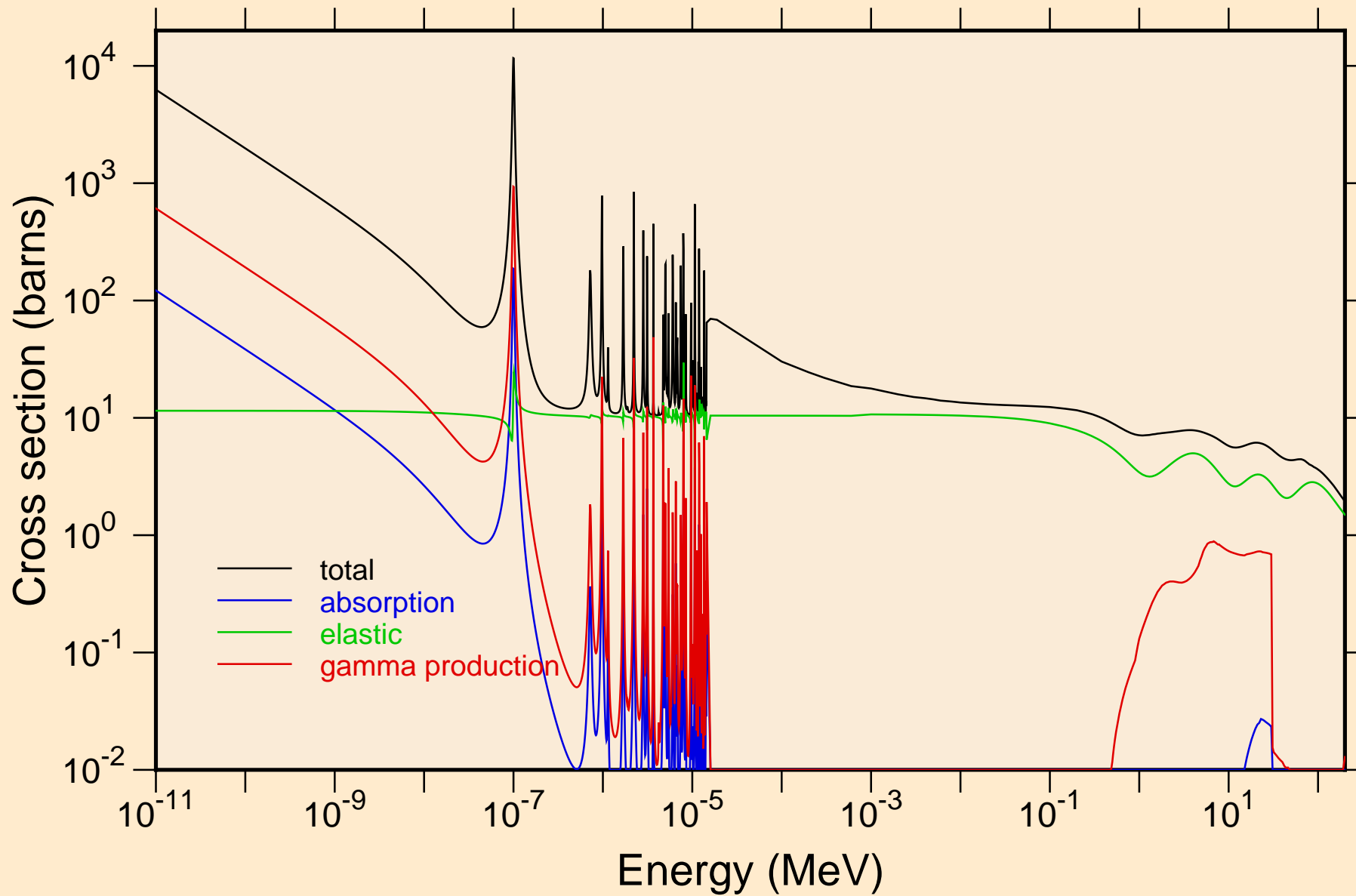
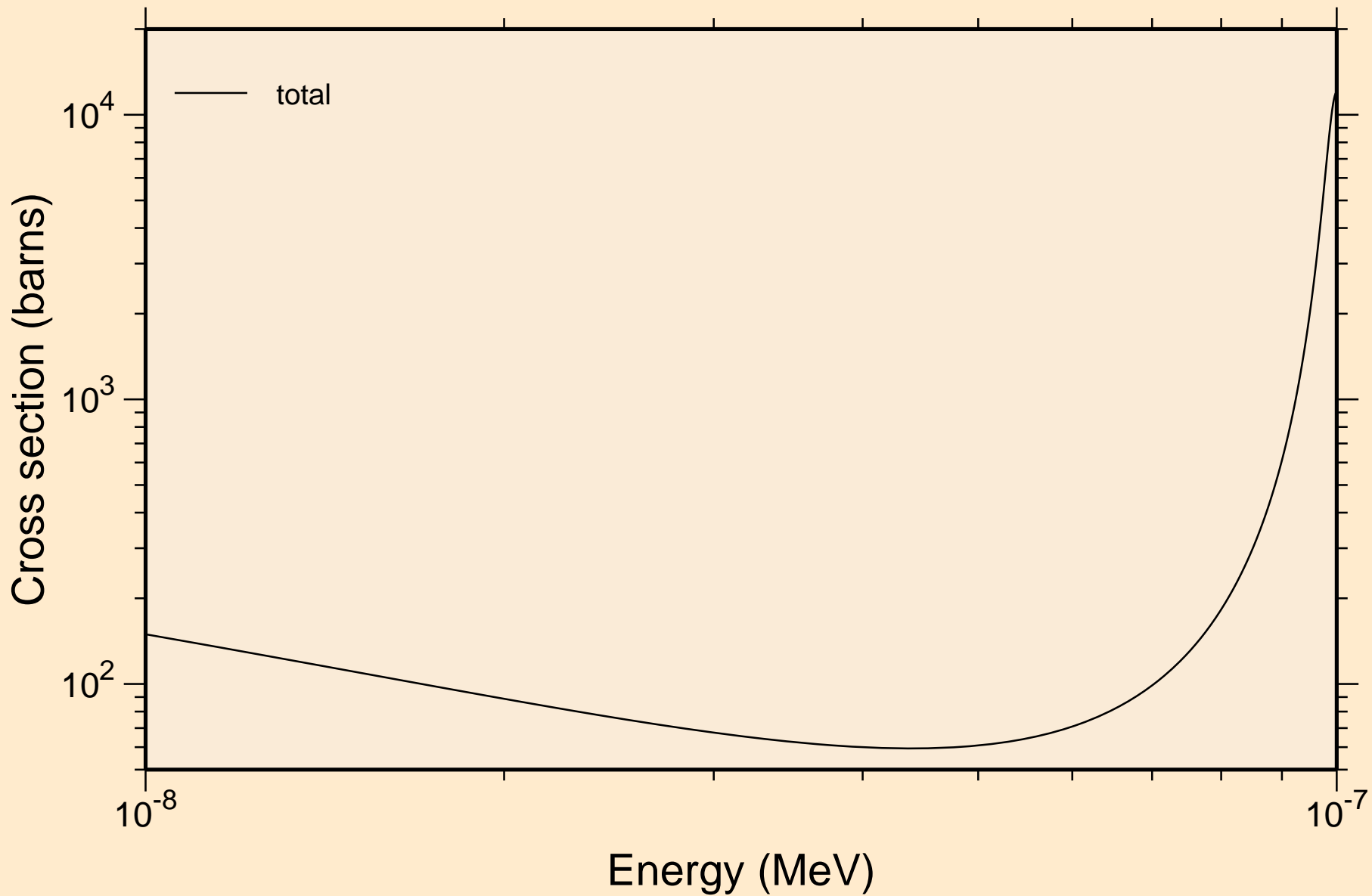


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

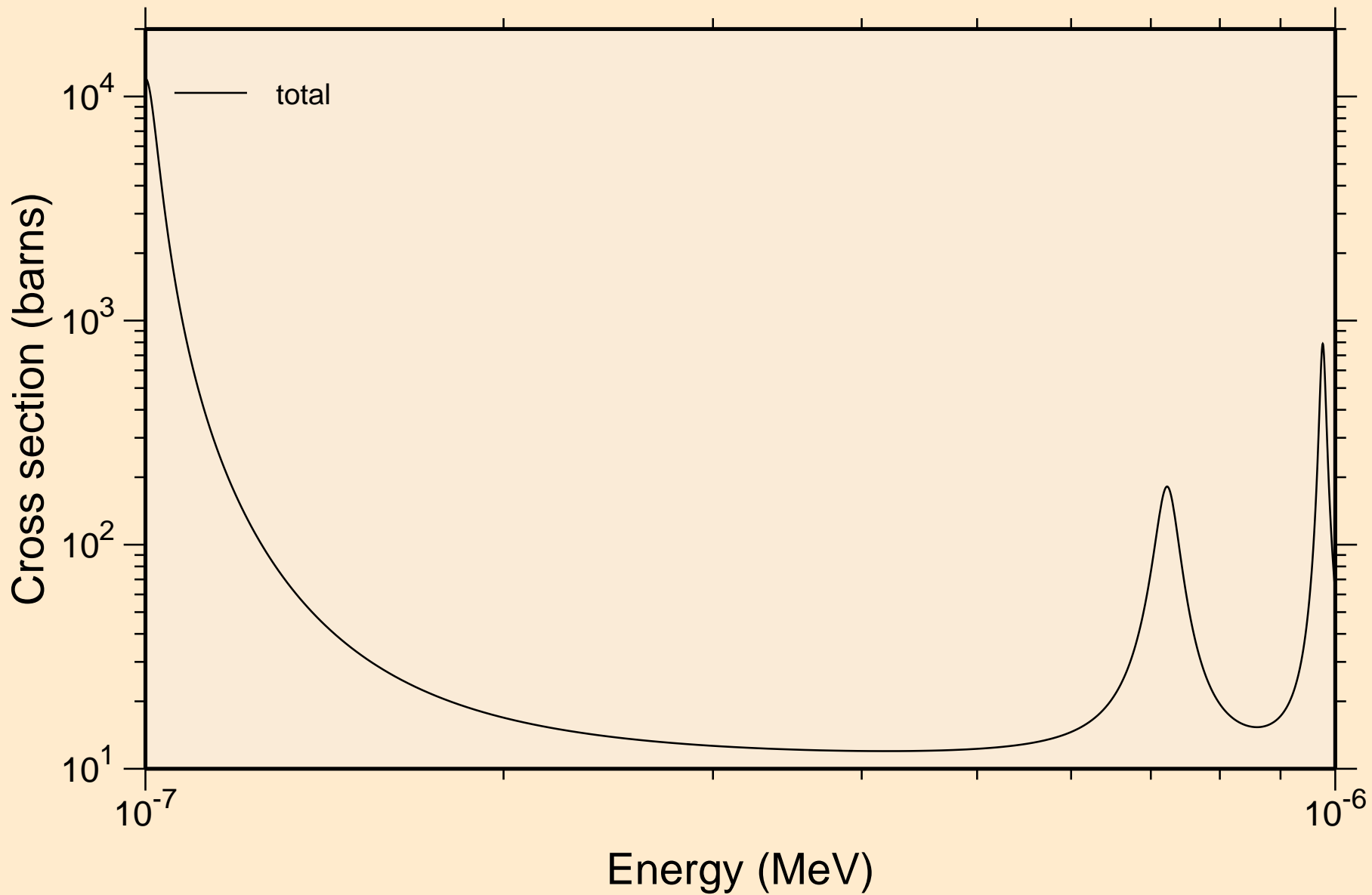
## Principal cross sections



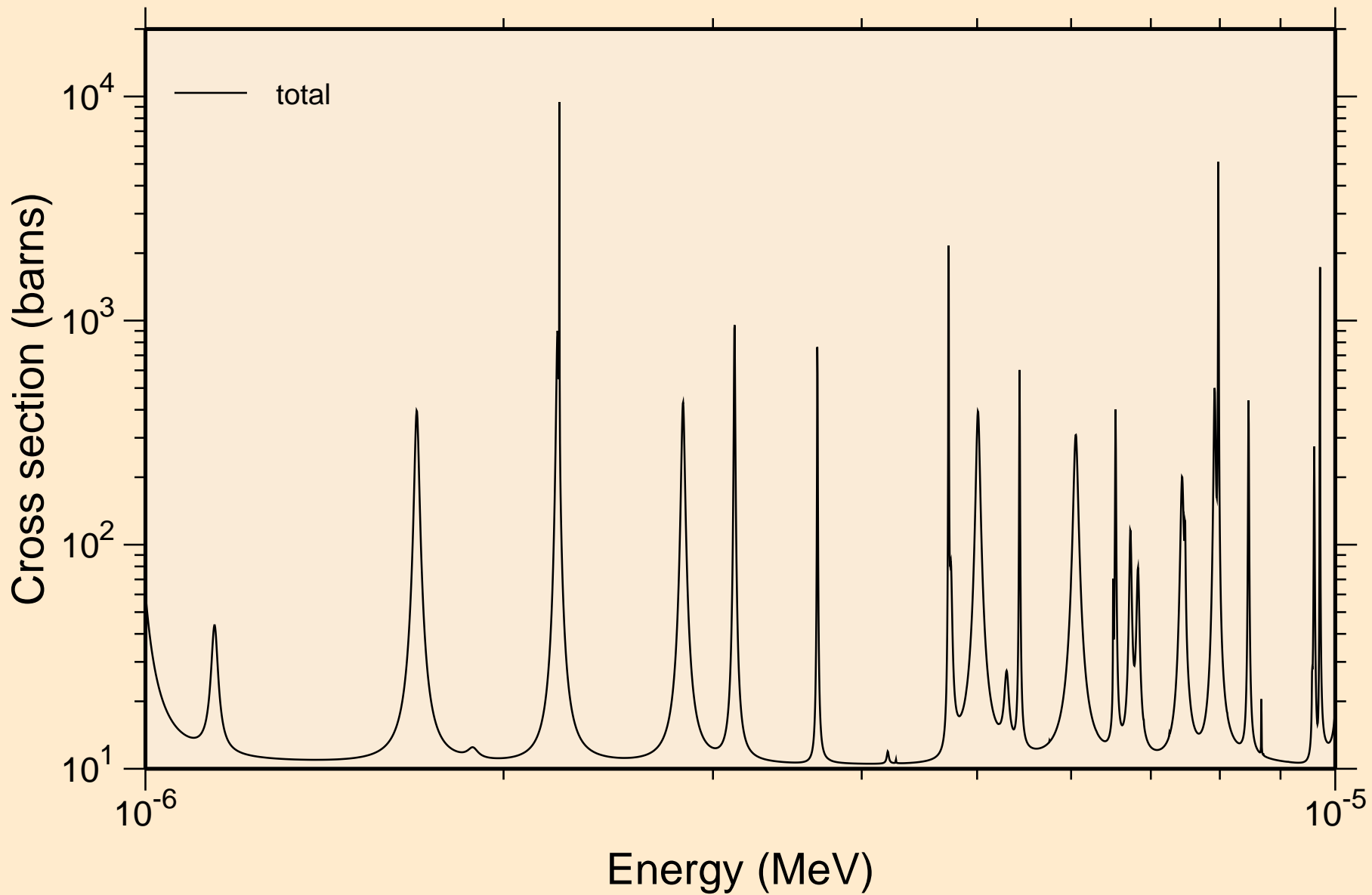
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



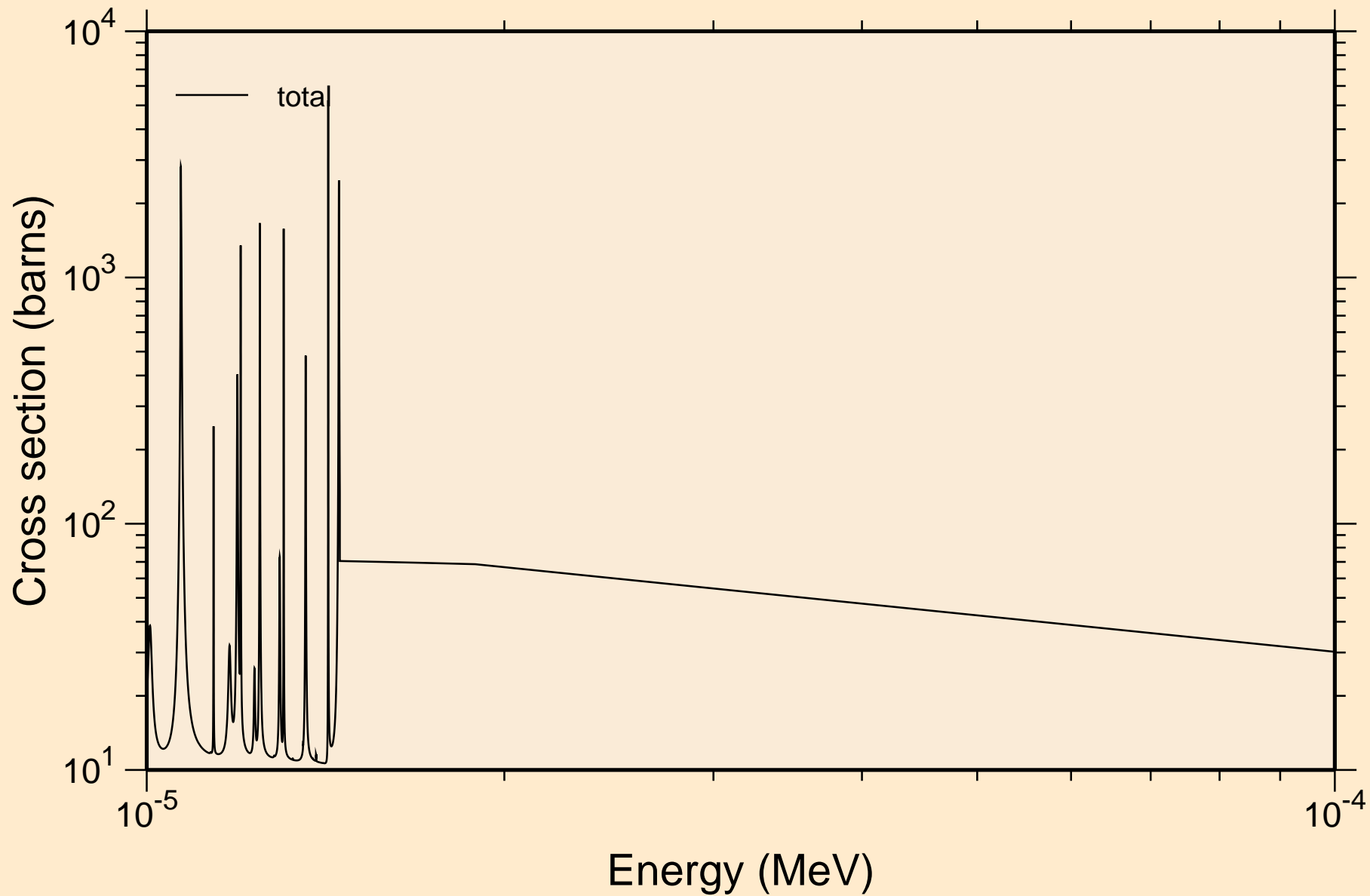
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resonance total cross section



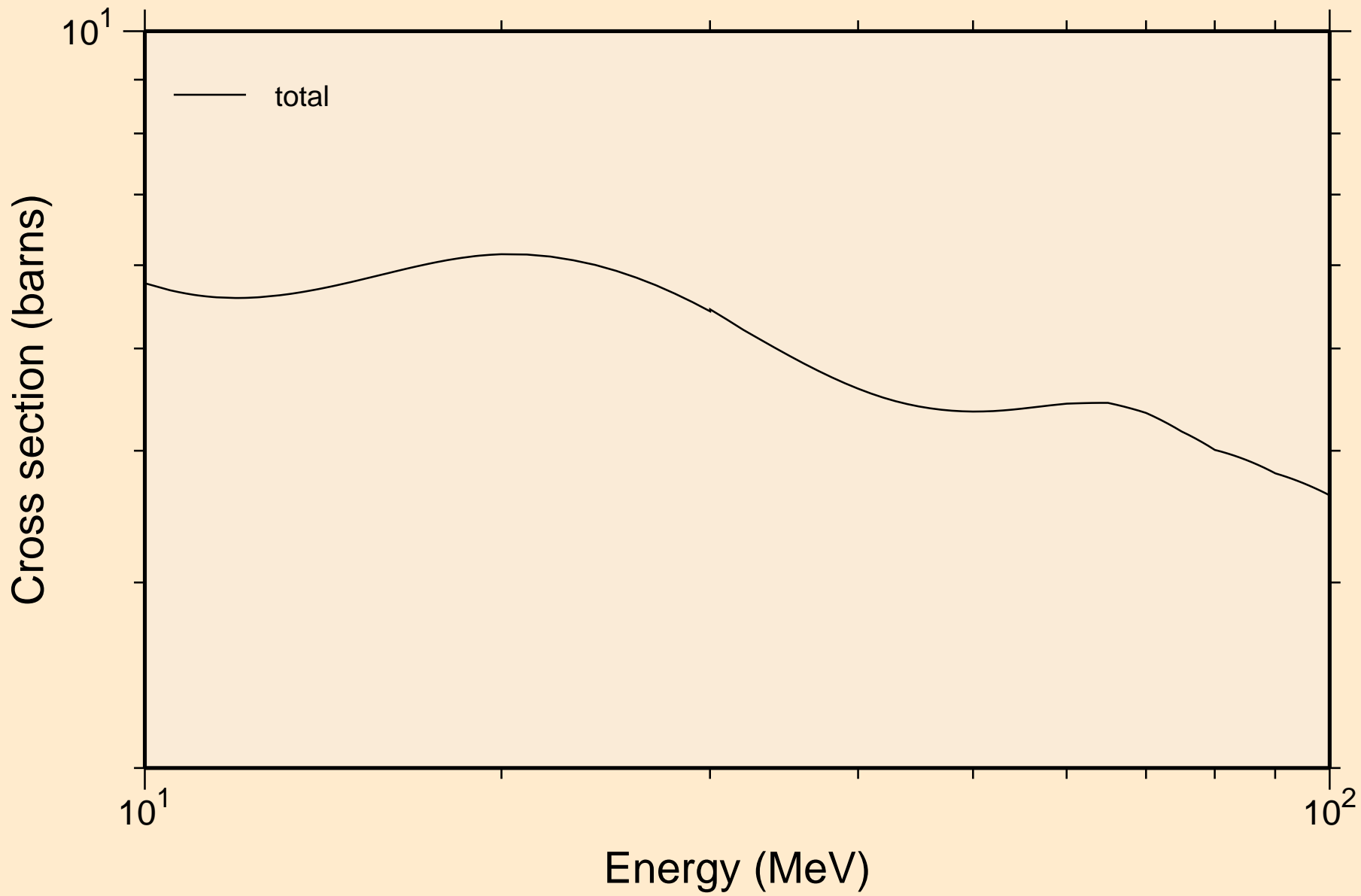
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resonance total cross section



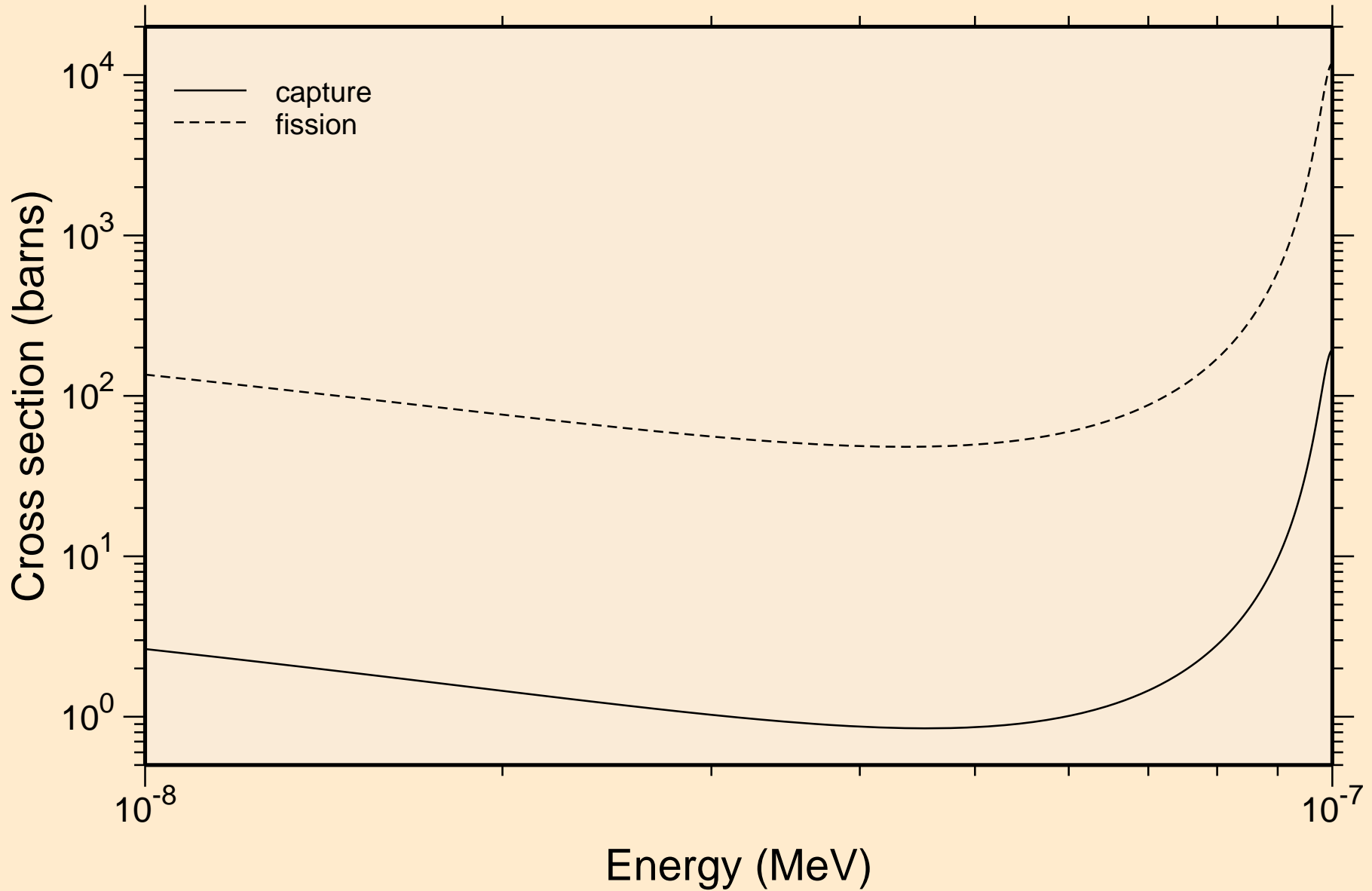
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



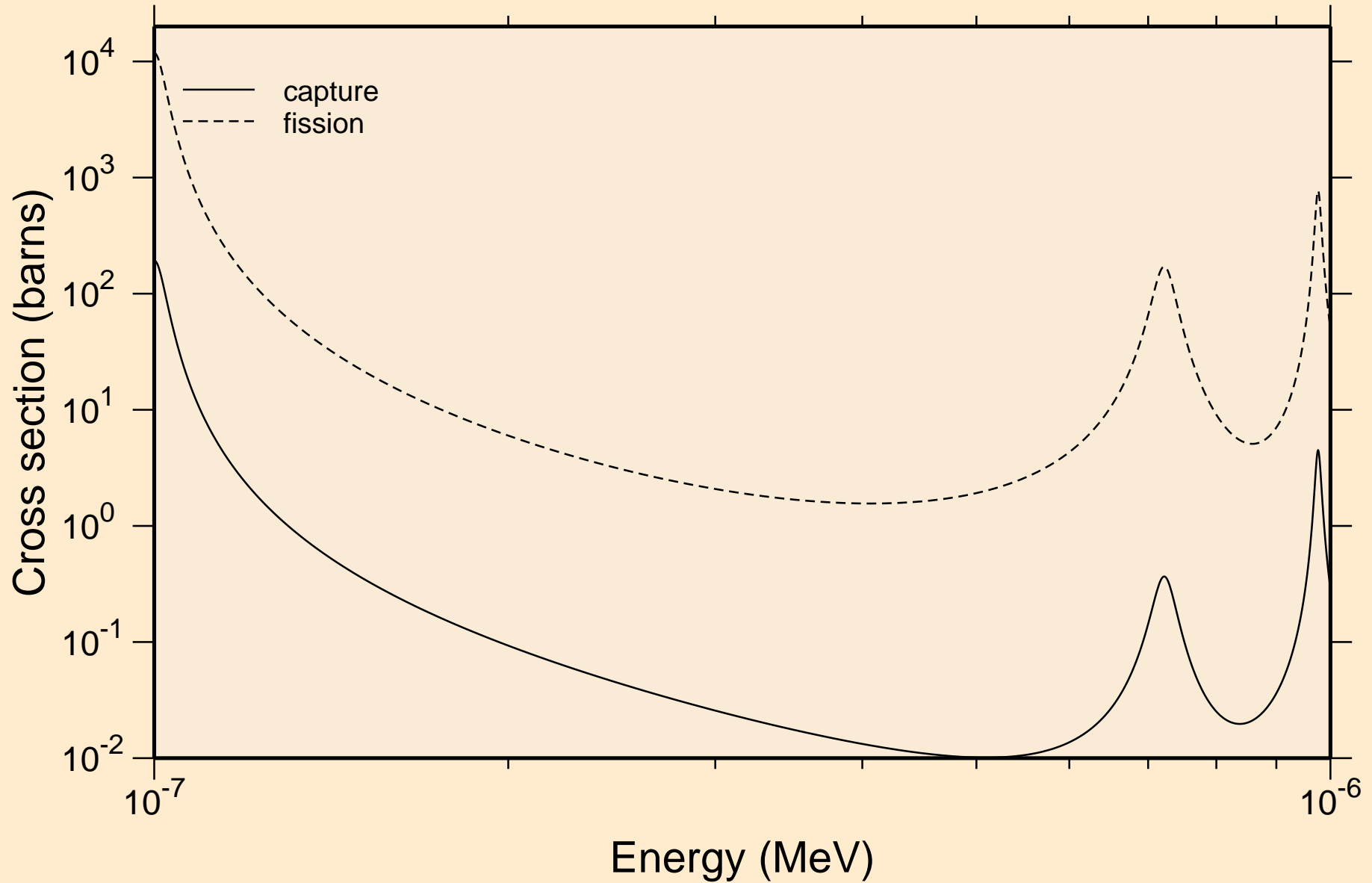
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



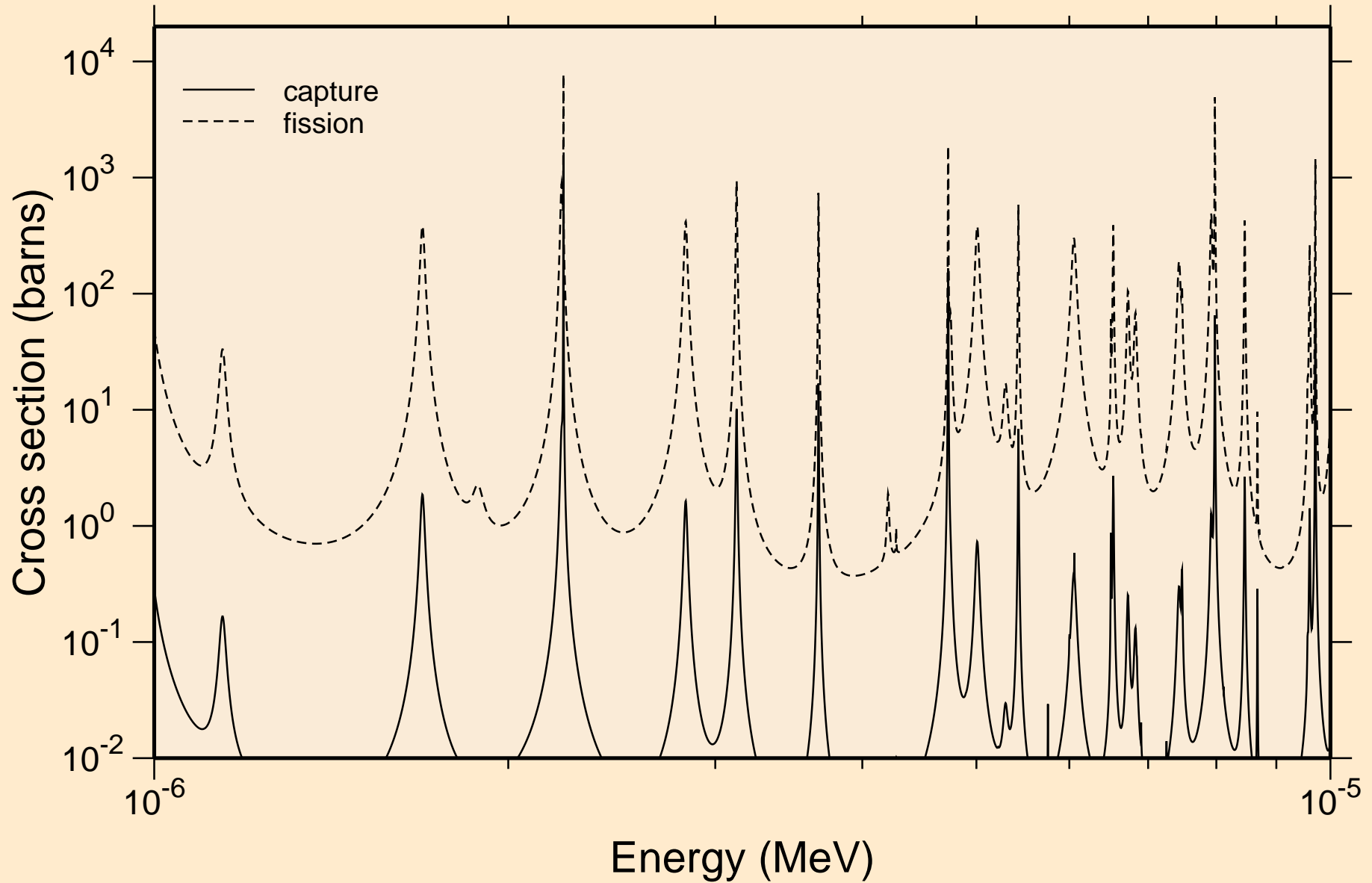
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



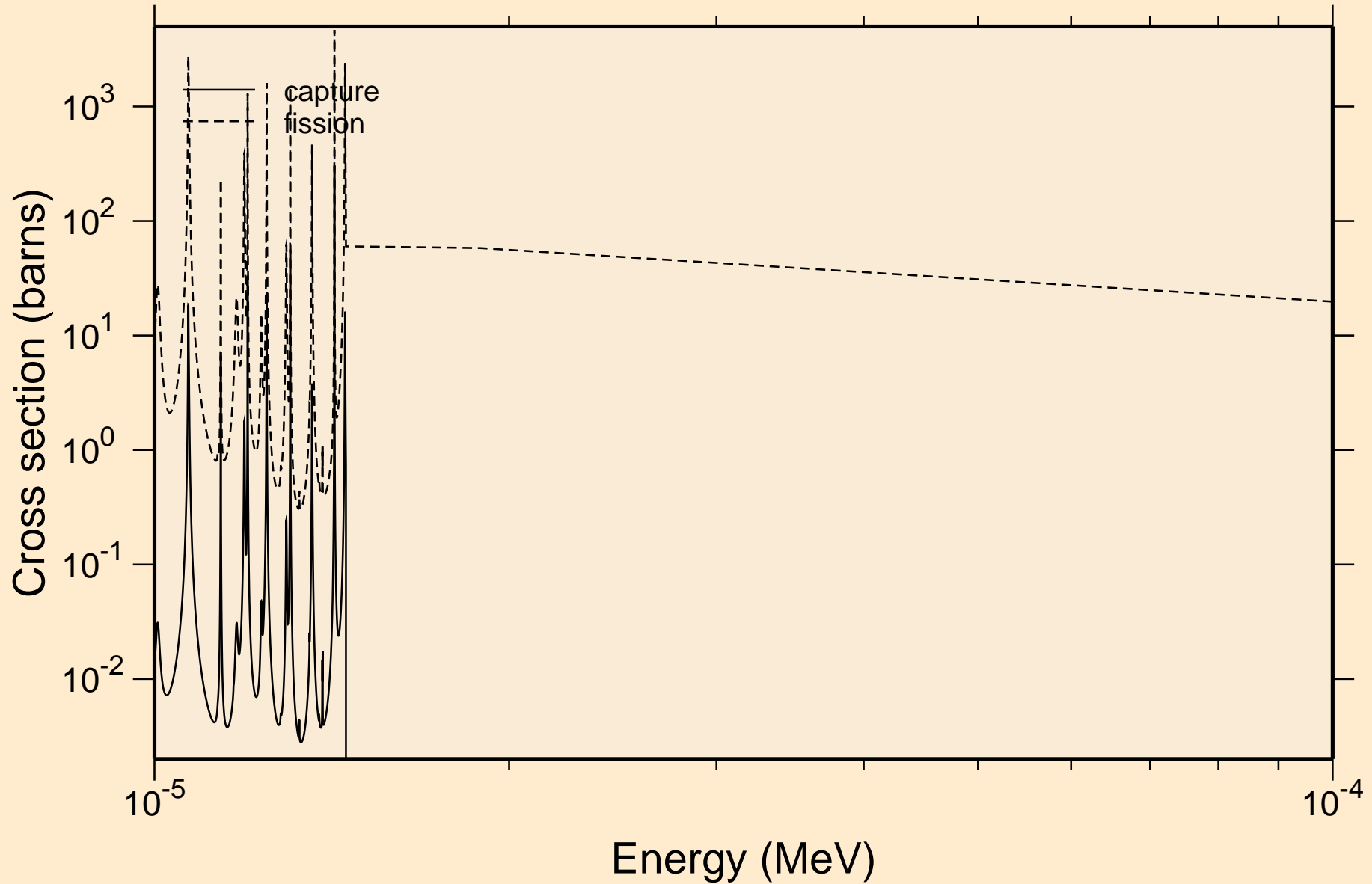
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



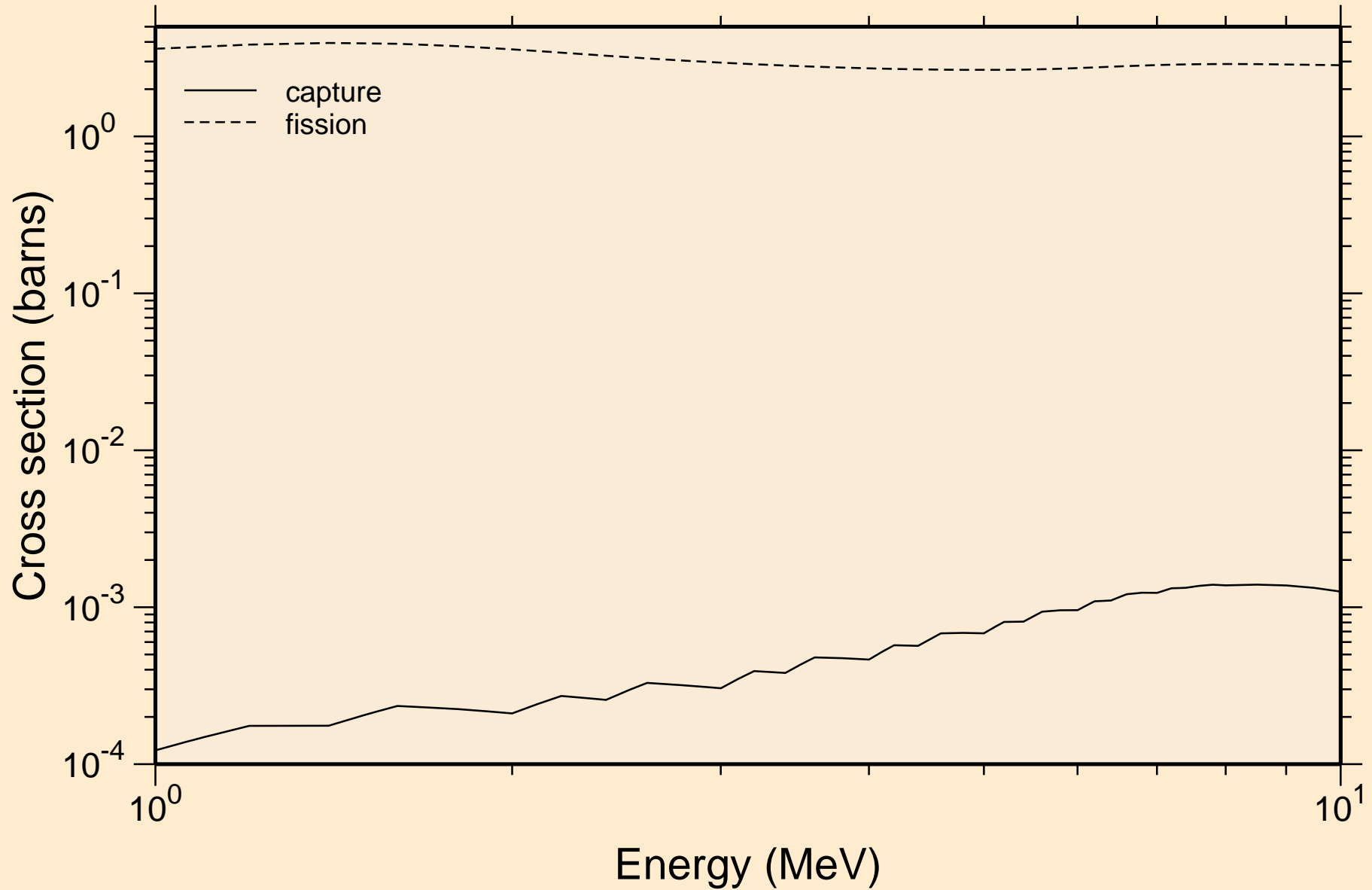
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

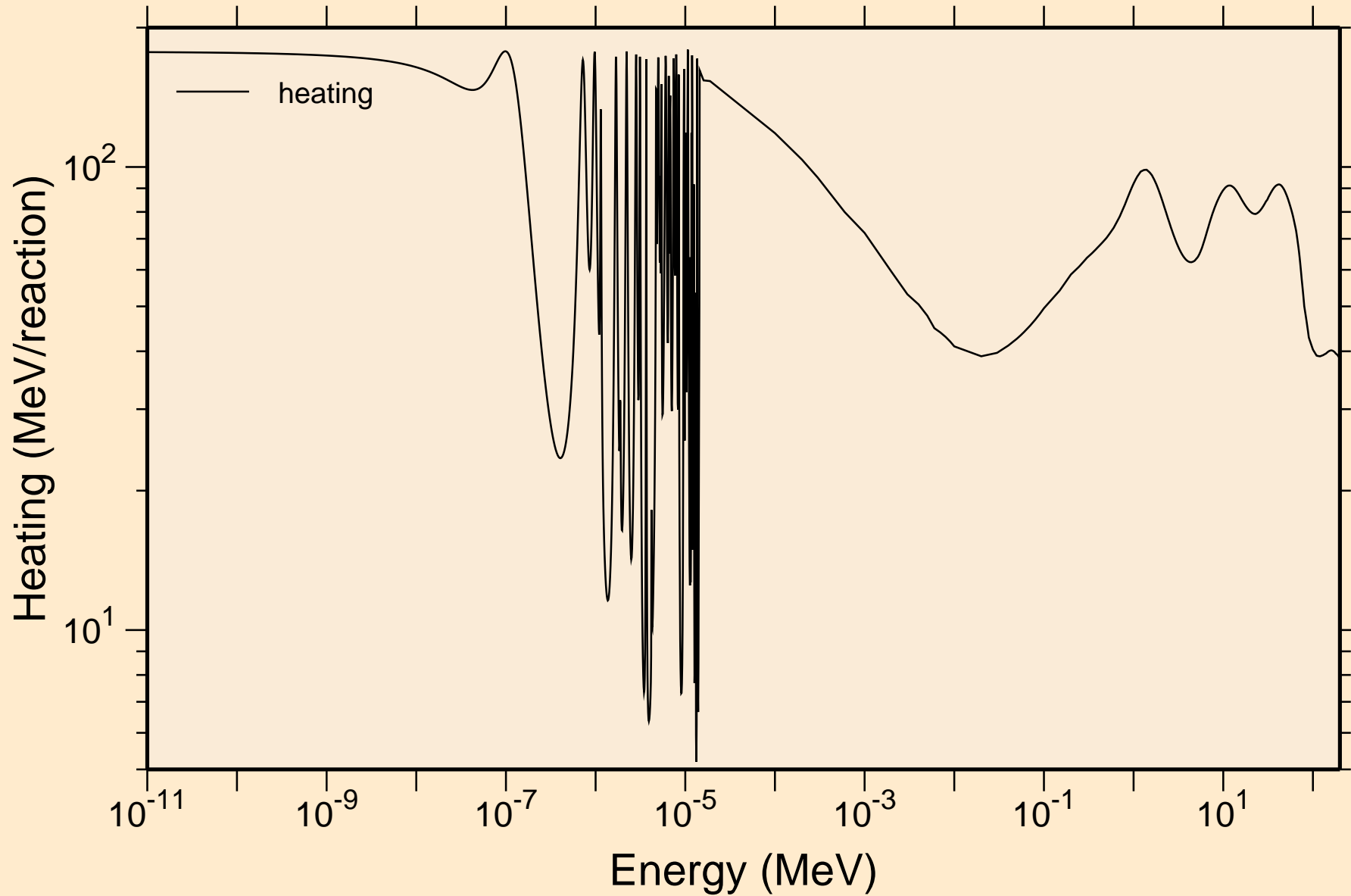


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



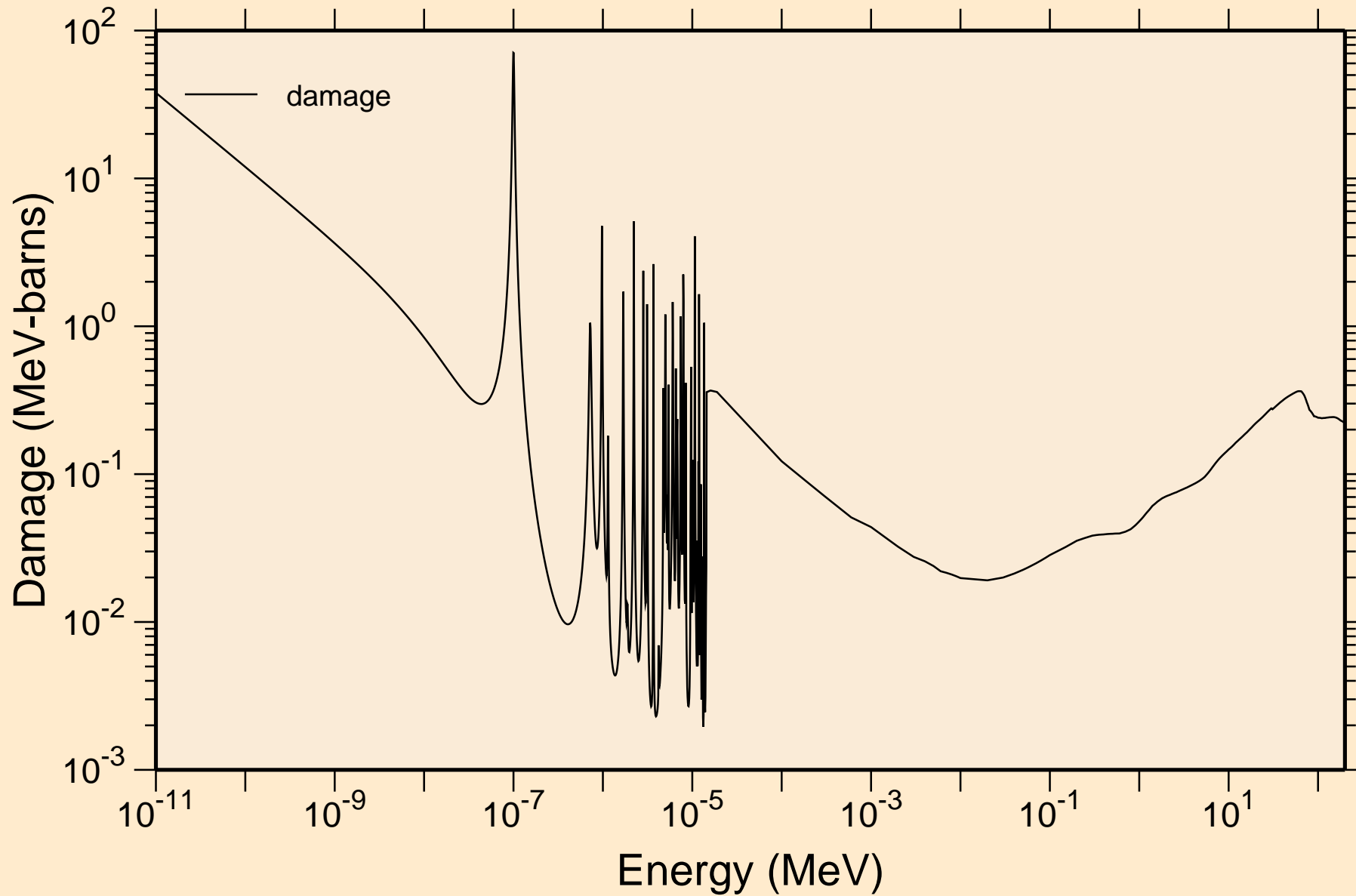
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



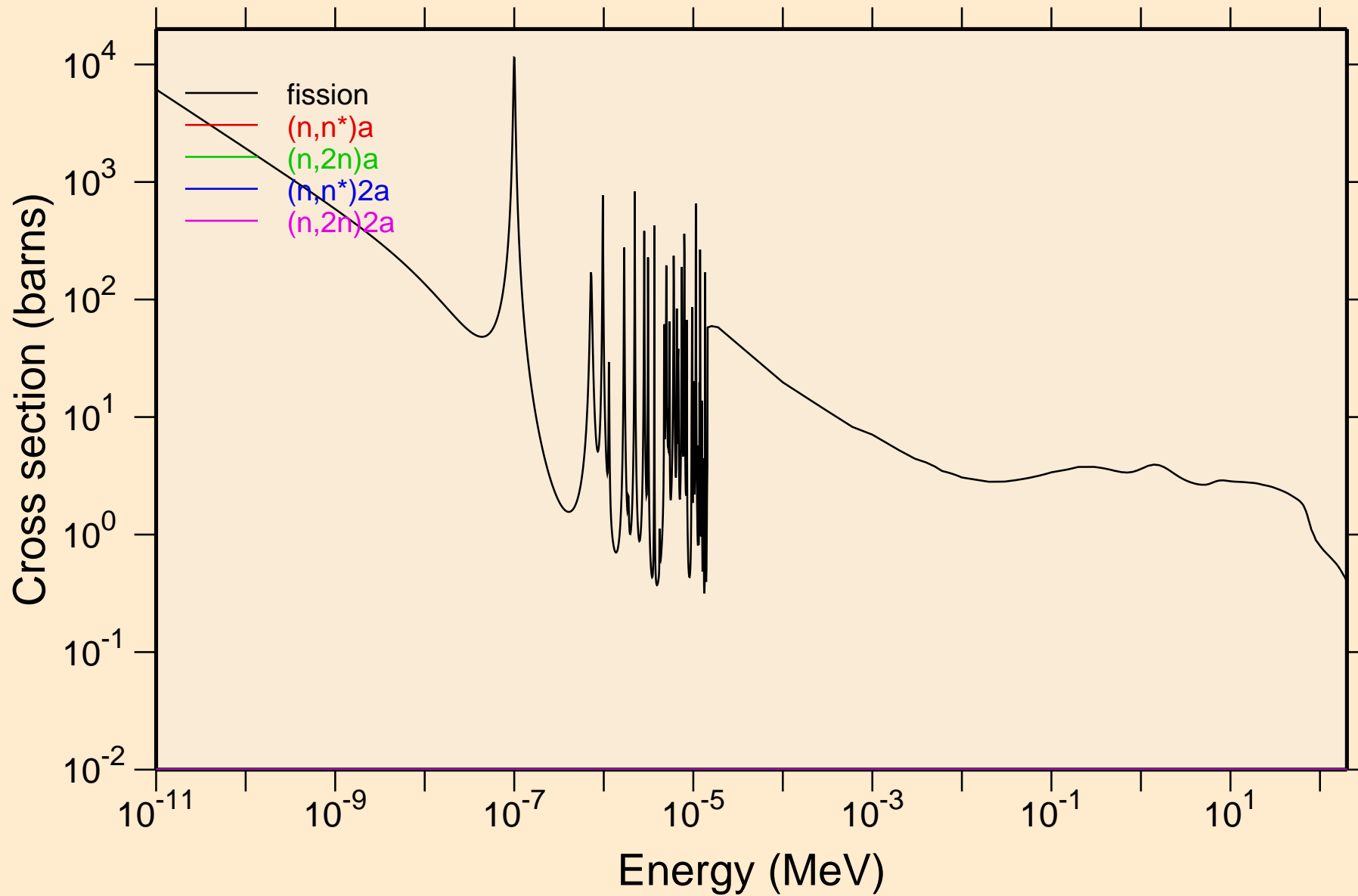
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



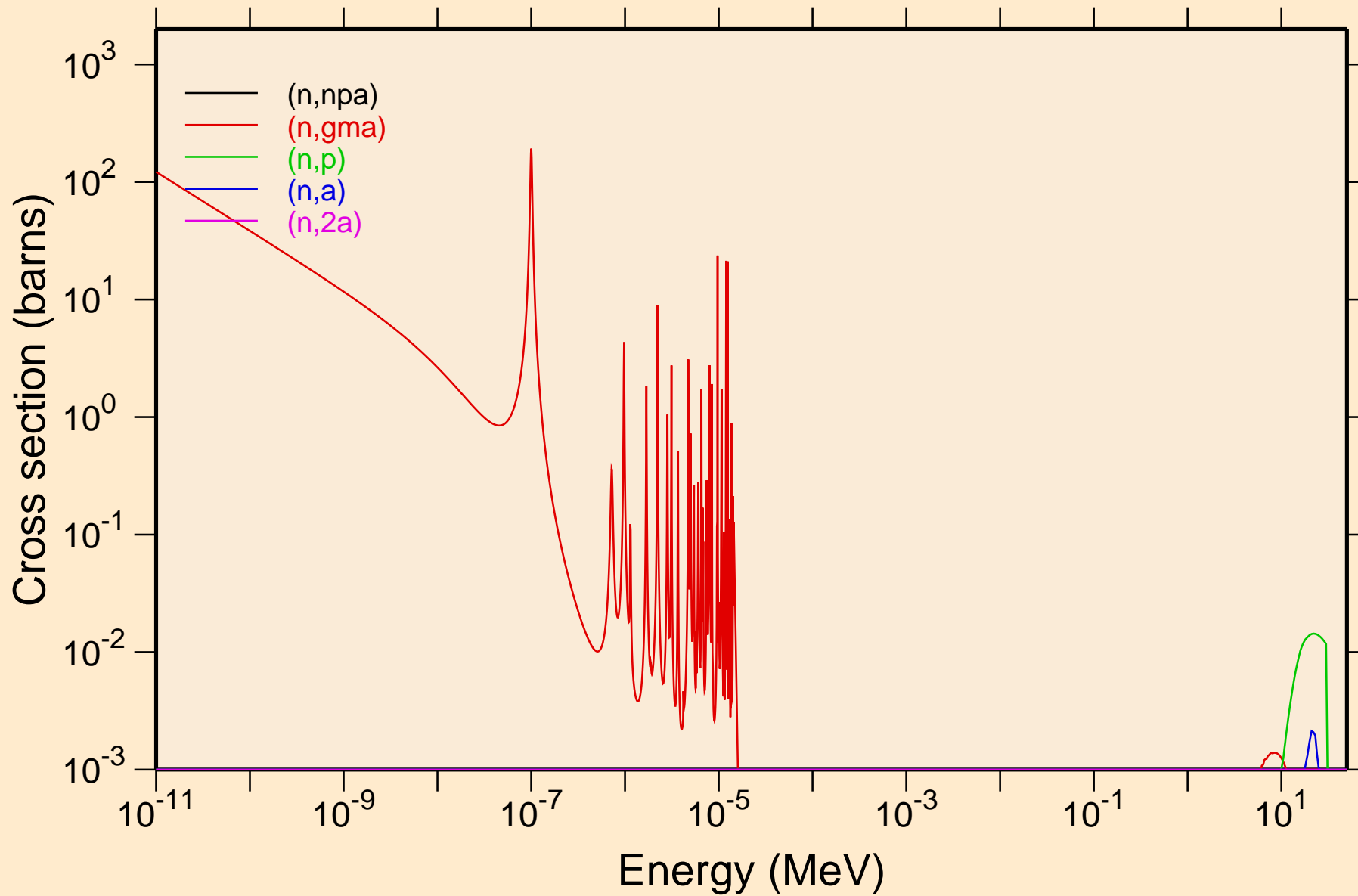
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



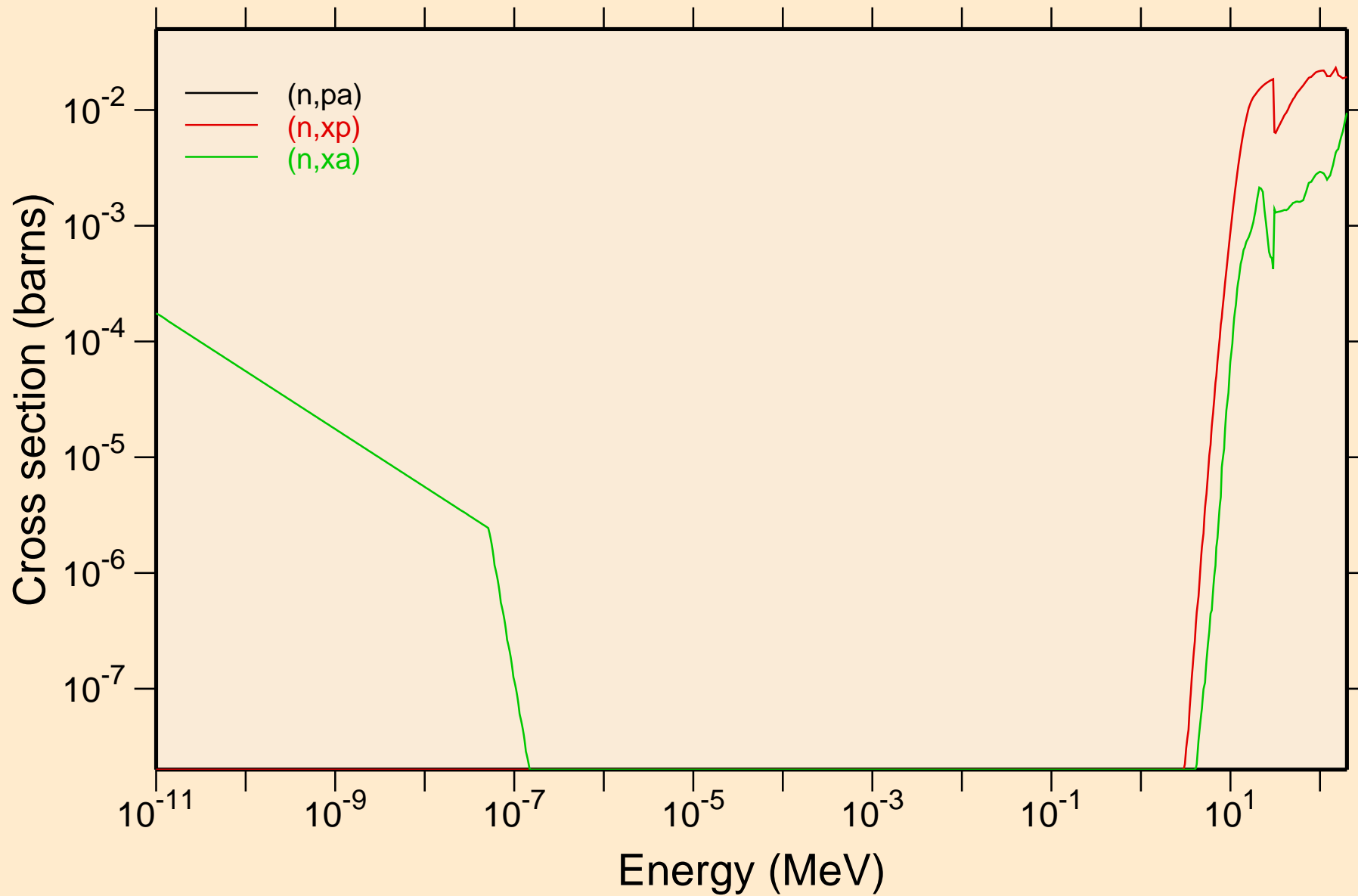
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## Non-threshold reactions



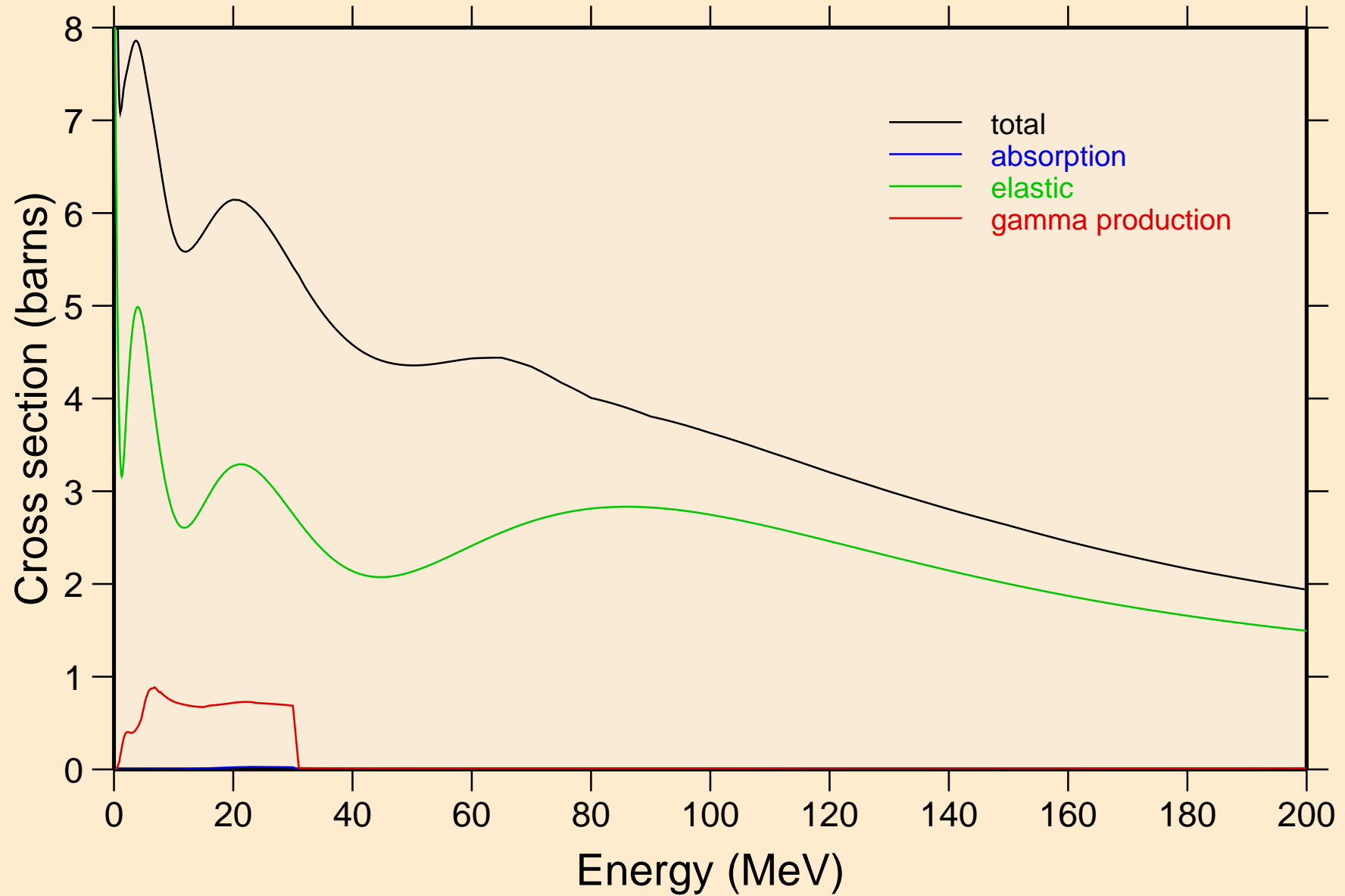
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



