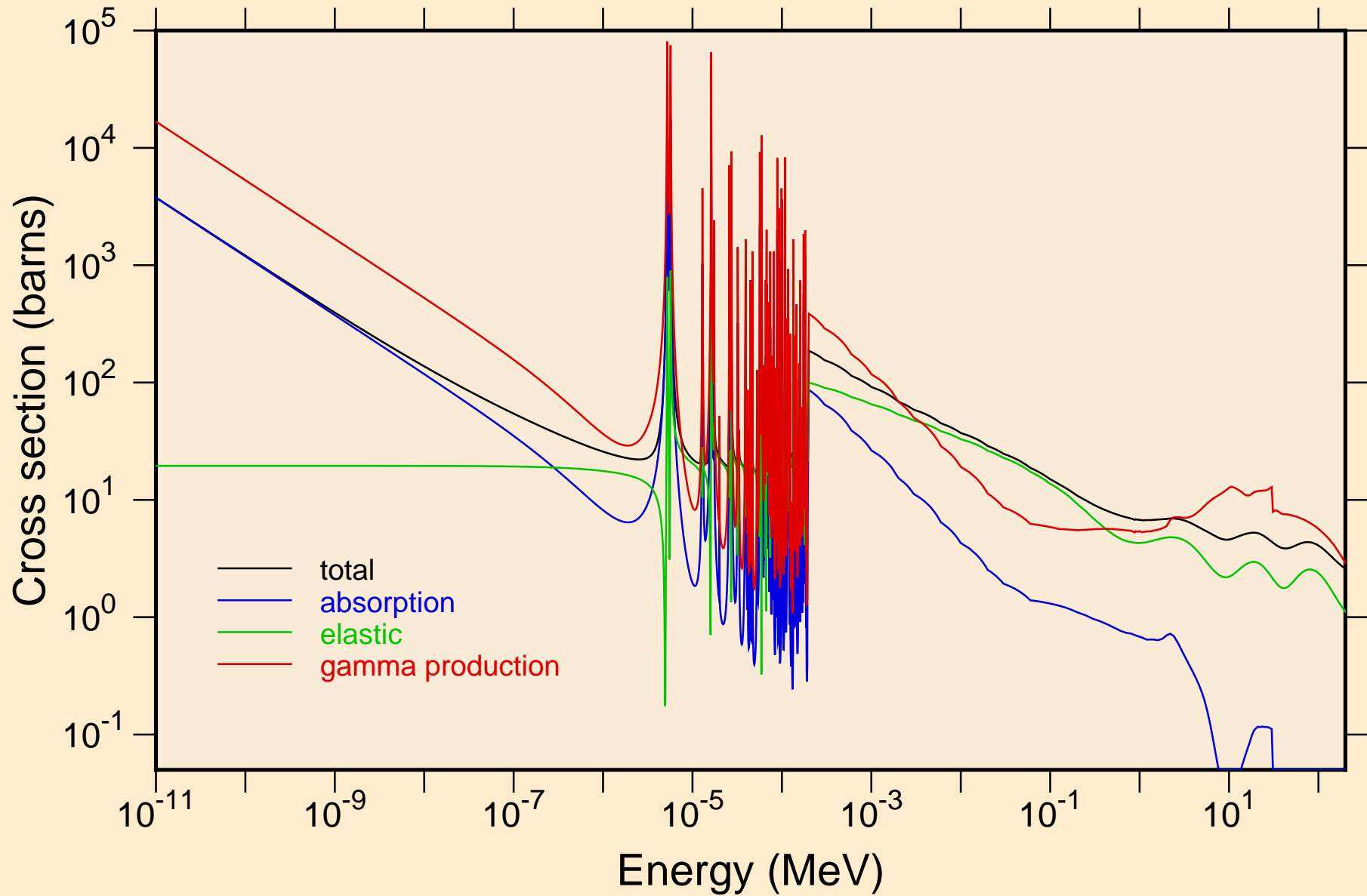
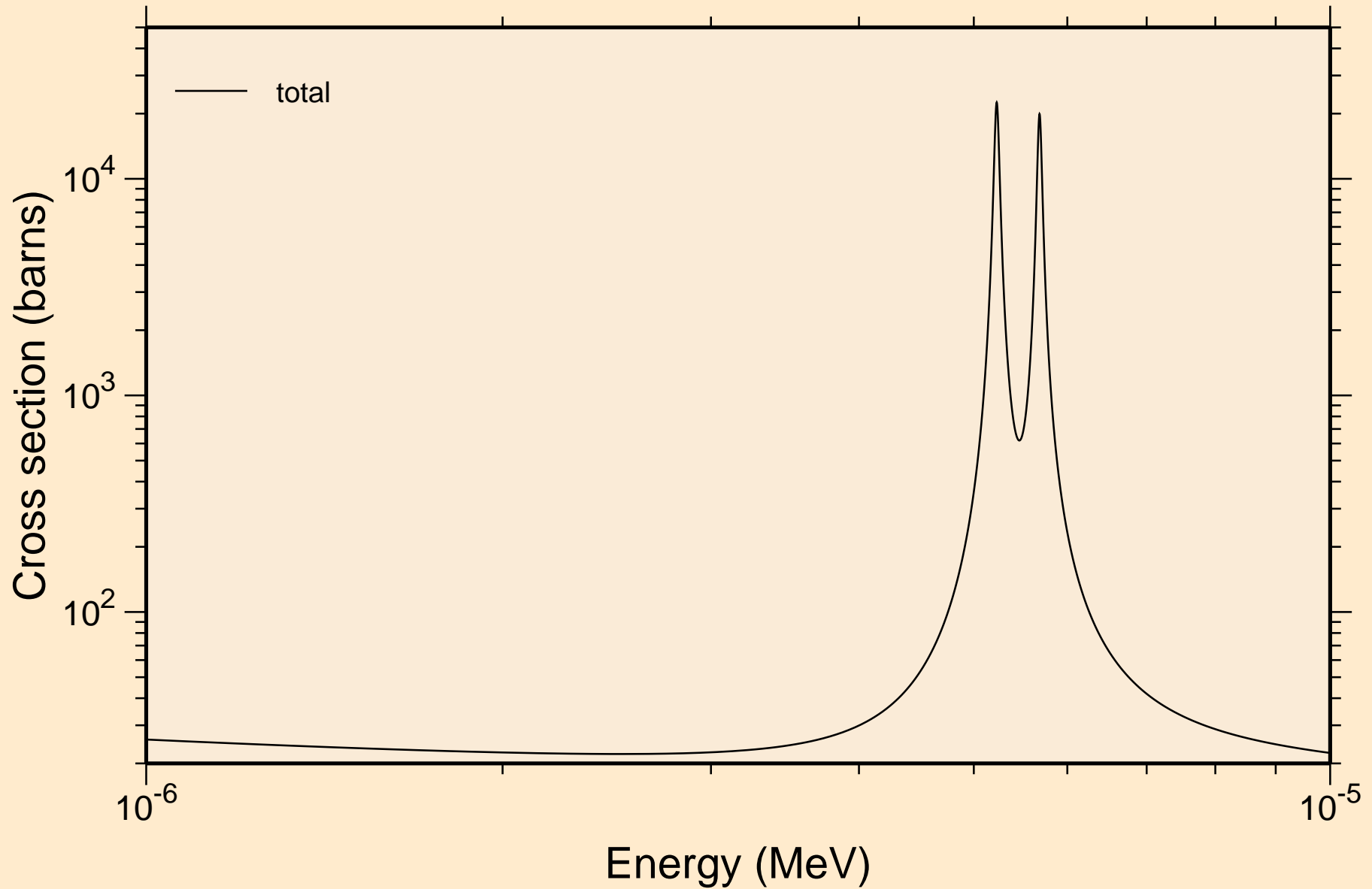


# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

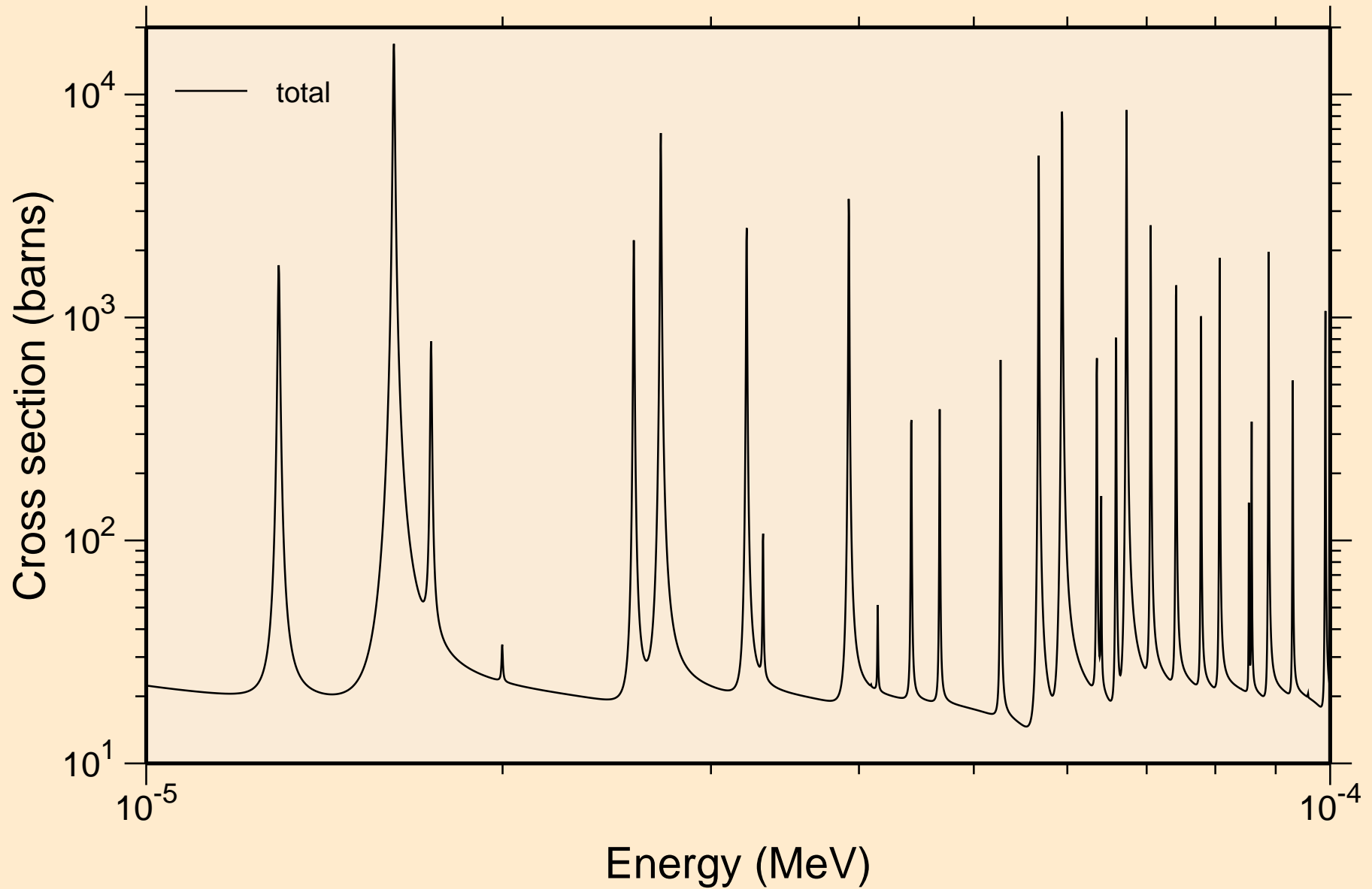
## Principal cross sections



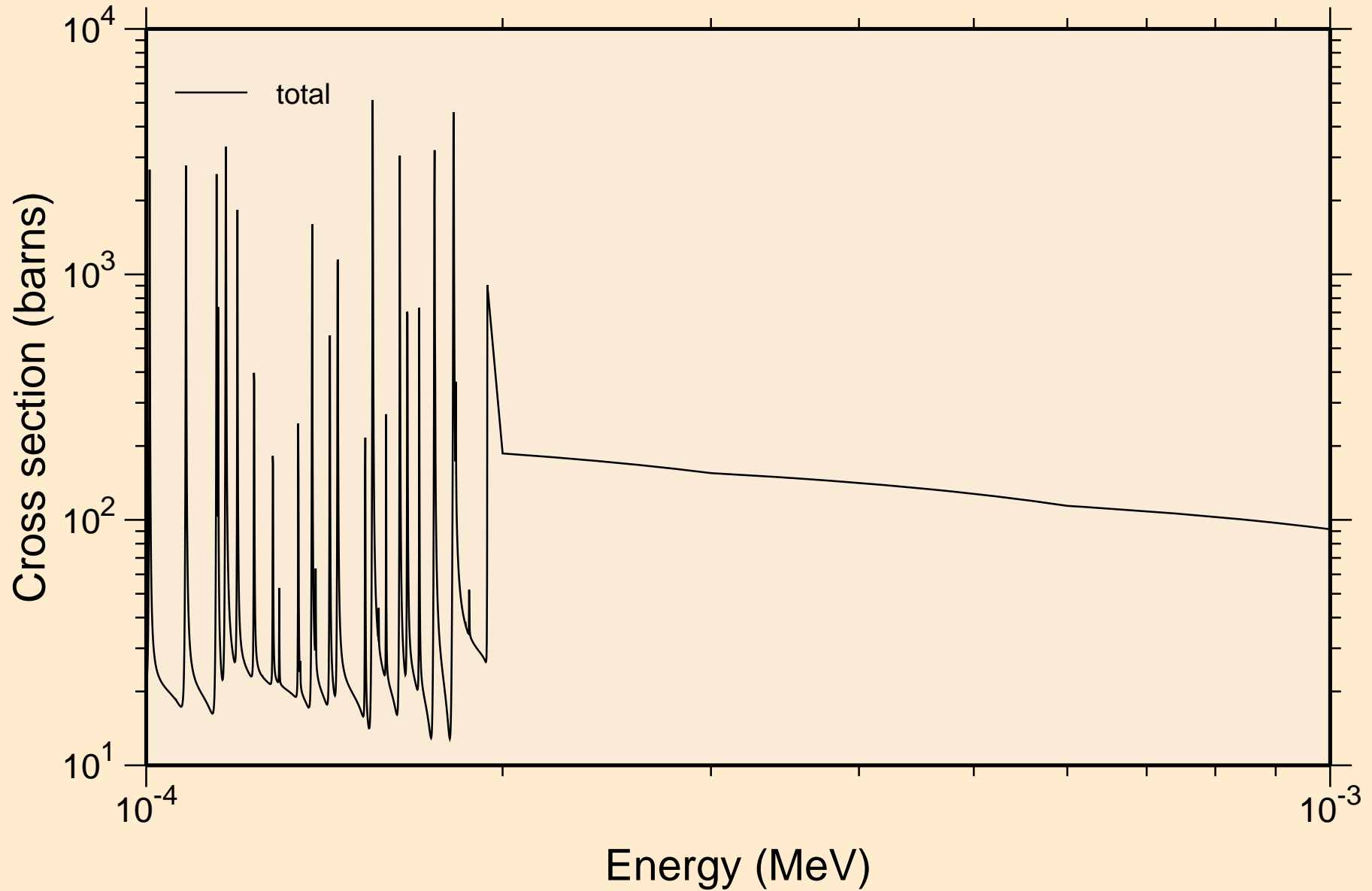
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



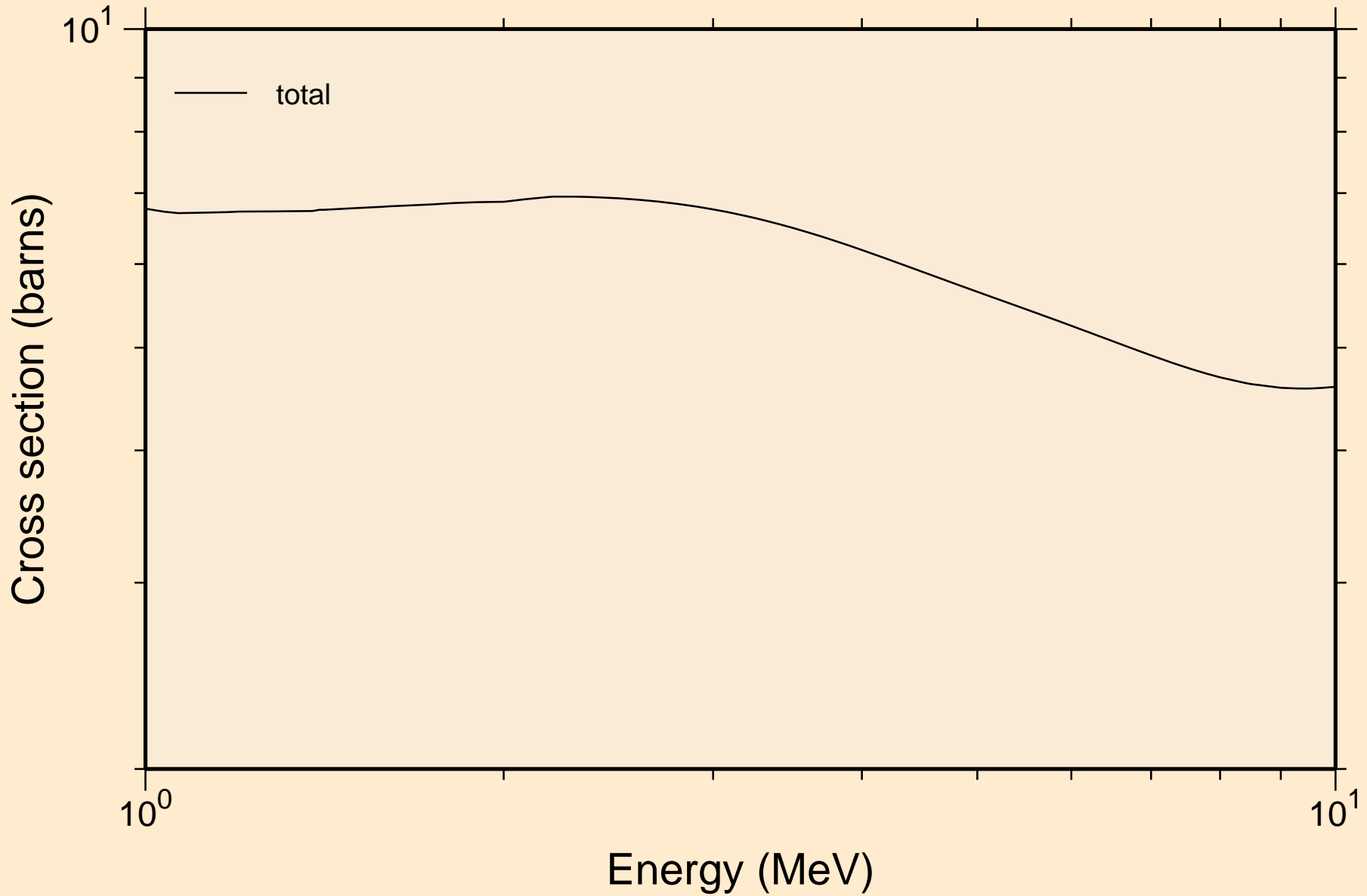
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



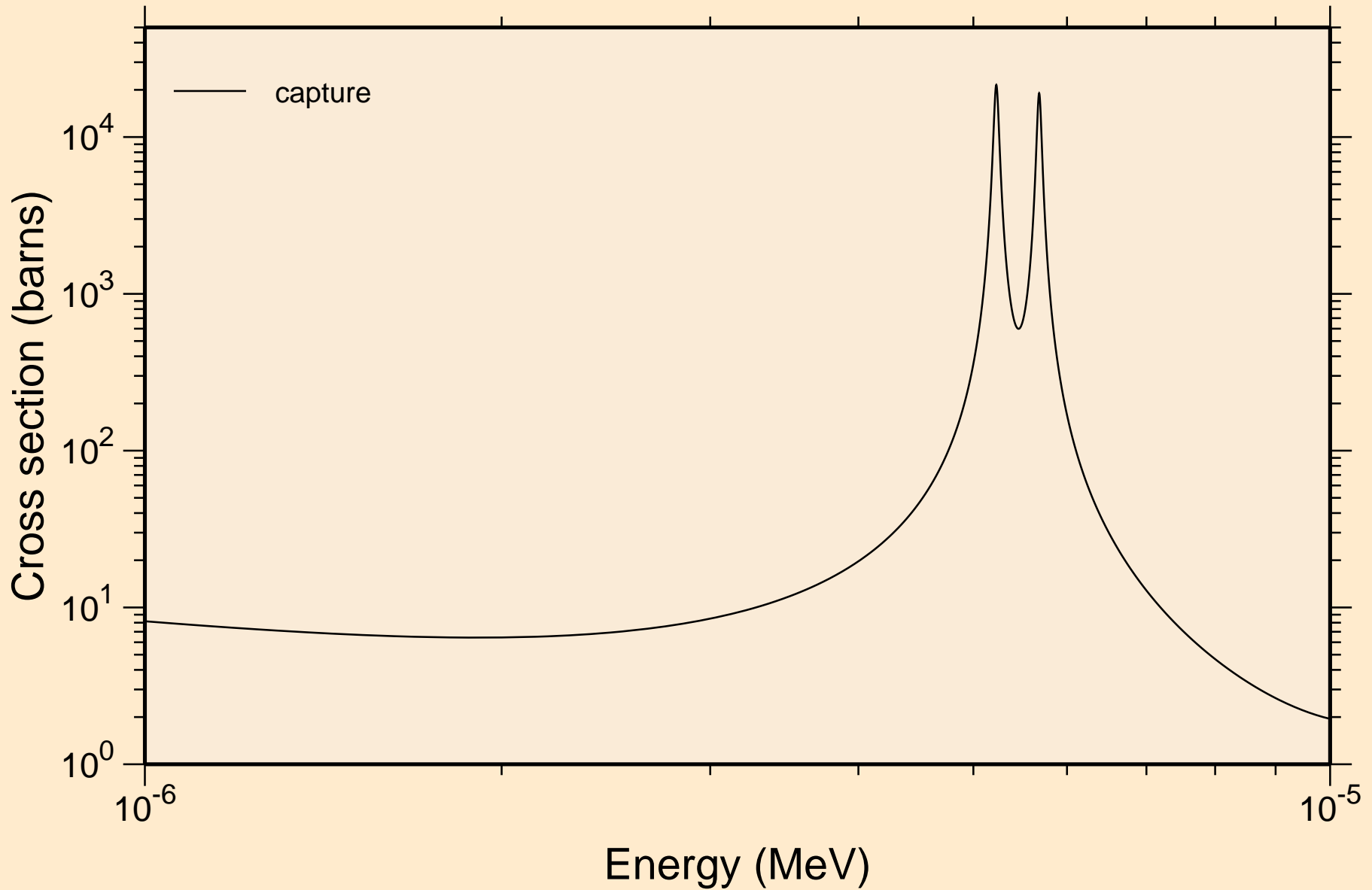
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resonance total cross section



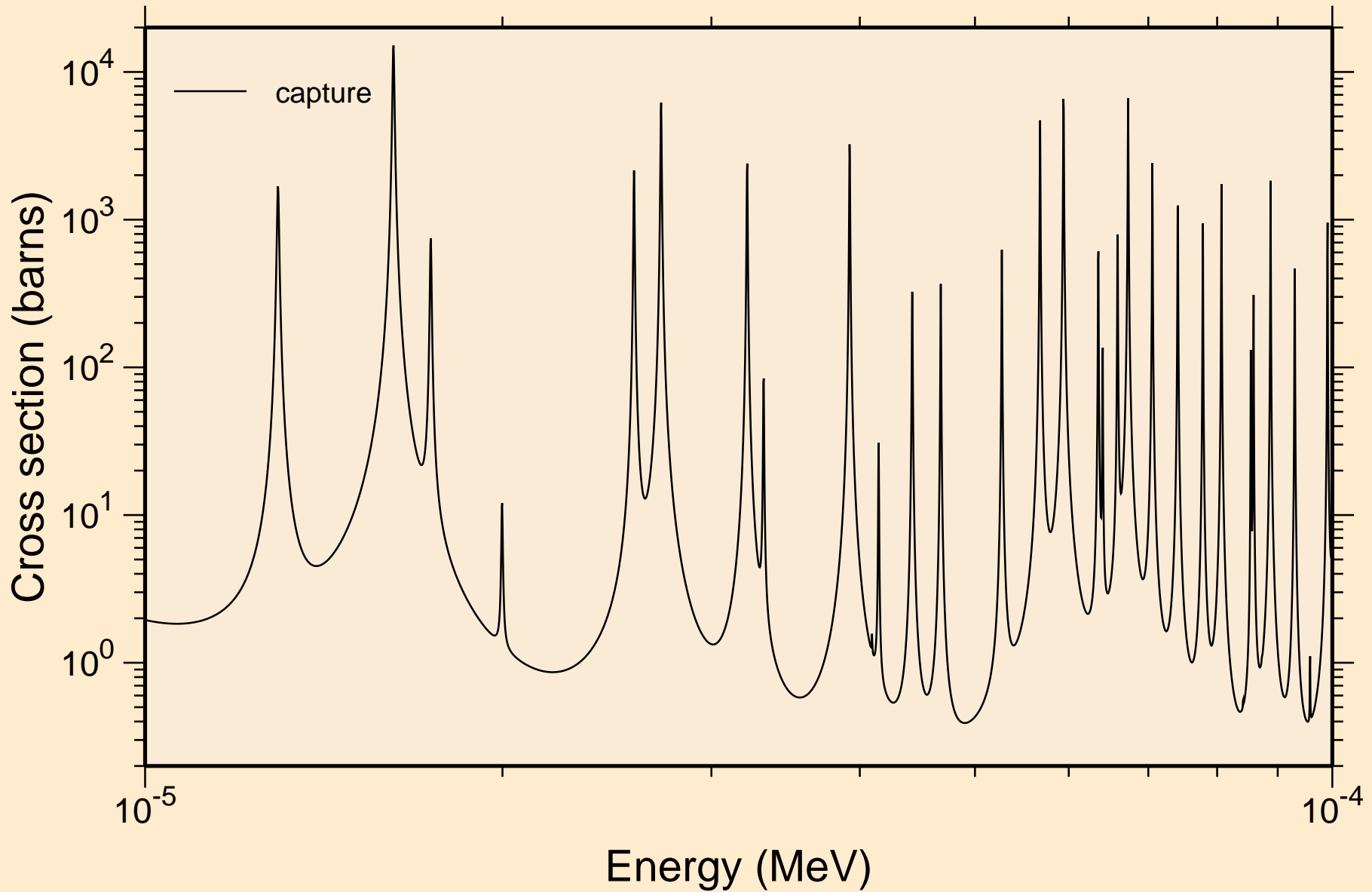
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



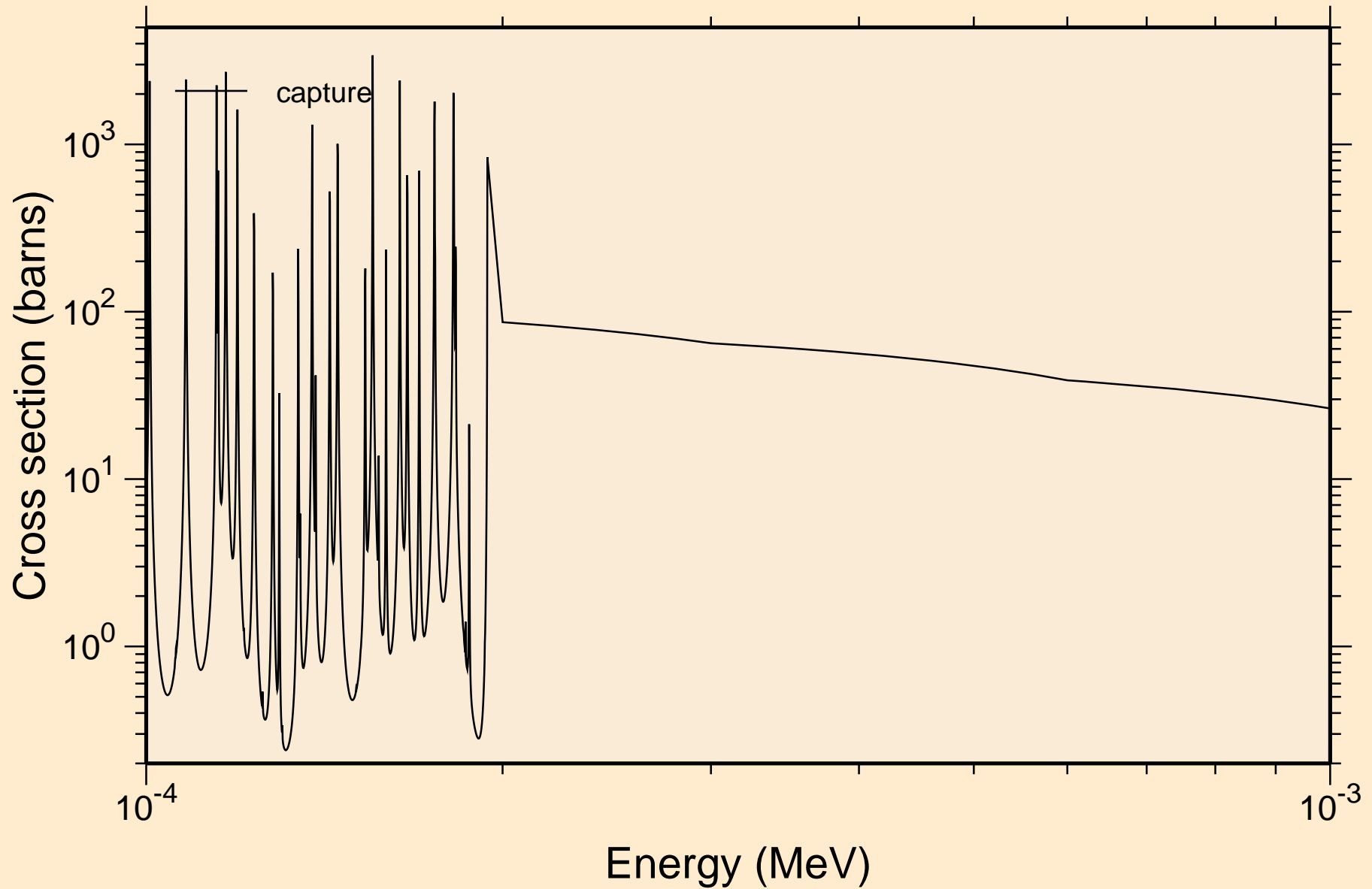
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

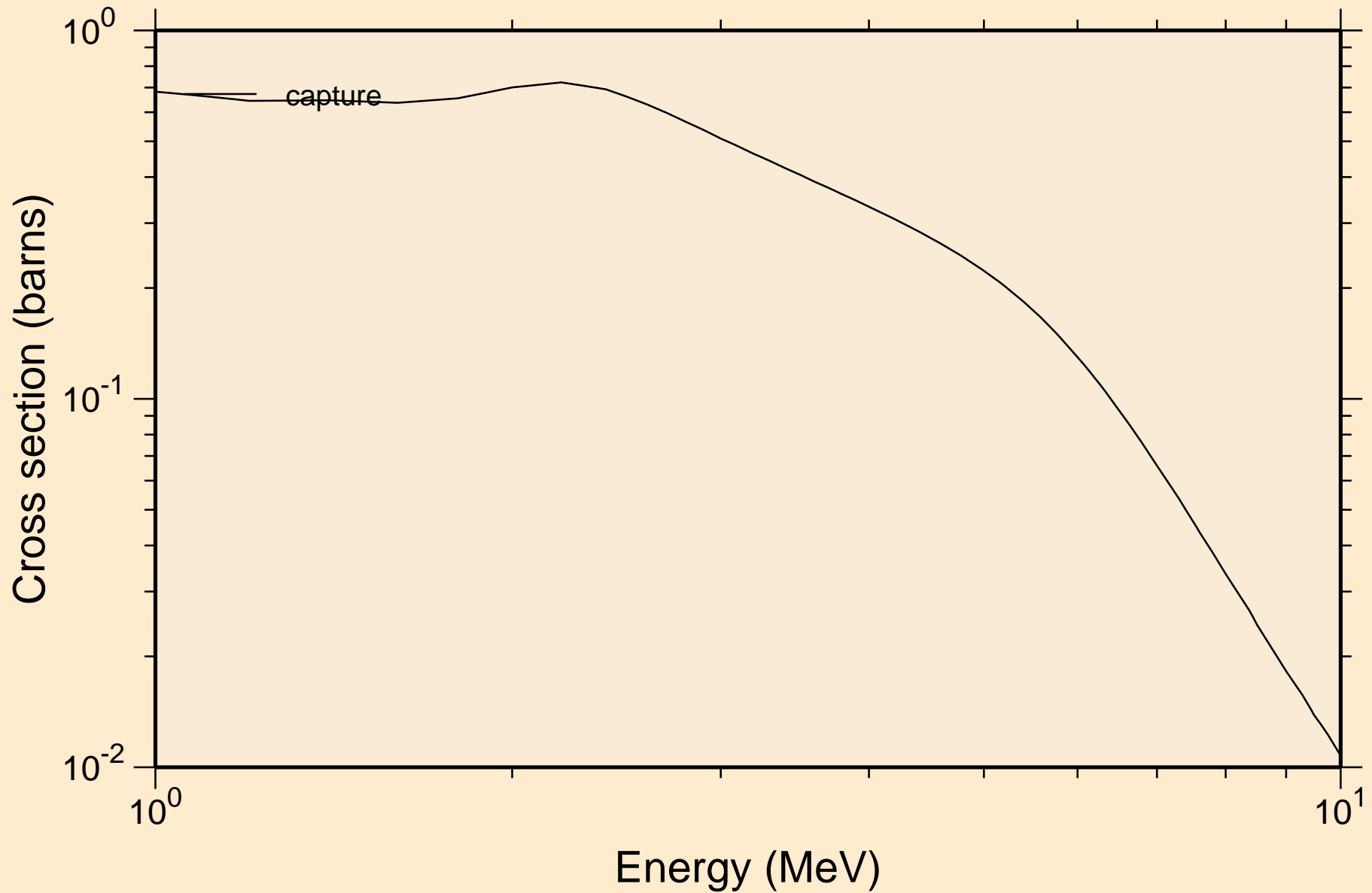


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



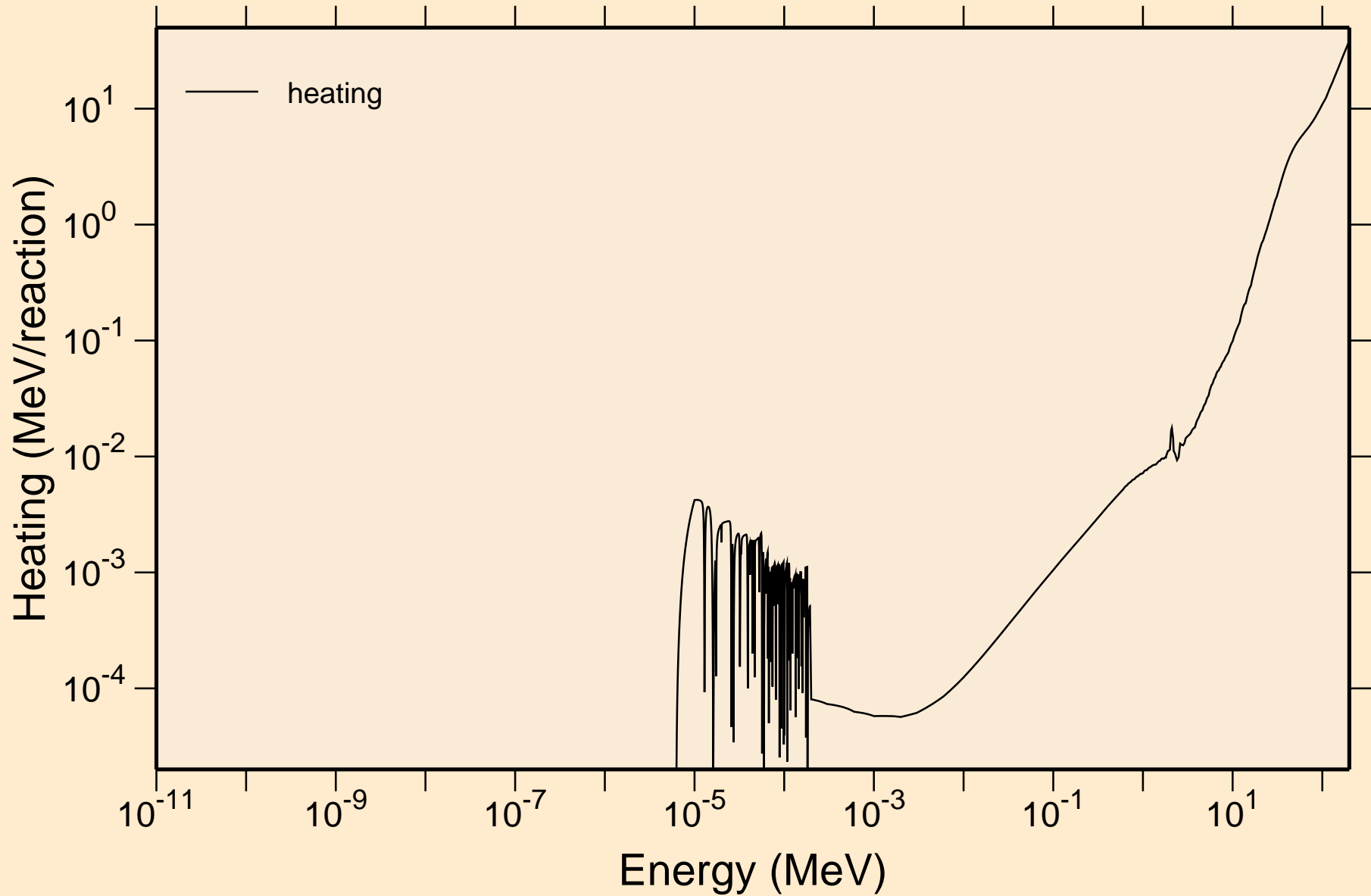


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



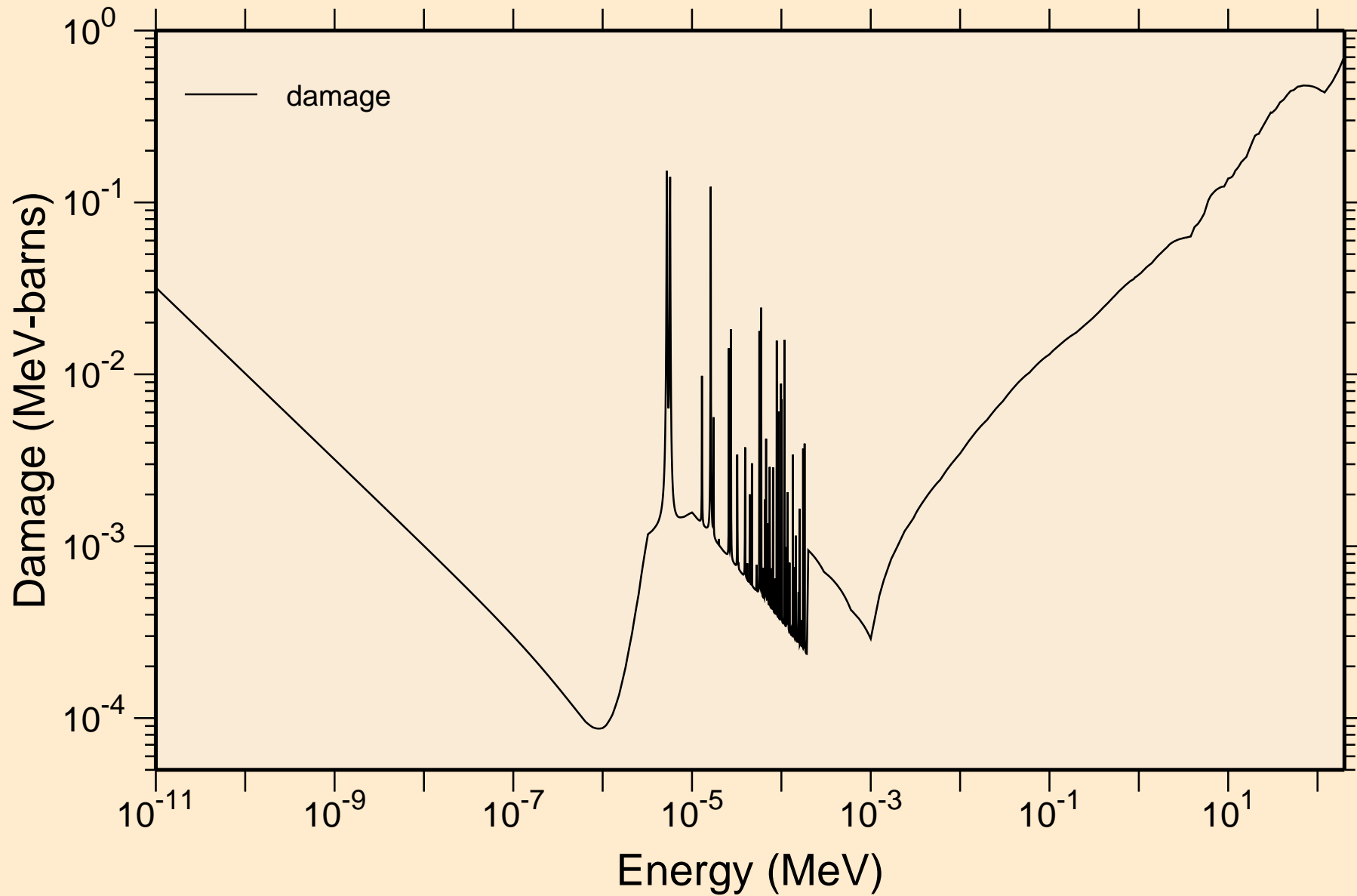
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



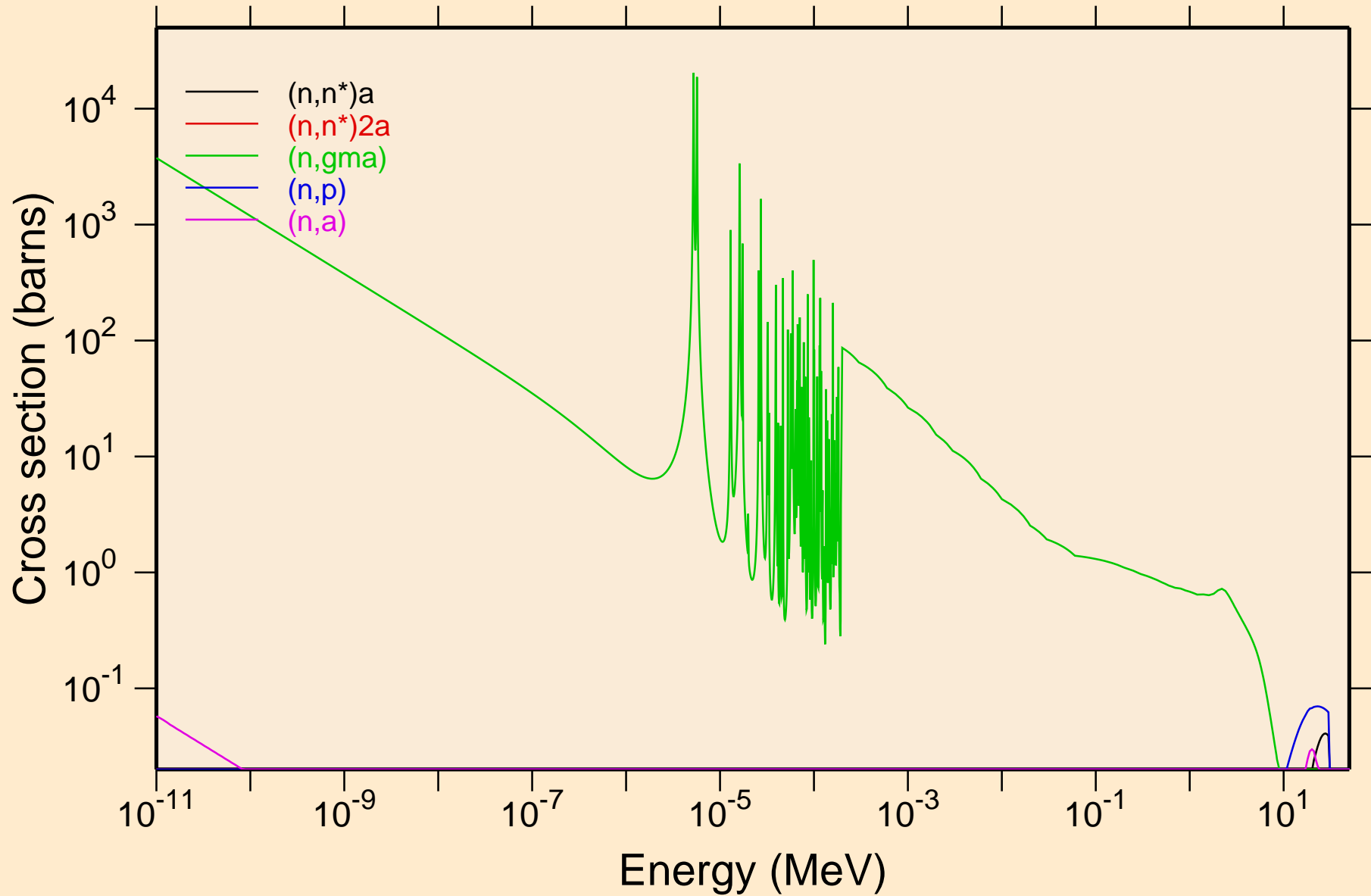
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



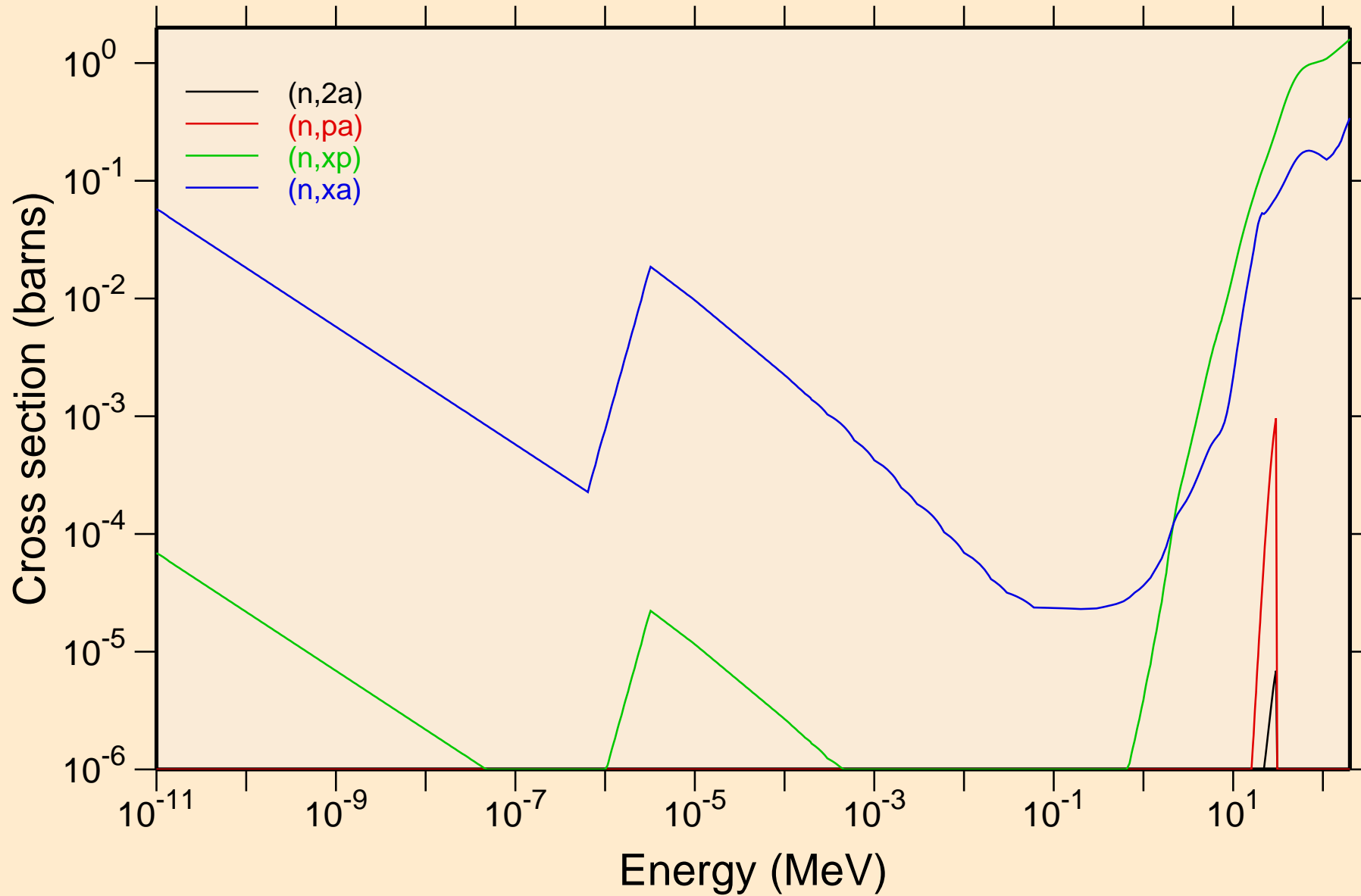
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



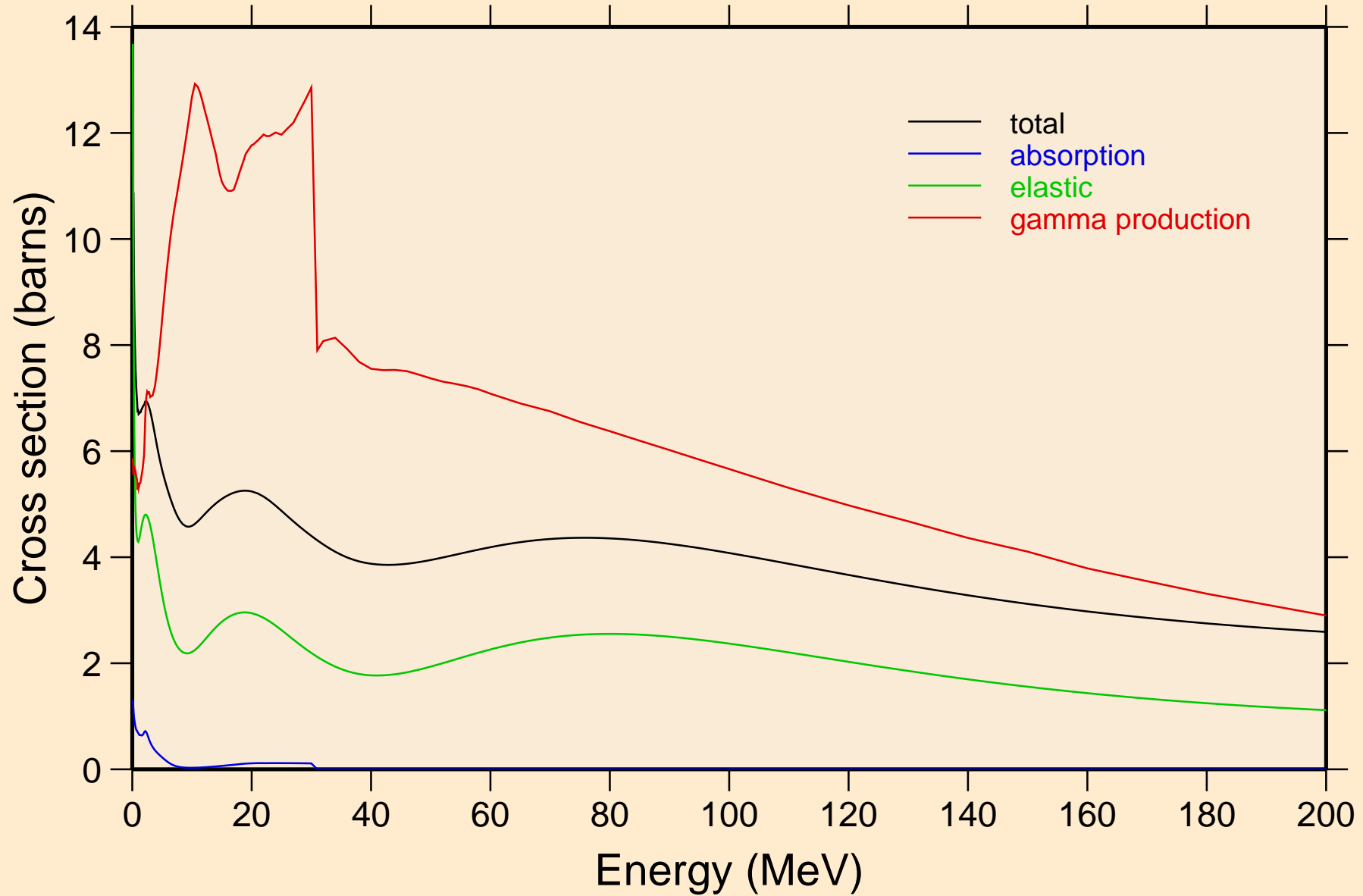
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



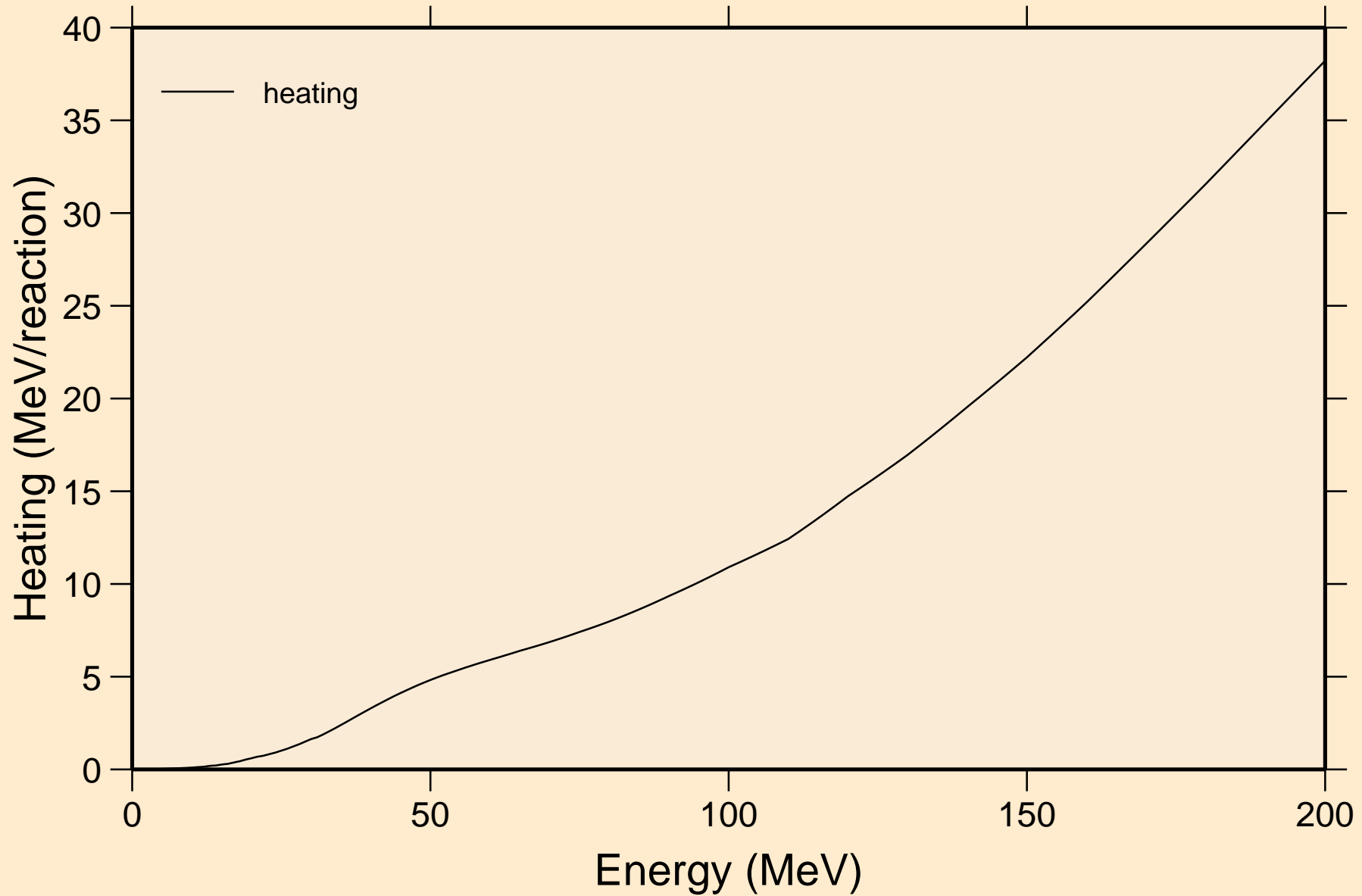
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



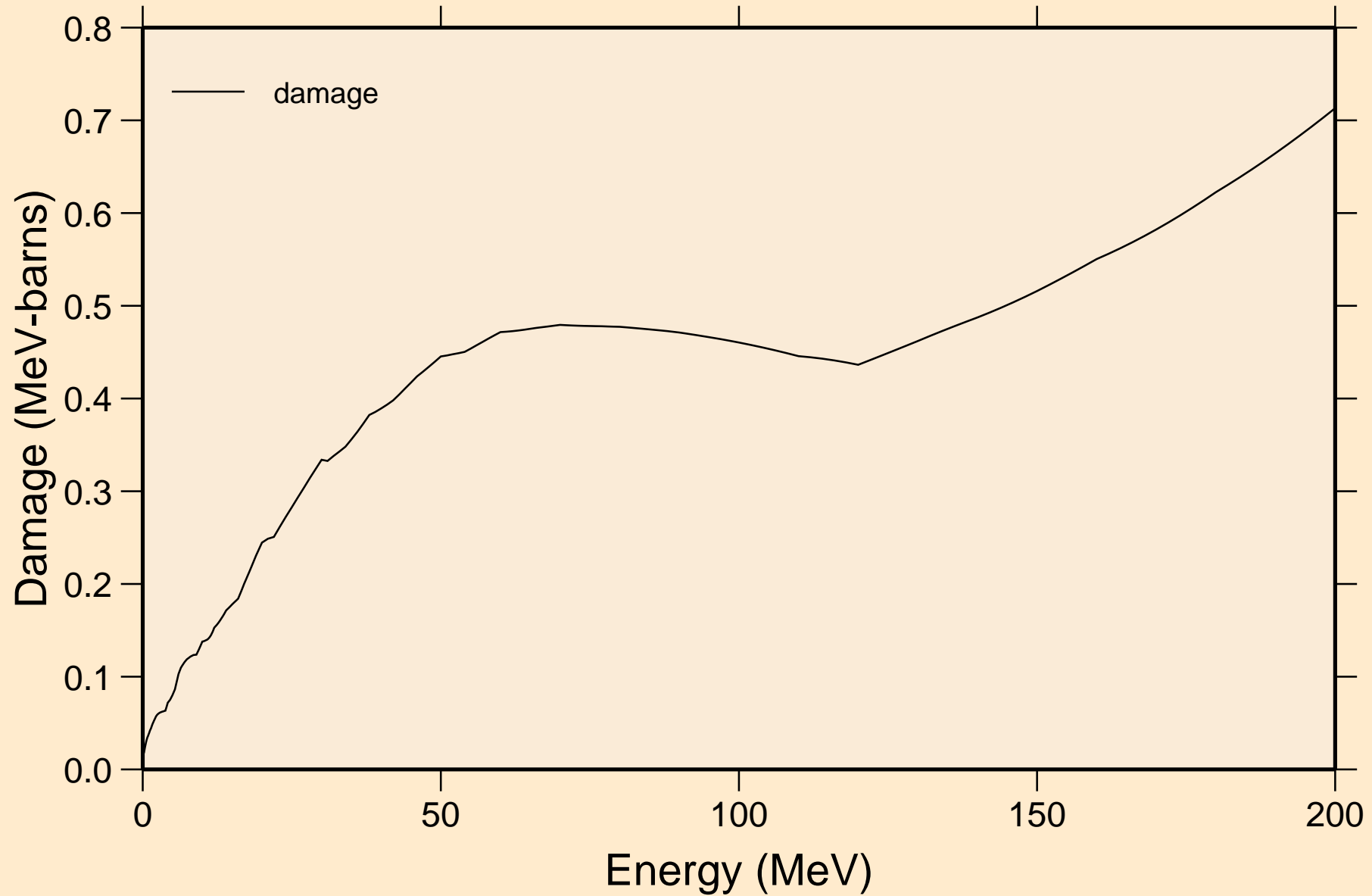
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

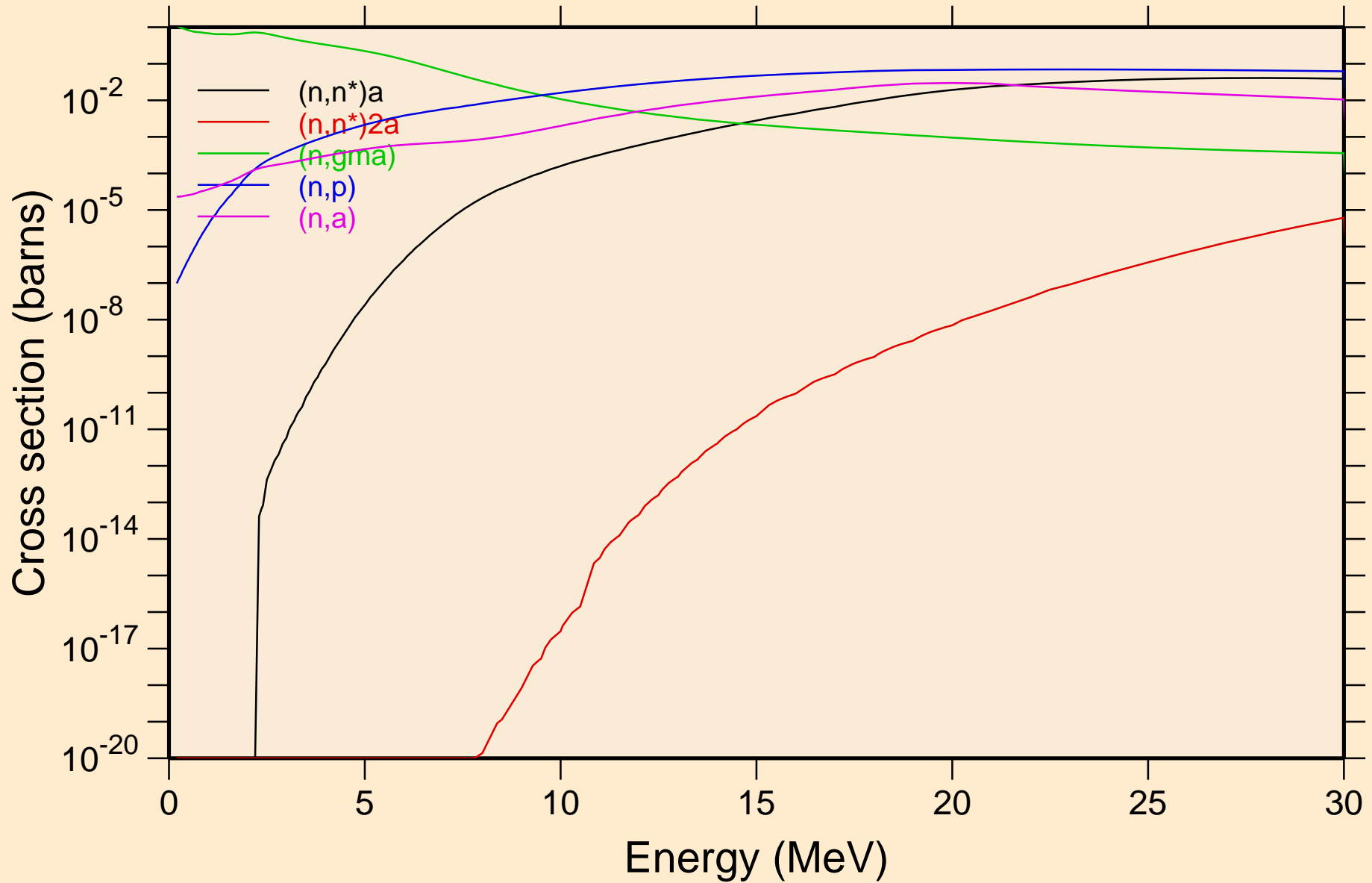
## Damage





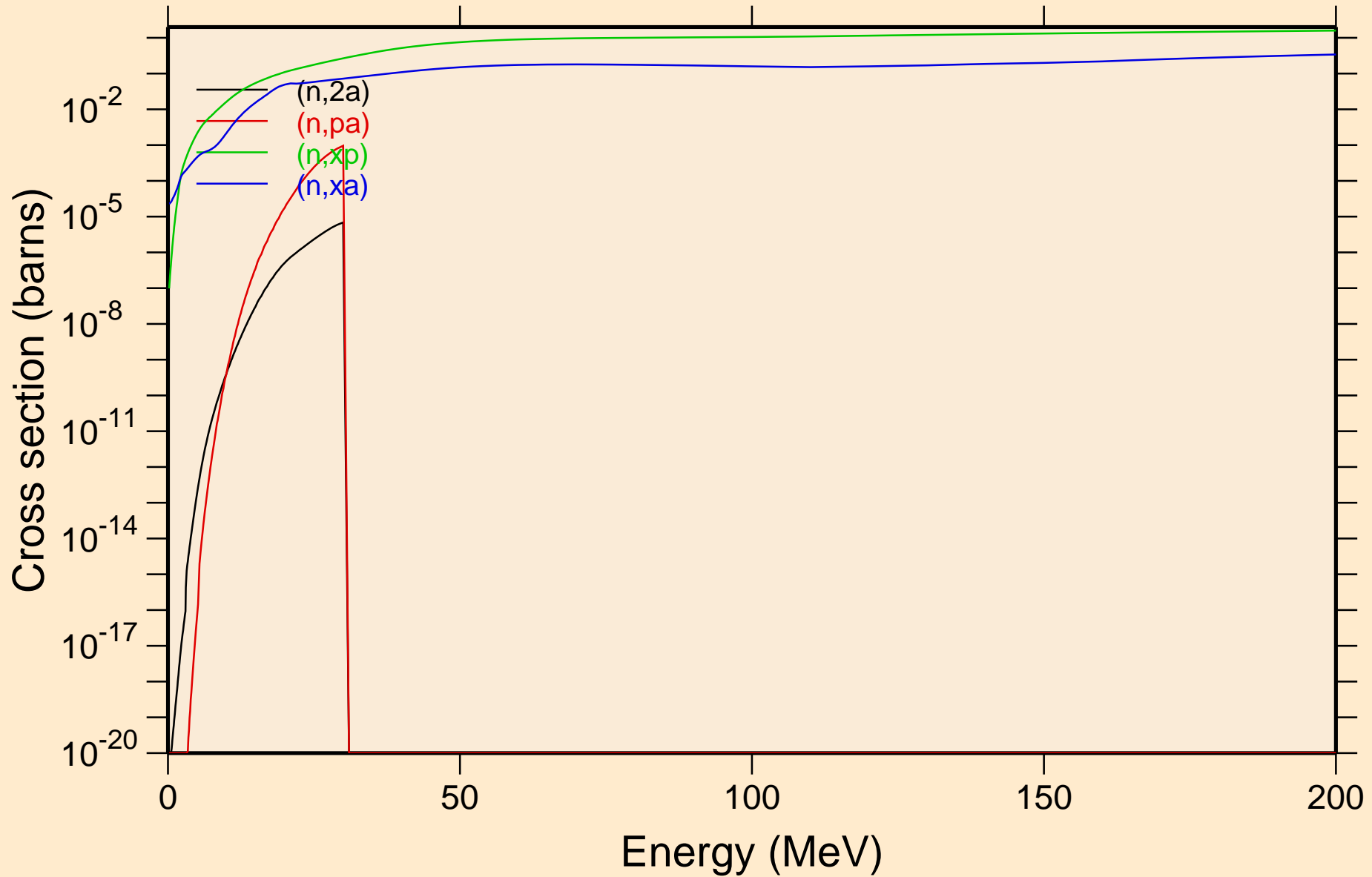
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



