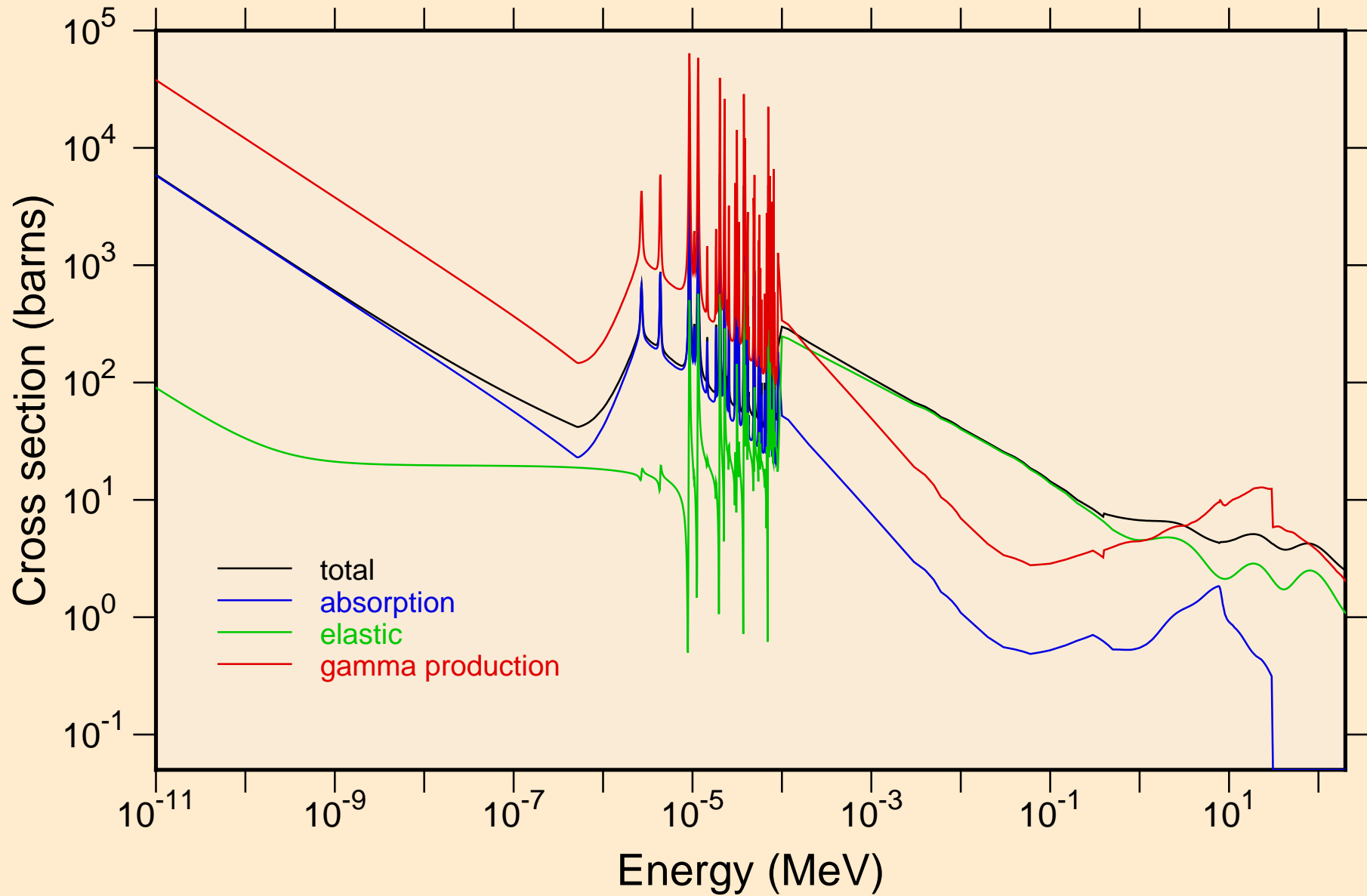
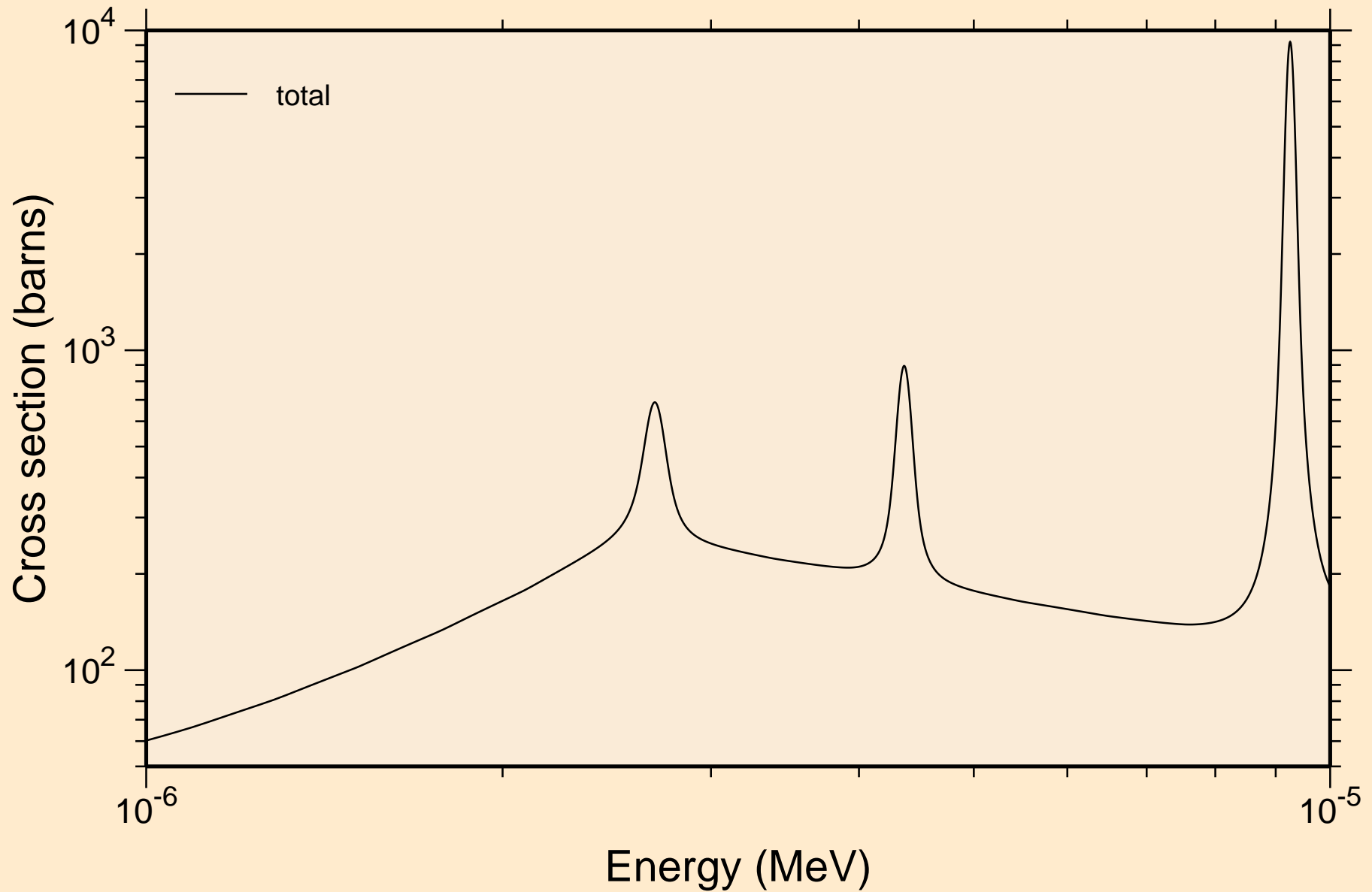


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

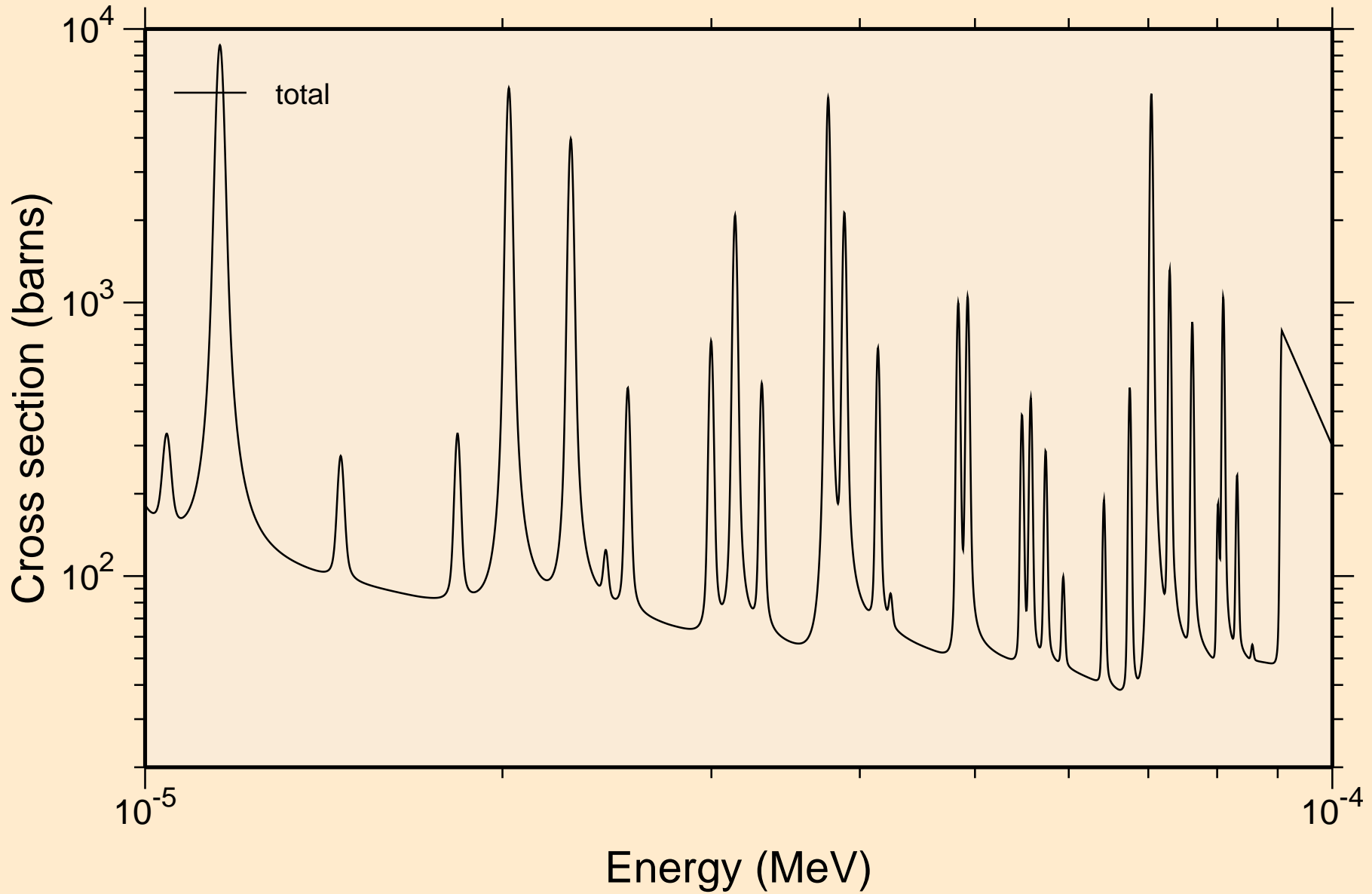
## Principal cross sections



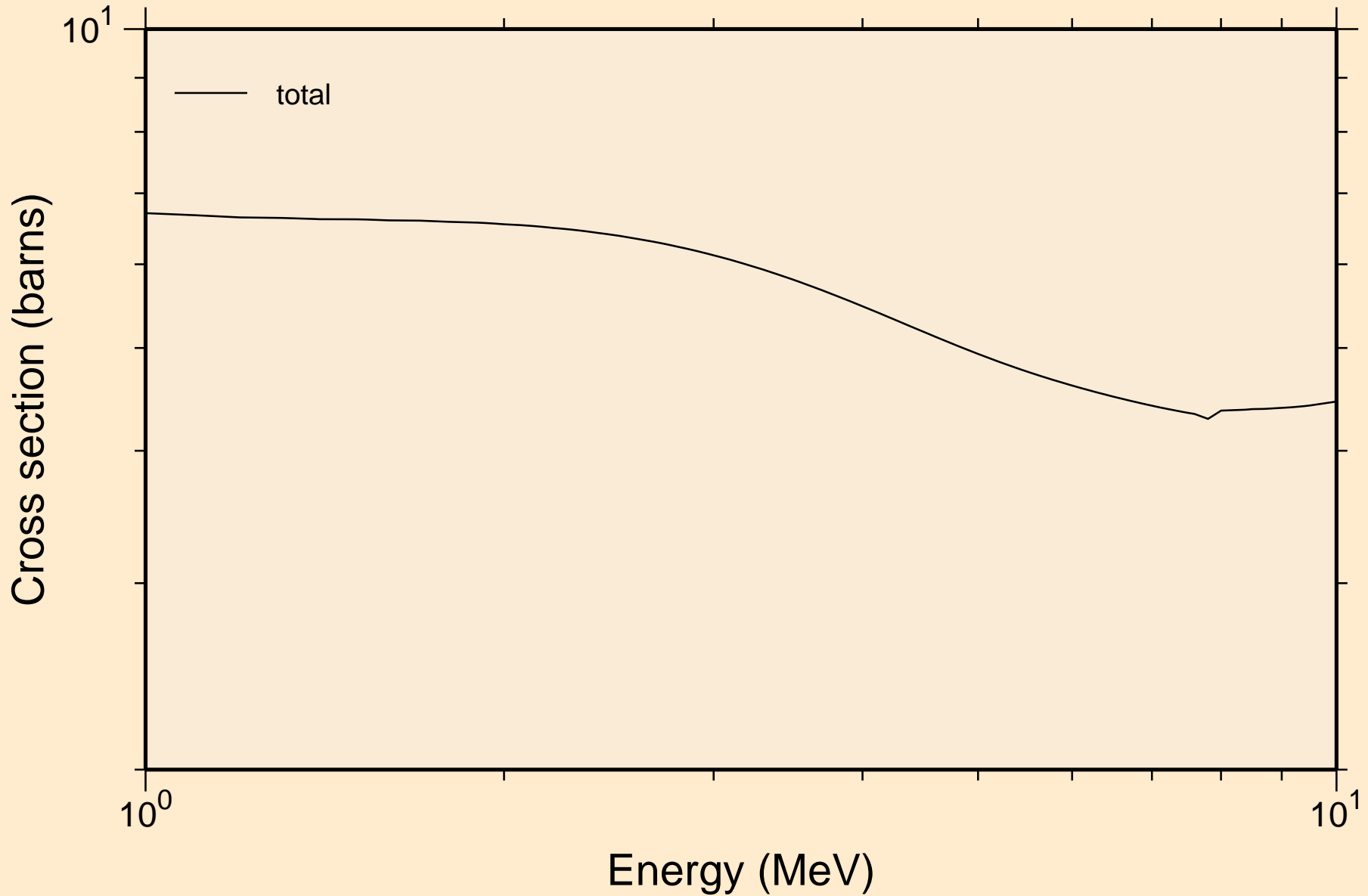
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



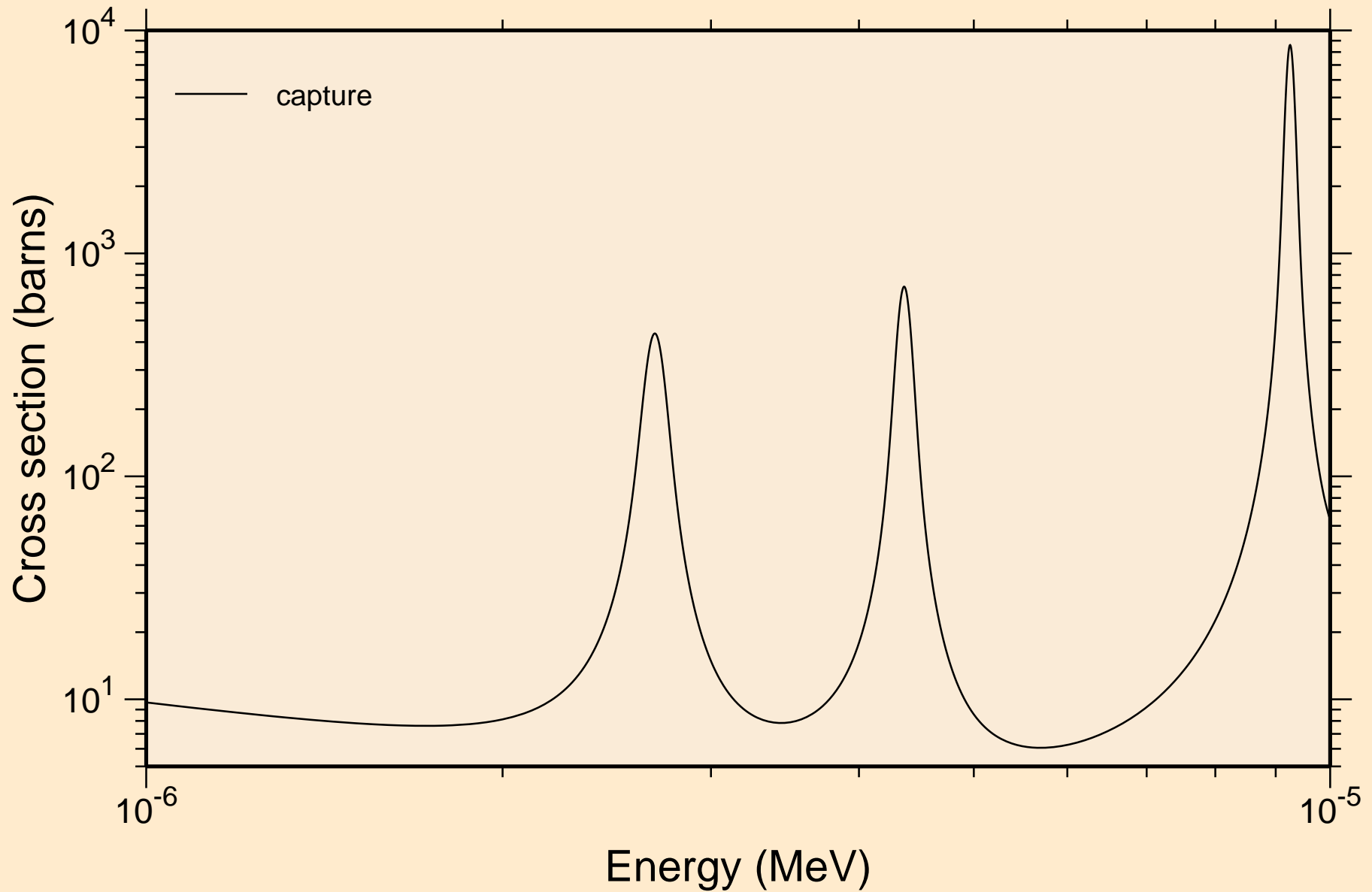
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



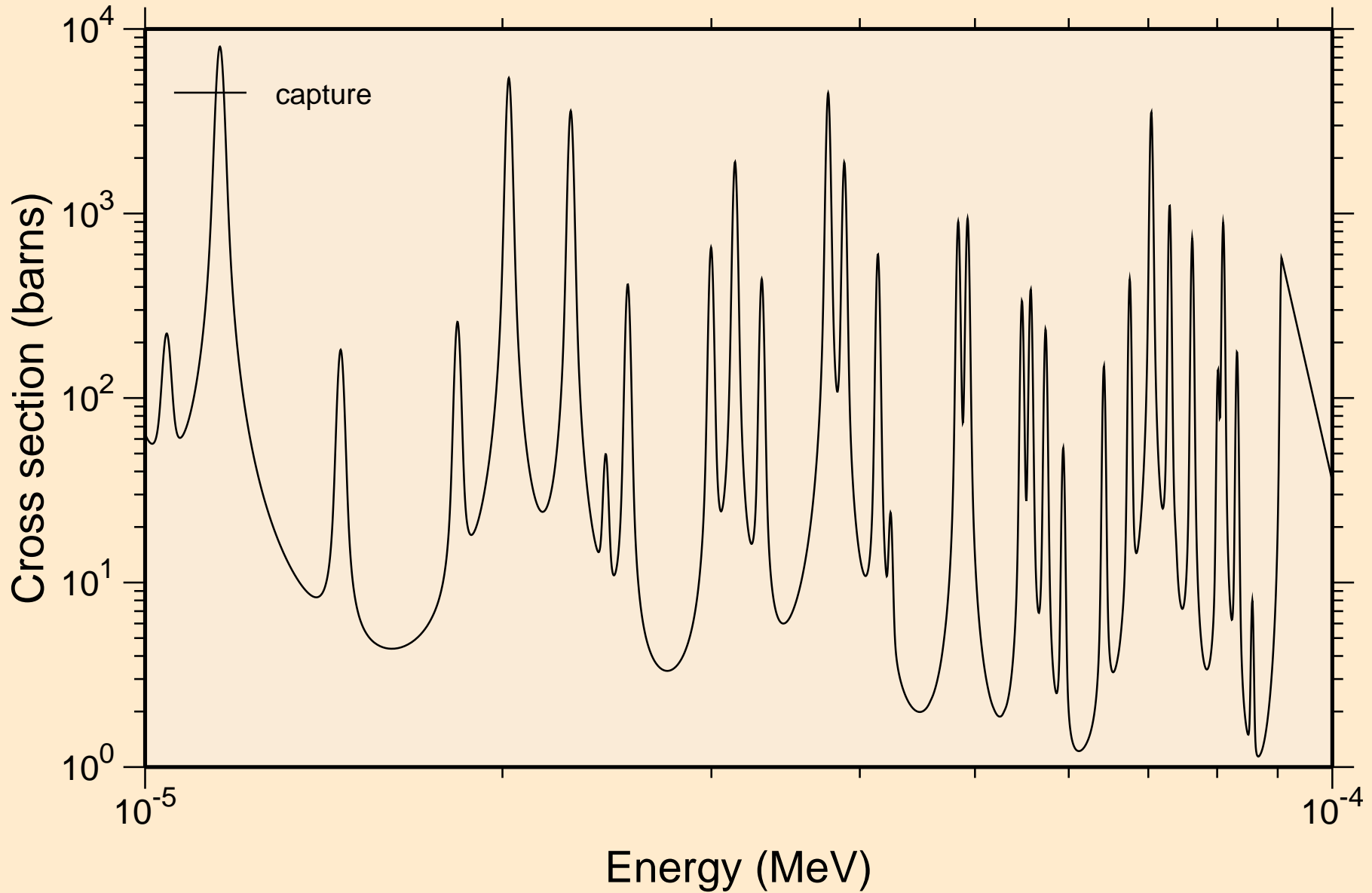
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



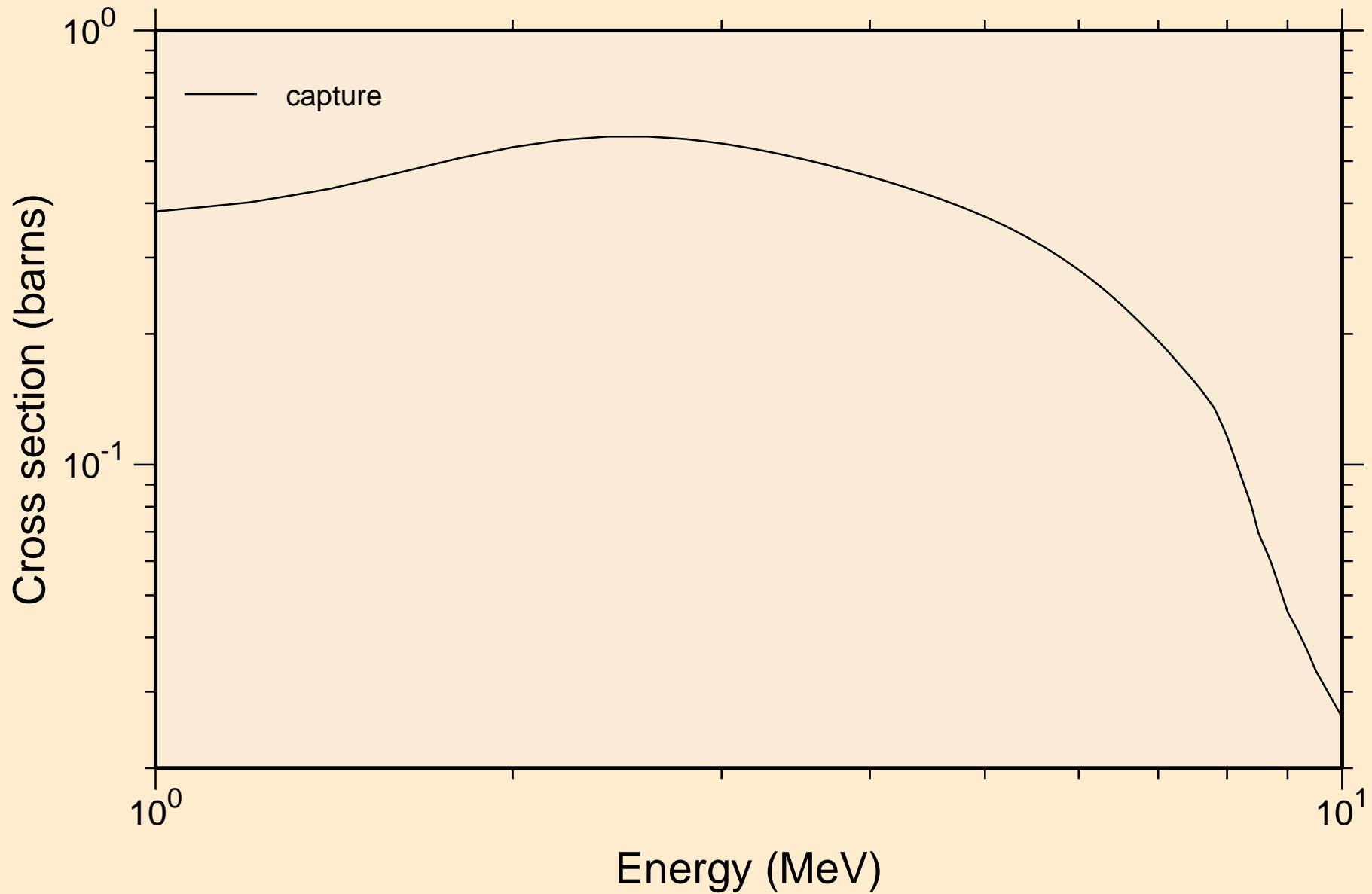
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

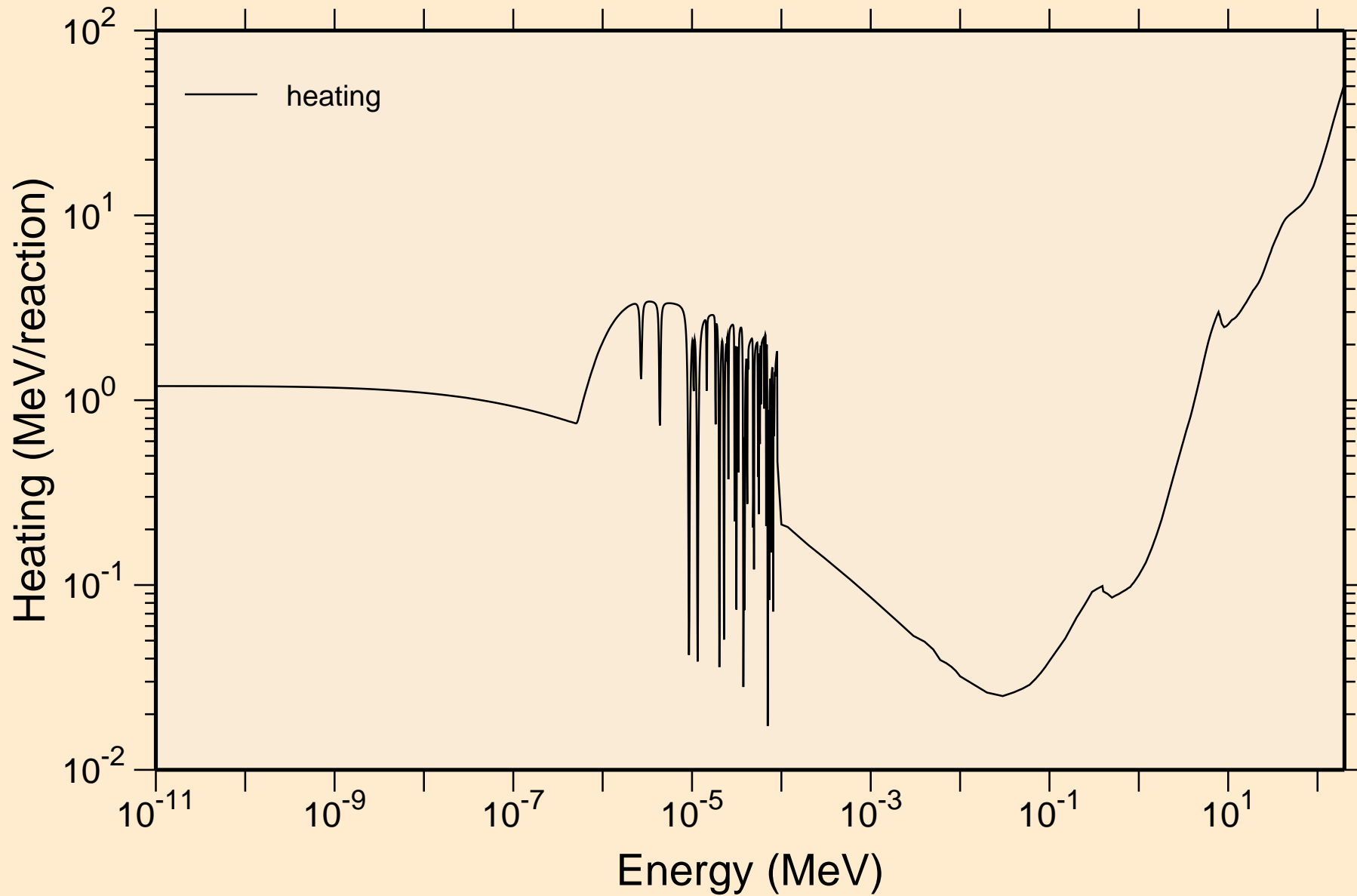


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

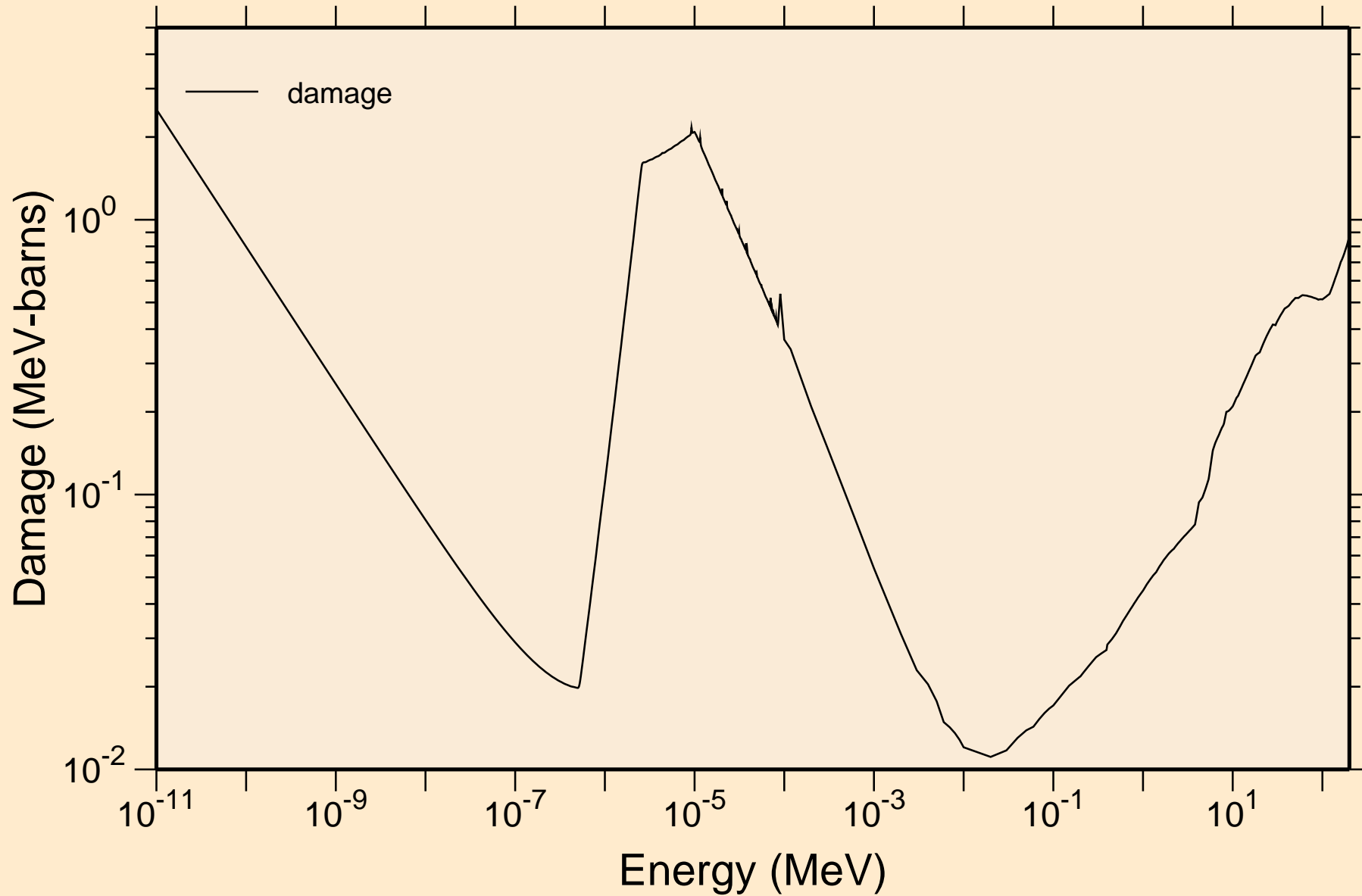


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating

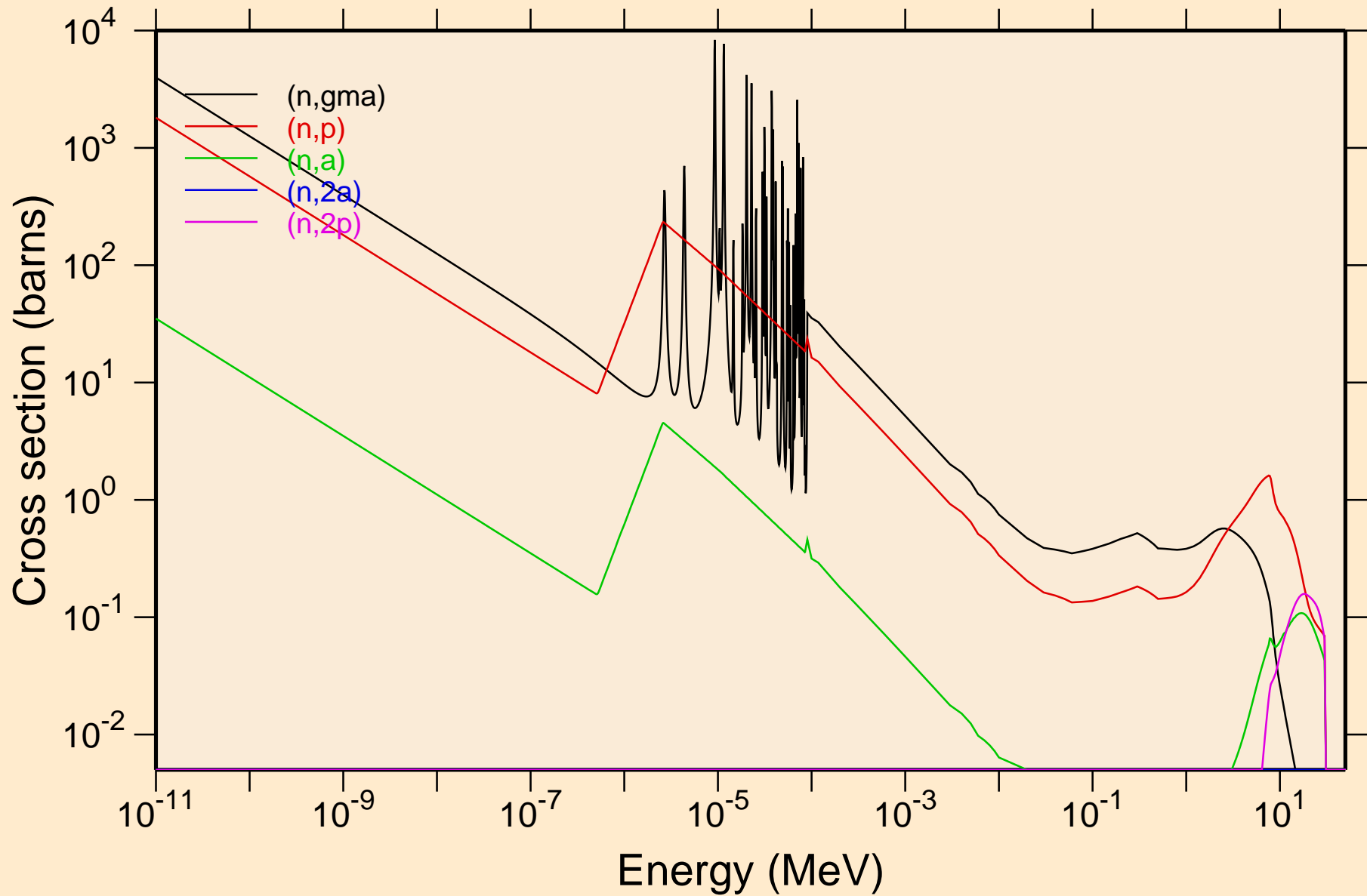


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



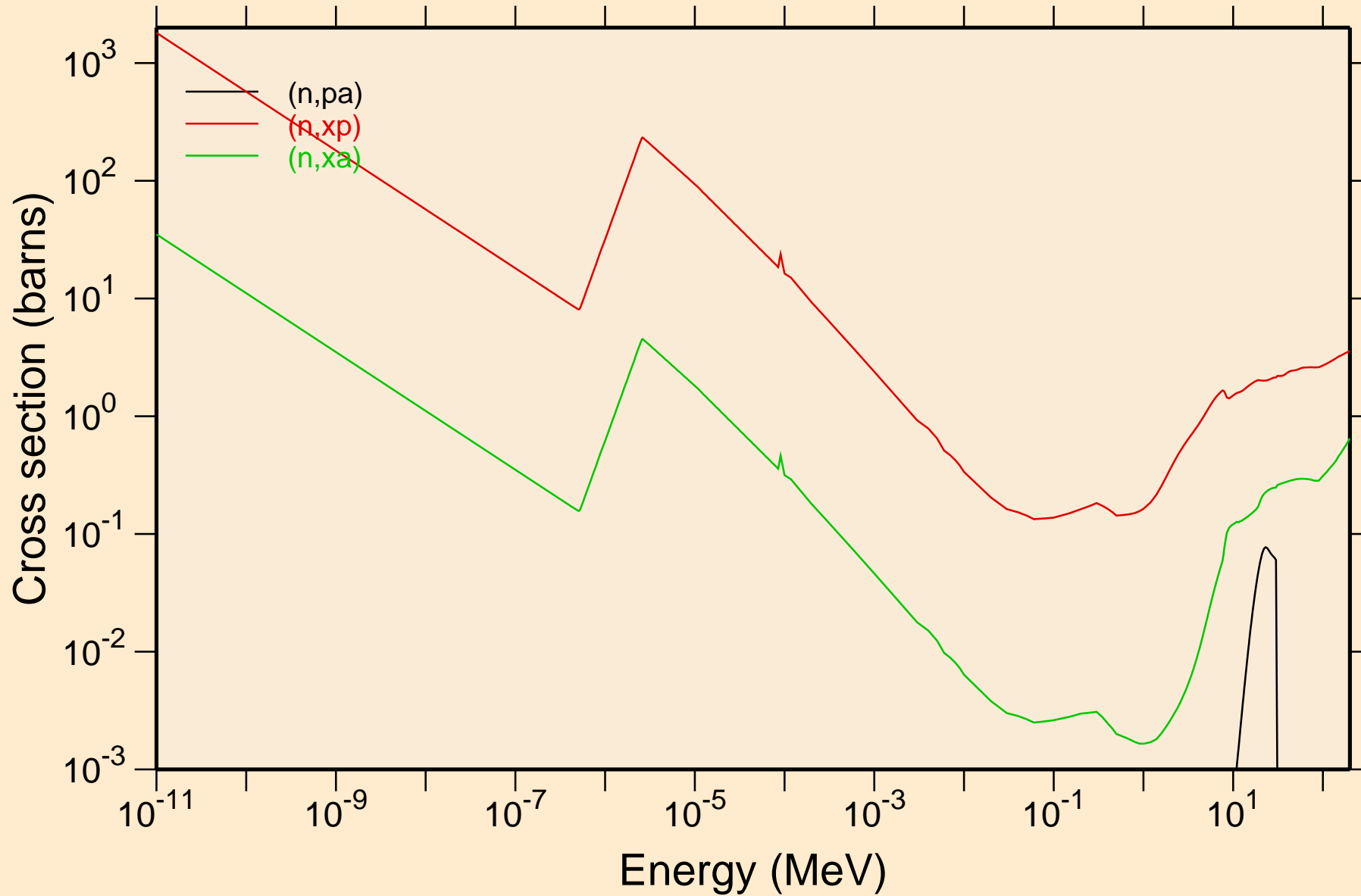
# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions



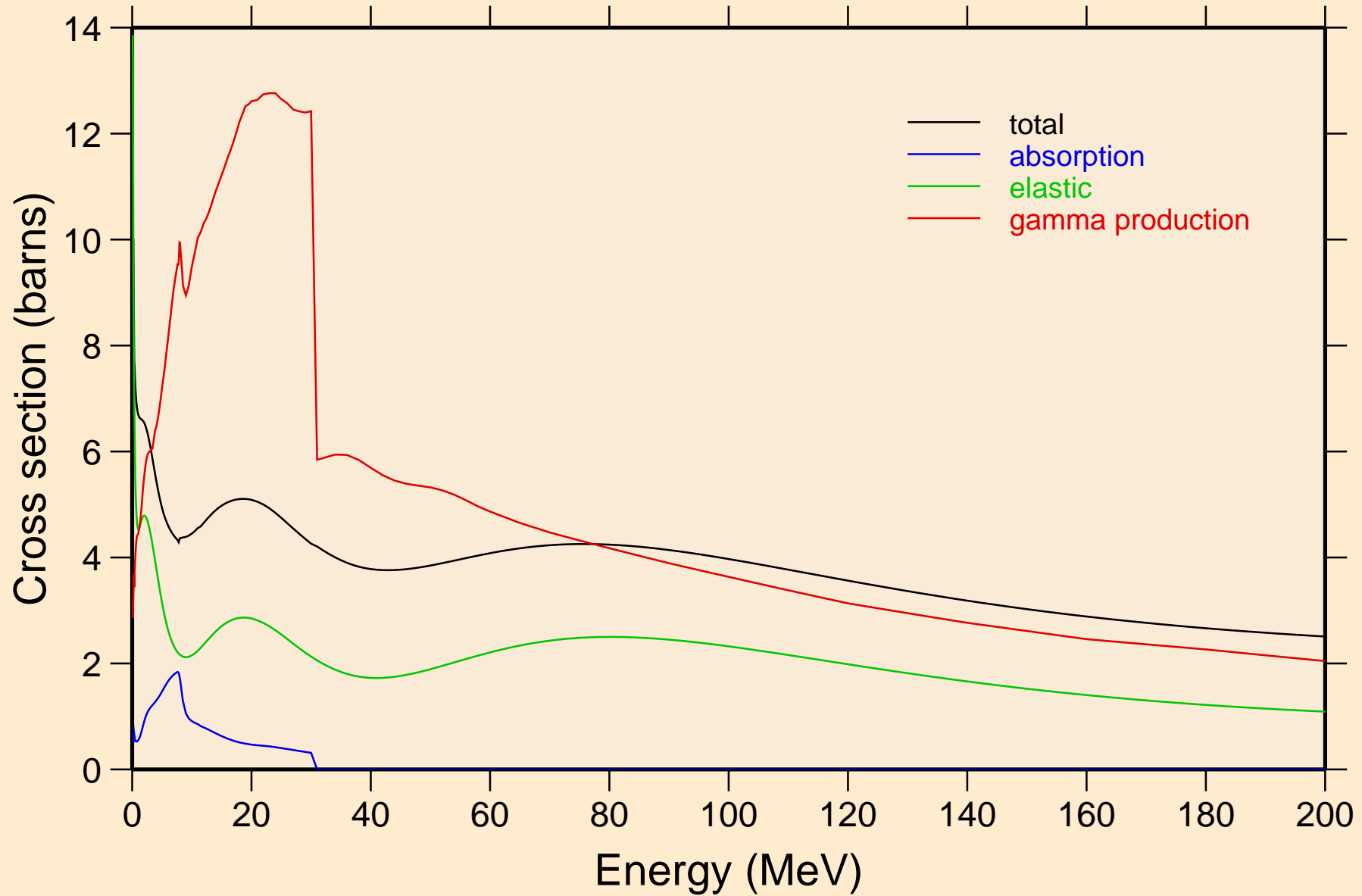
# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions



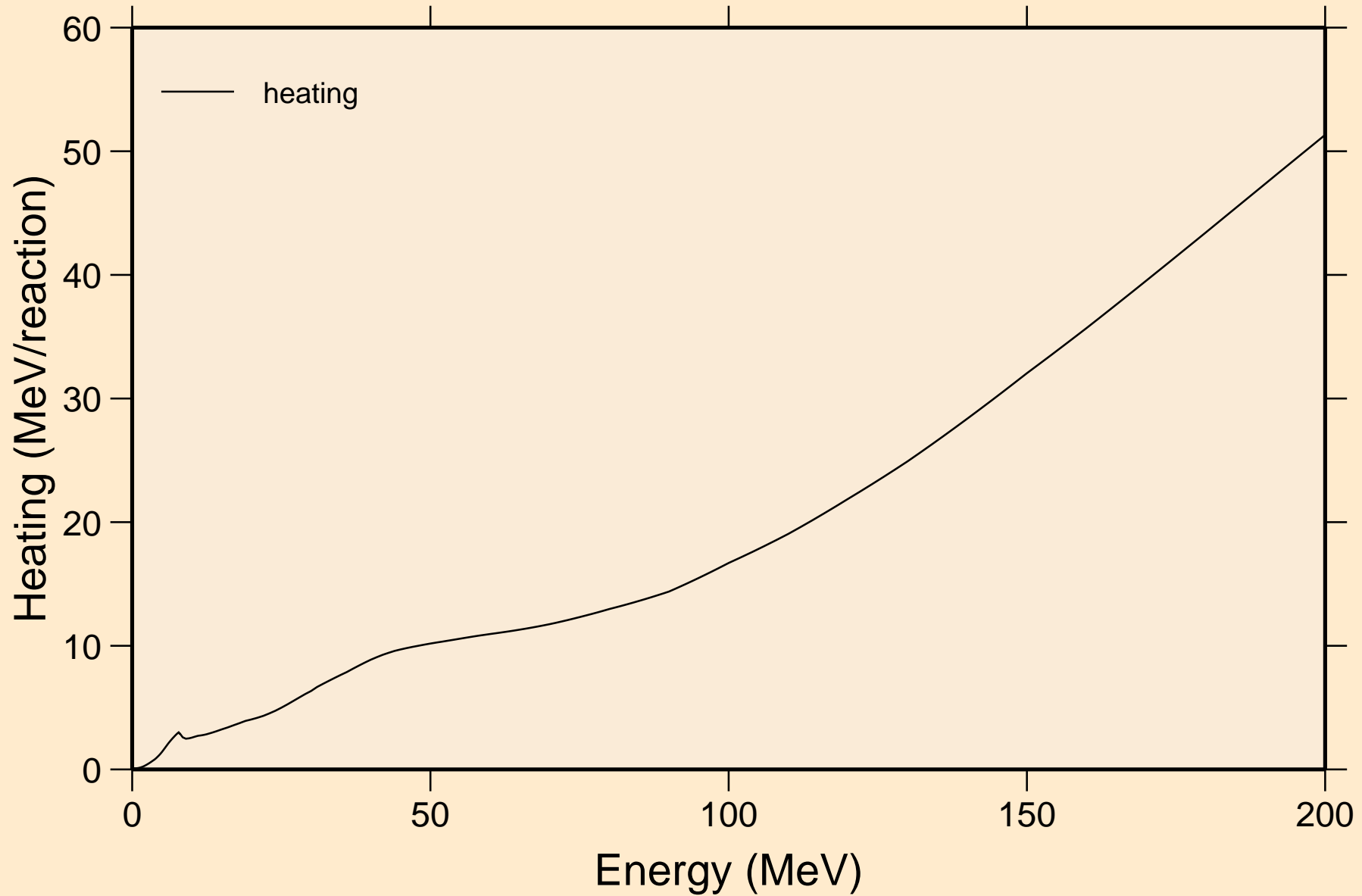
# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