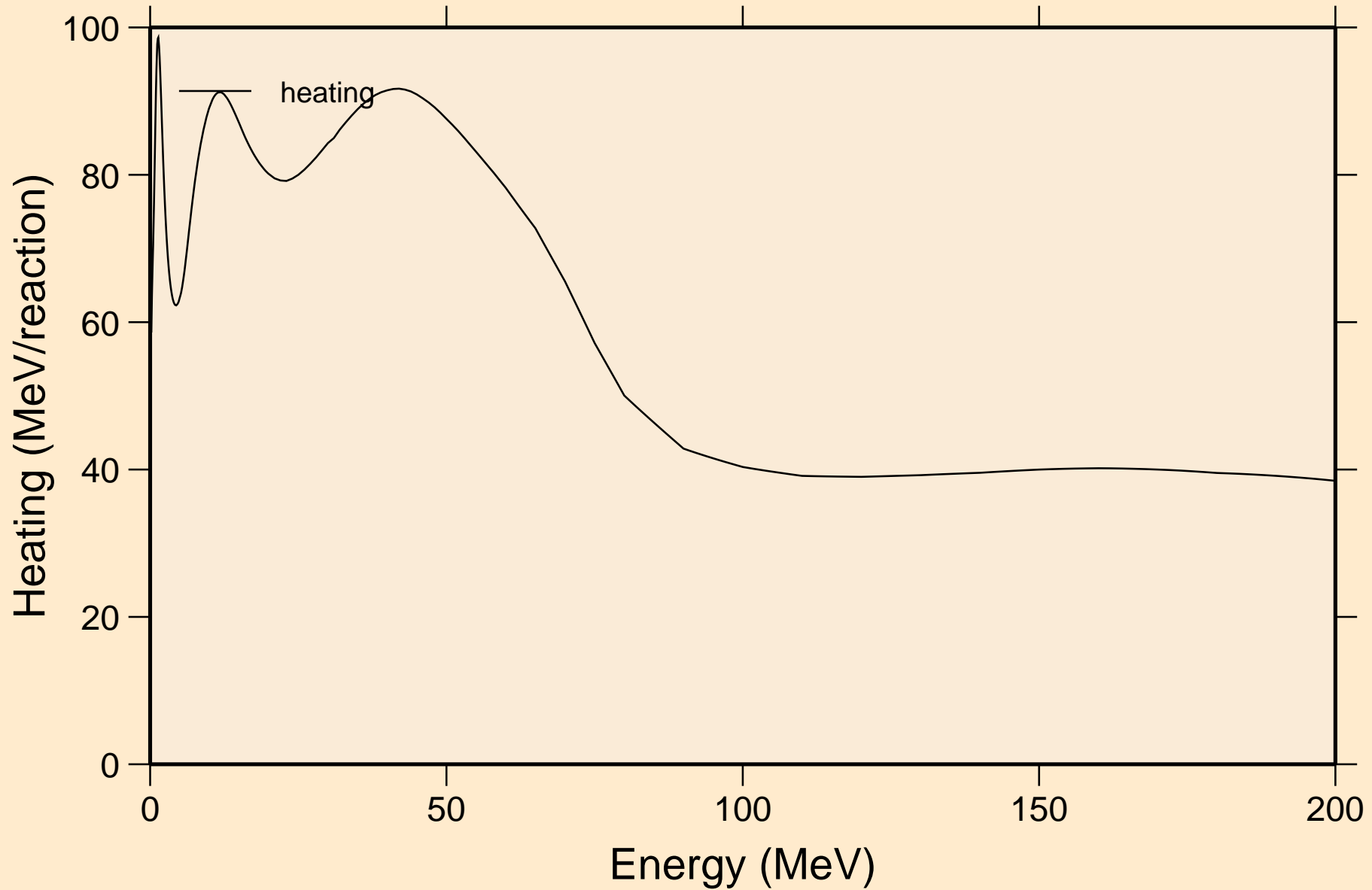
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



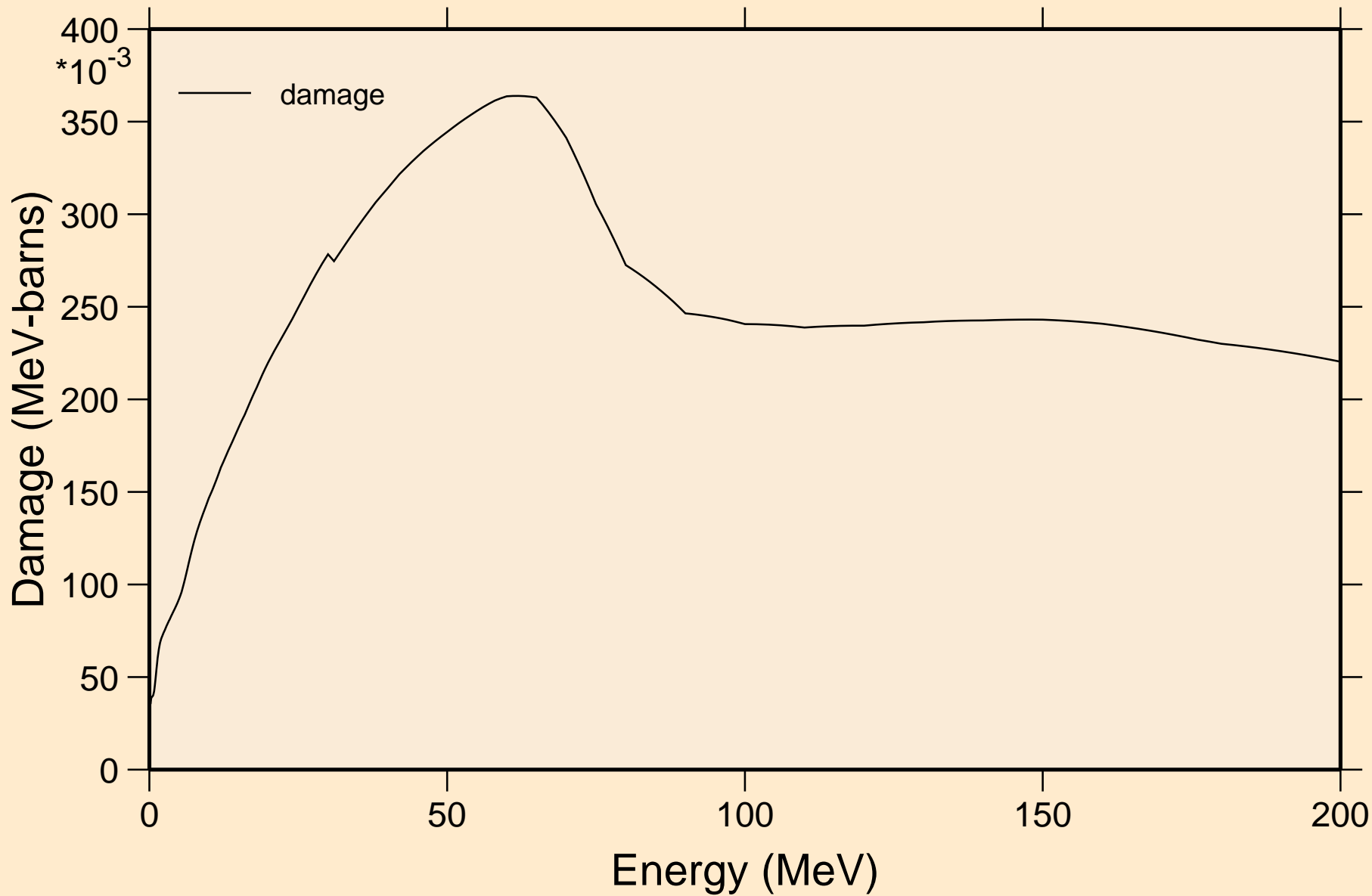
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

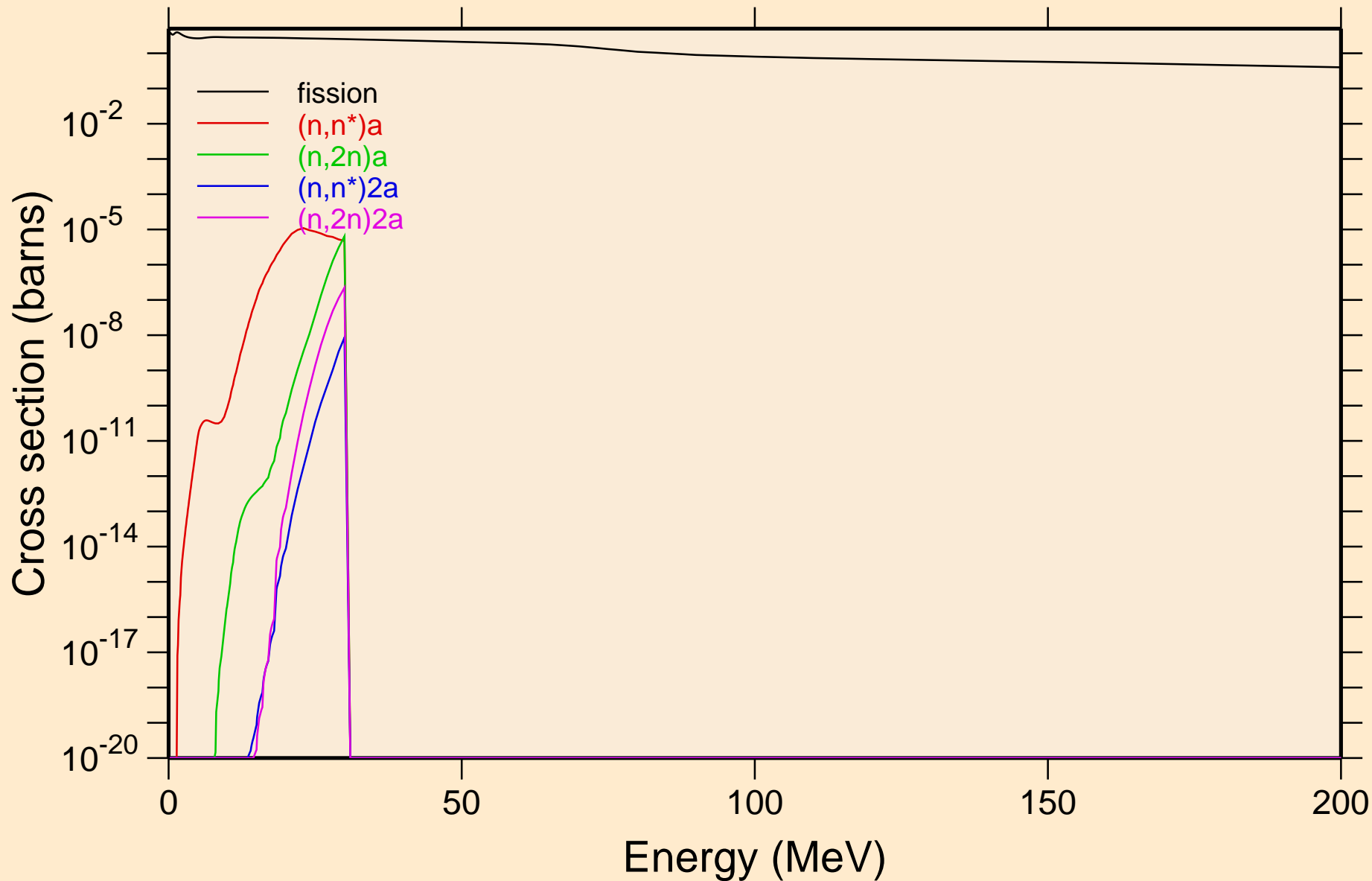


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

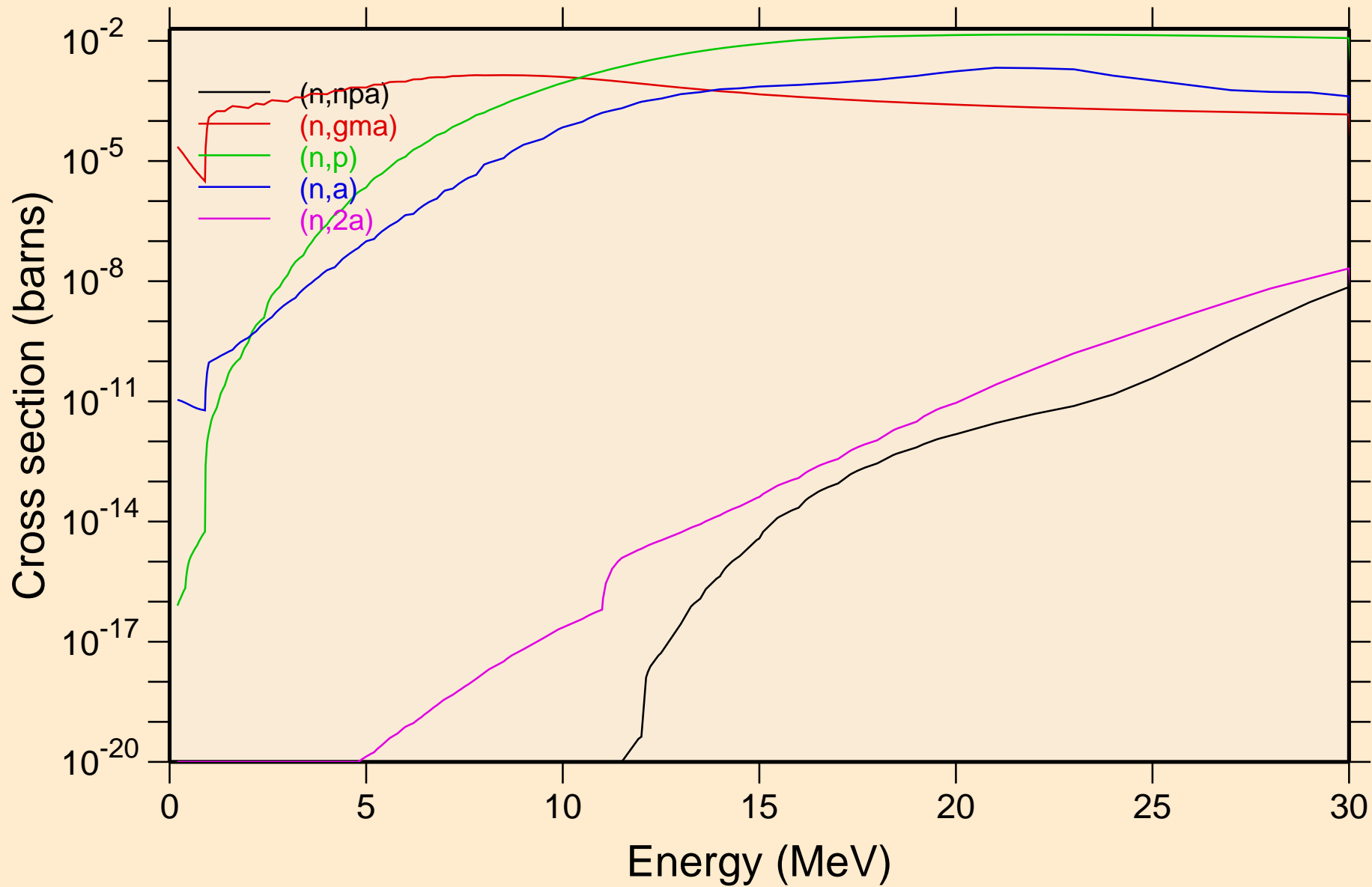


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

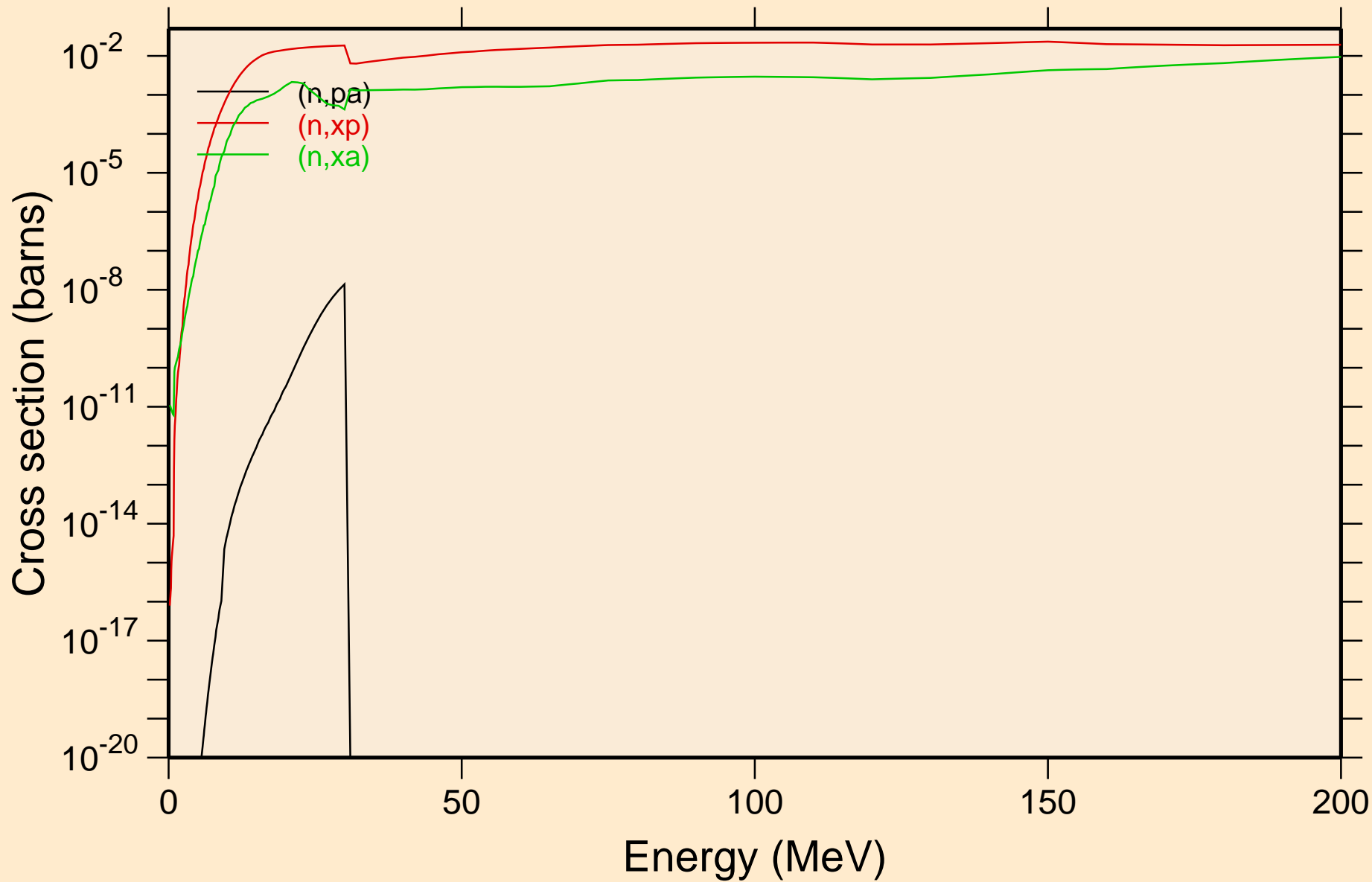


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

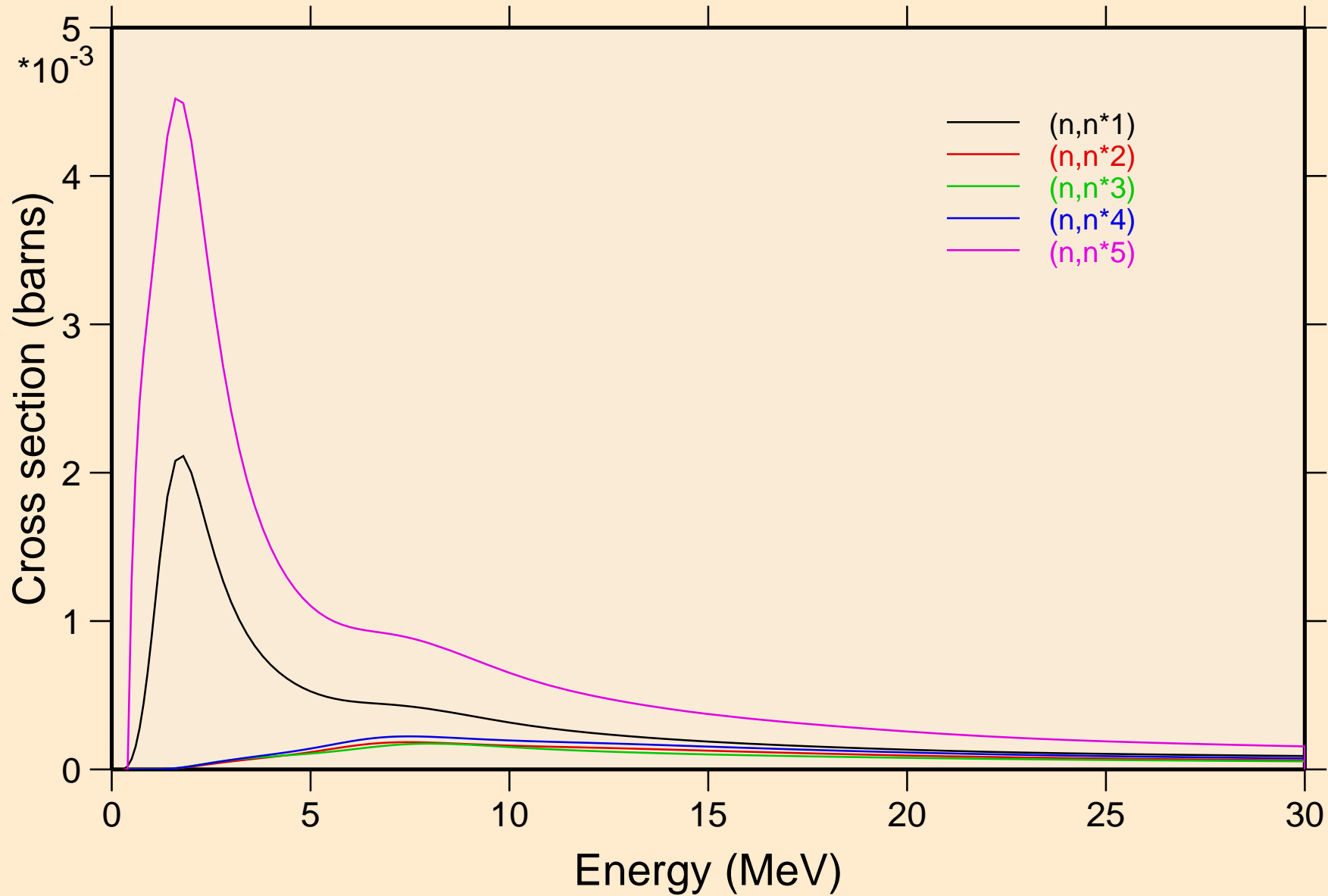
## Non-threshold reactions



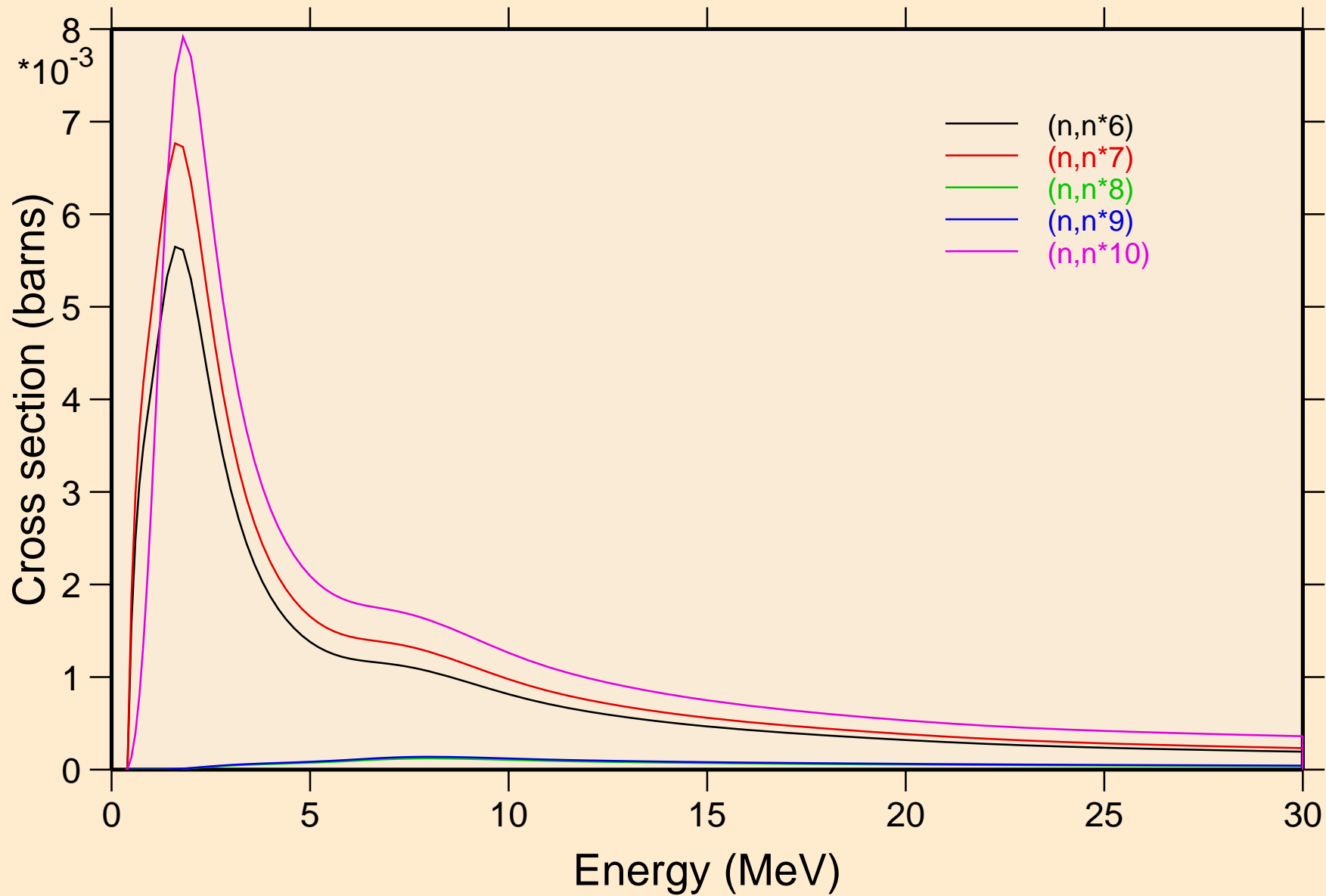
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



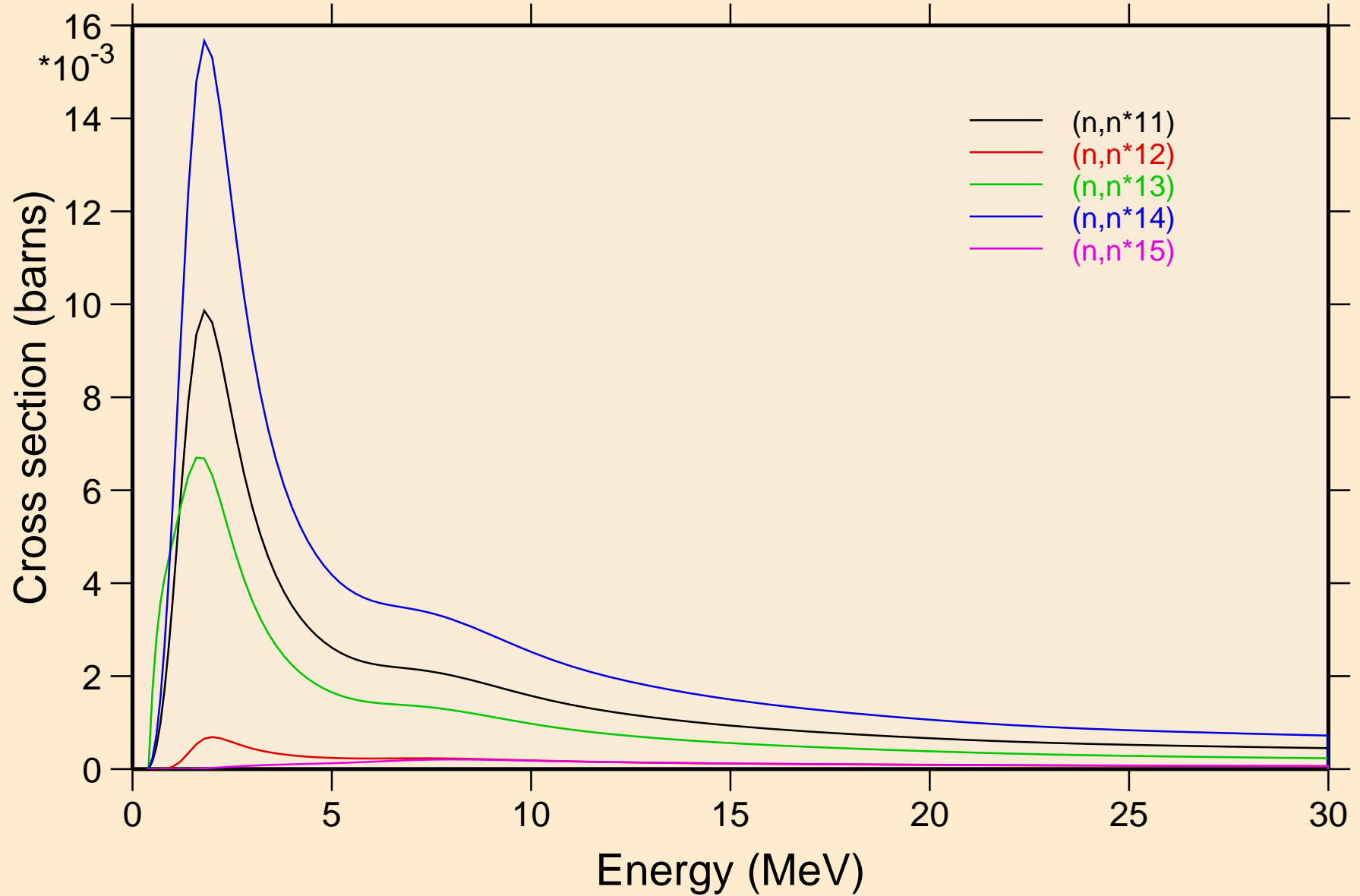
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



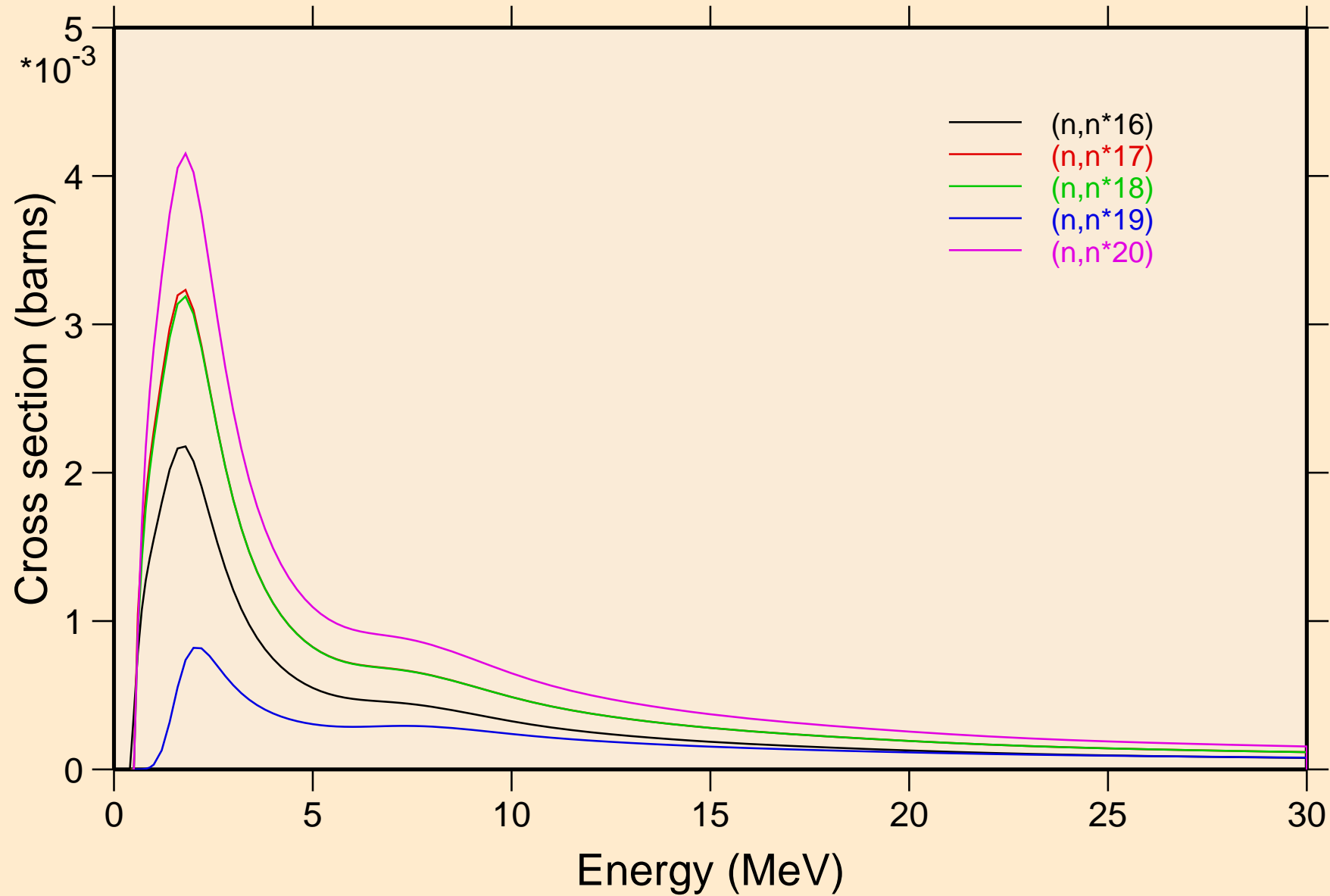
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



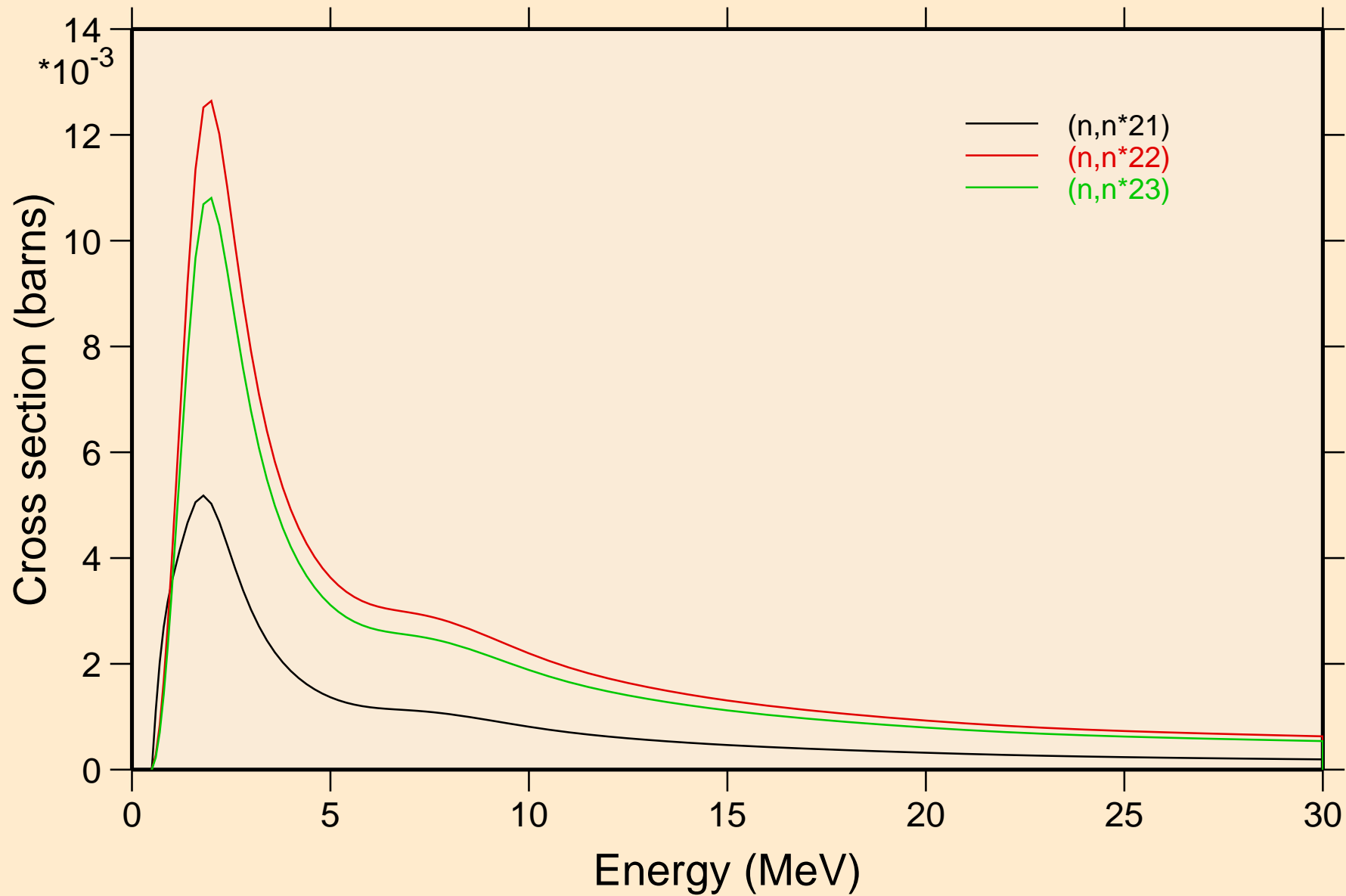
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

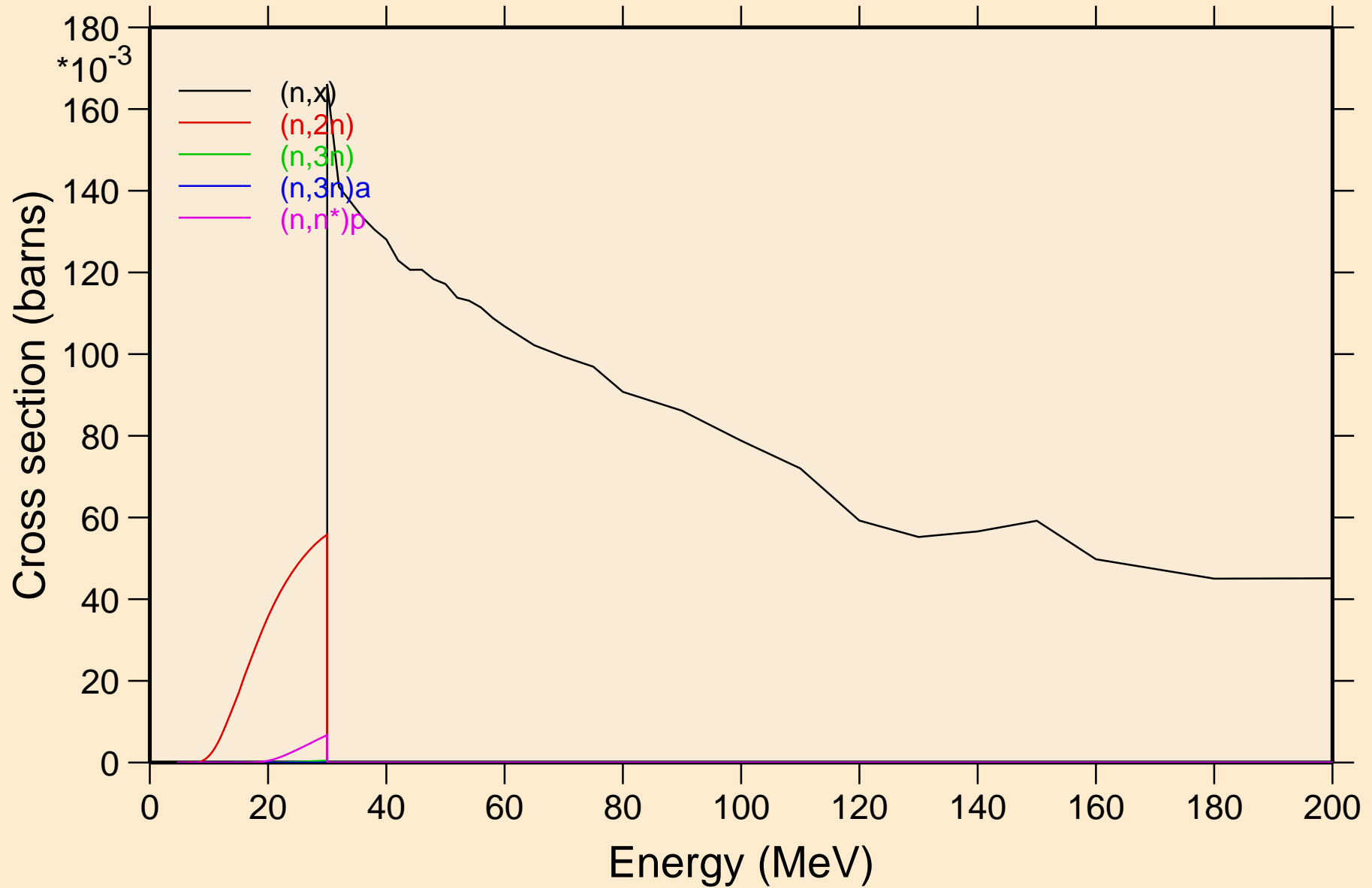


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



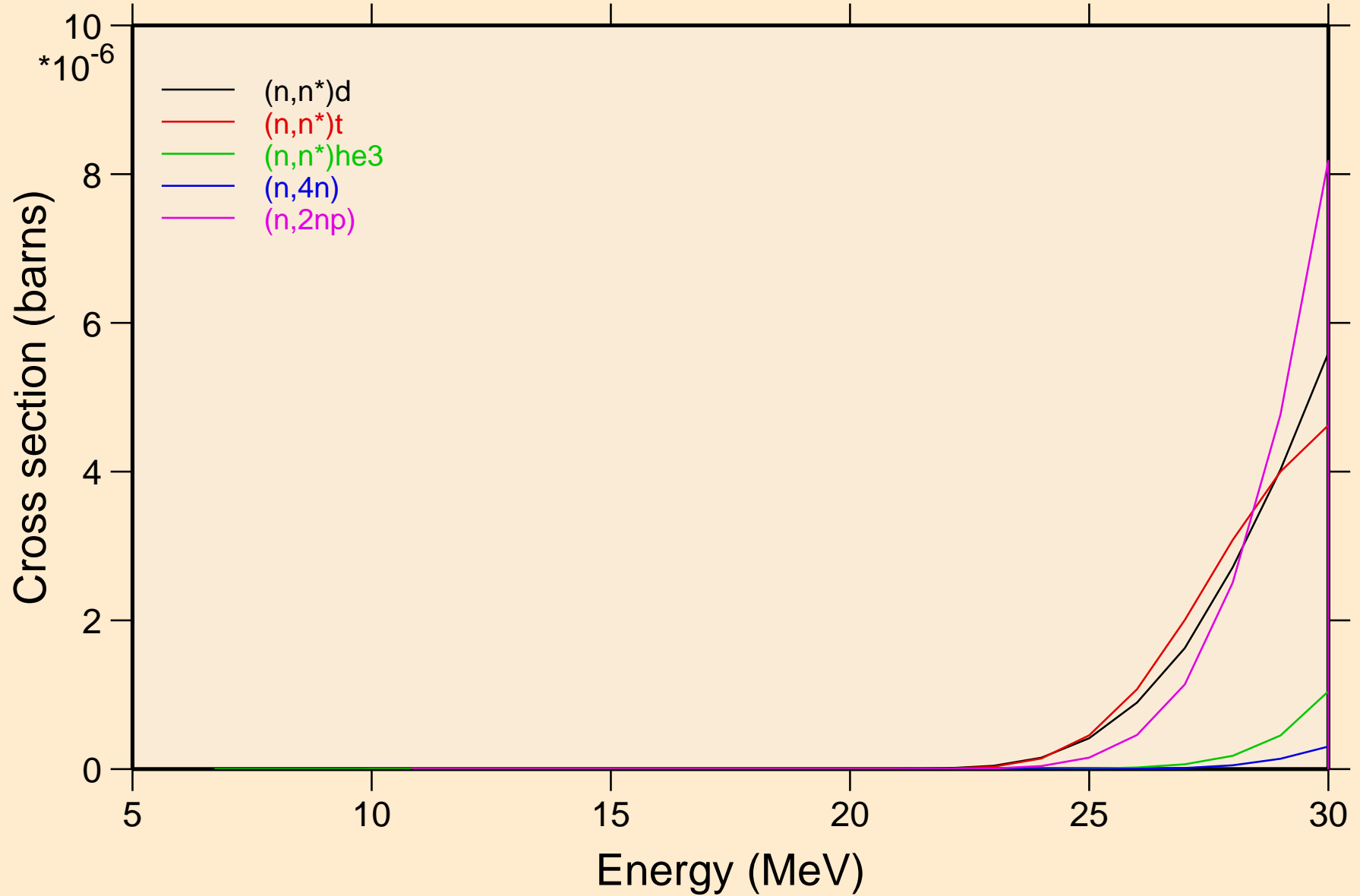
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



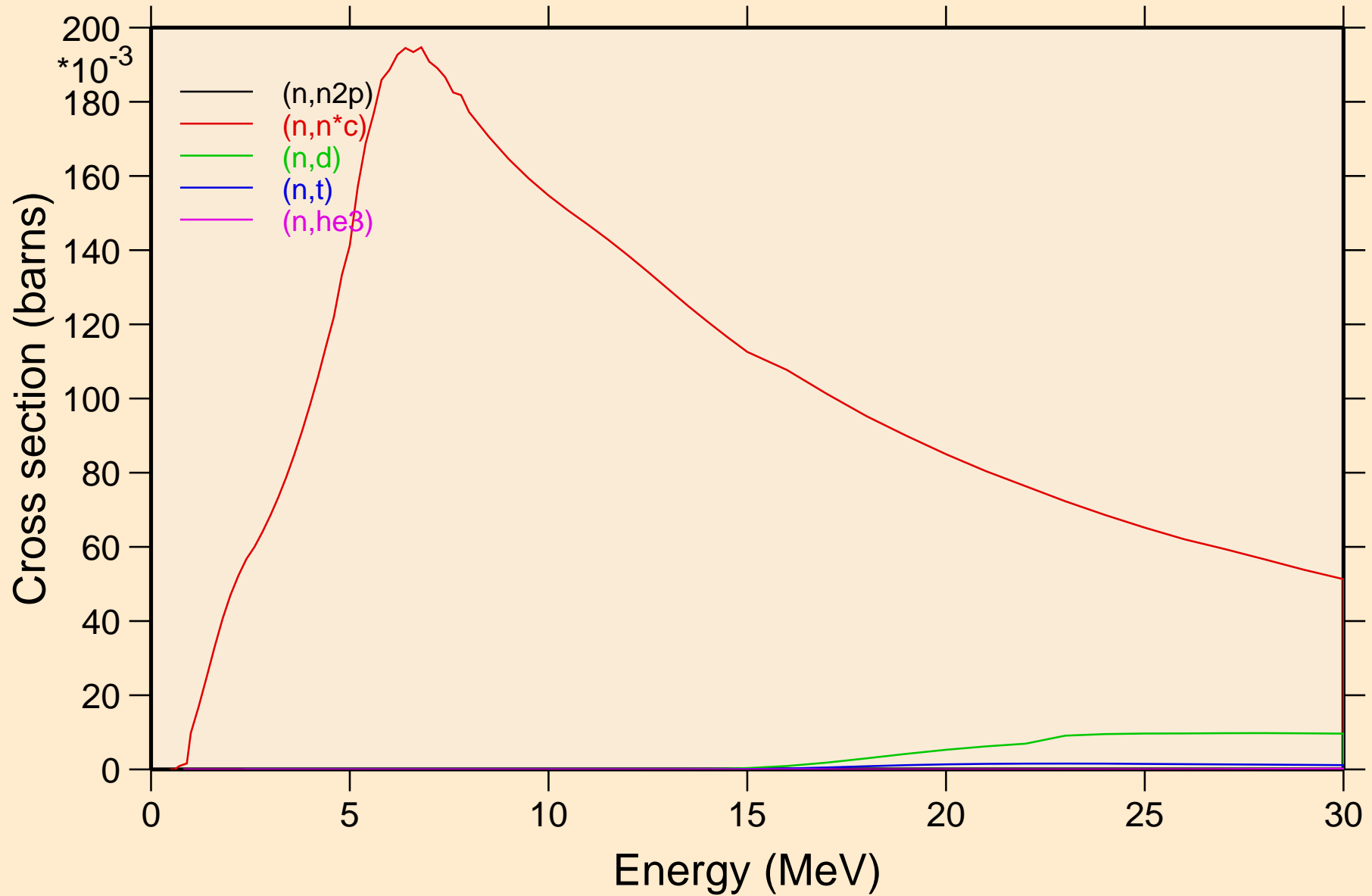
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



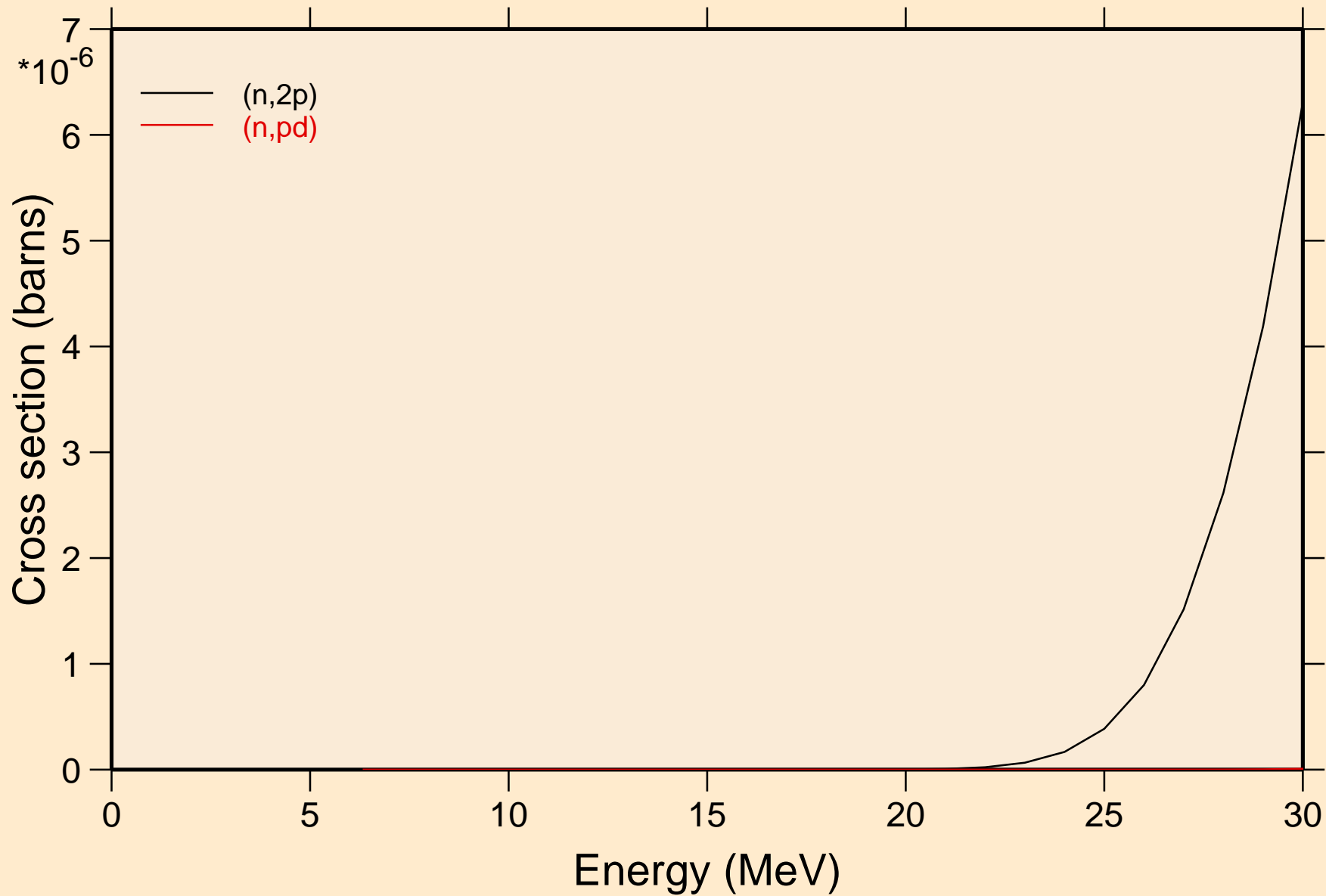
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## Threshold reactions



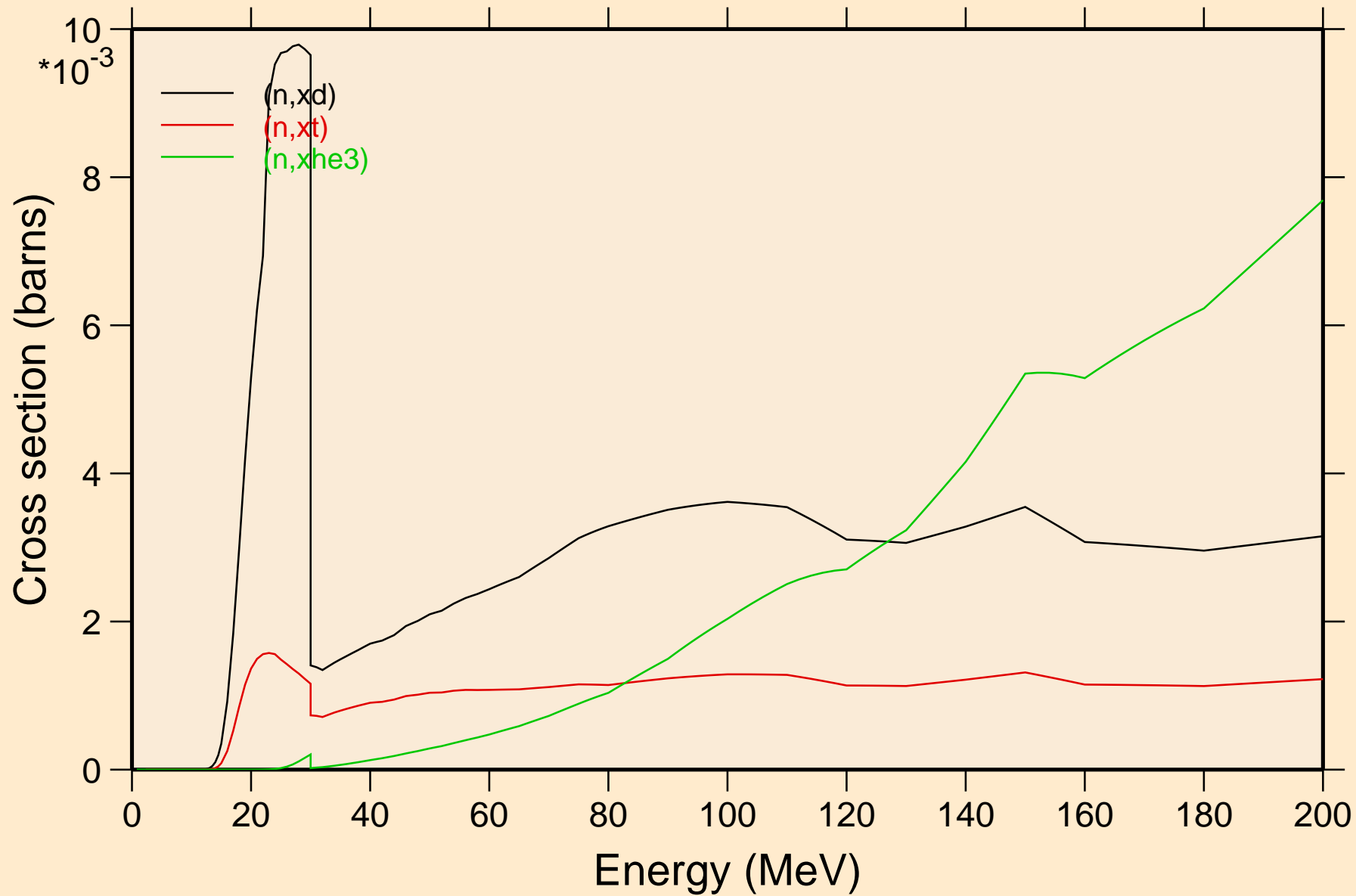
# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

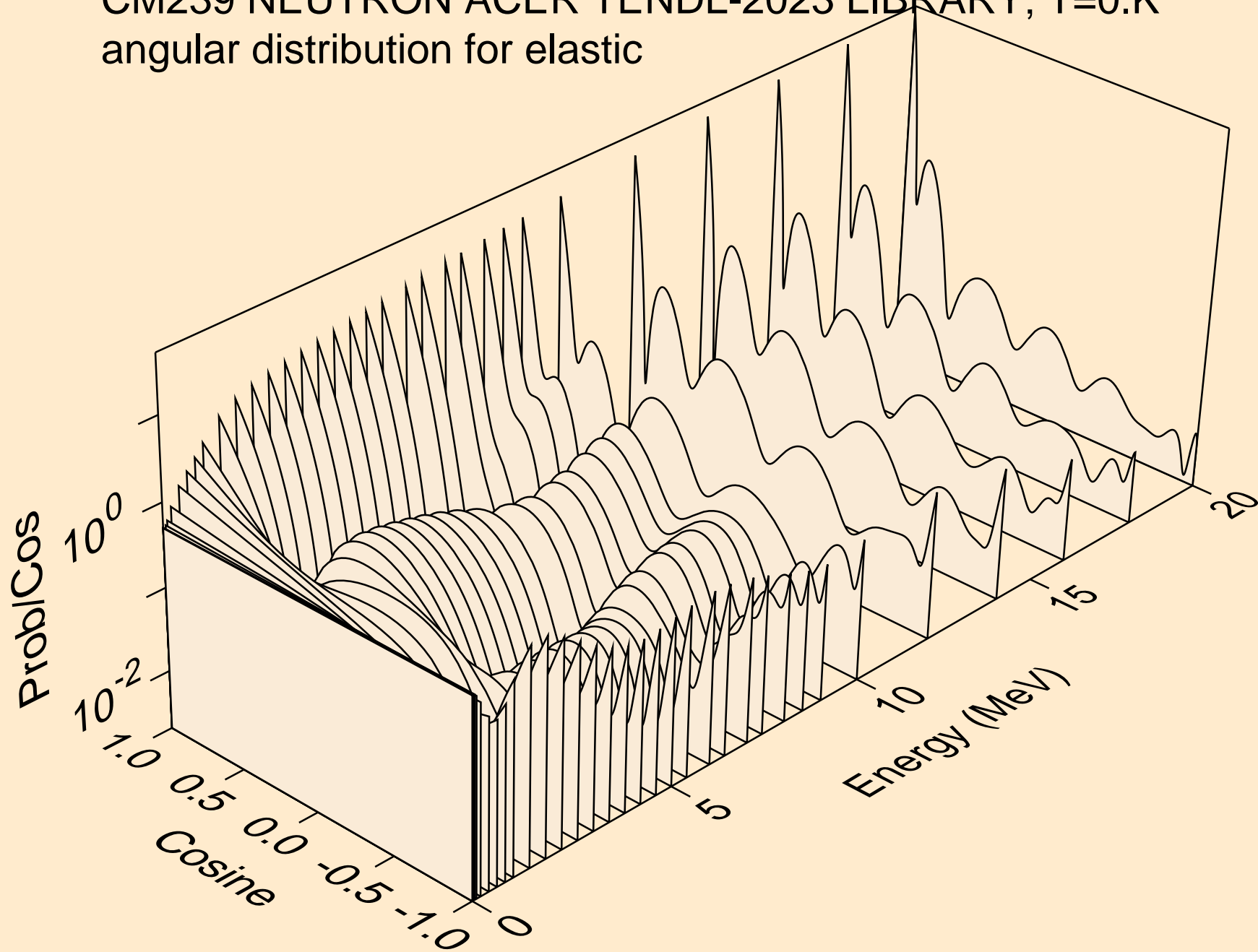


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

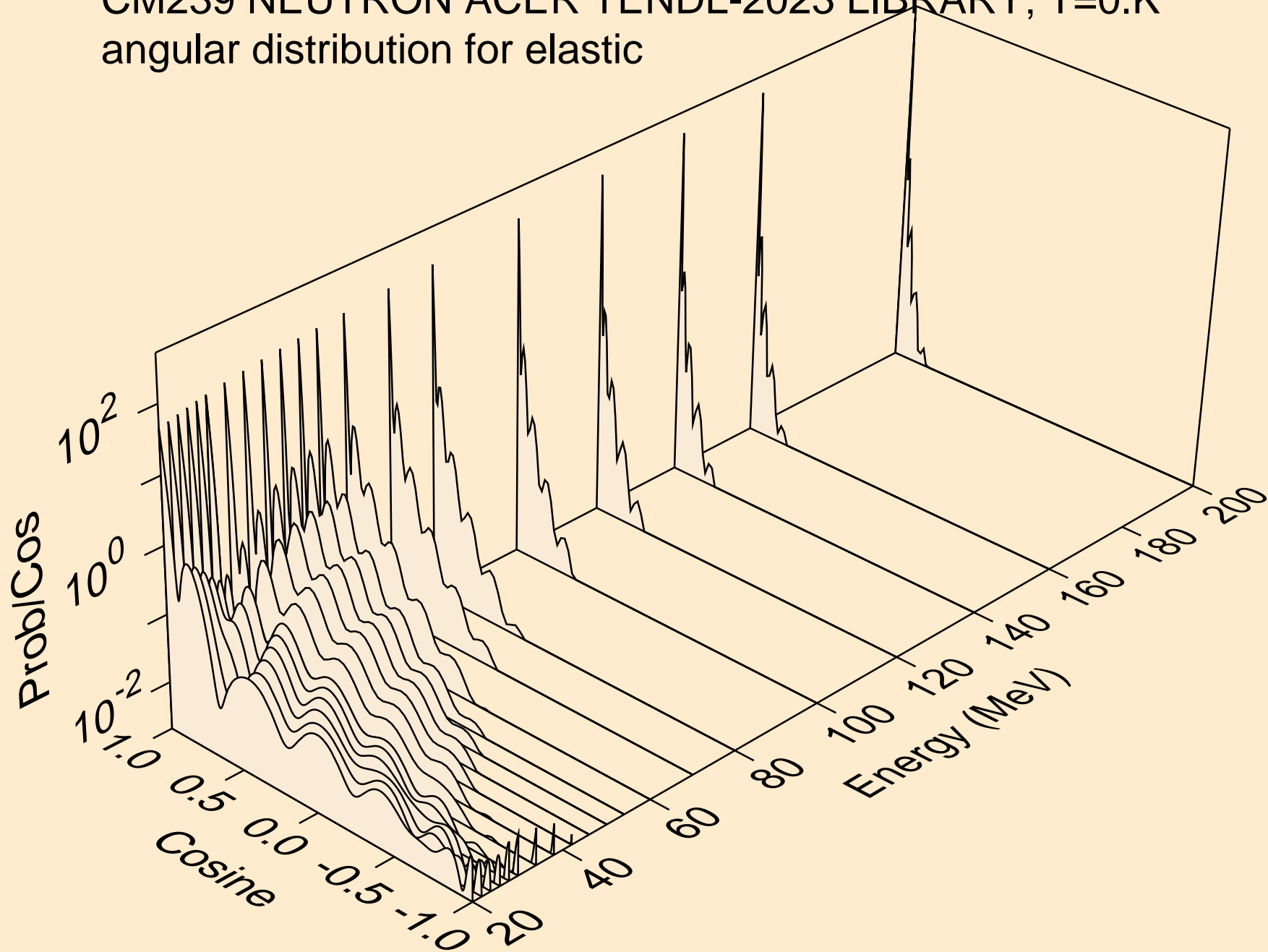
## Threshold reactions



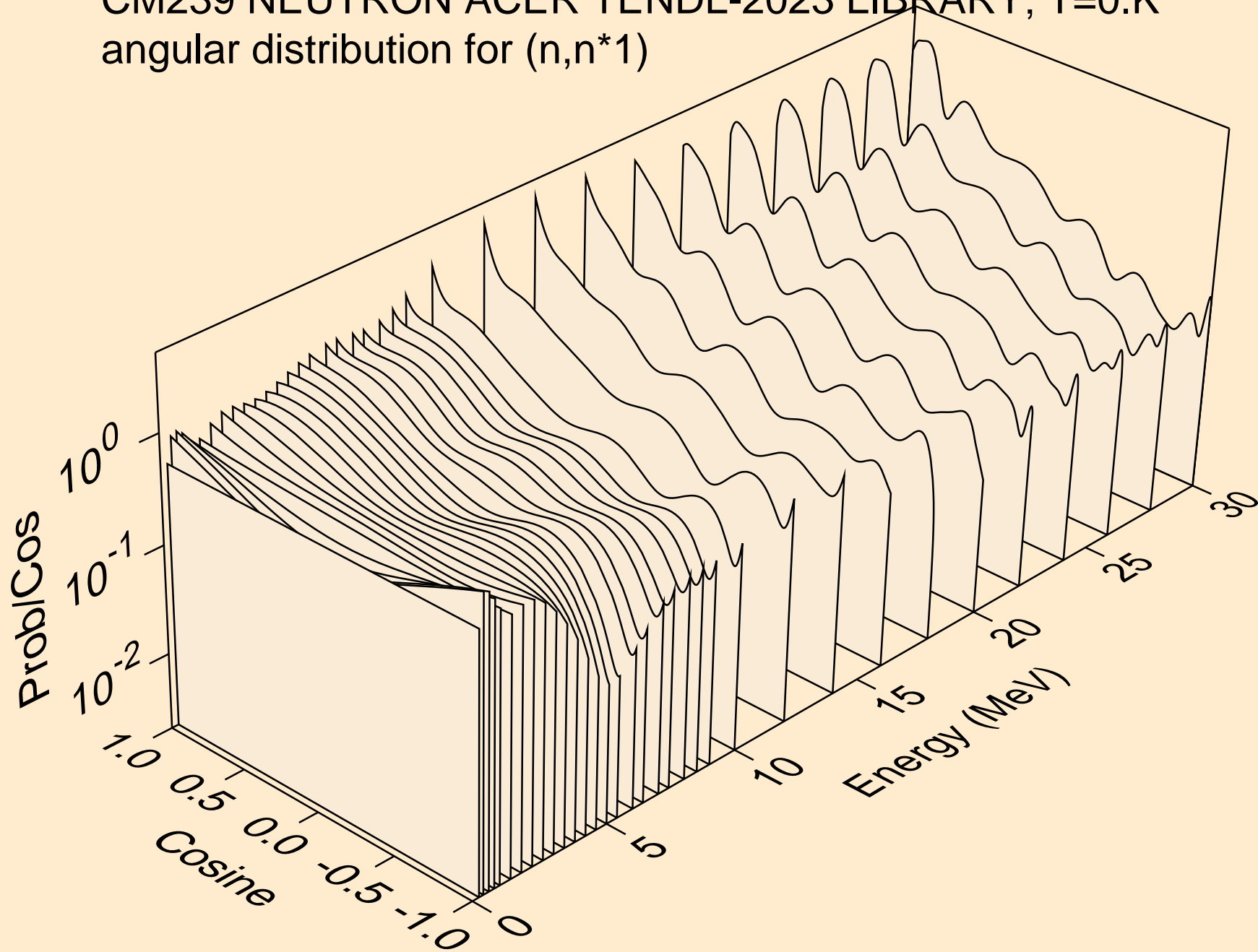
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