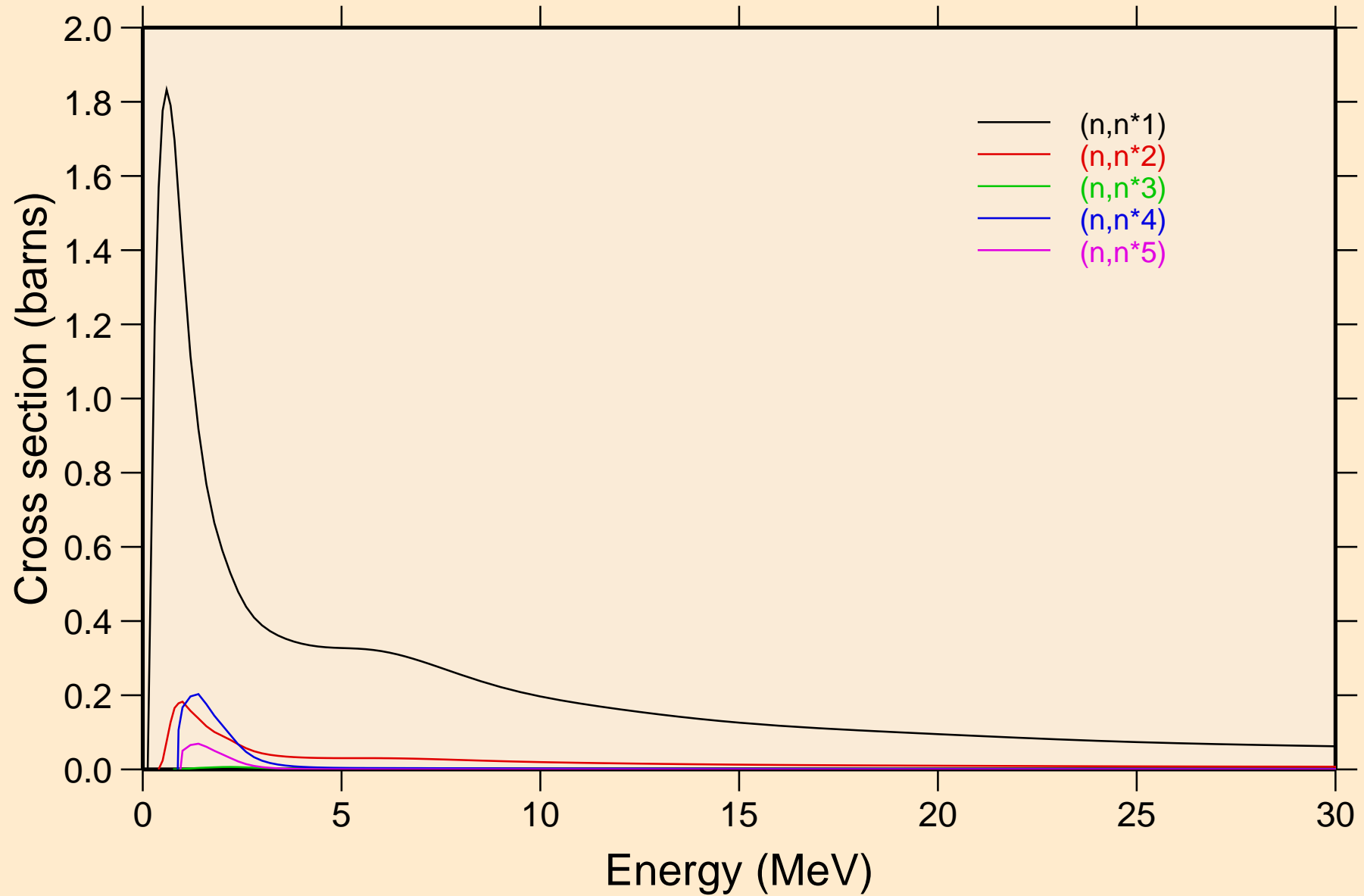
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



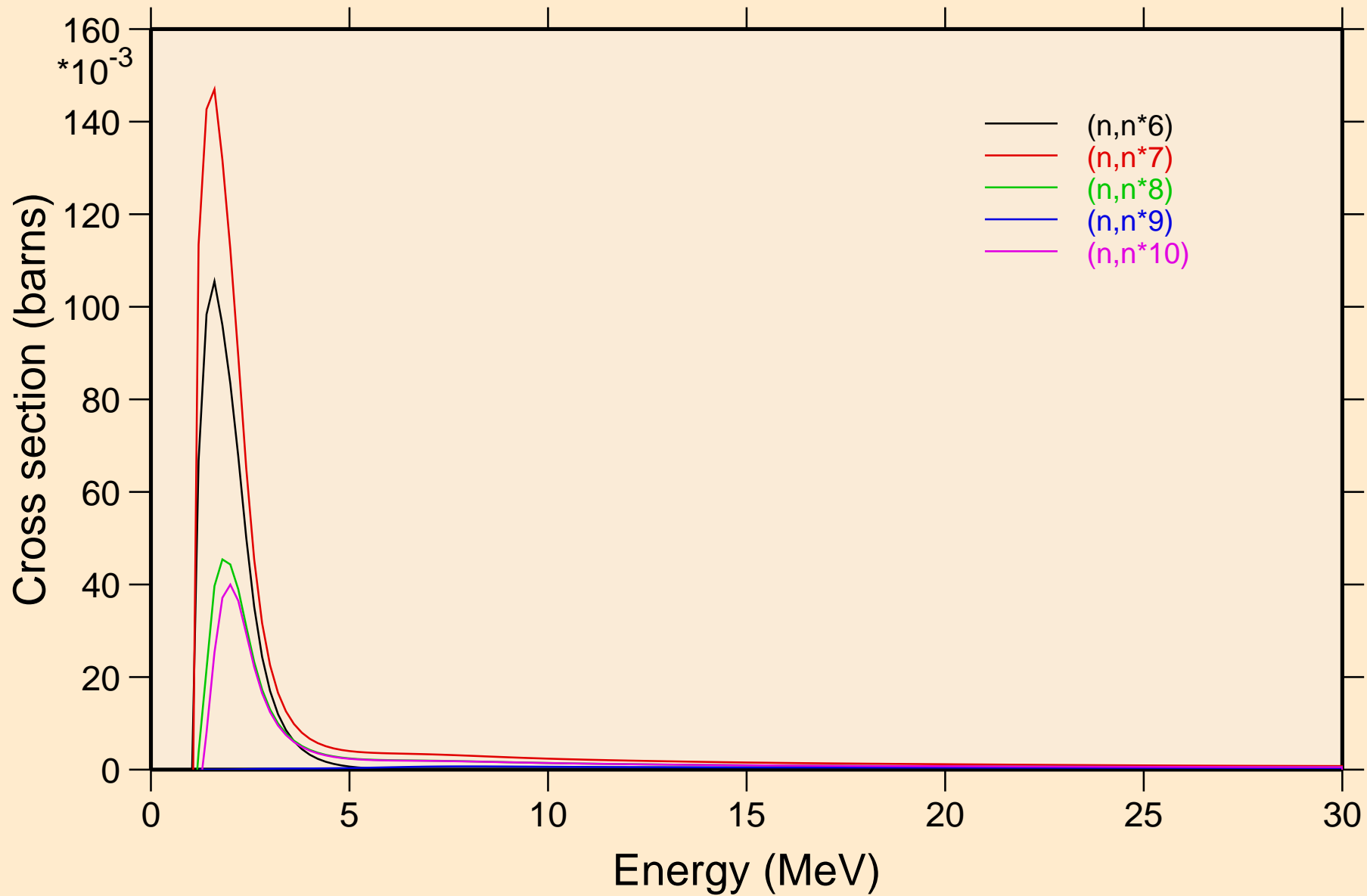
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



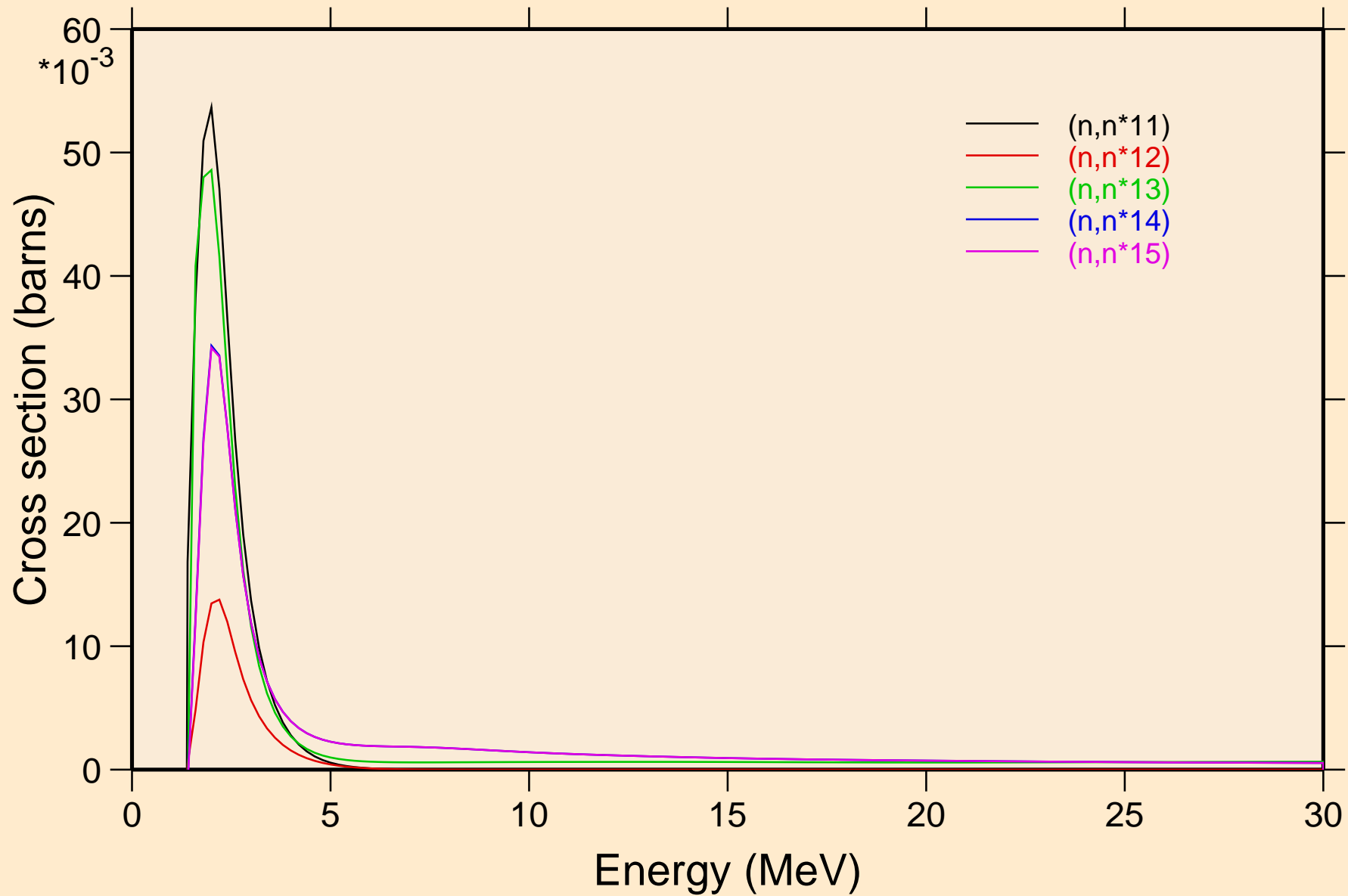
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

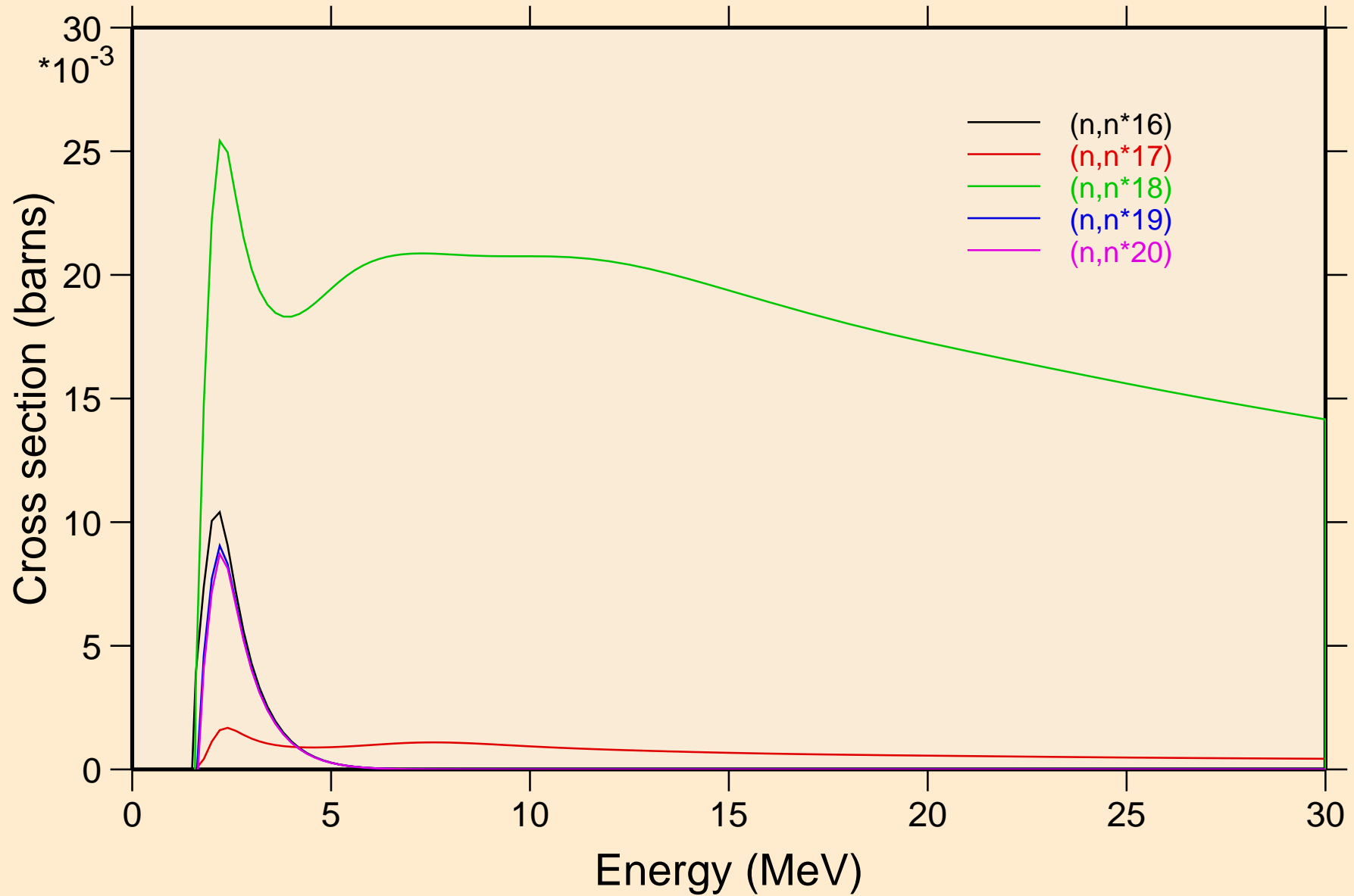


# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

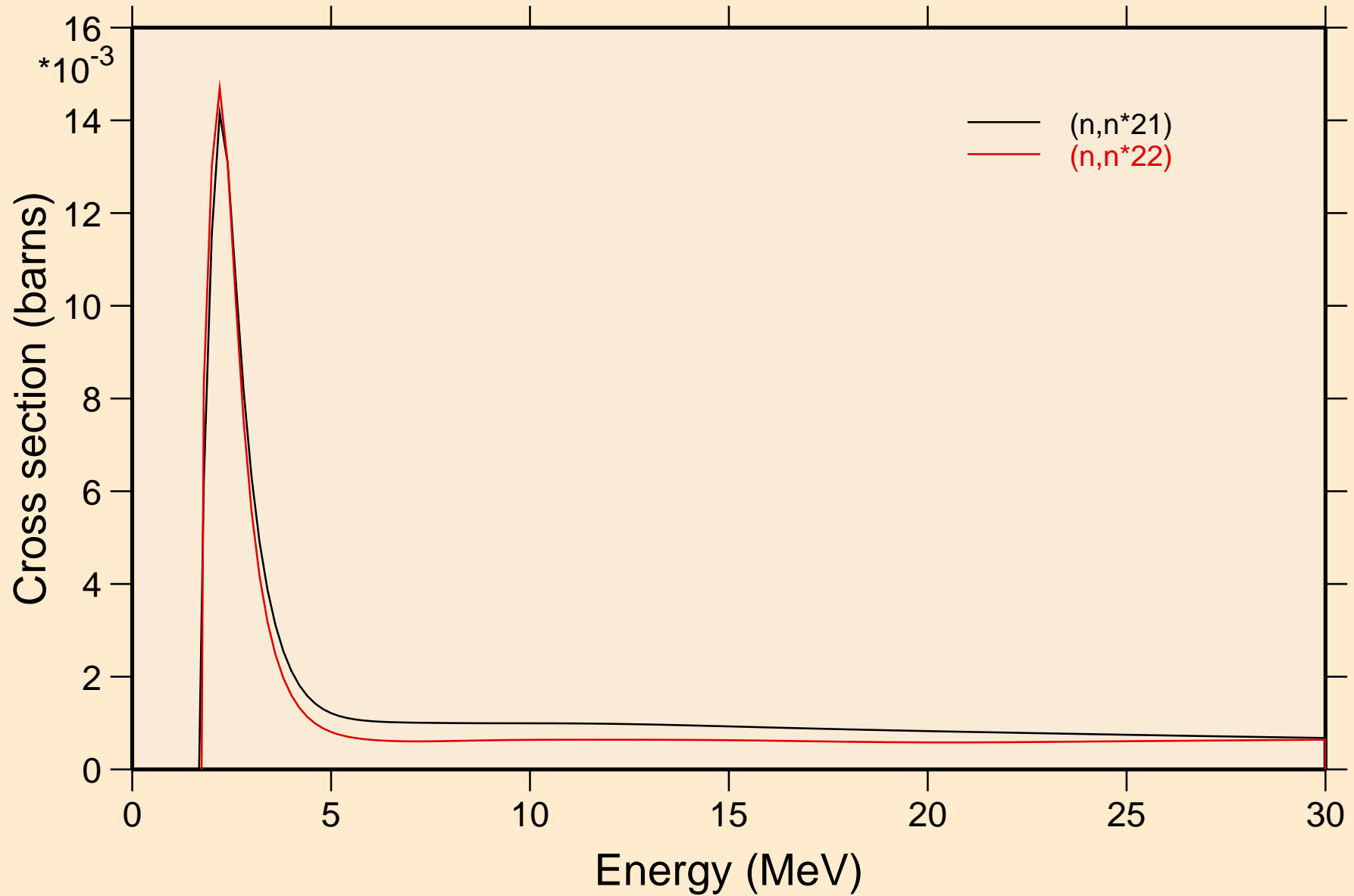
## Inelastic levels



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

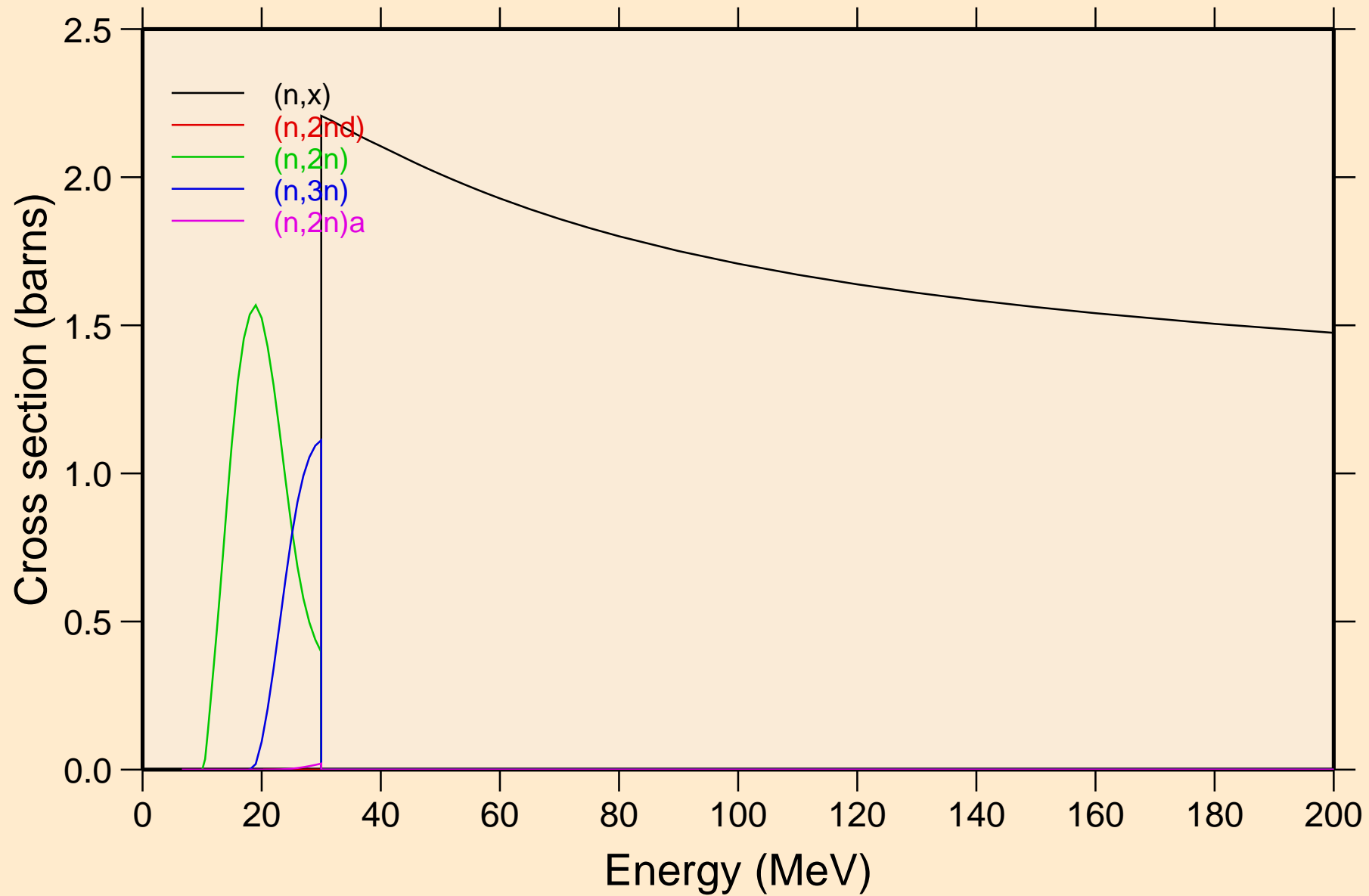


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

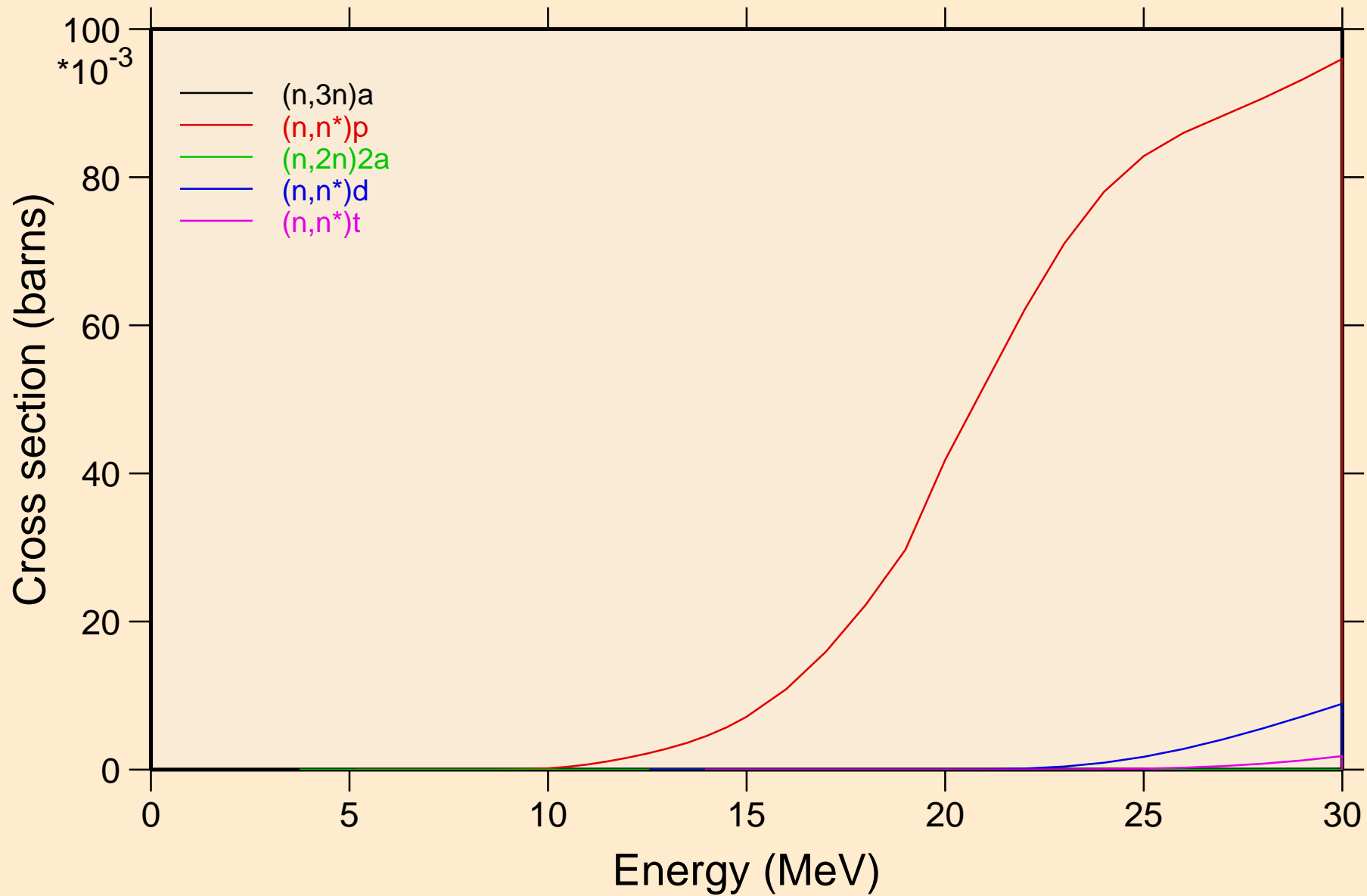
## Threshold reactions





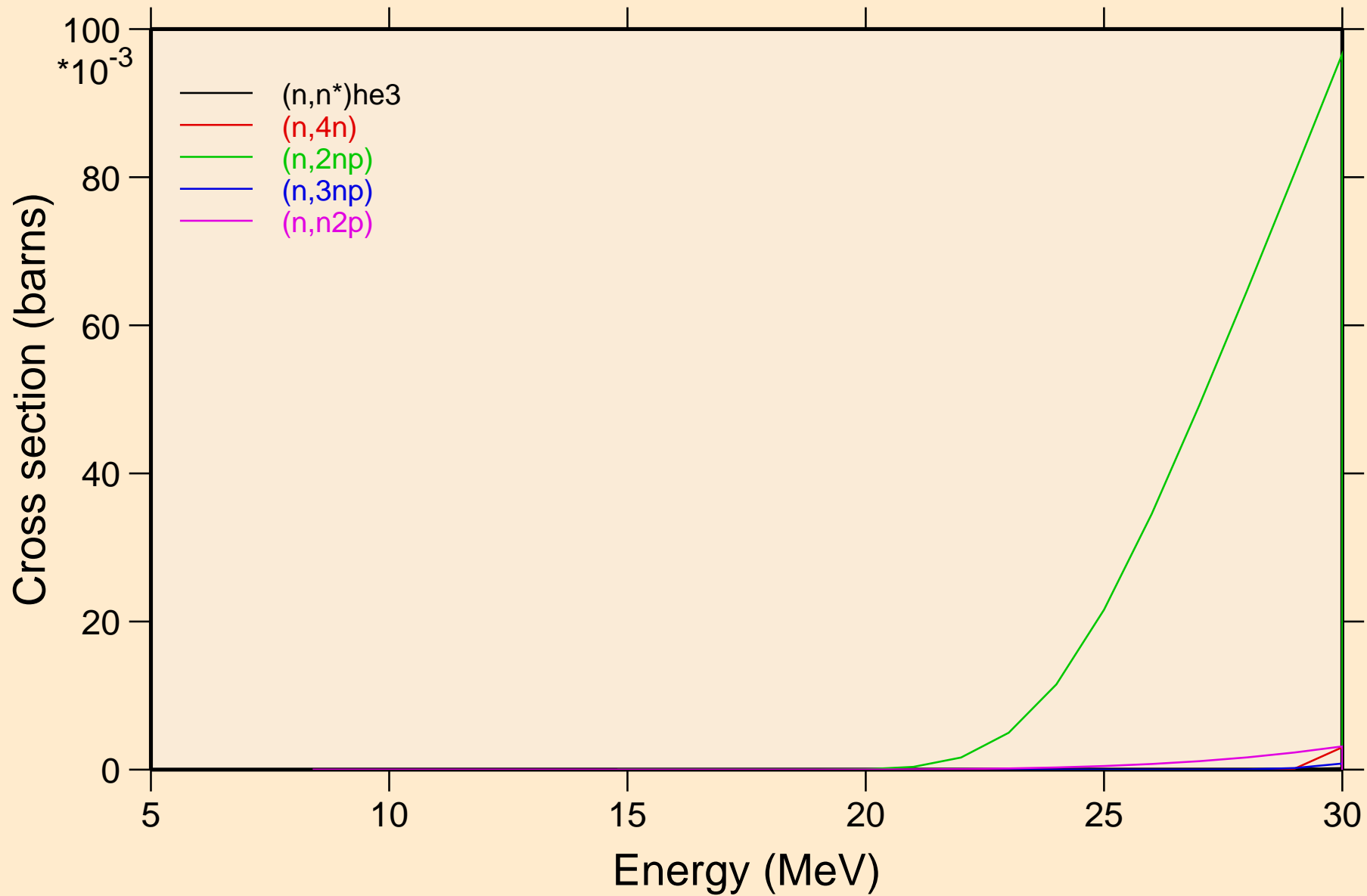
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



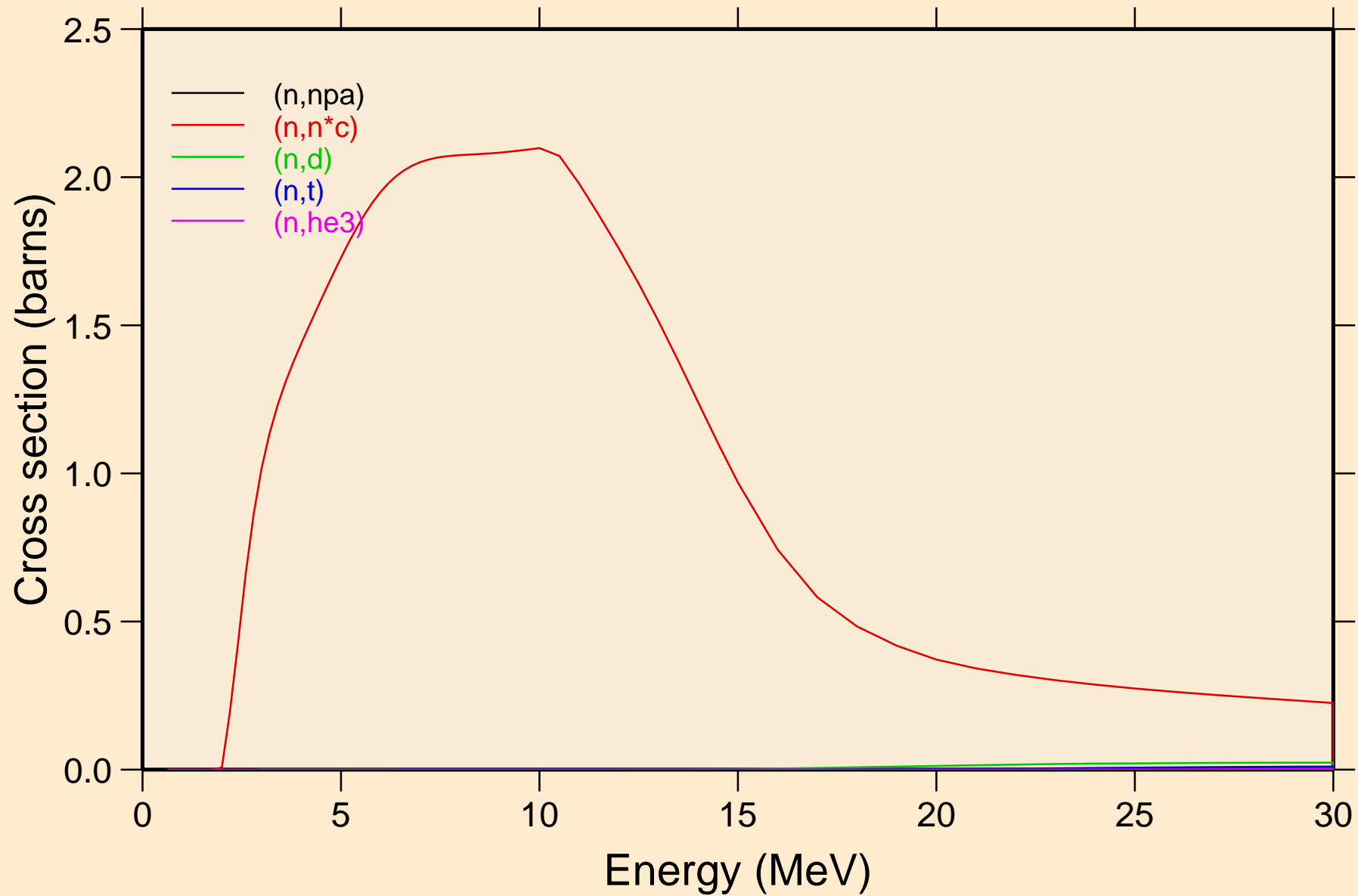
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



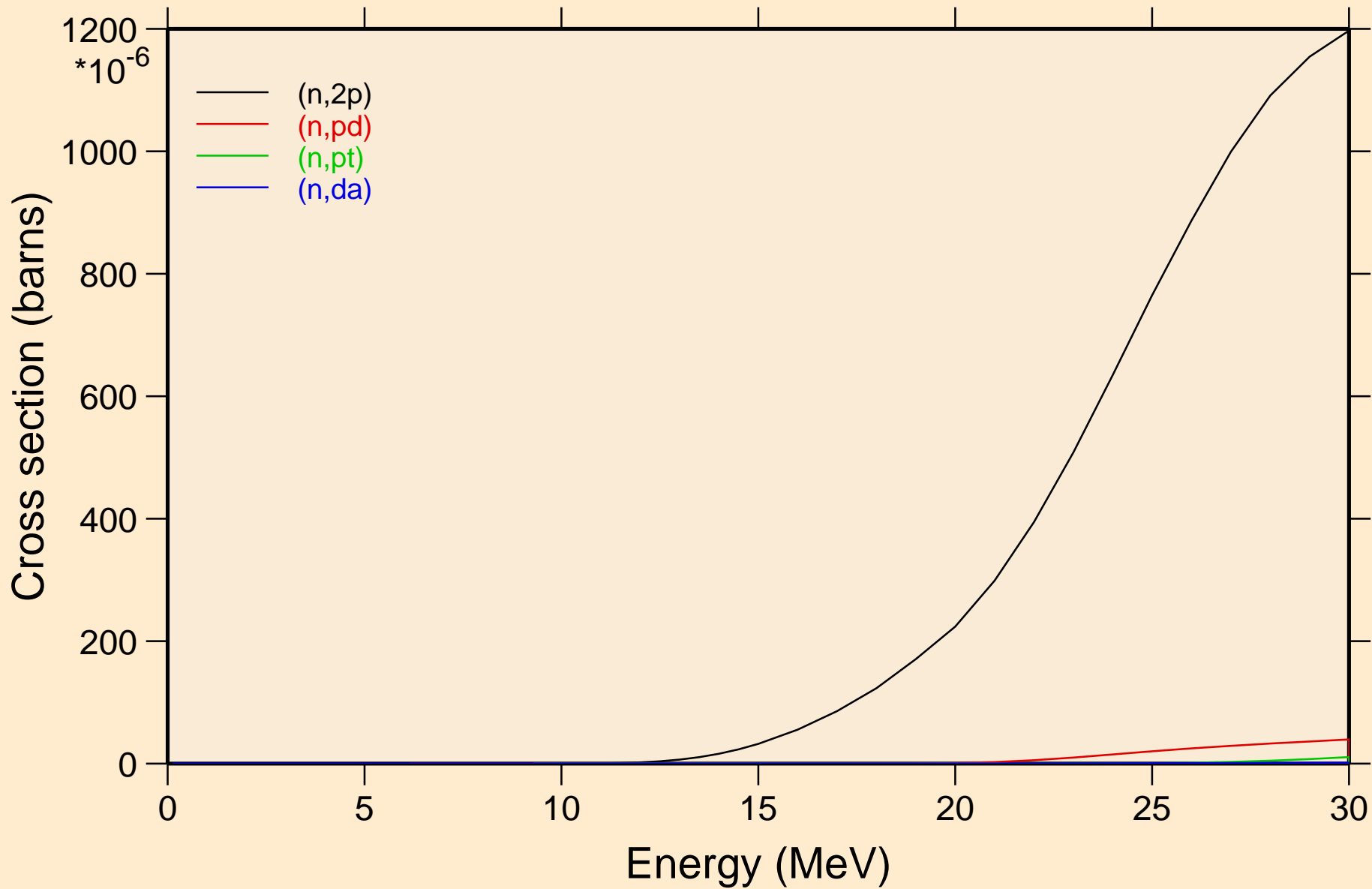
# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



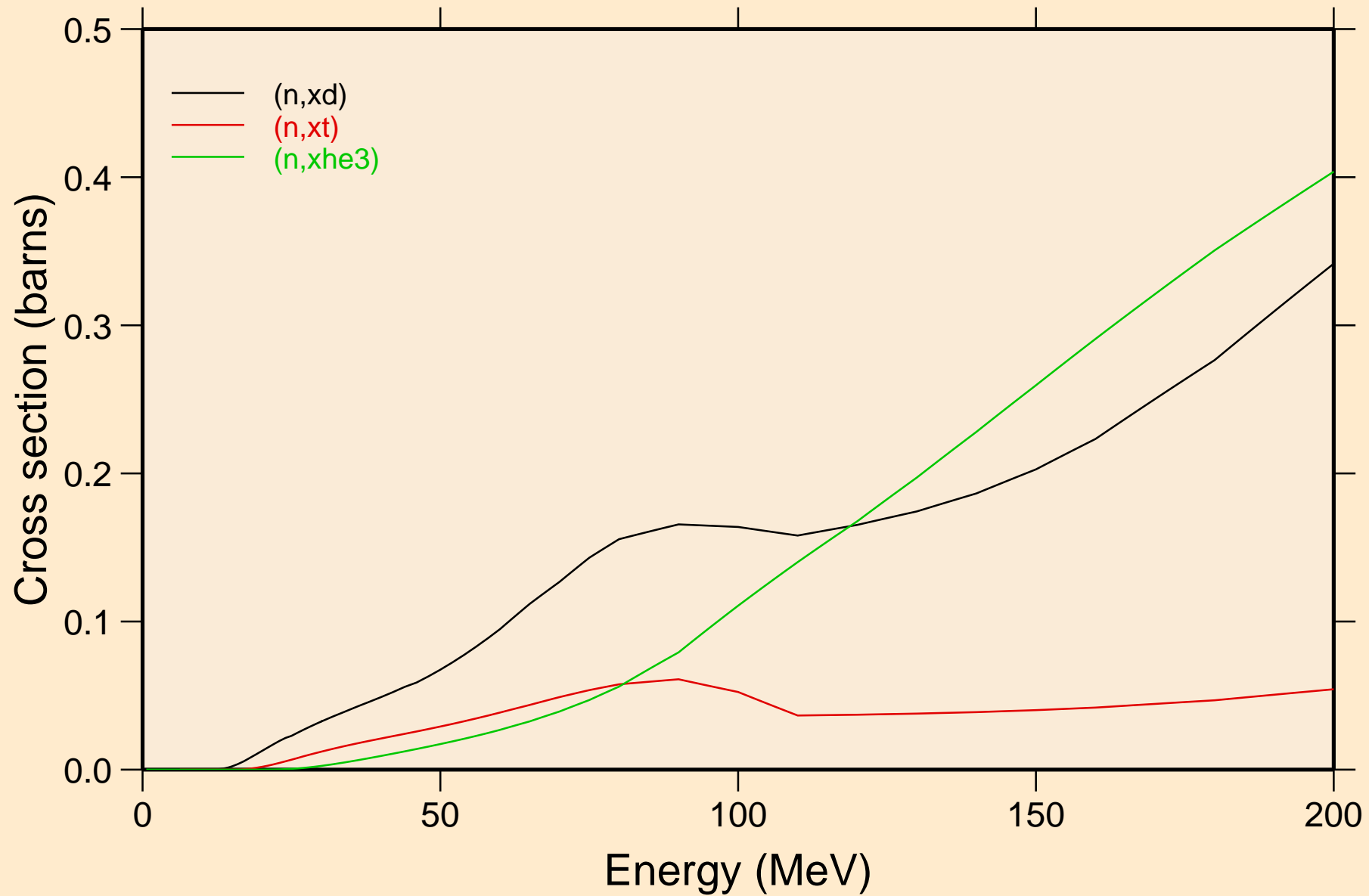
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## Threshold reactions

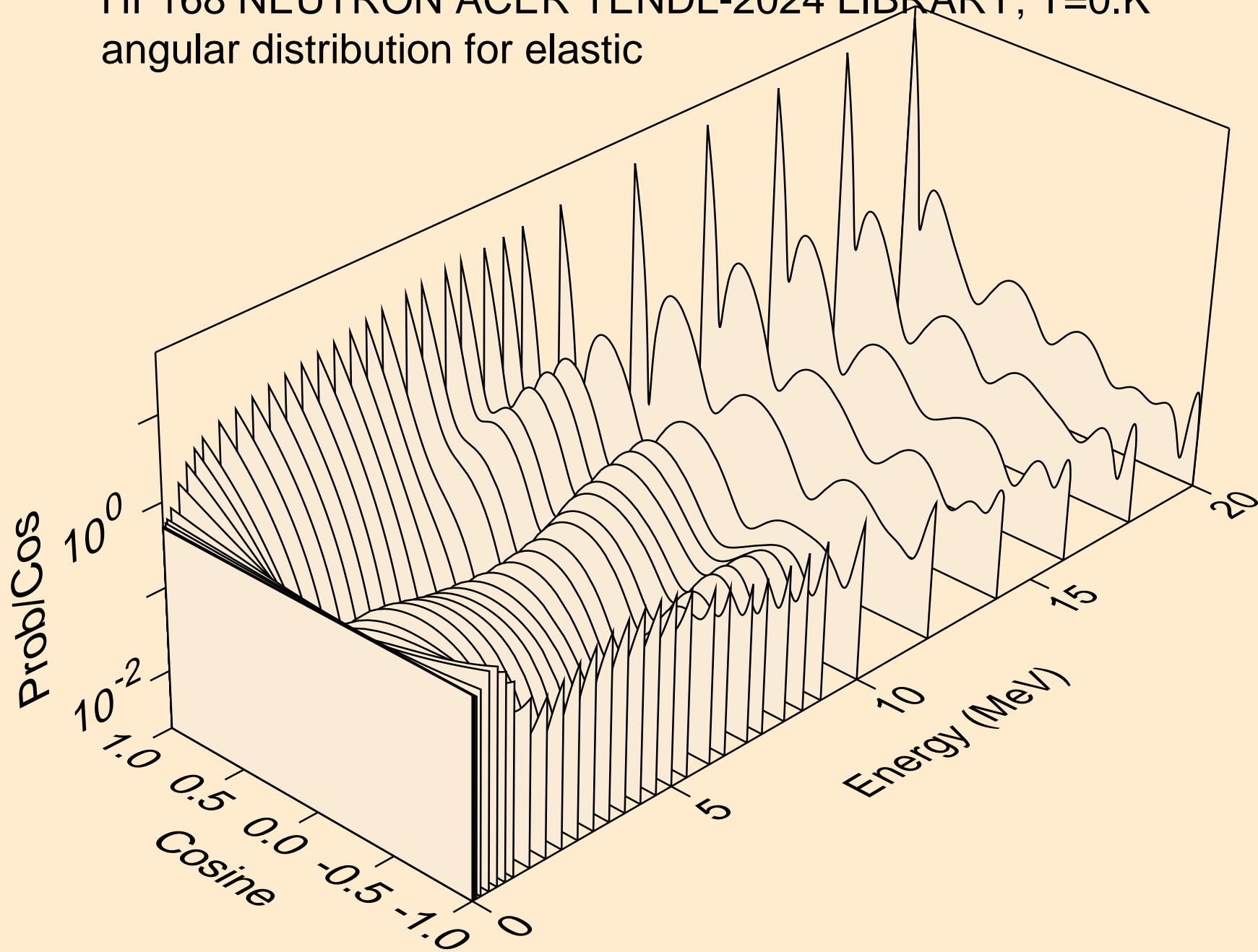


# HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

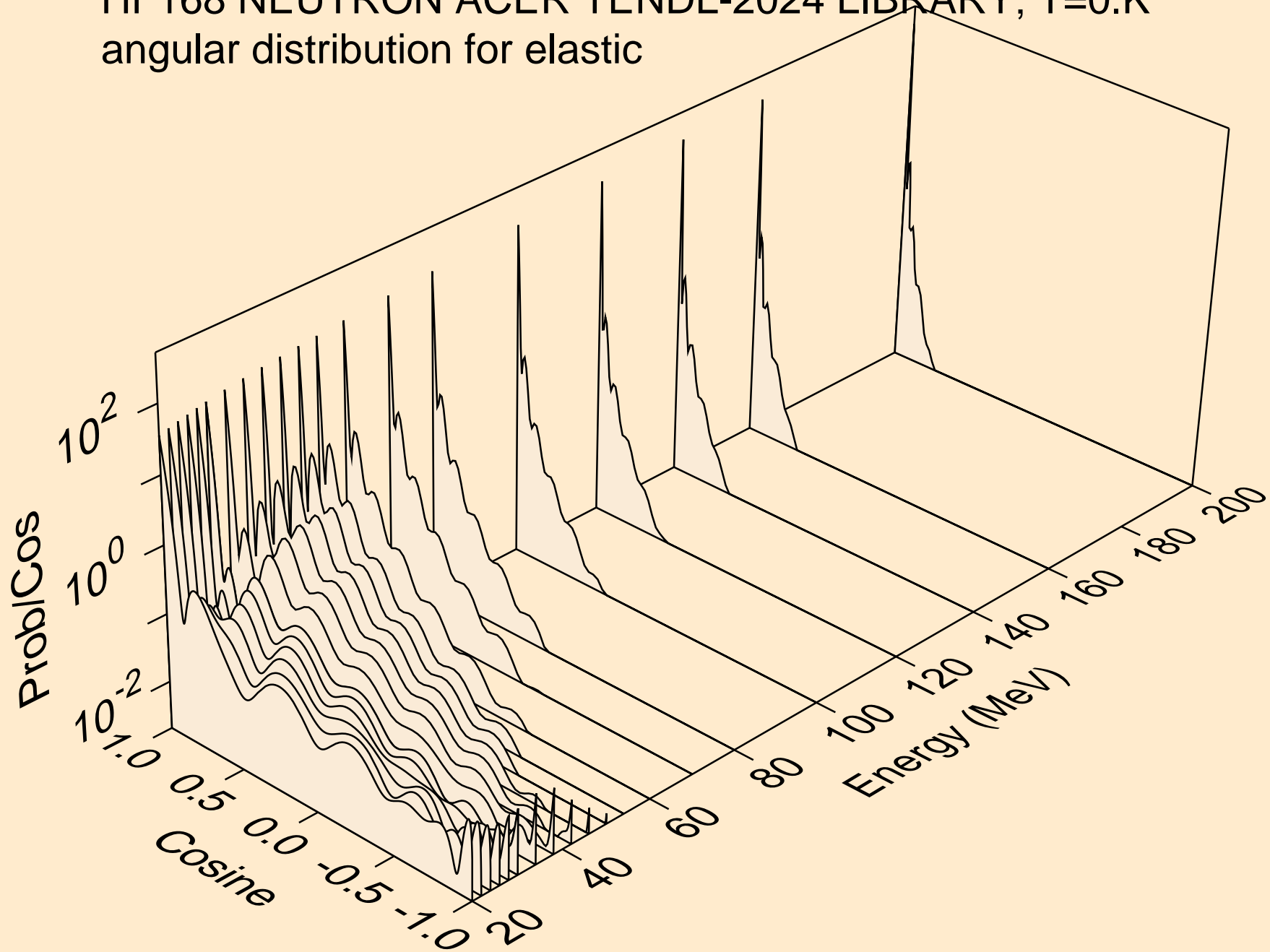
## Threshold reactions



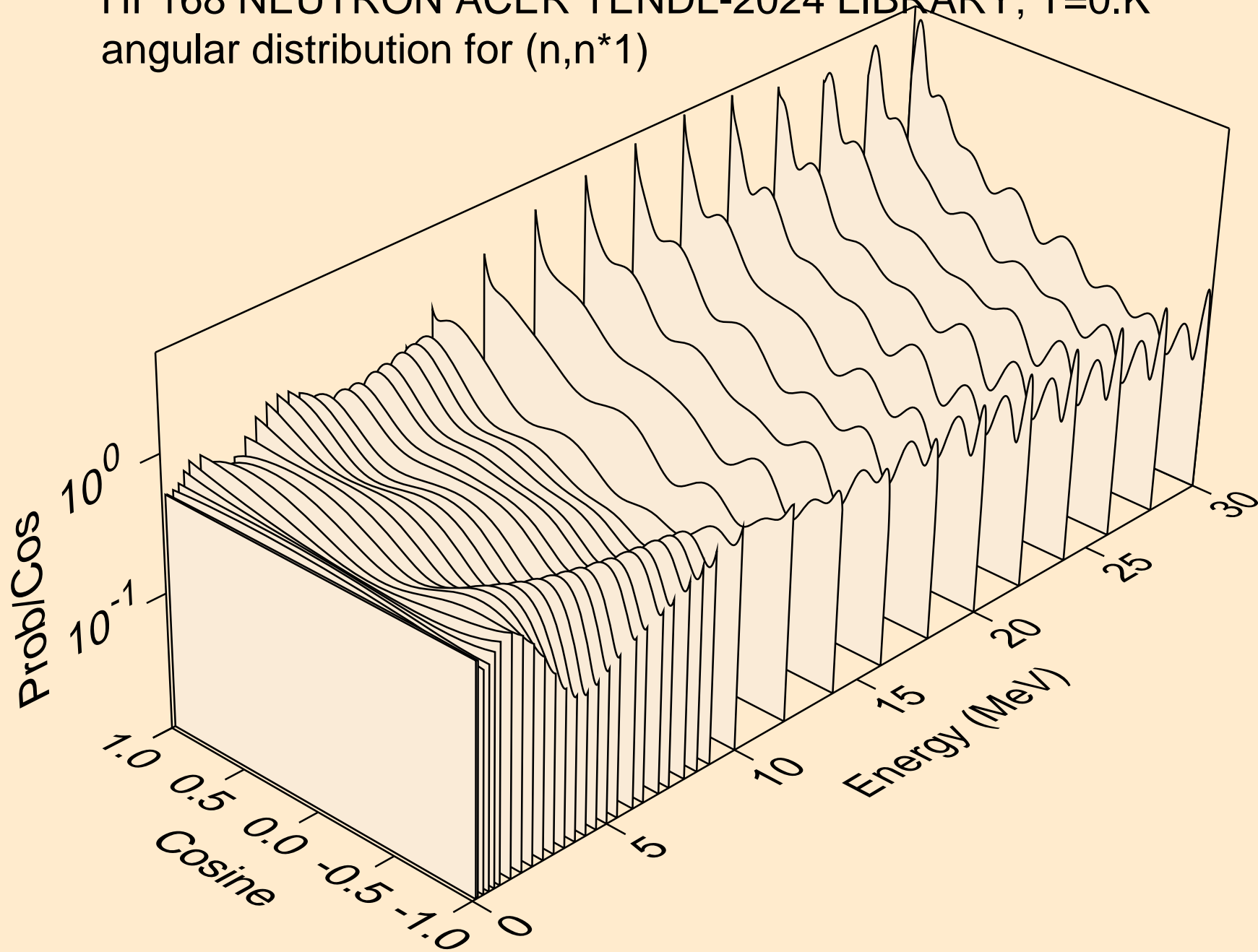
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

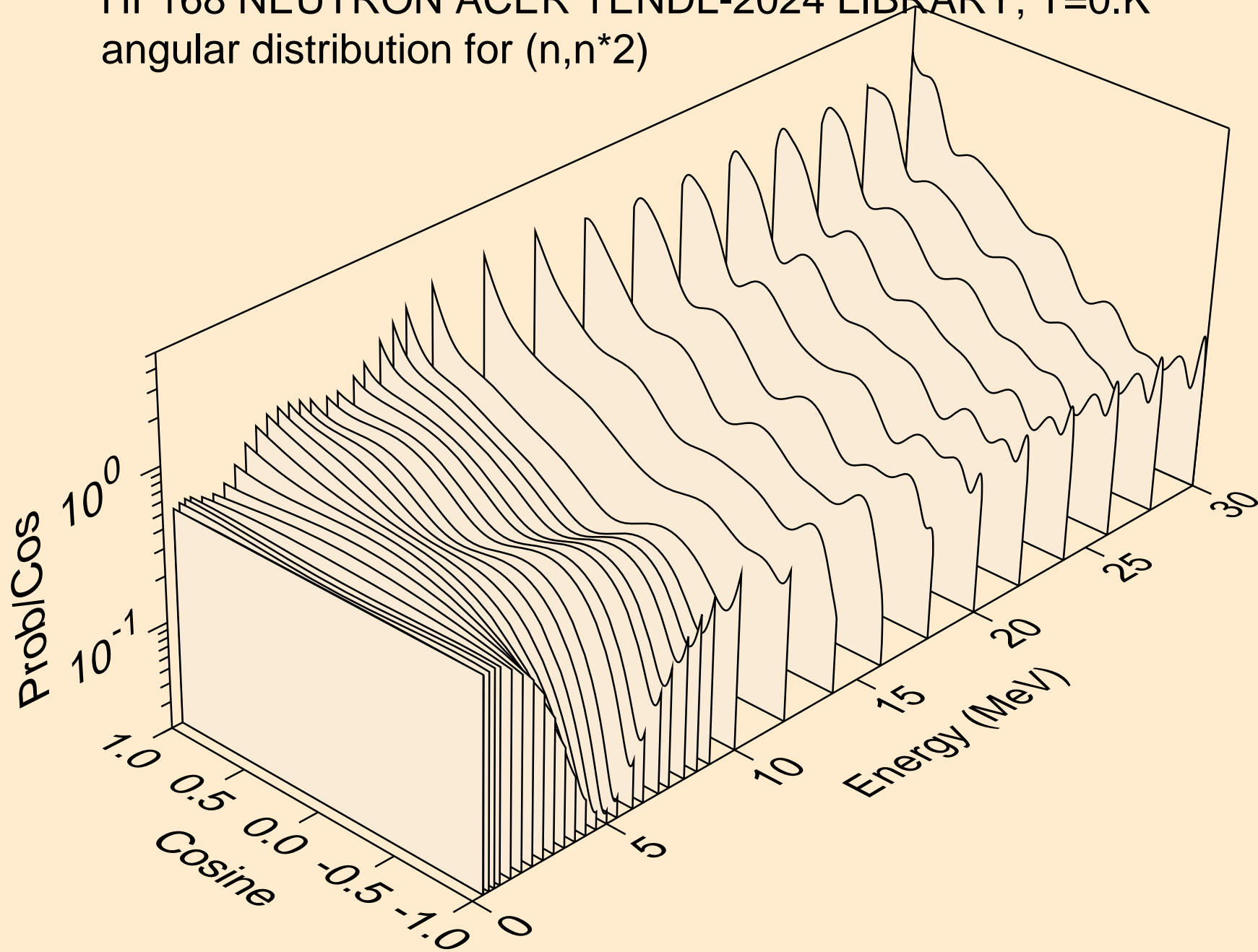


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

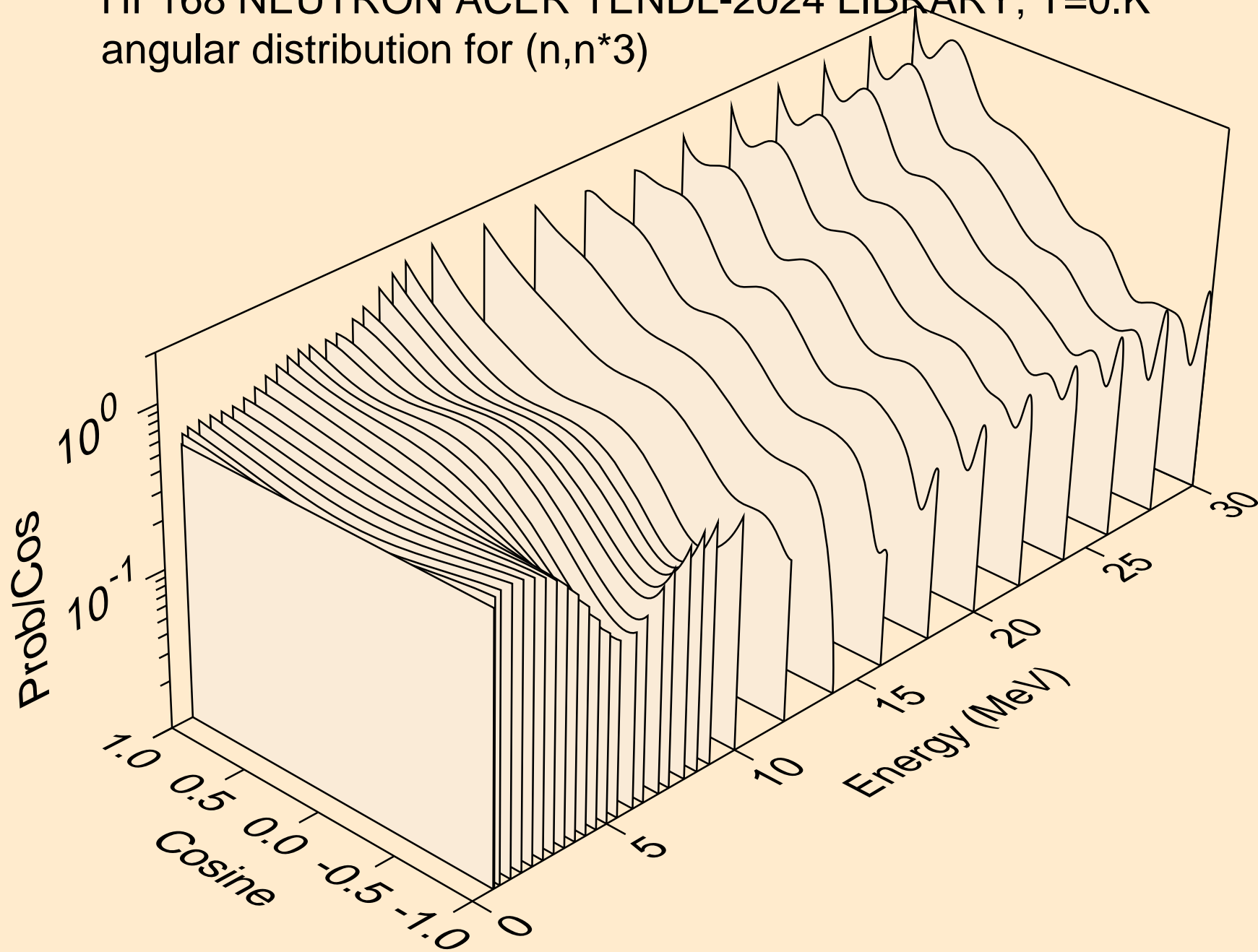




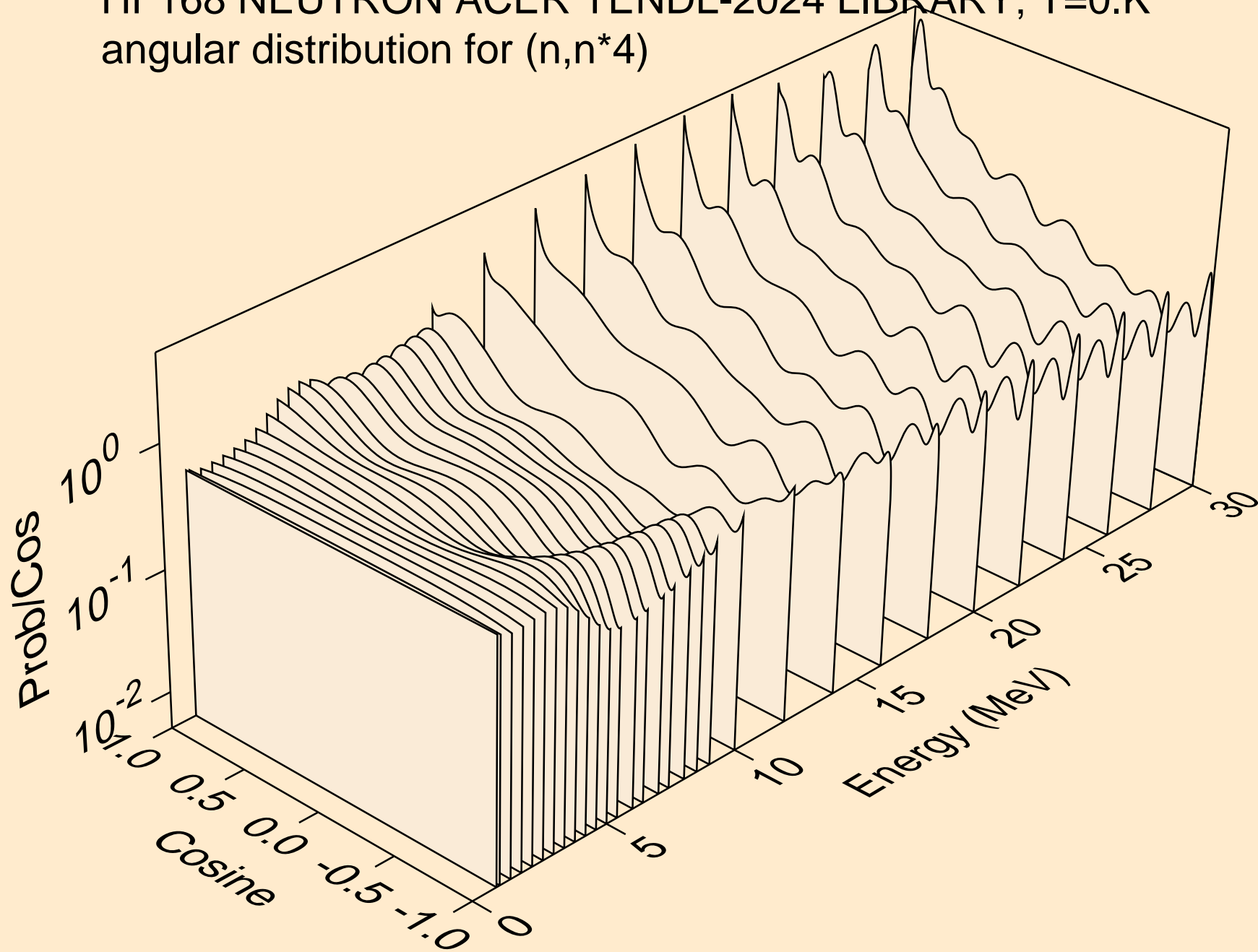
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



