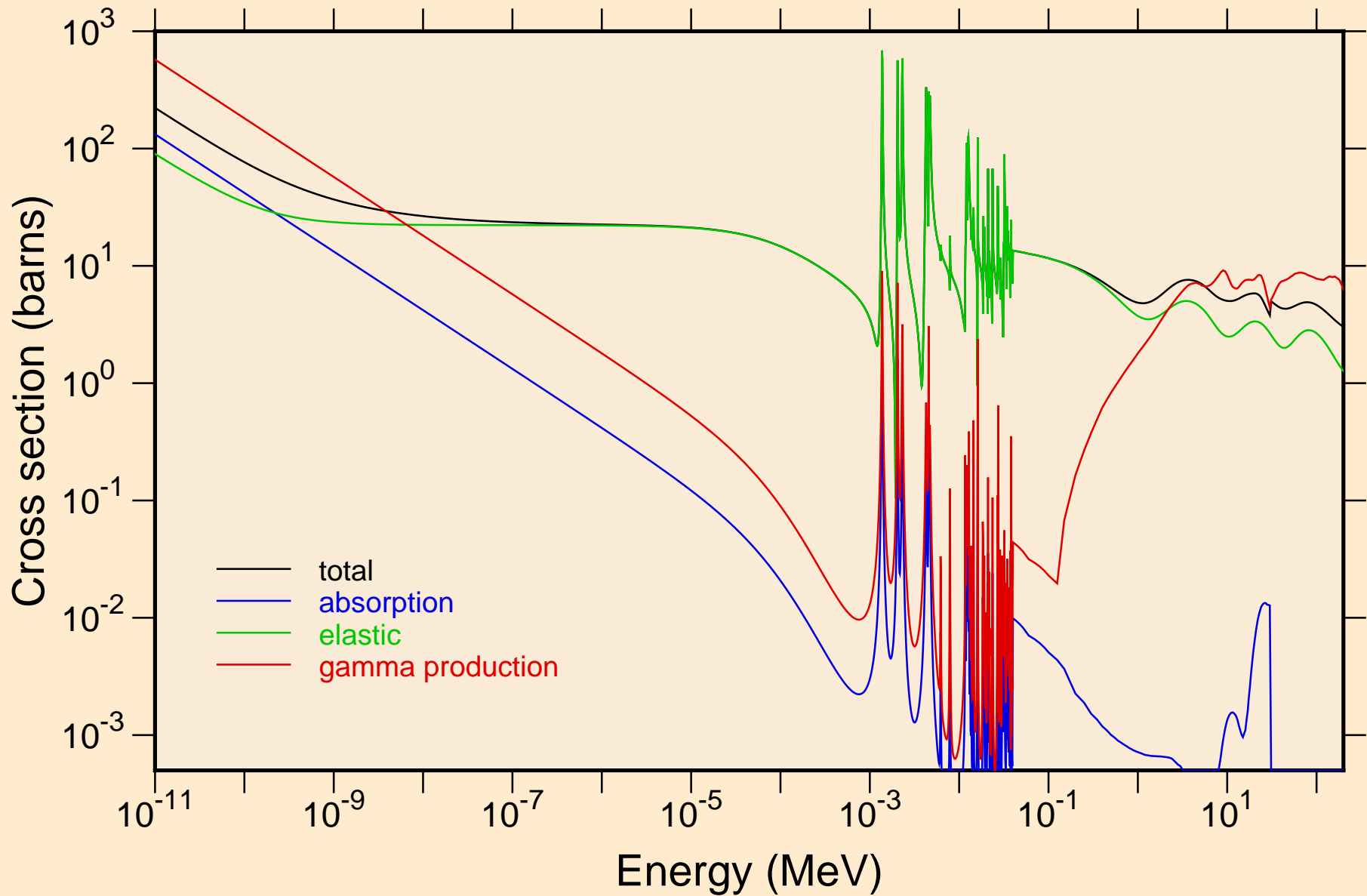
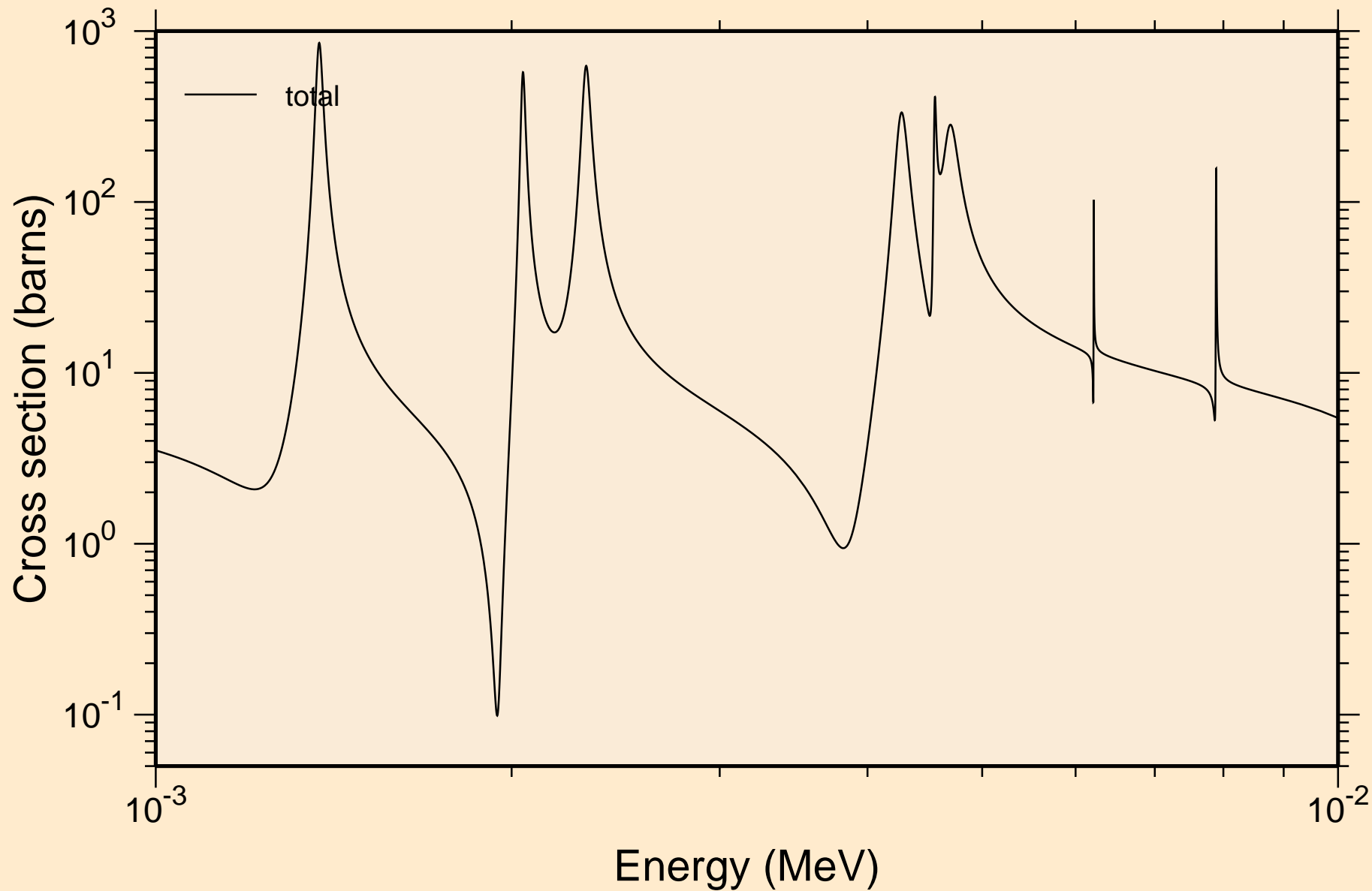


# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

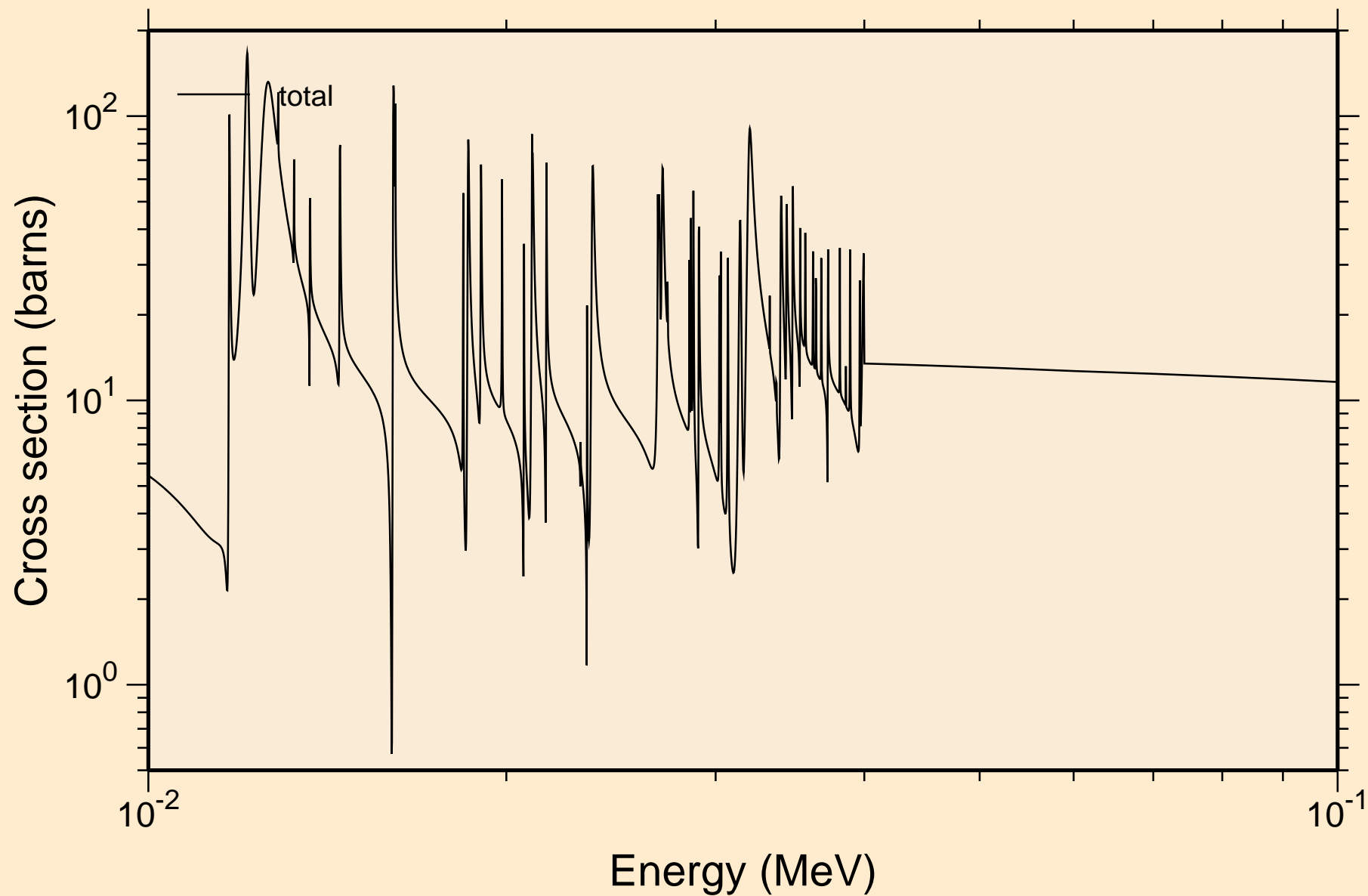
## Principal cross sections



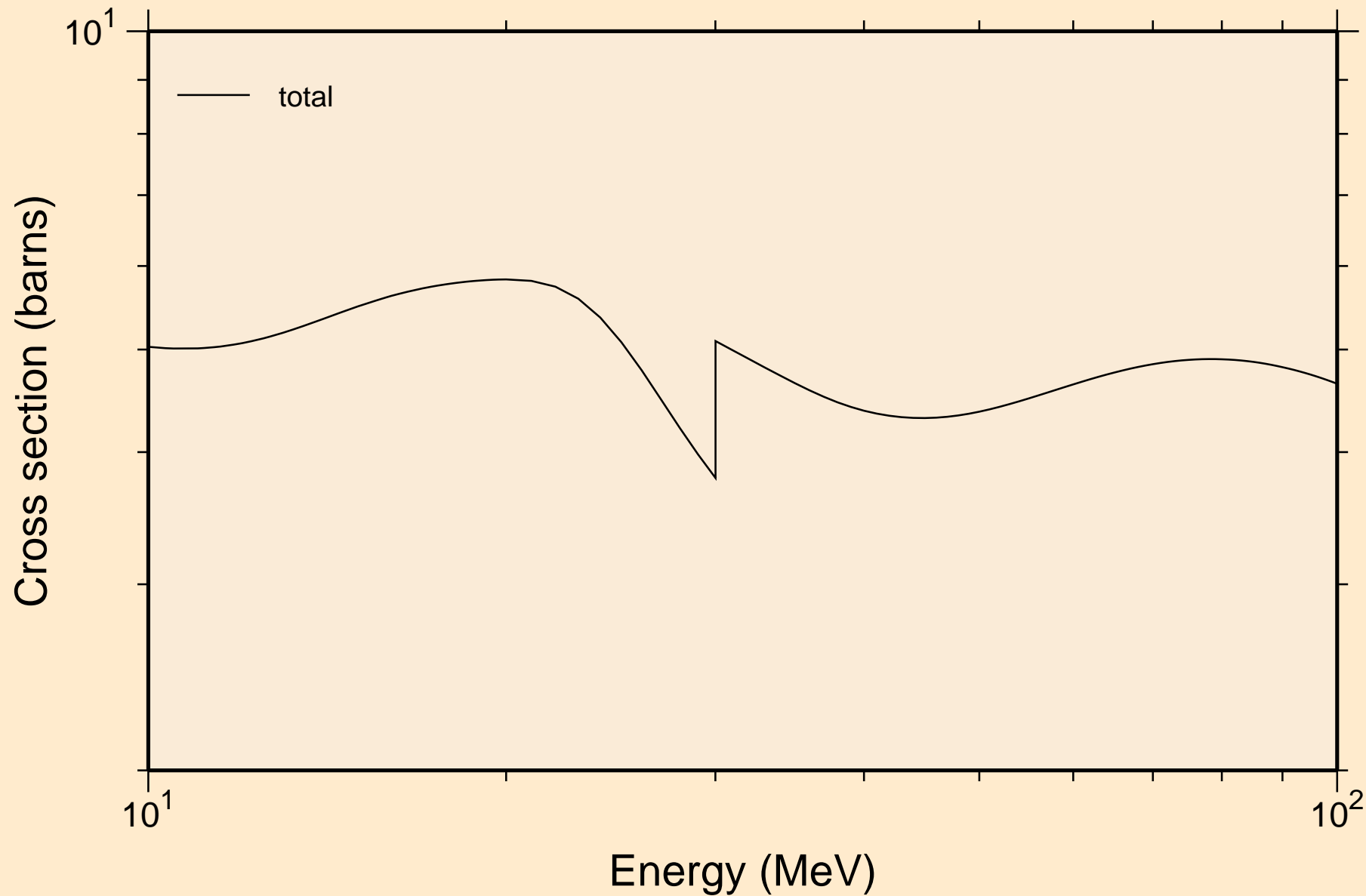
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



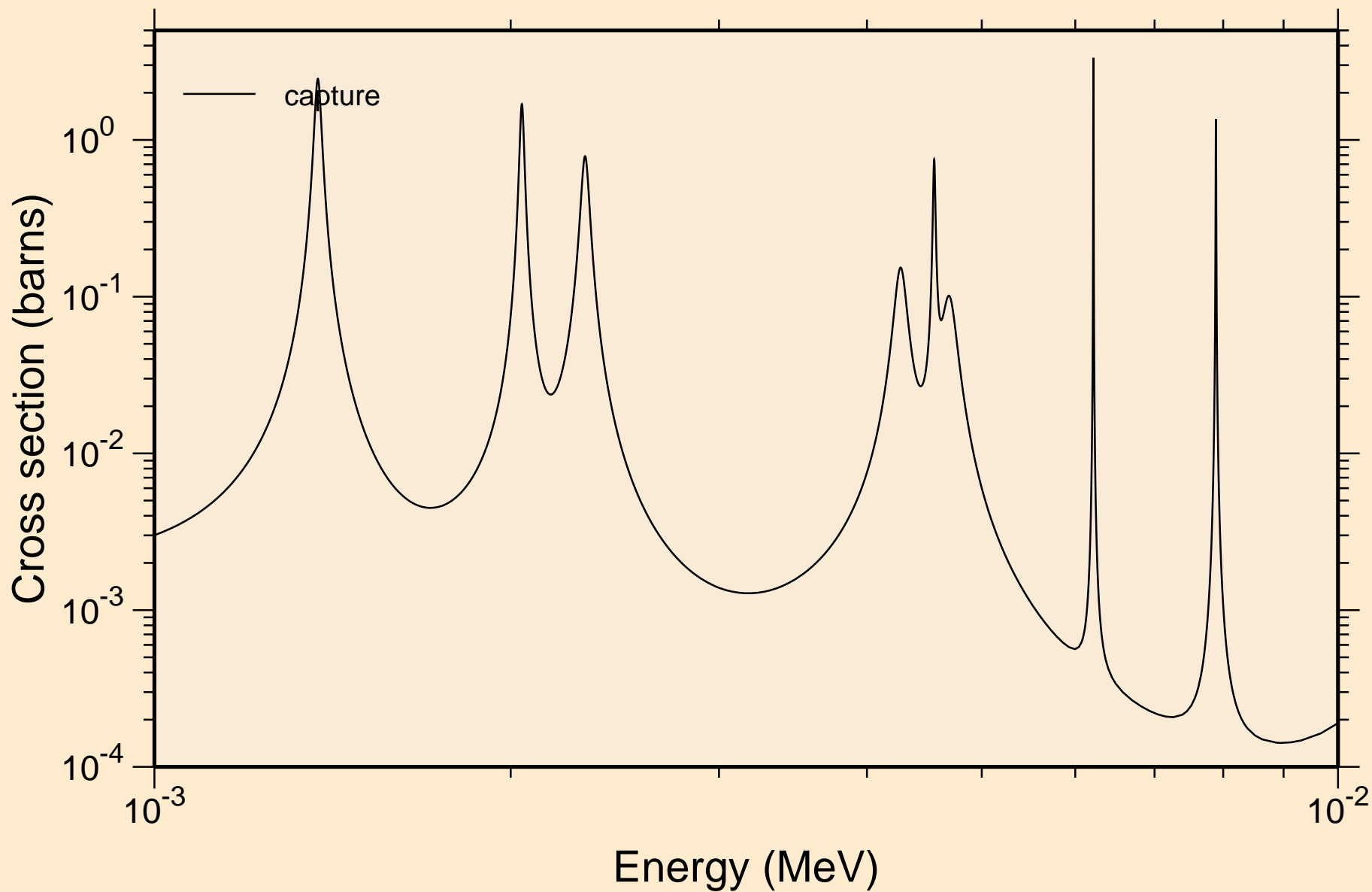
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resonance total cross section



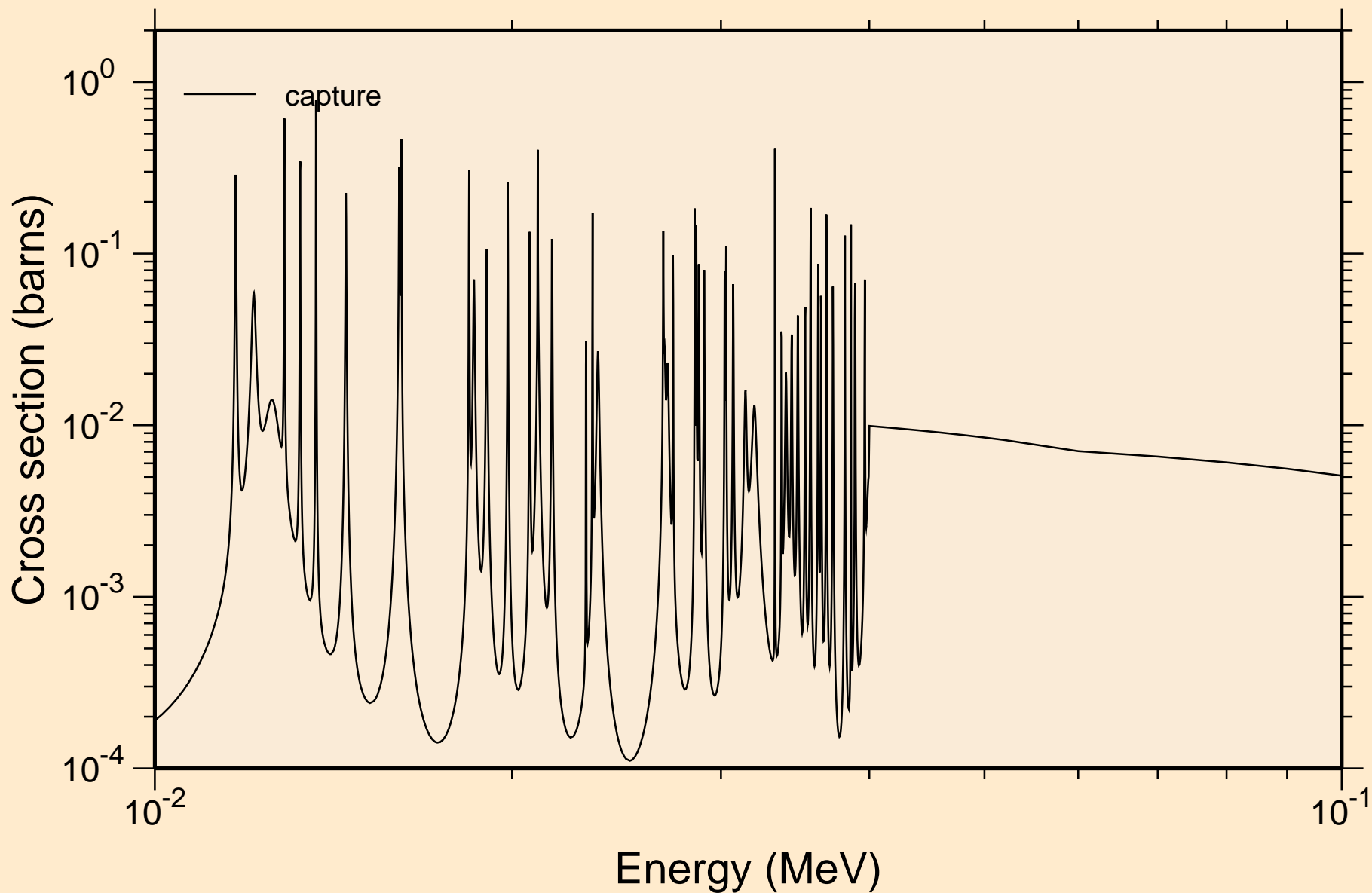
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



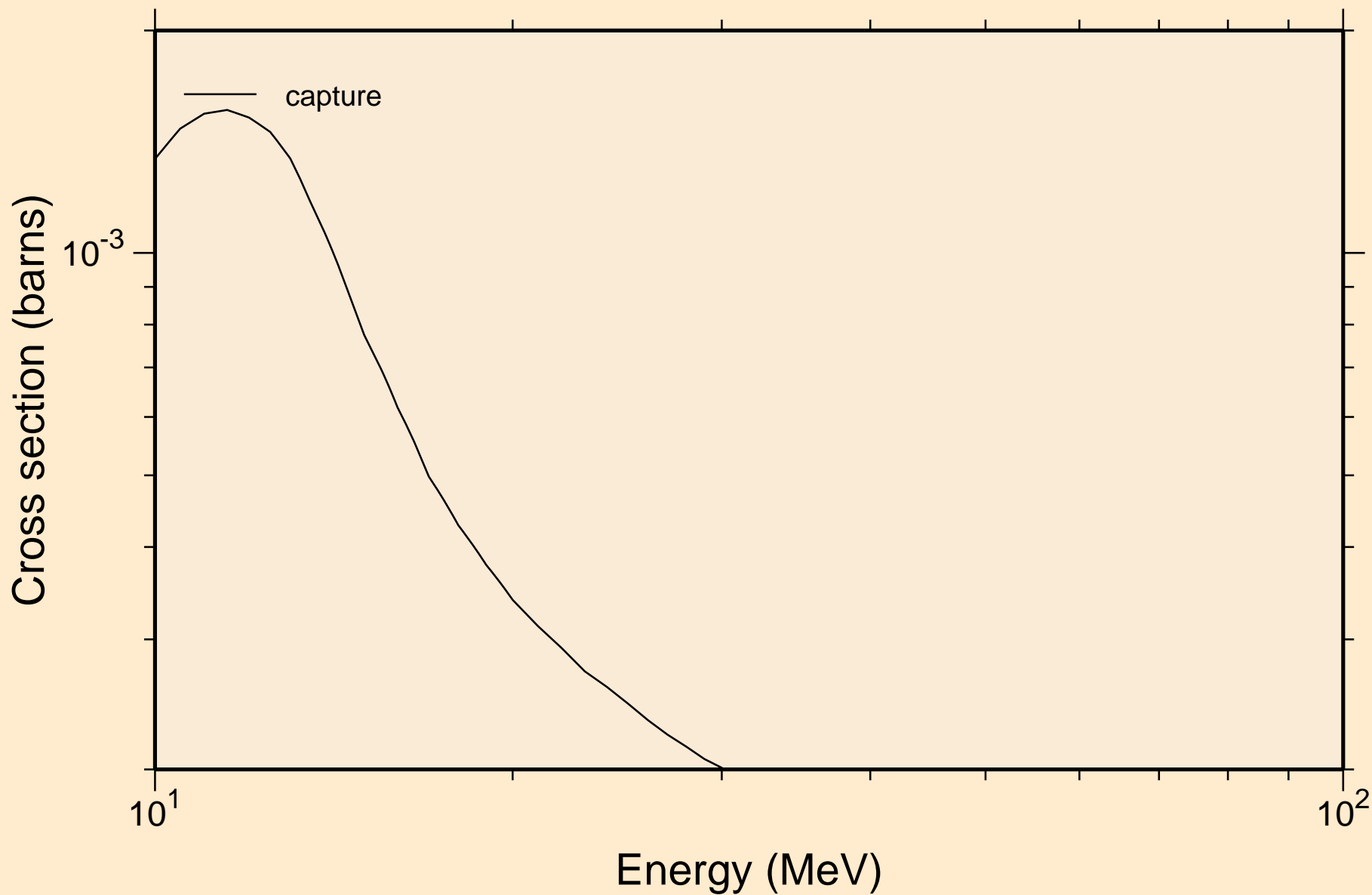
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



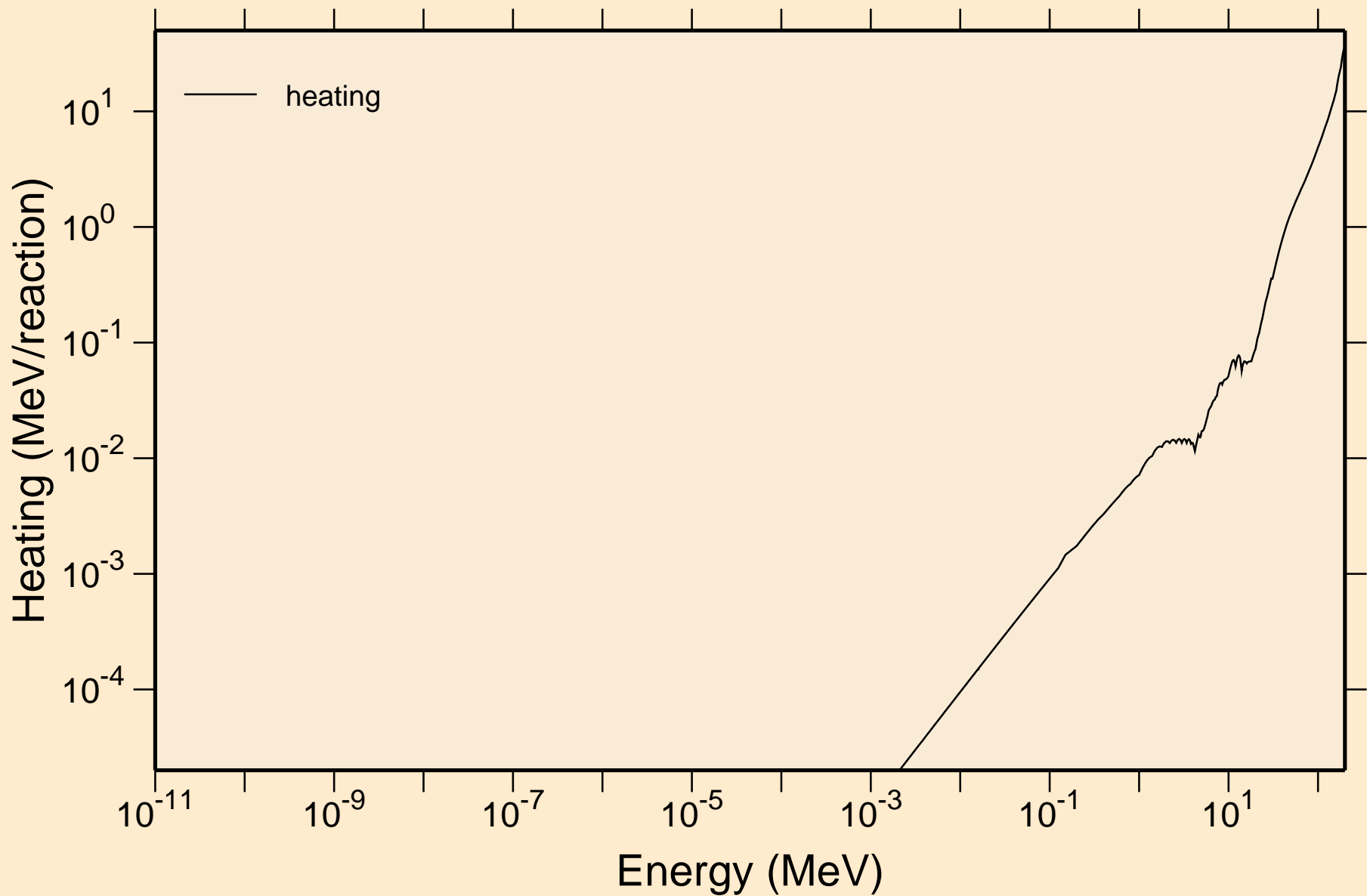
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

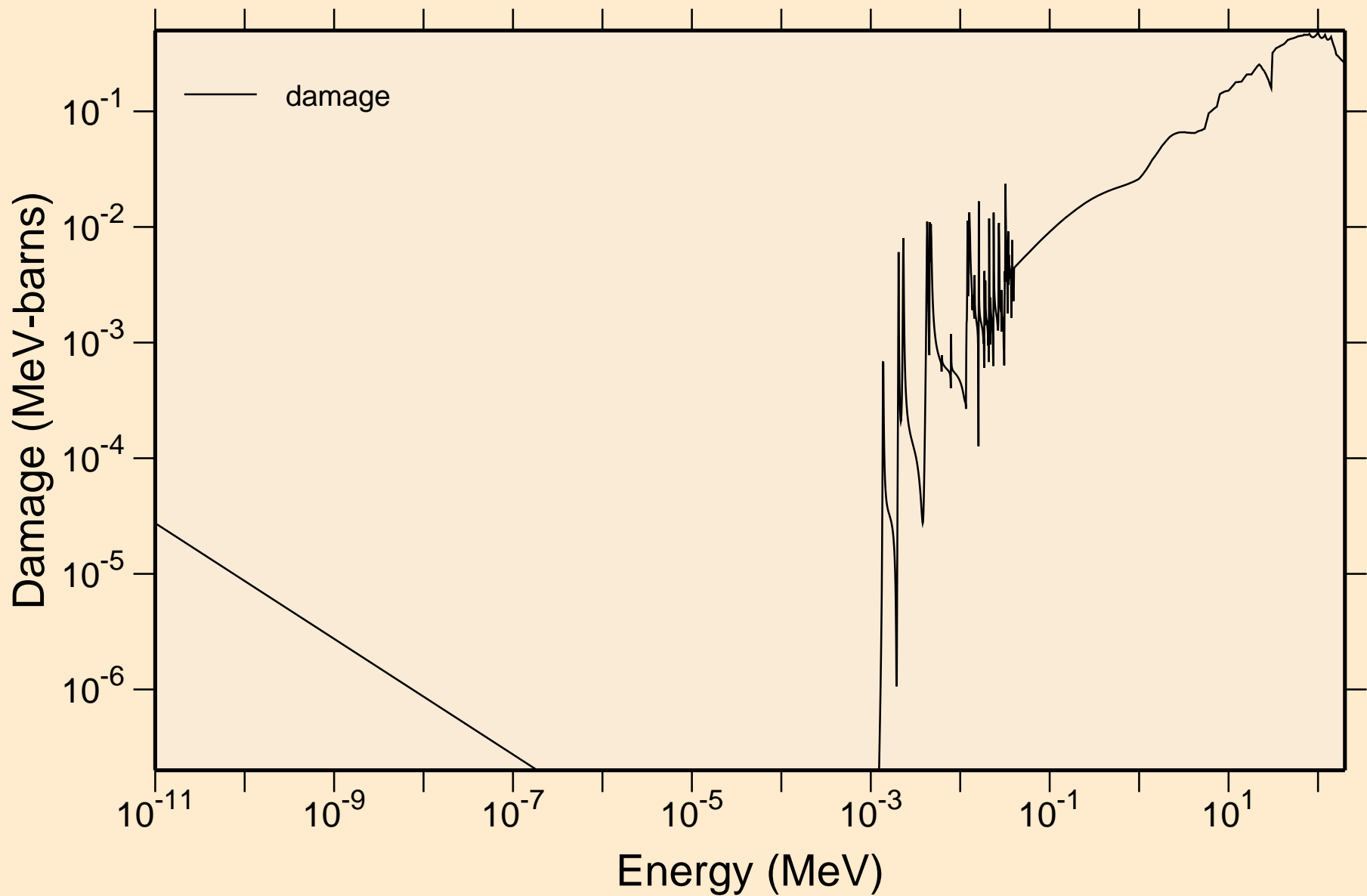


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



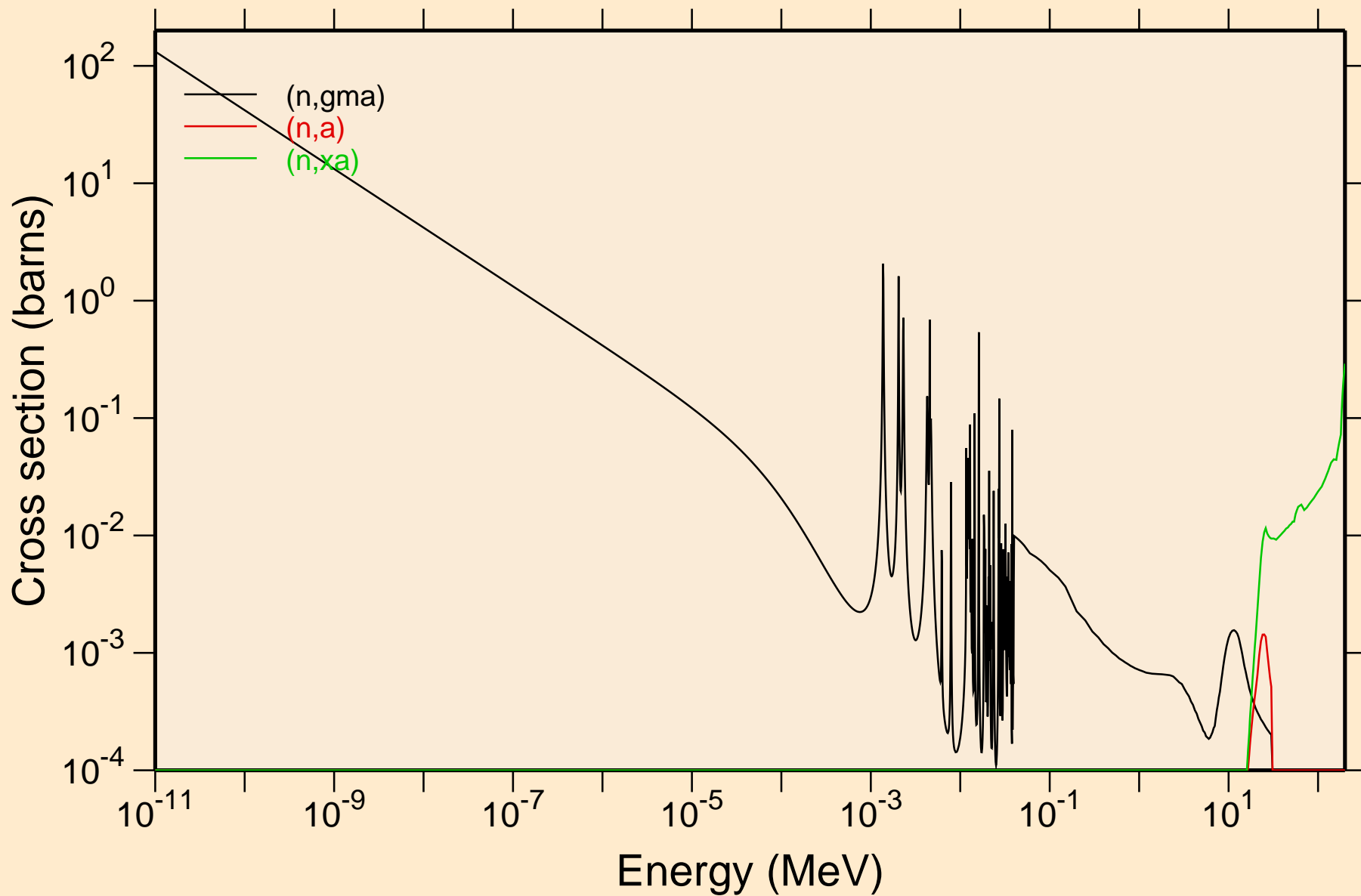


# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



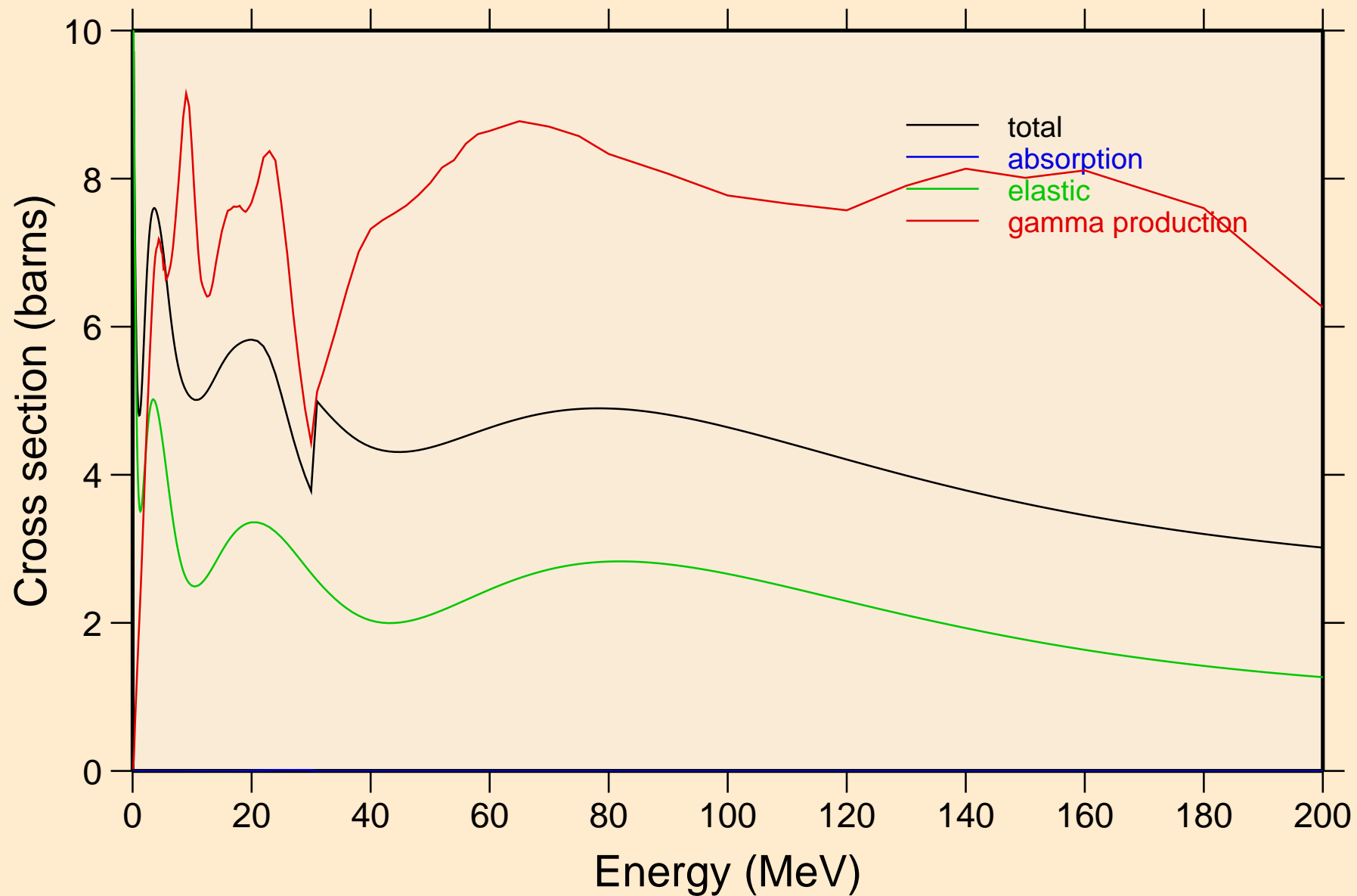
# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