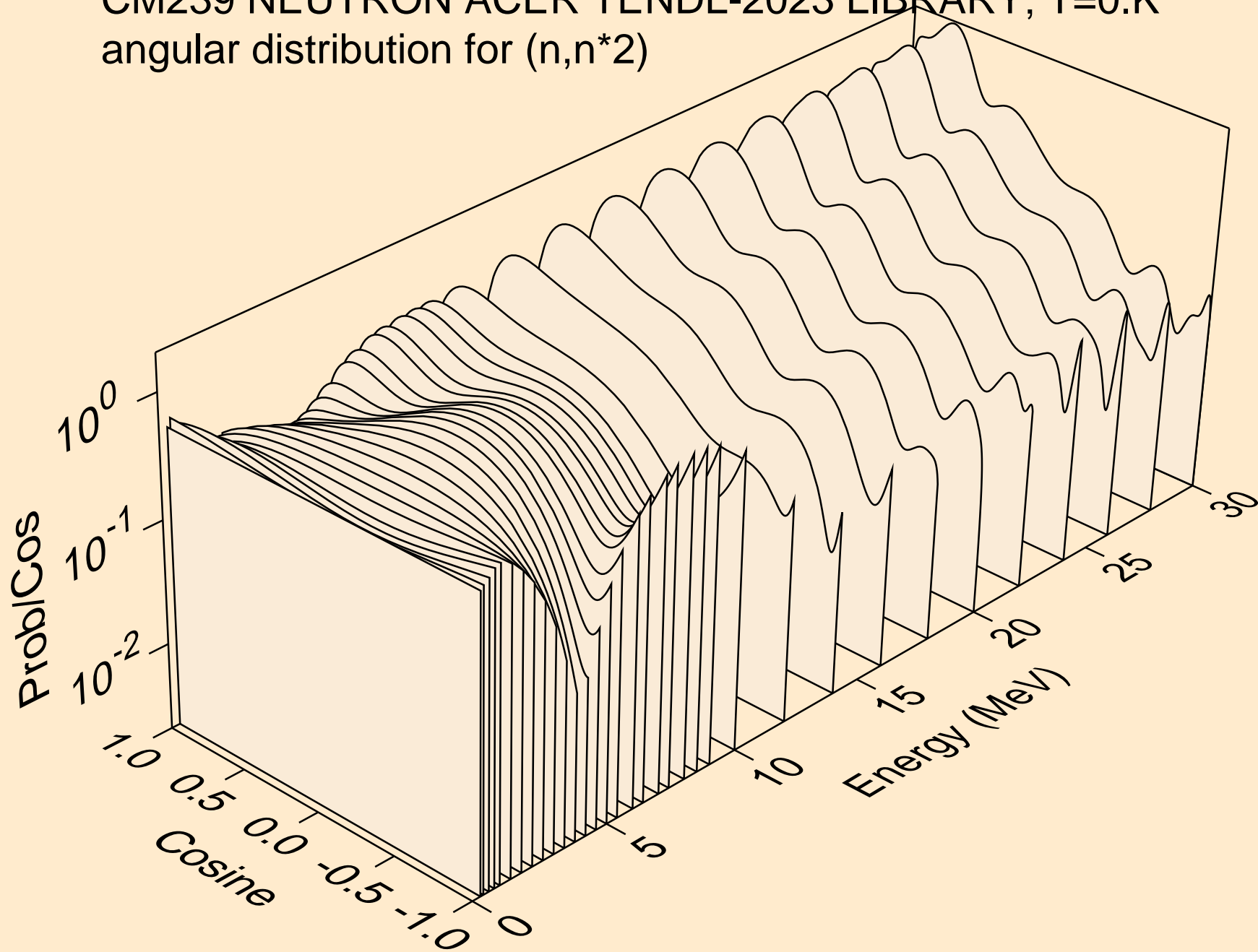
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angular distribution for elastic



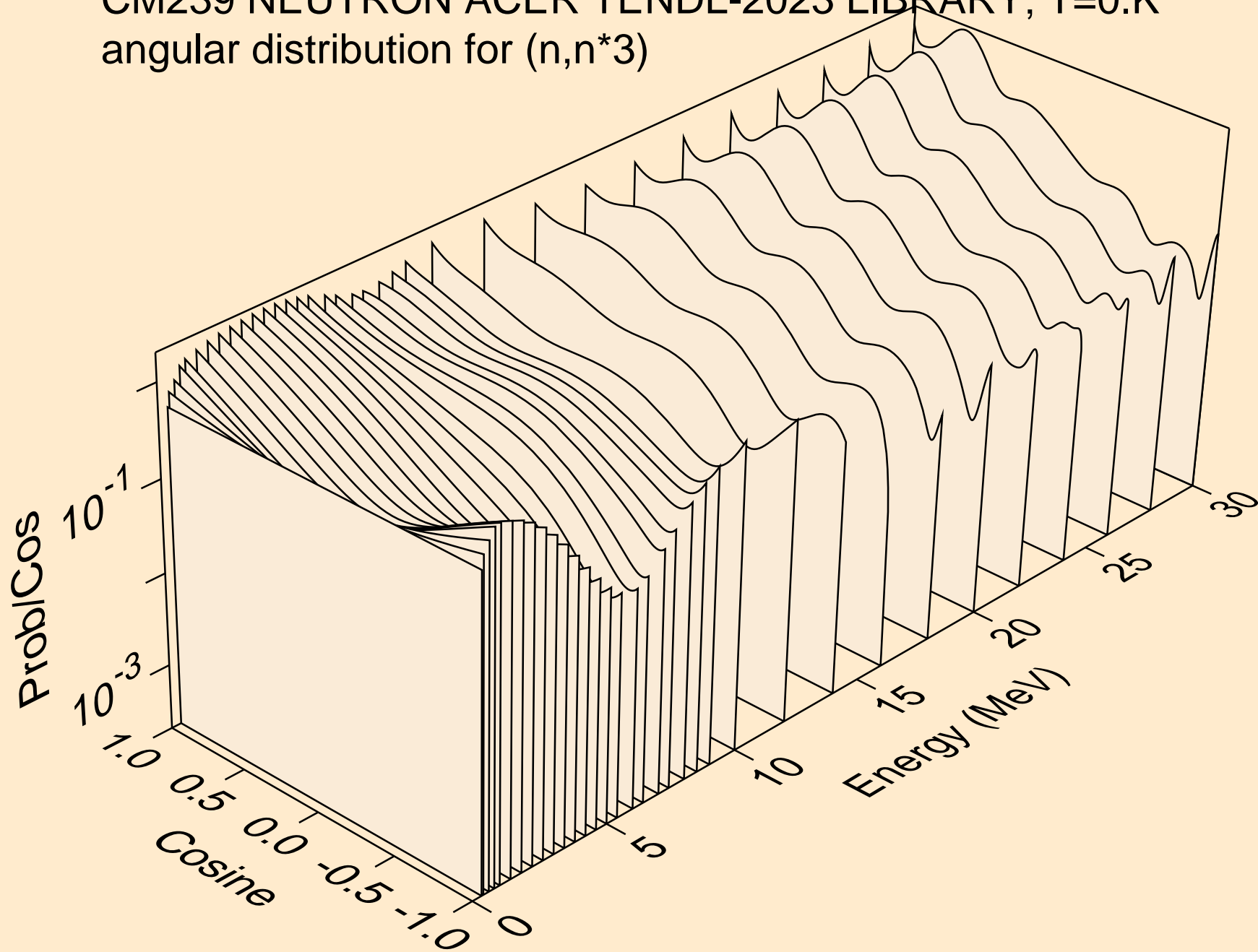
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



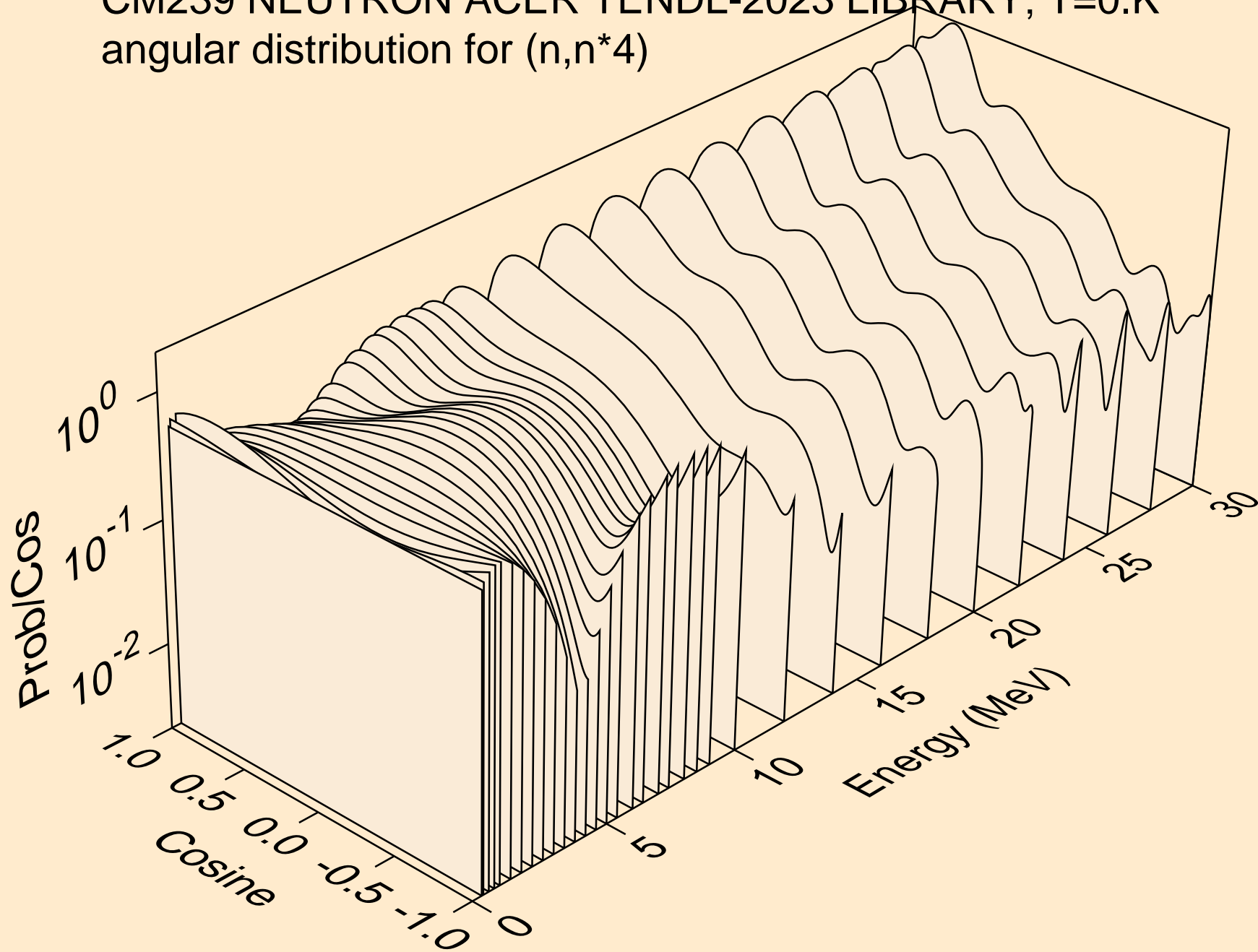
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angular distribution for (n,n\*2)



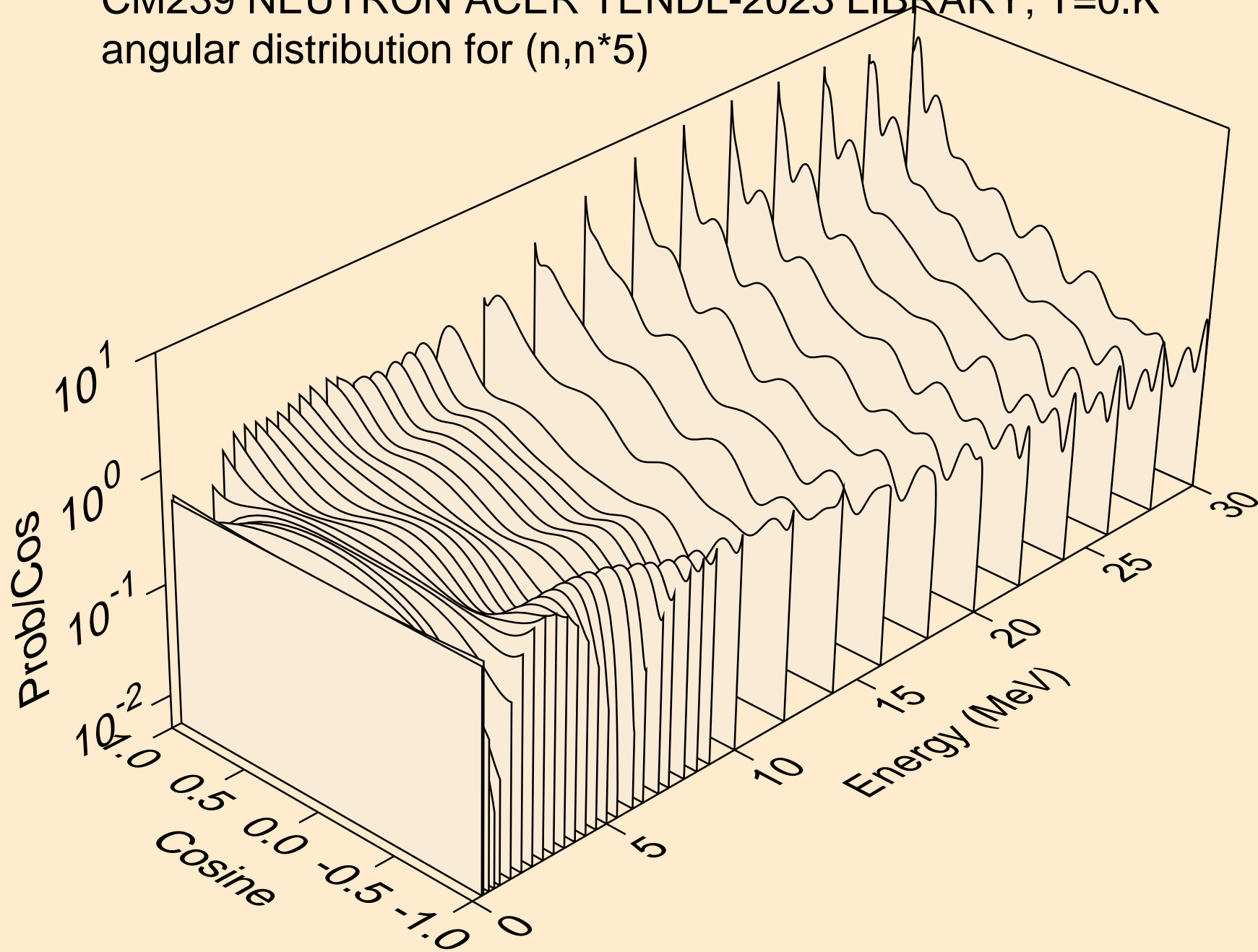
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angular distribution for (n,n\*3)



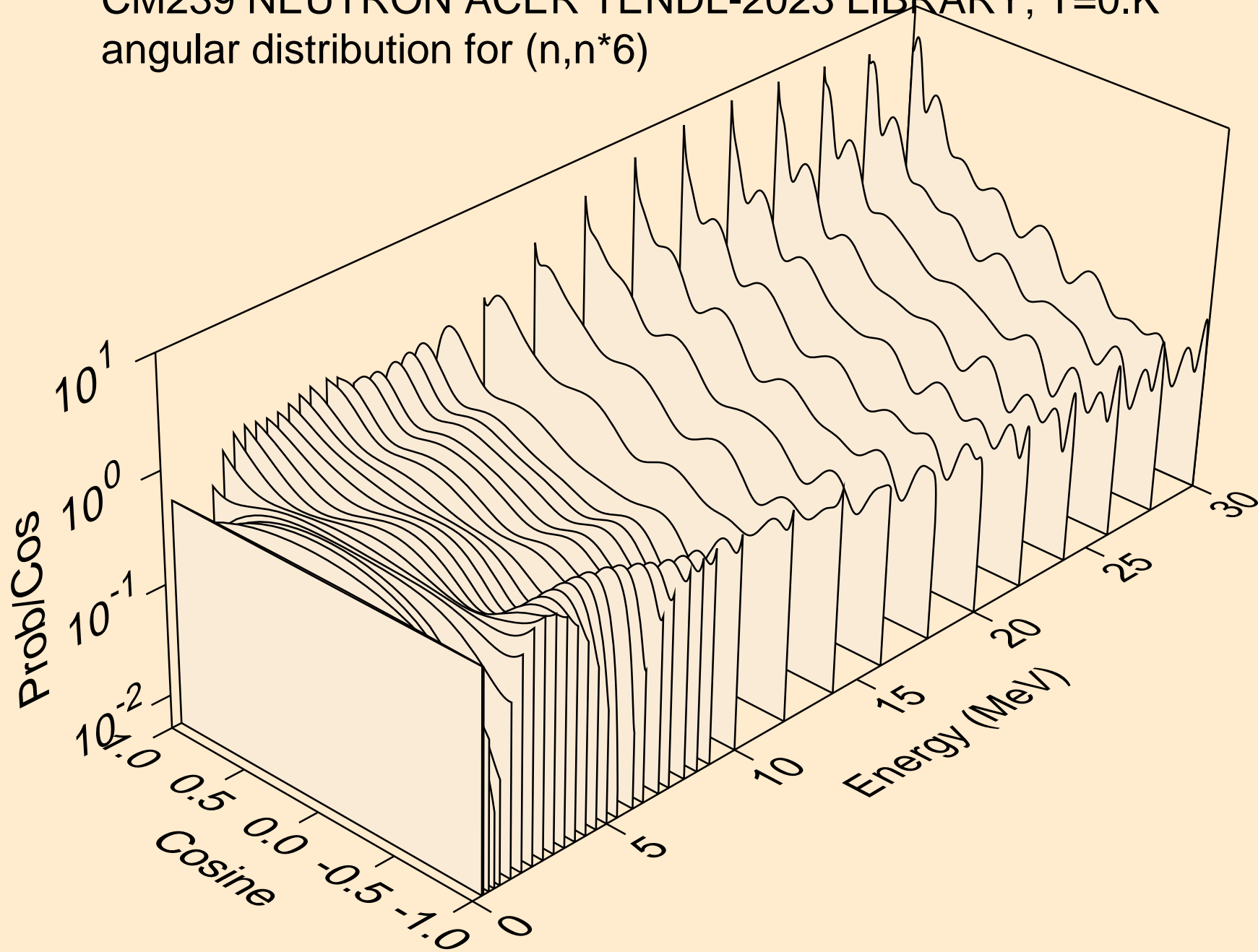
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angular distribution for (n,n\*4)



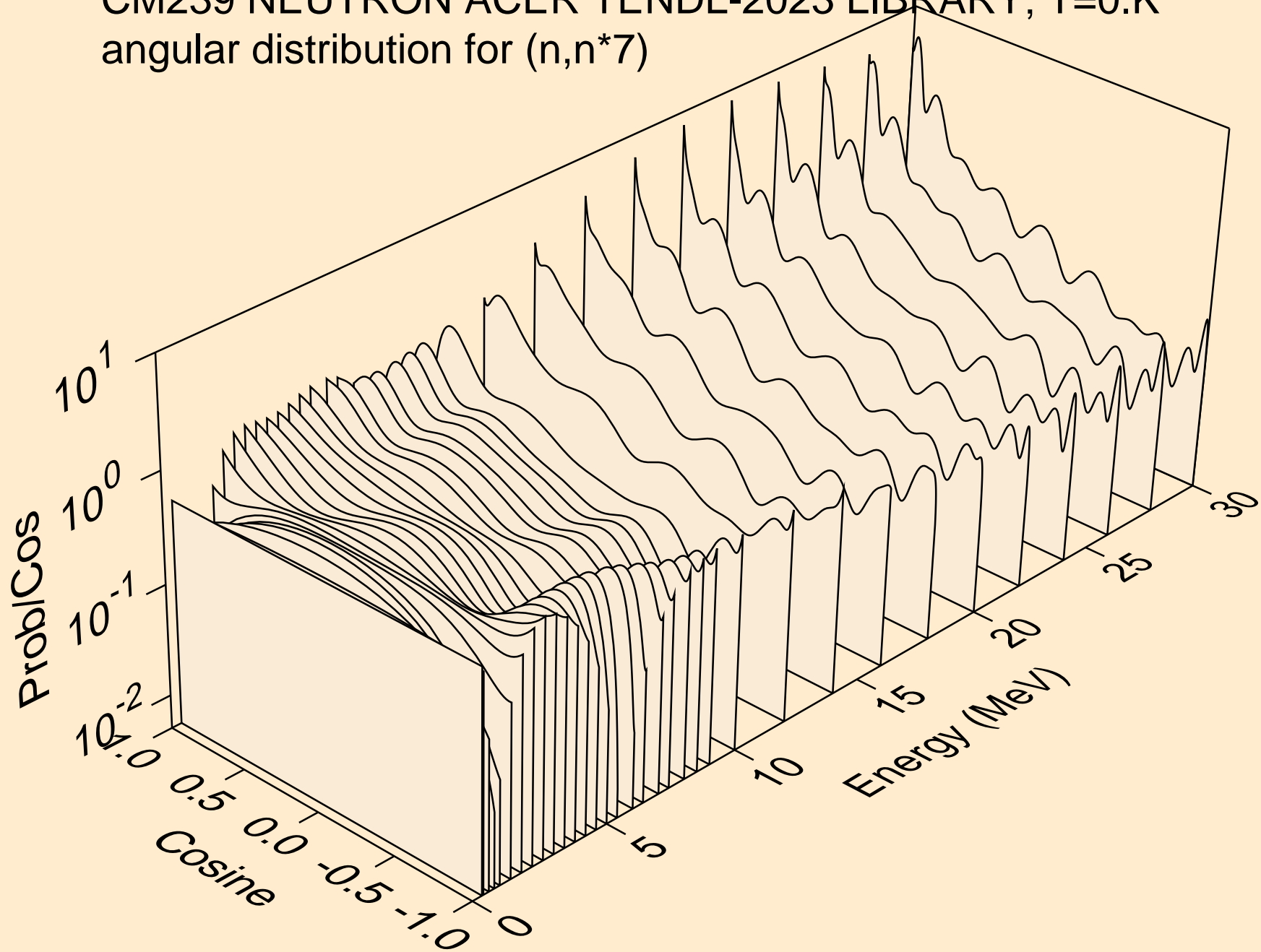
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angular distribution for (n,n\*5)



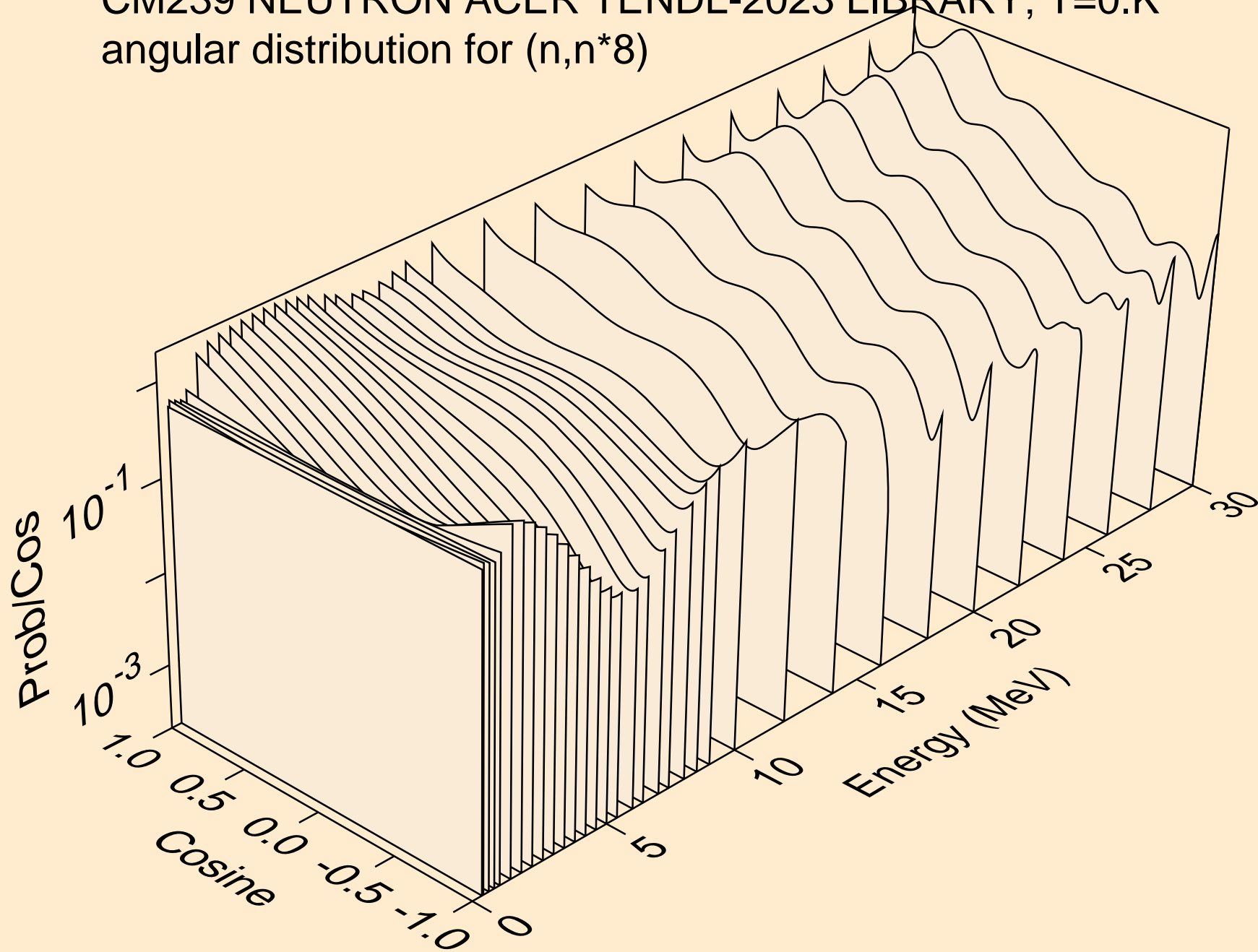
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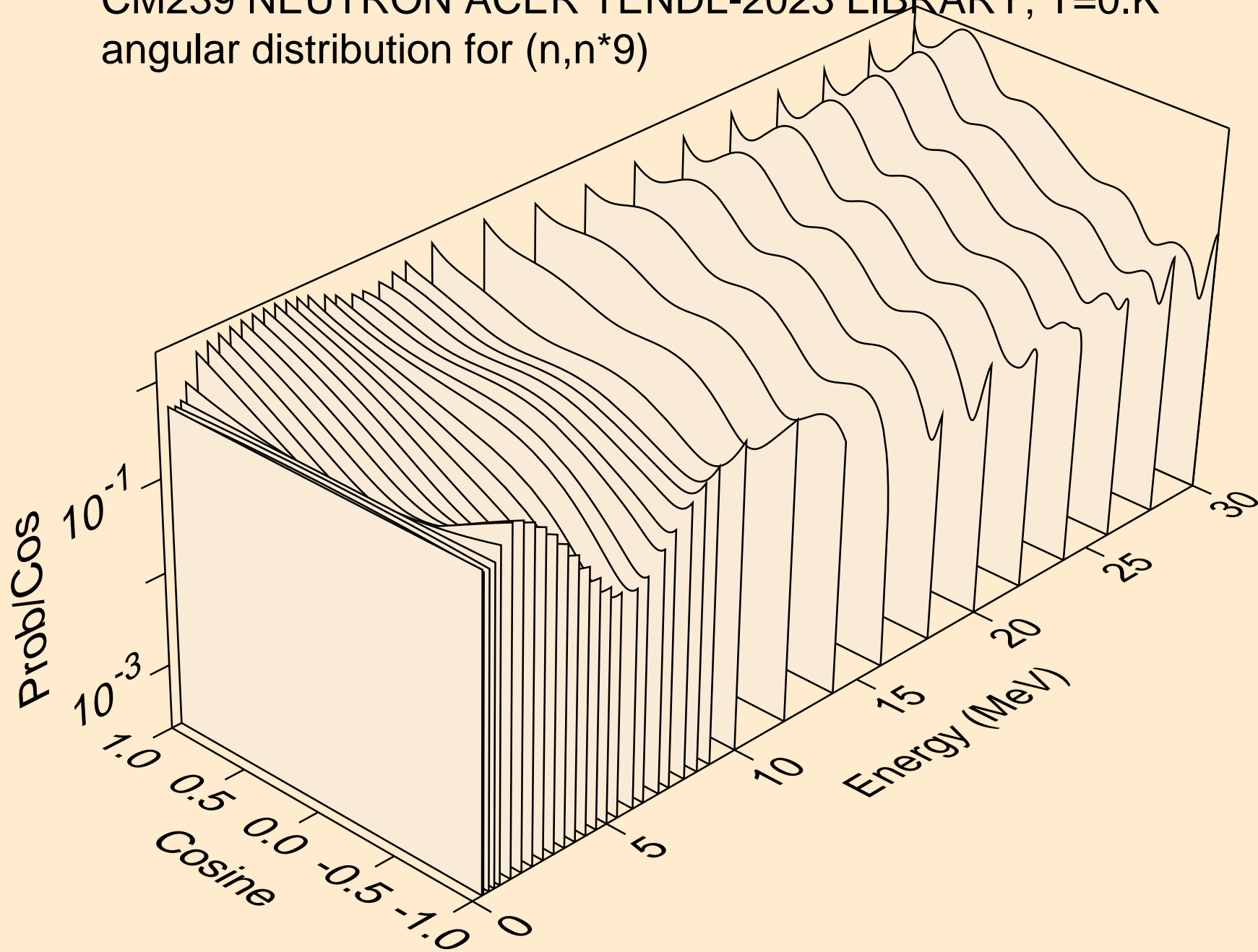
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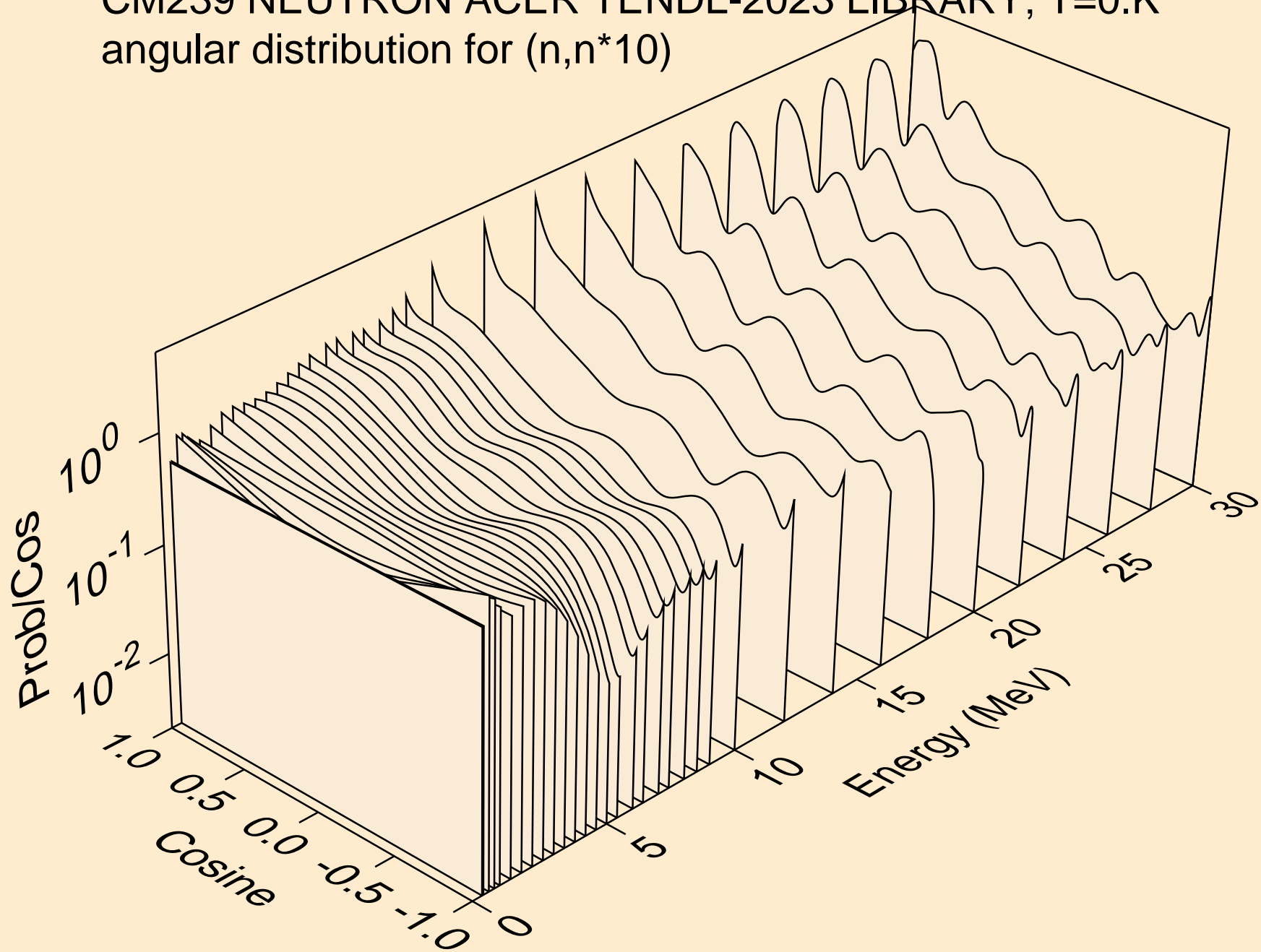
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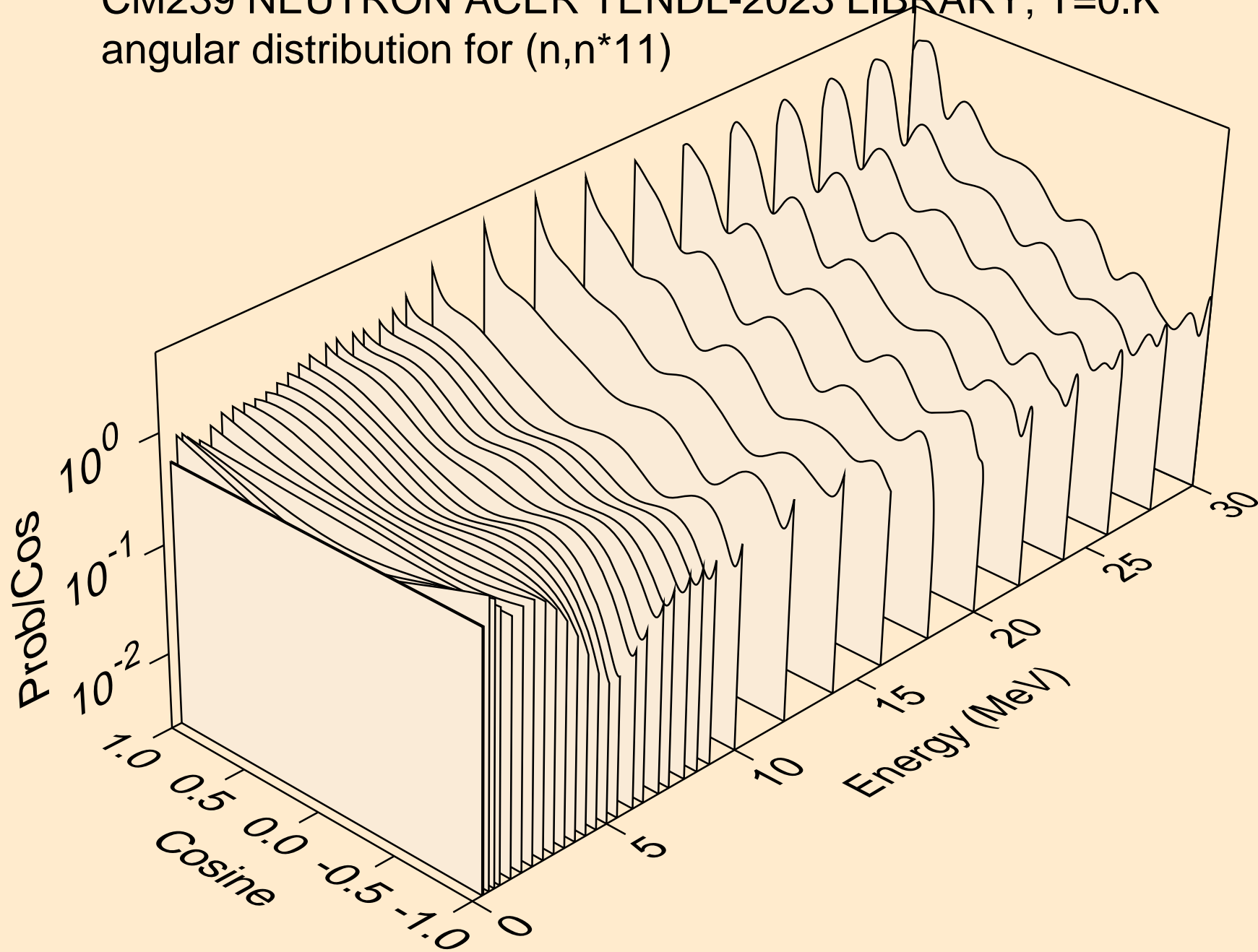
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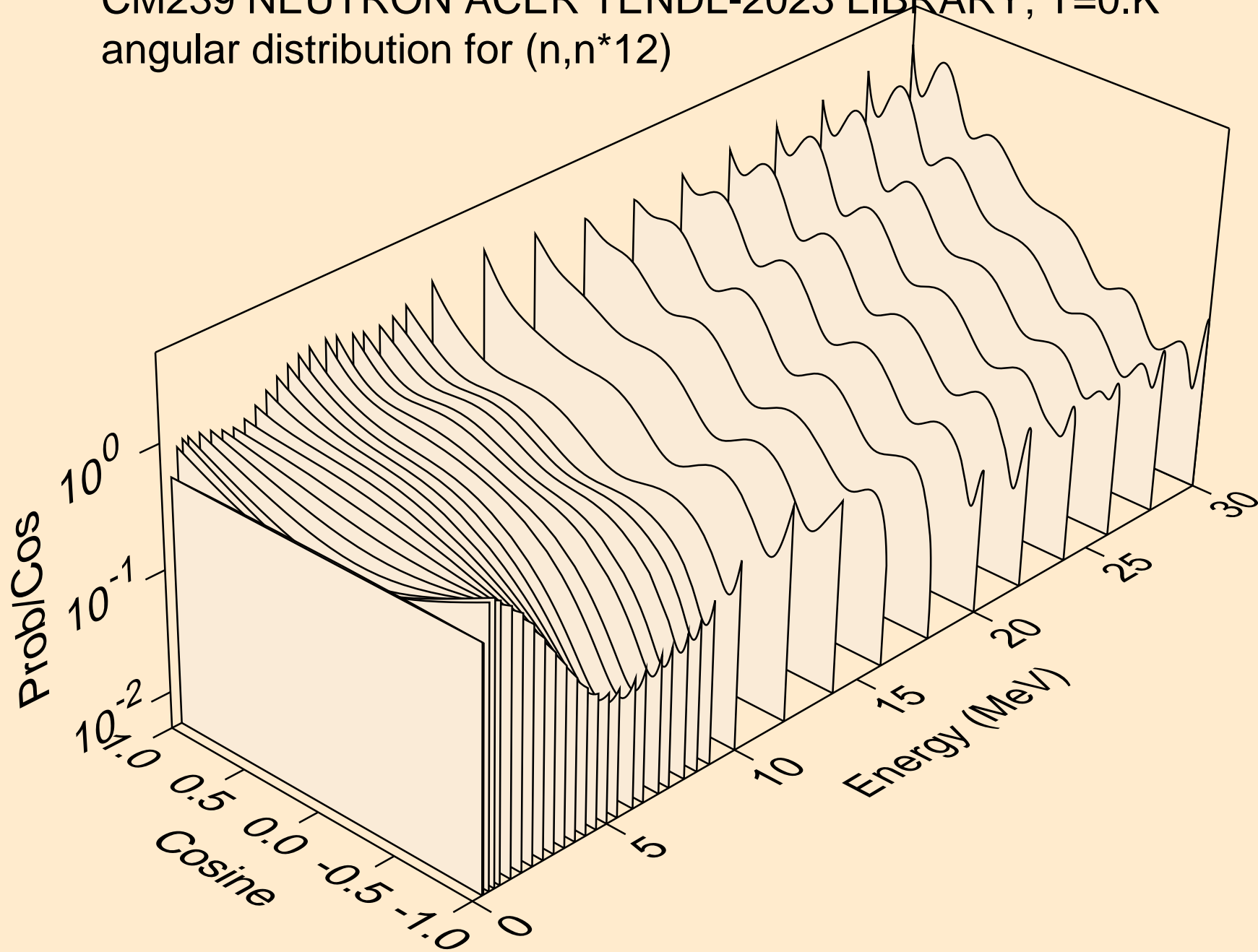
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angular distribution for (n,n\*10)



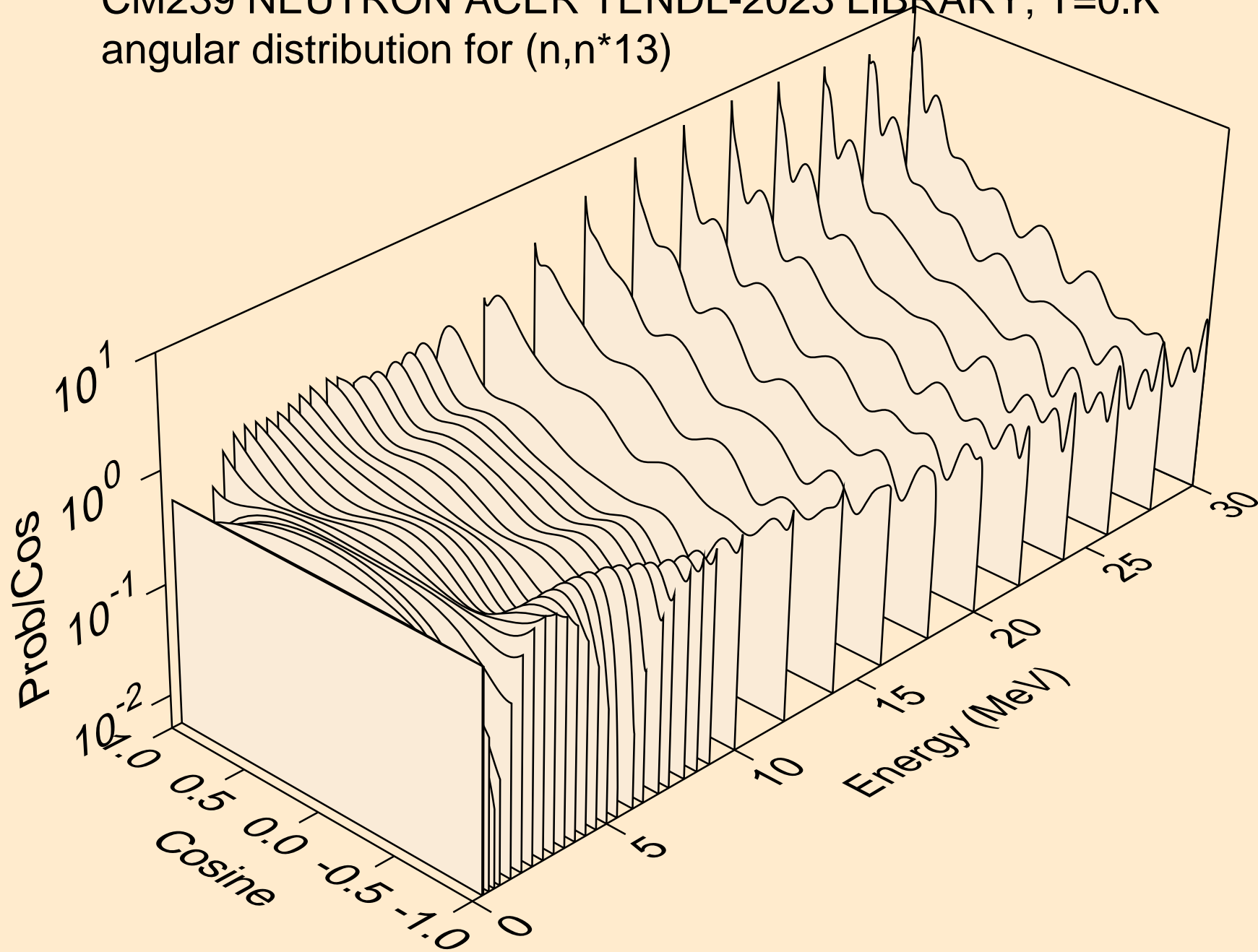
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angular distribution for (n,n\*11)



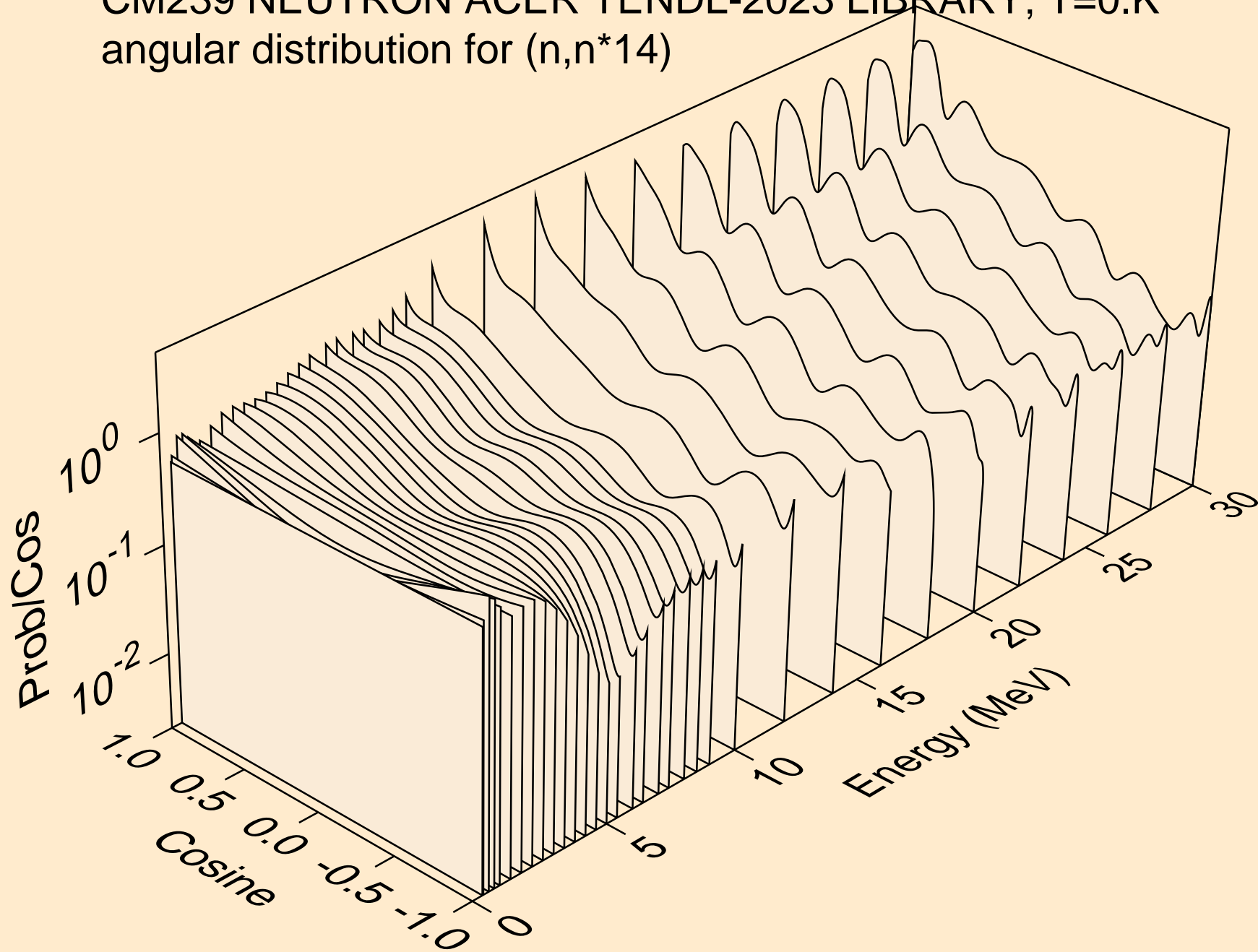
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angular distribution for (n,n\*12)



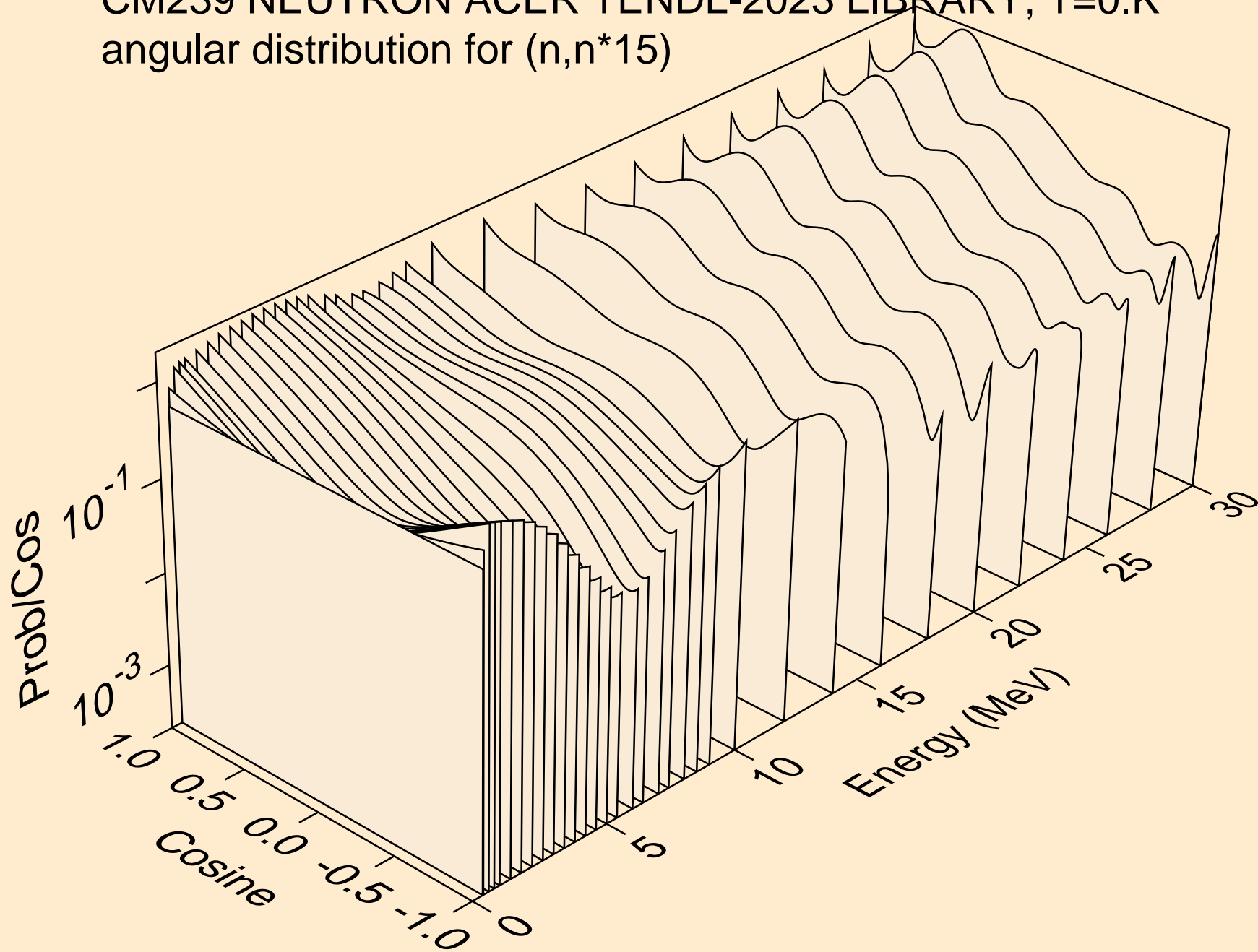
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angular distribution for (n,n\*13)



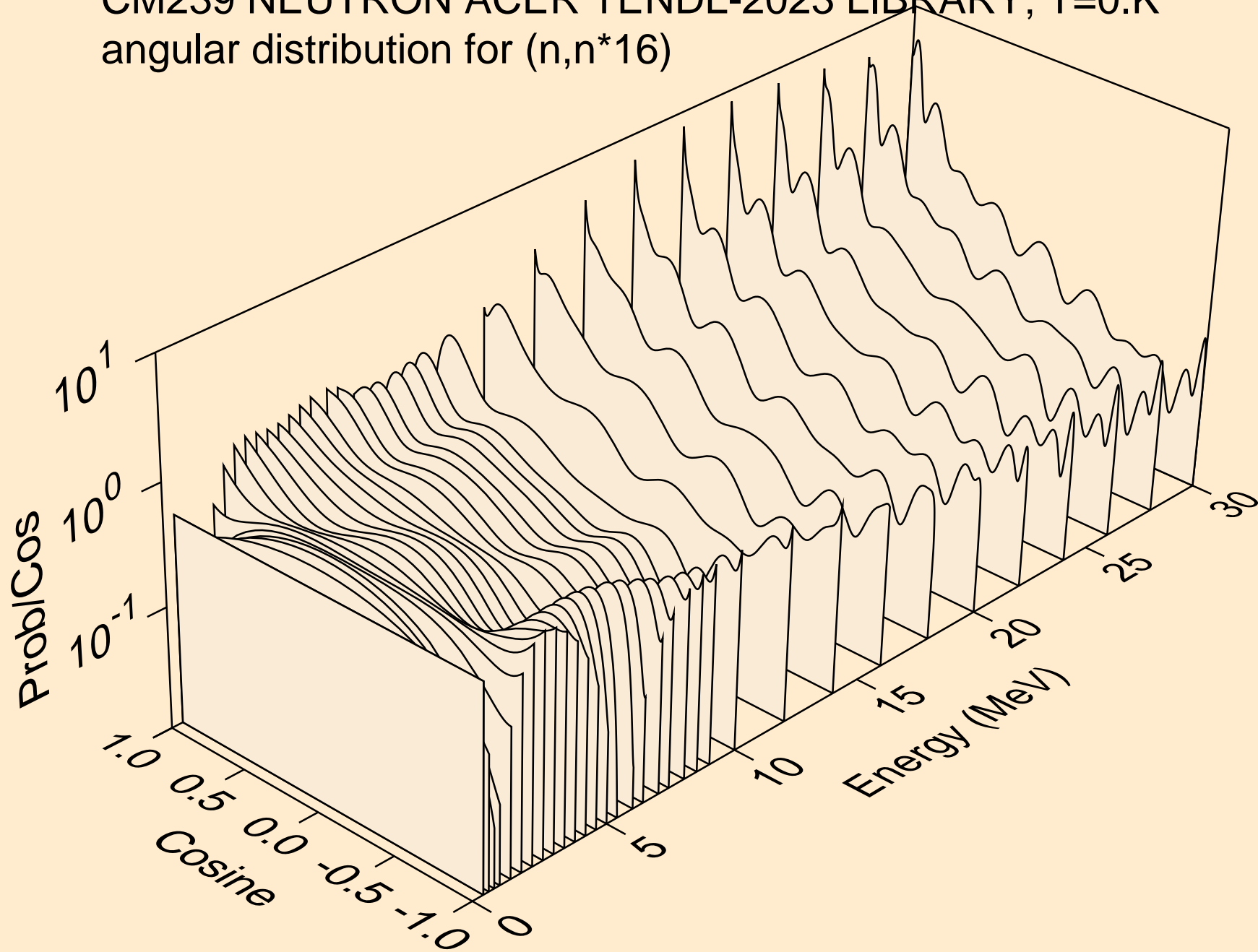
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angular distribution for (n,n\*14)



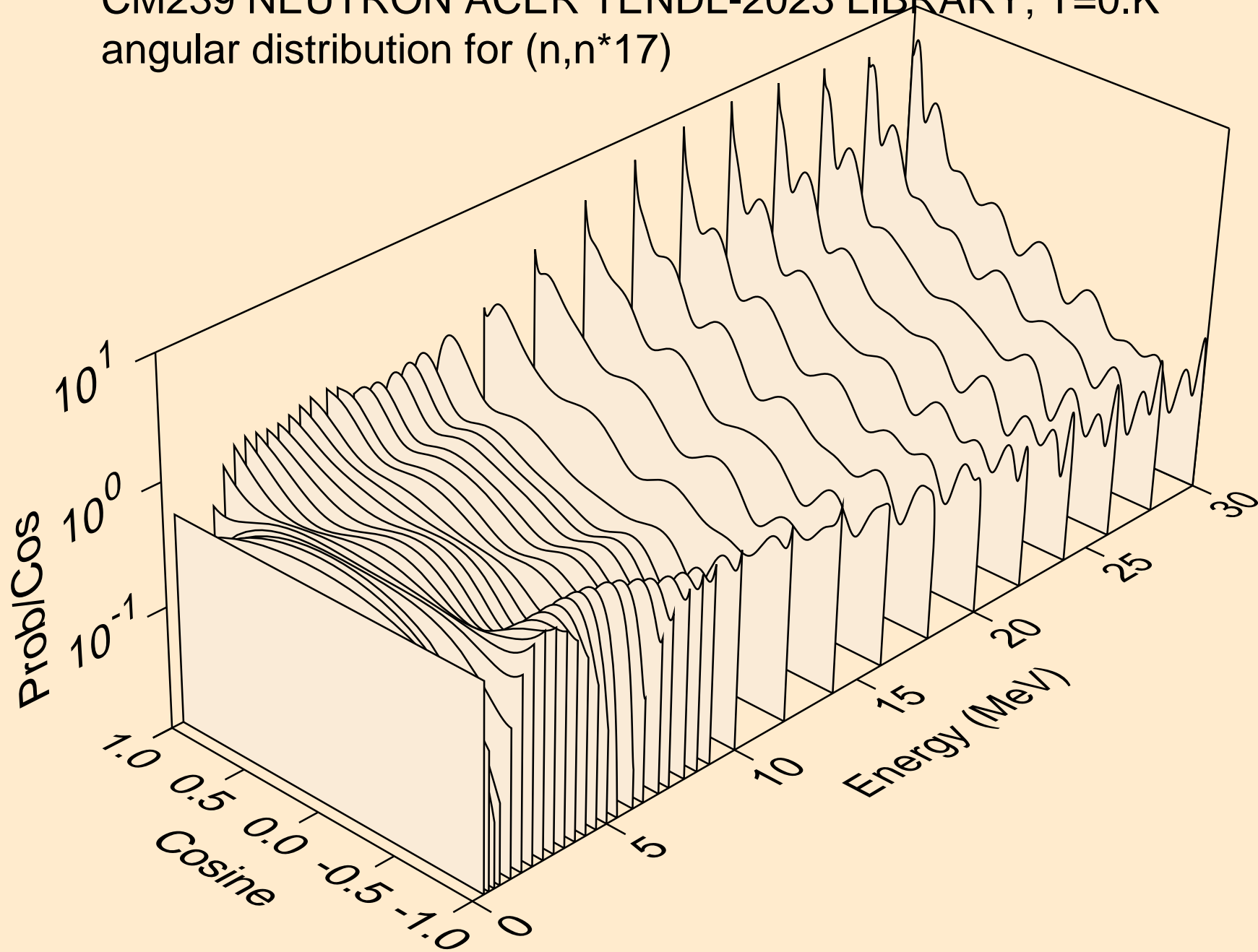
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angular distribution for (n,n\*15)



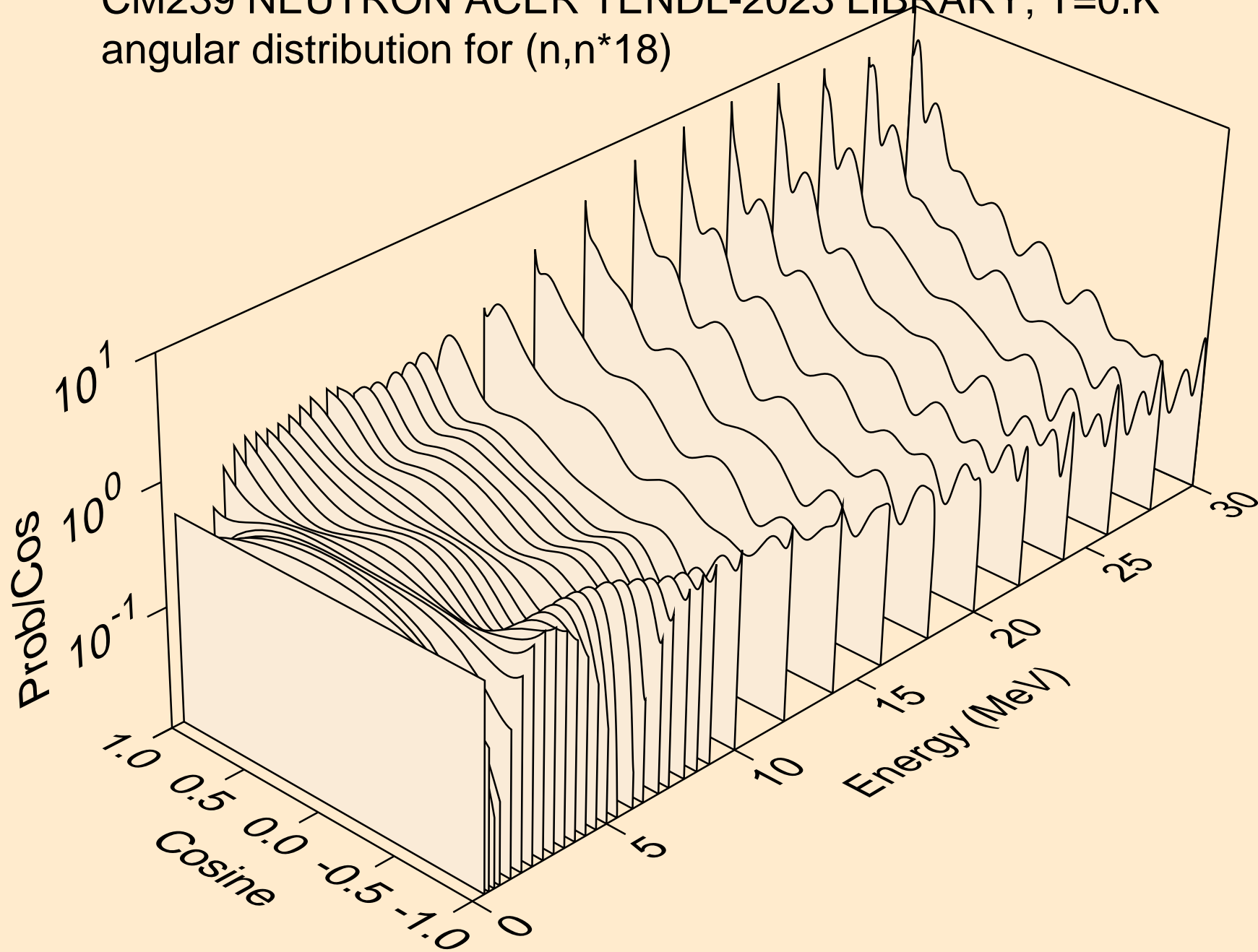
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angular distribution for (n,n\*16)