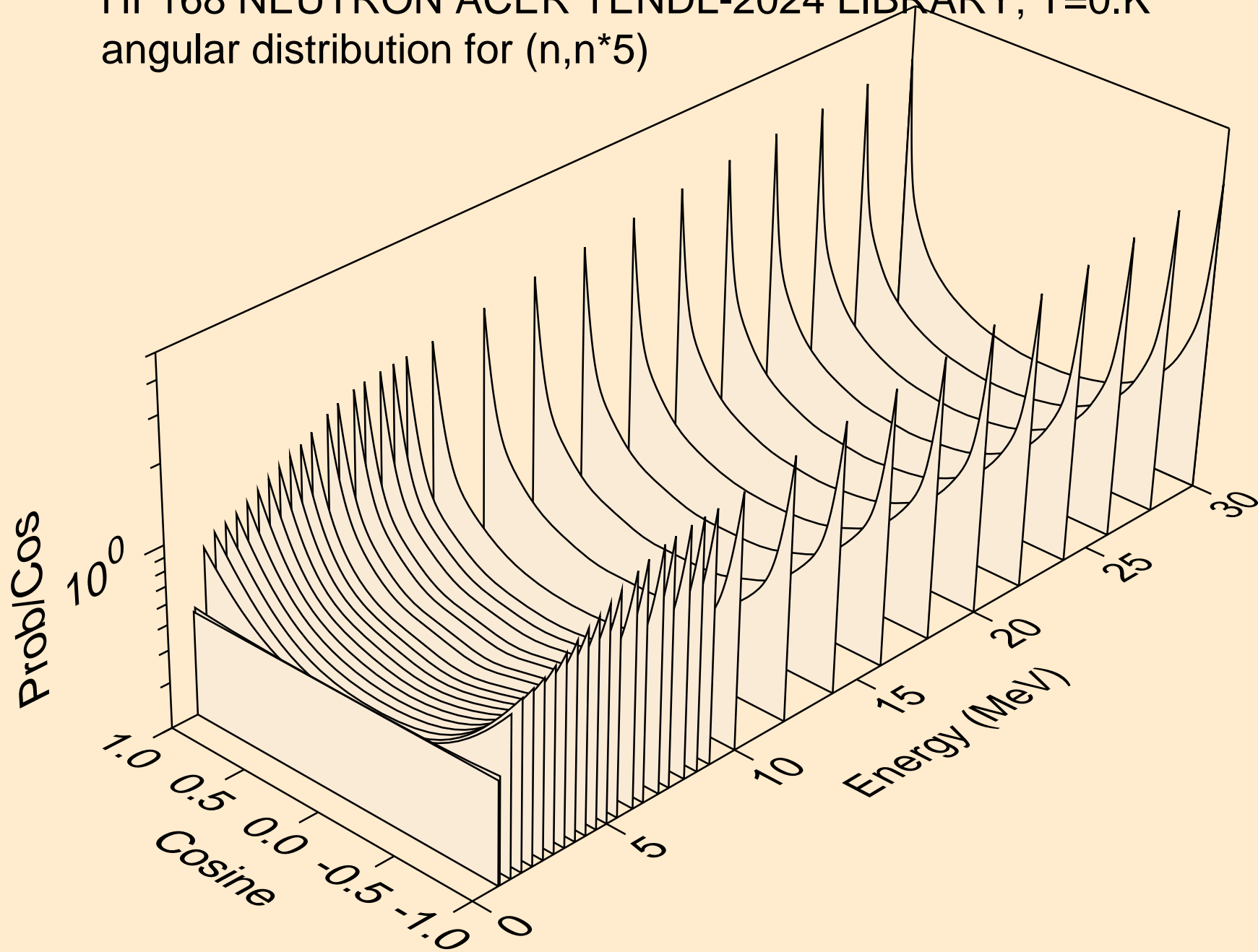
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angular distribution for (n,n\*3)



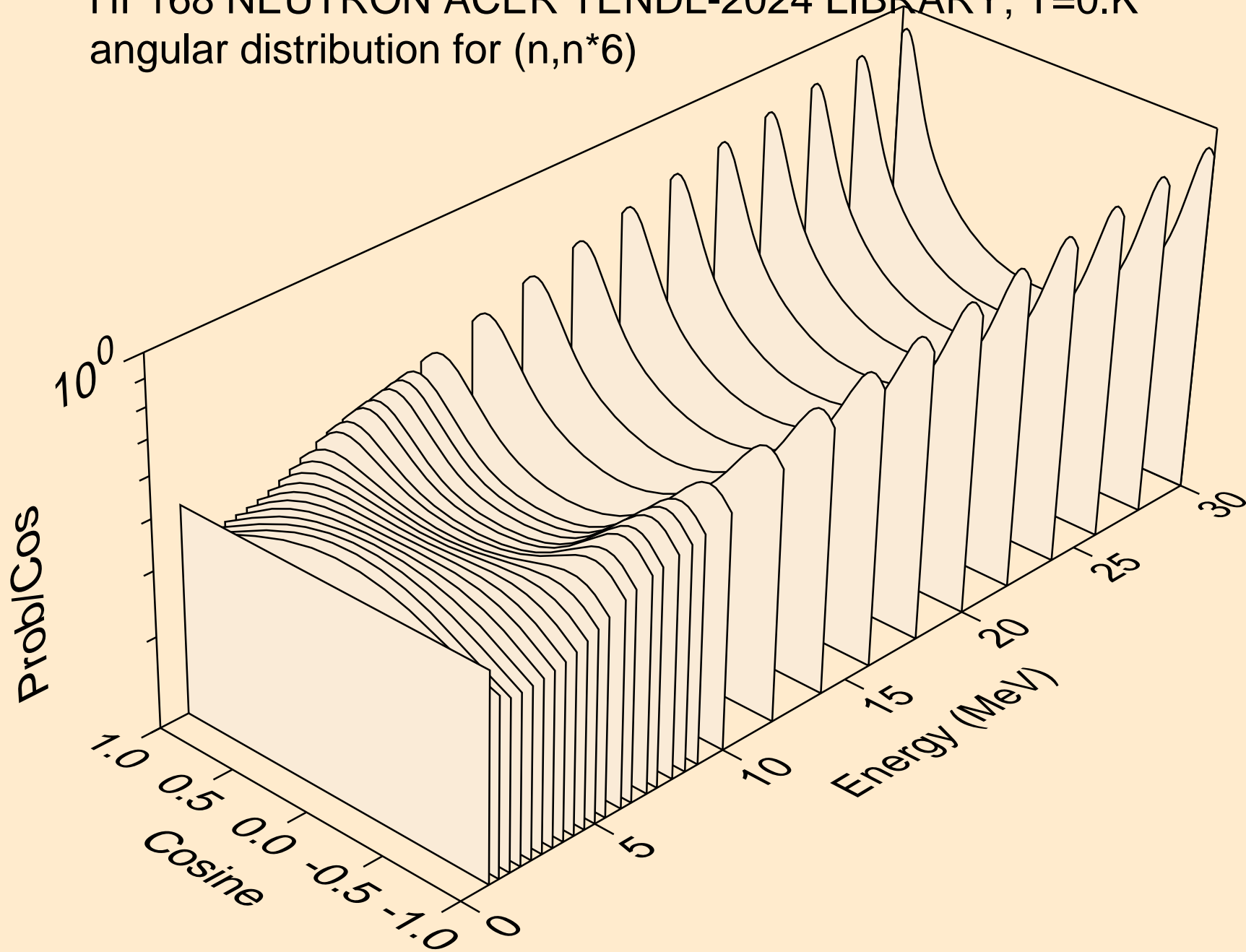
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



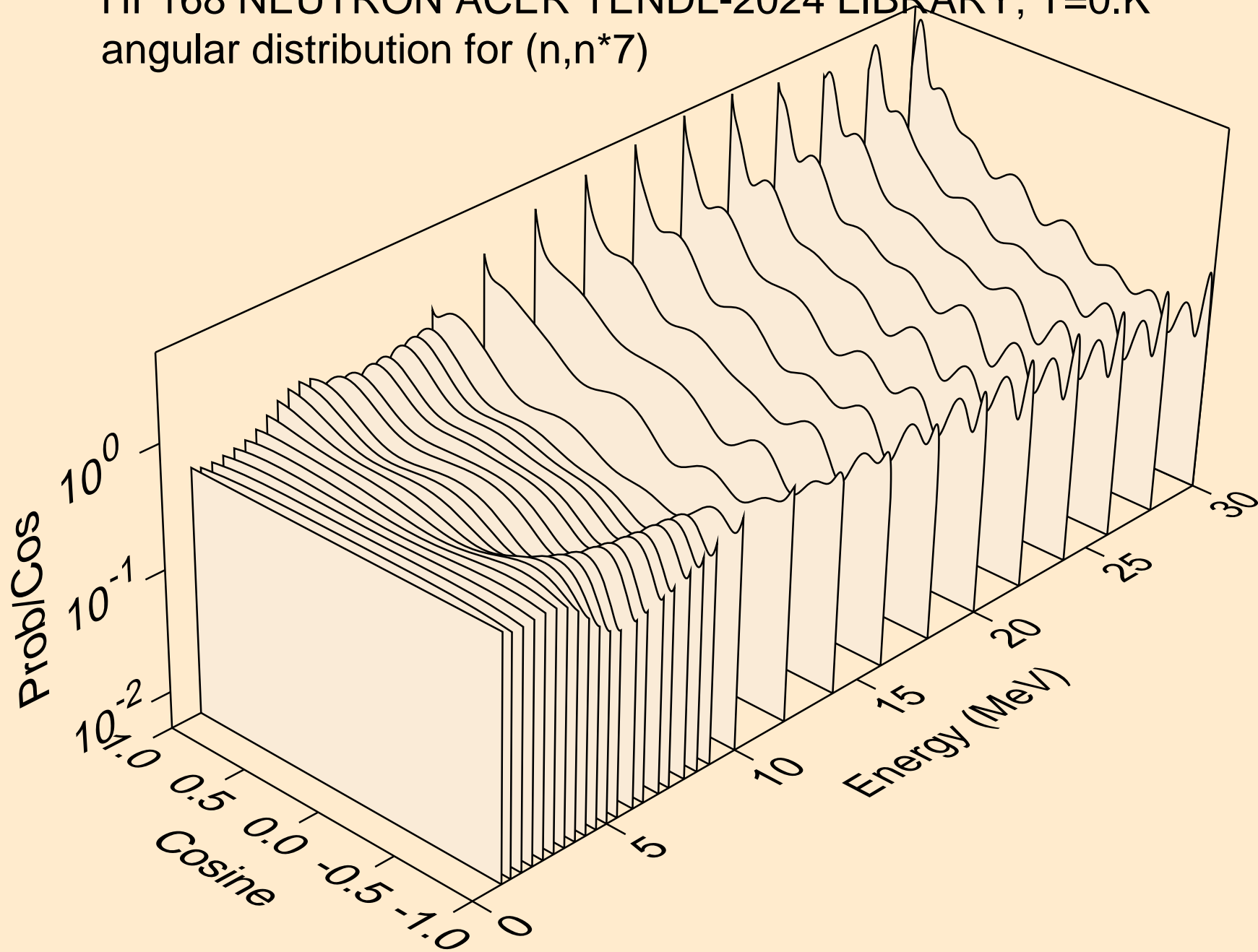
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



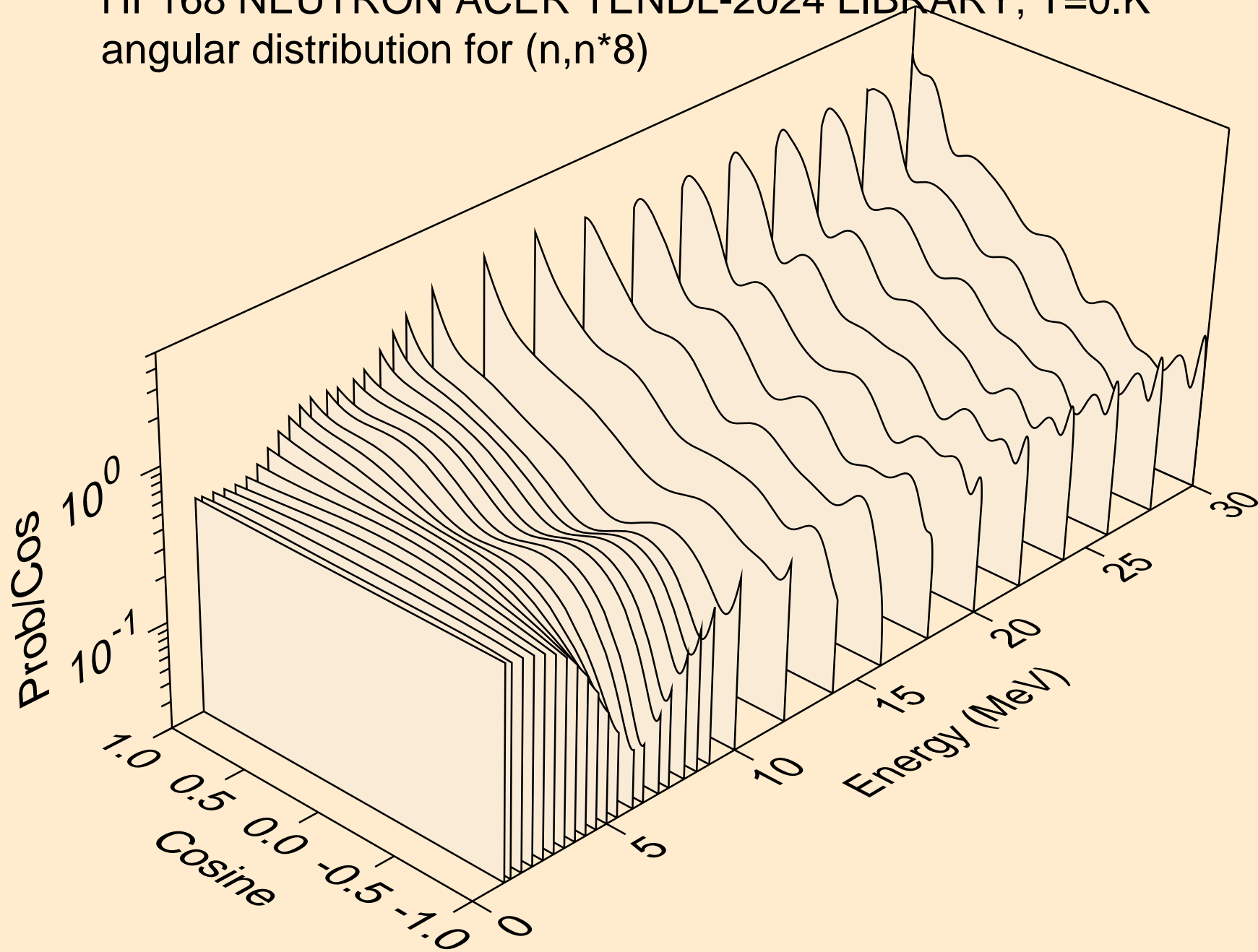
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



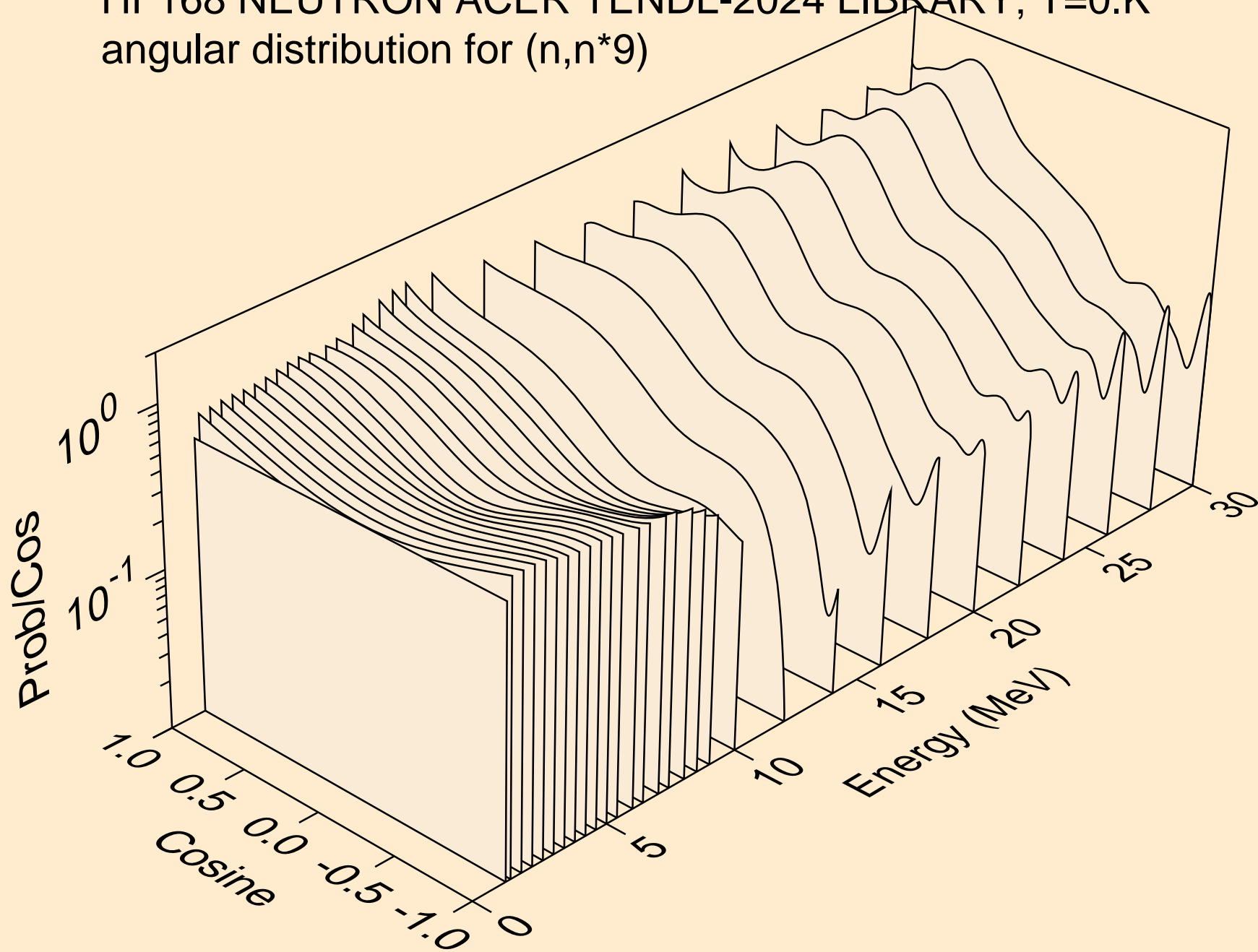
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

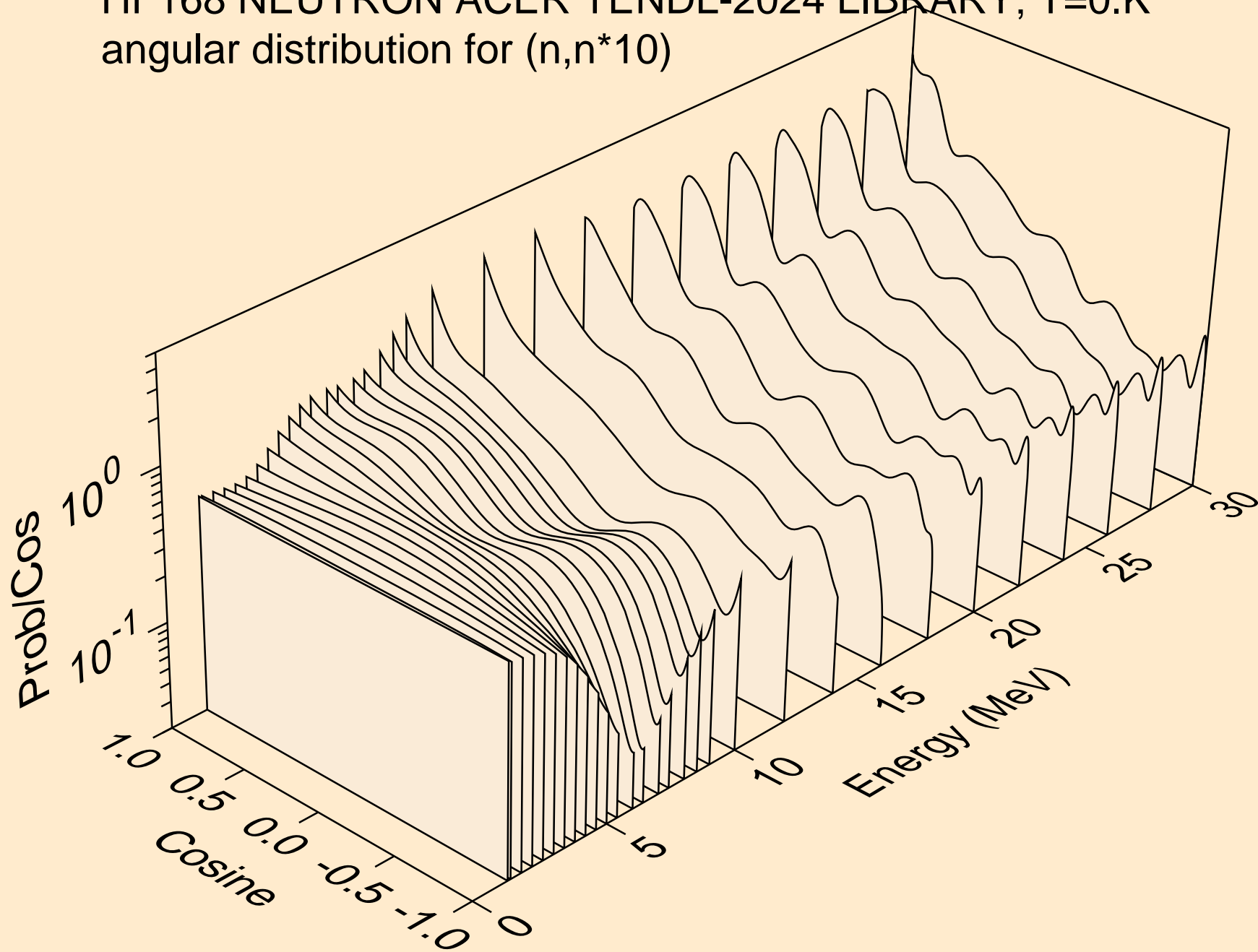


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

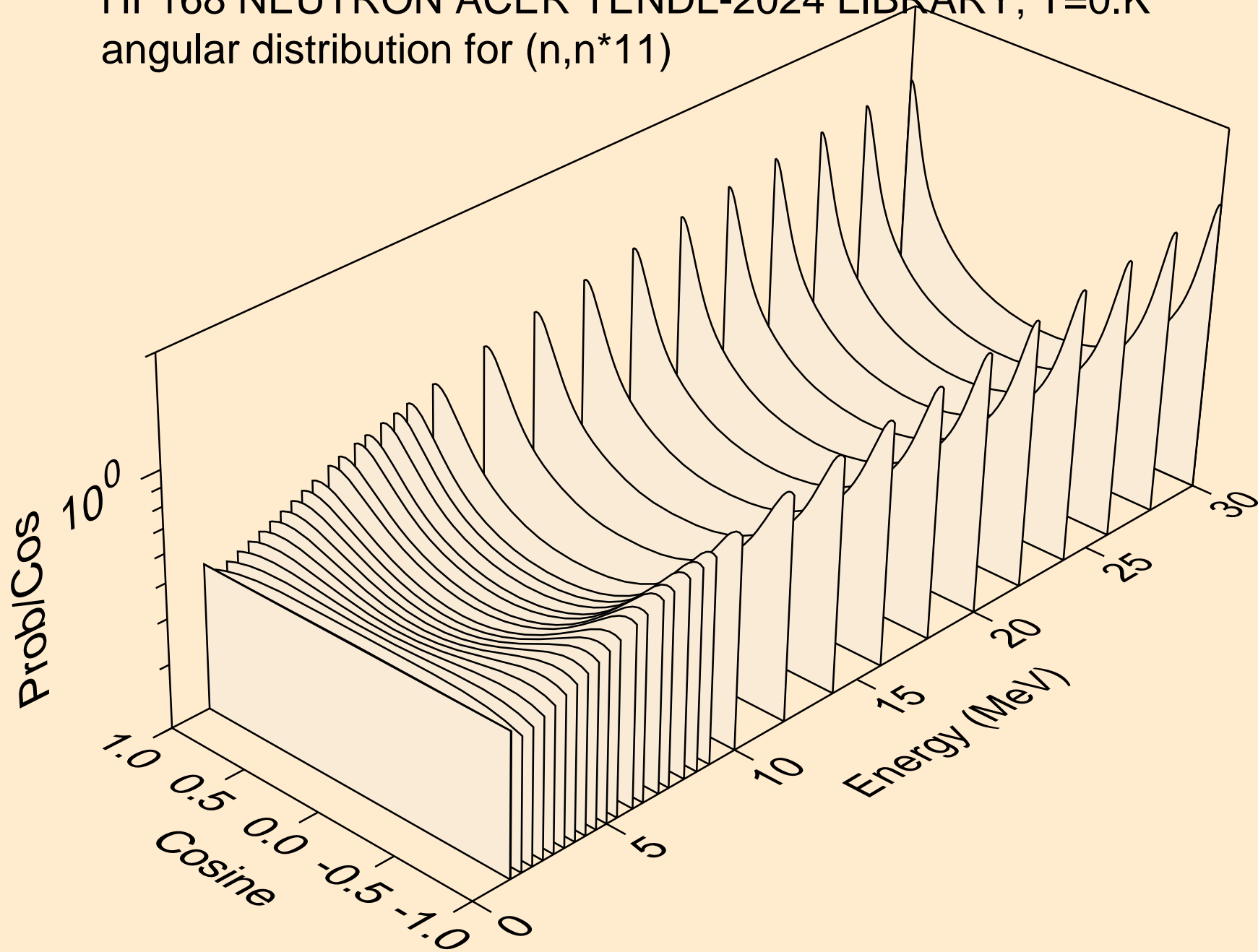




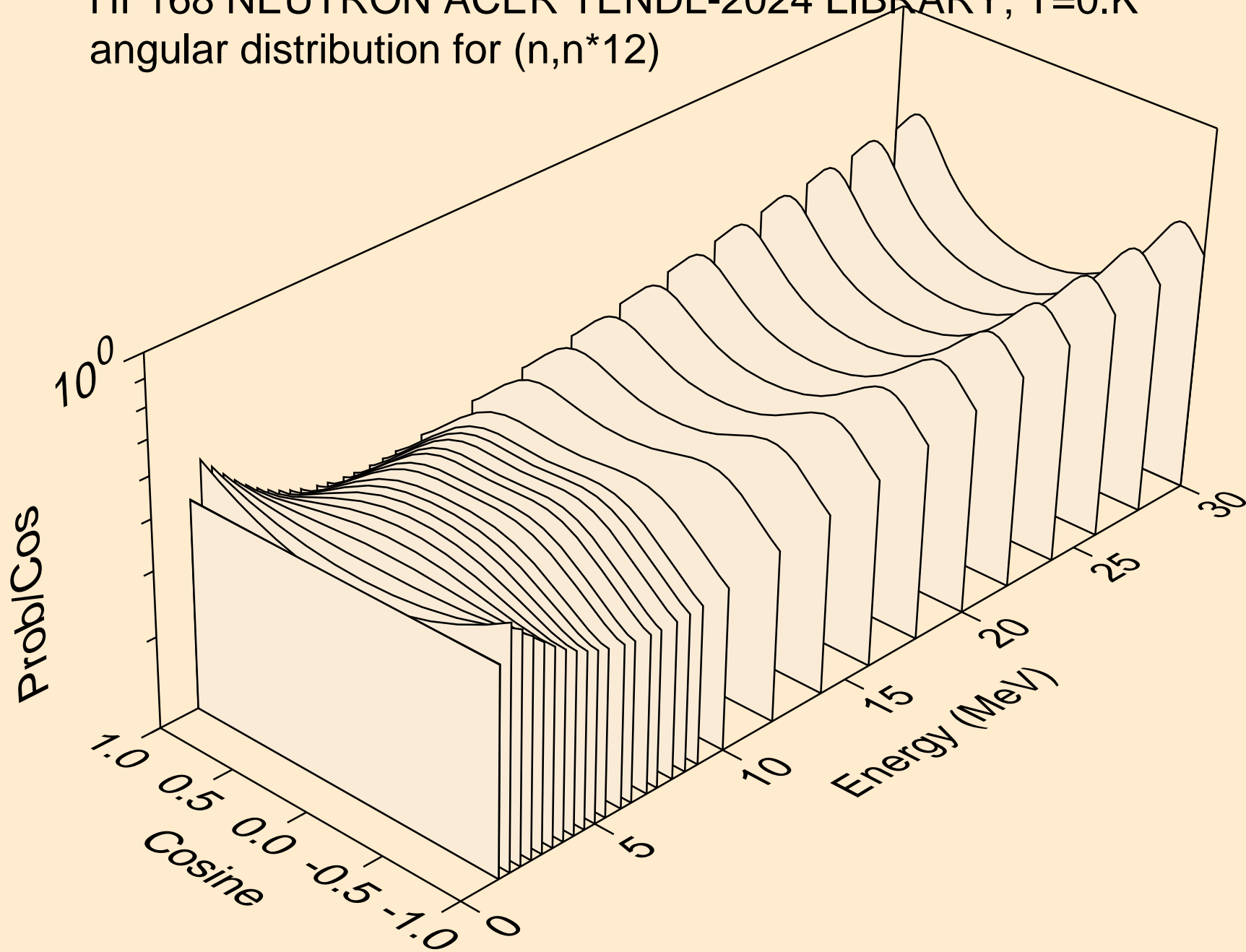
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



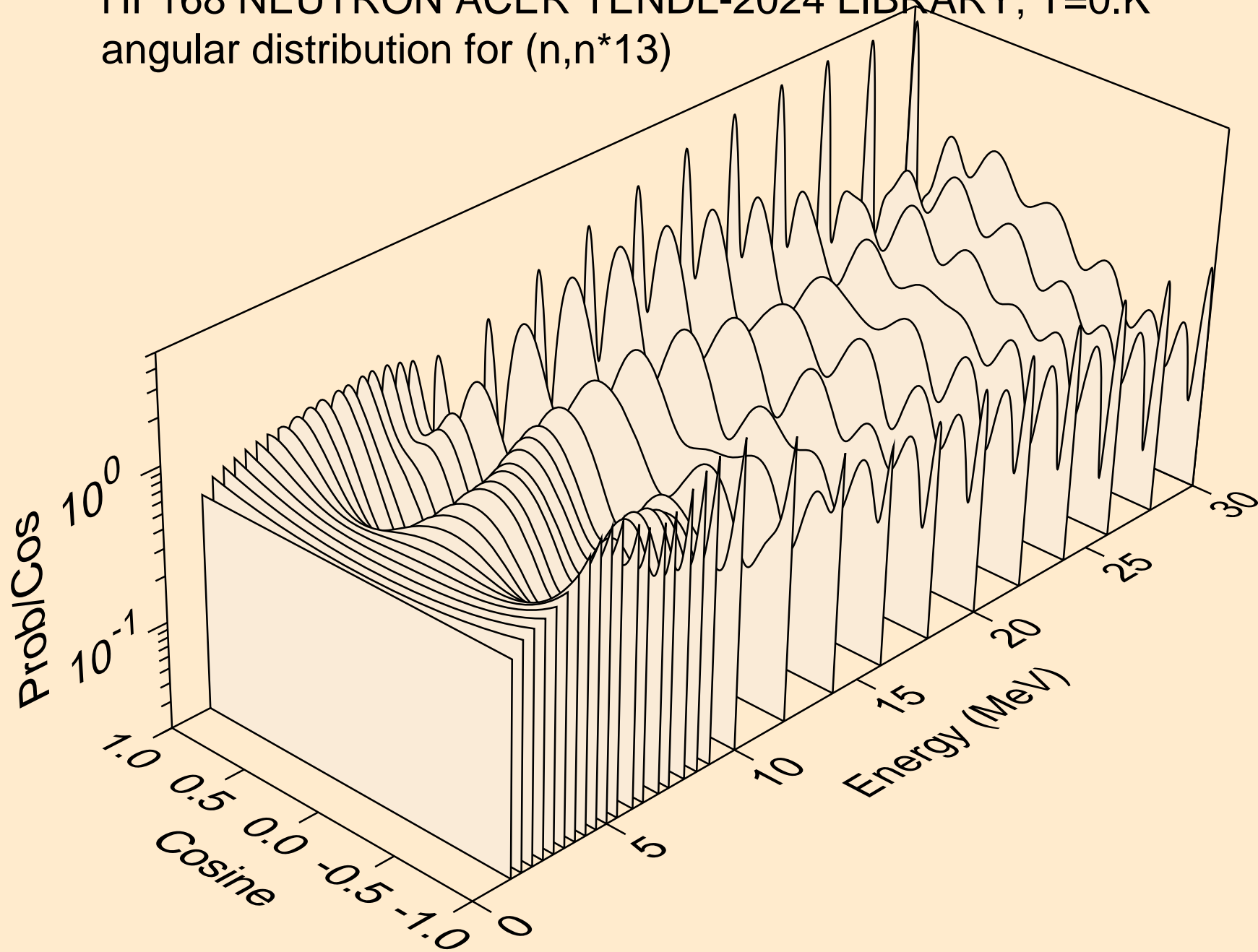
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



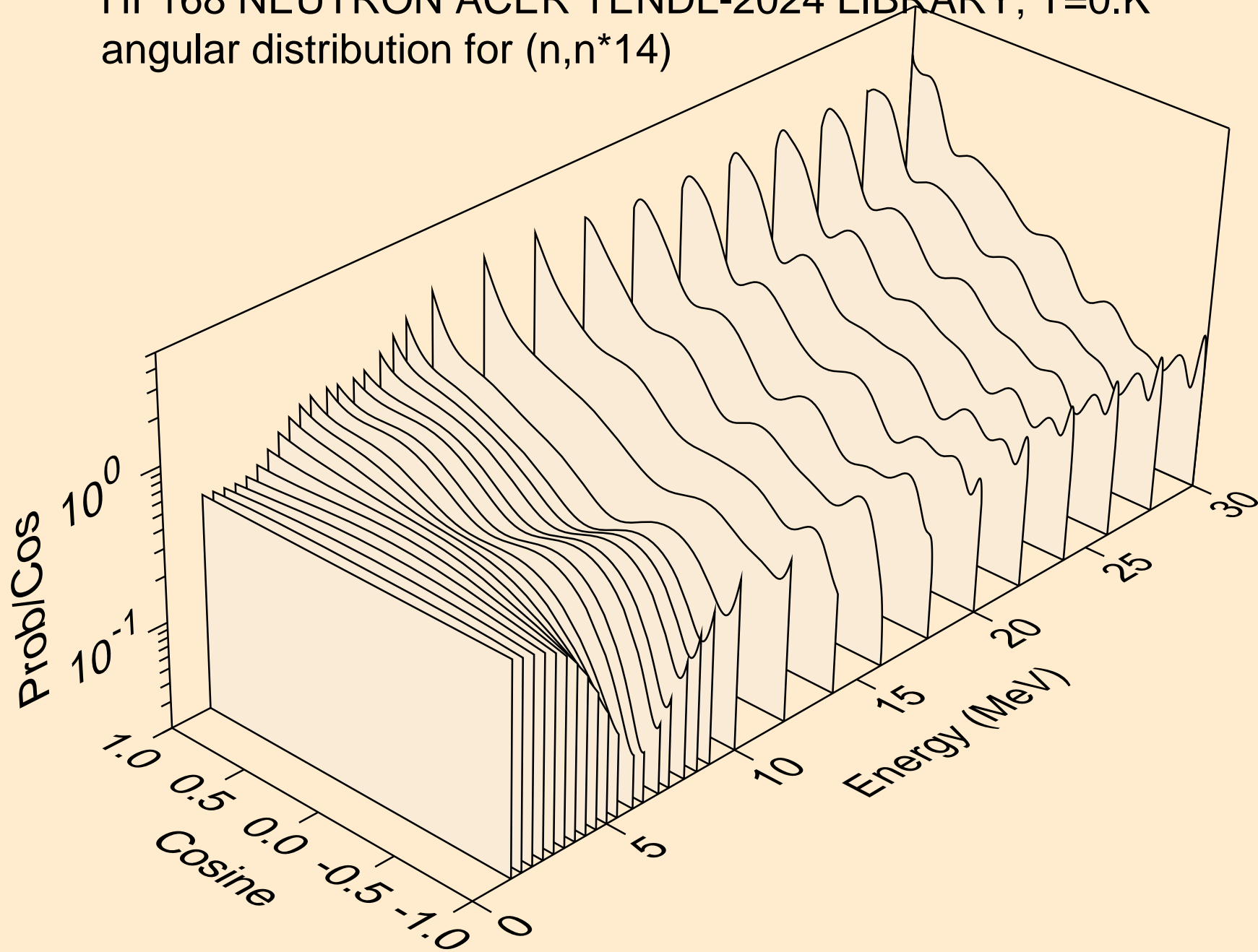
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angular distribution for (n,n\*12)



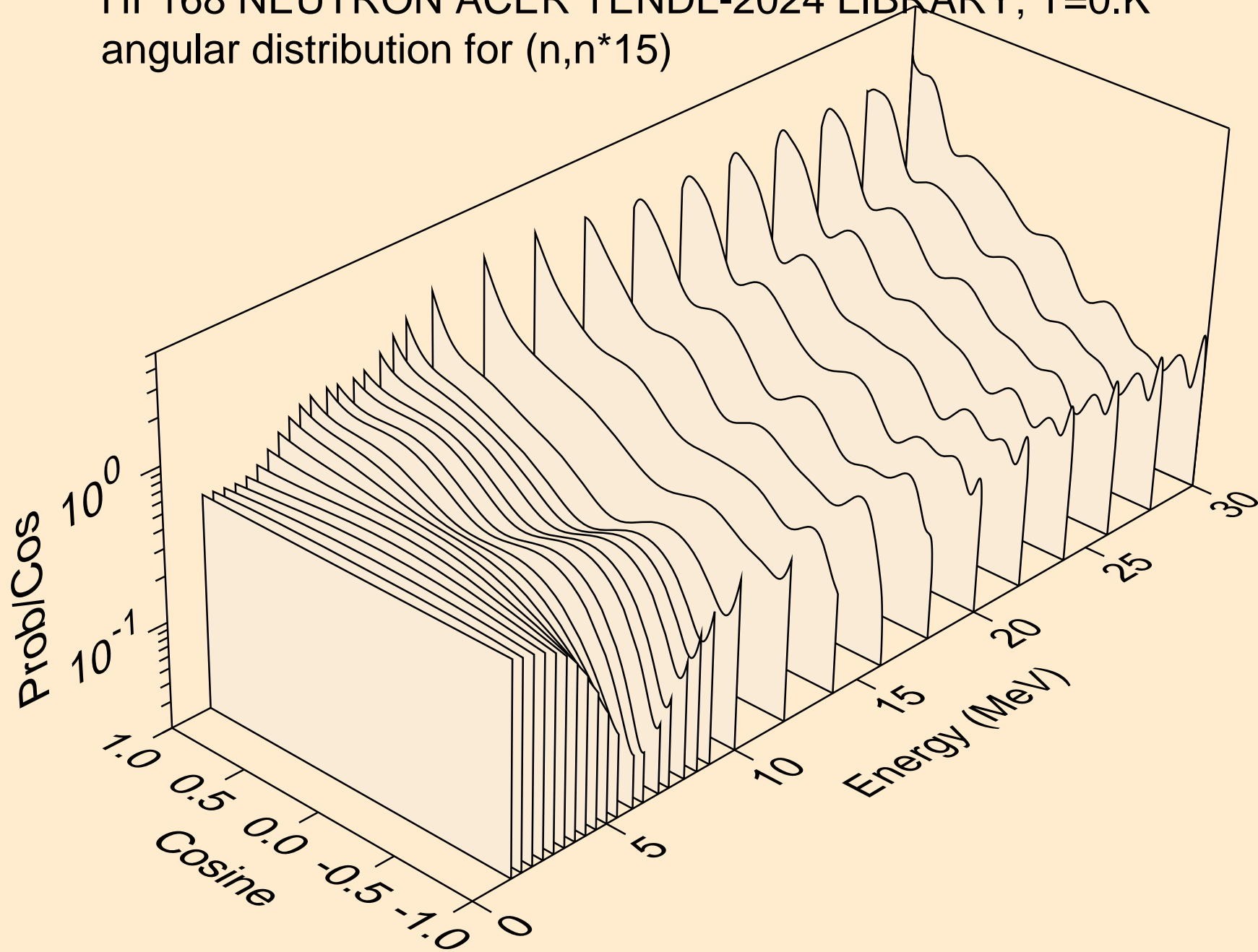
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angular distribution for (n,n\*13)



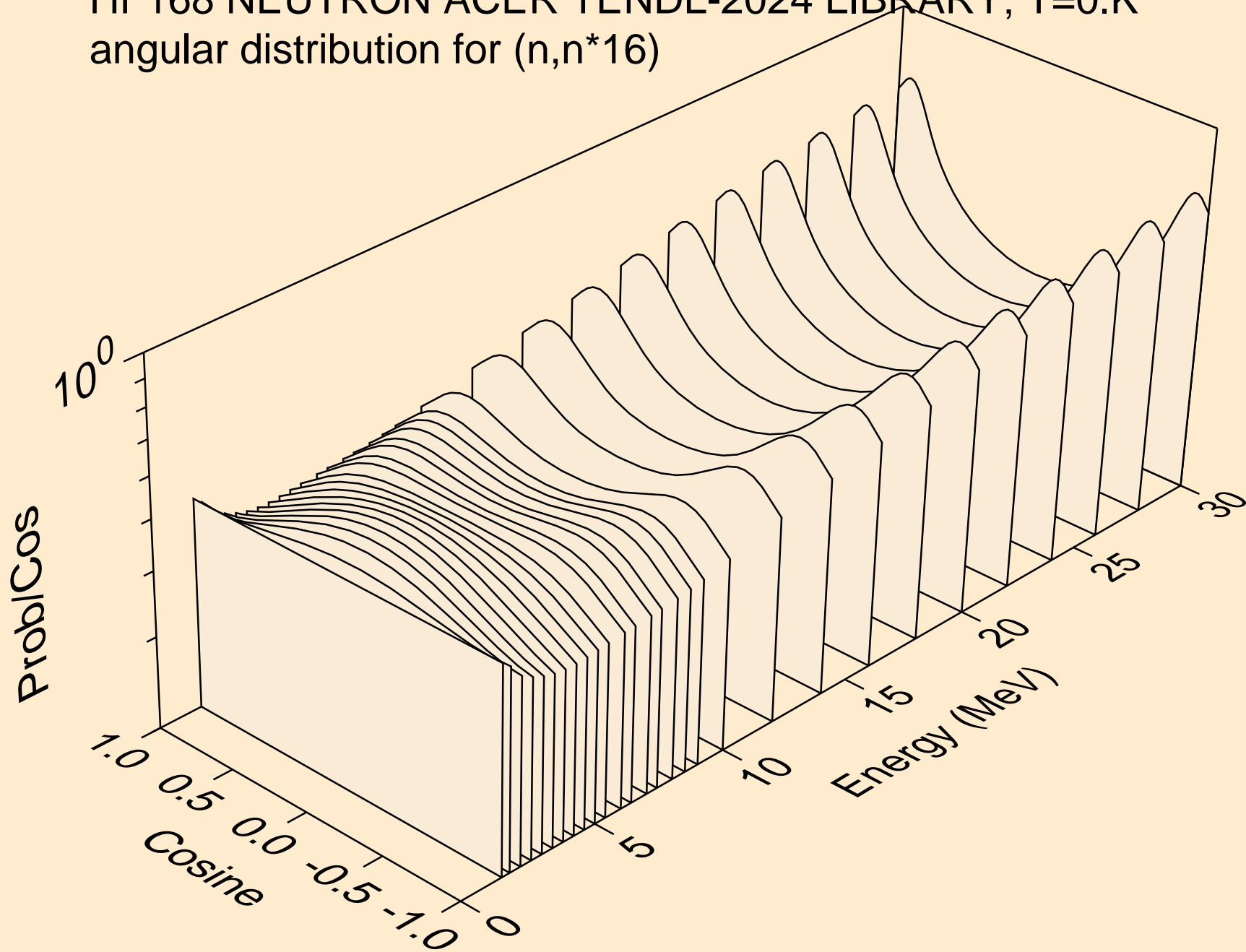
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angular distribution for (n,n\*14)



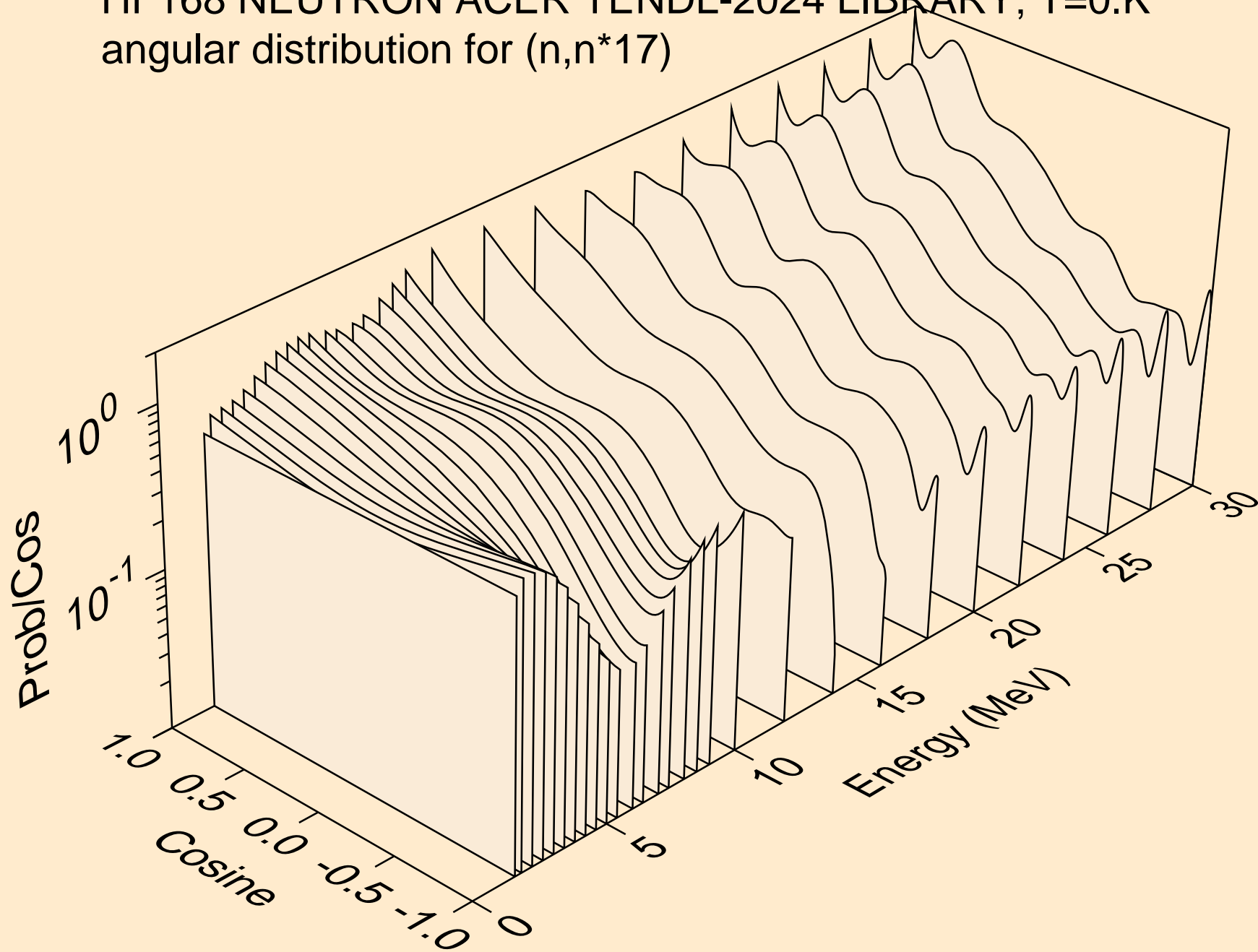
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

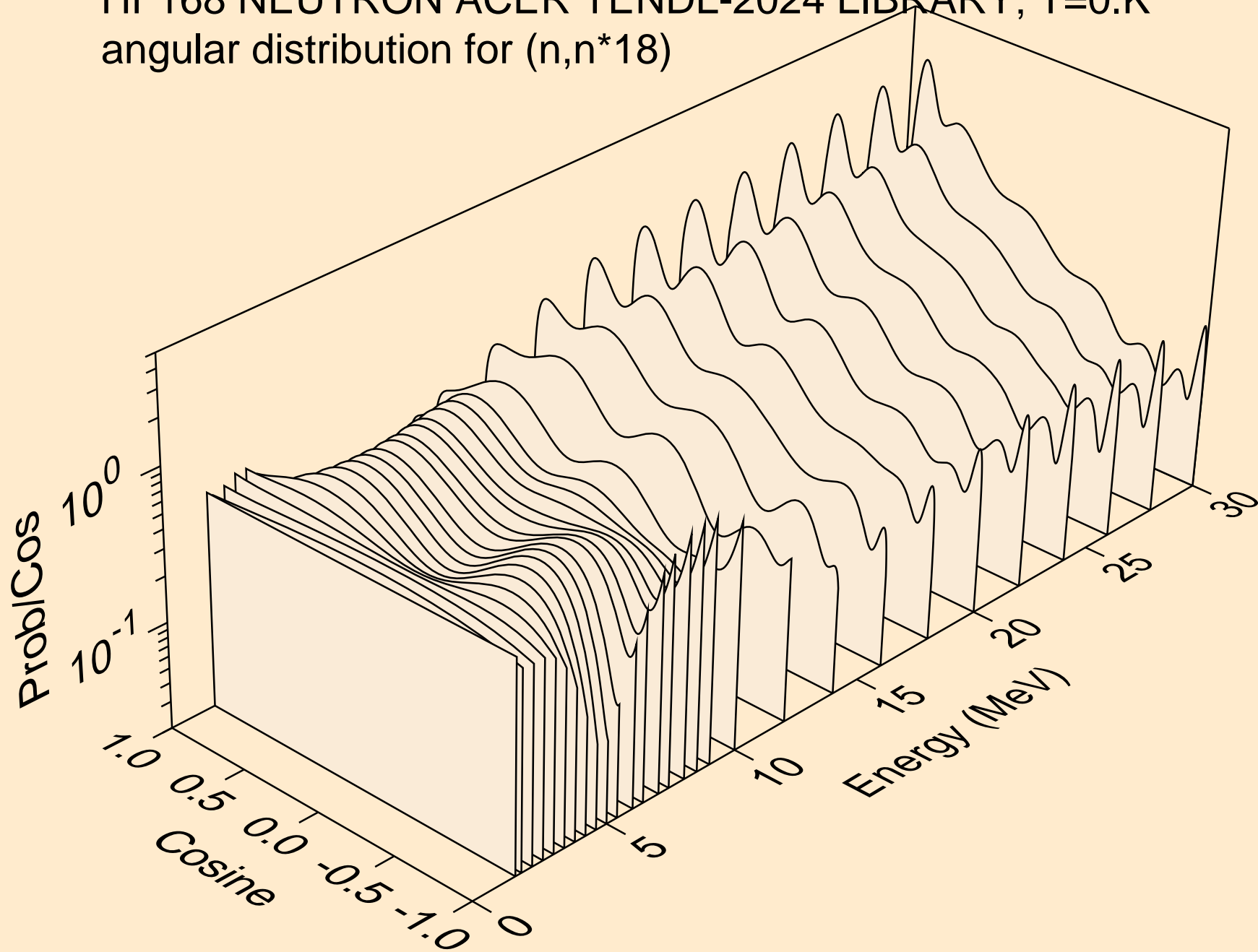


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

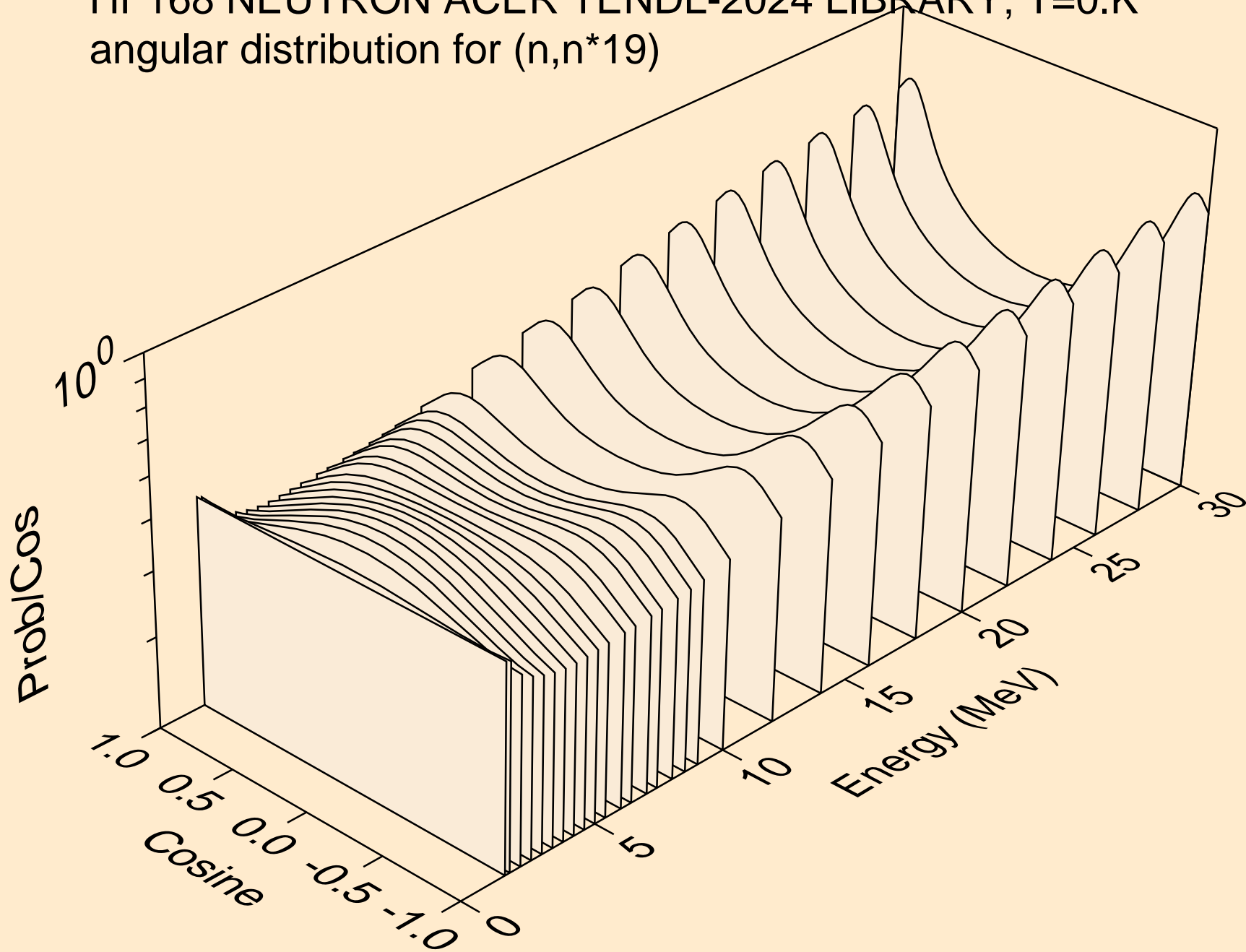




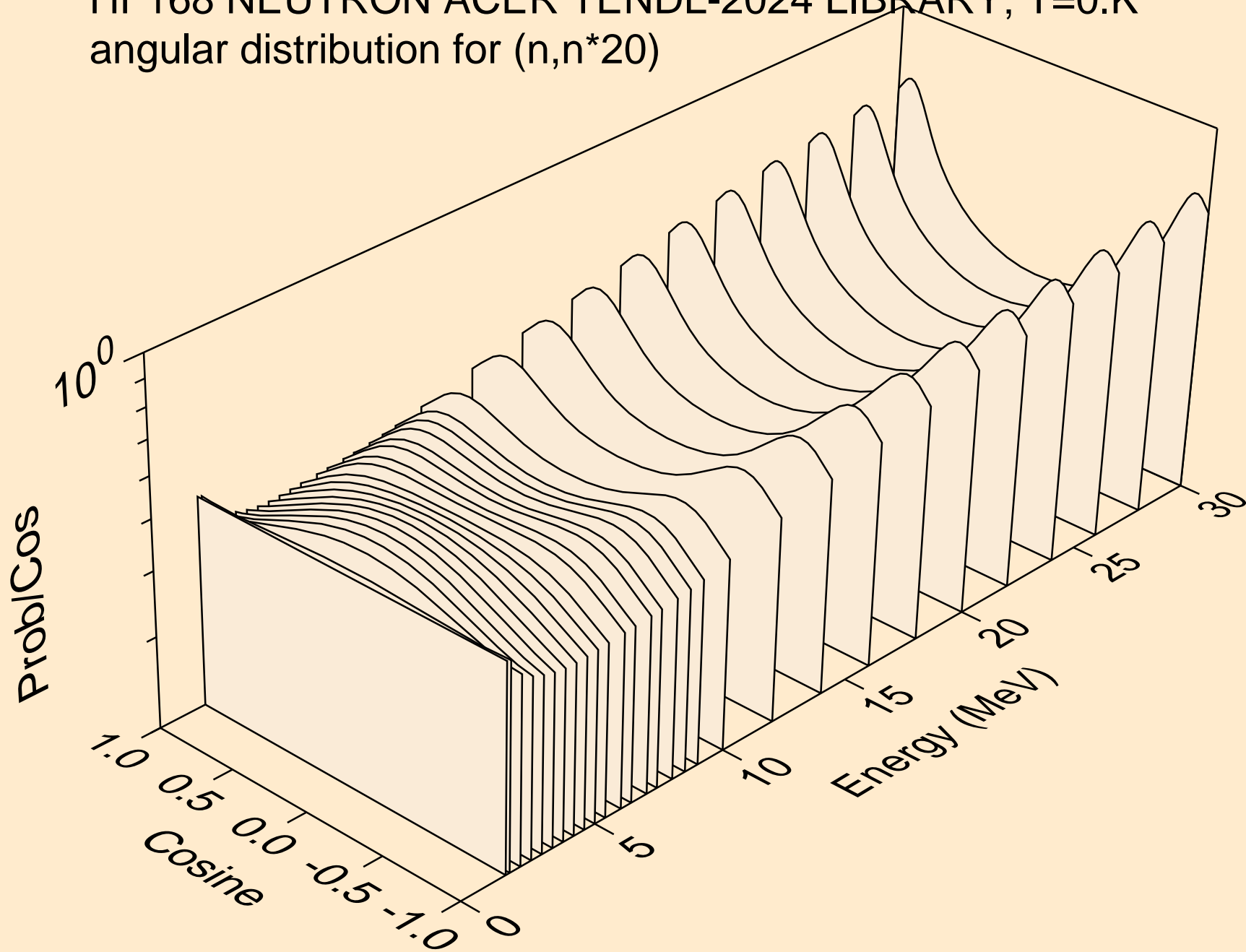
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angular distribution for (n,n\*18)



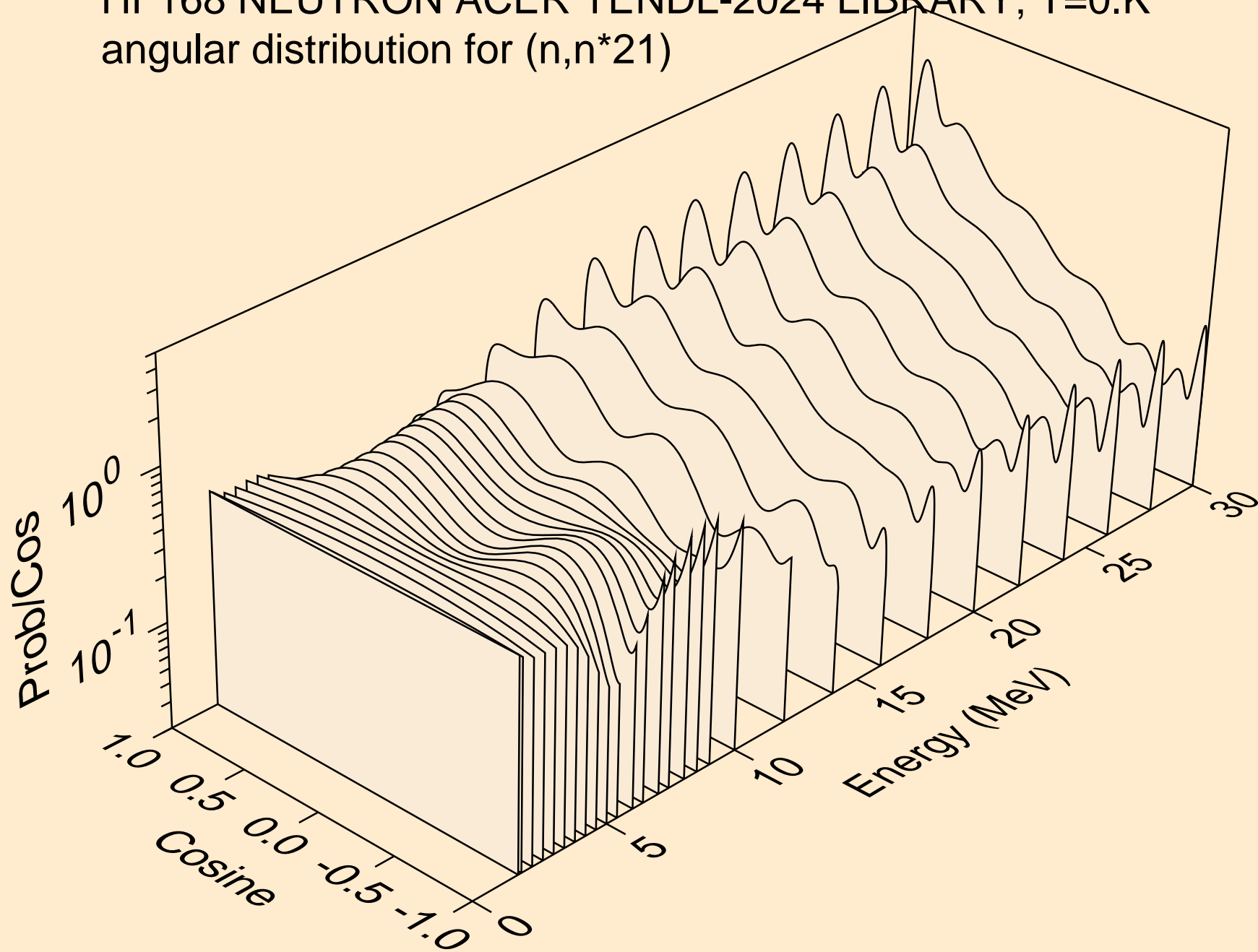
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angular distribution for (n,n\*19)



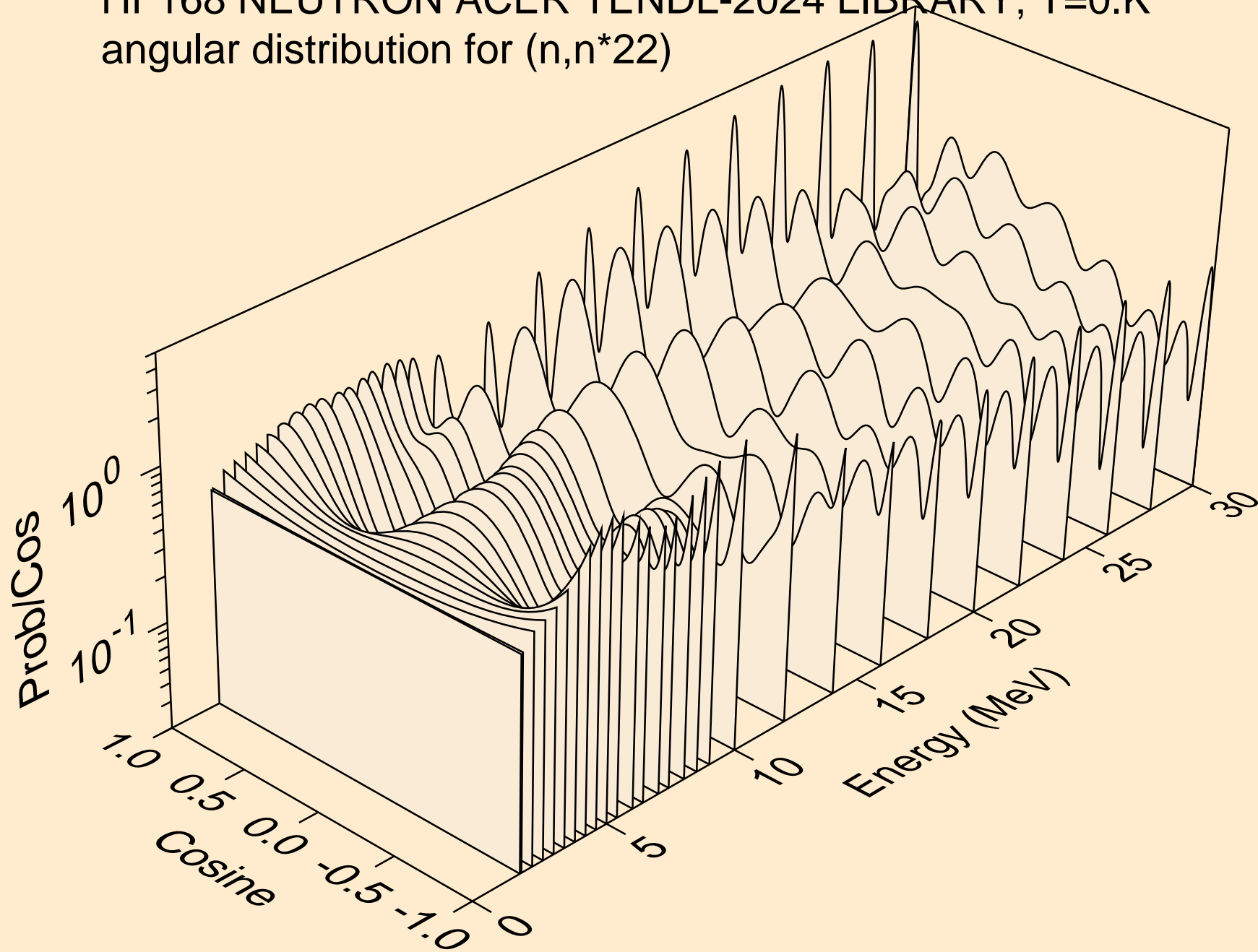
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angular distribution for (n,n\*20)



