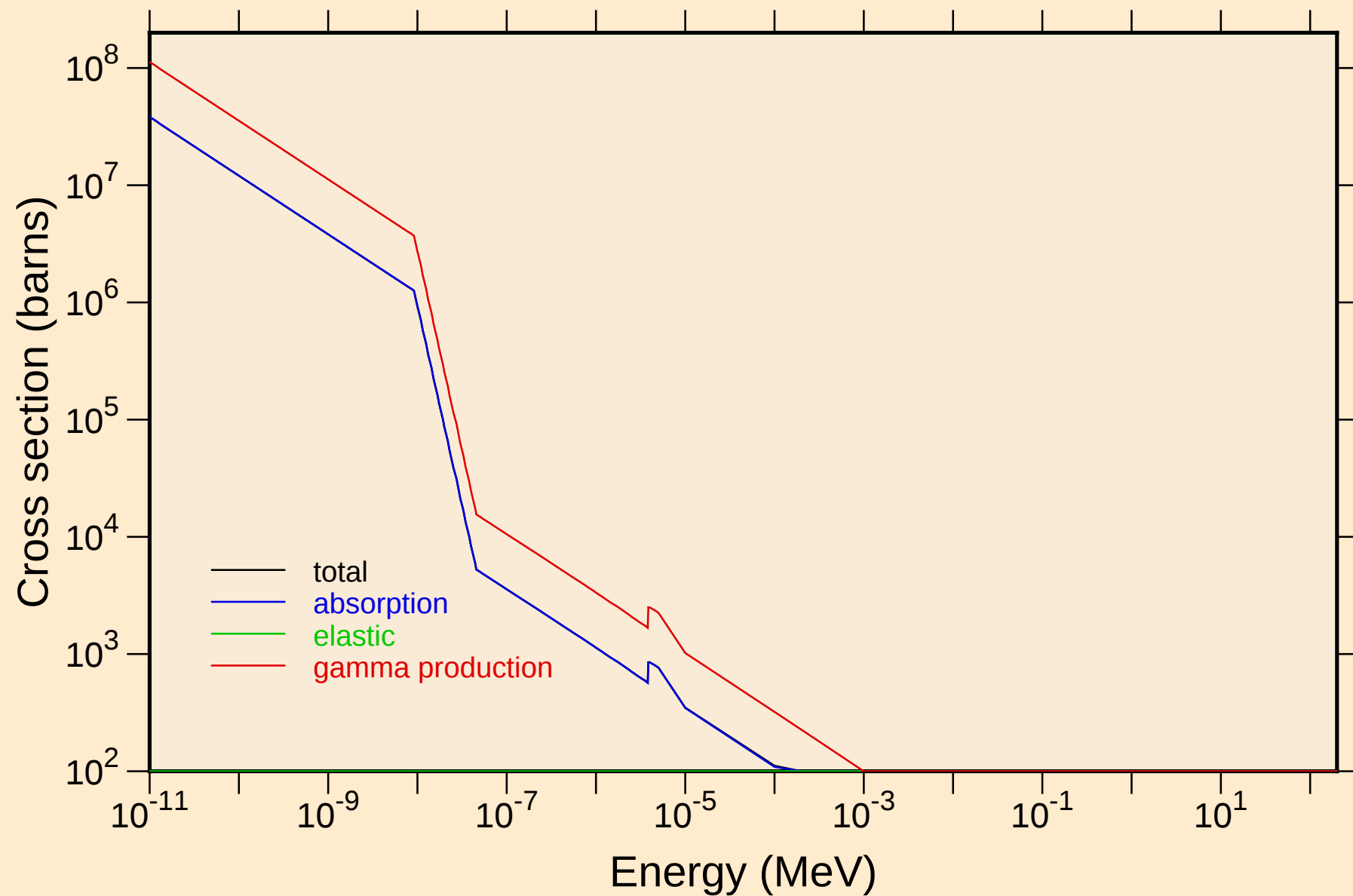


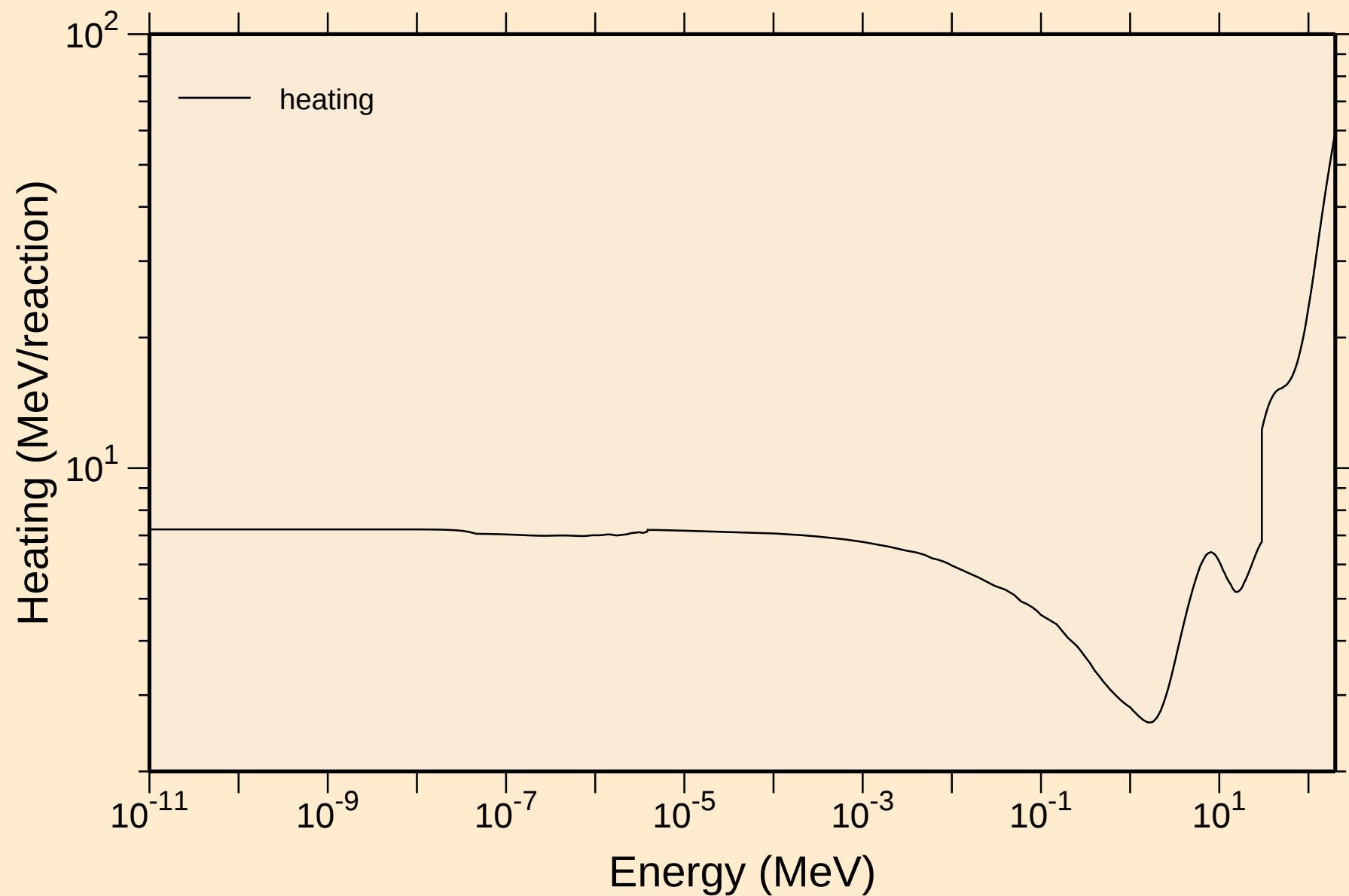
# PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



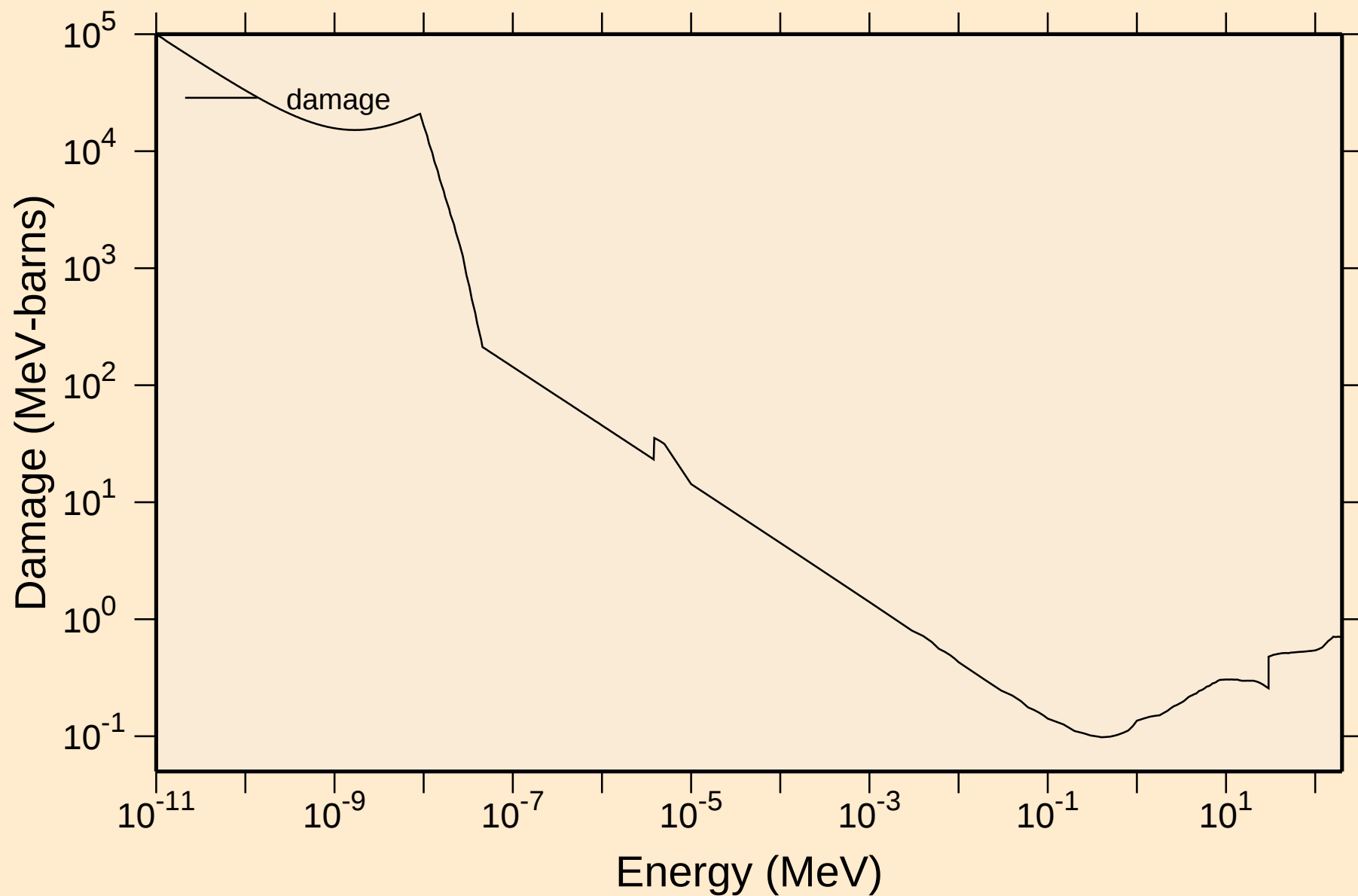
# PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

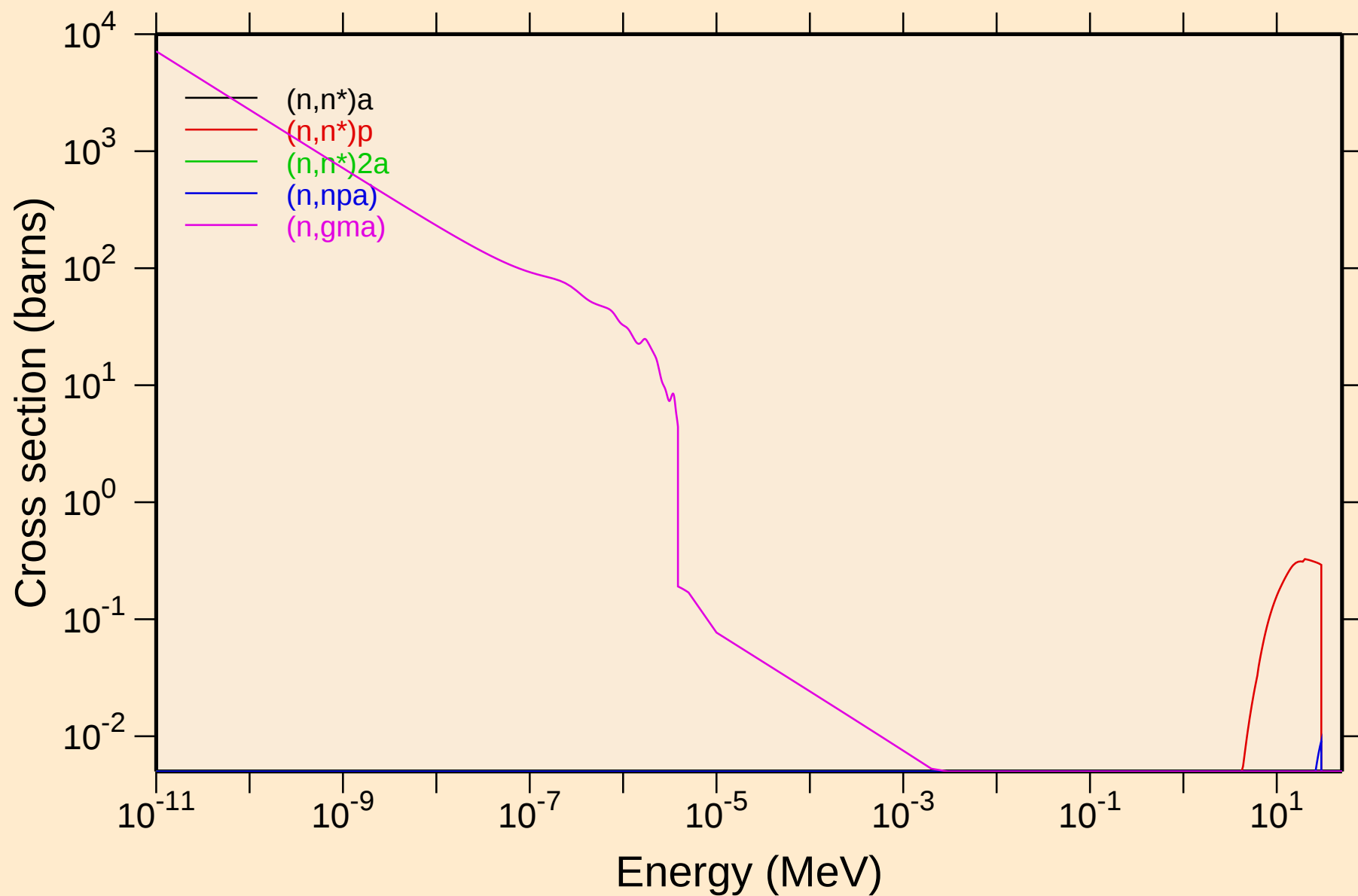


# PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

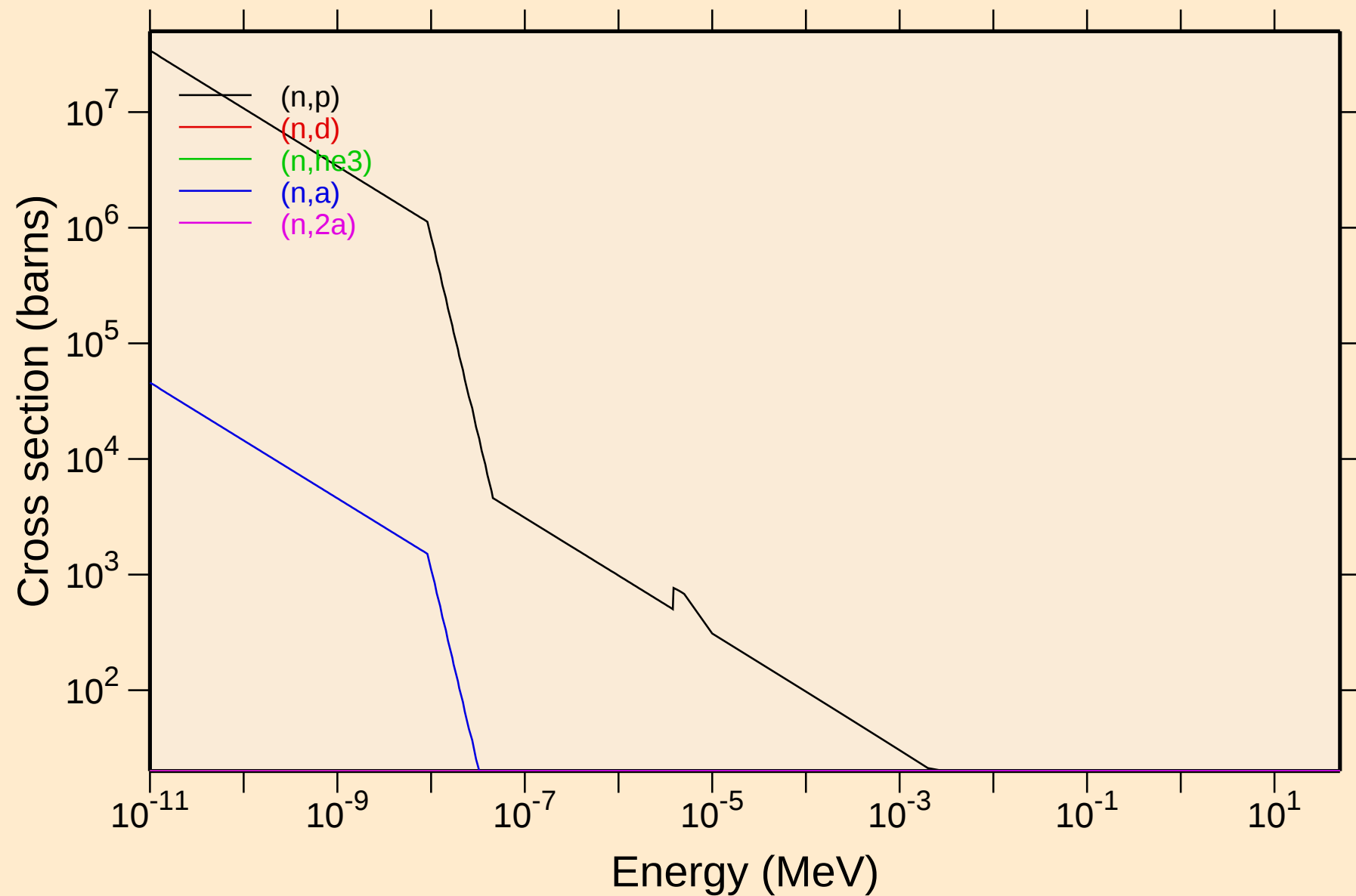
Damage



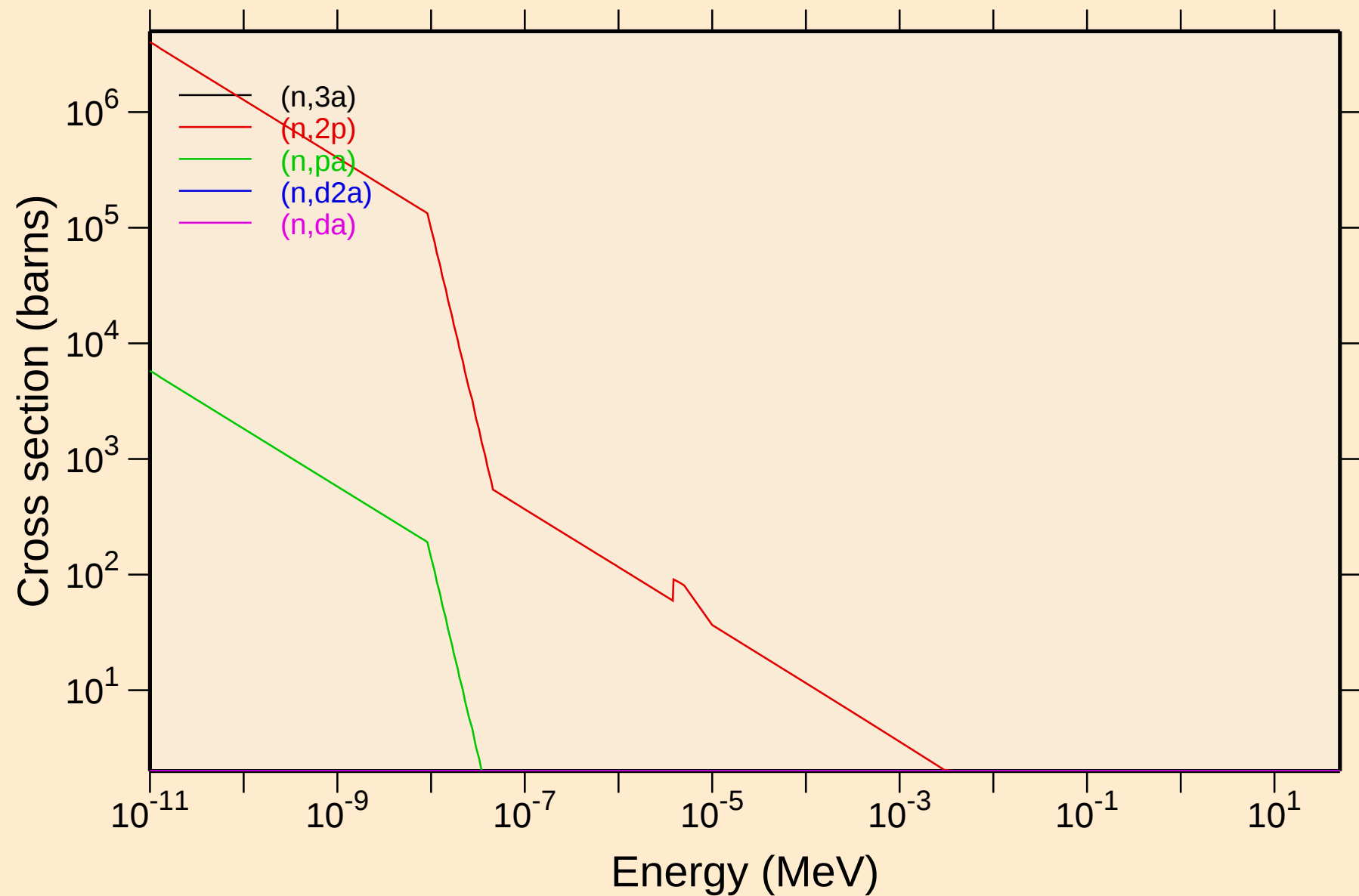
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

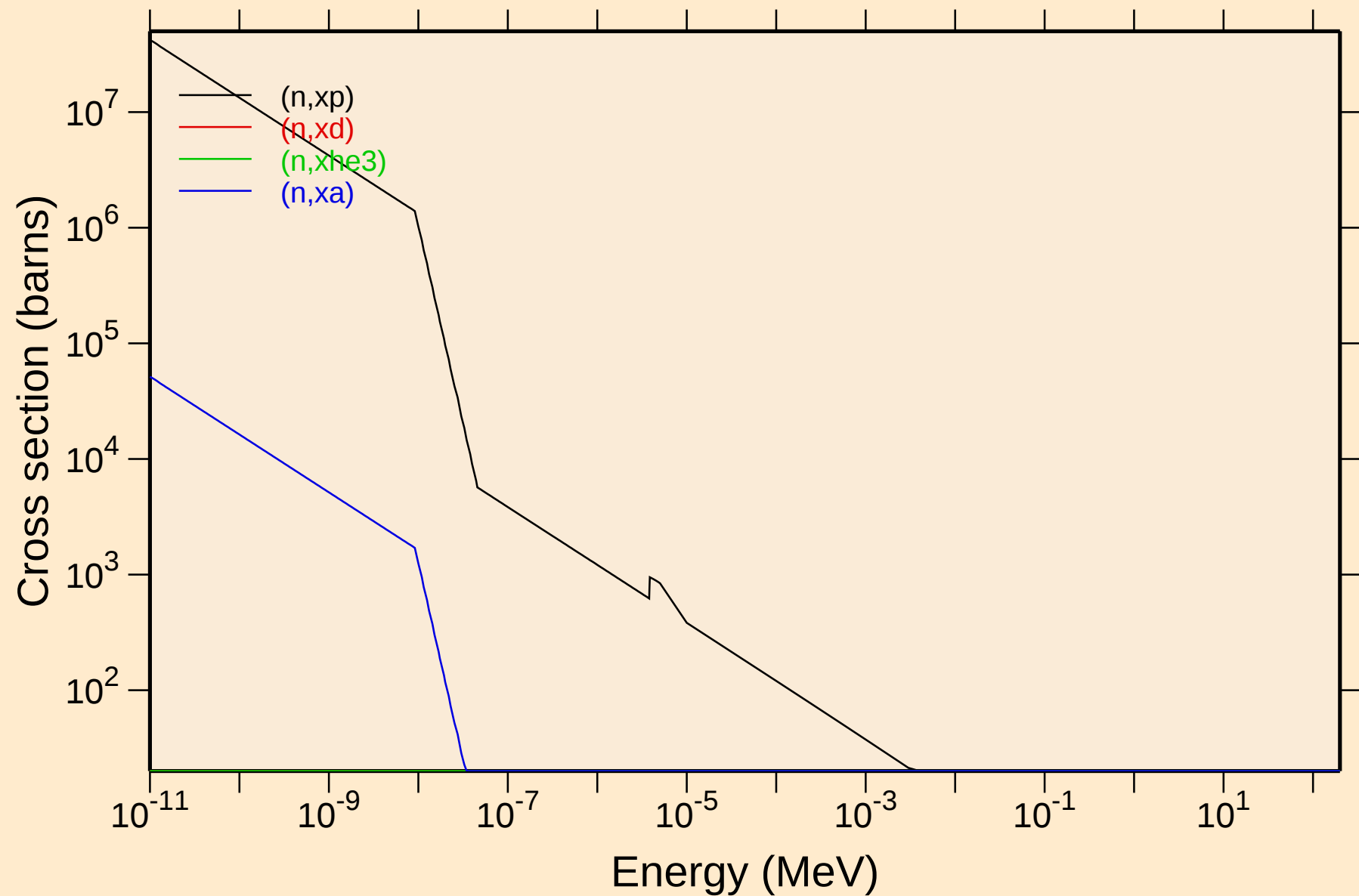


PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



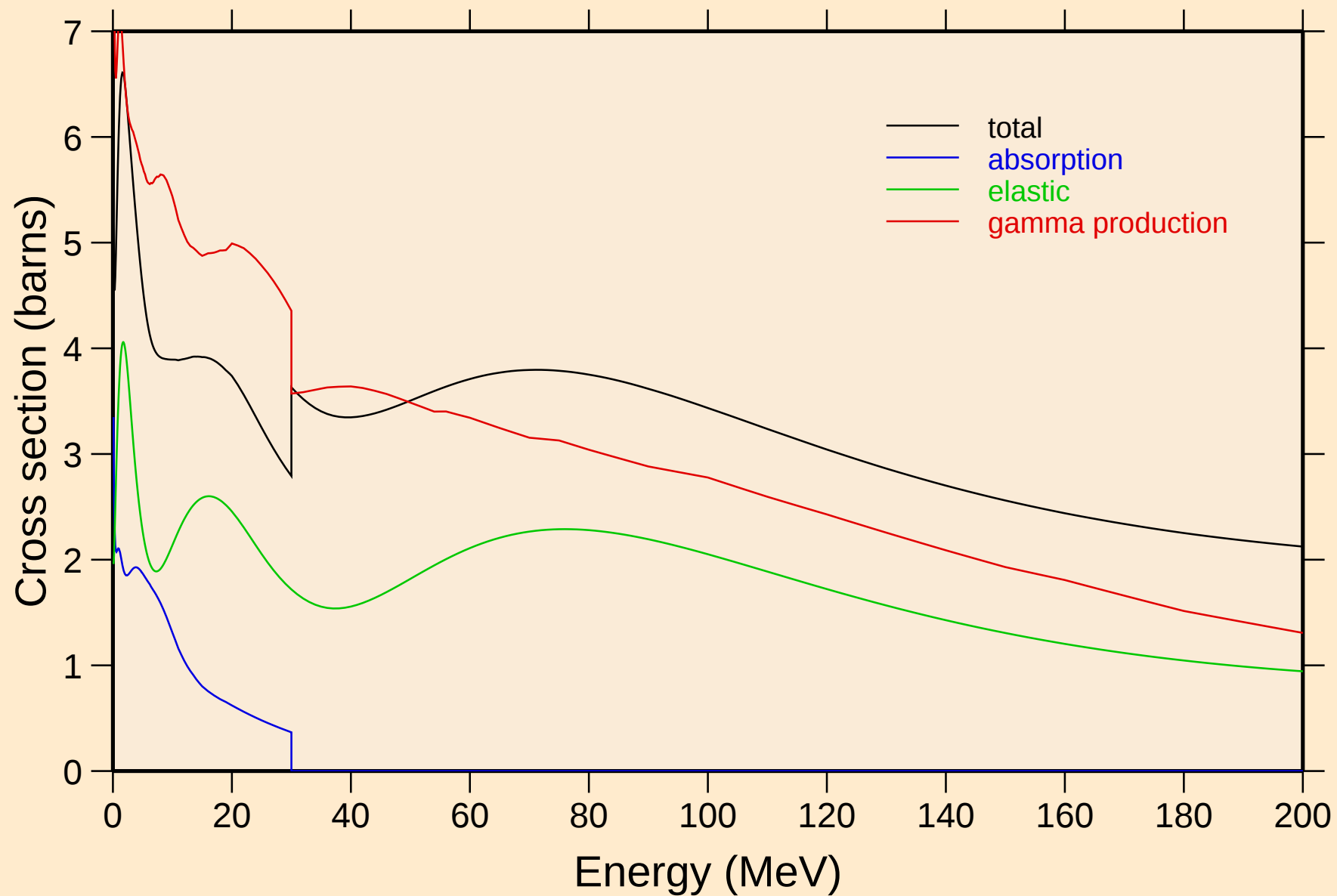
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## Non-threshold reactions



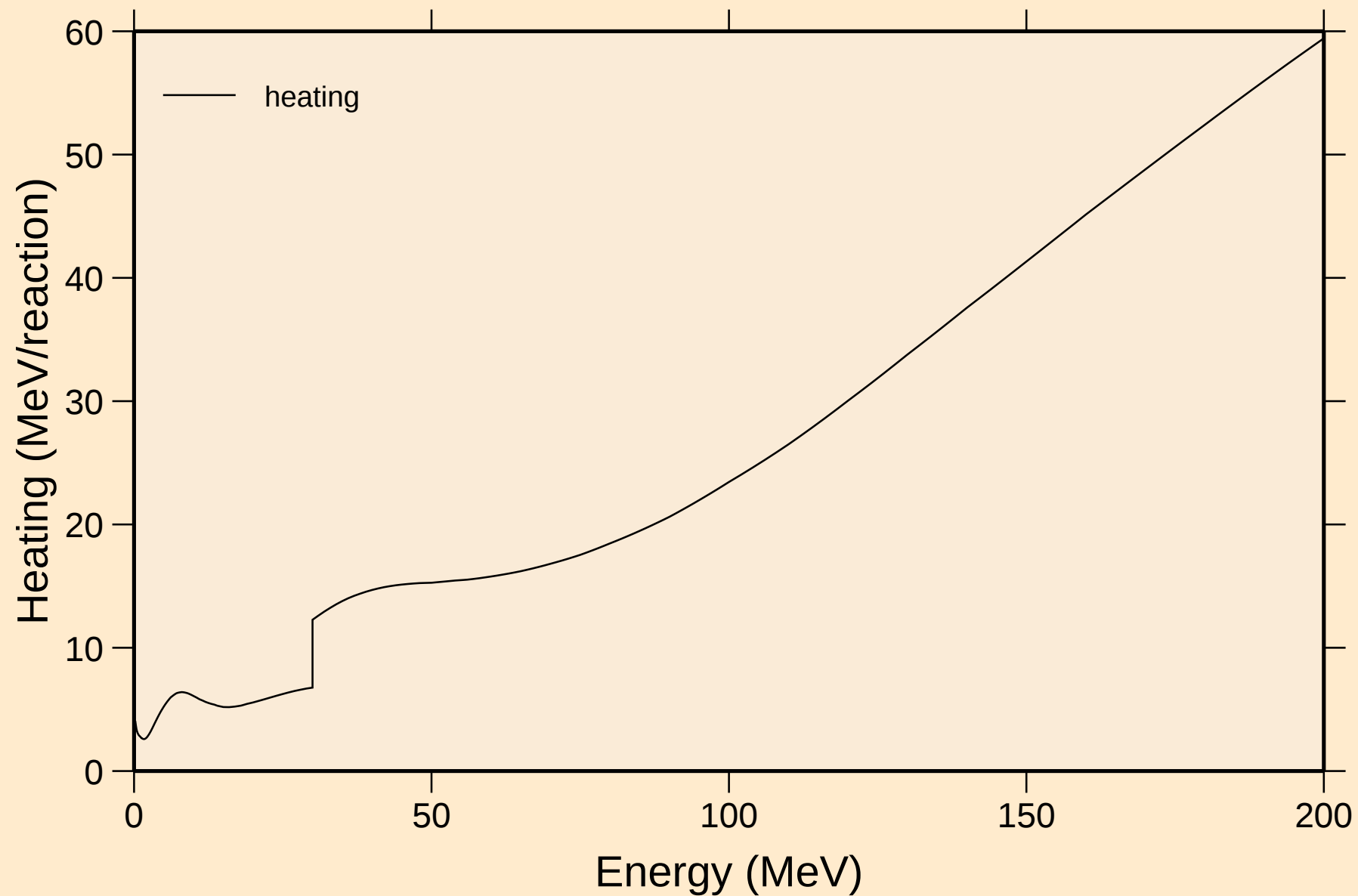
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## Principal cross sections



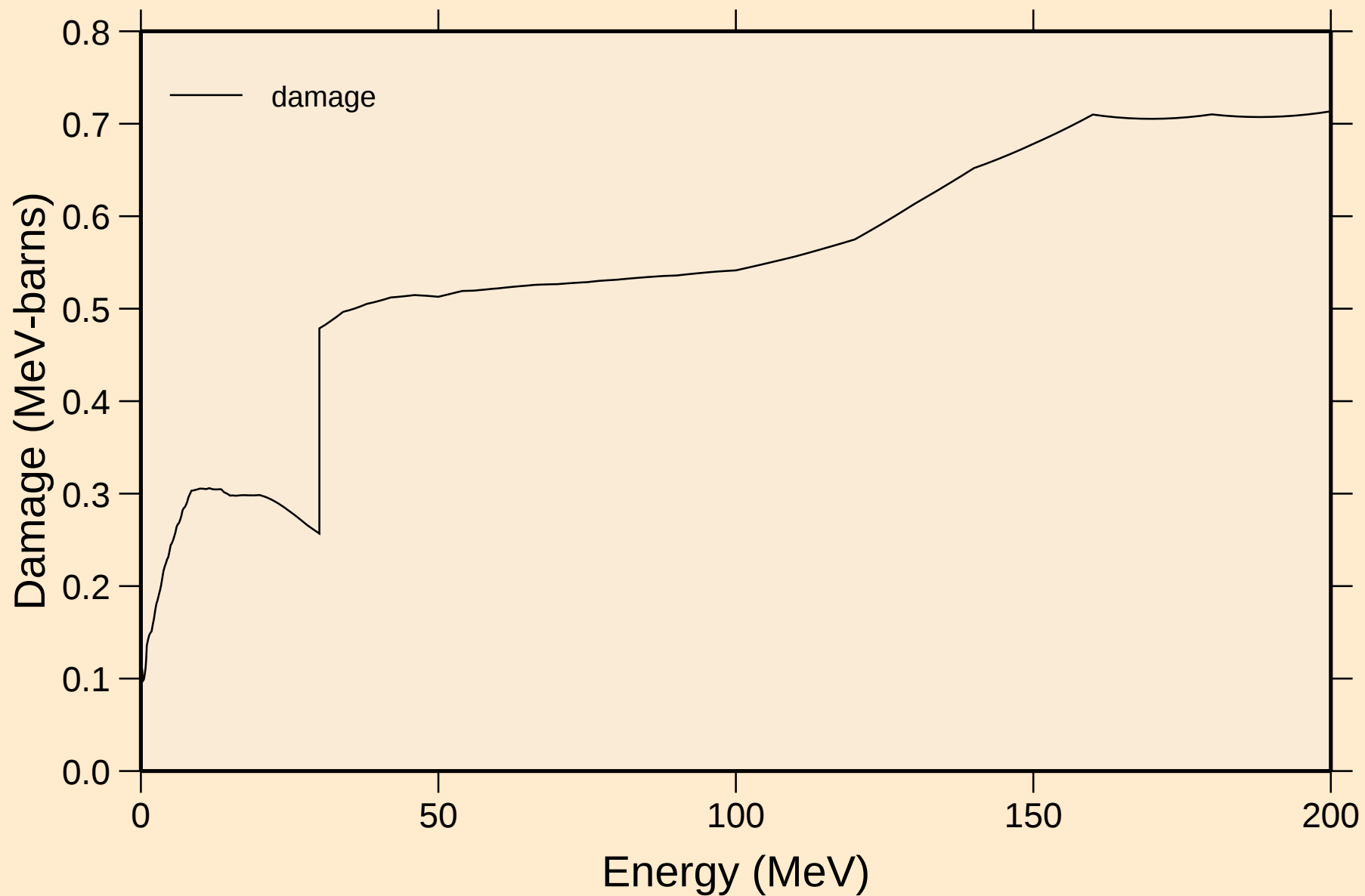
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## Heating

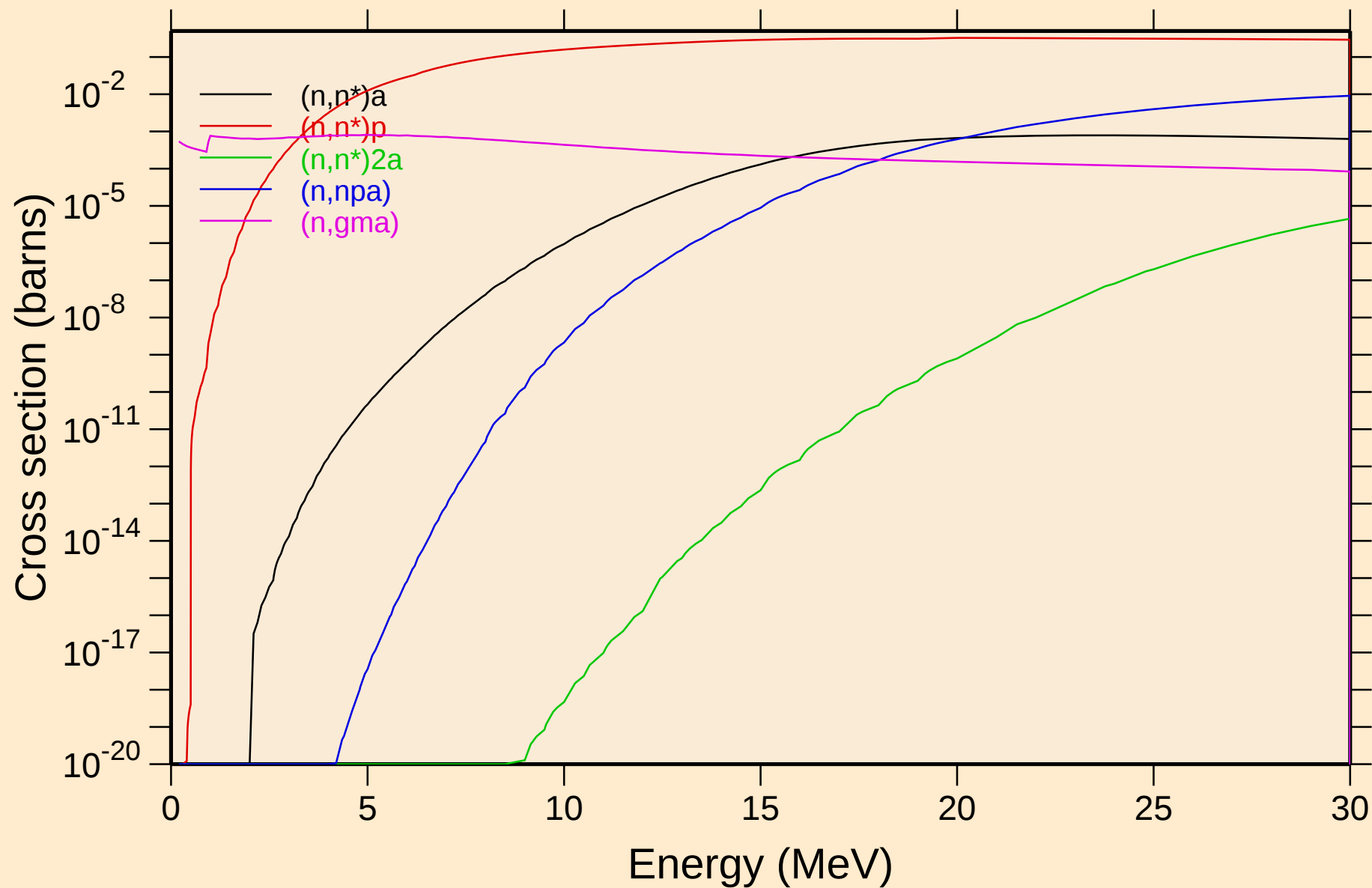


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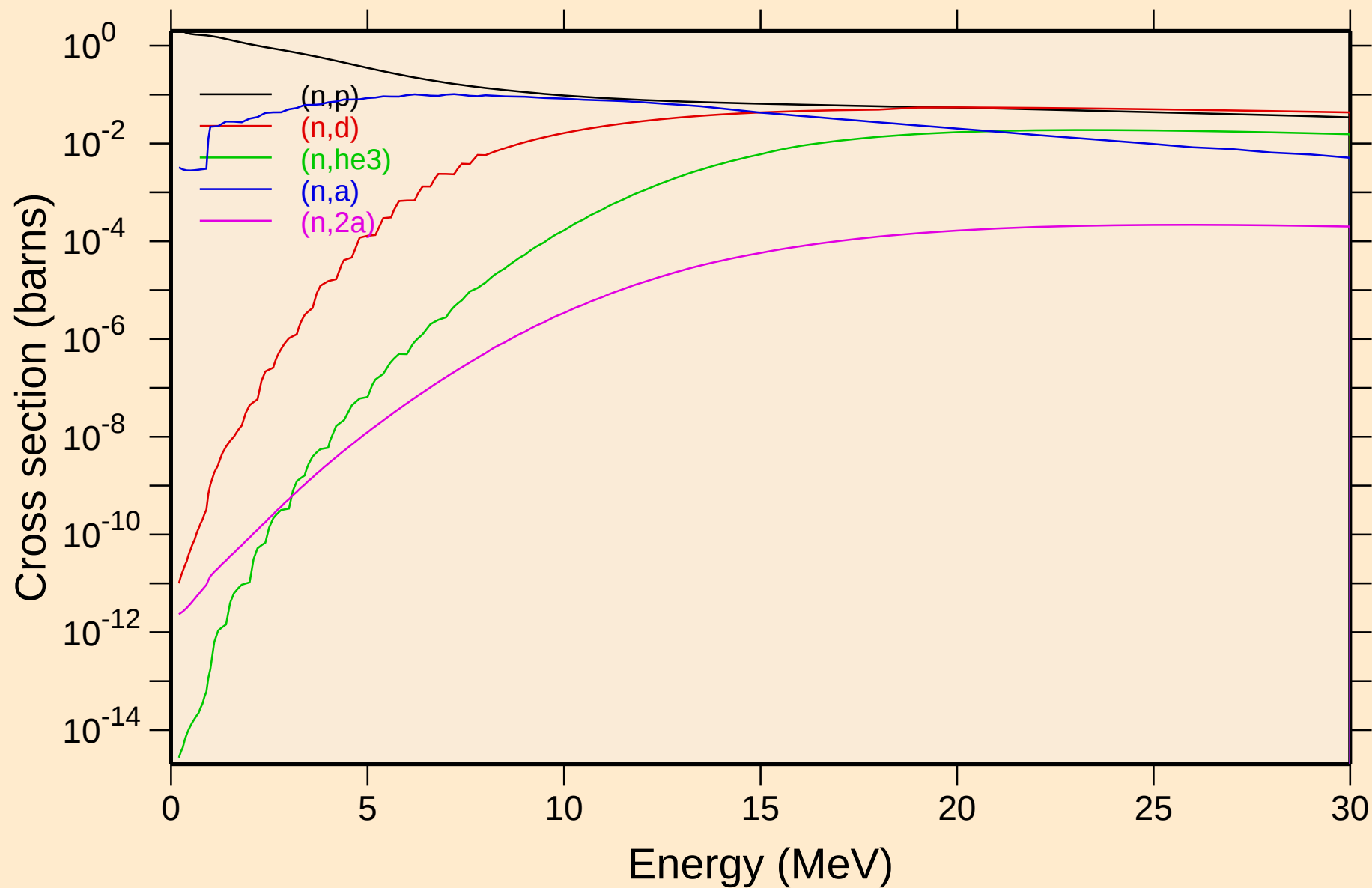
## Damage



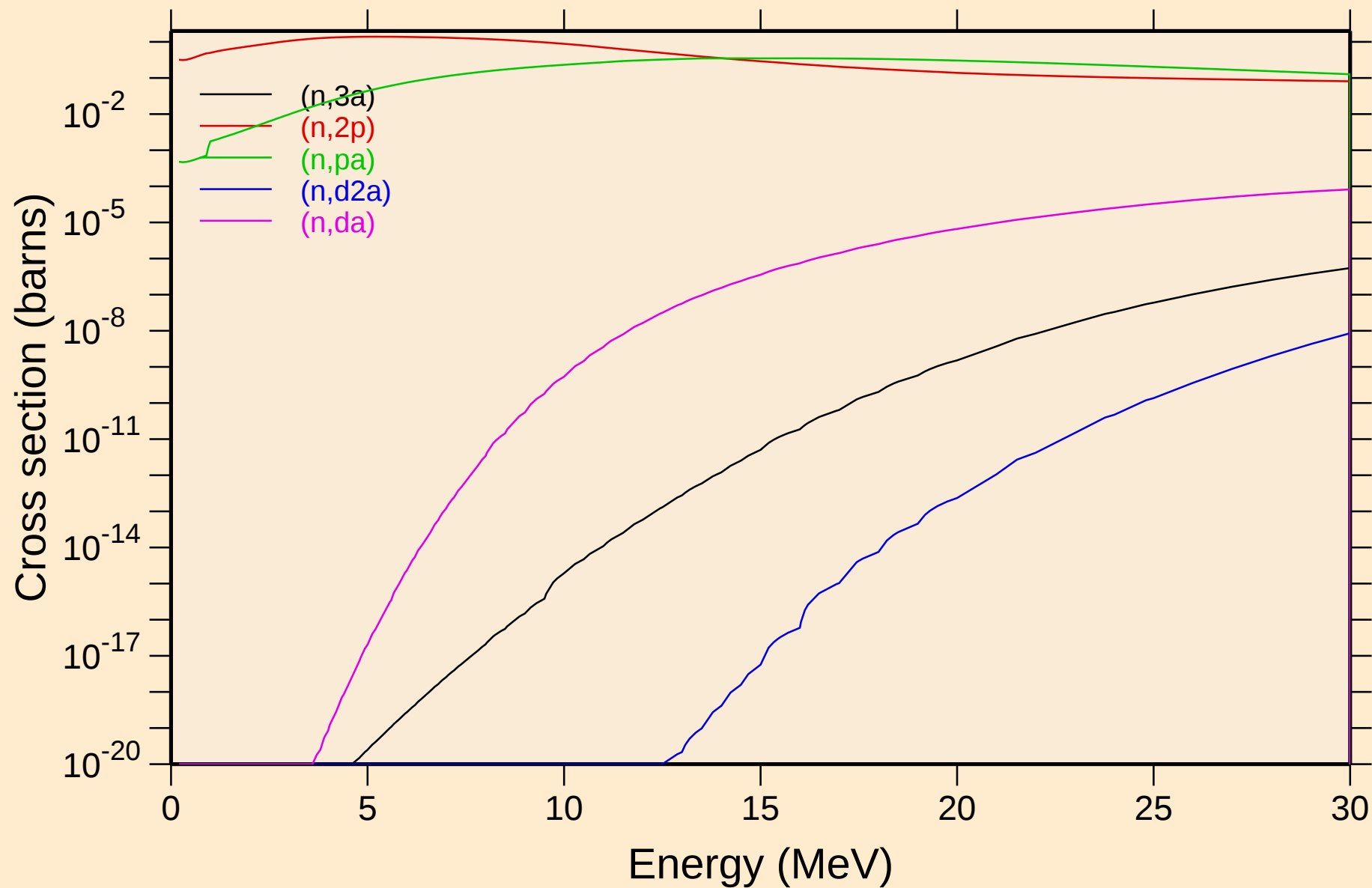
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Non-threshold reactions



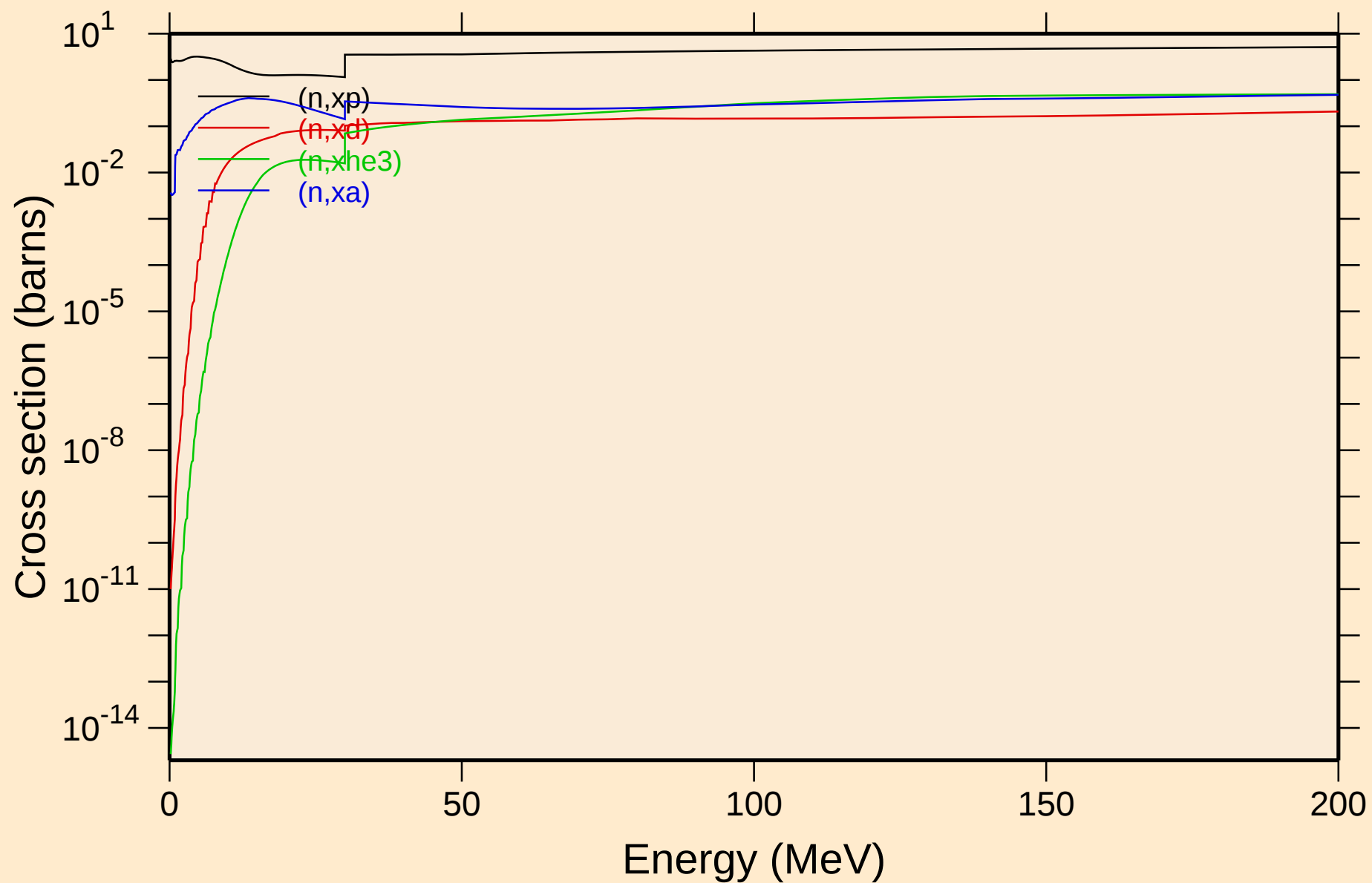
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