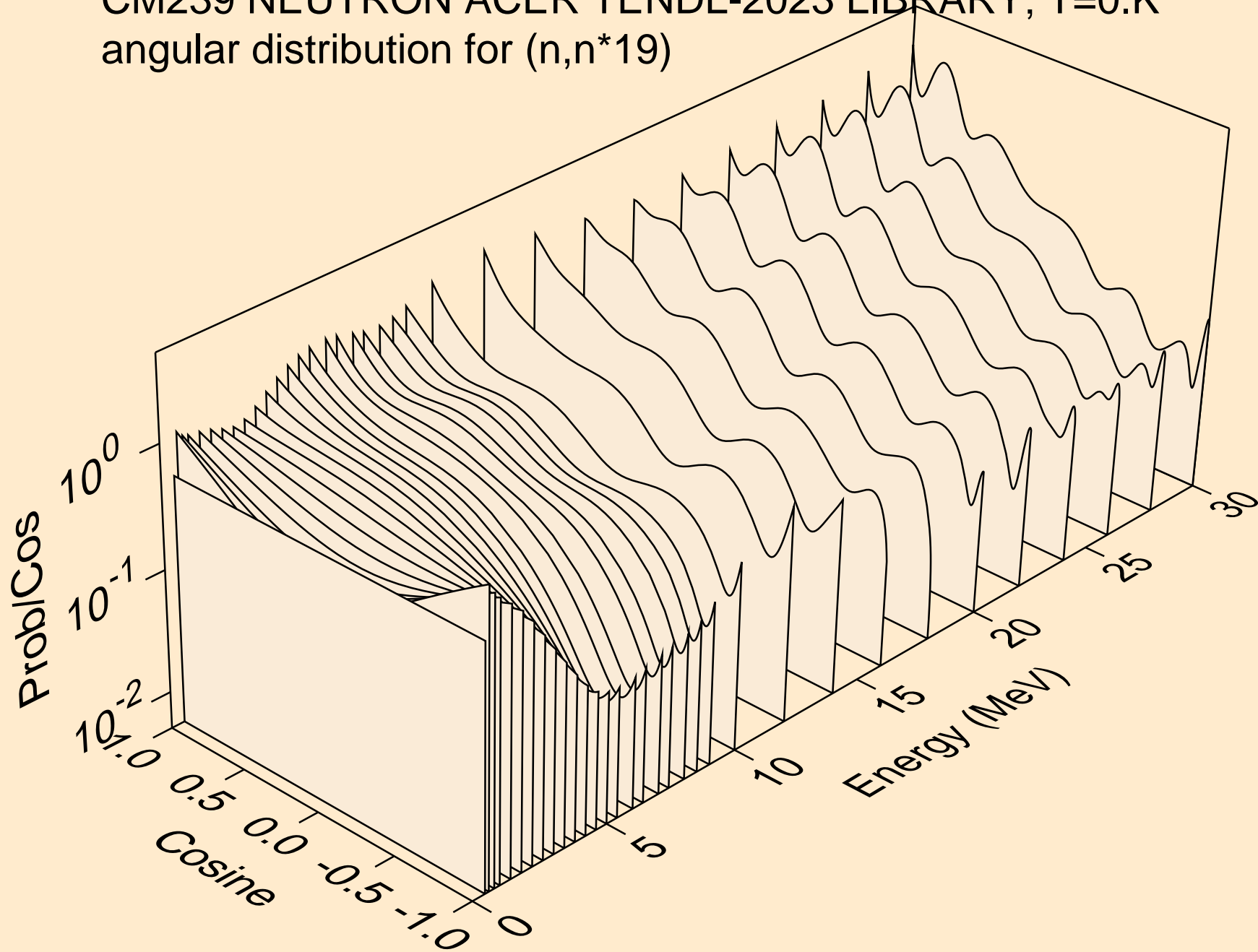
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angular distribution for (n,n\*17)



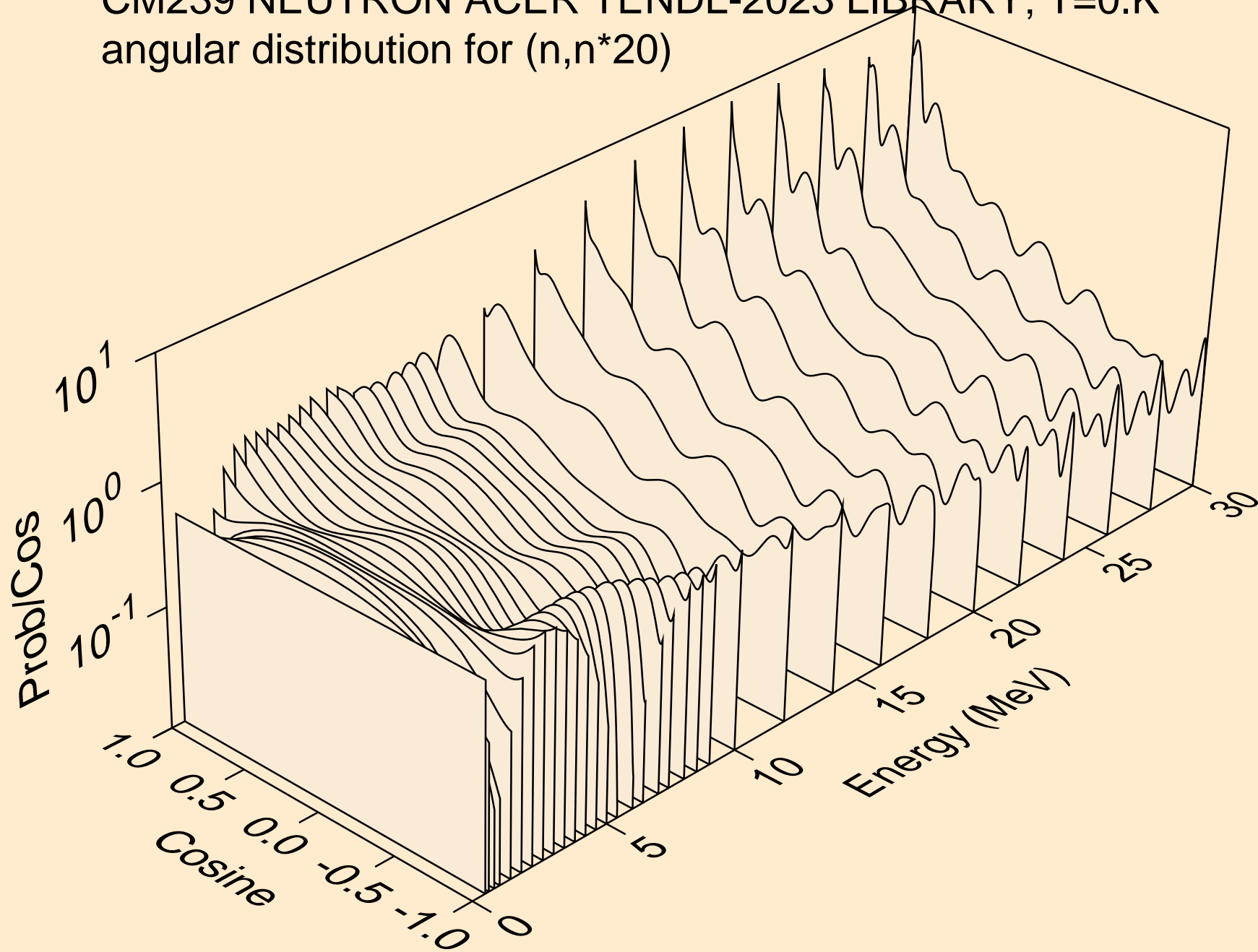
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angular distribution for (n,n\*18)



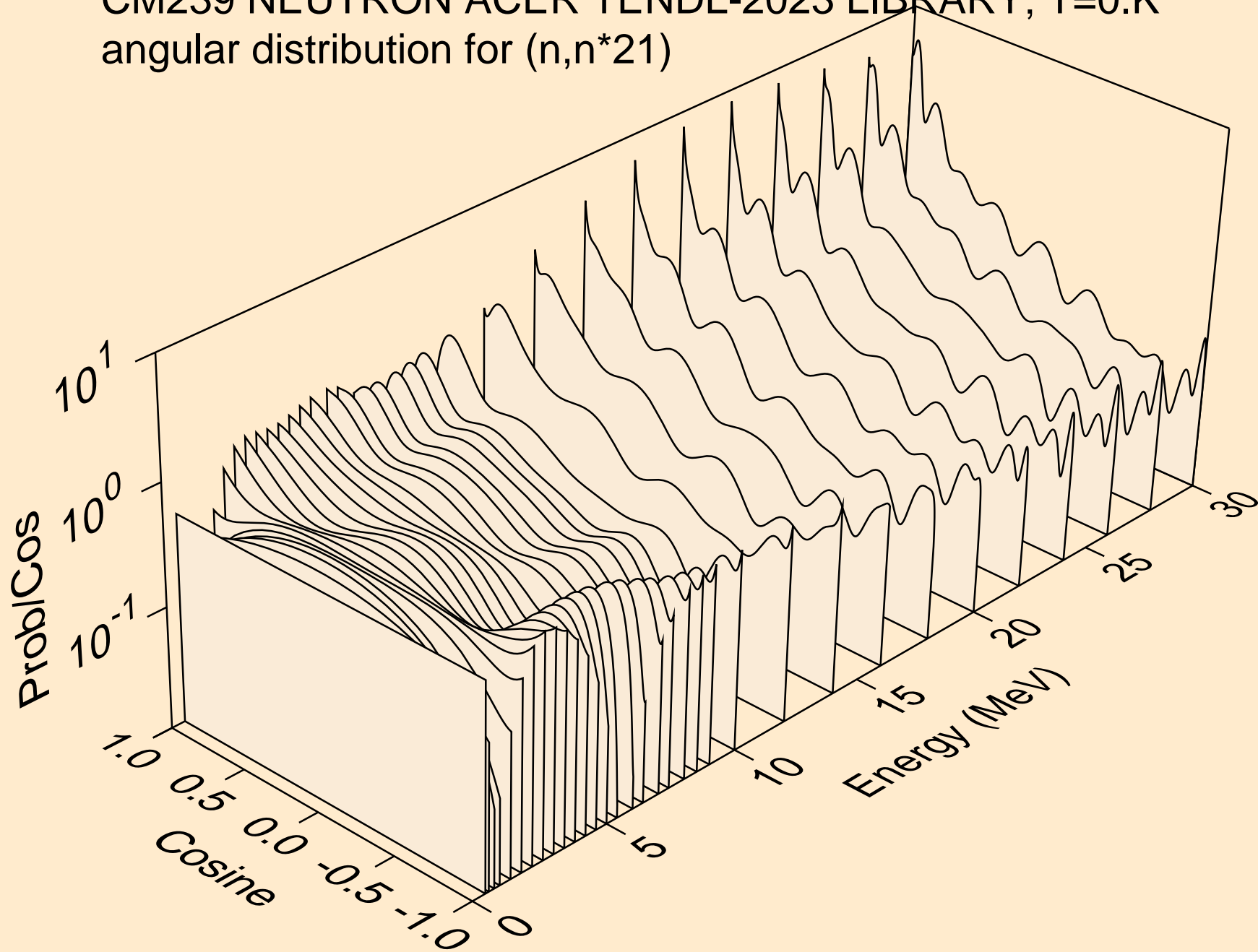
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angular distribution for (n,n\*19)



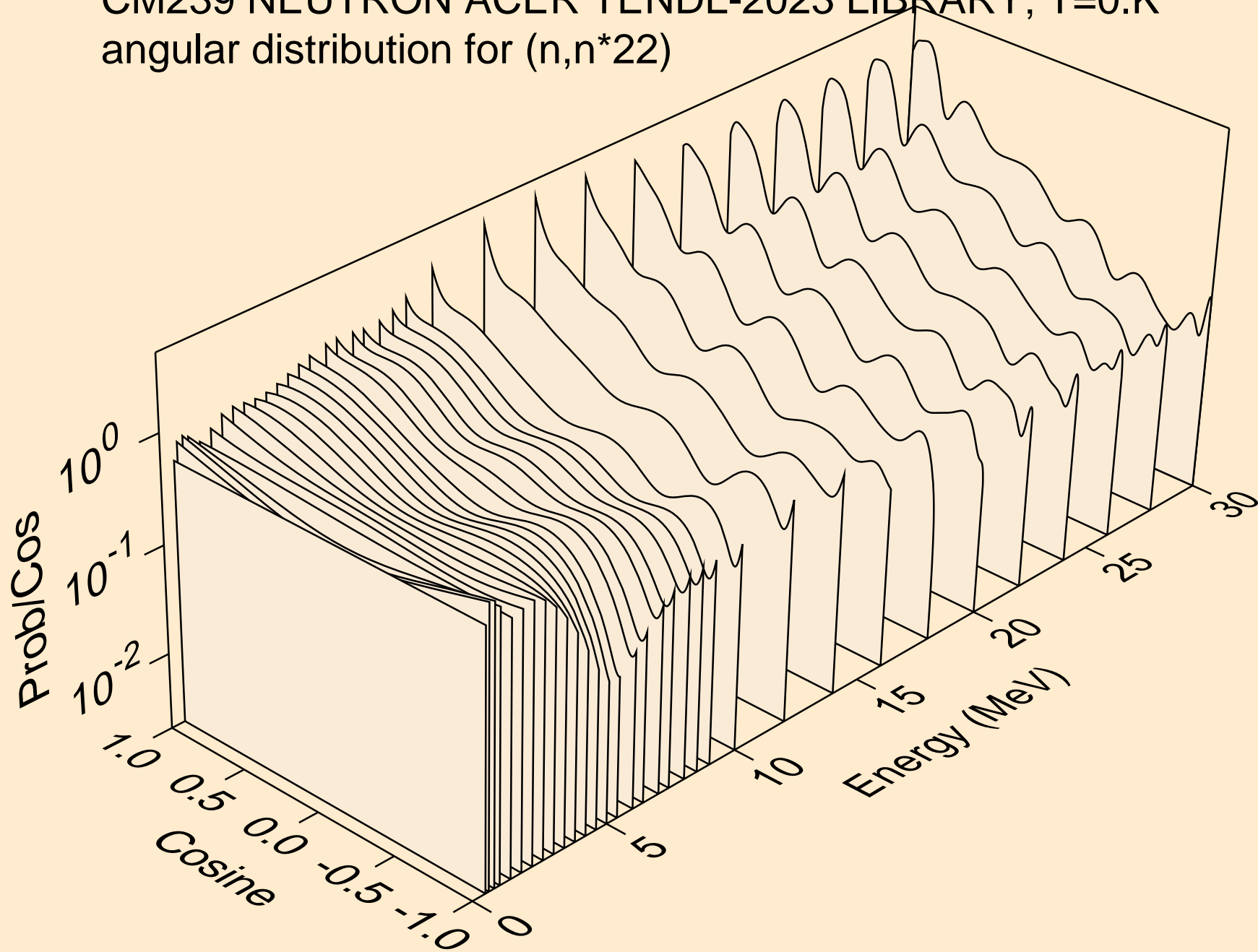
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angular distribution for (n,n\*20)



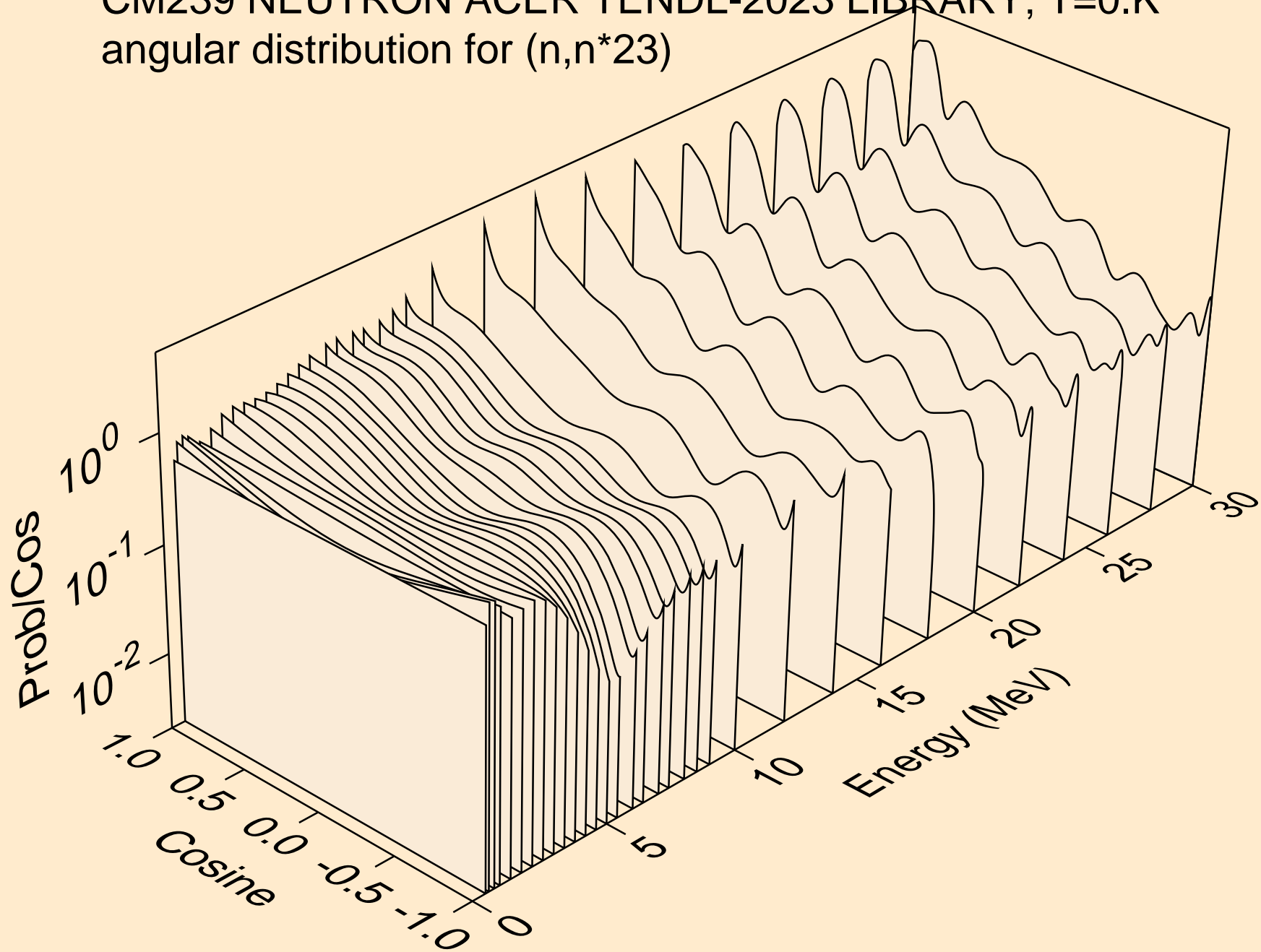
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

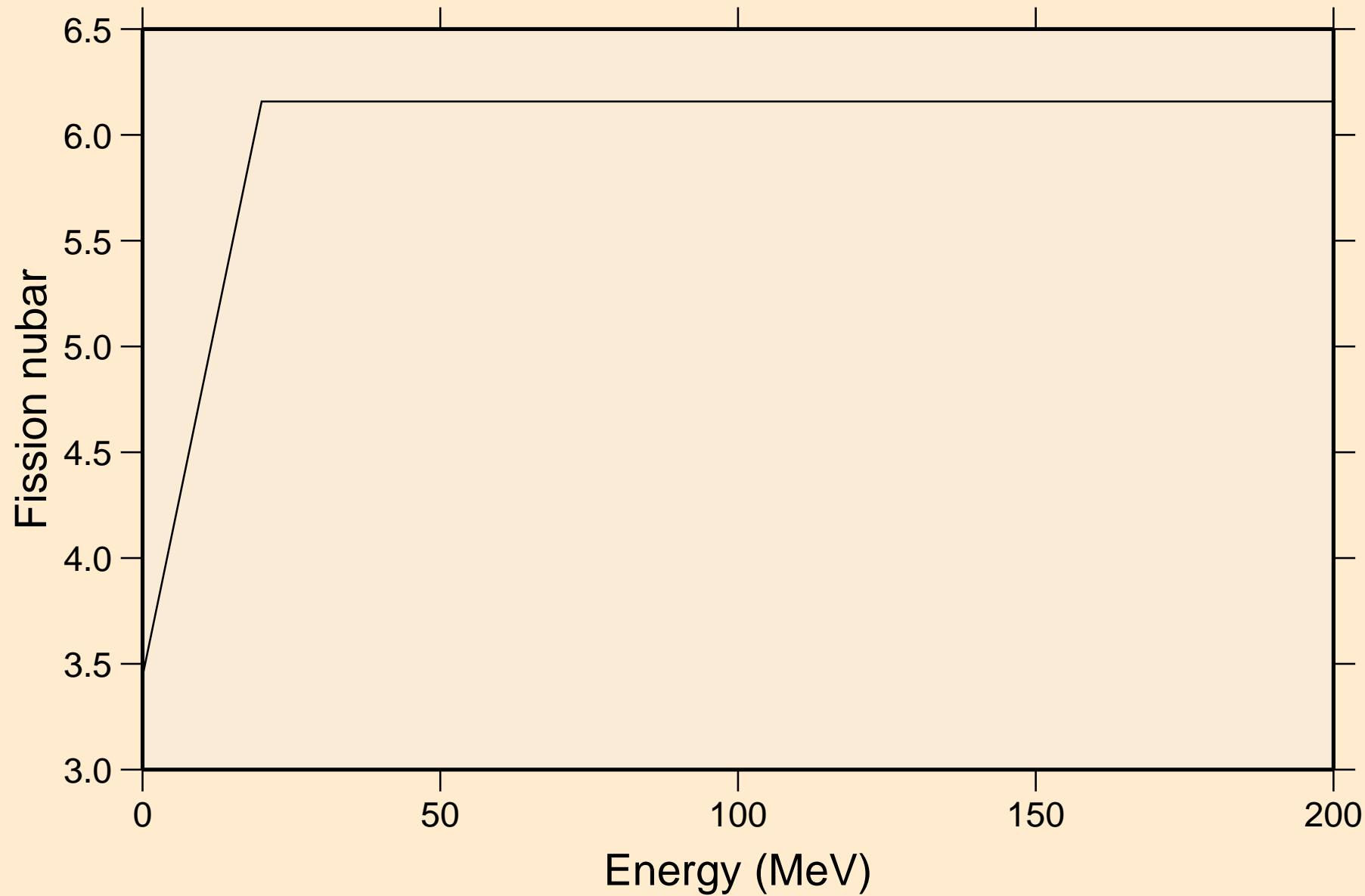


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angular distribution for (n,n\*23)

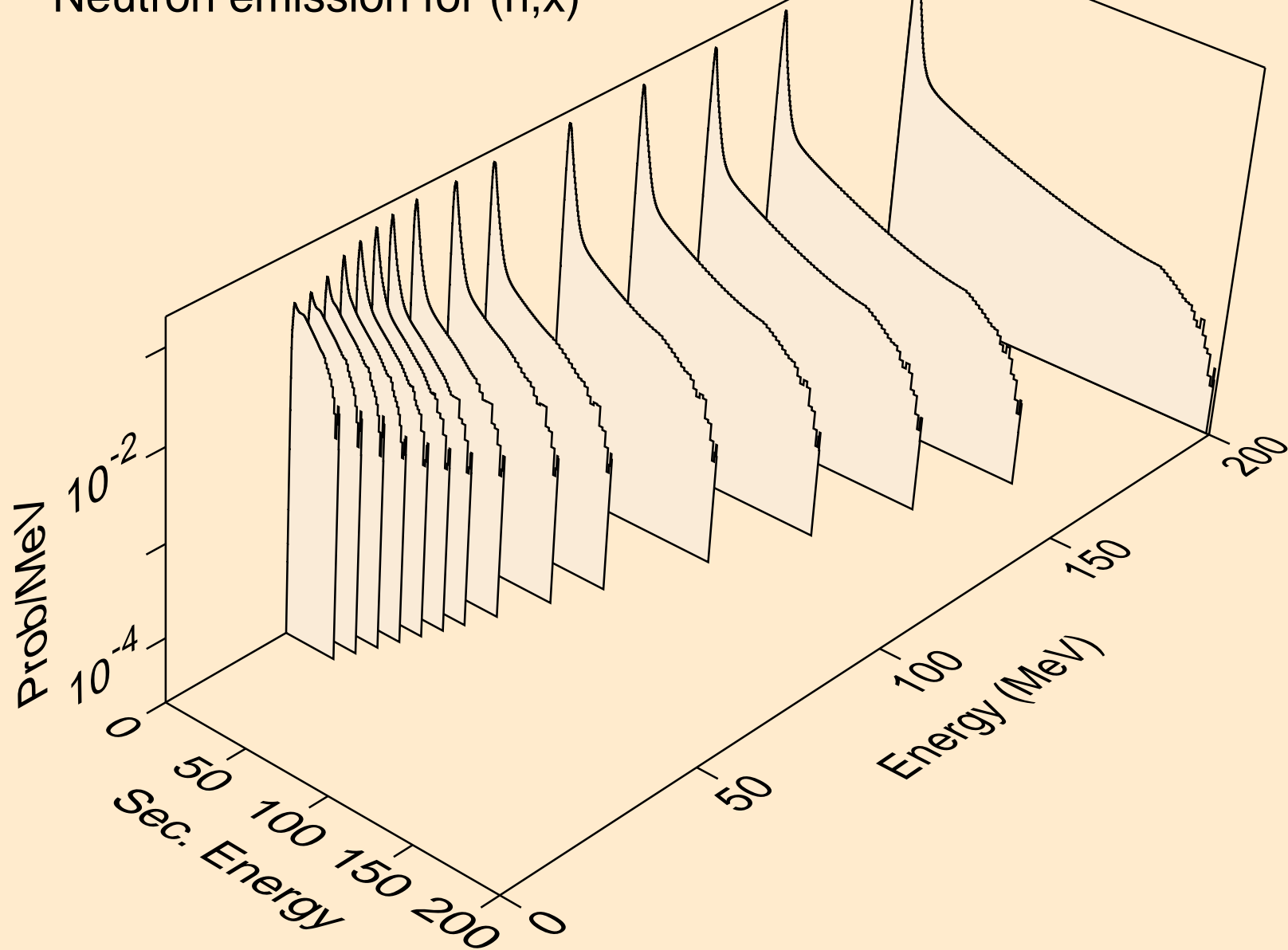


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

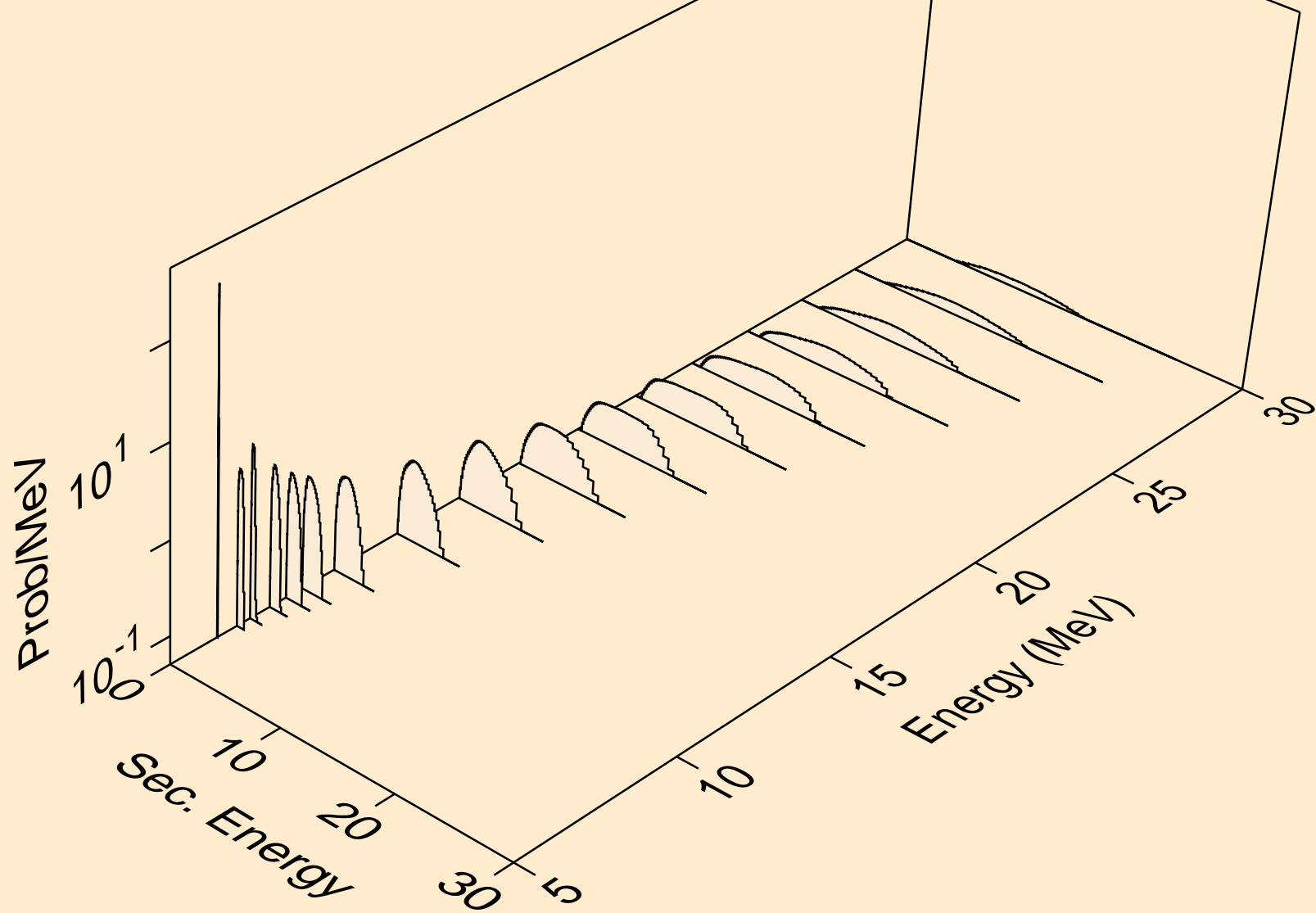
## Total fission nubar



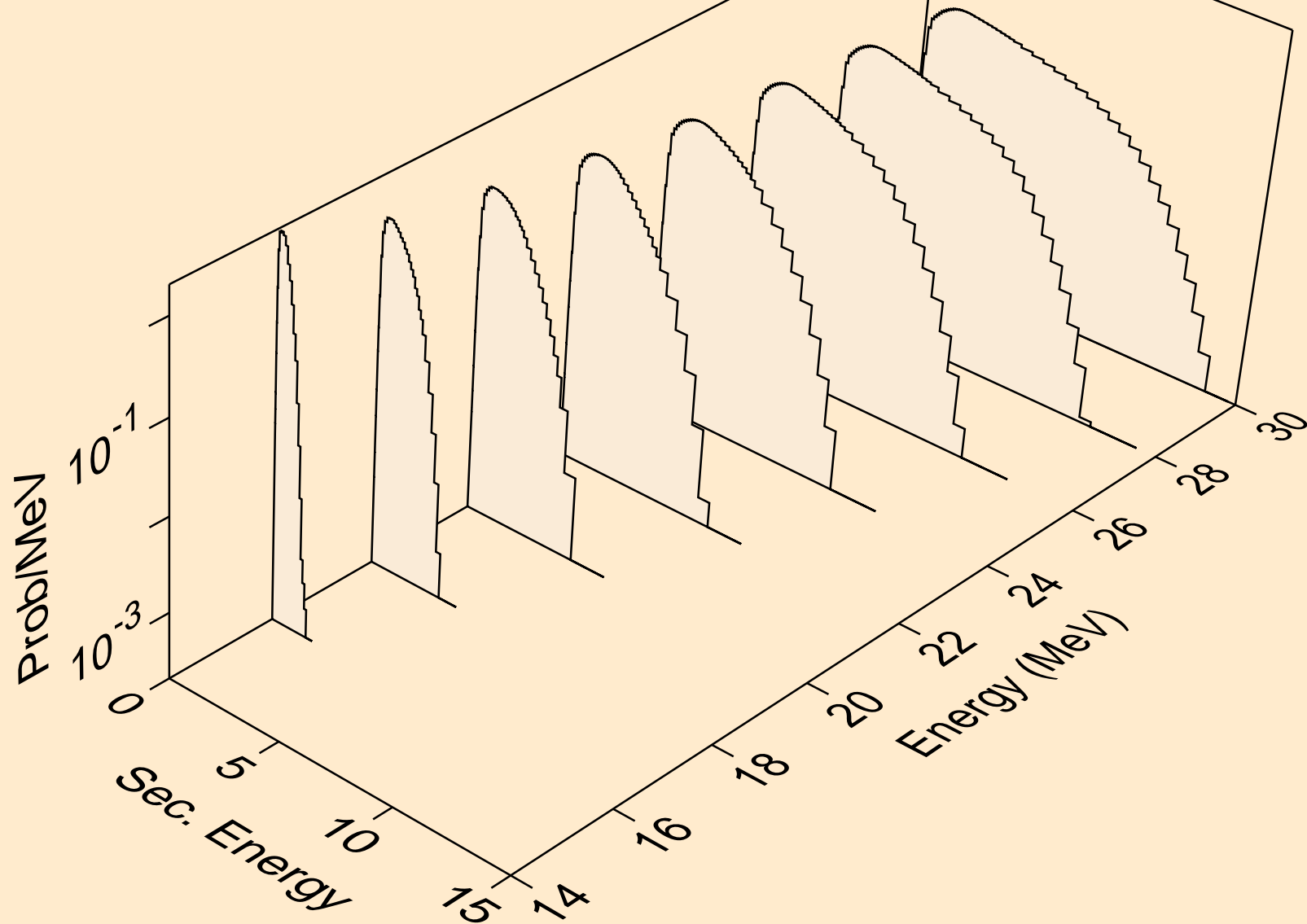
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



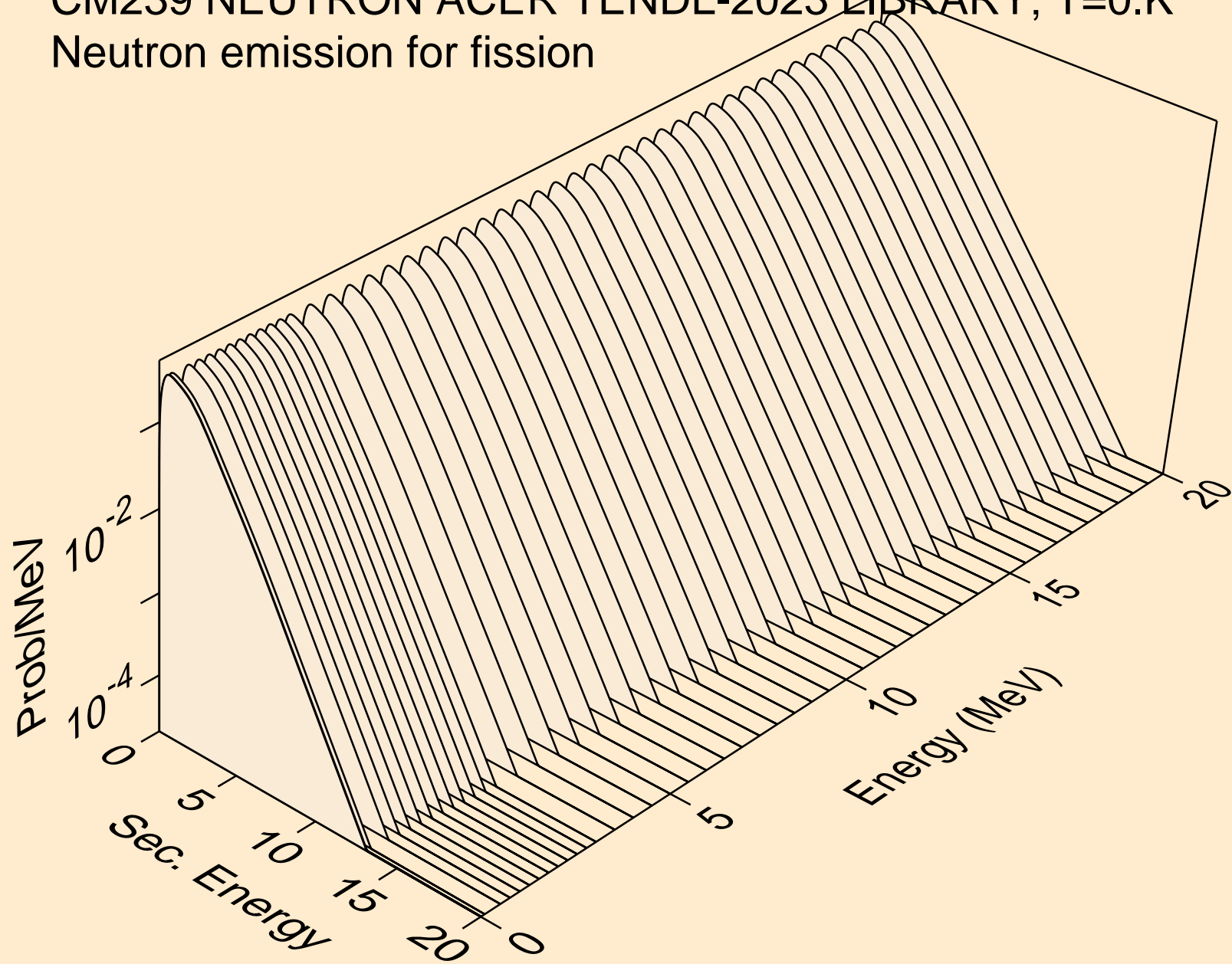
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



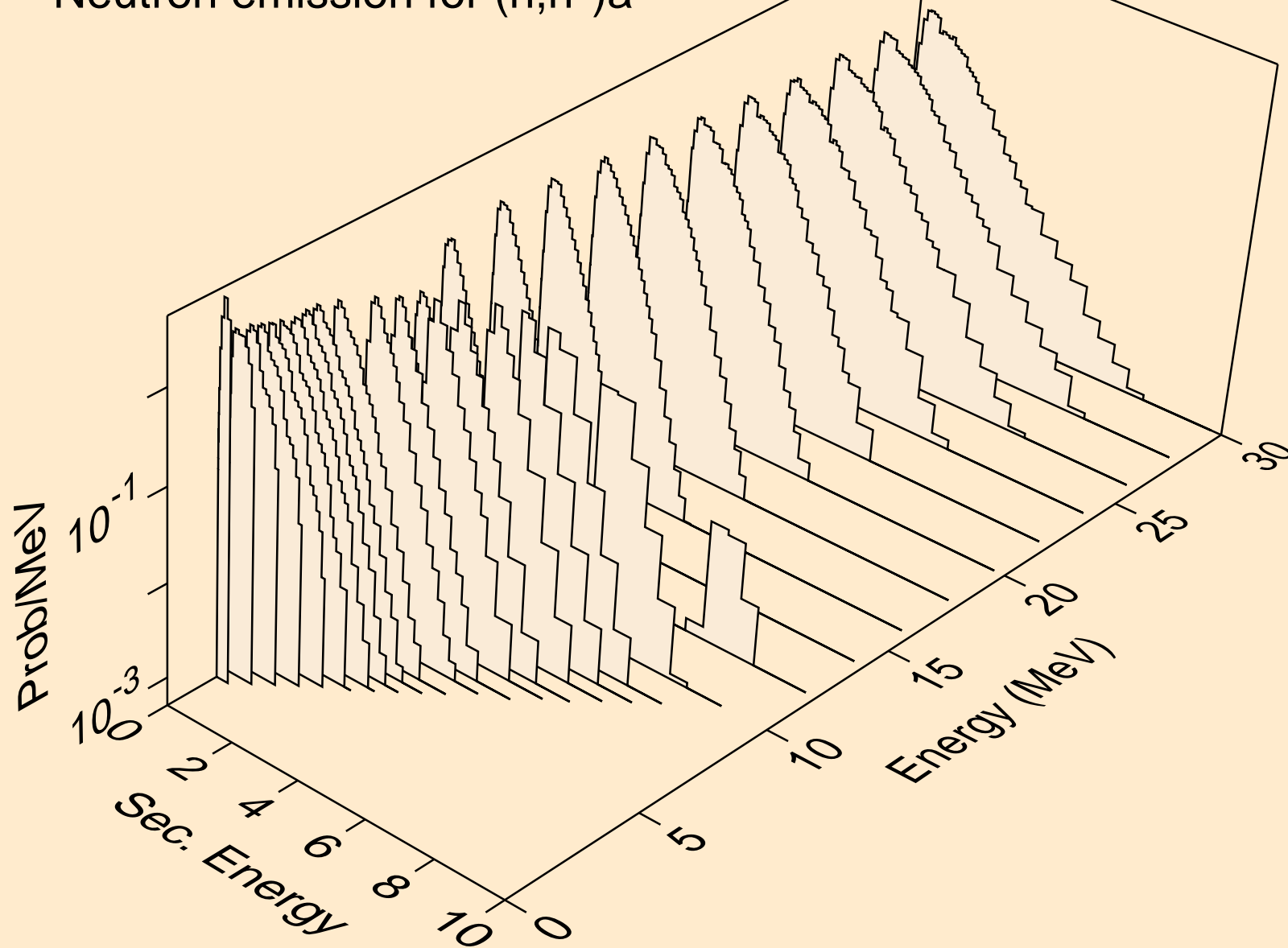
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



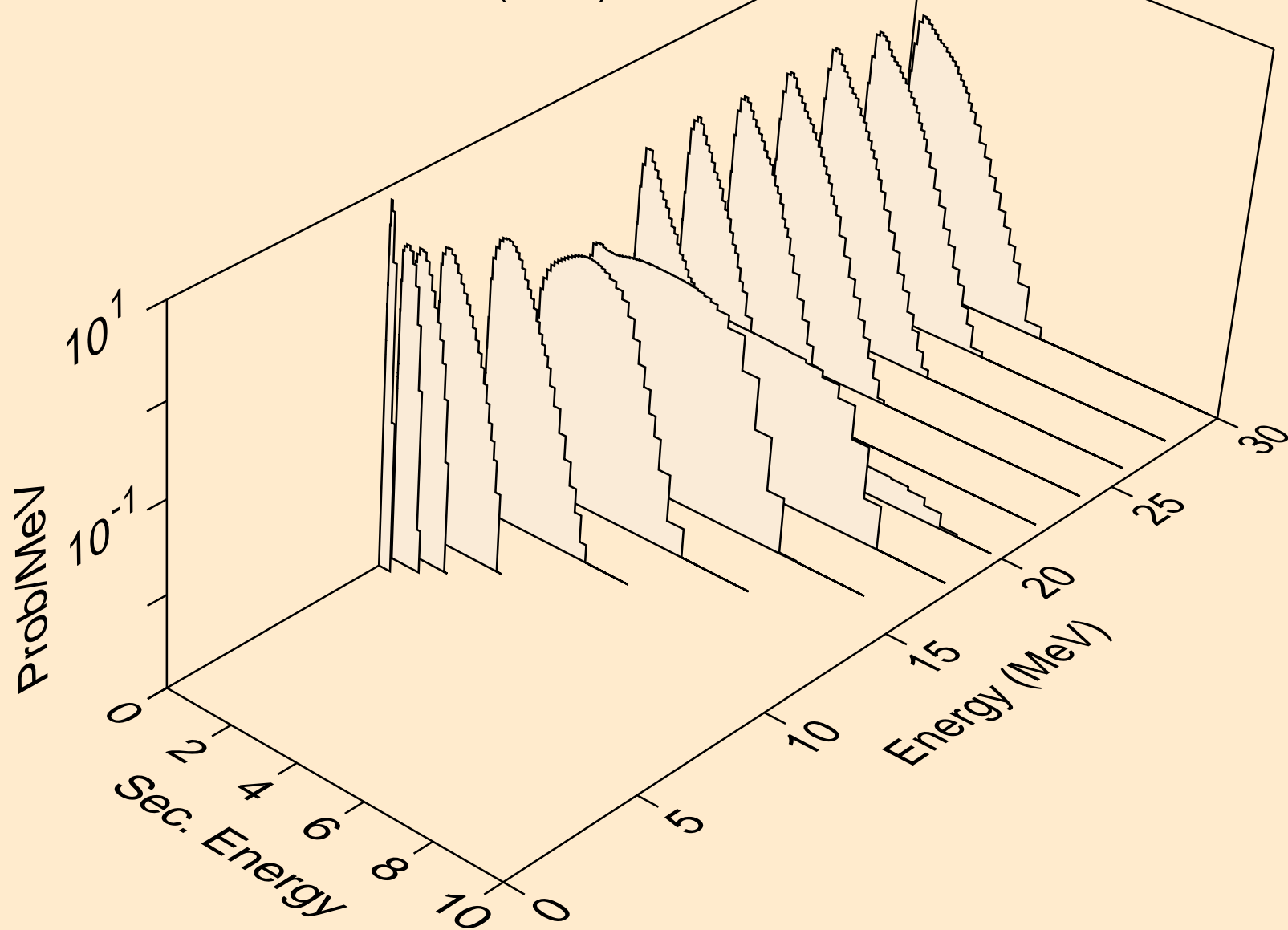
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for fission



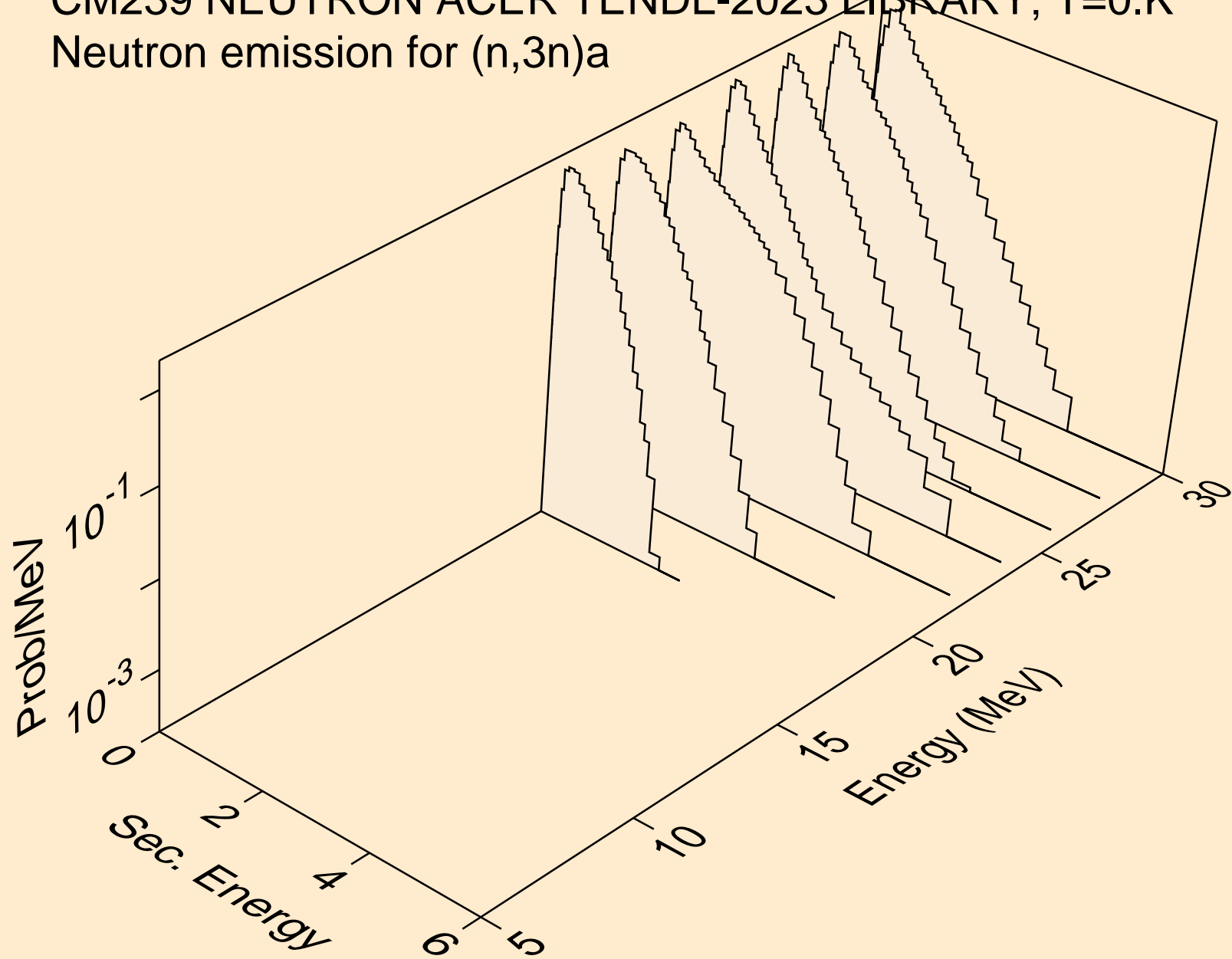
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



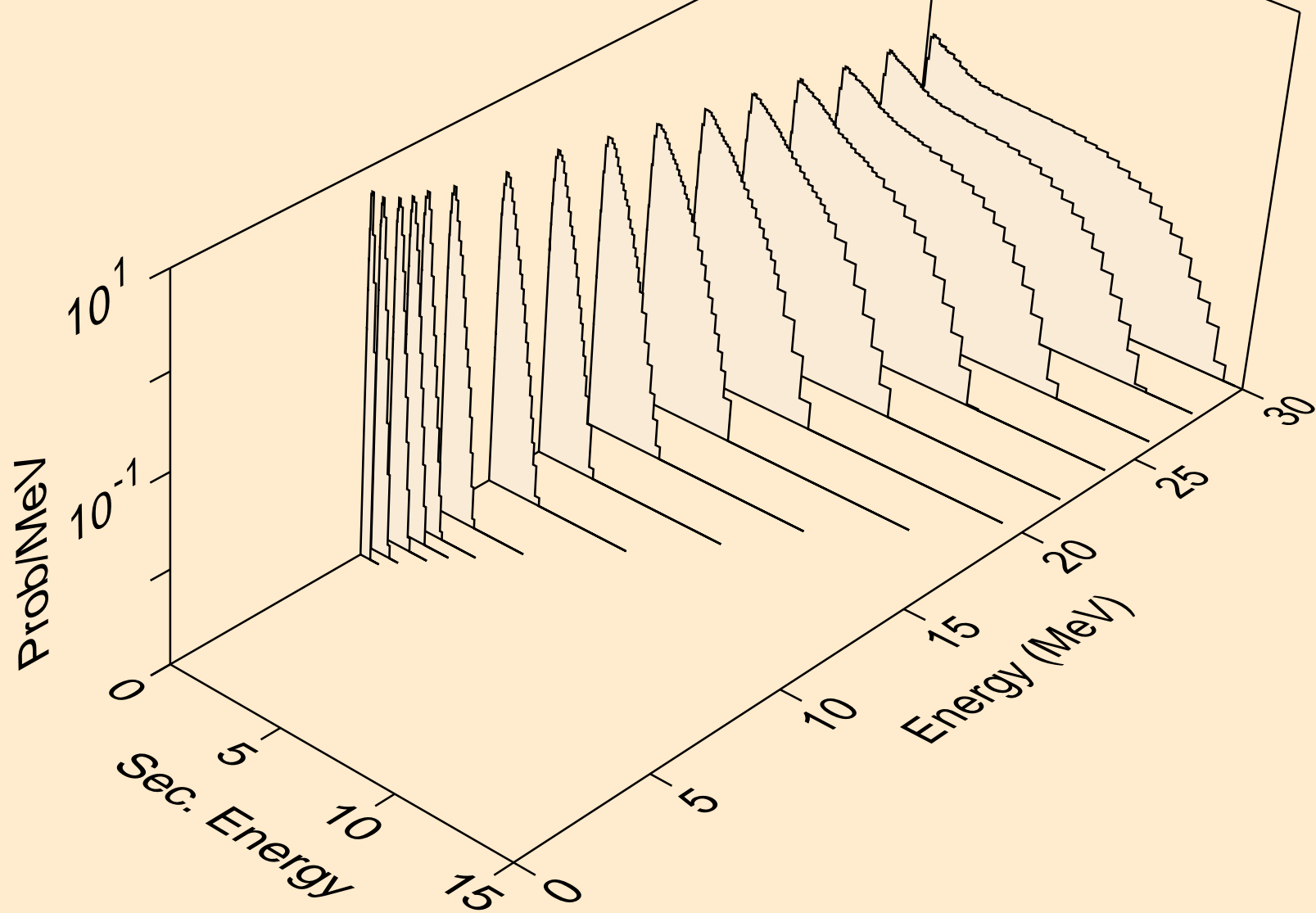
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Neutron emission for (n,2n)a



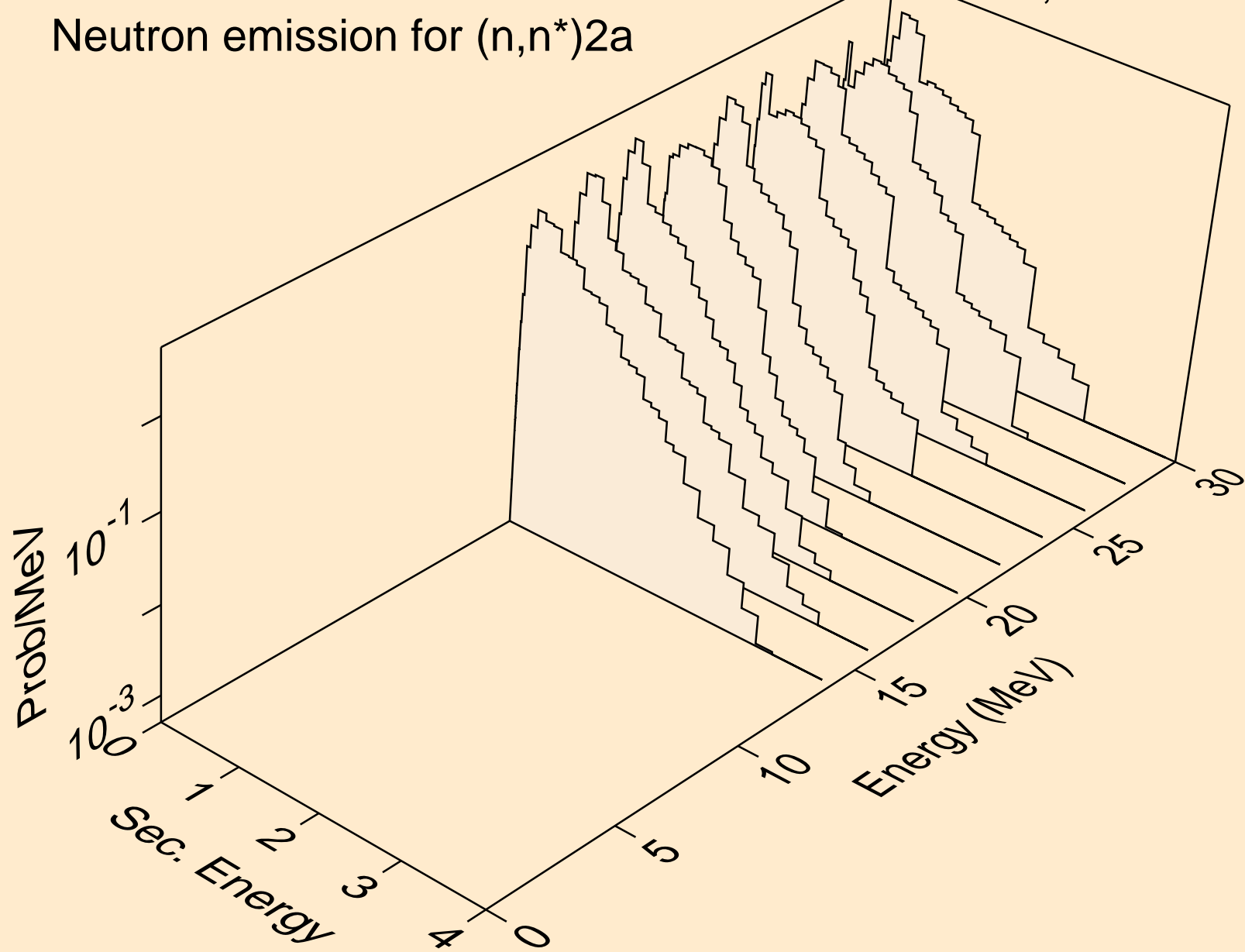
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Neutron emission for (n,3n)a



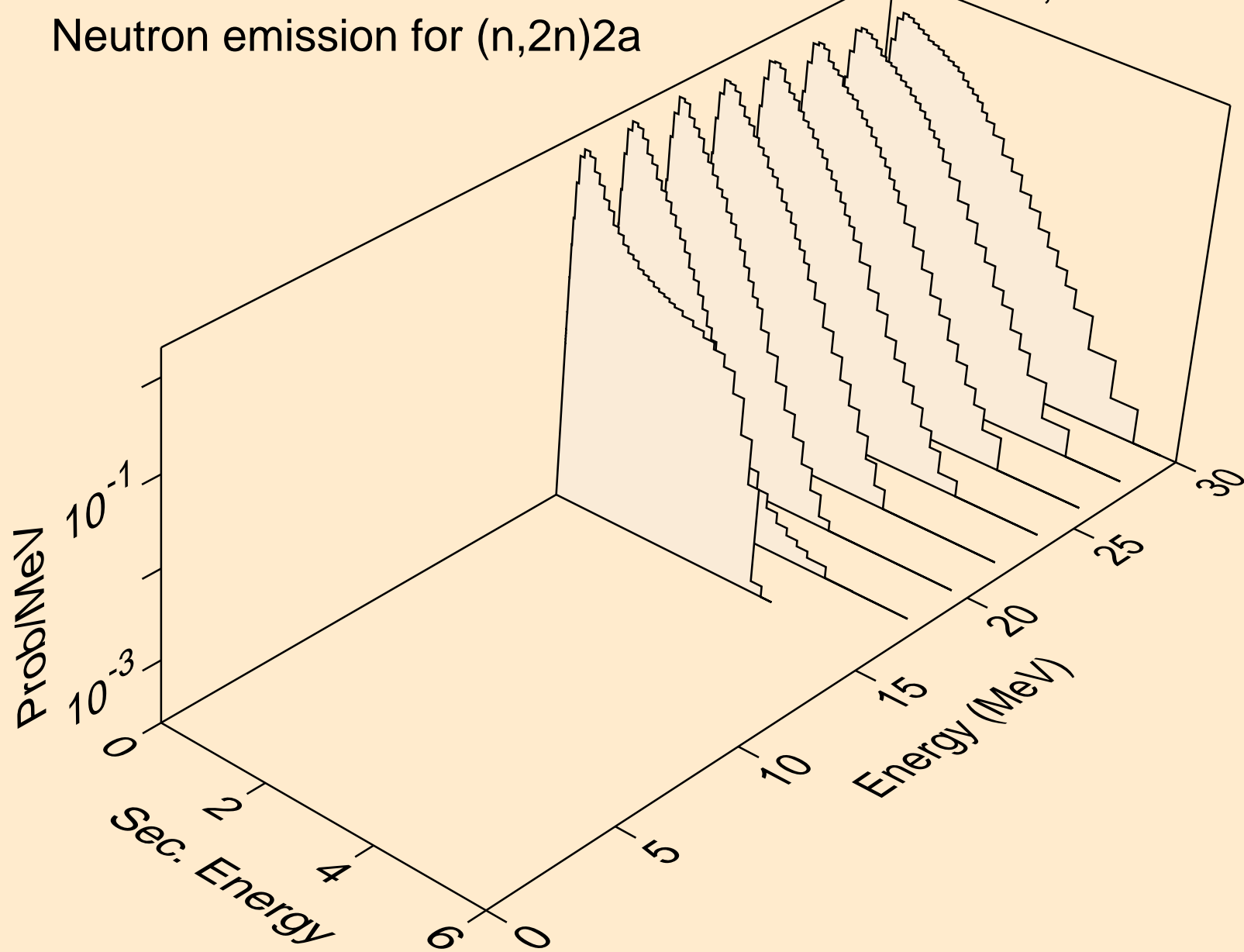
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



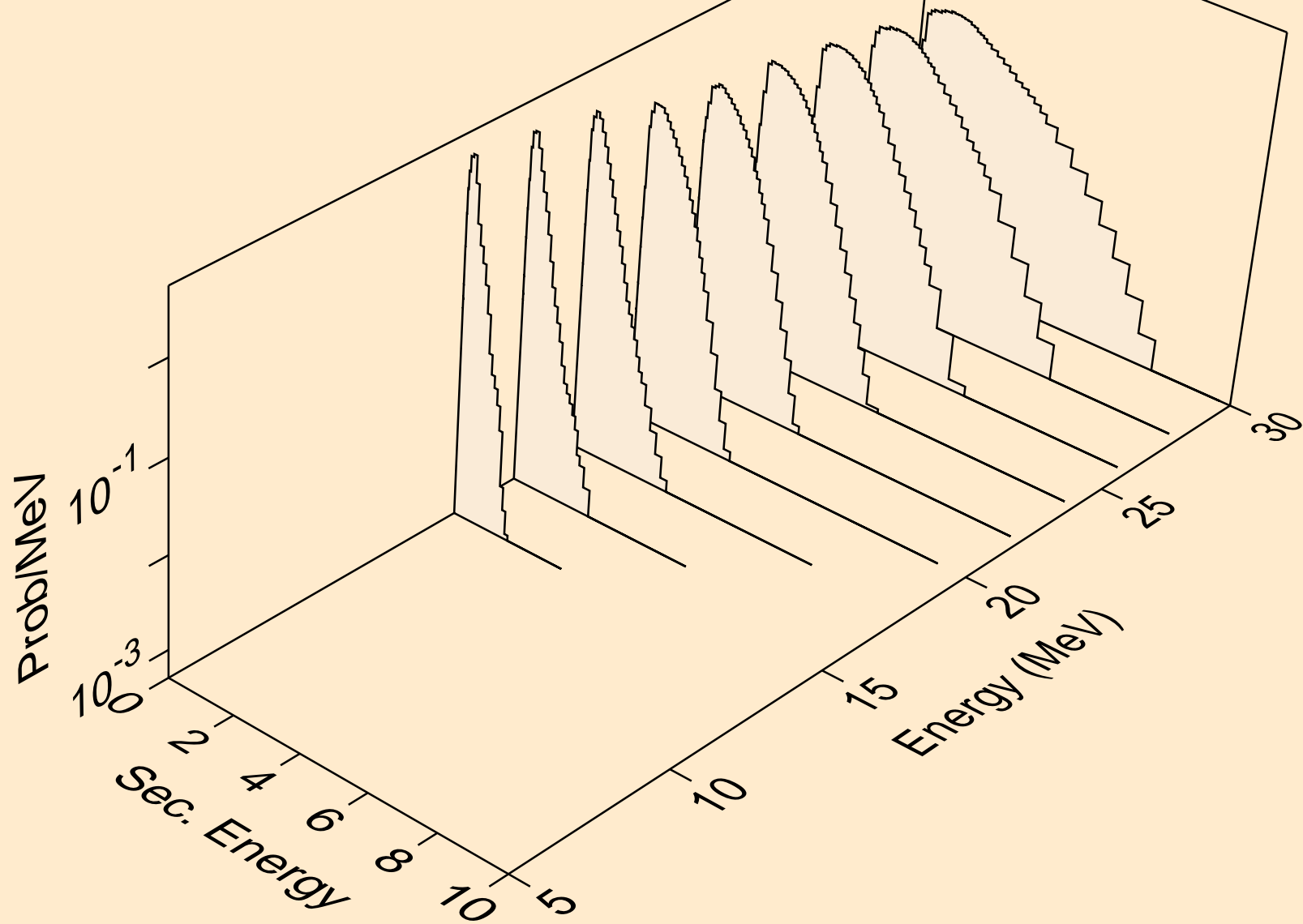
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