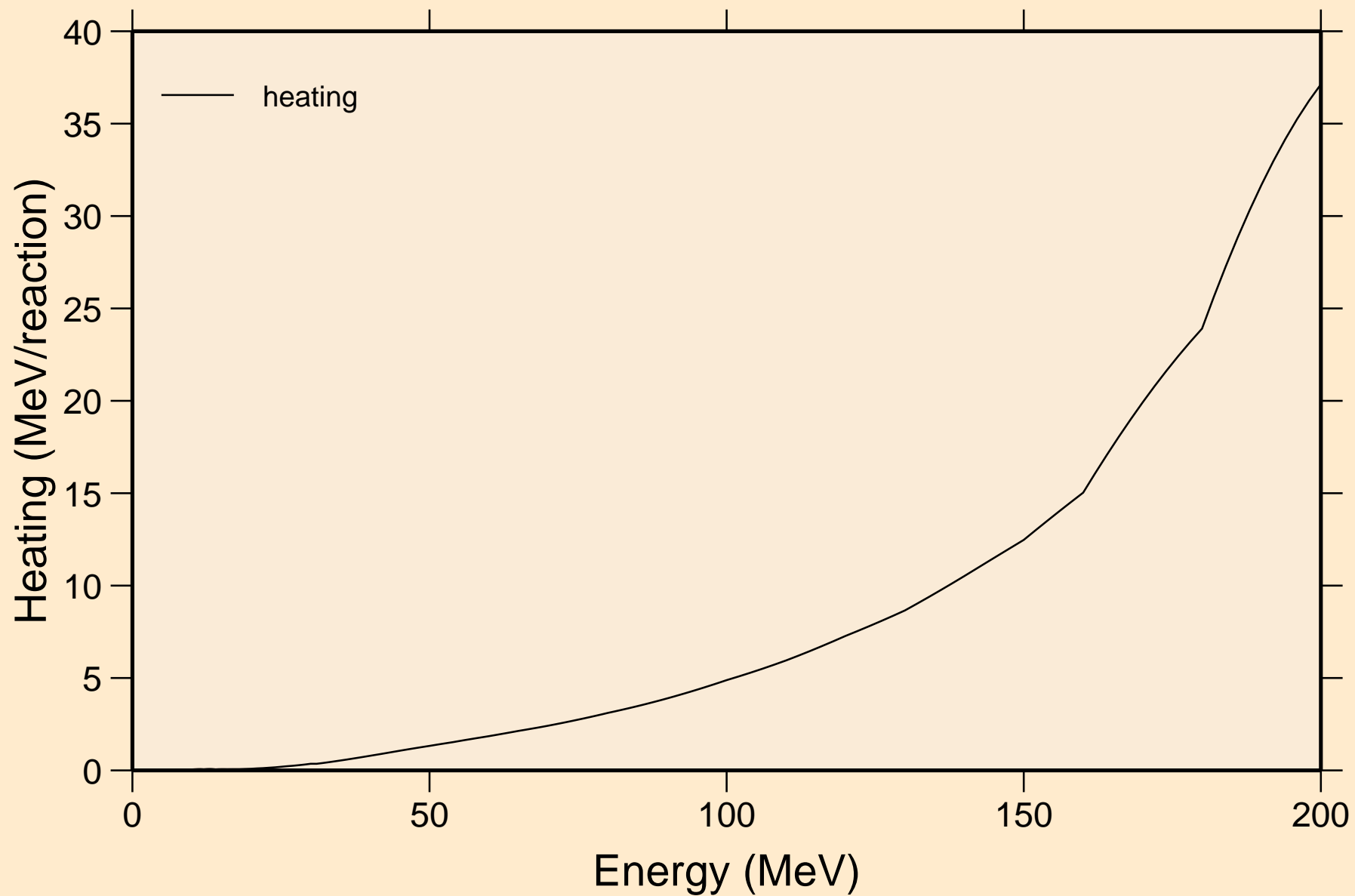


# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

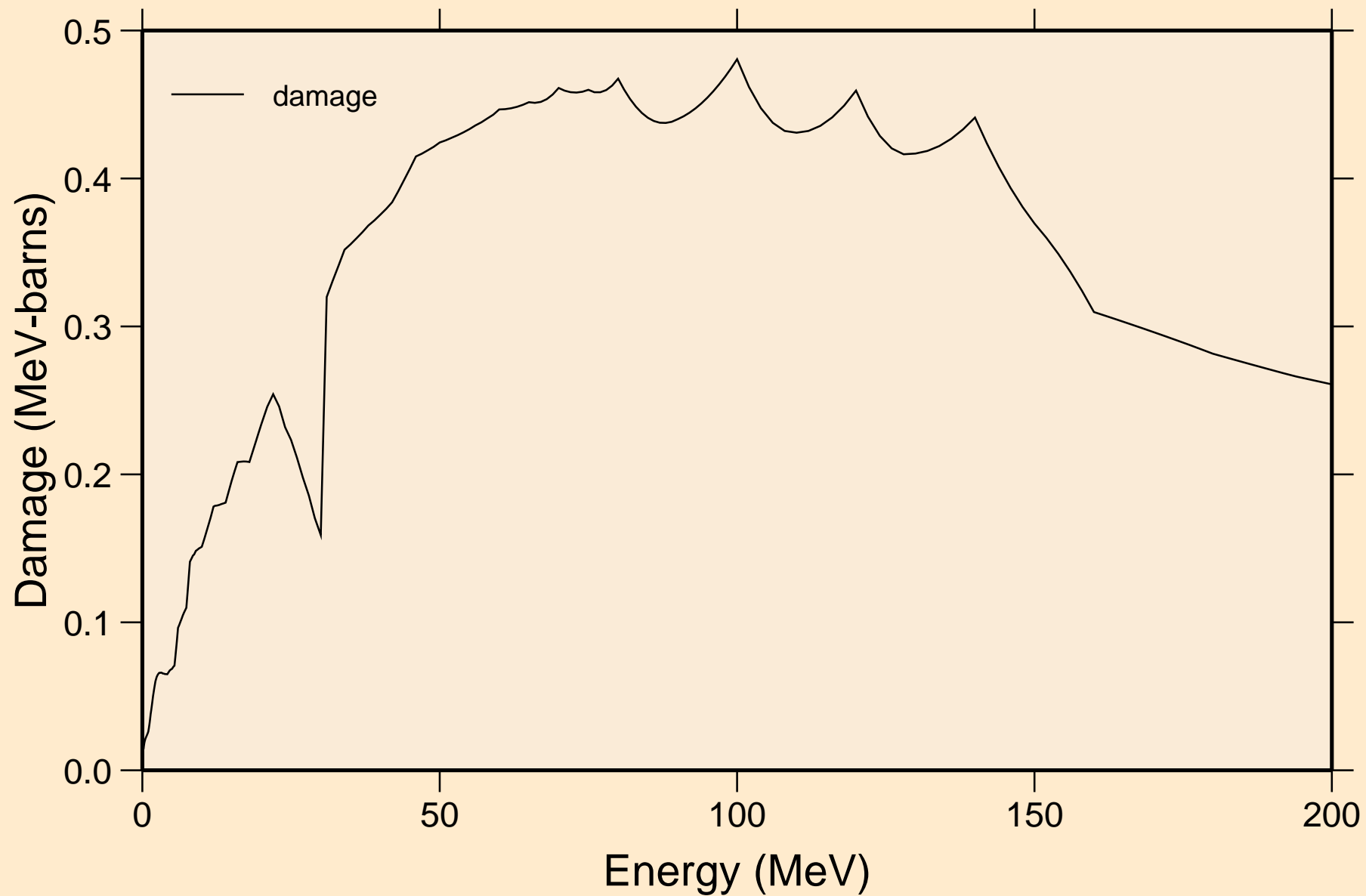
## Principal cross sections



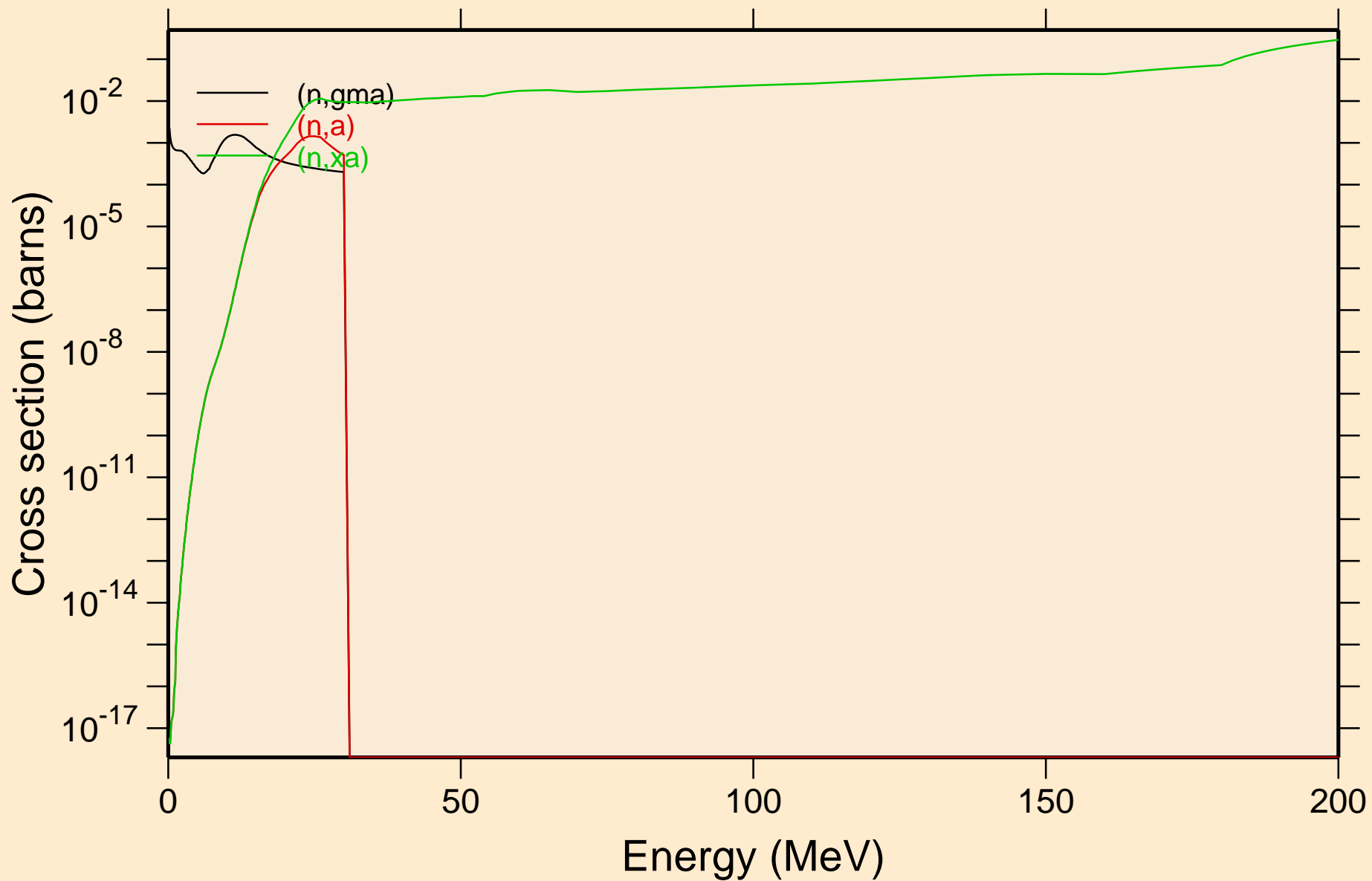
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



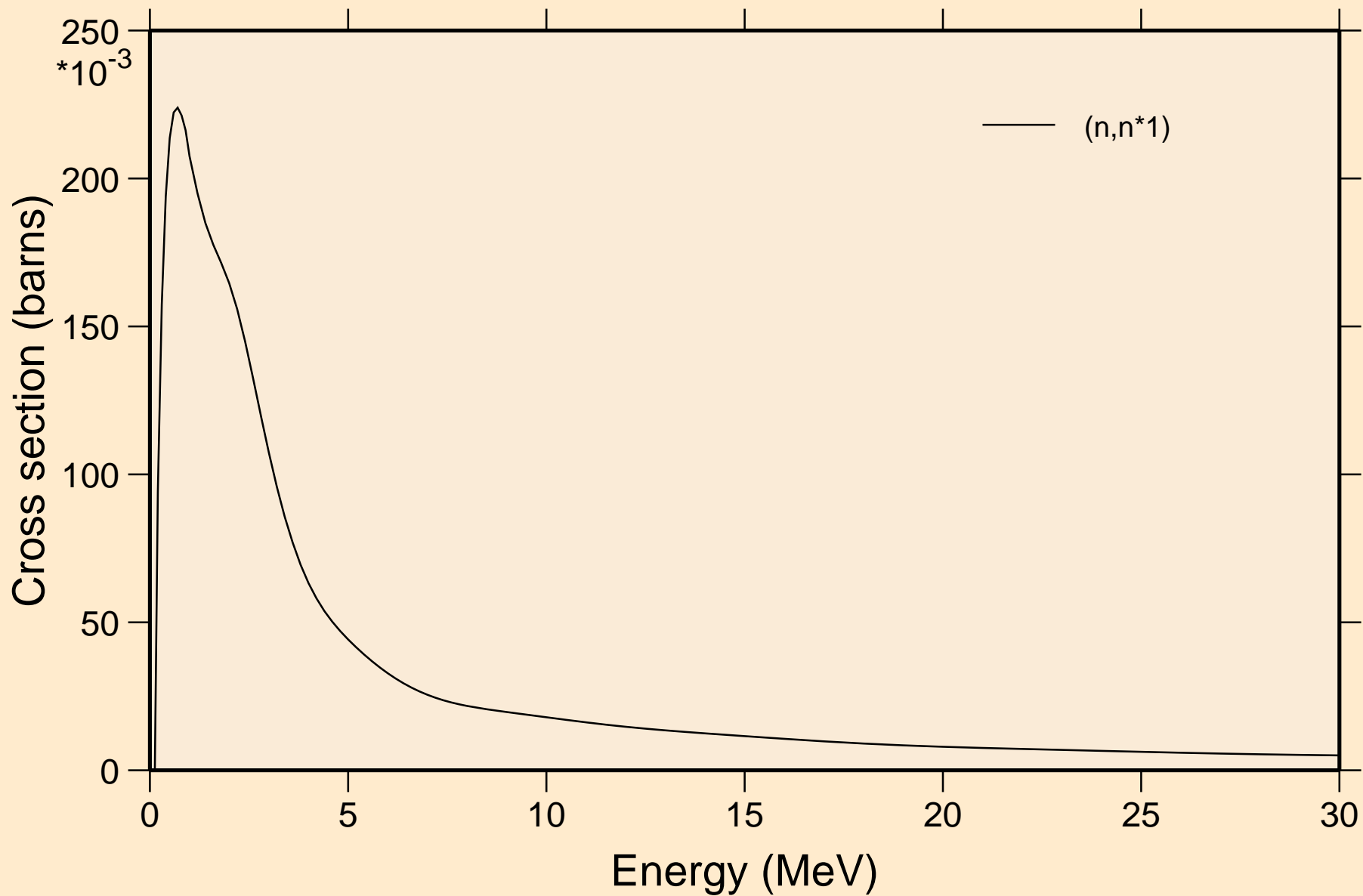
# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



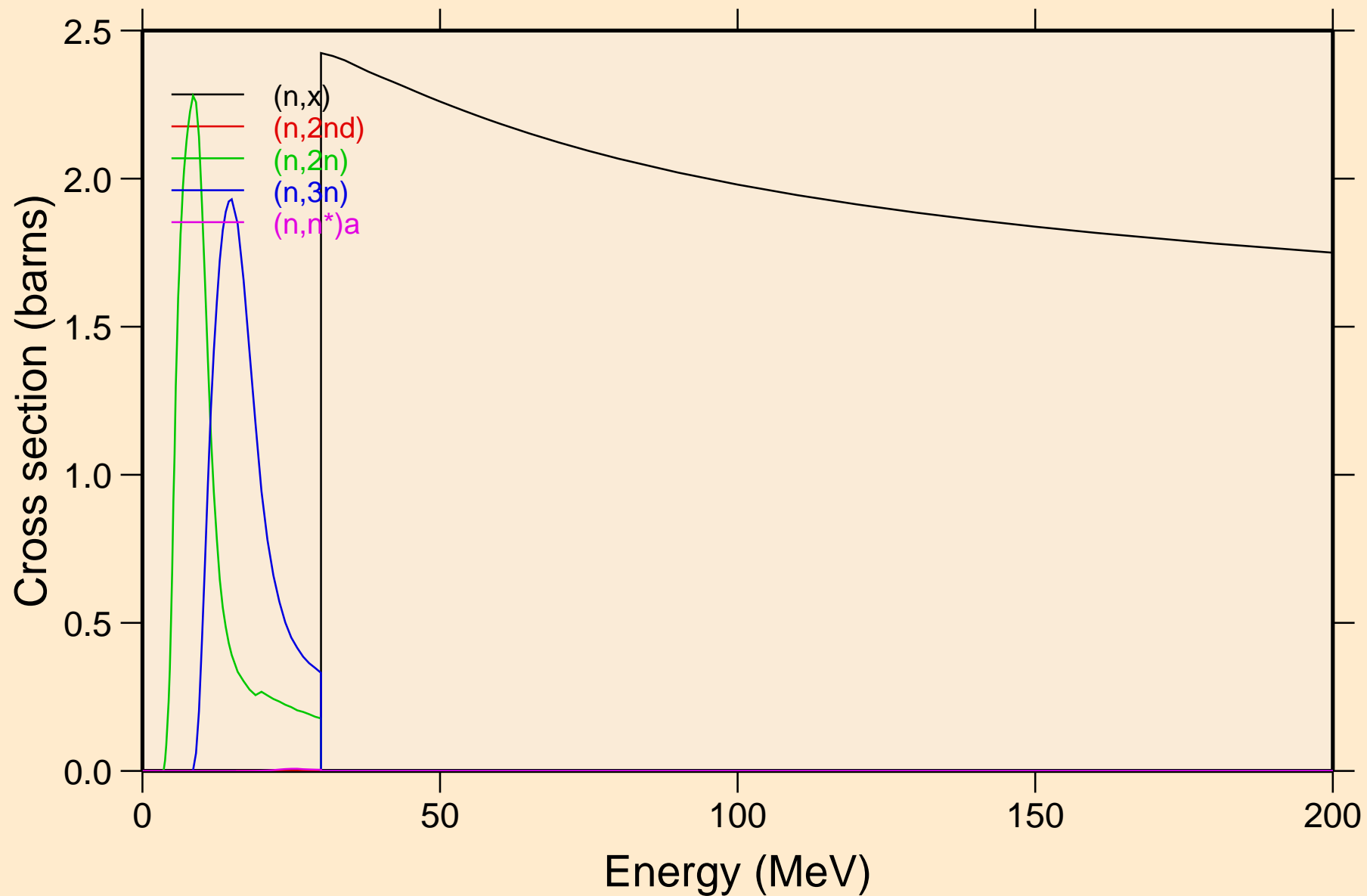
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



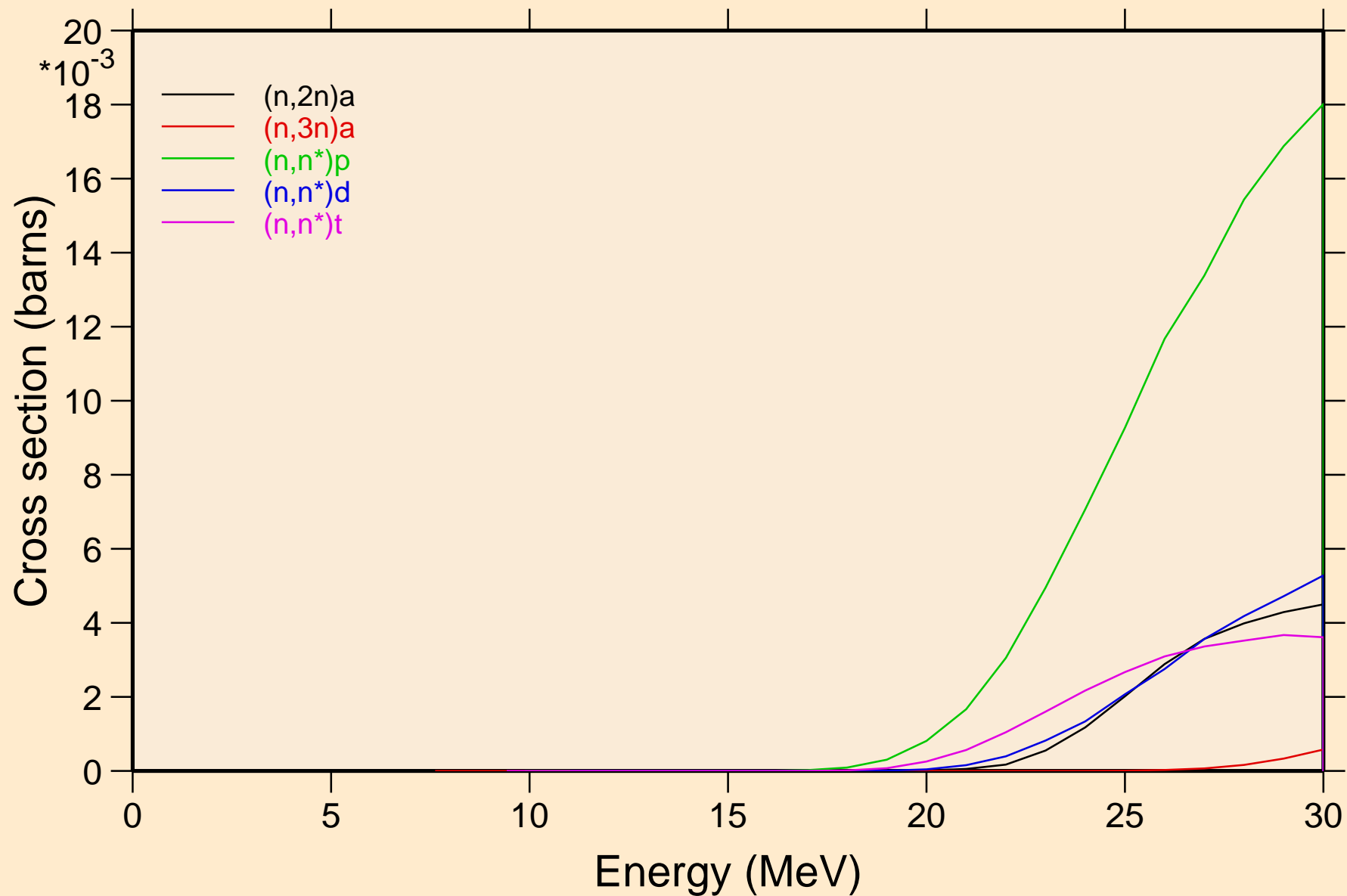
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



