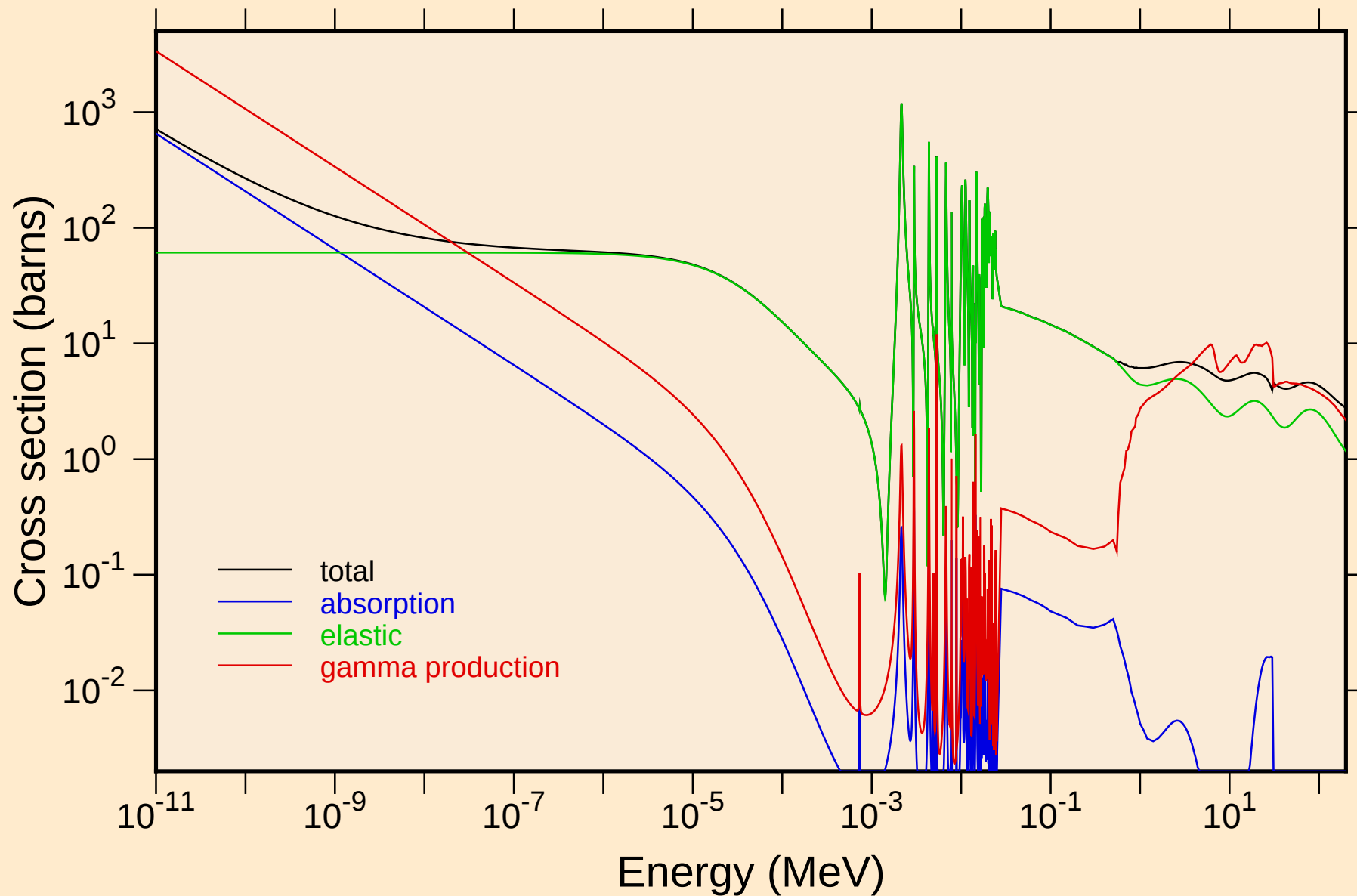
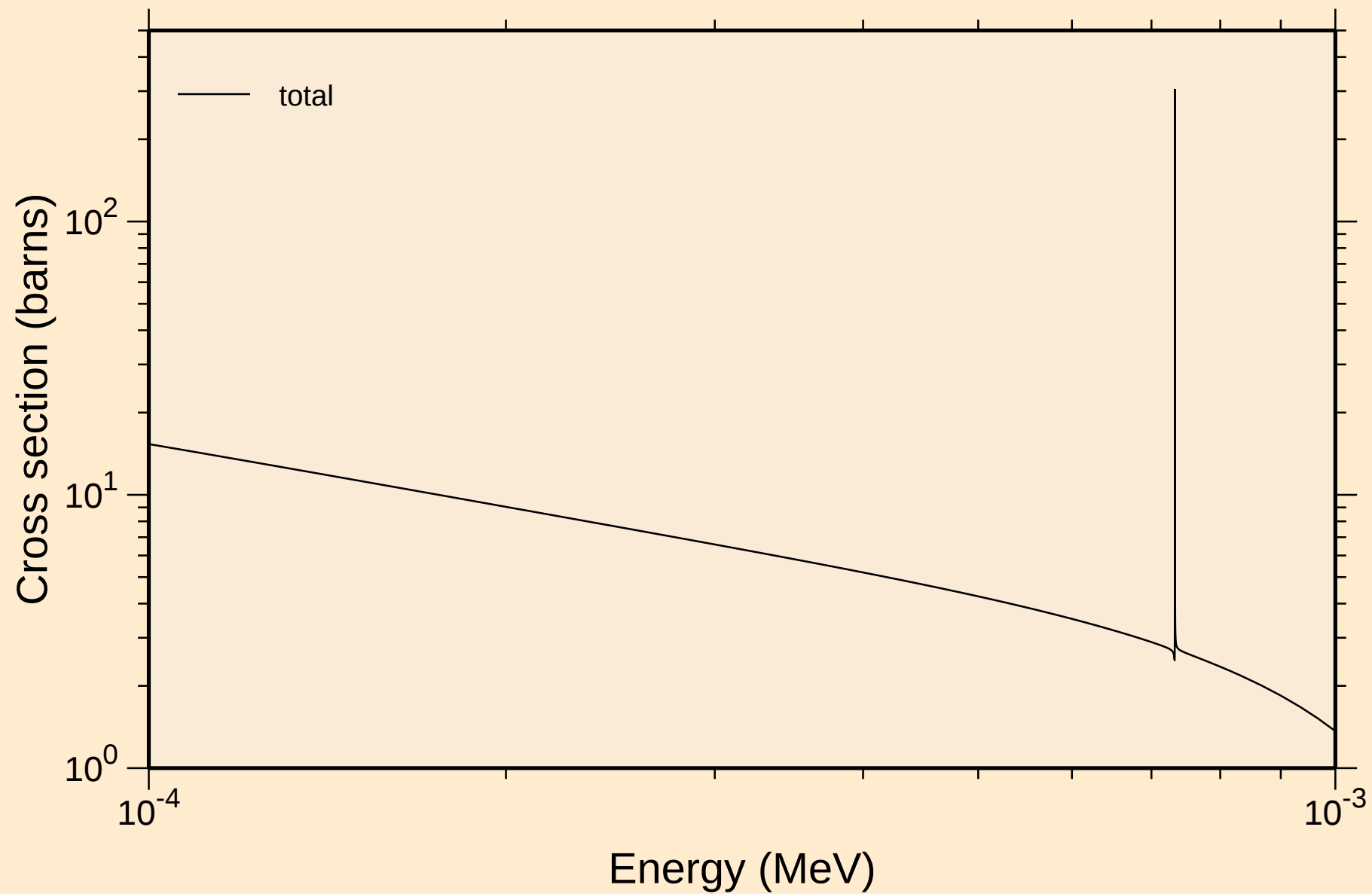


# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

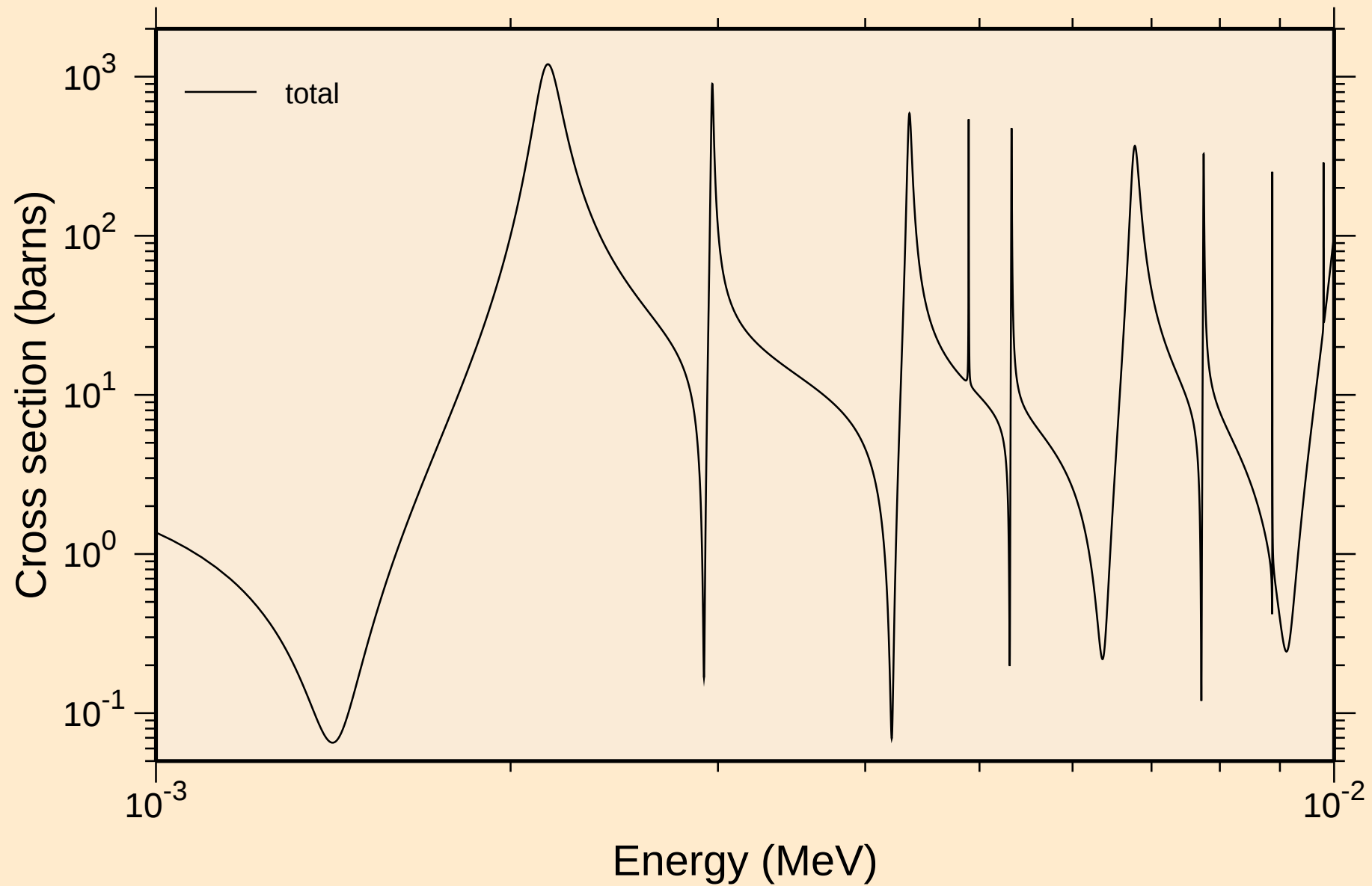
## Principal cross sections



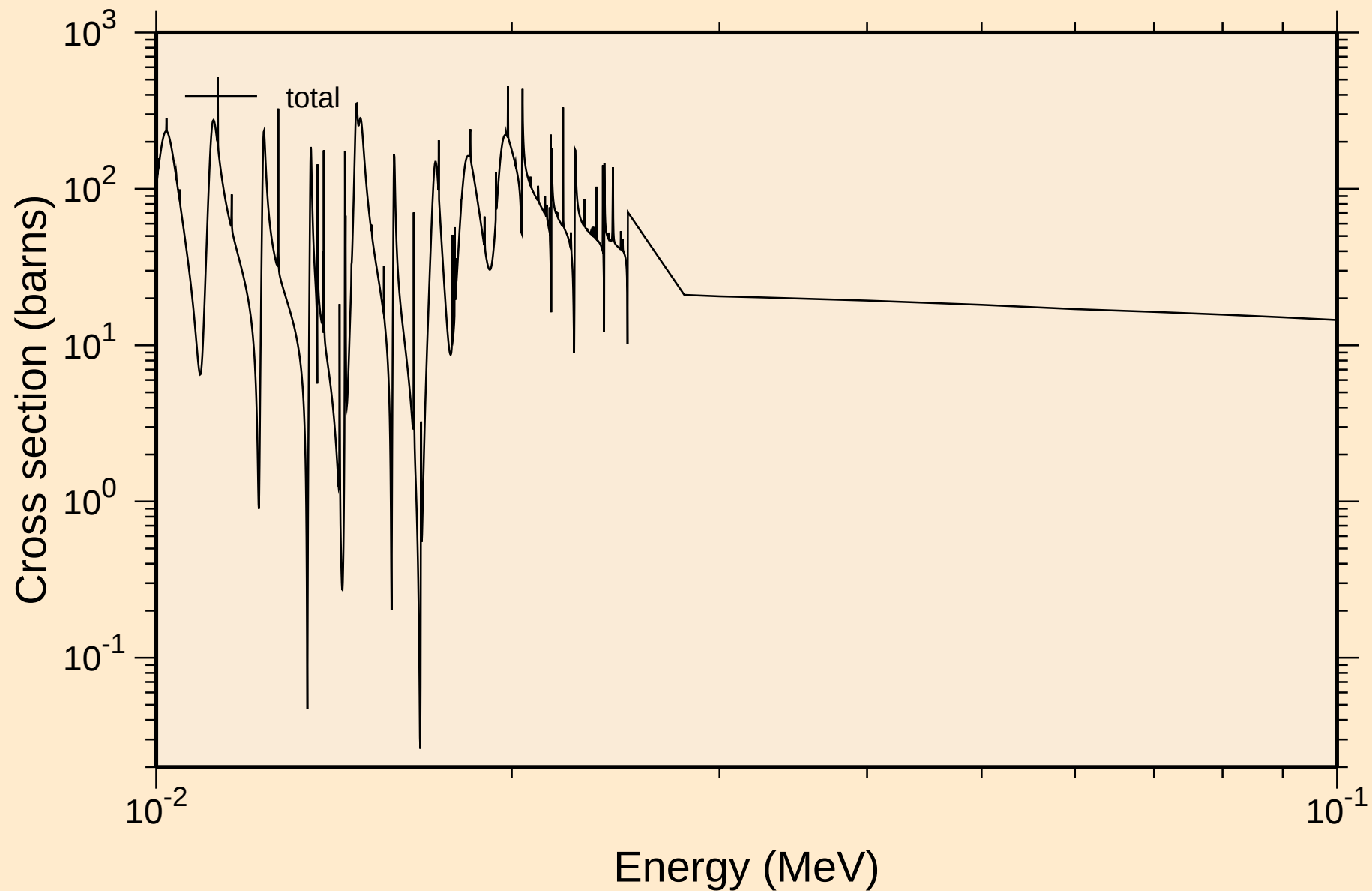
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



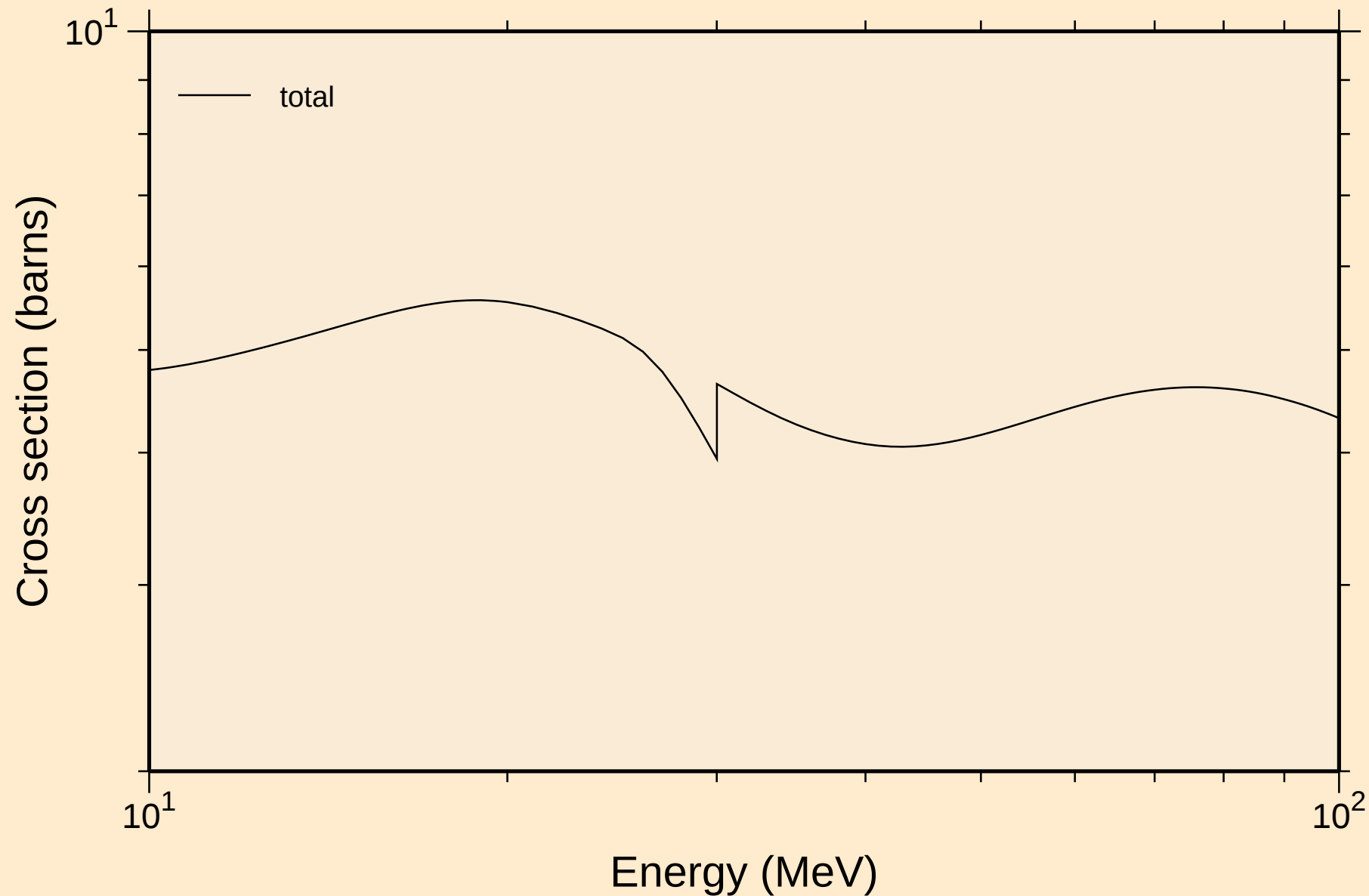
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



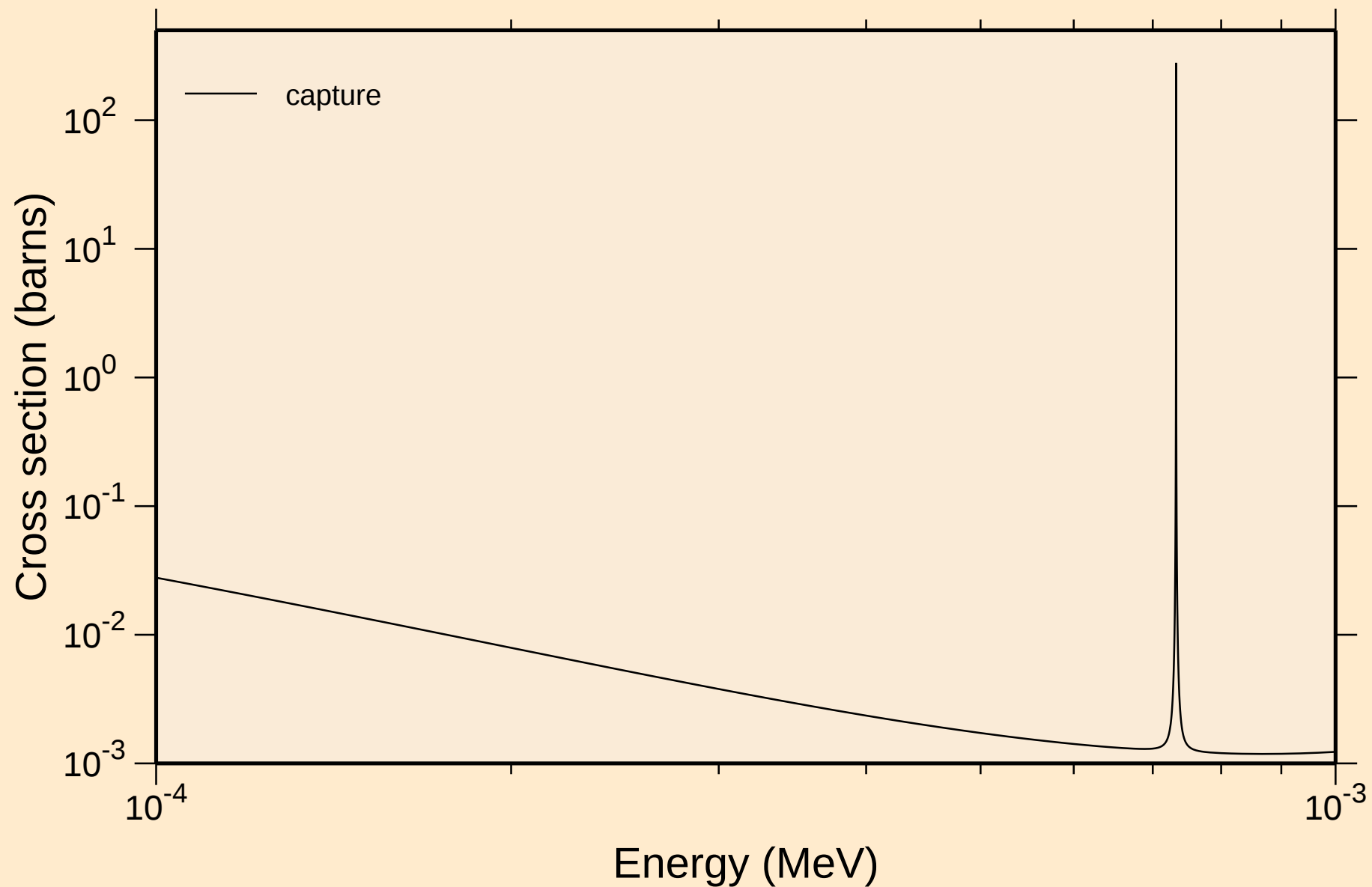
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



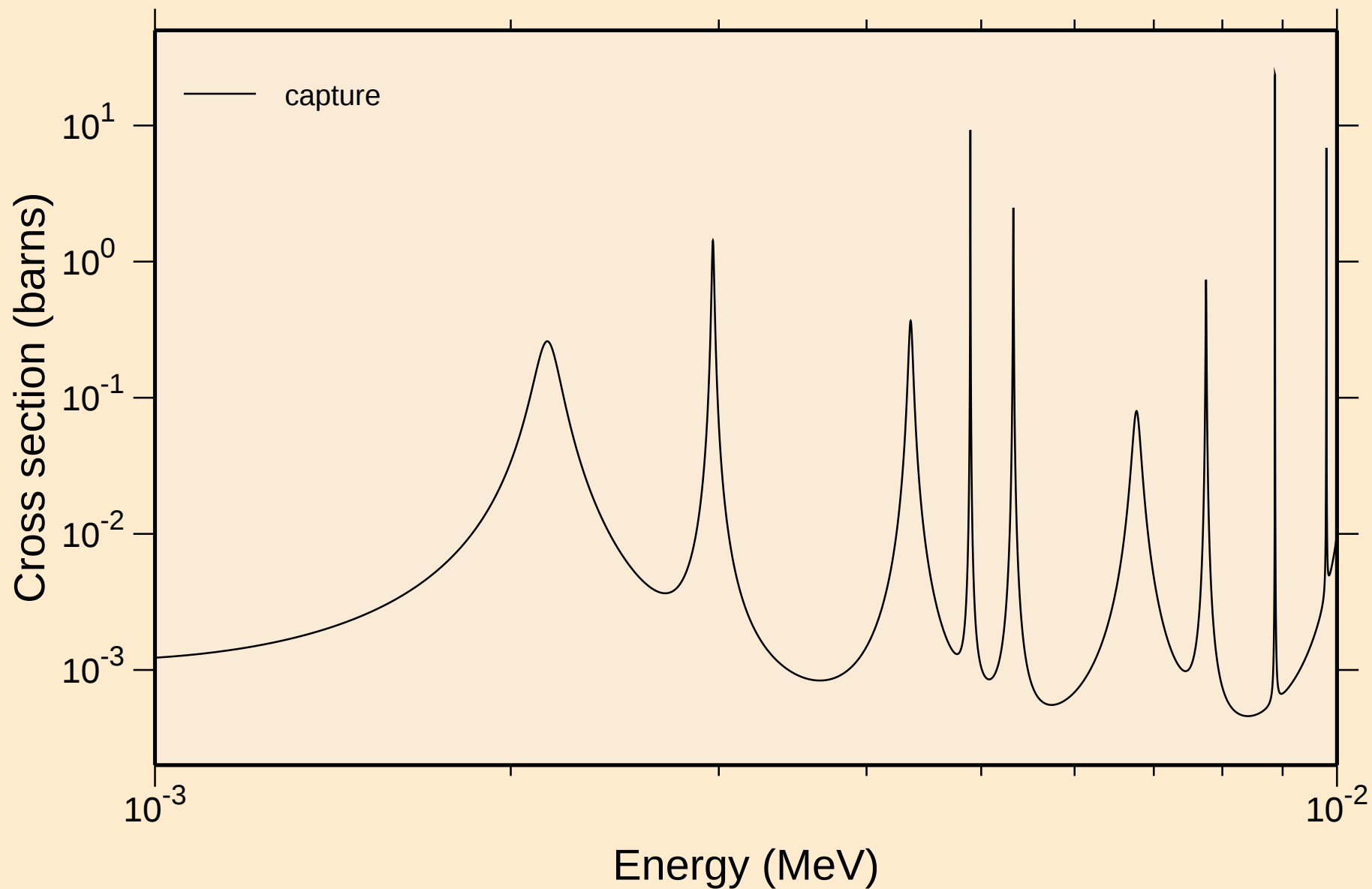
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



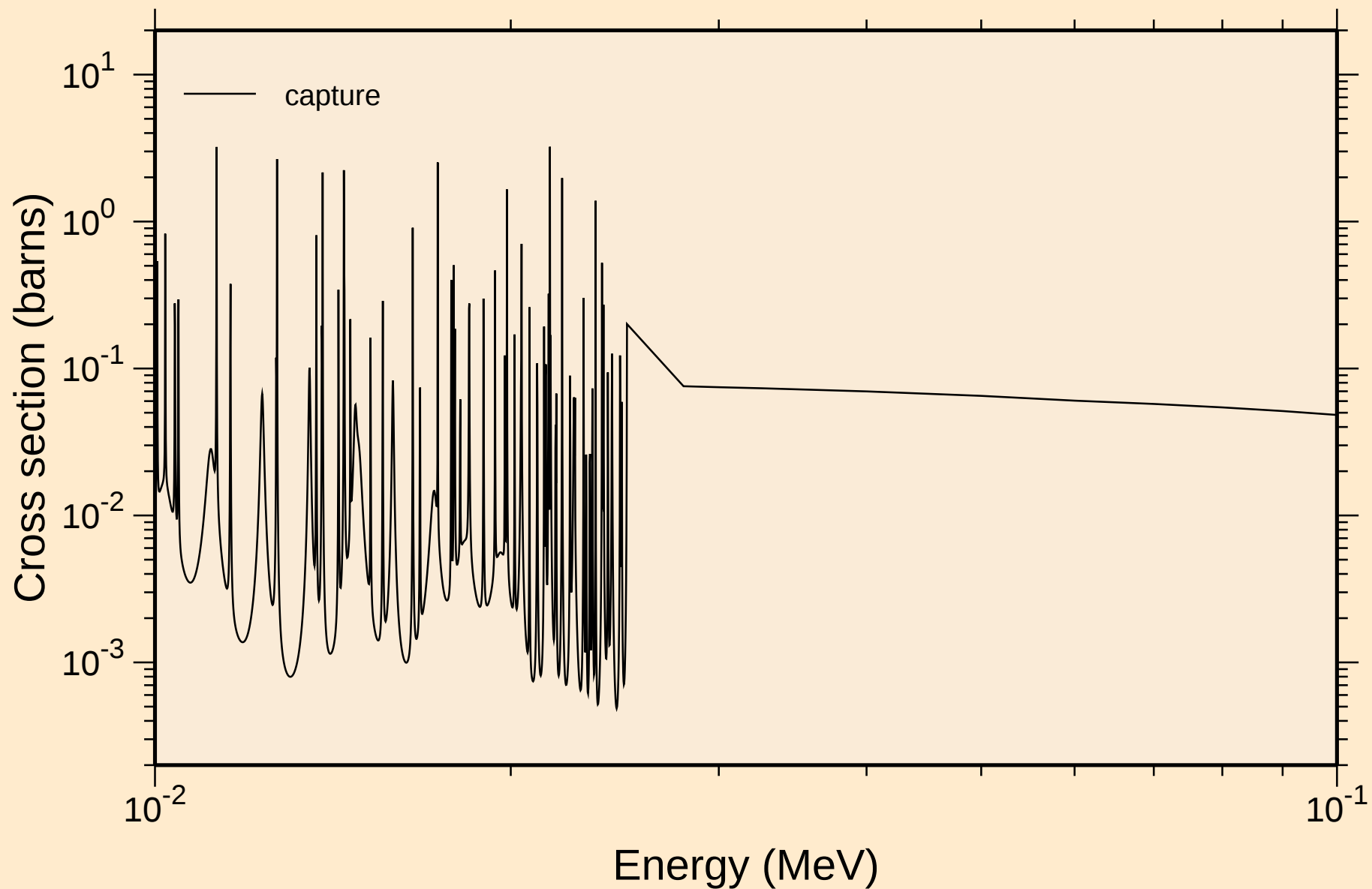
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



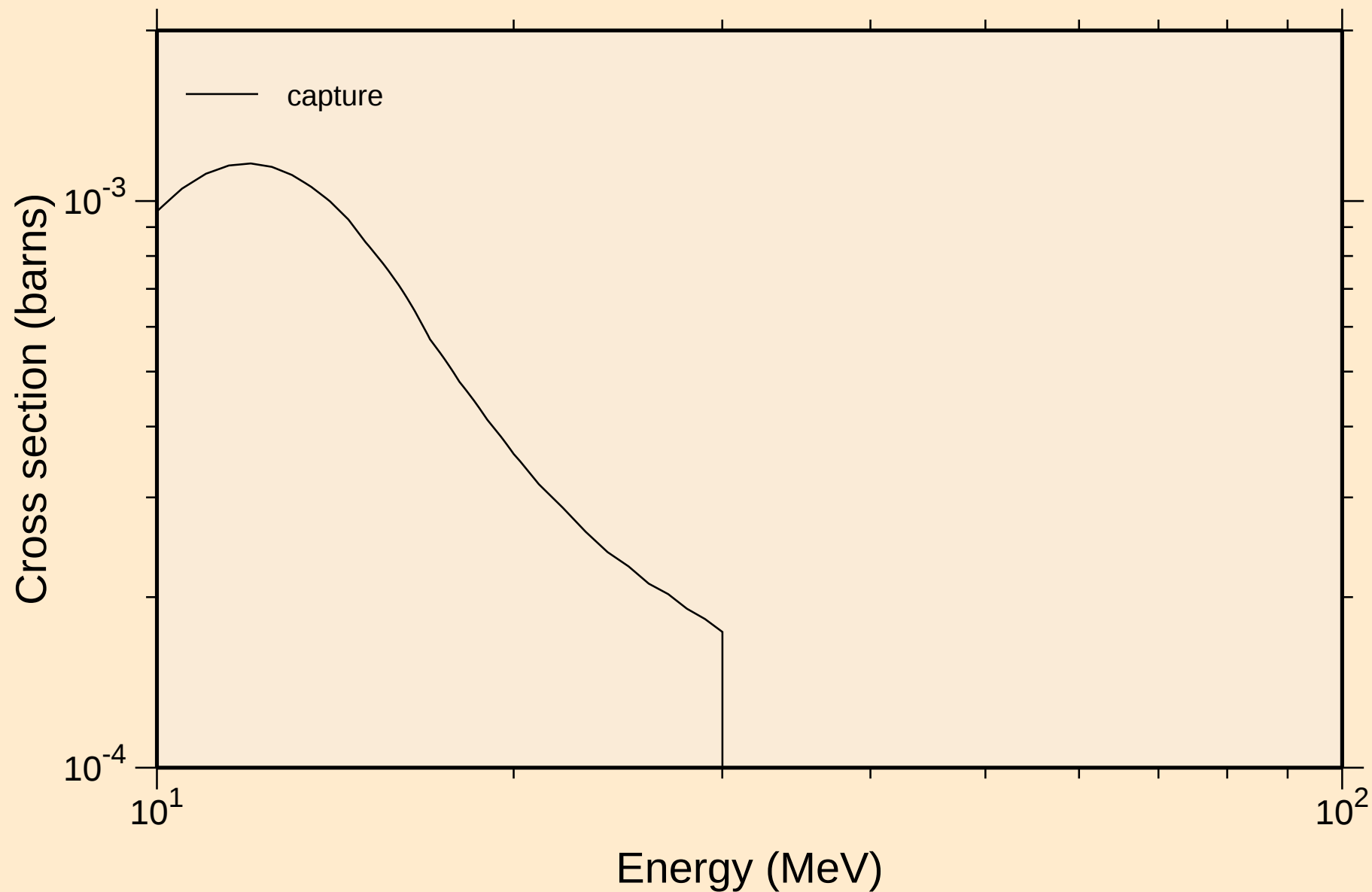
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

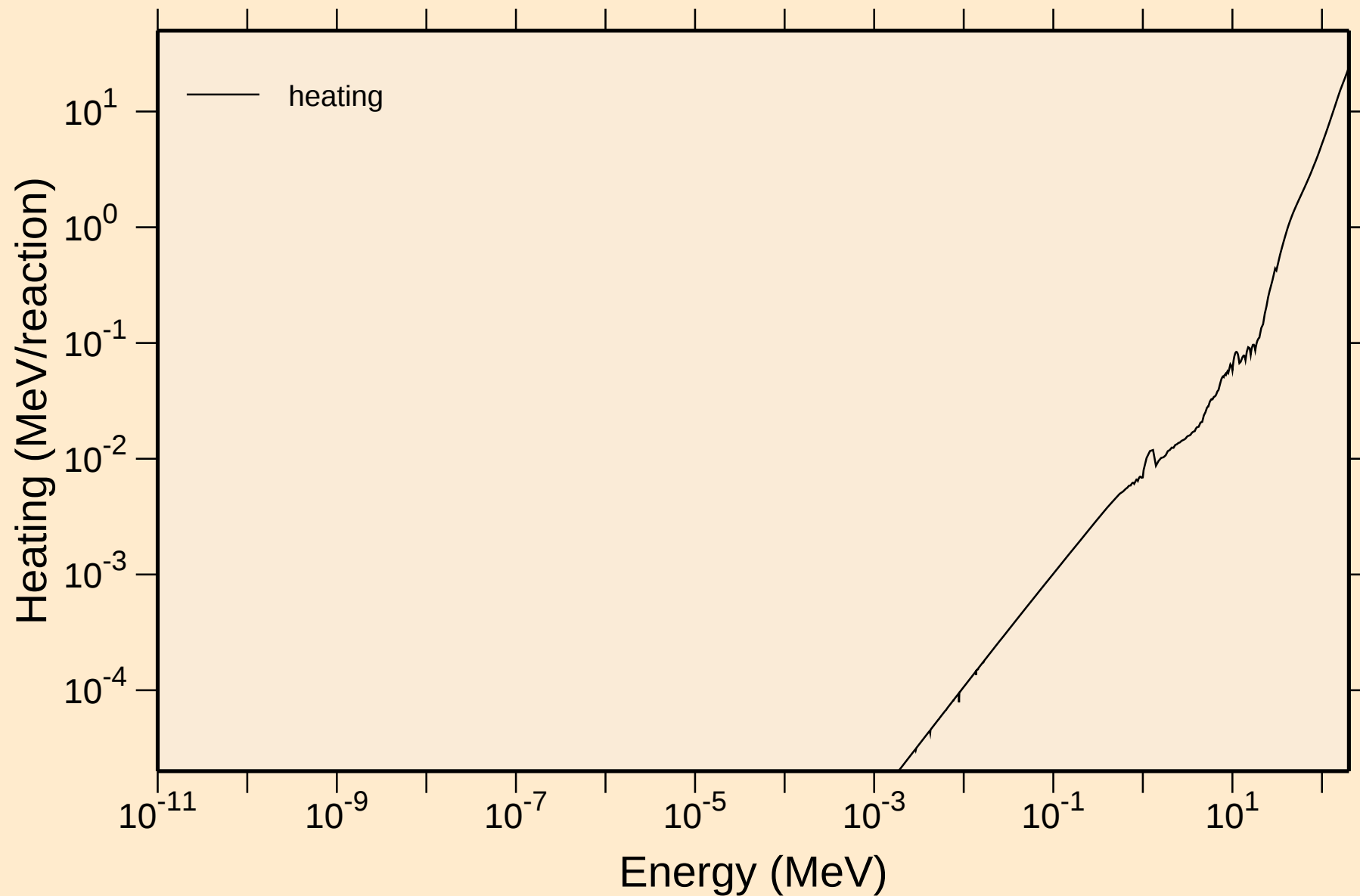


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



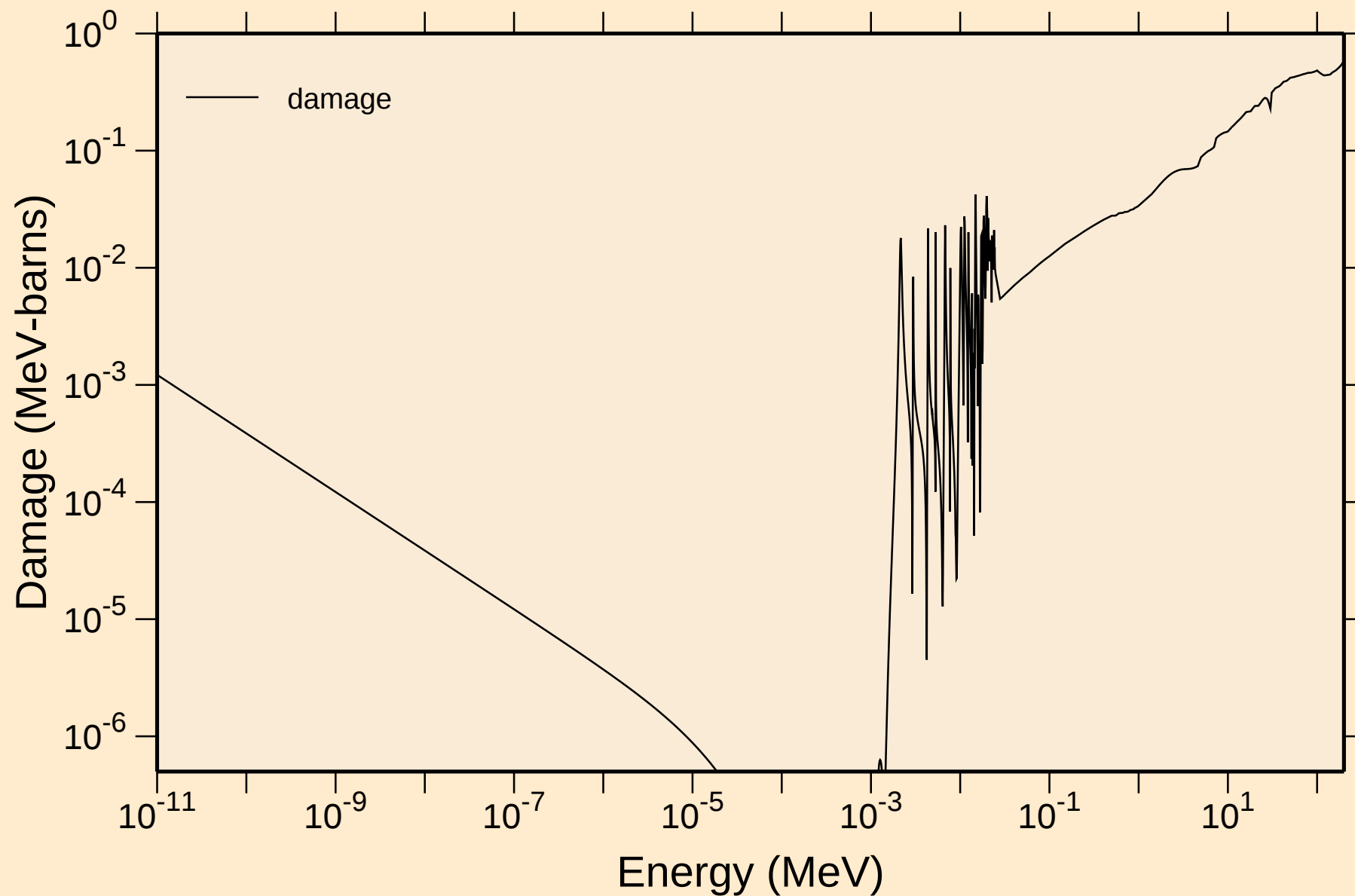
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating



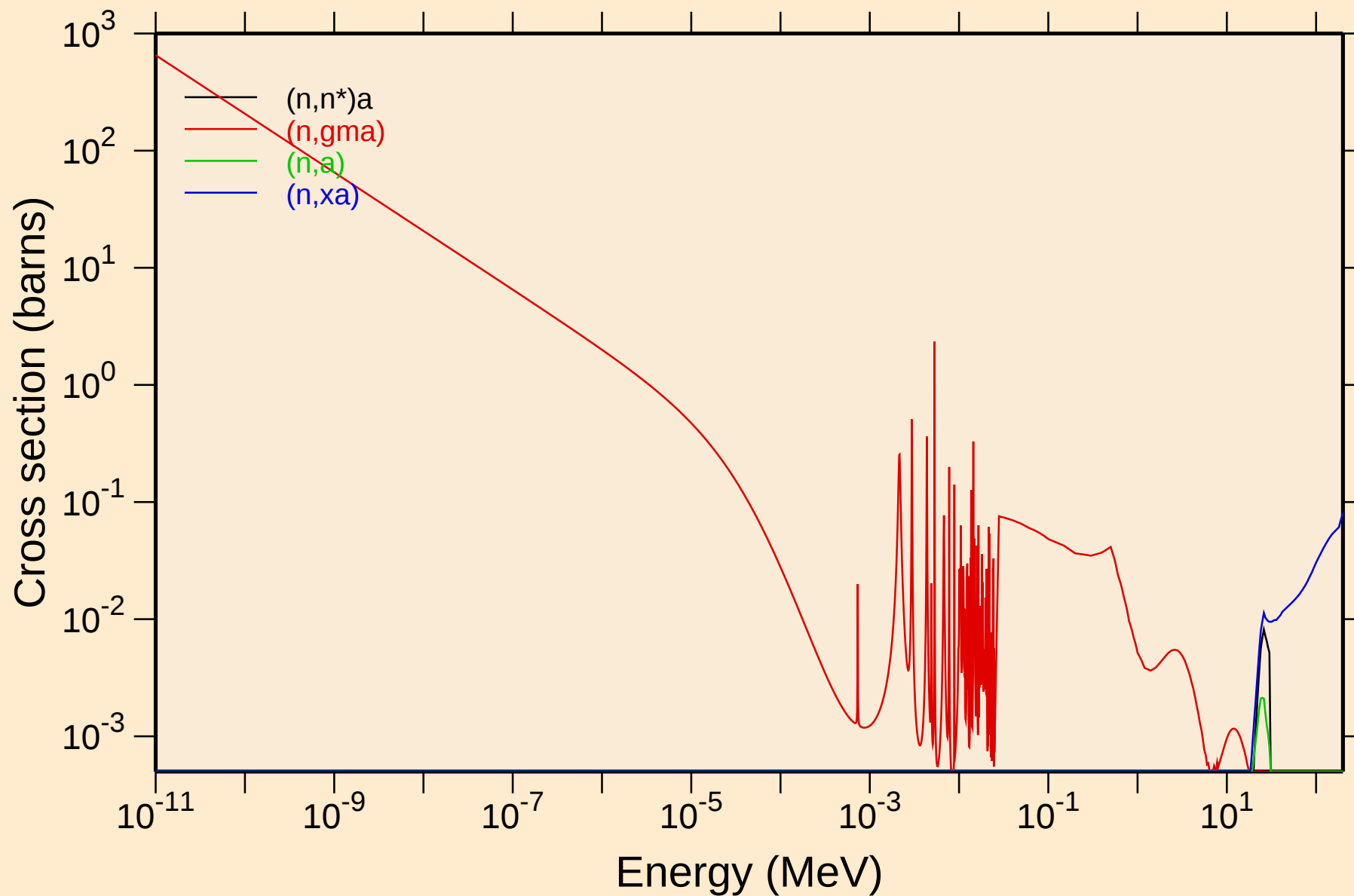
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage



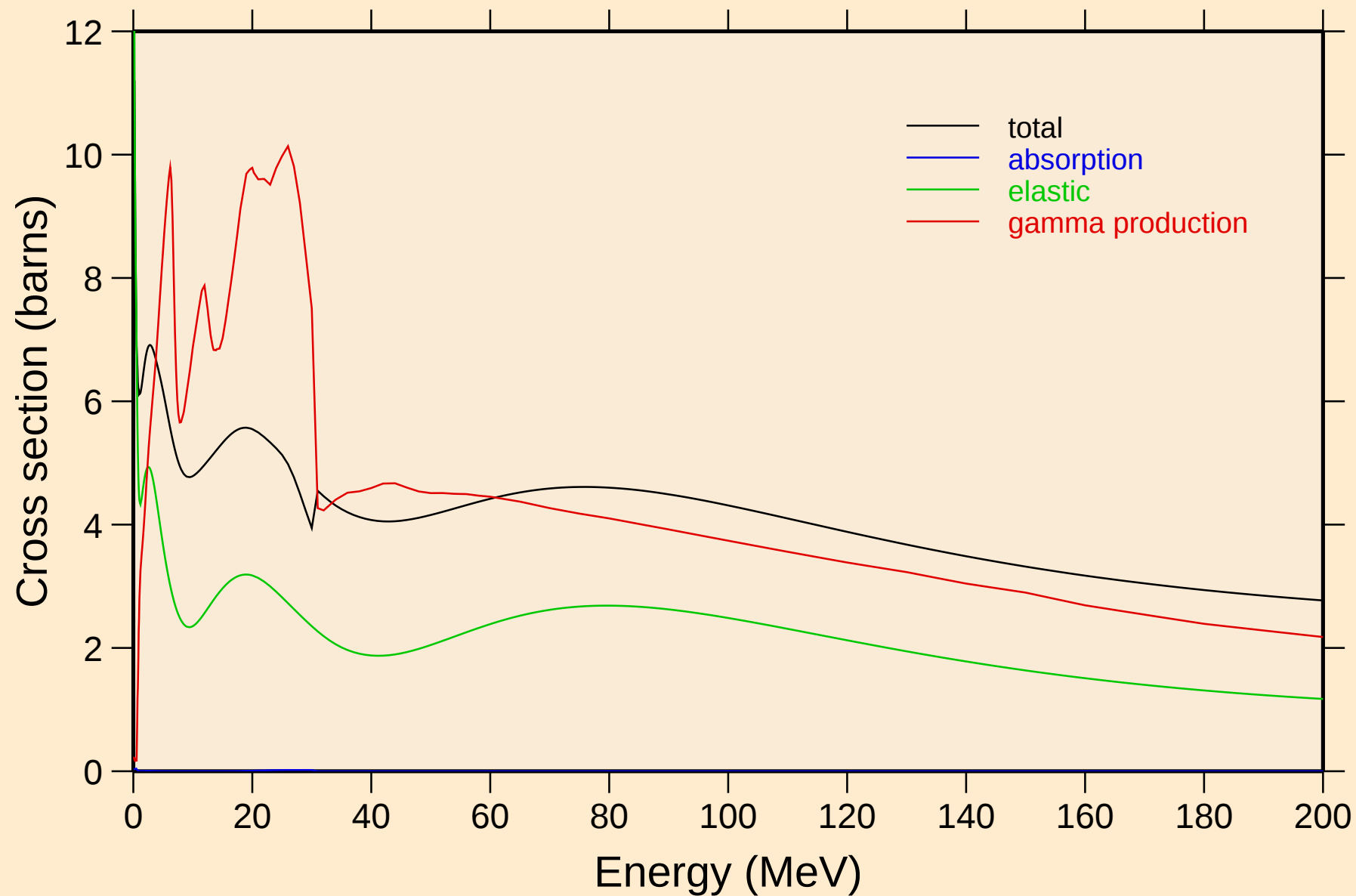
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



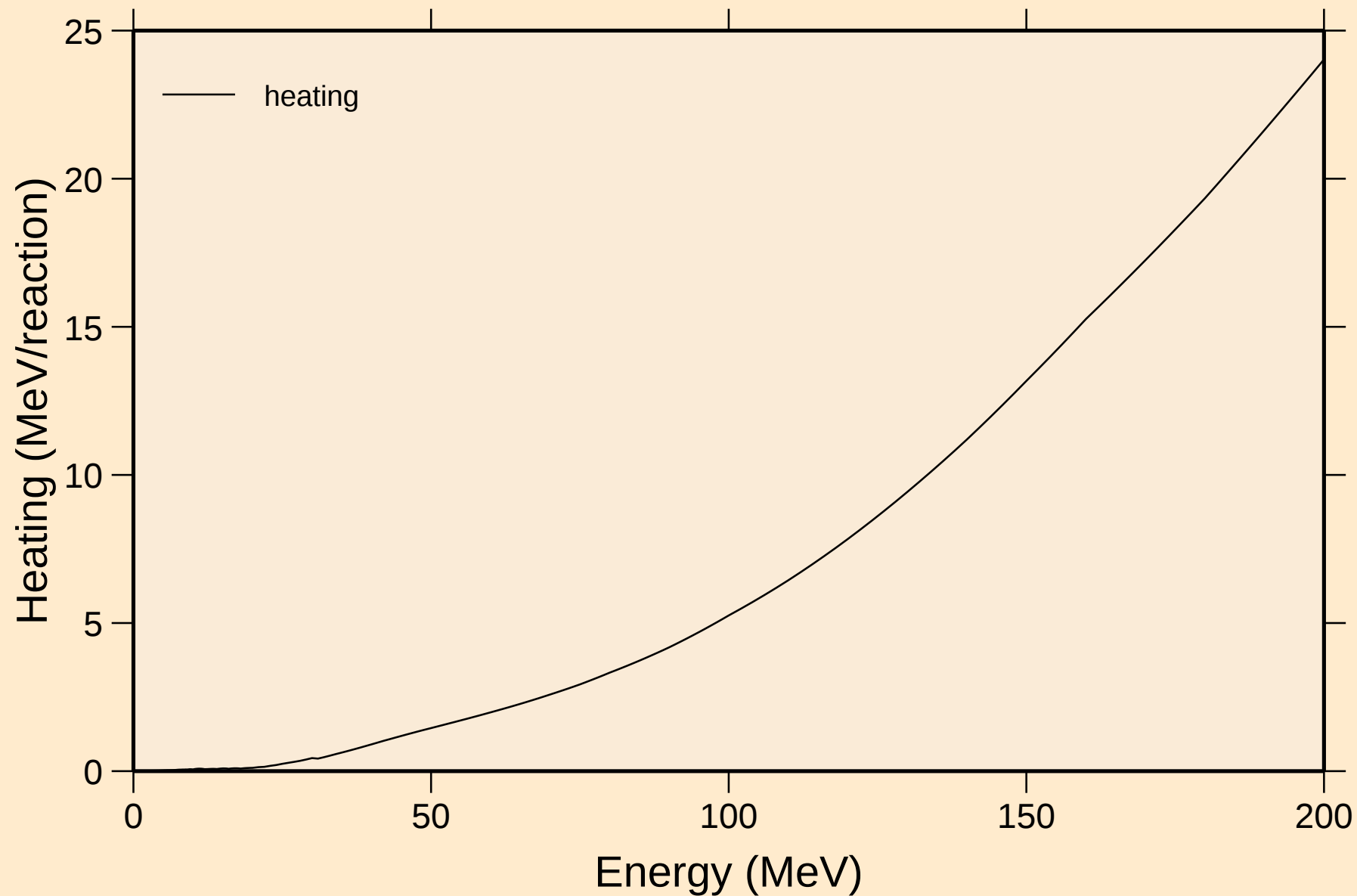
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



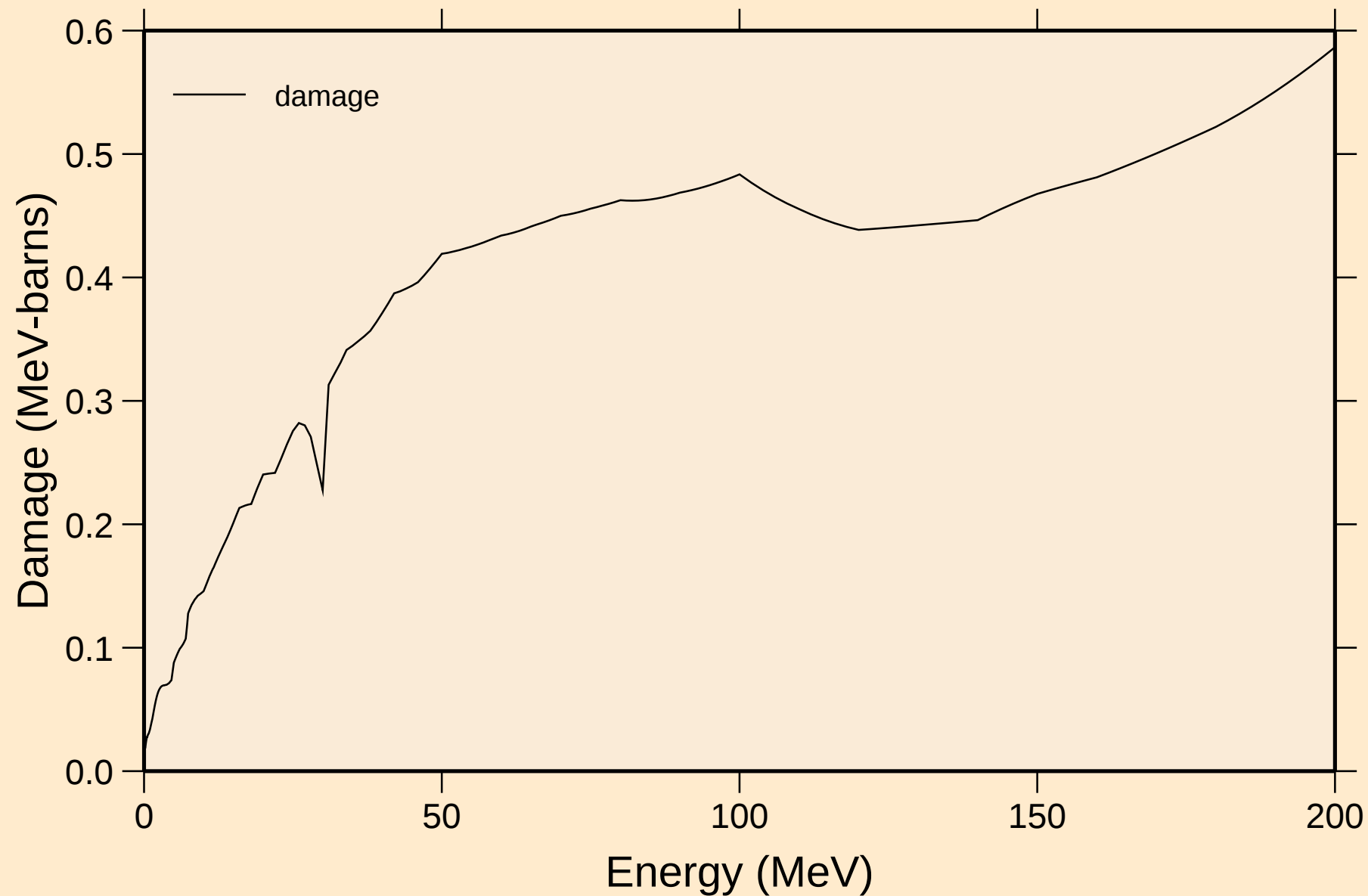
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