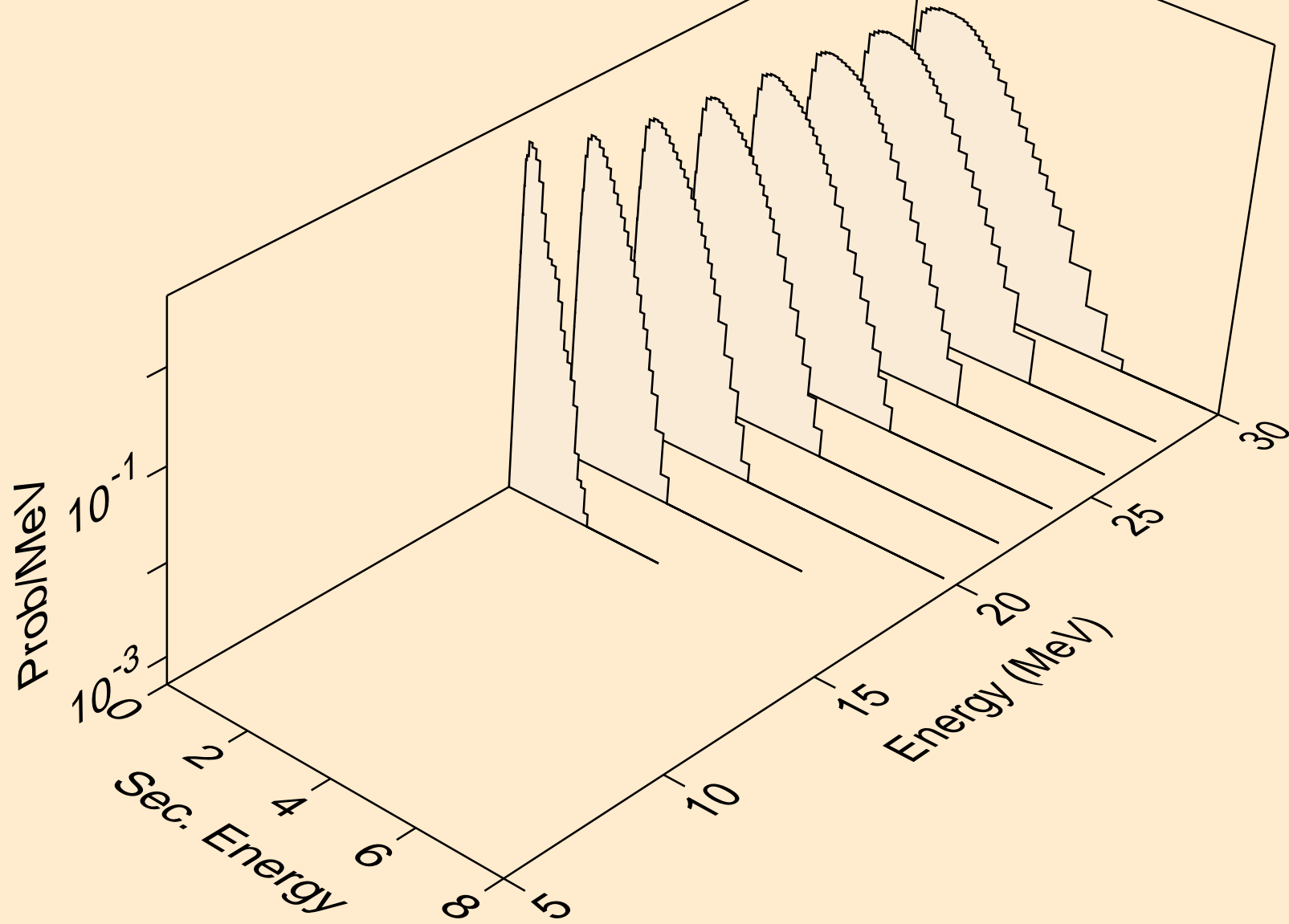
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



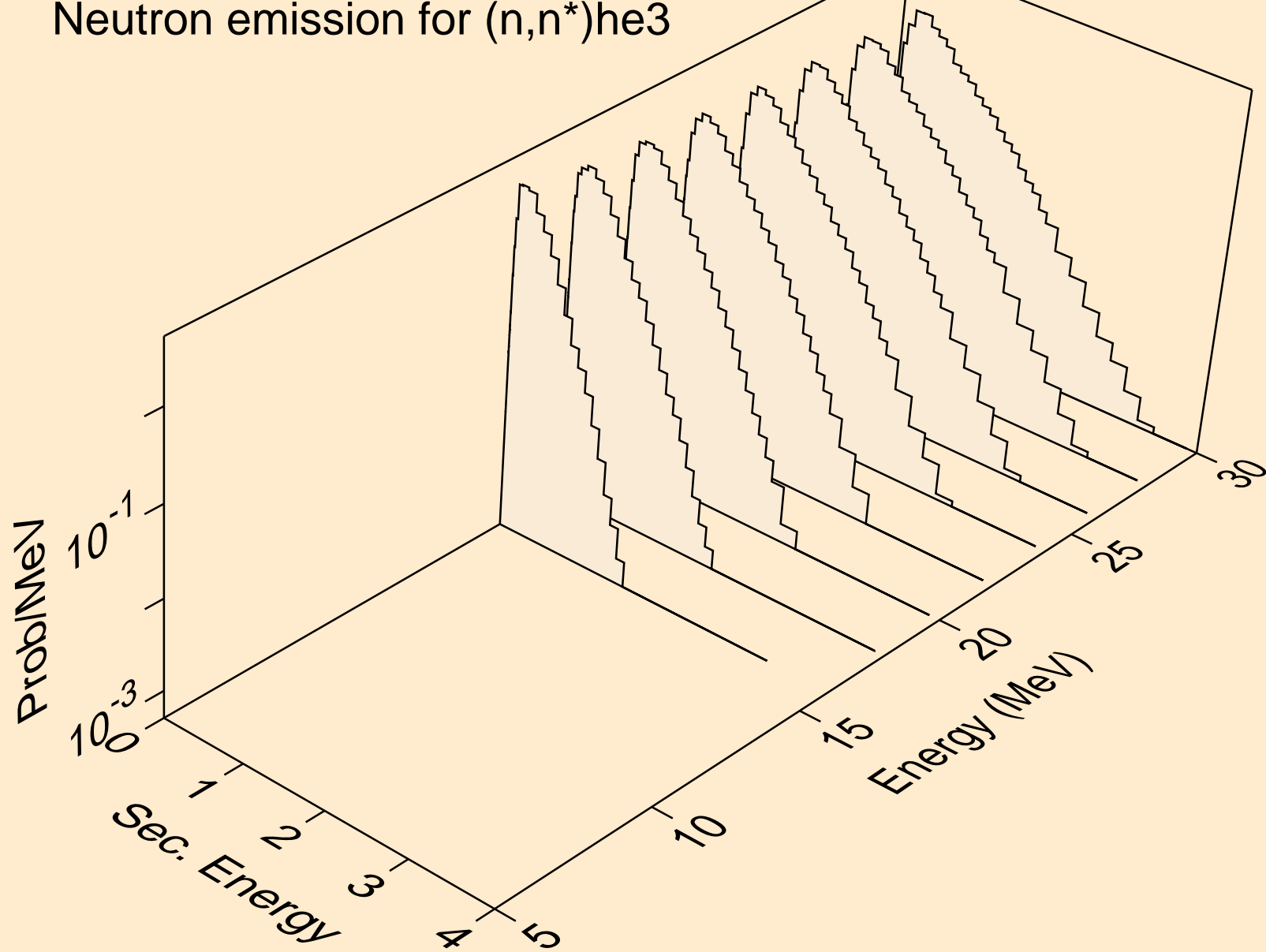
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



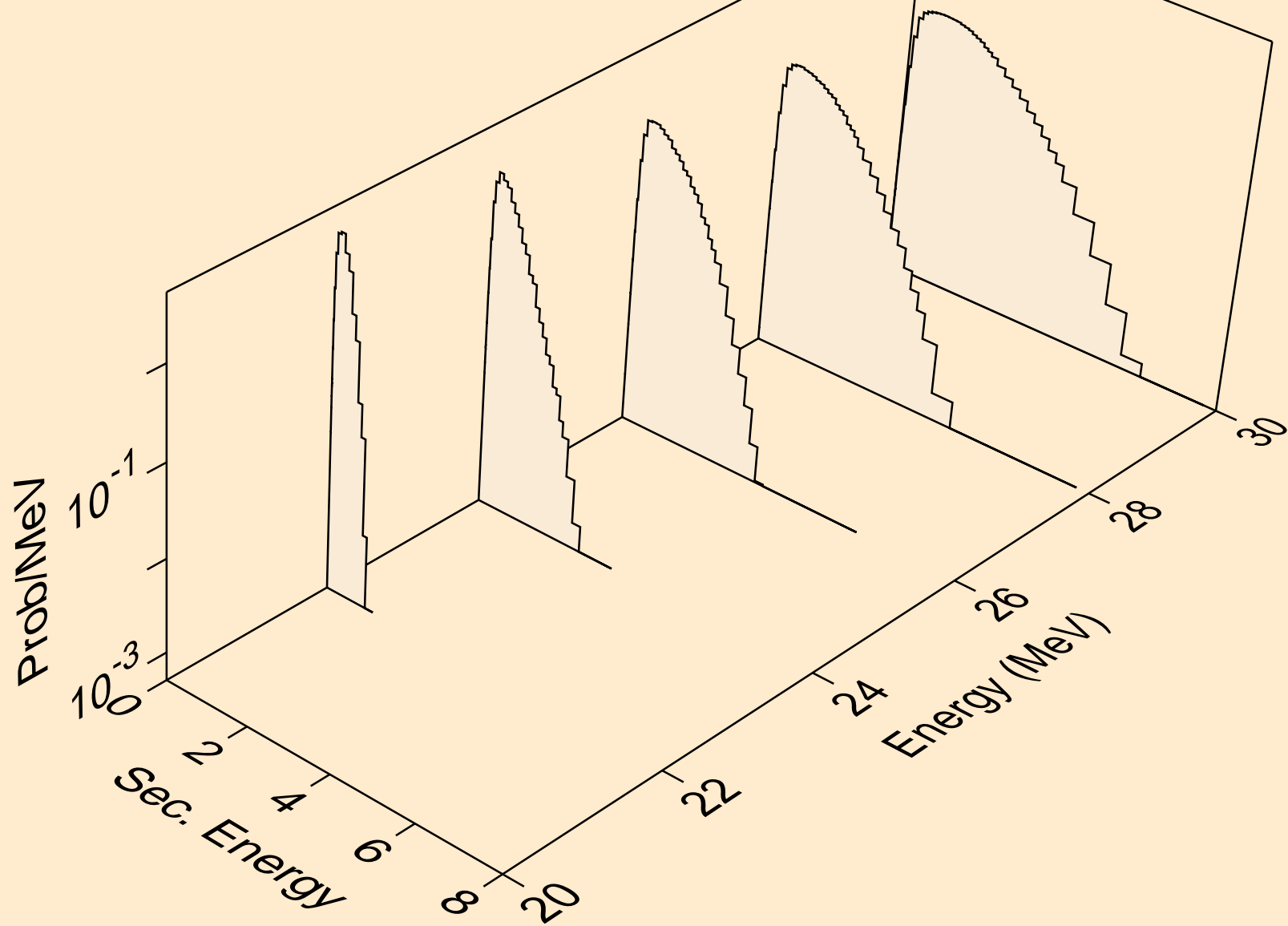
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



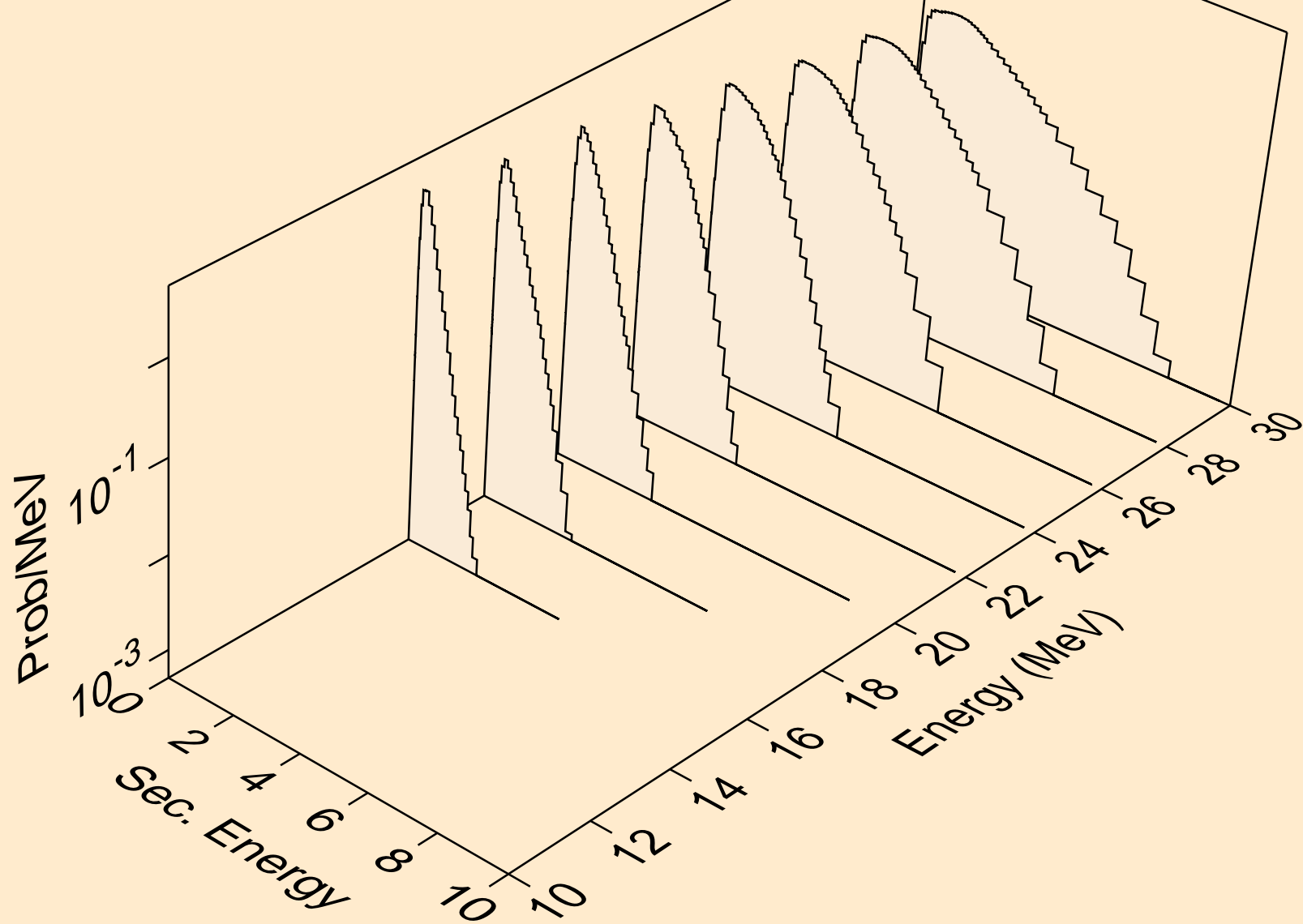
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



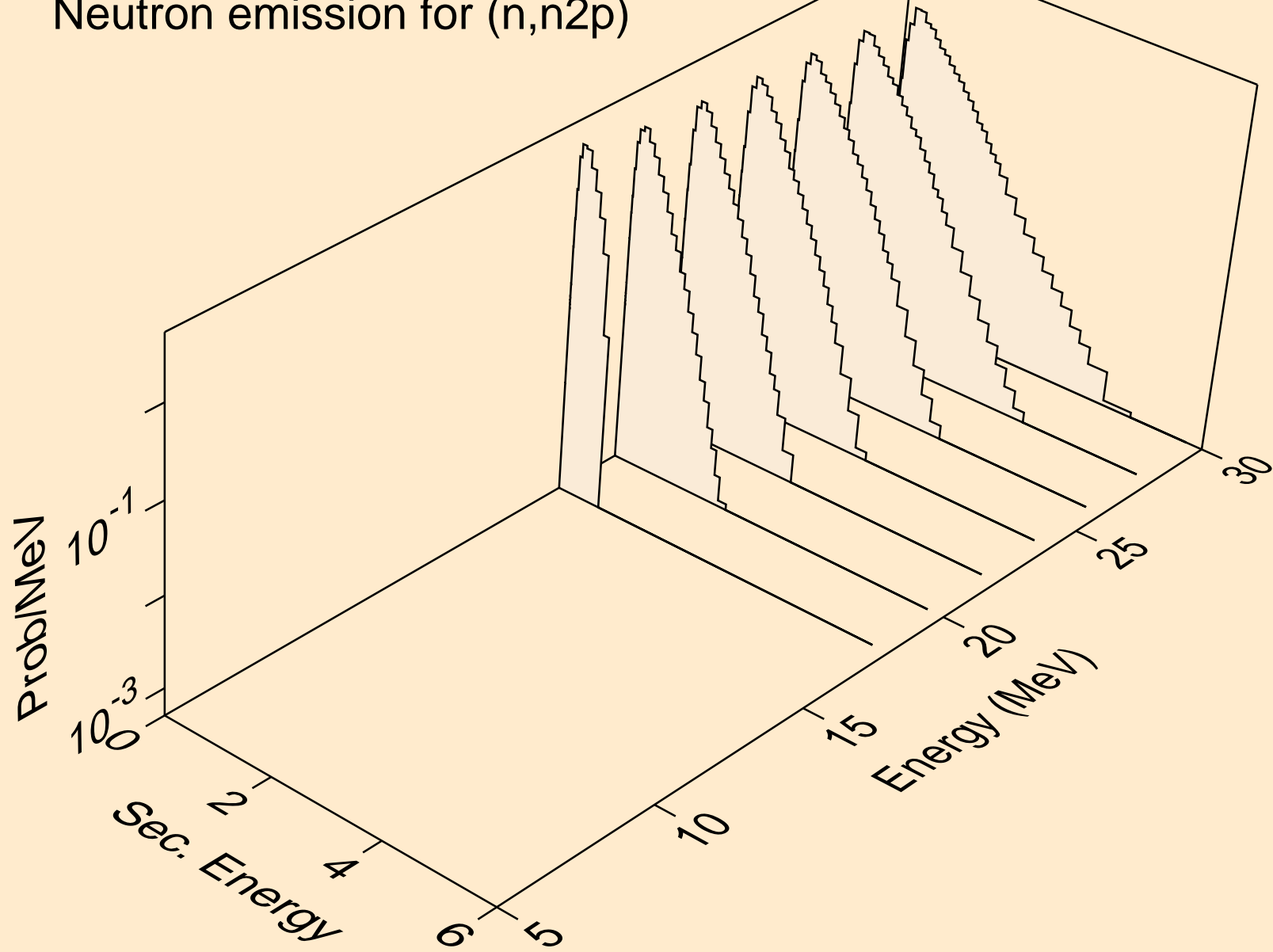
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



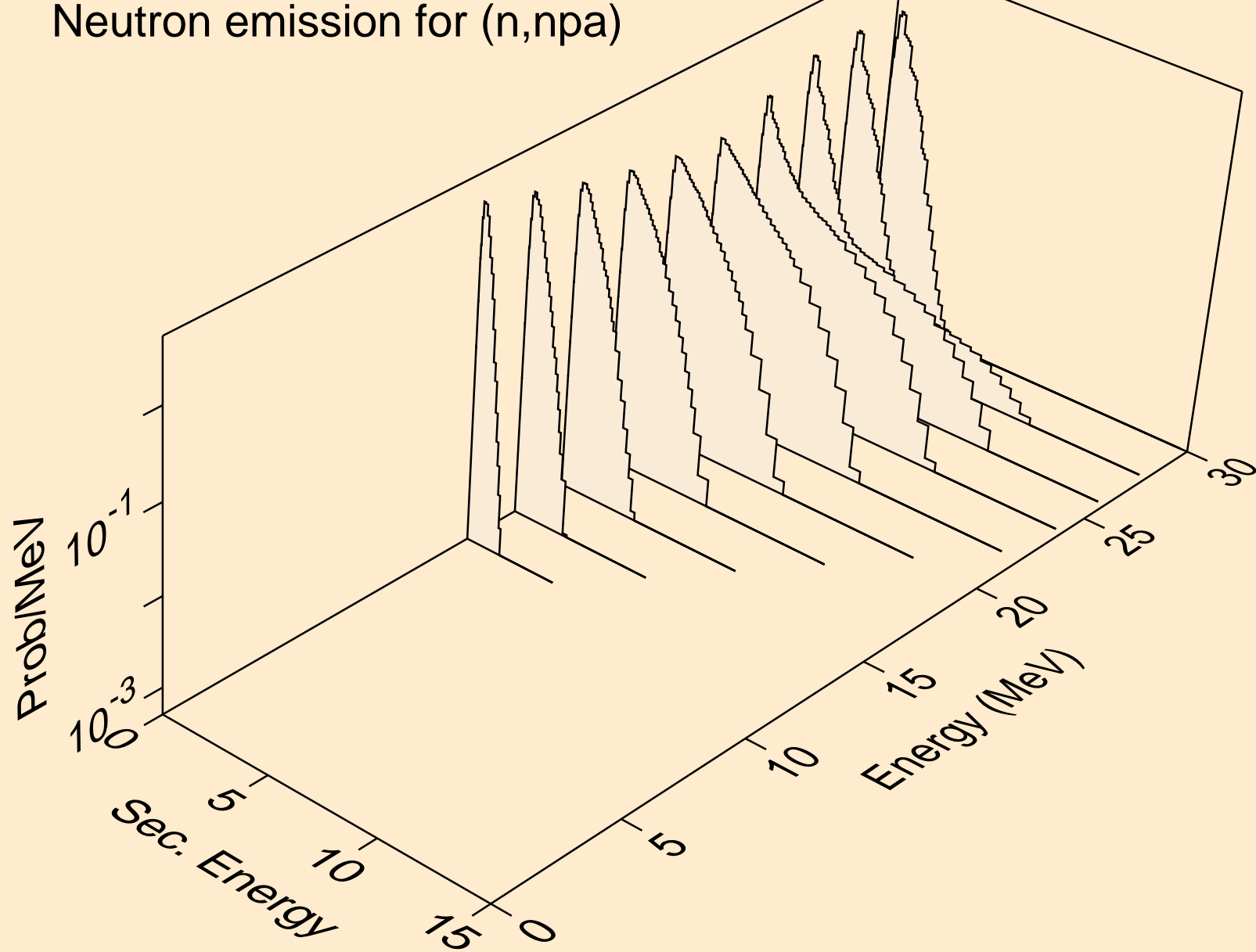
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



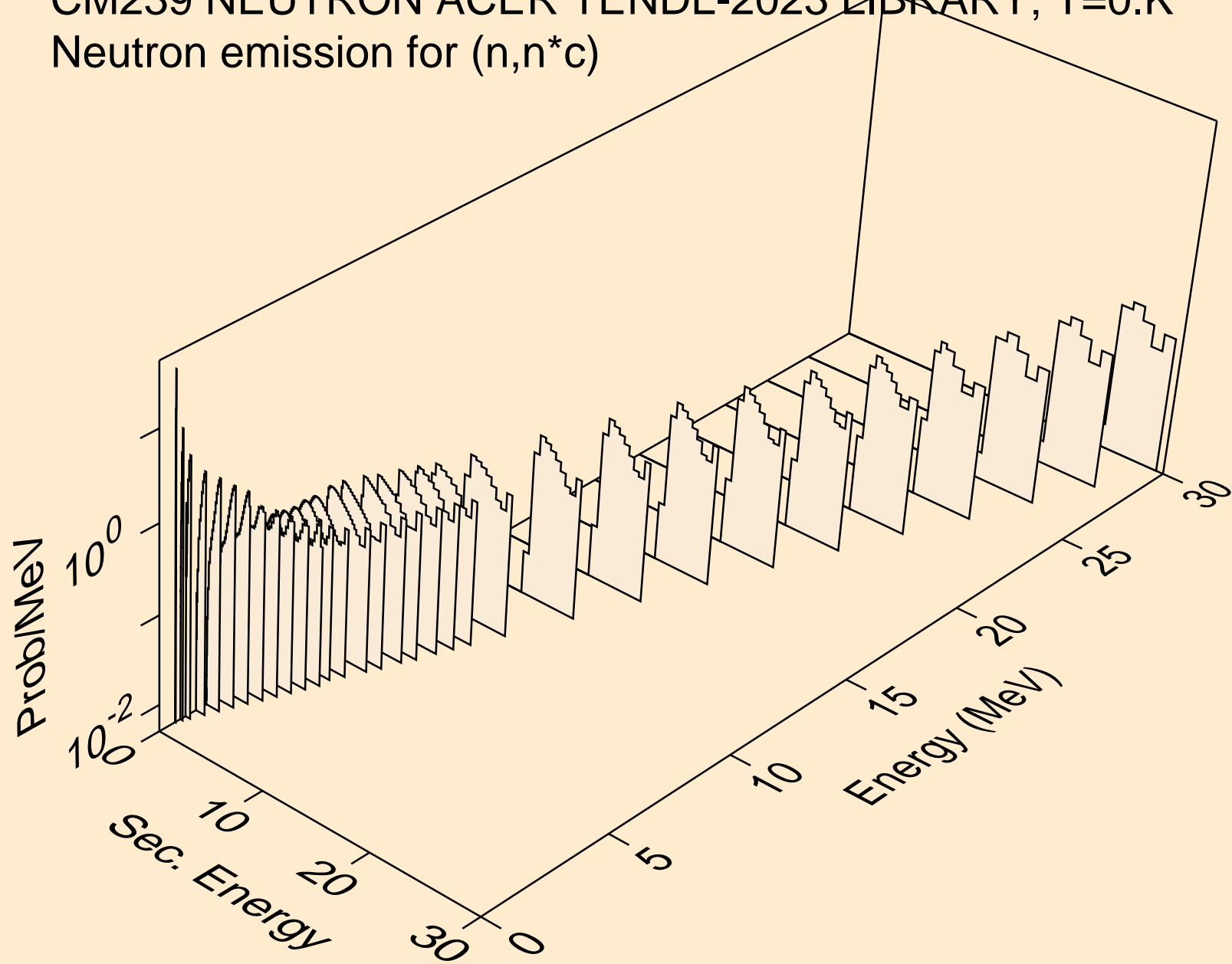
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

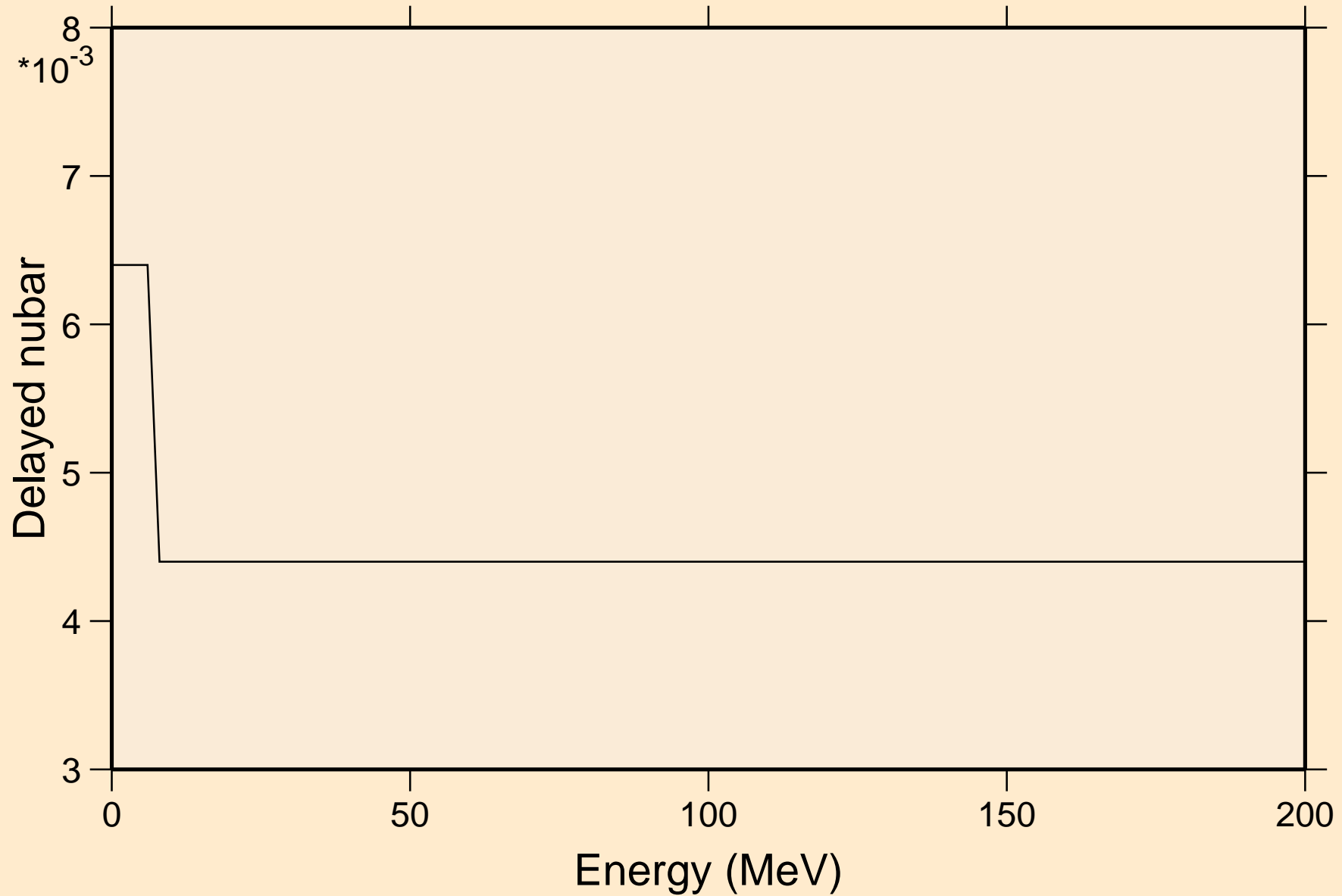


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



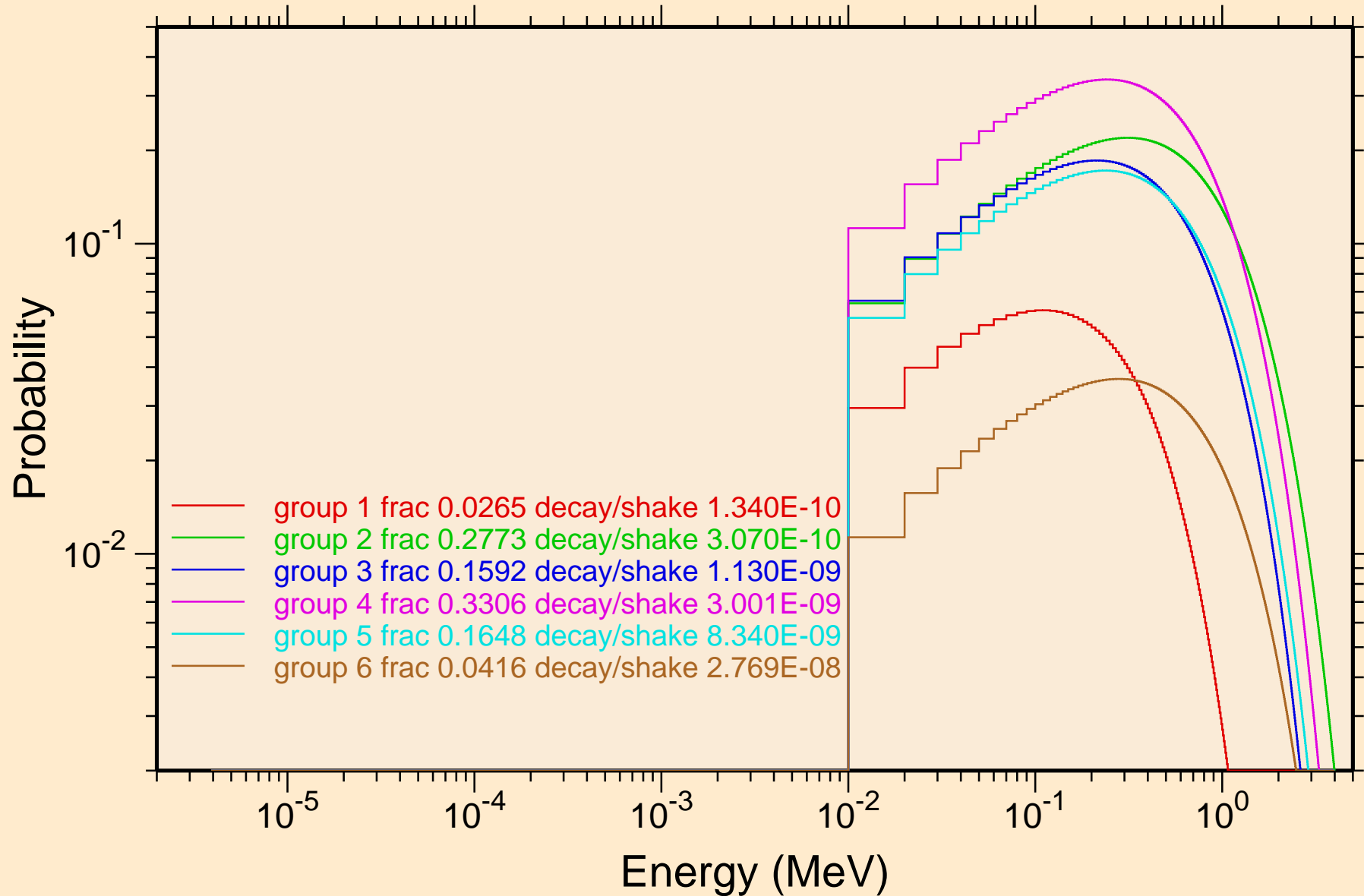
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## Delayed nubar

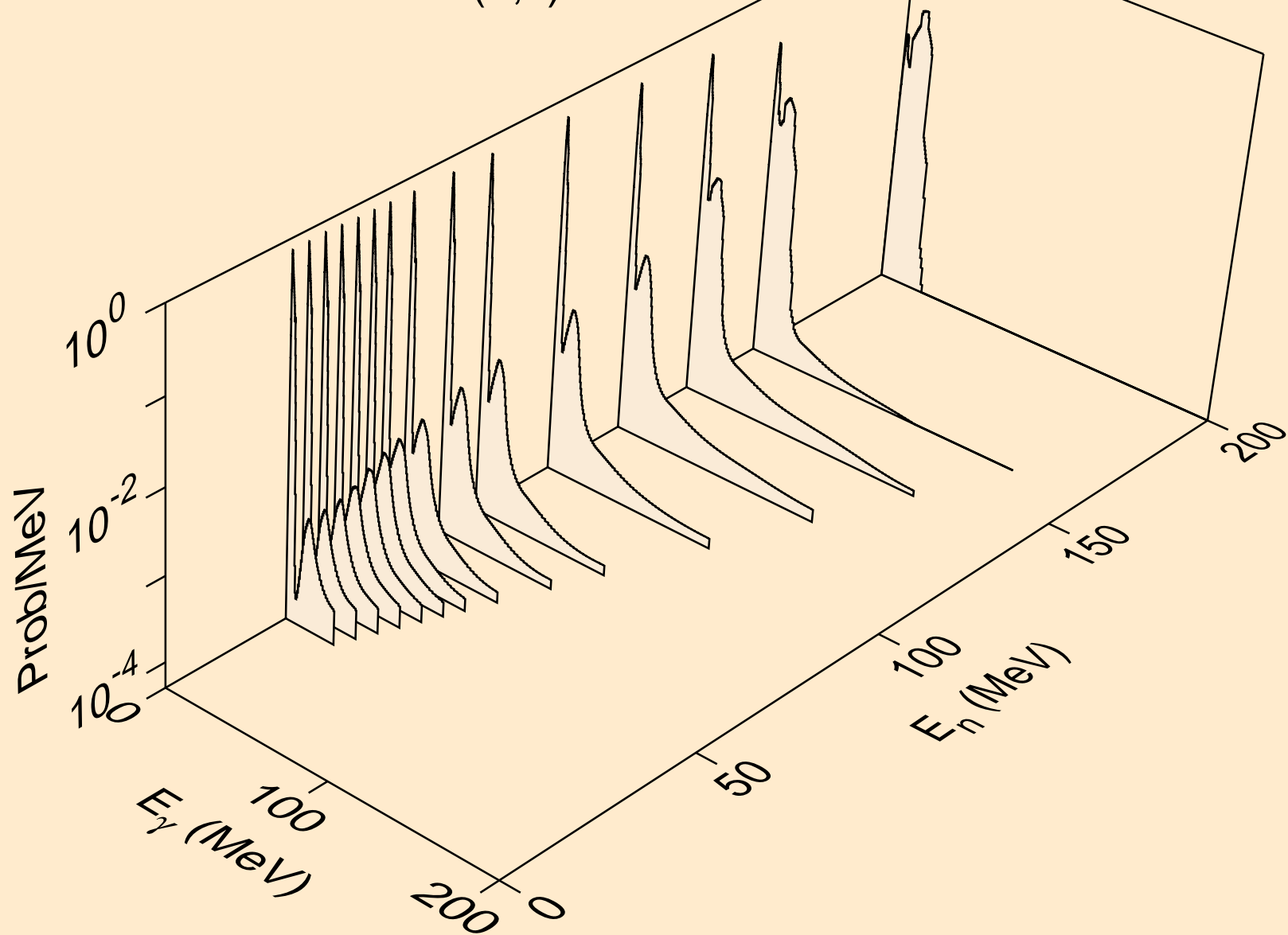


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

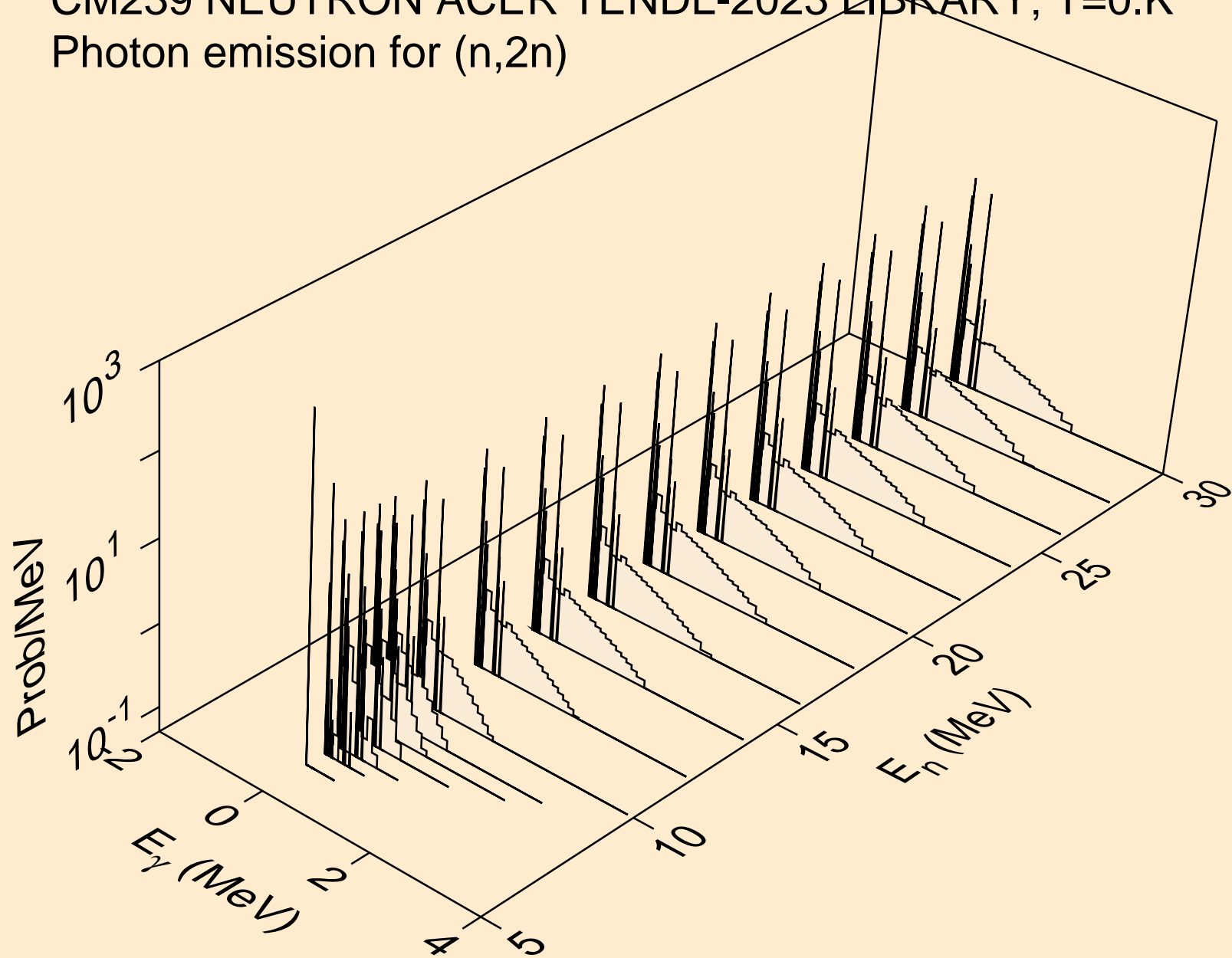
## Delayed neutron spectra



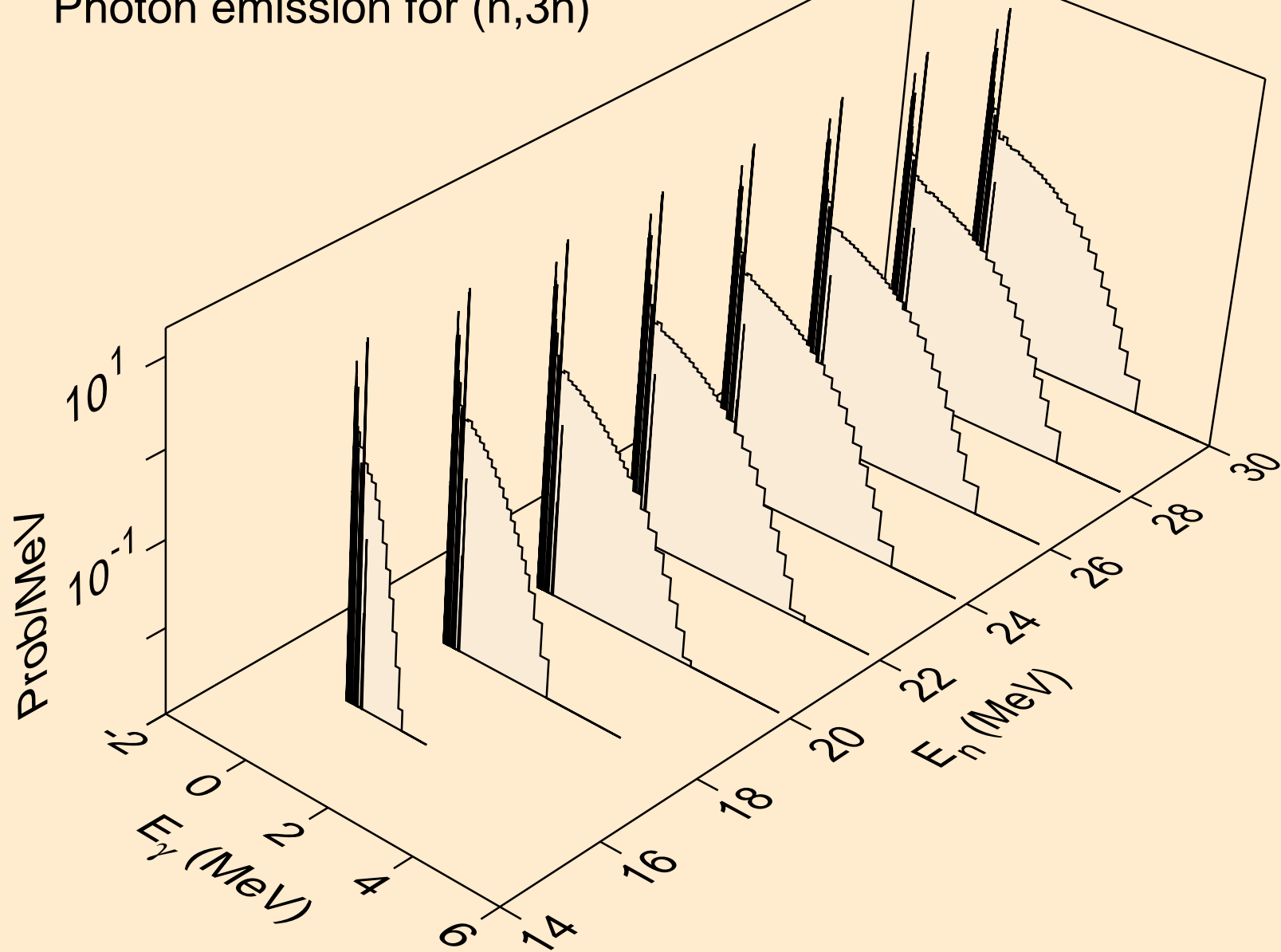
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



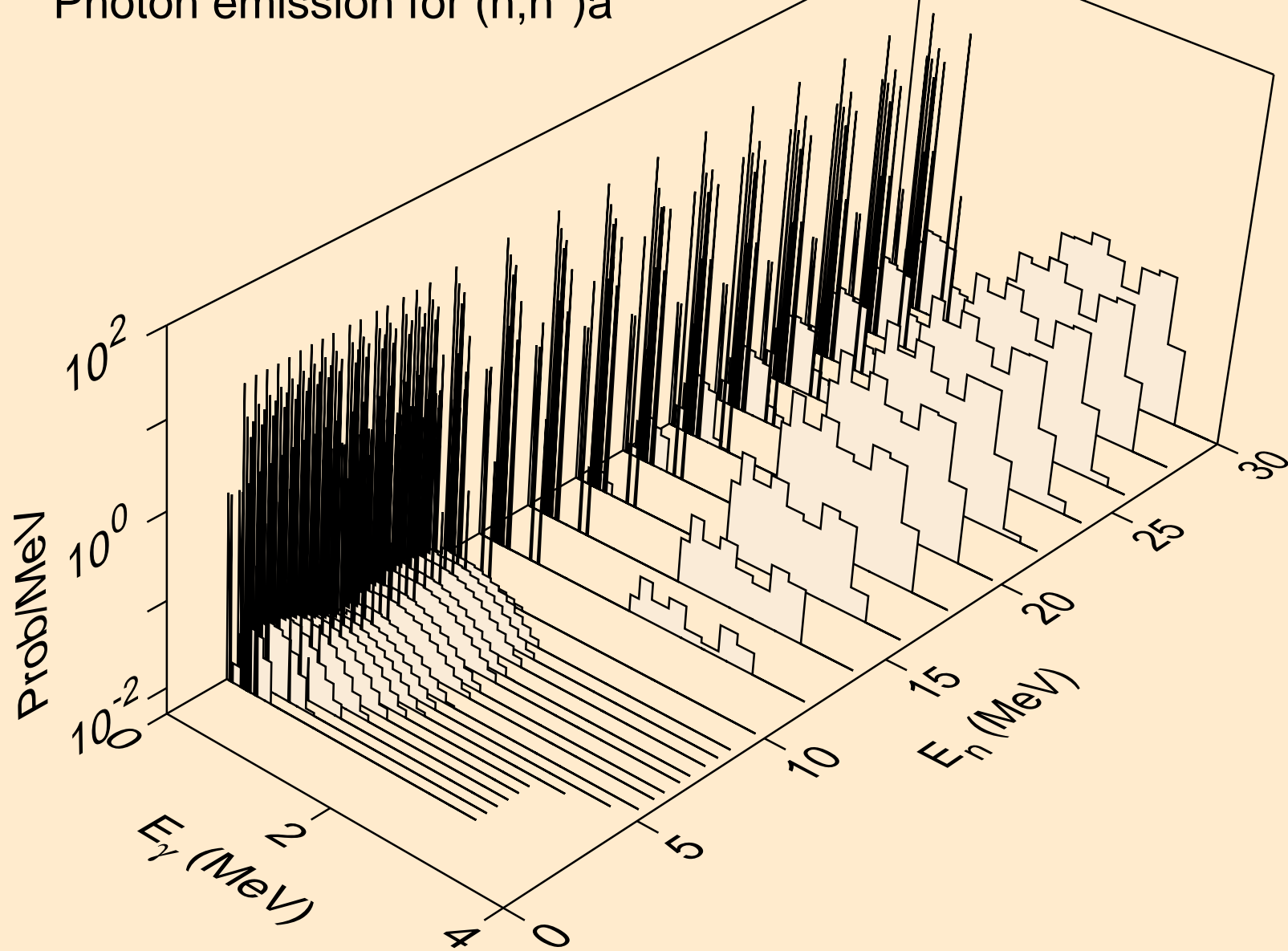
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



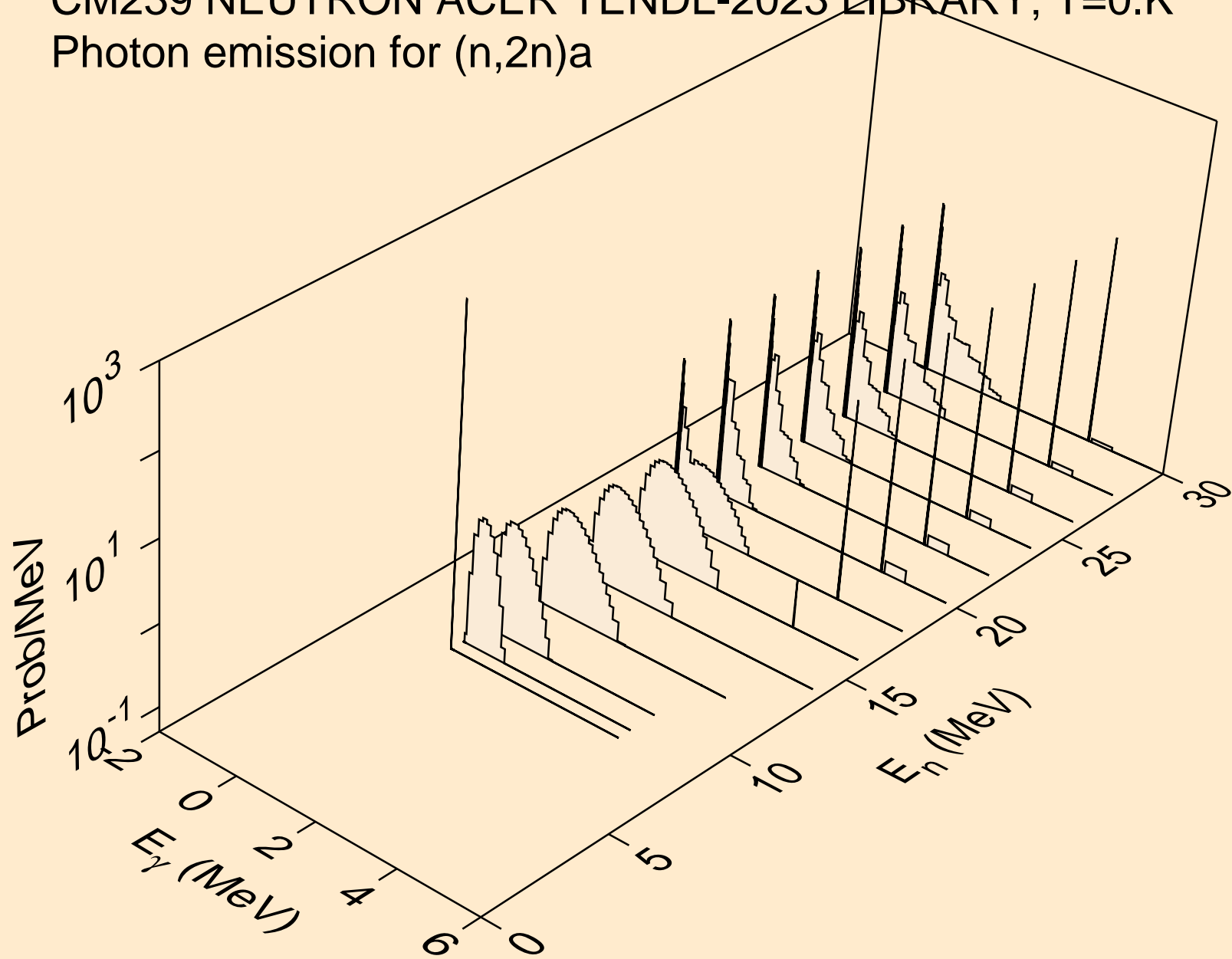
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



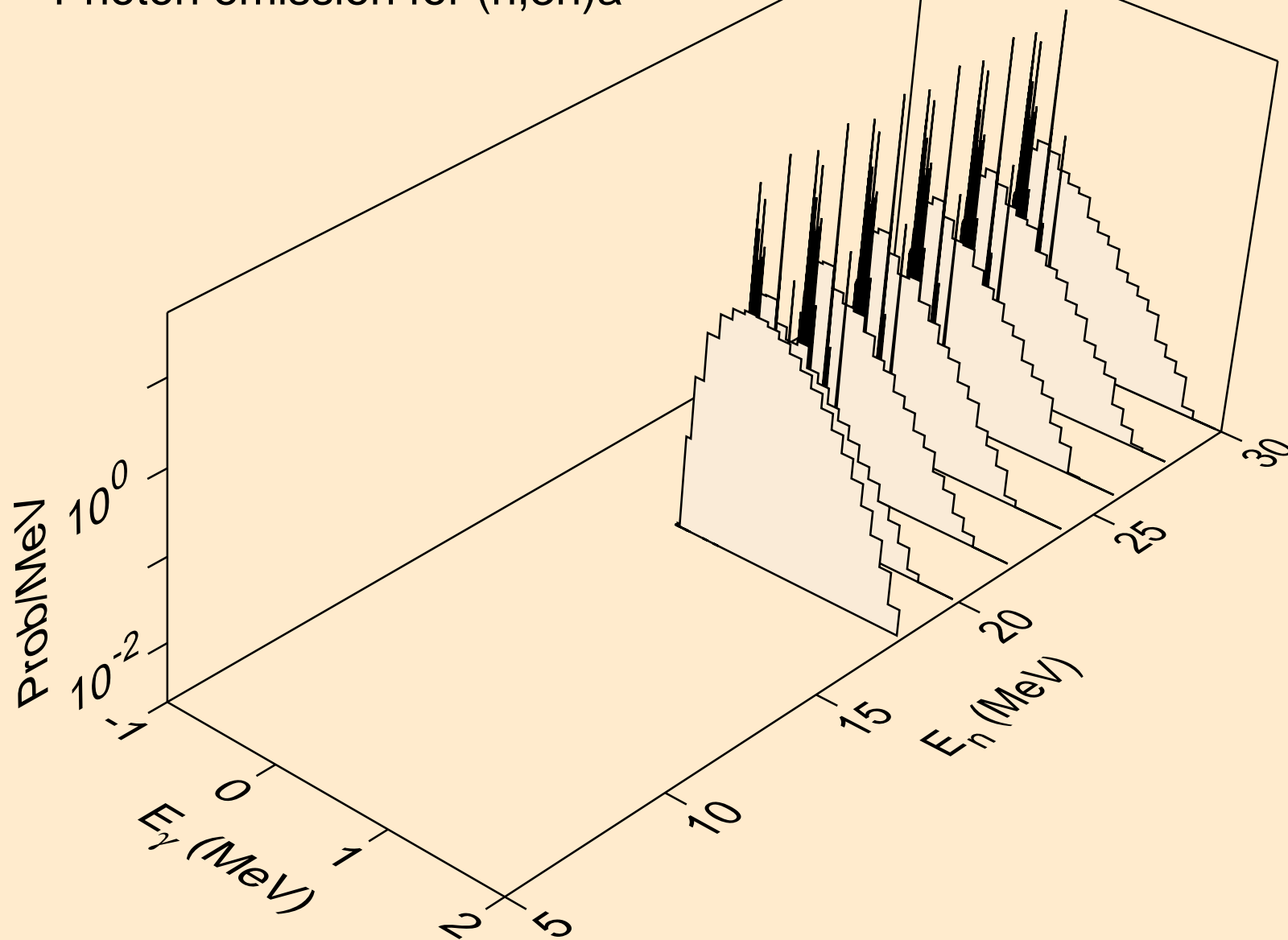
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



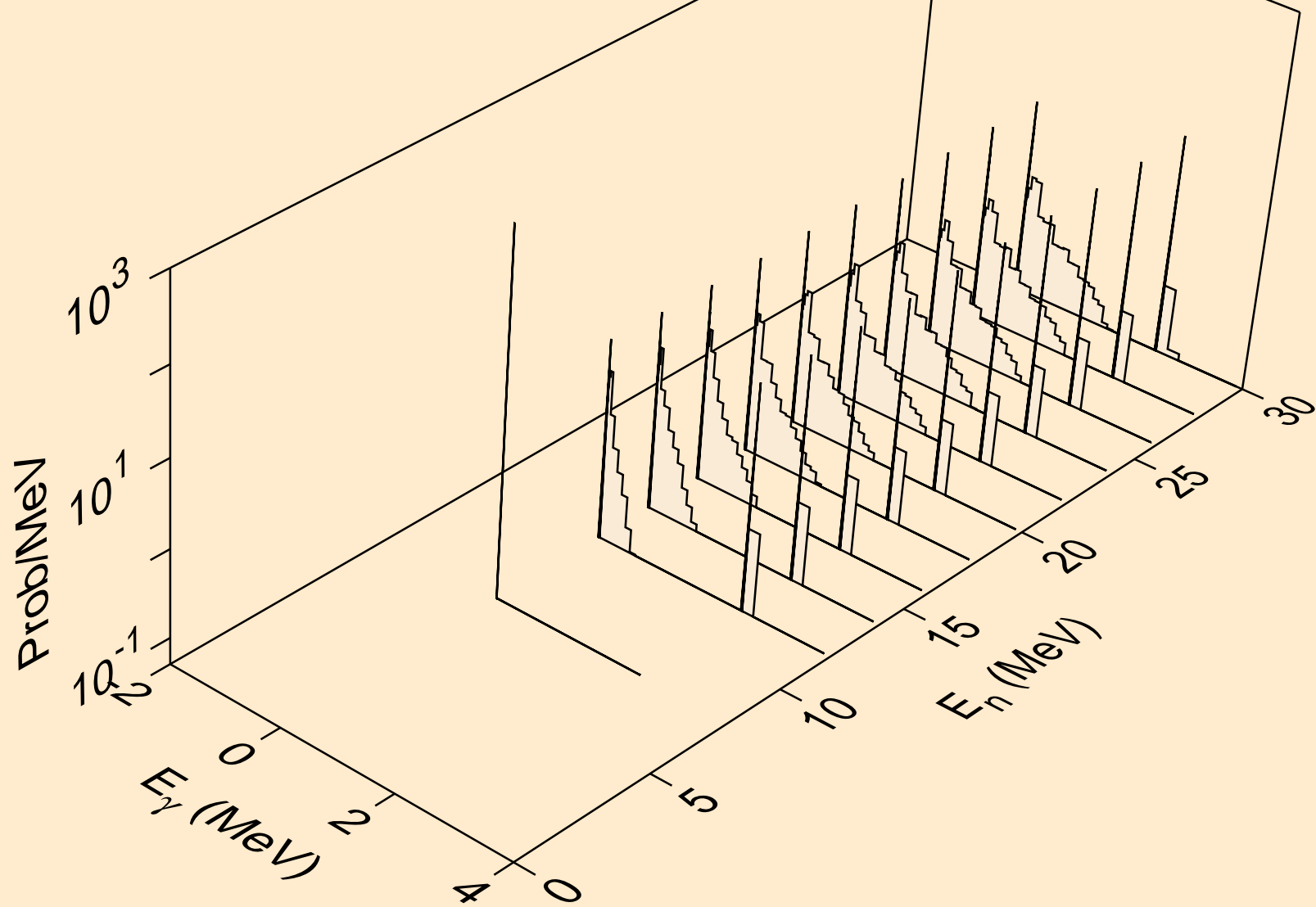
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



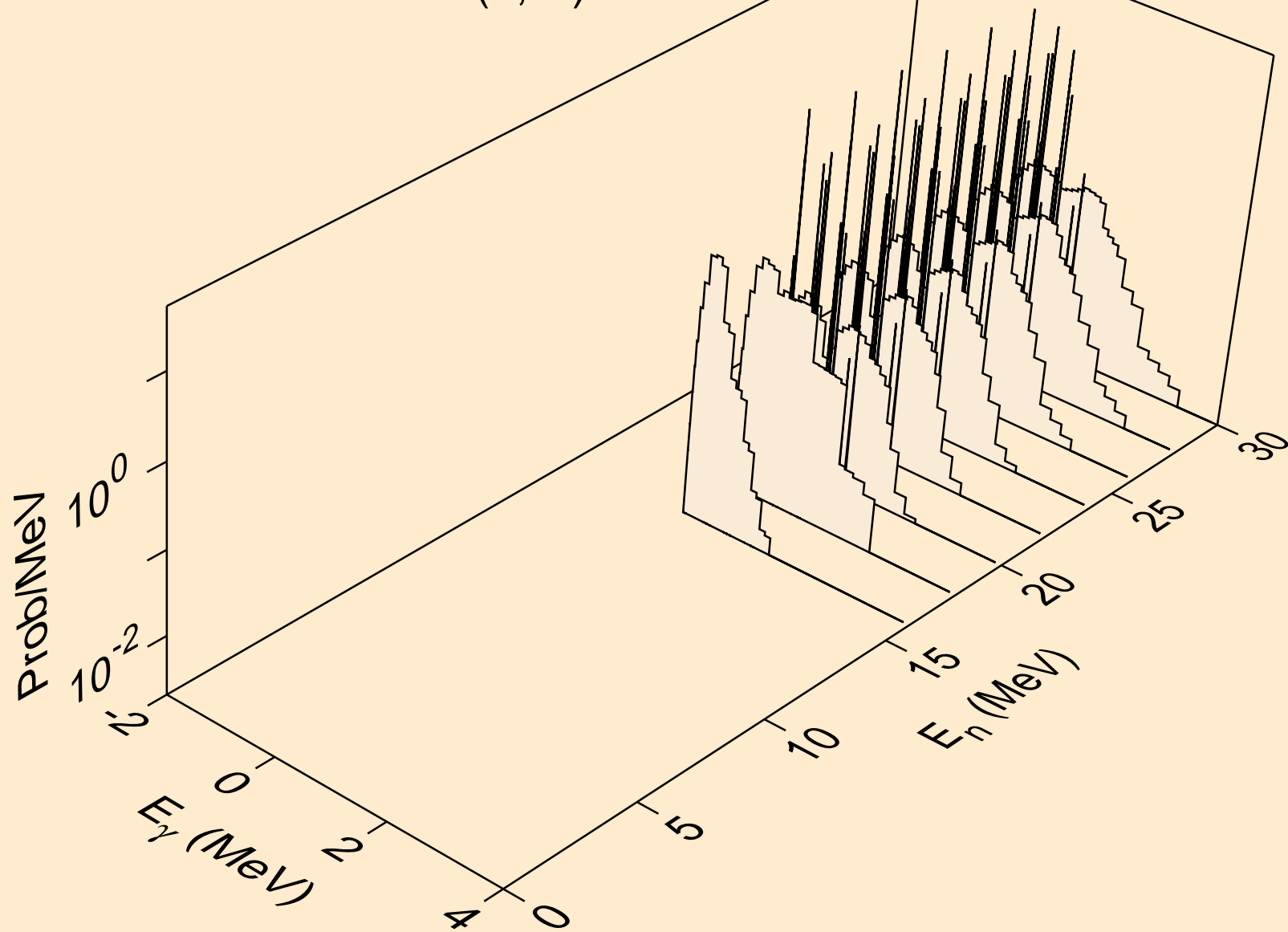
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