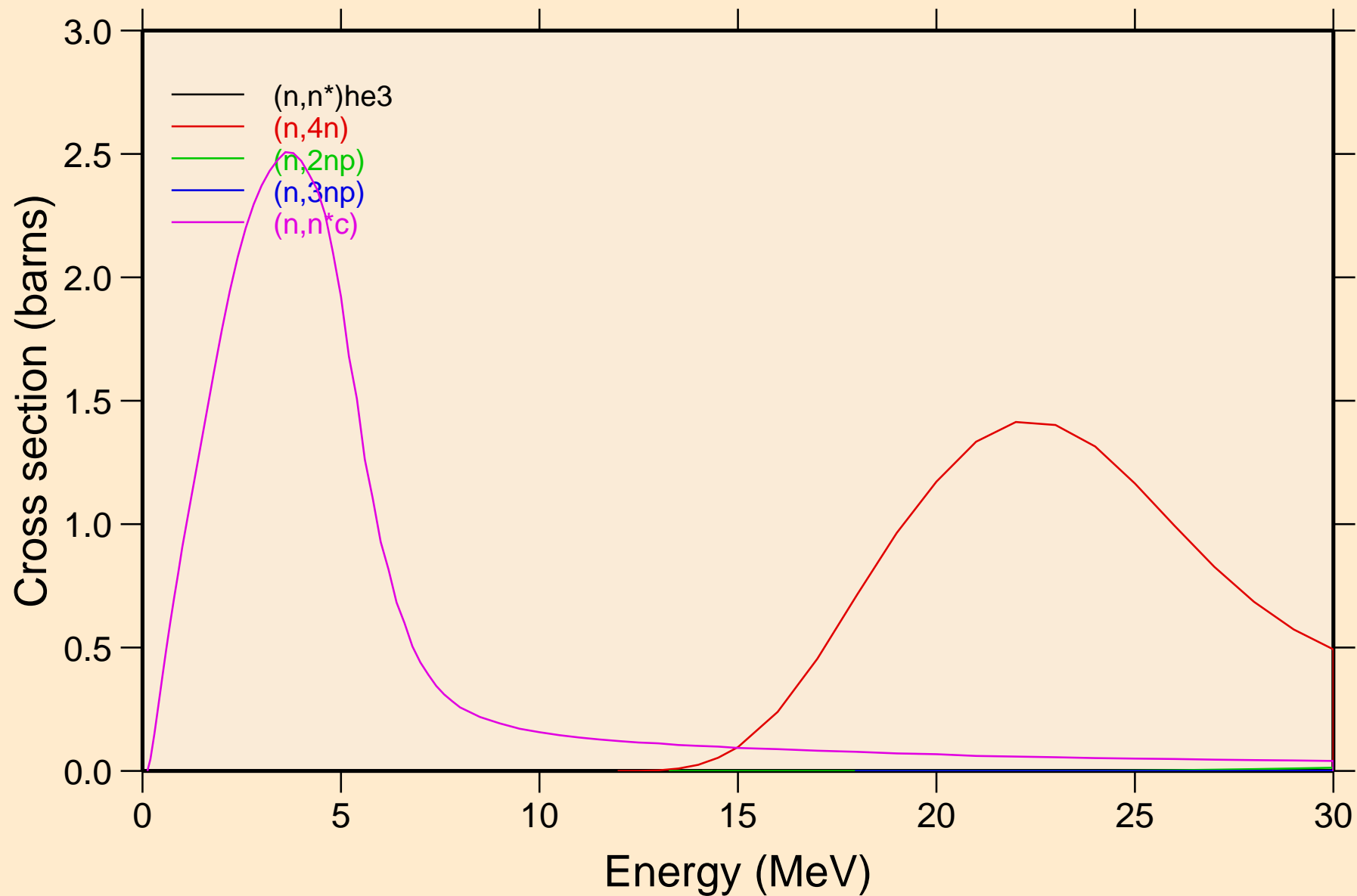


# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

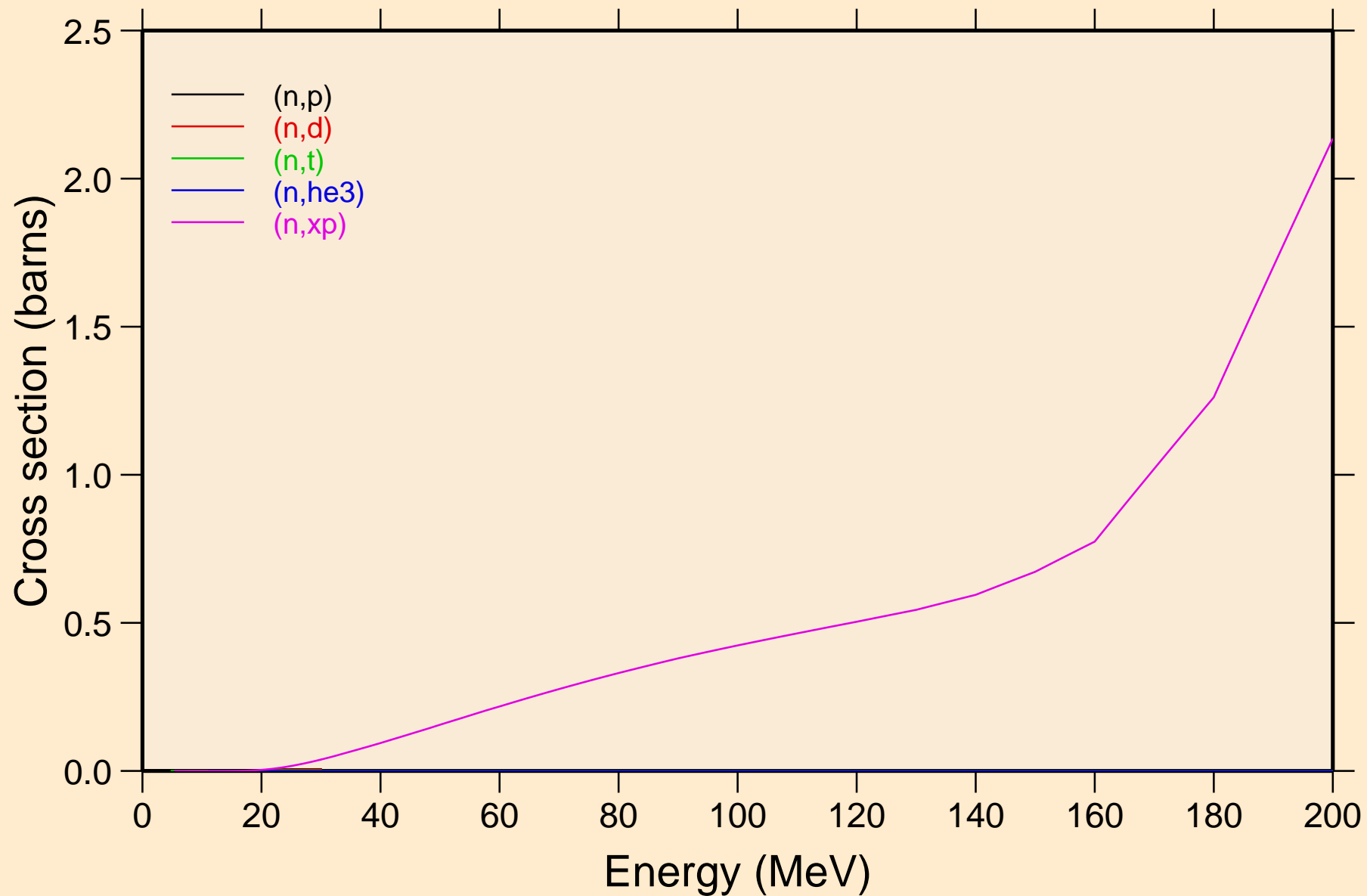
## Threshold reactions



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

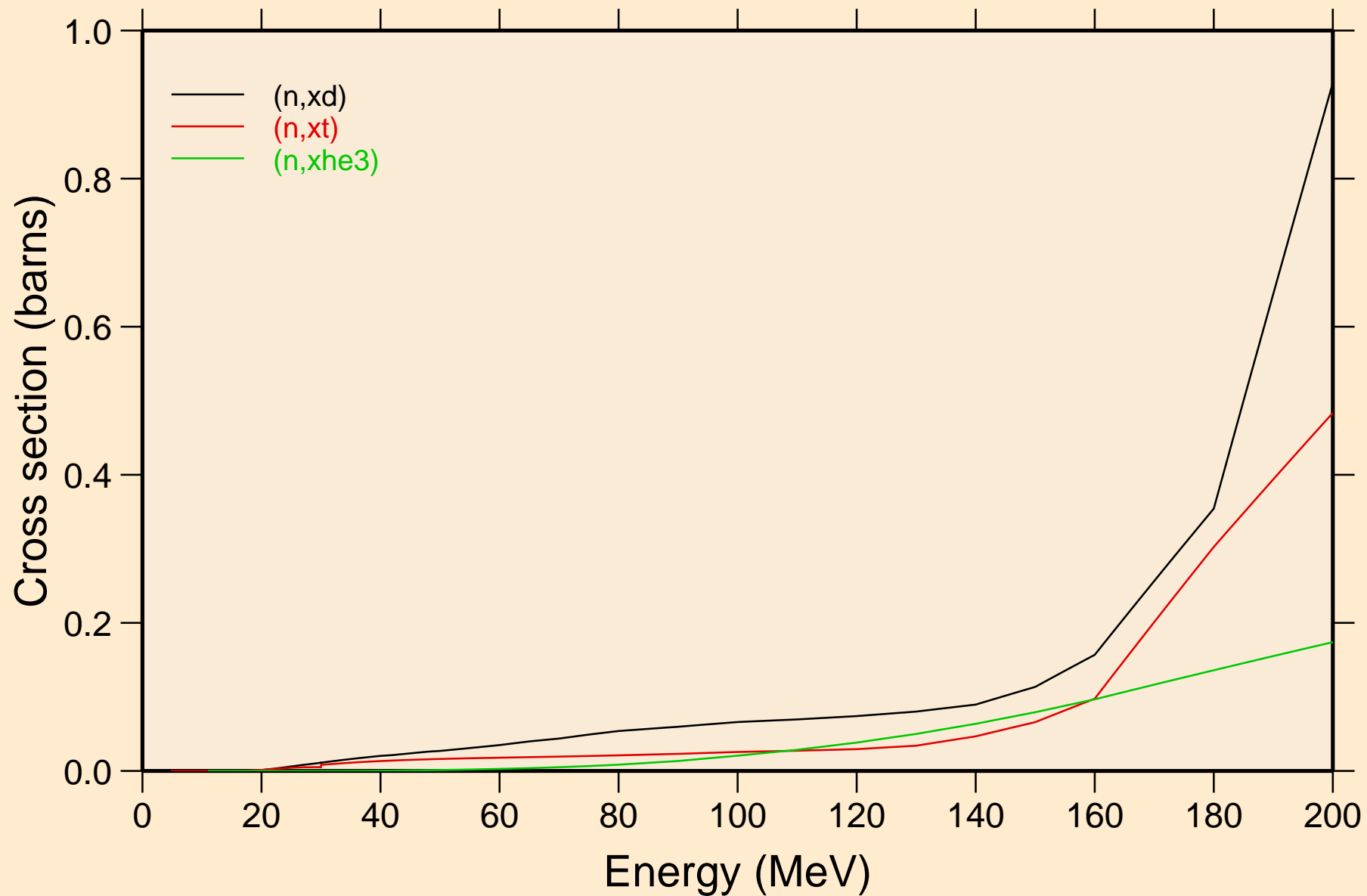


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

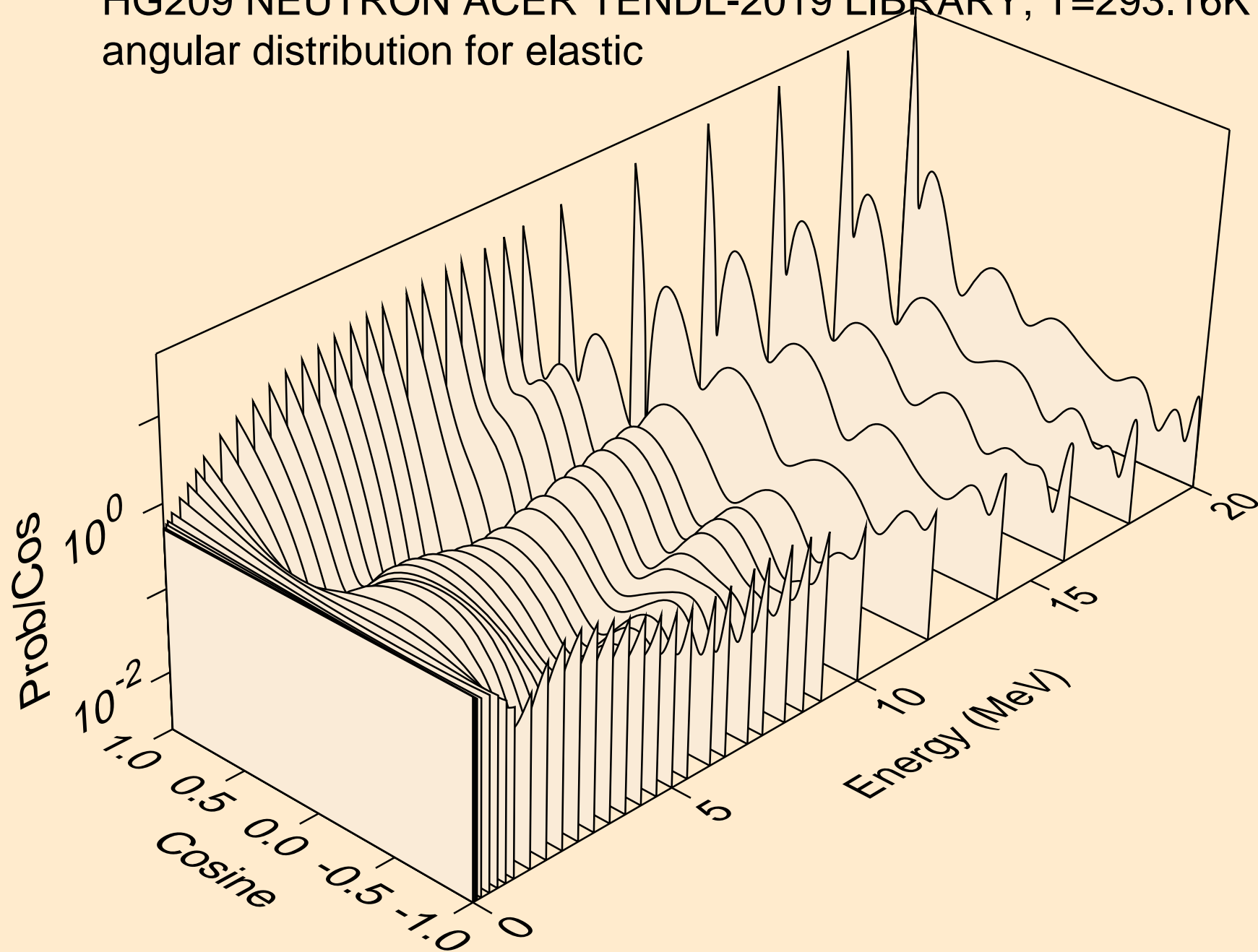


# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

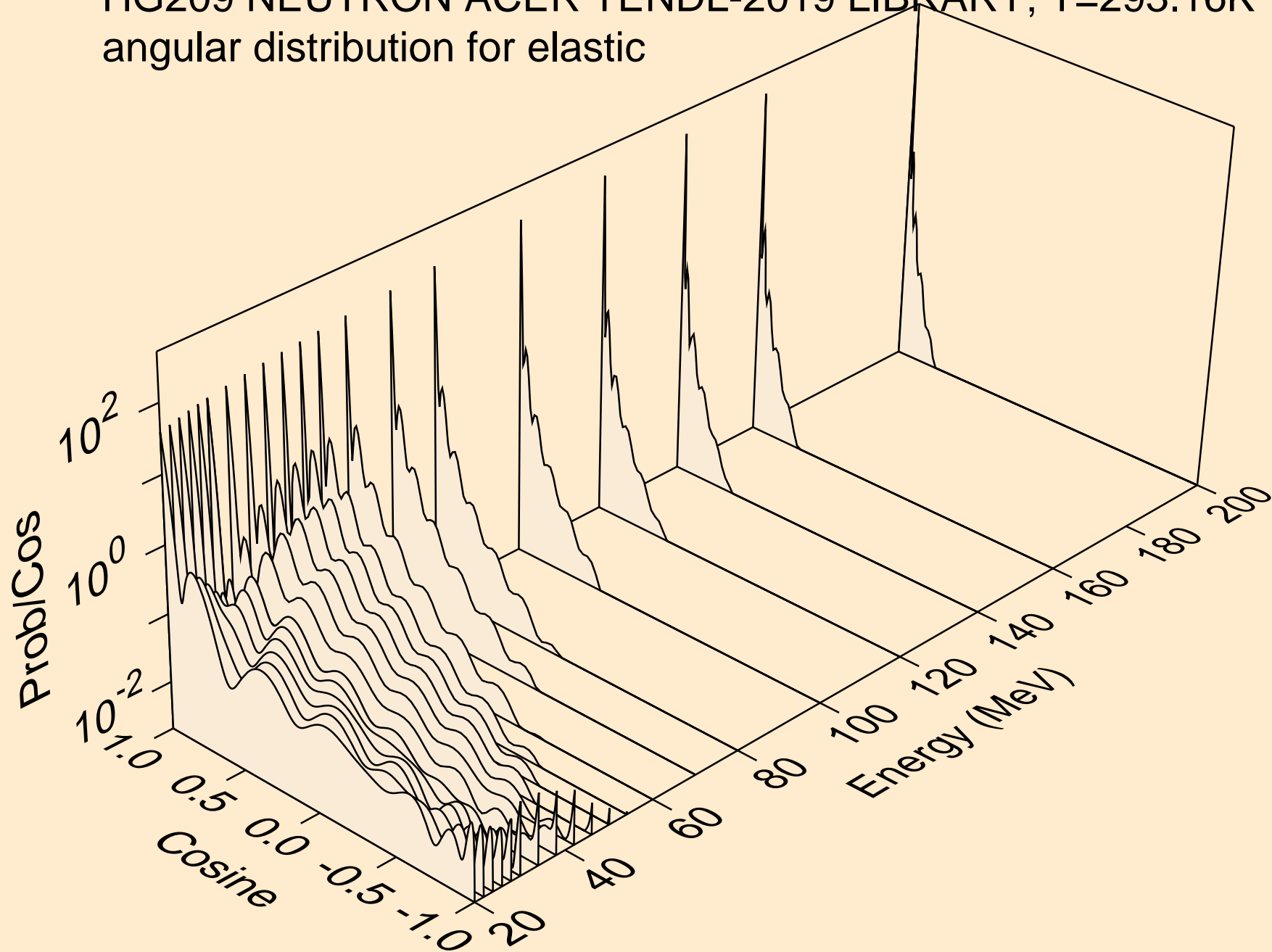
## Threshold reactions



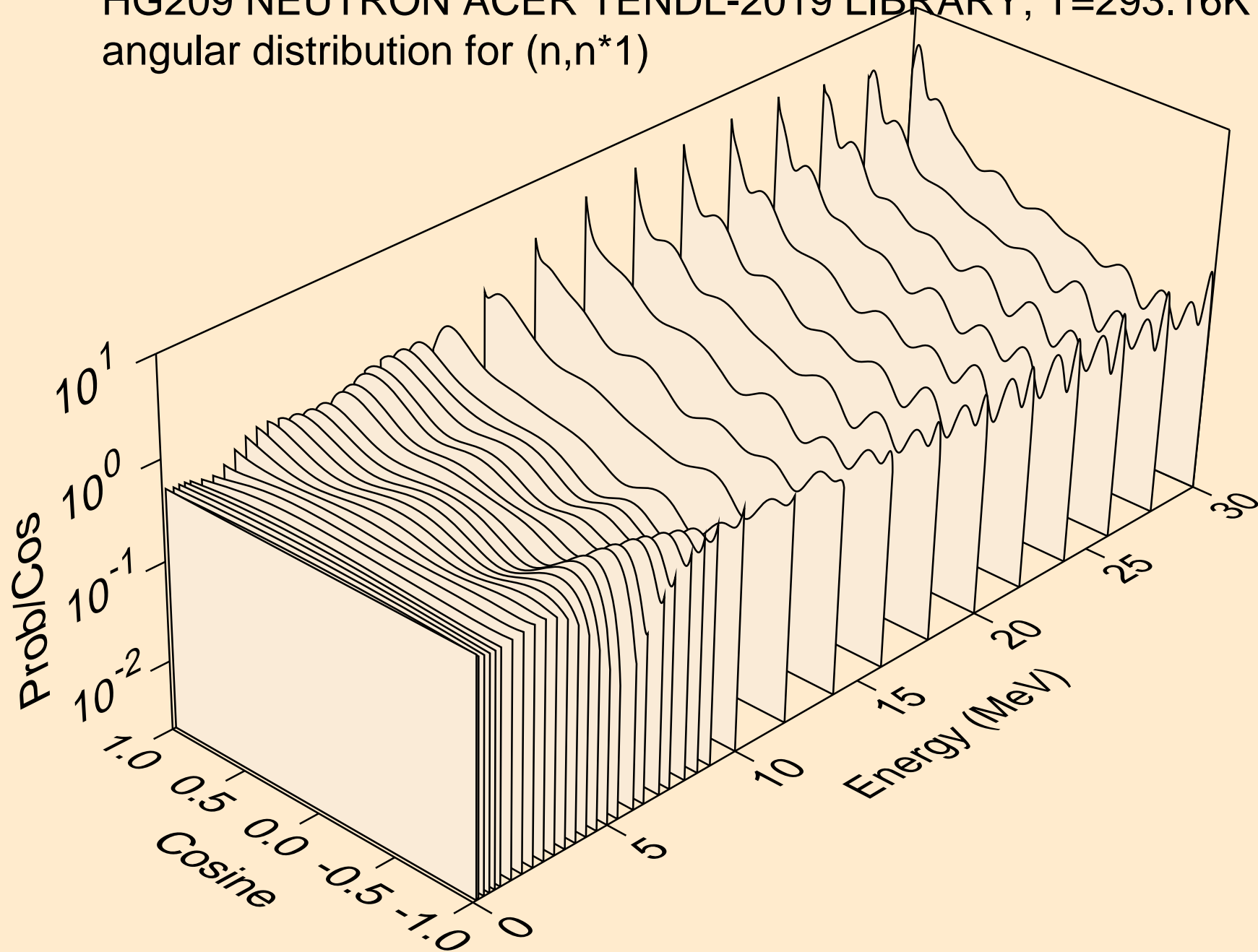
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



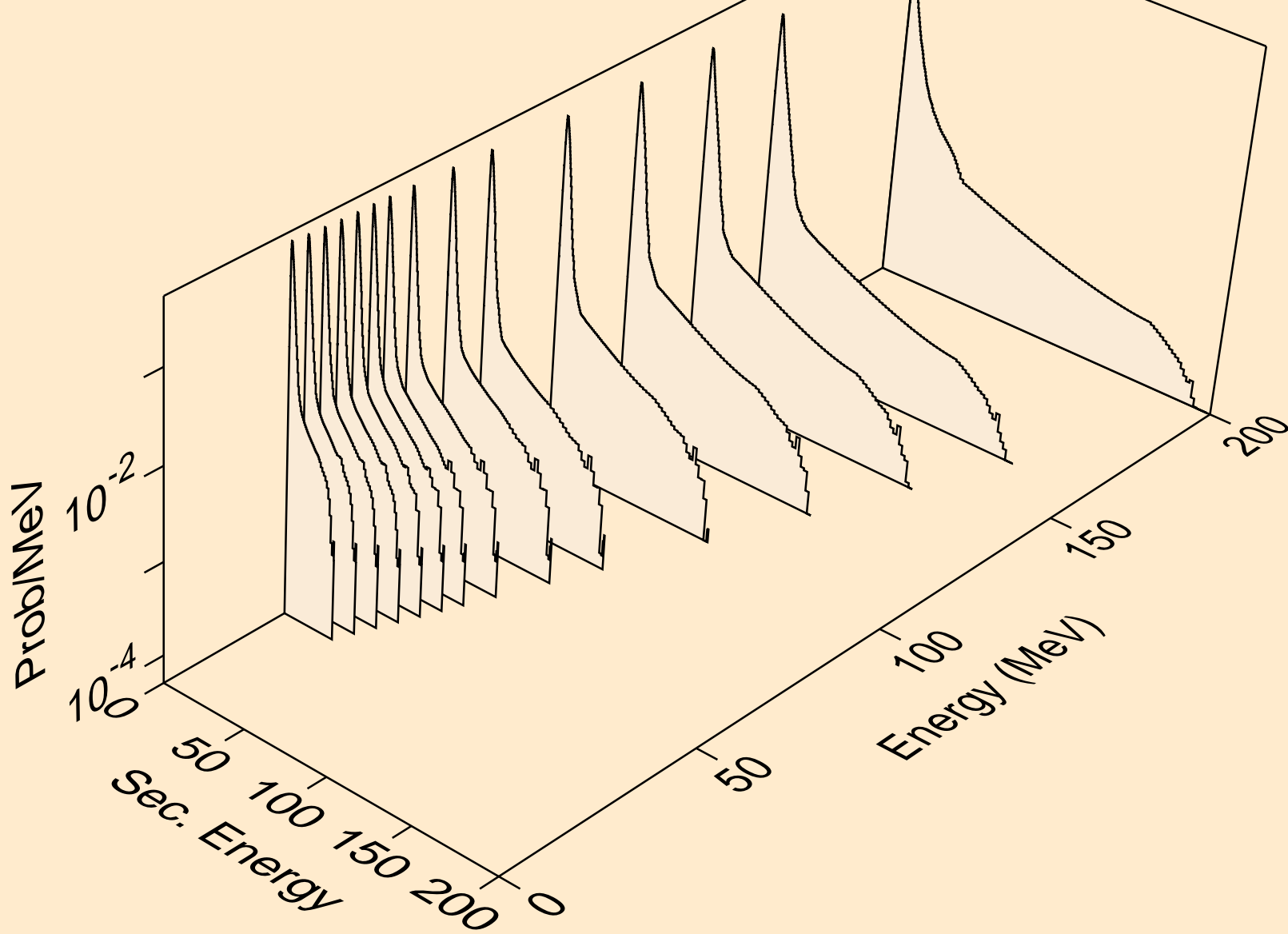
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

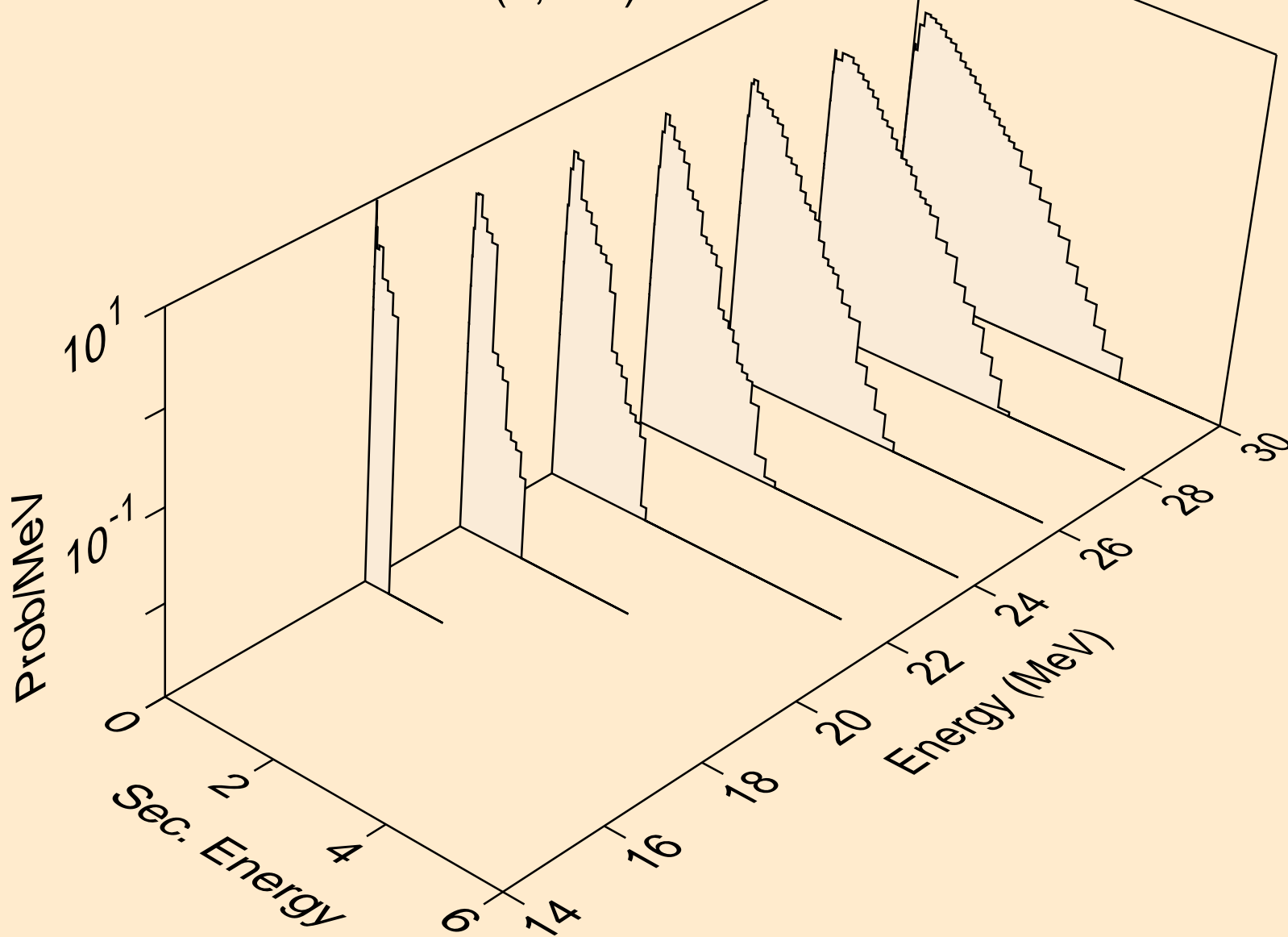


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

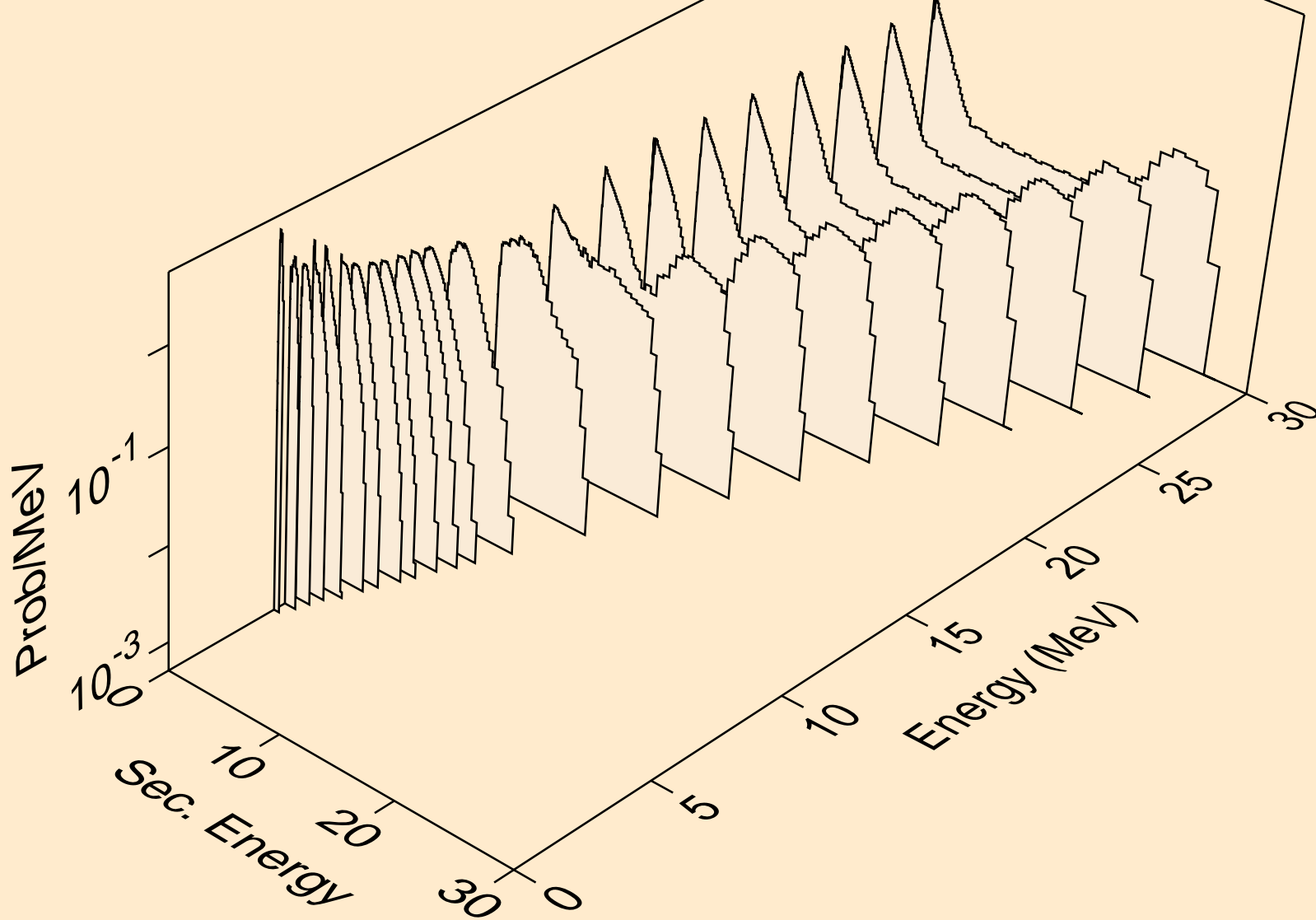




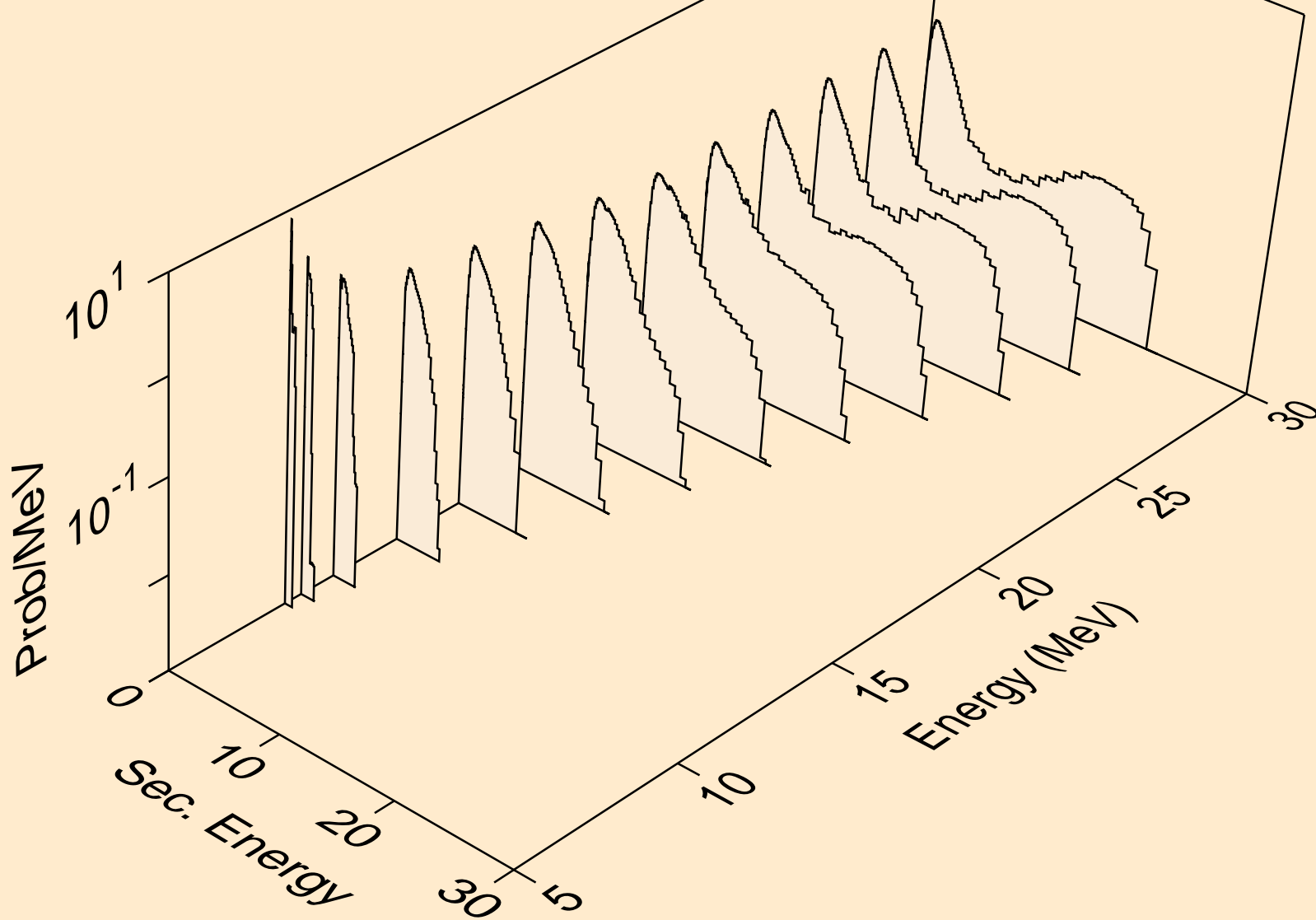
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



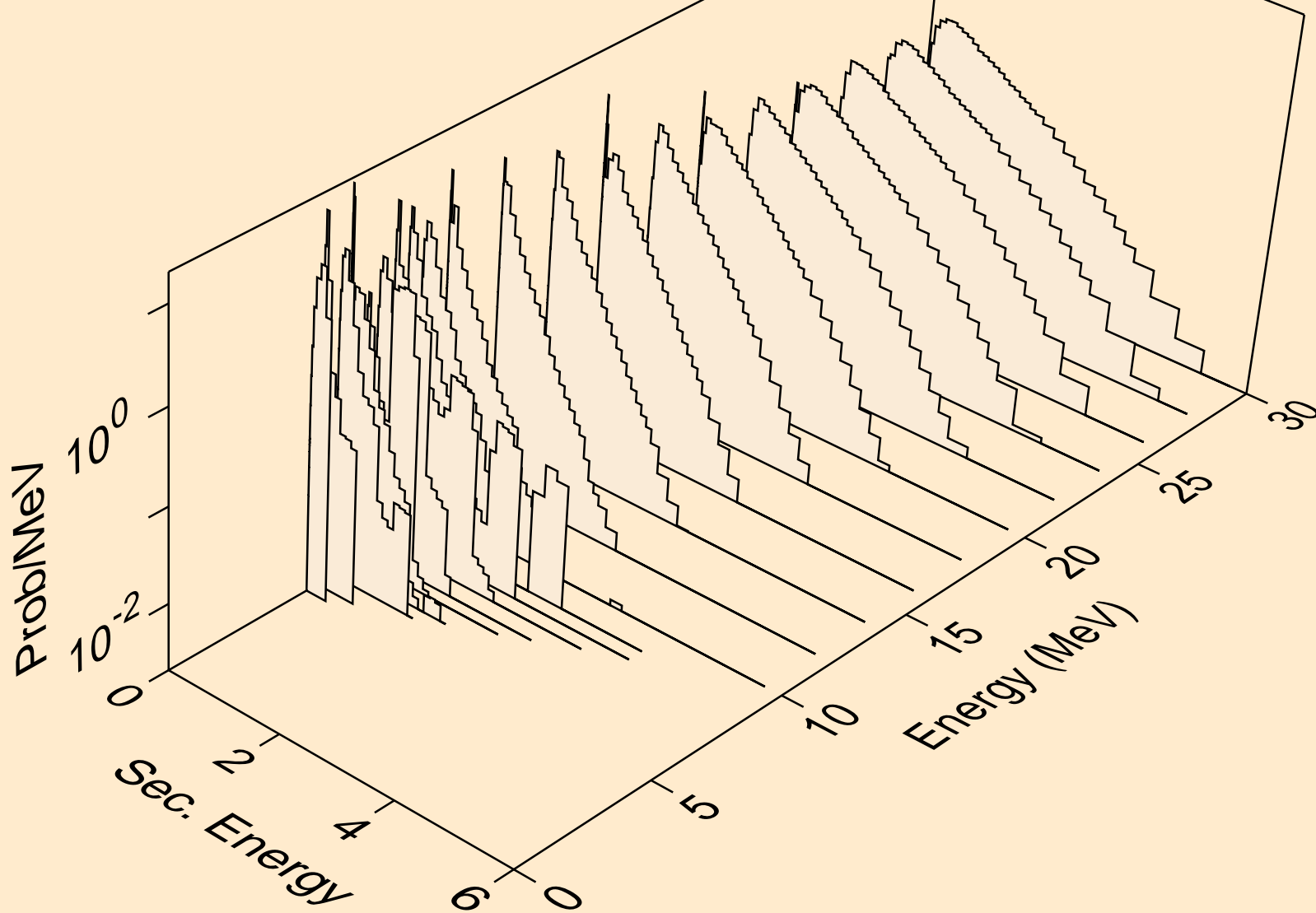
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



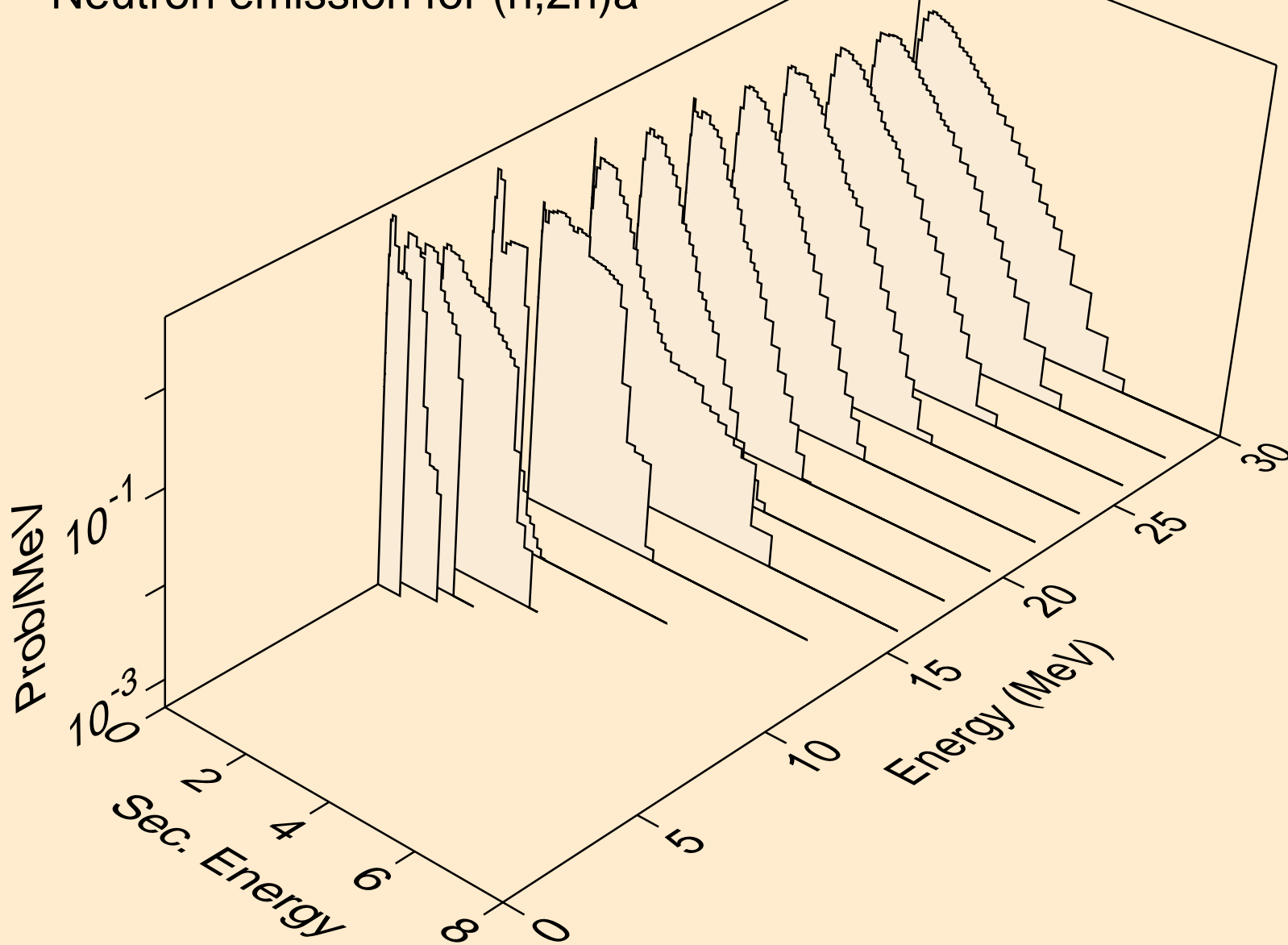
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



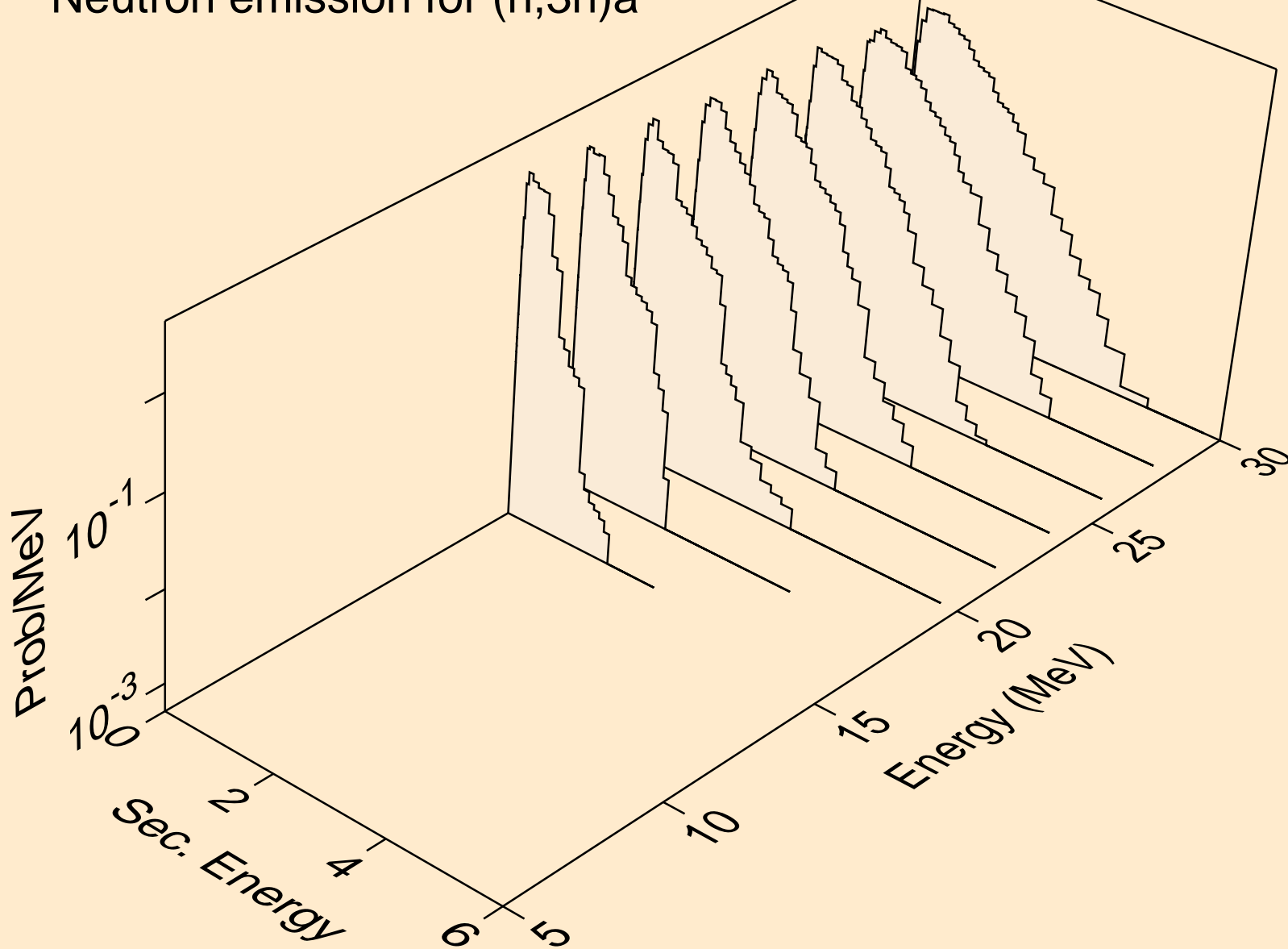
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



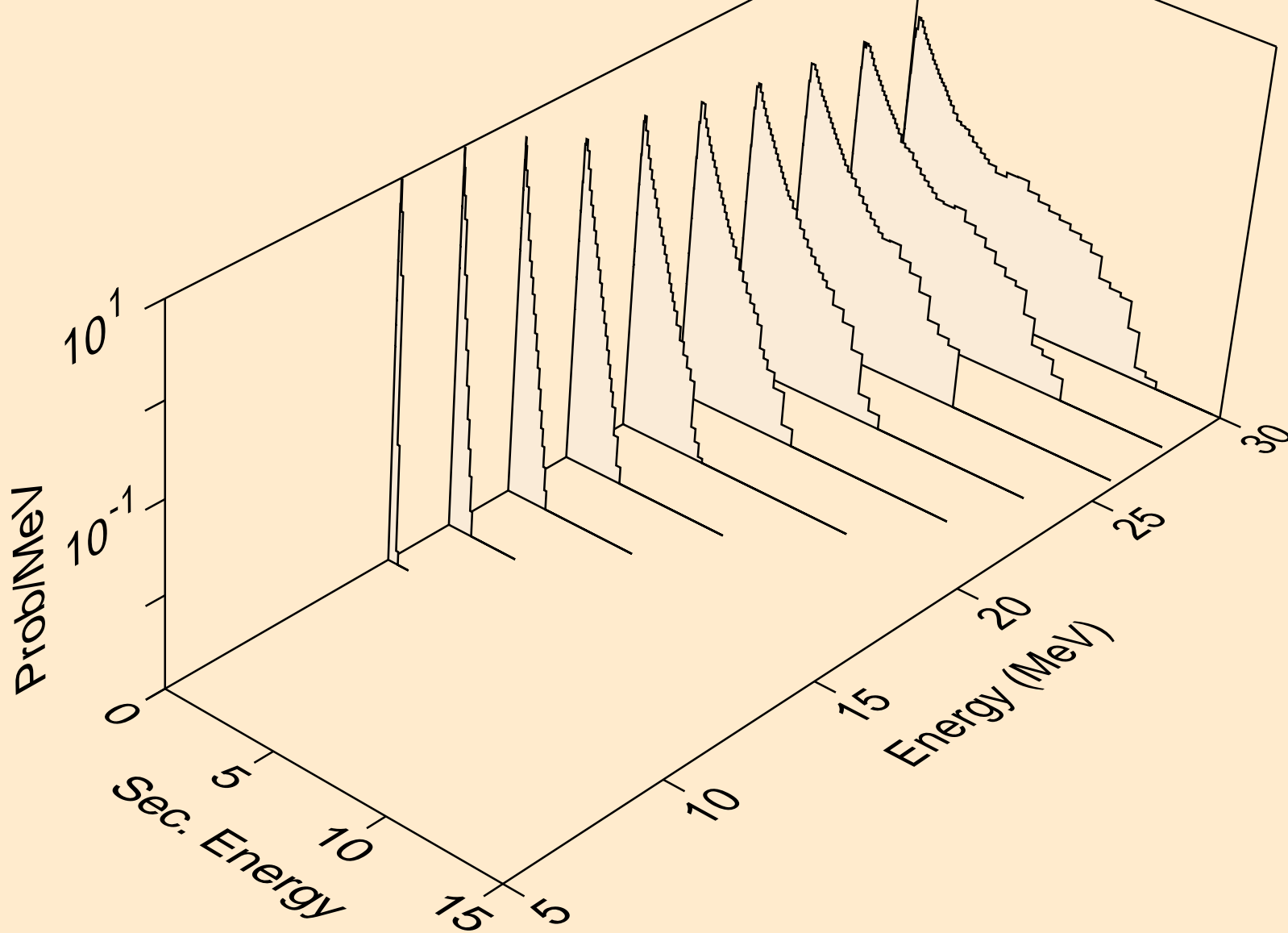
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



