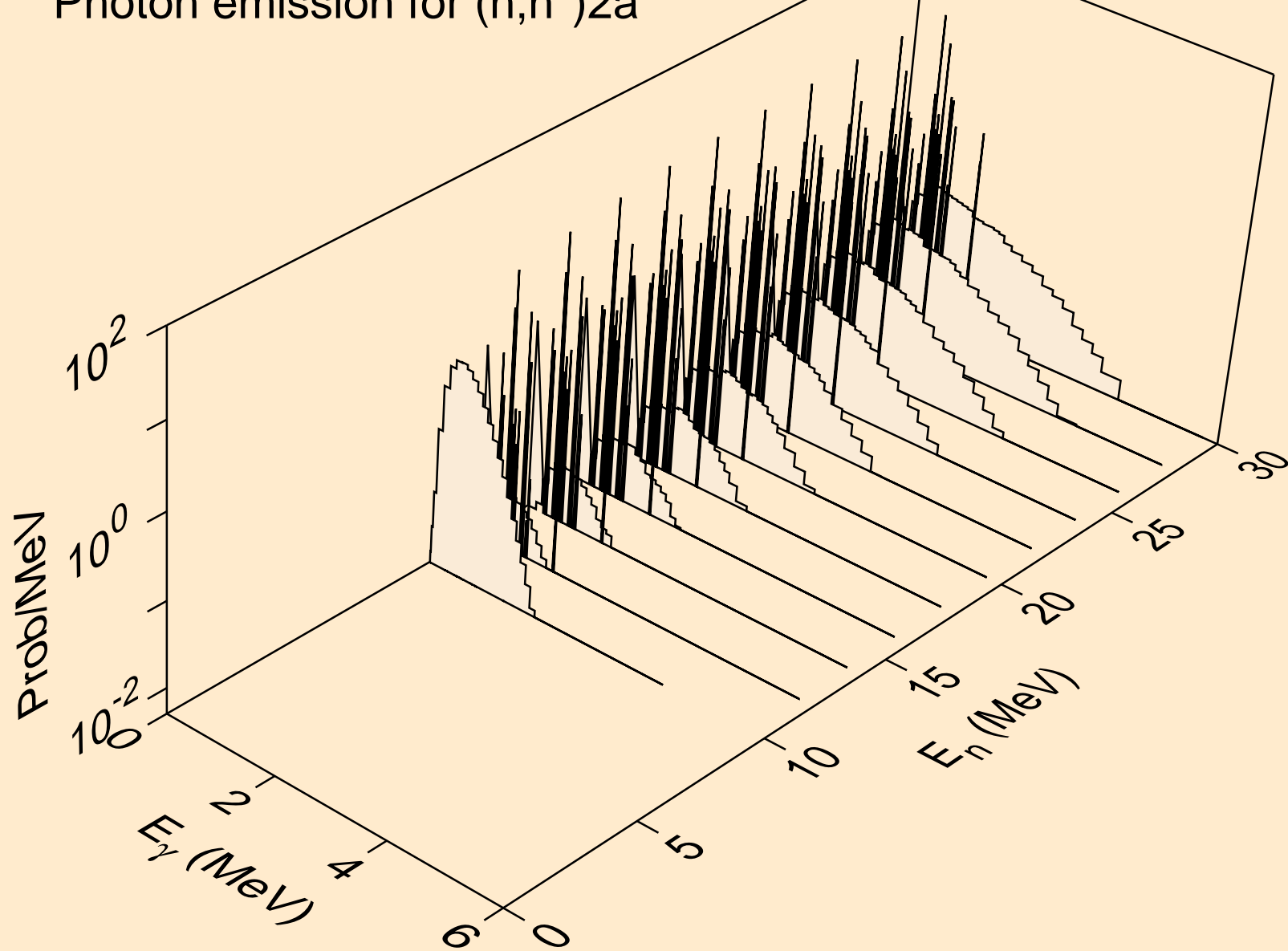
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

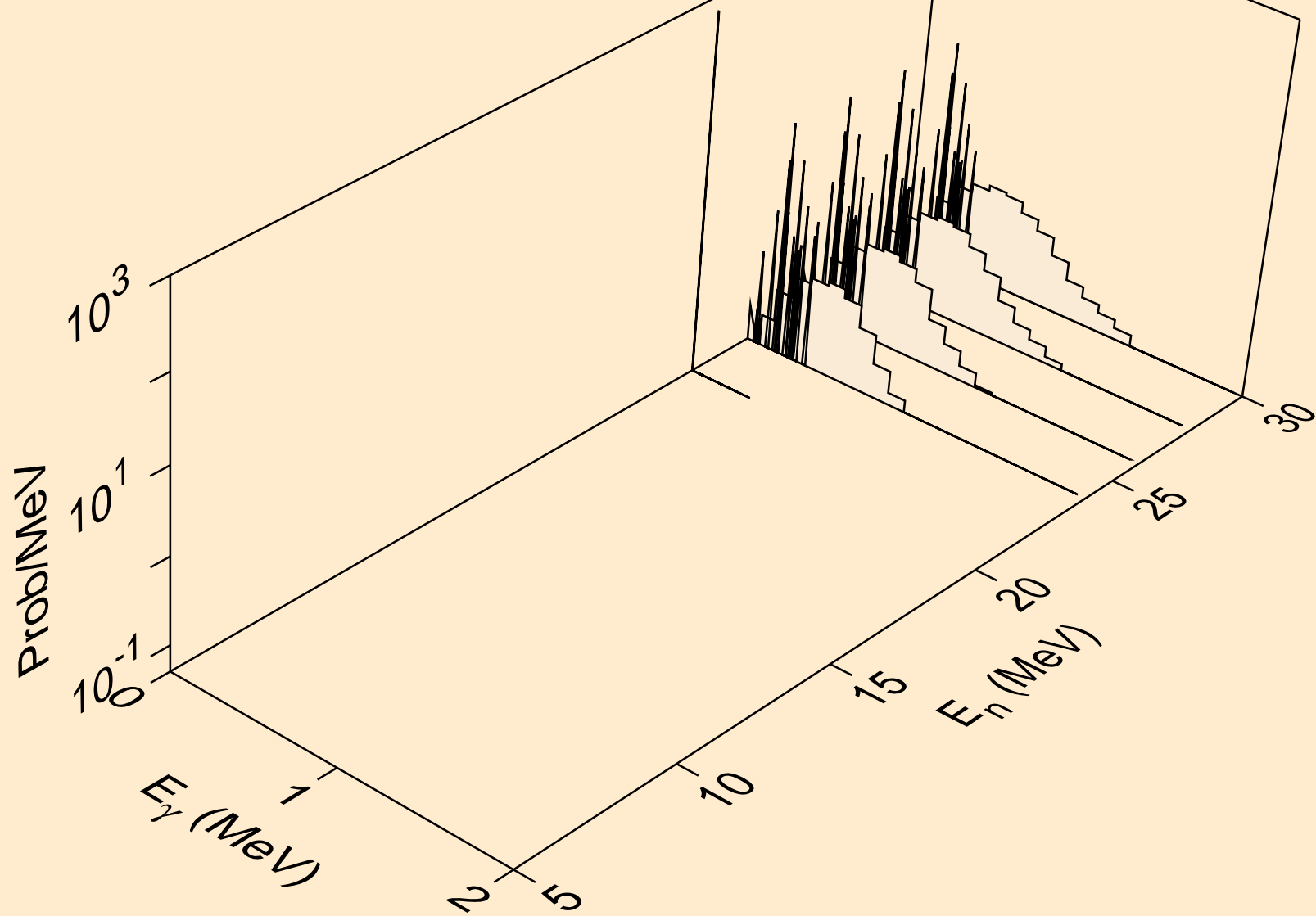


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

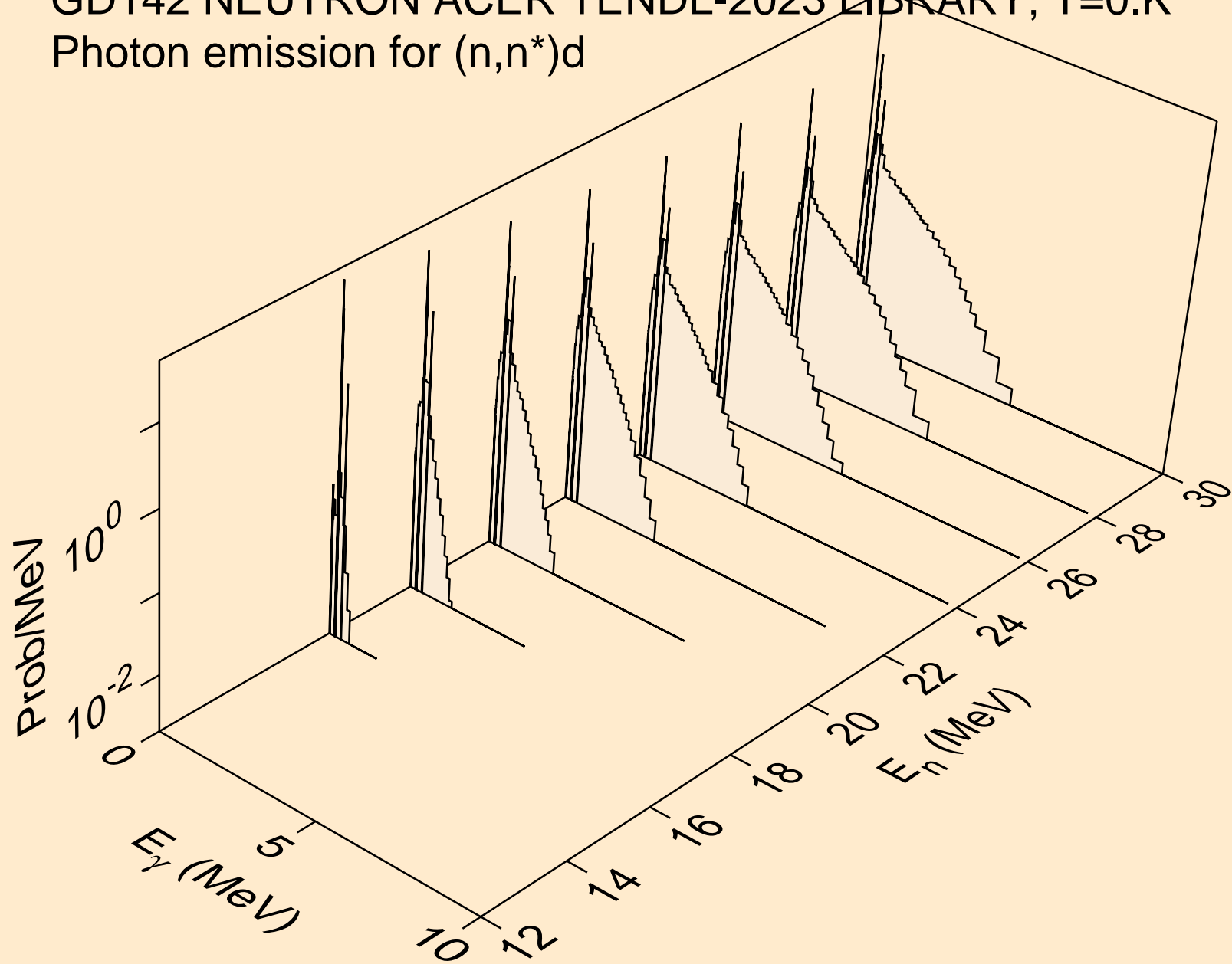




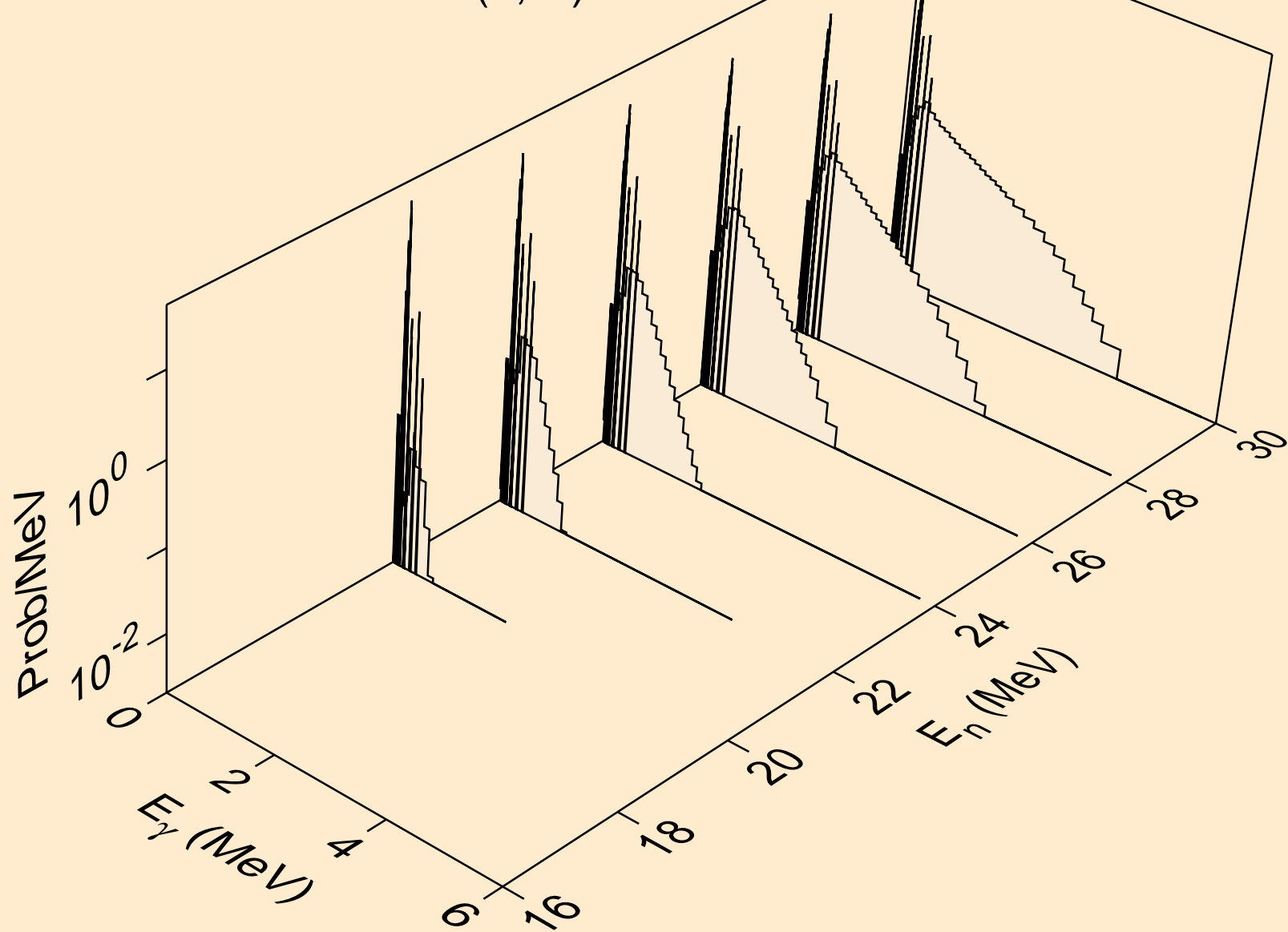
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



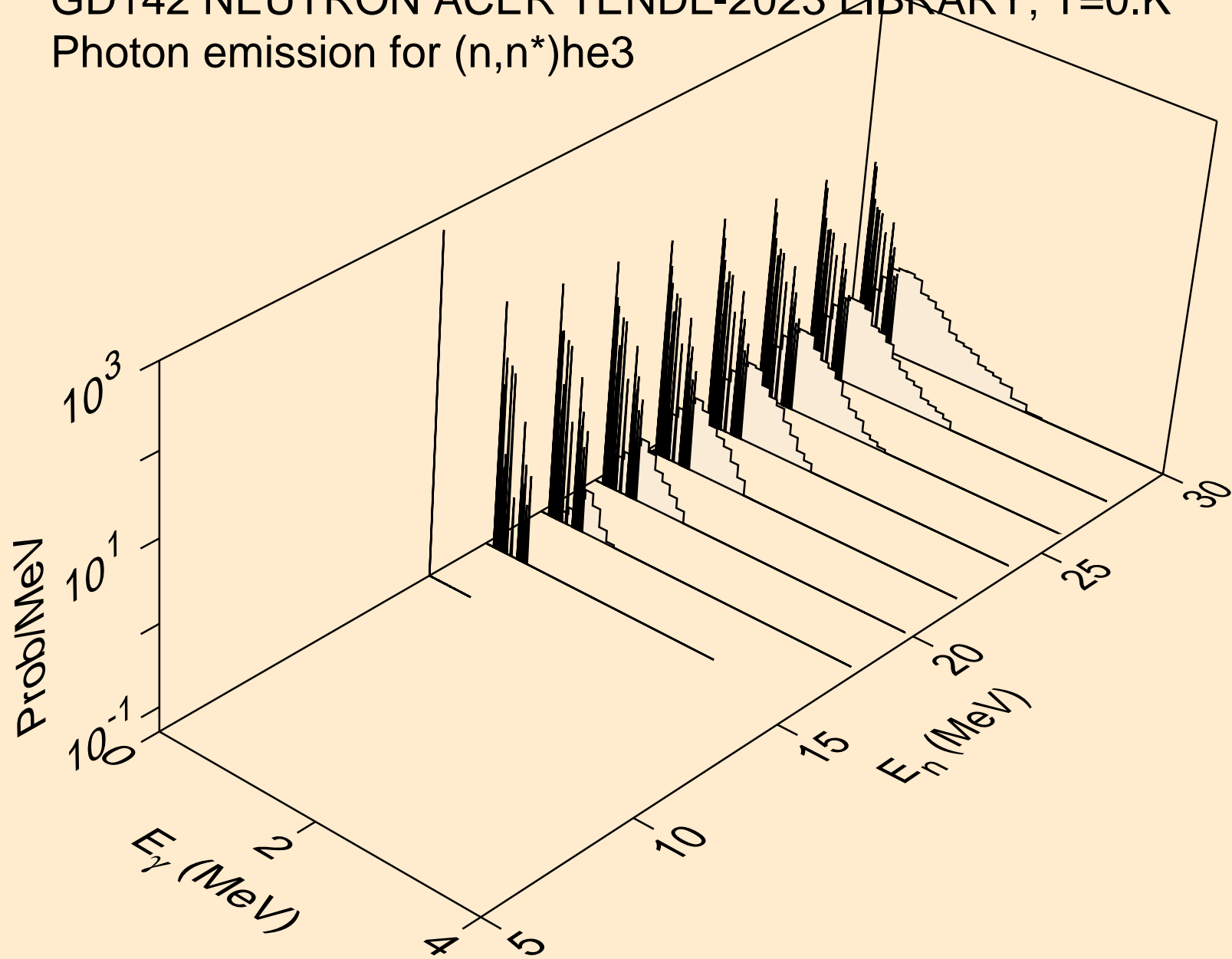
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



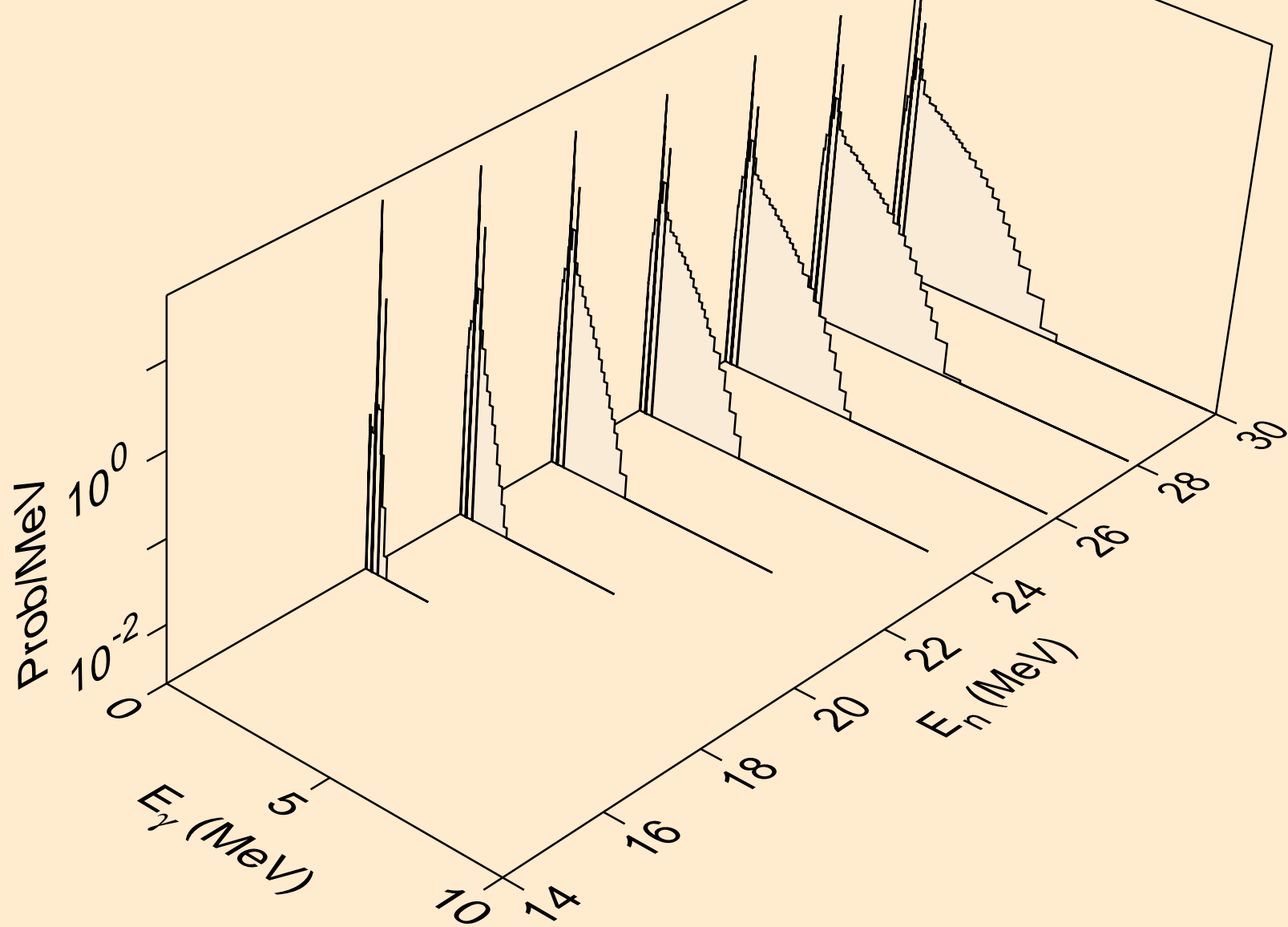
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



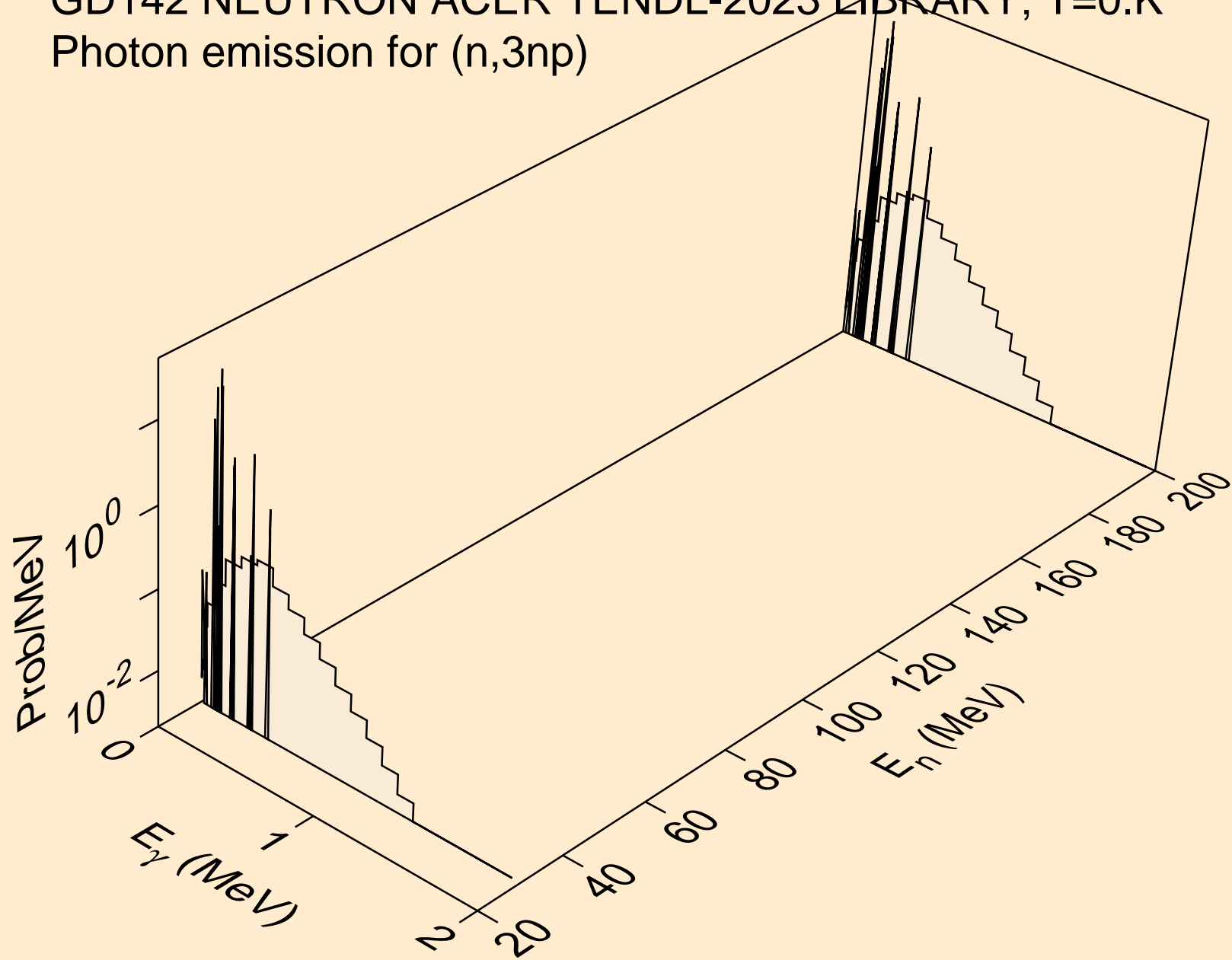
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



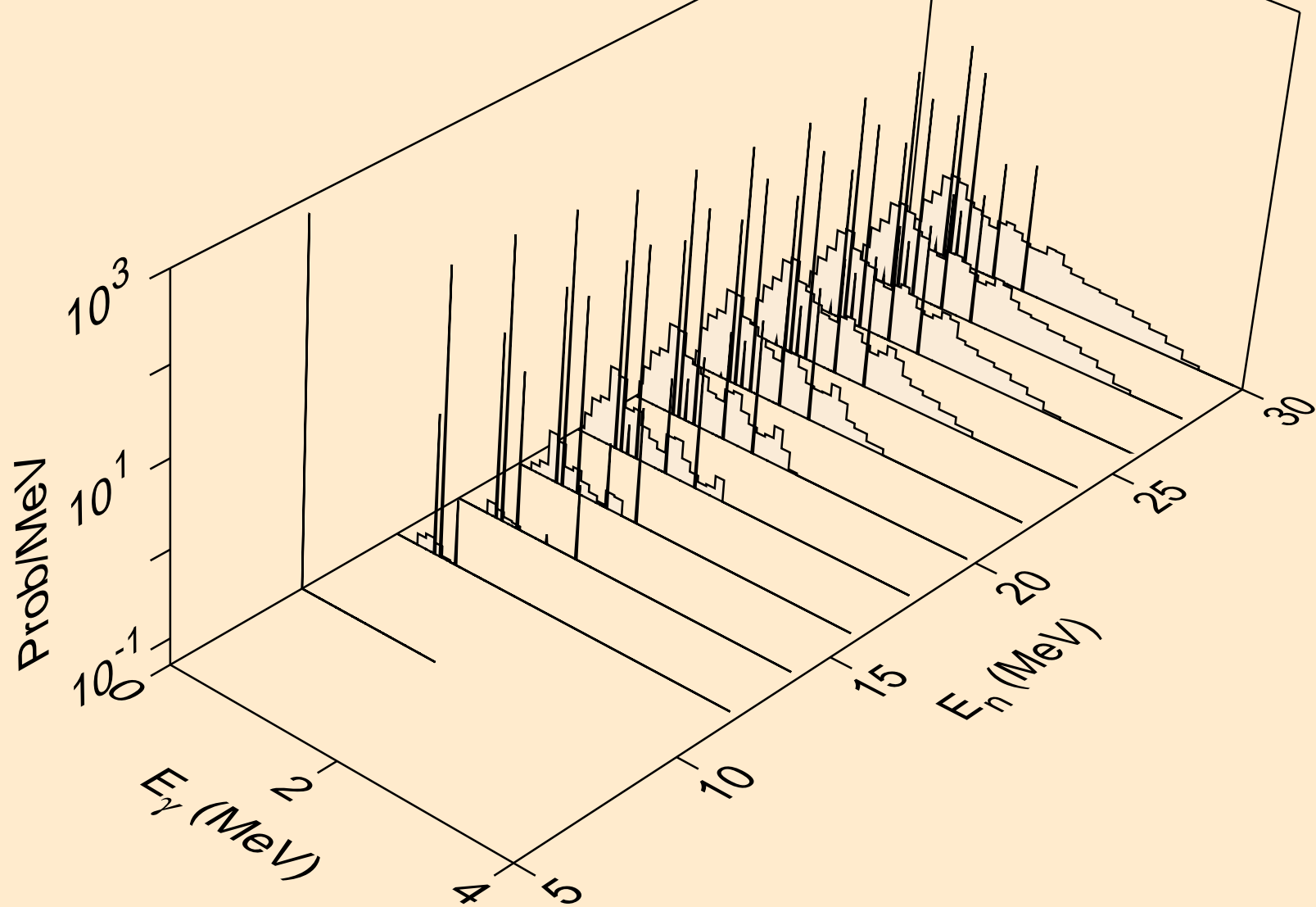
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



