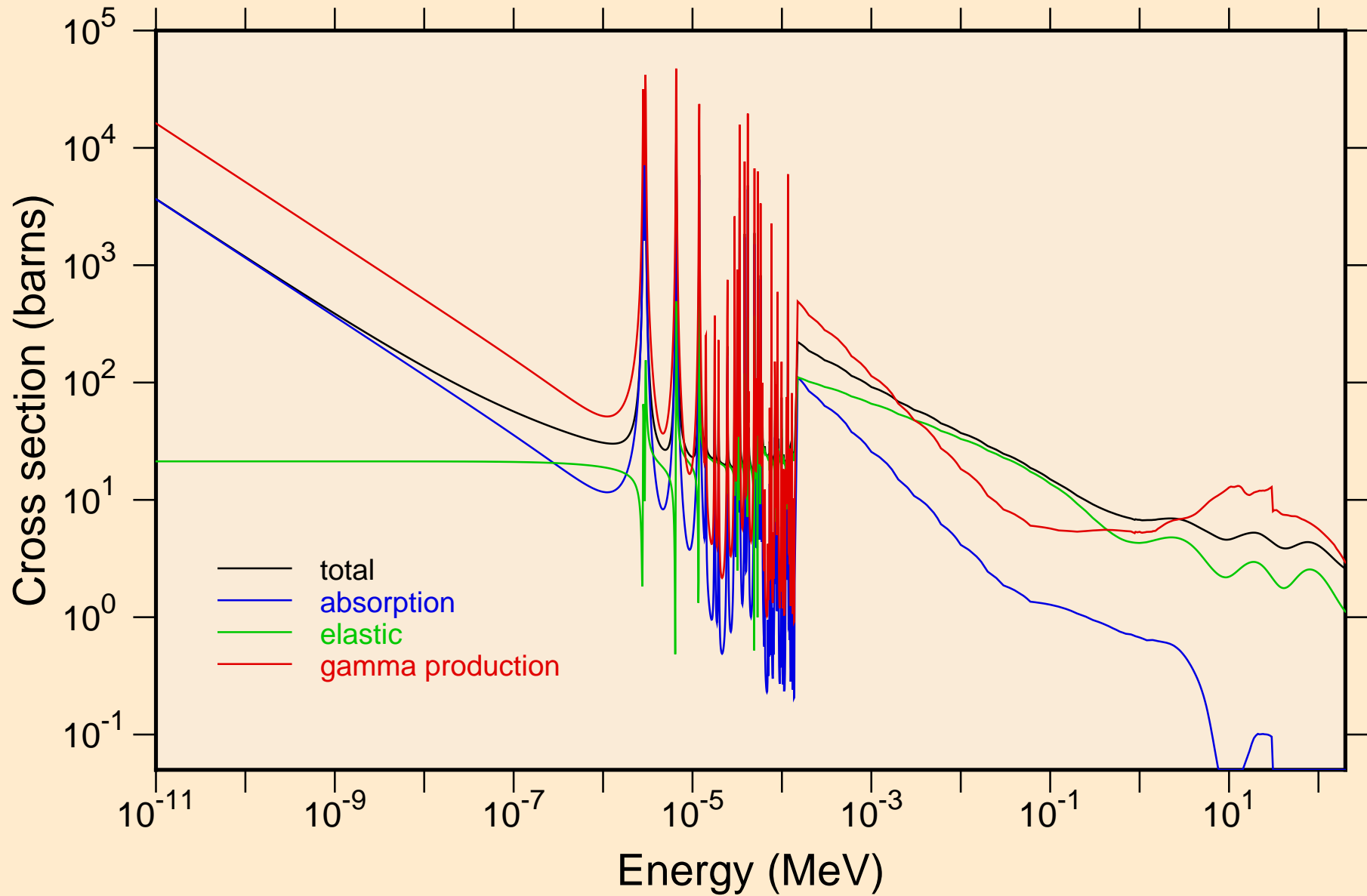
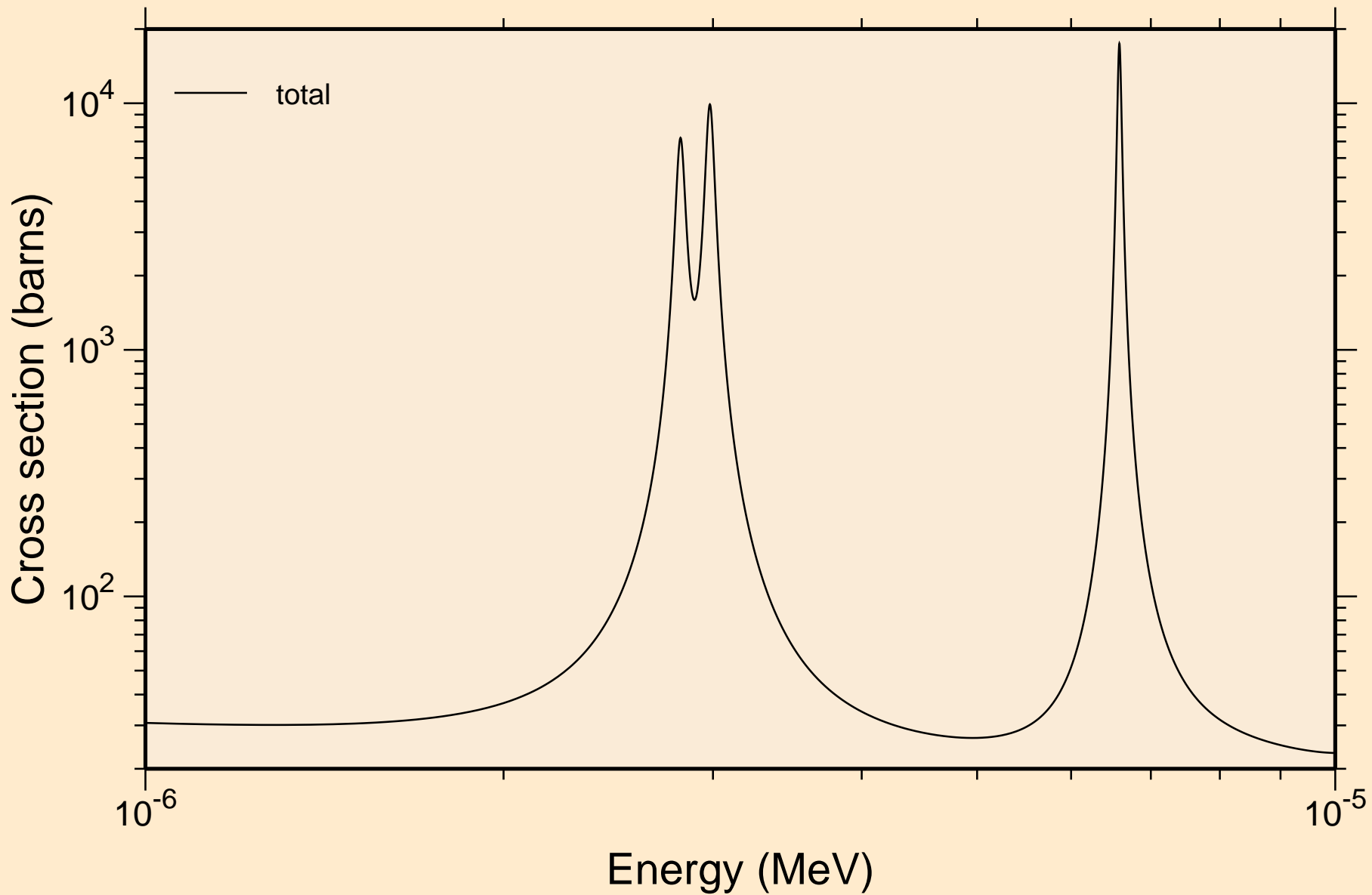


# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

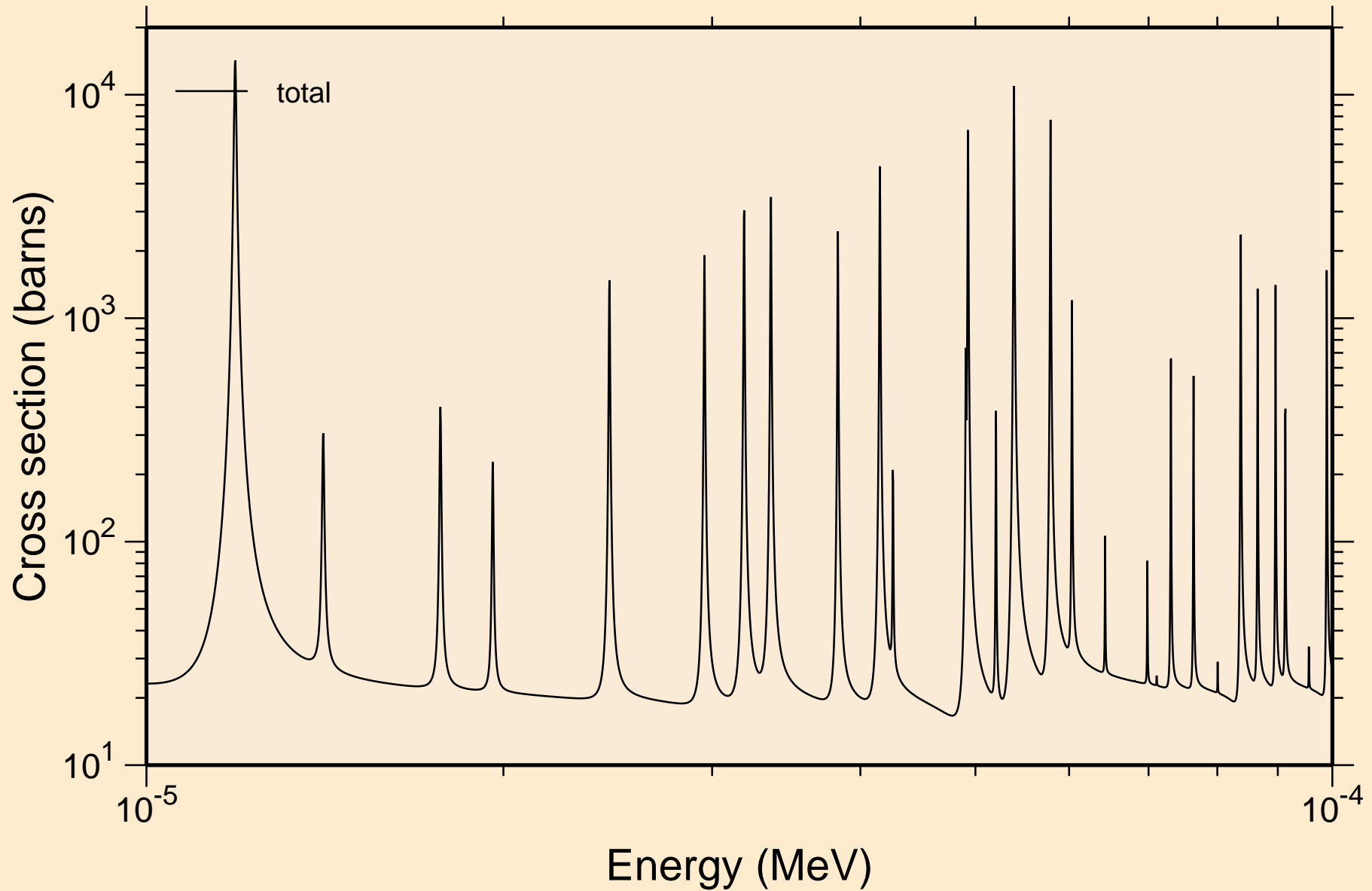
## Principal cross sections



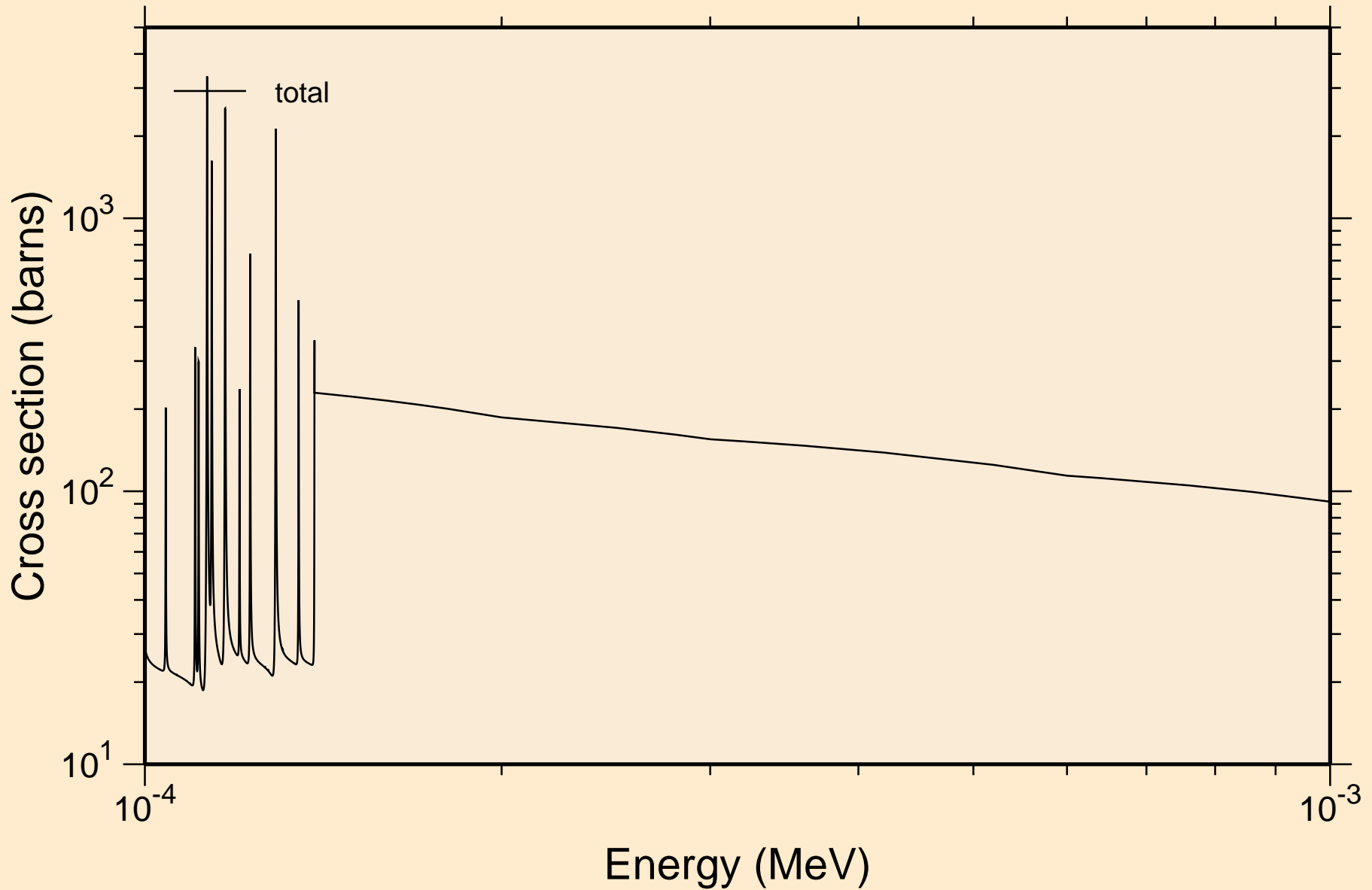
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



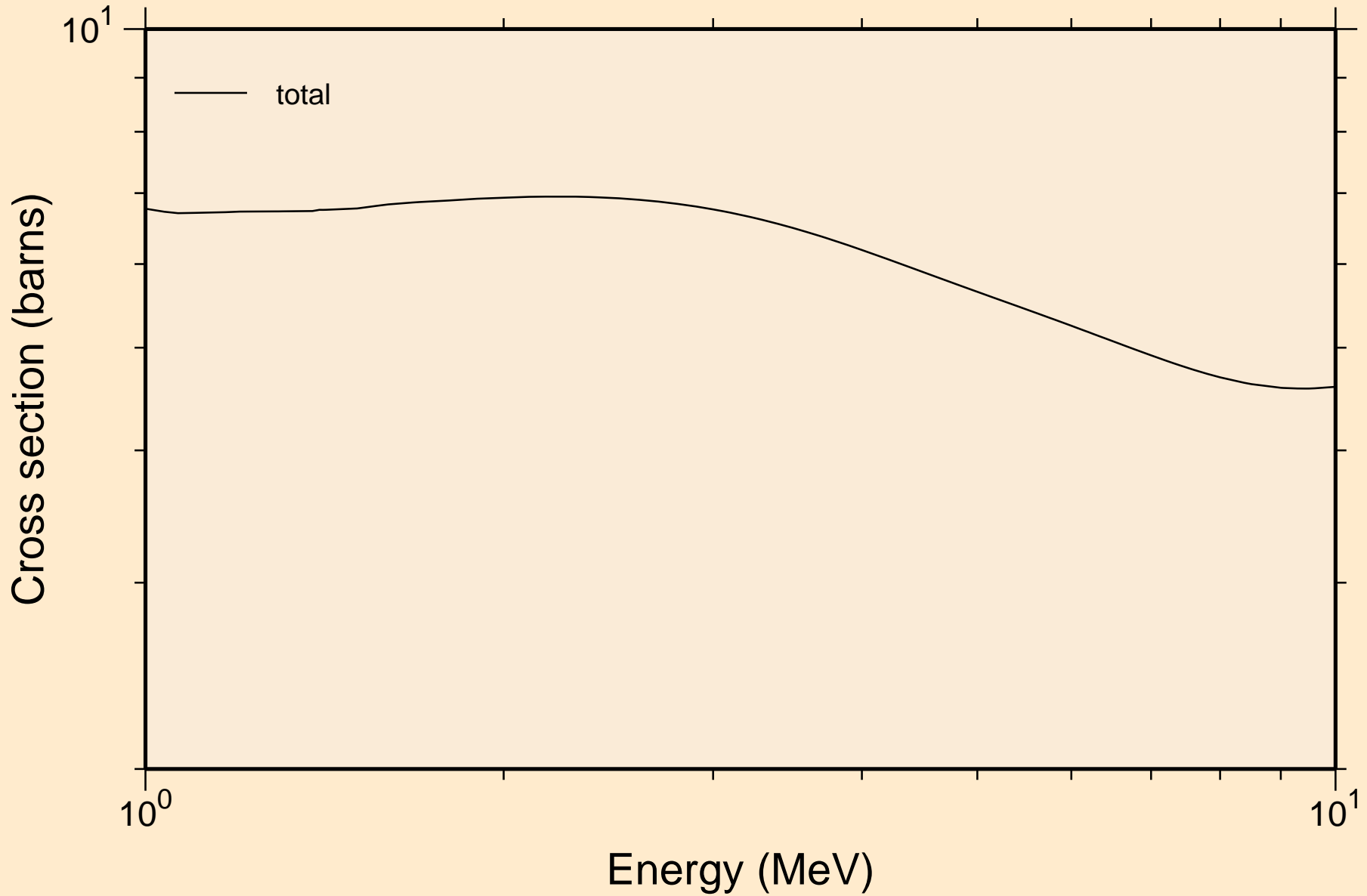
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resonance total cross section



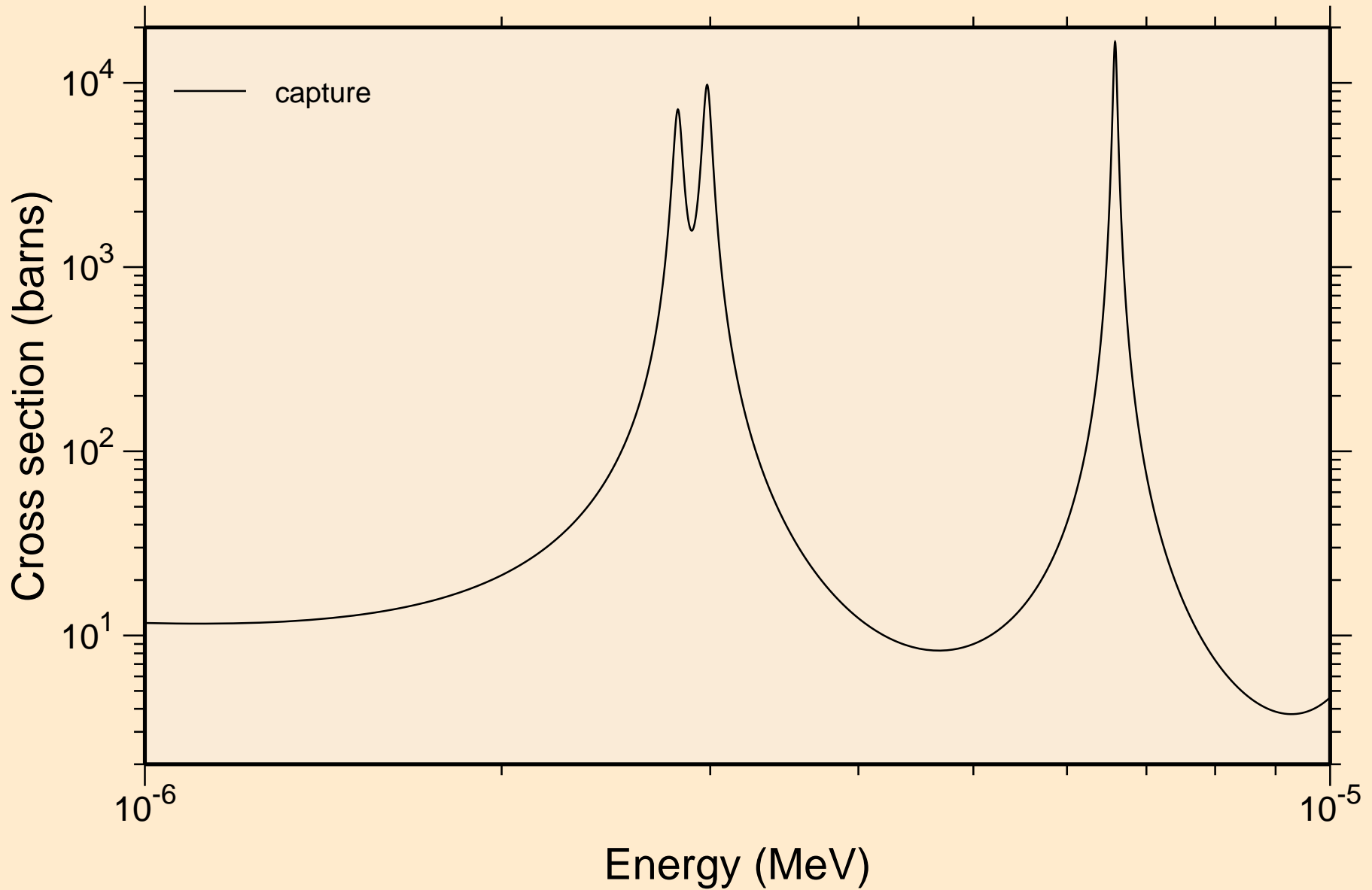
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resonance total cross section



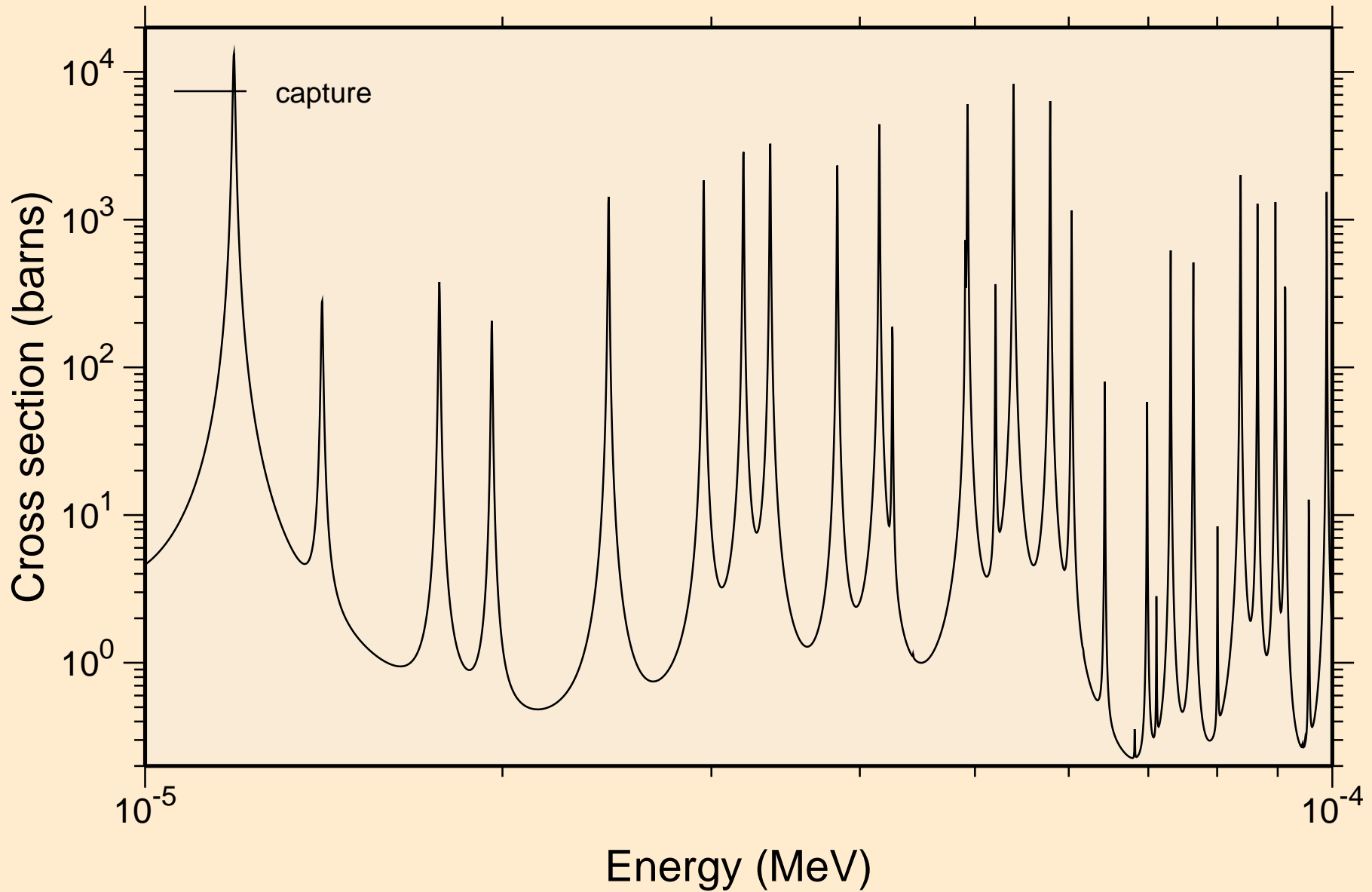
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resonance total cross section



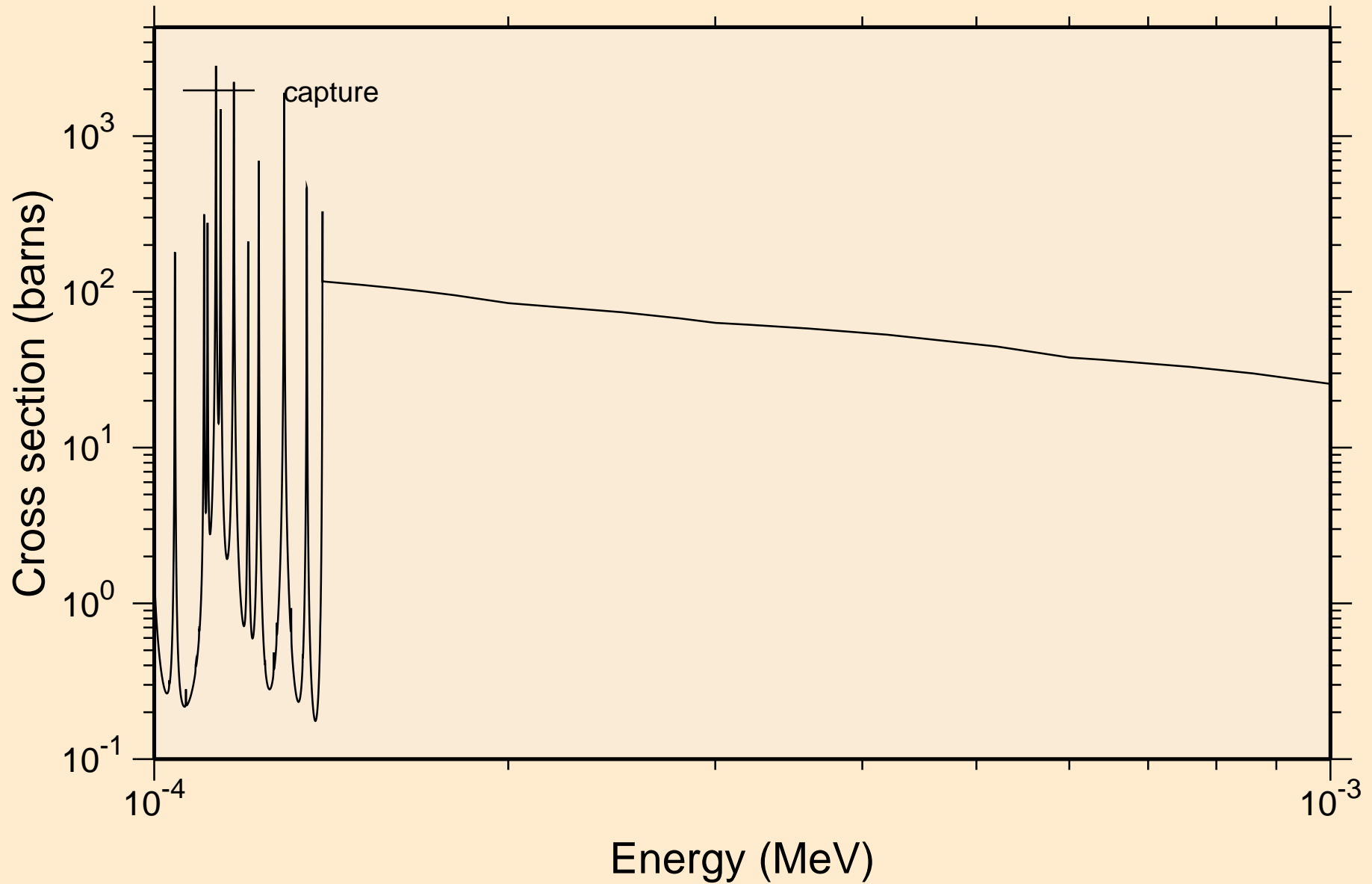
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

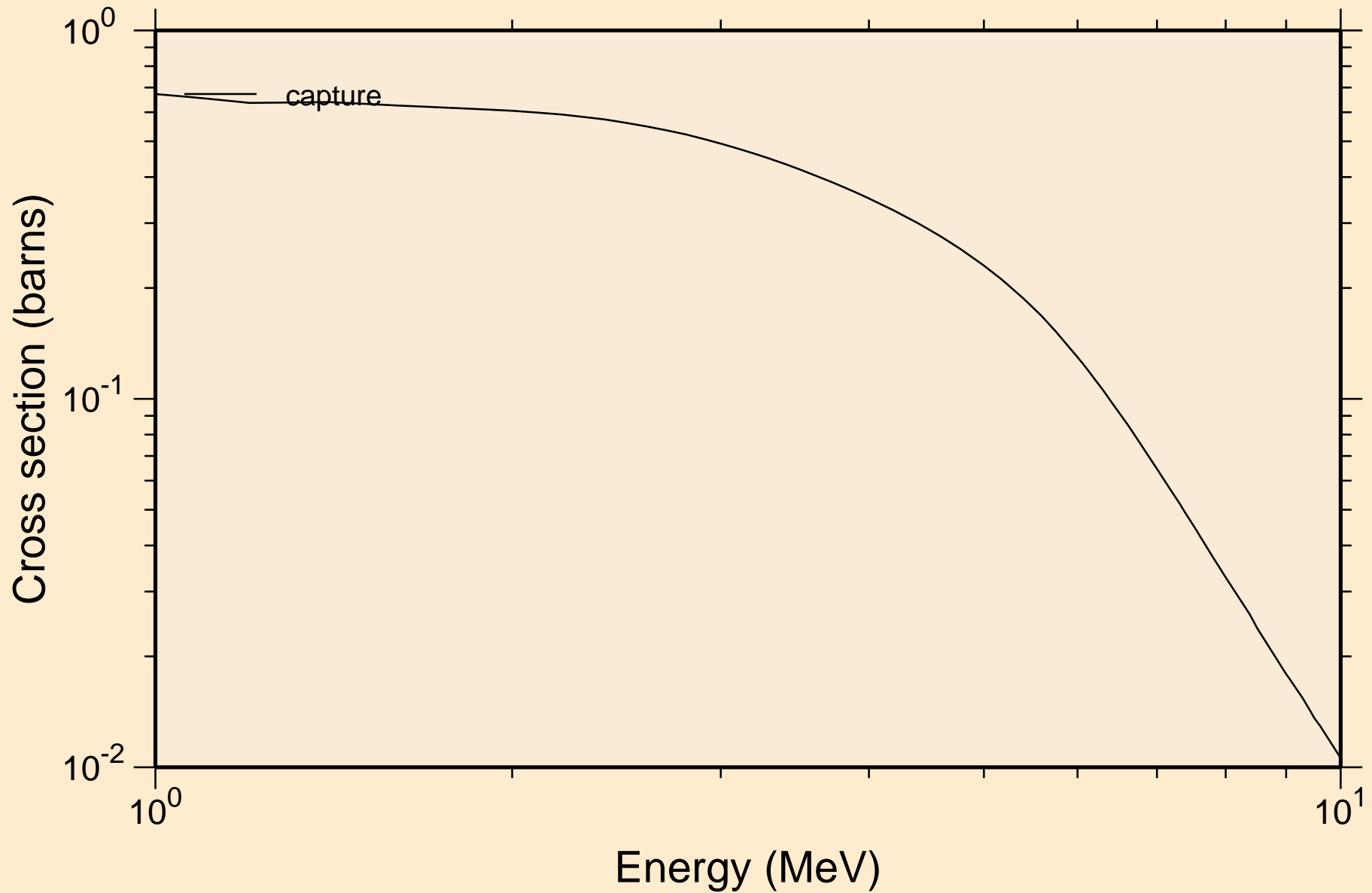


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

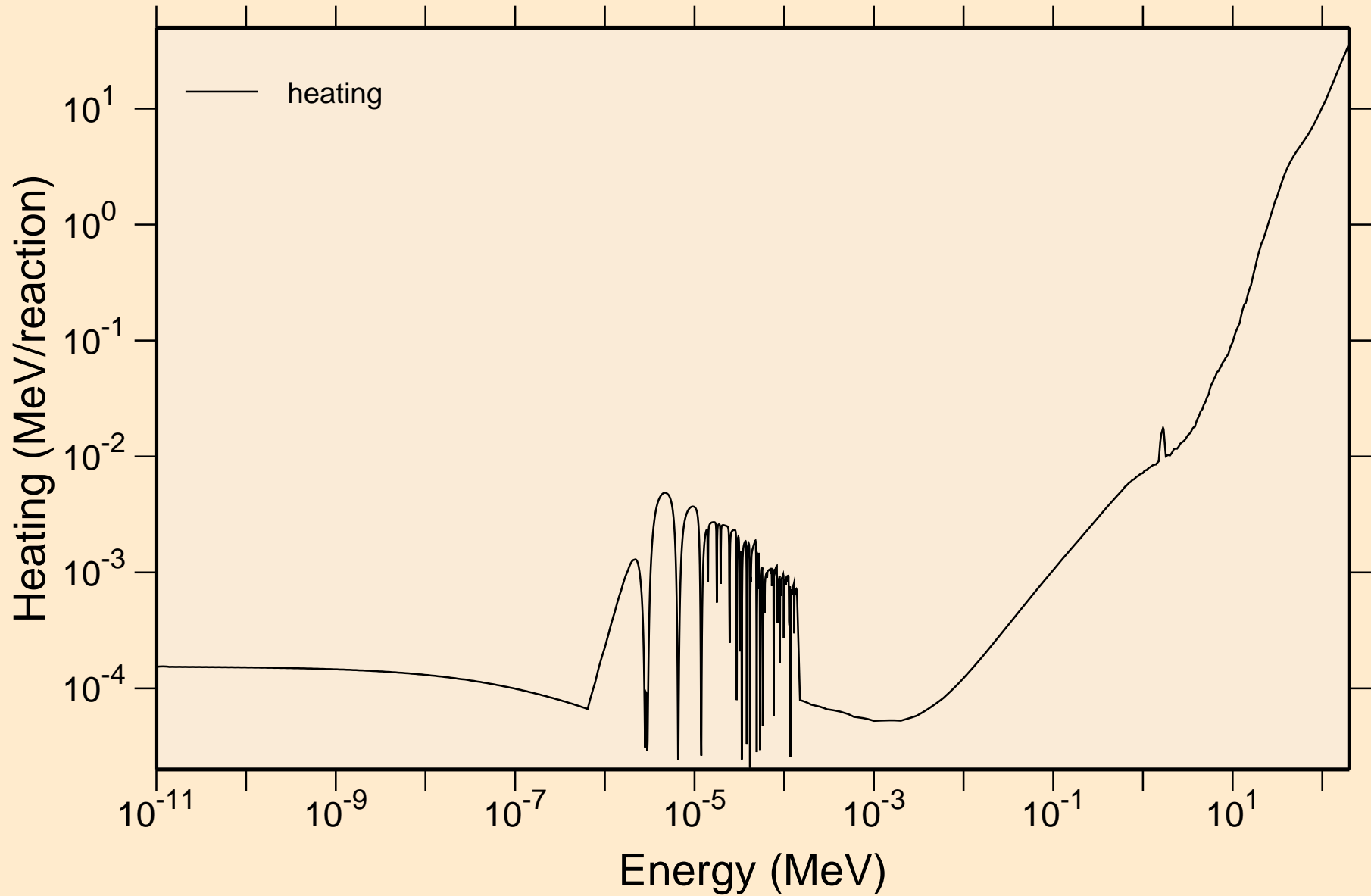




HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

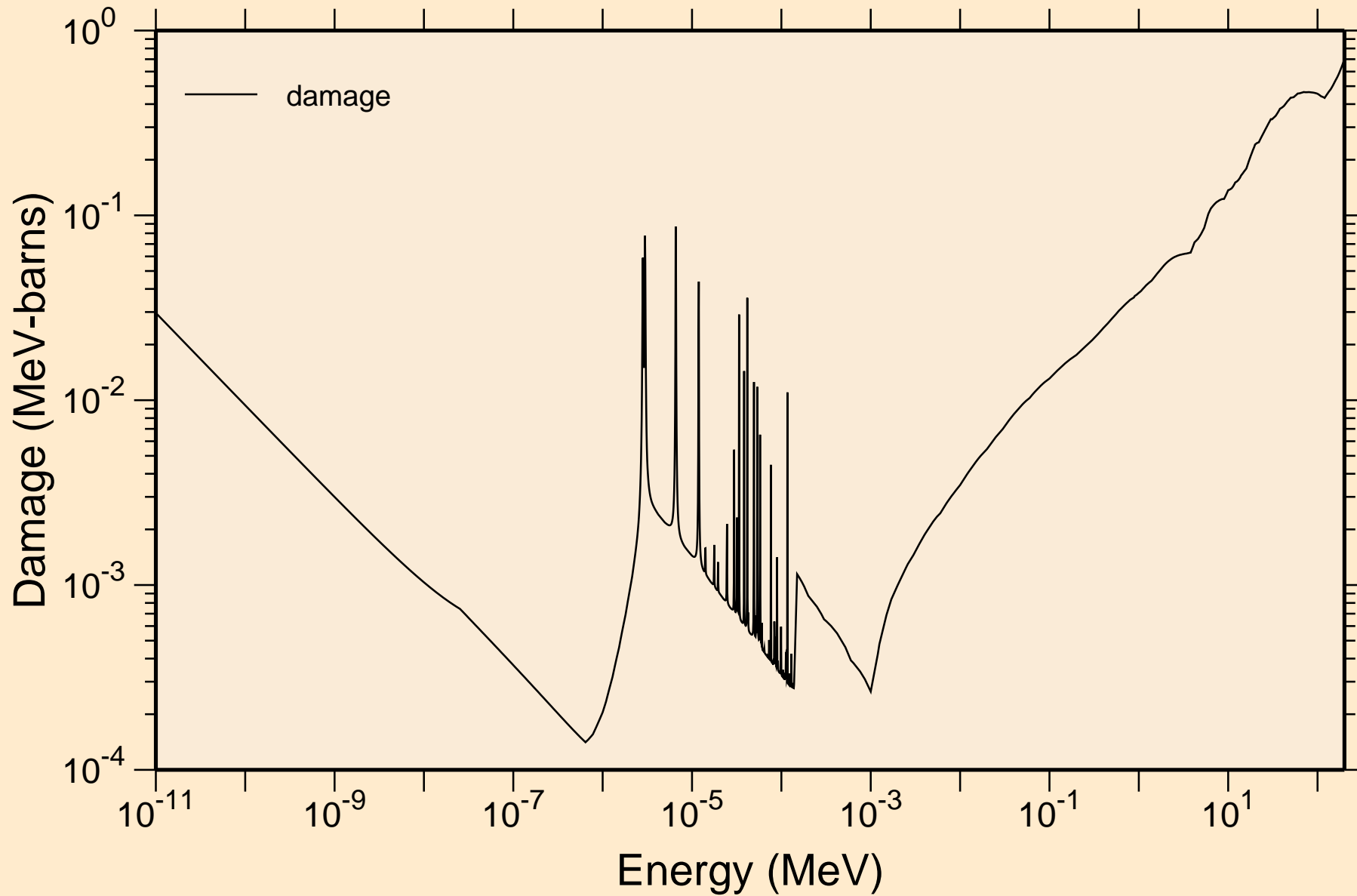


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



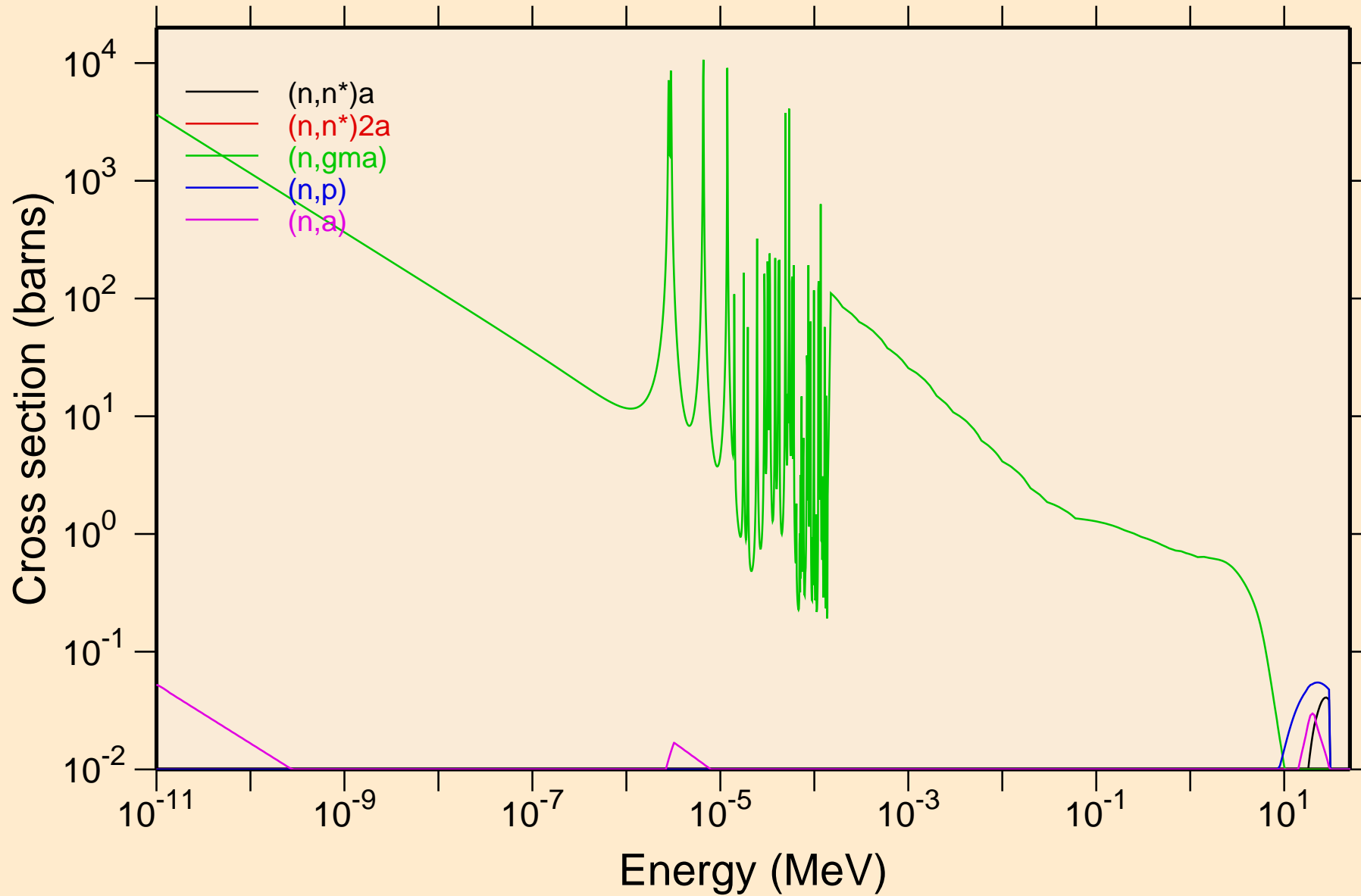
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## Damage



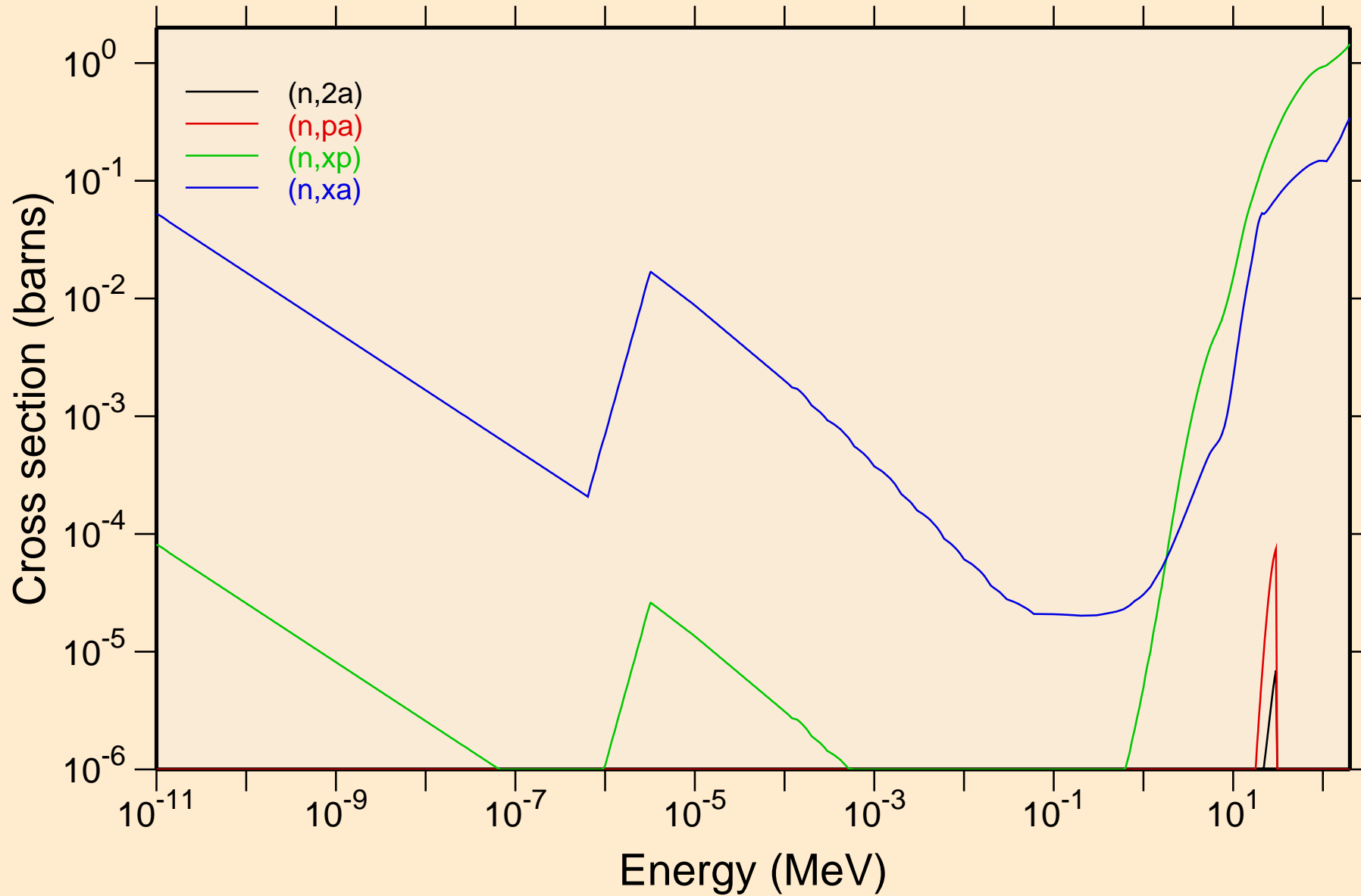
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



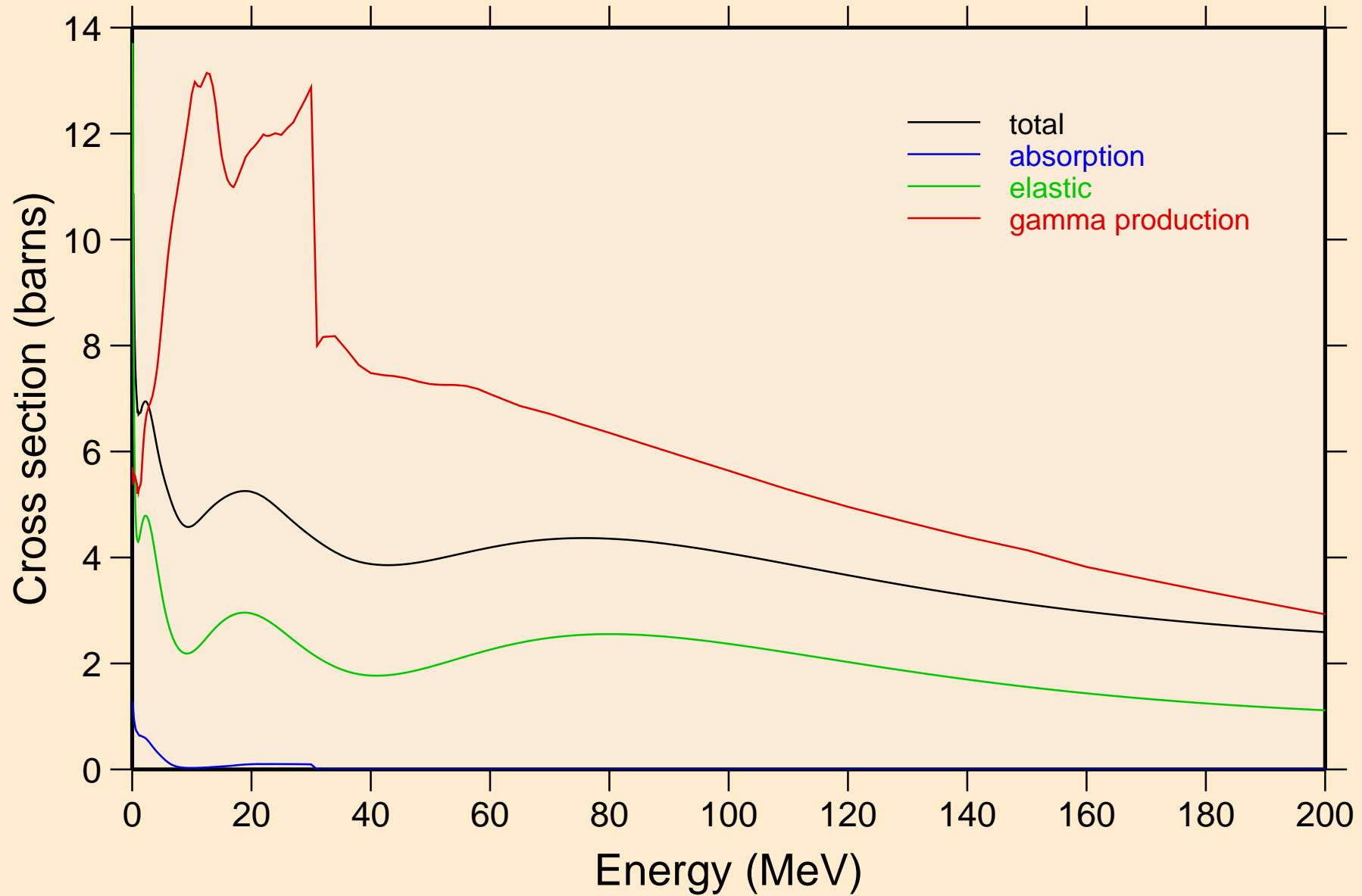
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## Non-threshold reactions



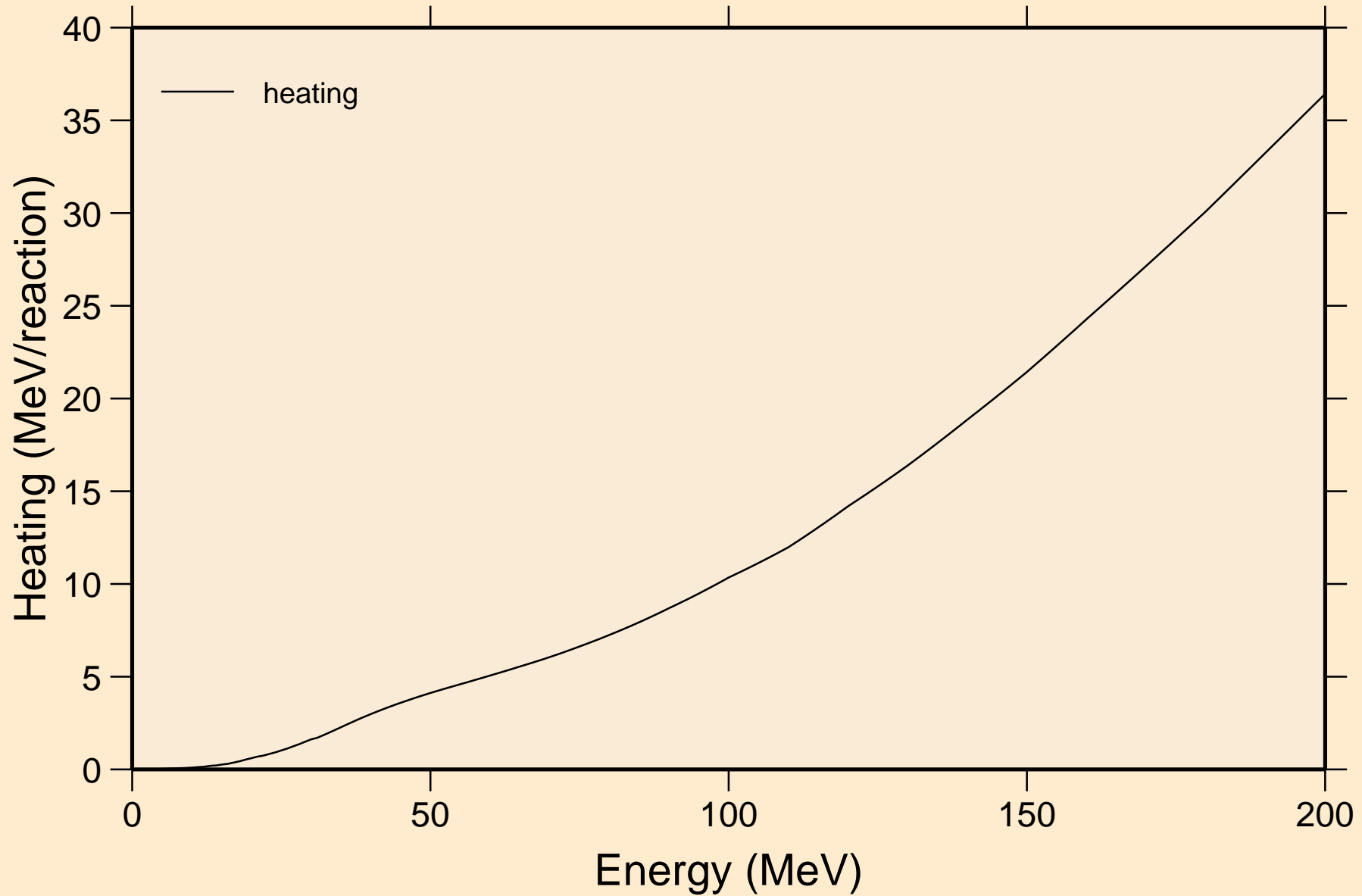
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



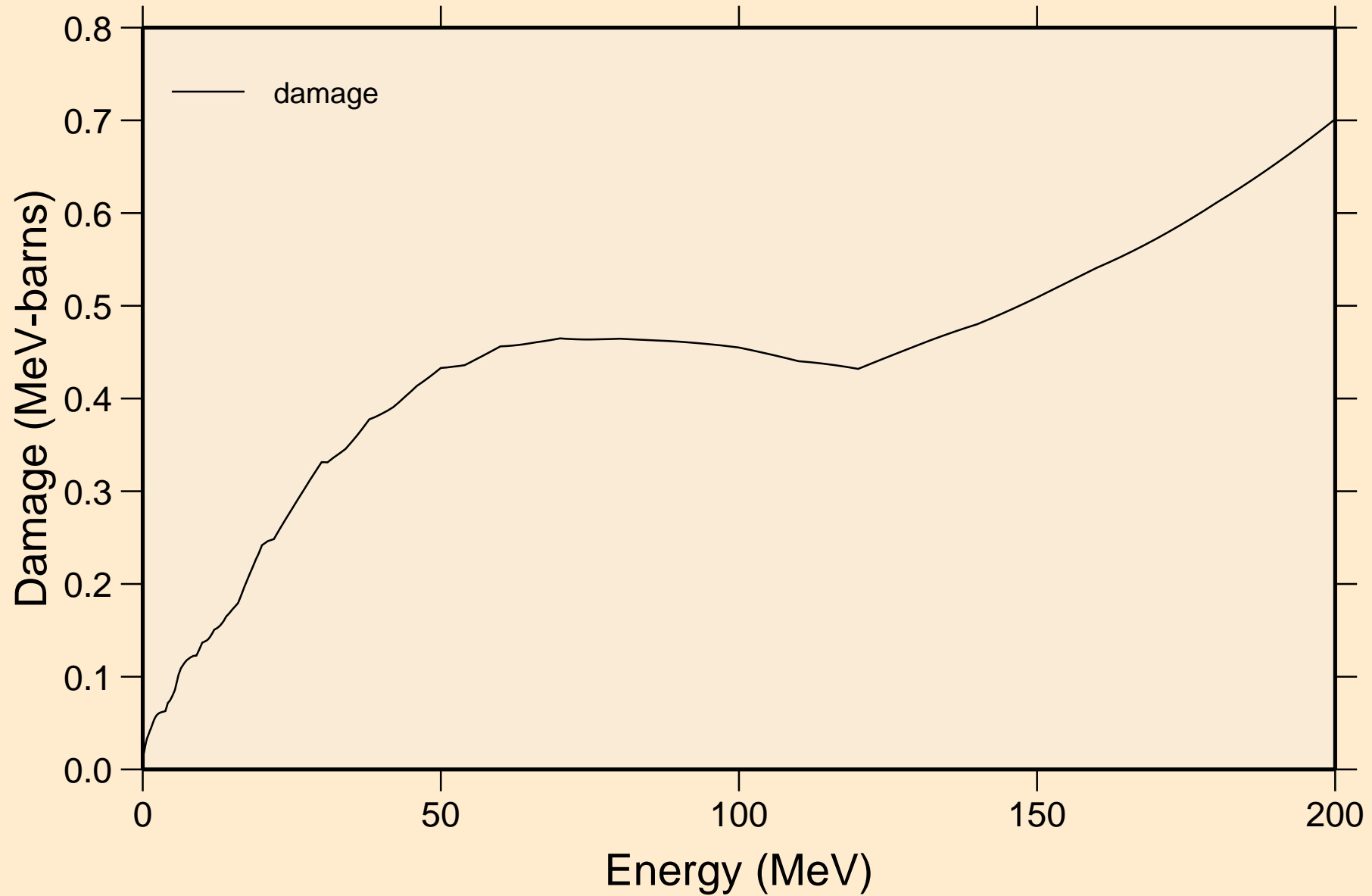
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