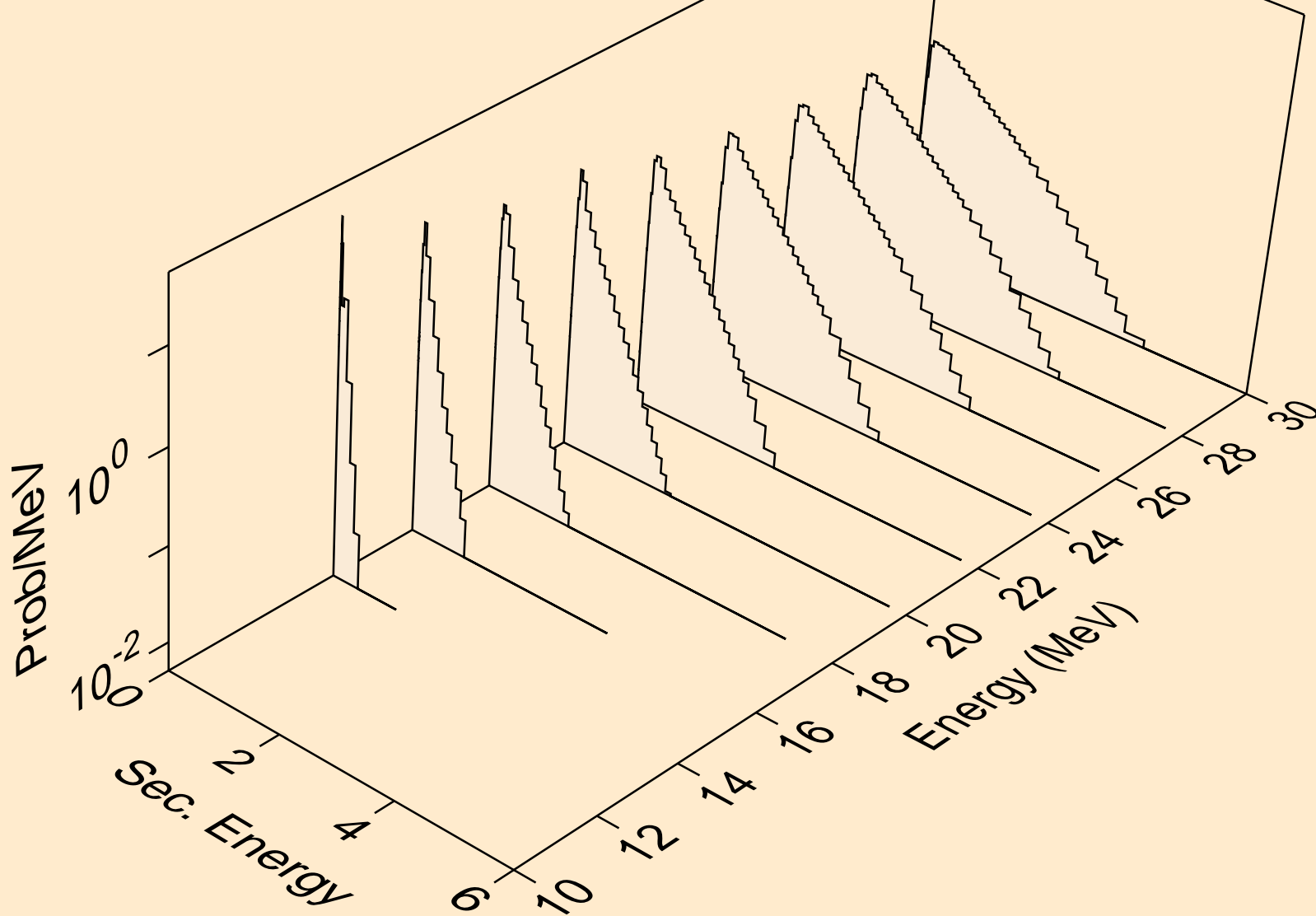
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

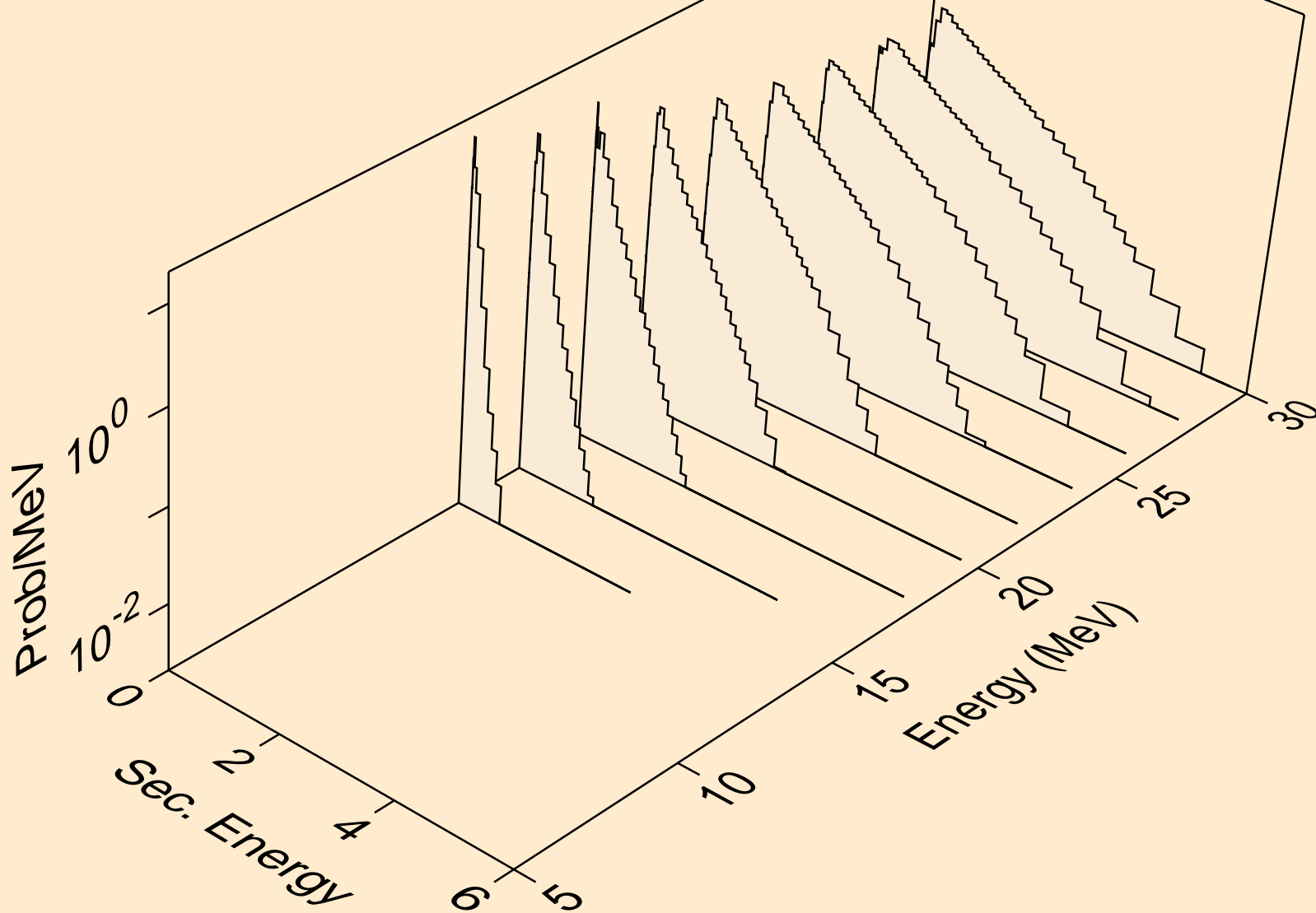


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

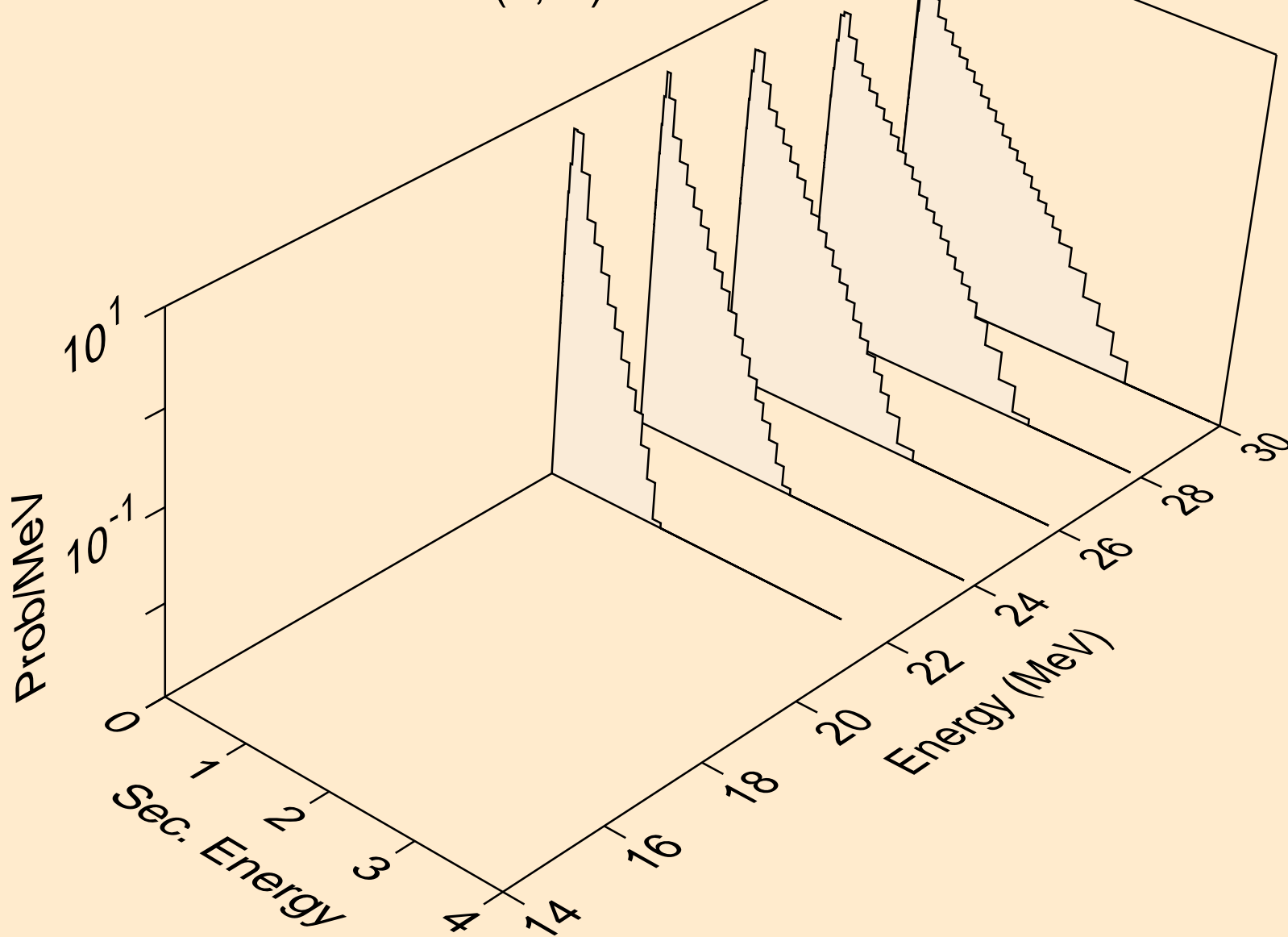




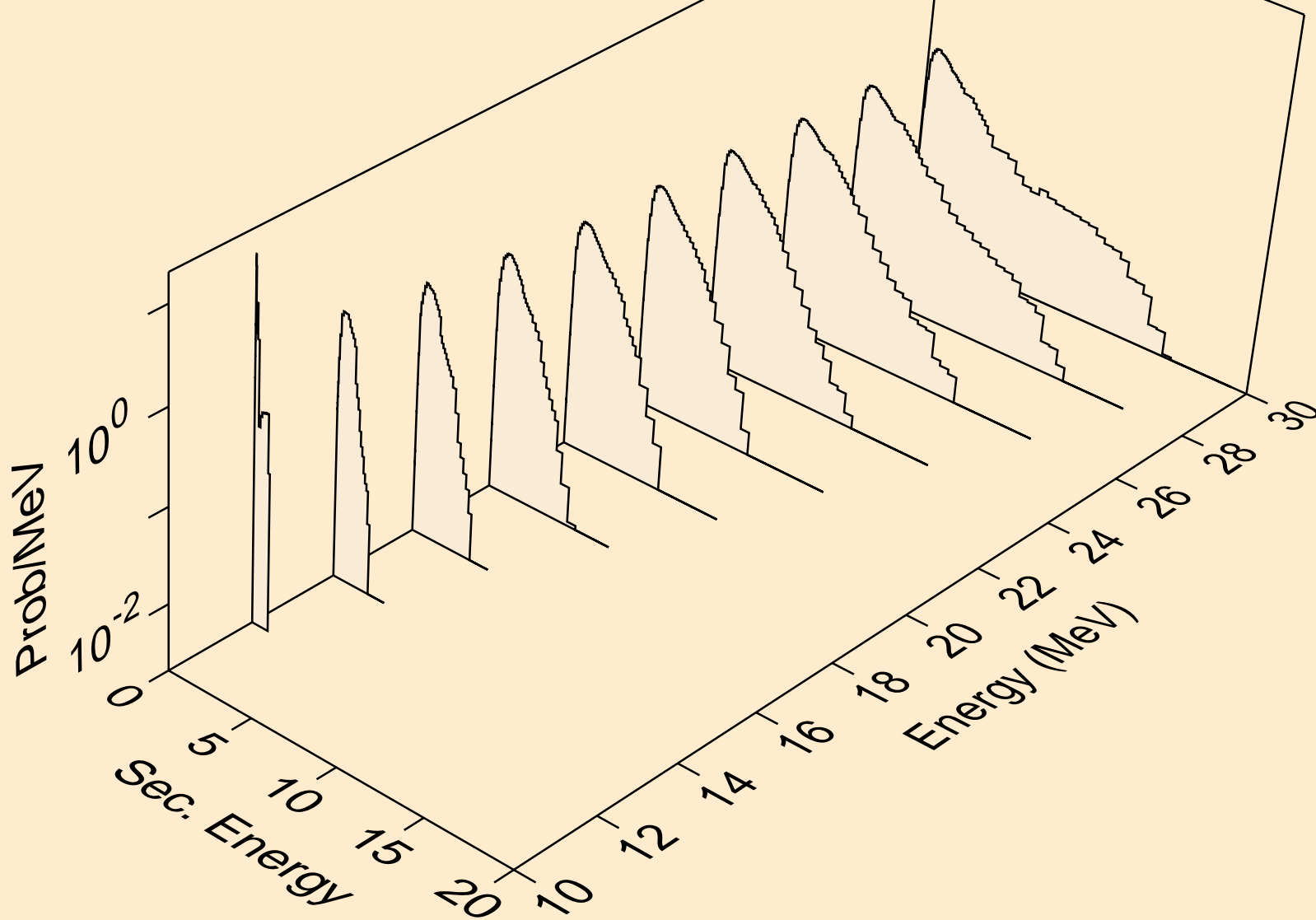
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



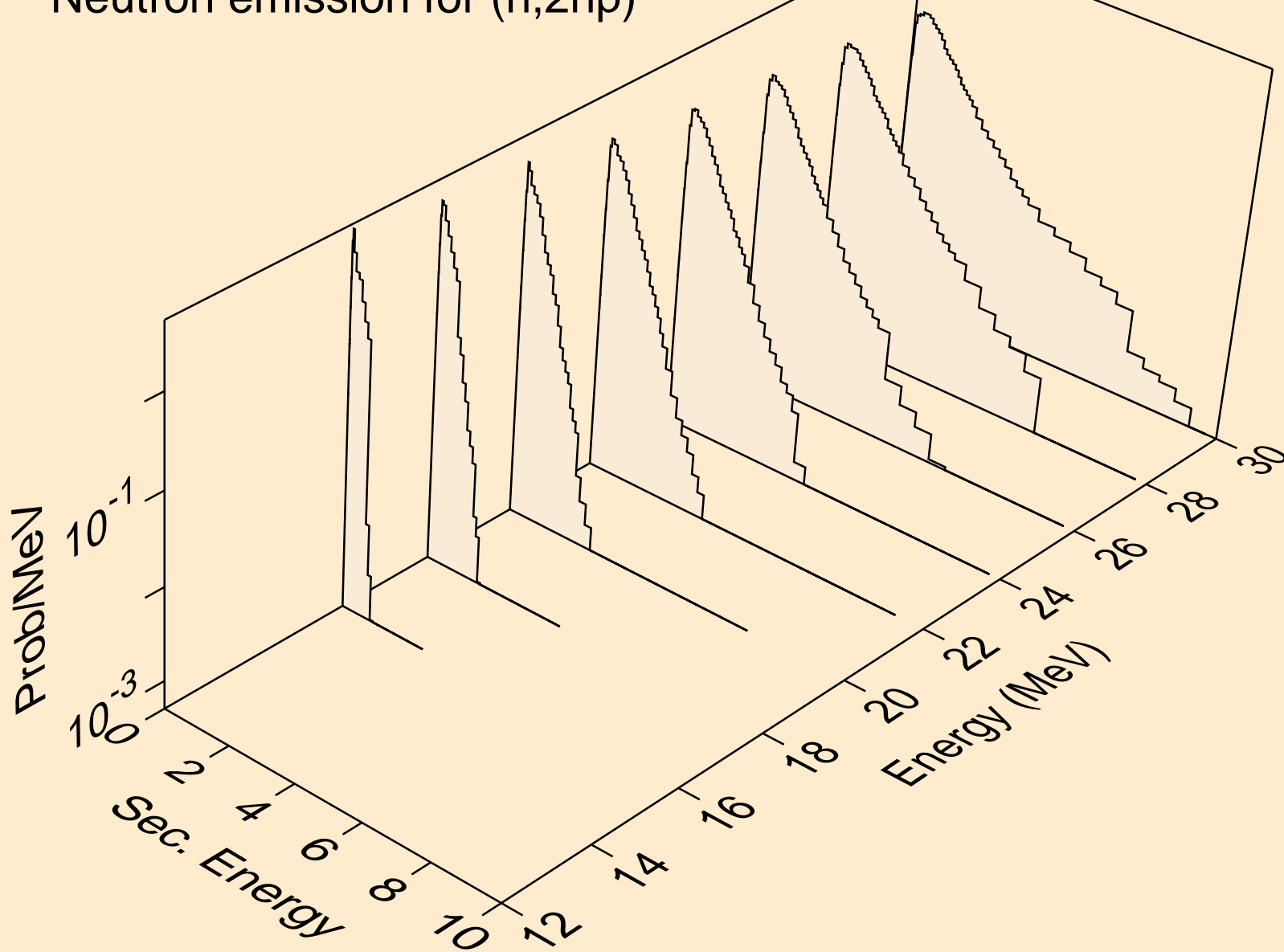
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



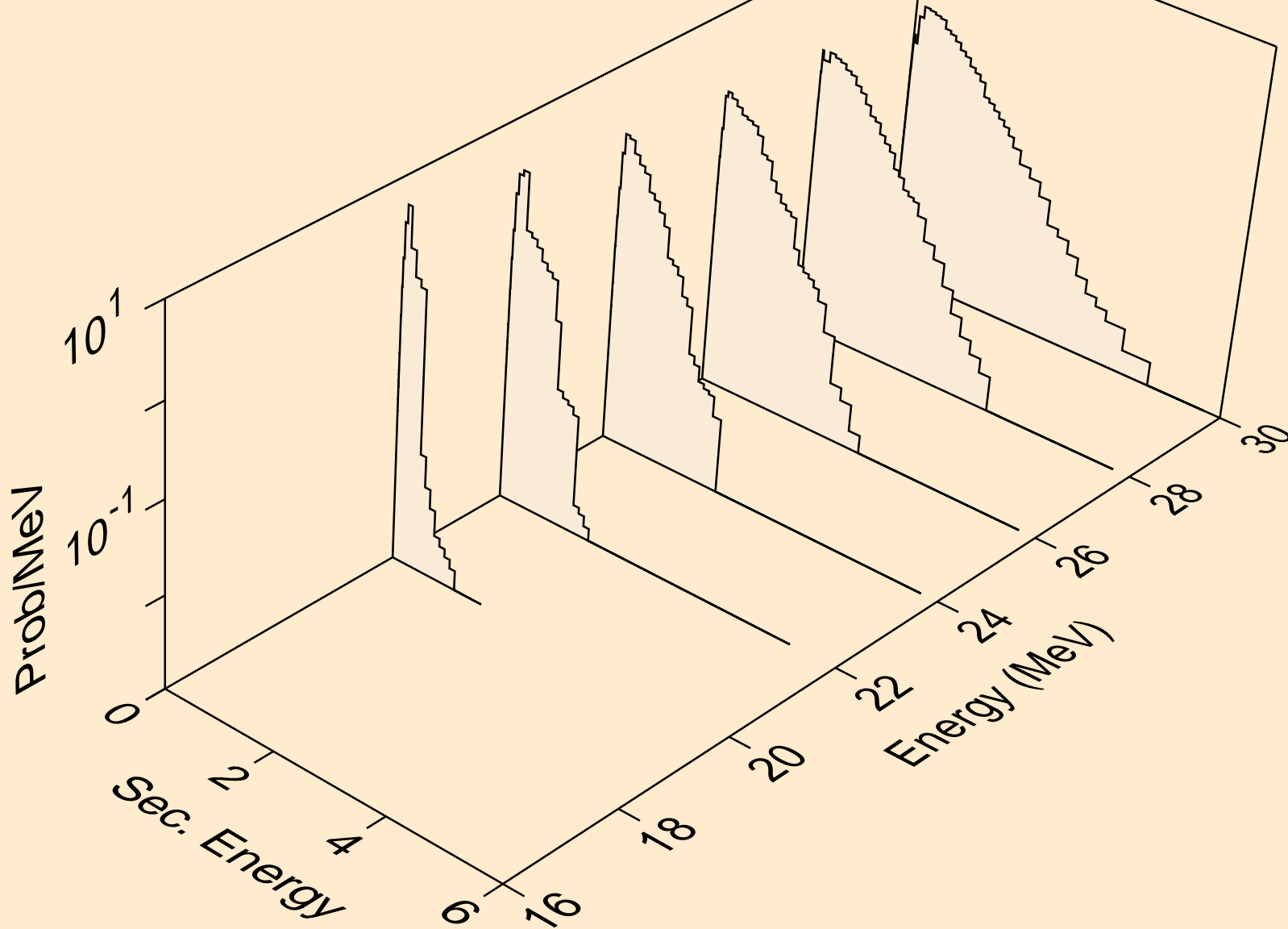
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Neutron emission for (n,4n)



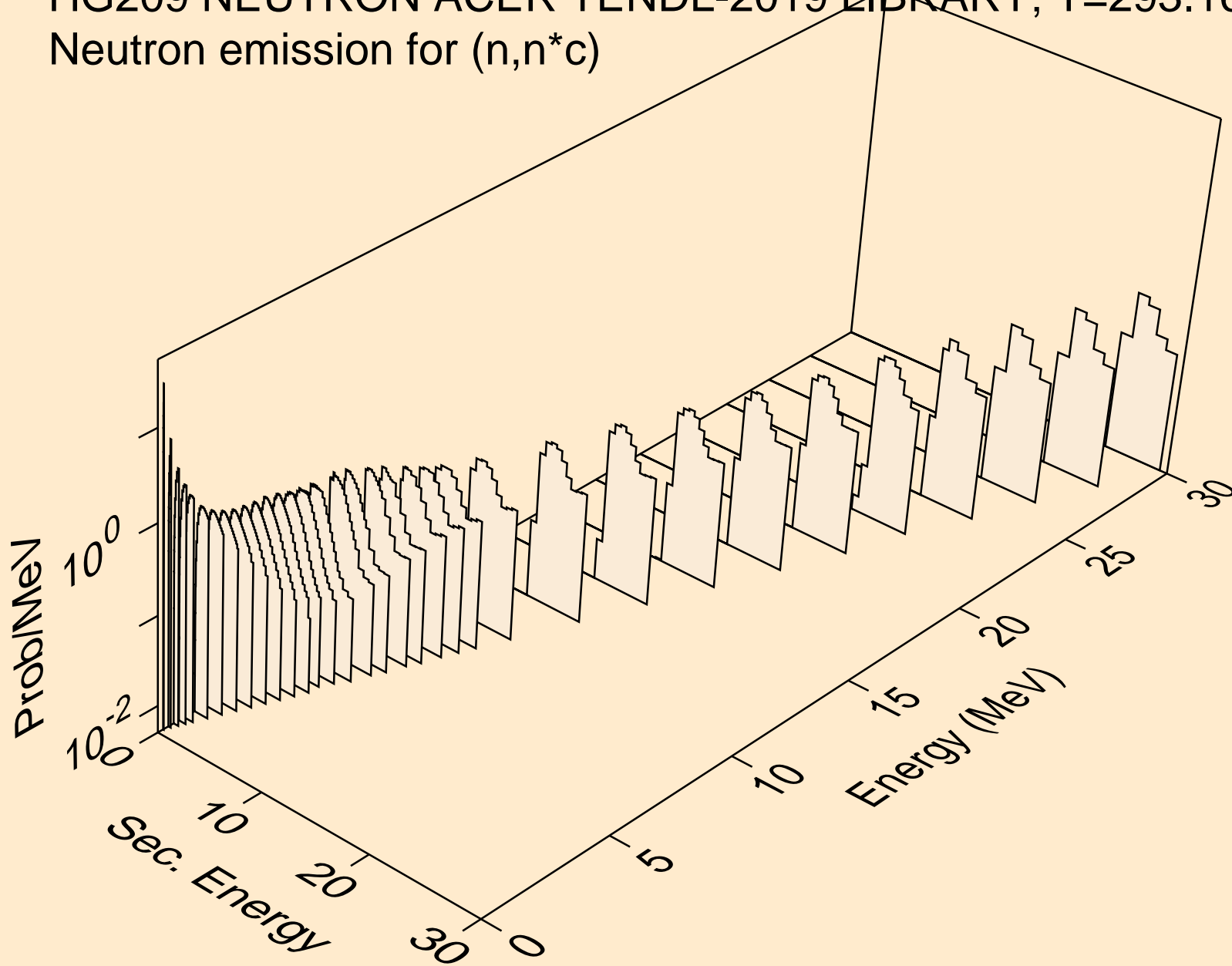
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Neutron emission for (n,2np)



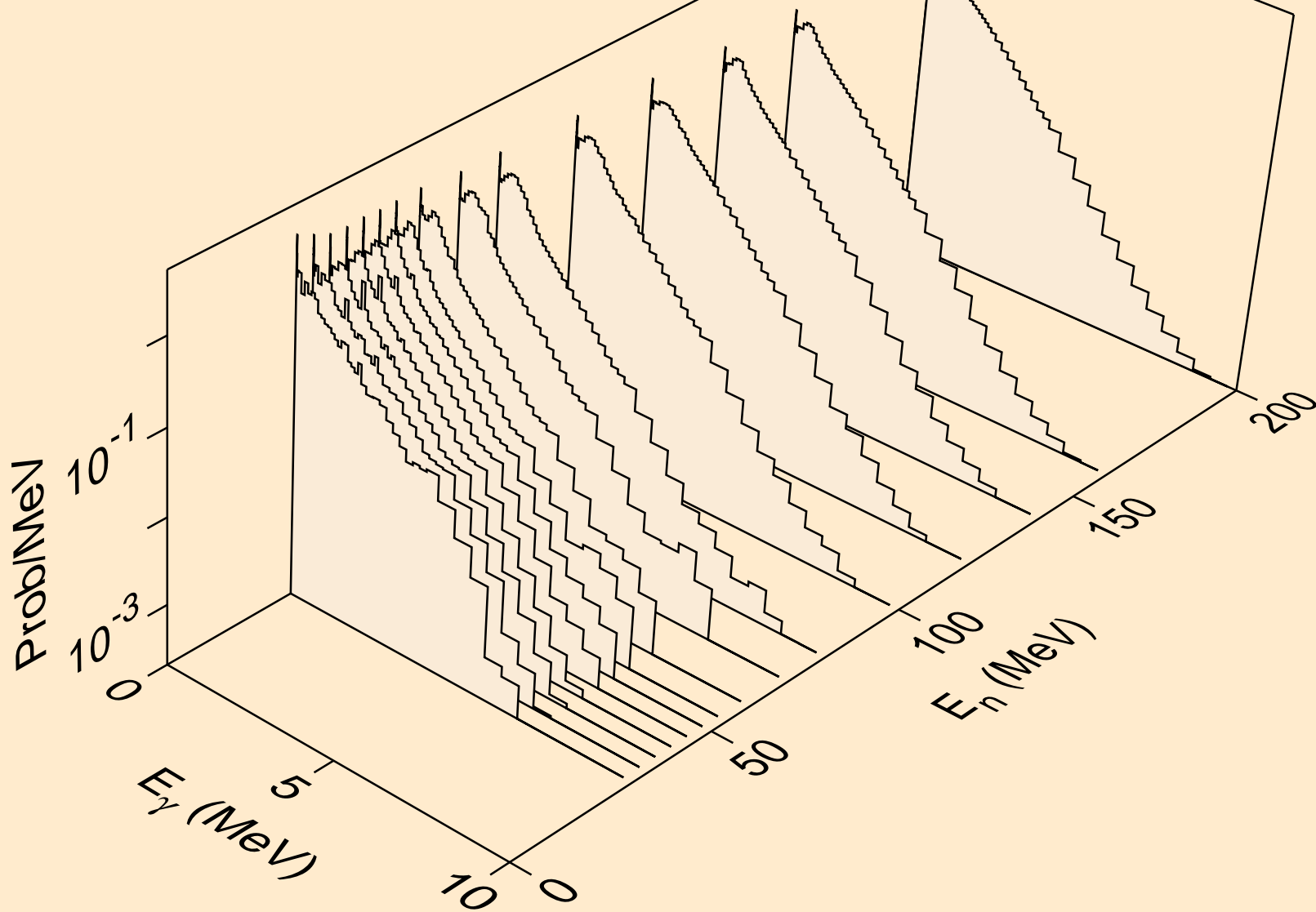
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Neutron emission for (n,3np)



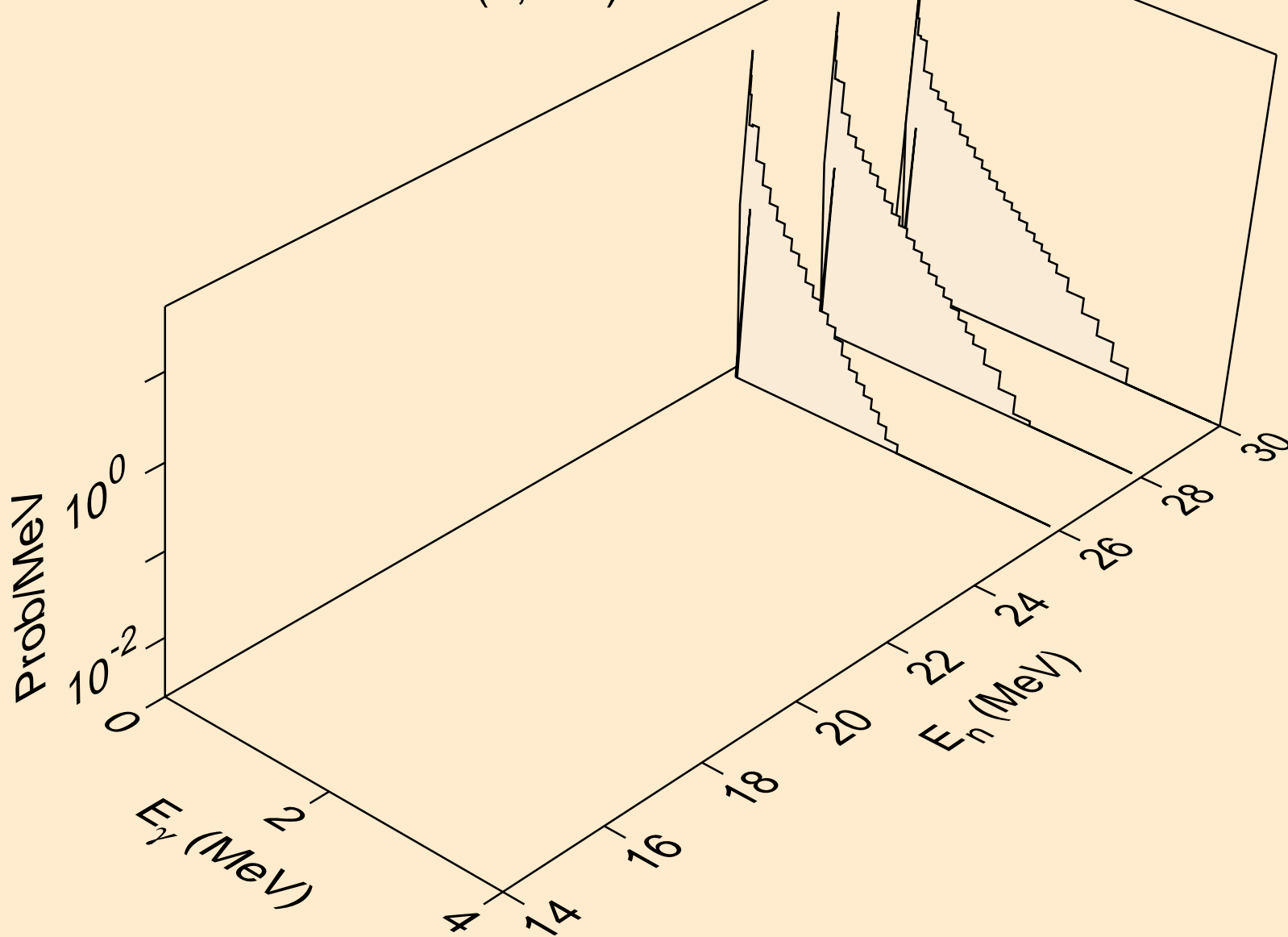
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

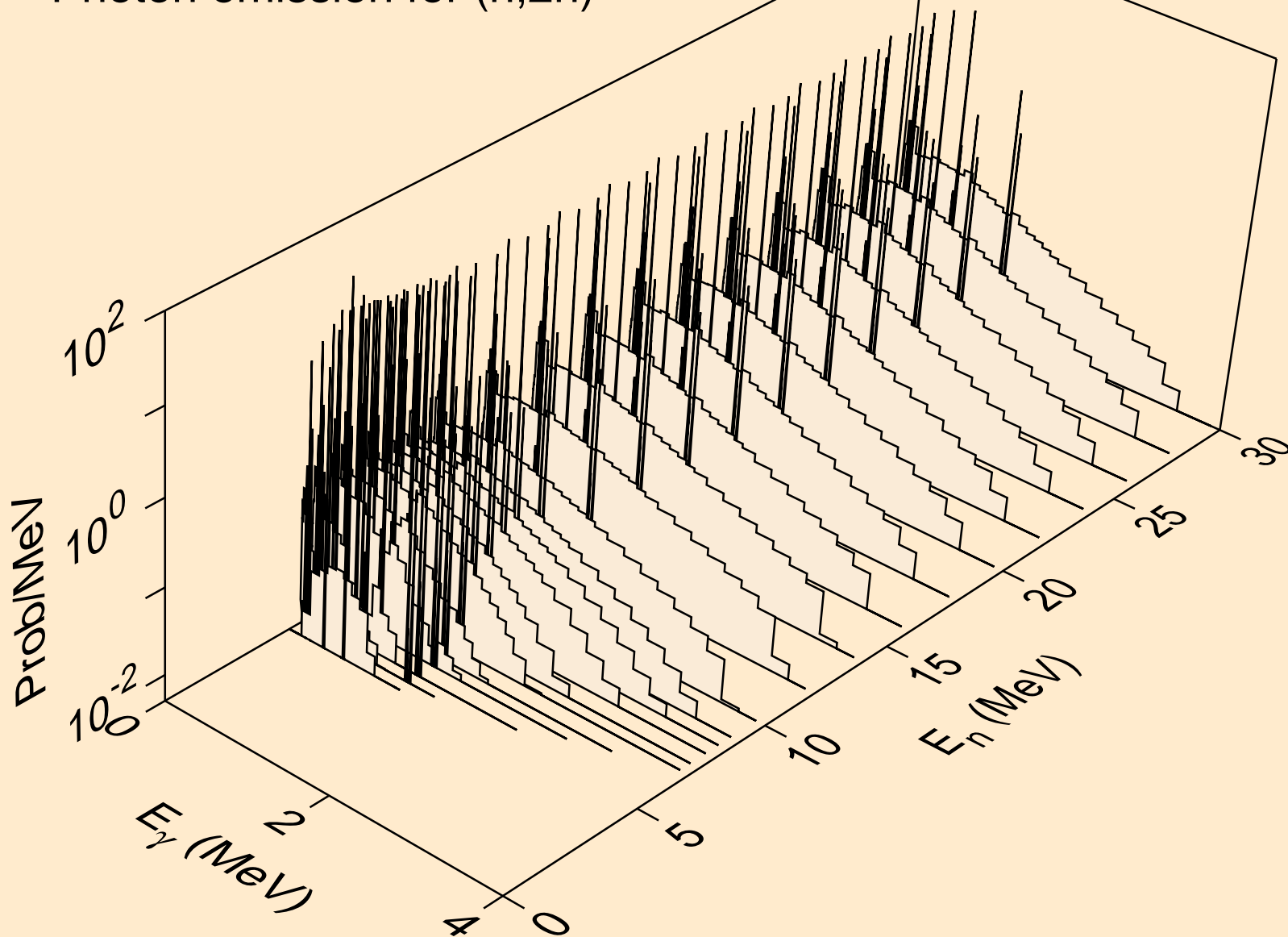


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Photon emission for (n,2nd)