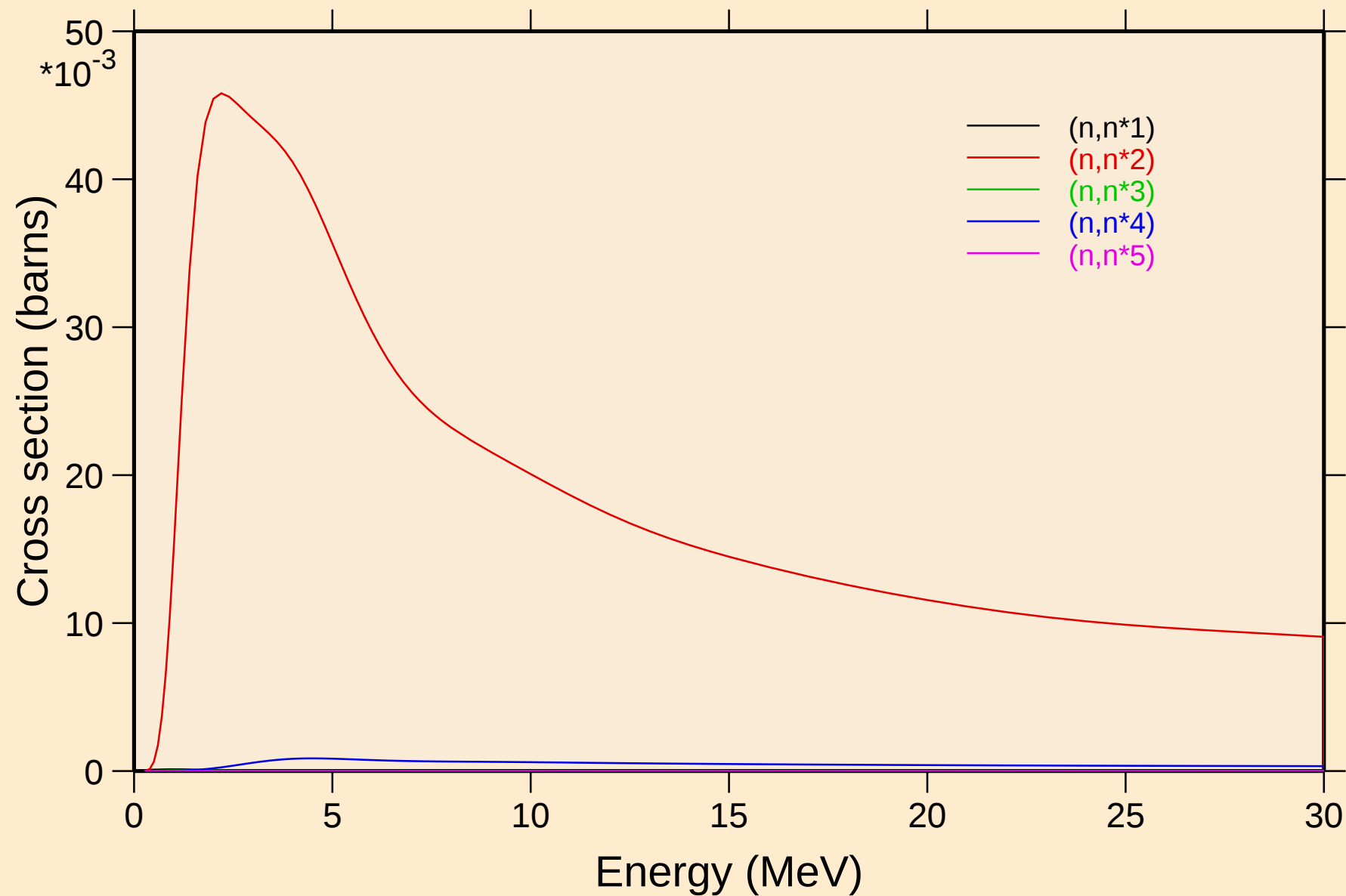
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Non-threshold reactions



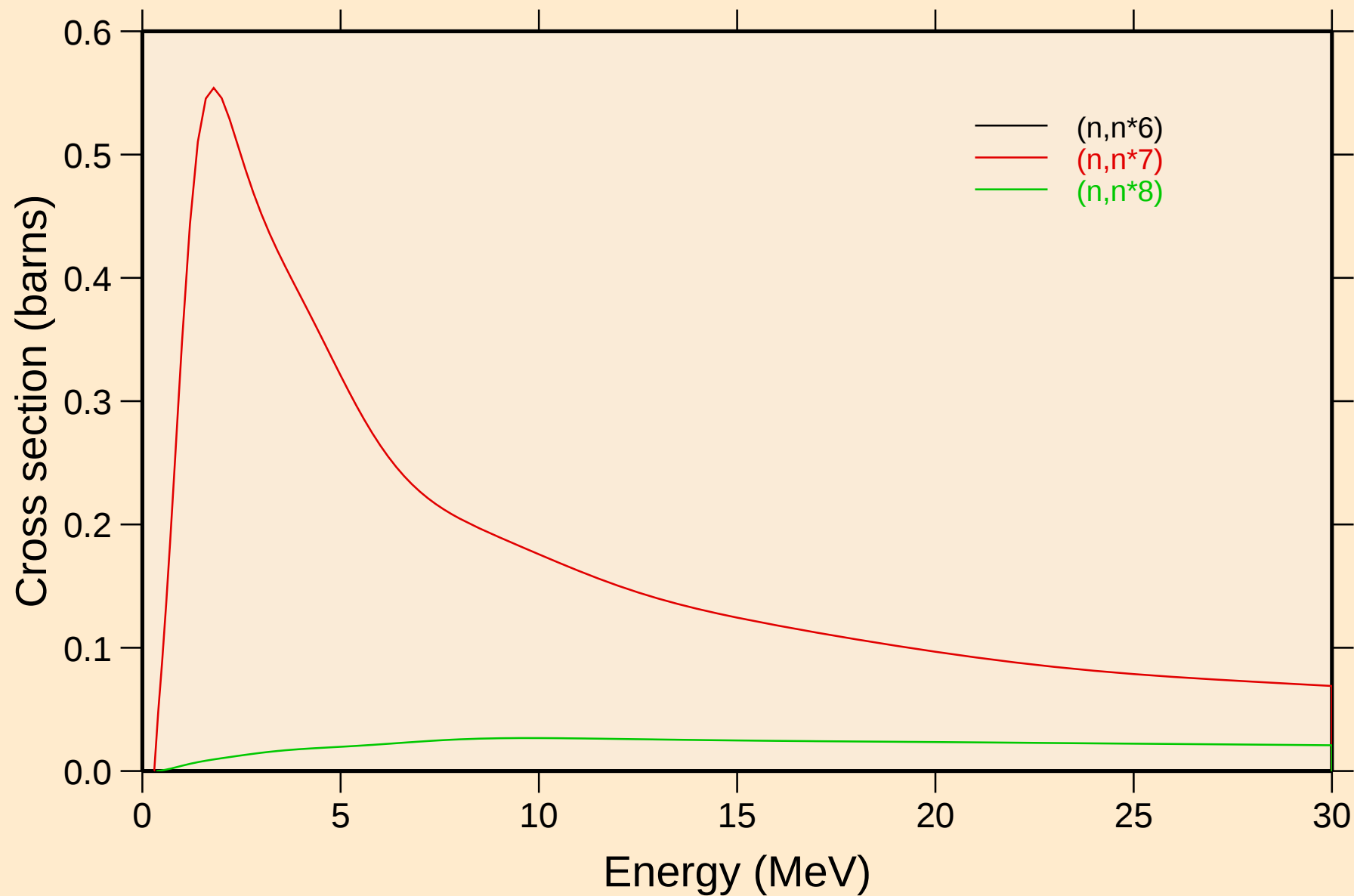
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

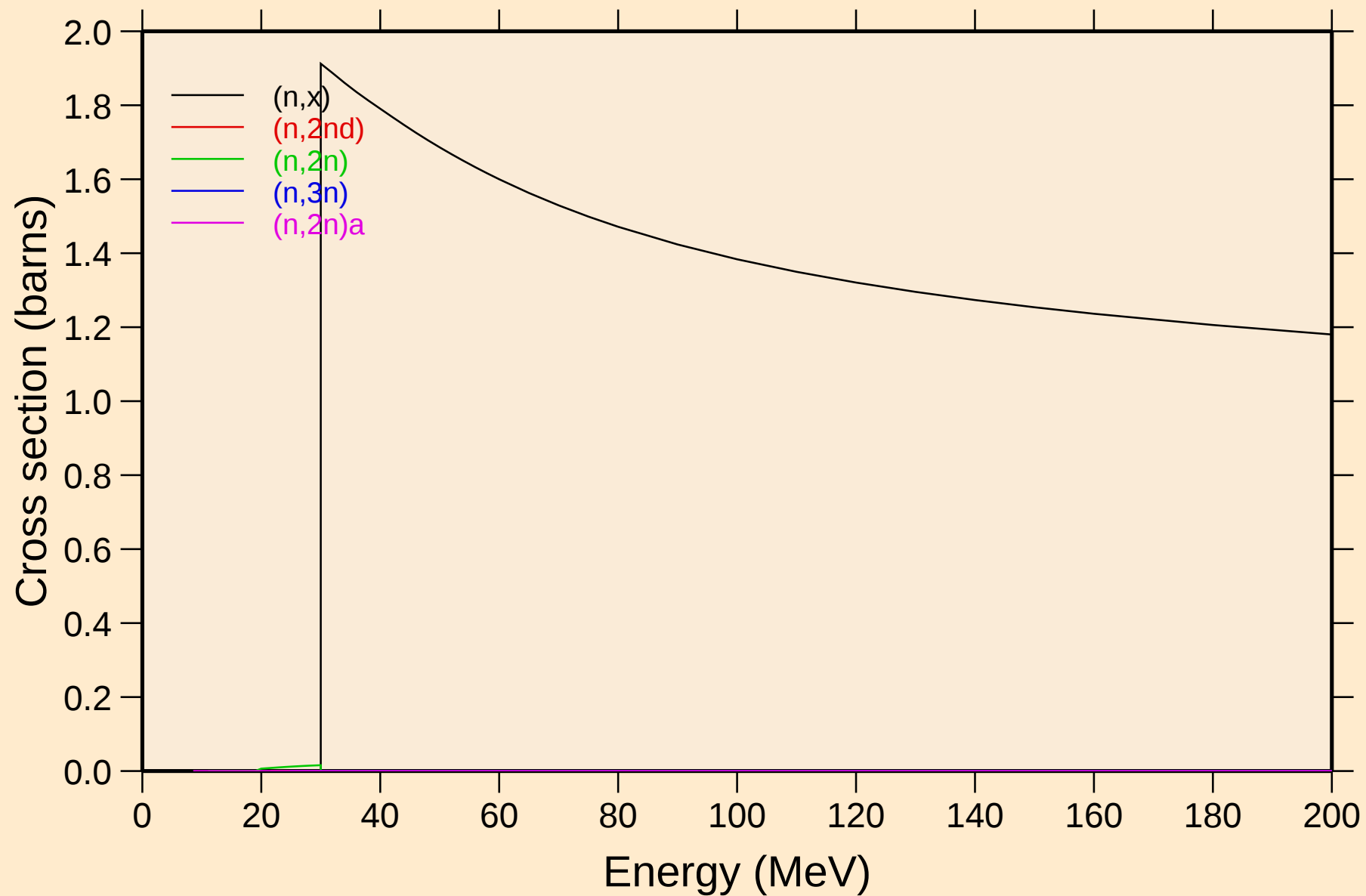


PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



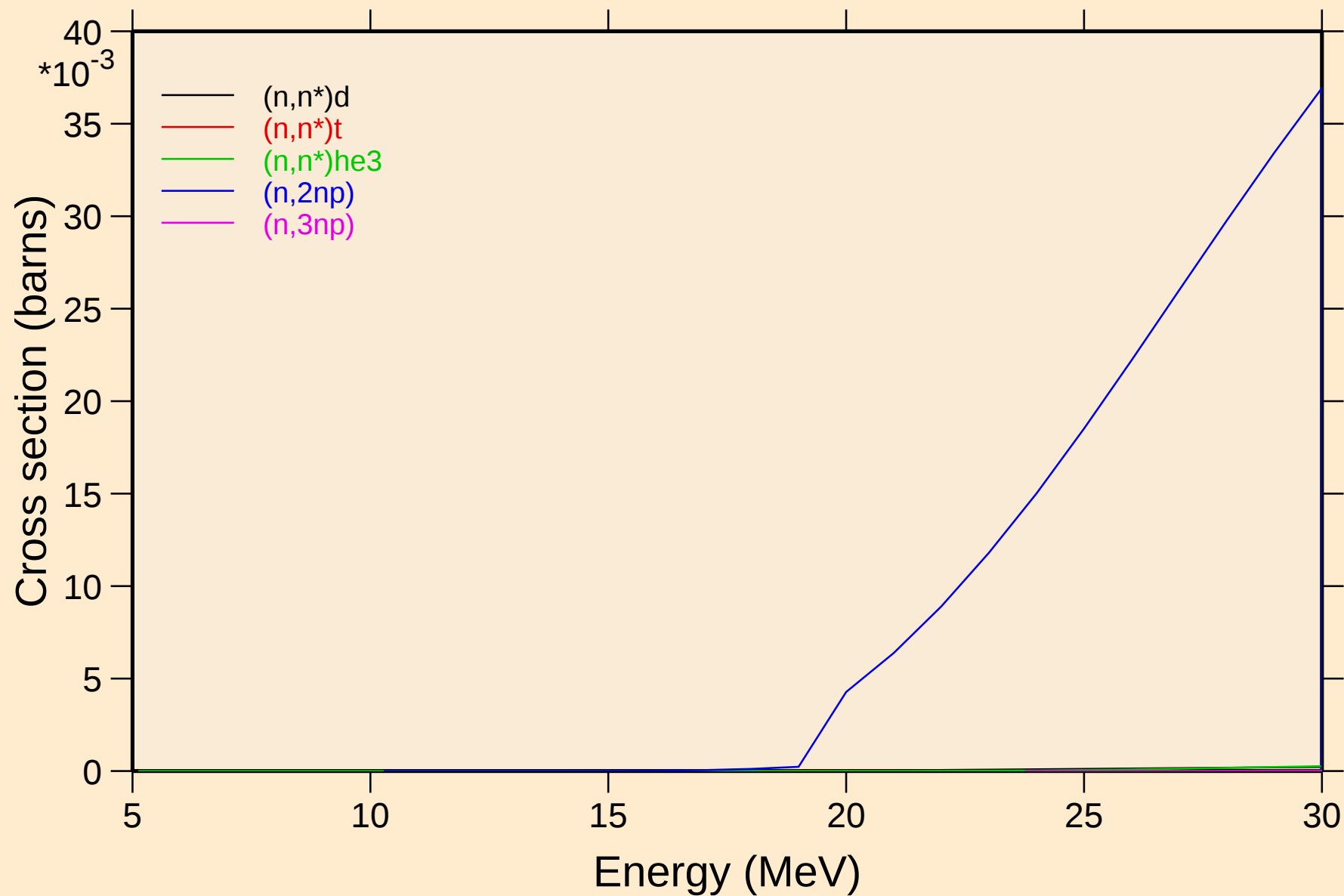
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## Threshold reactions



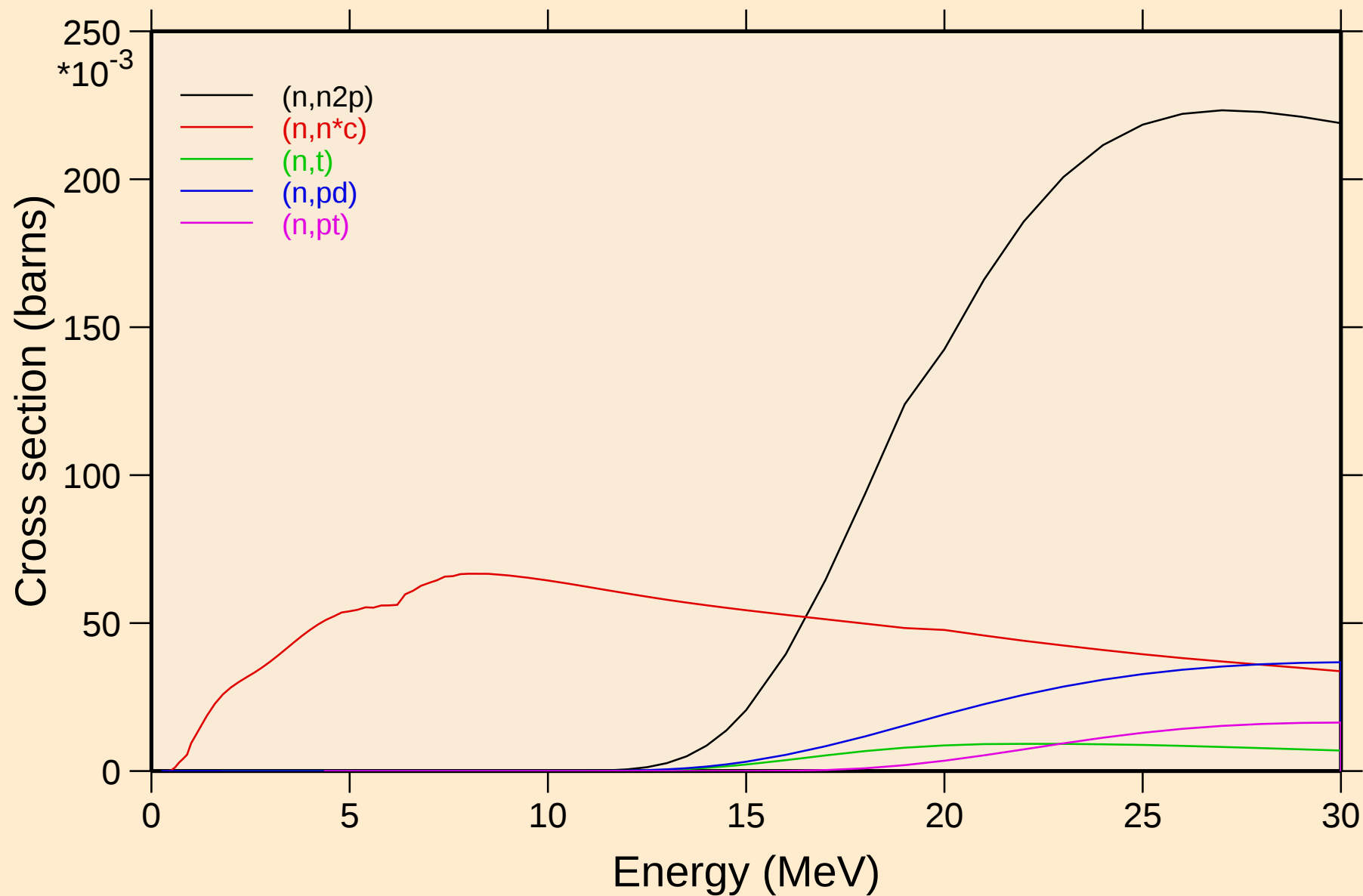
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## Threshold reactions



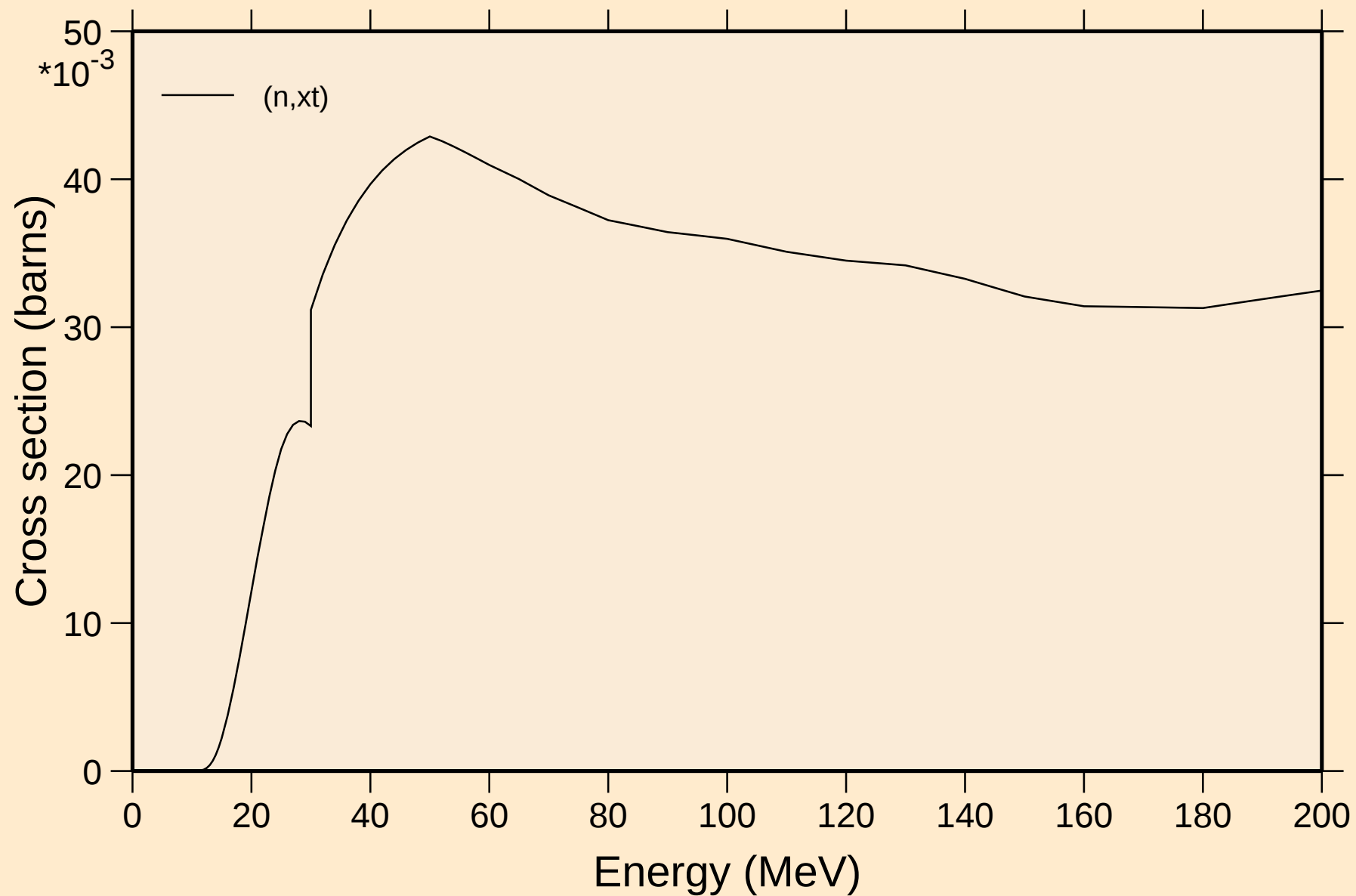
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## Threshold reactions

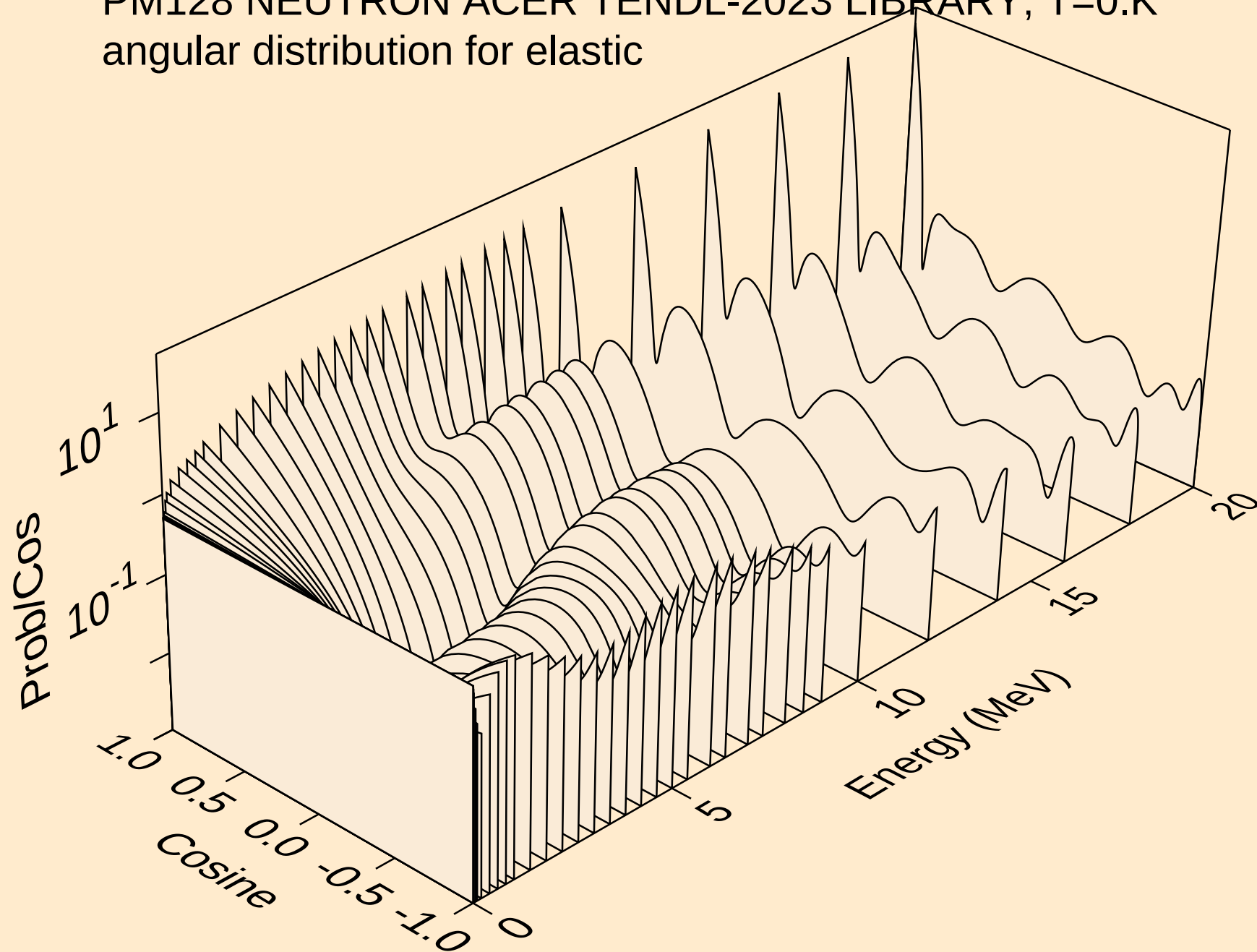


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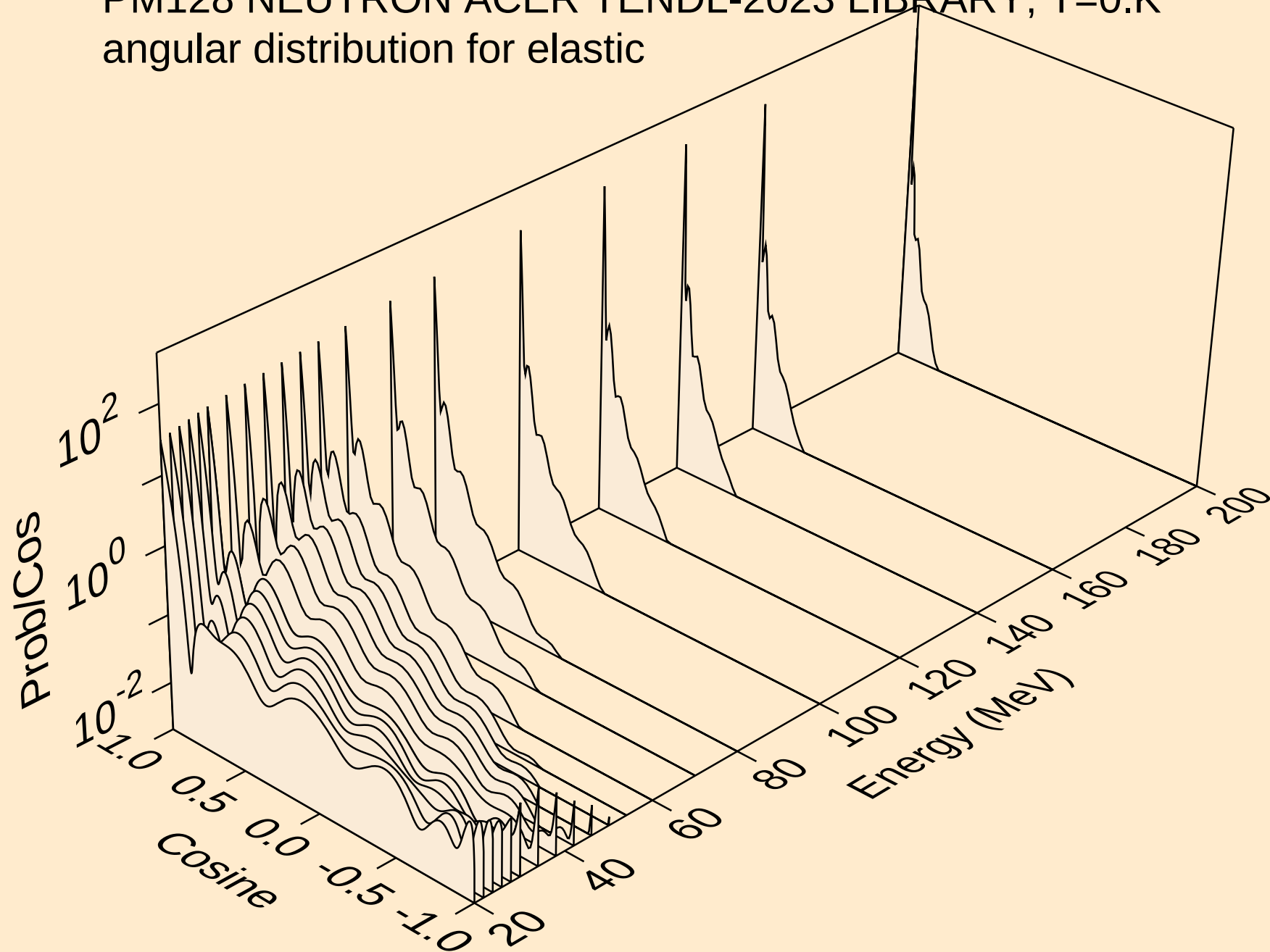
Threshold reactions



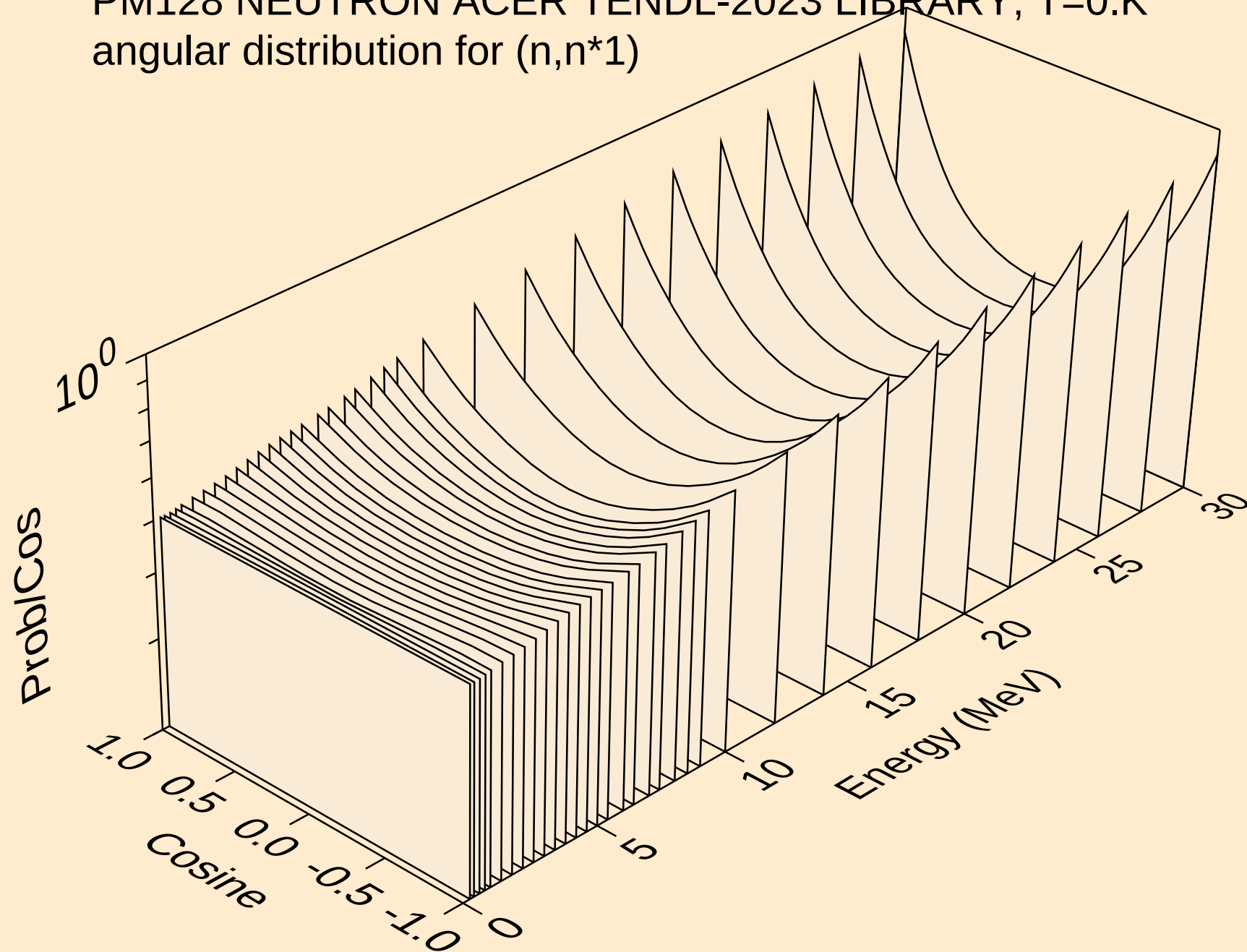
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



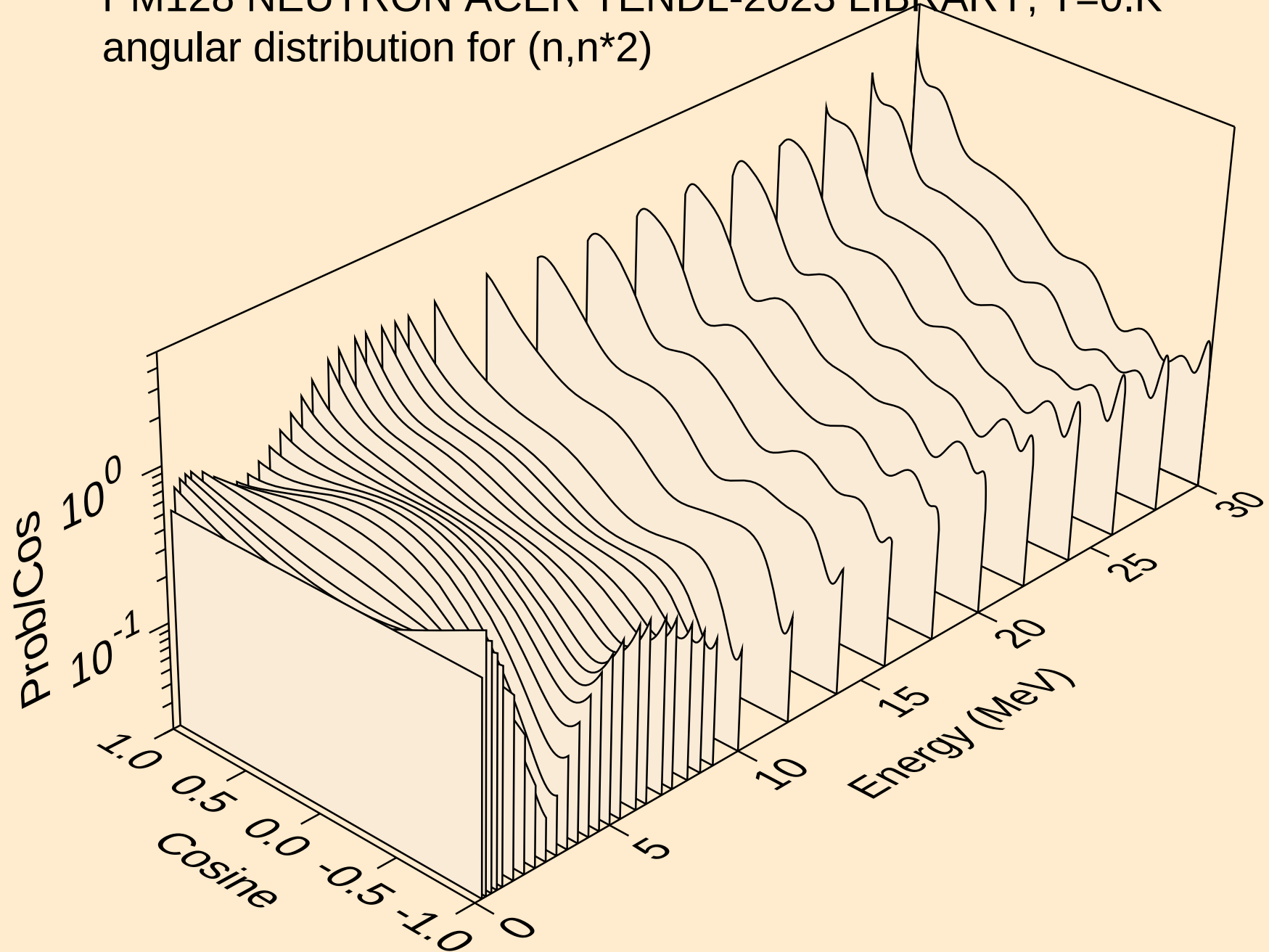
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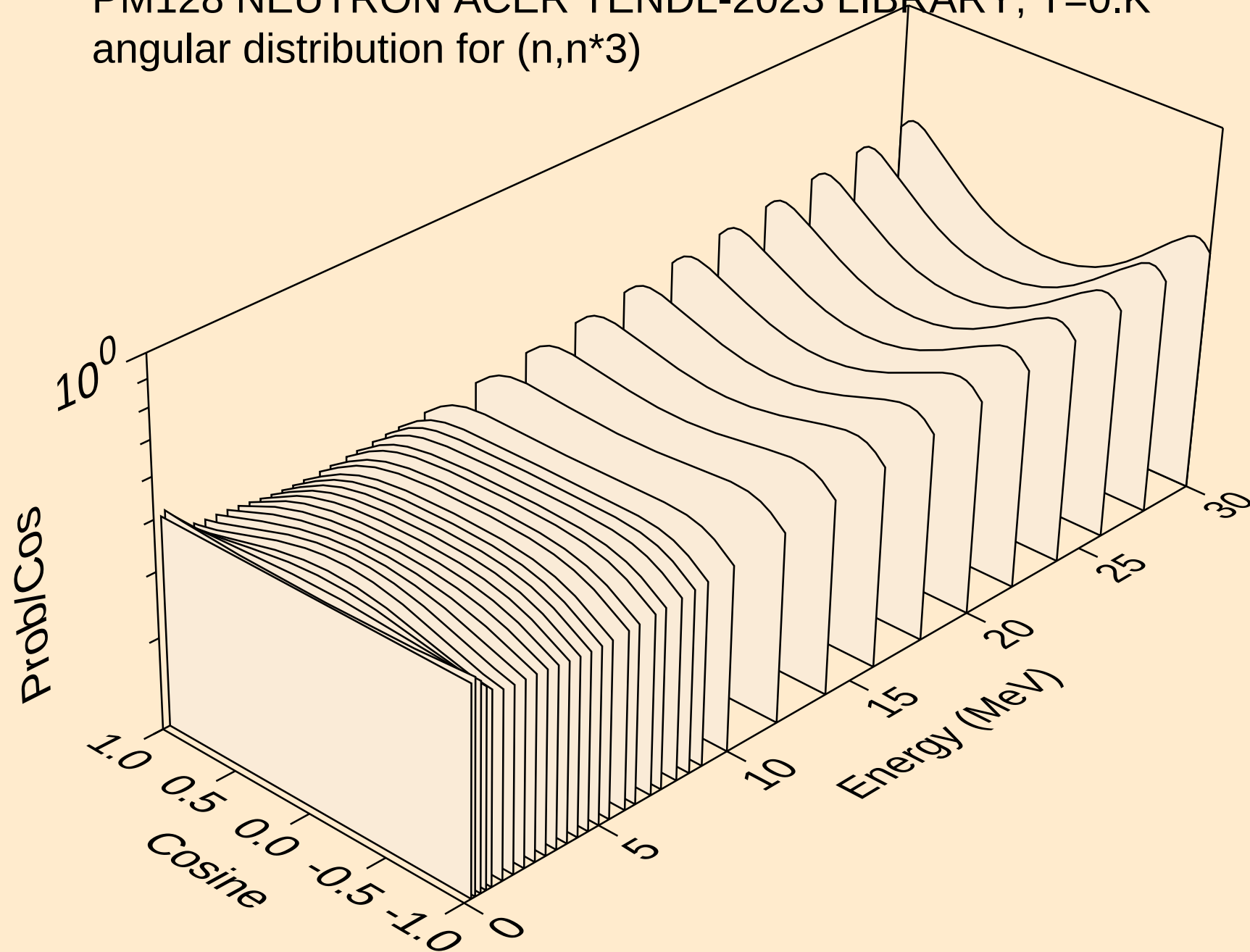
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



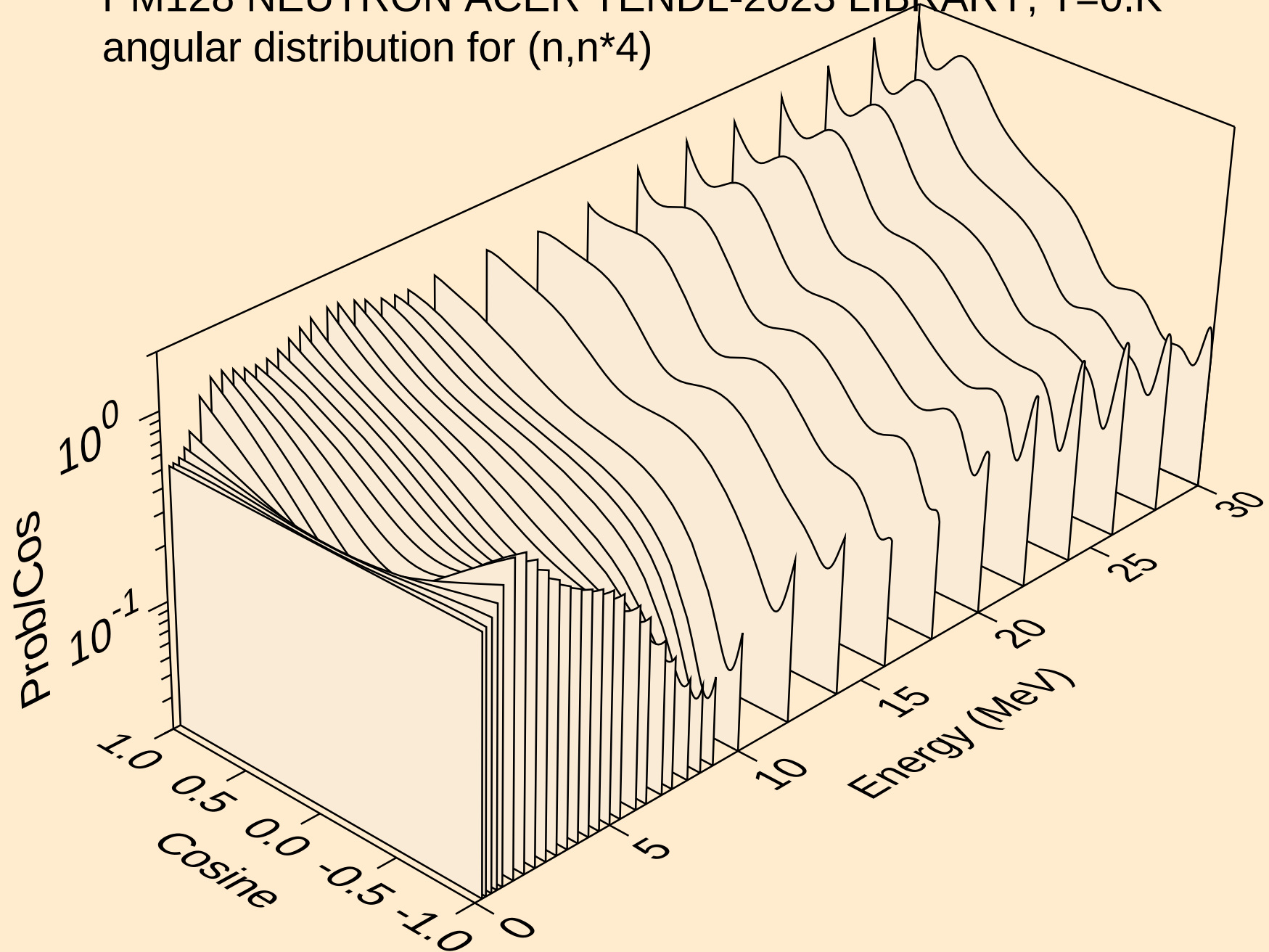
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angular distribution for (n,n\*2)



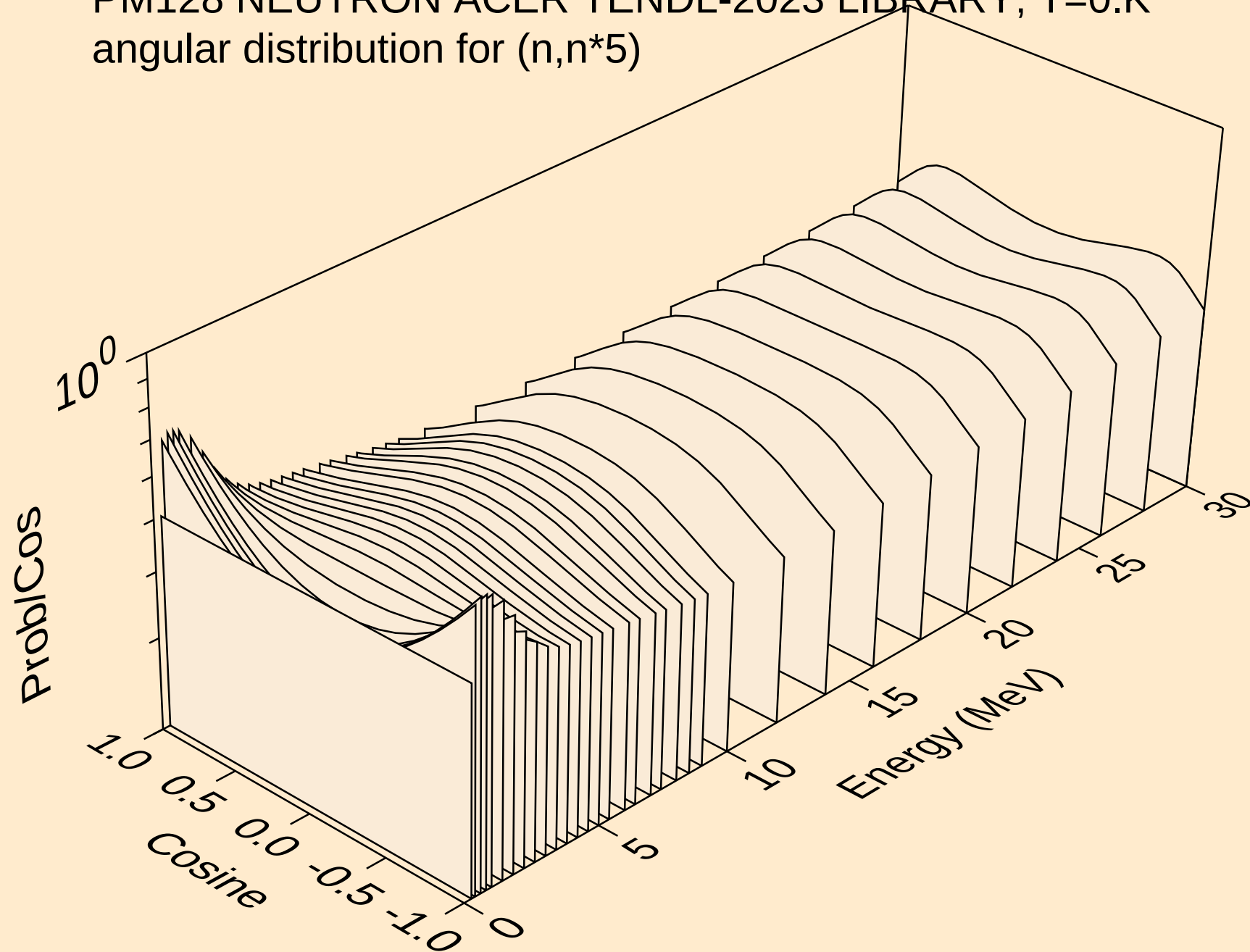
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angular distribution for (n,n\*3)



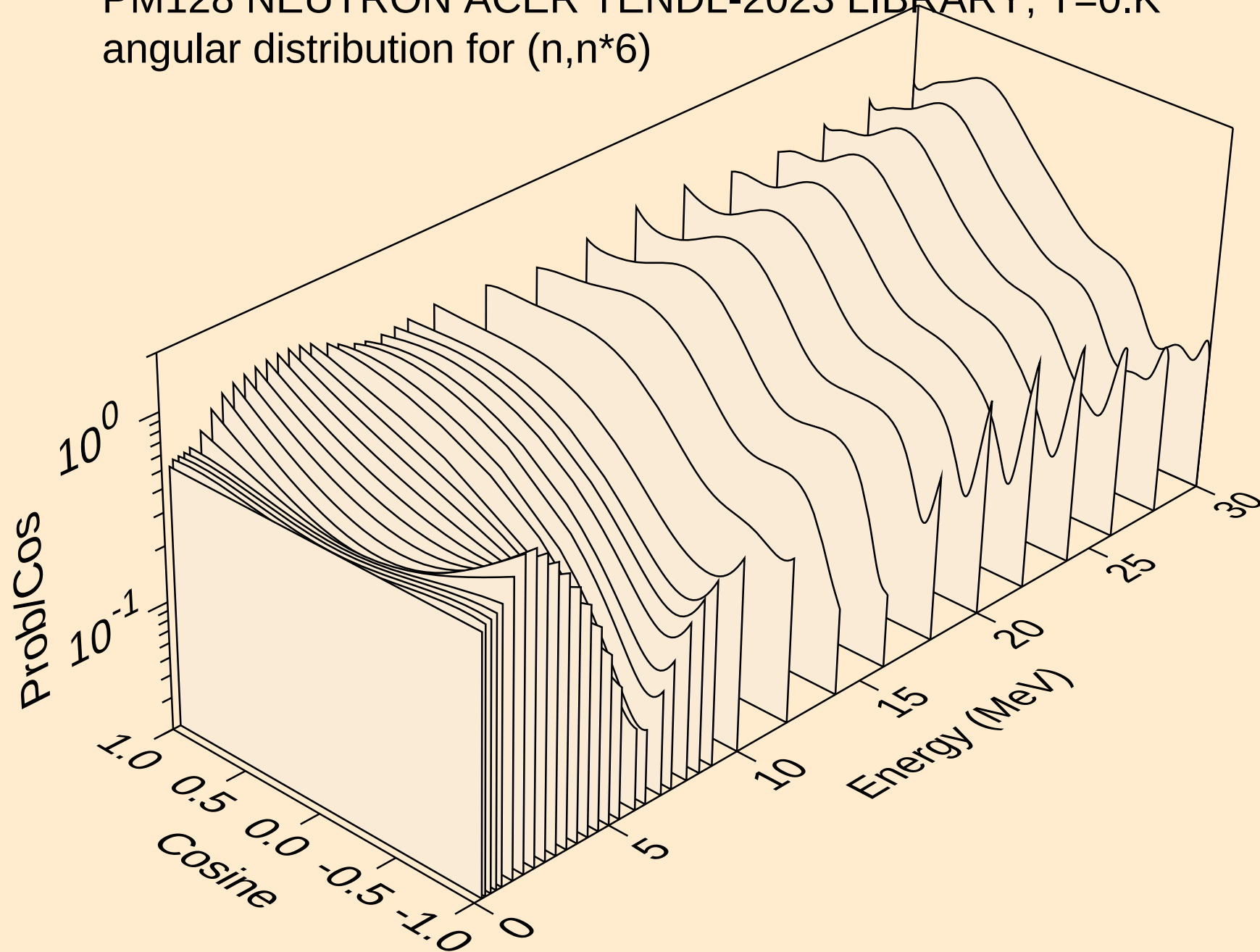
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angular distribution for (n,n\*4)



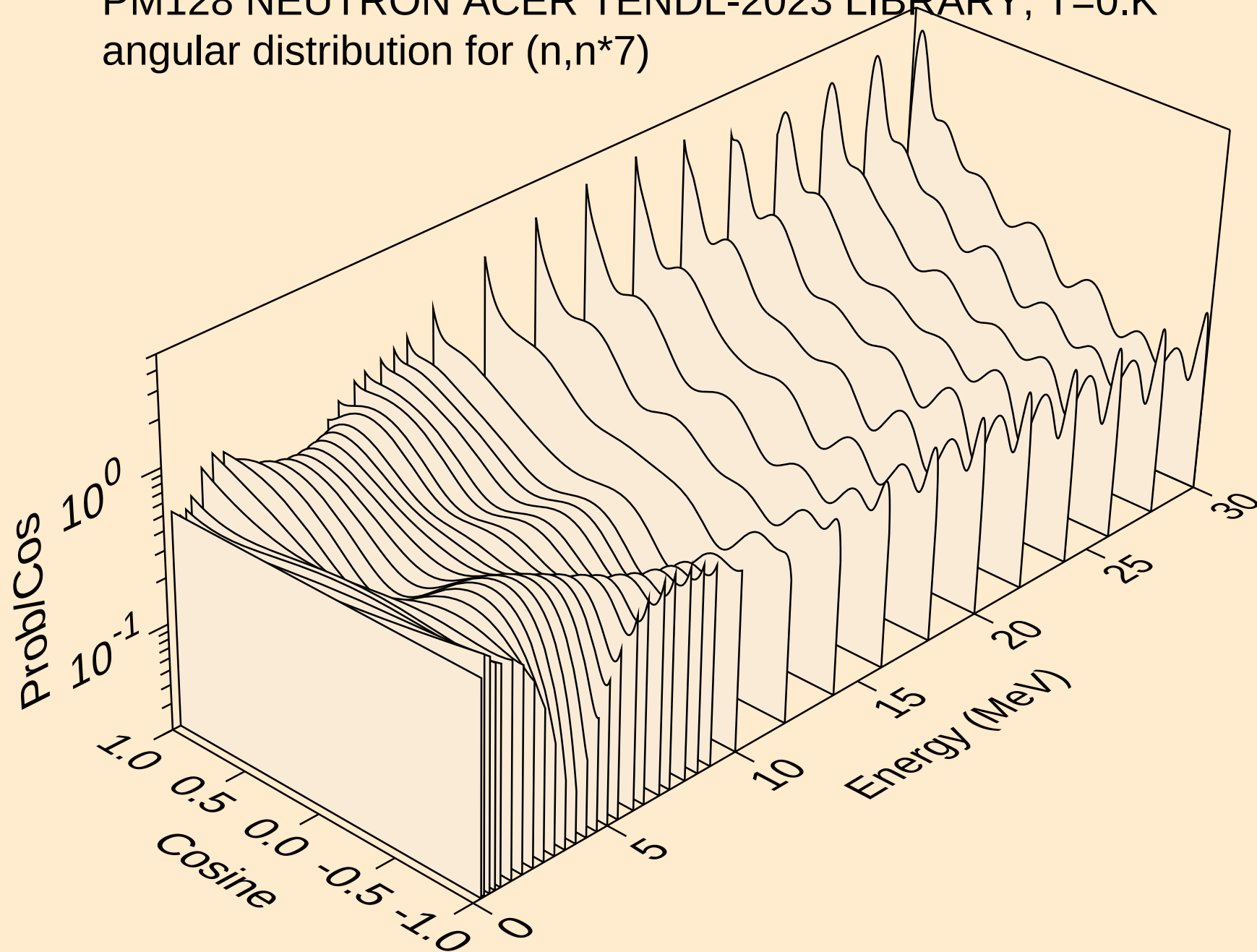
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angular distribution for (n,n\*5)



