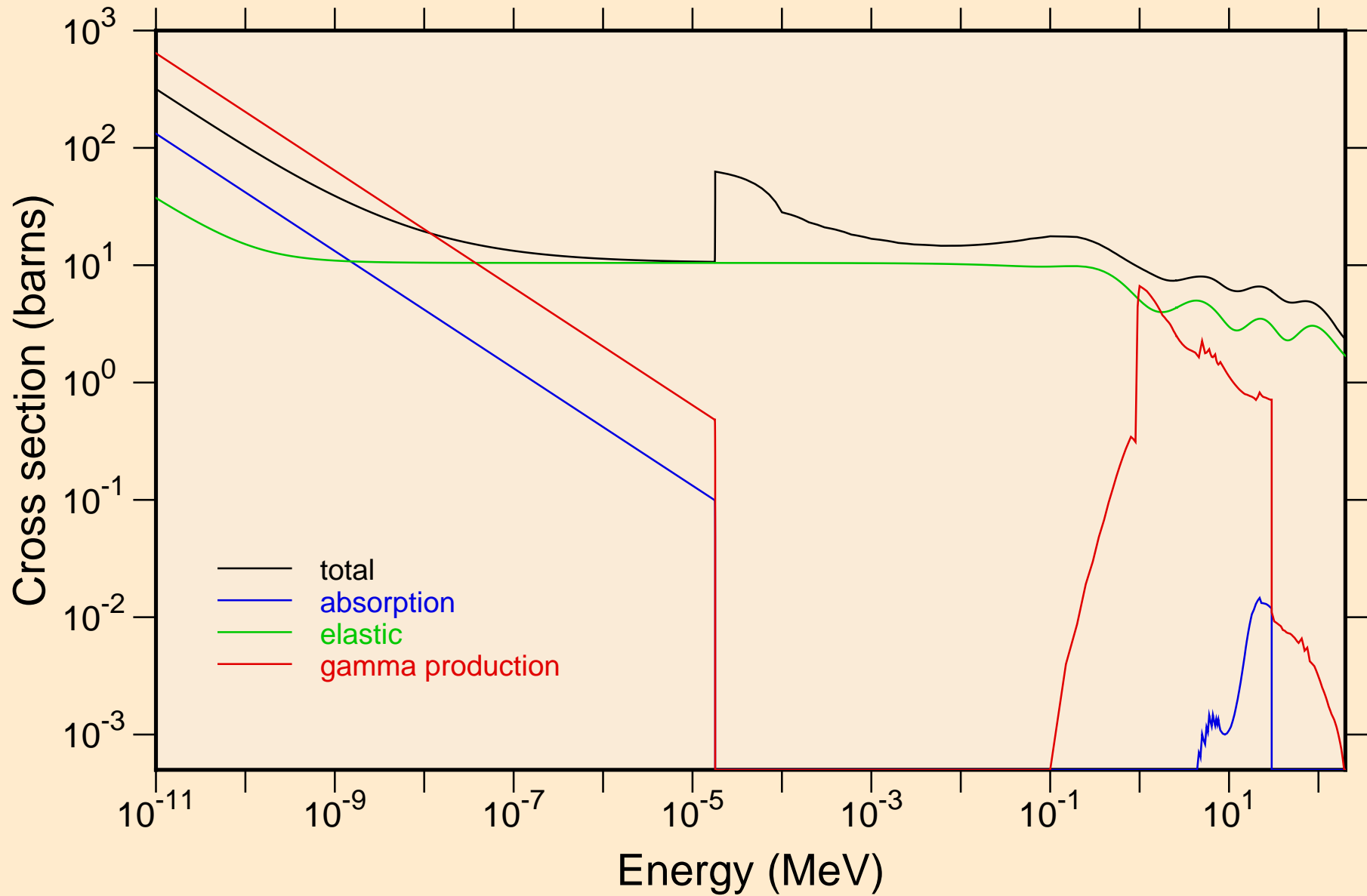
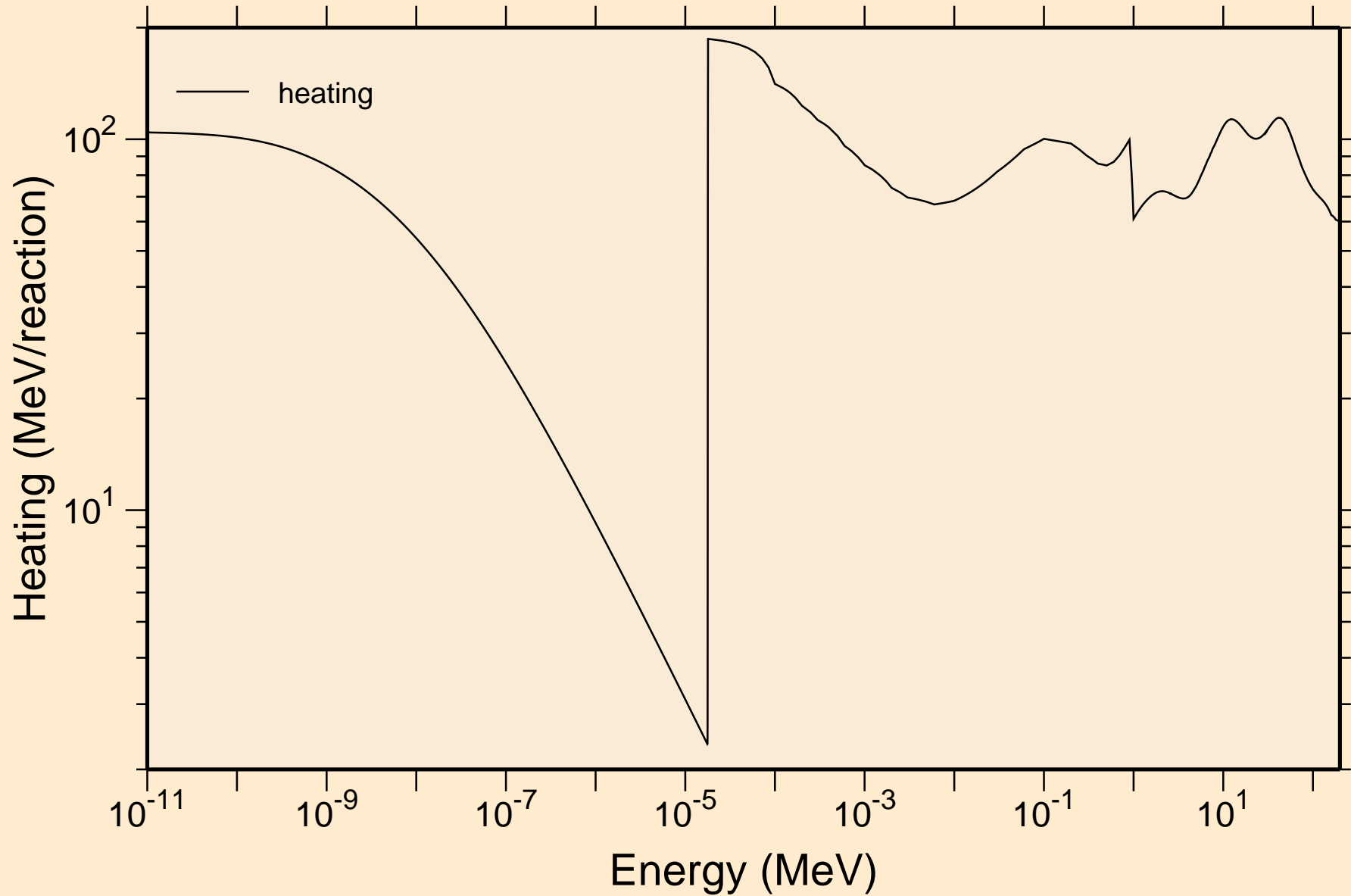


# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

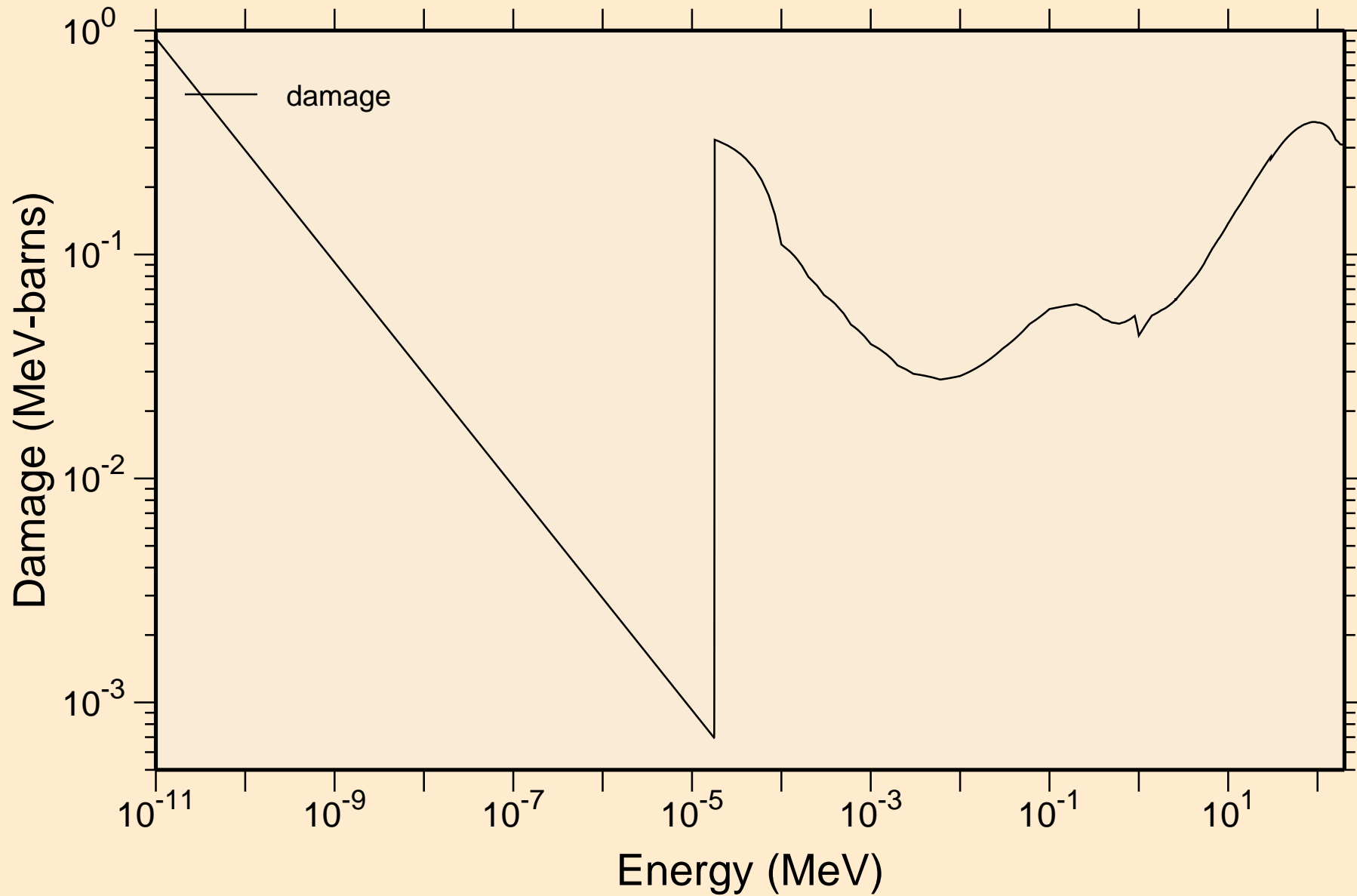


HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



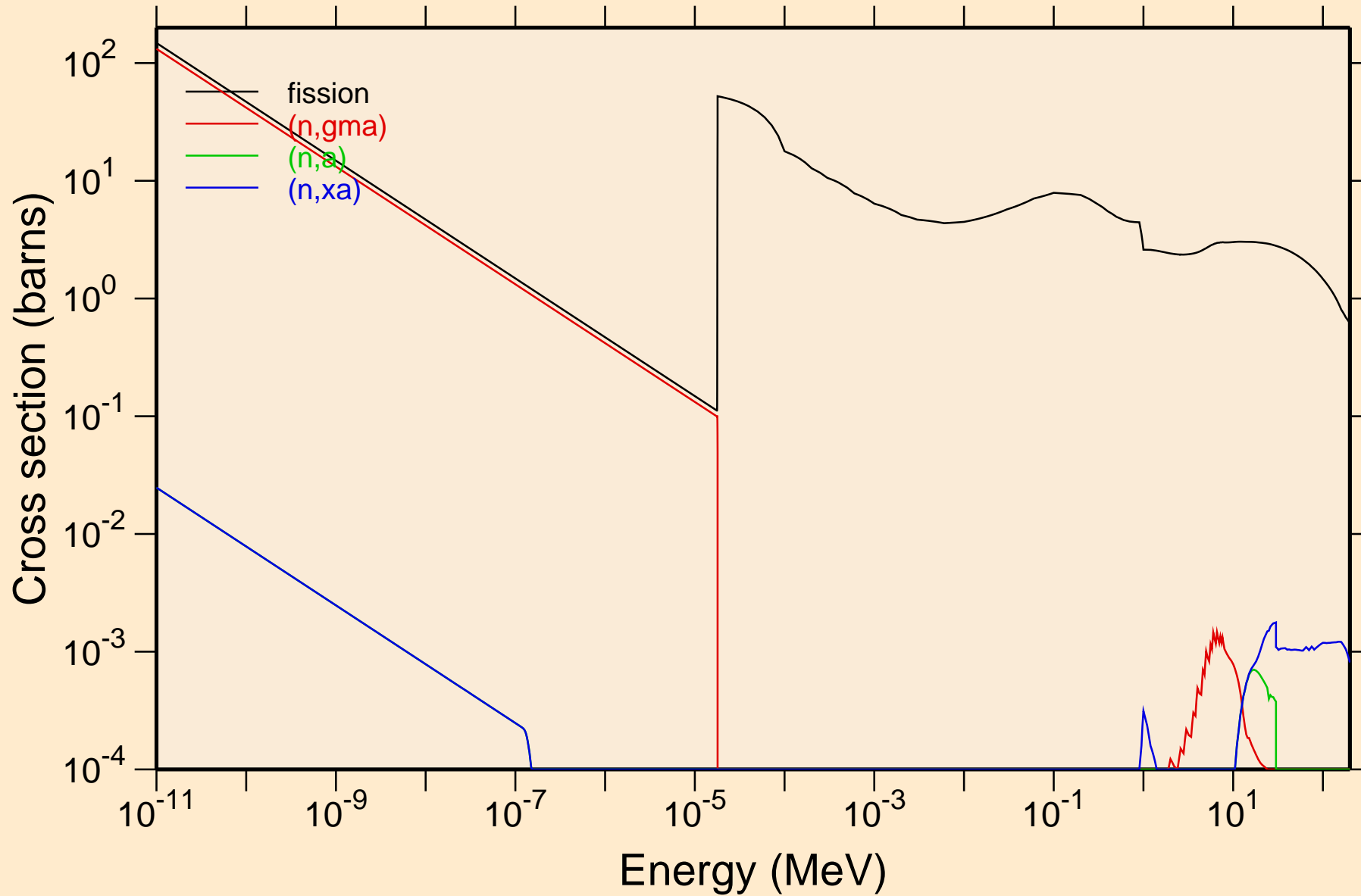
# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage



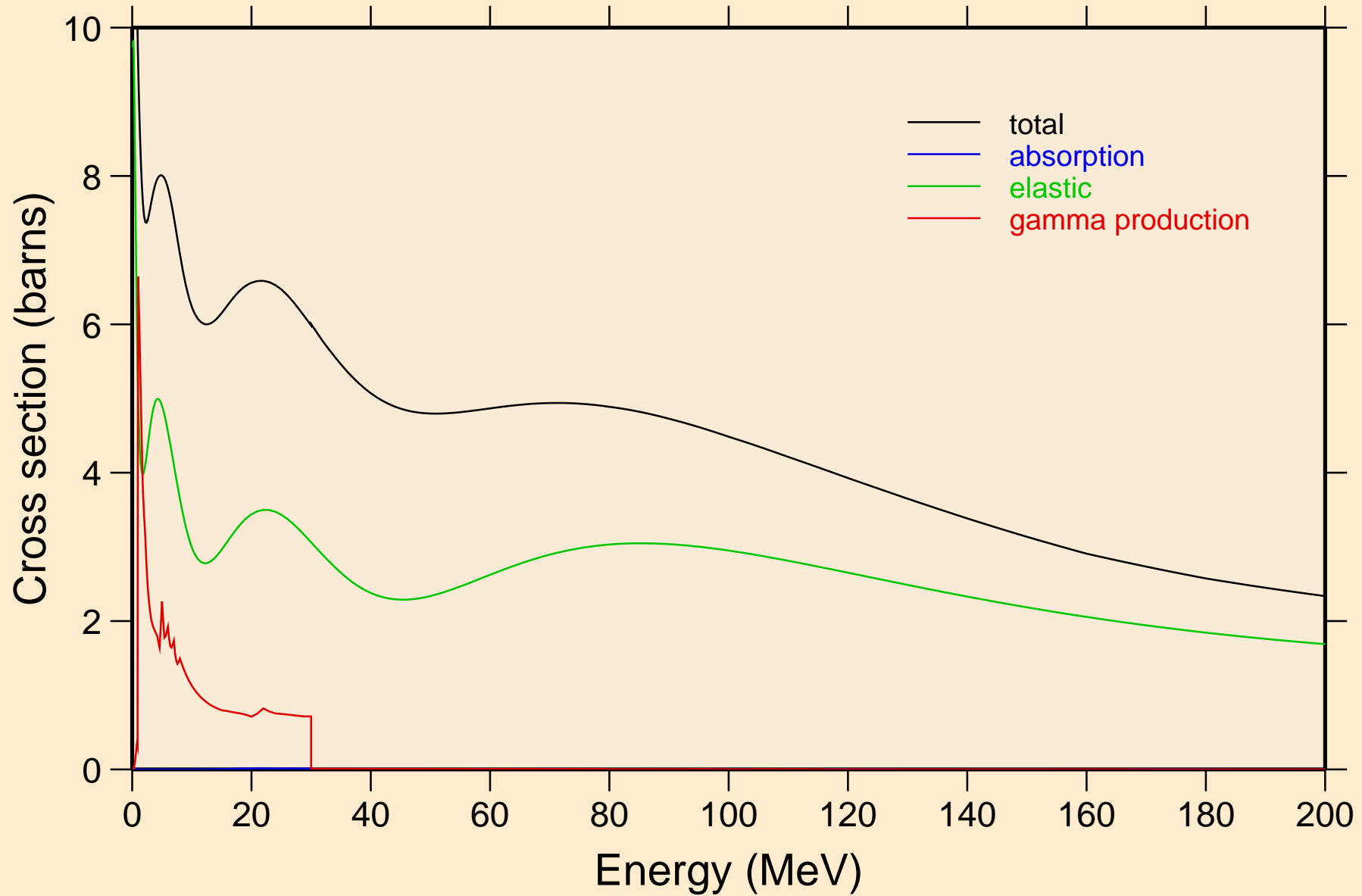
# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

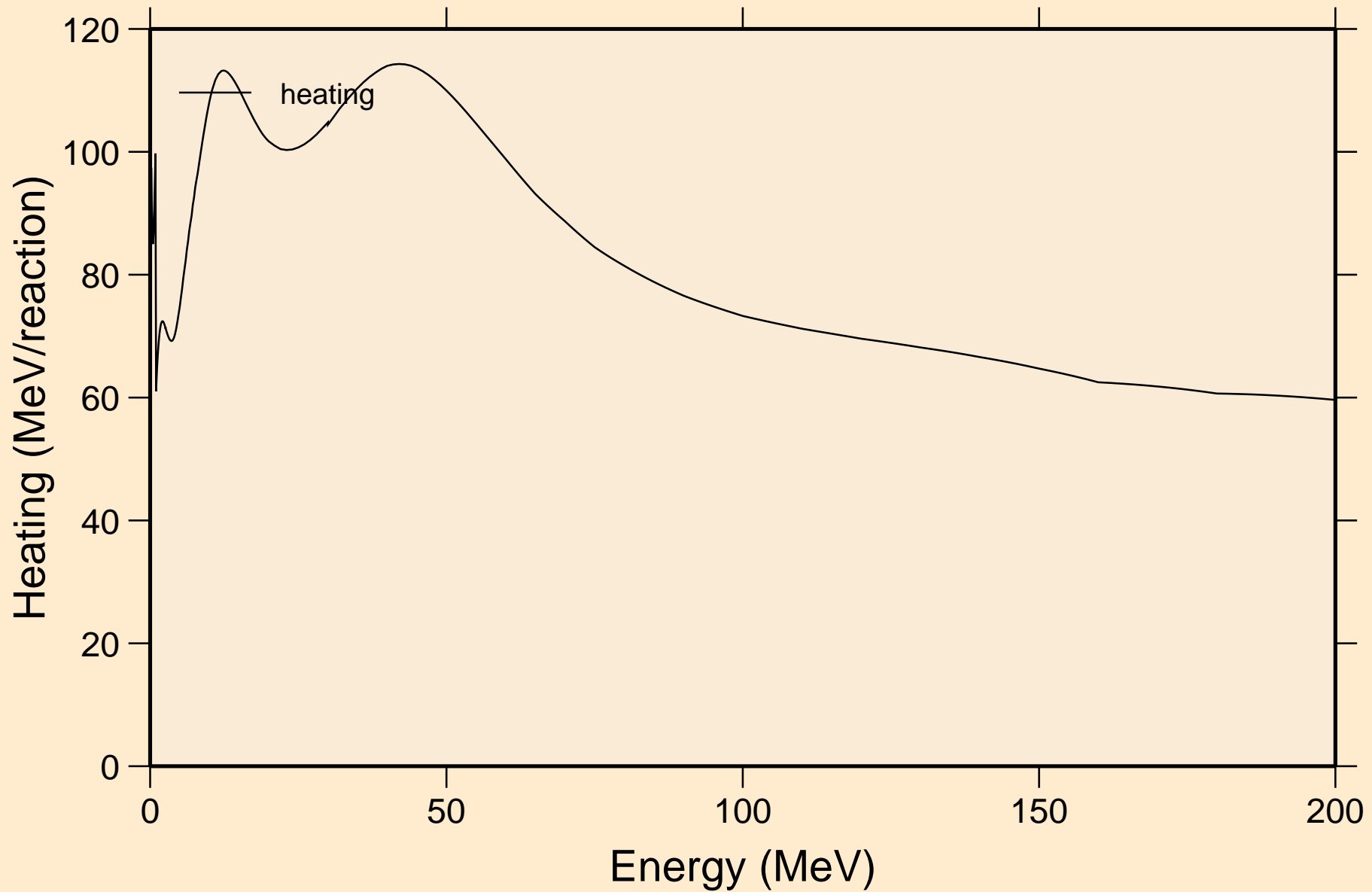


# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

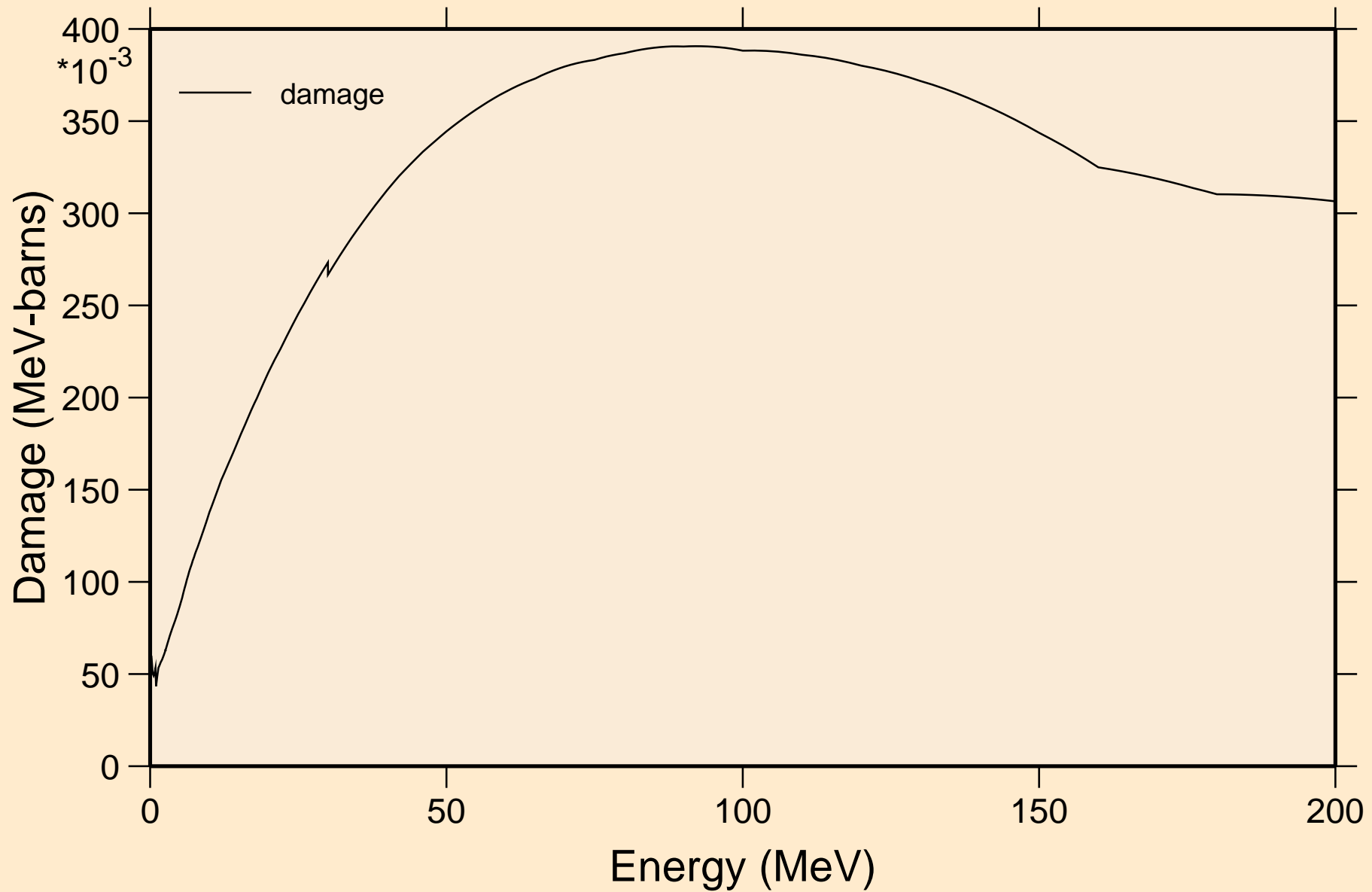


HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



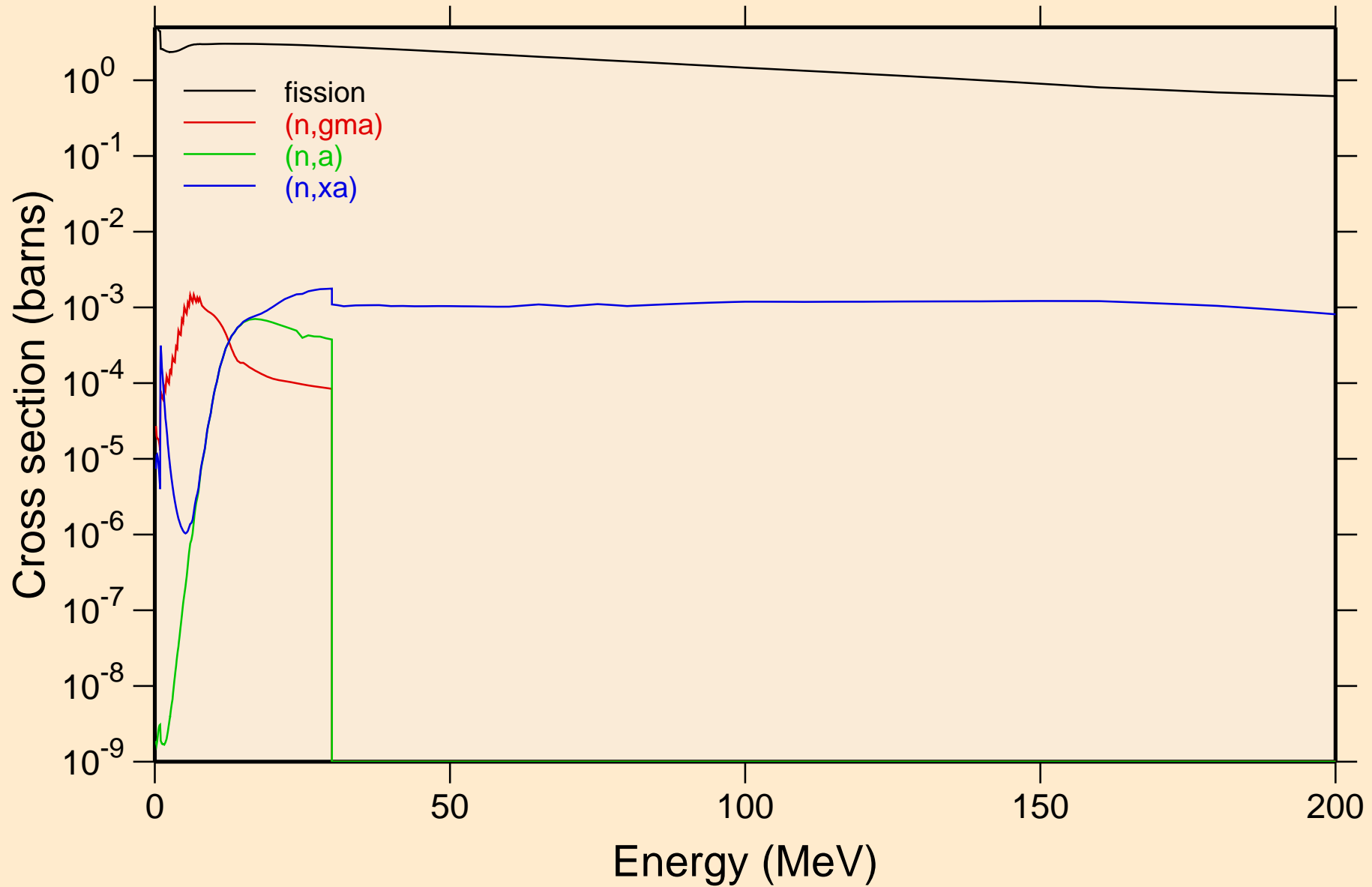
# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