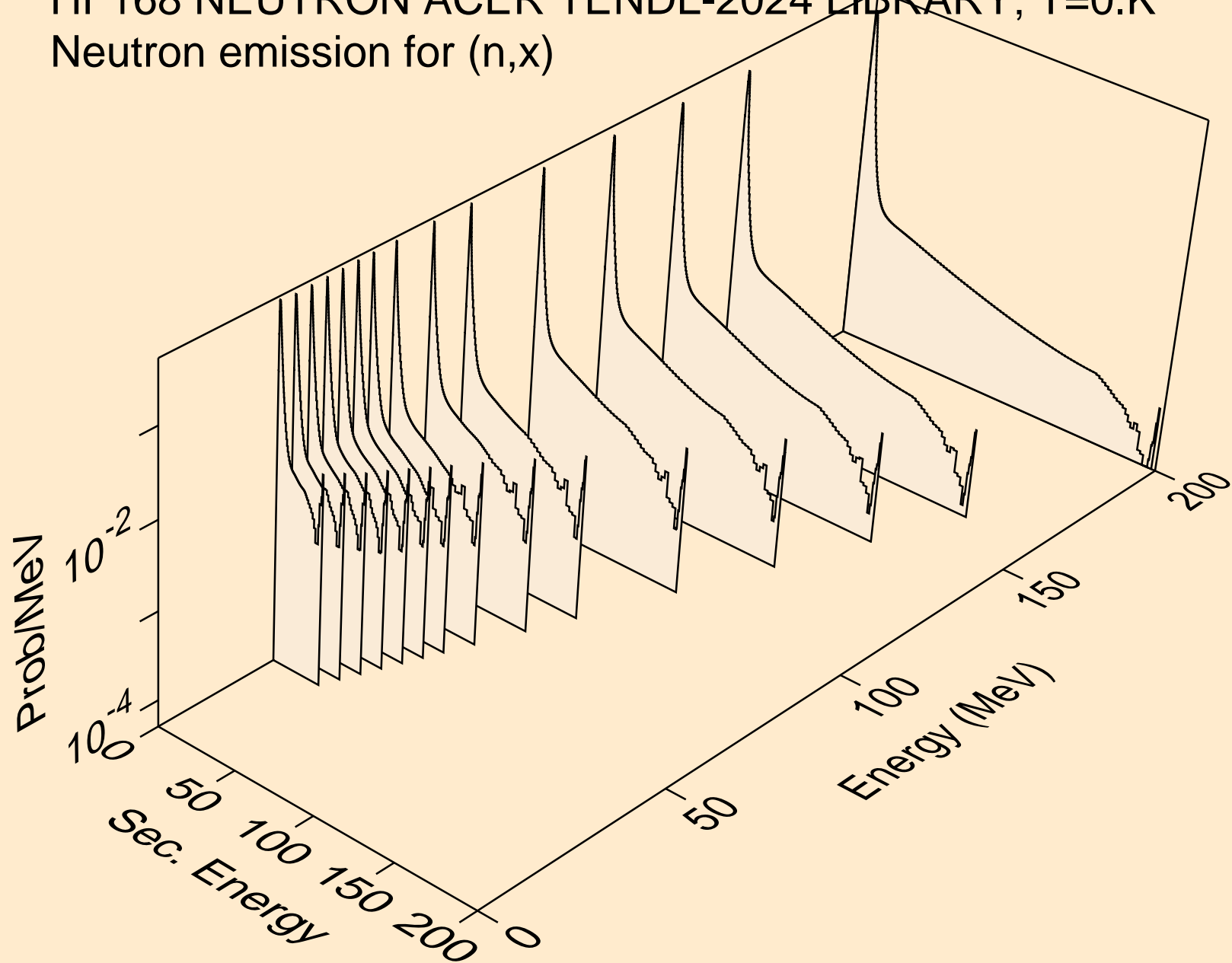
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angular distribution for (n,n\*21)



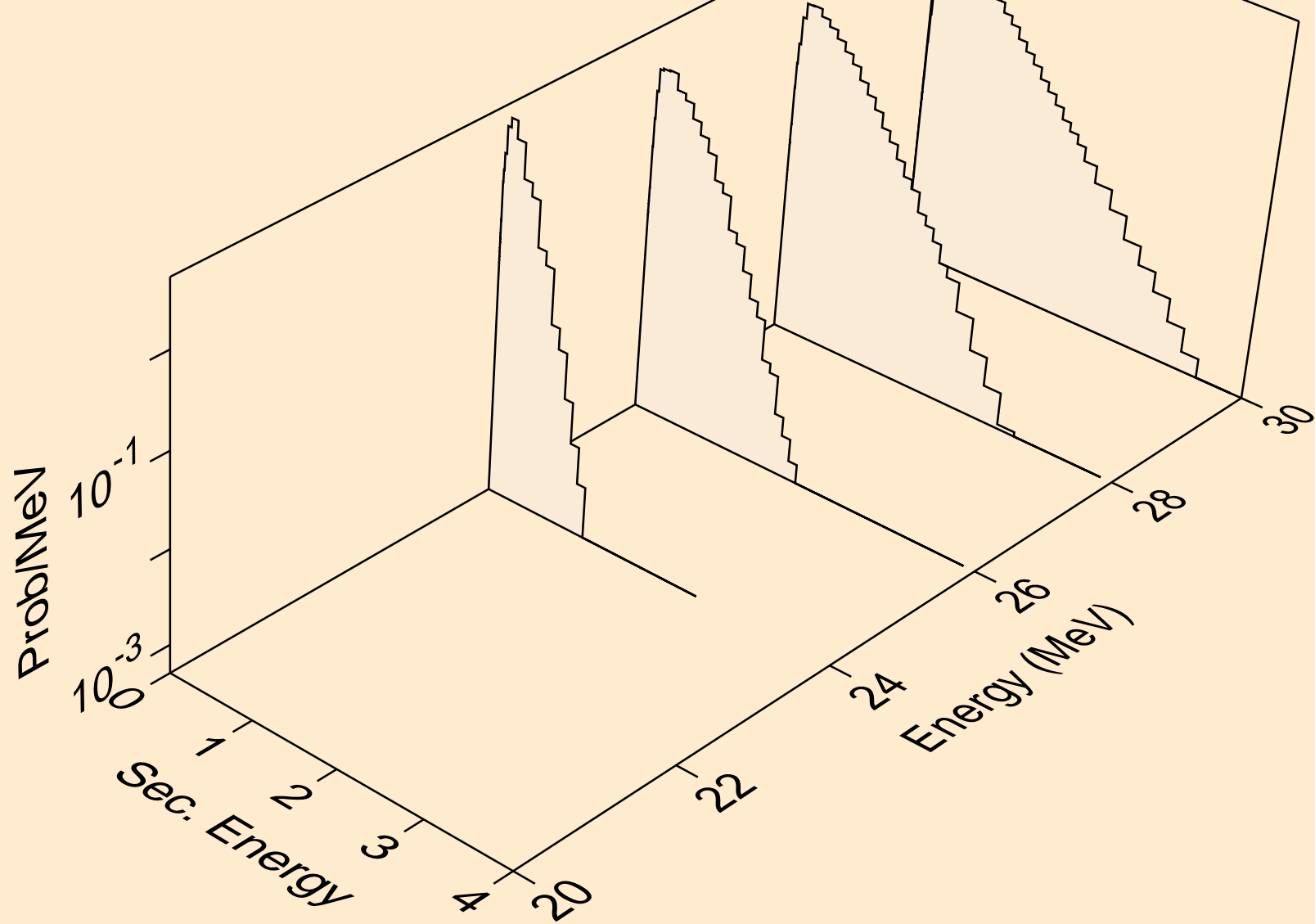
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angular distribution for (n,n\*22)



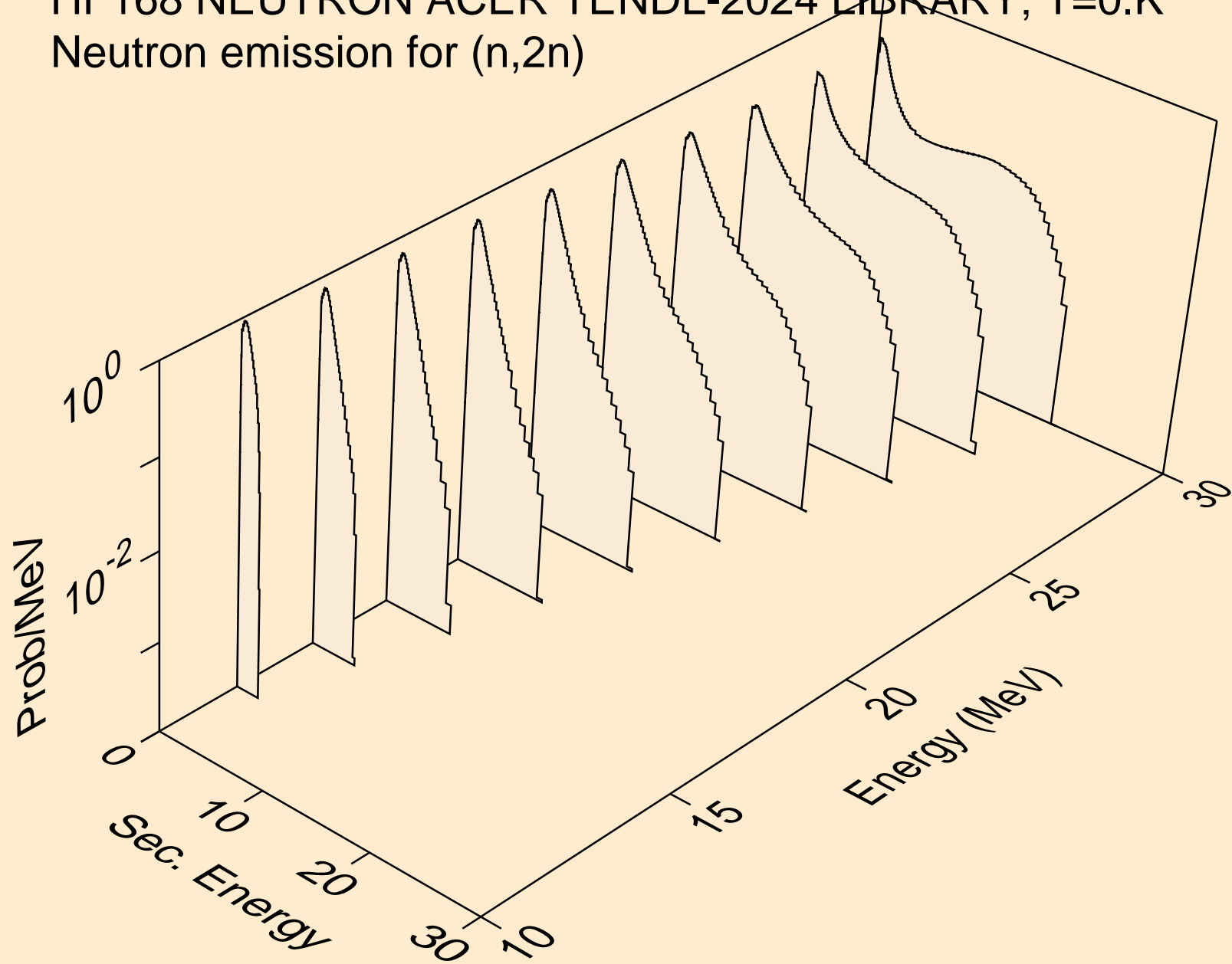
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

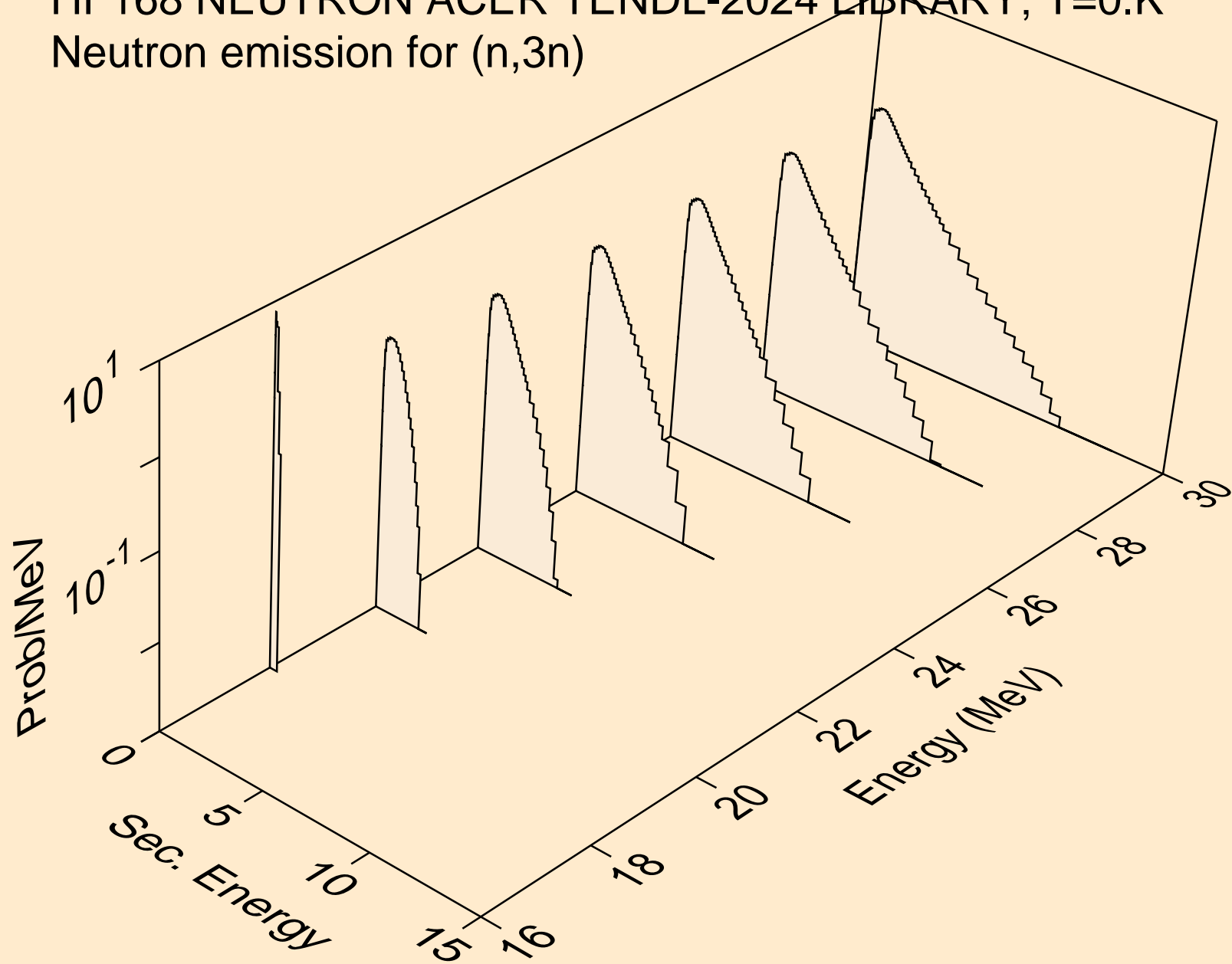


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

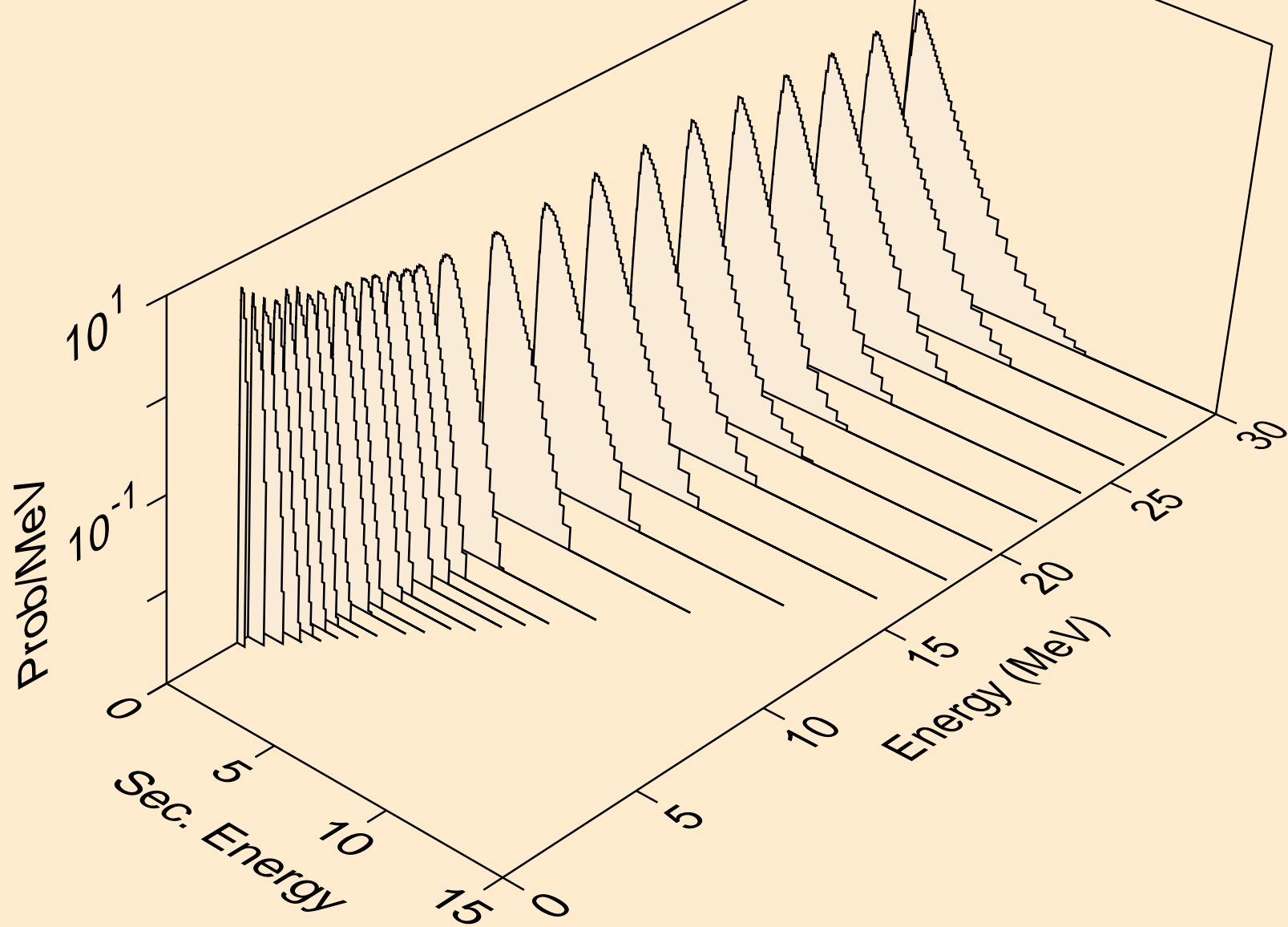




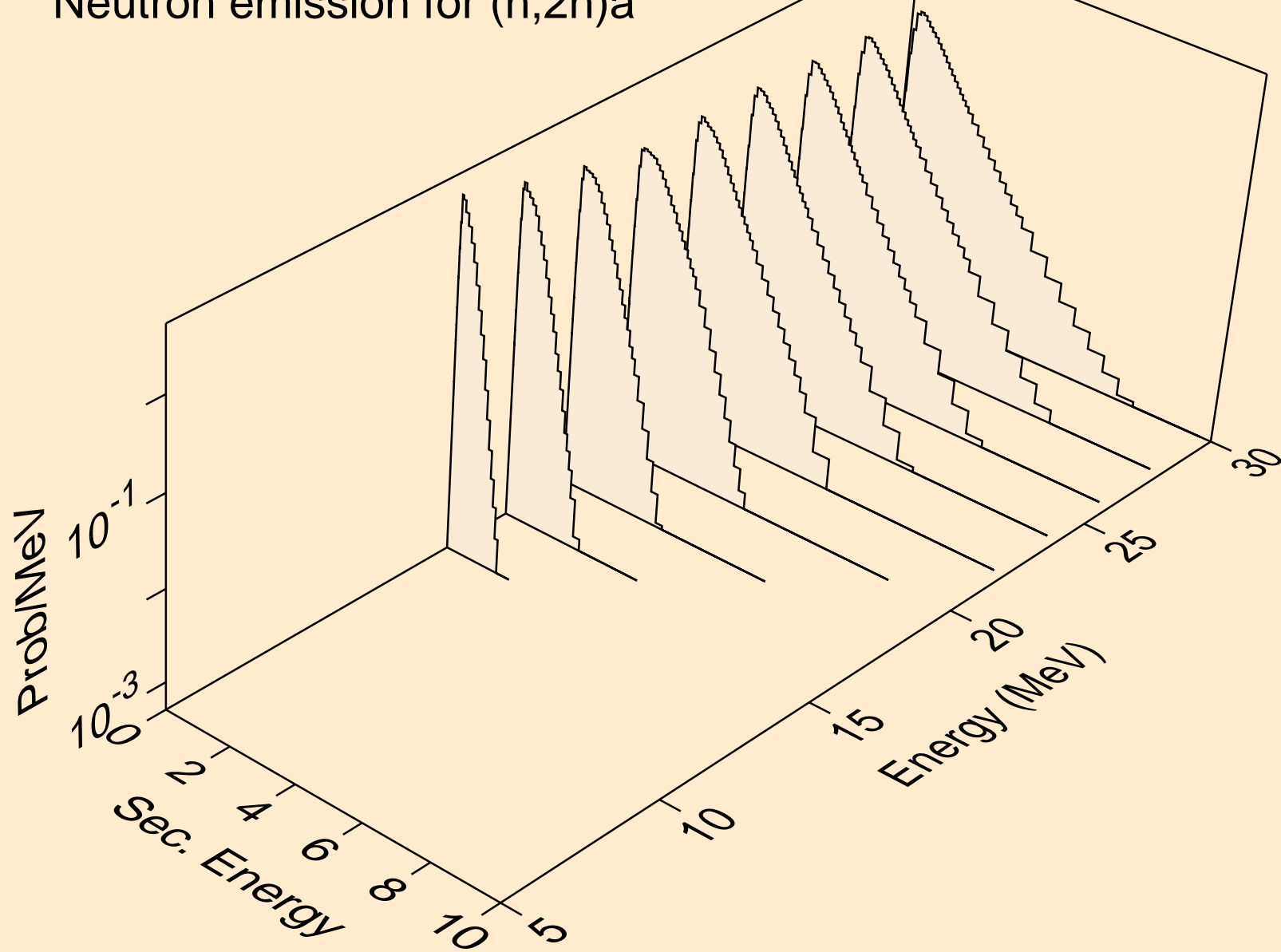
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



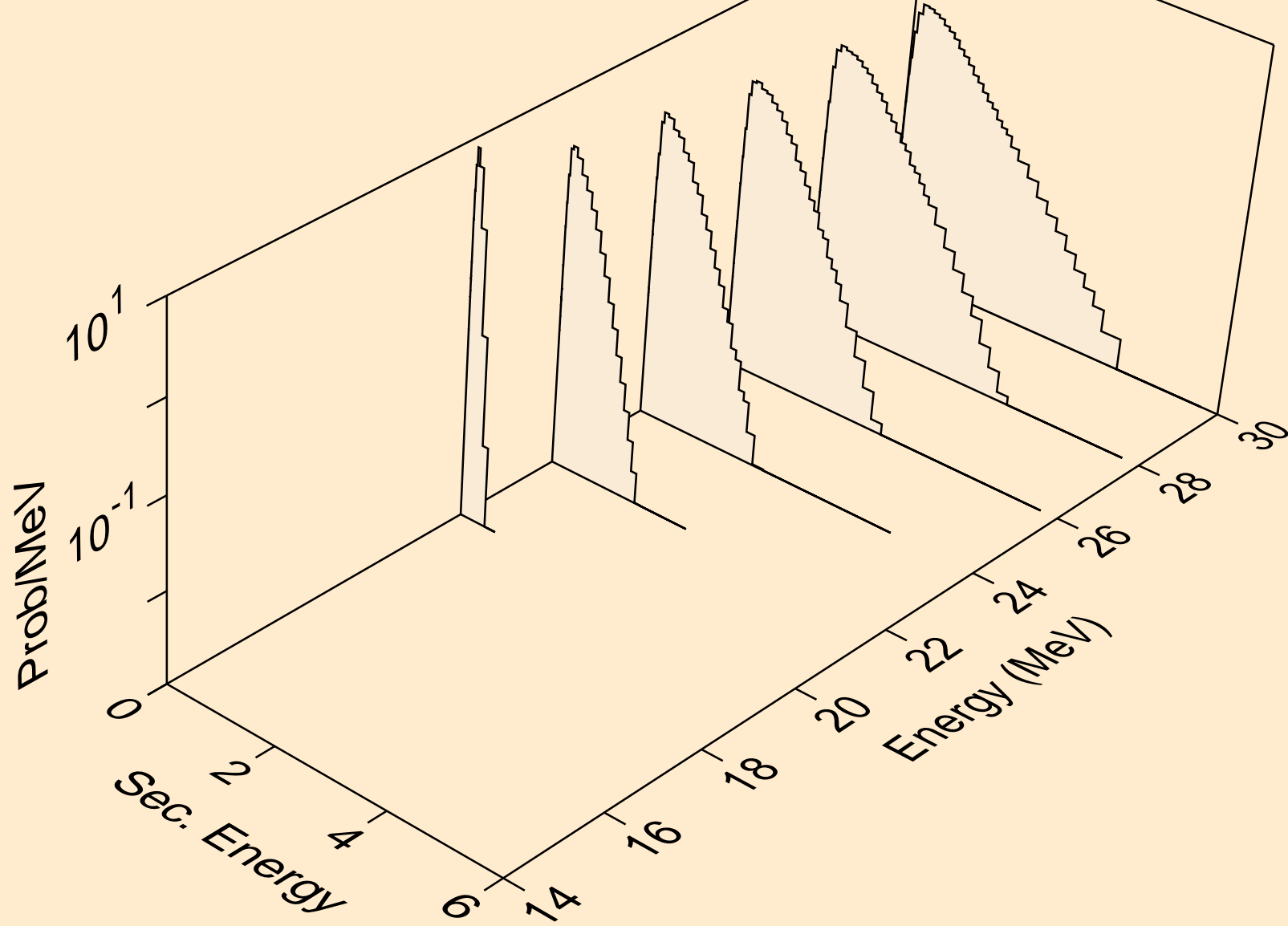
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



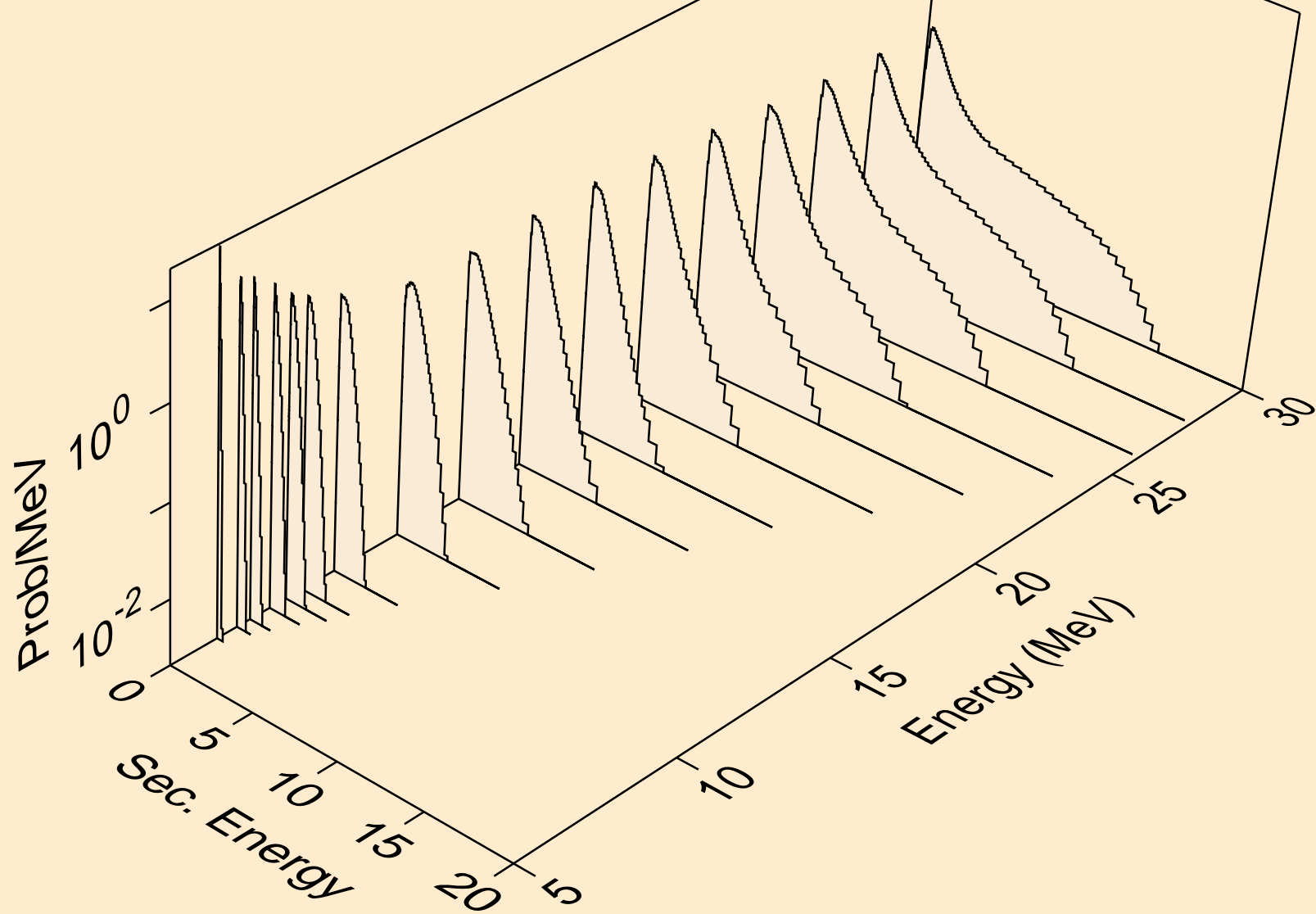
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



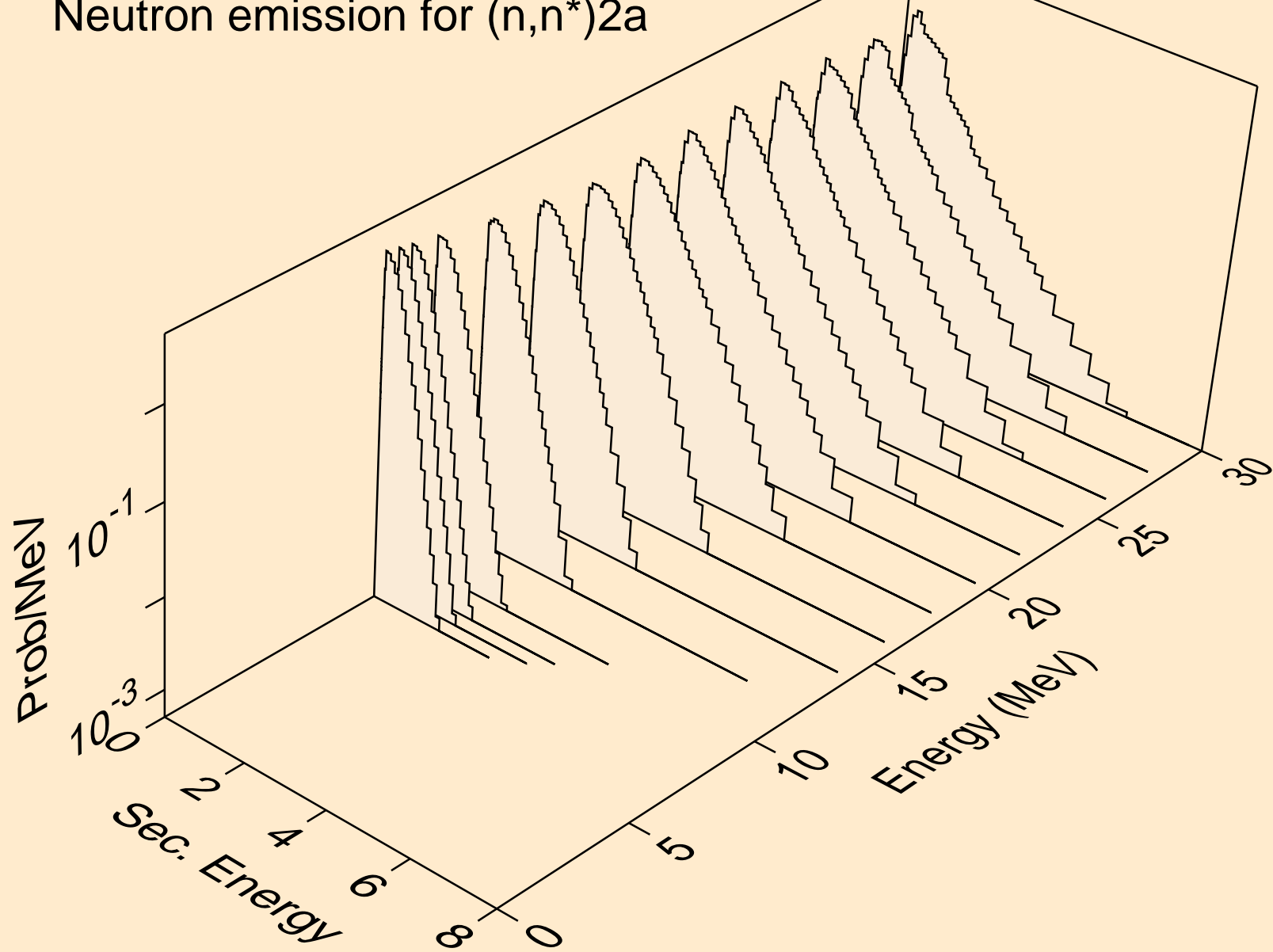
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



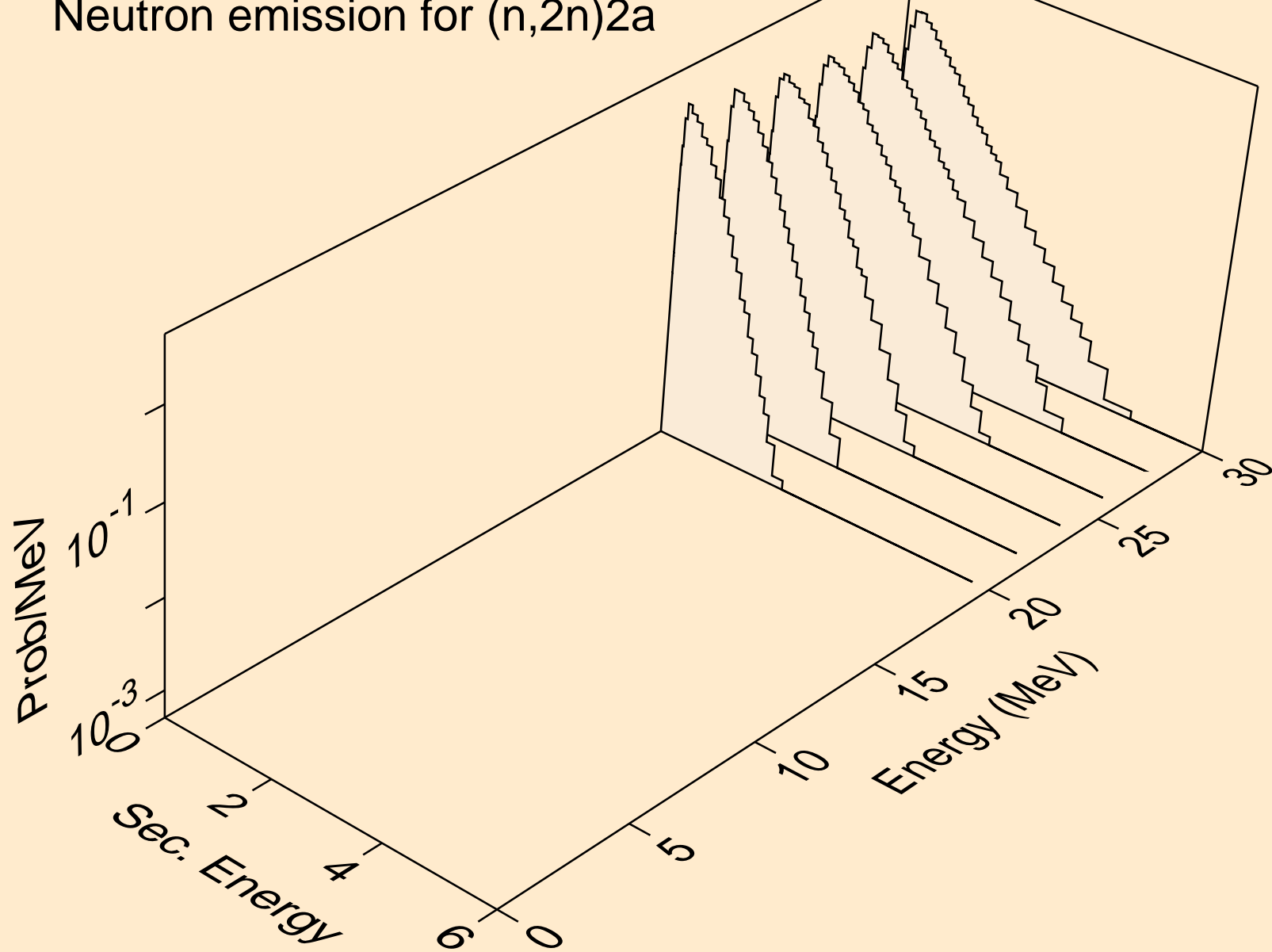
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



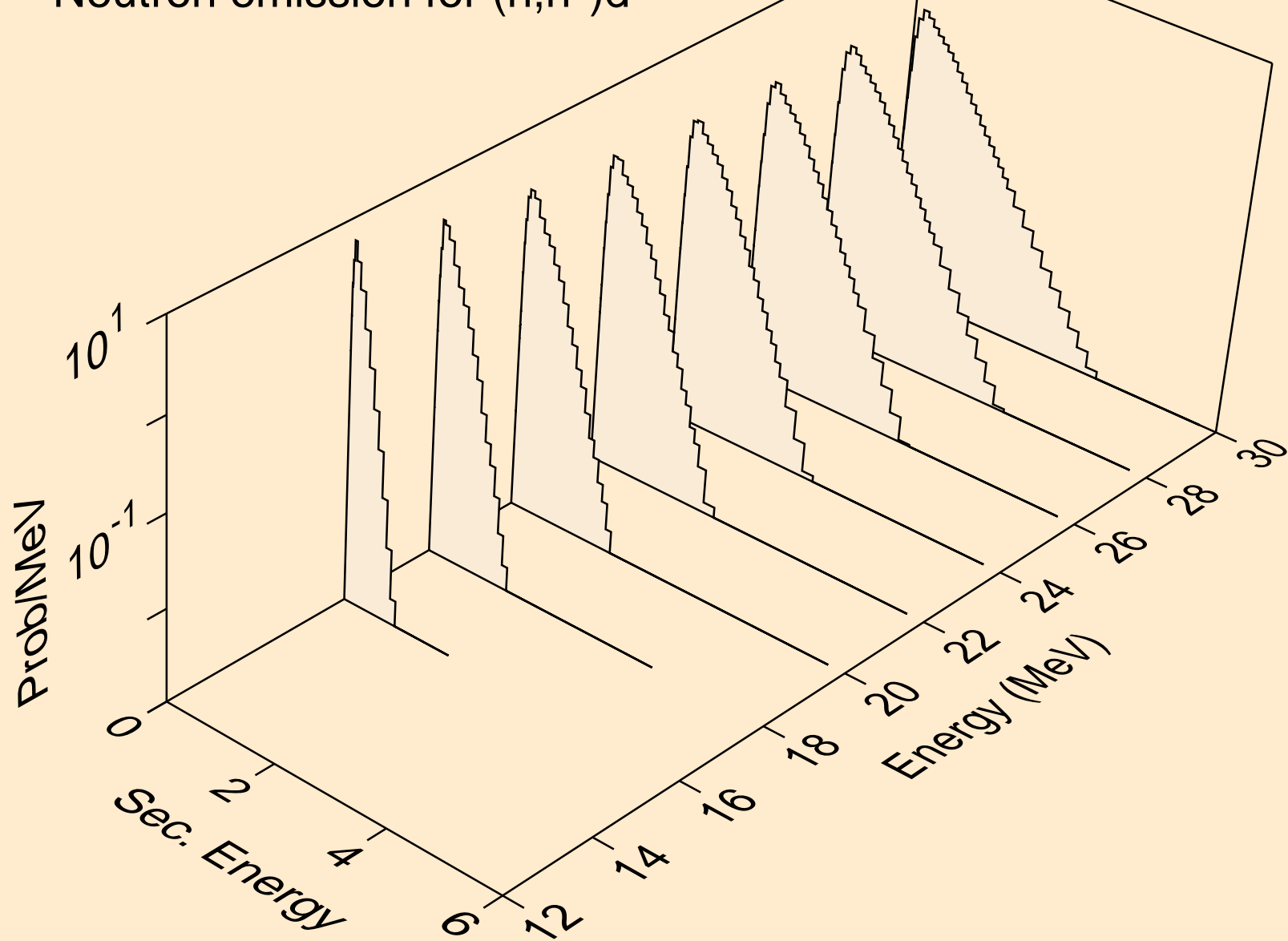
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a

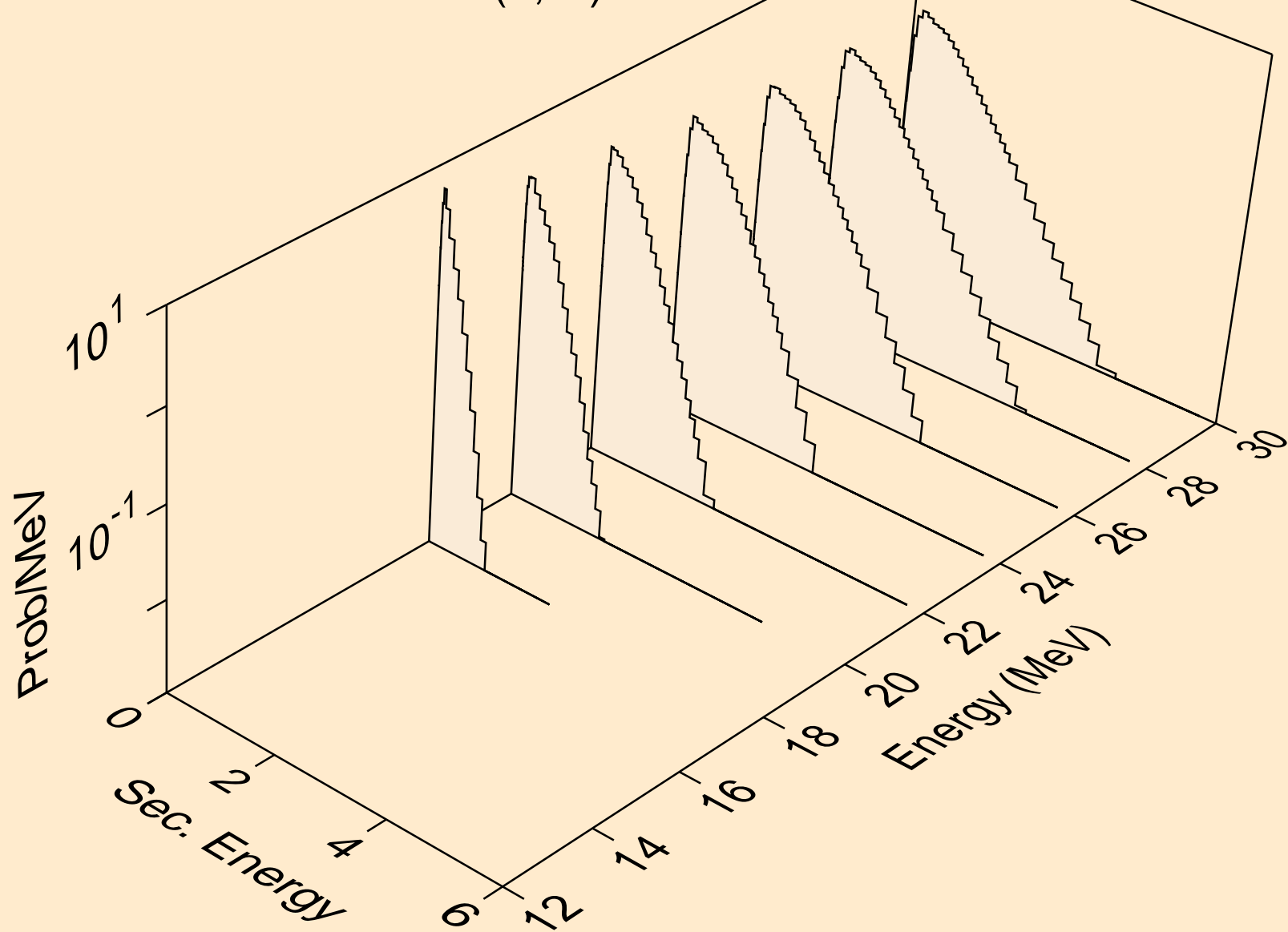


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

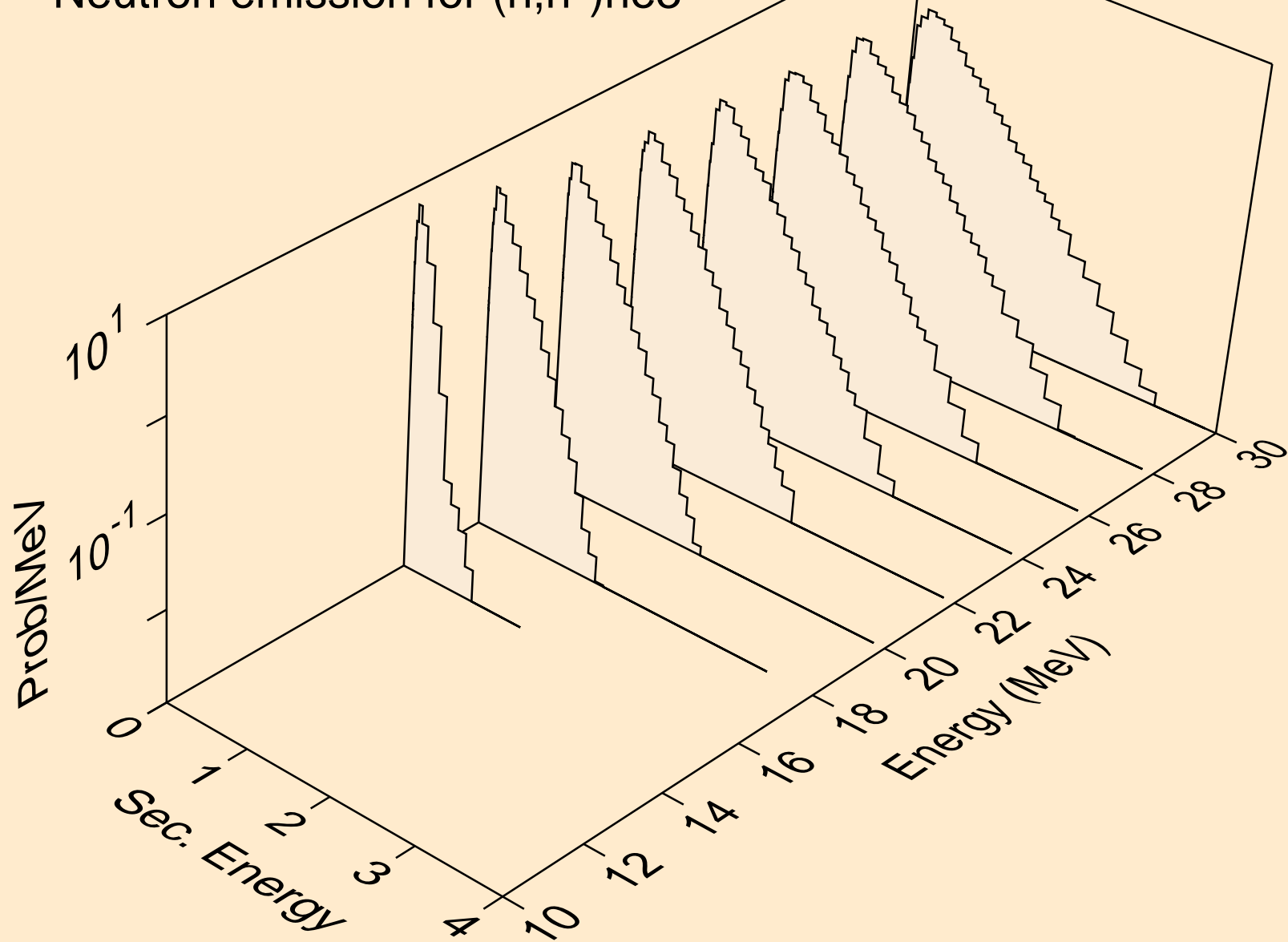




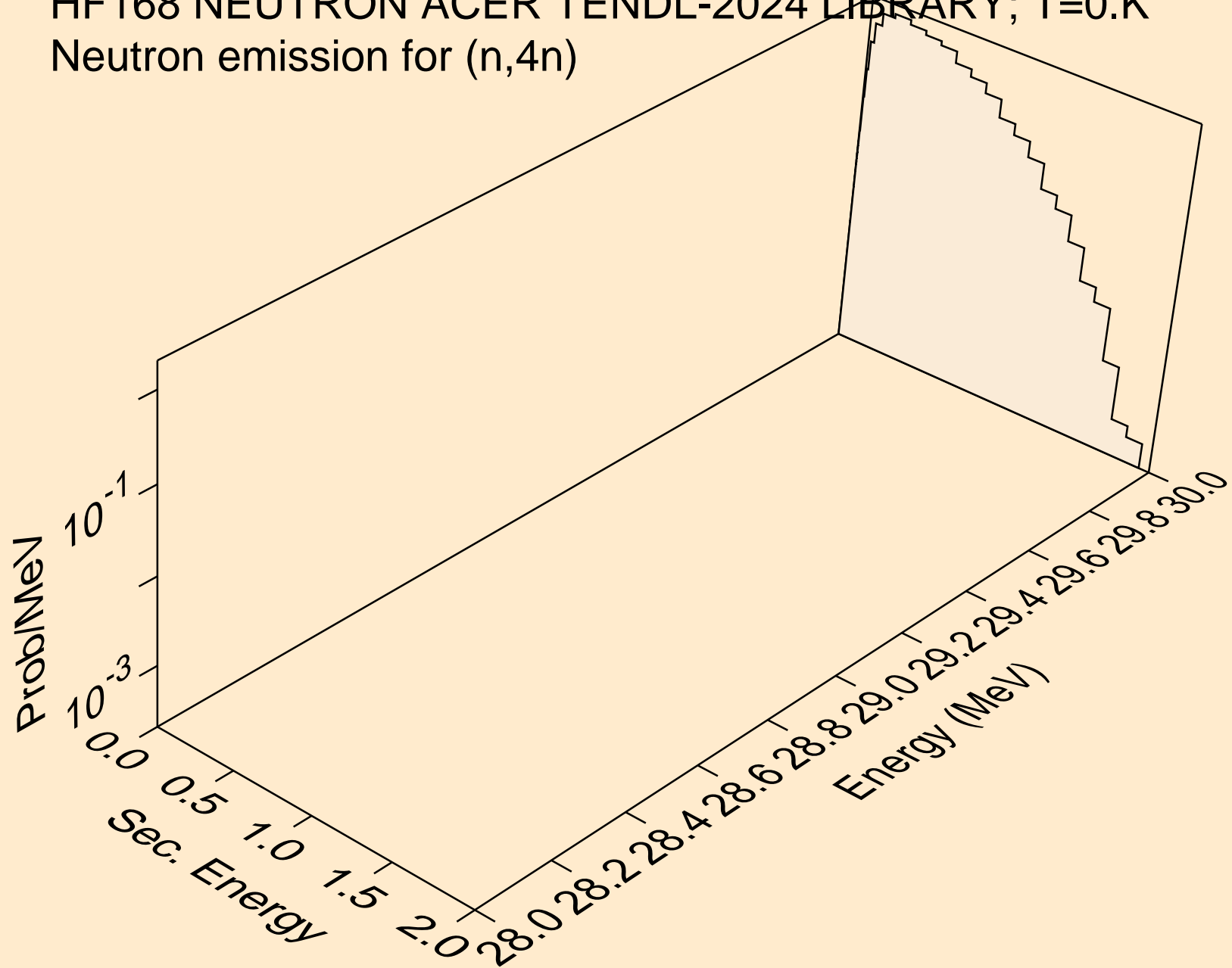
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



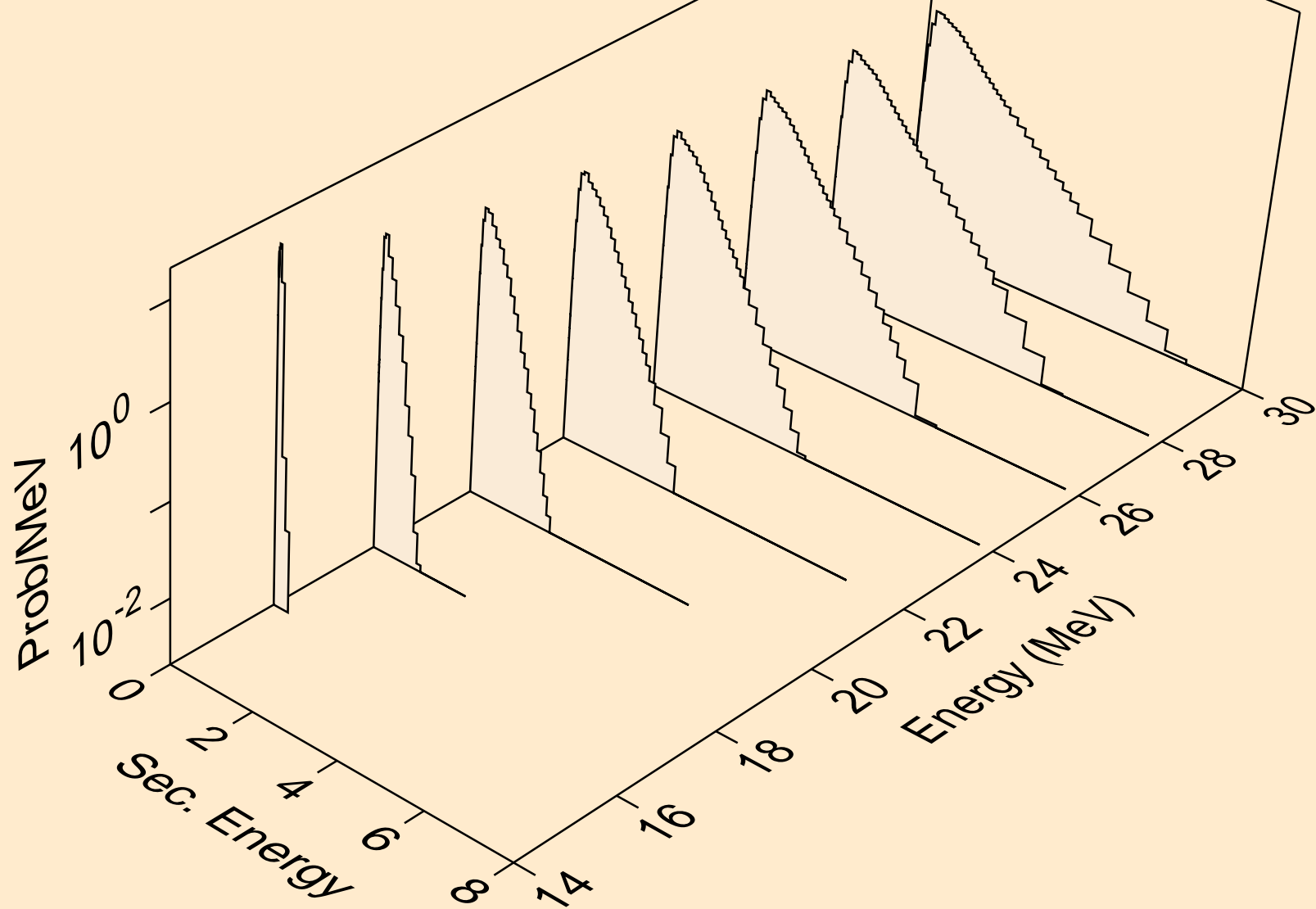
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



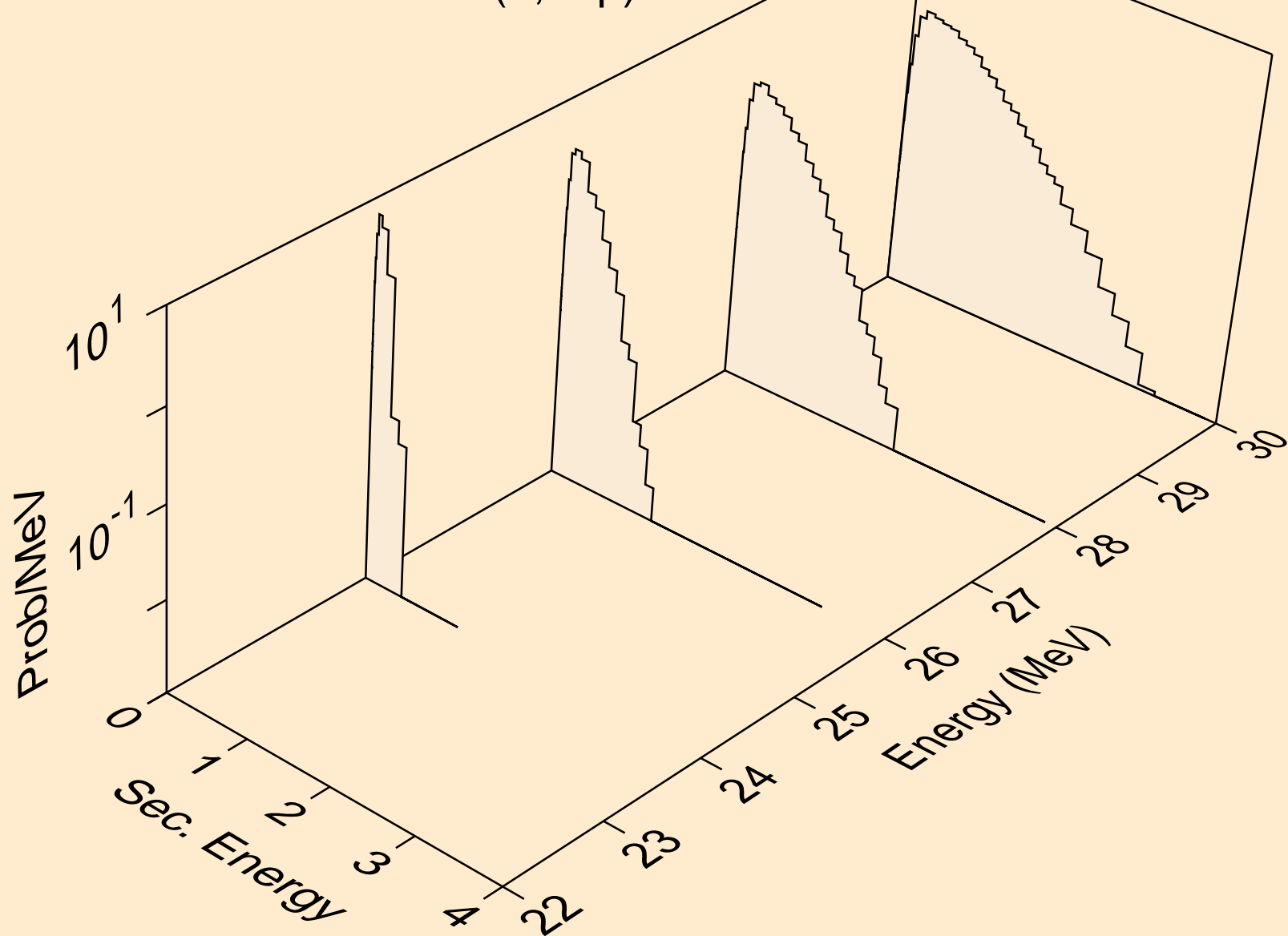
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



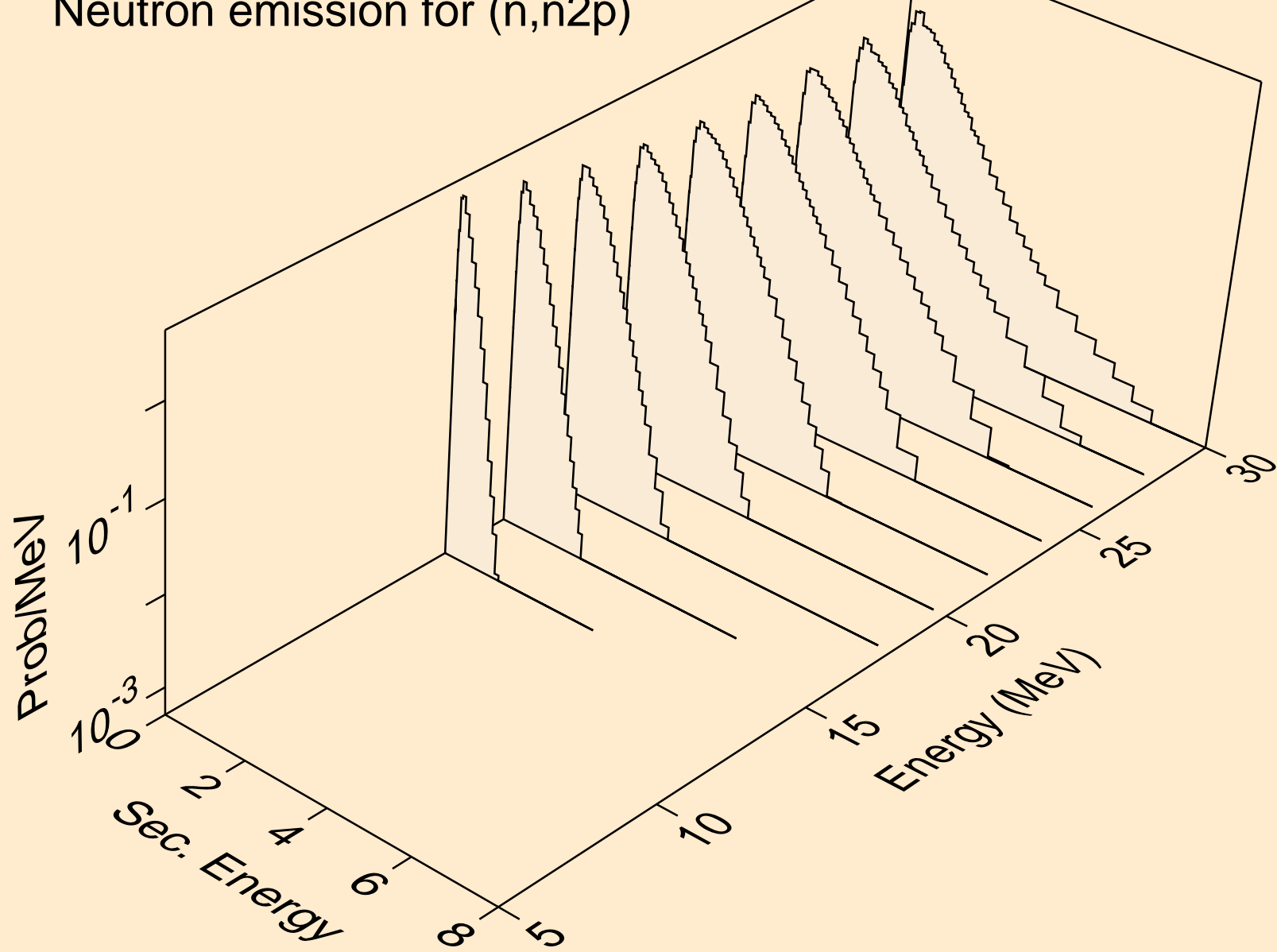
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



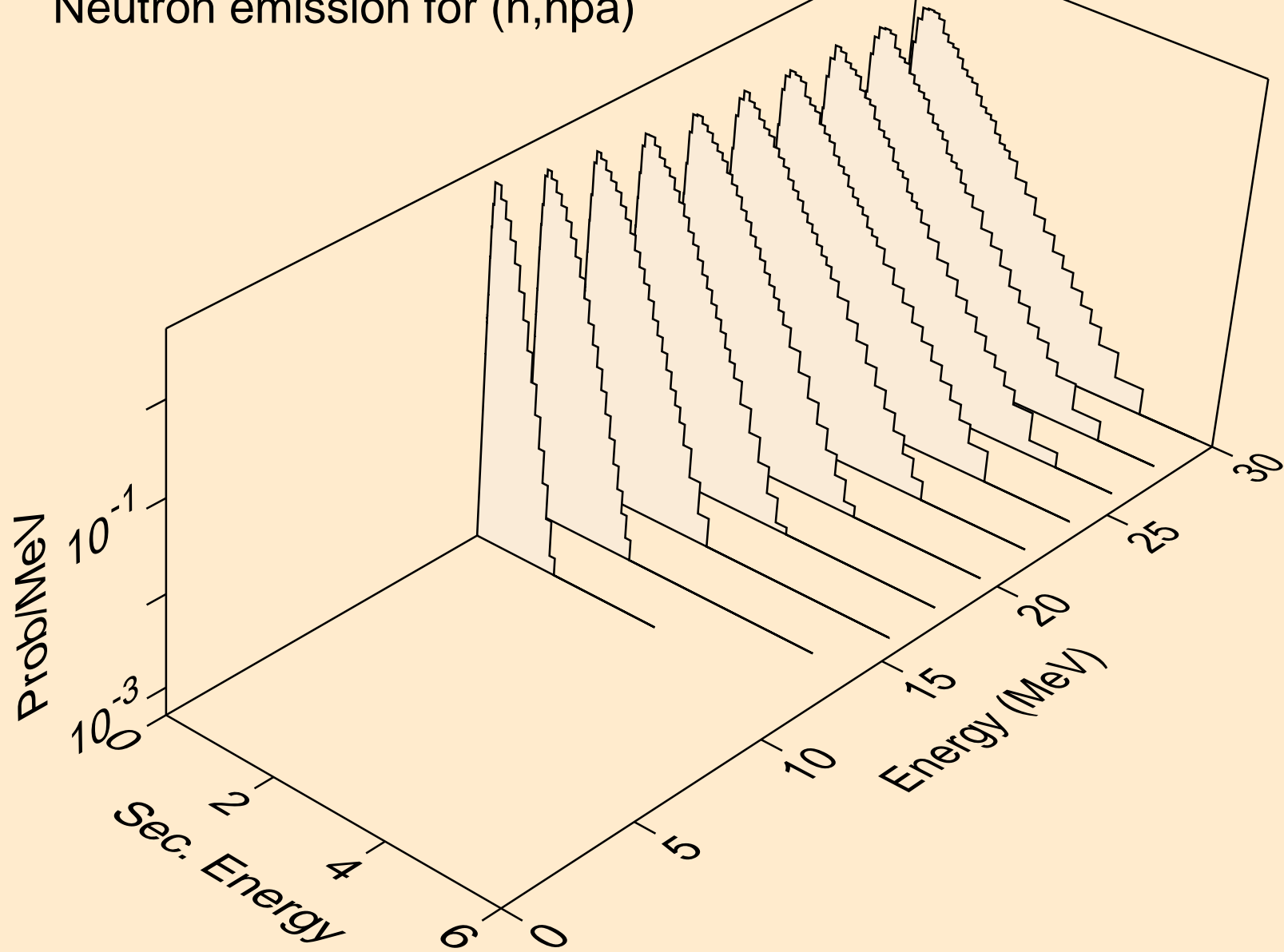
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