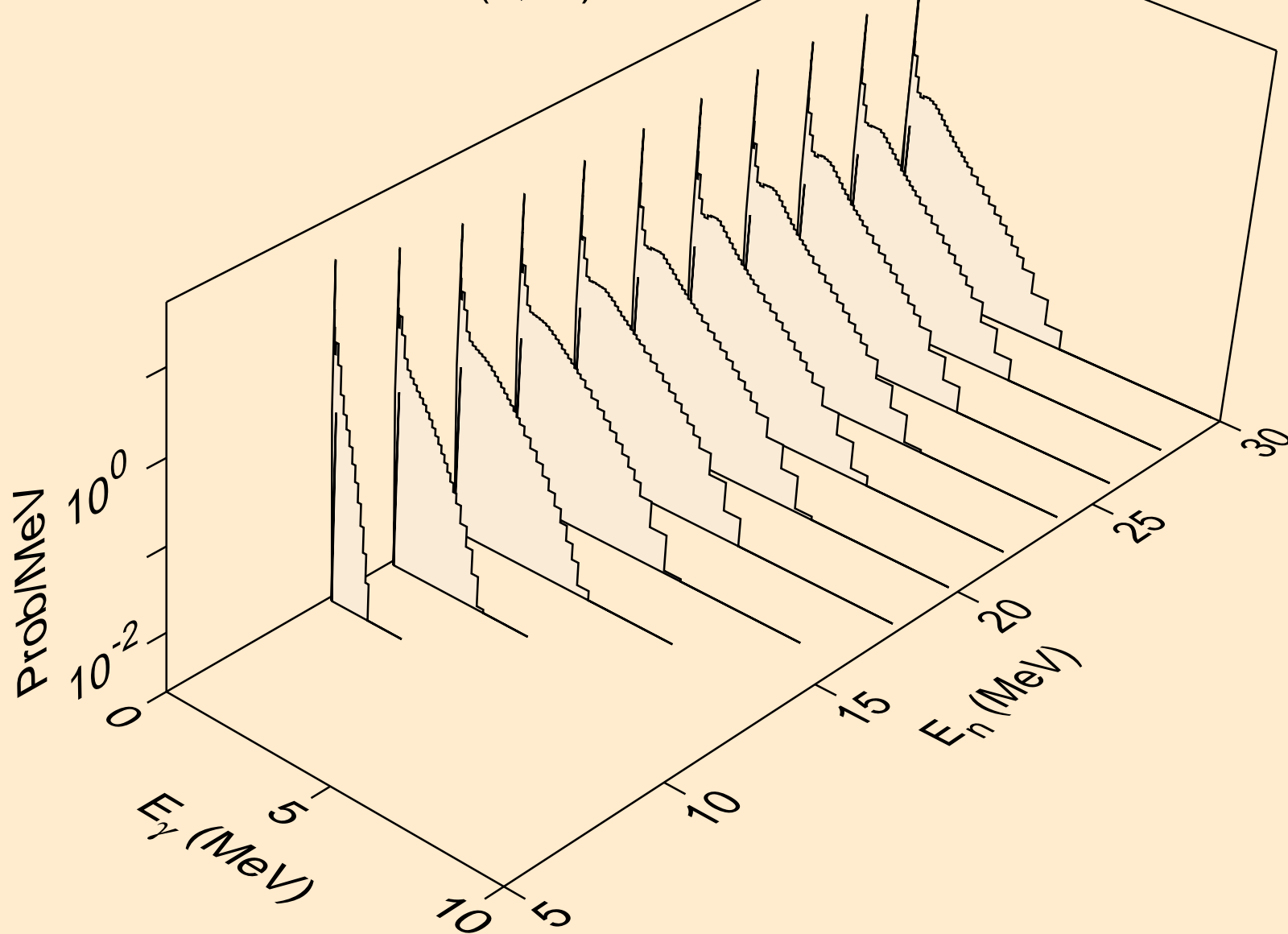




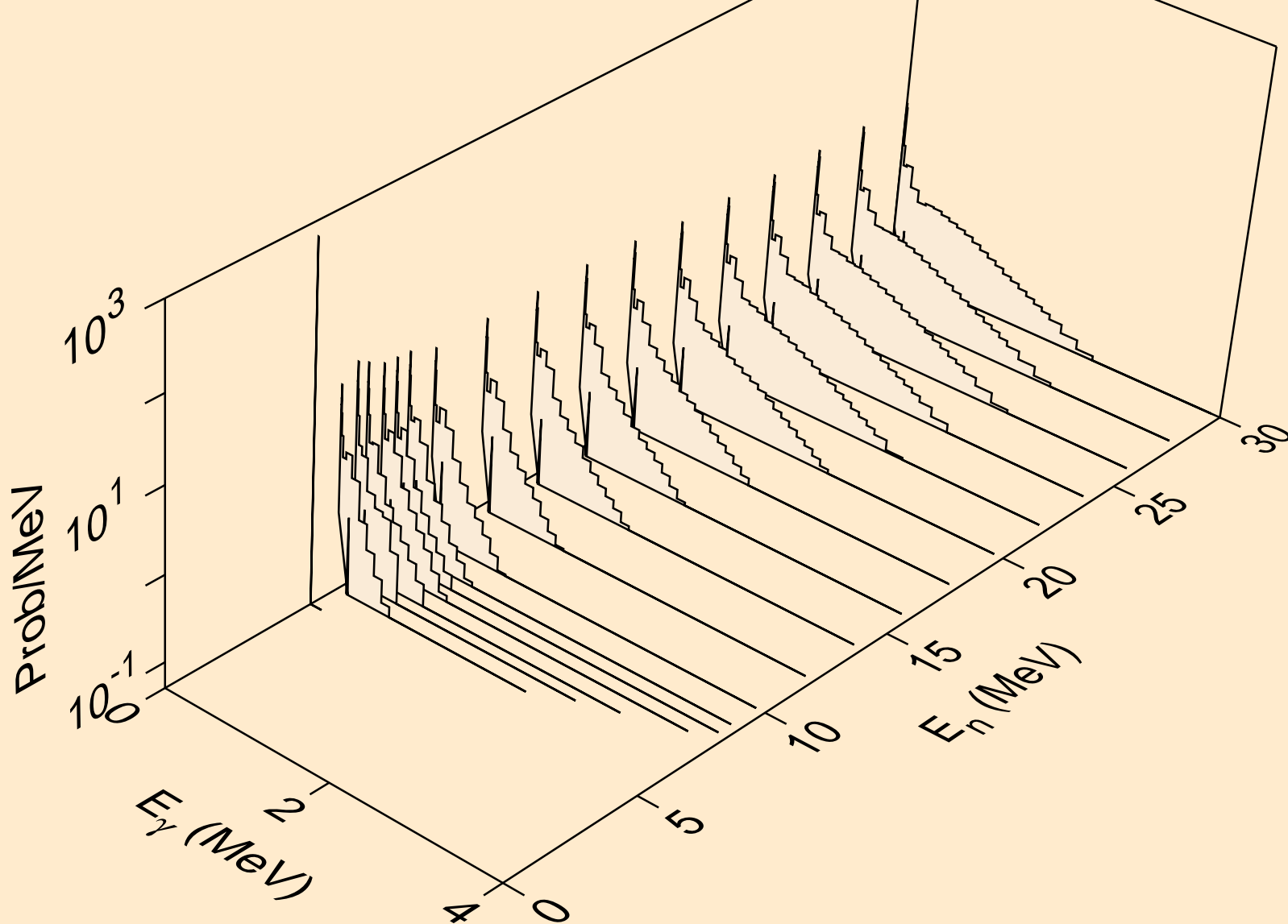
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Photon emission for (n,2n)



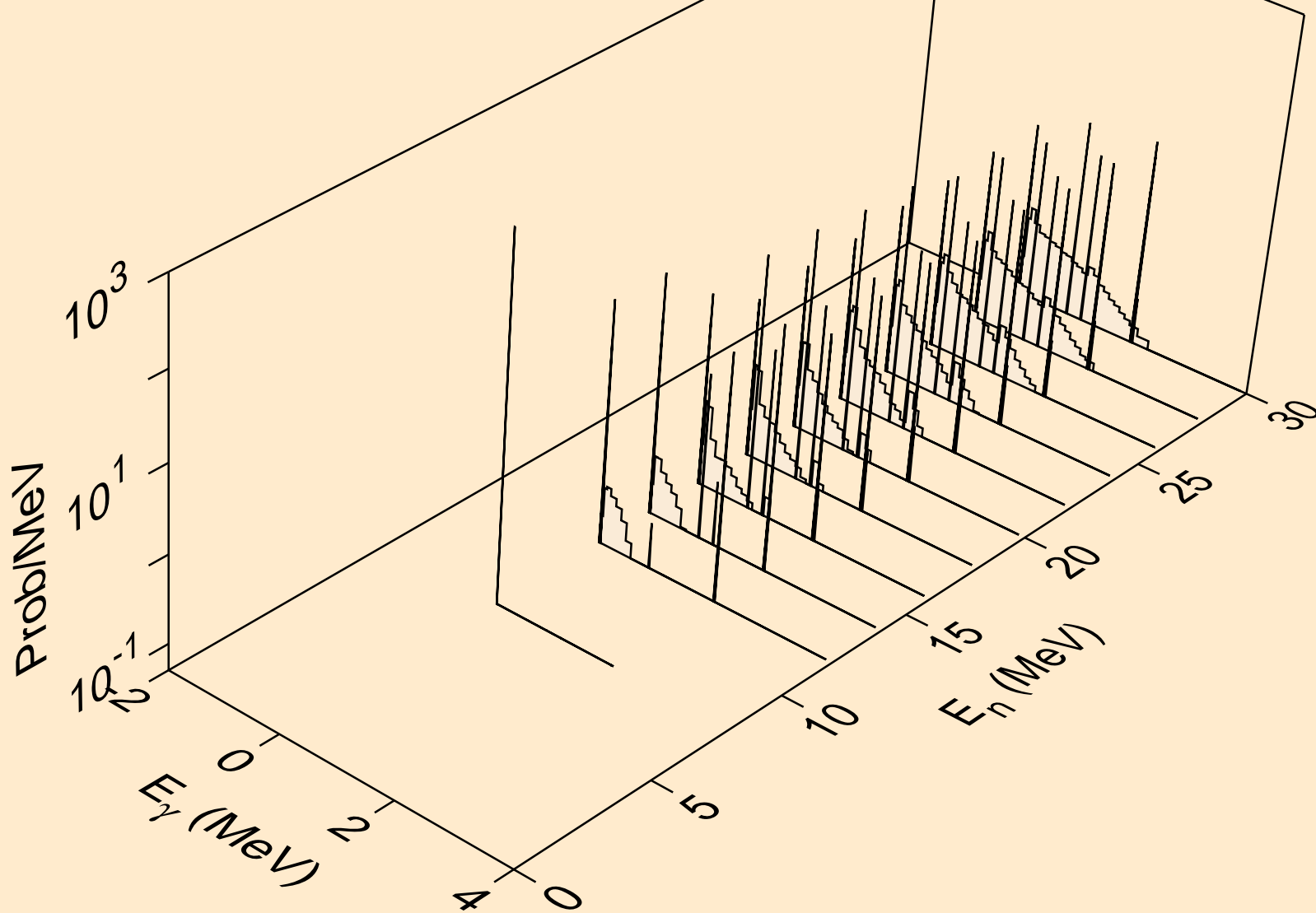
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Photon emission for (n,3n)



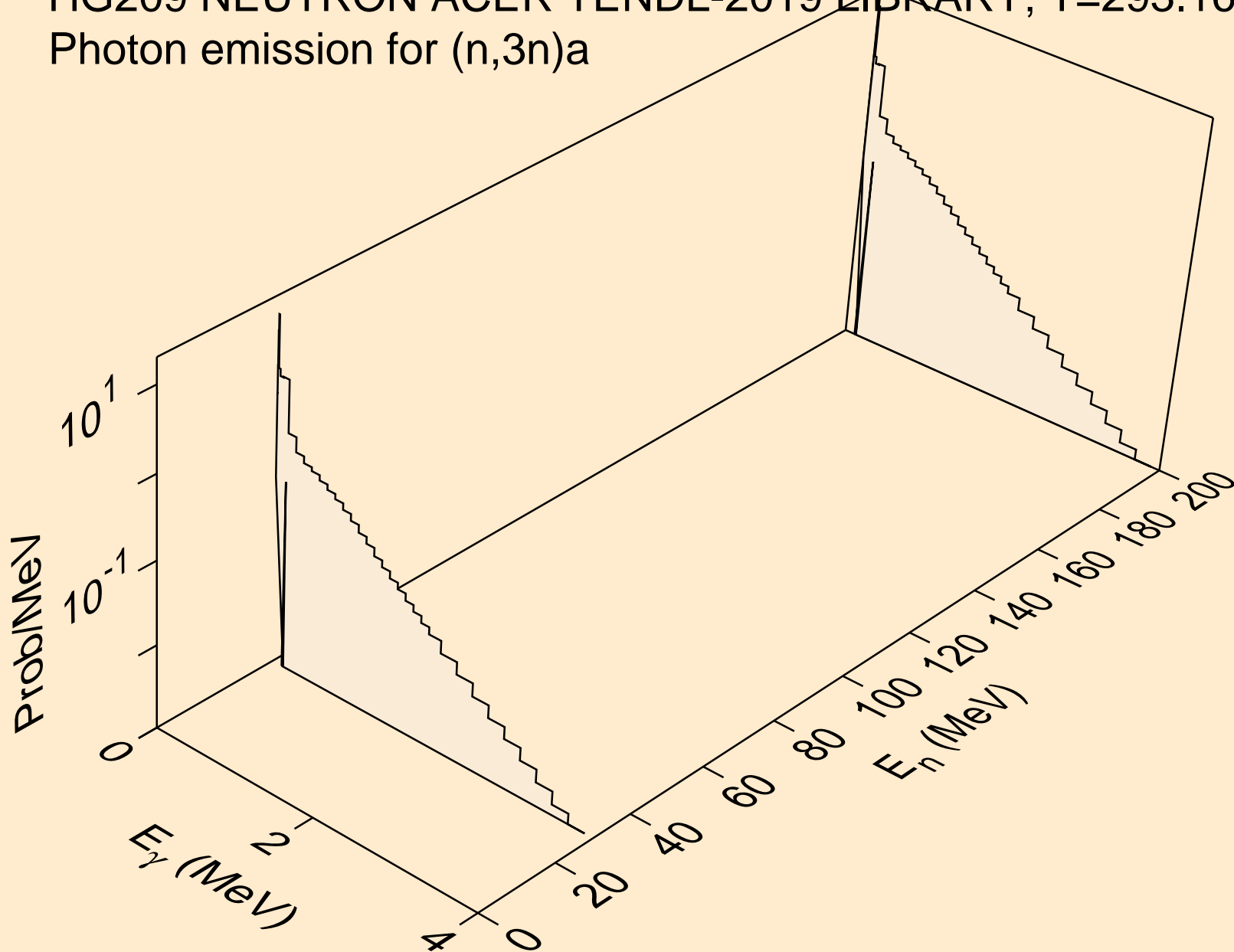
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Photon emission for (n,n\*)a



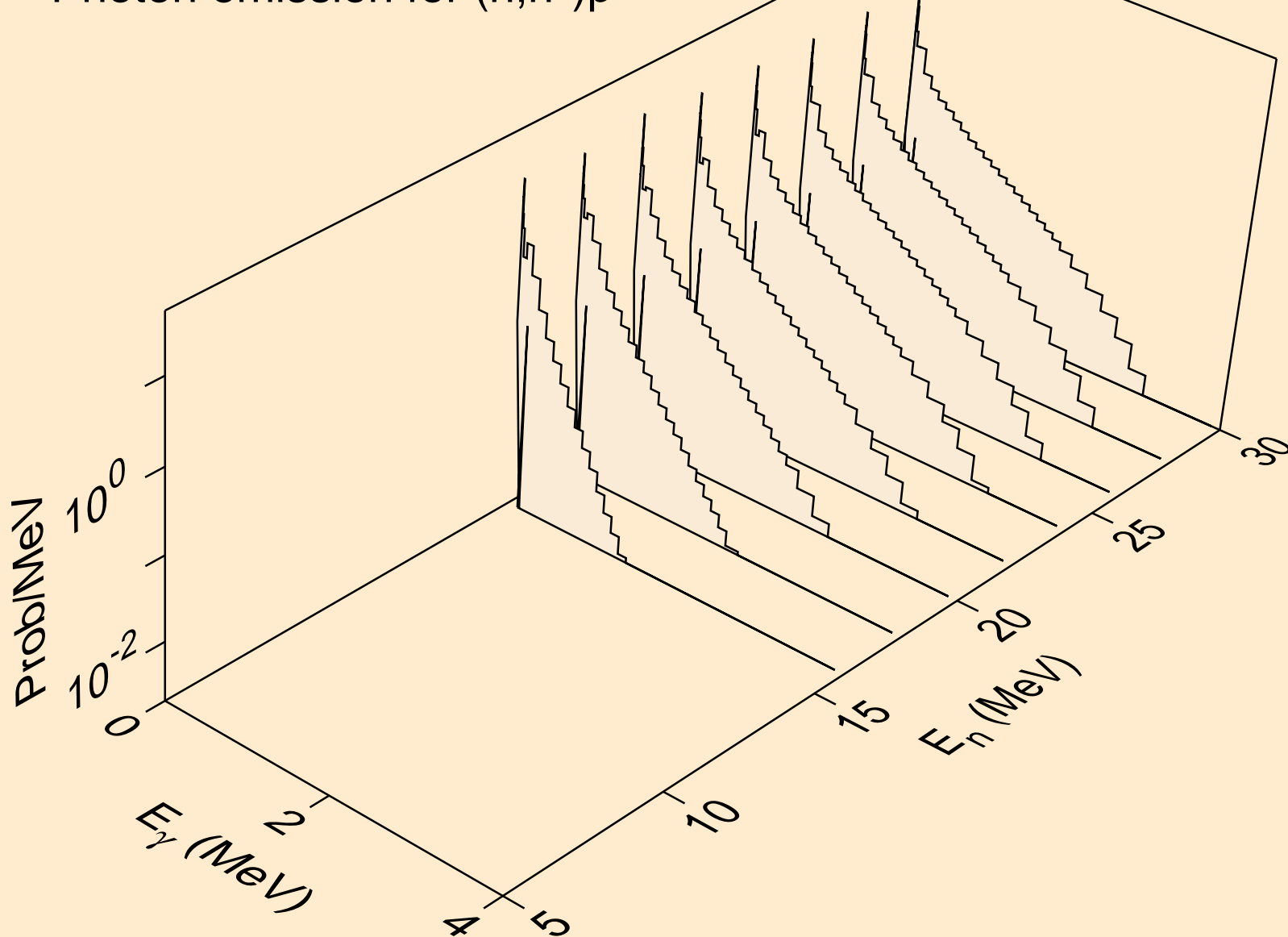
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Photon emission for (n,2n)a



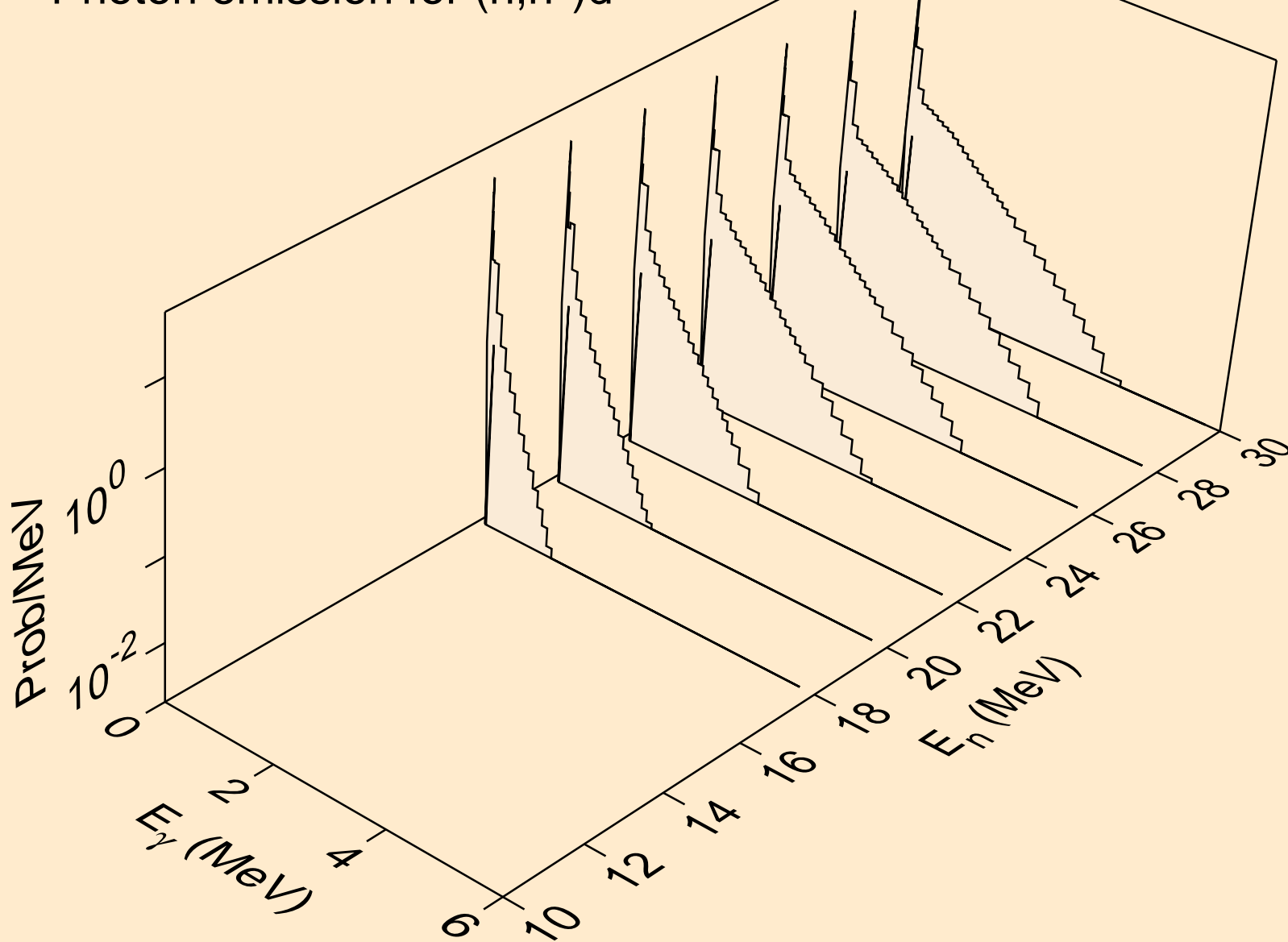
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Photon emission for (n,3n)a



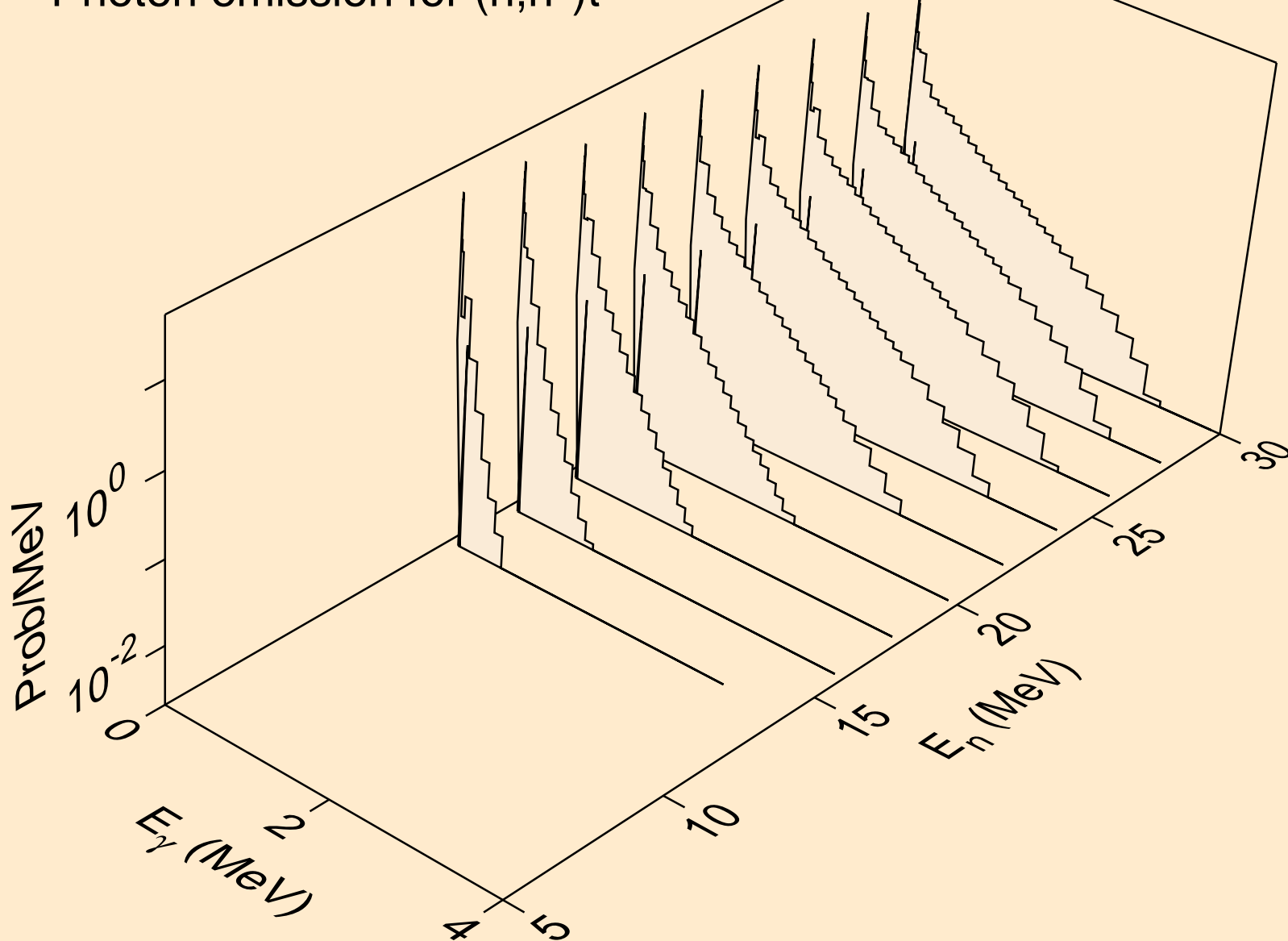
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

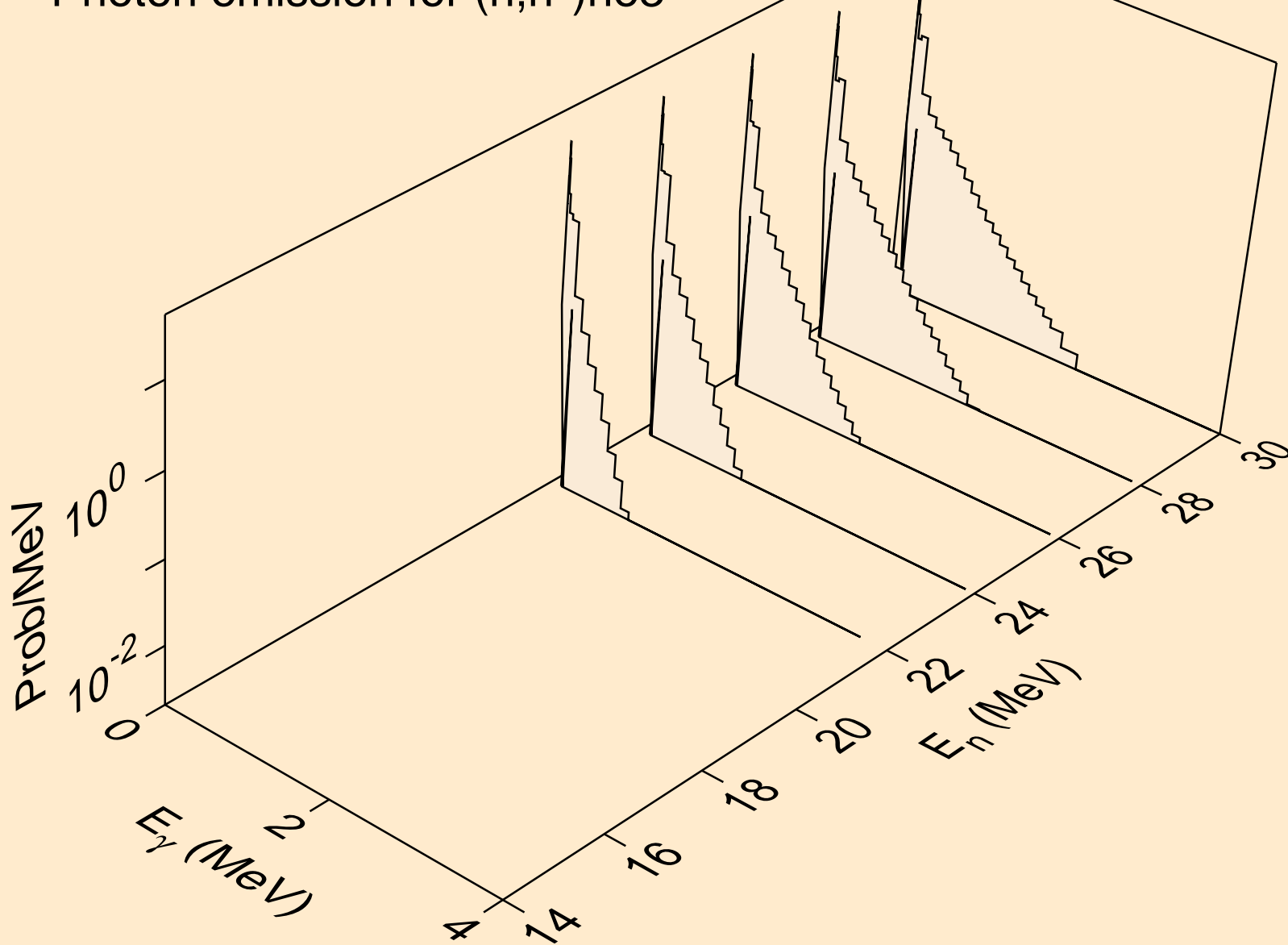


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Photon emission for (n,n\*)t

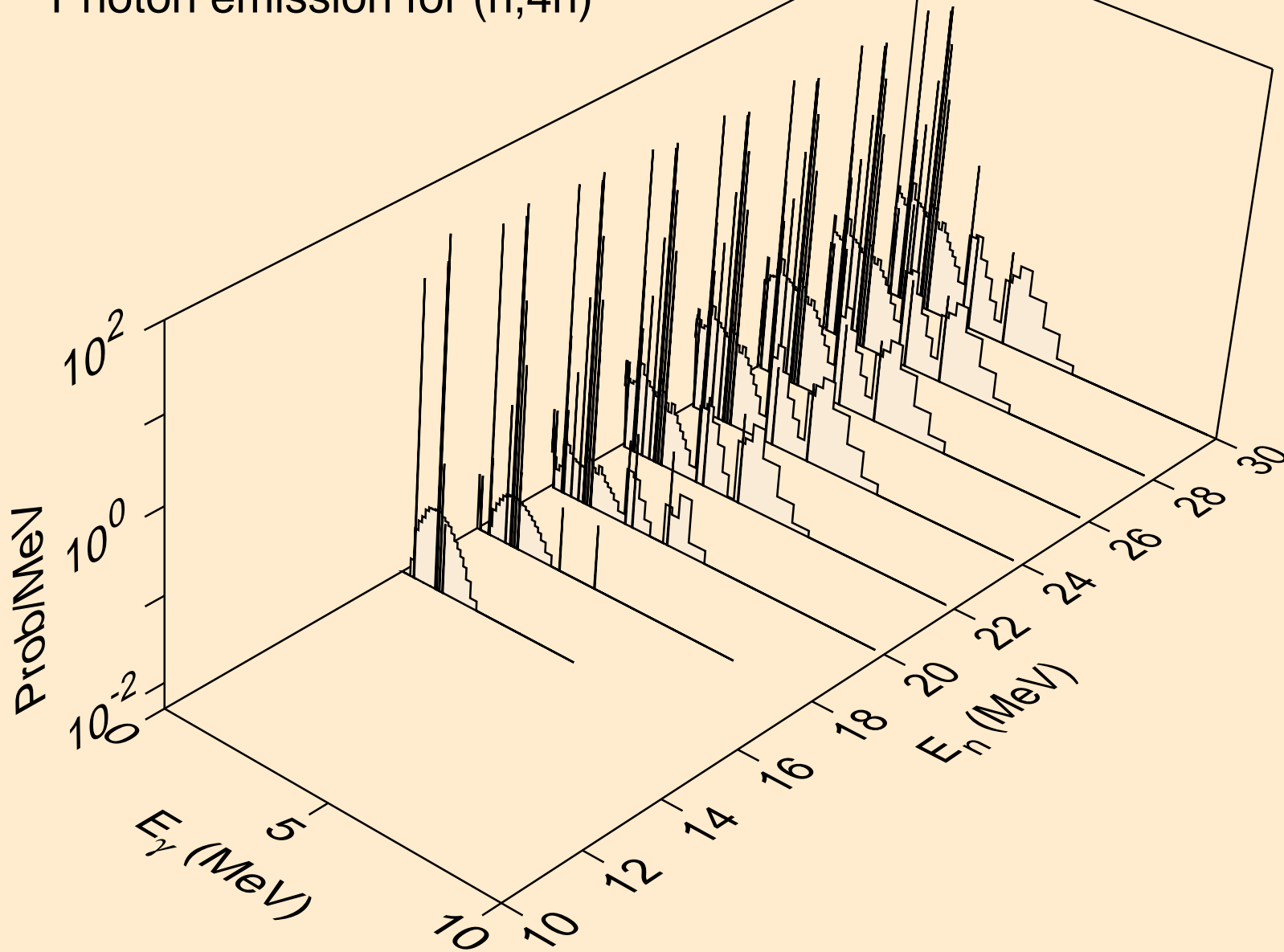




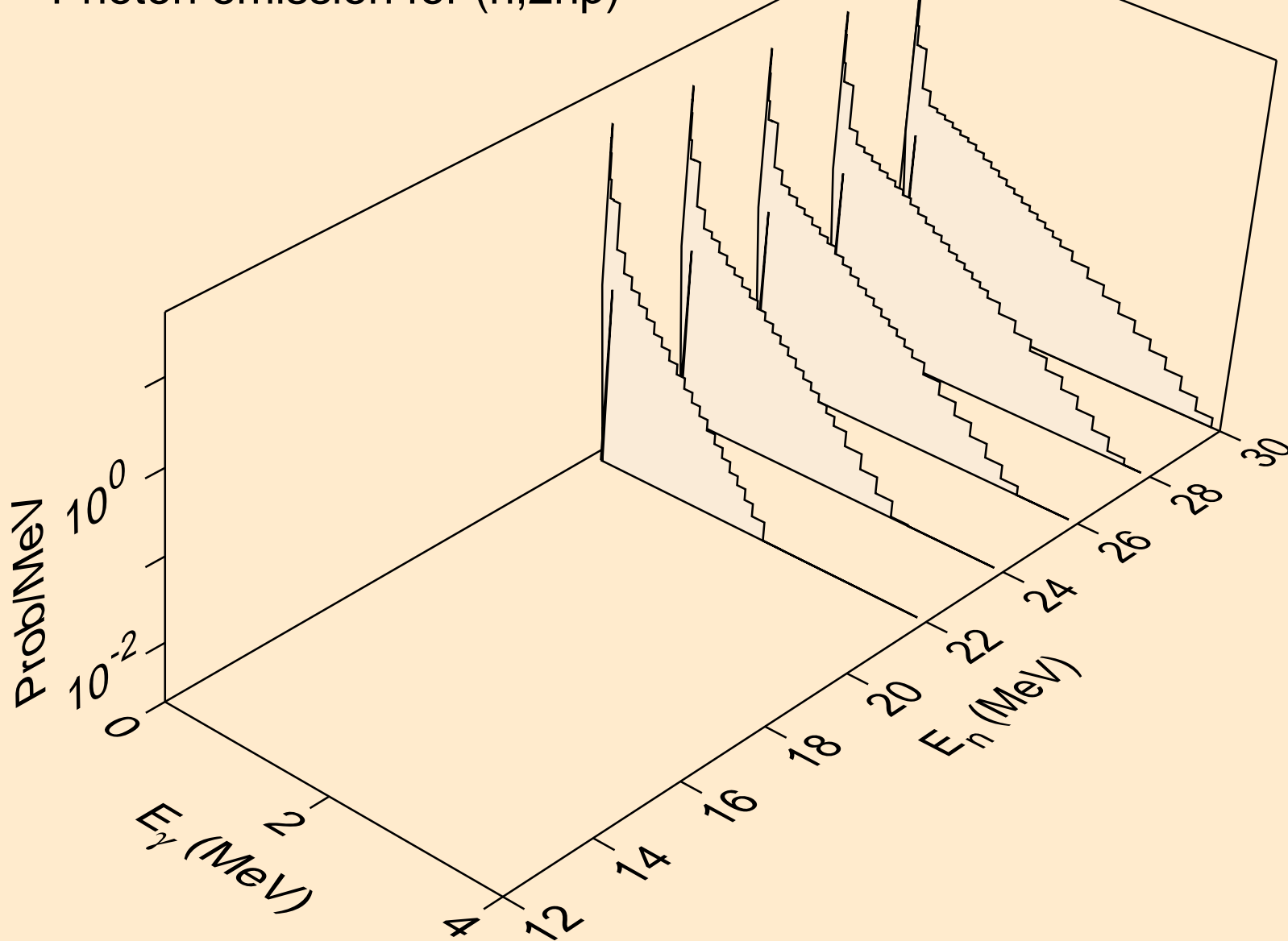
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Photon emission for (n,n\*)he3



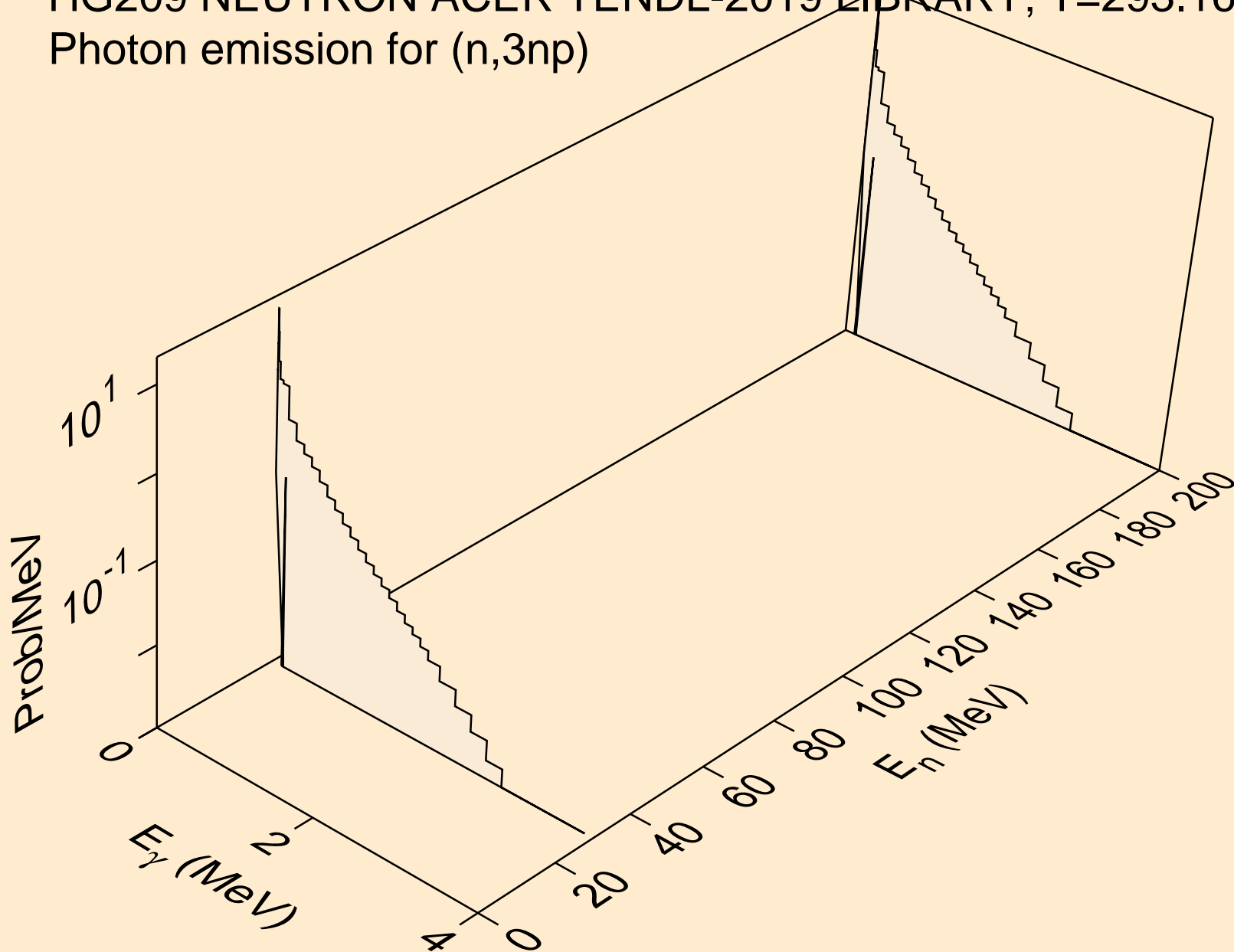
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Photon emission for (n,4n)