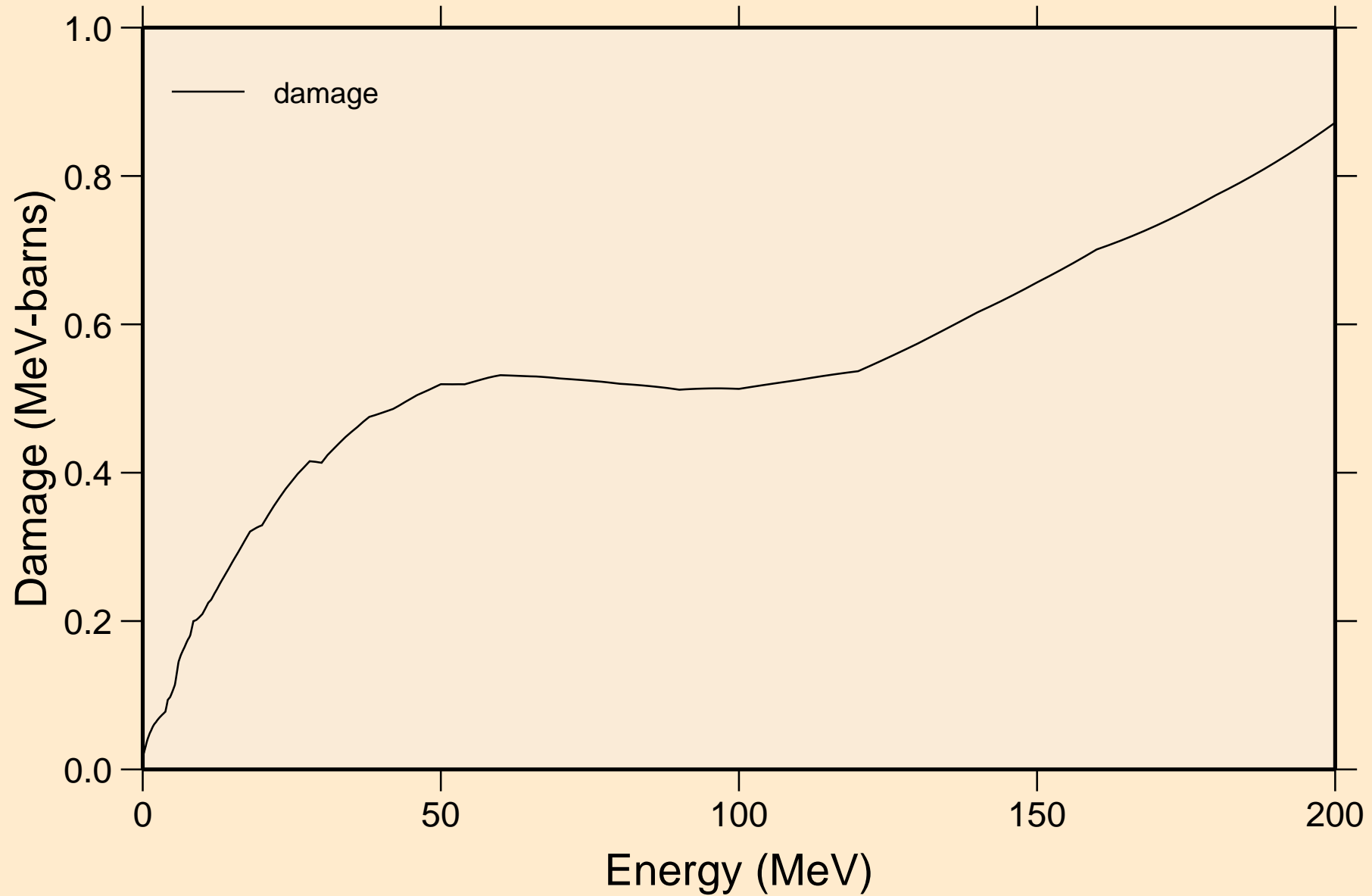


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating

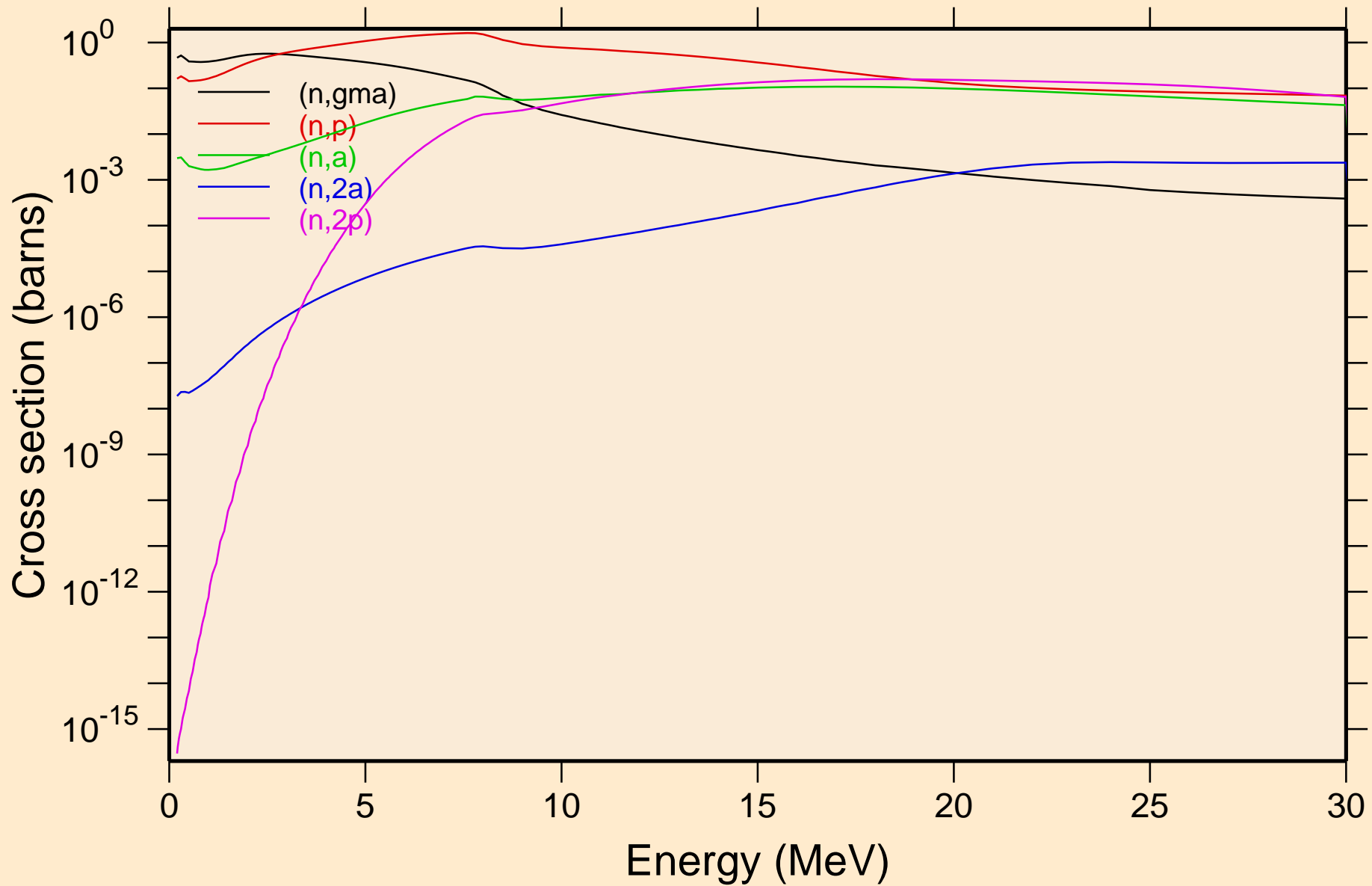


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

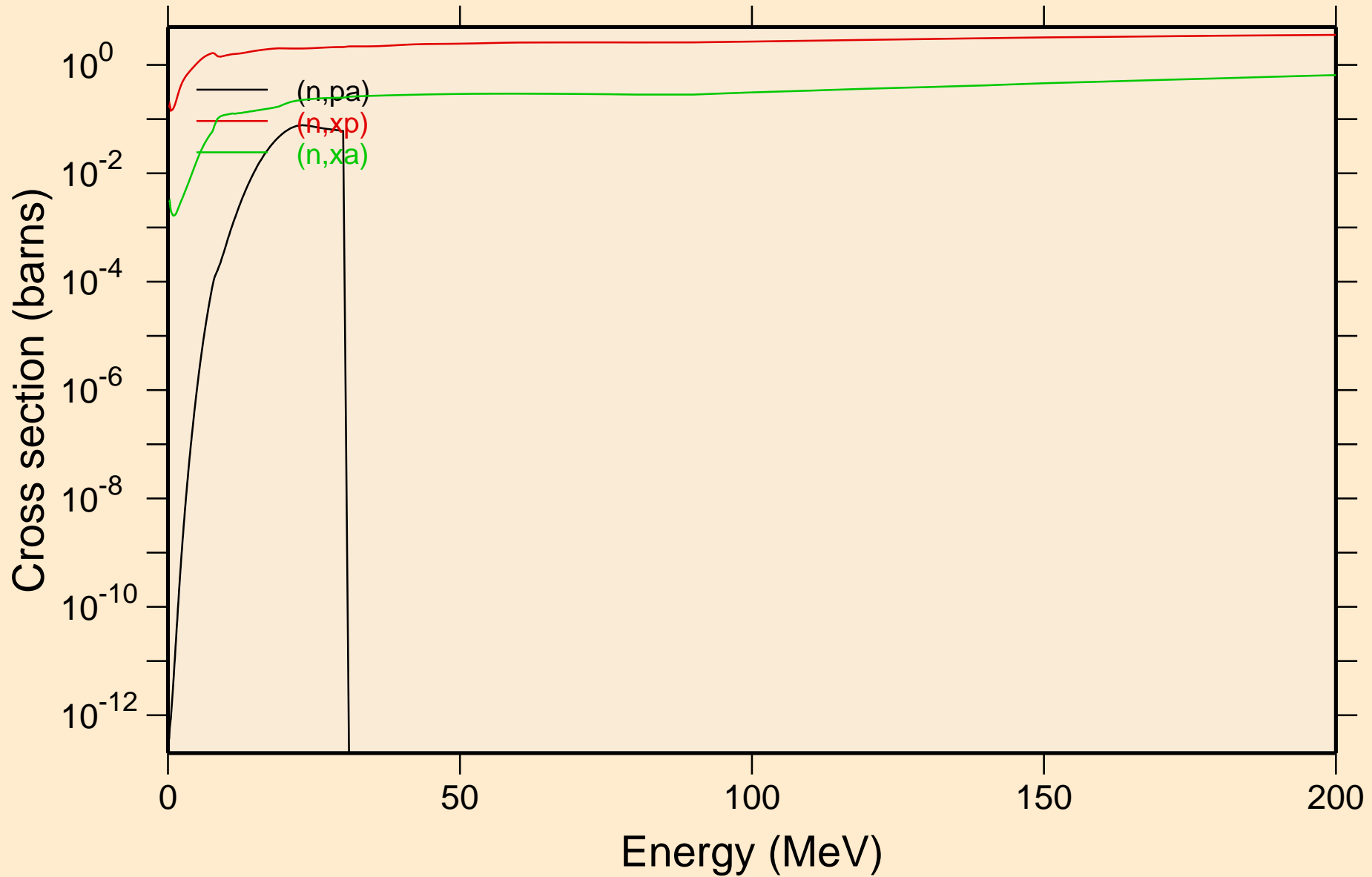


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

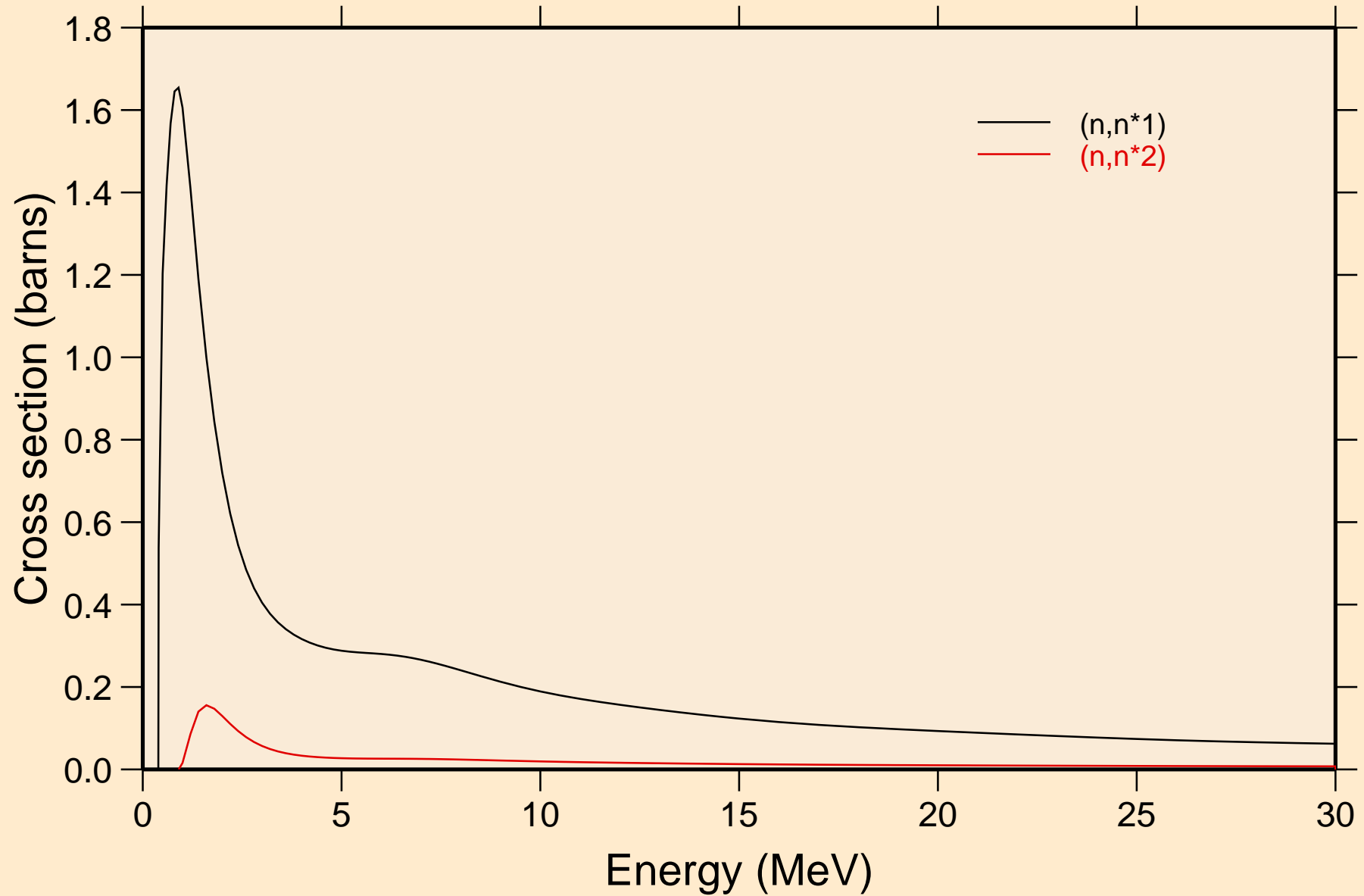
## Non-threshold reactions



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

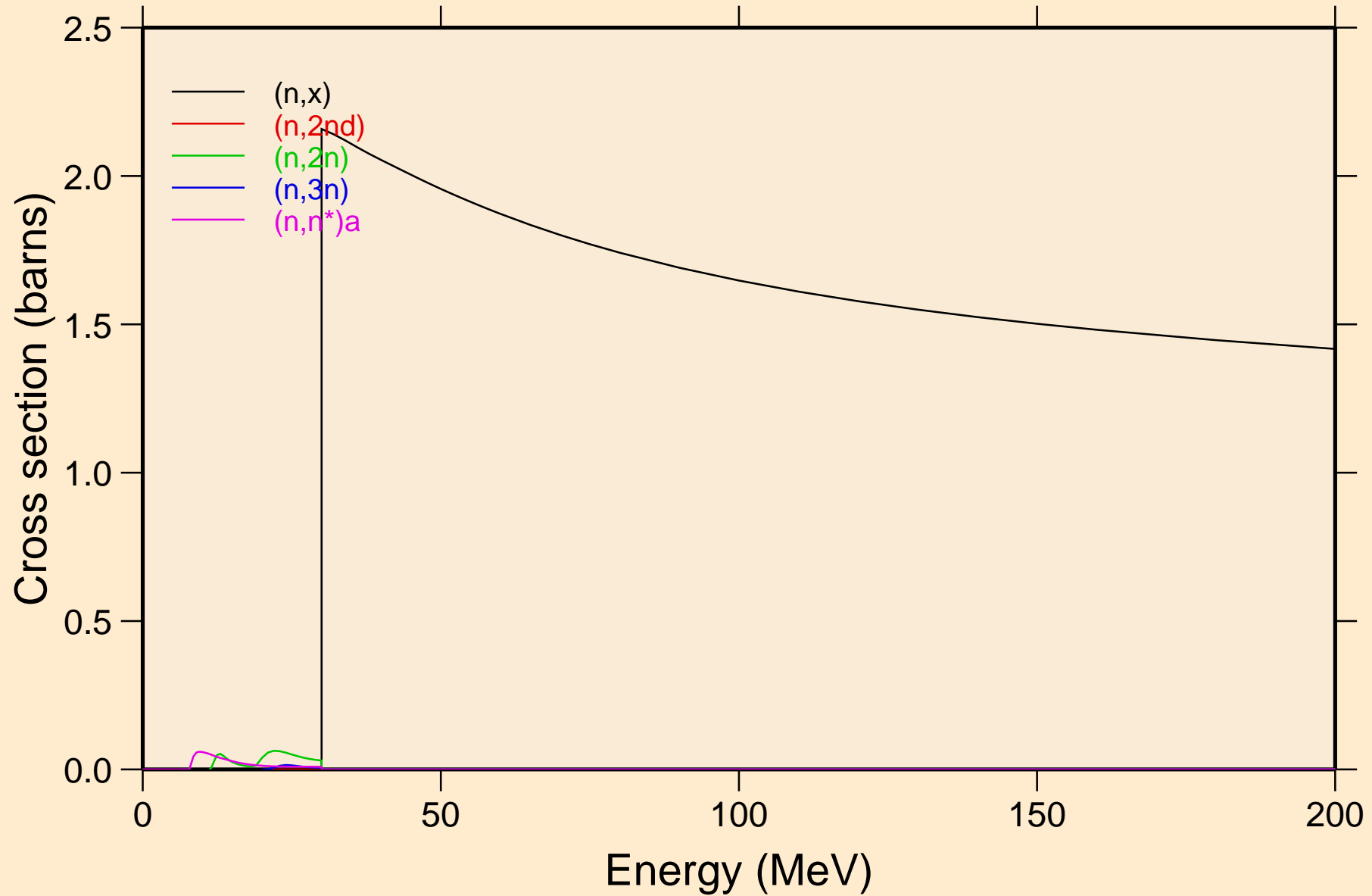


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



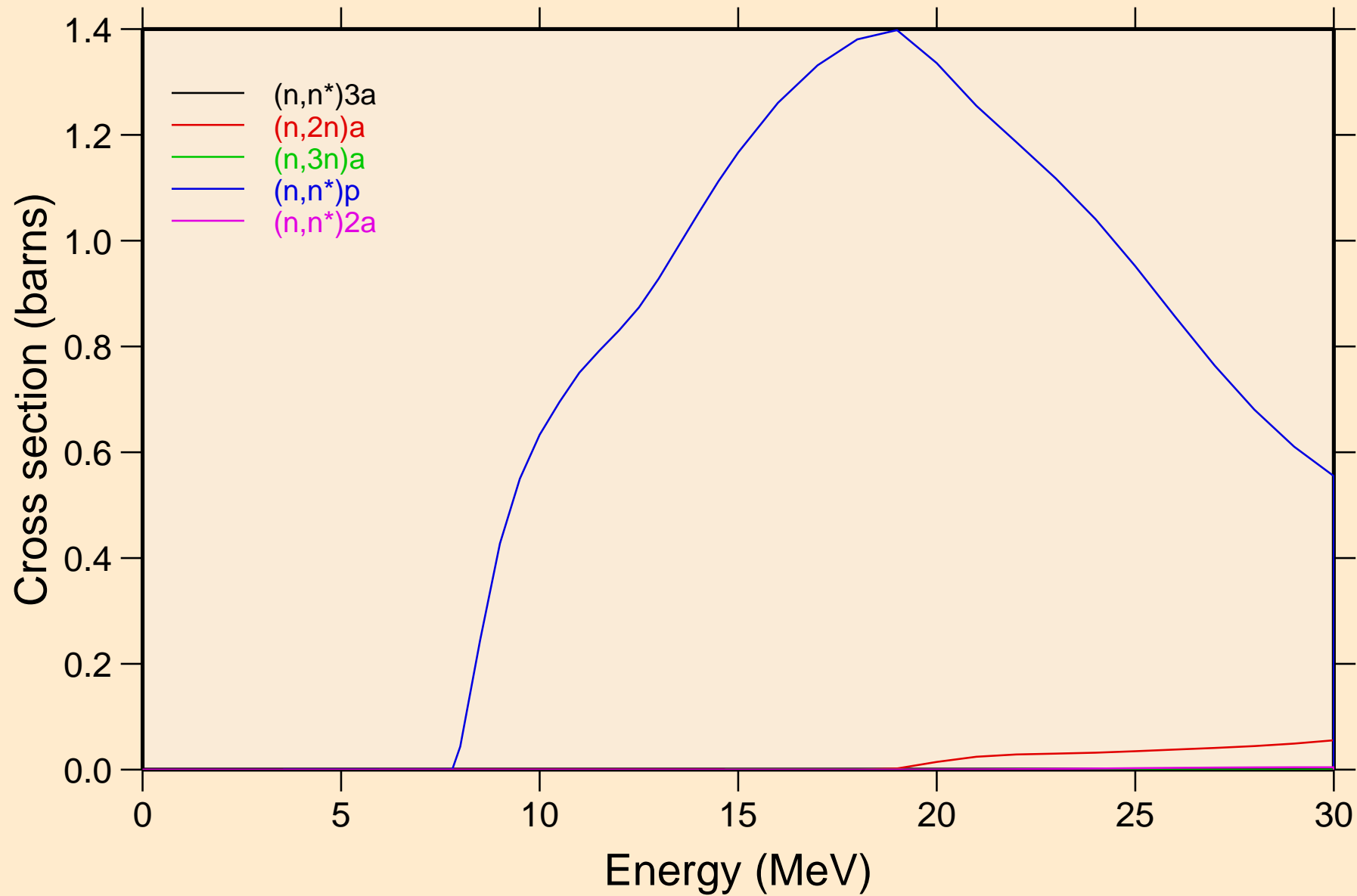
# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

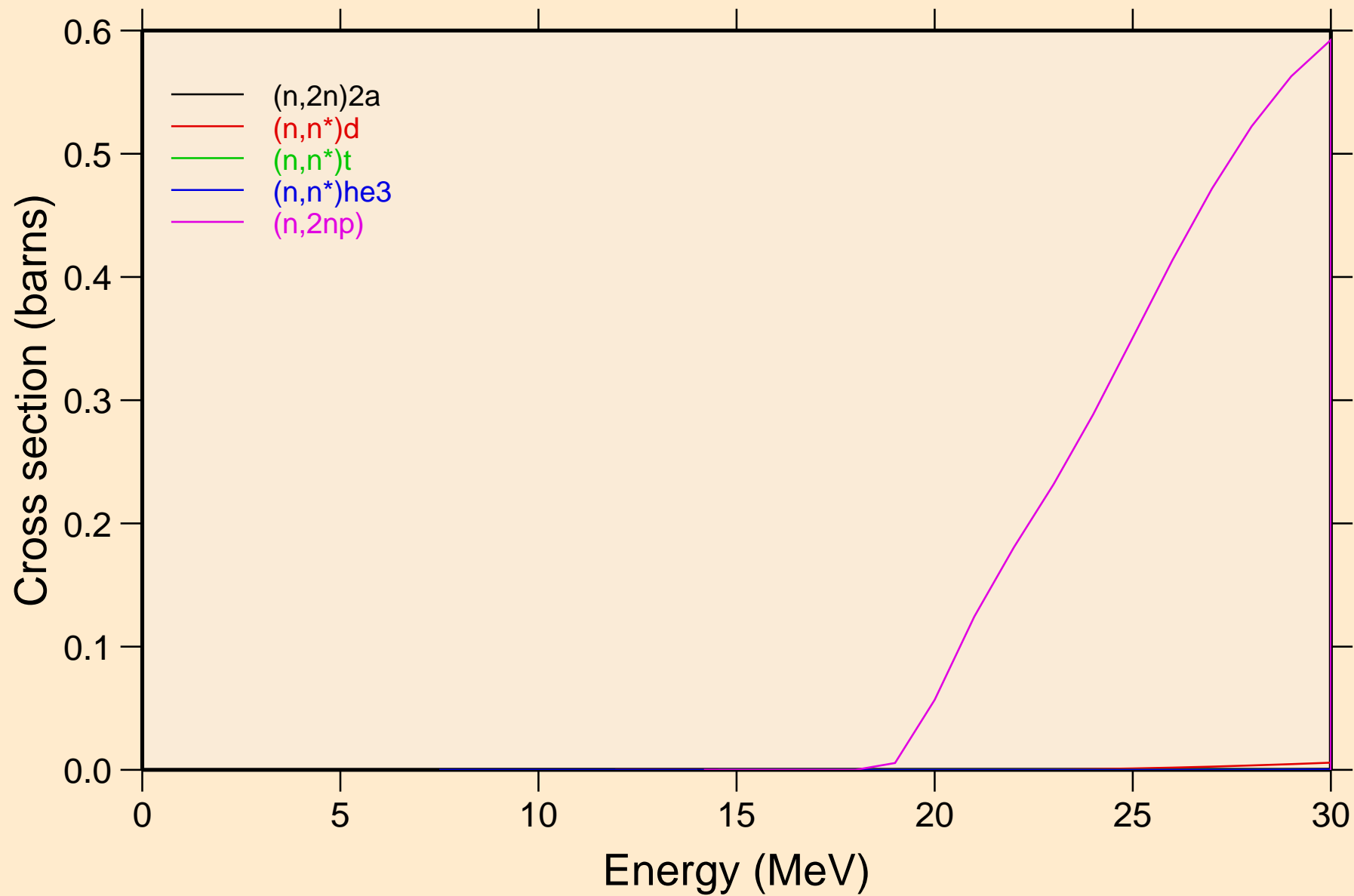


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

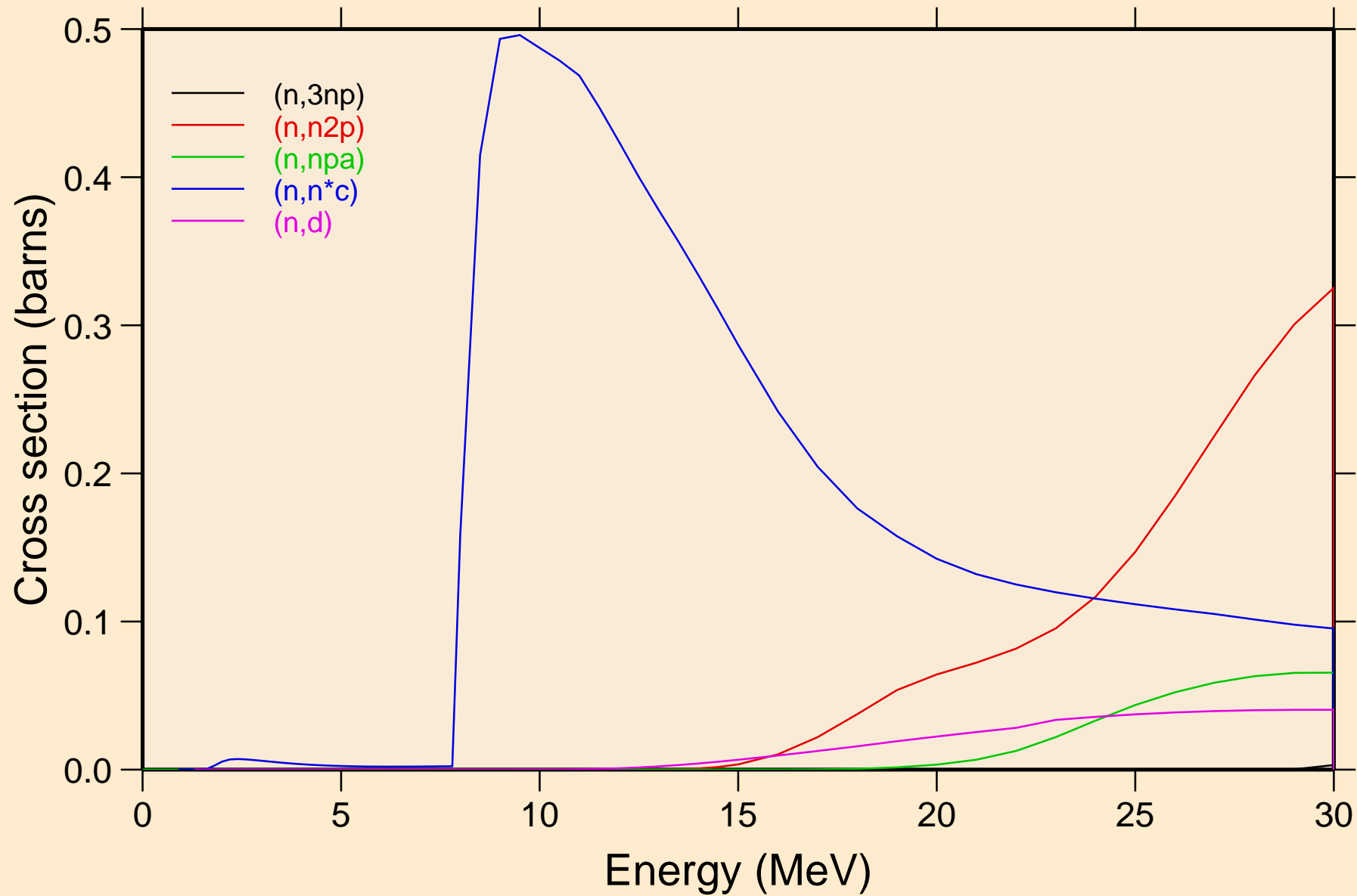


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

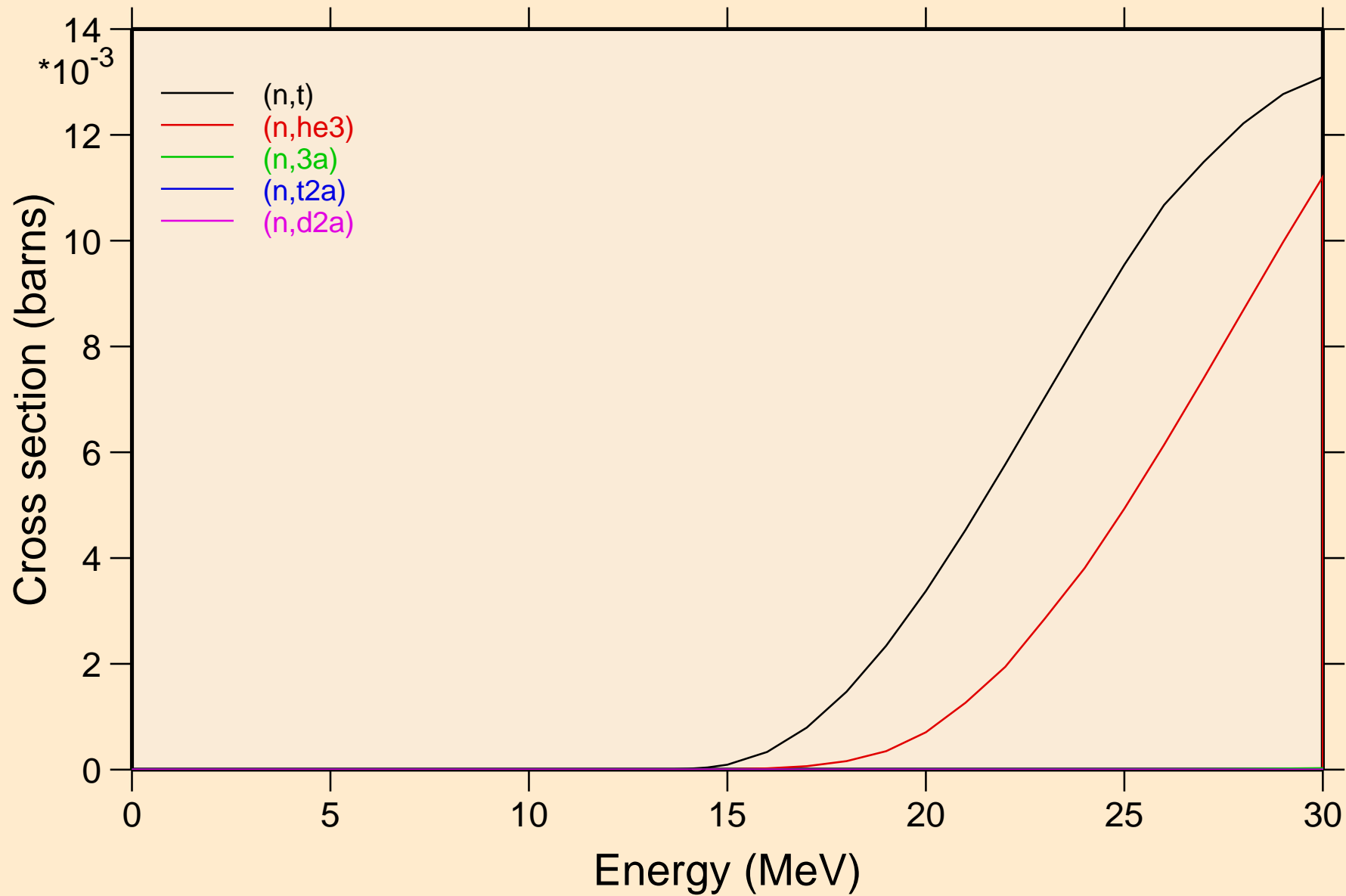


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

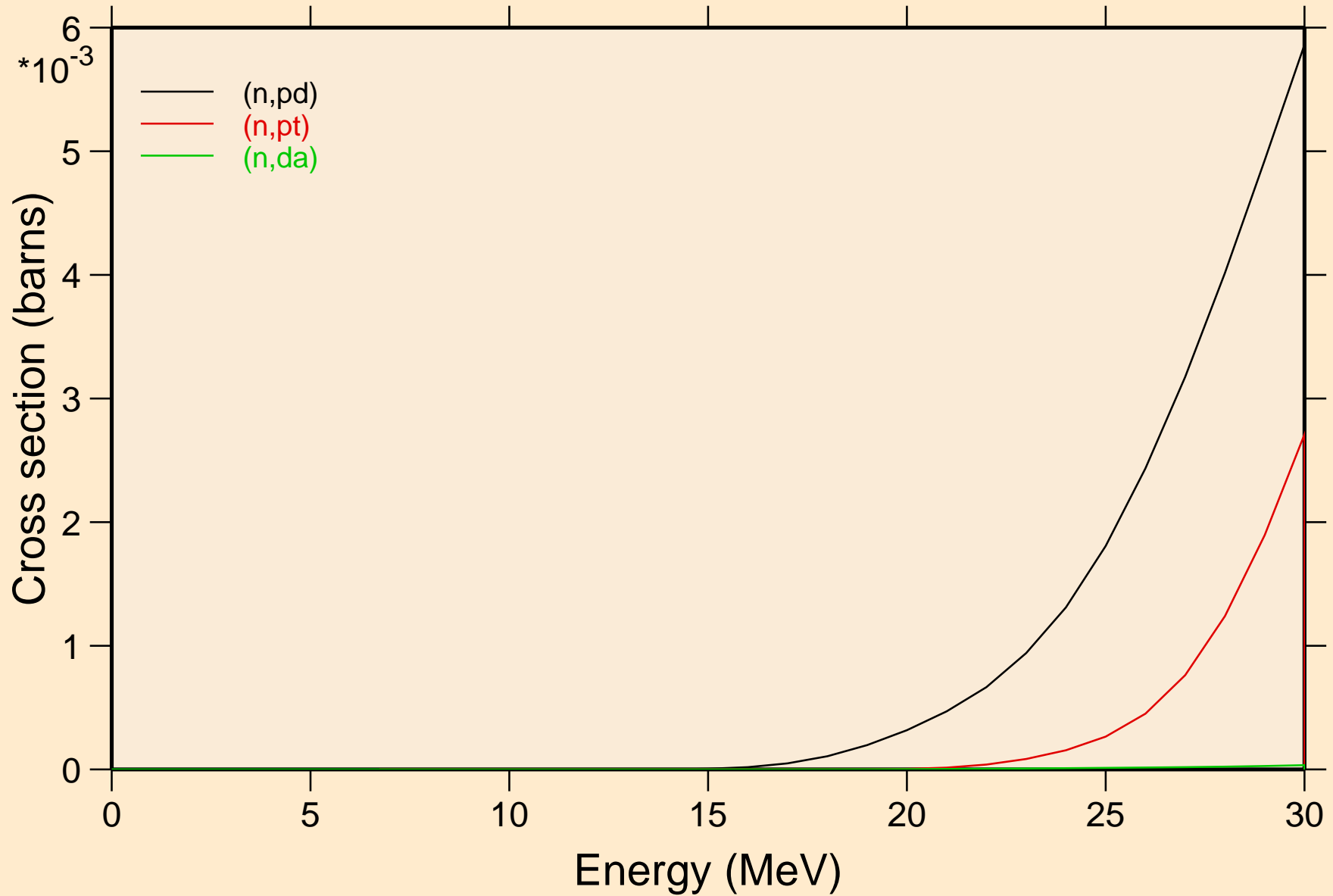


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



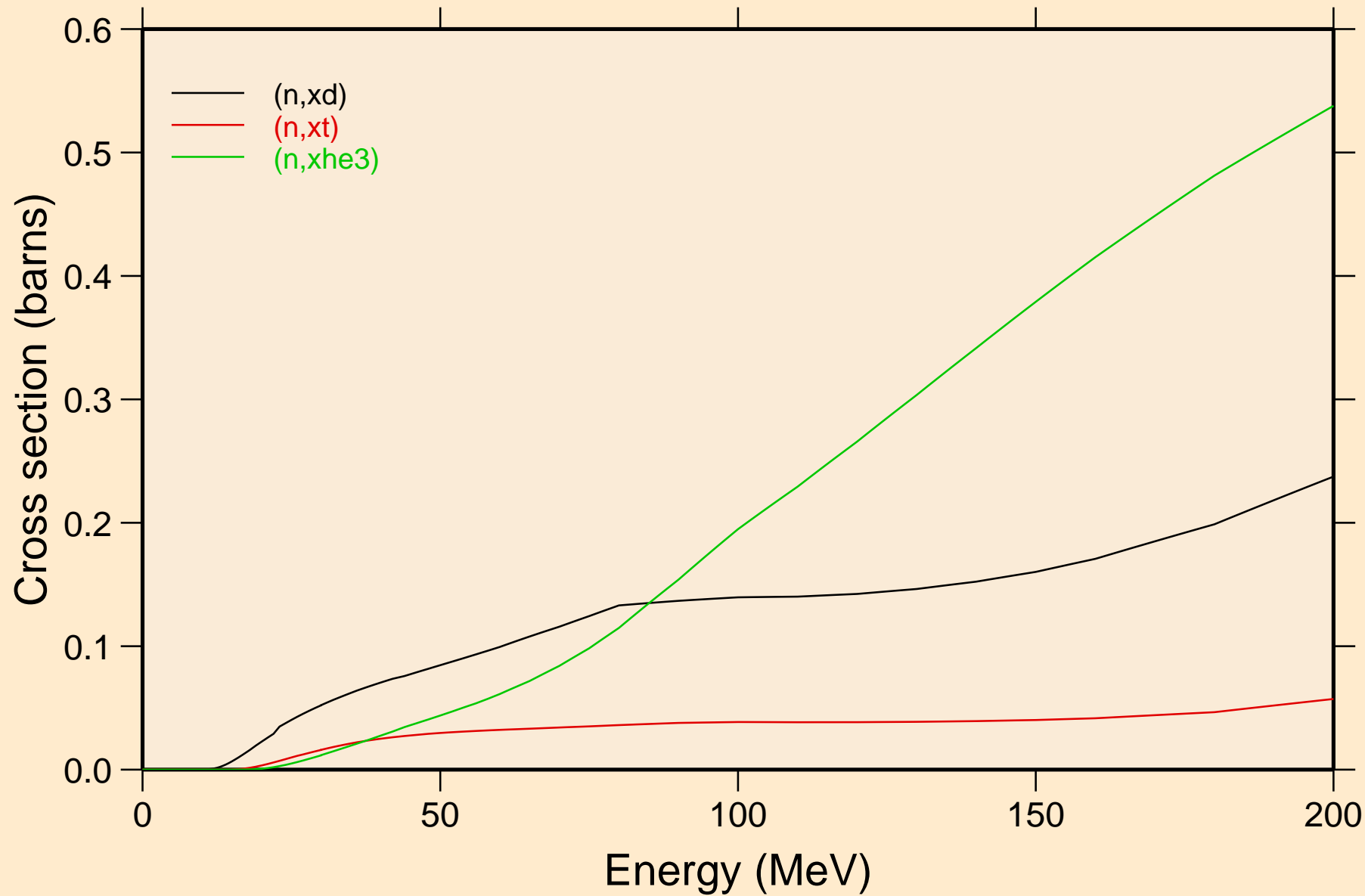
# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

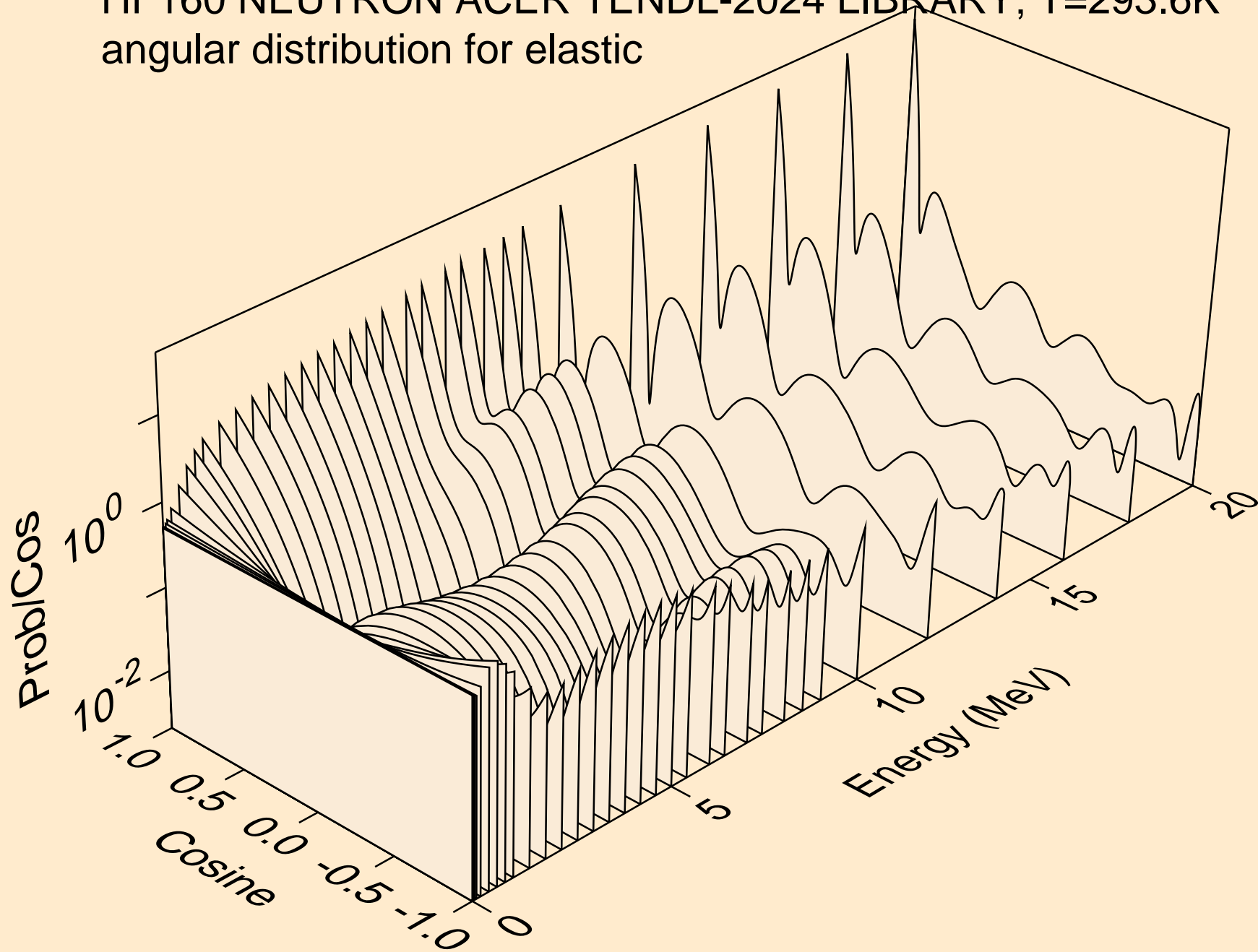


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

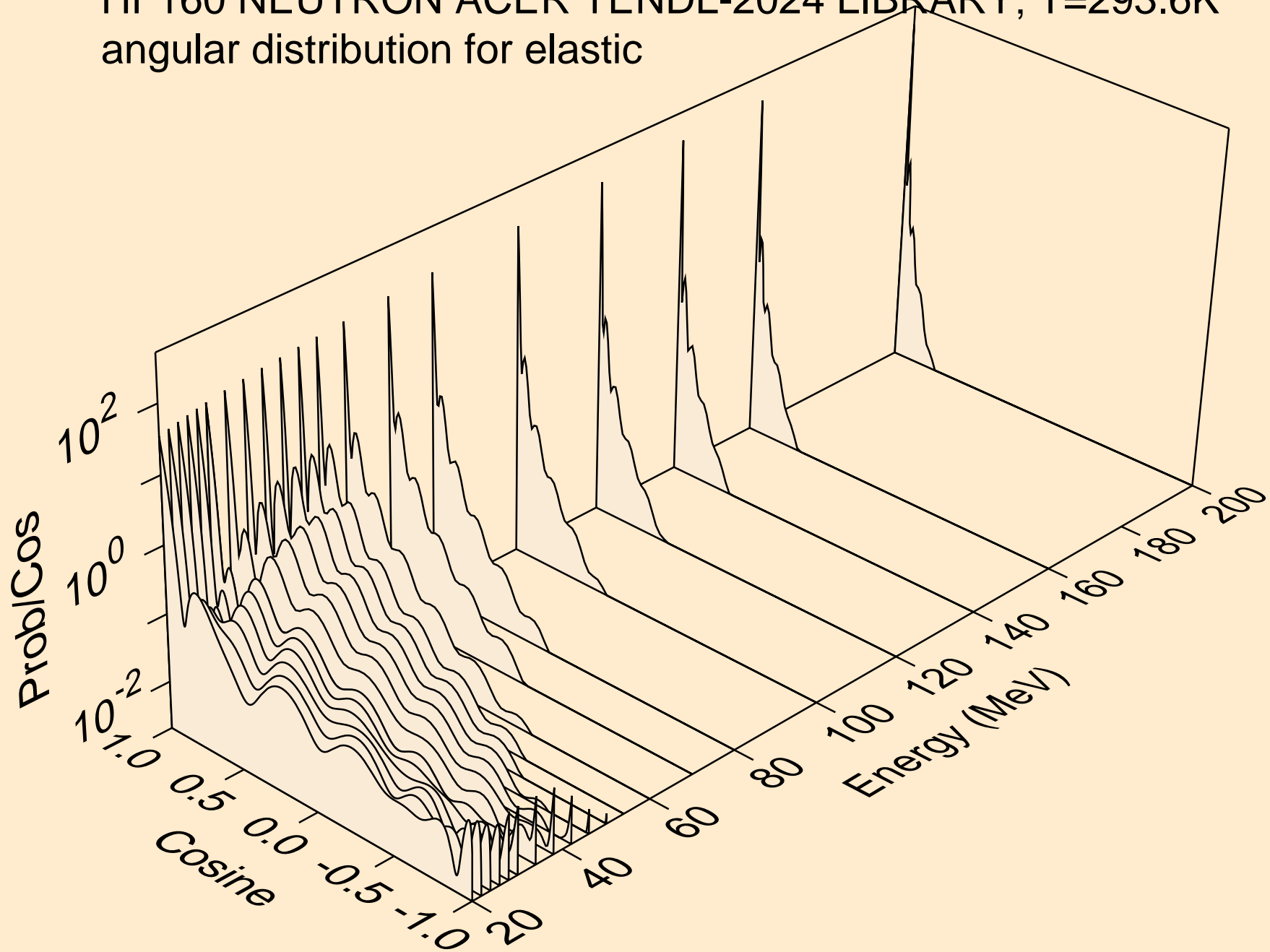
## Threshold reactions



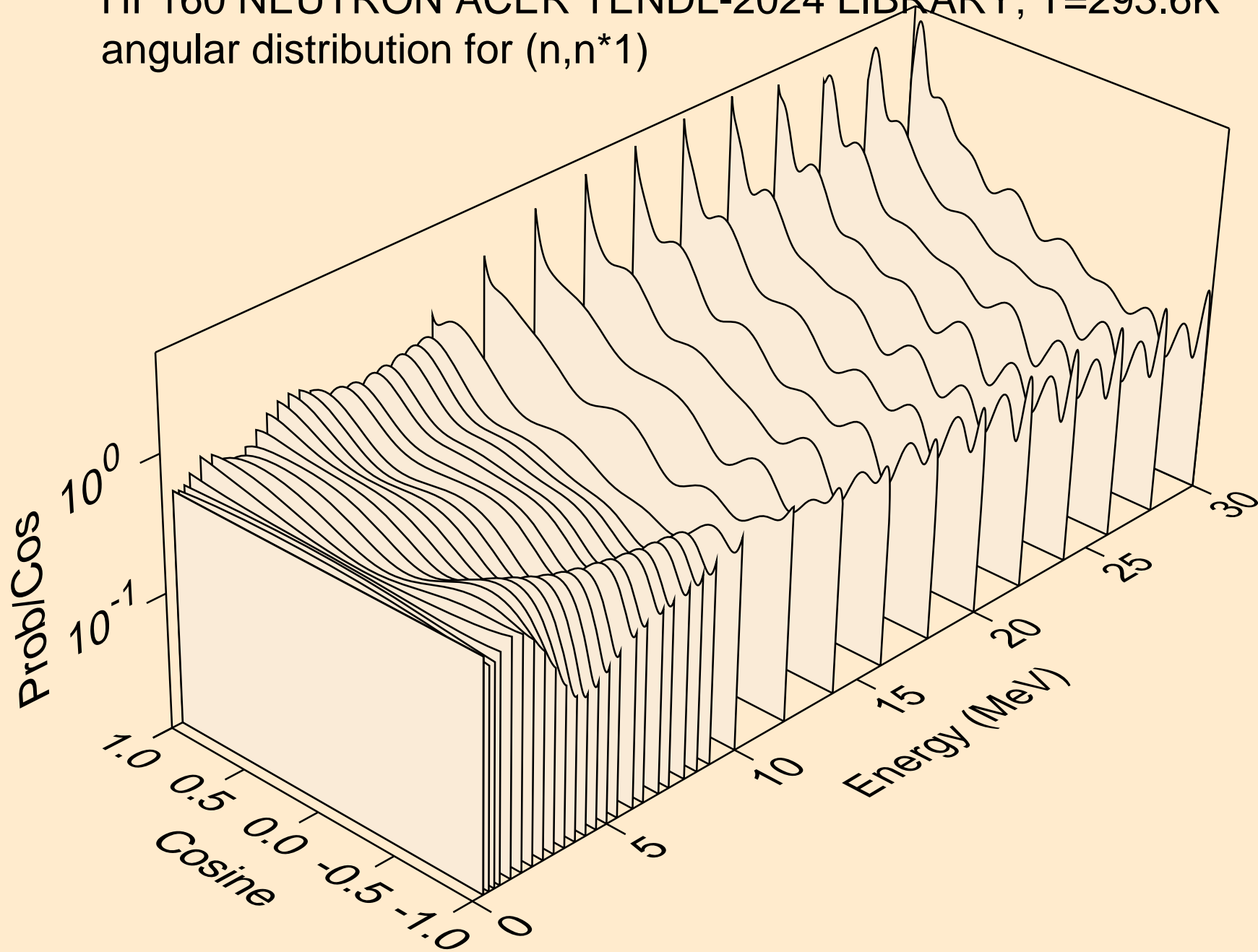
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



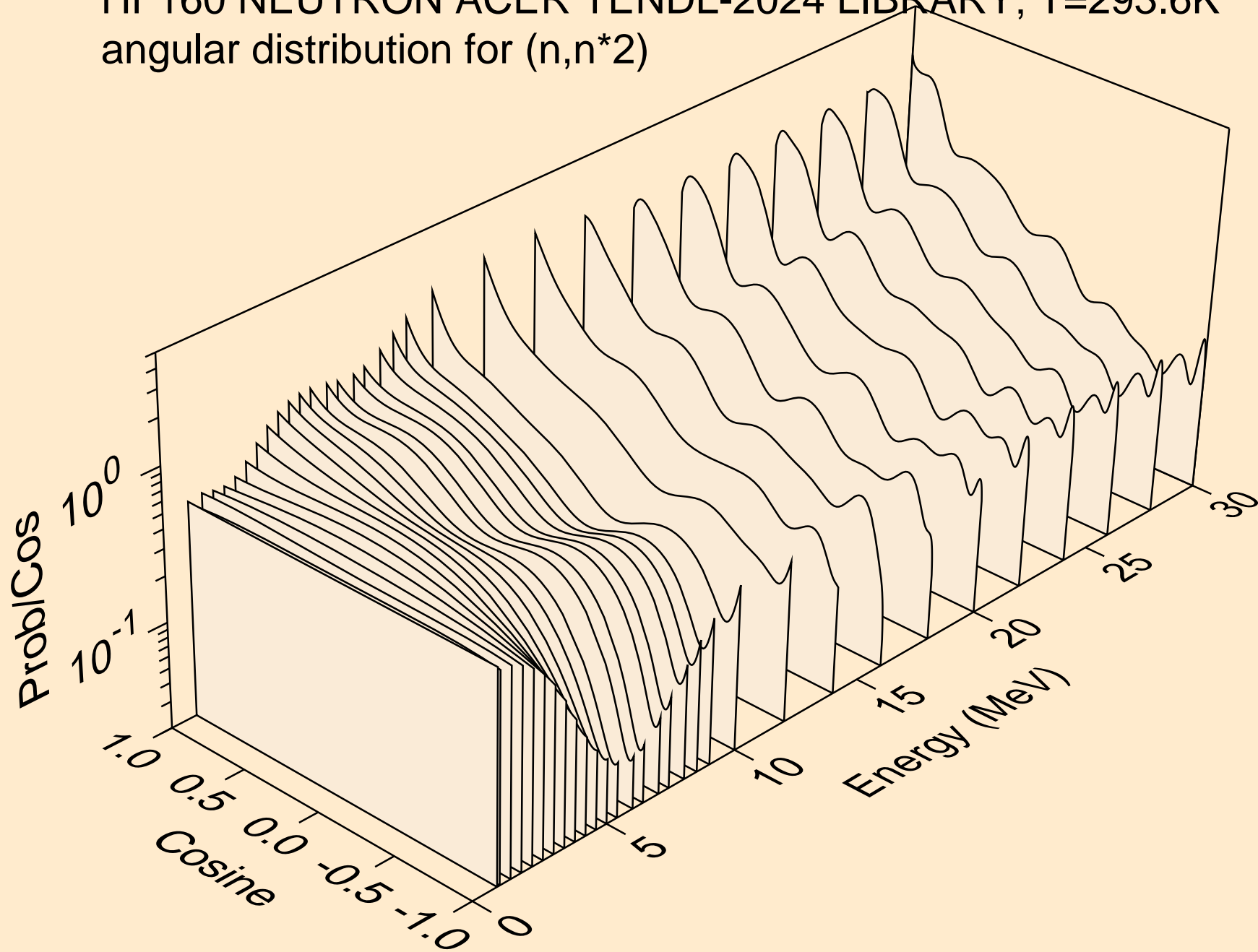
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



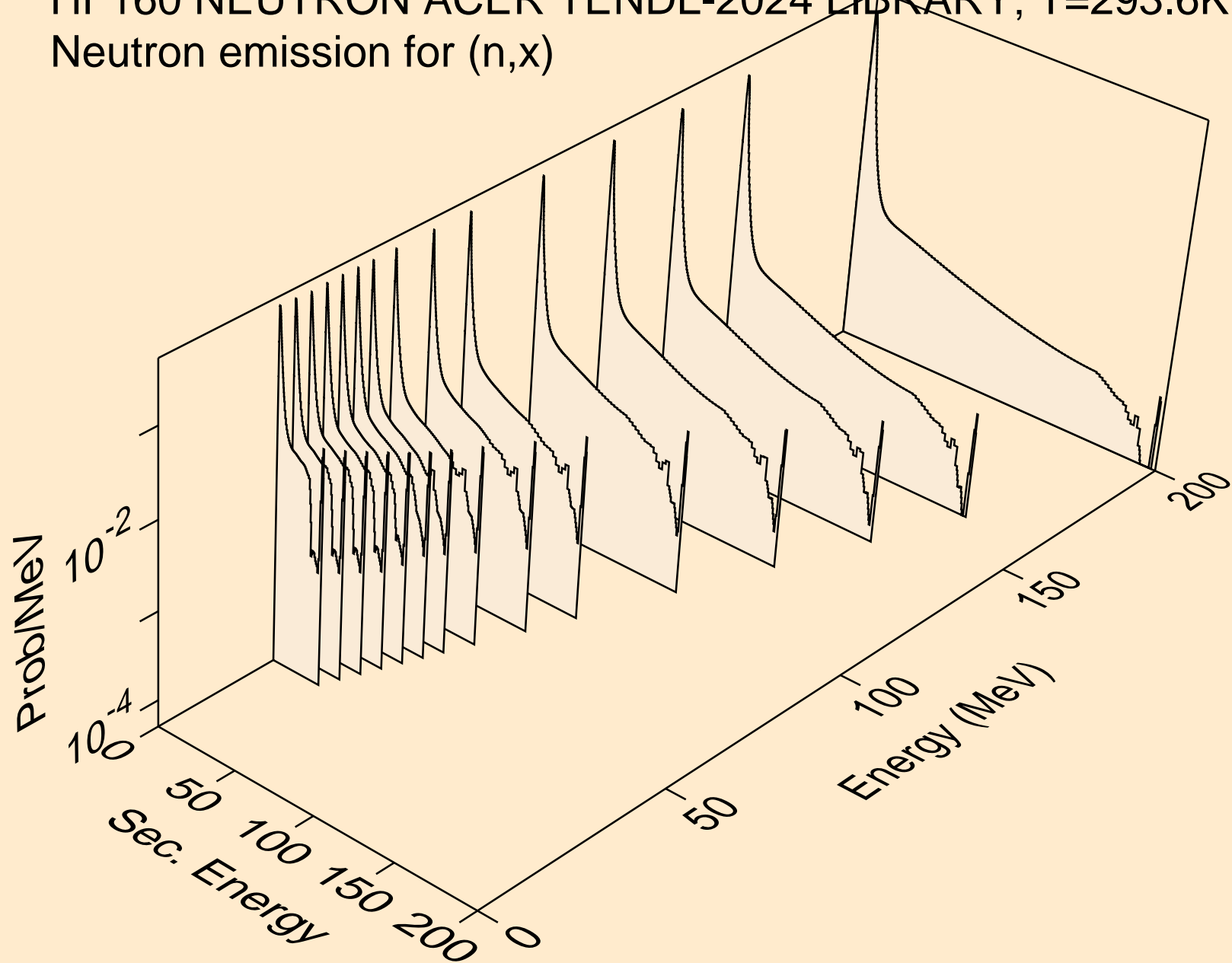
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



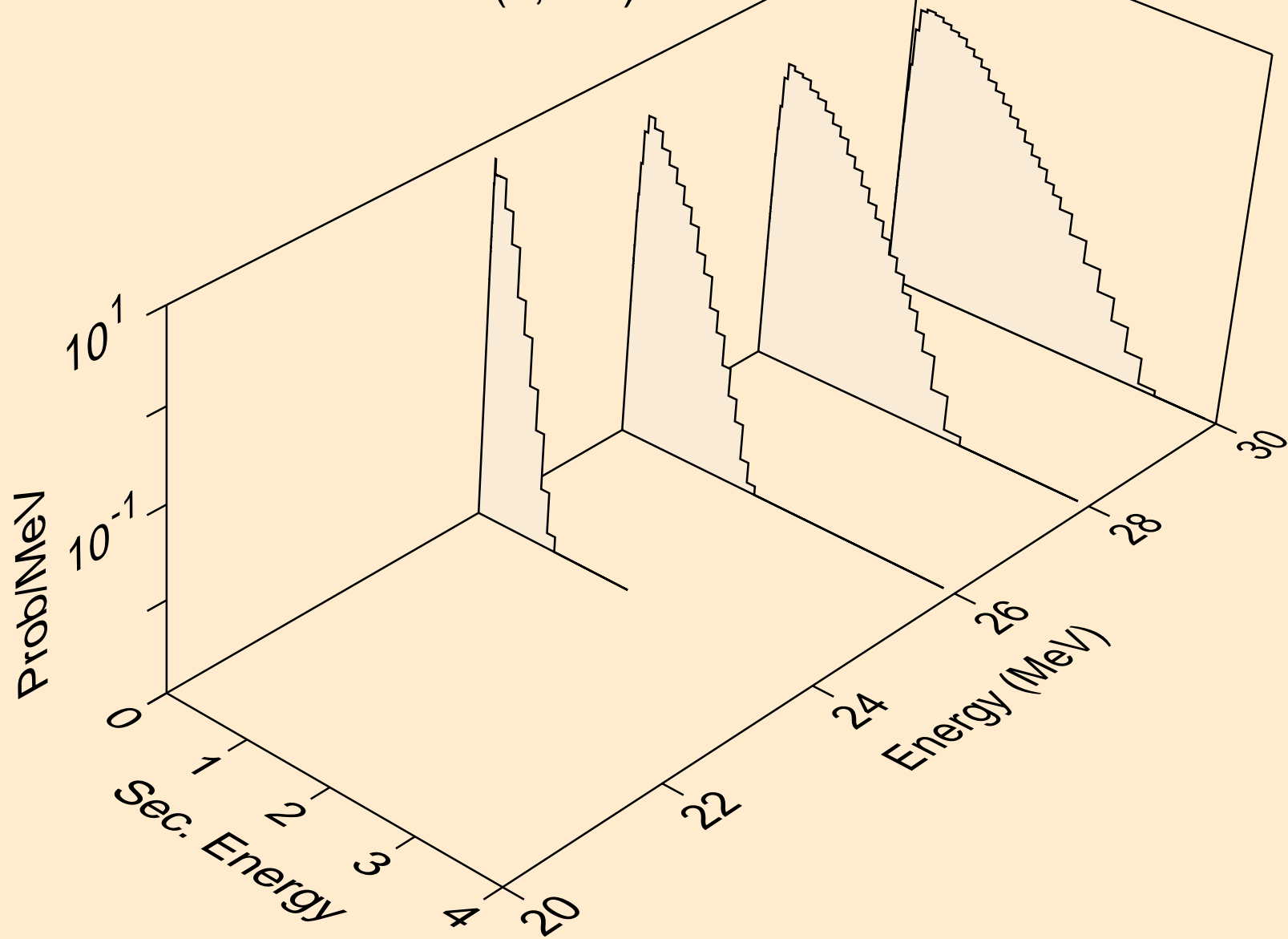
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



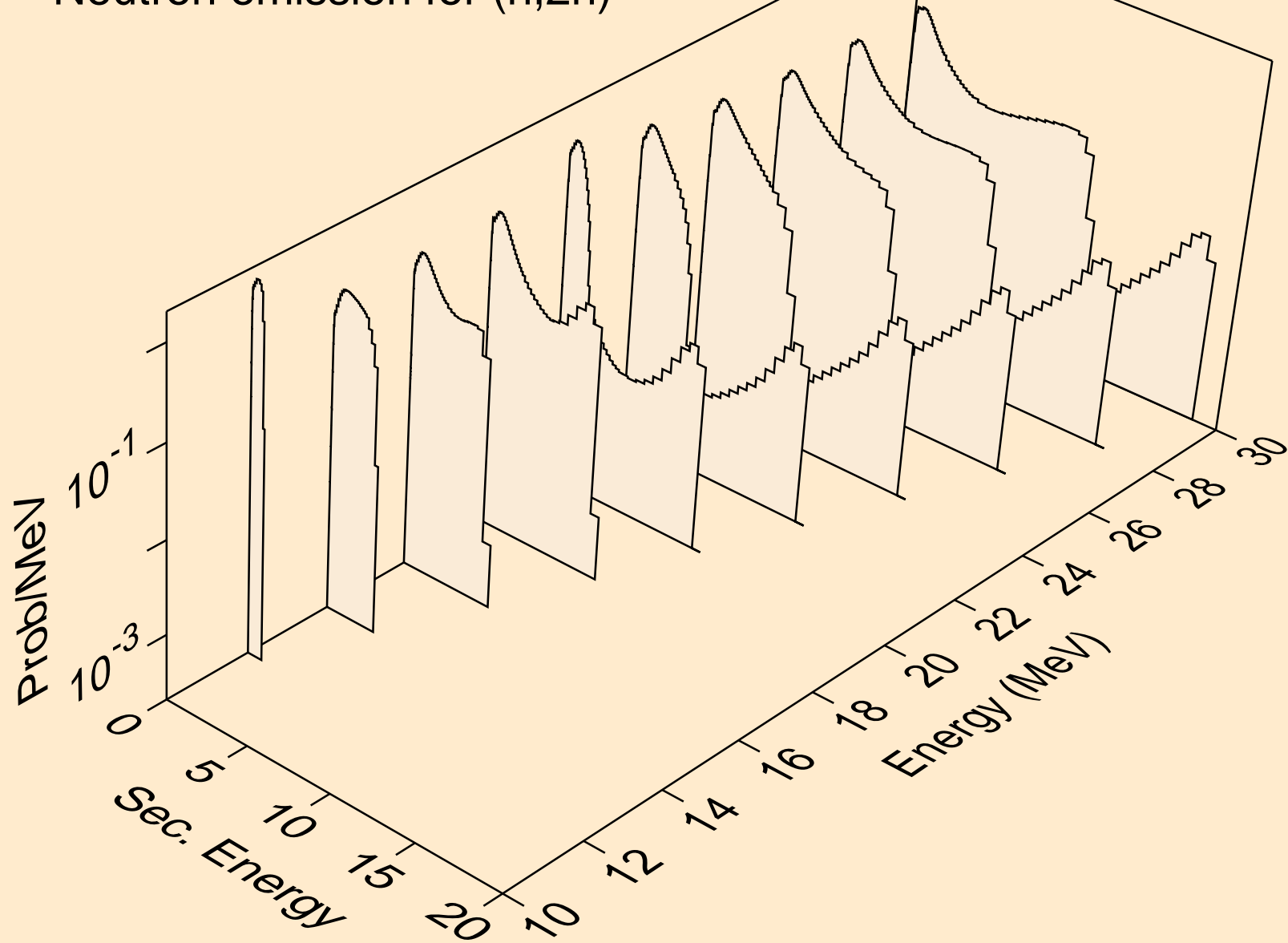
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