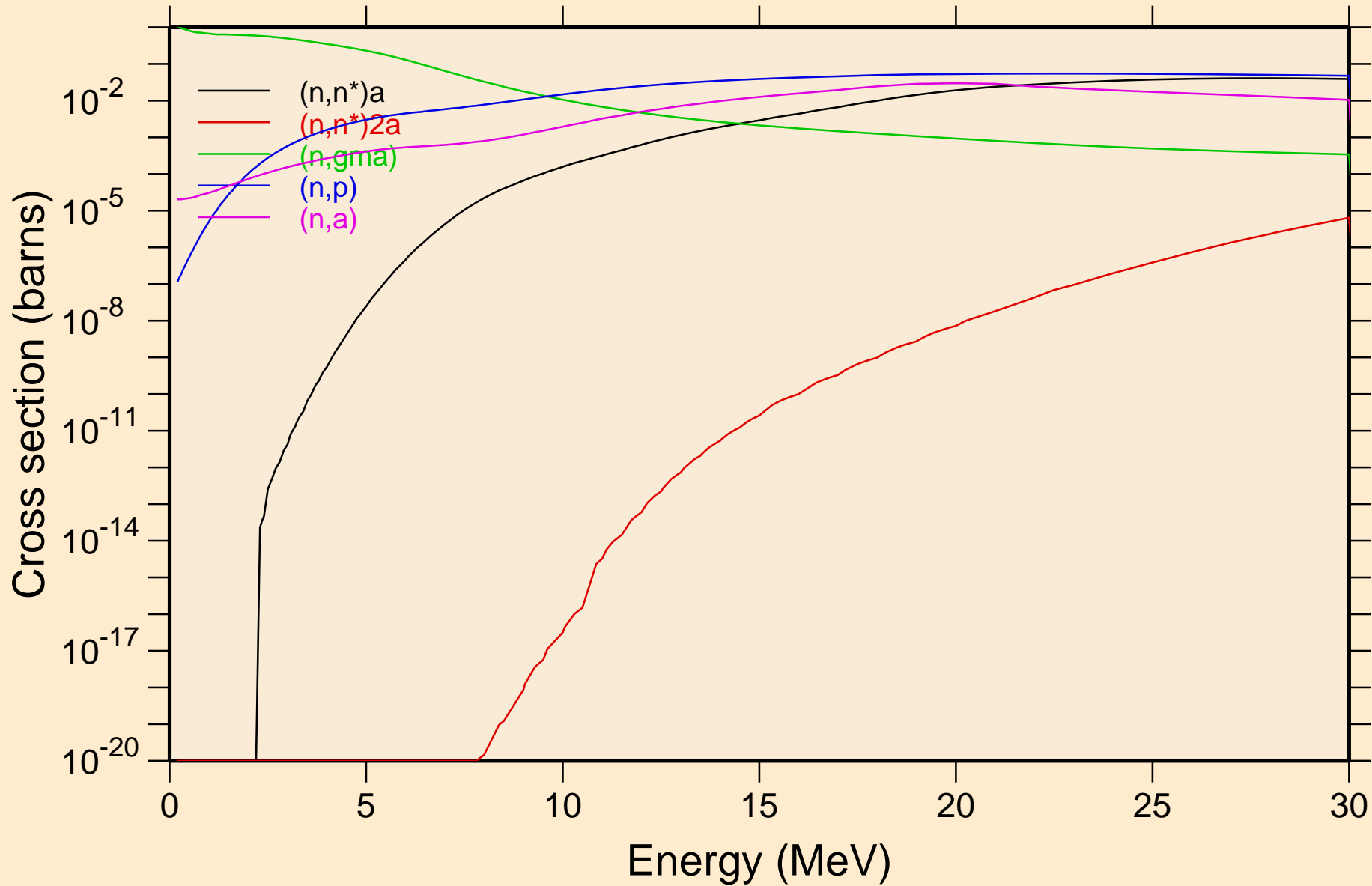
## Damage





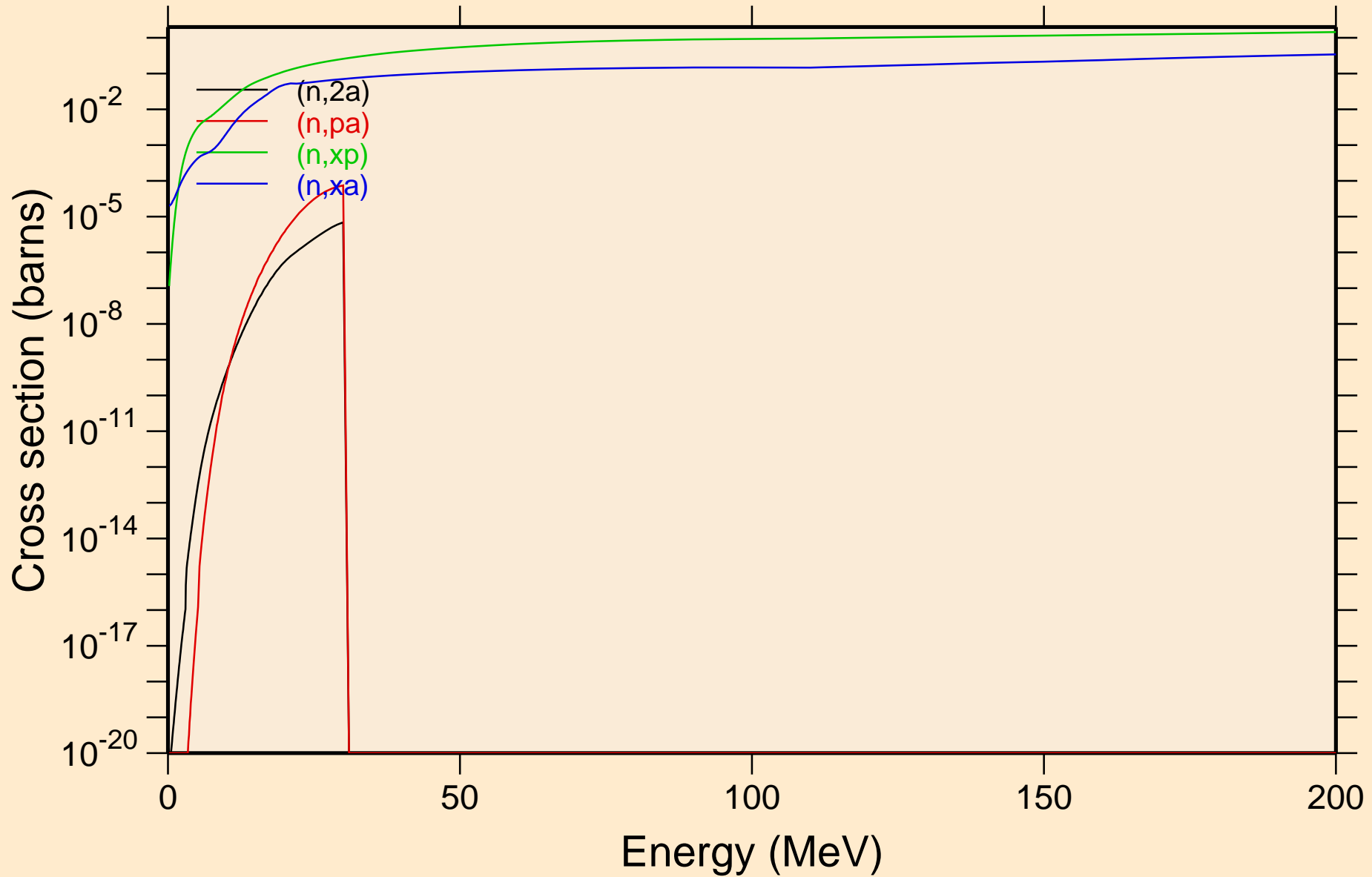
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## Non-threshold reactions



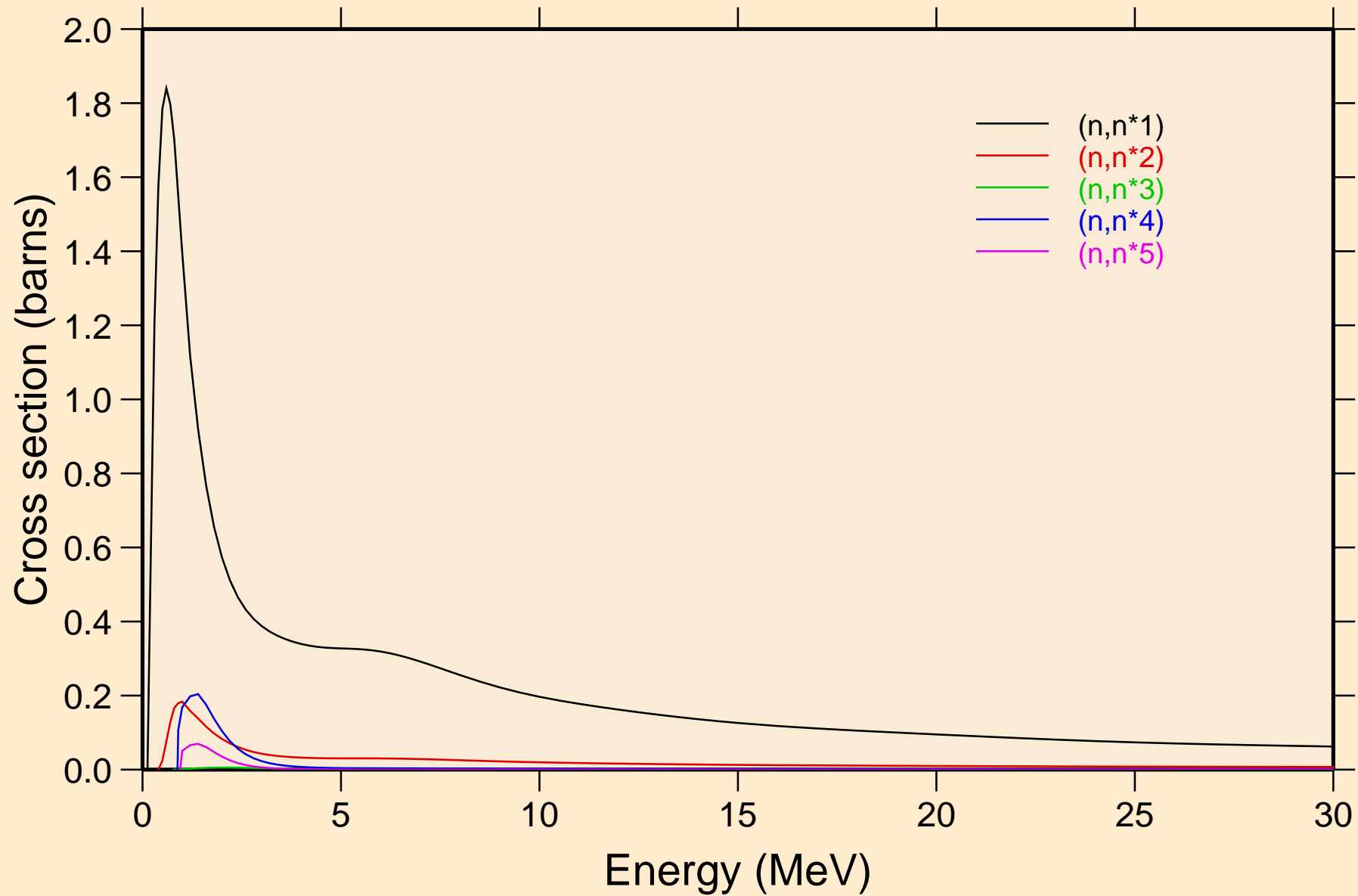
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## Non-threshold reactions



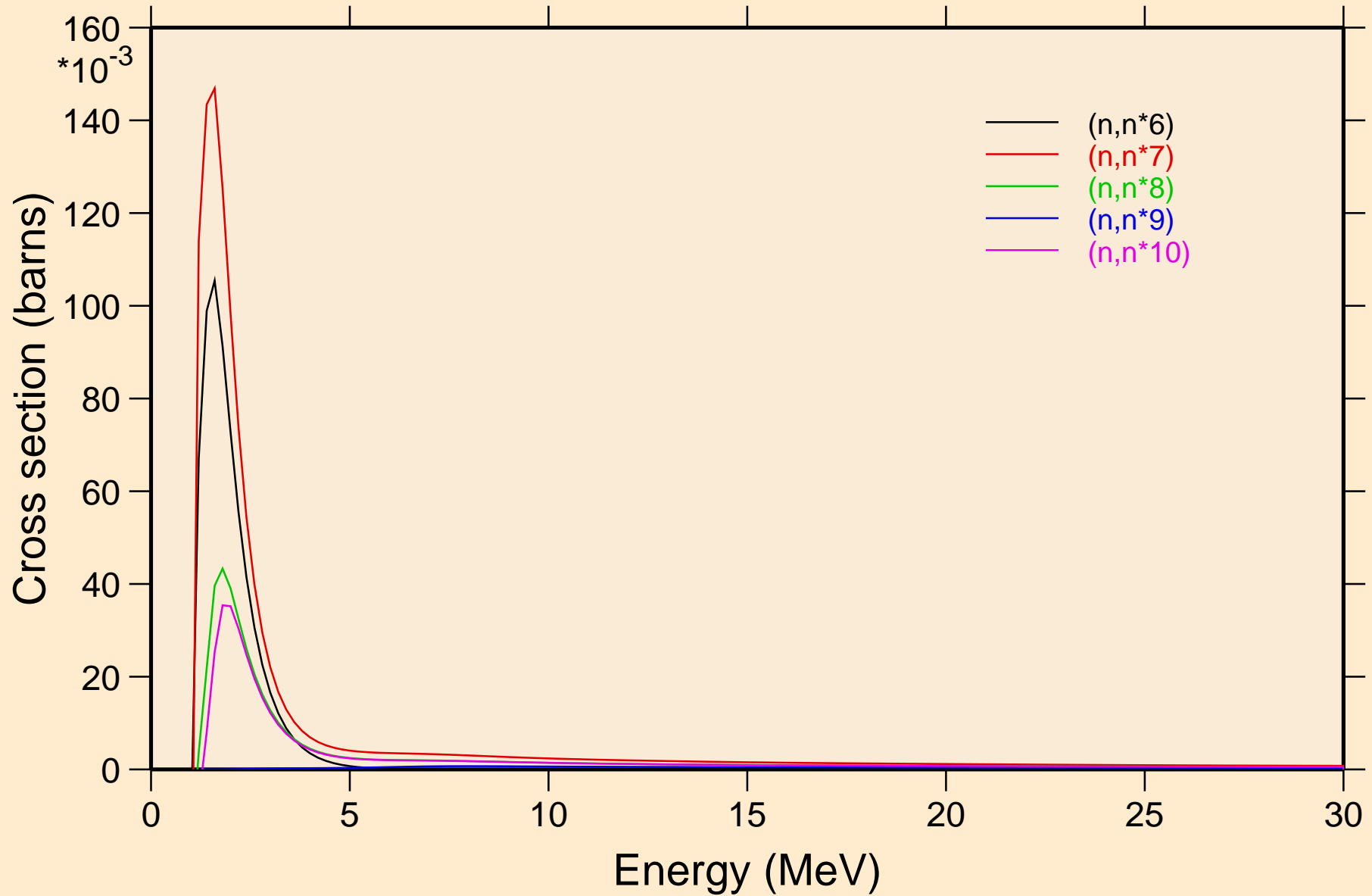
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## Inelastic levels



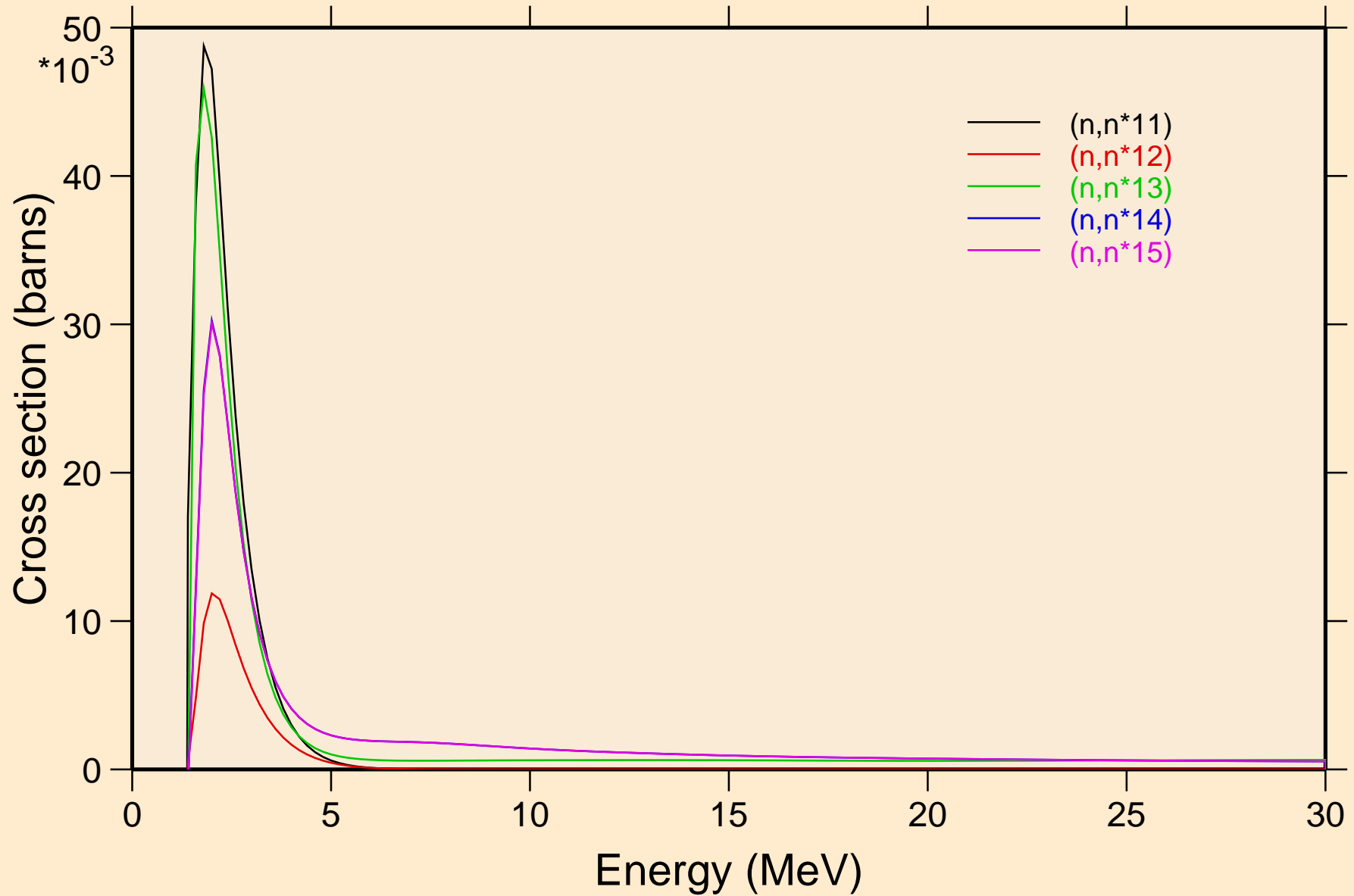
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

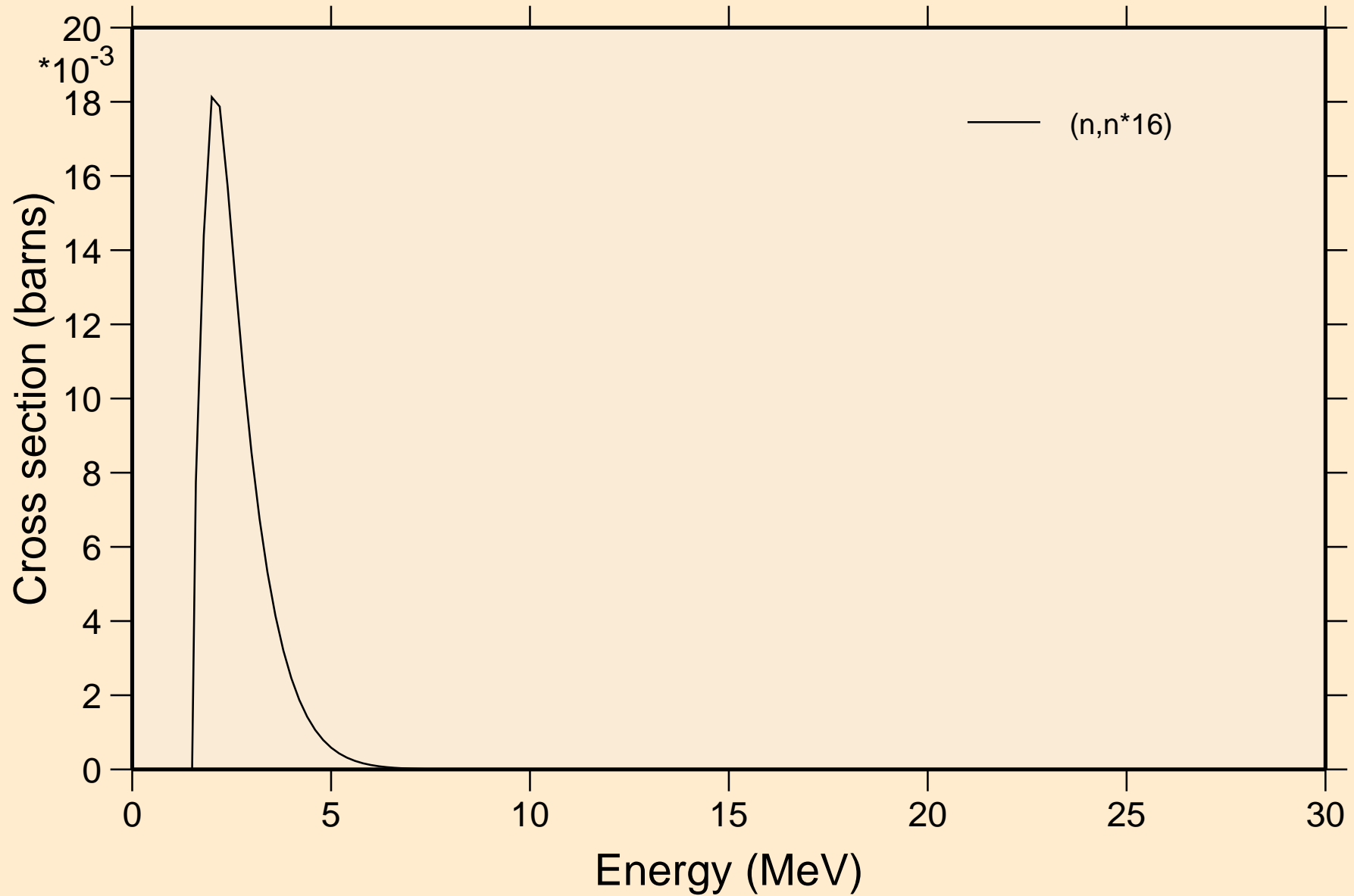


# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

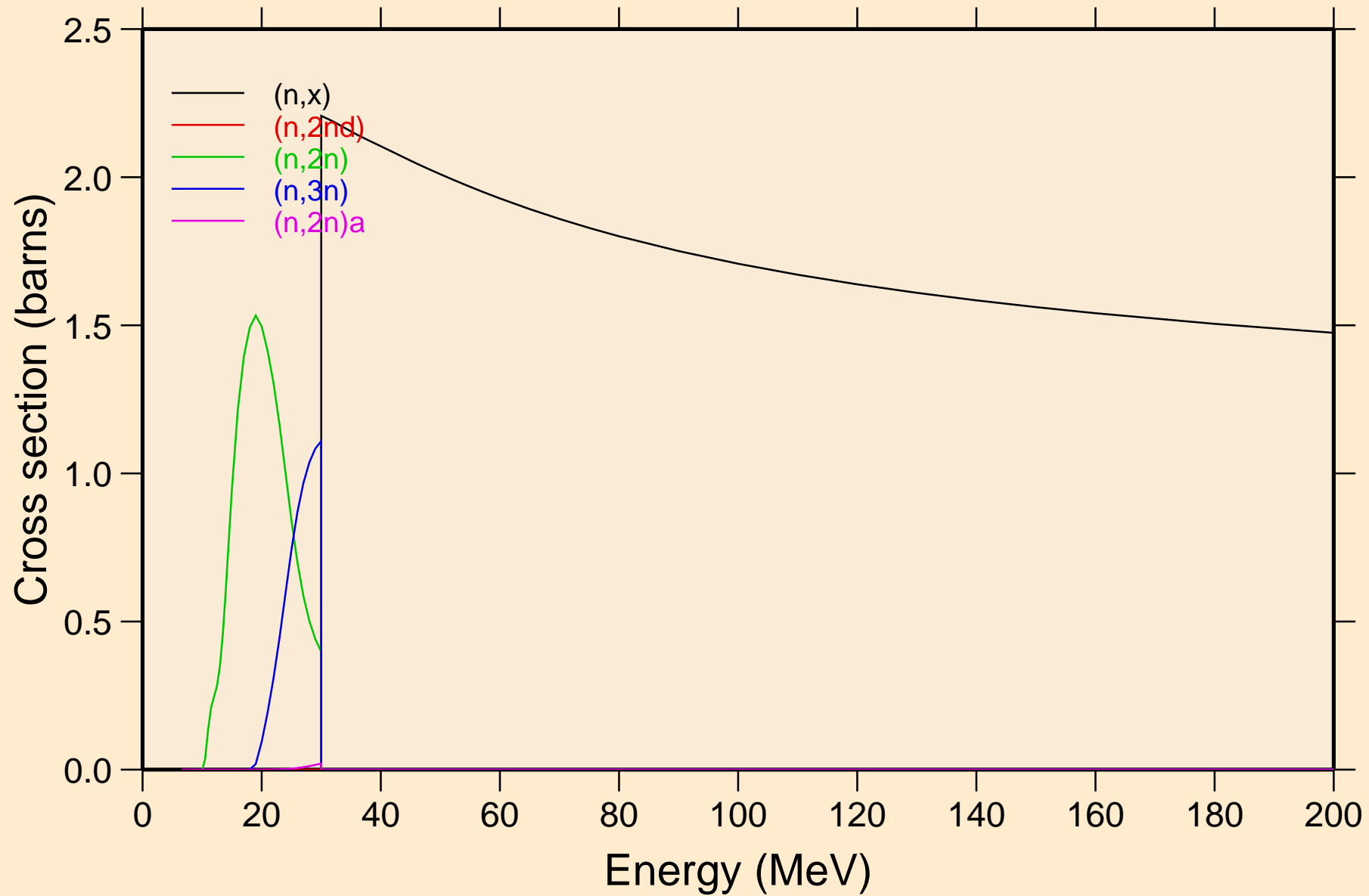


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



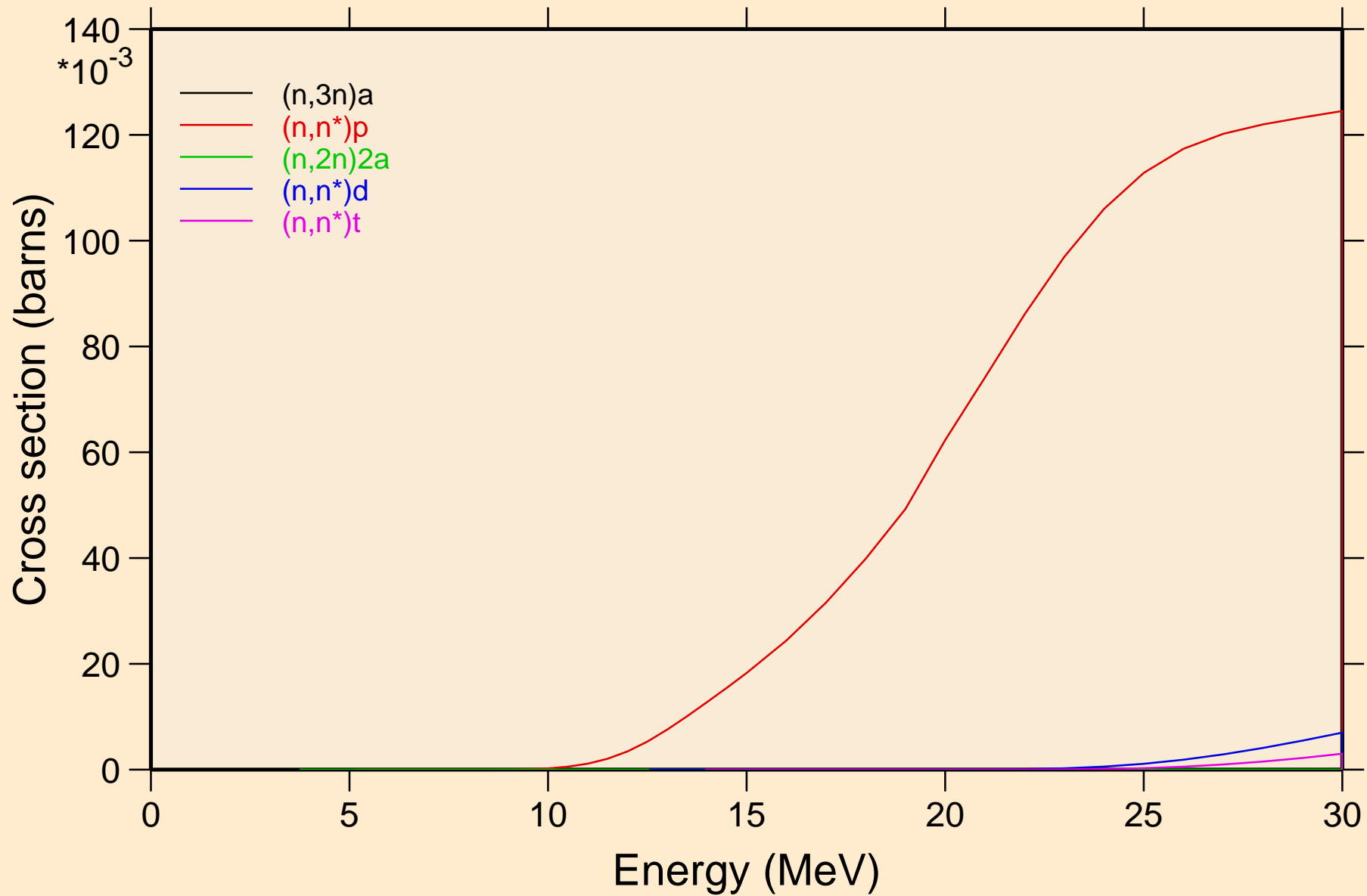
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

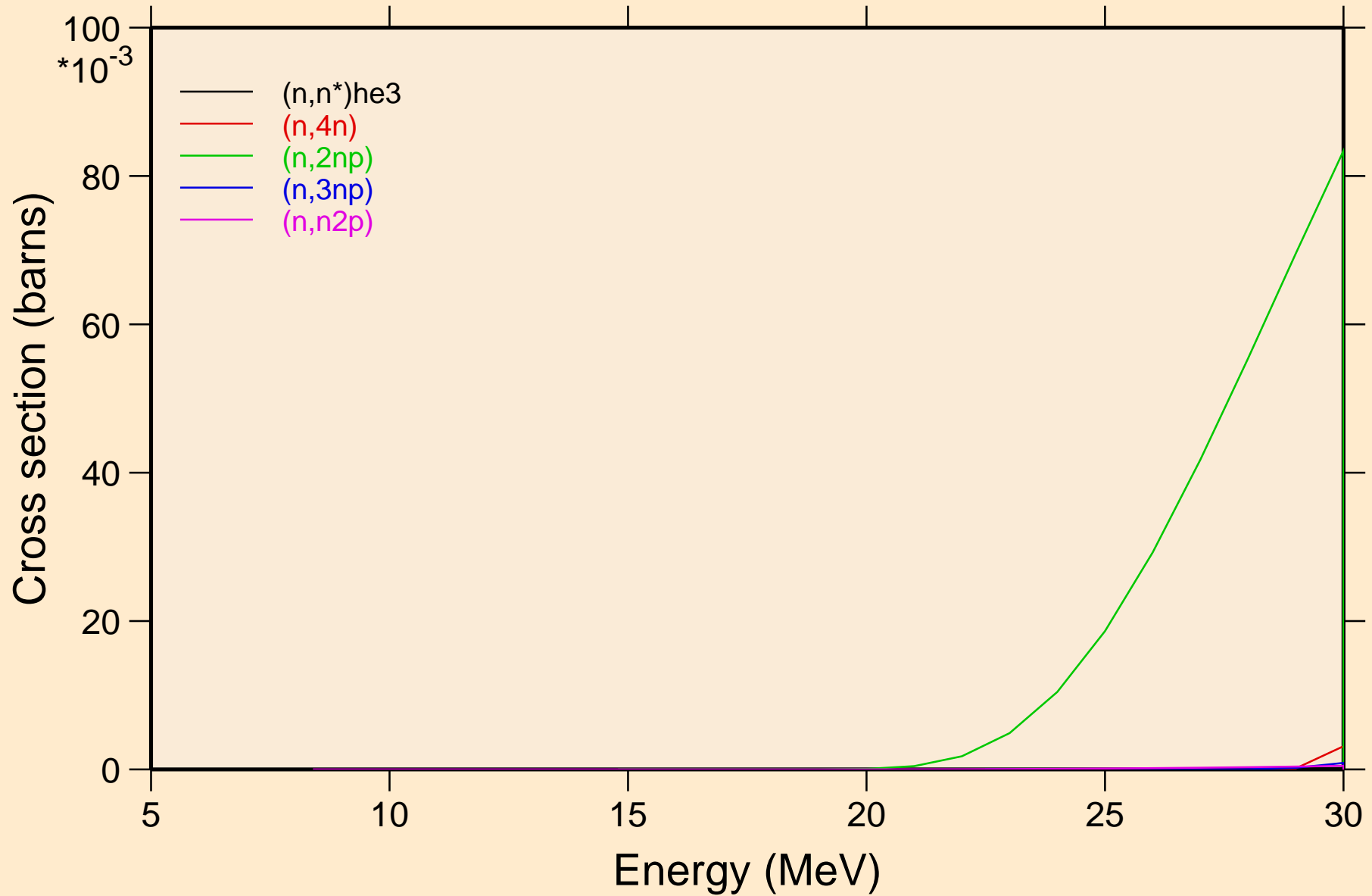
## Threshold reactions





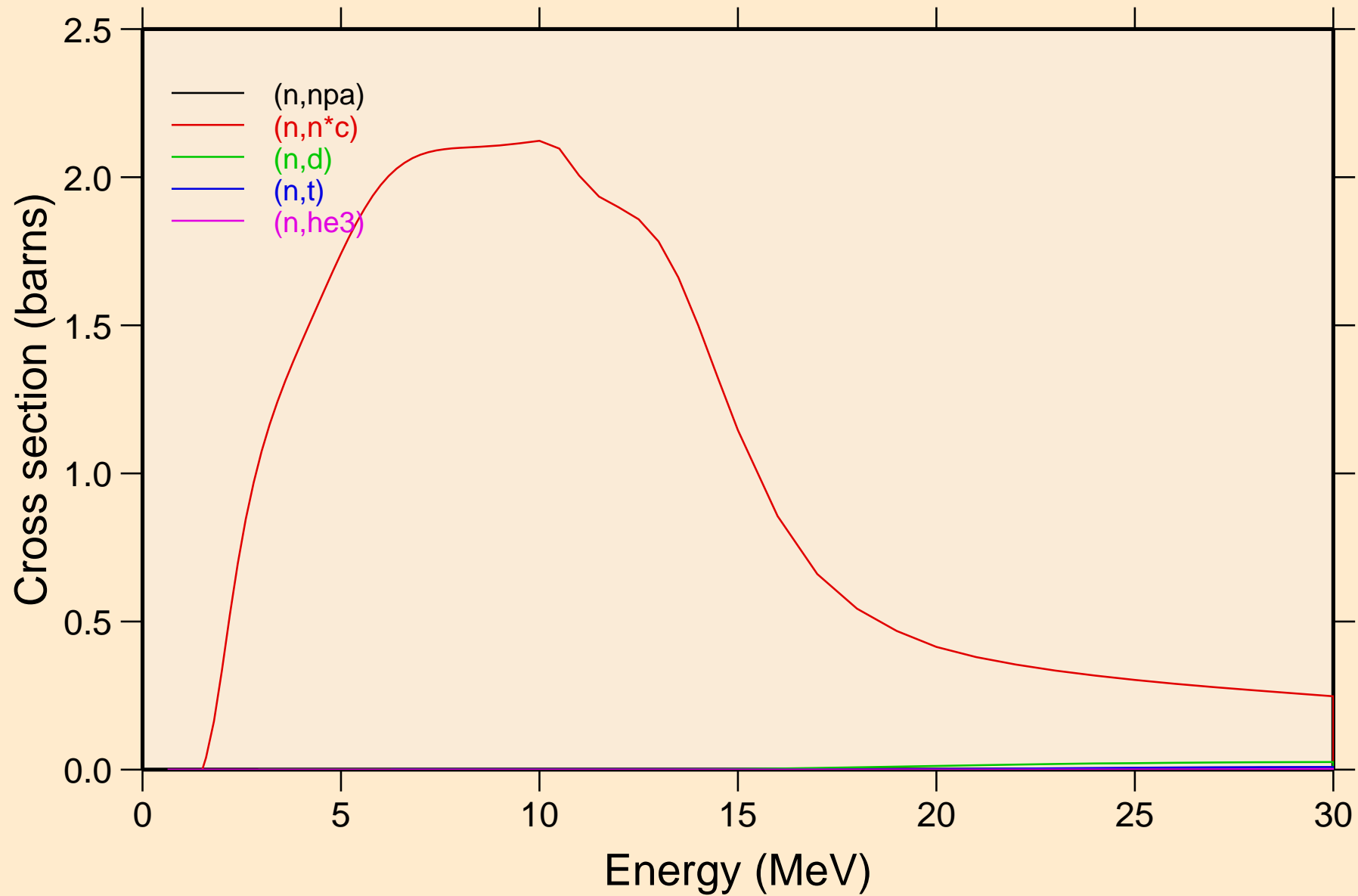
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## Threshold reactions



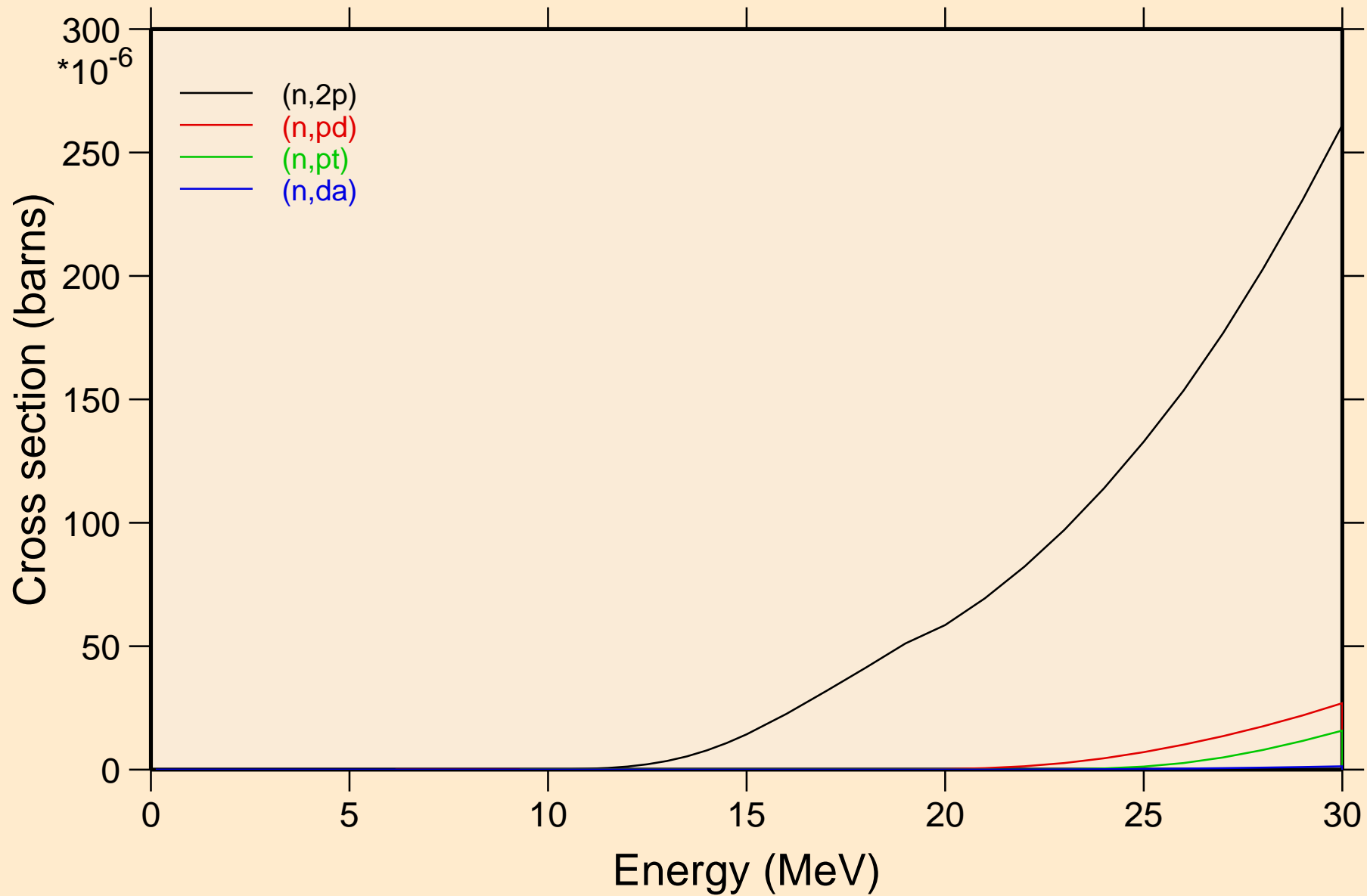
# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



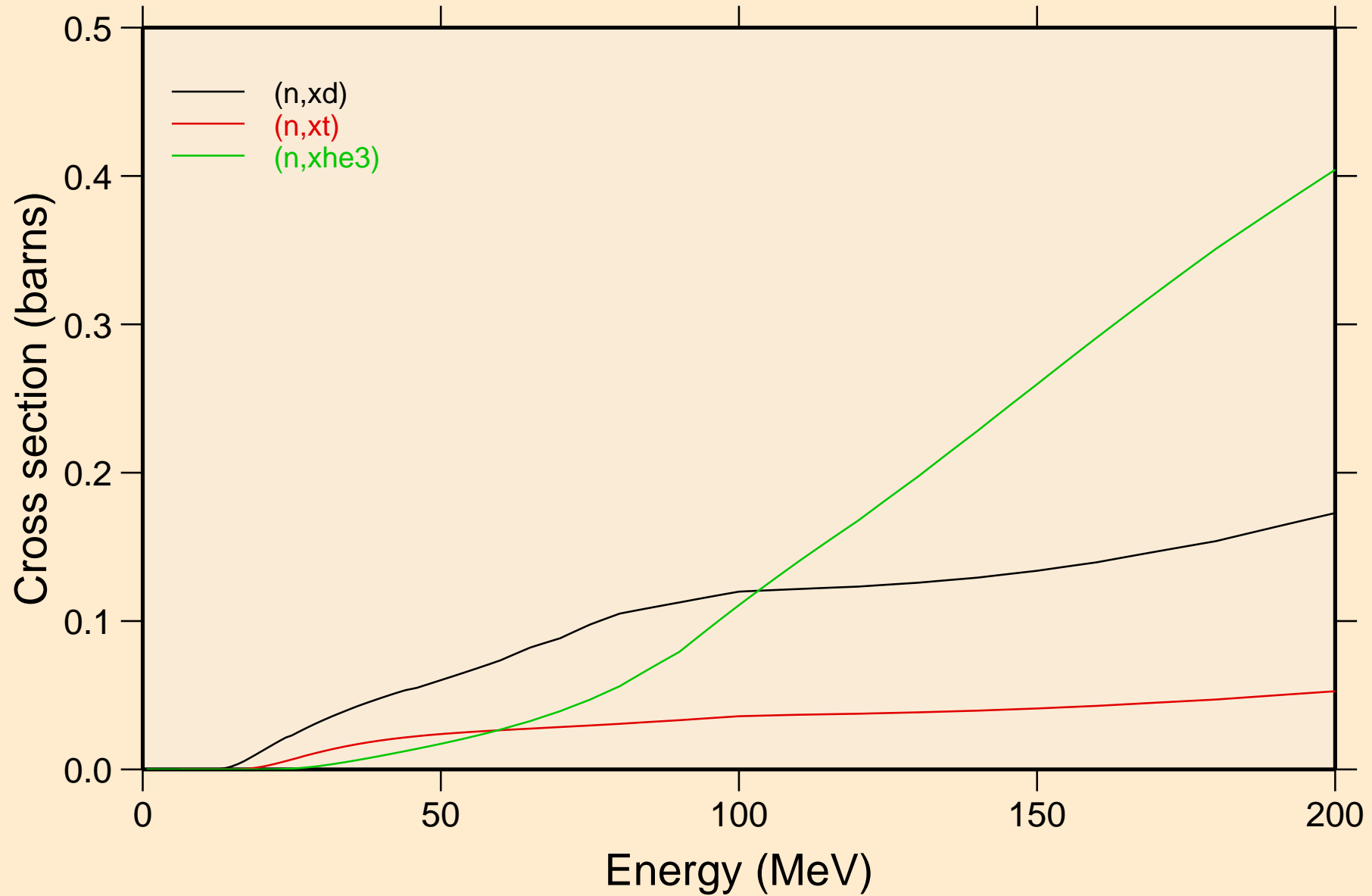
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## Threshold reactions

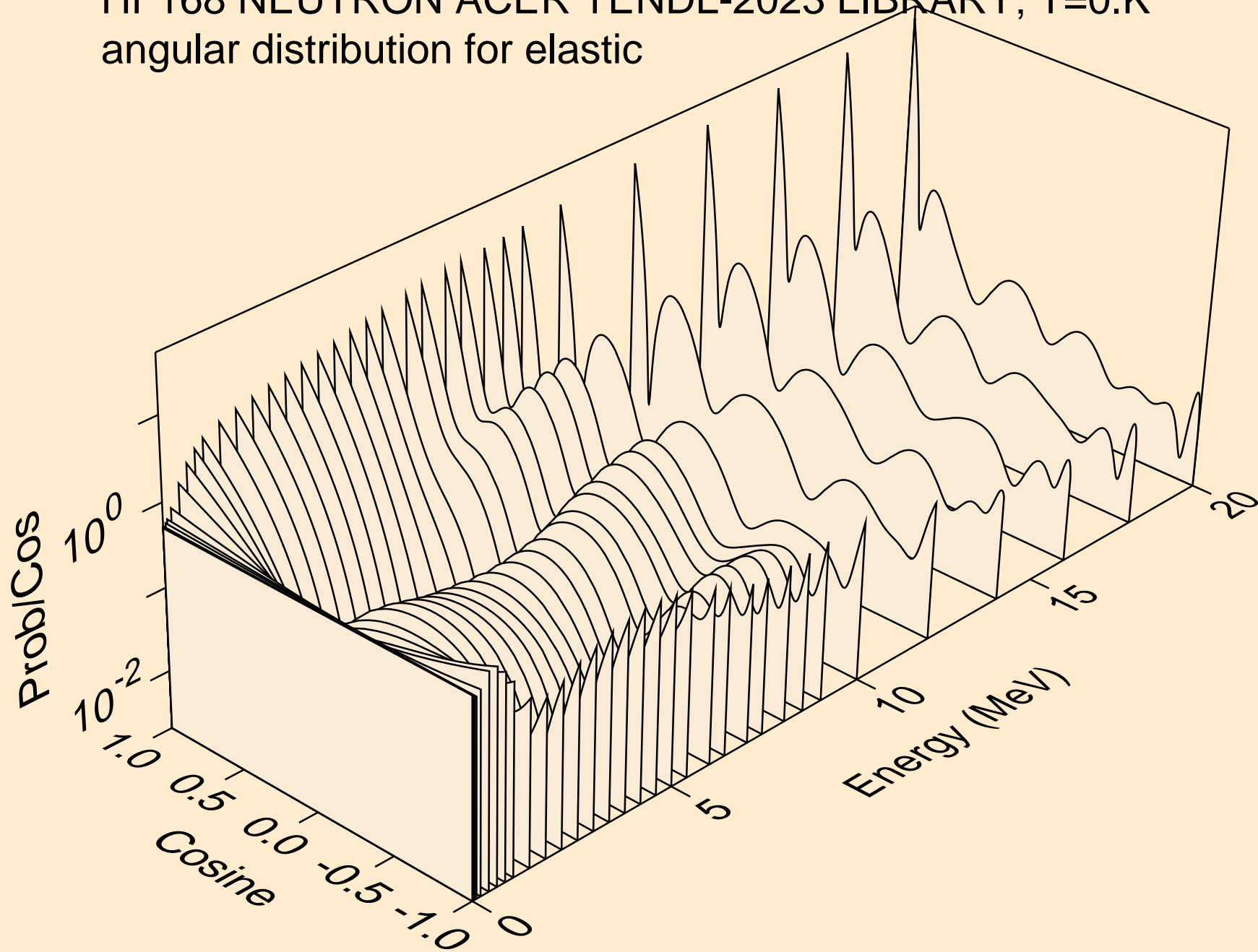


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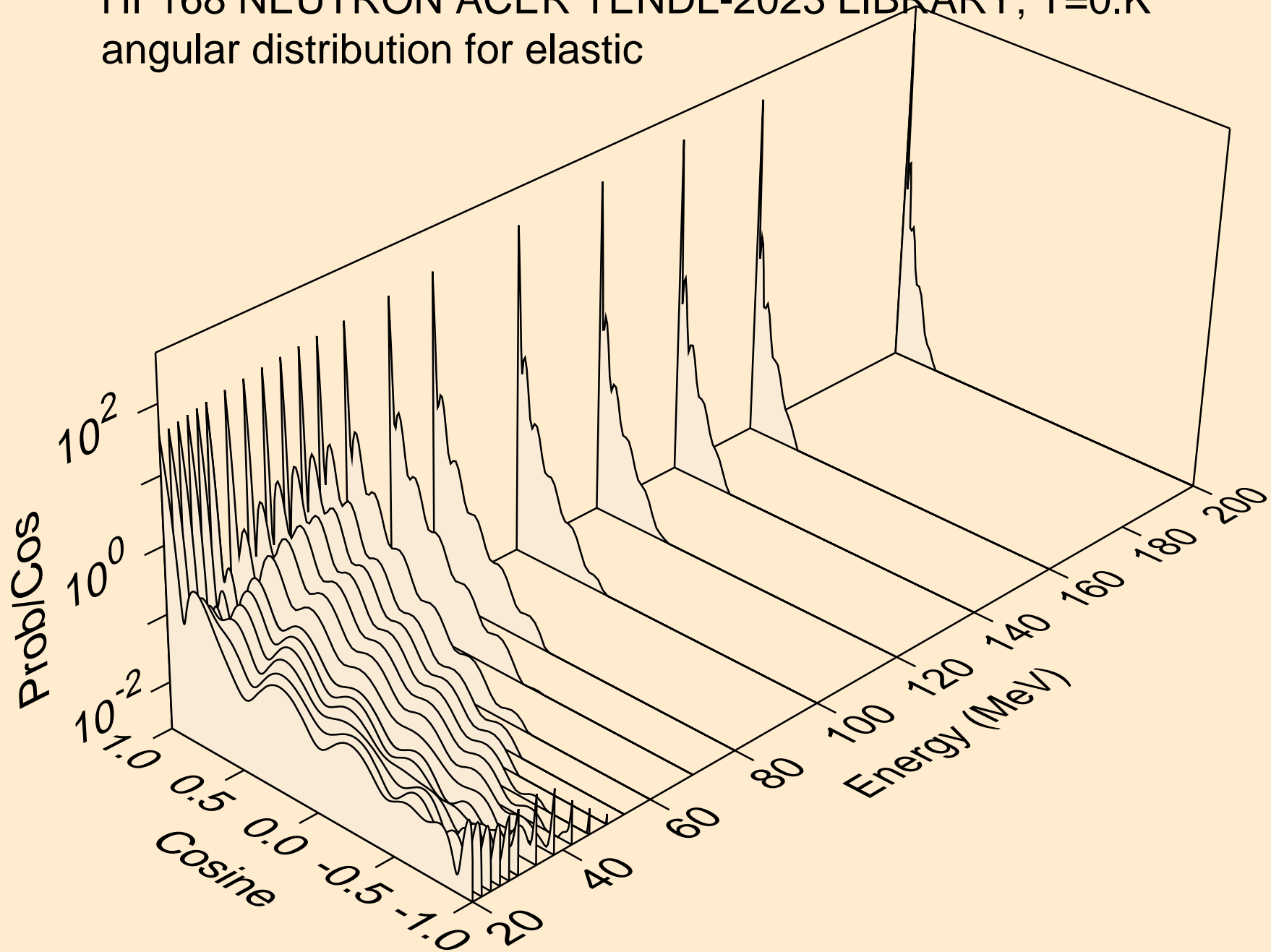
## Threshold reactions



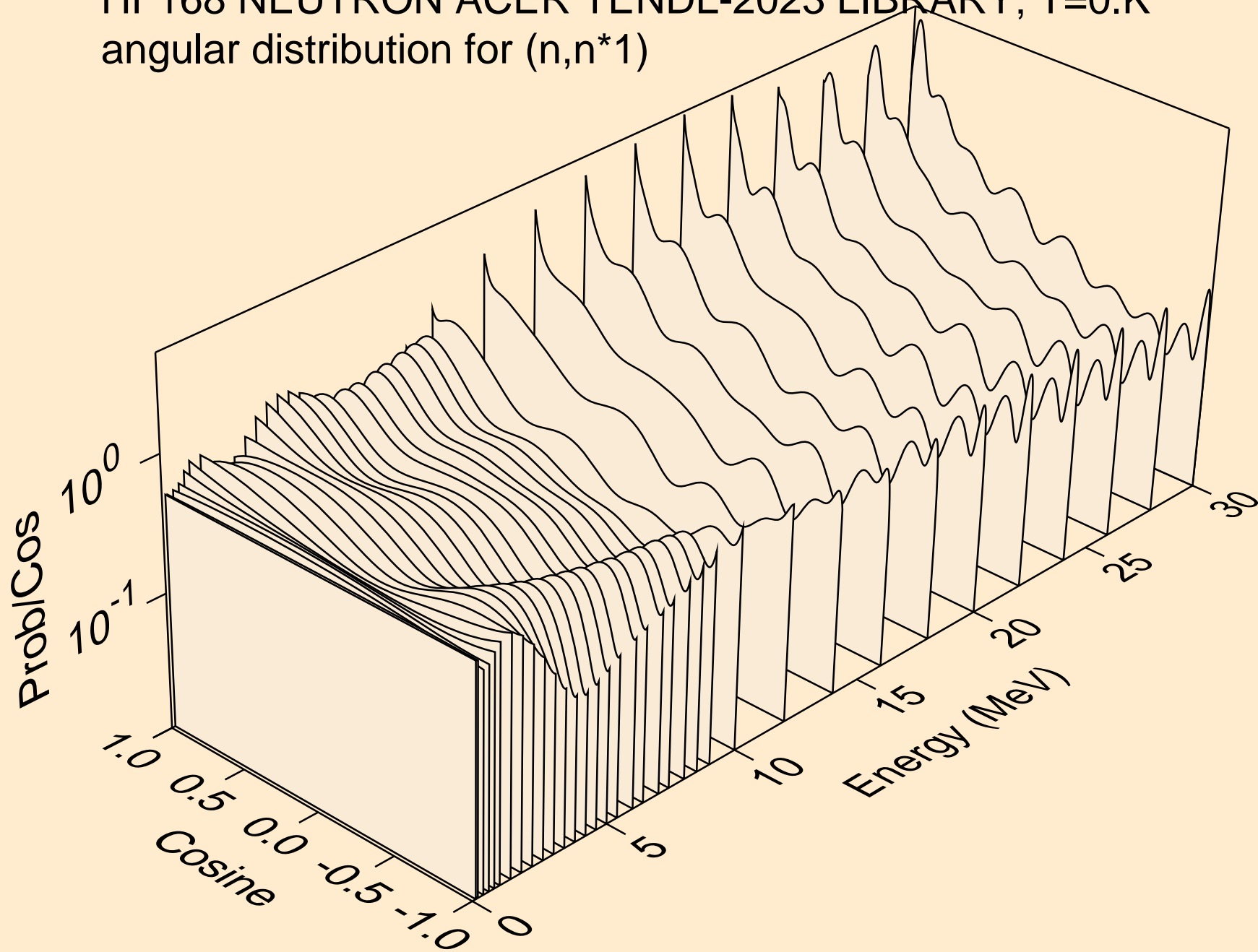
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



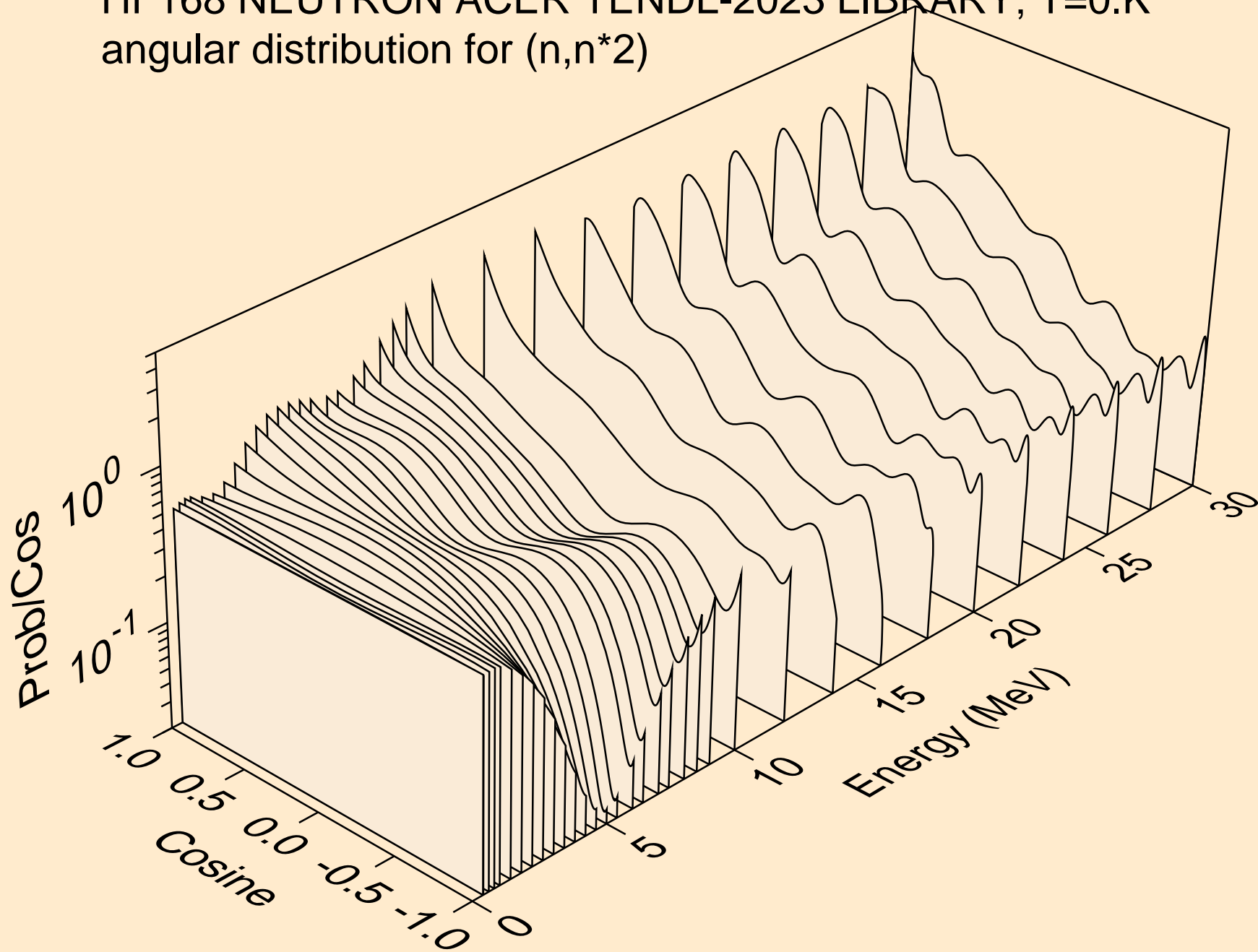
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

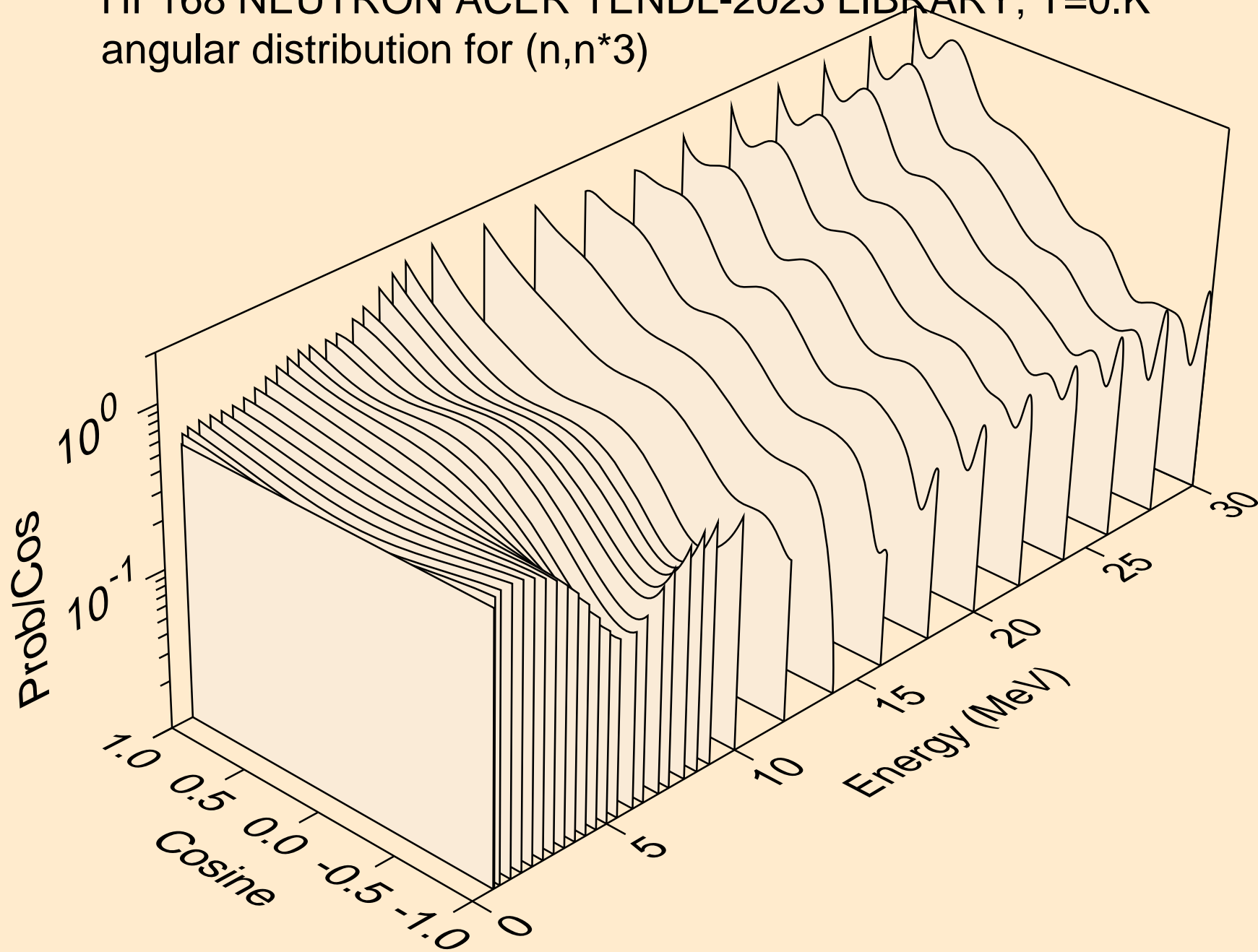


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

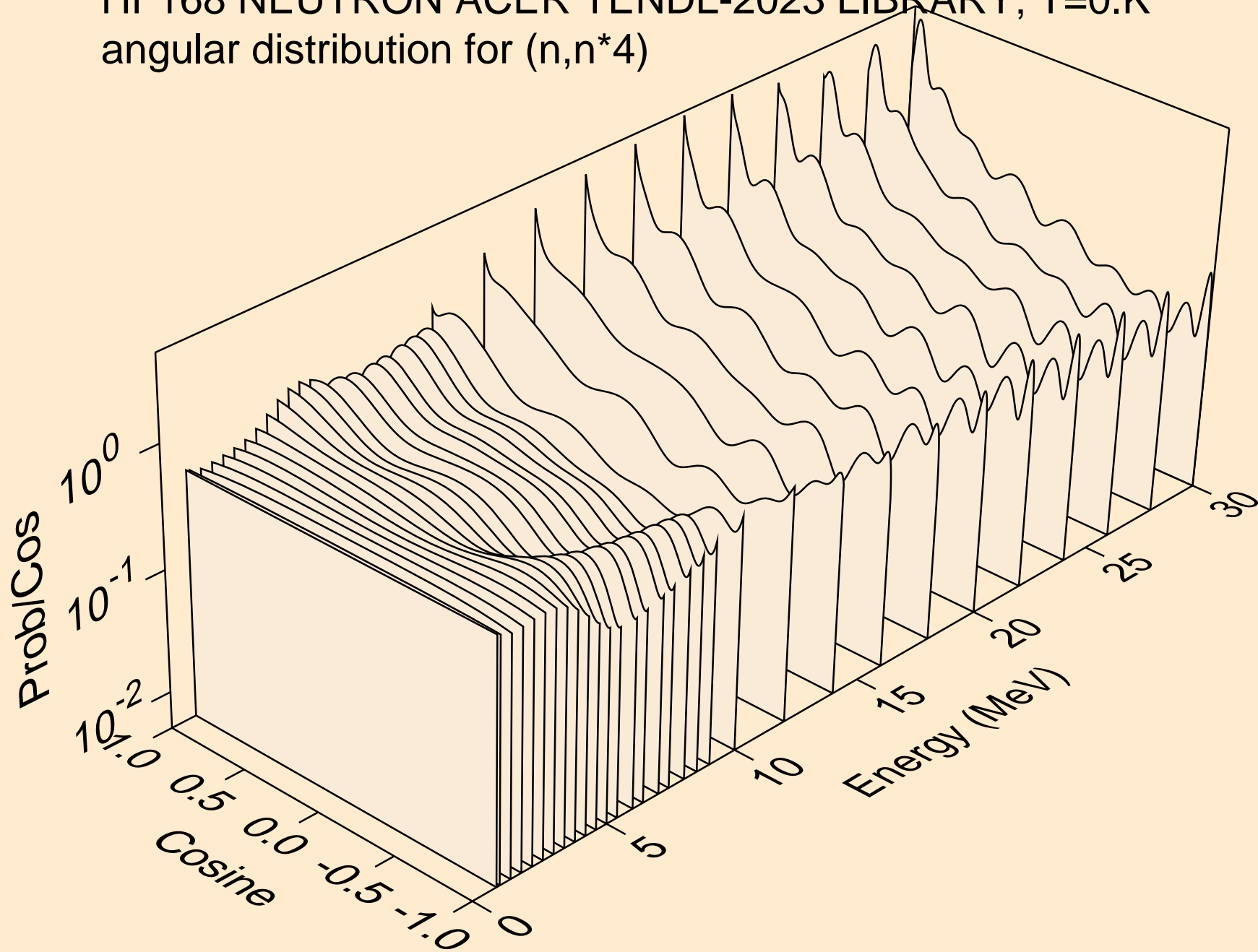




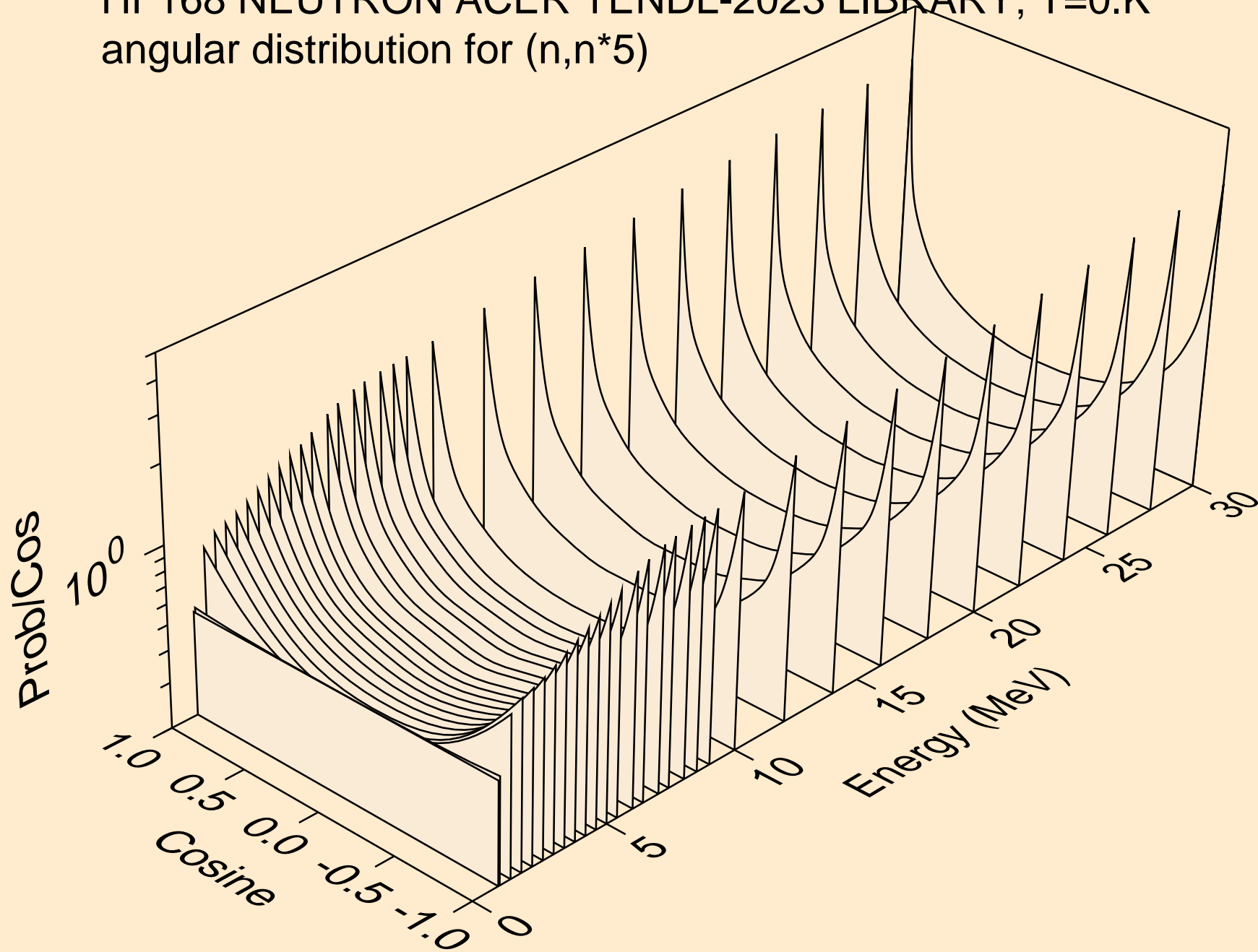
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angular distribution for (n,n\*3)