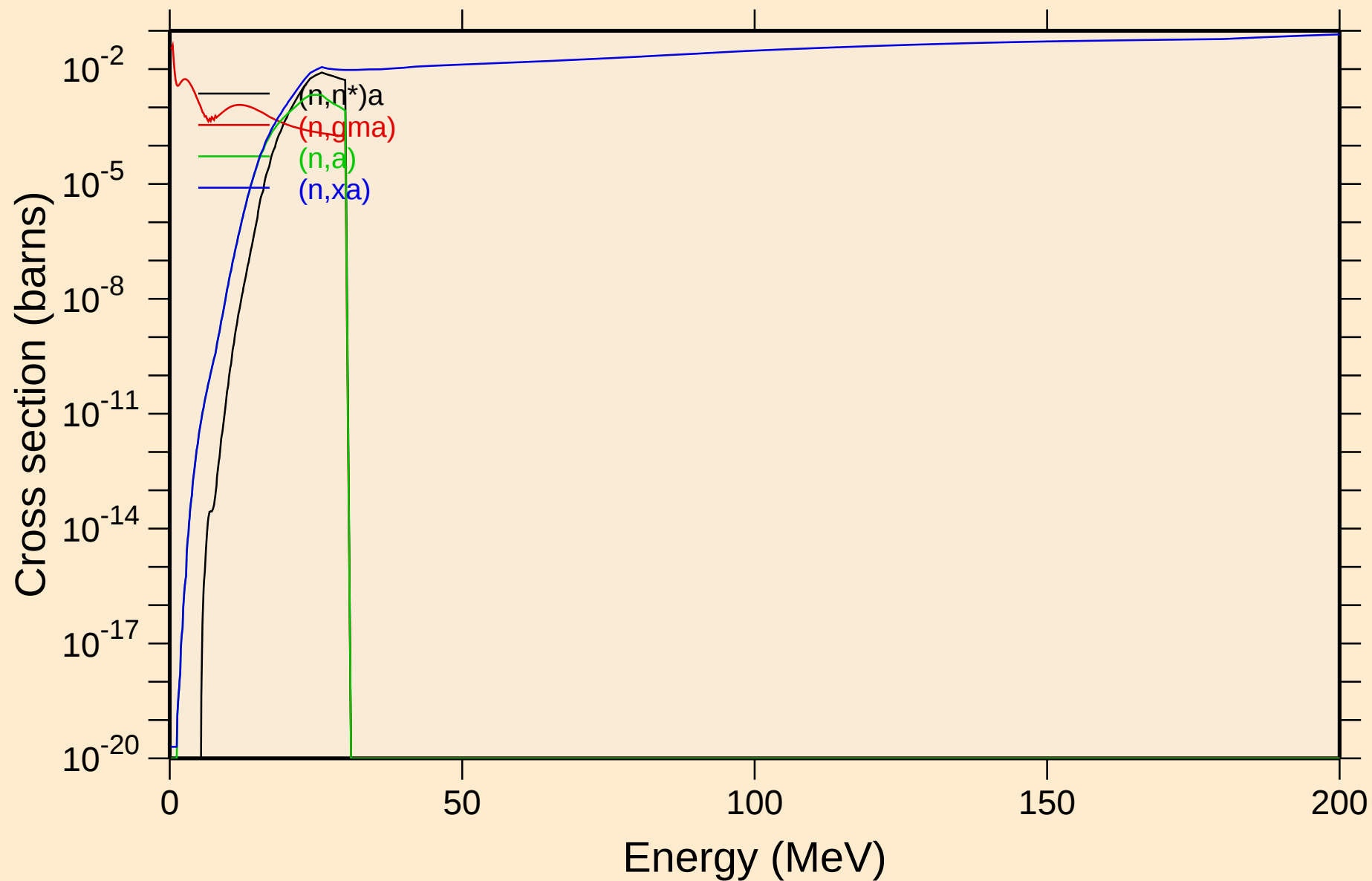


# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Damage

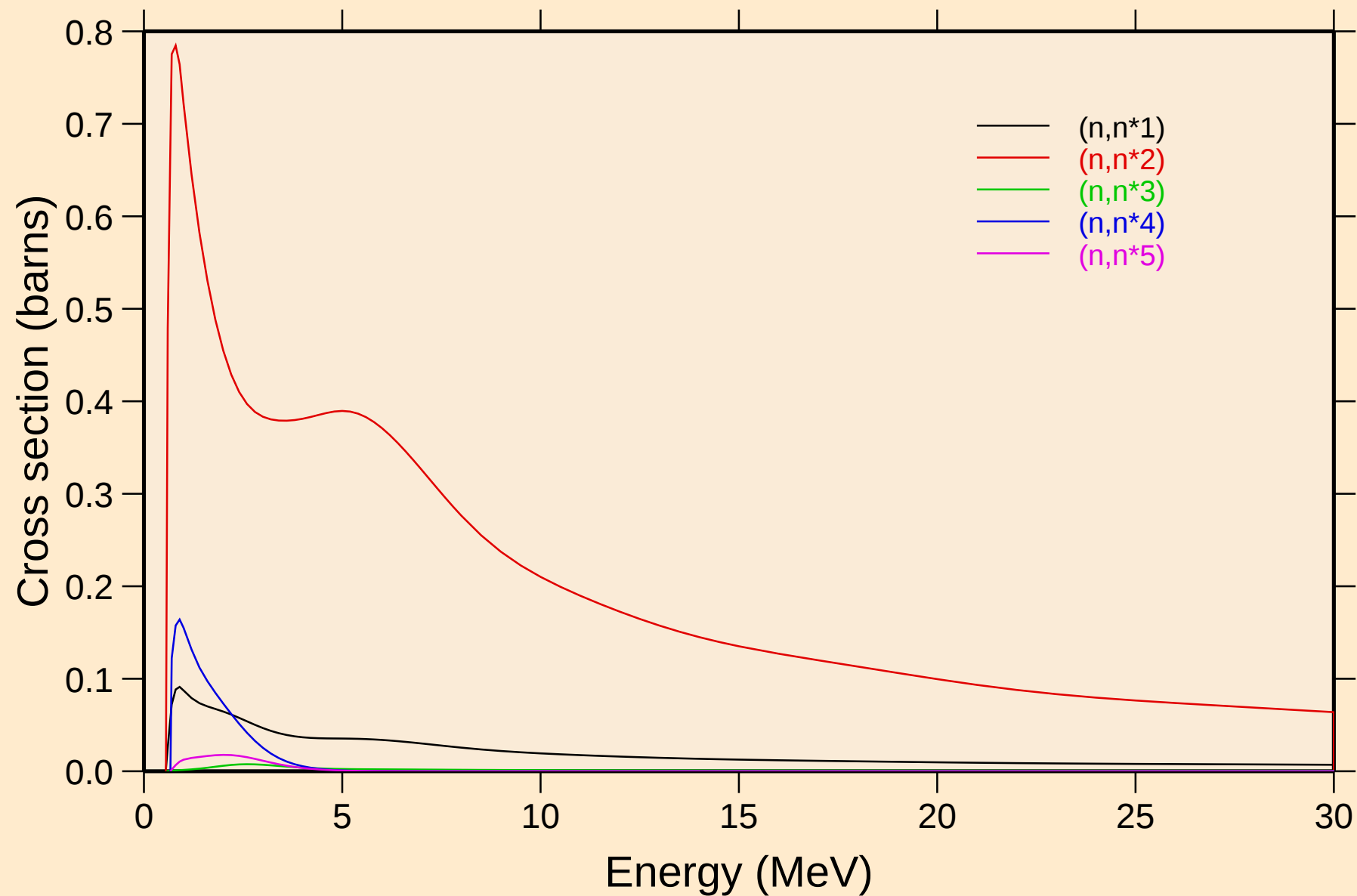


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



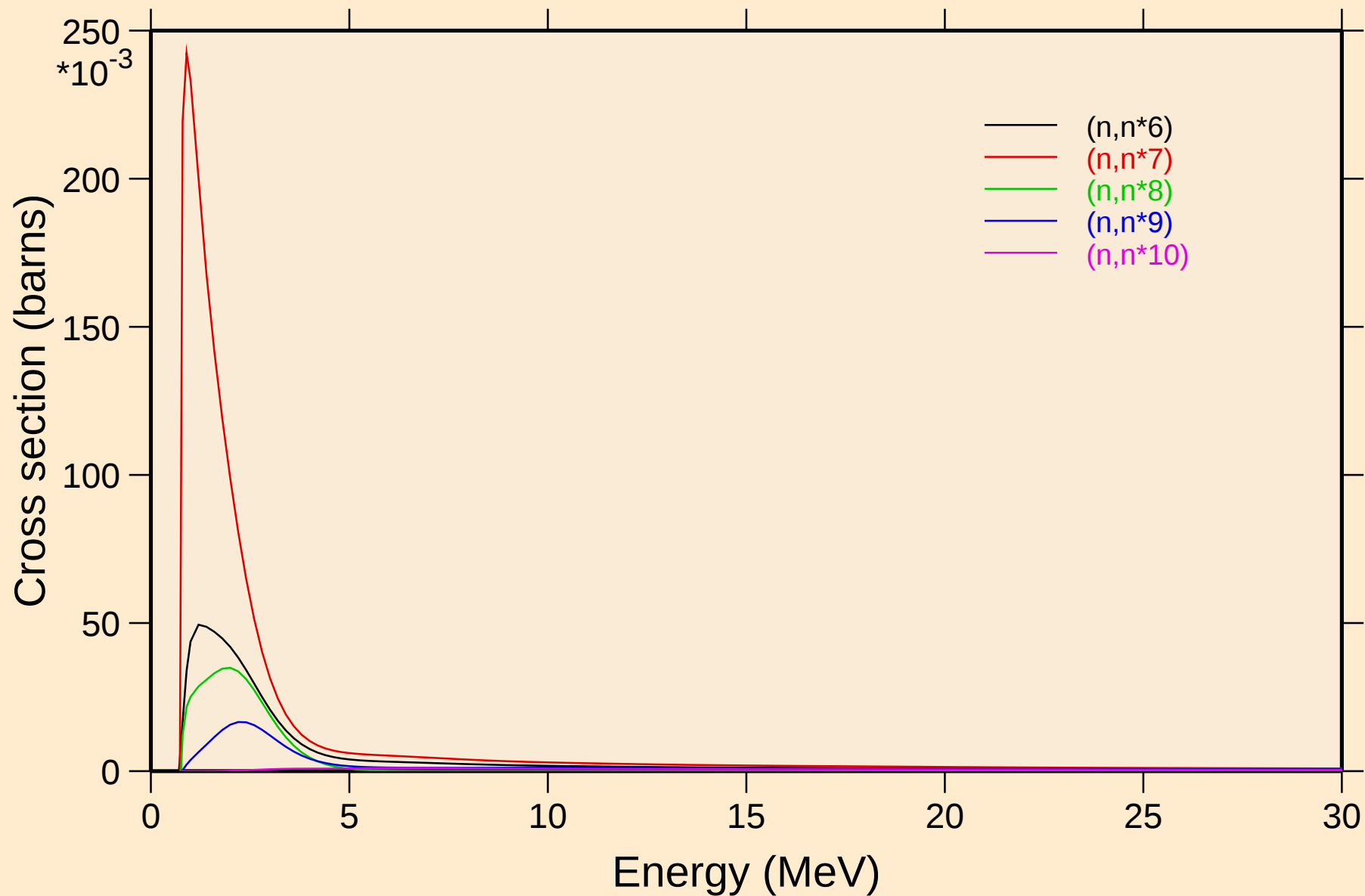
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



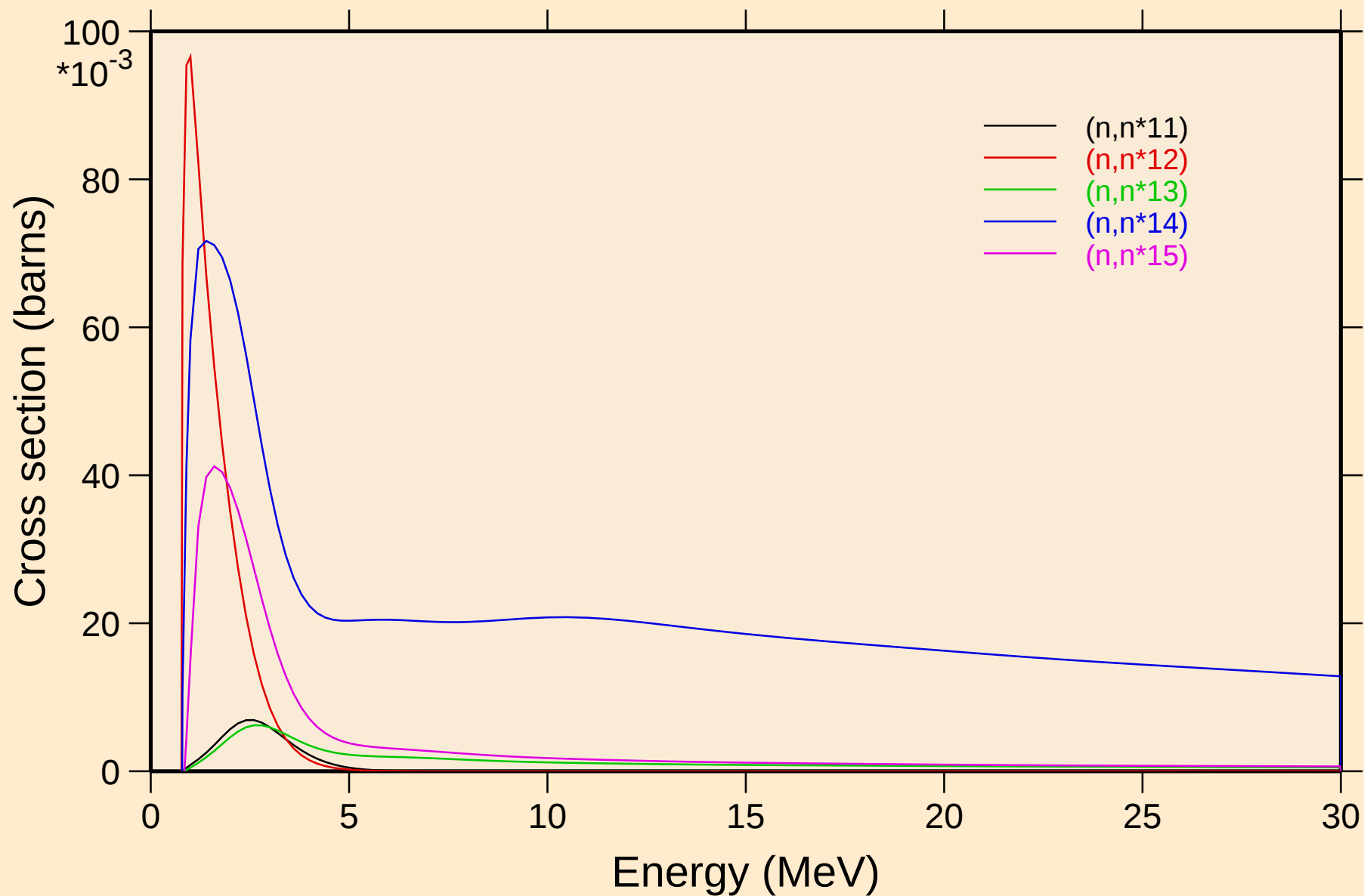
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



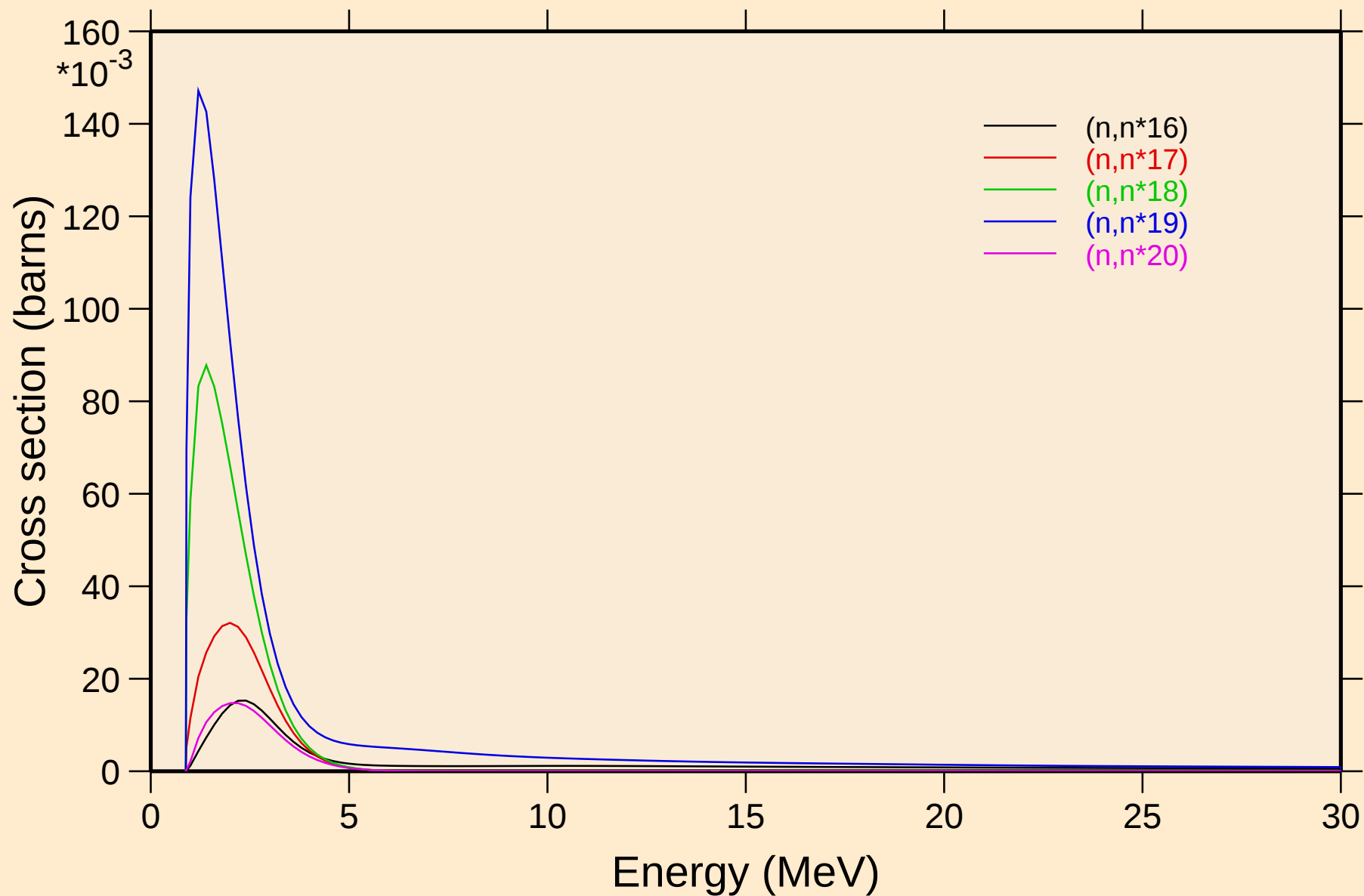
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



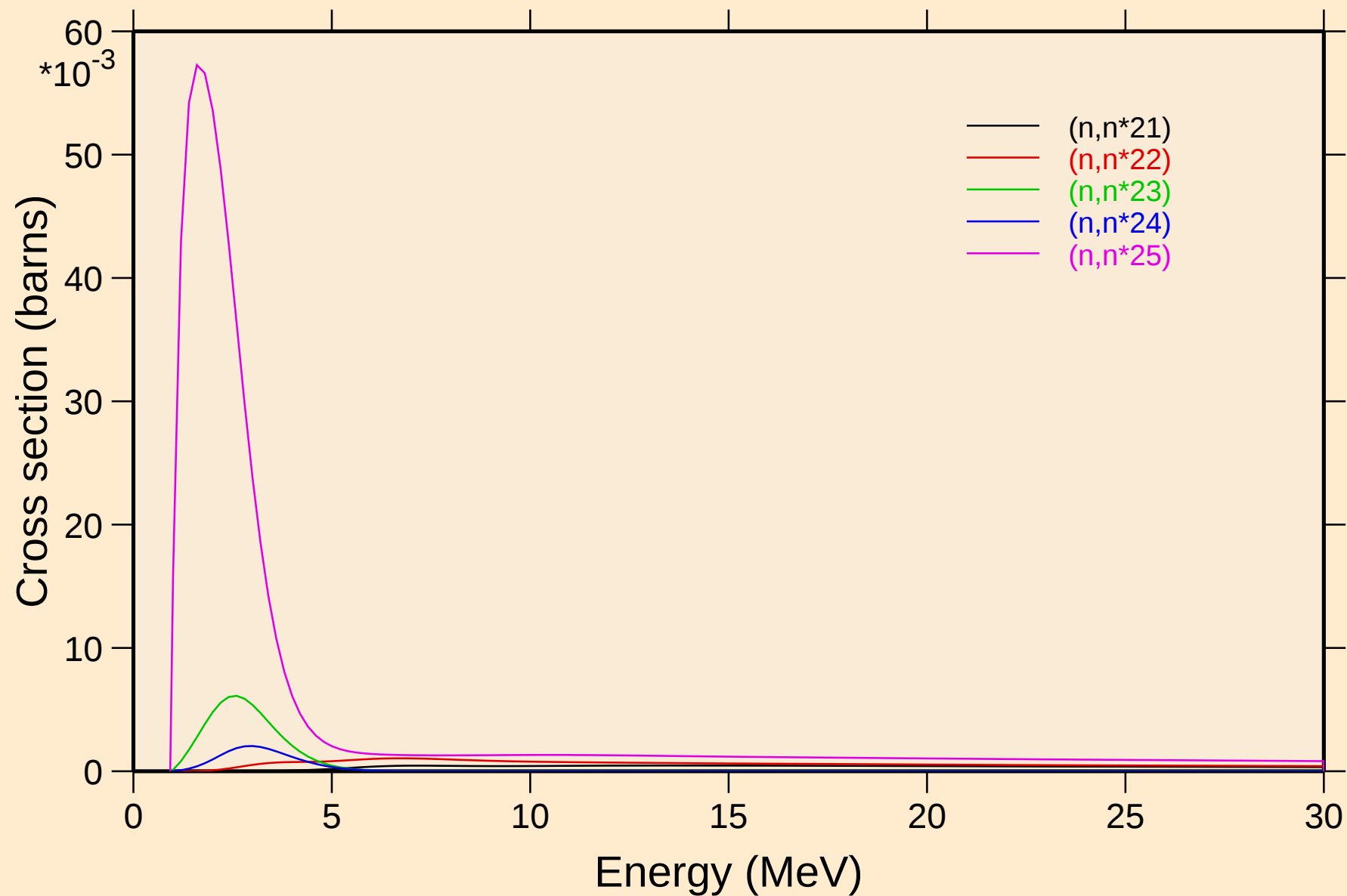
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



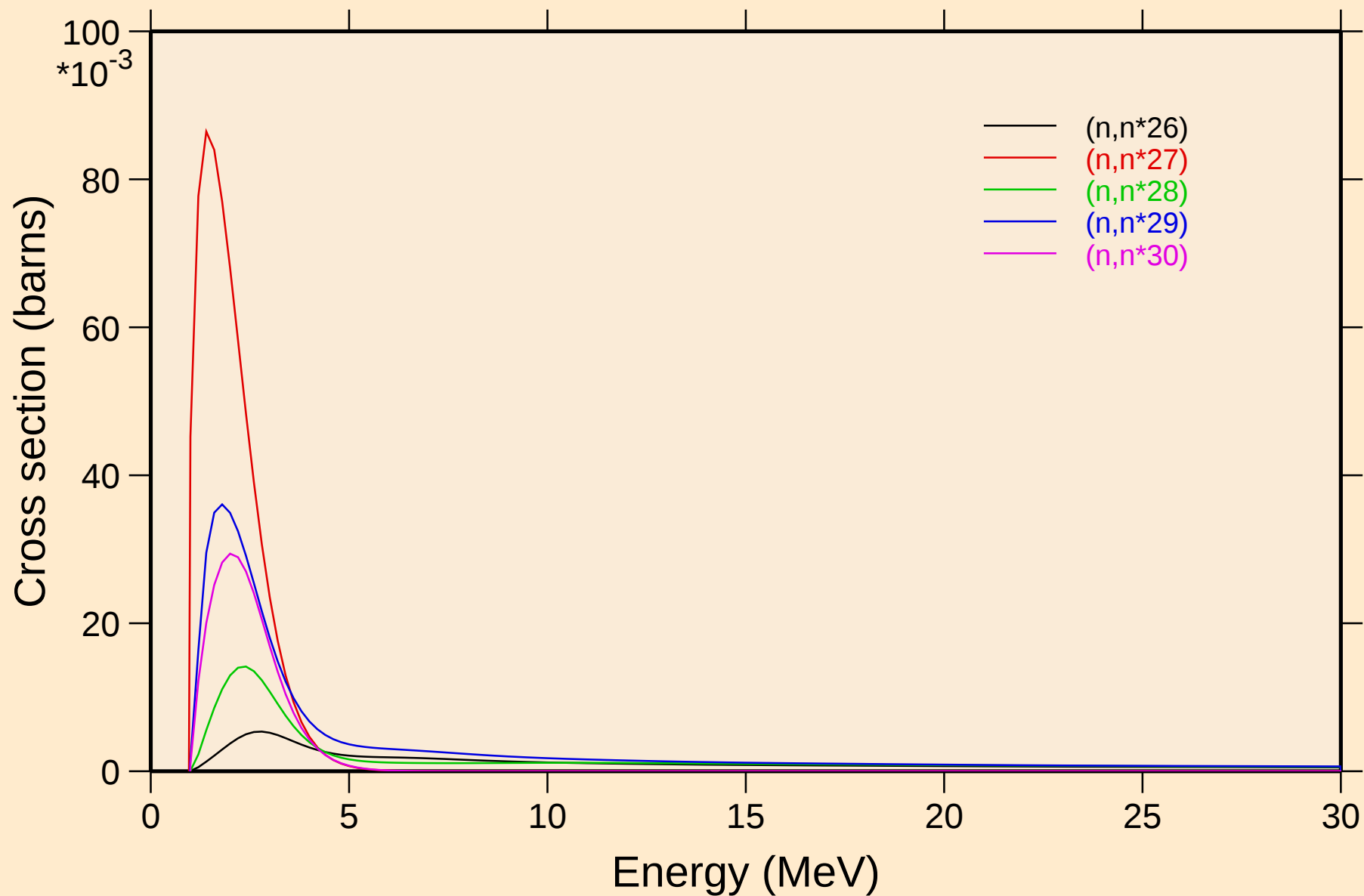
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Inelastic levels



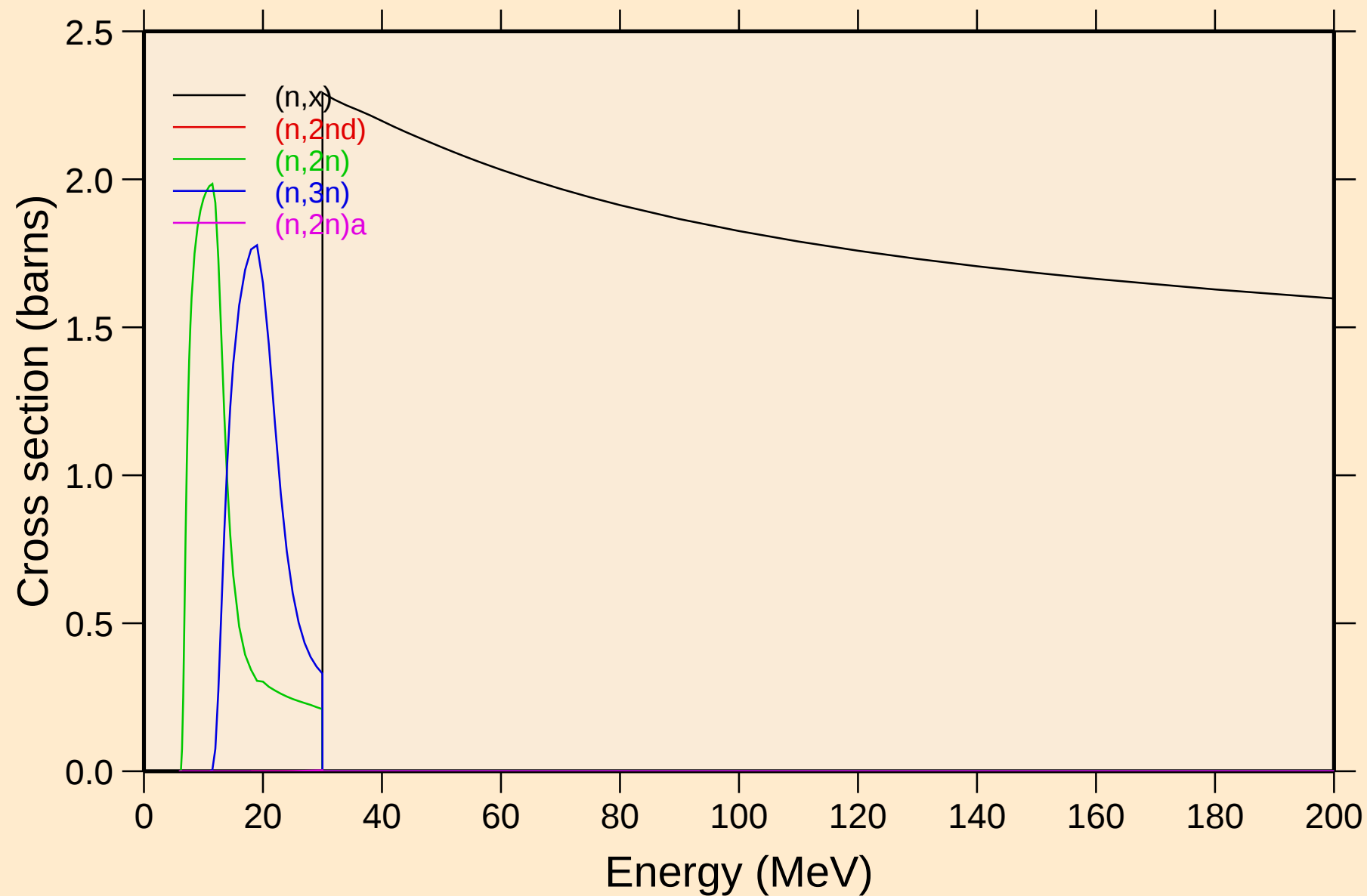
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Inelastic levels



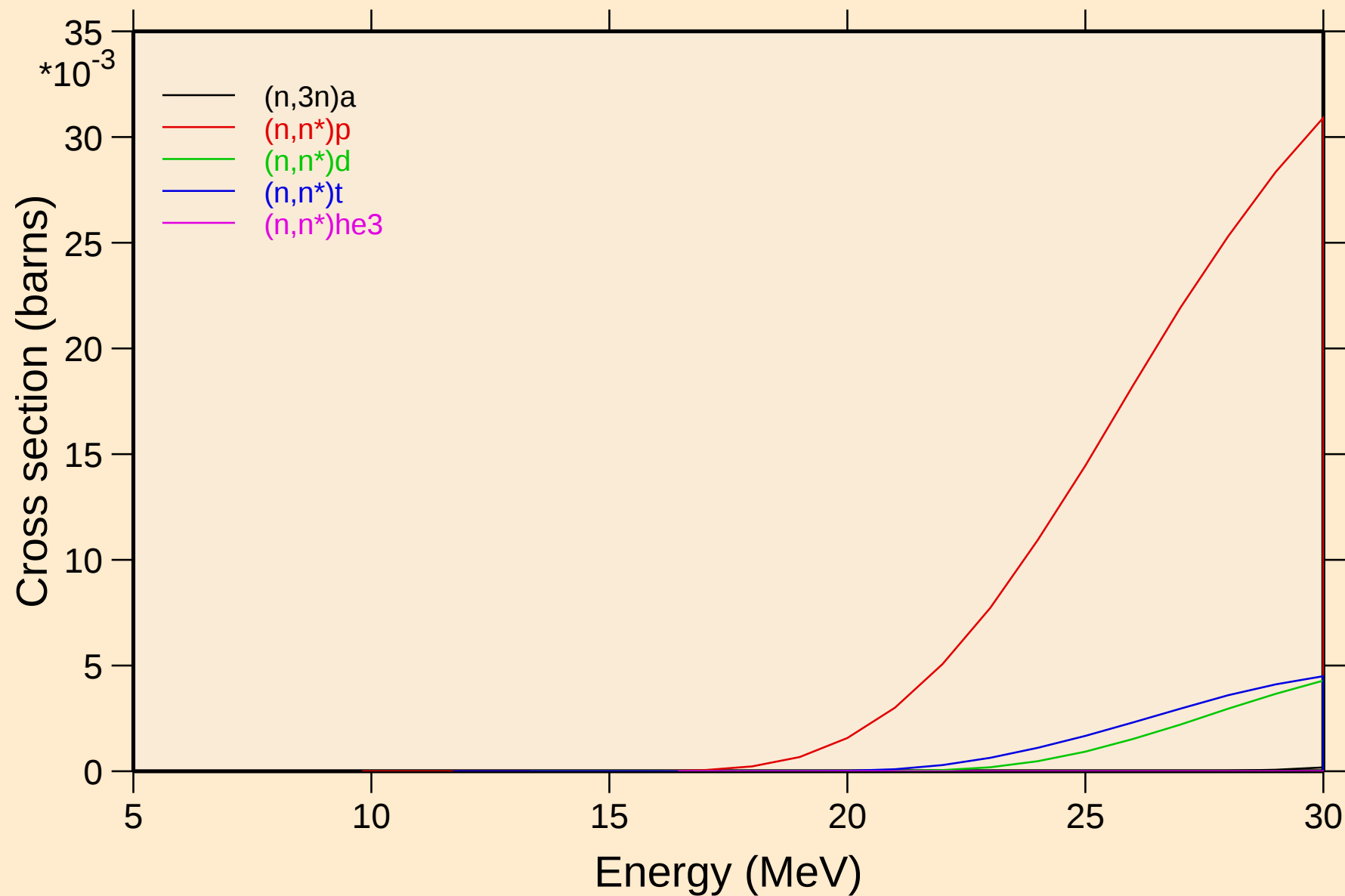
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



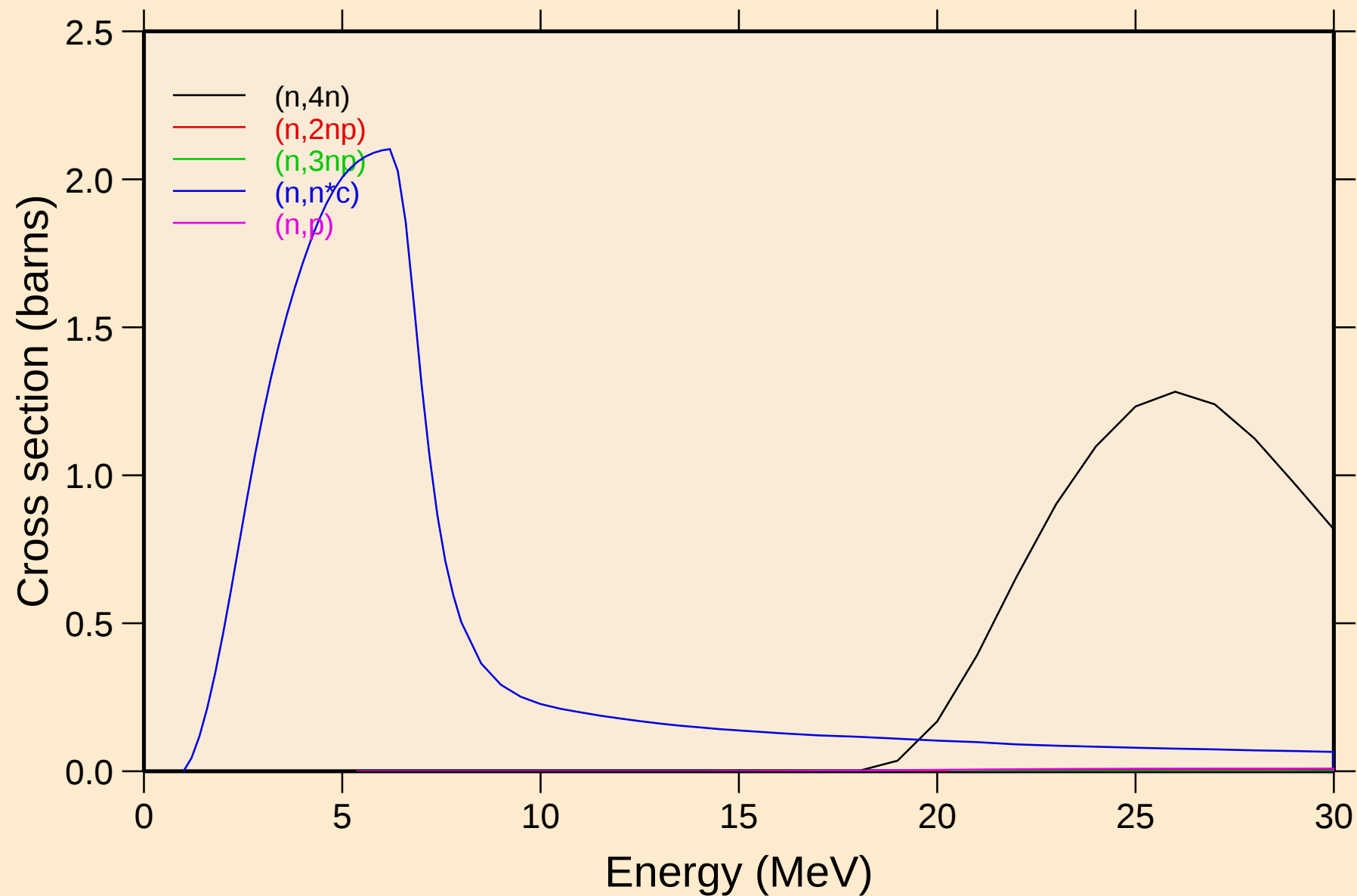
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



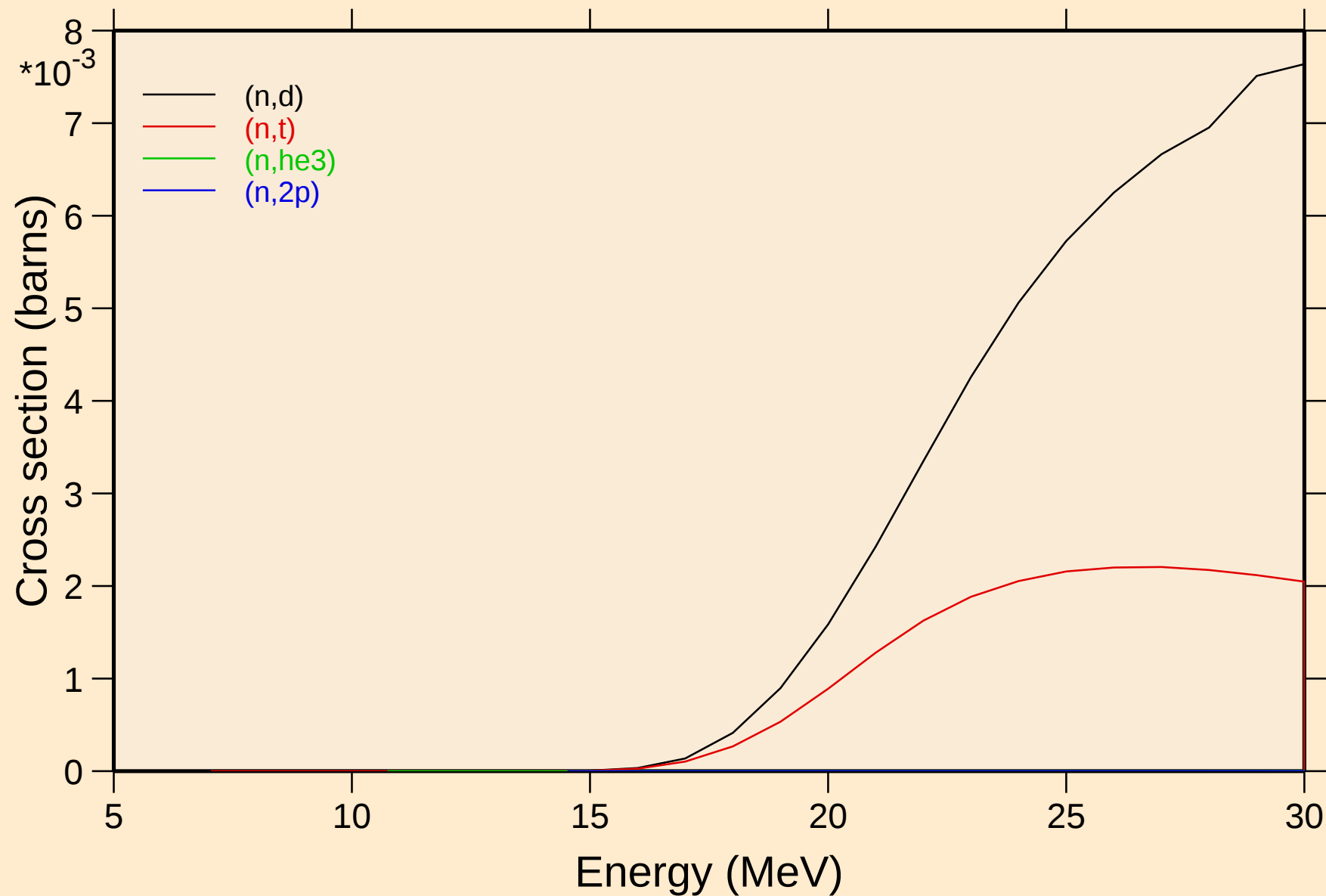
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



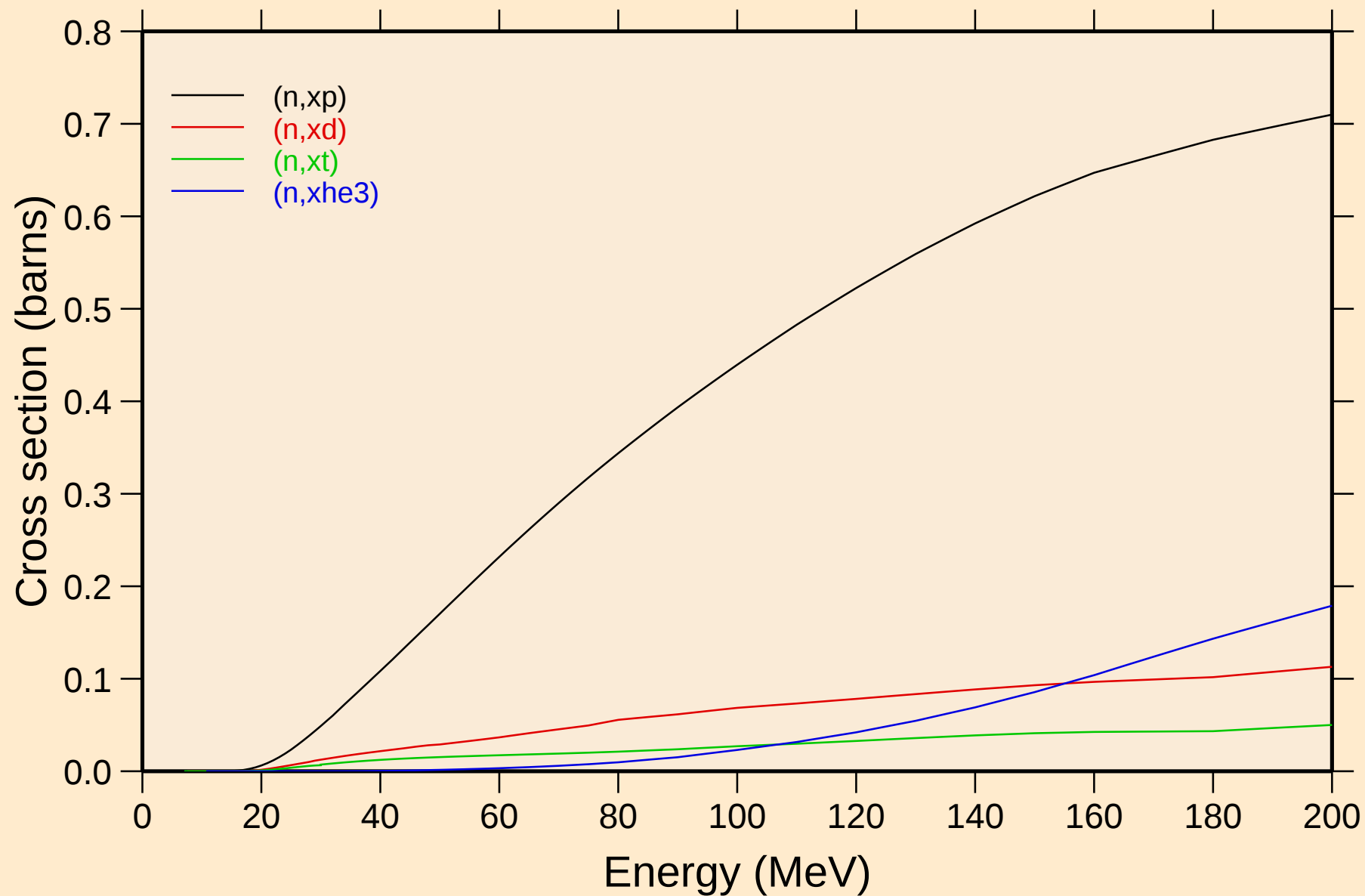
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

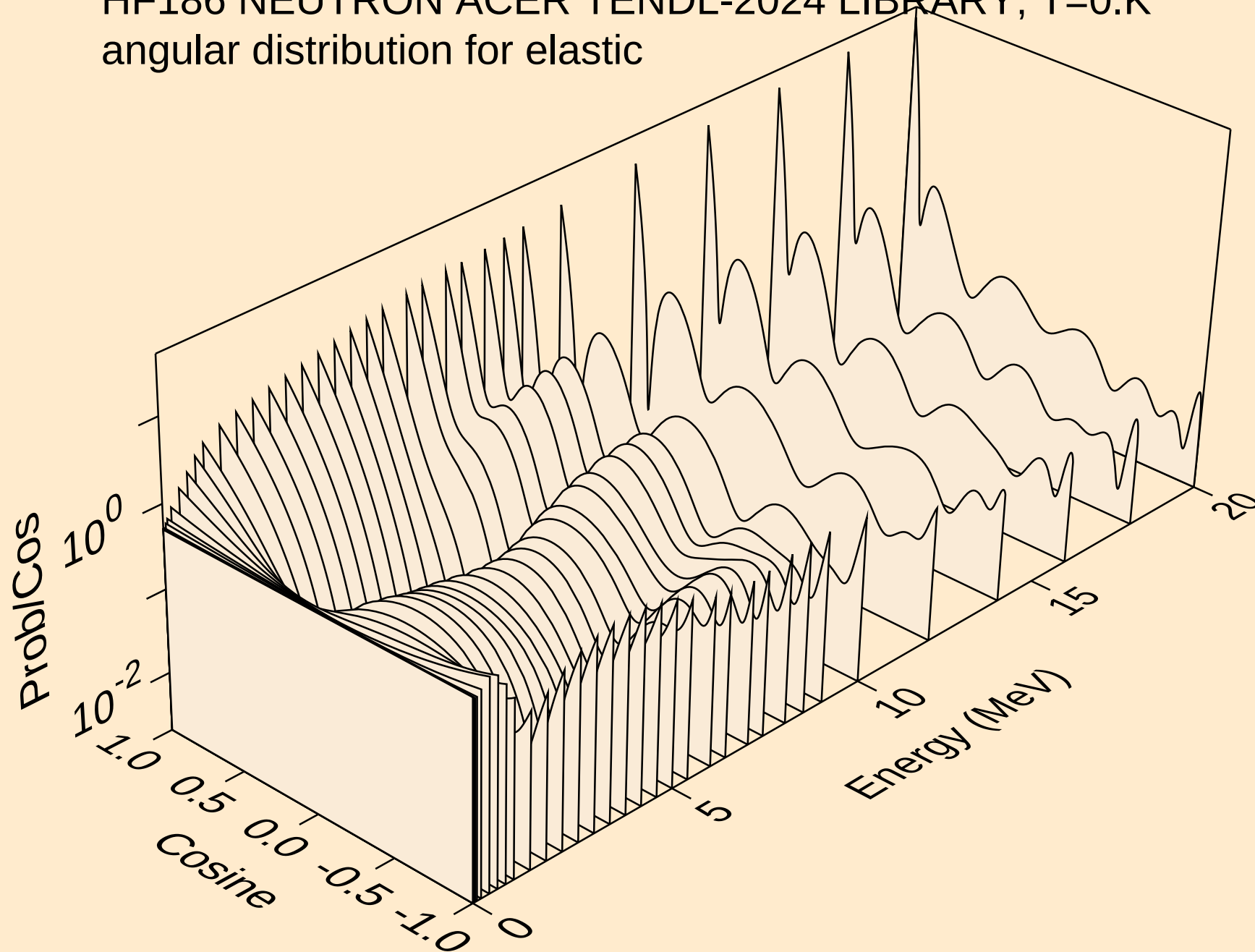


# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

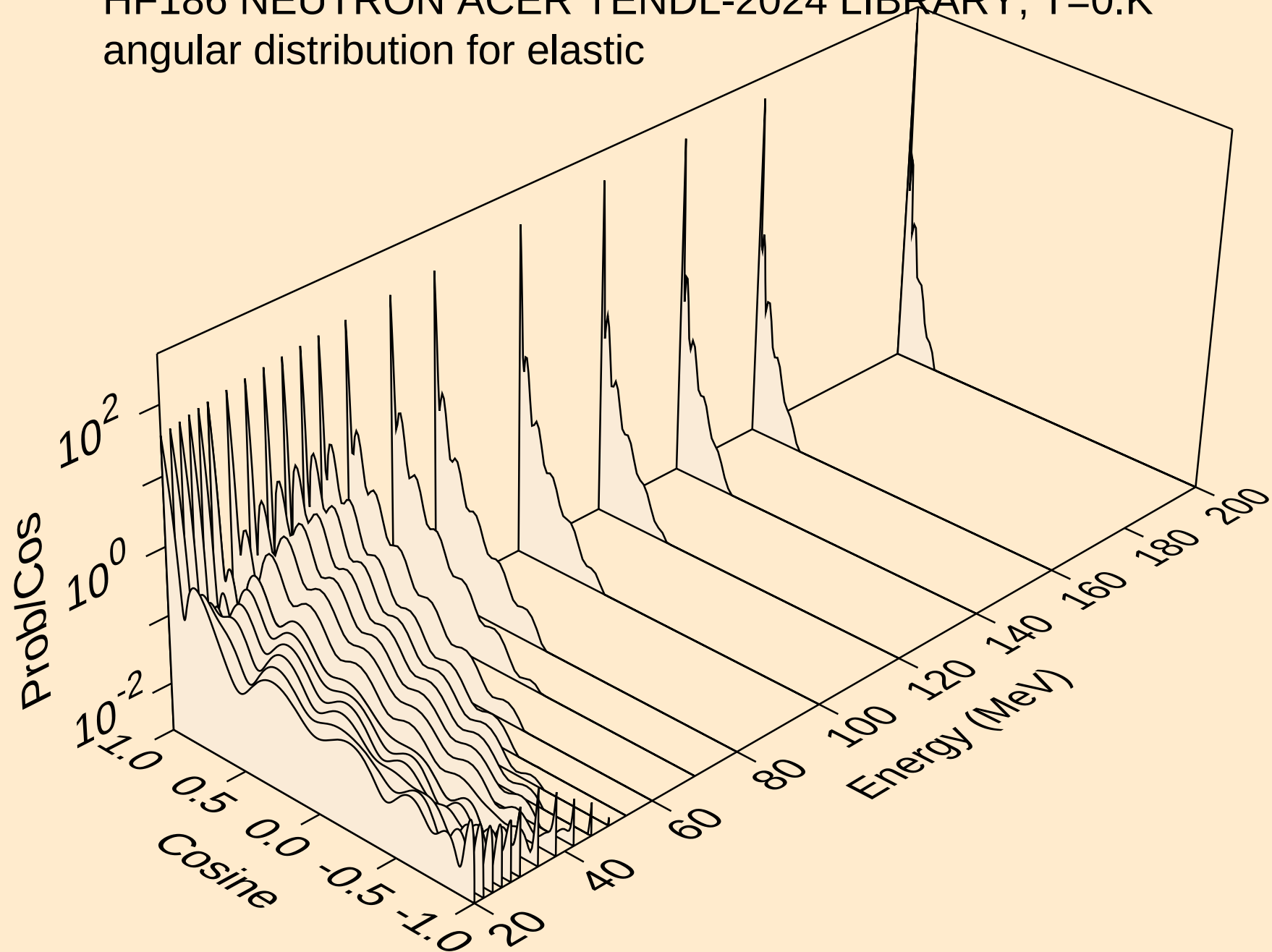
## Threshold reactions



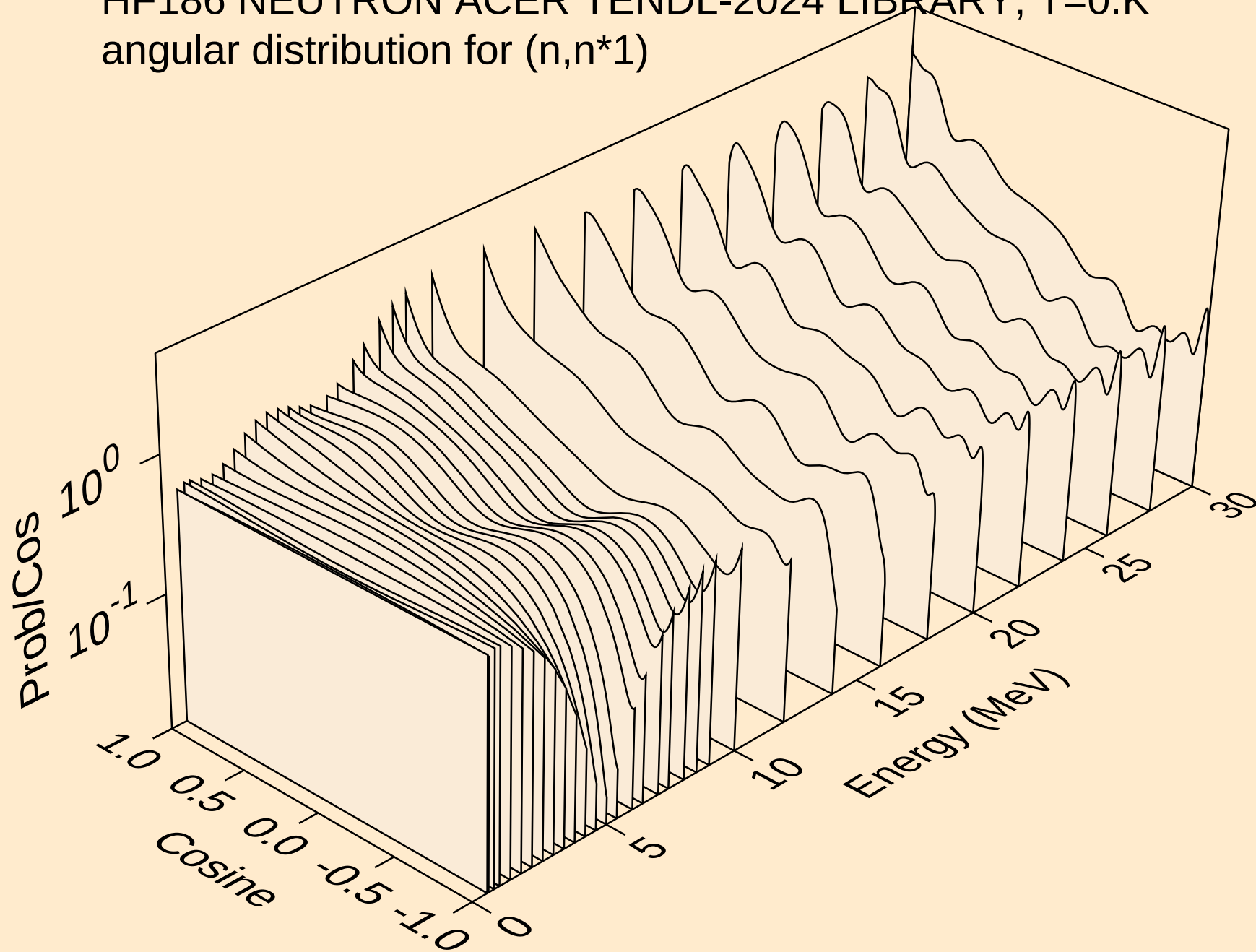
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