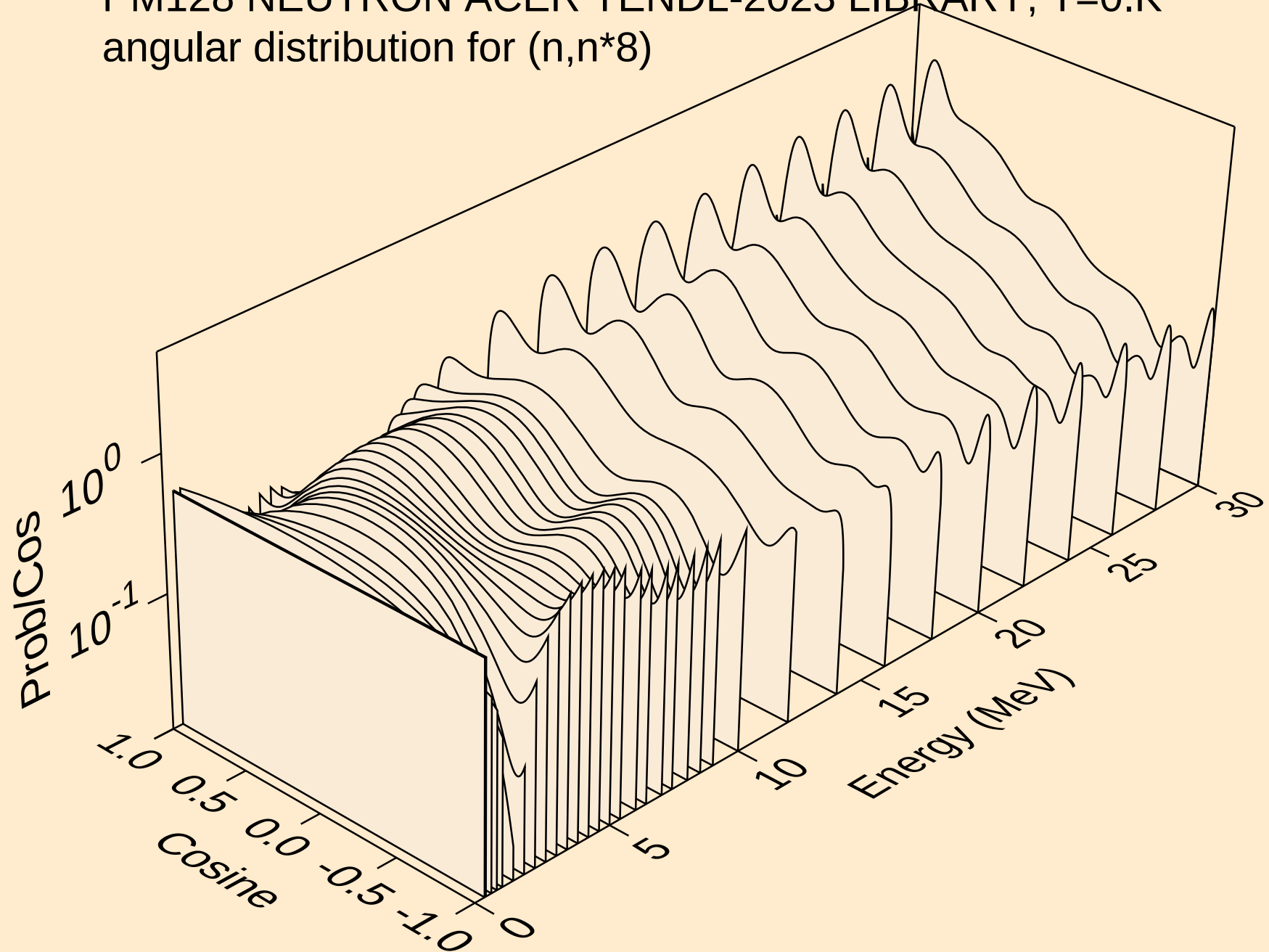
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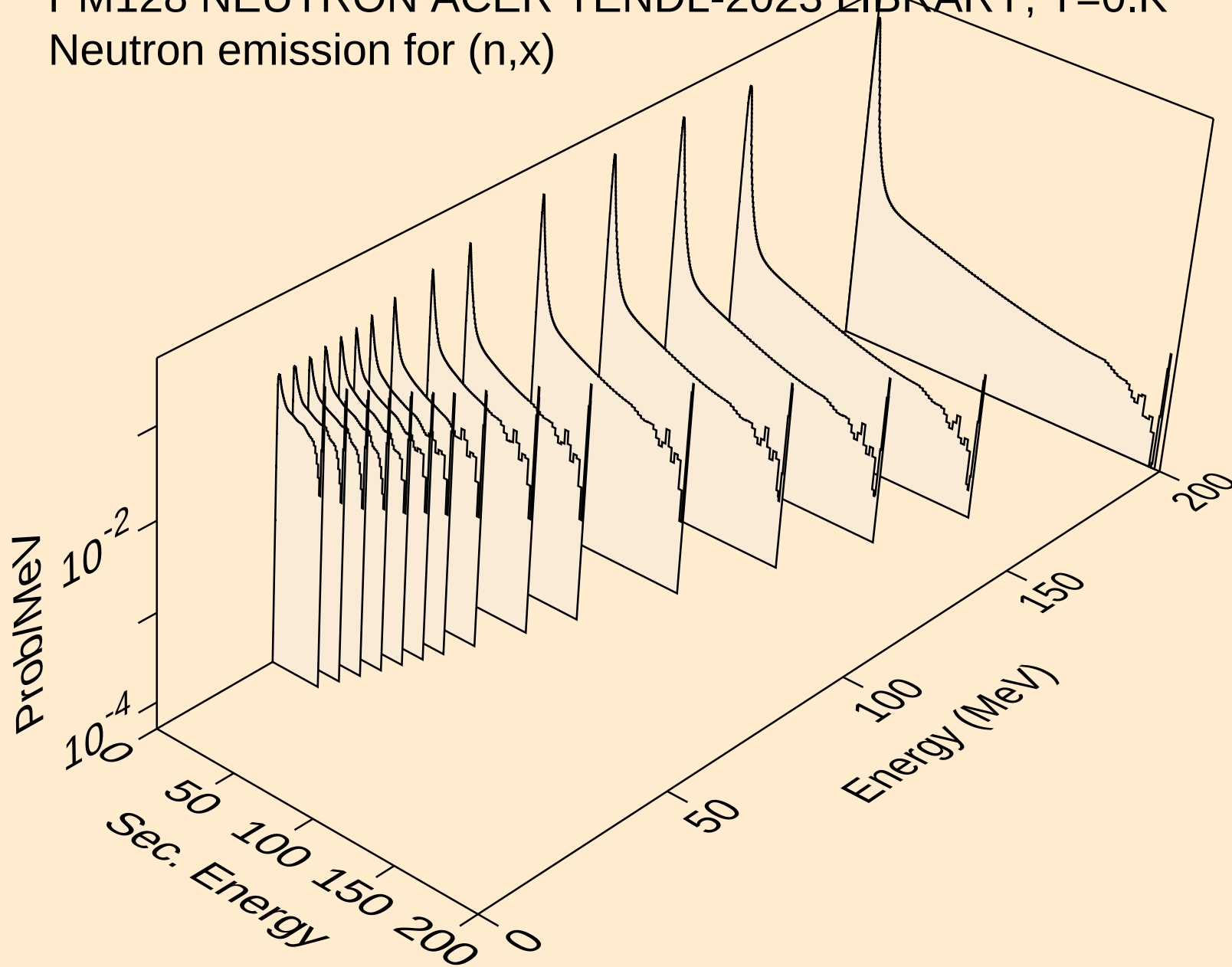
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angular distribution for (n,n\*7)



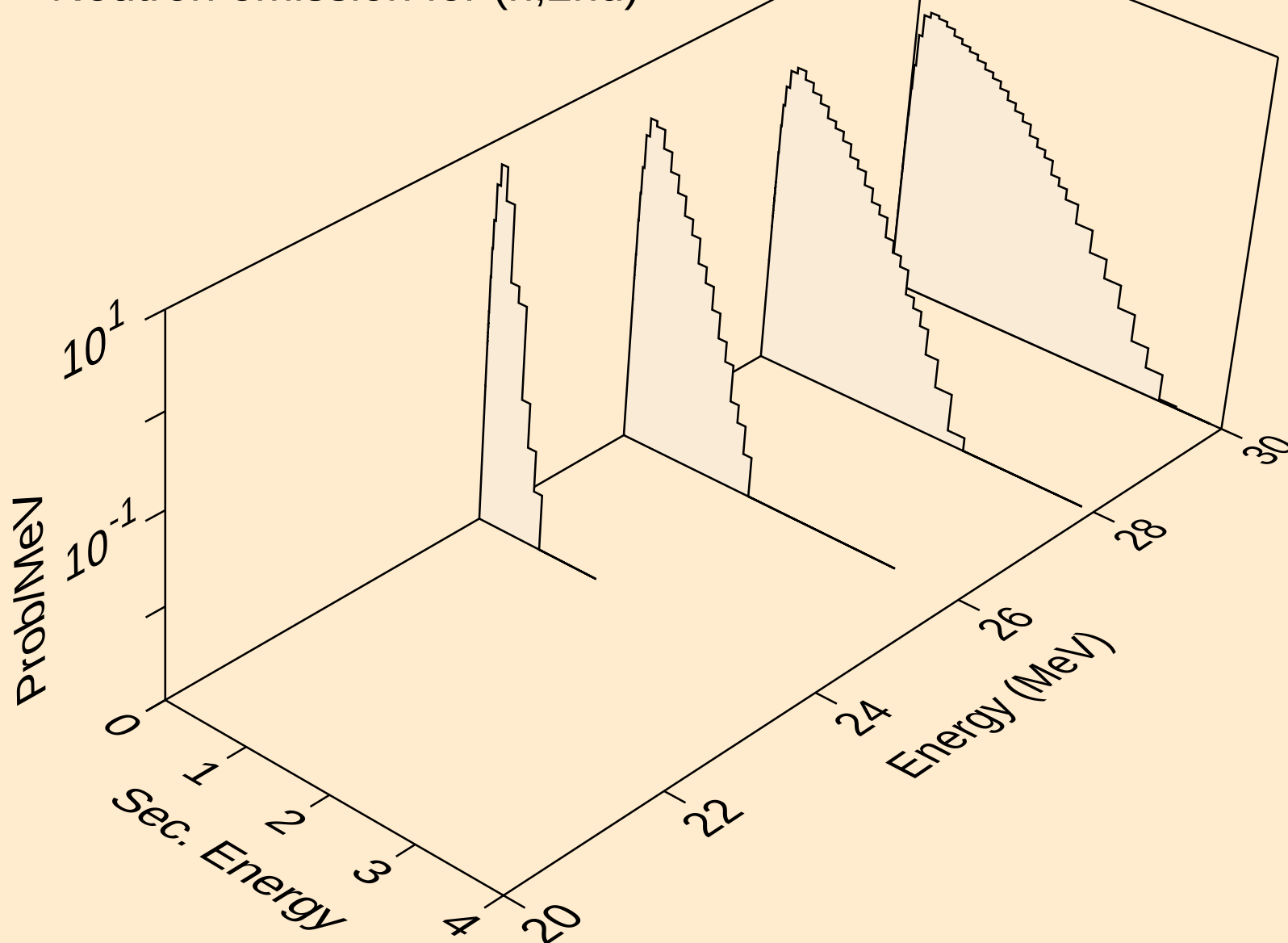
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angular distribution for (n,n\*8)



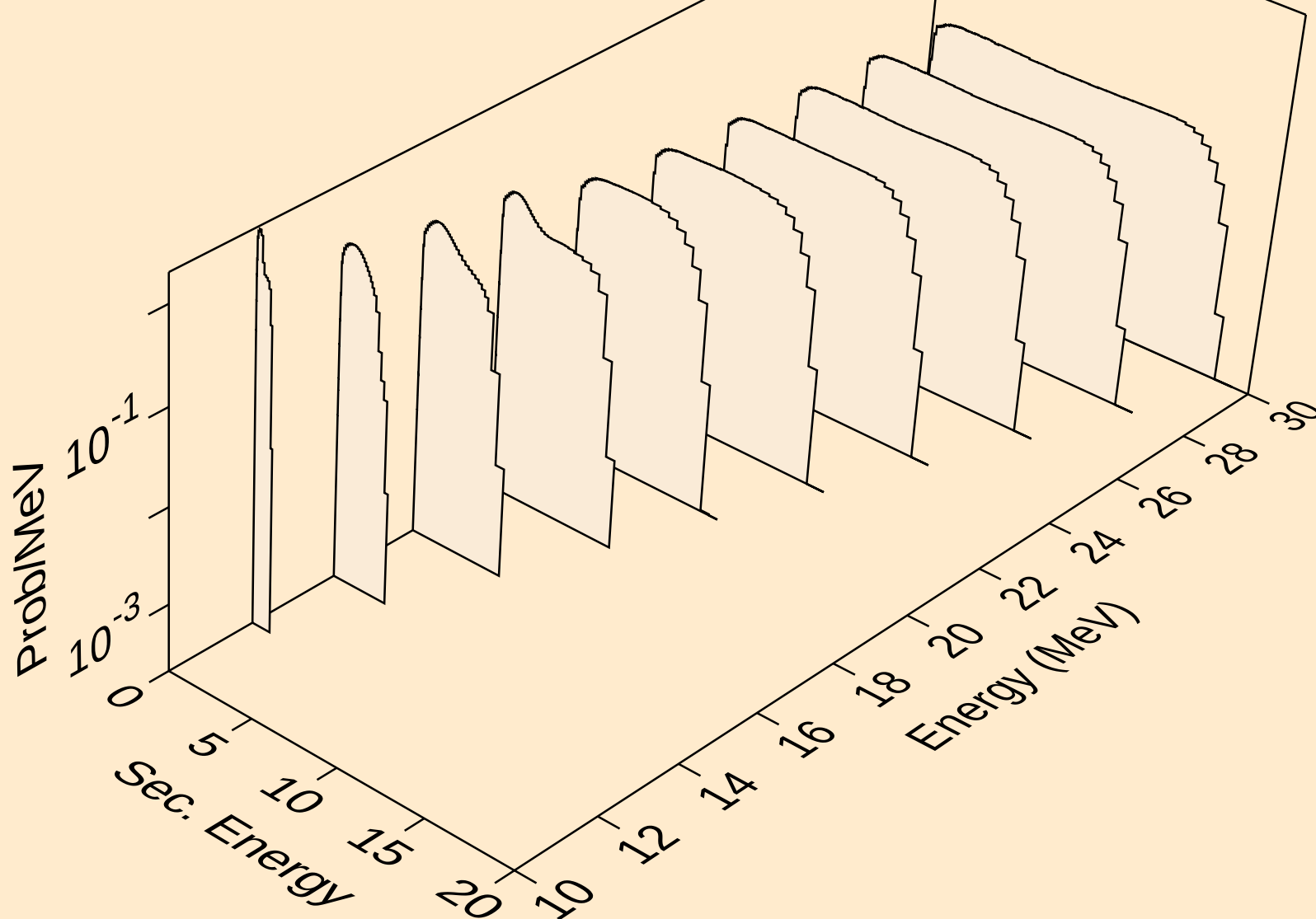
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



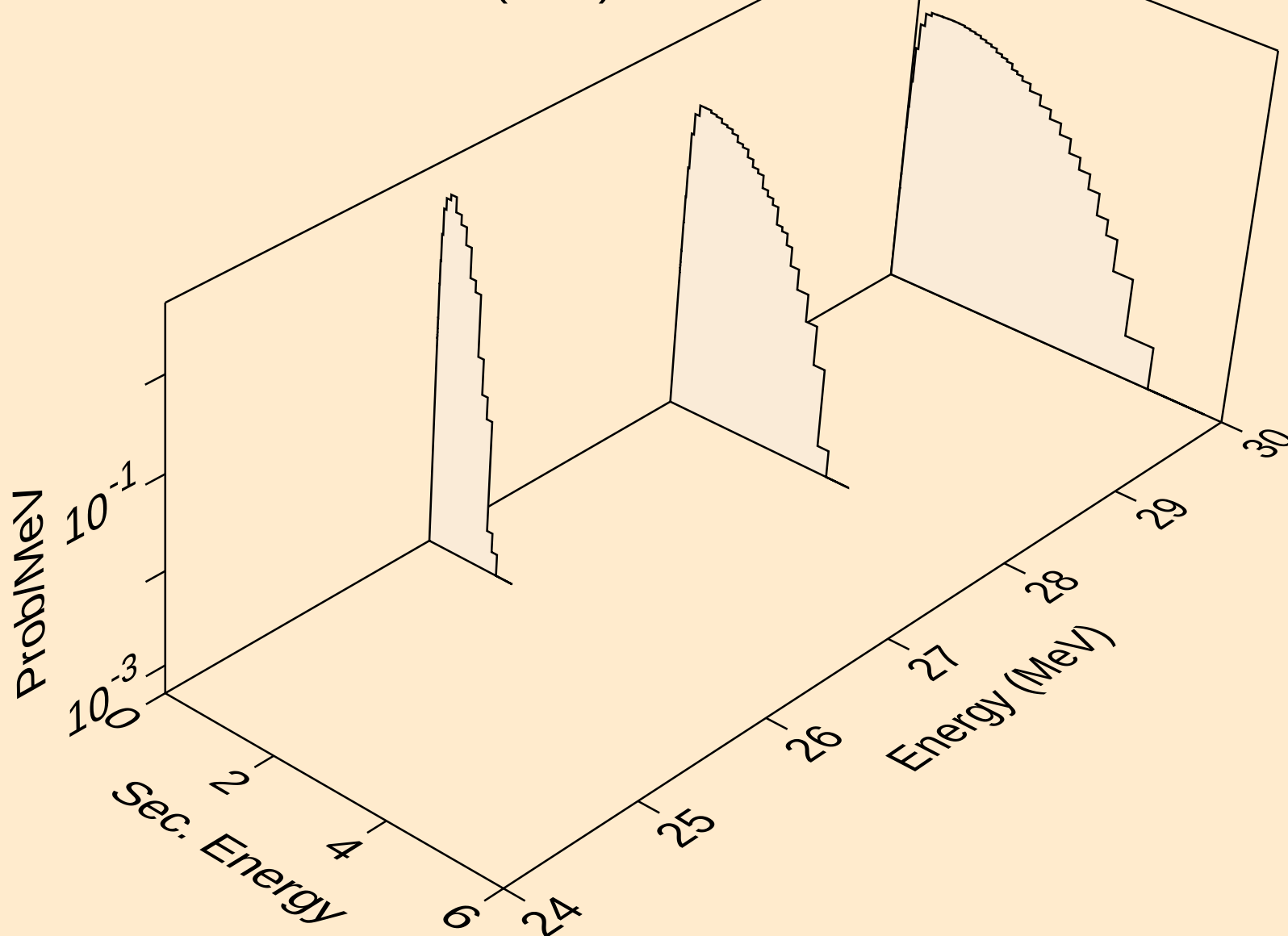
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



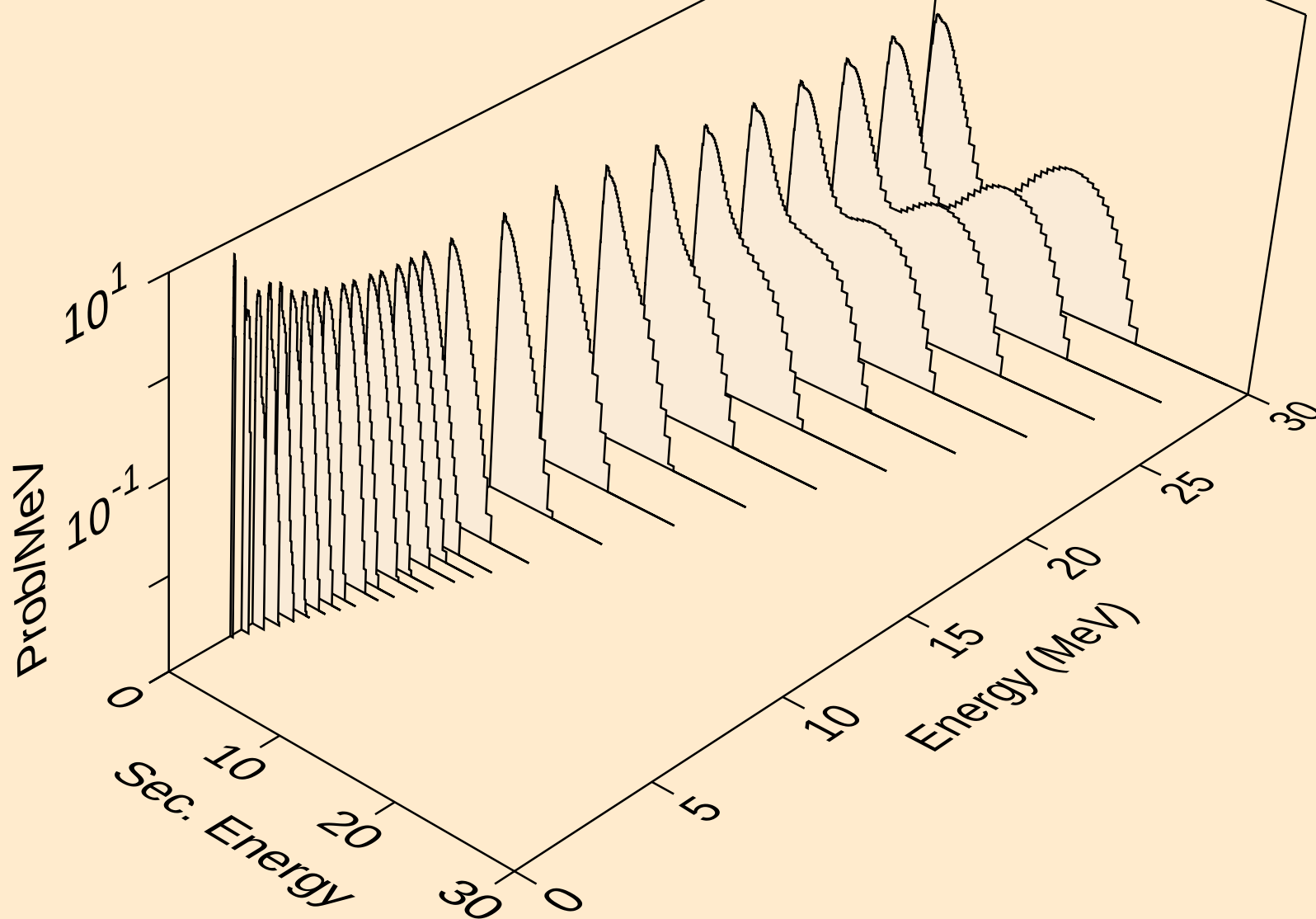
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Neutron emission for (n,2n)



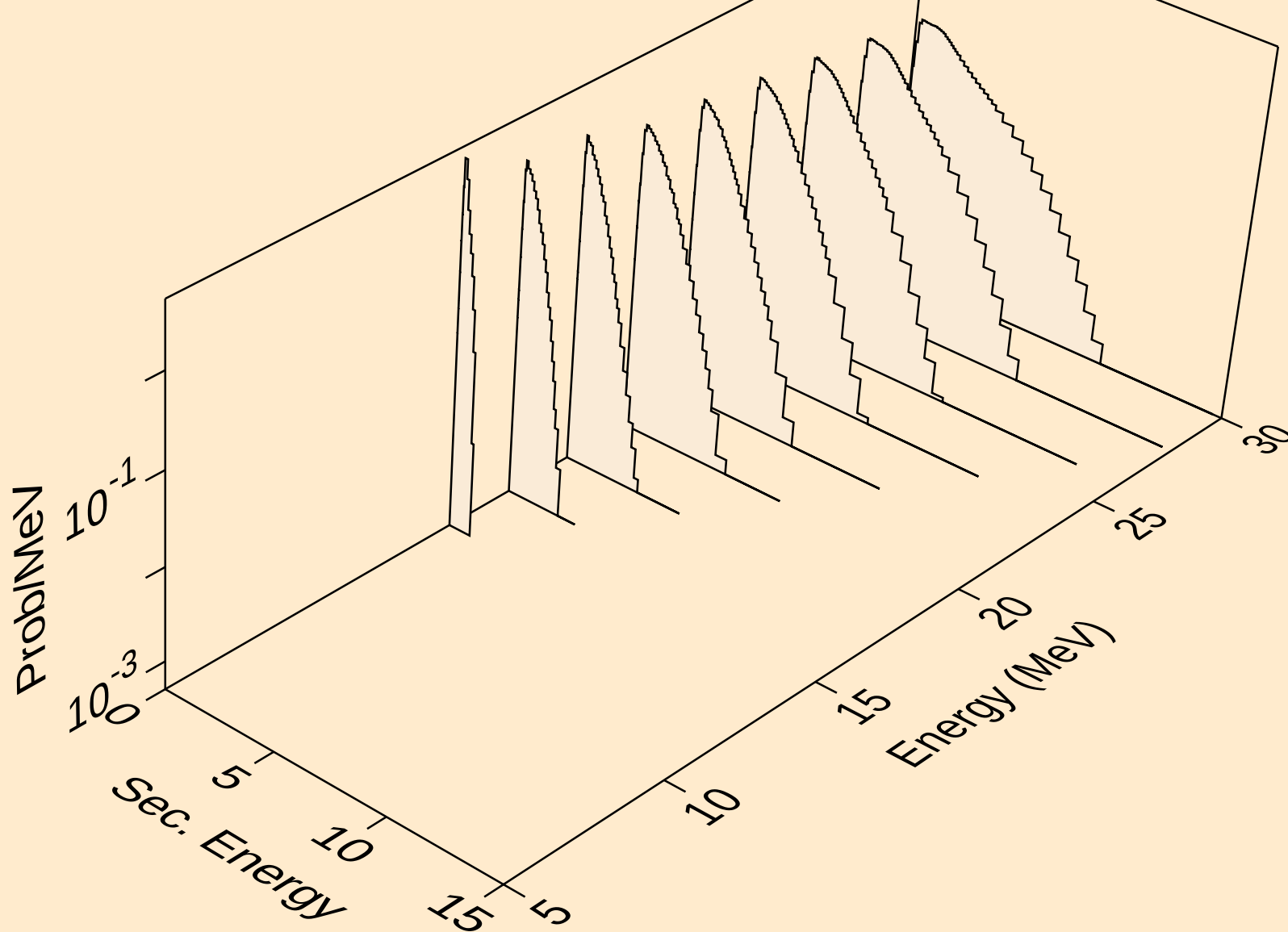
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Neutron emission for (n,3n)



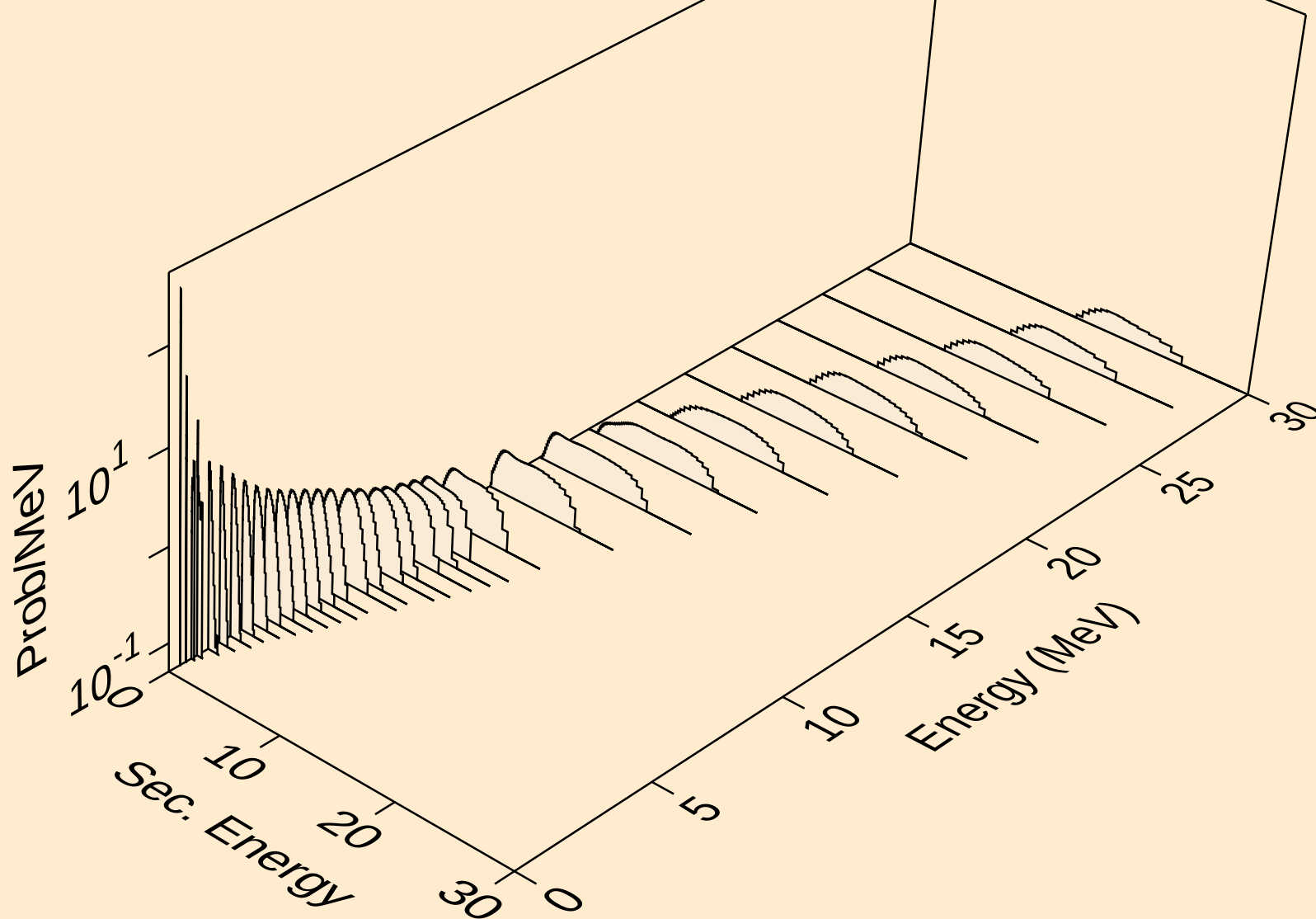
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



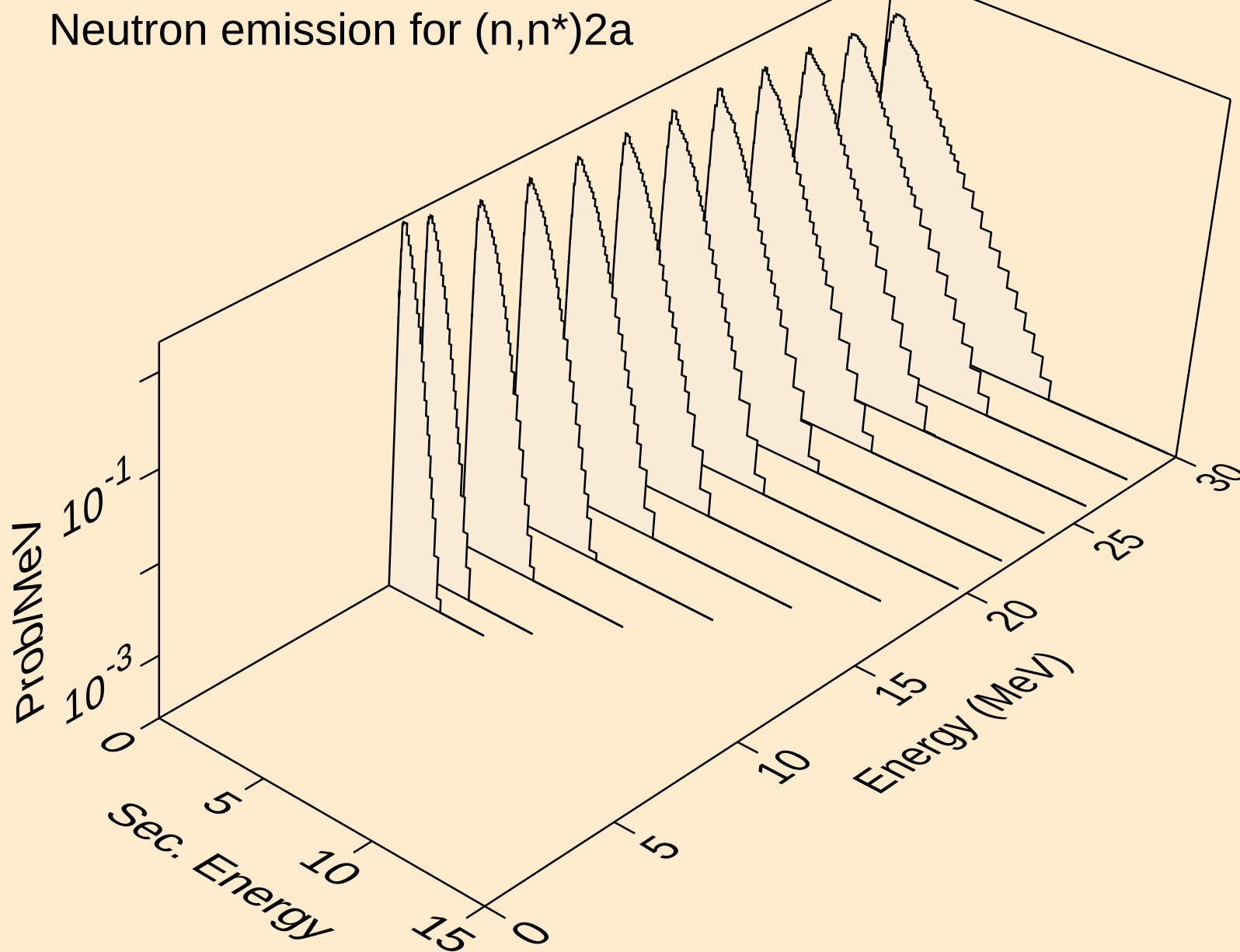
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Neutron emission for (n,2n)<sub>a</sub>



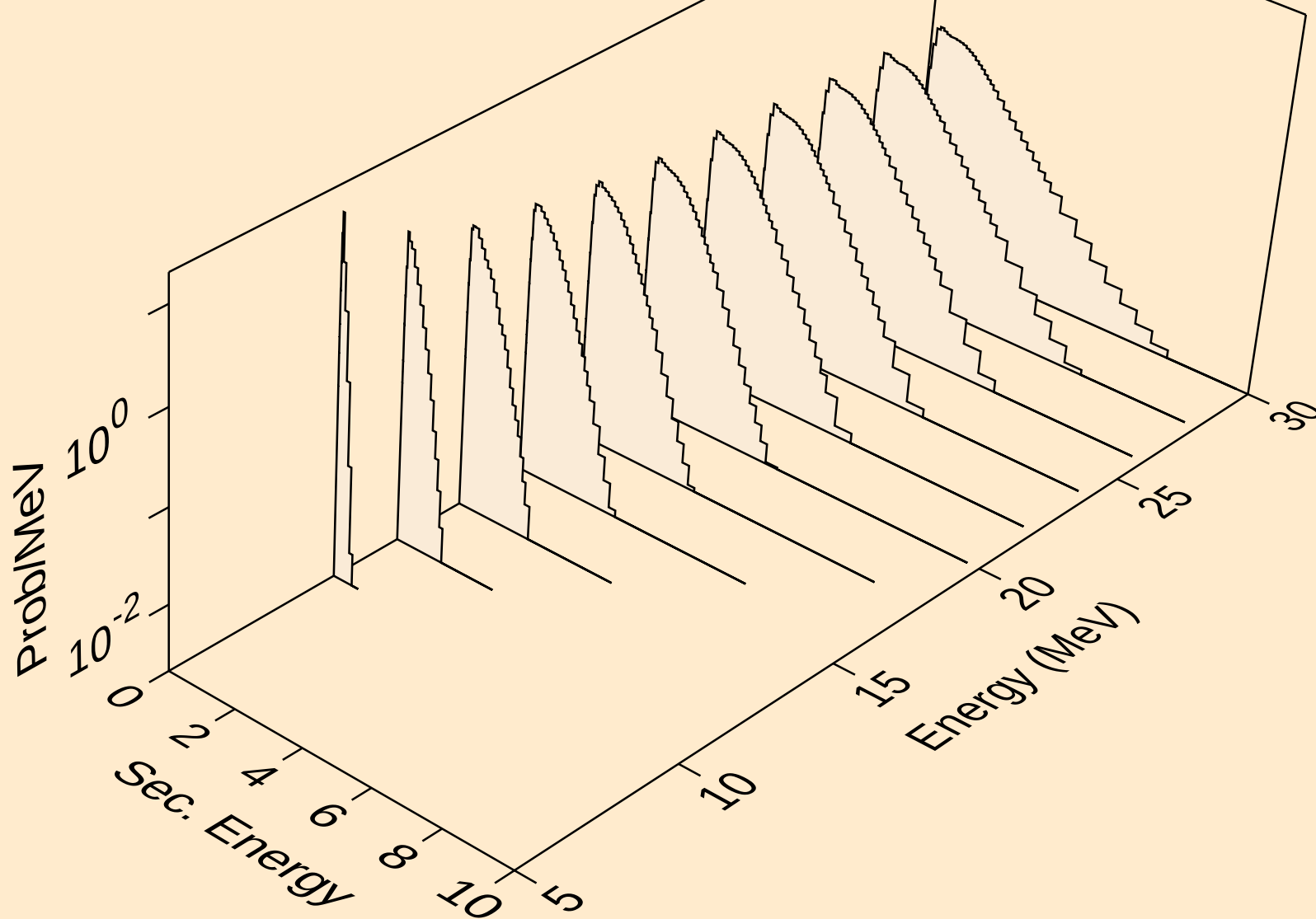
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



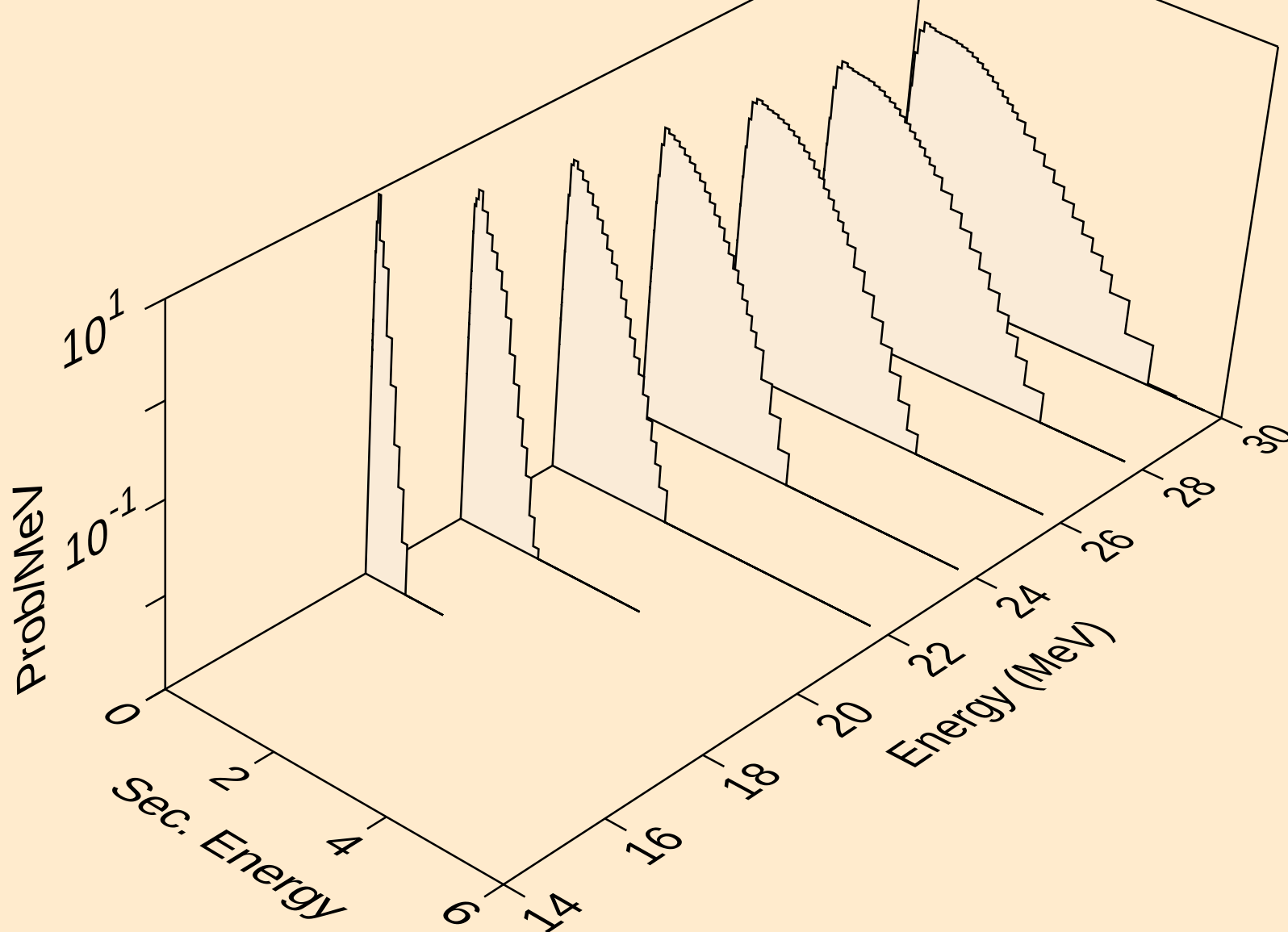
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Neutron emission for (n,n\*)2a



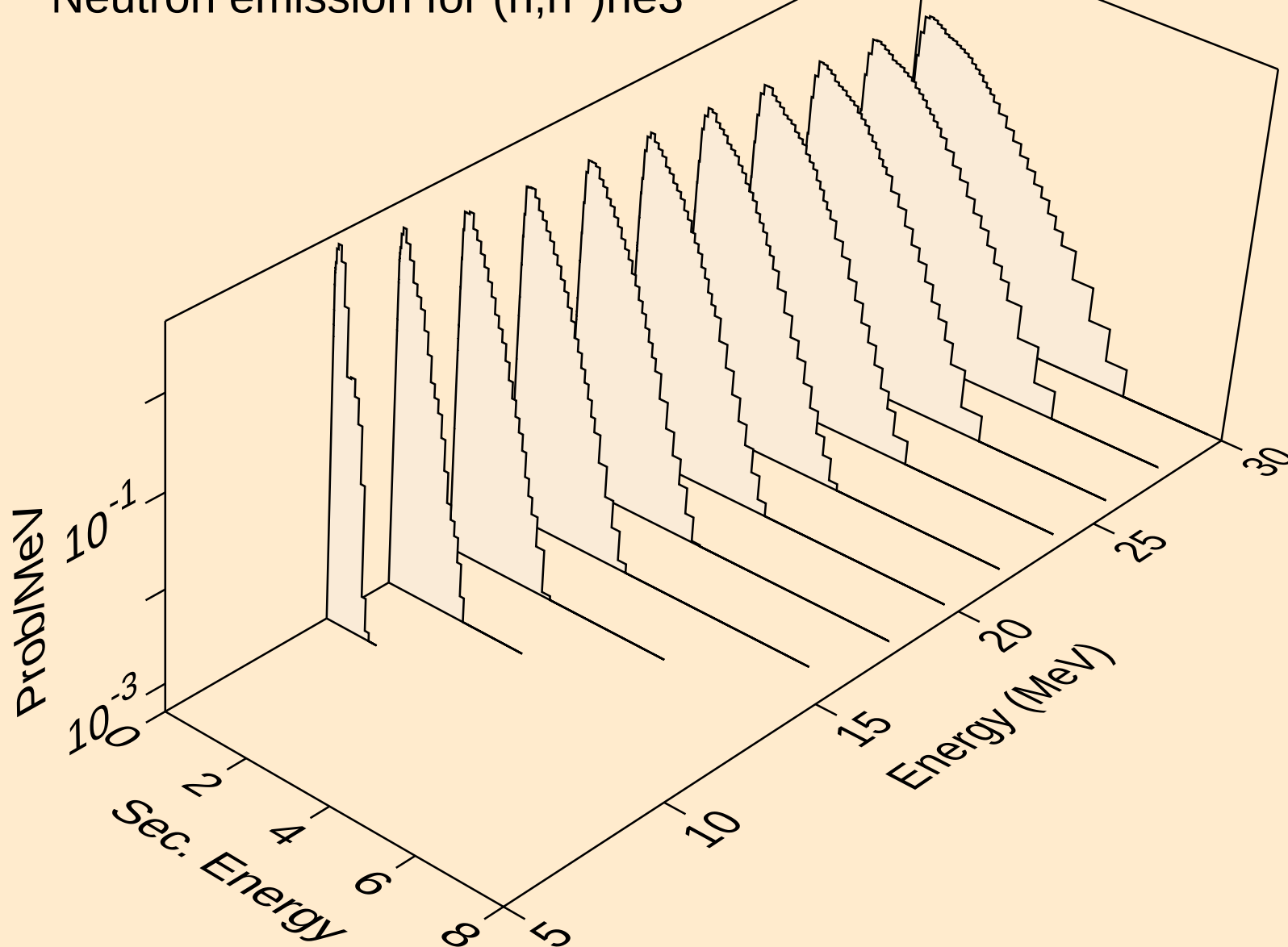
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



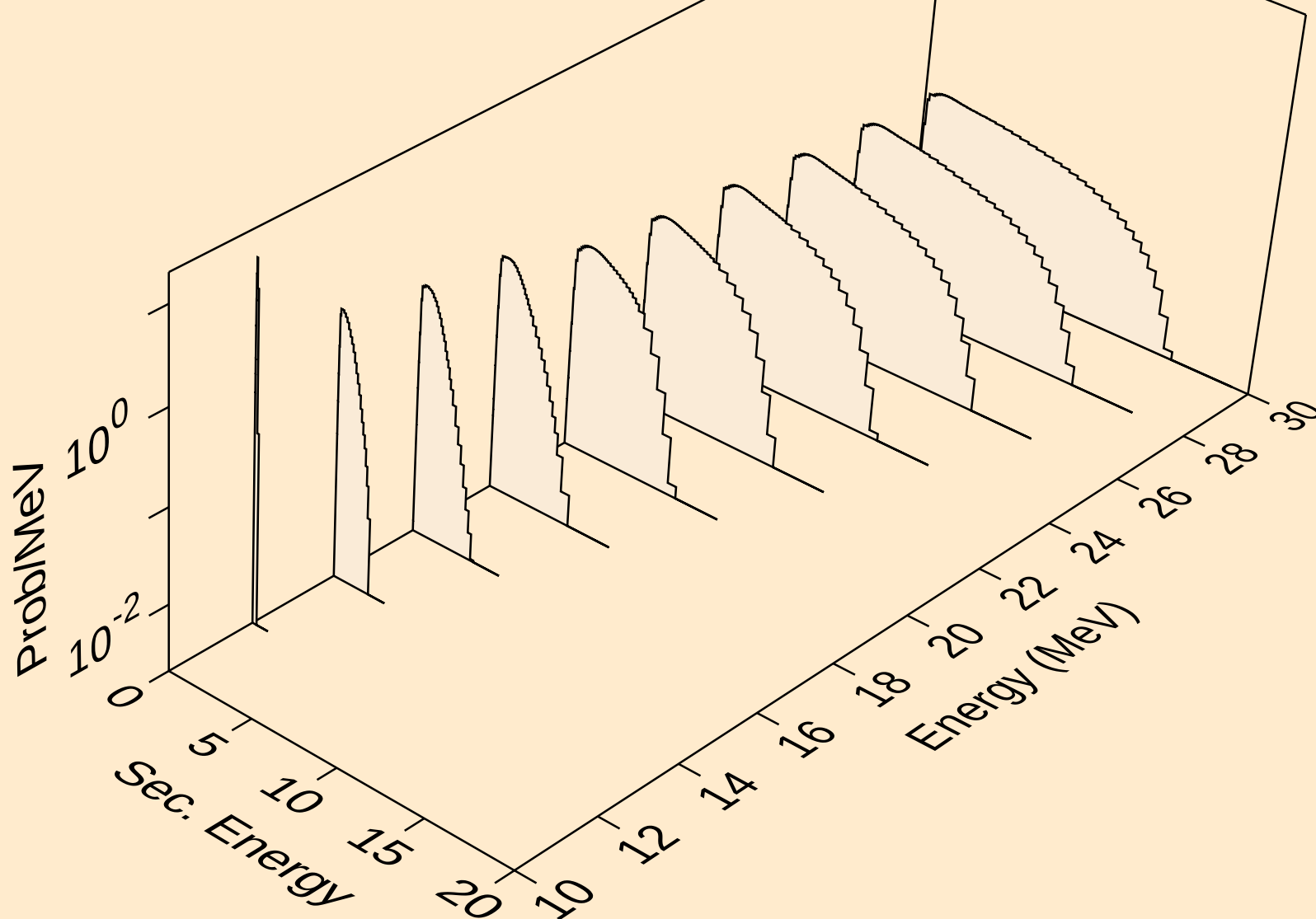
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



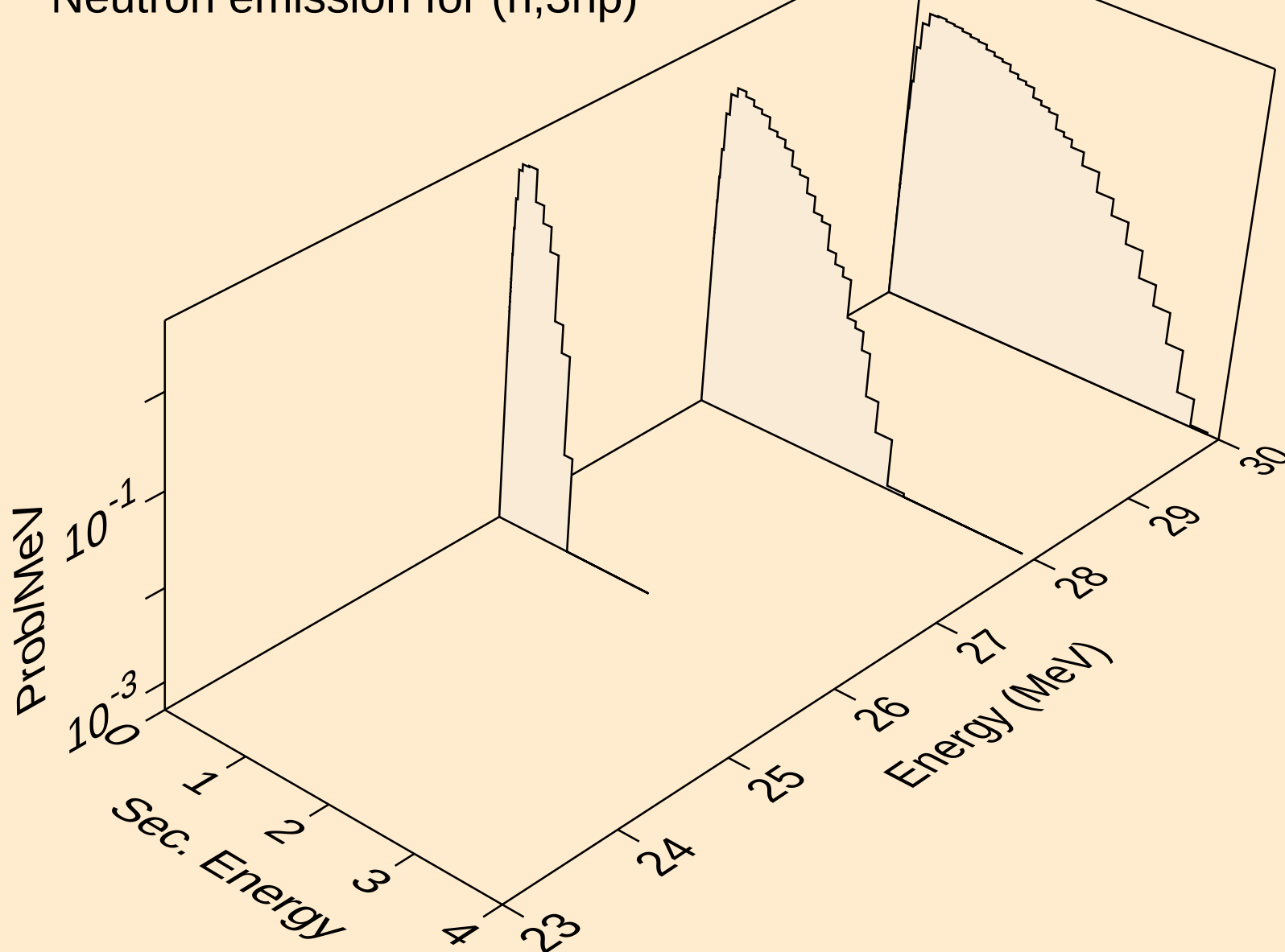
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