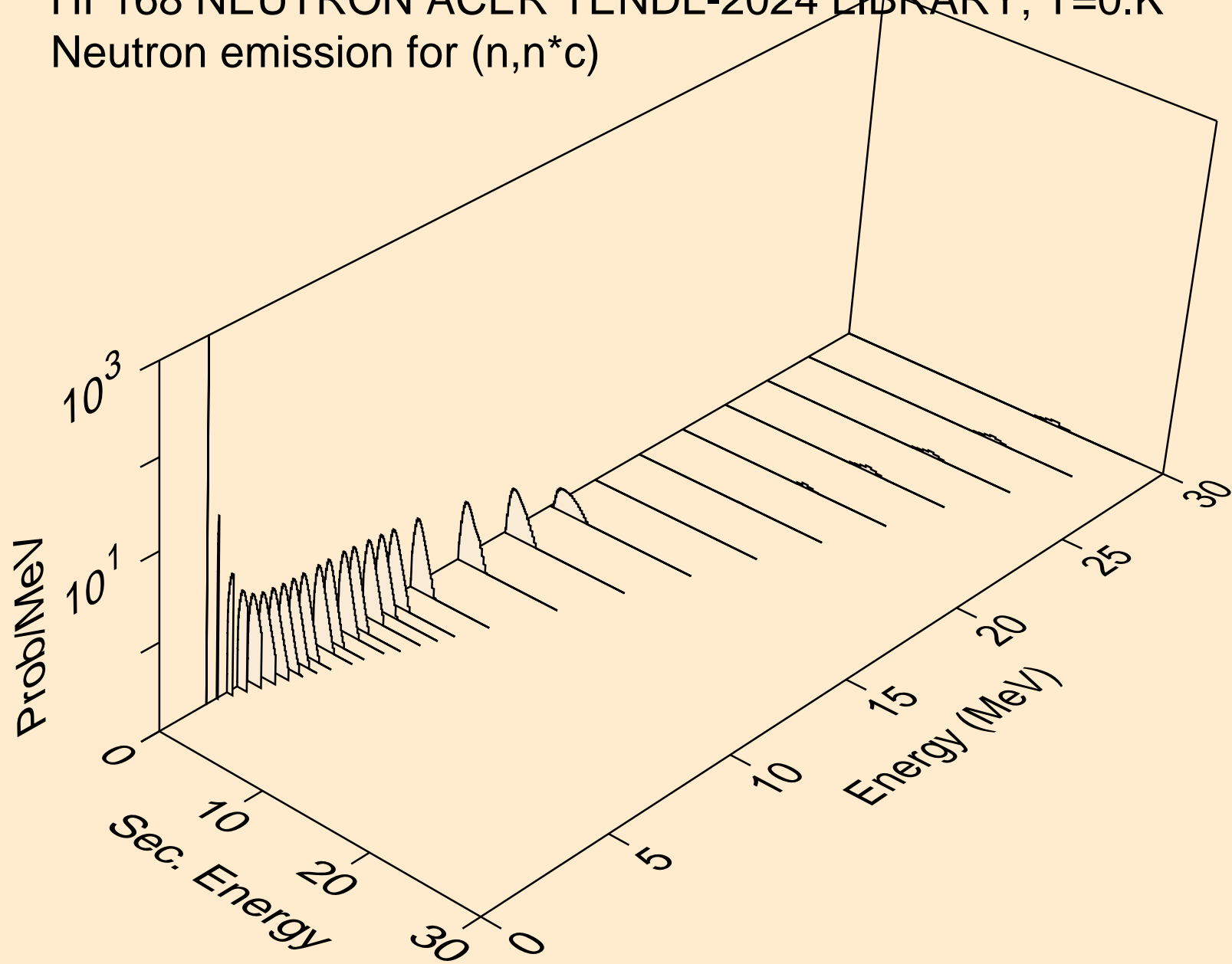
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

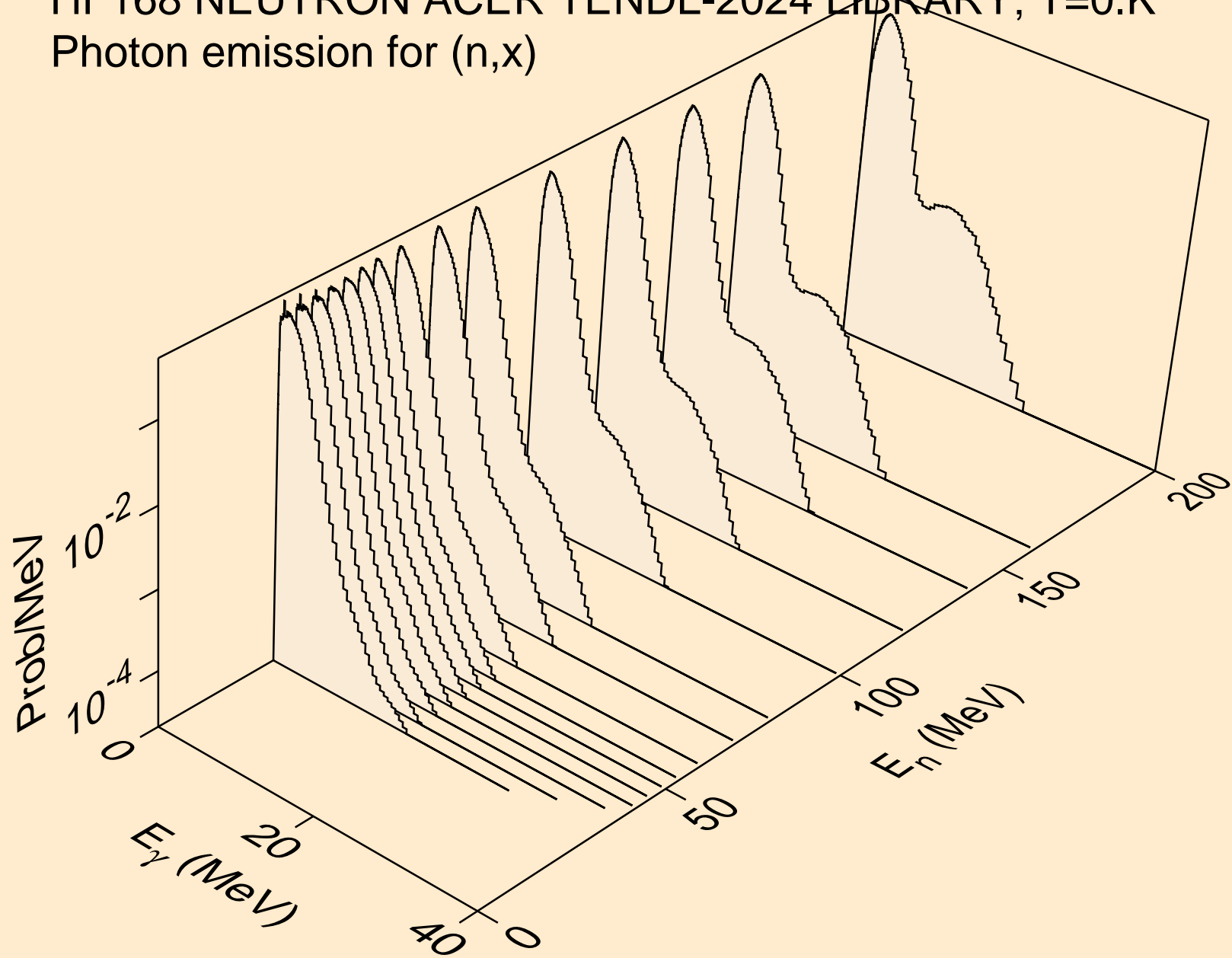


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

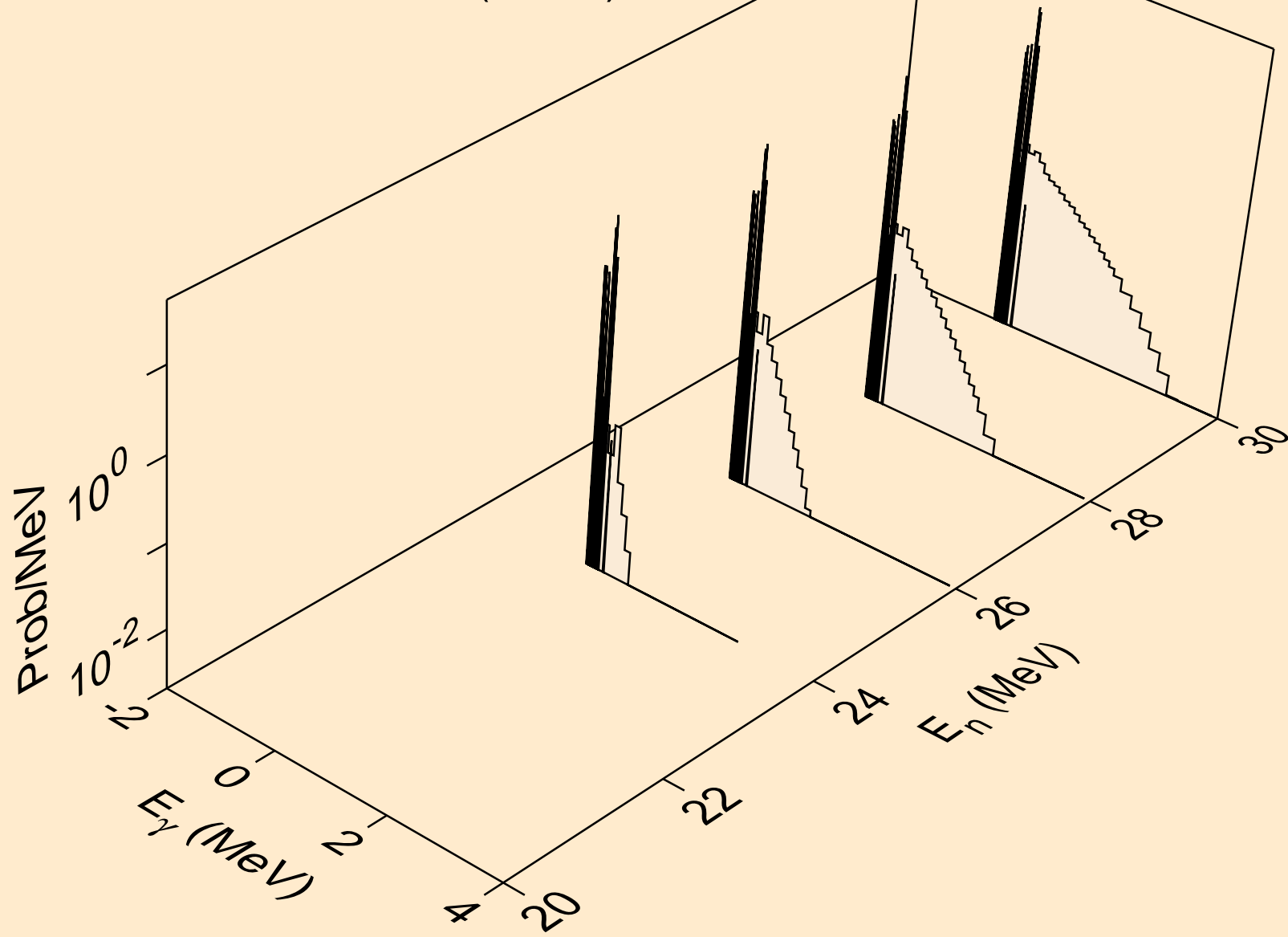




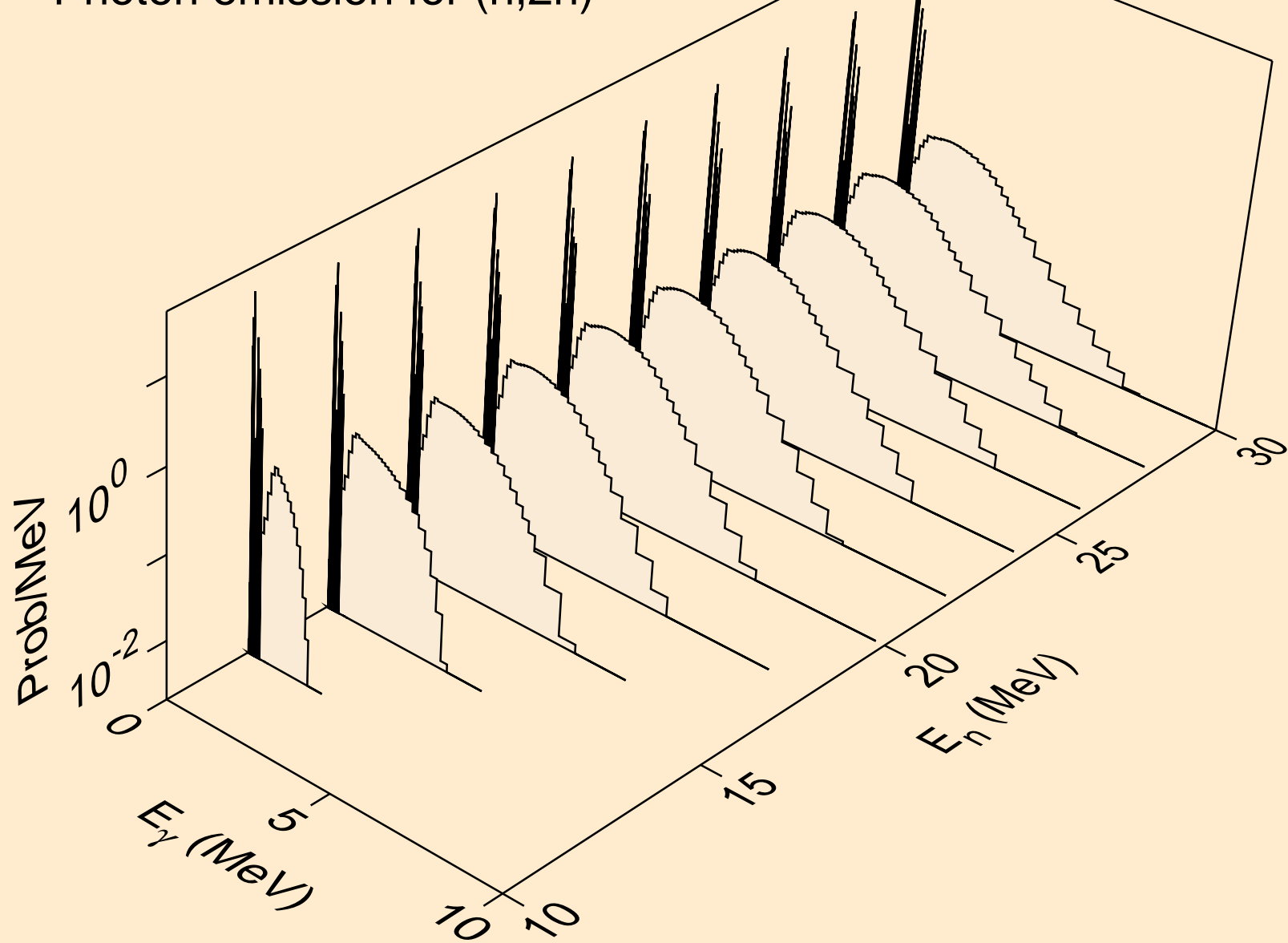
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



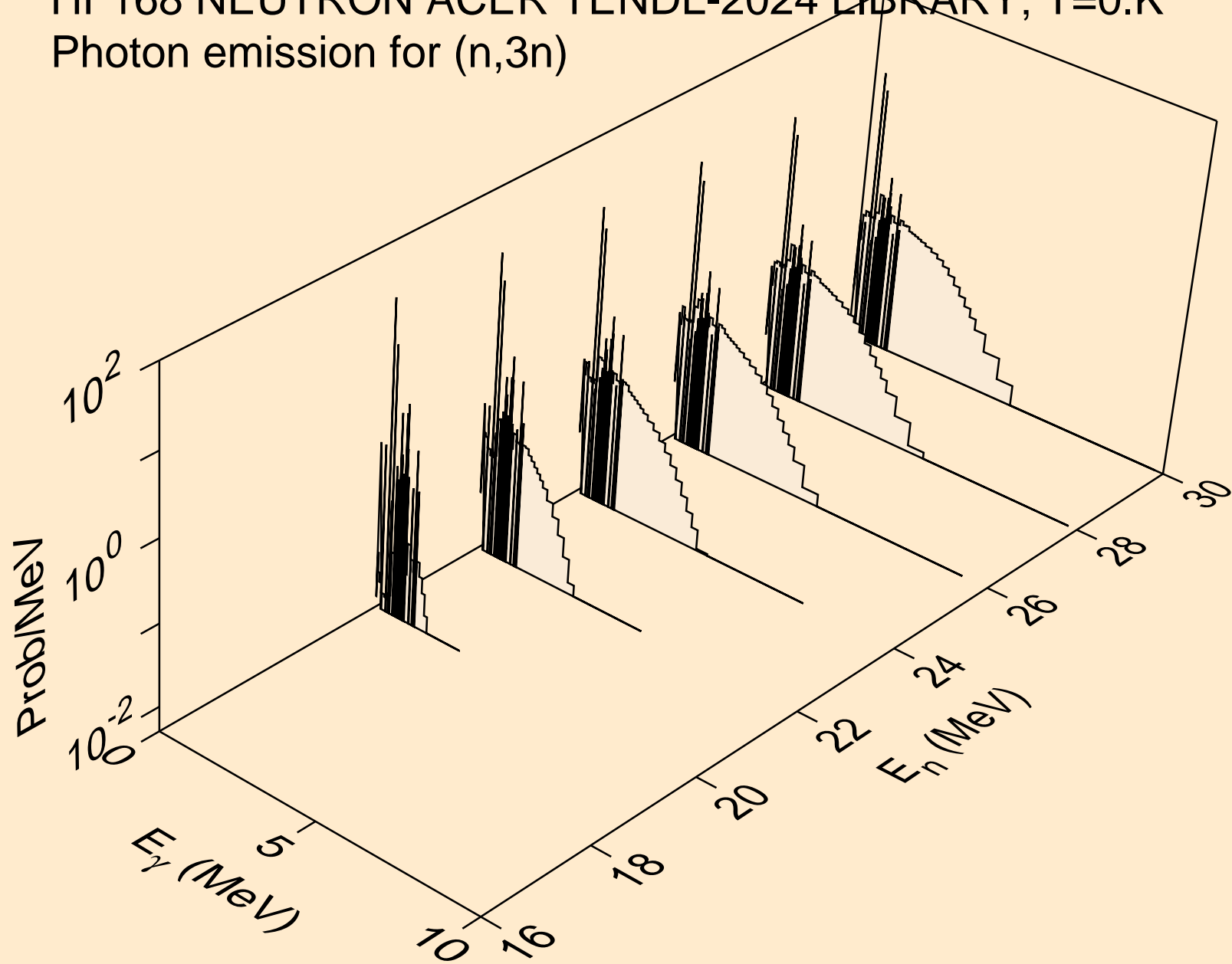
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



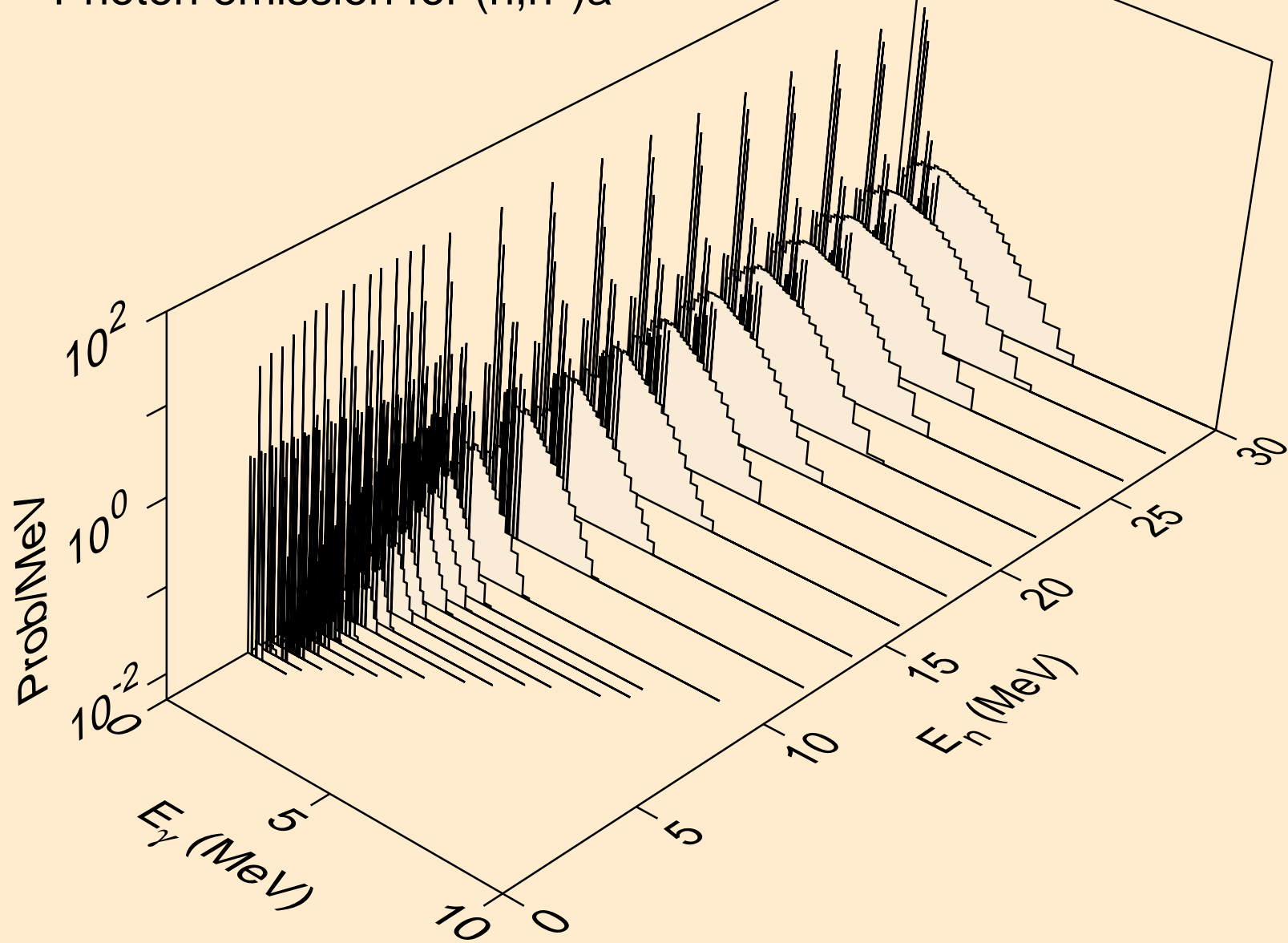
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Photon emission for (n,2n)



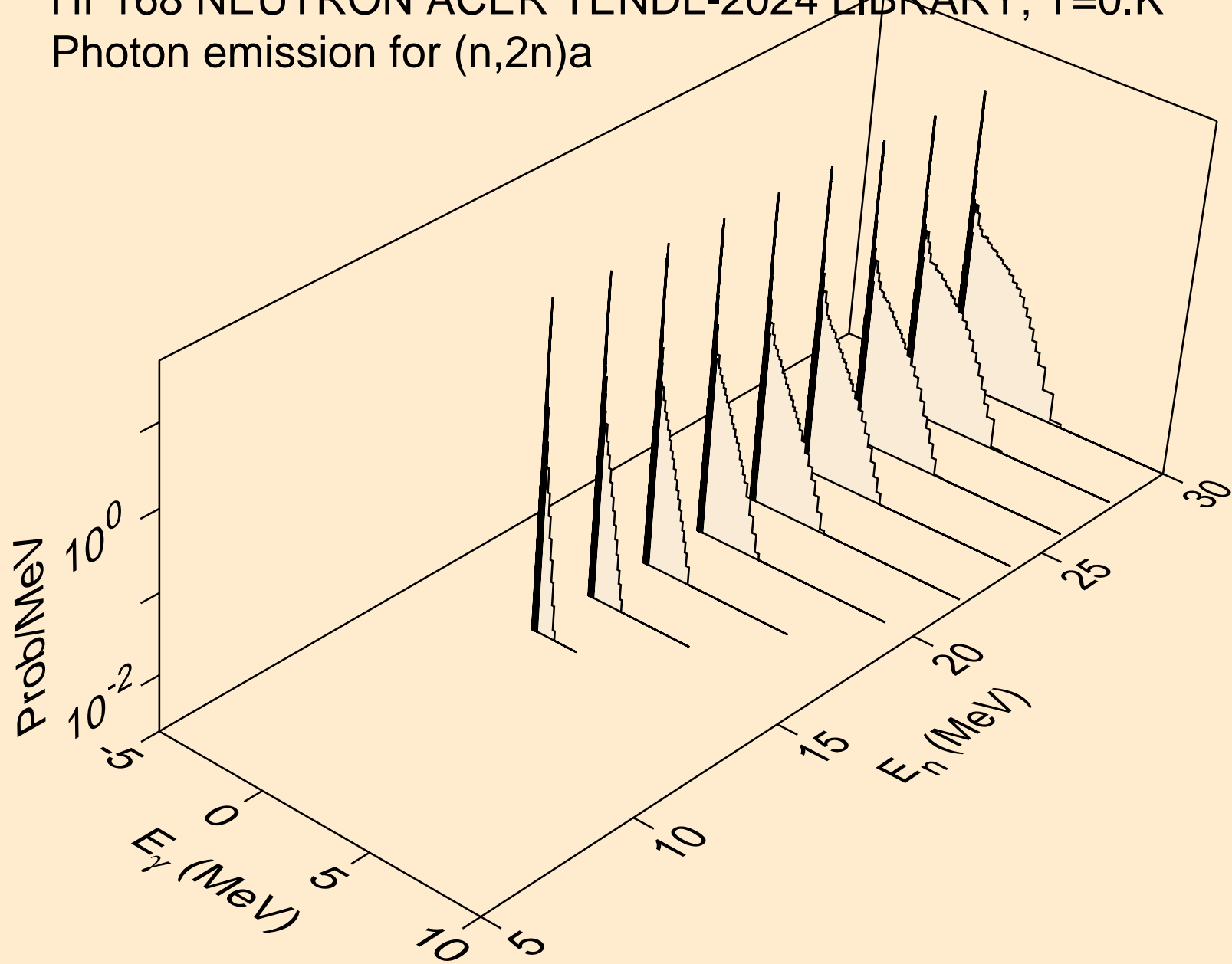
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Photon emission for (n,3n)



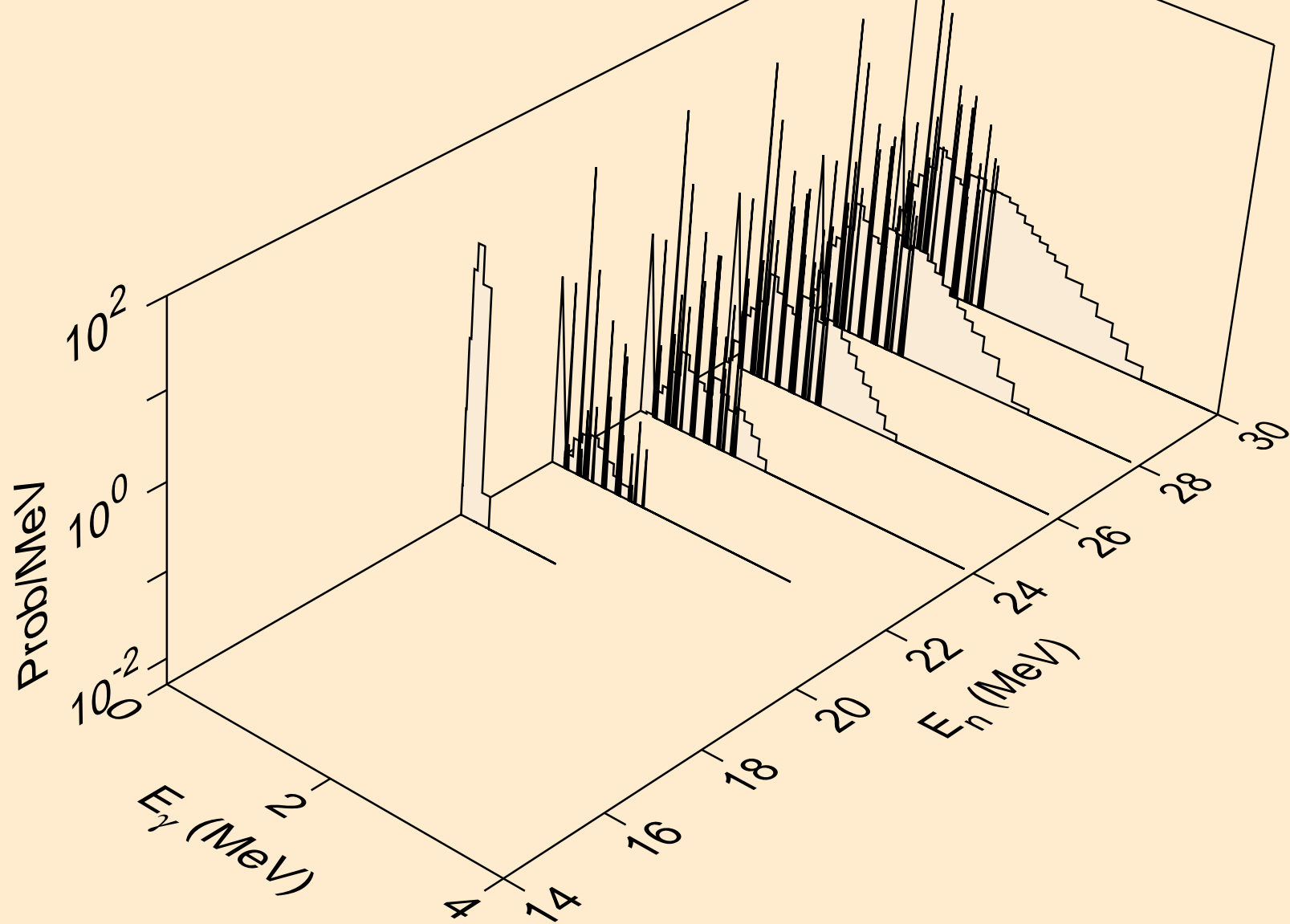
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



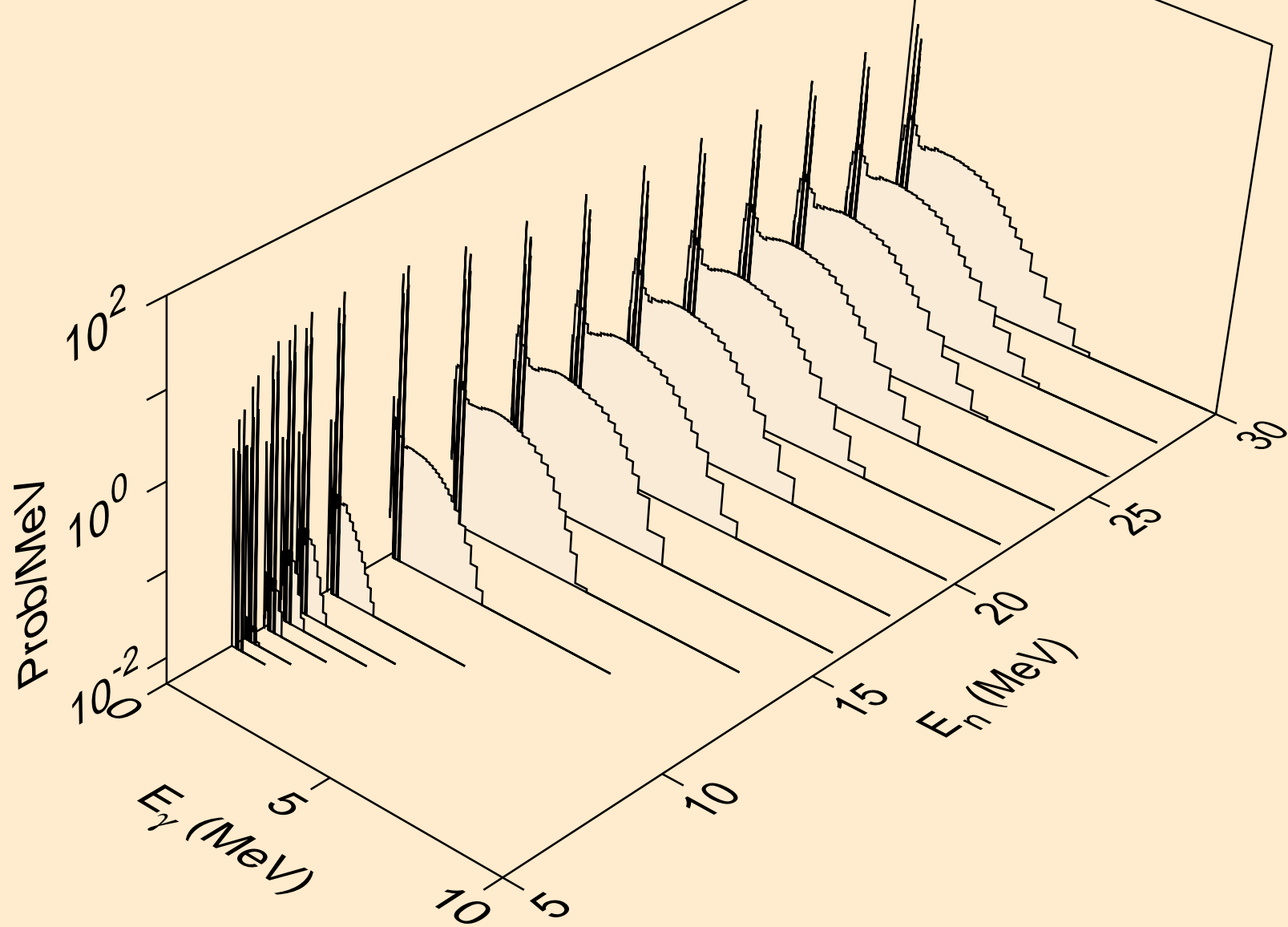
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

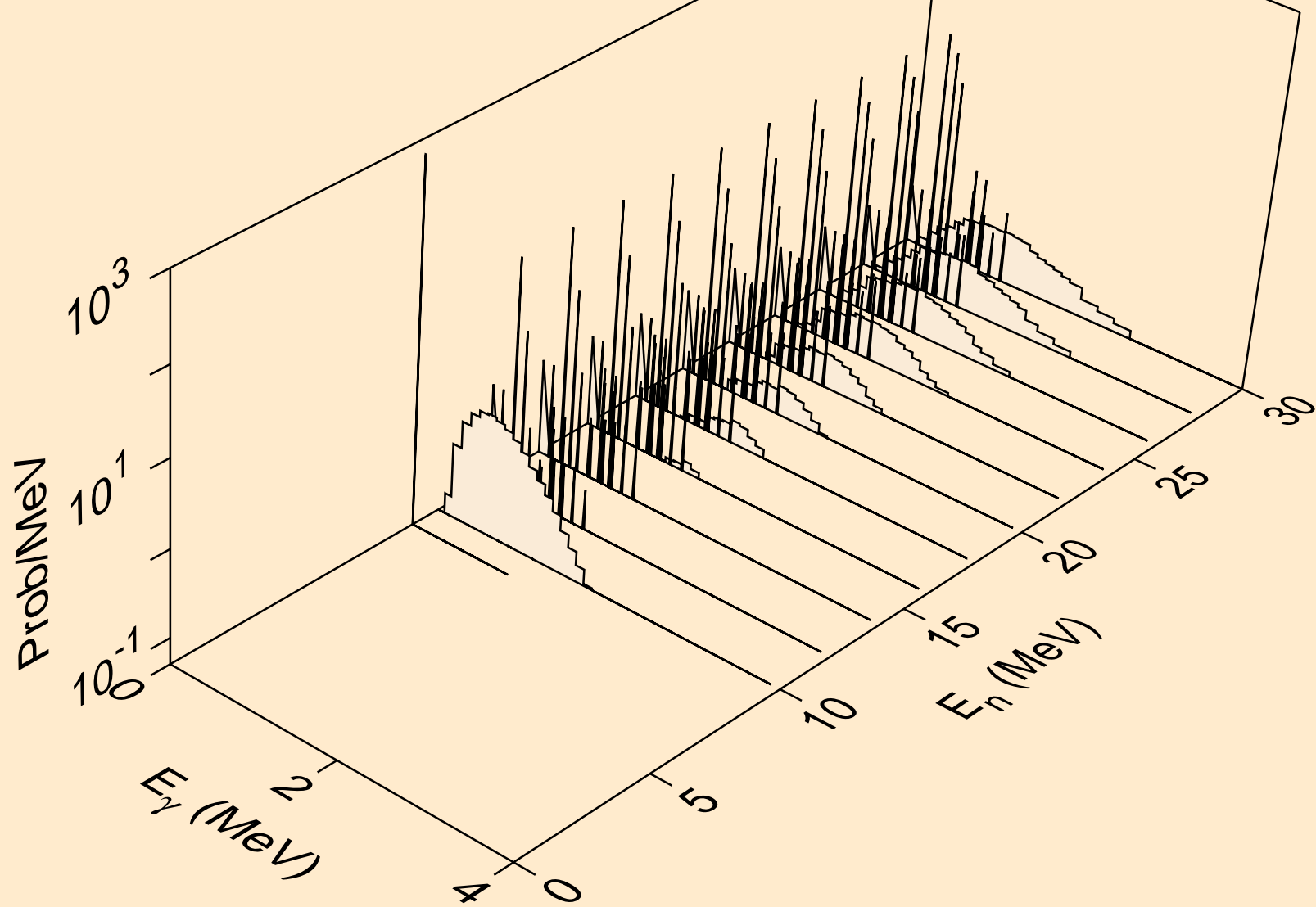


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

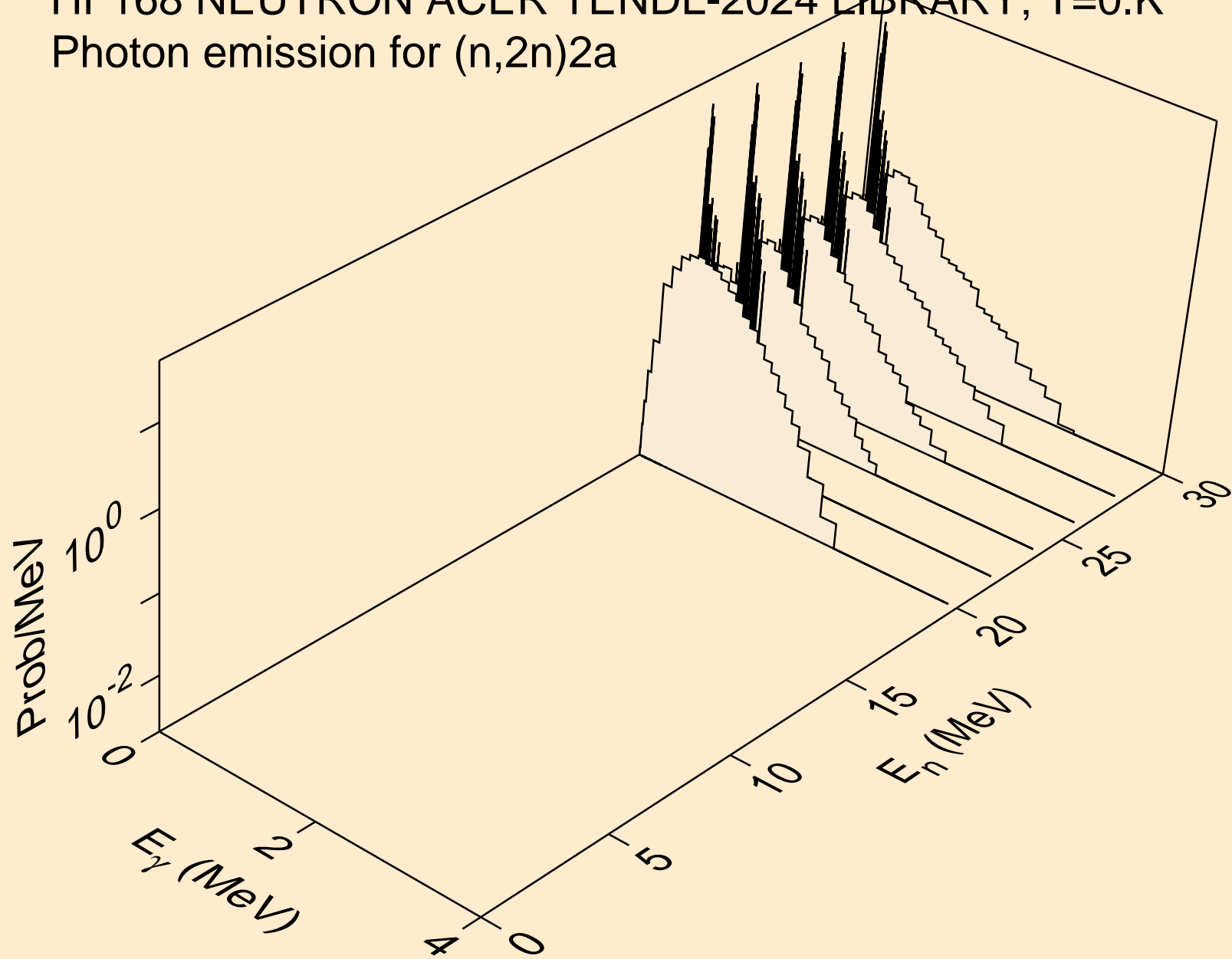




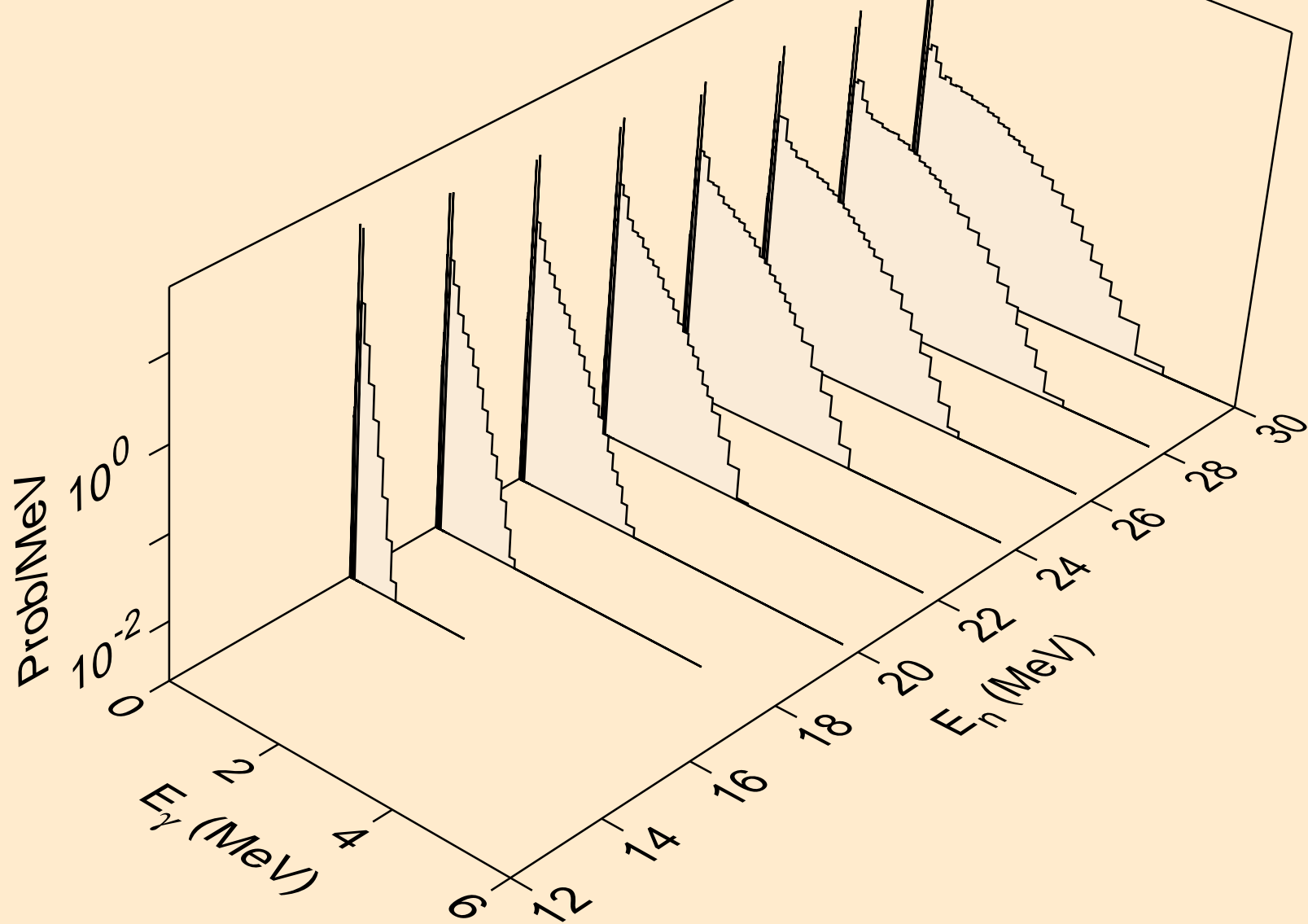
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



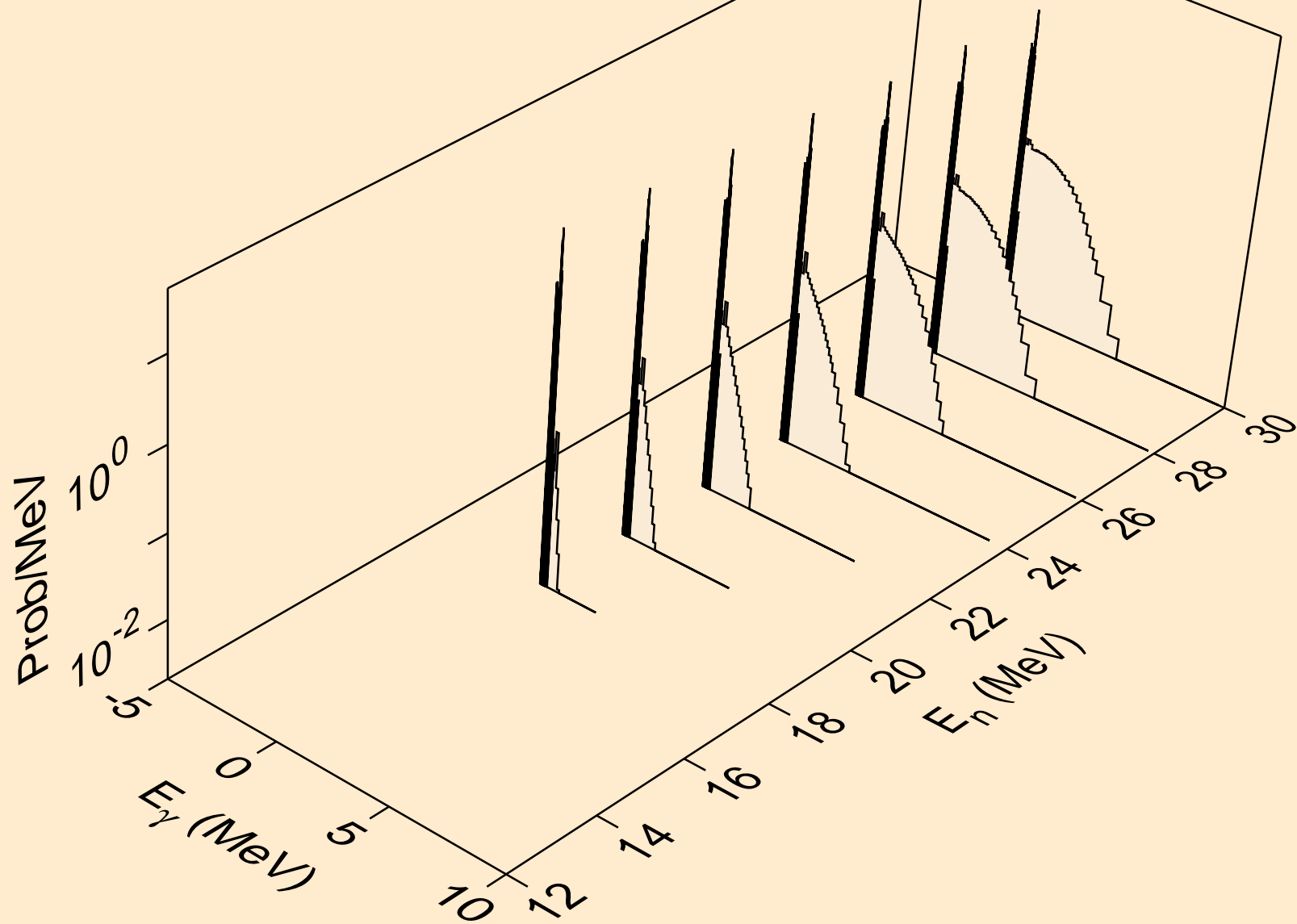
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



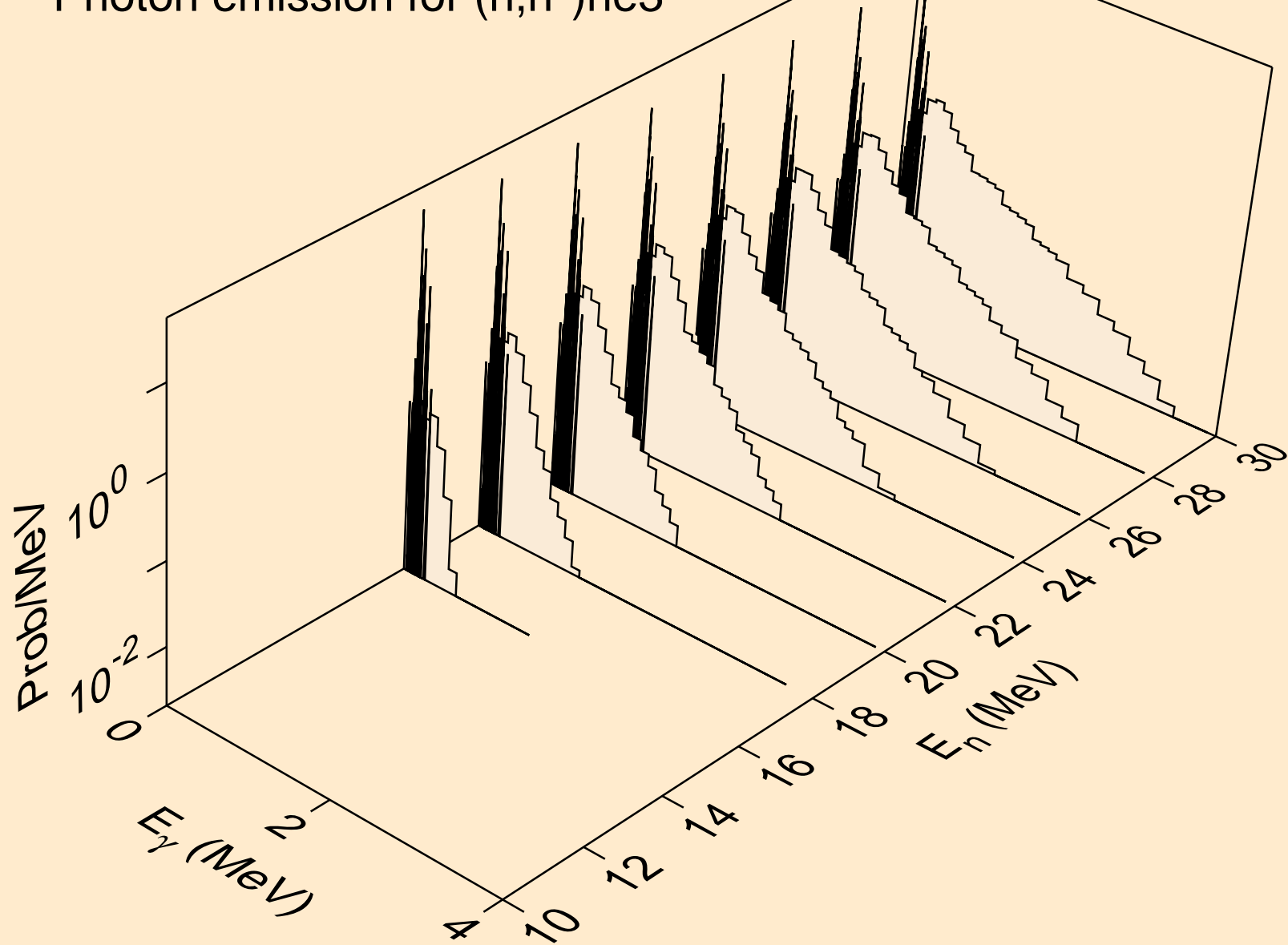
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



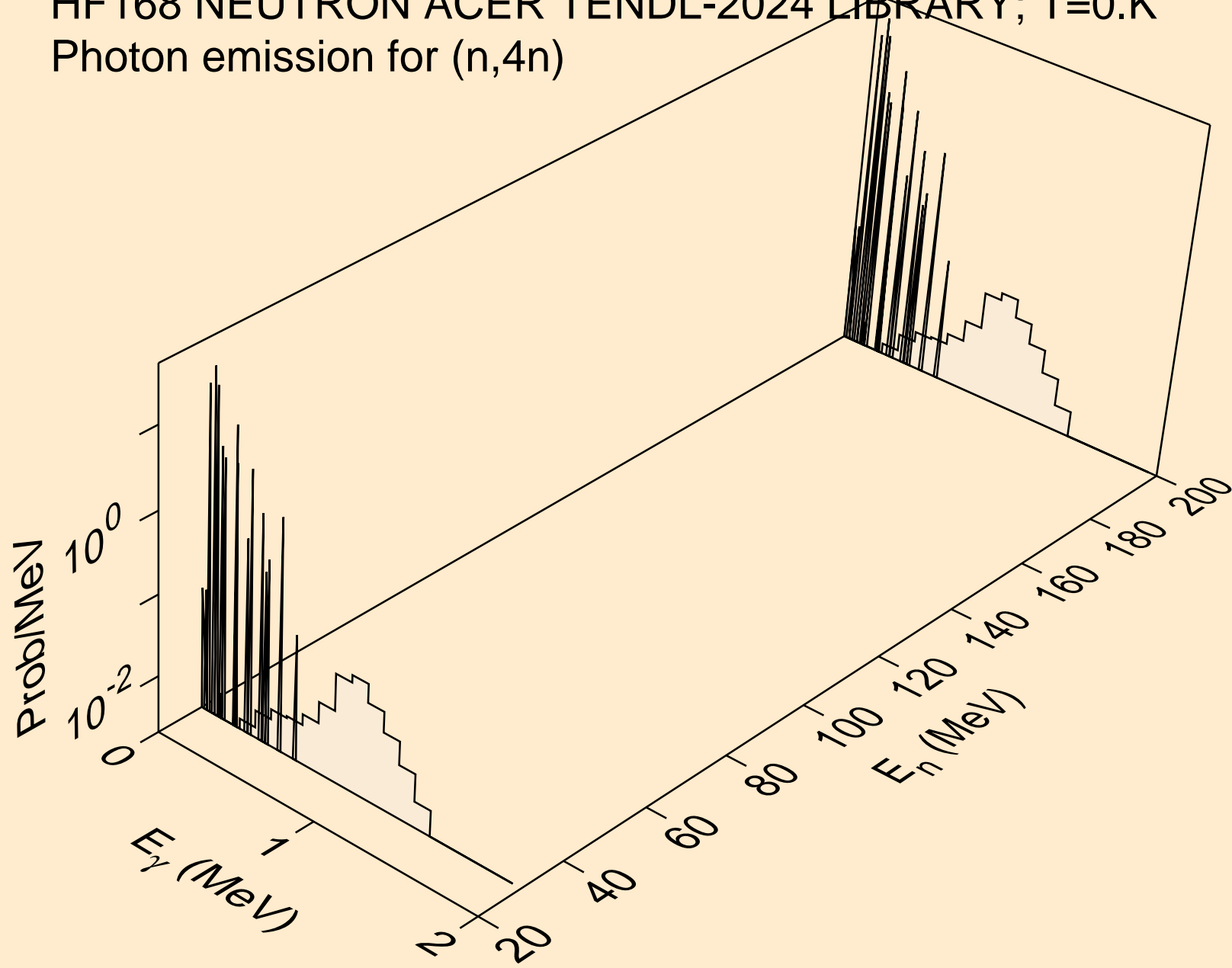
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



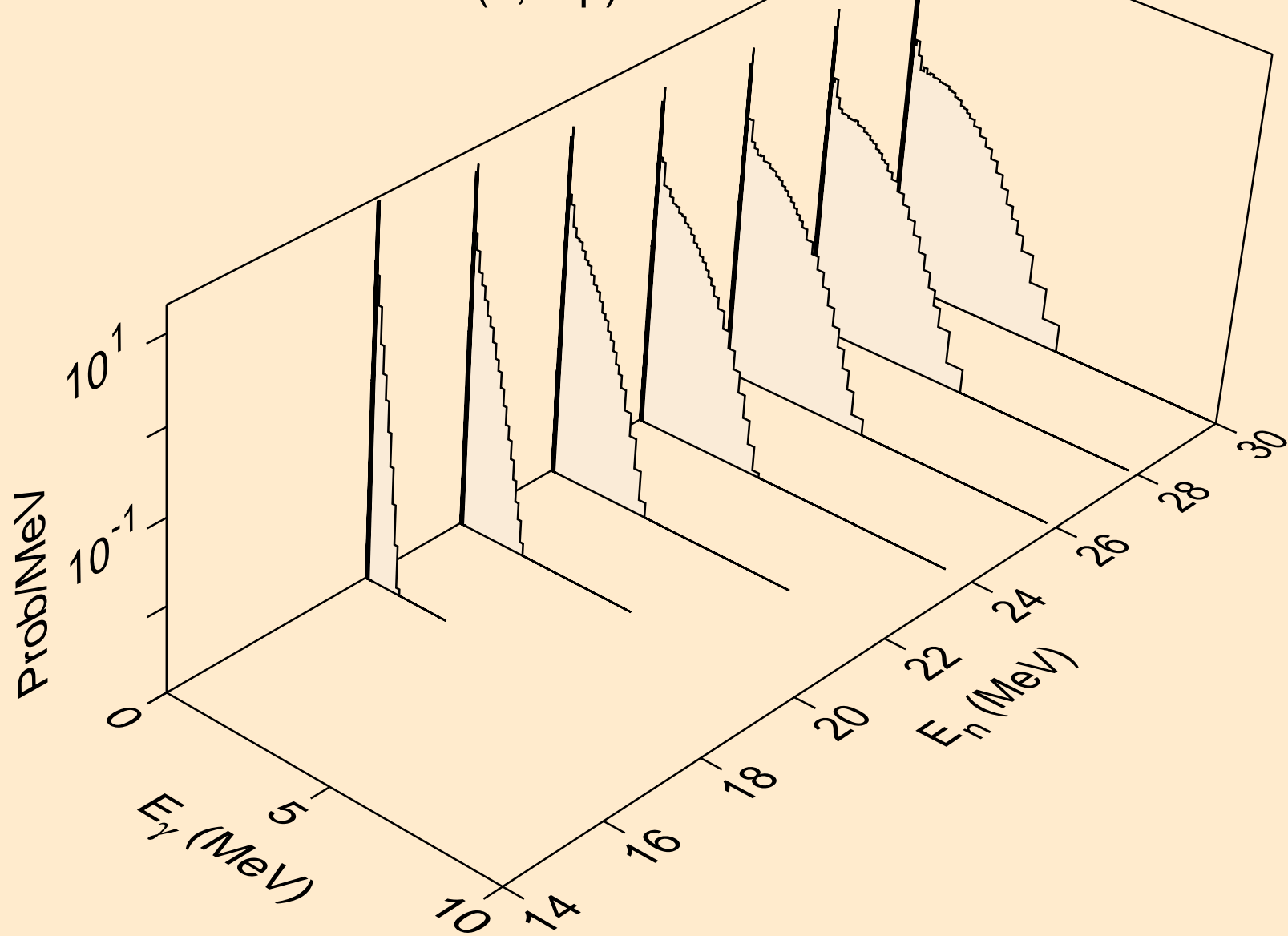
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



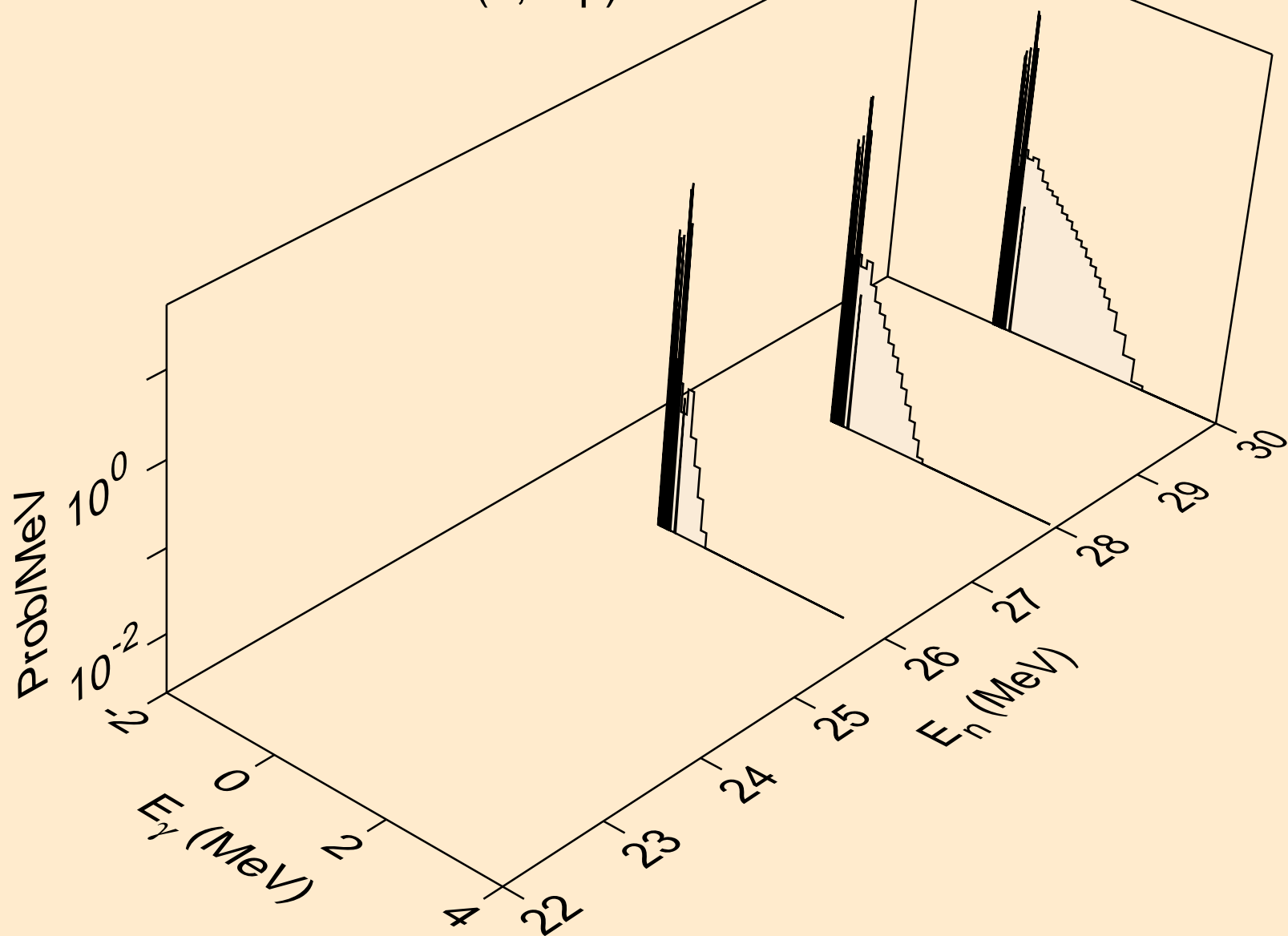
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