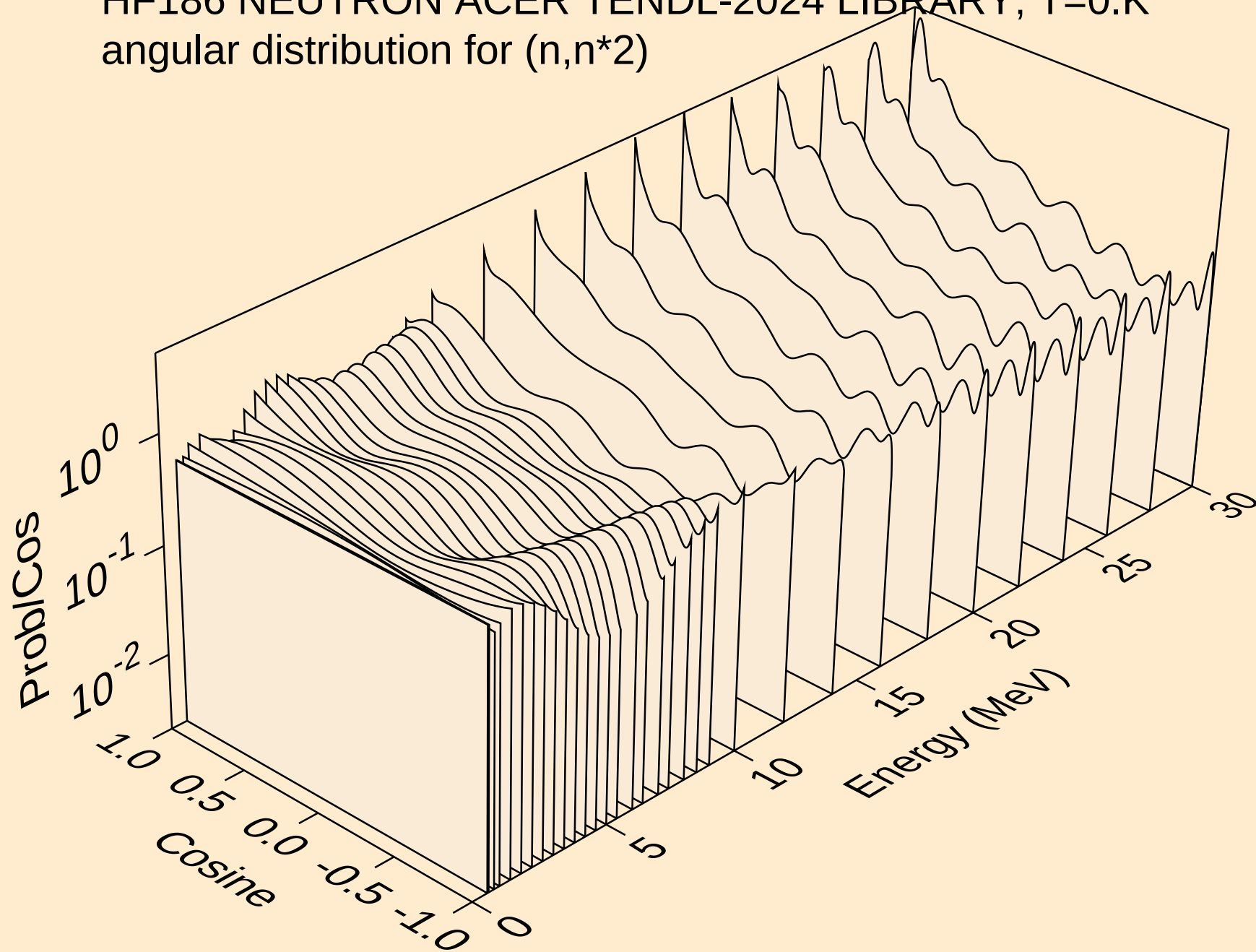
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



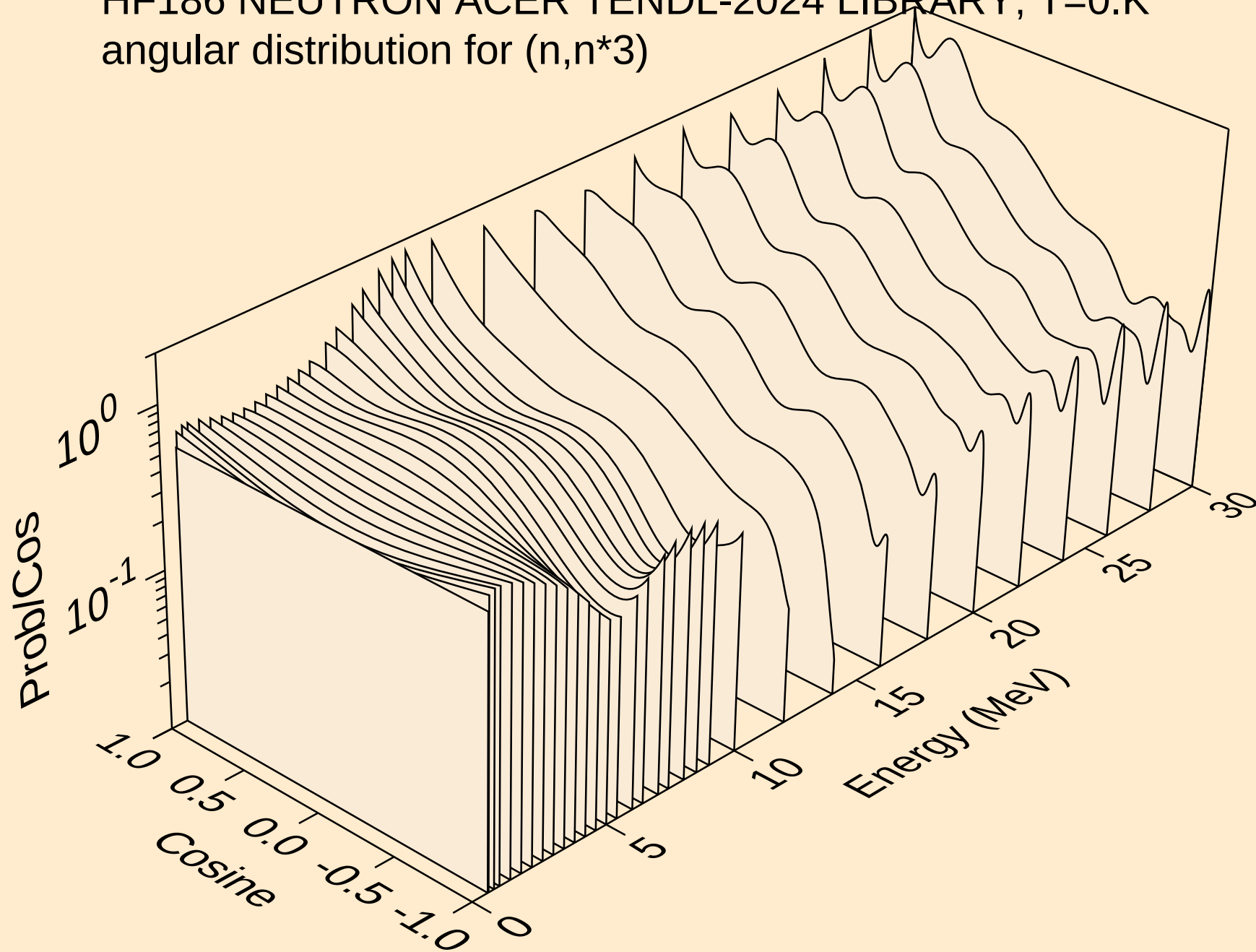
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



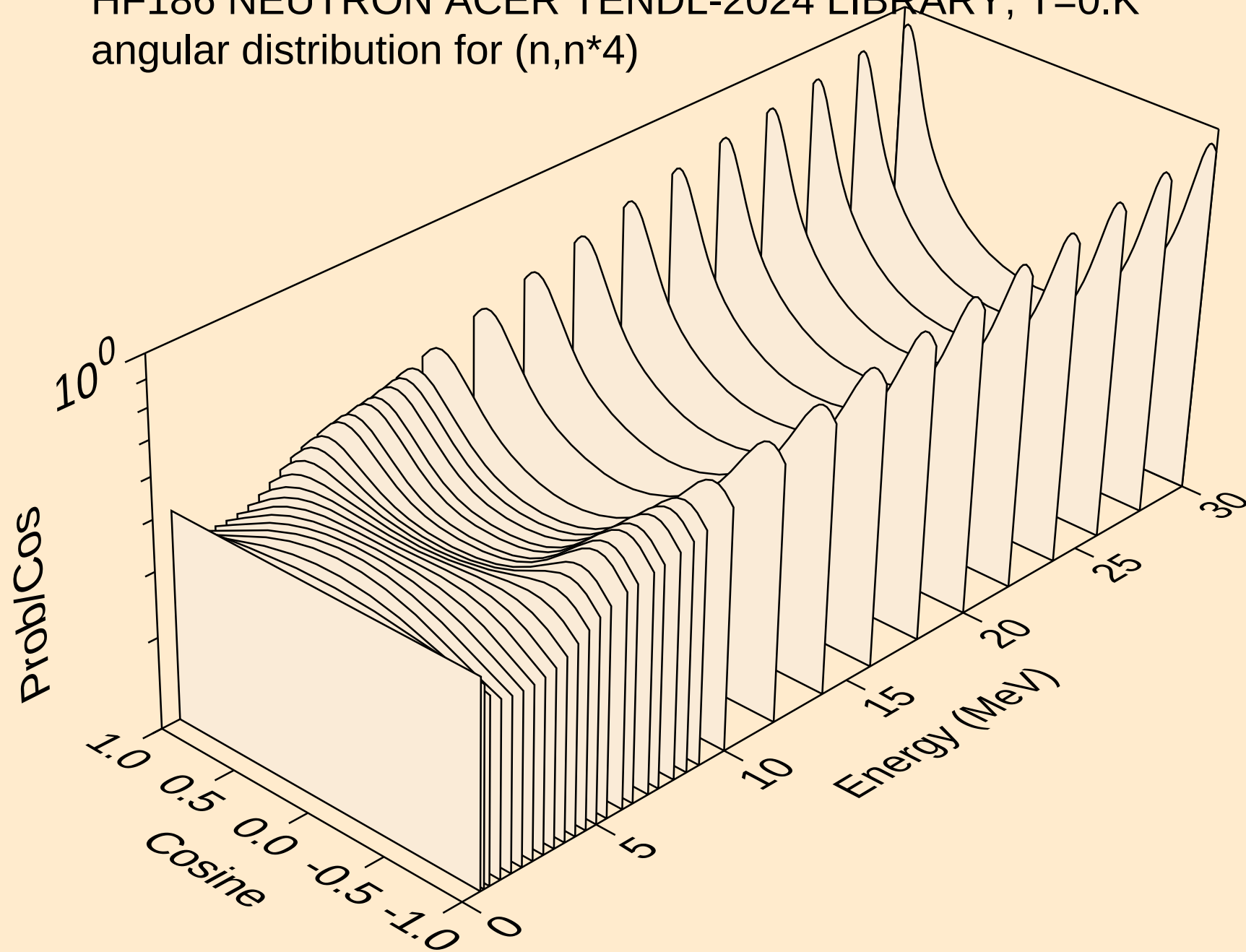
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



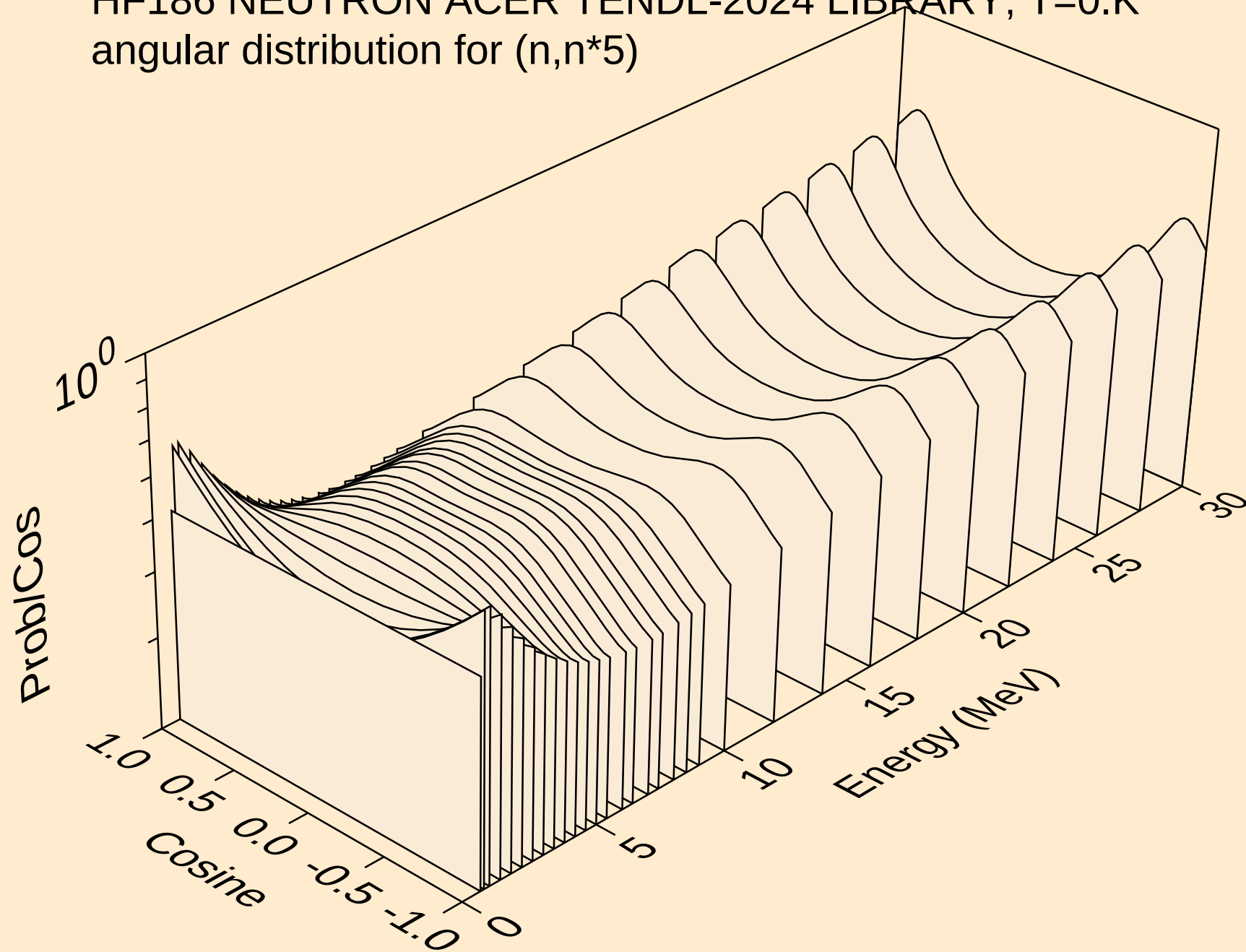
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



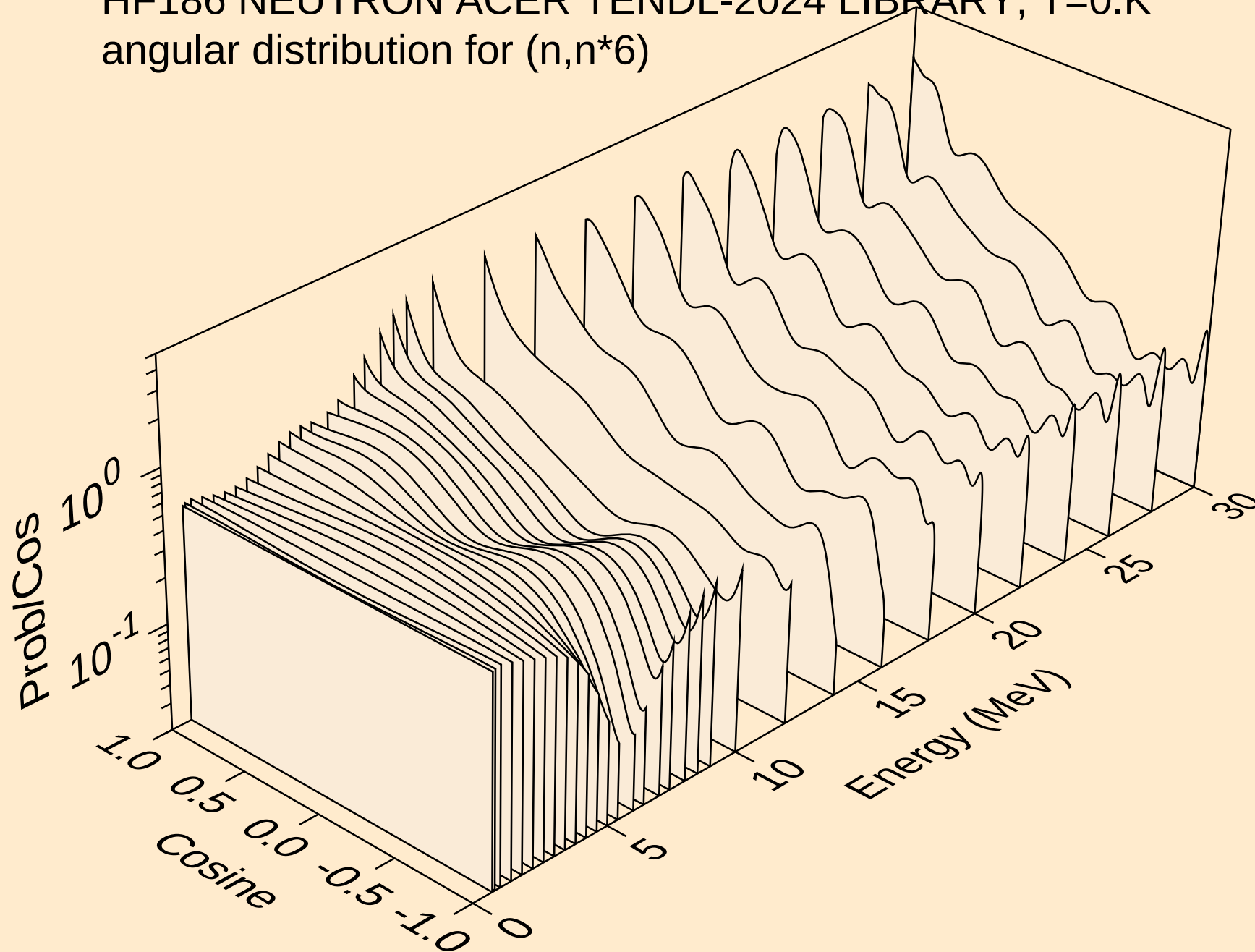
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



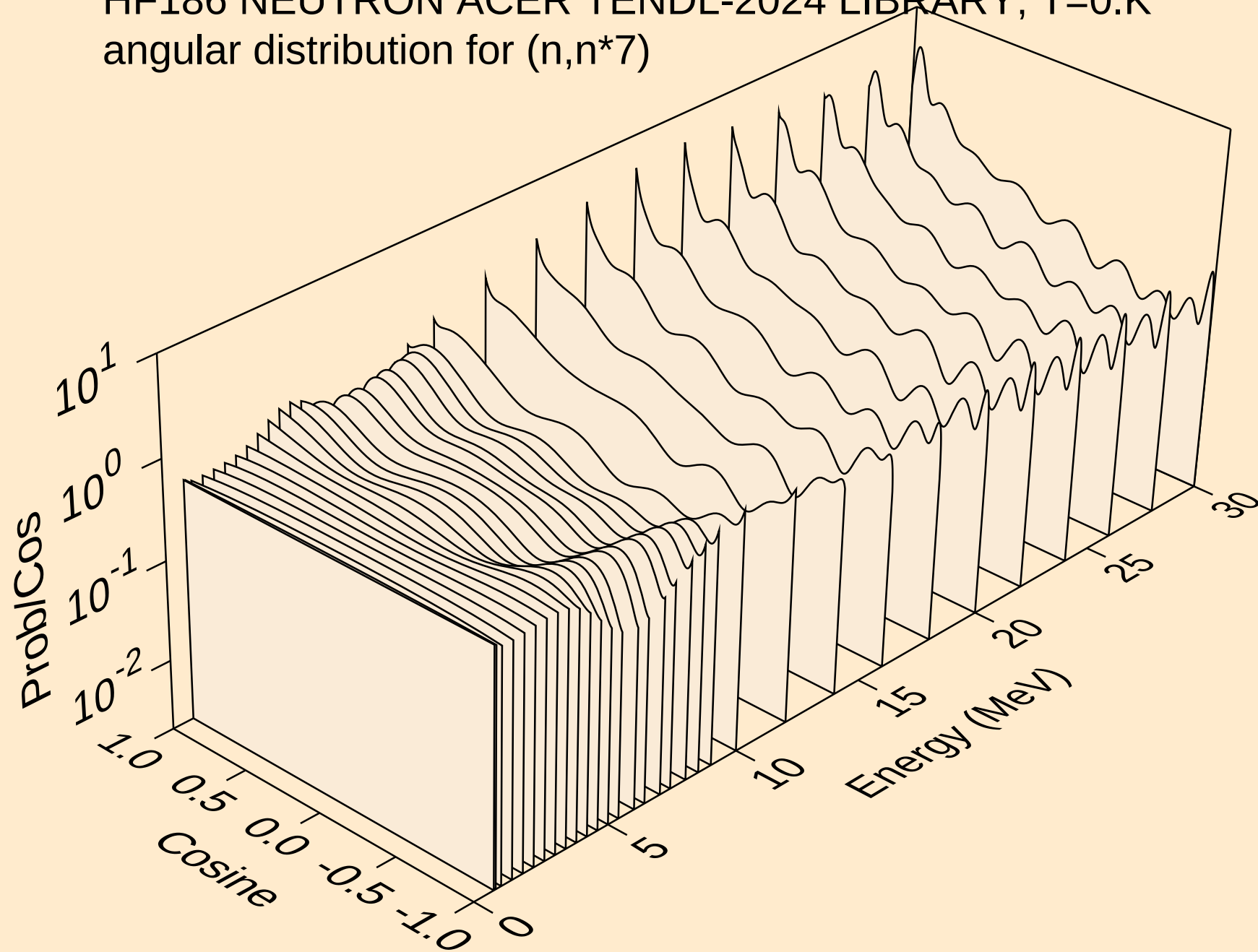
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



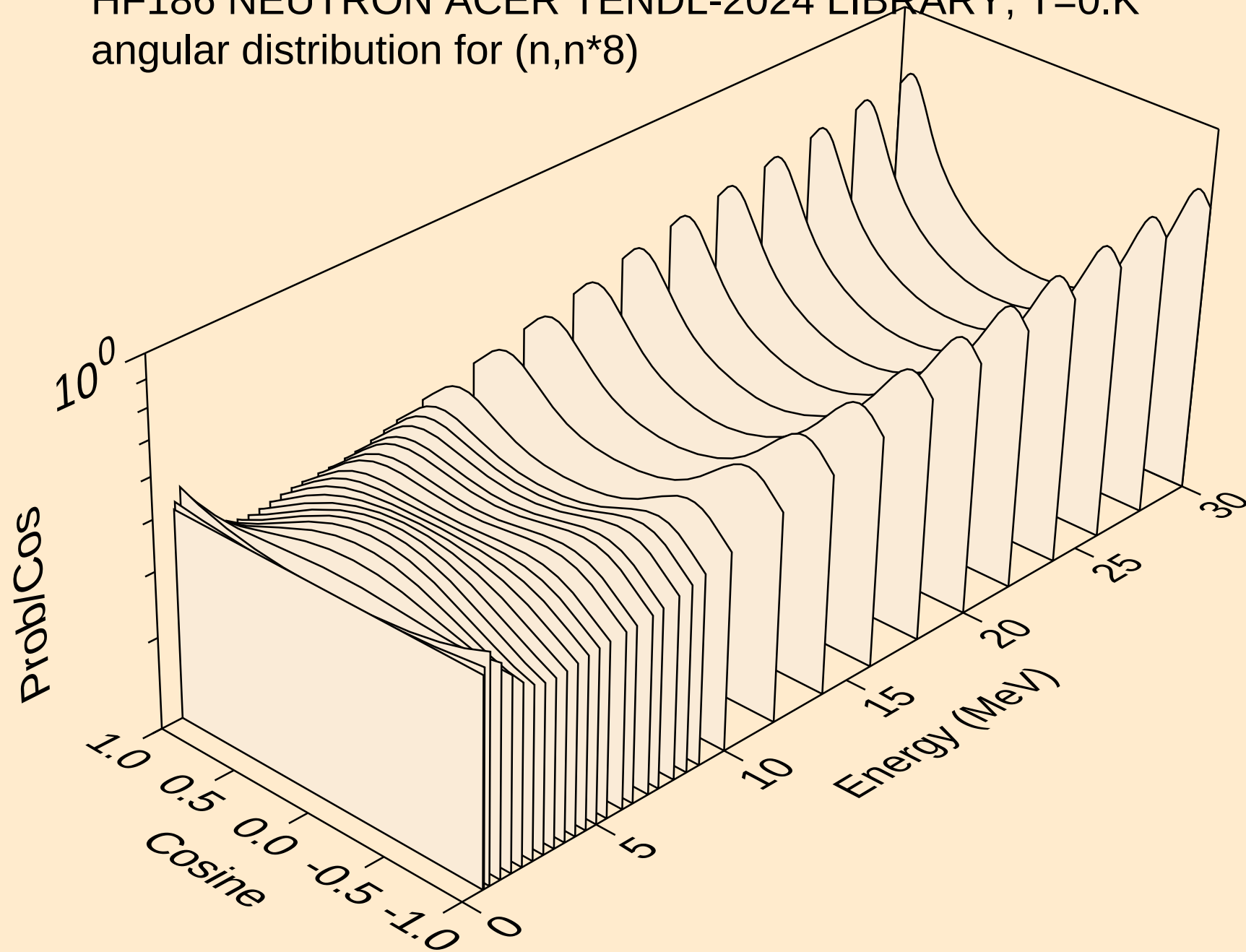
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



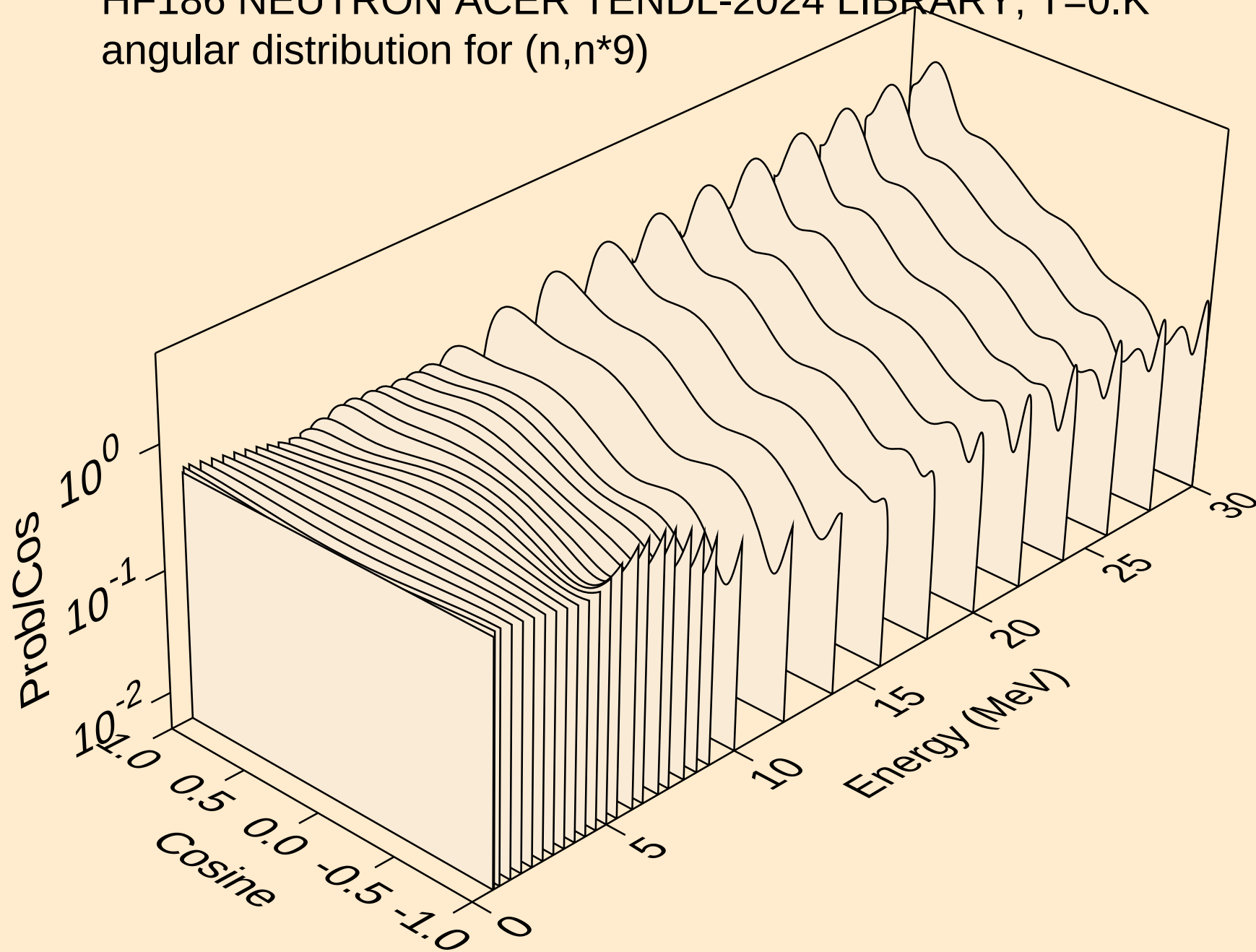
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angular distribution for (n,n\*7)



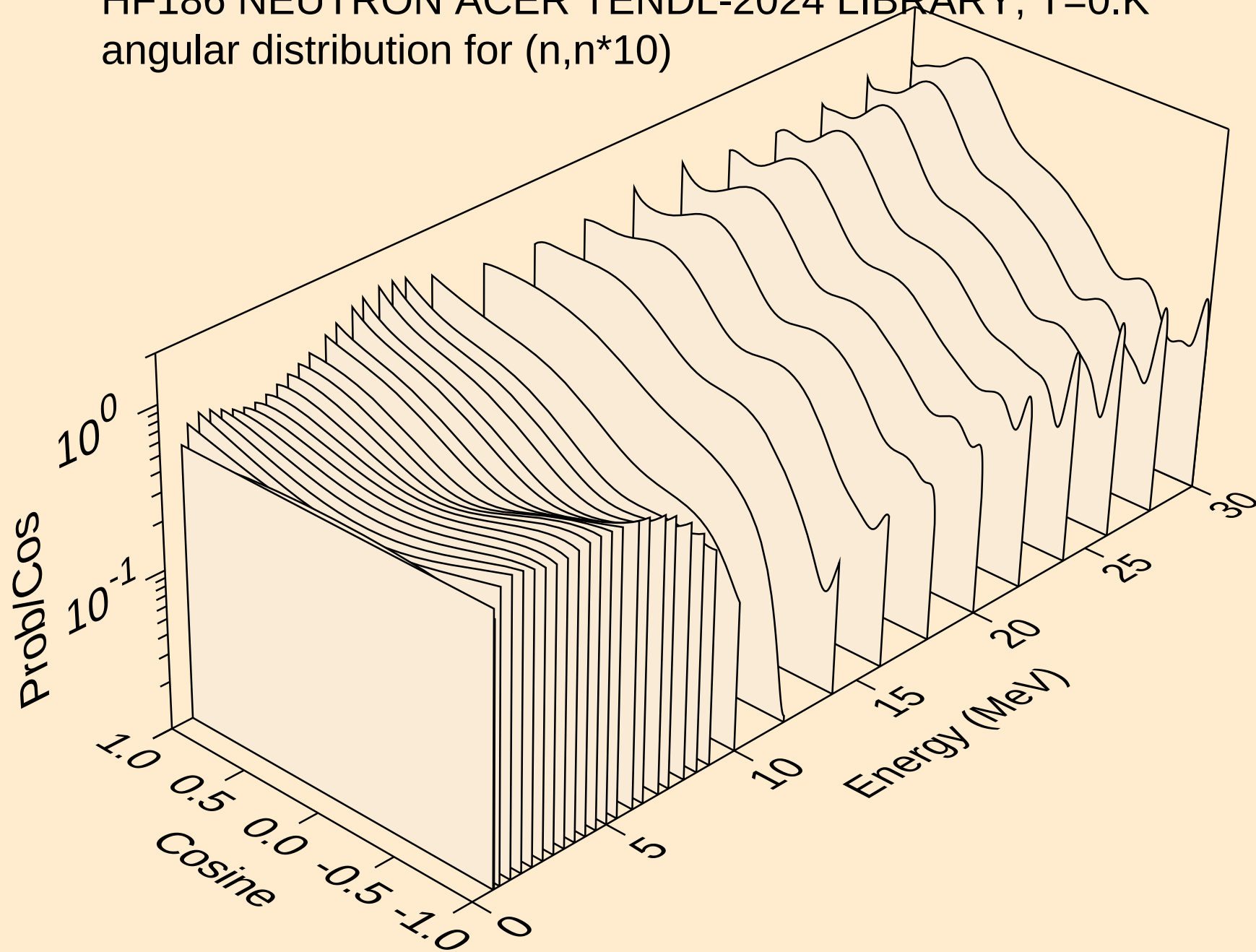
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angular distribution for (n,n\*8)



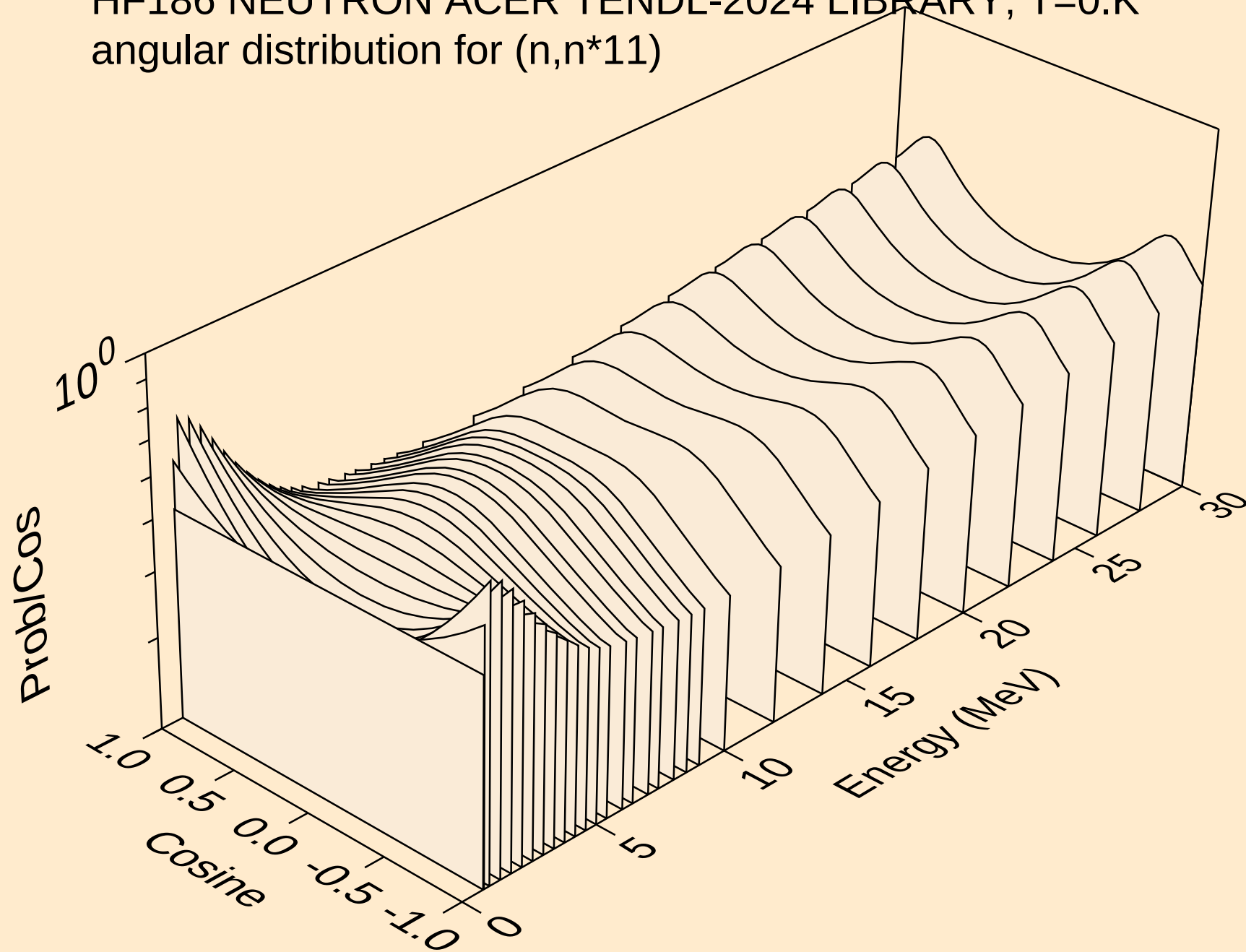
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



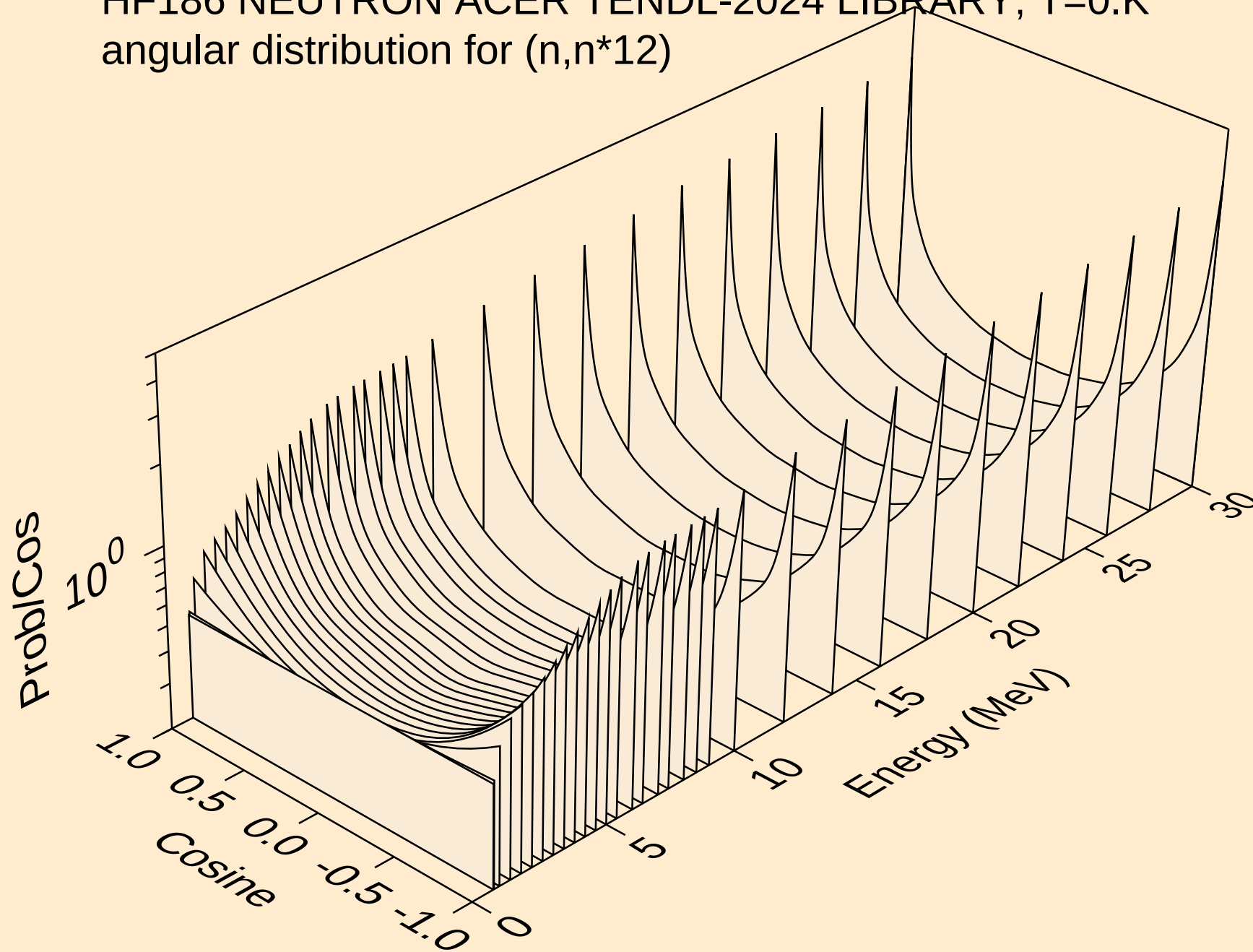
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



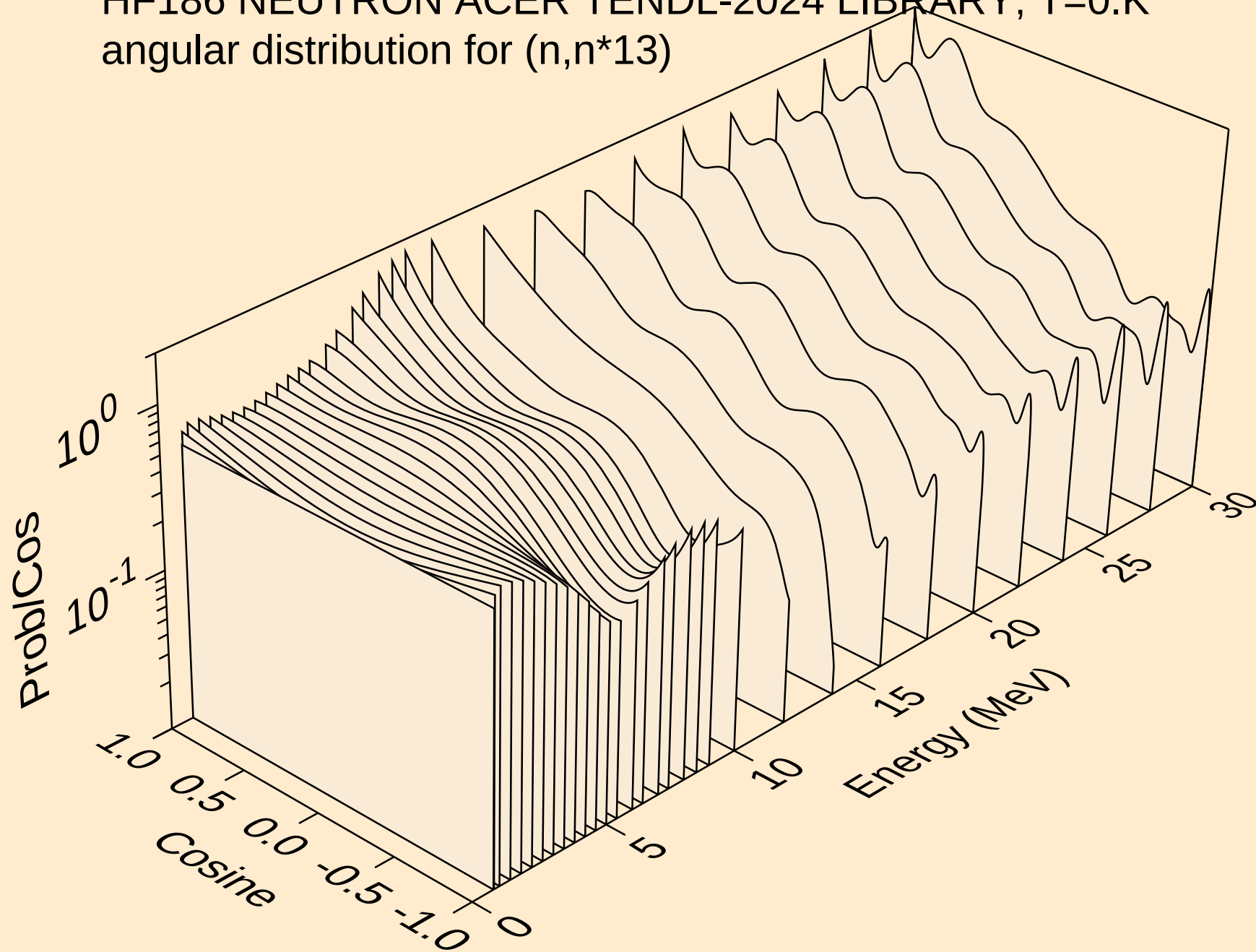
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angular distribution for (n,n\*11)



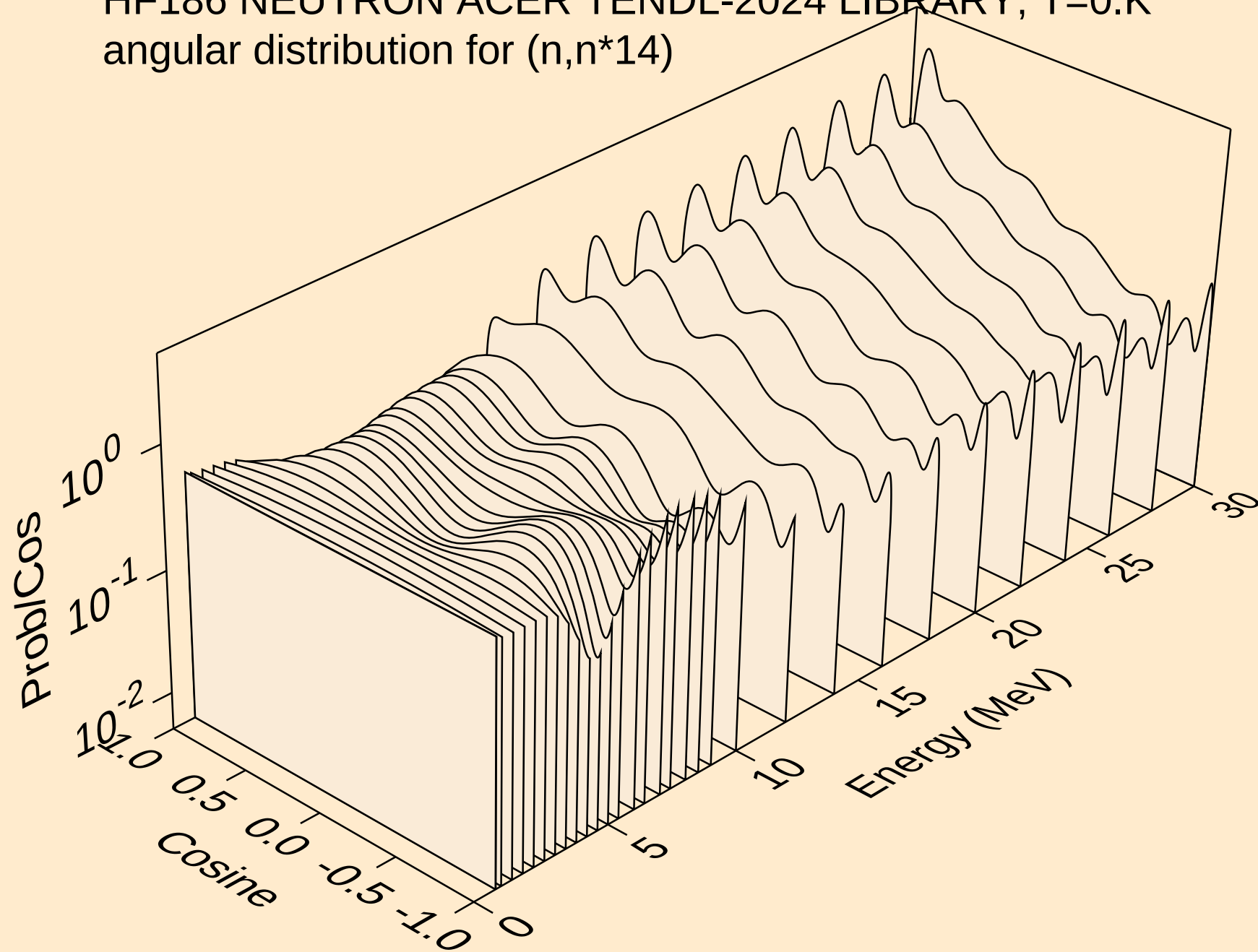
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angular distribution for (n,n\*12)



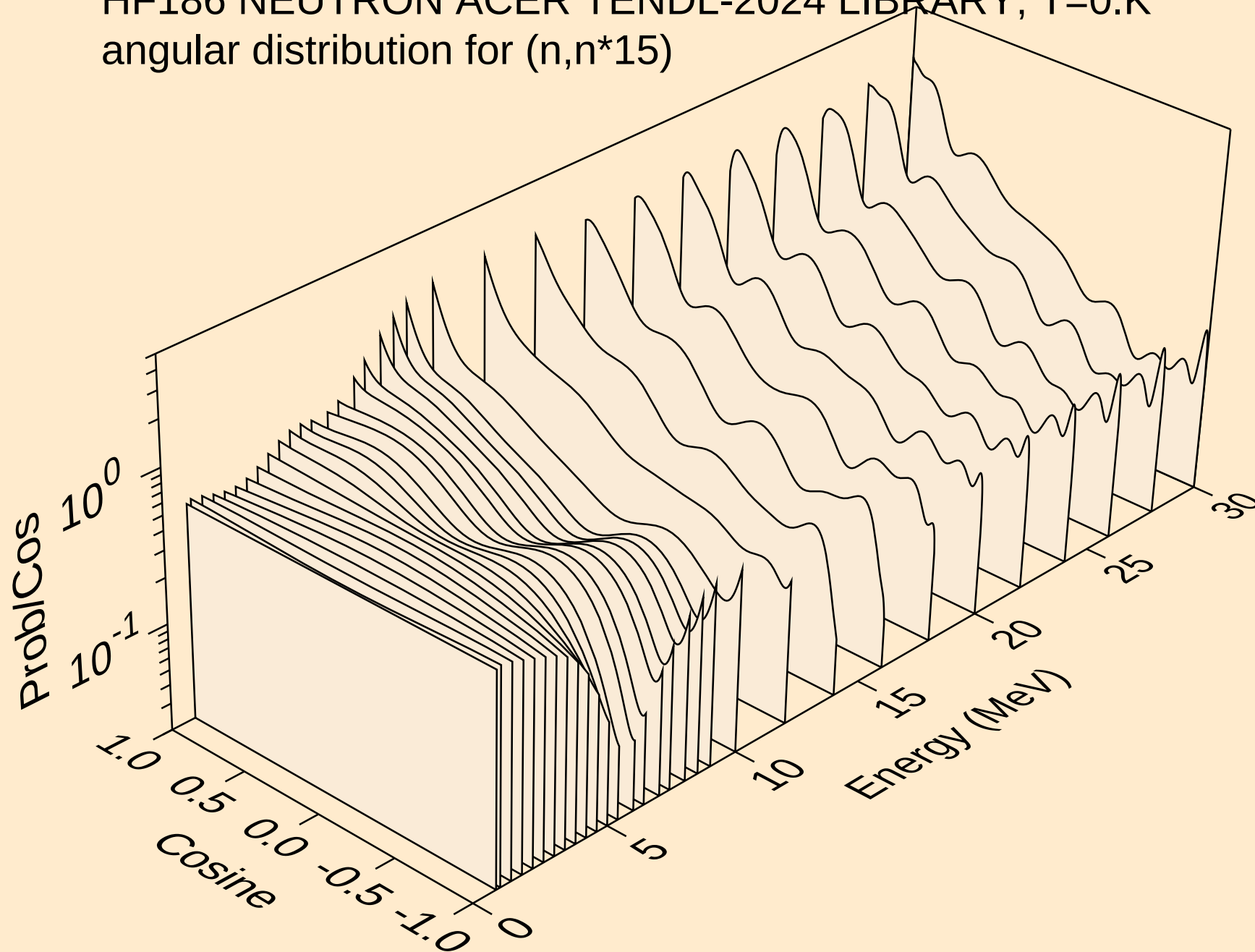
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angular distribution for (n,n\*13)



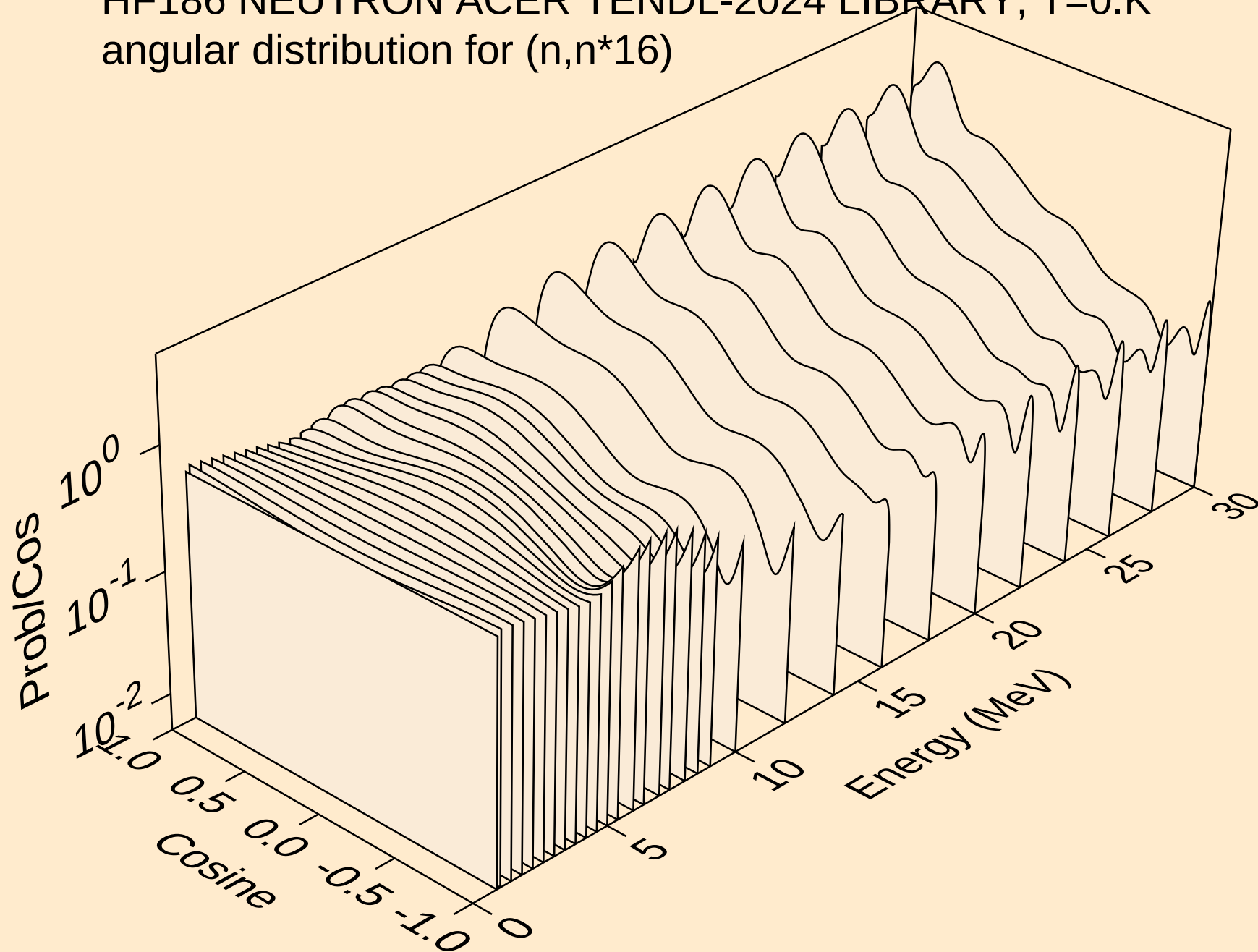
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angular distribution for (n,n\*14)