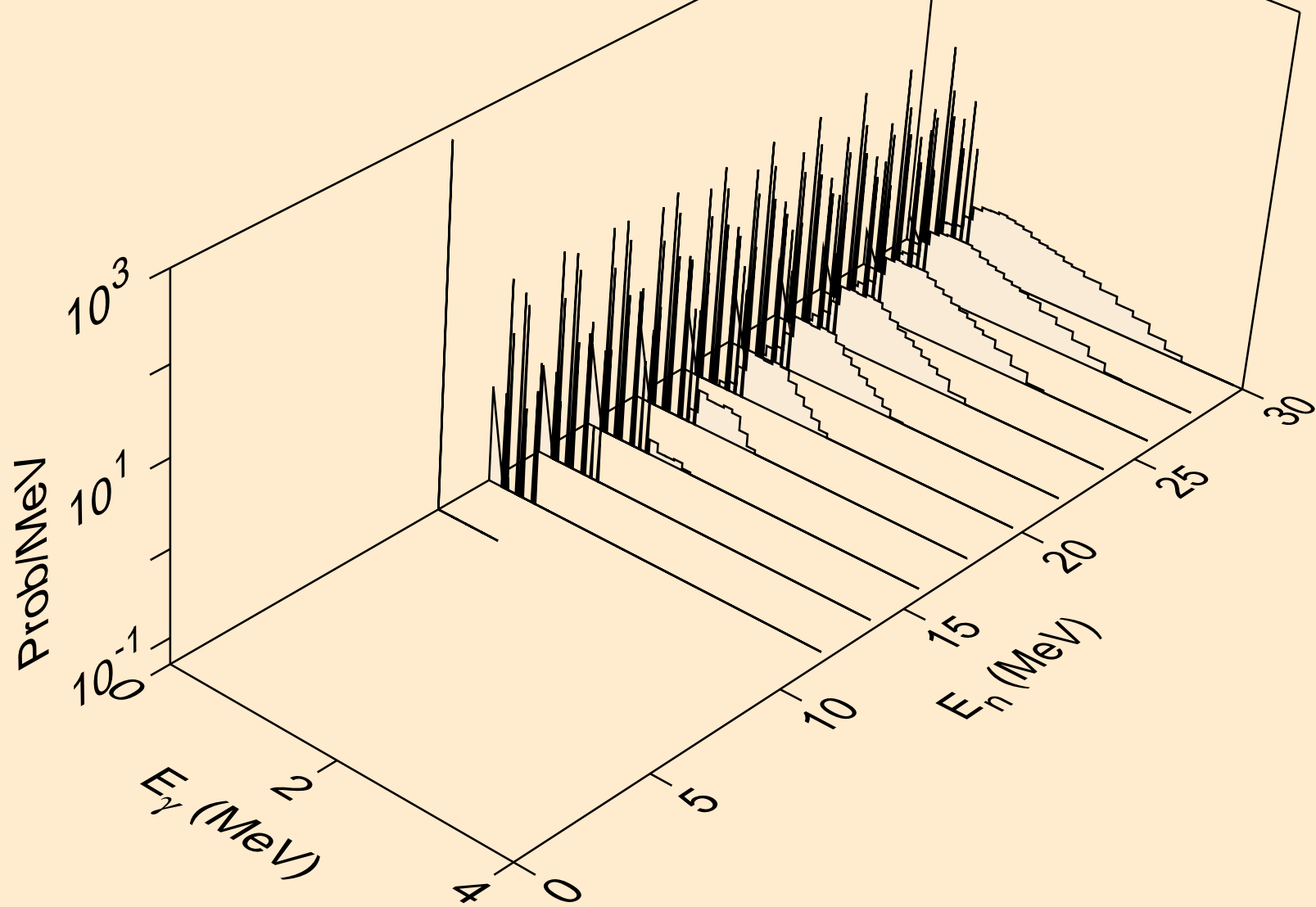
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

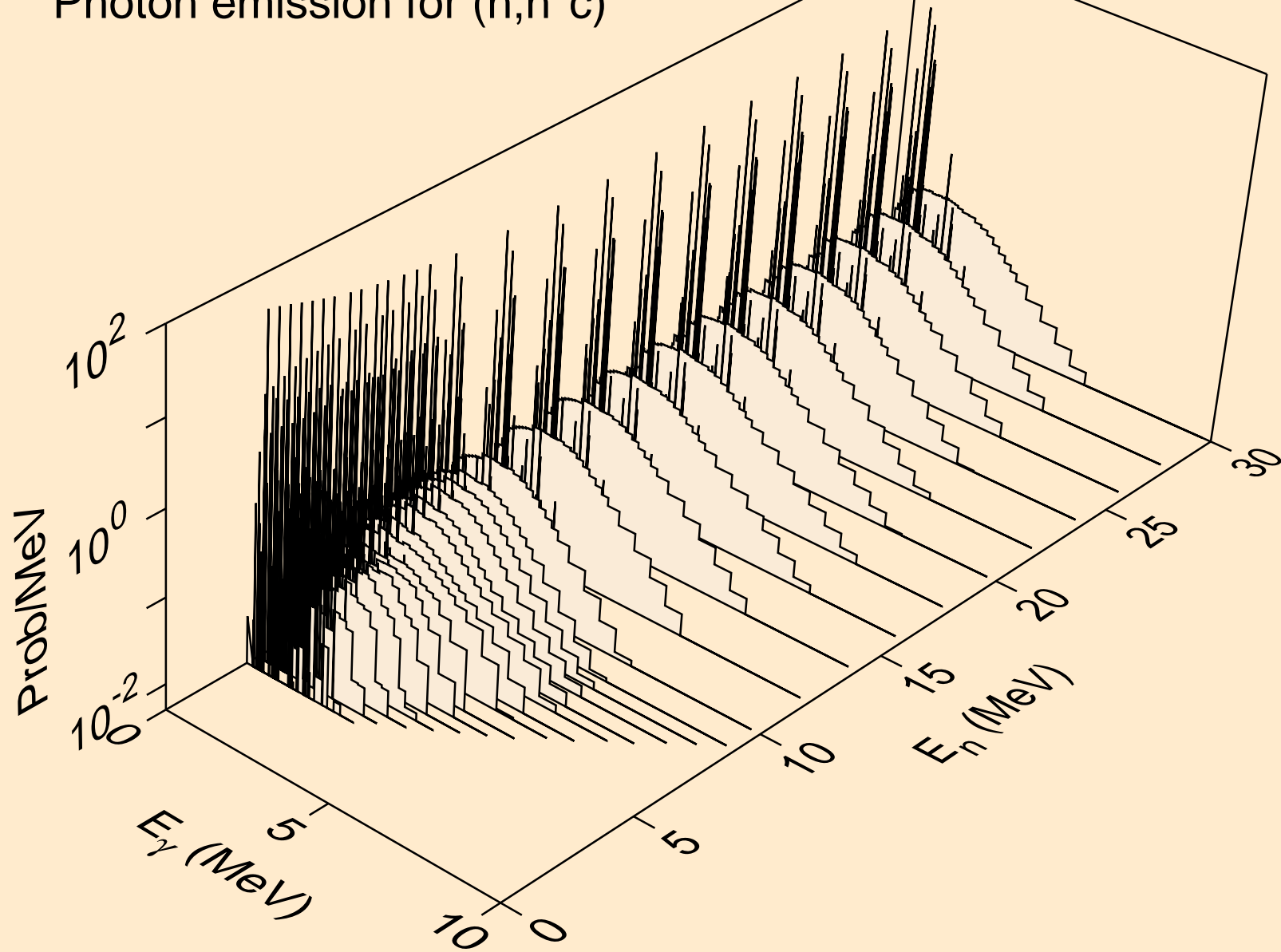


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

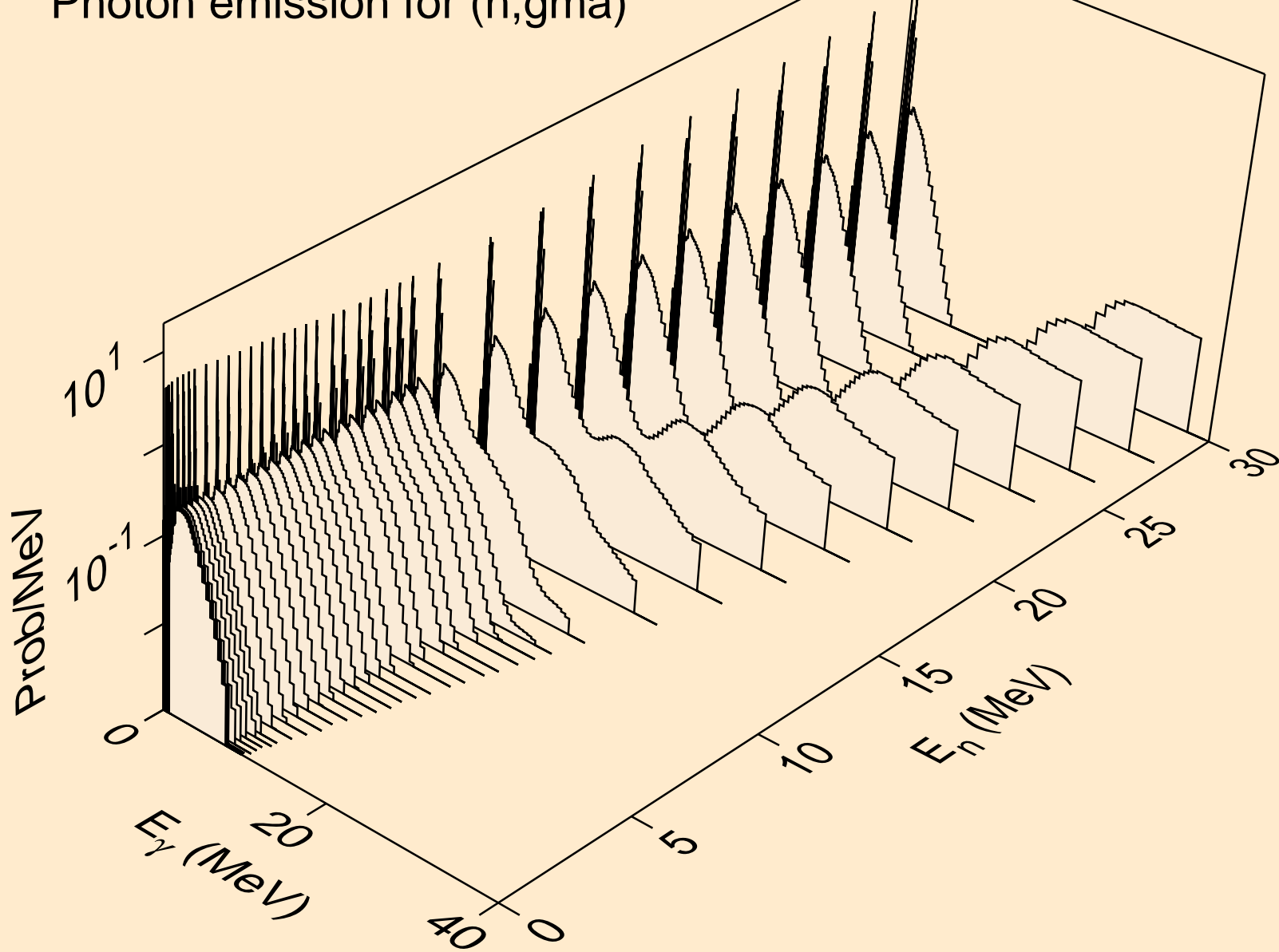




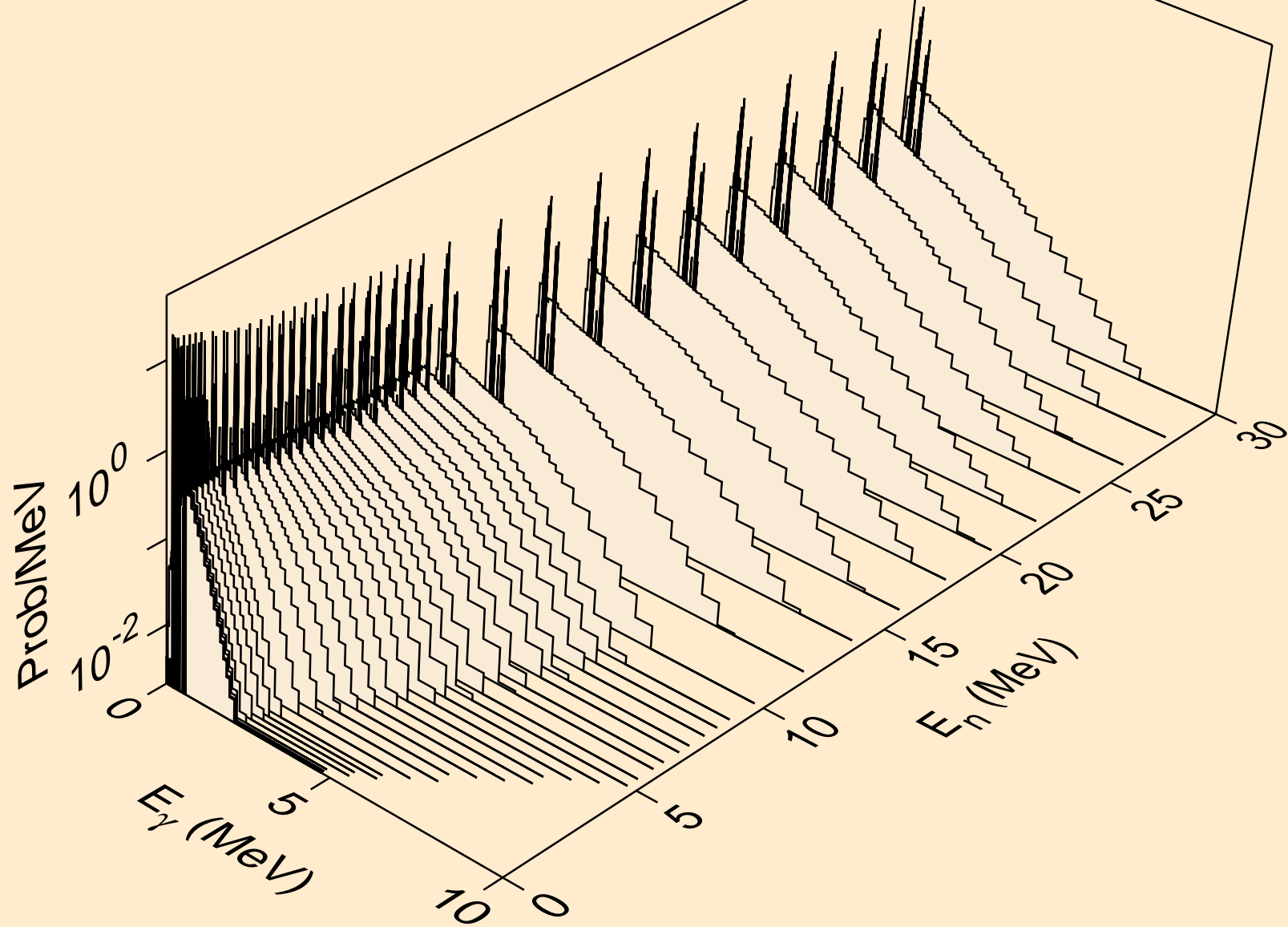
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



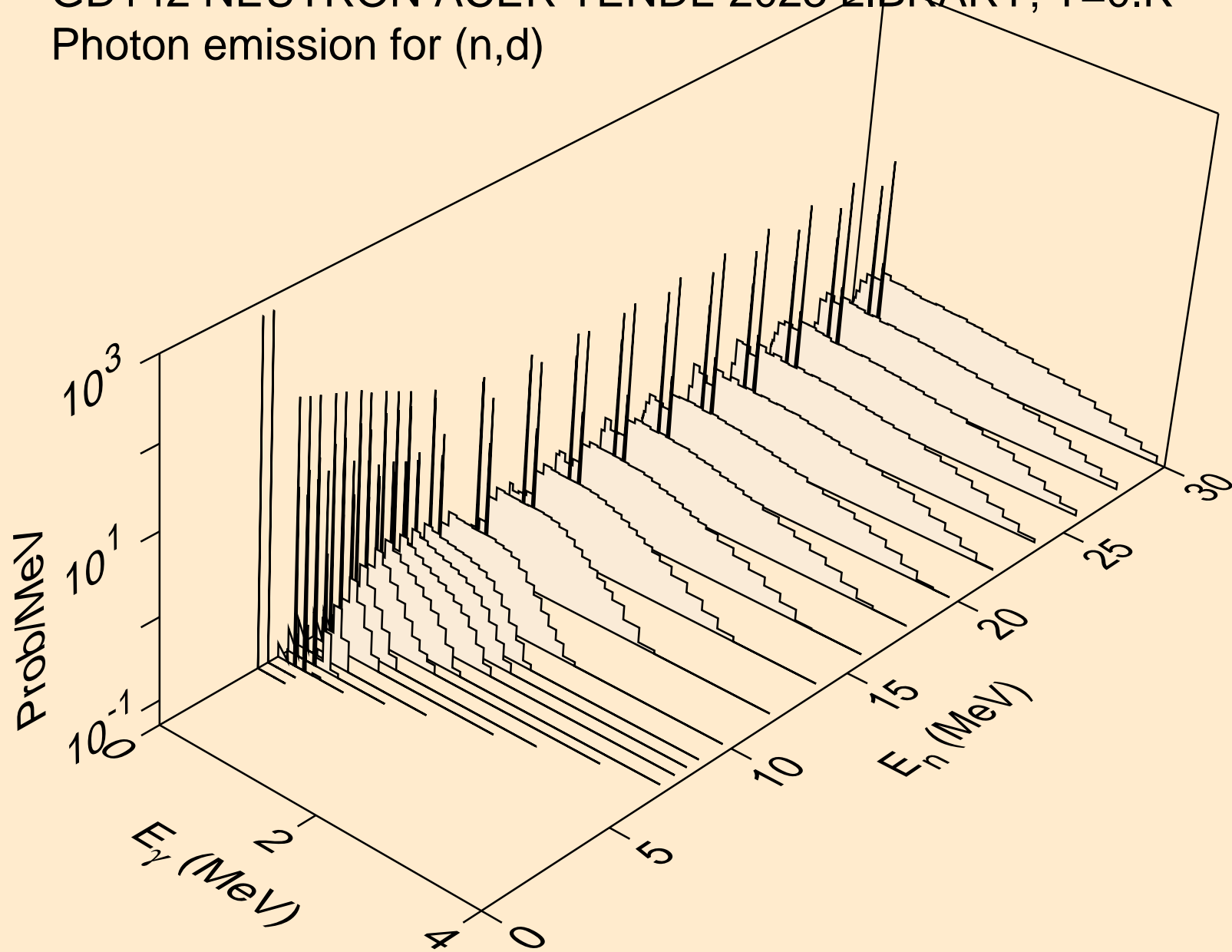
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



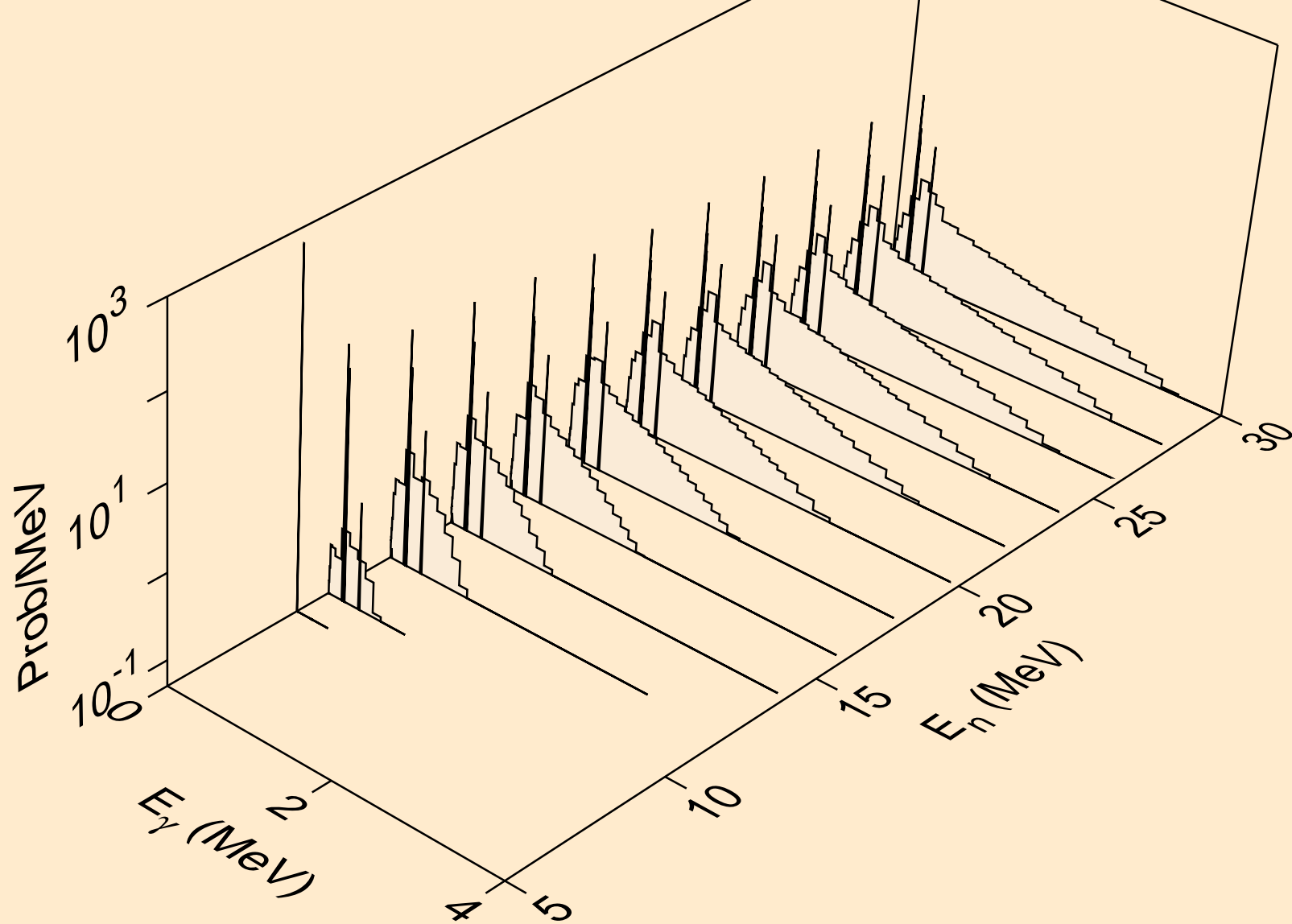
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



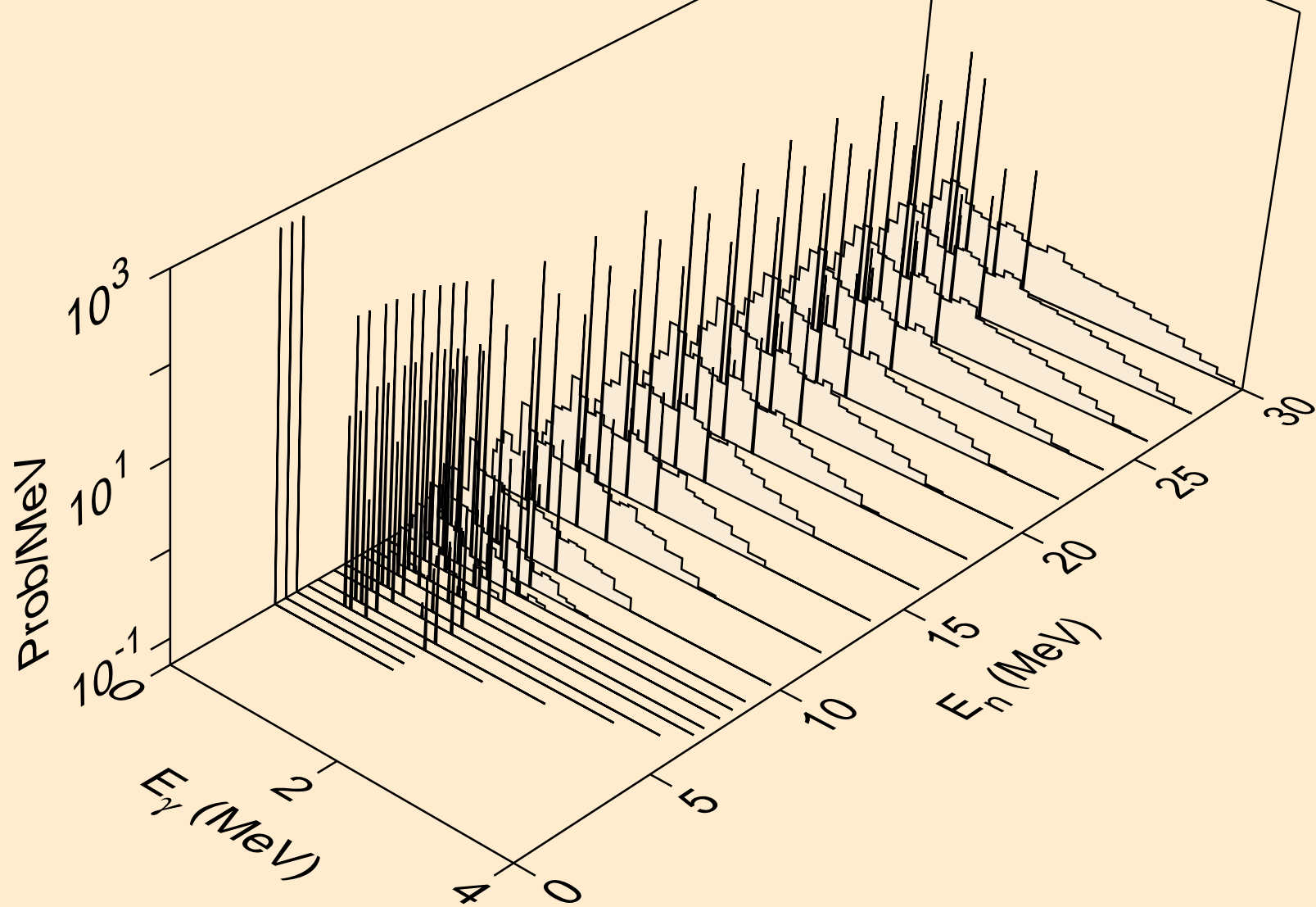
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



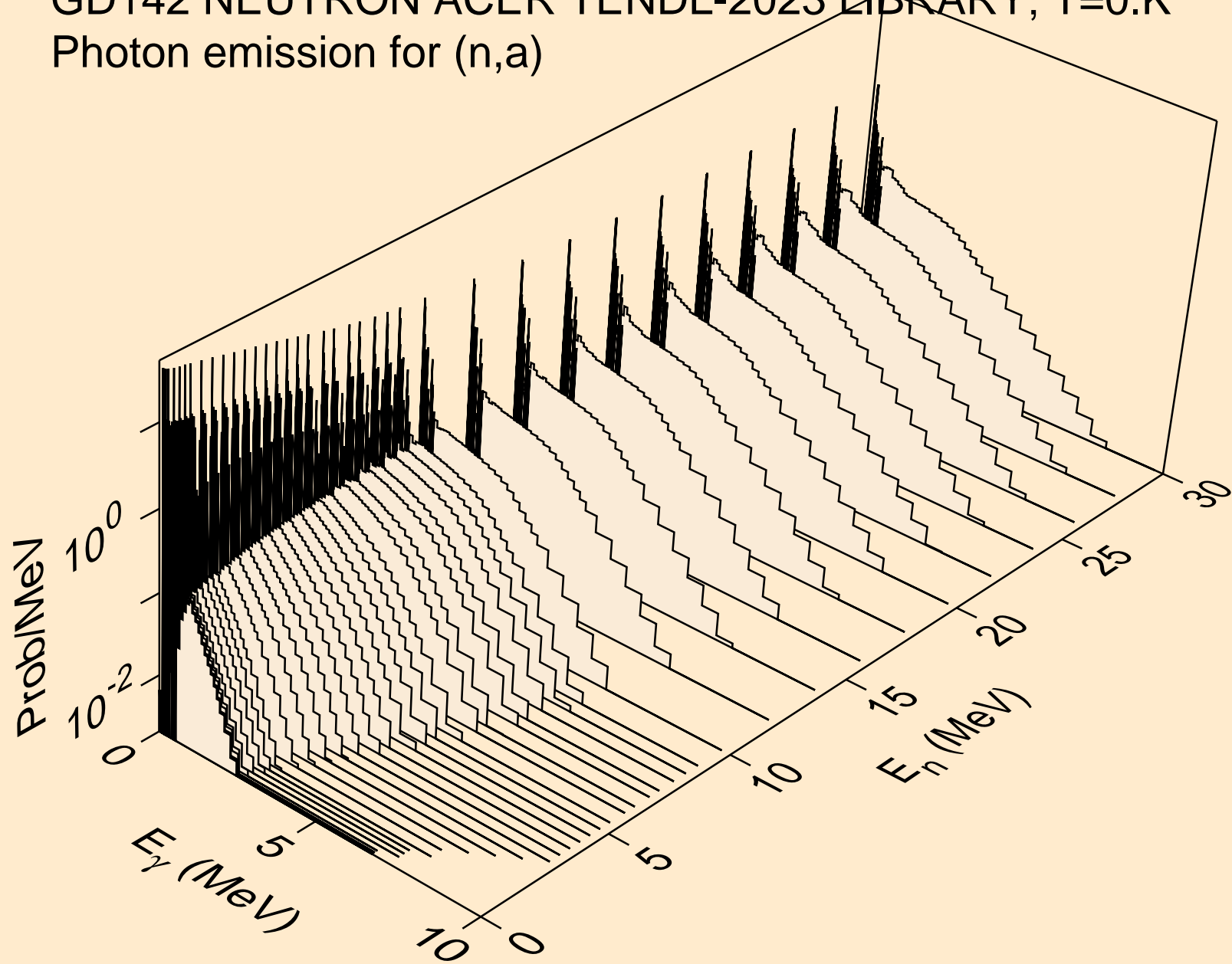
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