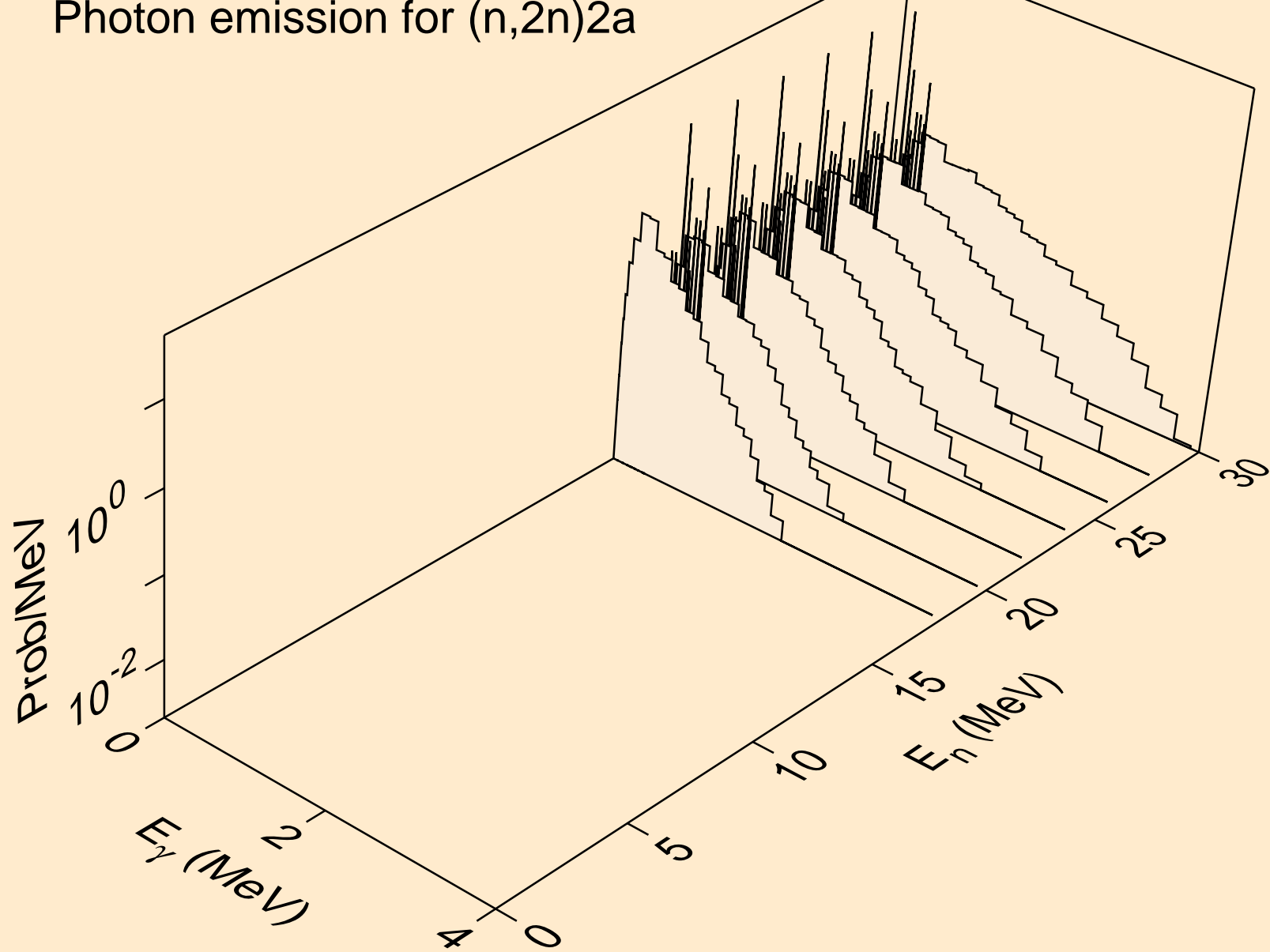
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



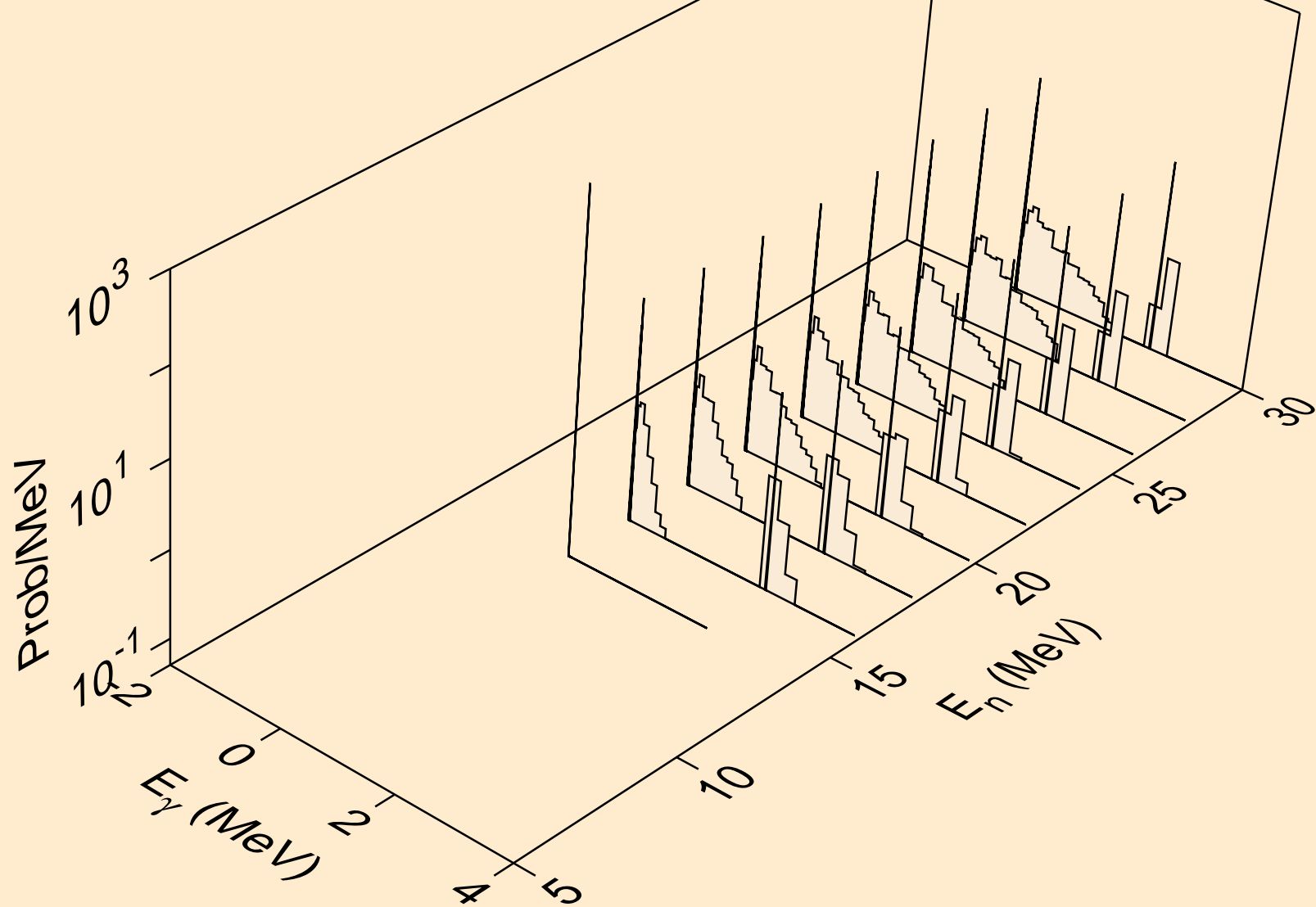
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



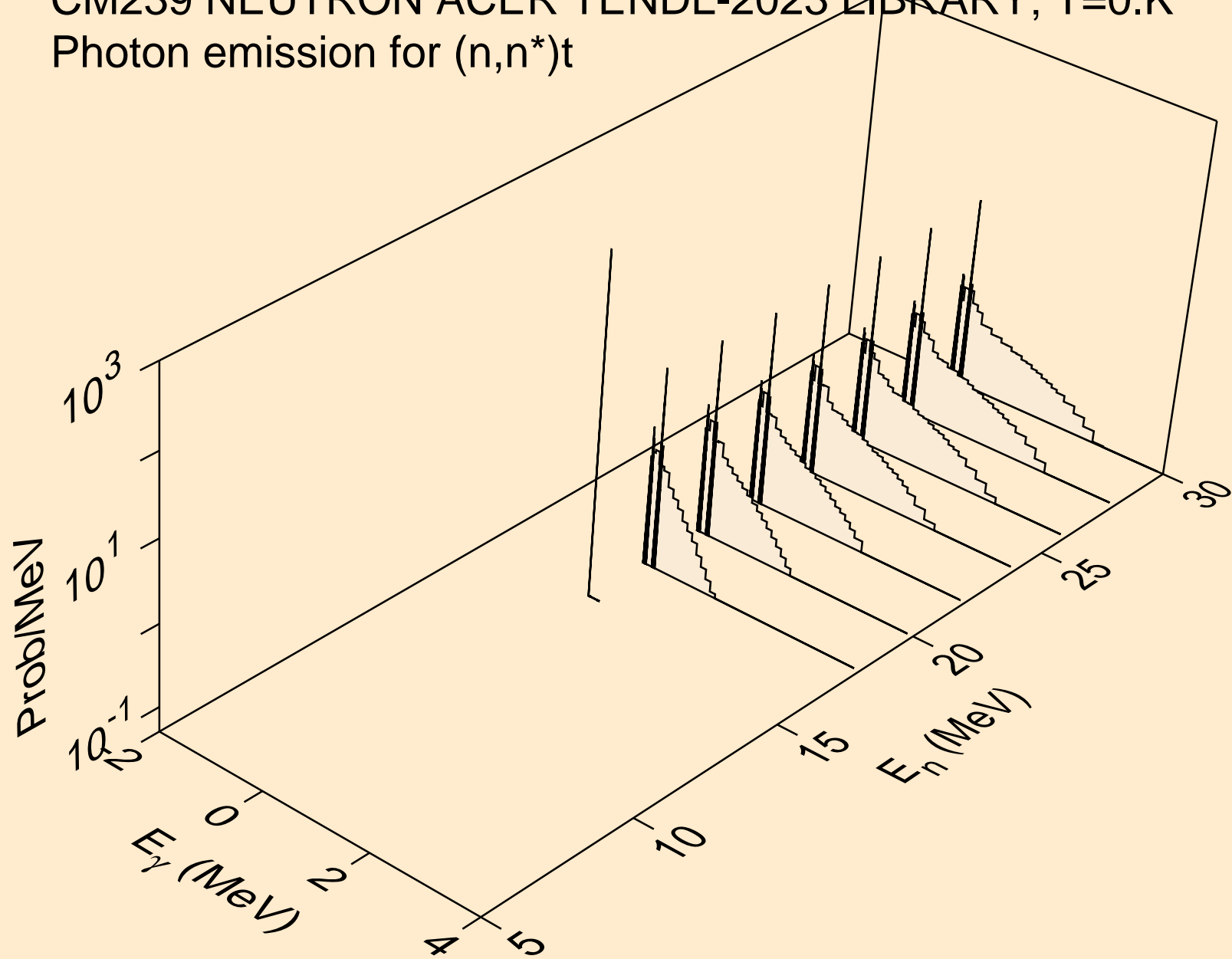
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



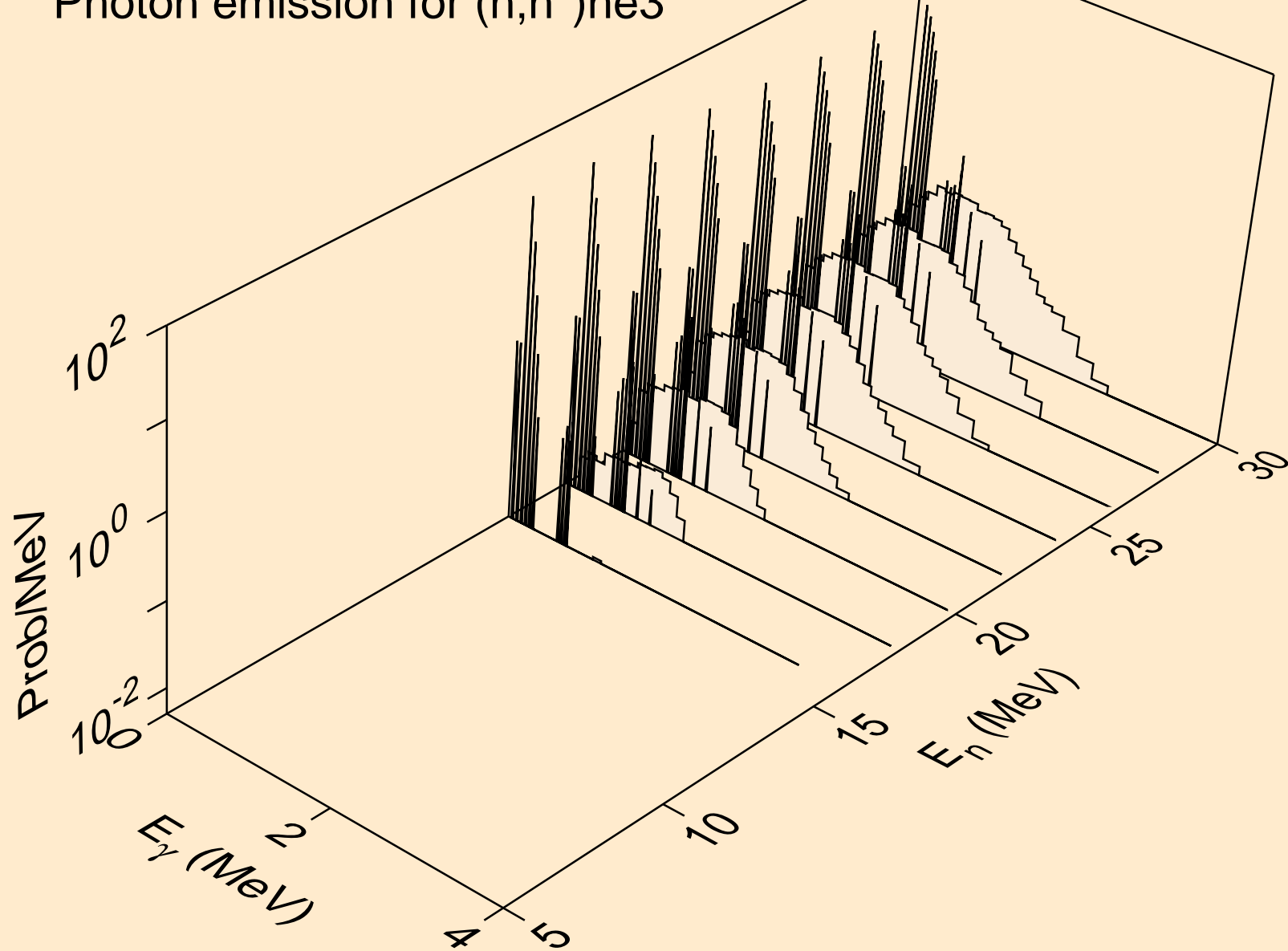
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



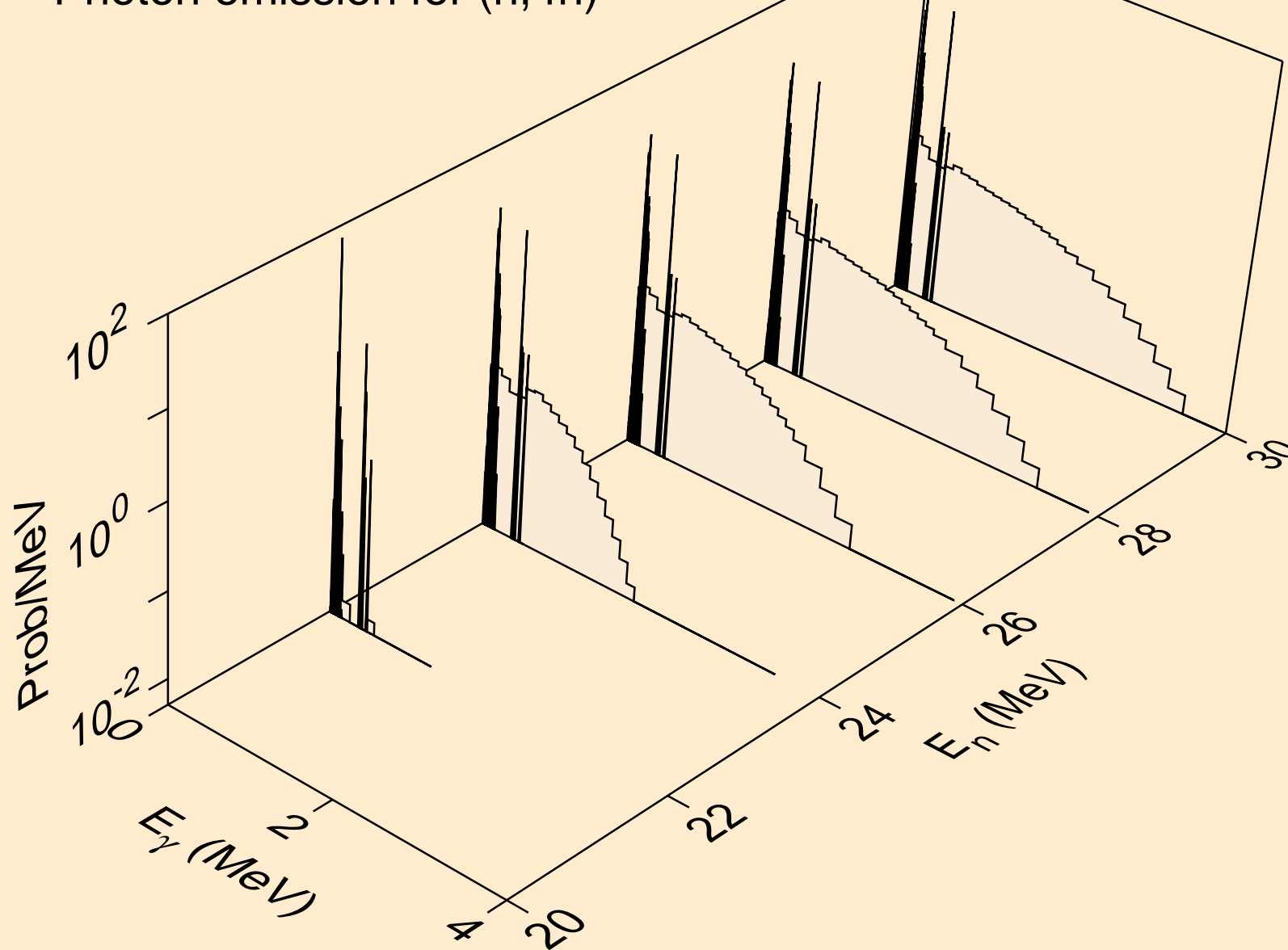
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



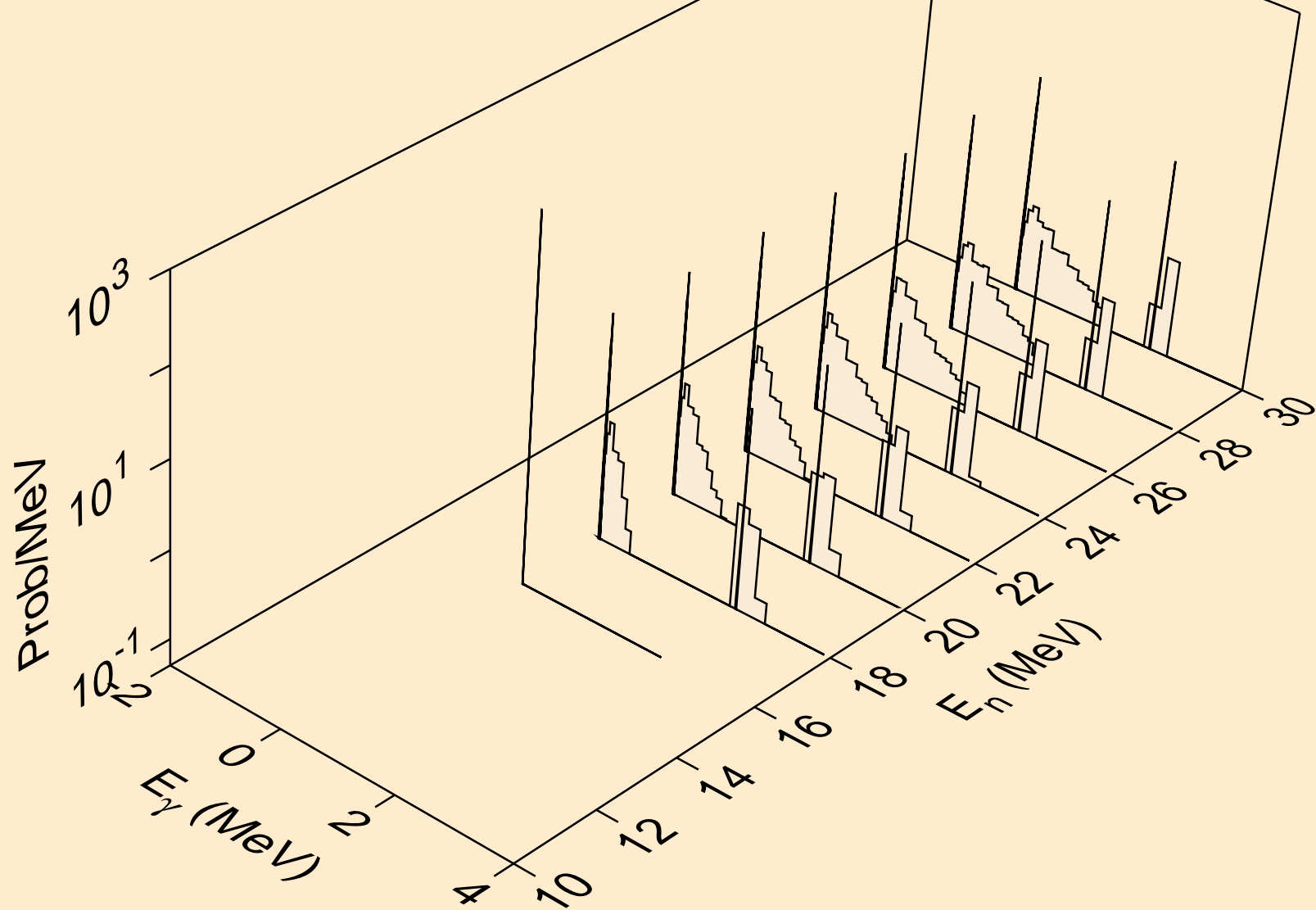
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



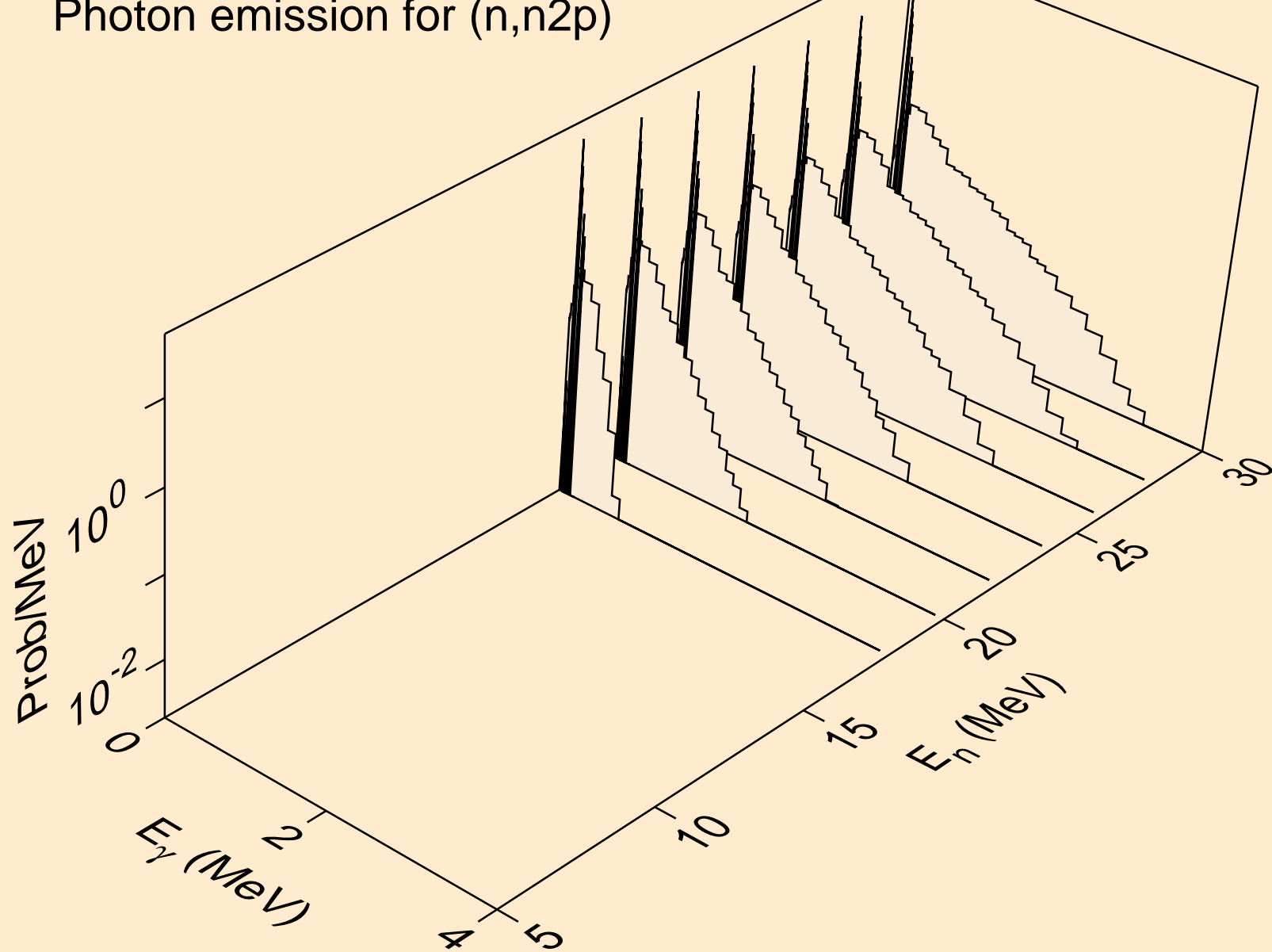
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



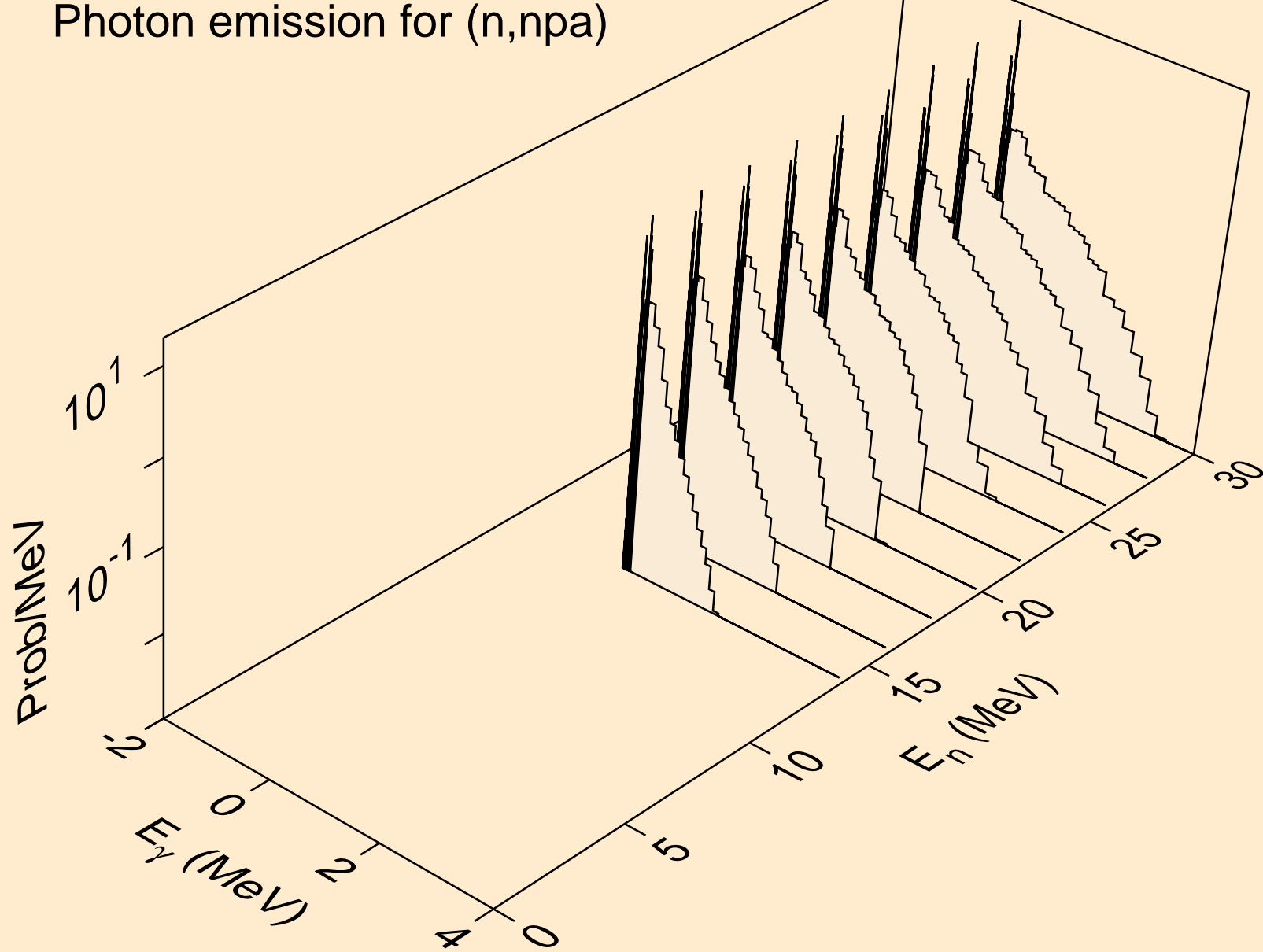
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Photon emission for (n,2np)



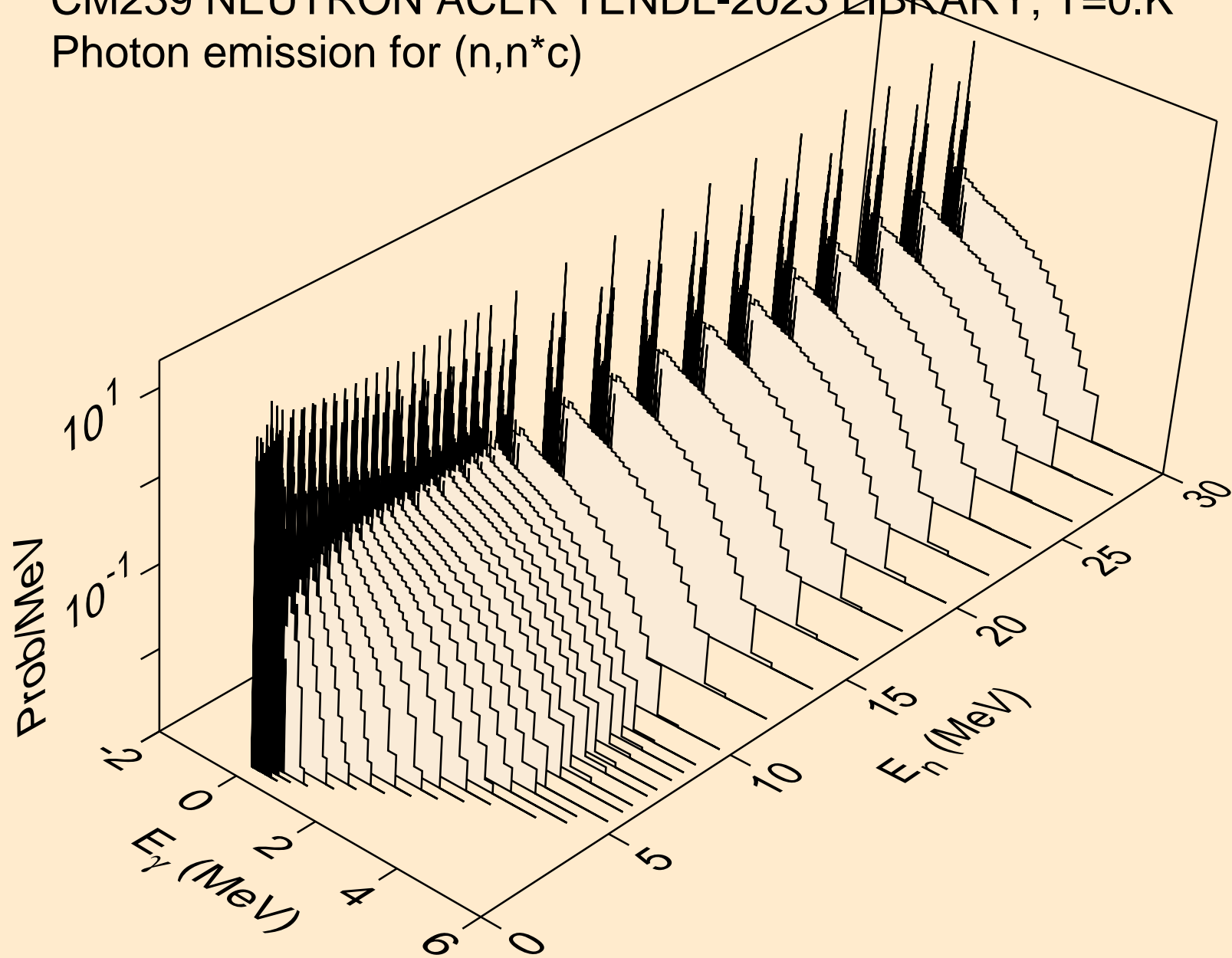
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Photon emission for (n,n2p)



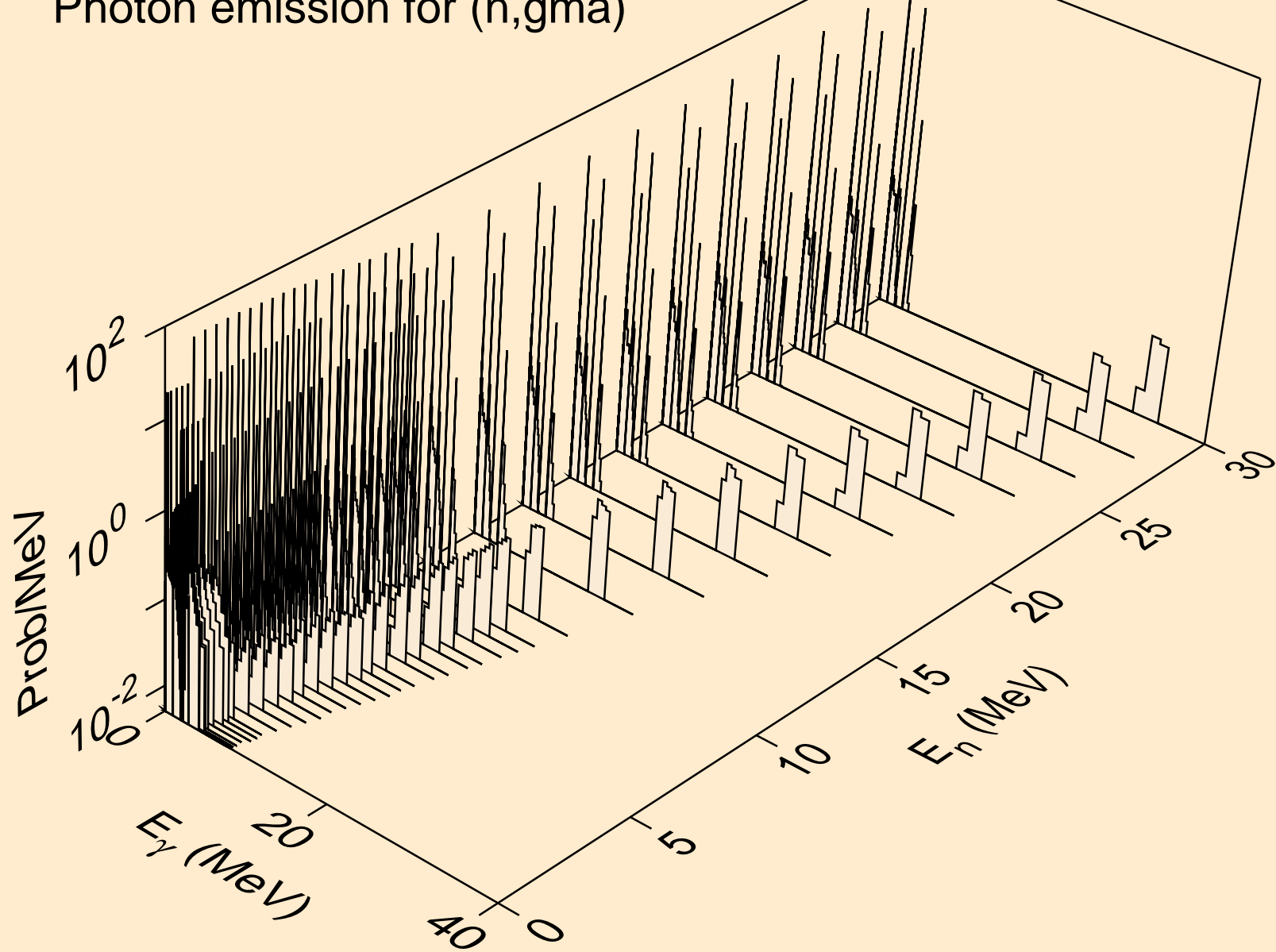
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



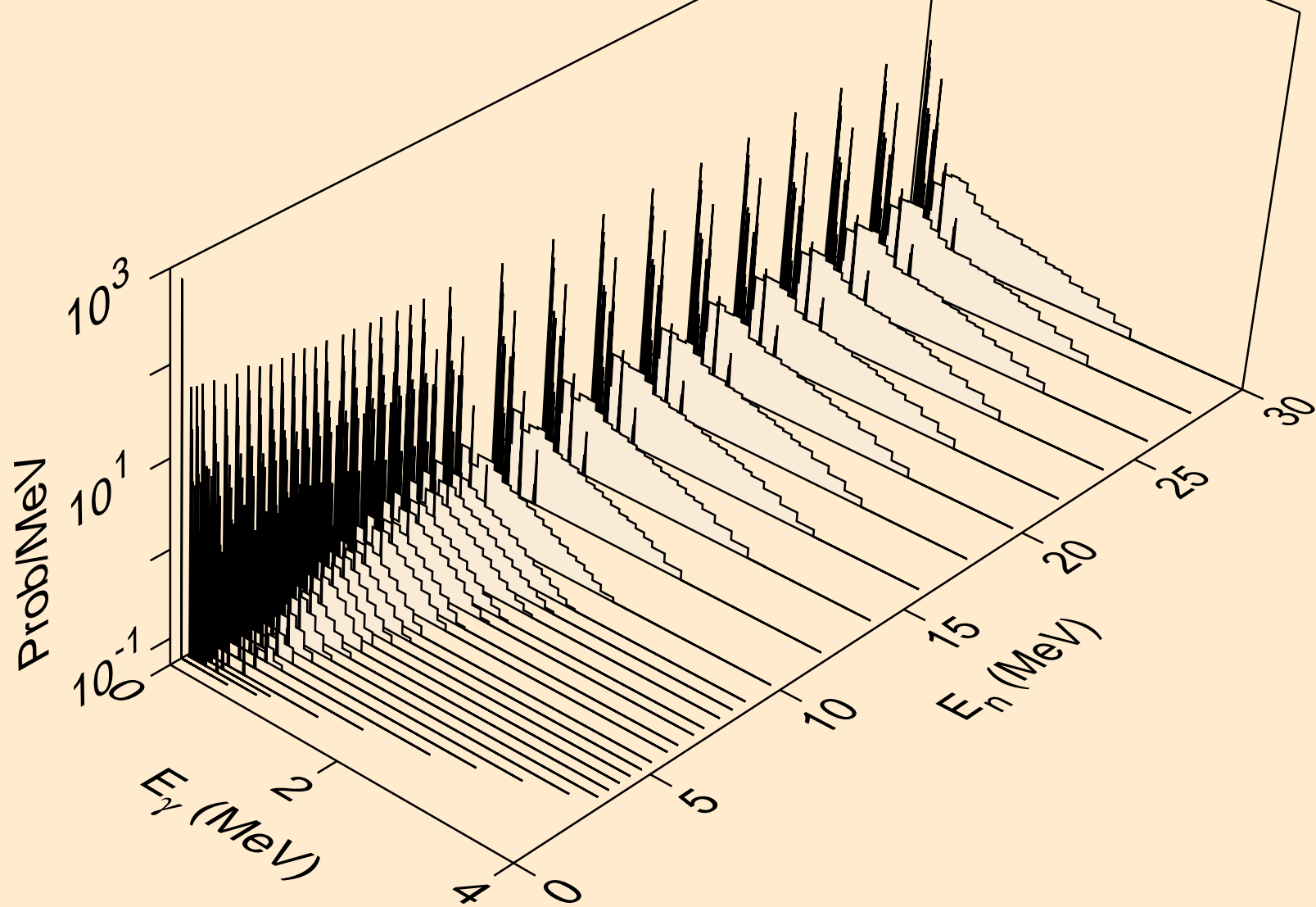
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



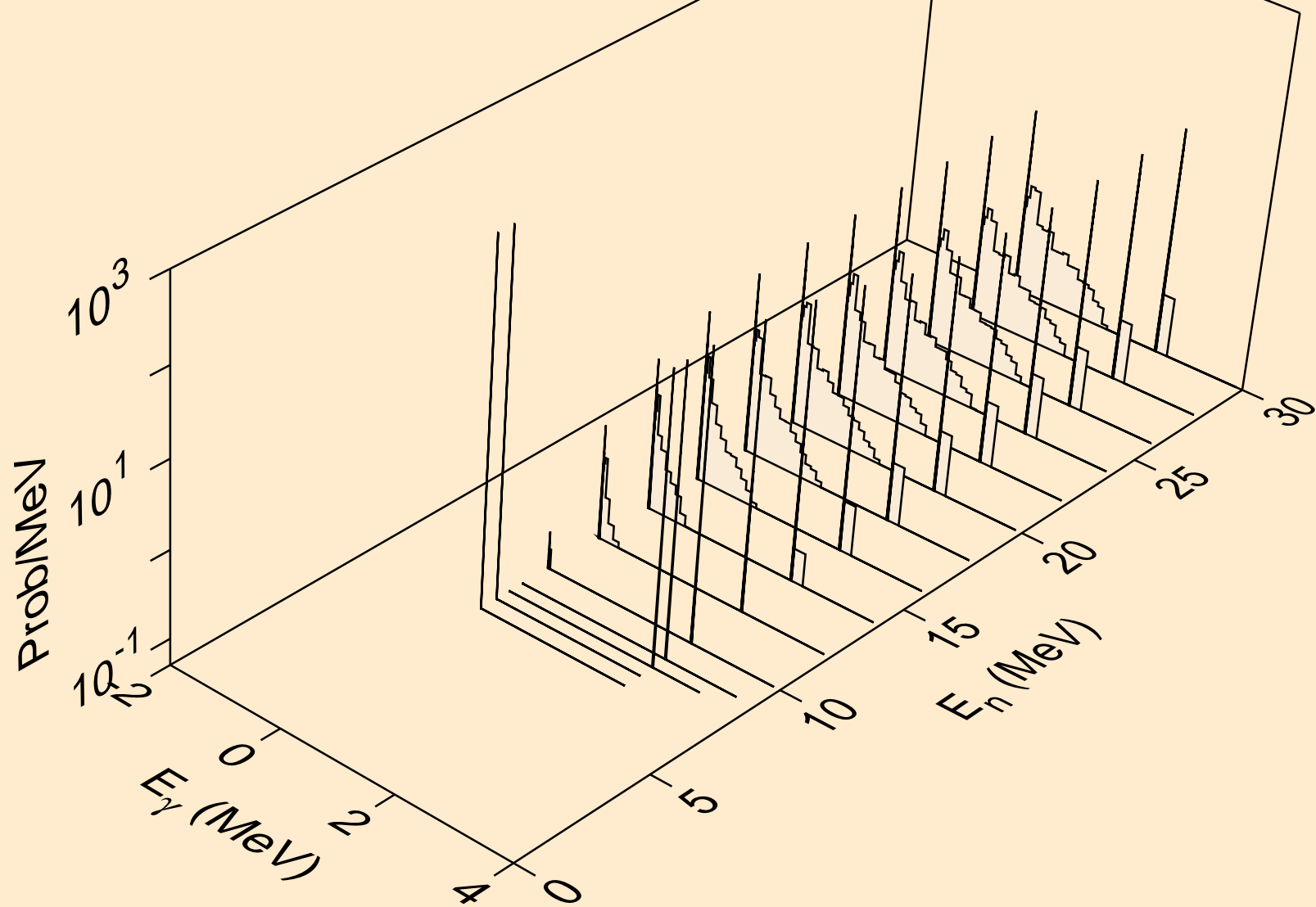
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Photon emission for (n,gma)



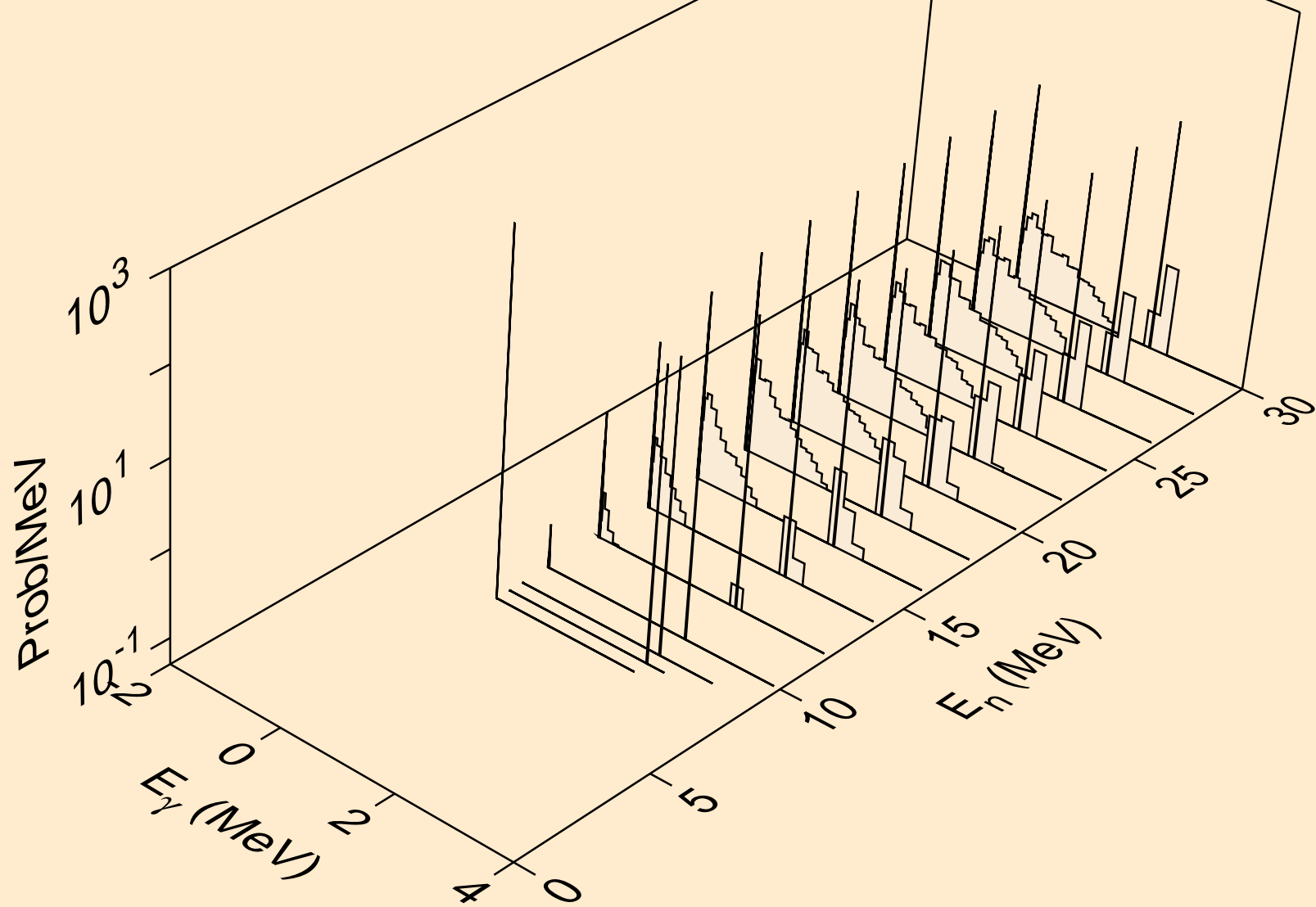
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Photon emission for (n,p)



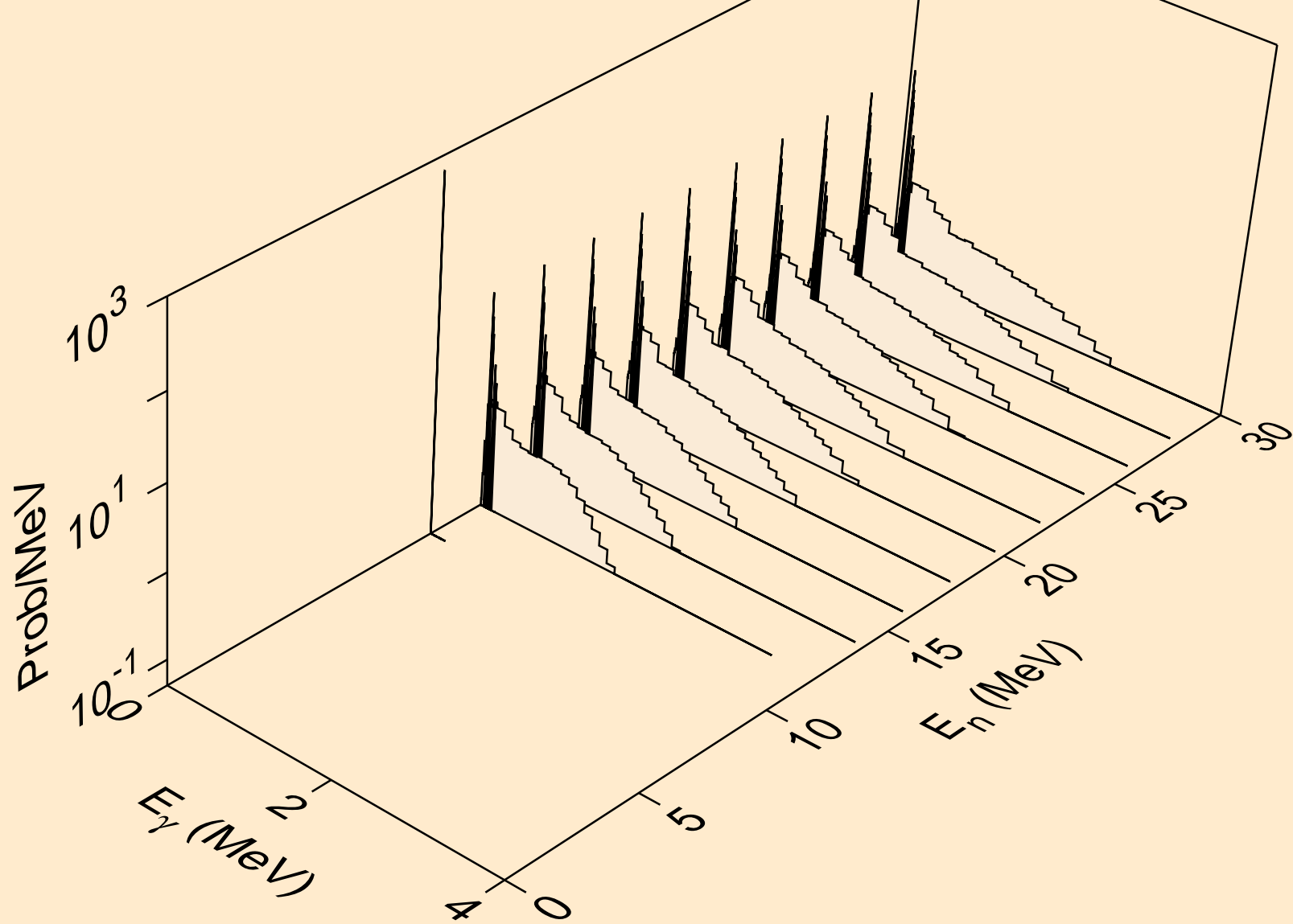
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Photon emission for (n,d)



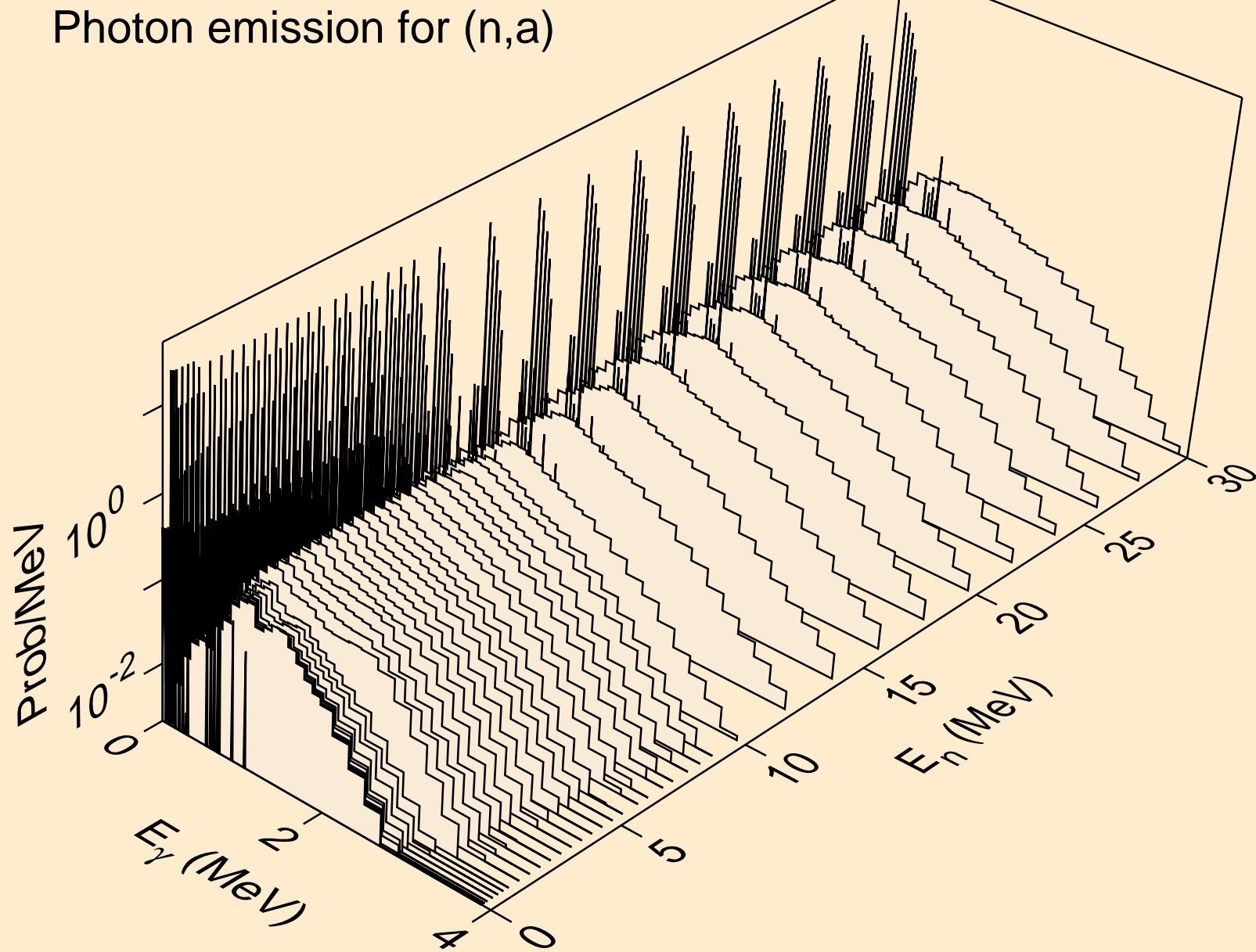
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



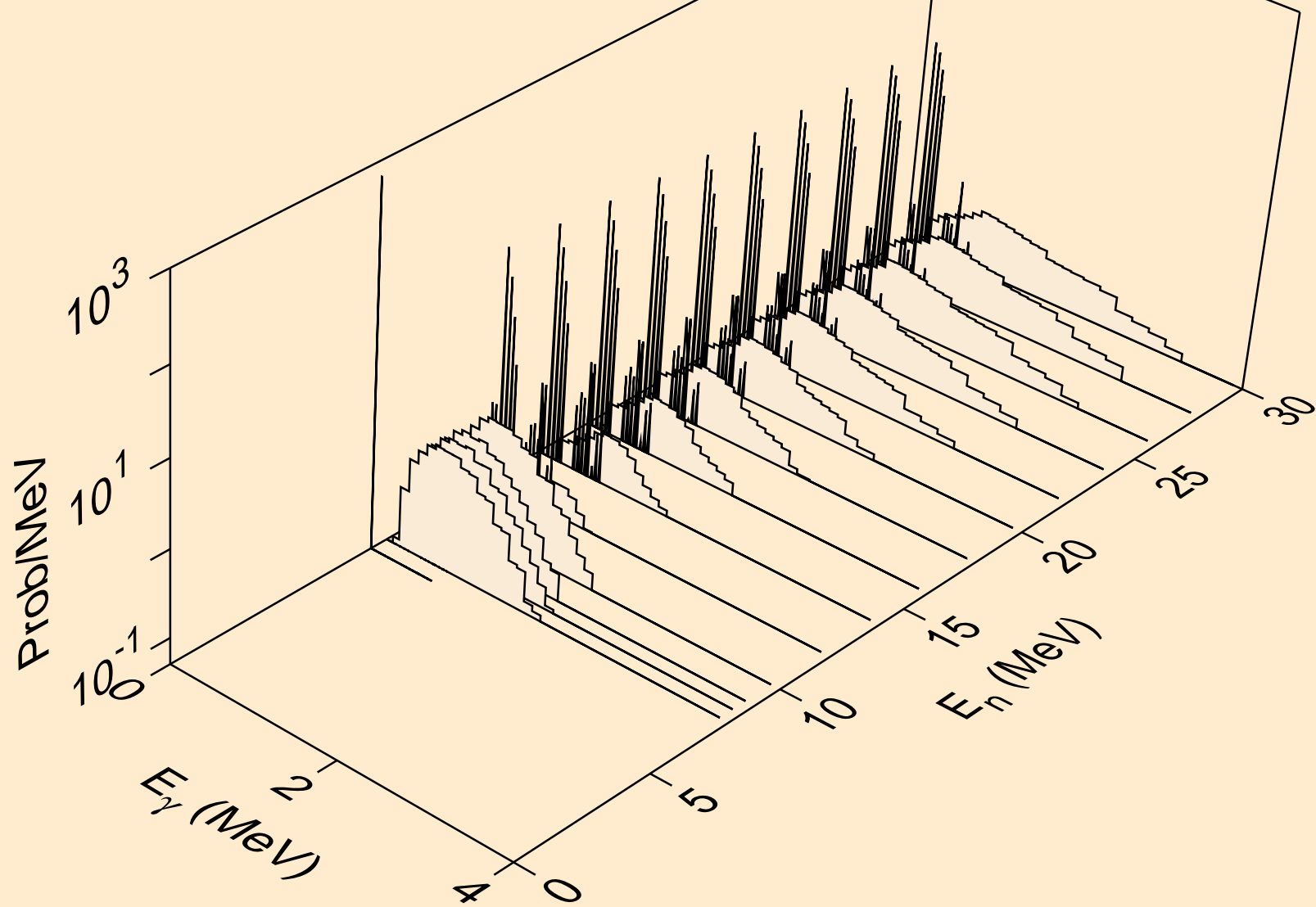
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Photon emission for (n,he3)



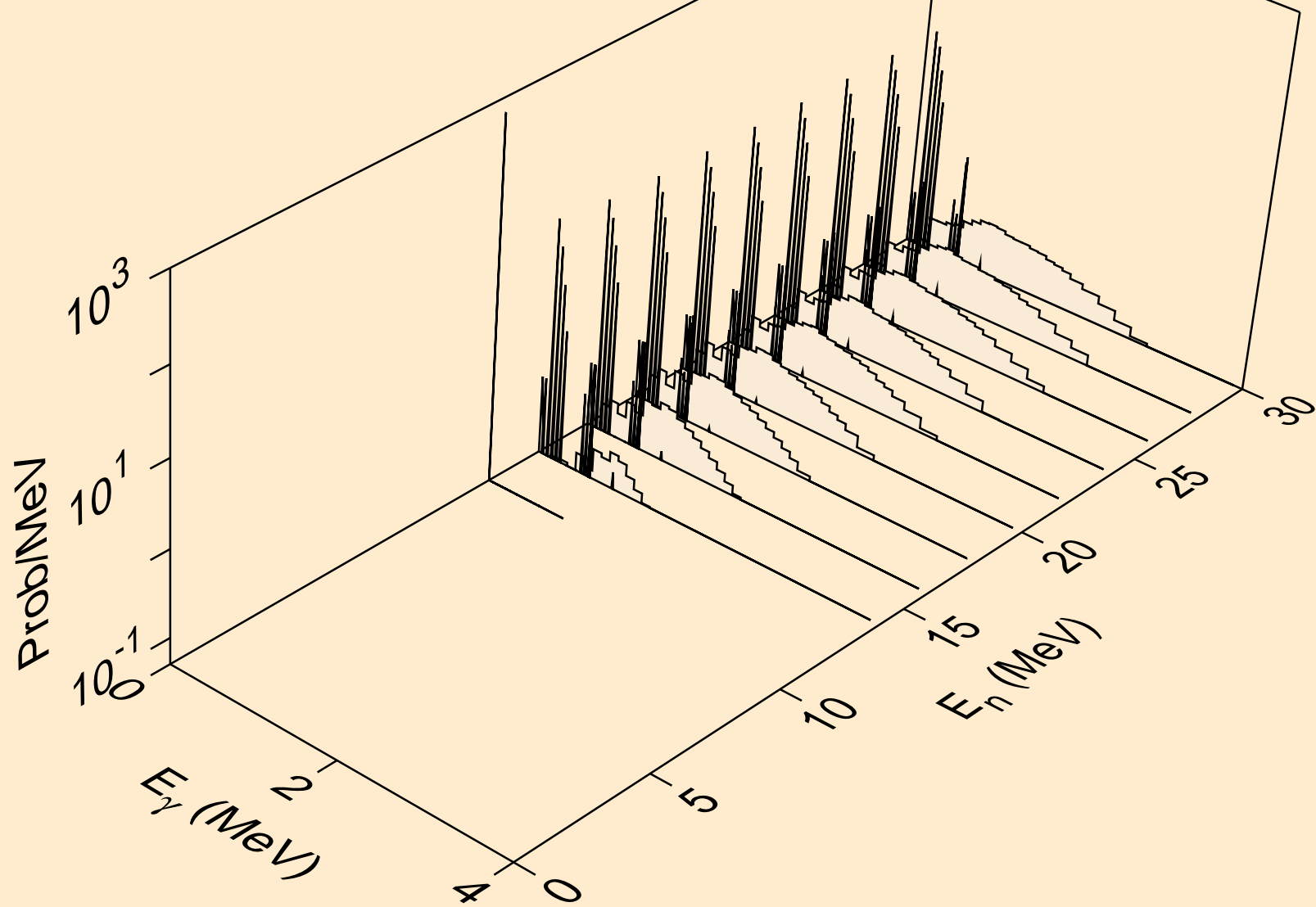
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Photon emission for (n,a)



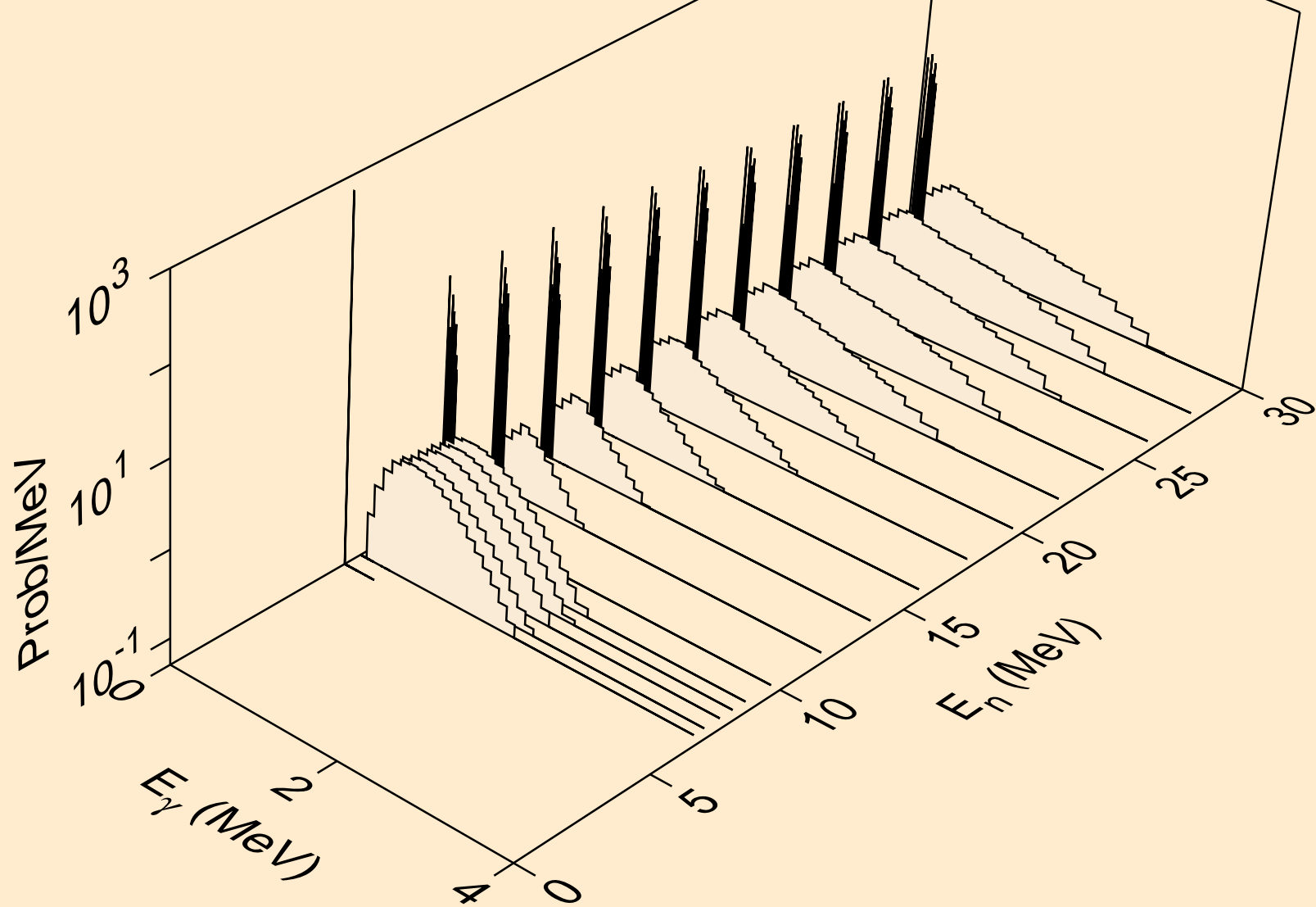
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Photon emission for (n,2a)