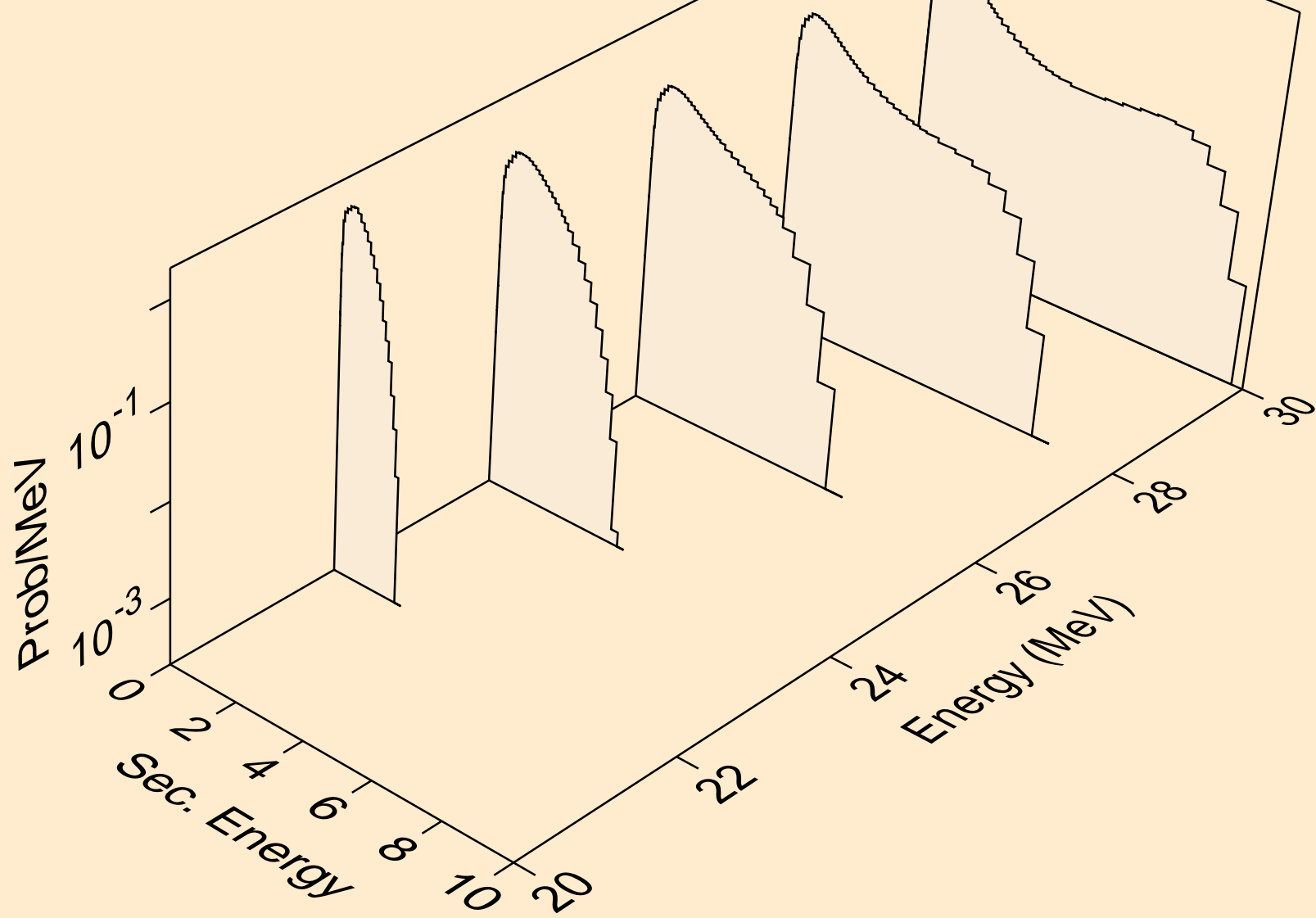
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Neutron emission for (n,2nd)



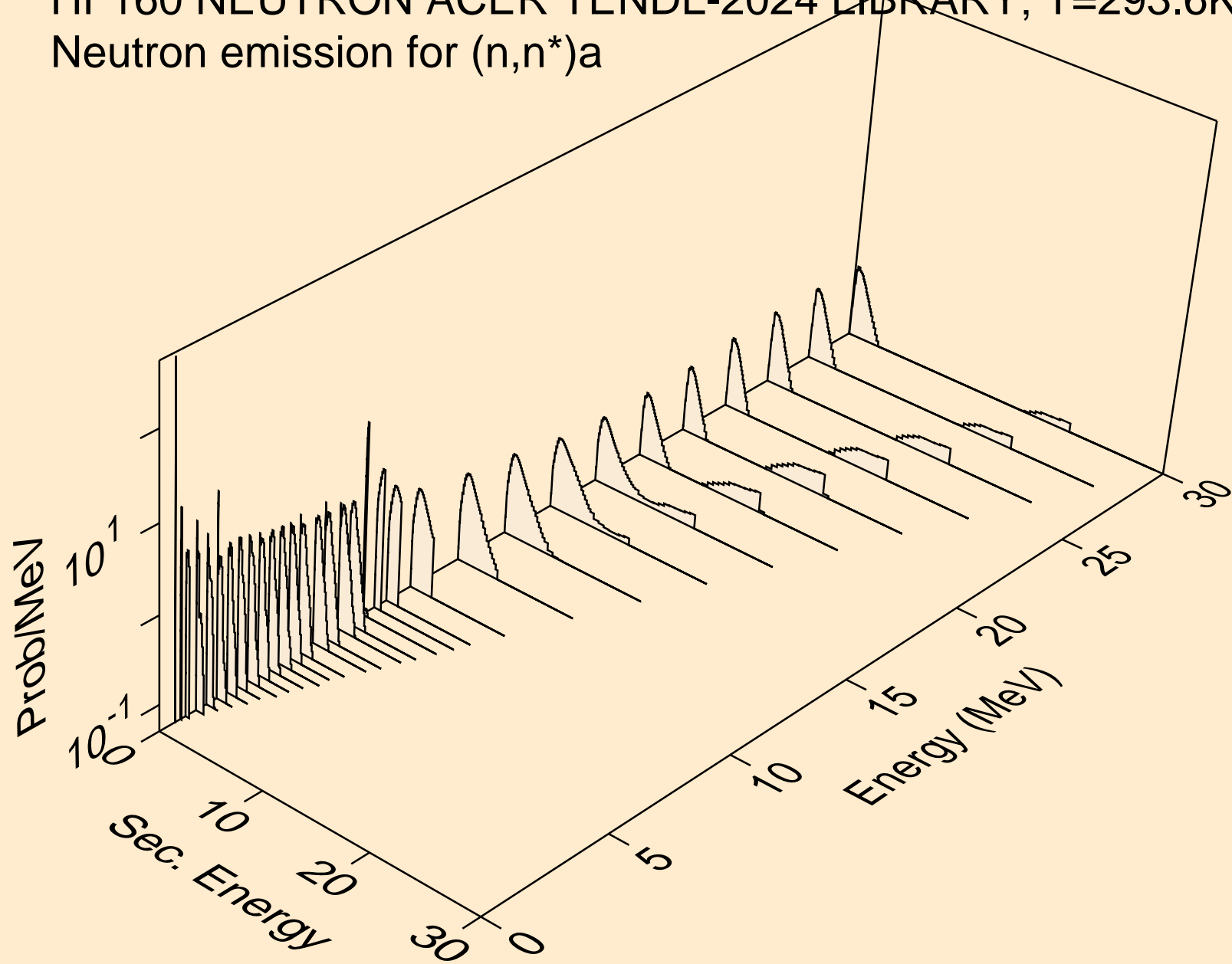
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Neutron emission for (n,2n)



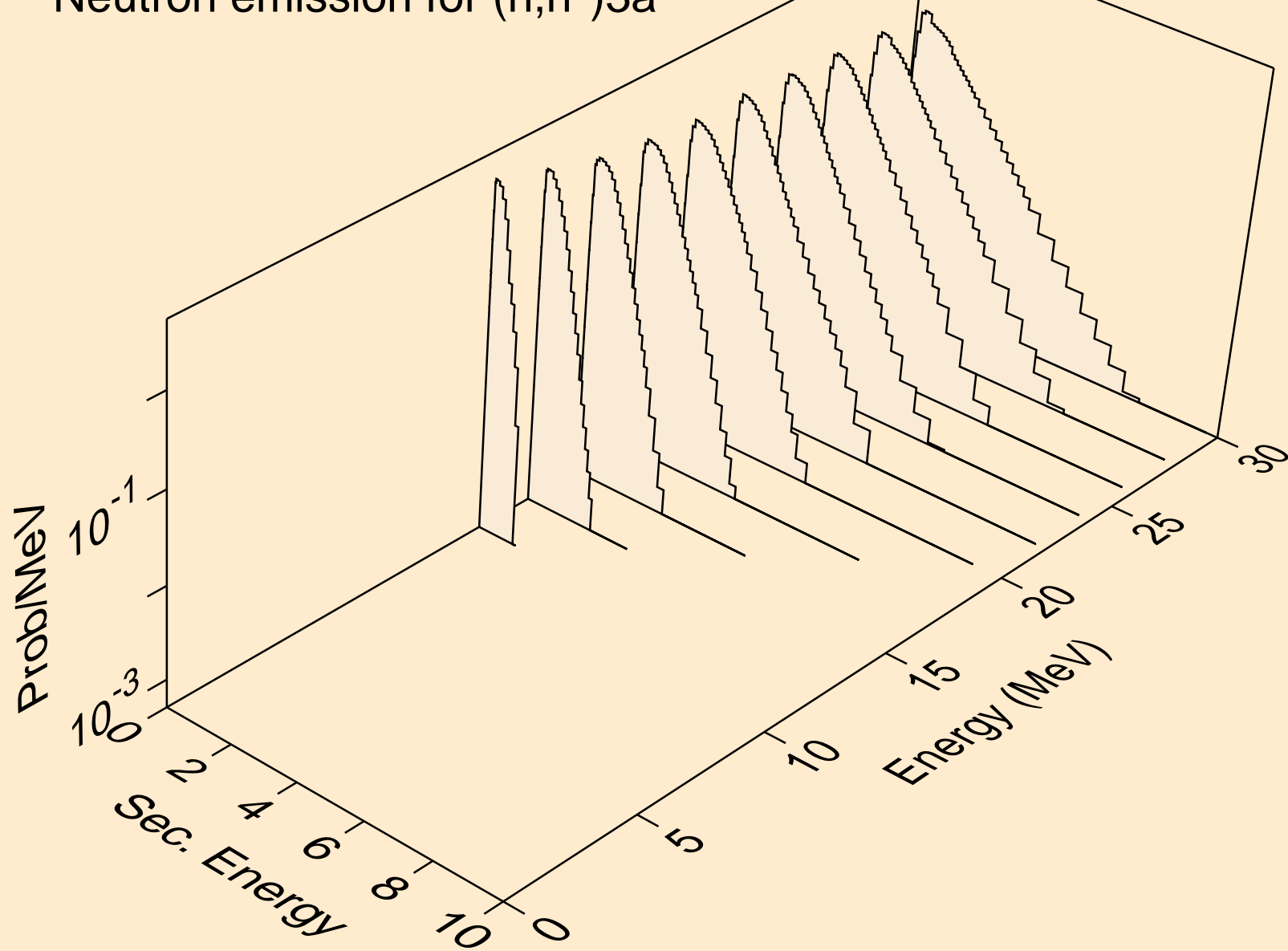
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Neutron emission for (n,3n)



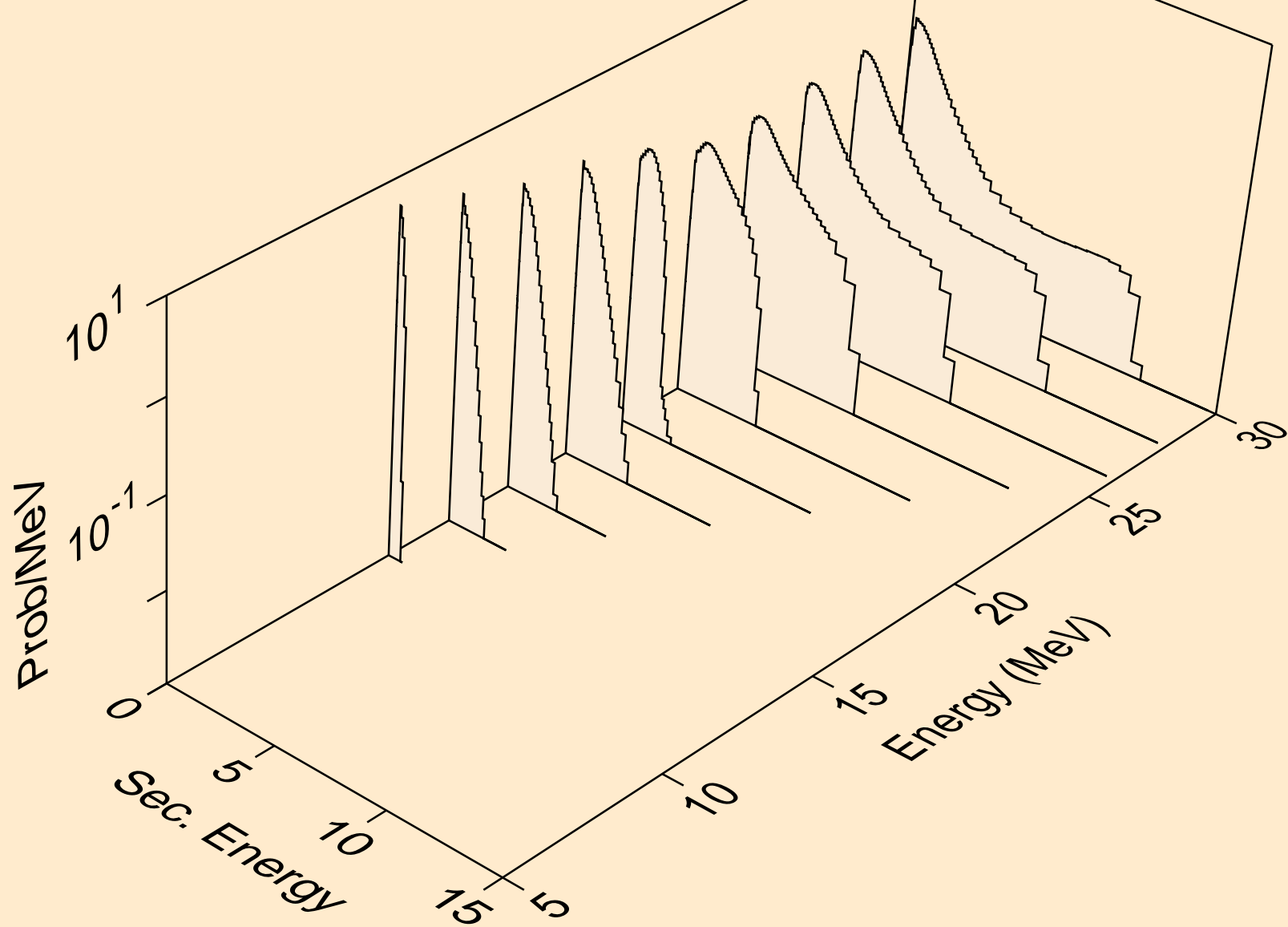
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



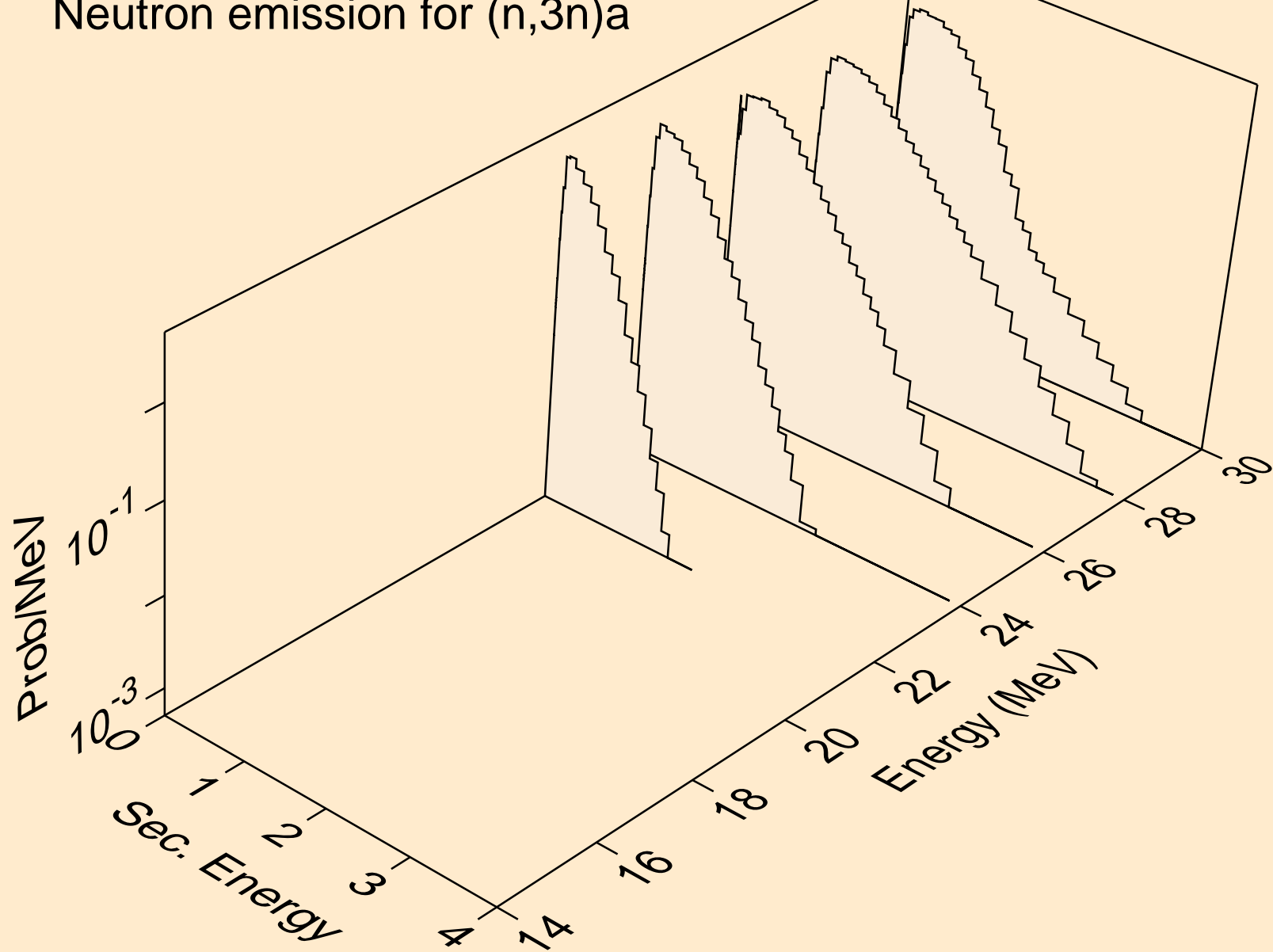
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Neutron emission for (n,n\*)3a



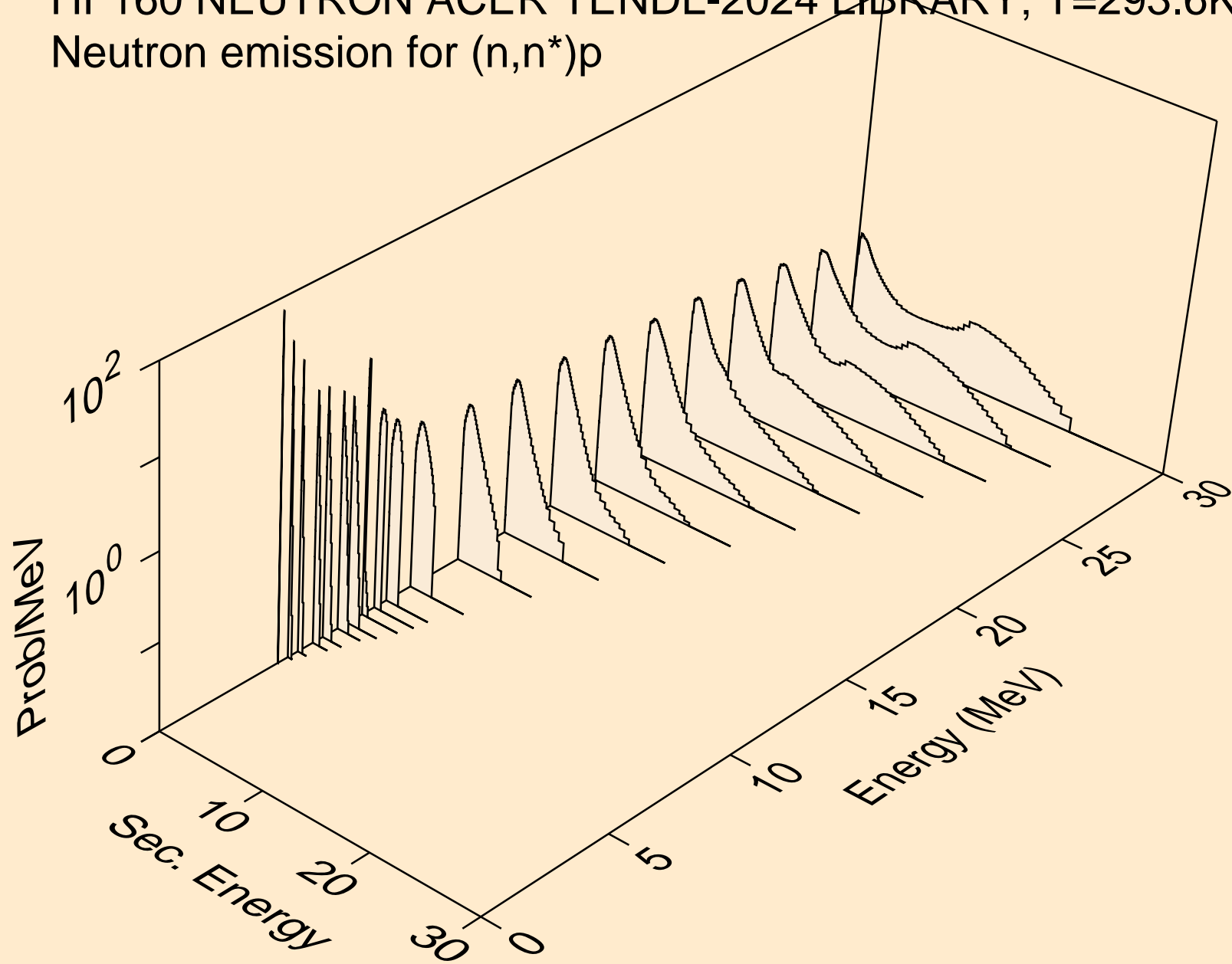
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Neutron emission for (n,2n)<sub>a</sub>



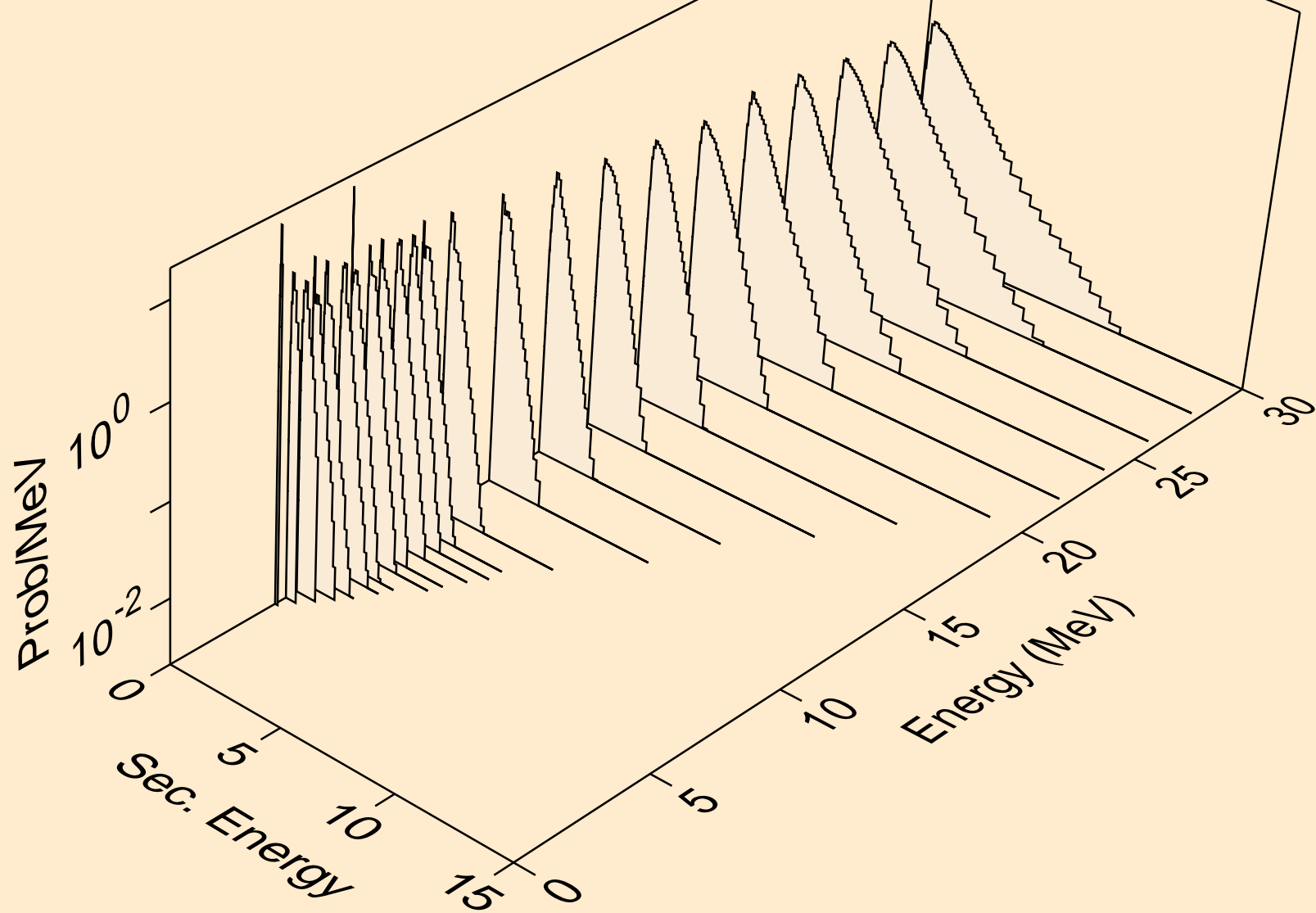
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



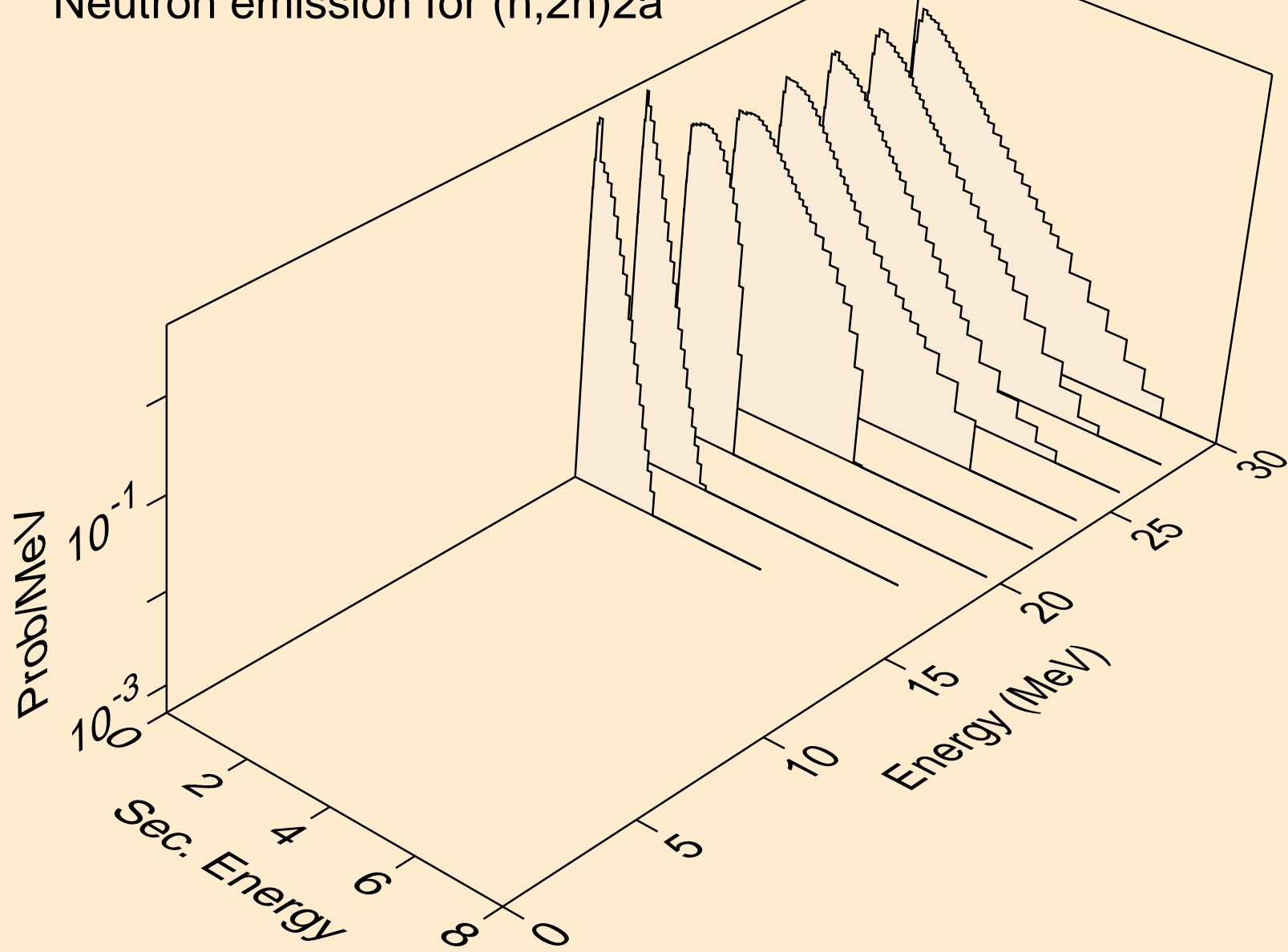
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



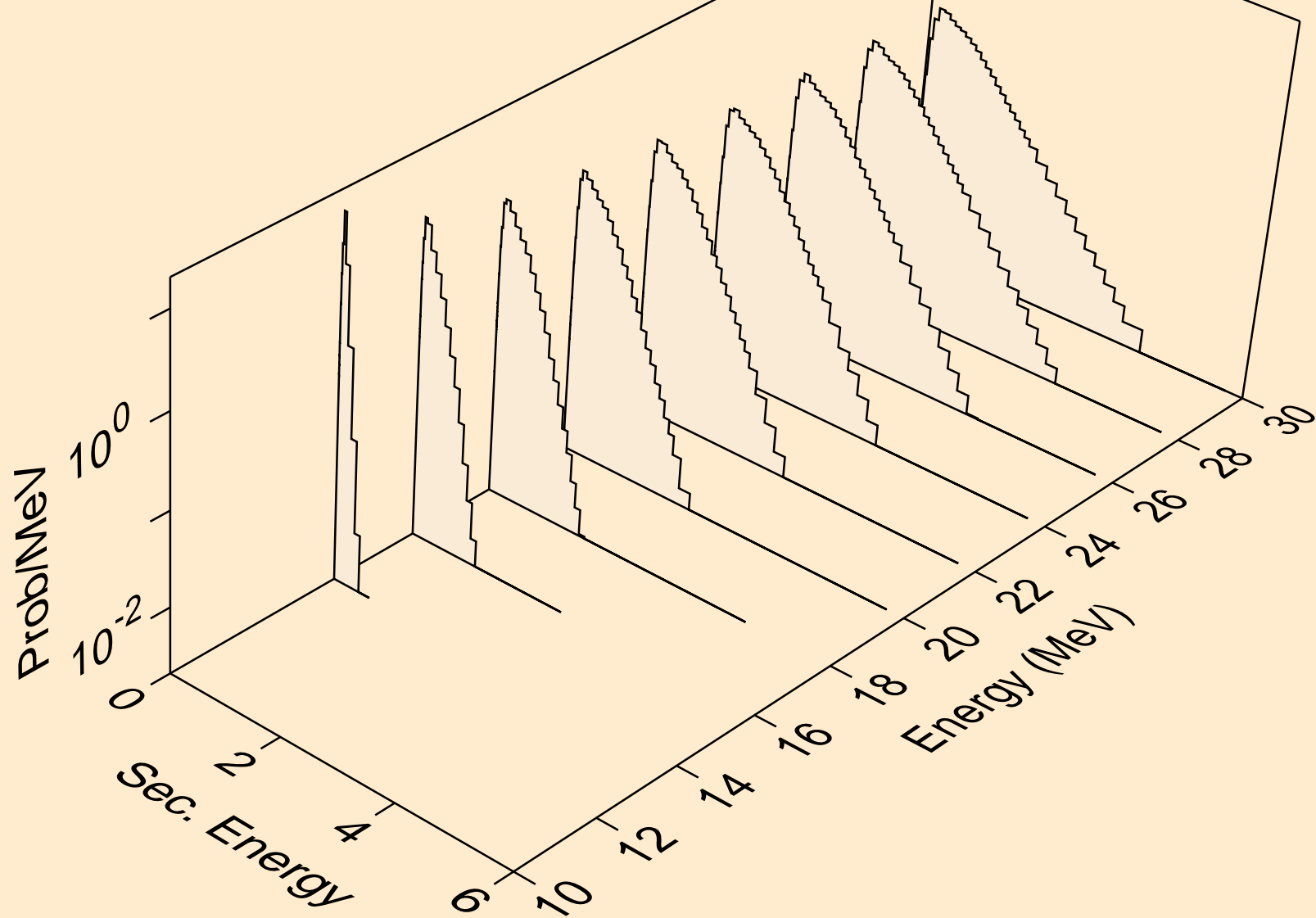
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Neutron emission for (n,n\*)2a



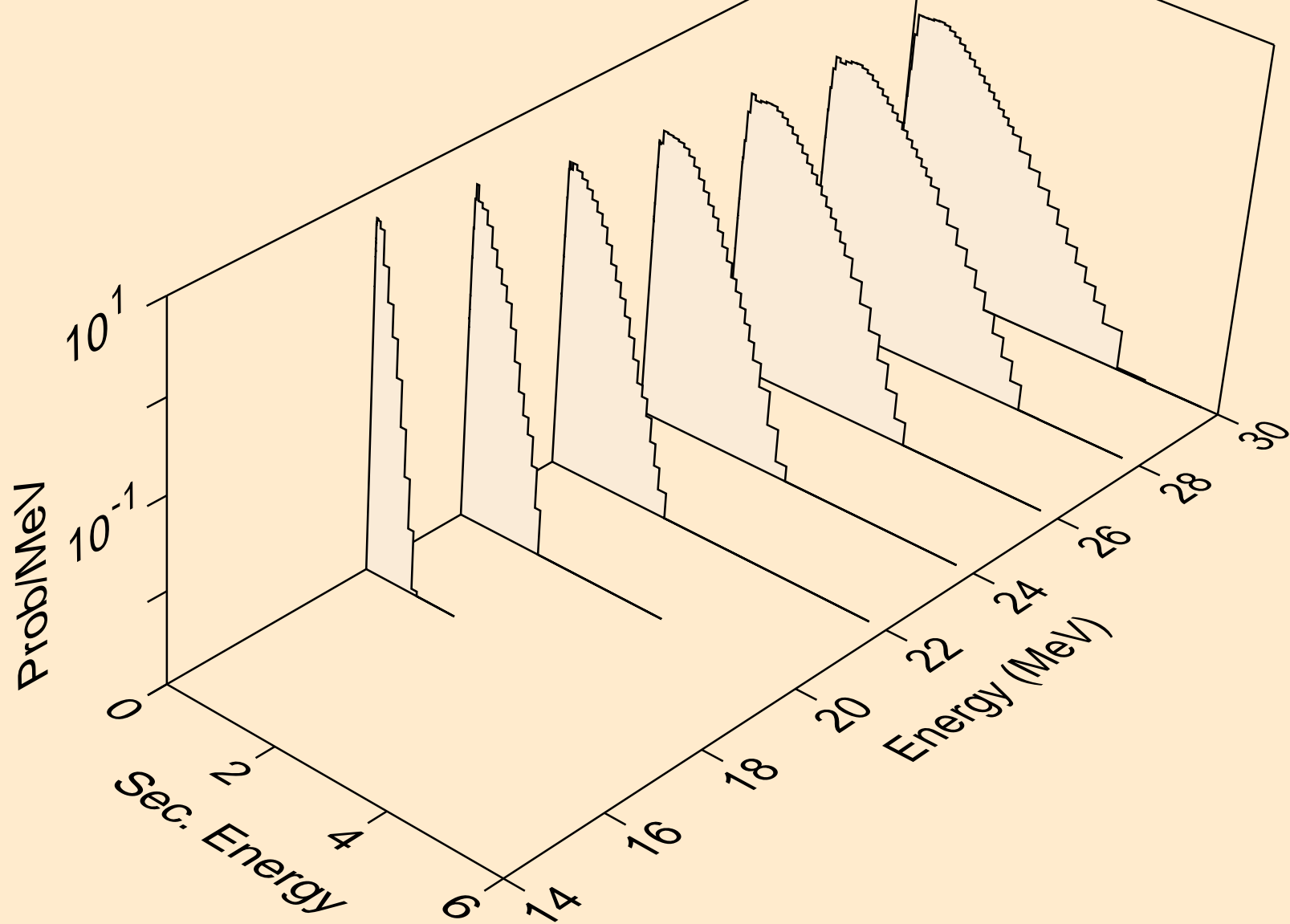
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Neutron emission for (n,2n)2a



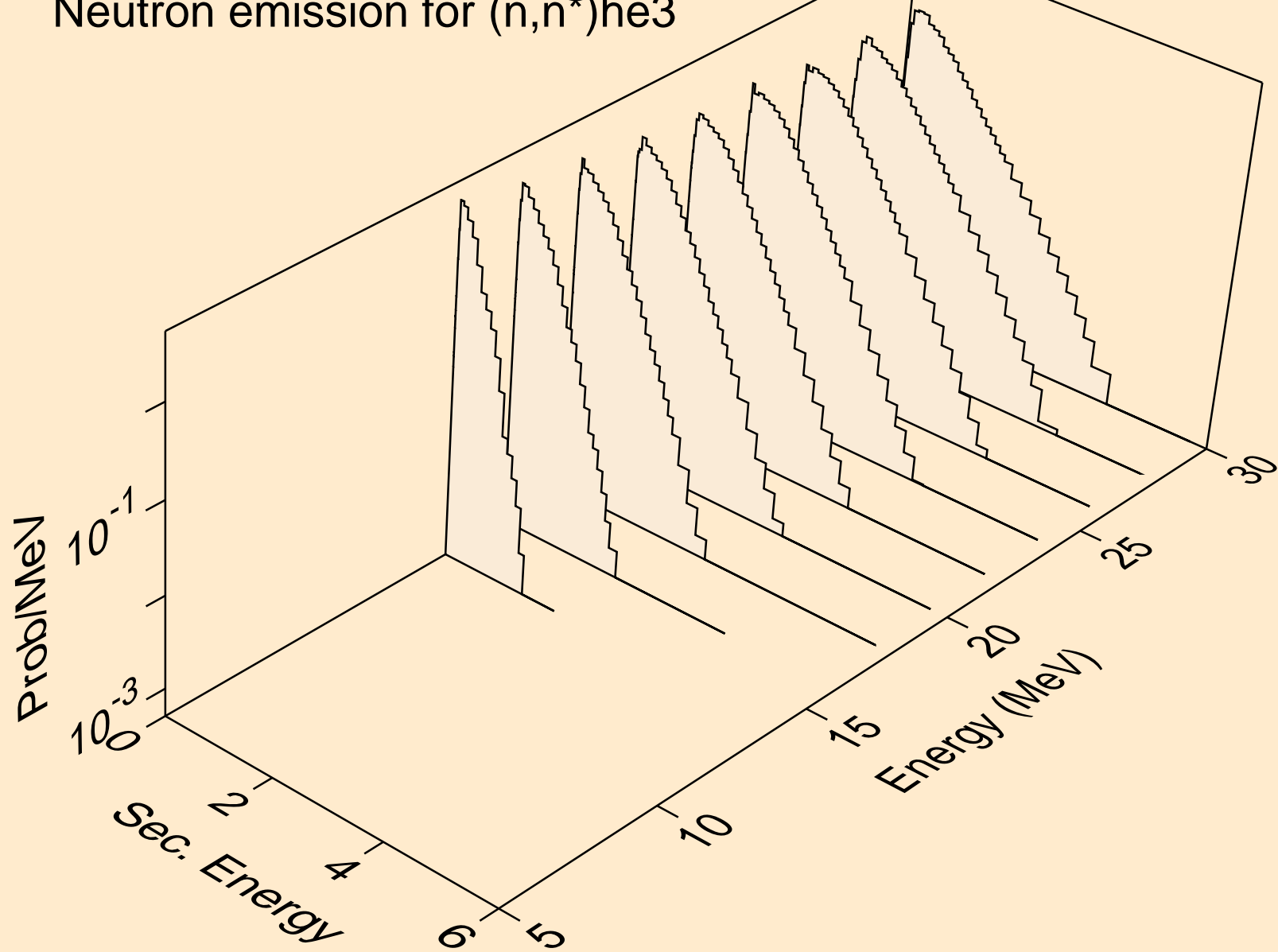
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



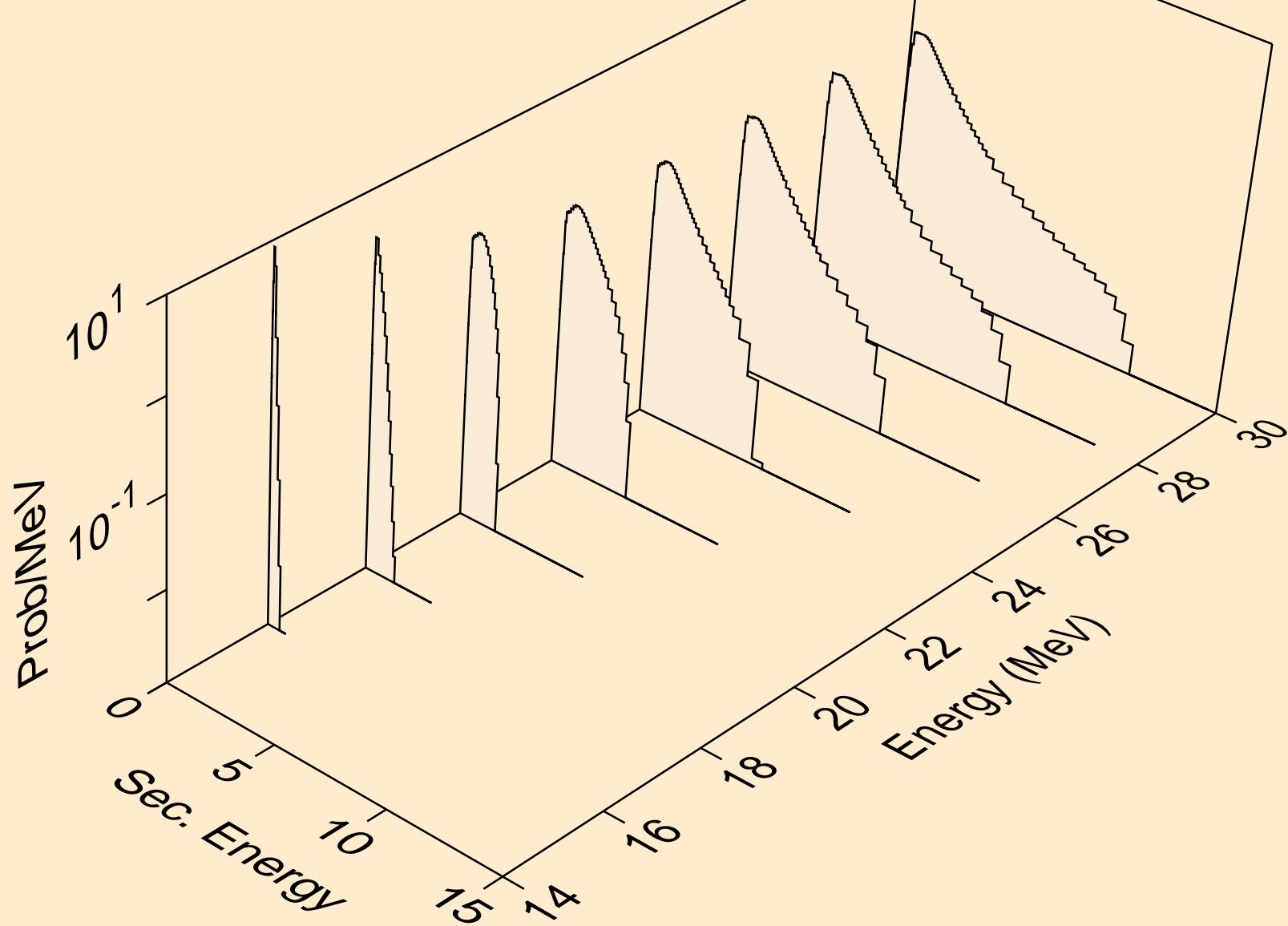
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



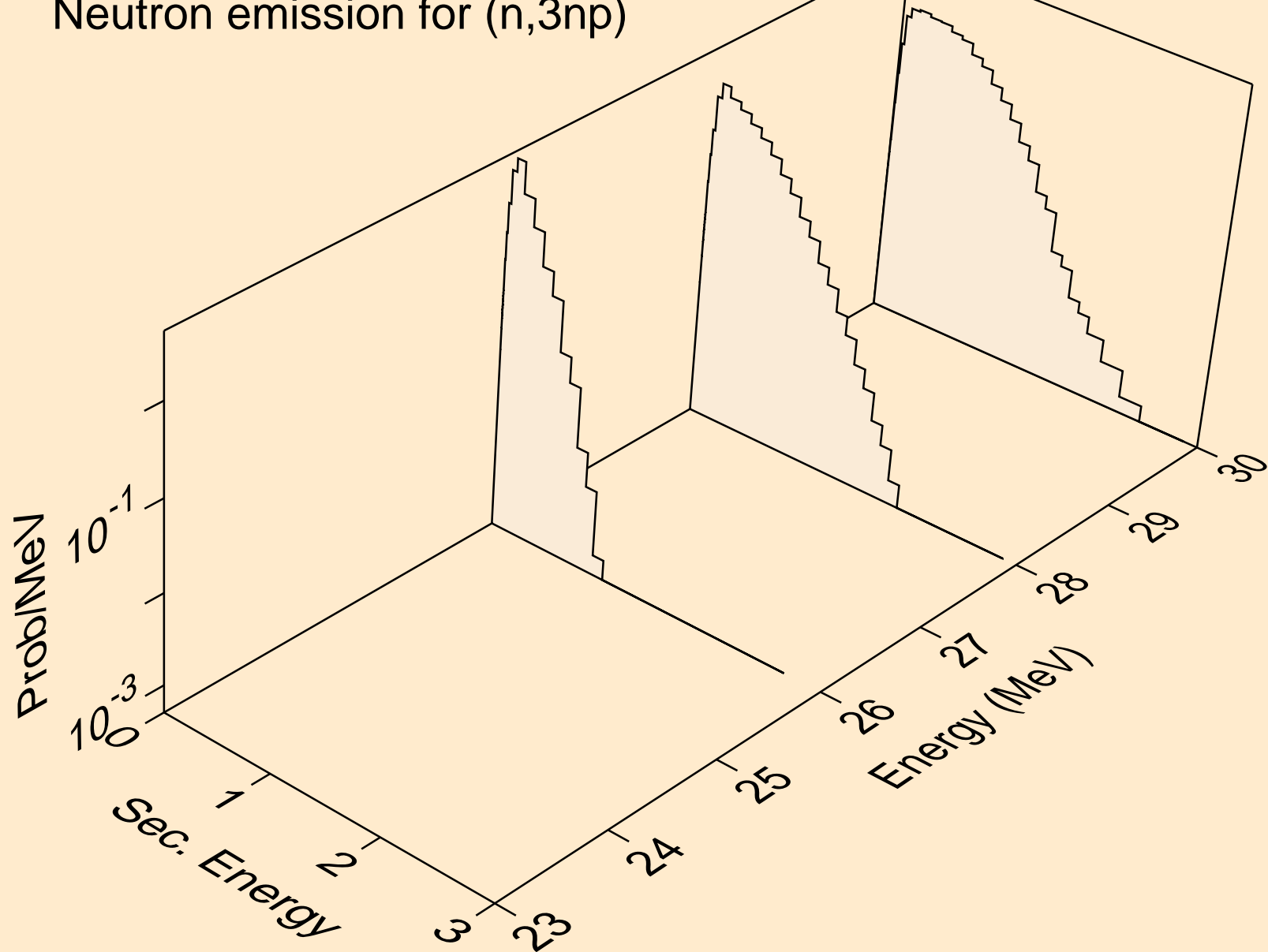
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Neutron emission for (n,n\*)he3



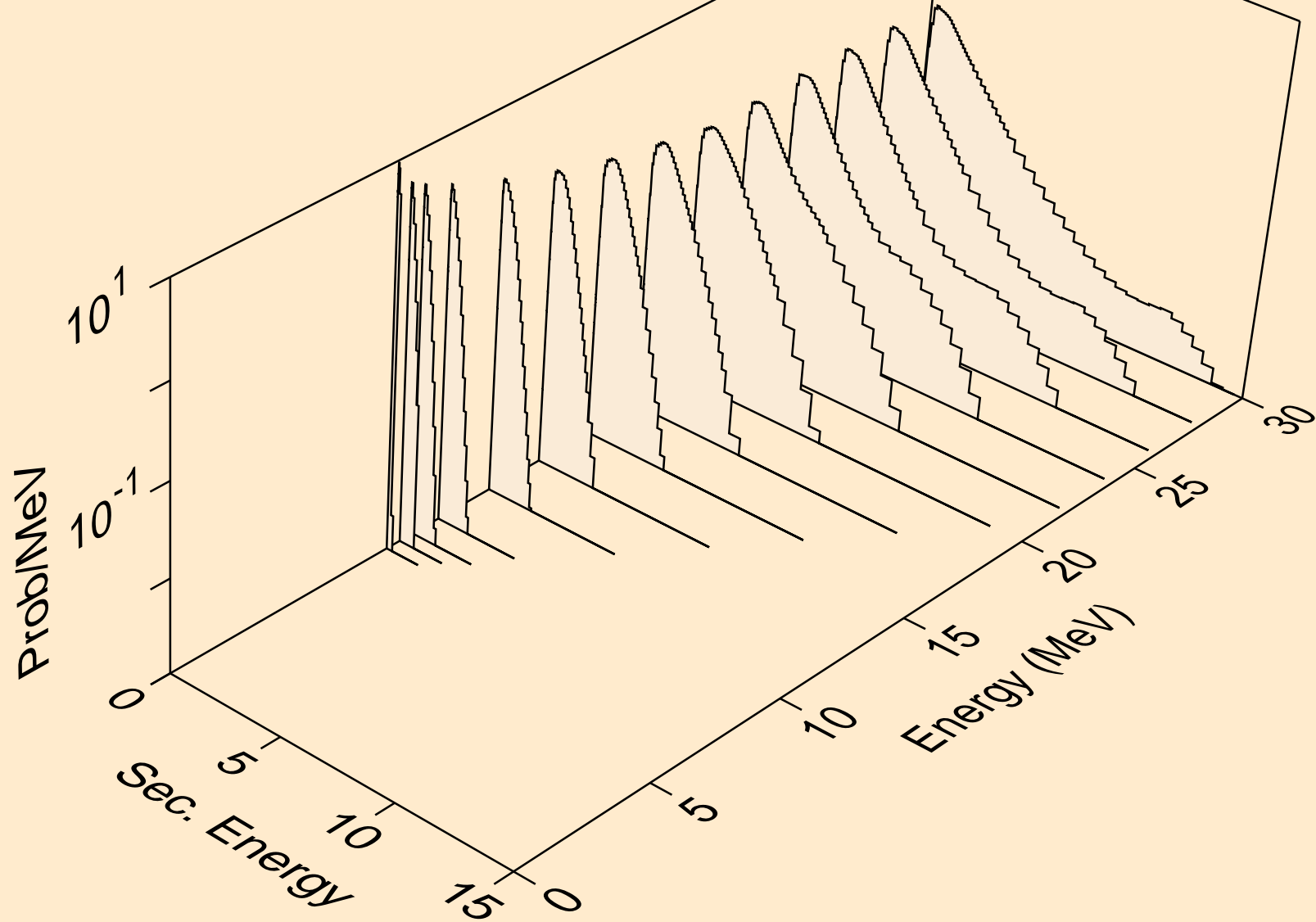
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Neutron emission for (n,2np)



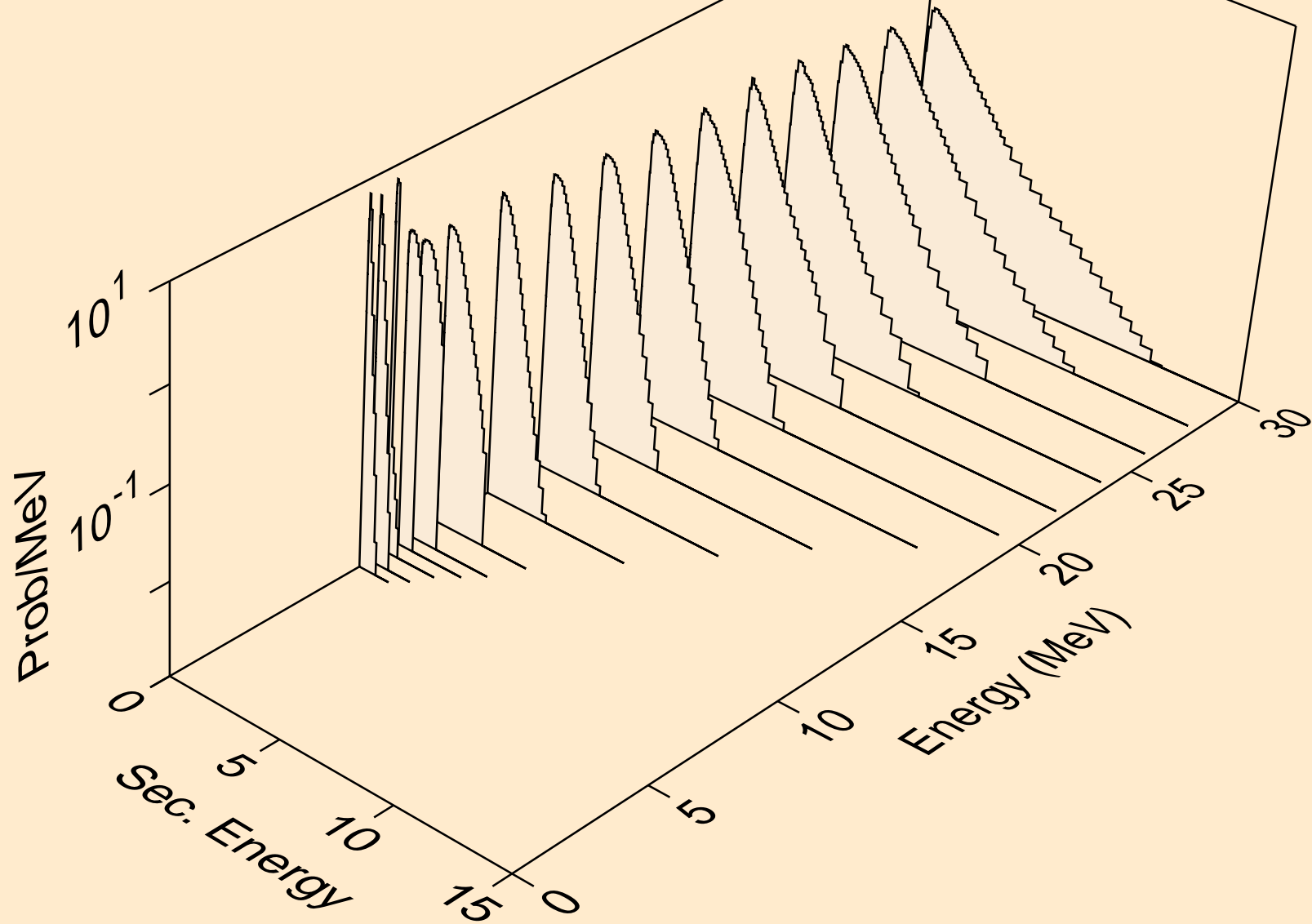
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Neutron emission for (n,3np)



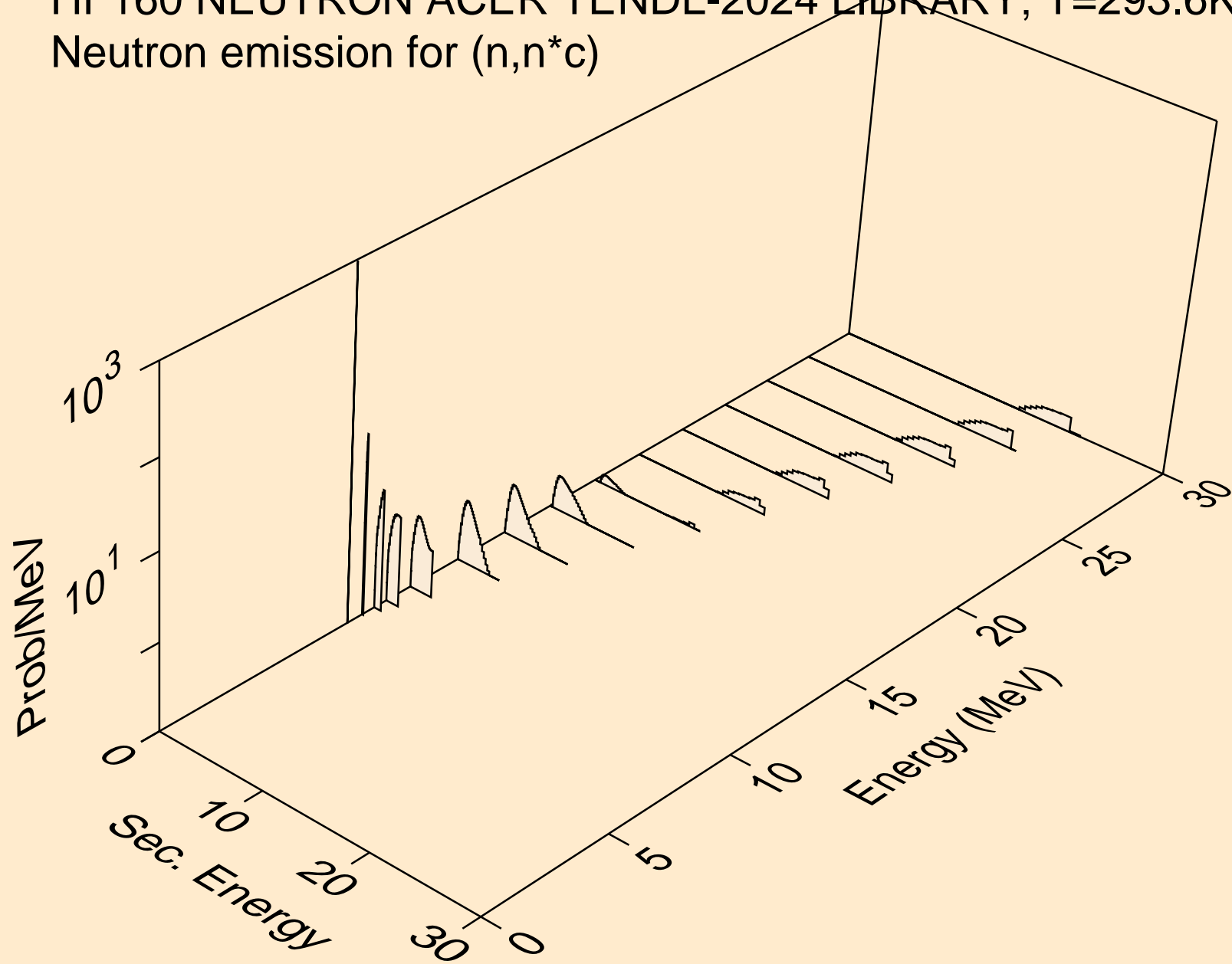
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Neutron emission for (n,n2p)