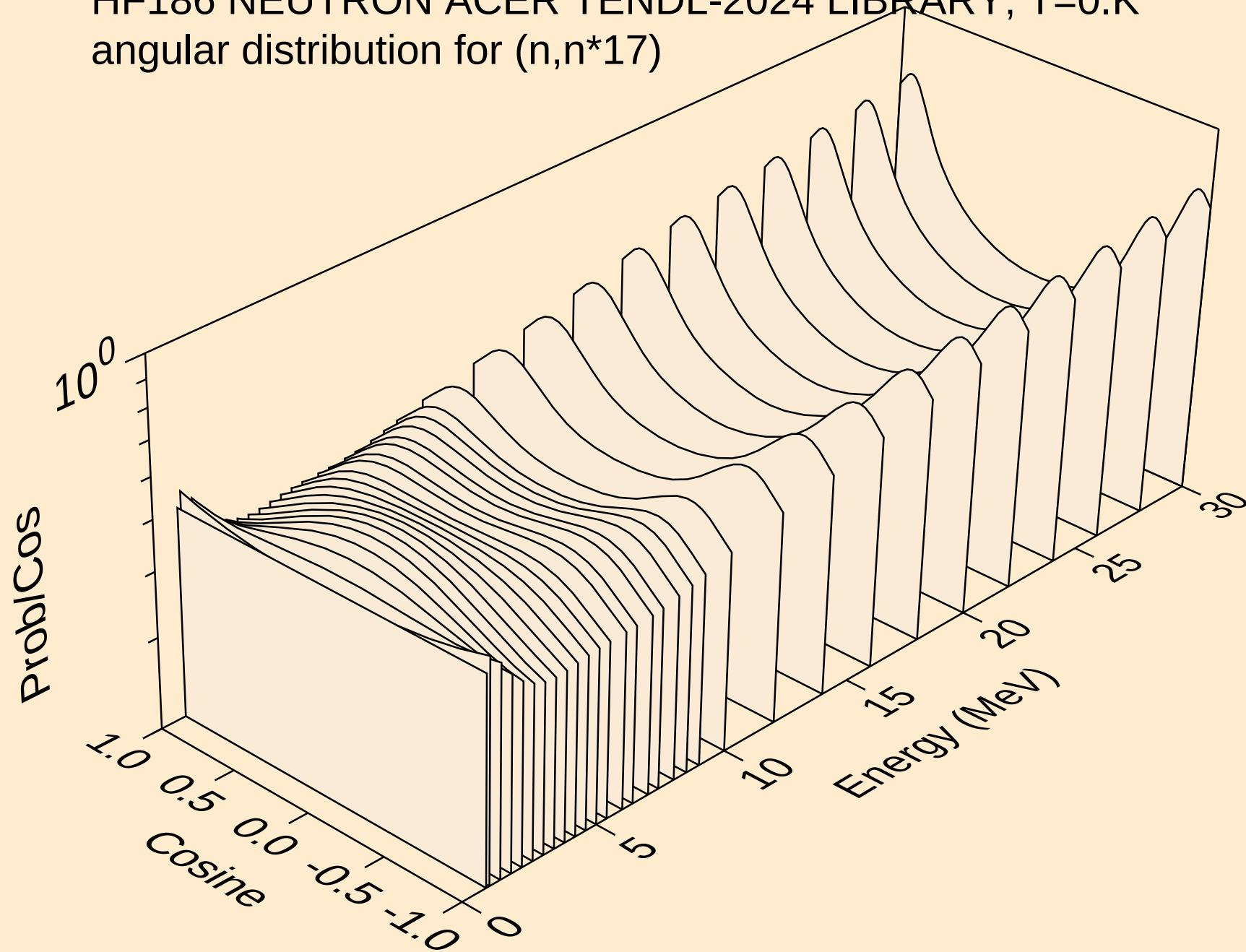
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angular distribution for (n,n\*15)



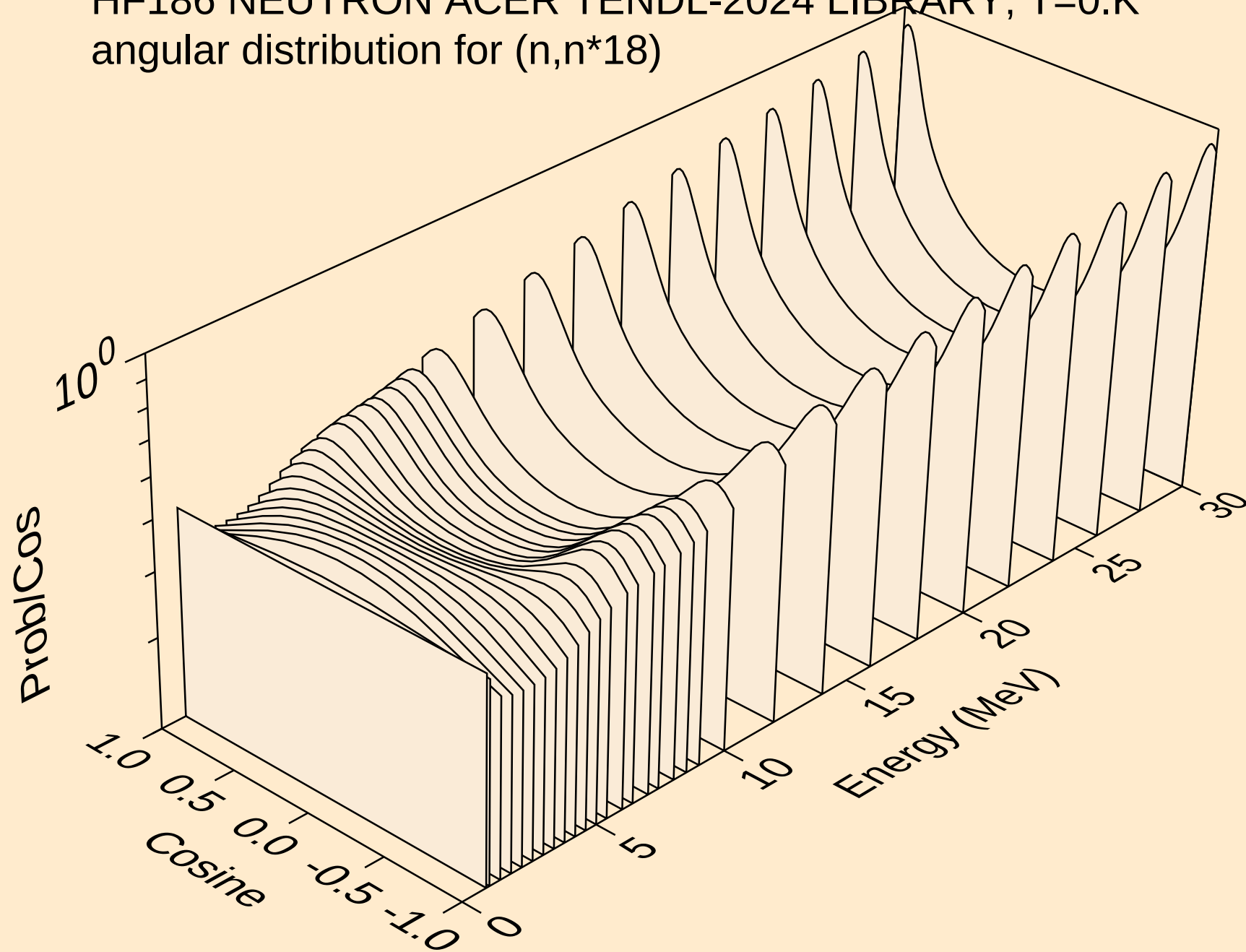
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



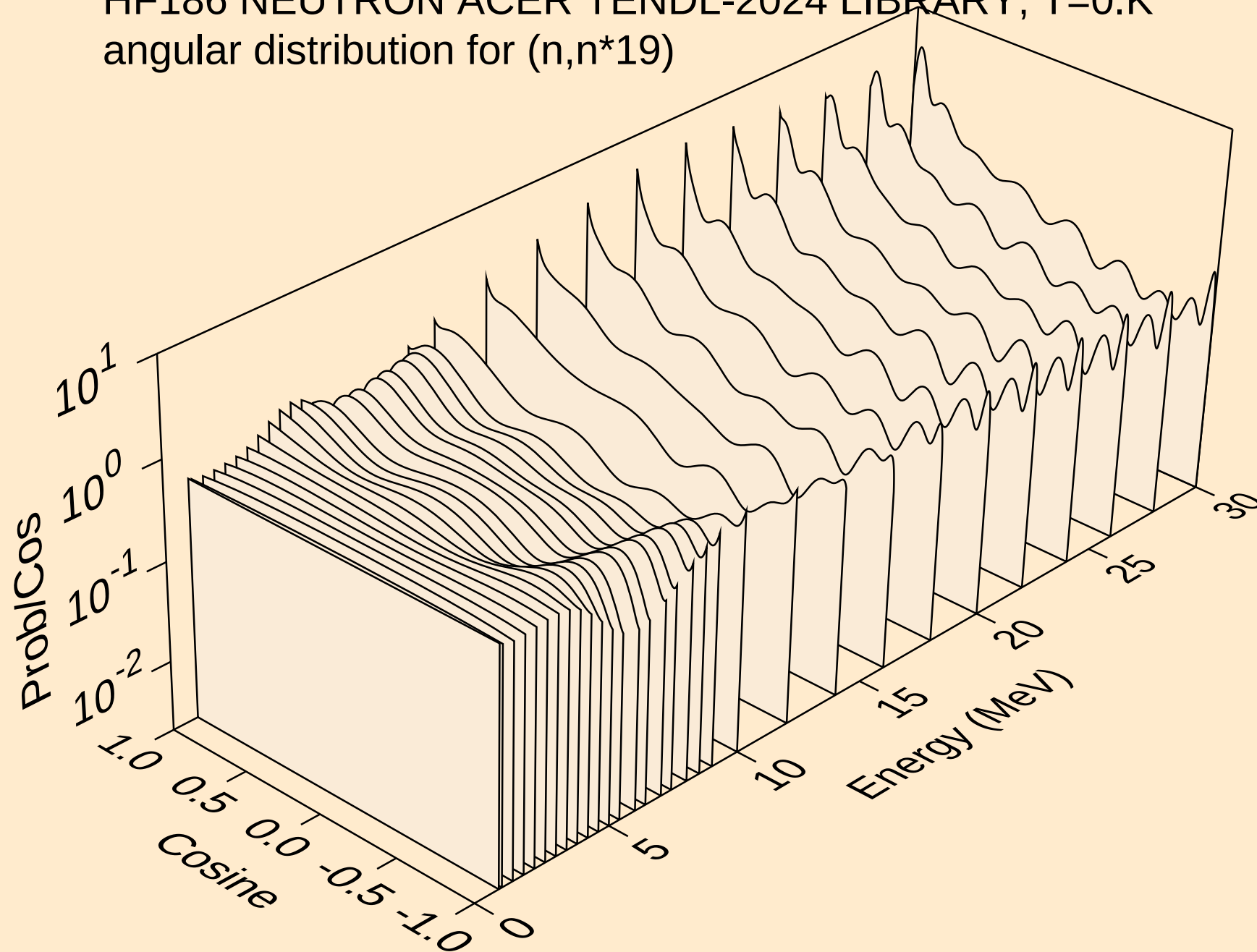
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



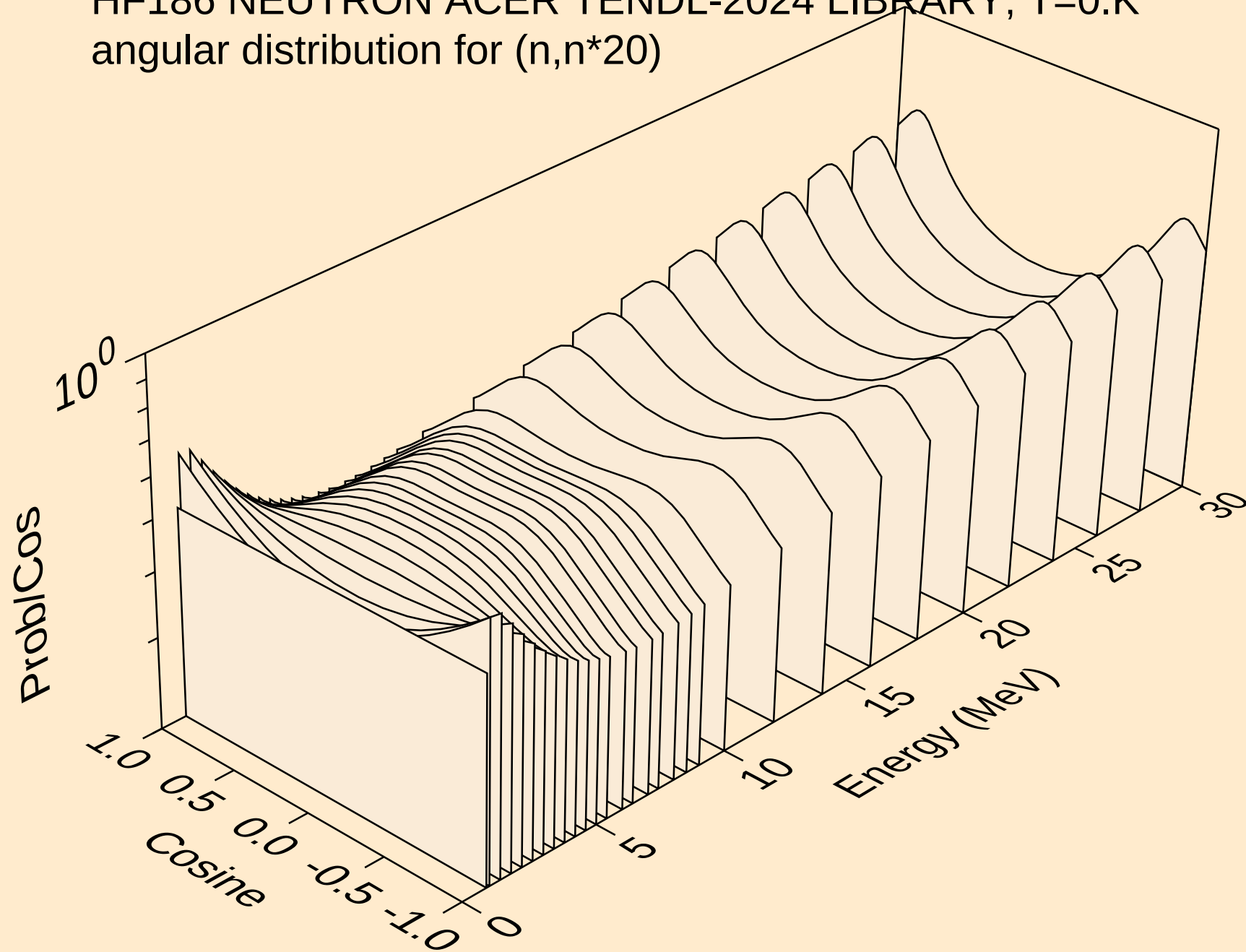
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angular distribution for (n,n\*18)



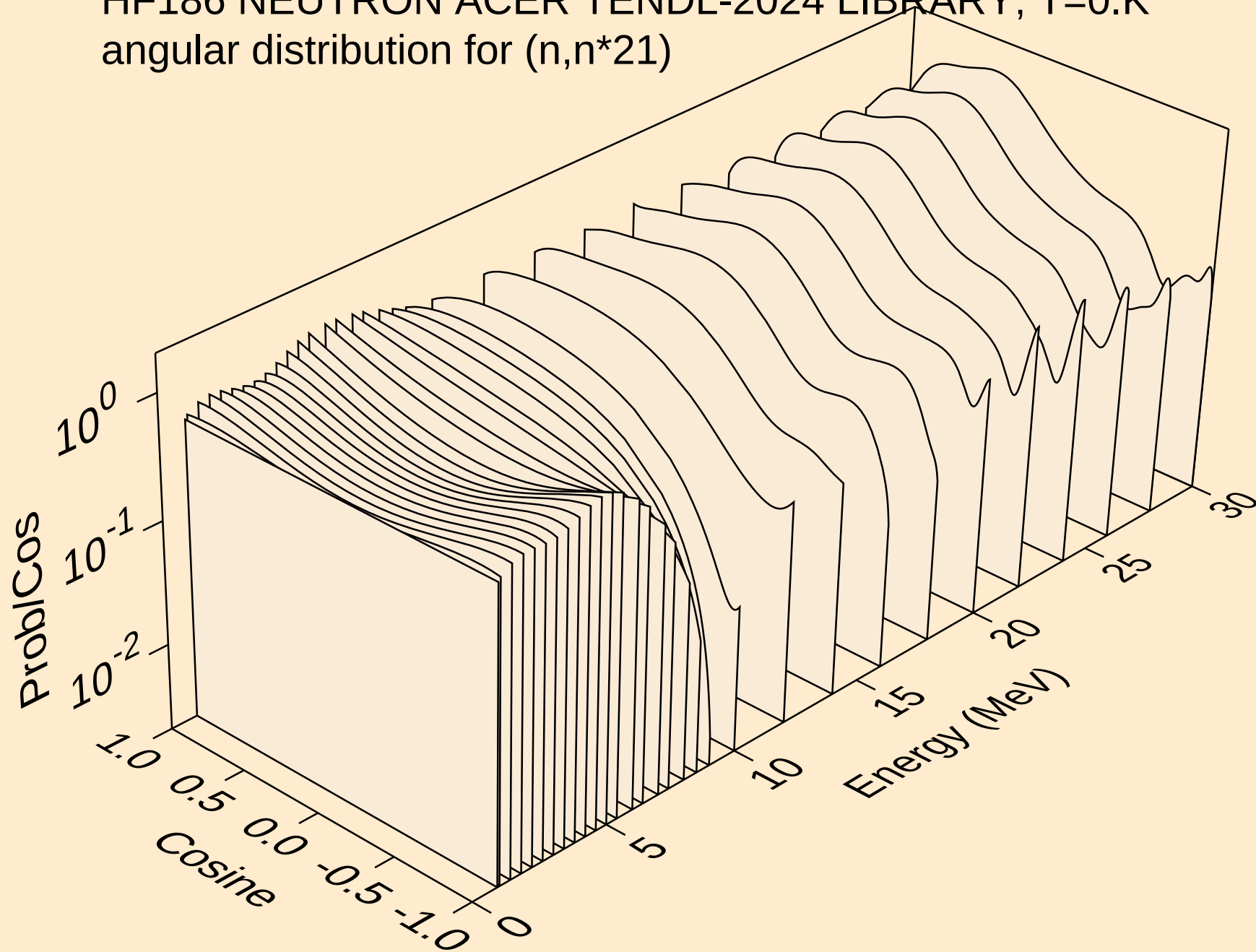
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angular distribution for (n,n\*19)



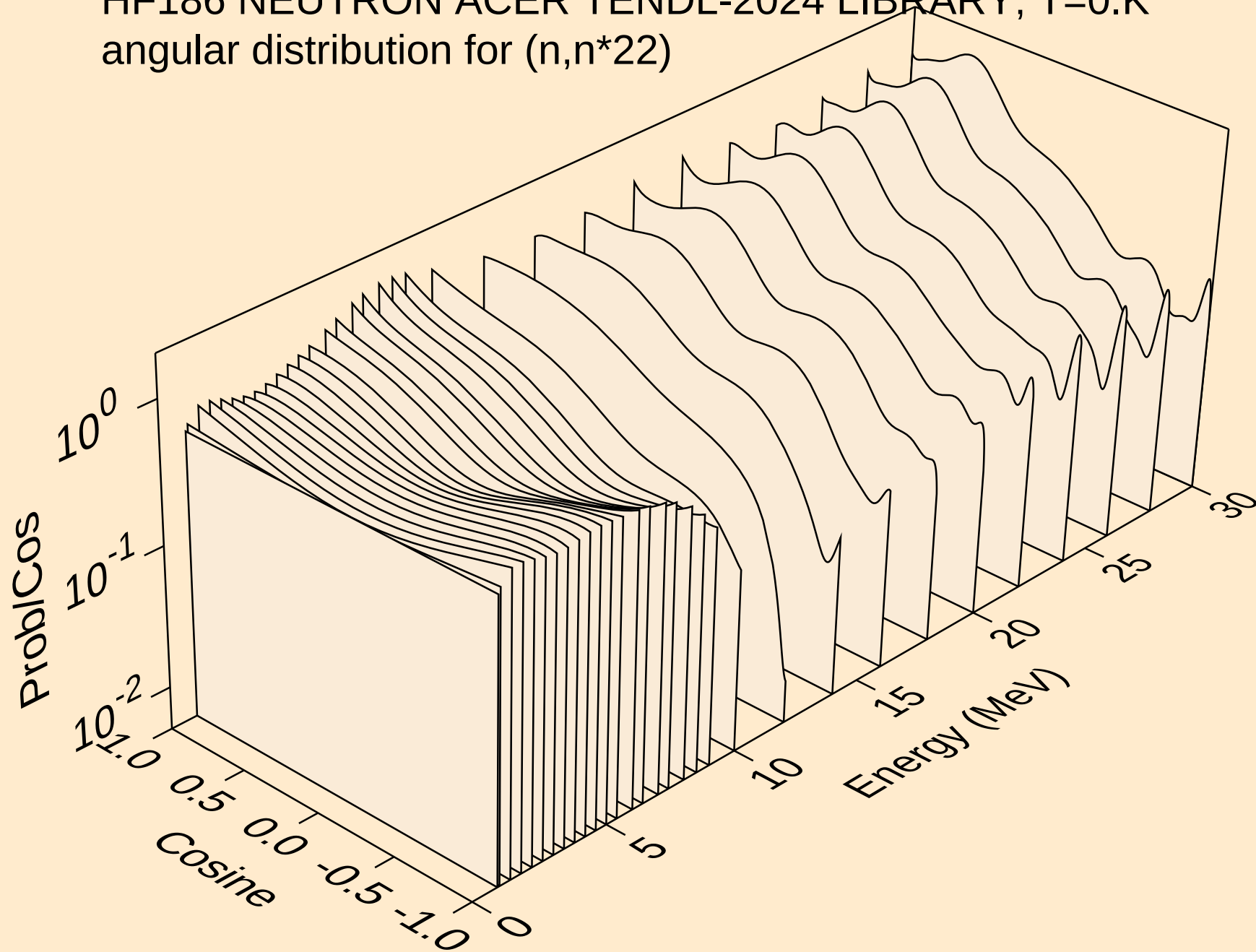
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angular distribution for (n,n\*20)



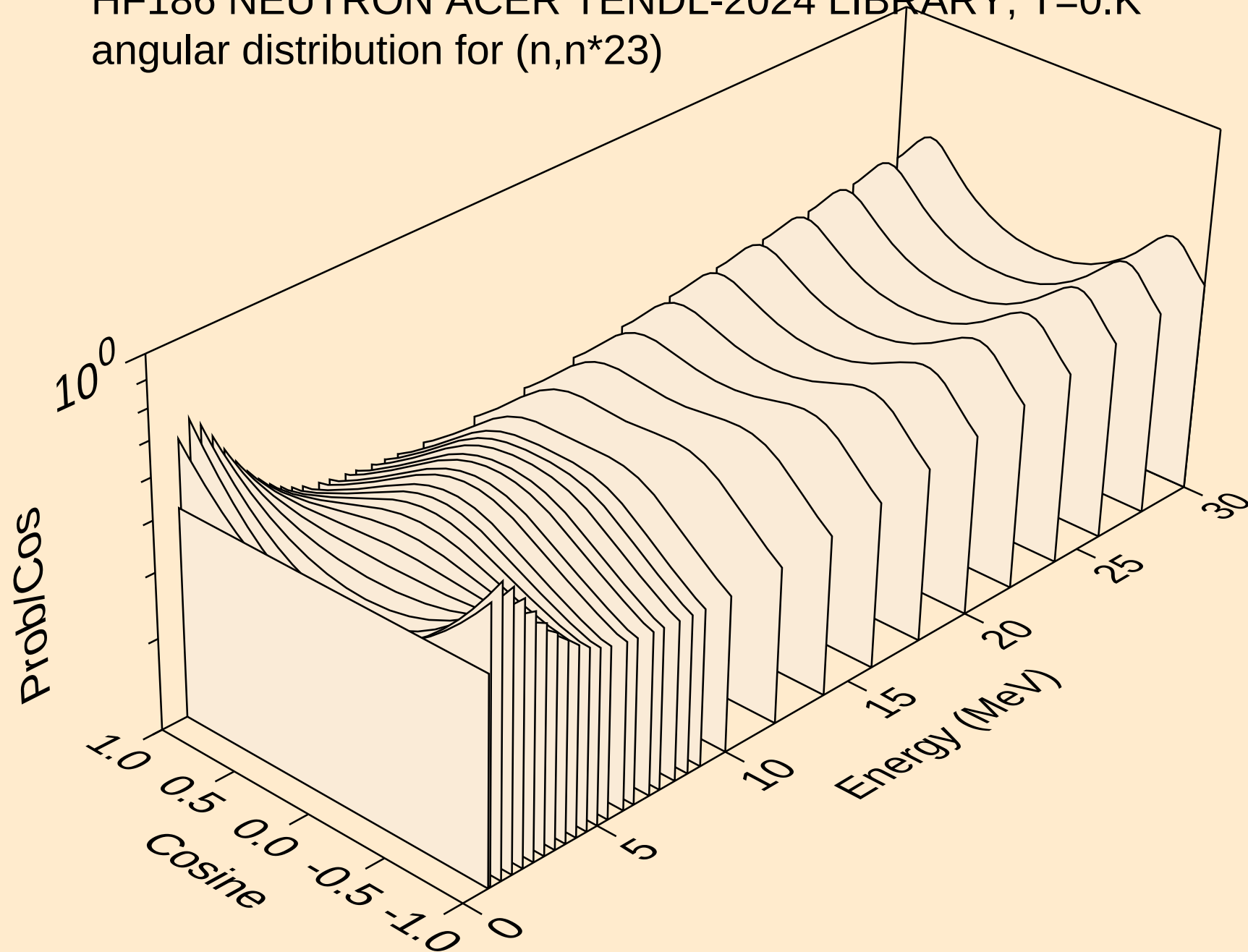
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angular distribution for (n,n\*21)



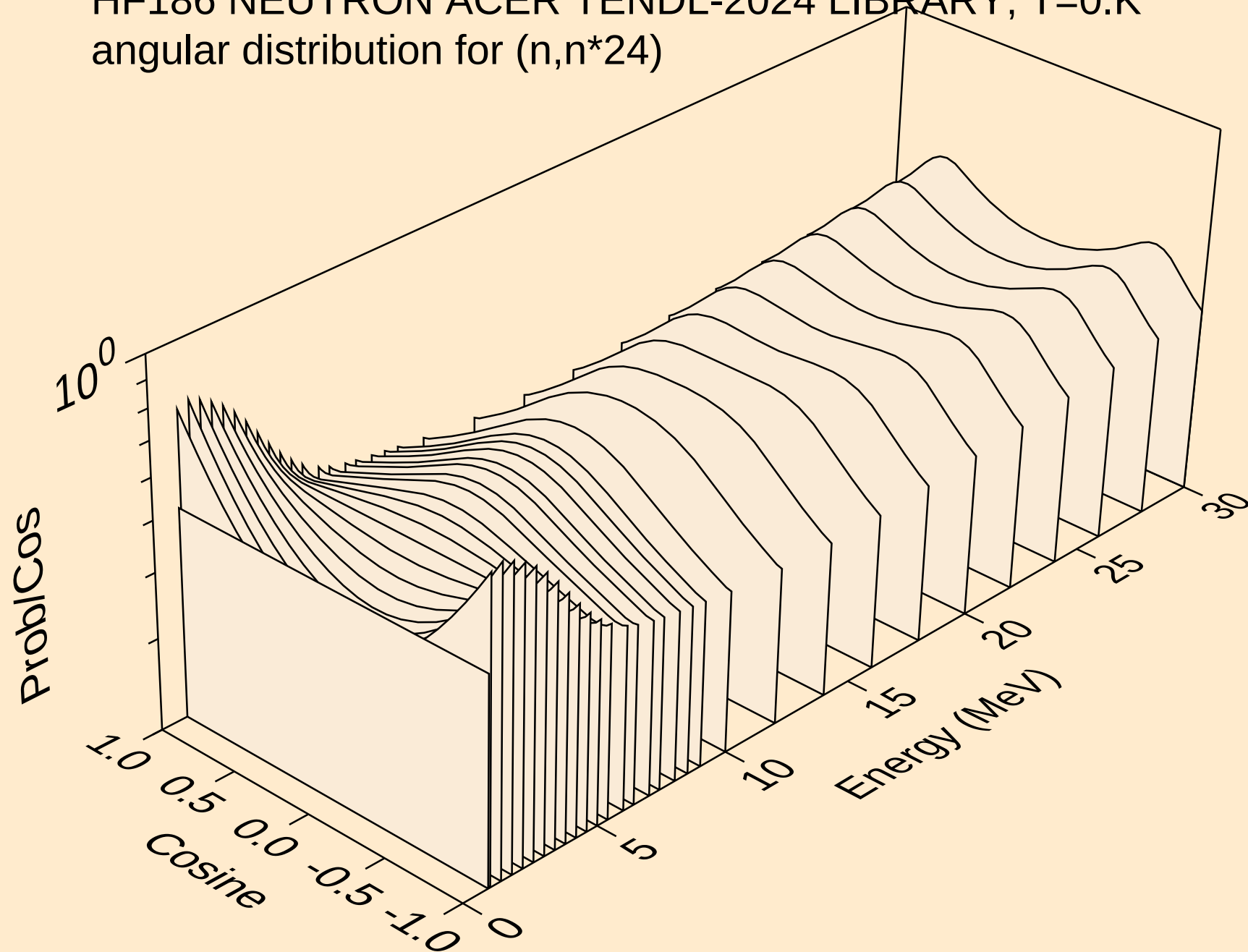
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angular distribution for (n,n\*22)



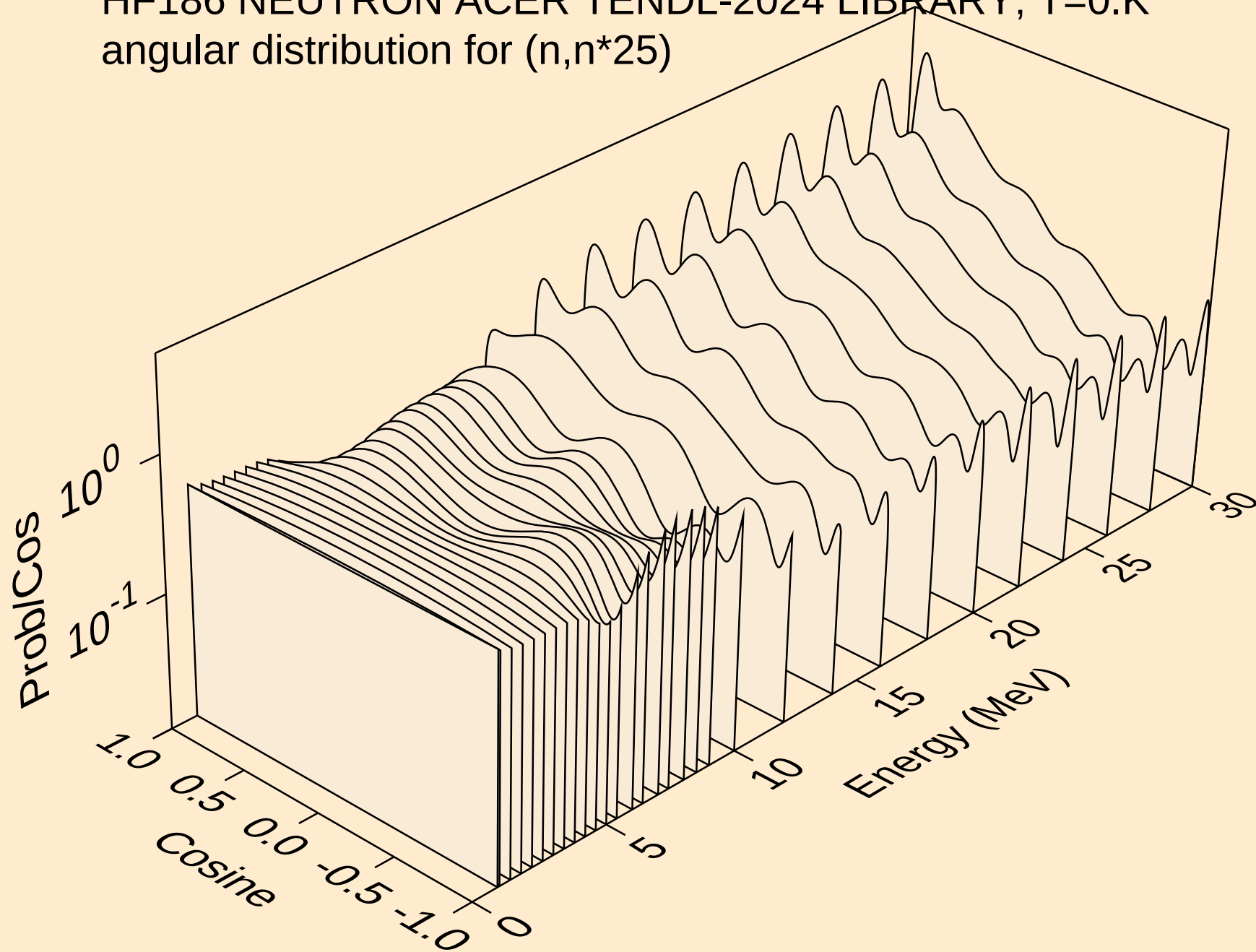
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angular distribution for (n,n\*23)



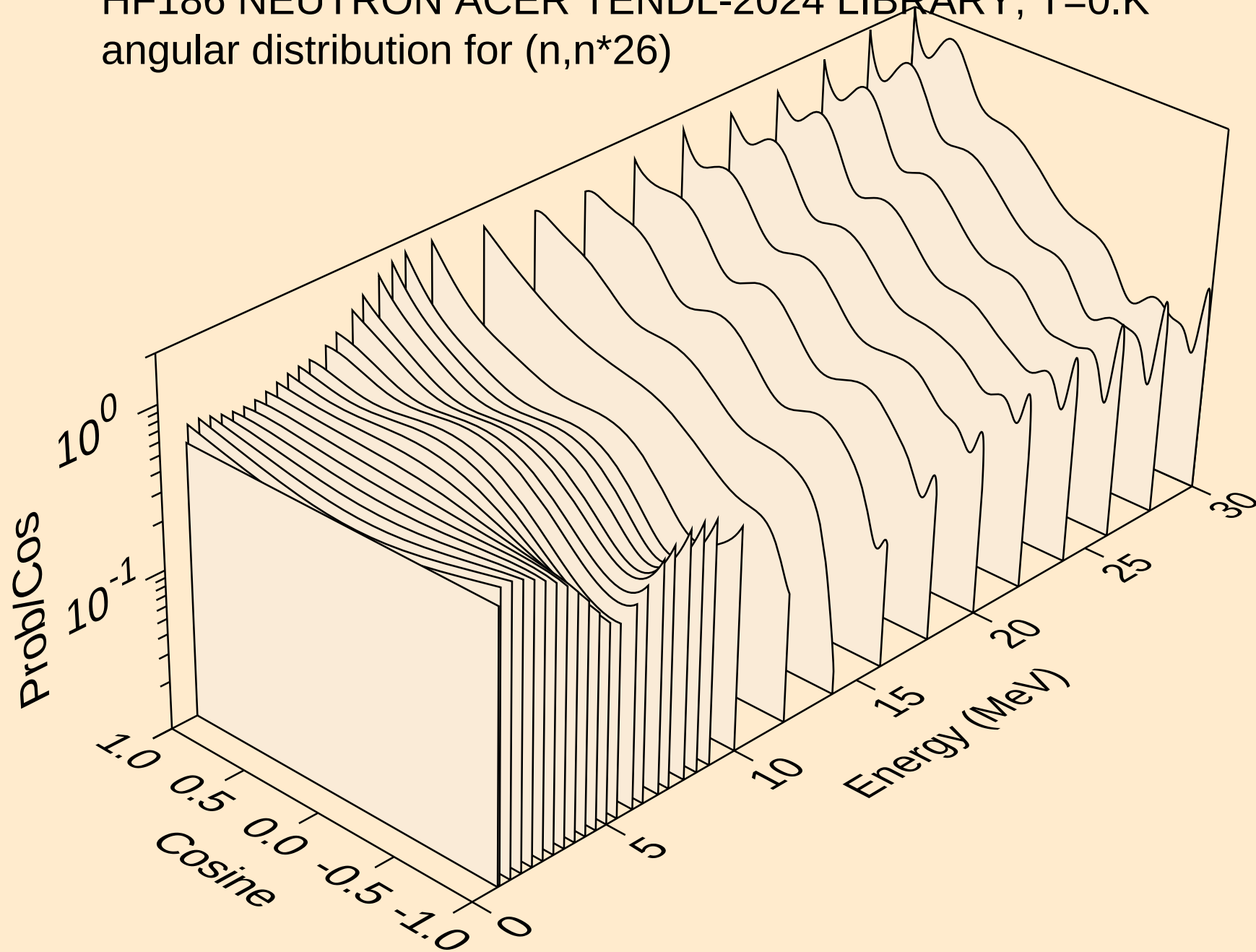
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angular distribution for (n,n\*24)



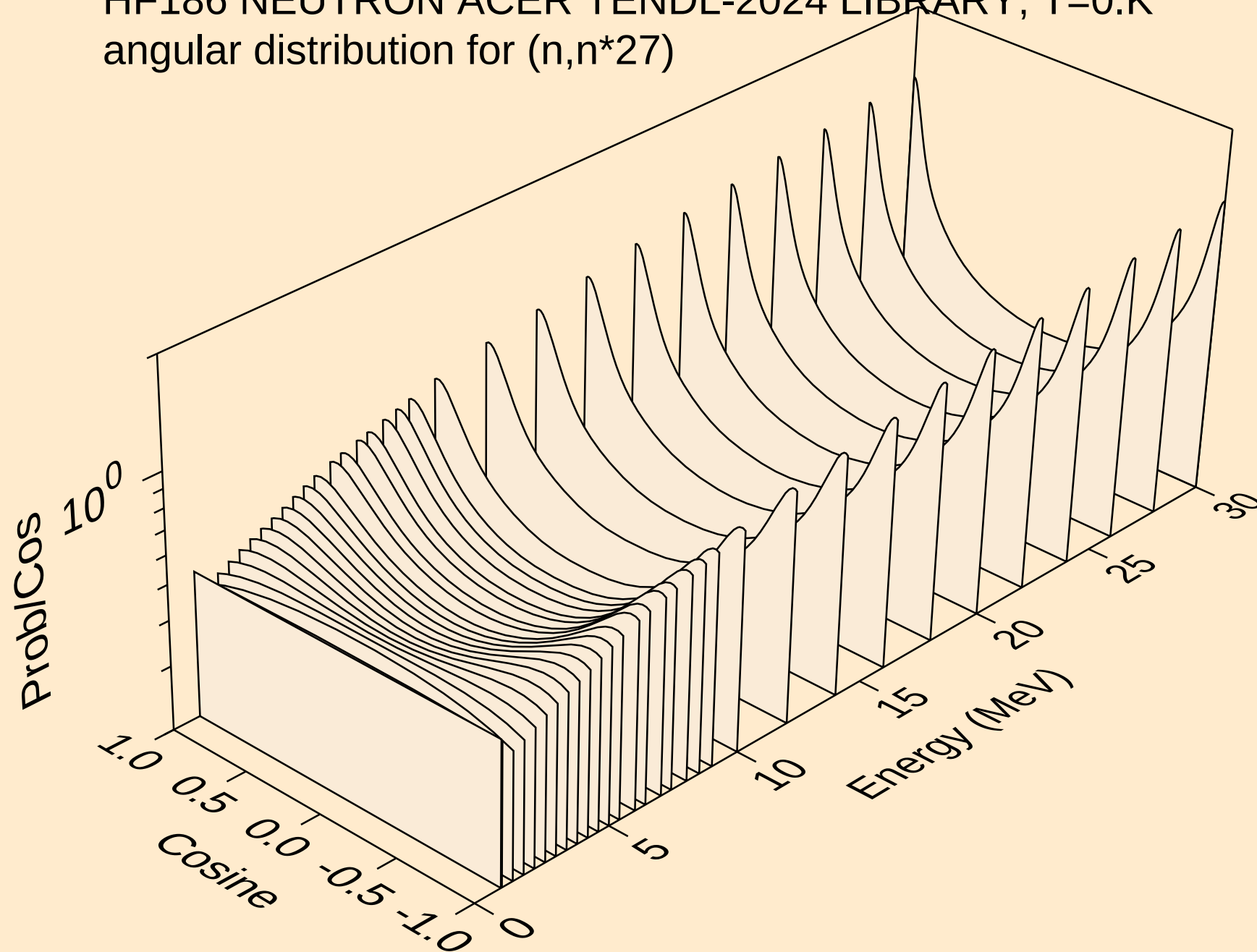
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angular distribution for (n,n\*25)



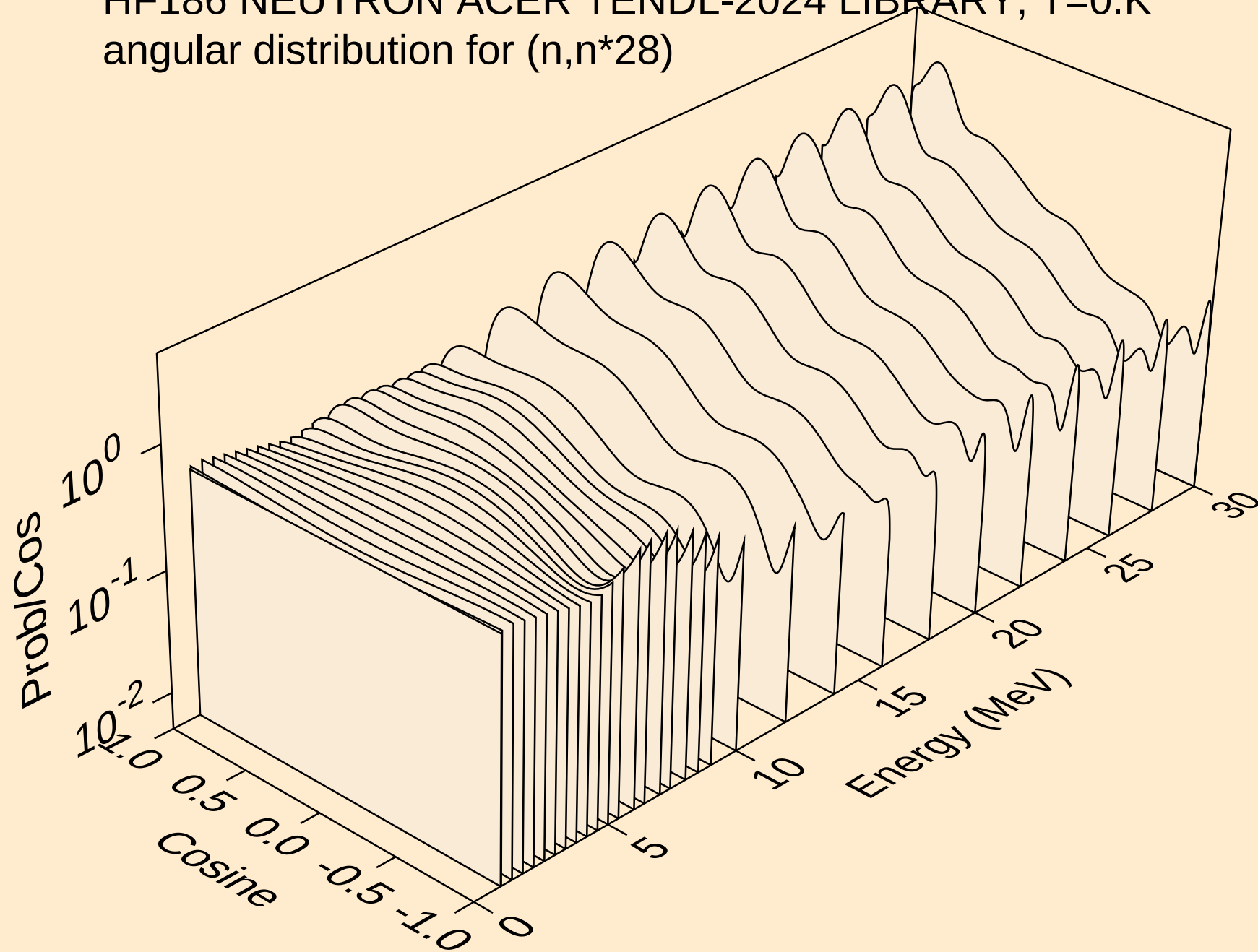
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



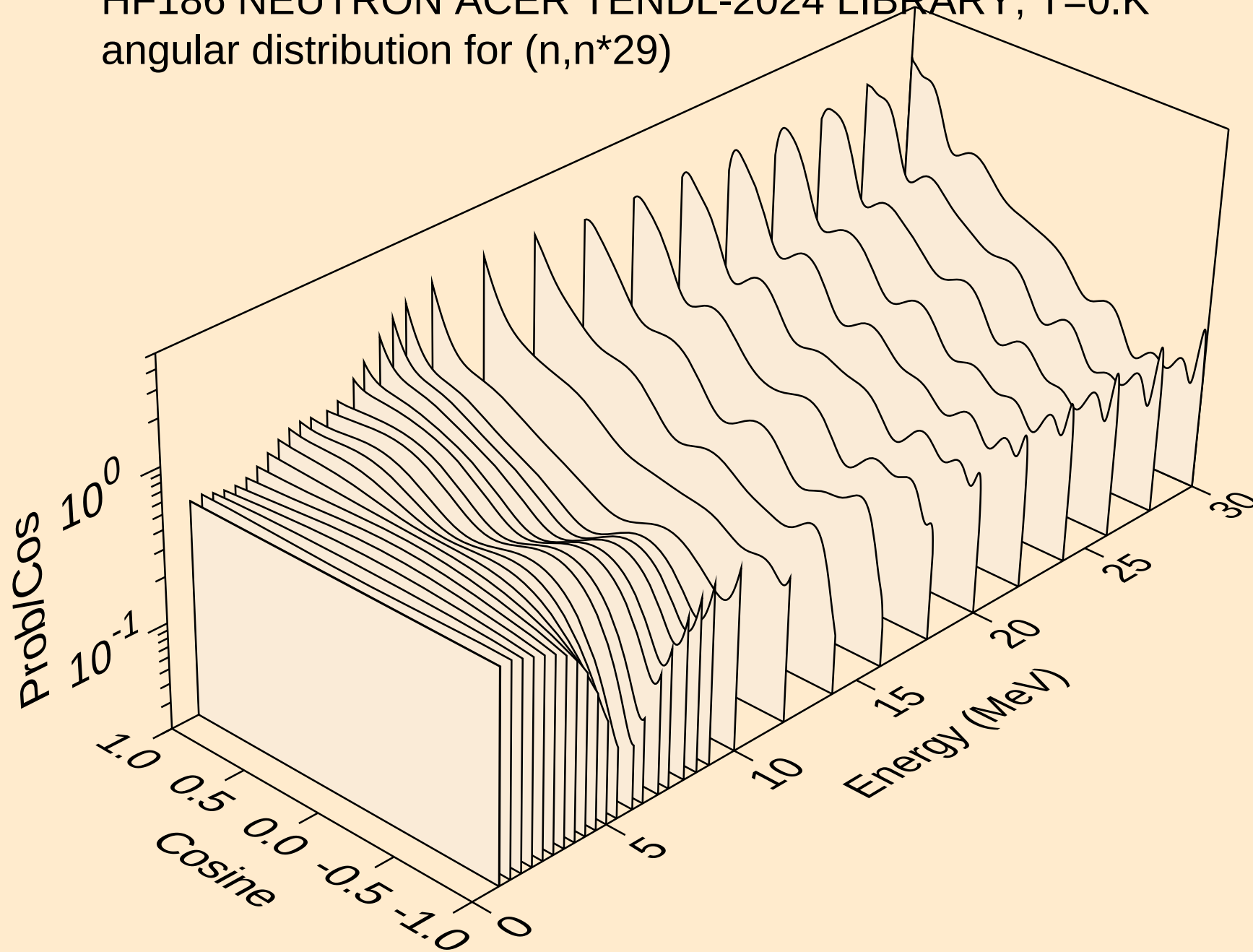
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angular distribution for (n,n\*27)



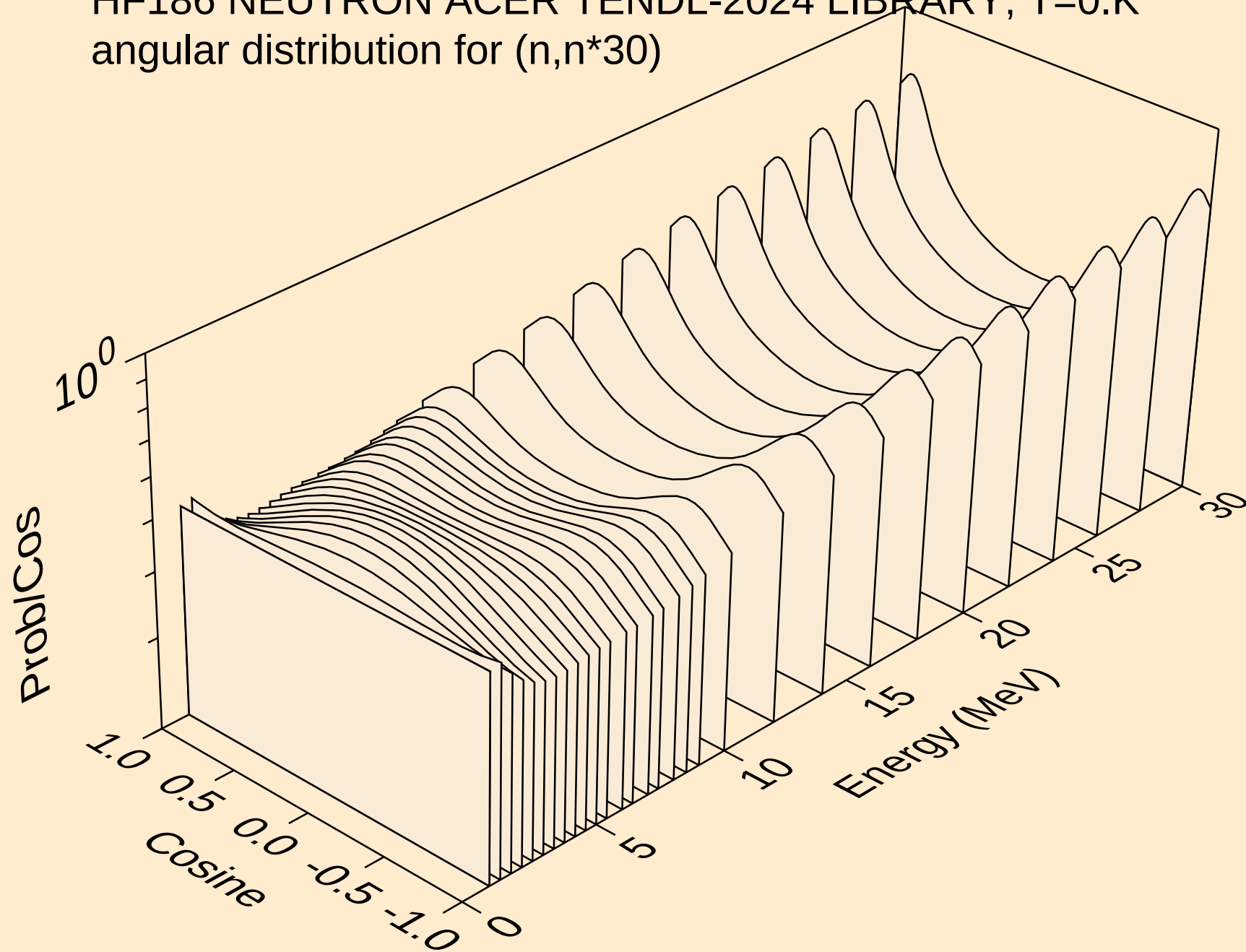
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



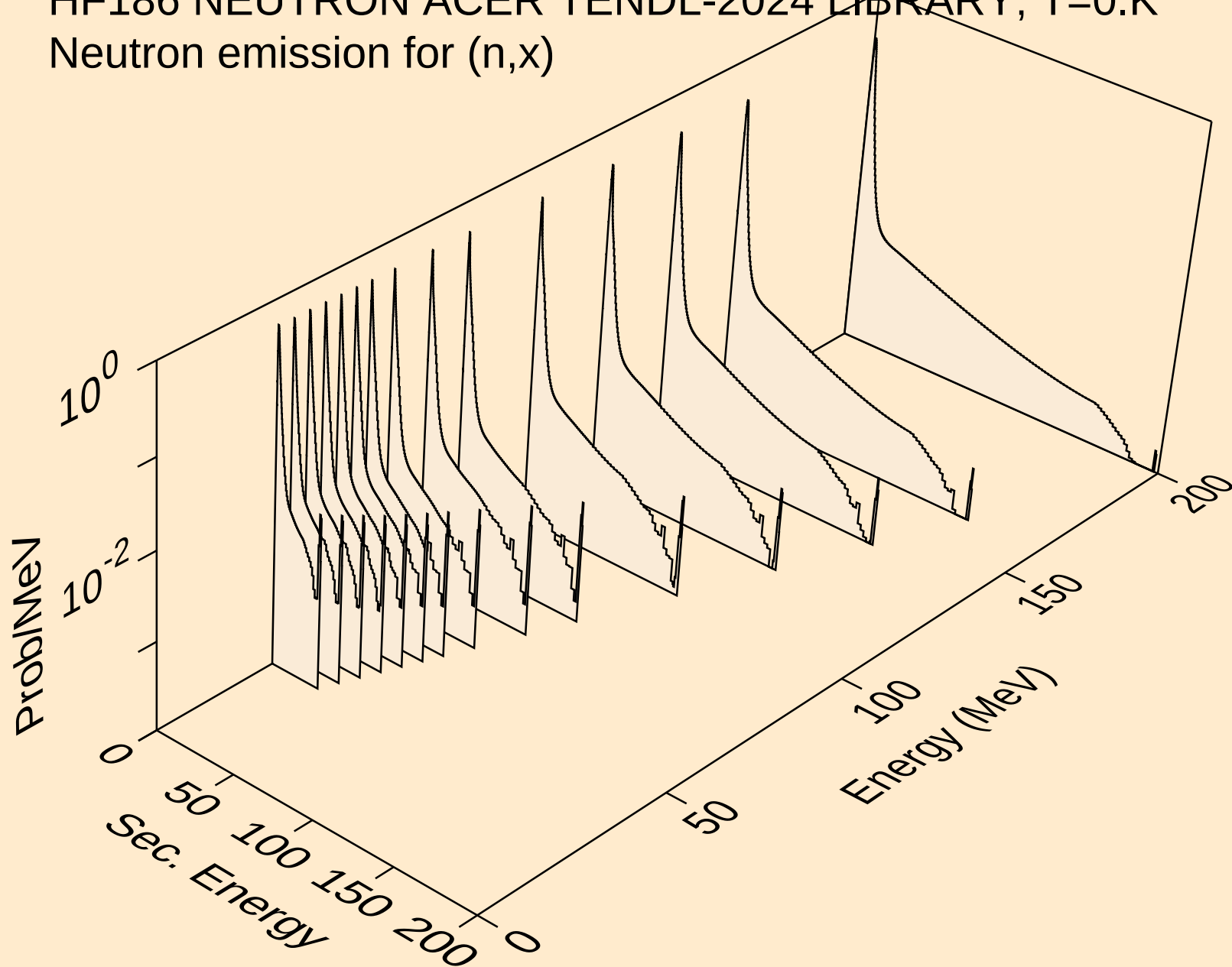
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angular distribution for (n,n\*29)



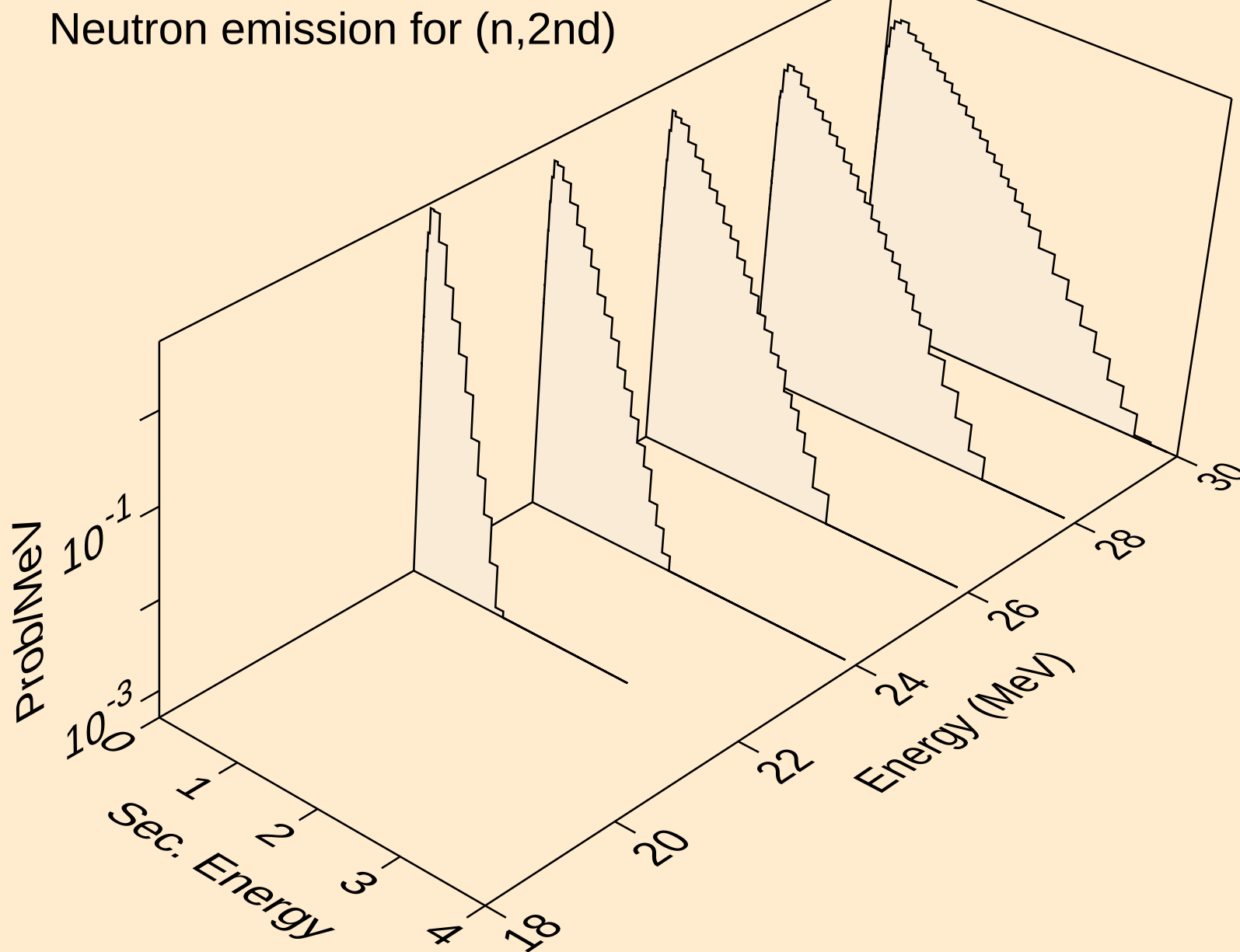
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angular distribution for (n,n\*30)