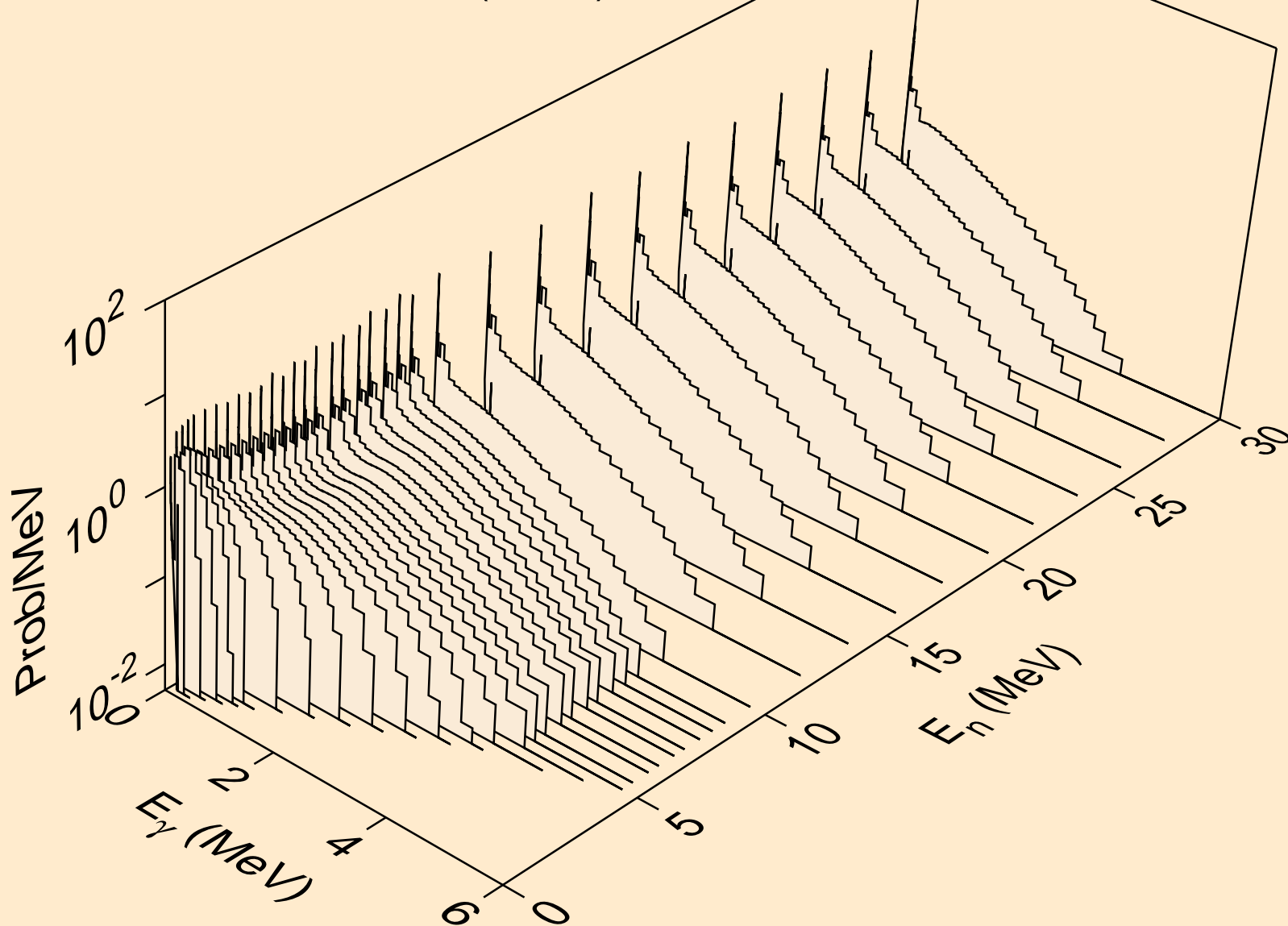
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Photon emission for (n,2np)



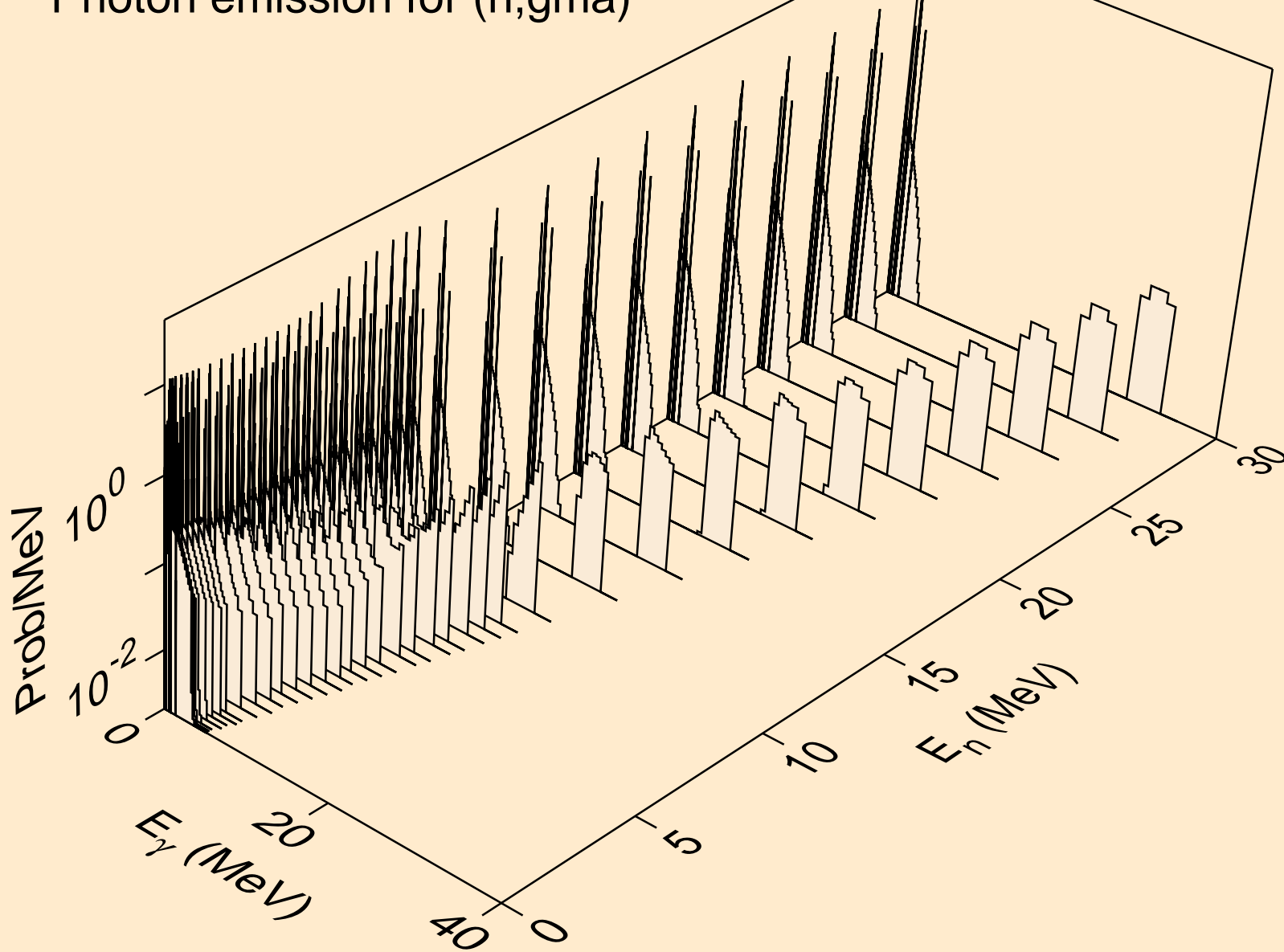
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Photon emission for (n,3np)



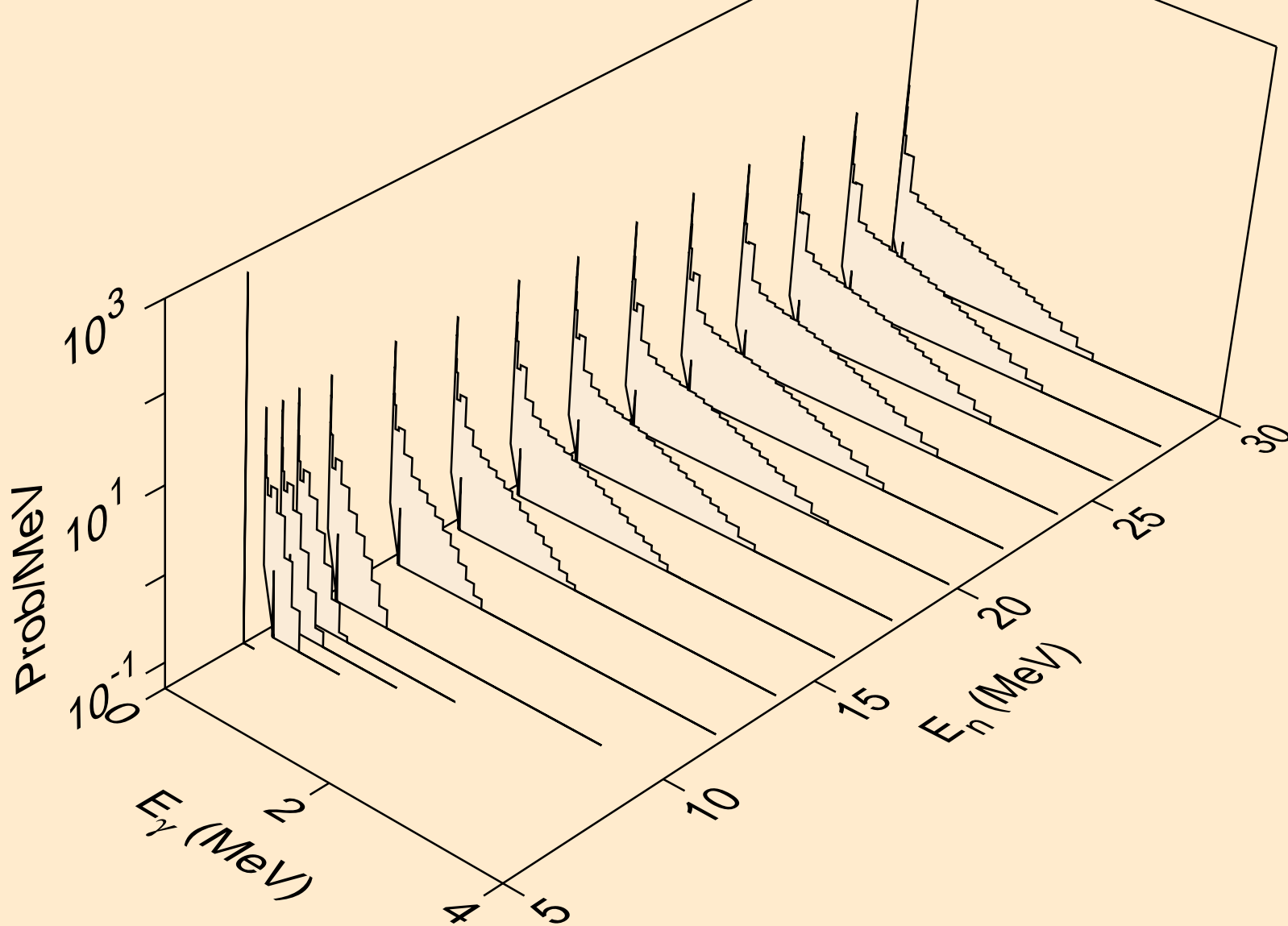
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Photon emission for (n,n\*c)



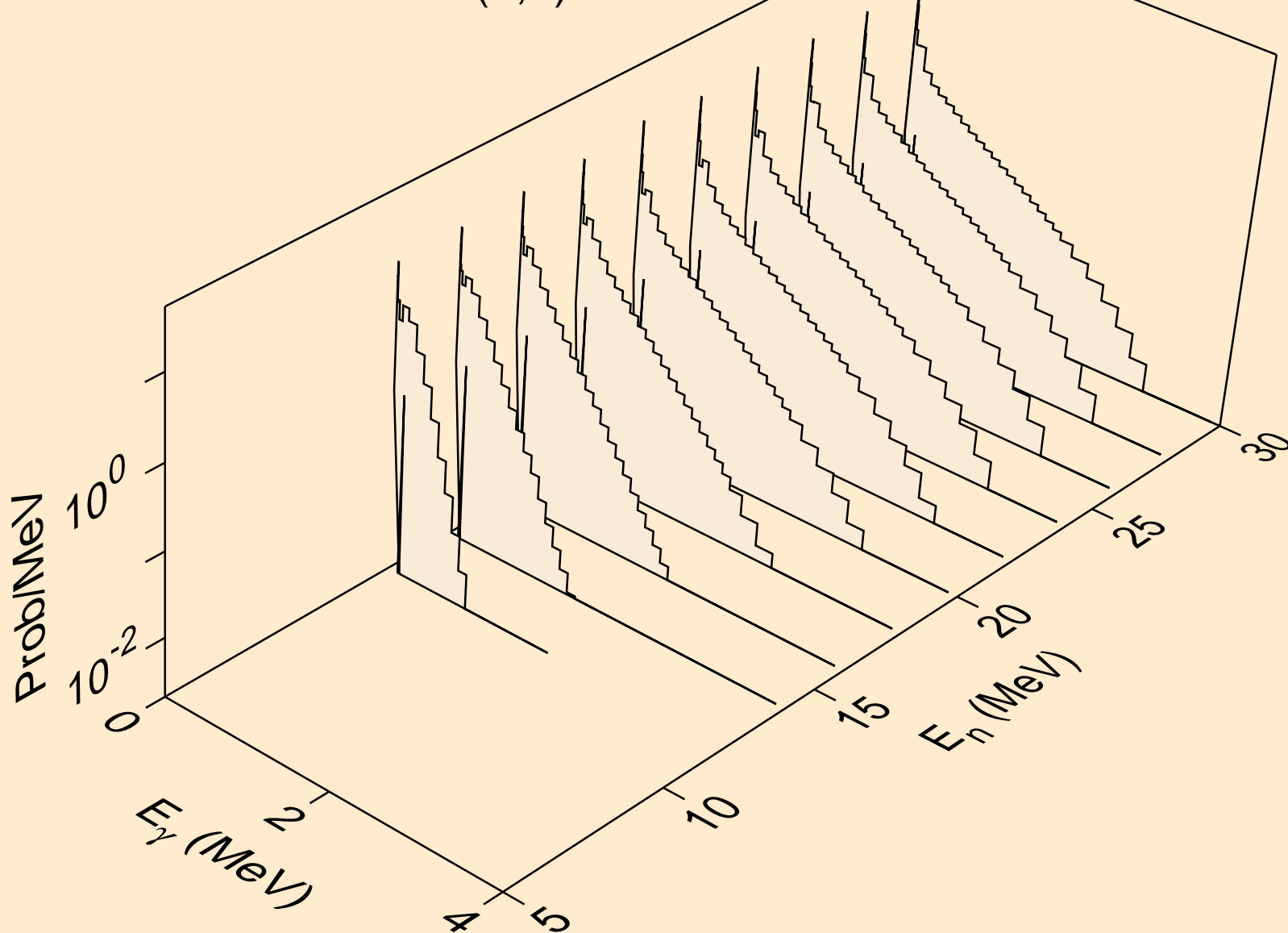
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

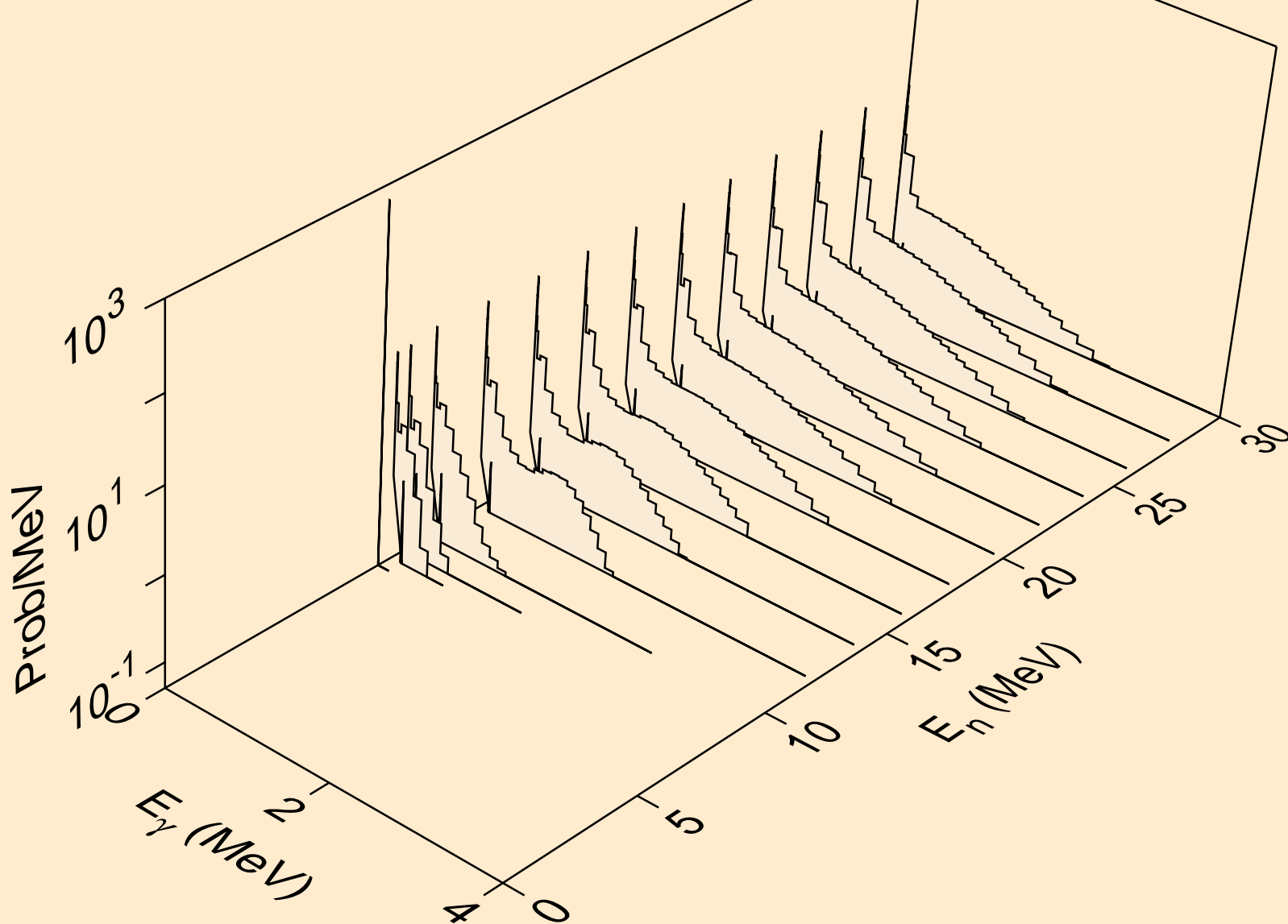


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Photon emission for (n,d)

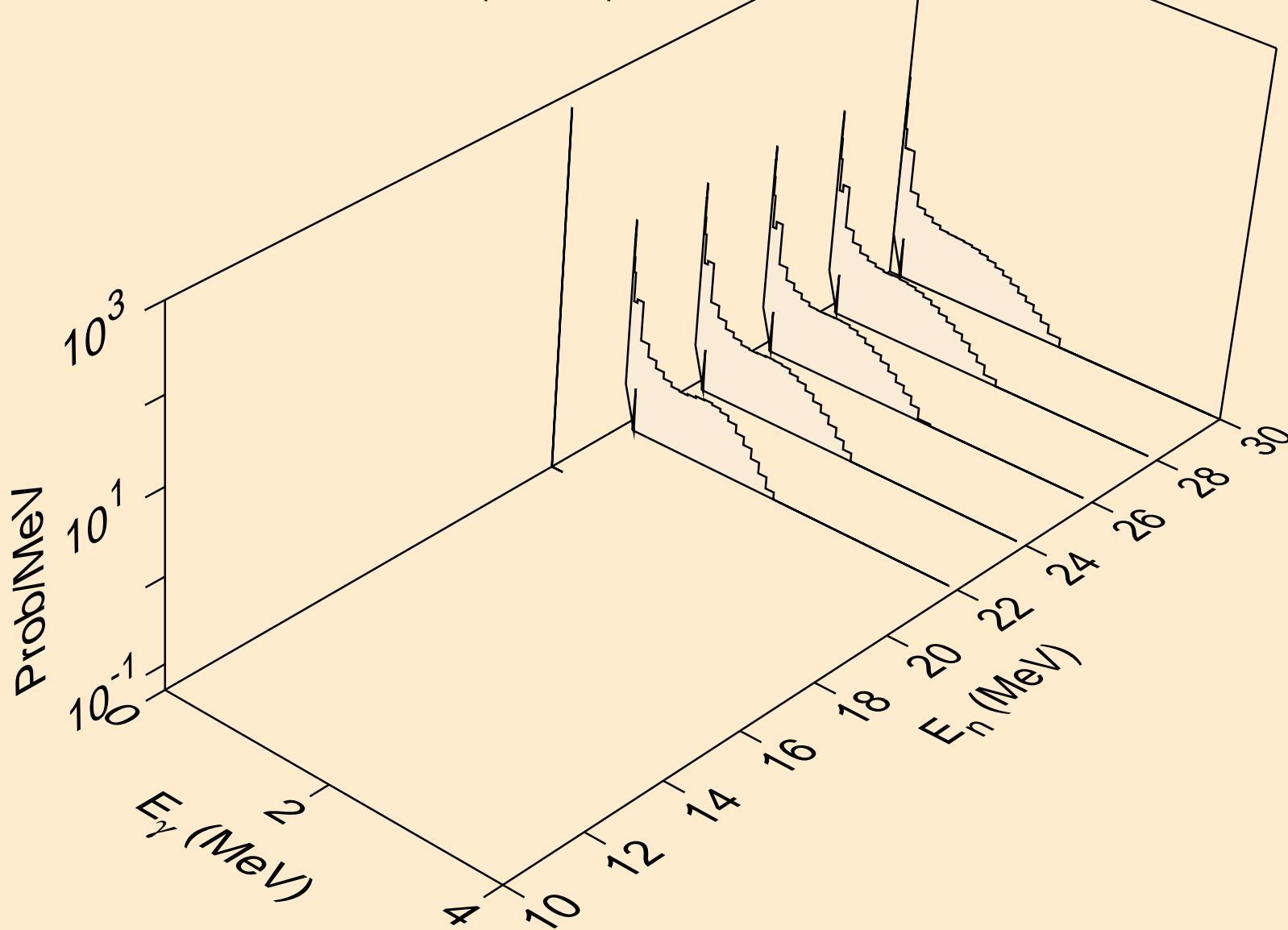




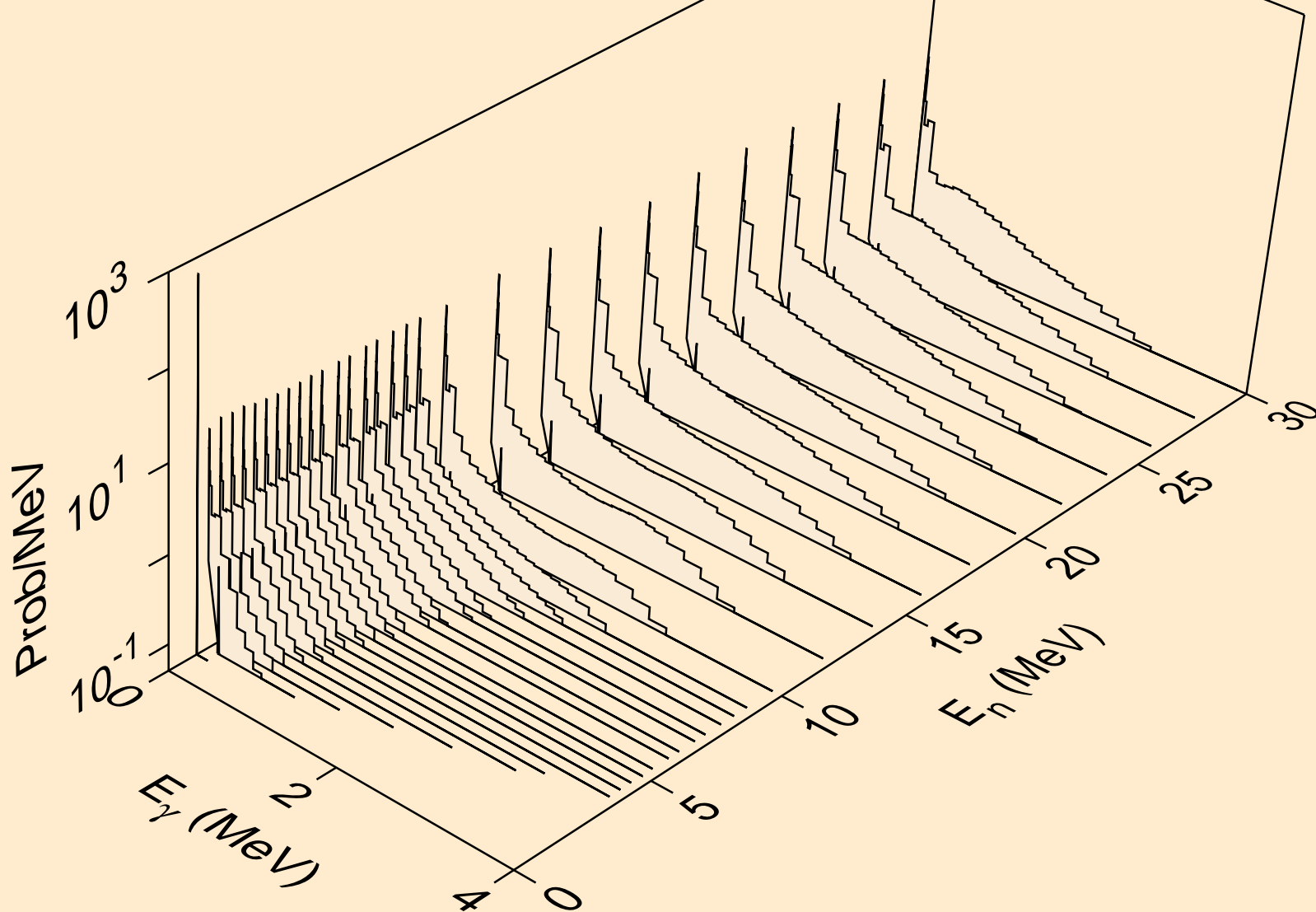
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Photon emission for (n,t)



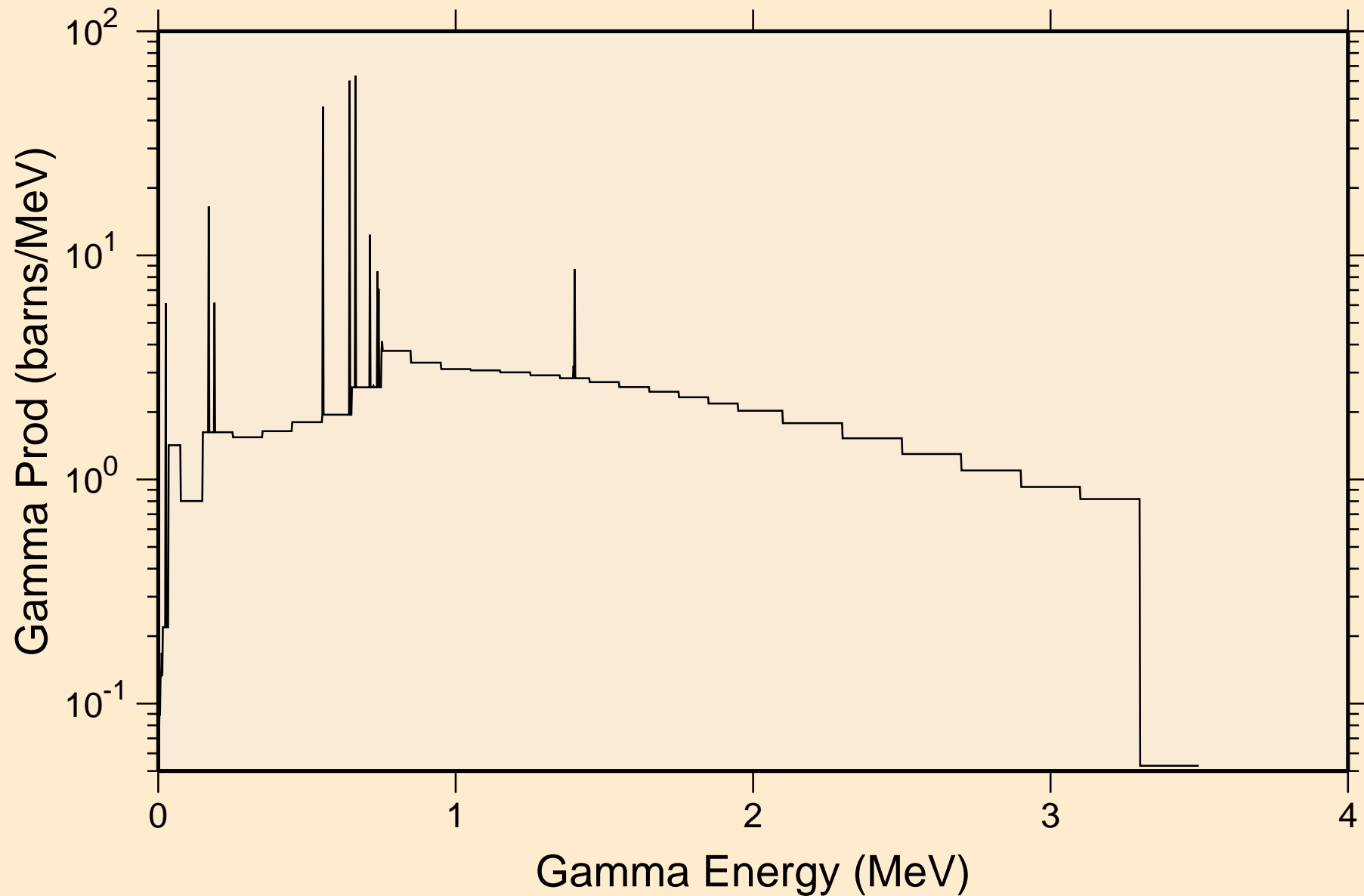
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Photon emission for (n,he3)



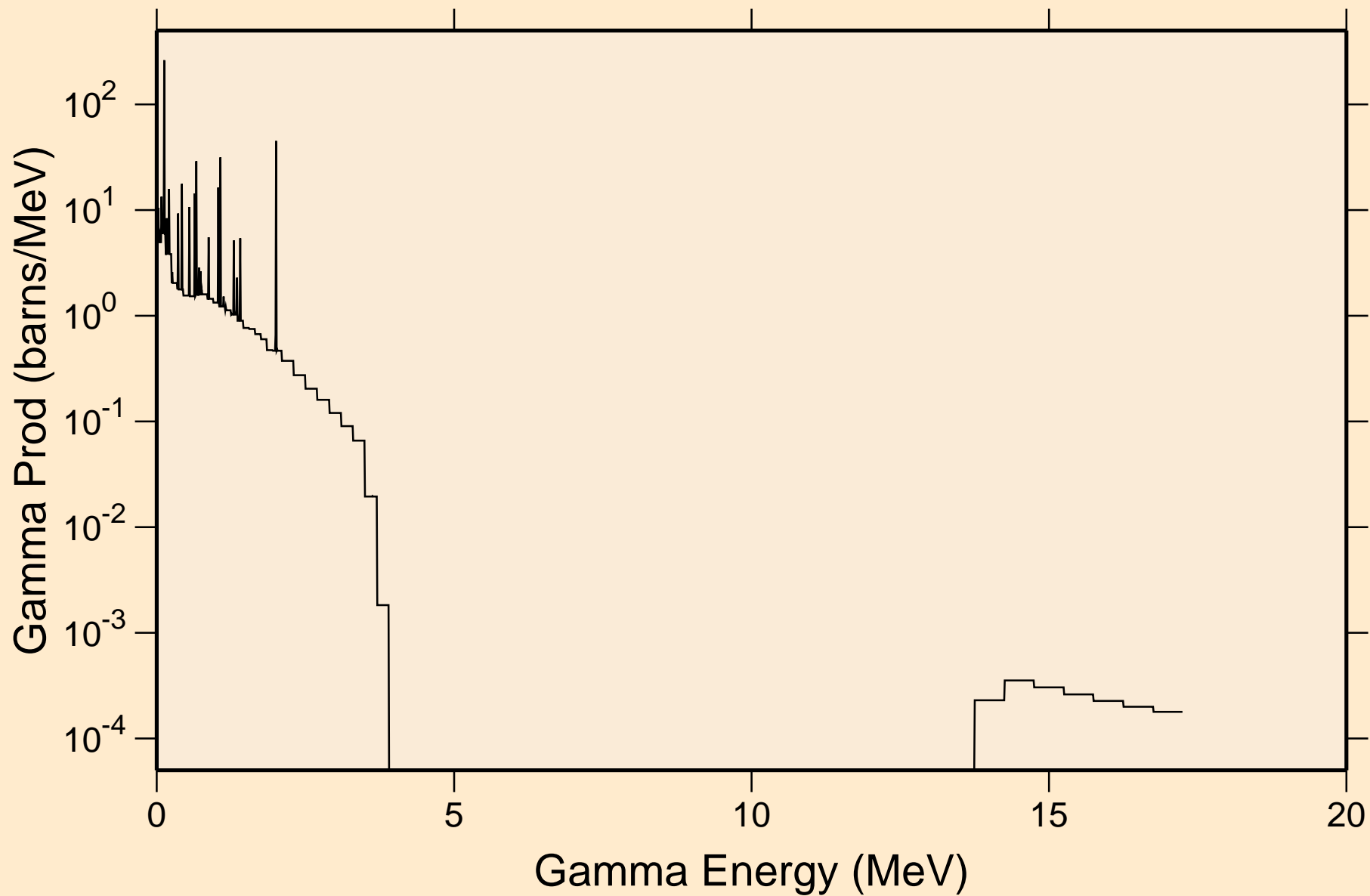
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

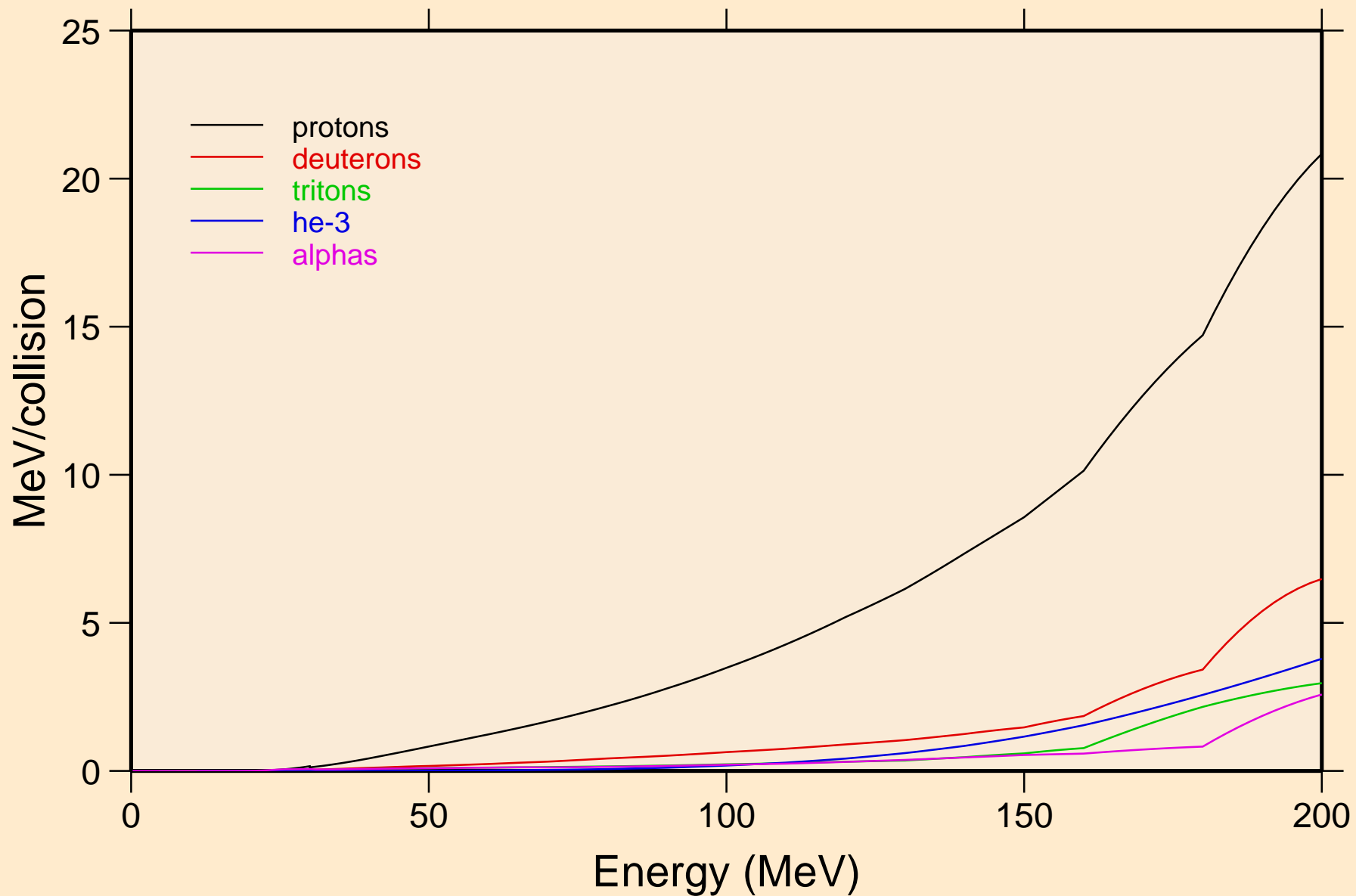


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



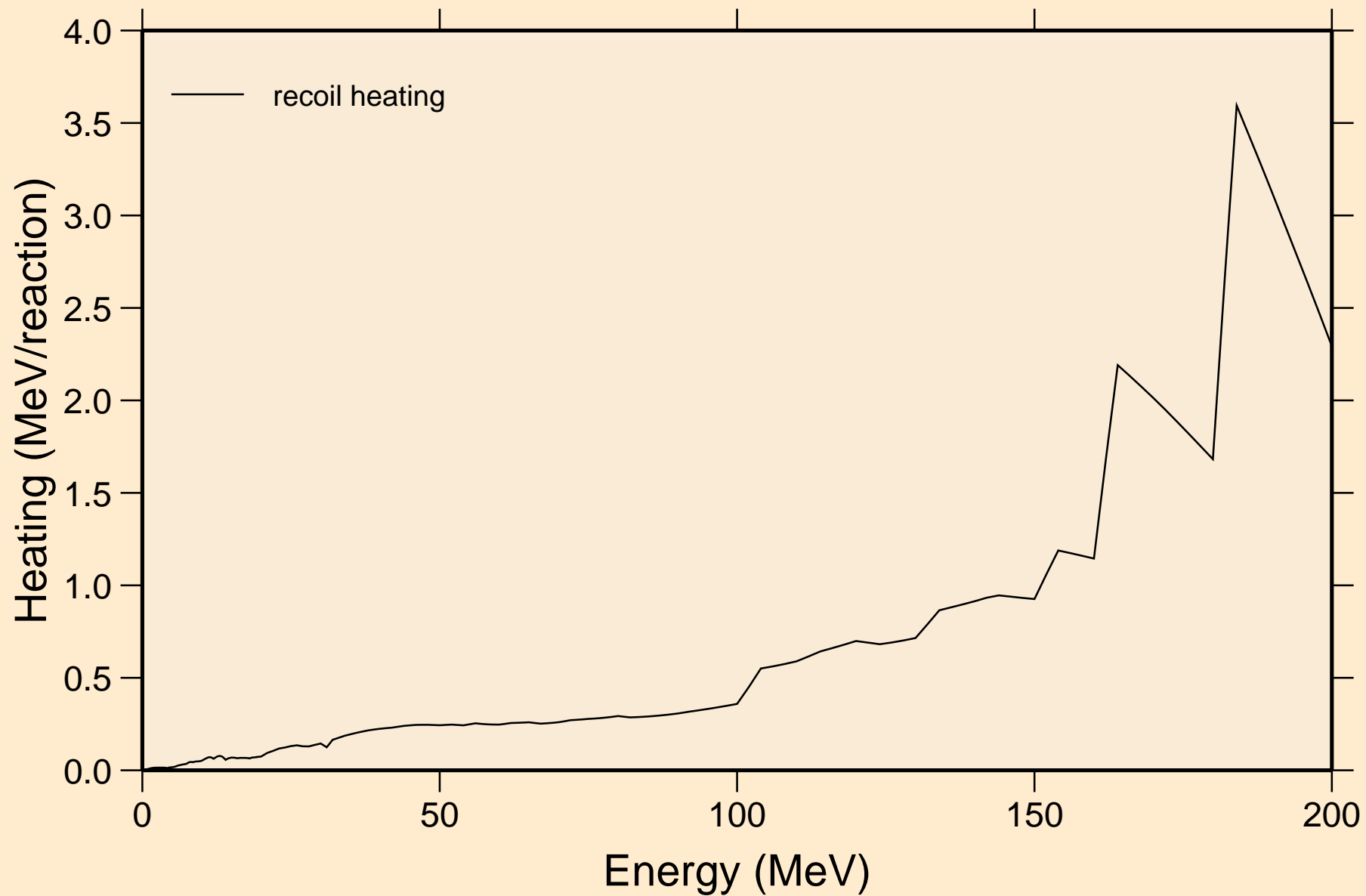
# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