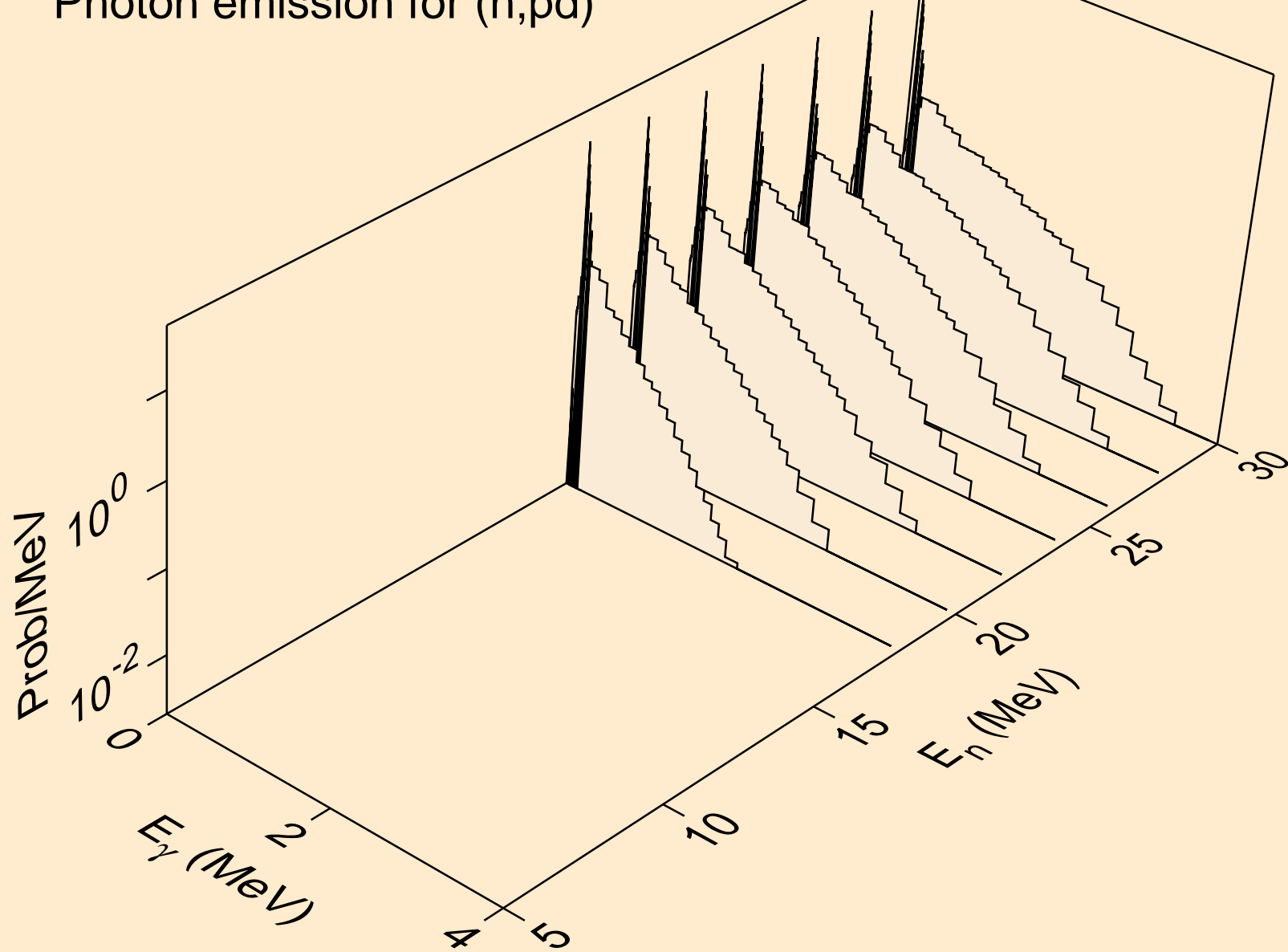
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Photon emission for (n,2p)



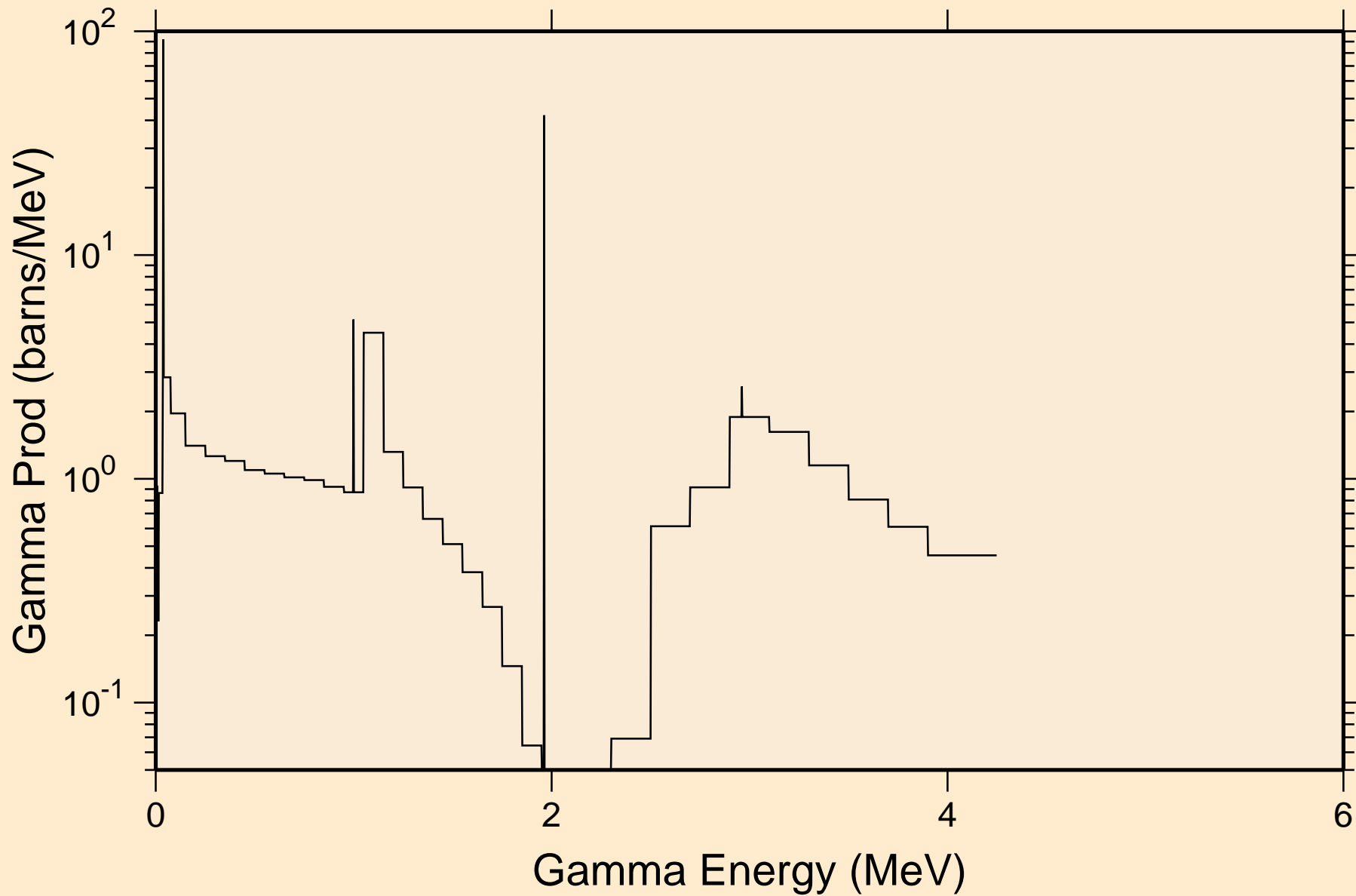
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



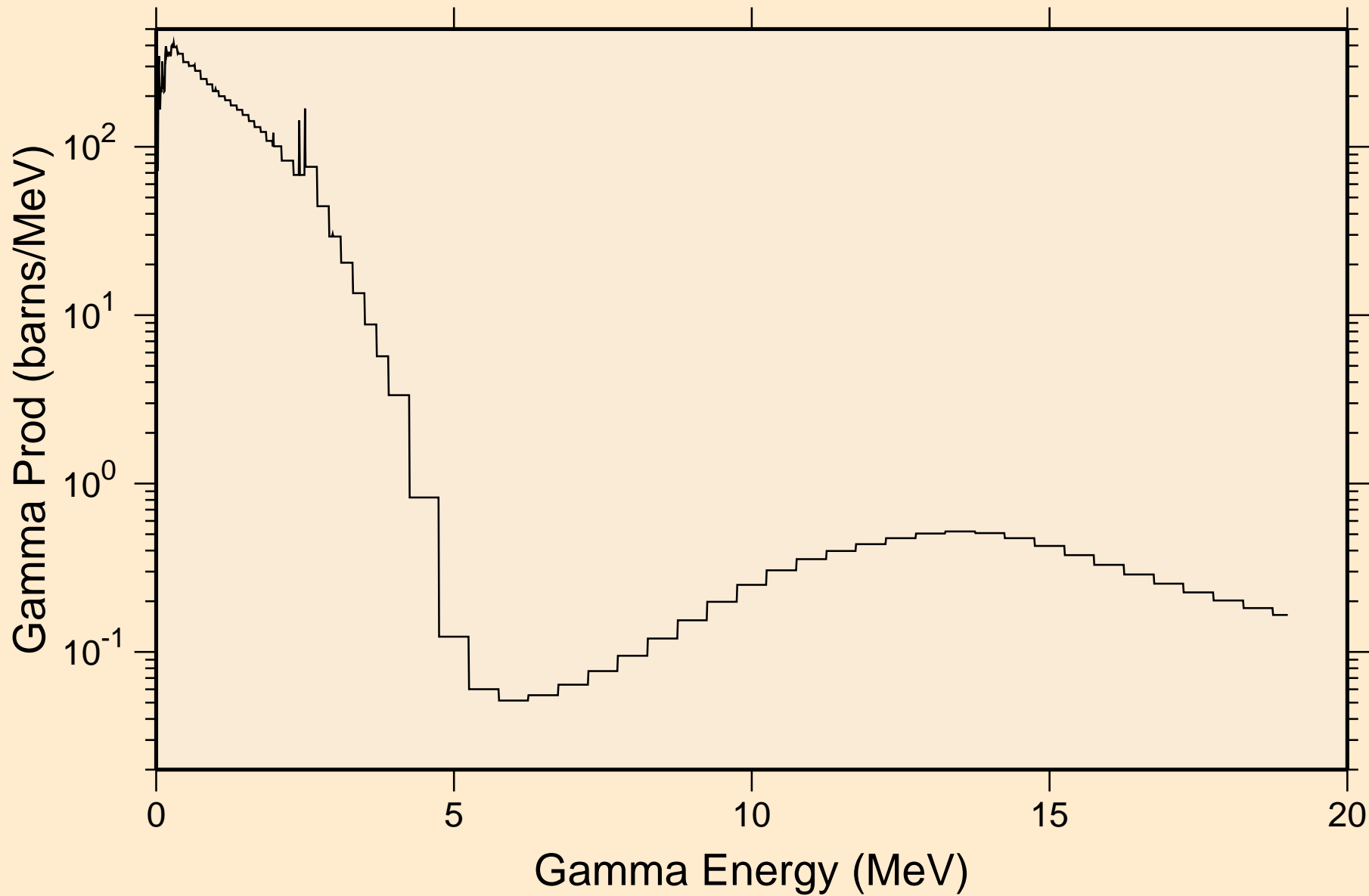
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

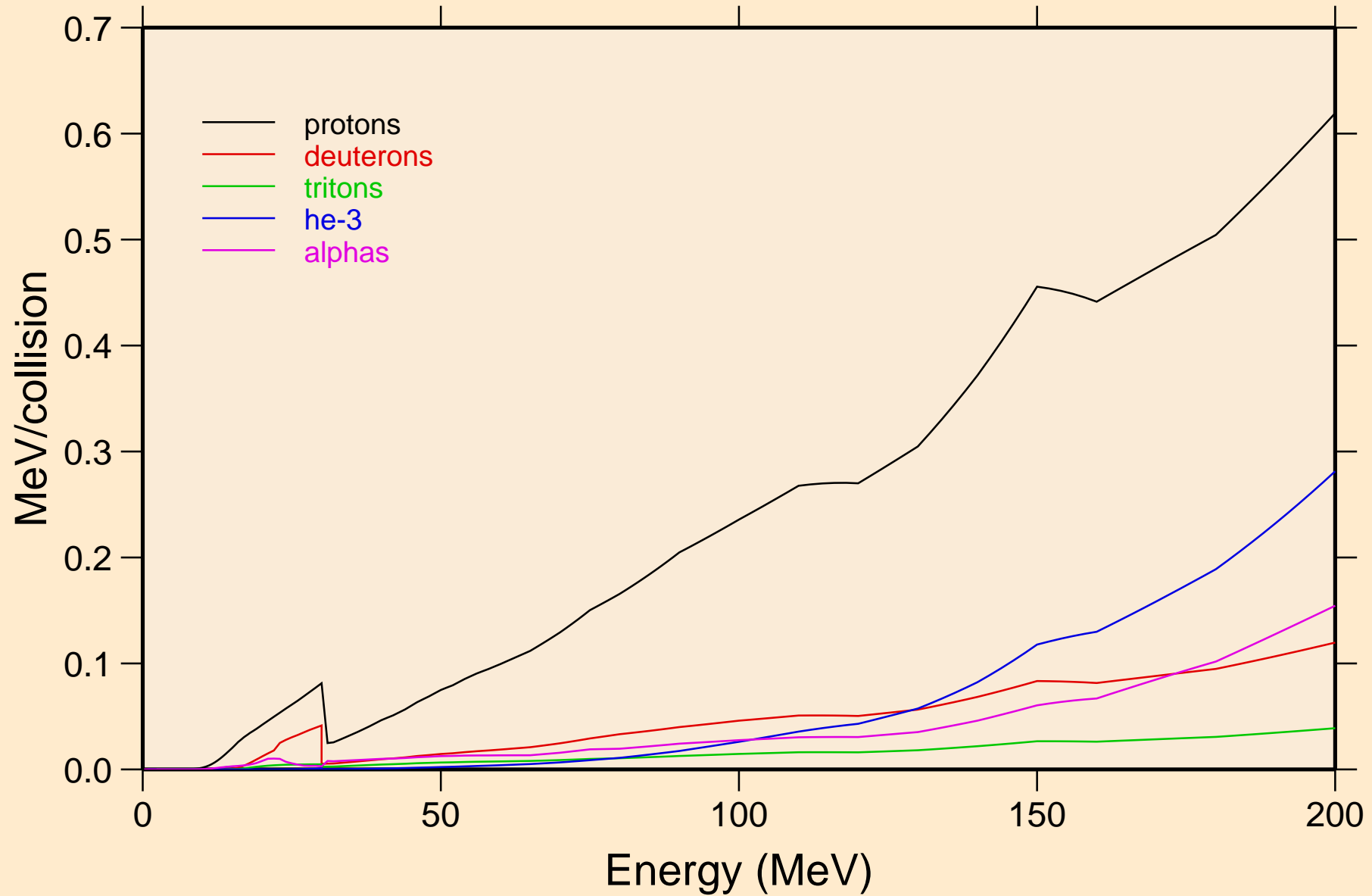


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

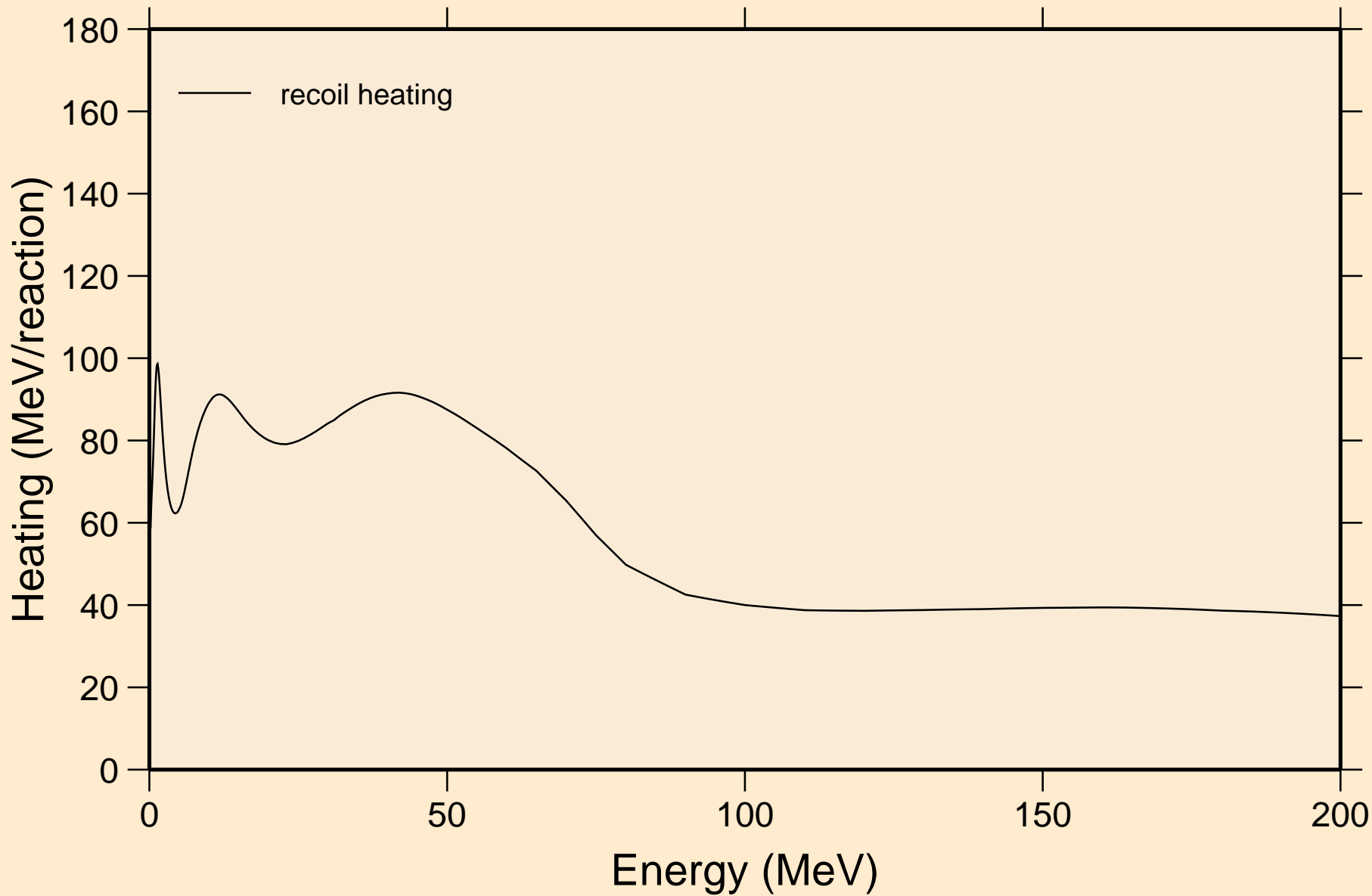


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

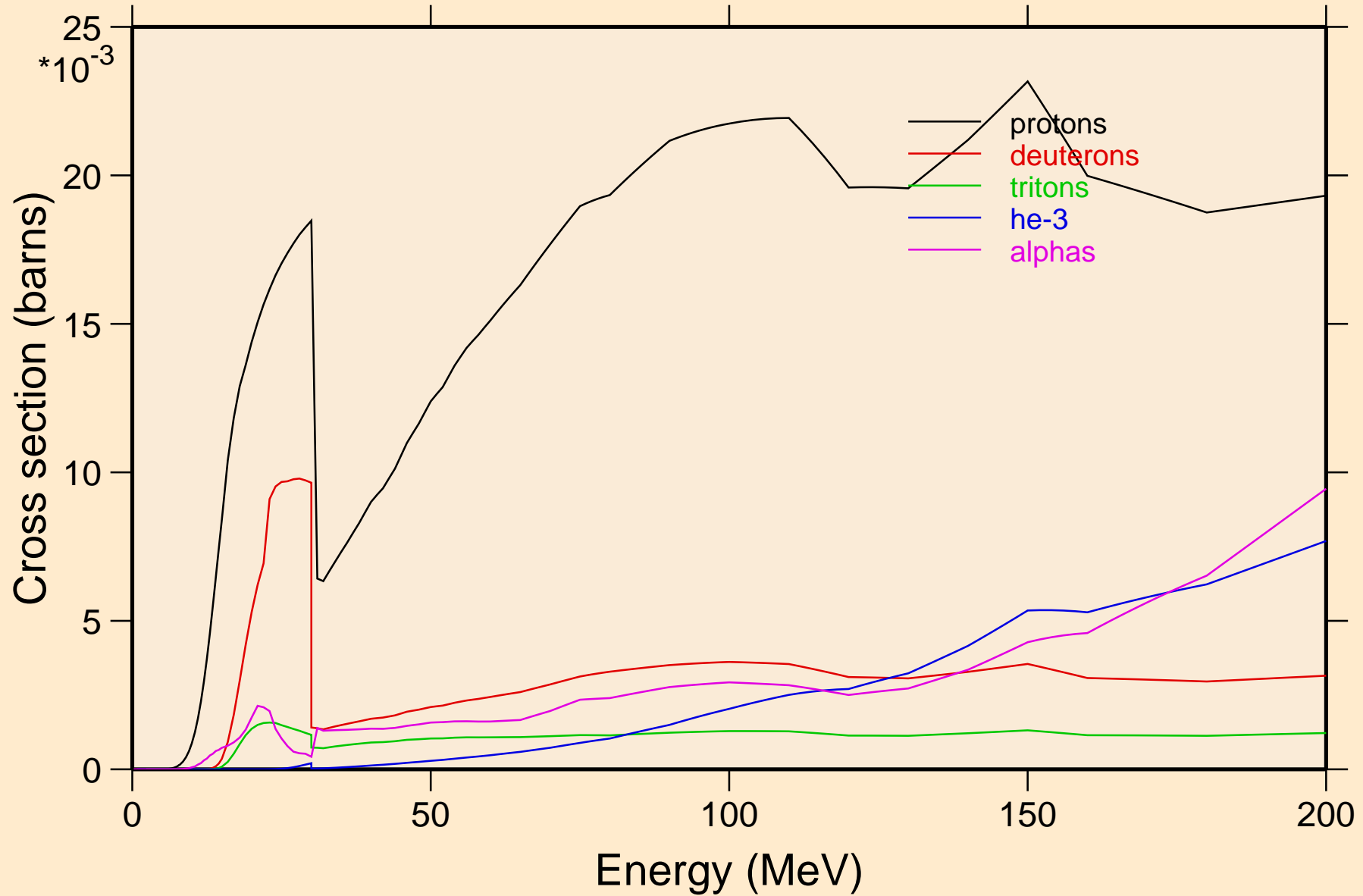


CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

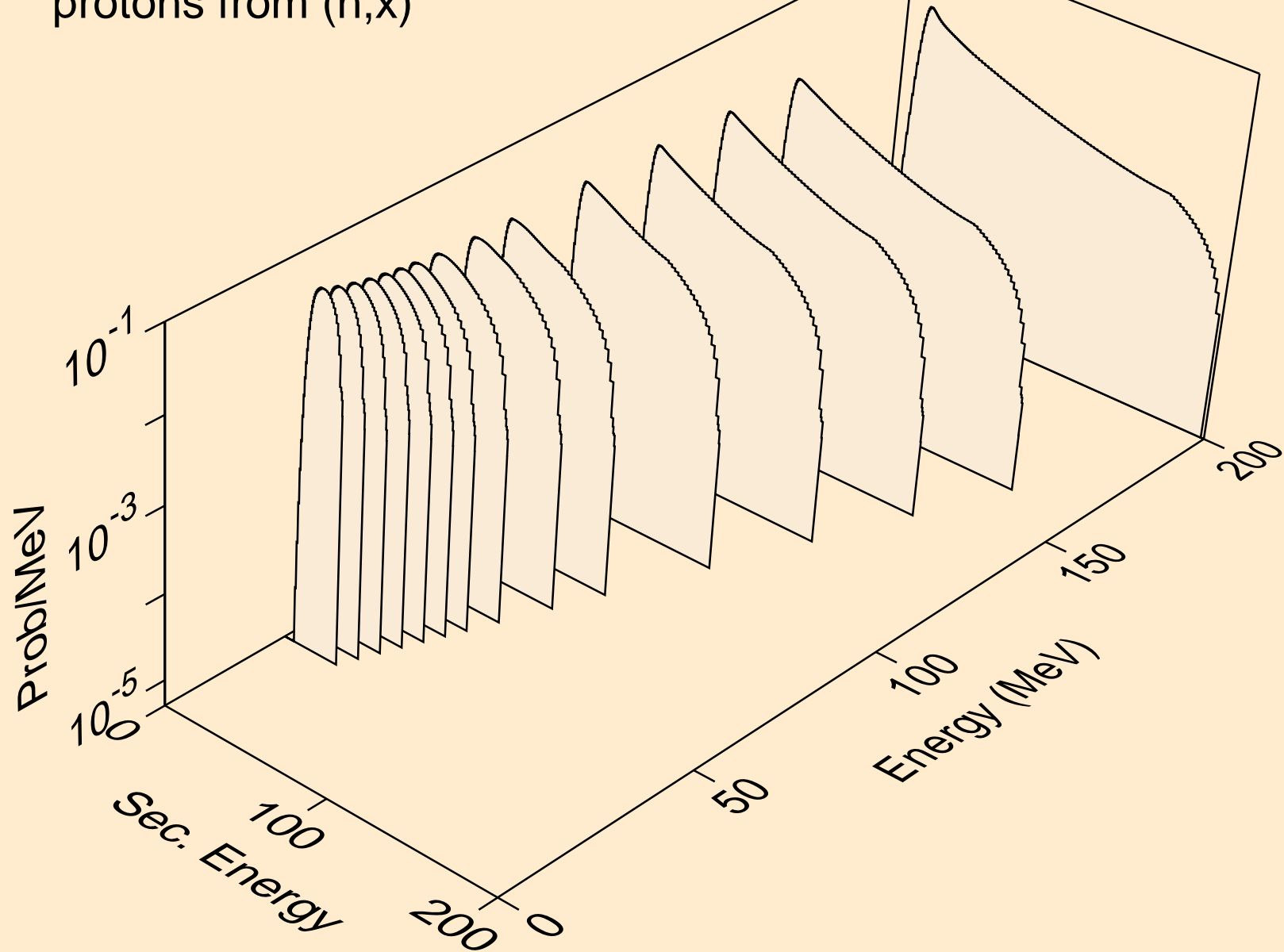


# CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

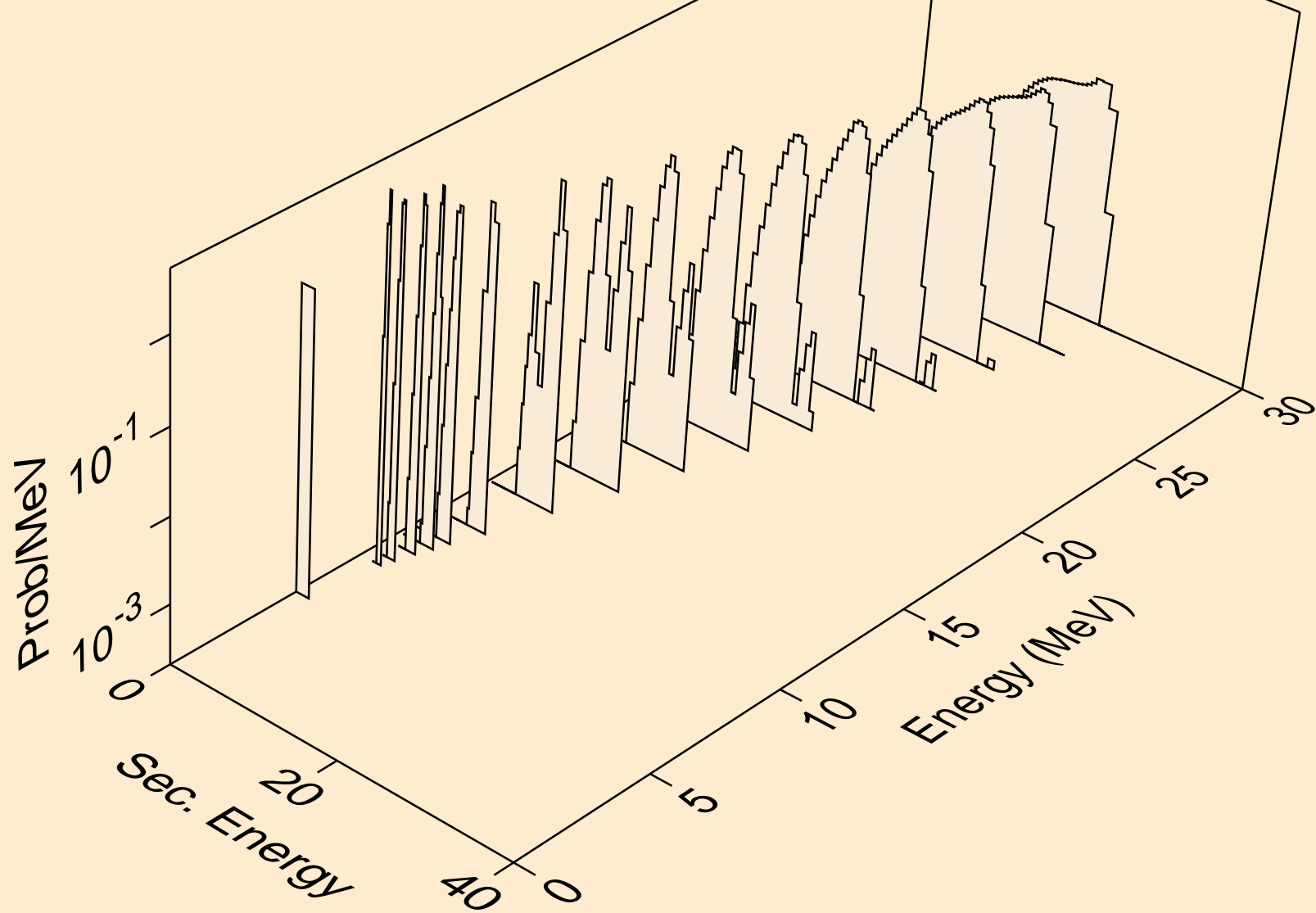
## Particle production cross sections



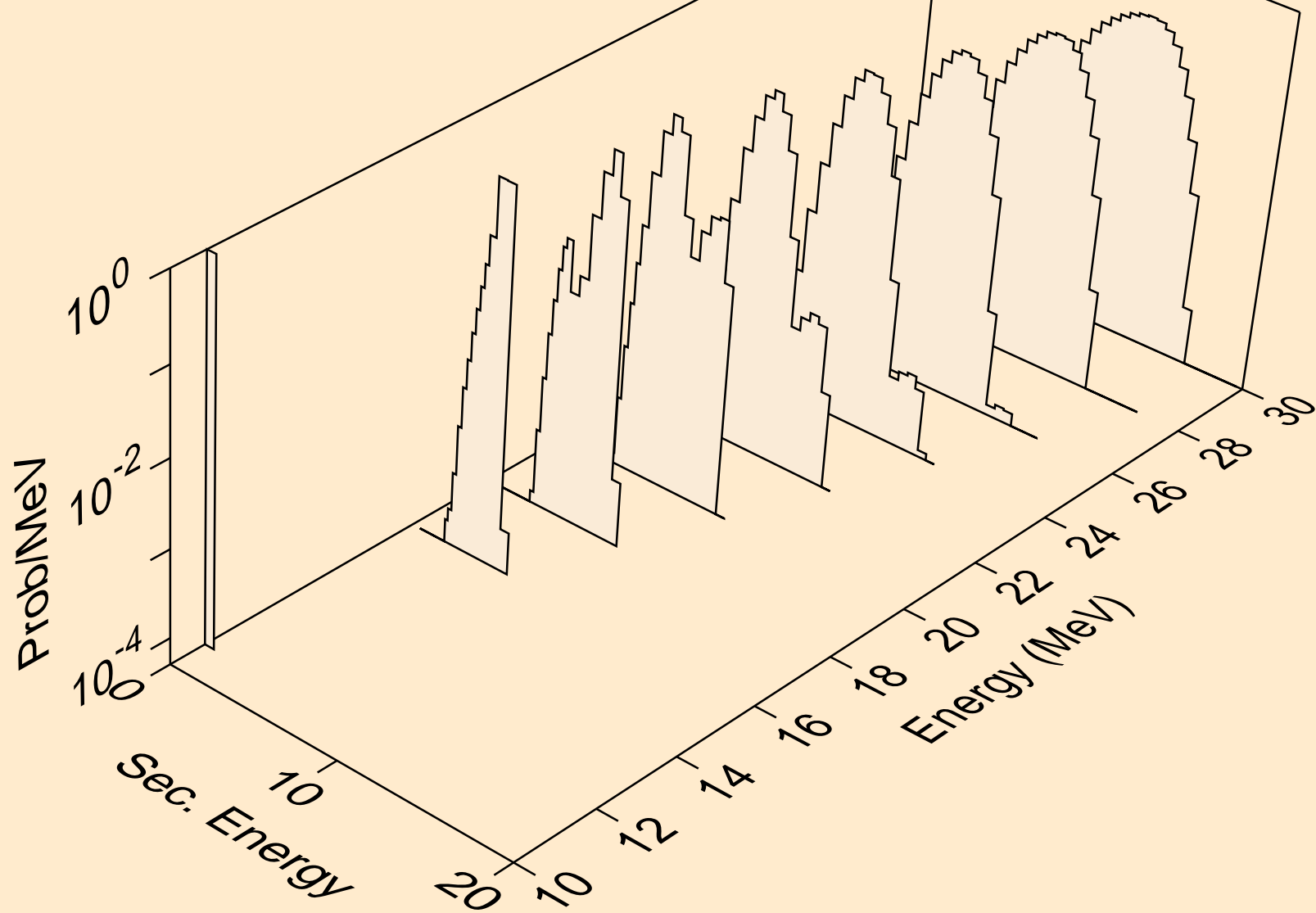
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



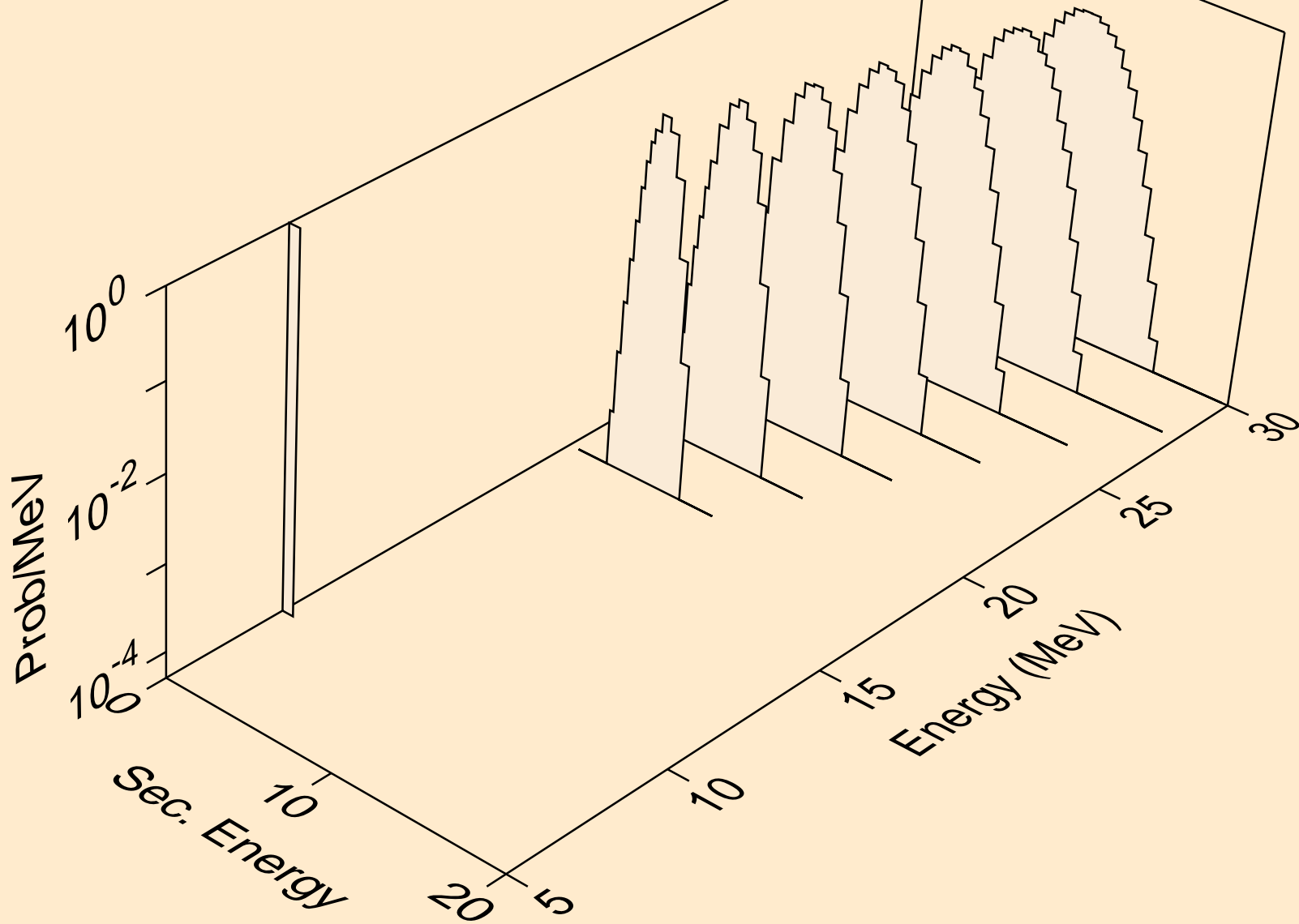
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protons from (n,n\*)p



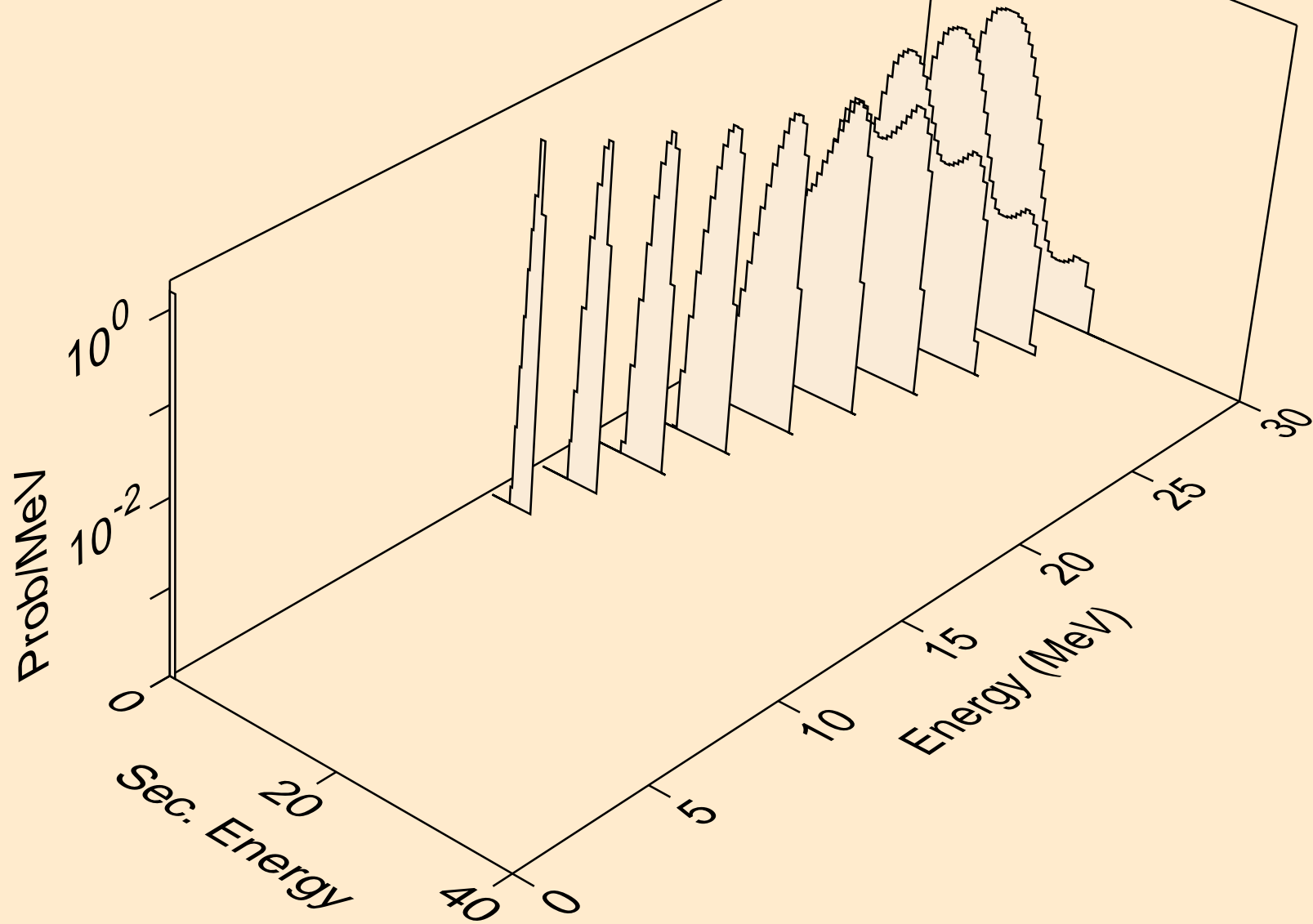
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protons from (n,2np)



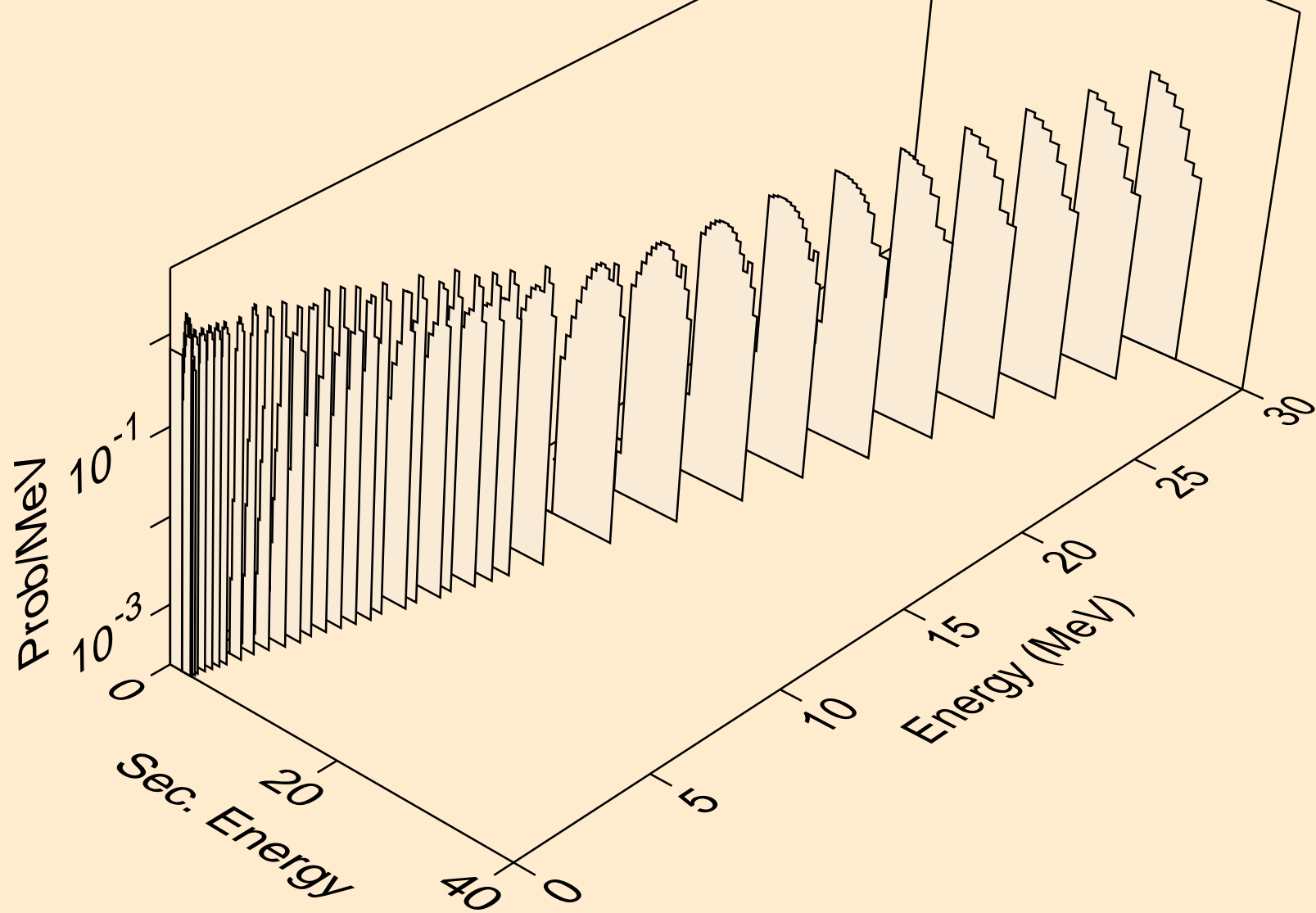
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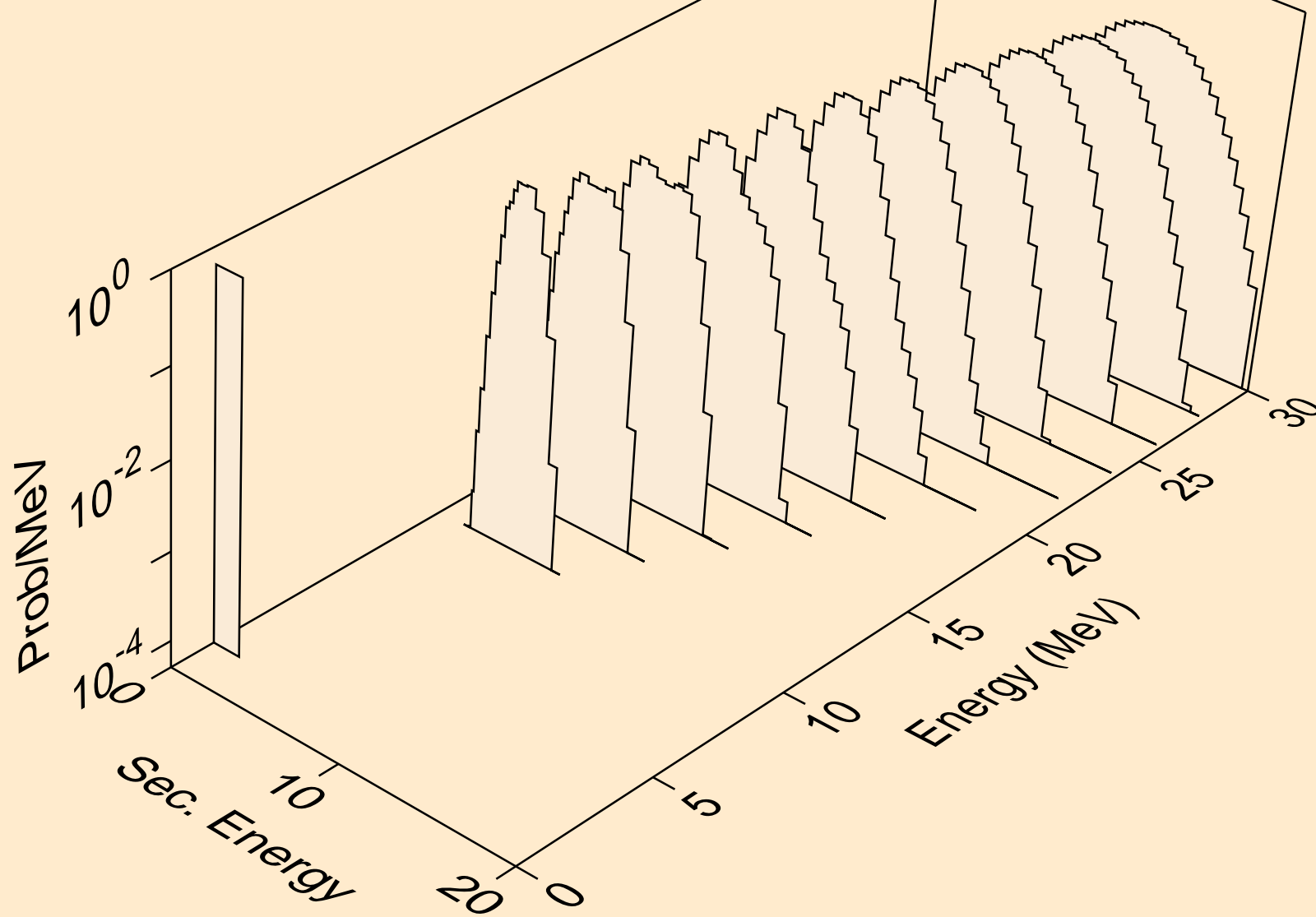
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protons from (n,npa)



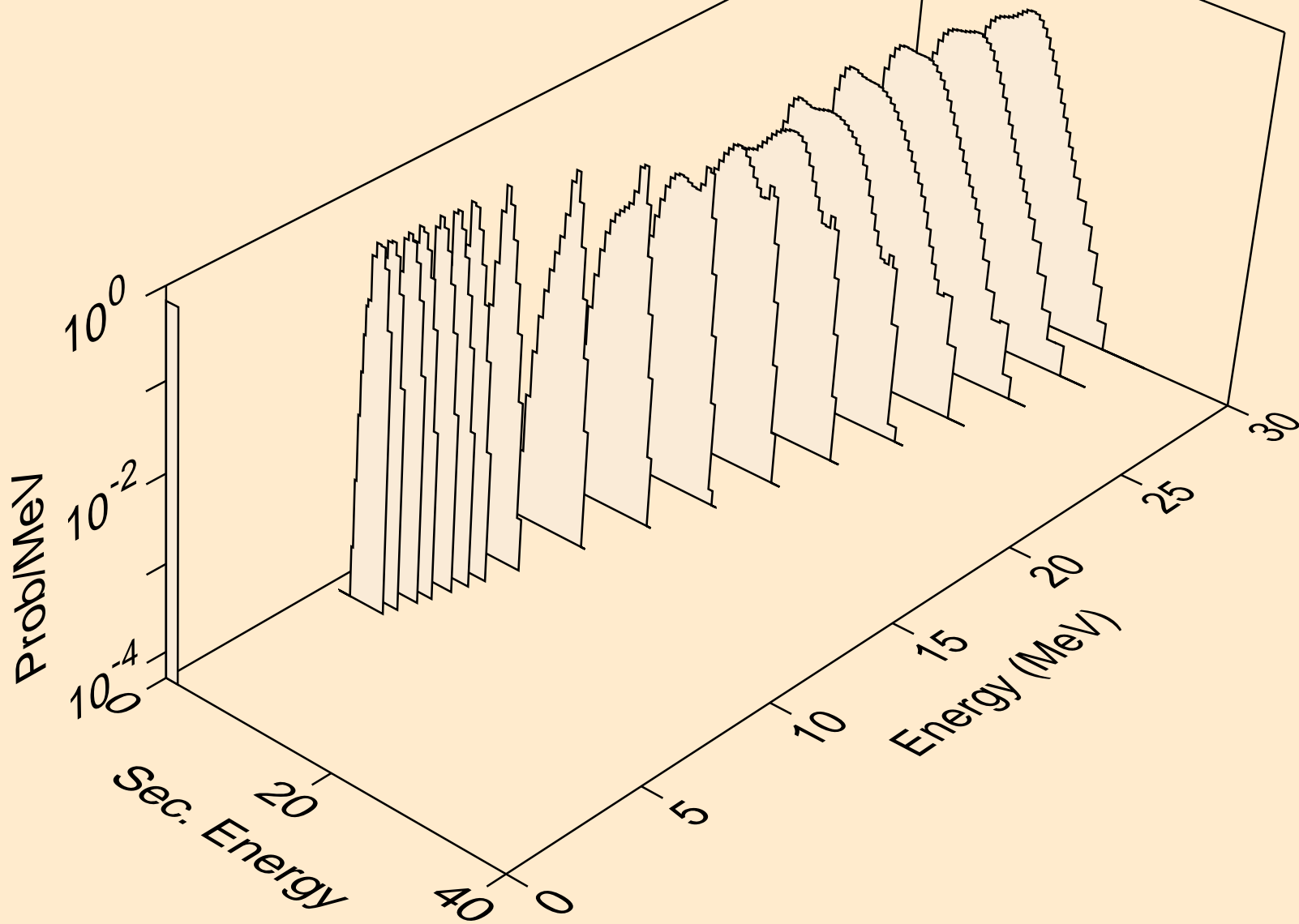
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protons from (n,p)



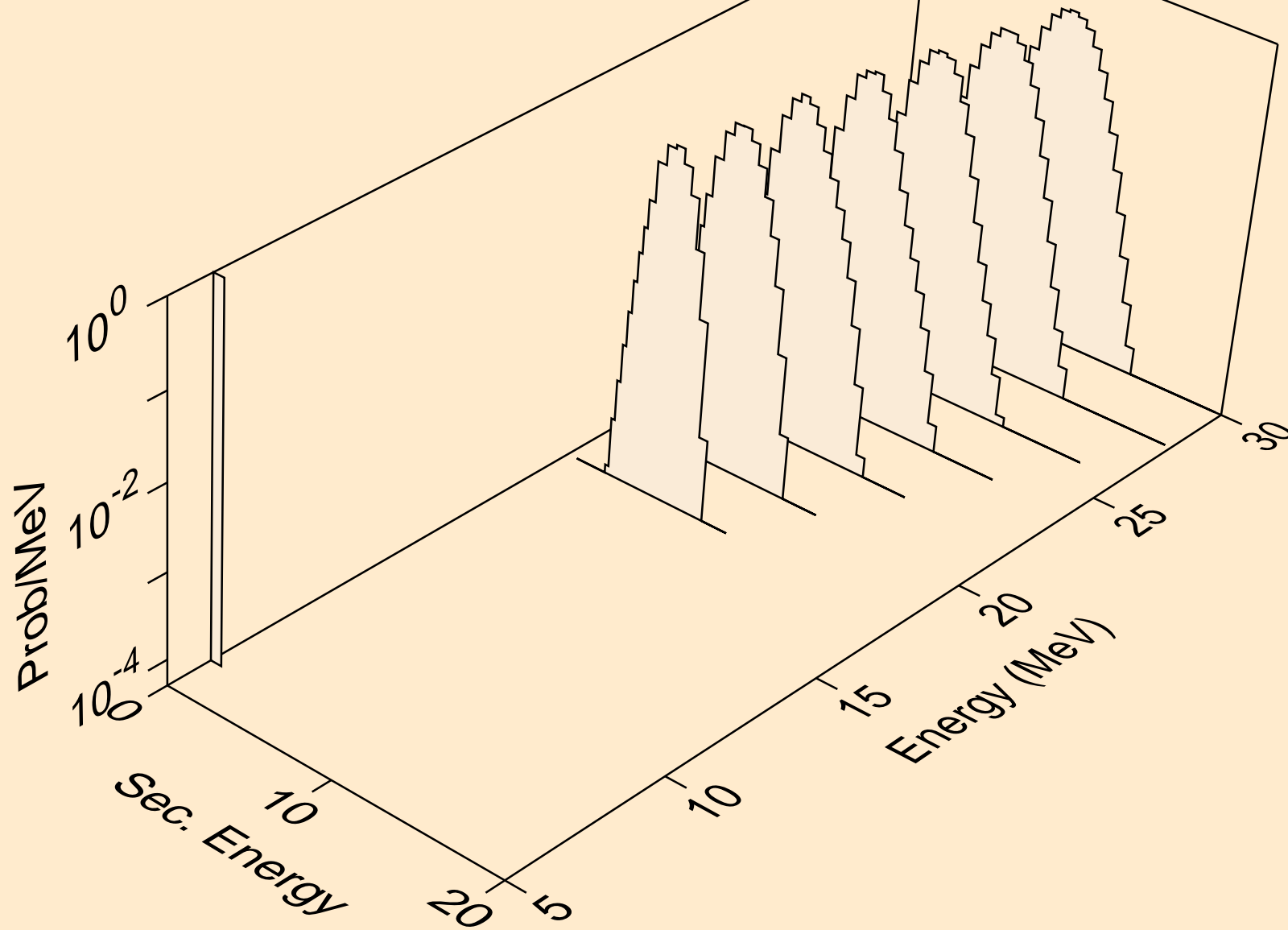
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protons from (n,2p)



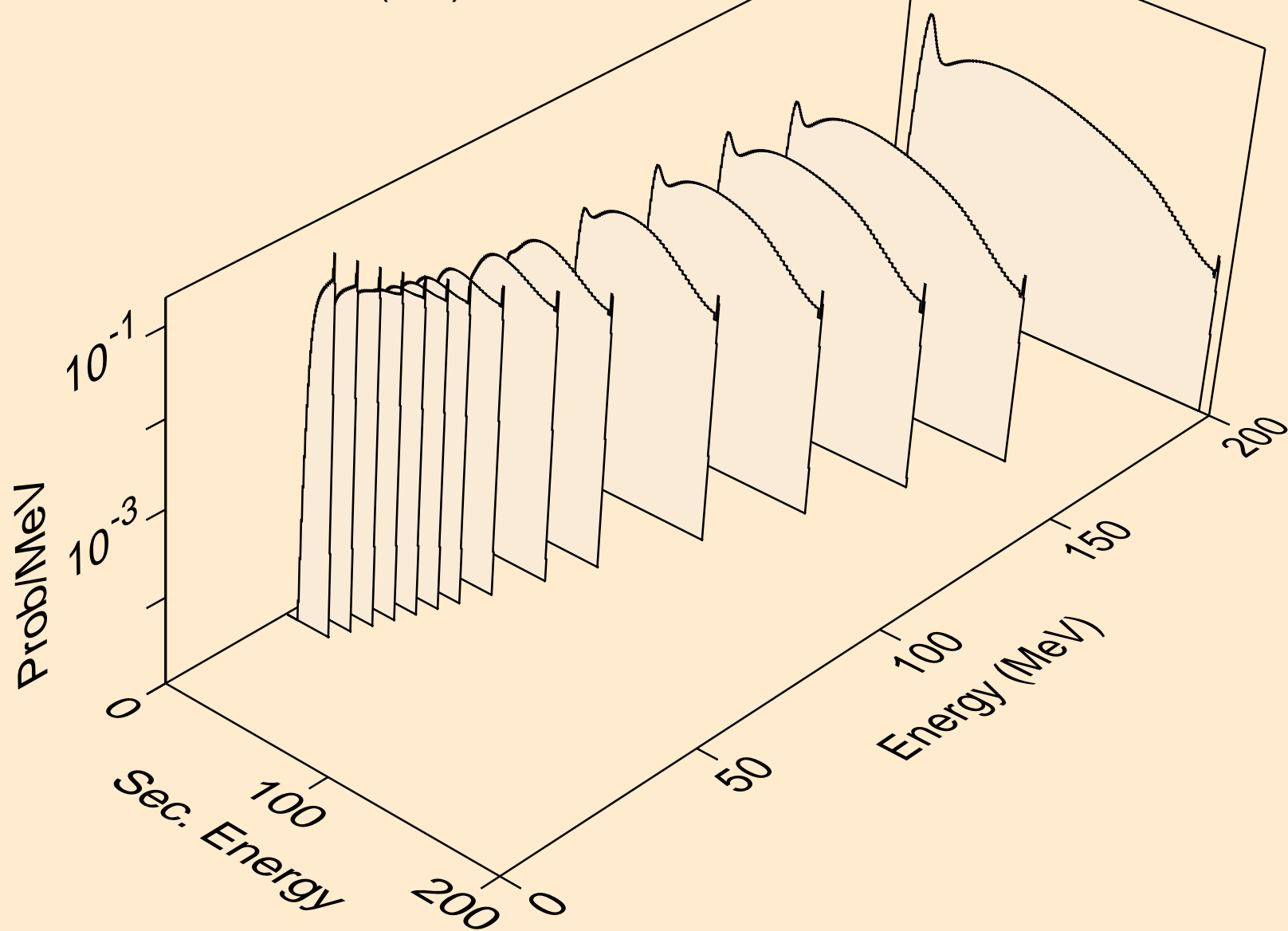
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protons from (n,p)



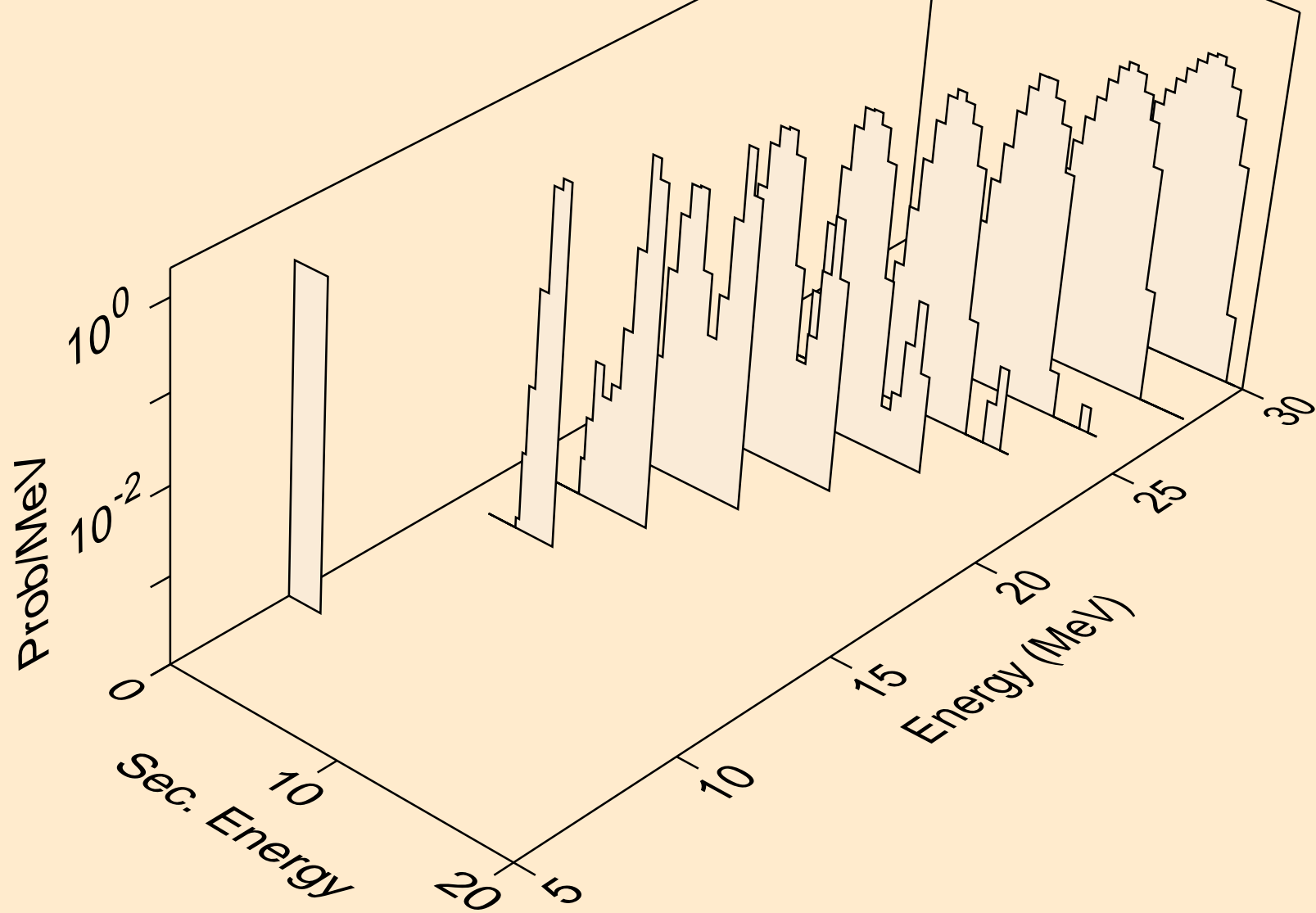
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protons from (n,pd)