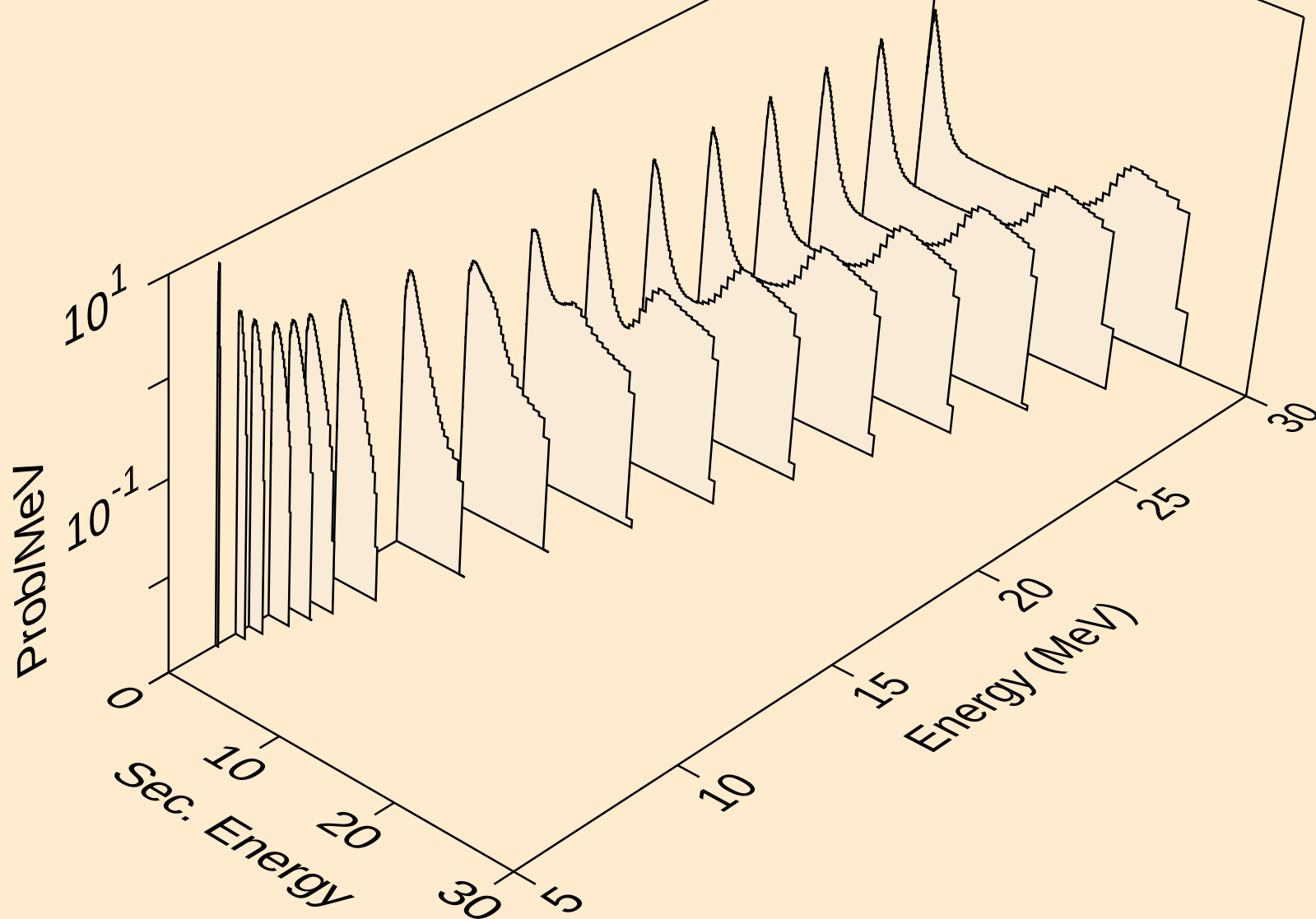
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



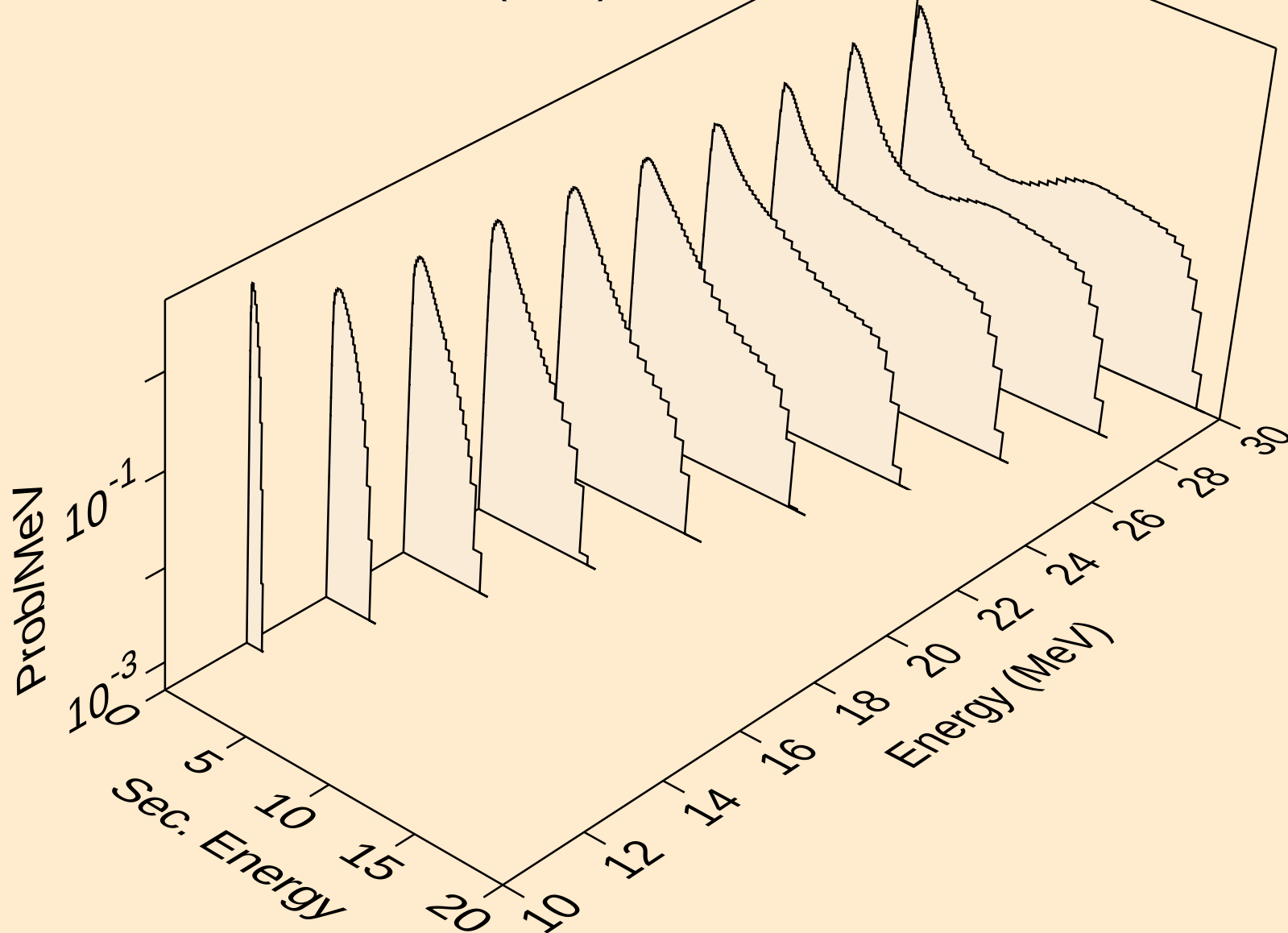
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

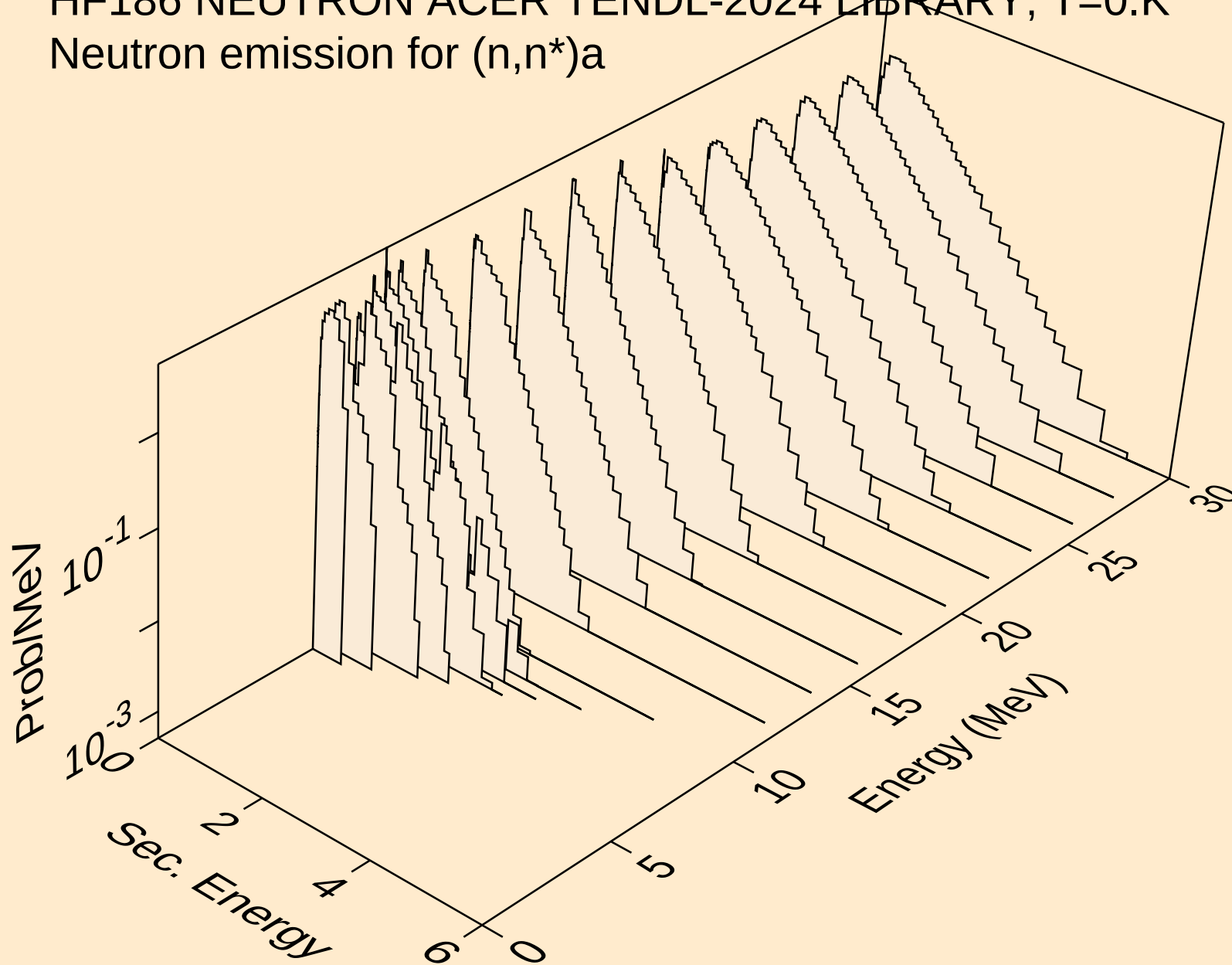


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

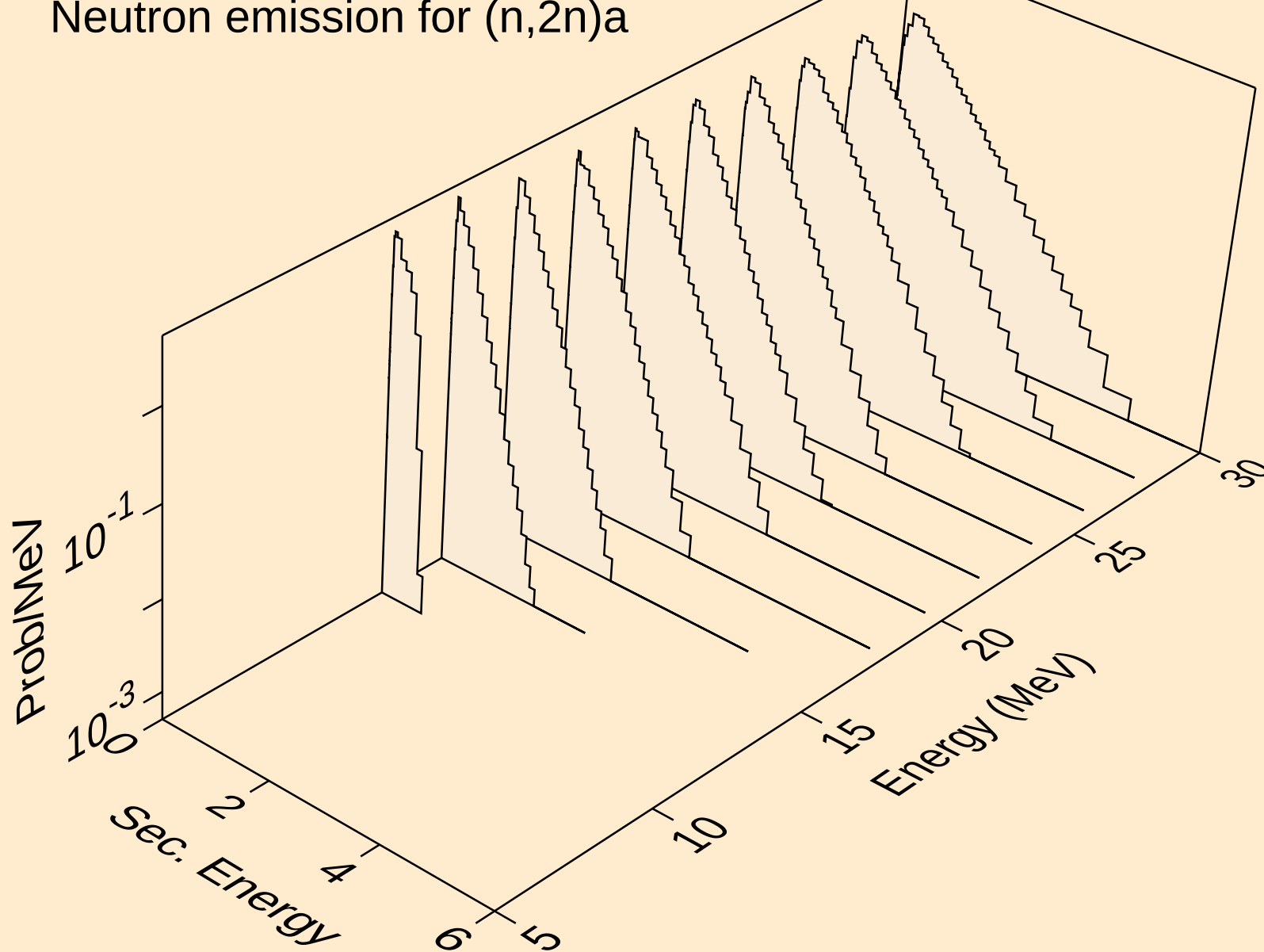


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)a

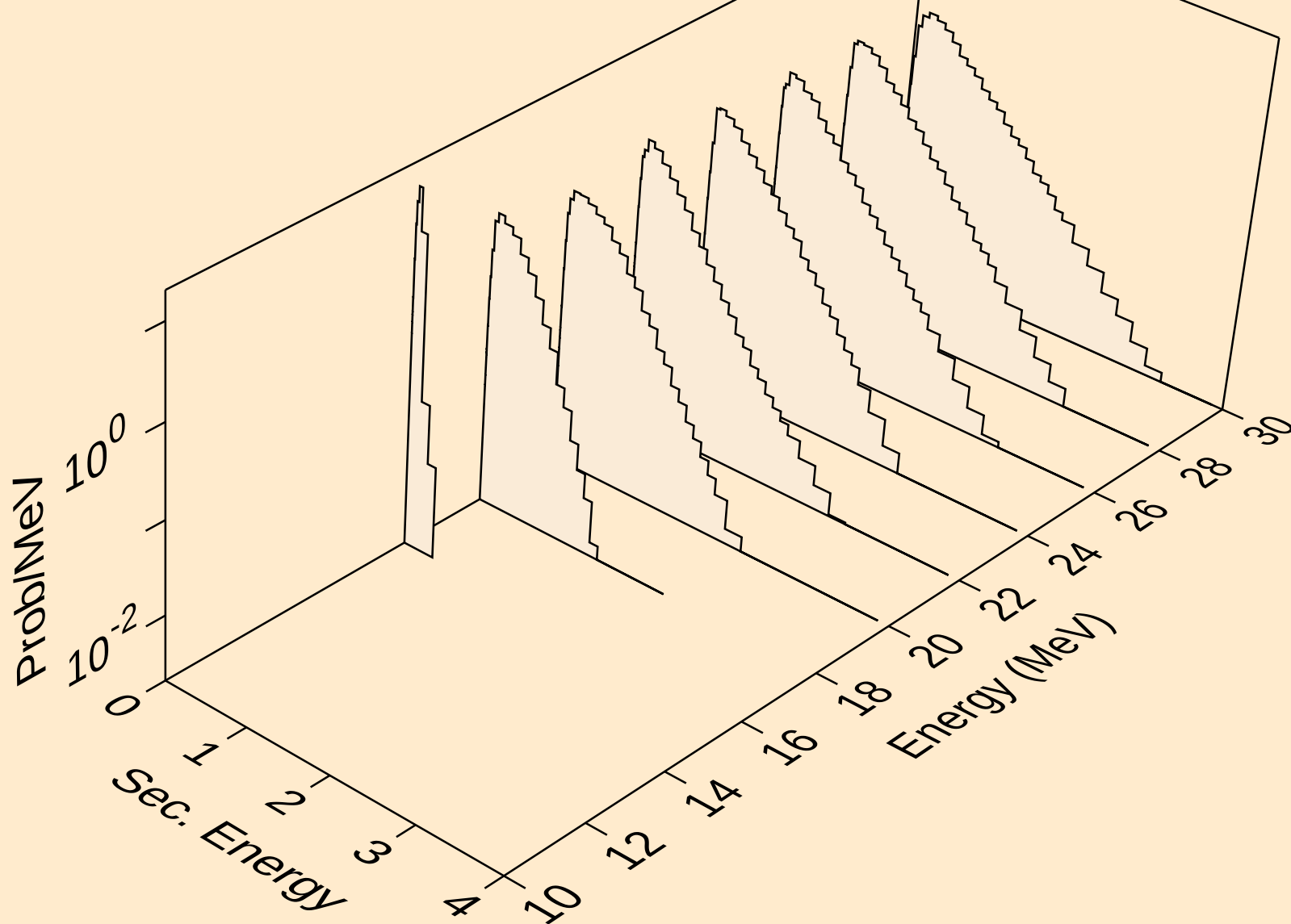


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



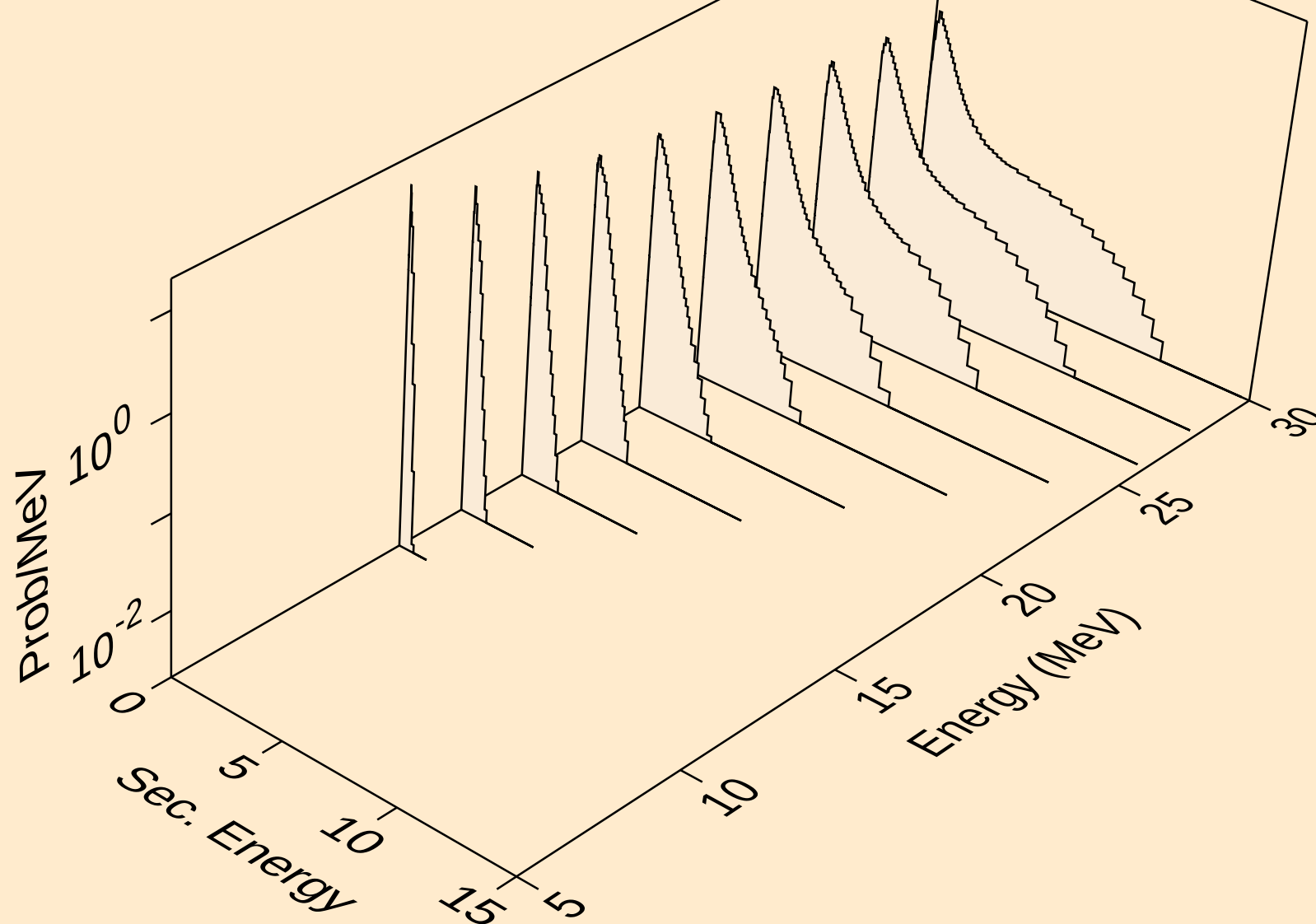
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,3n)a

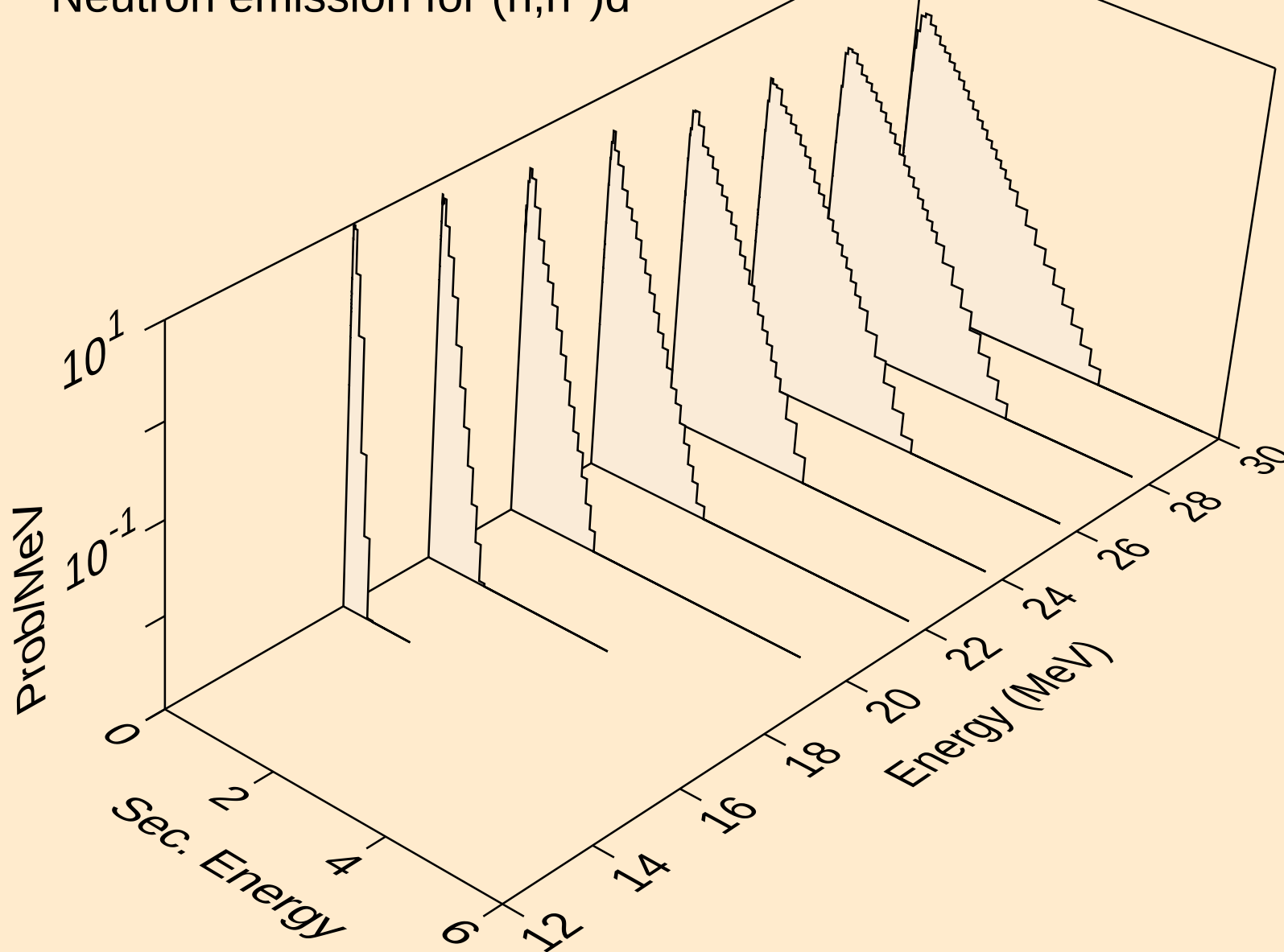


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Neutron emission for (n,n\*)p

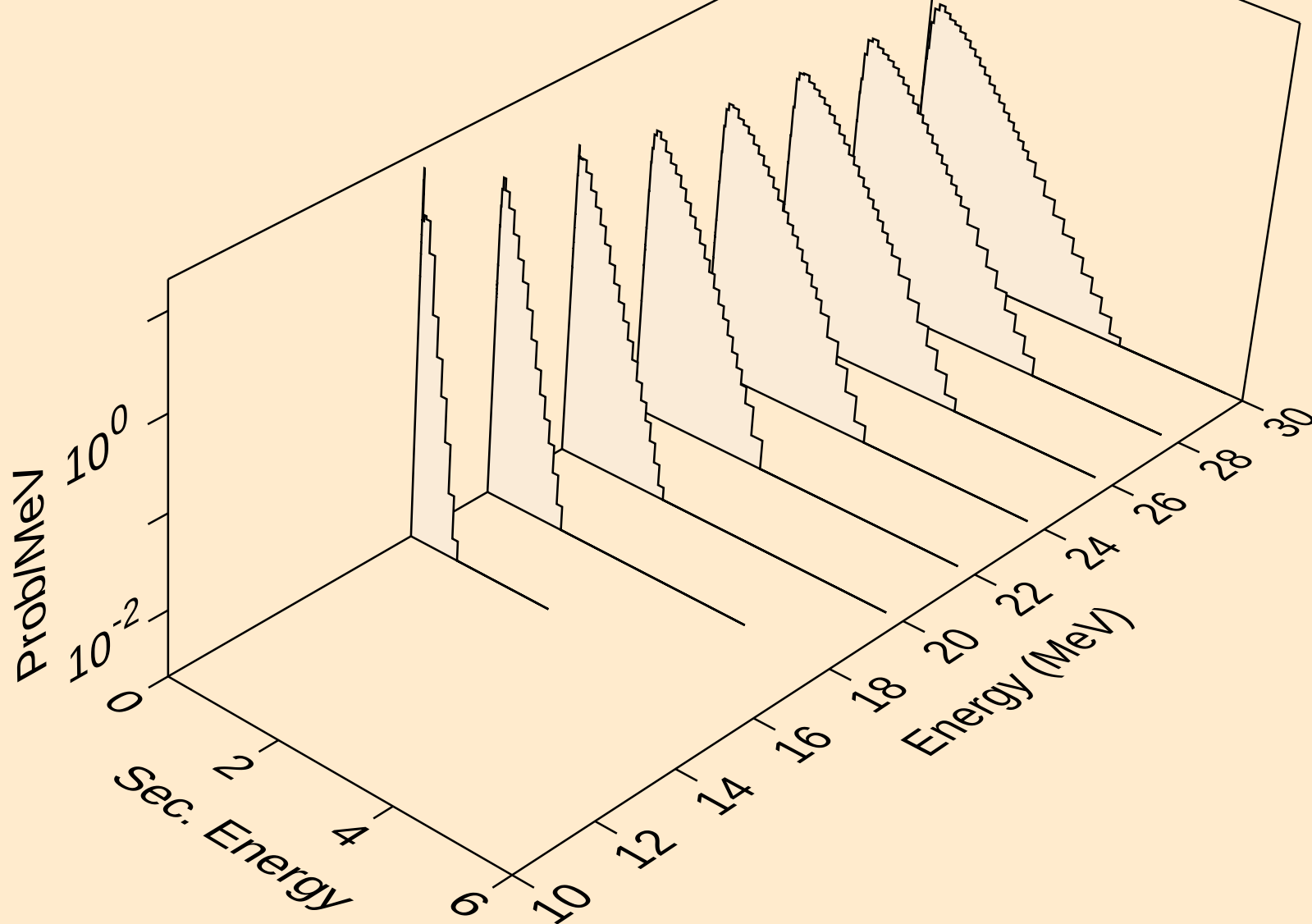


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

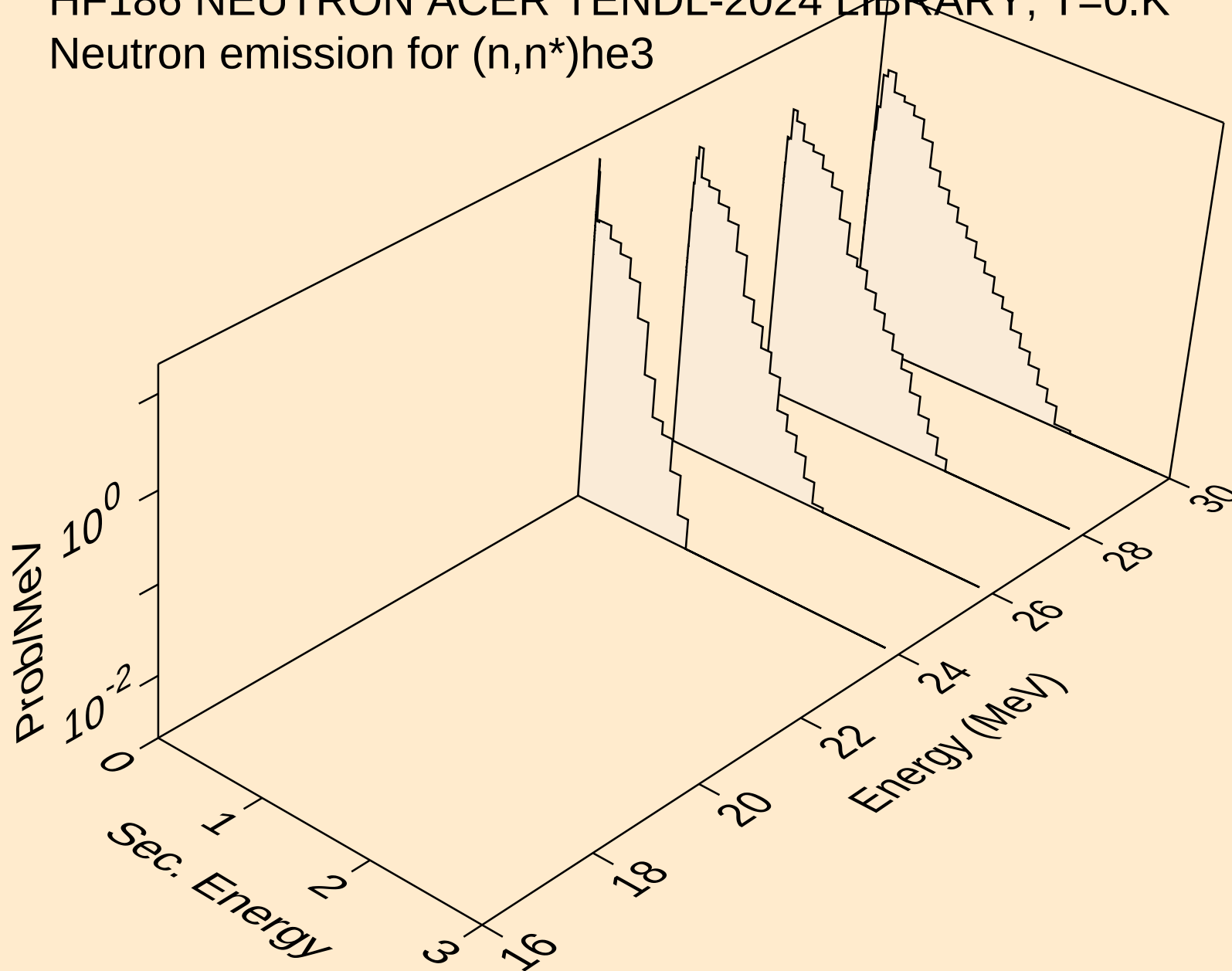


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

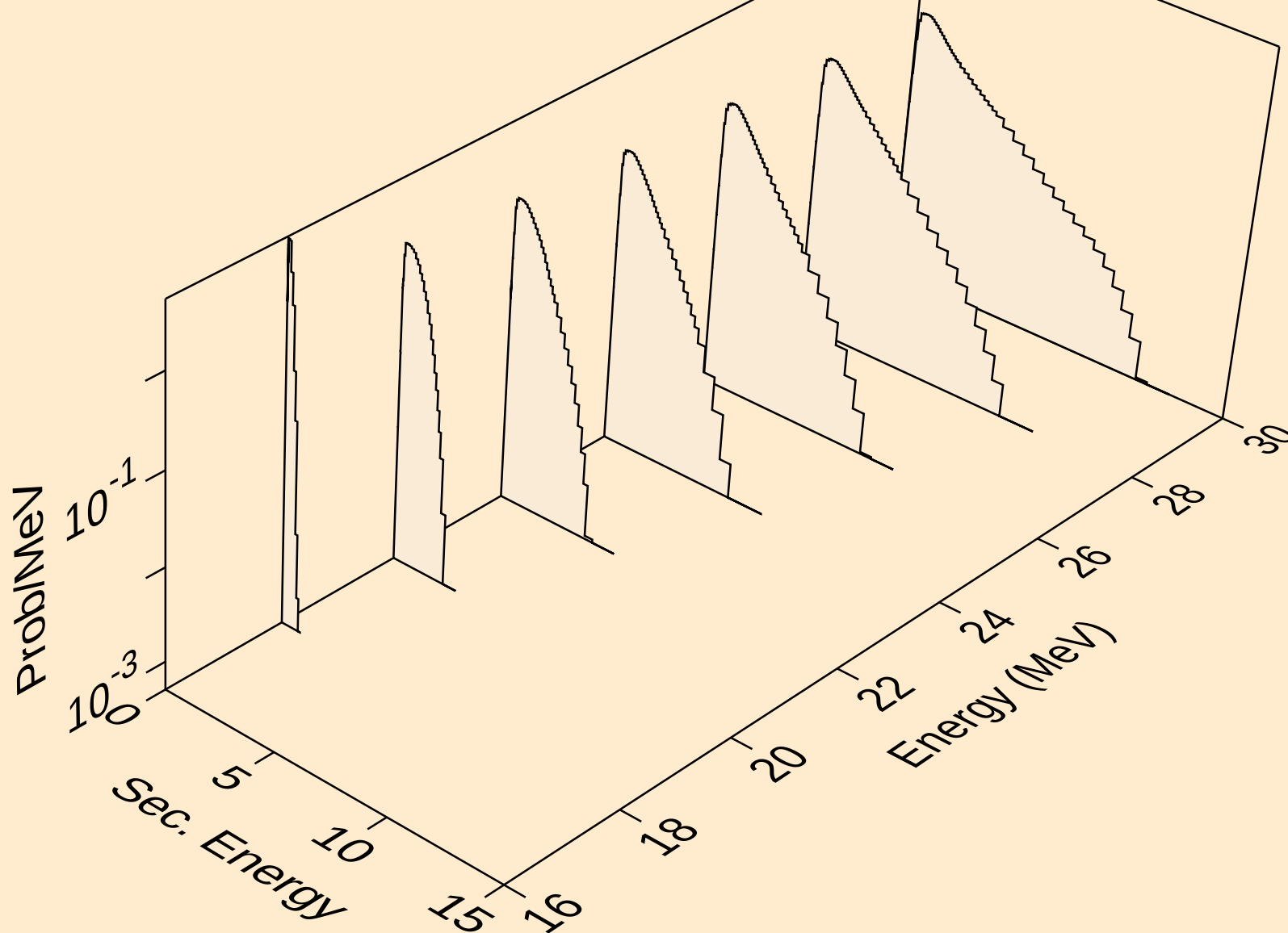
Neutron emission for (n,n\*)t



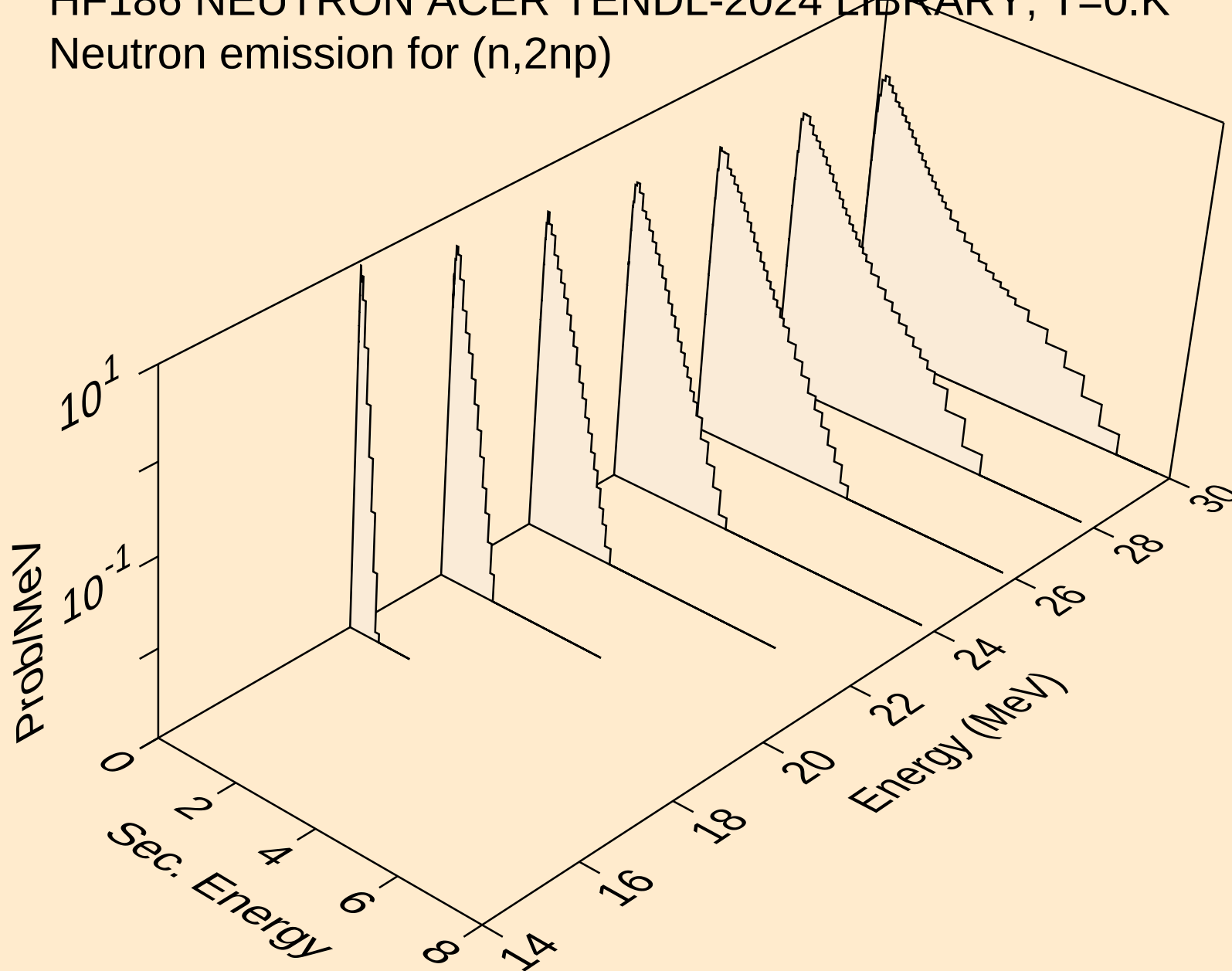
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



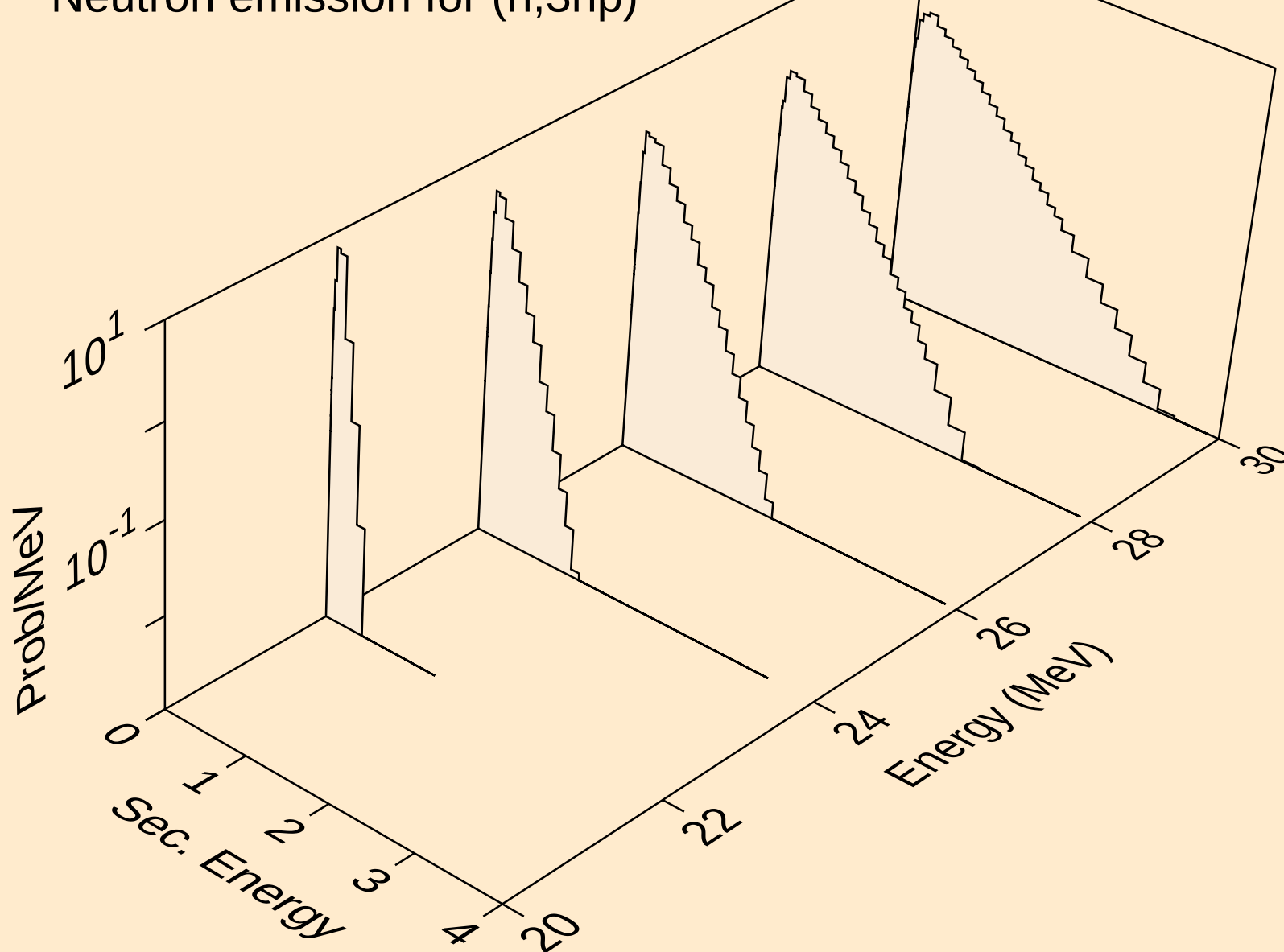
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



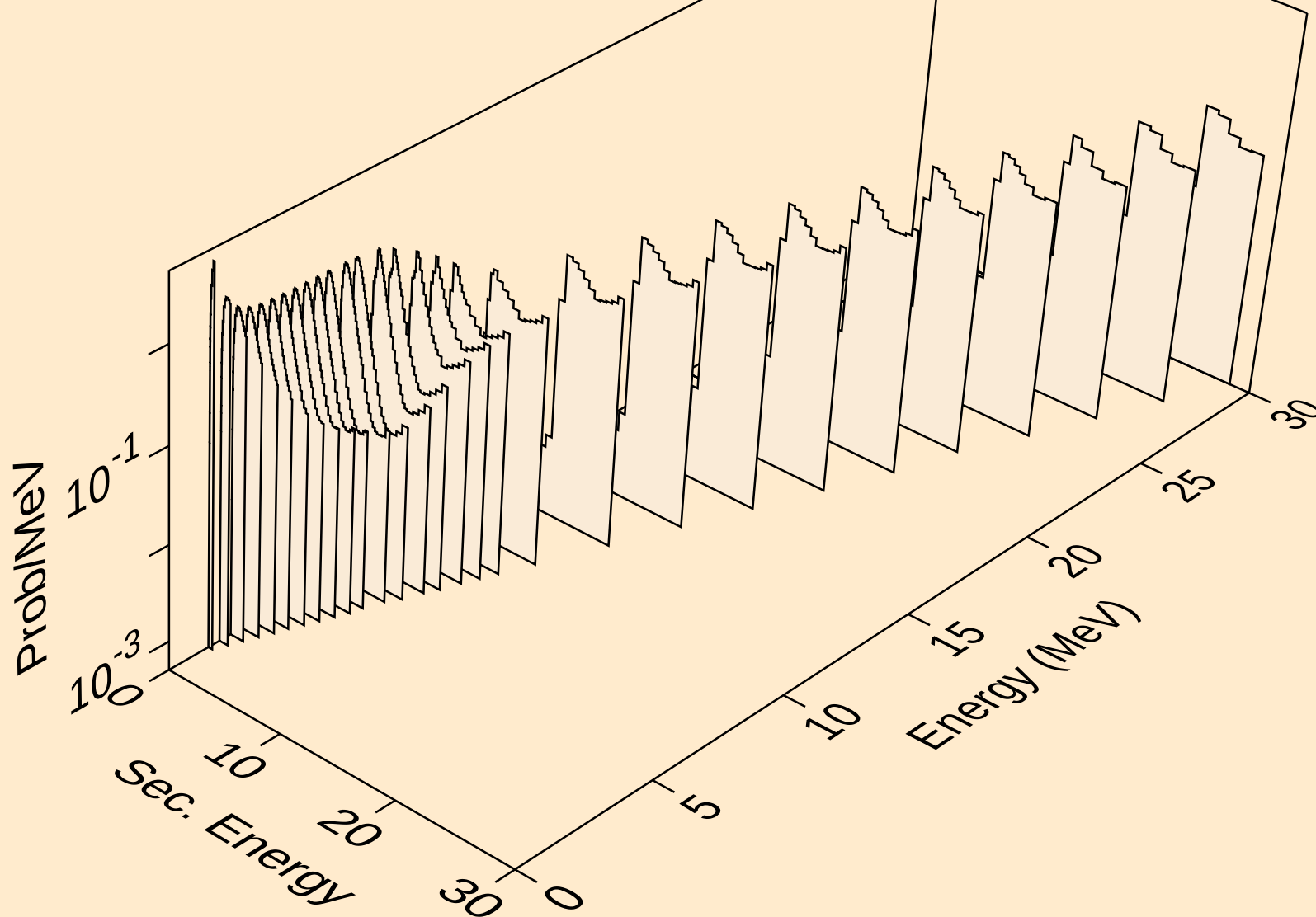
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



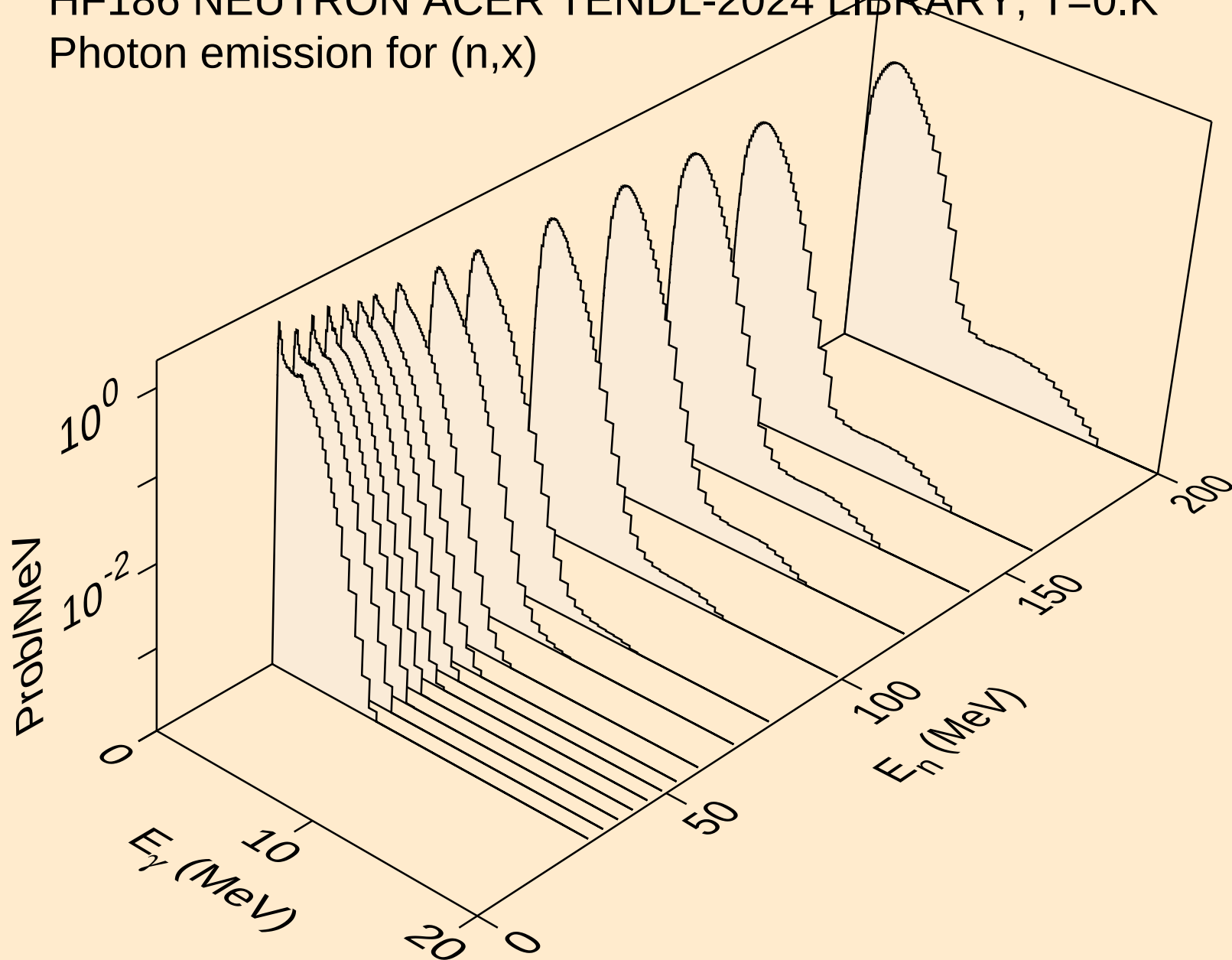
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



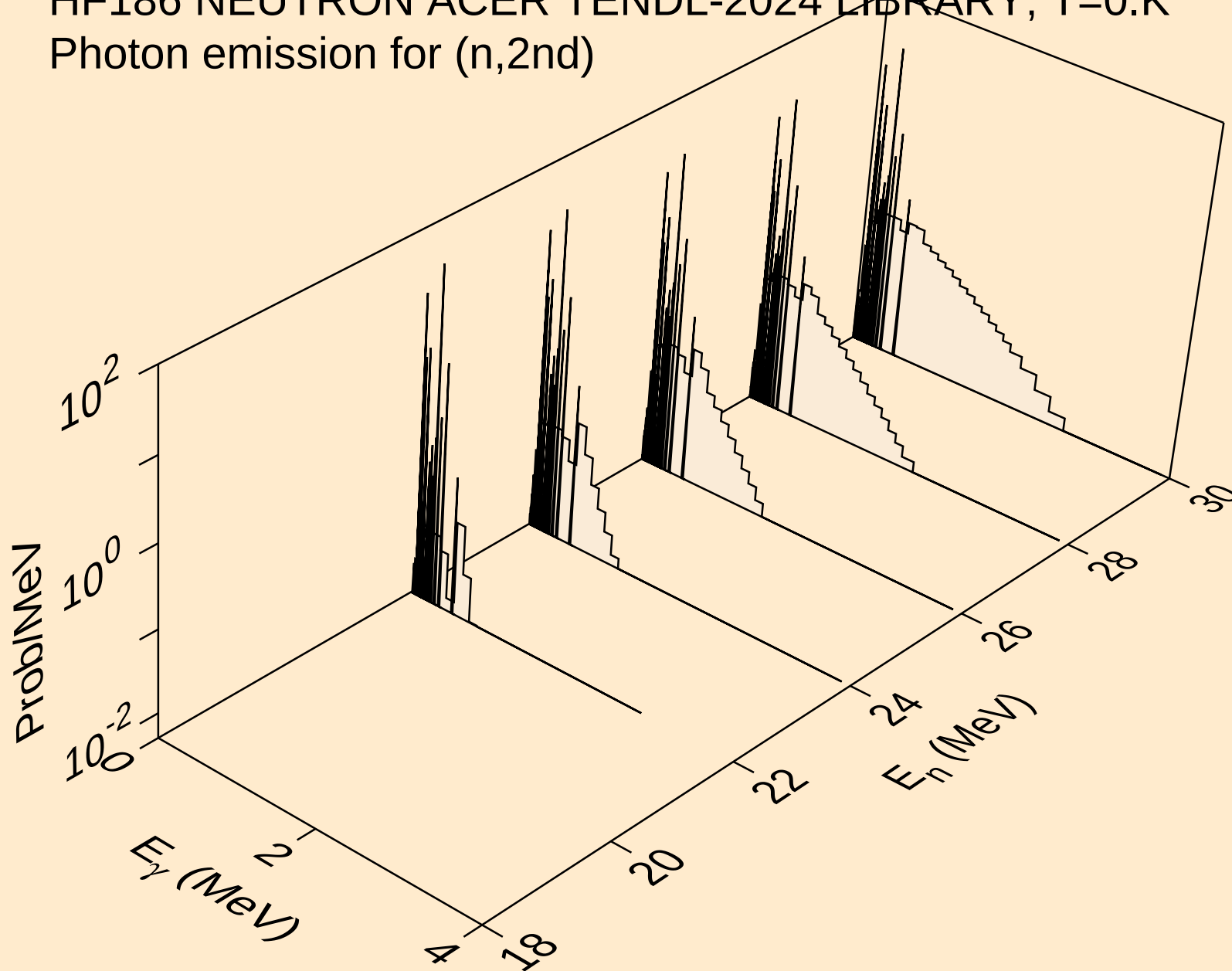
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