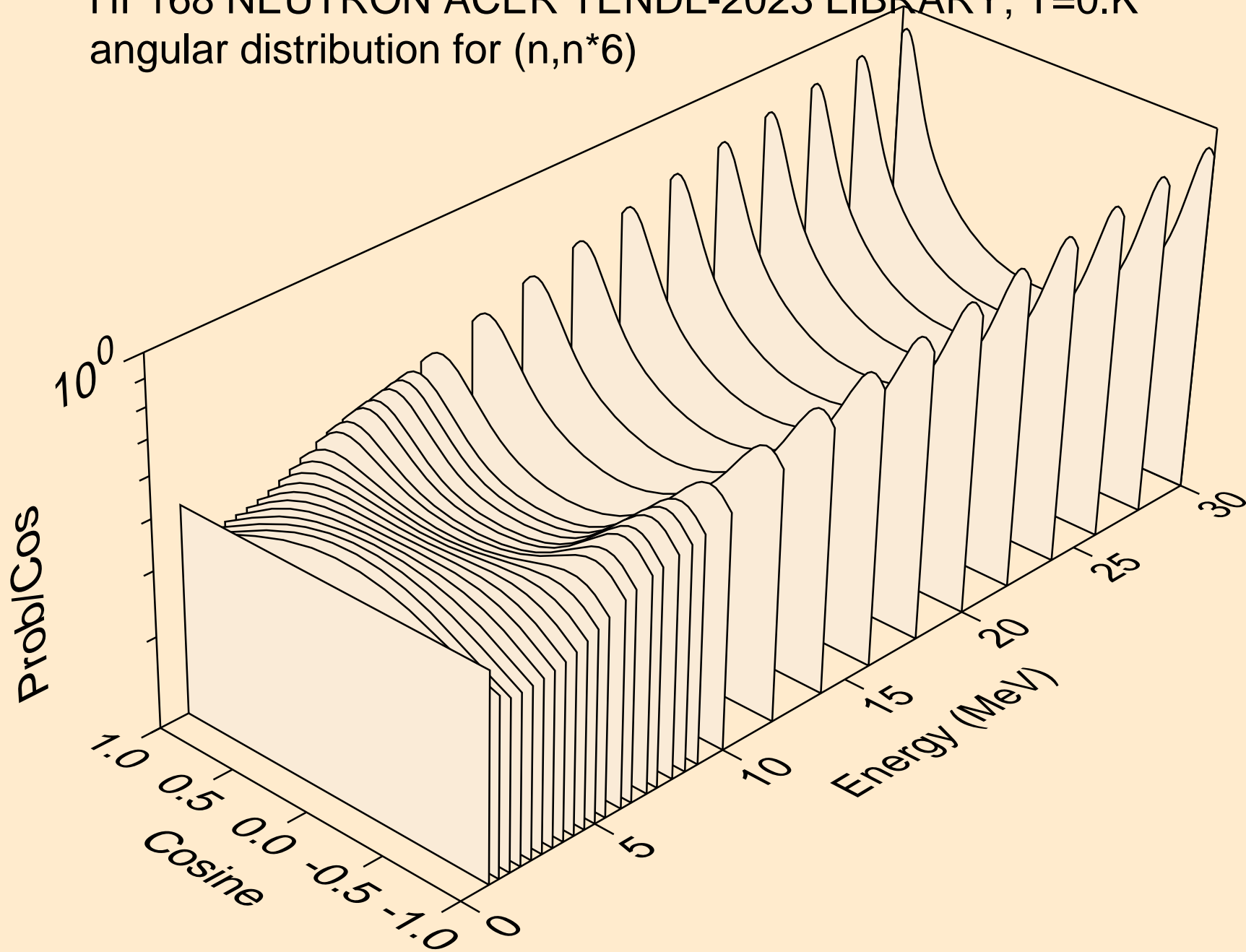
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angular distribution for (n,n\*4)



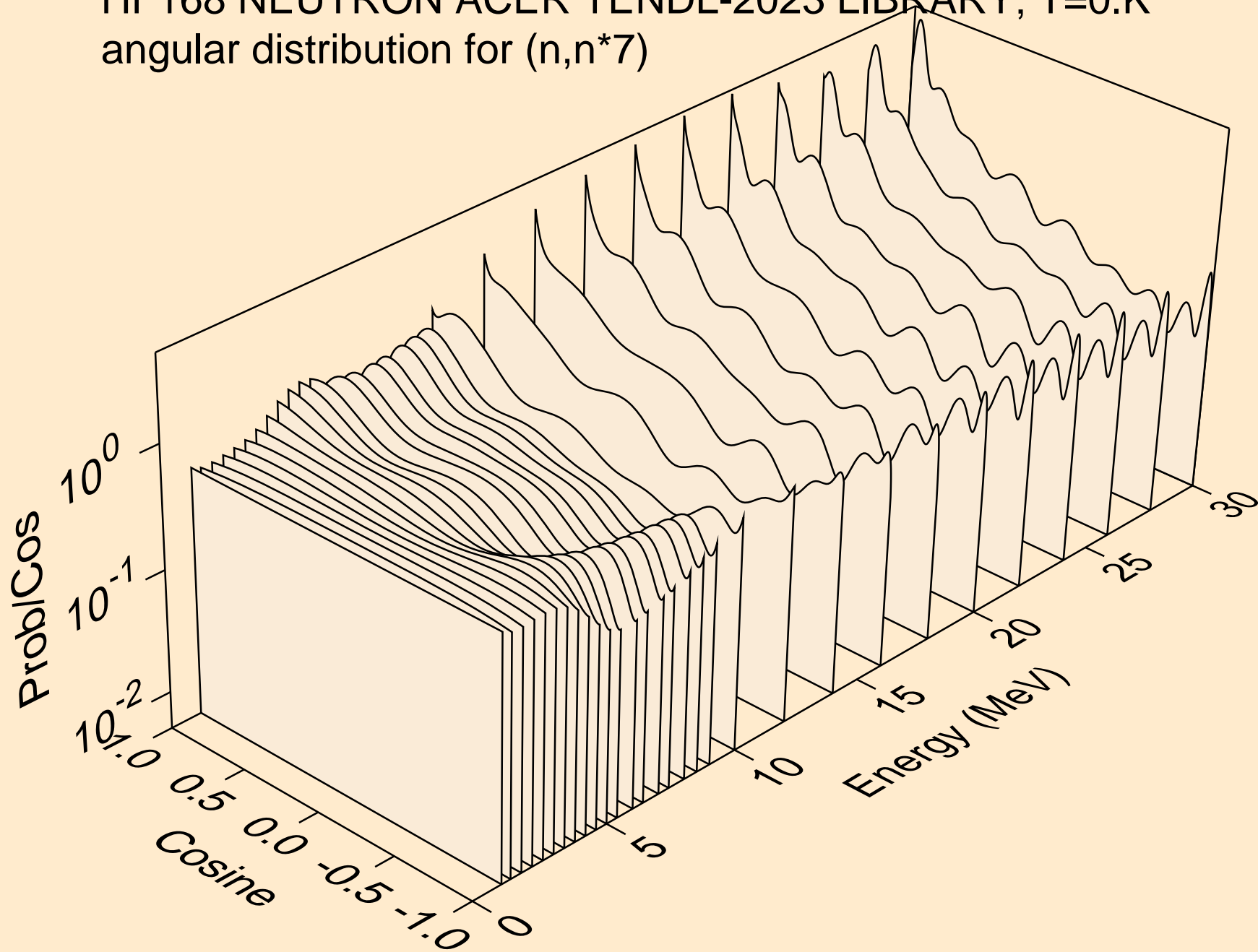
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angular distribution for (n,n\*5)



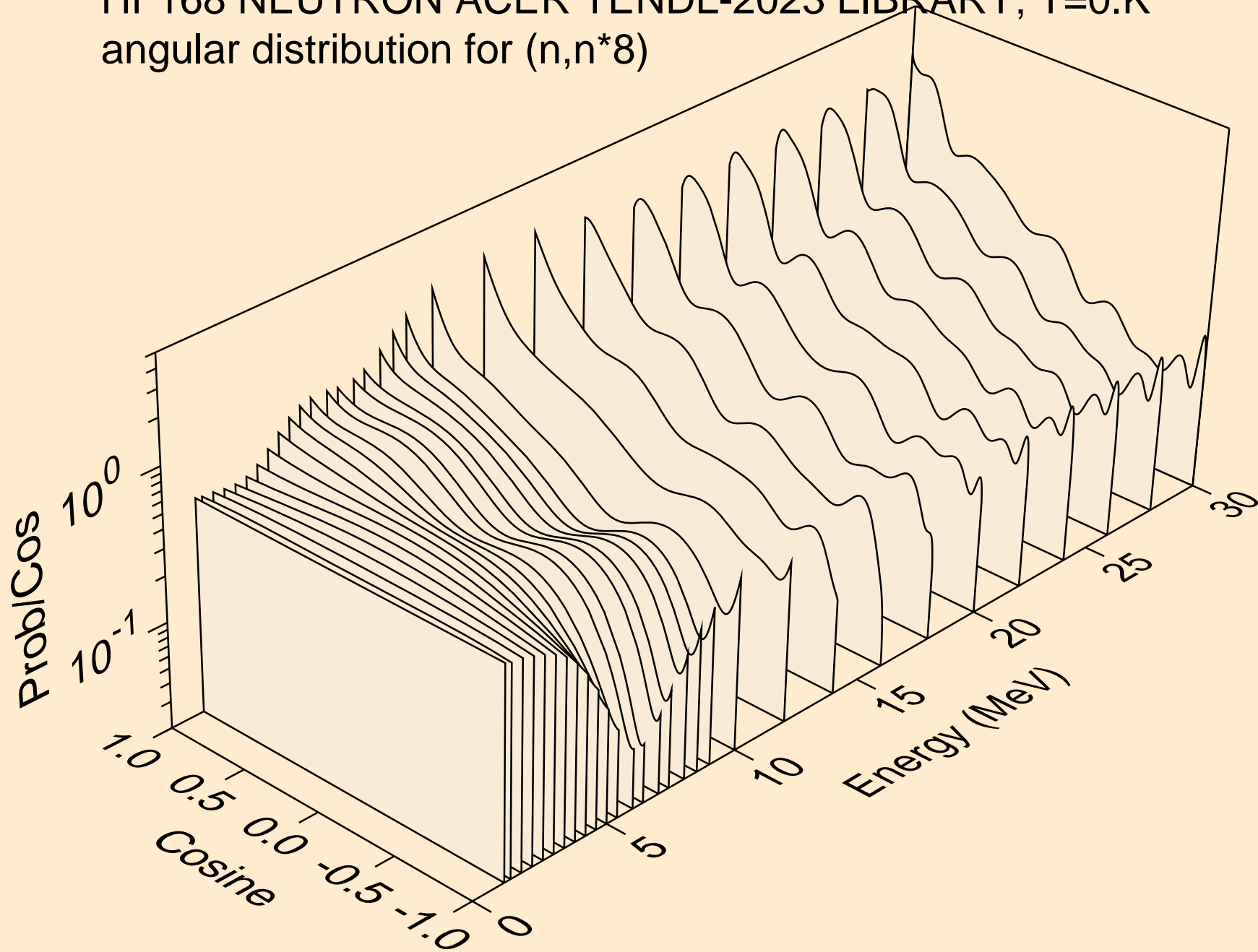
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angular distribution for (n,n\*6)



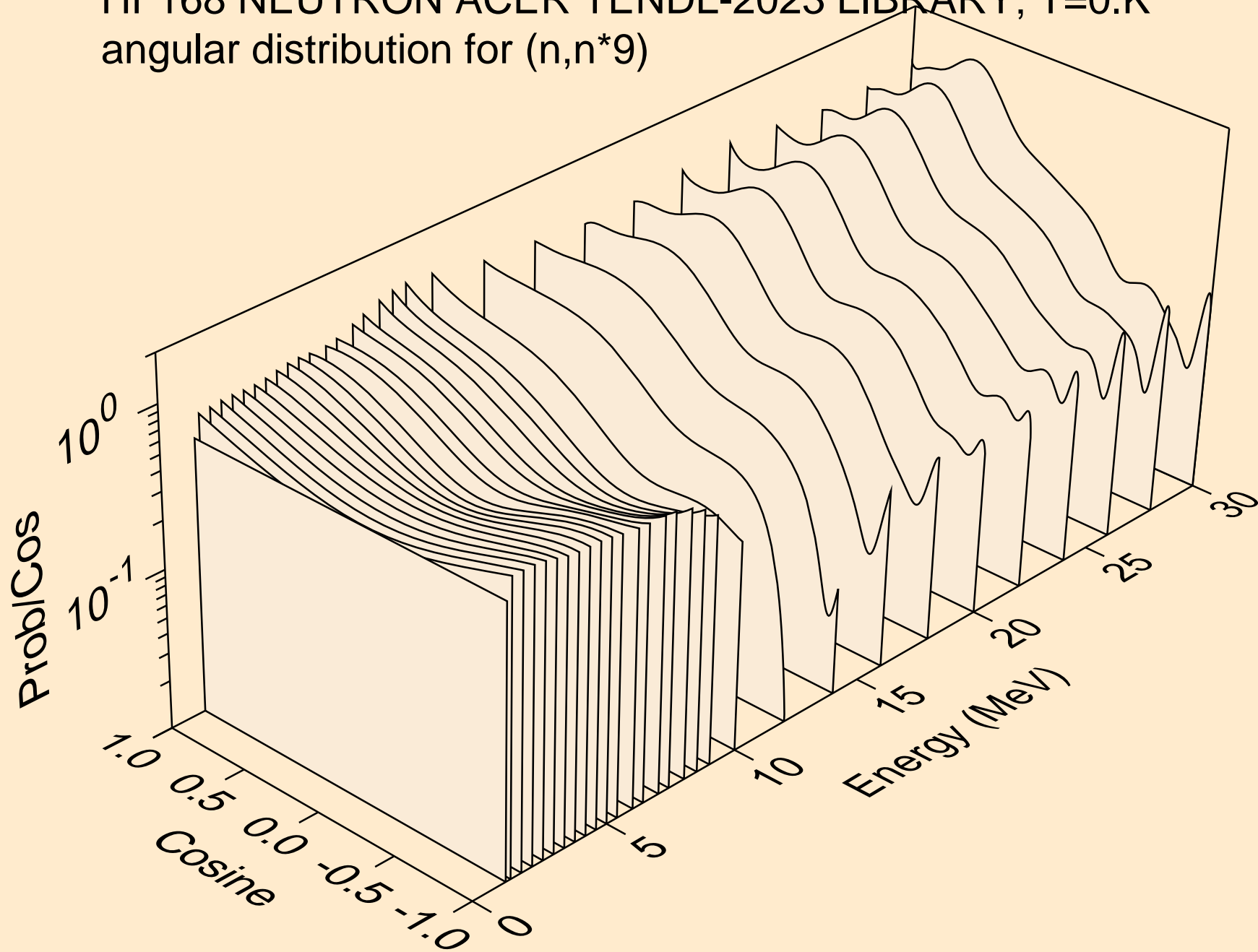
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angular distribution for (n,n\*7)



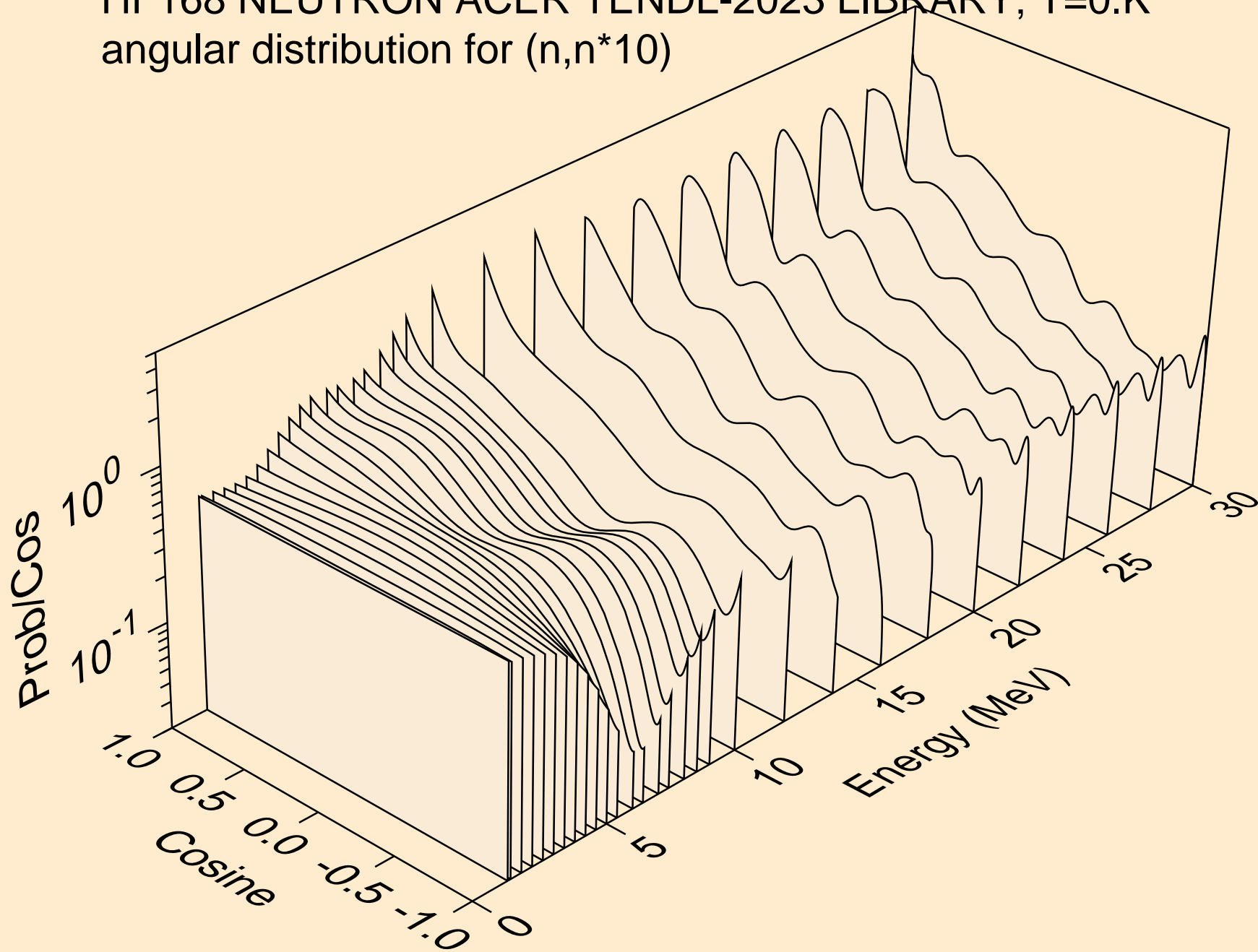
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

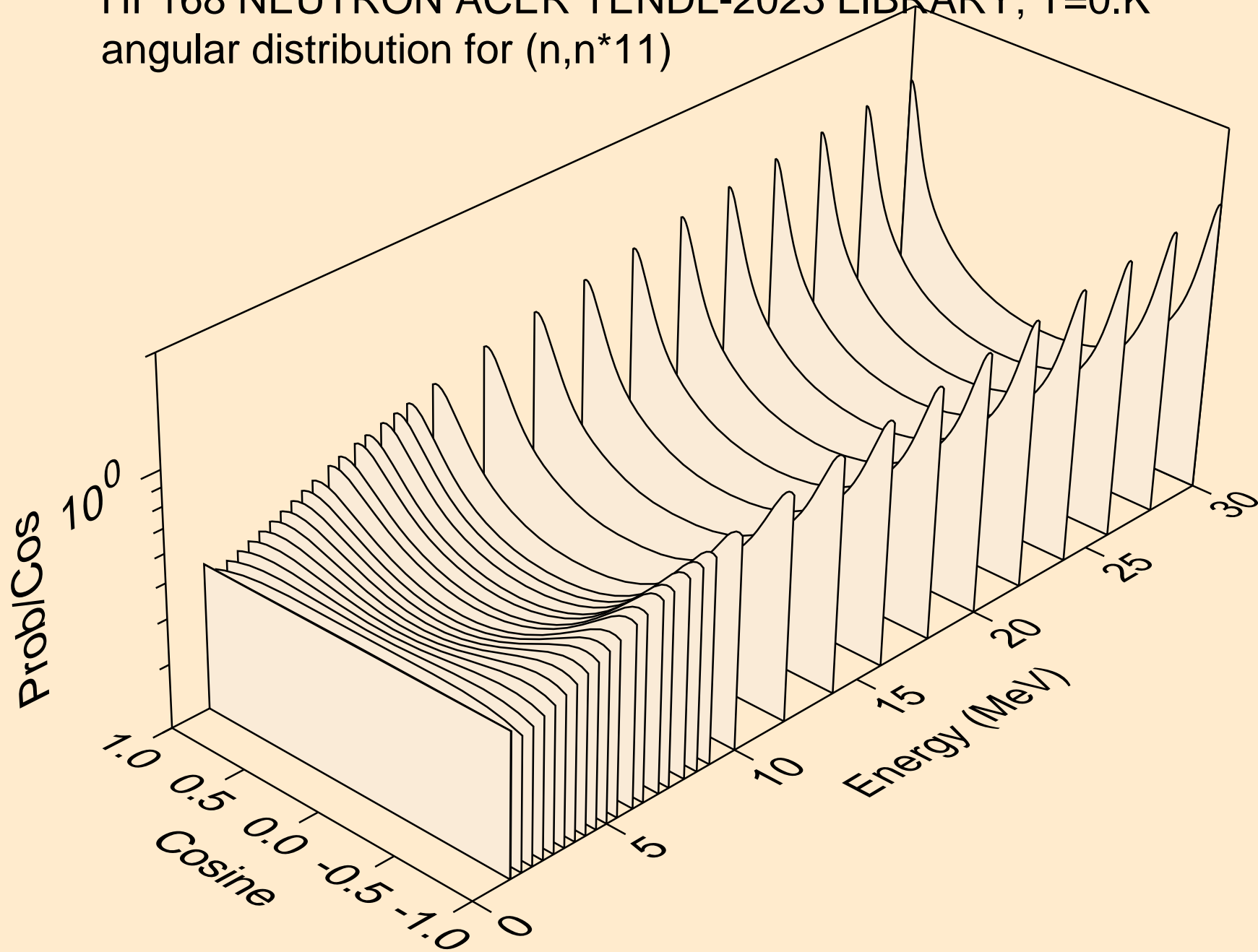


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angular distribution for (n,n\*10)

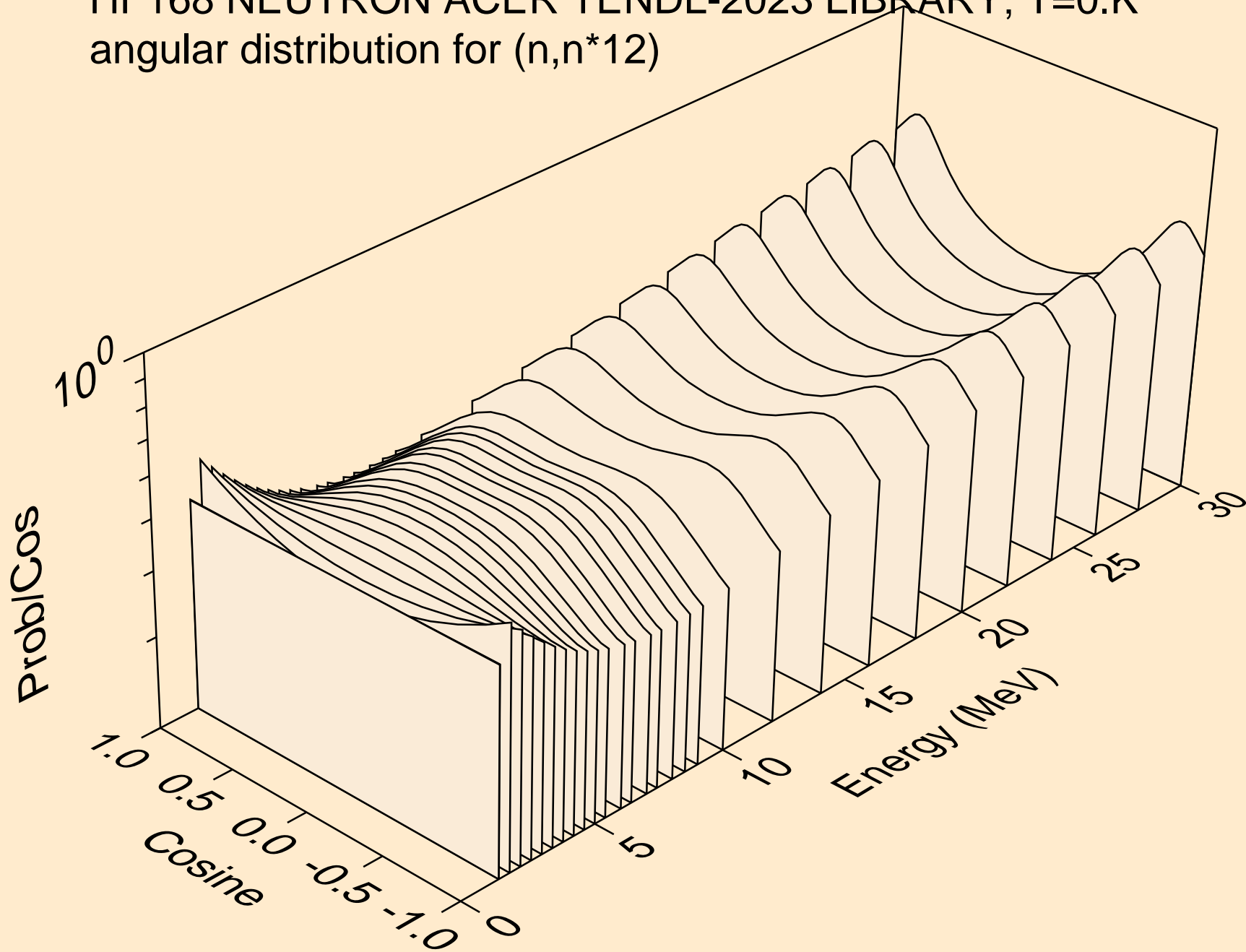




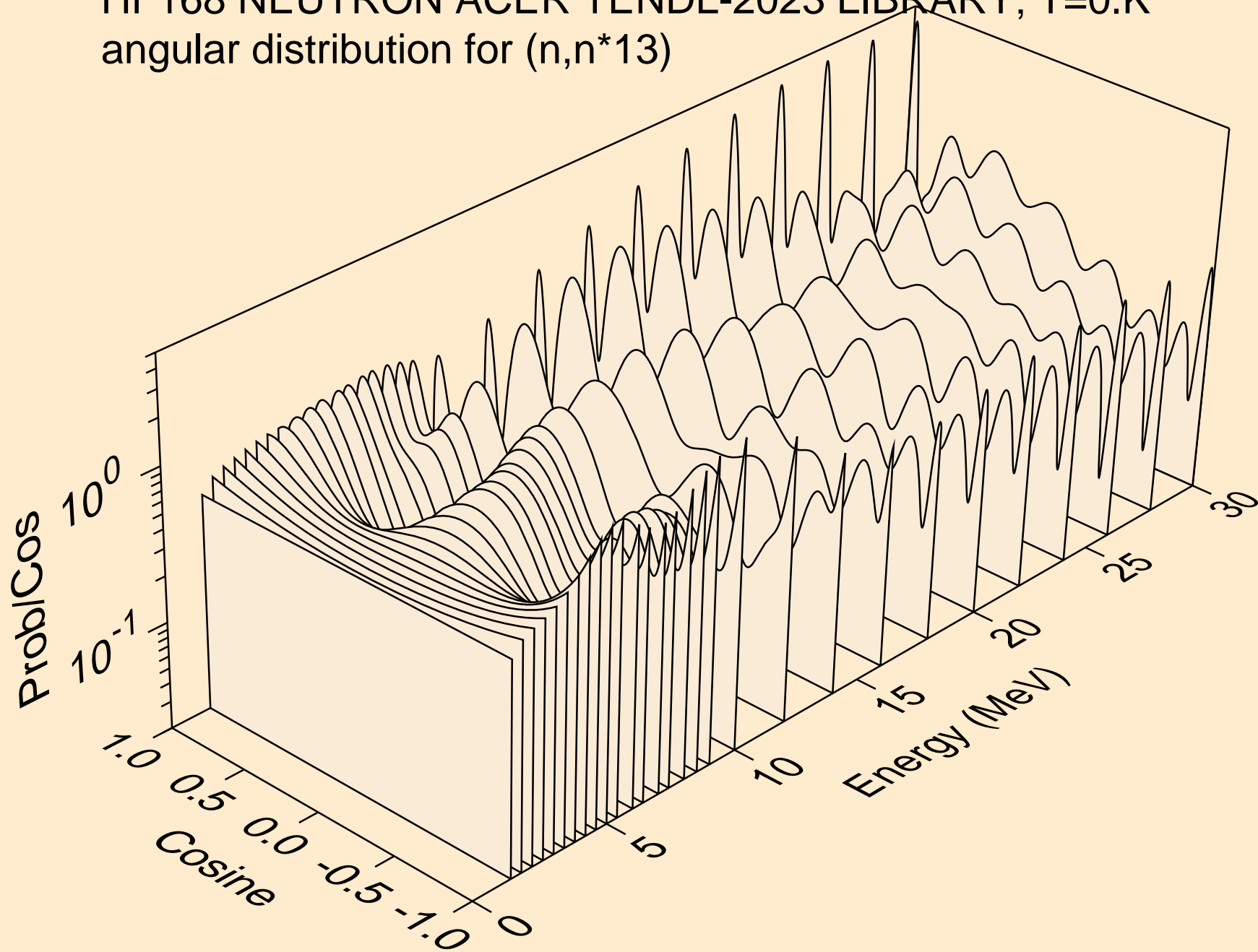
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angular distribution for (n,n\*11)



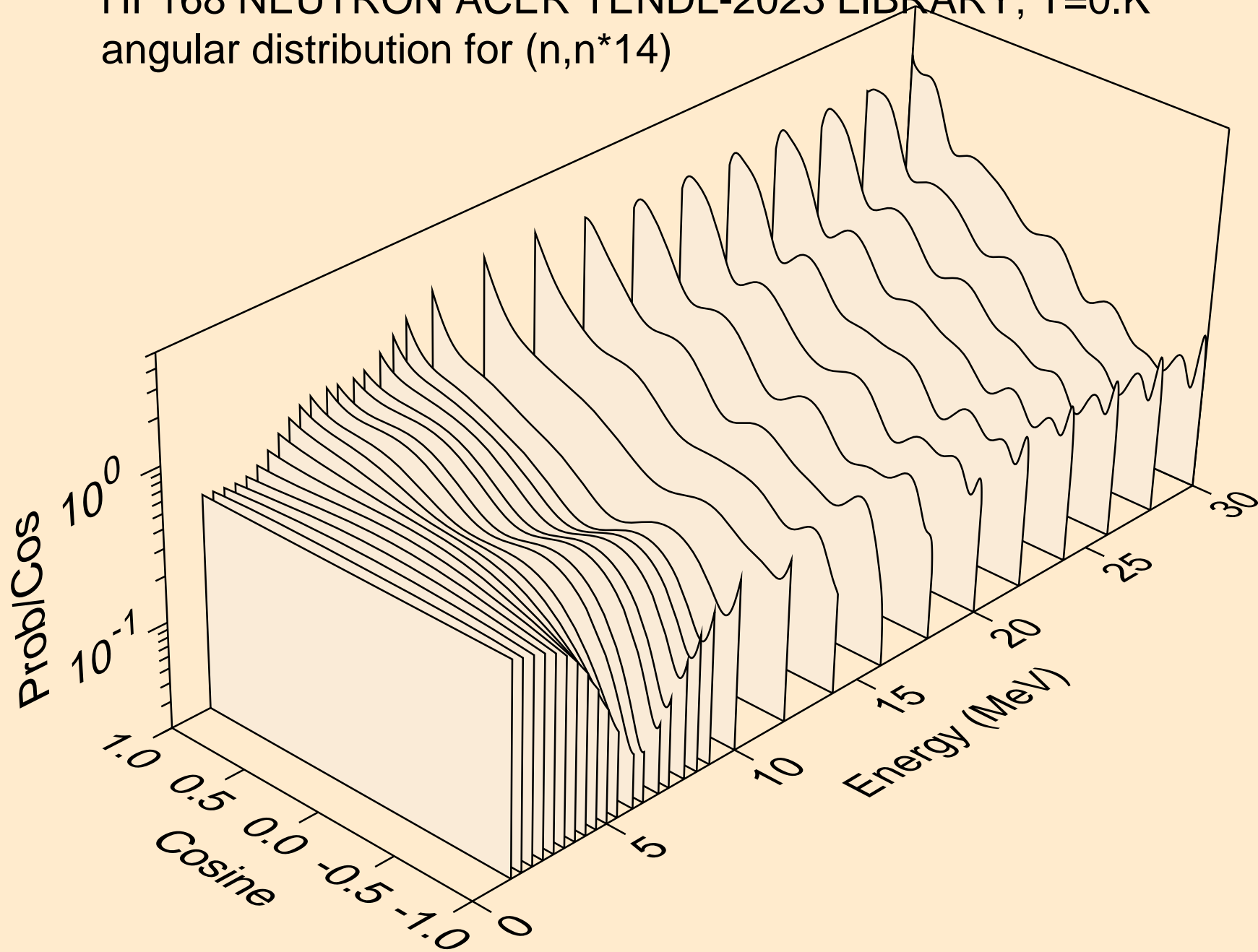
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angular distribution for (n,n\*12)



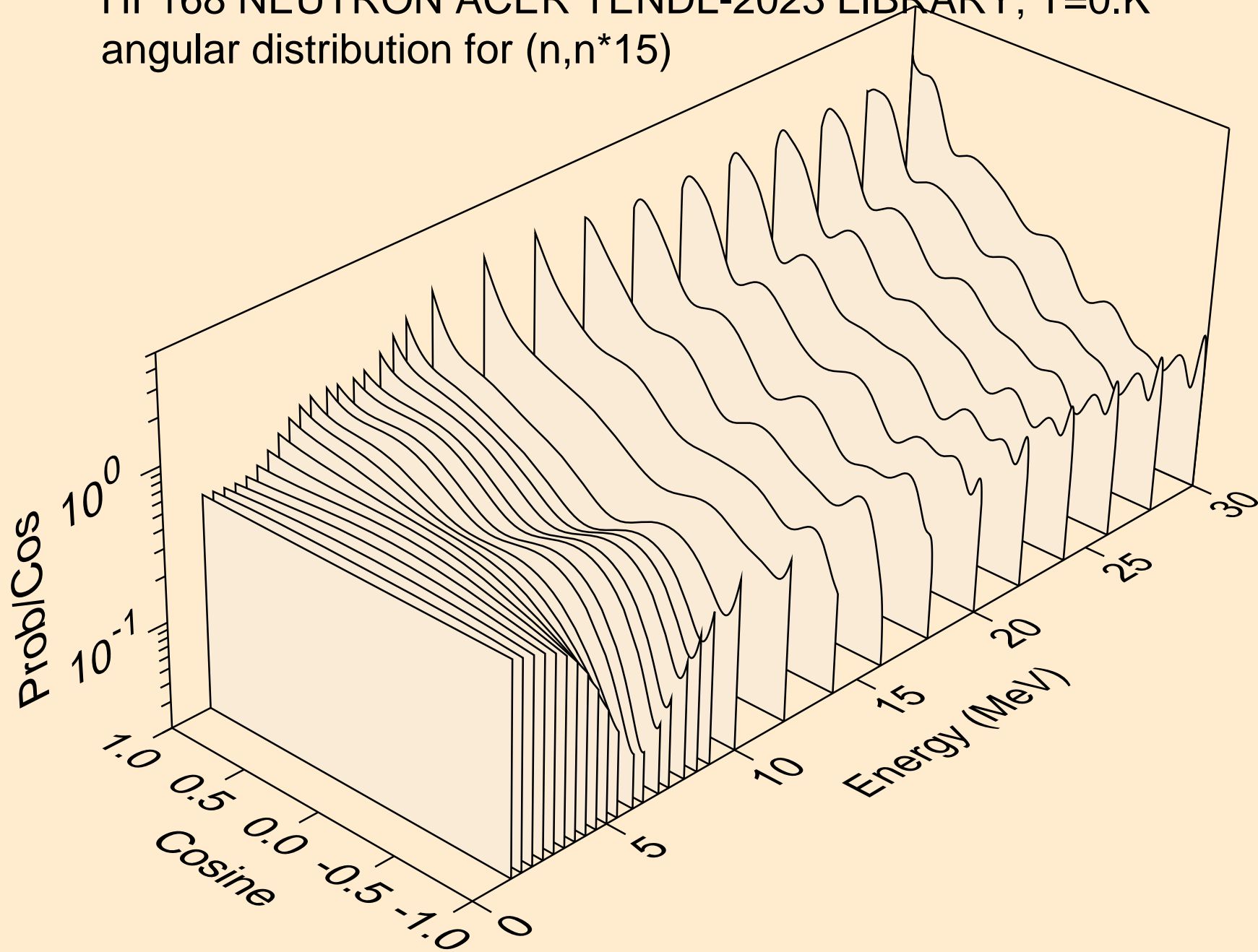
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angular distribution for (n,n\*13)



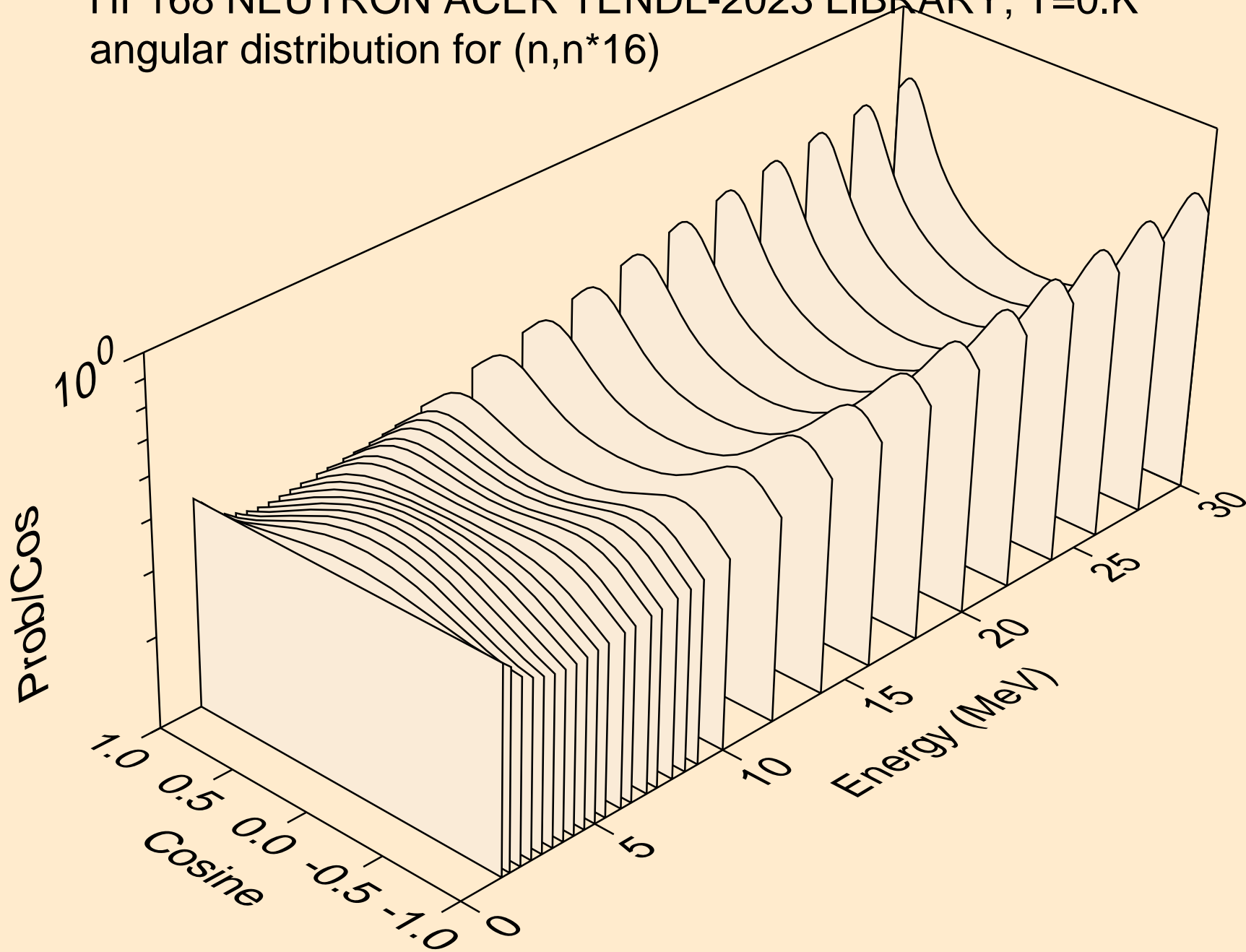
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angular distribution for (n,n\*14)



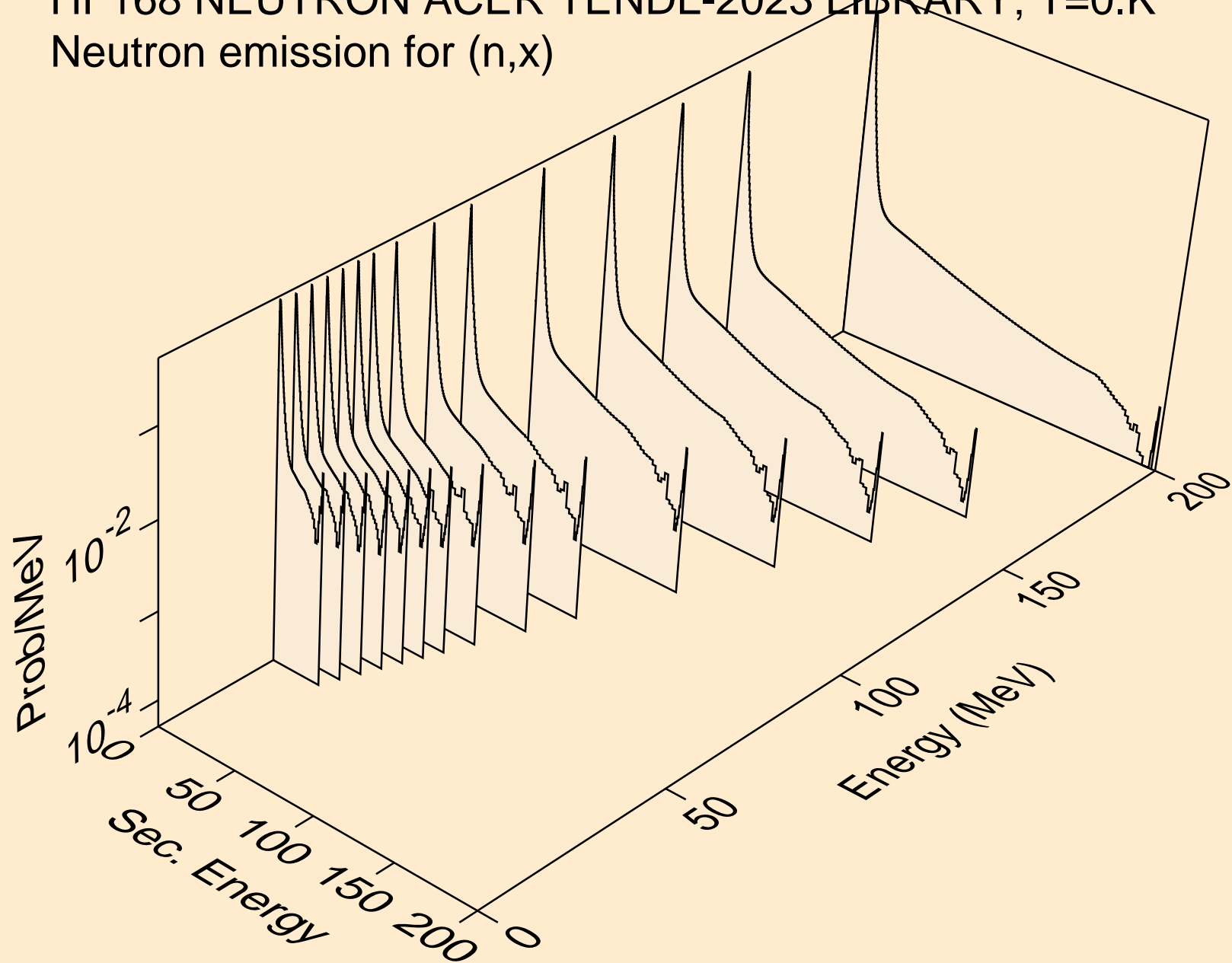
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angular distribution for (n,n\*15)



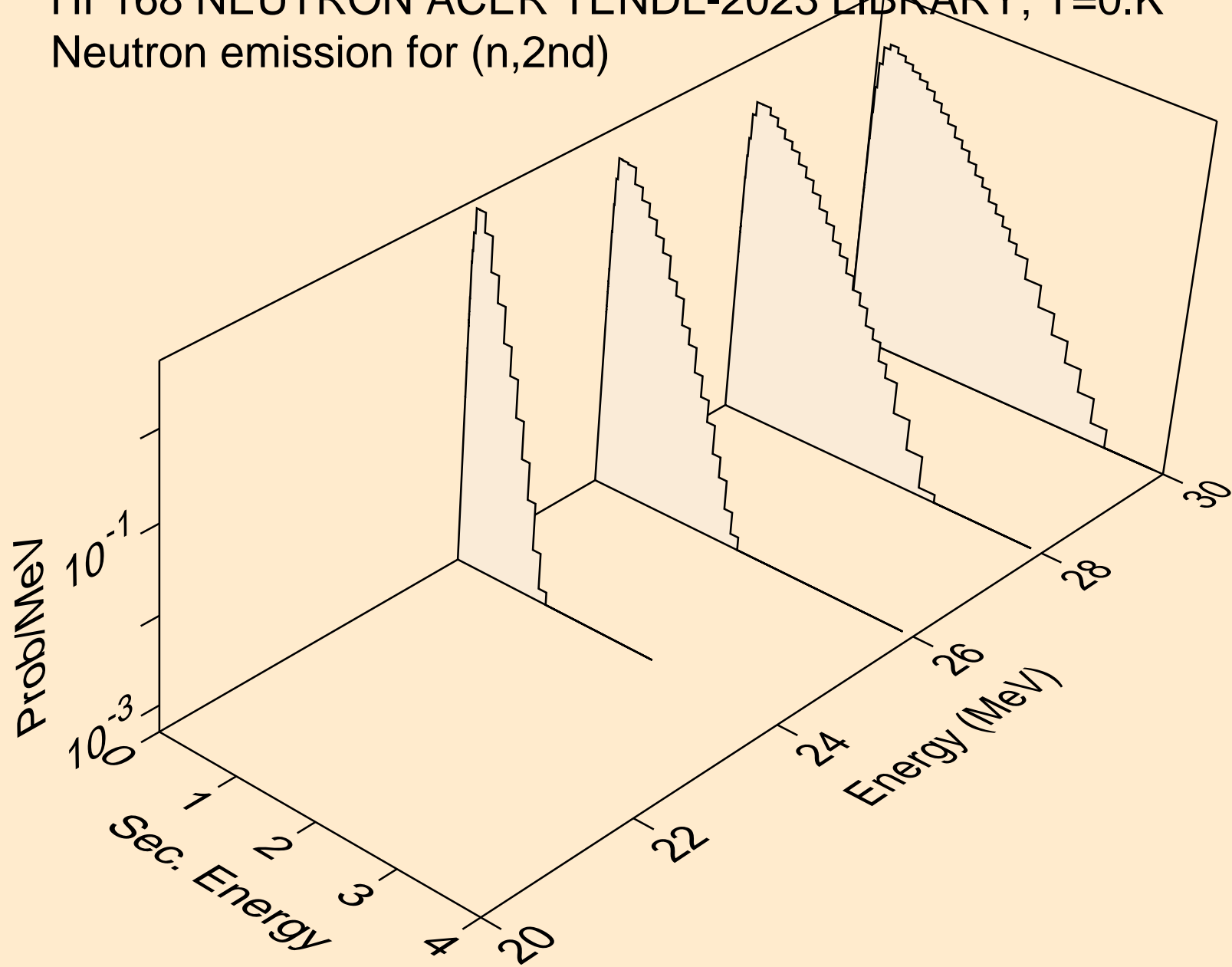
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

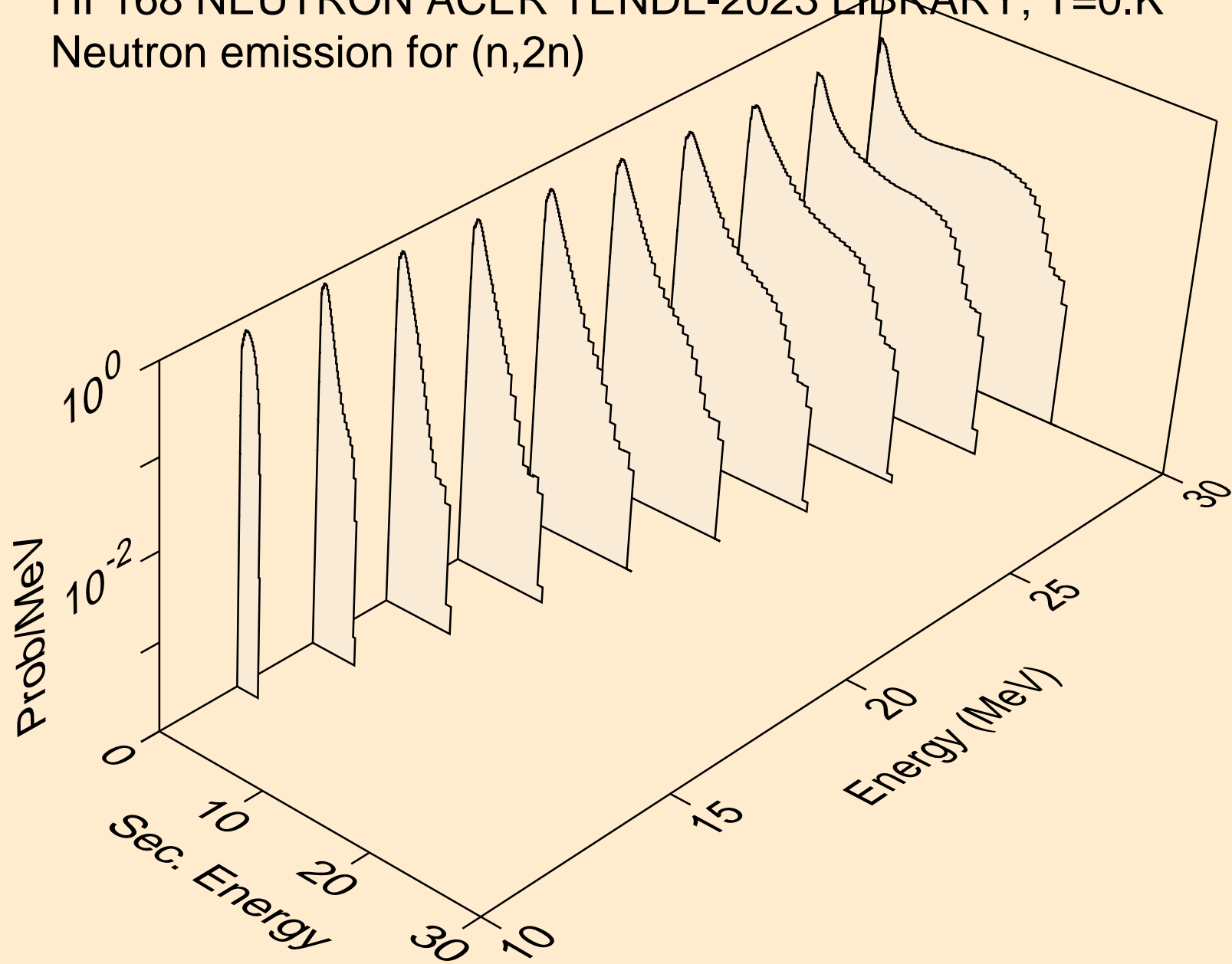


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

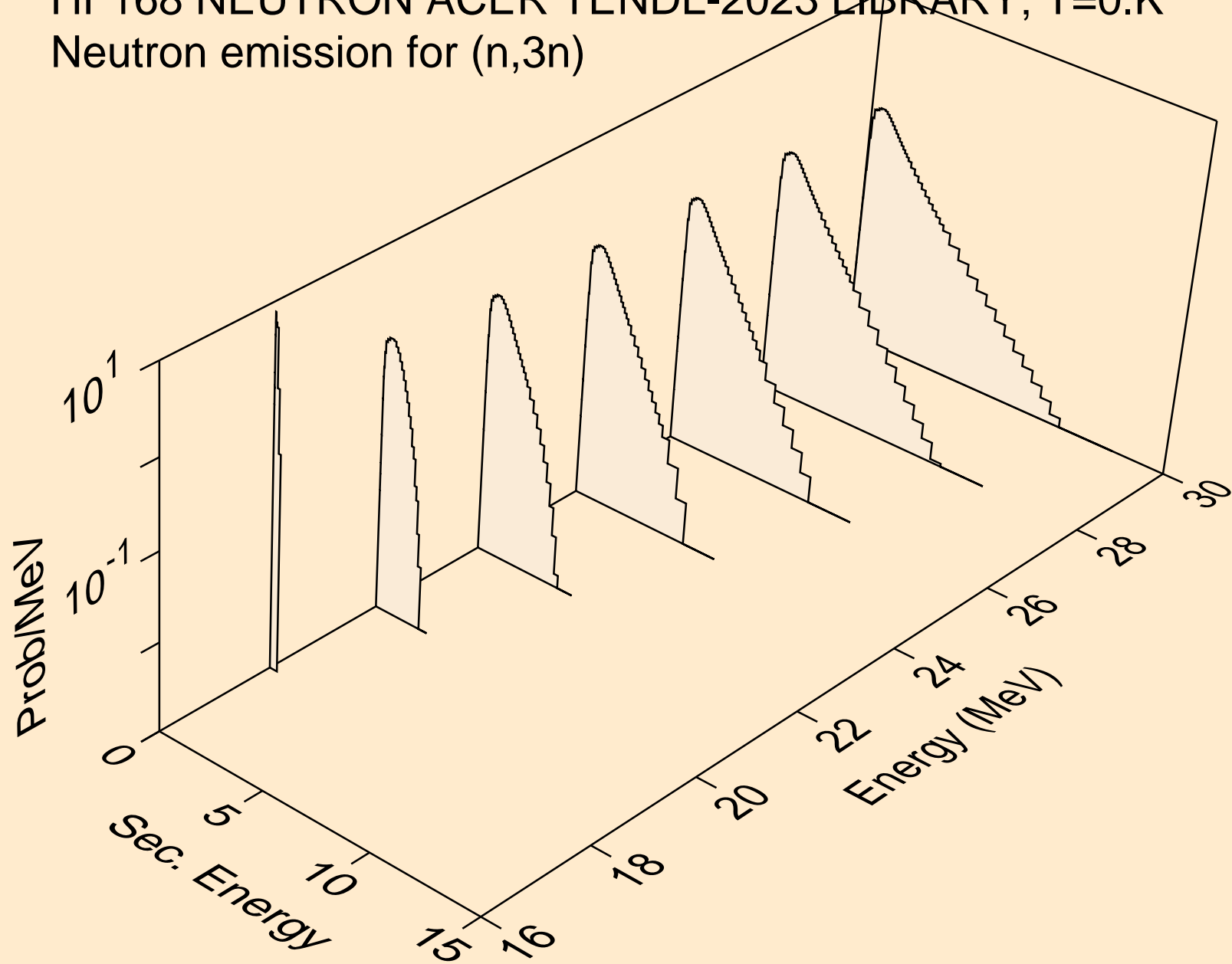




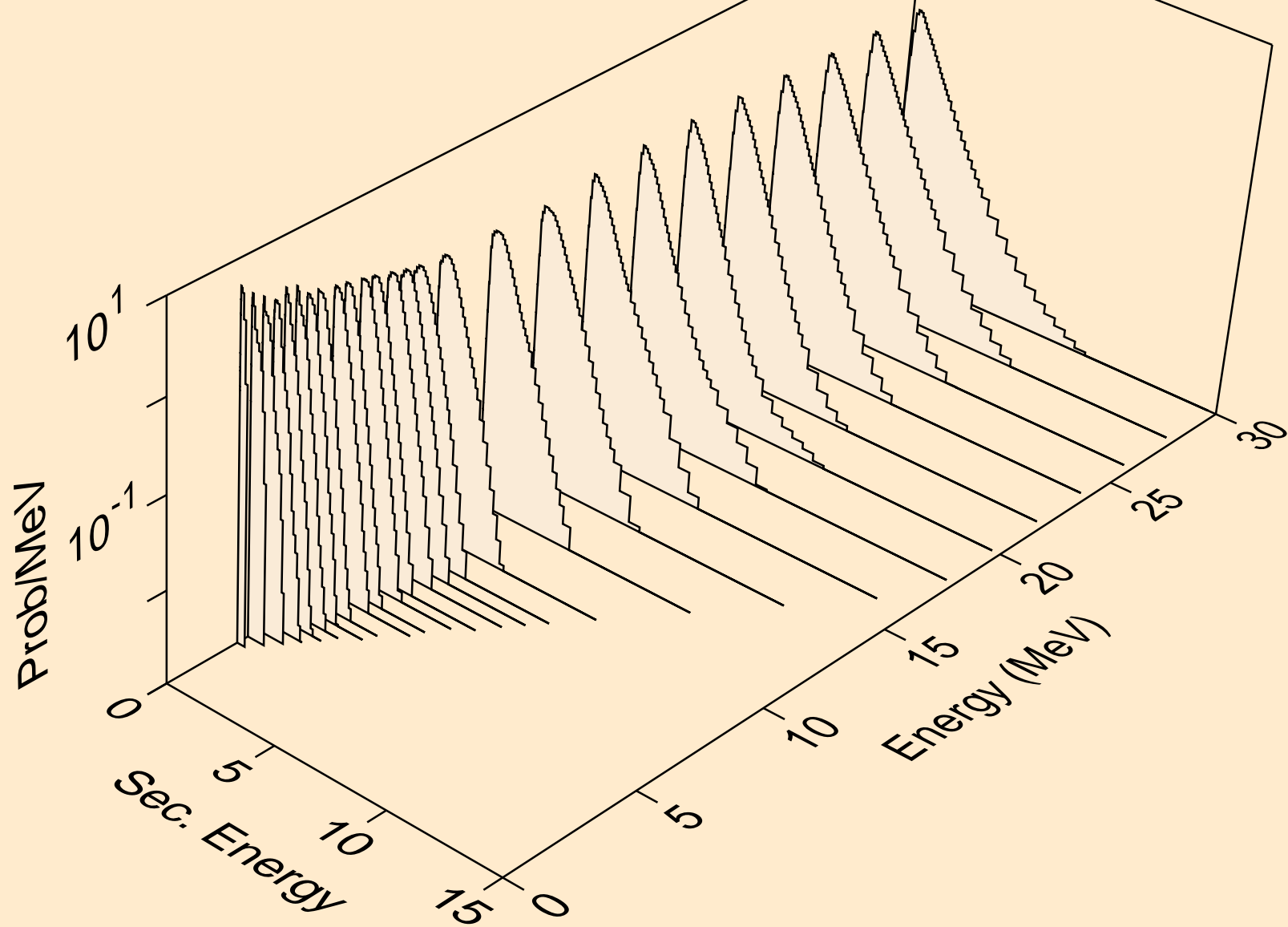
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Neutron emission for (n,2n)