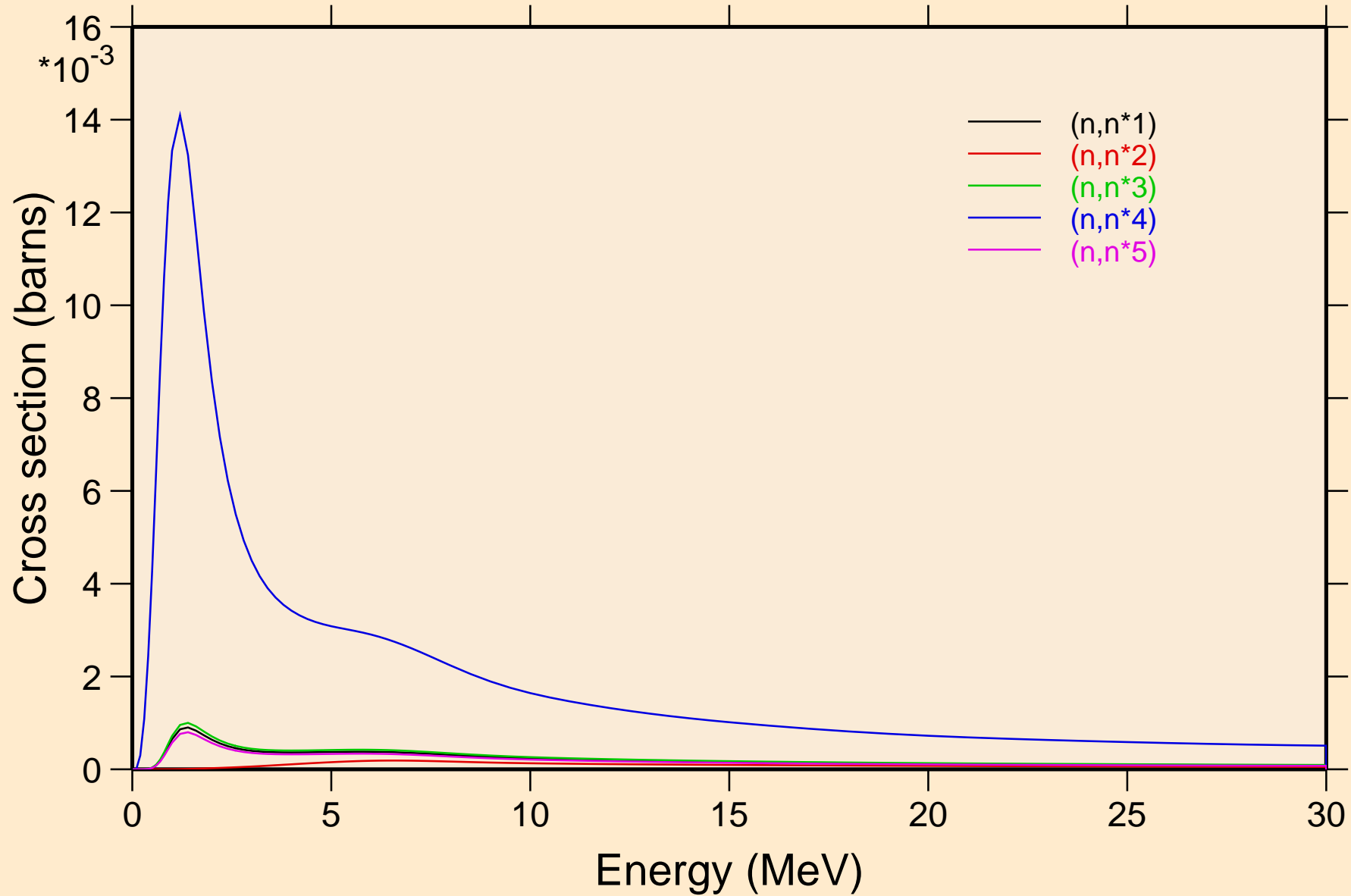


# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

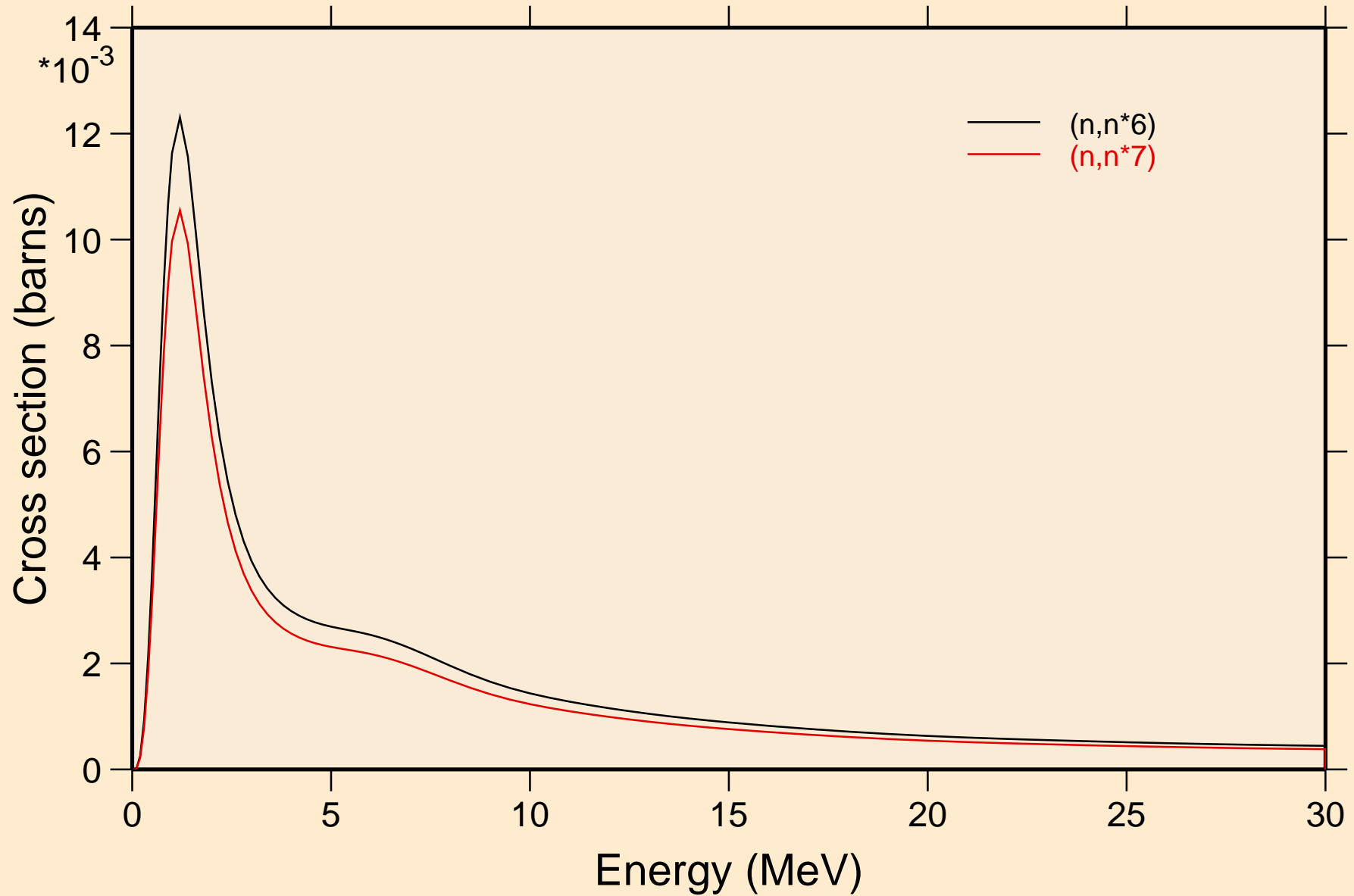
## Non-threshold reactions



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

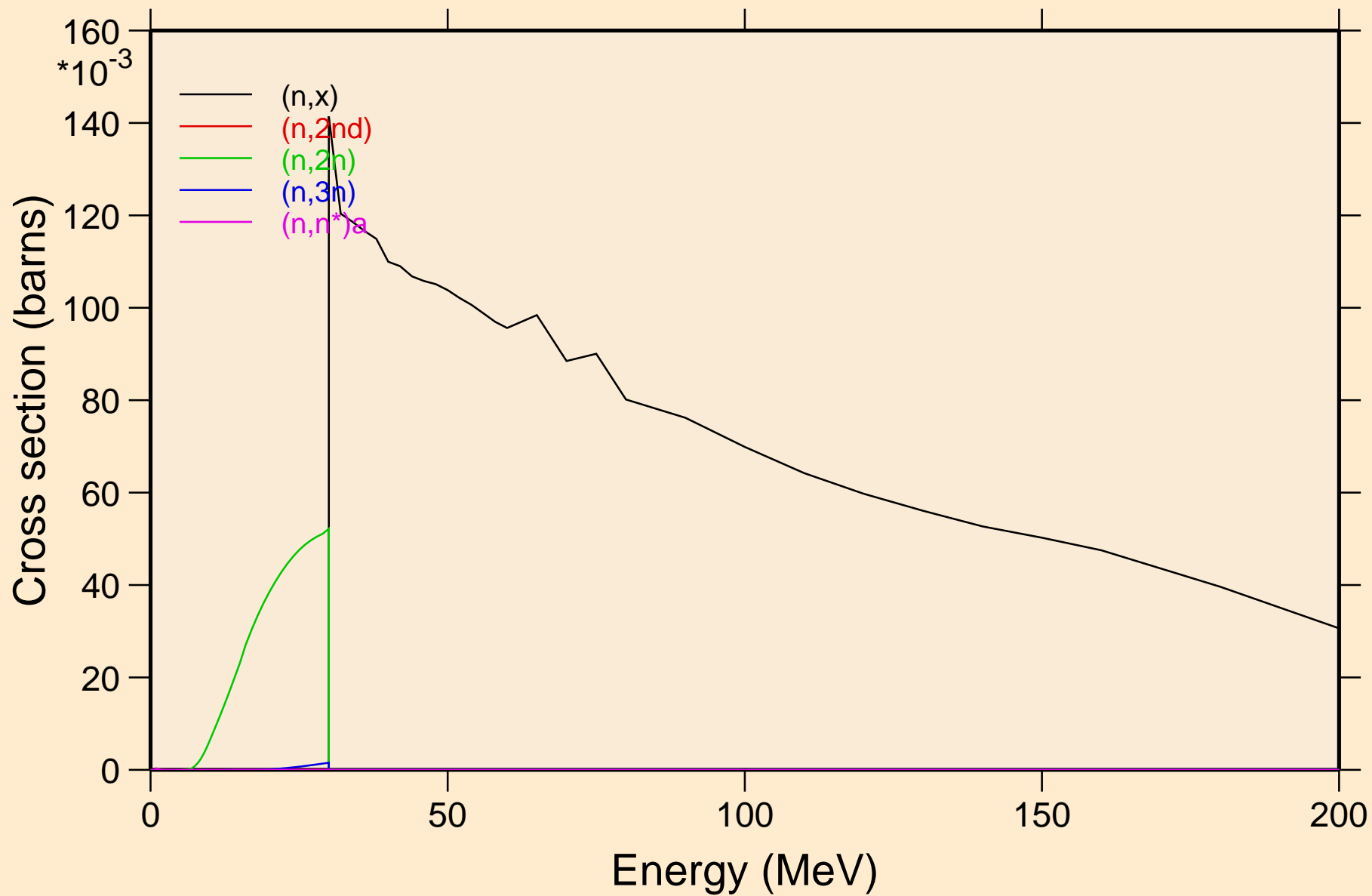


HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



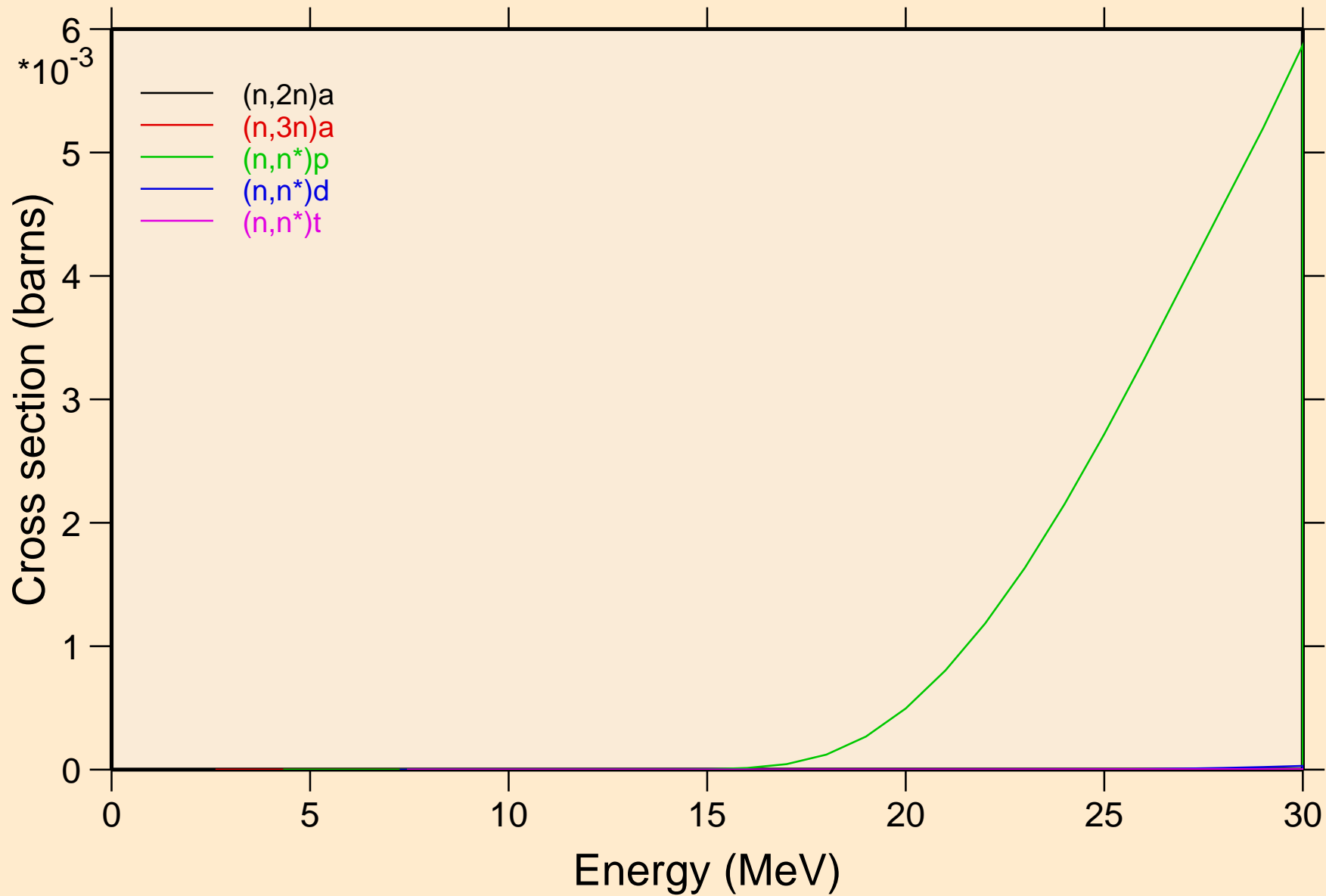
# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



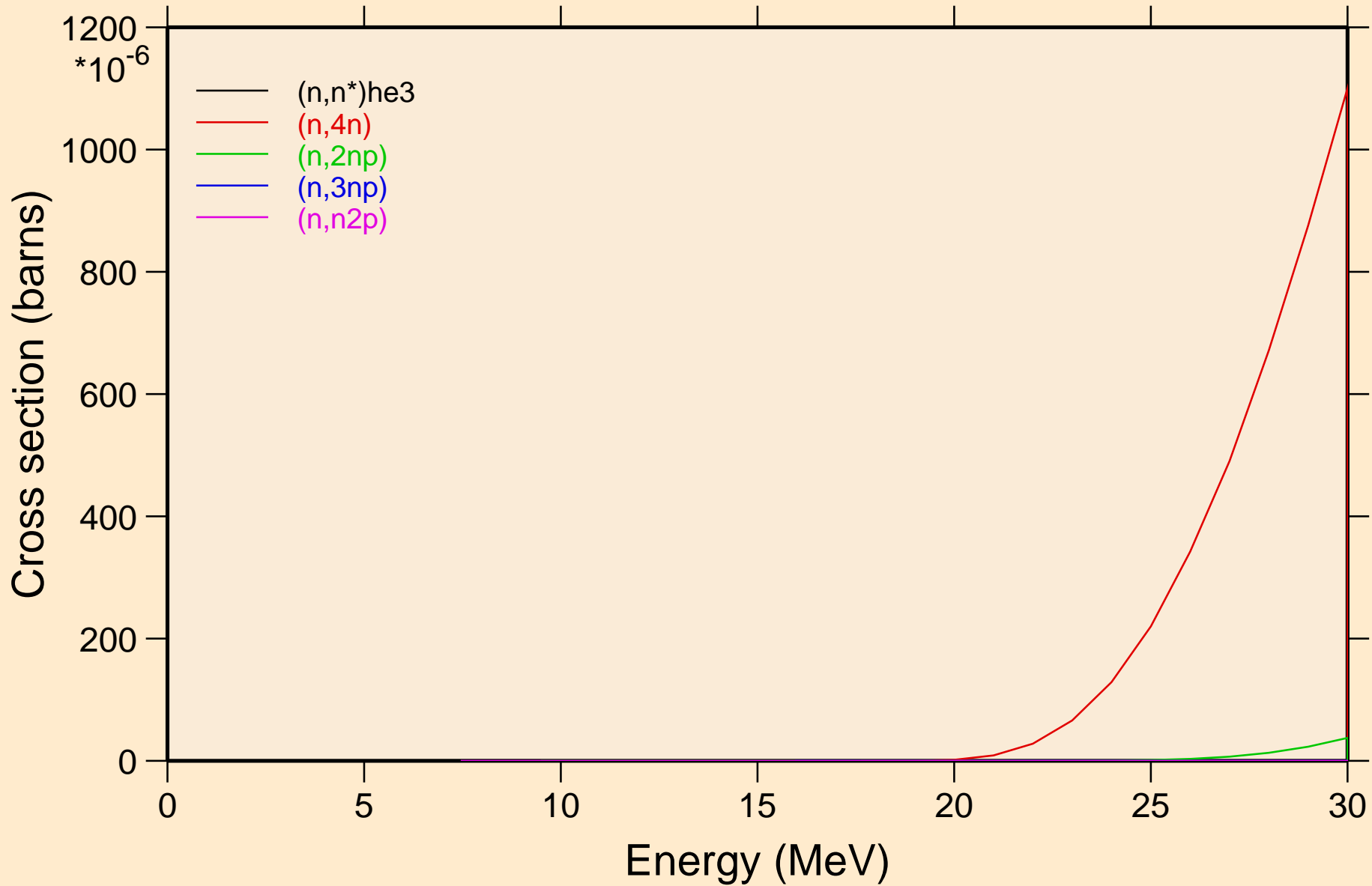
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## Threshold reactions



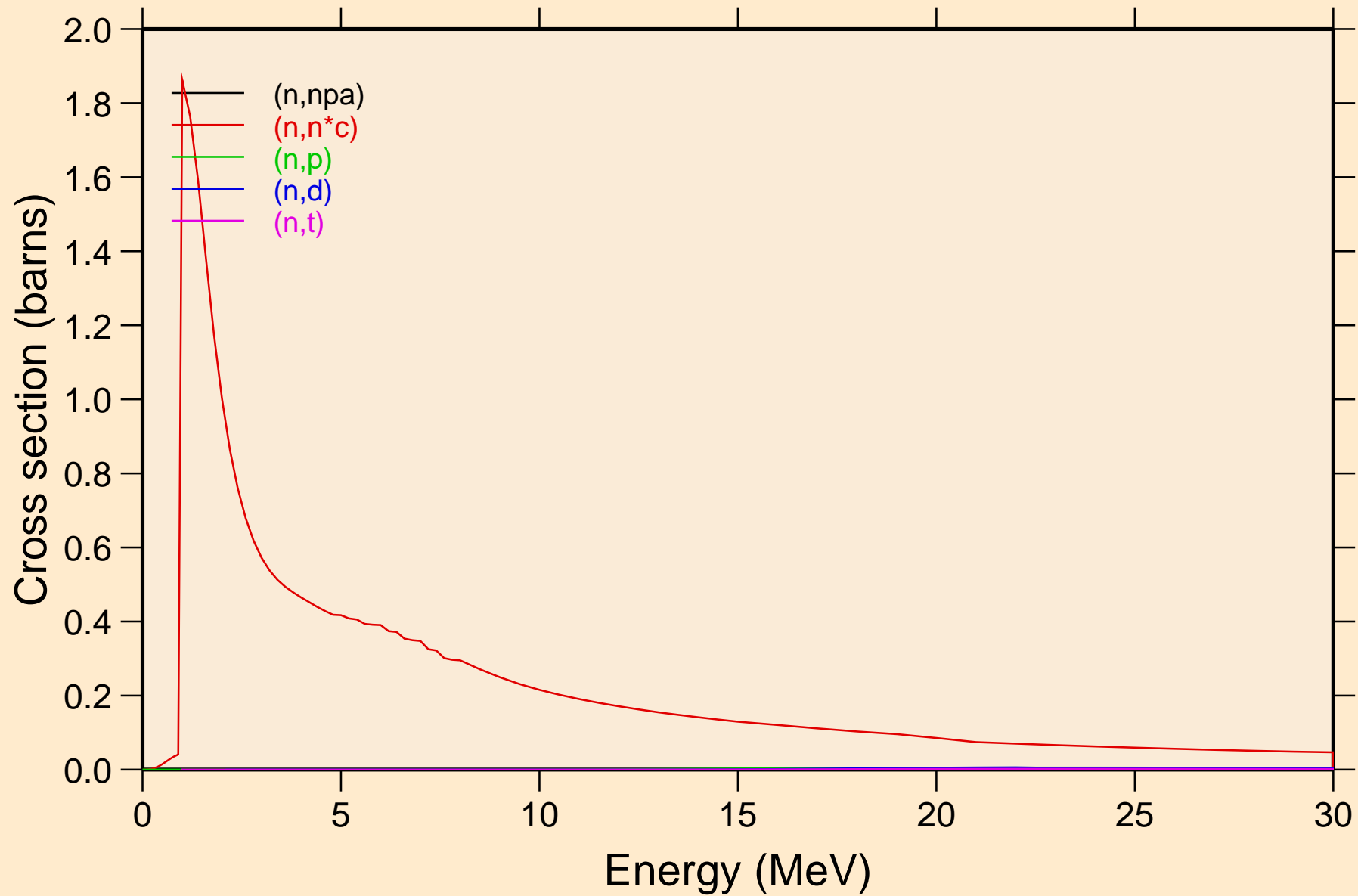
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## Threshold reactions



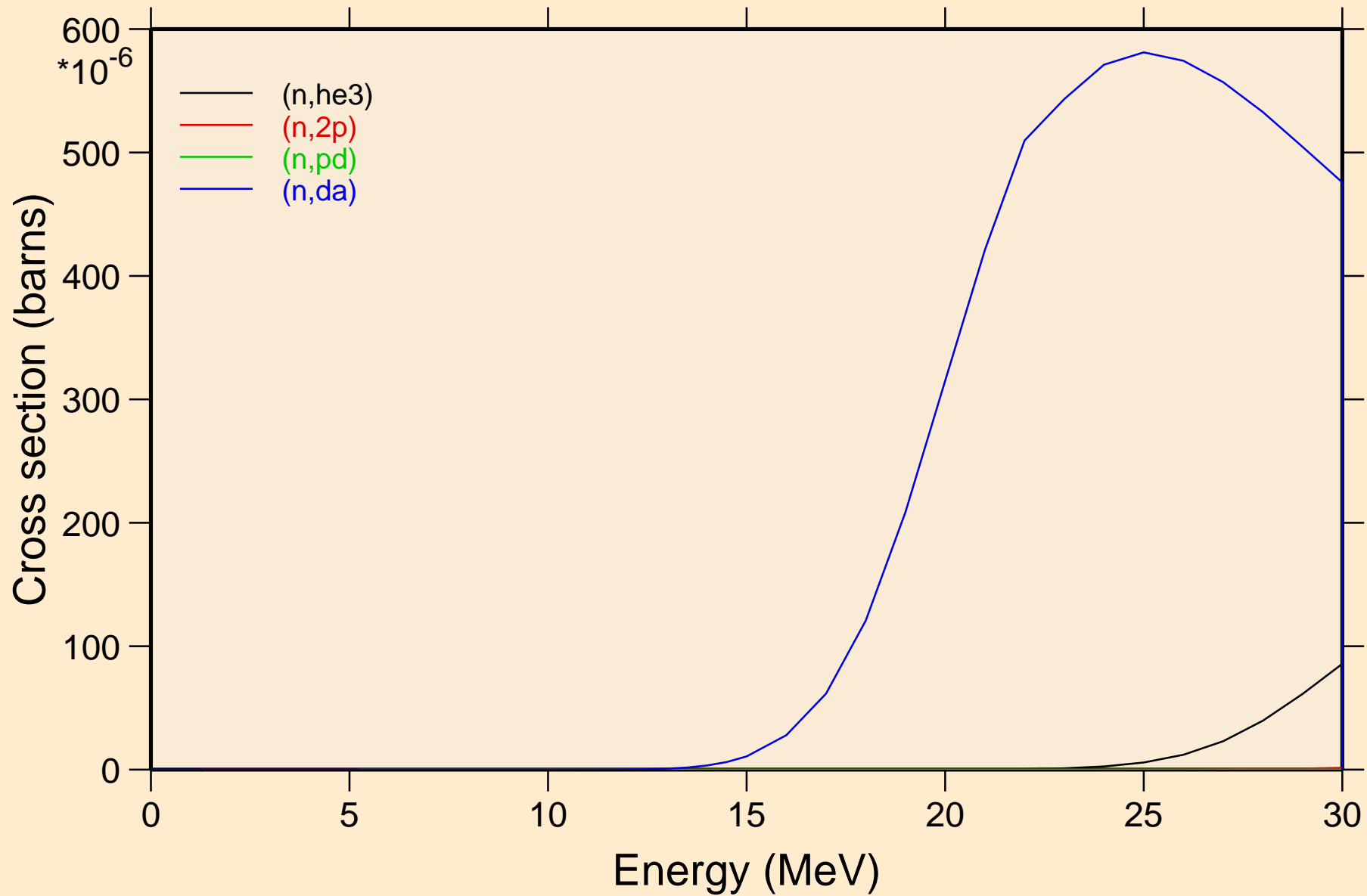
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## Threshold reactions