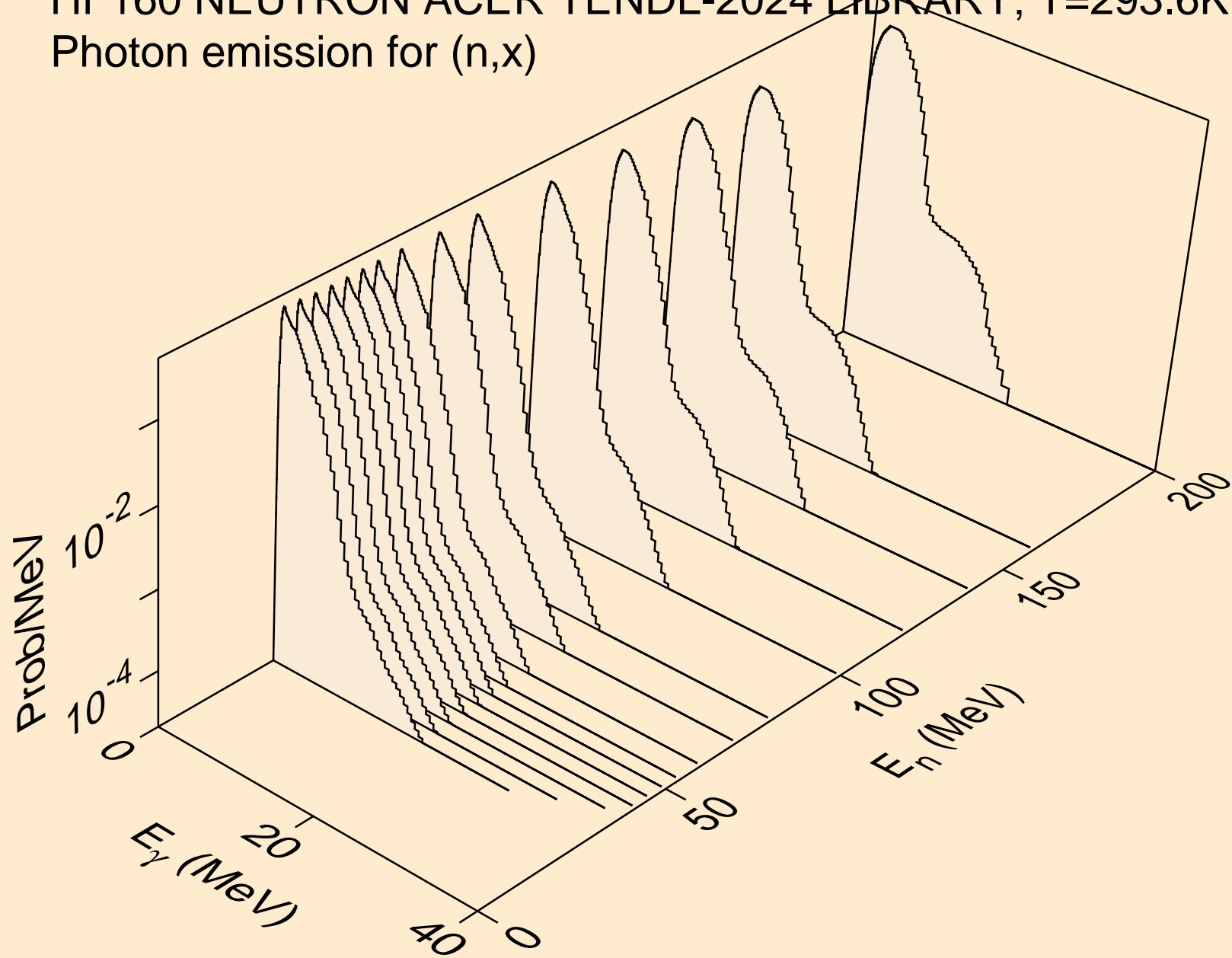
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Neutron emission for (n,npa)



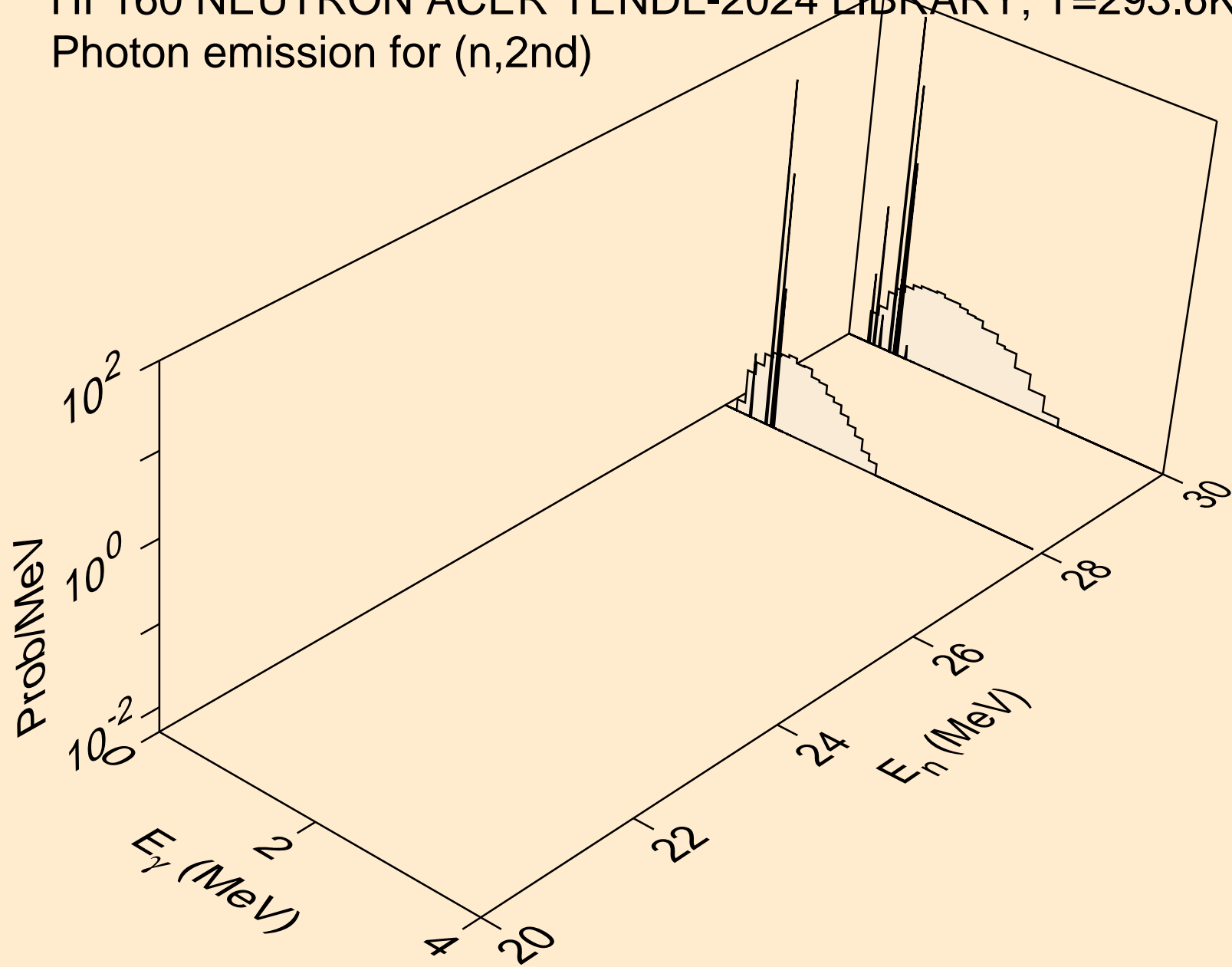
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Neutron emission for (n,n\*c)



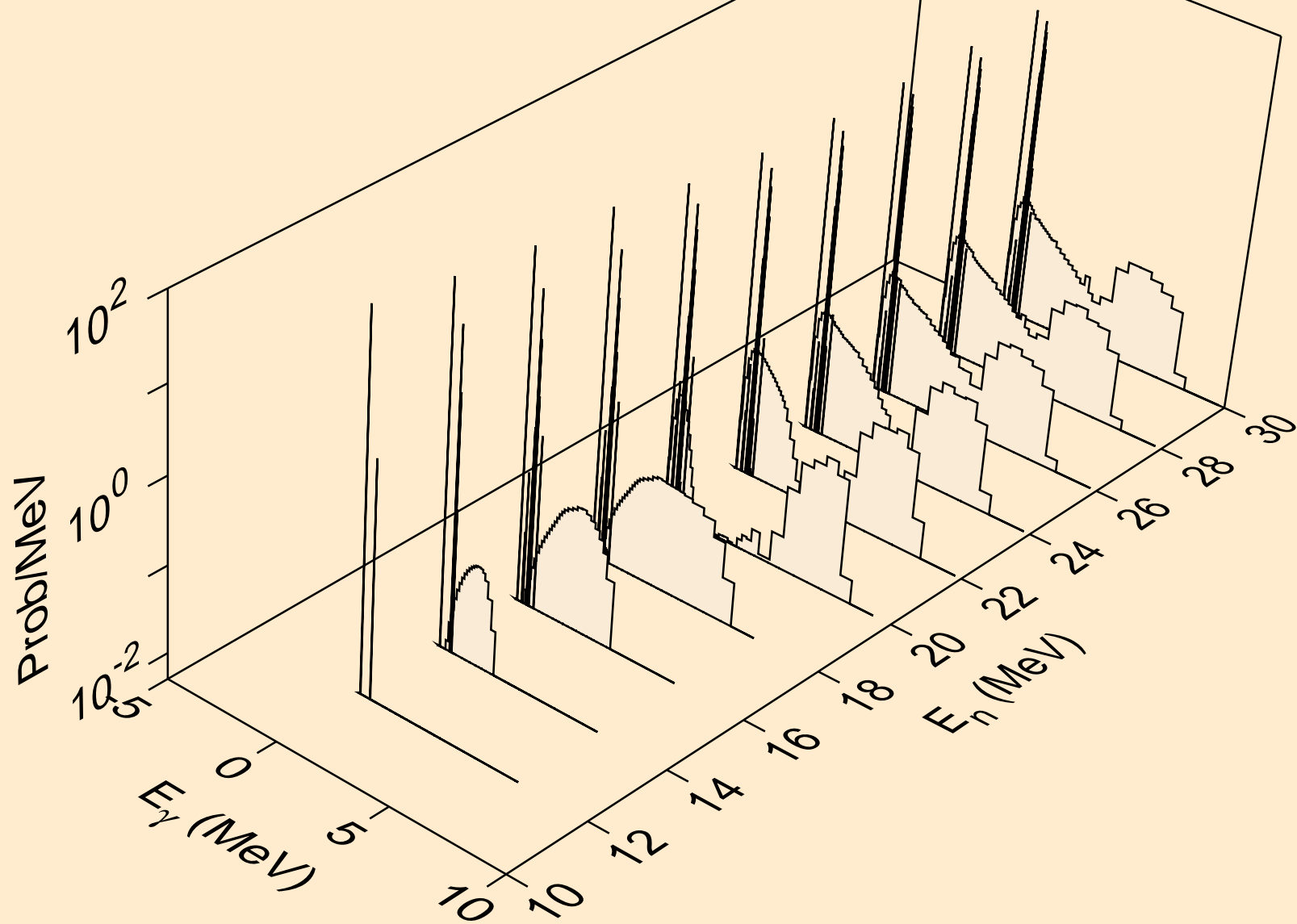
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



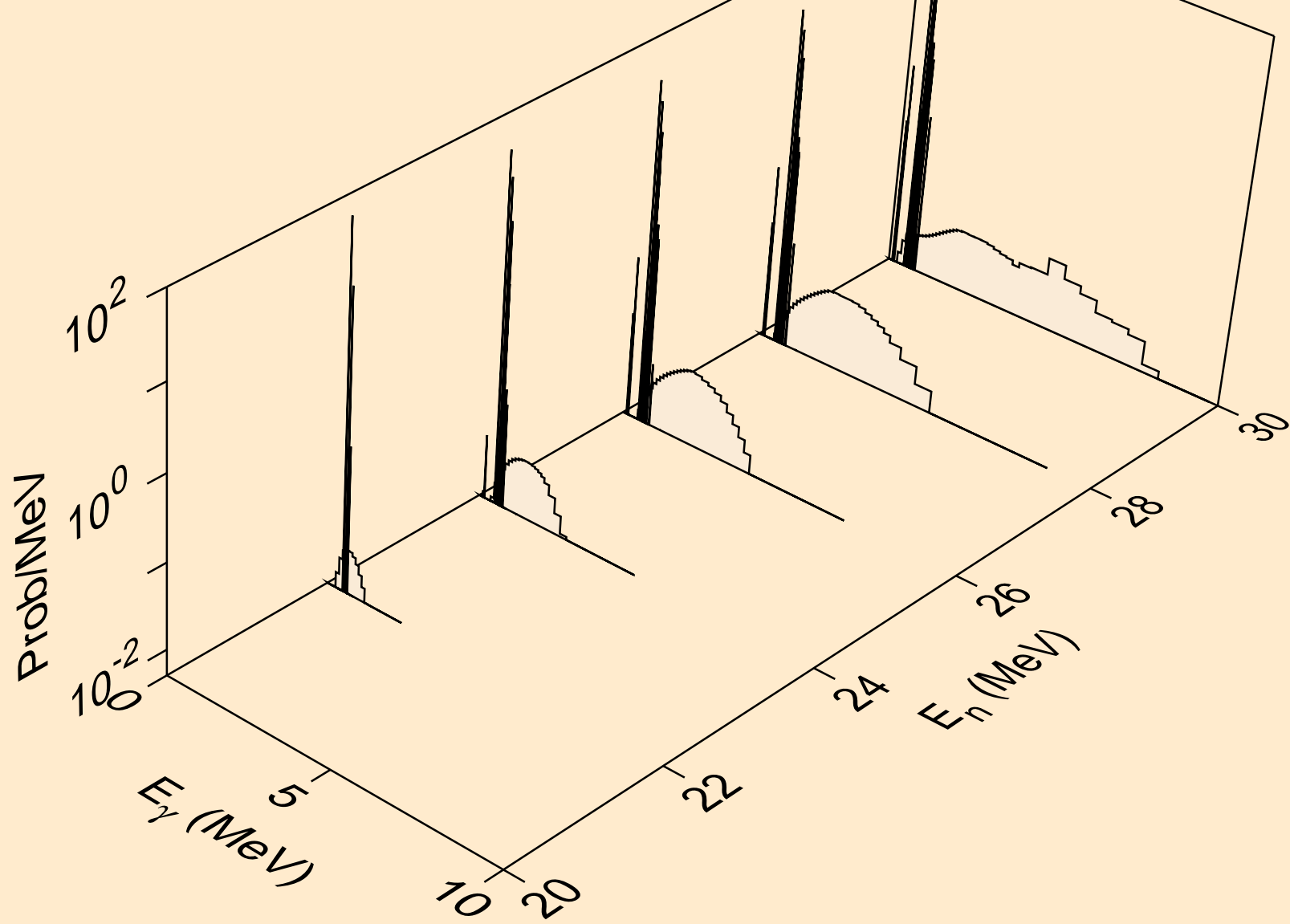
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Photon emission for (n,2nd)



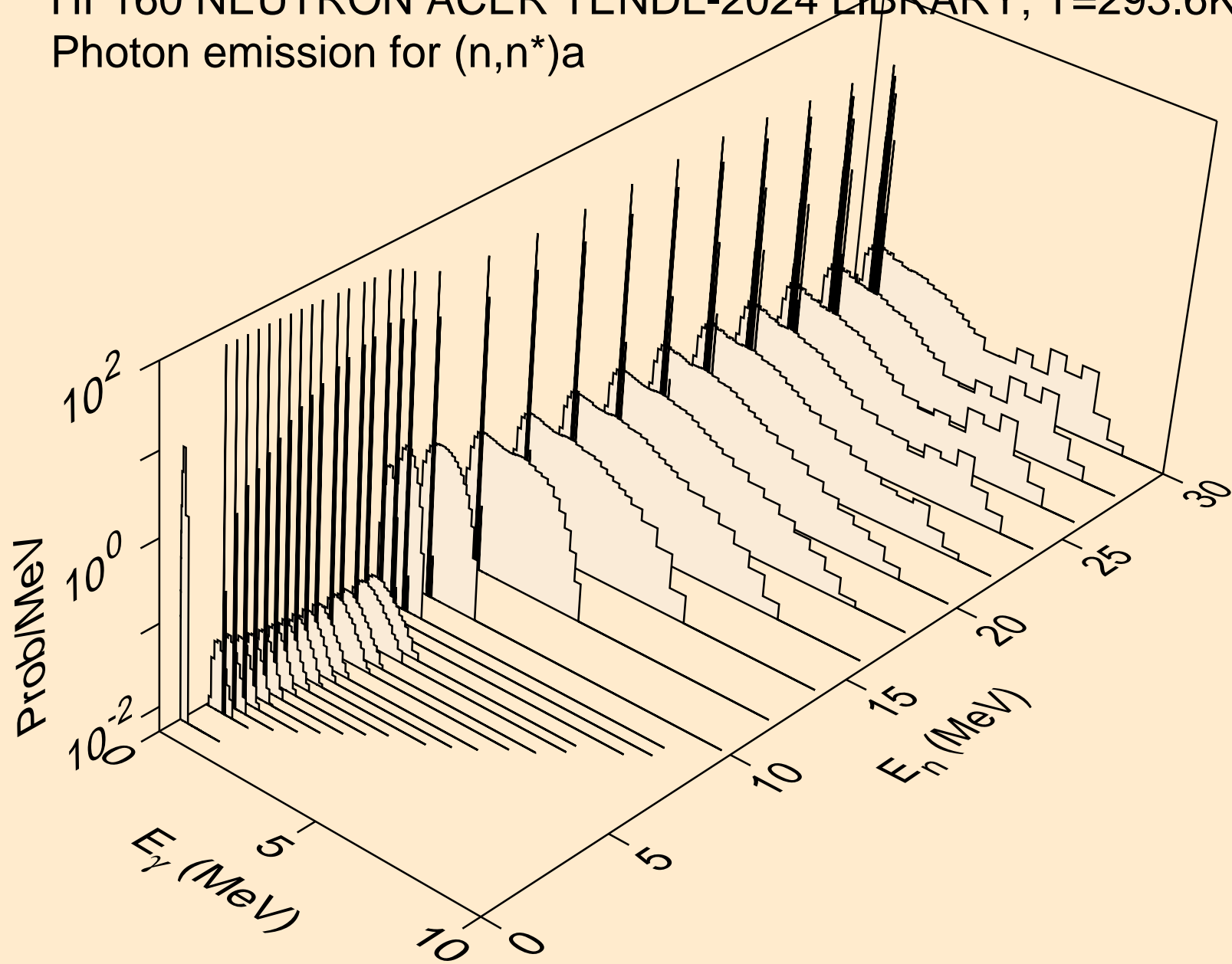
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Photon emission for (n,2n)



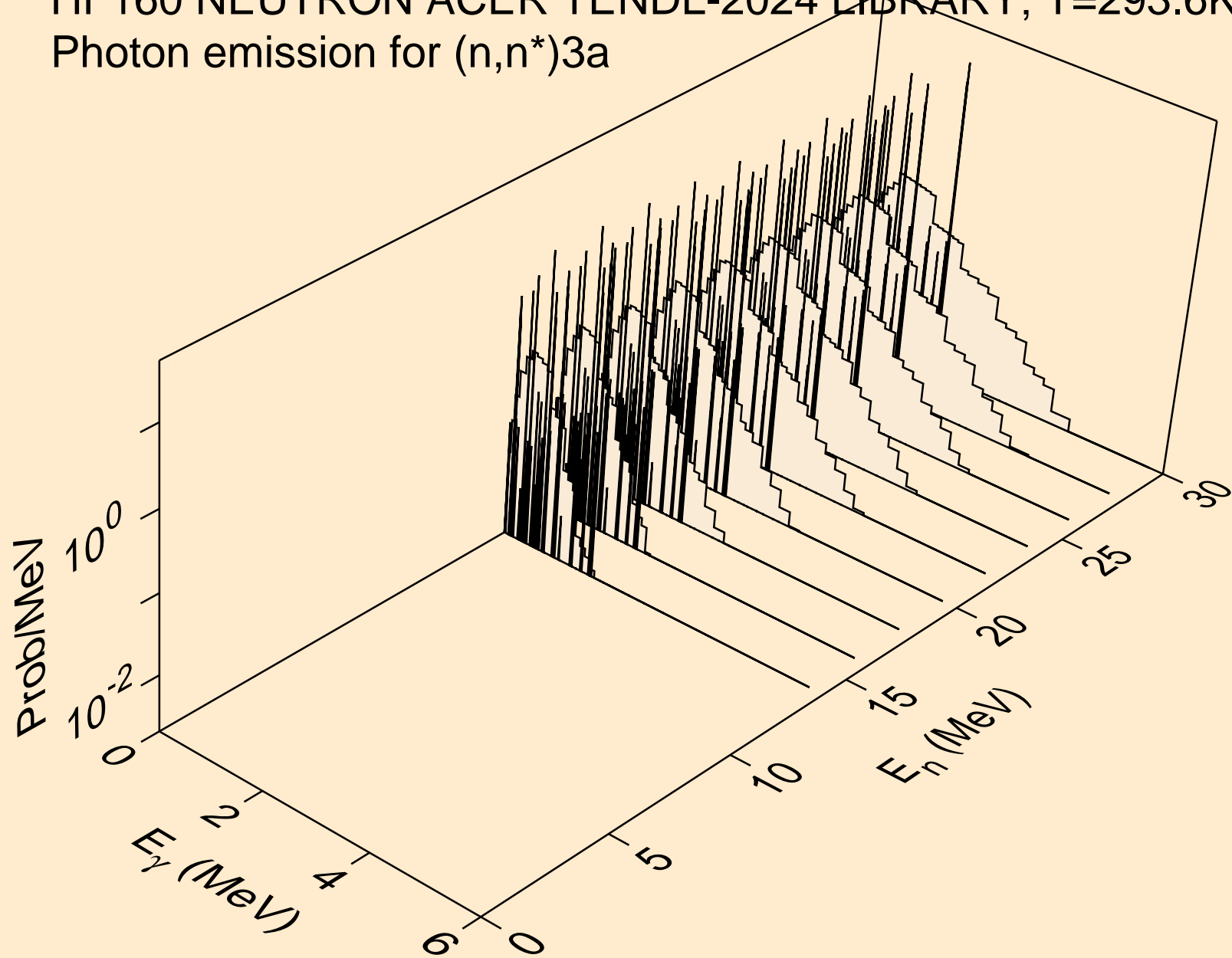
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



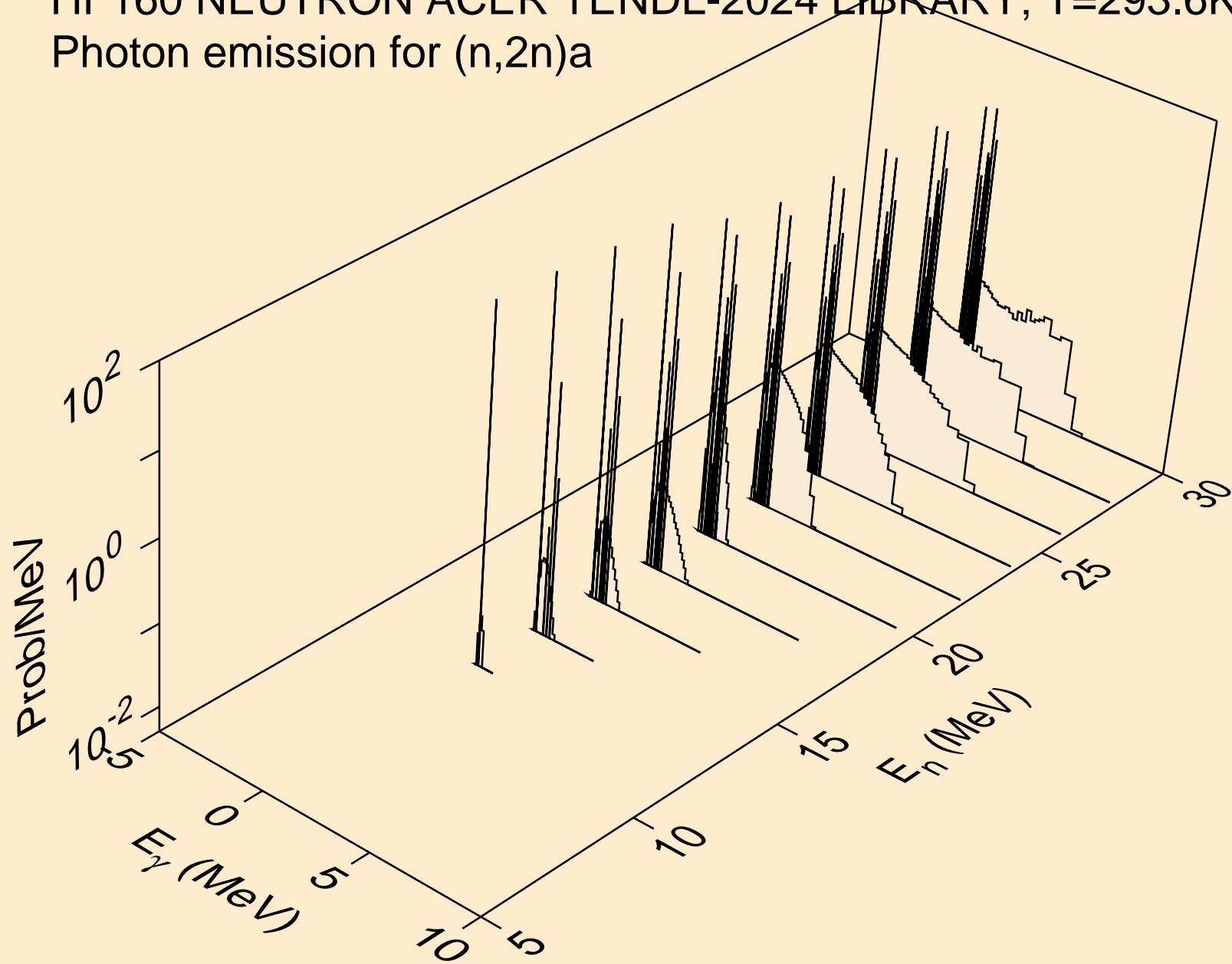
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



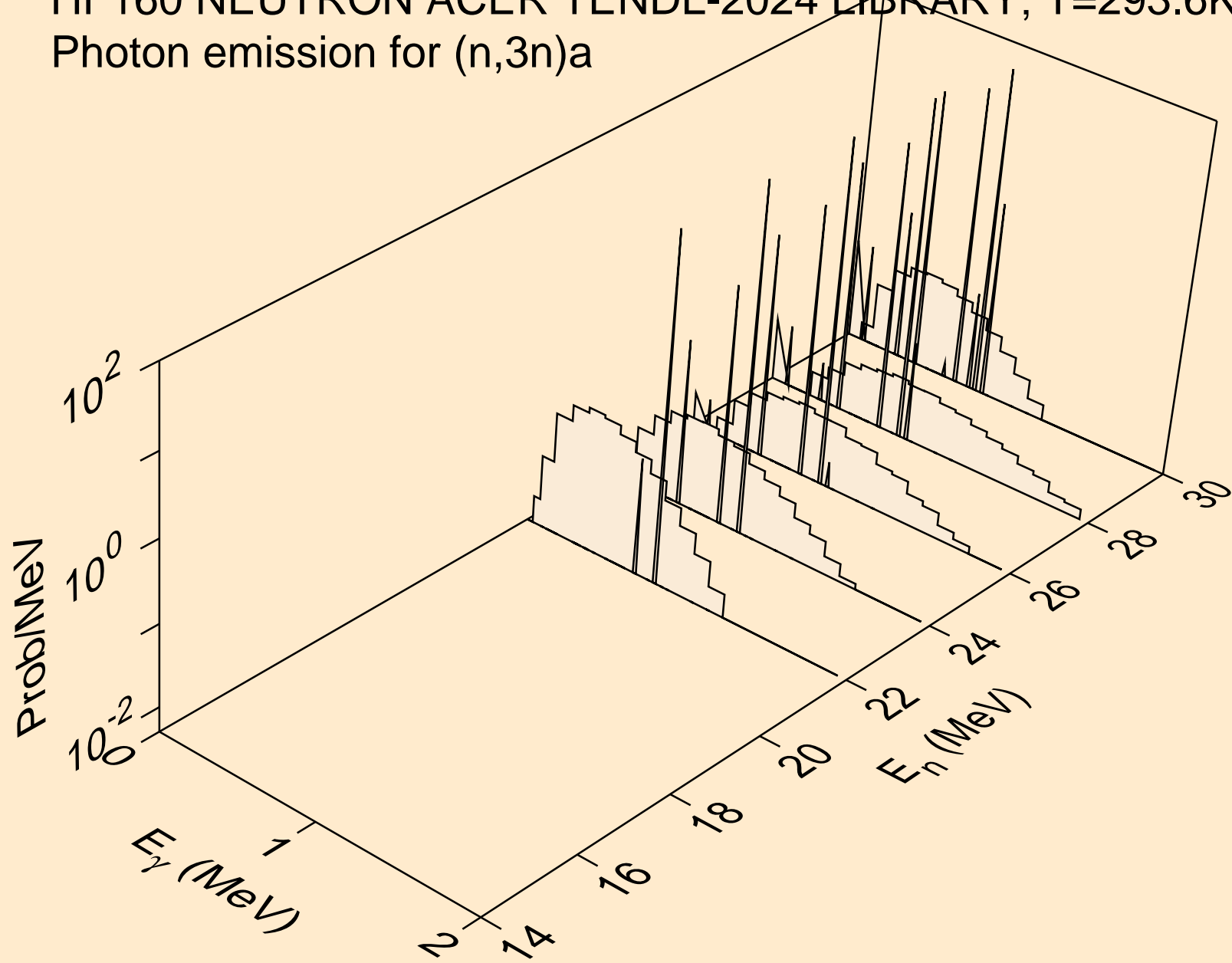
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Photon emission for (n,n\*)3a



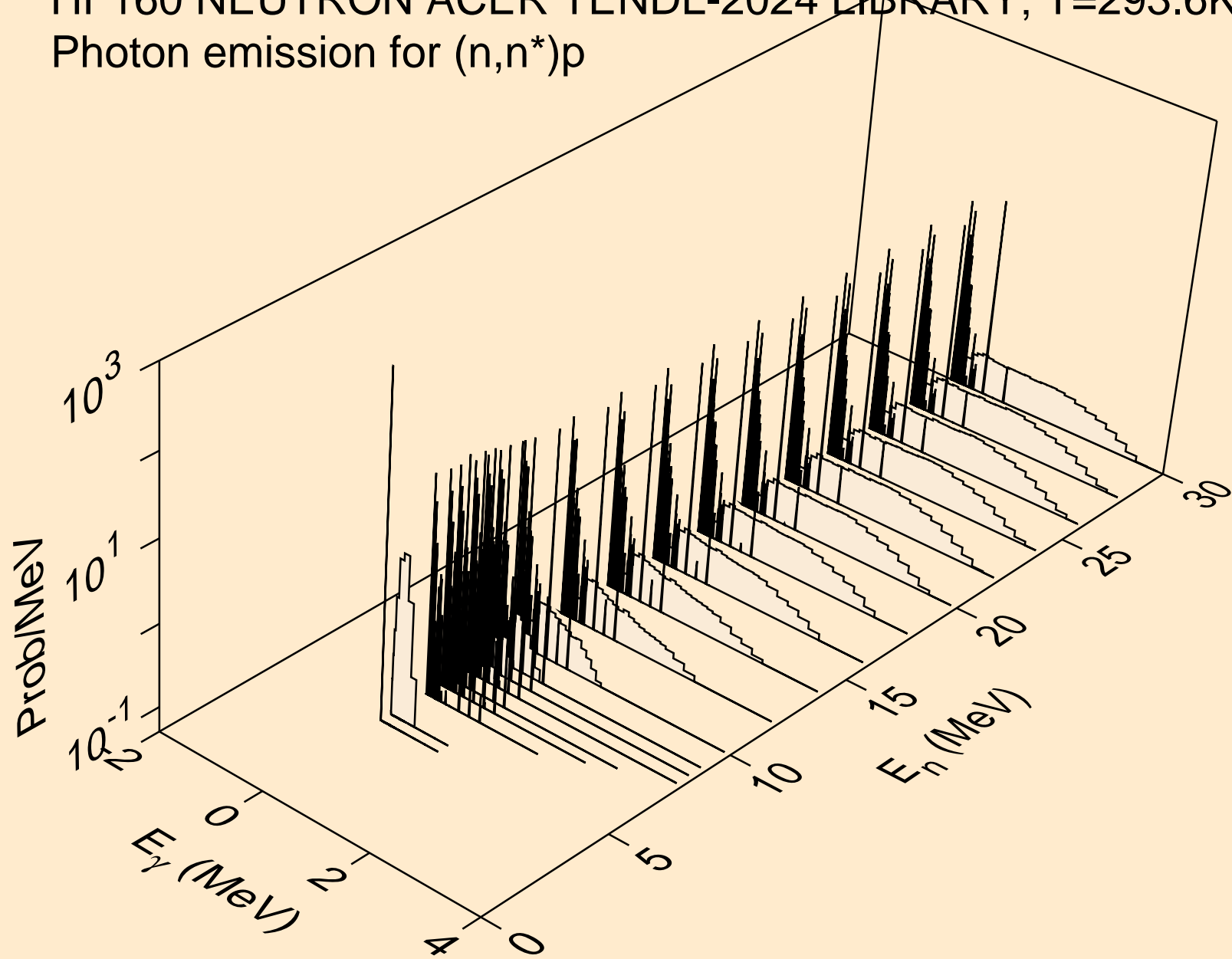
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



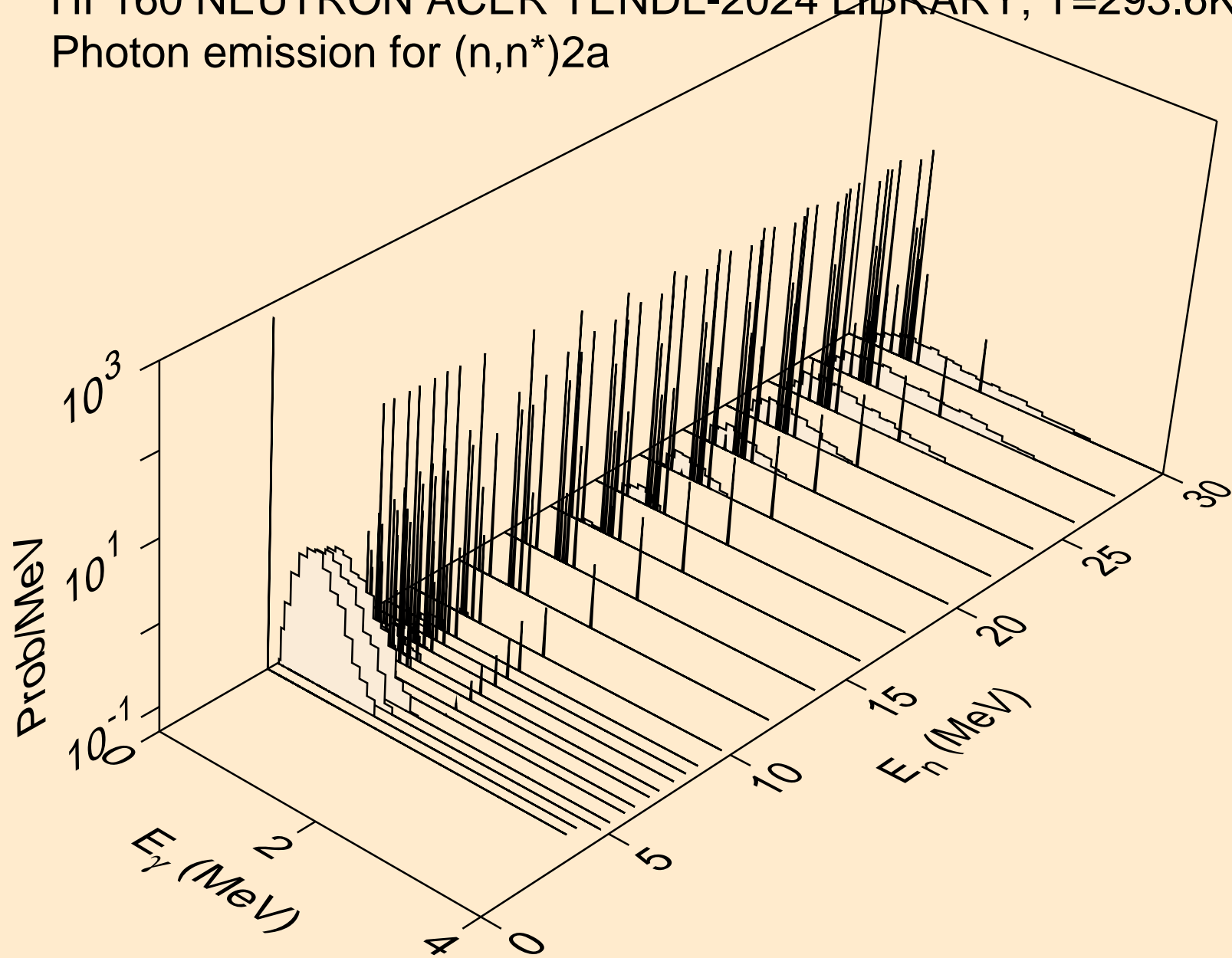
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



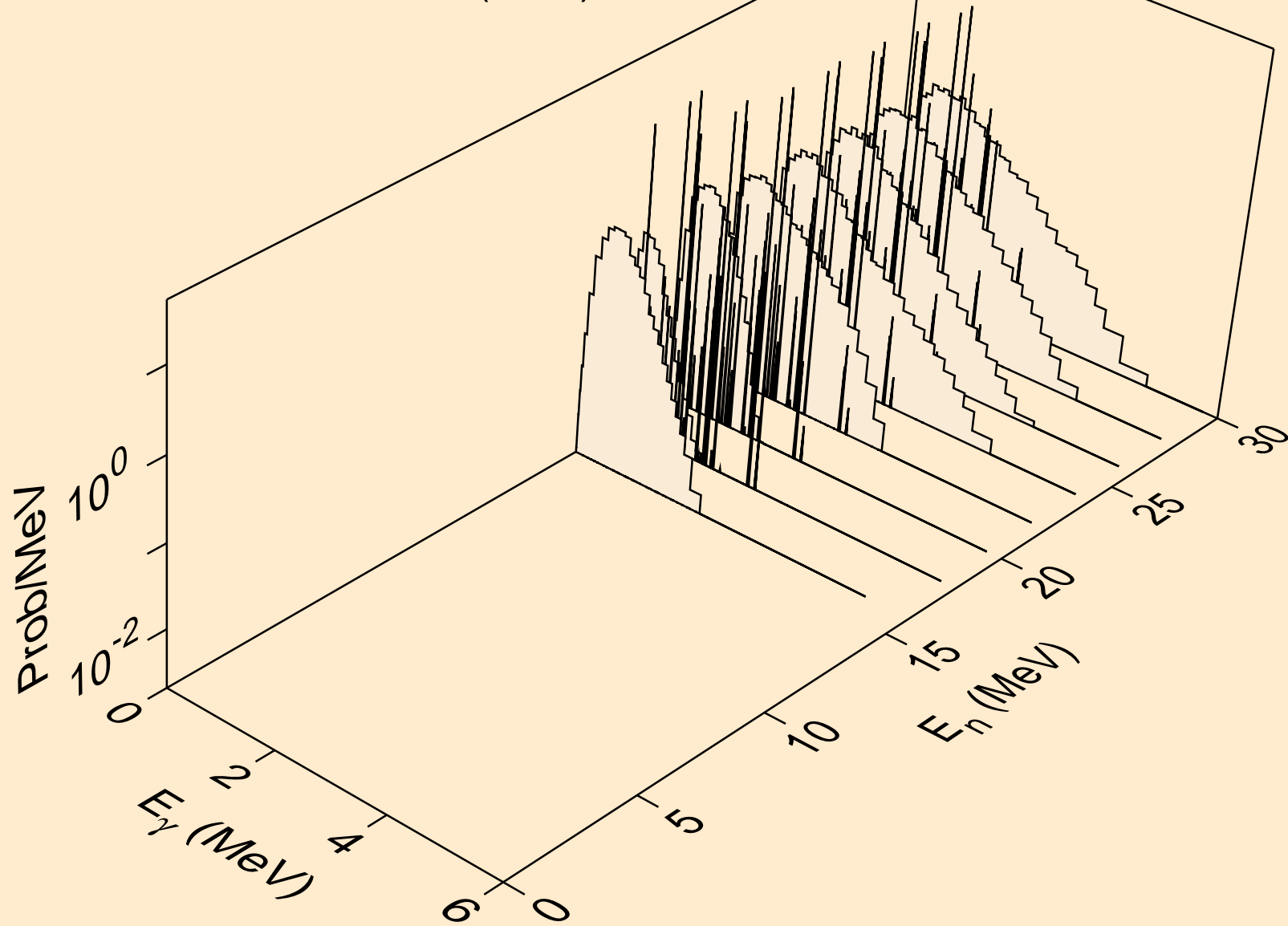
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



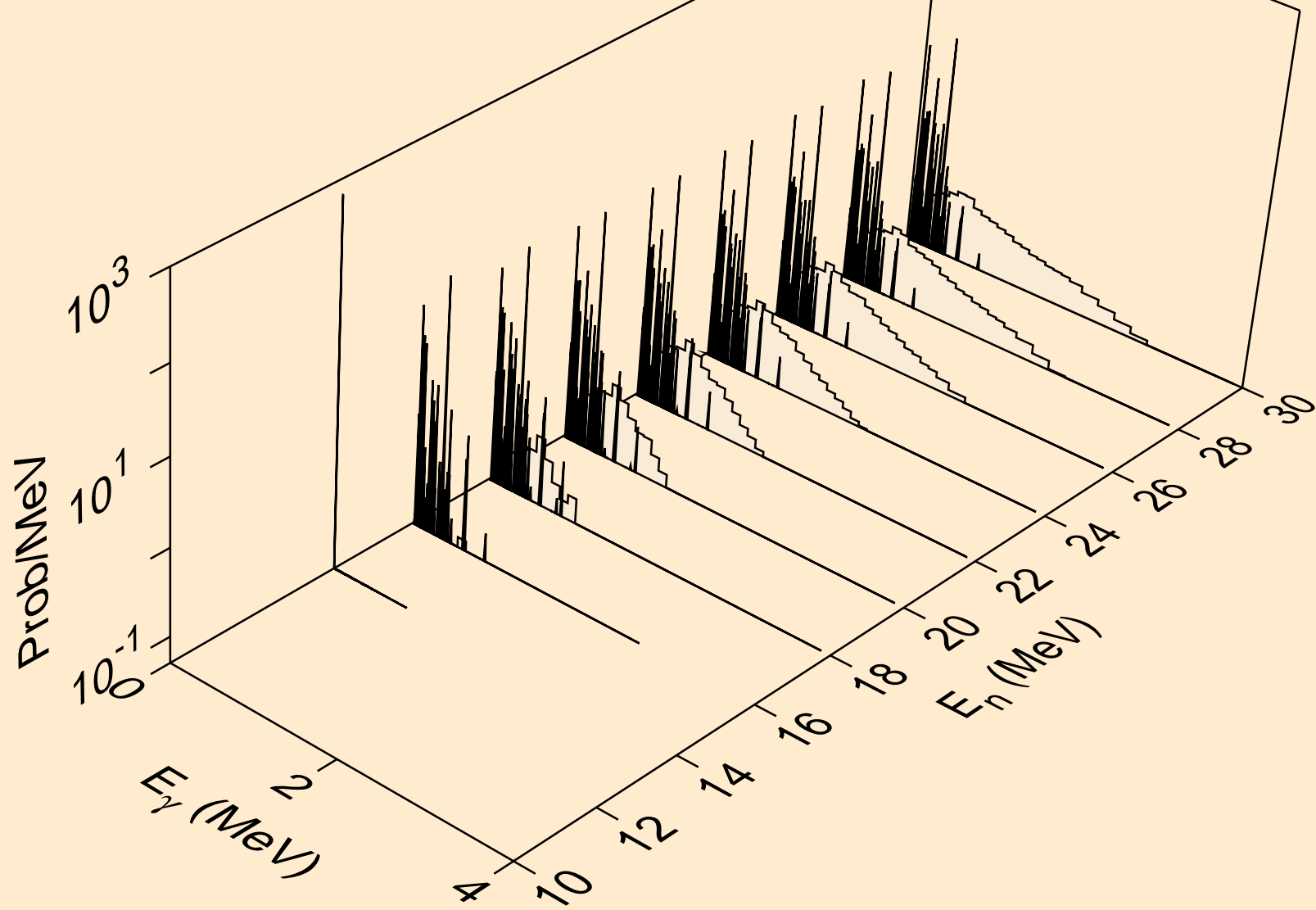
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



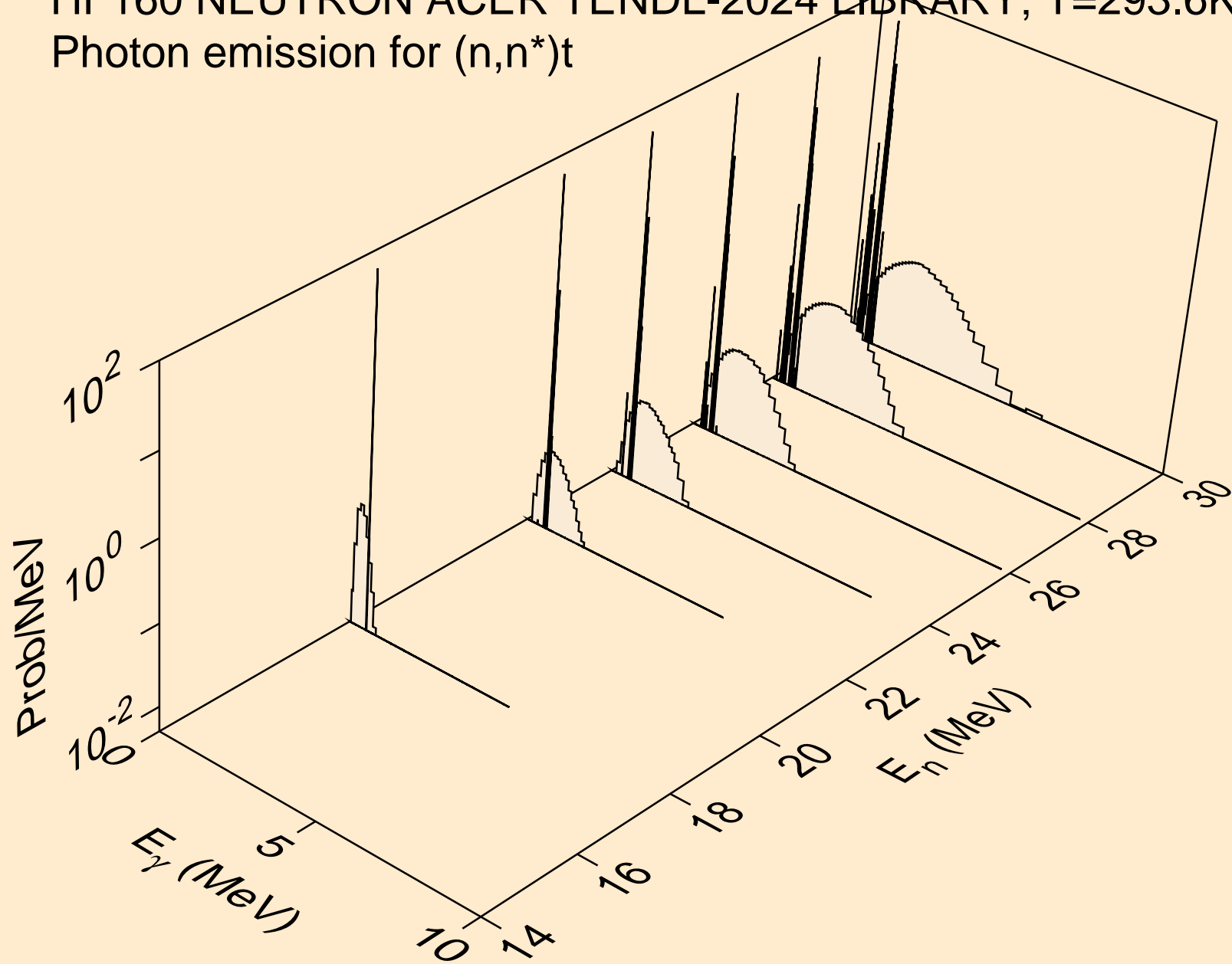
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



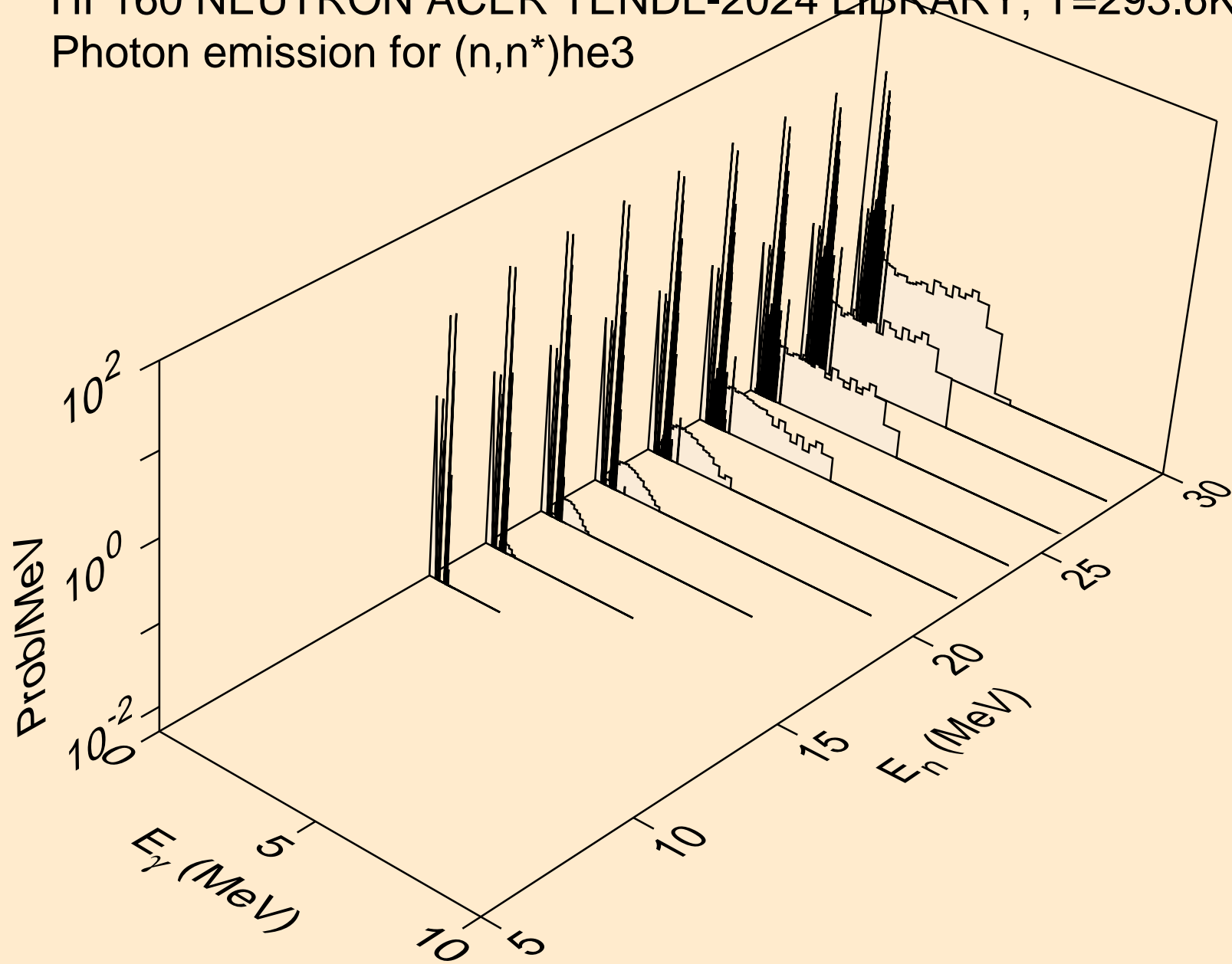
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



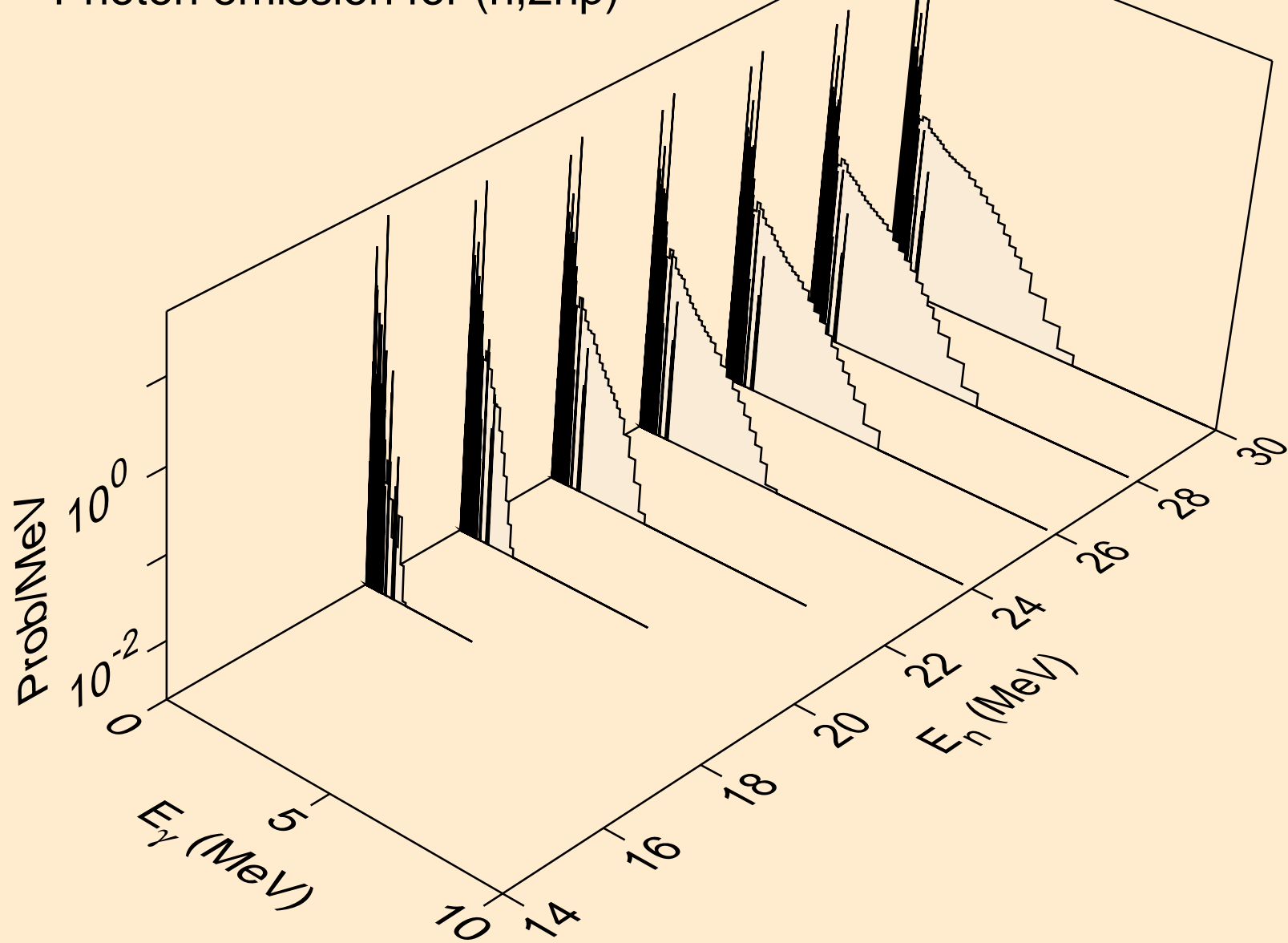
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



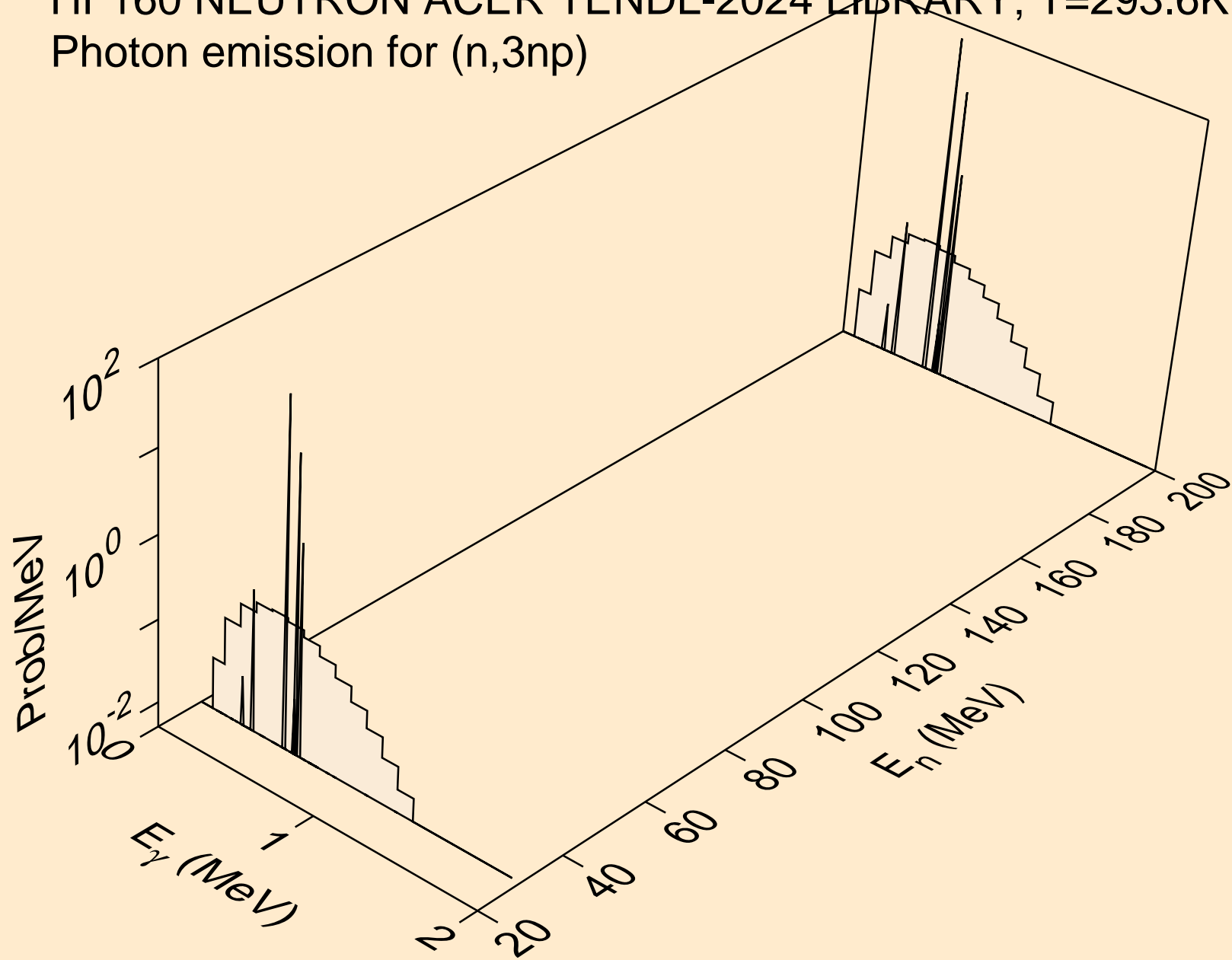
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