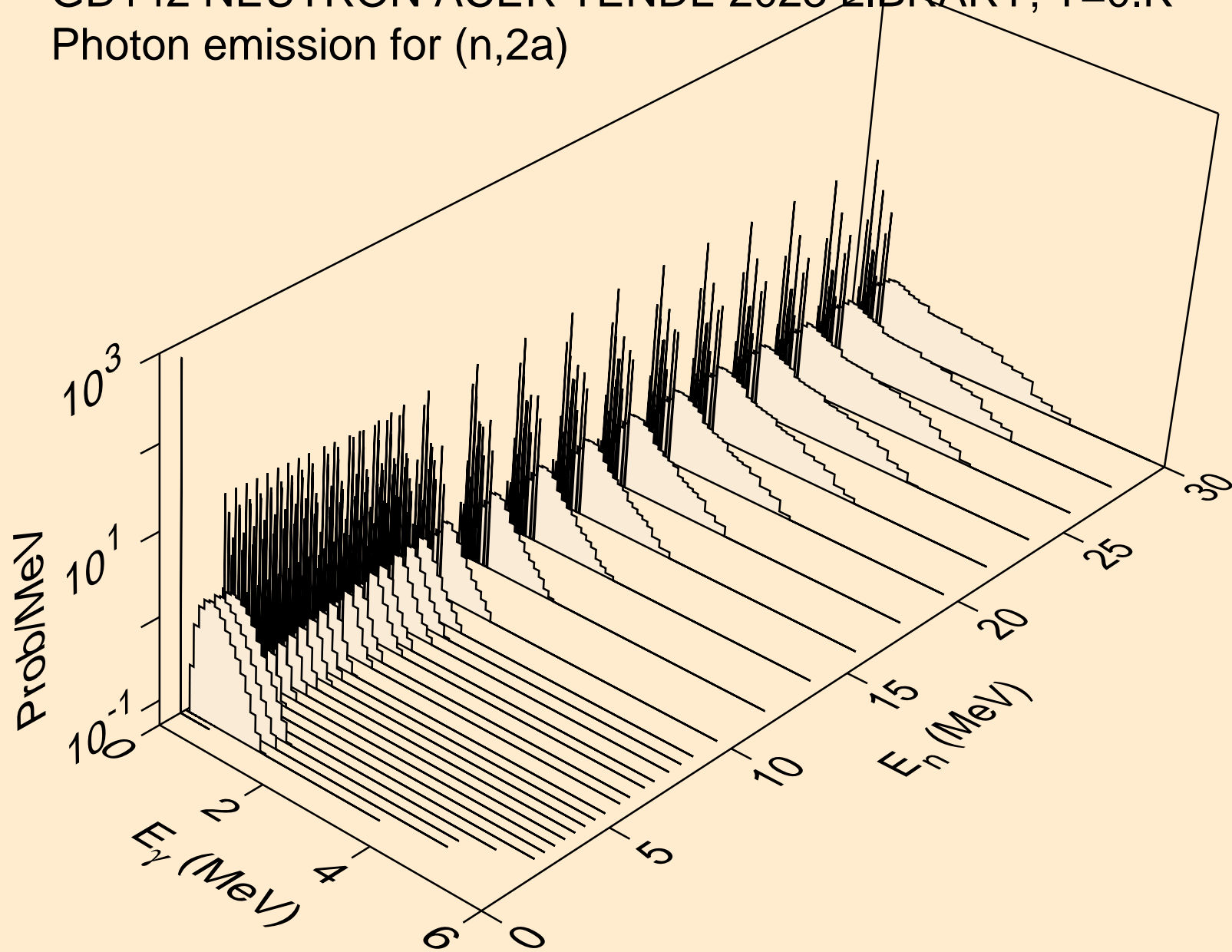
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

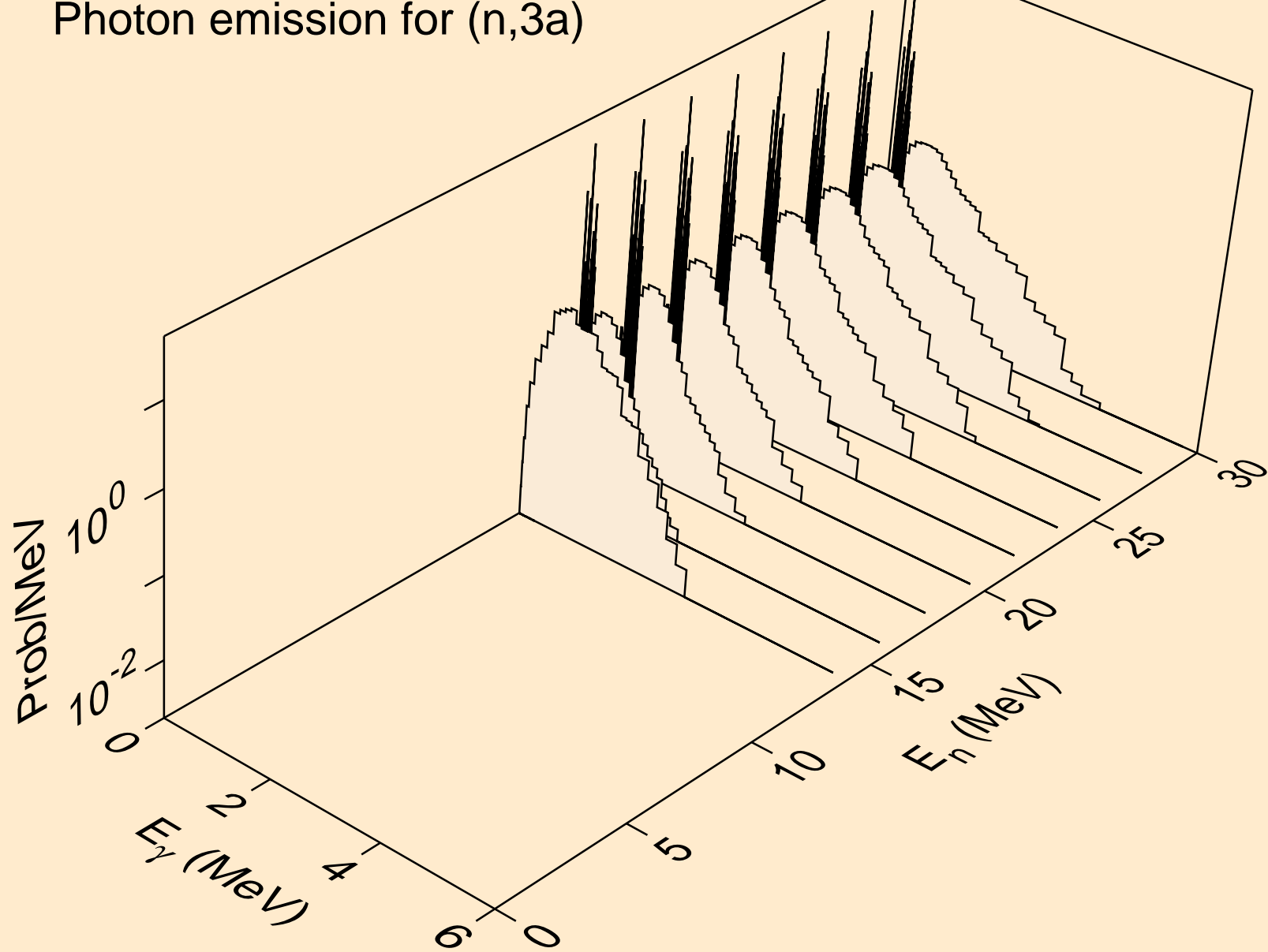


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

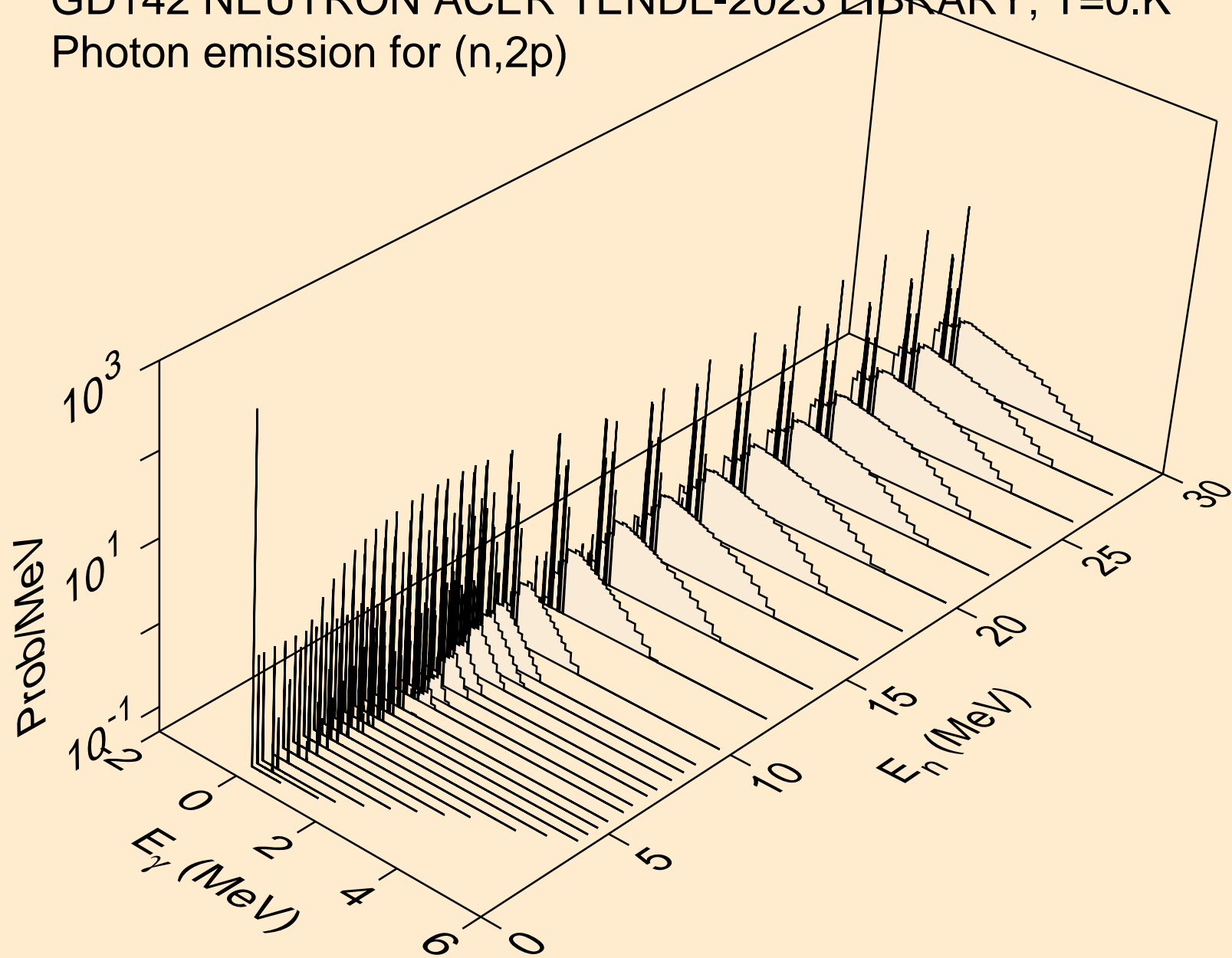




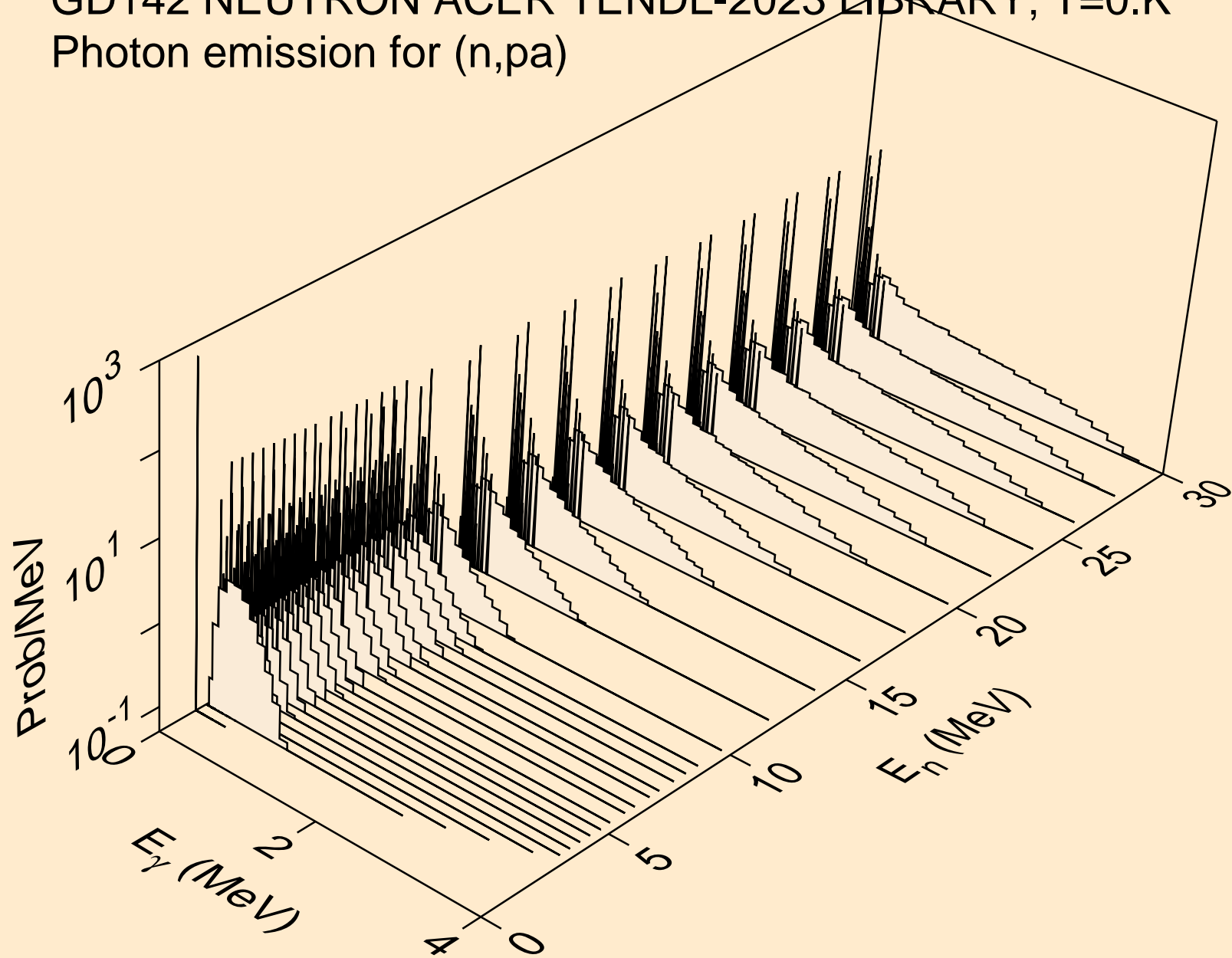
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



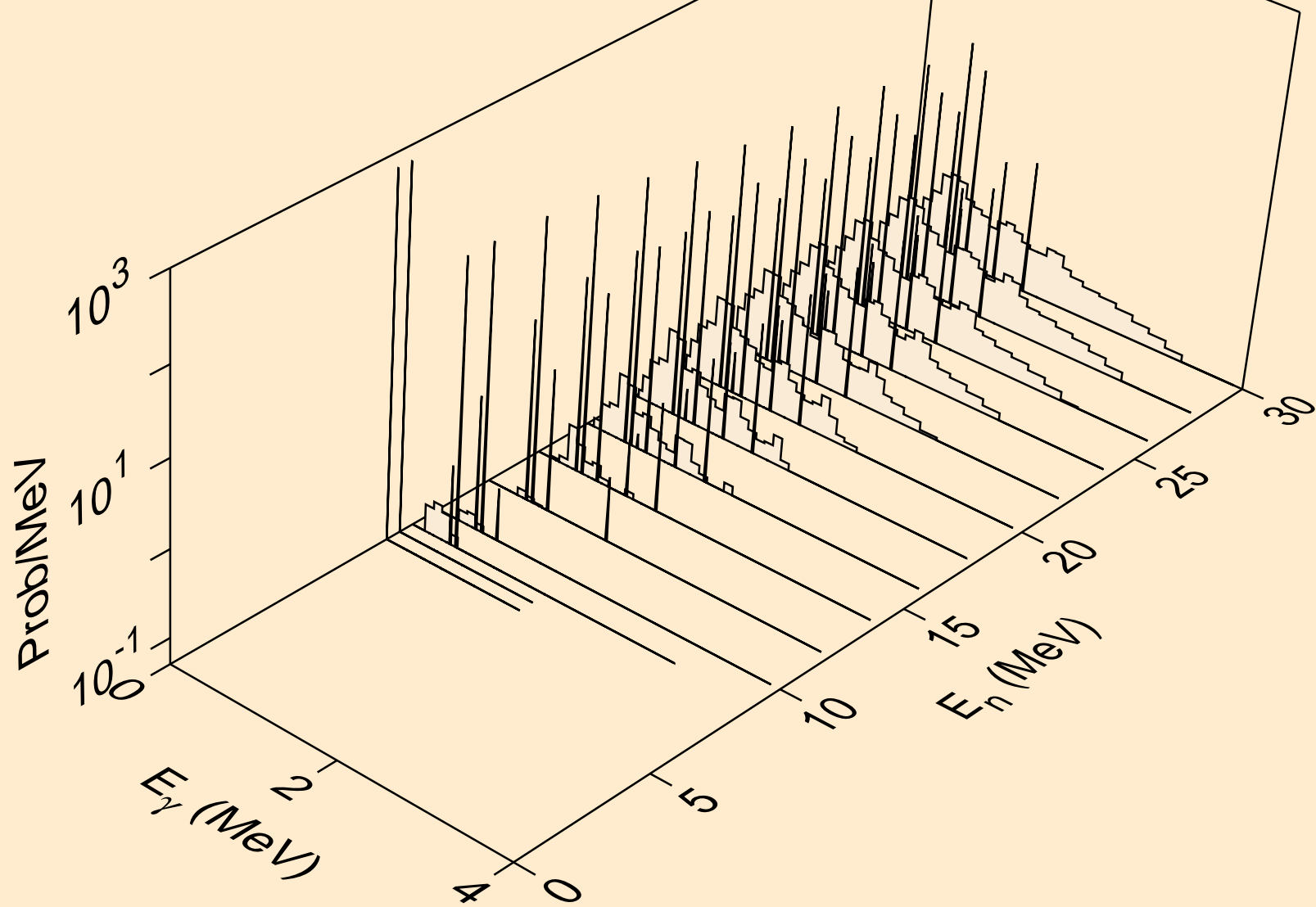
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



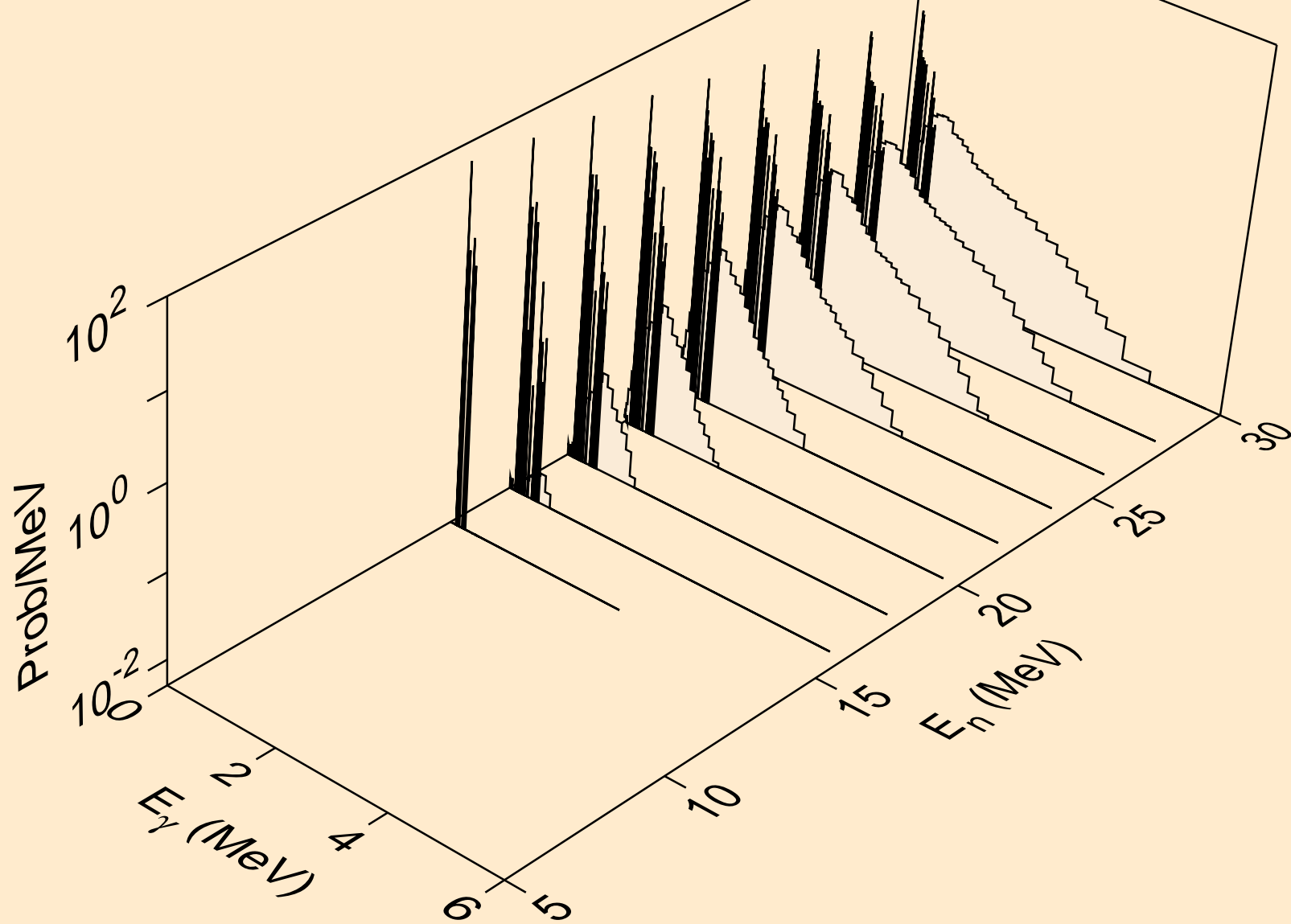
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Photon emission for (n,p)



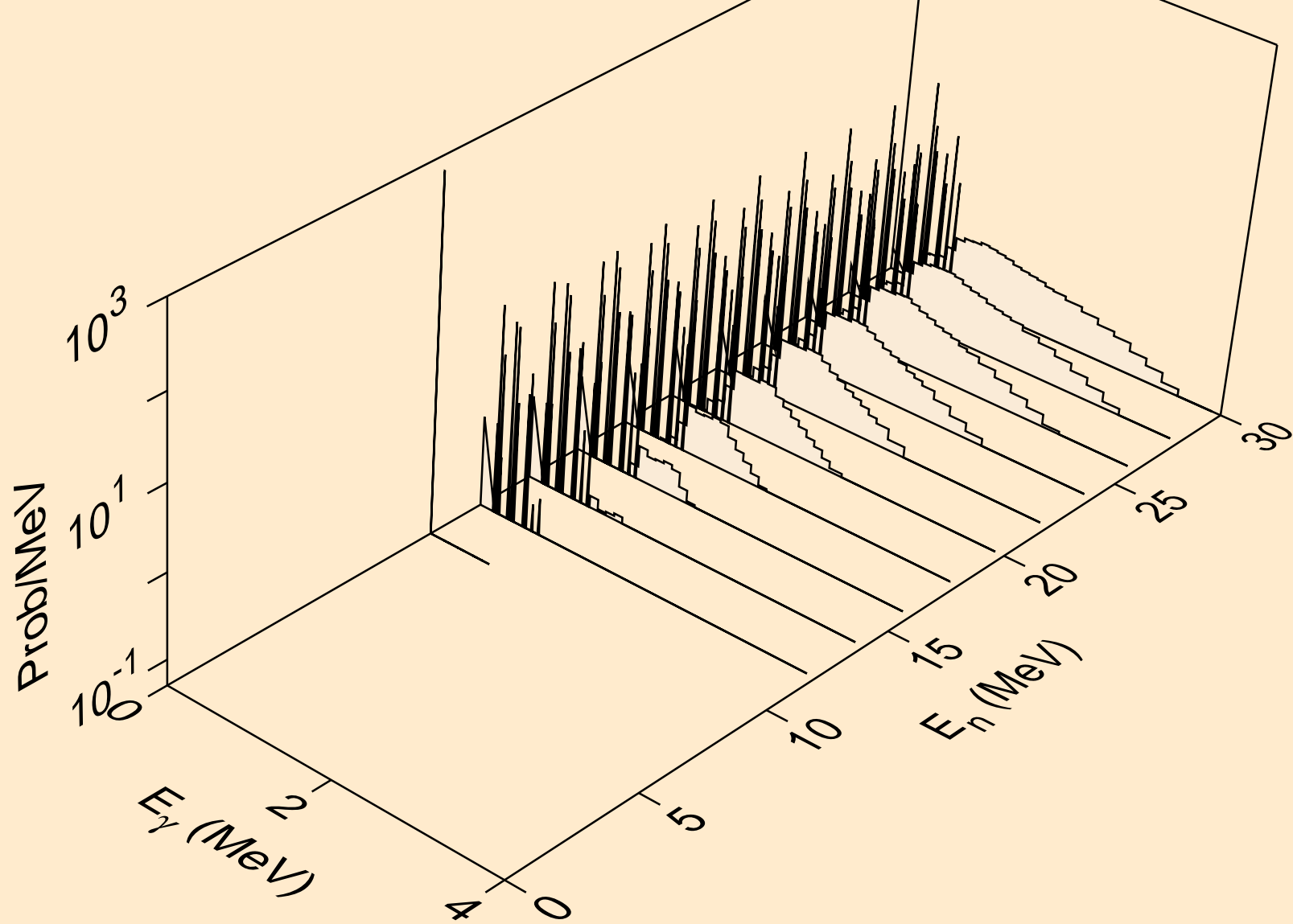
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



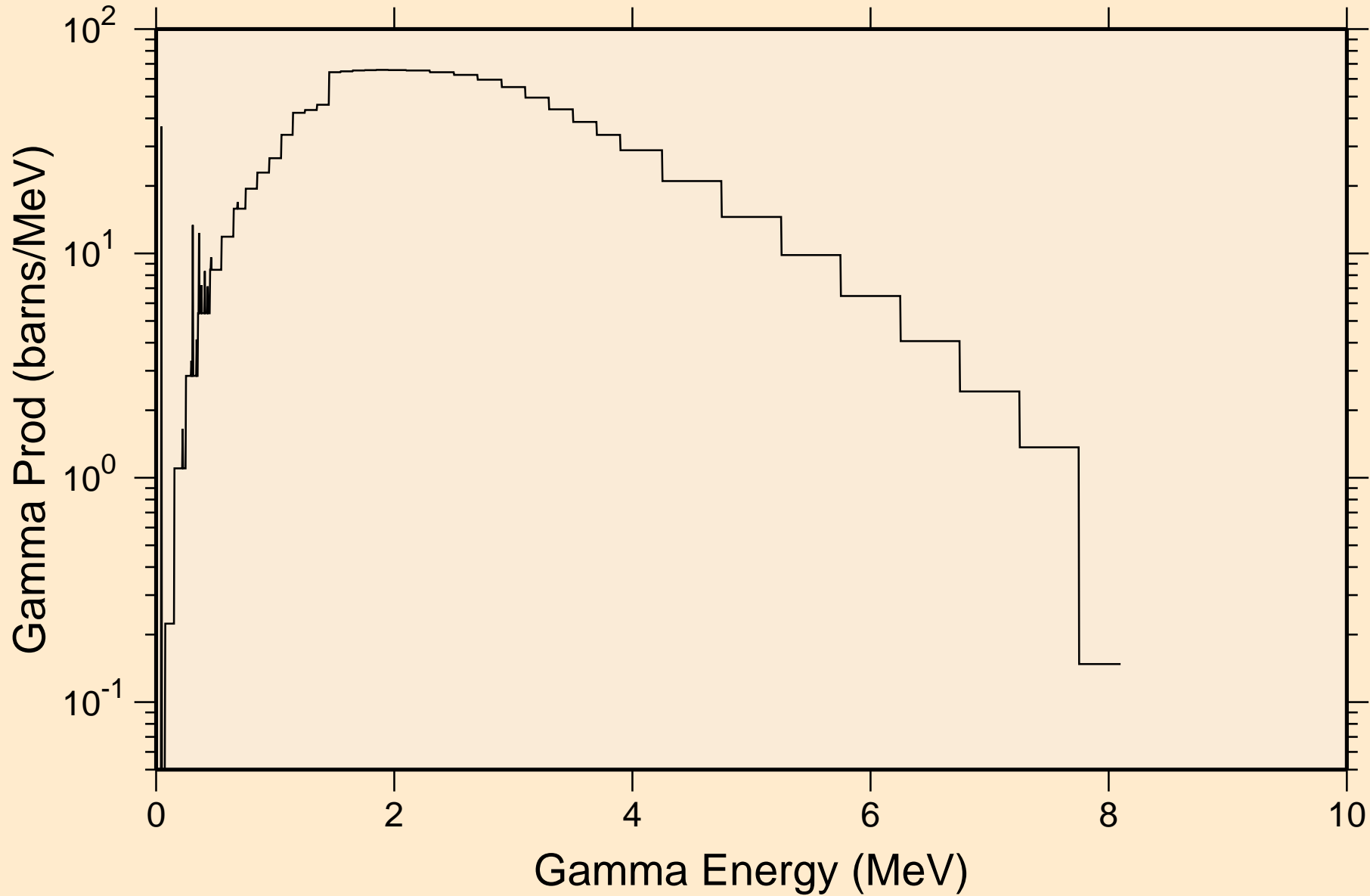
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