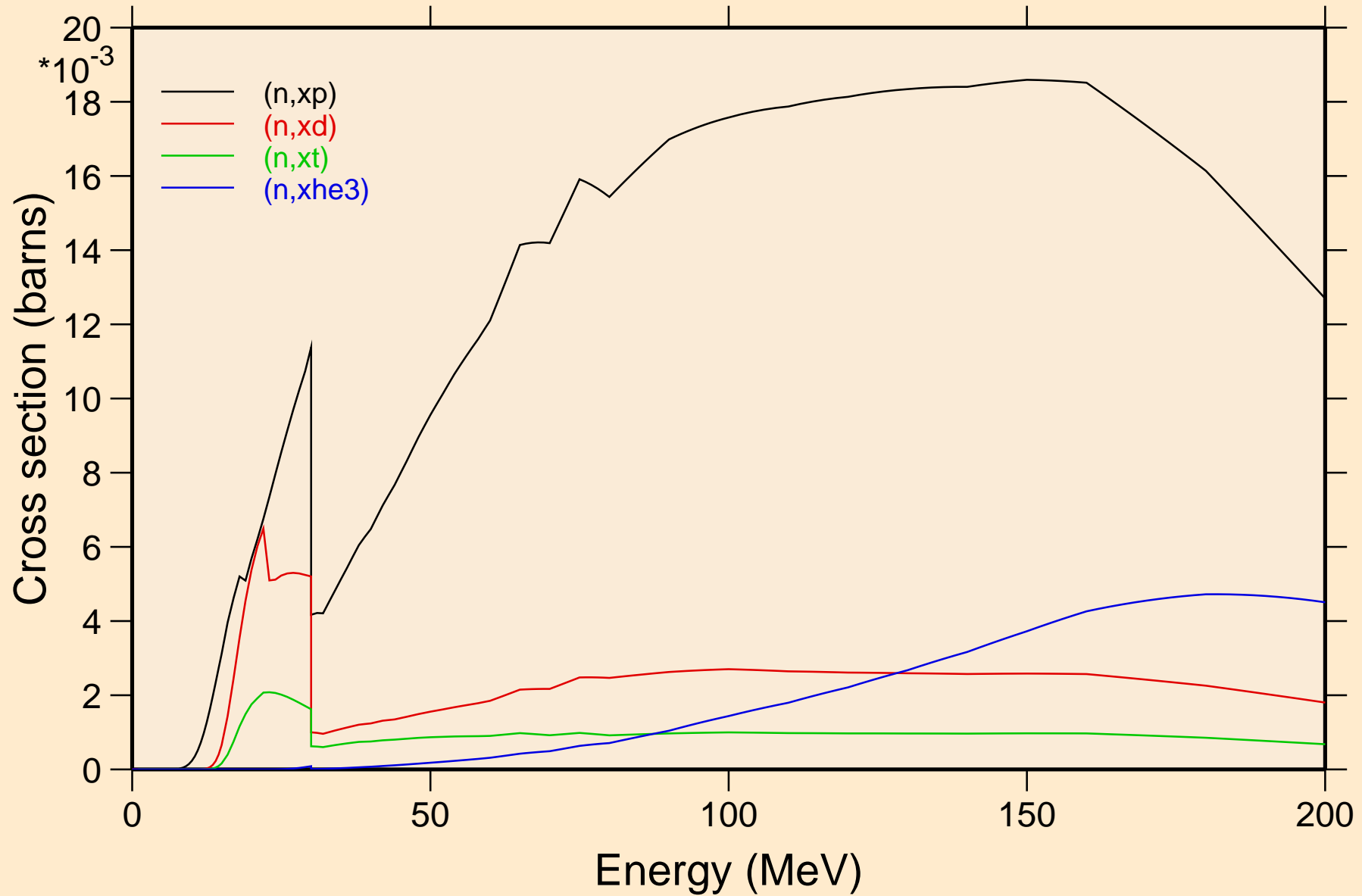
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## Threshold reactions

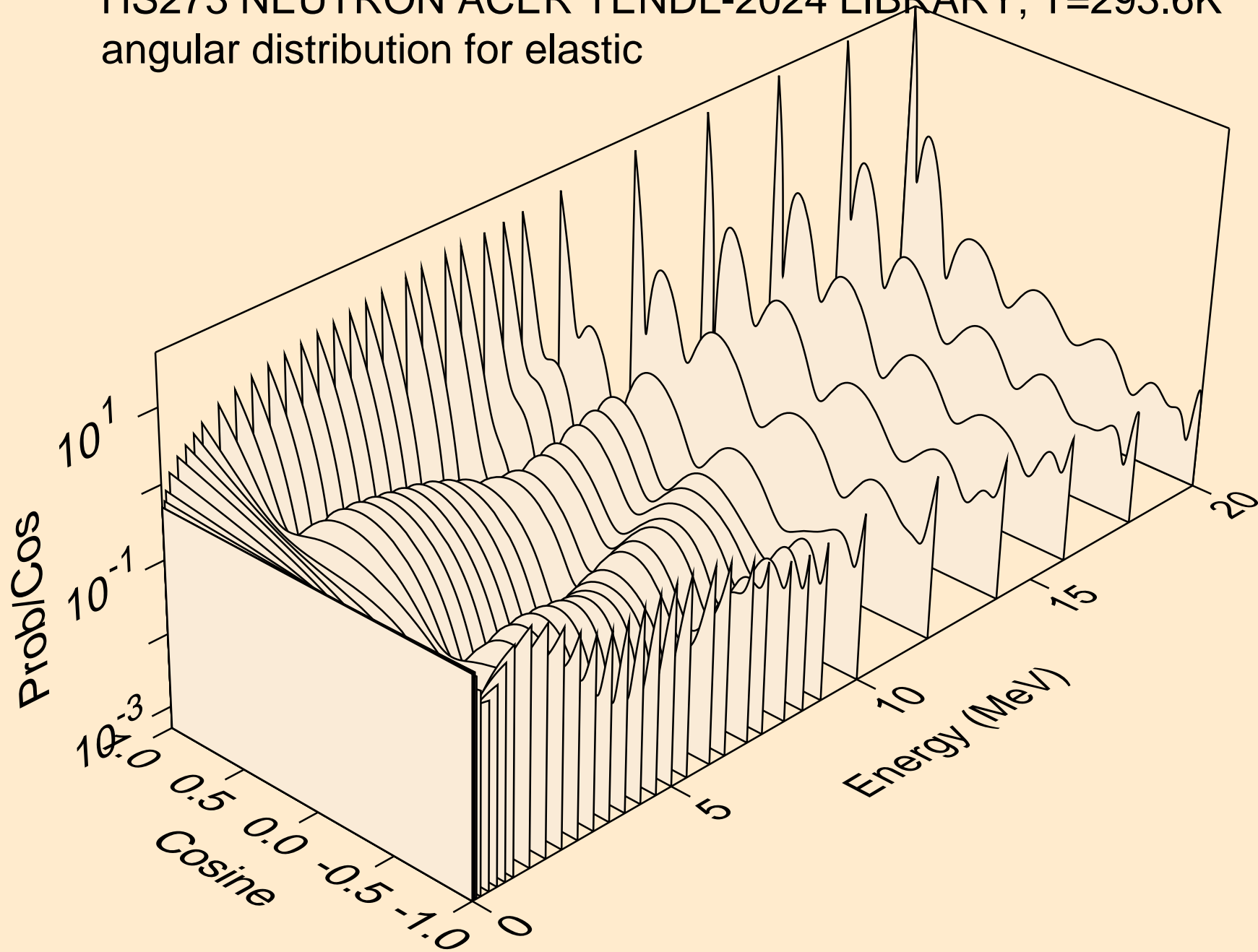


# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

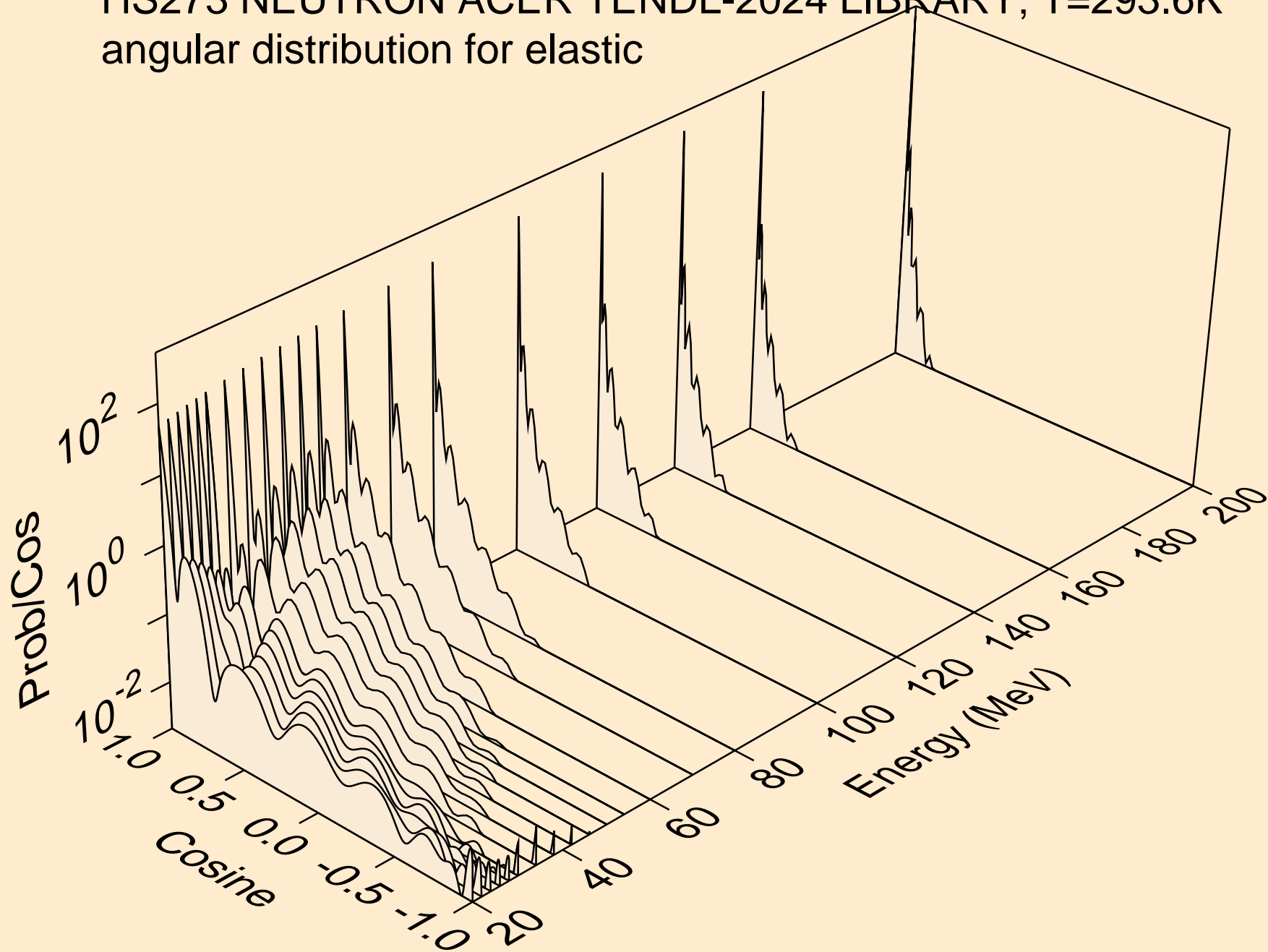
## Threshold reactions



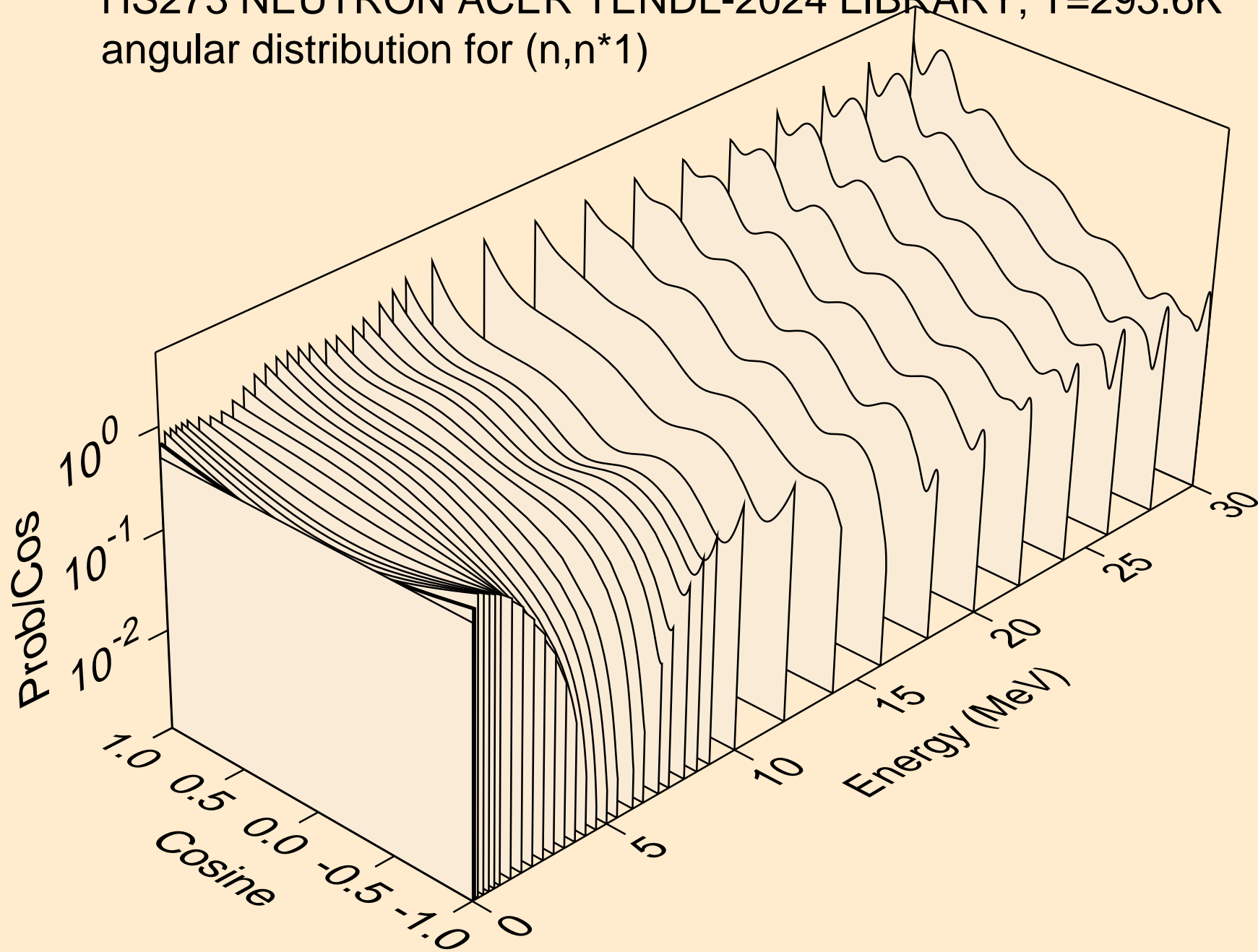
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



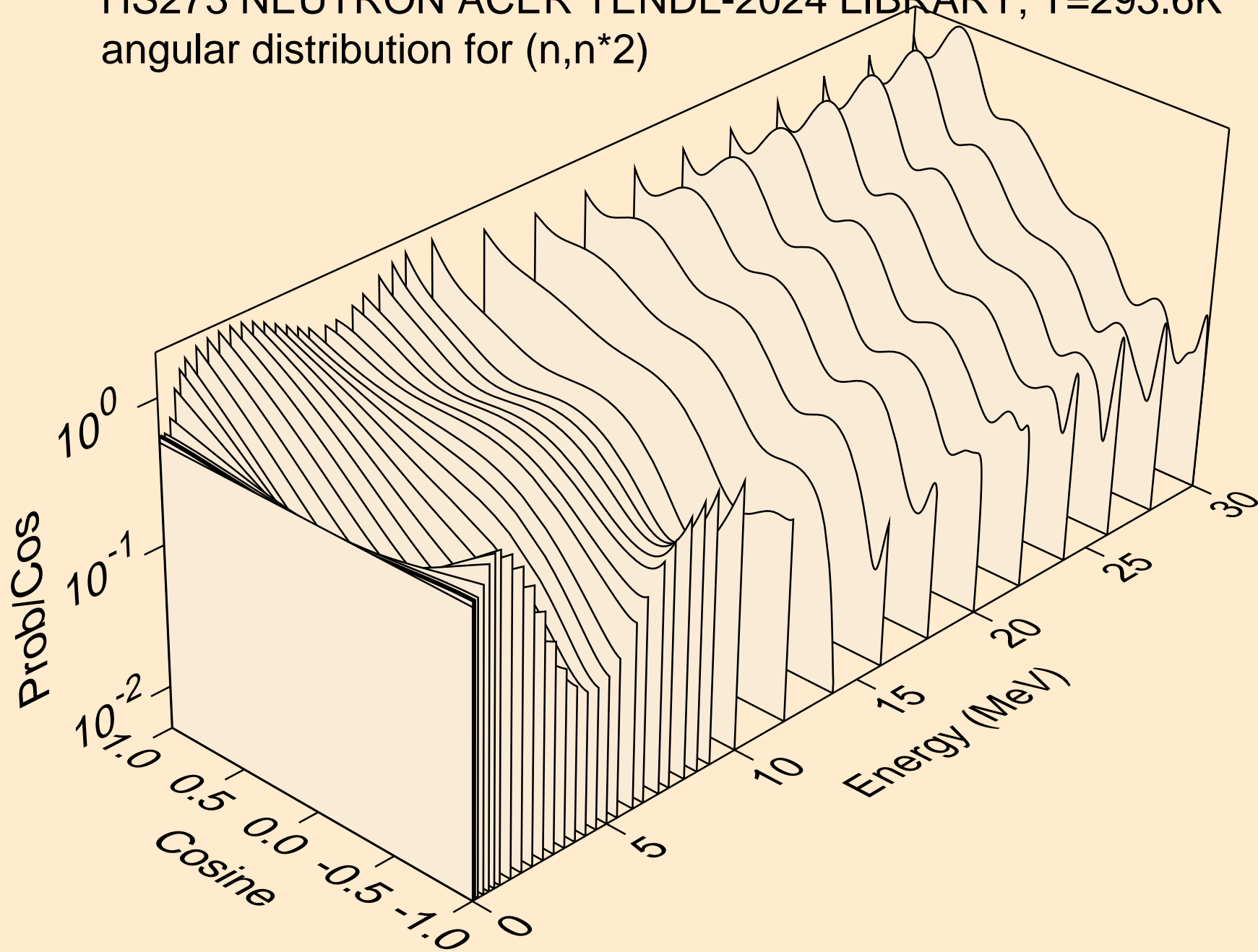
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



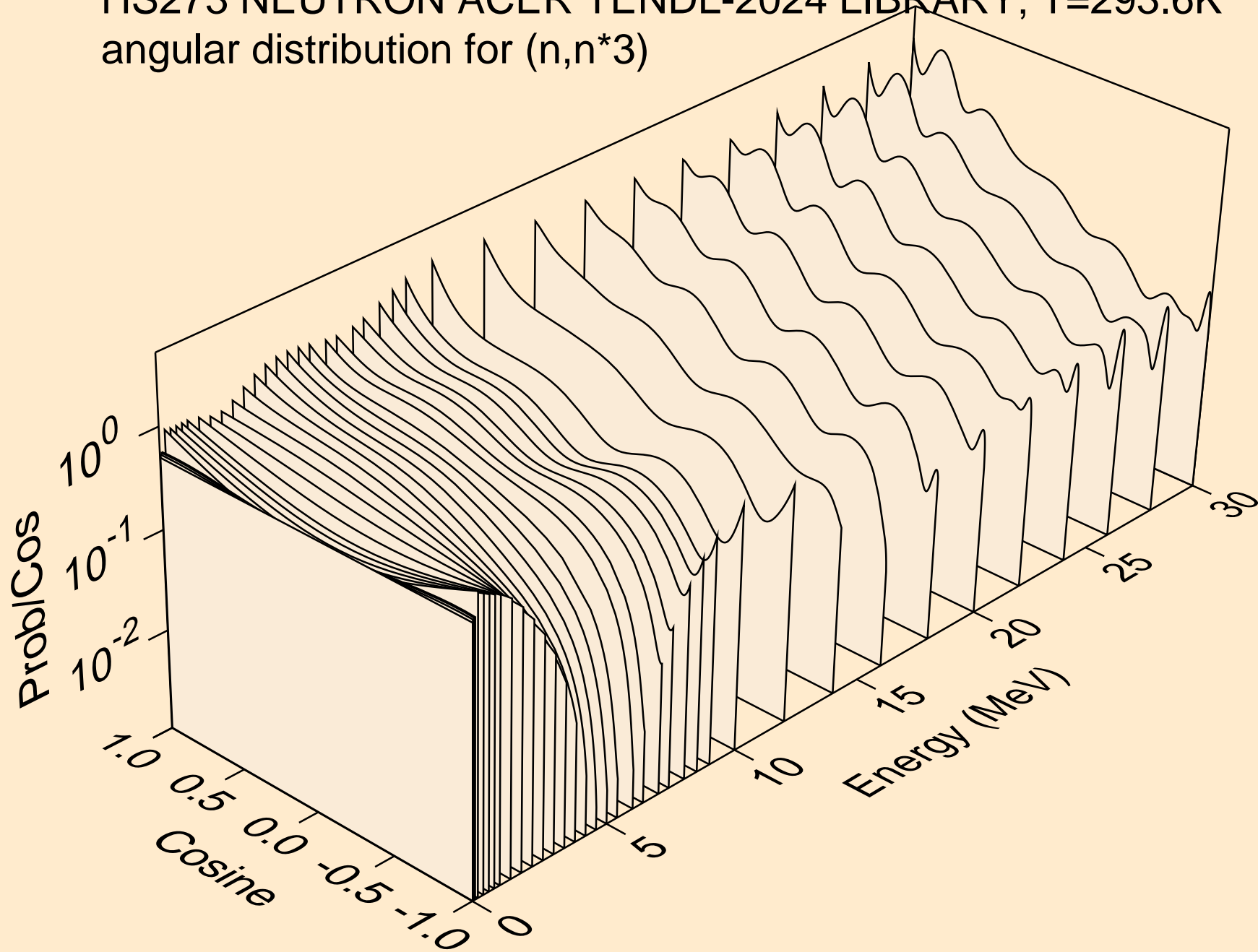
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



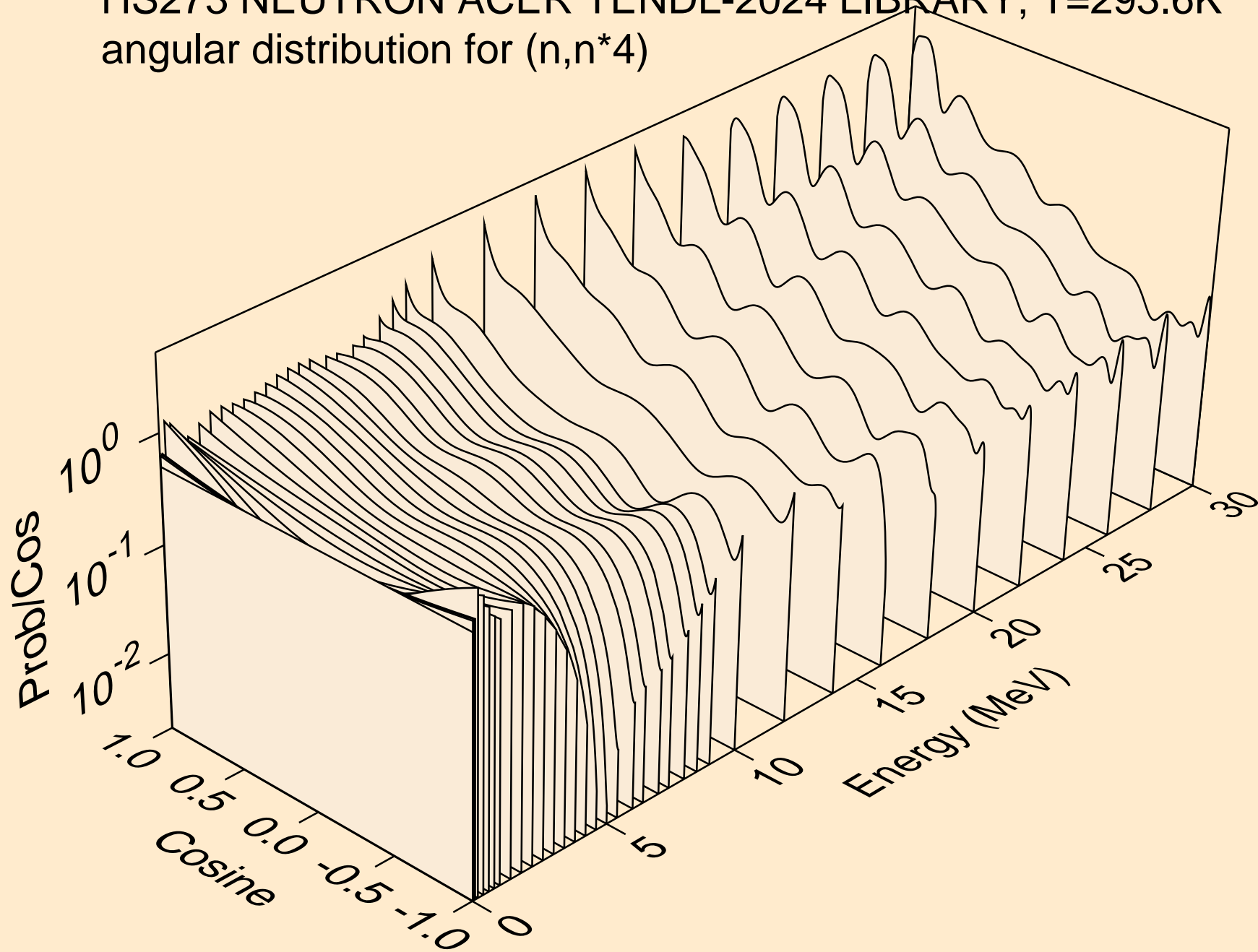
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