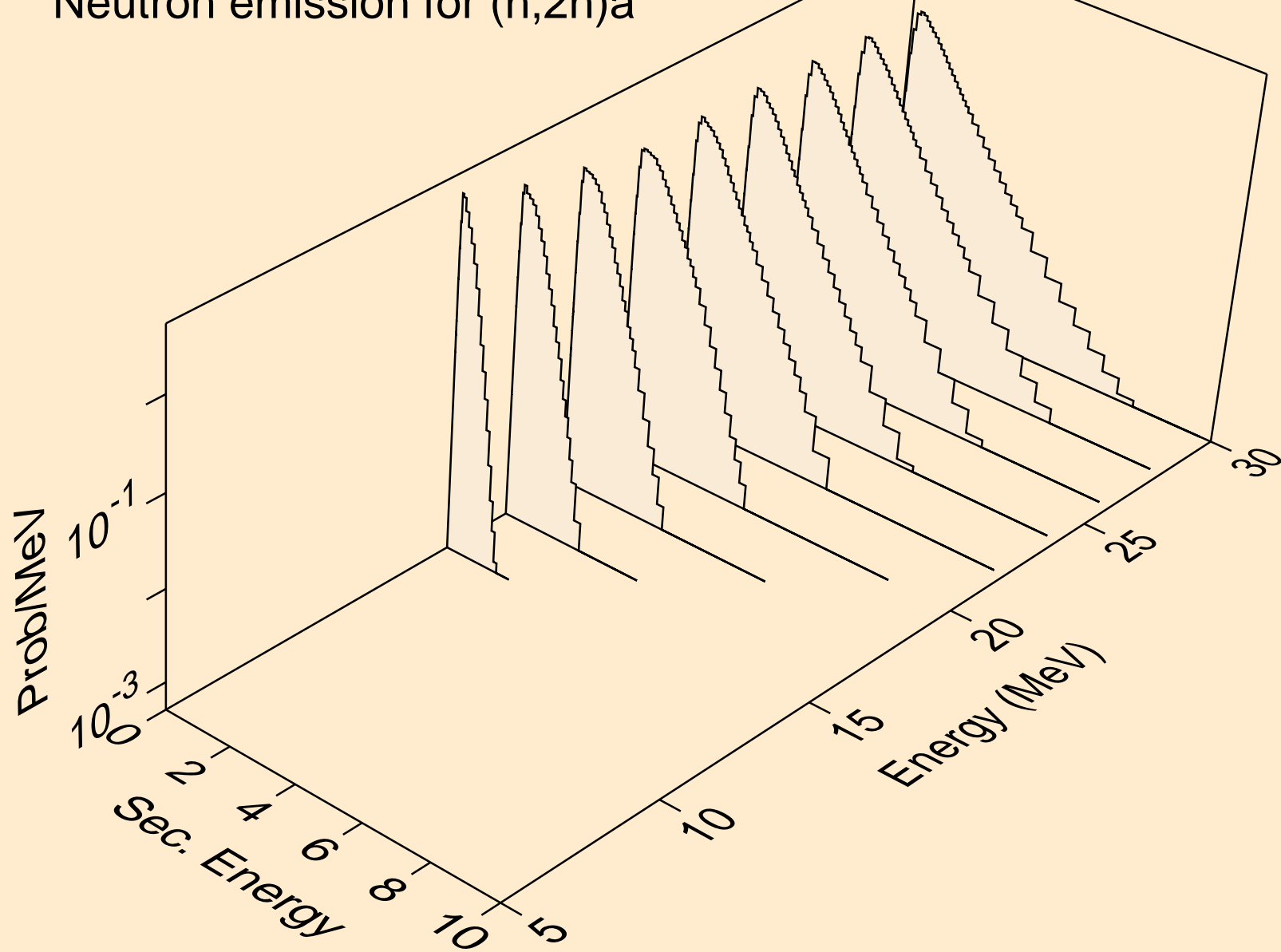
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



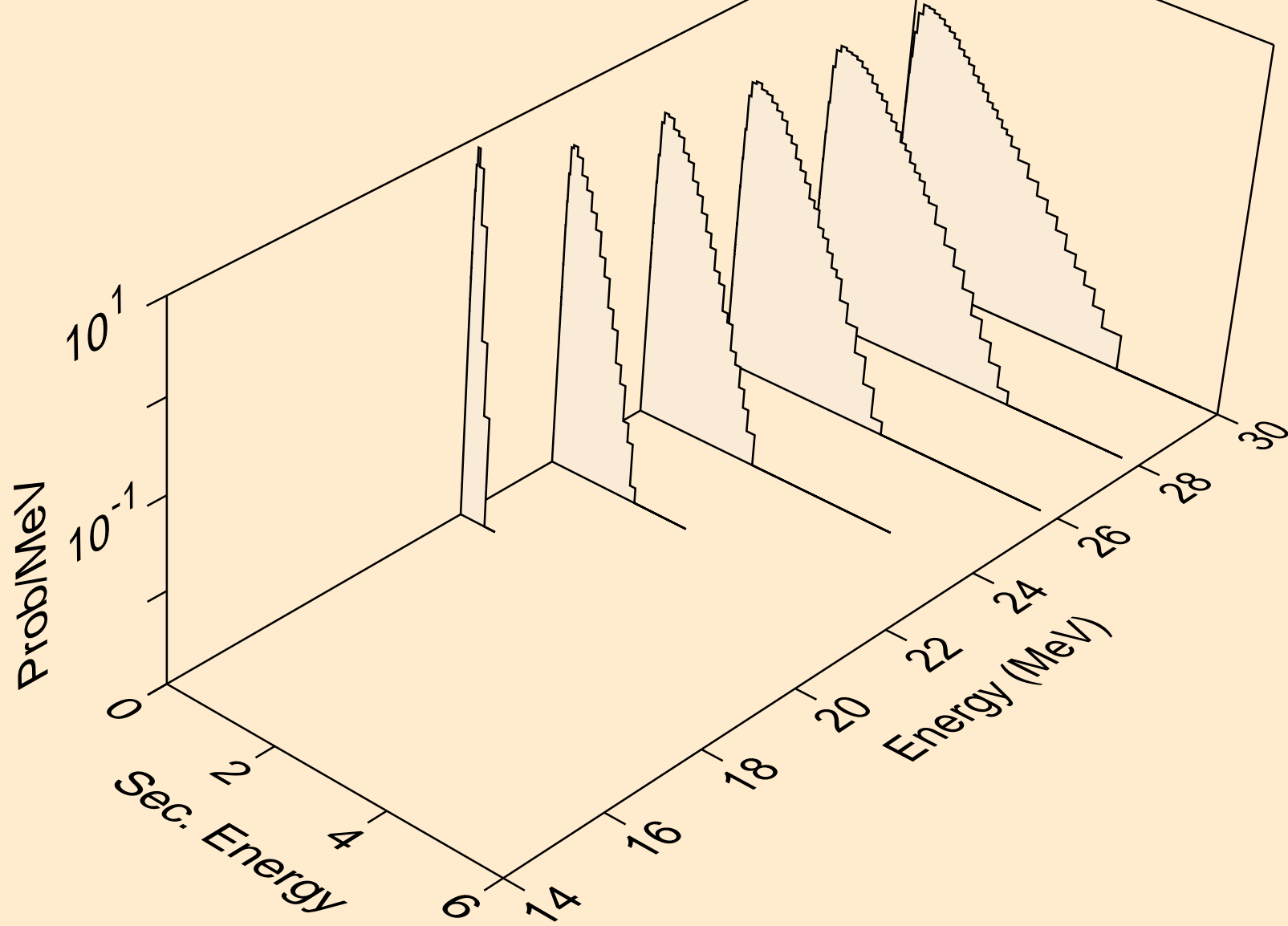
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Neutron emission for (n,n\*)a



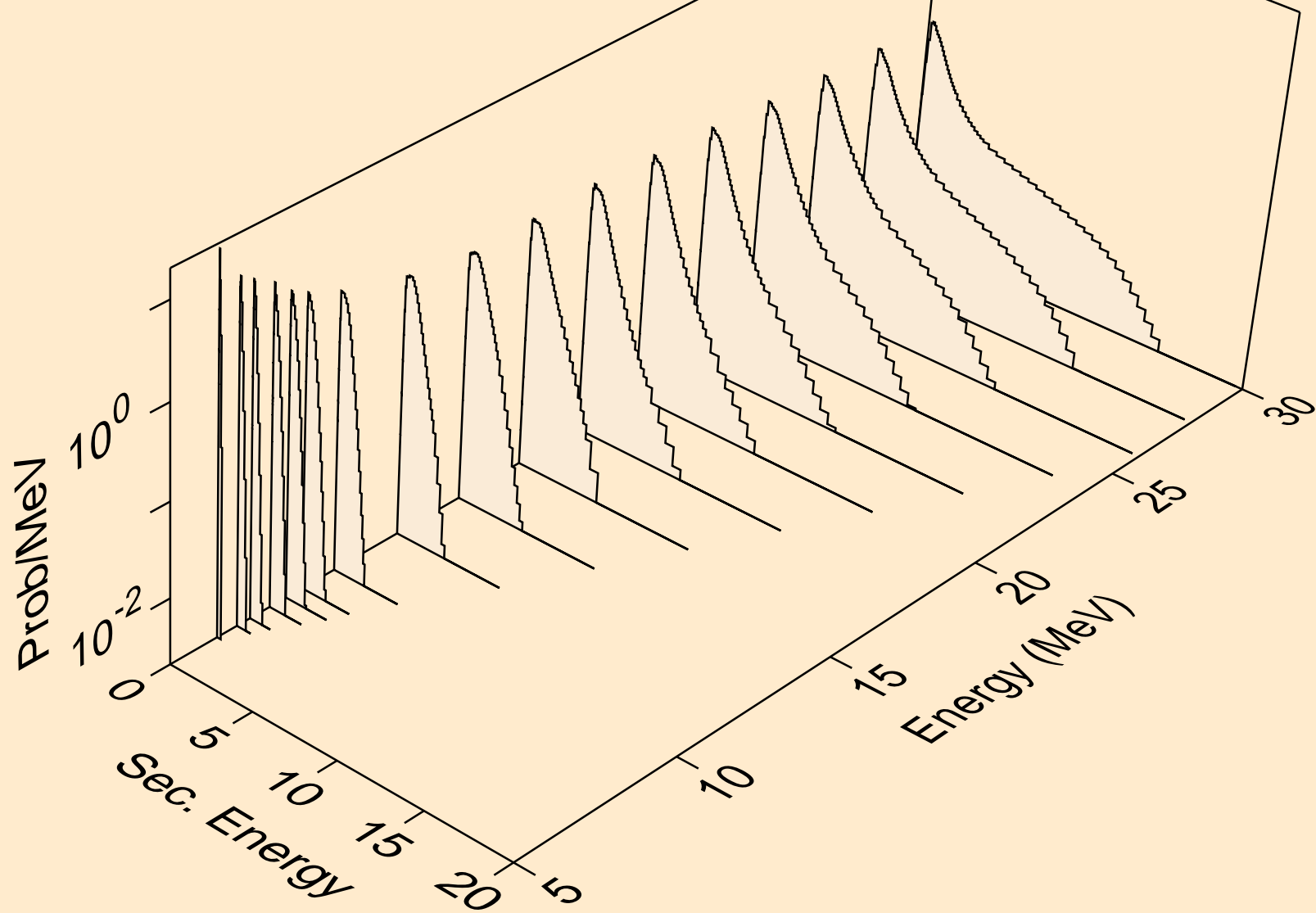
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Neutron emission for (n,2n)<sub>a</sub>



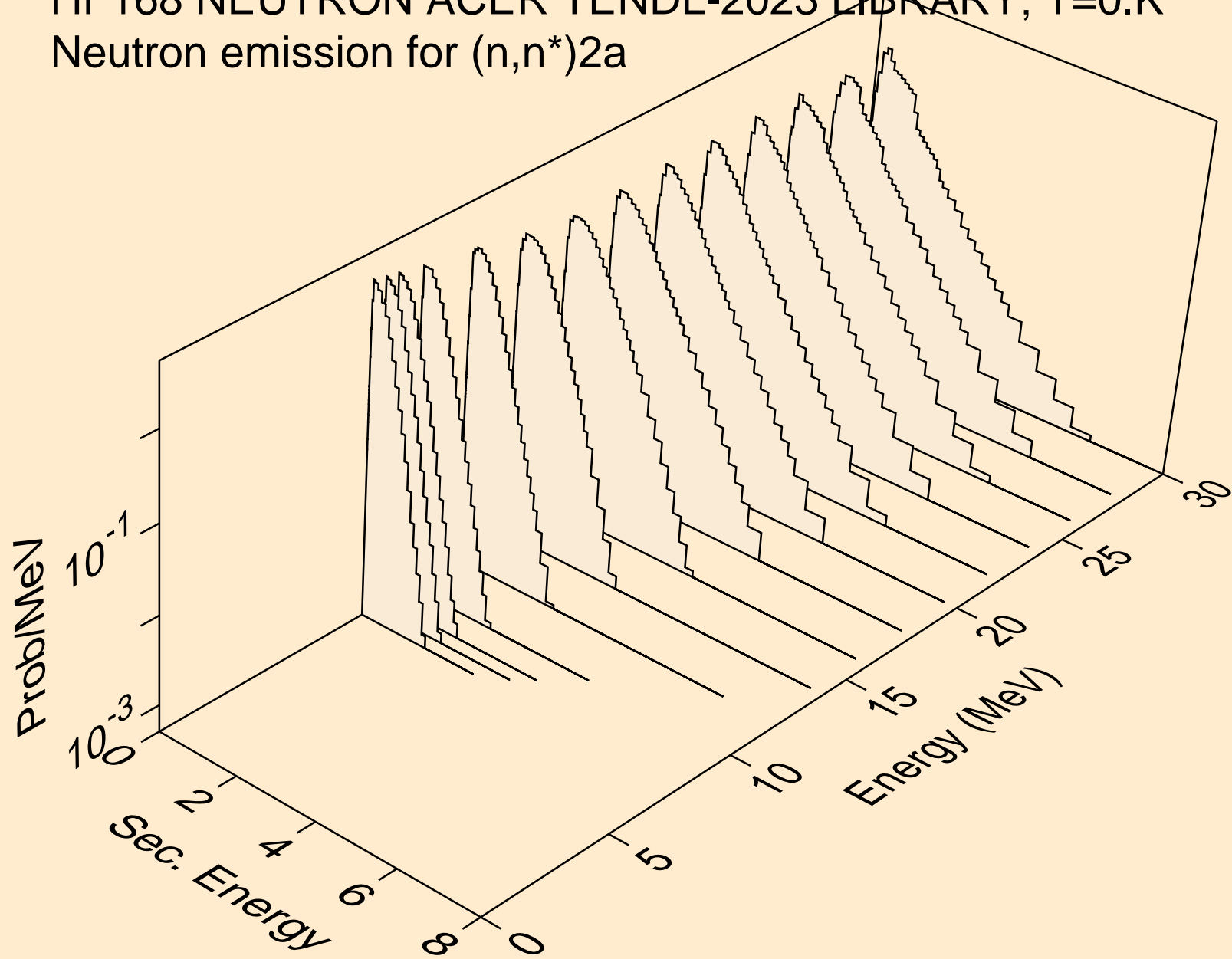
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Neutron emission for (n,3n)a



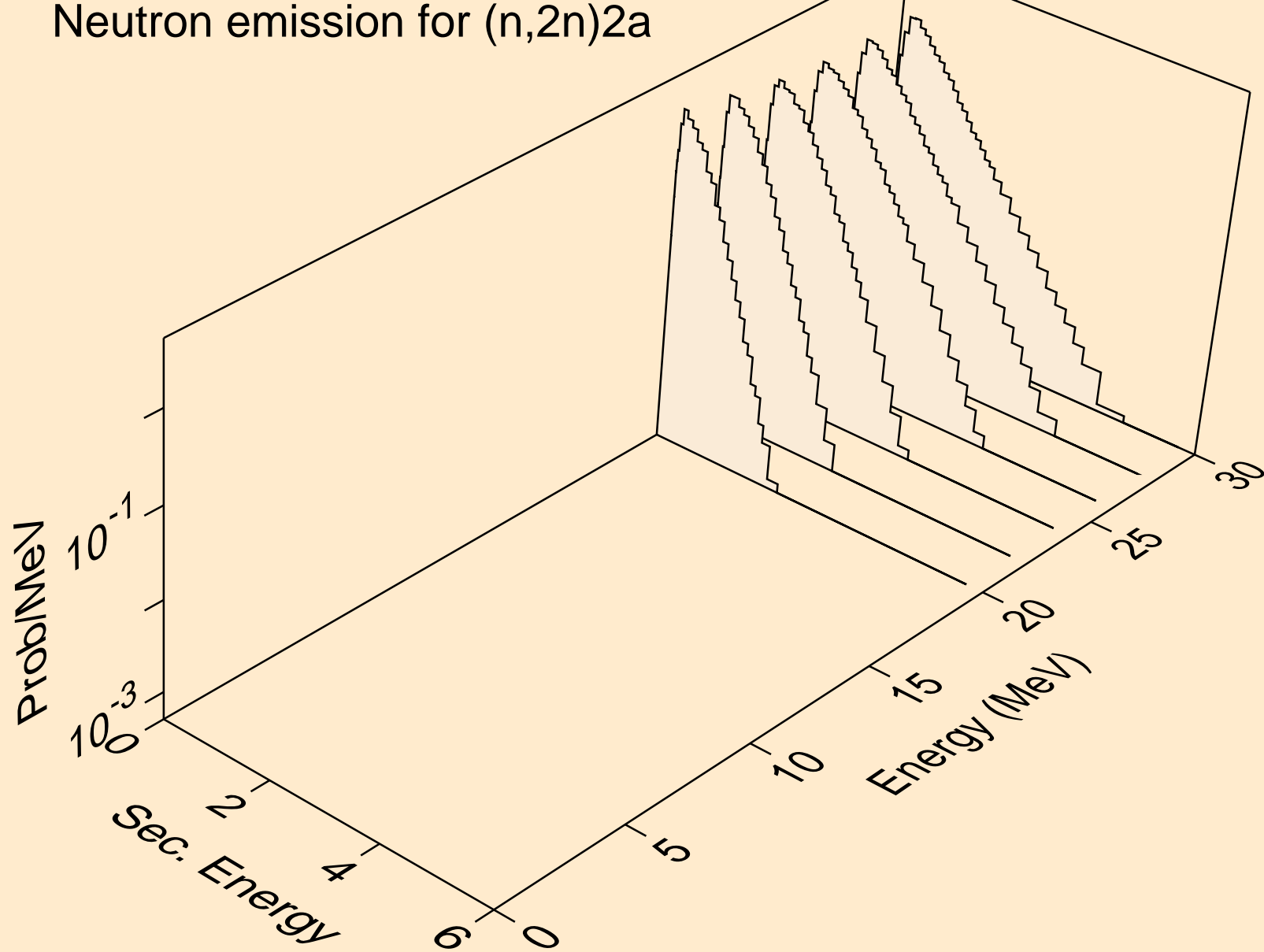
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

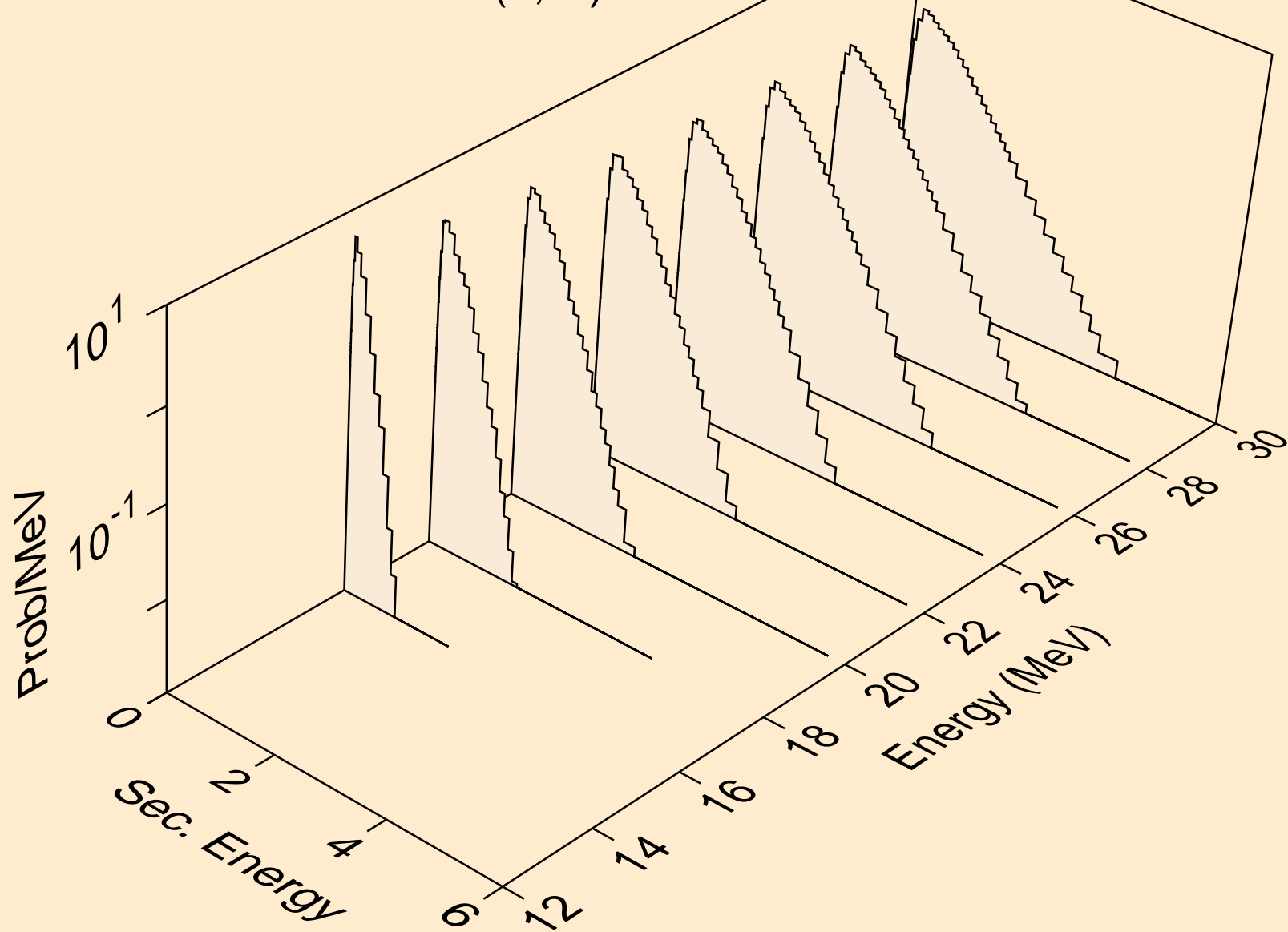


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

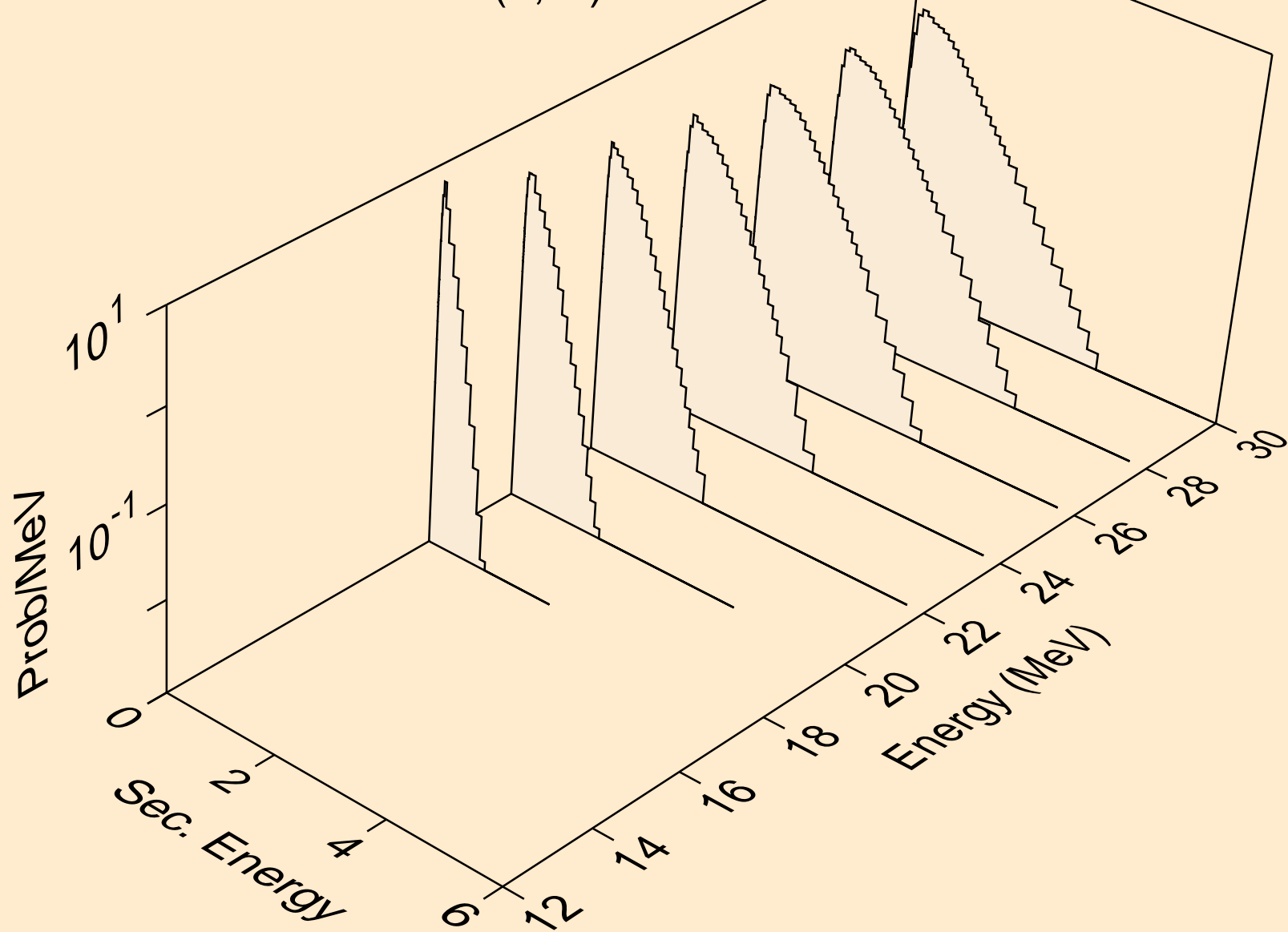




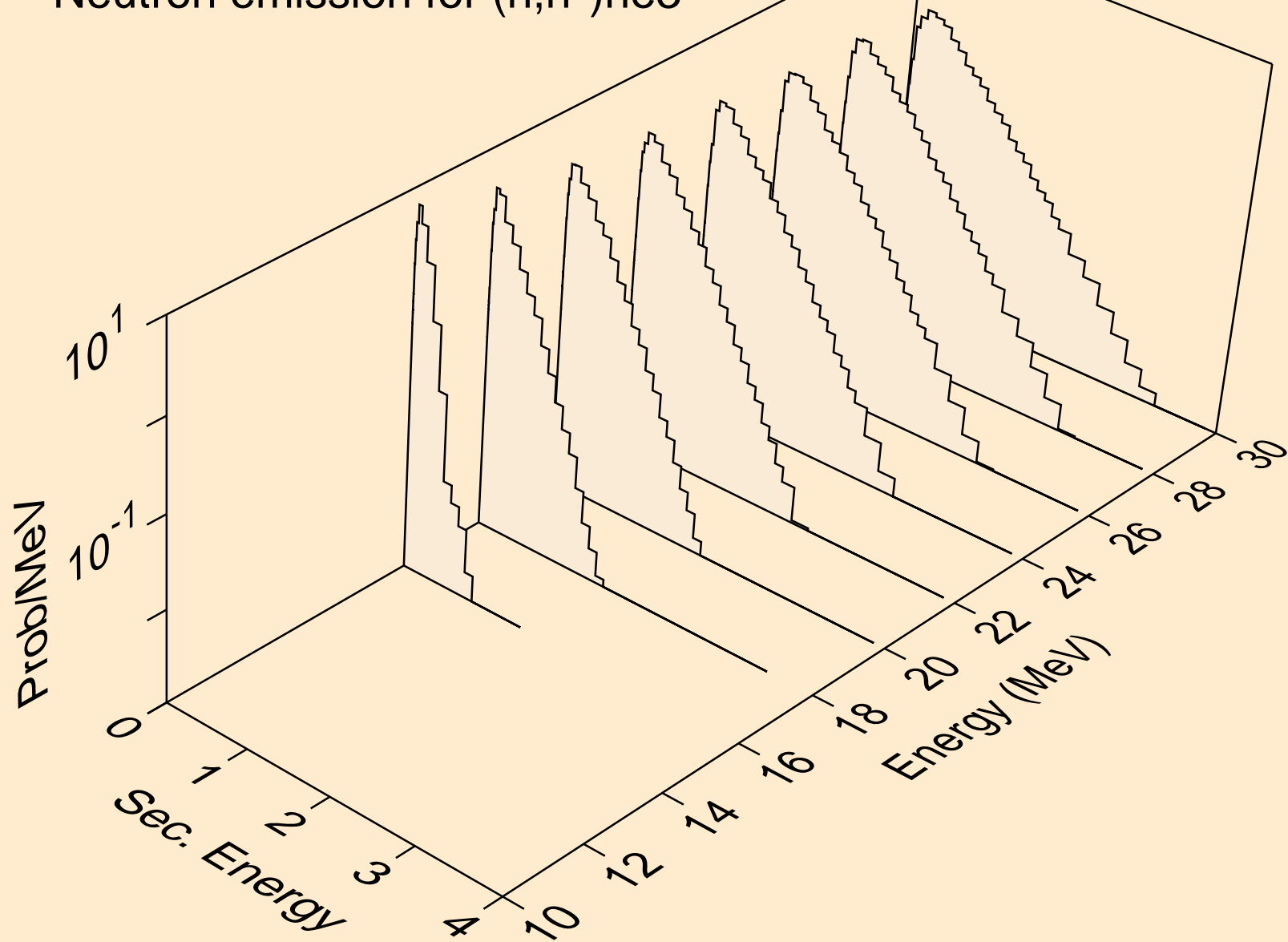
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Neutron emission for (n,n\*)d



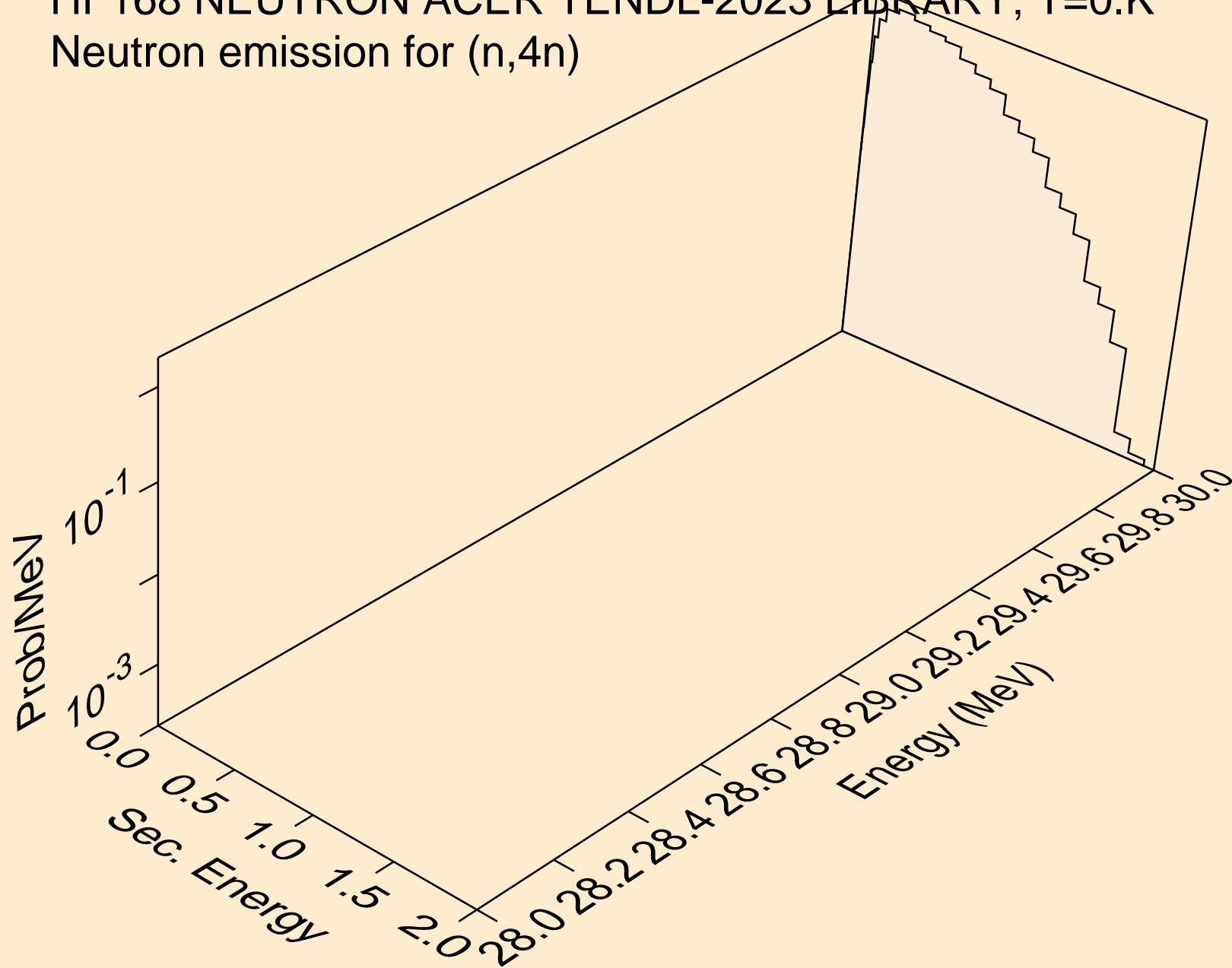
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Neutron emission for (n,n\*)t



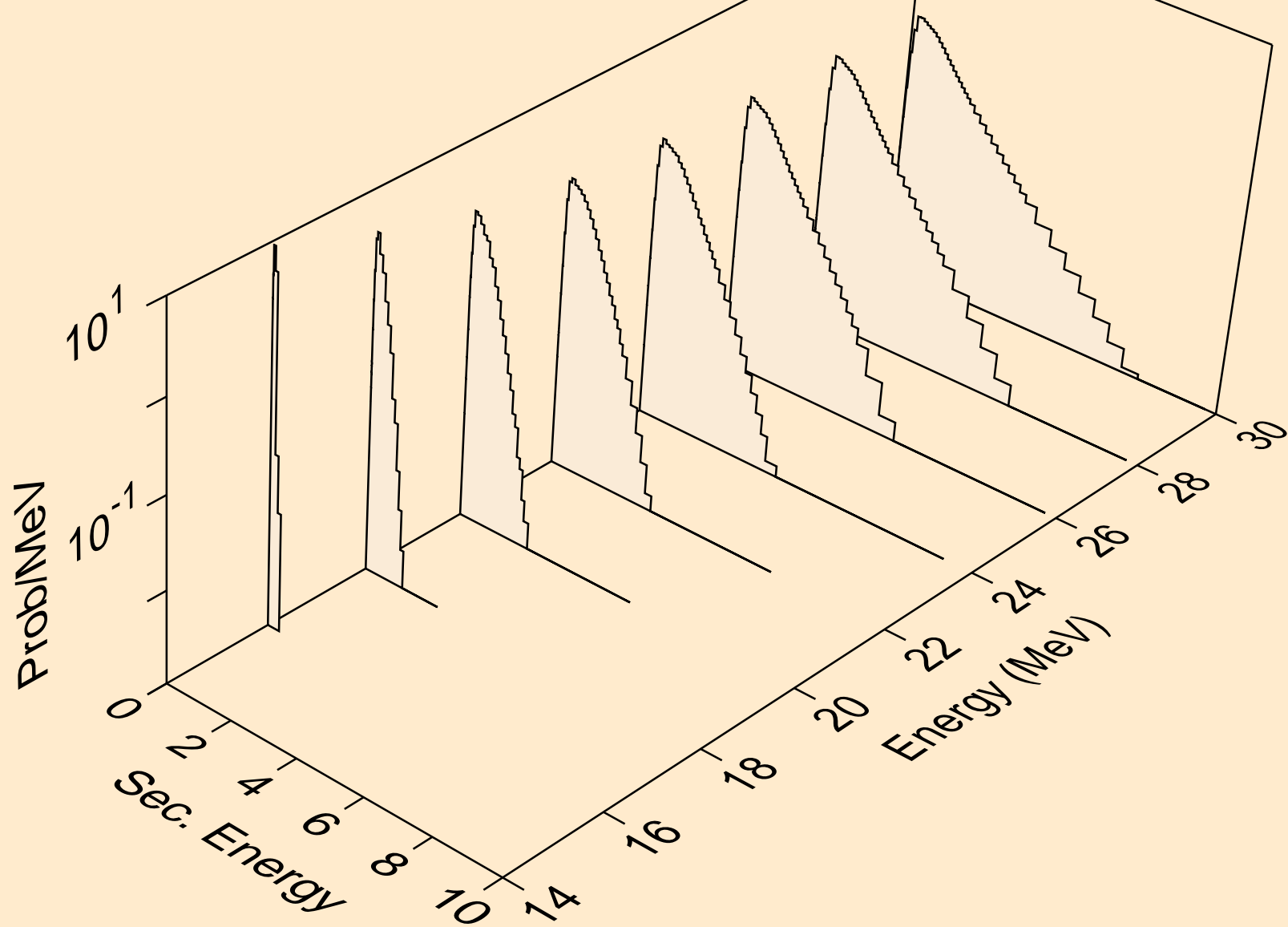
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



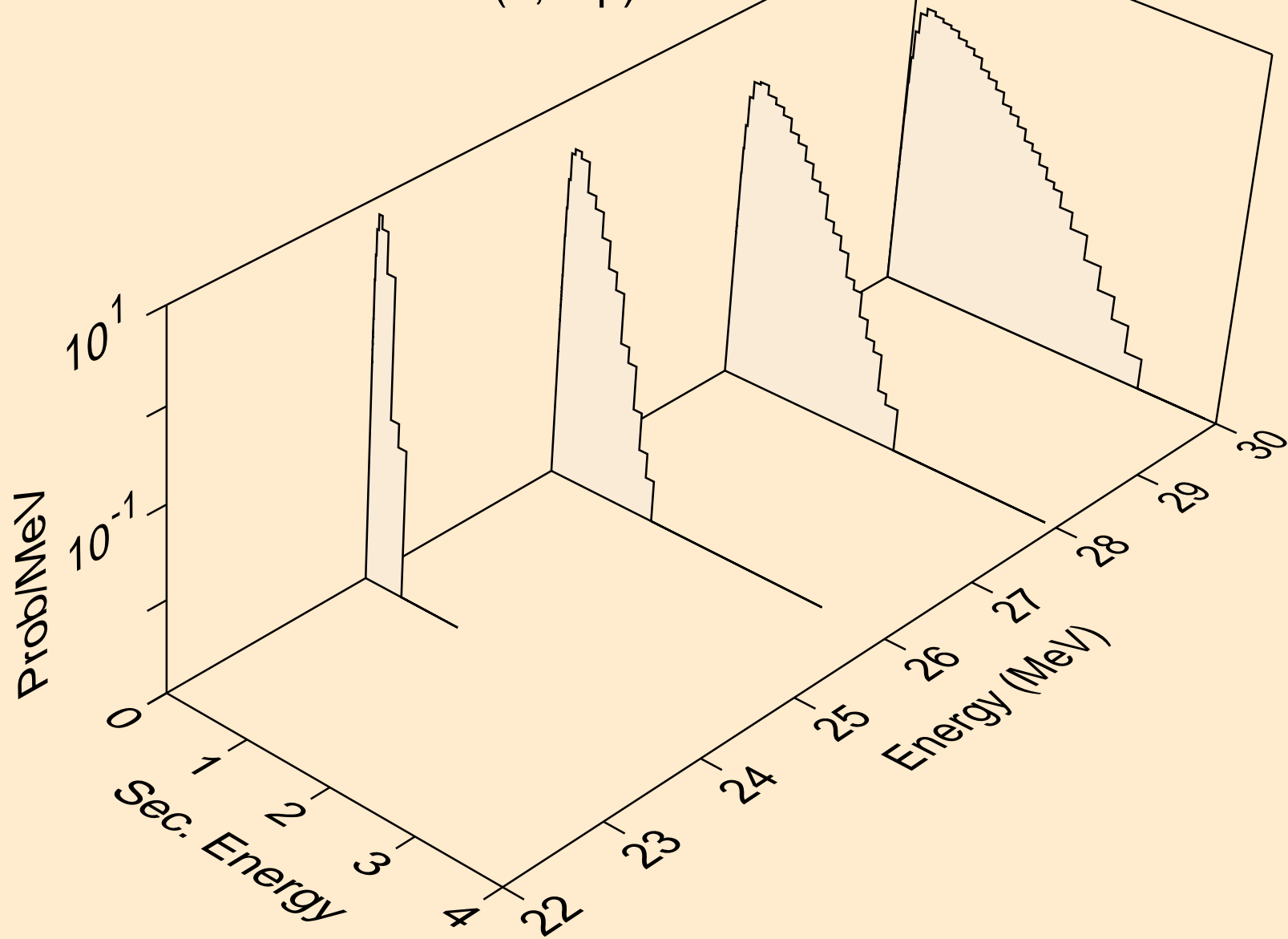
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



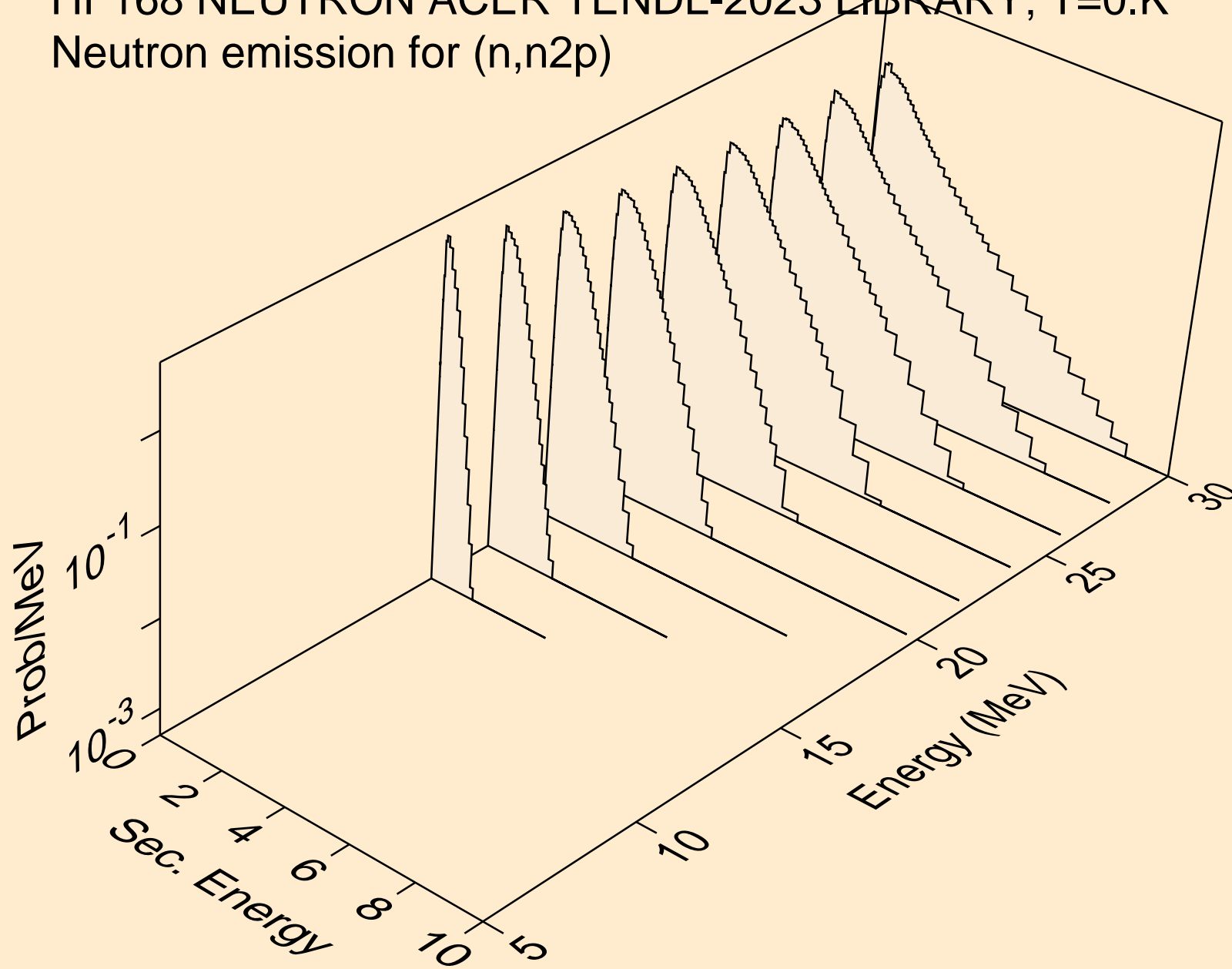
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



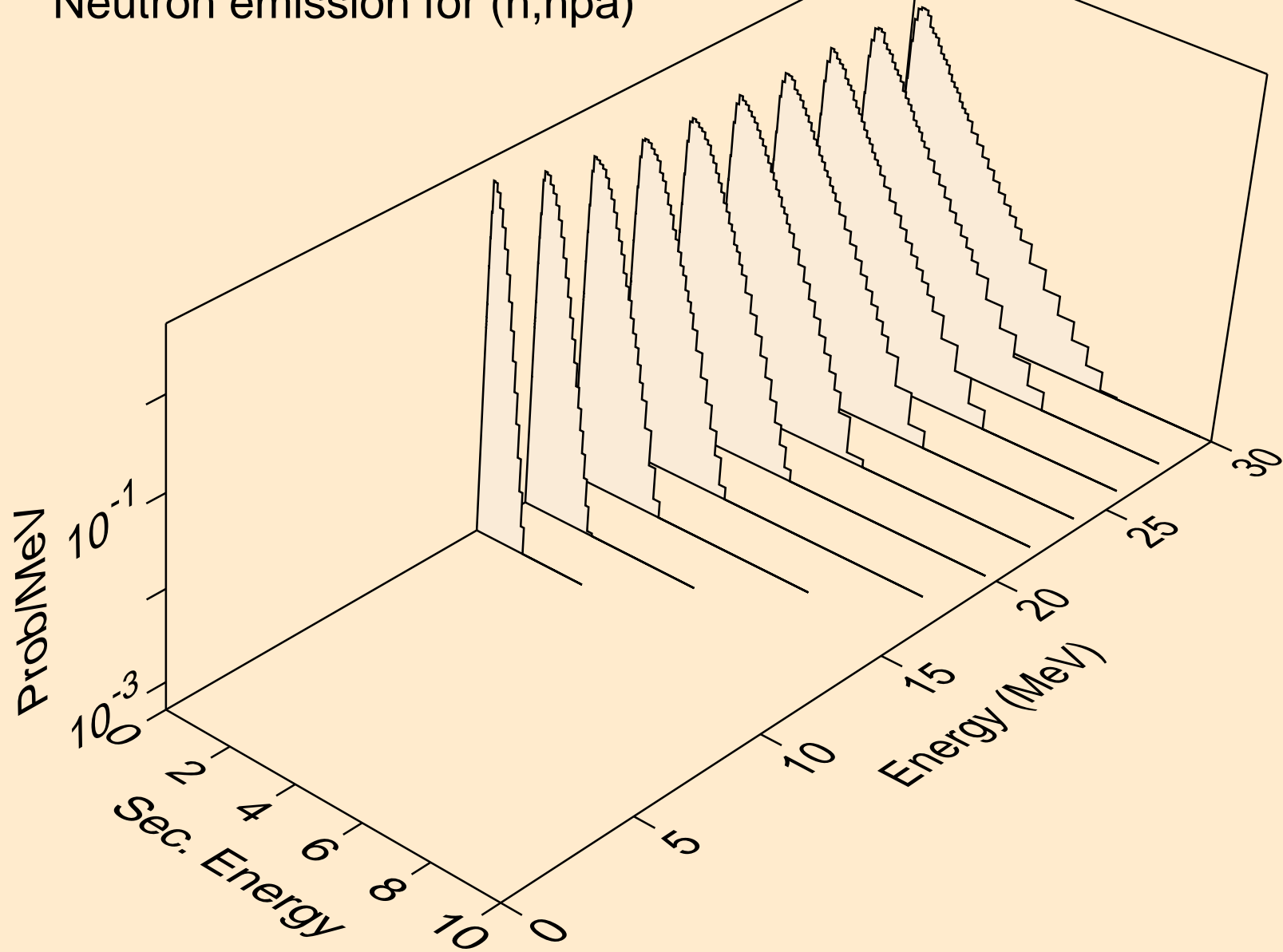
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

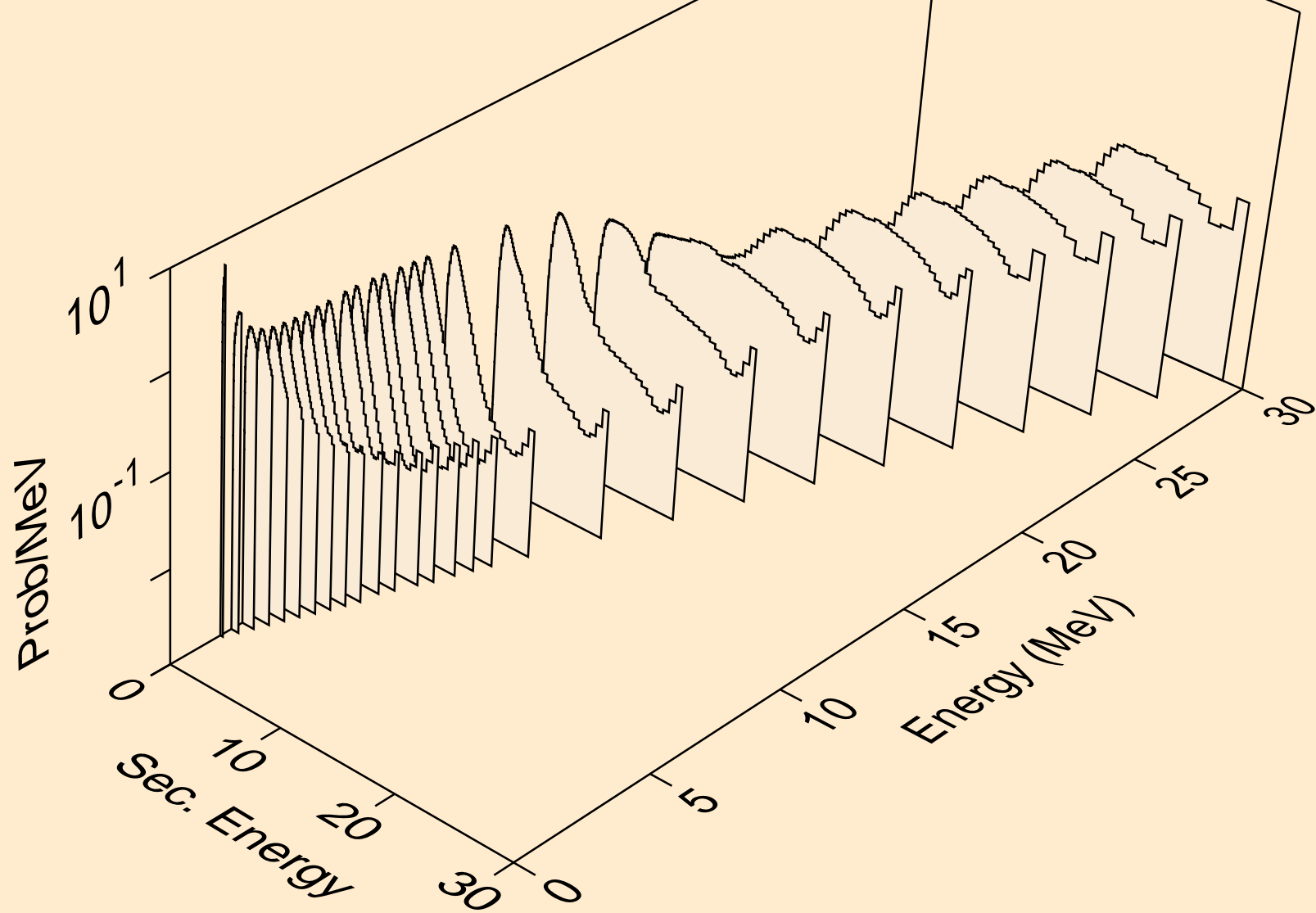


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

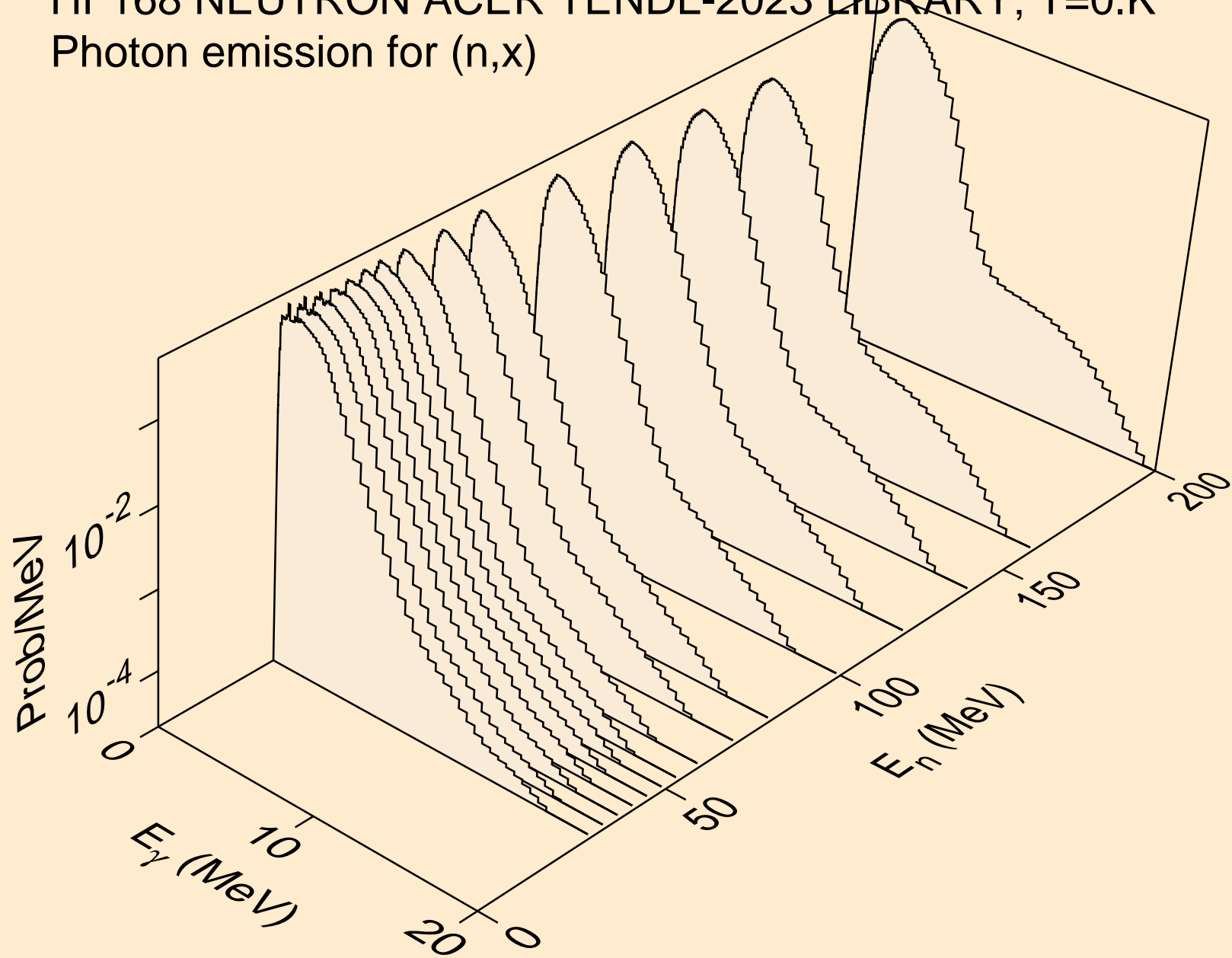




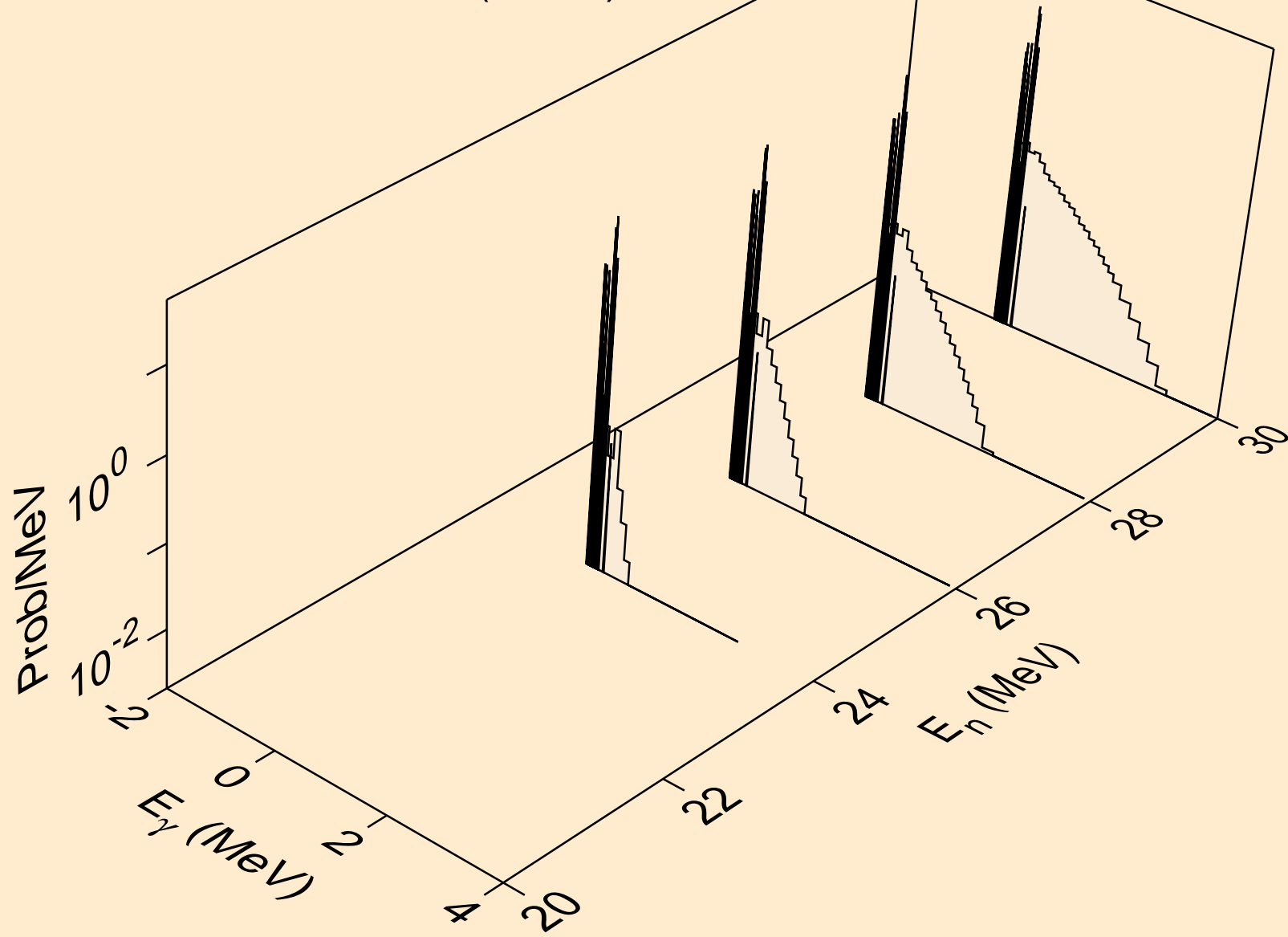
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Neutron emission for (n,n\*c)