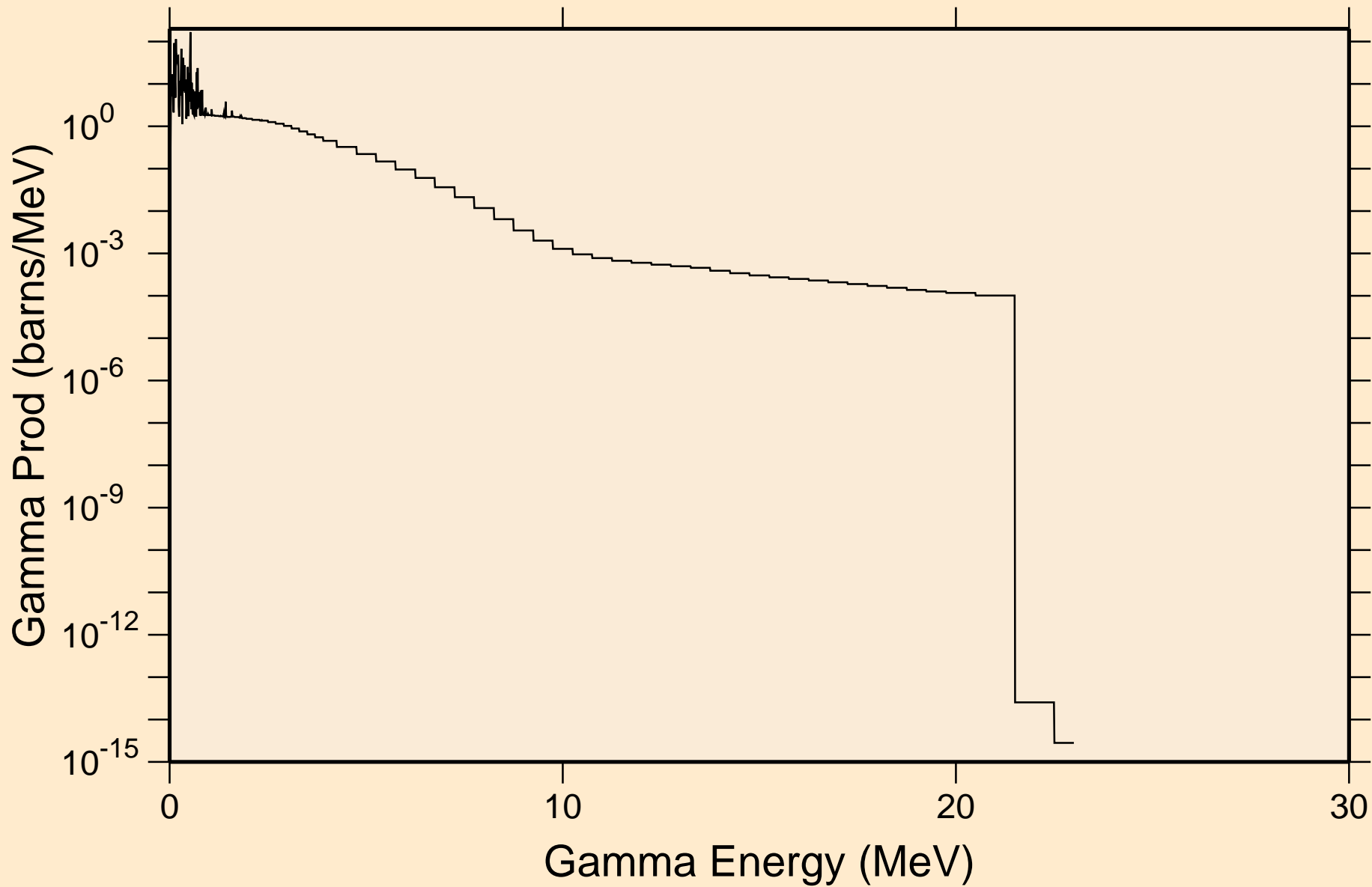
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



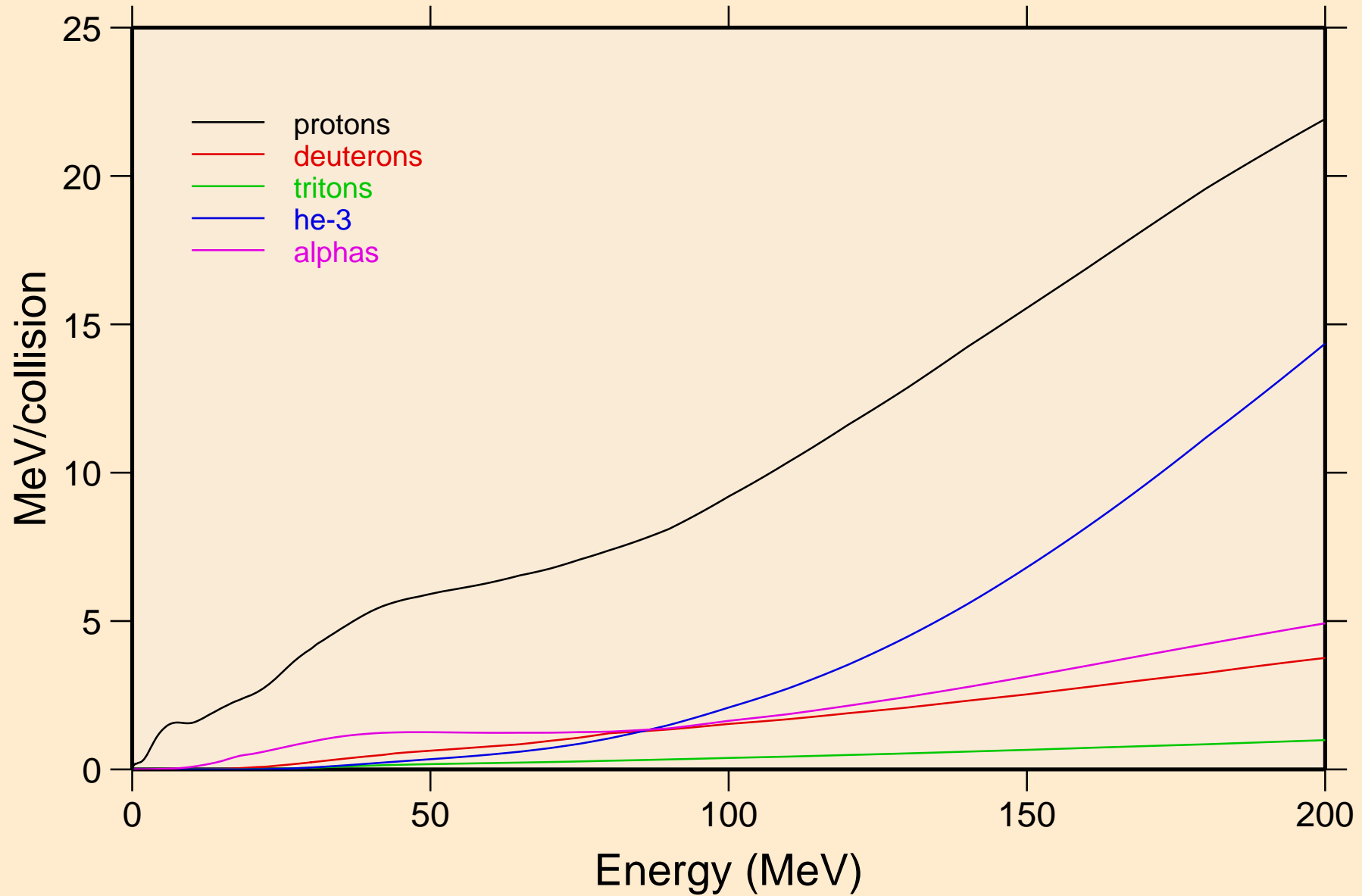
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum





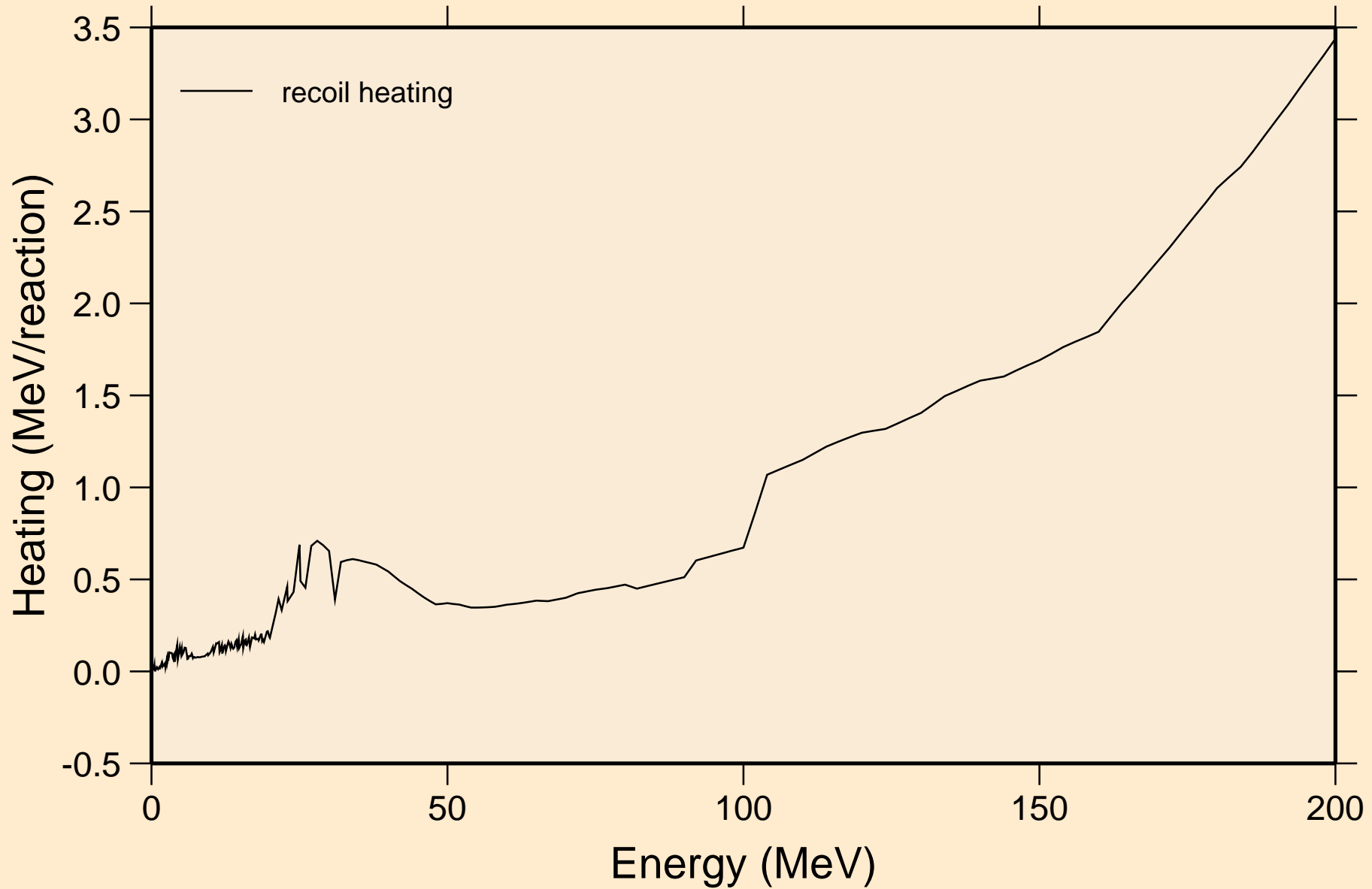
# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

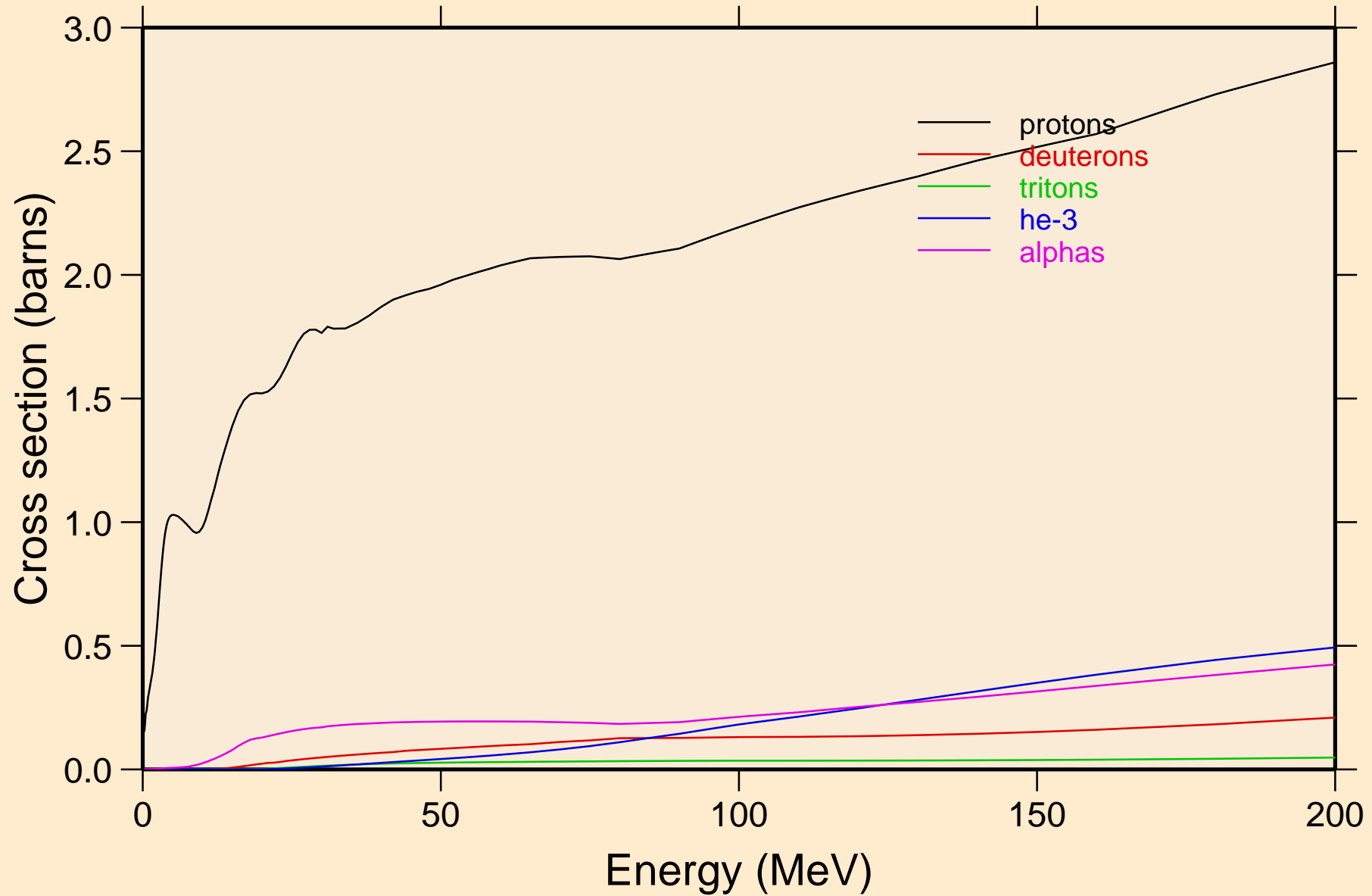


# GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

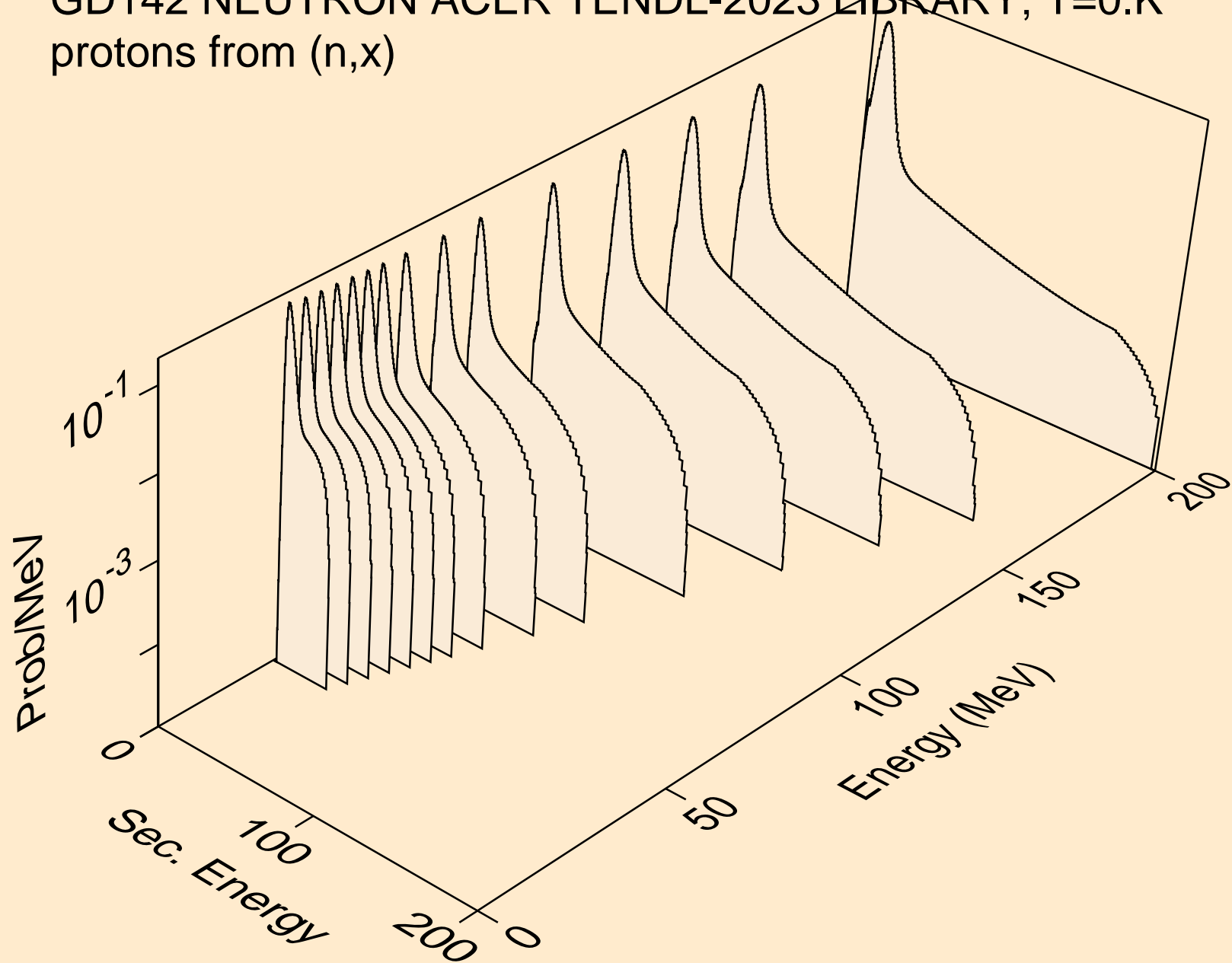
## Recoil Heating



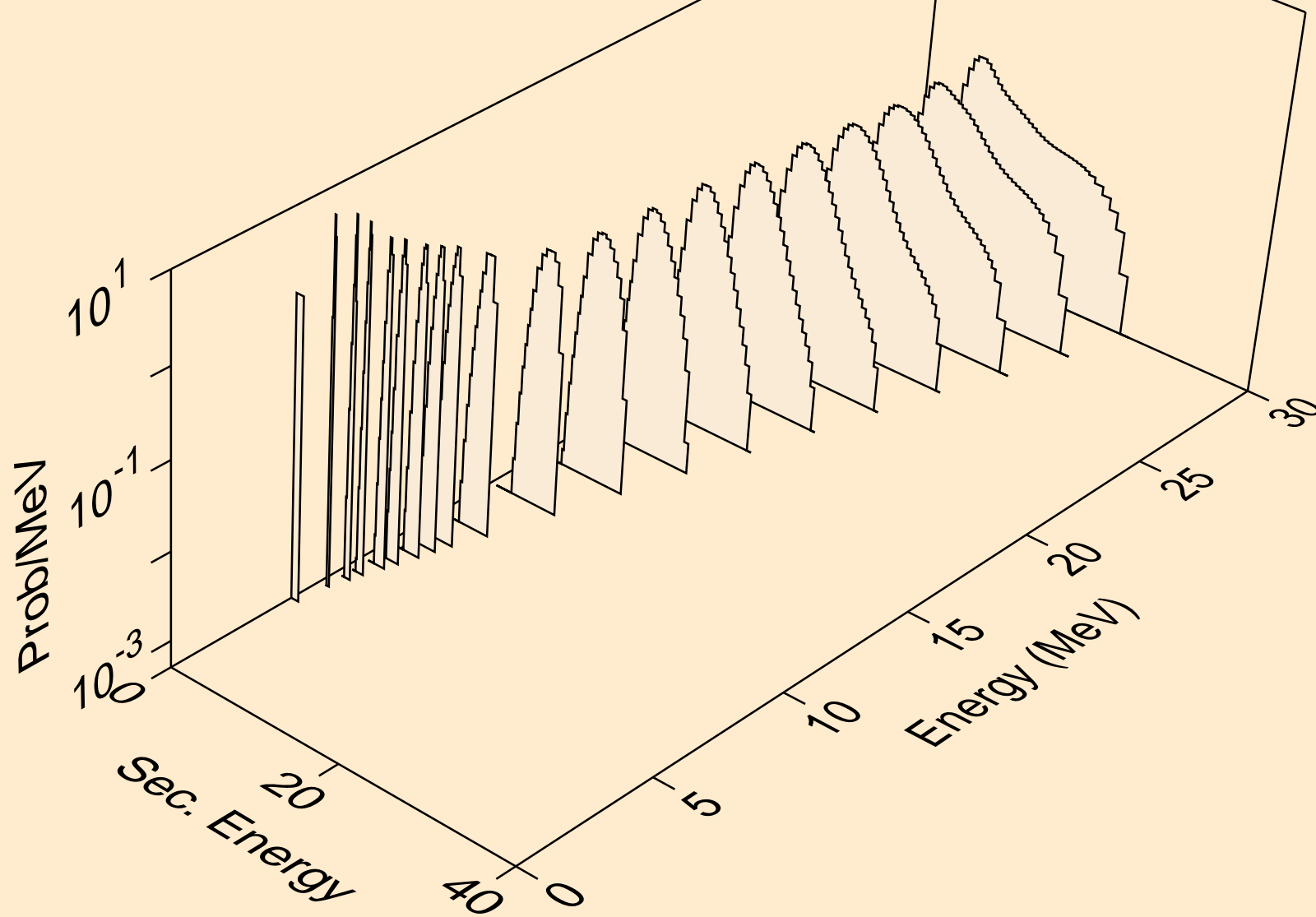
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



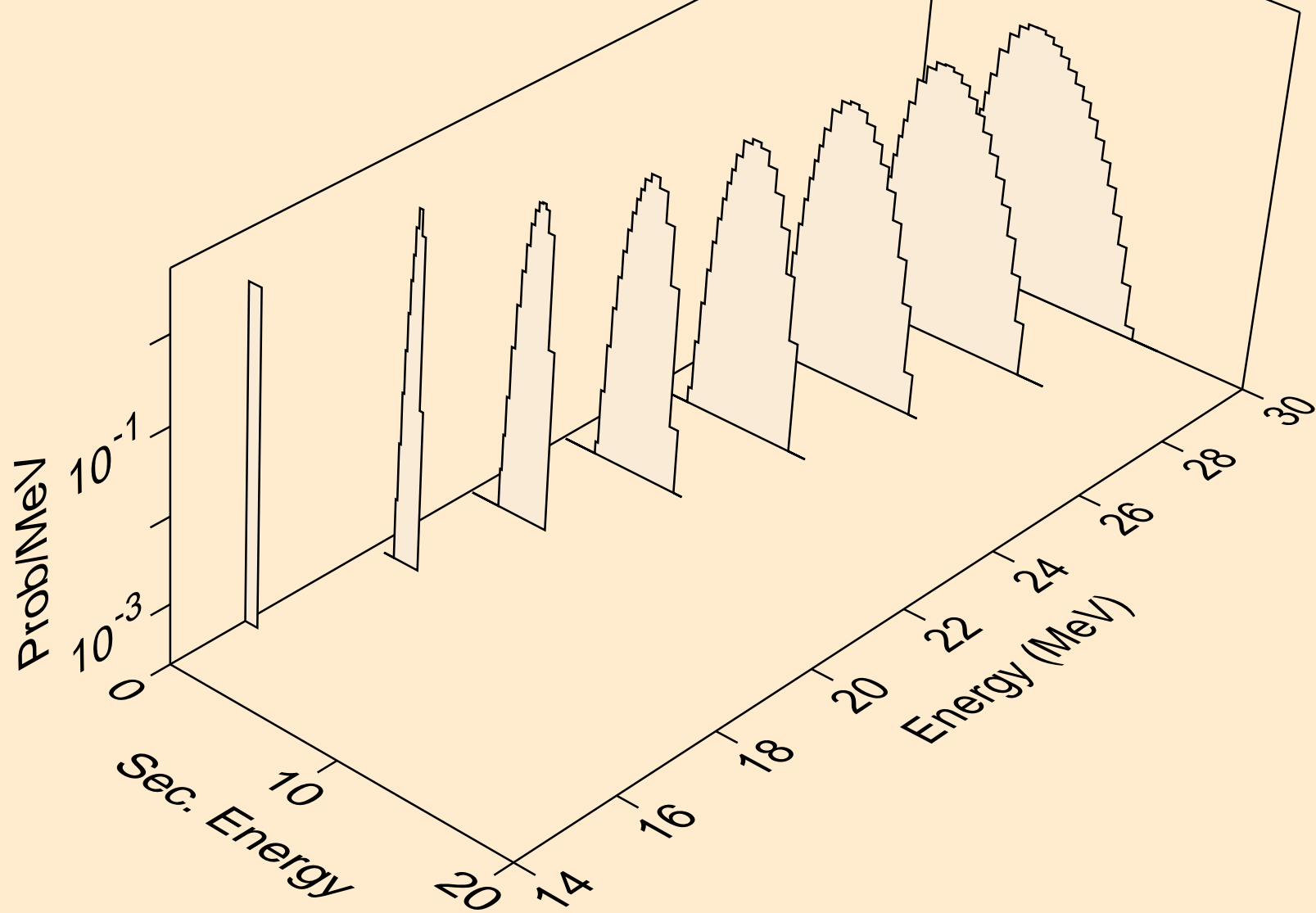
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



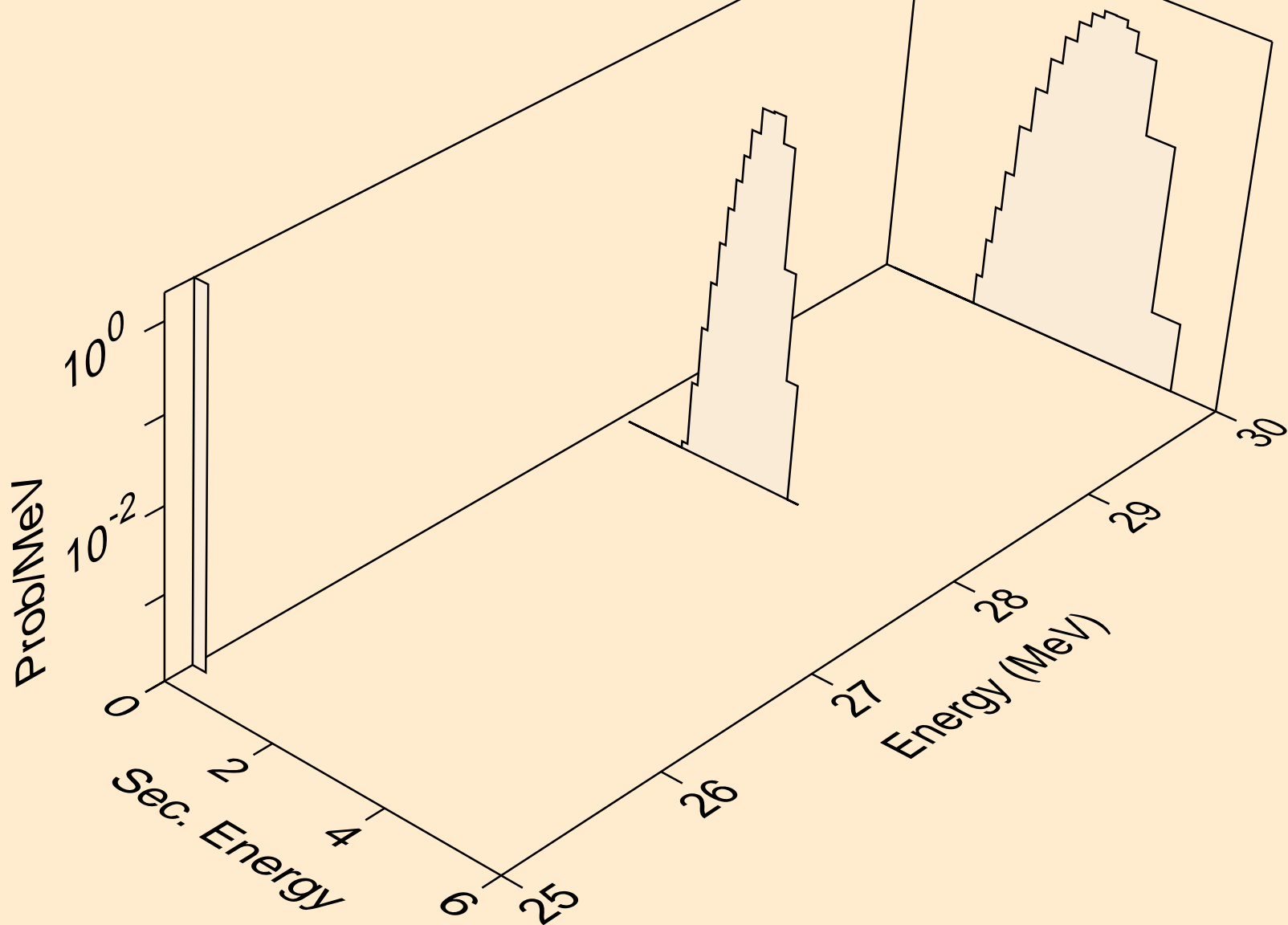
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