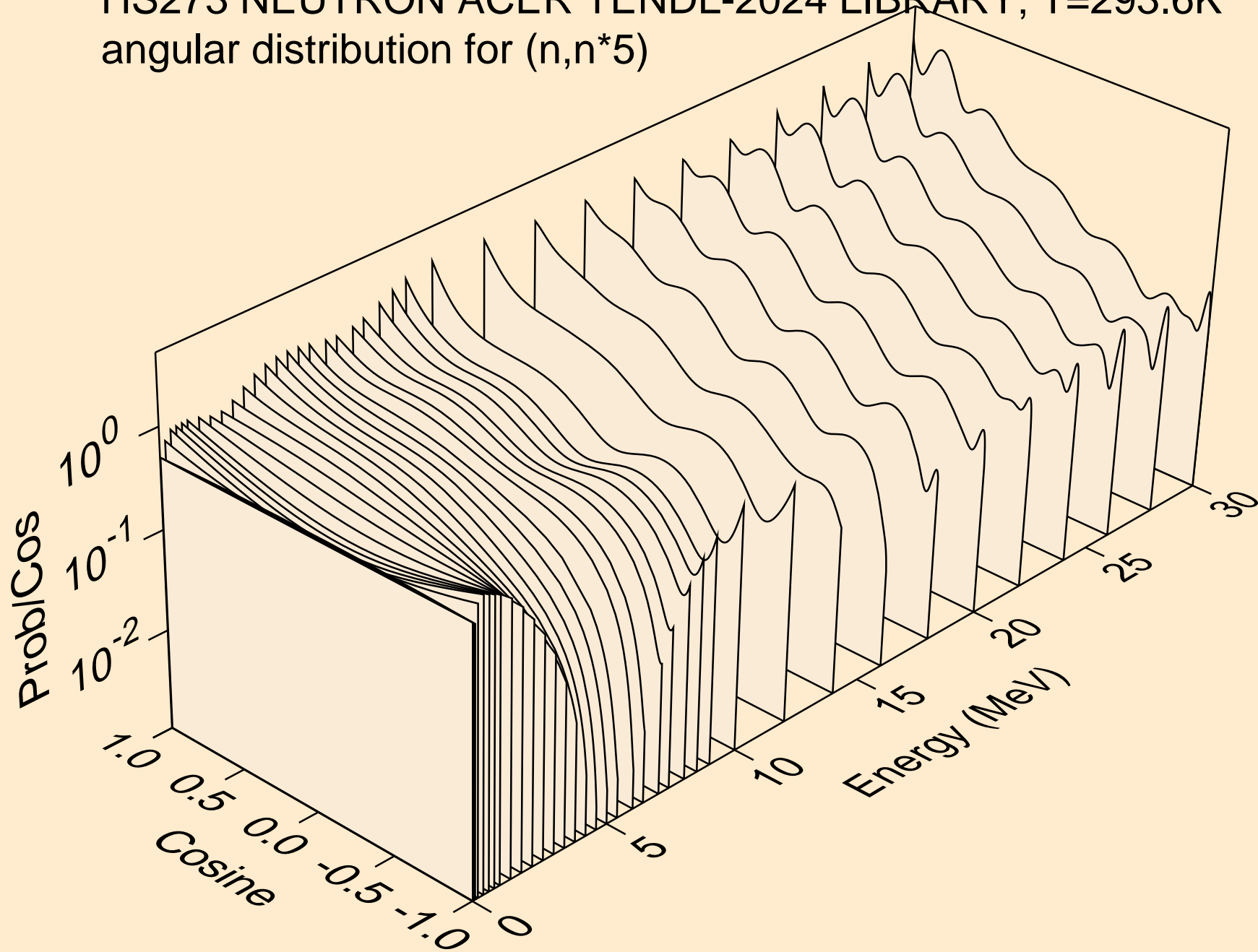
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



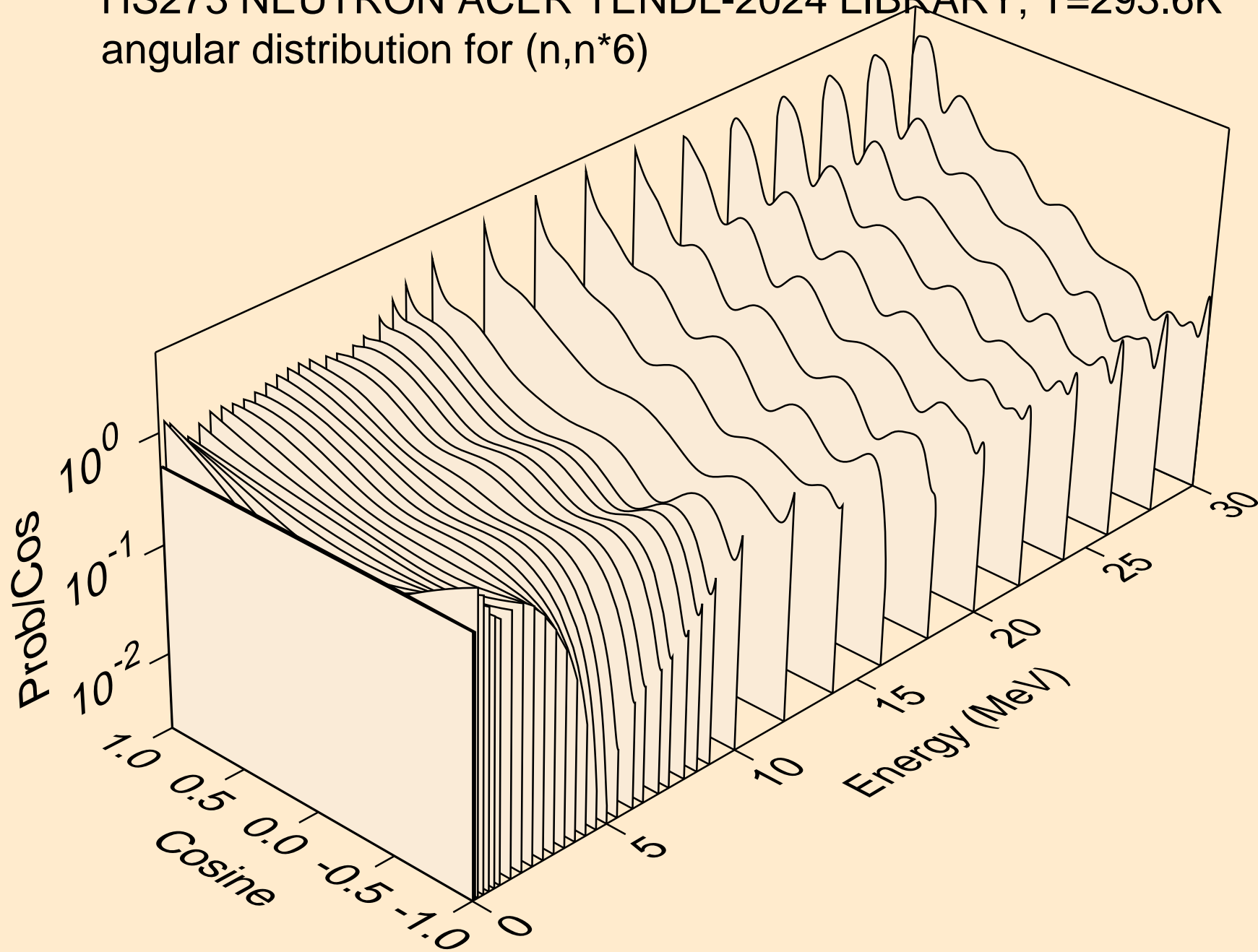
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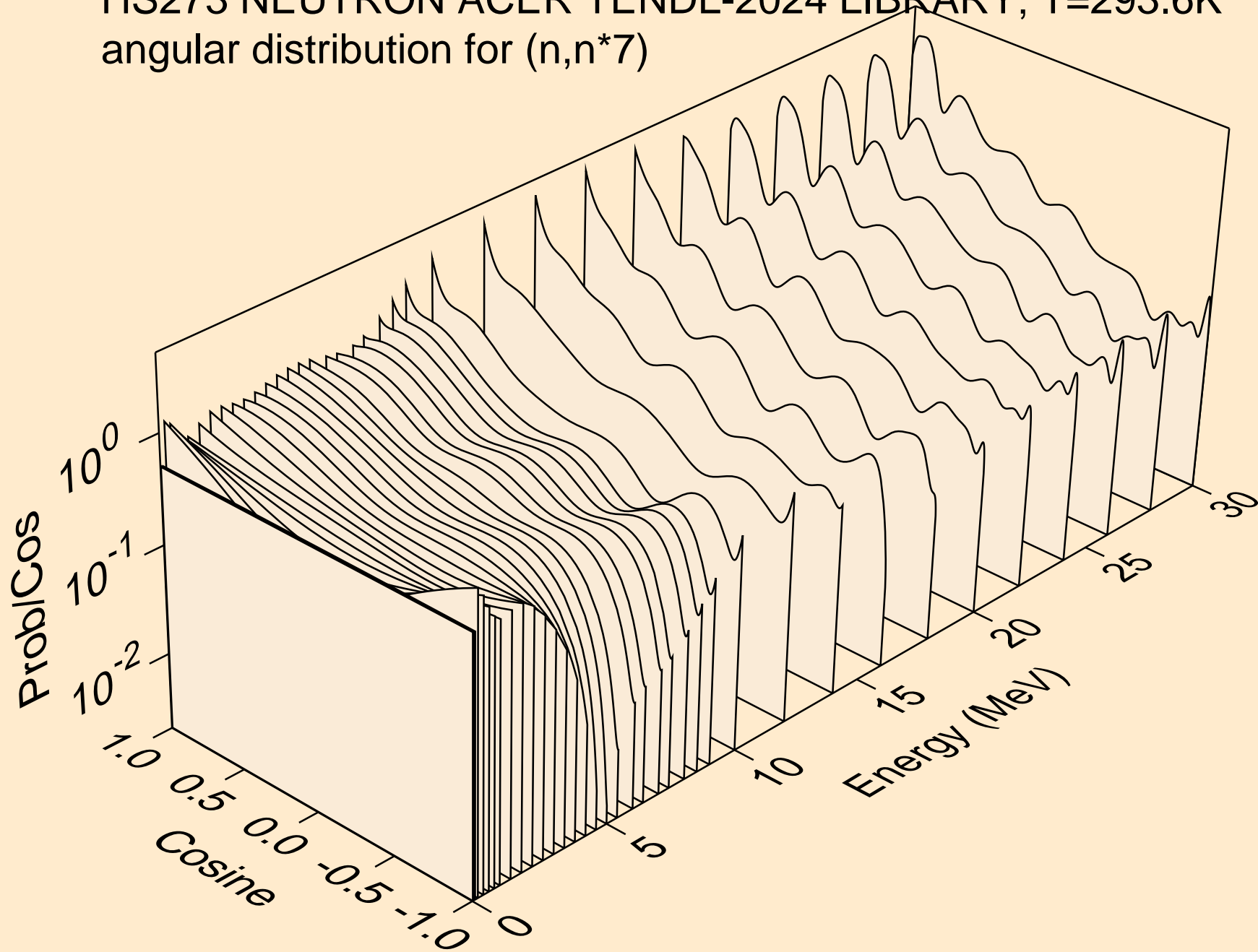
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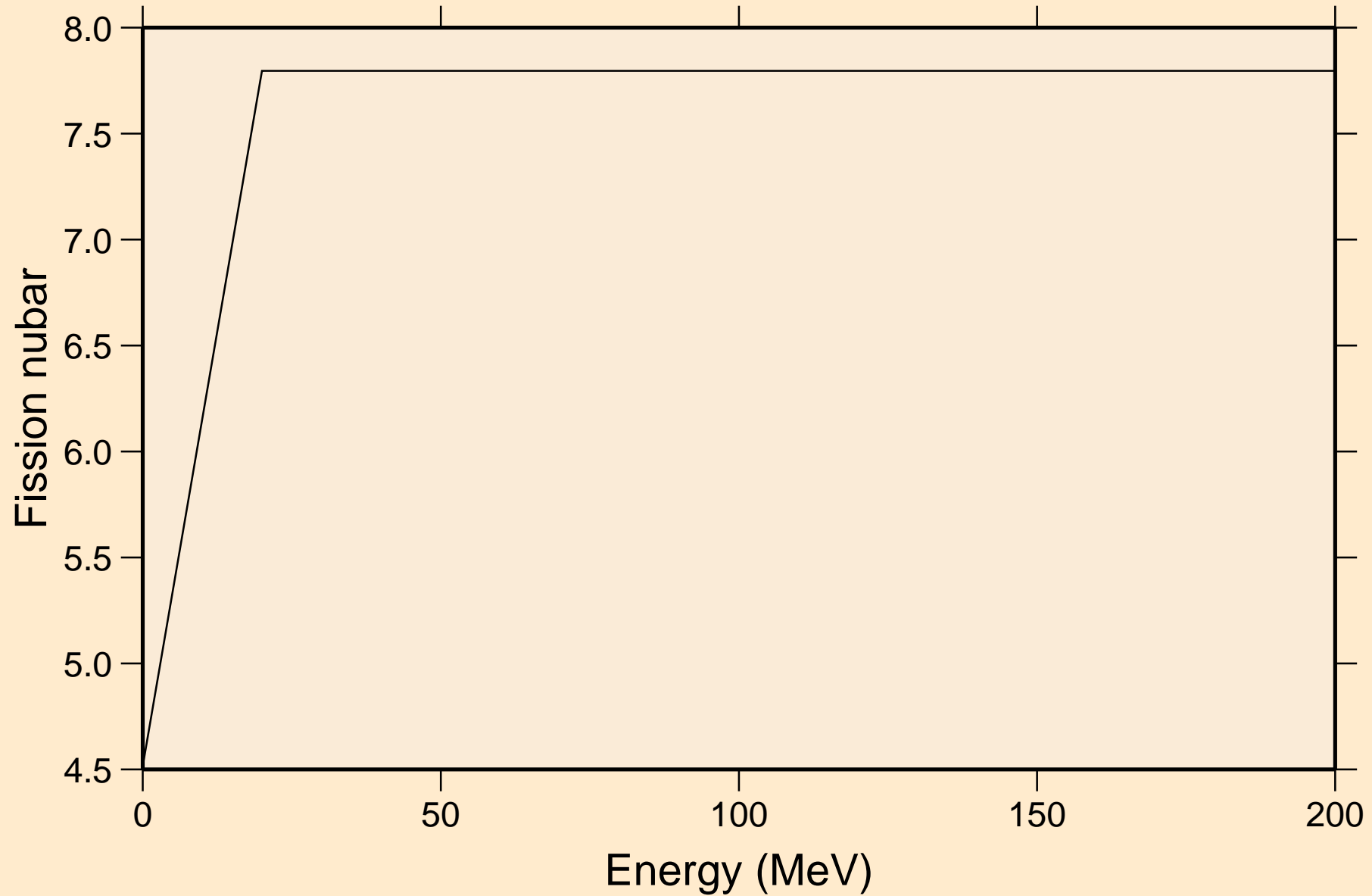
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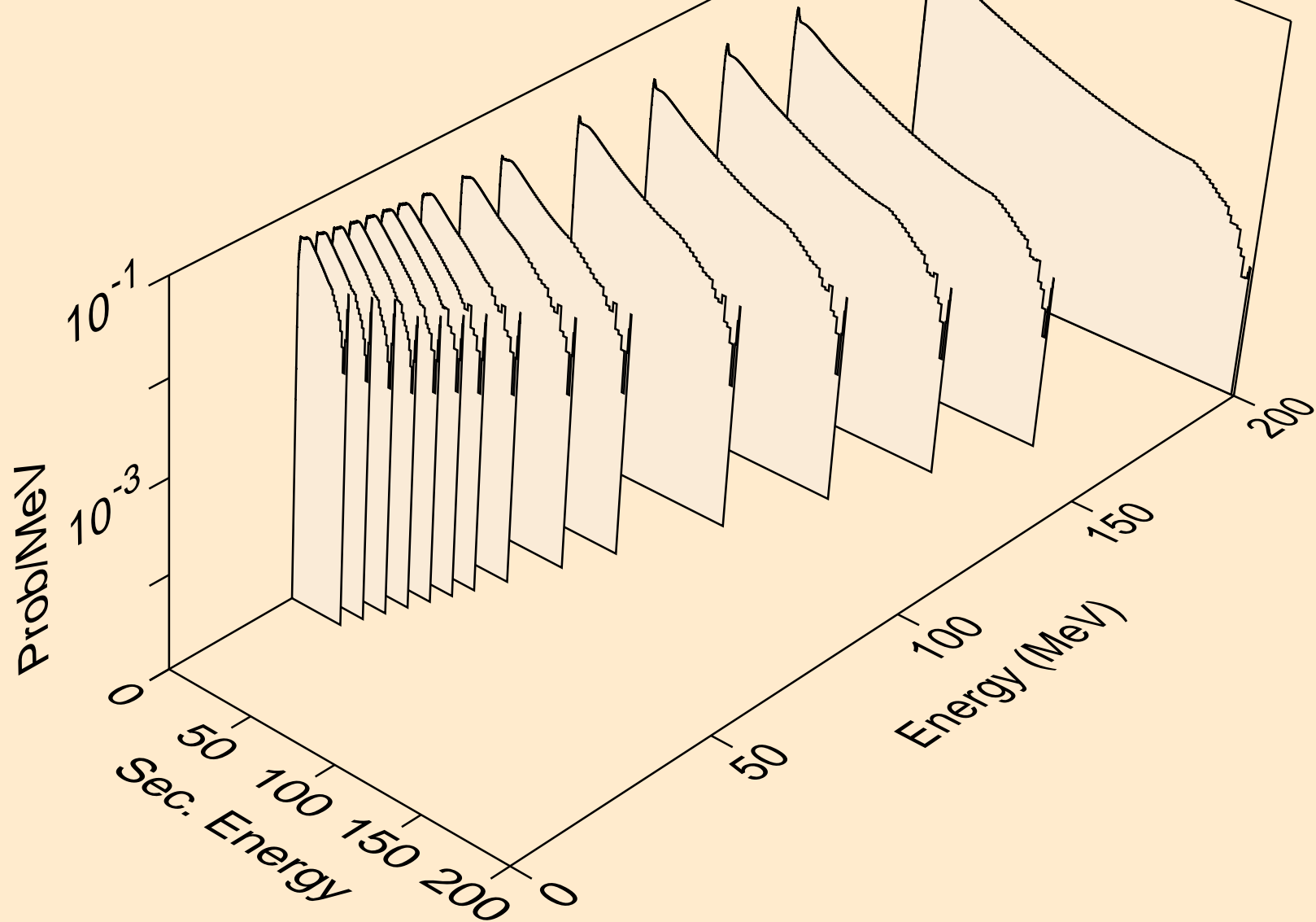
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angular distribution for (n,n\*7)



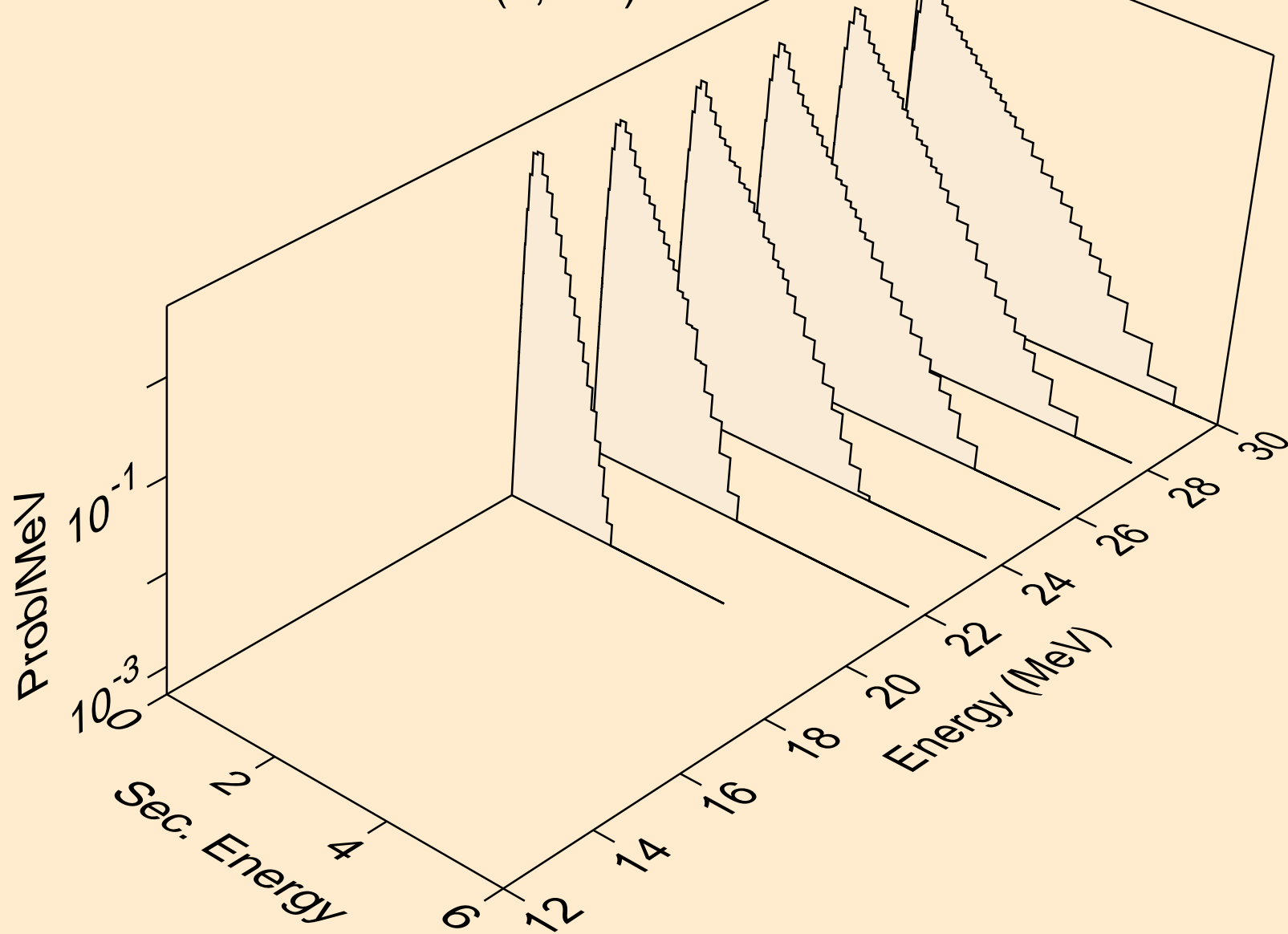
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Total fission nubar



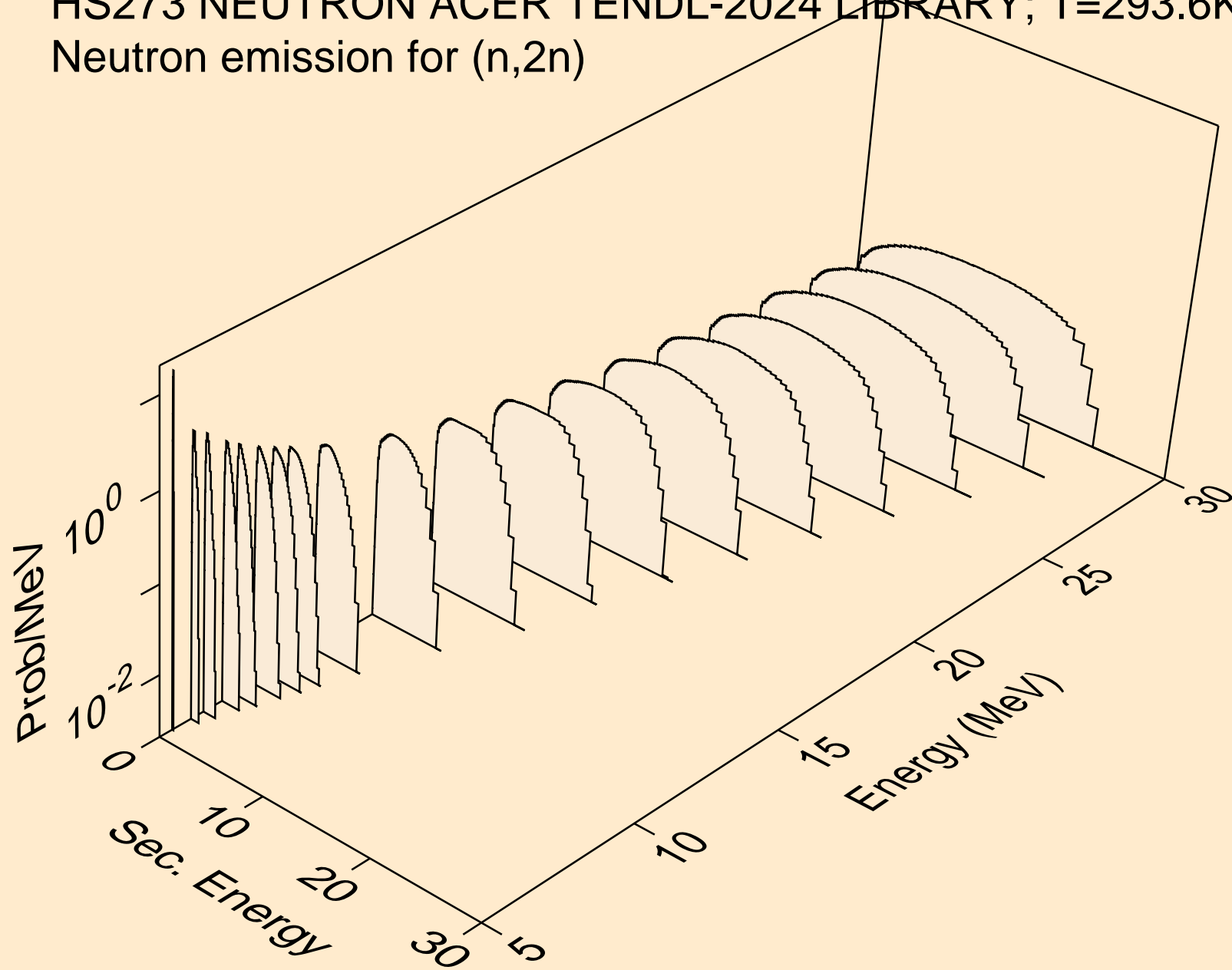
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



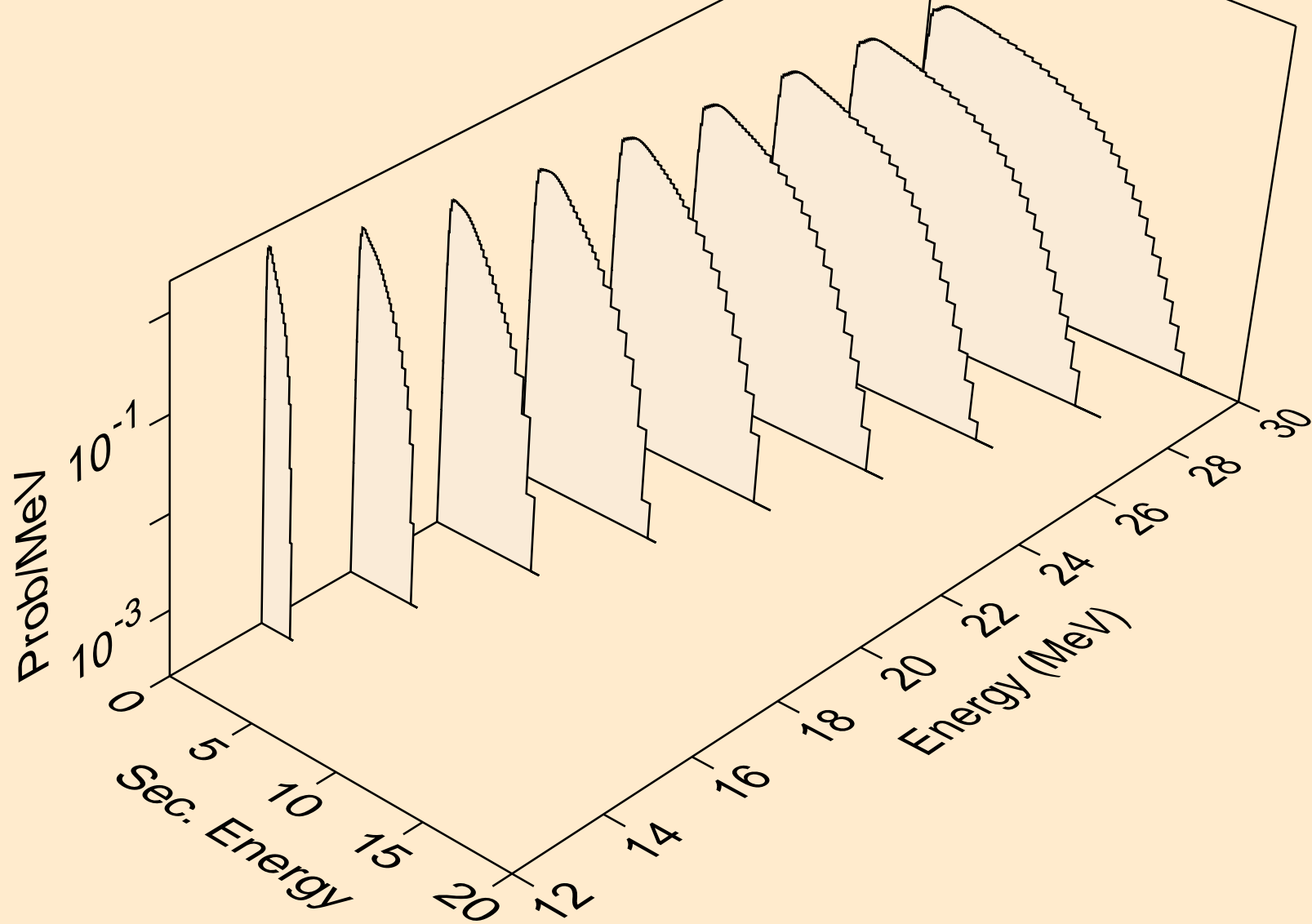
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