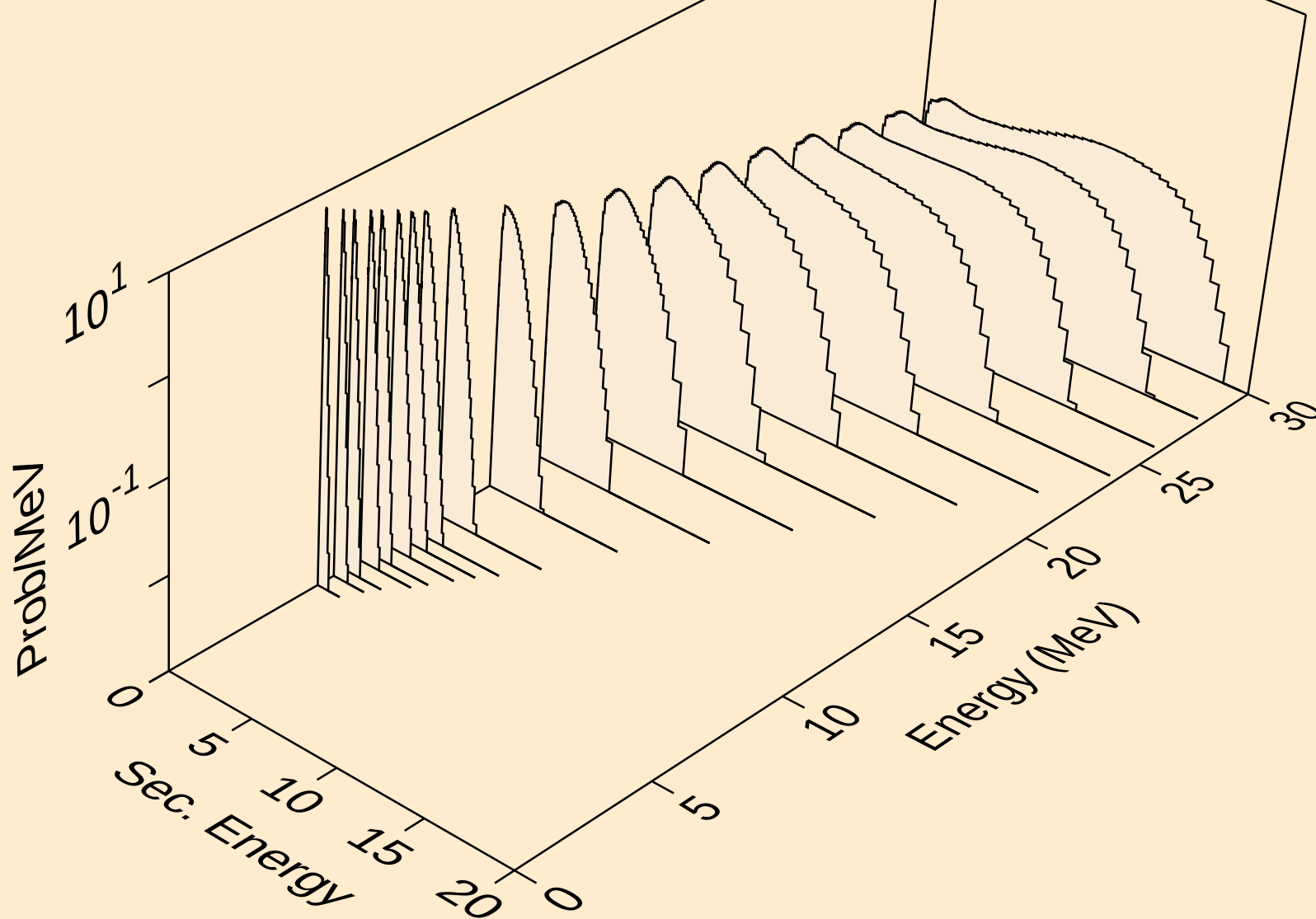
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Neutron emission for (n,2np)



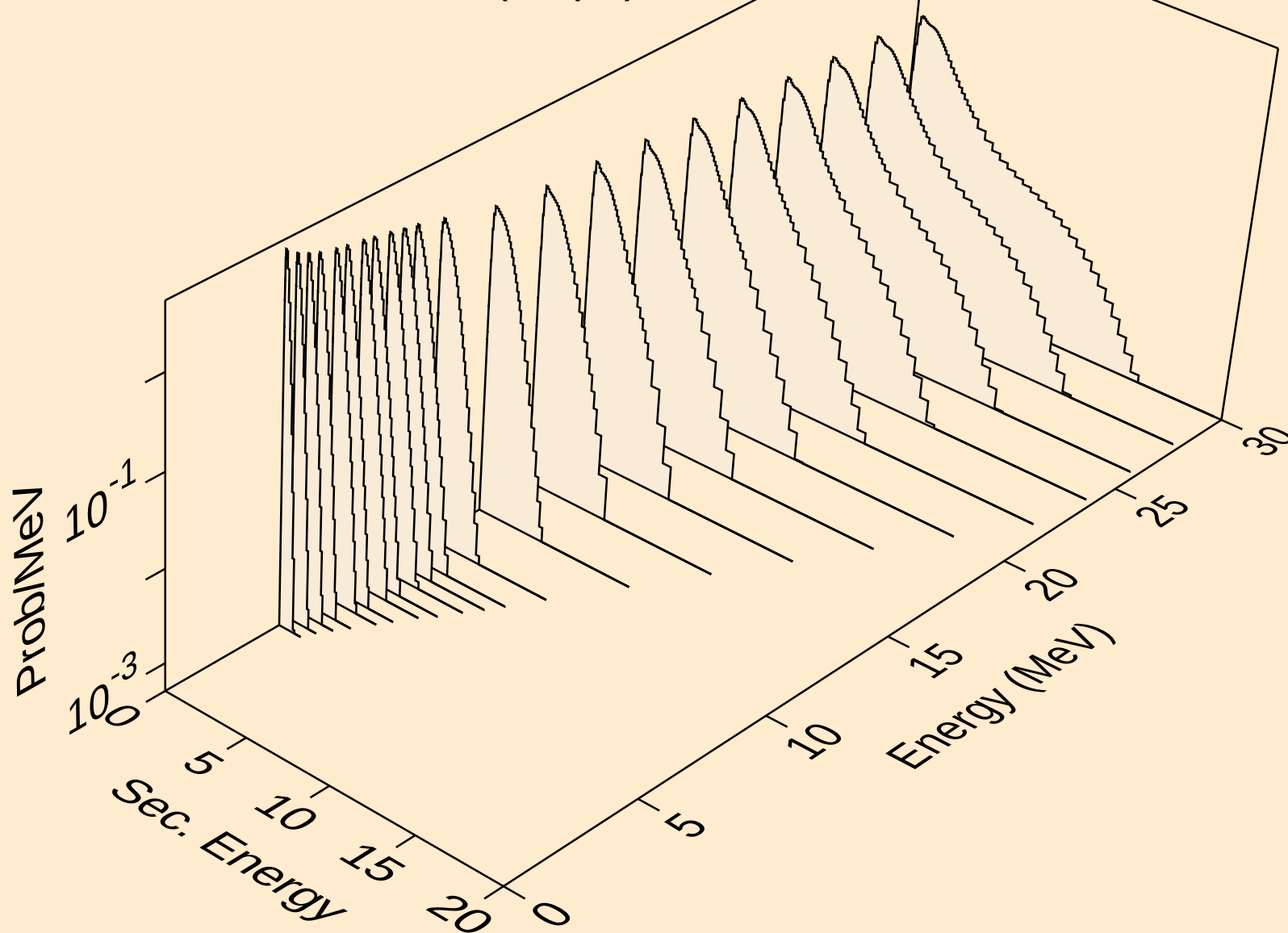
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Neutron emission for (n,3np)



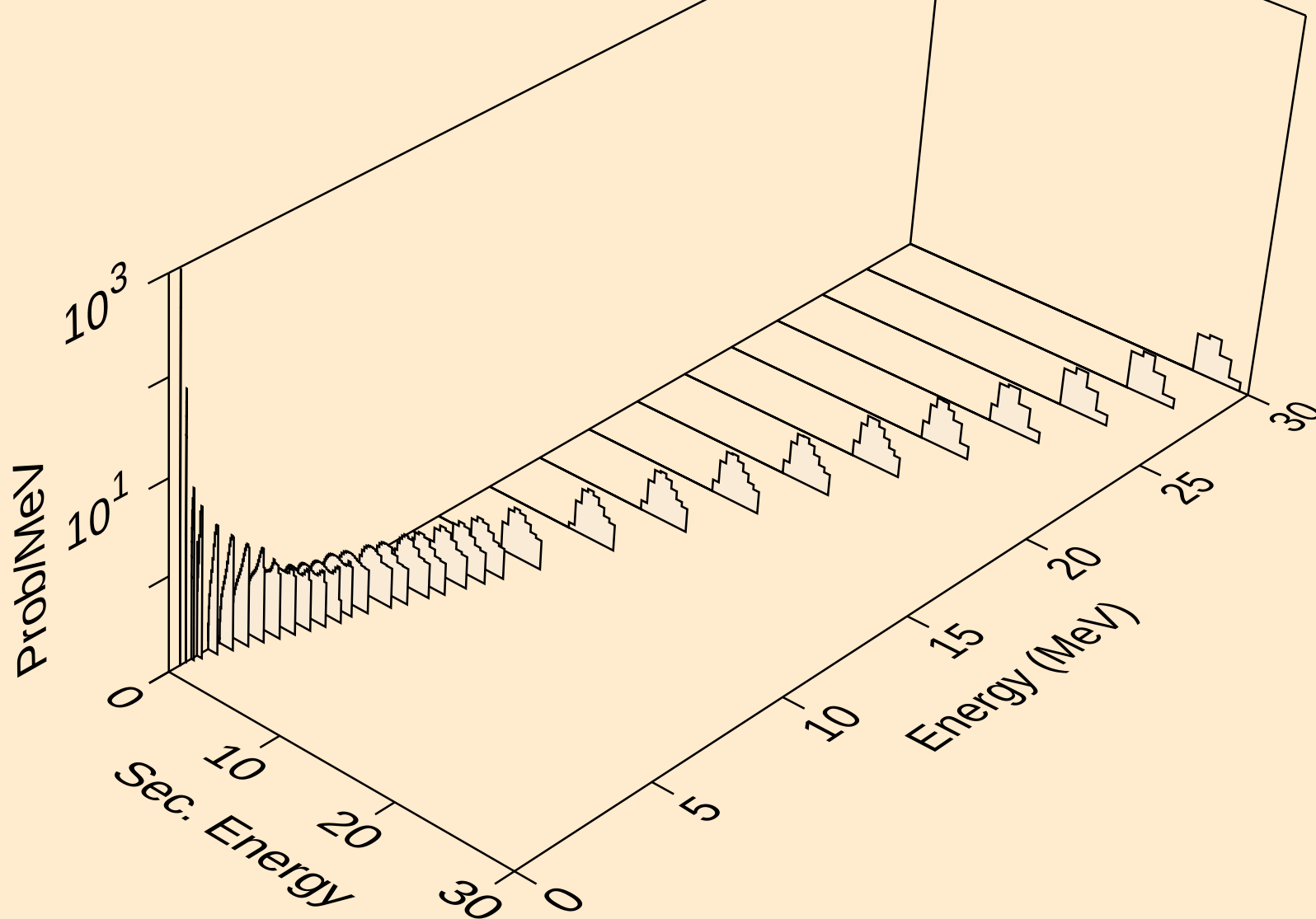
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Neutron emission for (n,n2p)



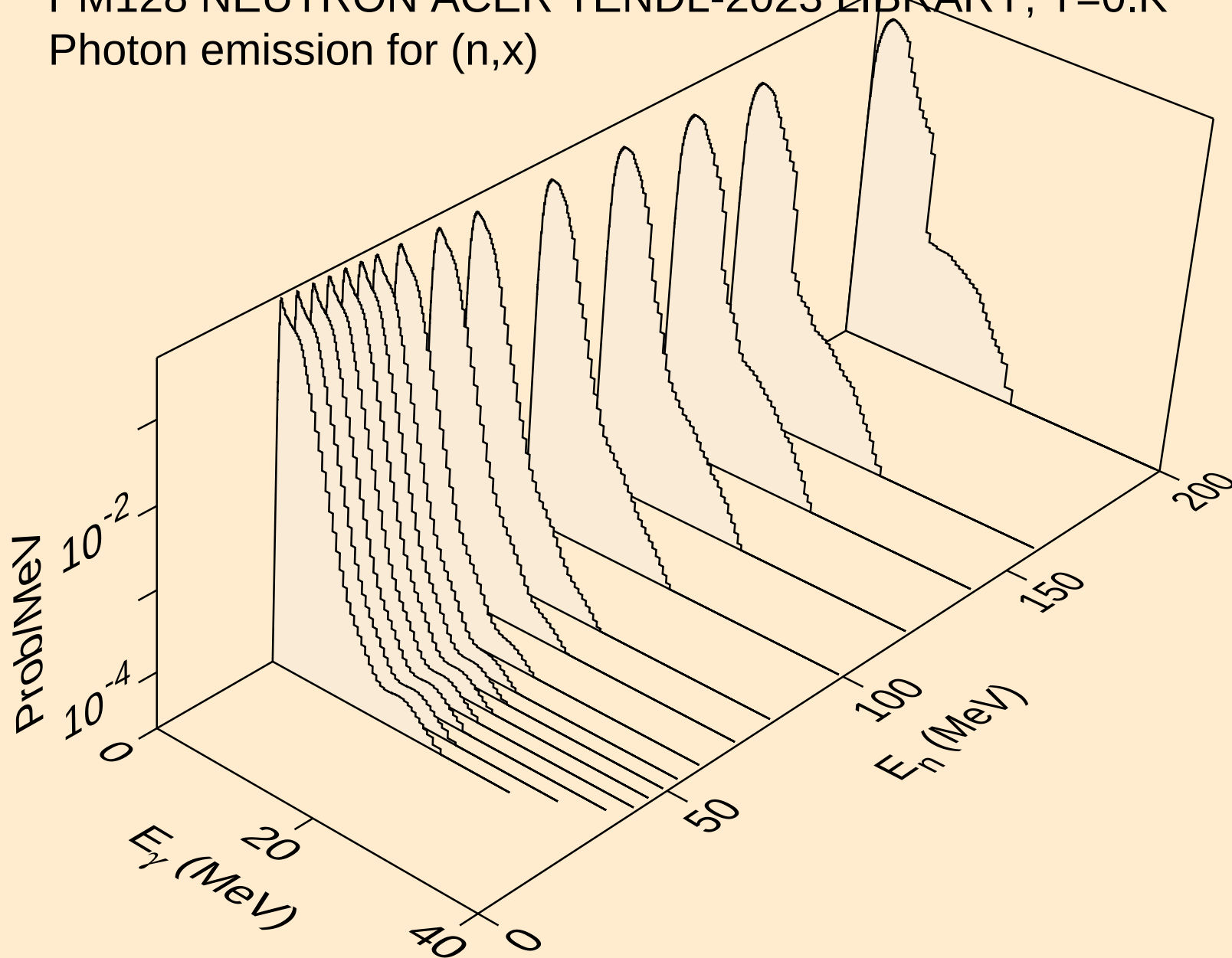
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Neutron emission for (n,npa)



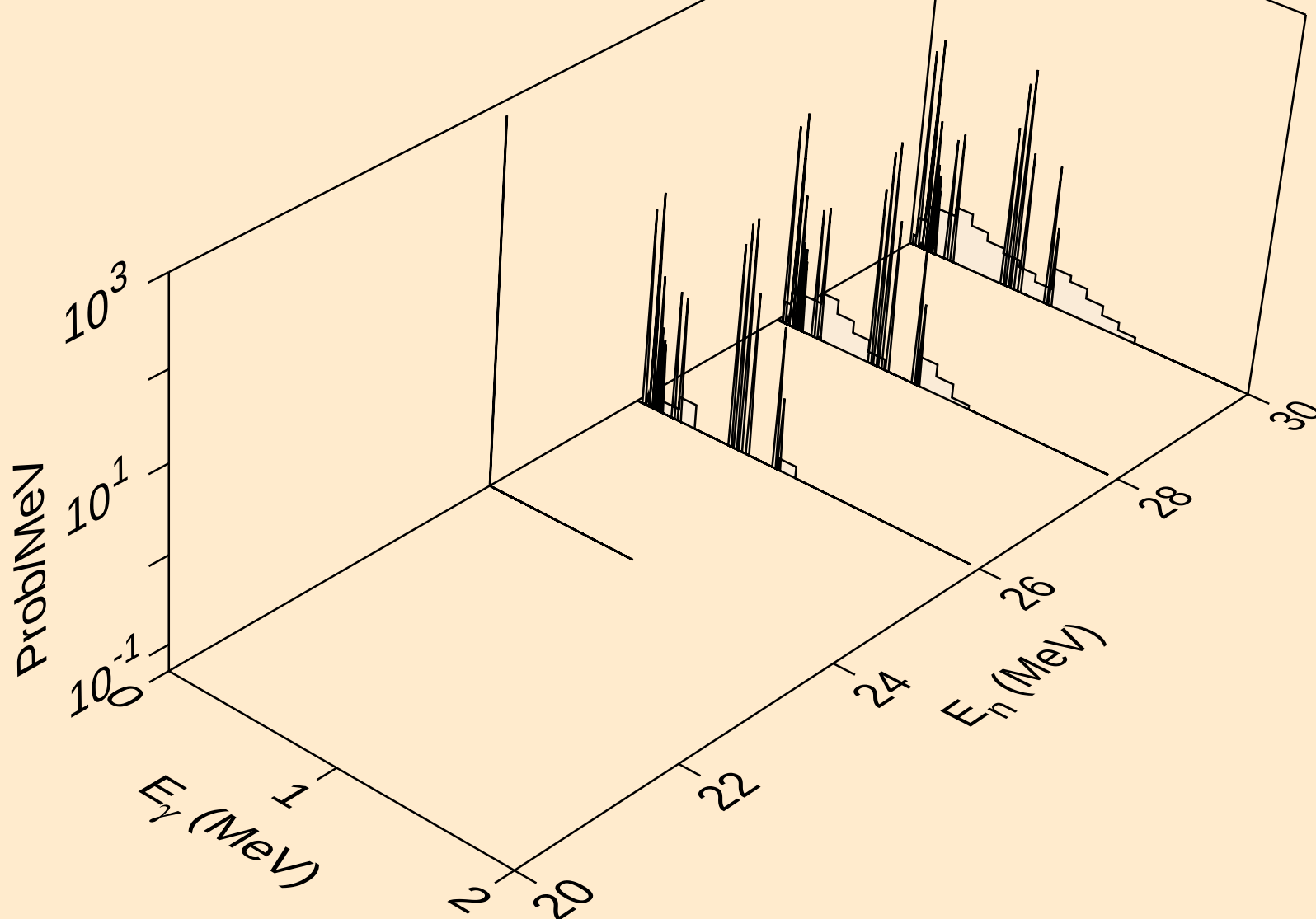
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Neutron emission for (n,n\*c)



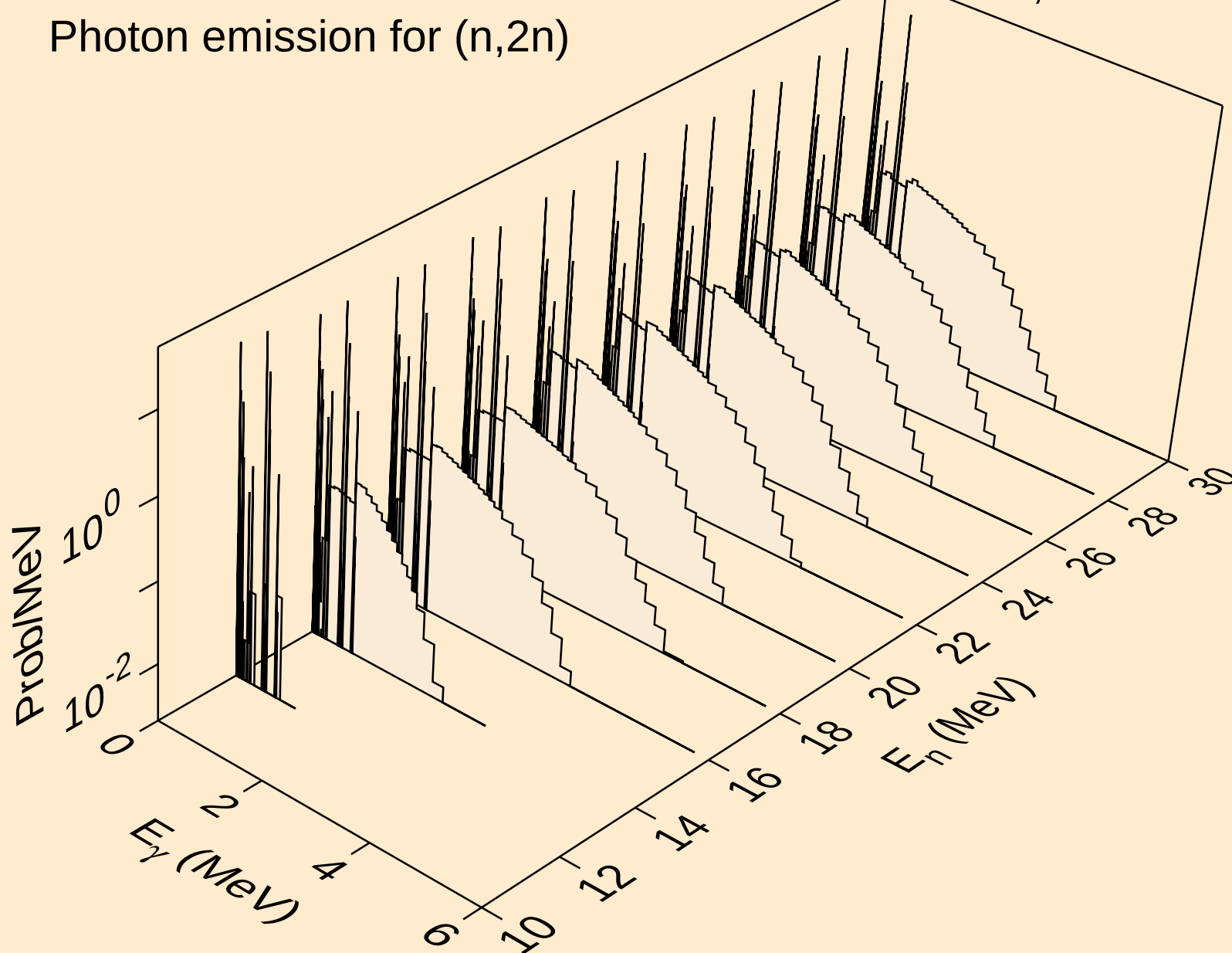
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



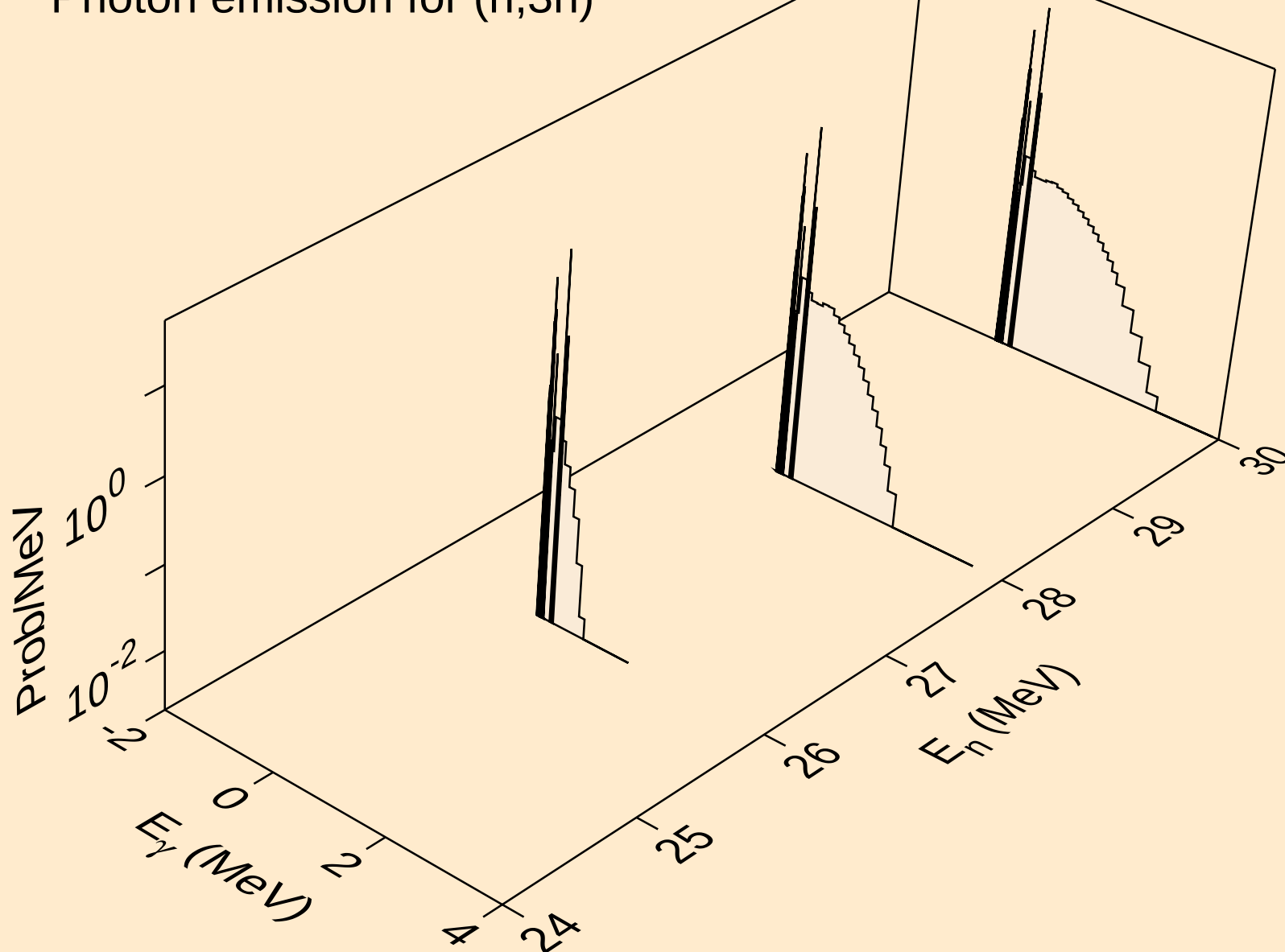
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Photon emission for (n,2nd)



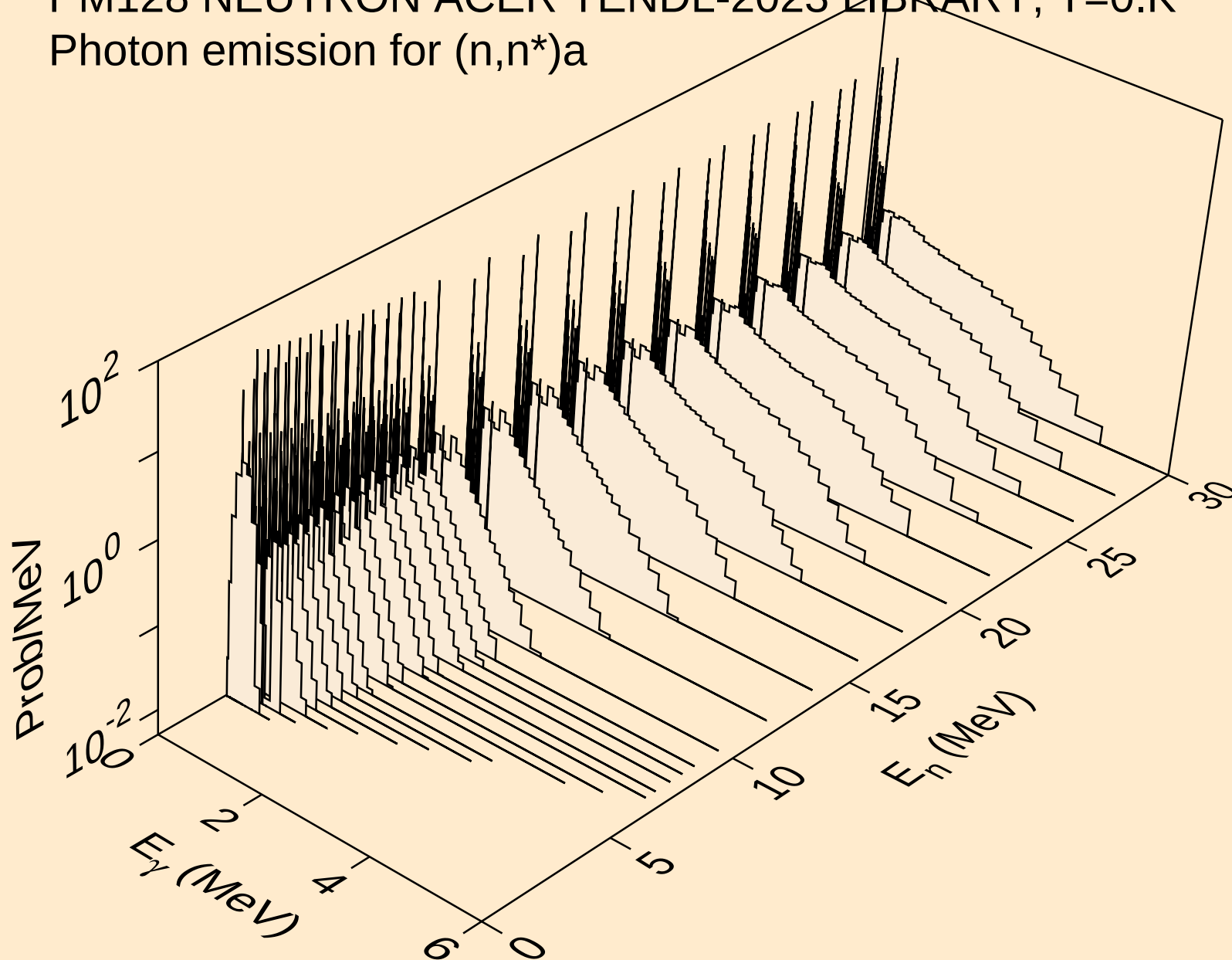
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Photon emission for (n,2n)



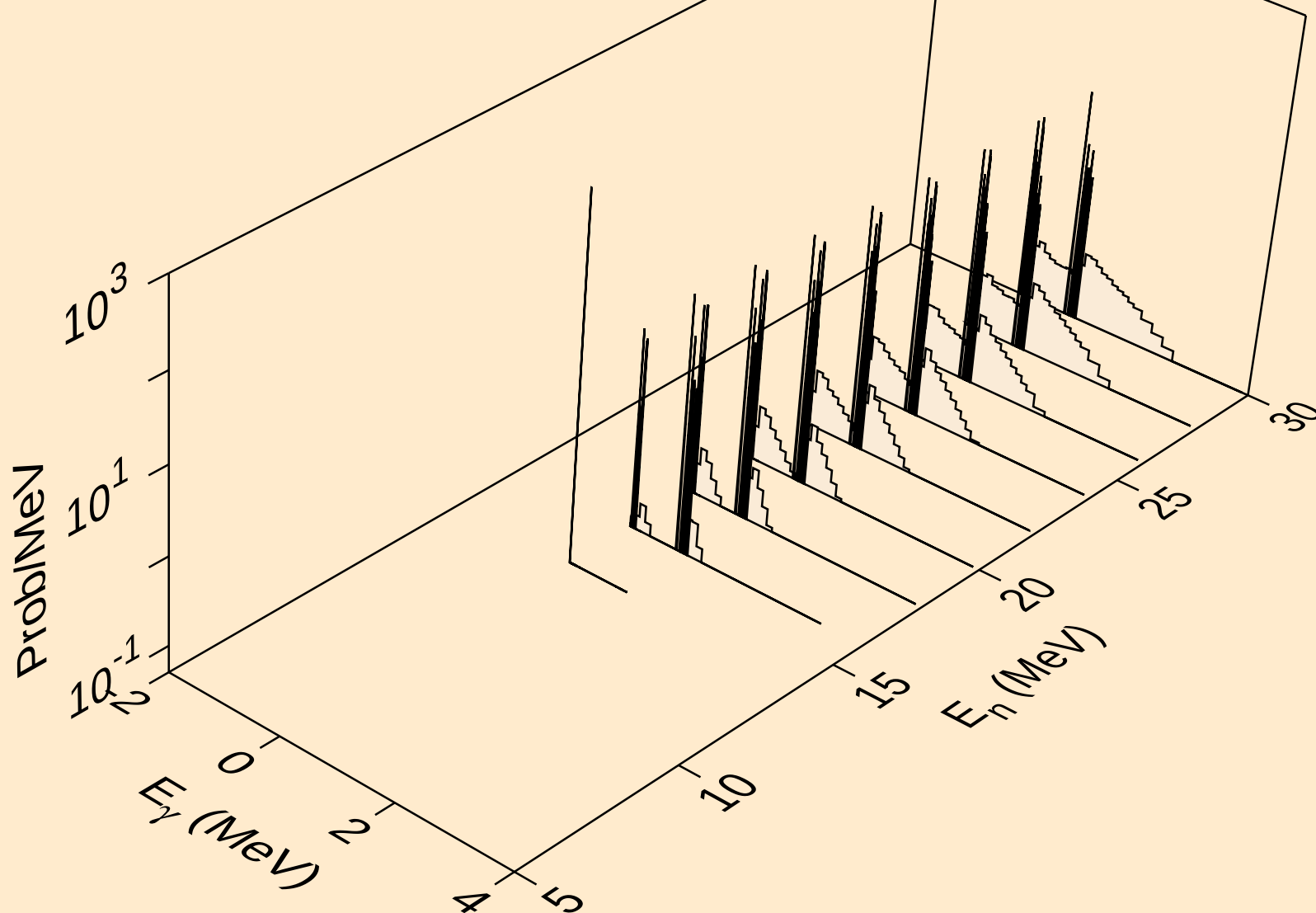
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



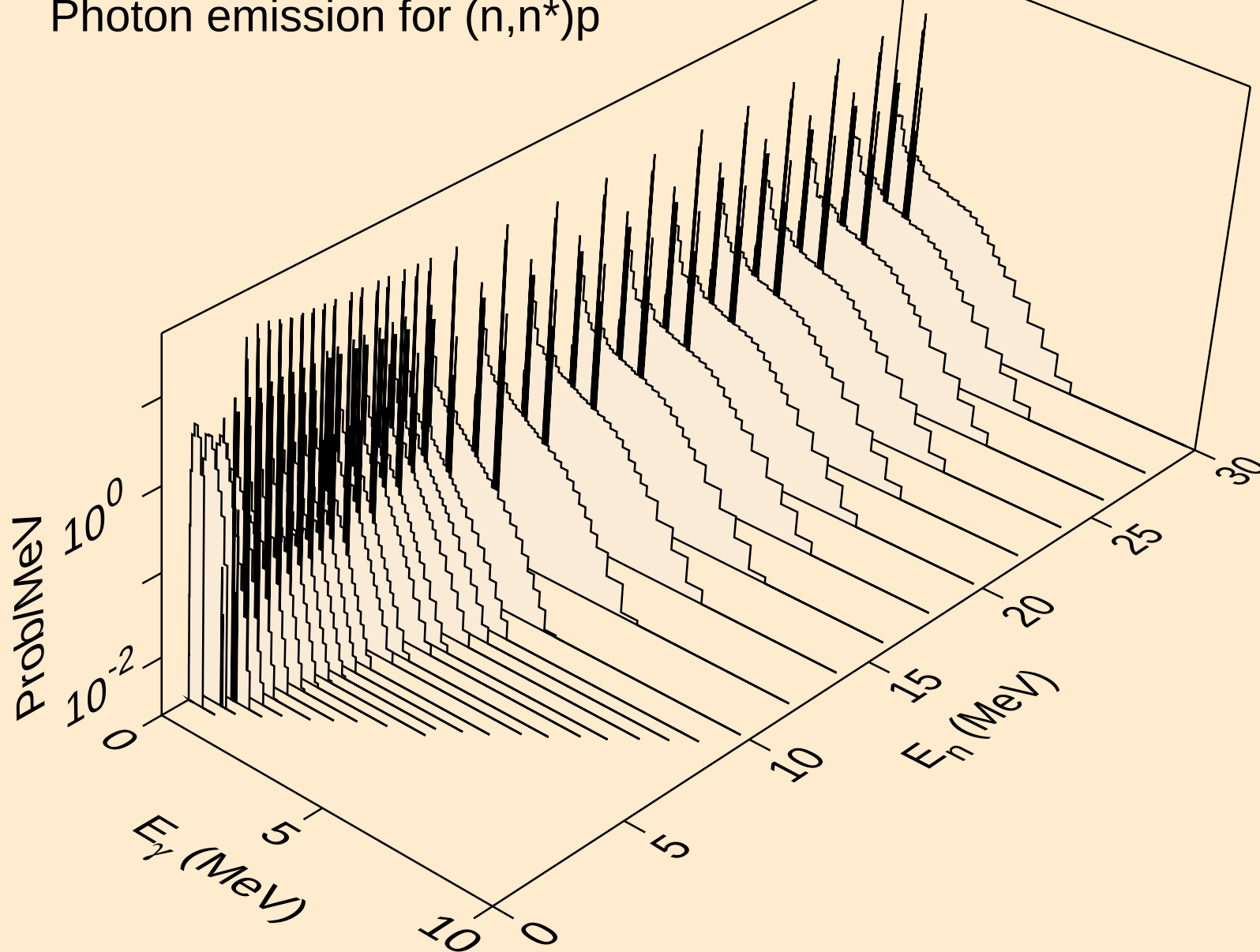
PM128 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)a$



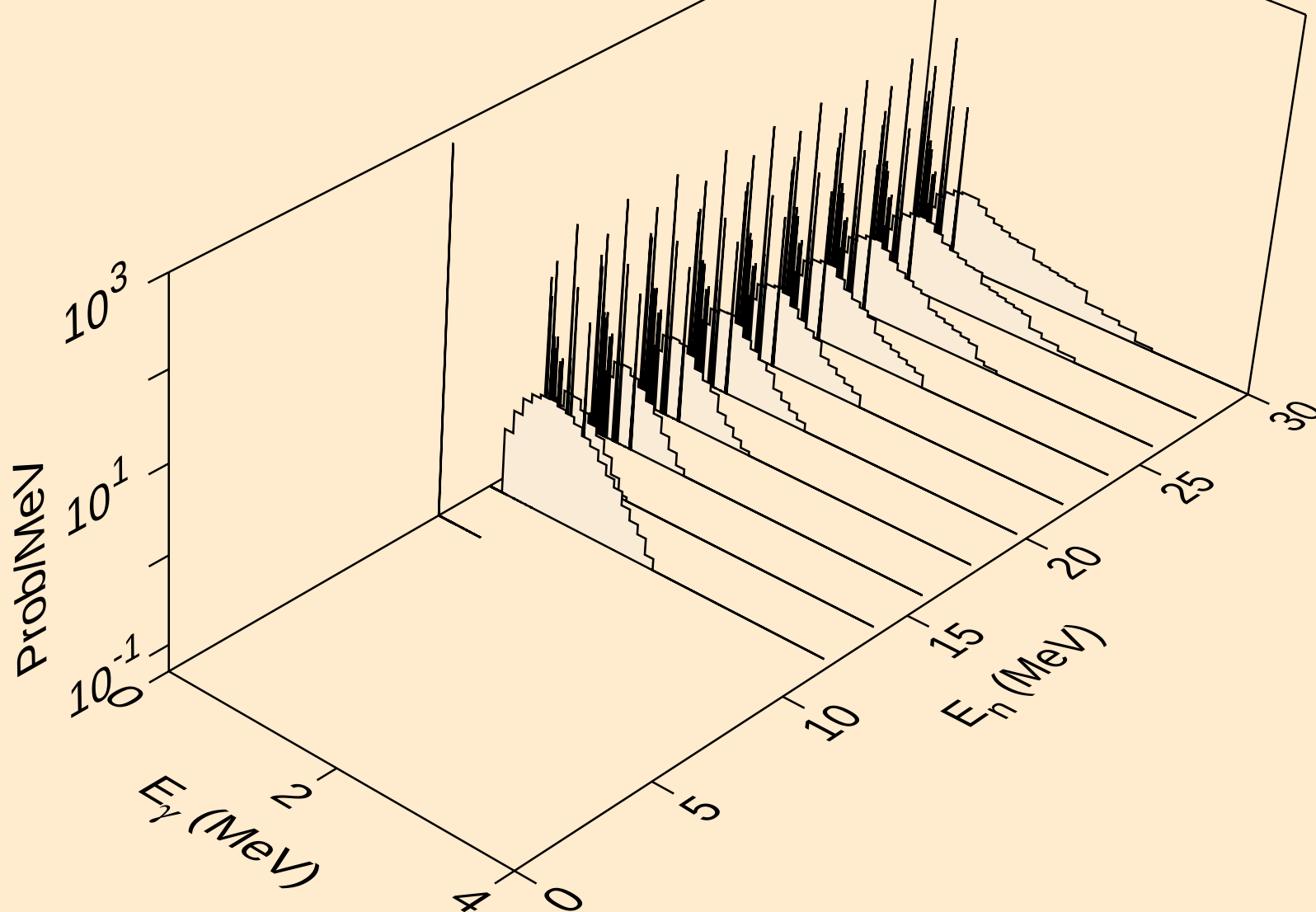
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Photon emission for (n,2n) $\alpha$



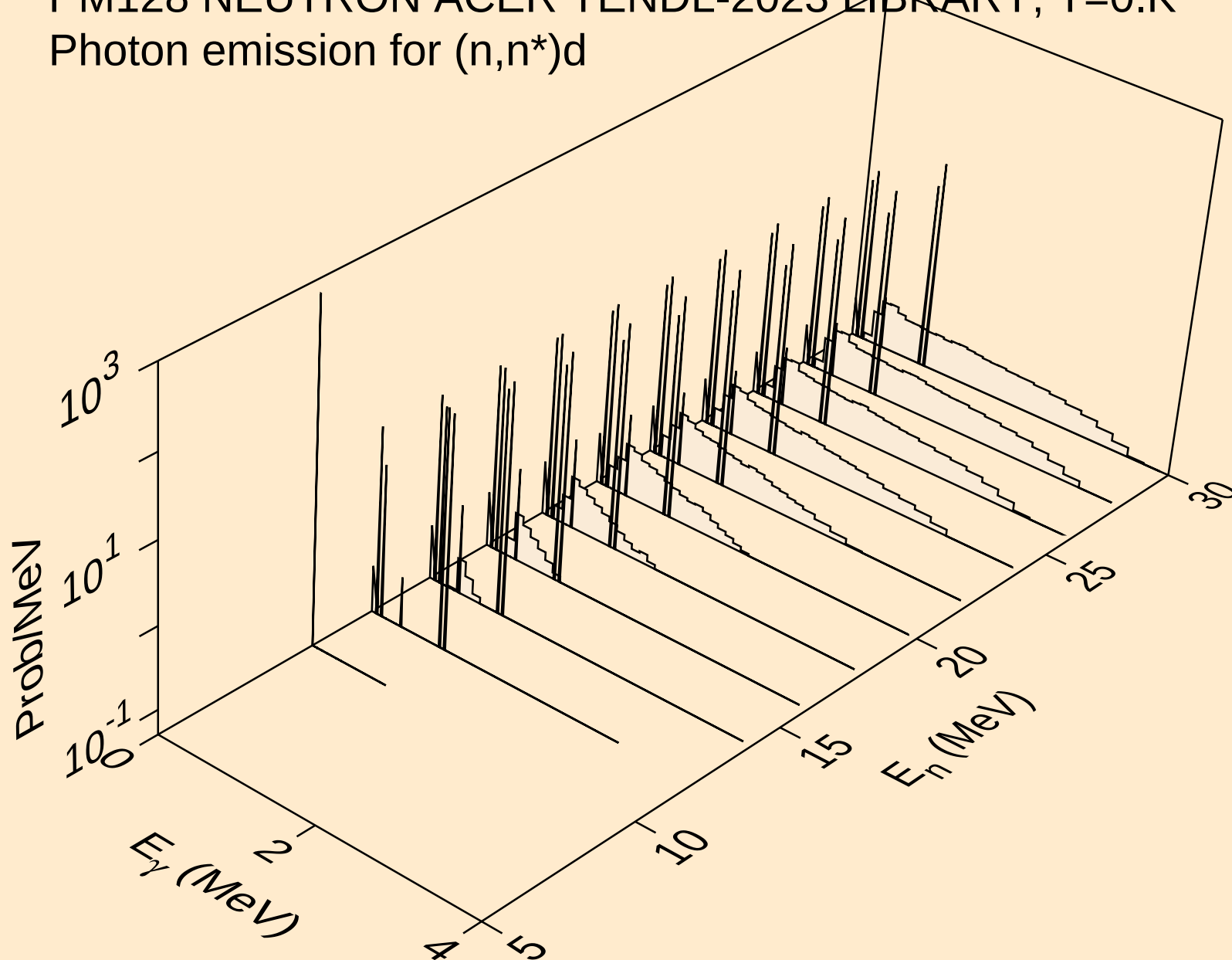
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



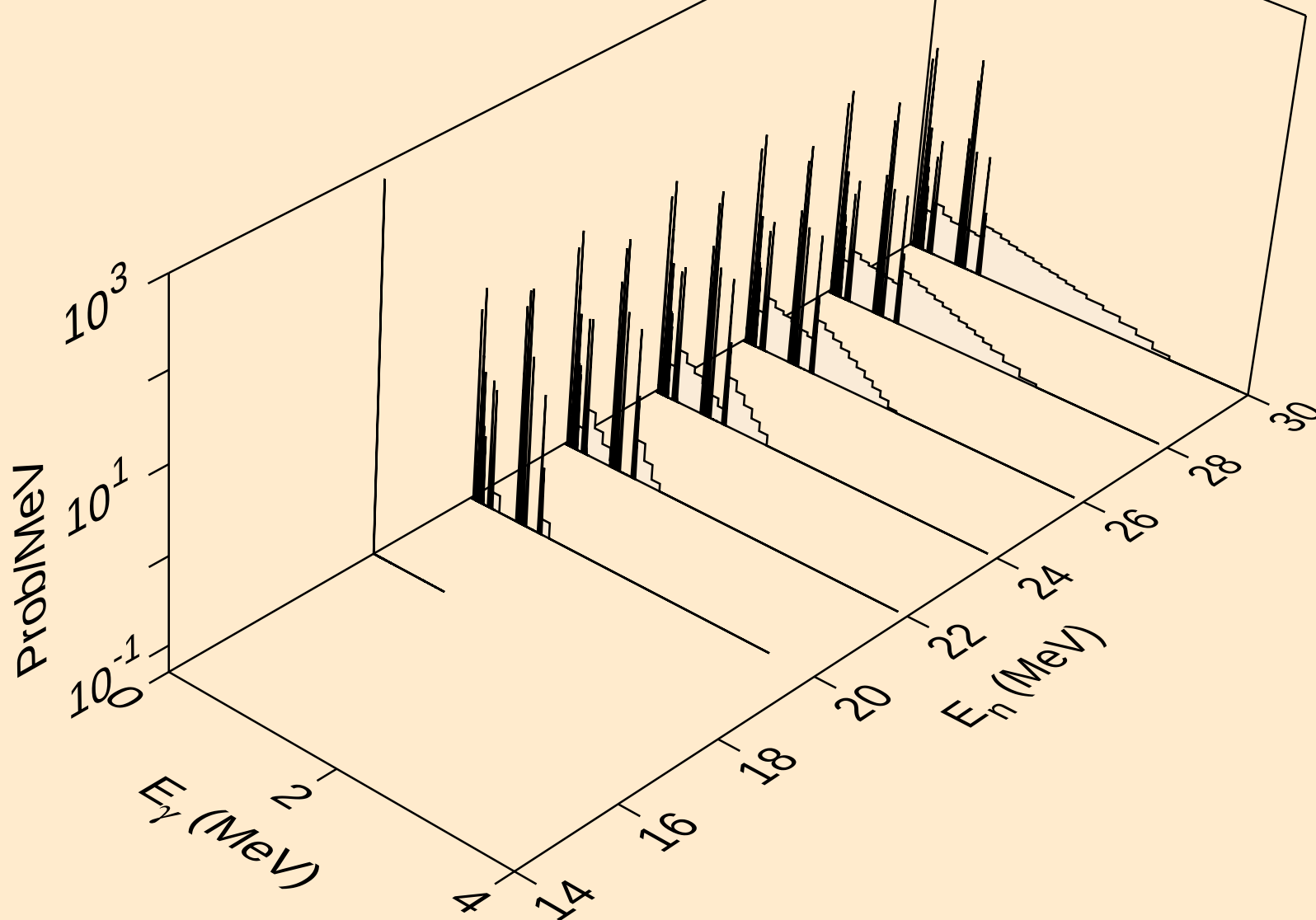
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Photon emission for (n,n\*)2a



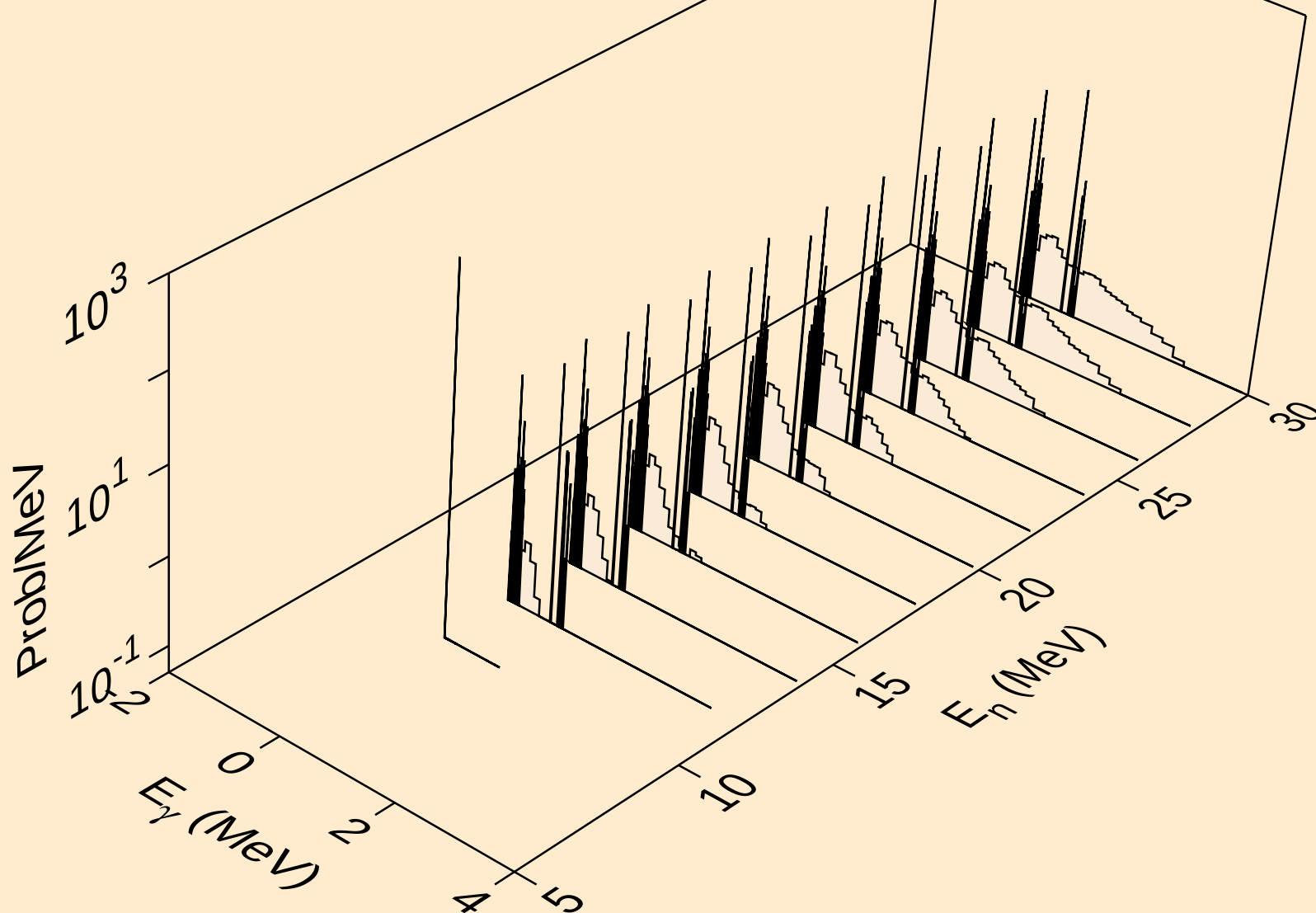
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



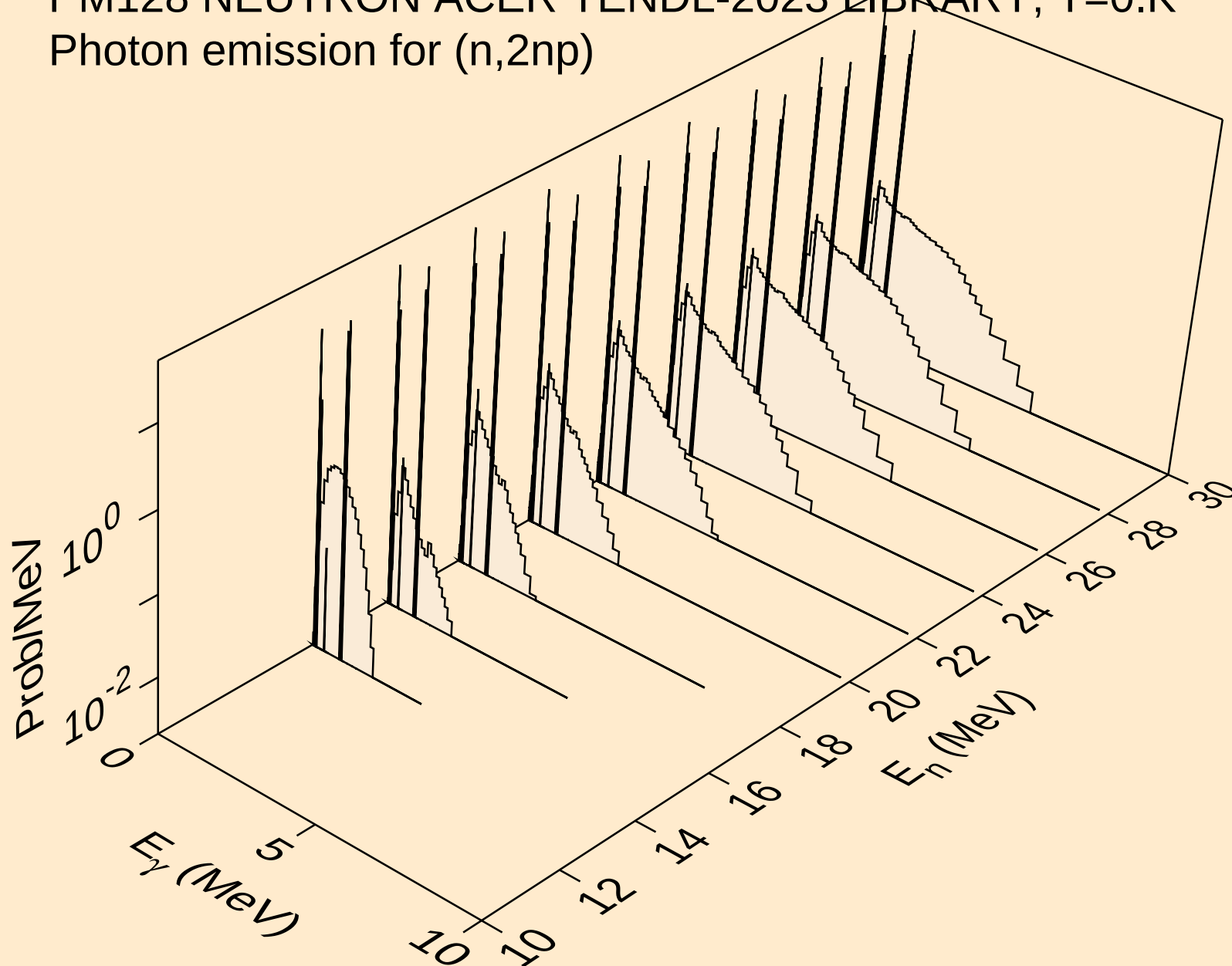
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