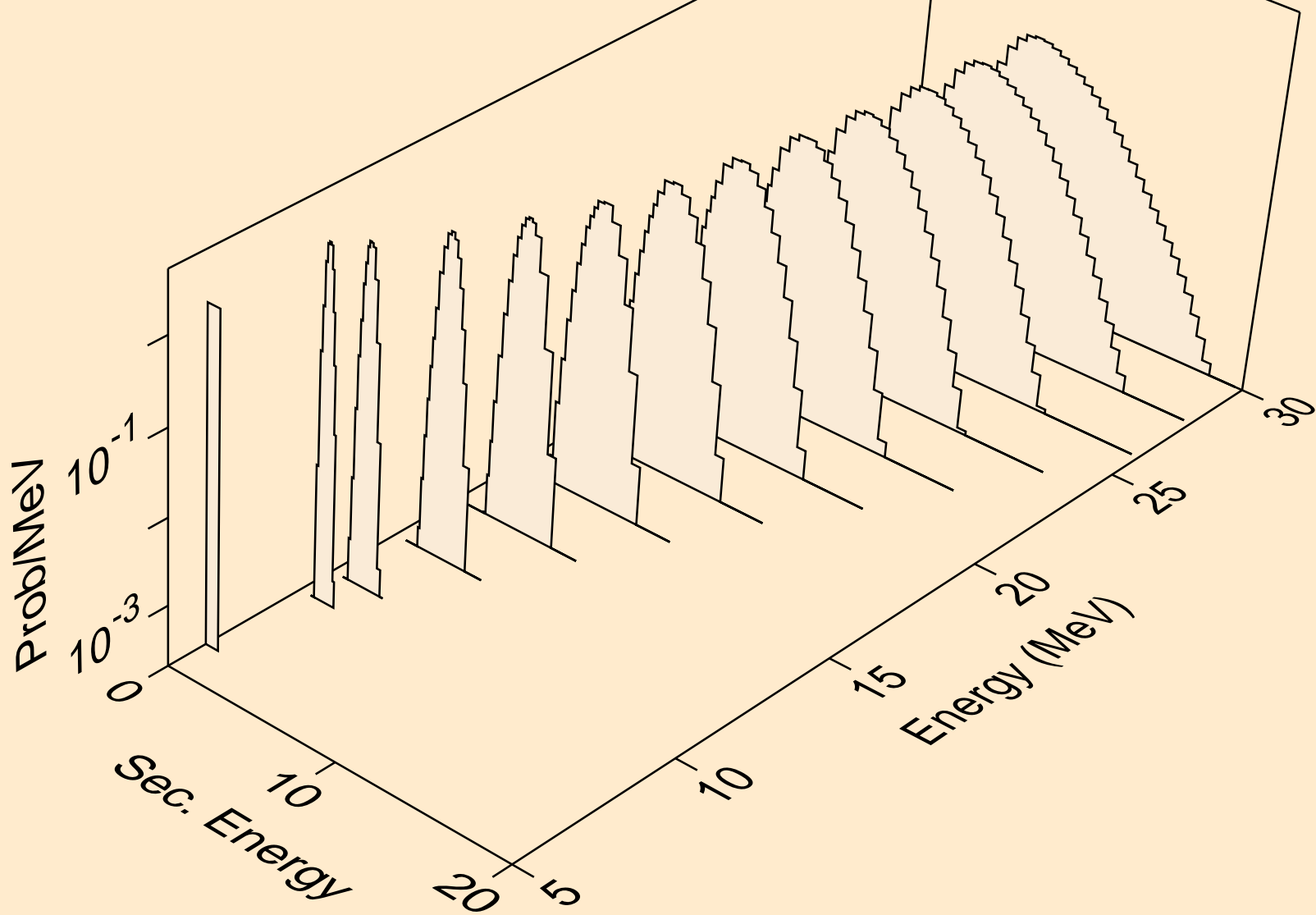
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)

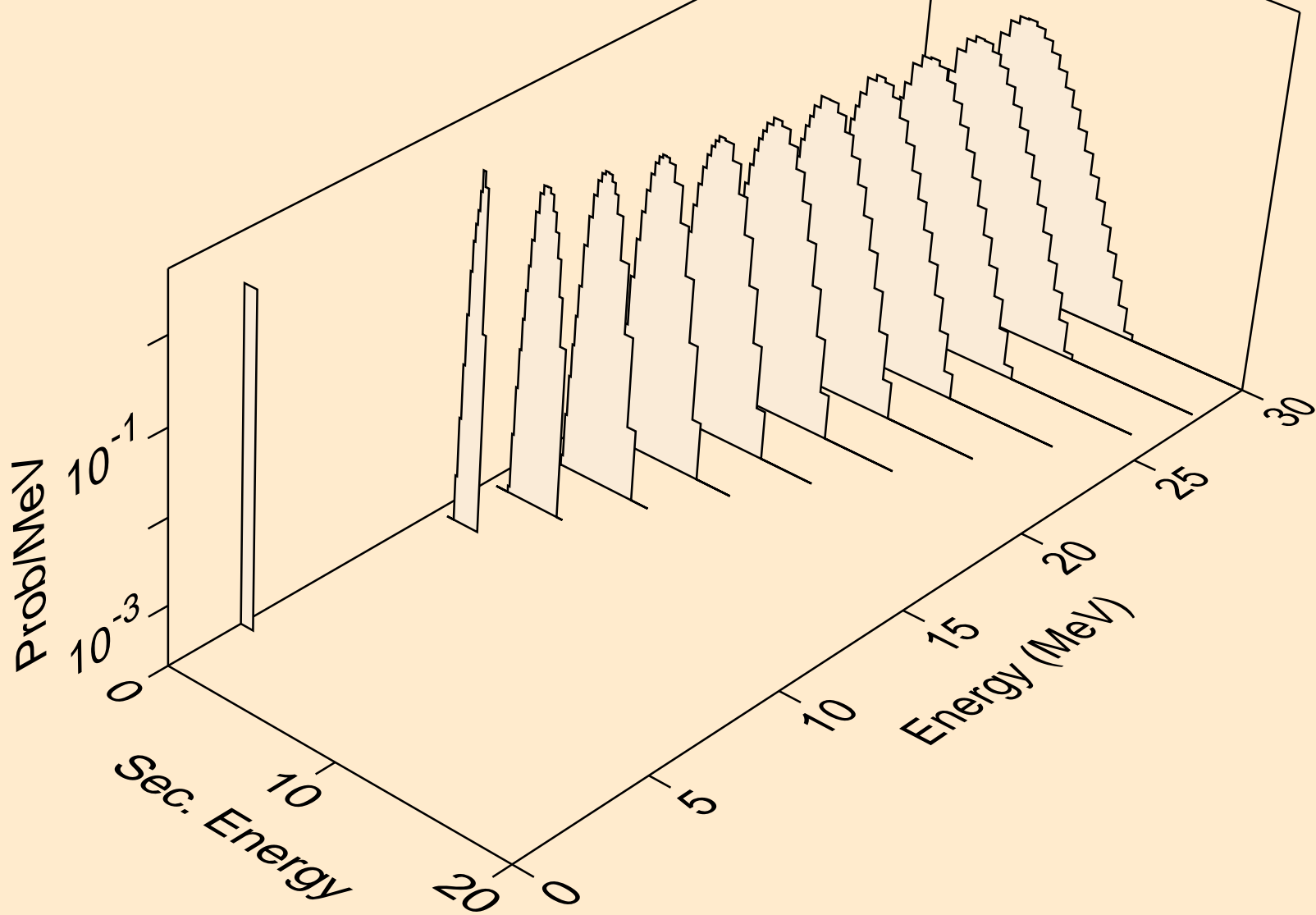


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

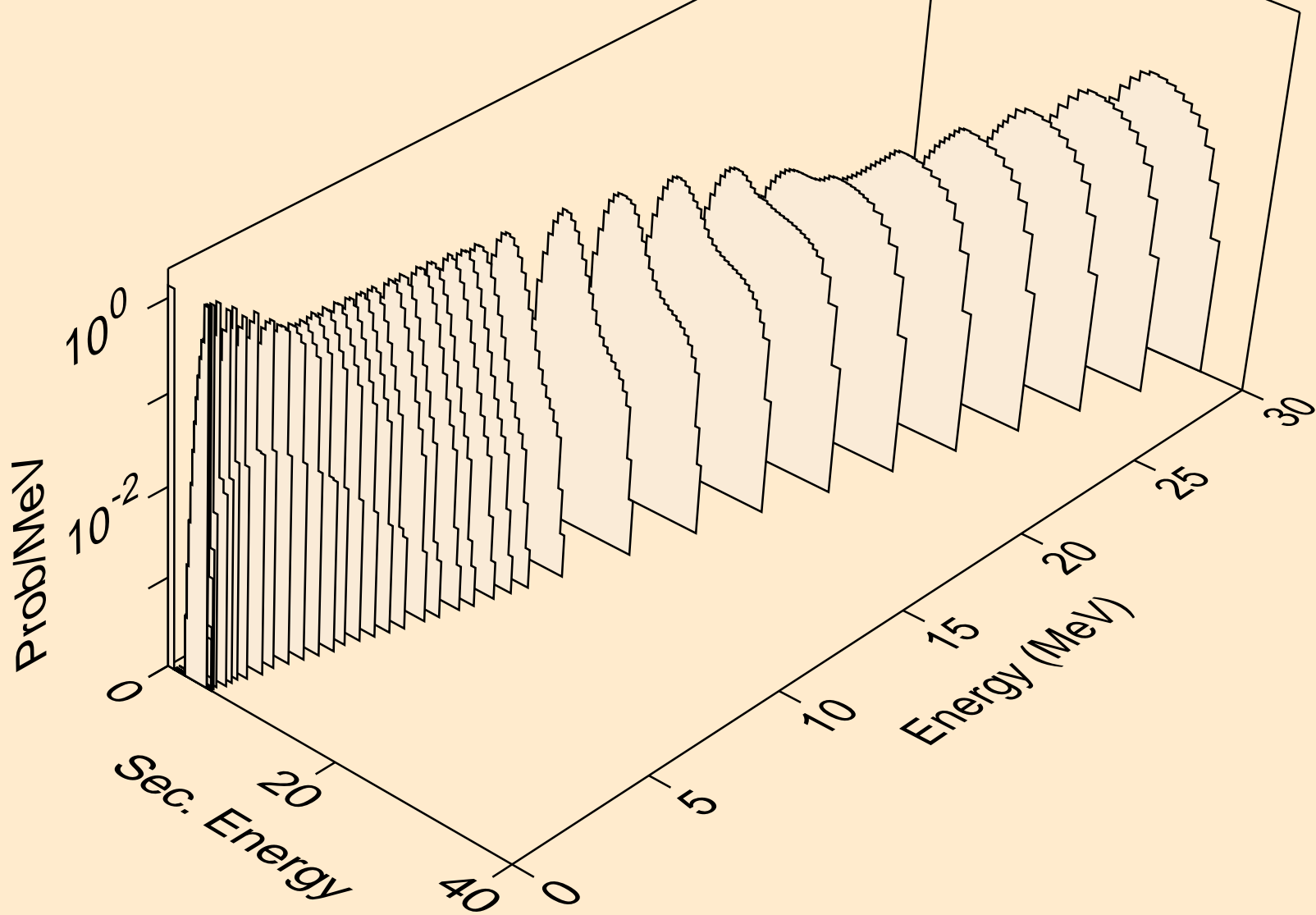




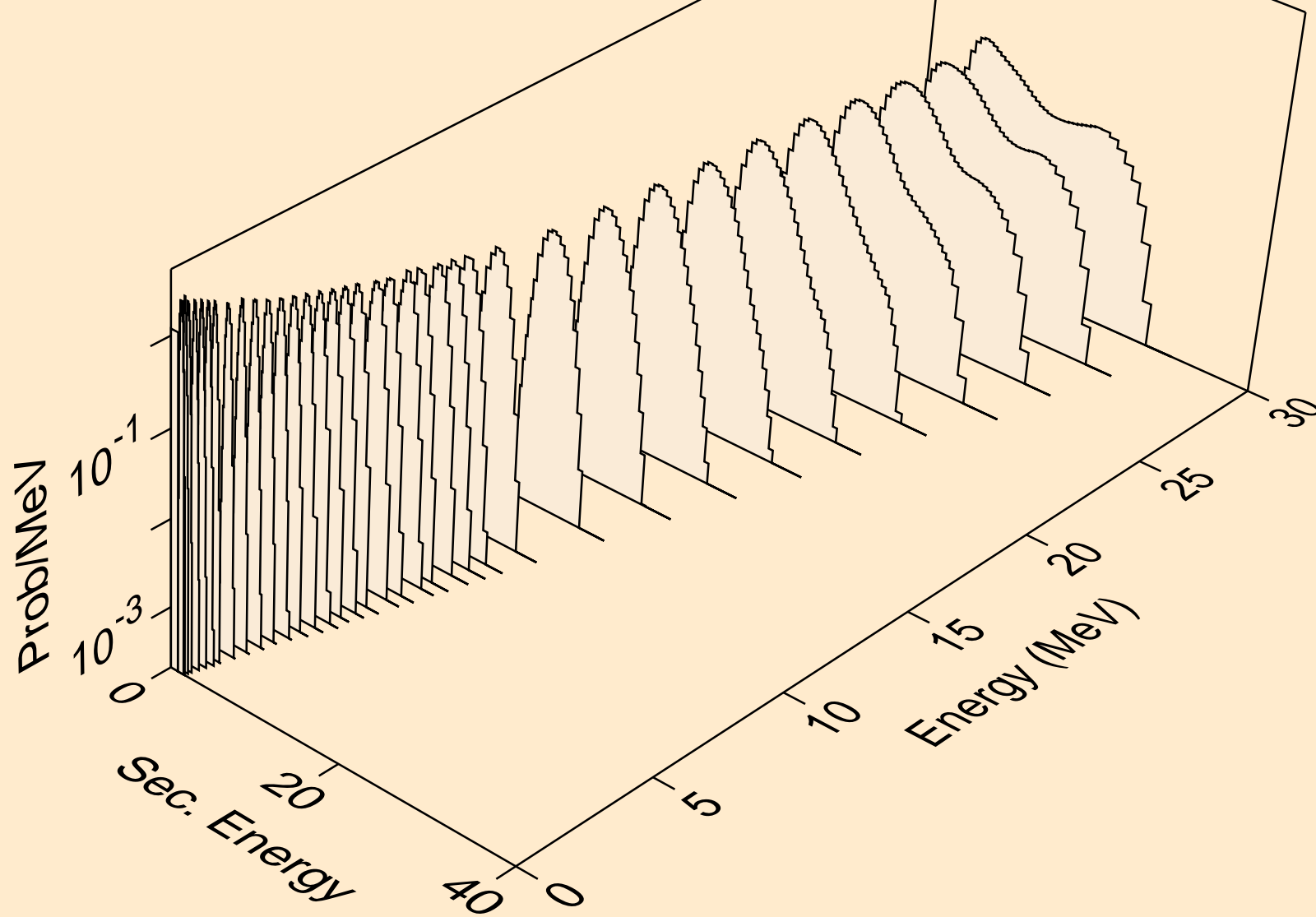
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



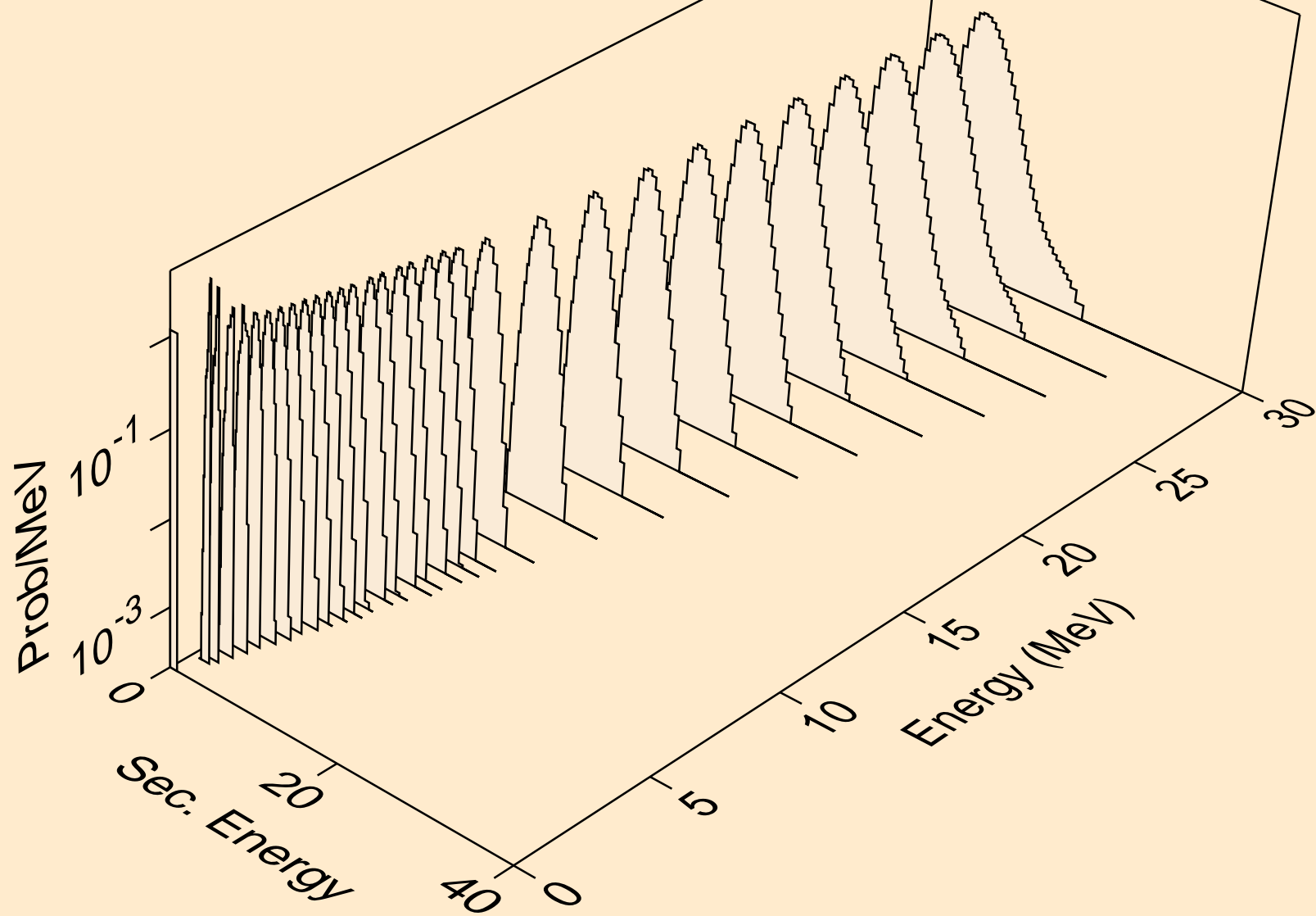
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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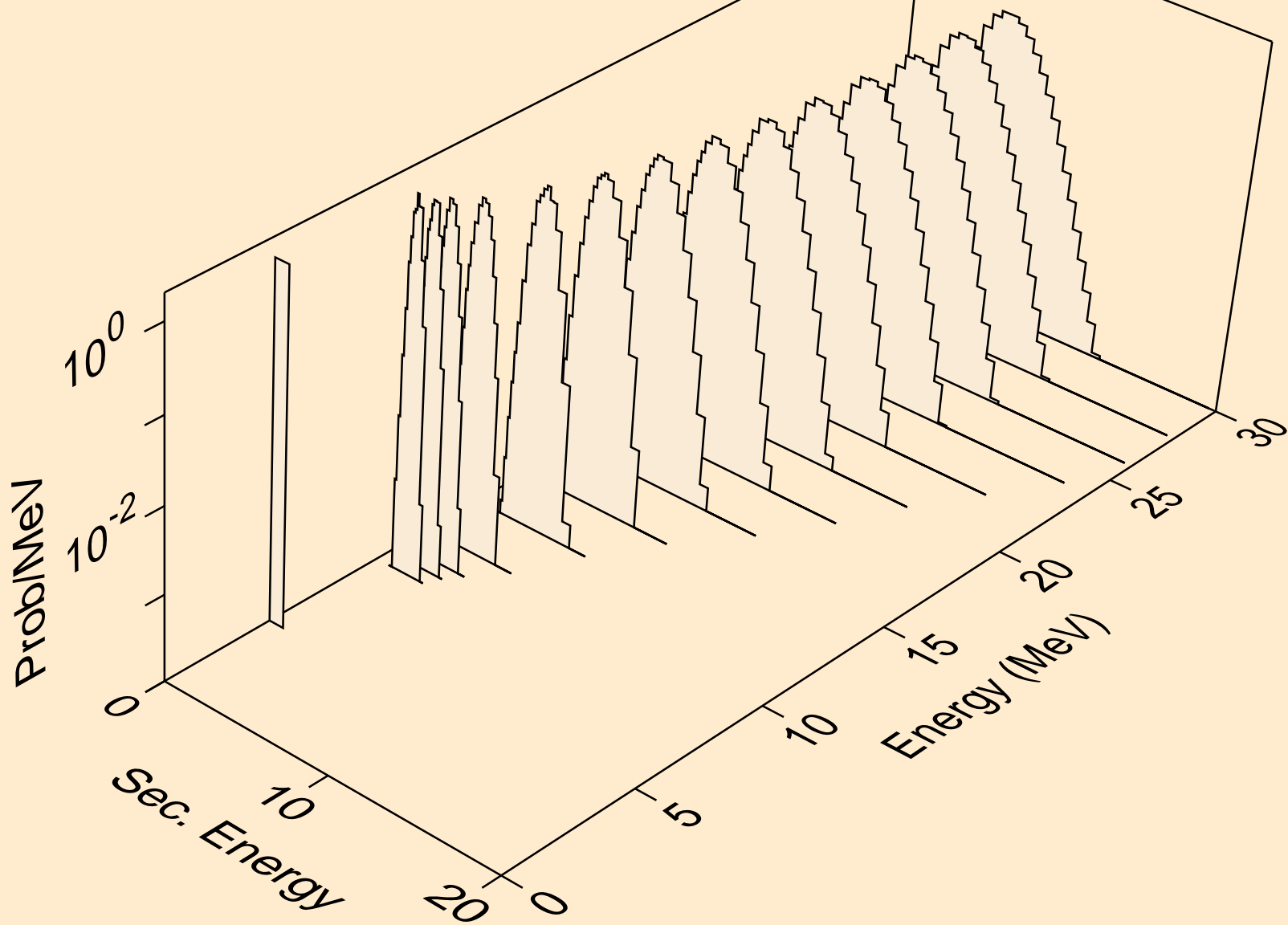
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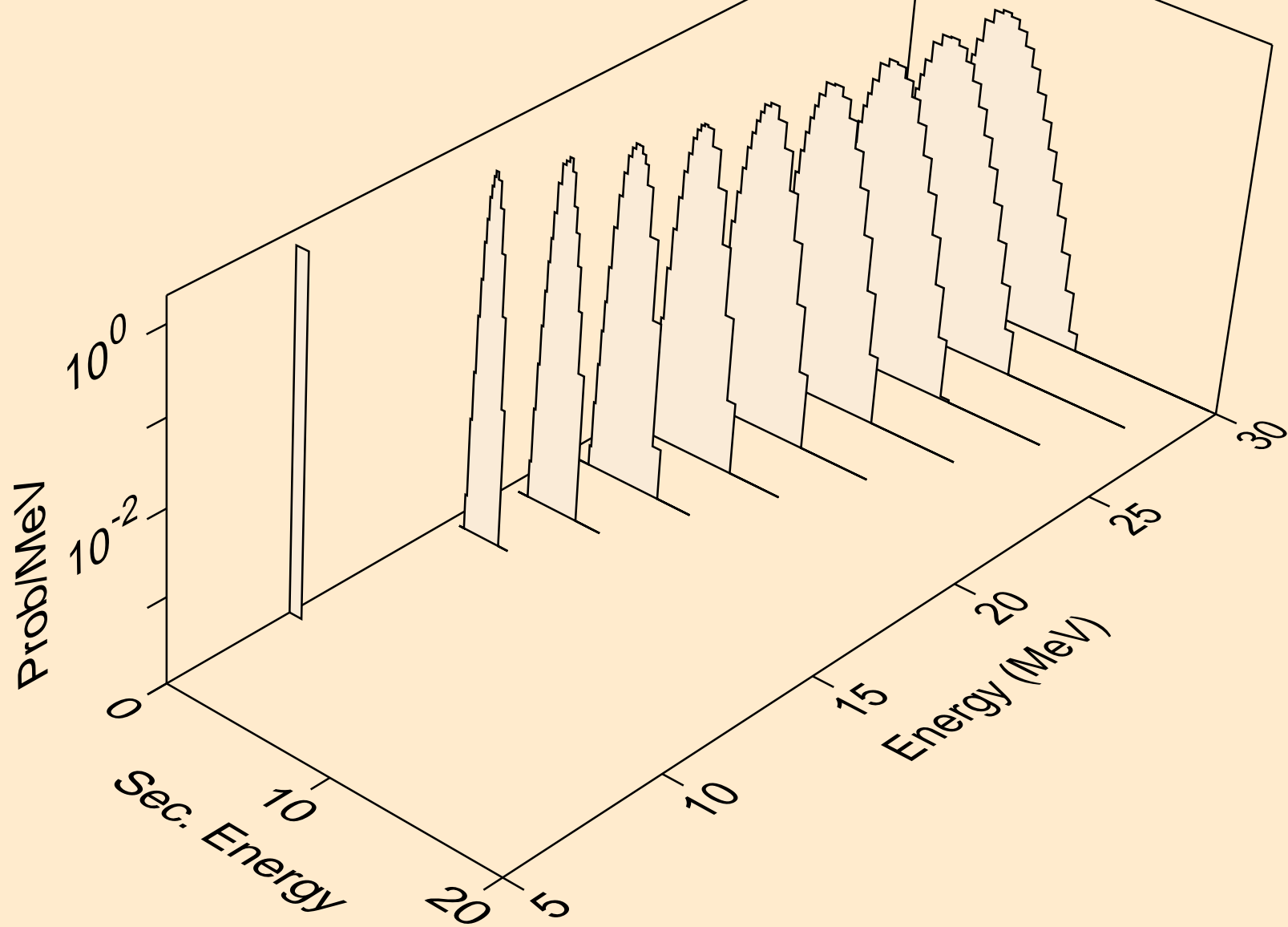
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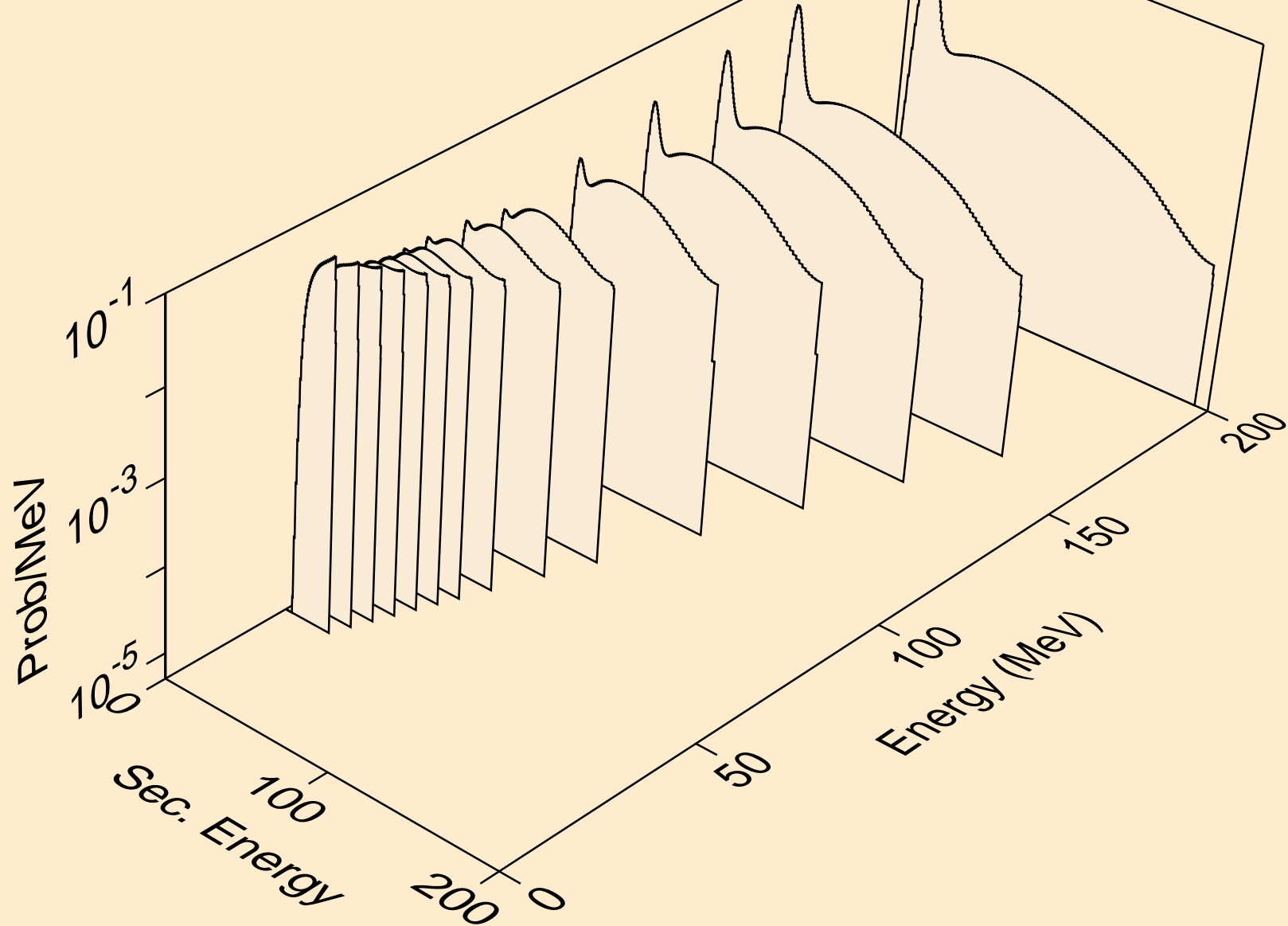
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