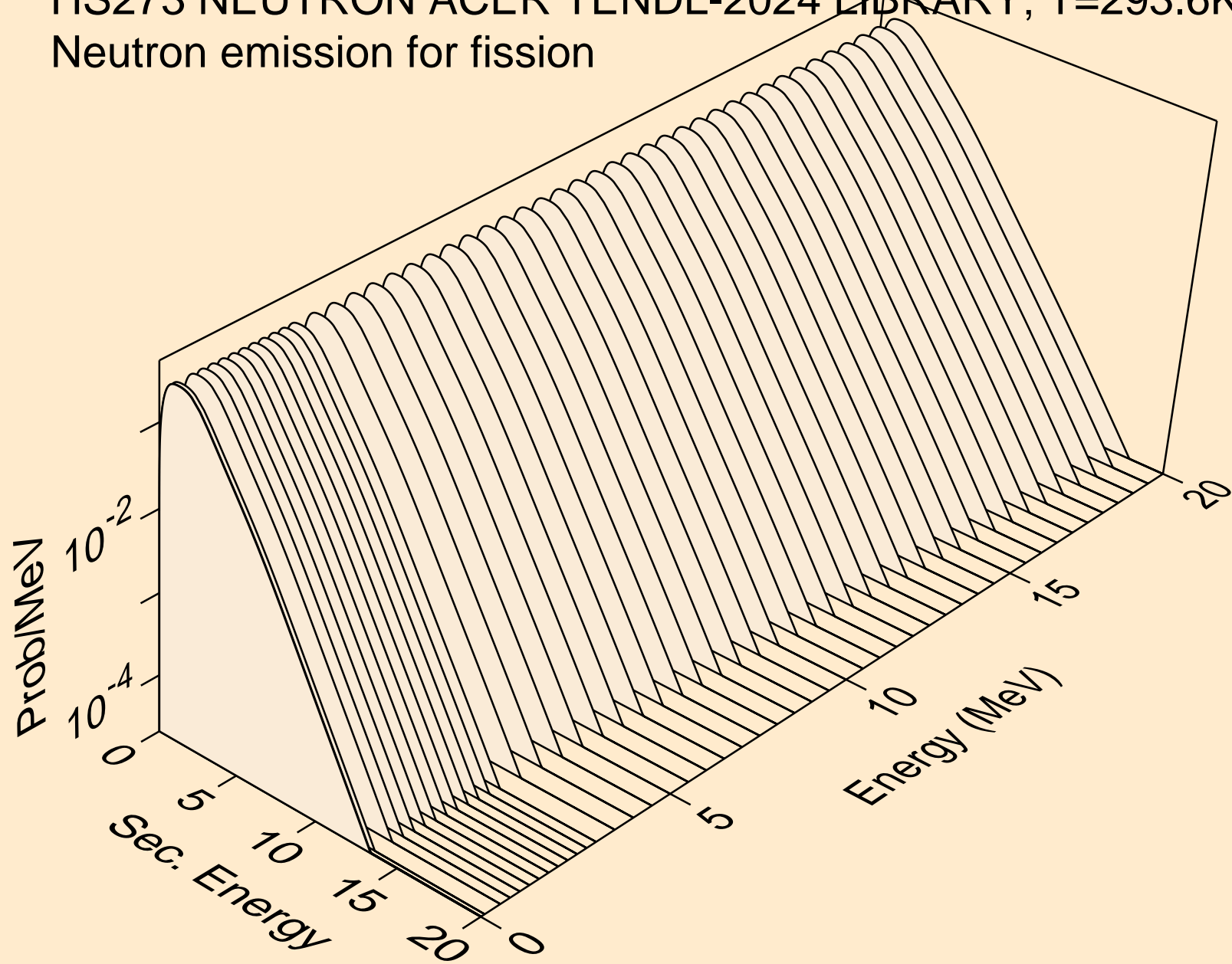
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



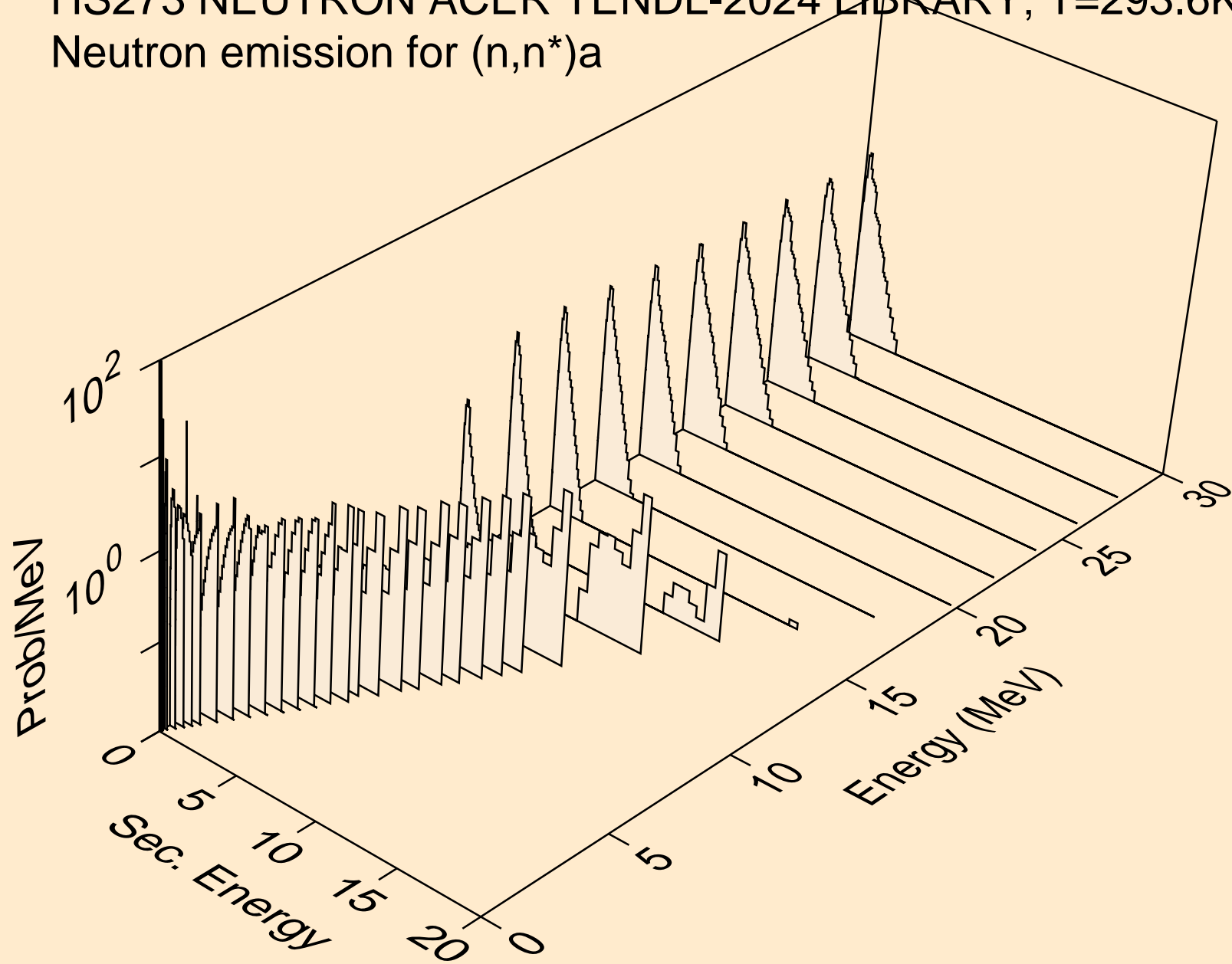
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



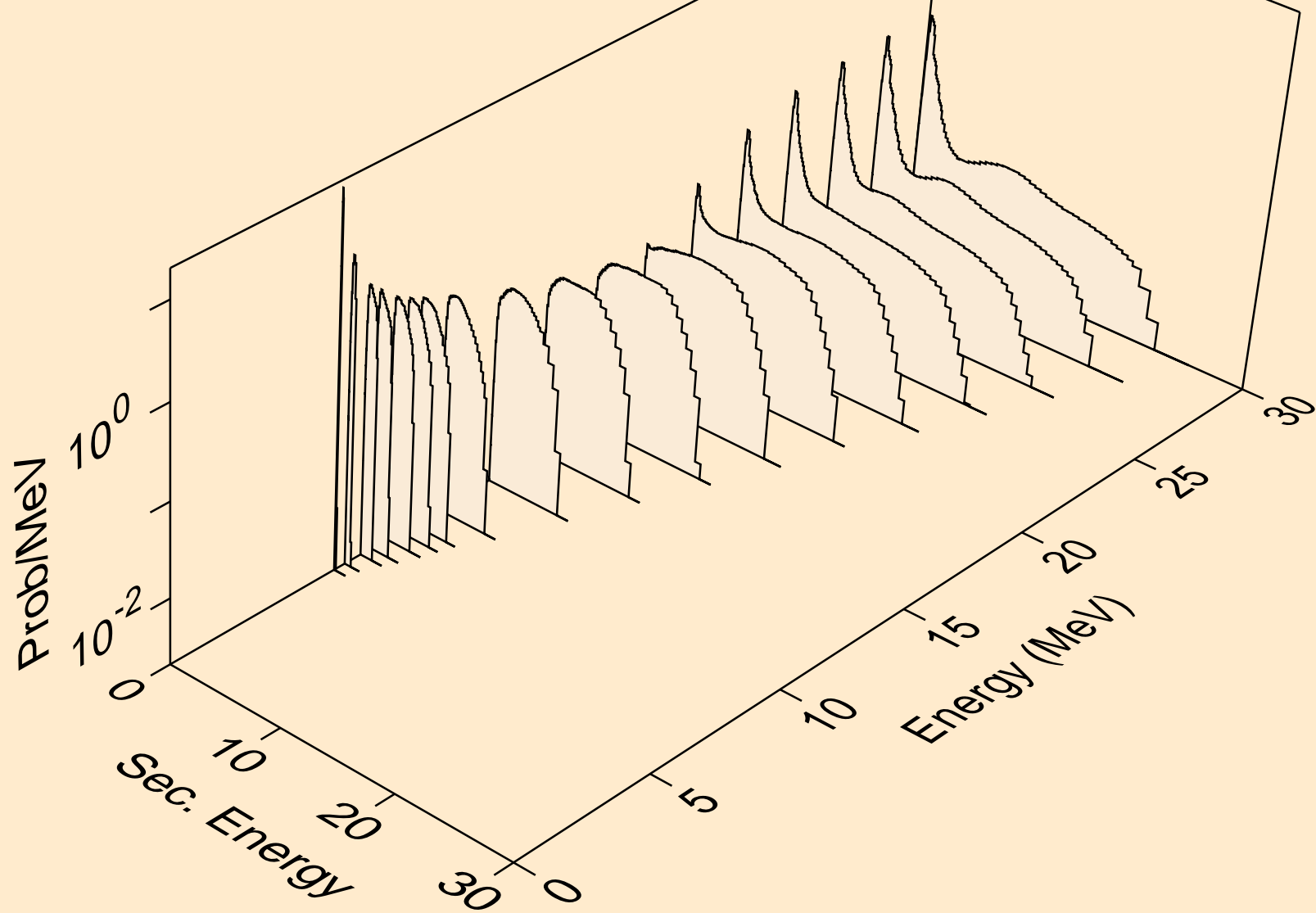
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for fission



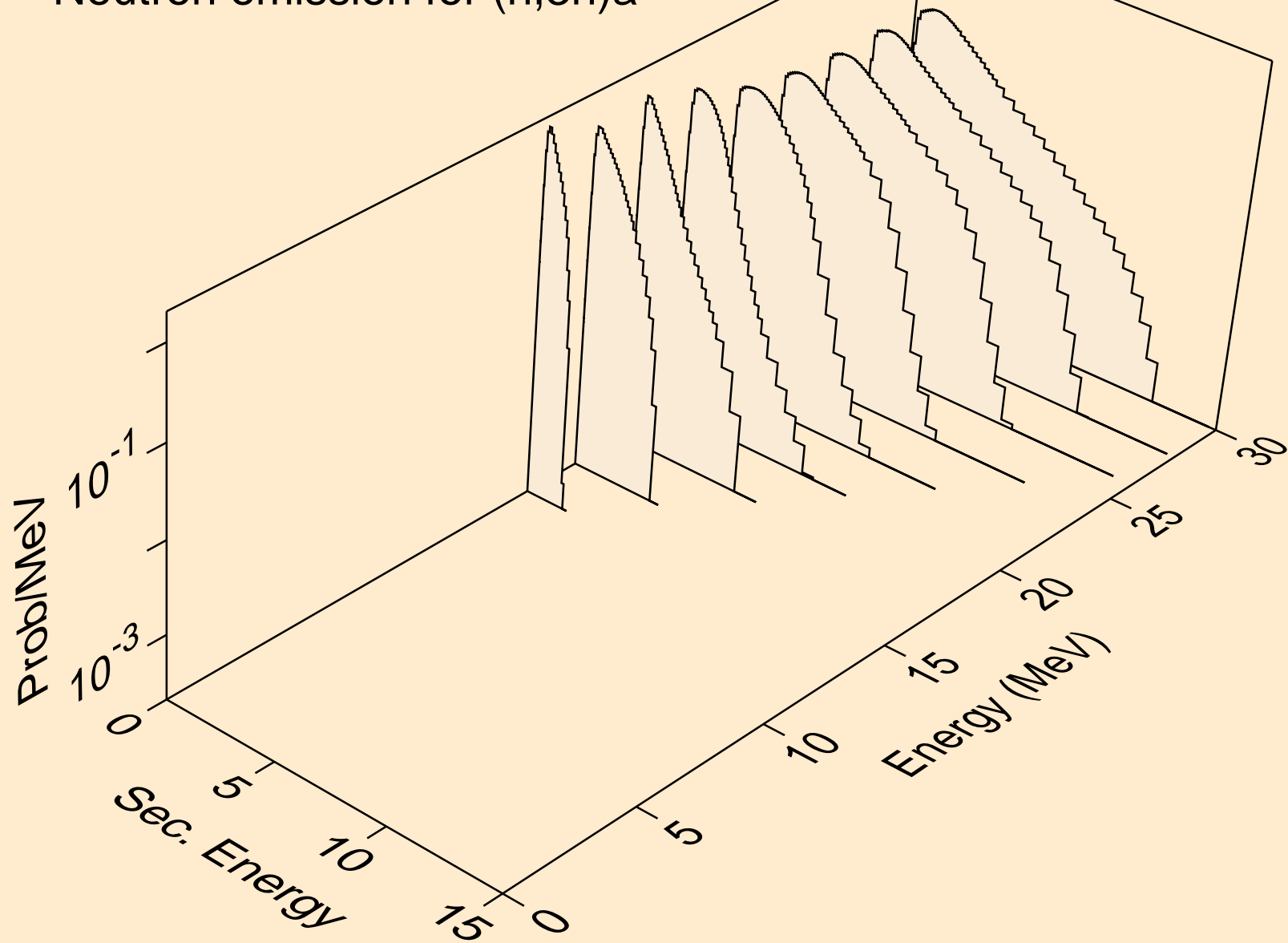
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



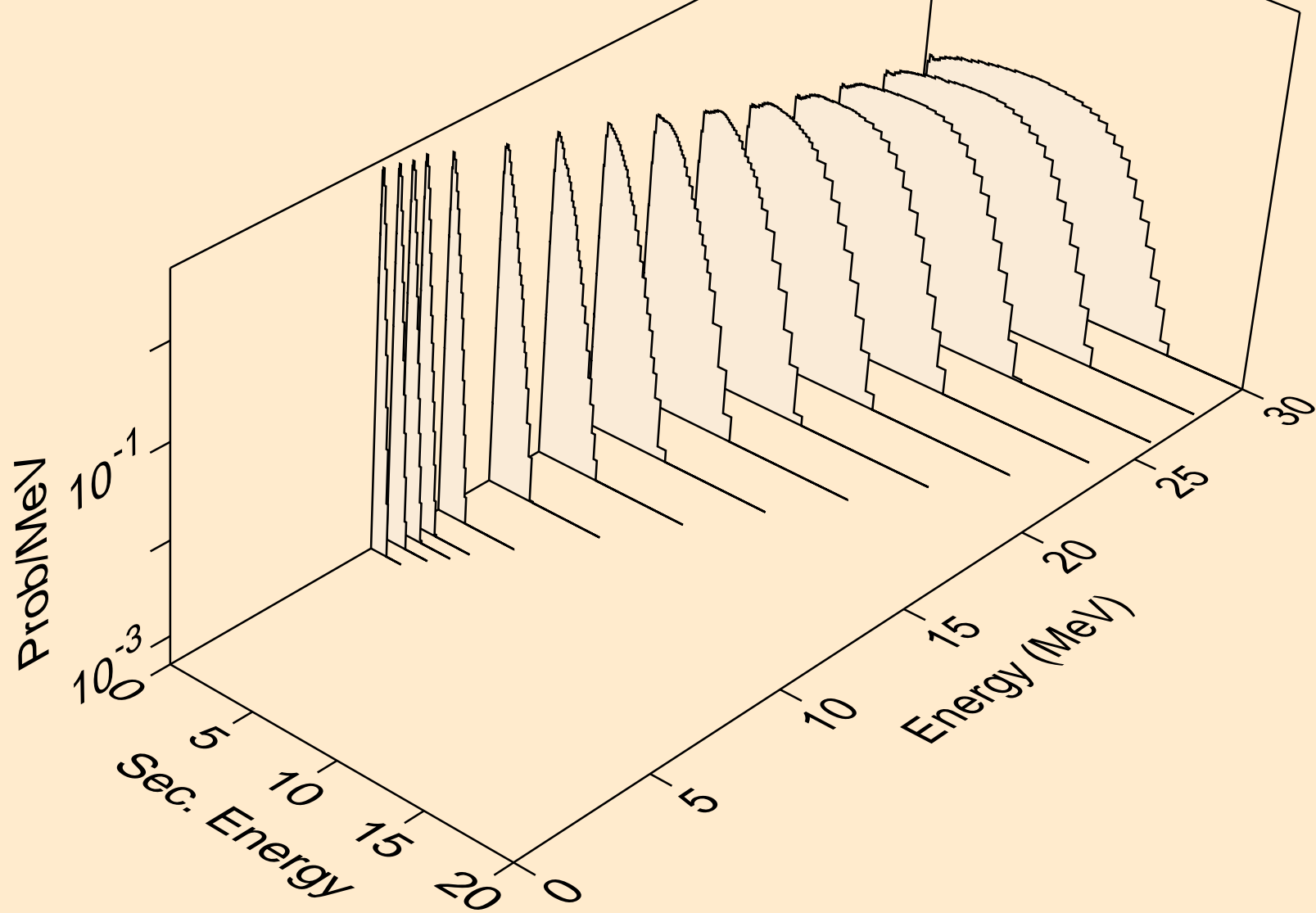
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Neutron emission for (n,2n)a



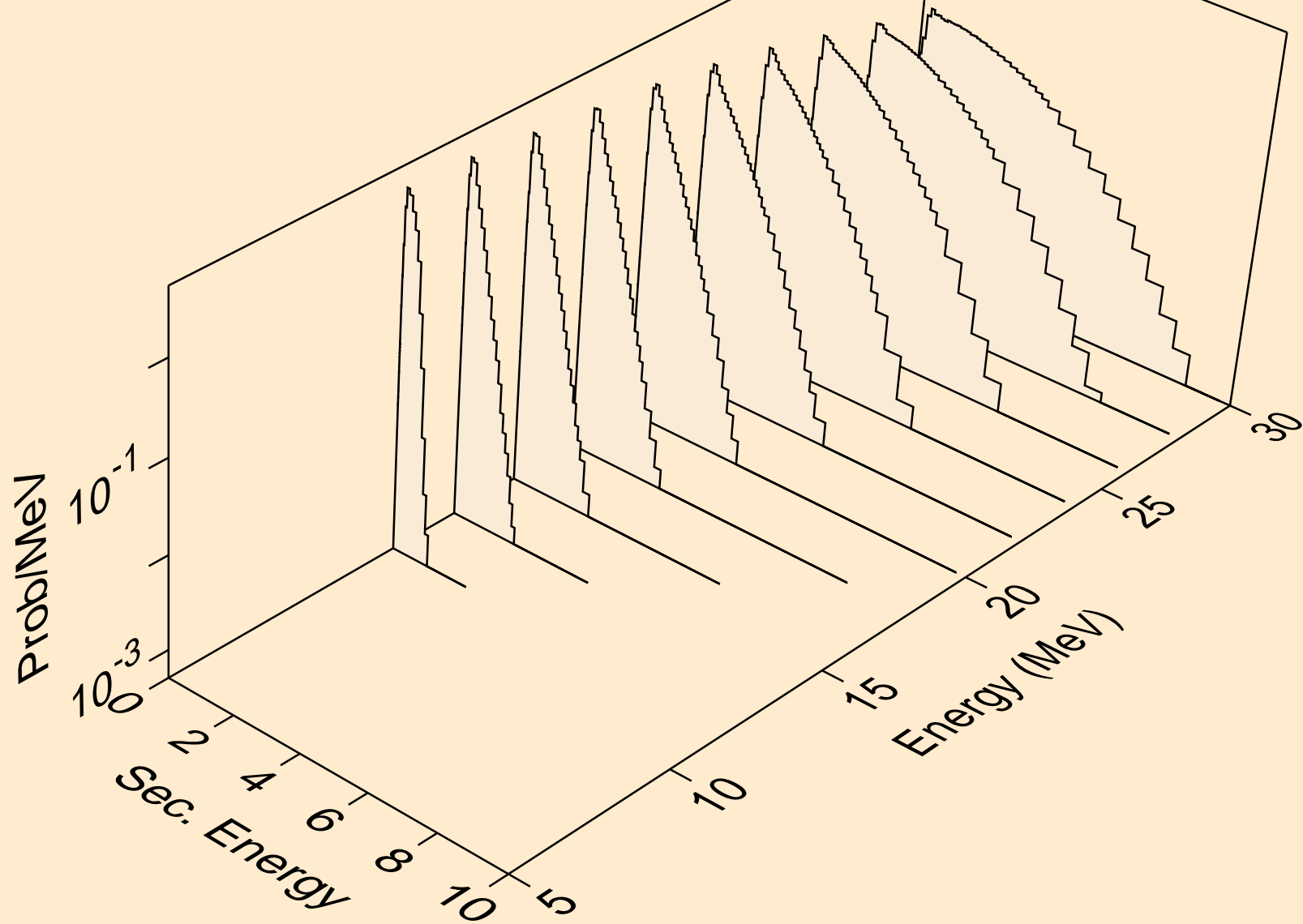
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



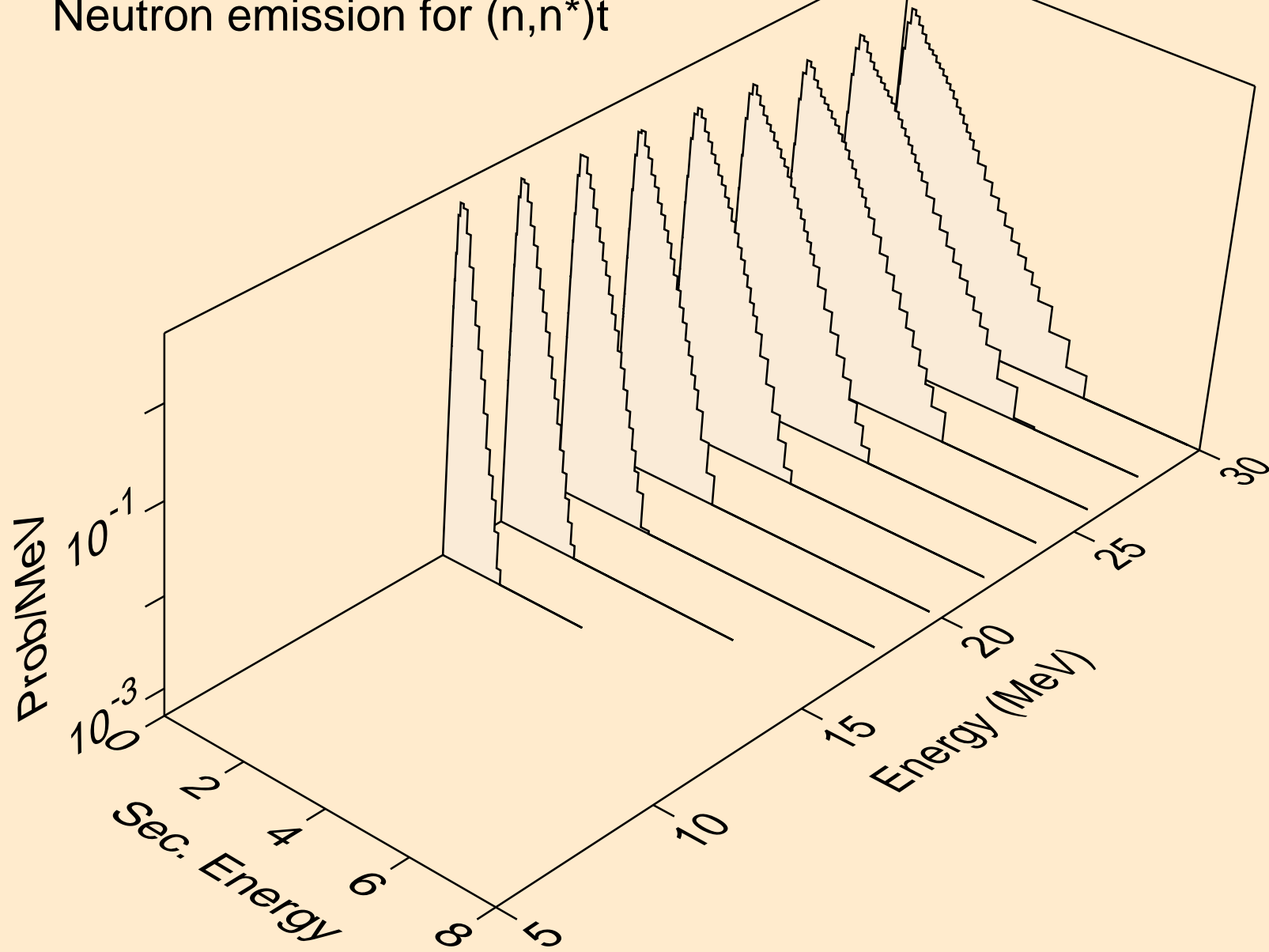
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