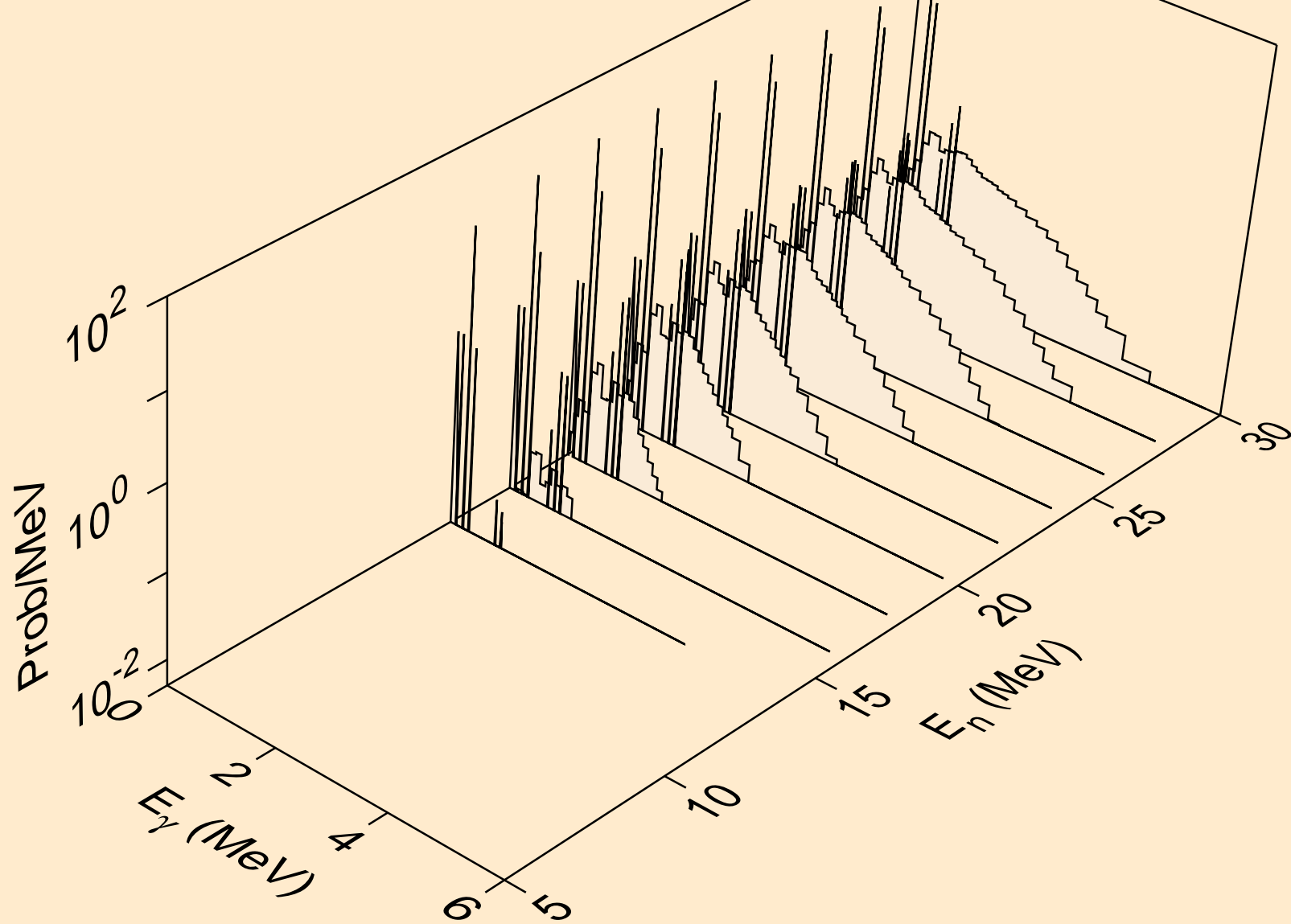


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

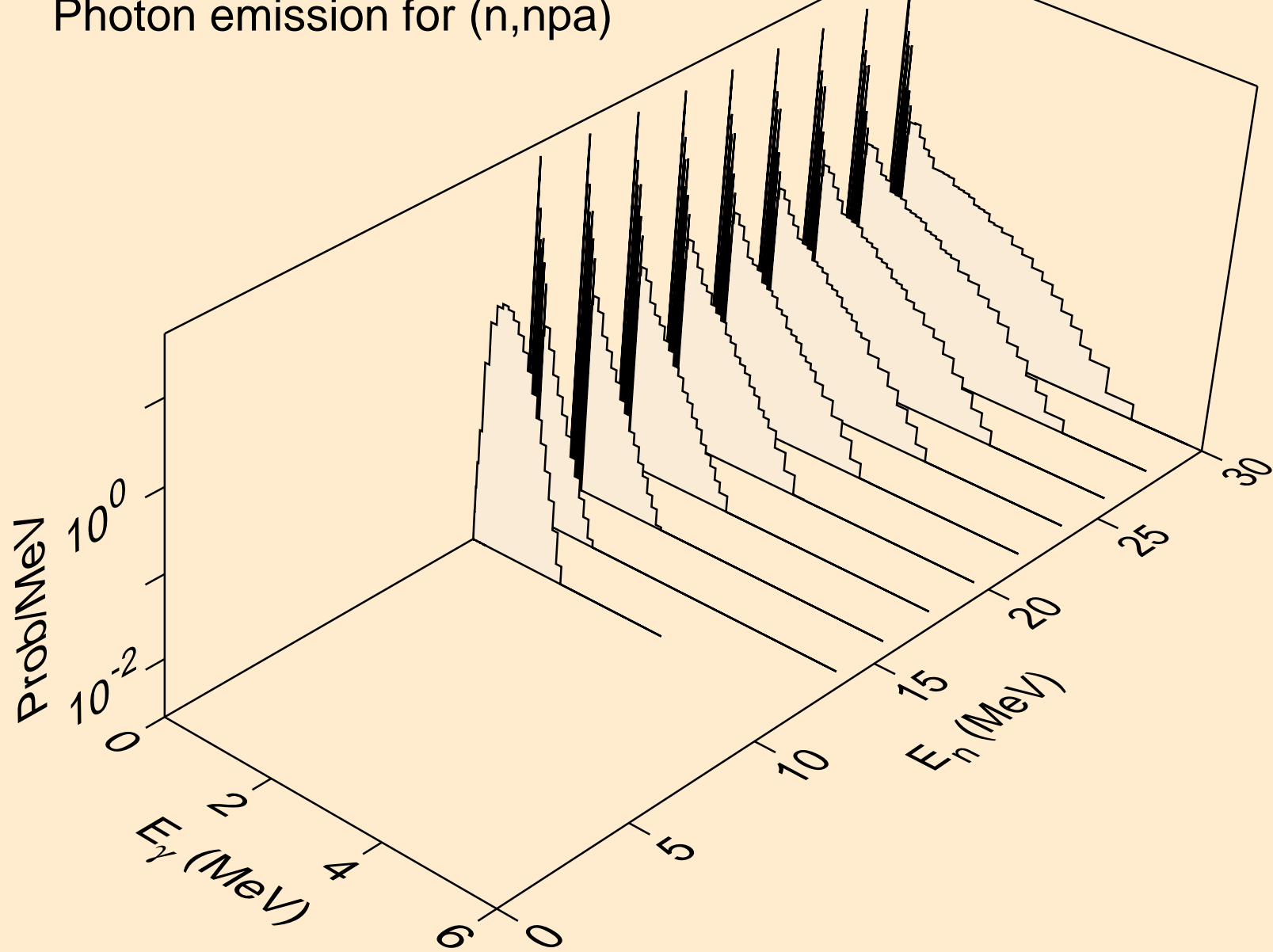




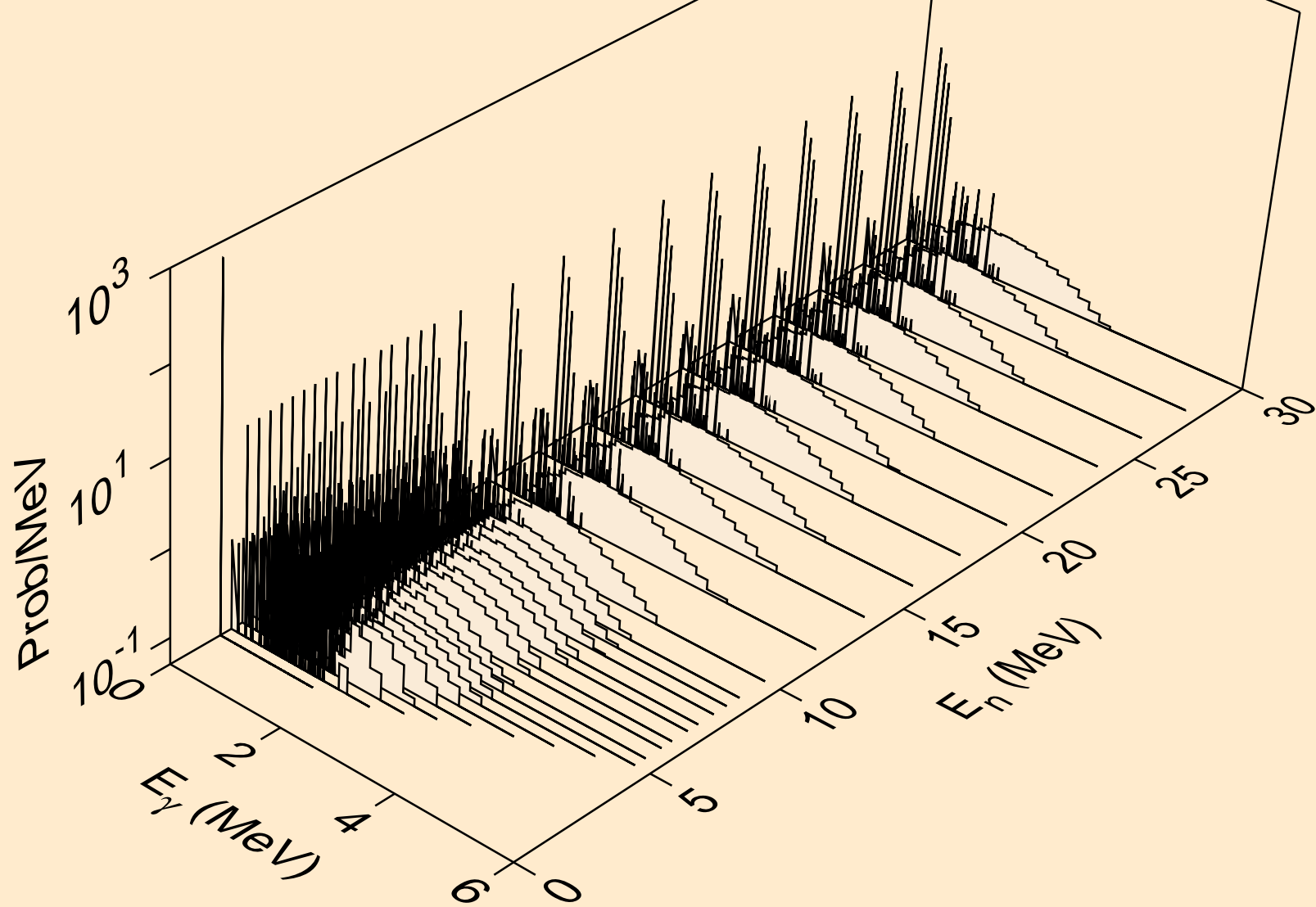
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



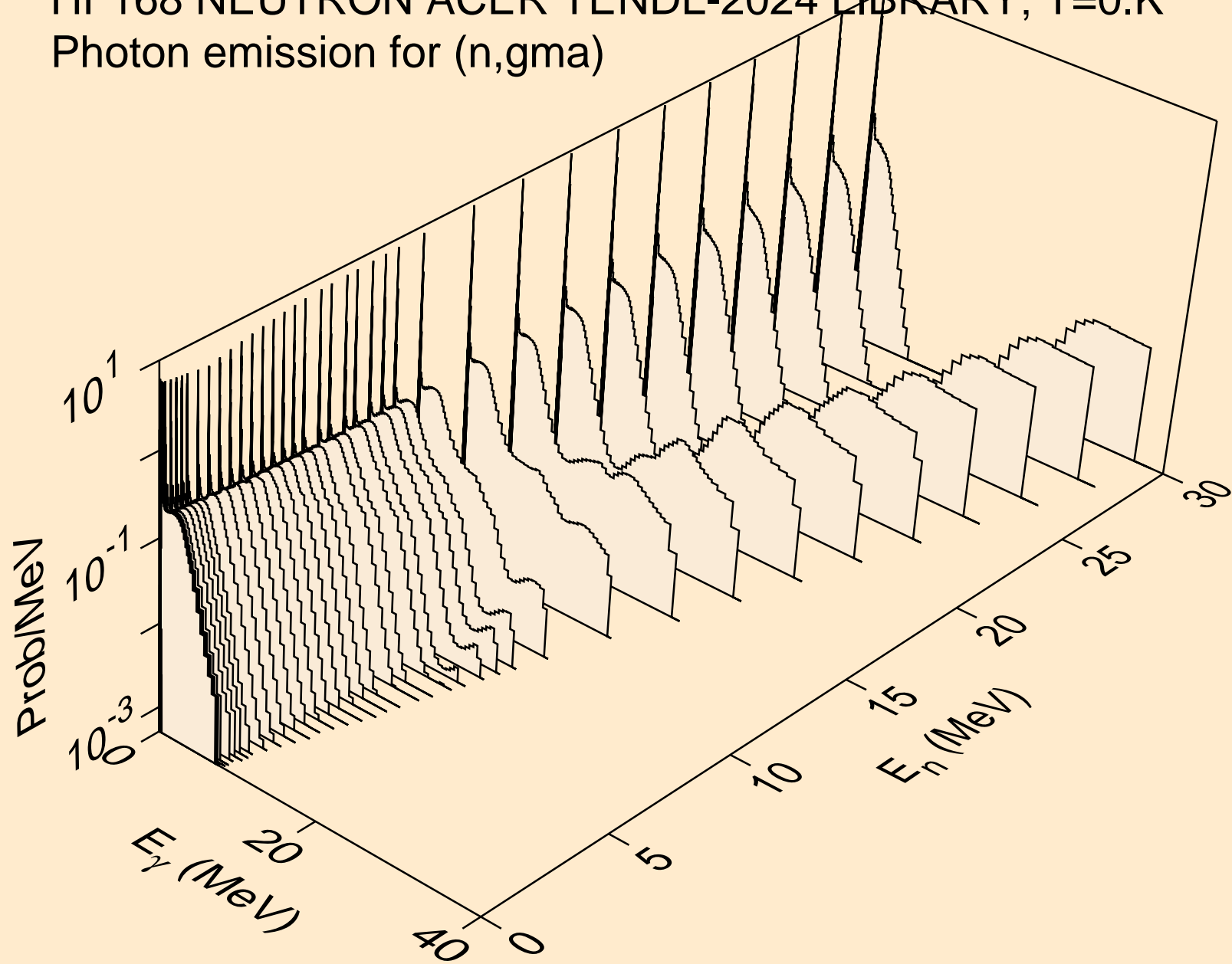
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Photon emission for (n,npa)



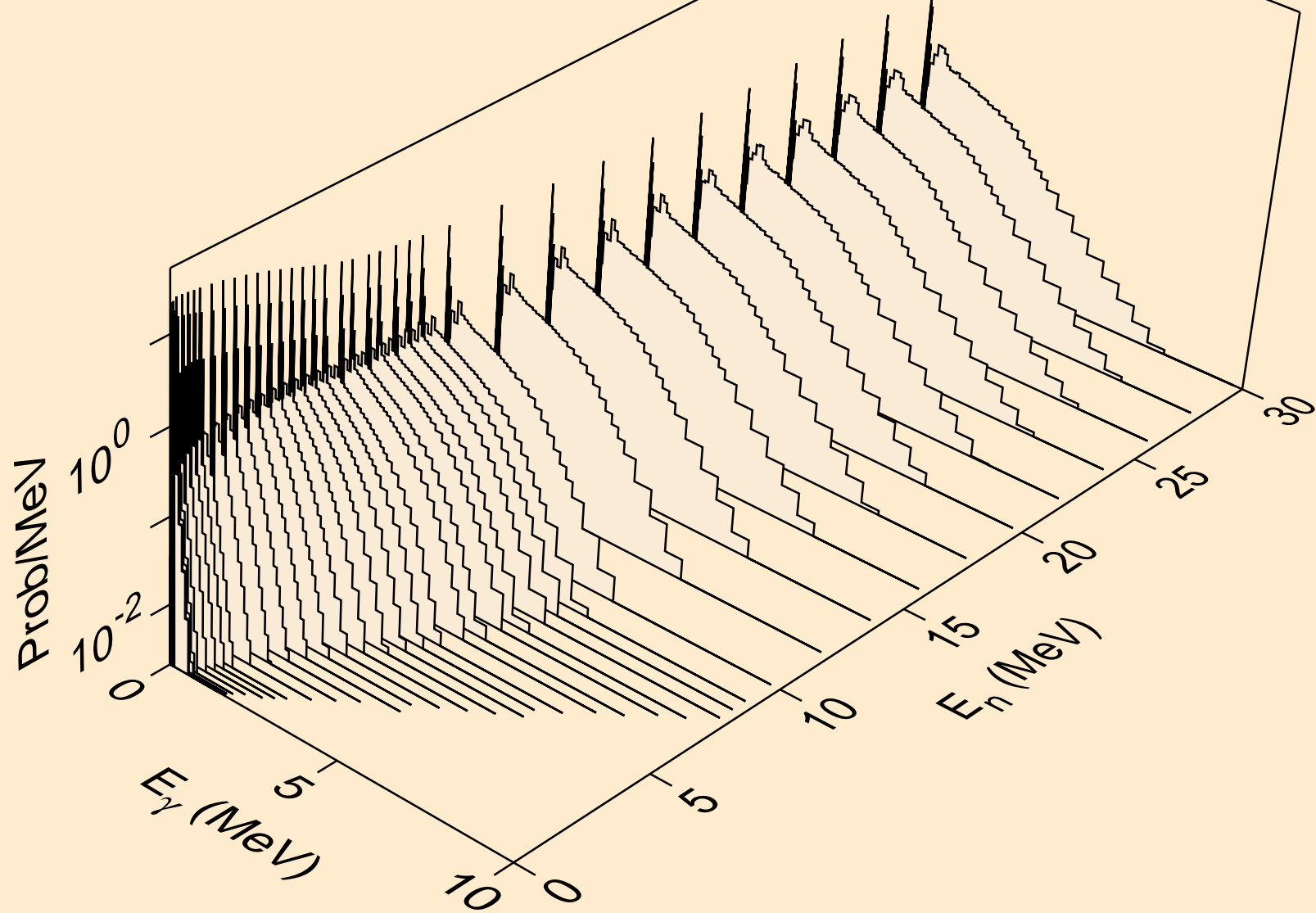
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Photon emission for (n,n\*c)



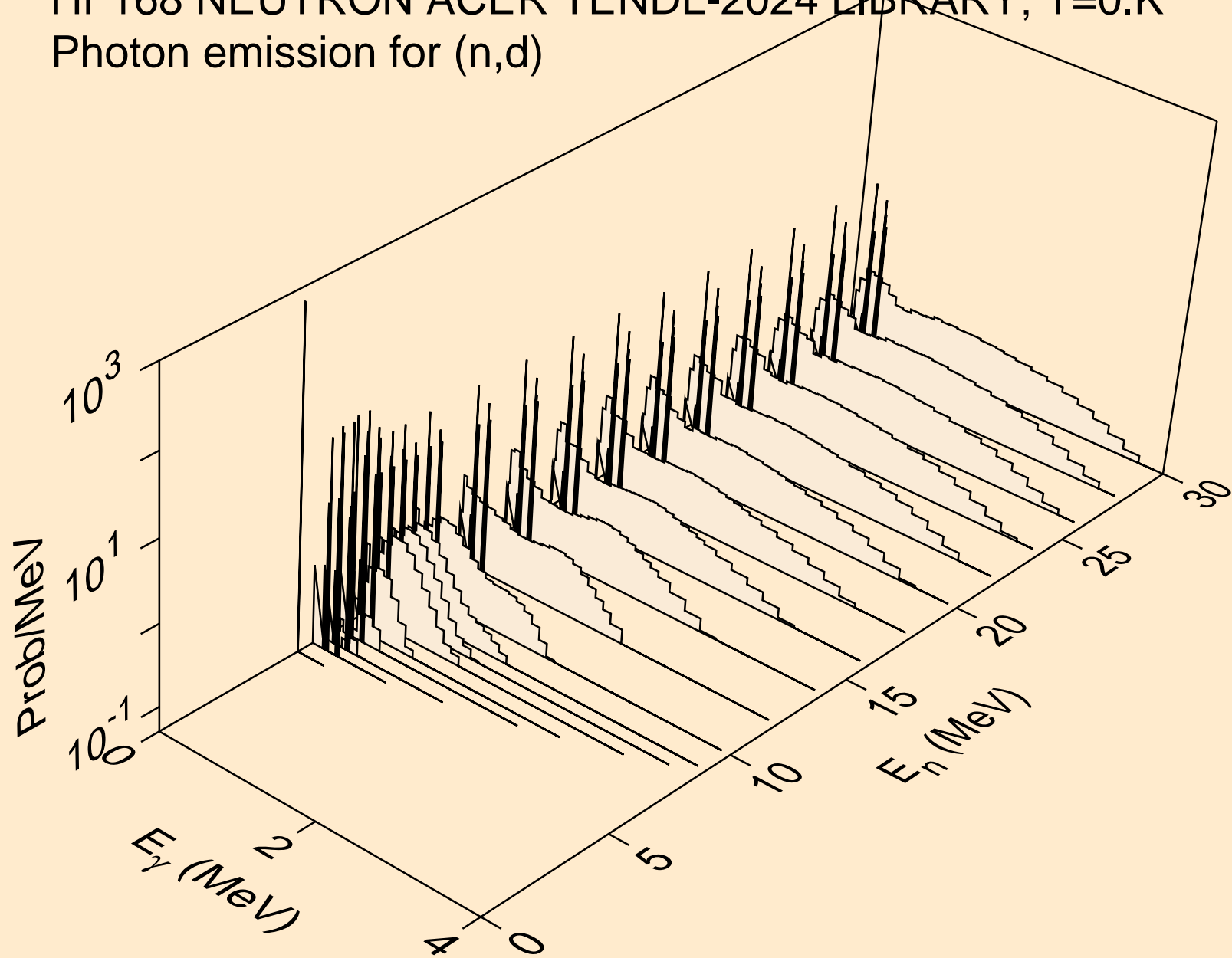
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Photon emission for (n,gma)



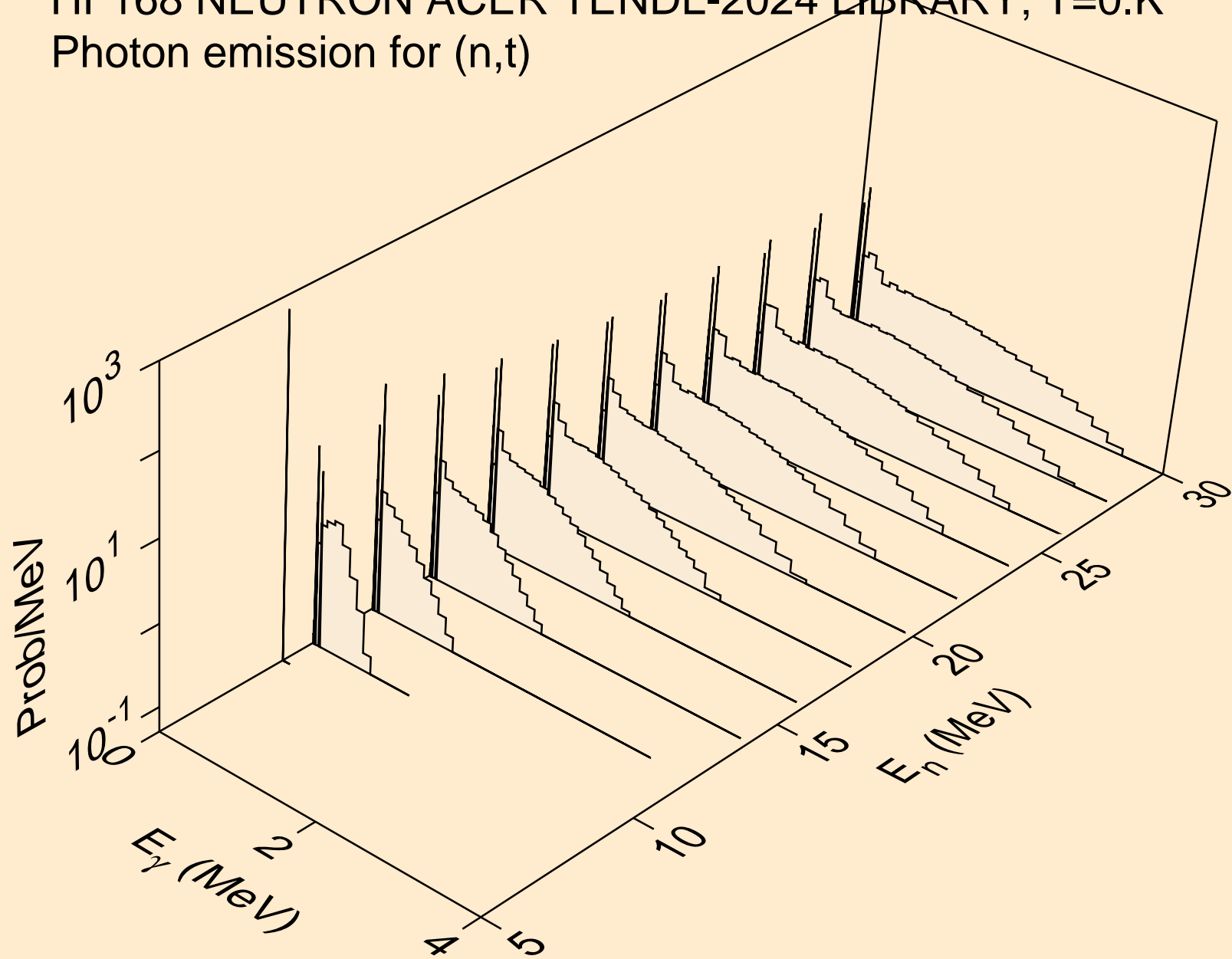
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Photon emission for (n,p)



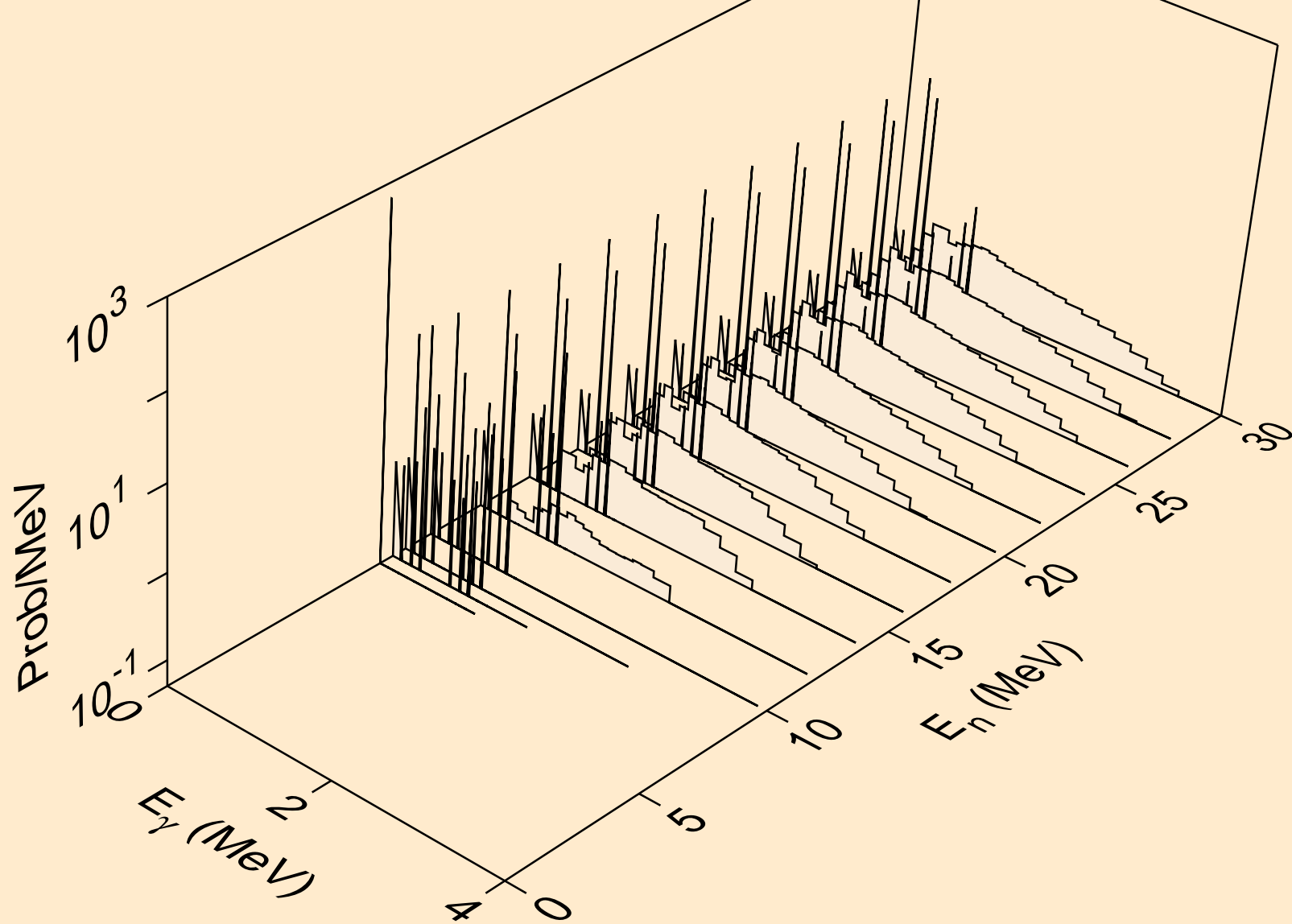
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

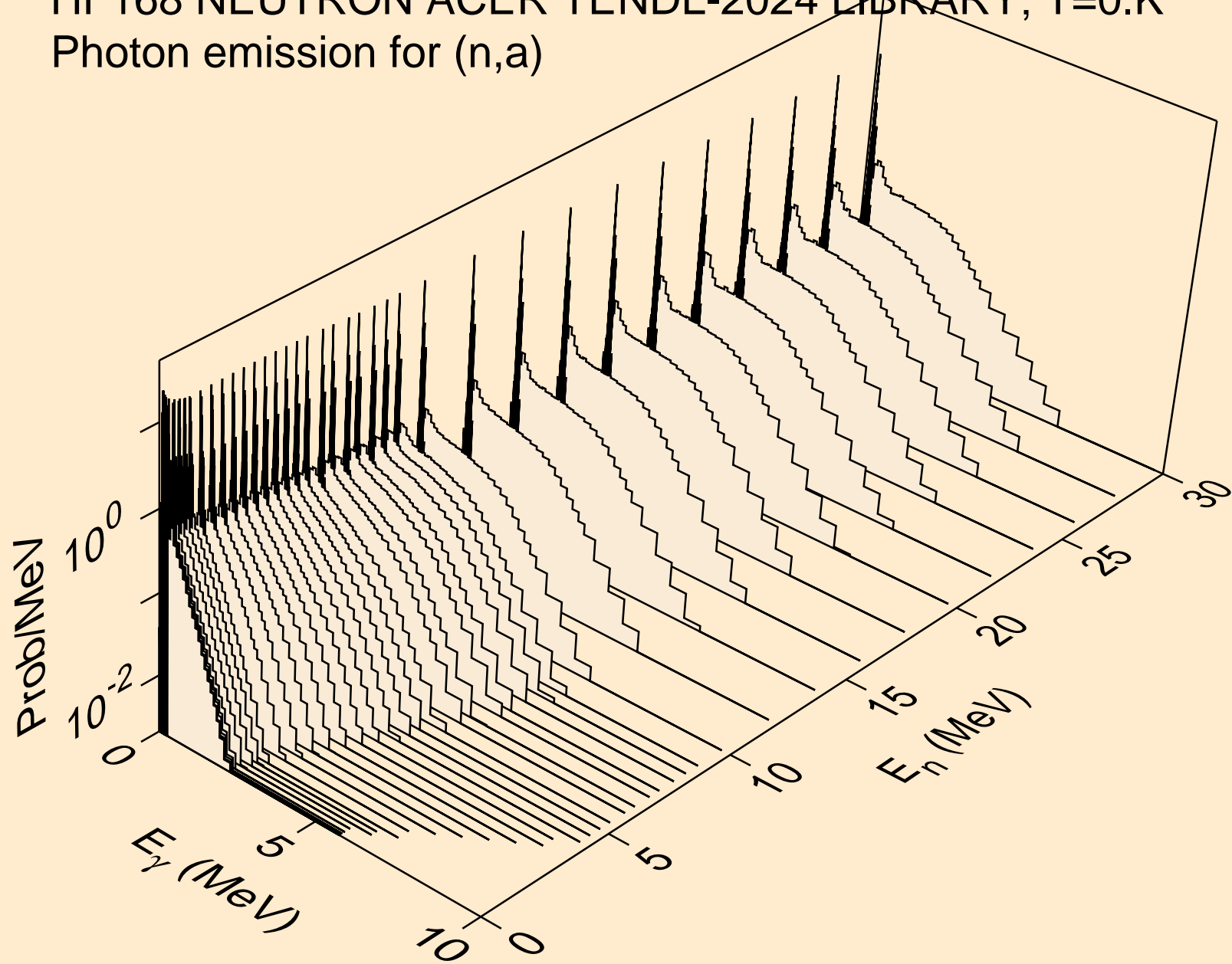


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Photon emission for (n,he3)

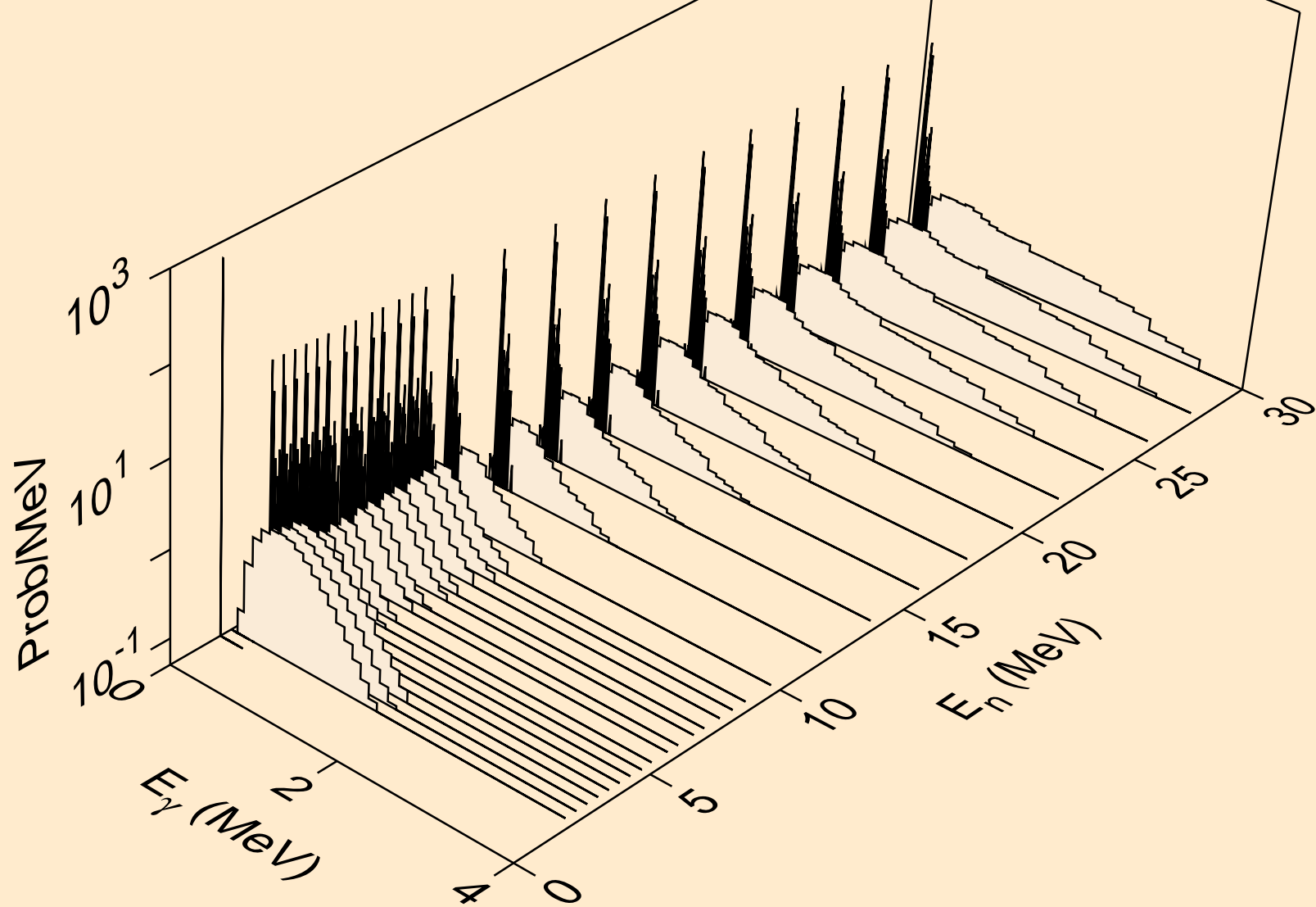




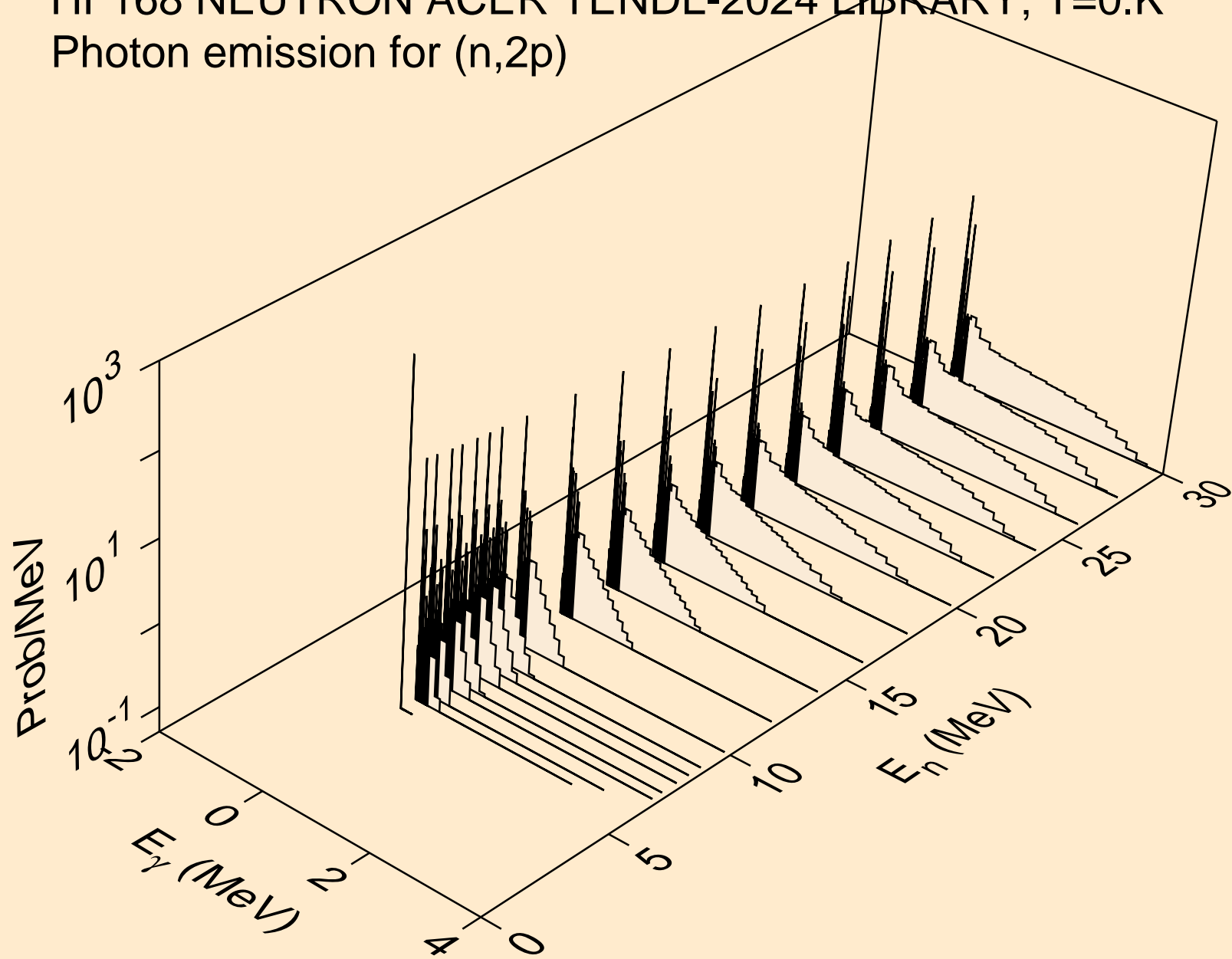
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Photon emission for (n,a)



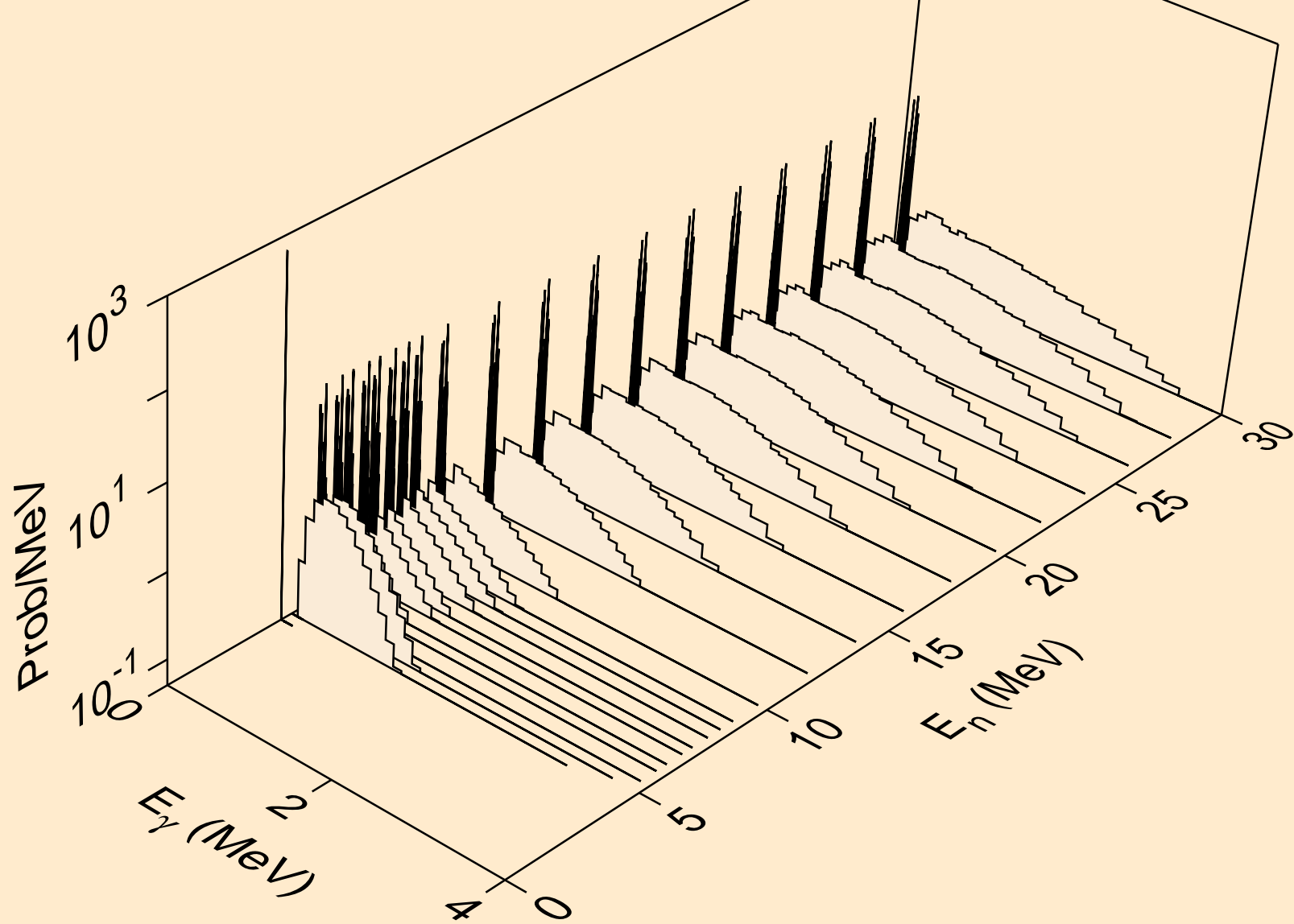
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Photon emission for (n,2a)



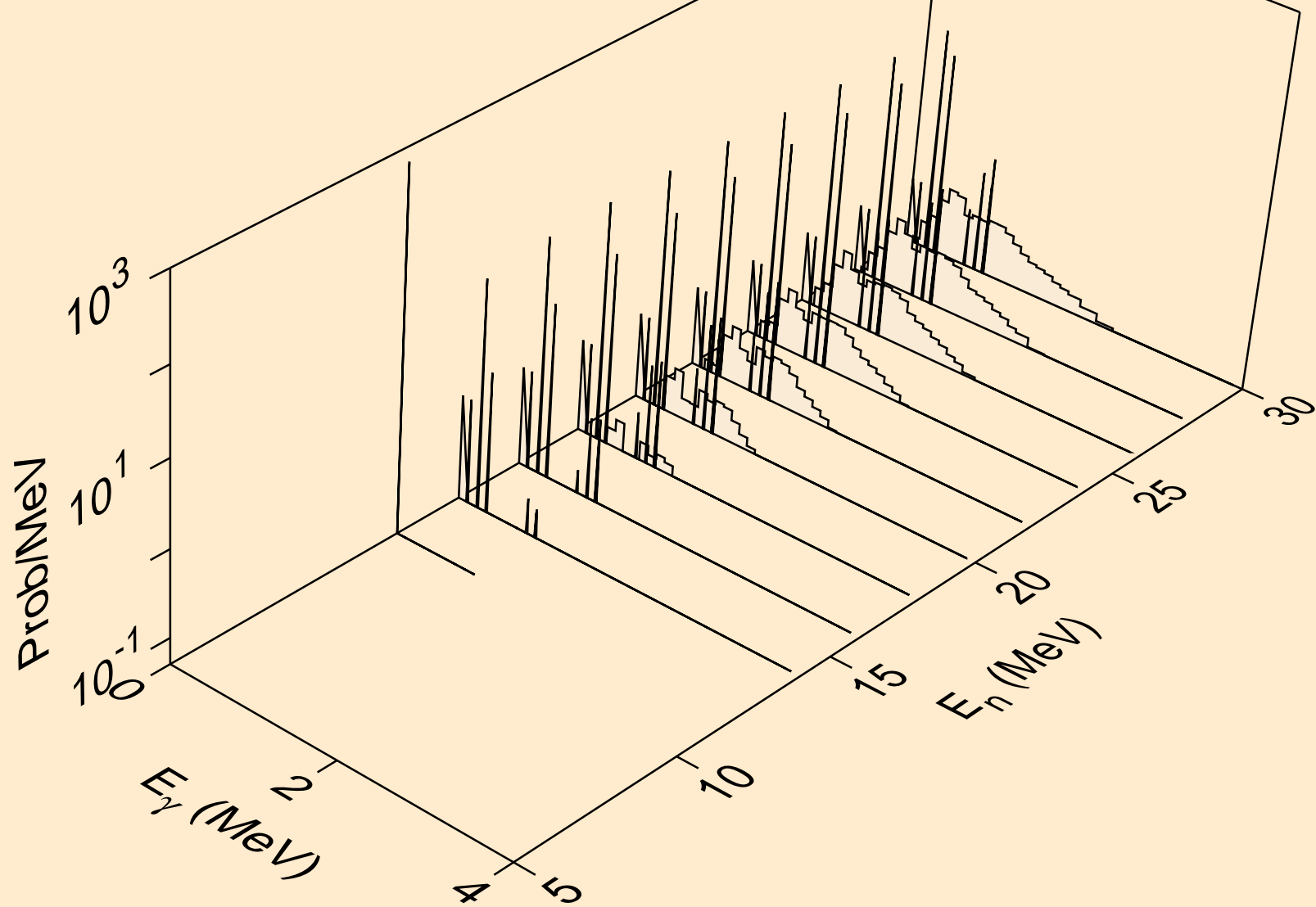
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Photon emission for (n,2p)



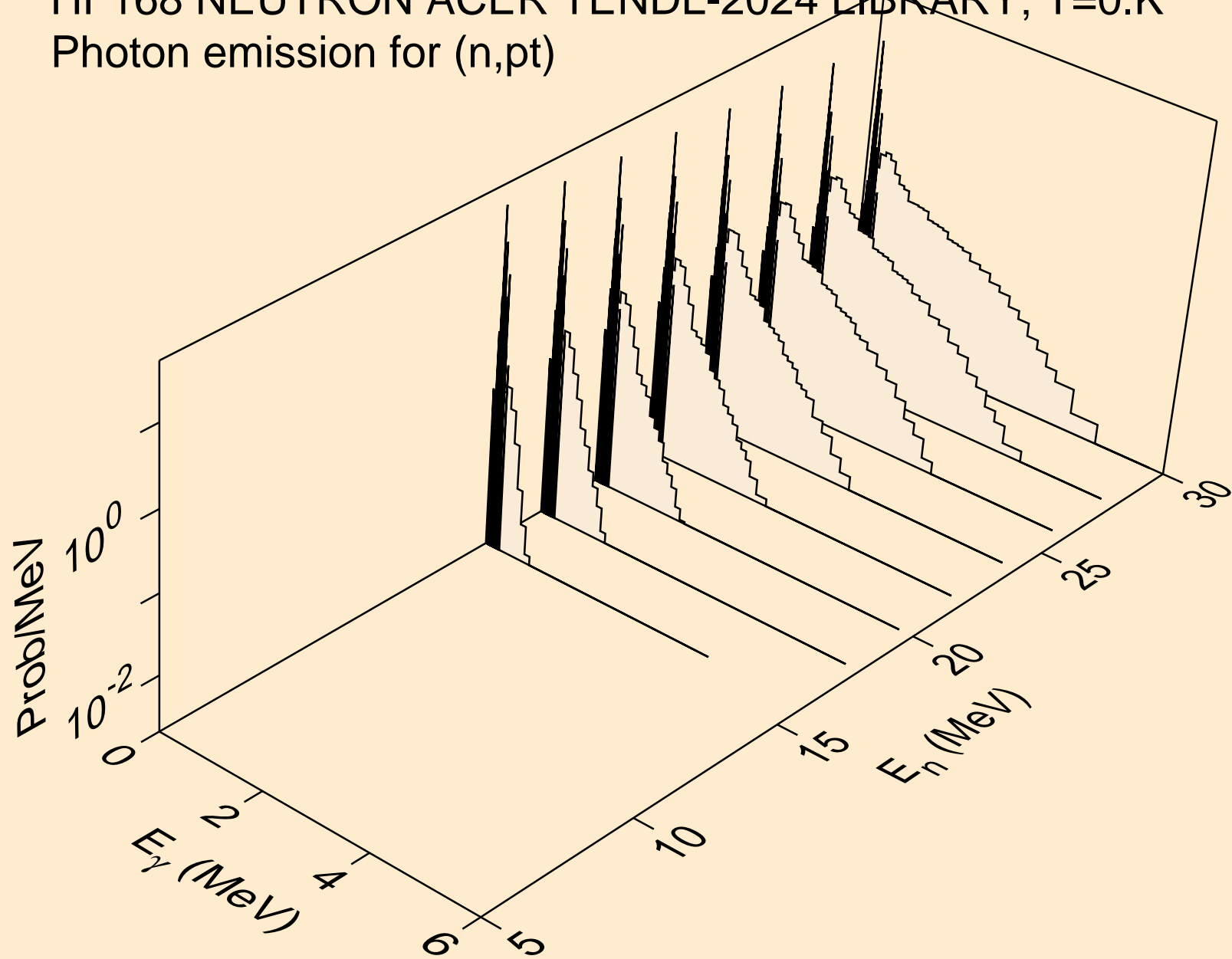
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Photon emission for (n,p $\alpha$ )



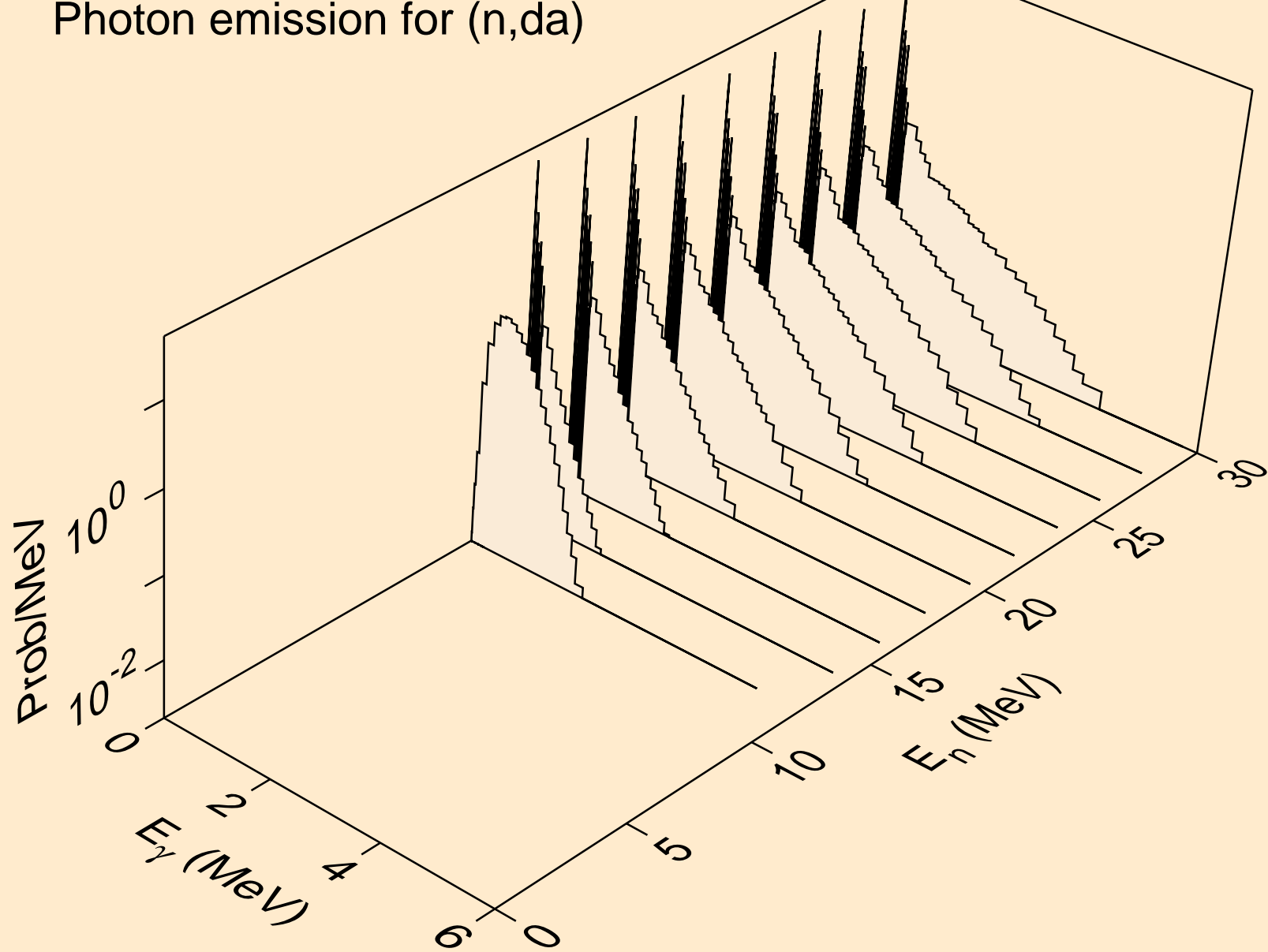
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



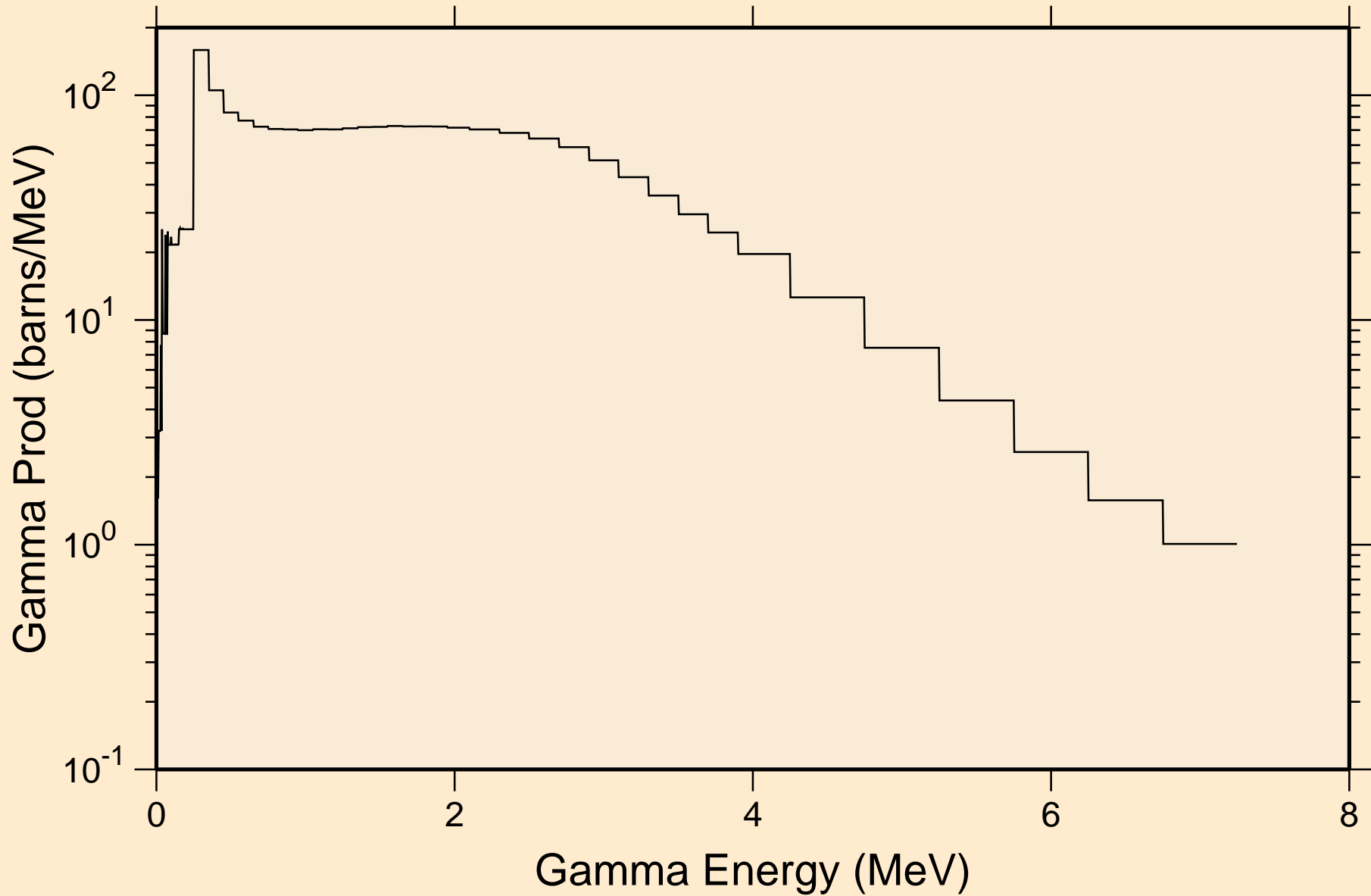
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

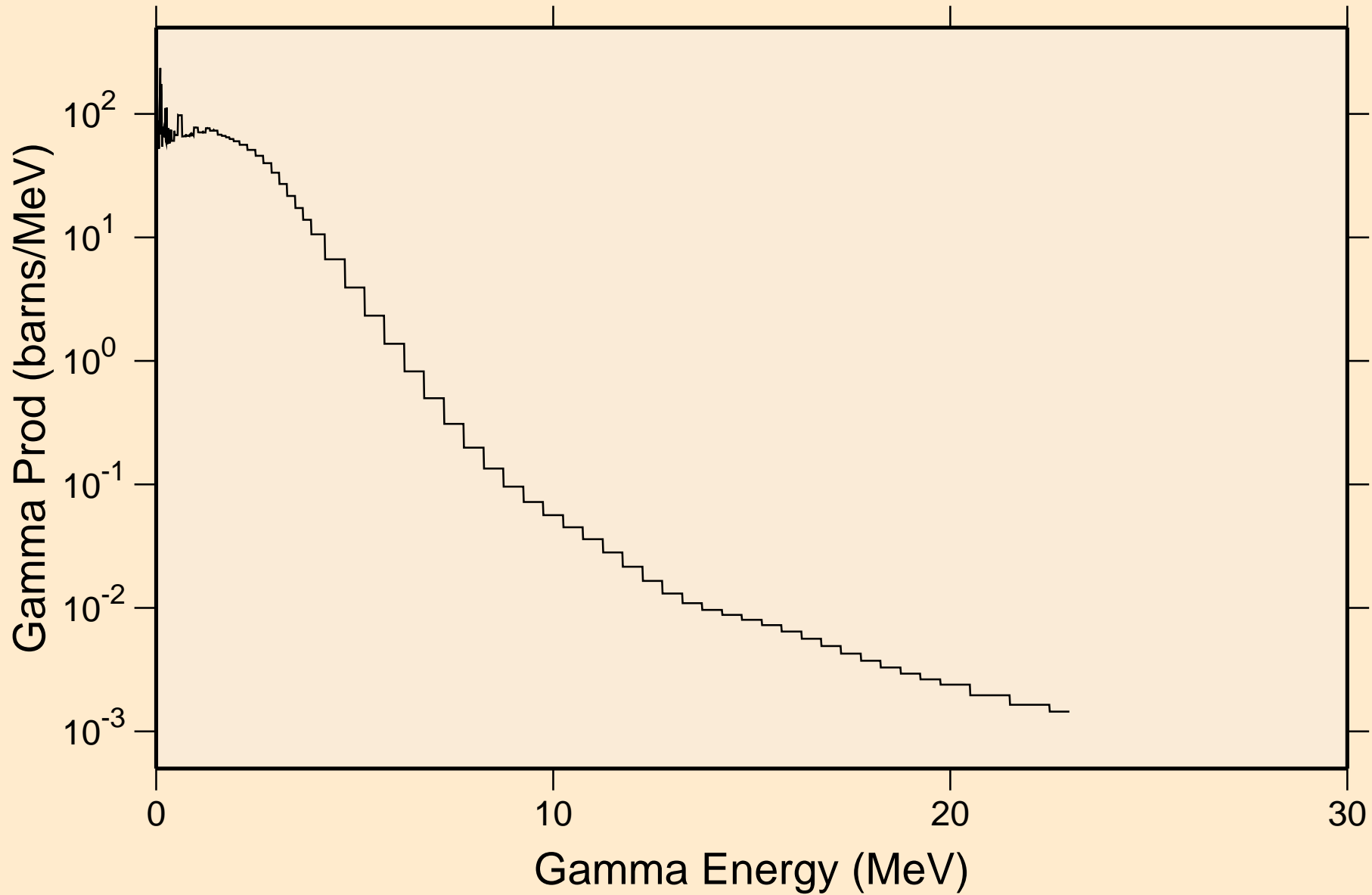


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



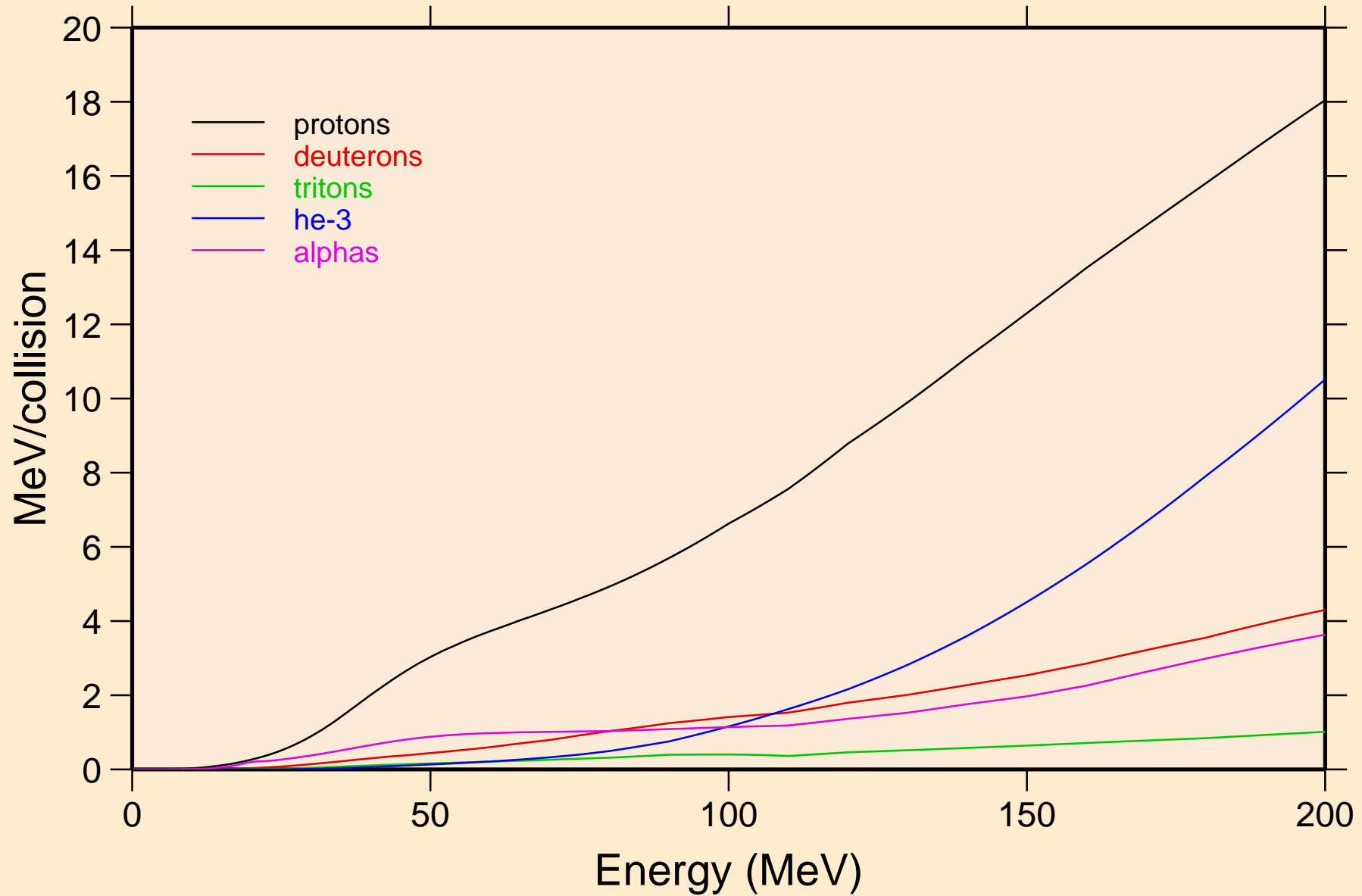


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



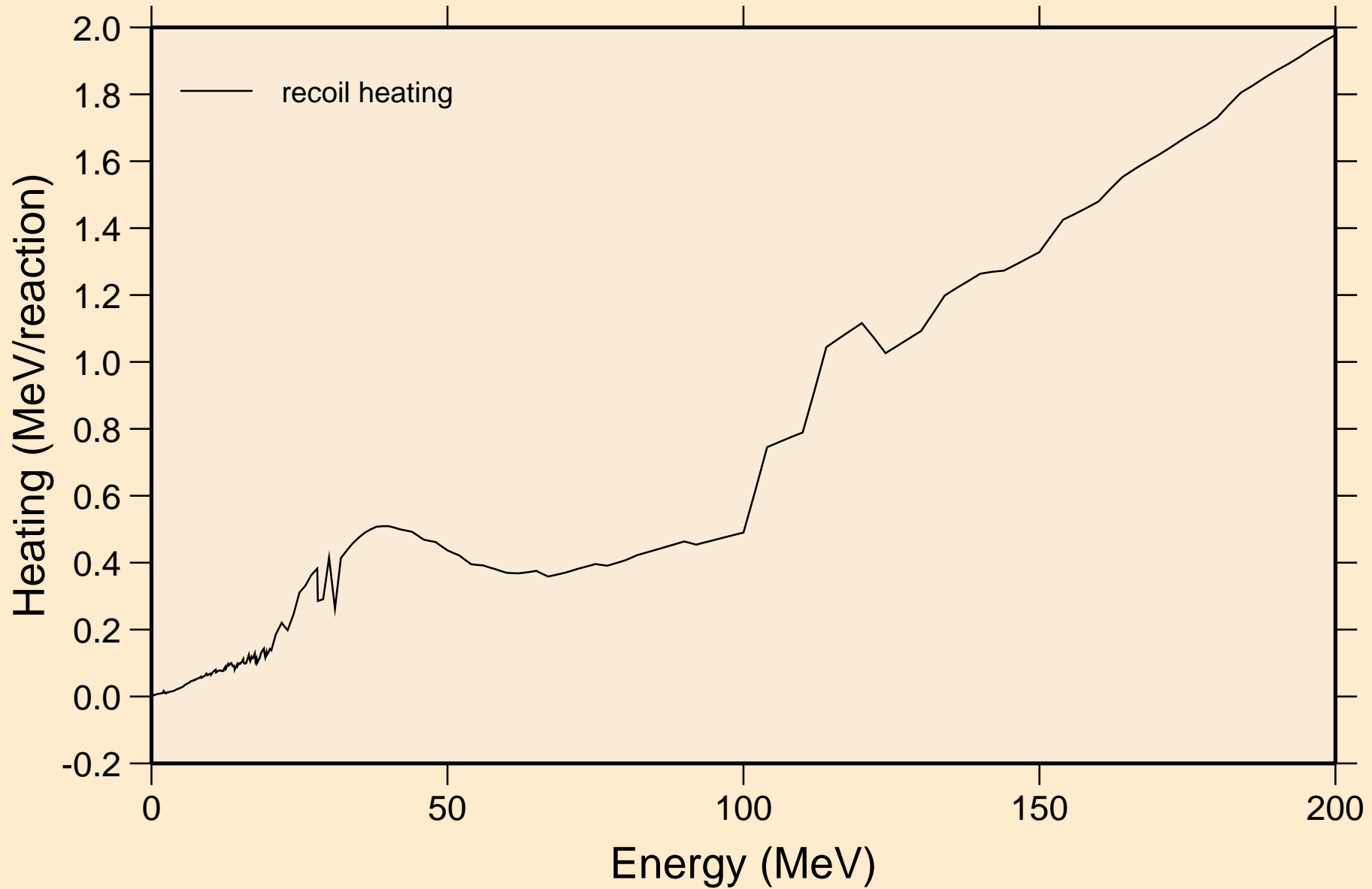
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## Particle heating contributions