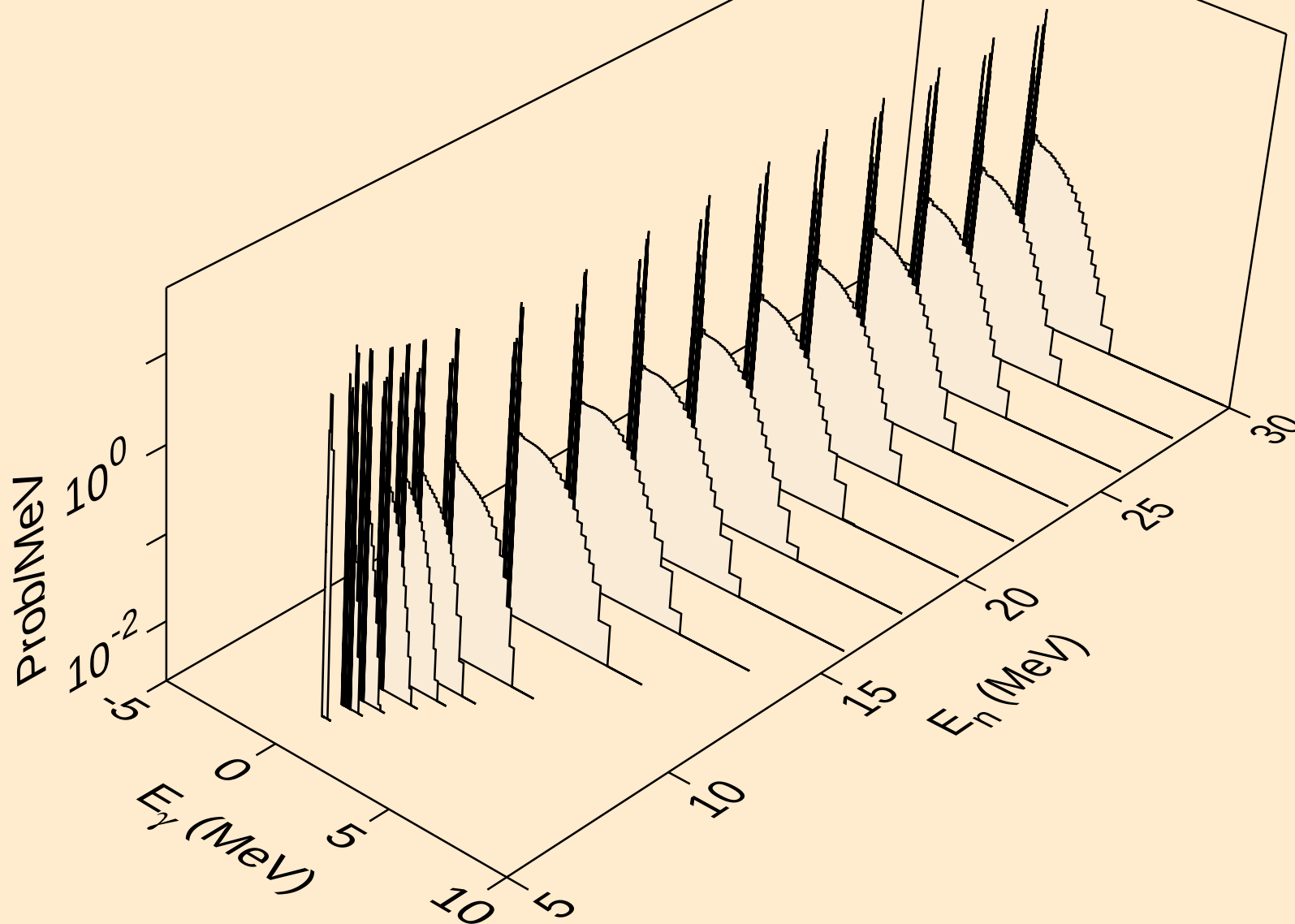
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



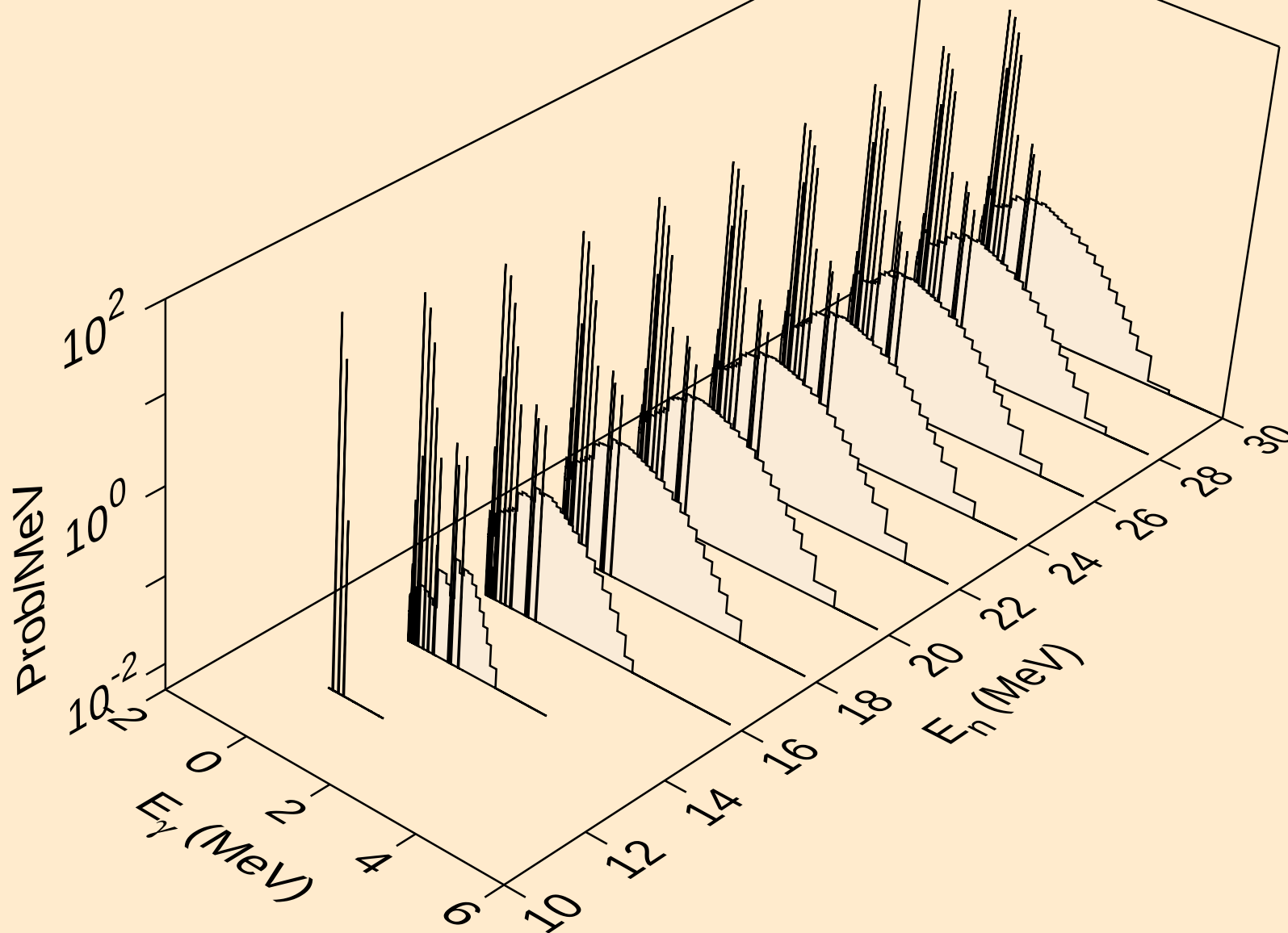
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

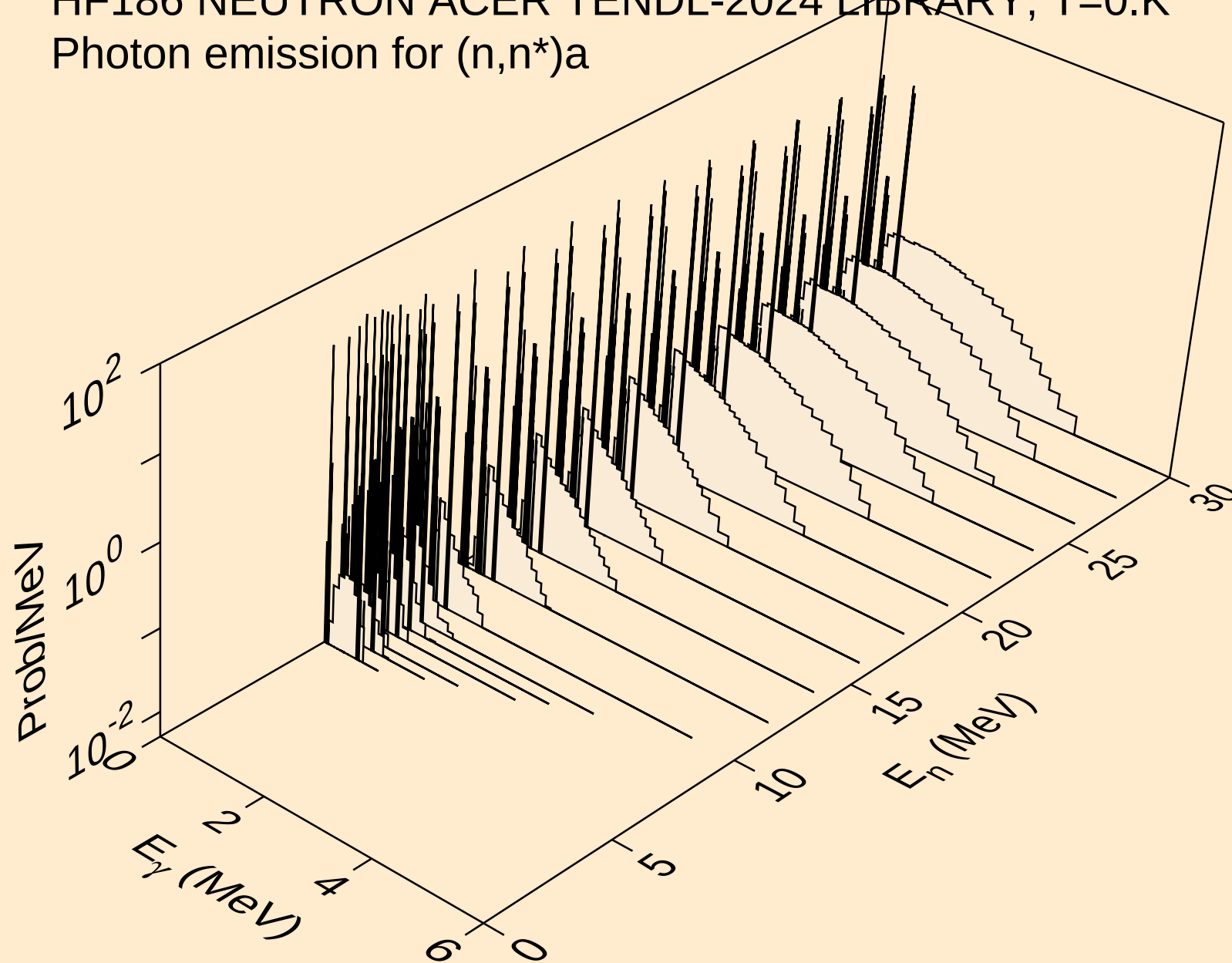


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



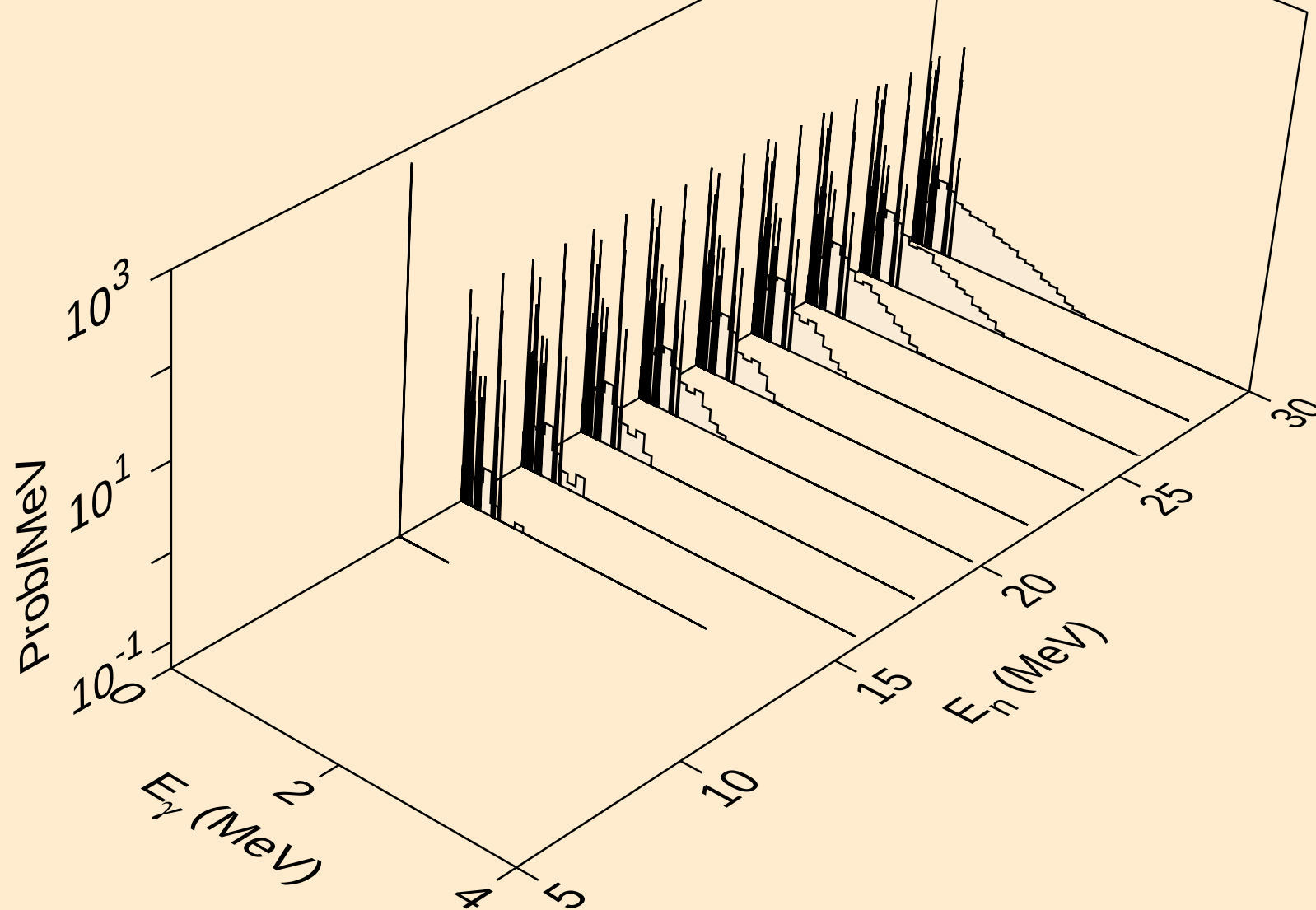
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



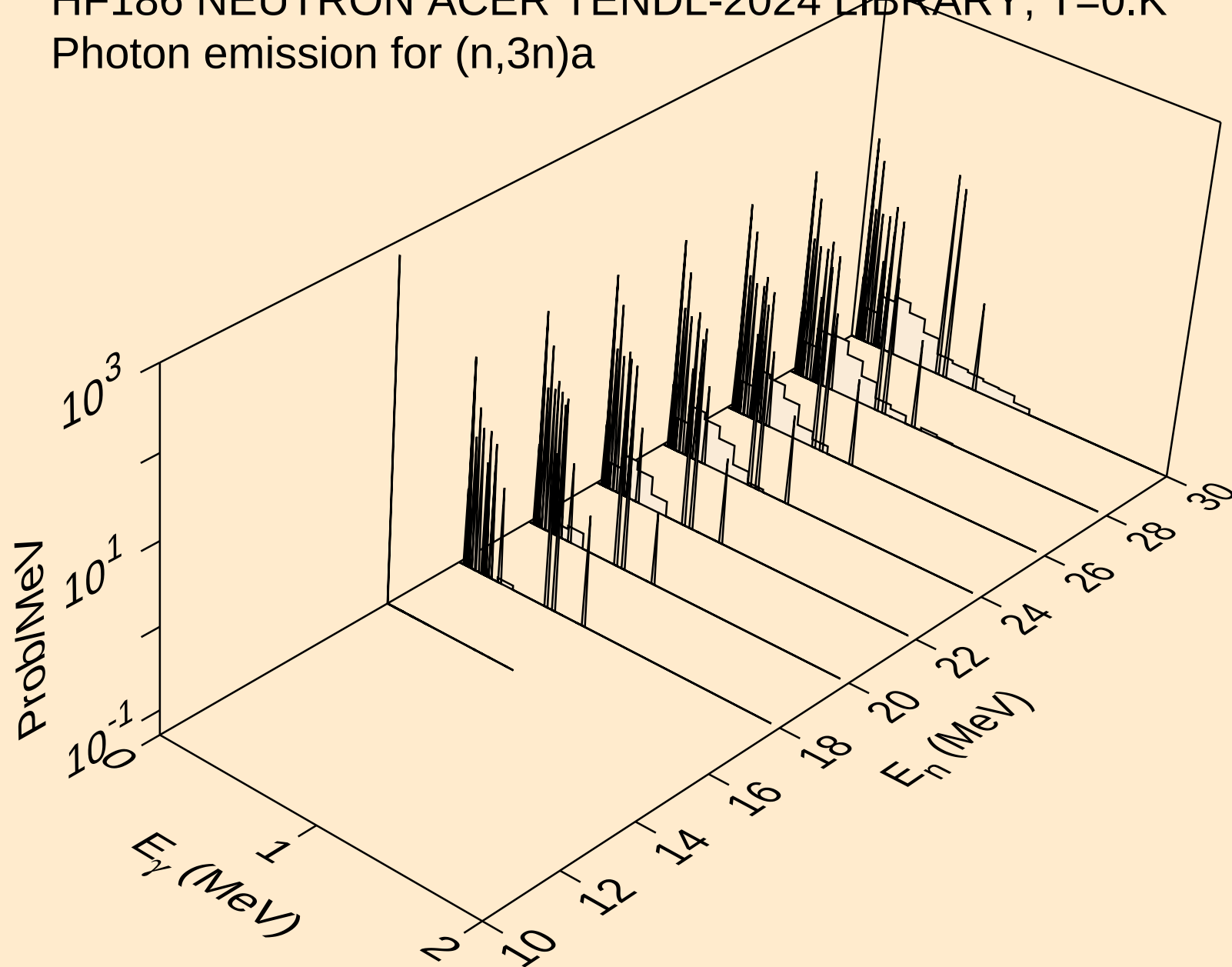
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

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



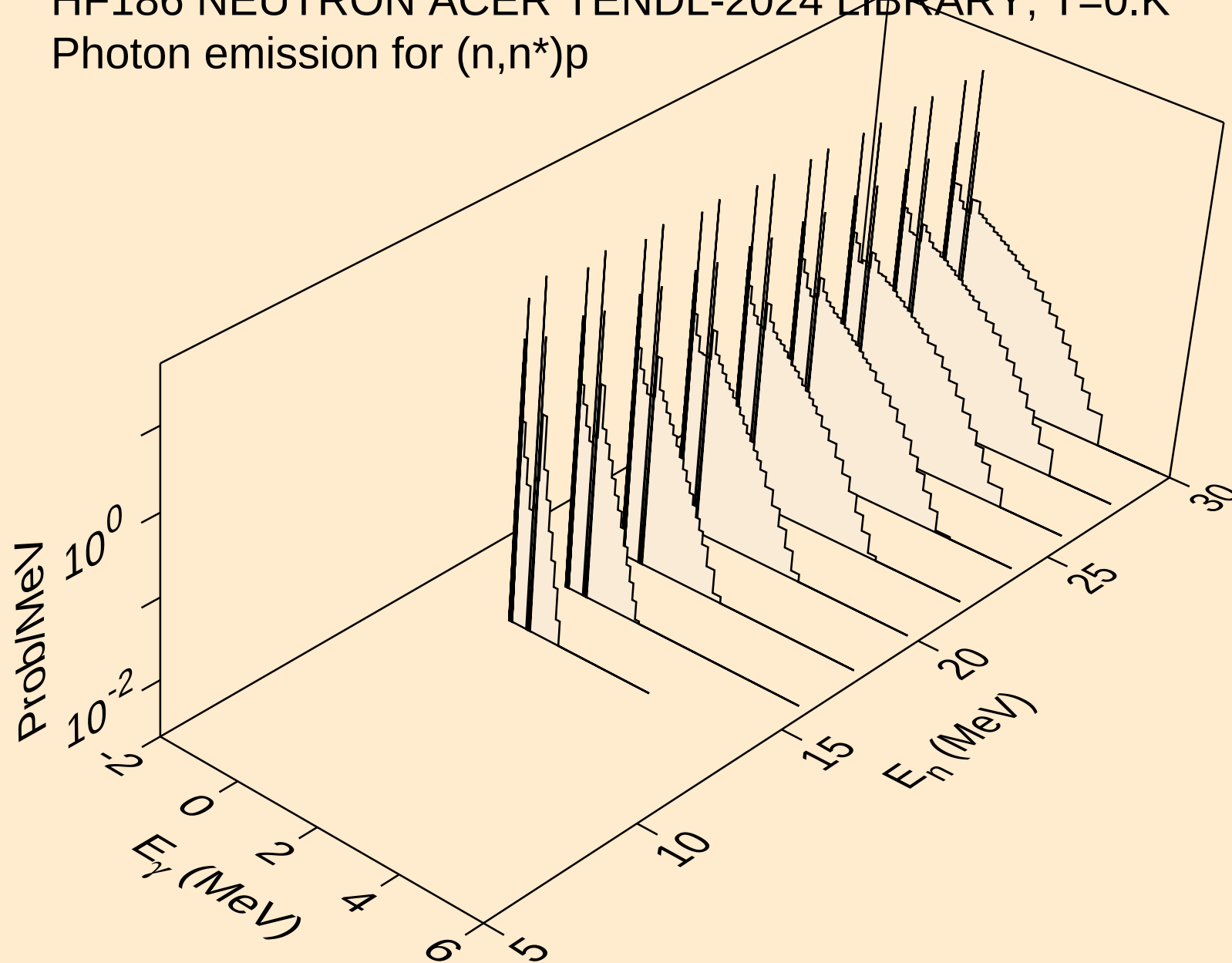
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Photon emission for (n,3n) $\alpha$



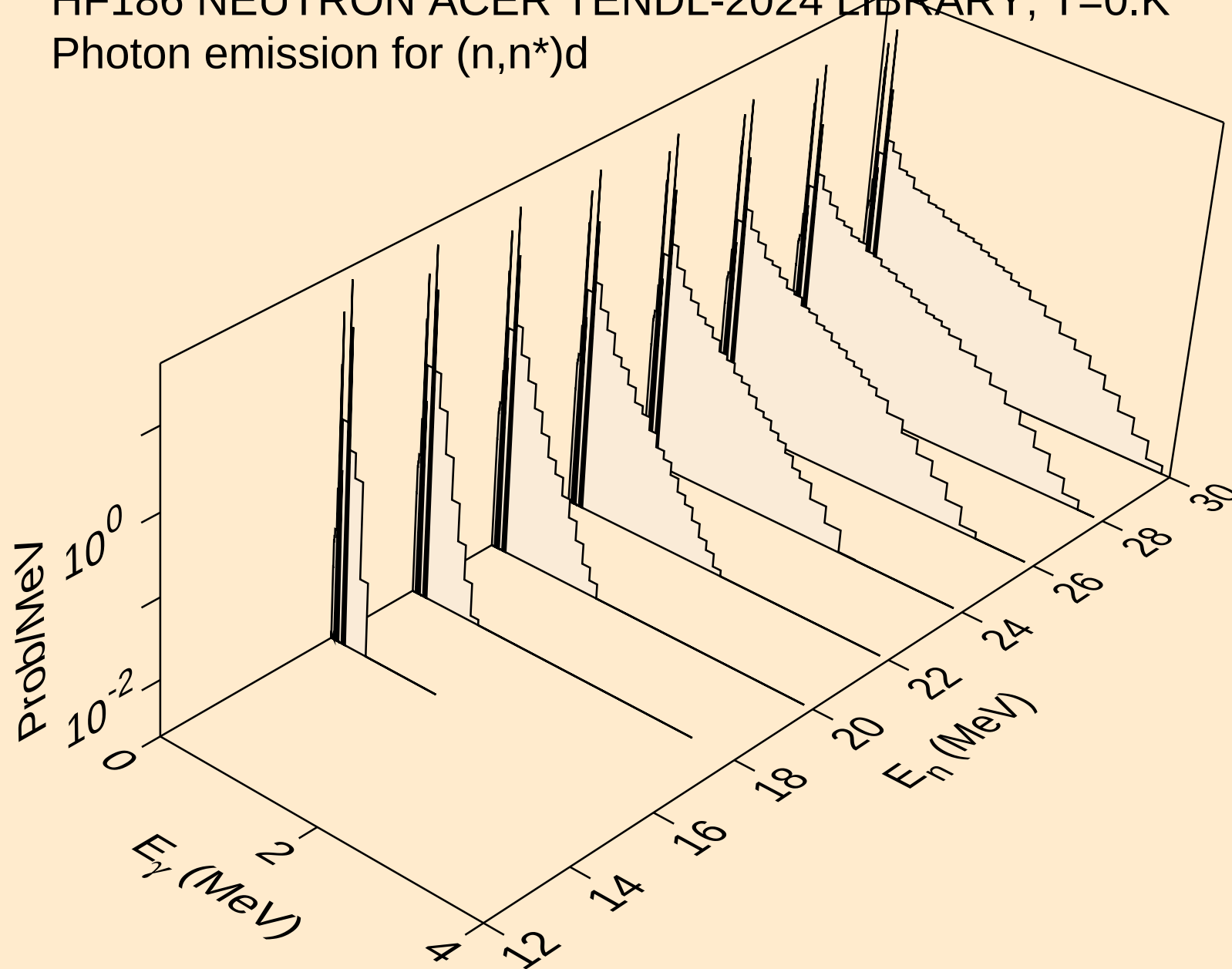
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



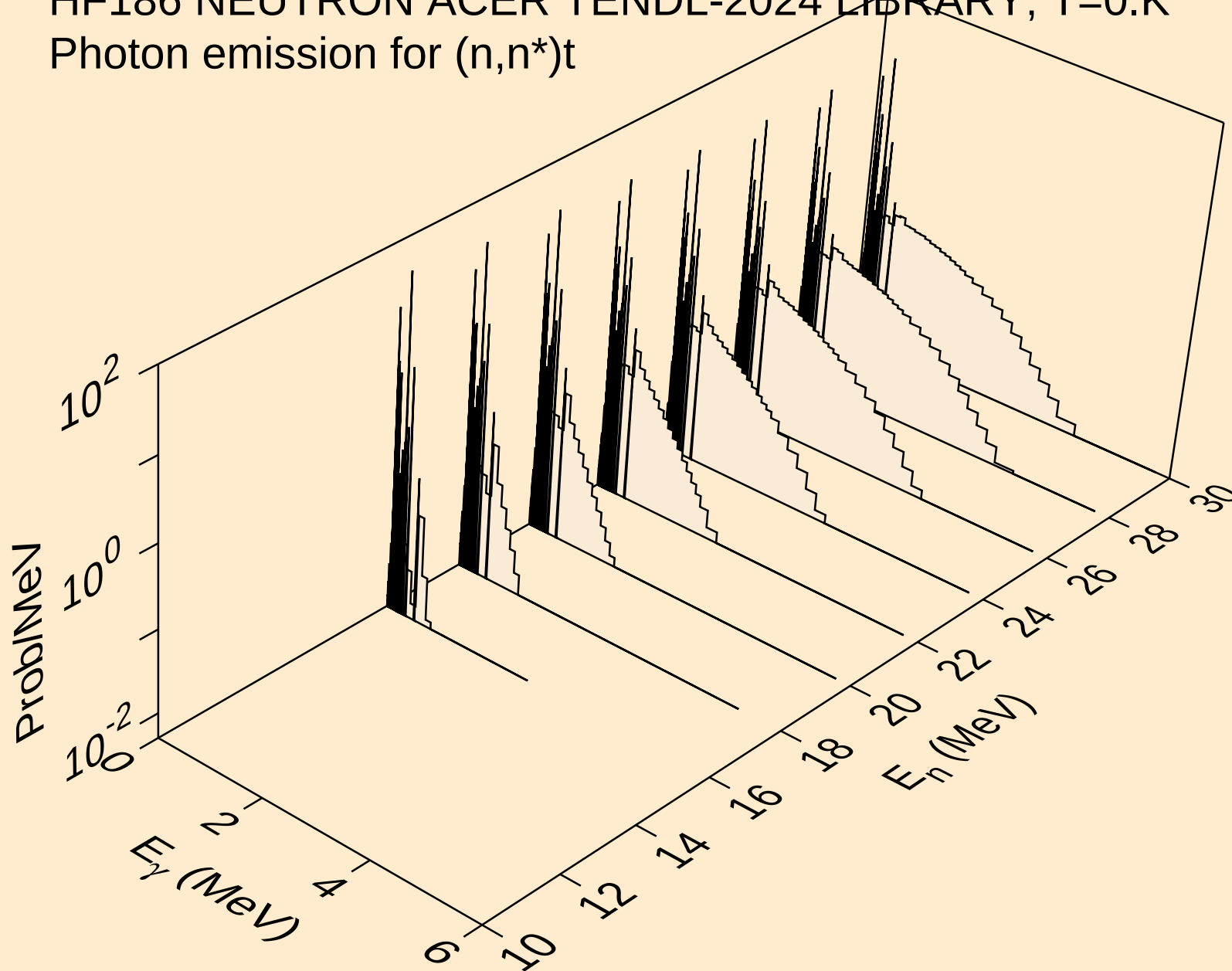
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



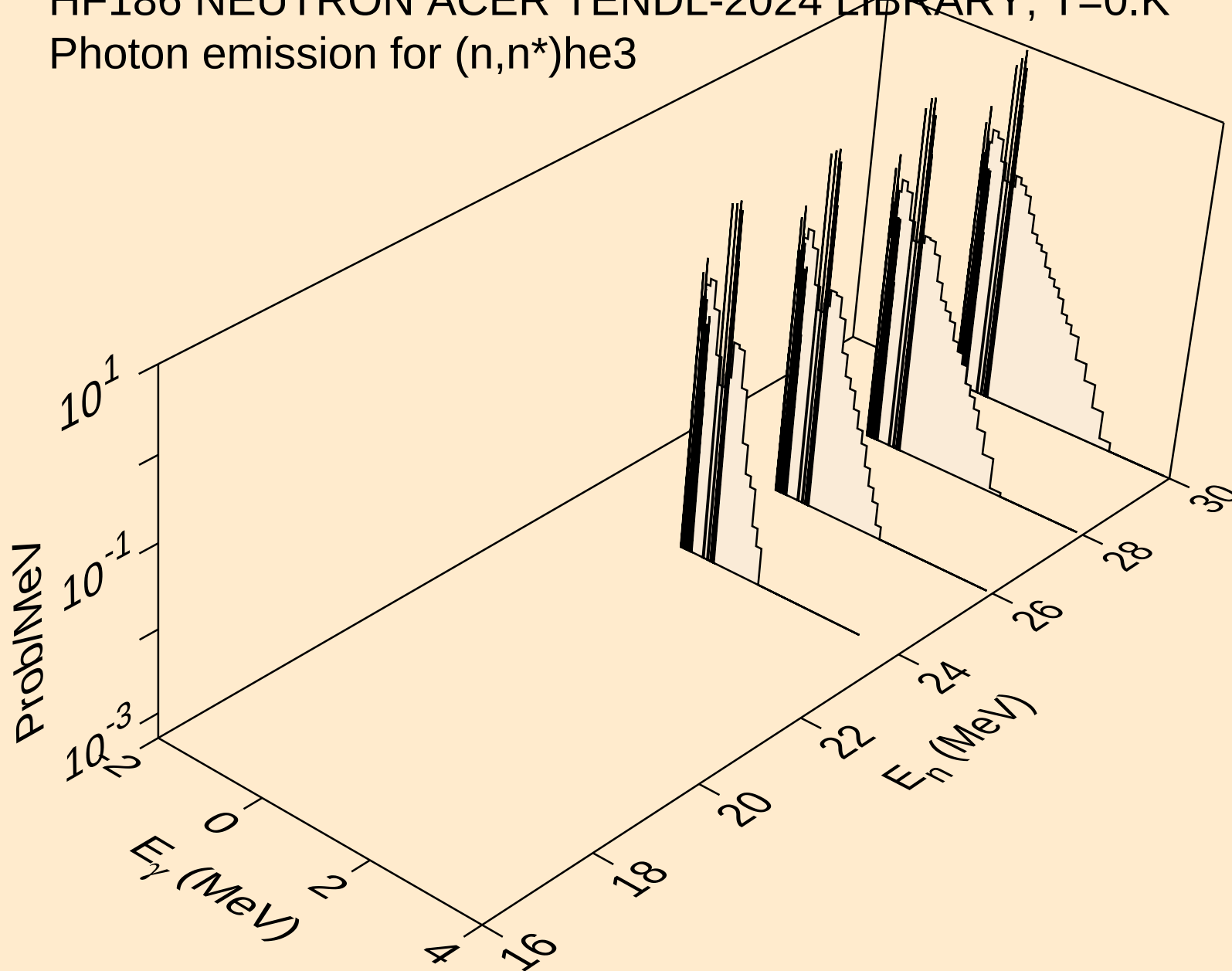
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

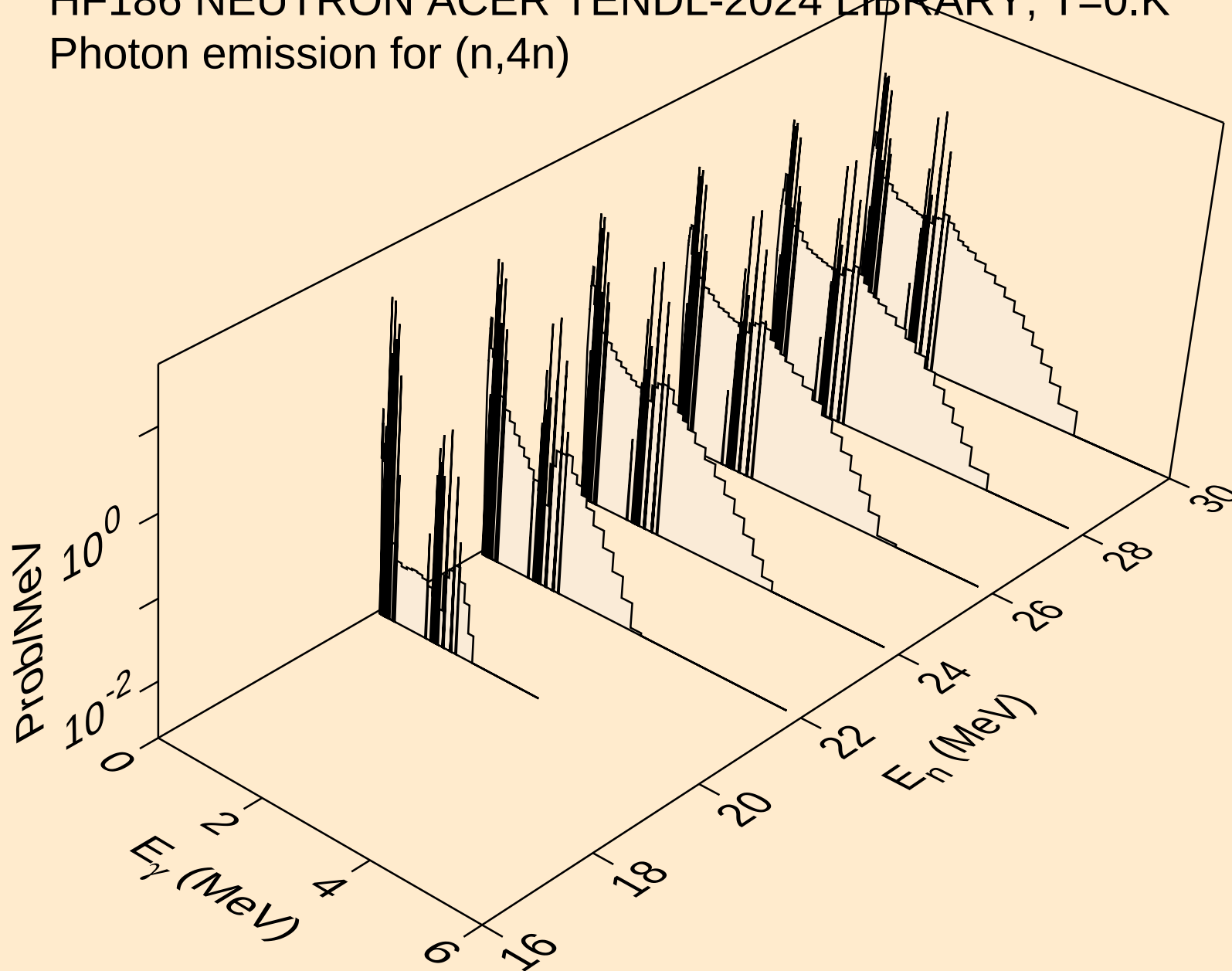


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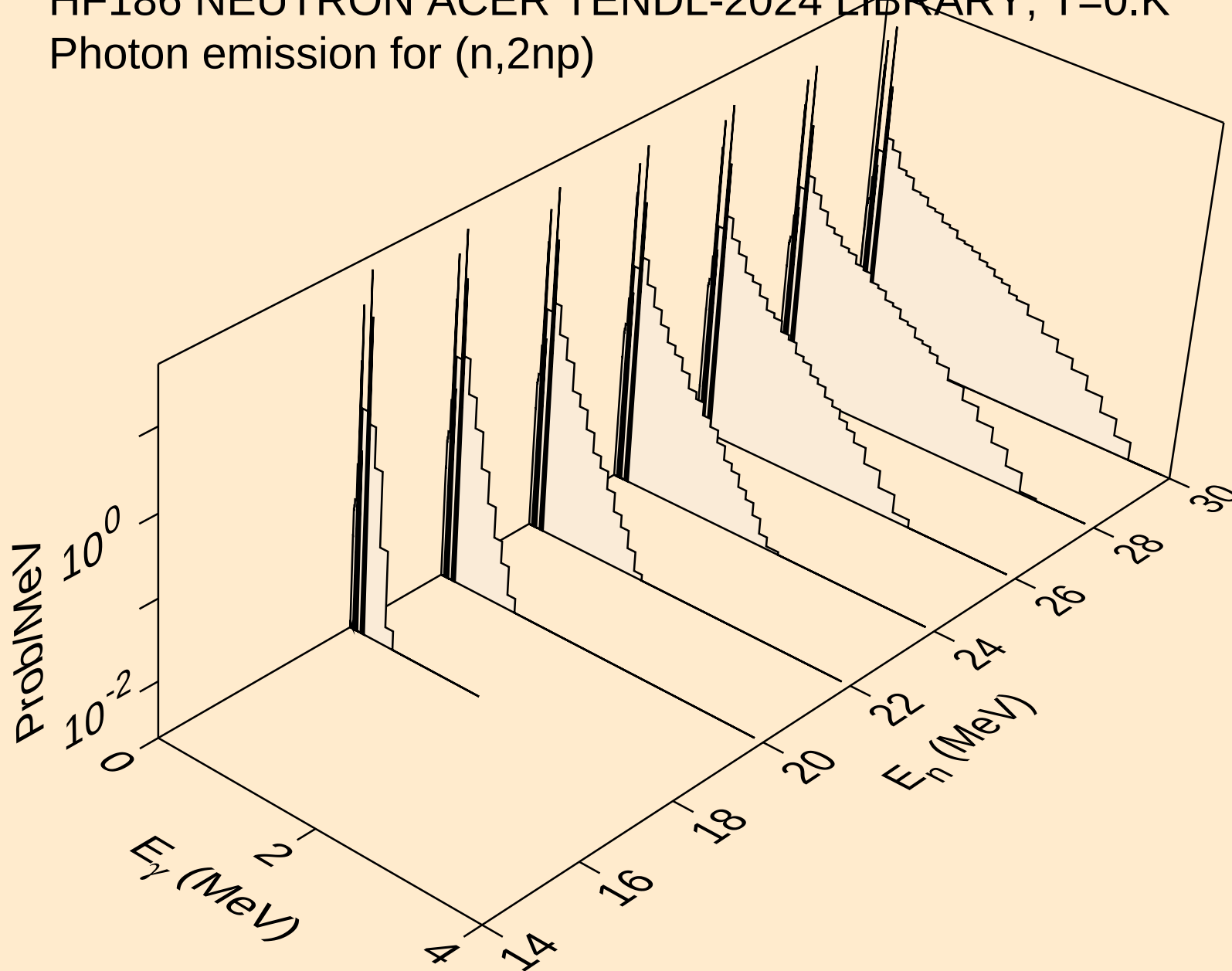
Photon emission for (n,n\*)he3



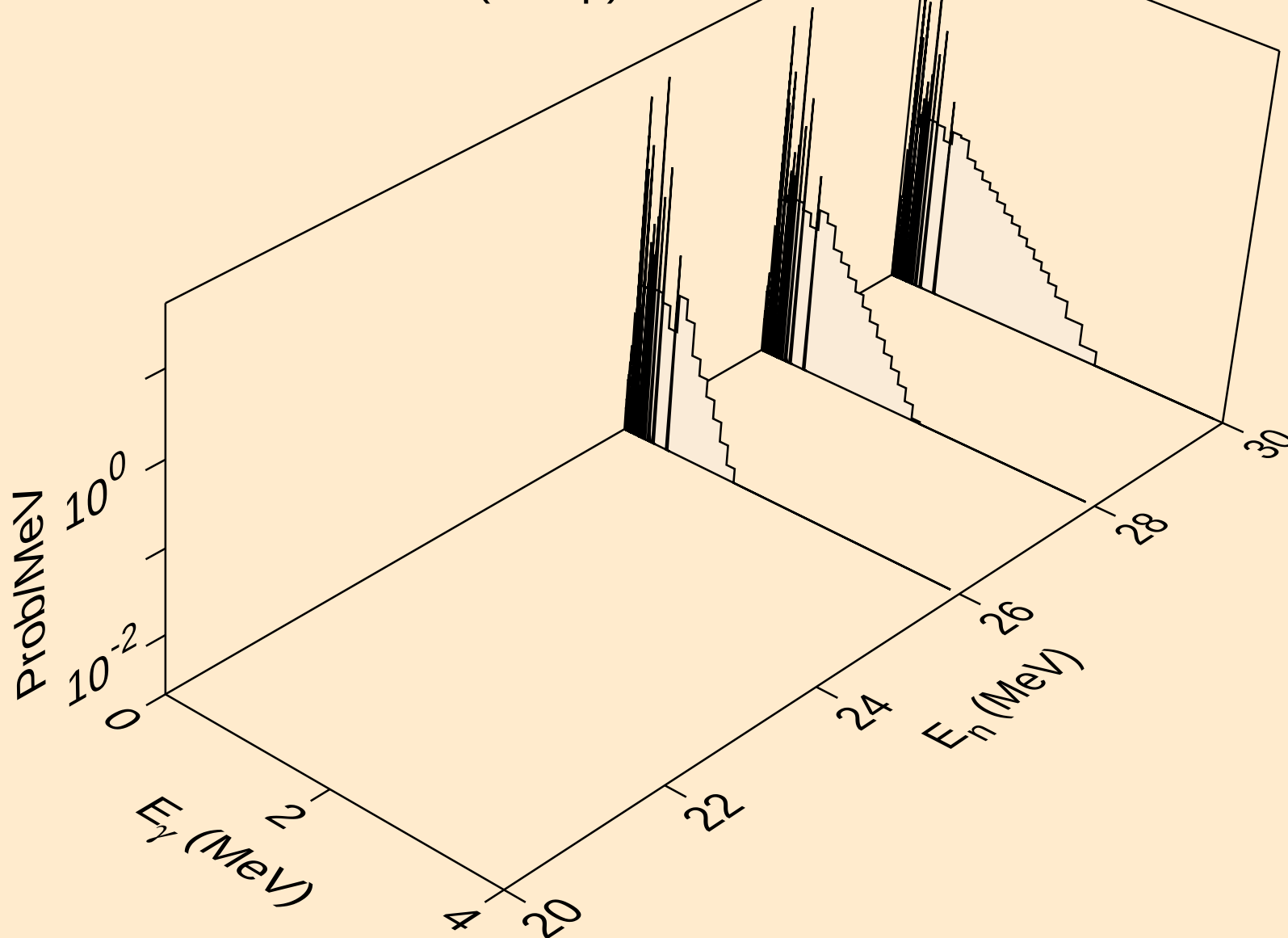
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



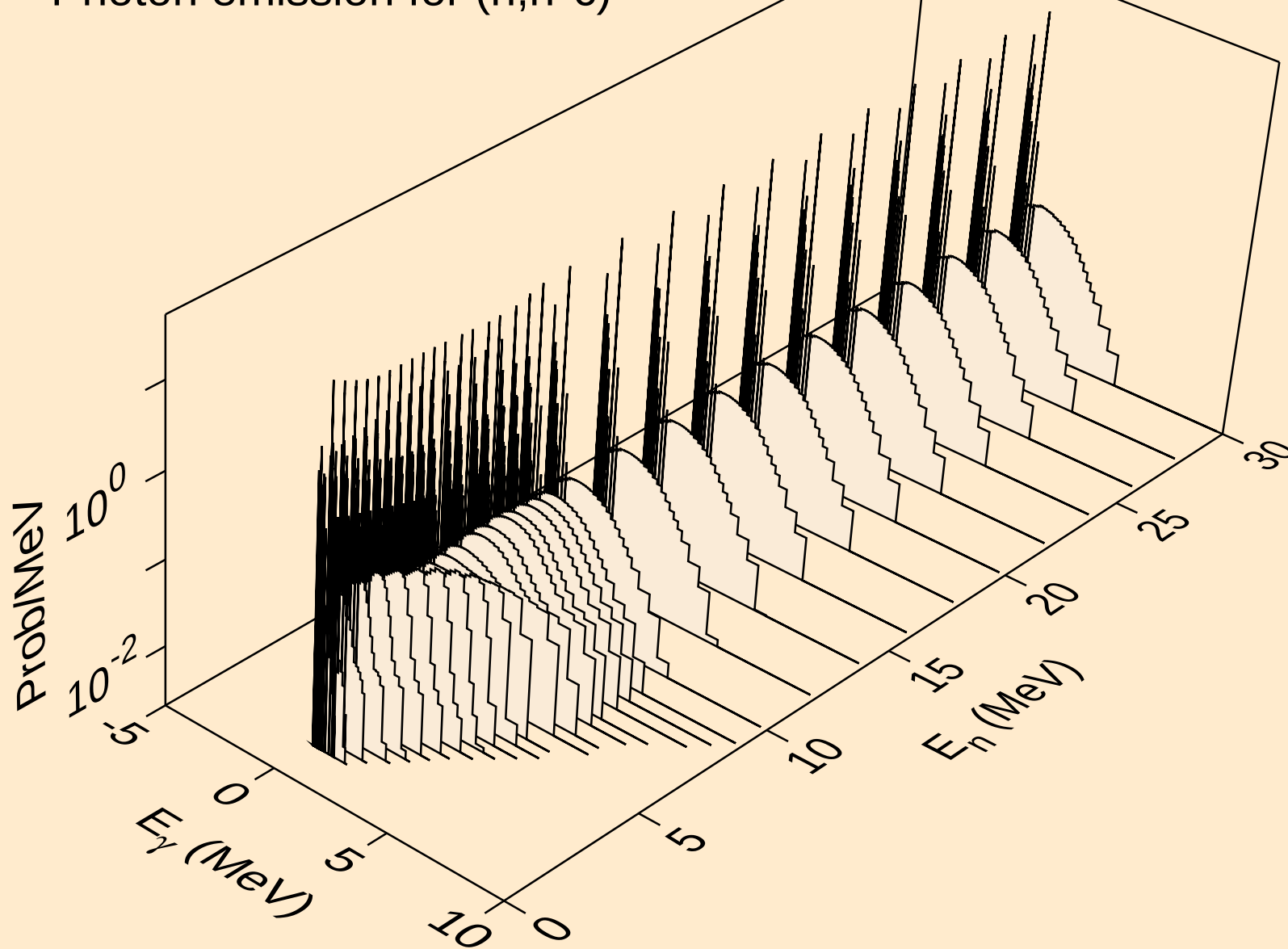
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



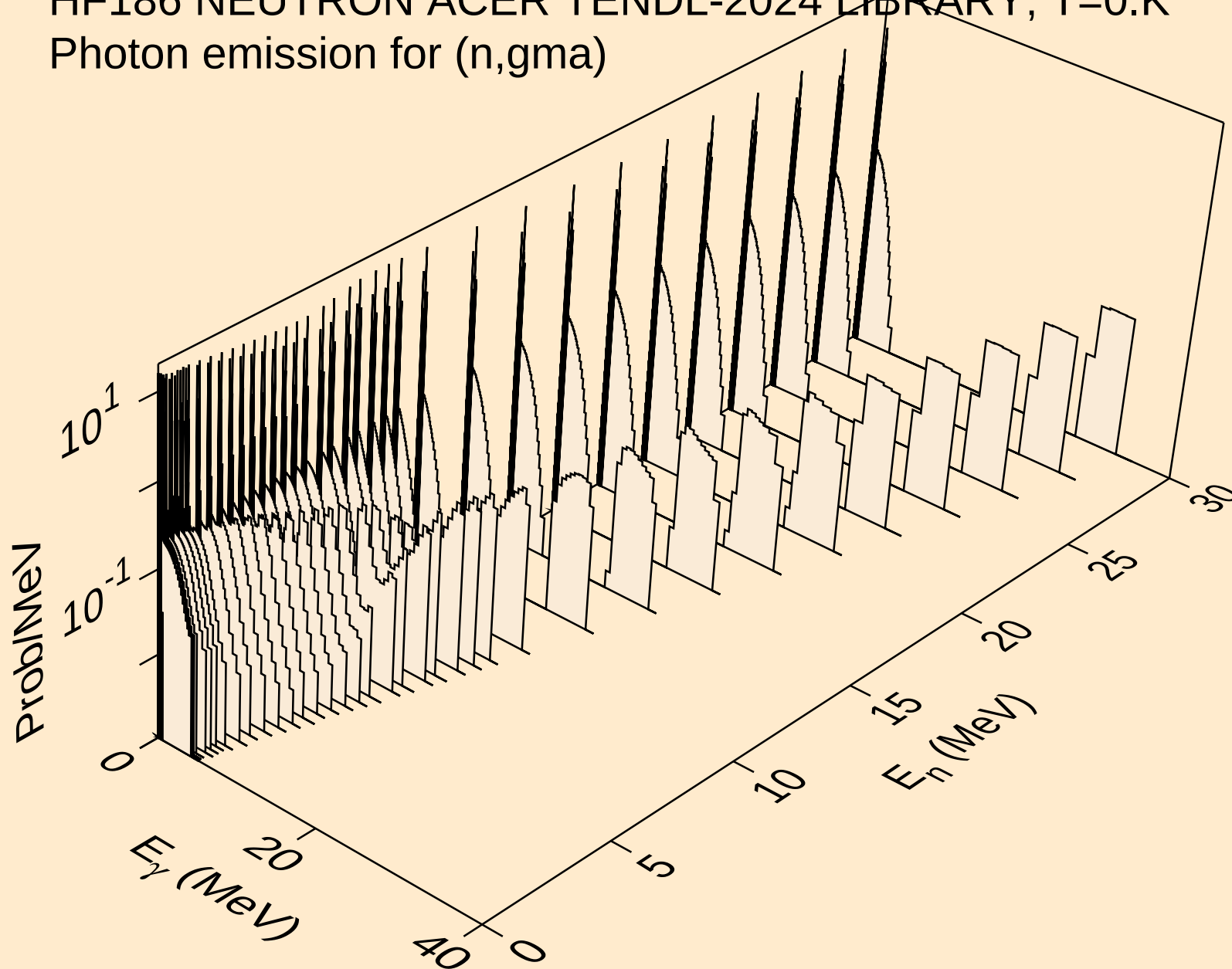
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Photon emission for (n,3np)



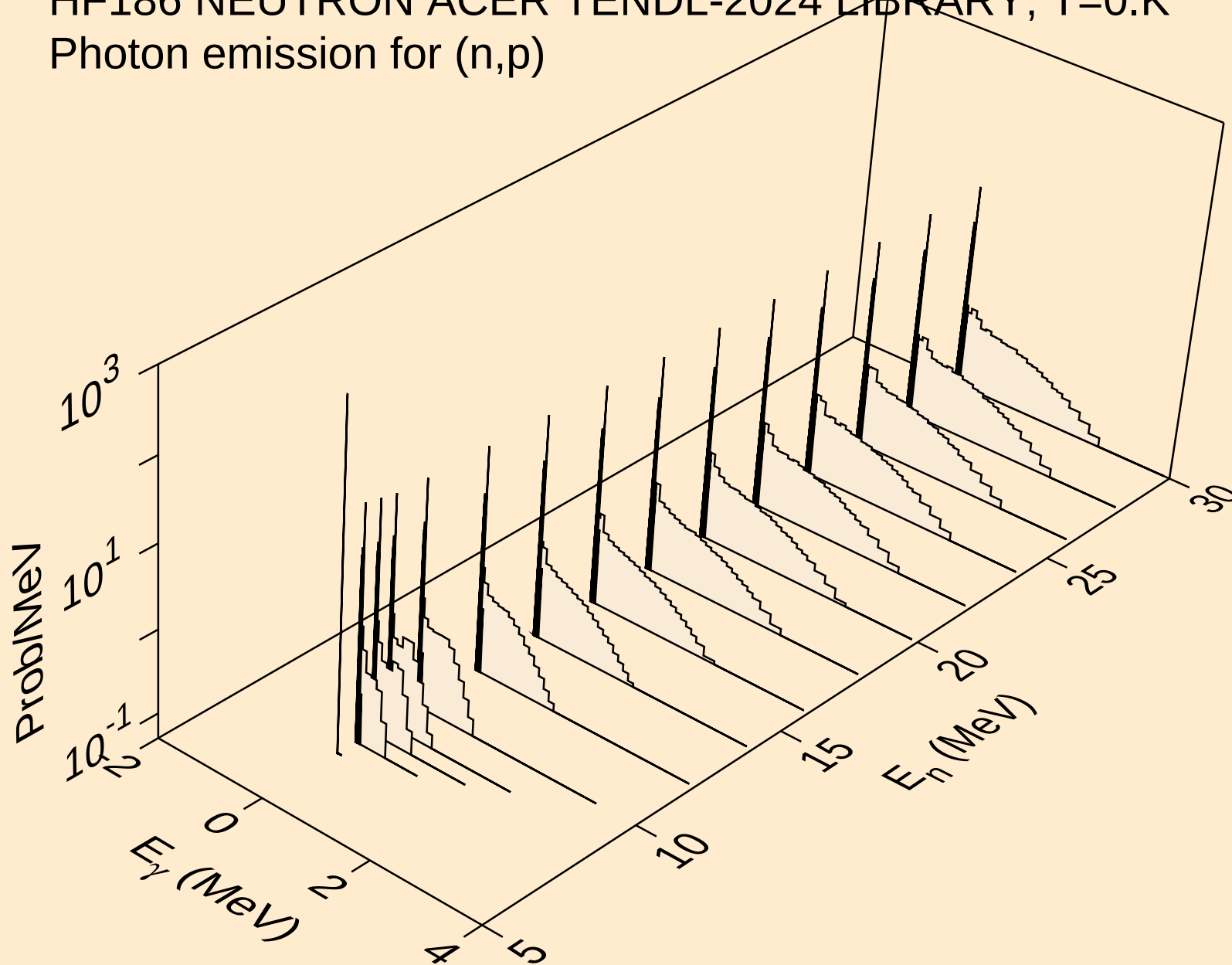
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