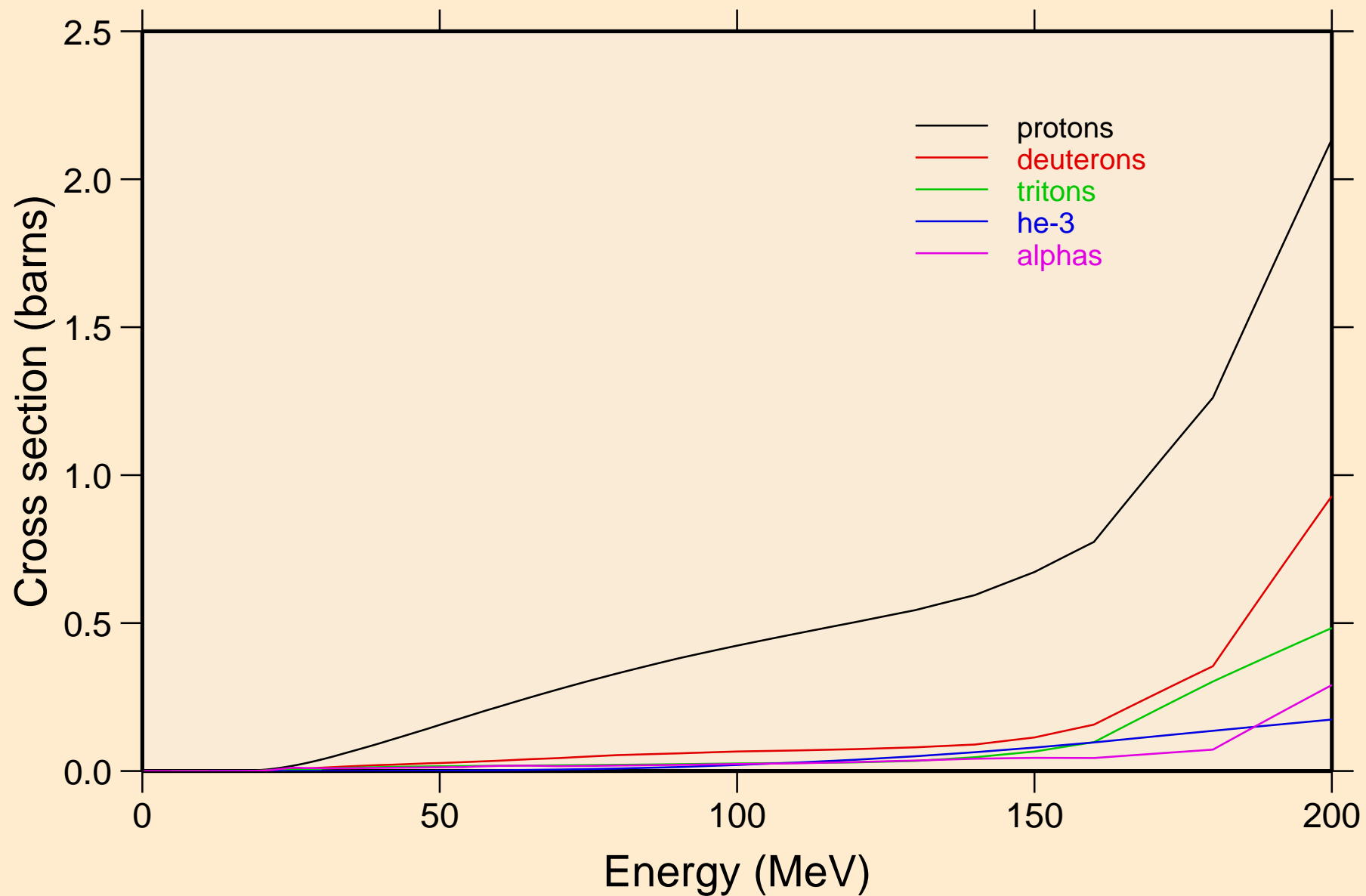
# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Recoil Heating



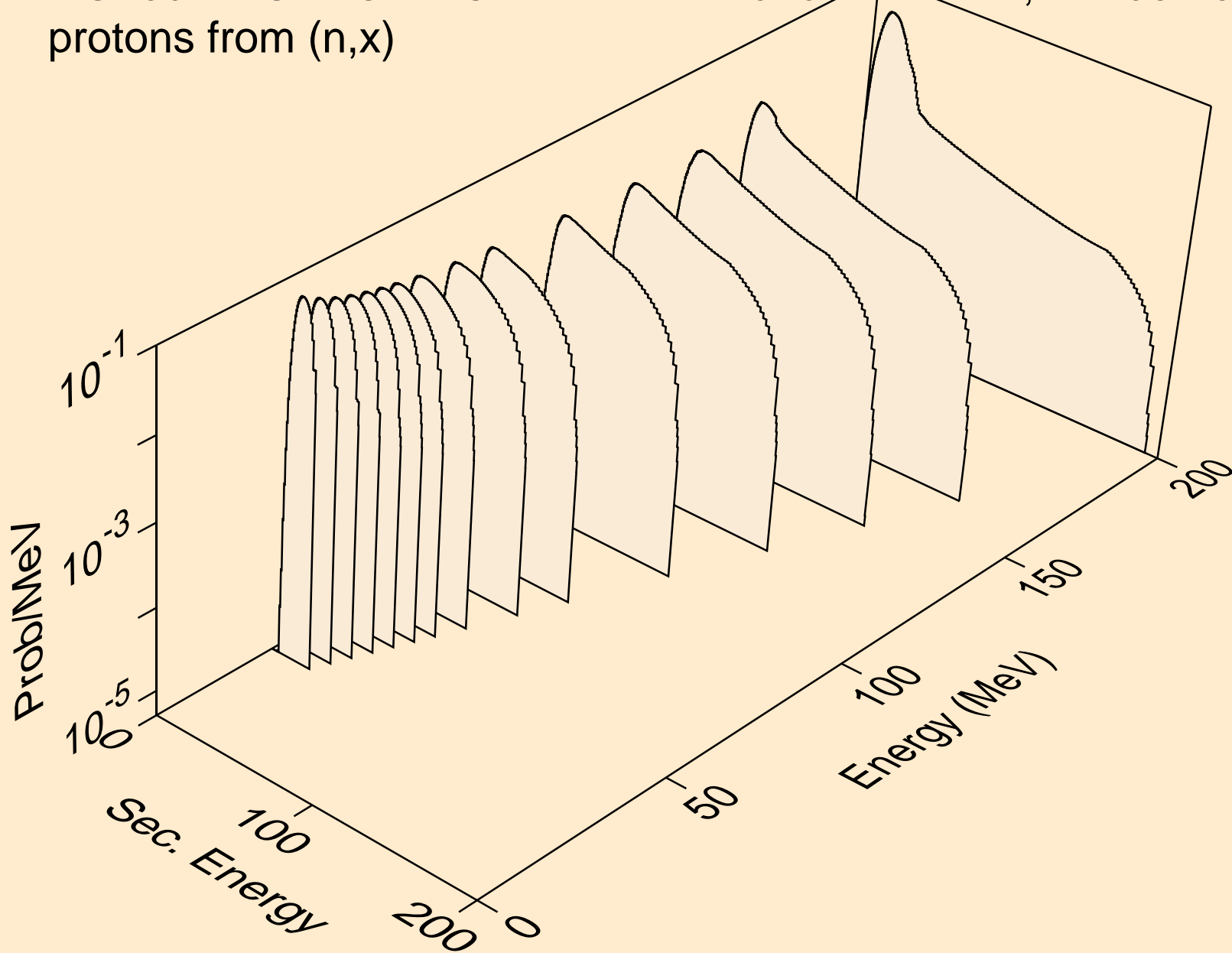
# HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

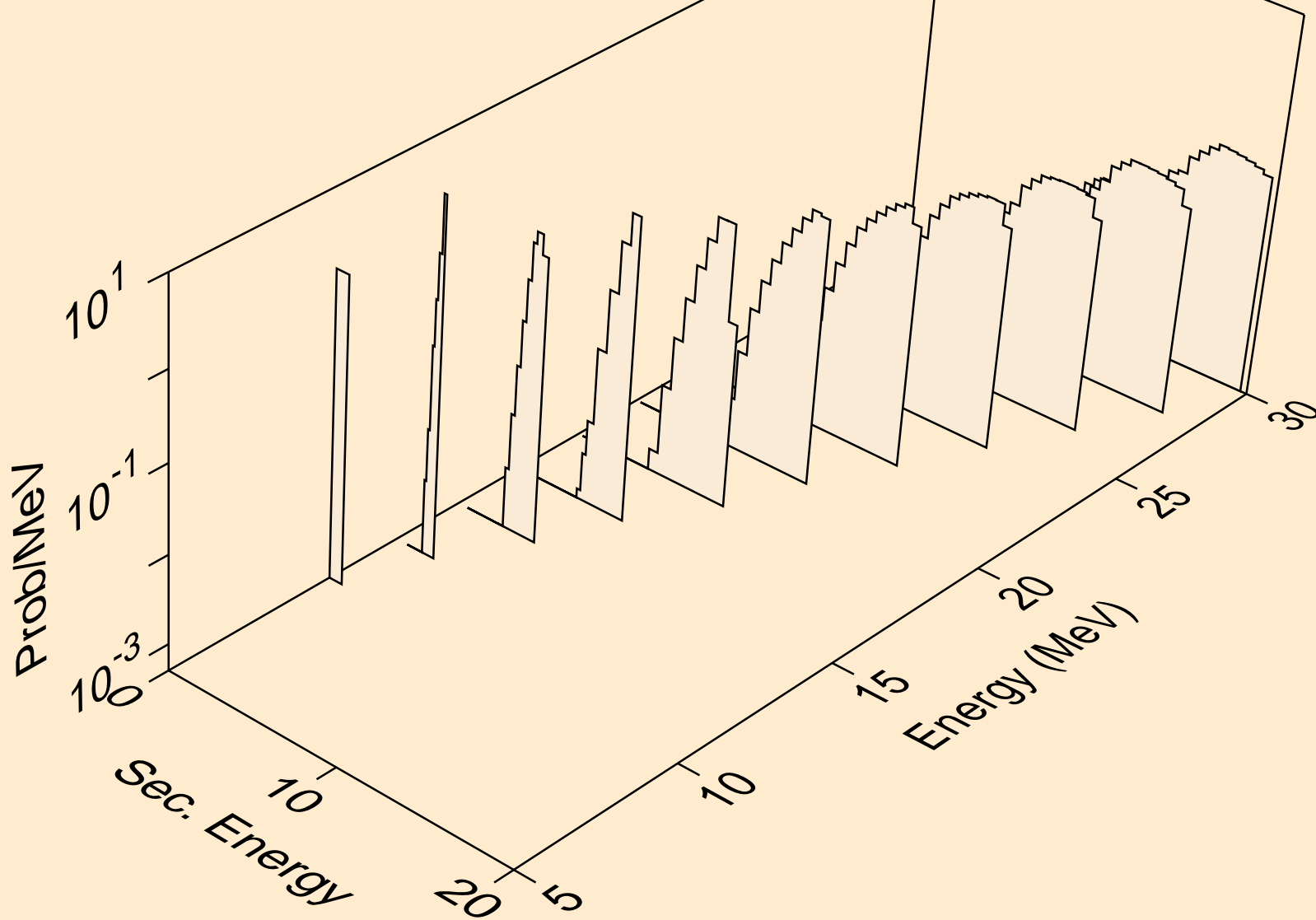




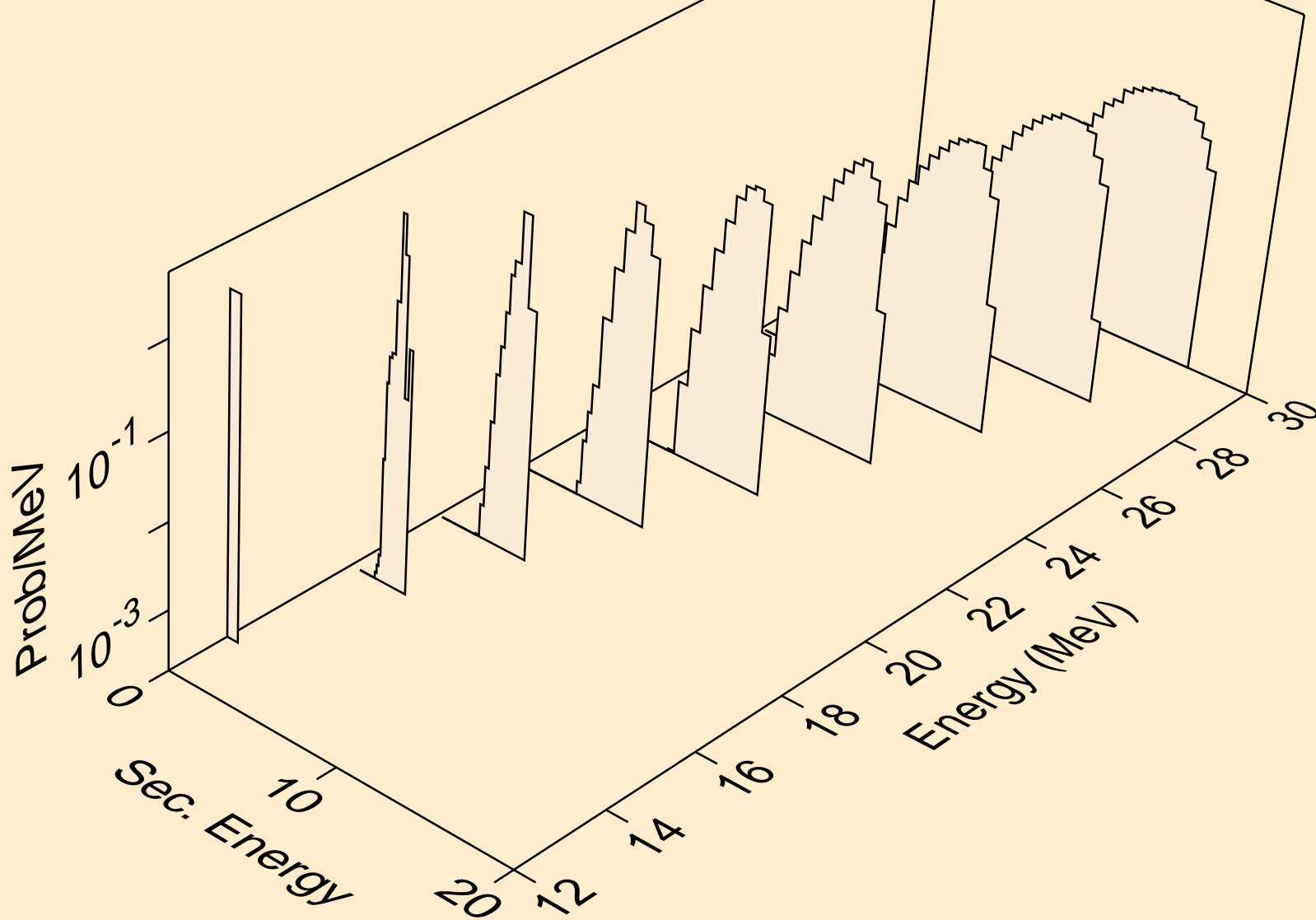
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



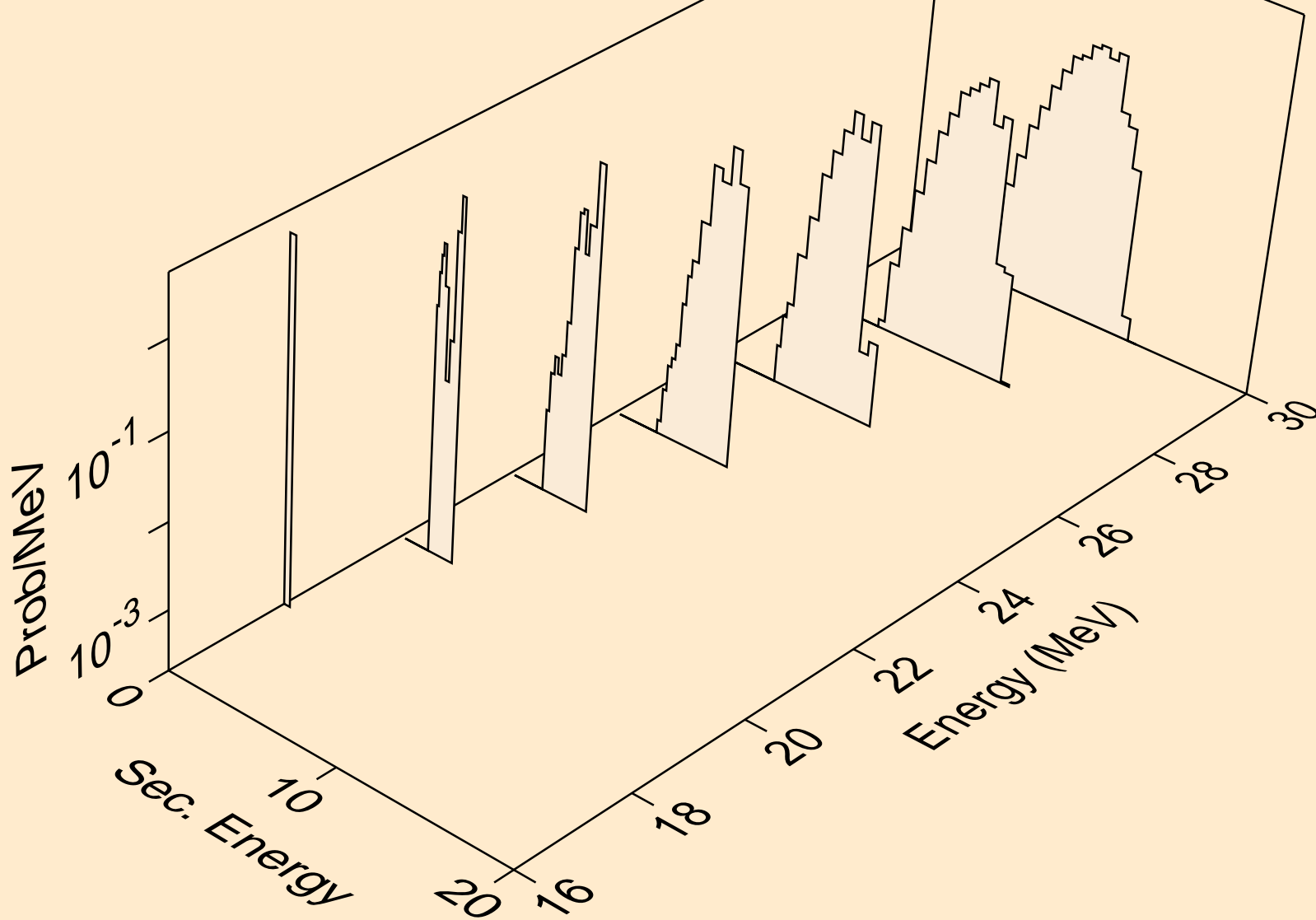
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



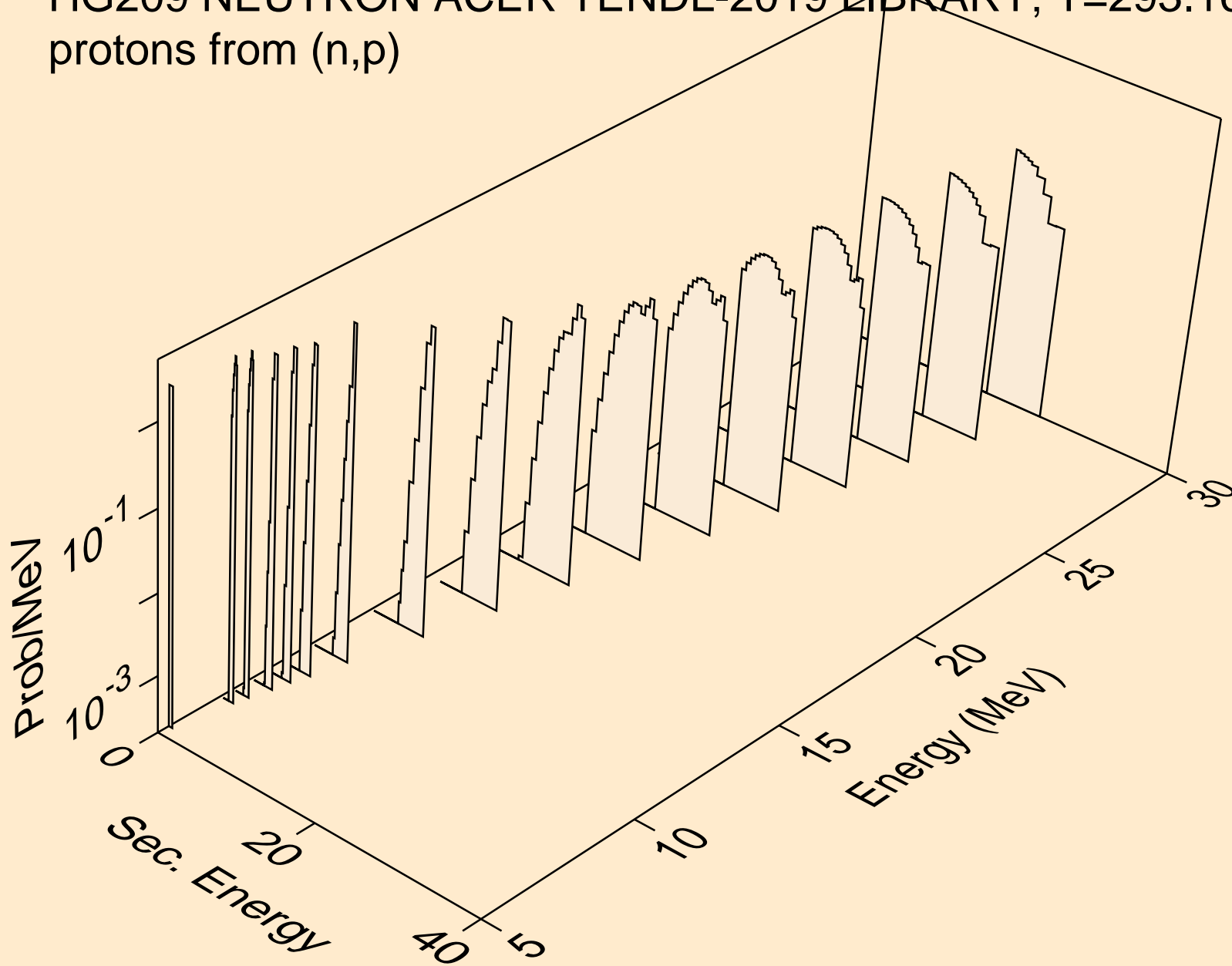
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



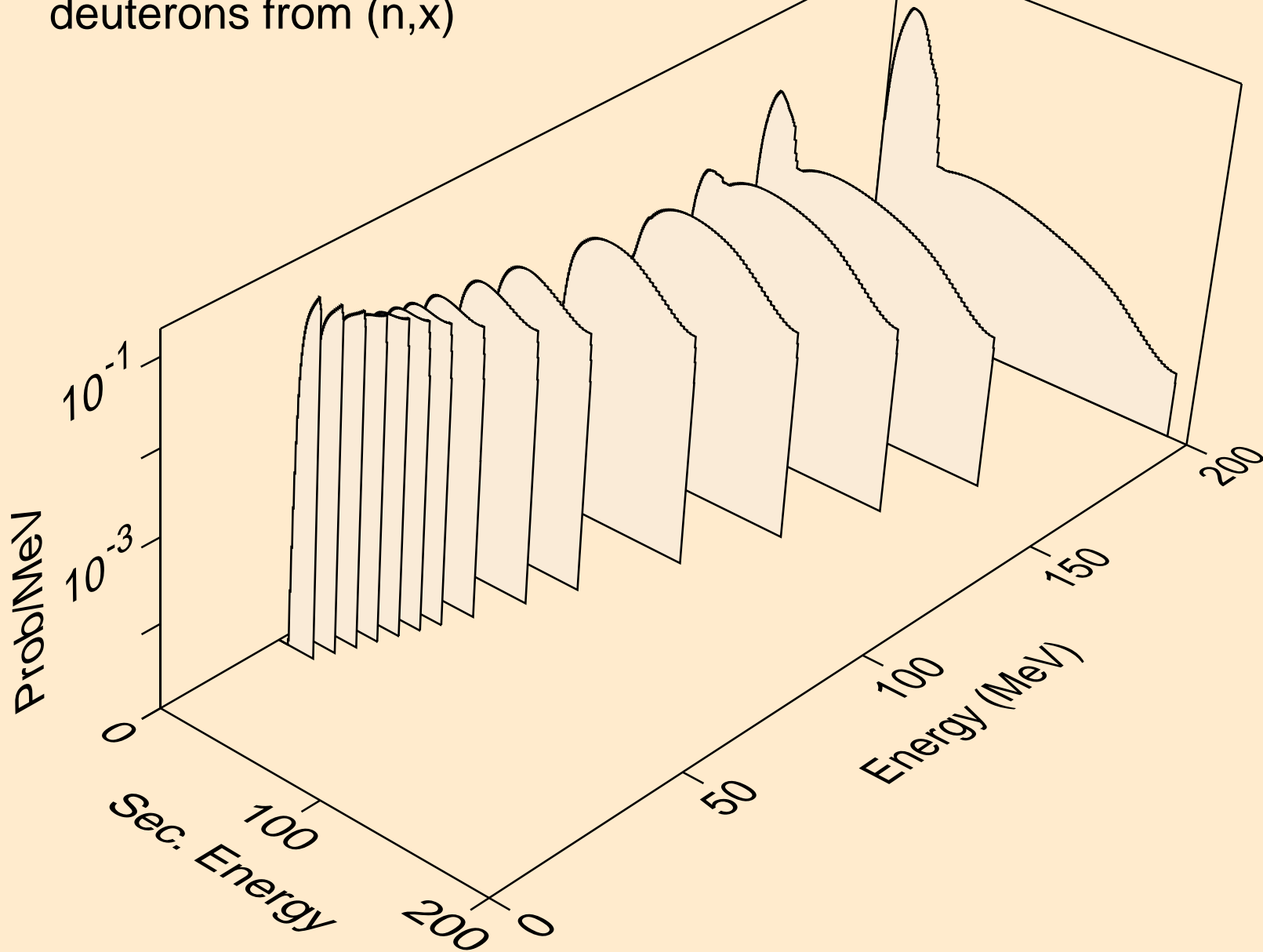
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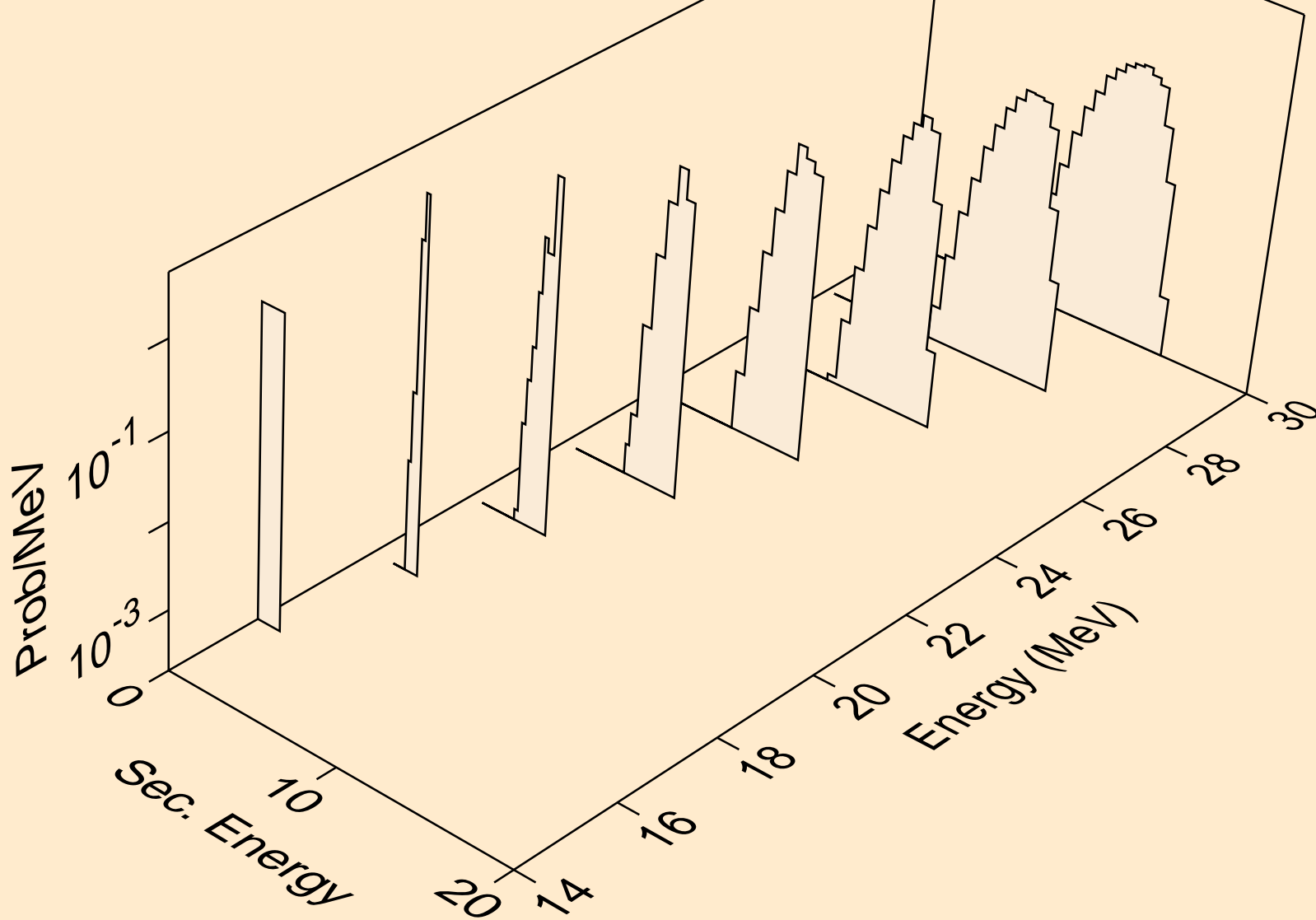
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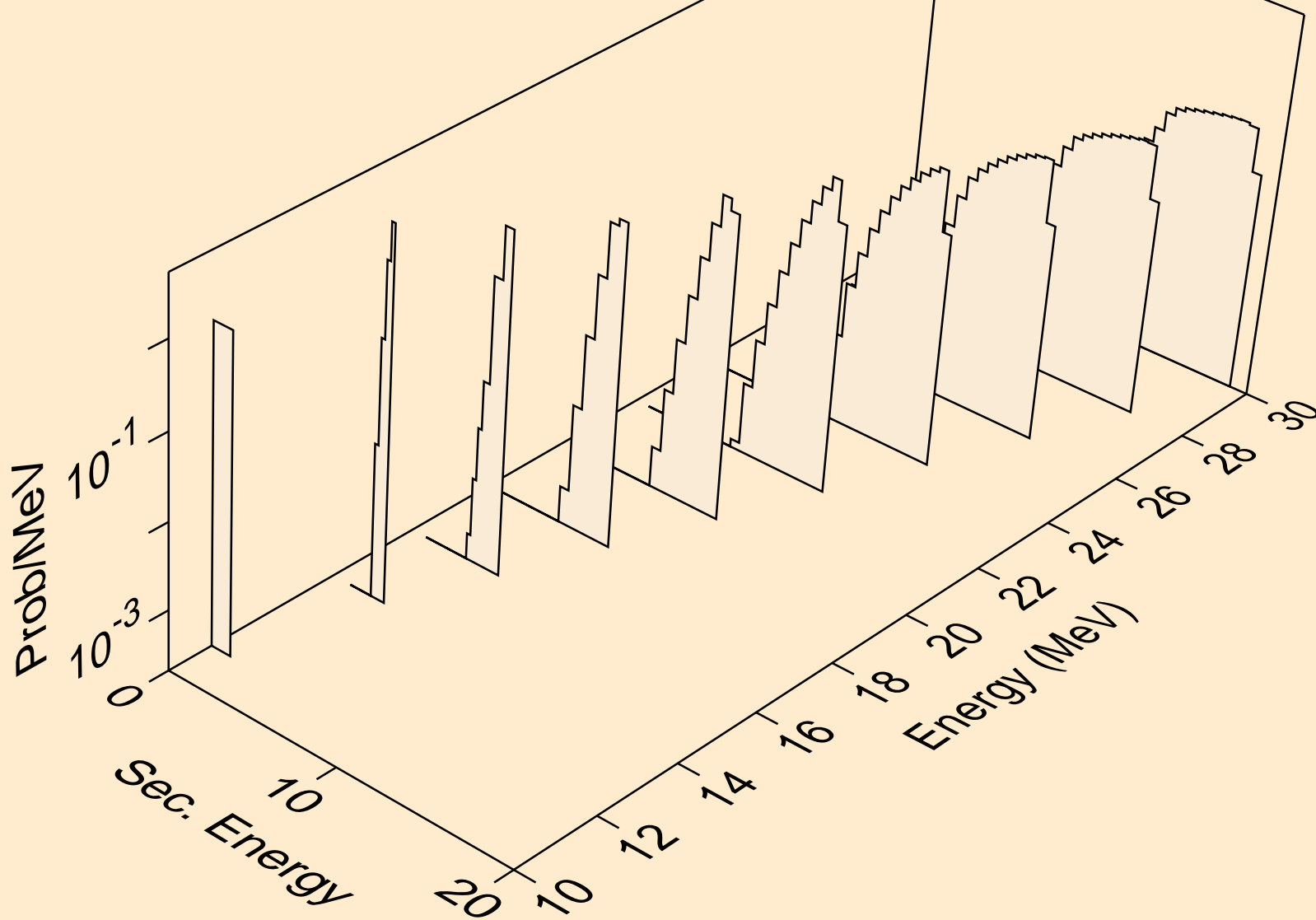
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