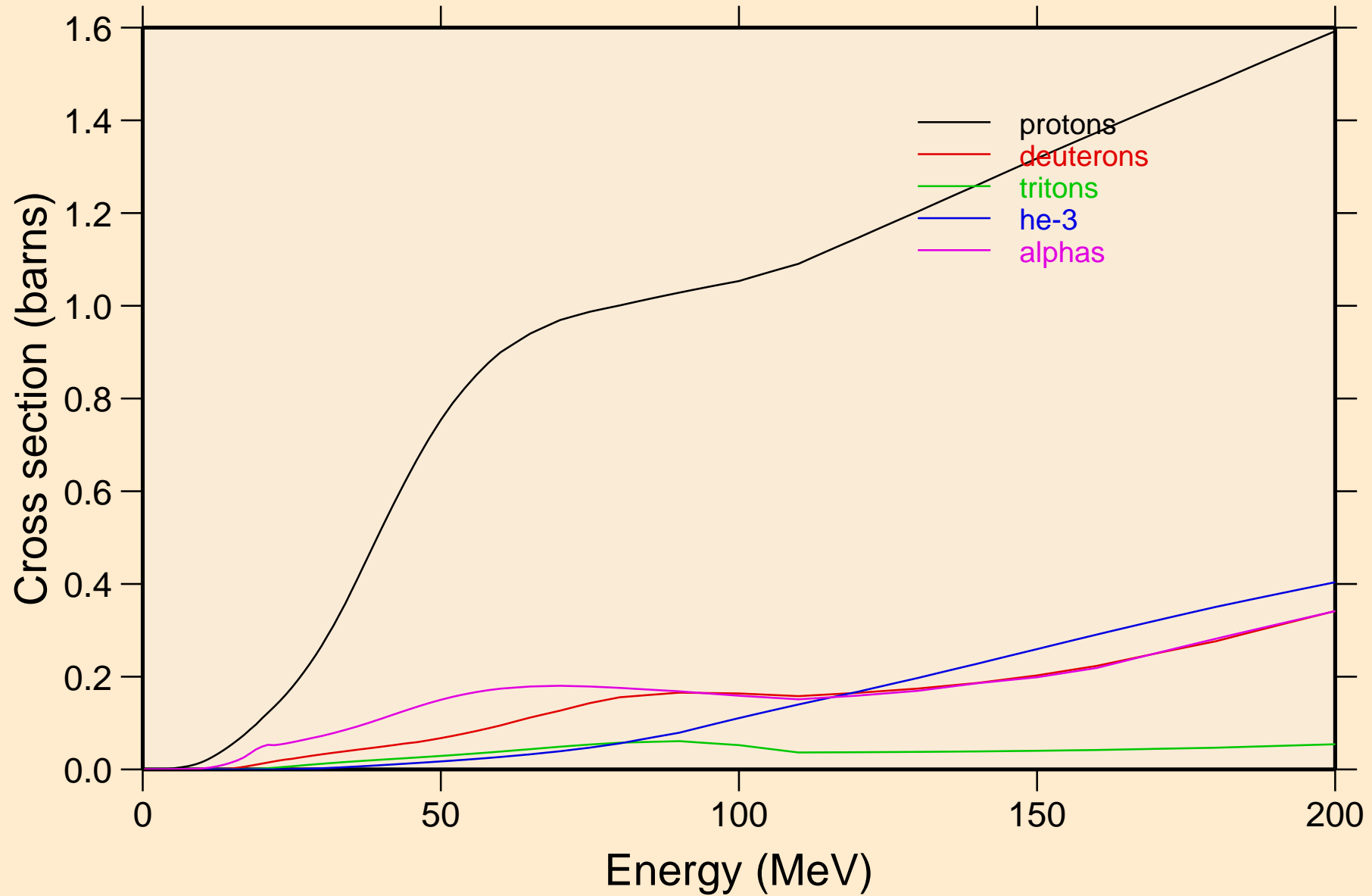
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## Recoil Heating

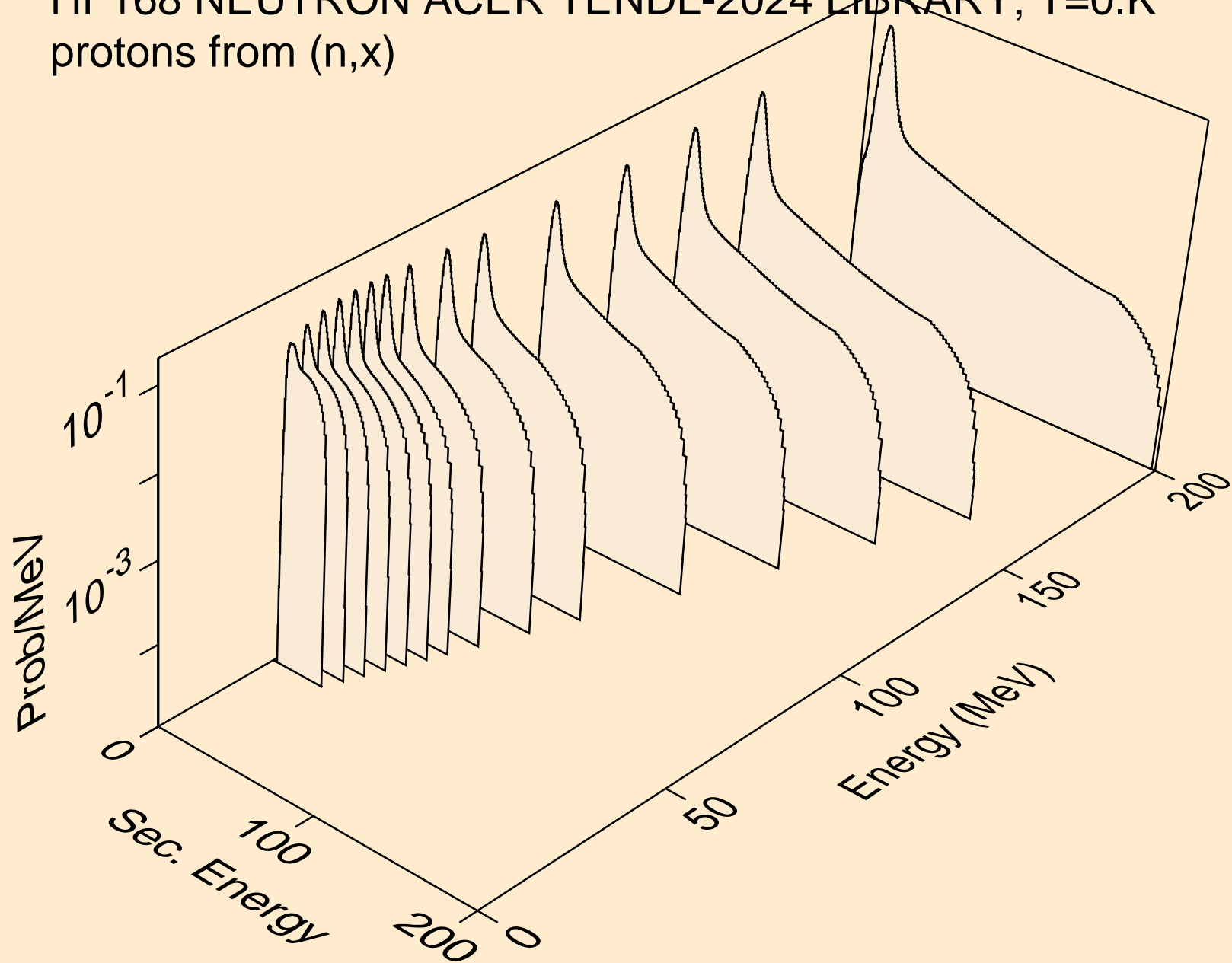


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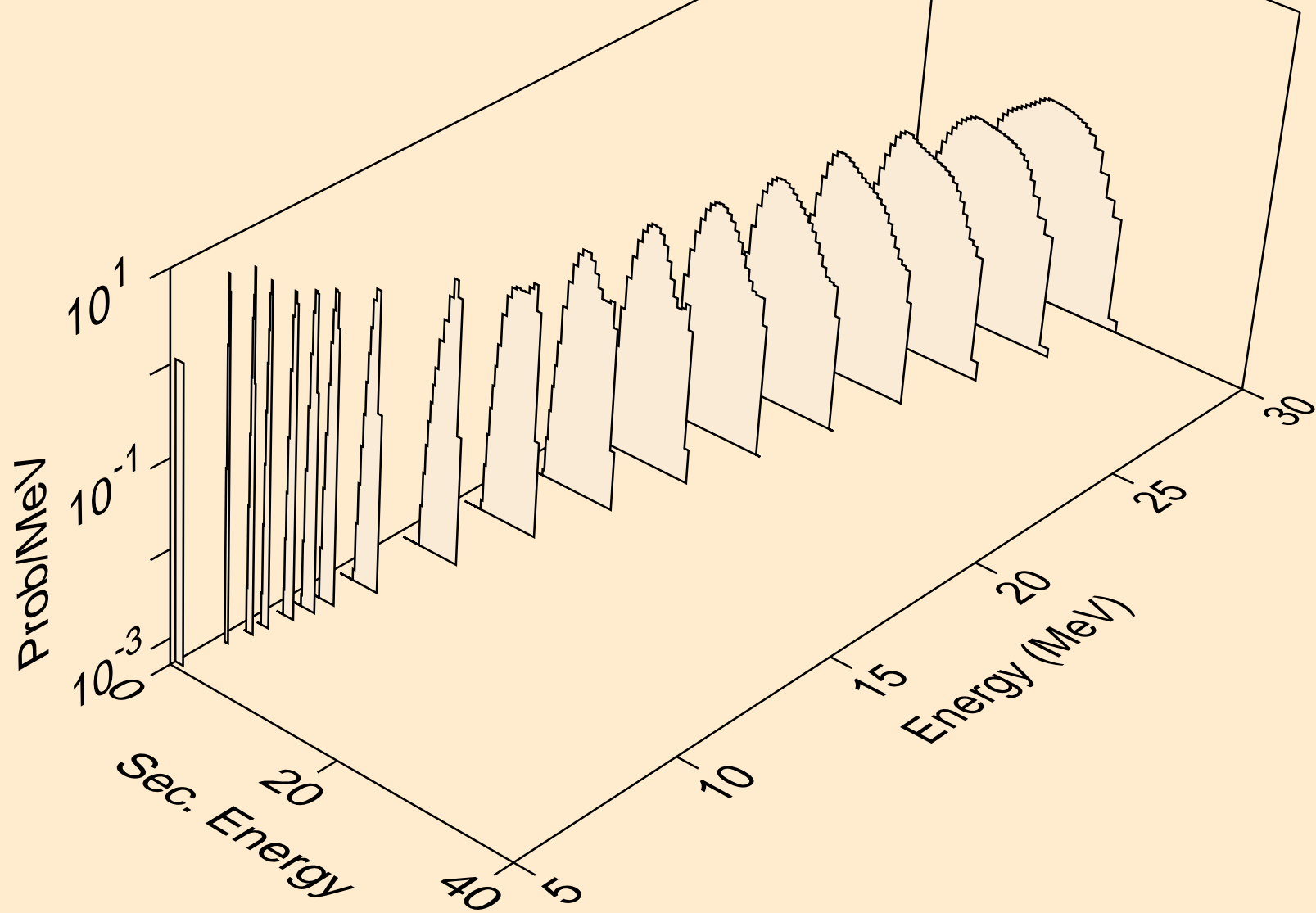
## Particle production cross sections



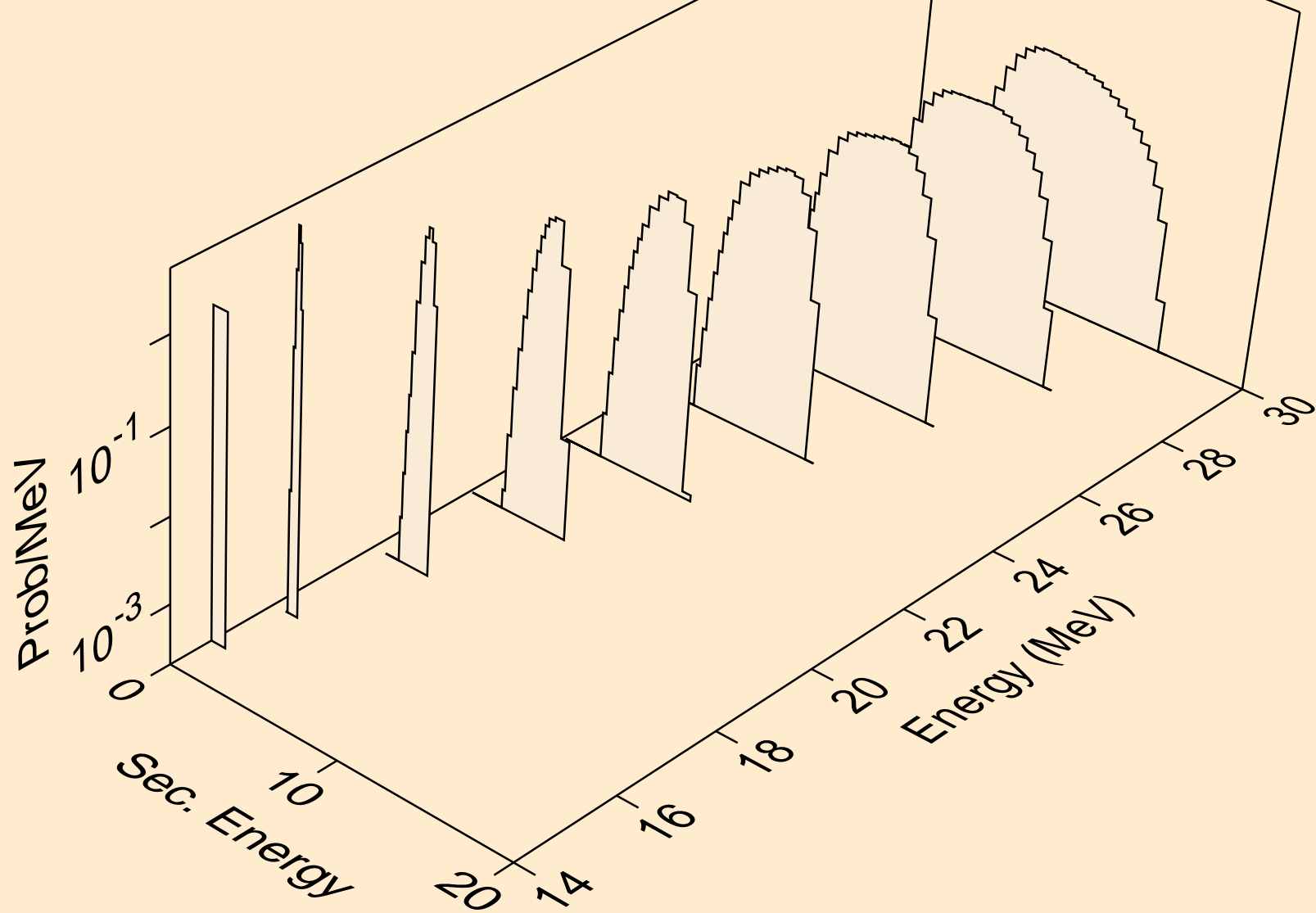
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



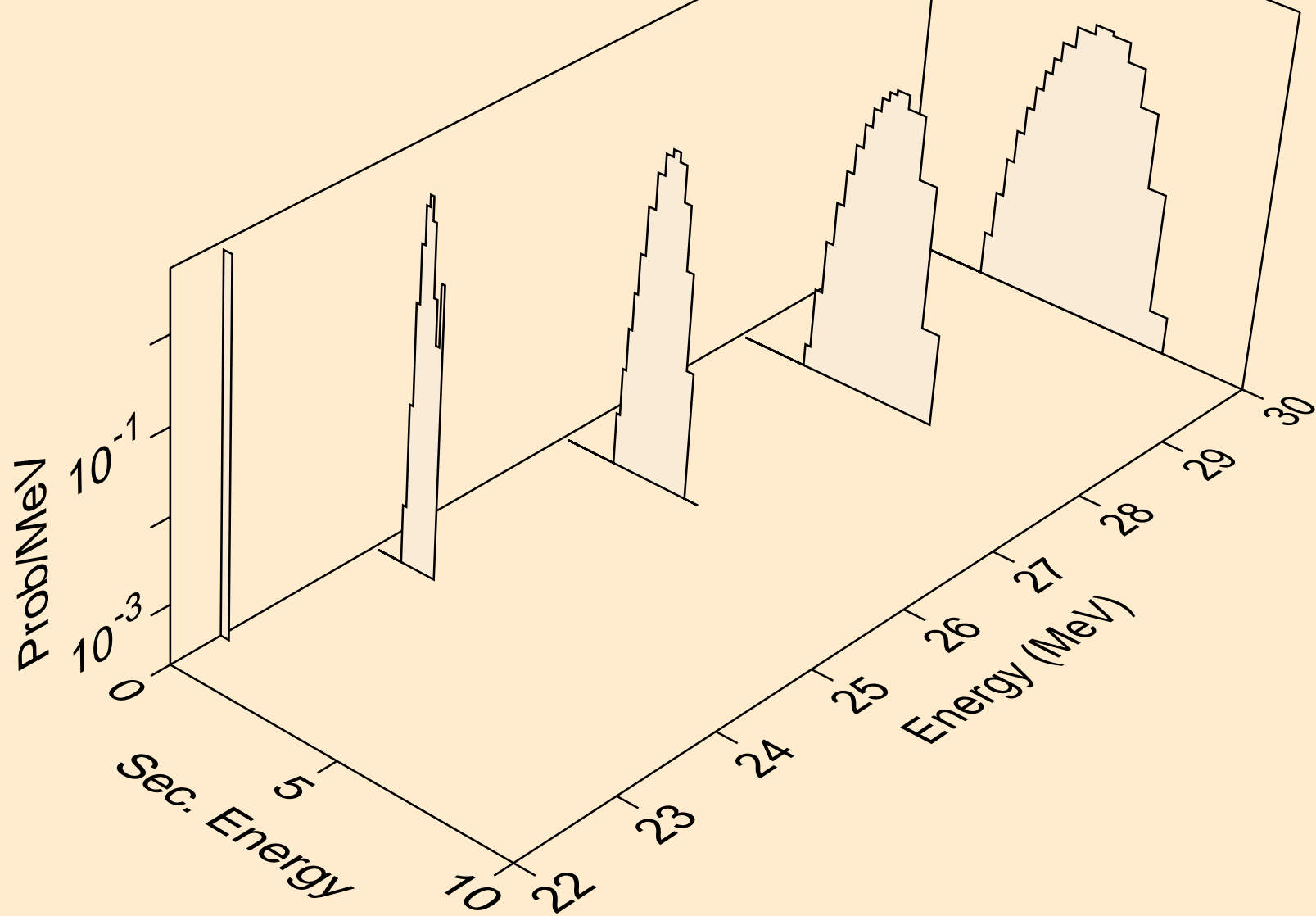
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)

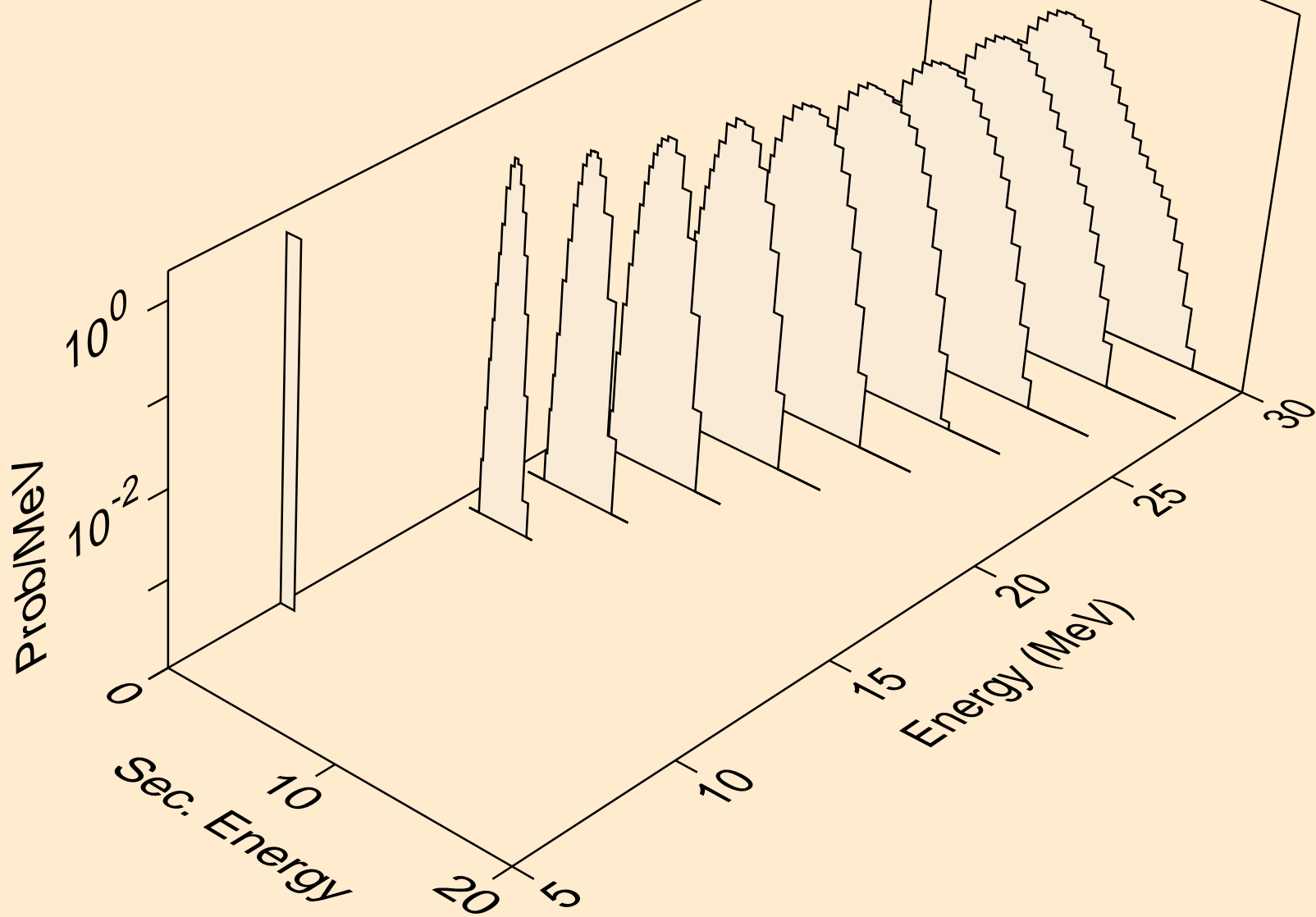


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protons from (n,3np)

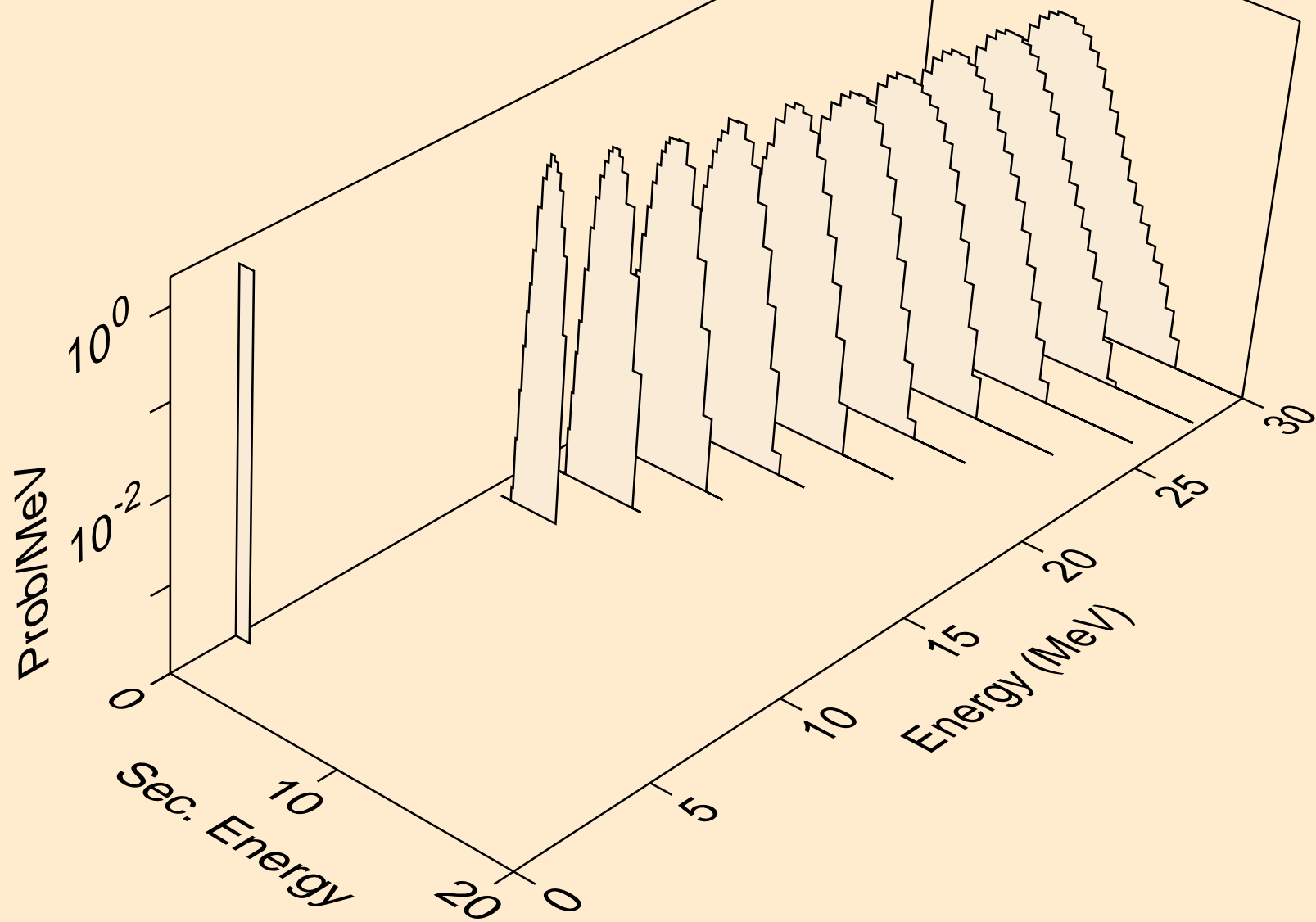




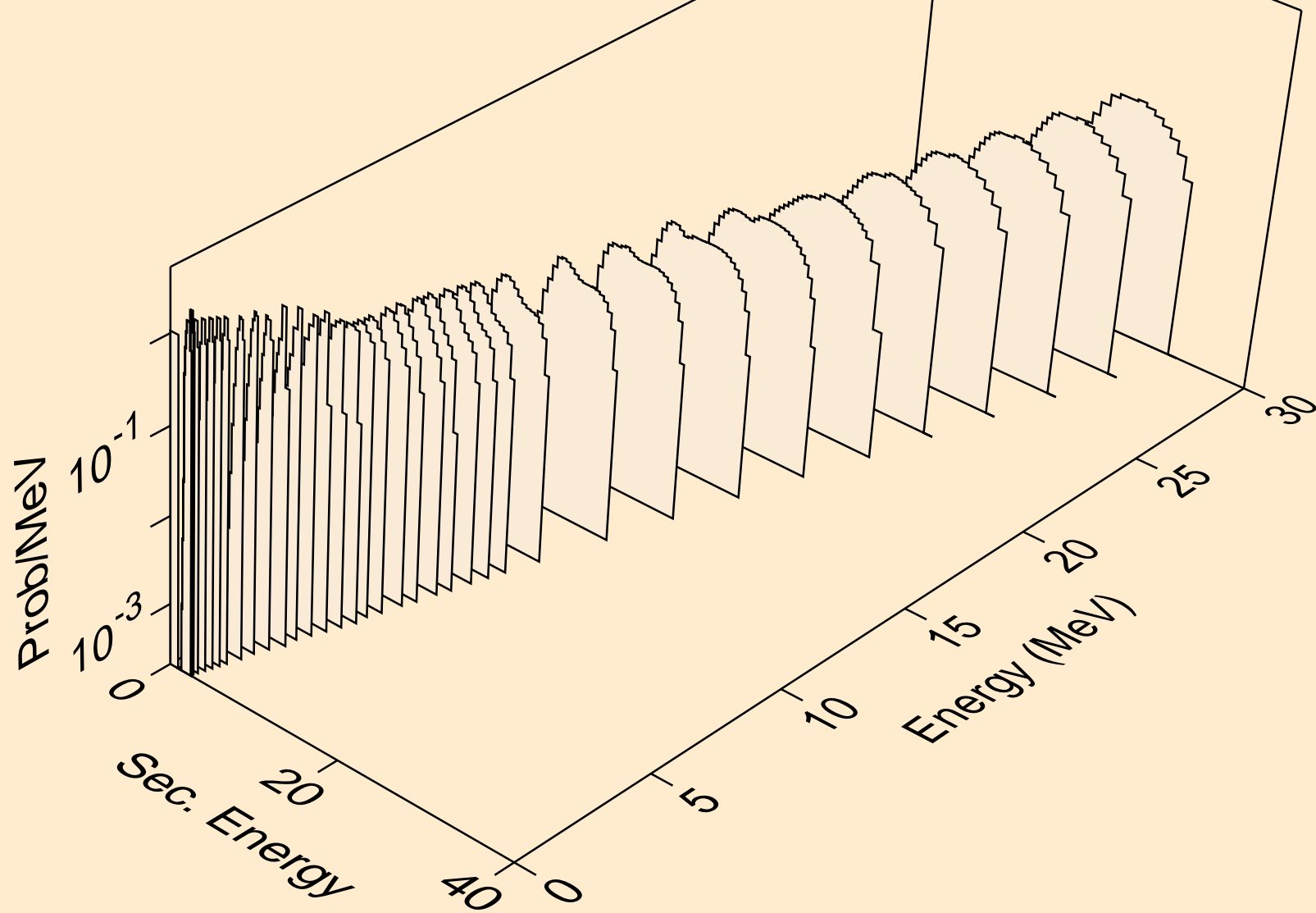
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protons from (n,n2p)



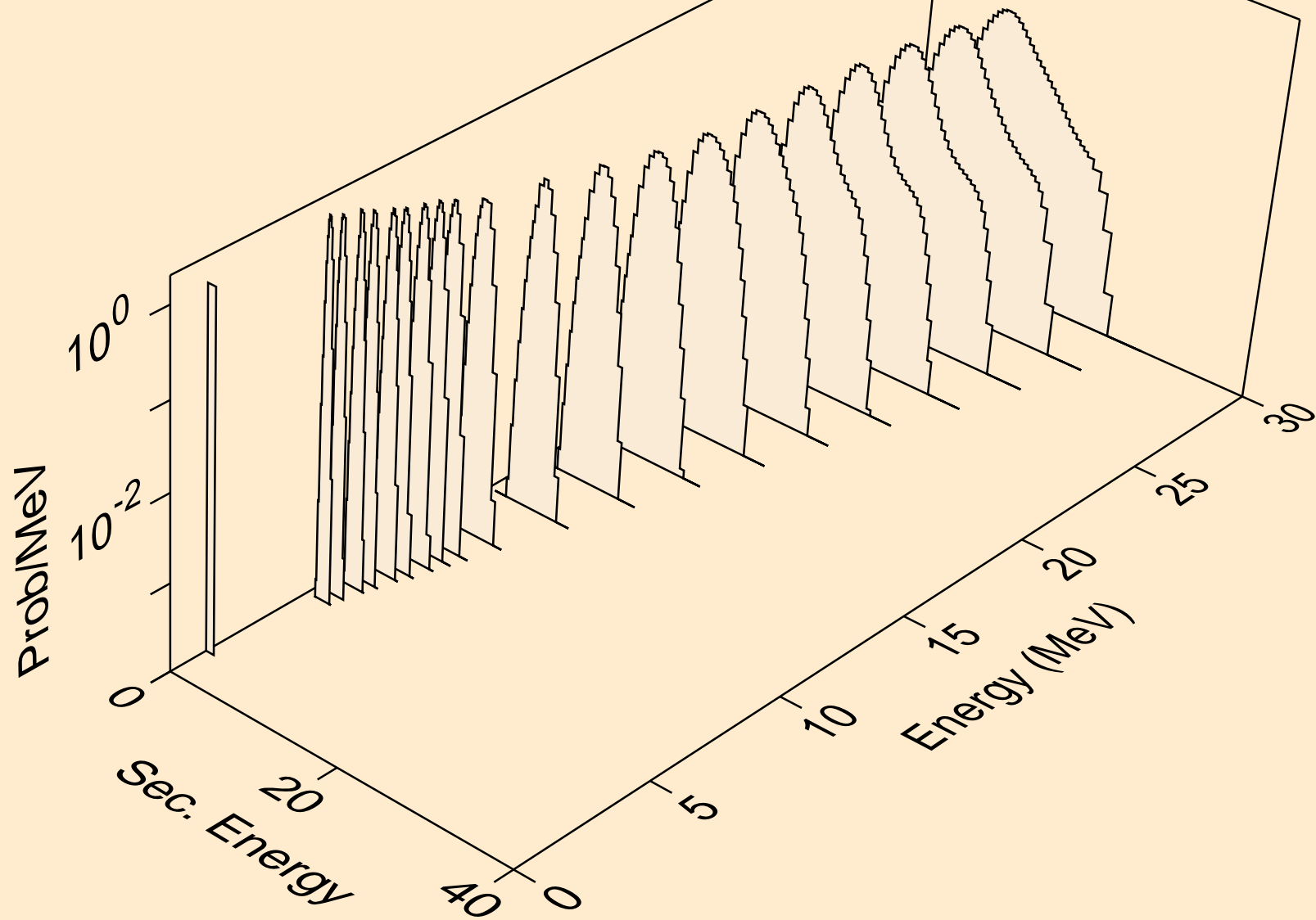
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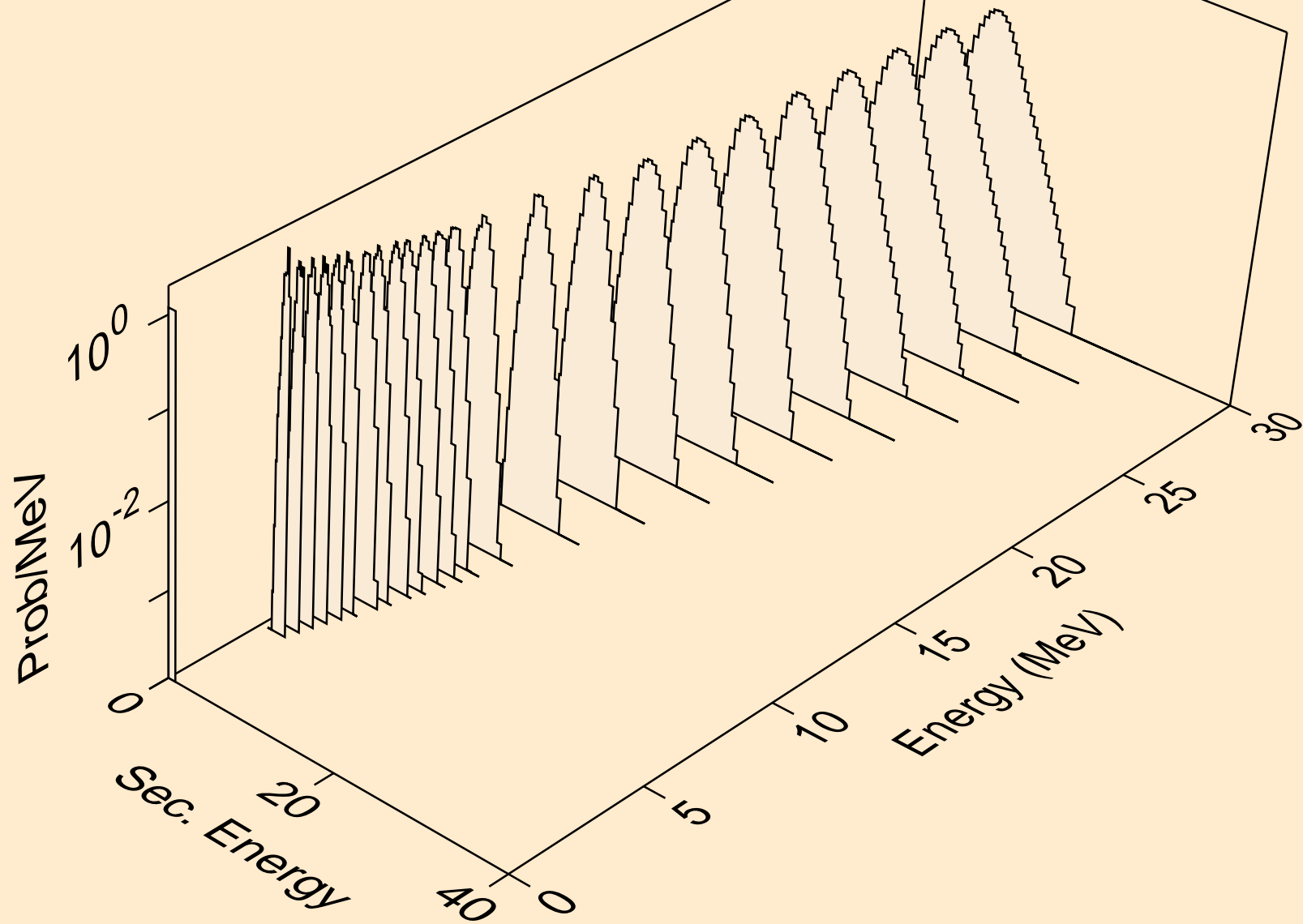
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protons from (n,p)



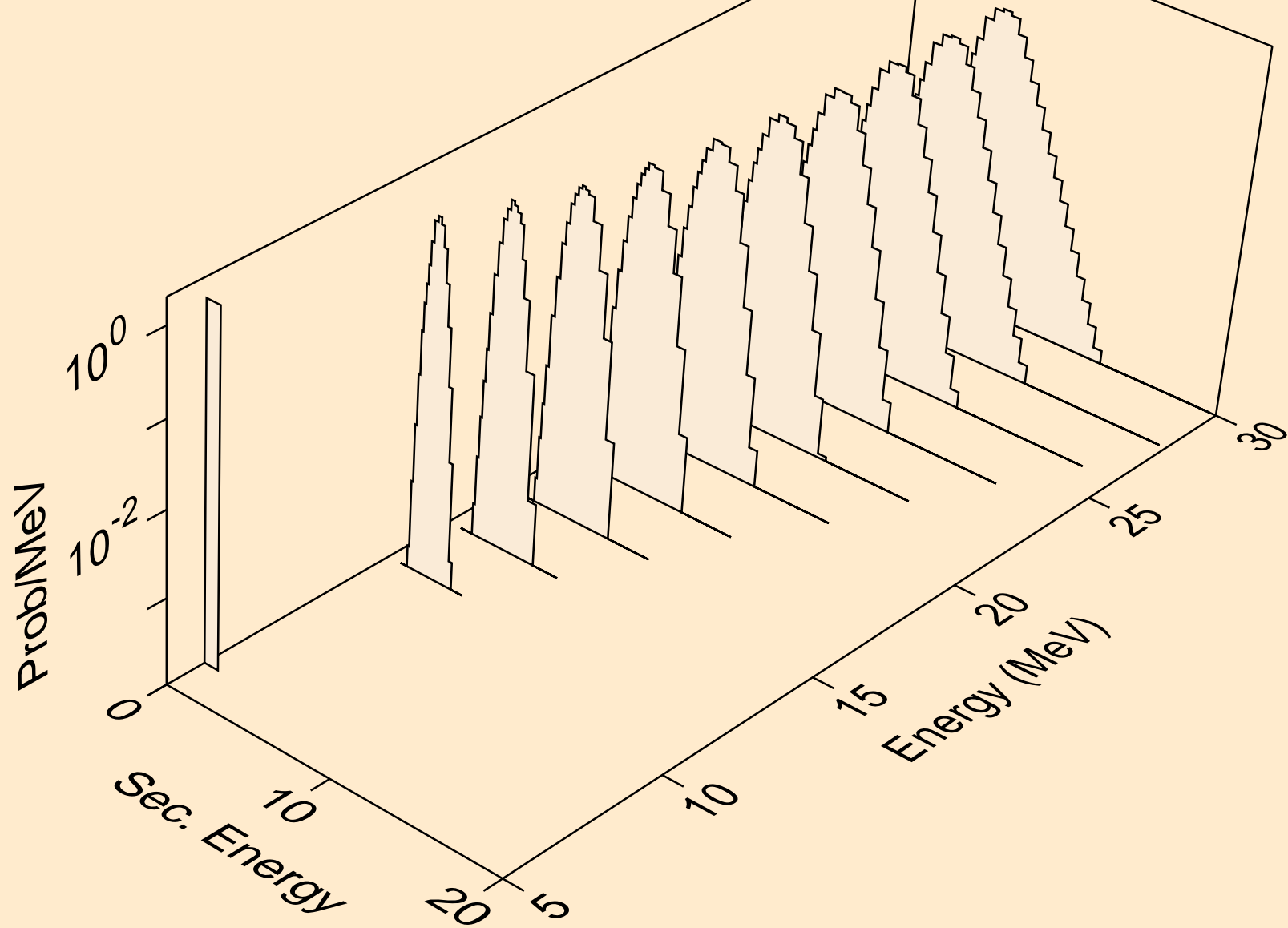
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protons from (n,2p)



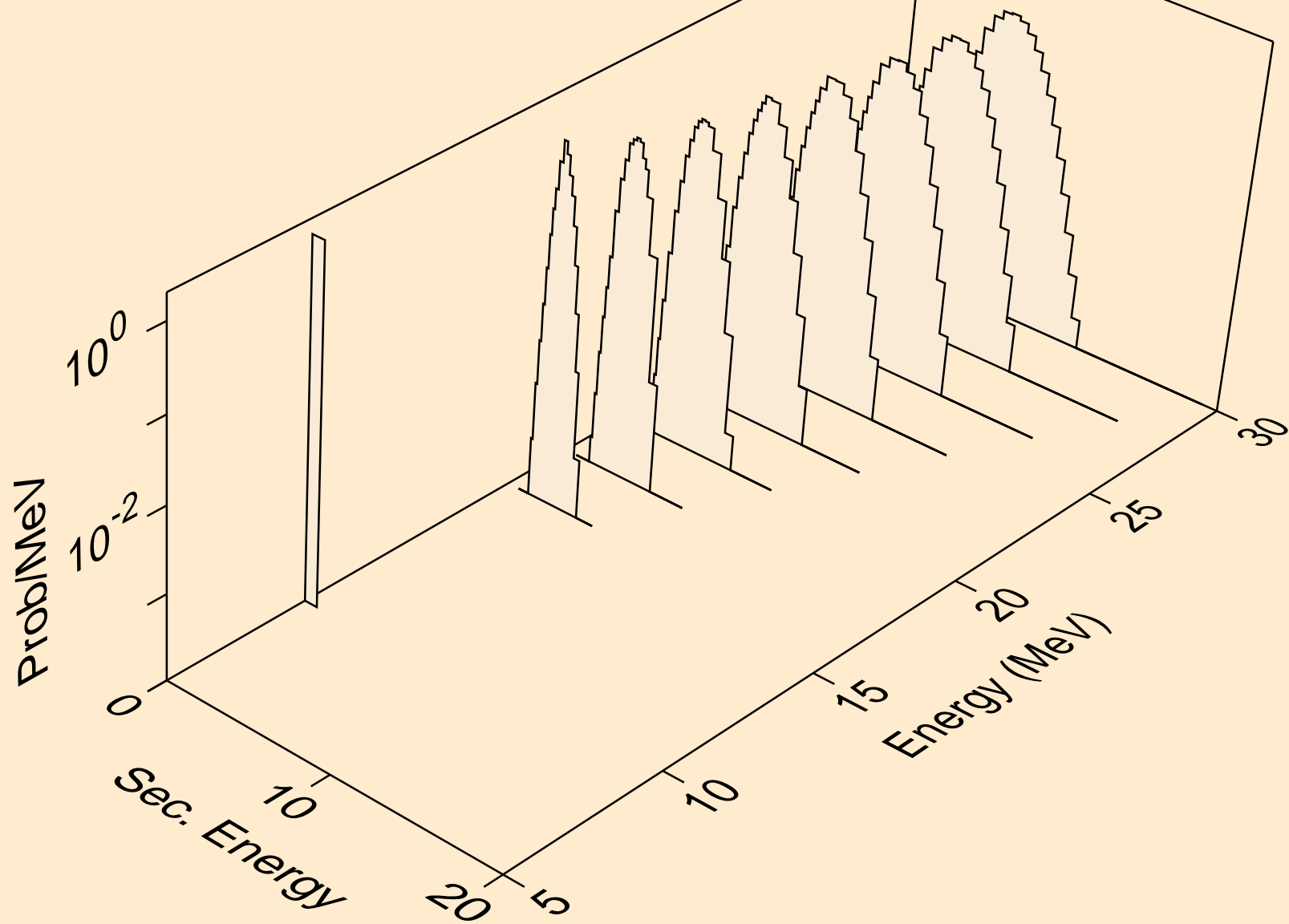
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protons from (n,p)



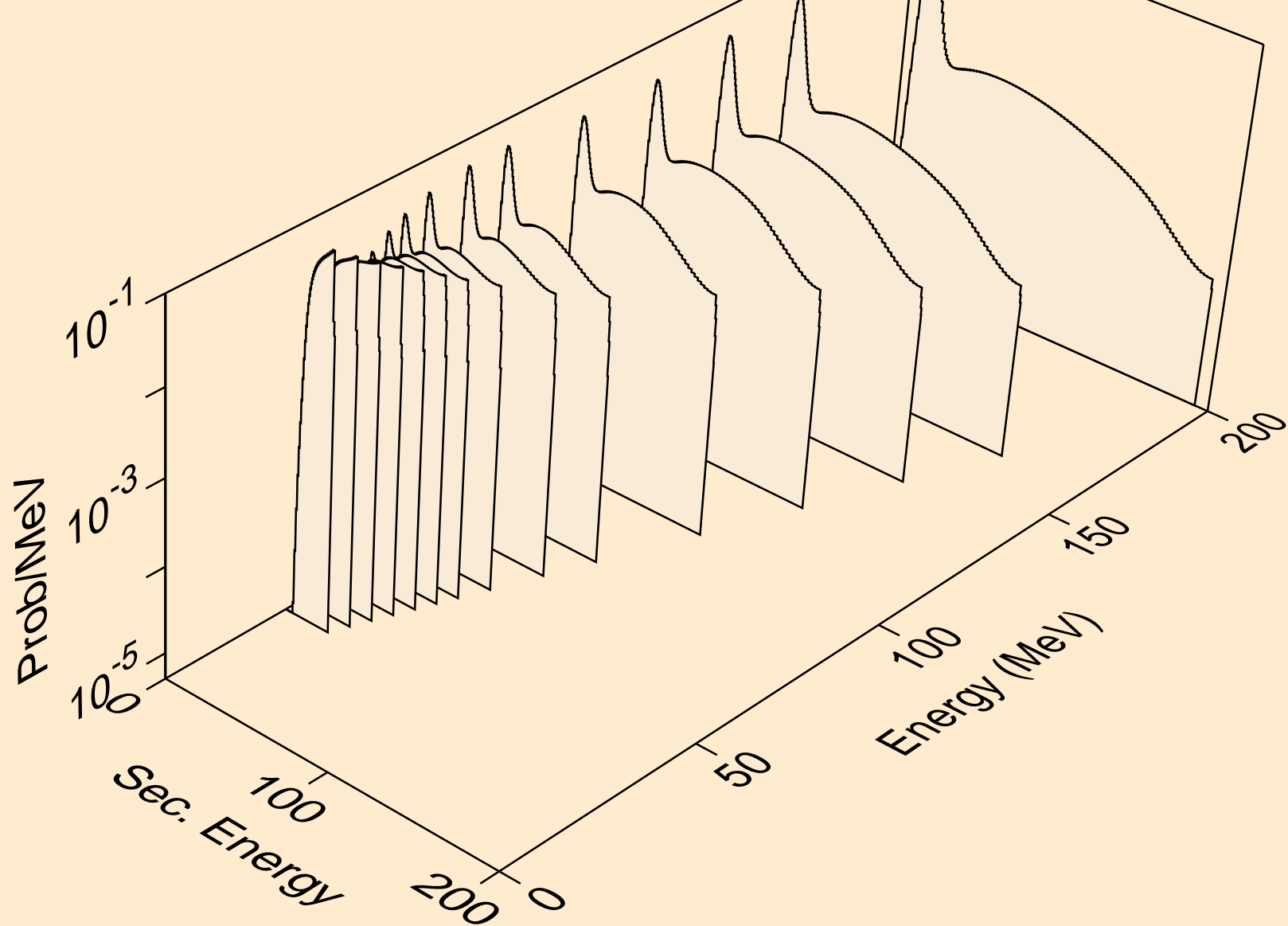
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protons from (n,pd)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)

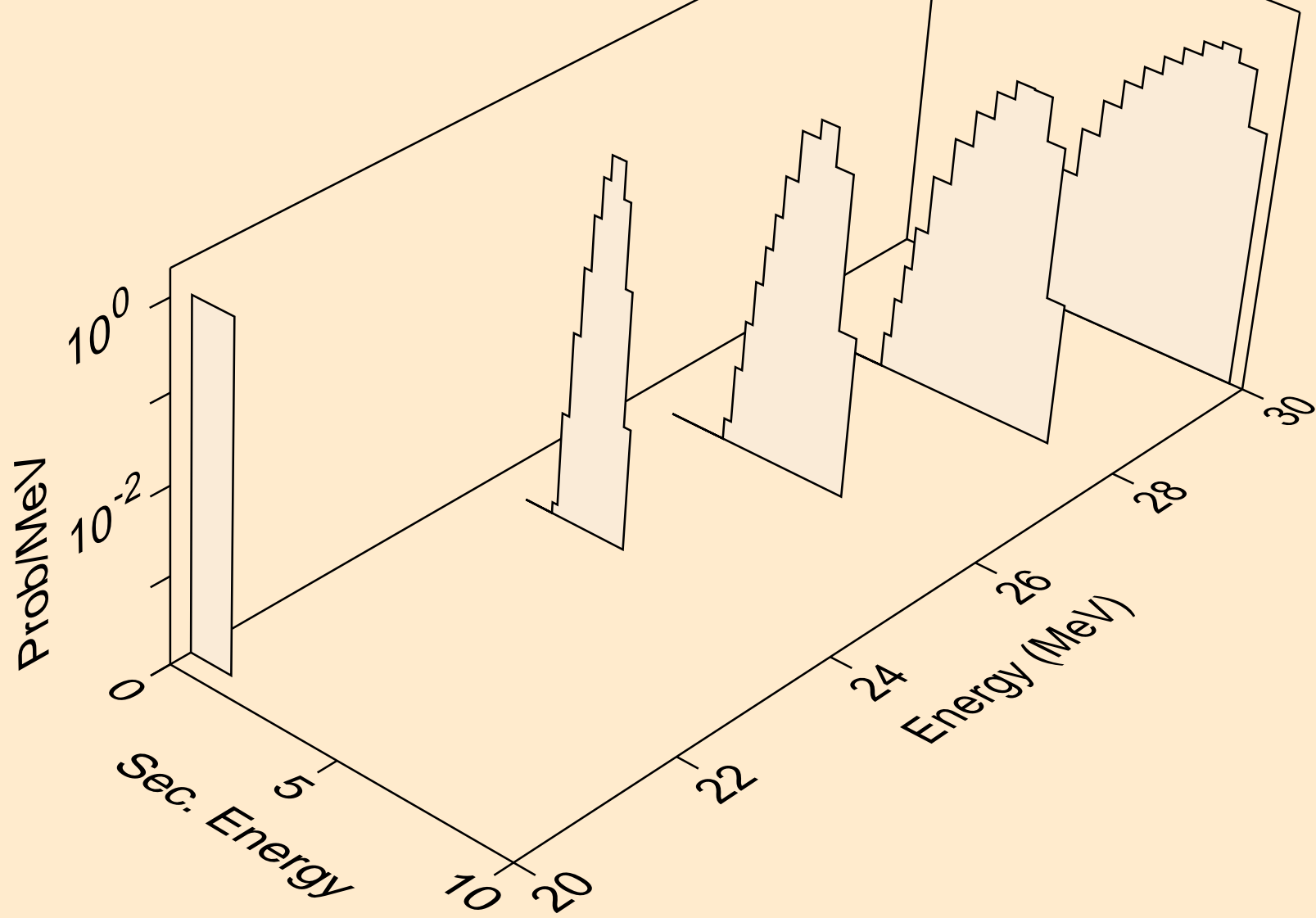


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

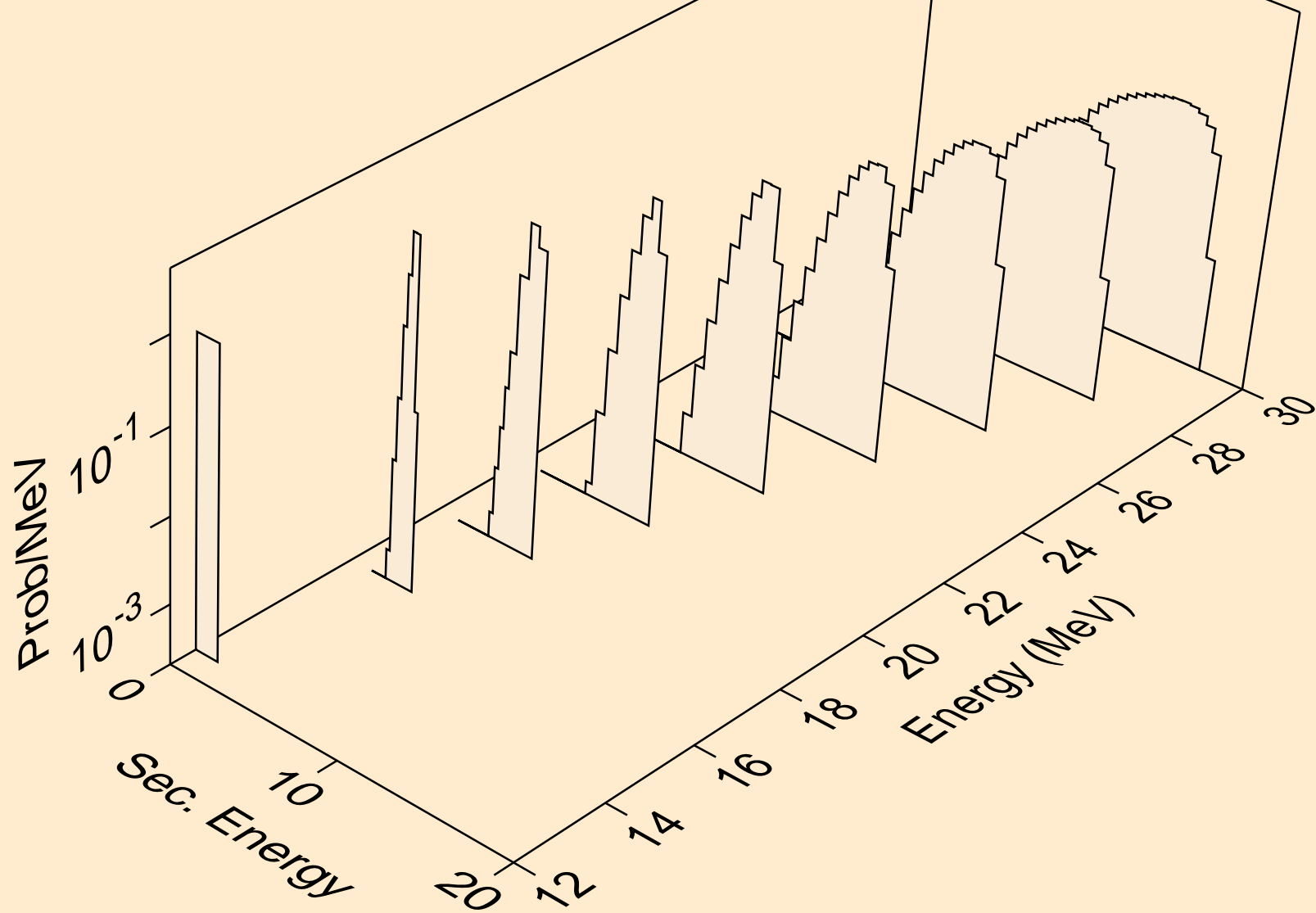




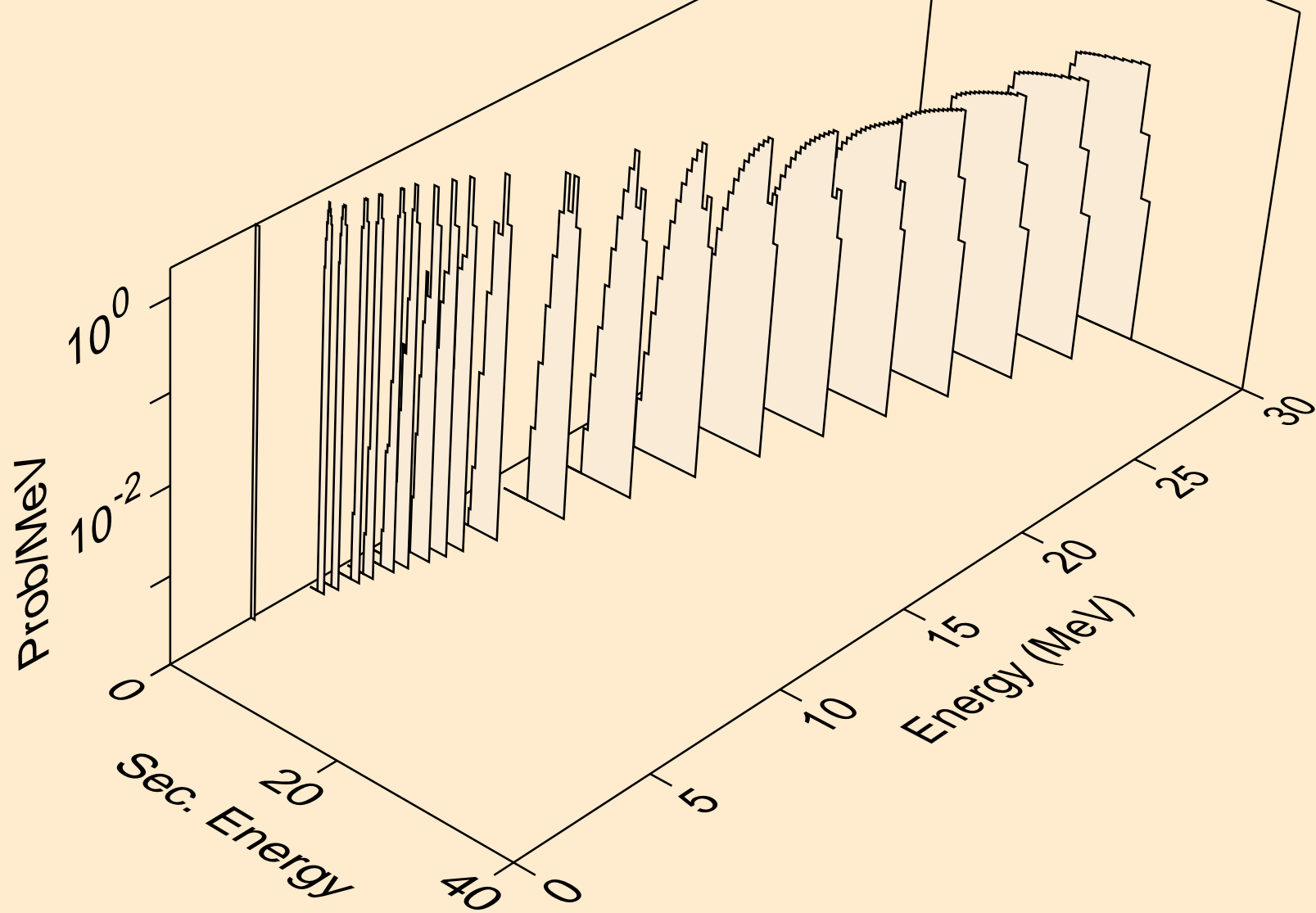
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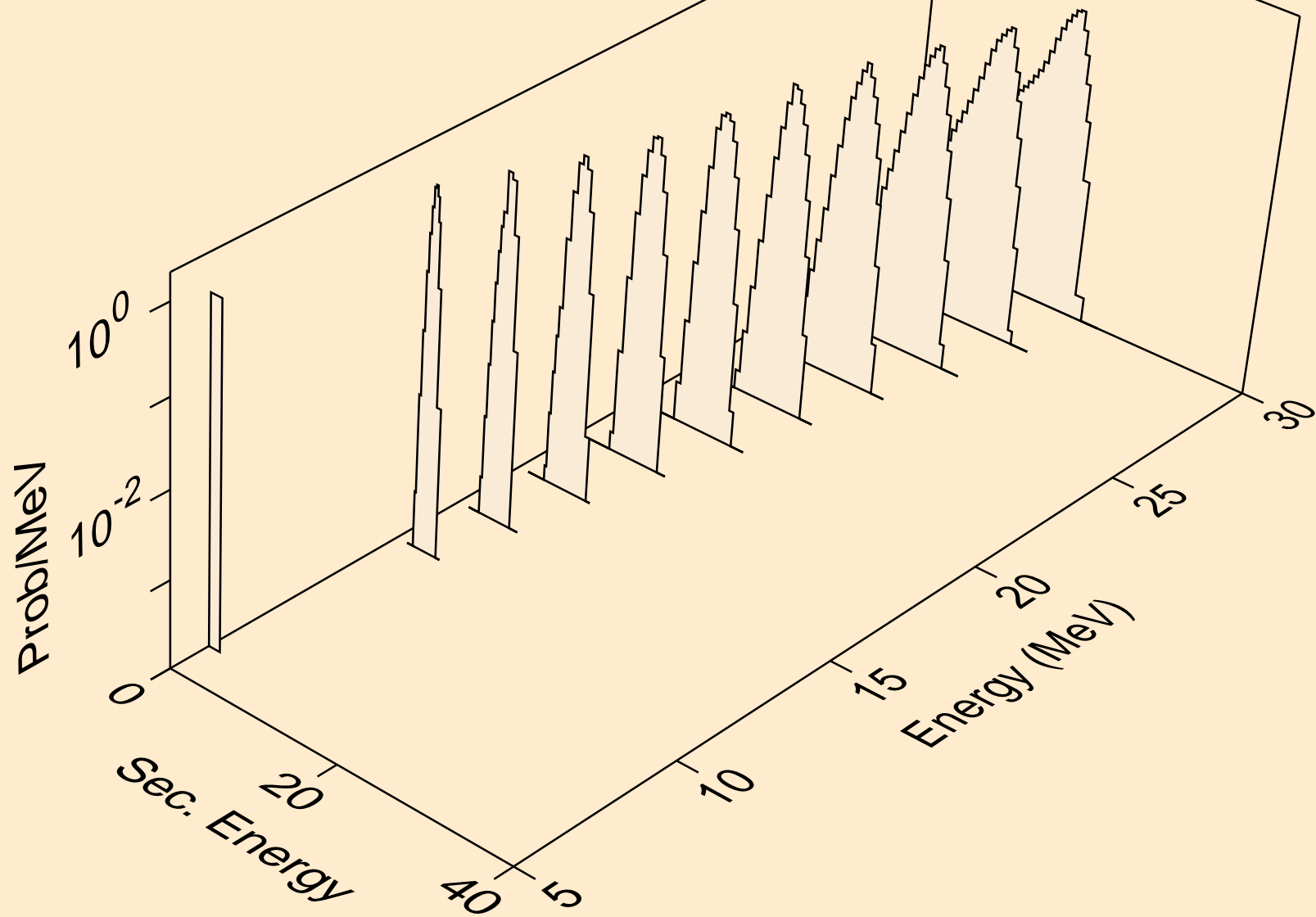
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deuterons from (n,n\*)d