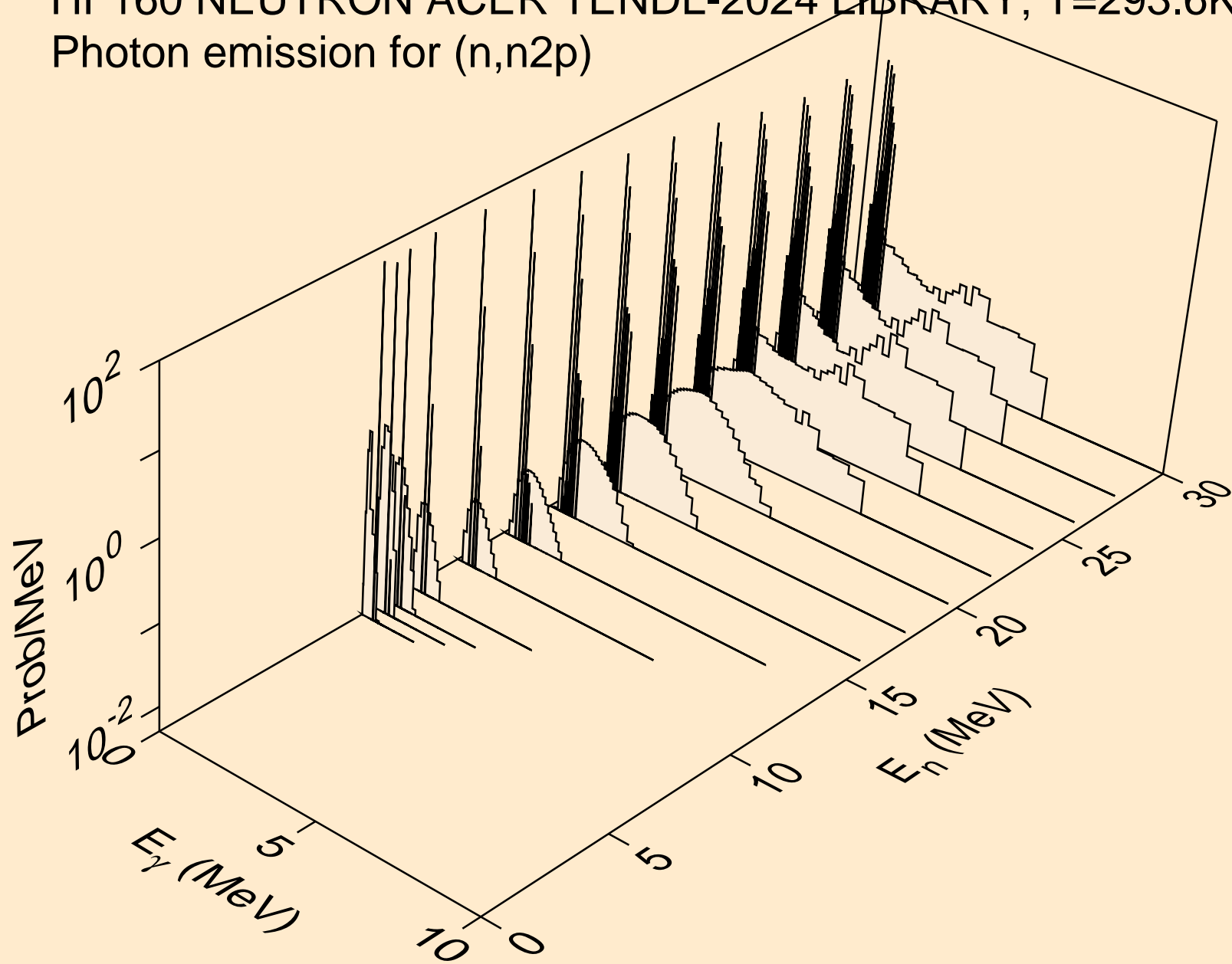
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



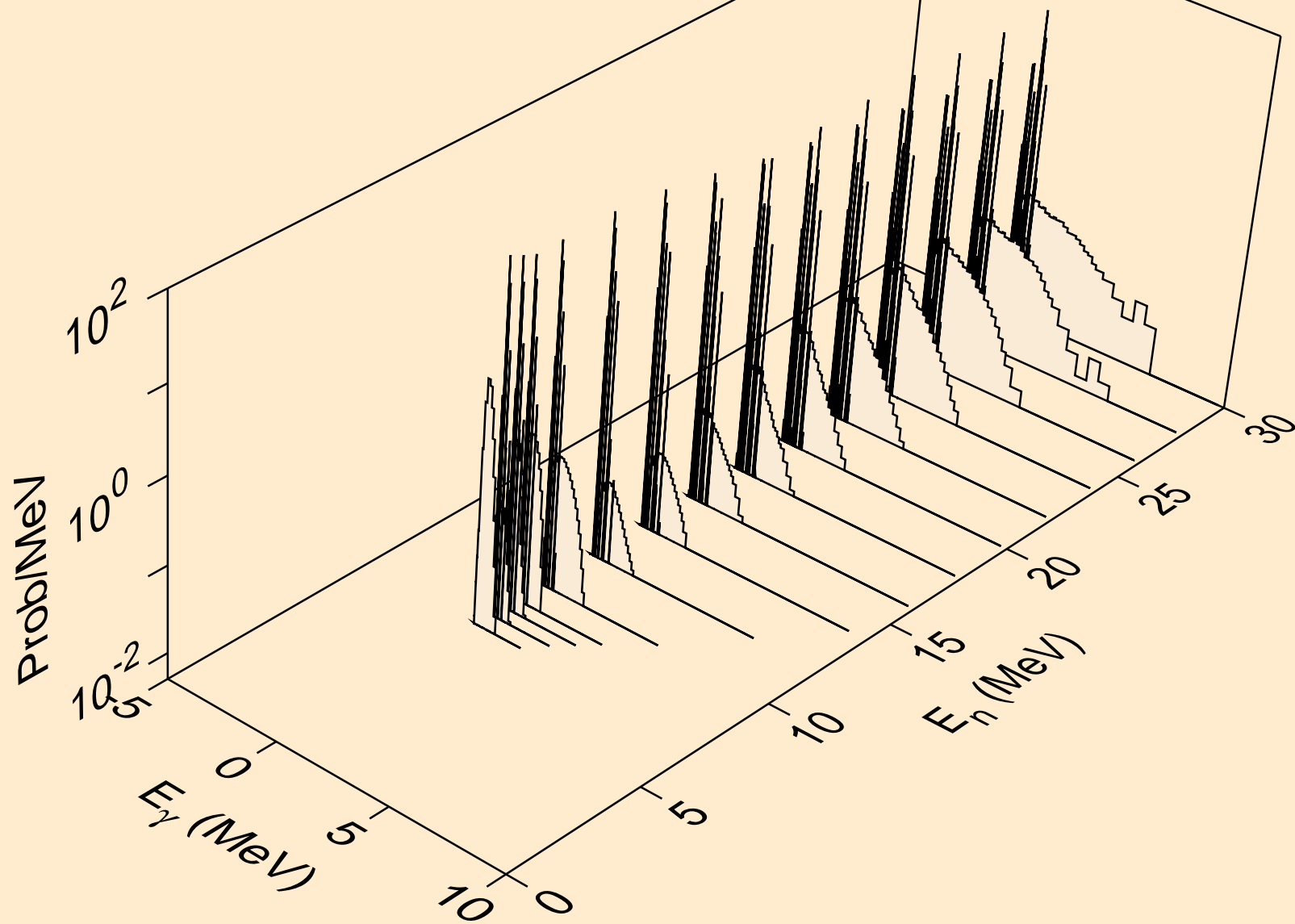
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



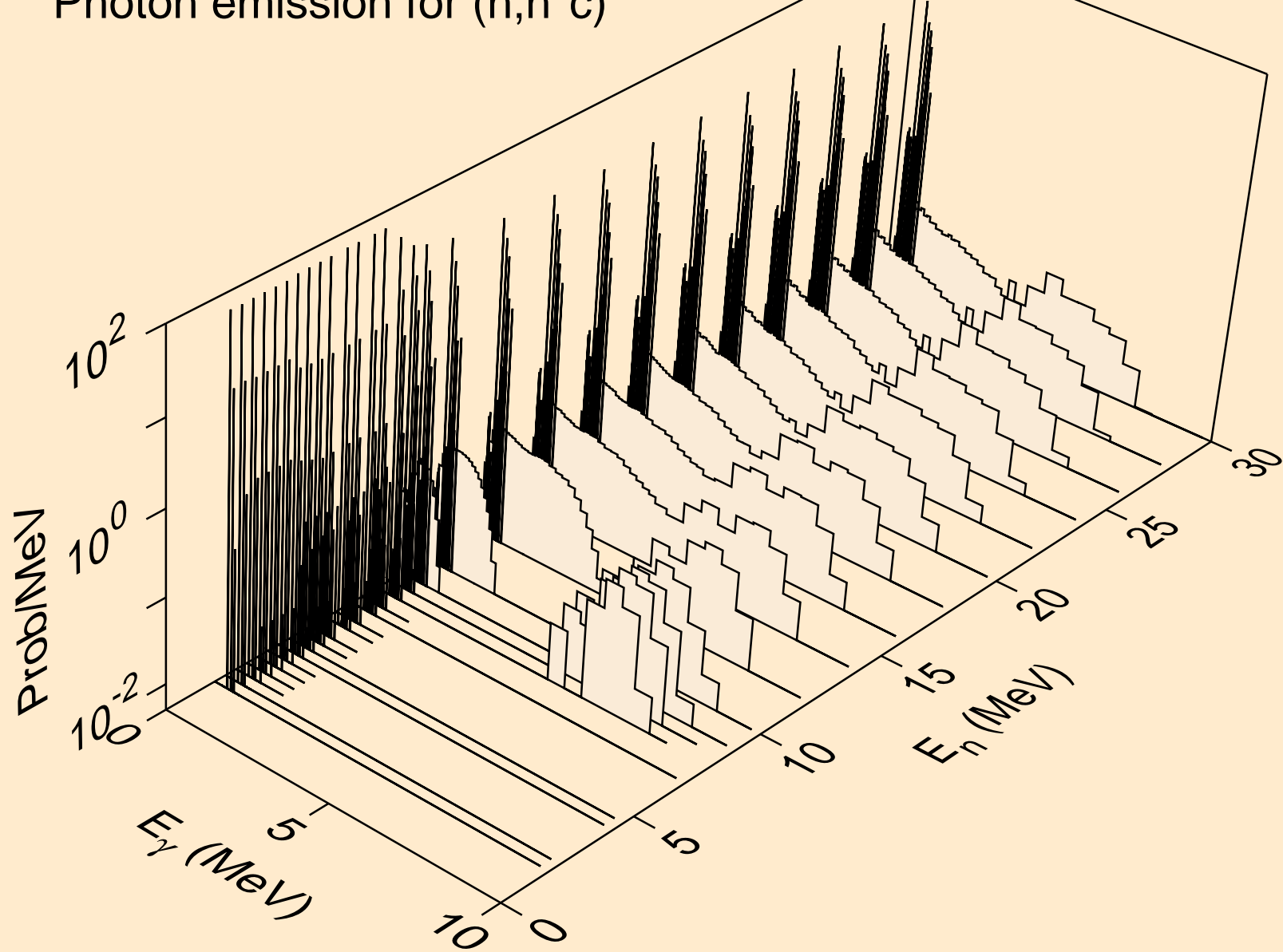
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



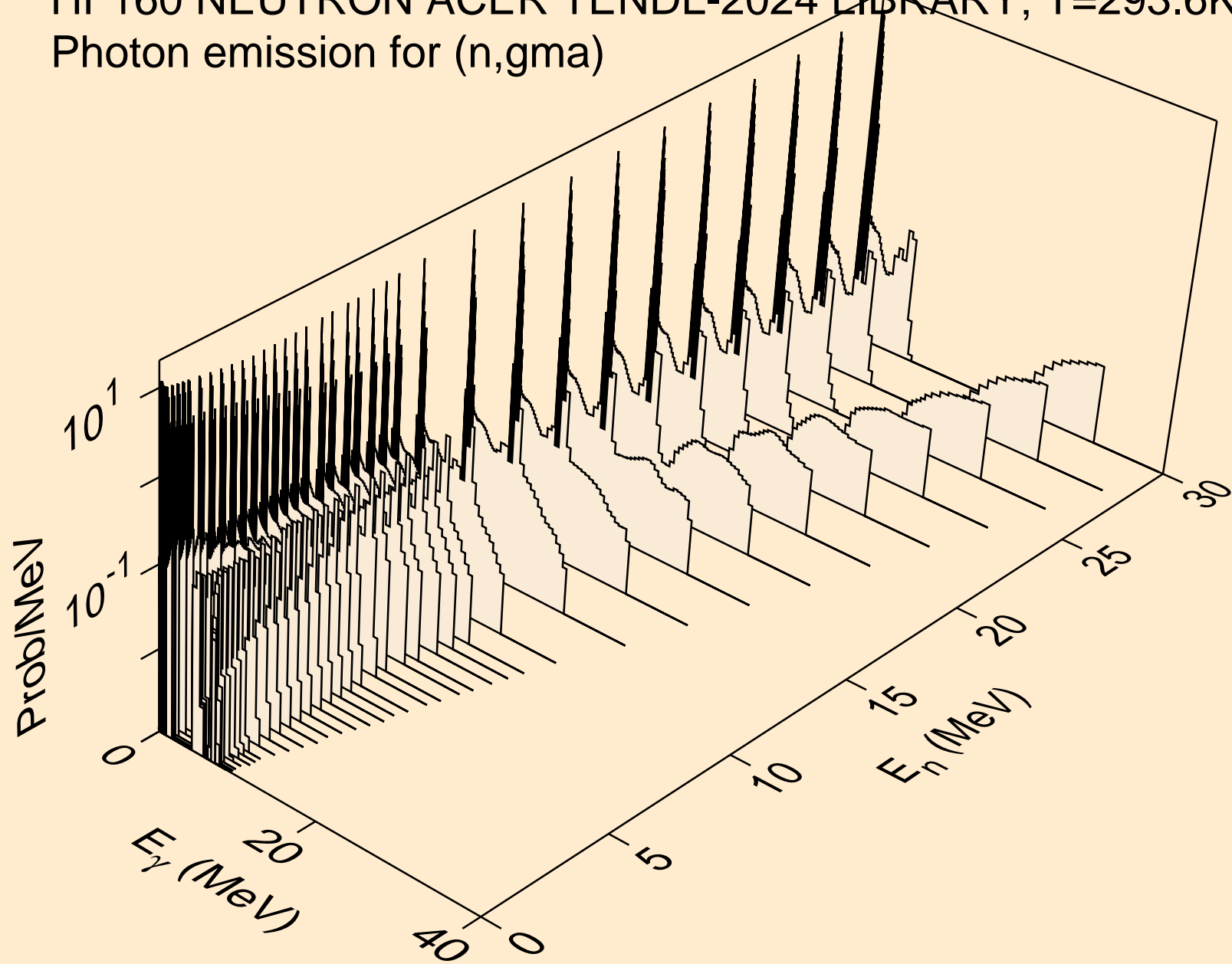
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



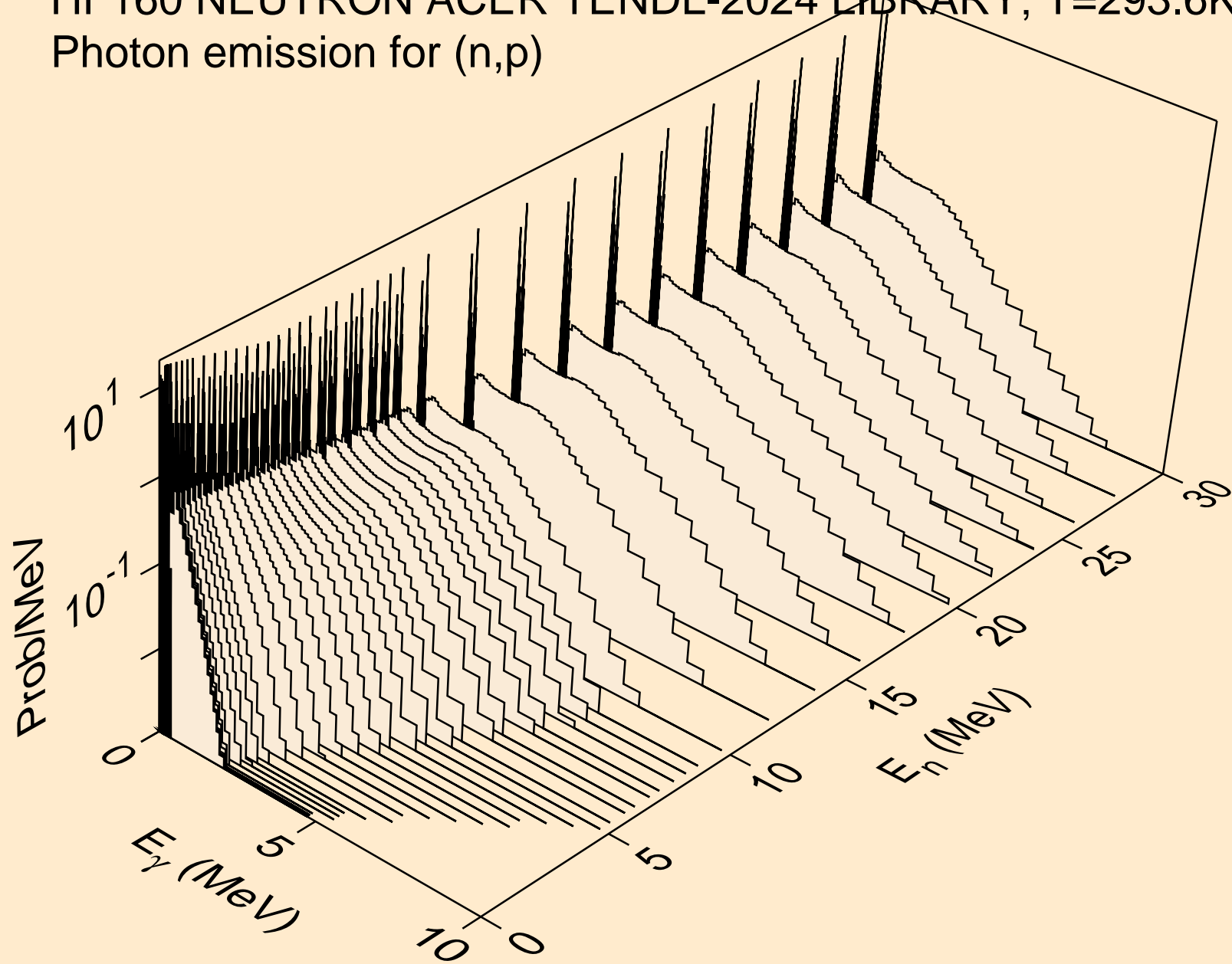
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



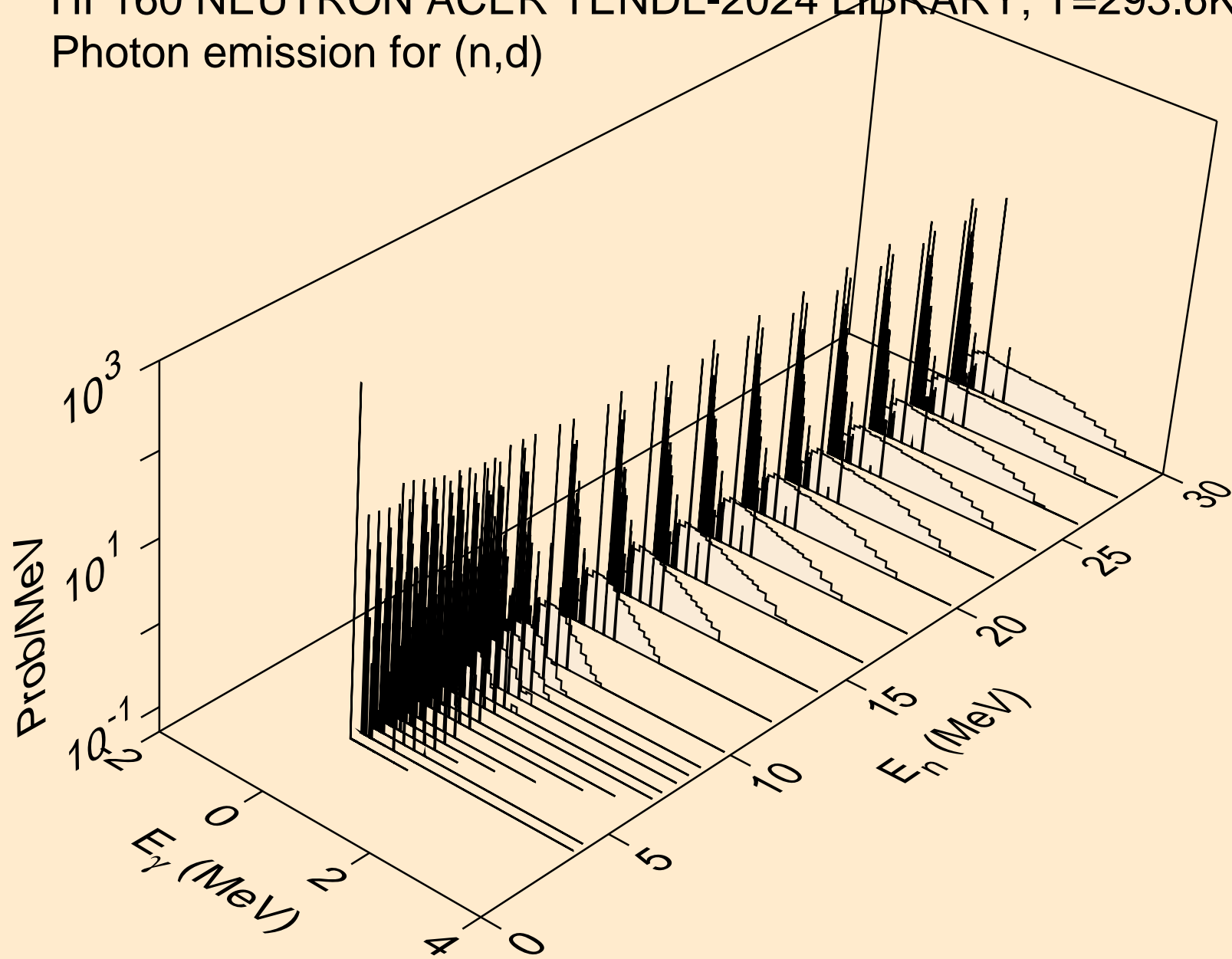
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Photon emission for (n,gma)



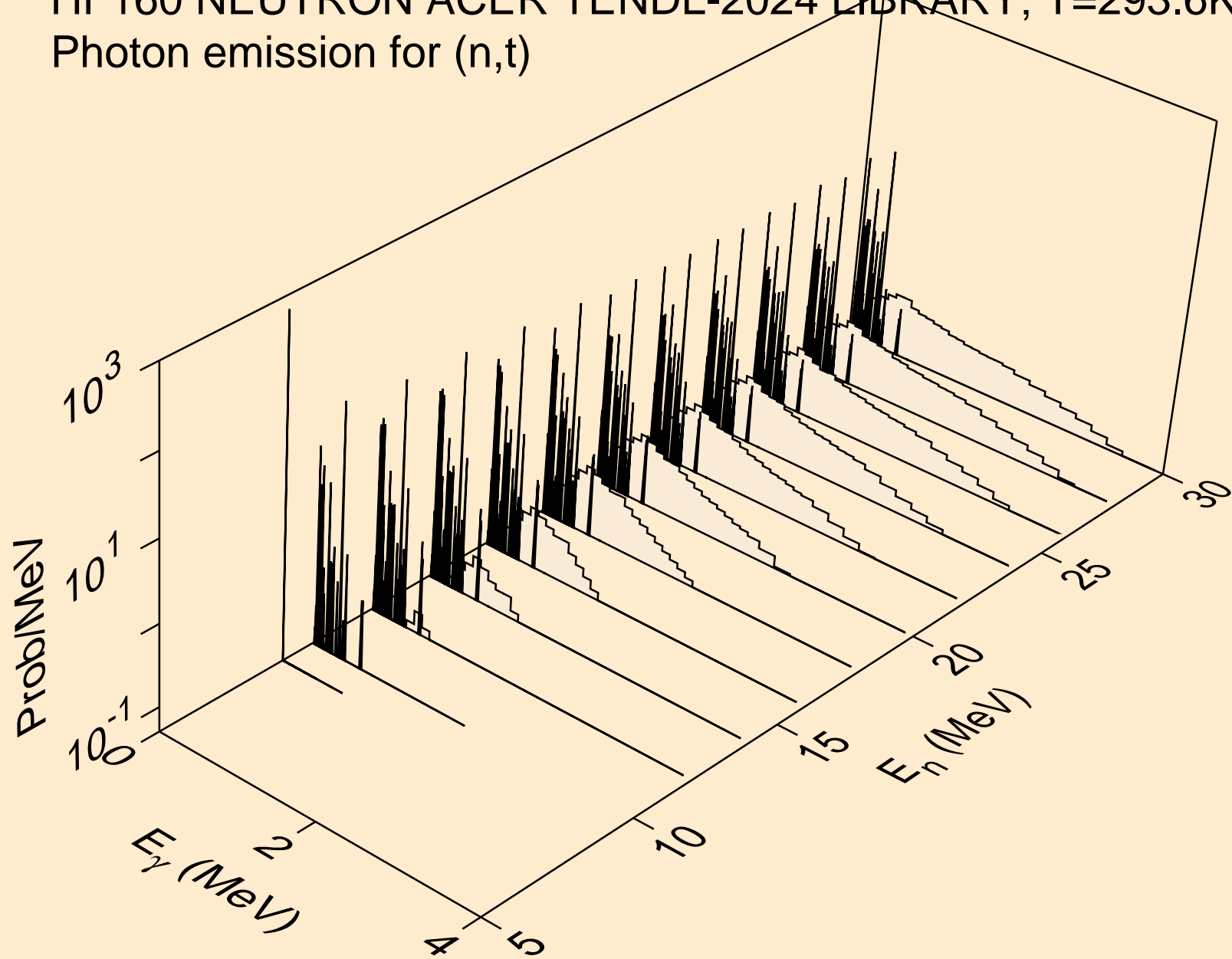
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Photon emission for (n,p)



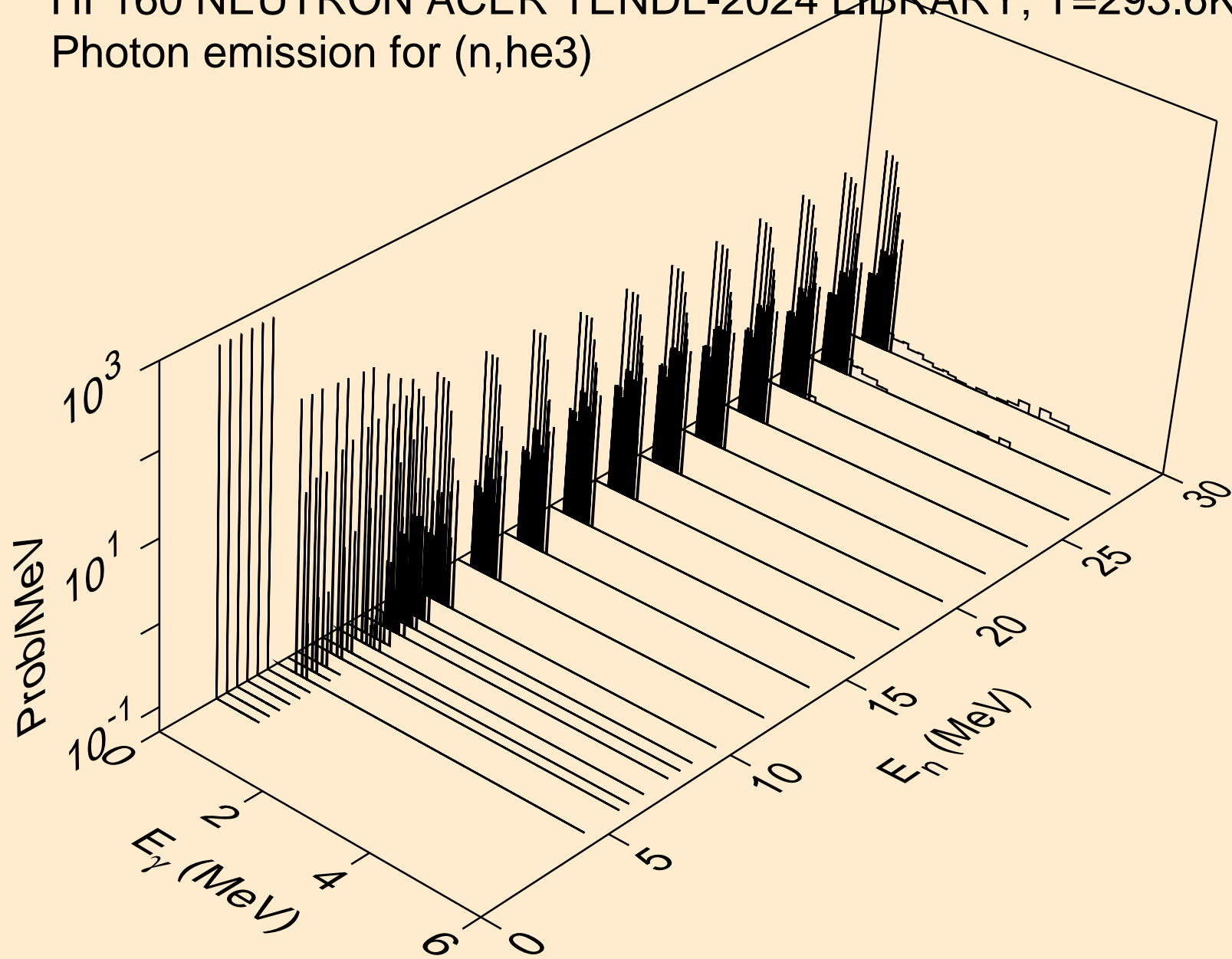
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Photon emission for (n,d)



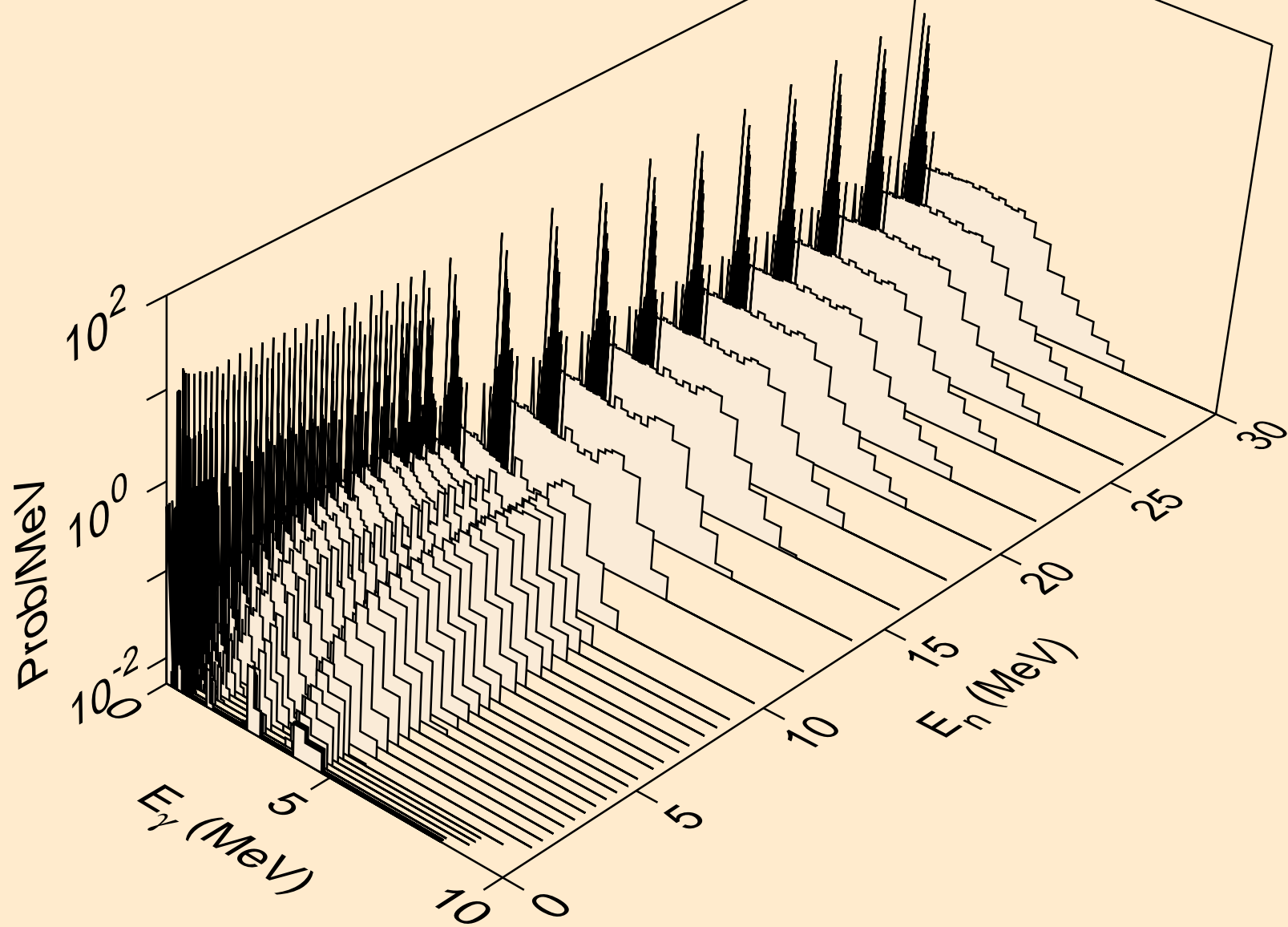
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



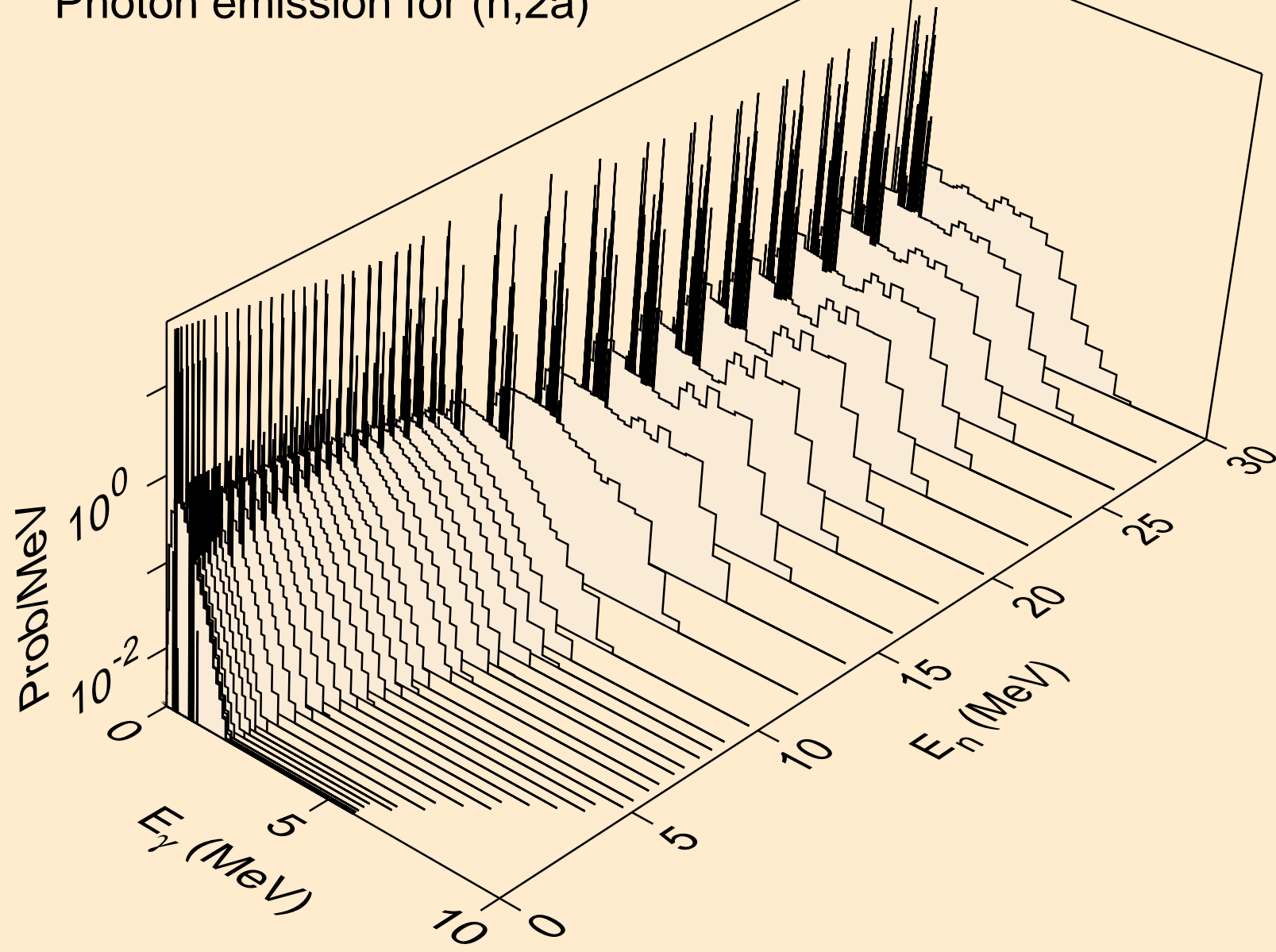
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



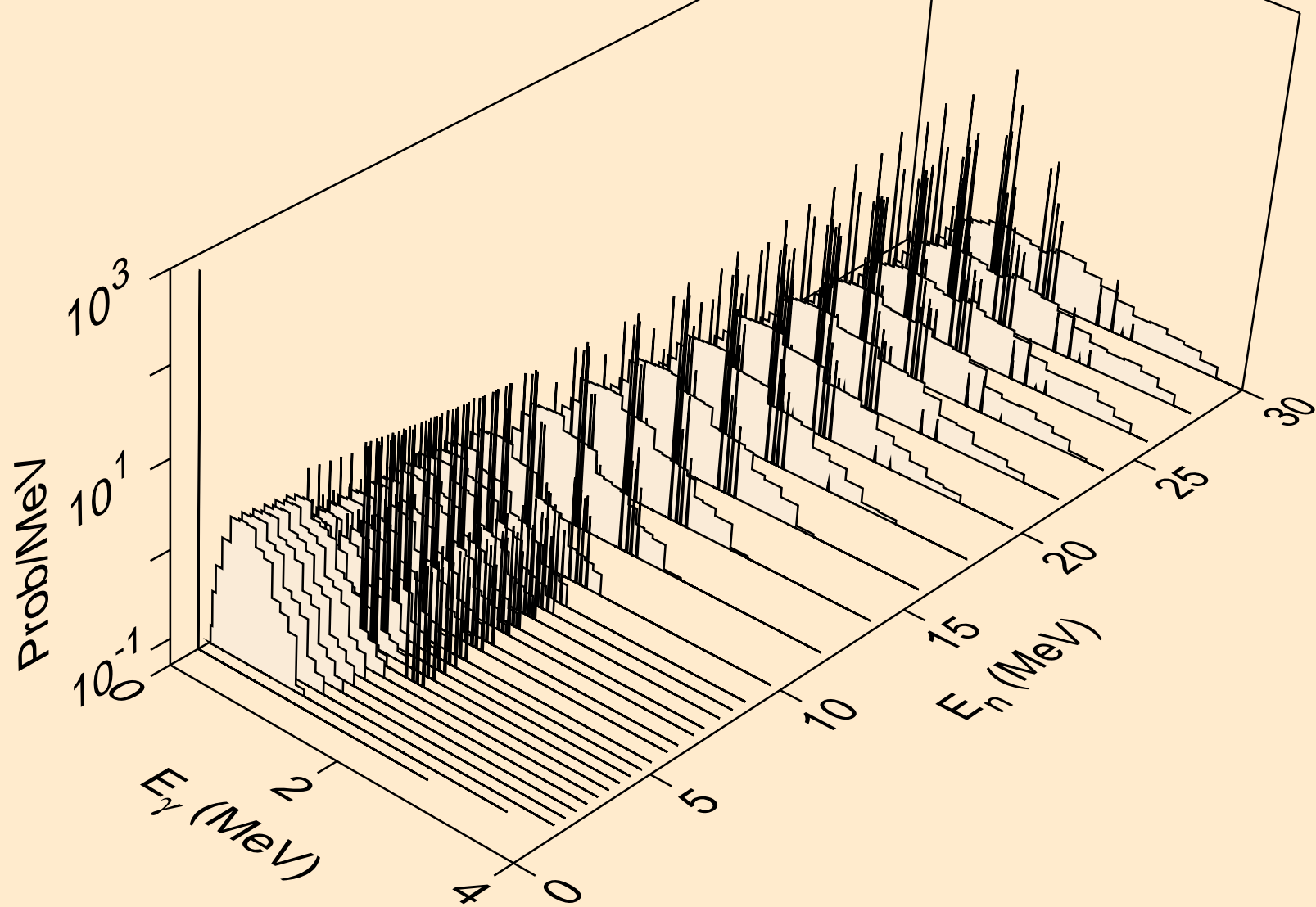
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Photon emission for (n,a)



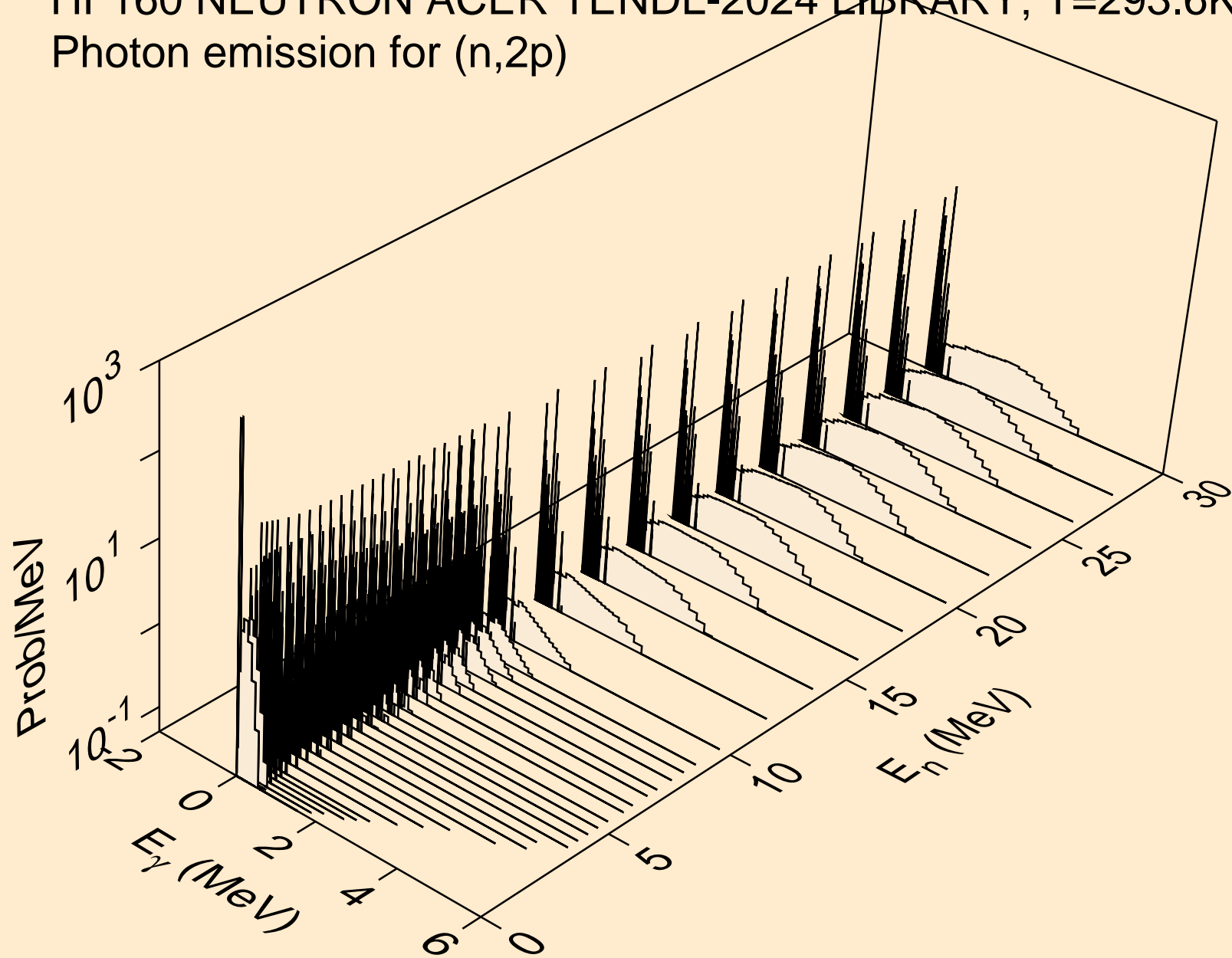
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



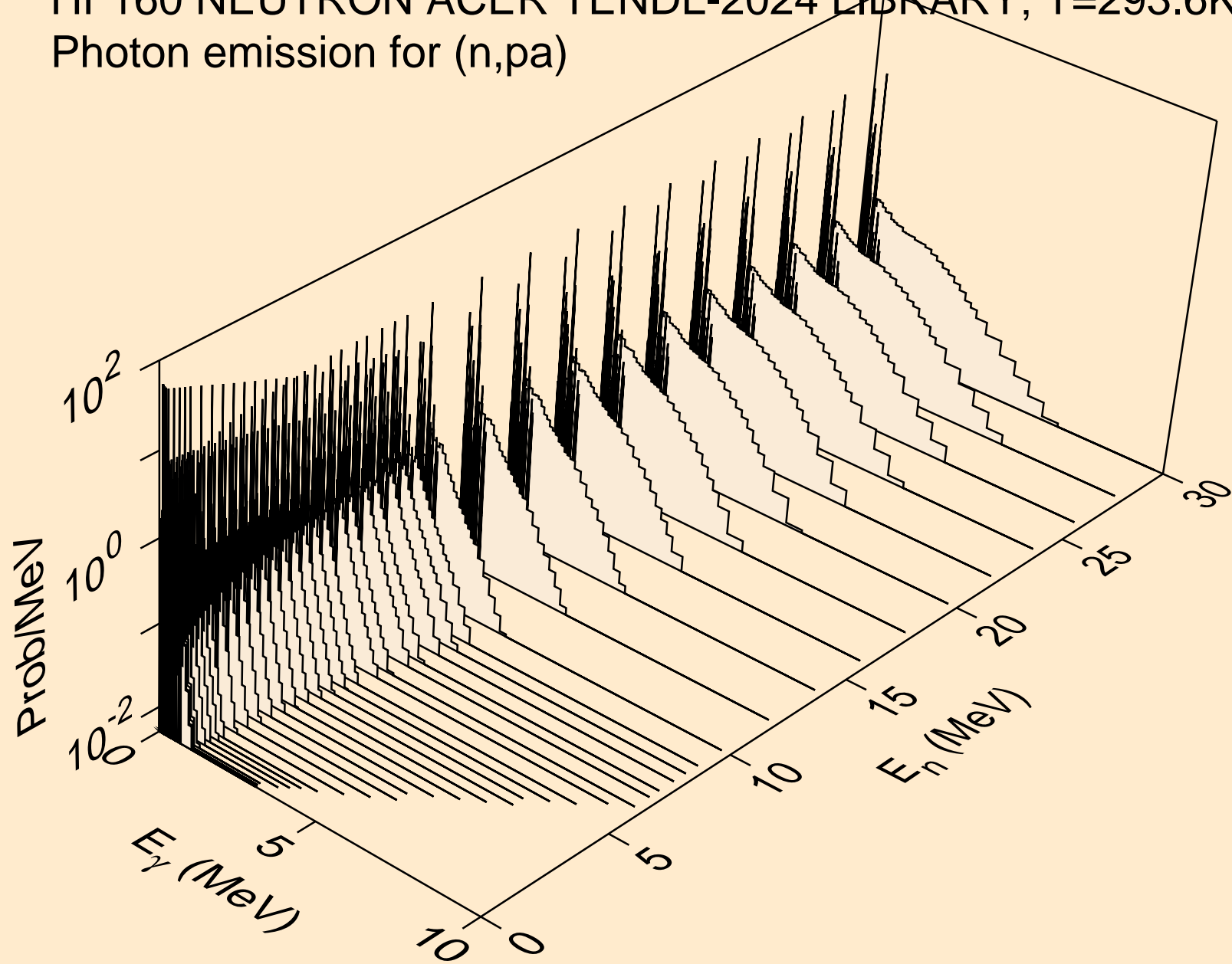
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Photon emission for (n,3a)



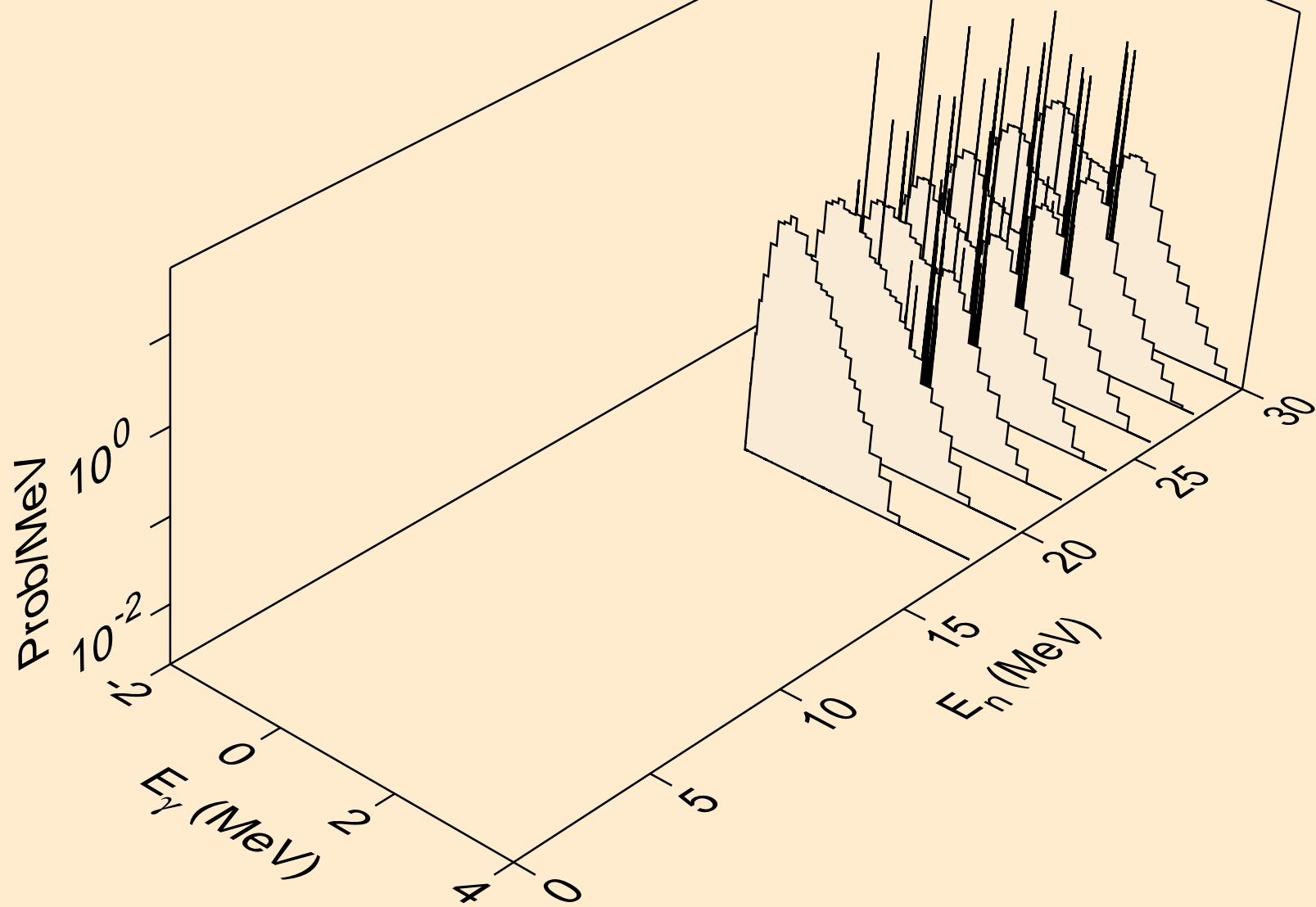
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Photon emission for (n,2p)



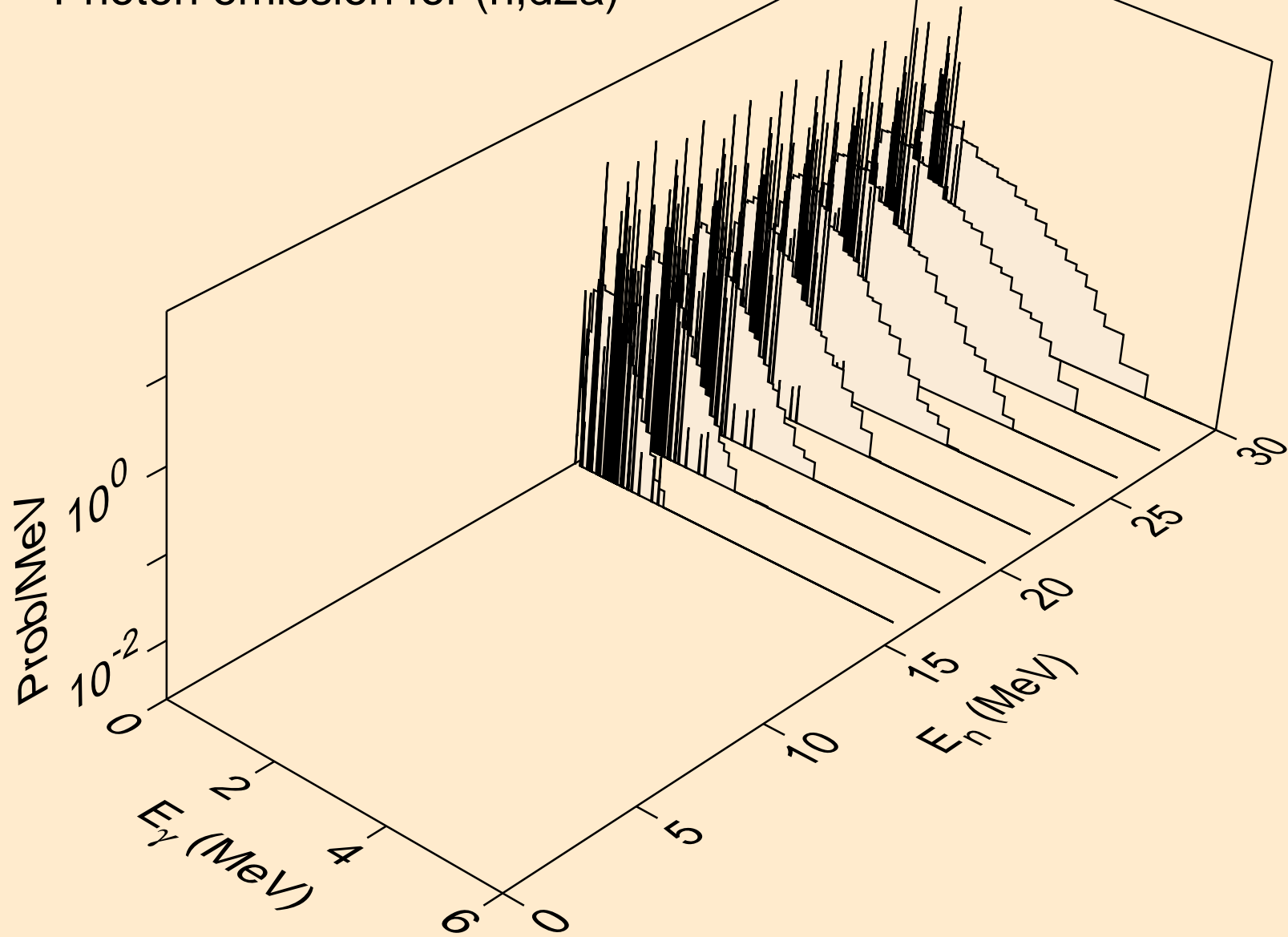
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Photon emission for (n,p)



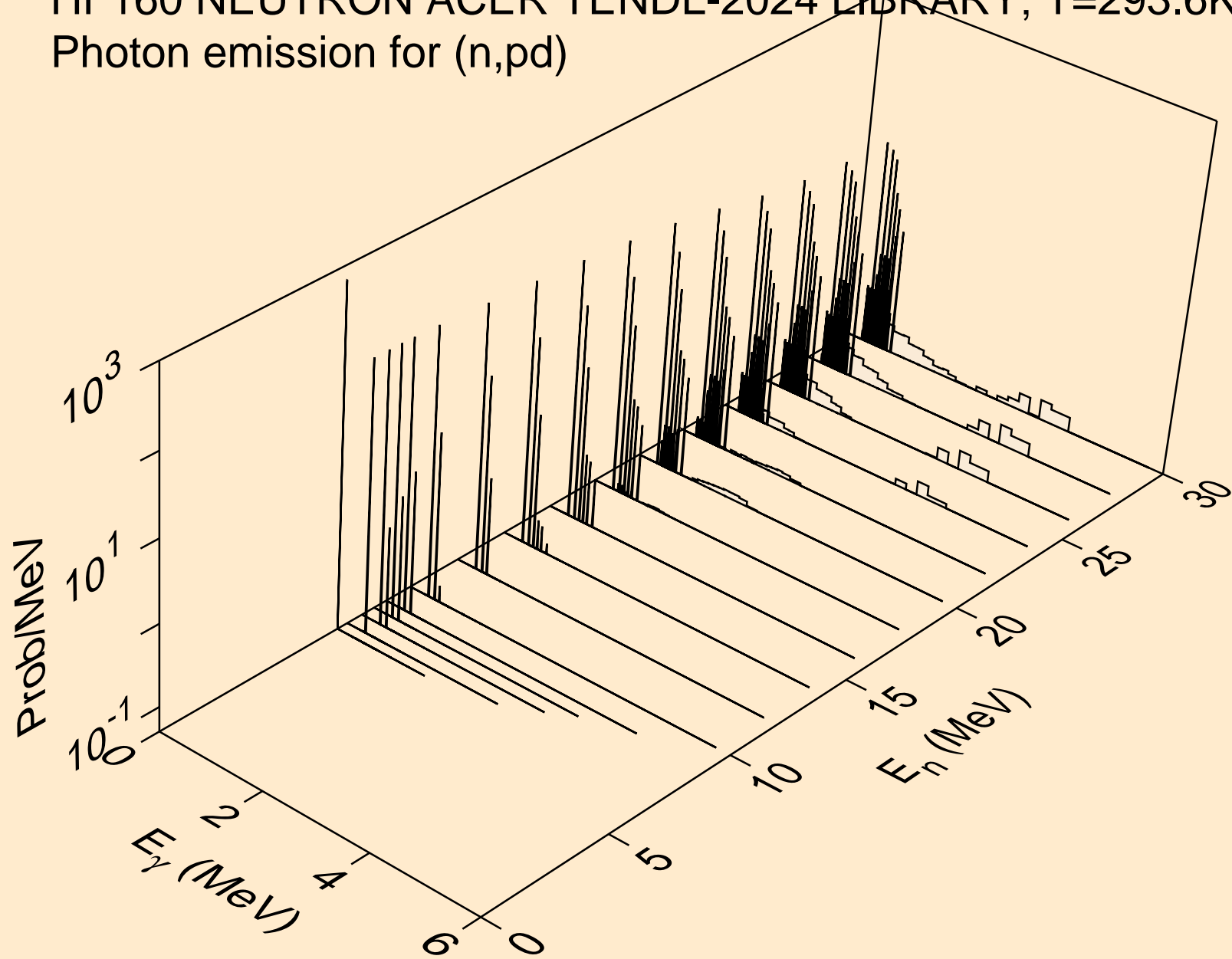
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t2a)