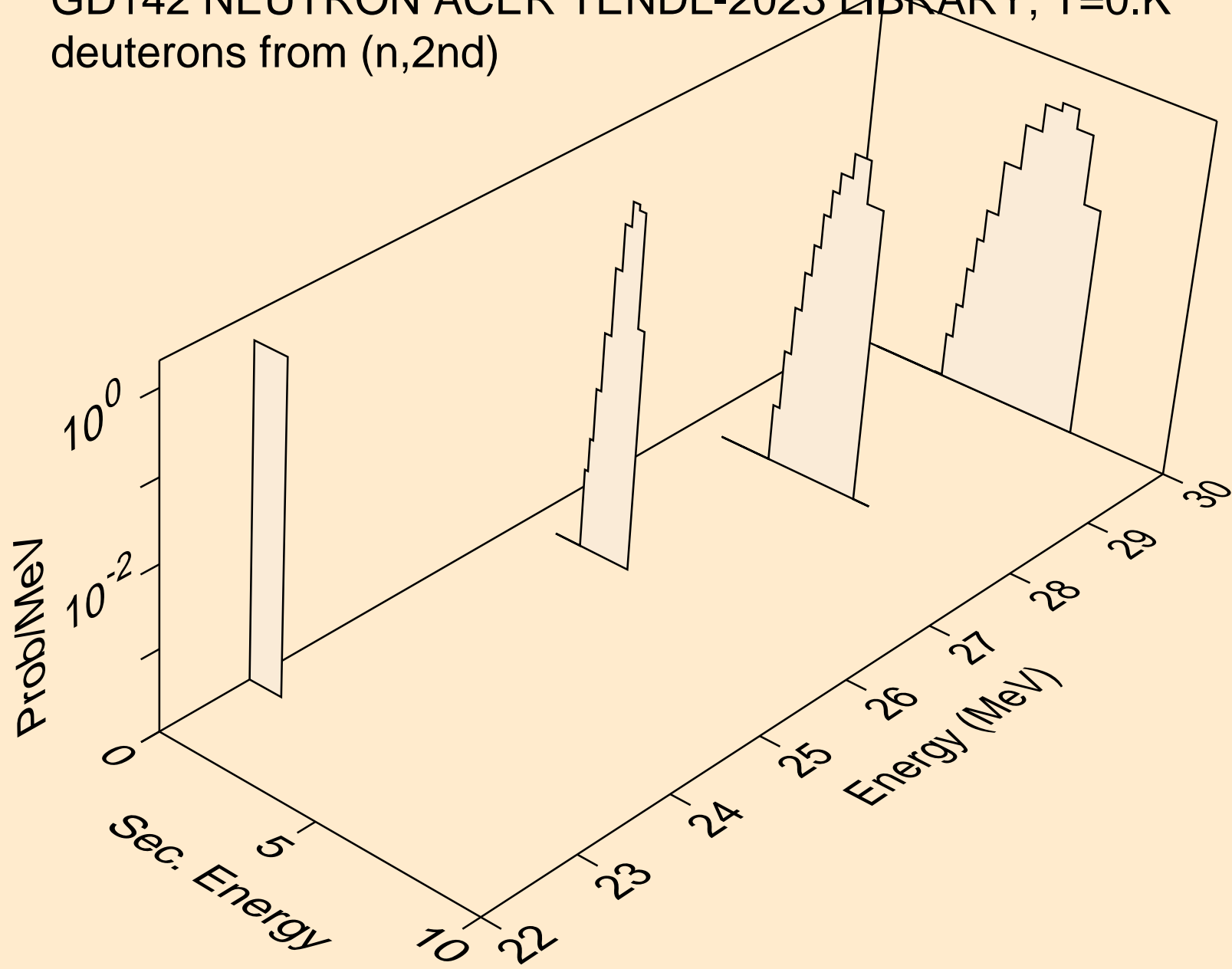
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

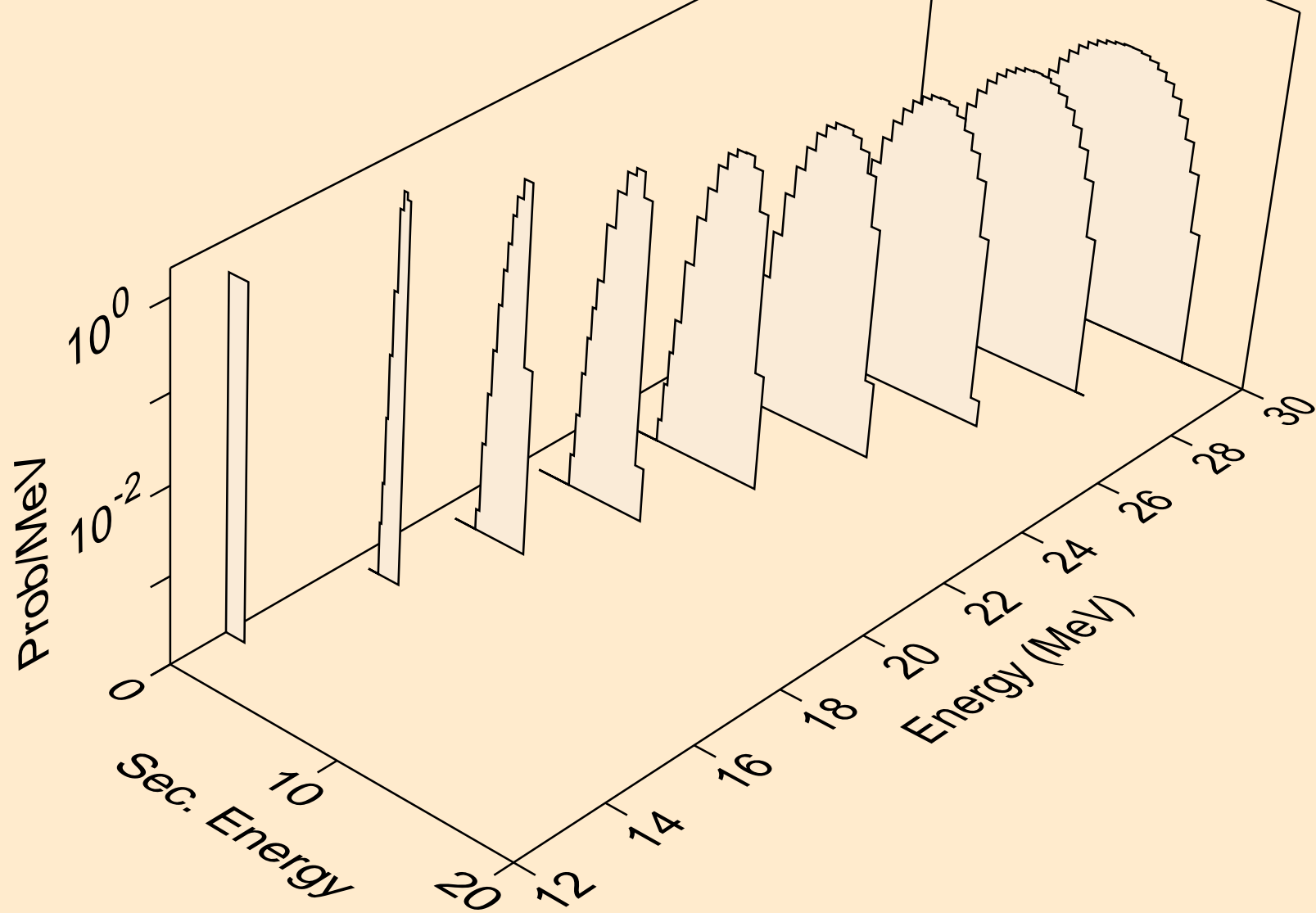


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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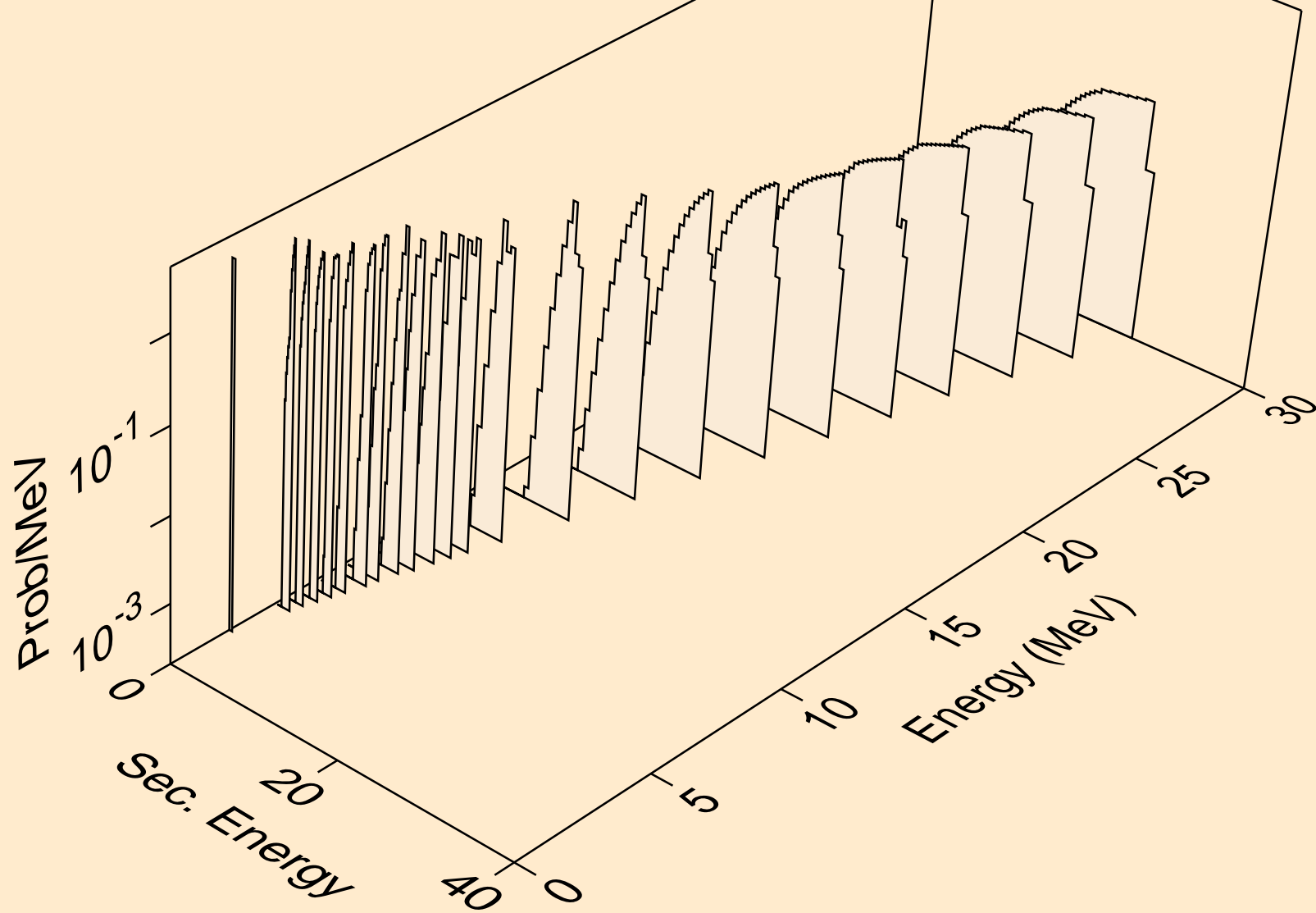




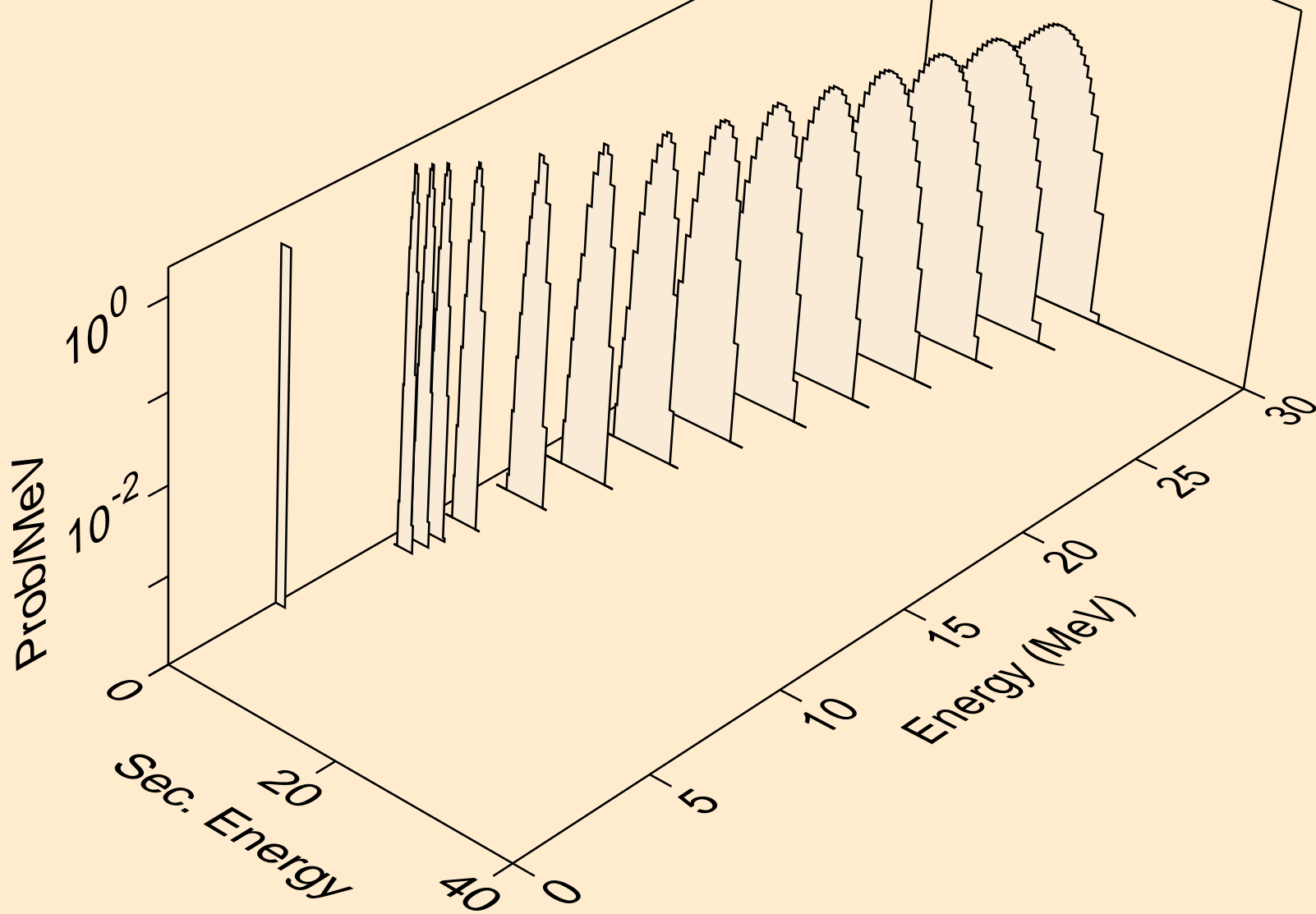
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



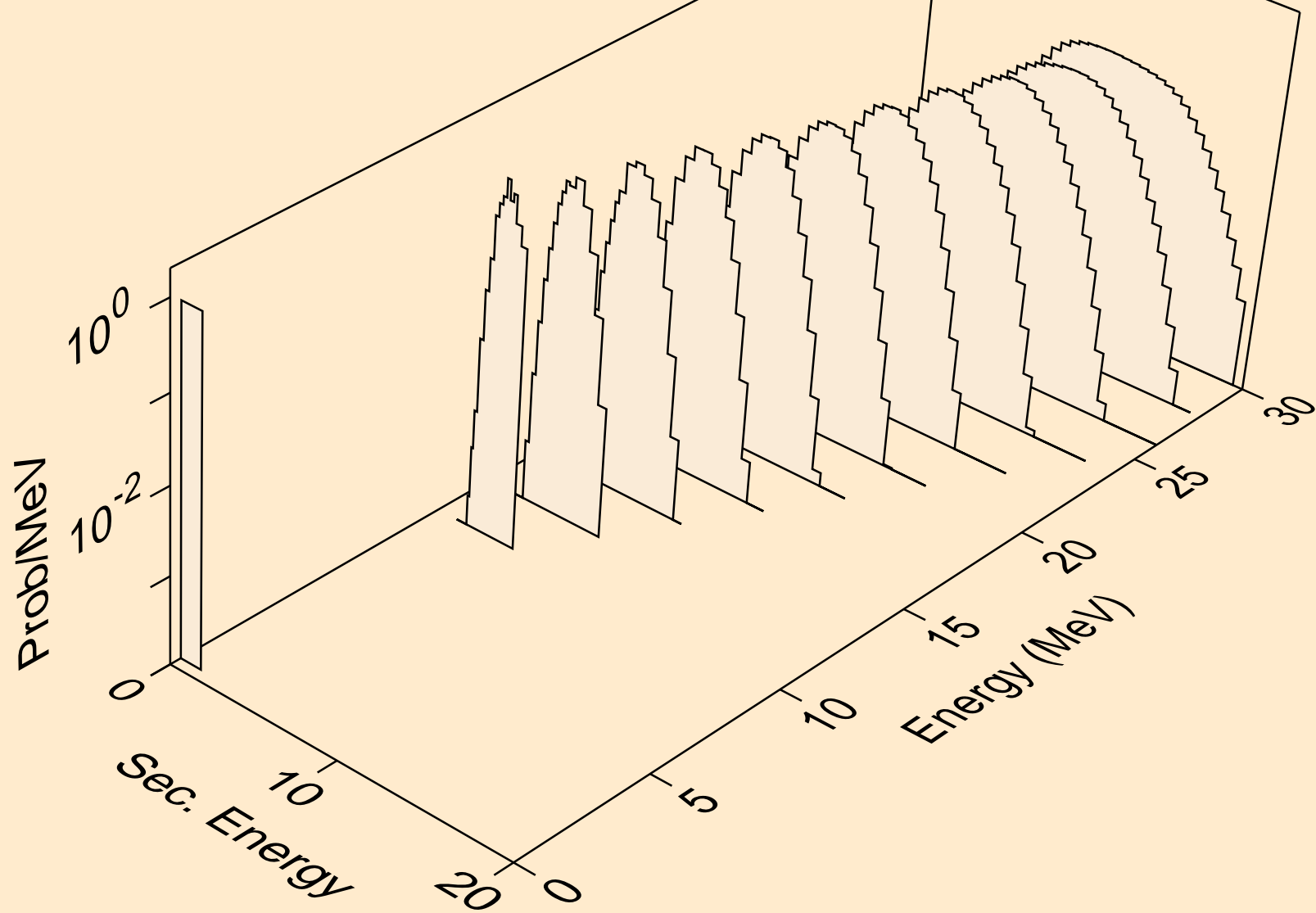
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



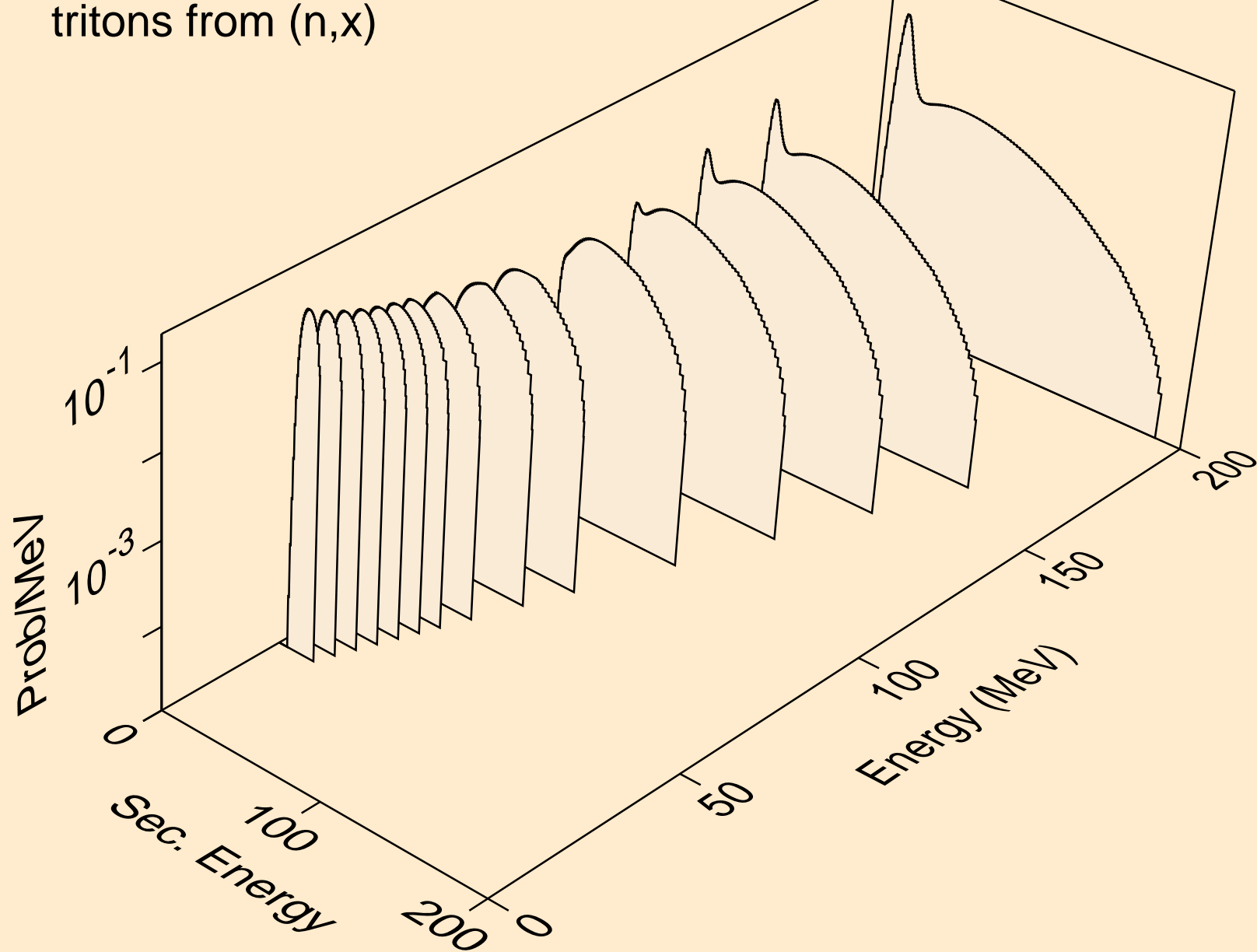
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



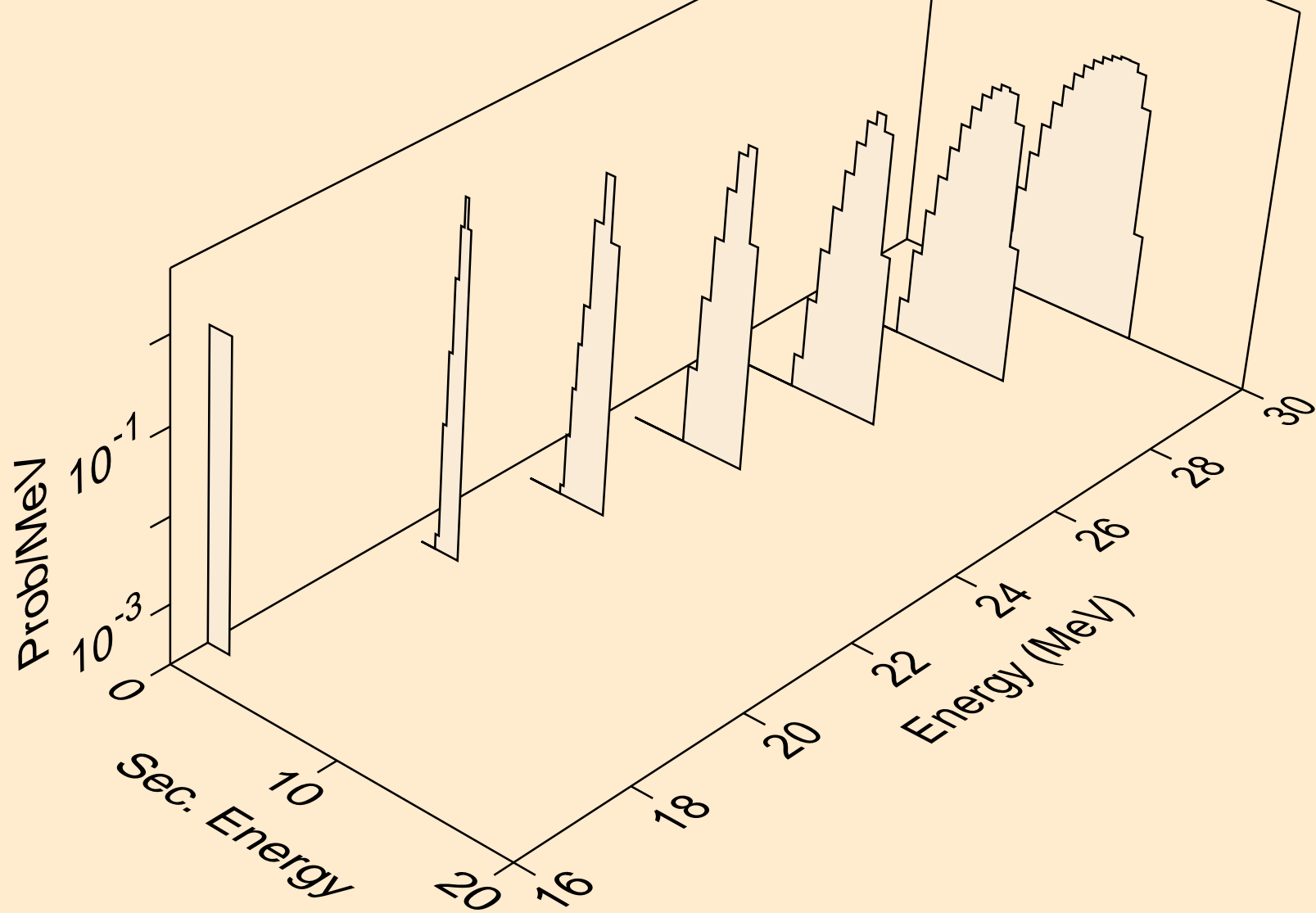
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