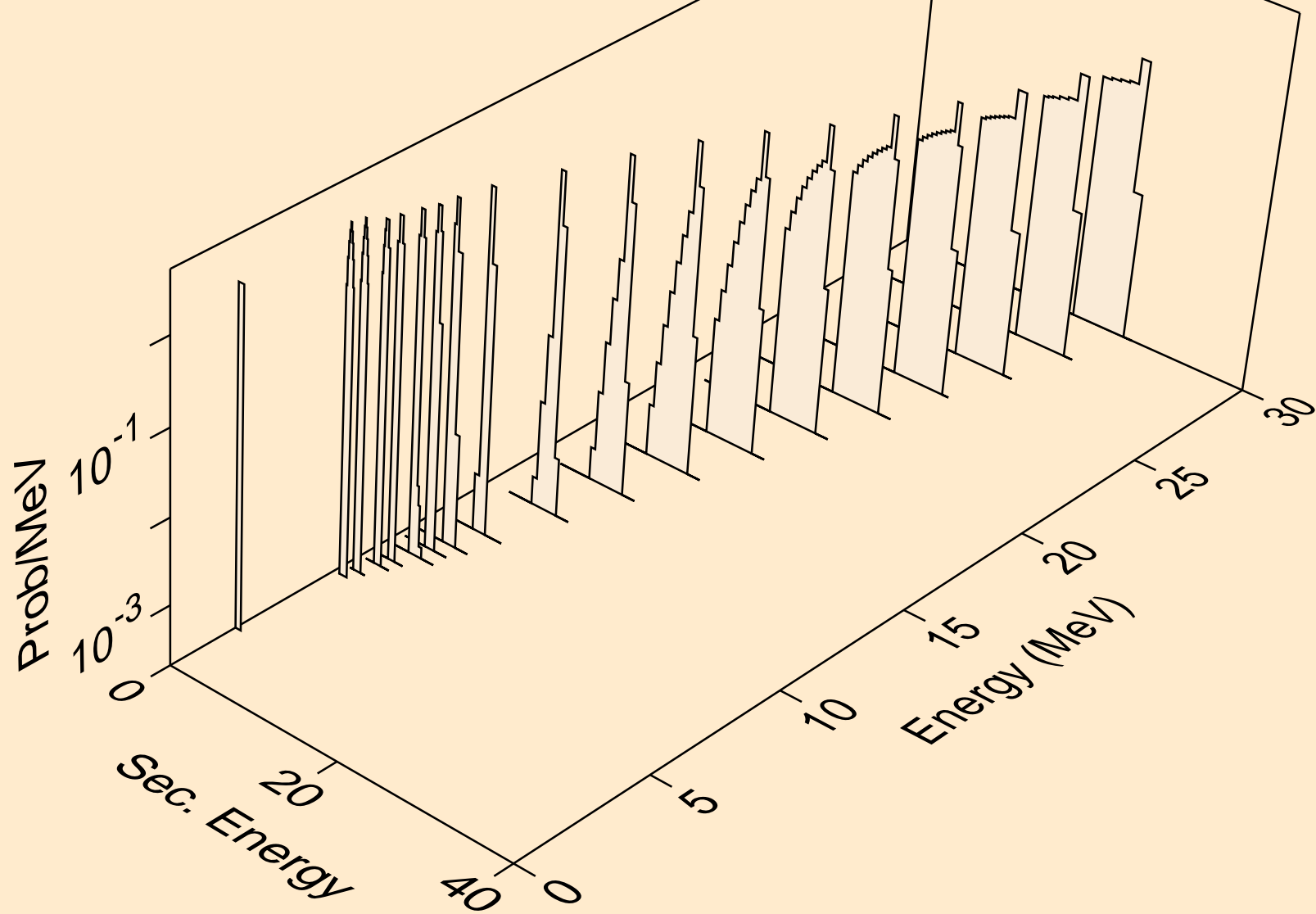
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



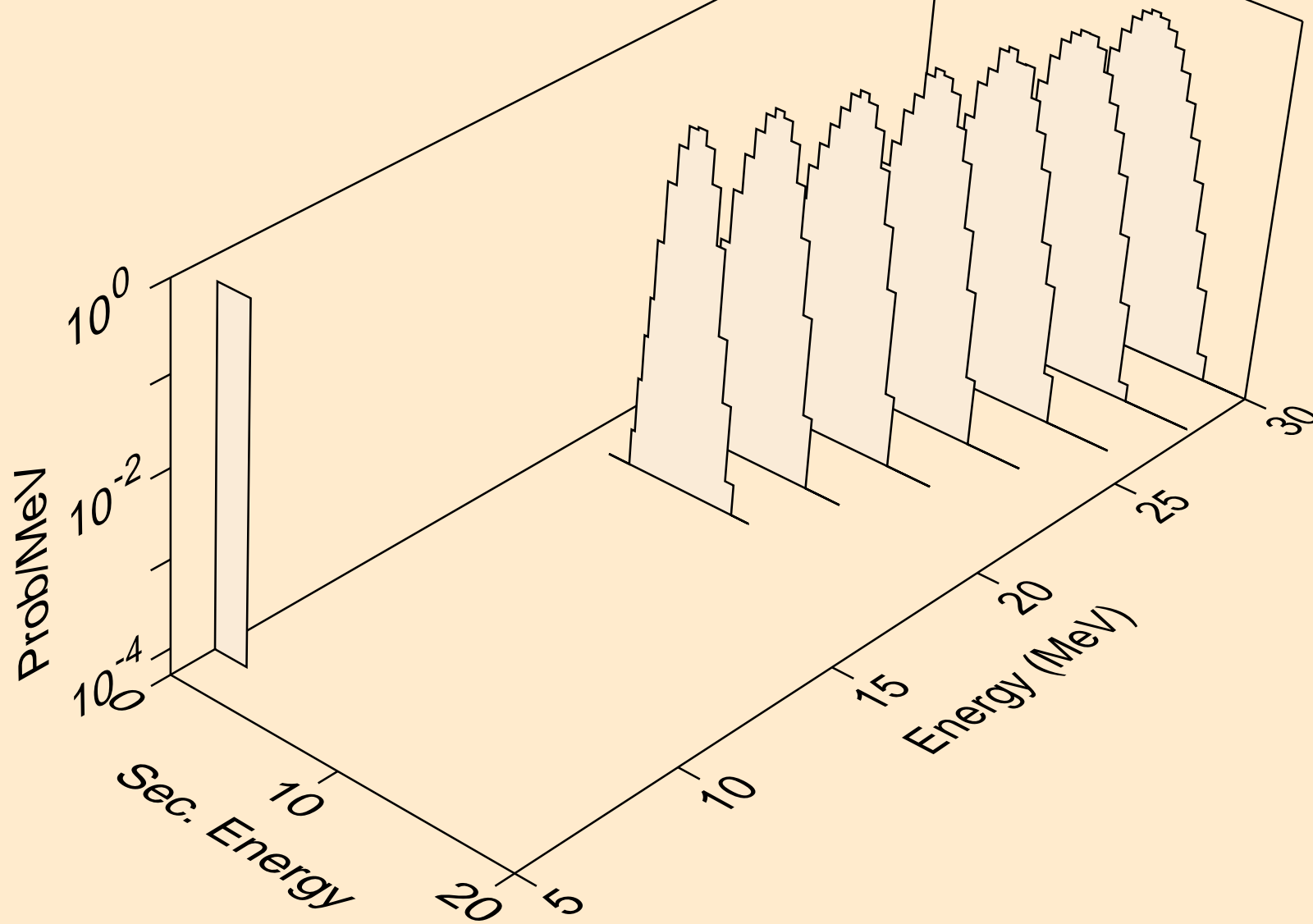
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



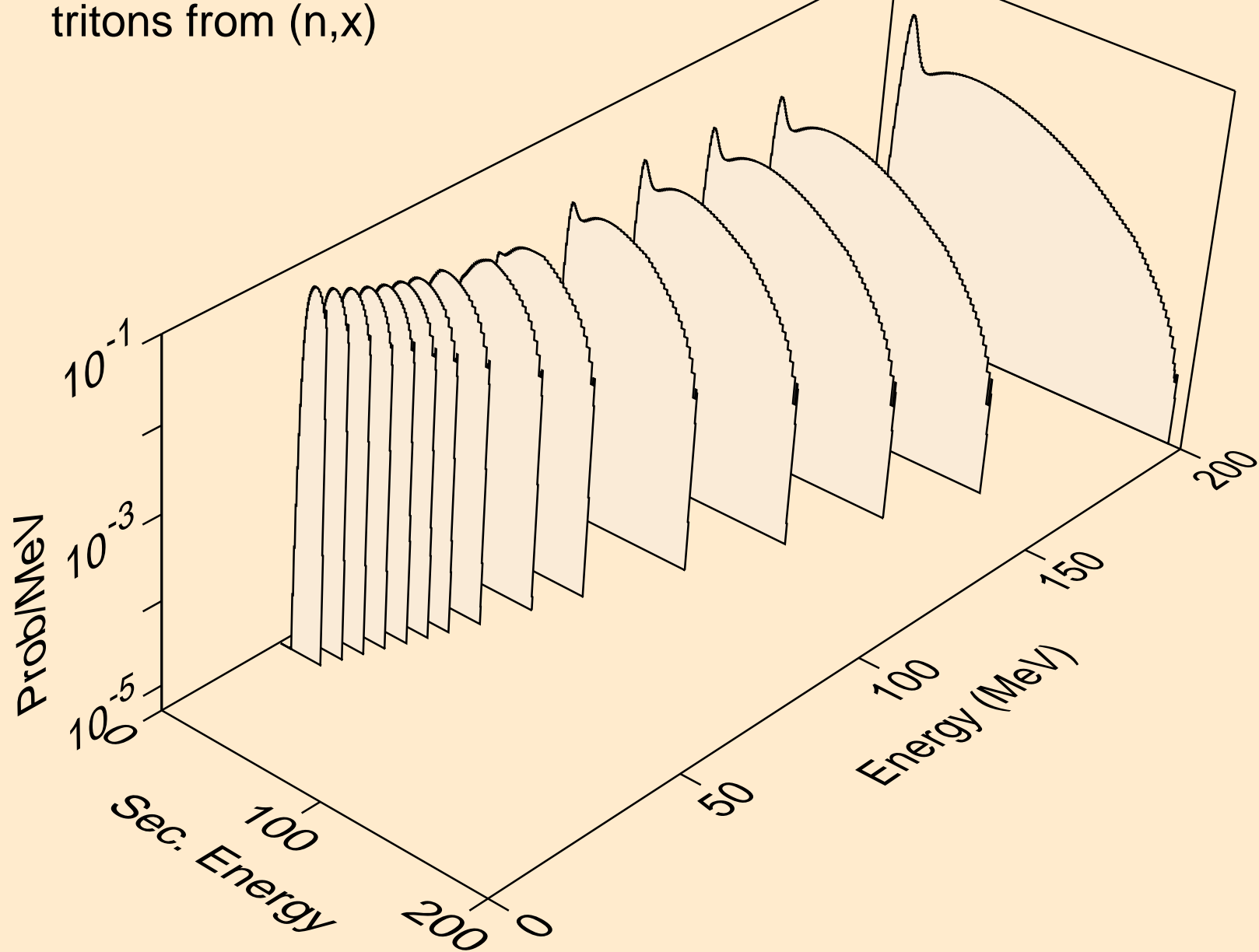
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deuterons from (n,d)



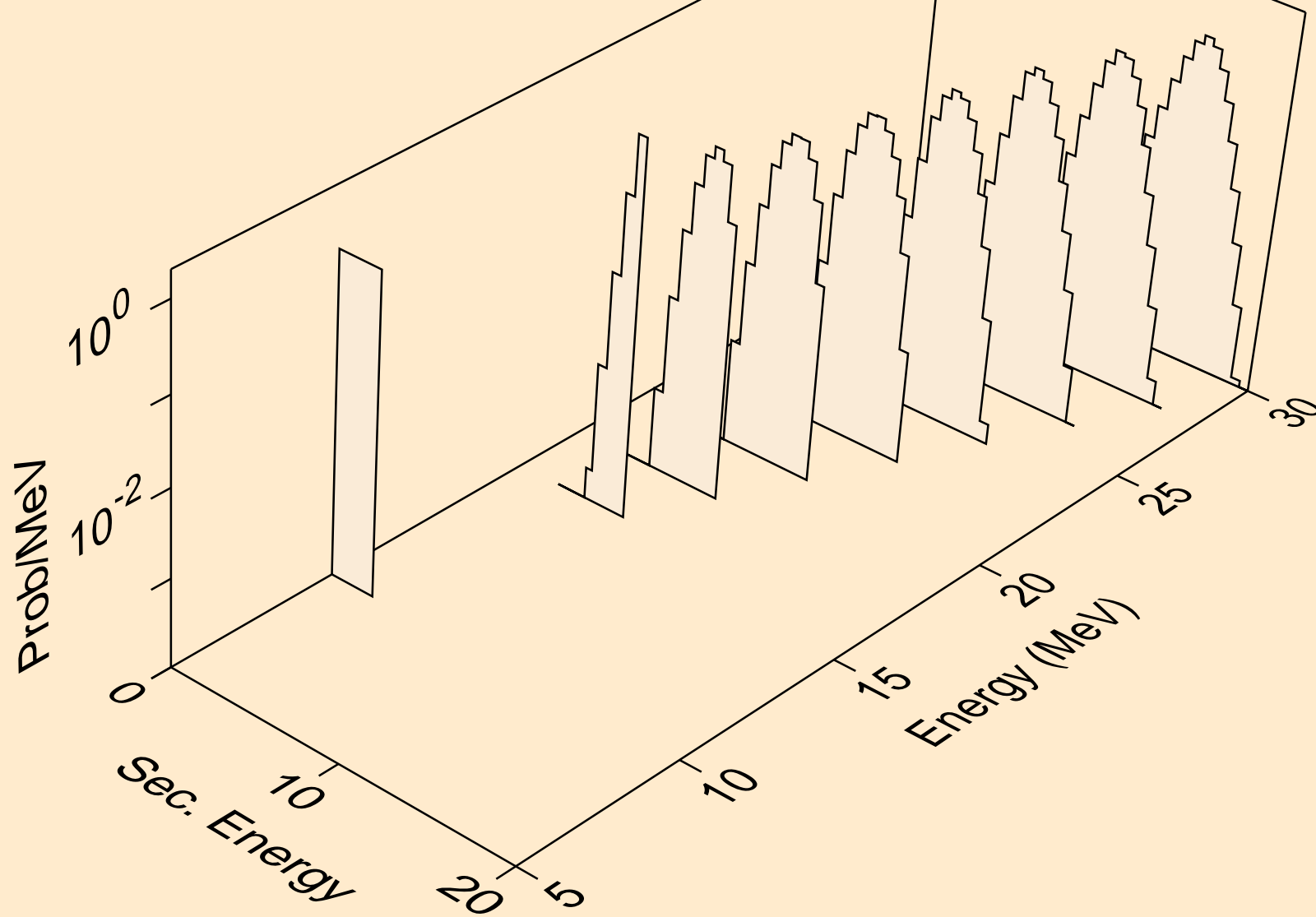
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



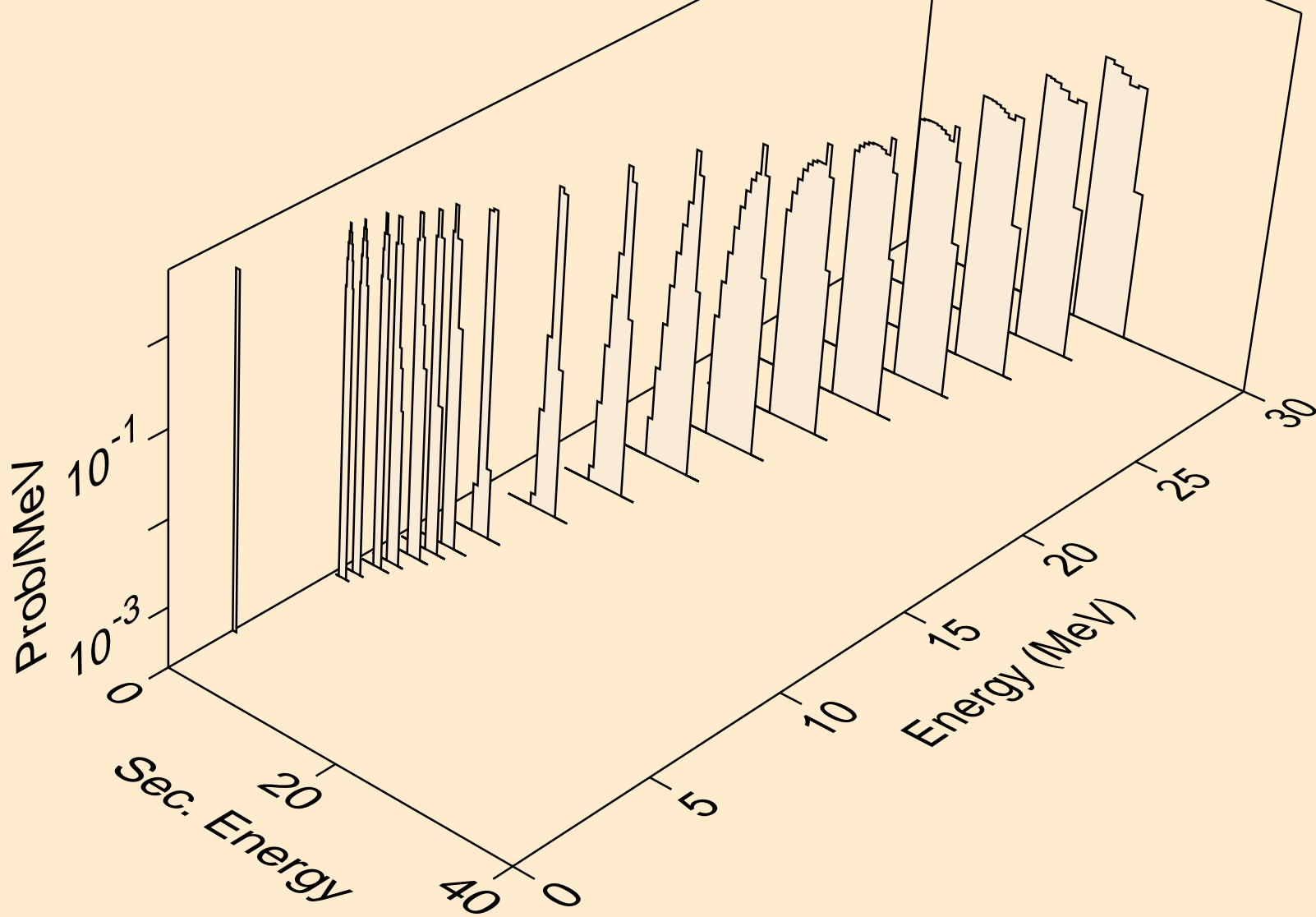
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



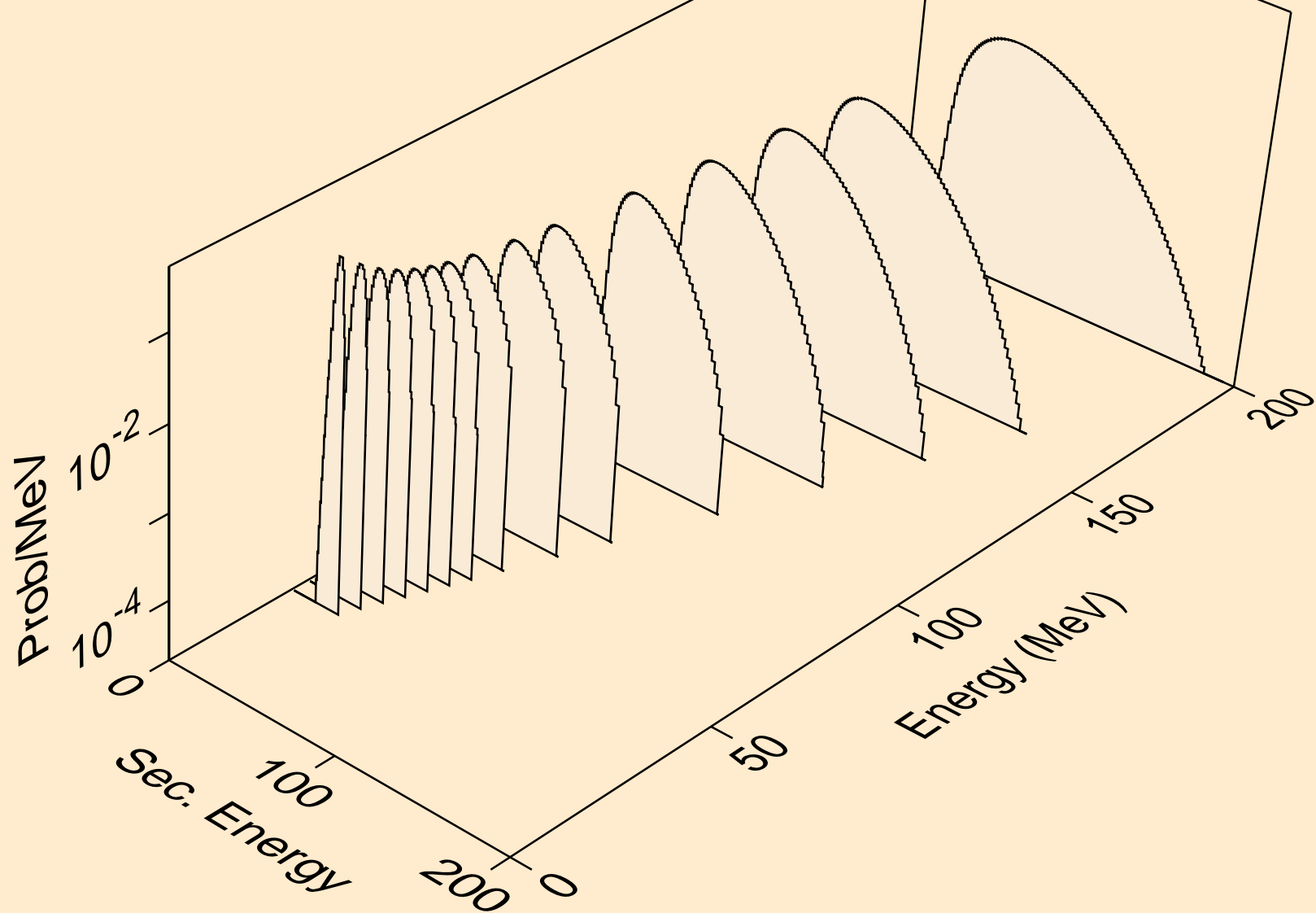
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



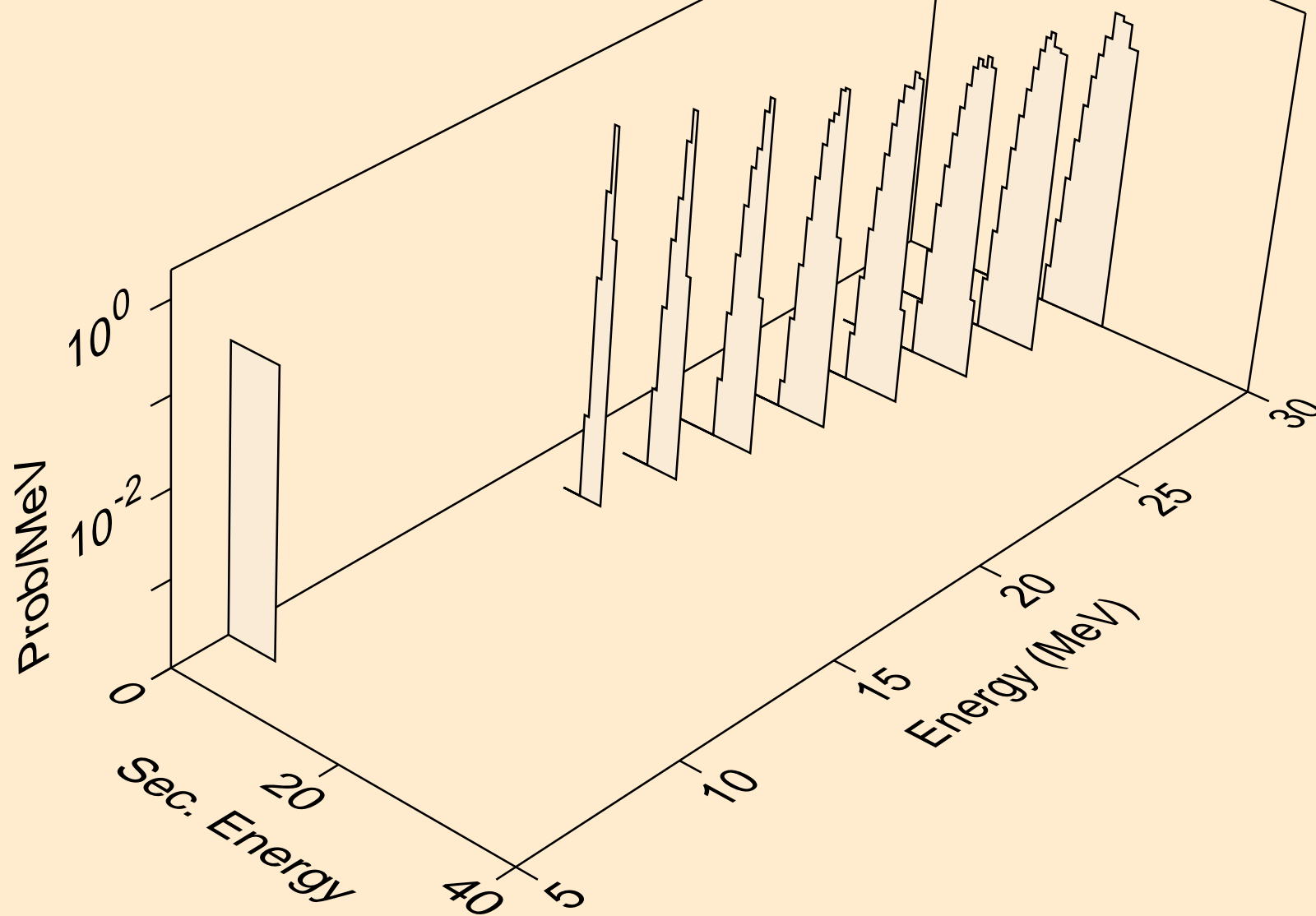
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



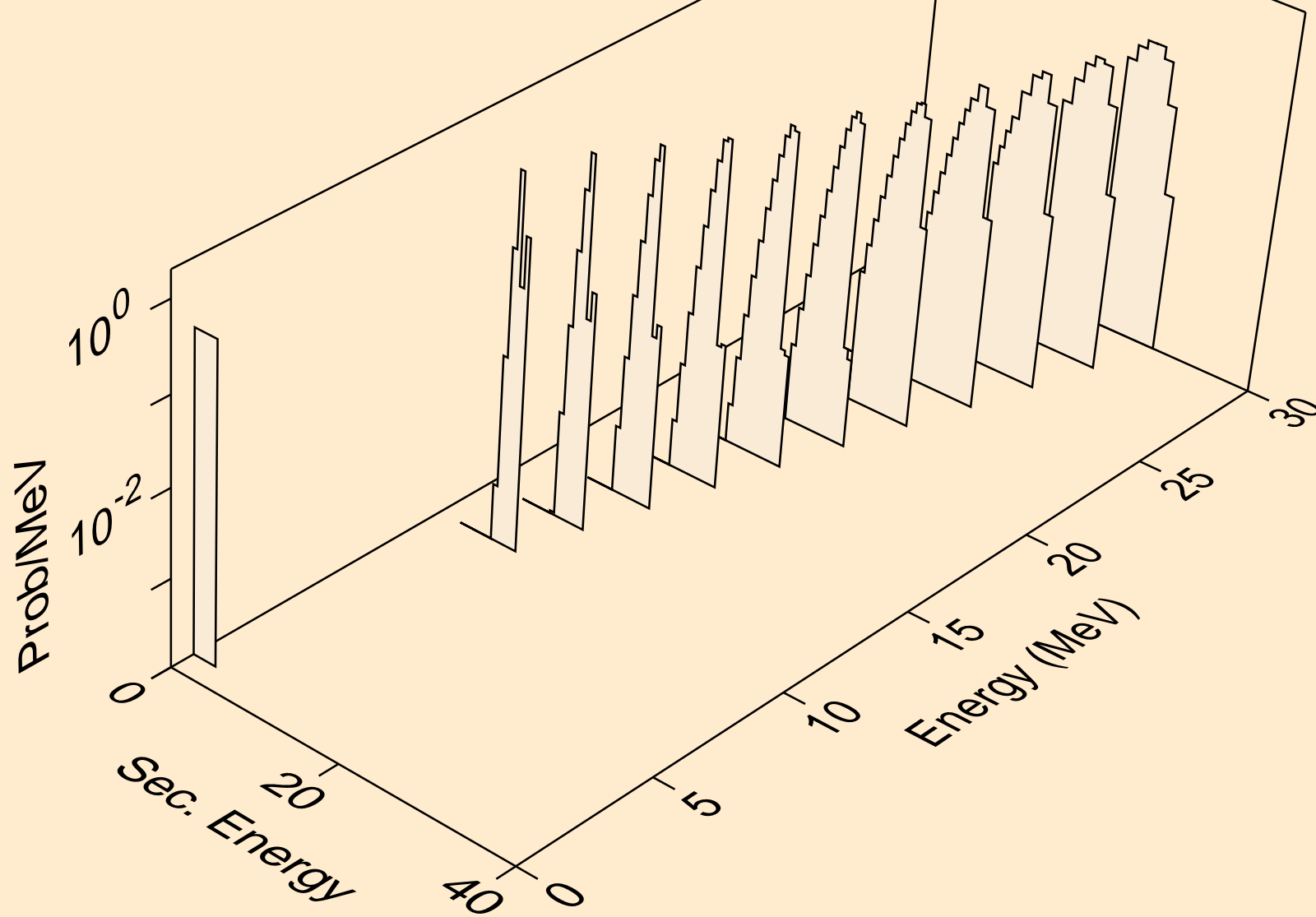
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he3s from (n,x)



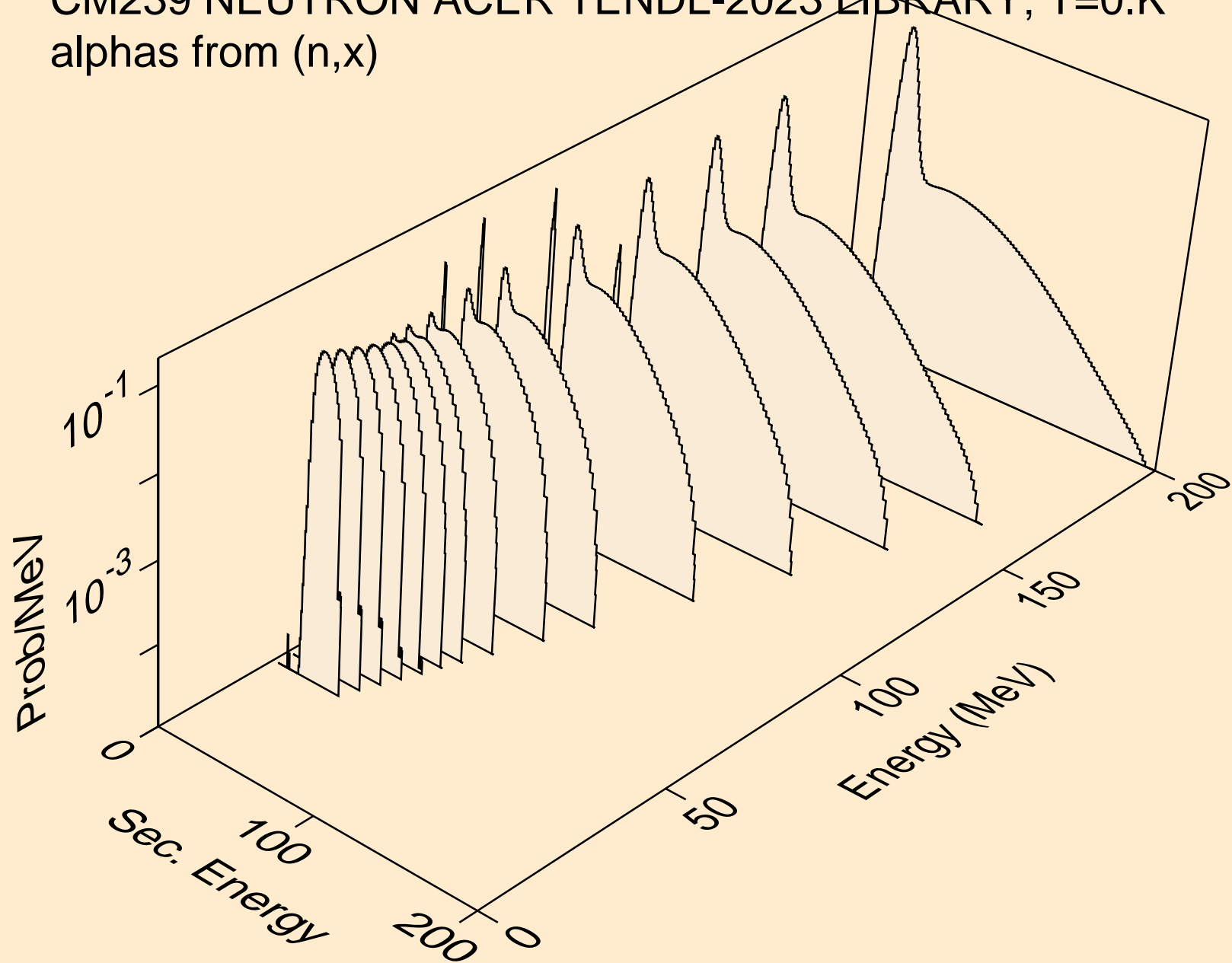
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he3s from (n,n\*)he3



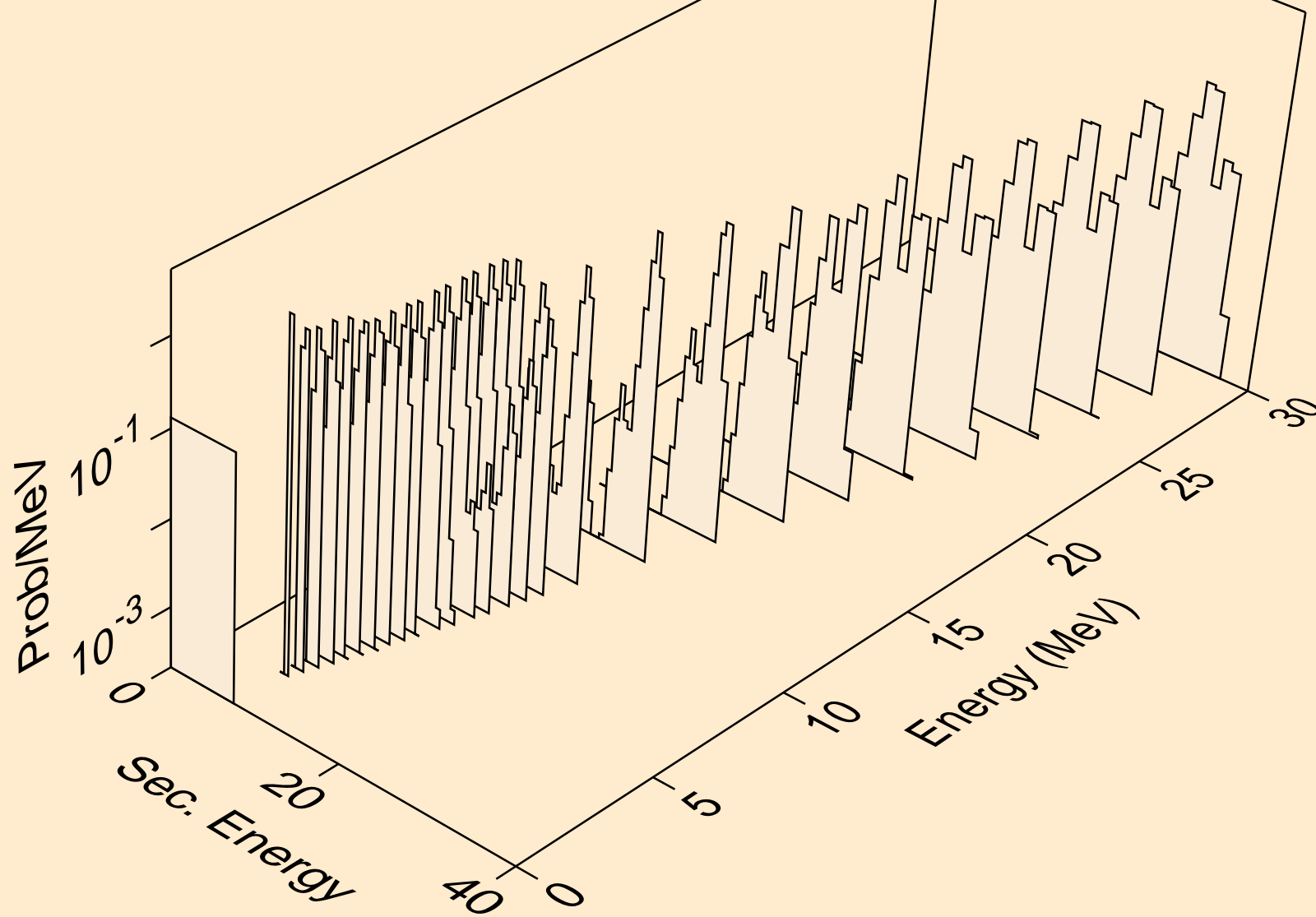
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he3s from (n,he3)



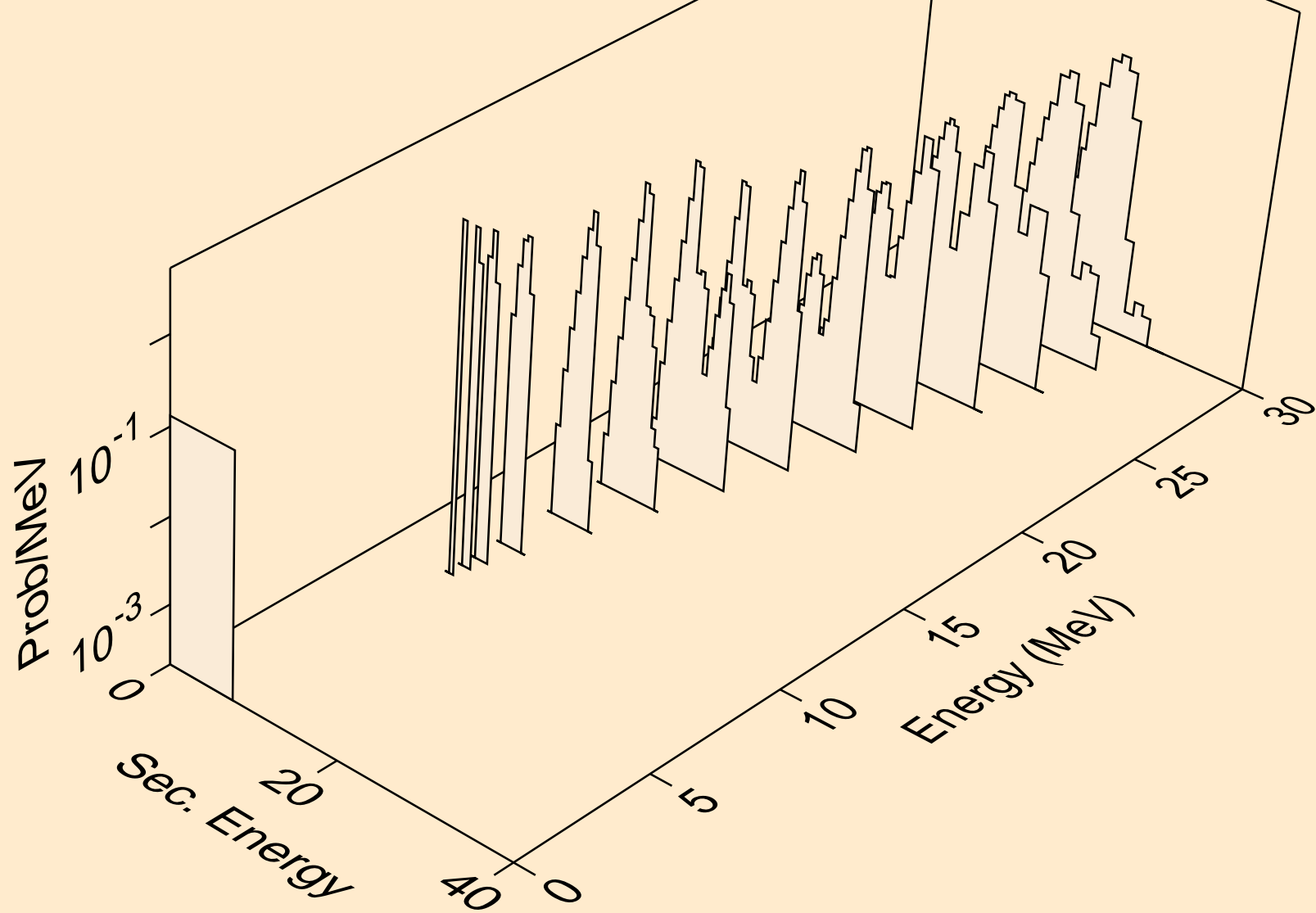
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



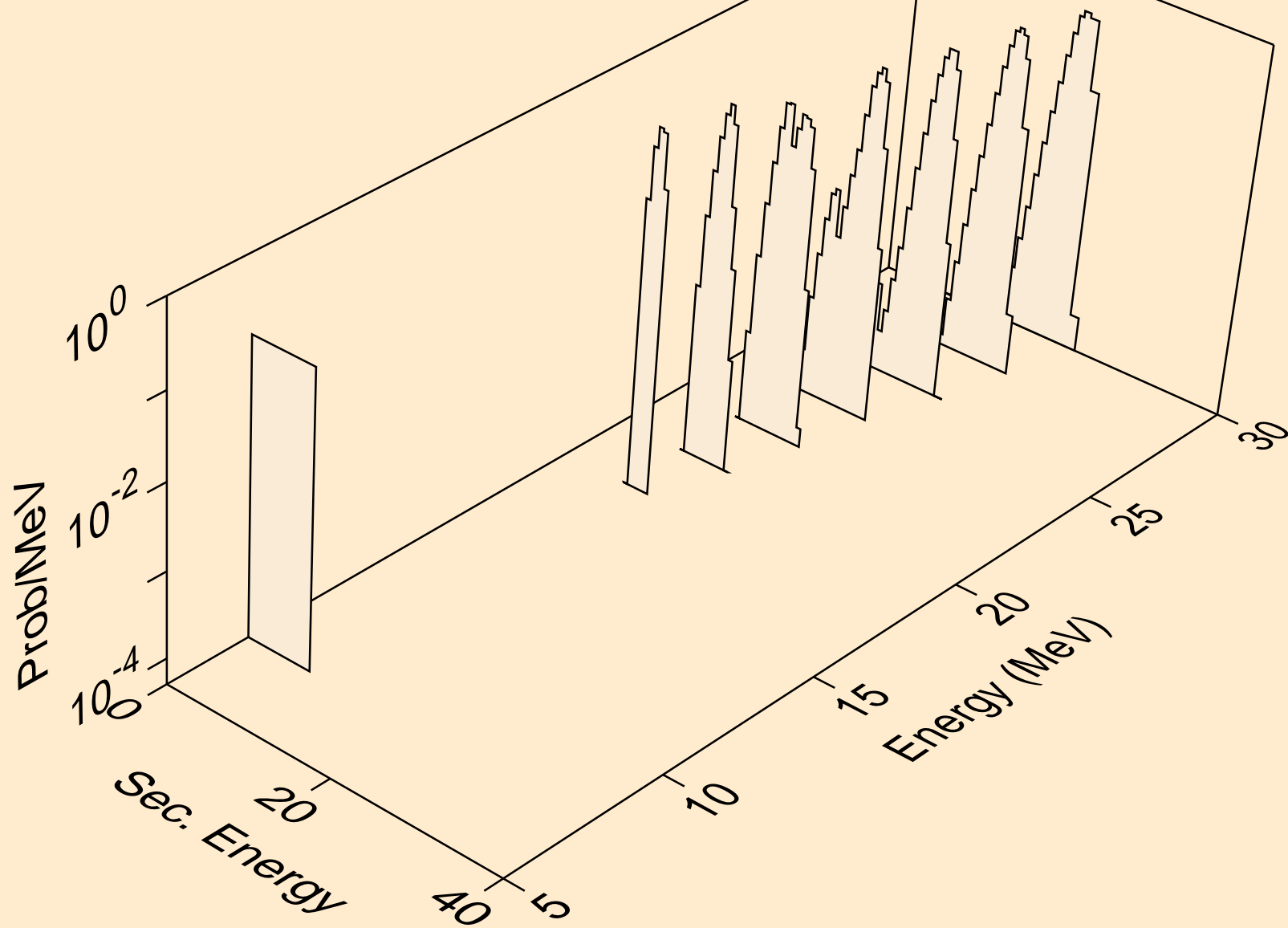
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alphas from (n,n\*)a



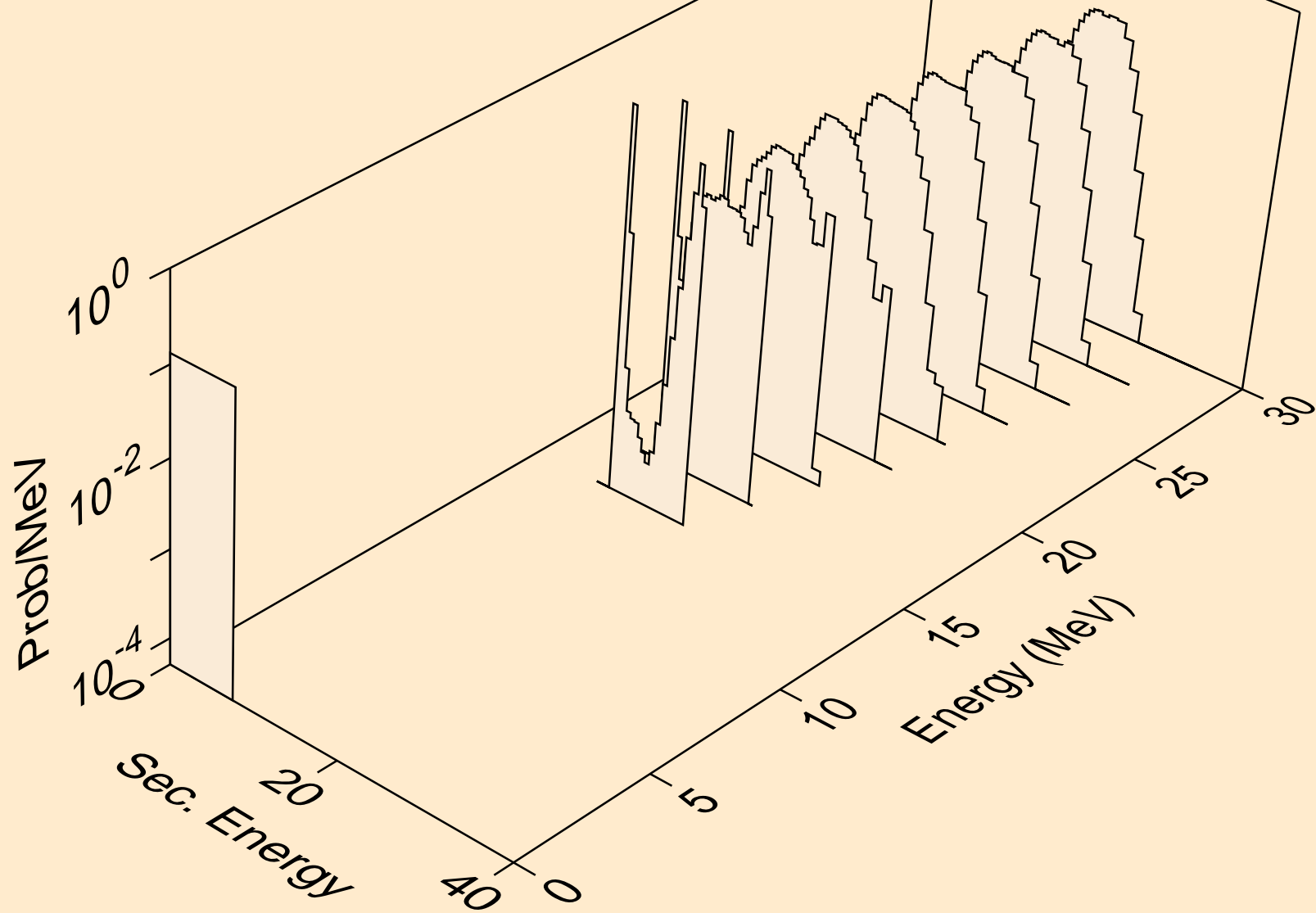
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



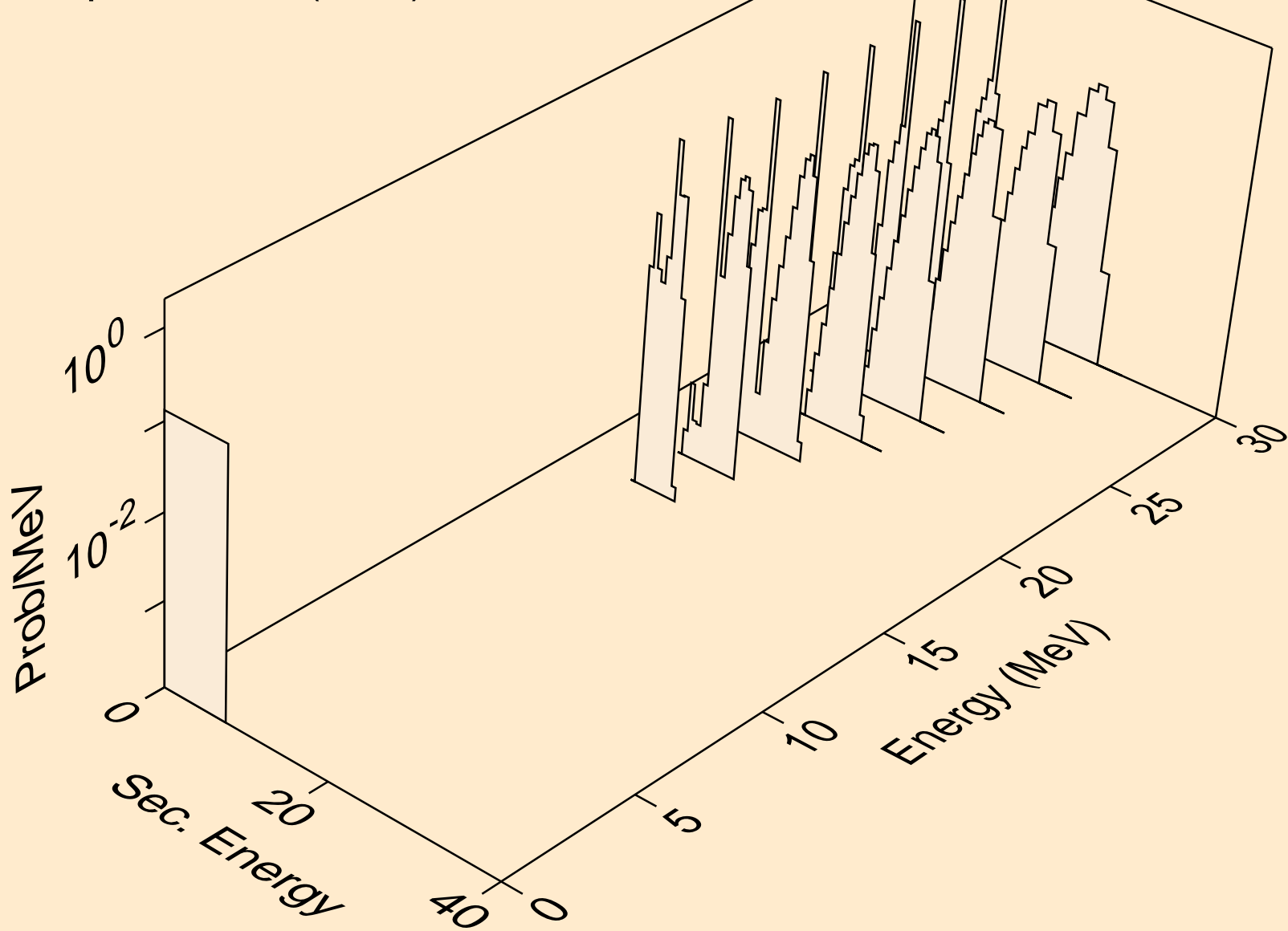
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



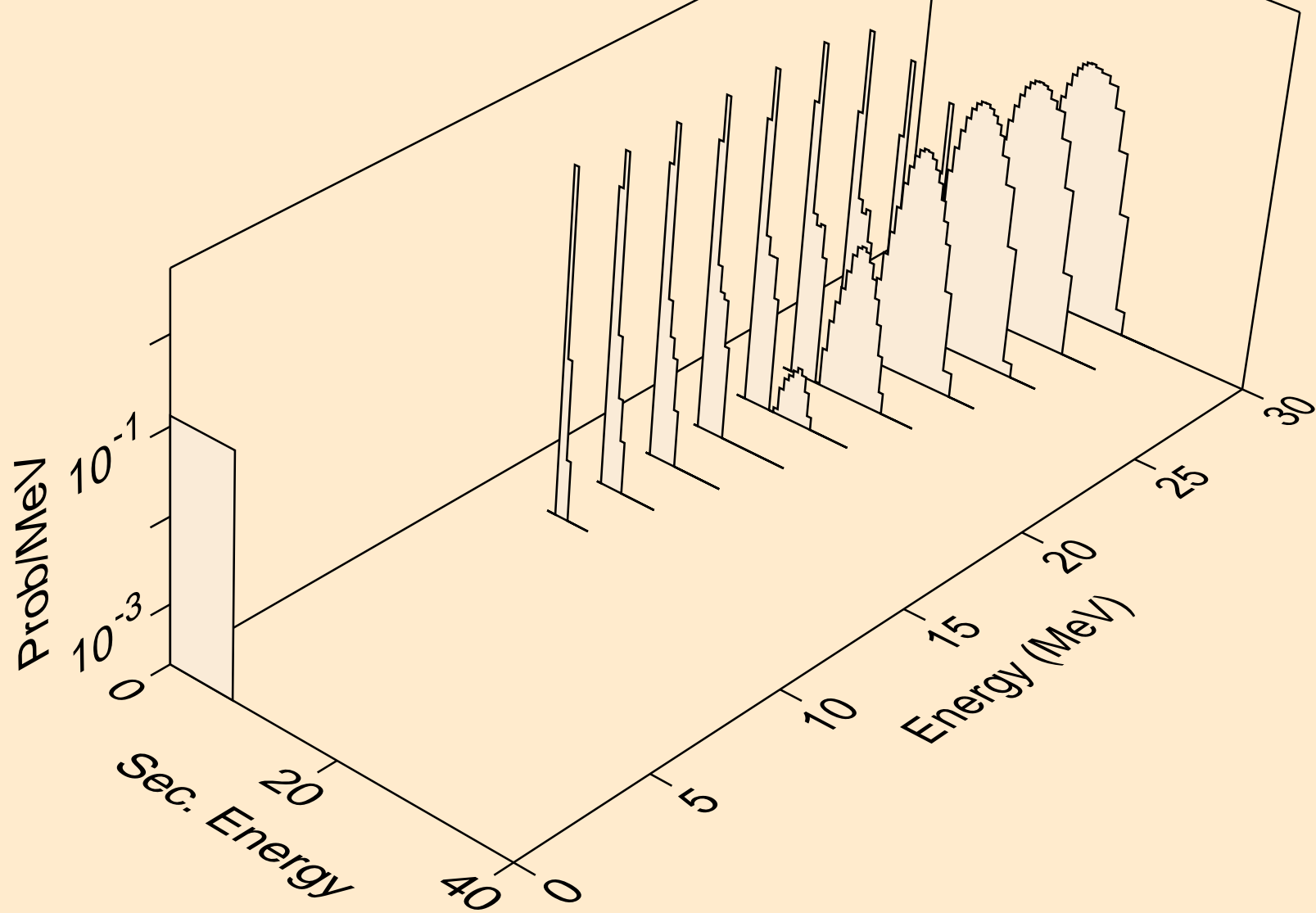
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



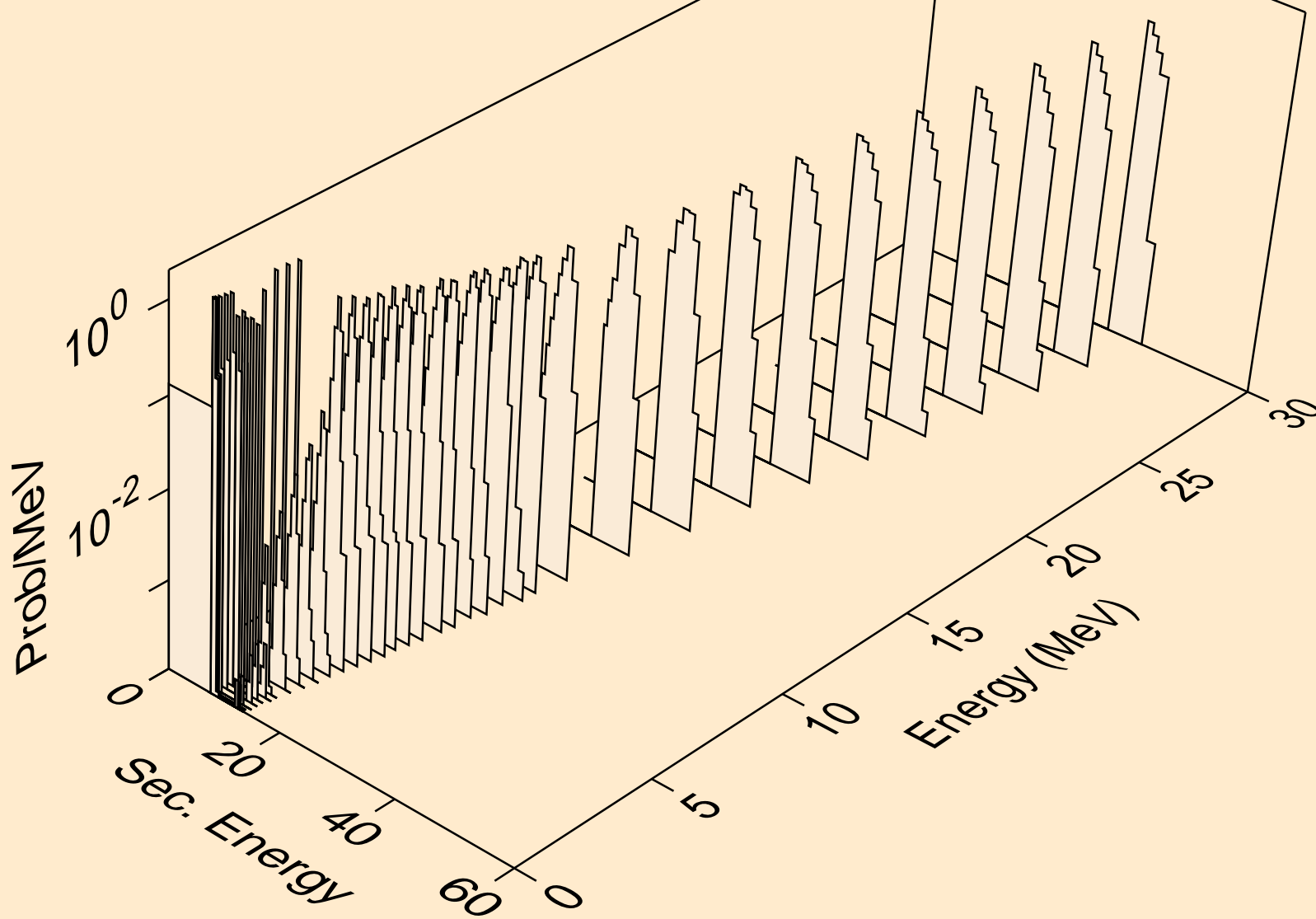
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



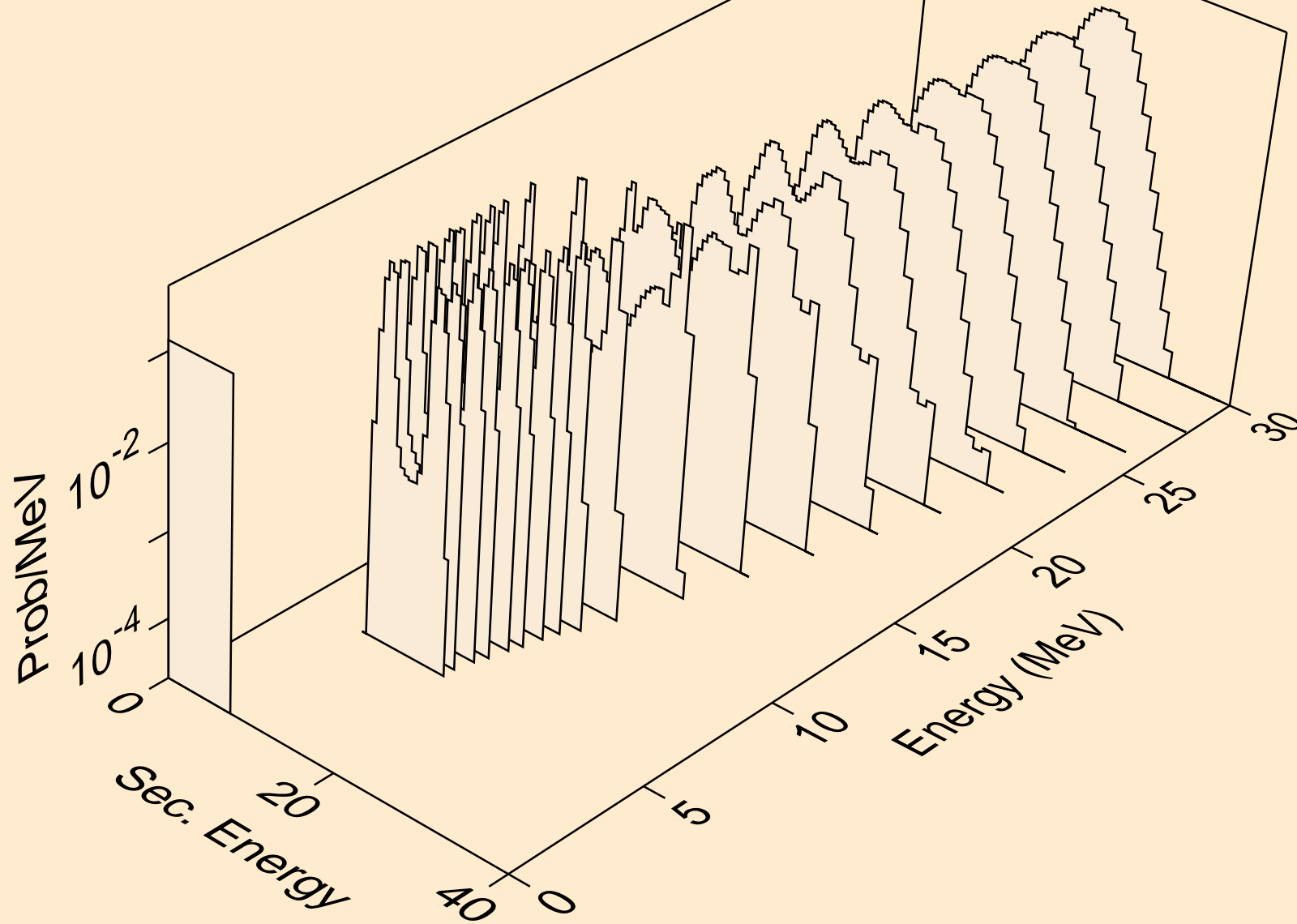
CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



CM239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