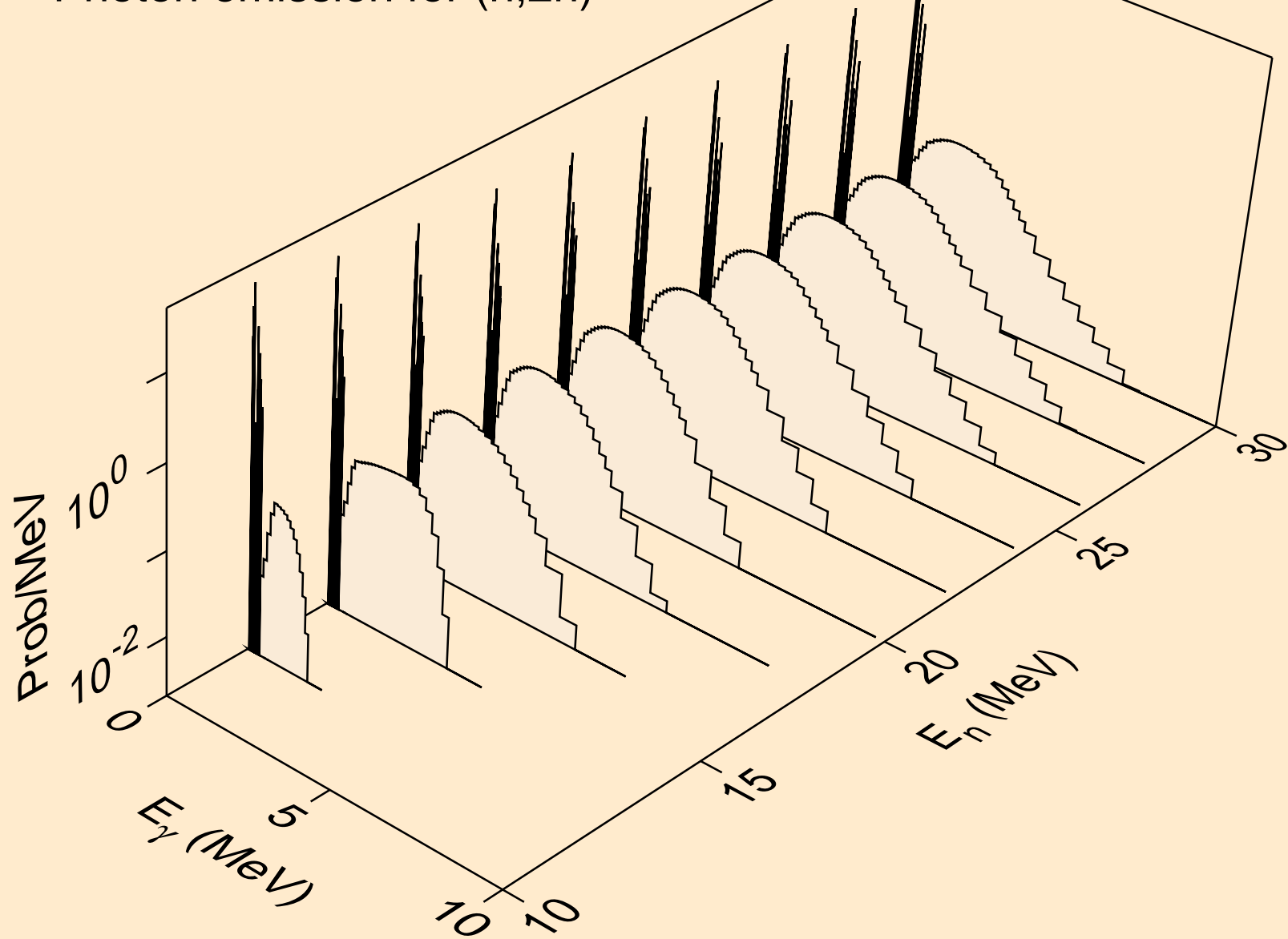
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



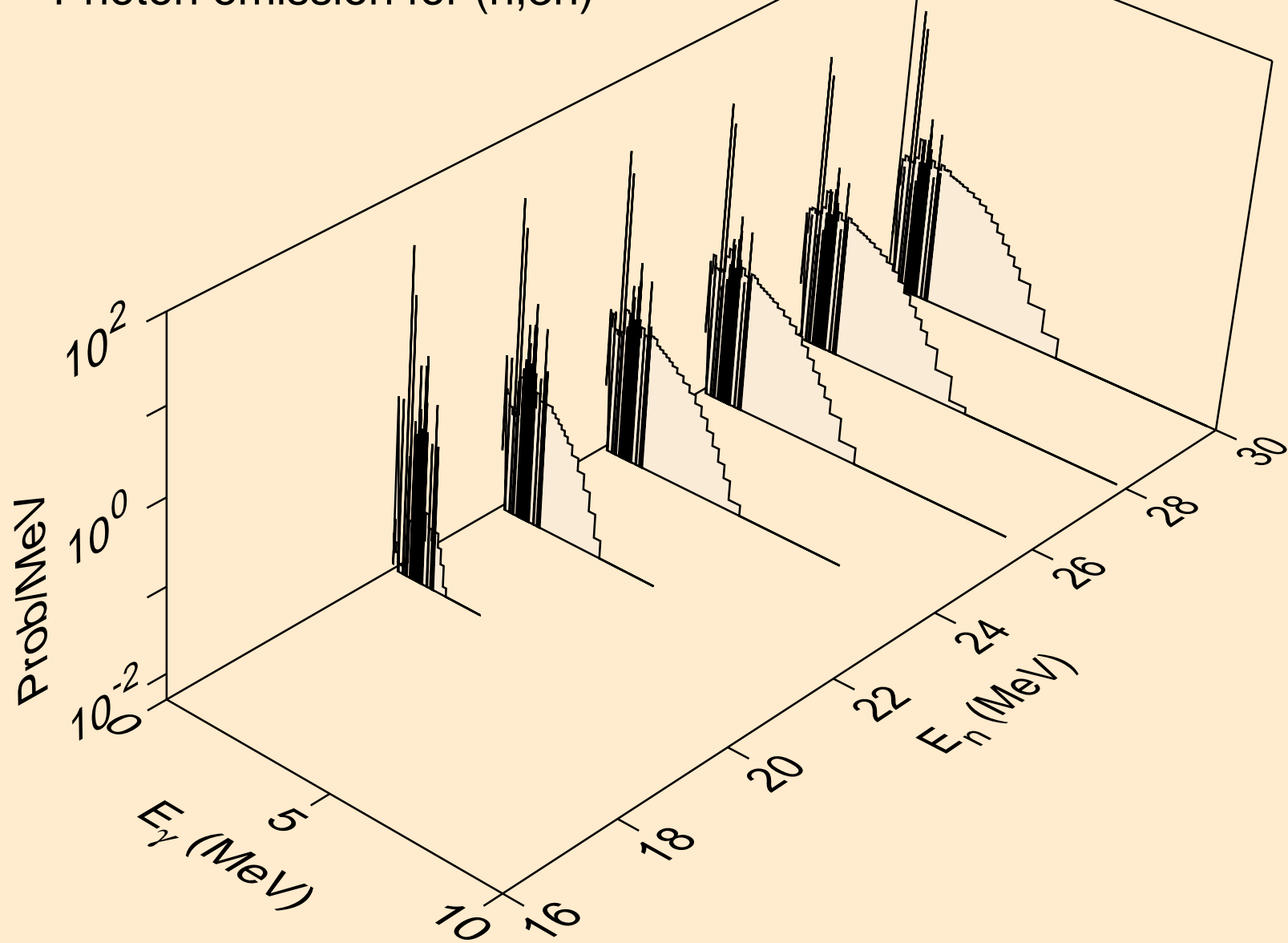
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



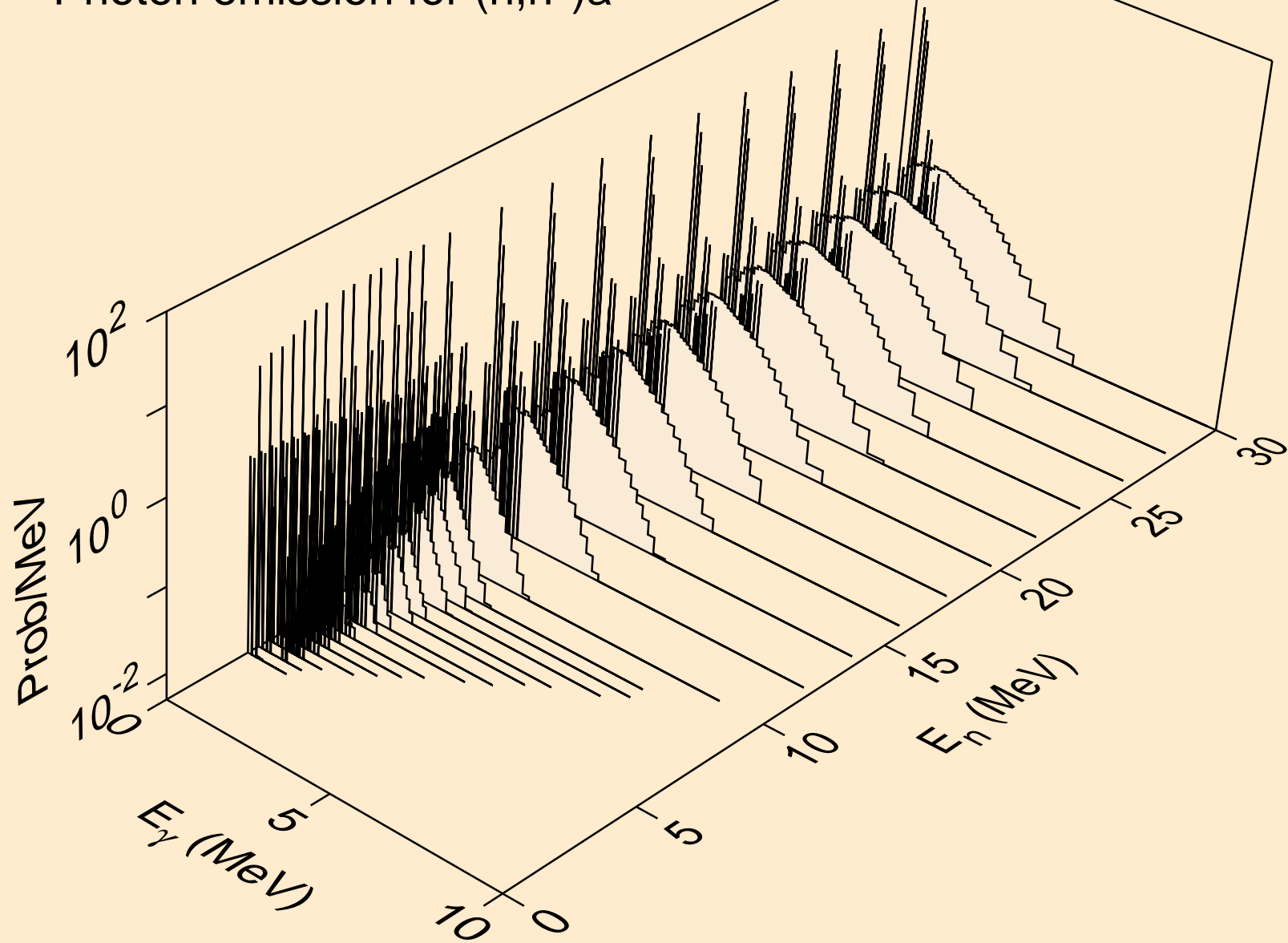
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



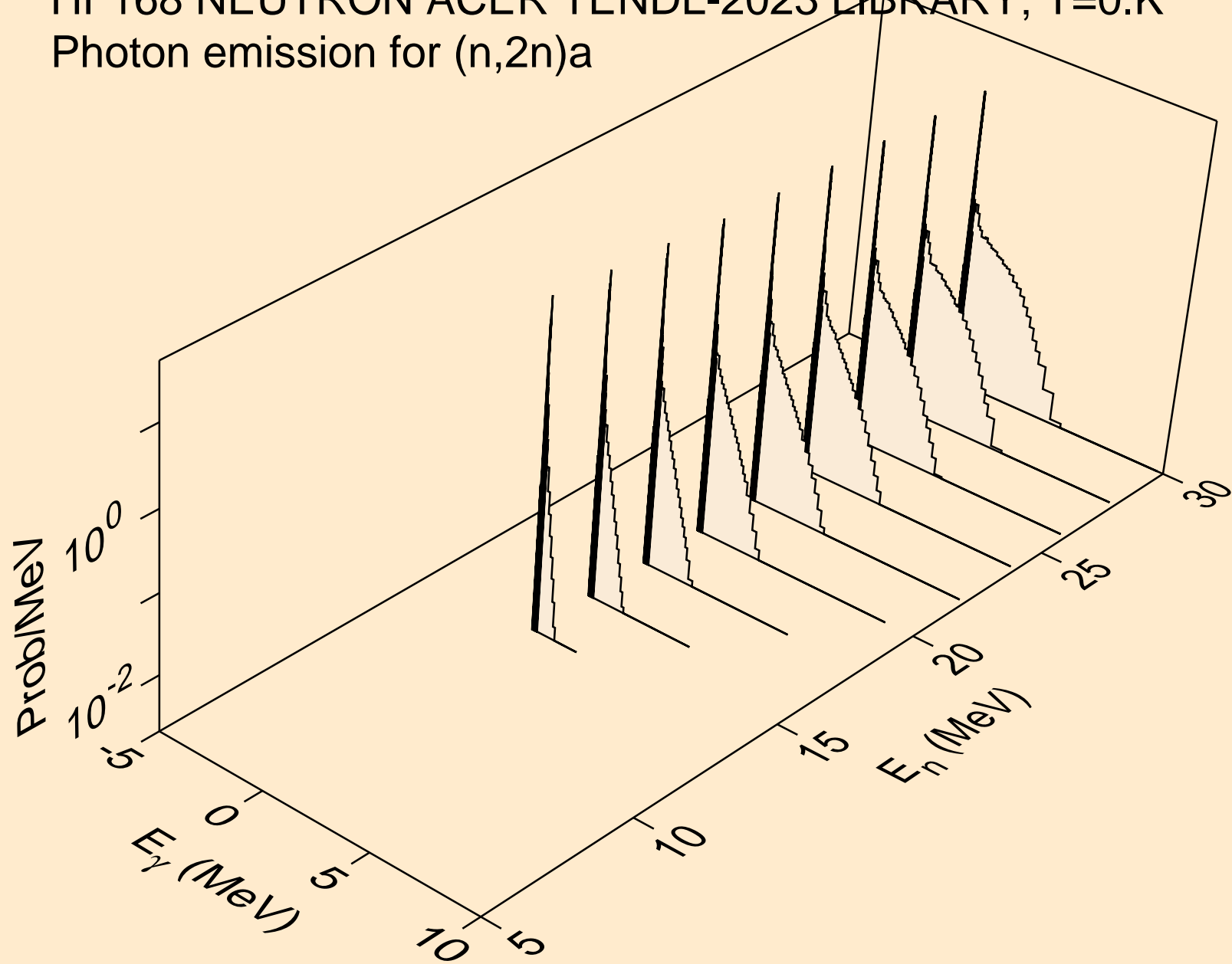
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



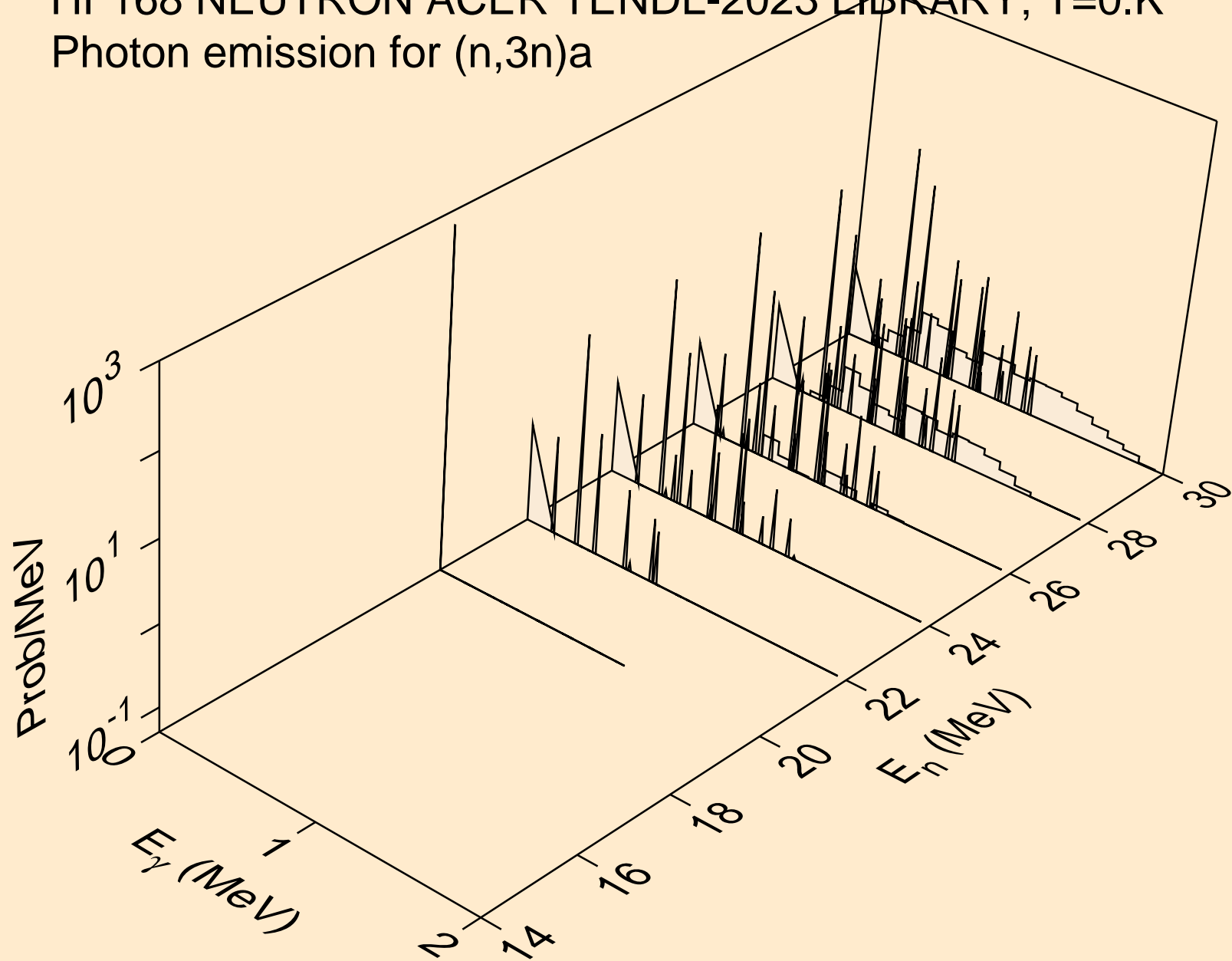
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

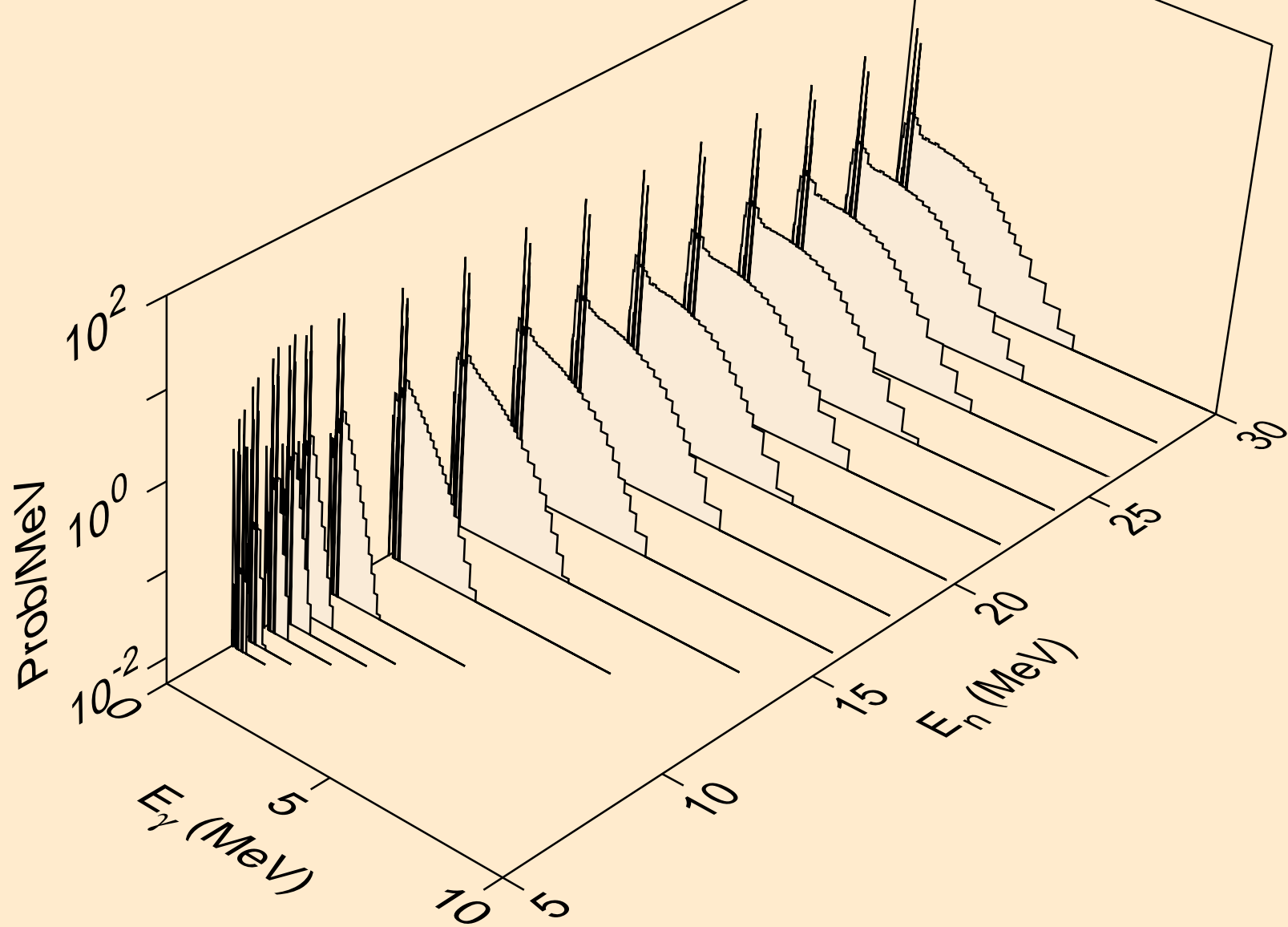


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

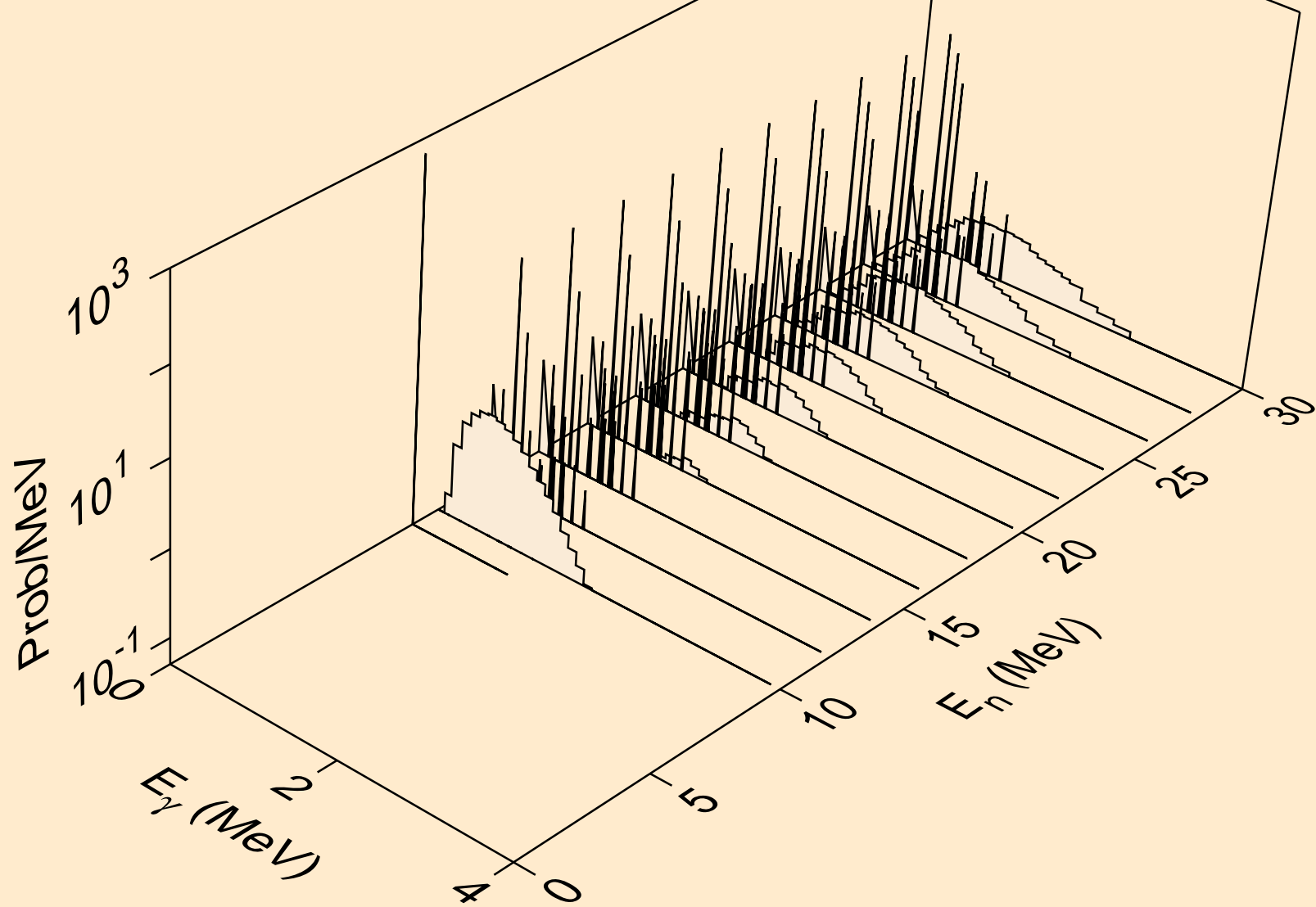




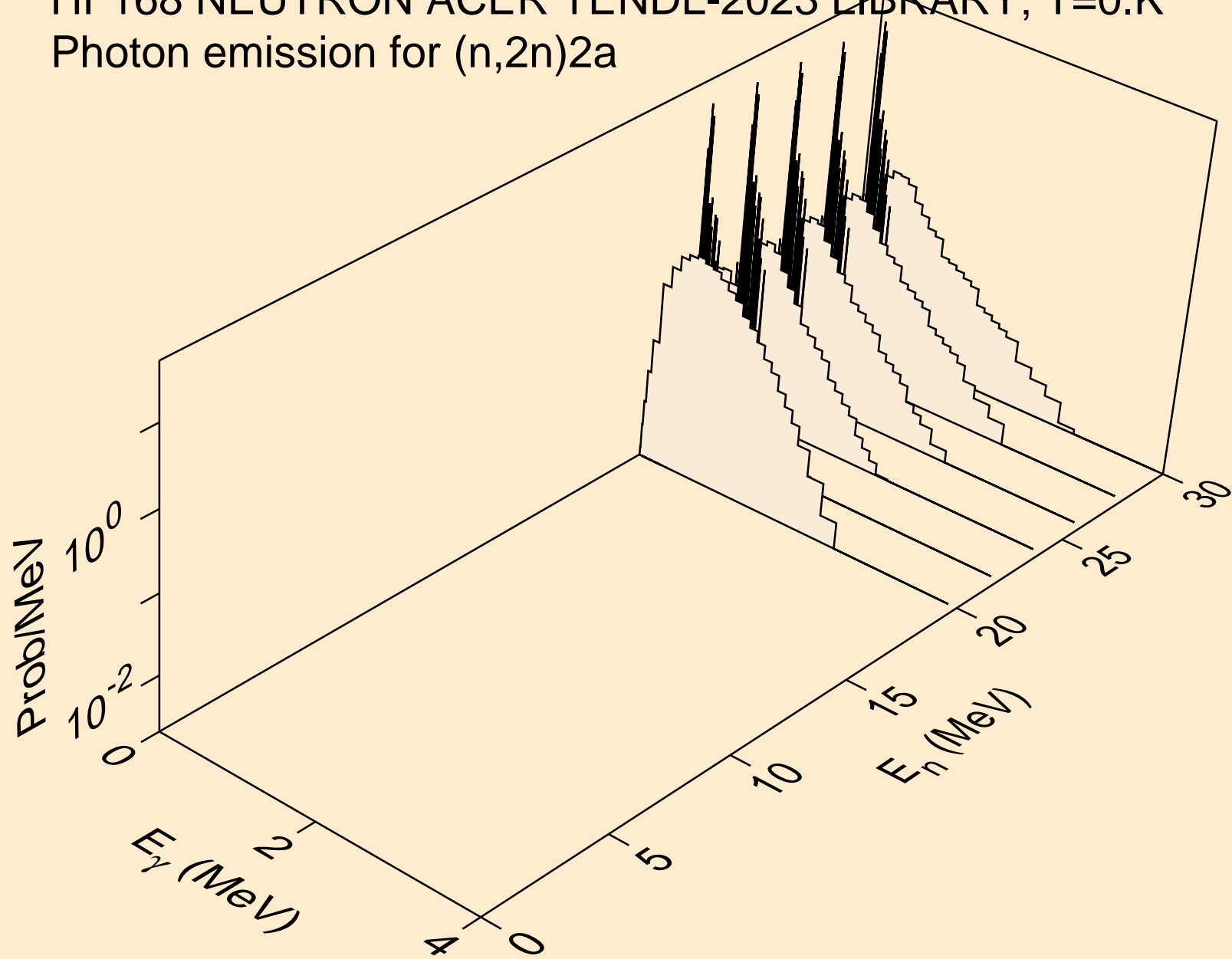
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



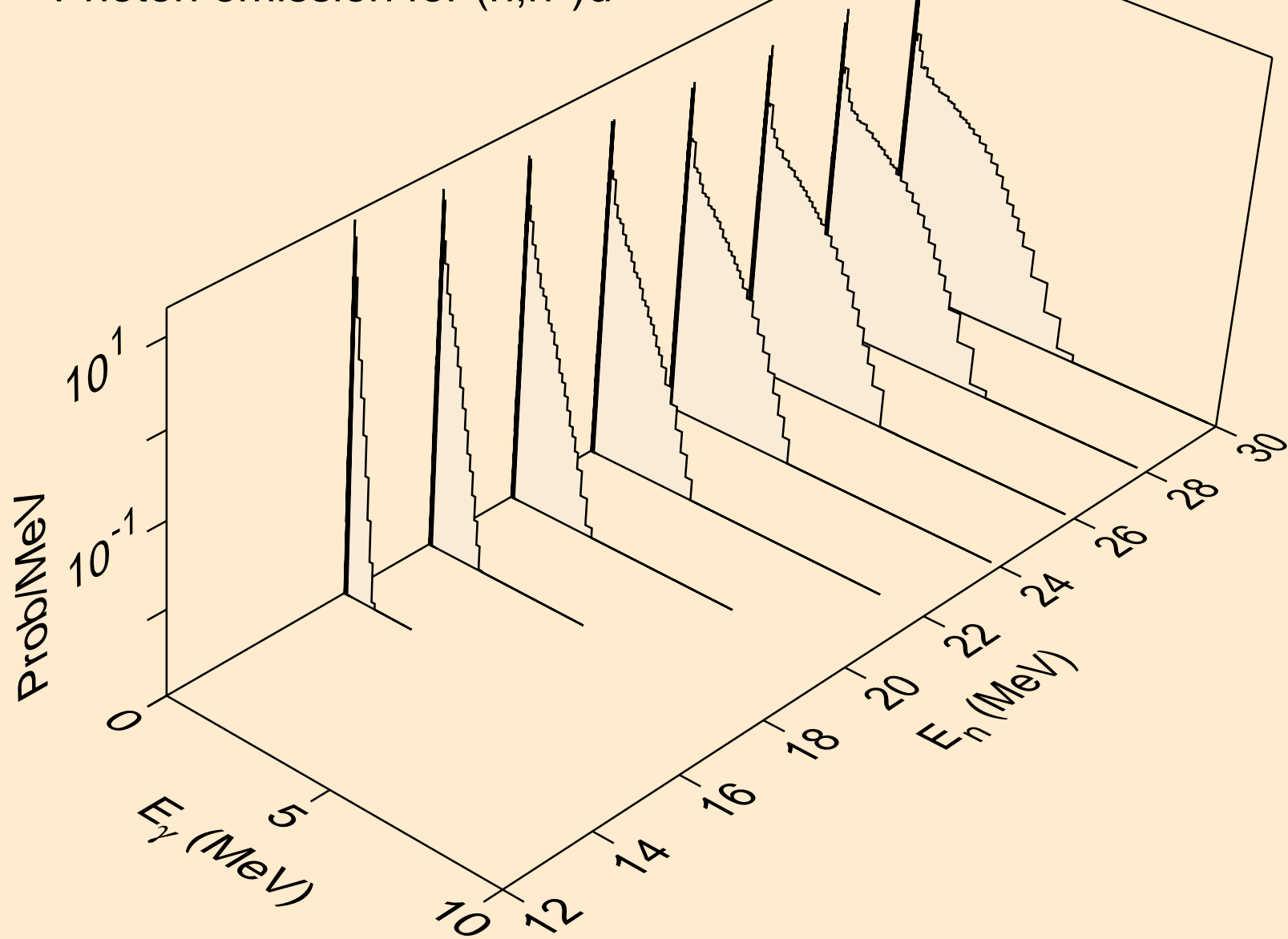
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



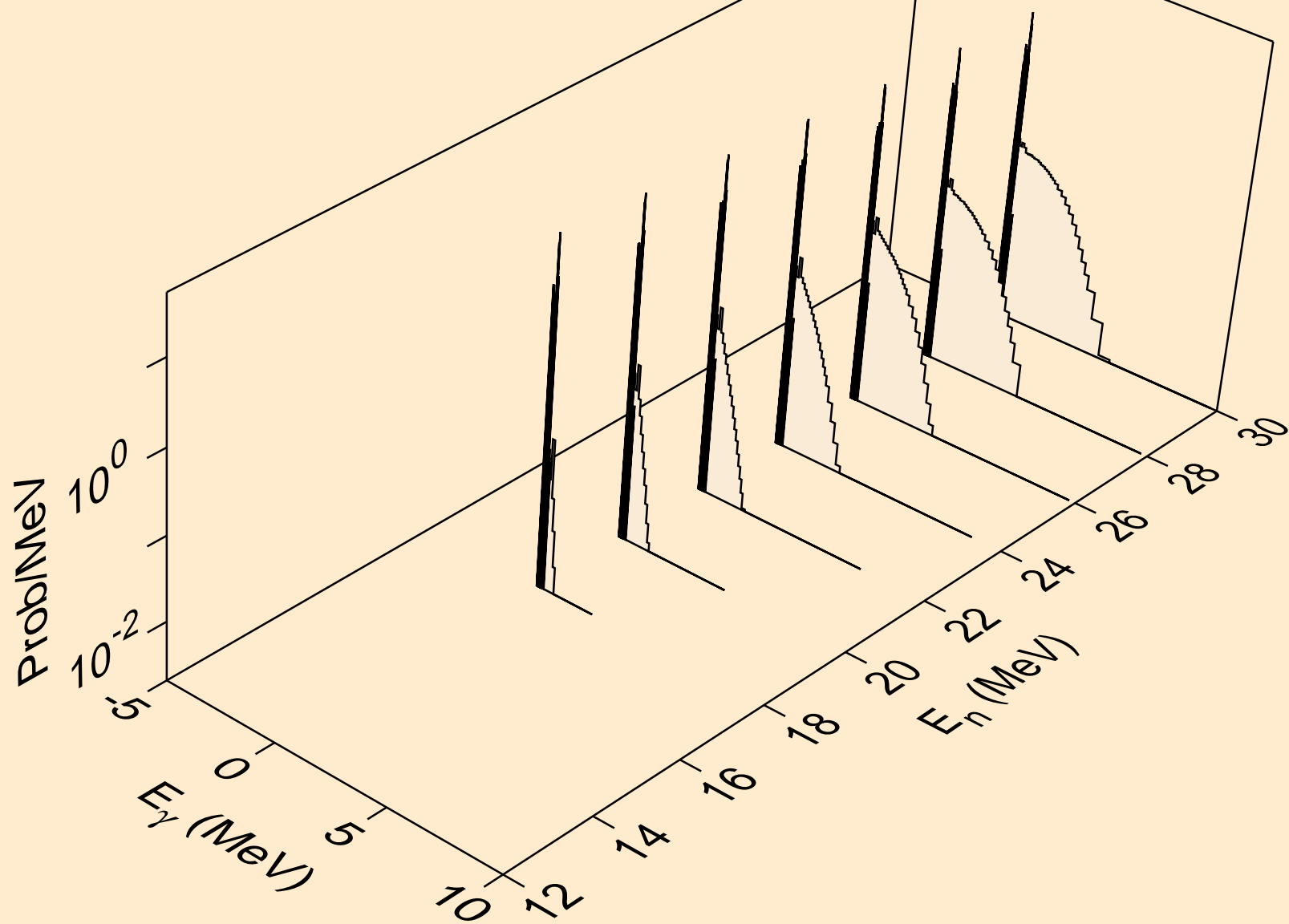
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Photon emission for (n,2n)2a



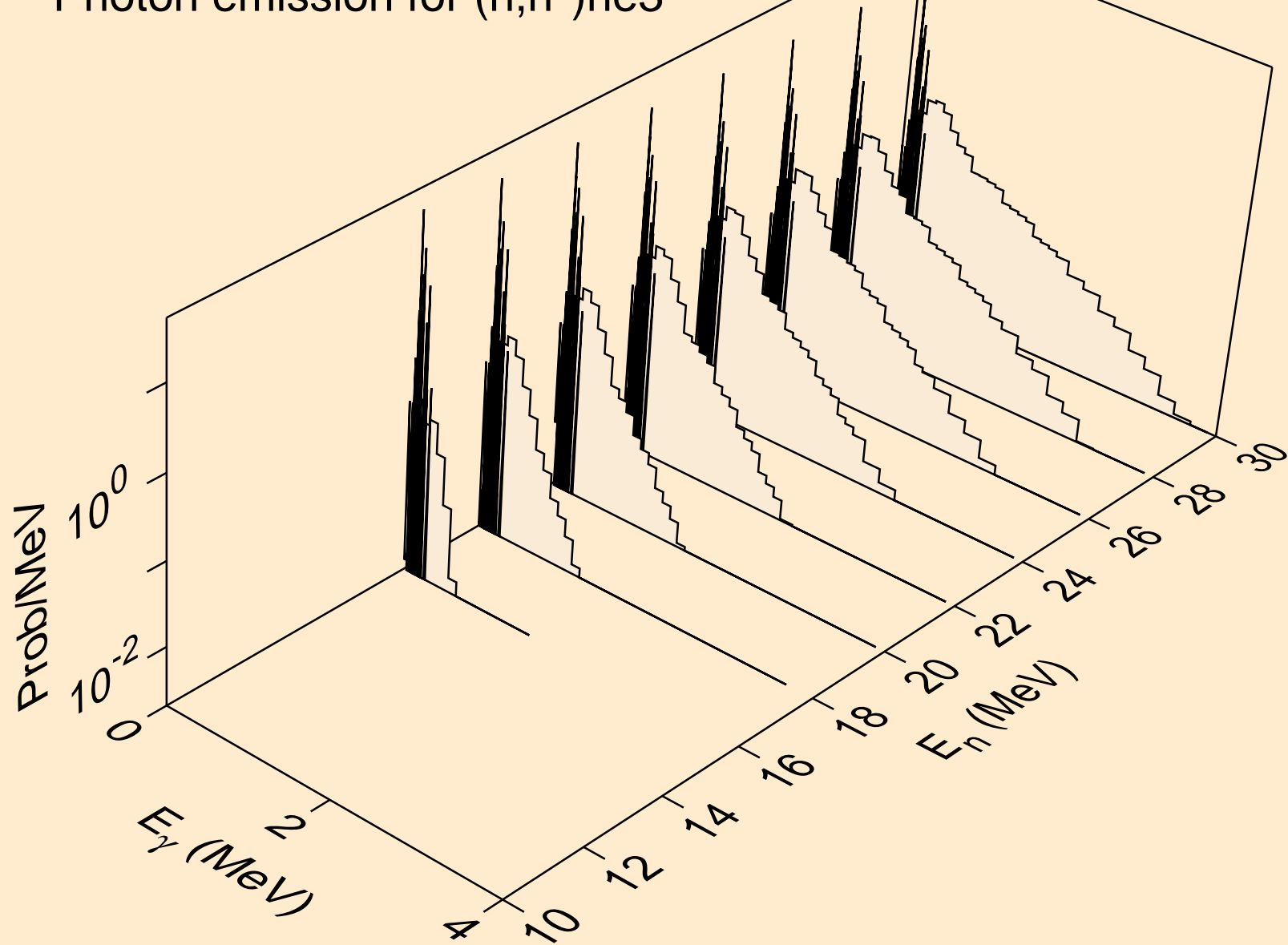
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Photon emission for (n,n\*)d



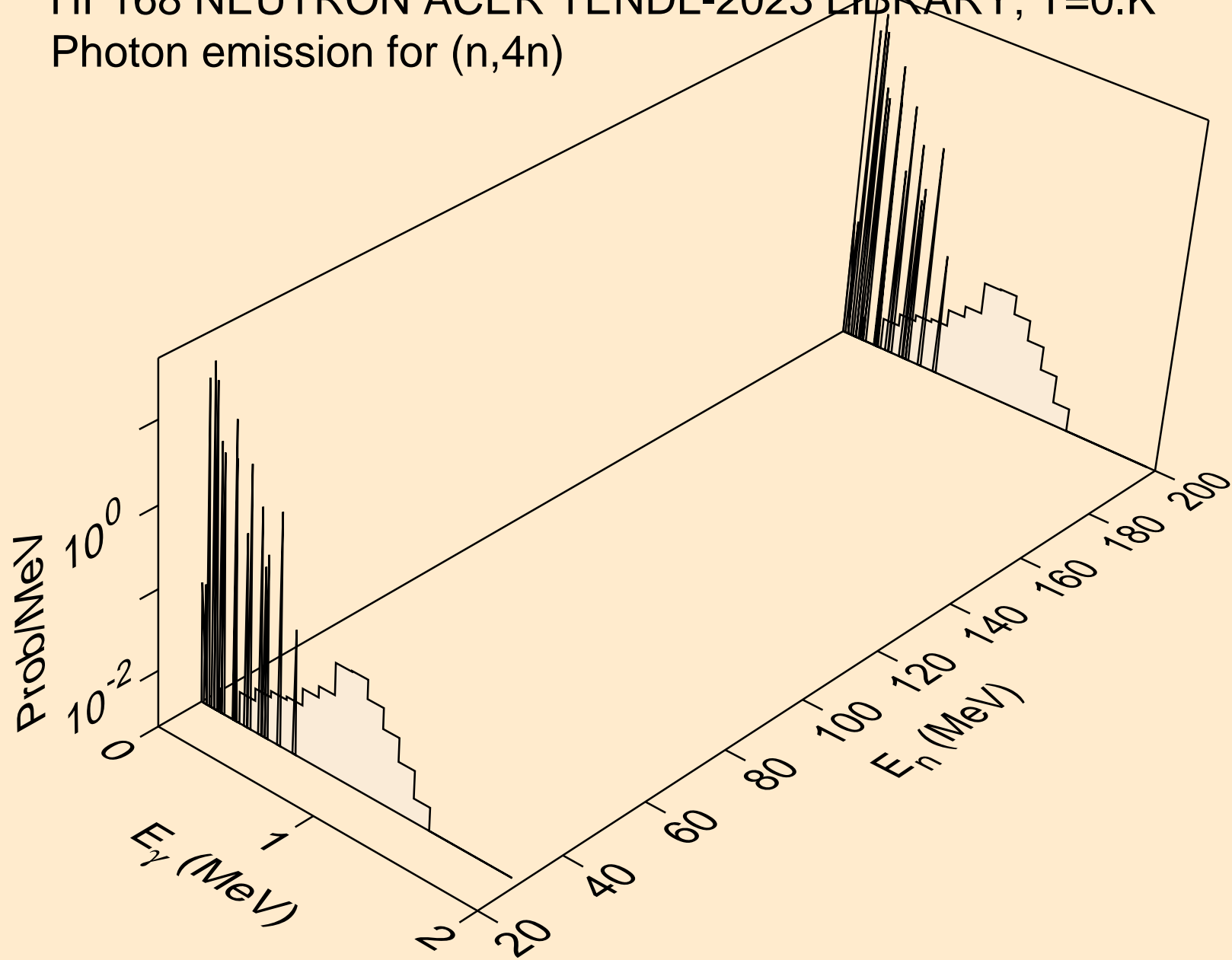
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



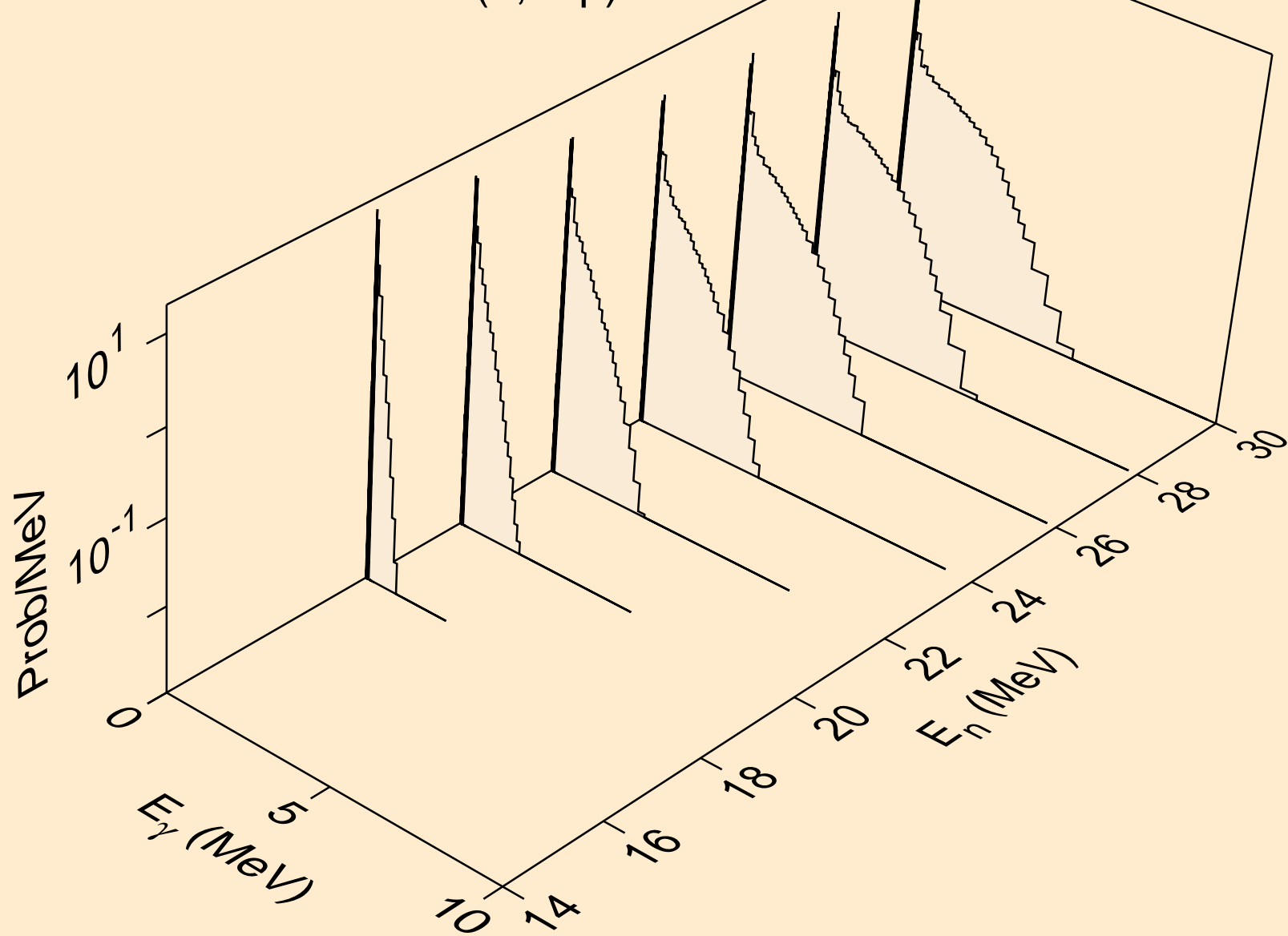
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

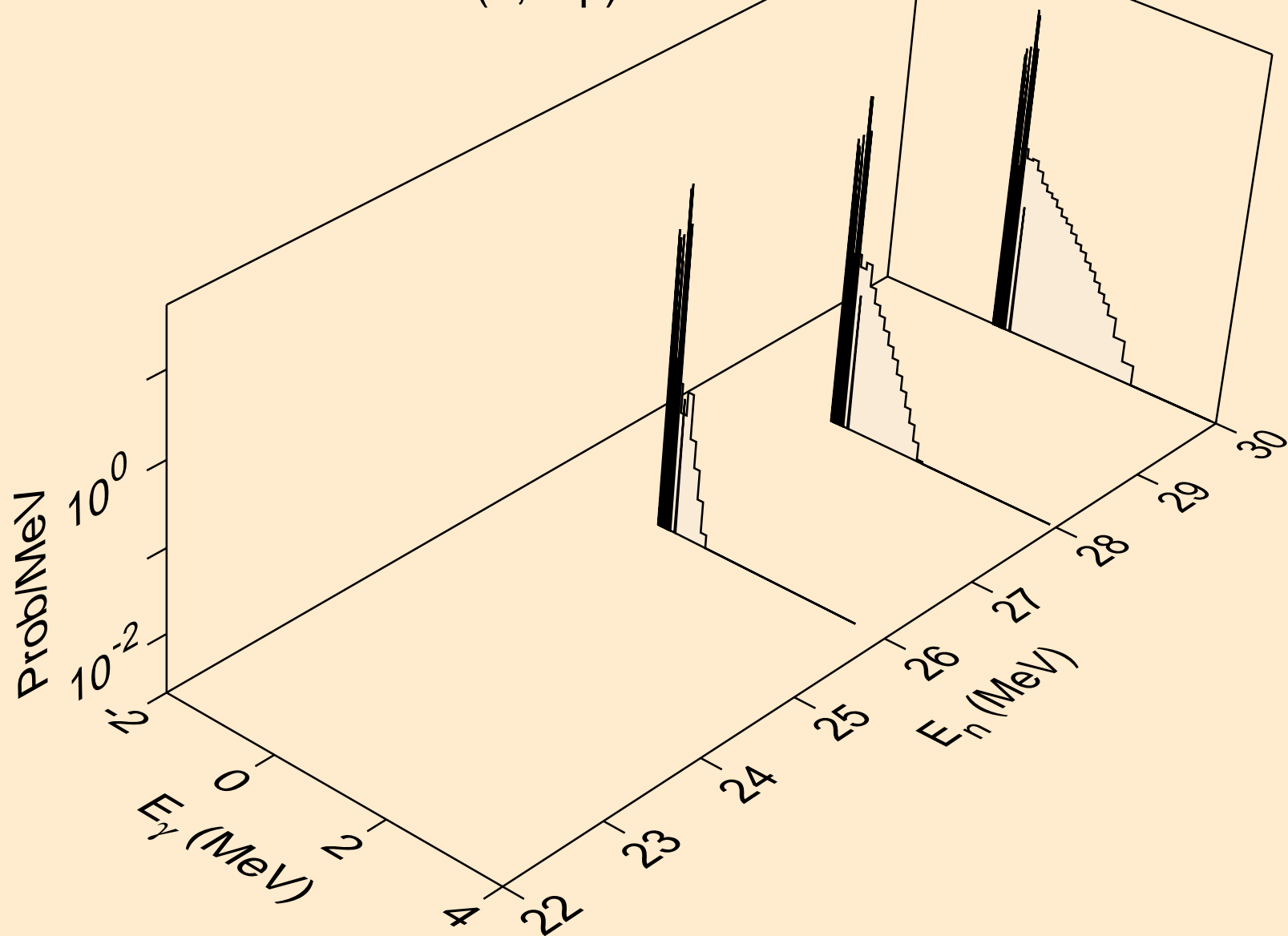


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

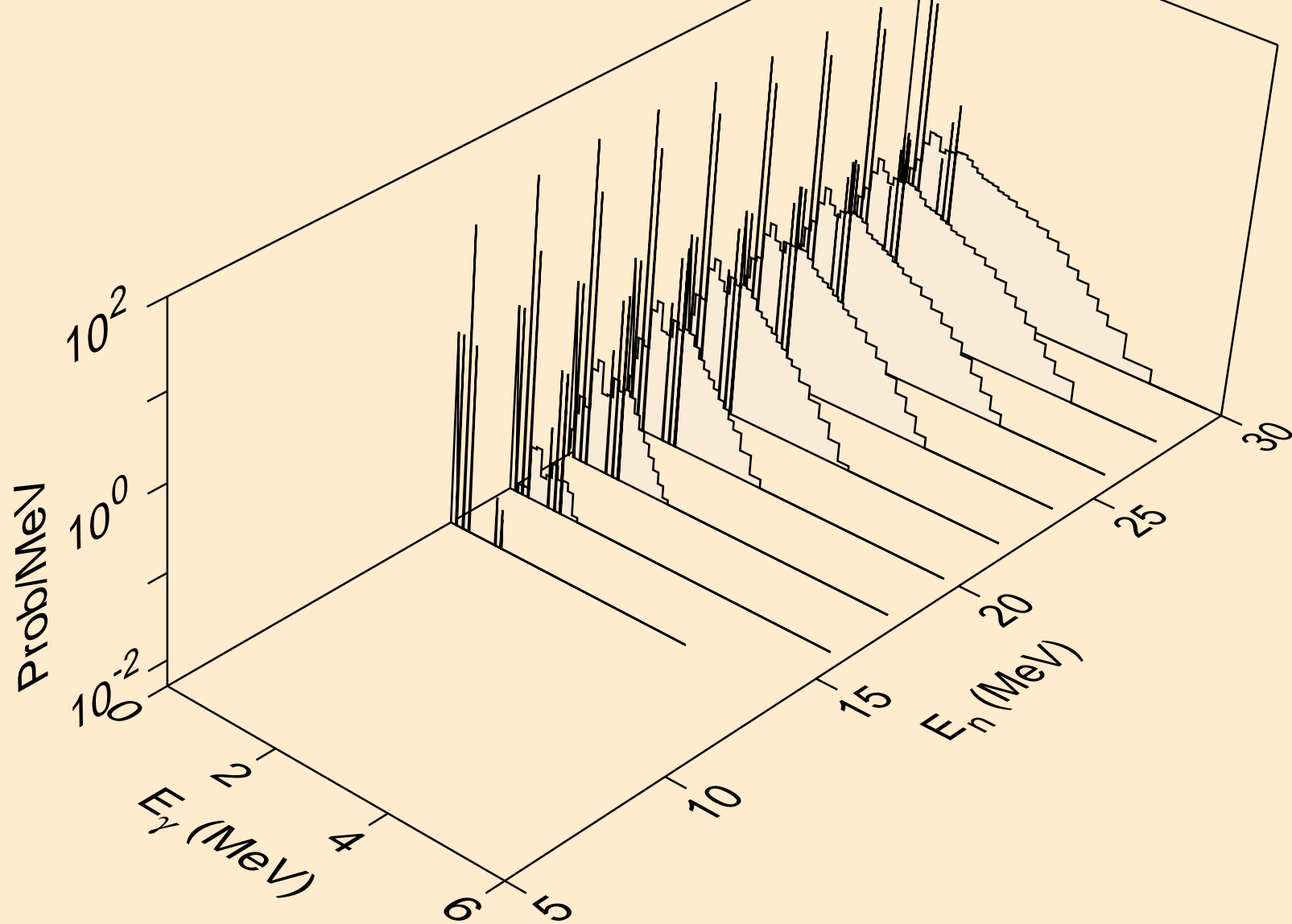




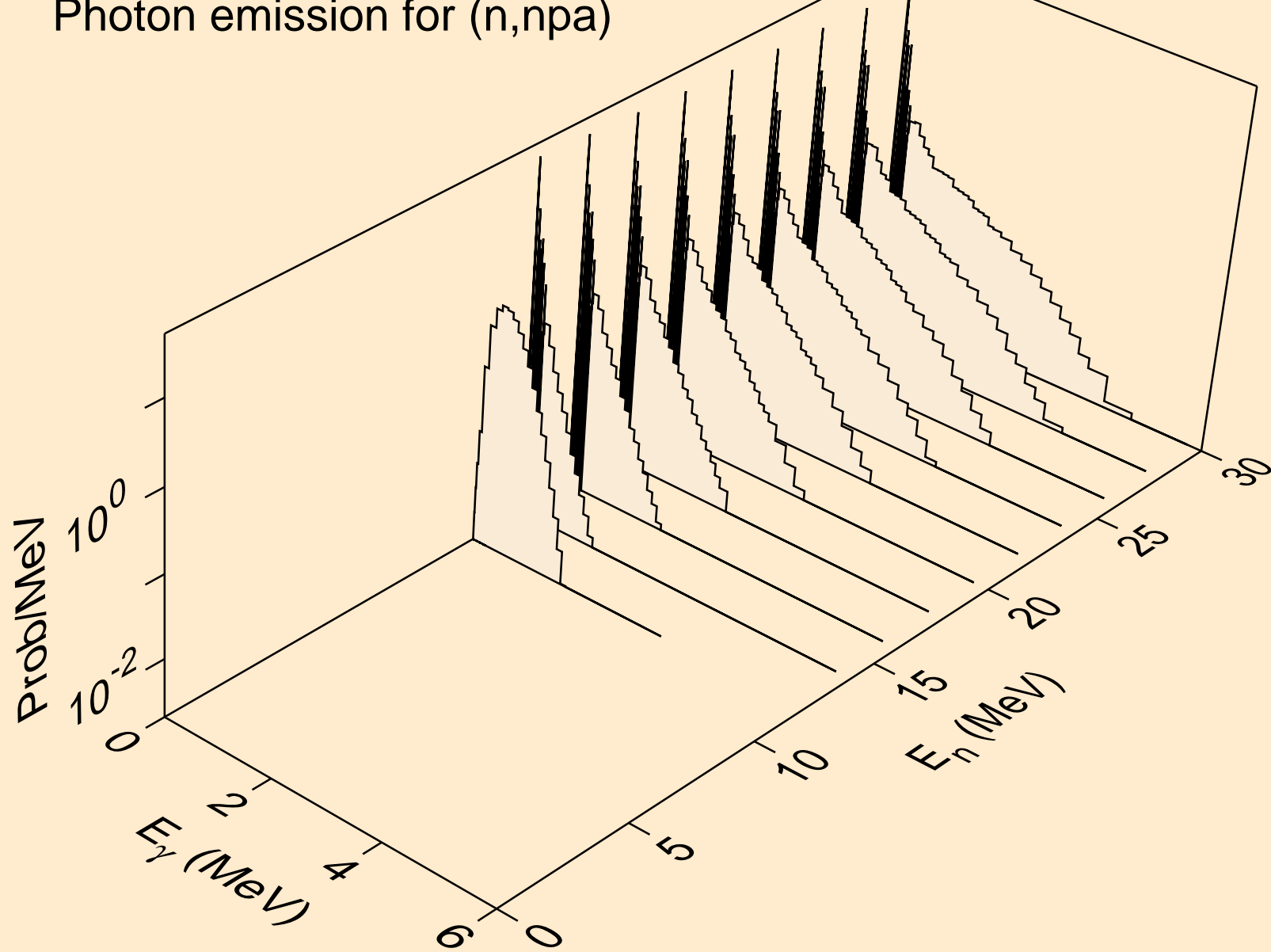
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Photon emission for (n,3np)



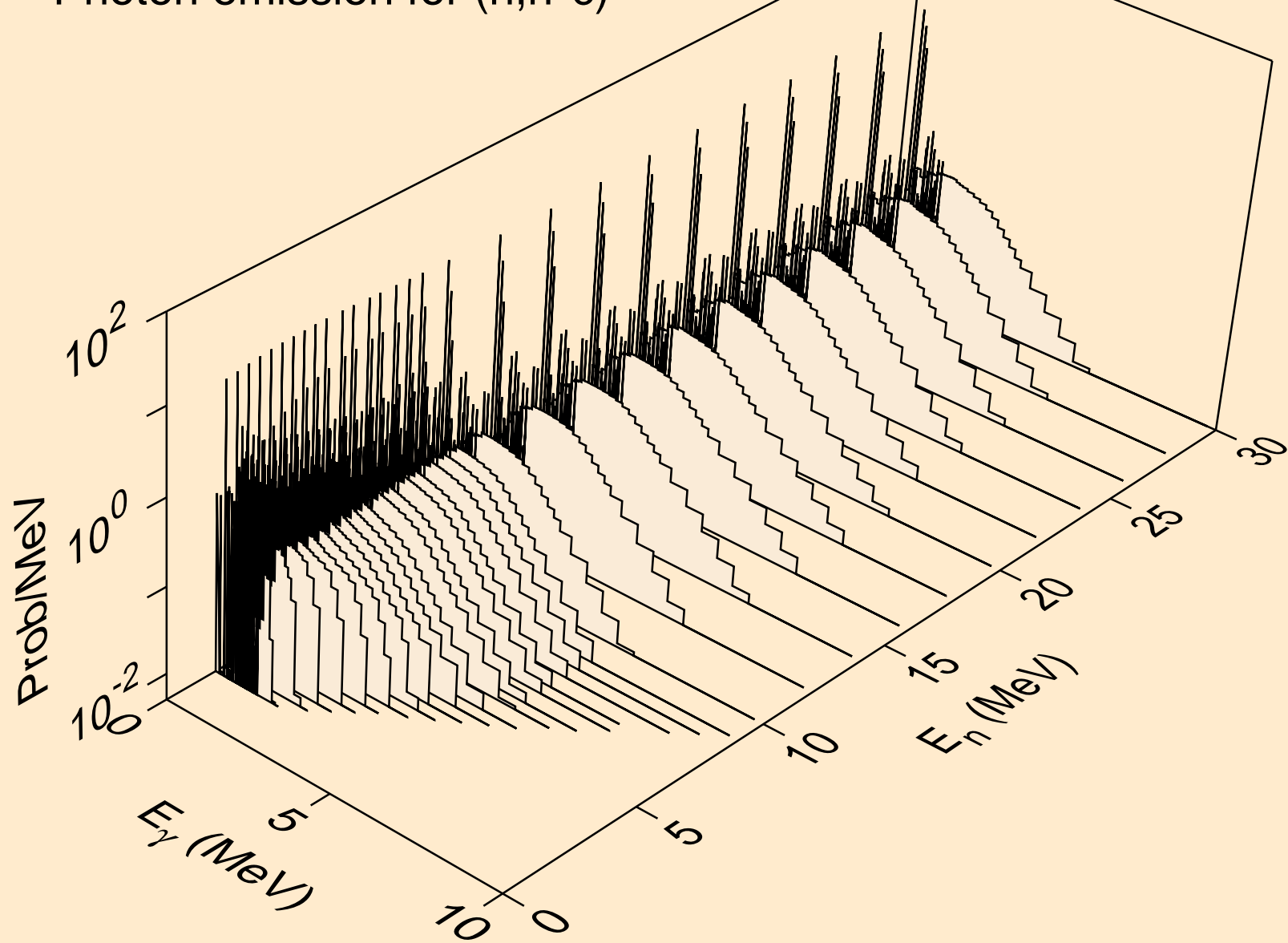
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Photon emission for (n,n2p)