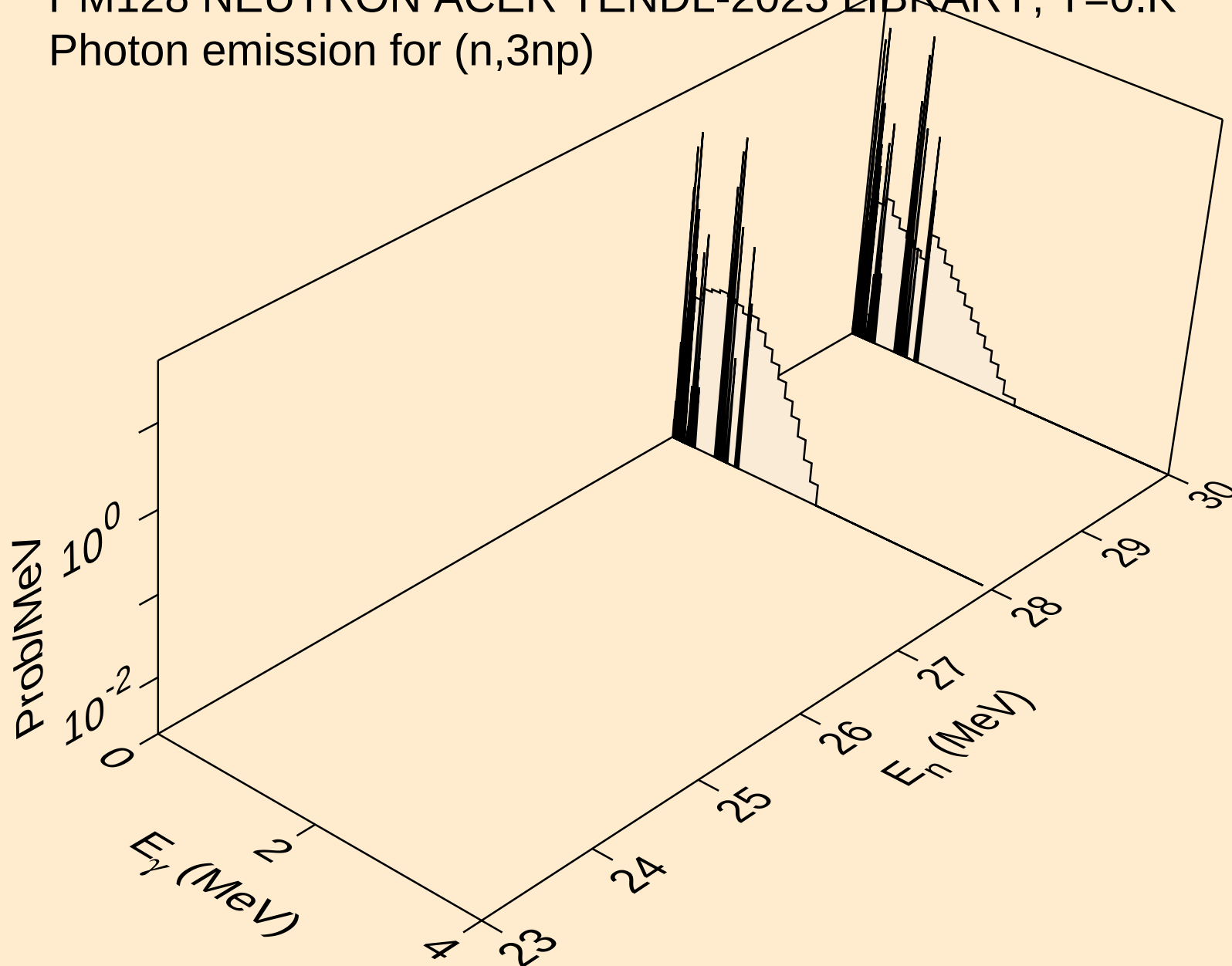
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



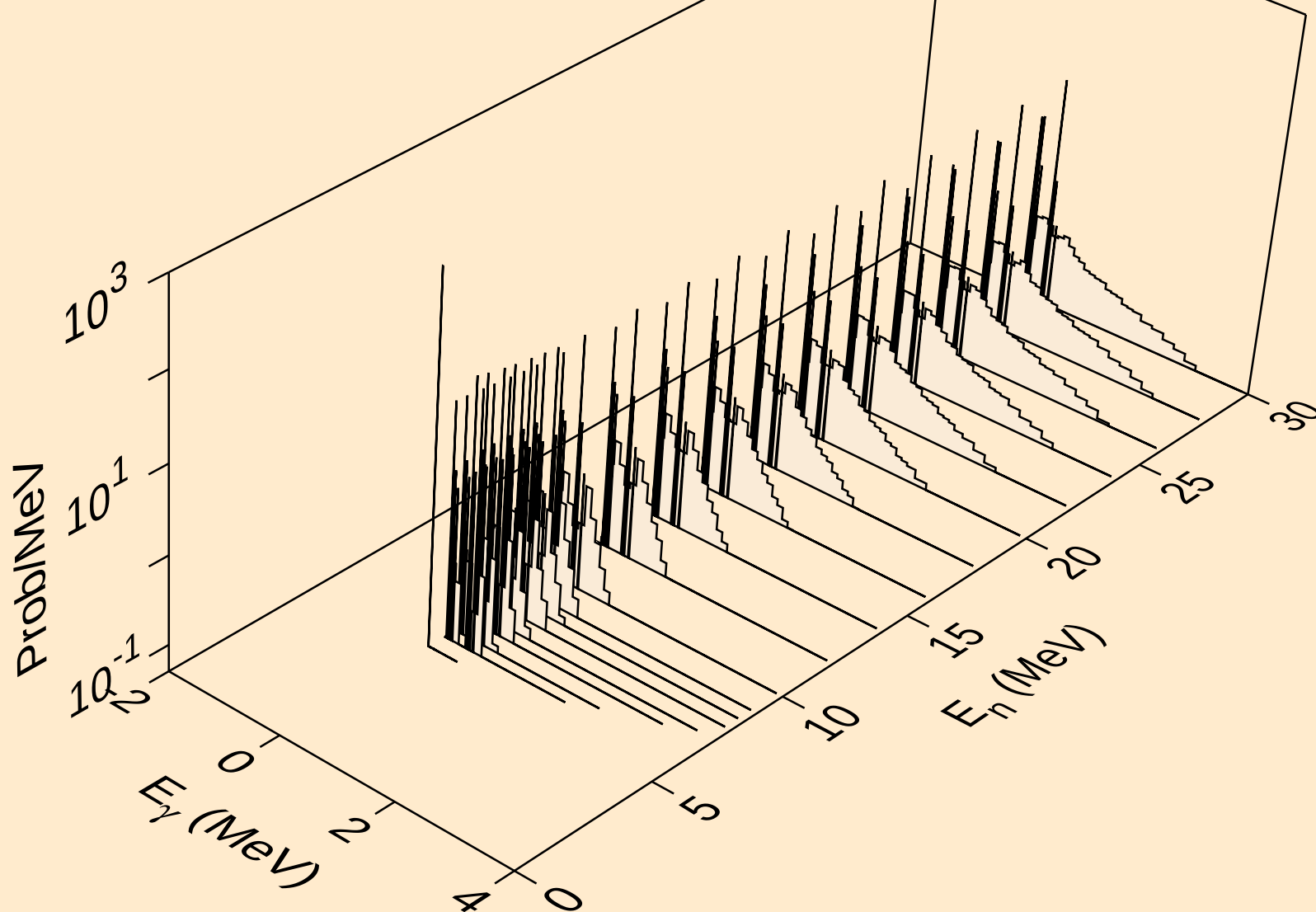
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Photon emission for (n,2np)



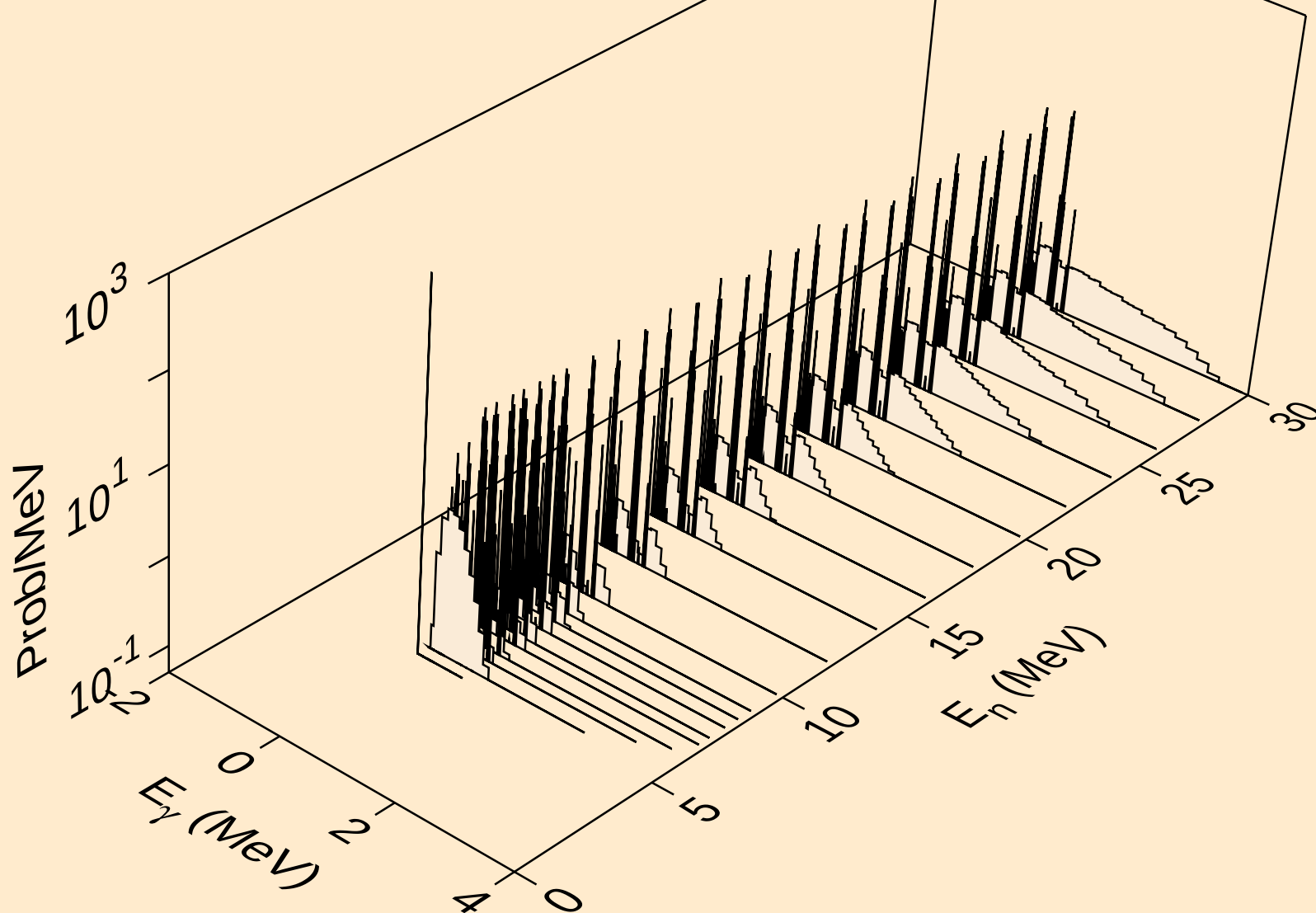
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Photon emission for (n,3np)



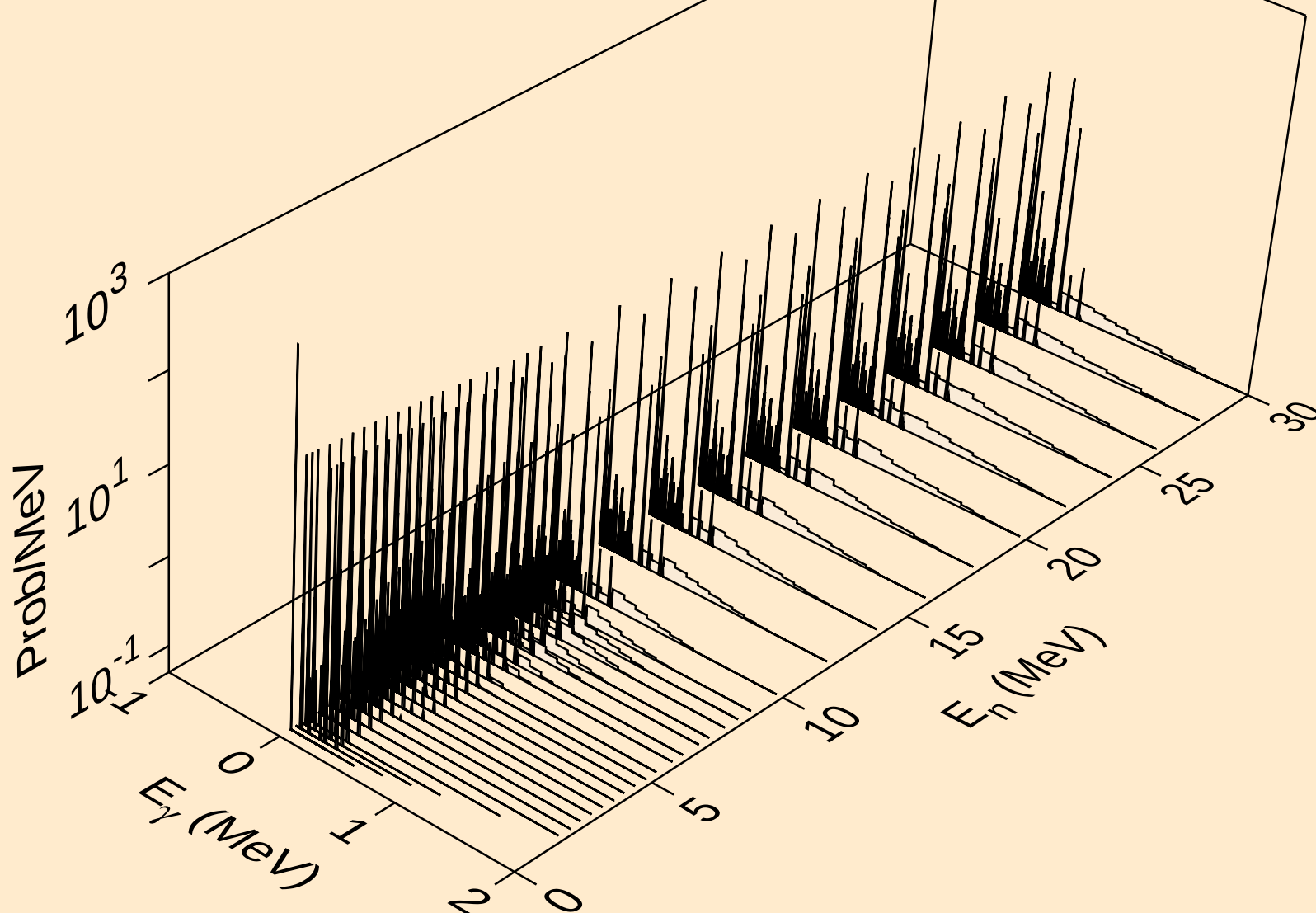
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Photon emission for (n,n2p)



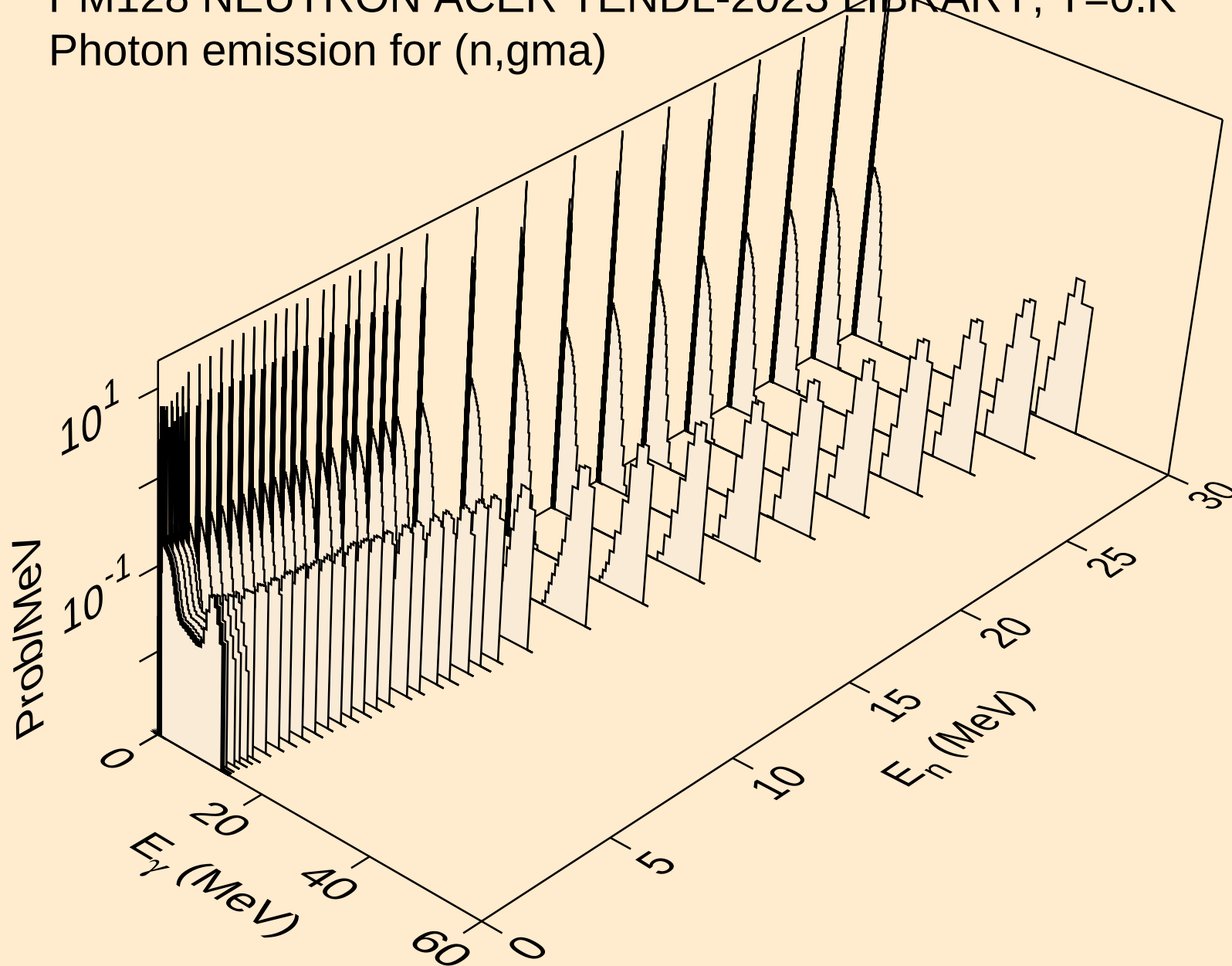
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



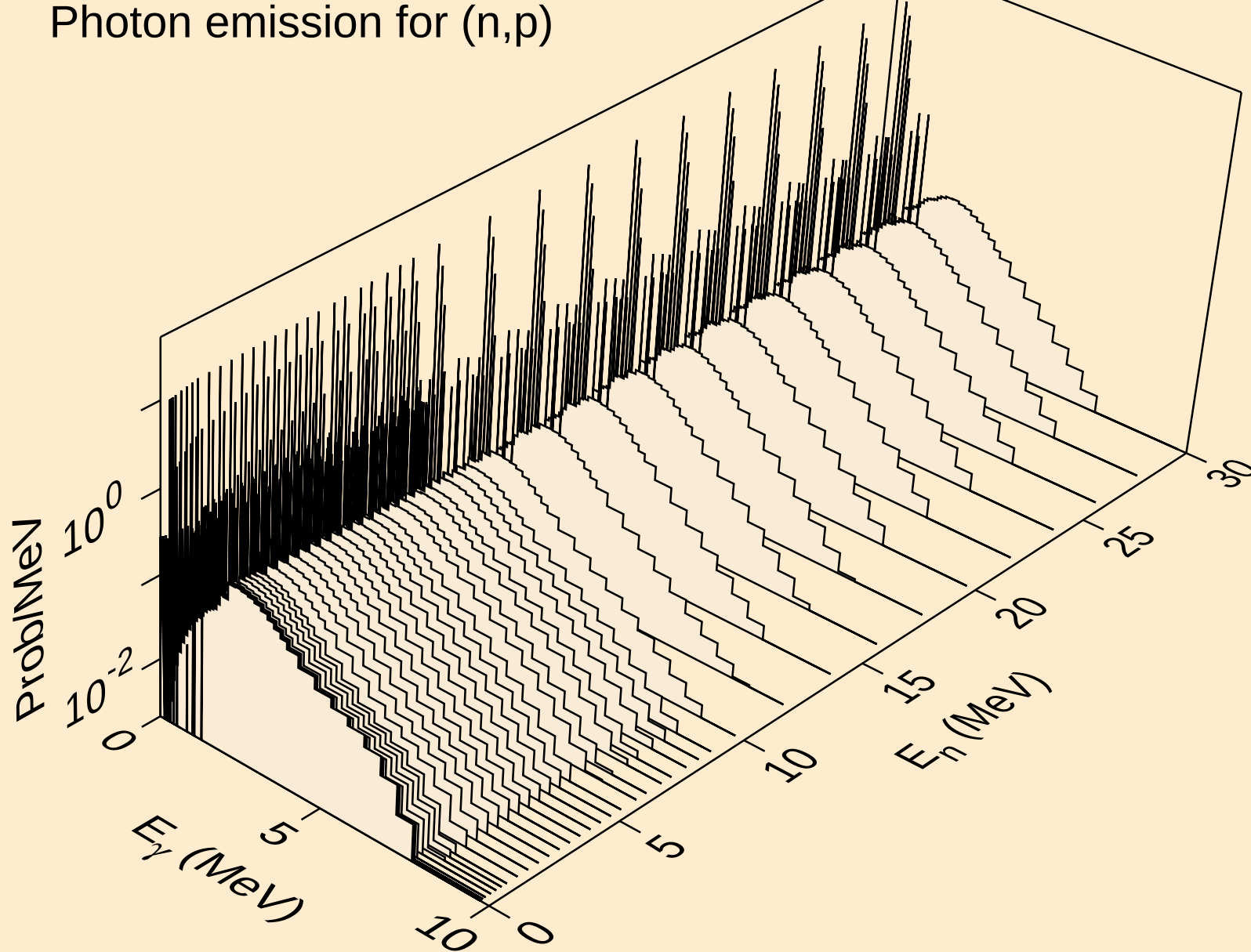
PM128 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n\*c)



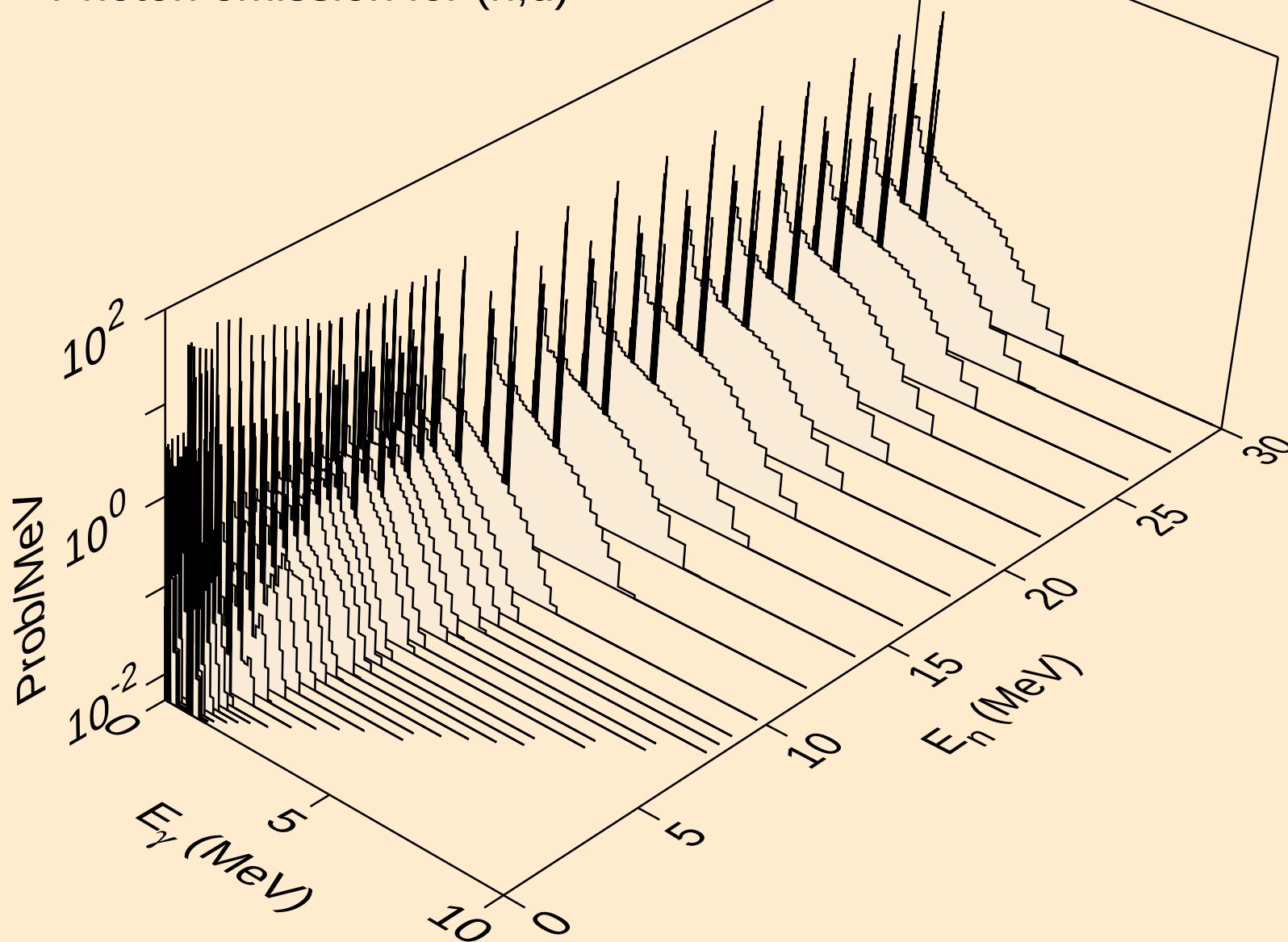
PM128 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,gma)



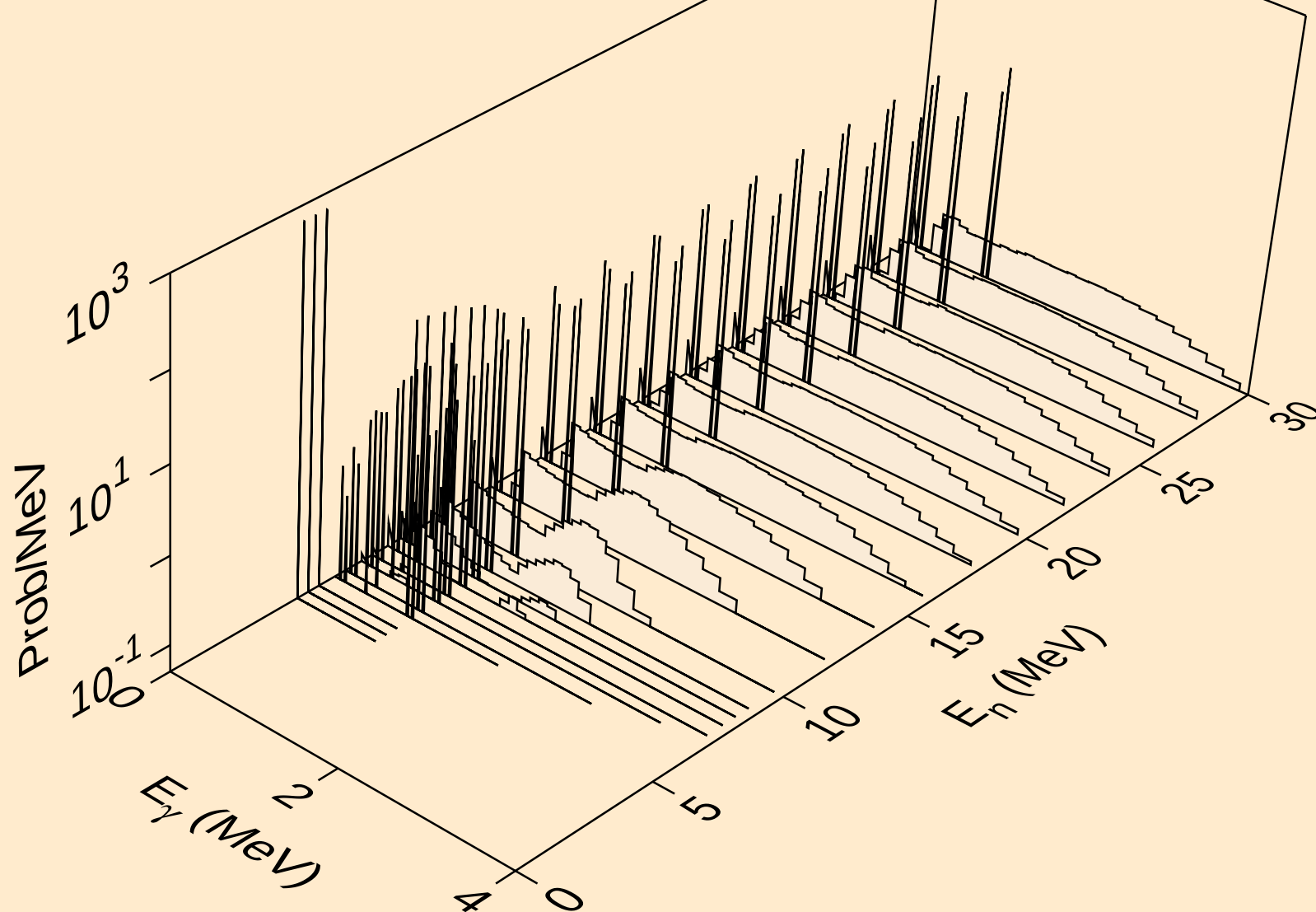
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Photon emission for (n,p)



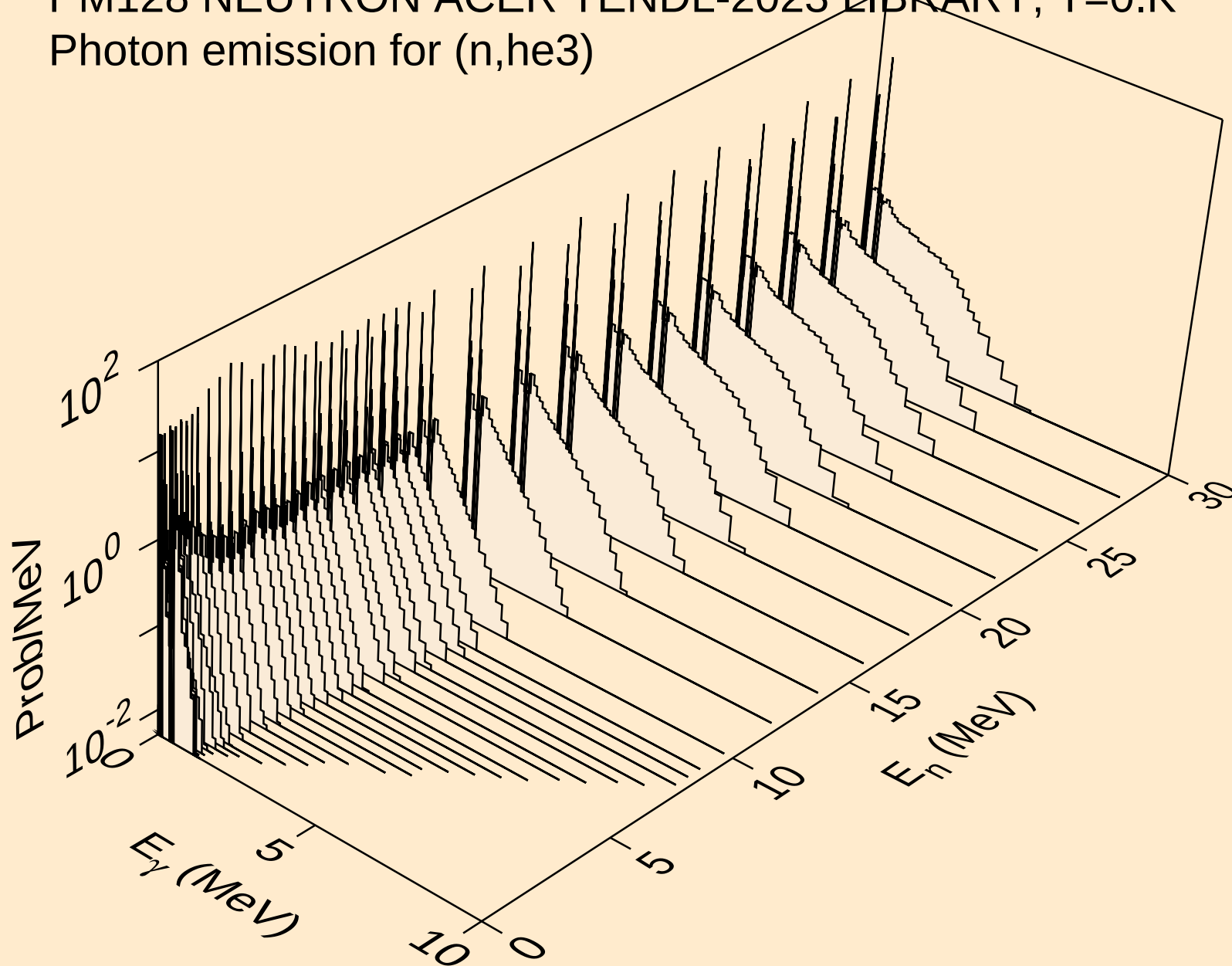
PM128 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)



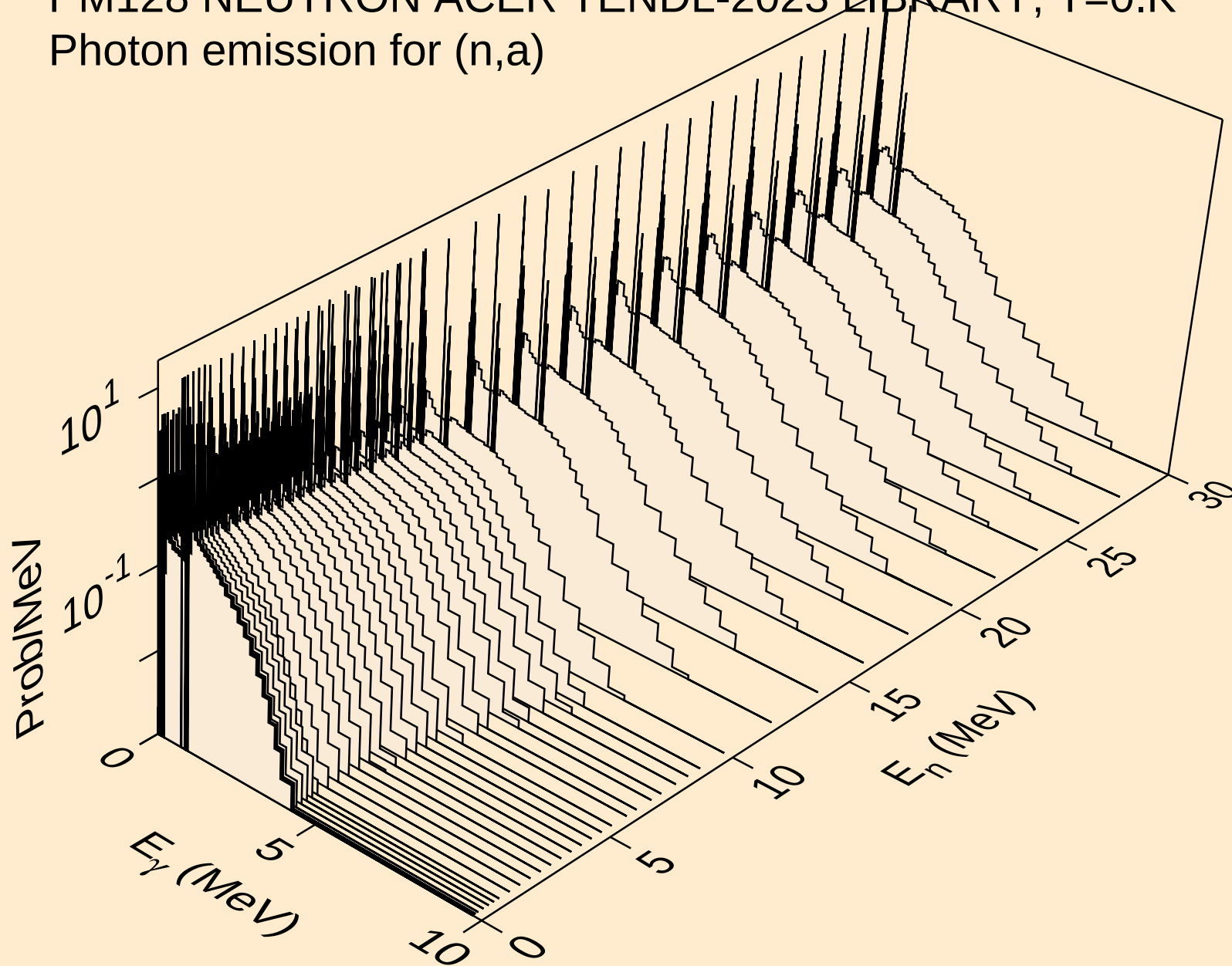
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



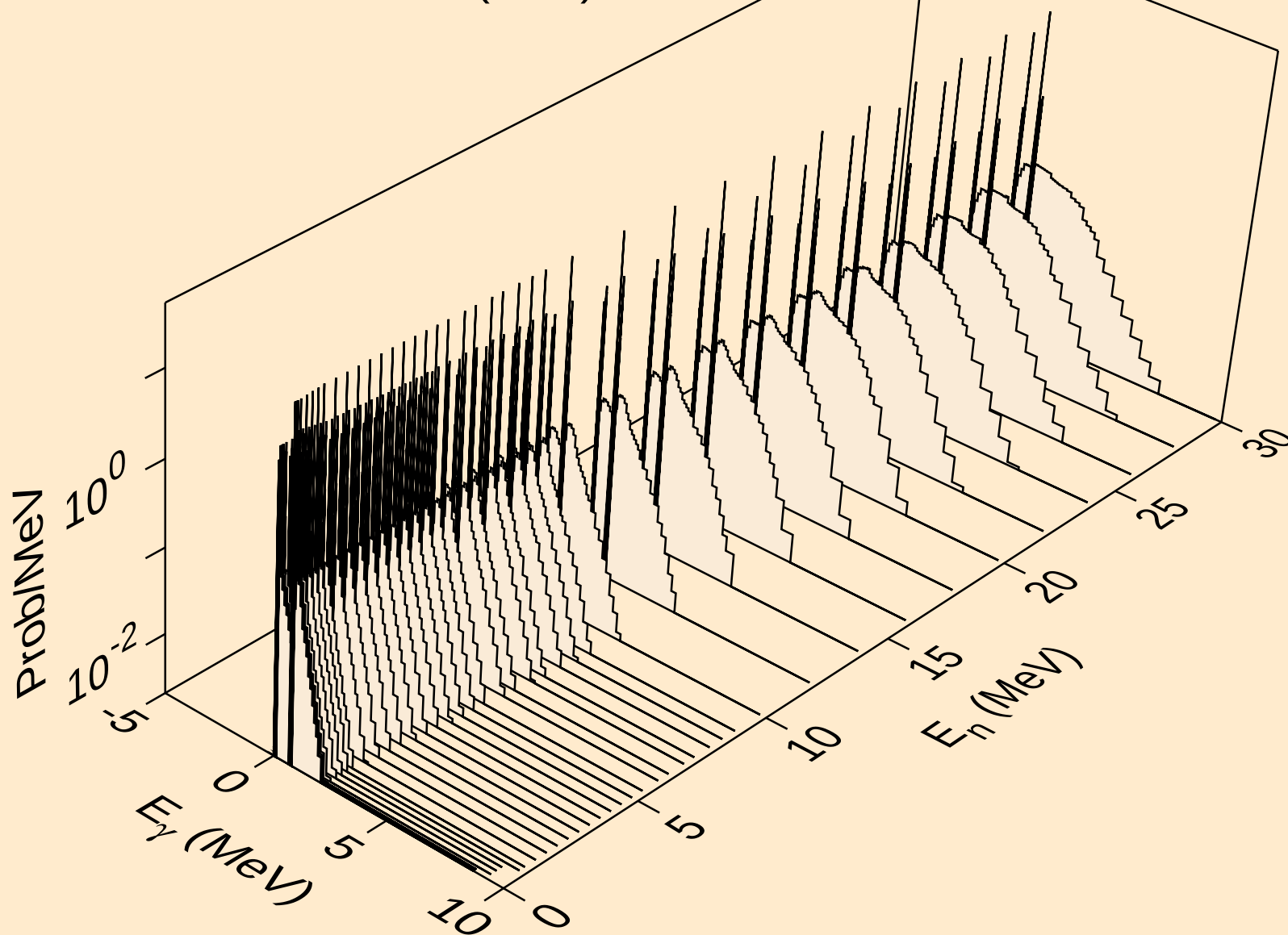
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Photon emission for (n,he3)



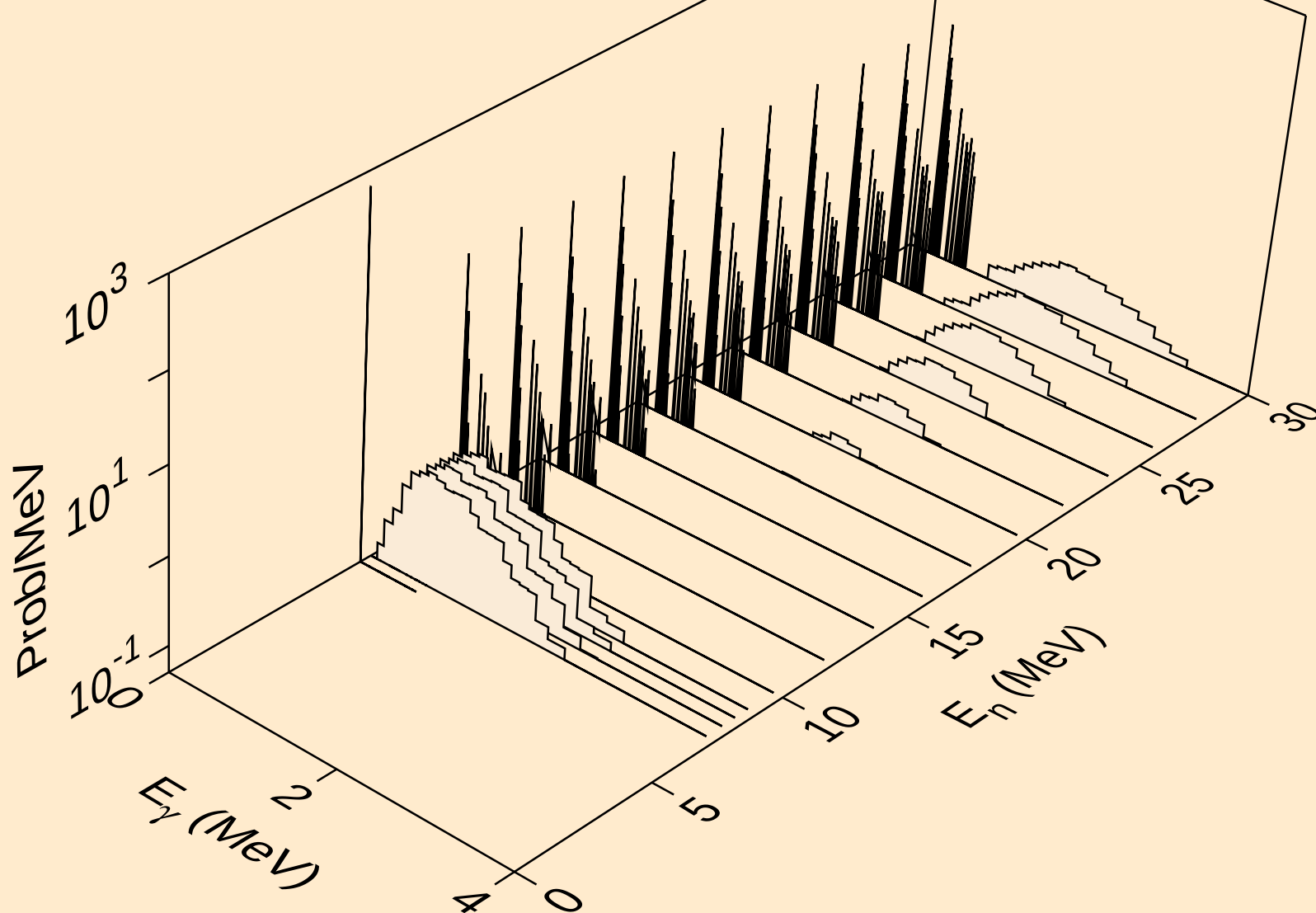
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Photon emission for (n,a)



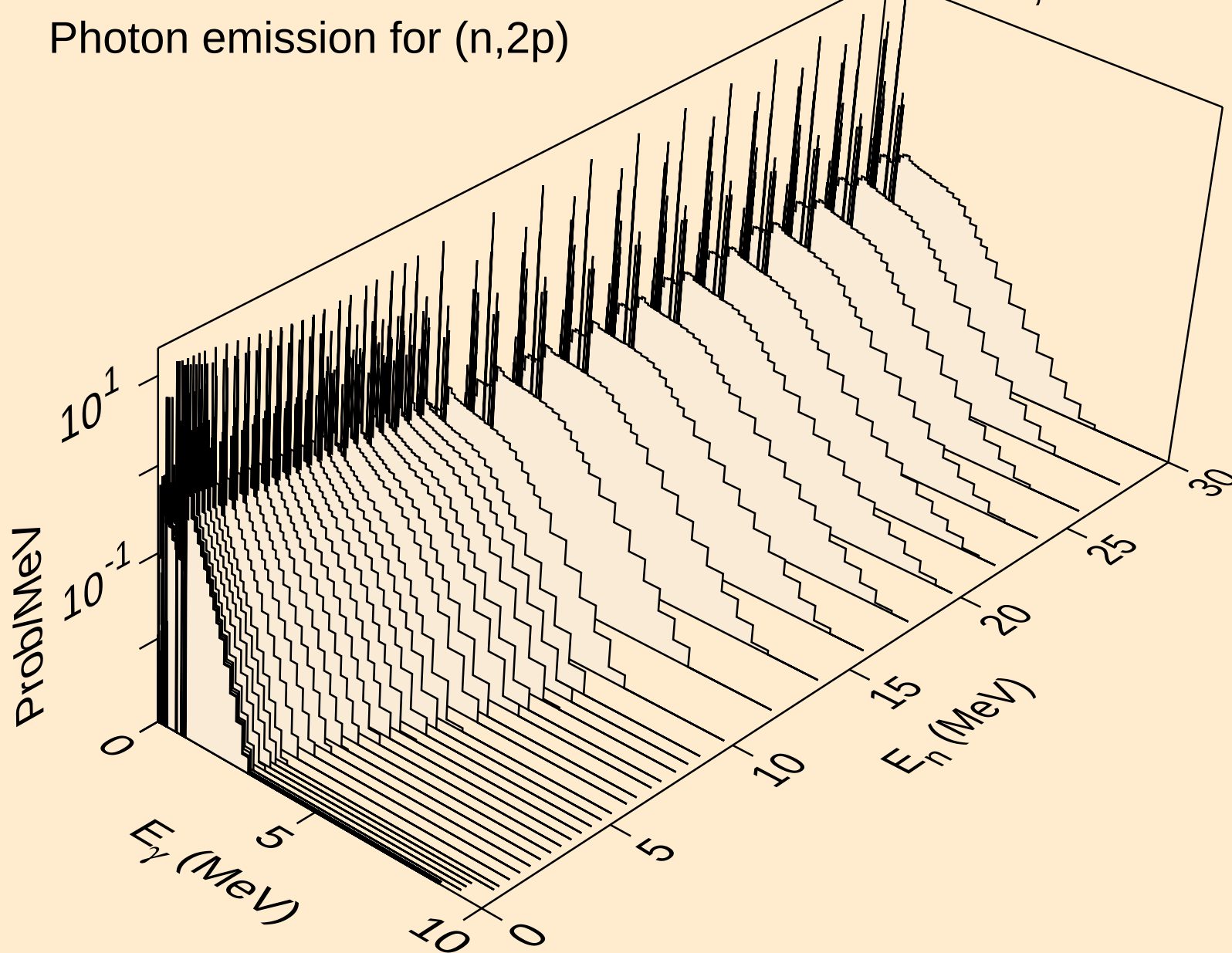
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



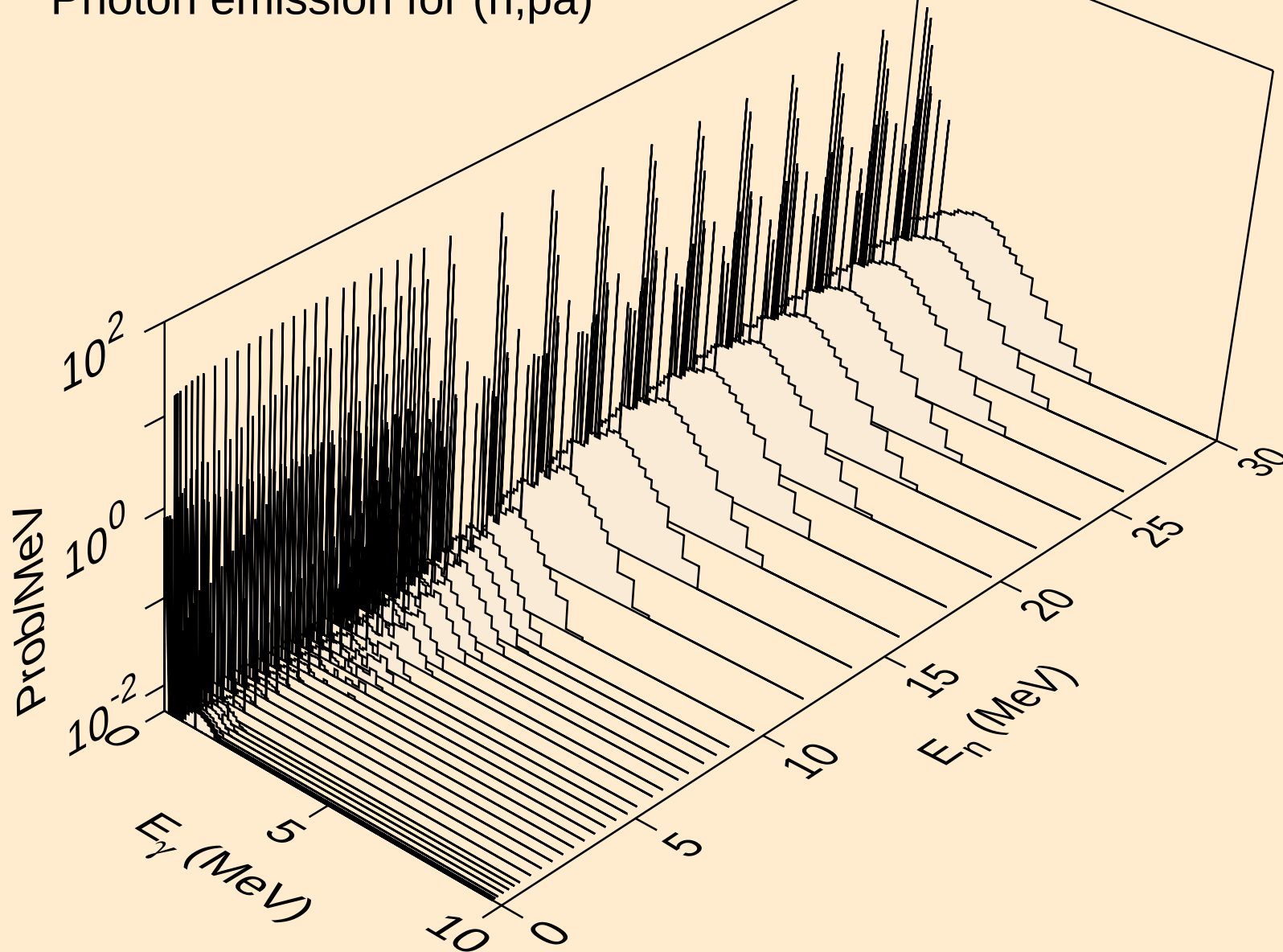
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