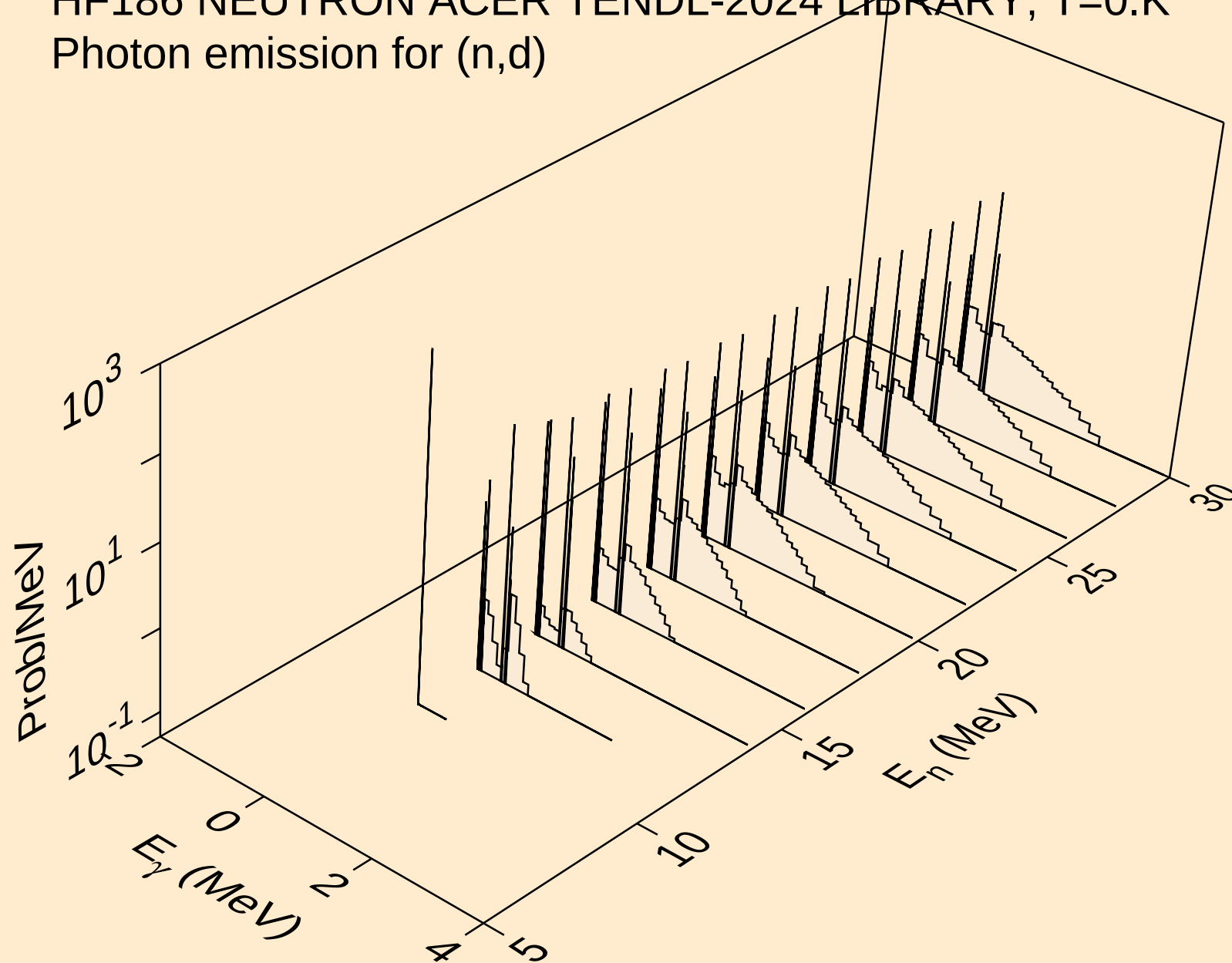
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



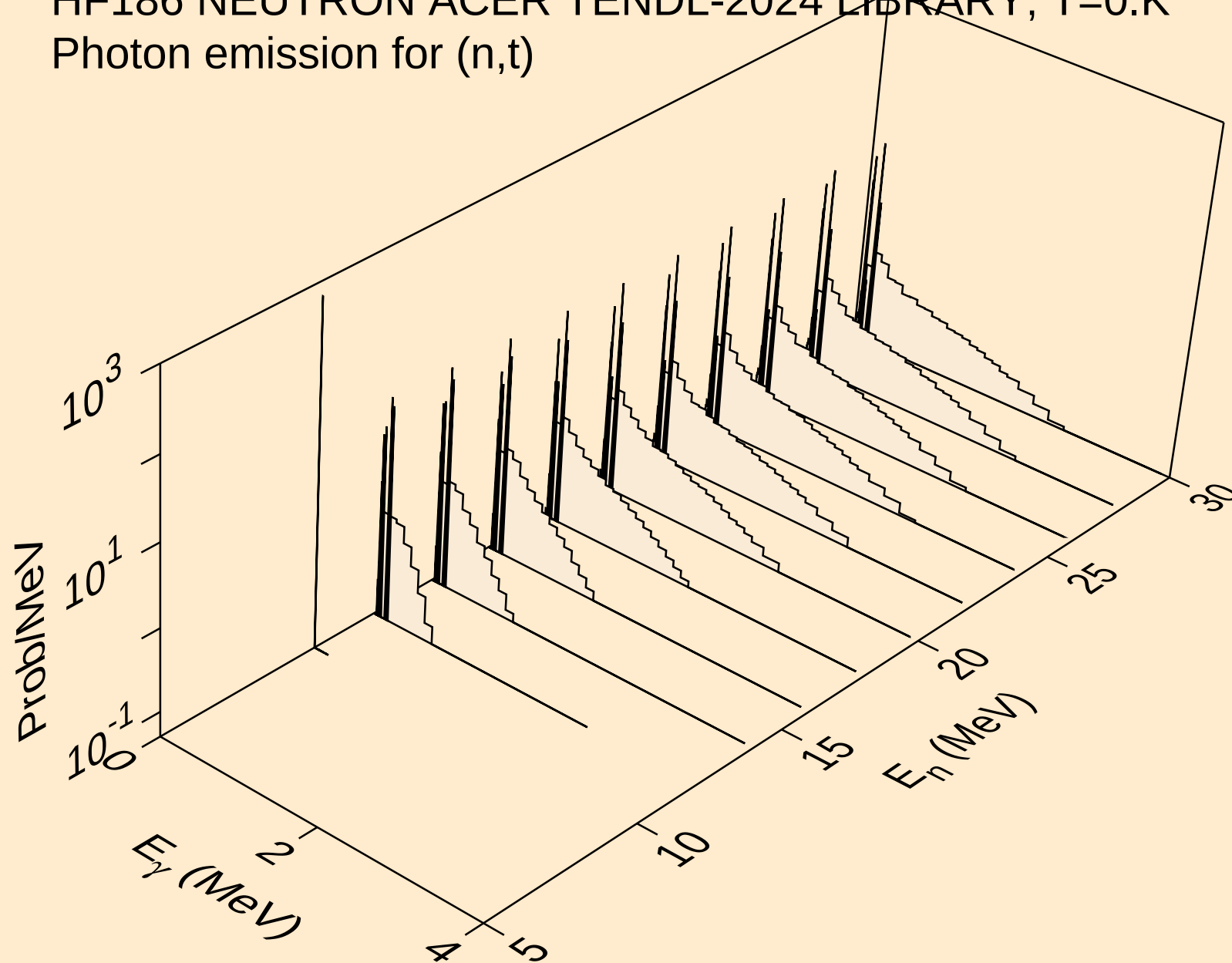
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



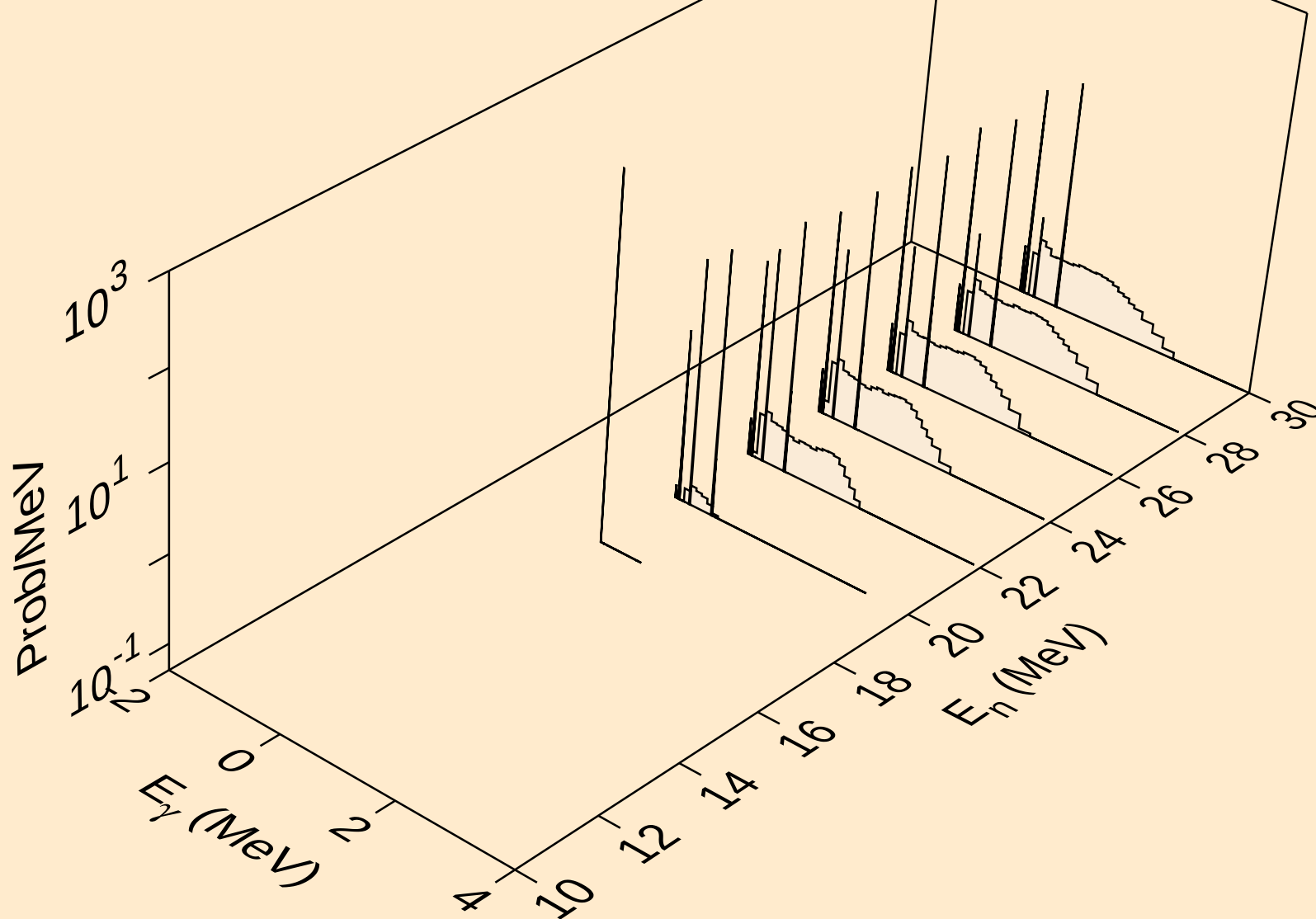
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Photon emission for (n,d)



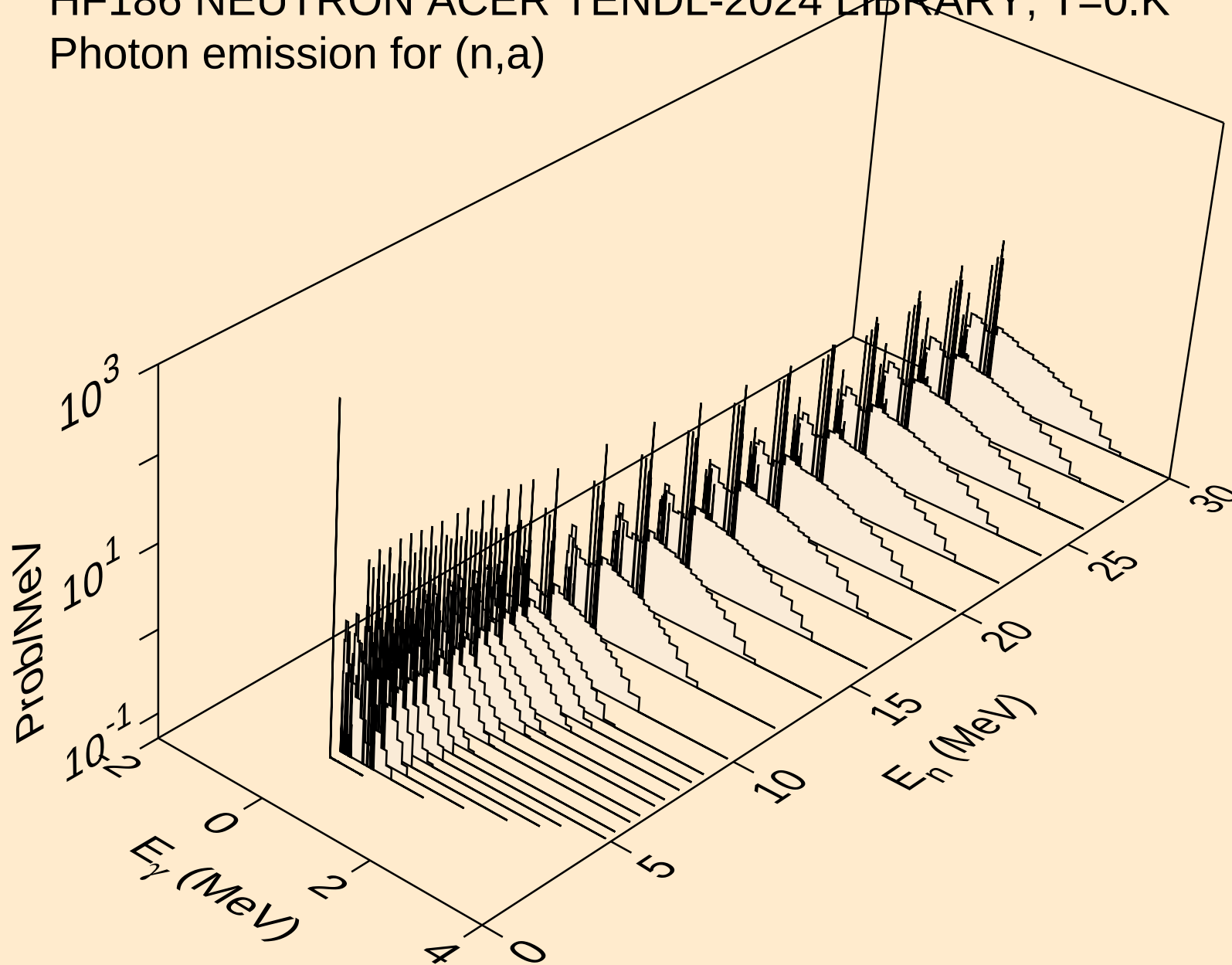
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Photon emission for (n,t)



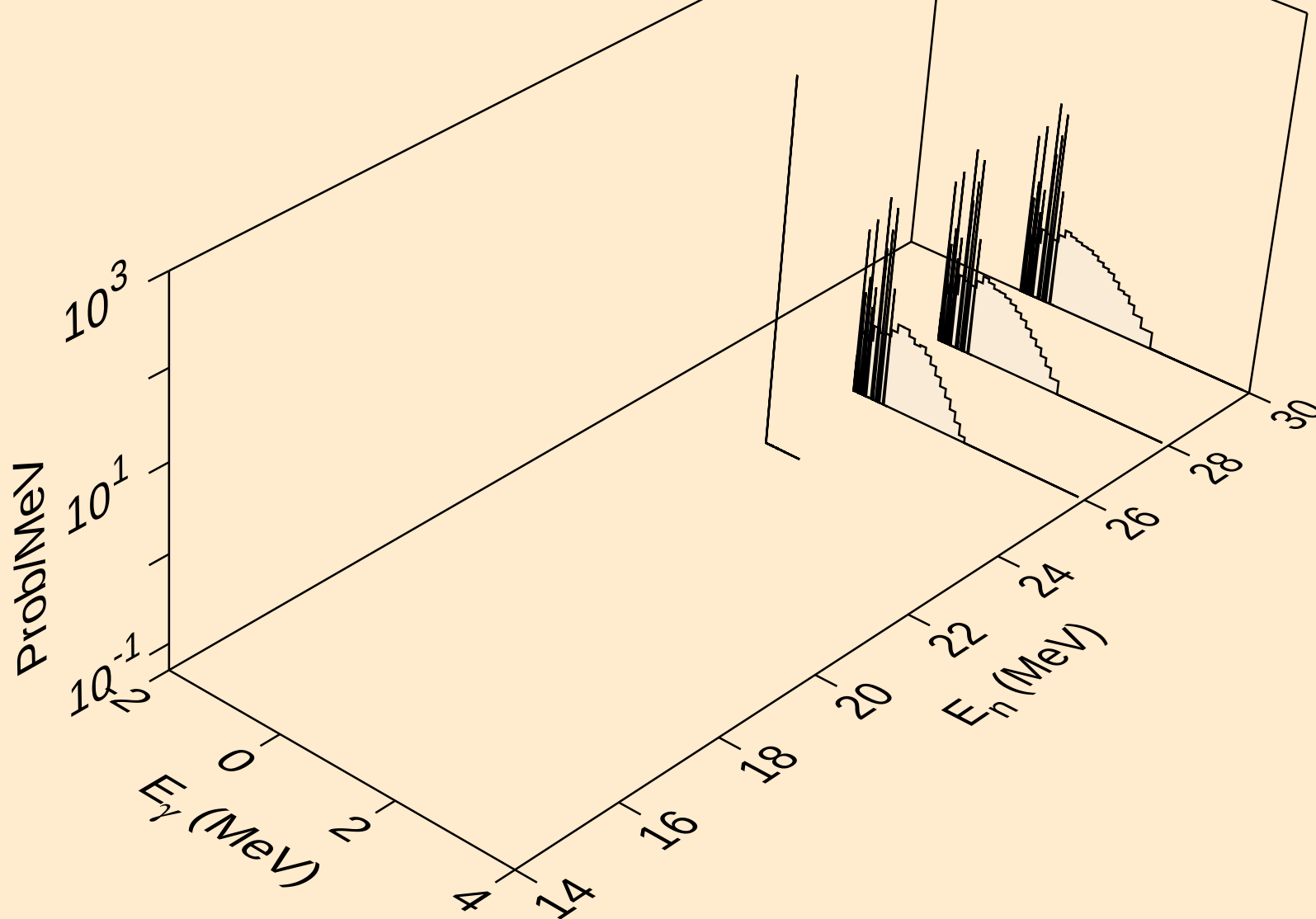
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Photon emission for (n,he3)



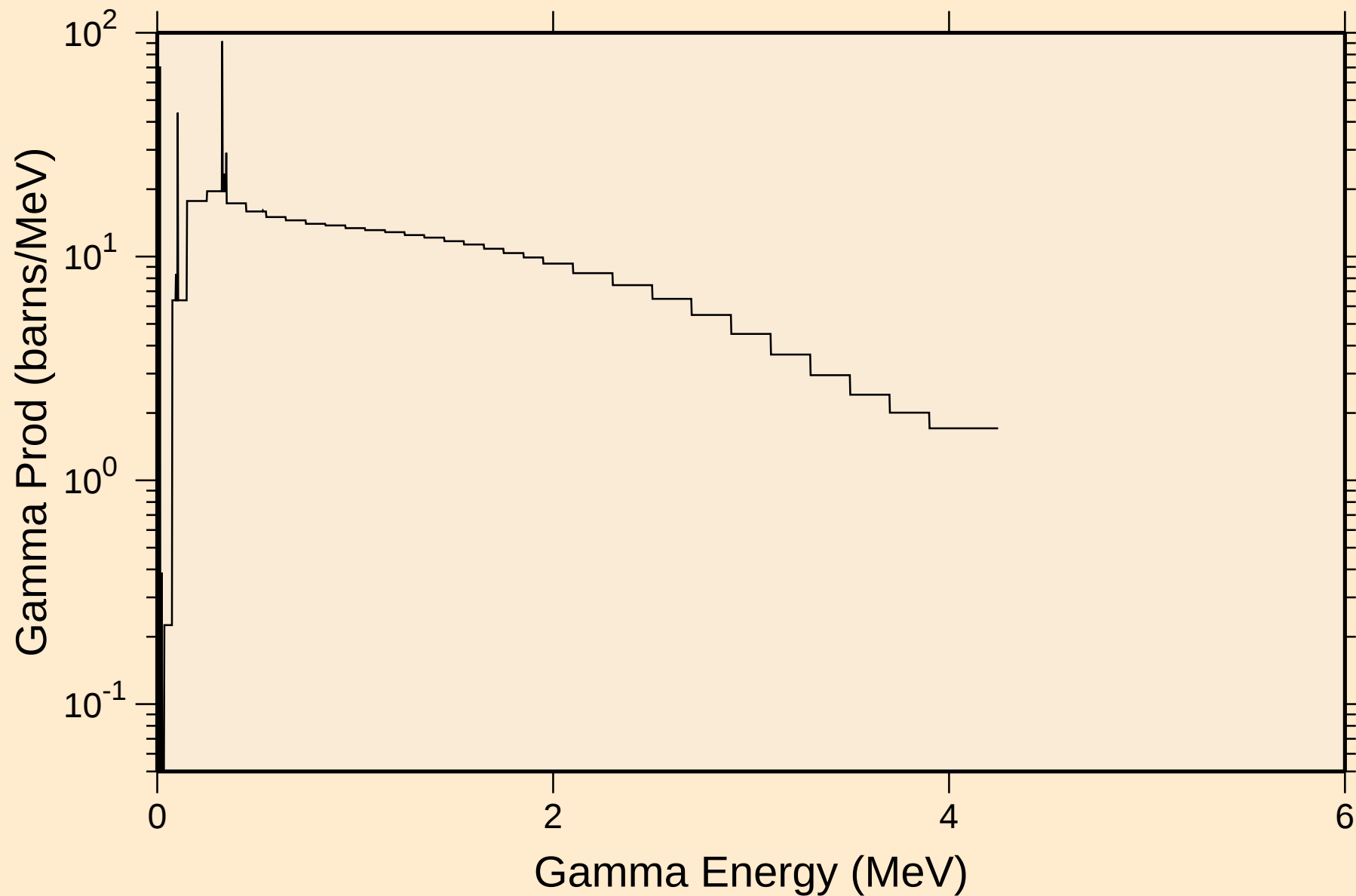
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



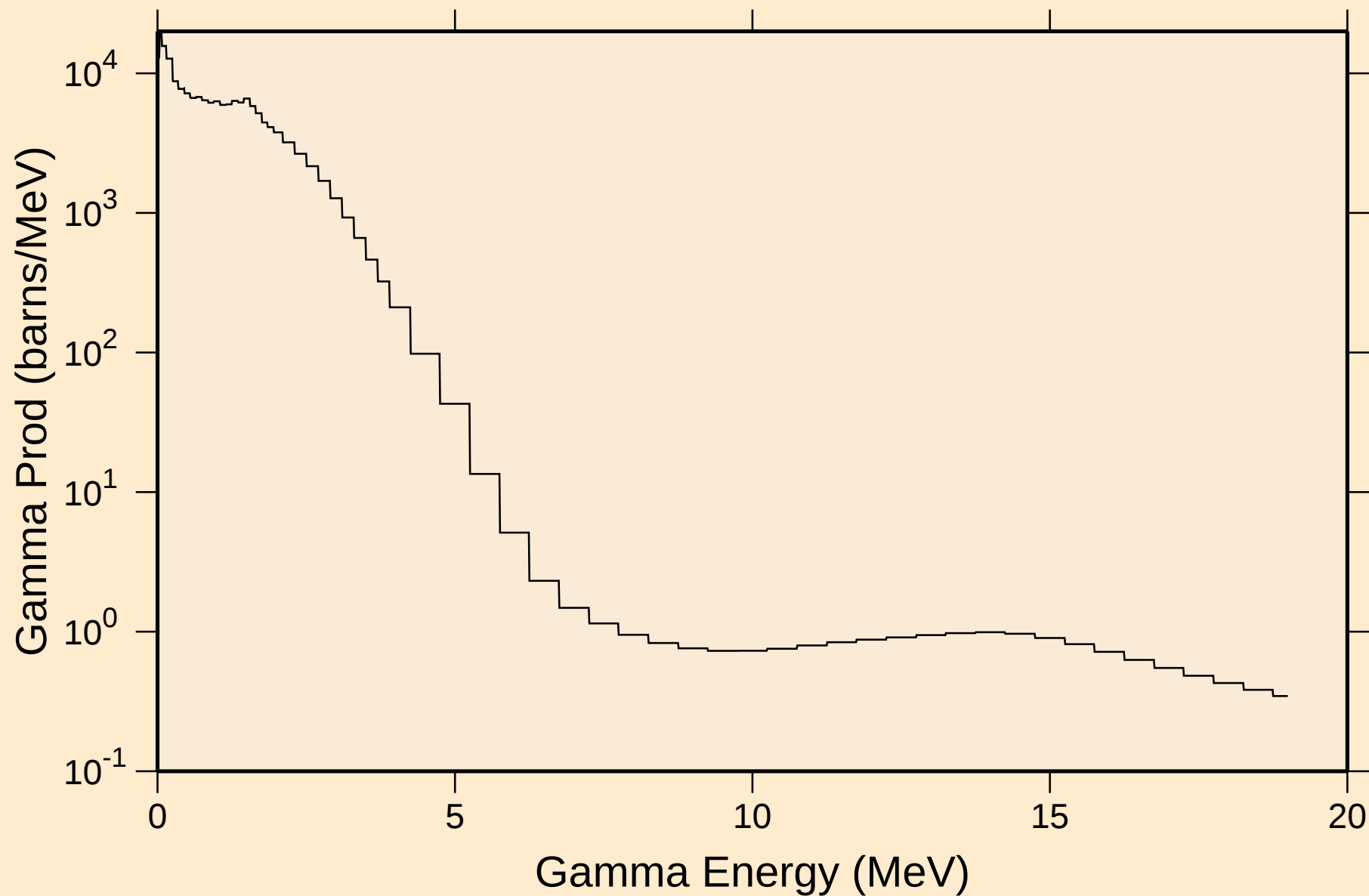
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

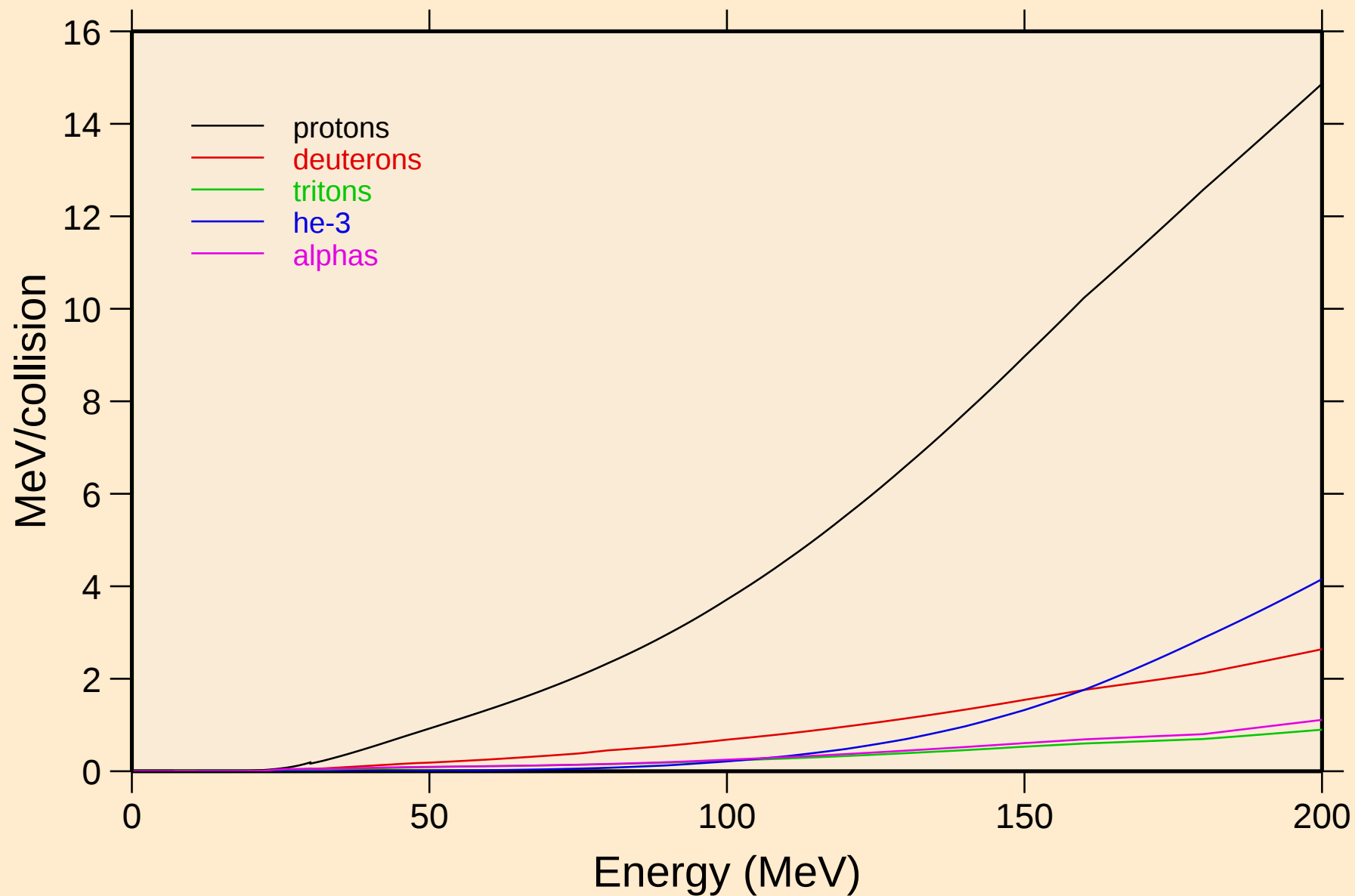


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



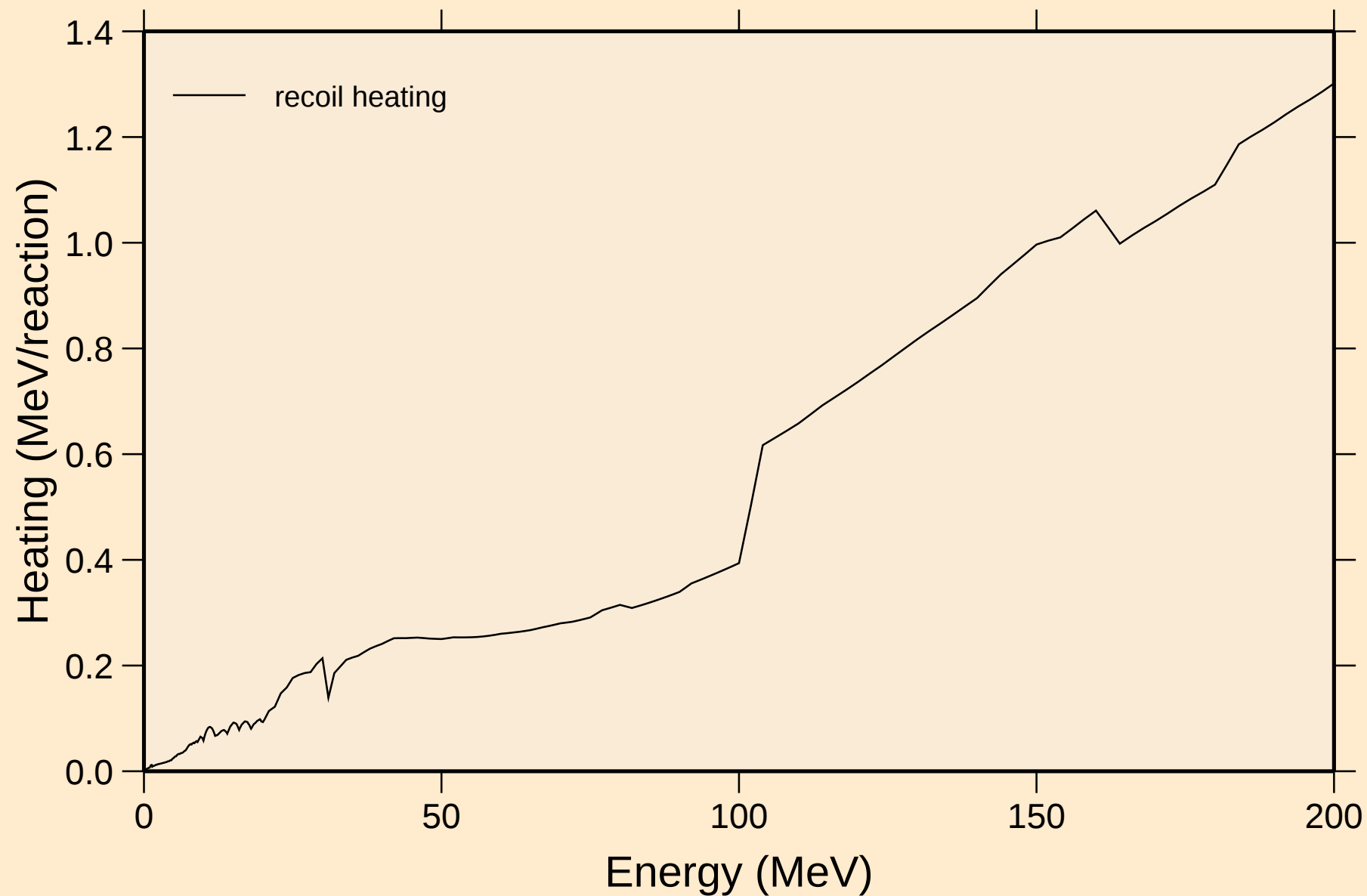
# HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



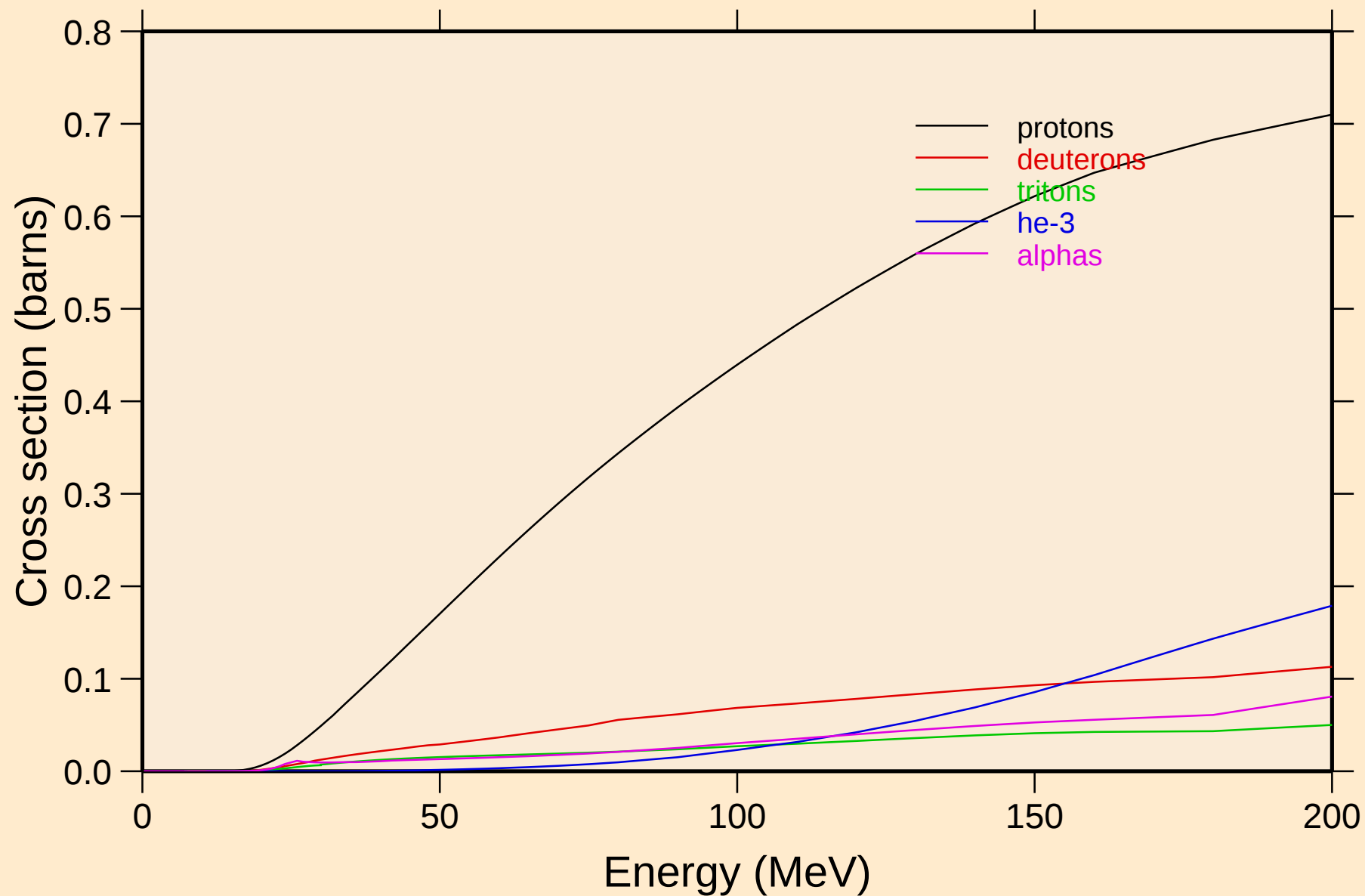
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## Recoil Heating

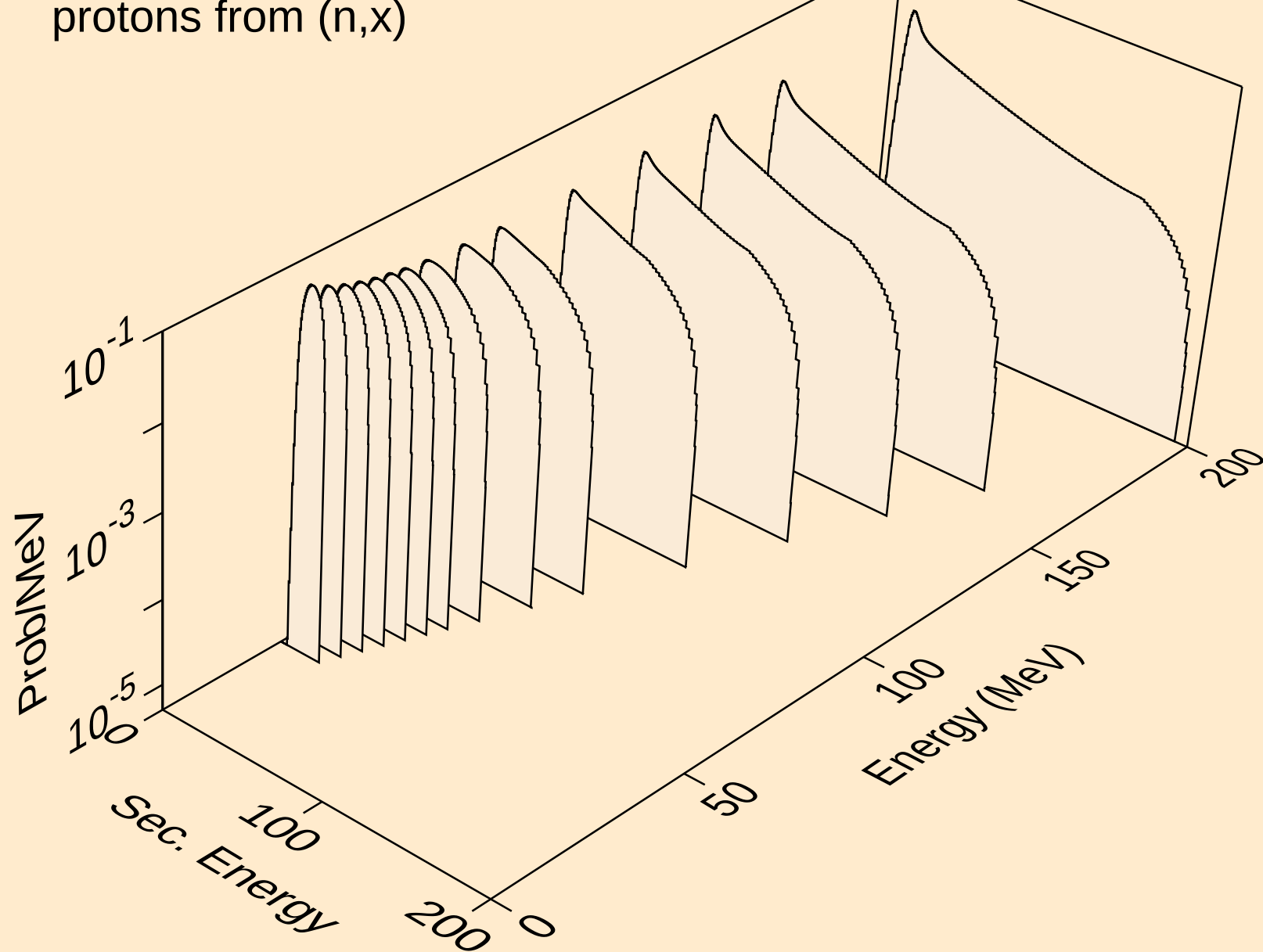


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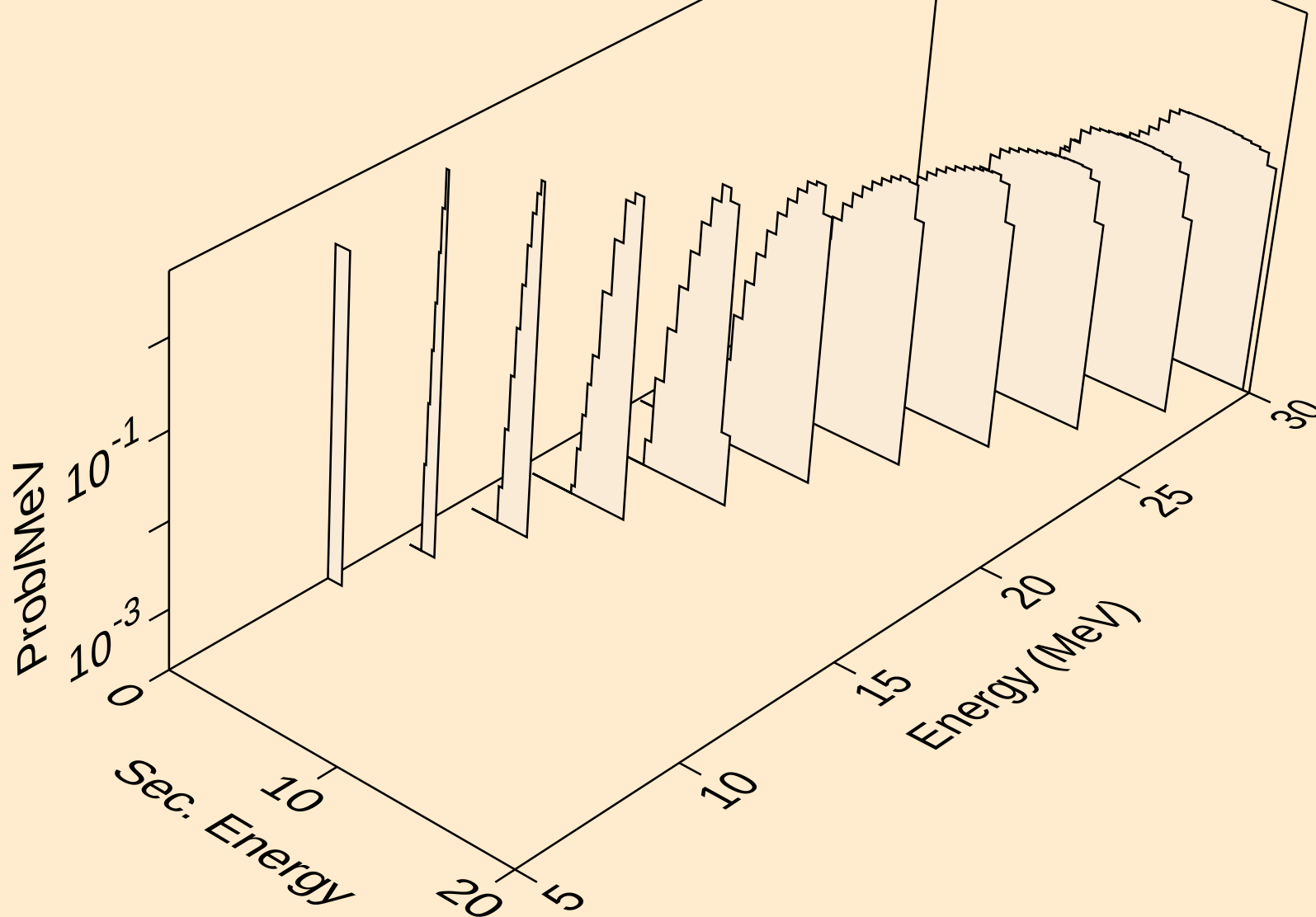
## Particle production cross sections



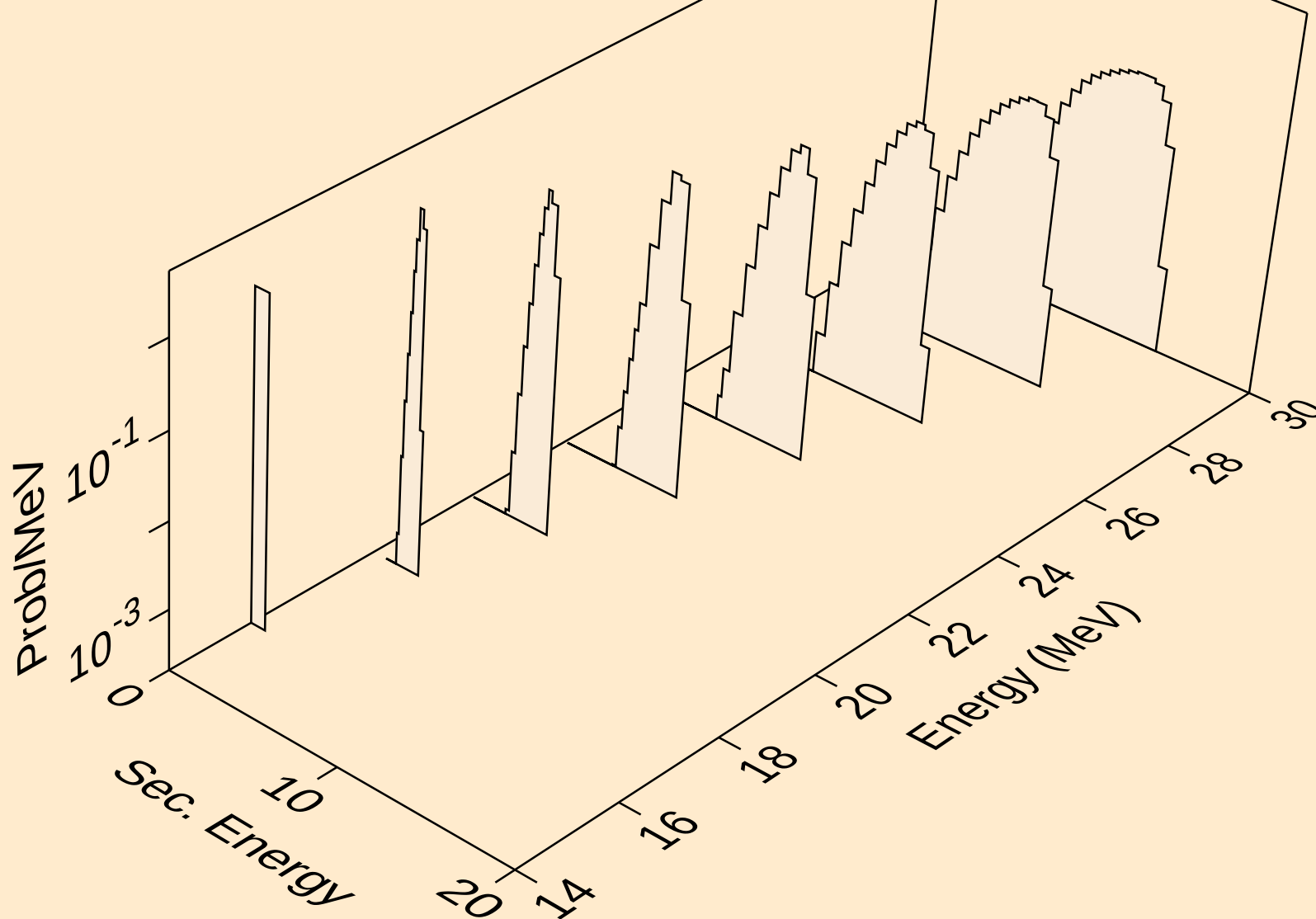
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



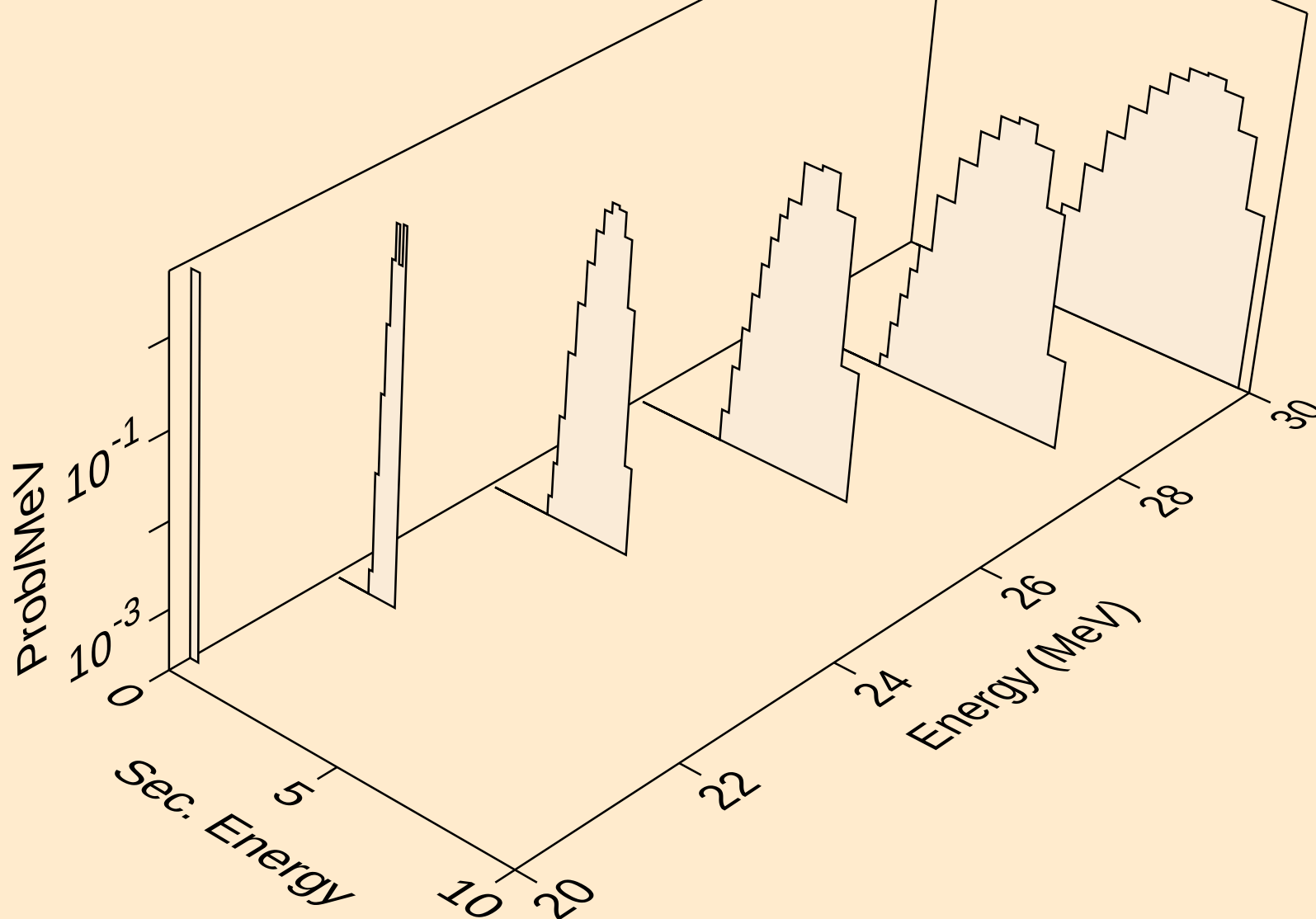
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



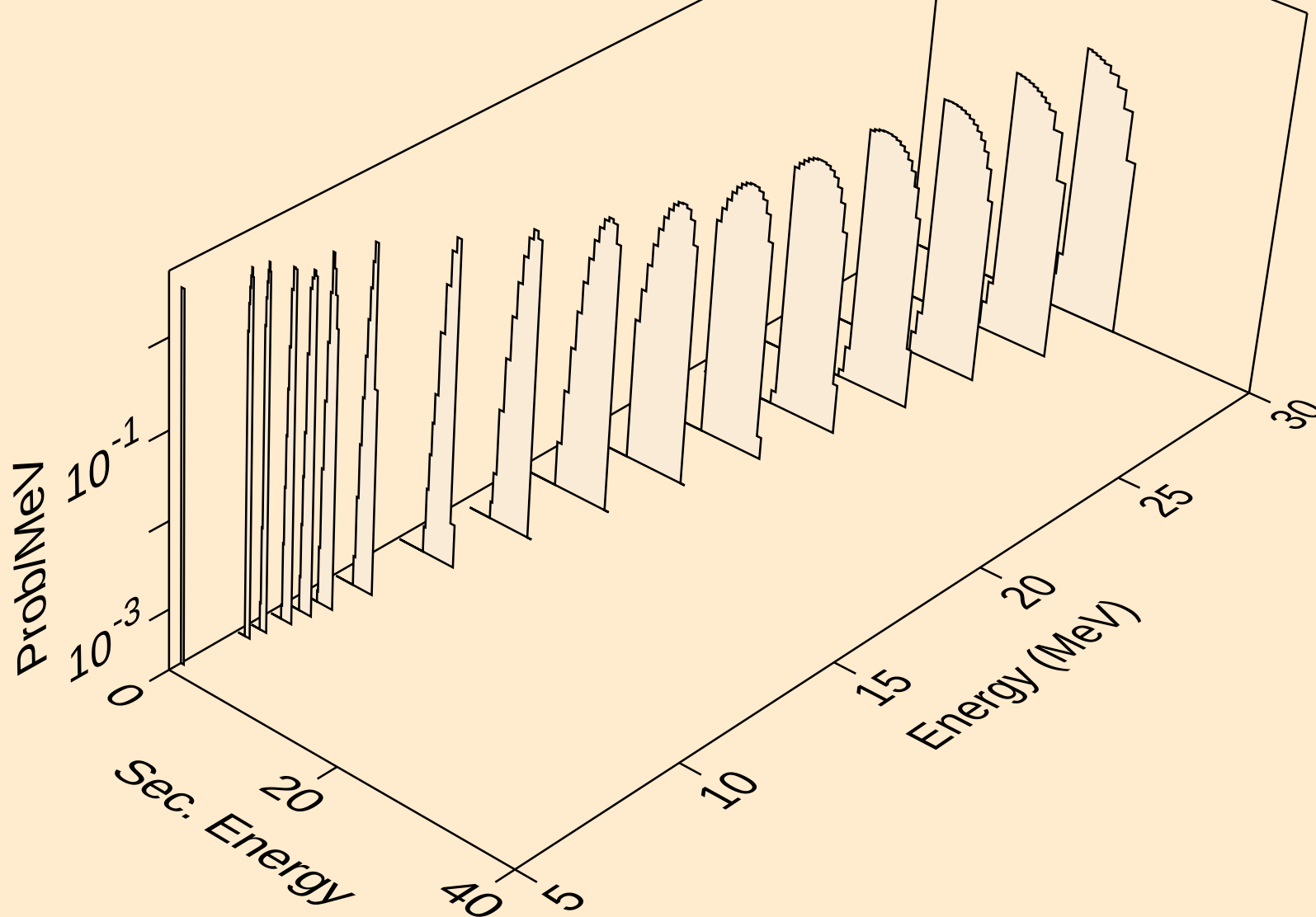
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