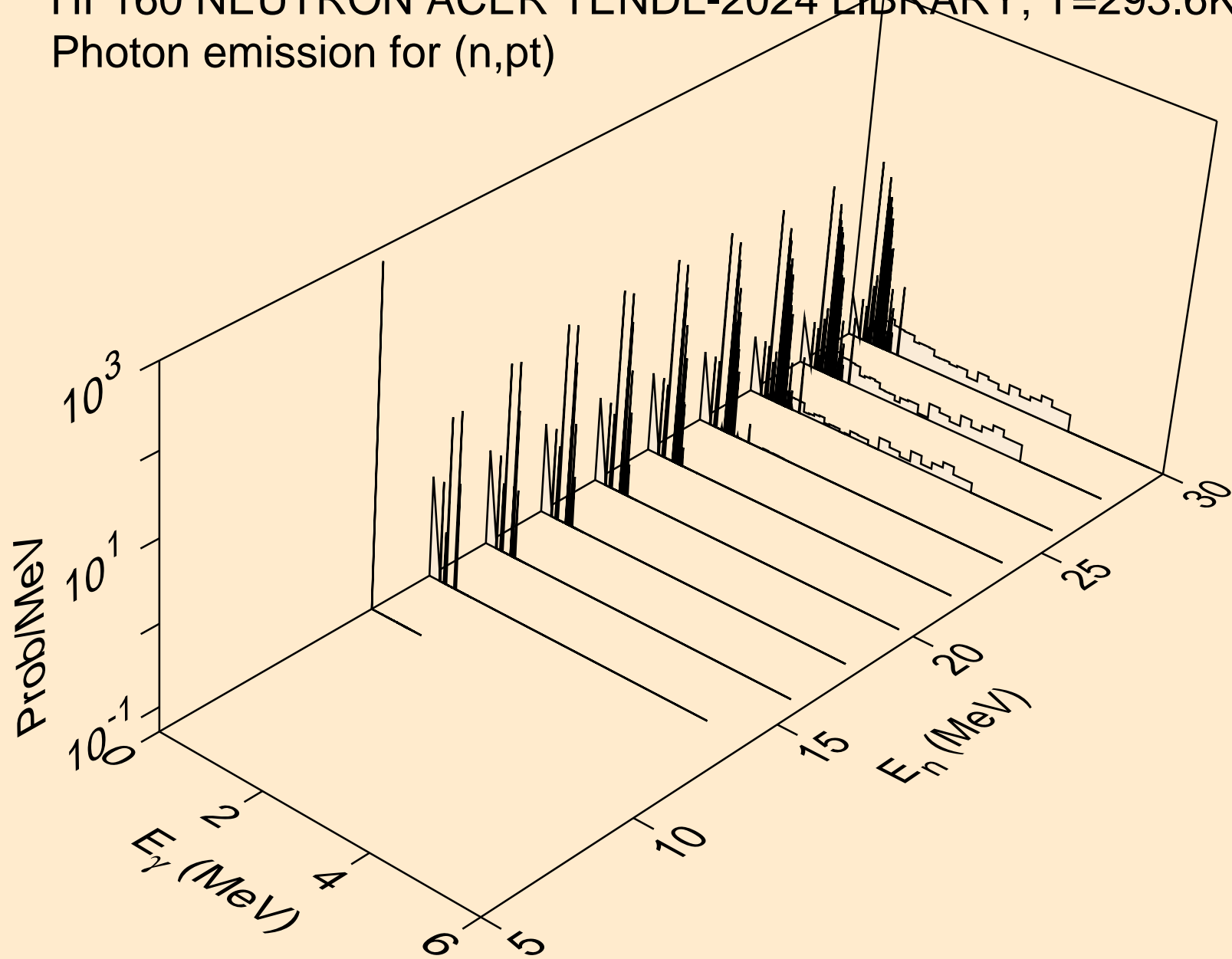
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



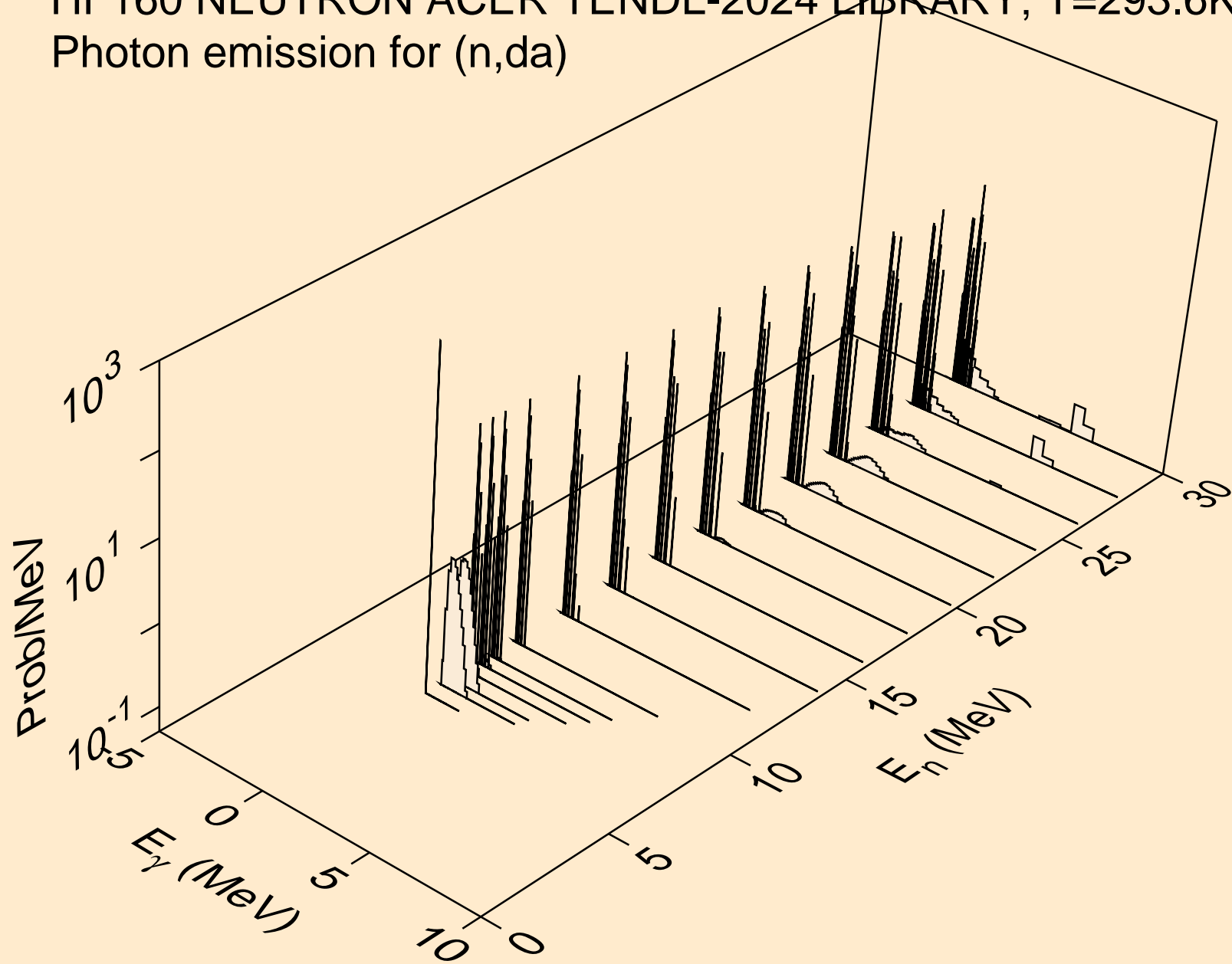
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



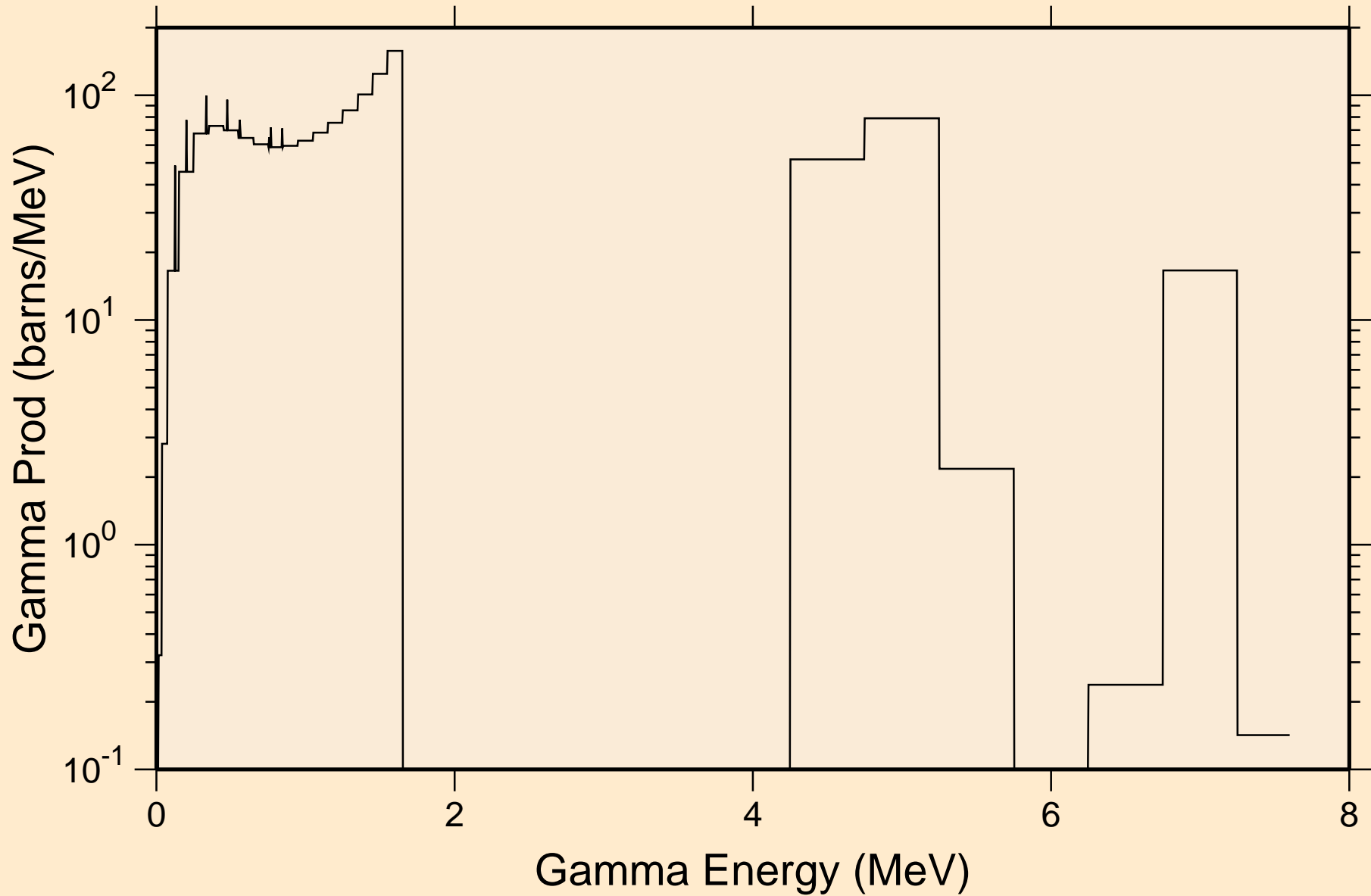
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



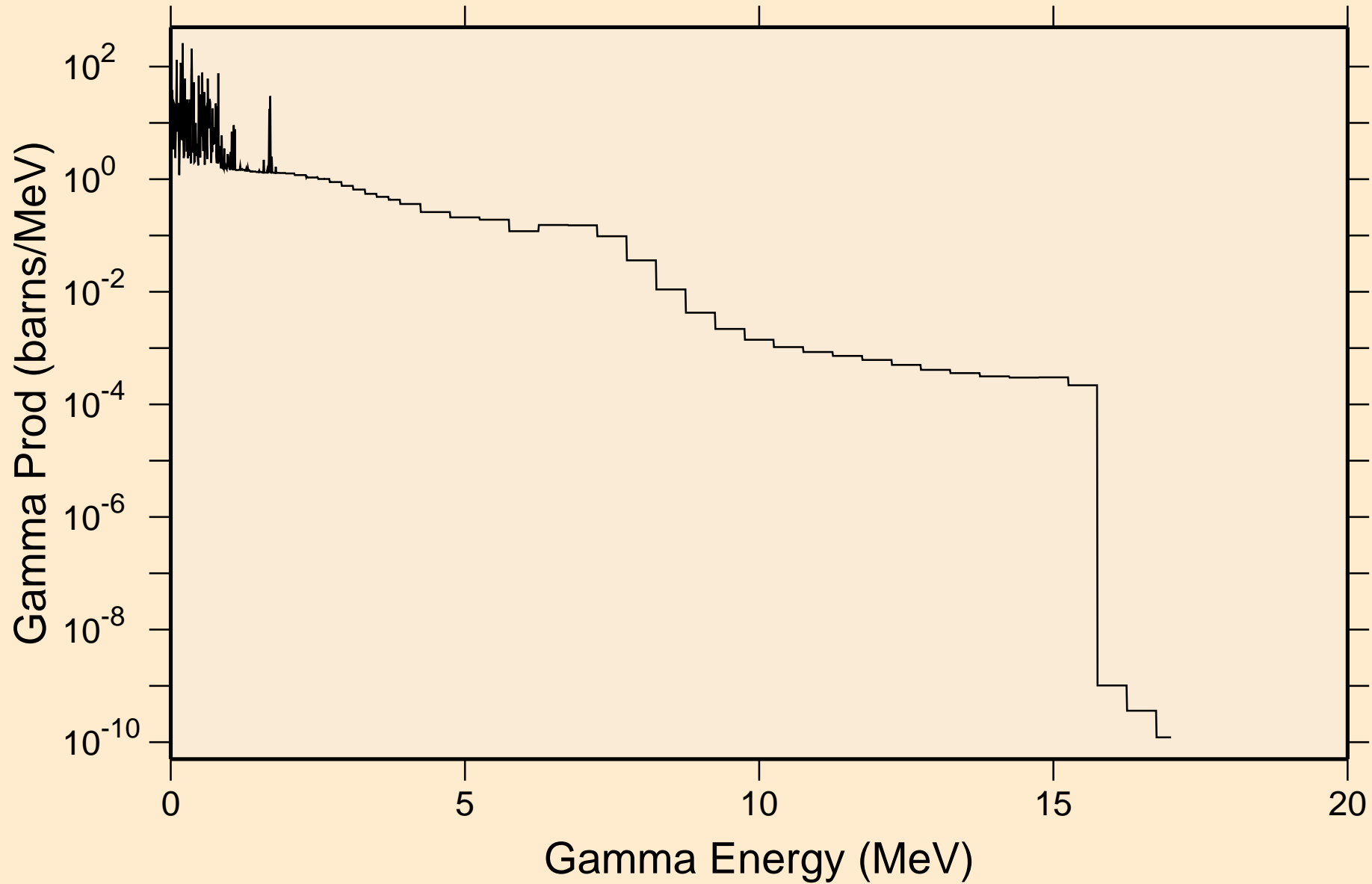
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

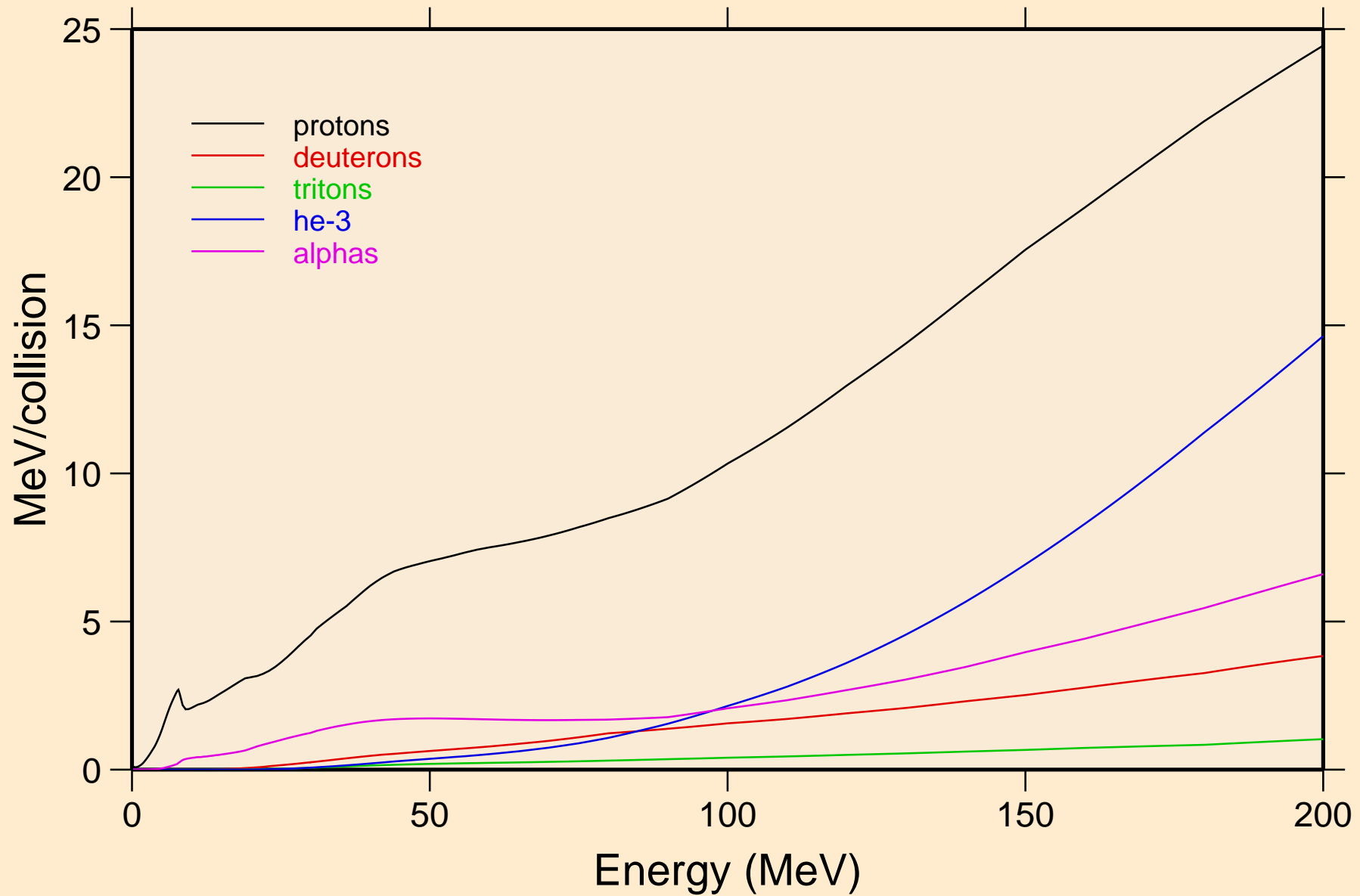


HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



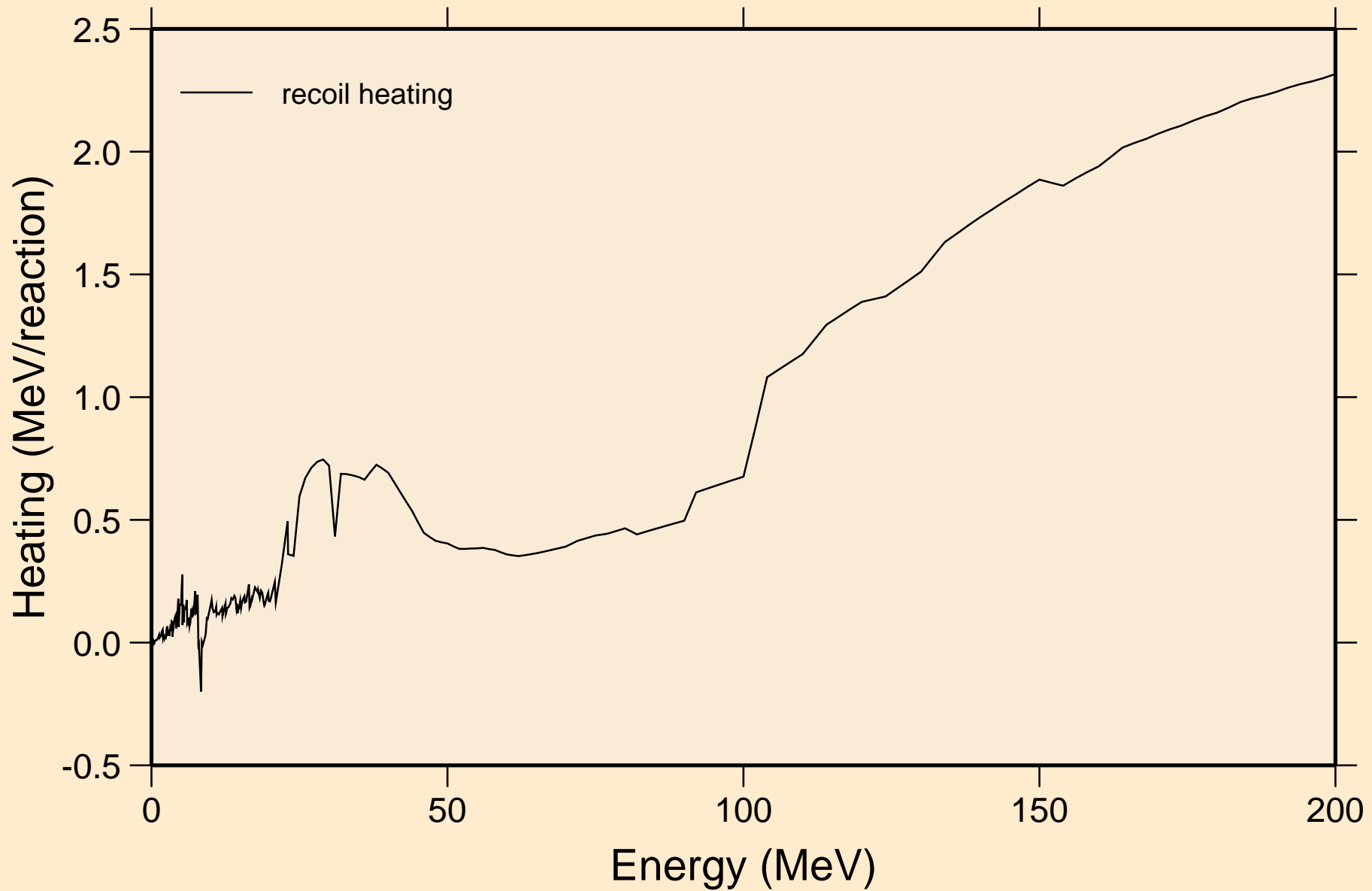
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## Particle heating contributions



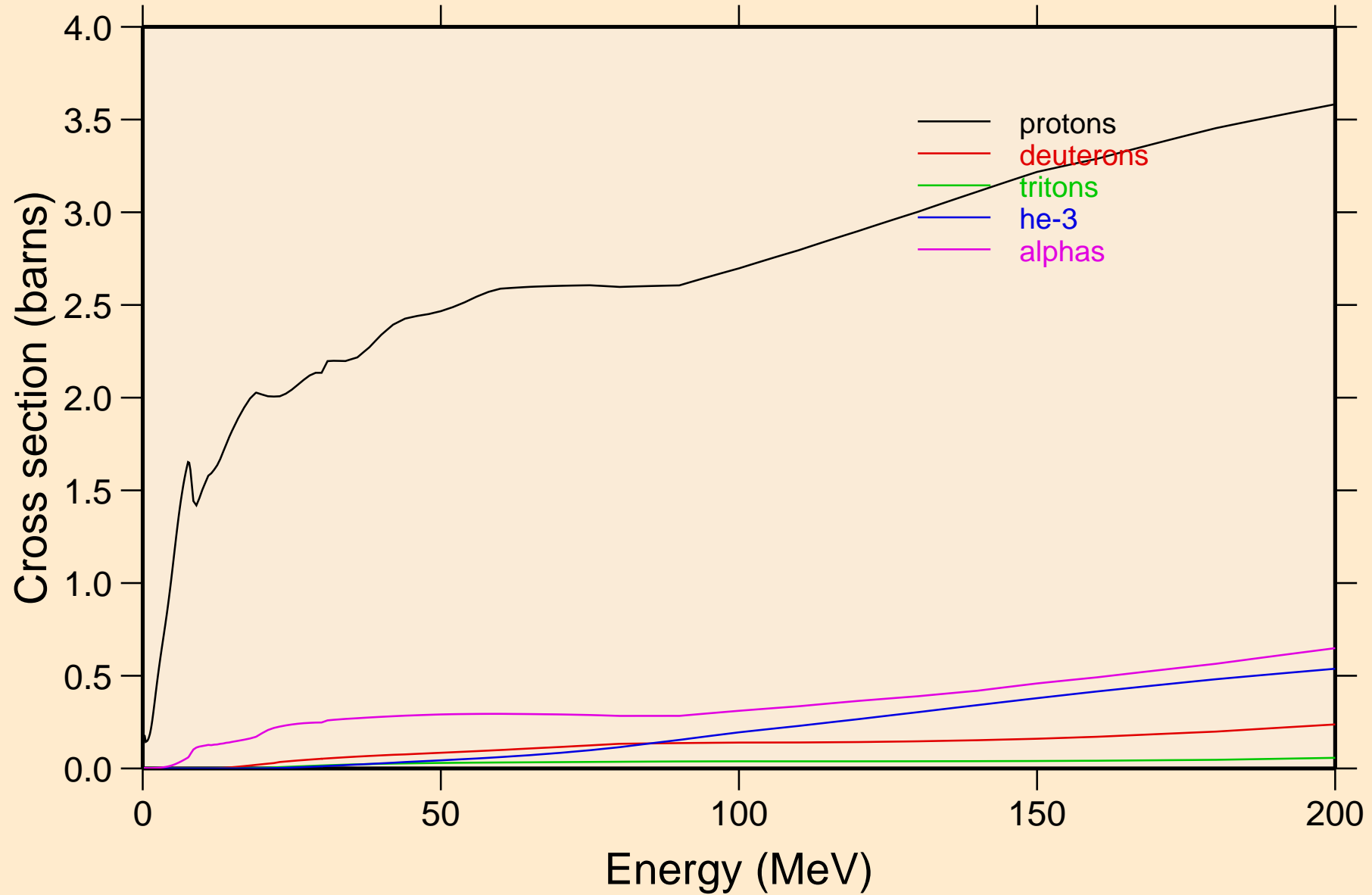
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## Recoil Heating

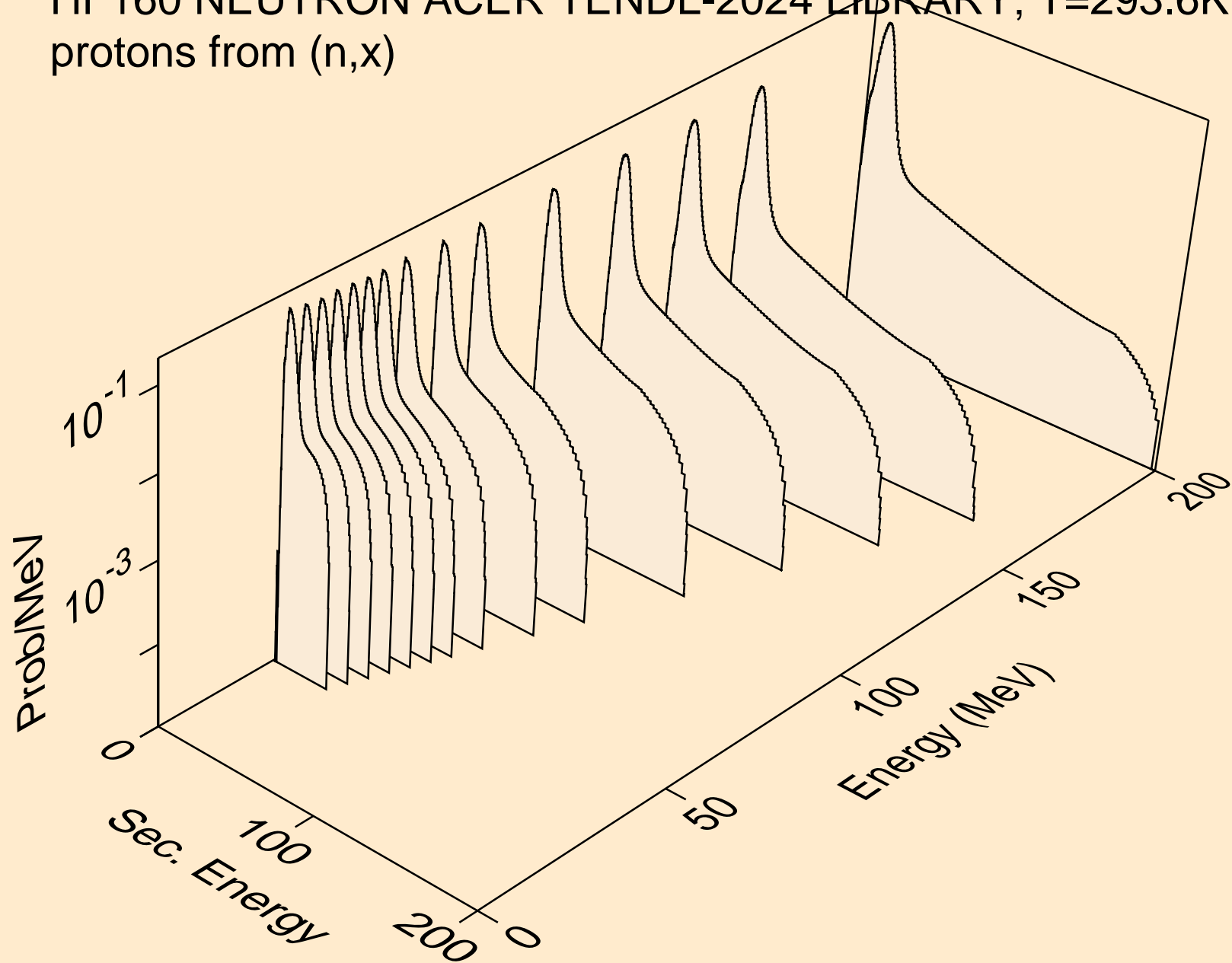


# HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

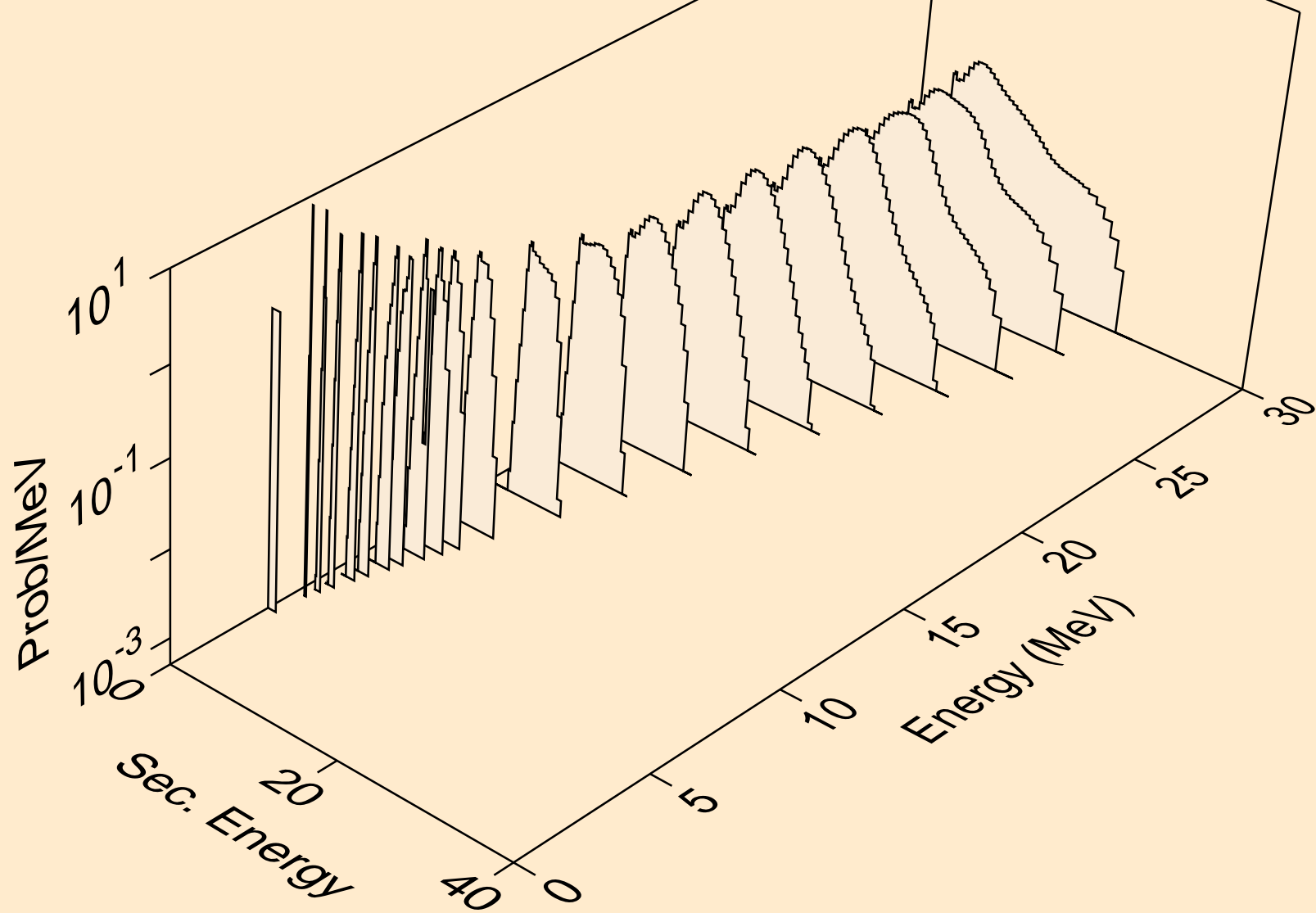
## Particle production cross sections



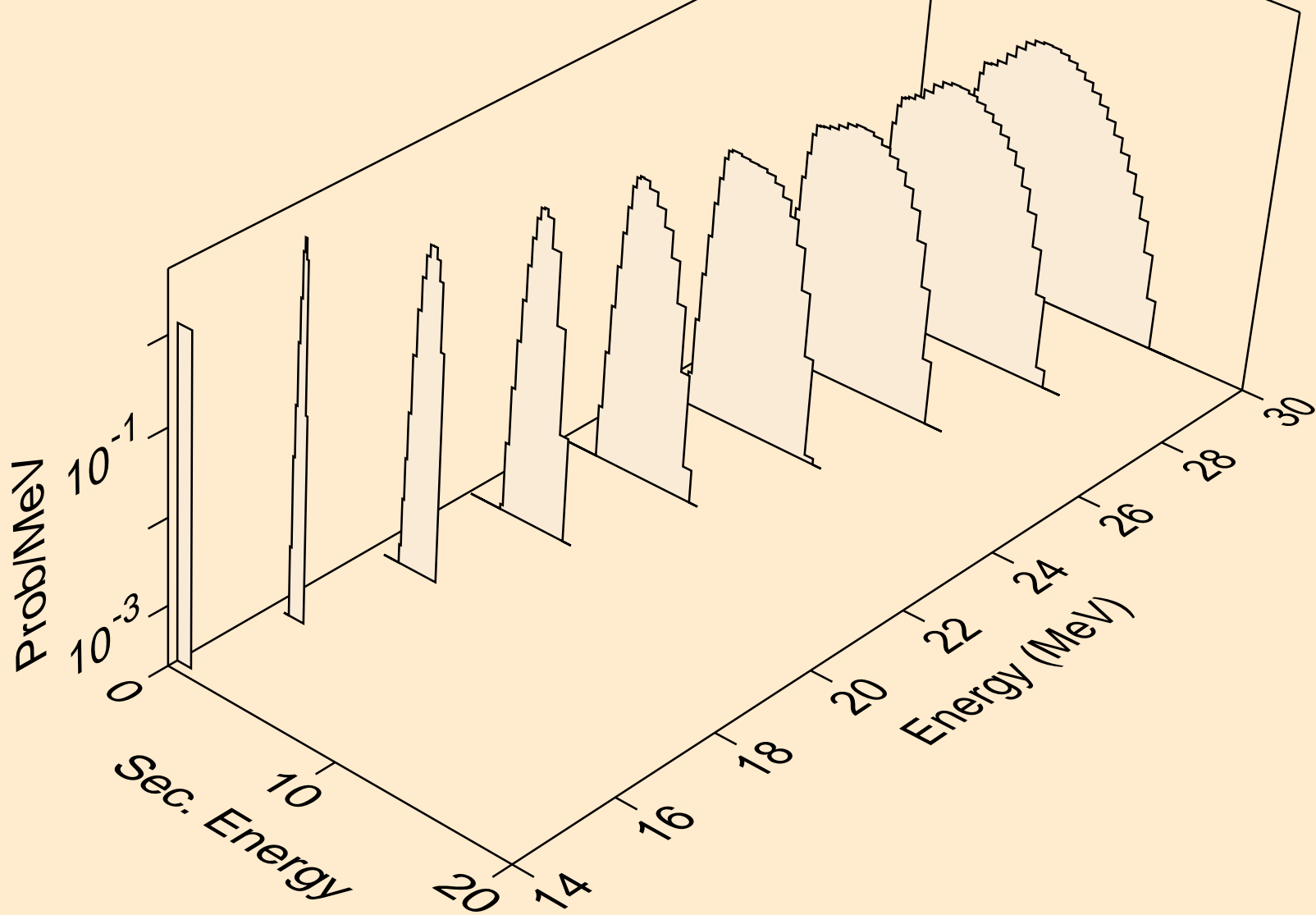
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



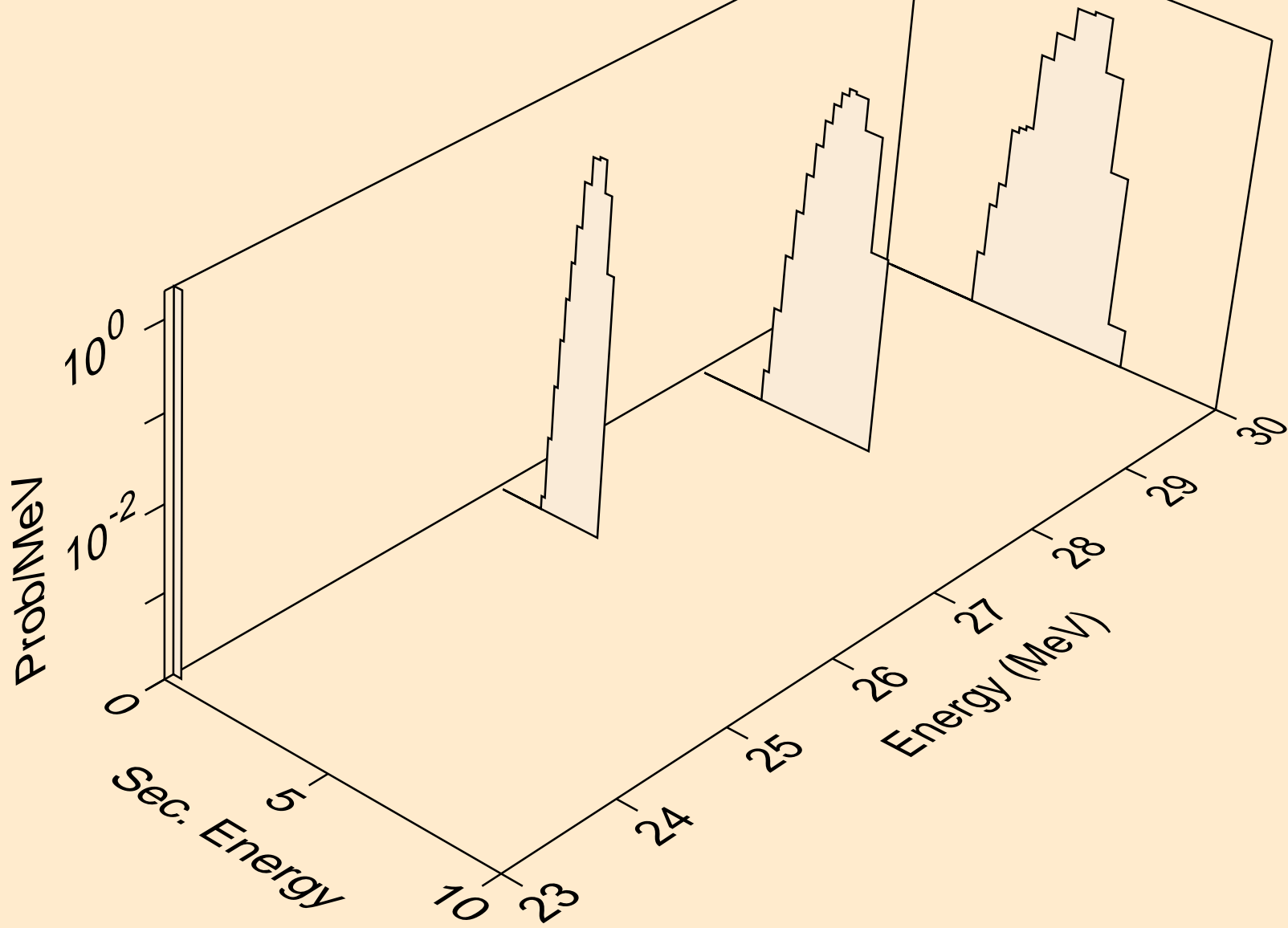
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



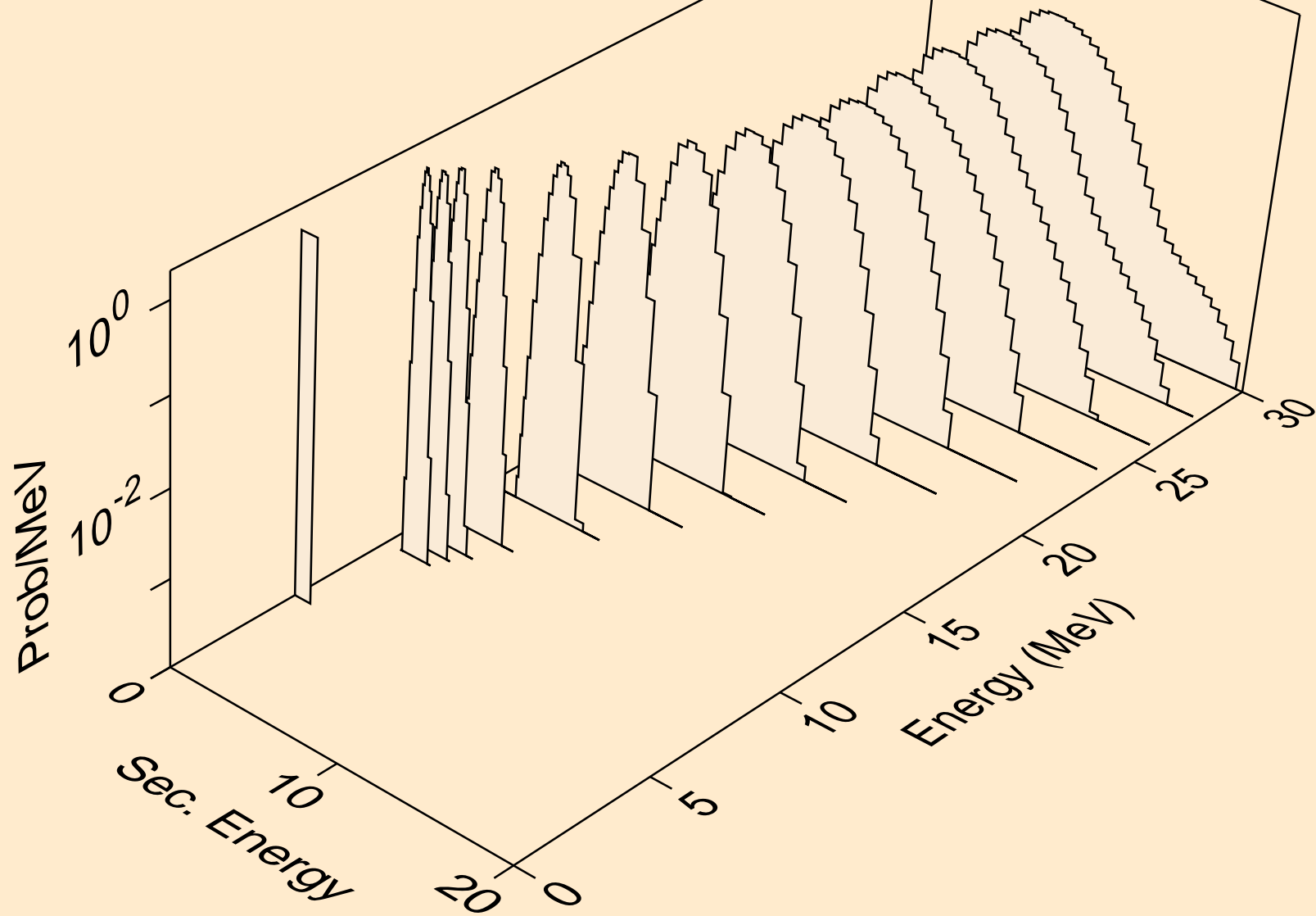
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



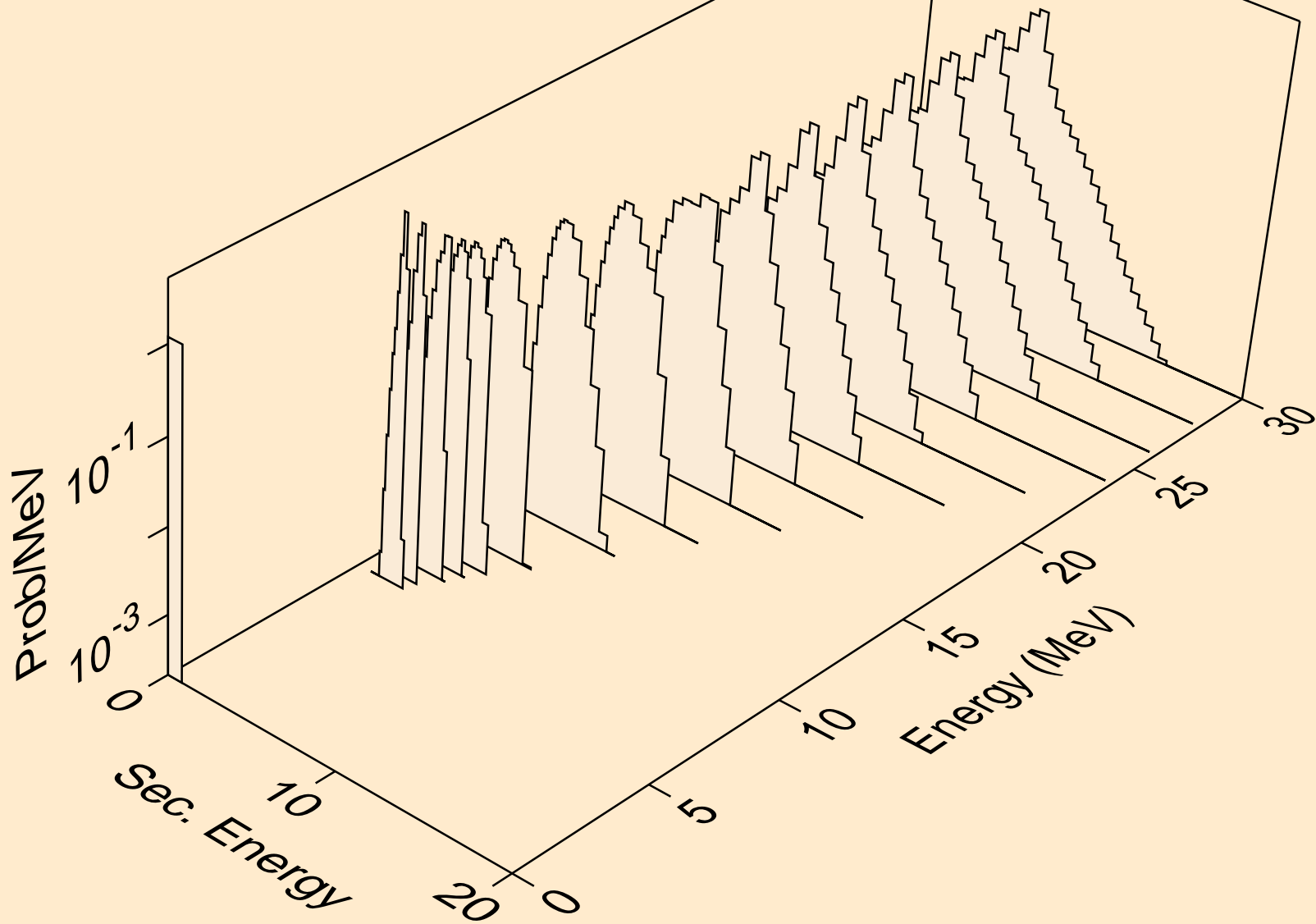
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protons from (n,3np)



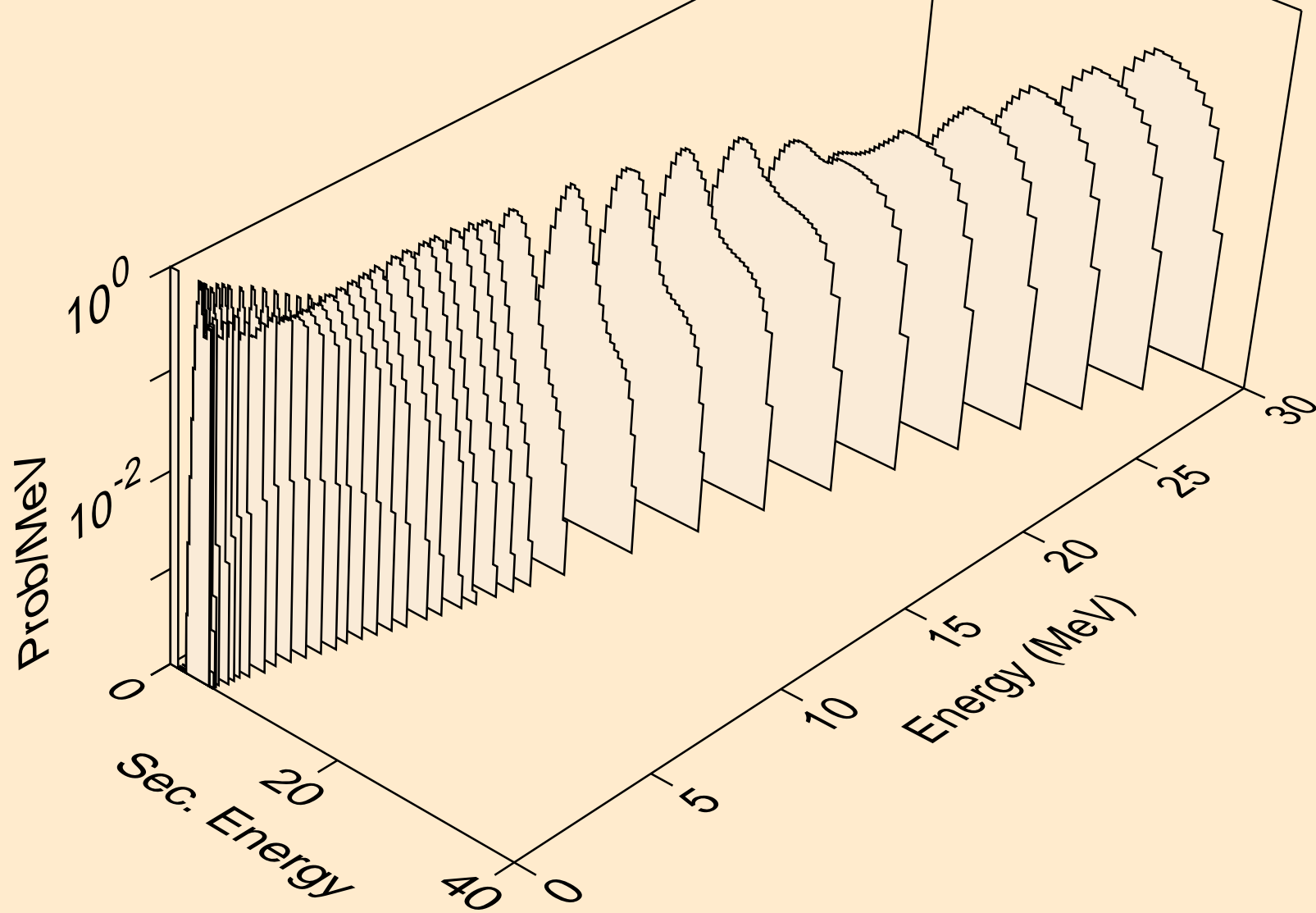
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protons from (n,n2p)



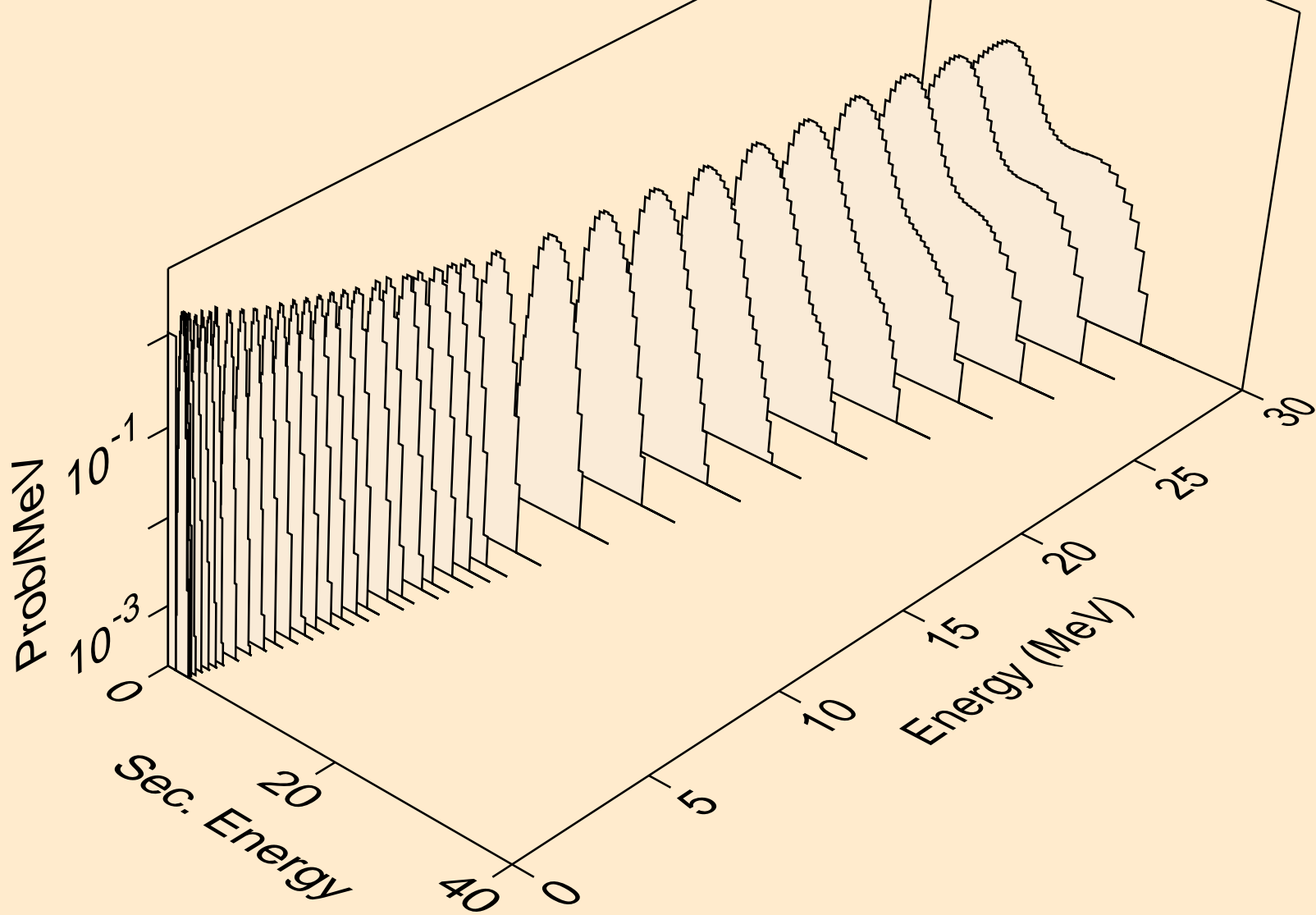
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protons from (n,npa)