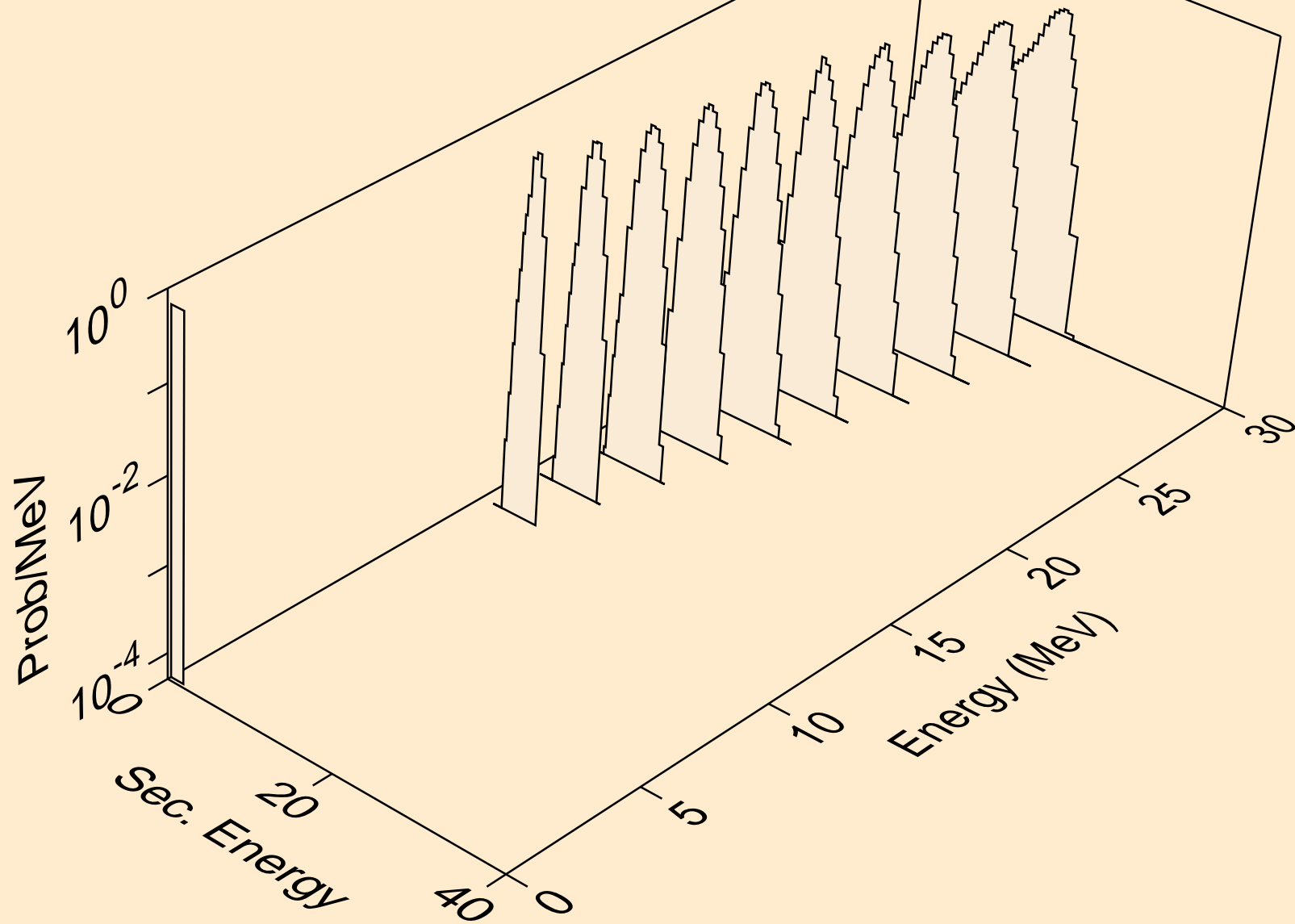
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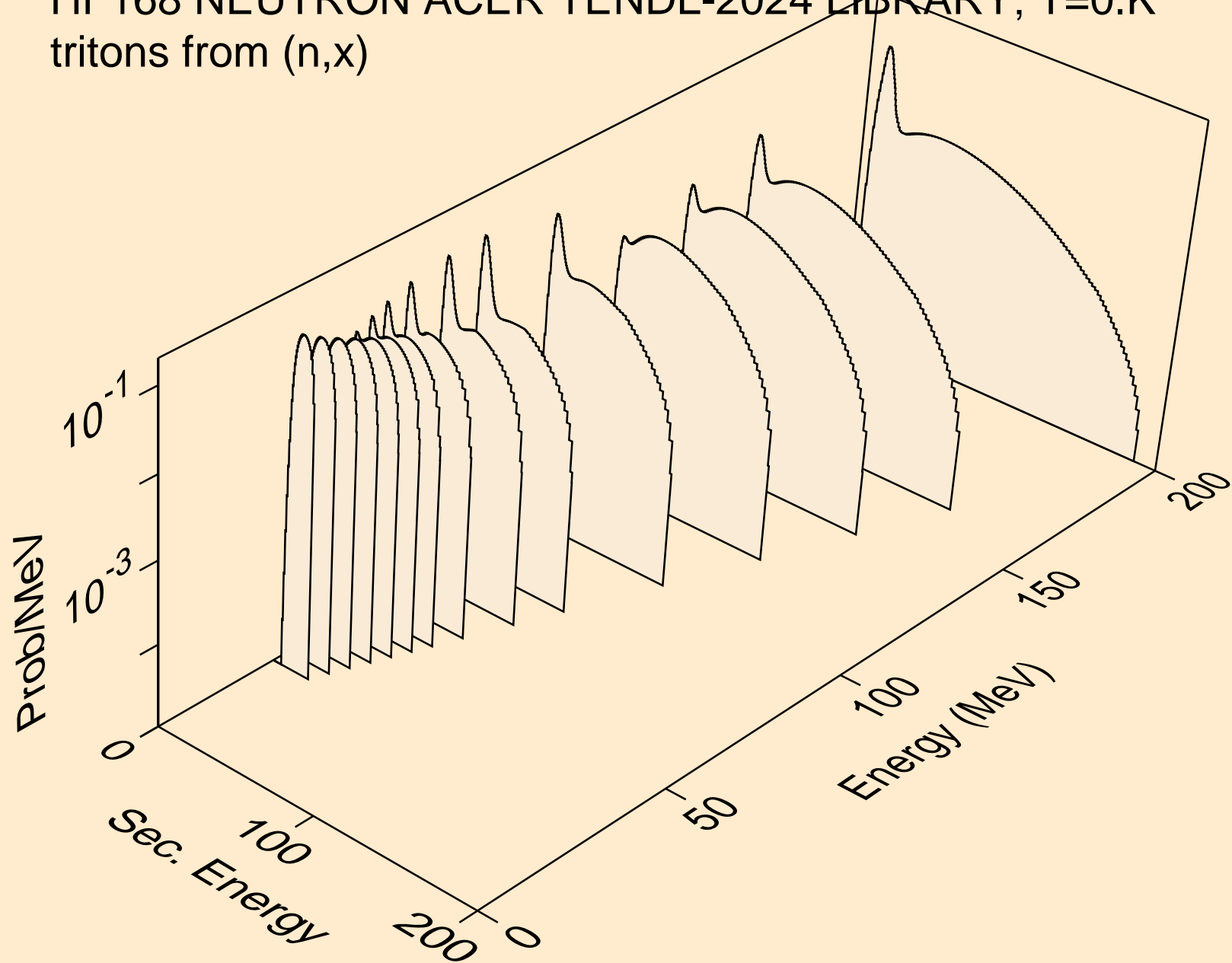
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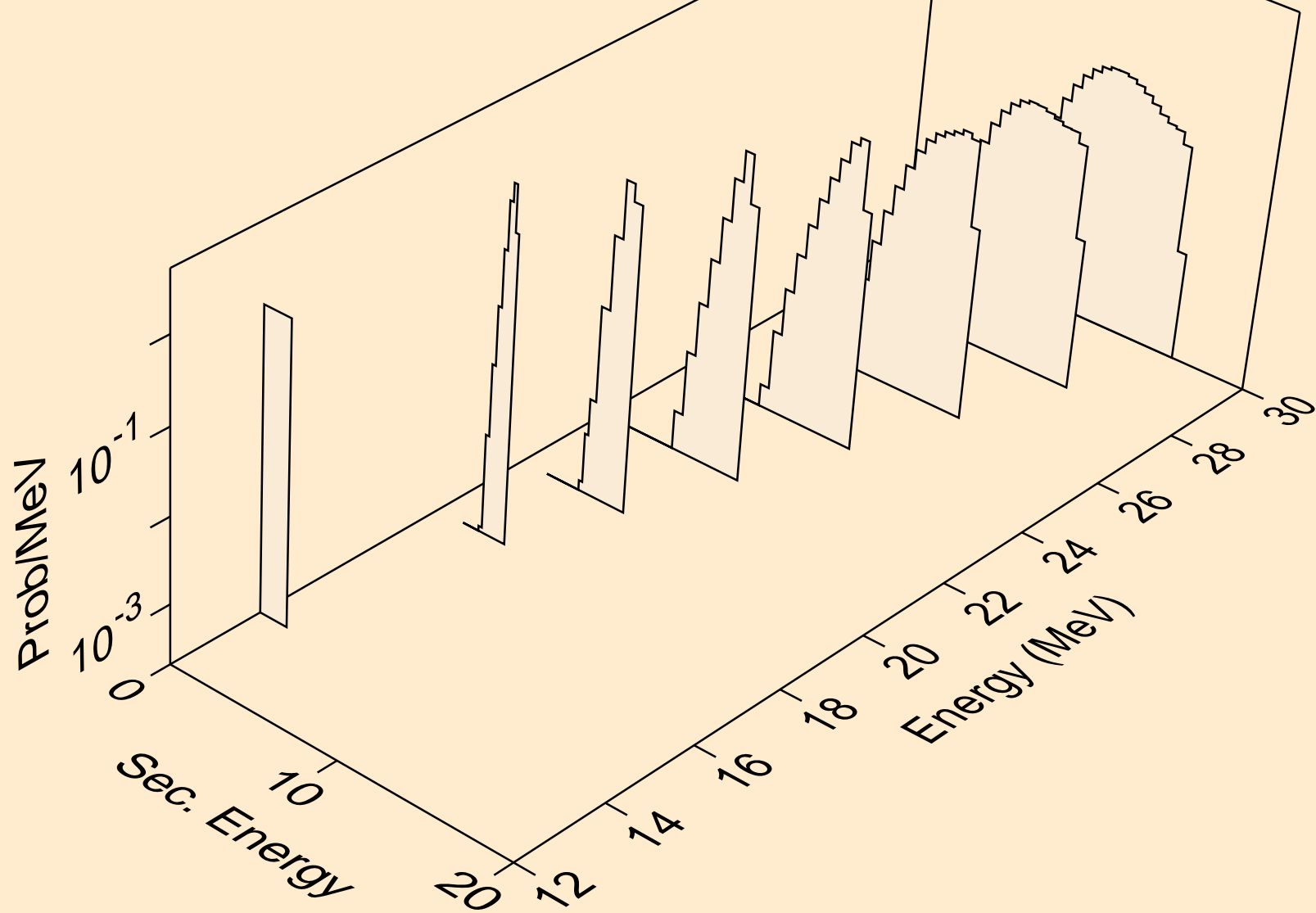
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deuterons from (n,da)



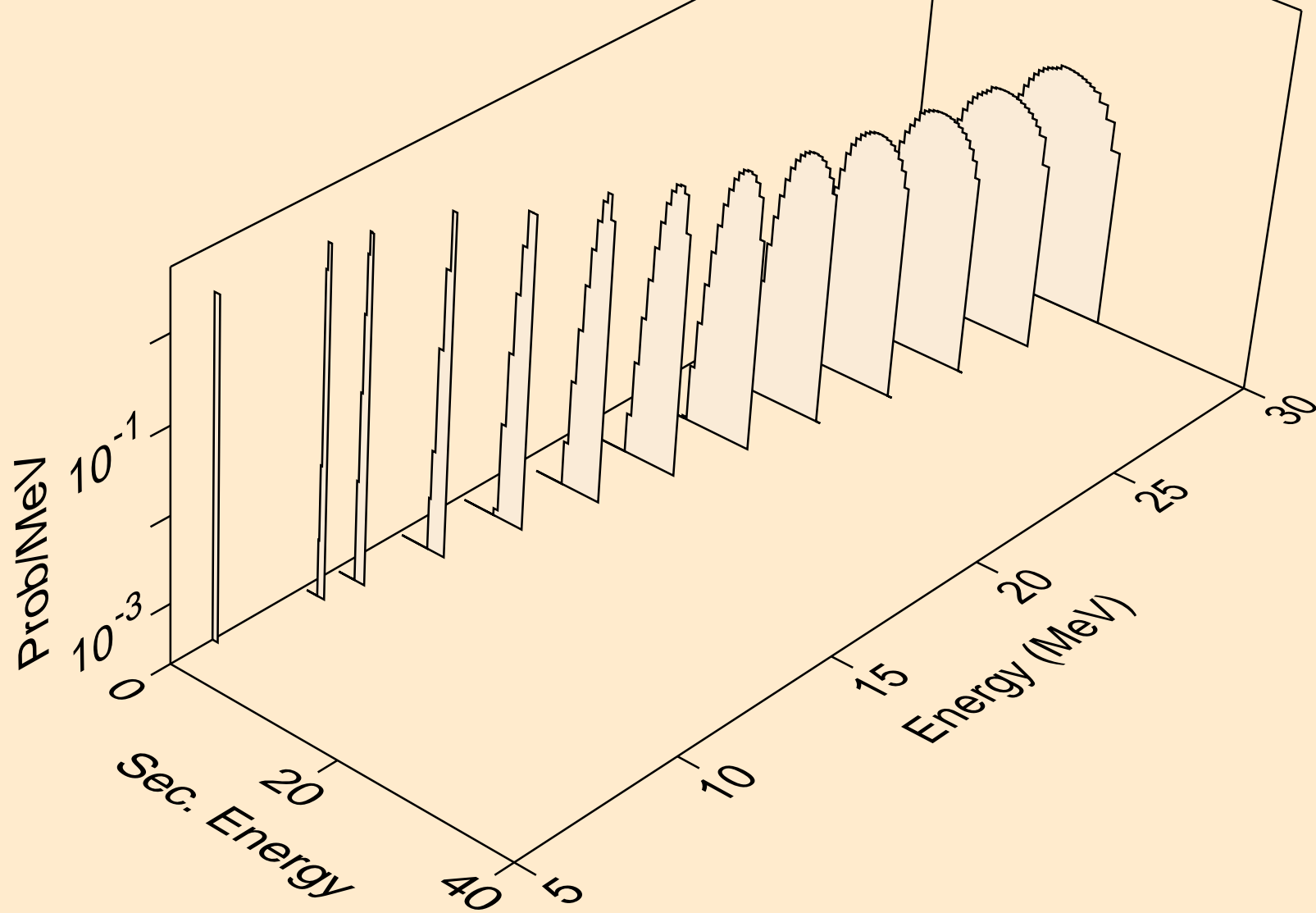
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

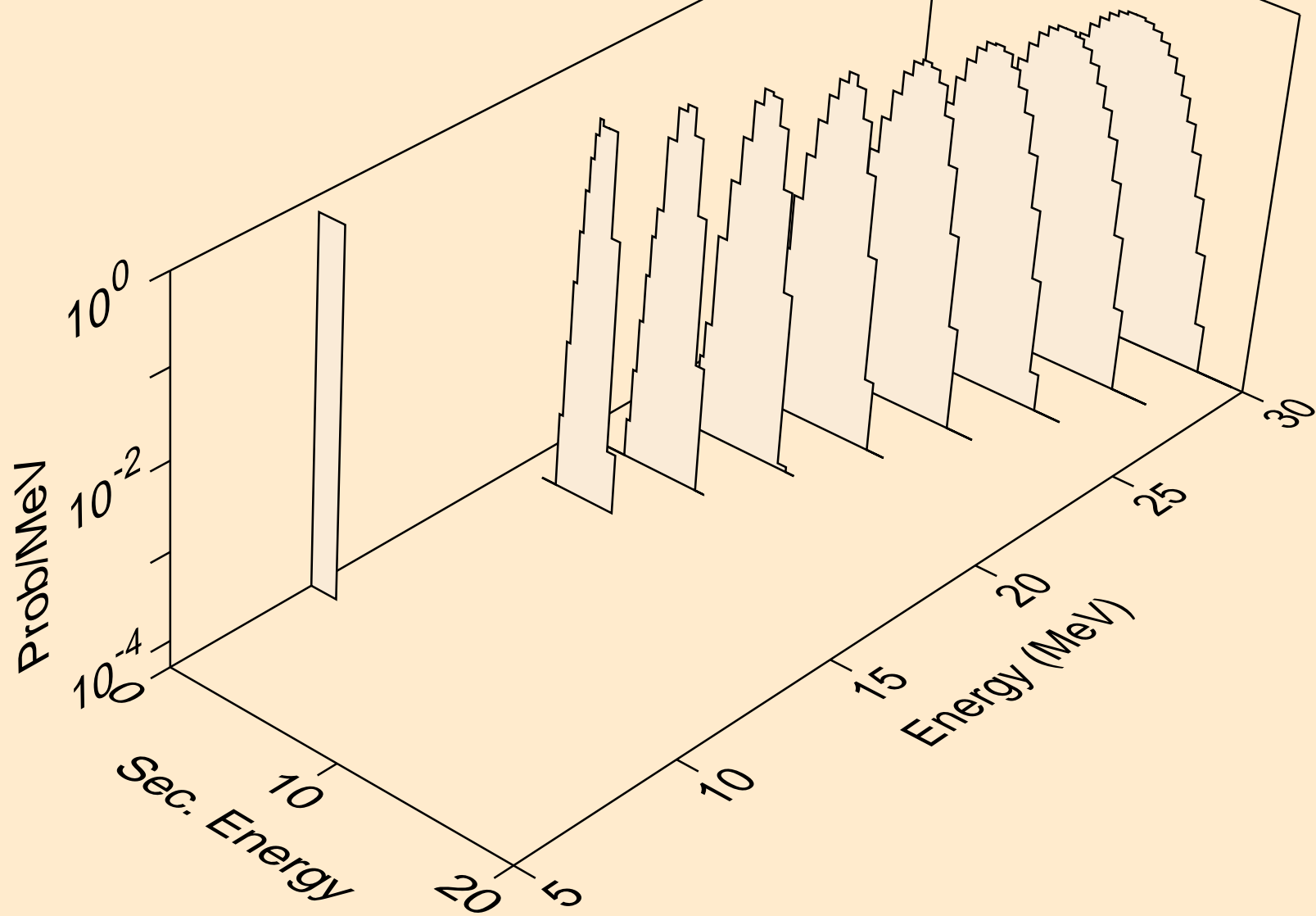


HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

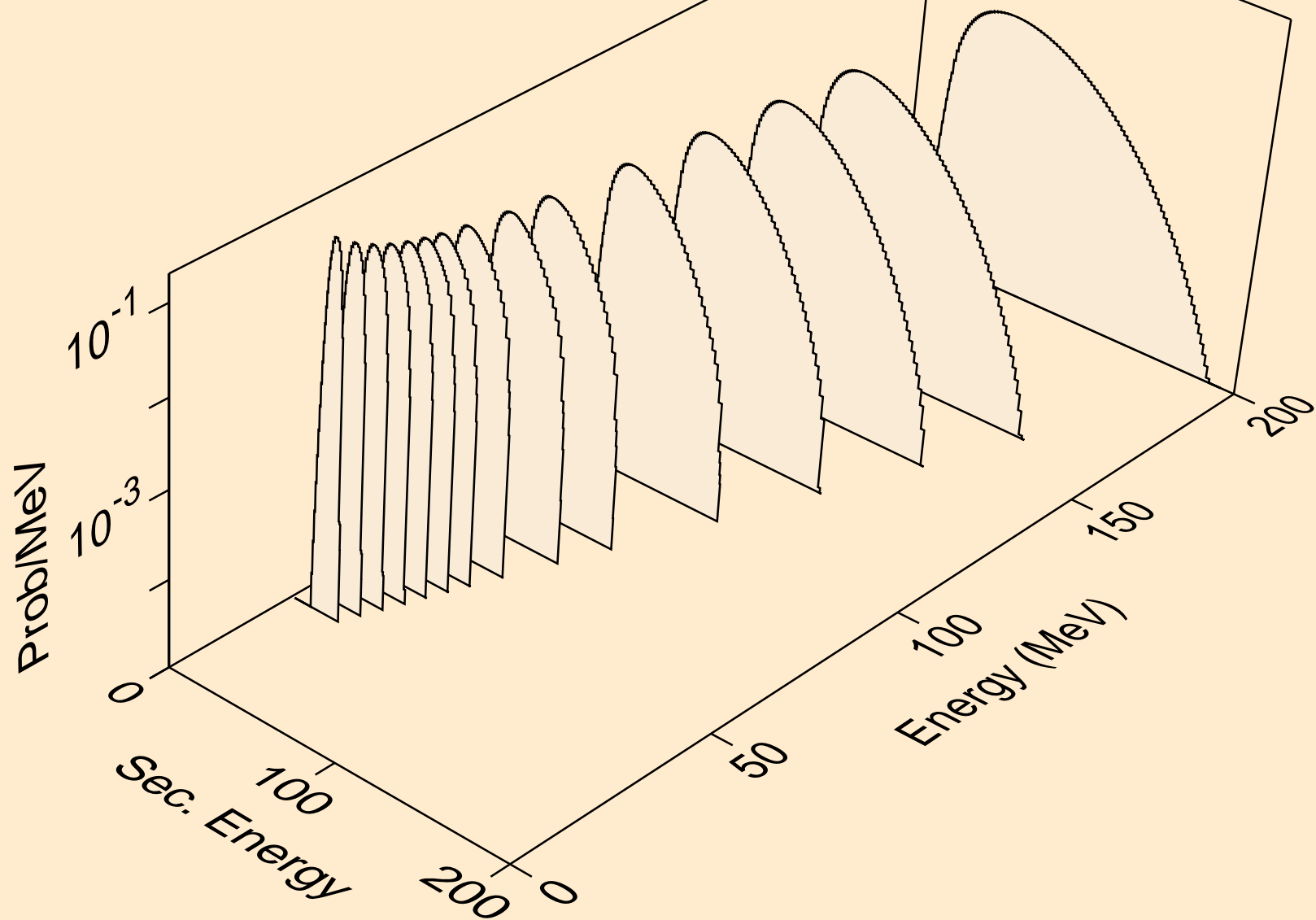




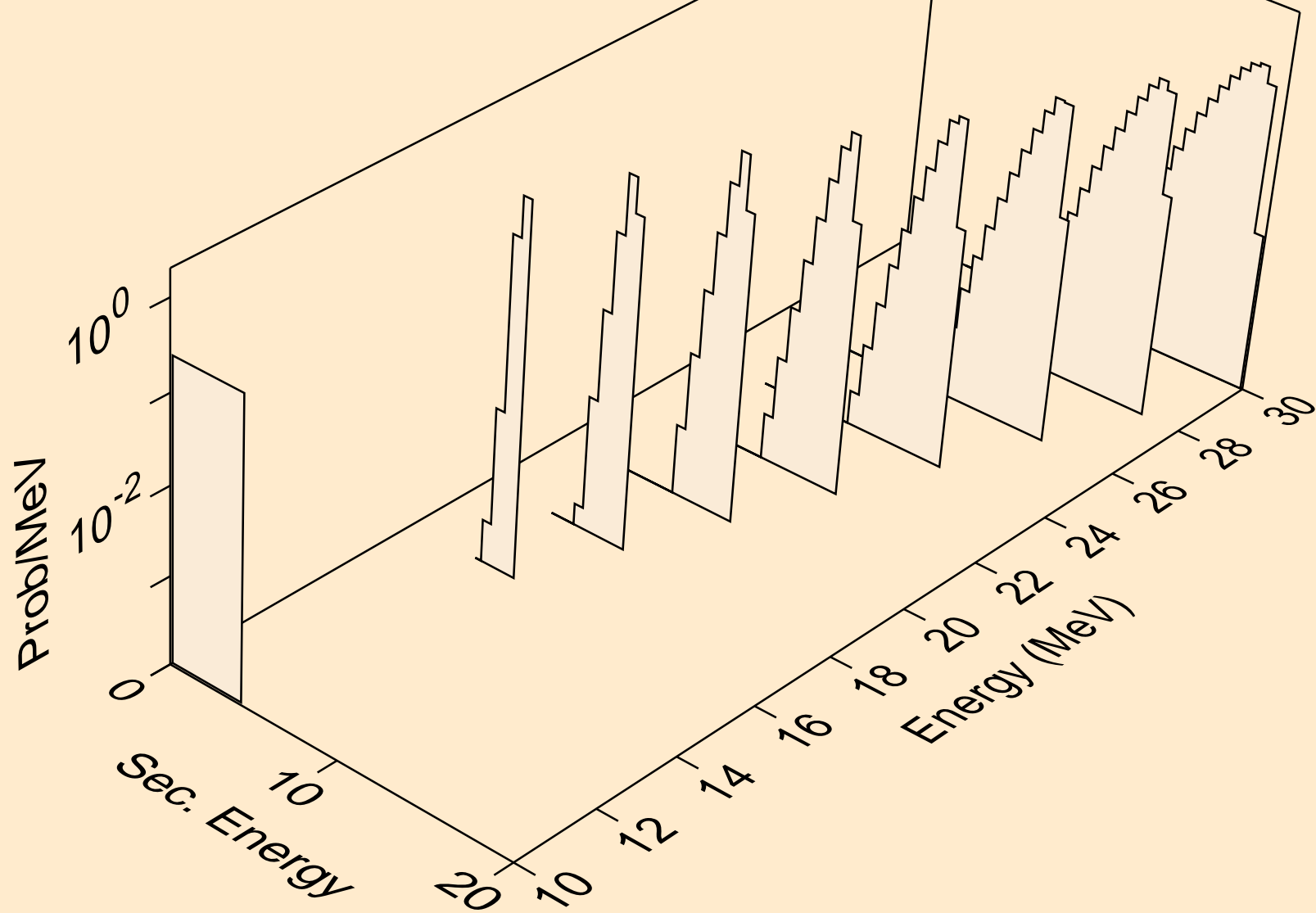
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tritons from (n,pt)



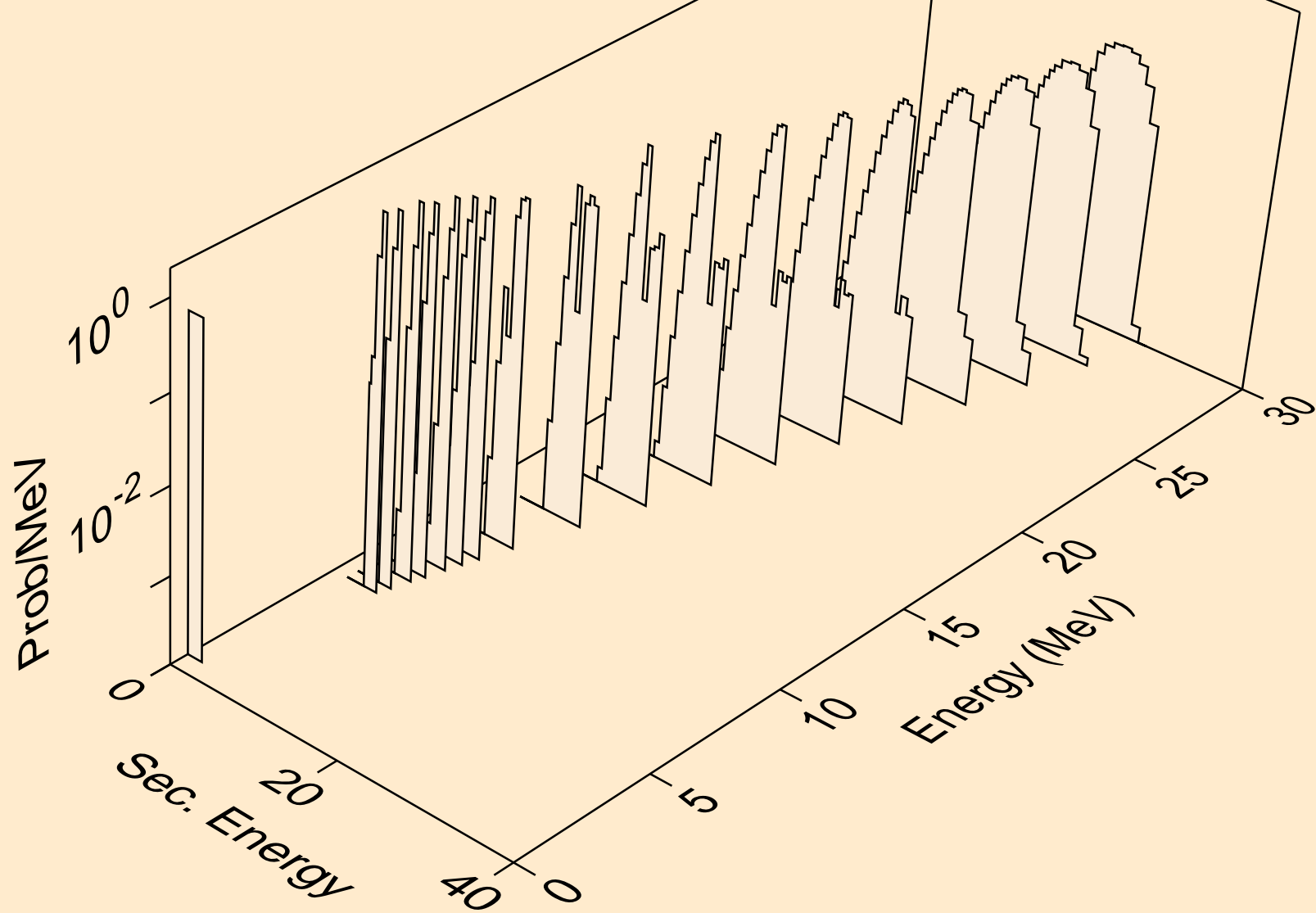
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he3s from (n,x)



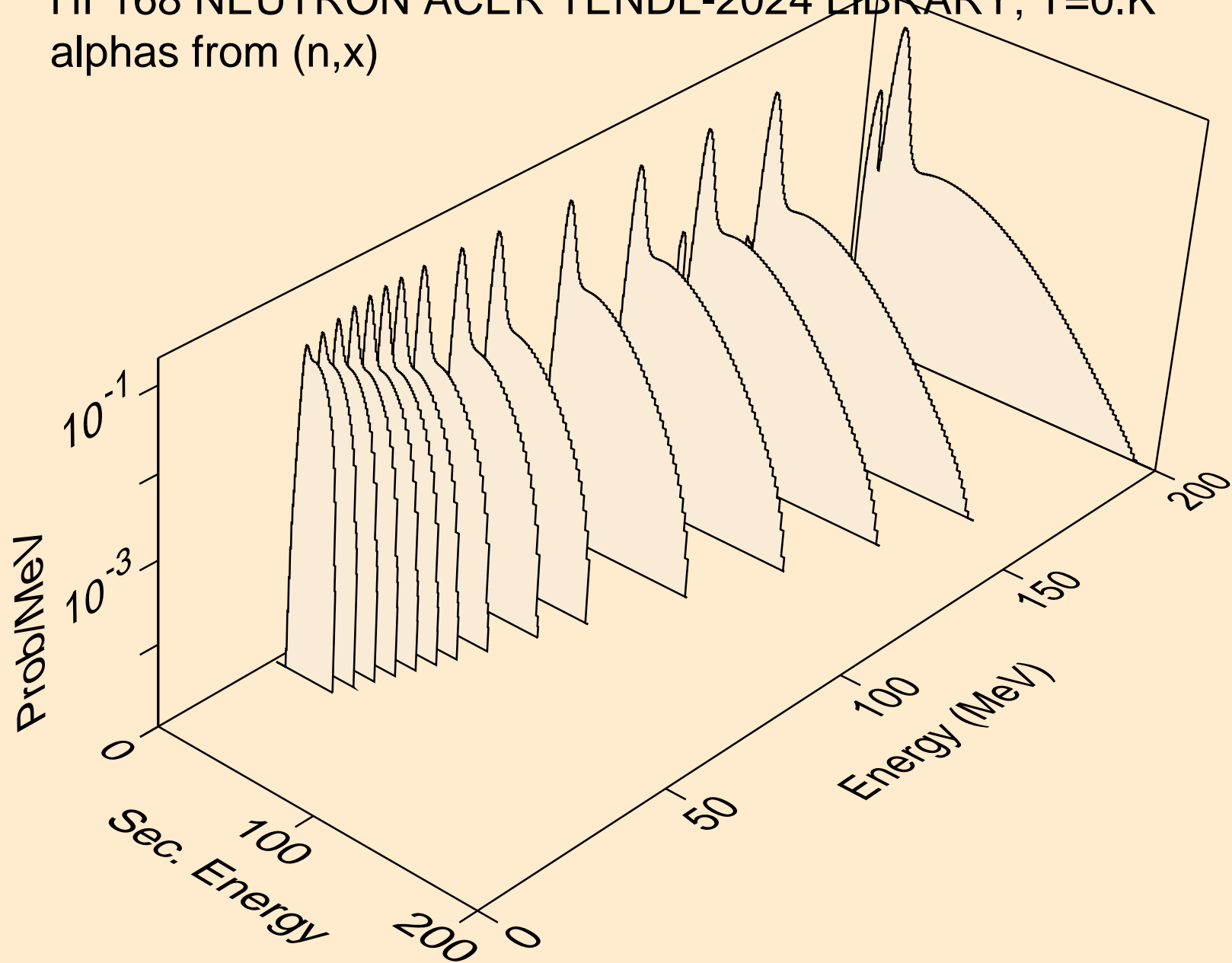
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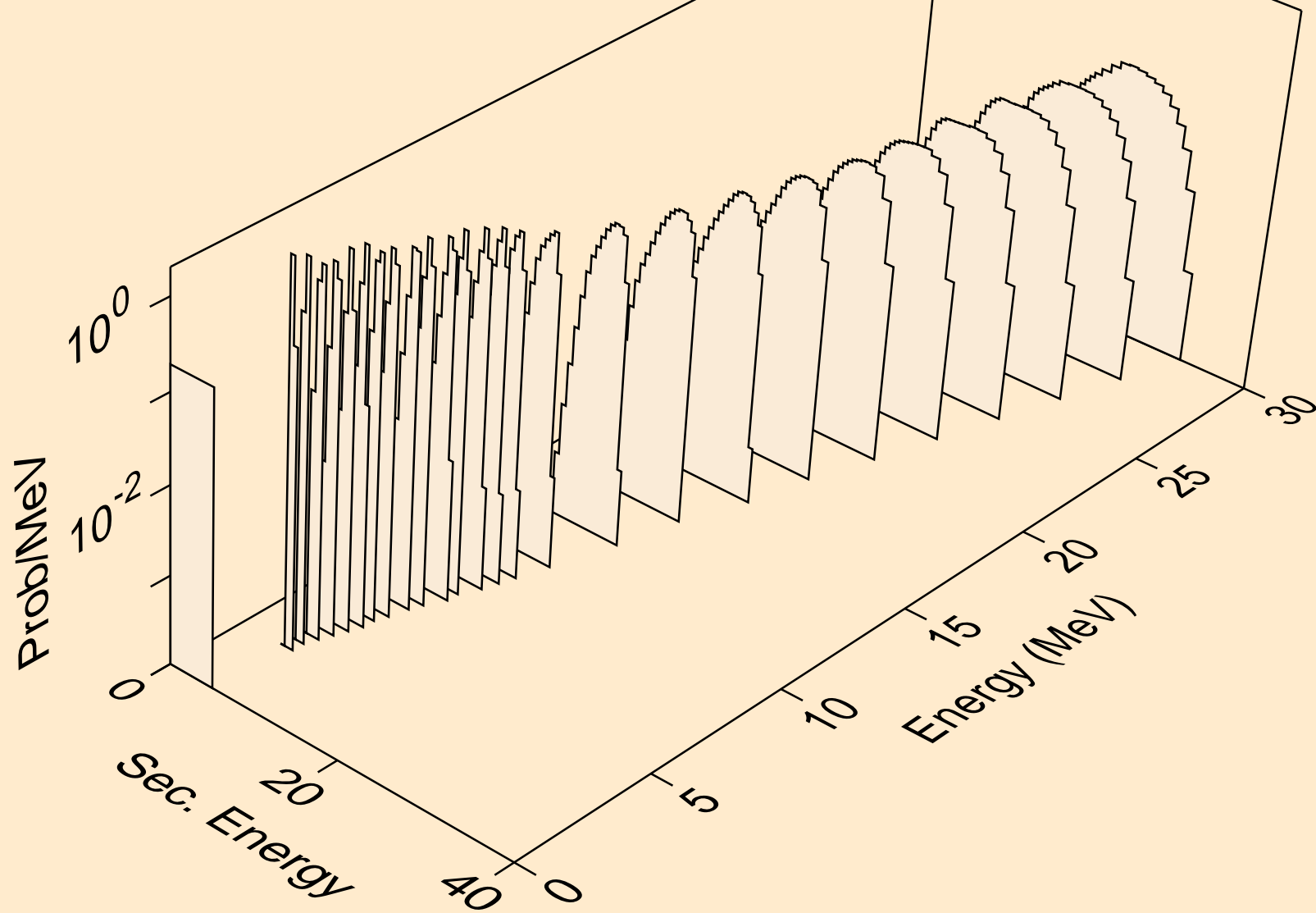
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he3s from (n,he3)



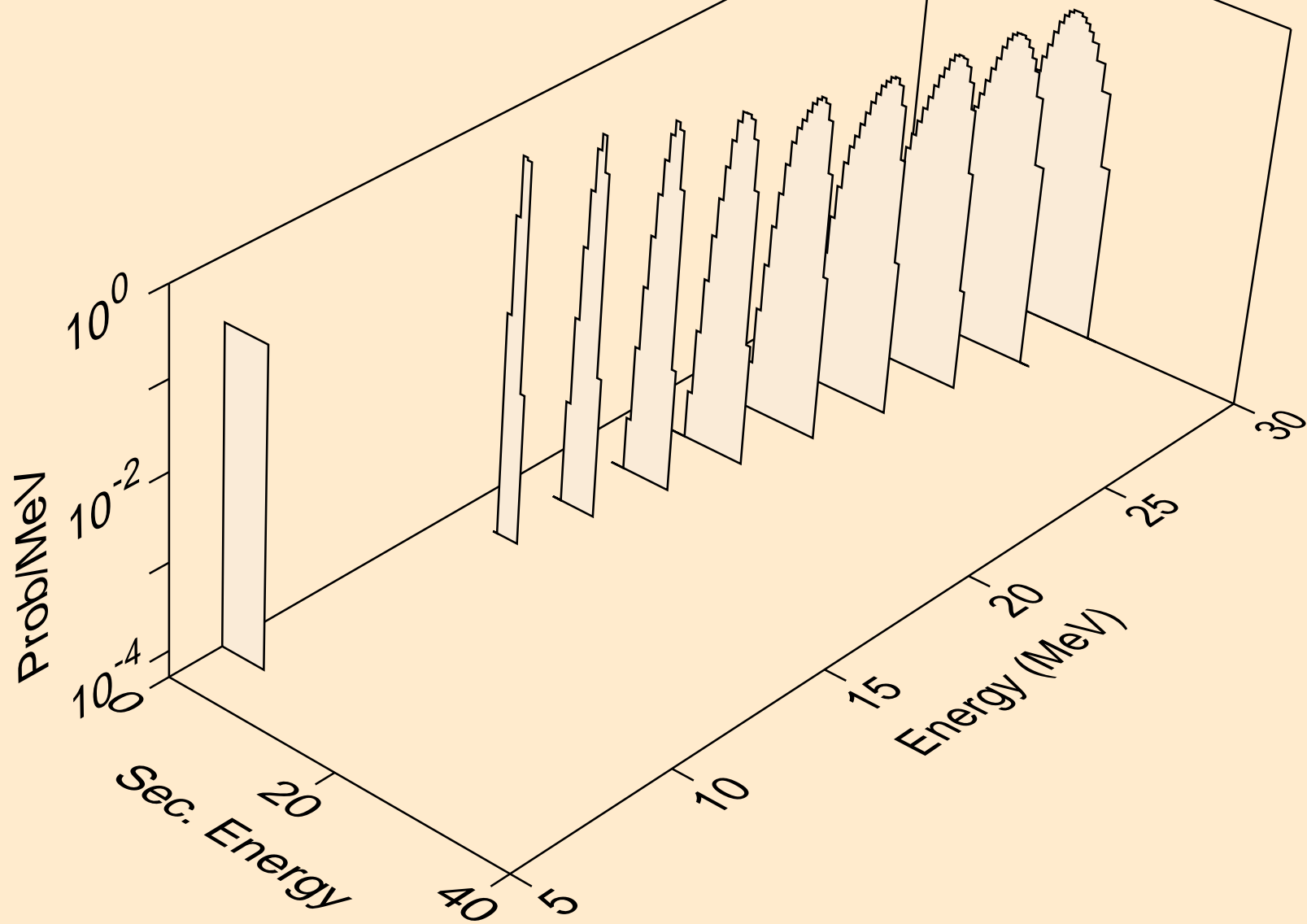
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



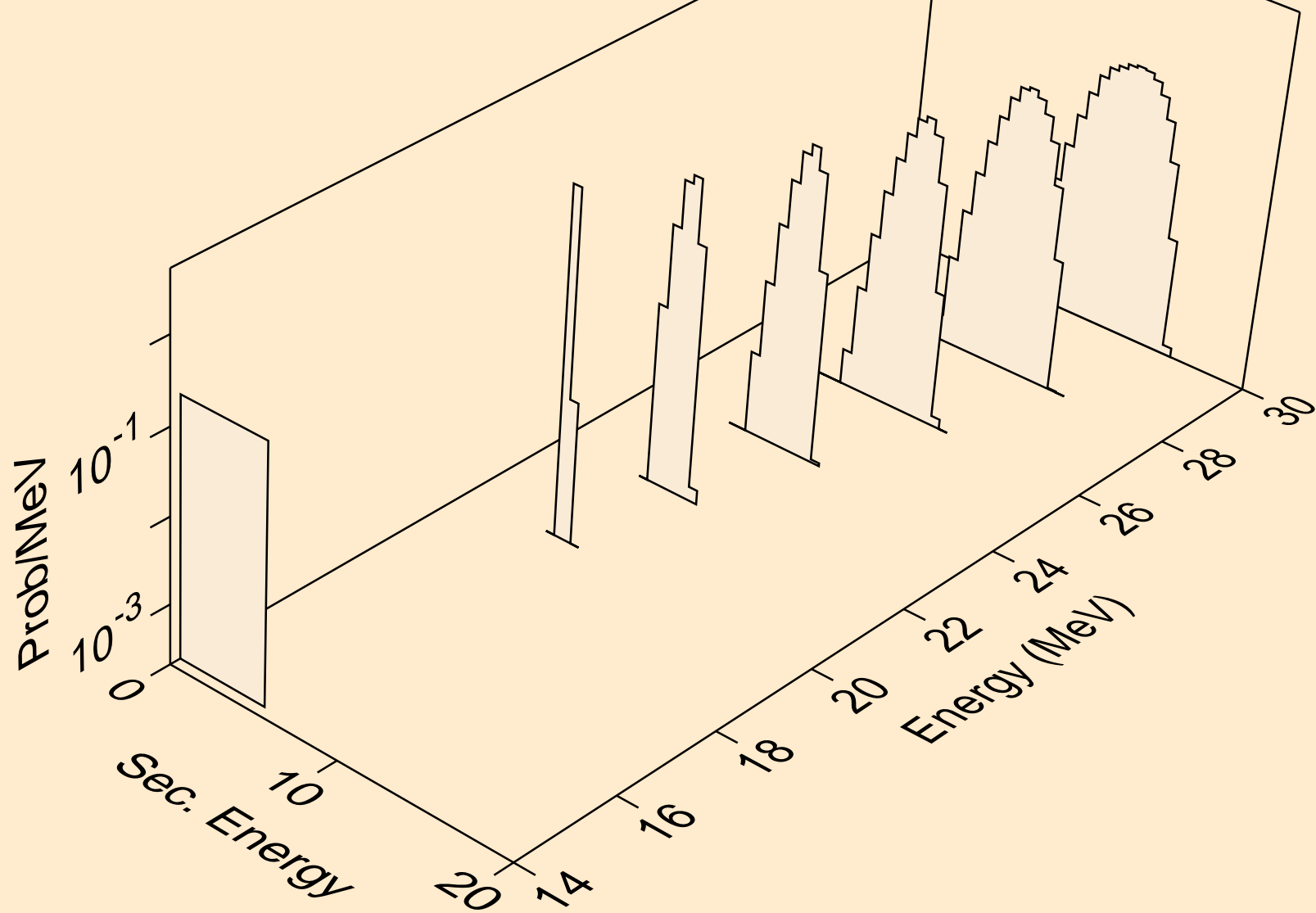
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a

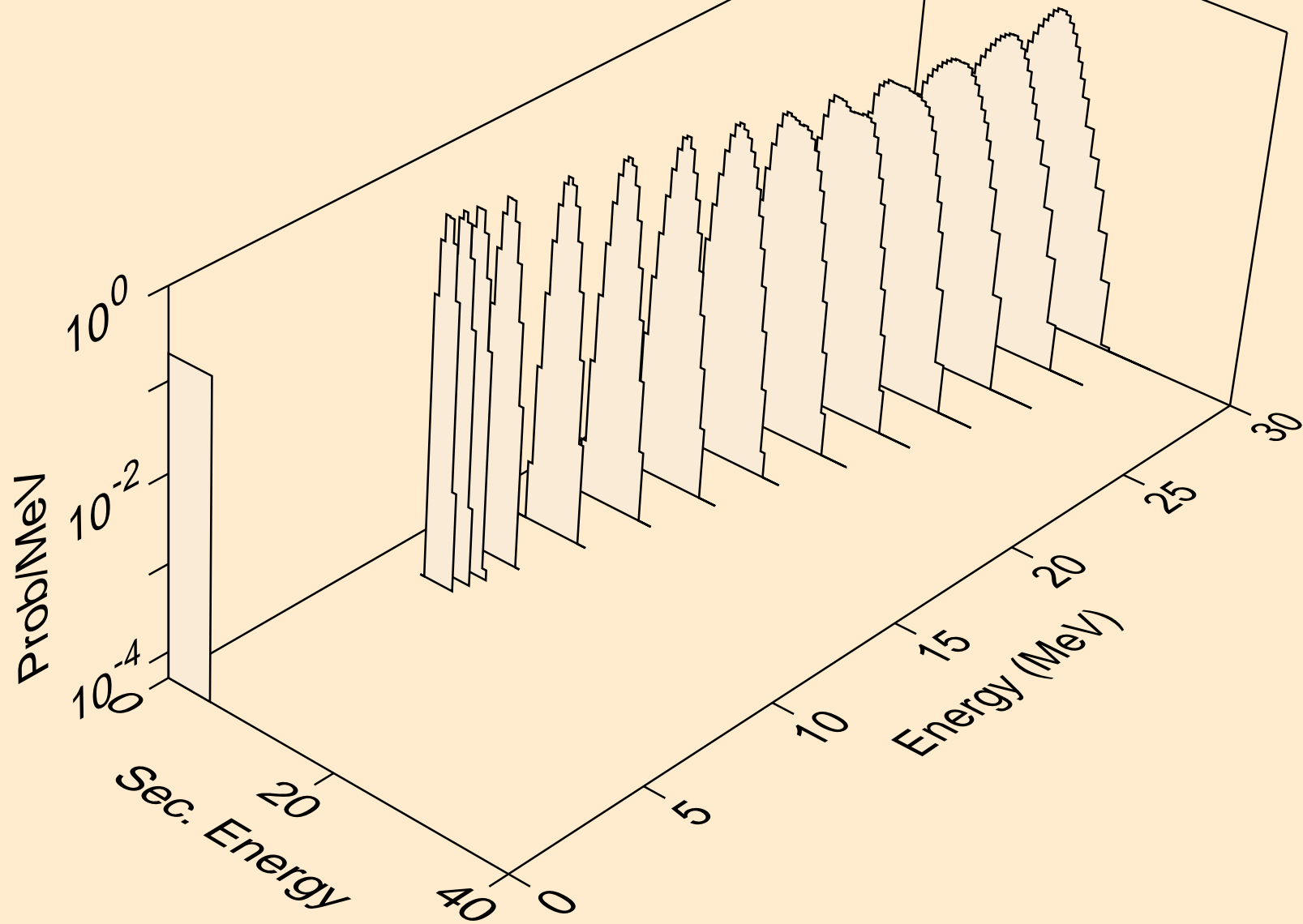


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alphas from (n,3n)a

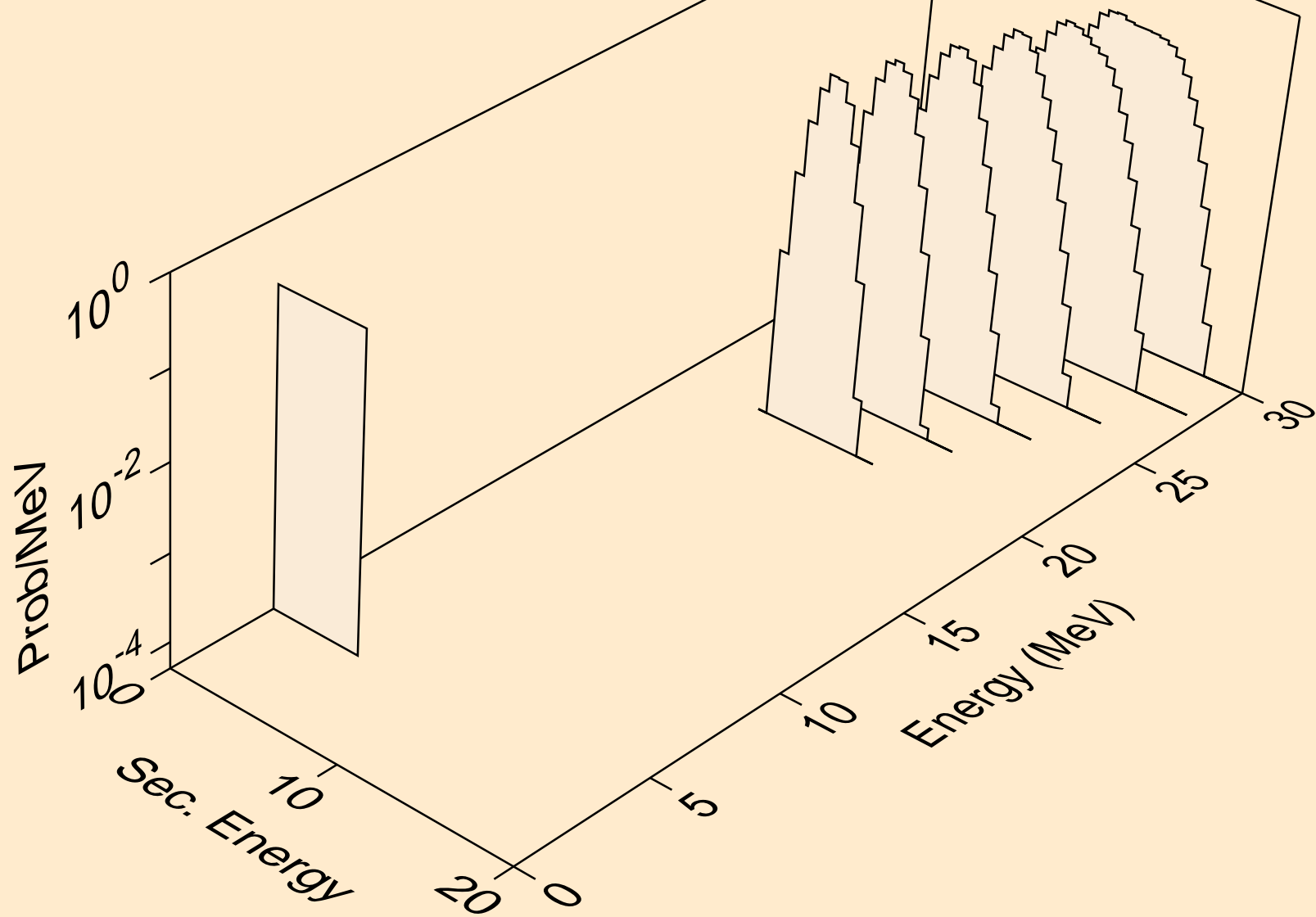




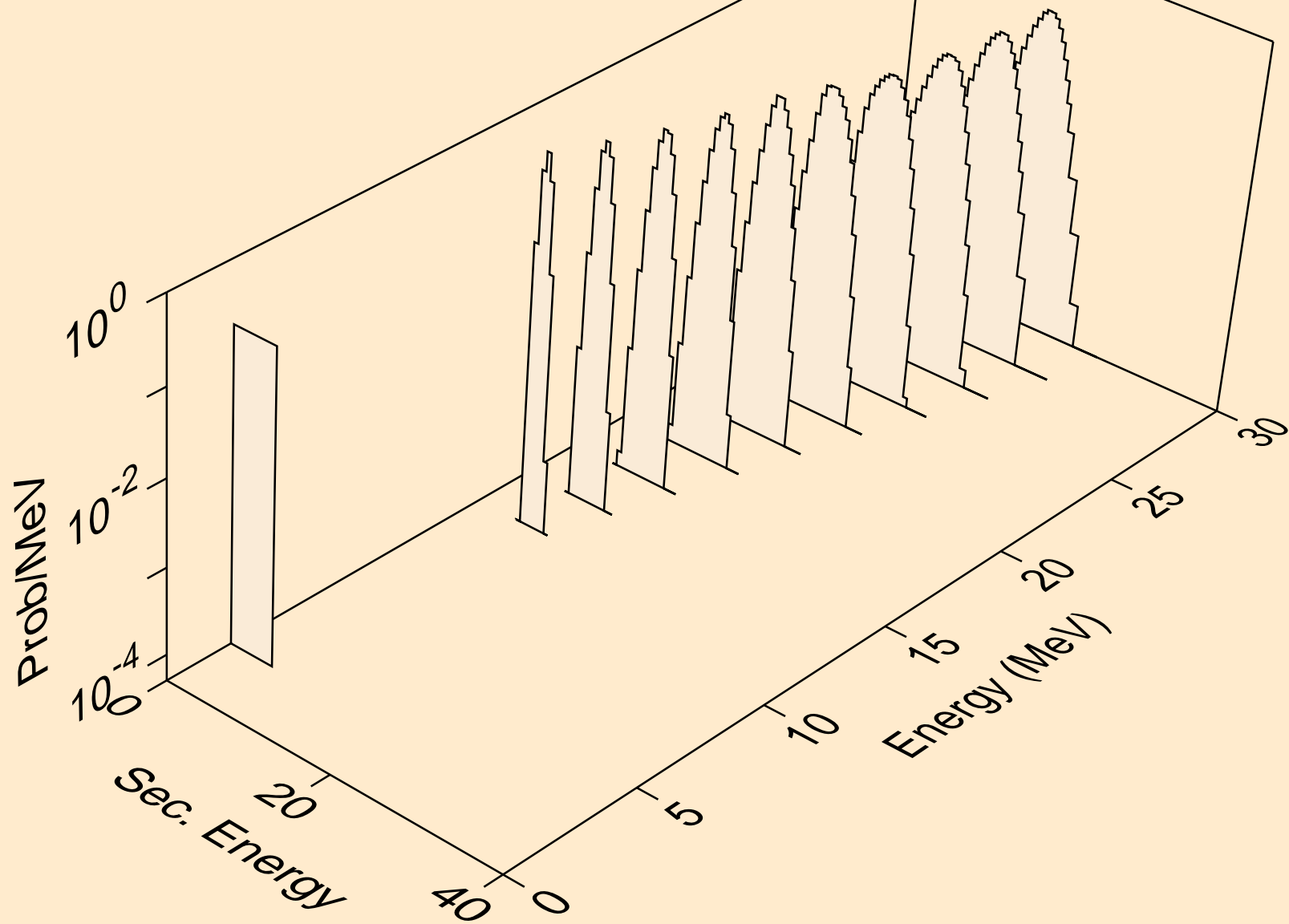
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



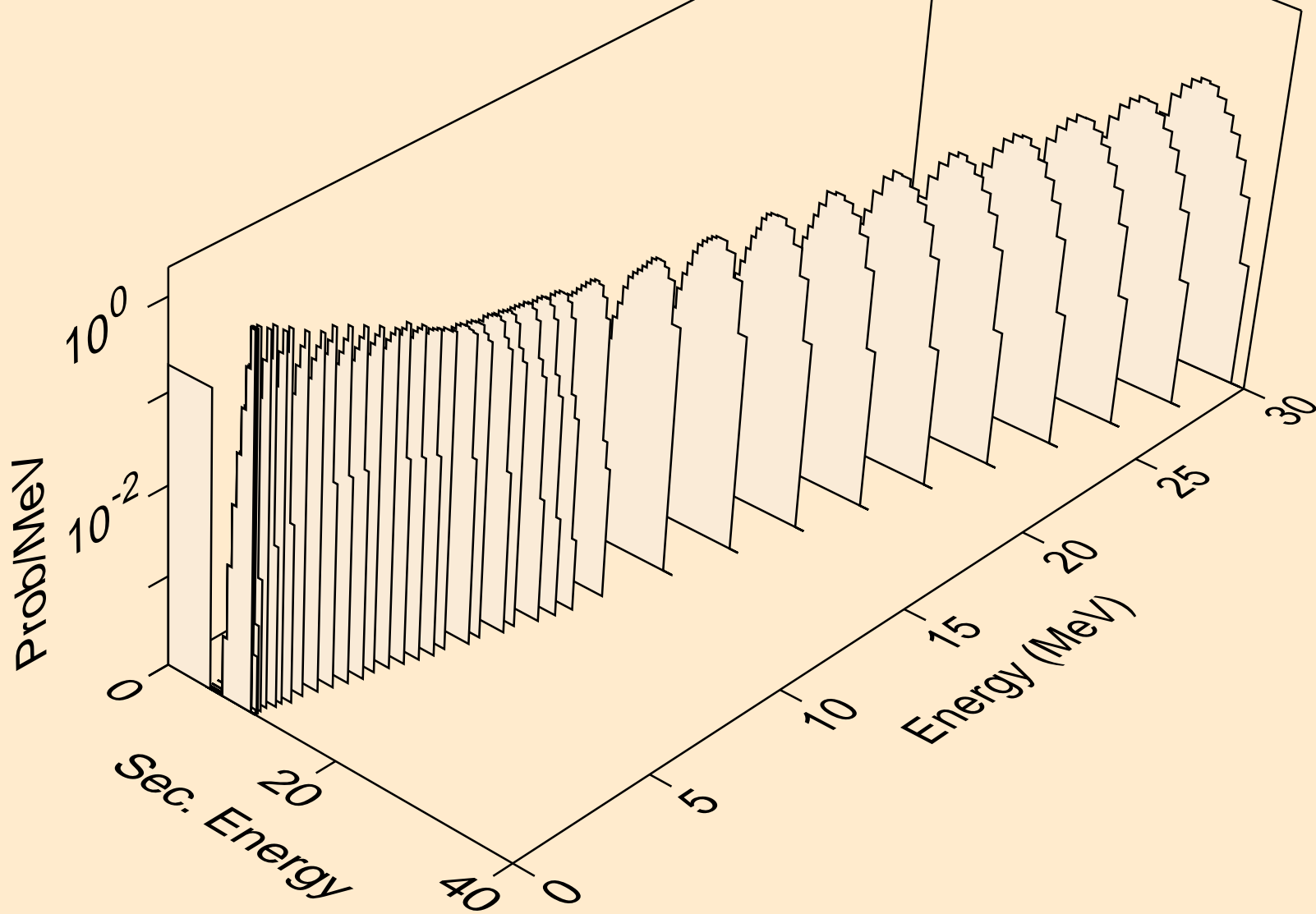
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a



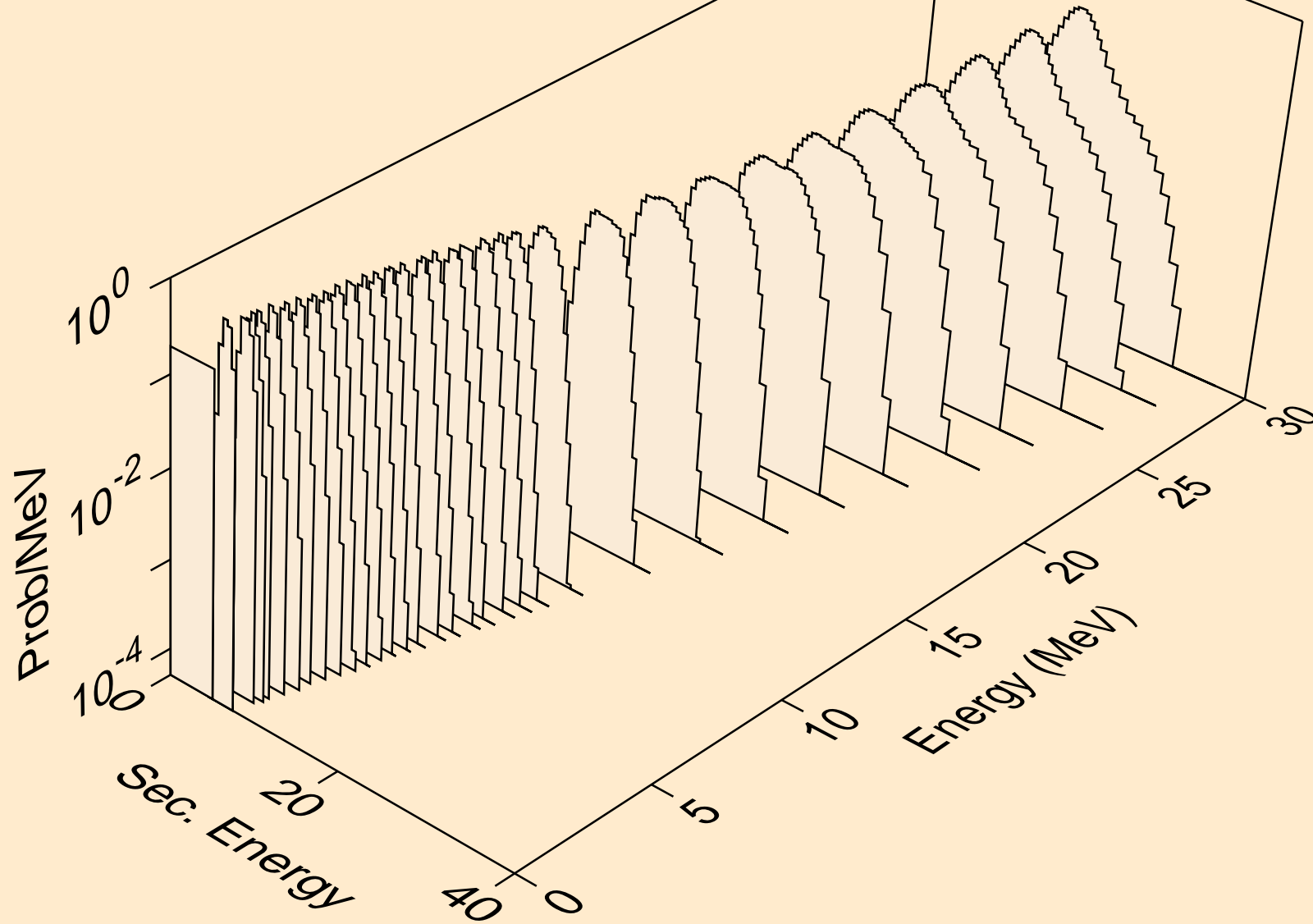
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



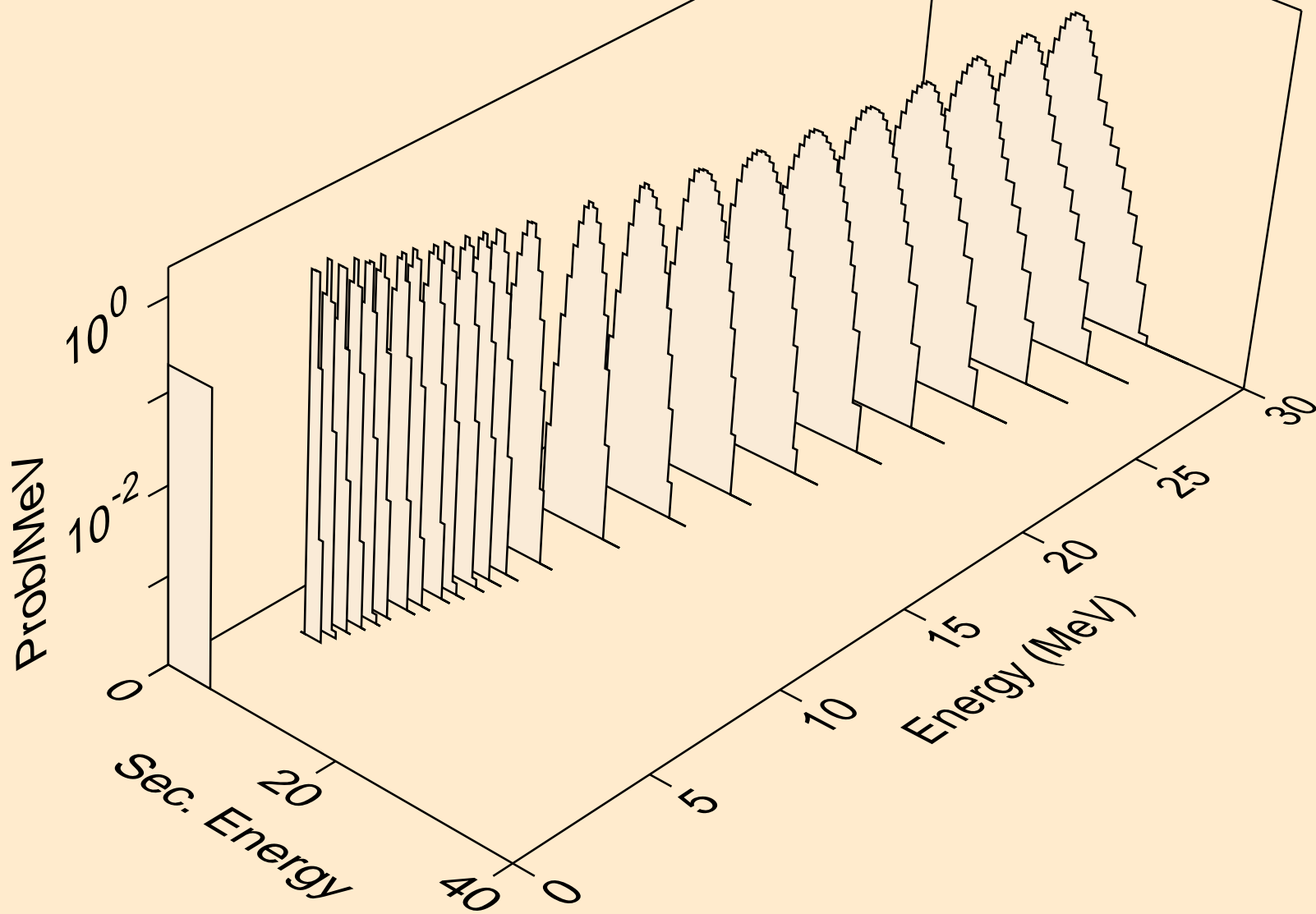
HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HF168 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