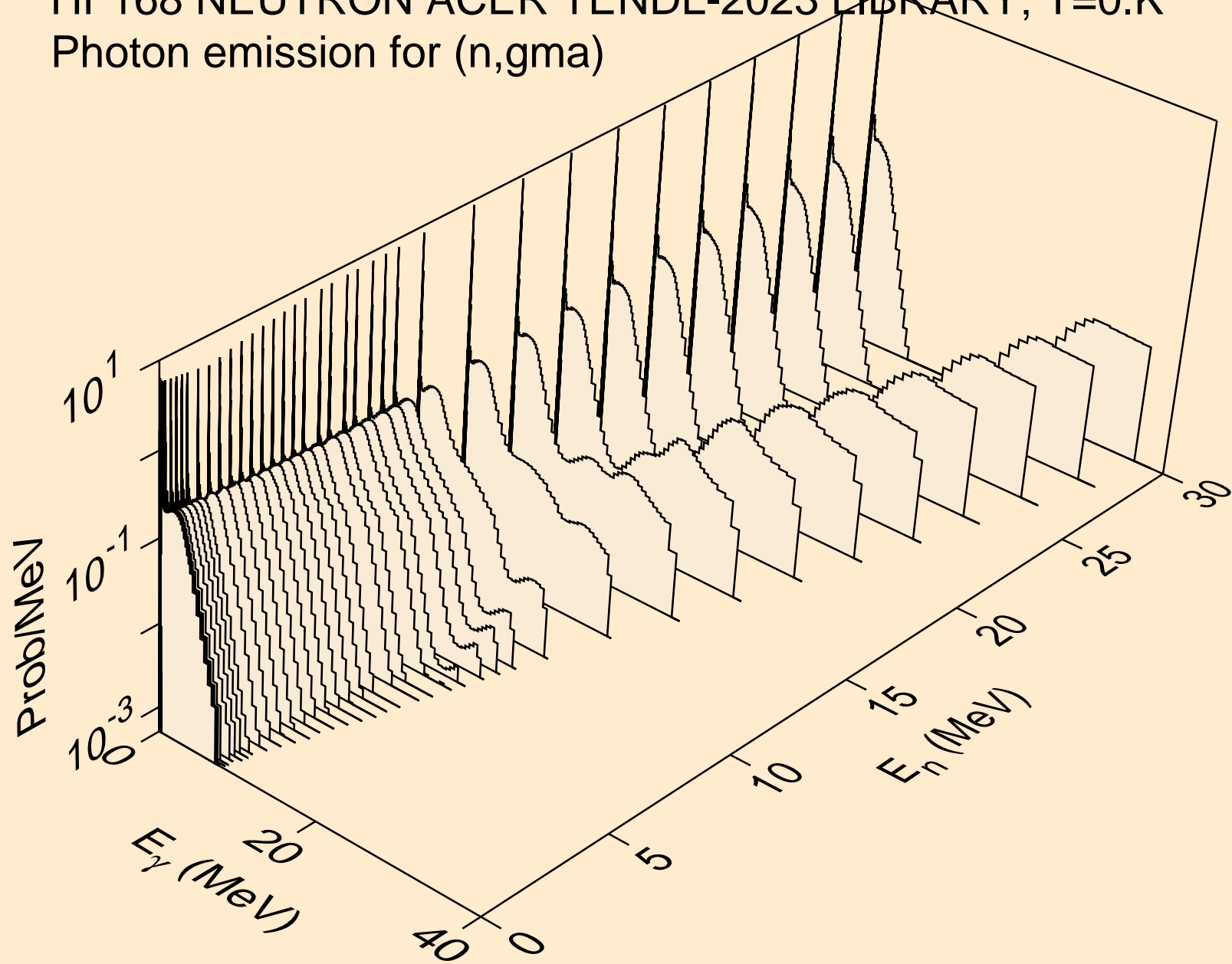
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Photon emission for (n,npa)



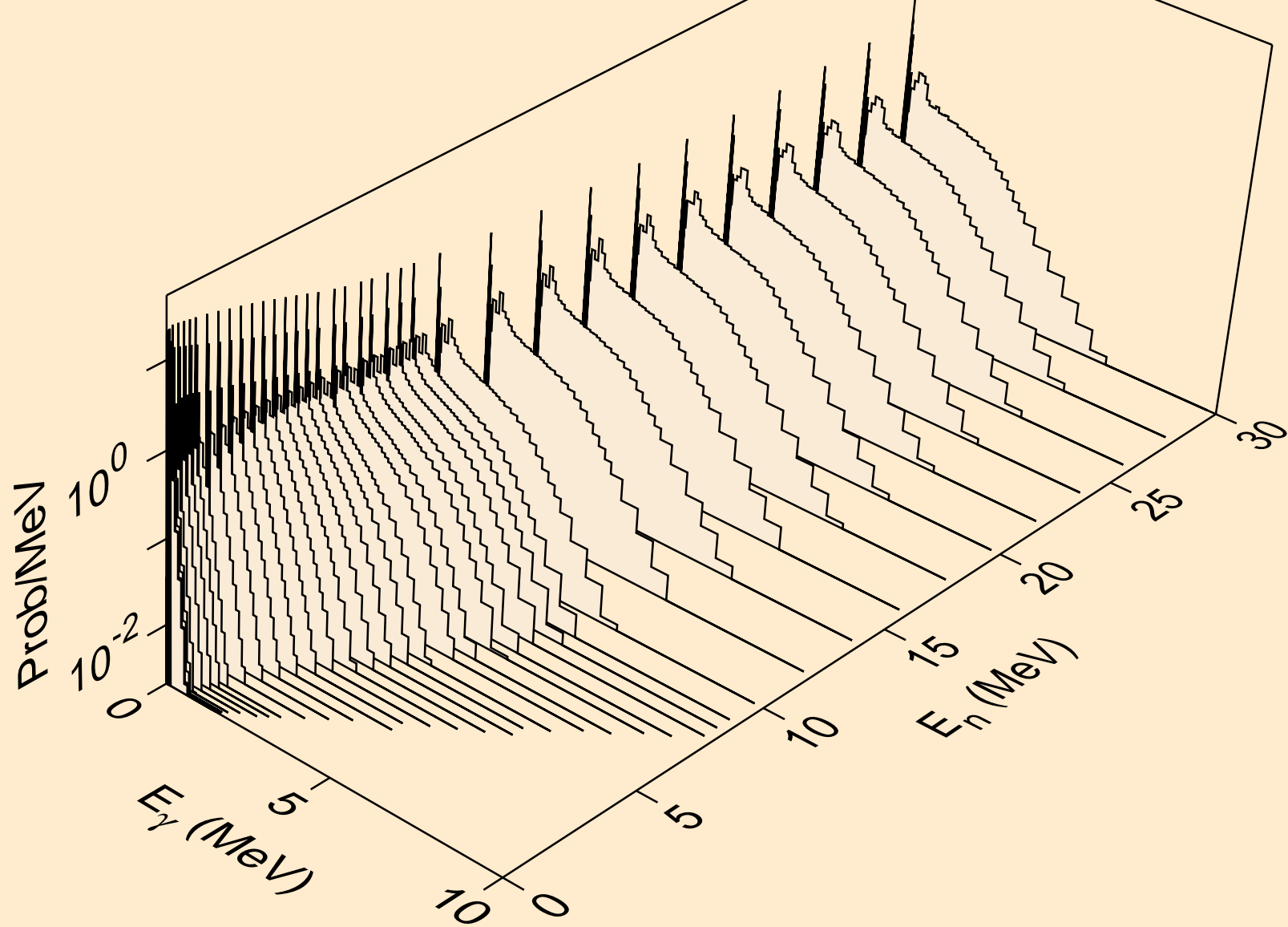
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Photon emission for (n,n\*c)



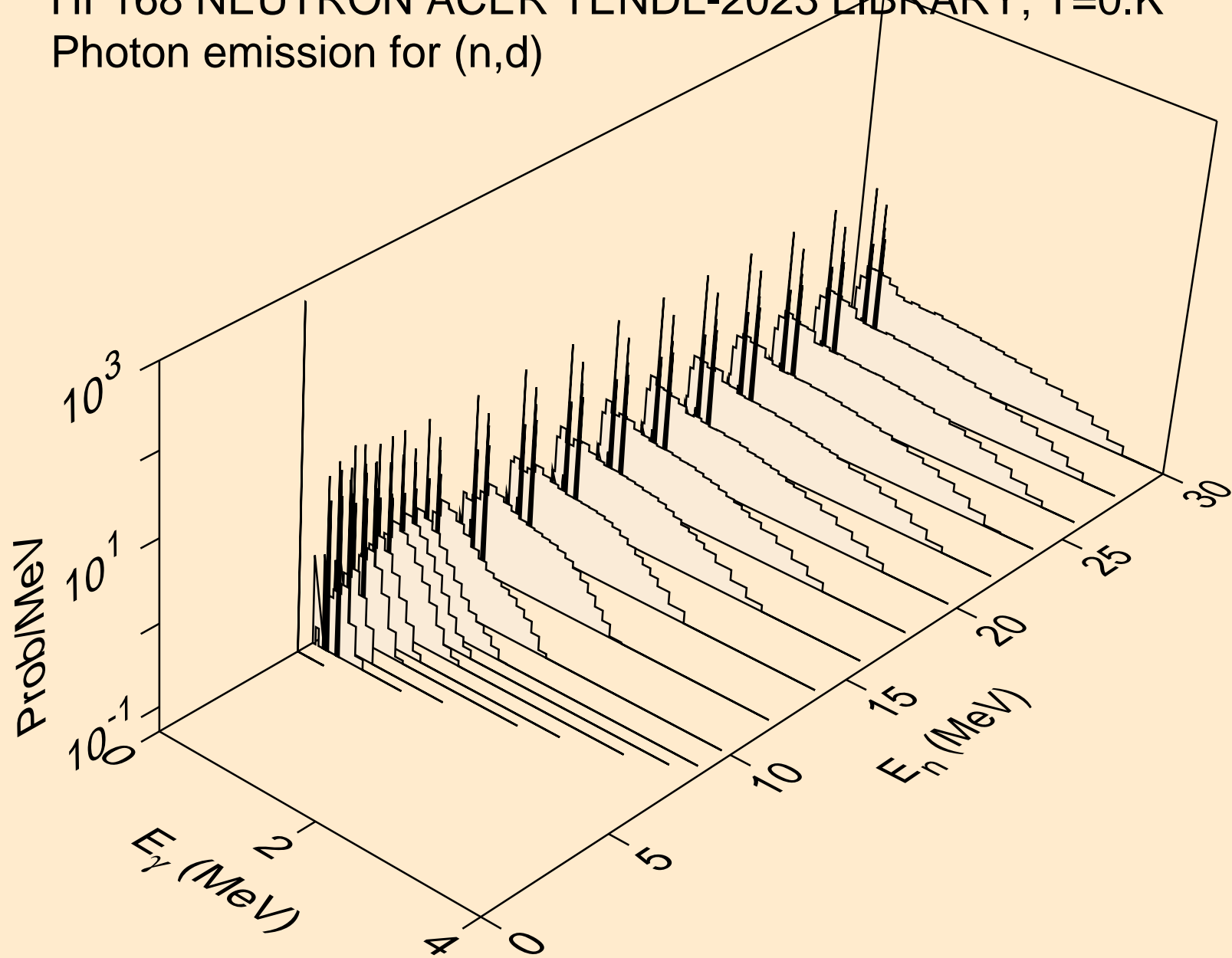
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Photon emission for (n,gma)



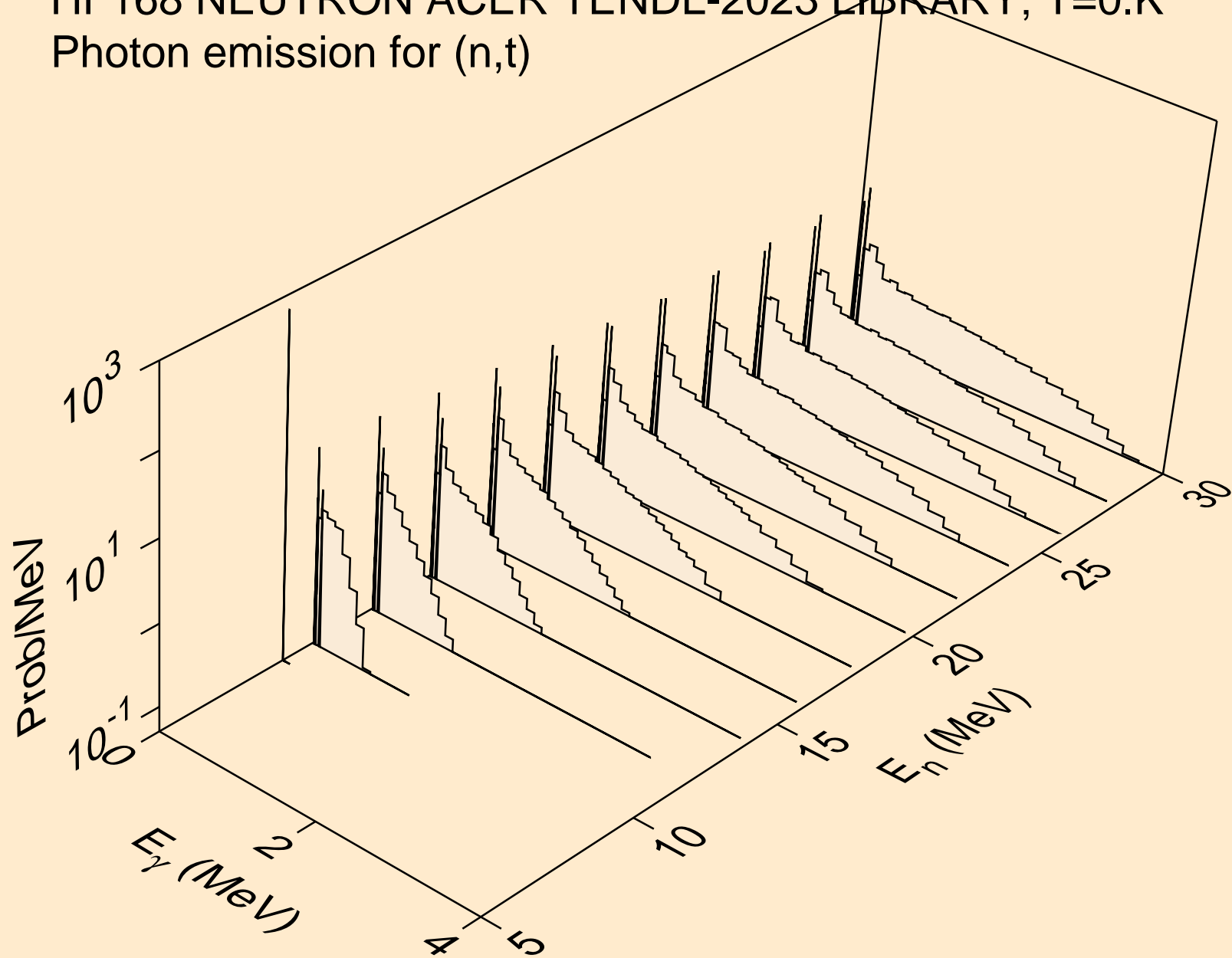
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

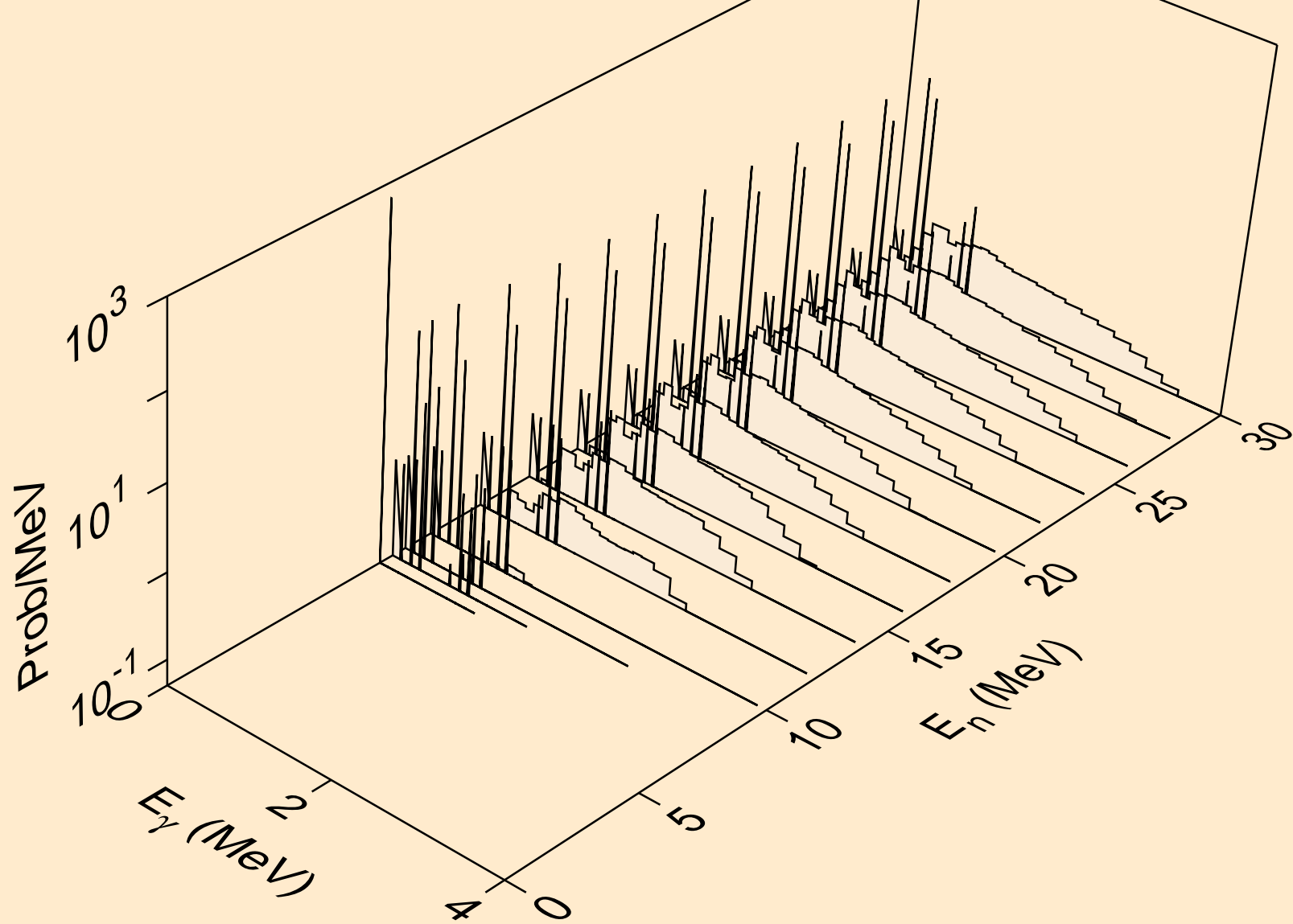


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

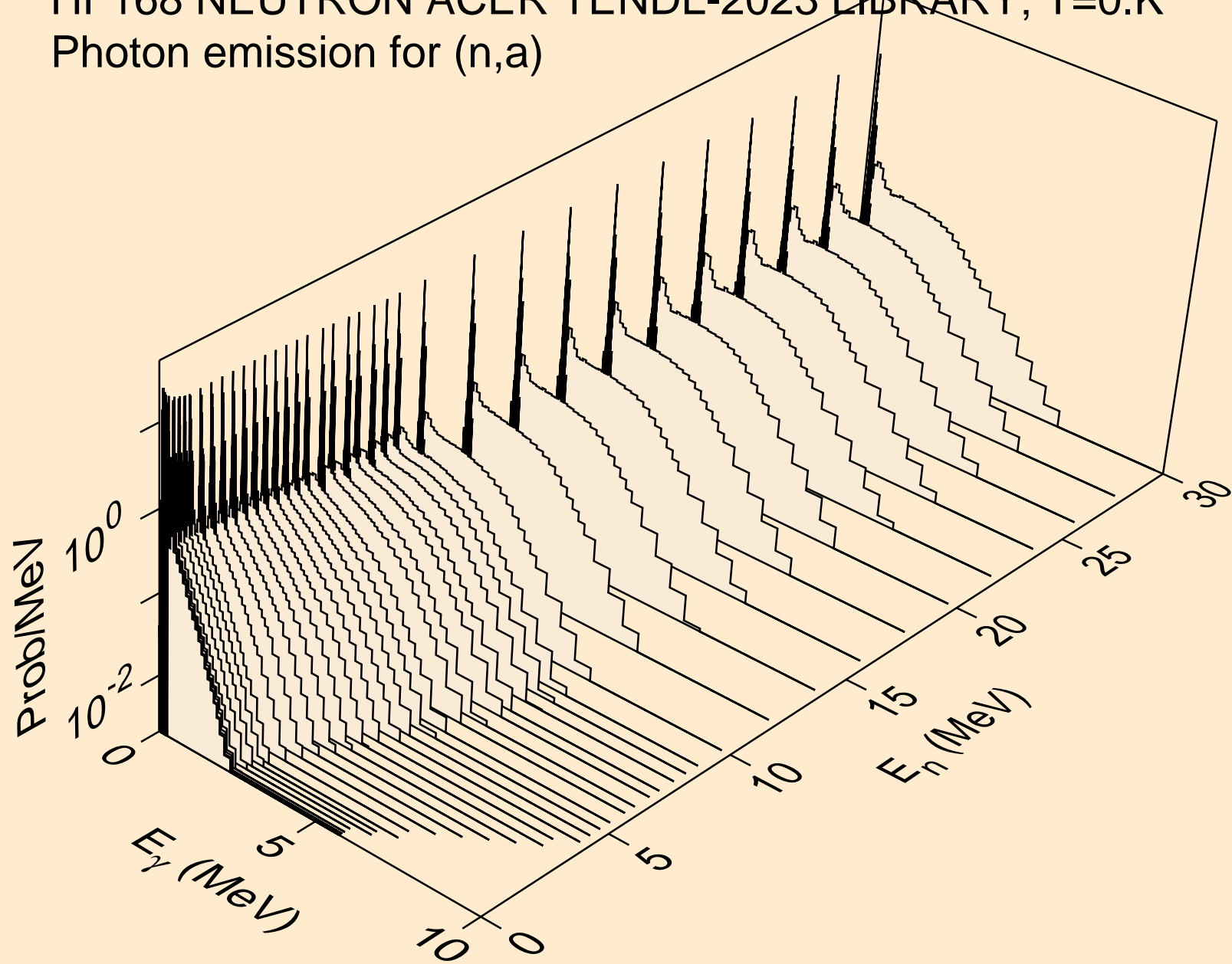




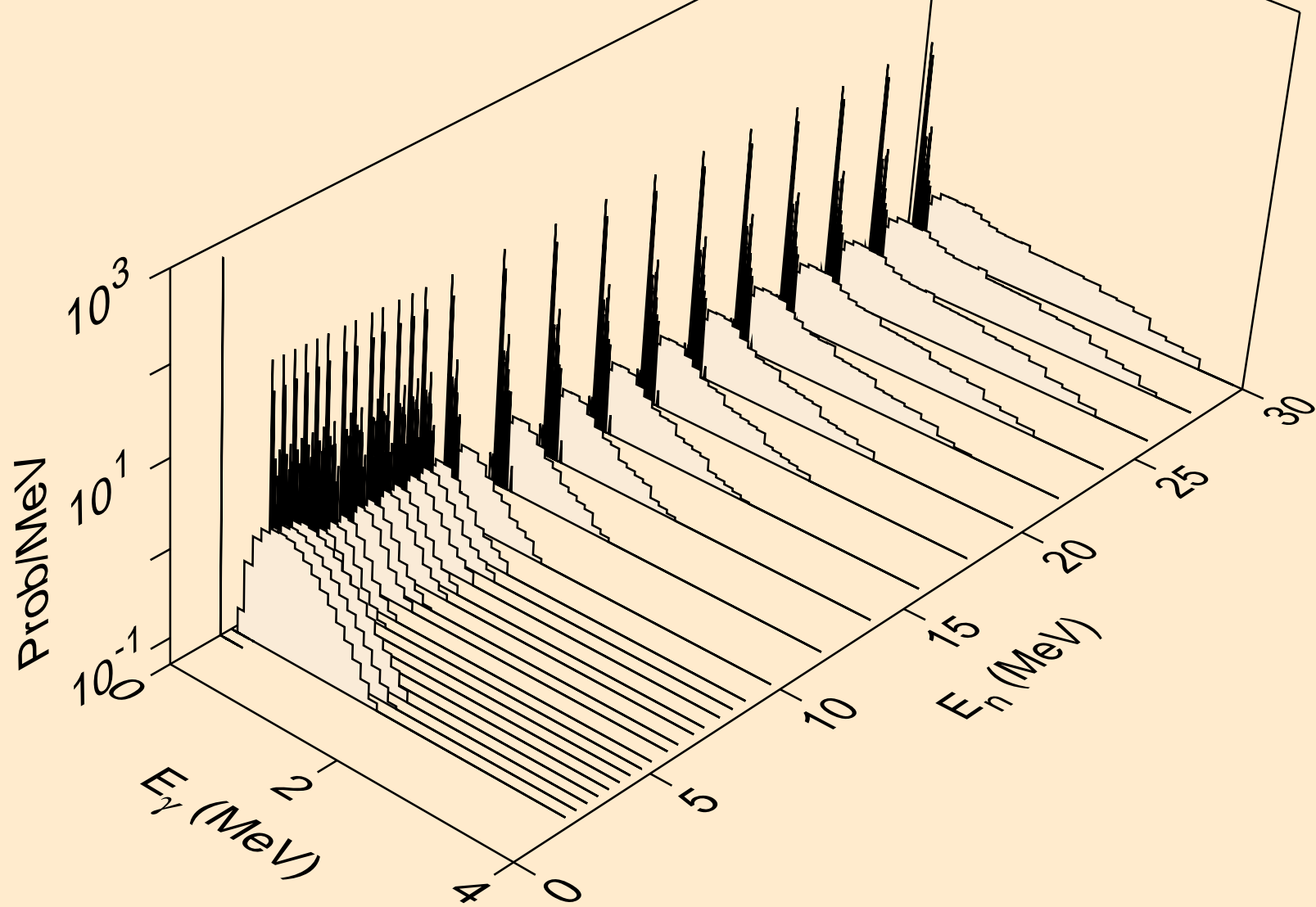
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Photon emission for (n,he3)



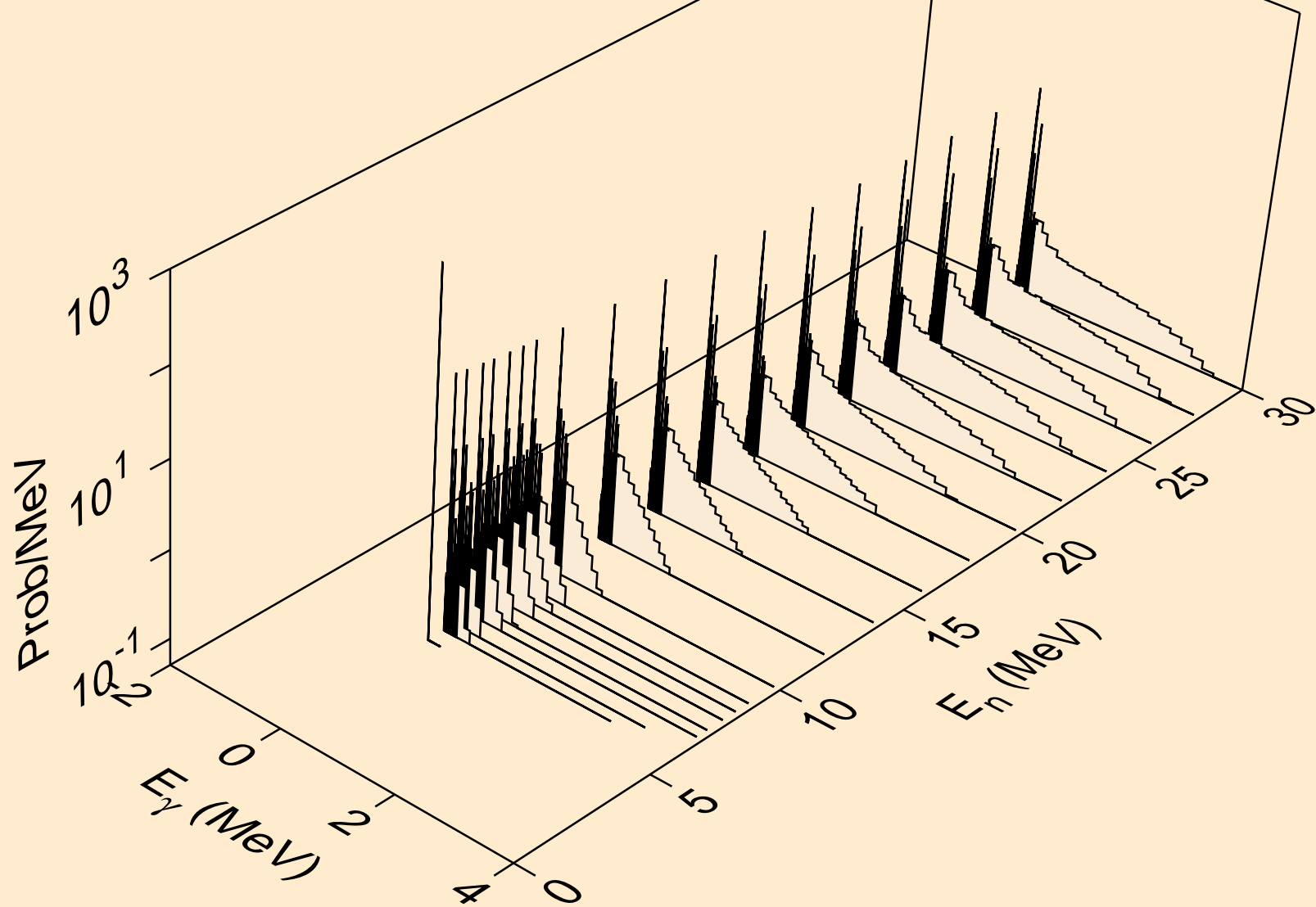
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Photon emission for (n,a)



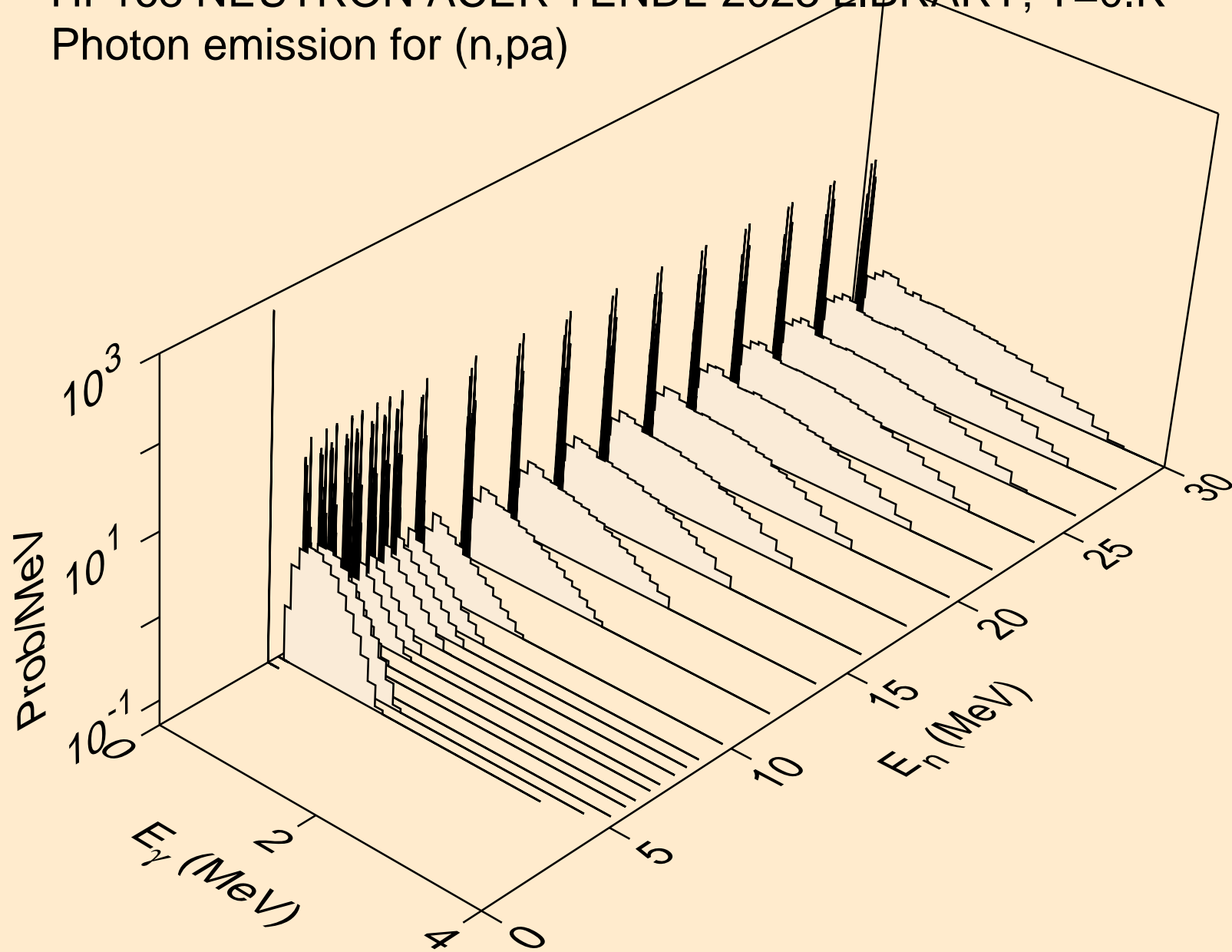
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Photon emission for (n,2a)



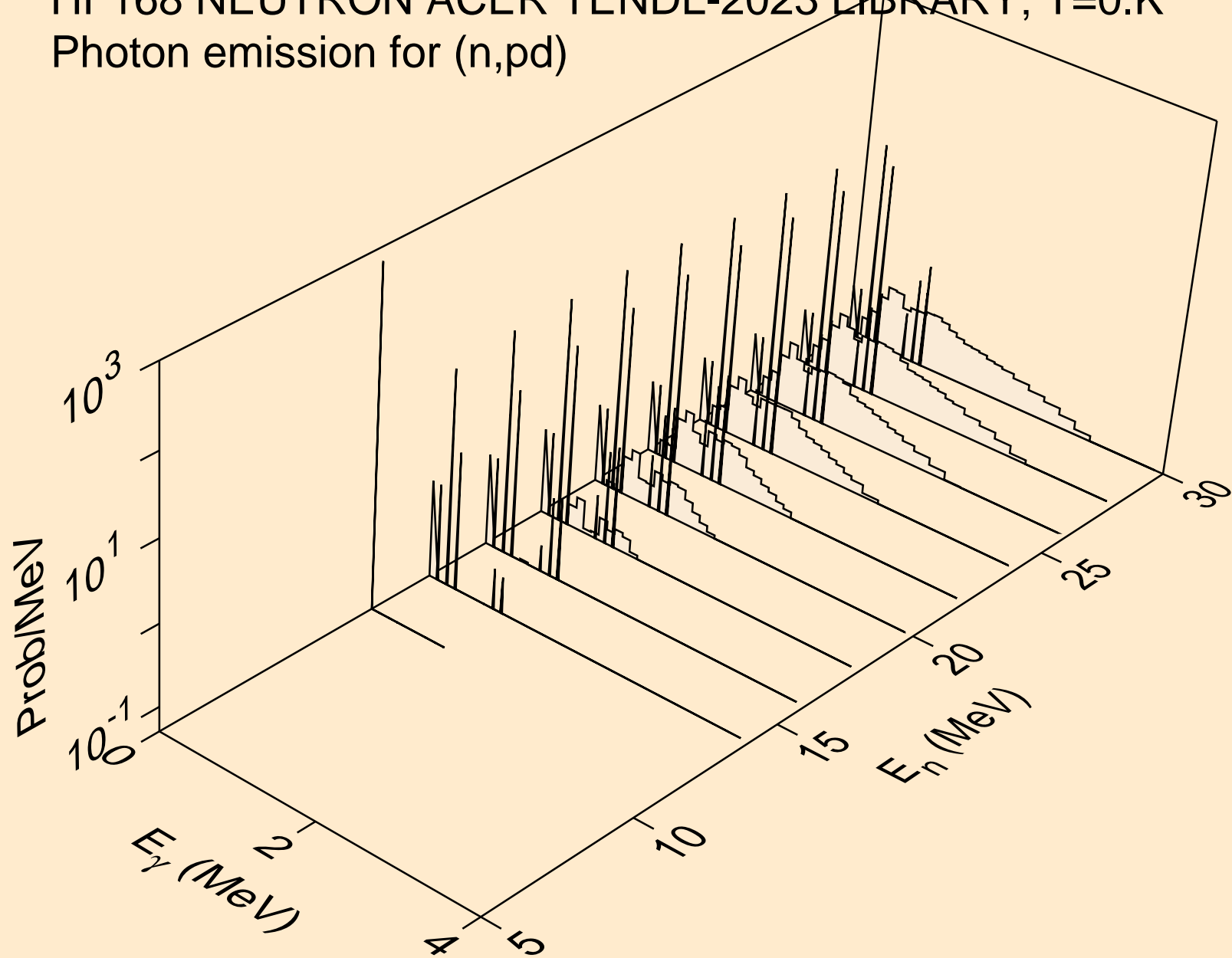
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Photon emission for (n,2p)



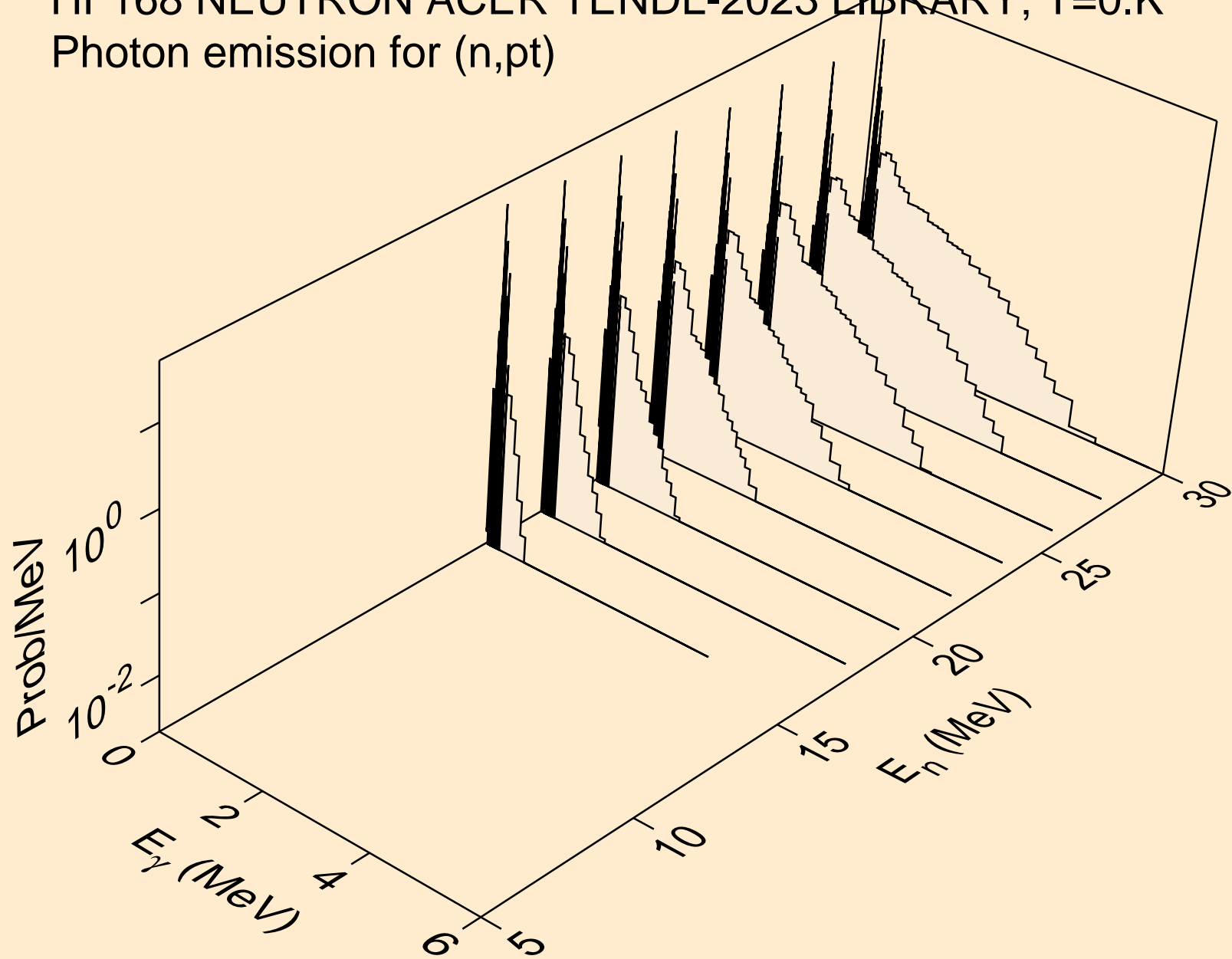
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Photon emission for (n,p)



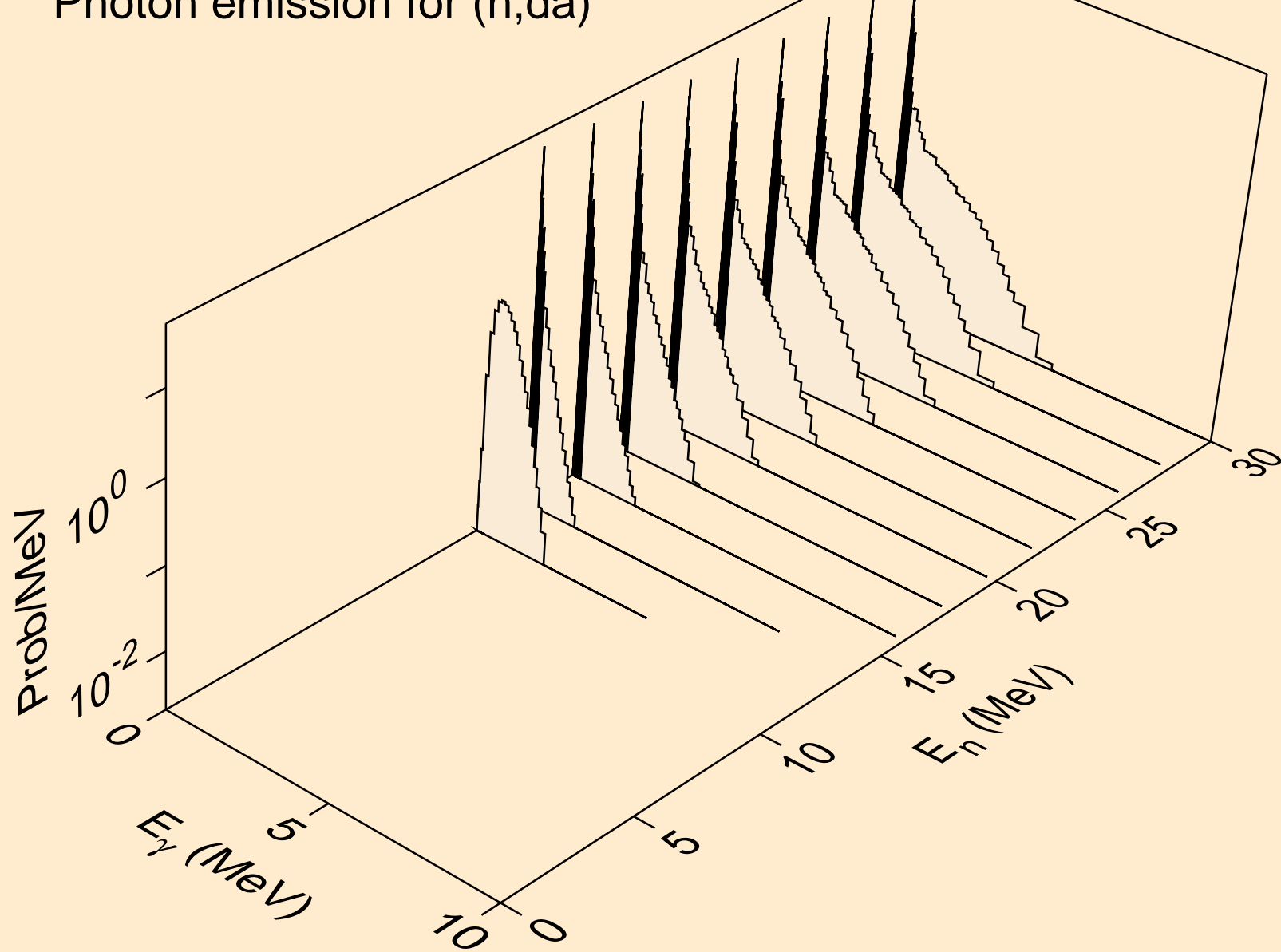
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

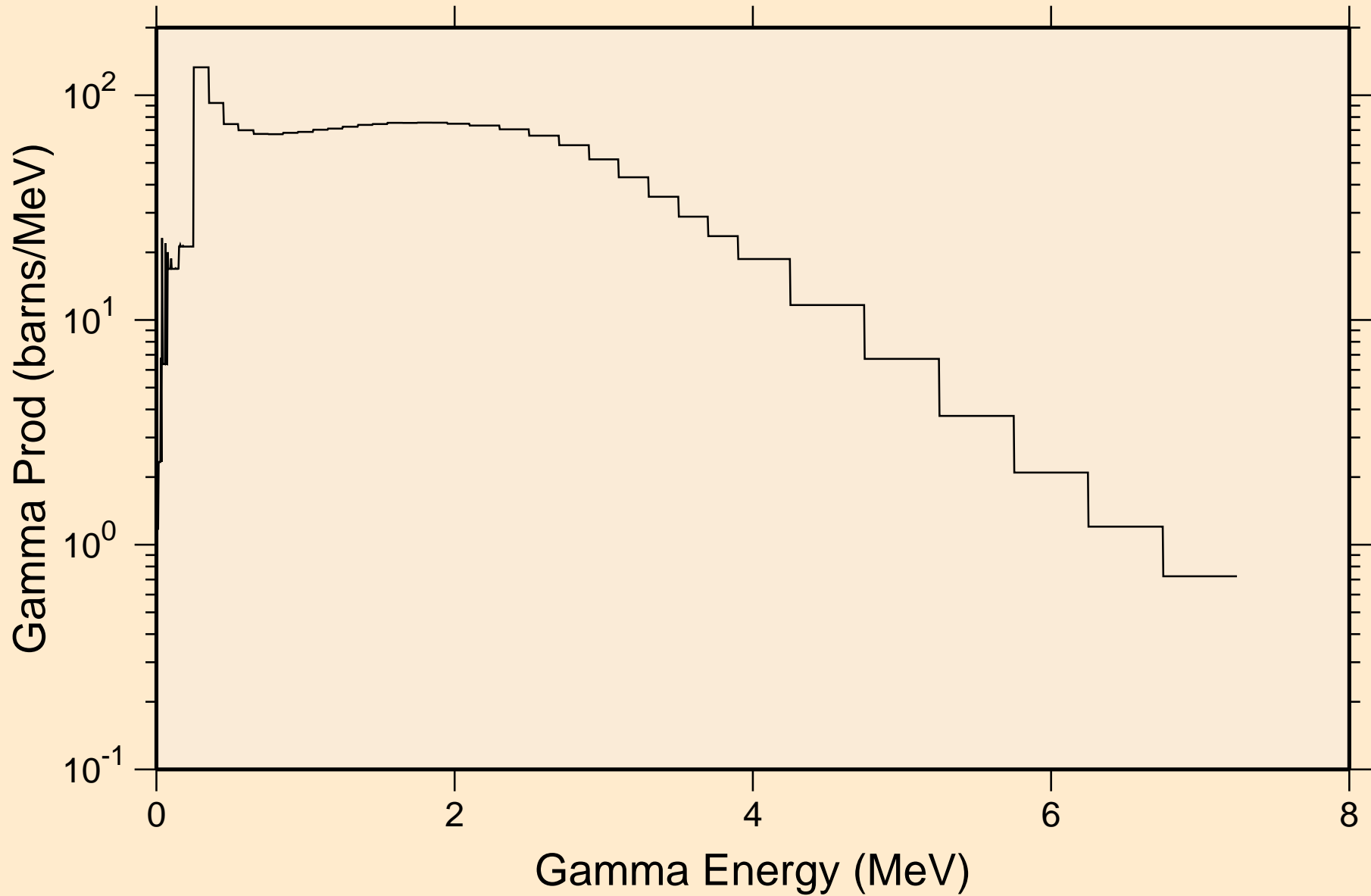


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Photon emission for (n,da)