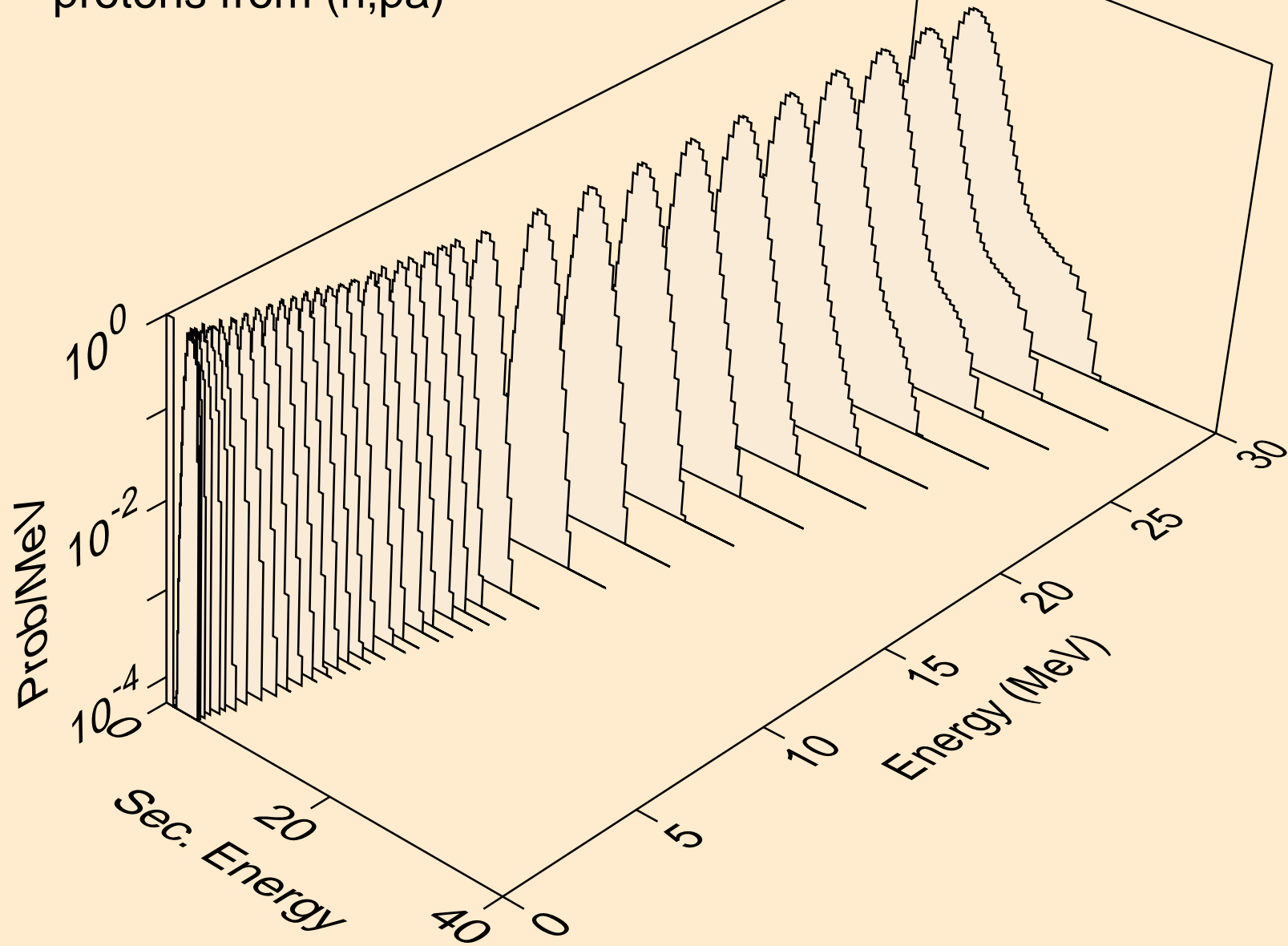
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protons from (n,p)



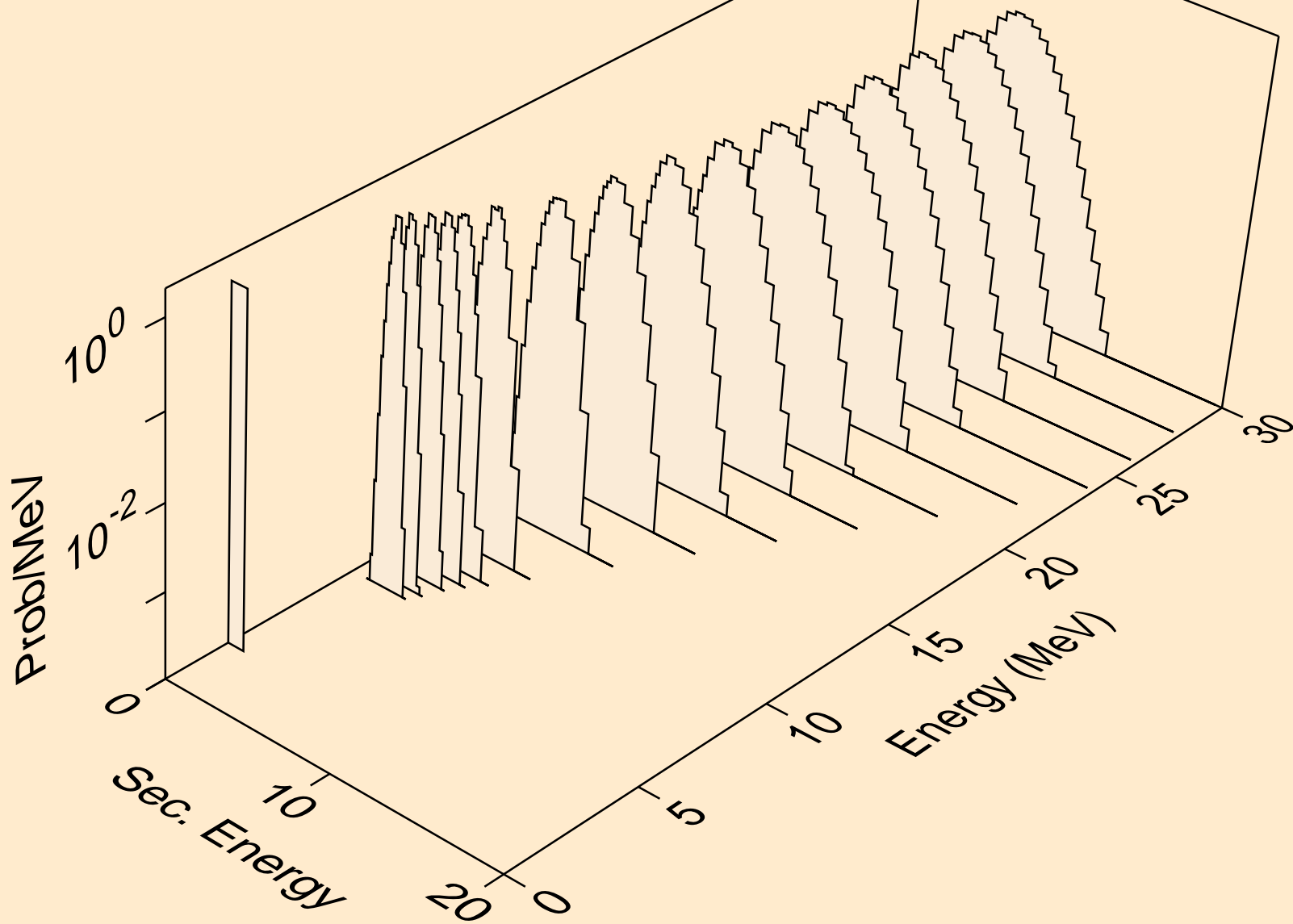
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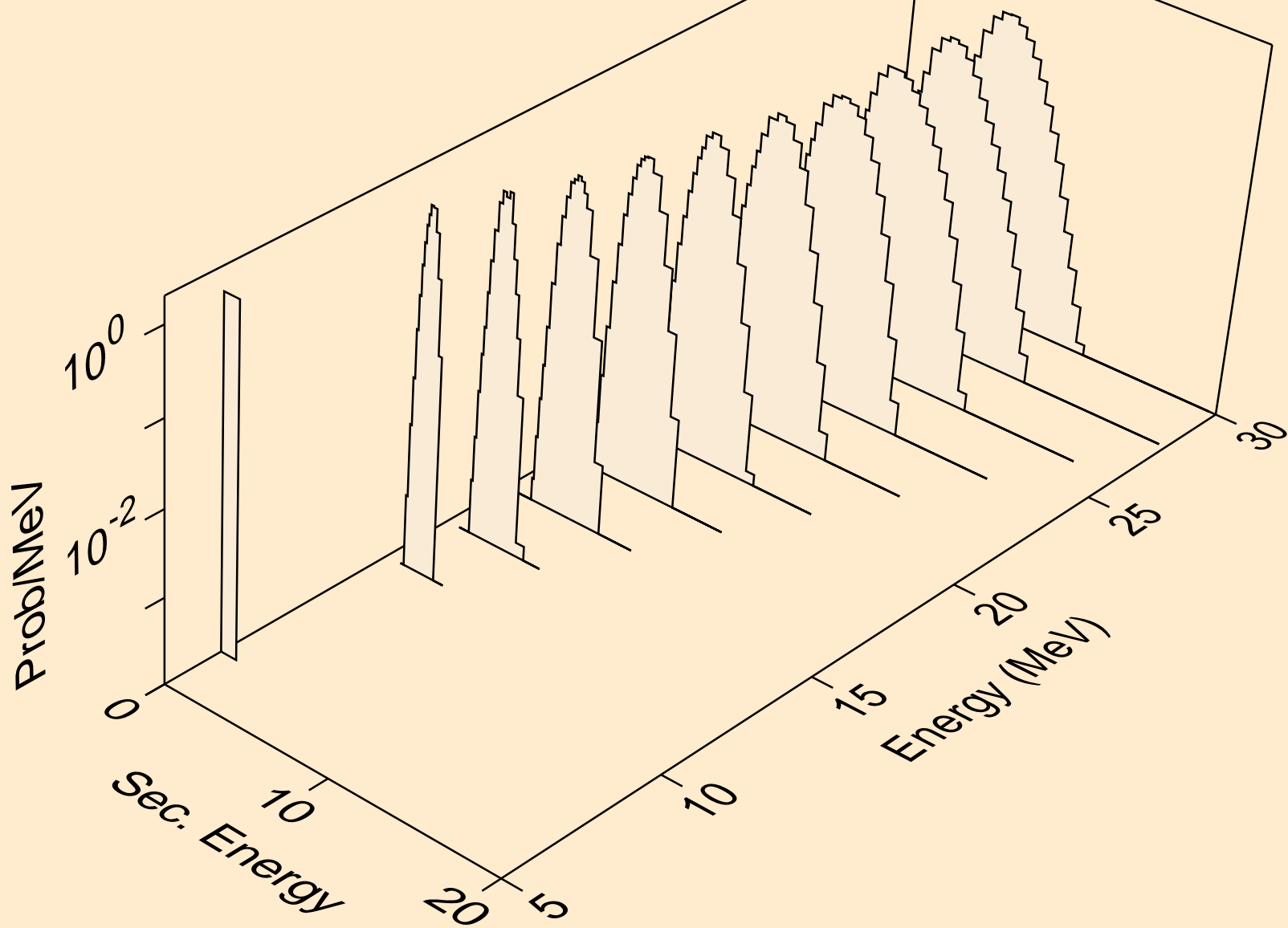
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protons from (n,p)



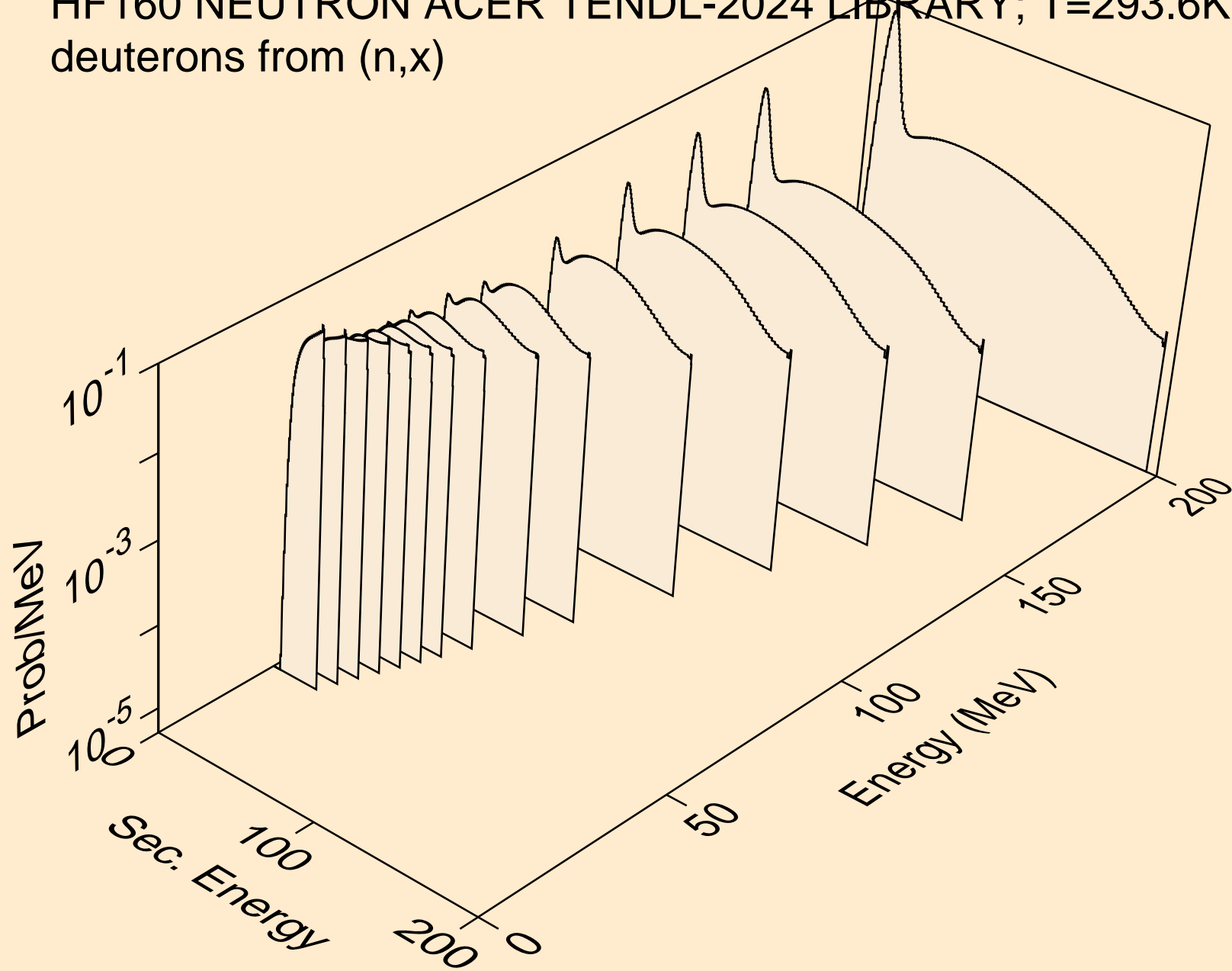
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protons from (n,pd)



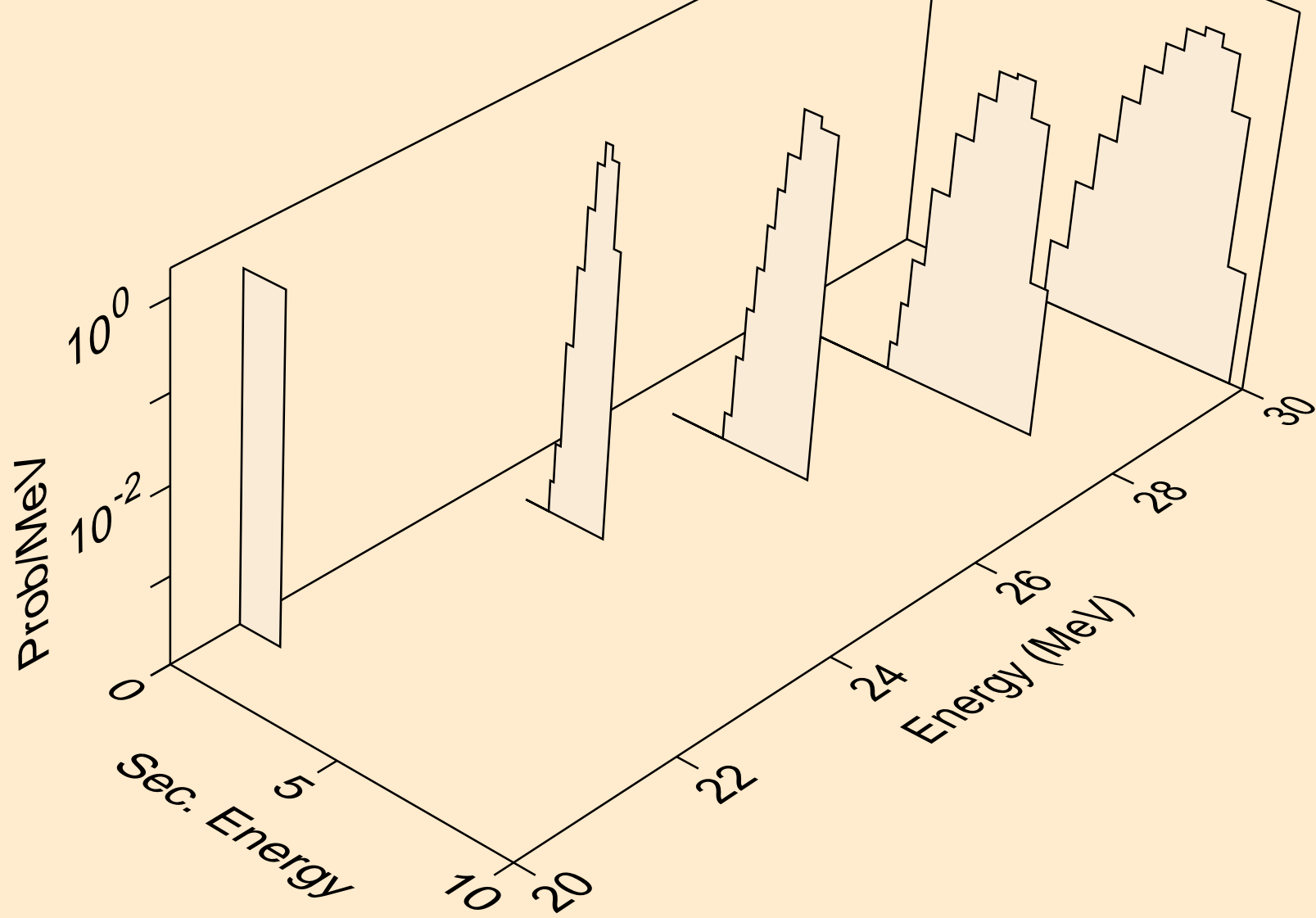
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protons from (n,pt)



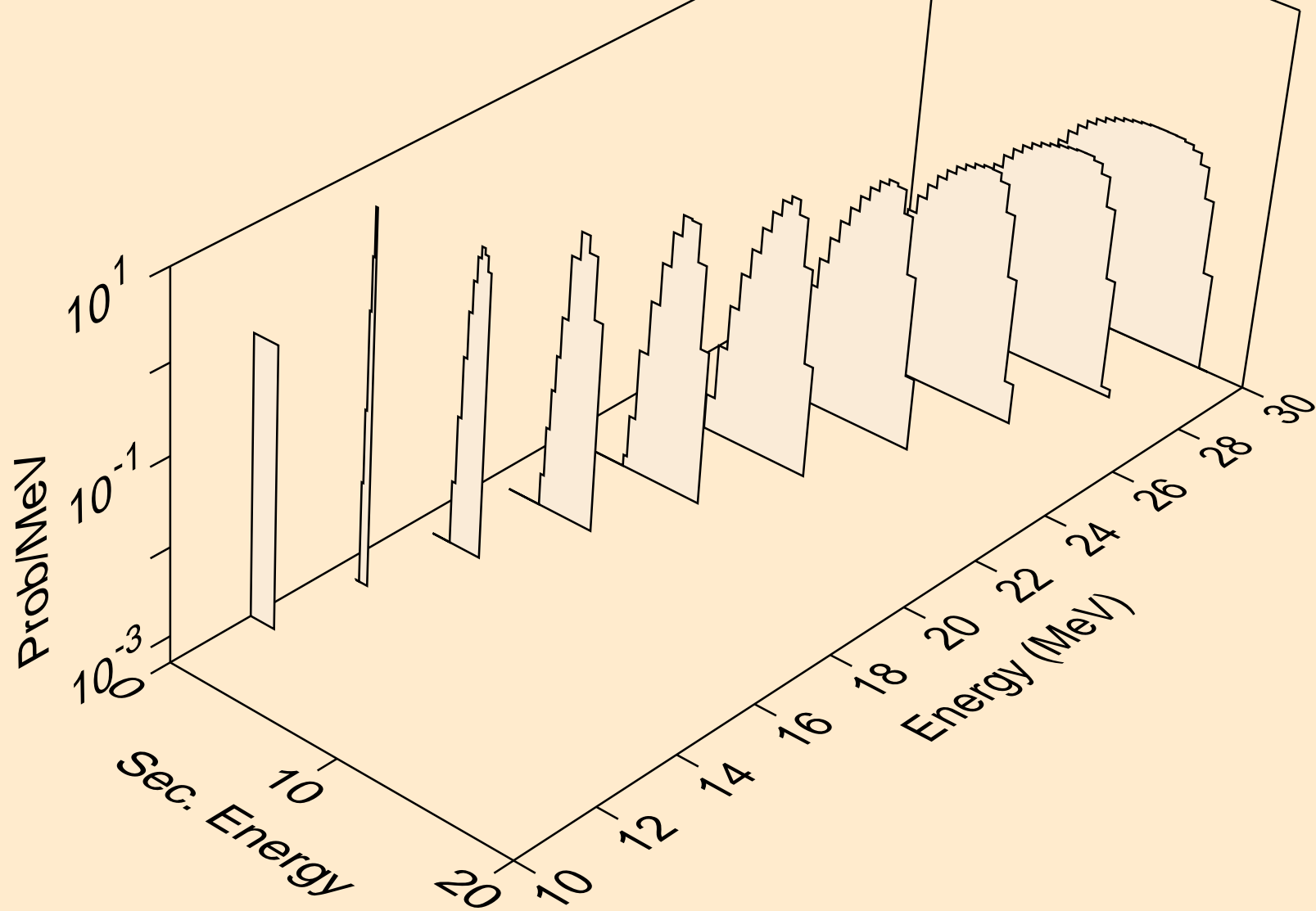
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deuterons from (n,x)



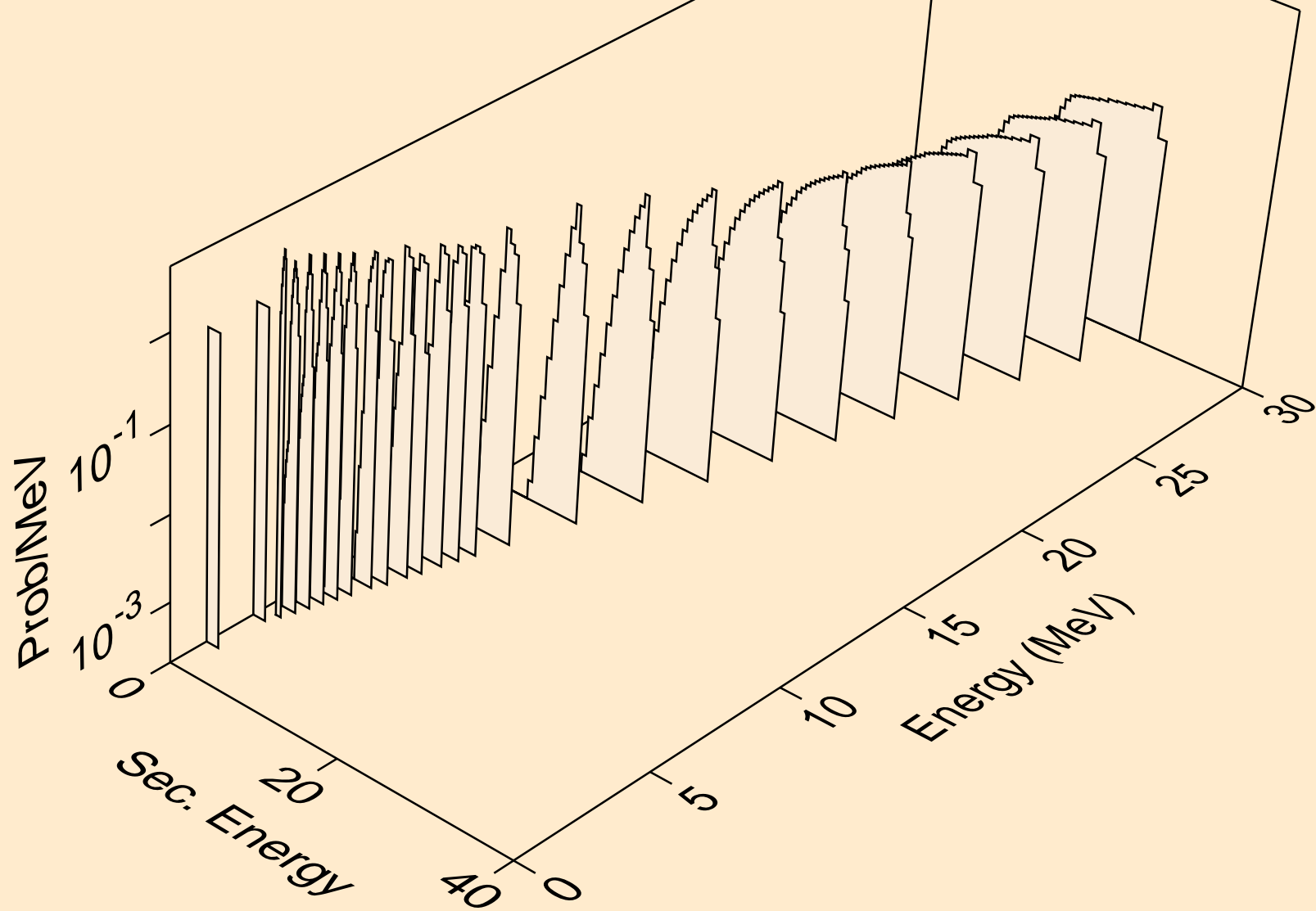
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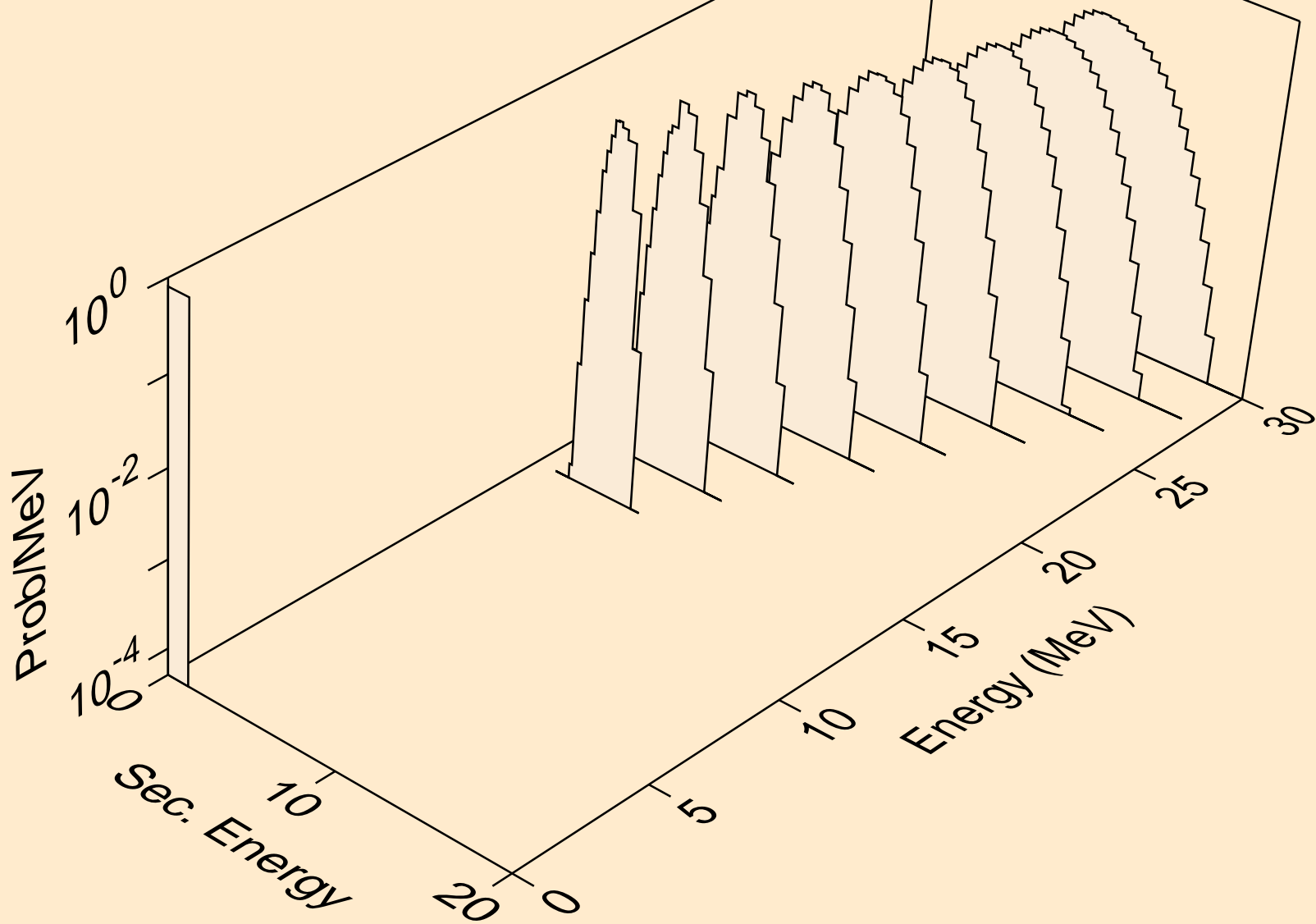
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



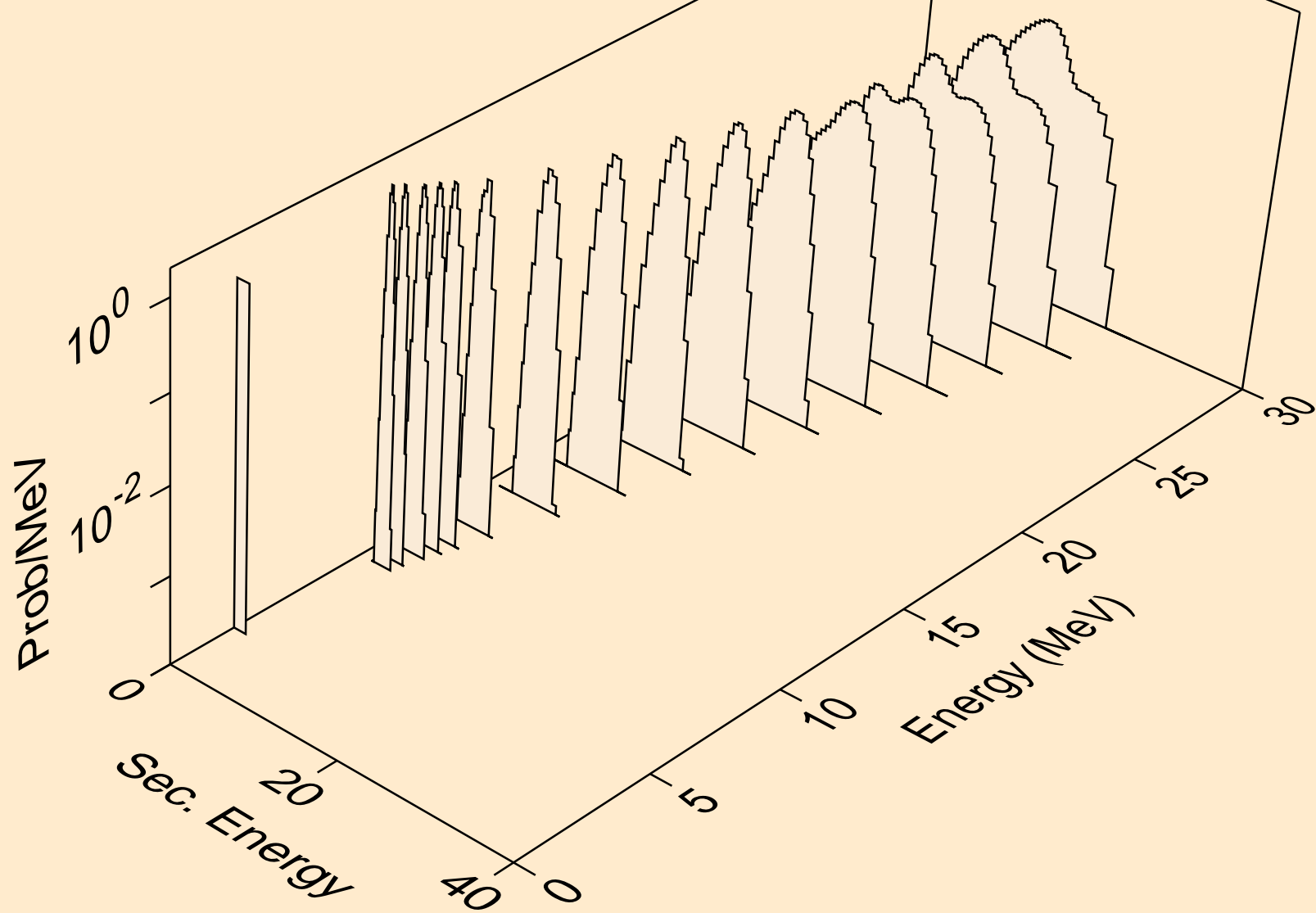
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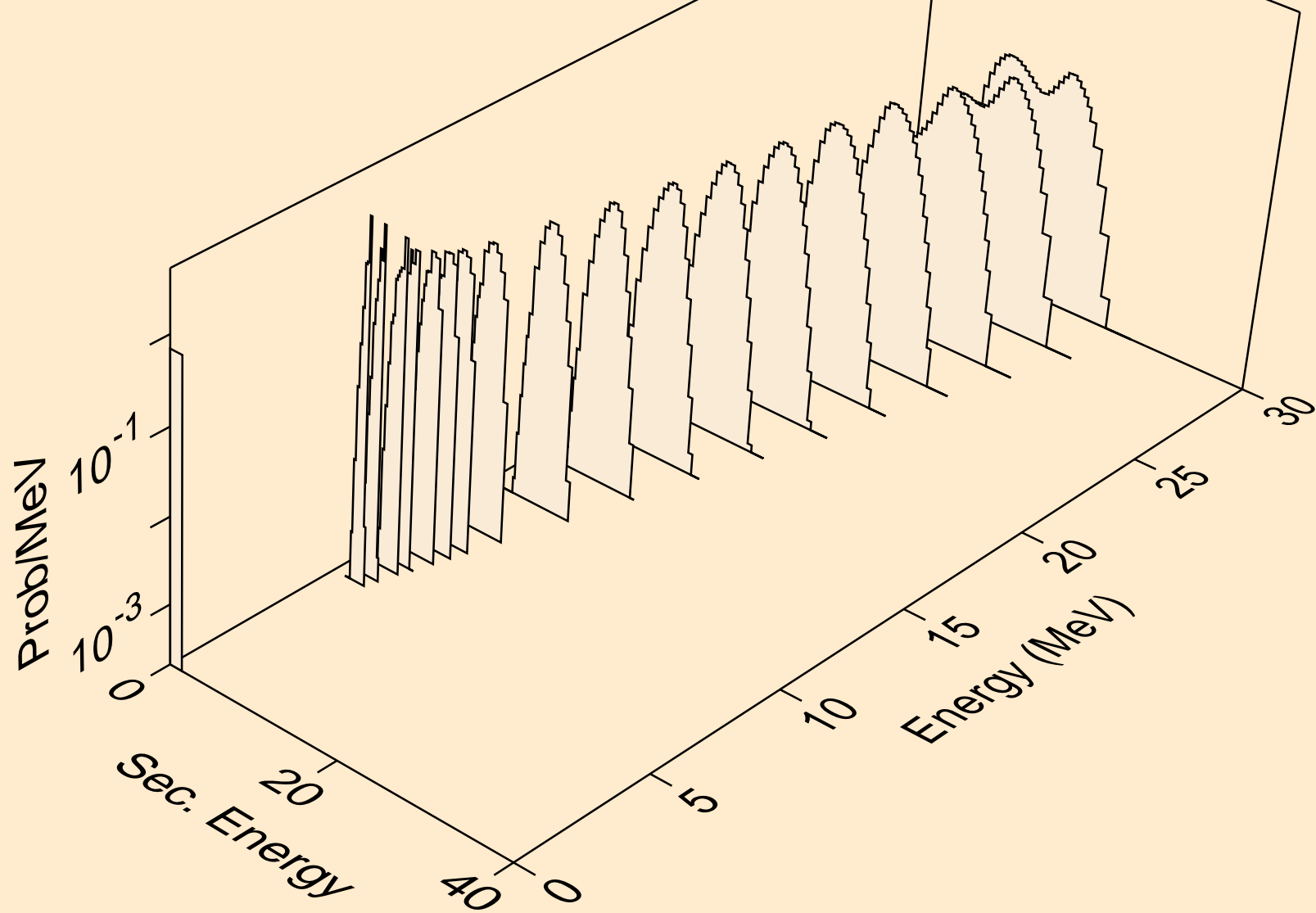
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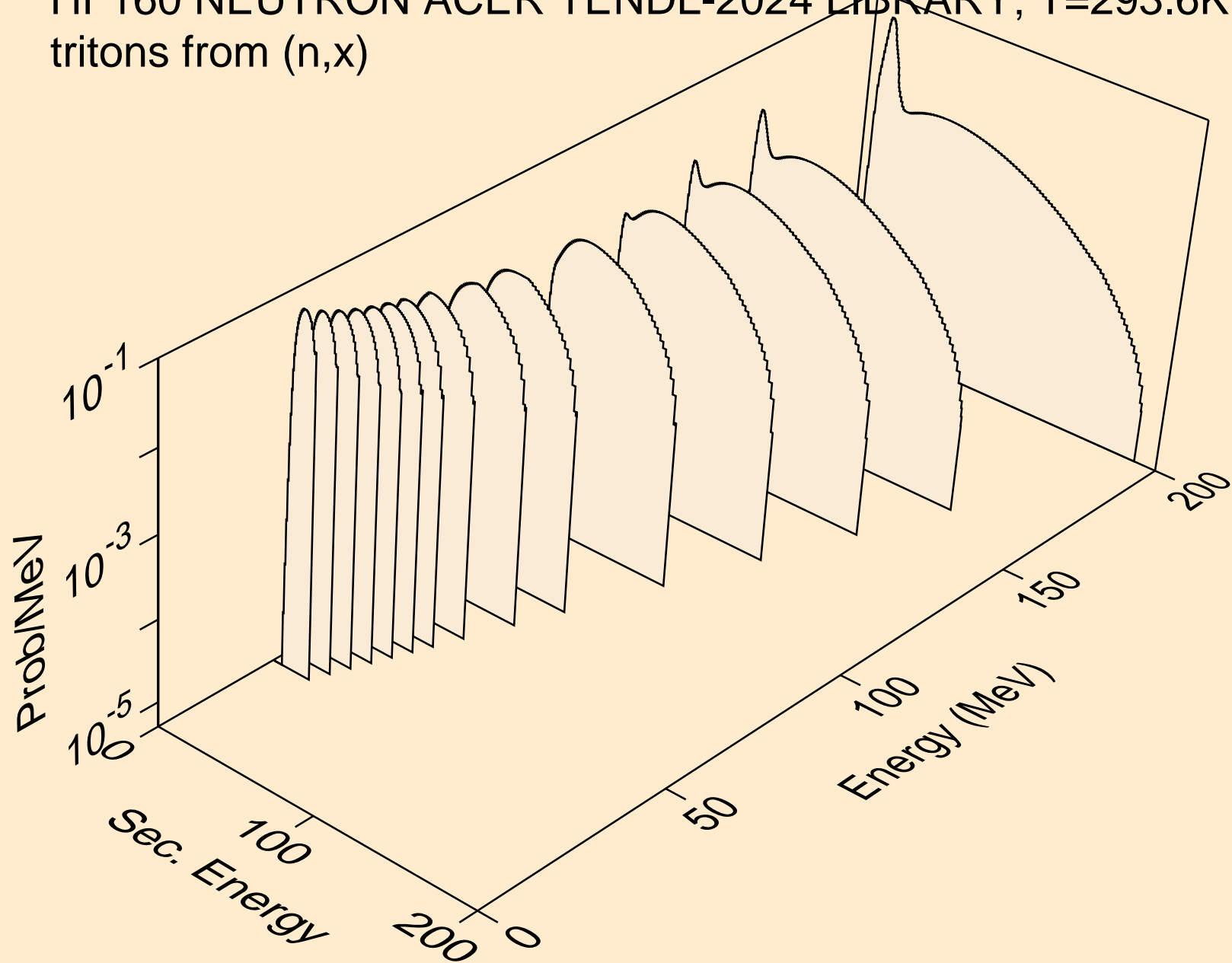
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deuterons from (n,pd)



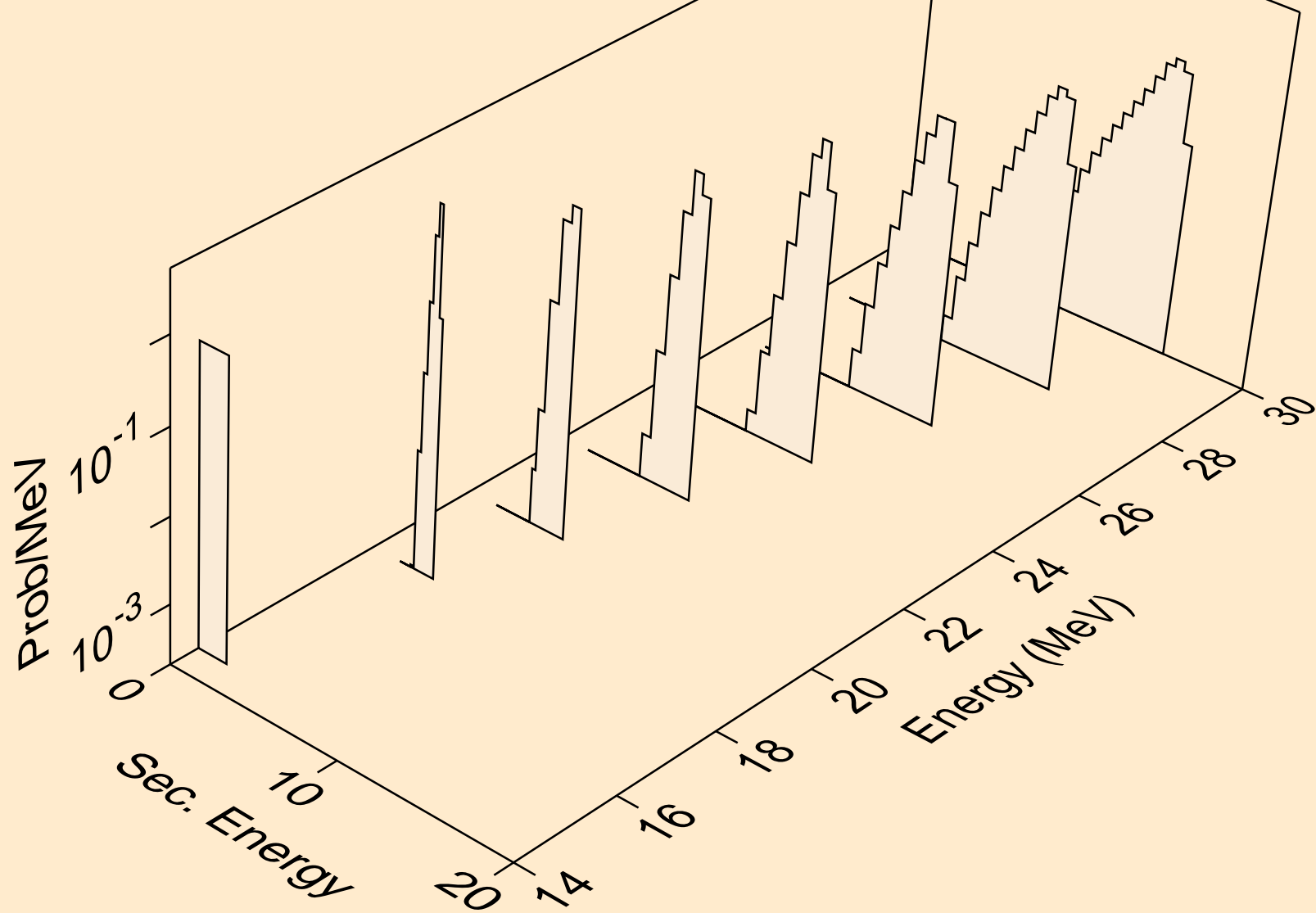
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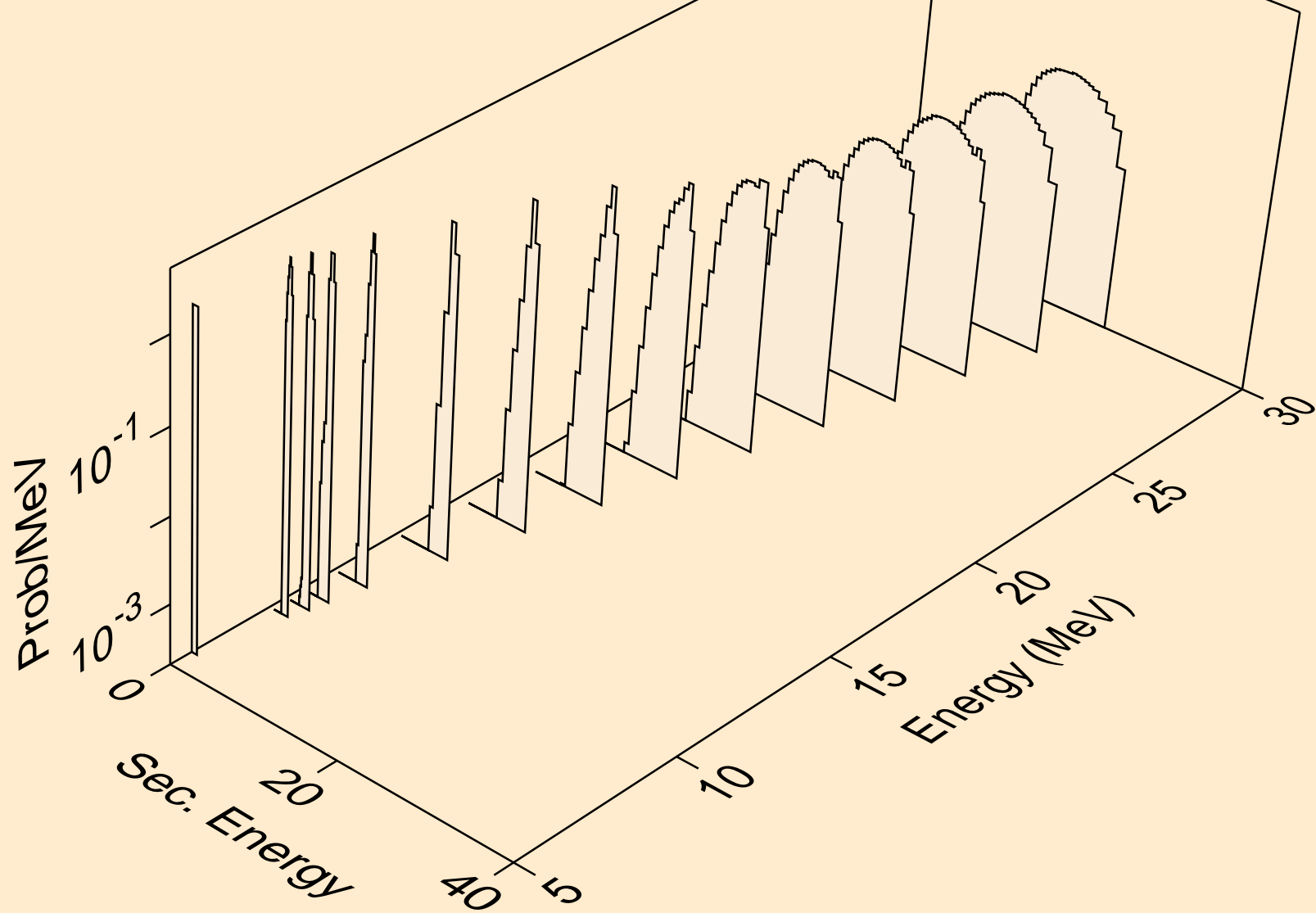
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tritons from (n,x)



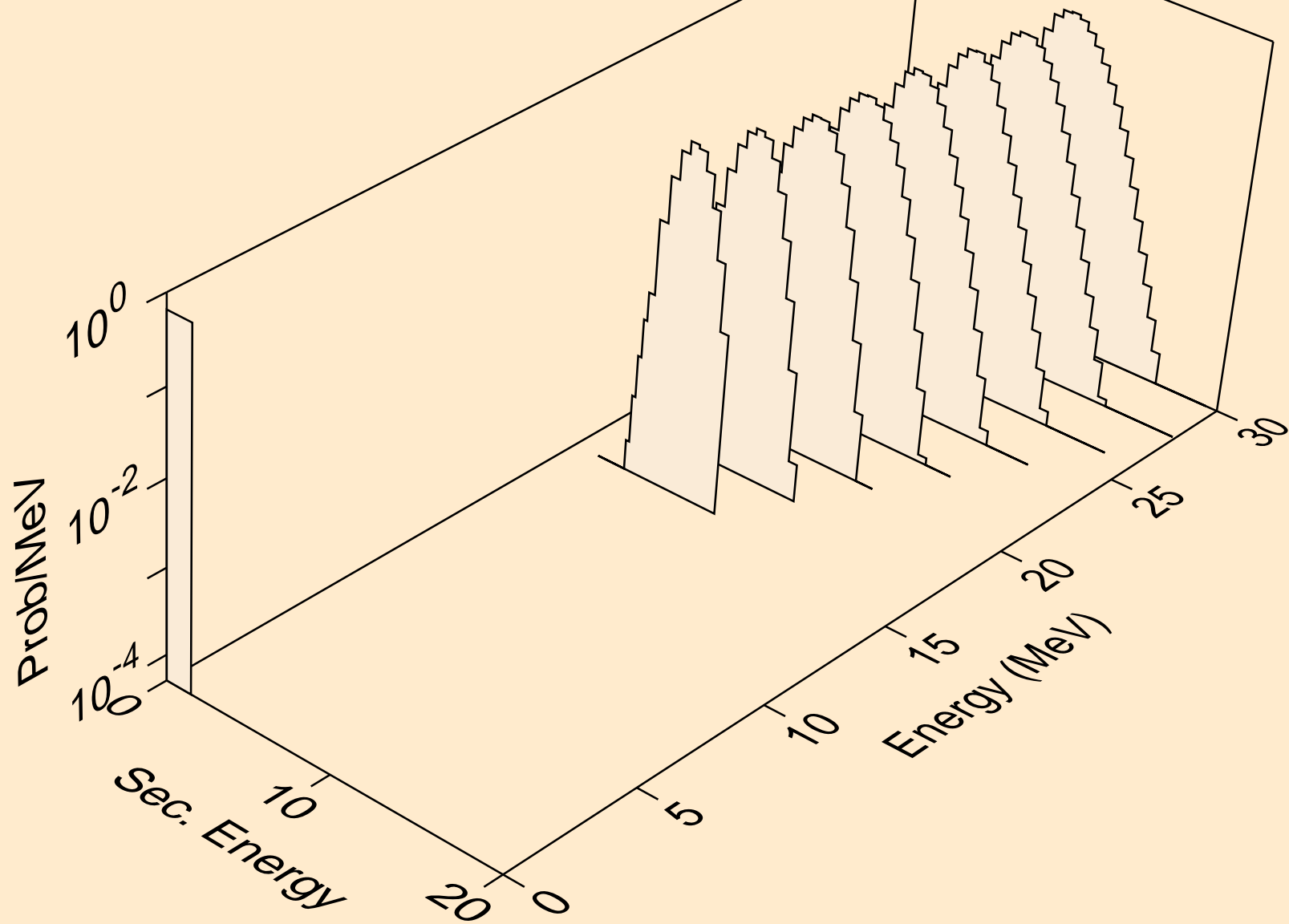
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



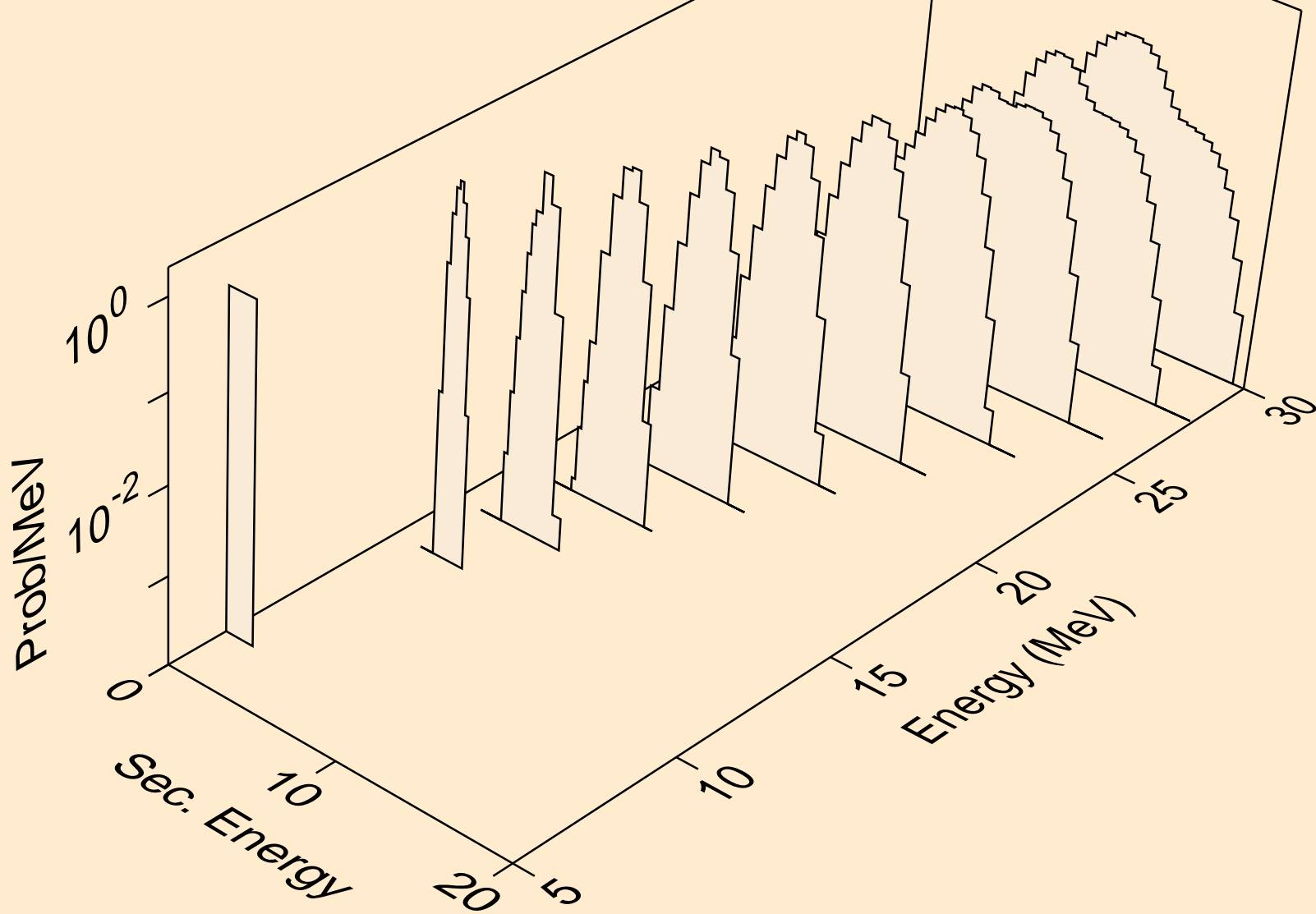
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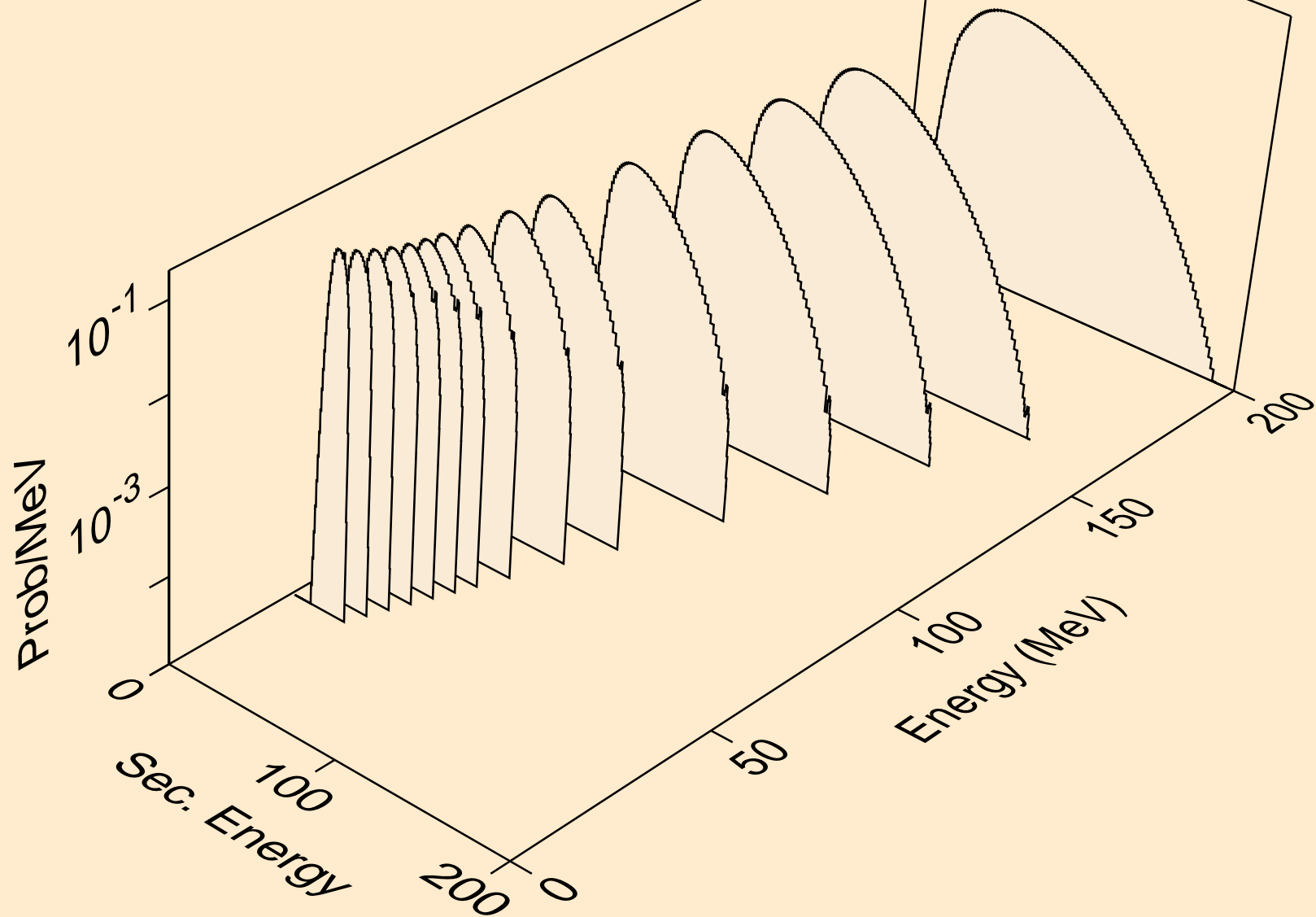
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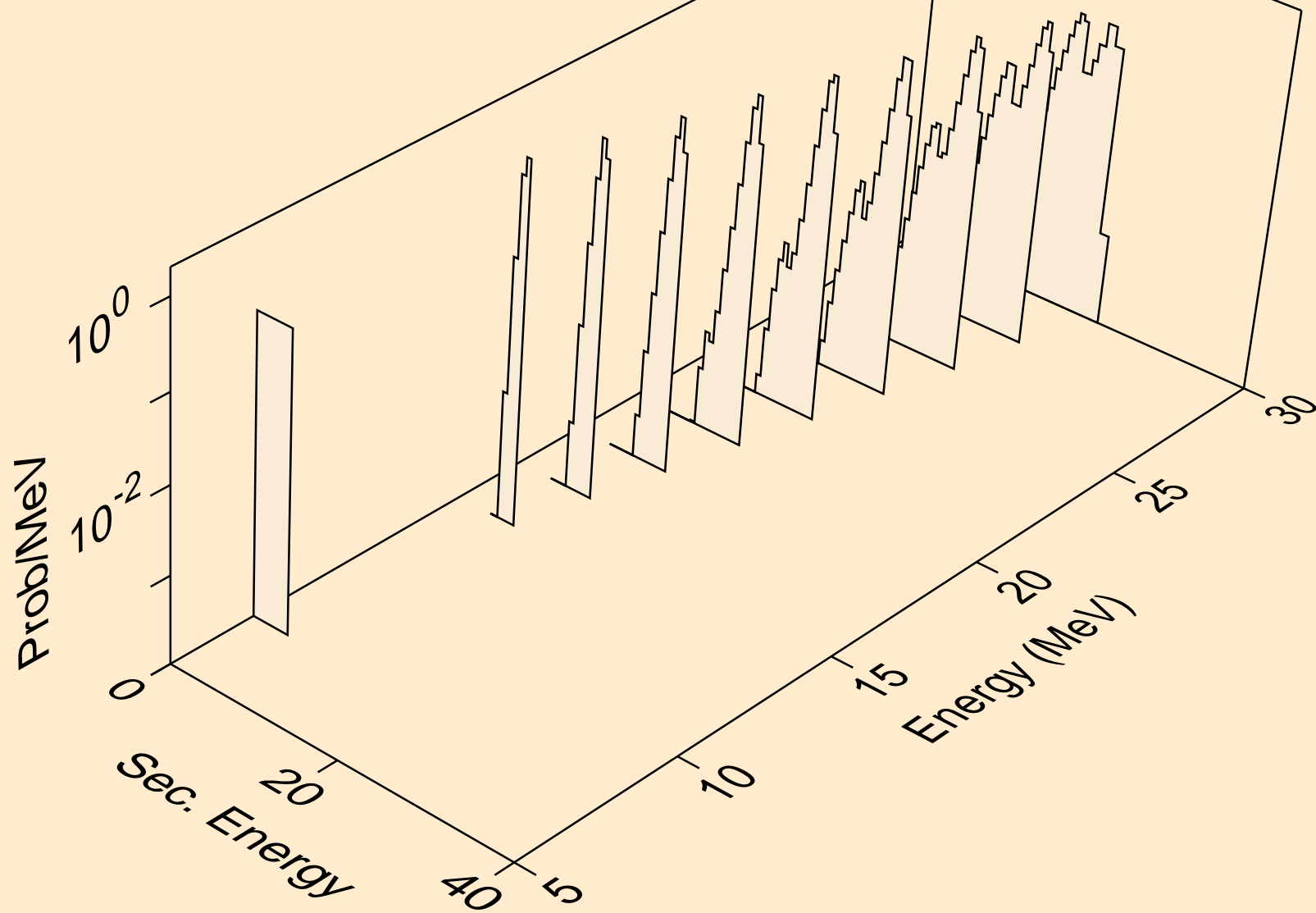
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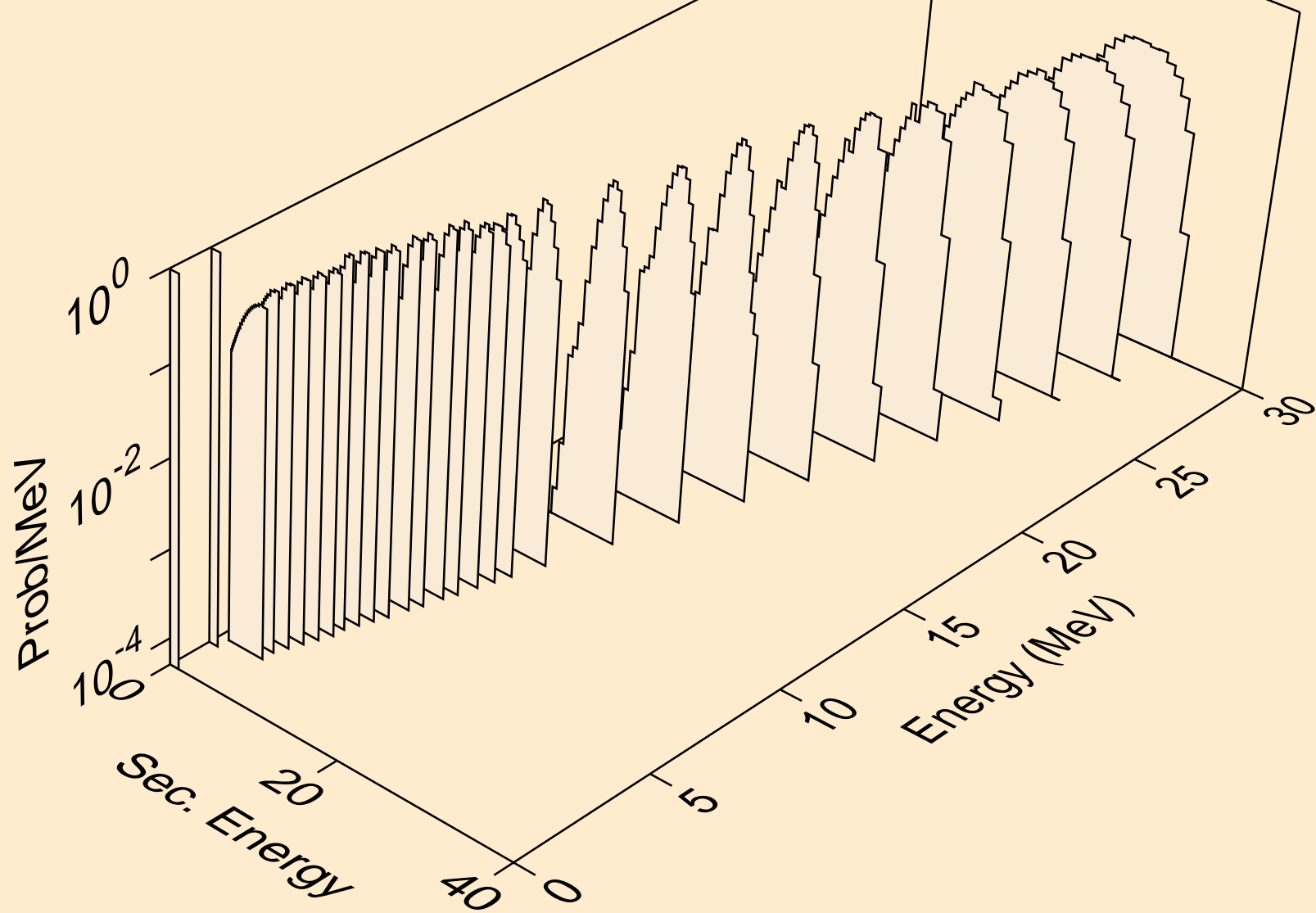
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