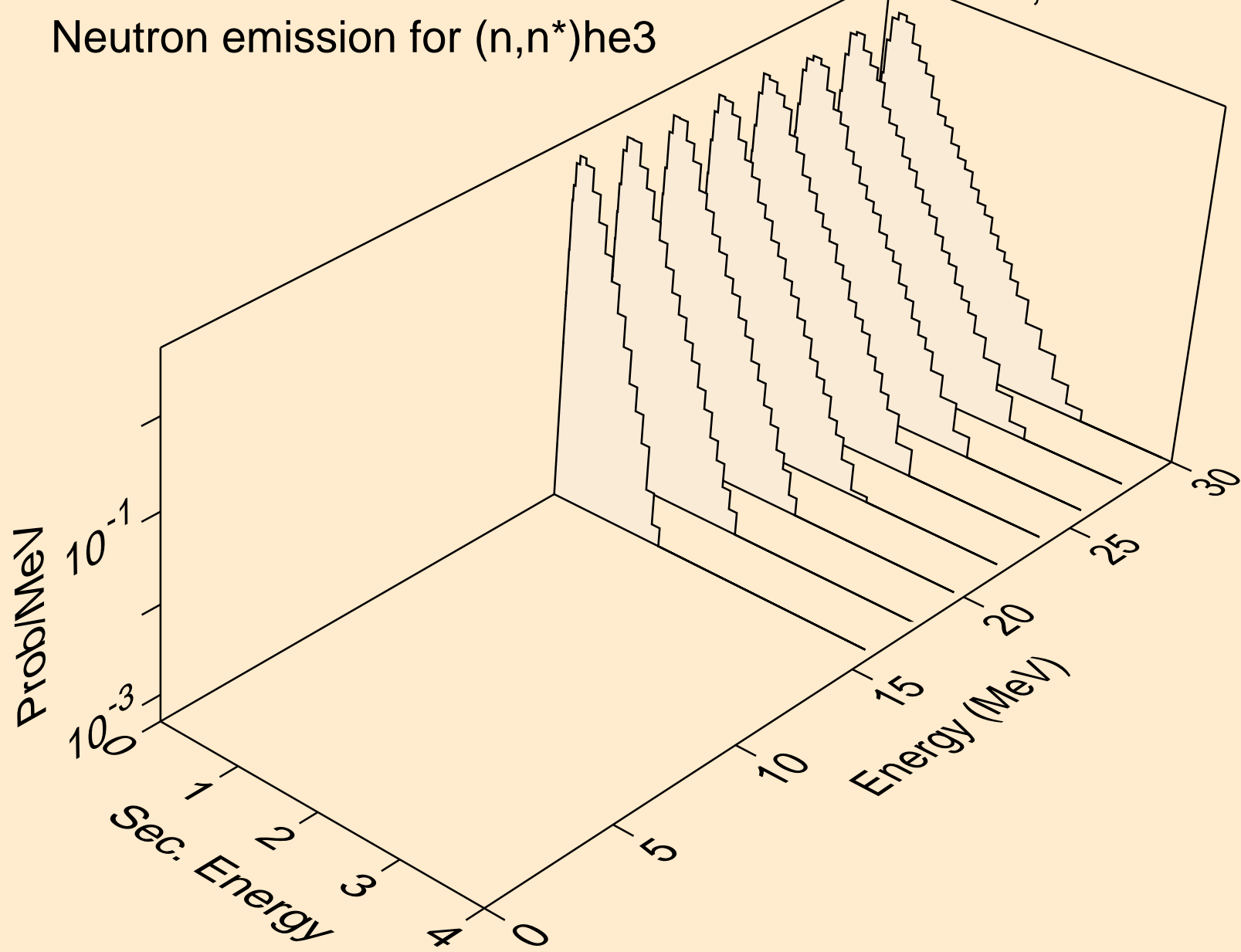
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



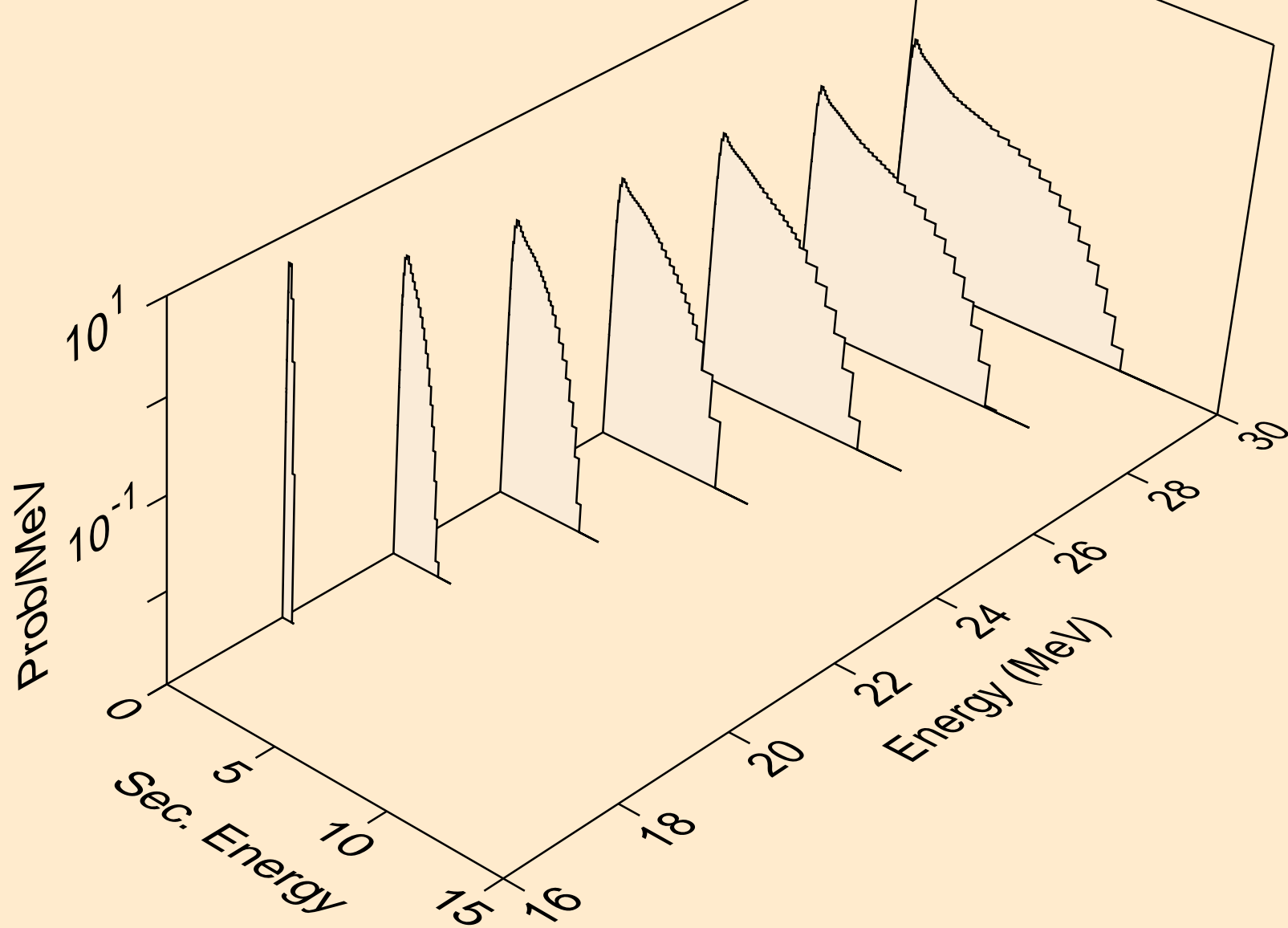
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Neutron emission for (n,n\*)t



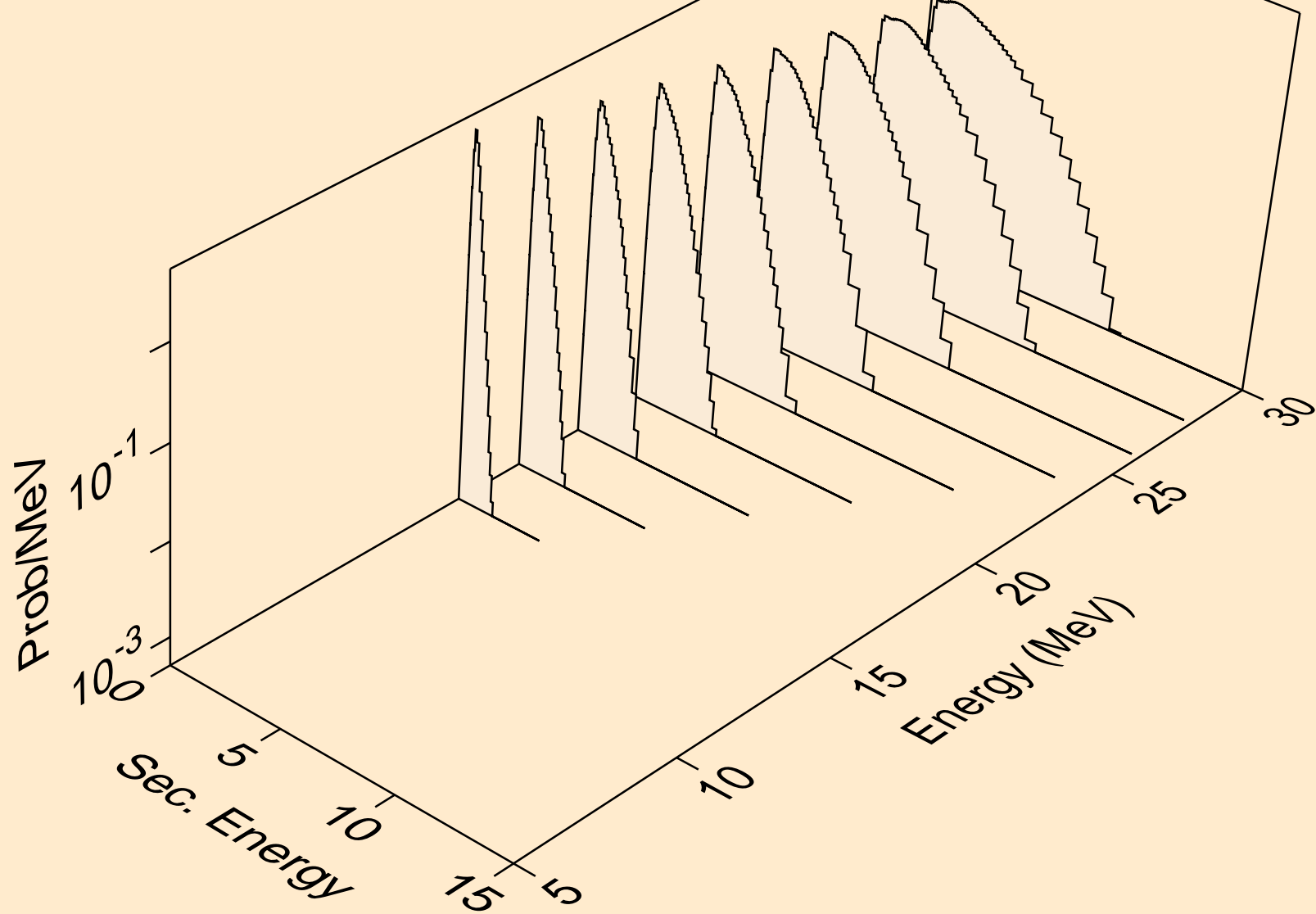
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



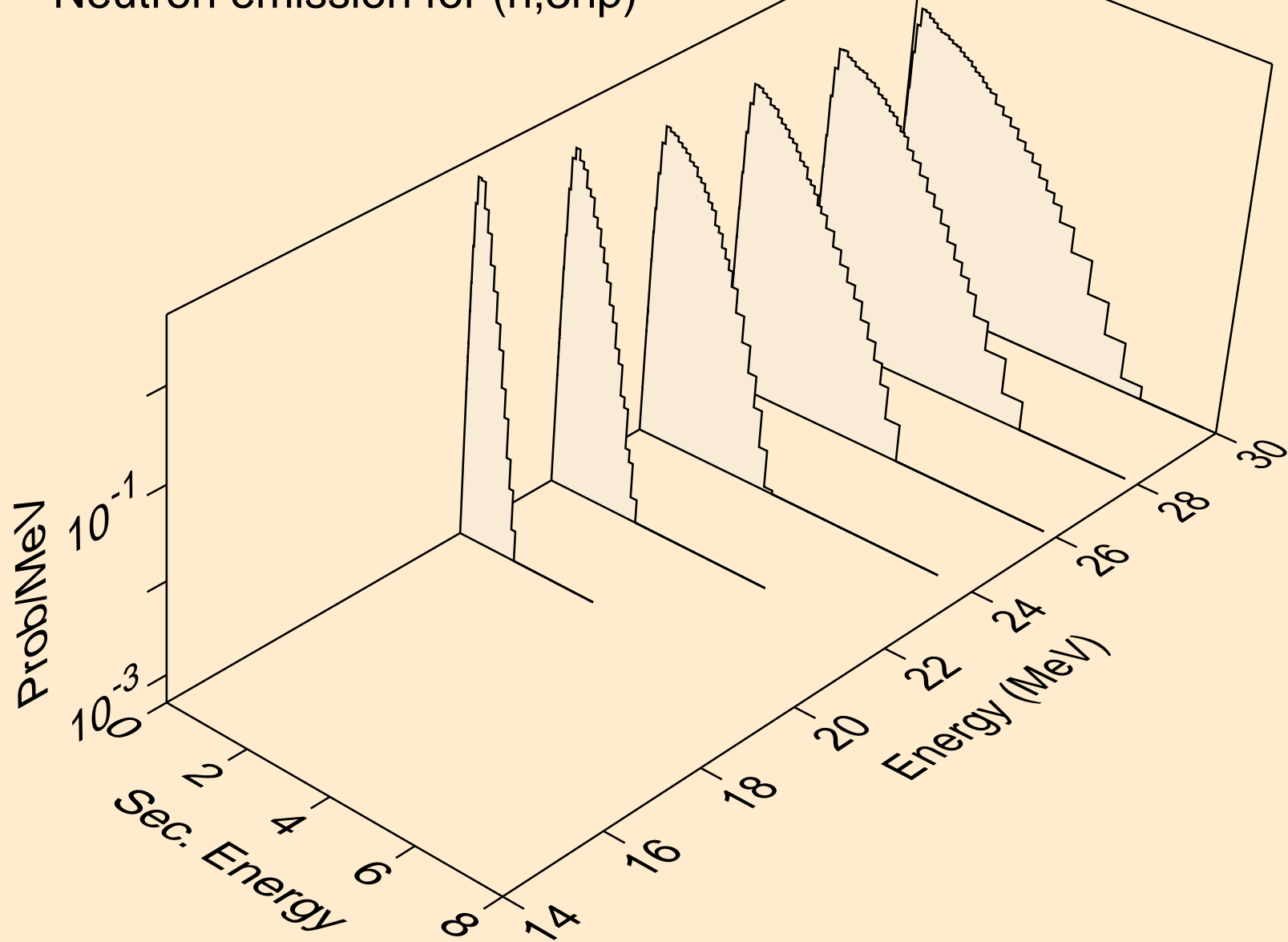
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Neutron emission for (n,4n)



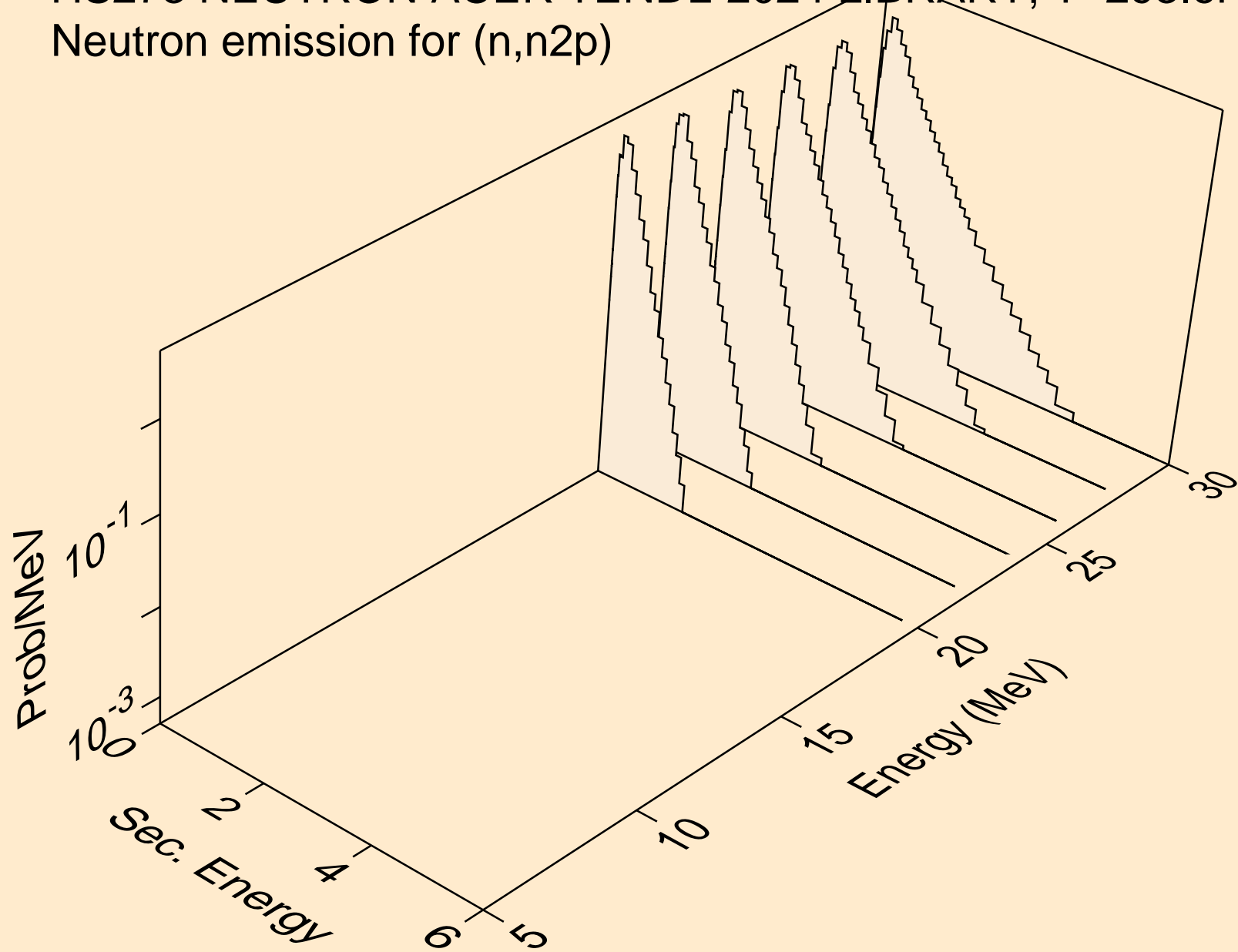
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Neutron emission for (n,2np)



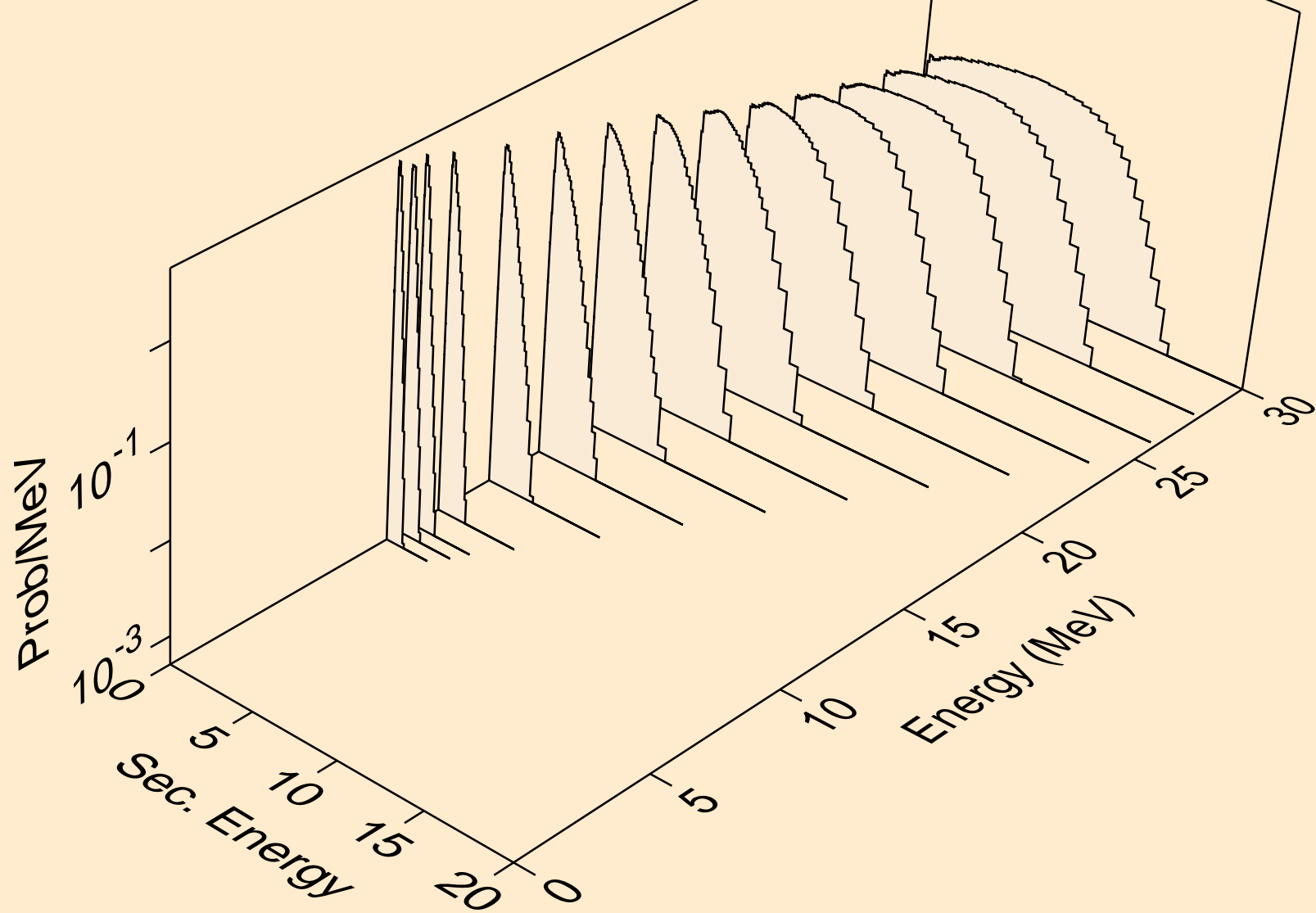
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Neutron emission for (n,3np)



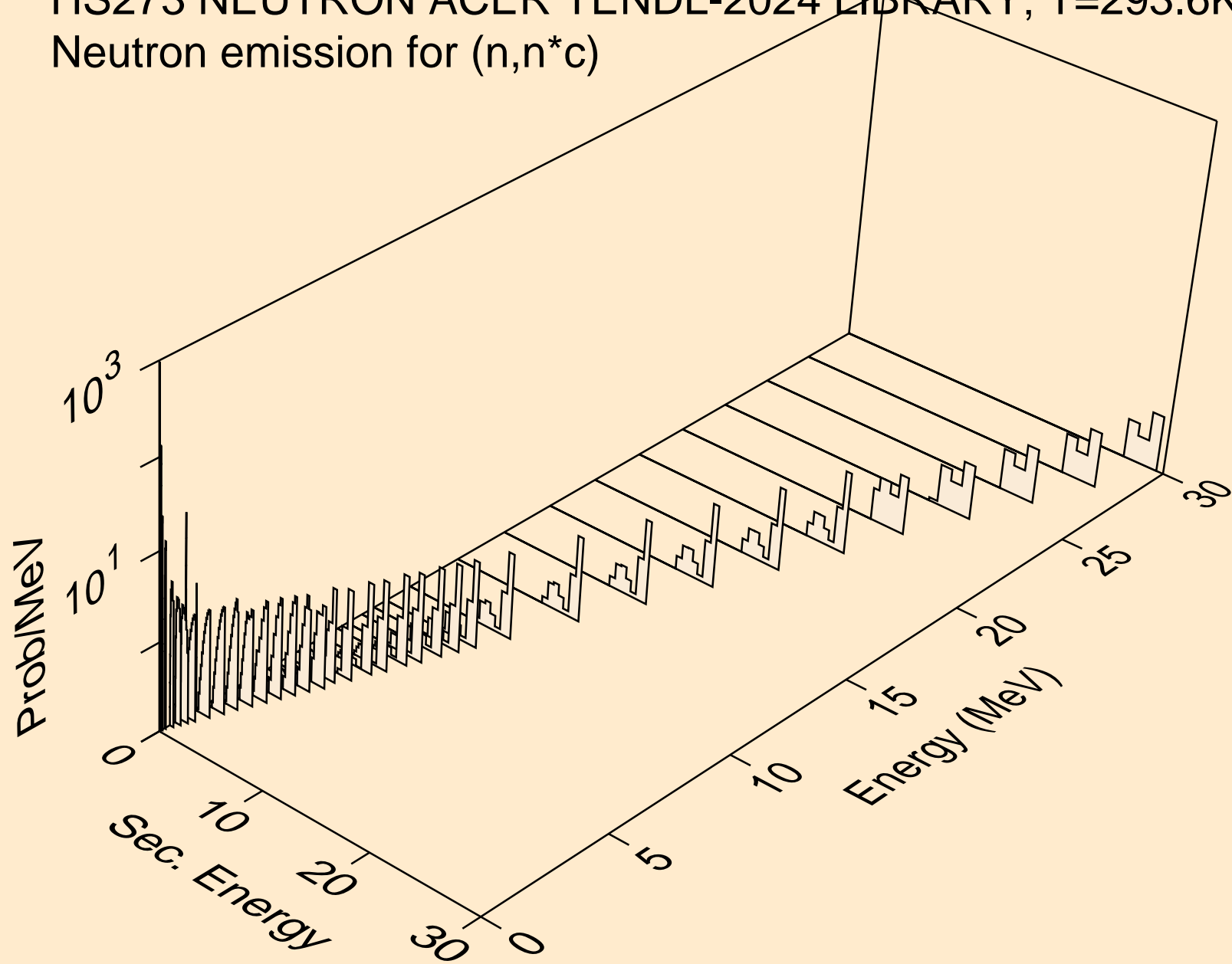
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