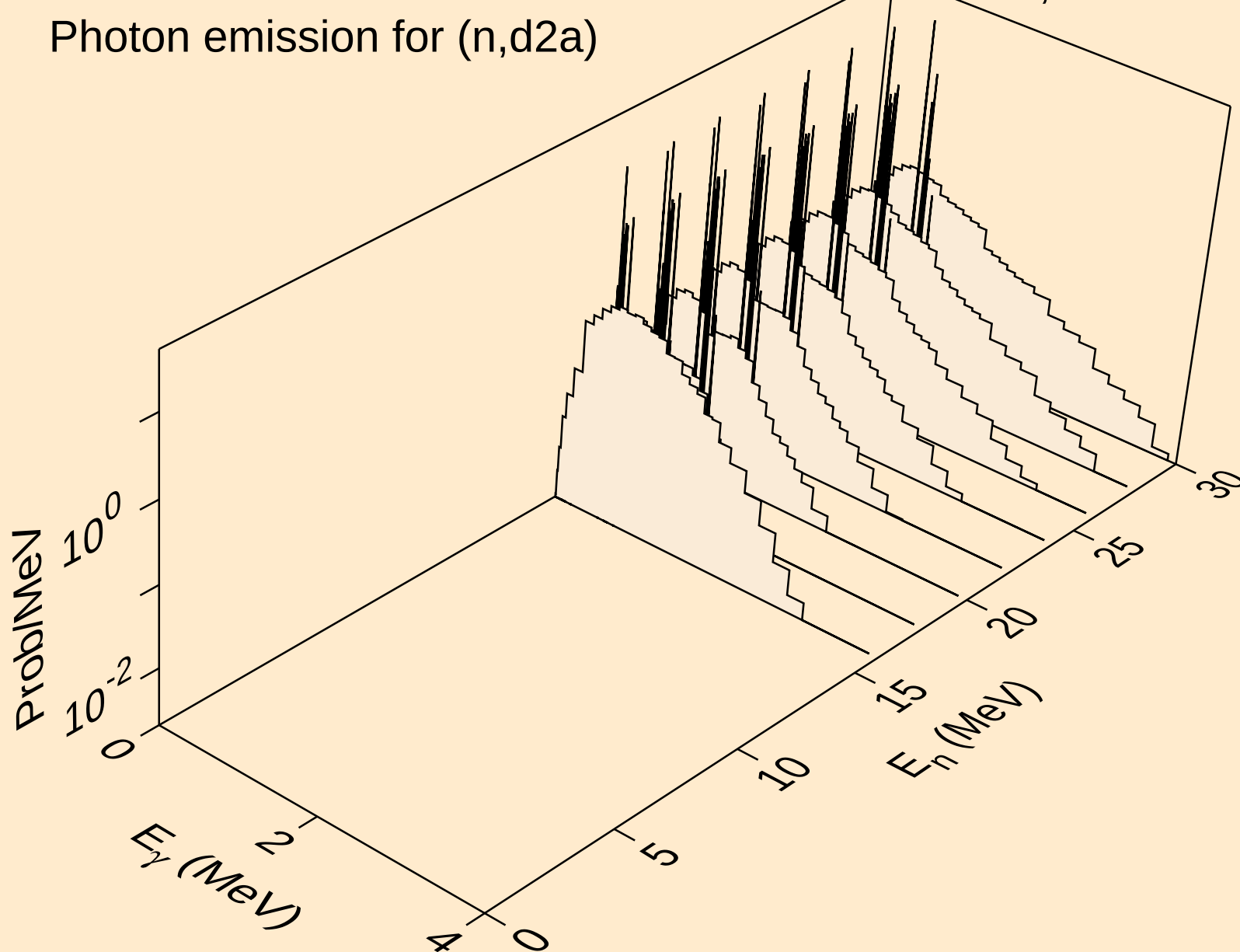
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Photon emission for (n,2p)



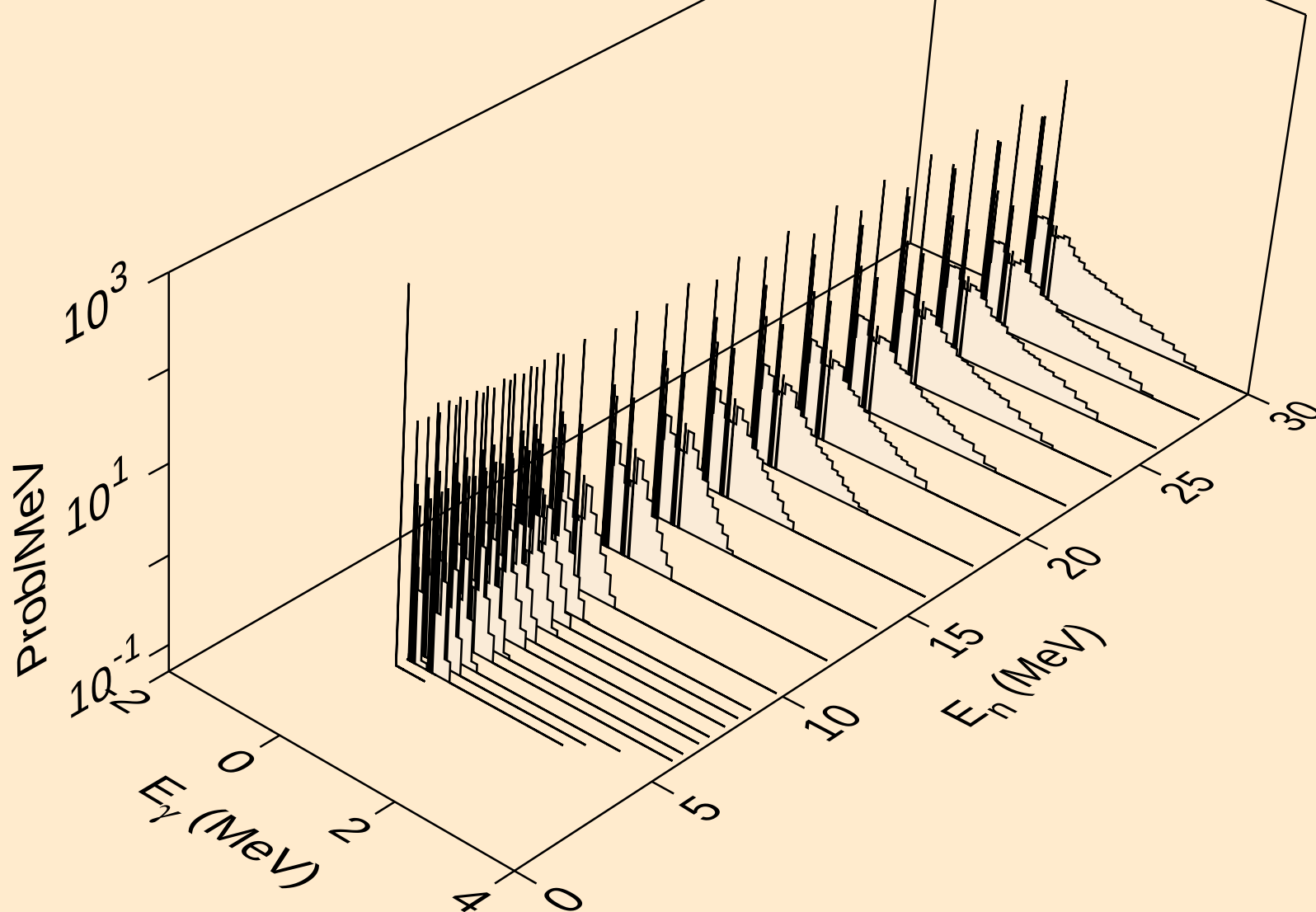
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



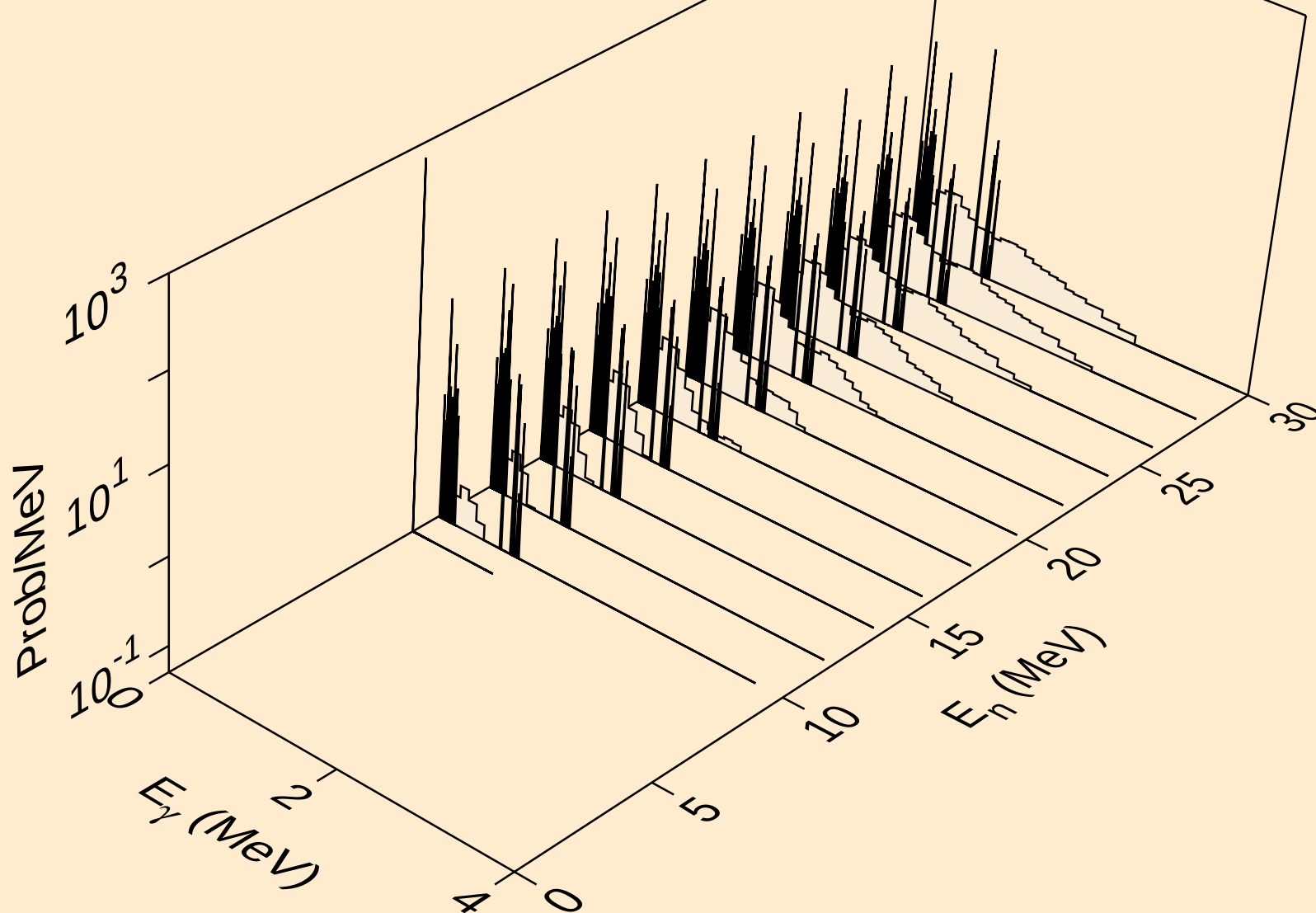
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Photon emission for (n,d2a)



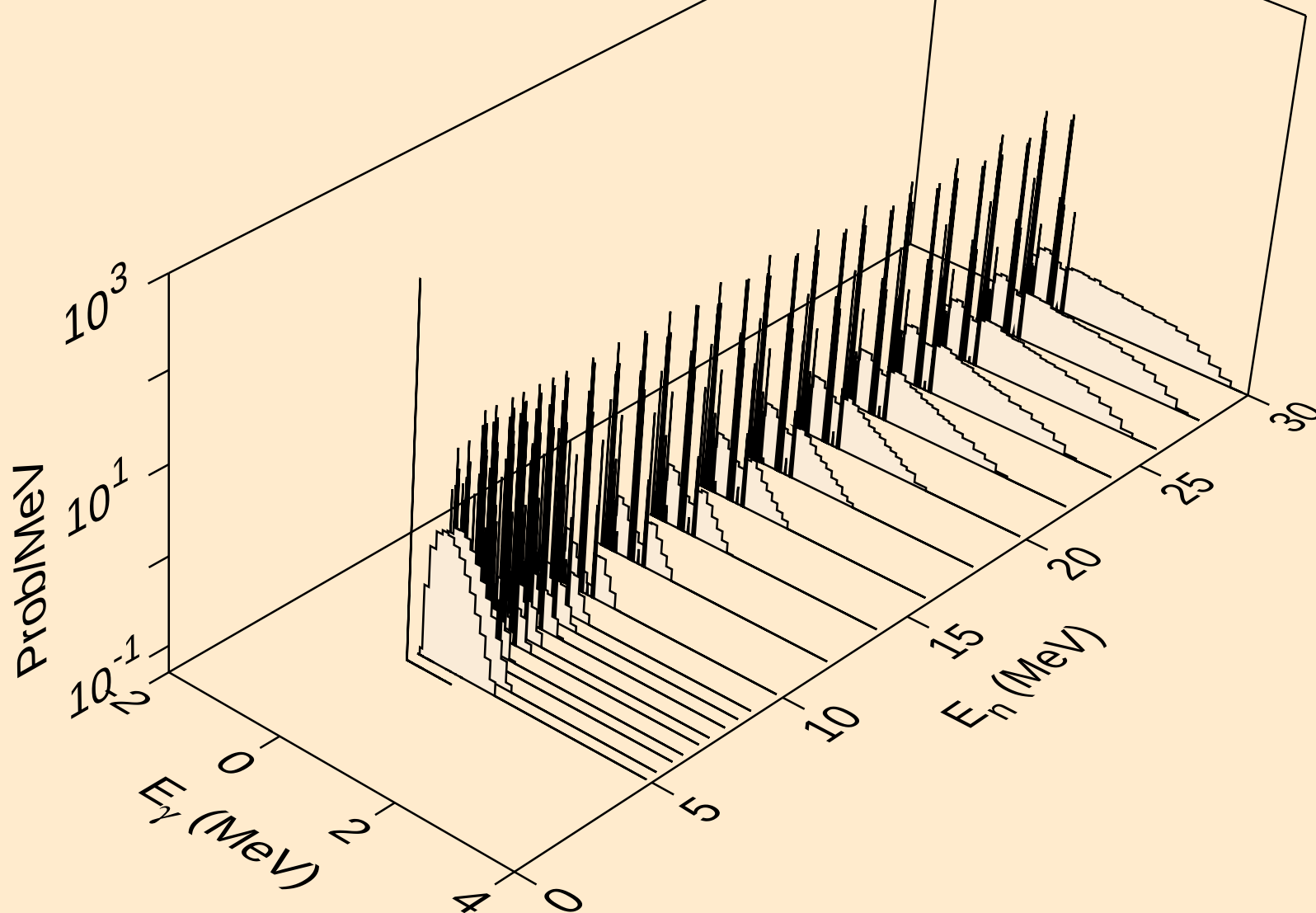
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



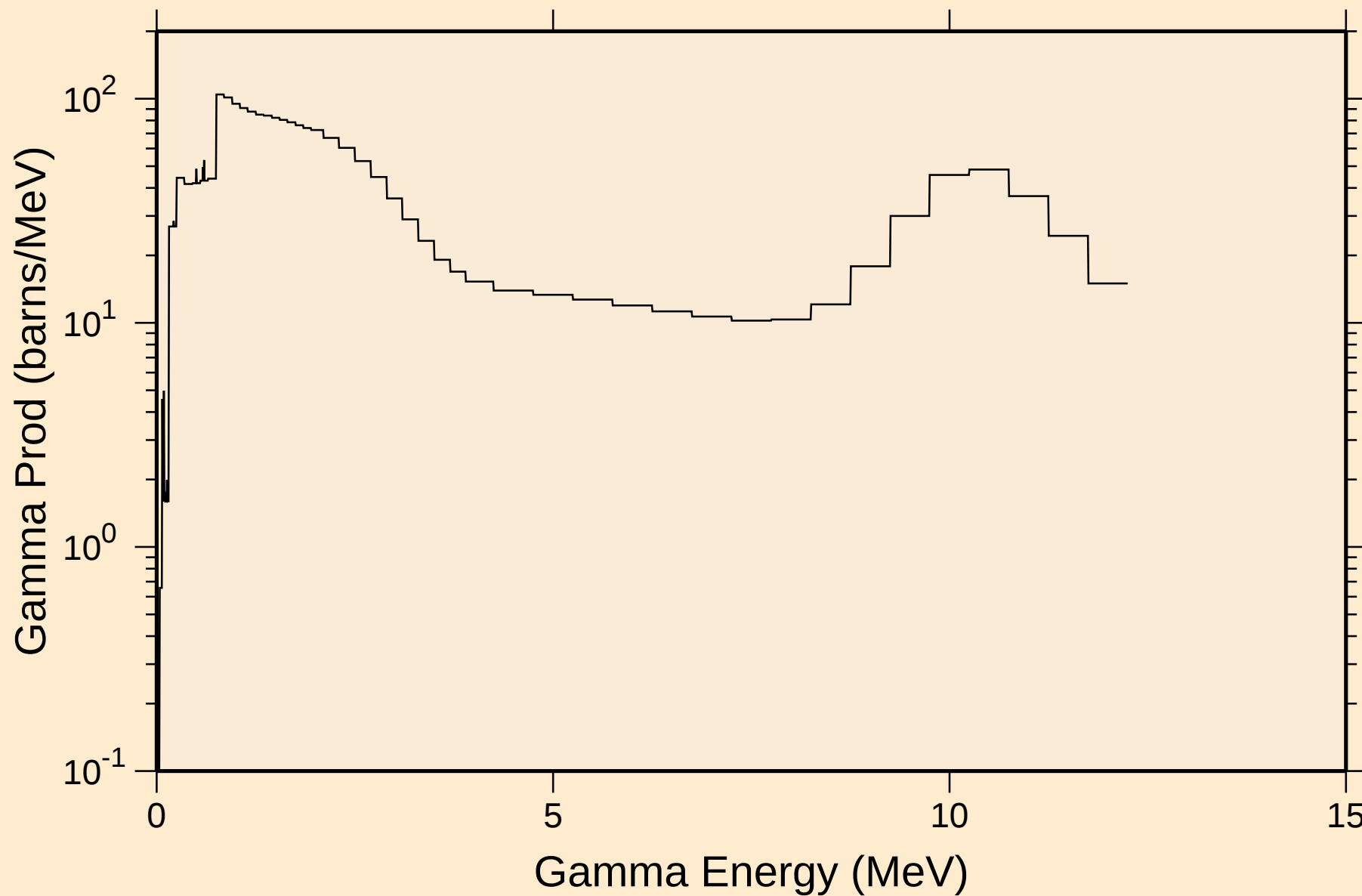
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



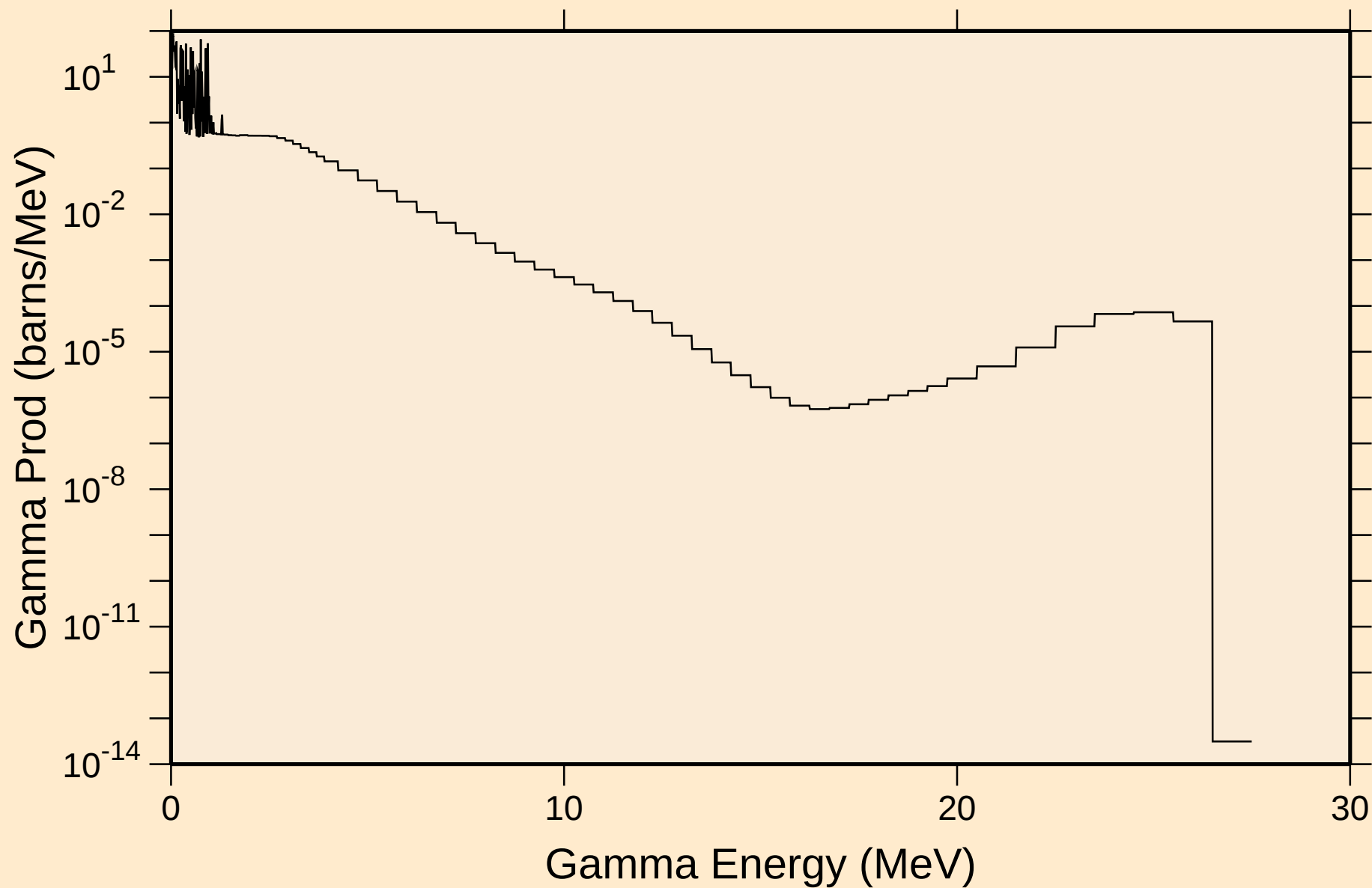
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

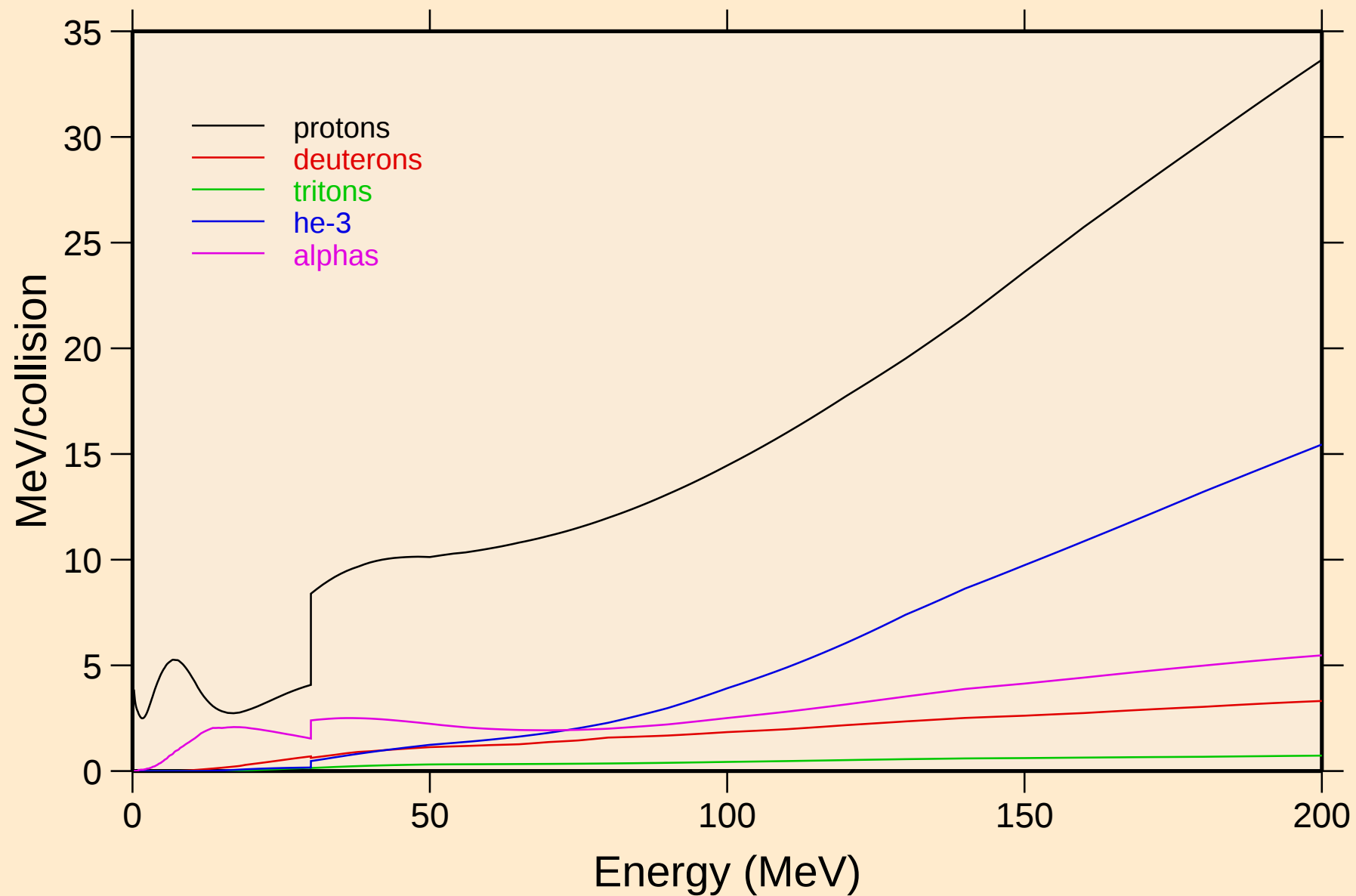


PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



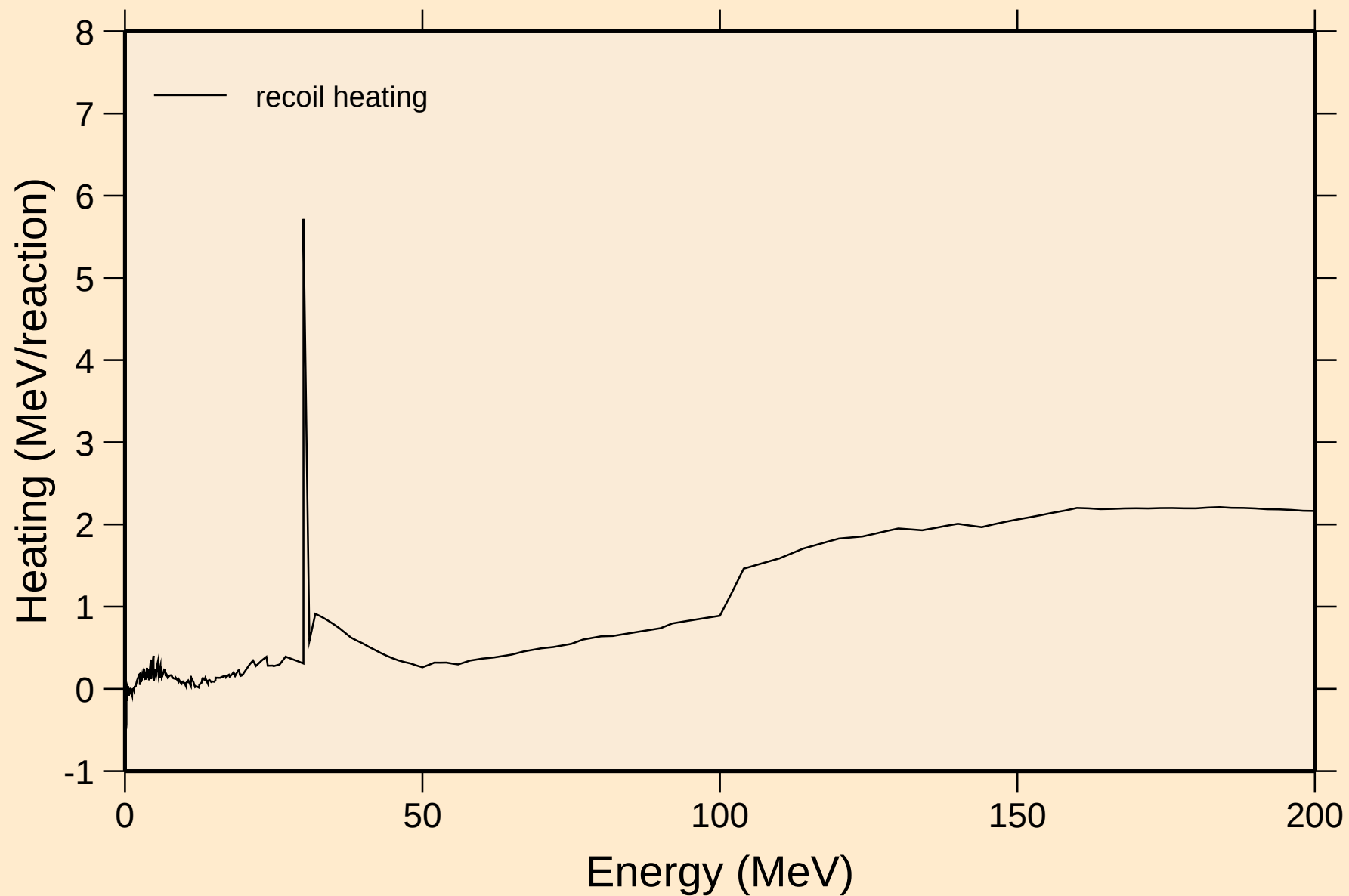
# PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

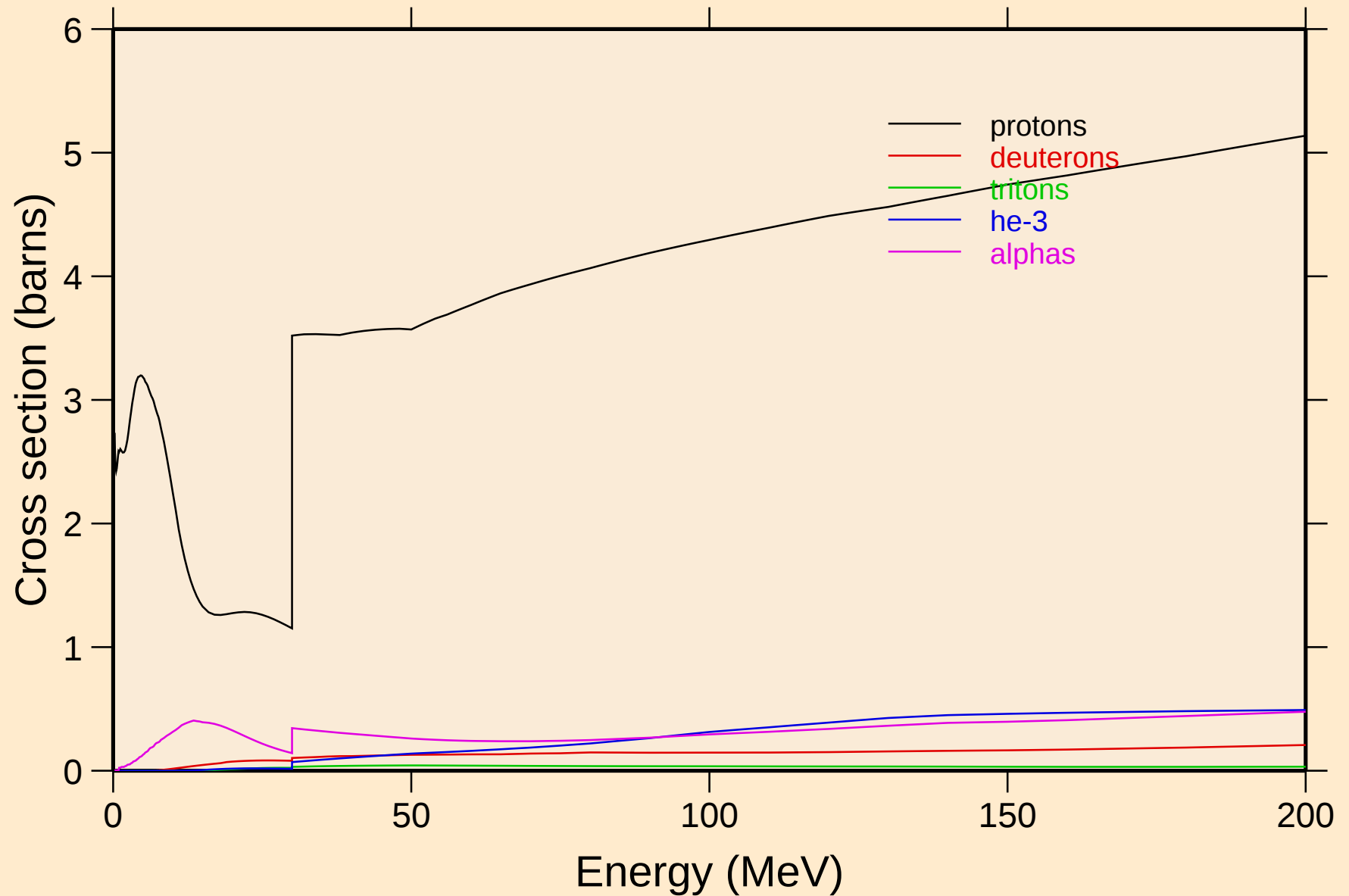


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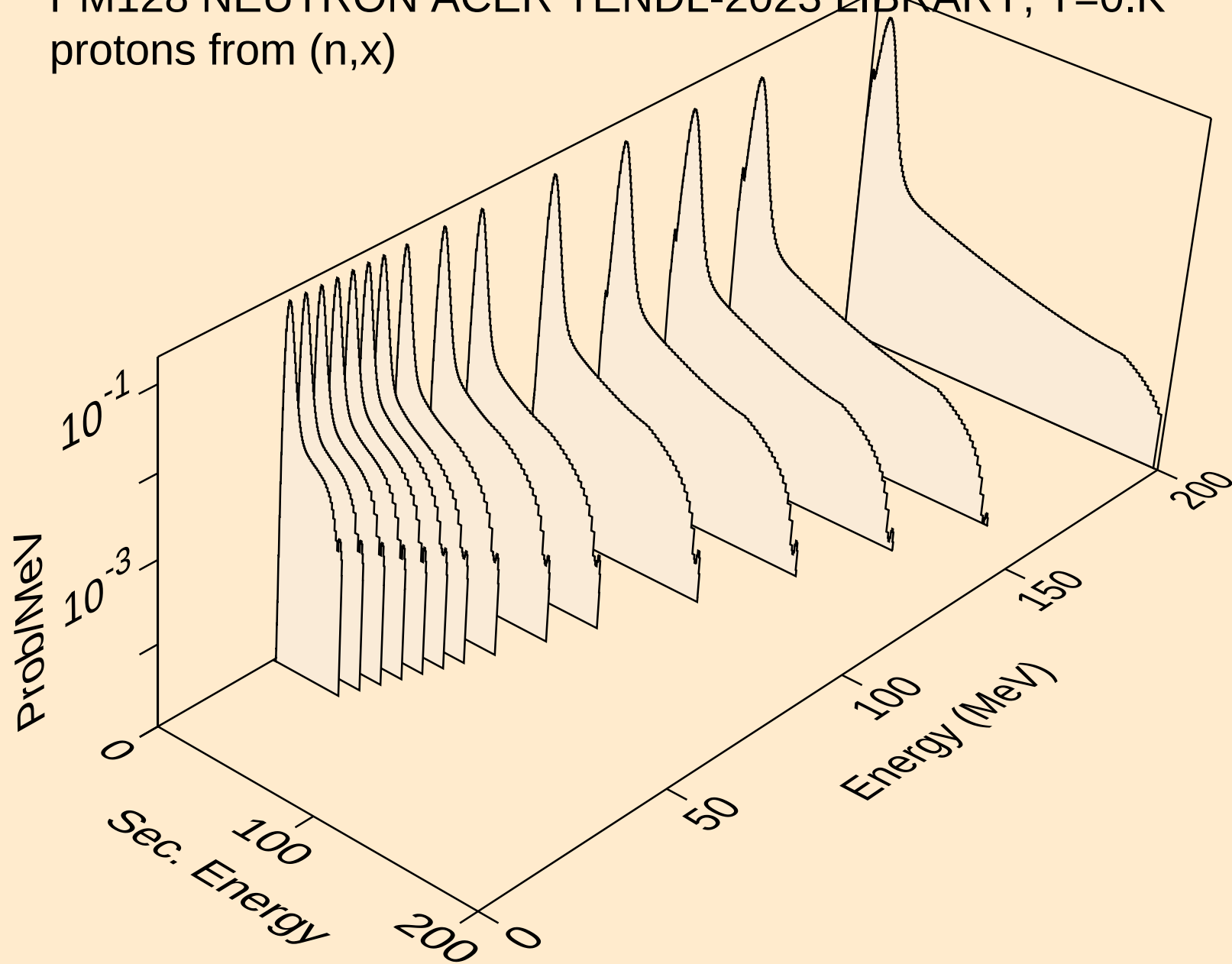
## Recoil Heating



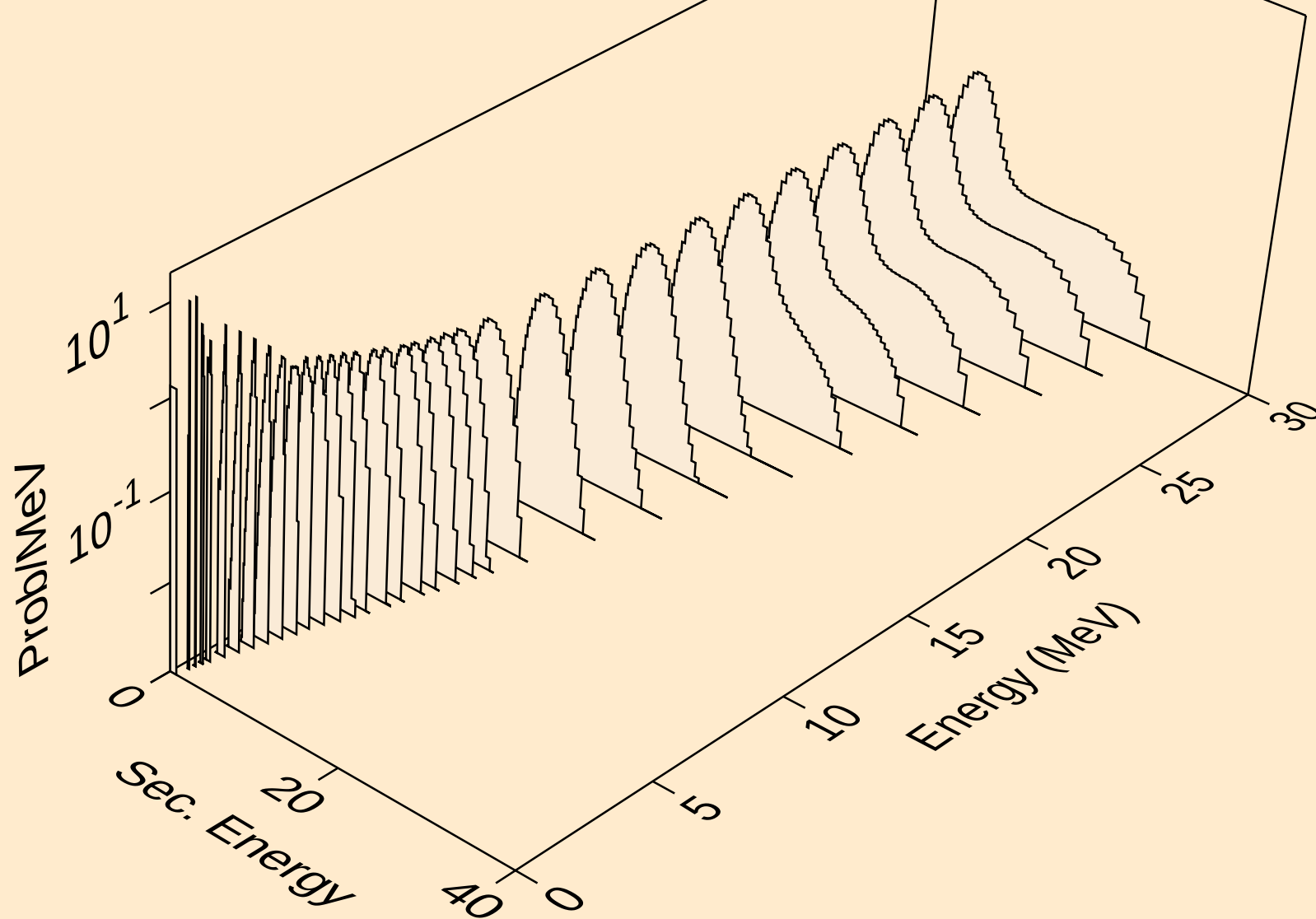
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



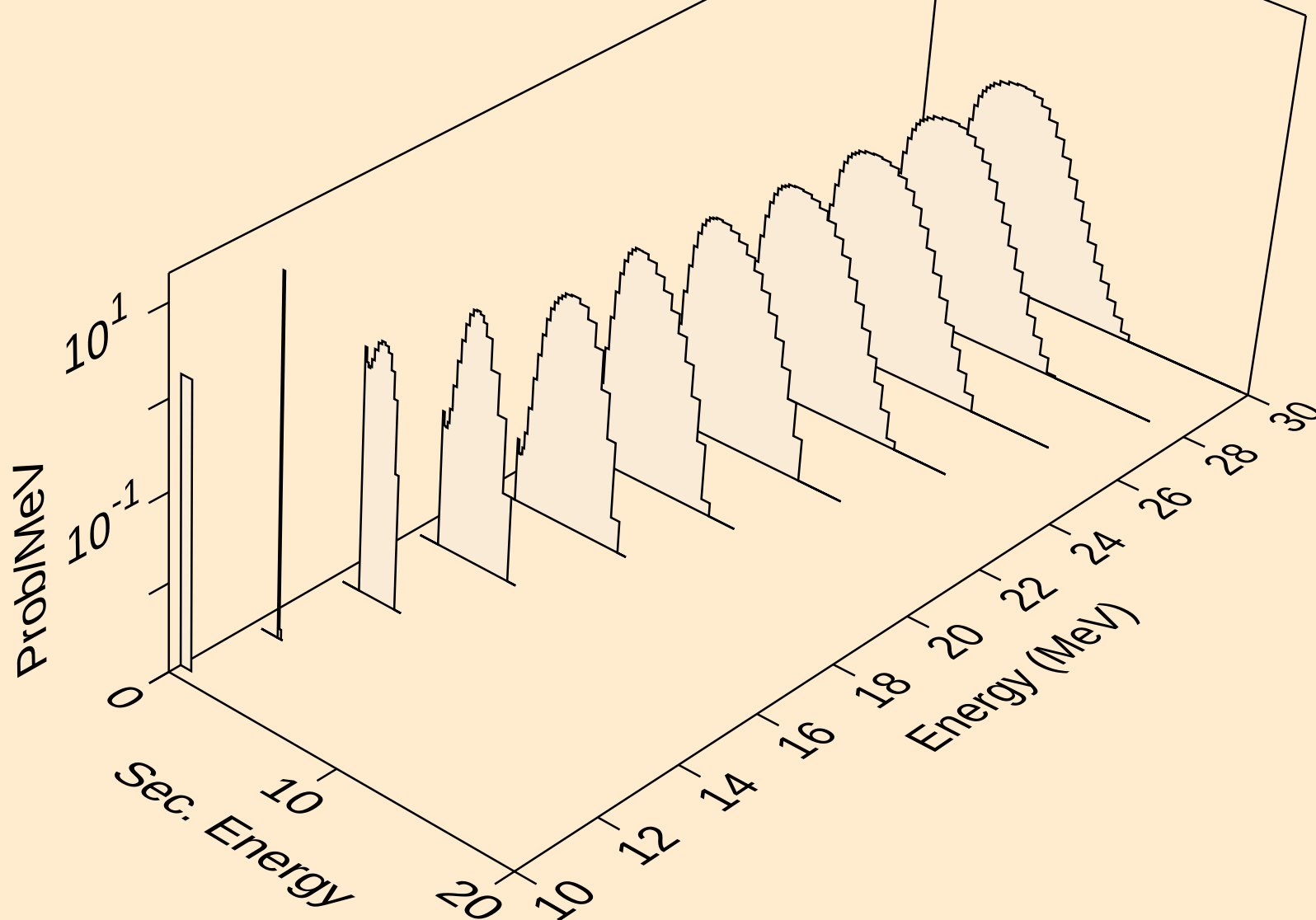
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



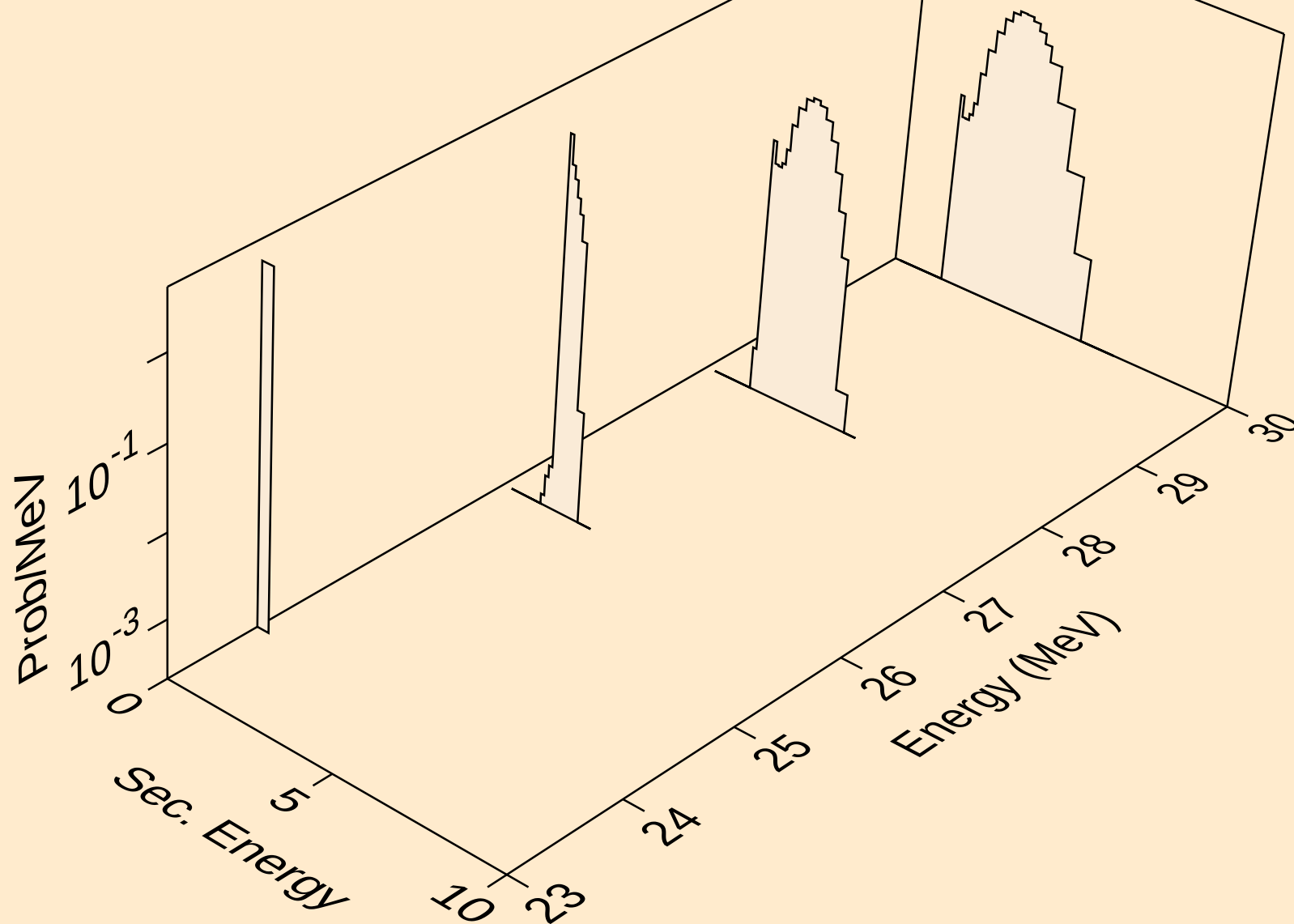
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



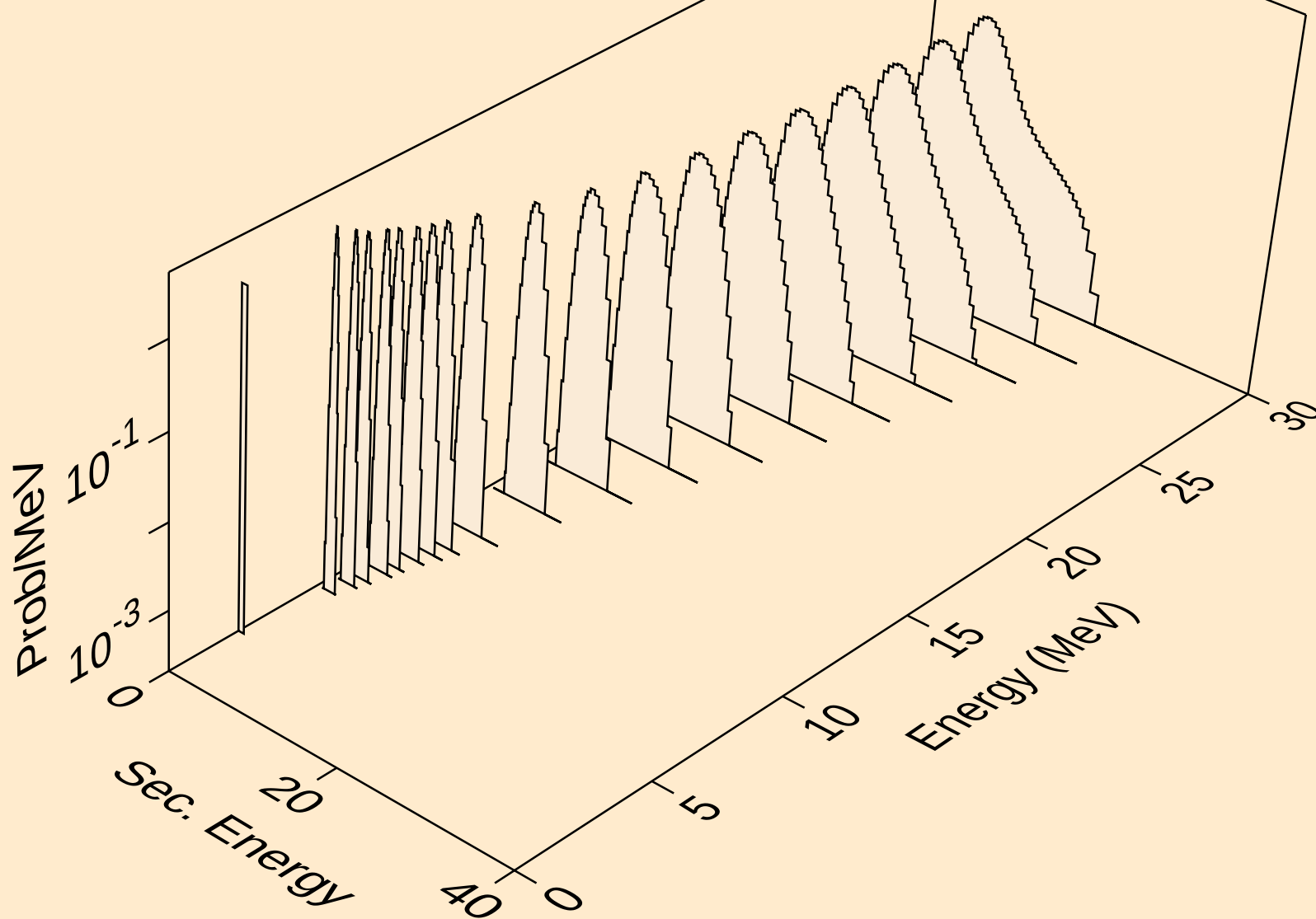
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protons from (n,2np)



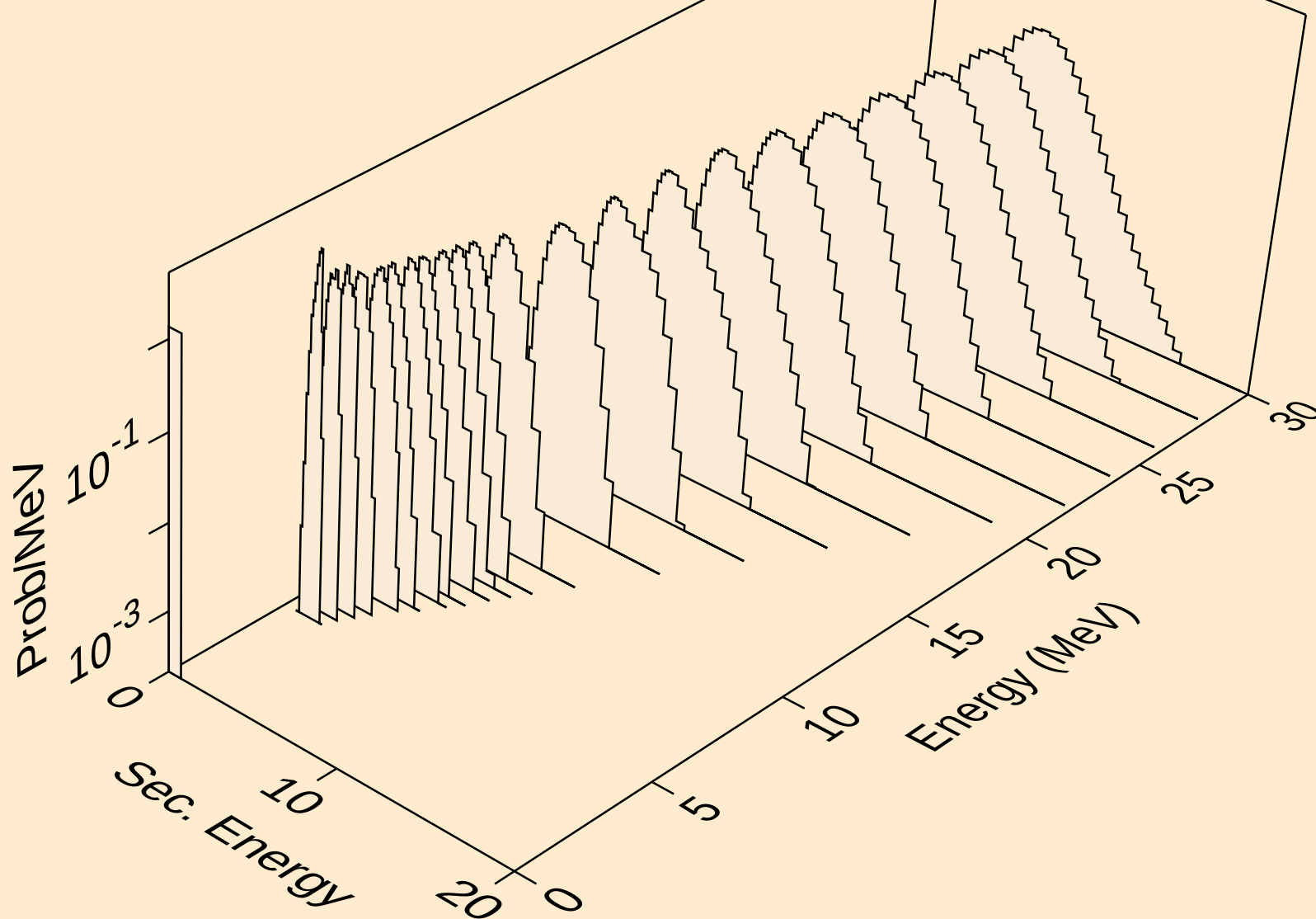
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protons from (n,3np)