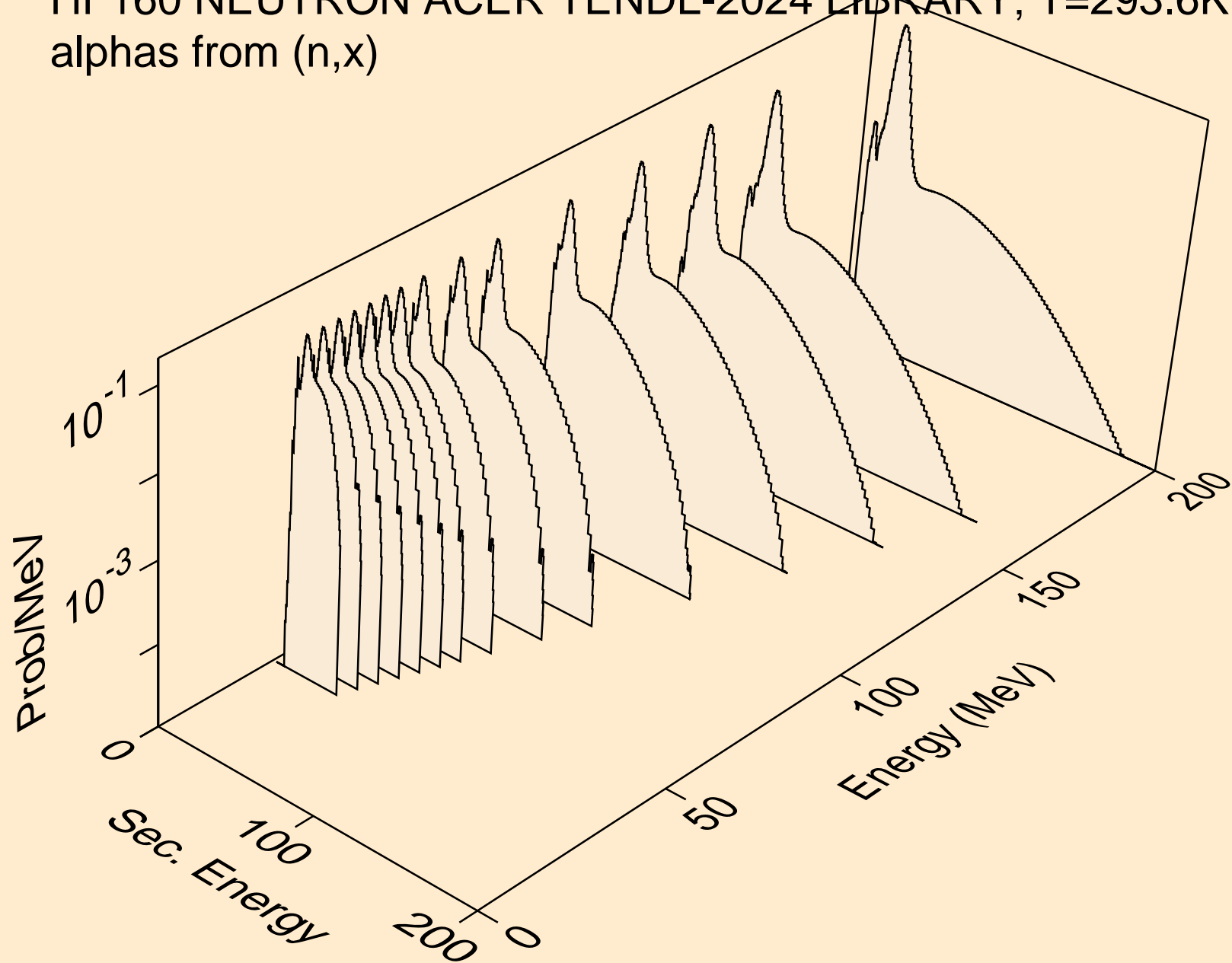
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



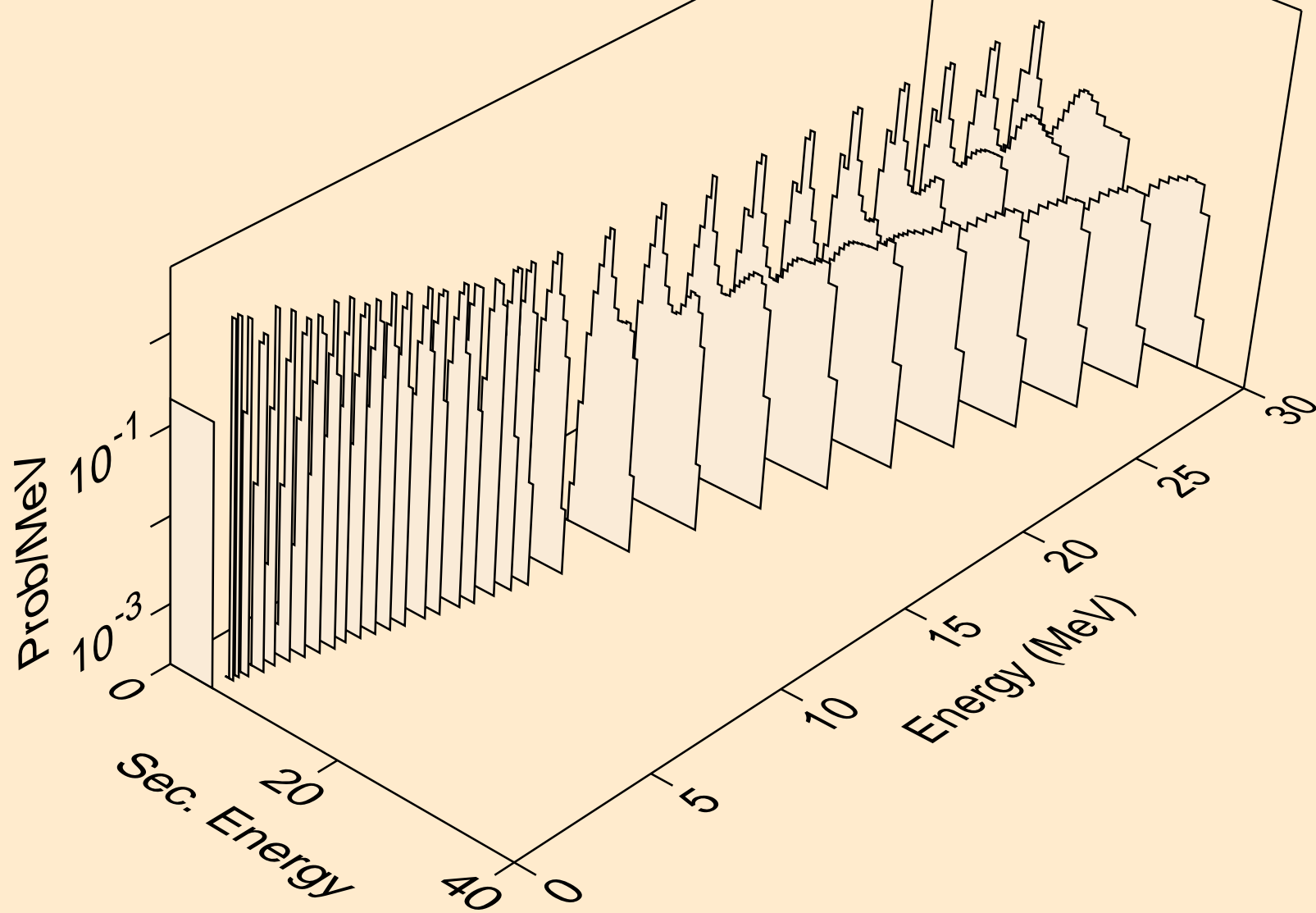
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he3s from (n,he3)



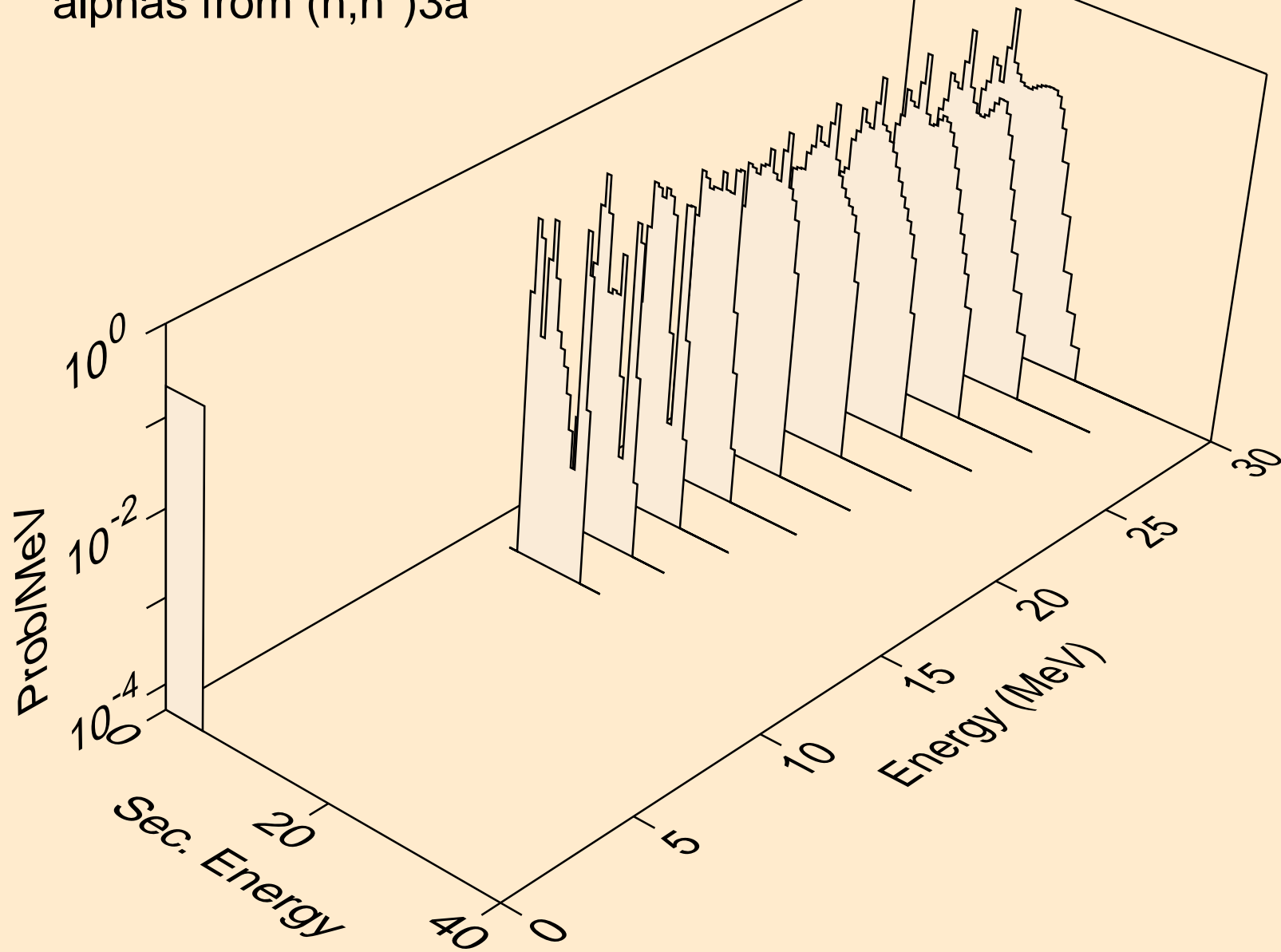
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



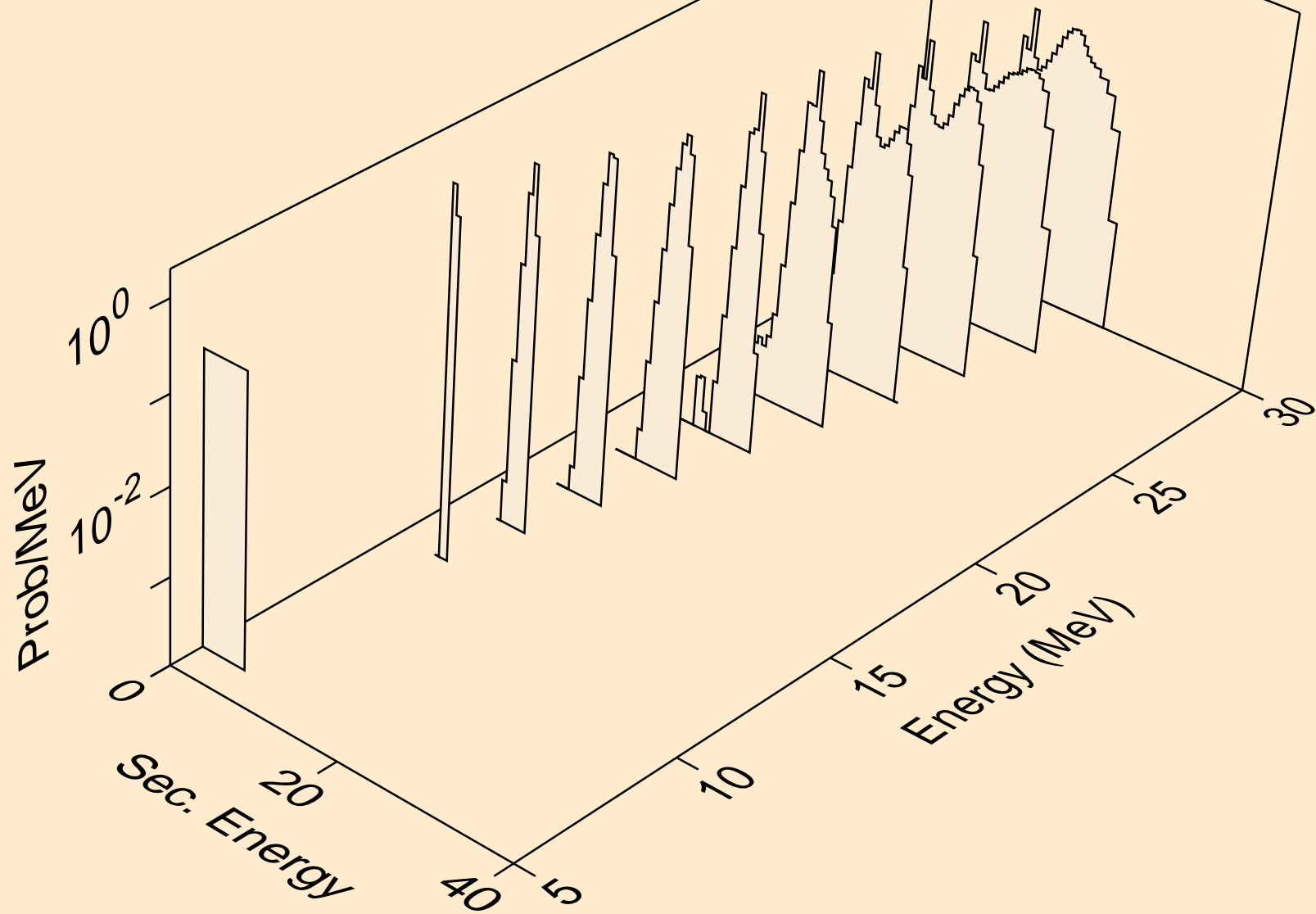
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alphas from (n,n\*)a



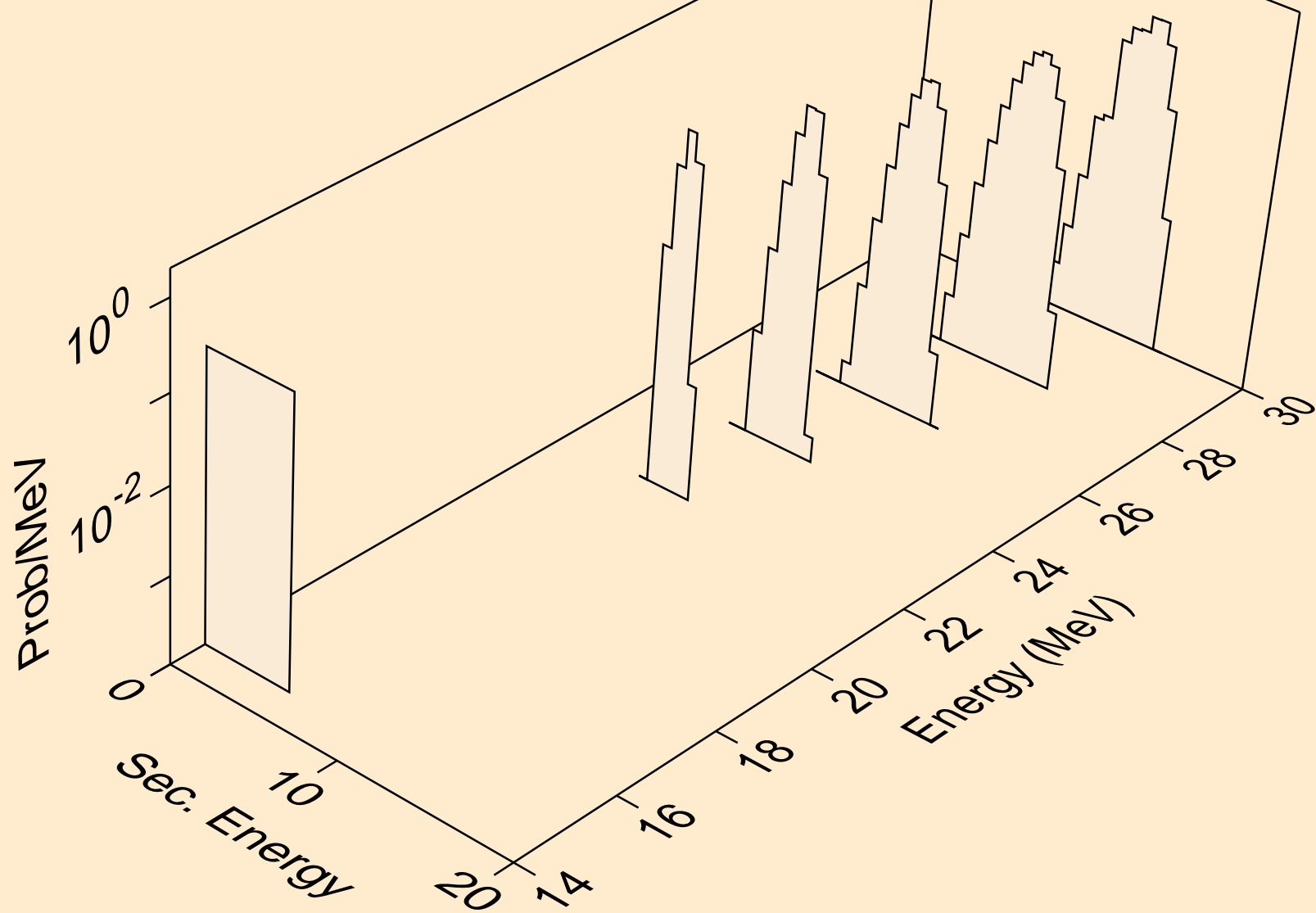
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alphas from (n,n\*)3a



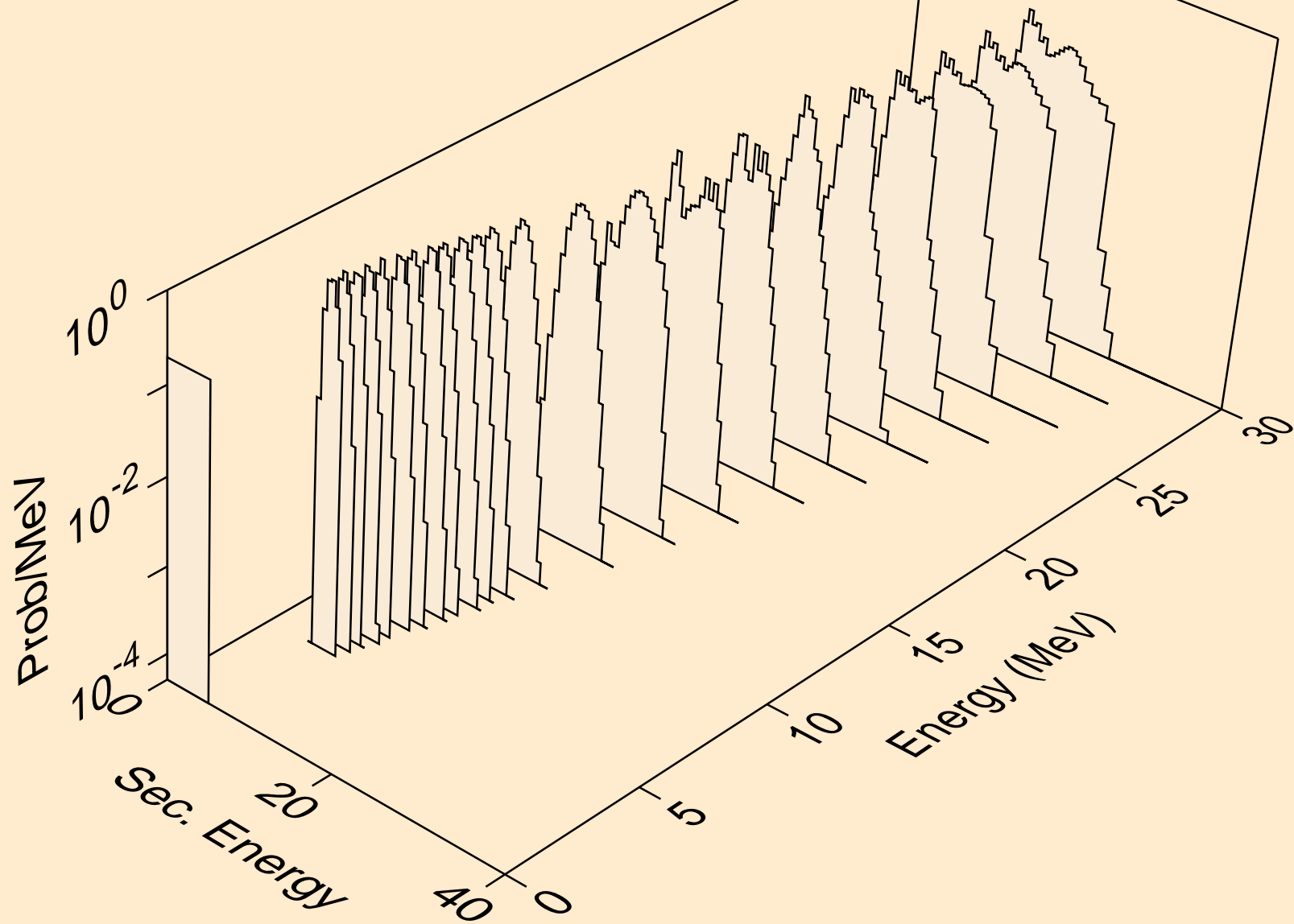
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alphas from (n,2n)a



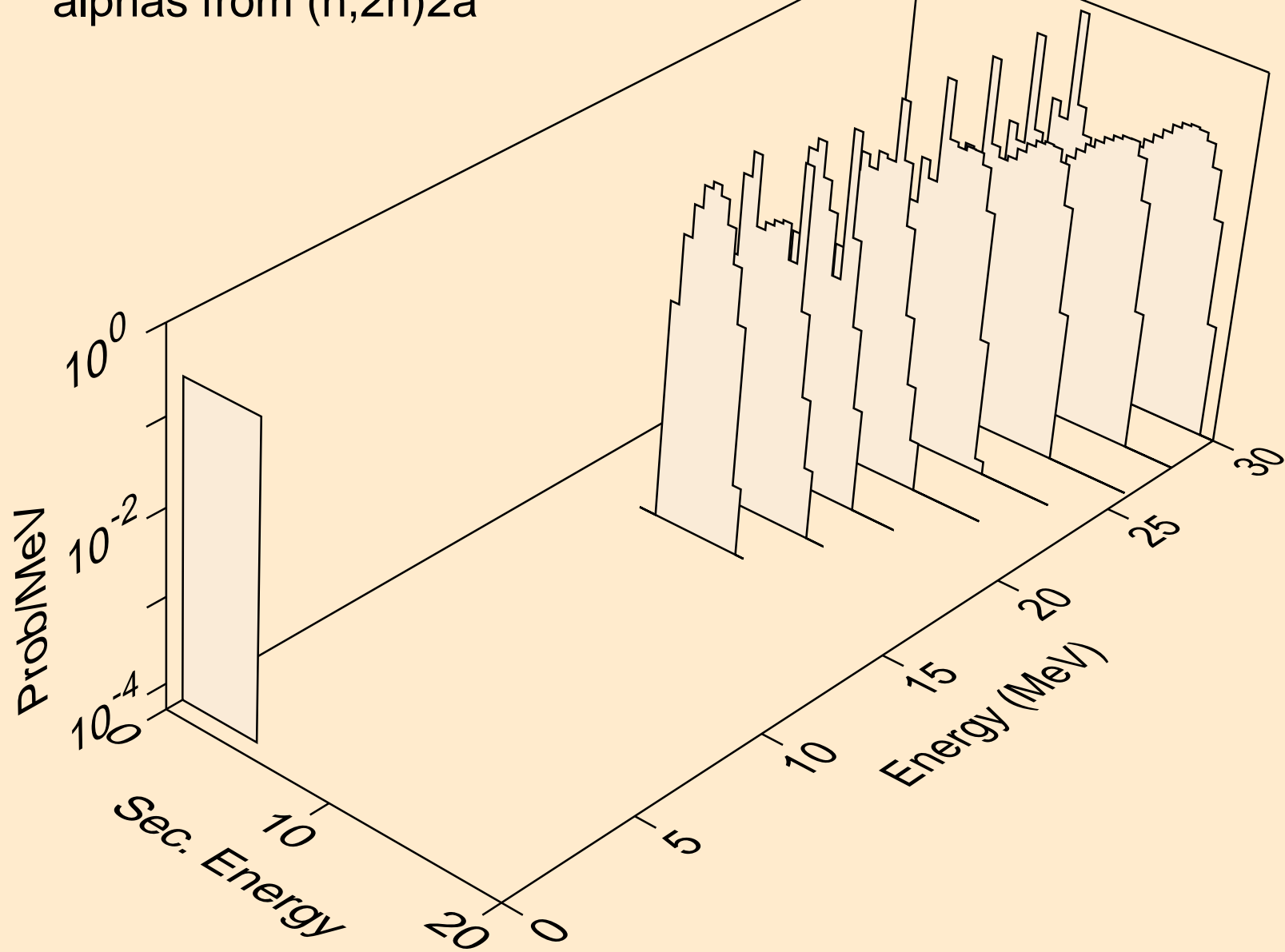
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alphas from (n,3n)a



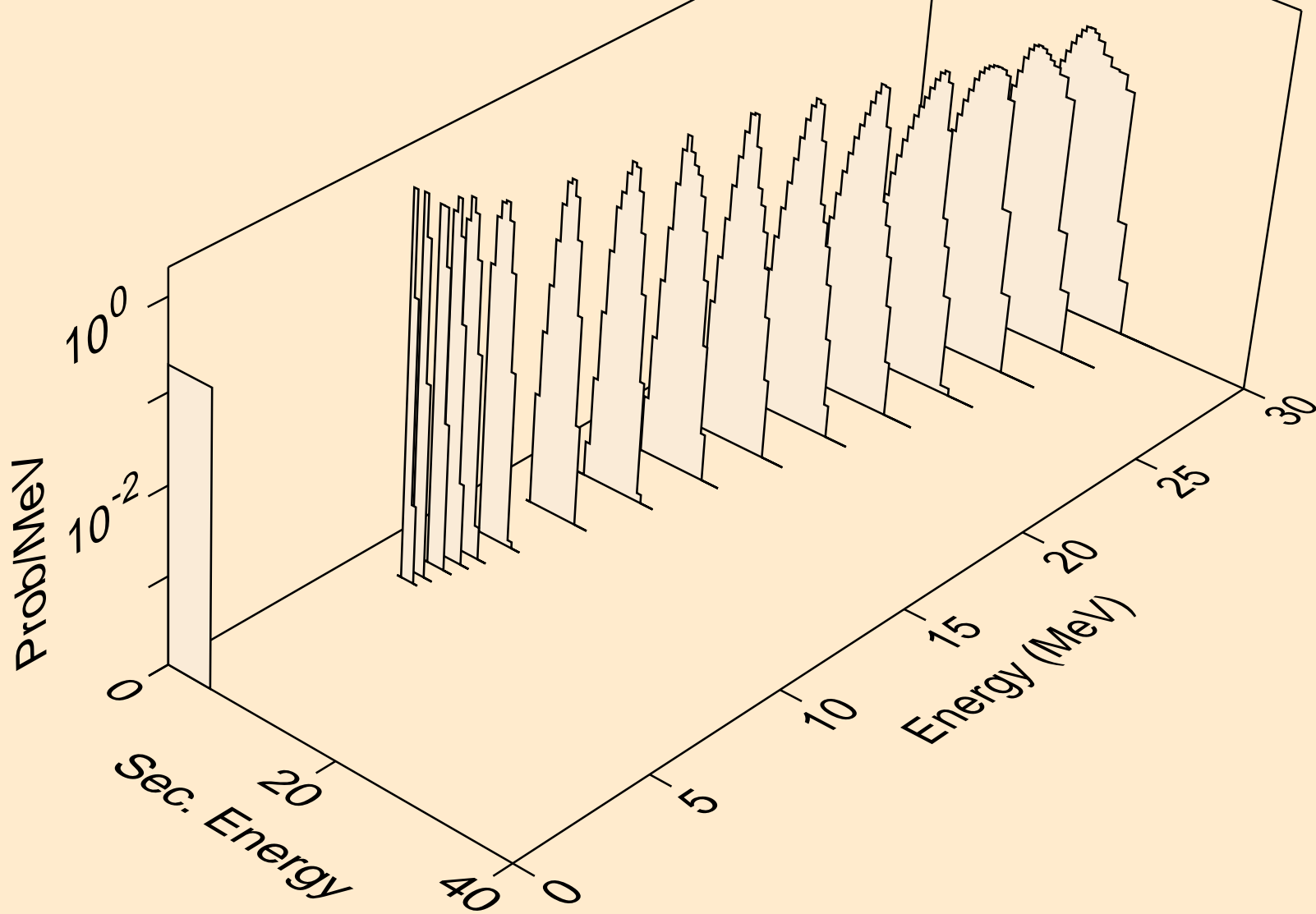
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alphas from (n,n\*)2a



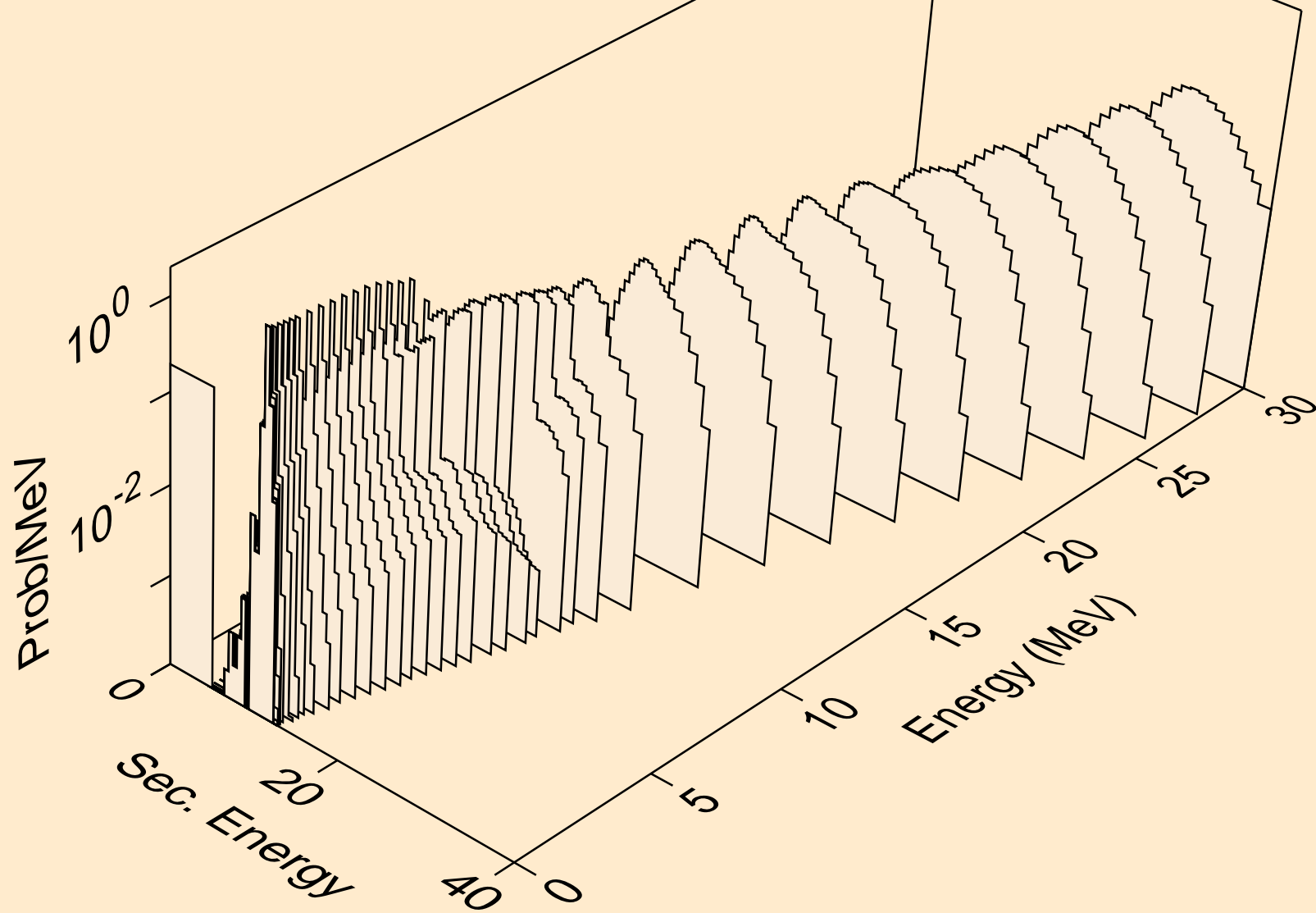
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alphas from (n,2n)2a



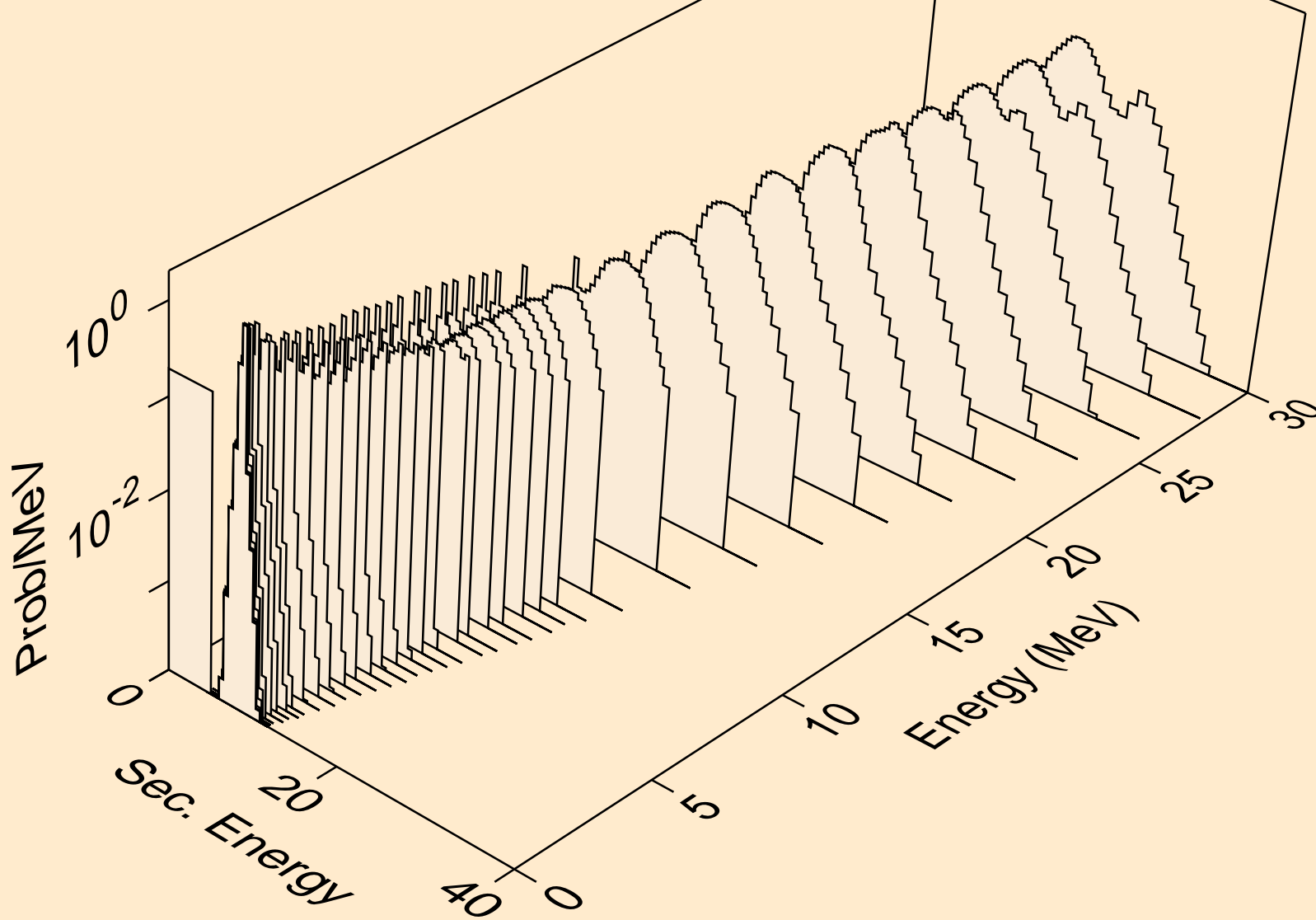
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alphas from (n,npa)



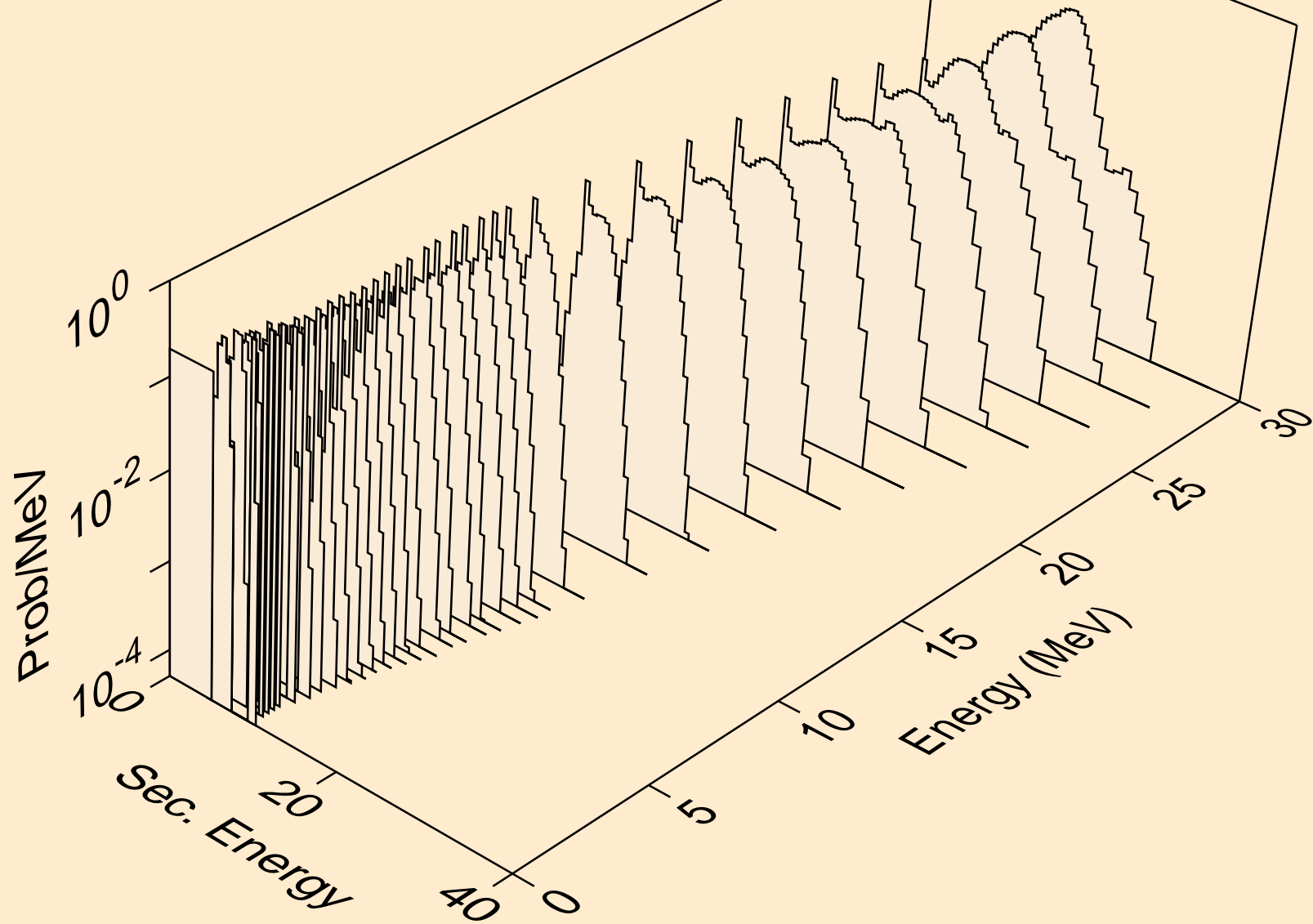
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alphas from (n,a)



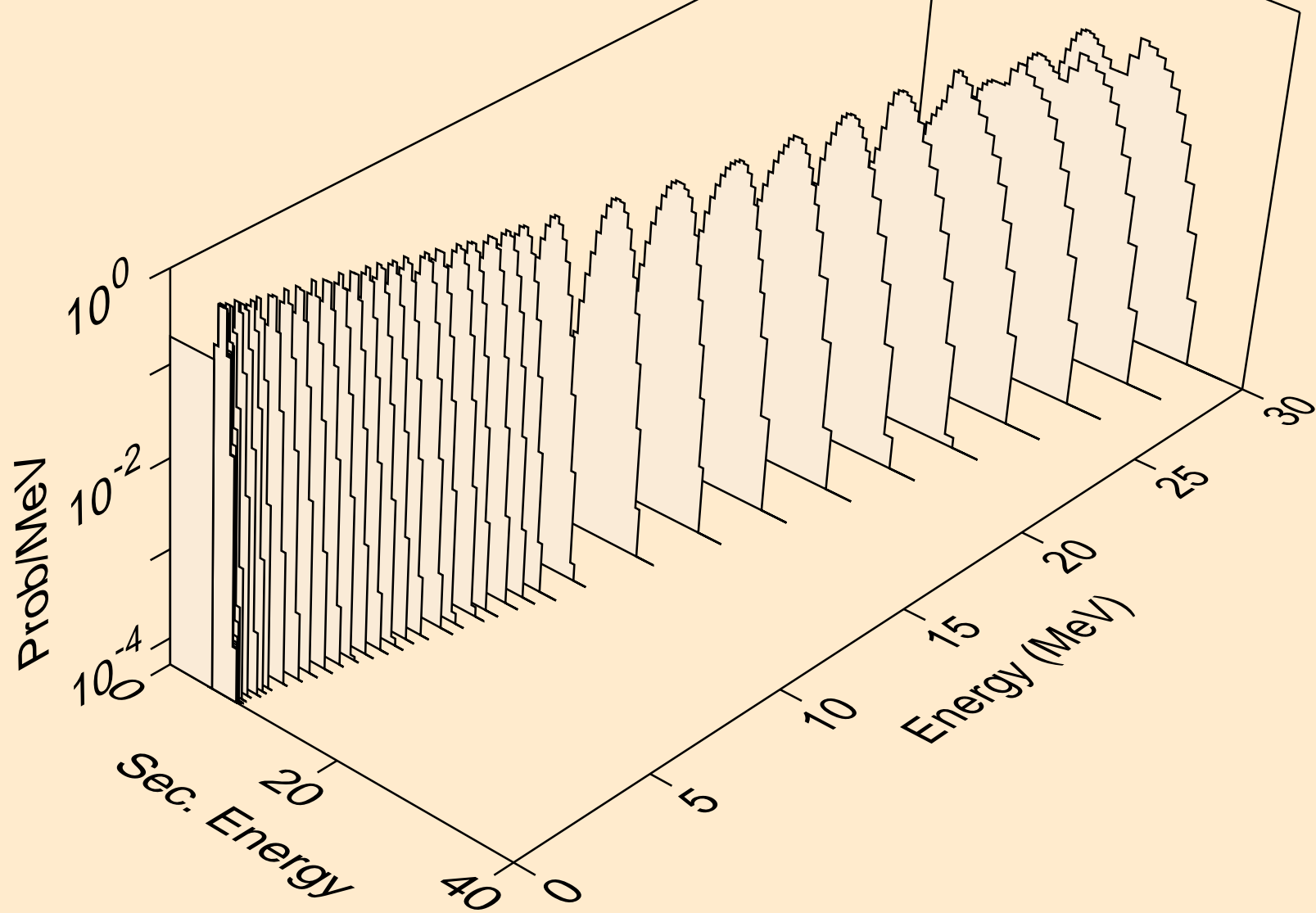
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



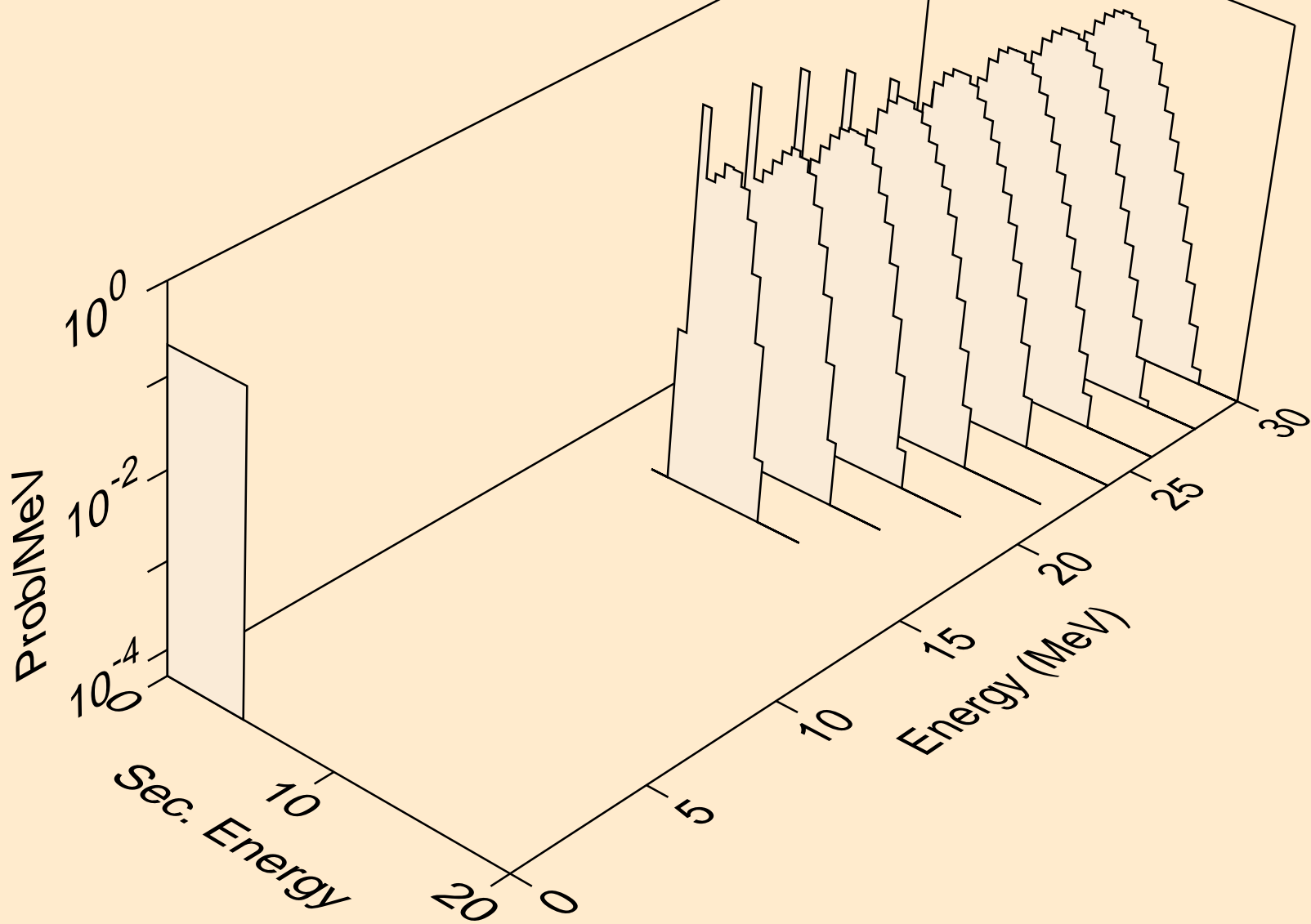
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alphas from (n,3a)



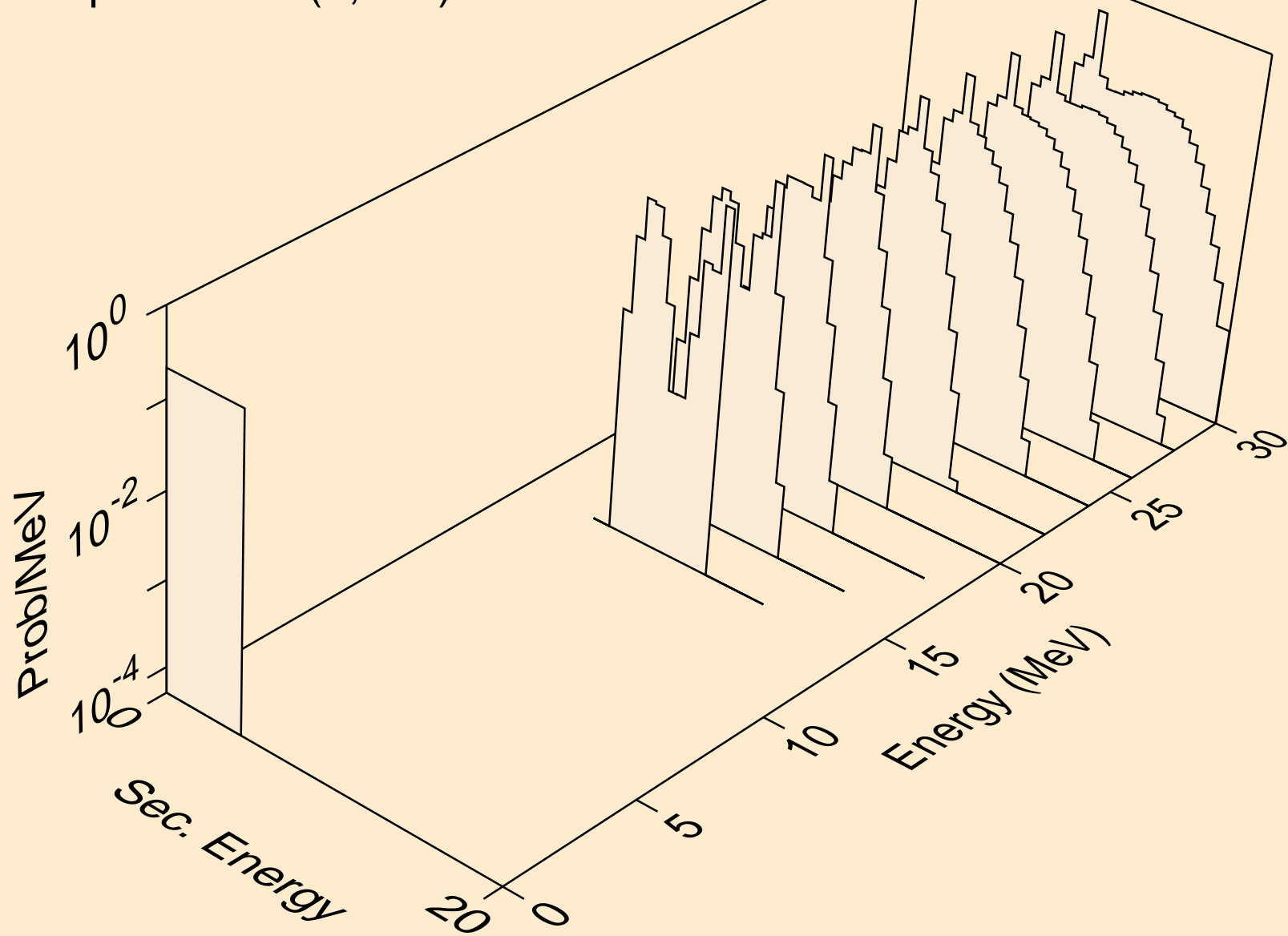
HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,t2a)



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,d2a)



HF160 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