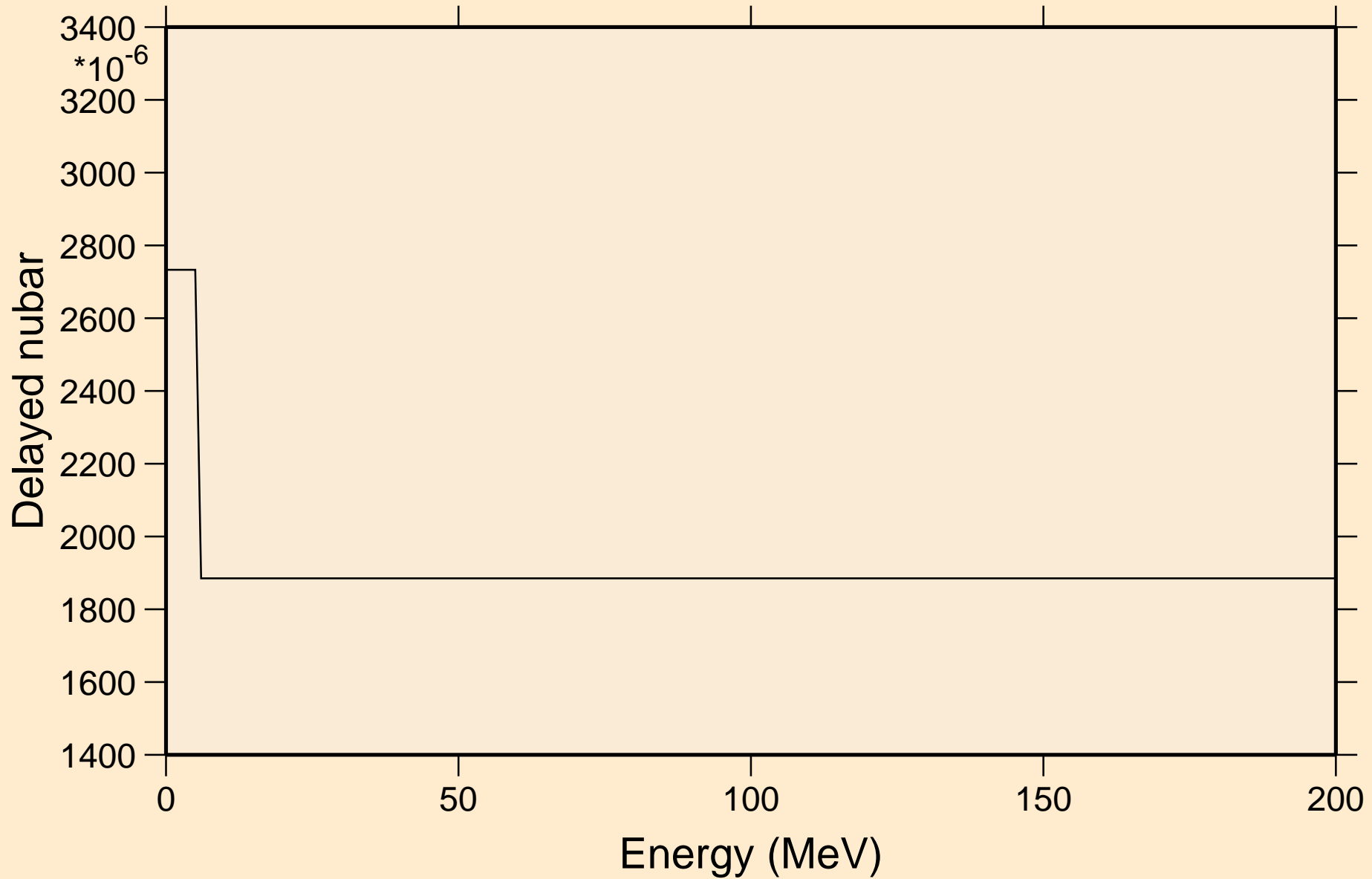


HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



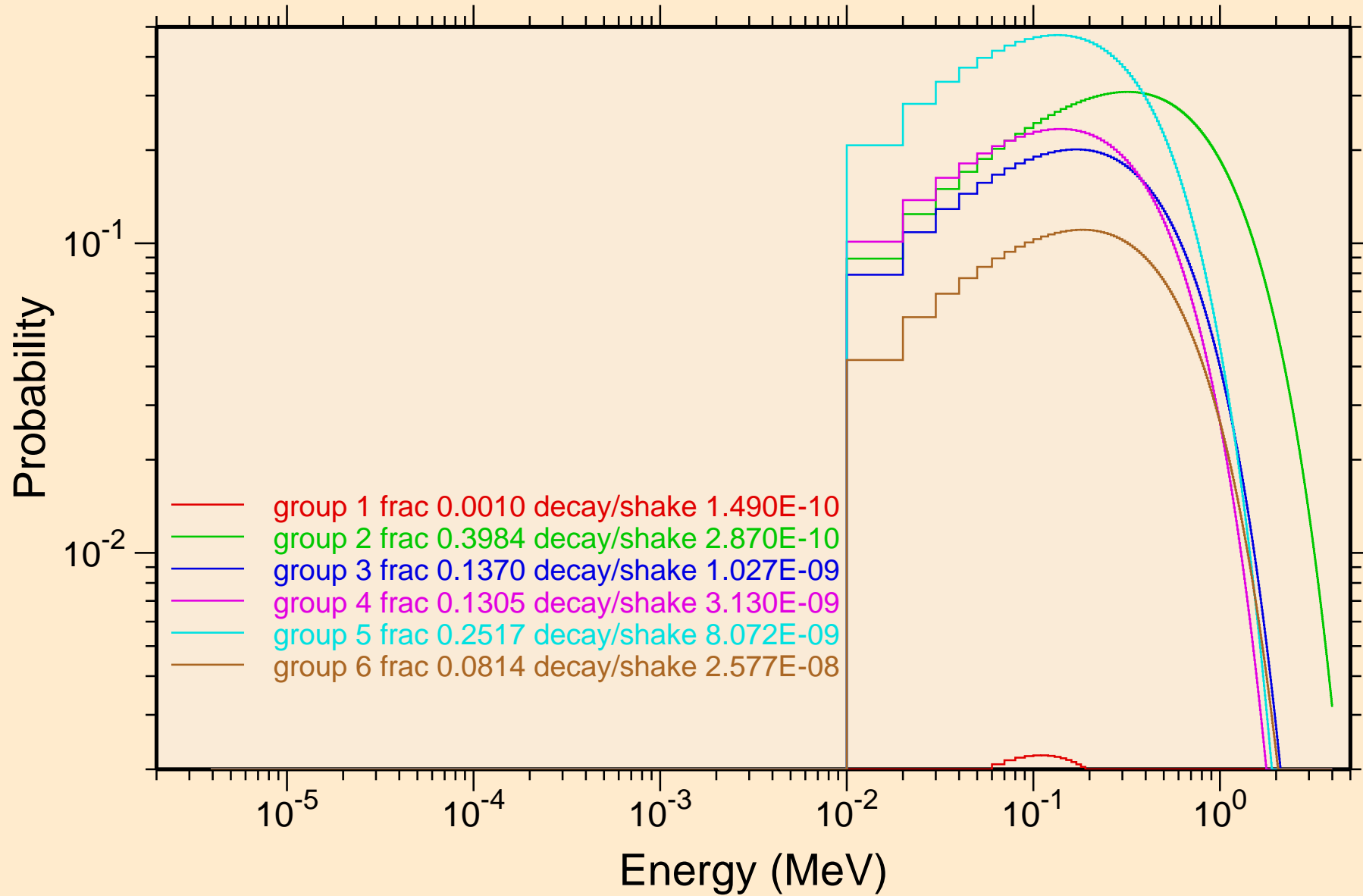
# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Delayed nubar

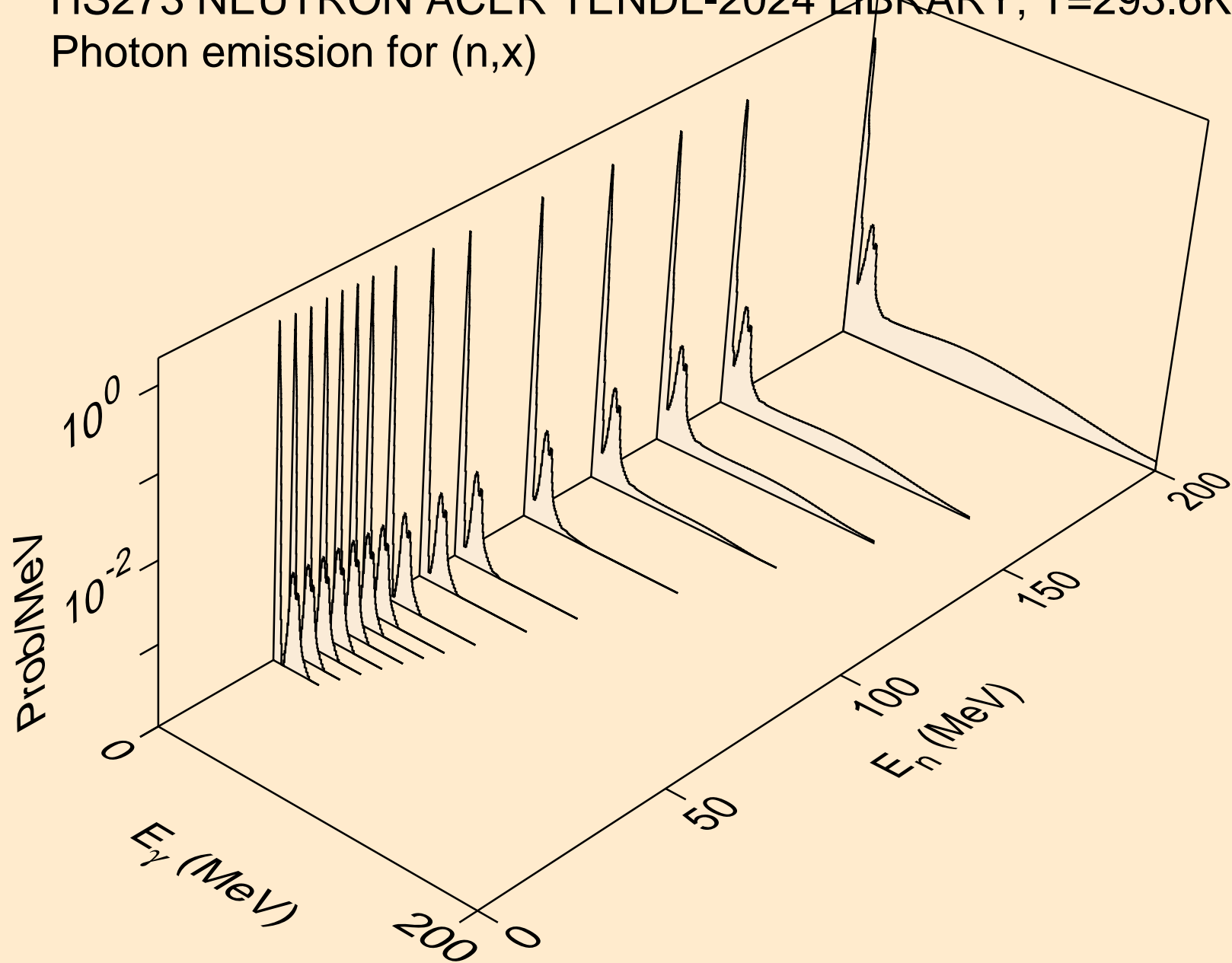


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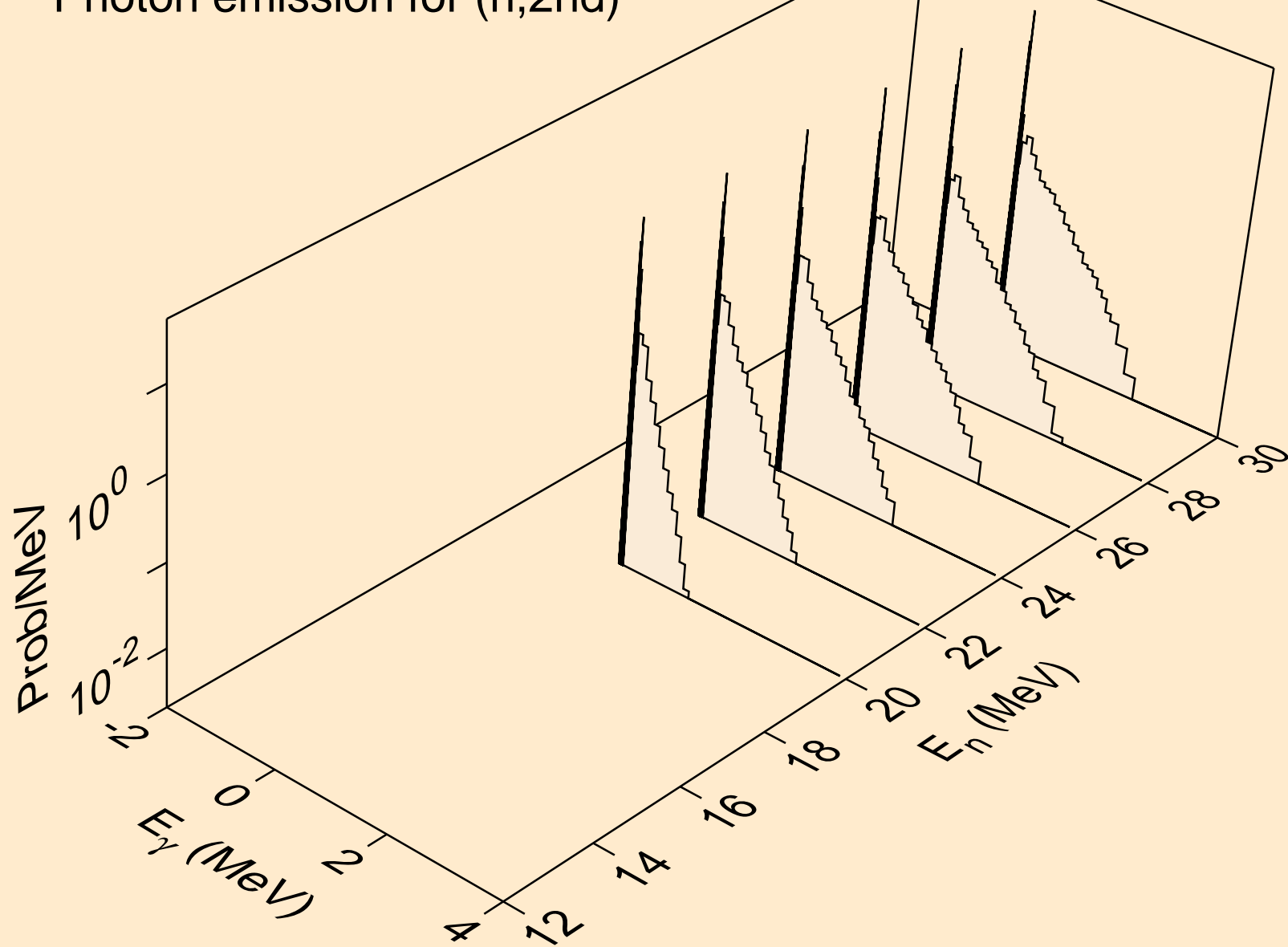
## Delayed neutron spectra



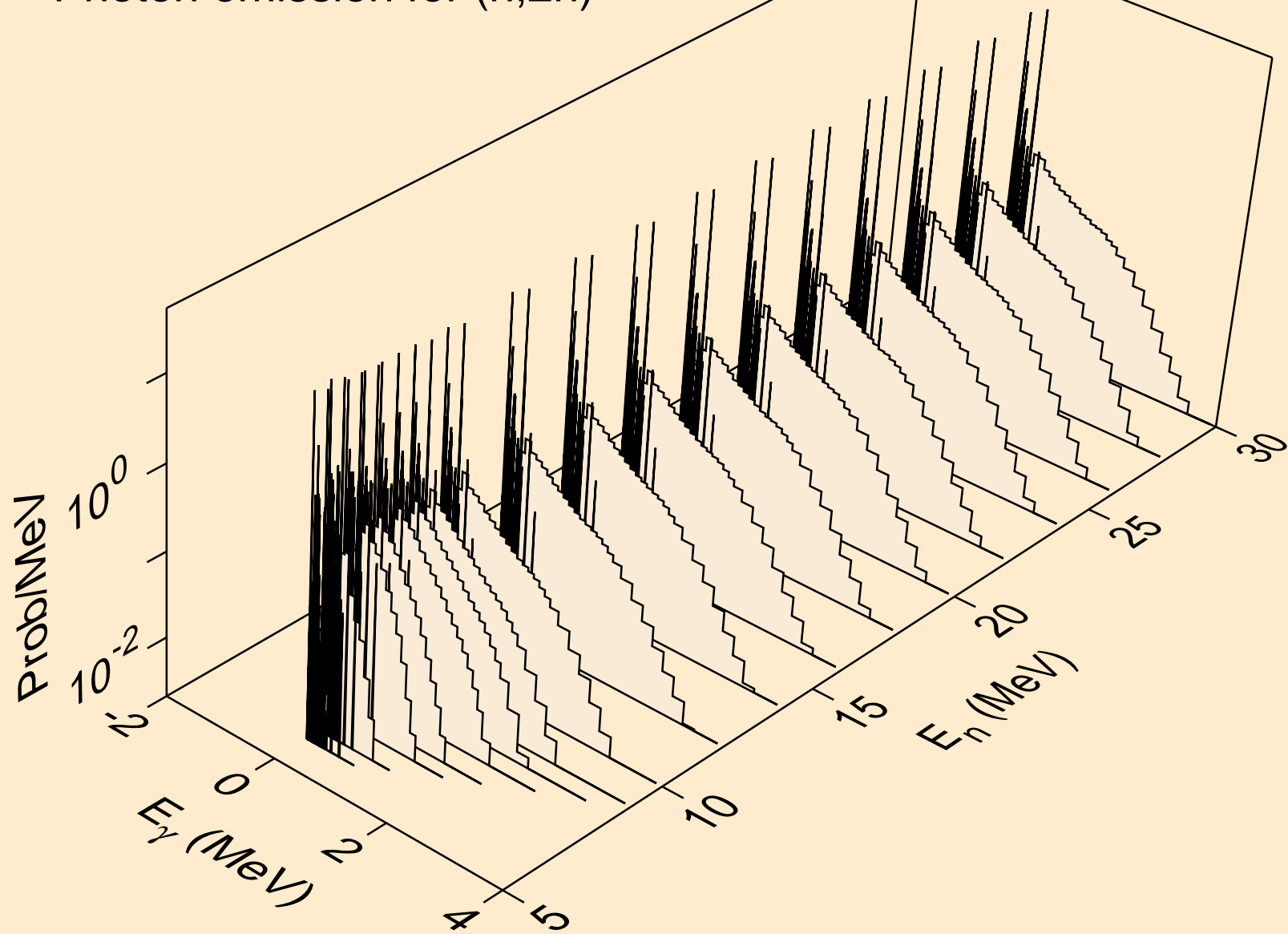
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



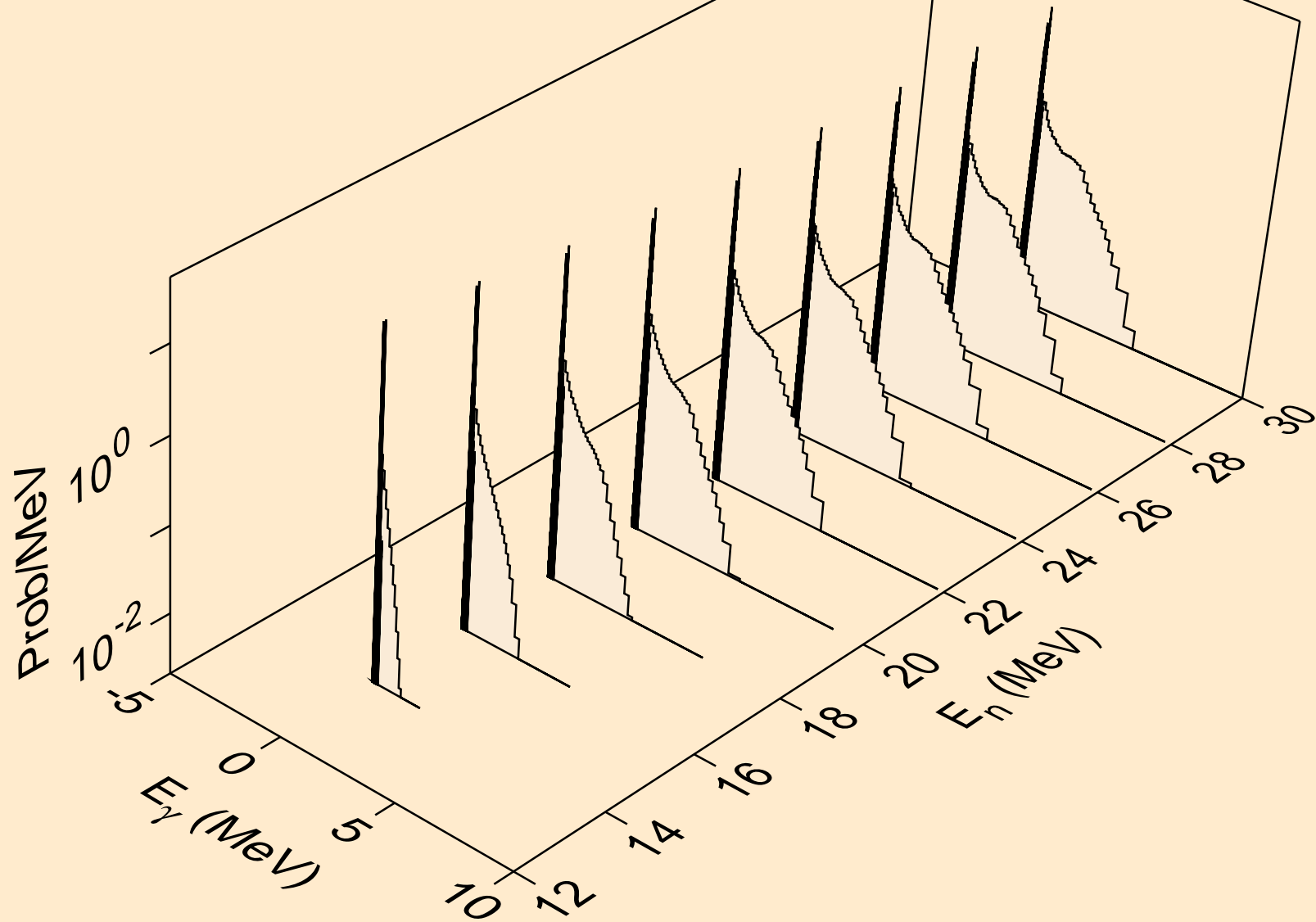
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



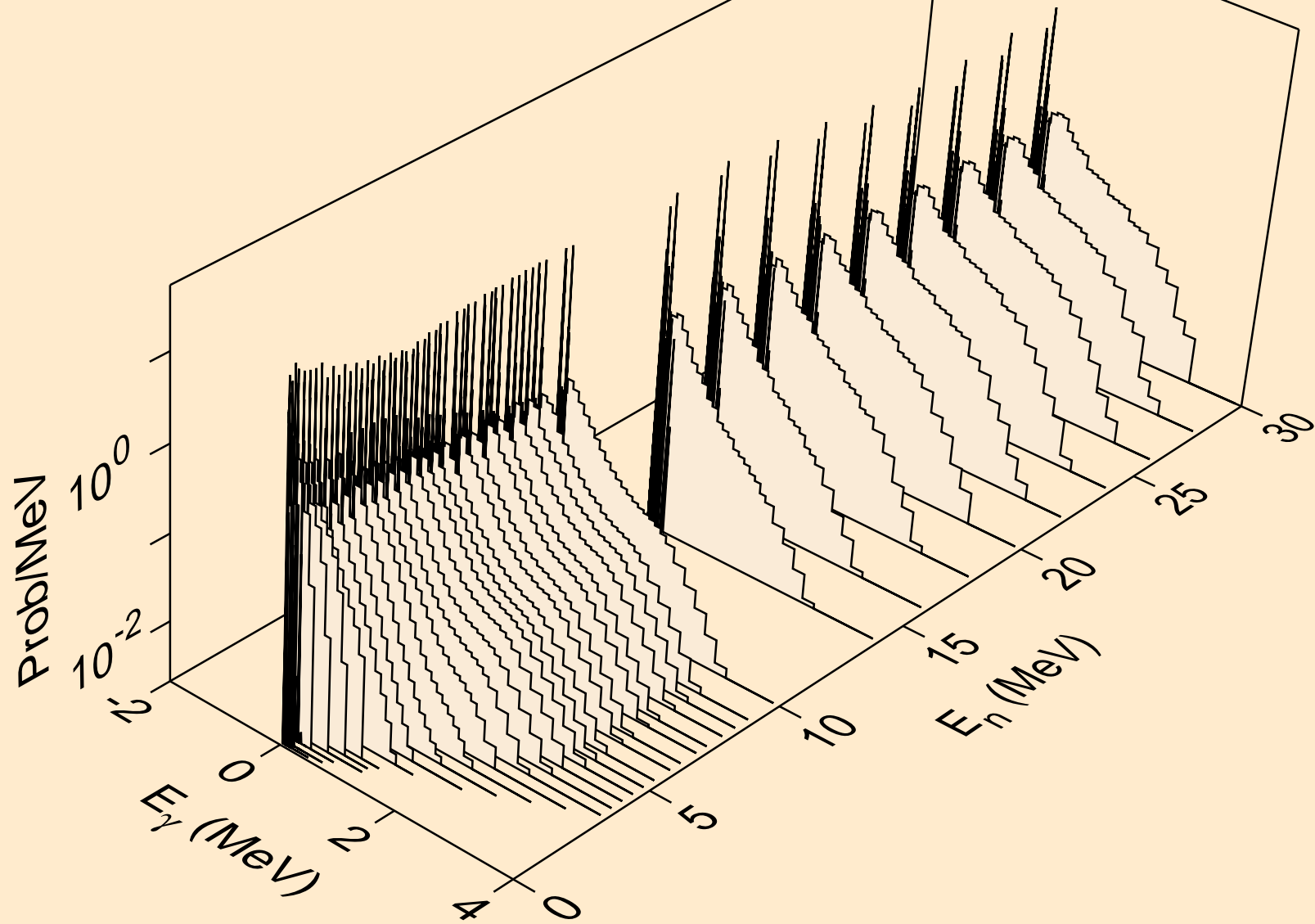
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



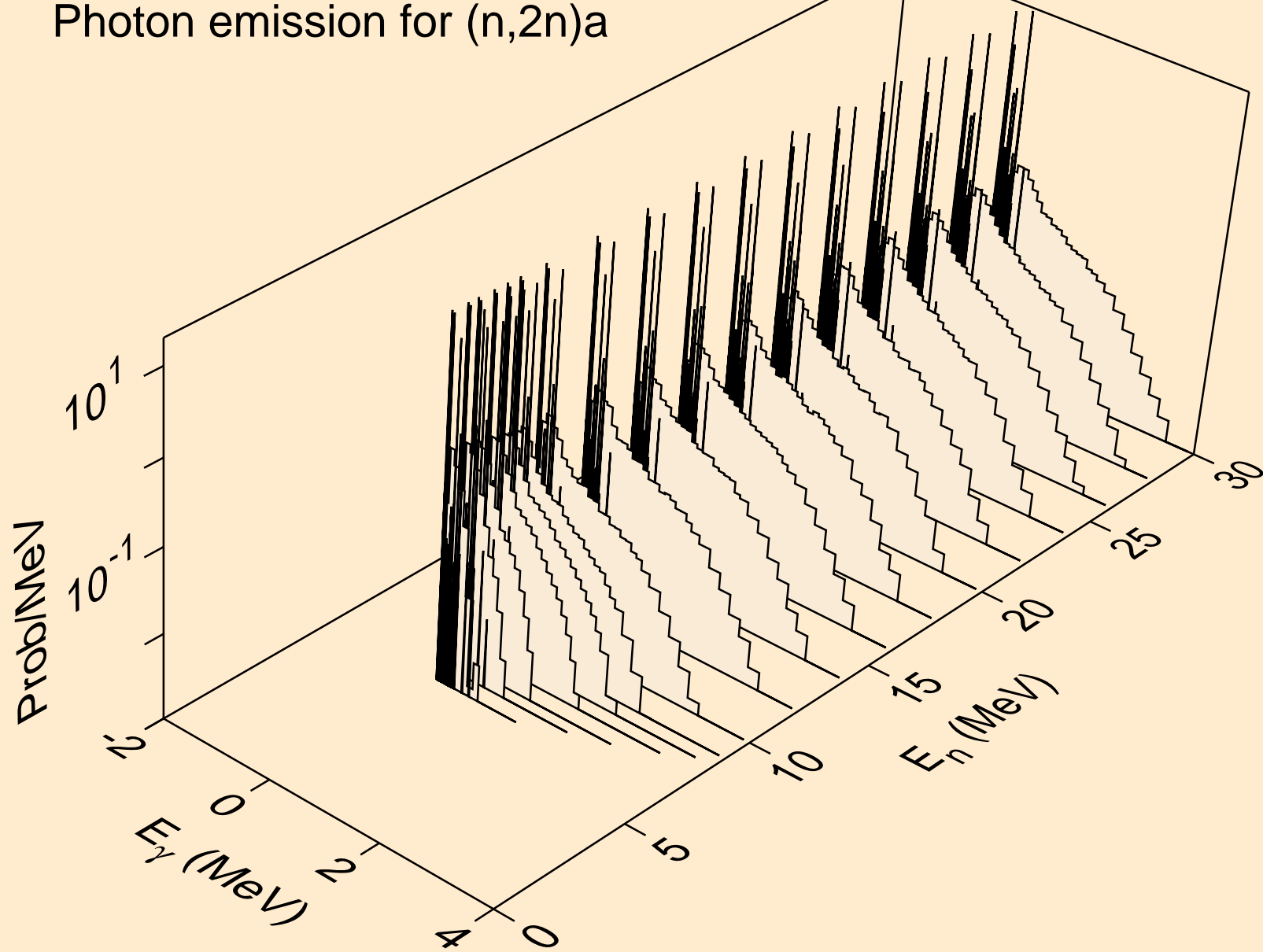
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Photon emission for (n,3n)