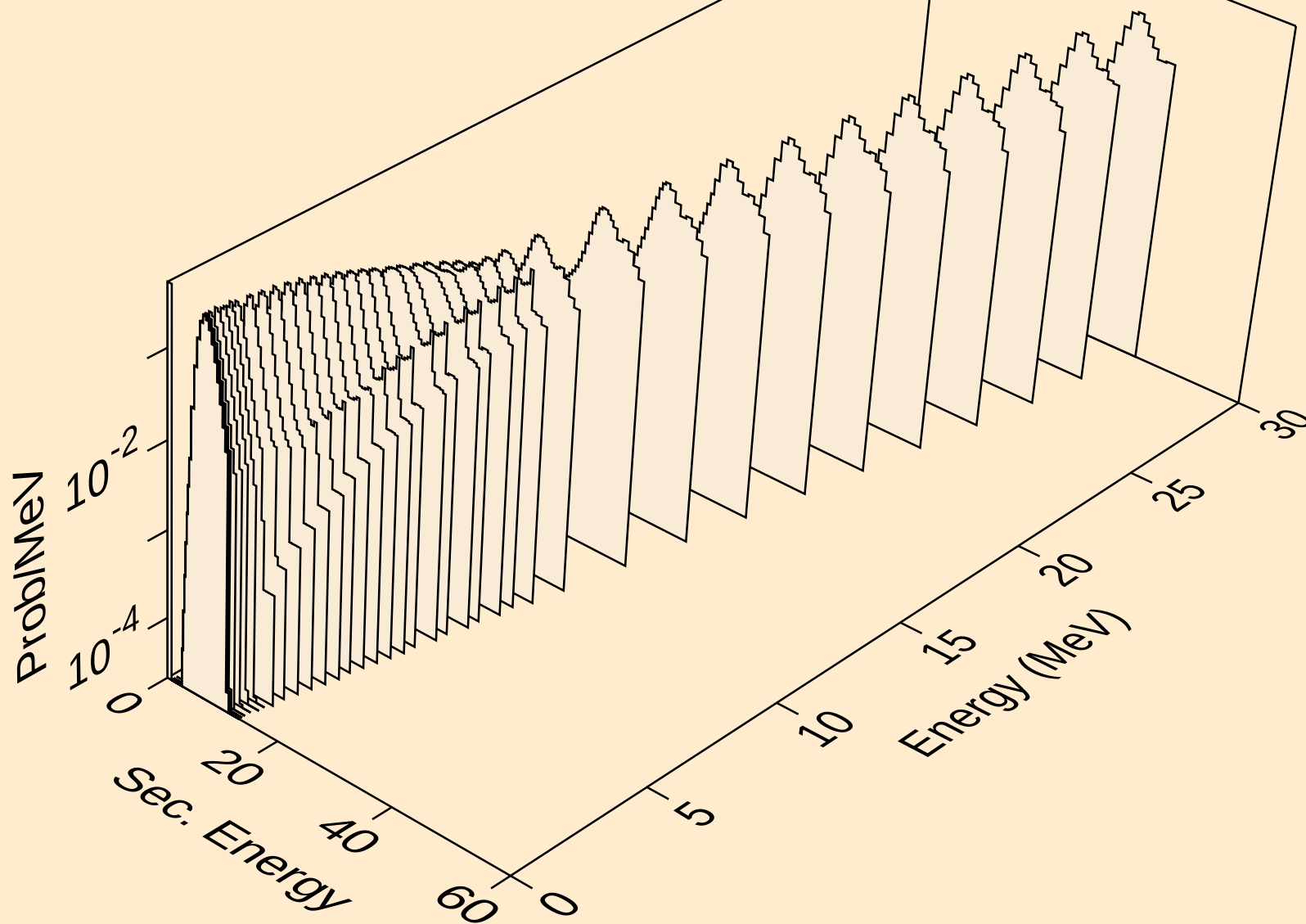
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protons from (n,n2p)



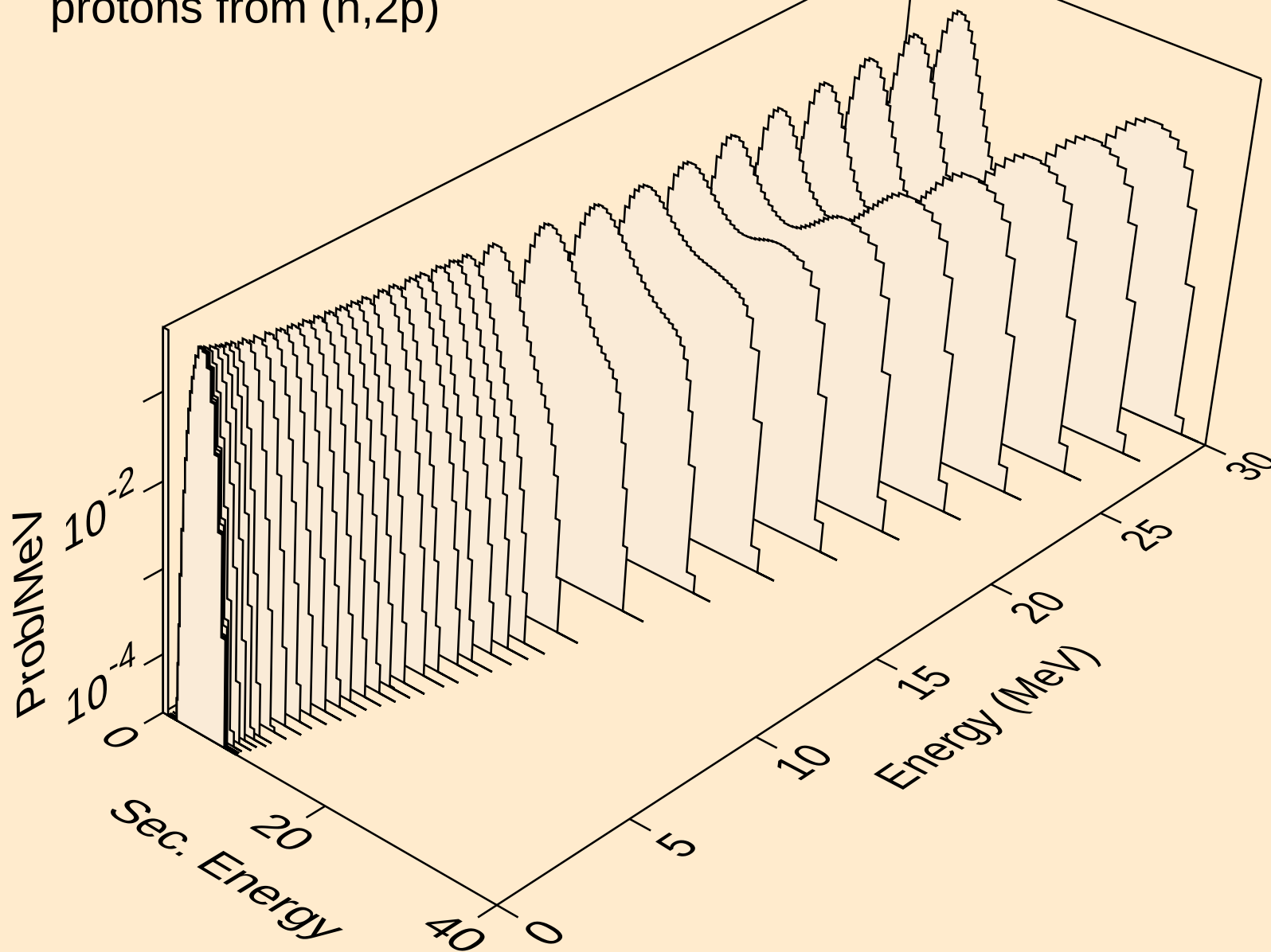
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protons from (n,npa)



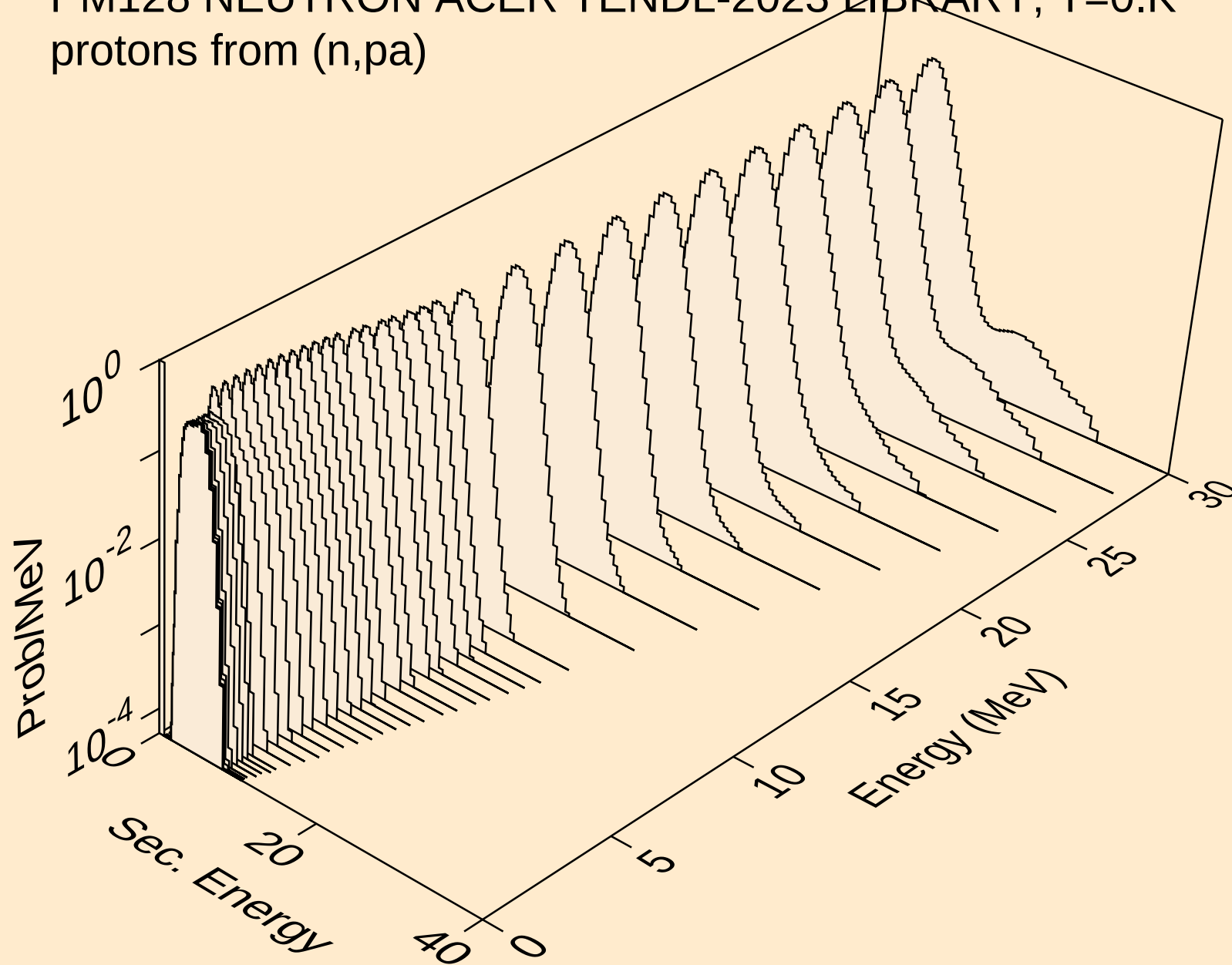
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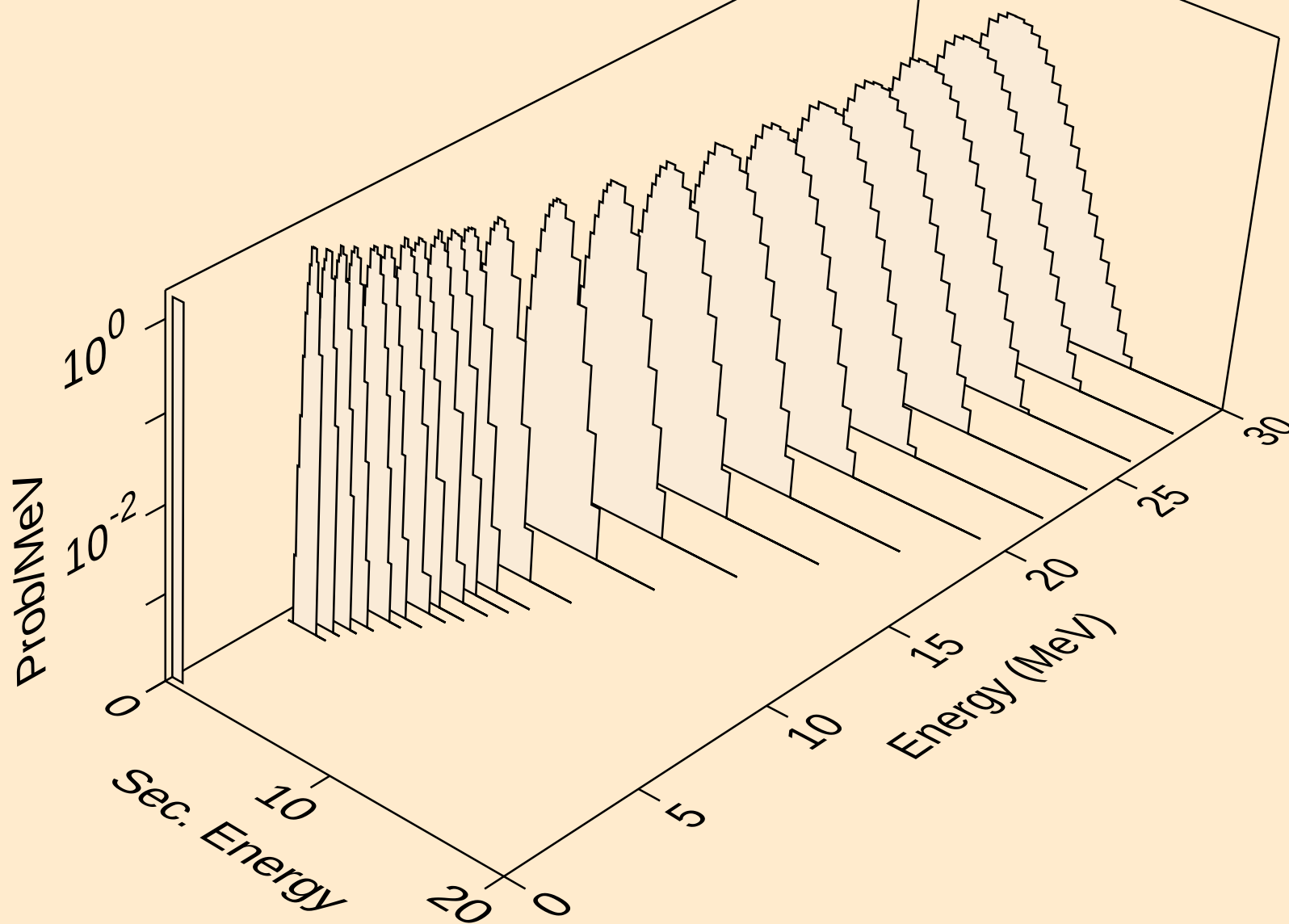
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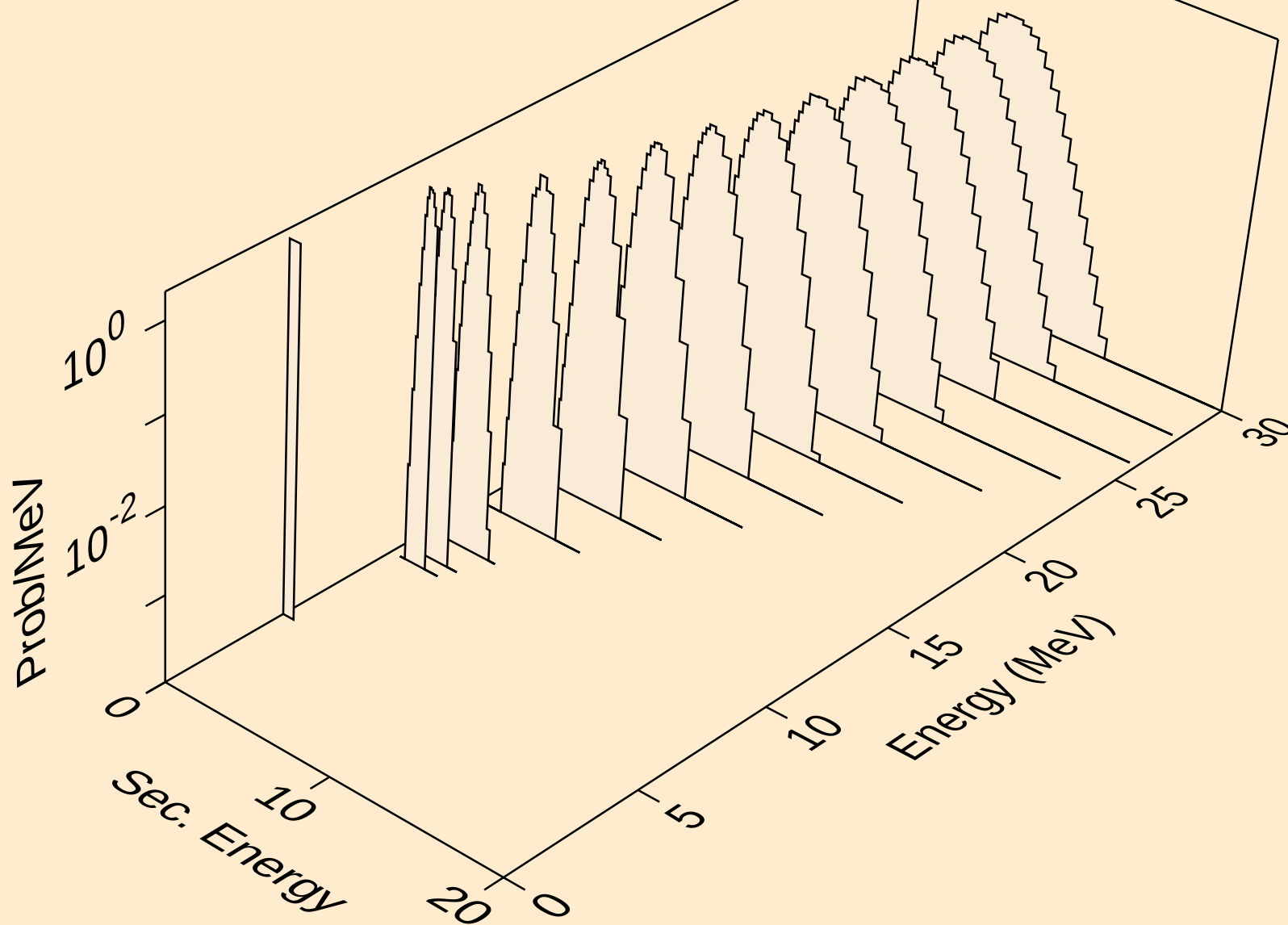
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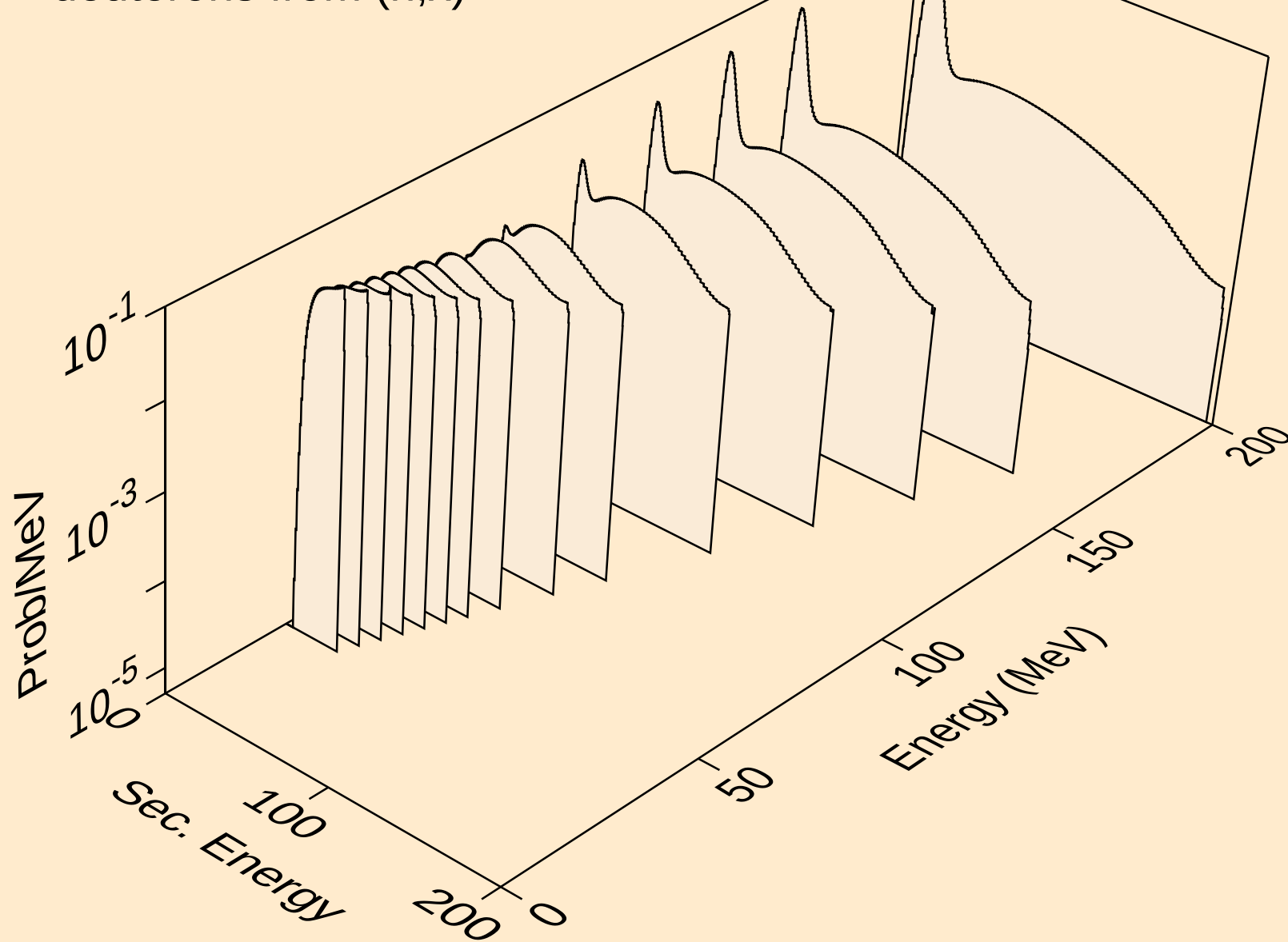
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protons from (n,pd)



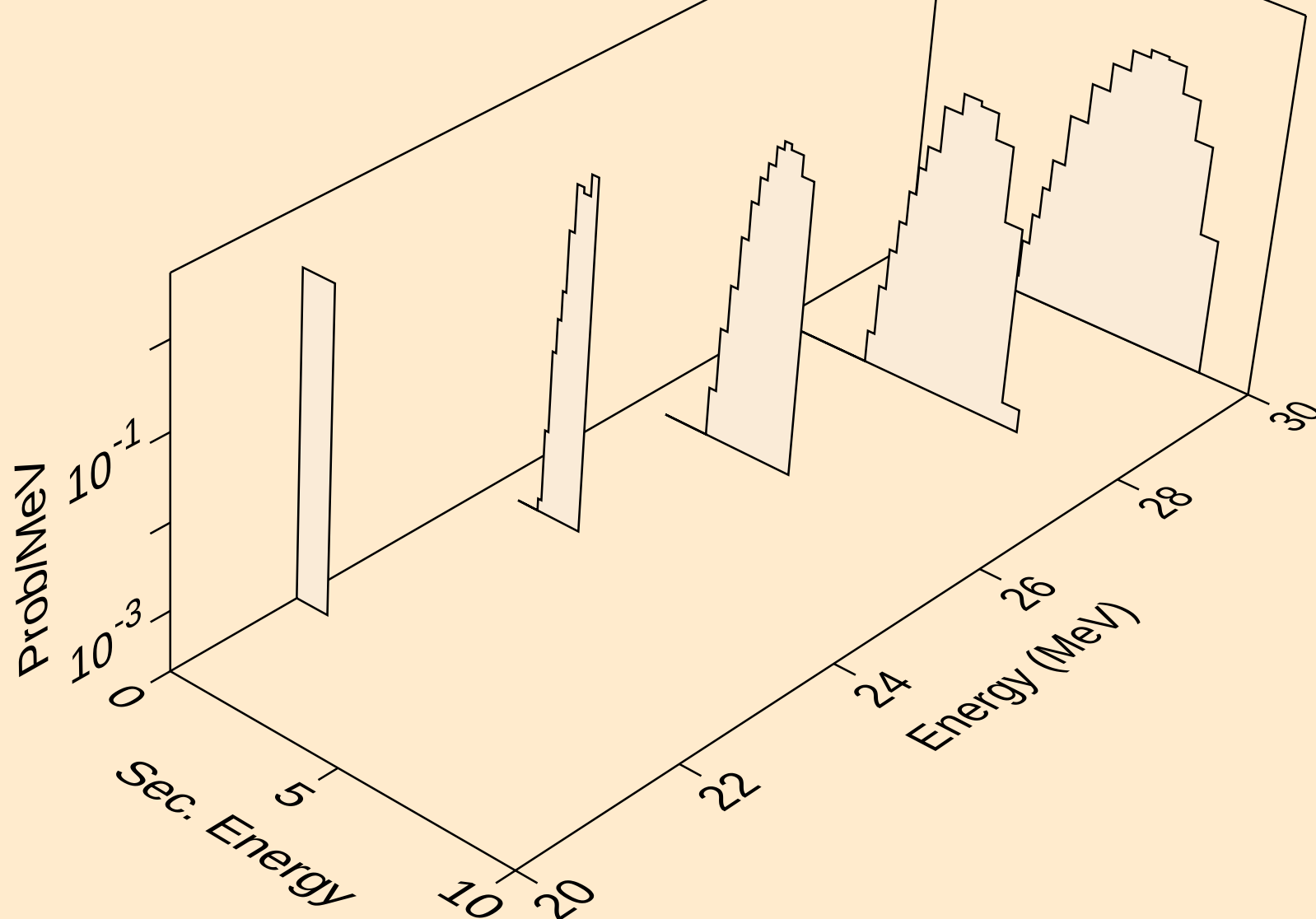
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protons from (n,pt)



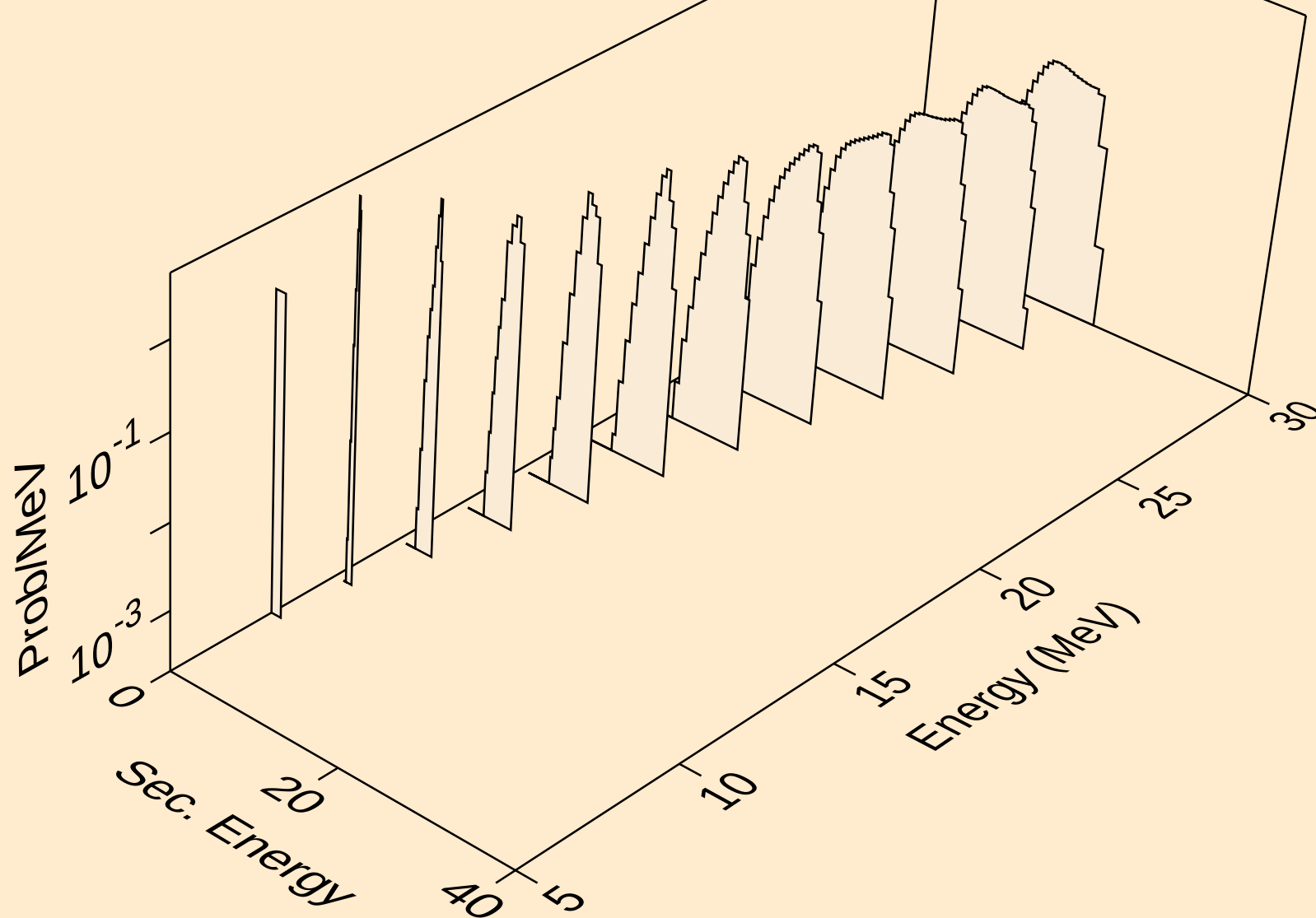
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deuterons from (n,x)



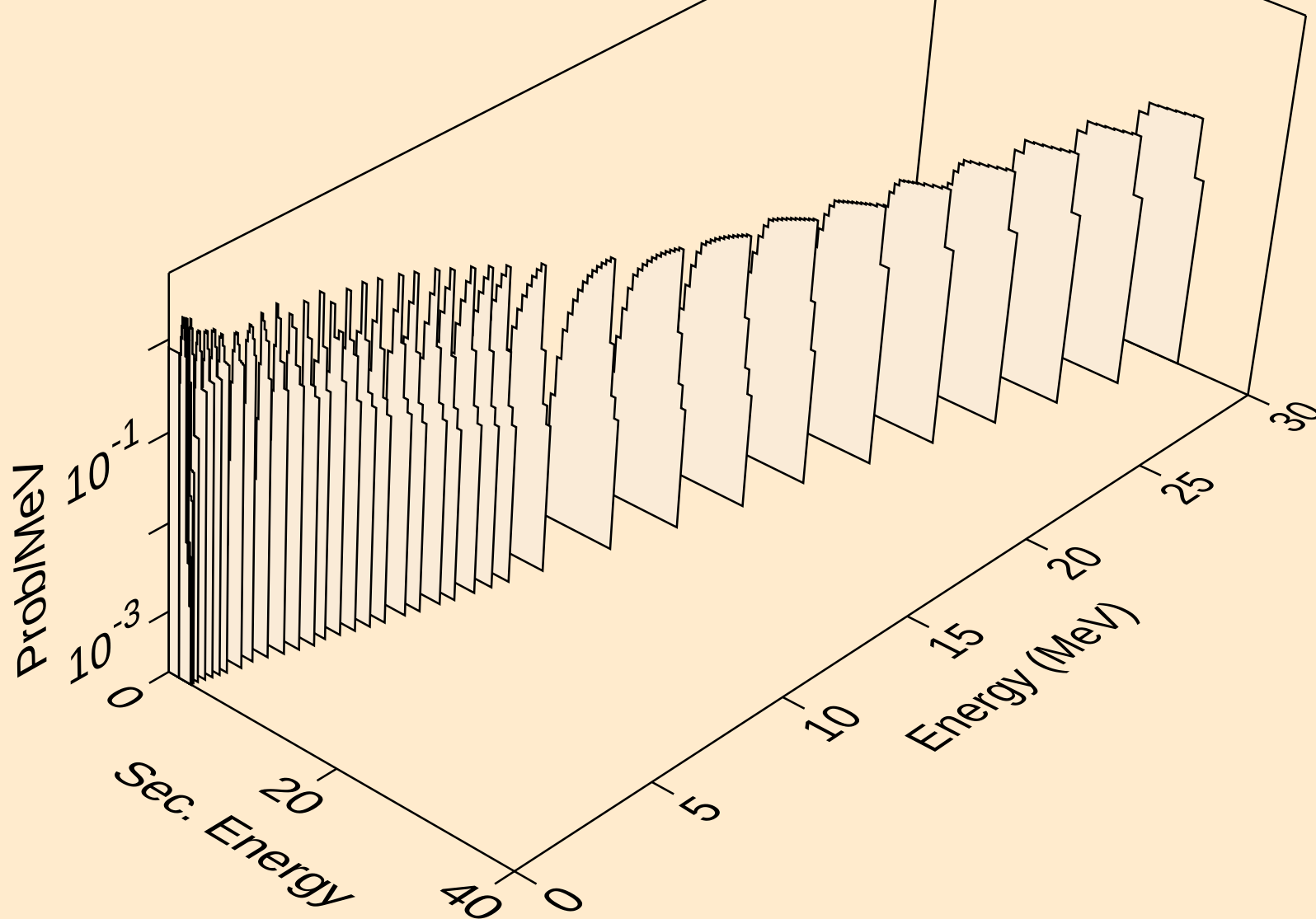
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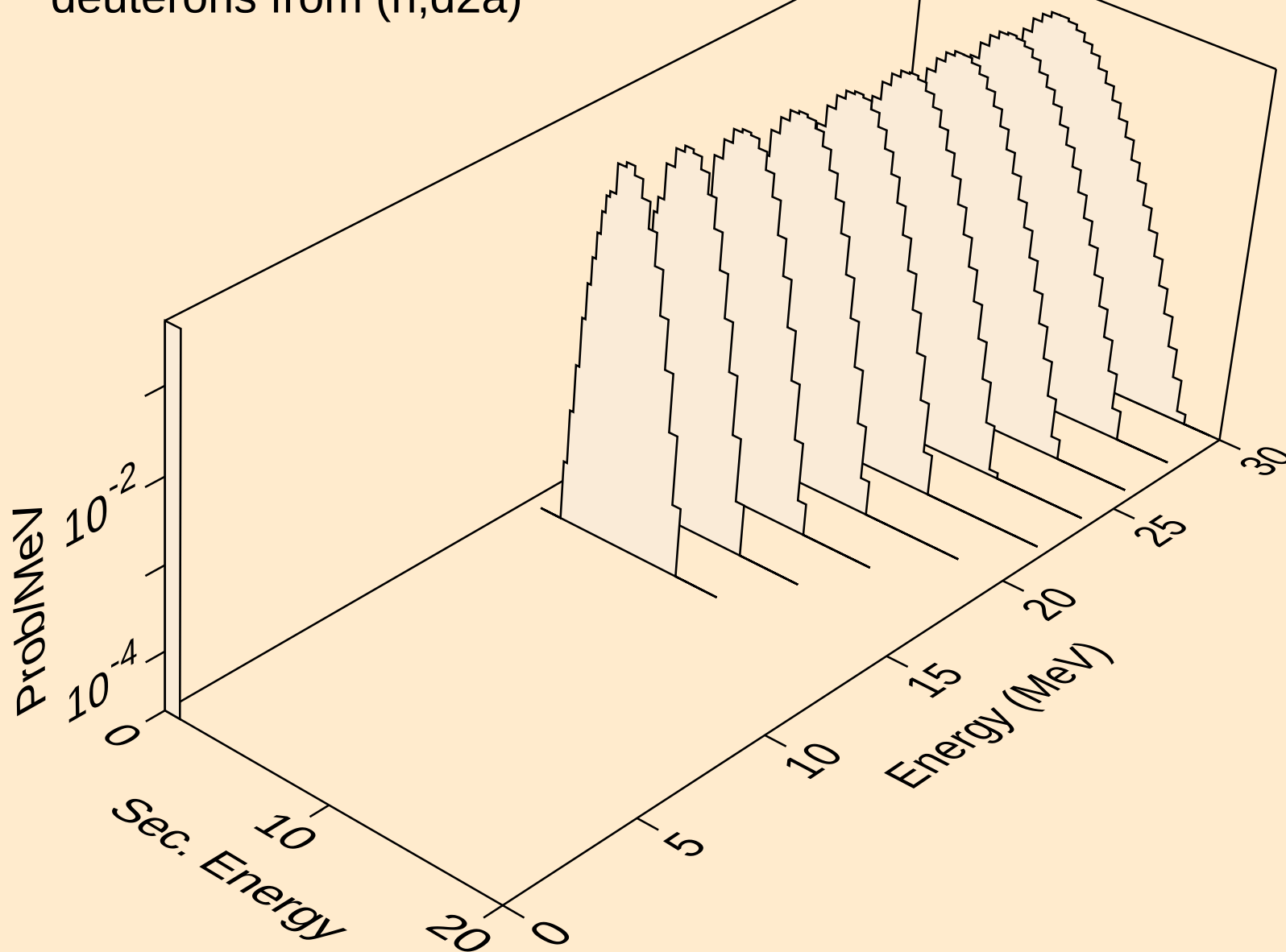
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deuterons from (n,n\*)d



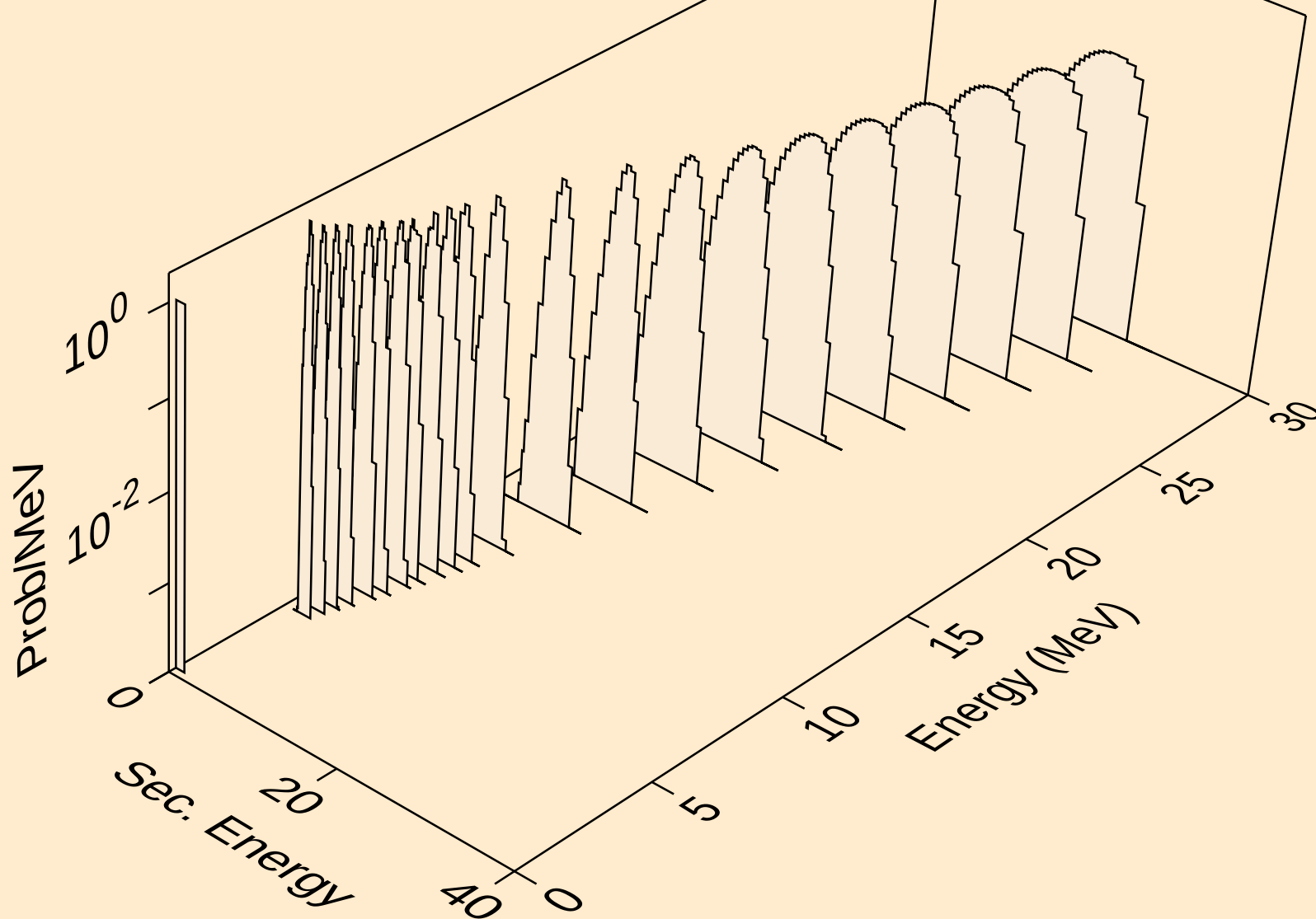
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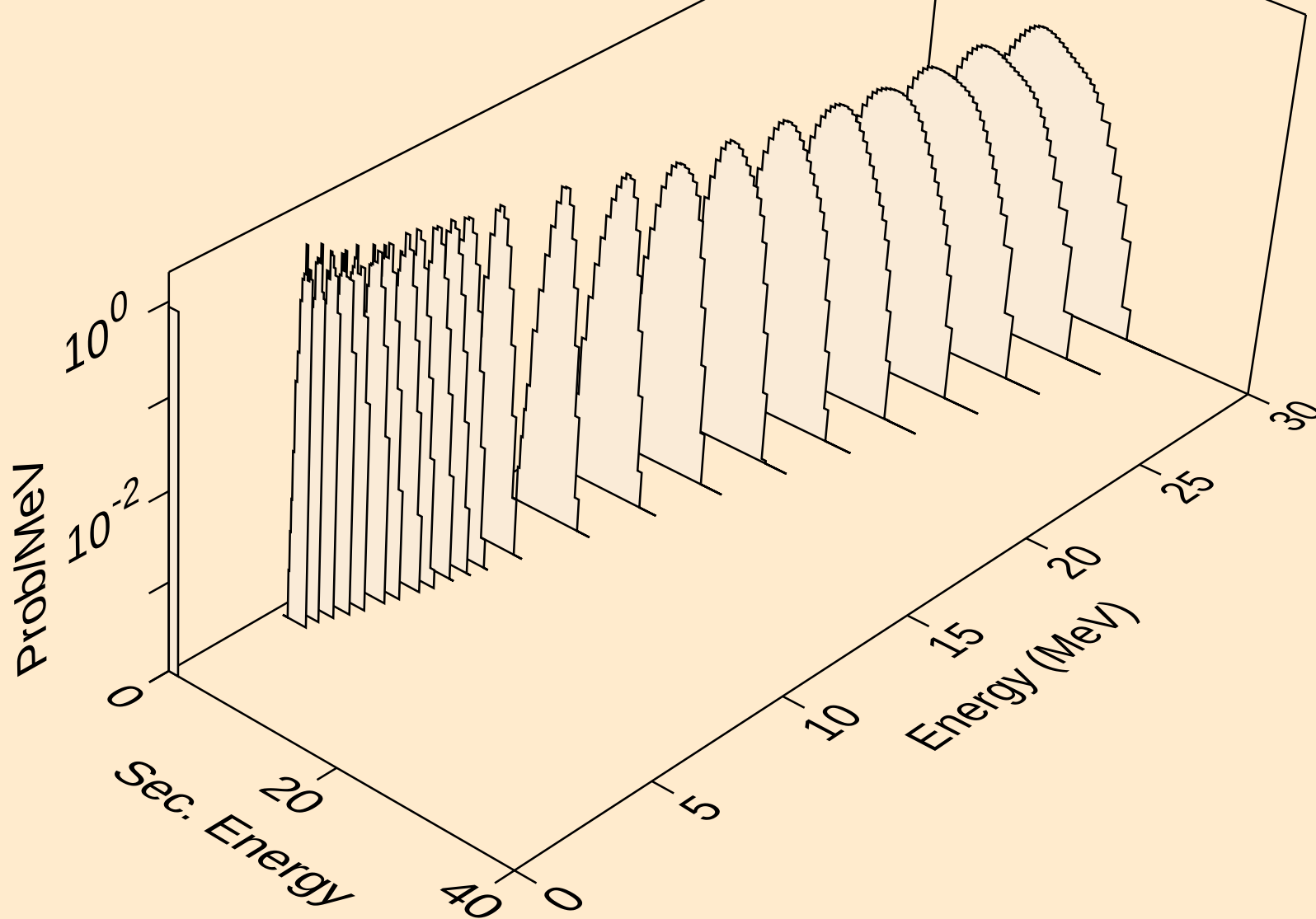
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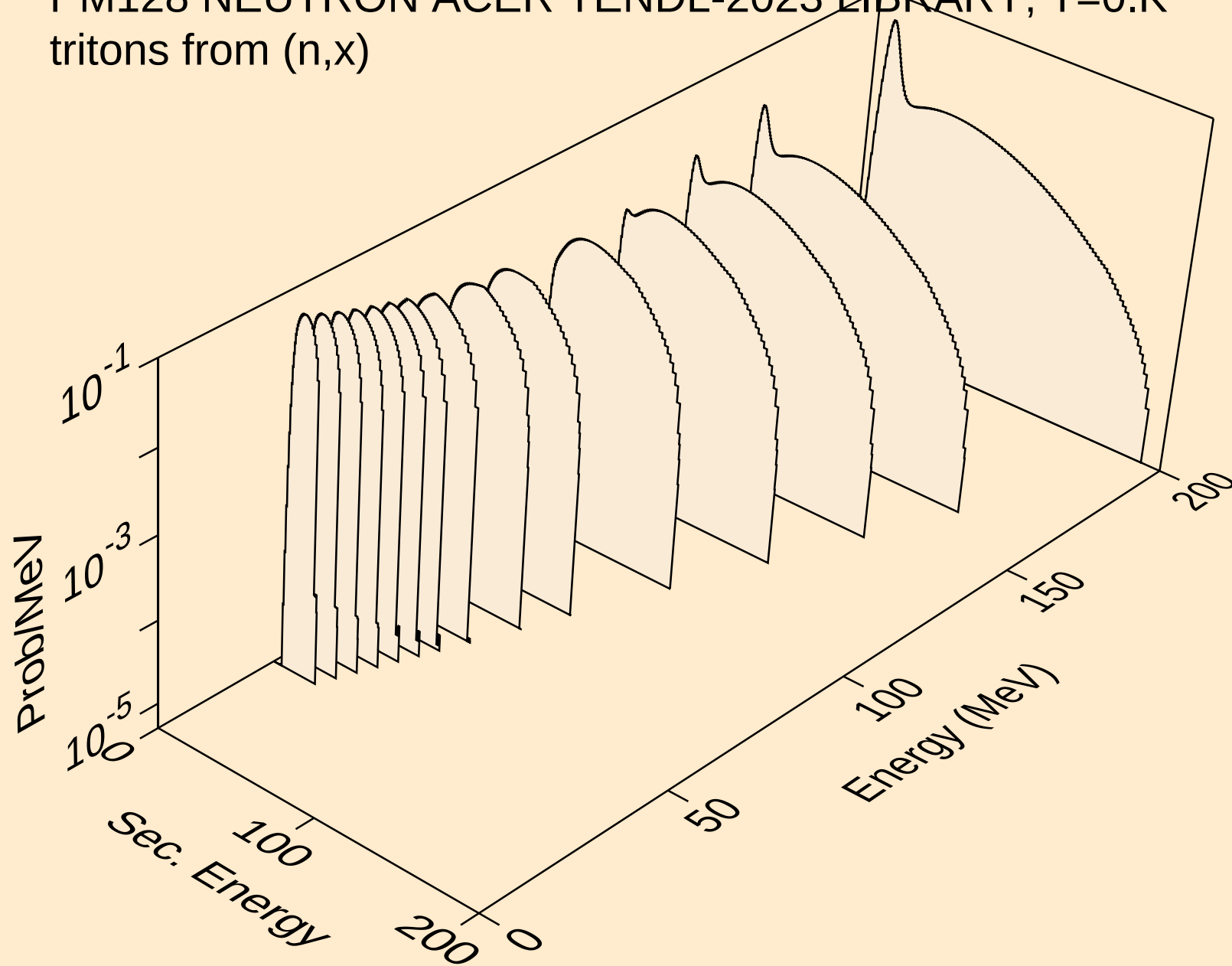
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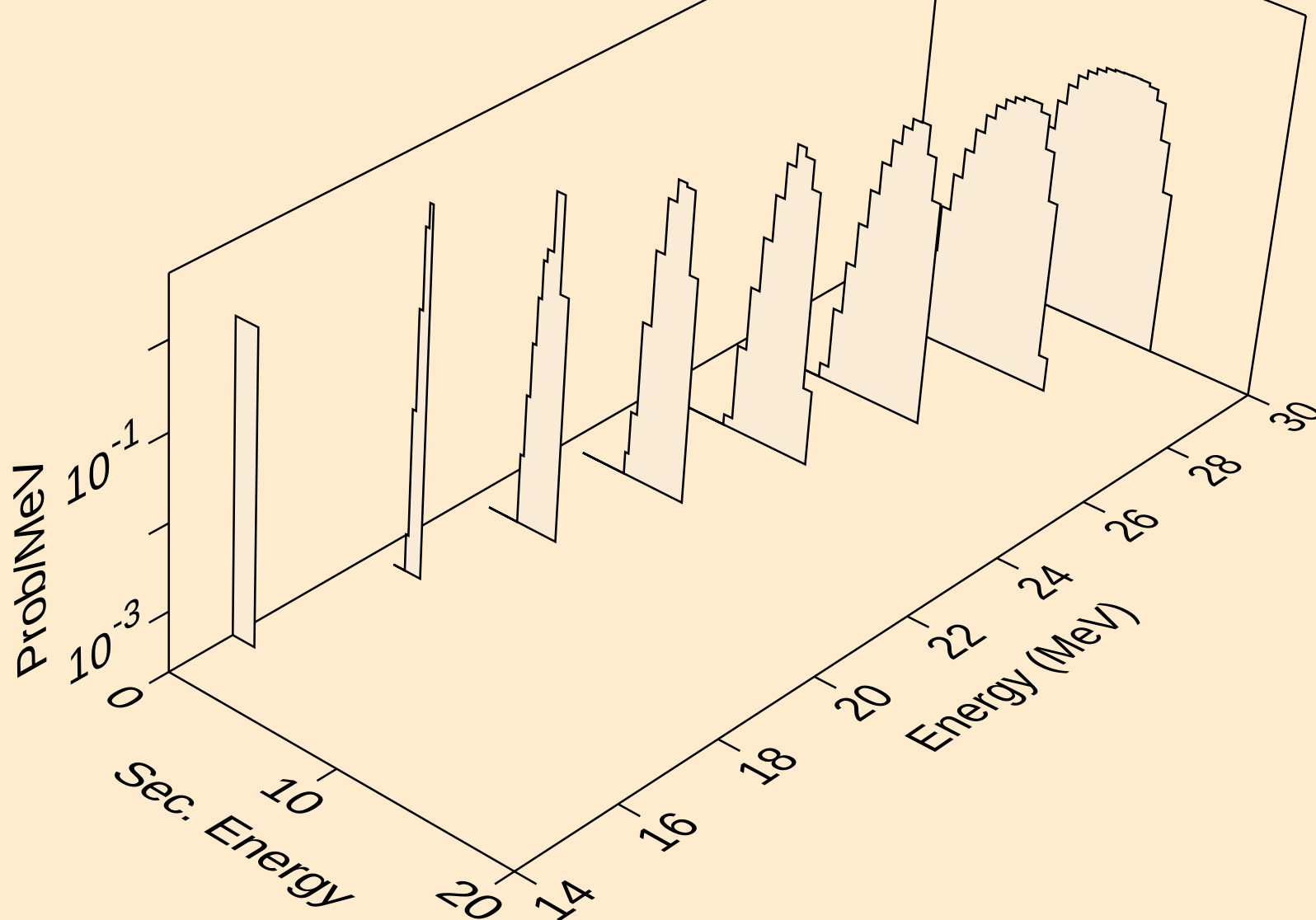
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deuterons from (n,da)