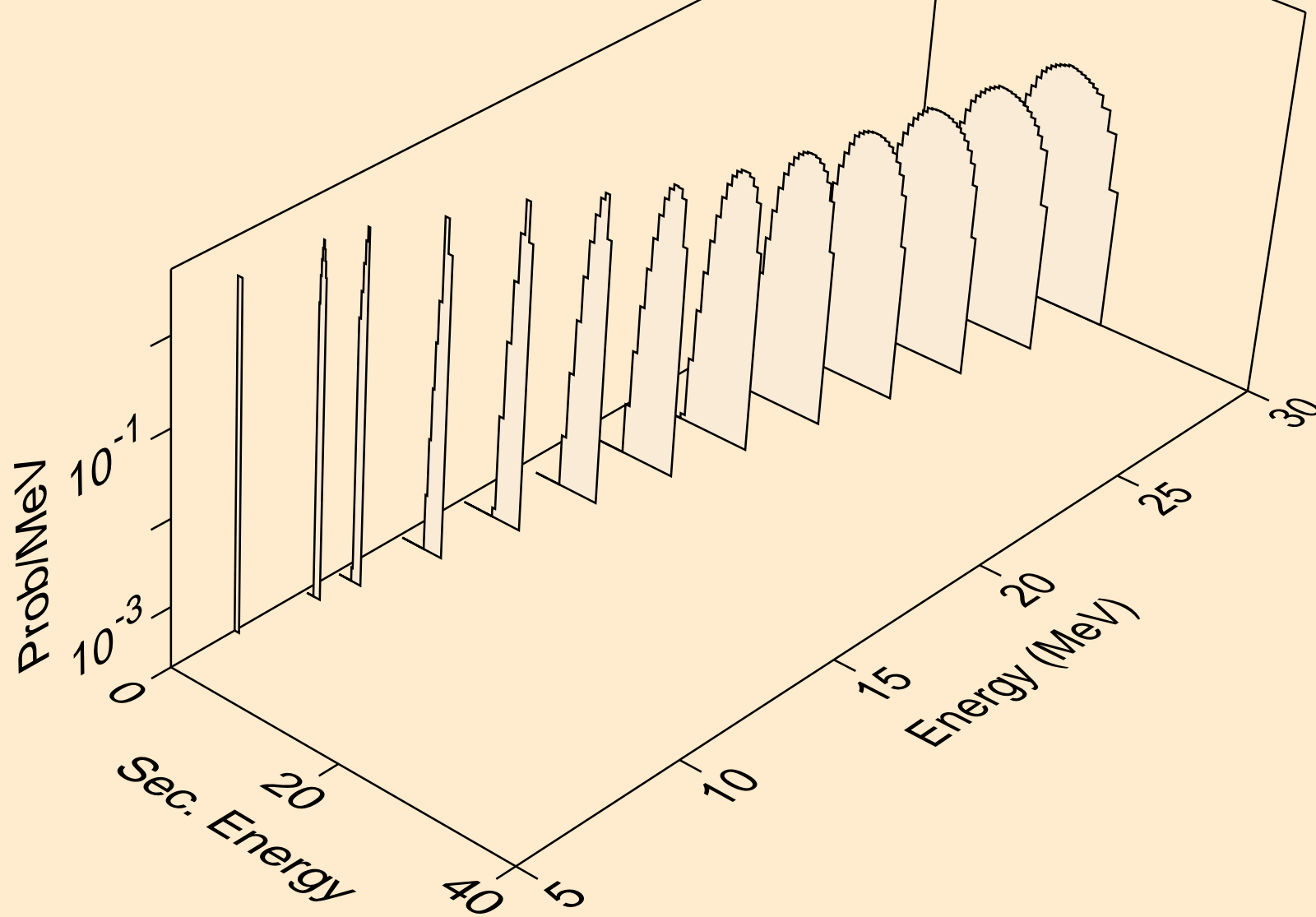
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



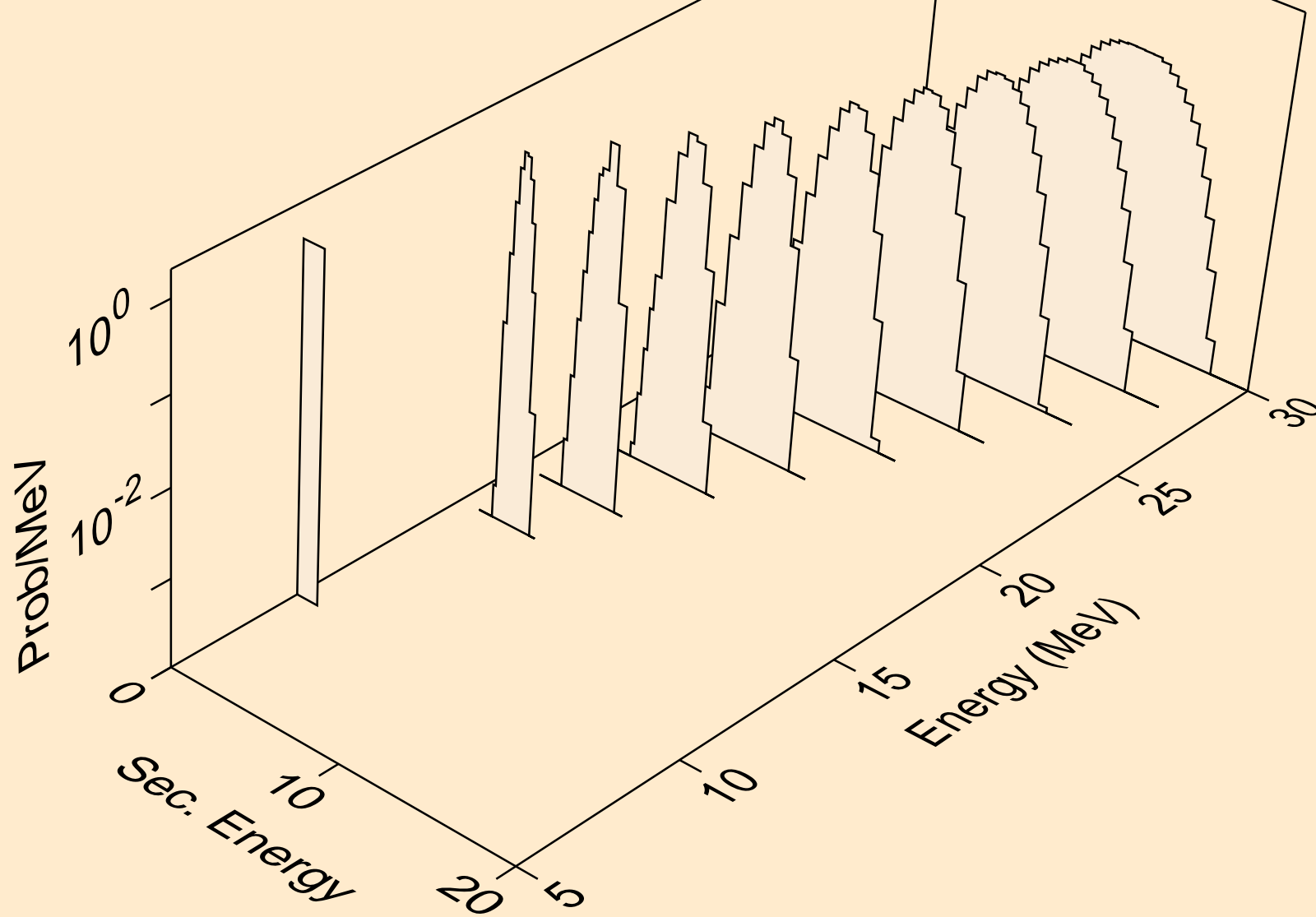
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

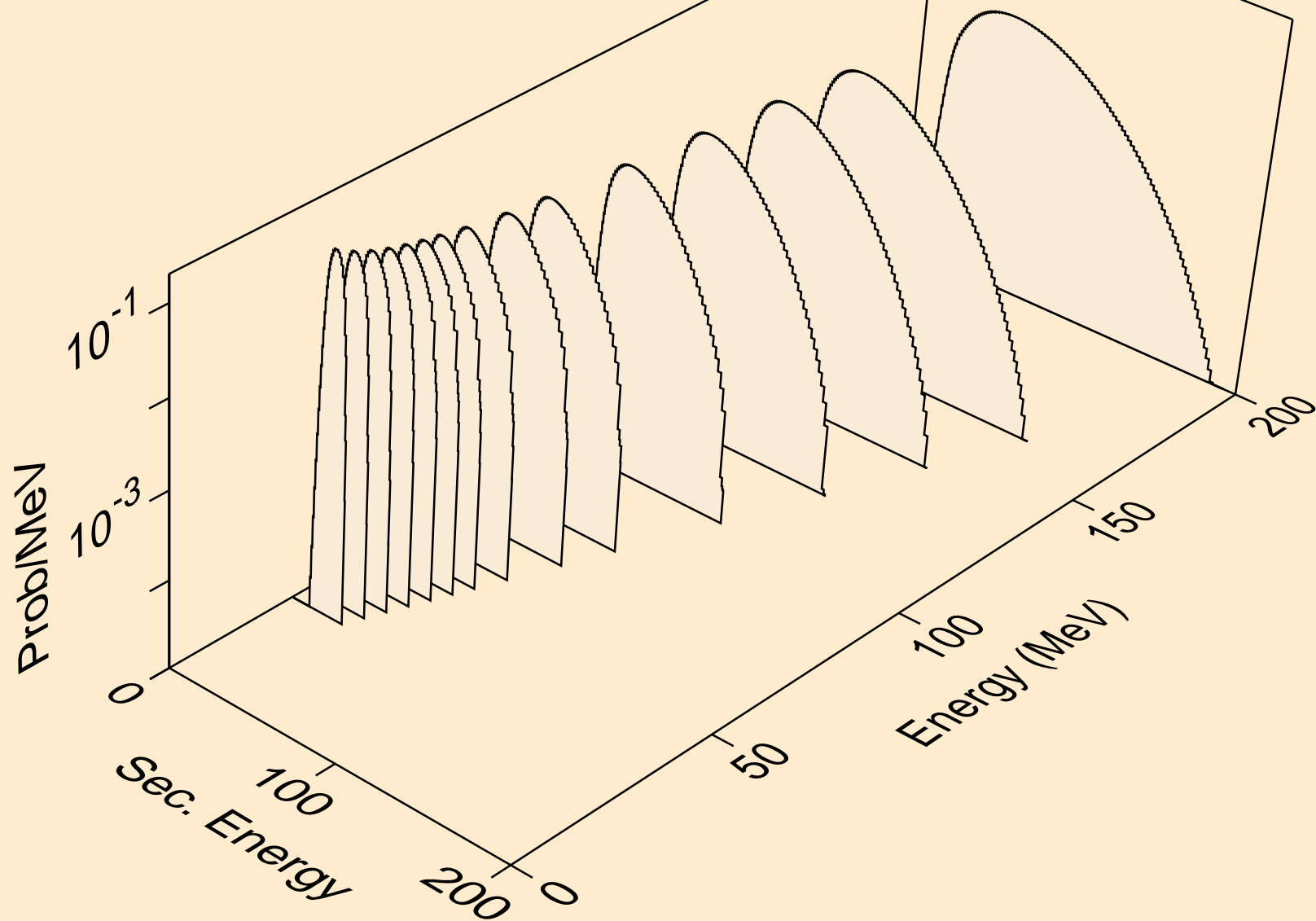


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

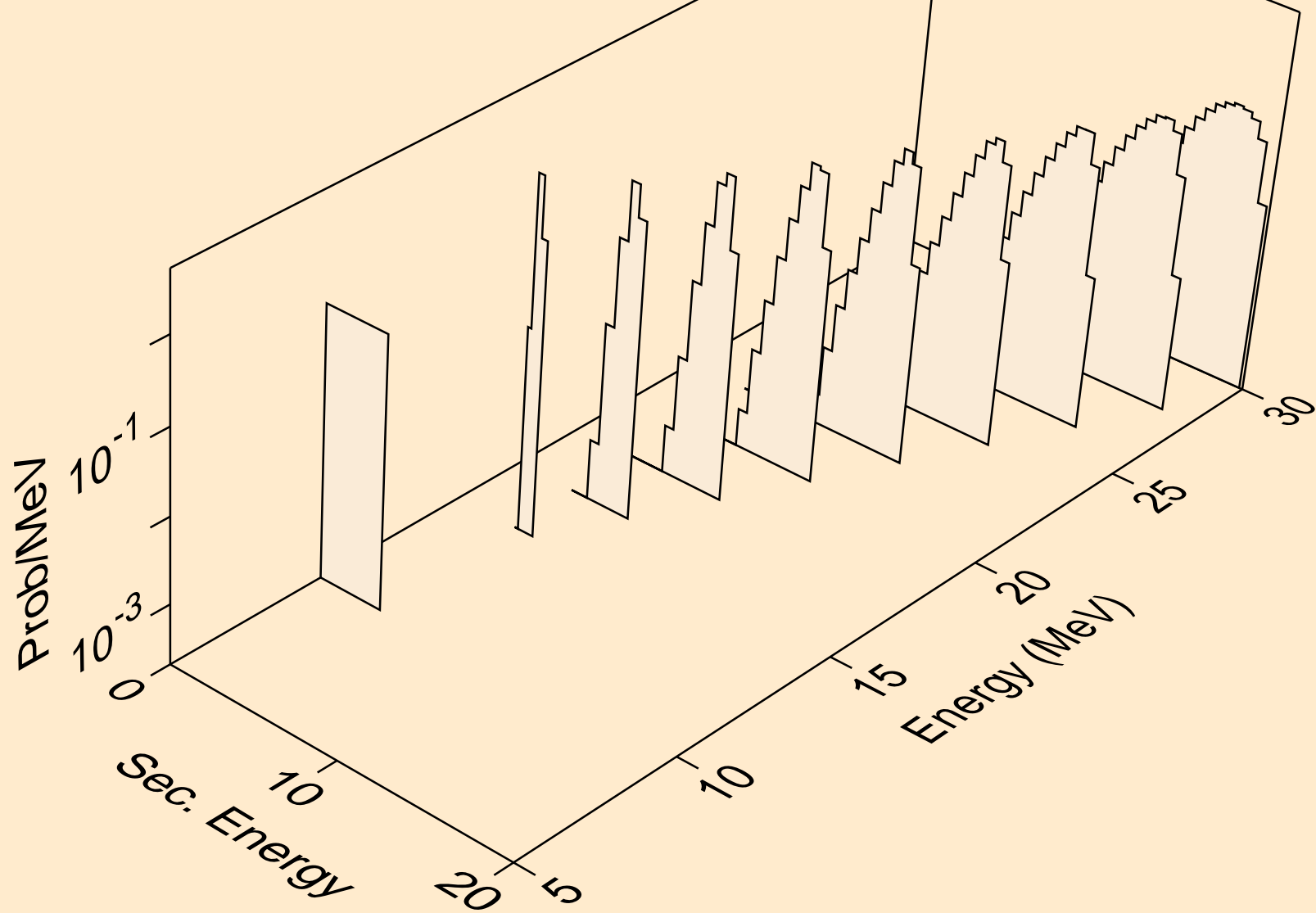




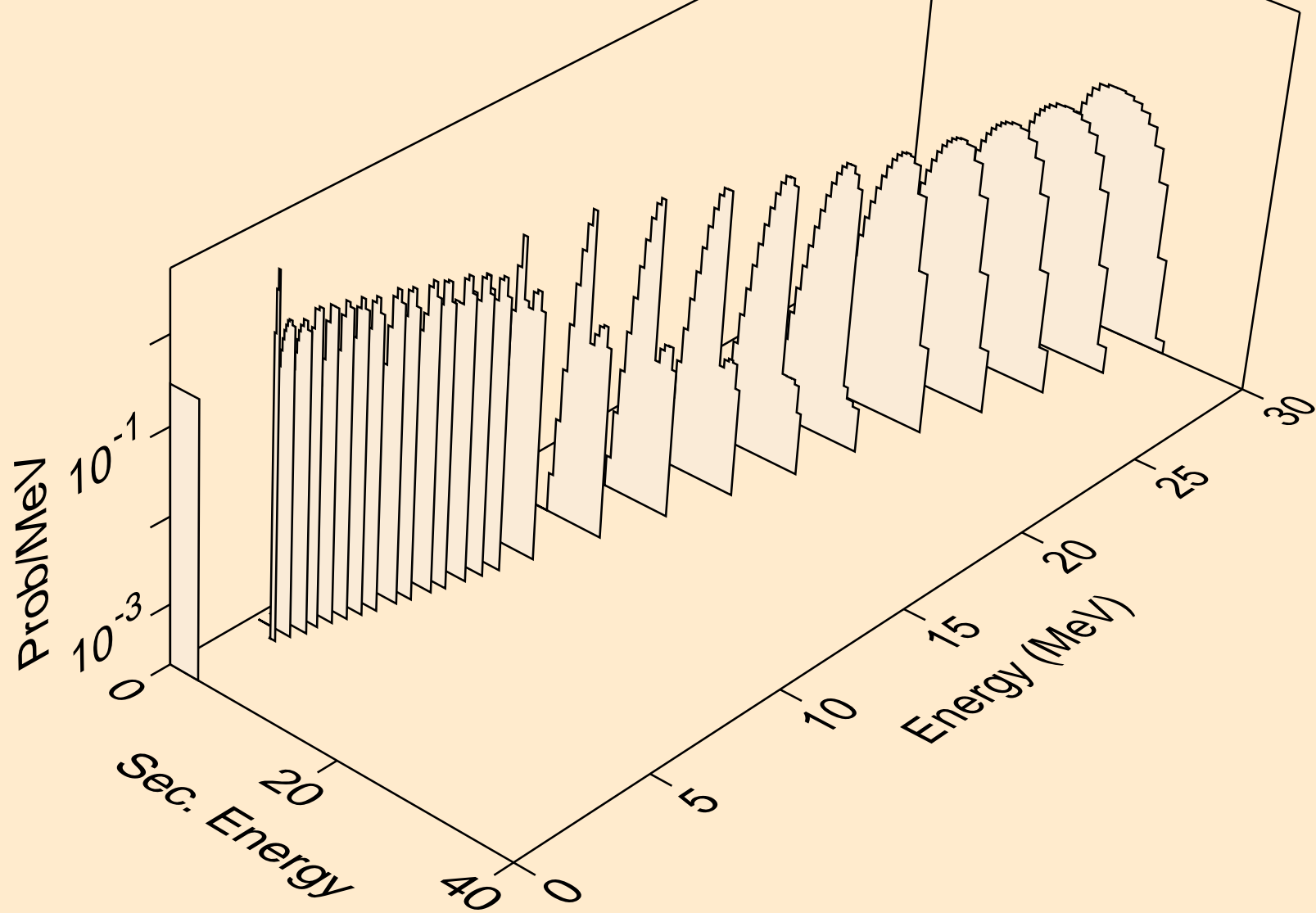
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



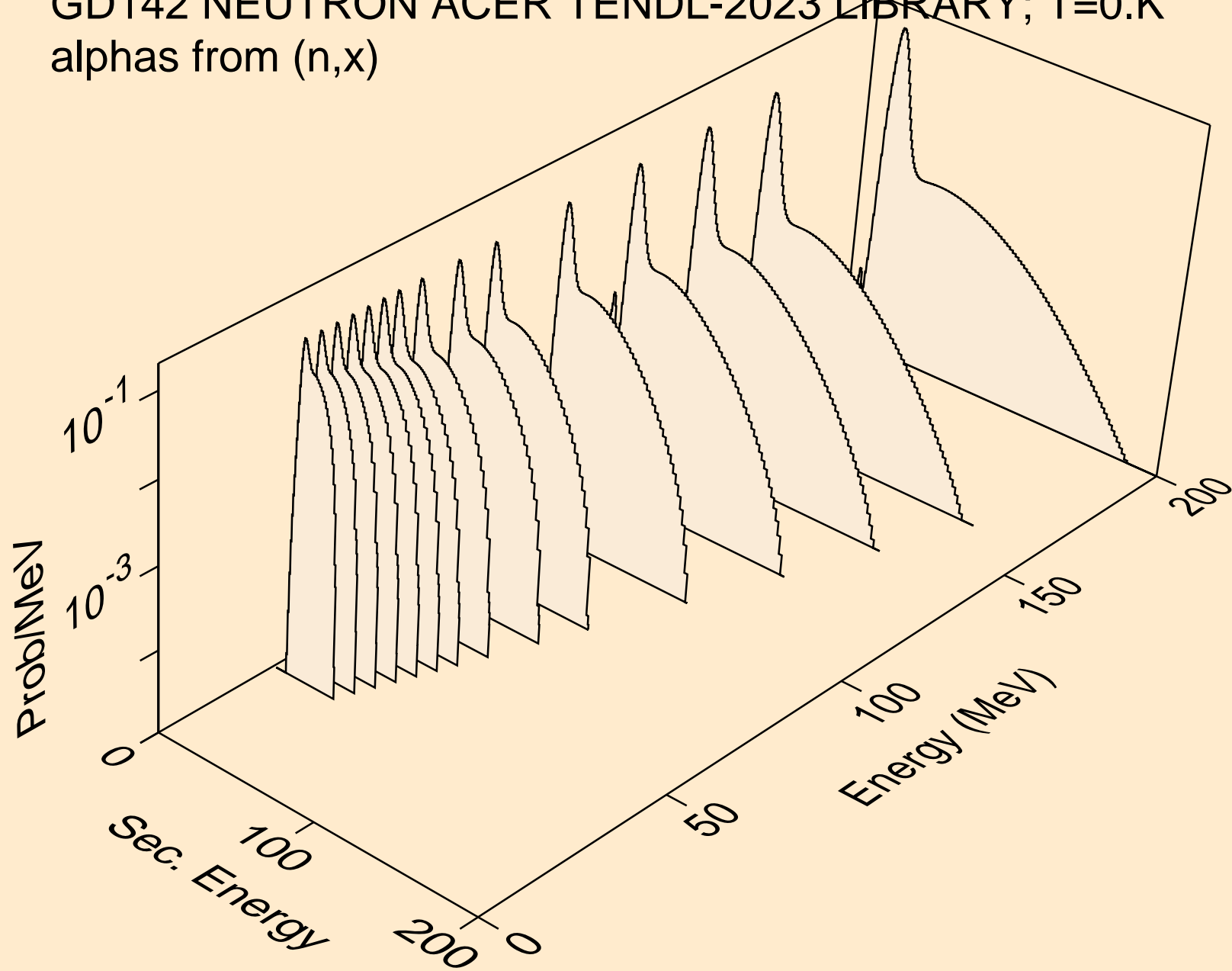
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he3s from (n,n\*)he3



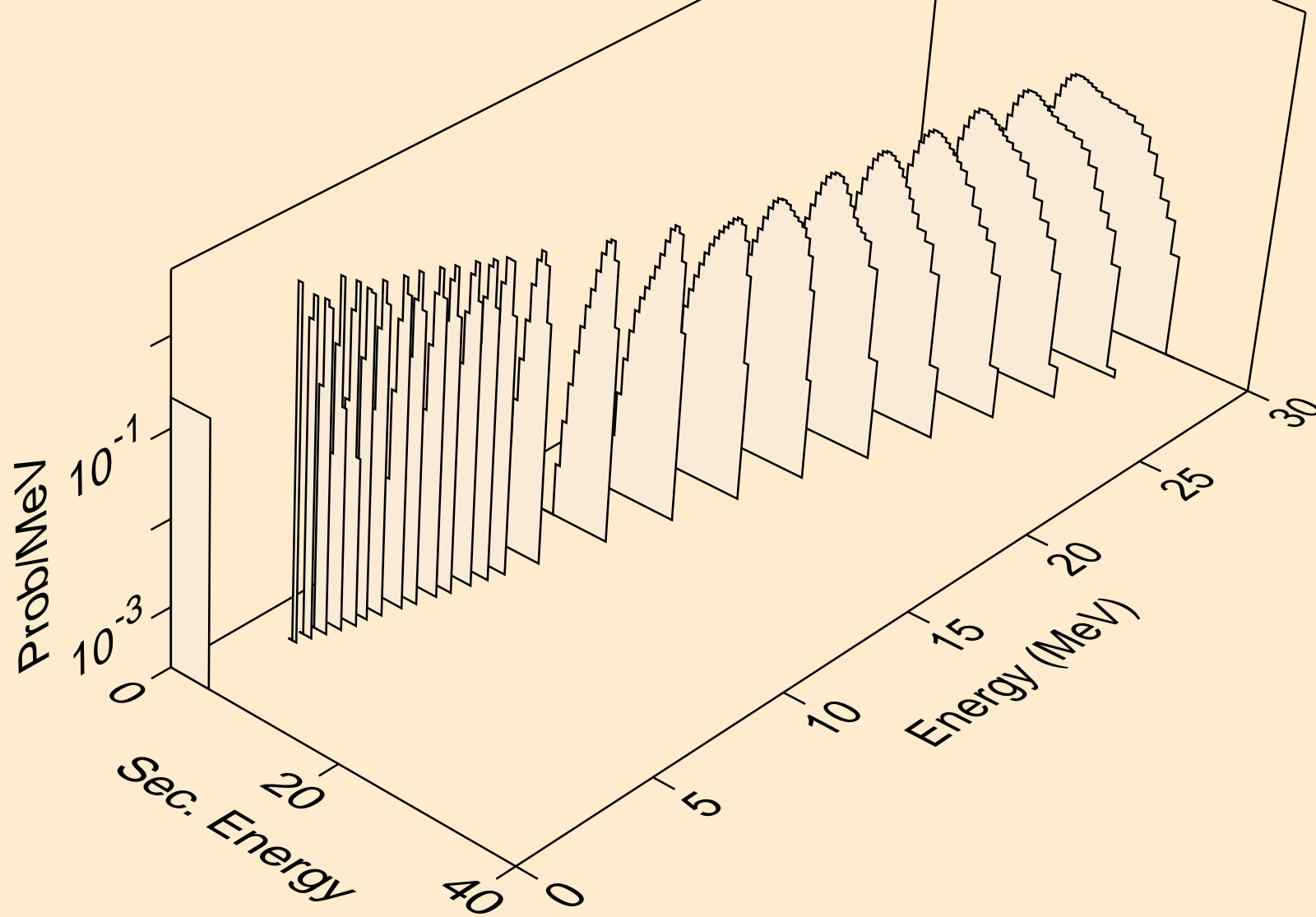
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he3s from (n,he3)



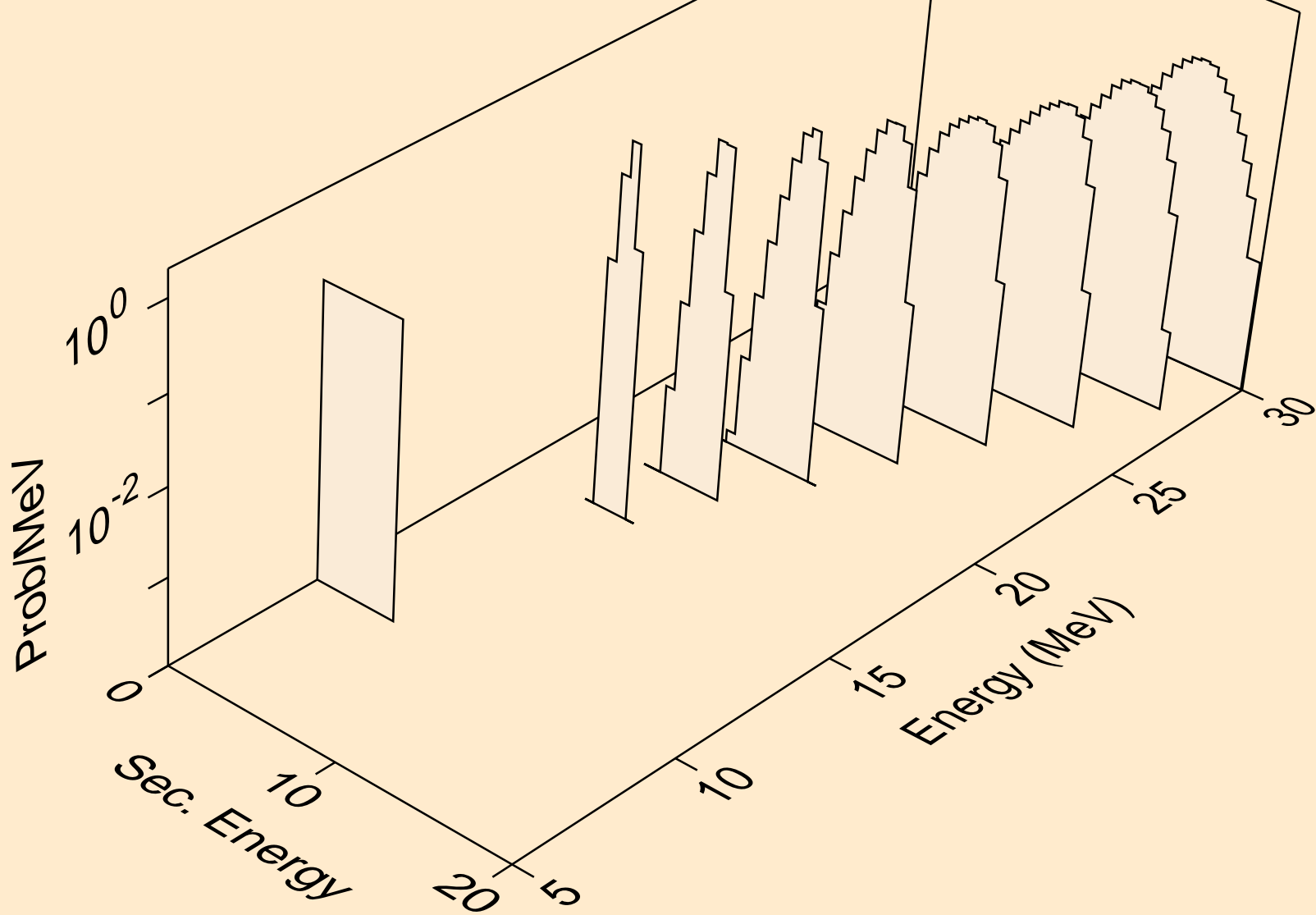
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