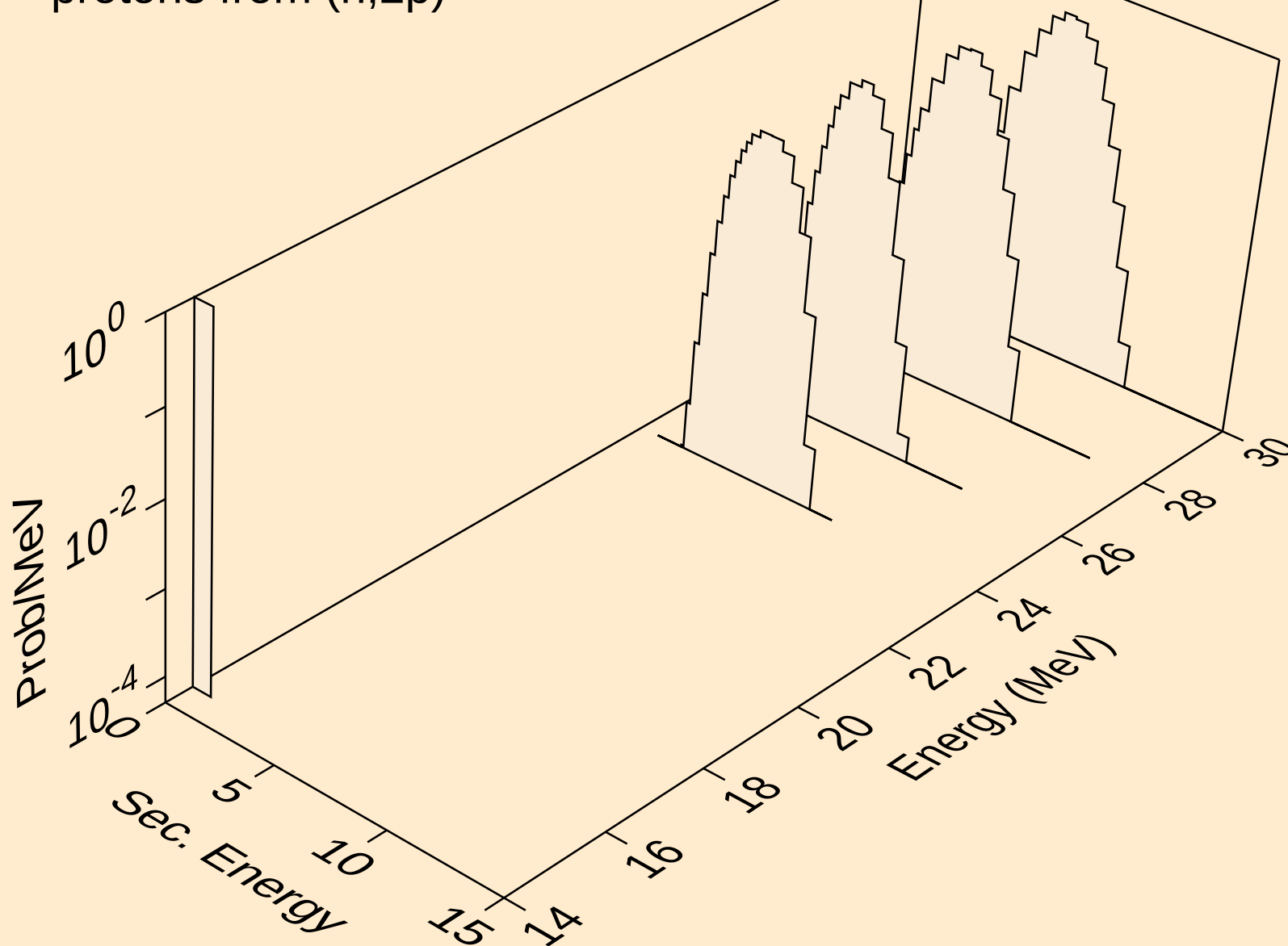


HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,p)

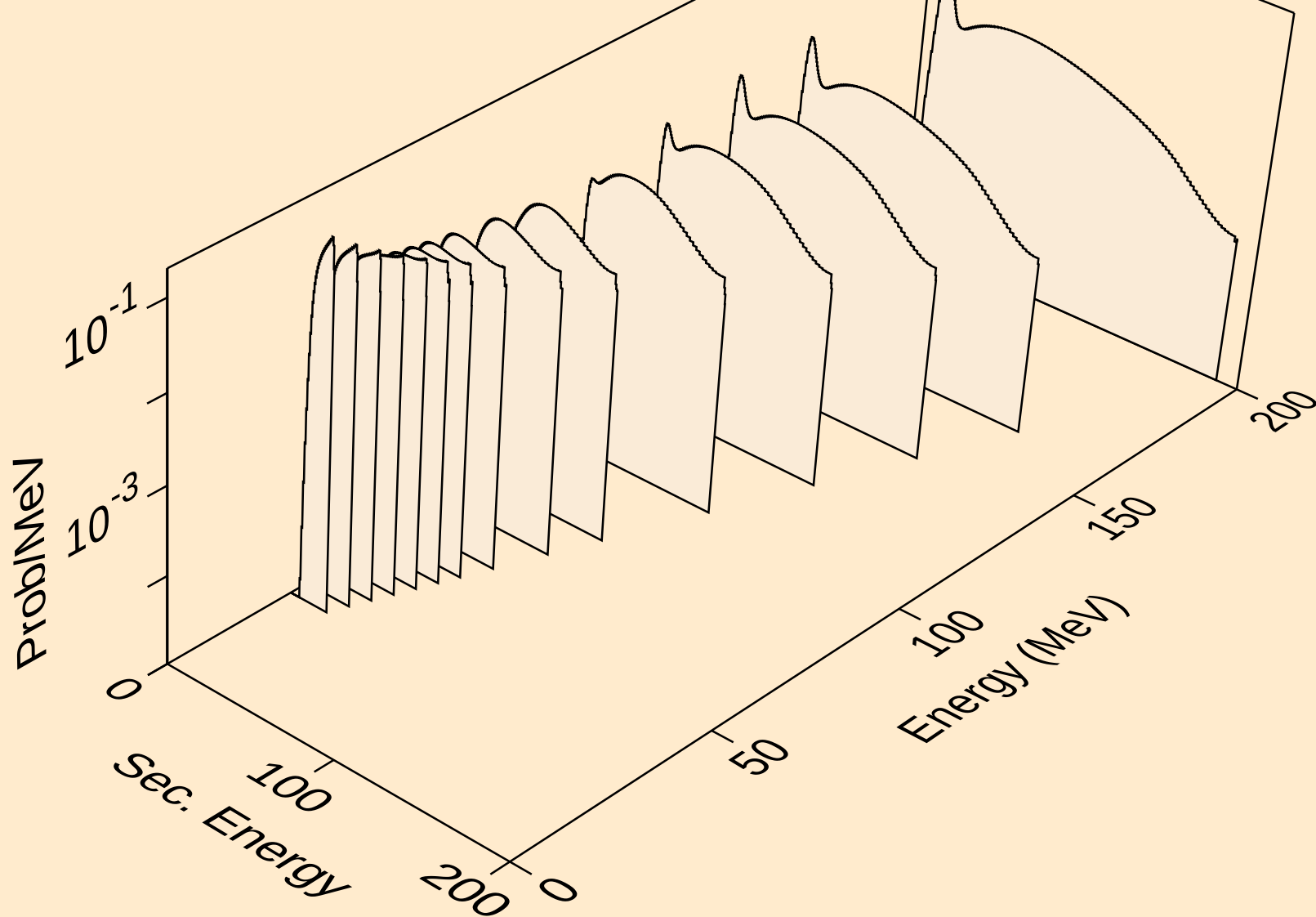


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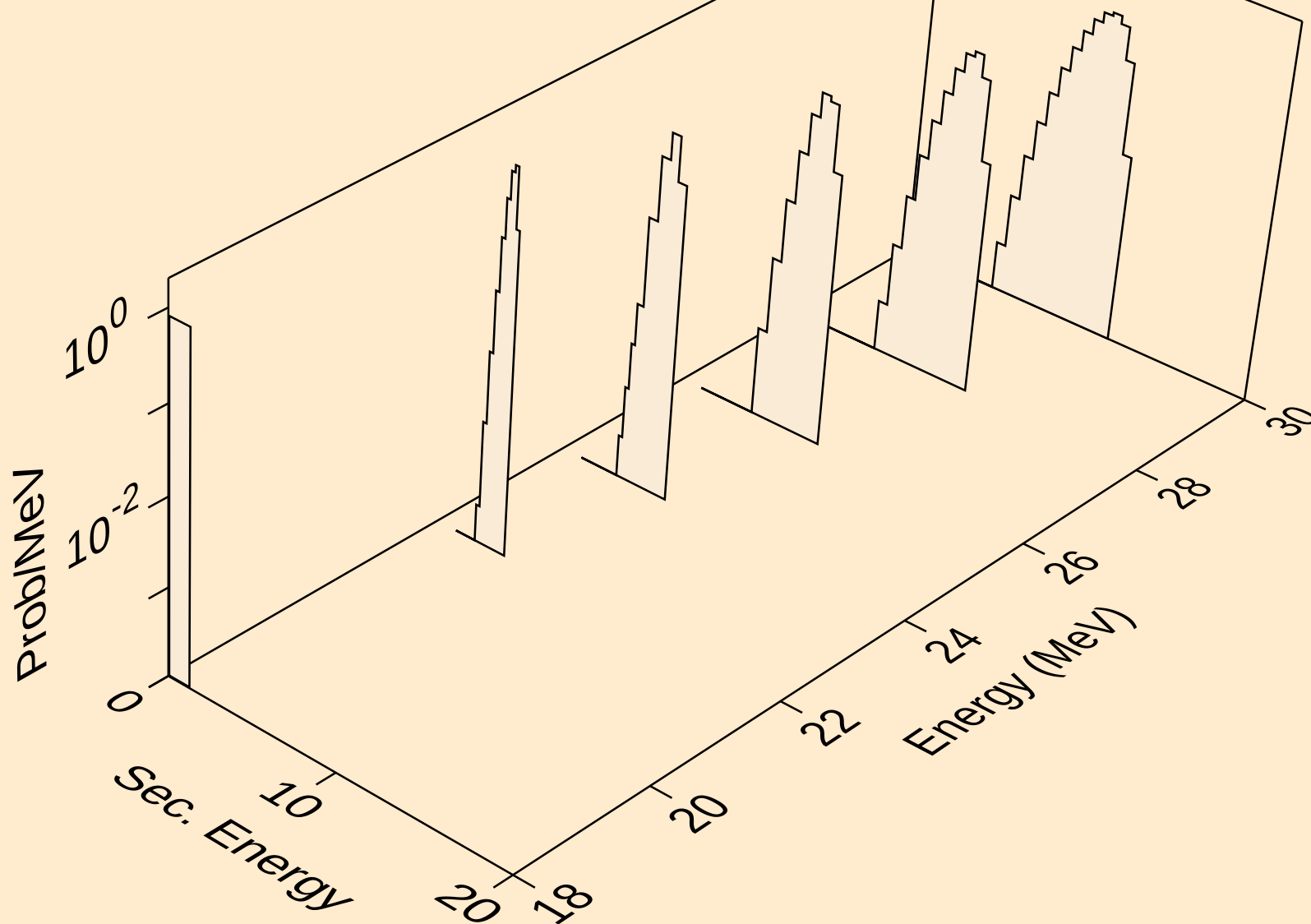
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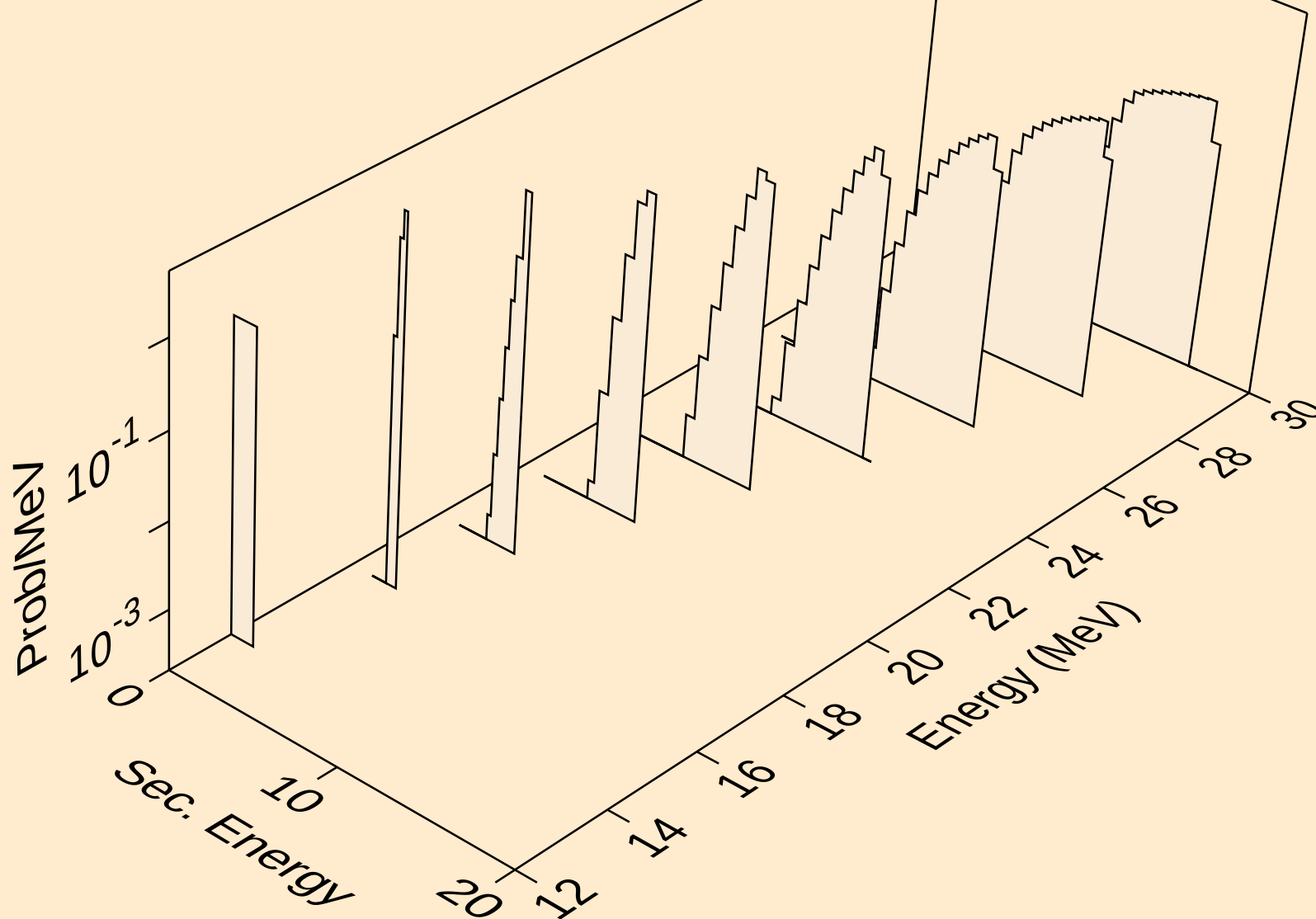
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



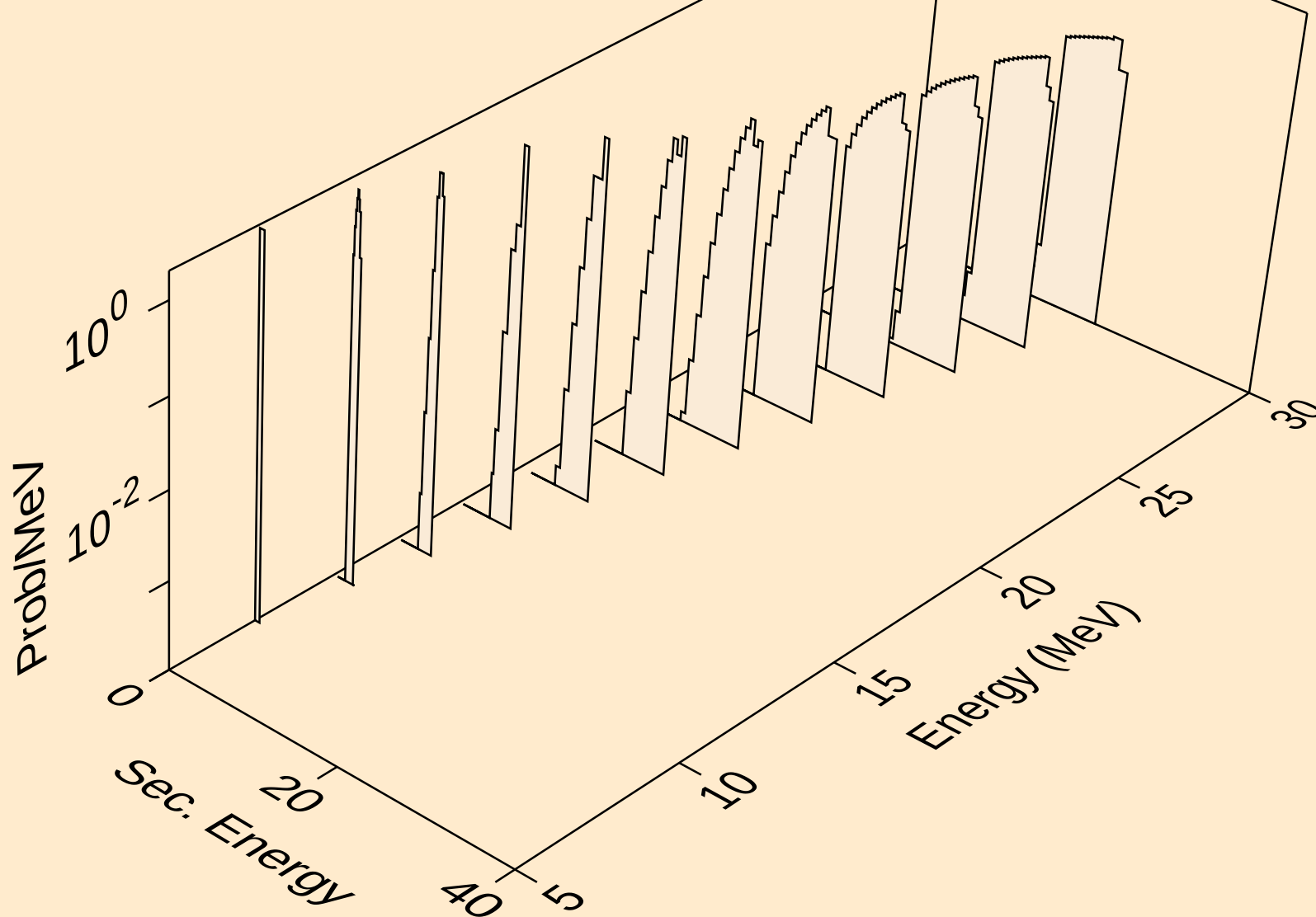
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deuterons from (n,2nd)



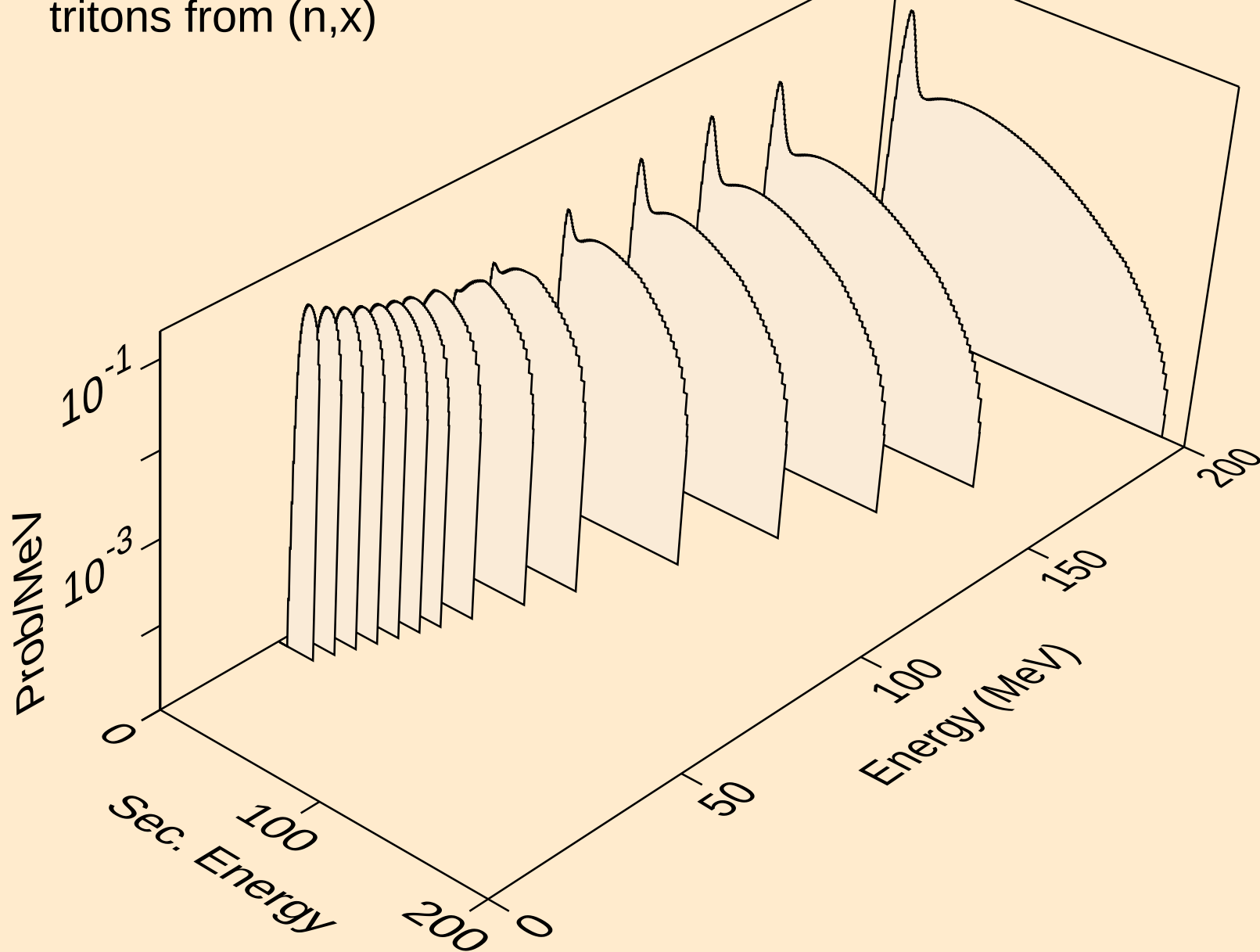
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deuterons from (n,n\*)d



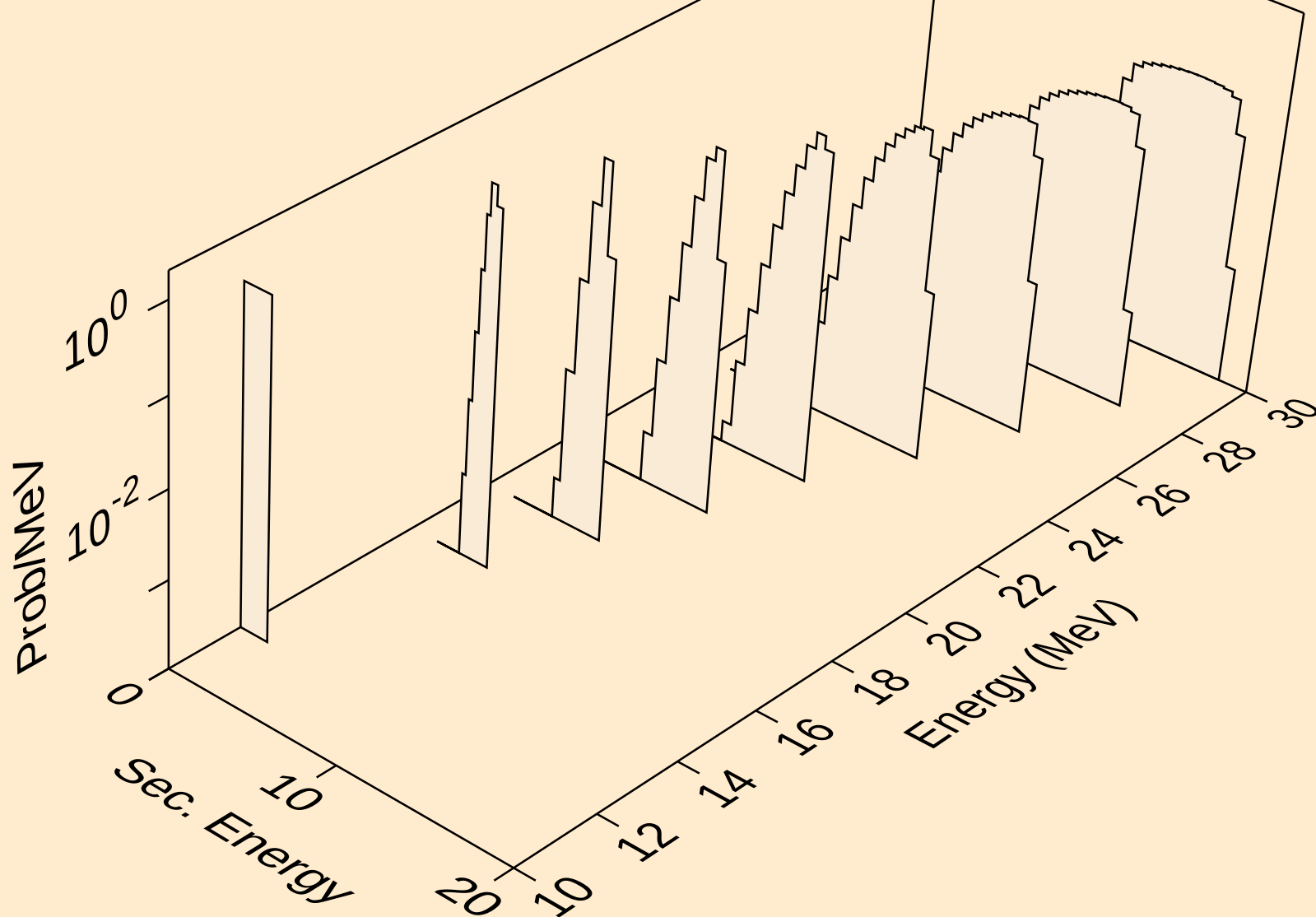
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deuterons from (n,d)



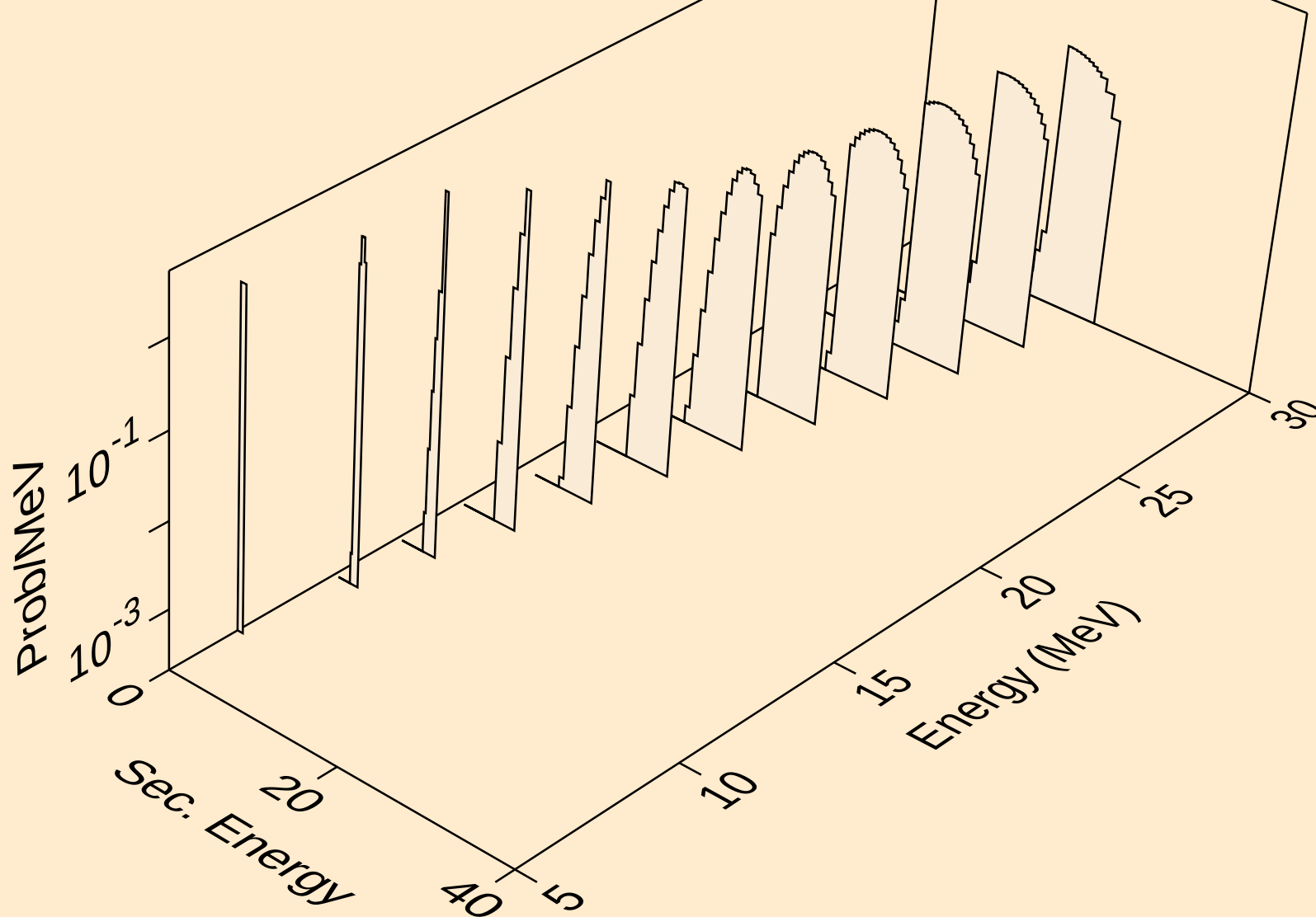
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



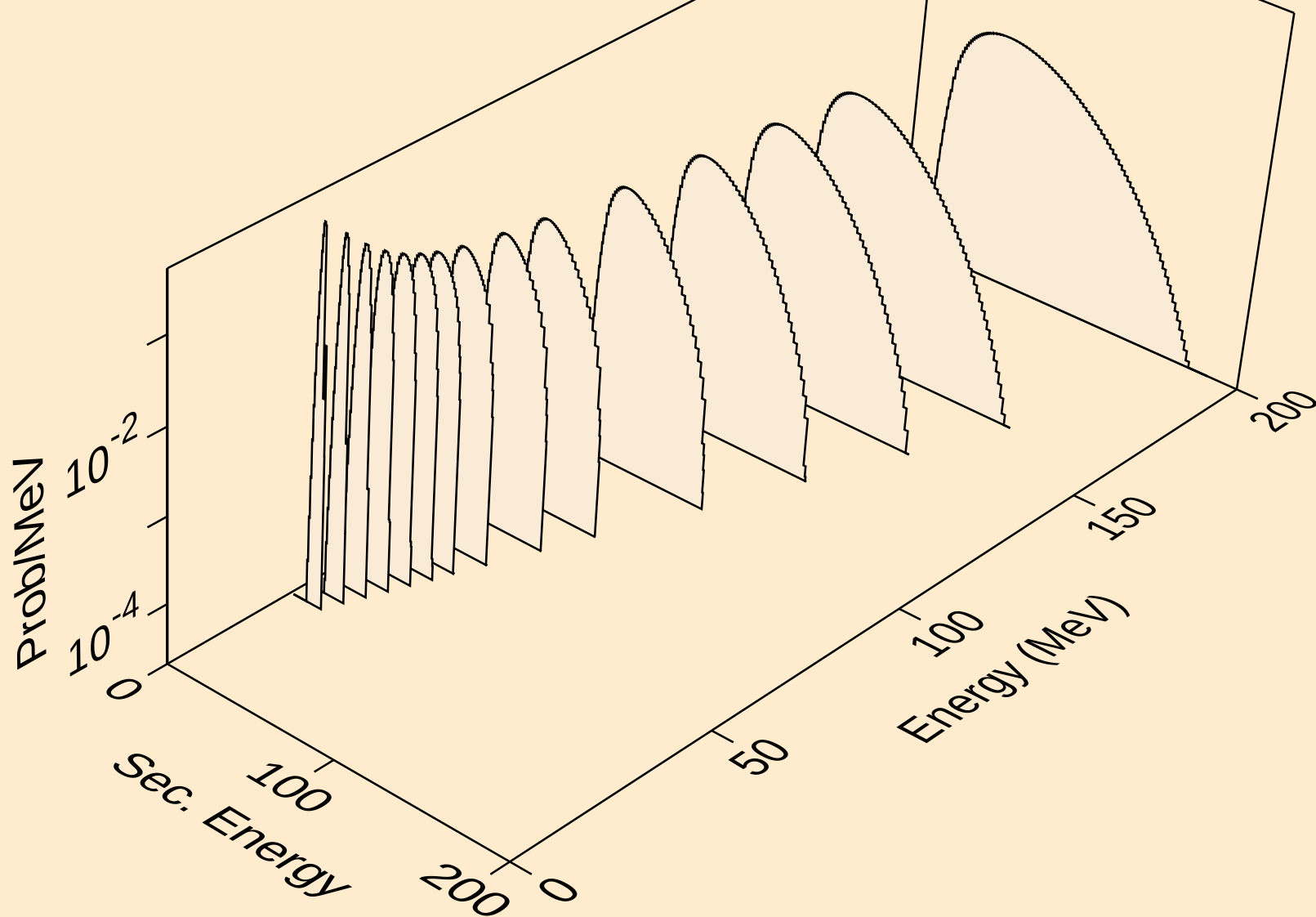
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



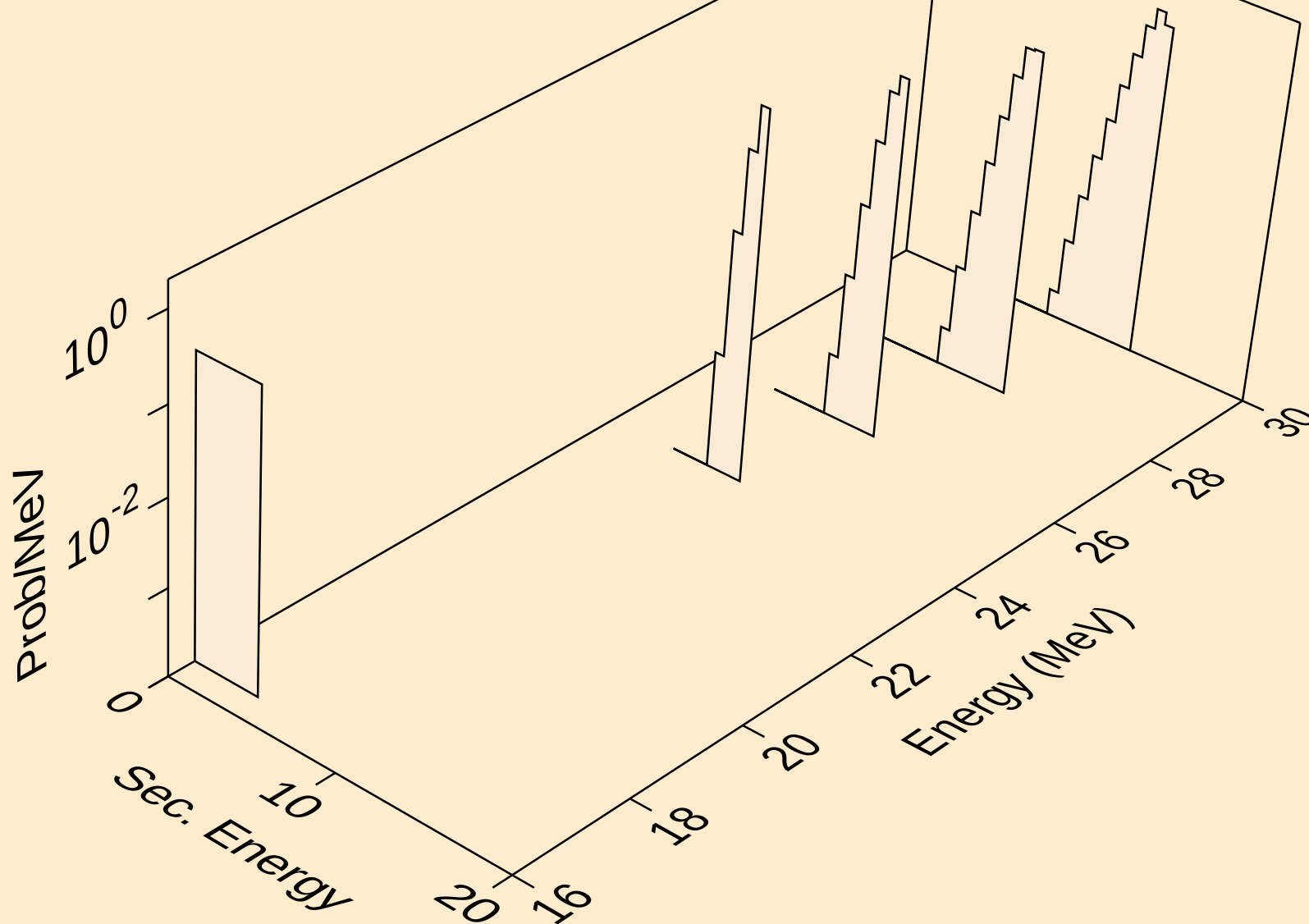
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tritons from (n,t)



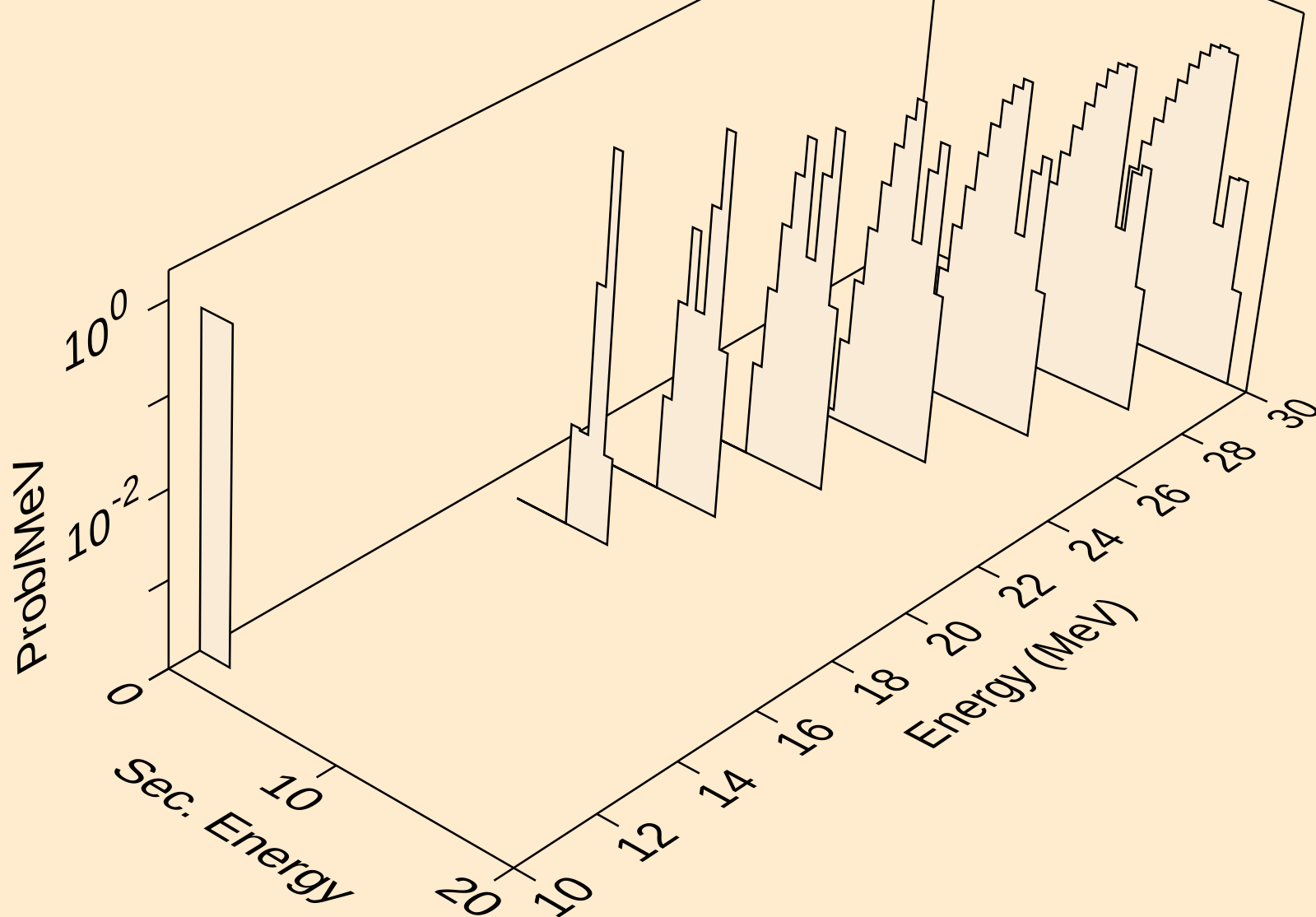
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



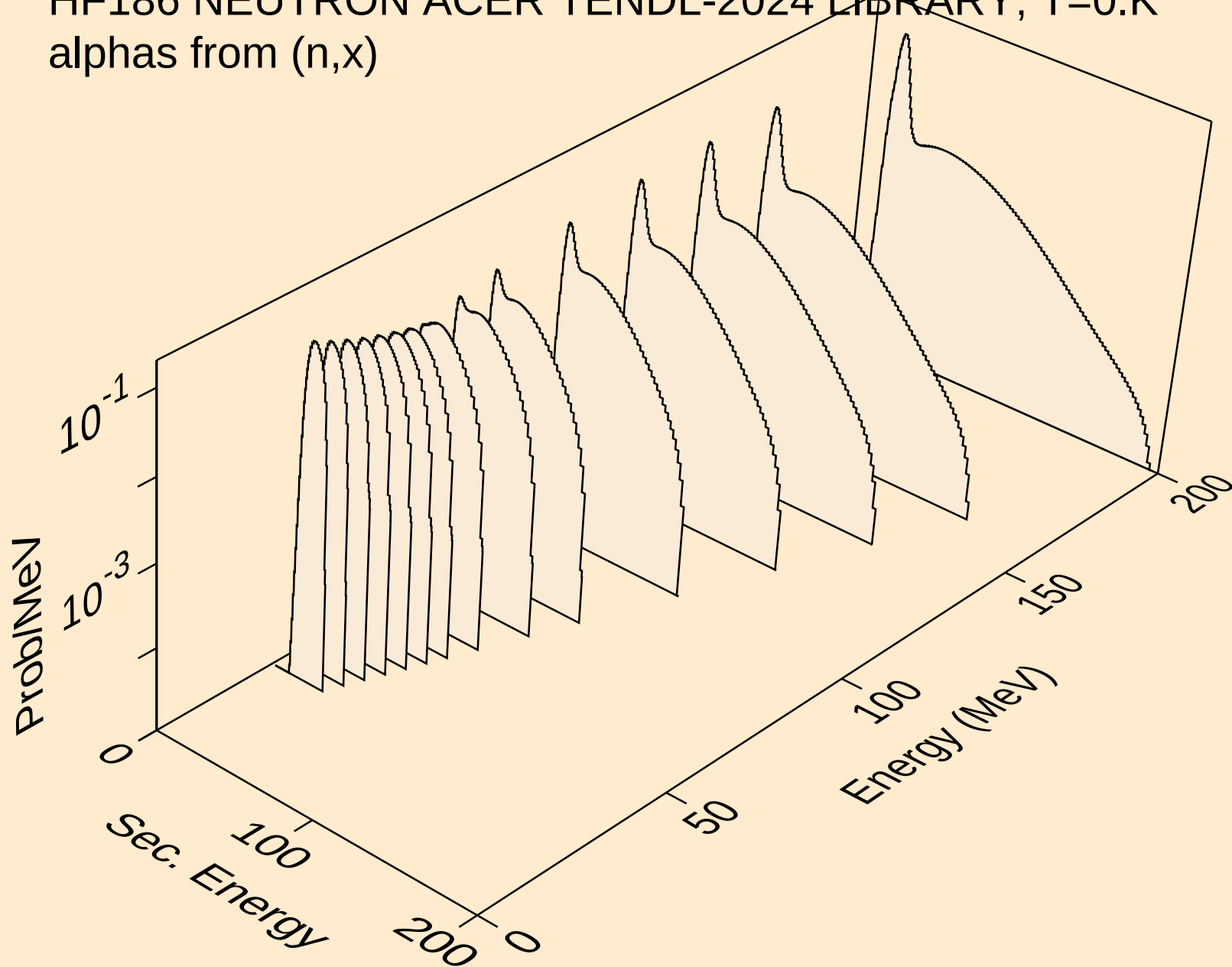
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



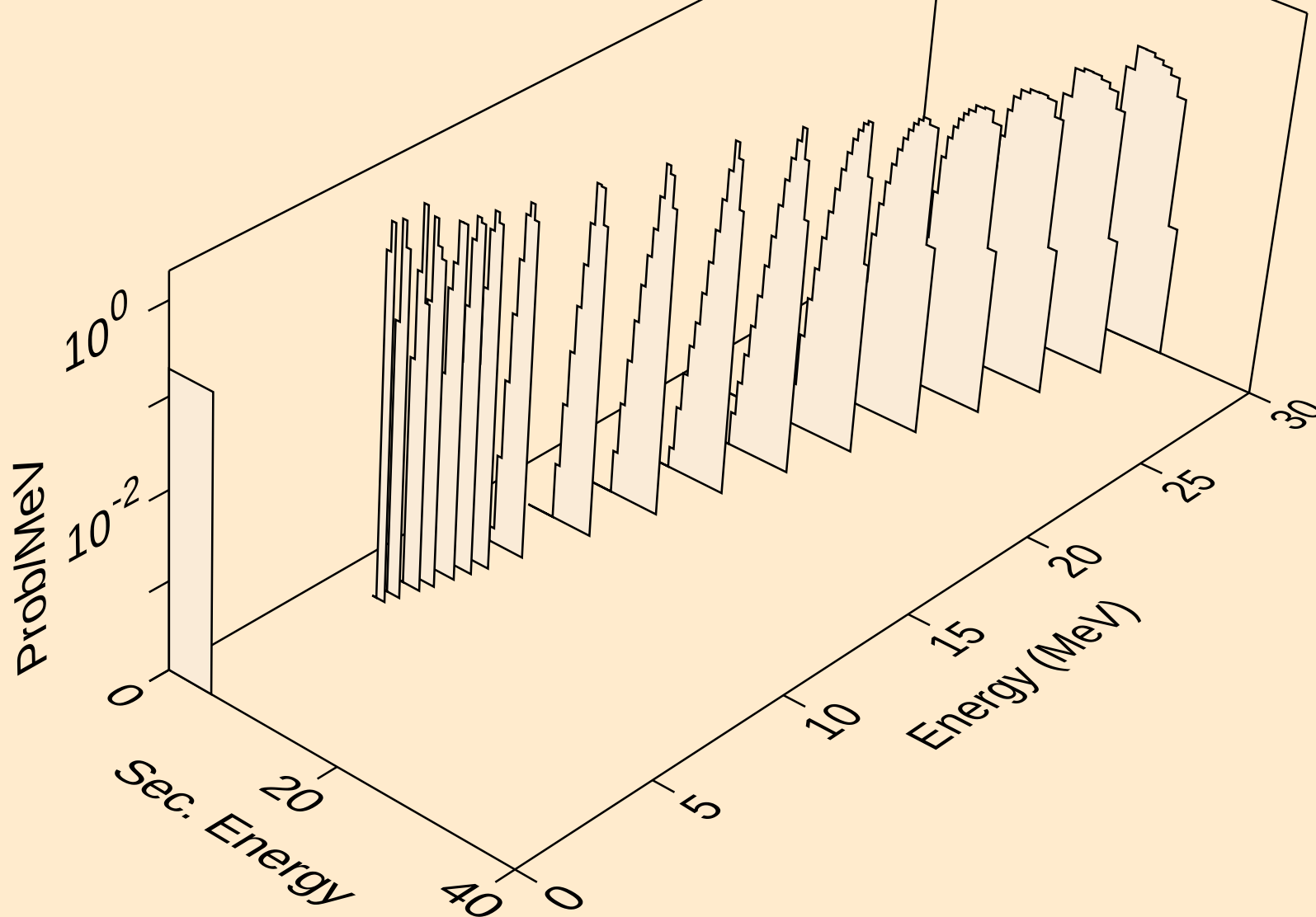
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he3s from (n,he3)



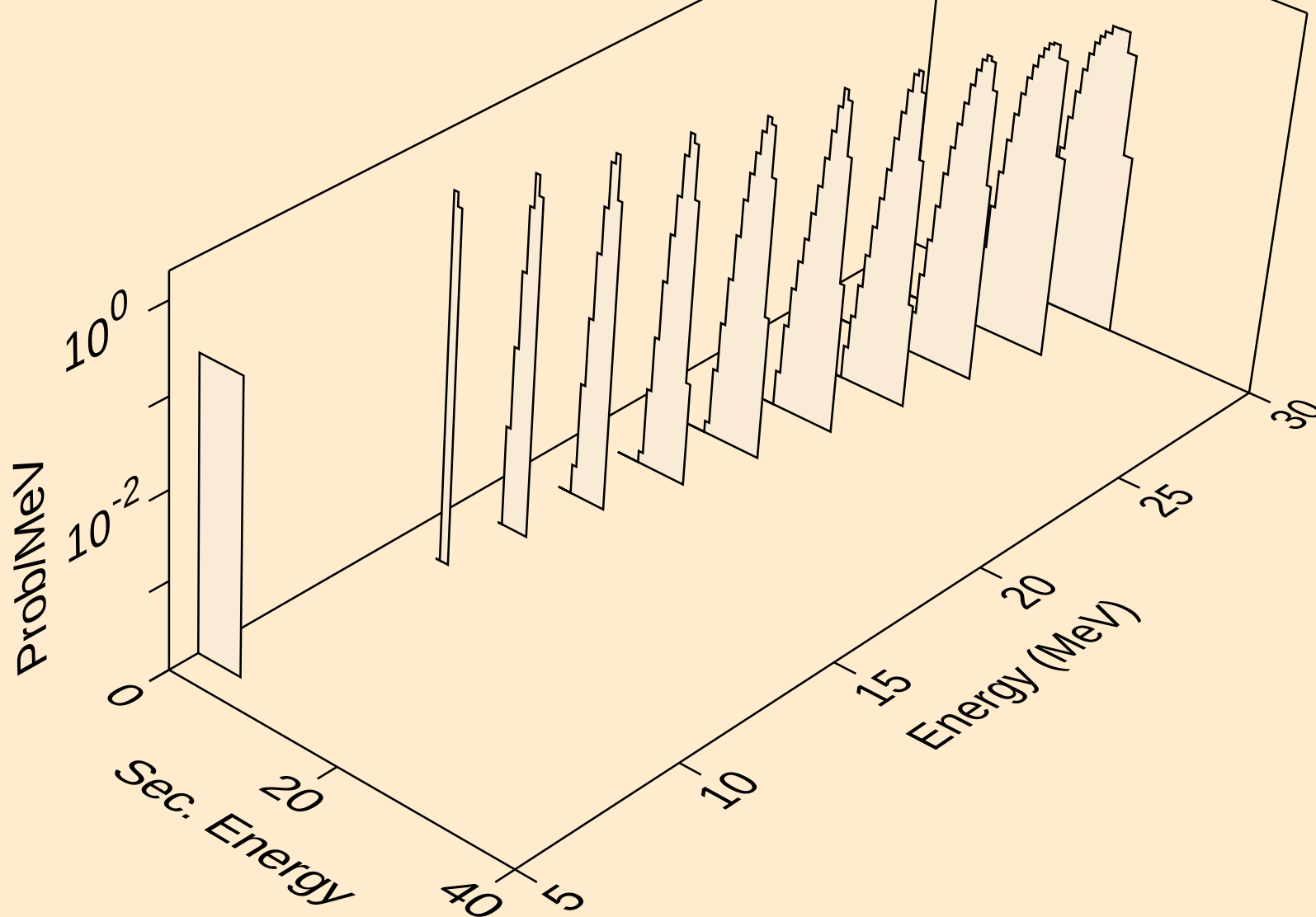
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



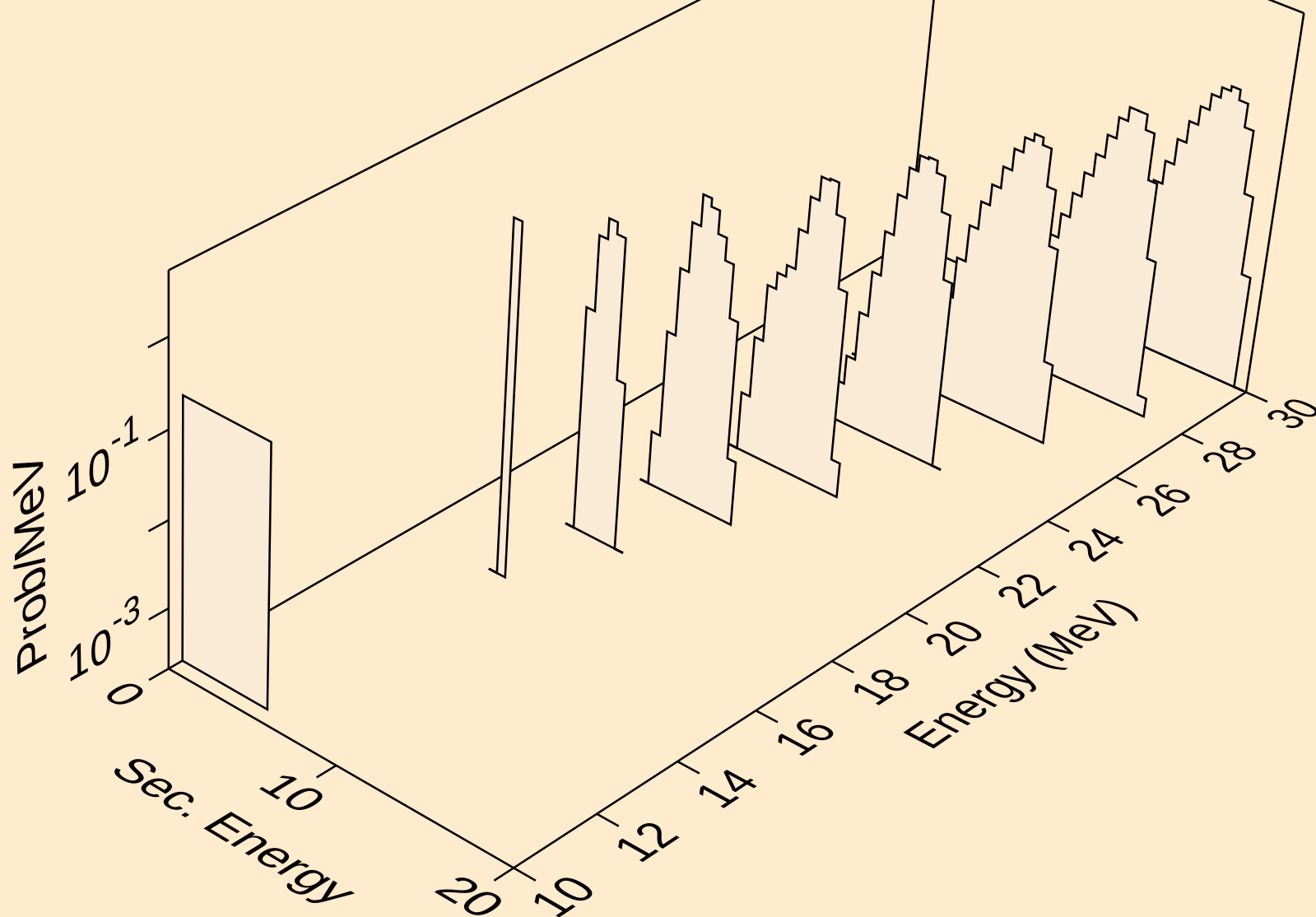
HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



HF186 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