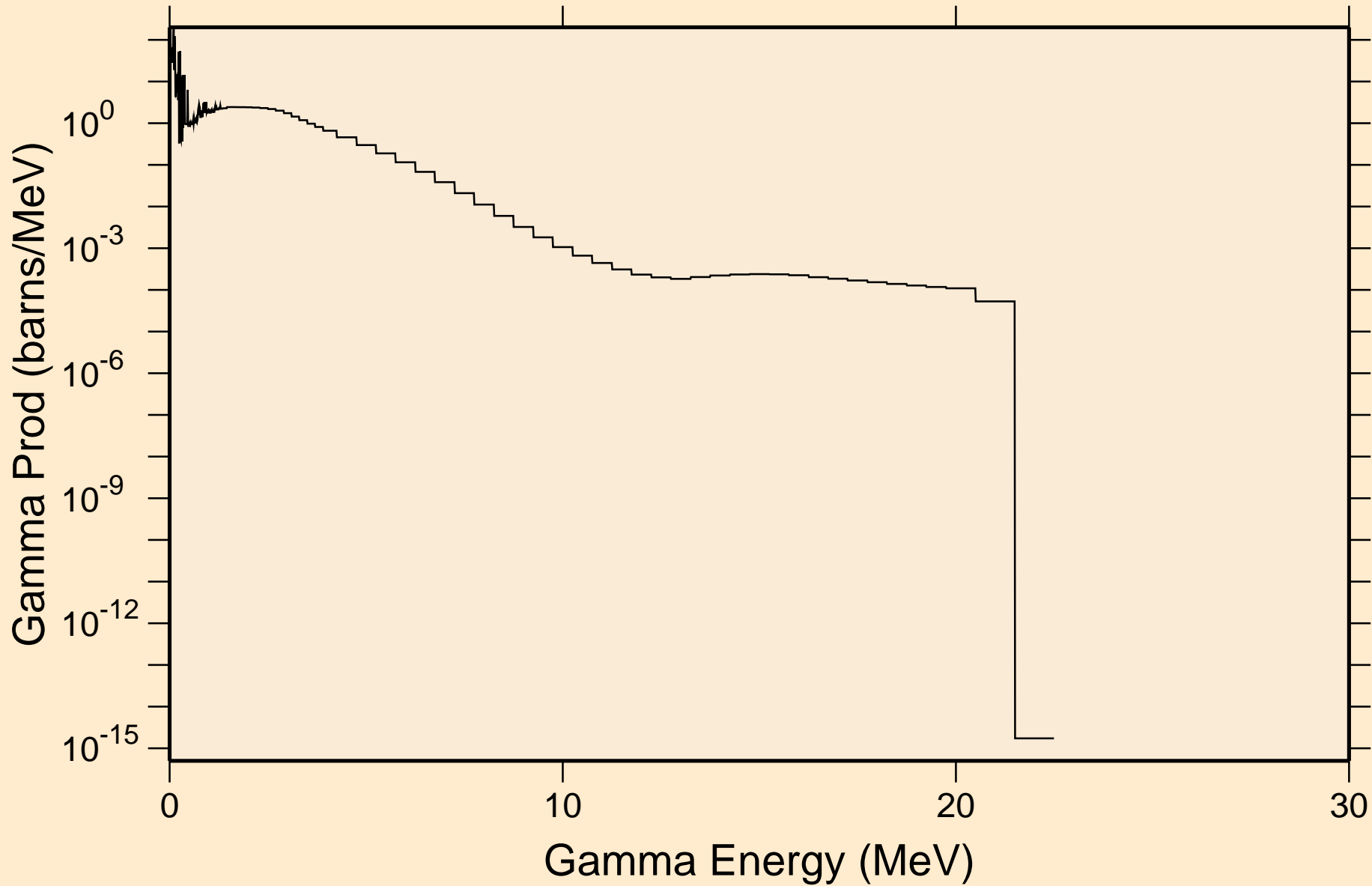




HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

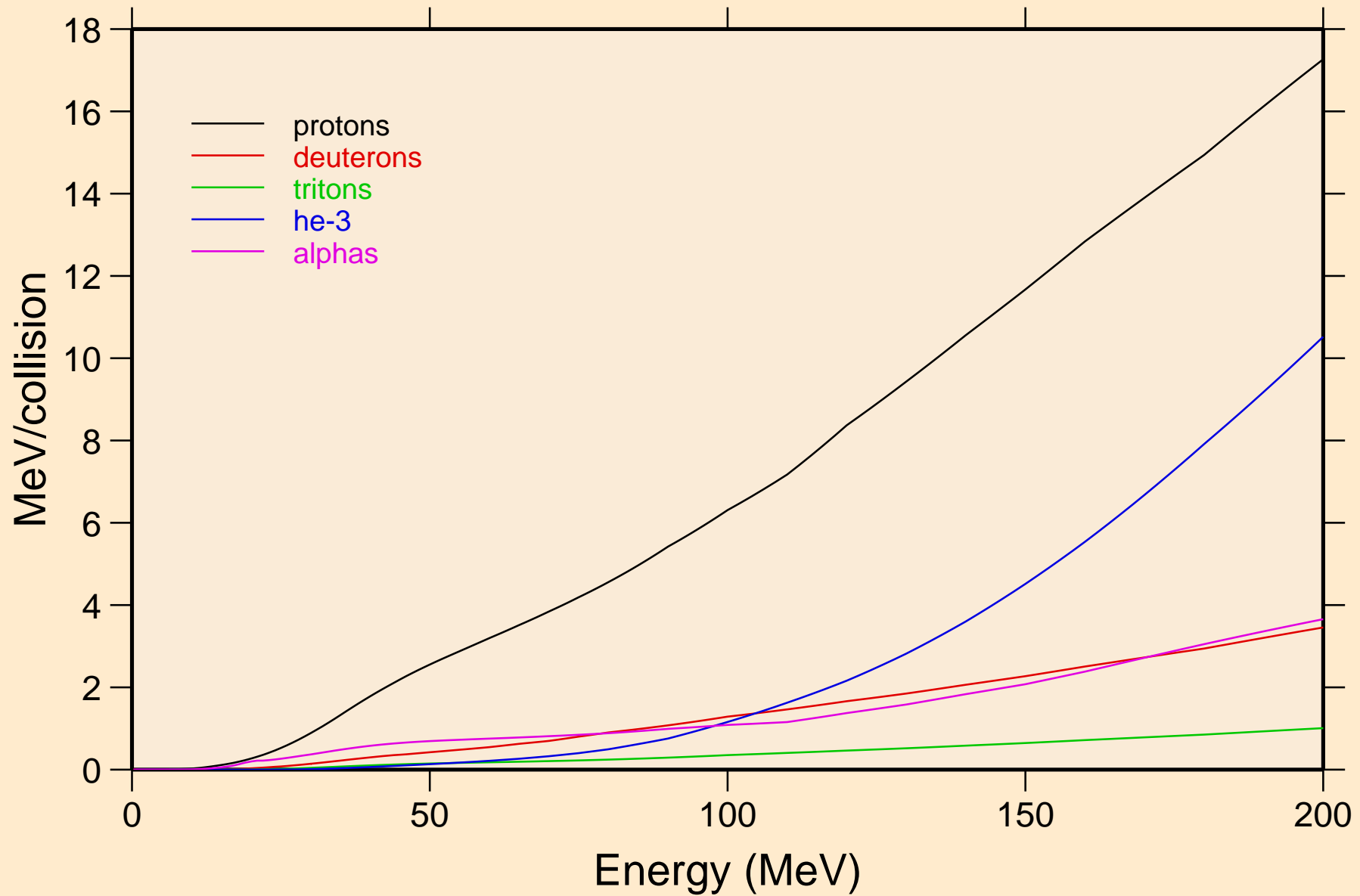


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

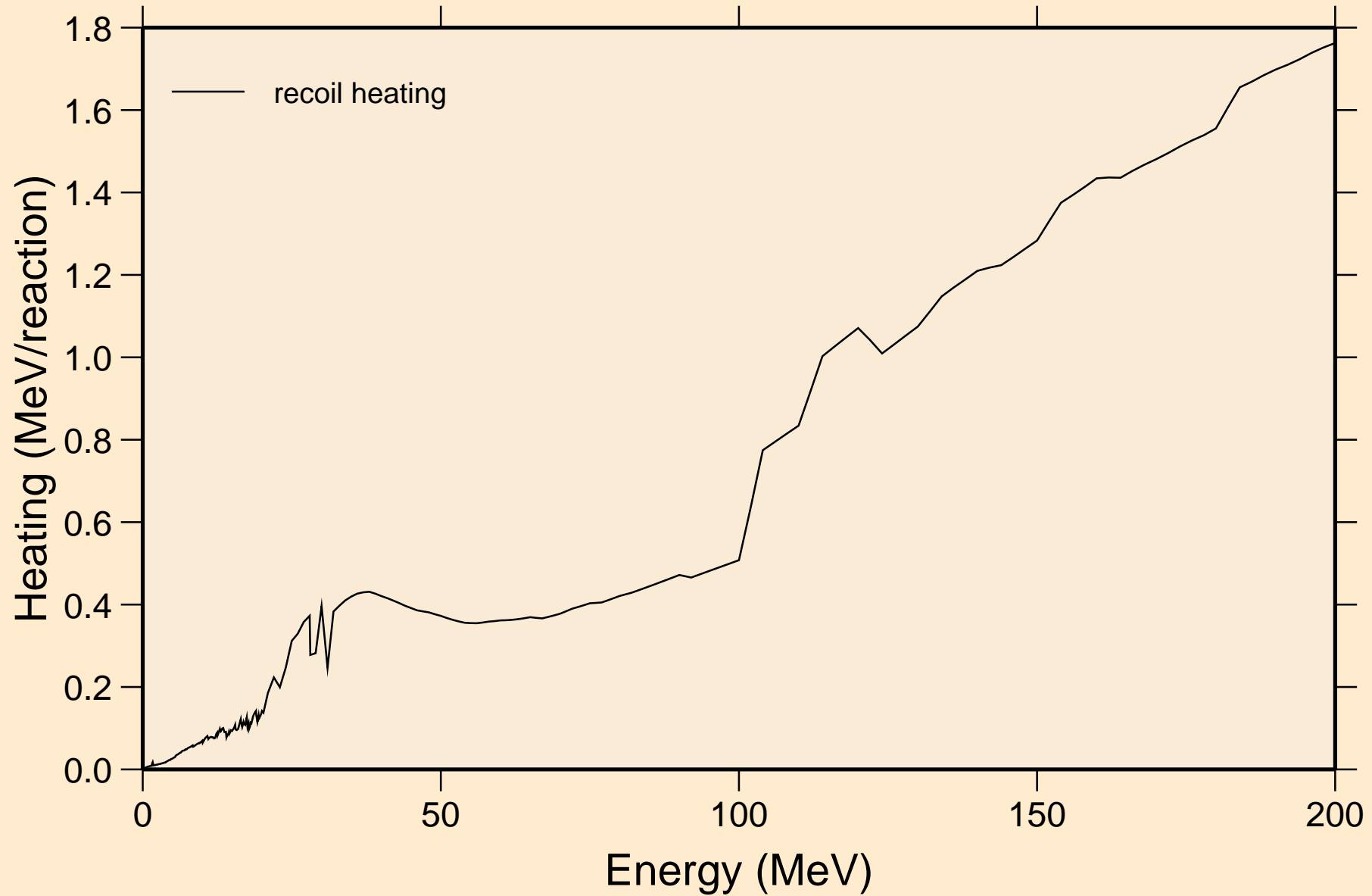


# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

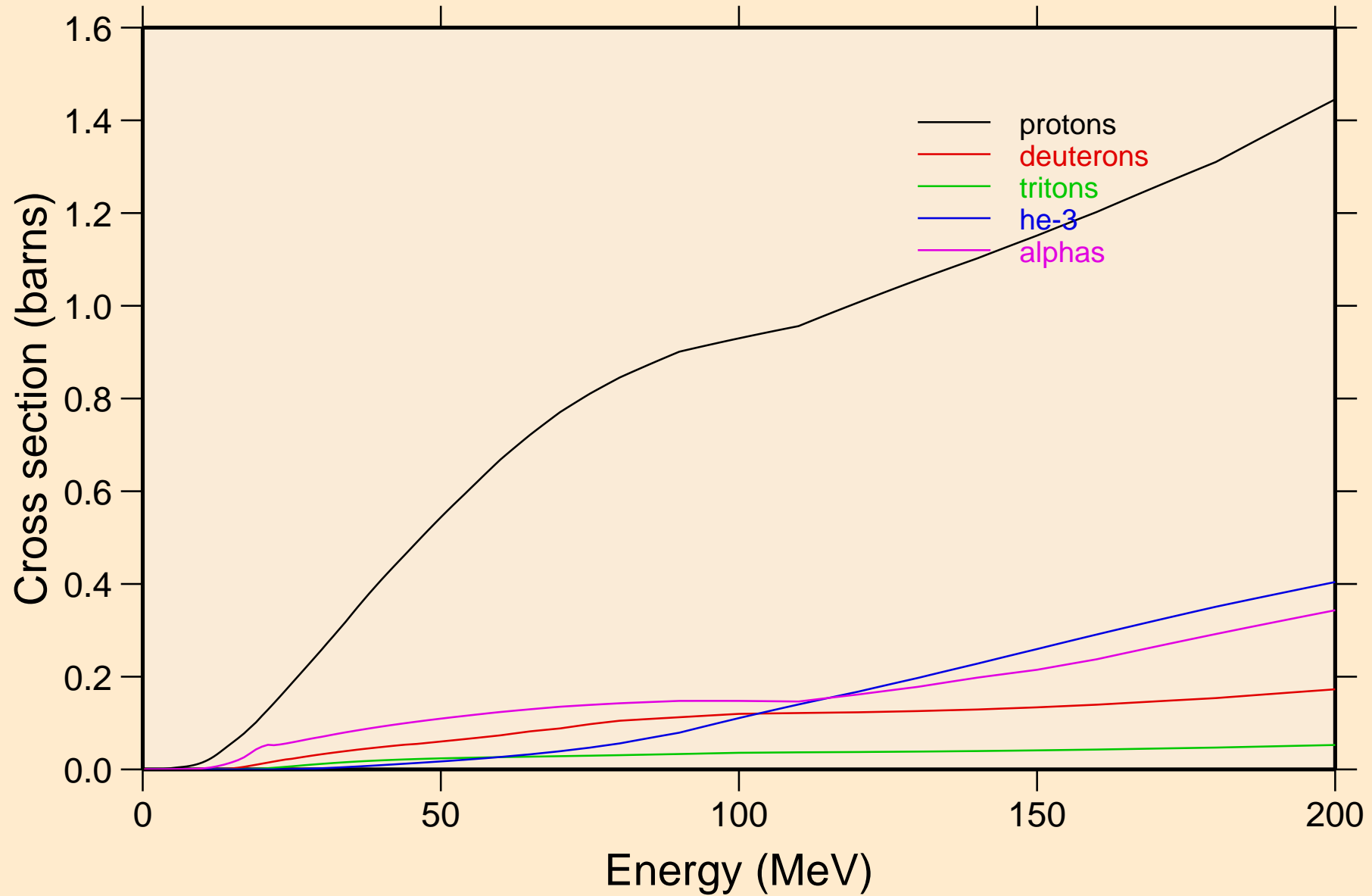


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

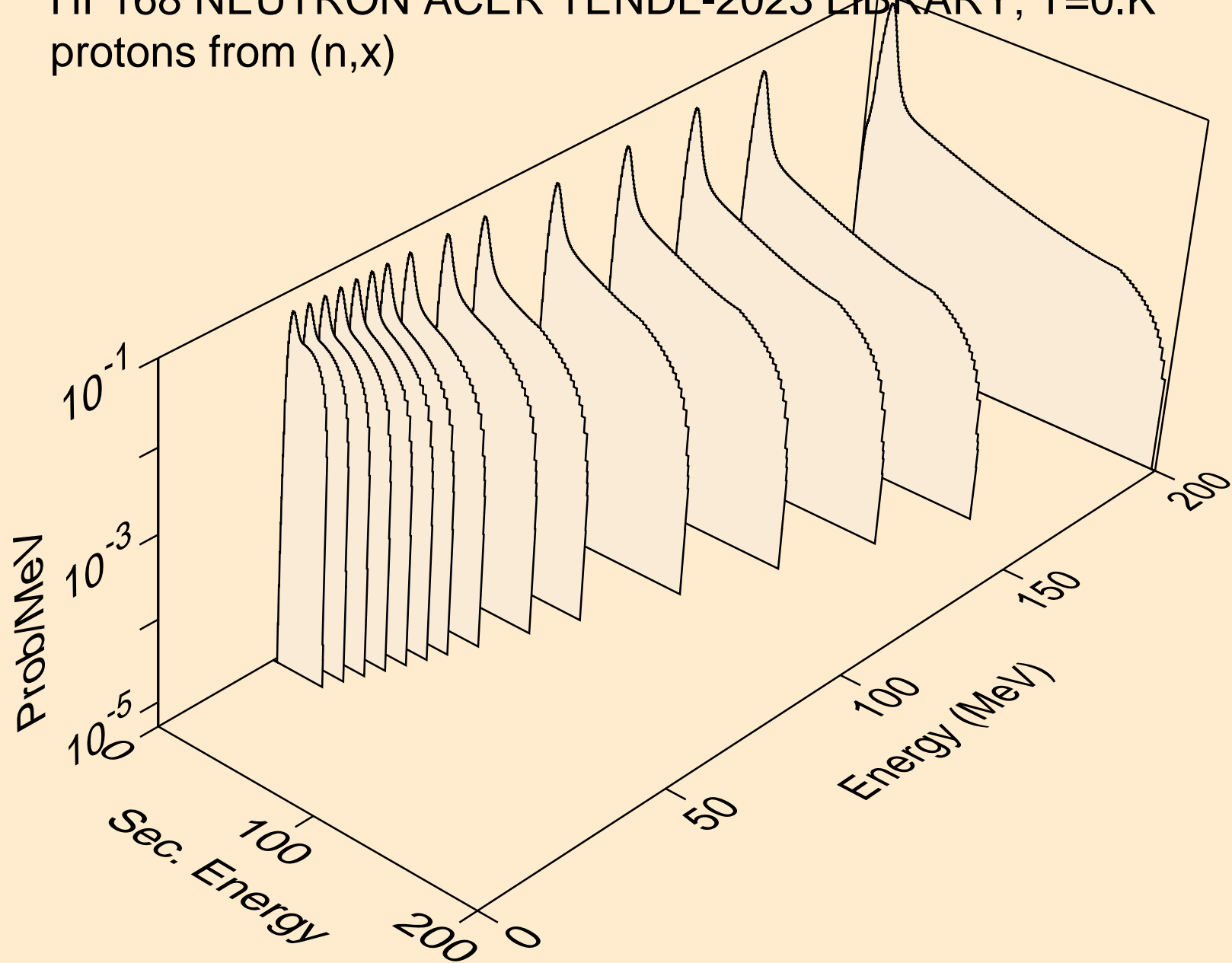


# HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

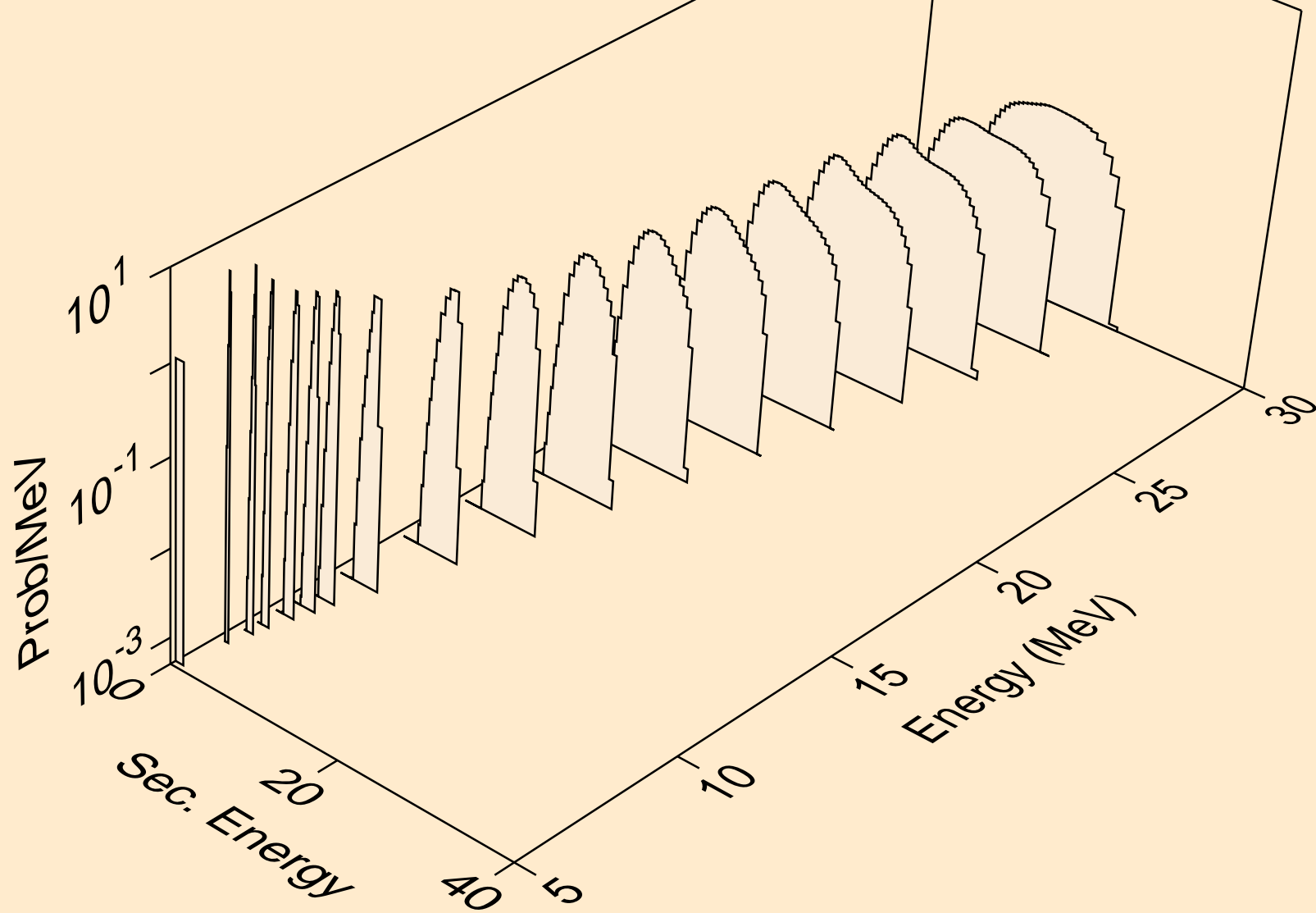
## Particle production cross sections



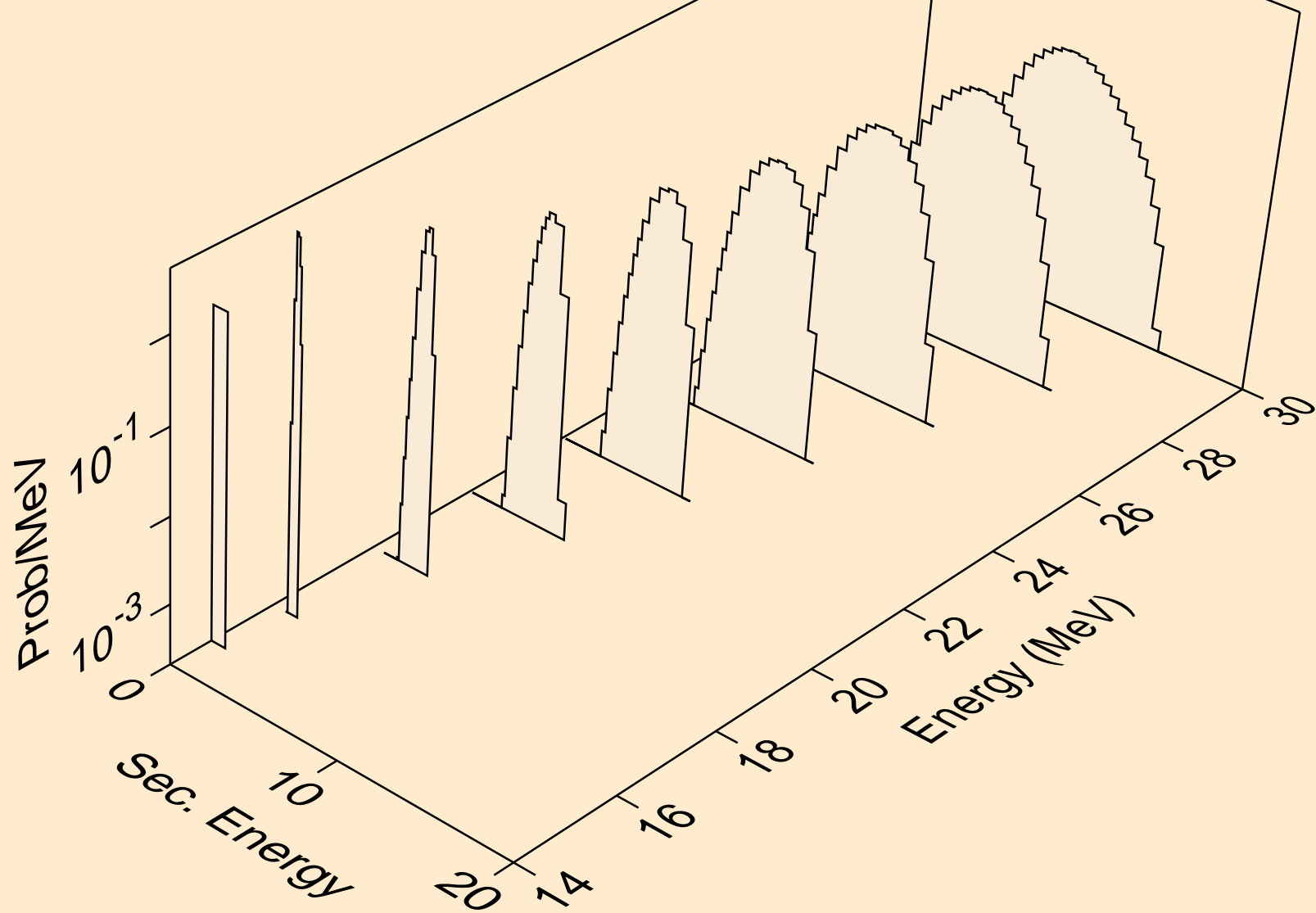
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

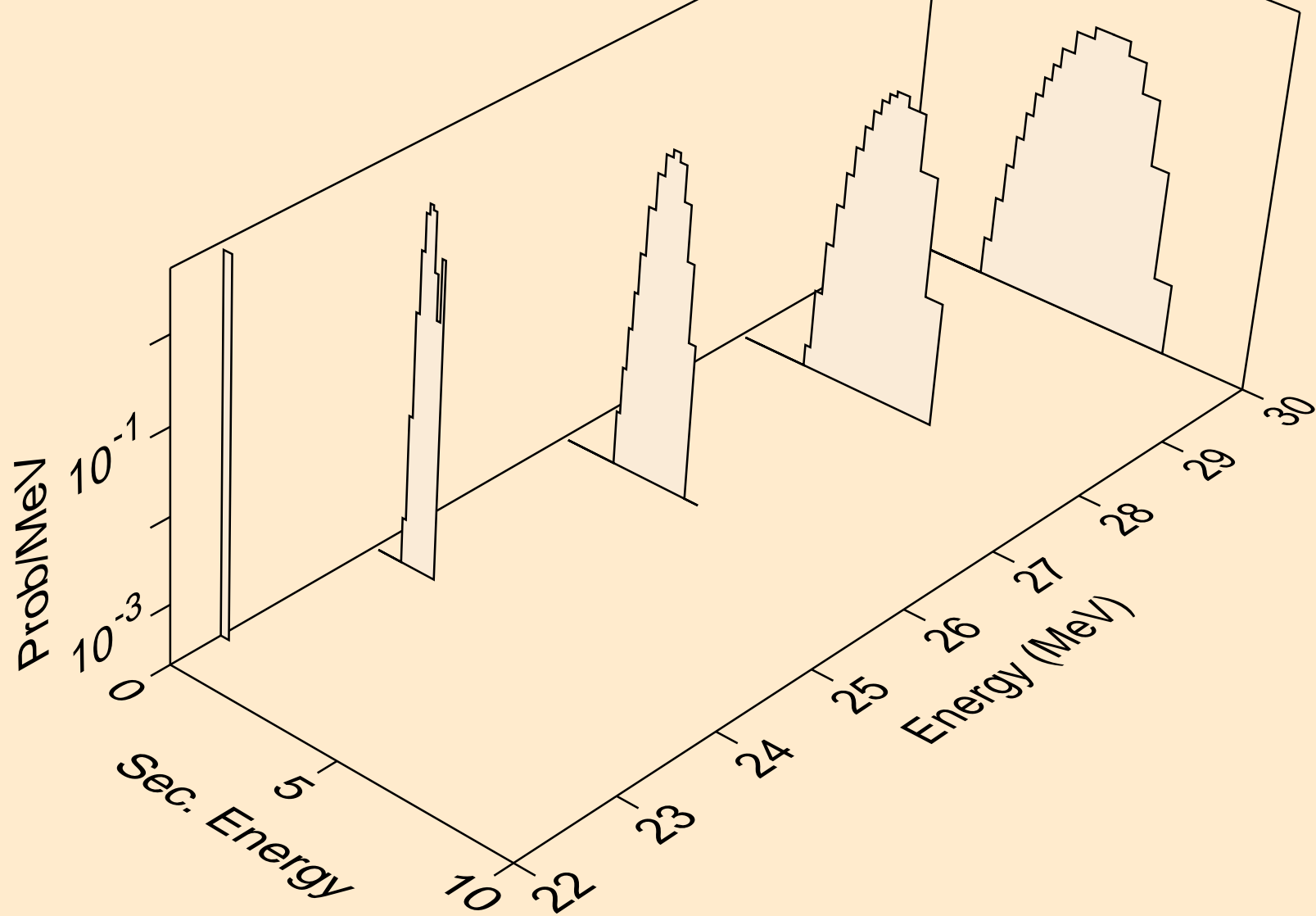


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protons from (n,2np)

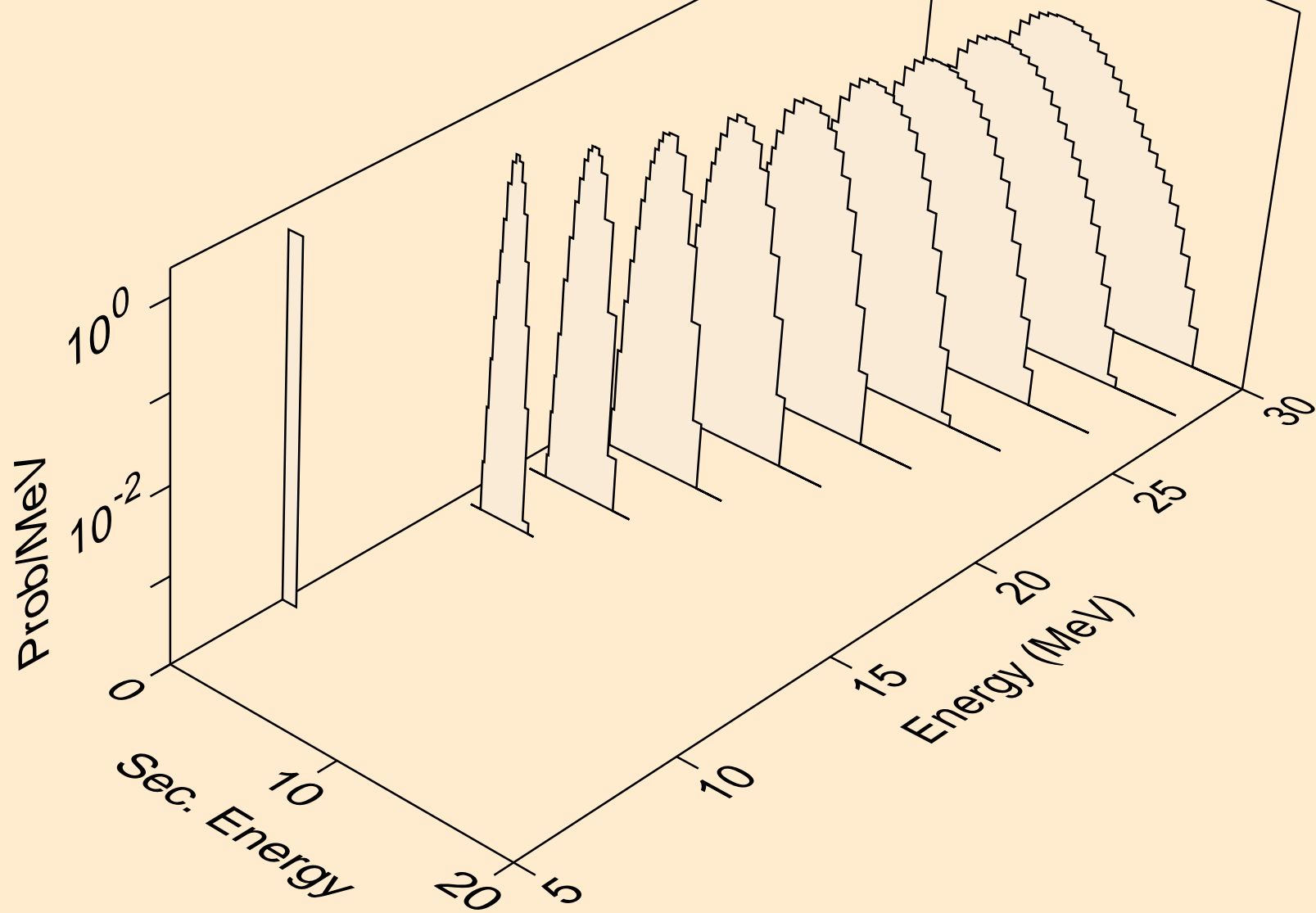




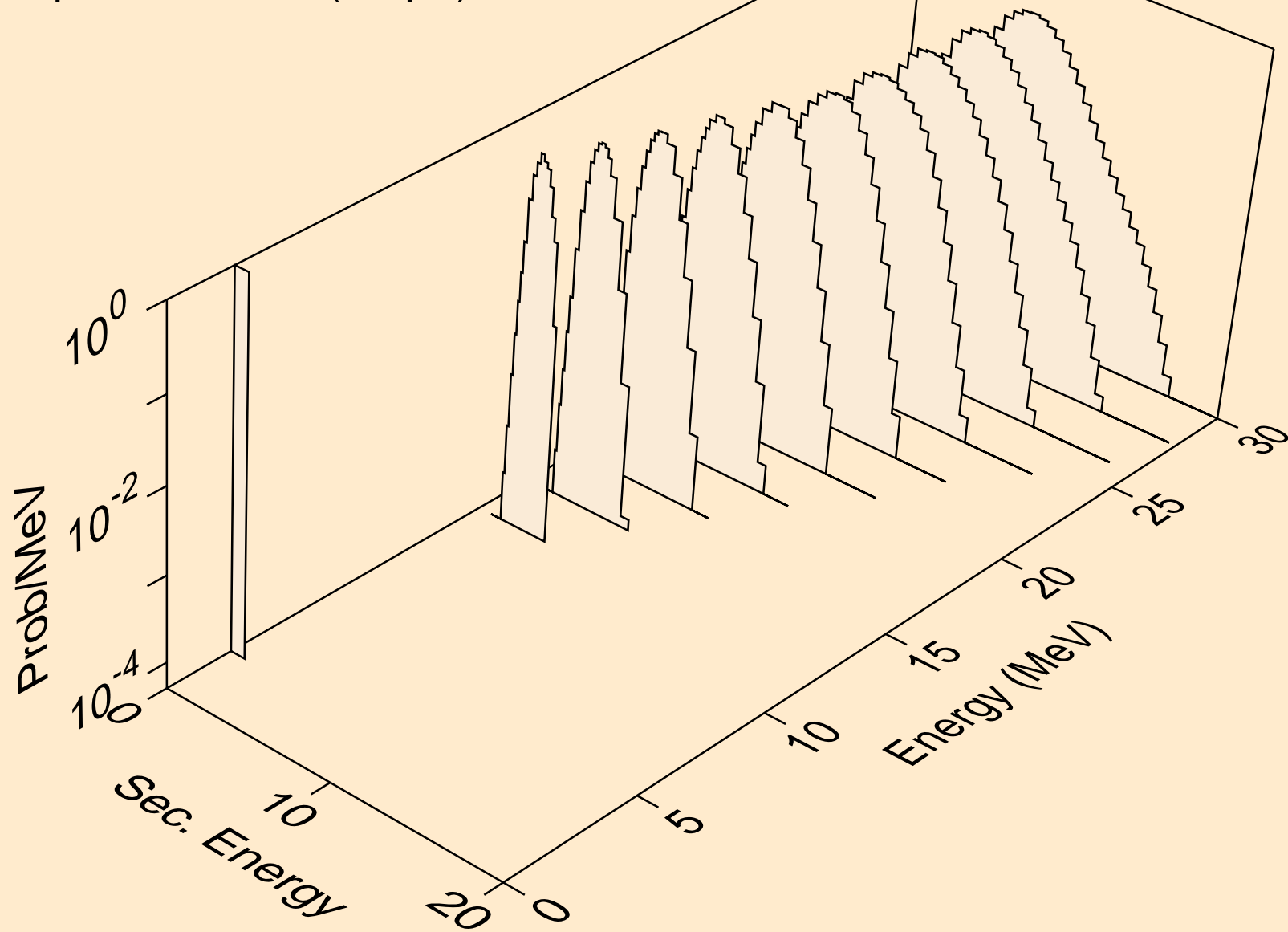
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protons from (n,3np)



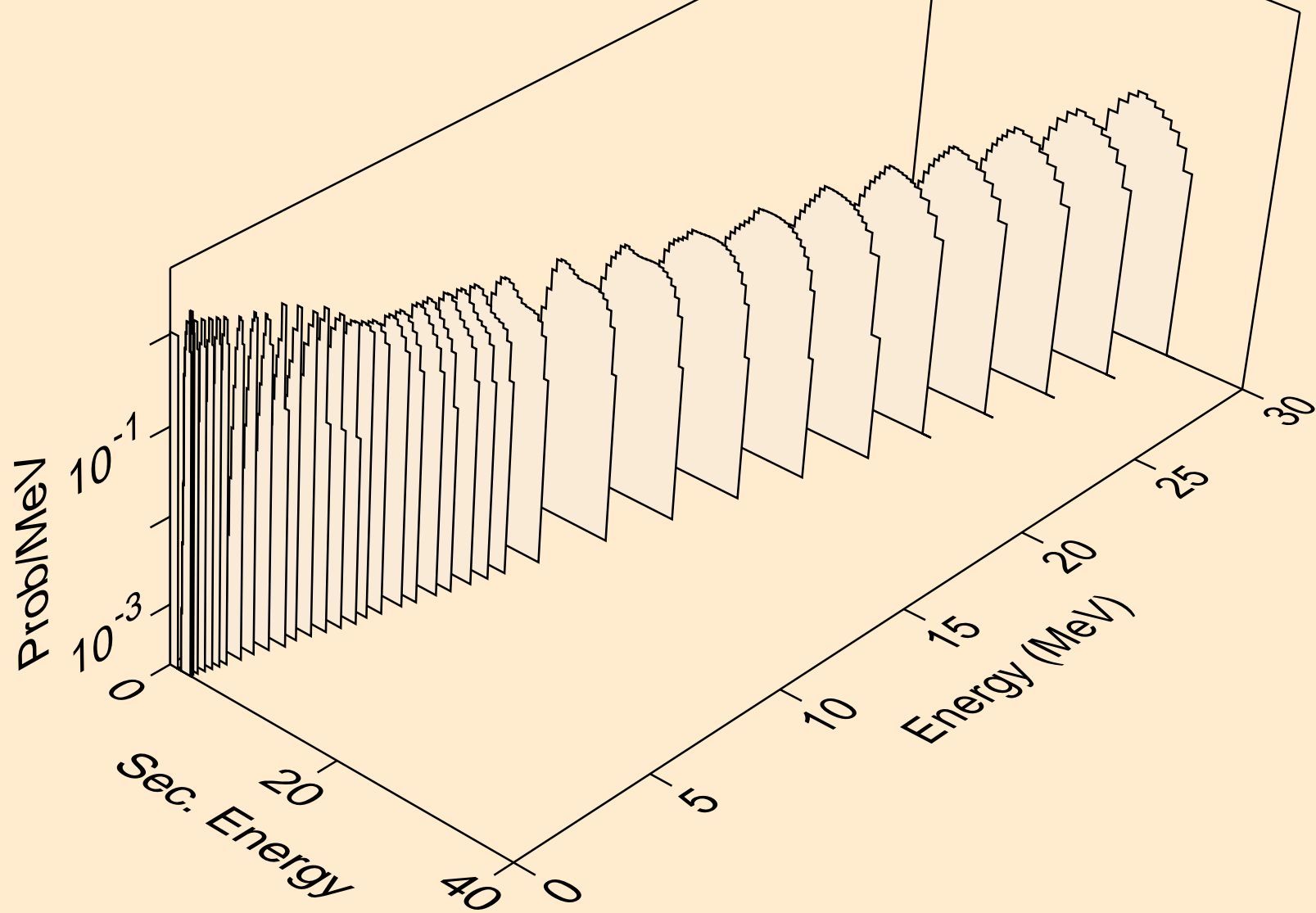
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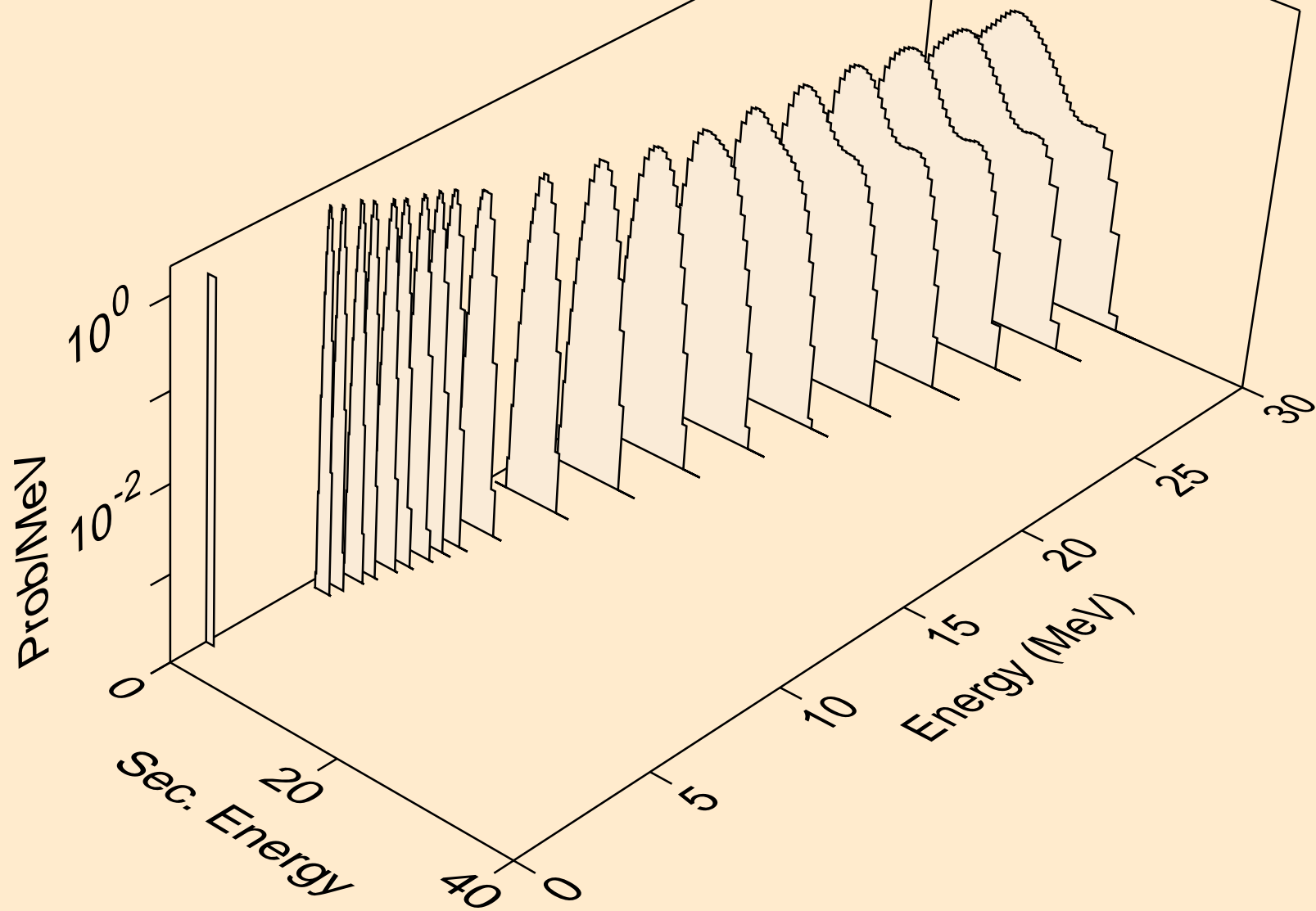
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protons from (n,npa)



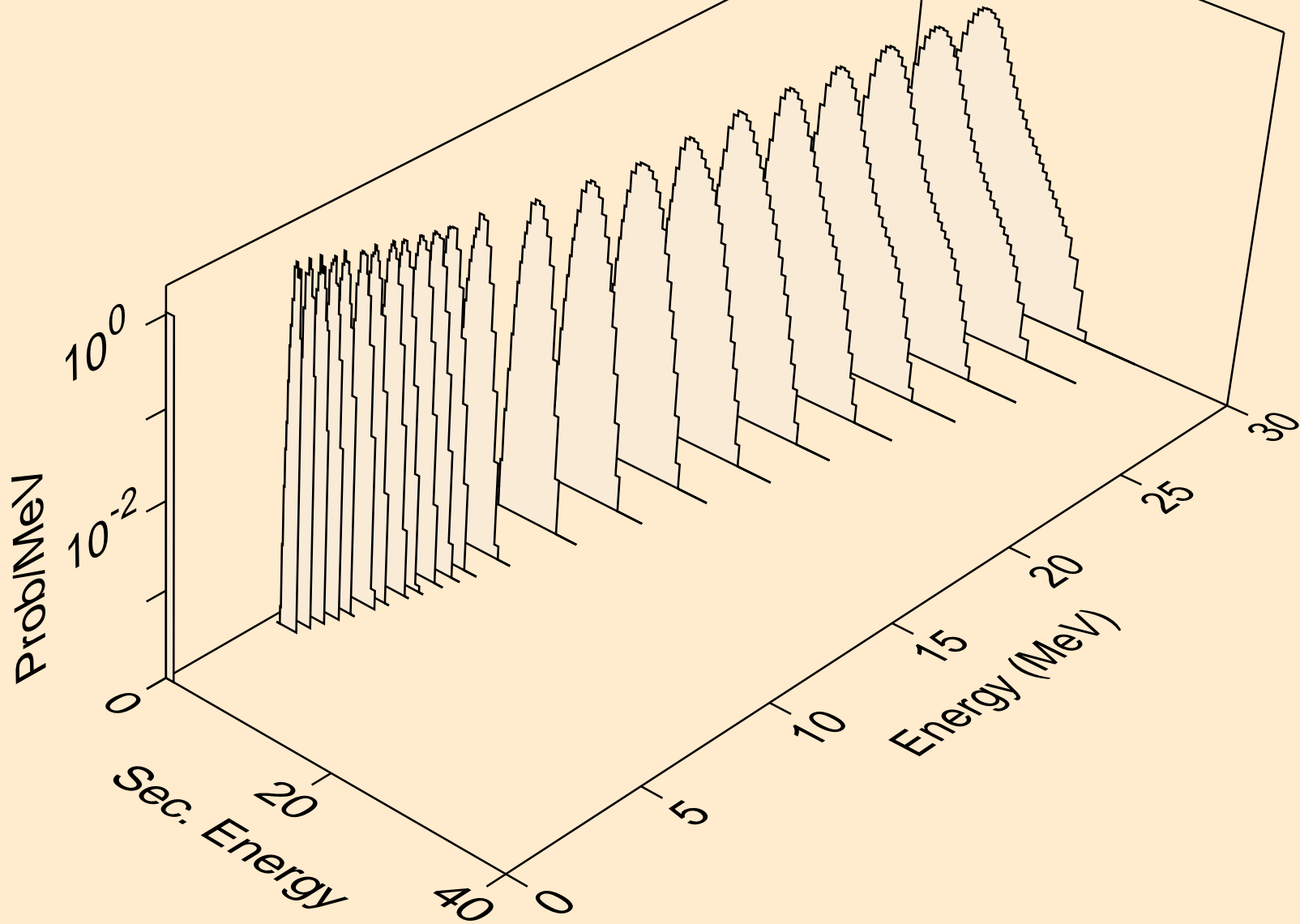
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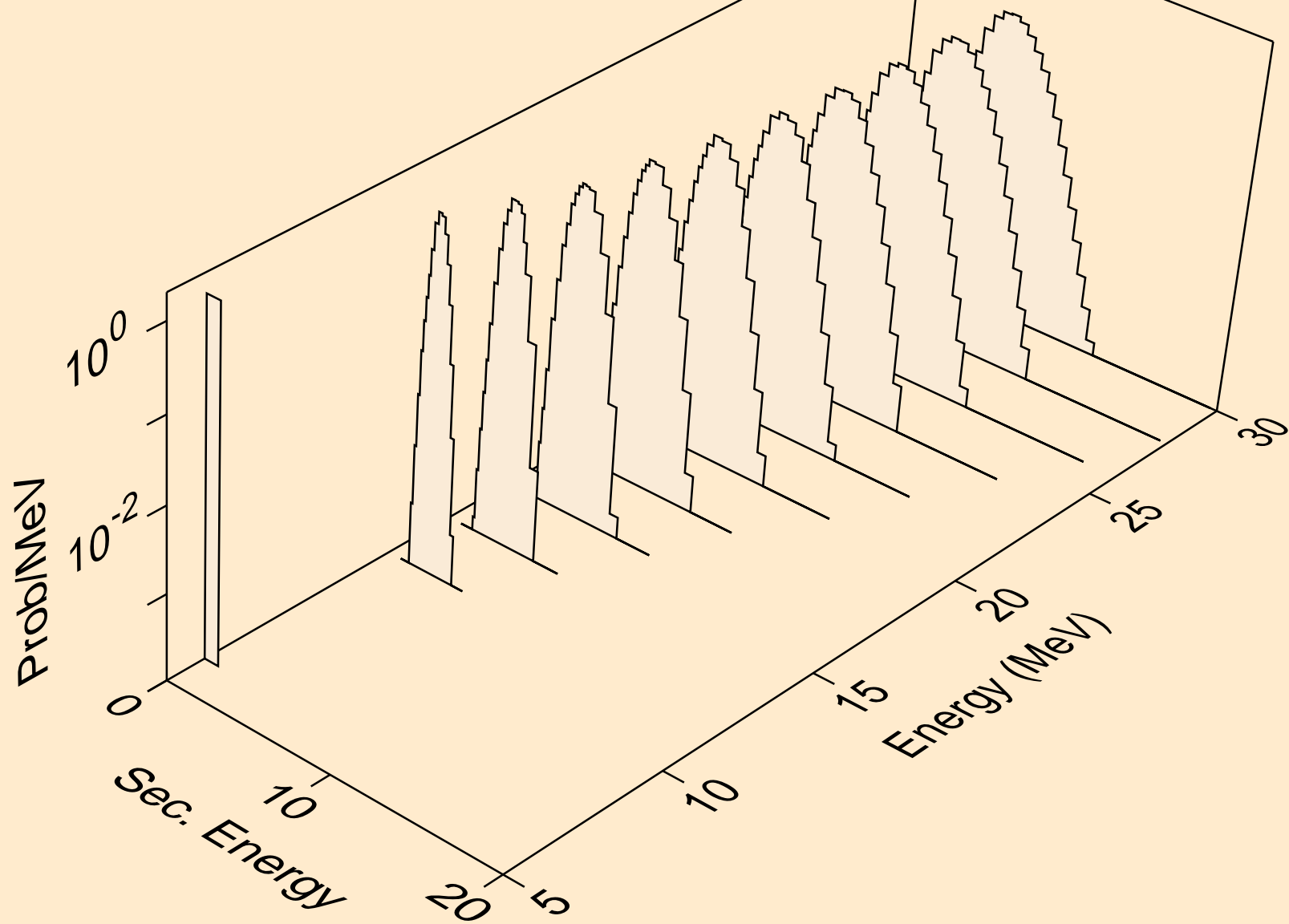
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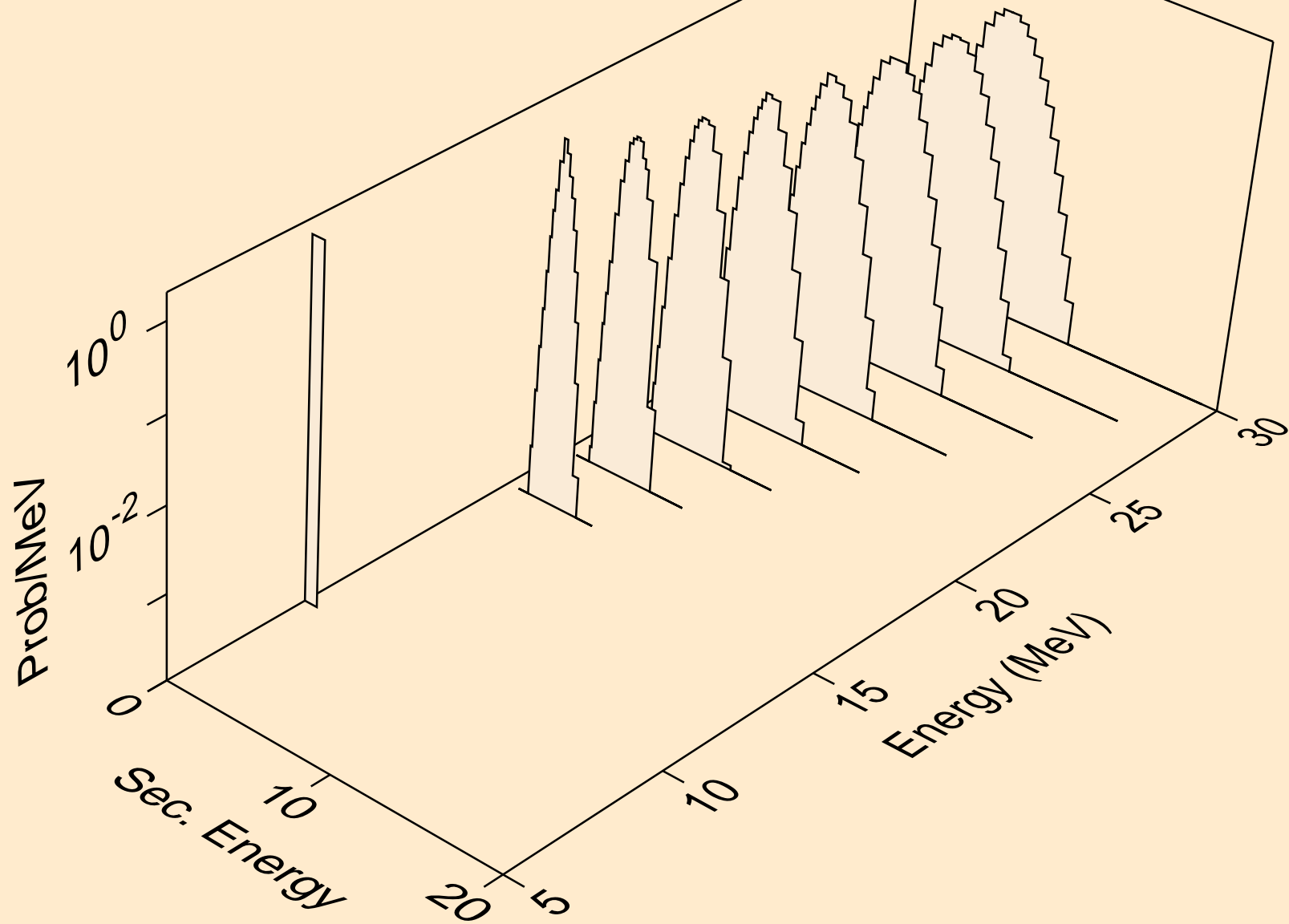
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protons from (n,p)



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protons from (n,pd)

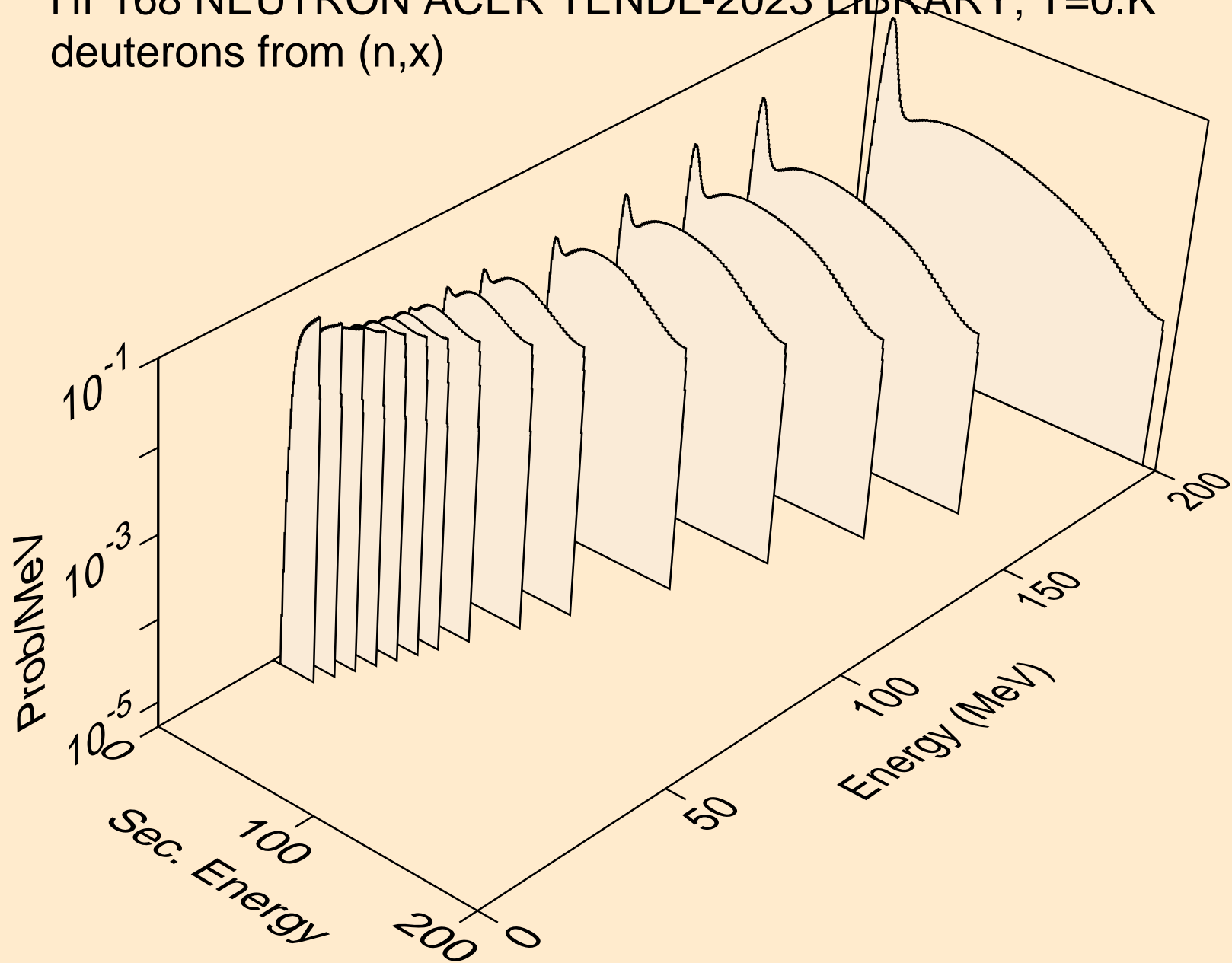


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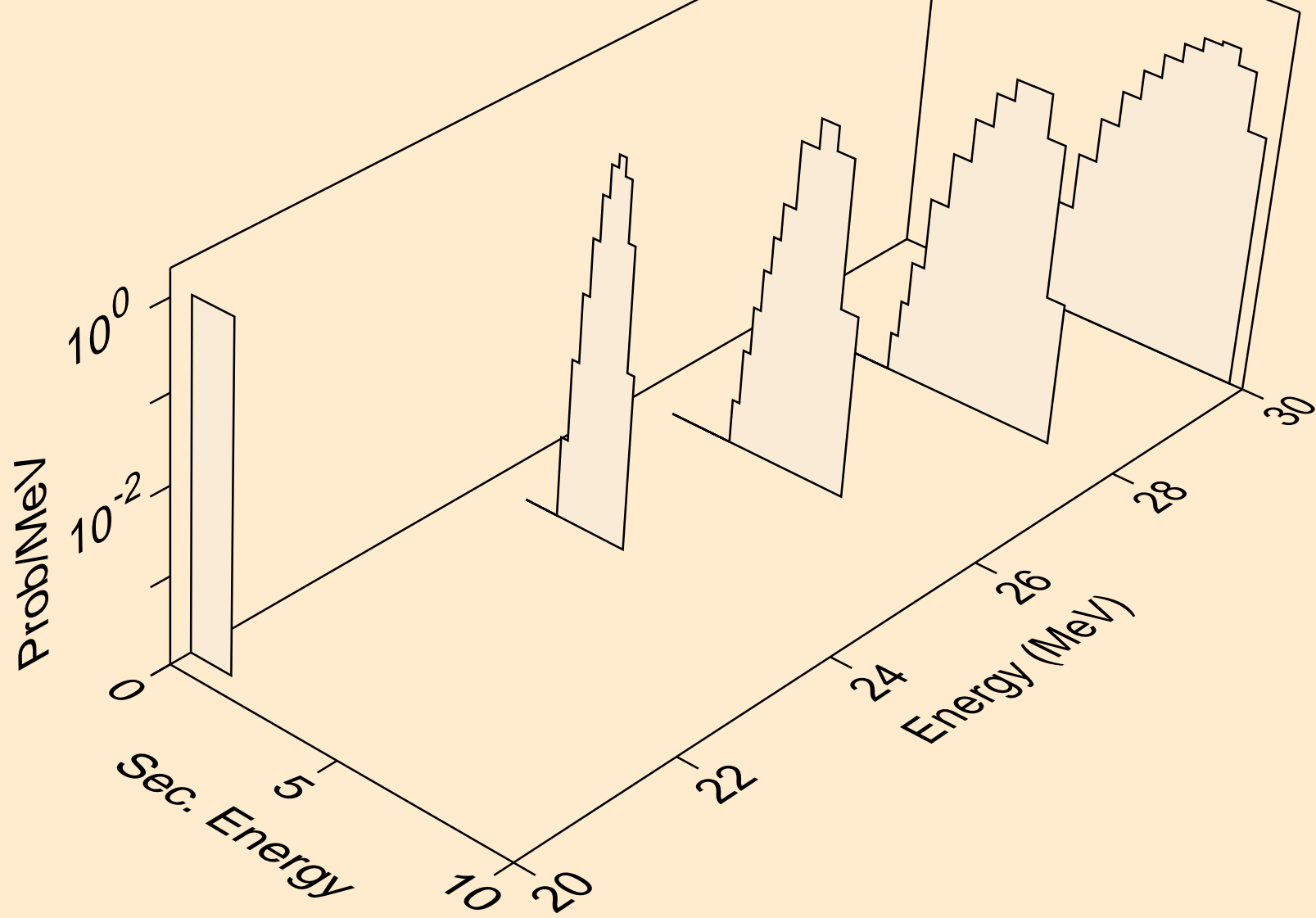




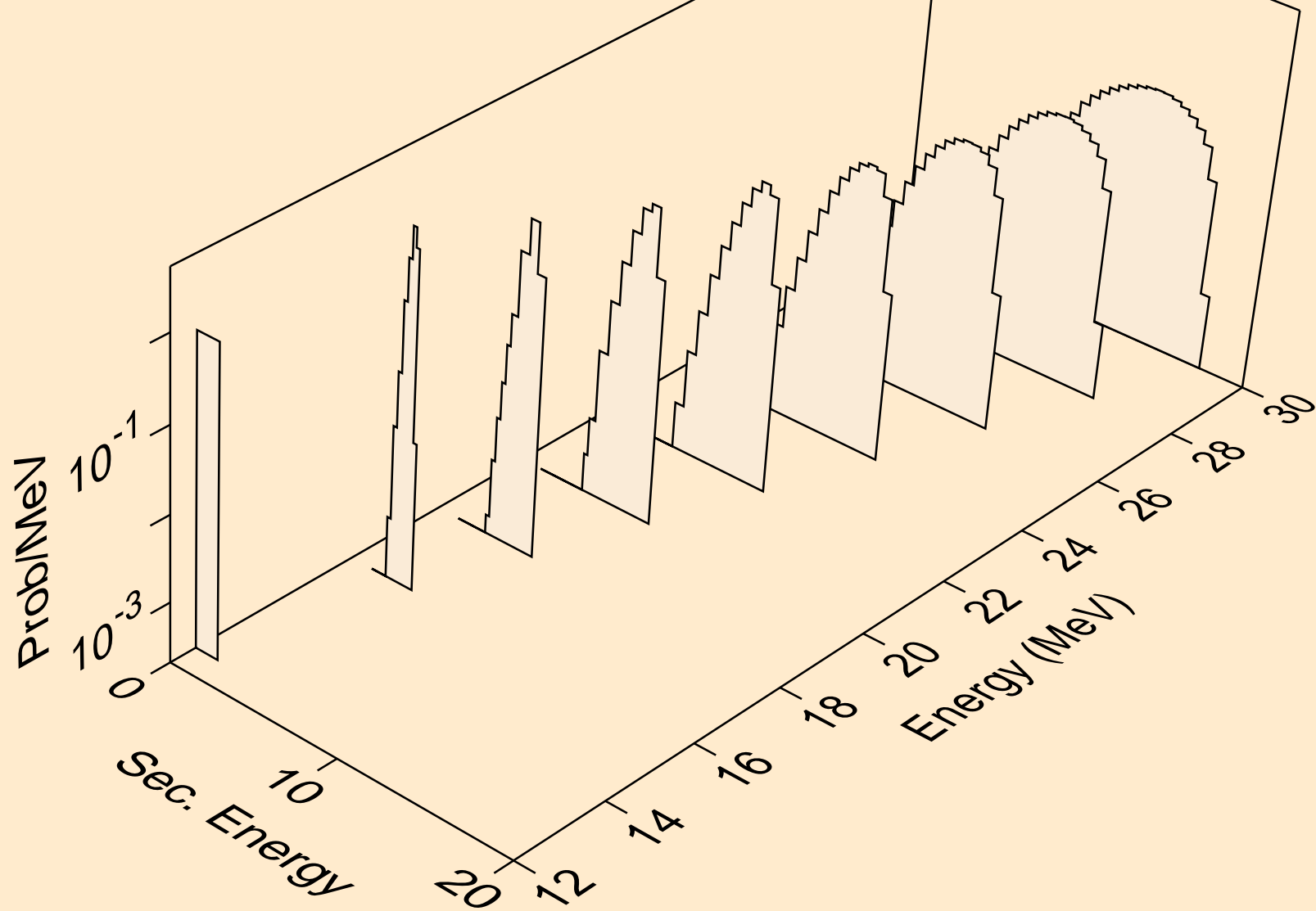
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deuterons from (n,x)



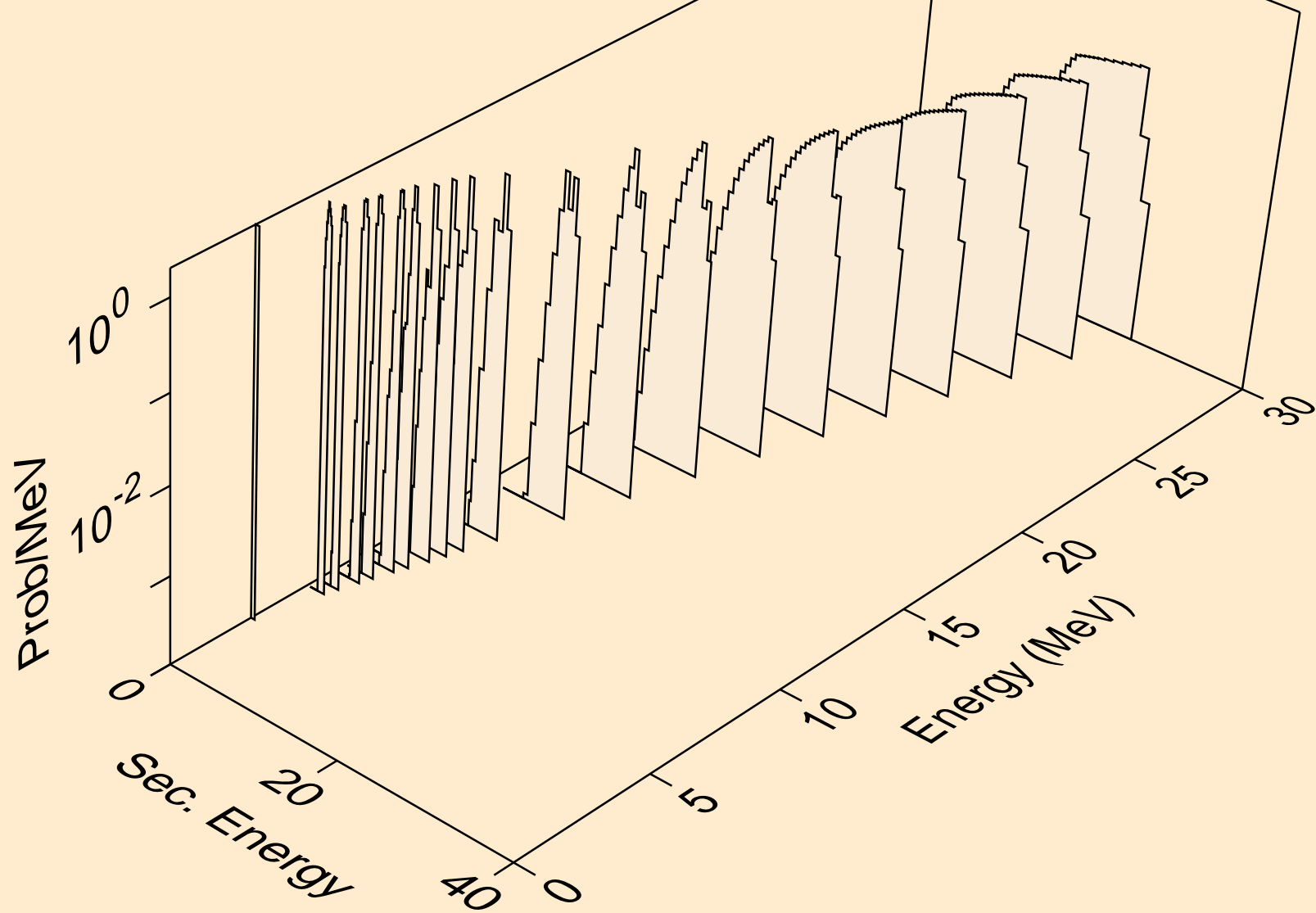
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deuterons from (n,2nd)



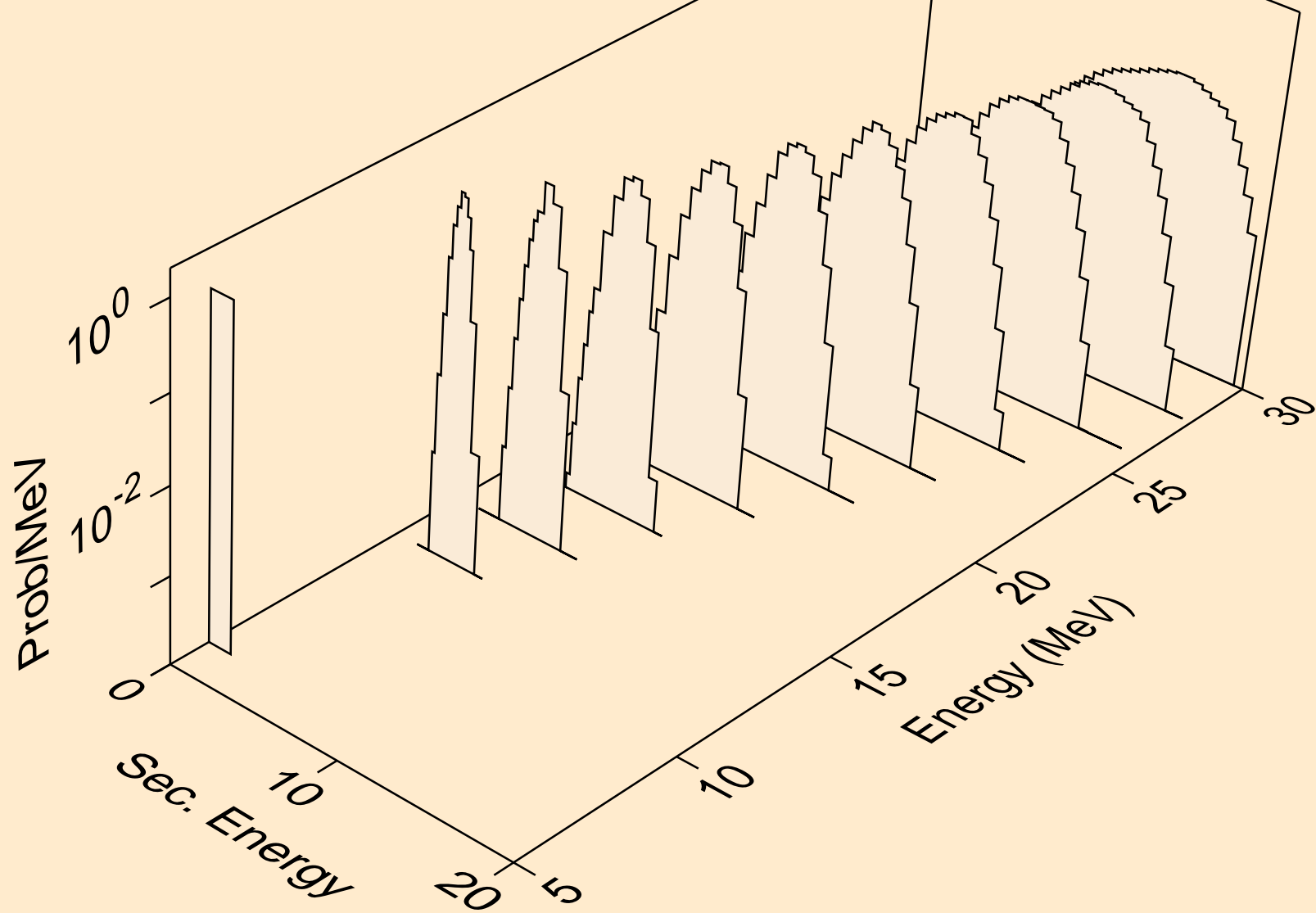
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



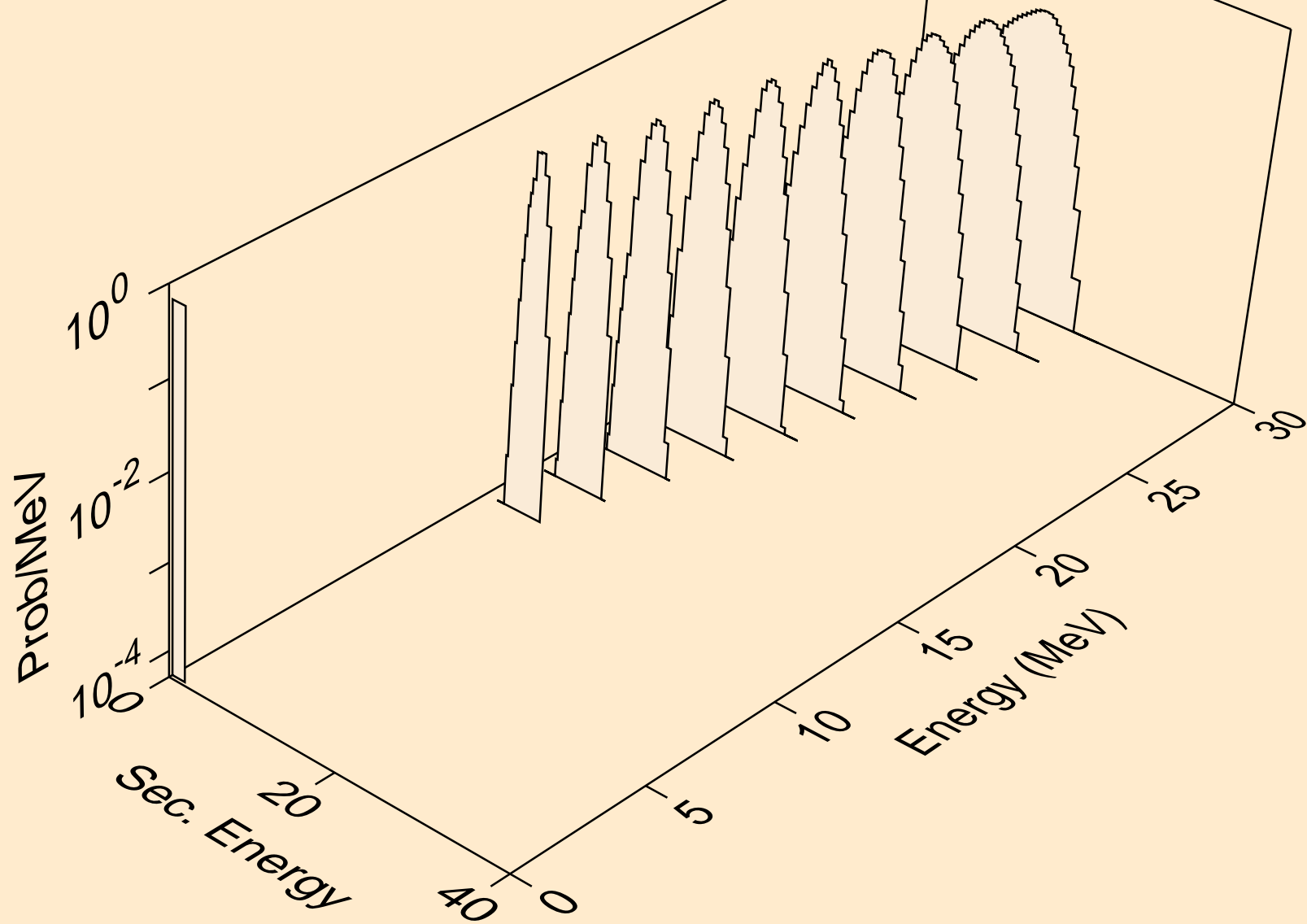
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deuterons from (n,d)