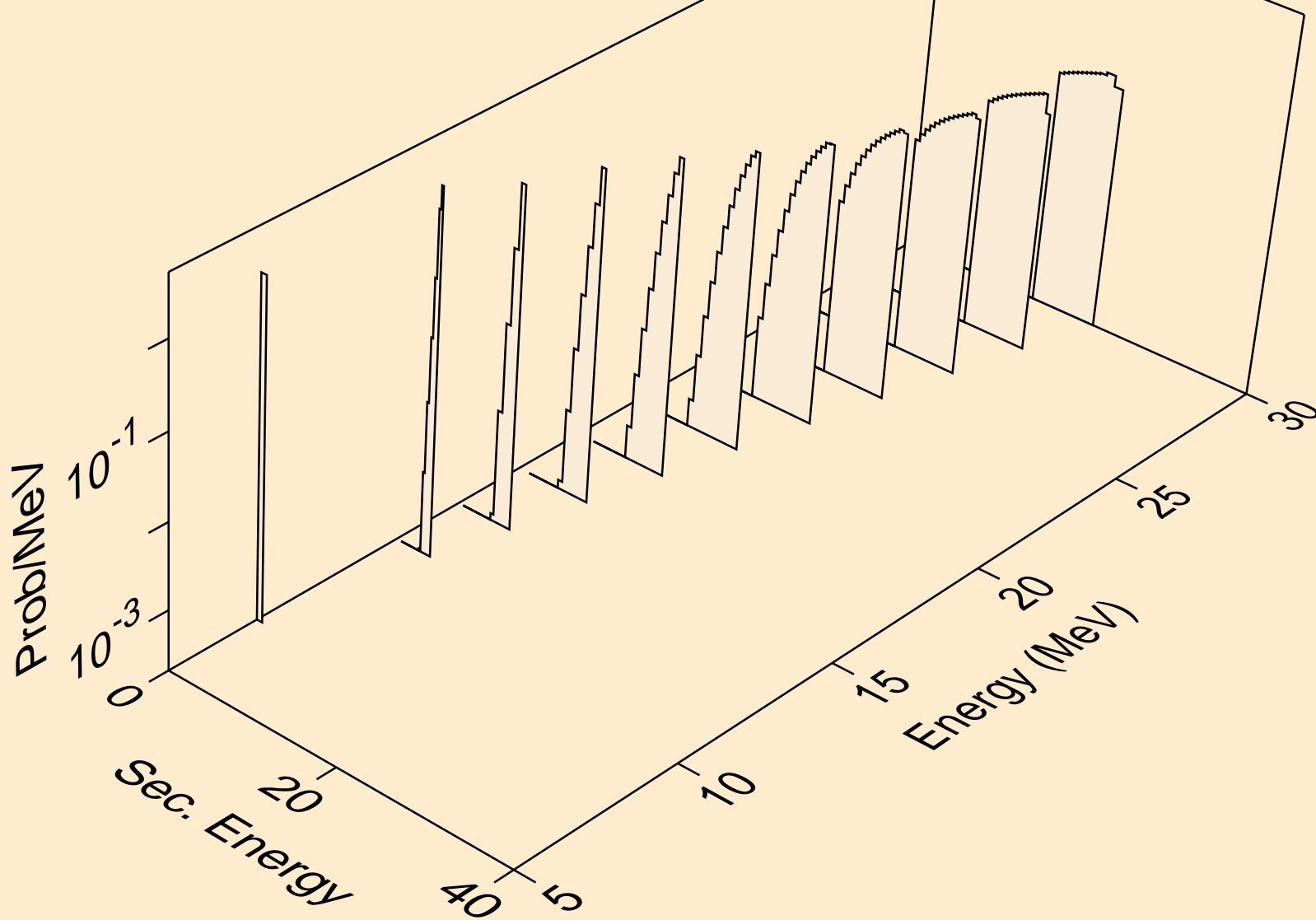


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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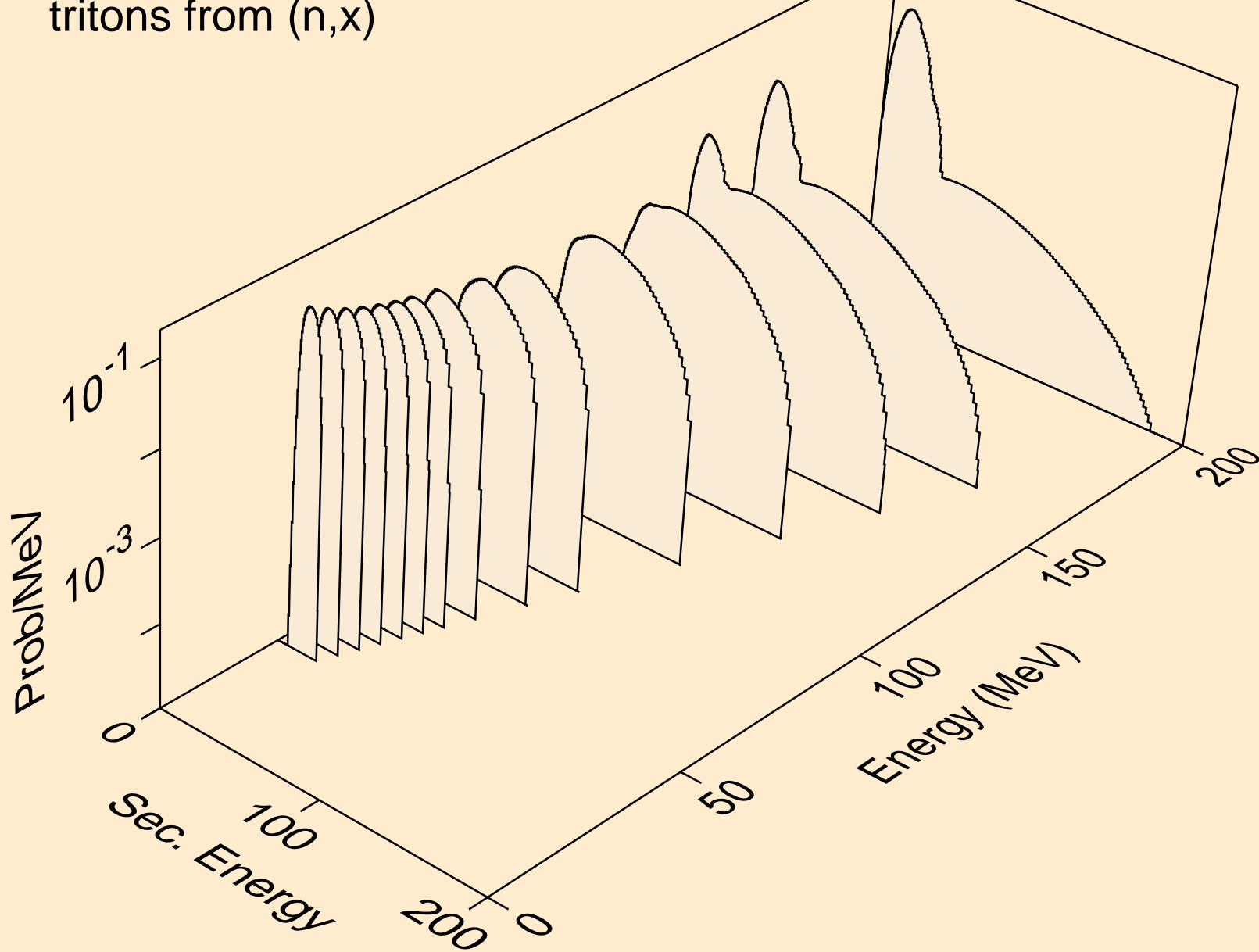




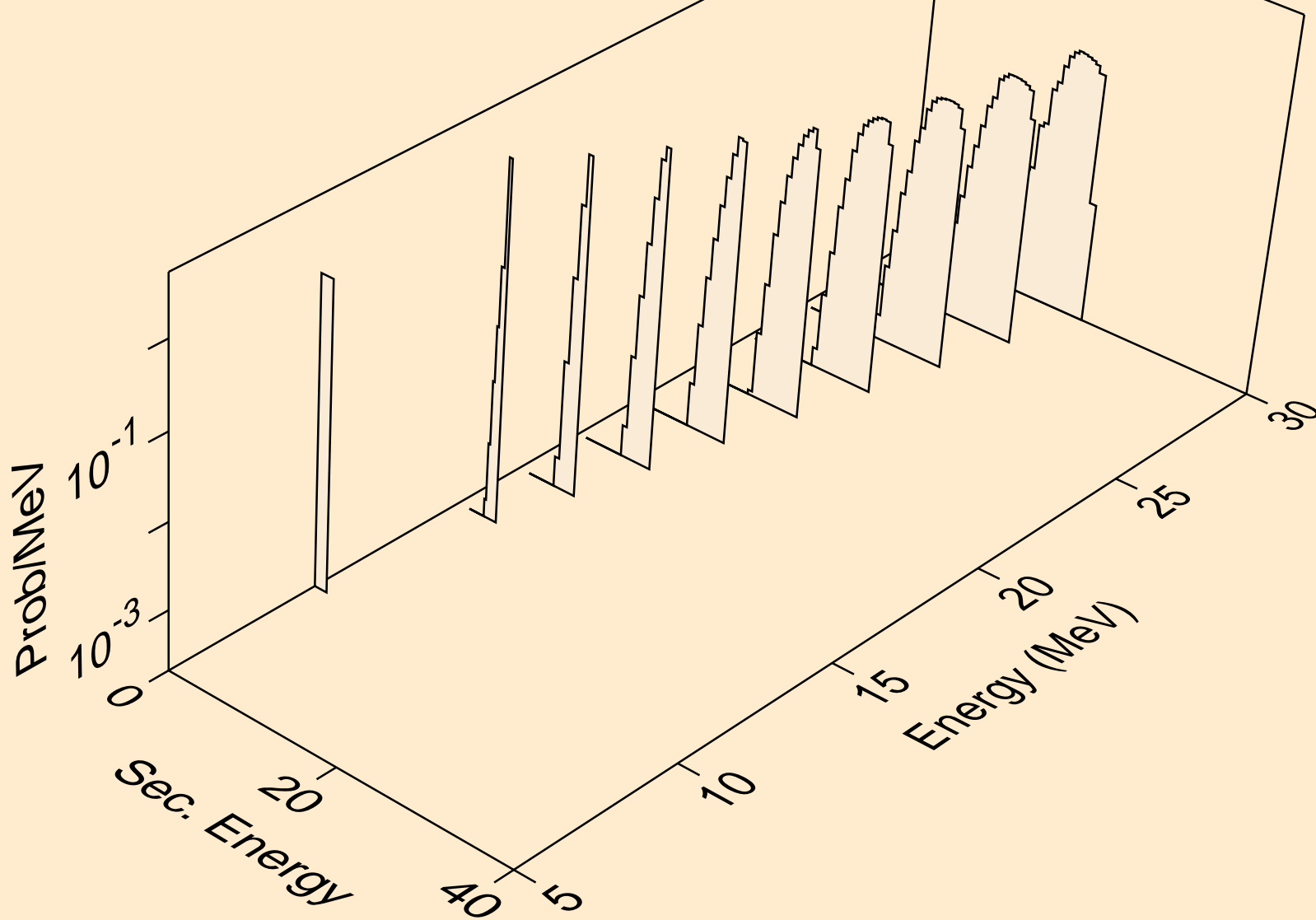
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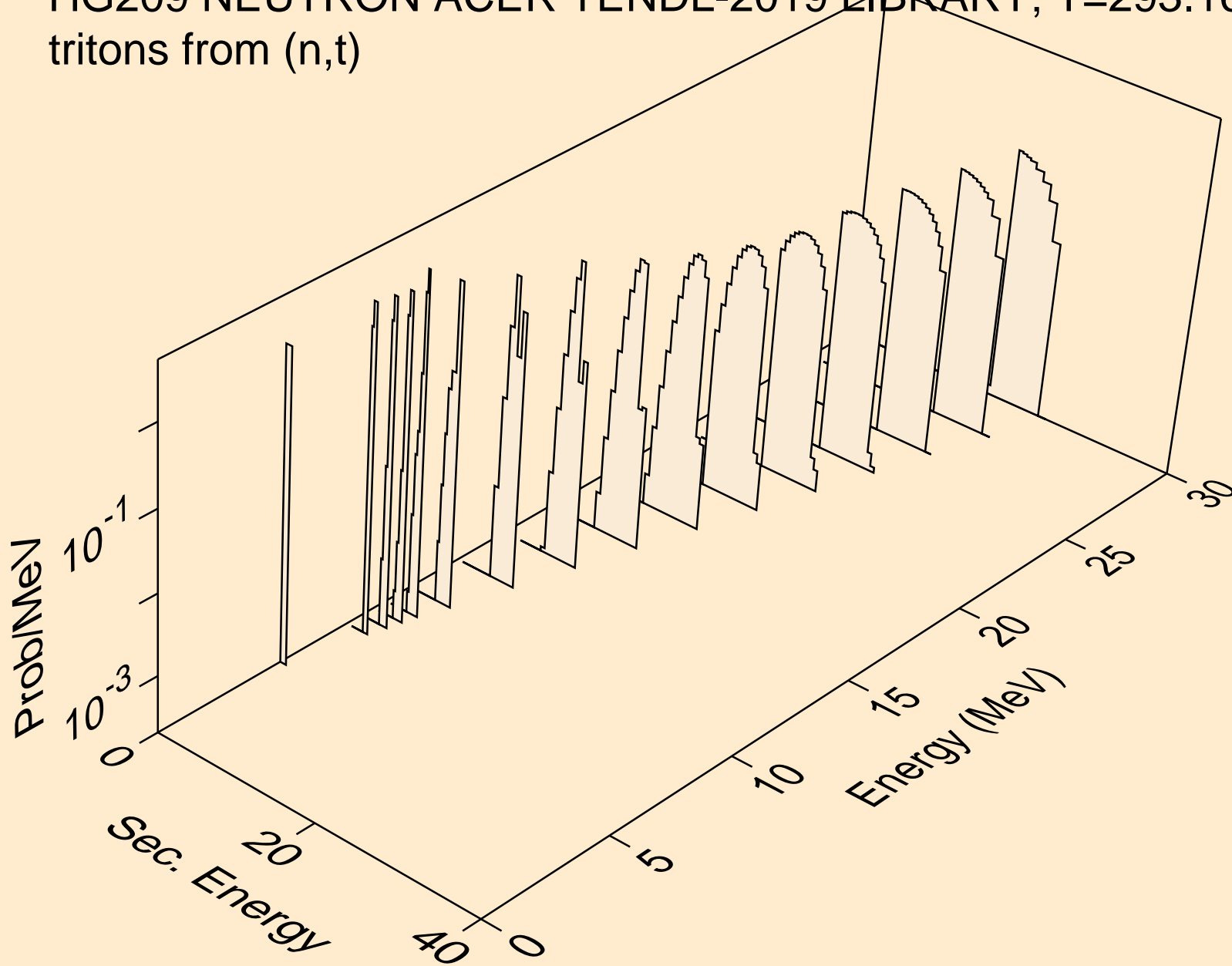
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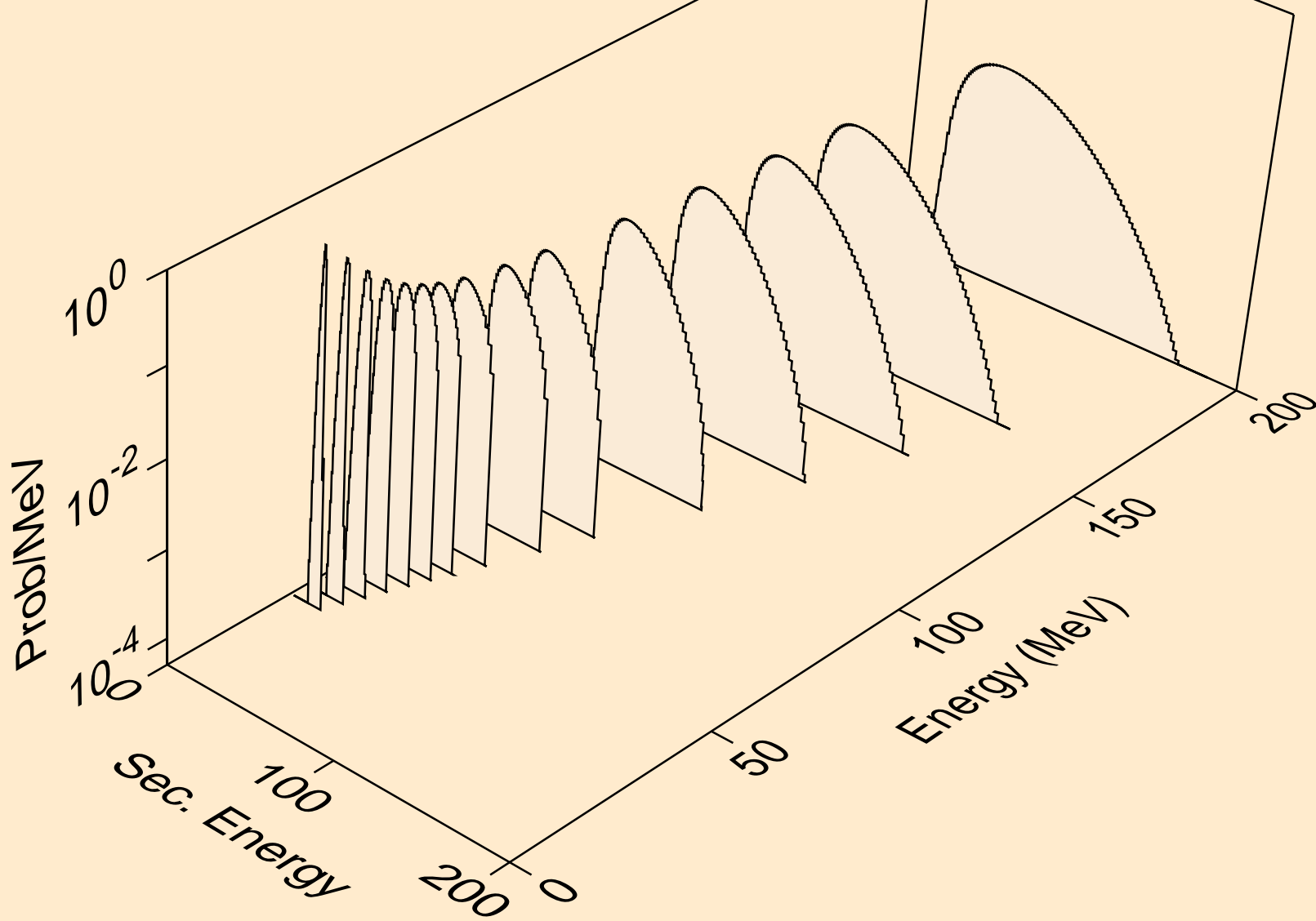
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tritons from (n,n\*)t



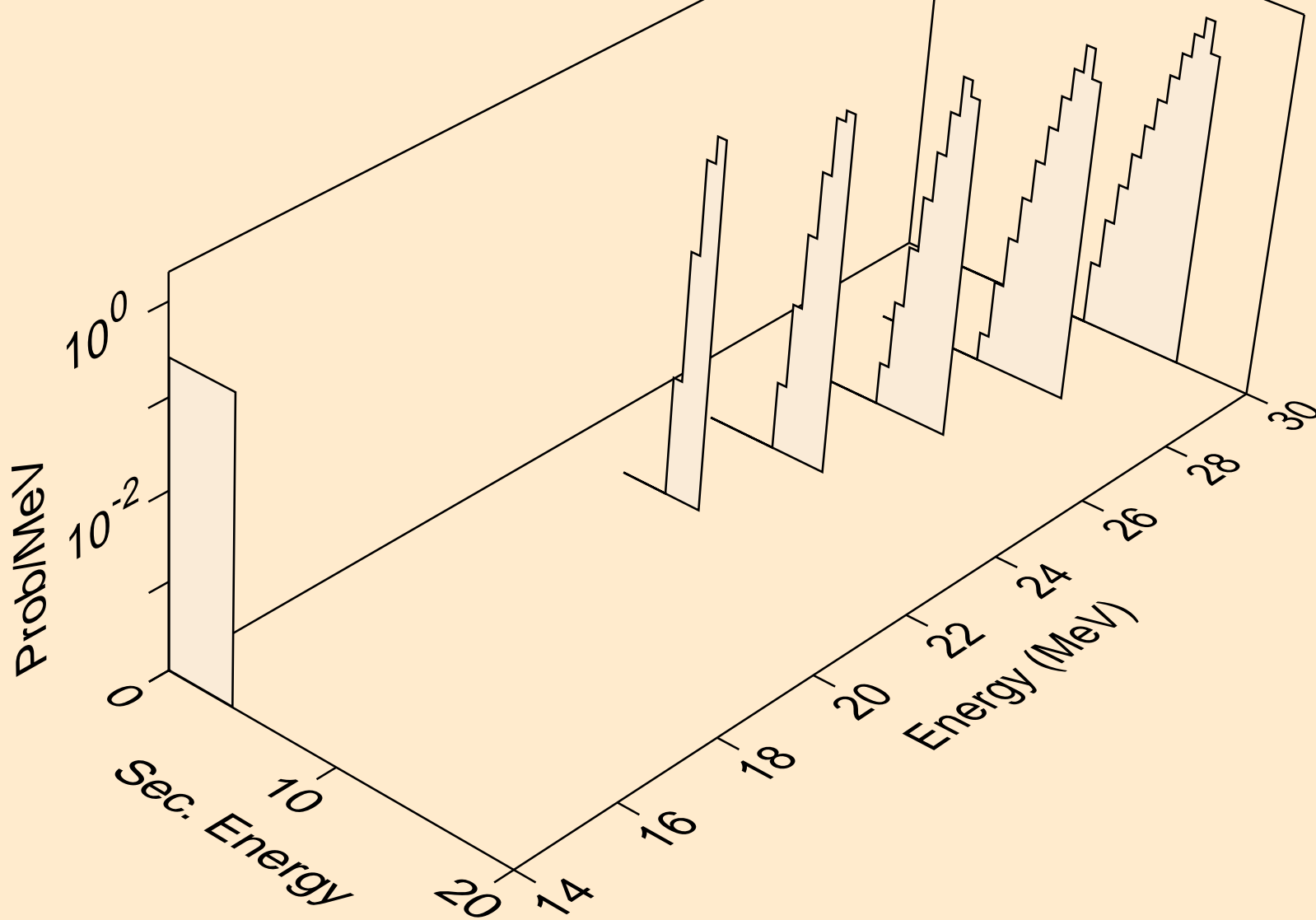
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tritons from (n,t)



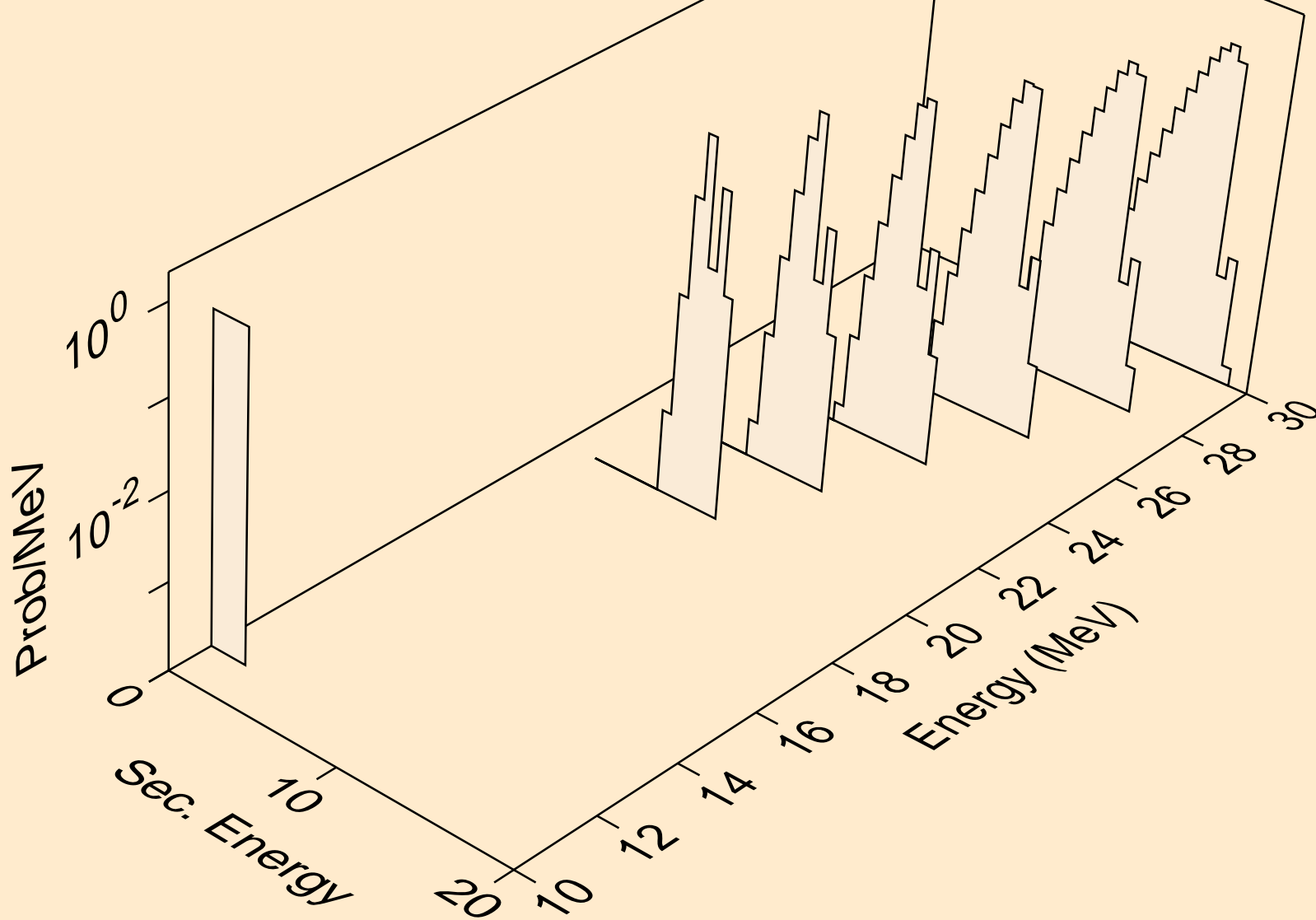
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he3s from (n,x)



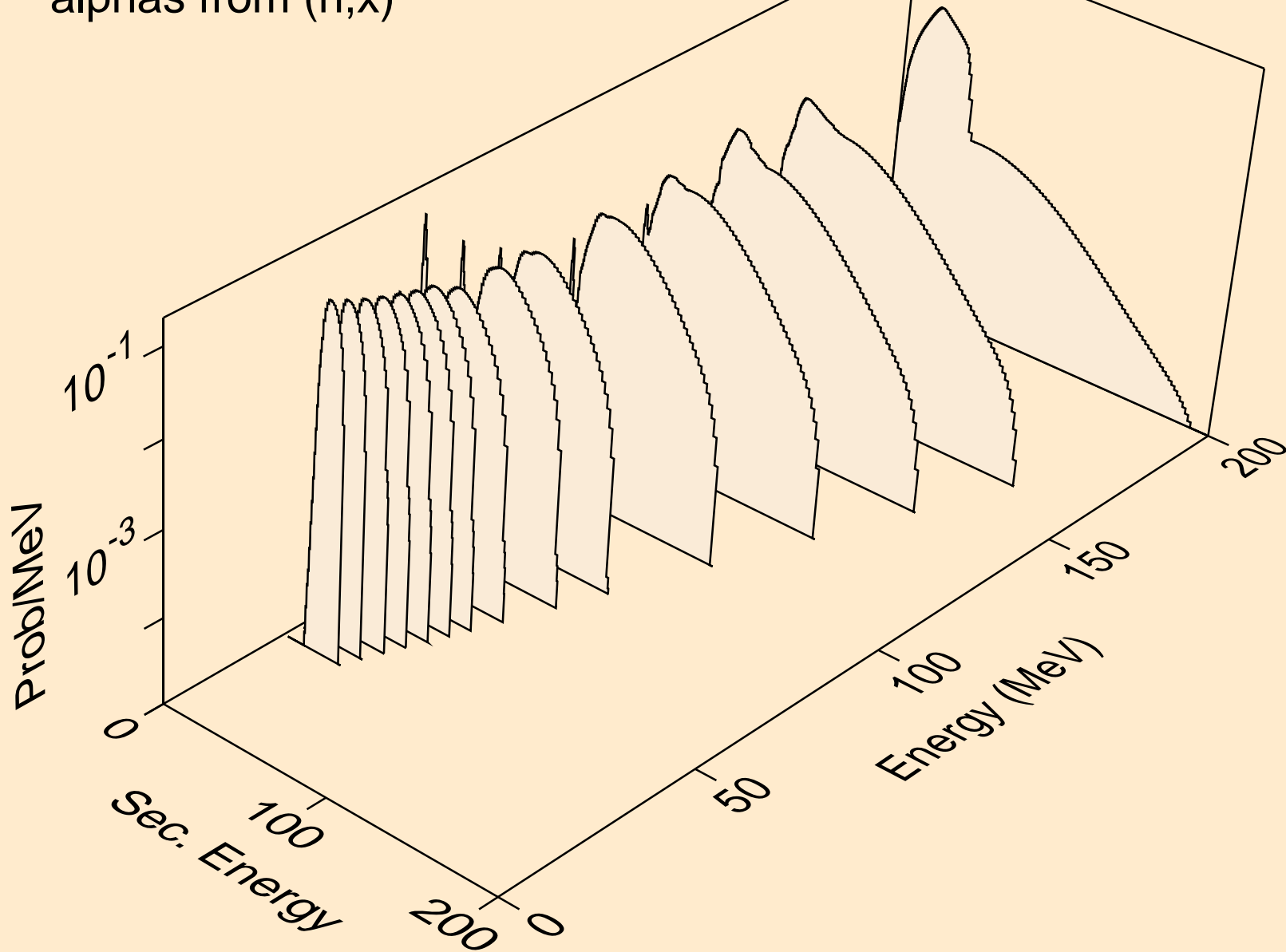
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he3s from (n,n\*)he3



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

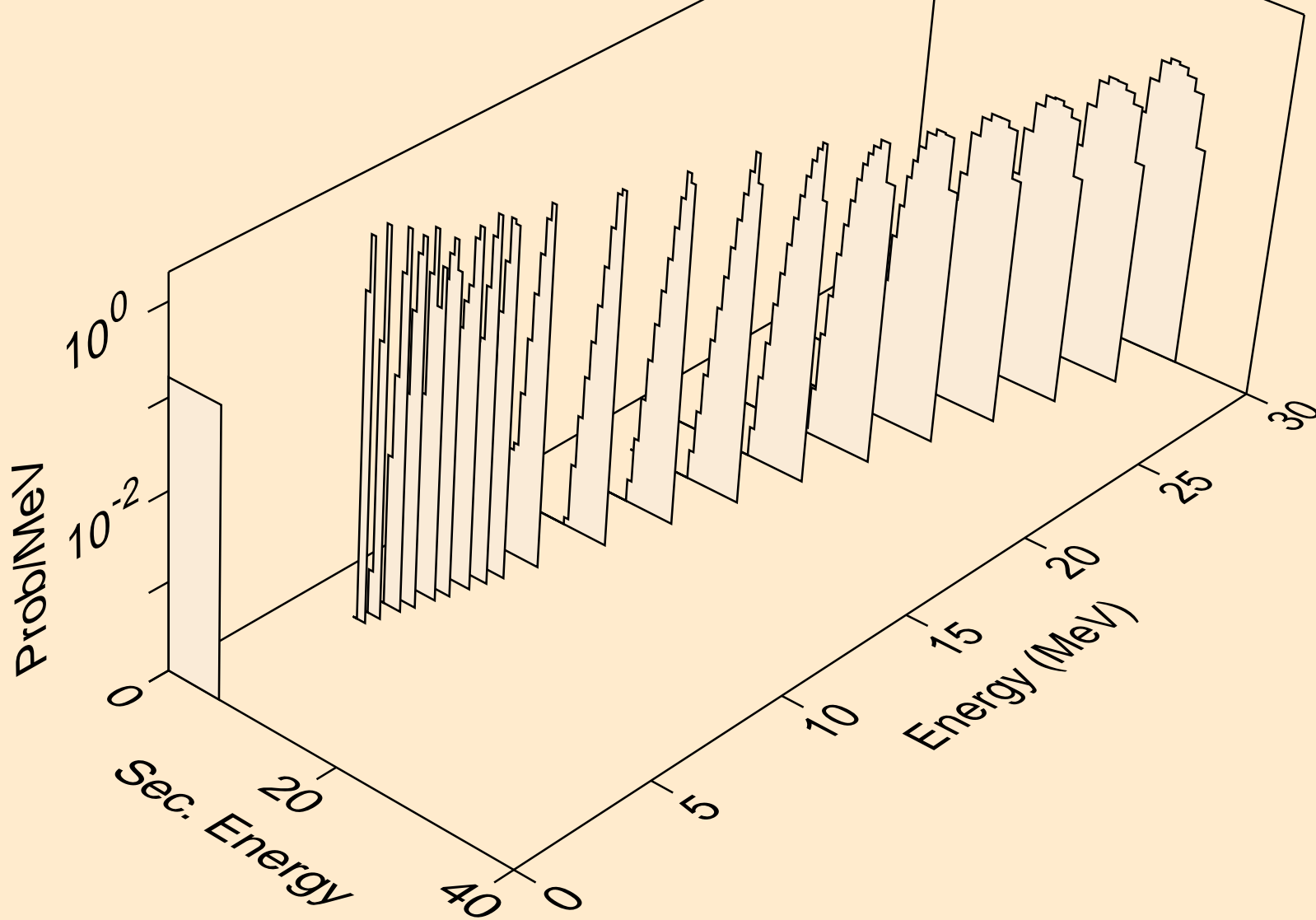


HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

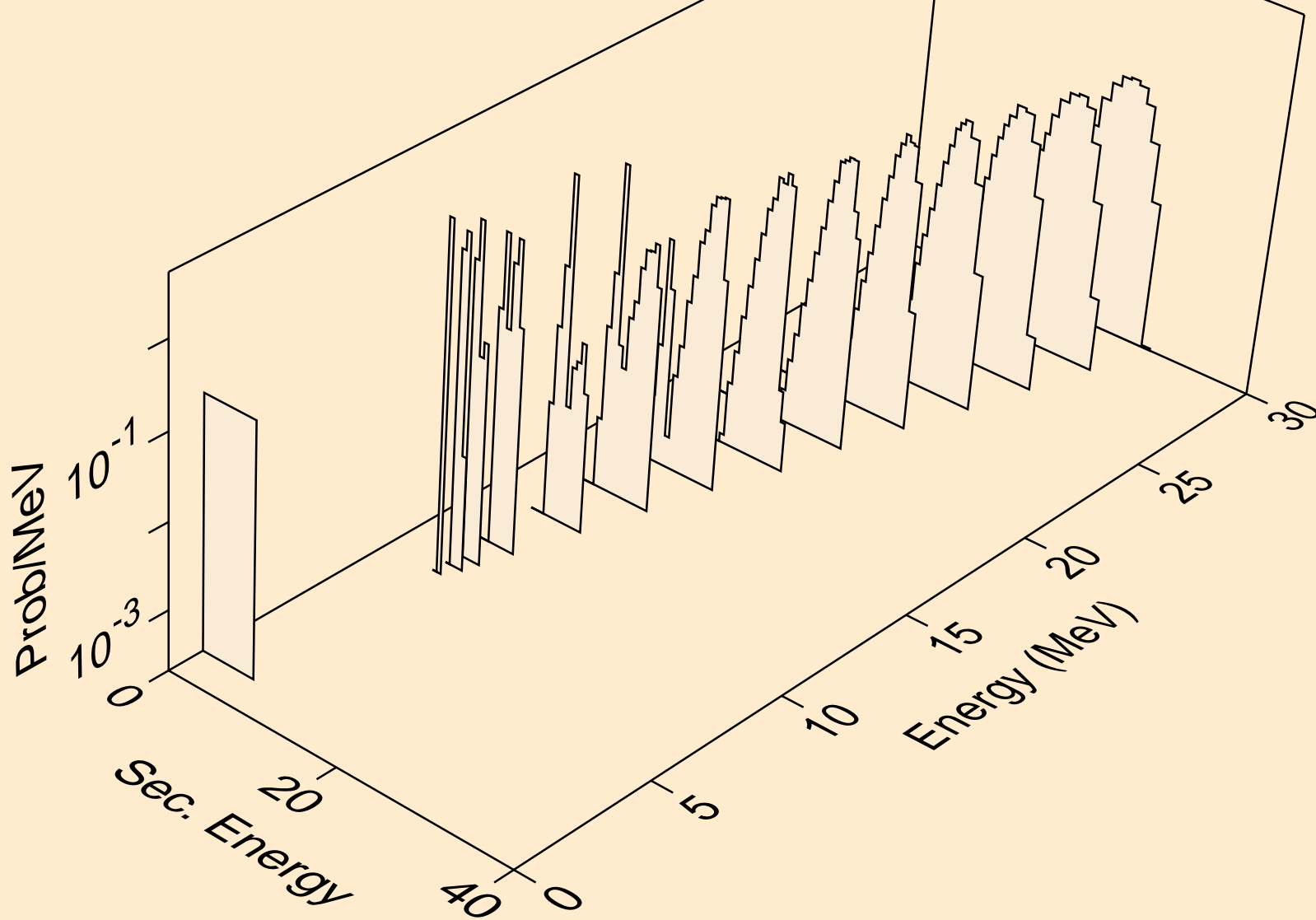




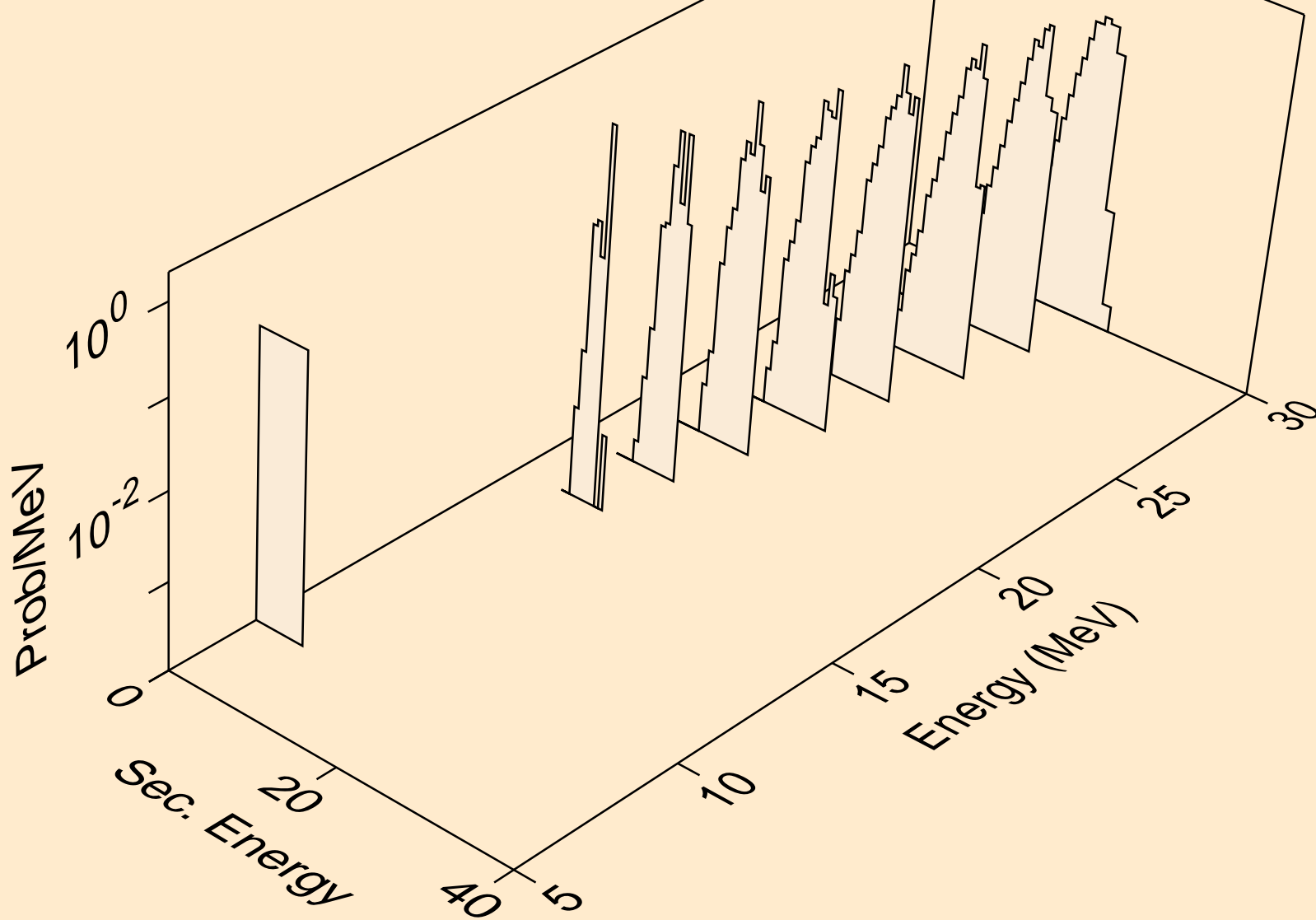
HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



HG209 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