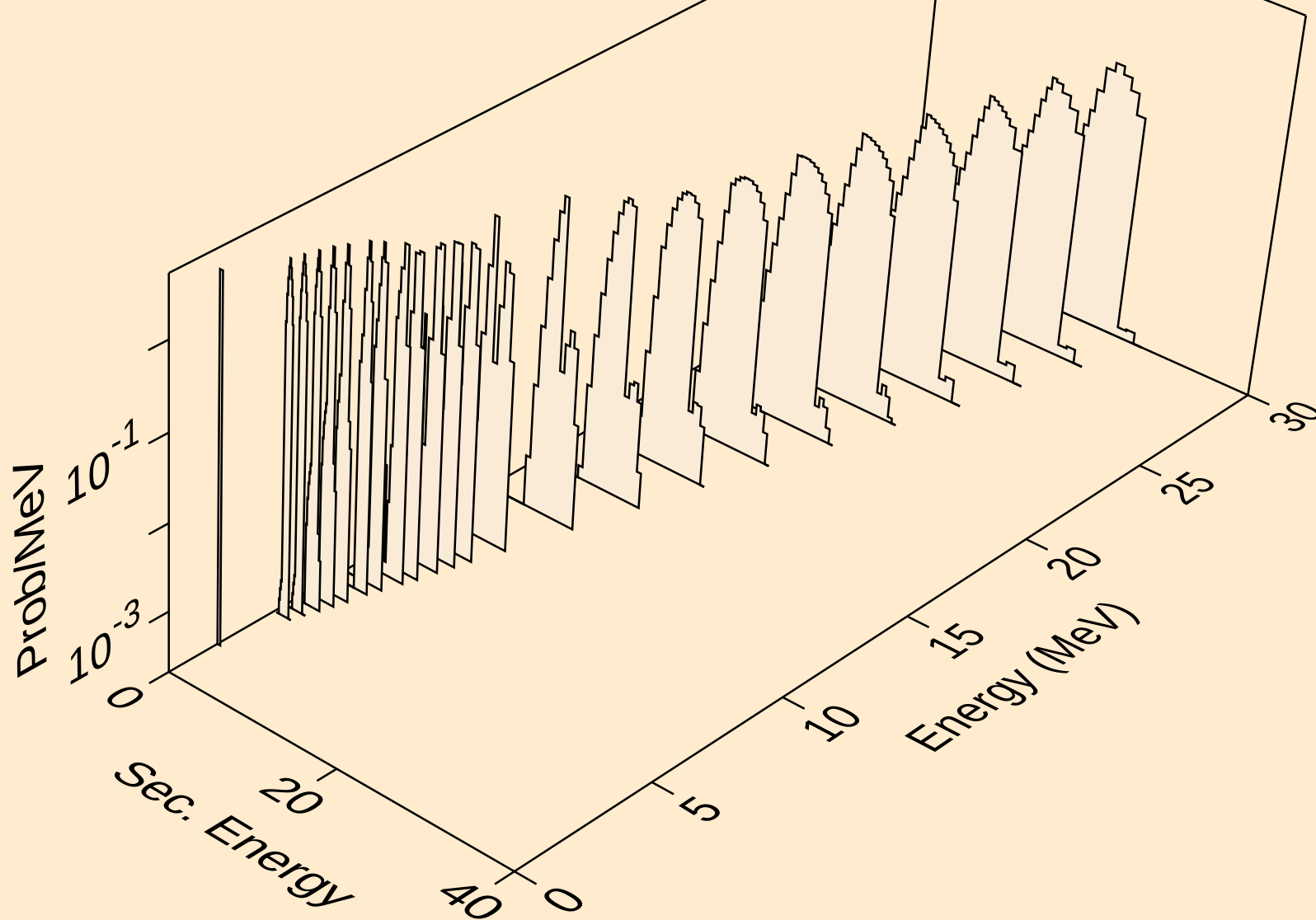
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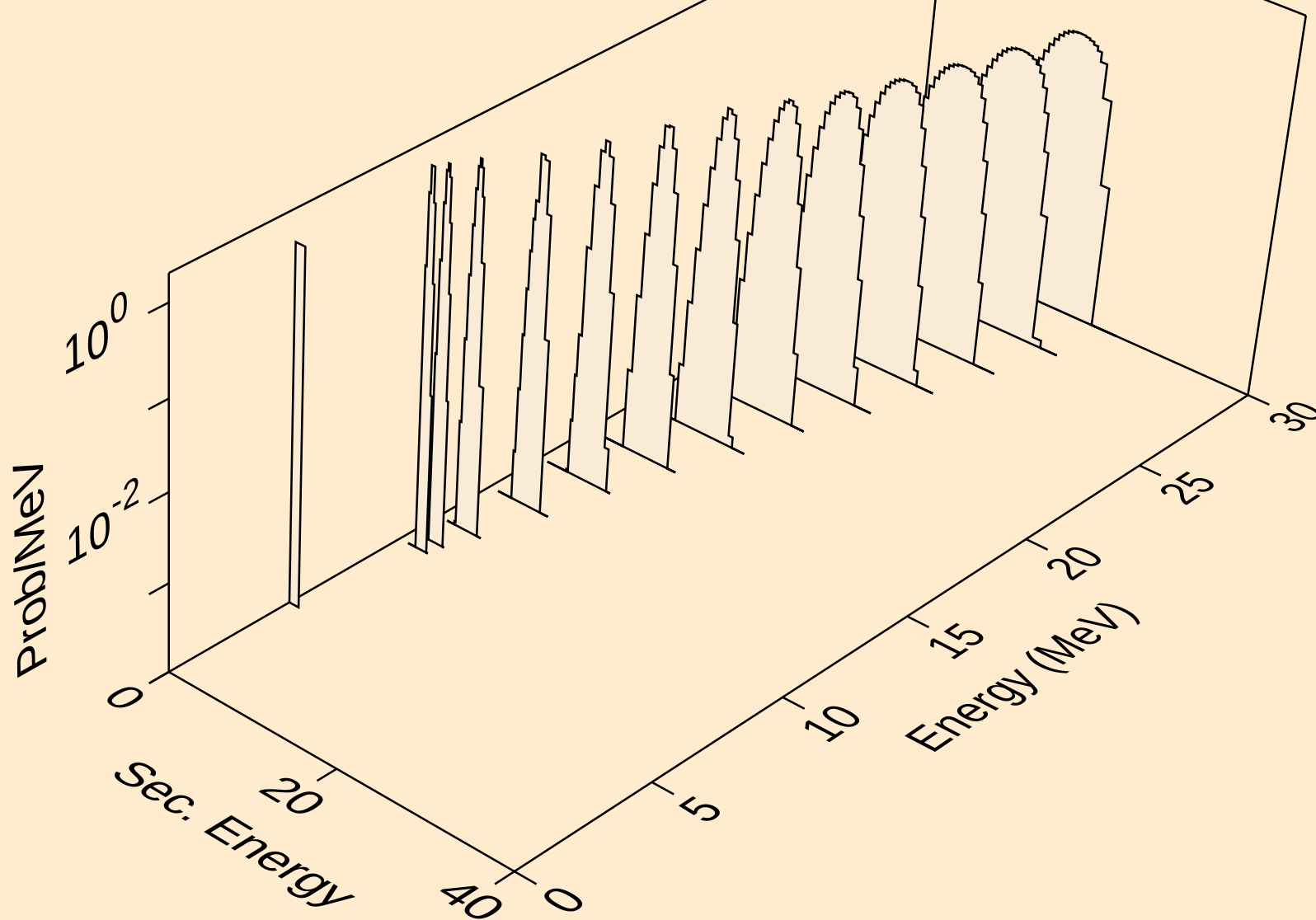
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tritons from (n,n\*)t



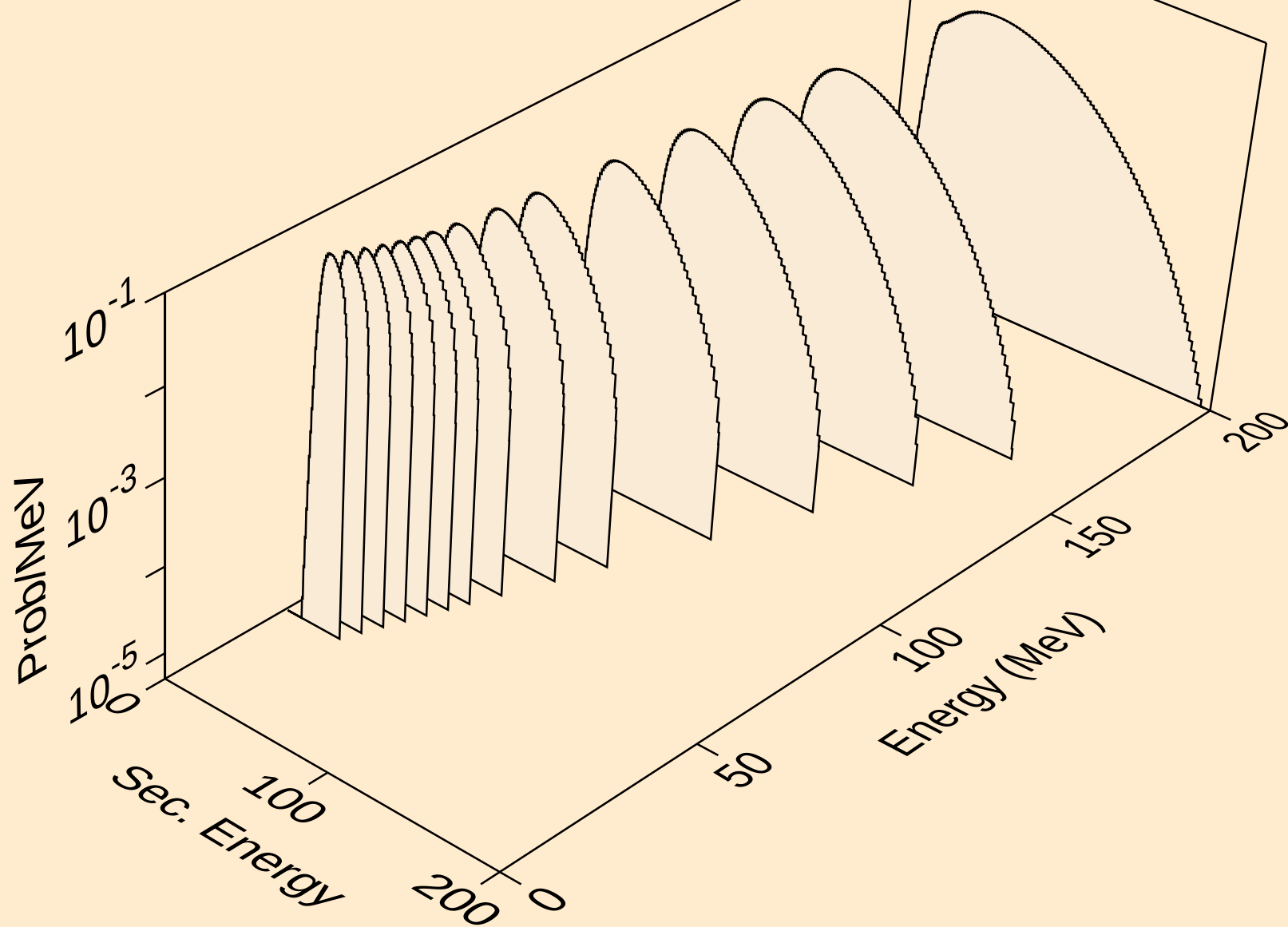
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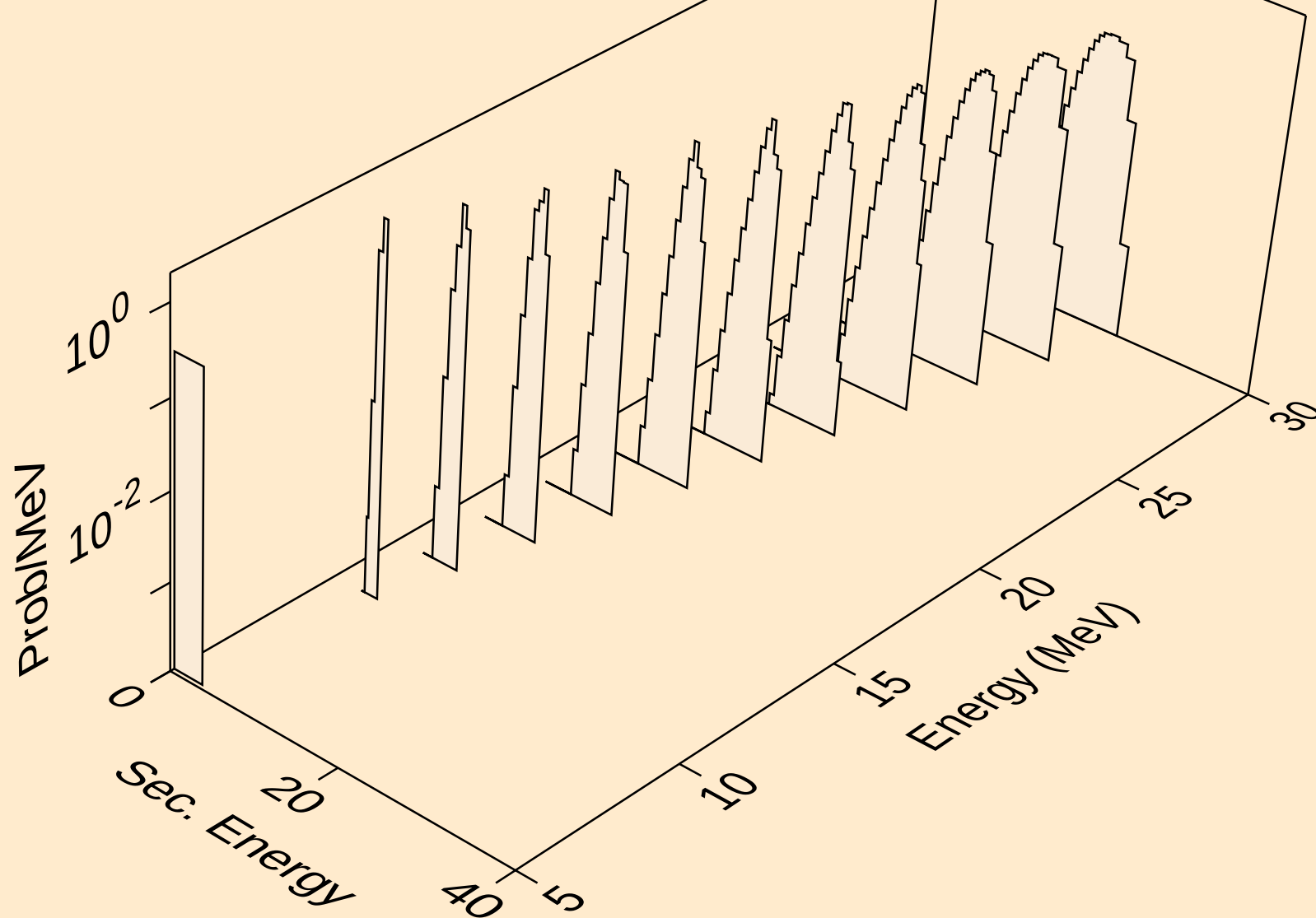
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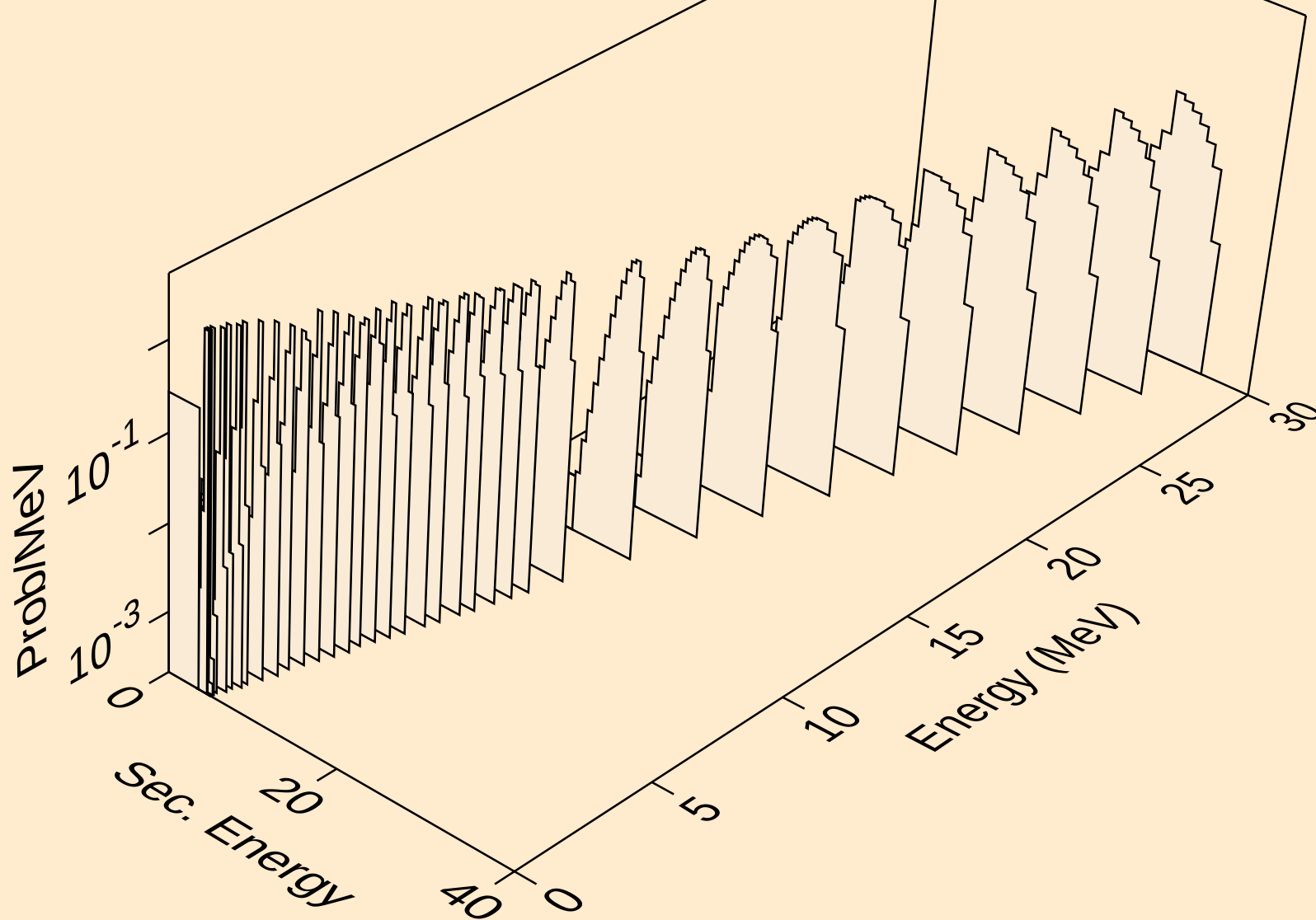
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he3s from (n,x)



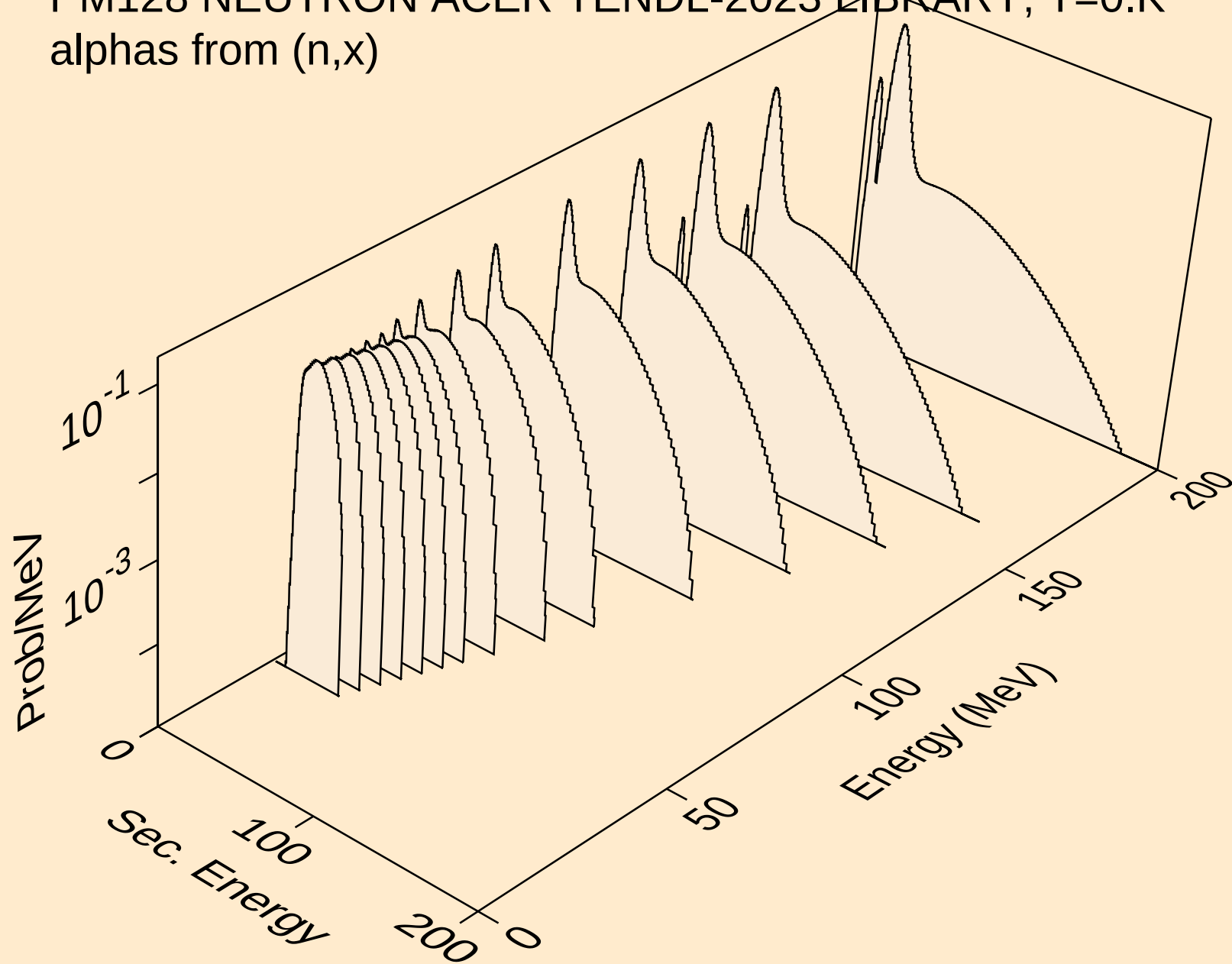
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he3s from (n,n\*)he3



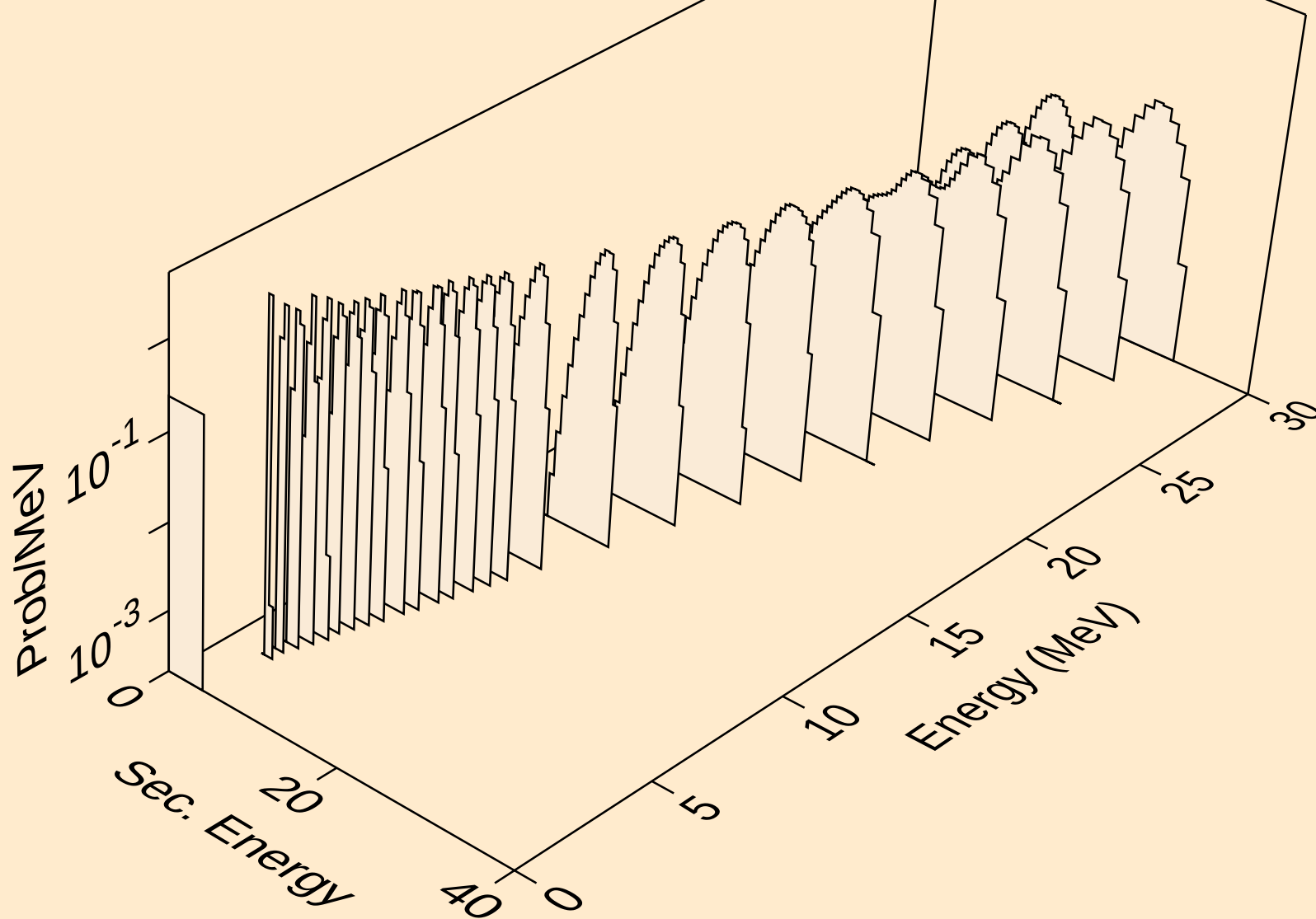
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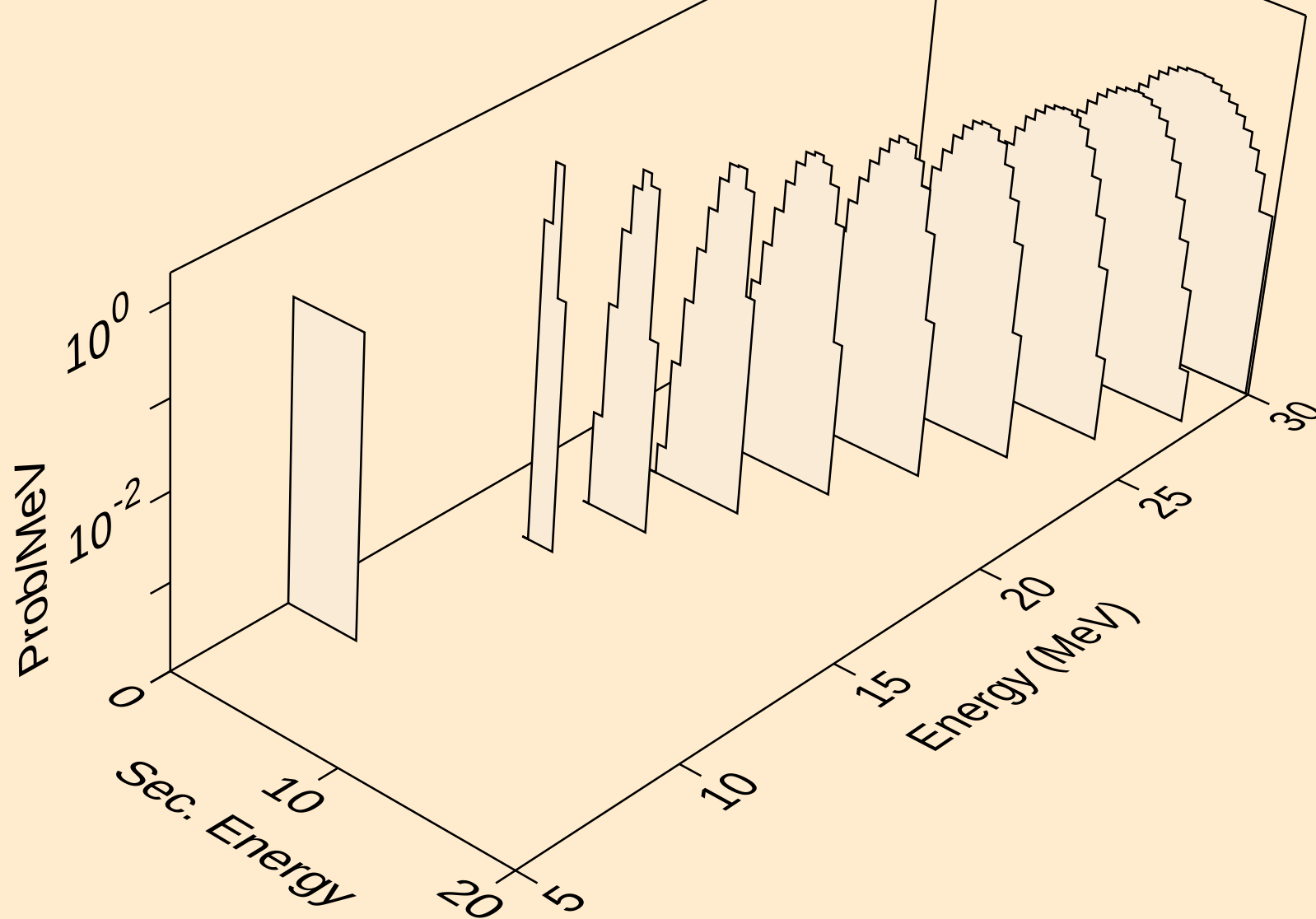
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alphas from (n,x)



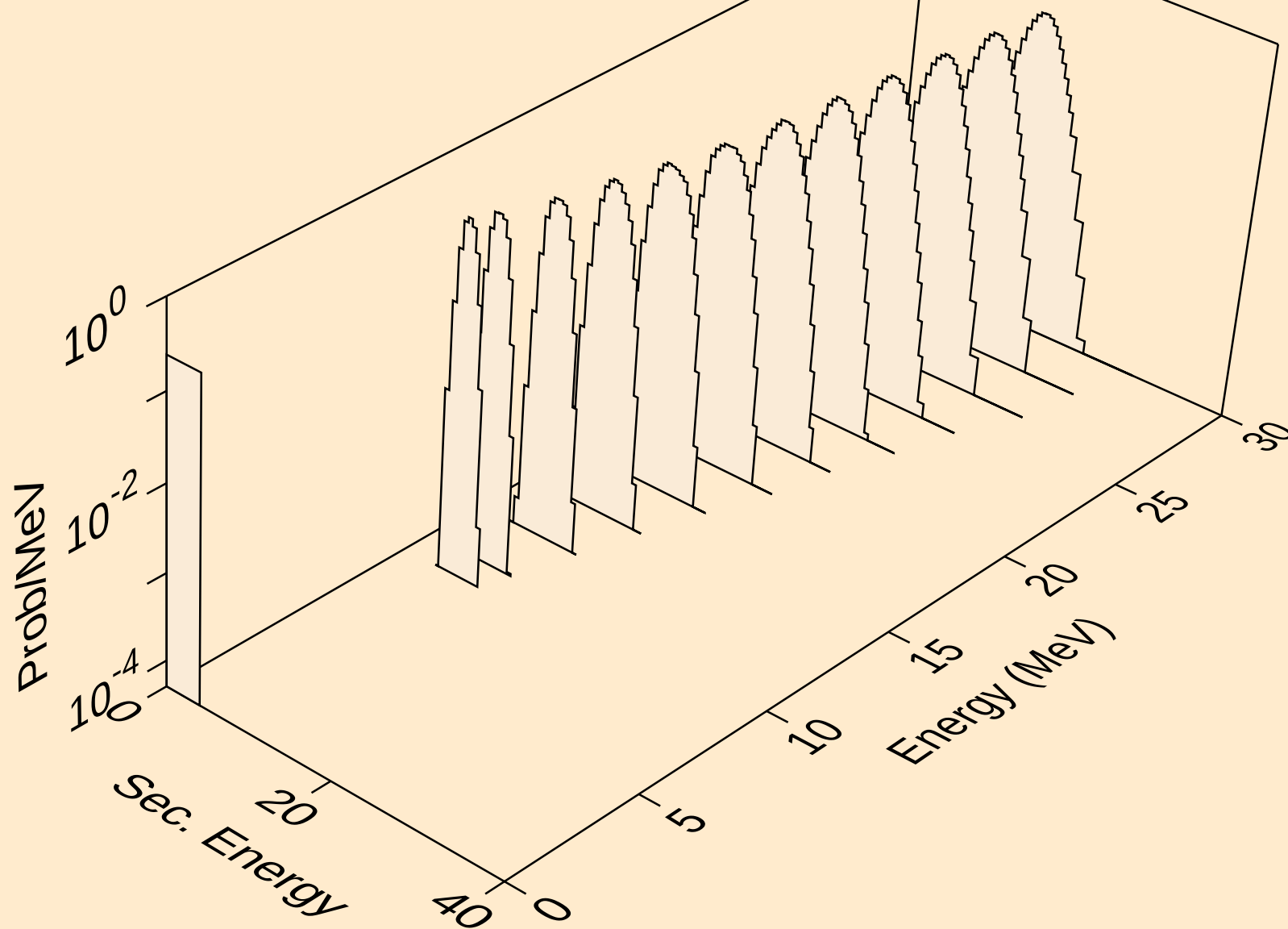
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alphas from (n,n\*)a



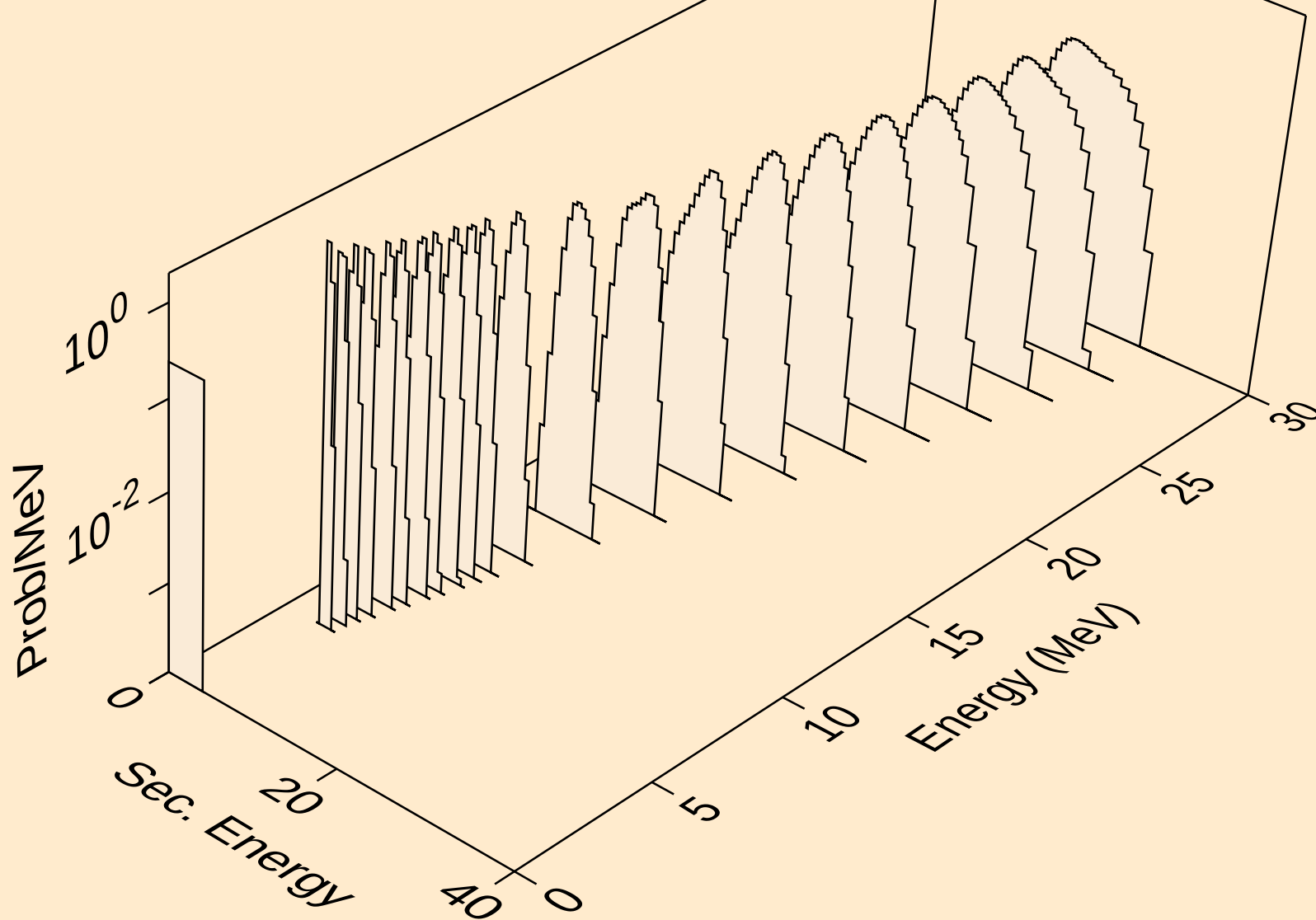
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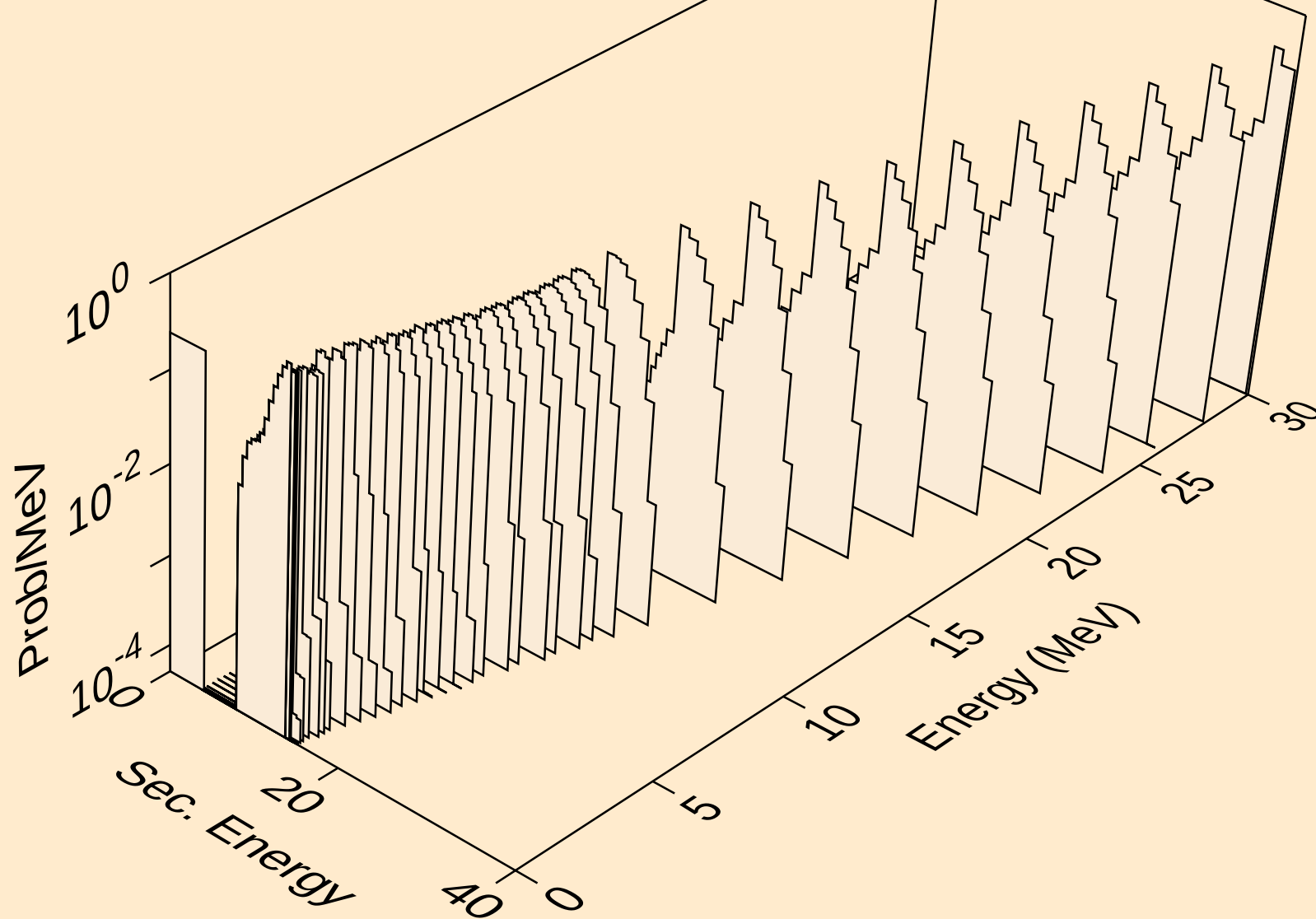
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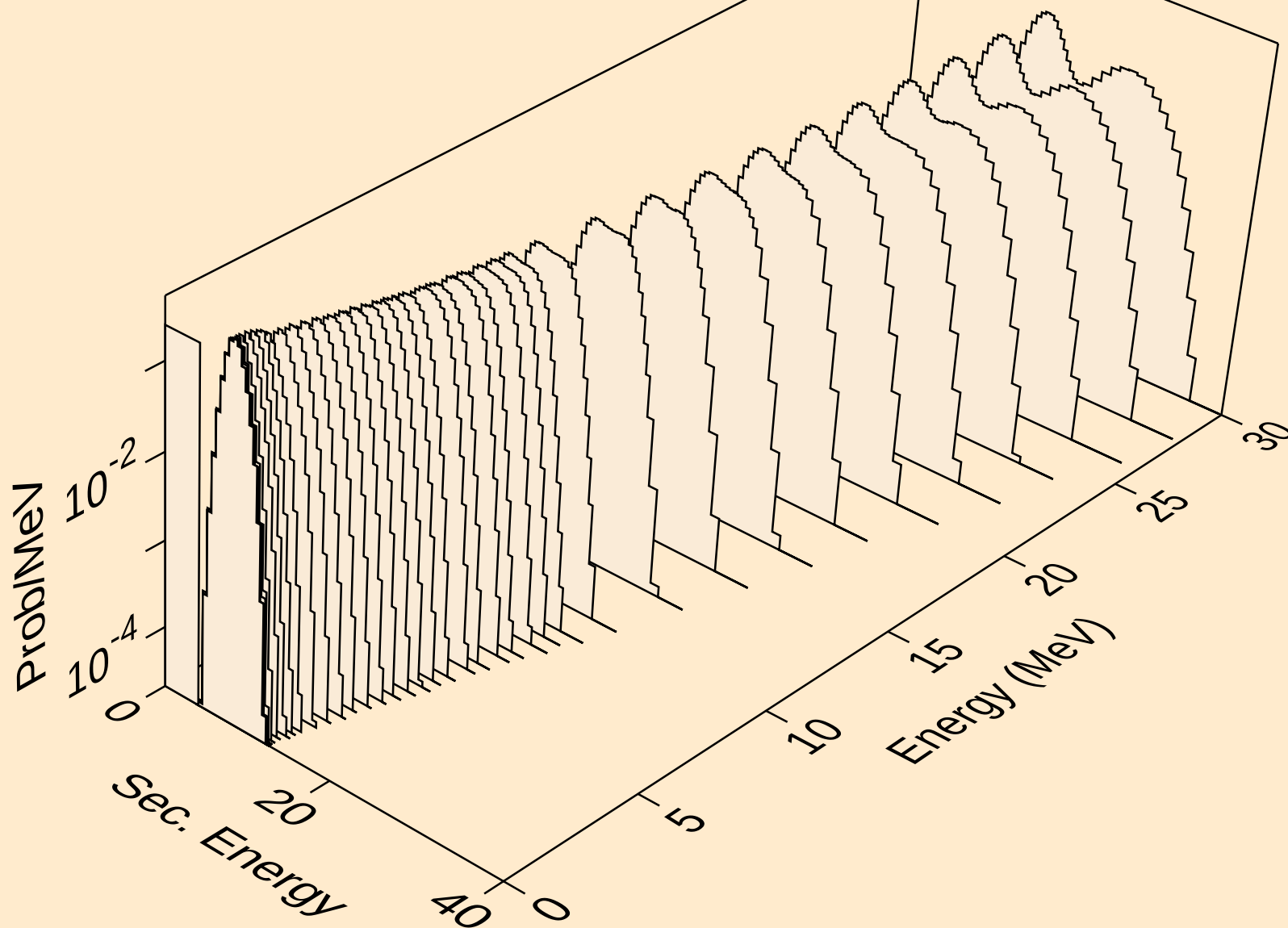
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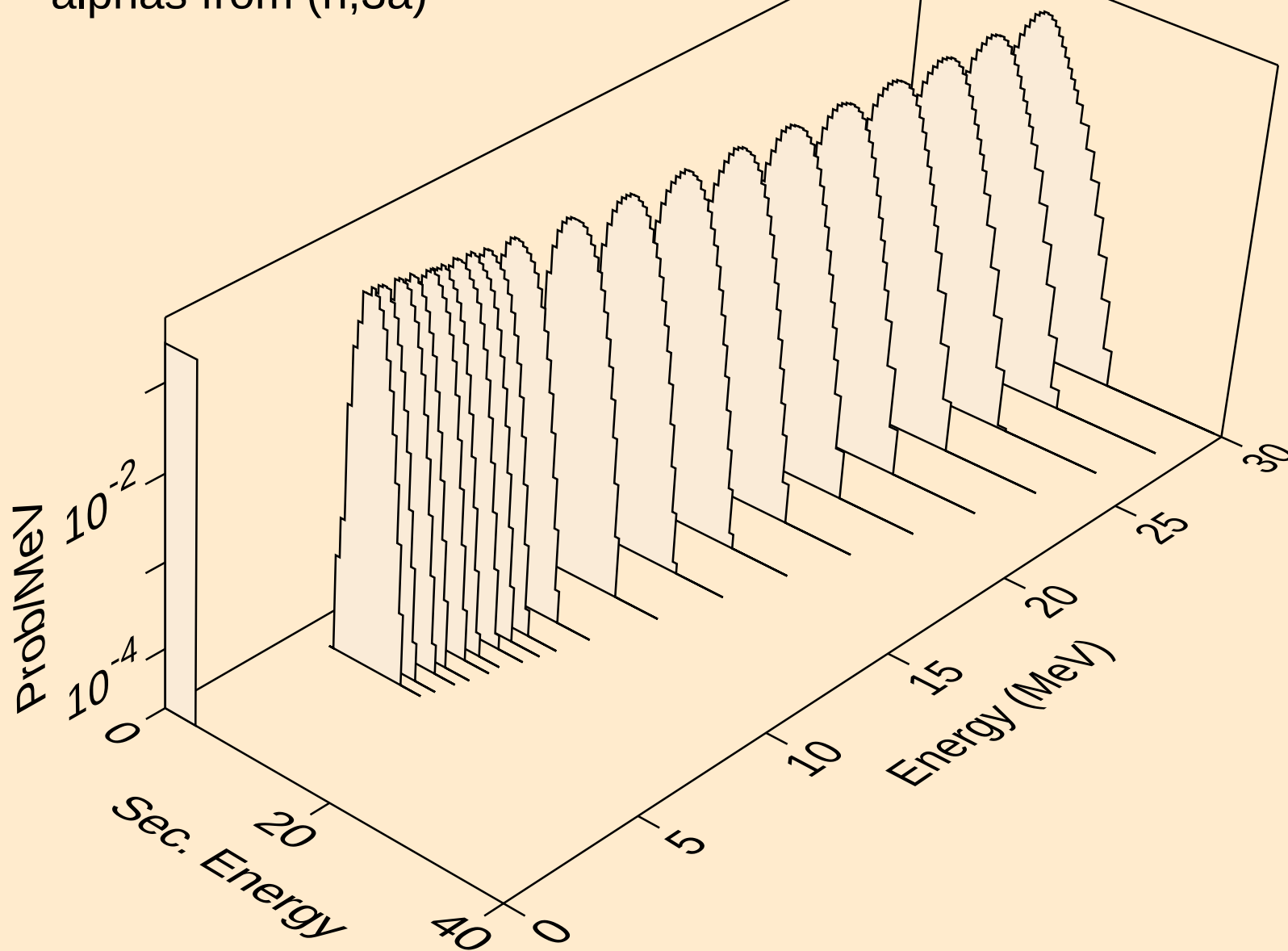
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alphas from (n,a)



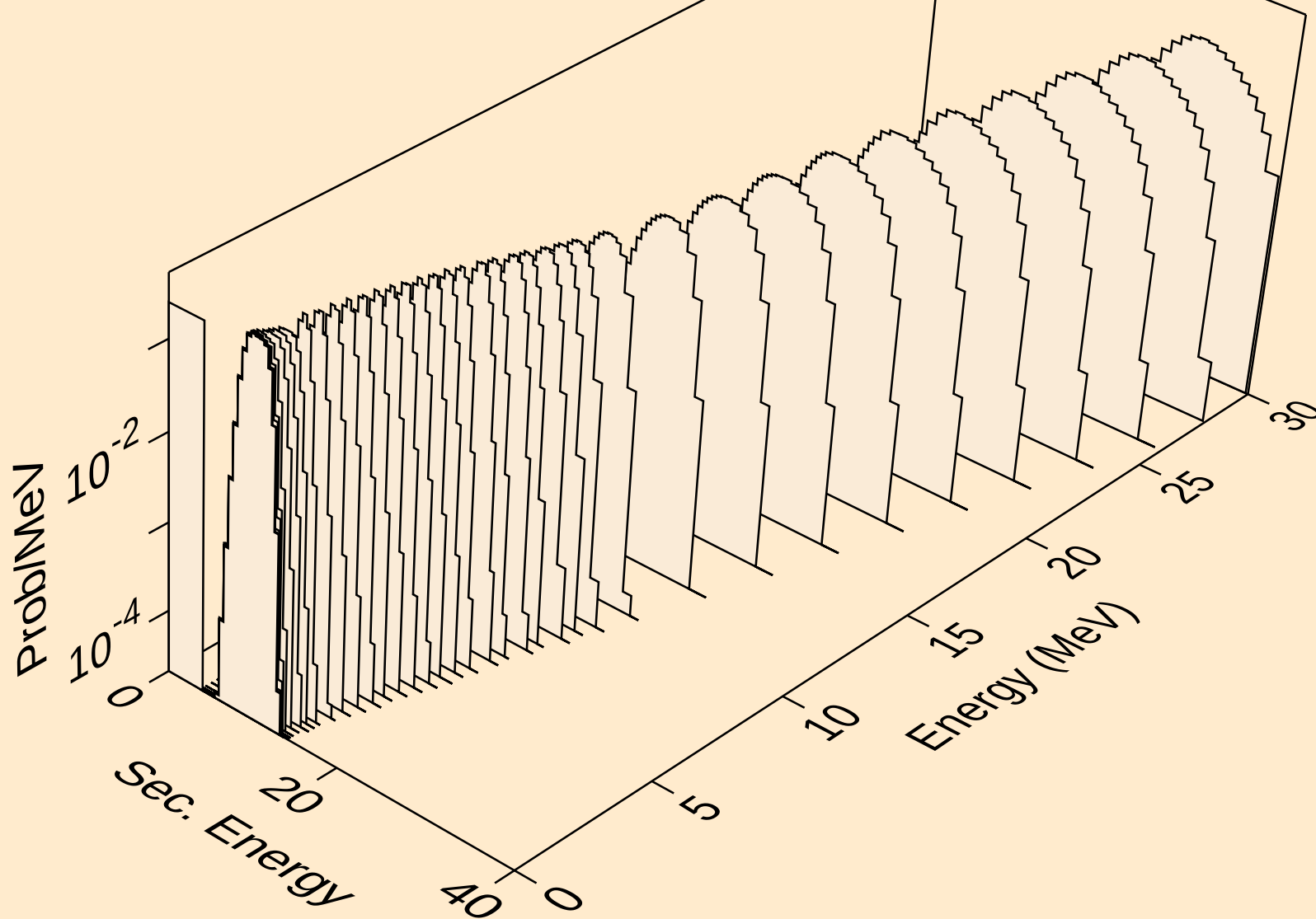
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alphas from (n,2a)



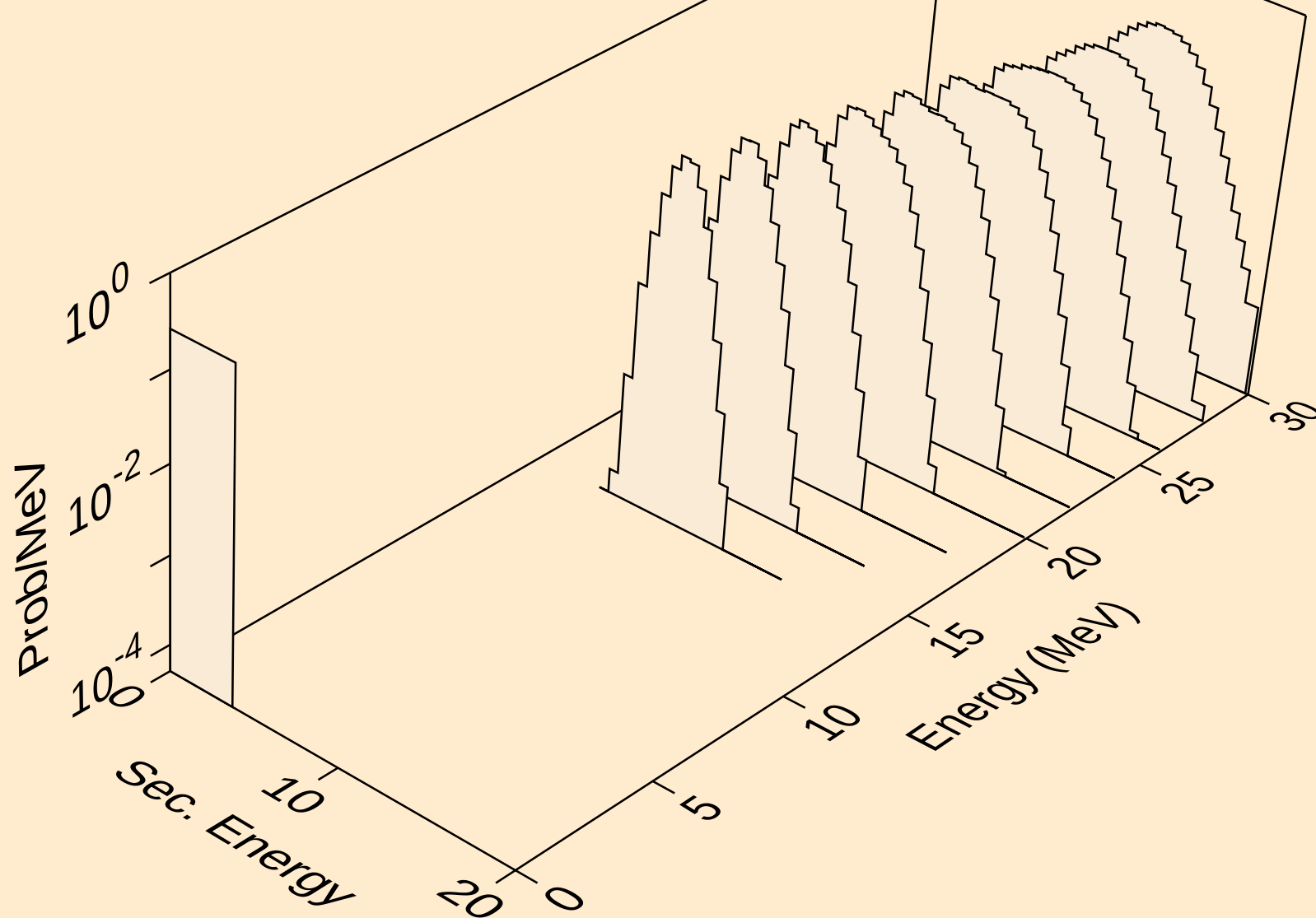
PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



PM128 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