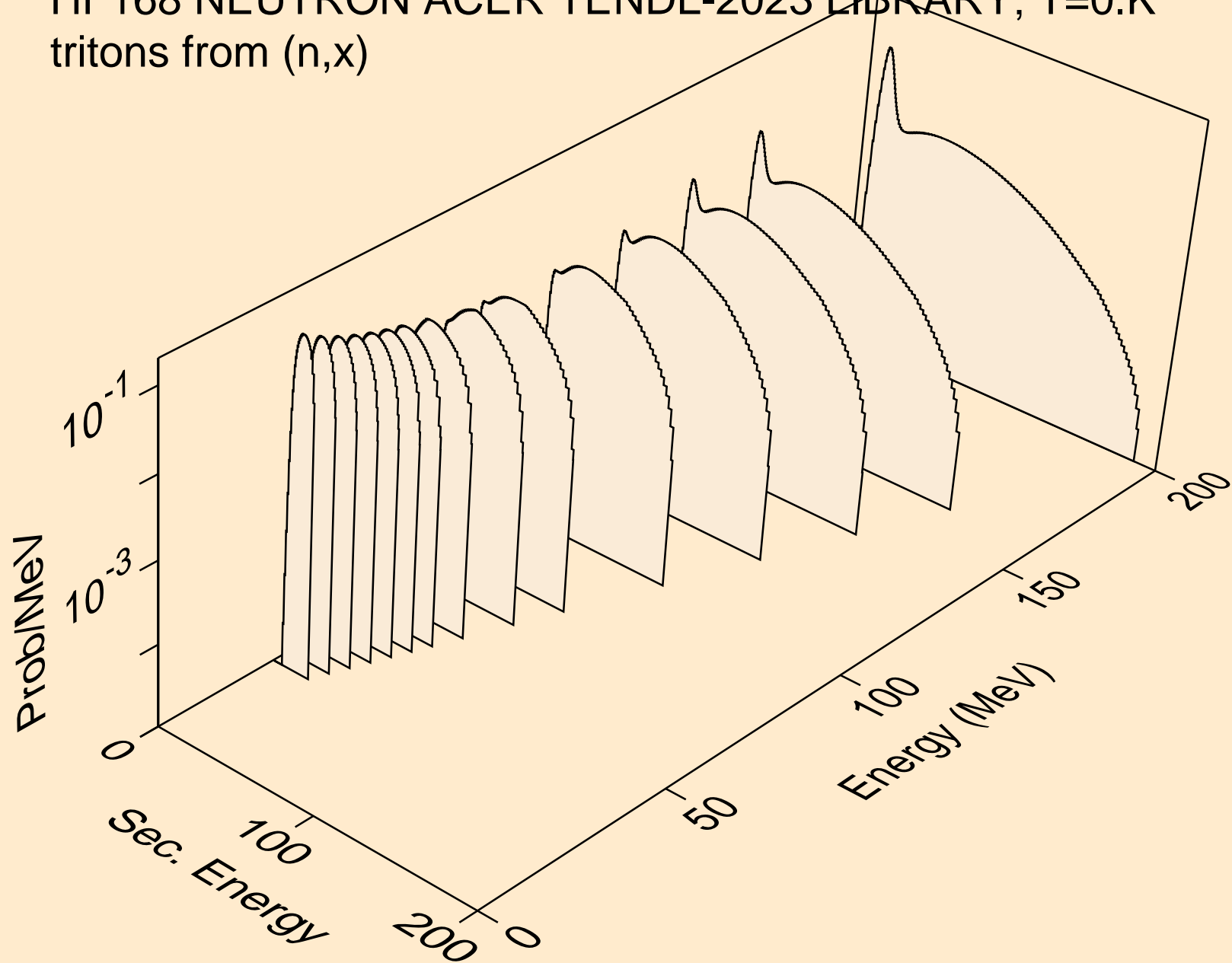
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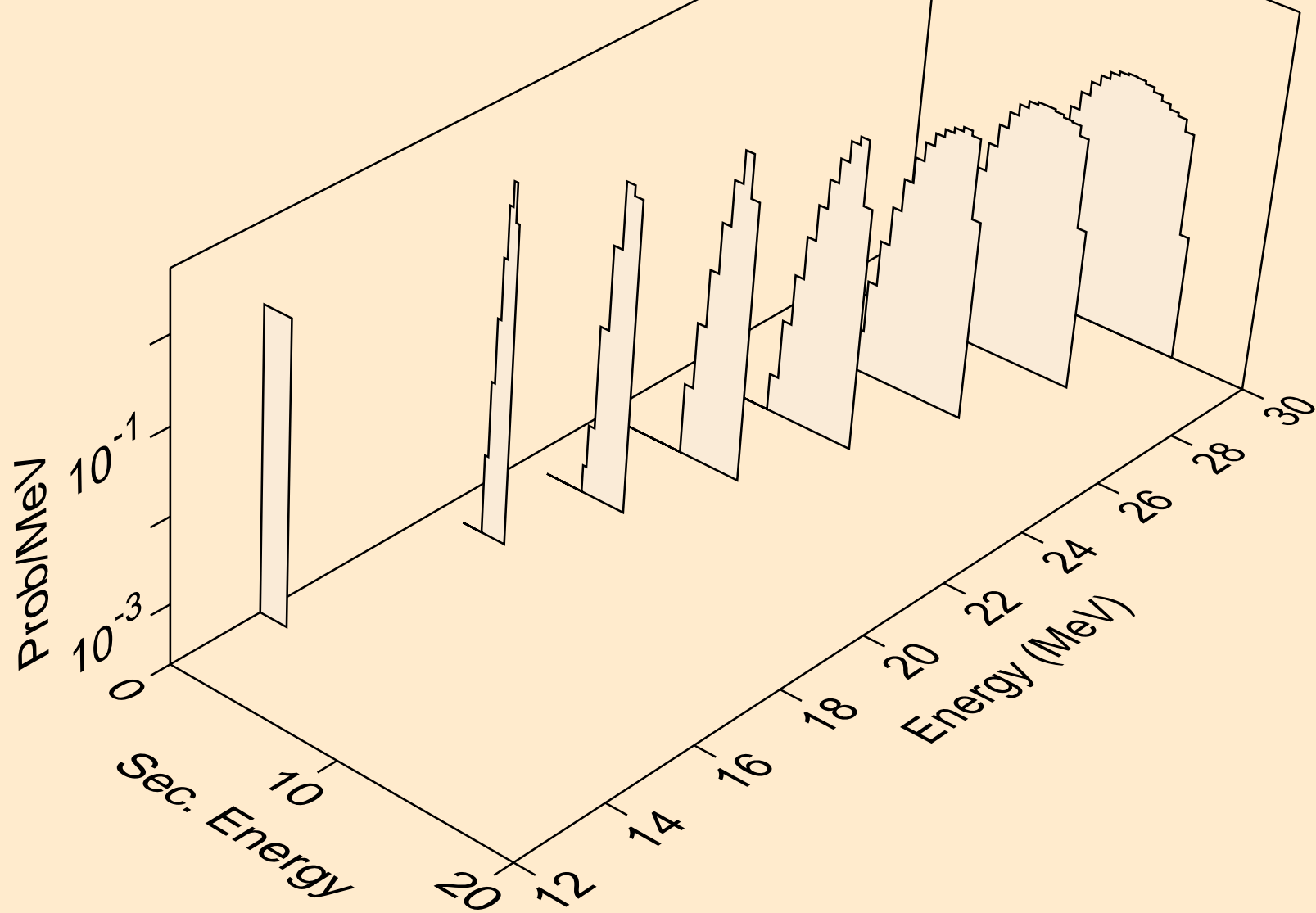
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deuterons from (n,da)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

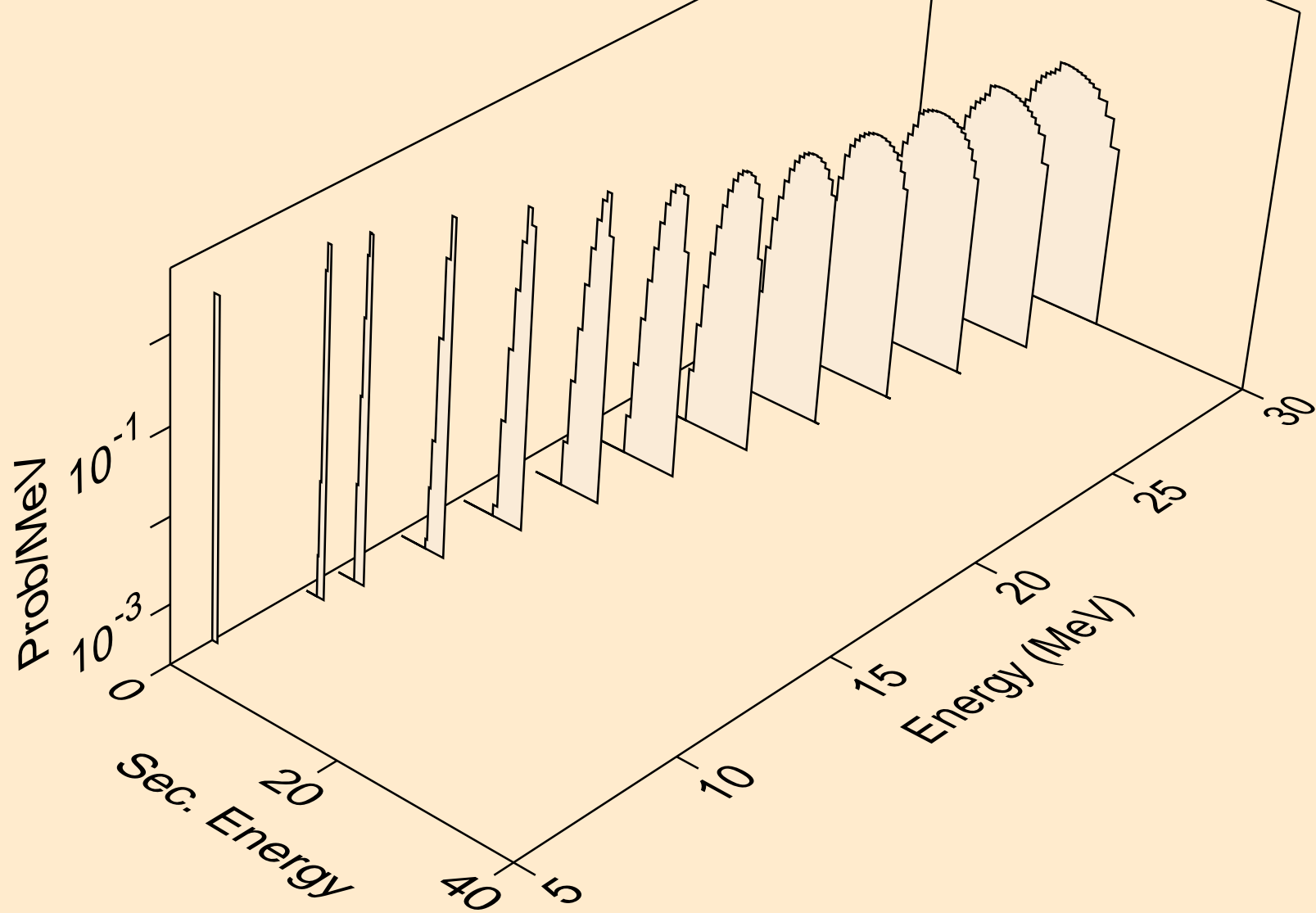


HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

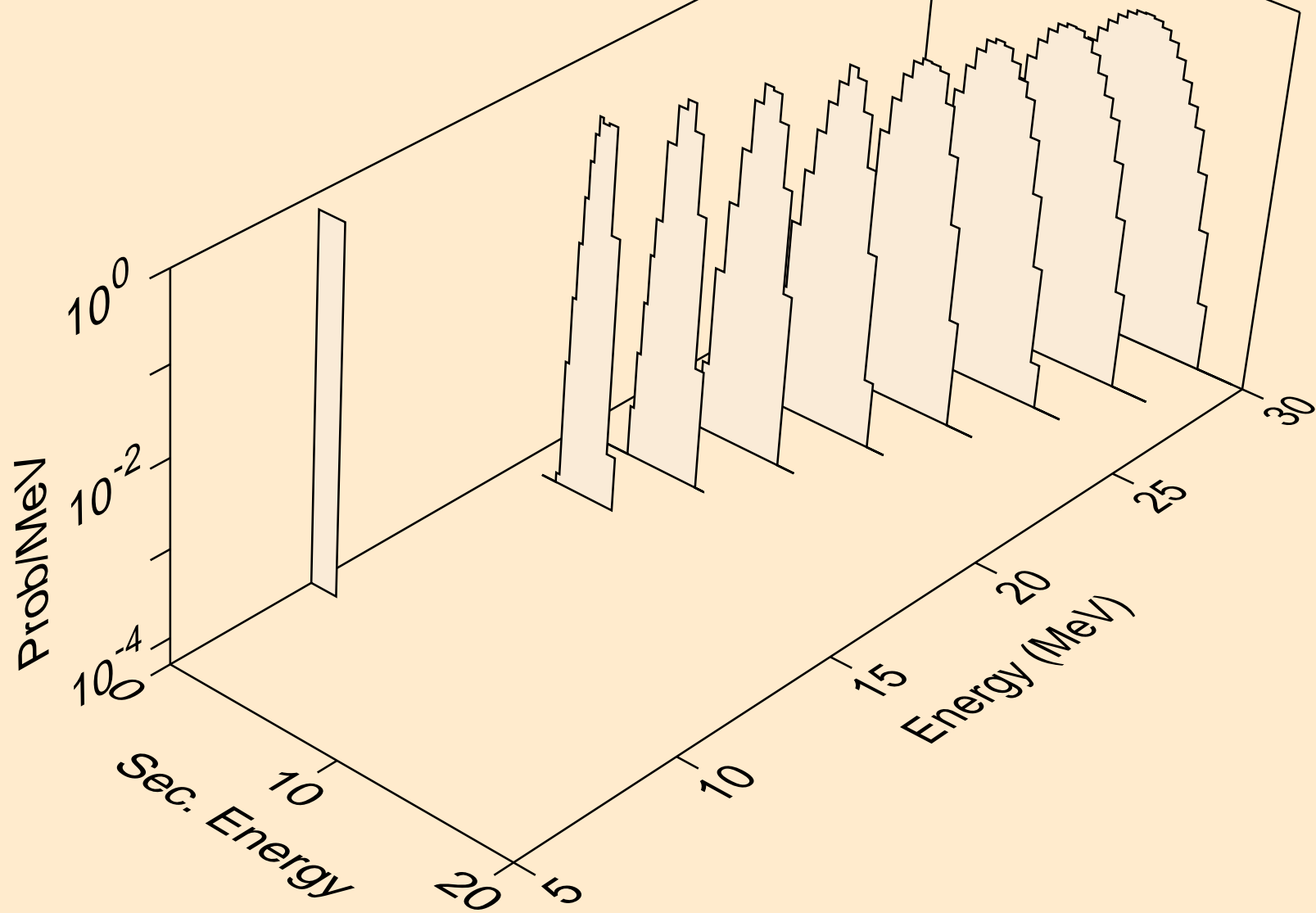




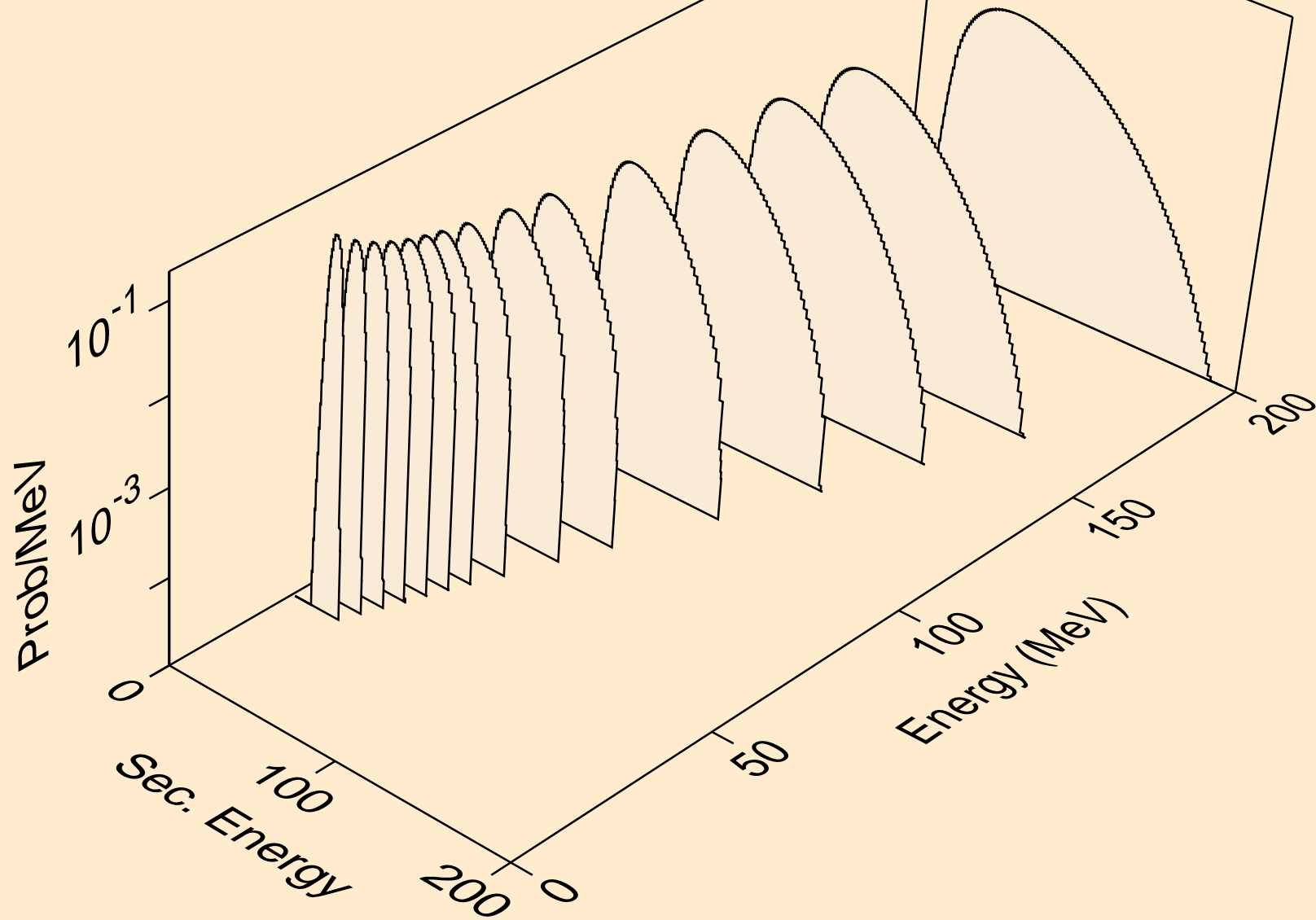
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tritons from (n,t)



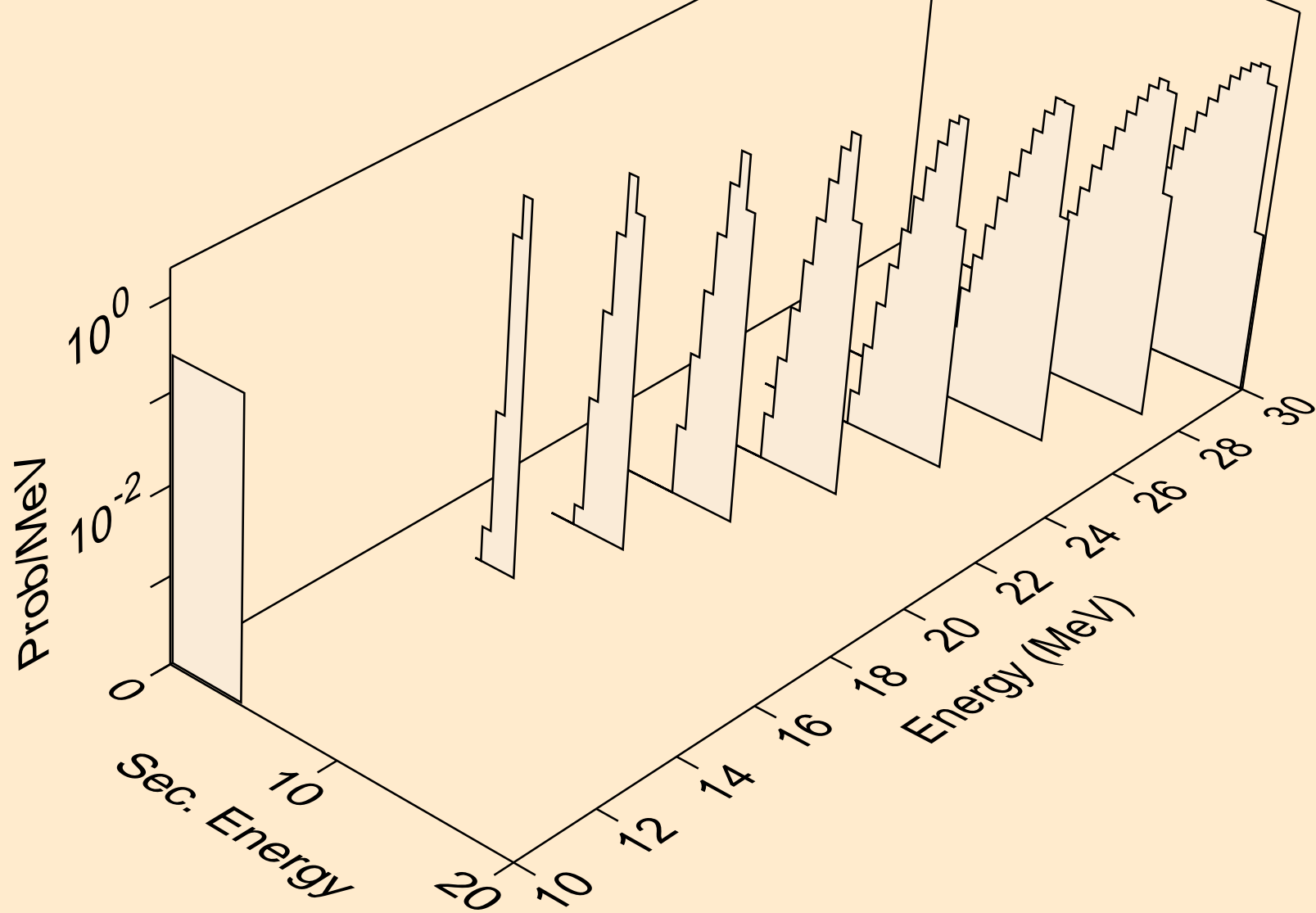
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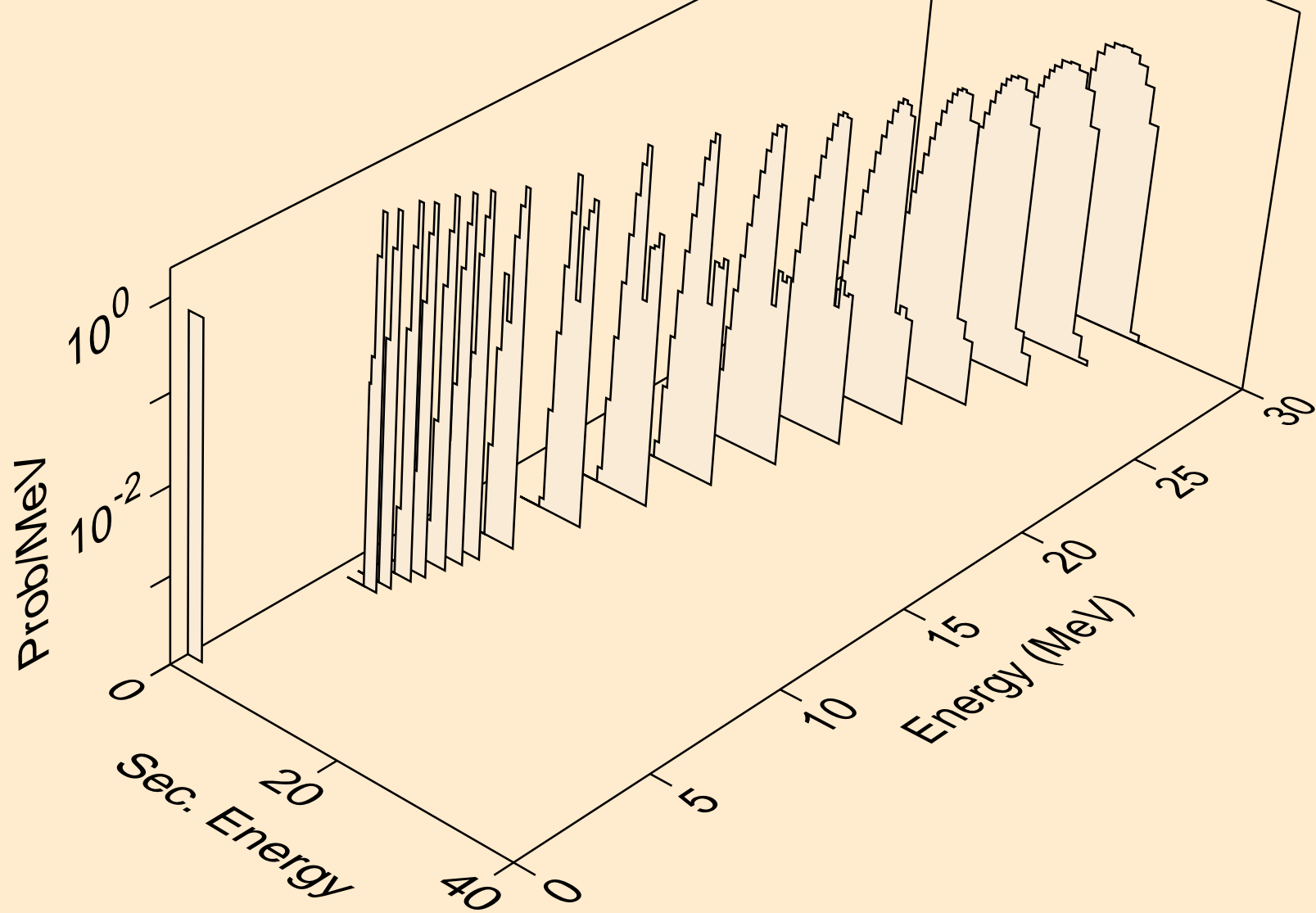
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he3s from (n,x)



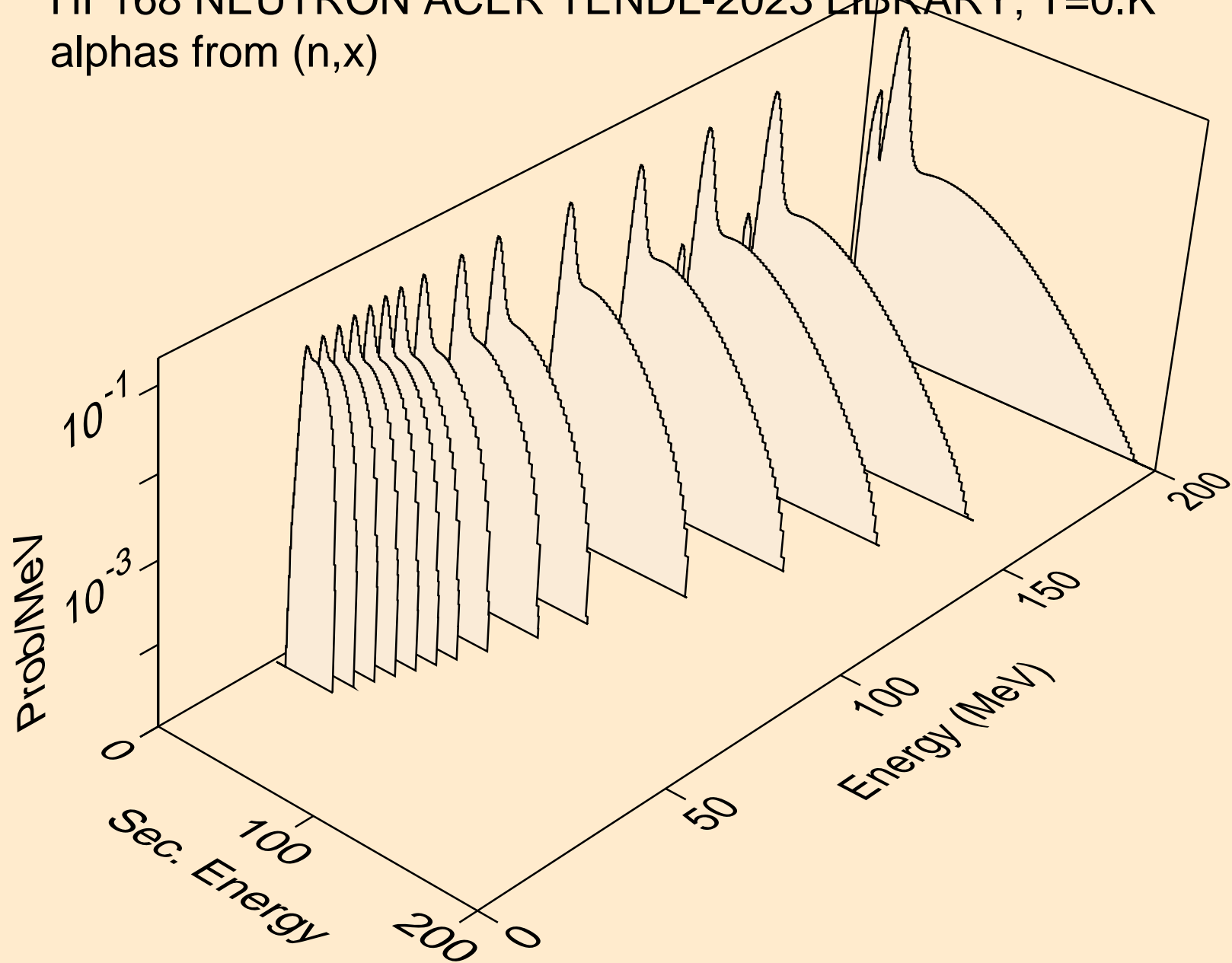
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he3s from (n,n\*)he3



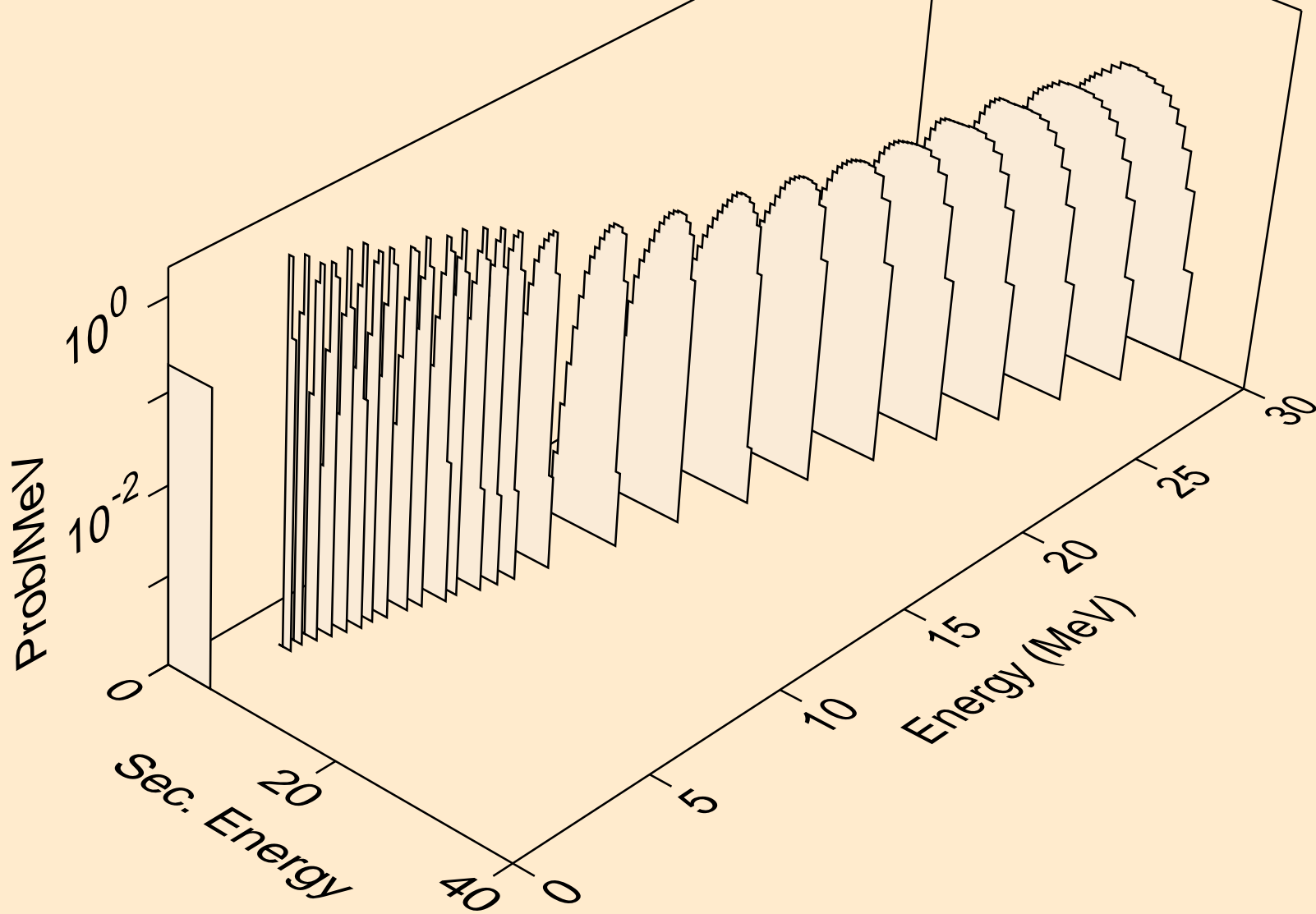
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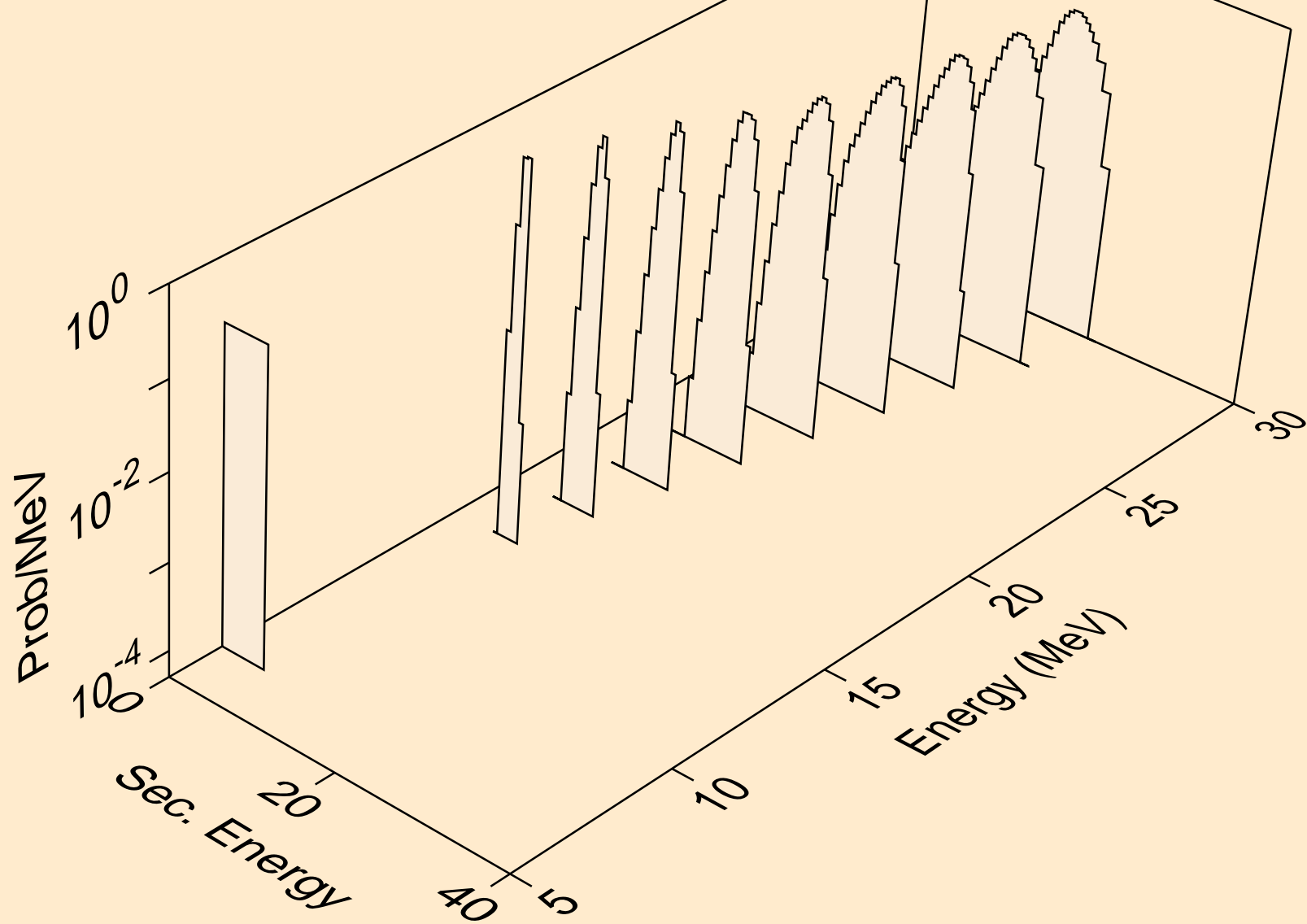
HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

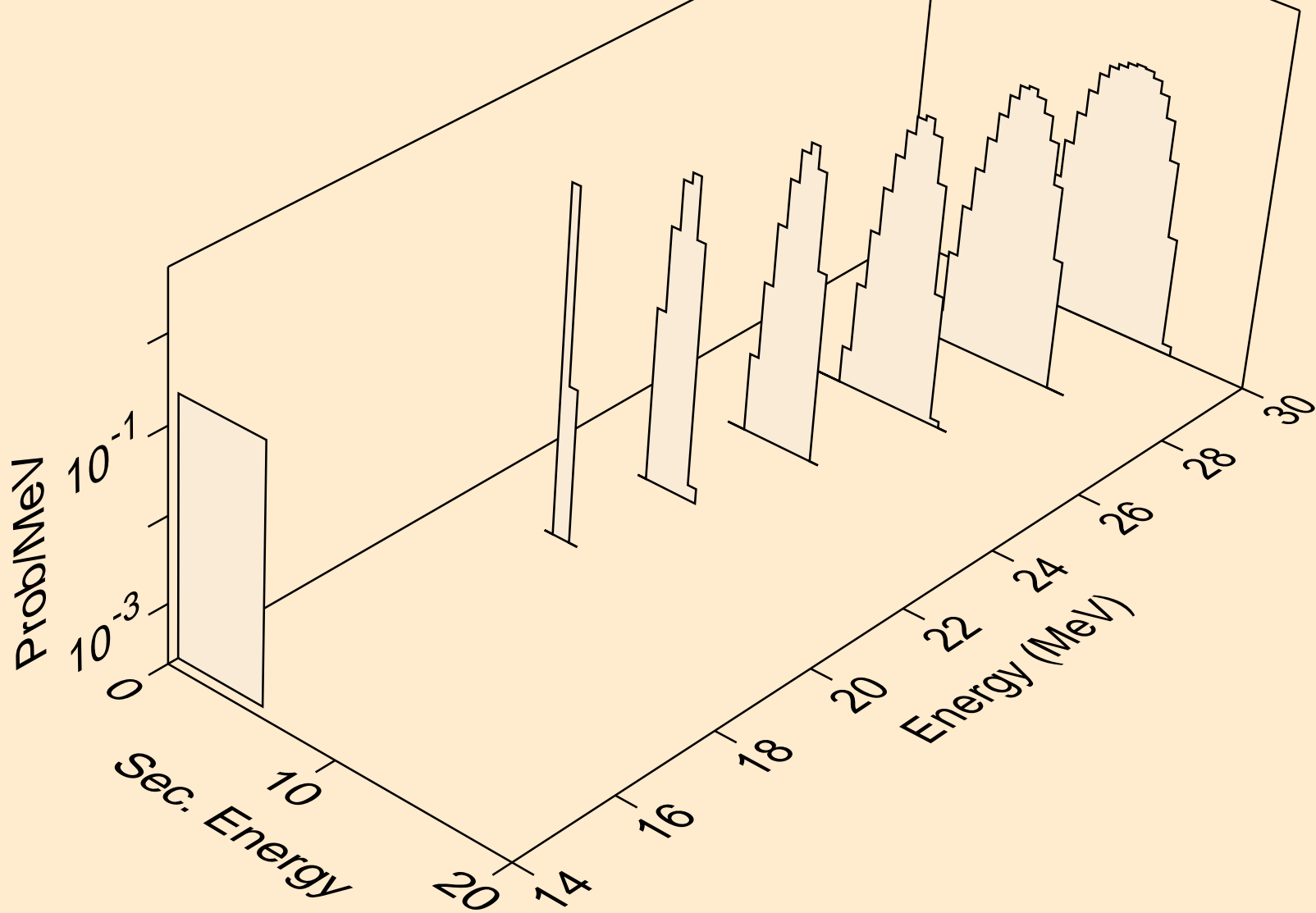


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alphas from (n,2n)a

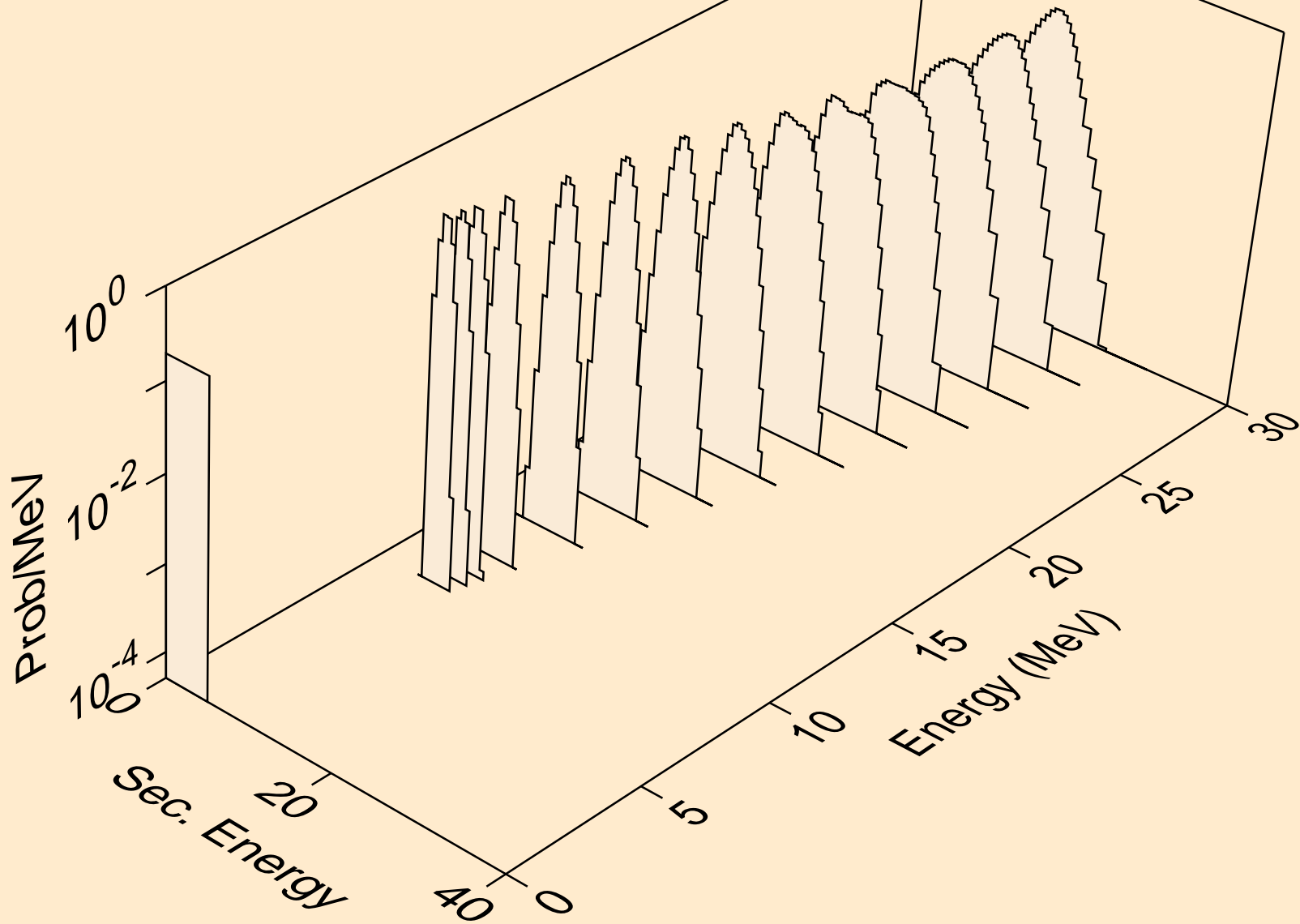




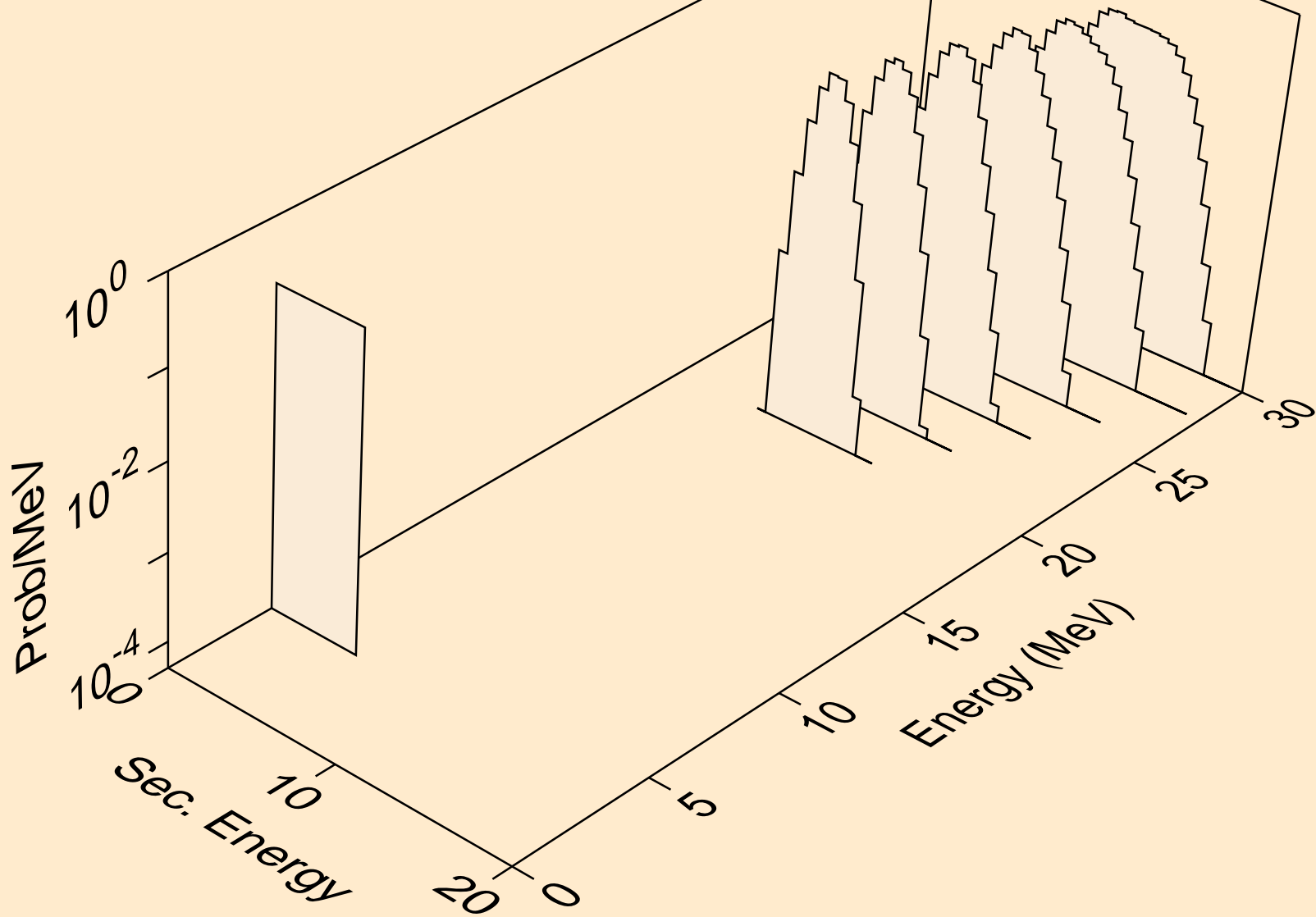
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alphas from (n,3n)a



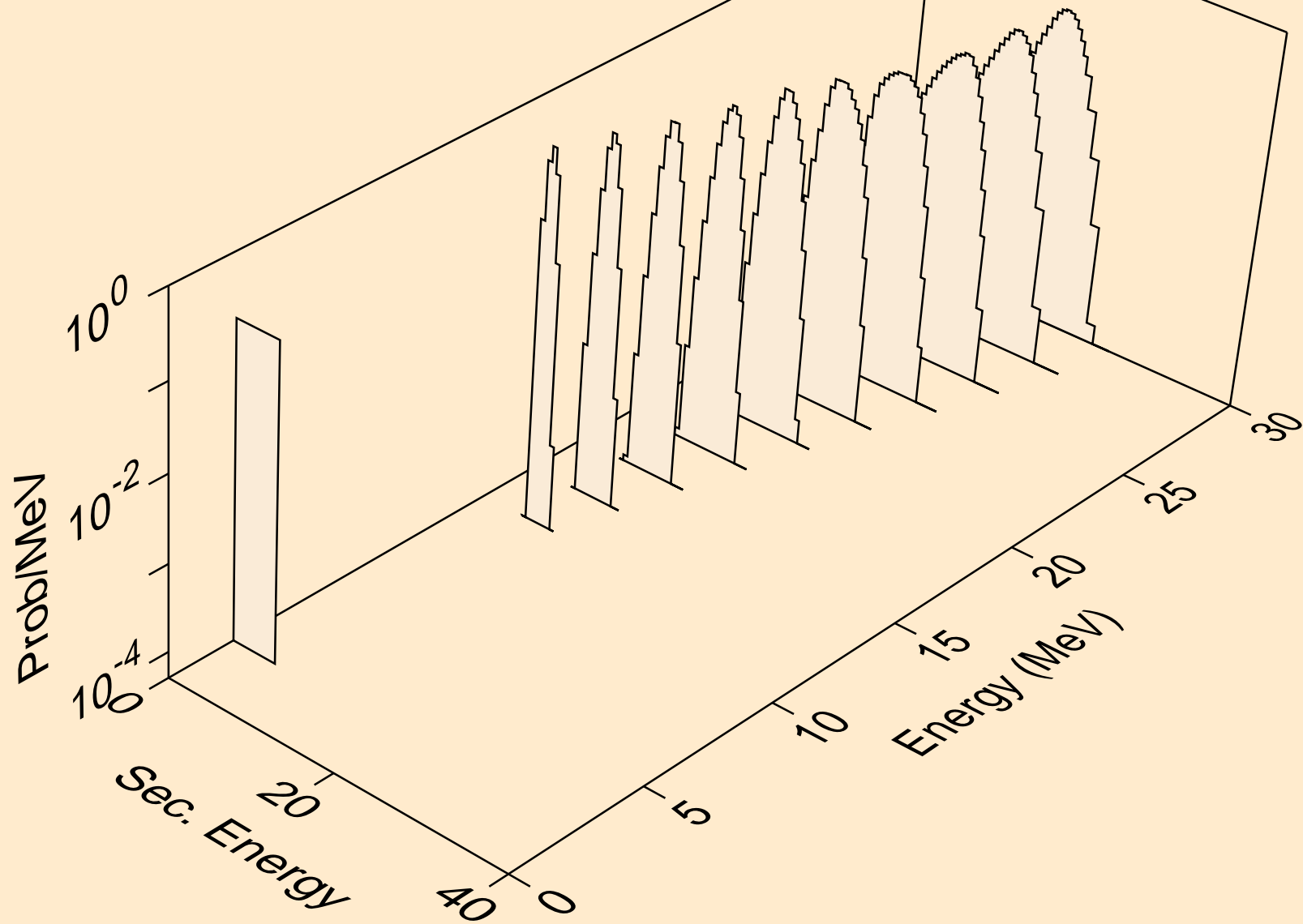
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alphas from (n,n\*)2a



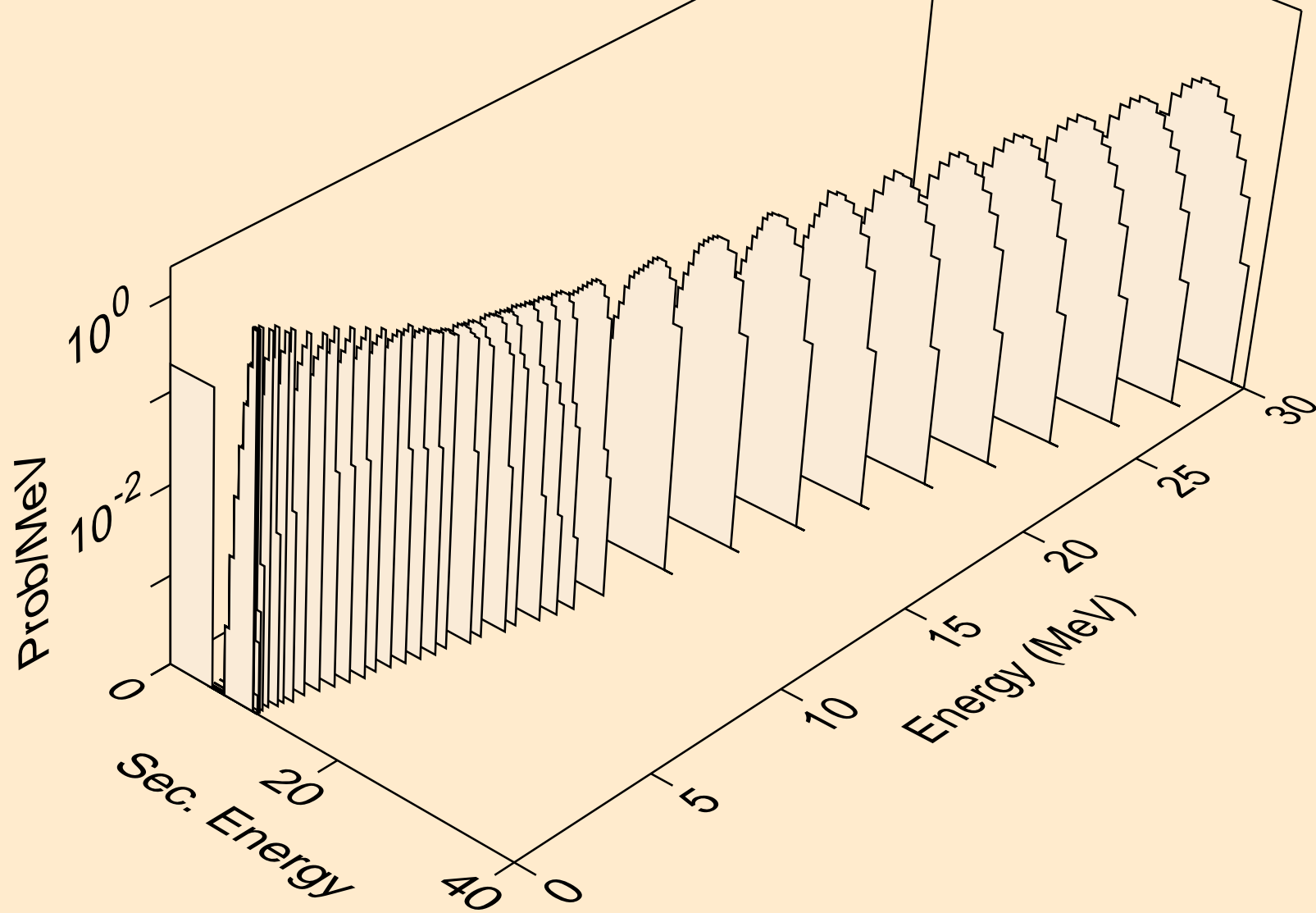
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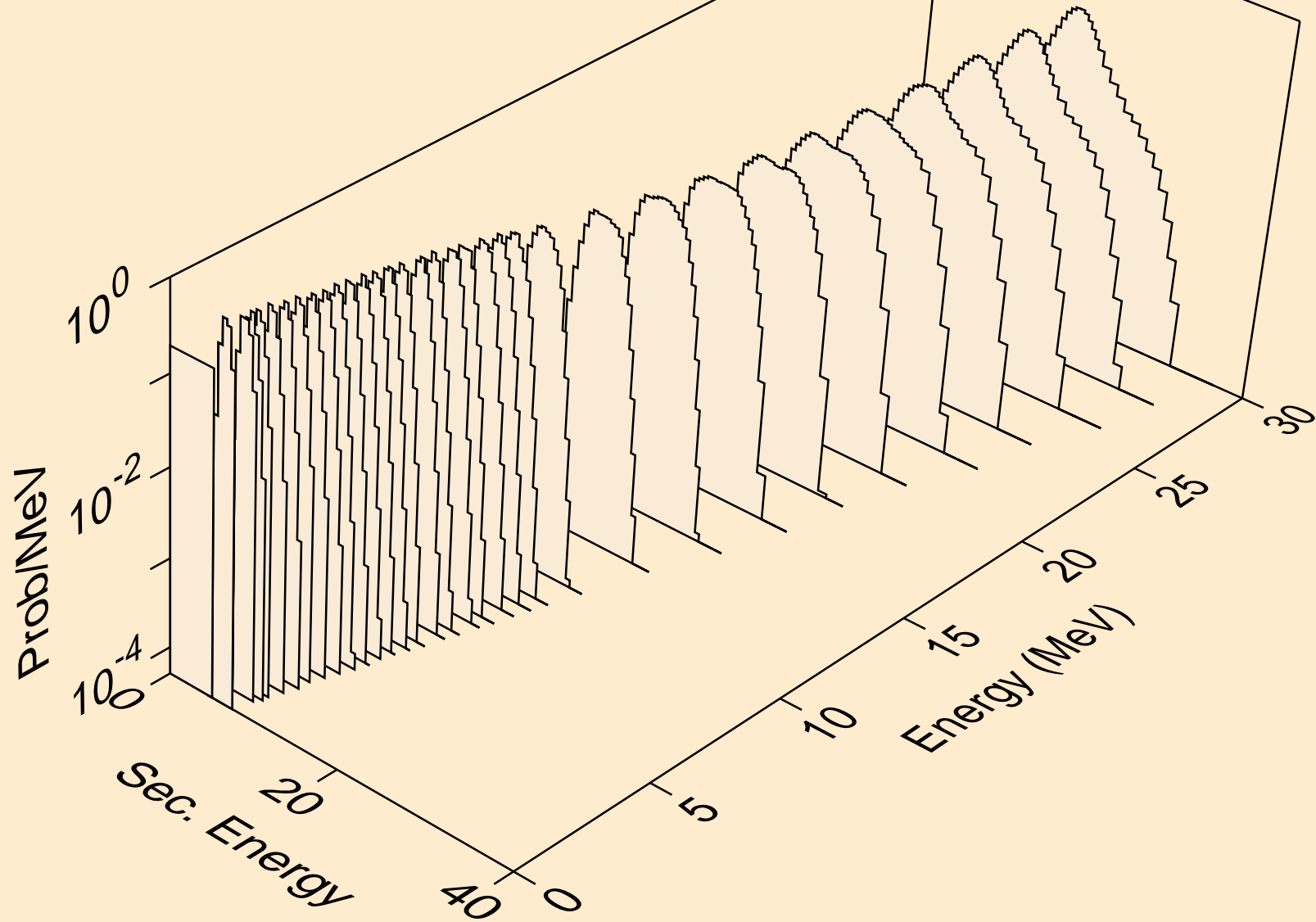
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alphas from (n,npa)



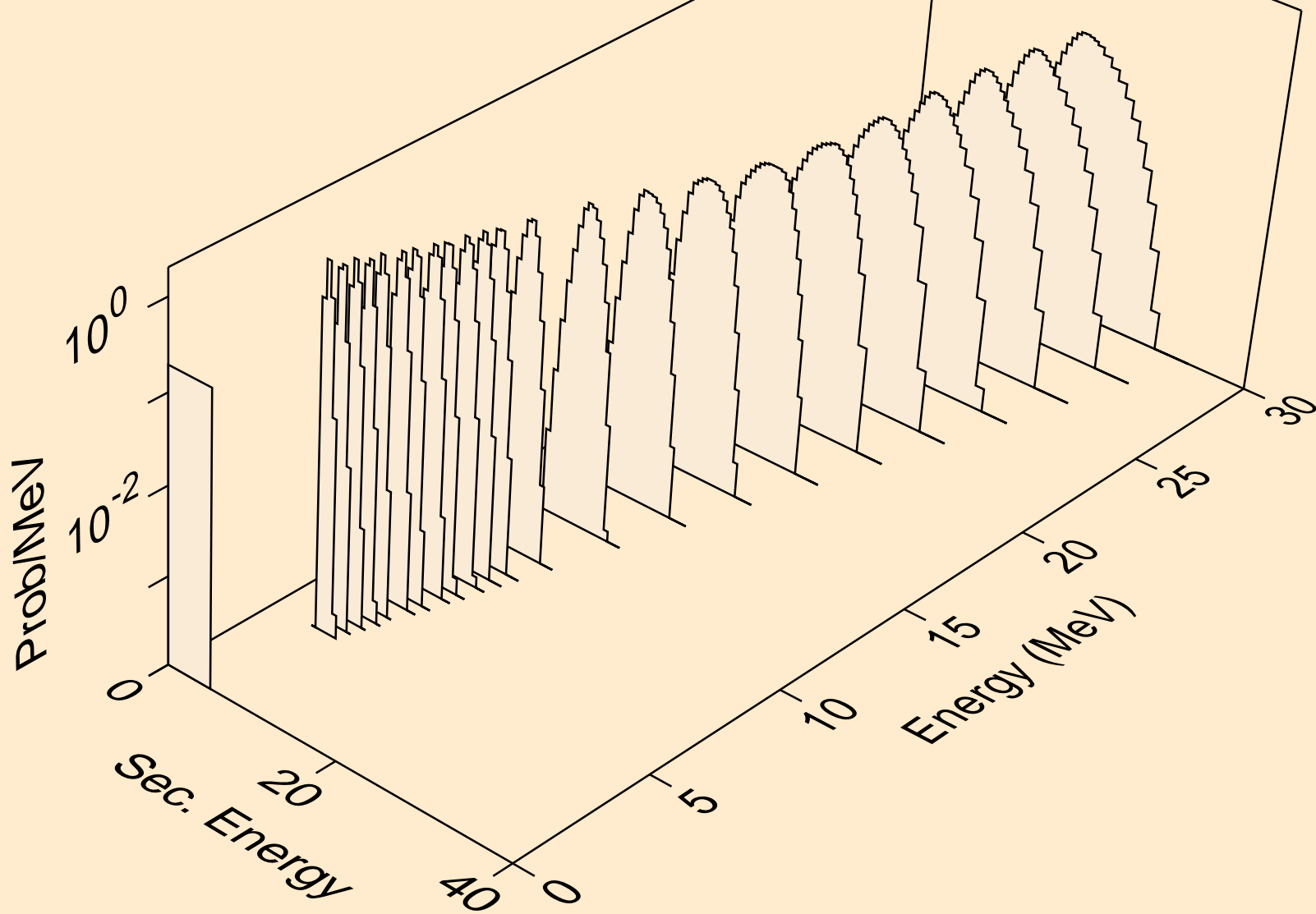
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alphas from (n,a)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



HF168 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