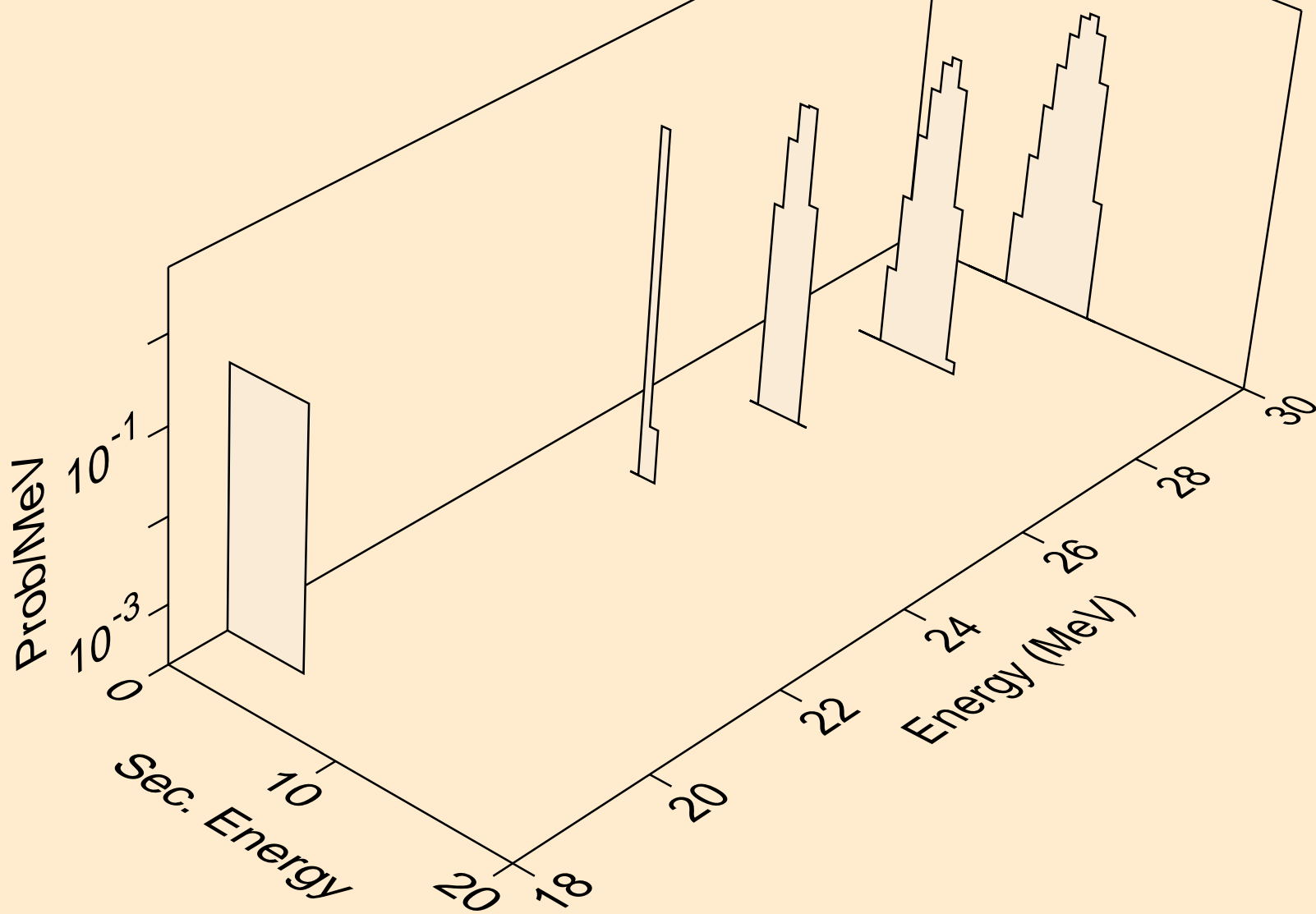
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



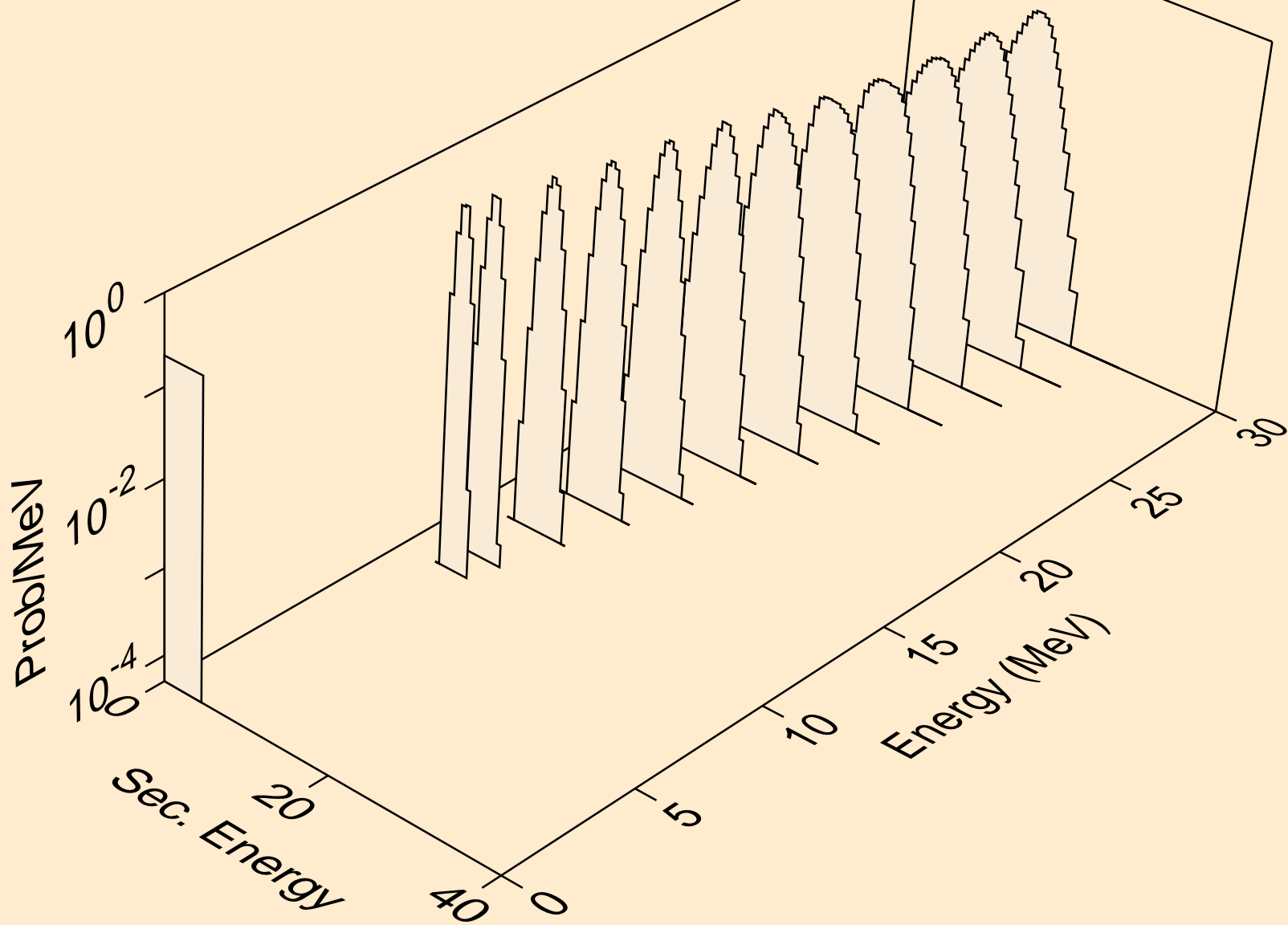
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

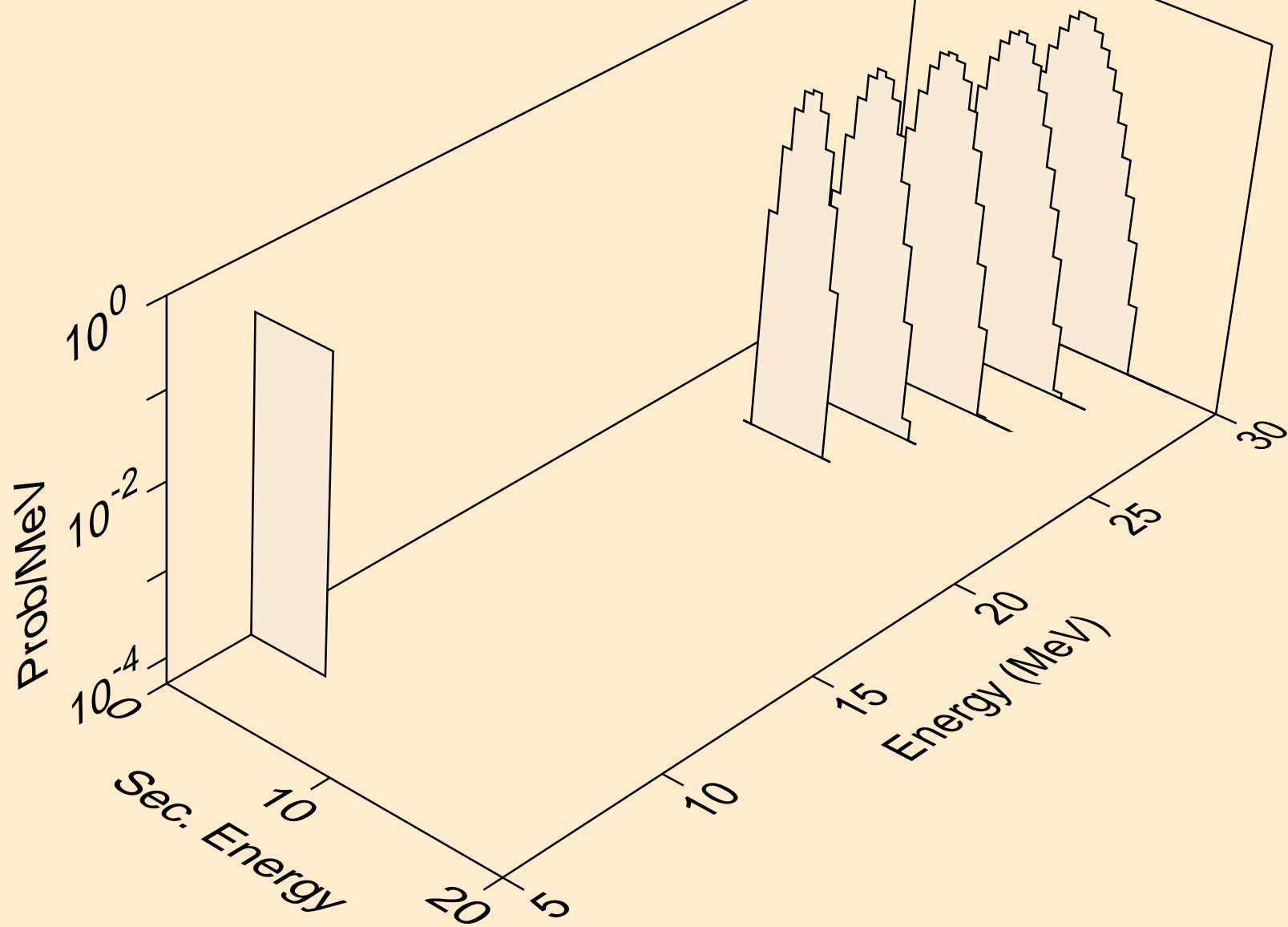


GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

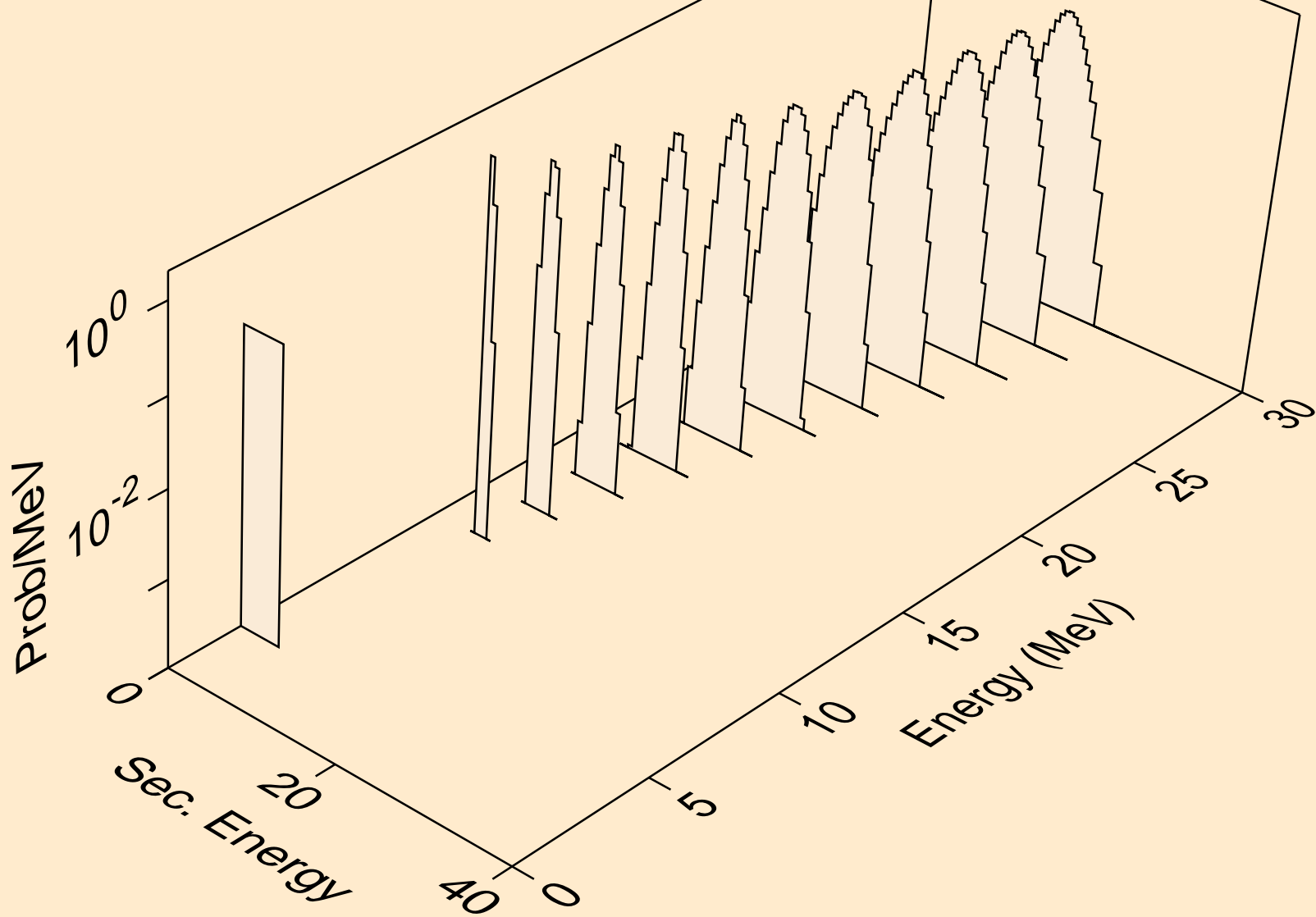




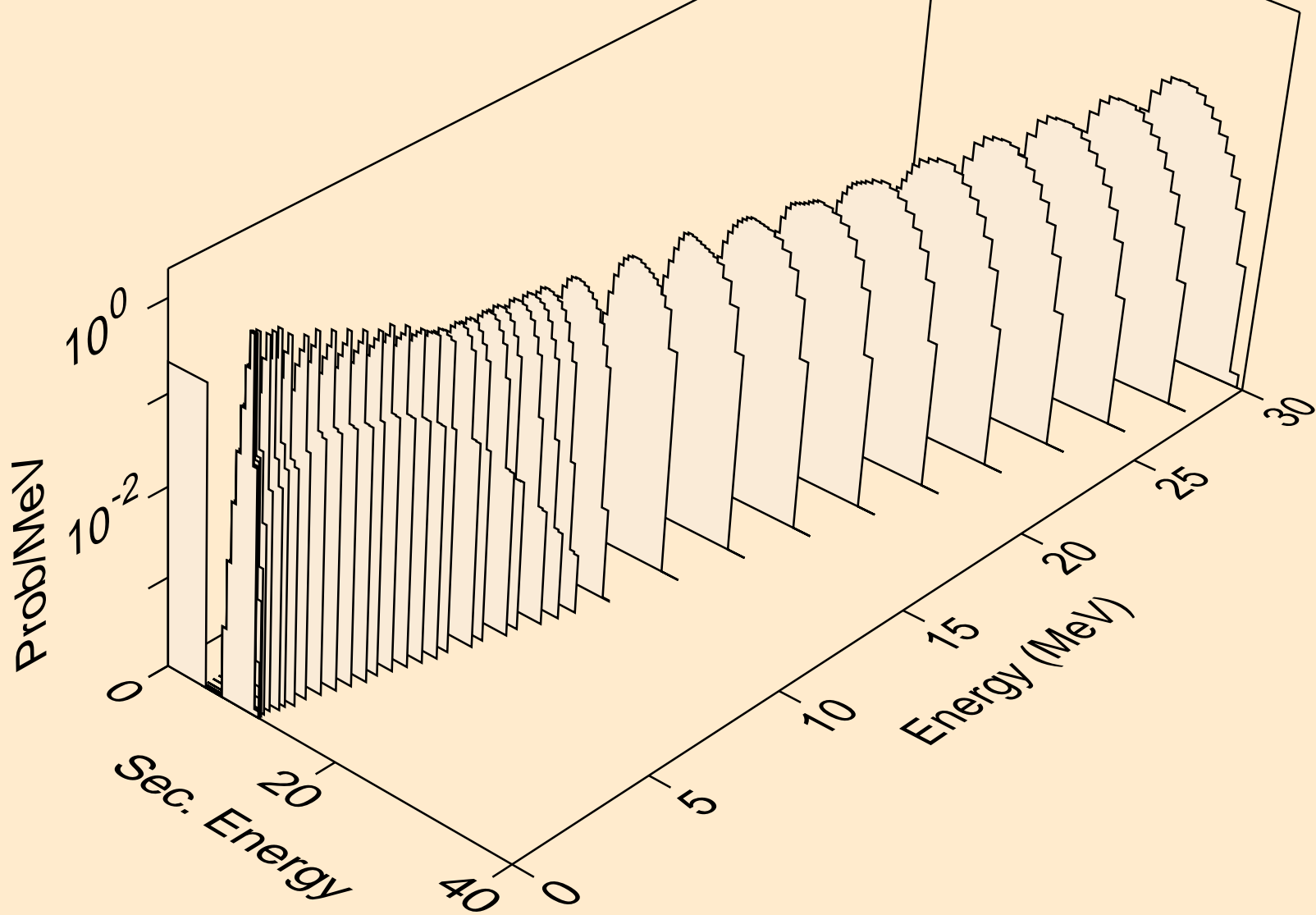
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



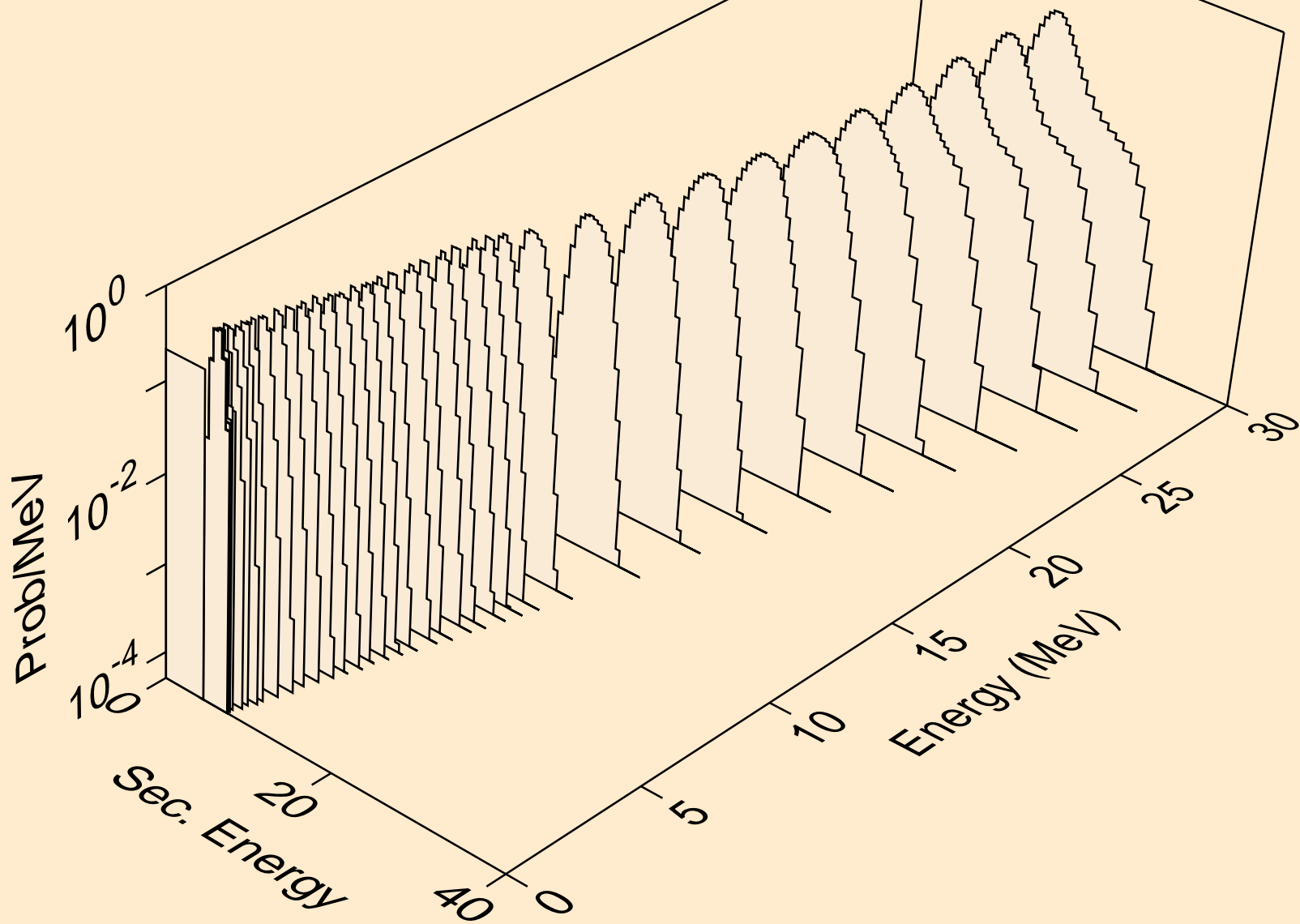
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



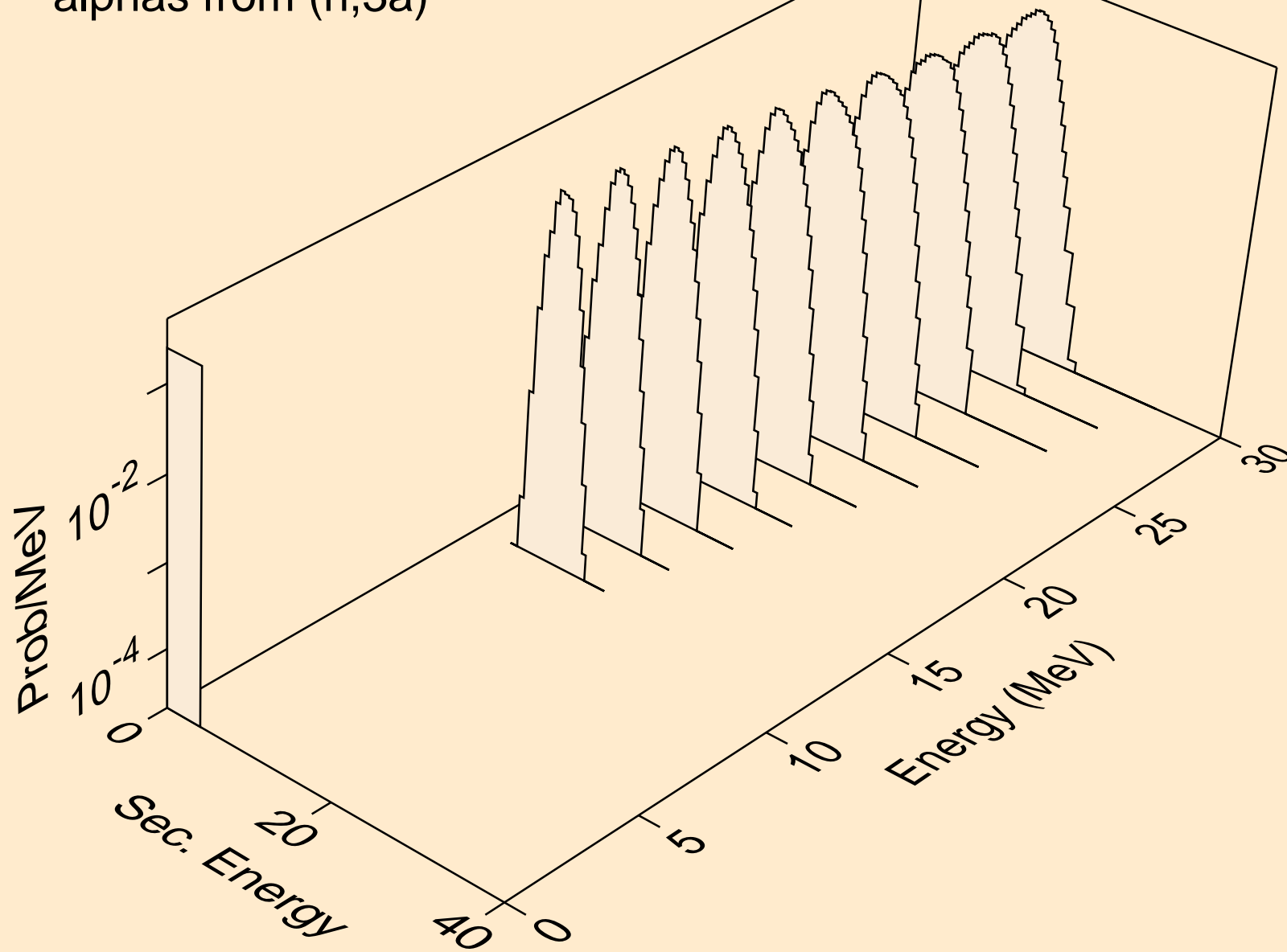
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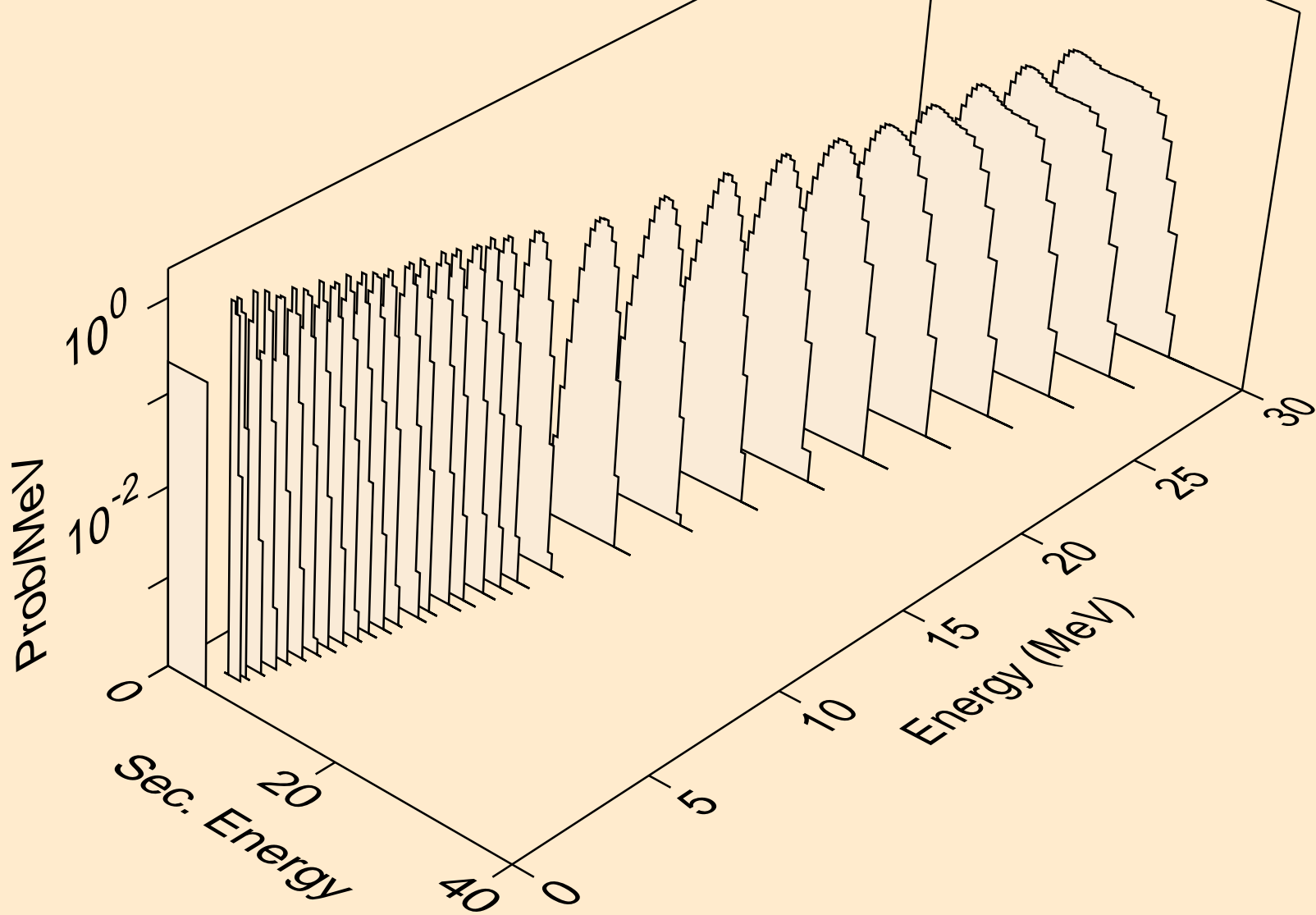
GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



GD142 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