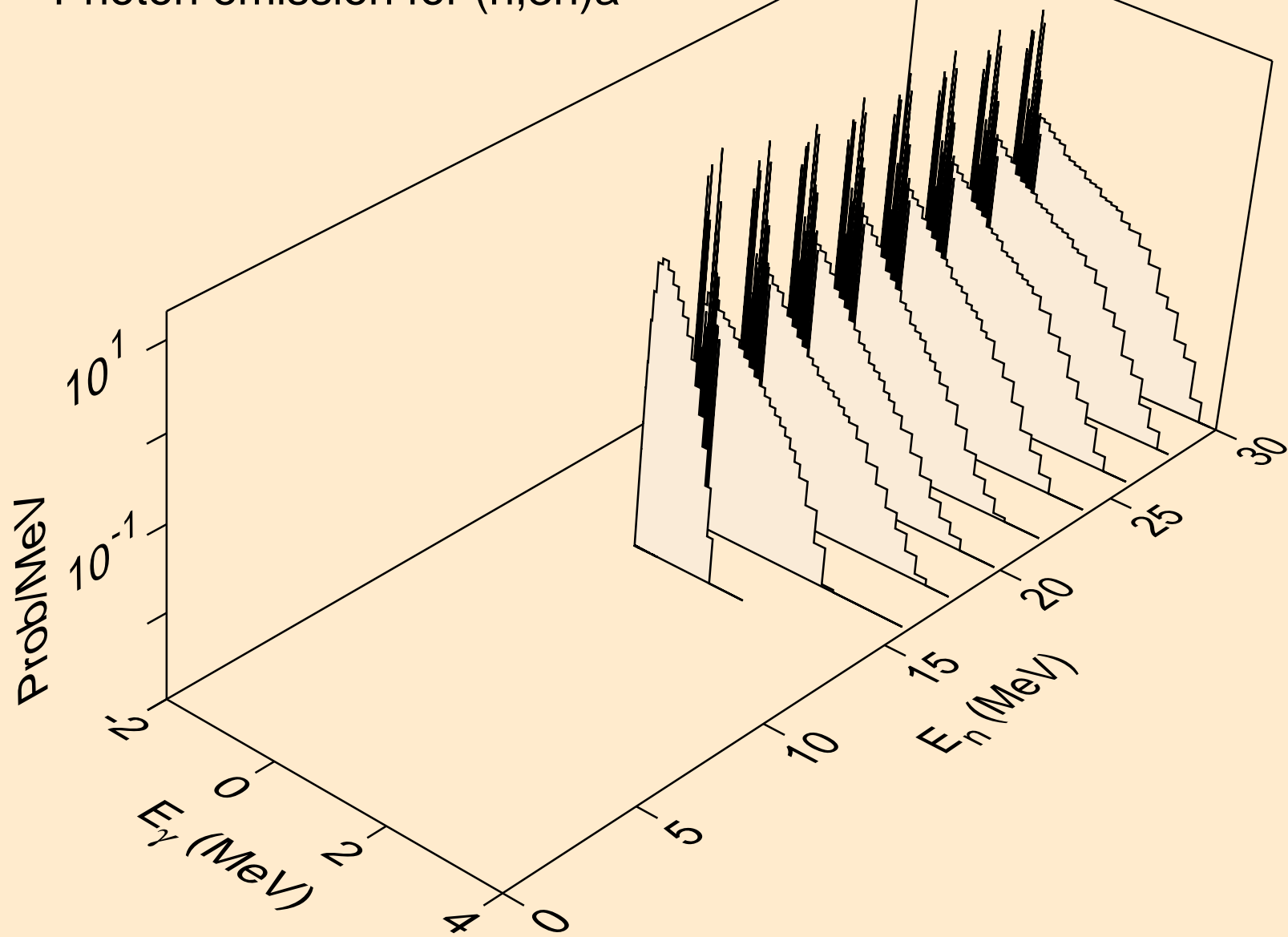
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



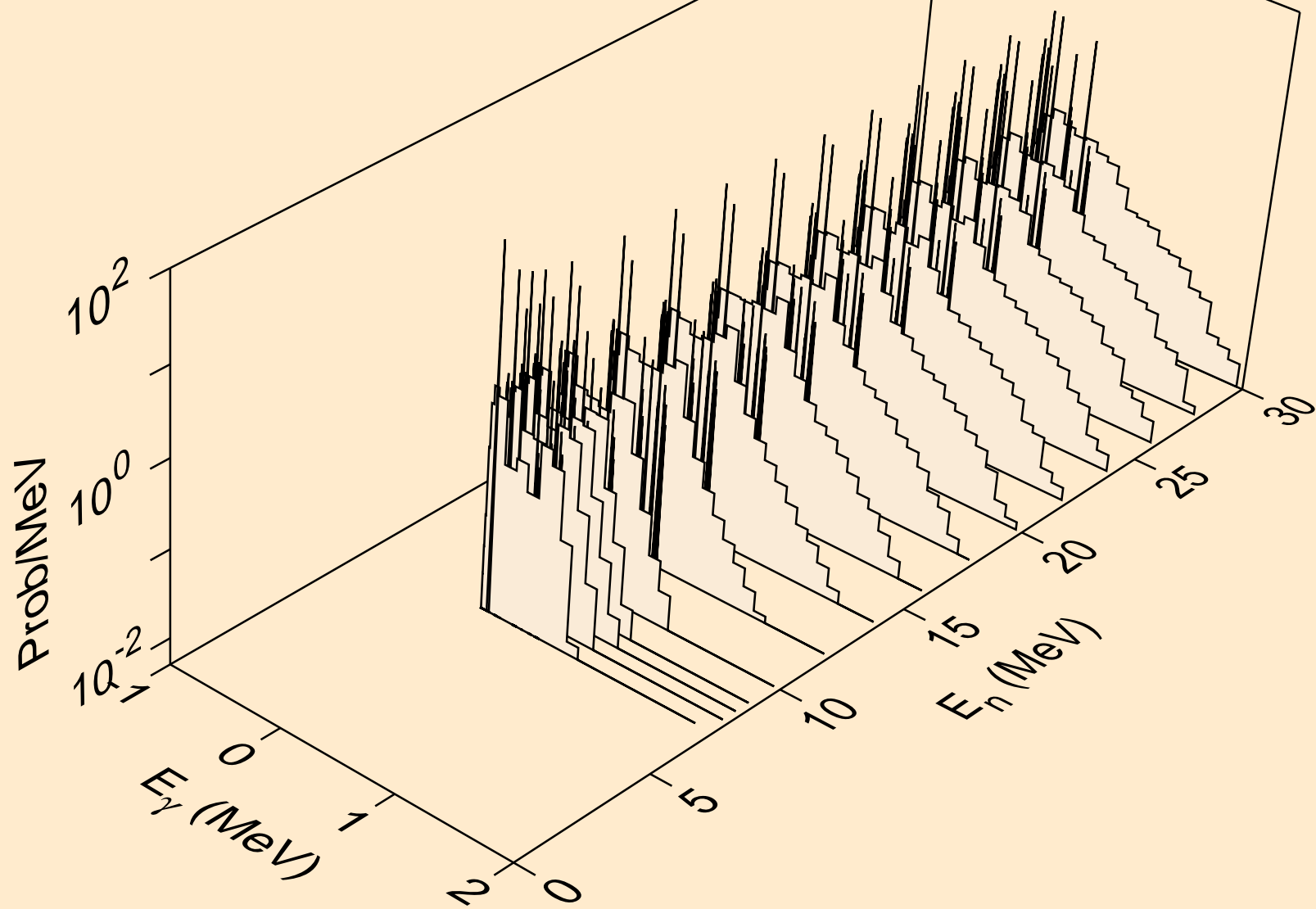
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Photon emission for (n,2n)a



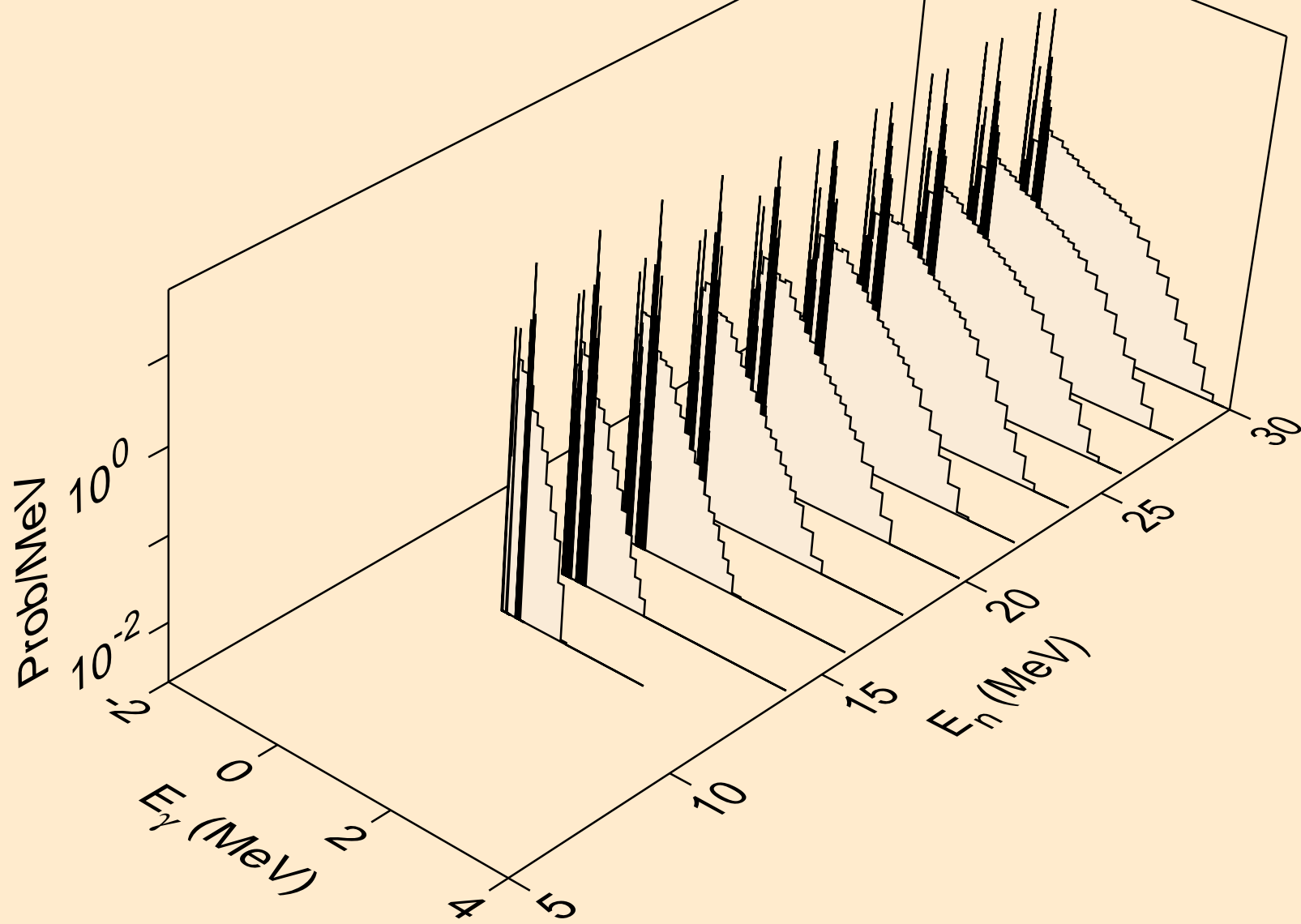
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Photon emission for (n,3n)a



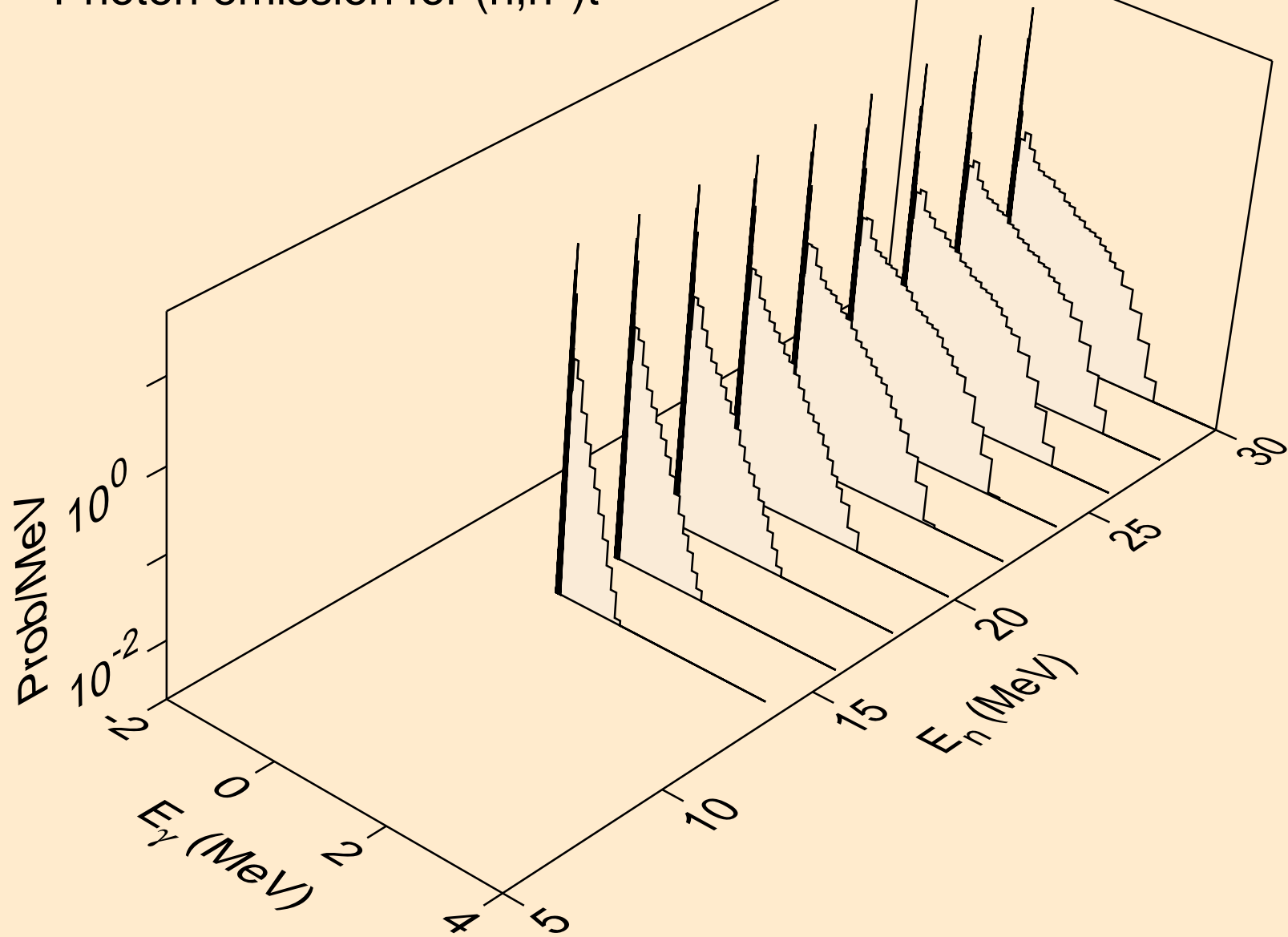
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



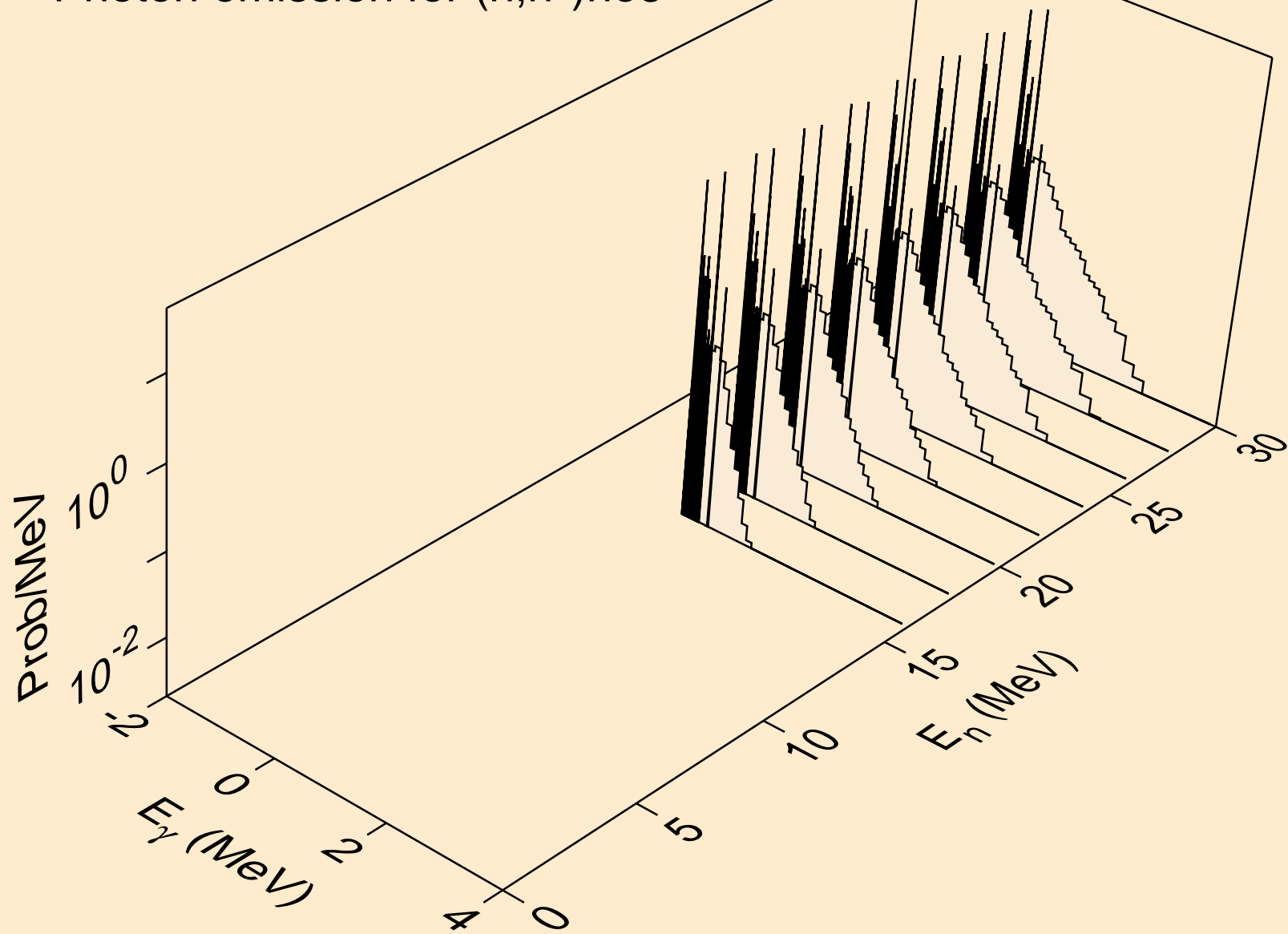
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



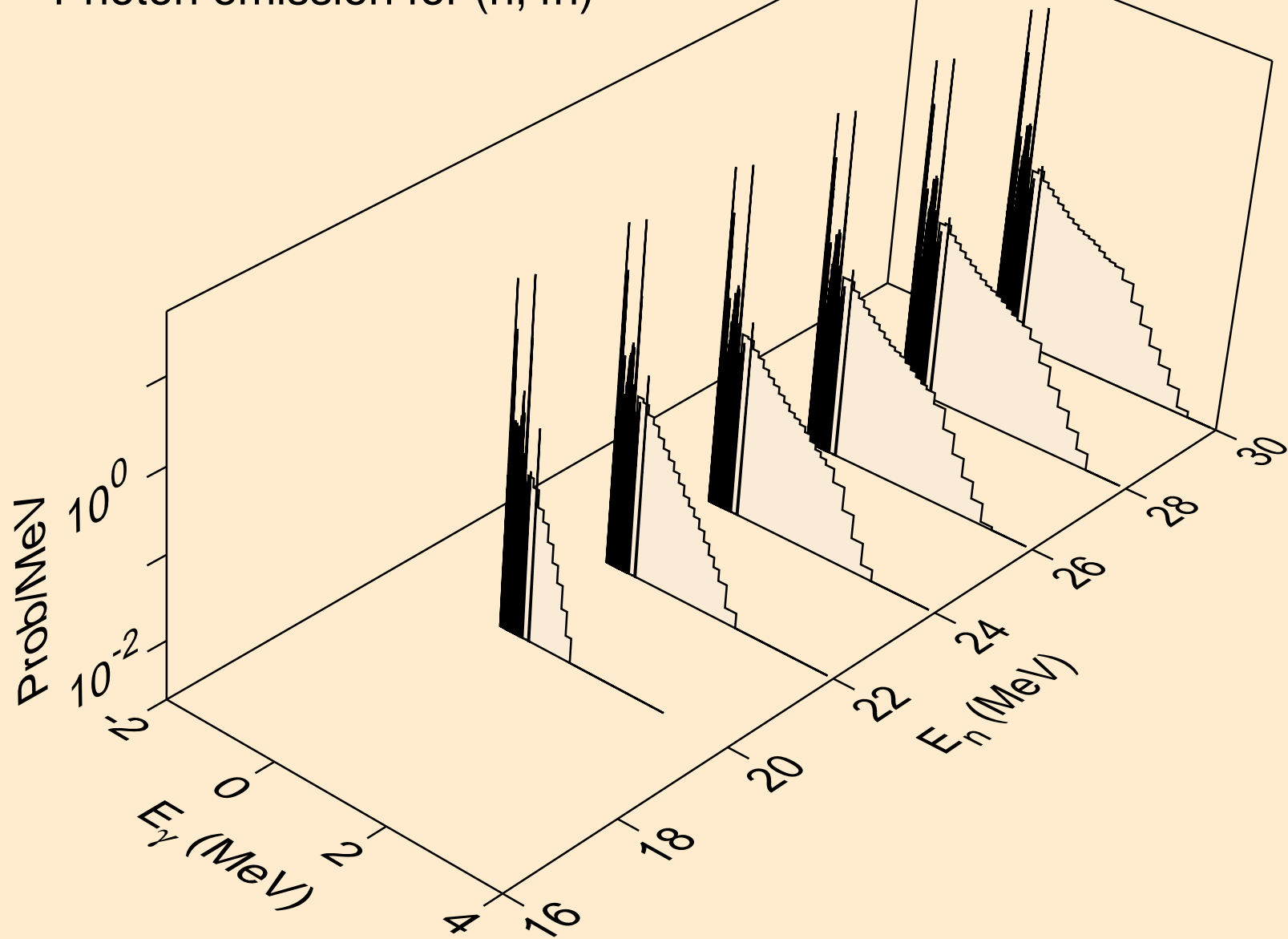
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



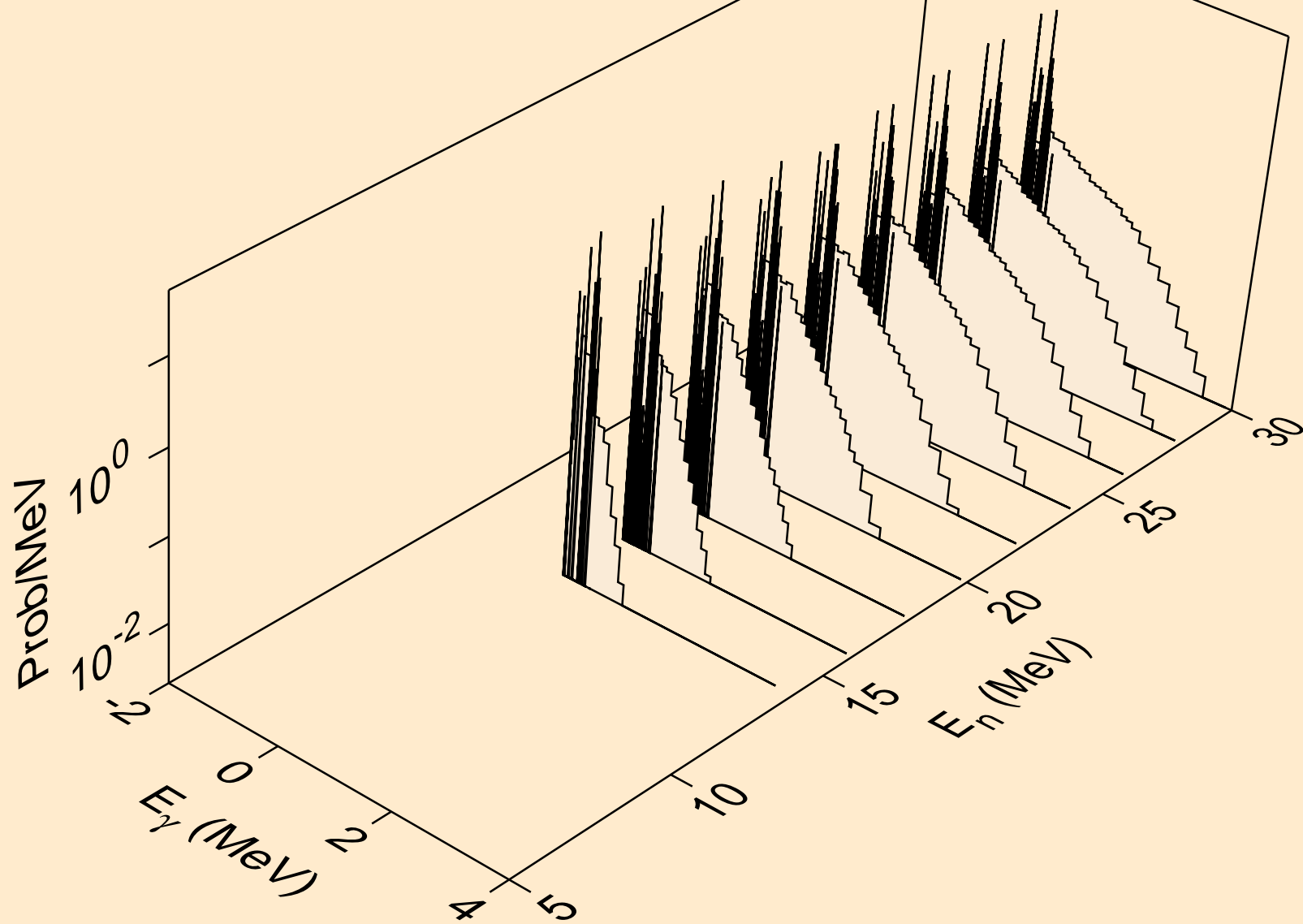
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Photon emission for (n,n\*)he3



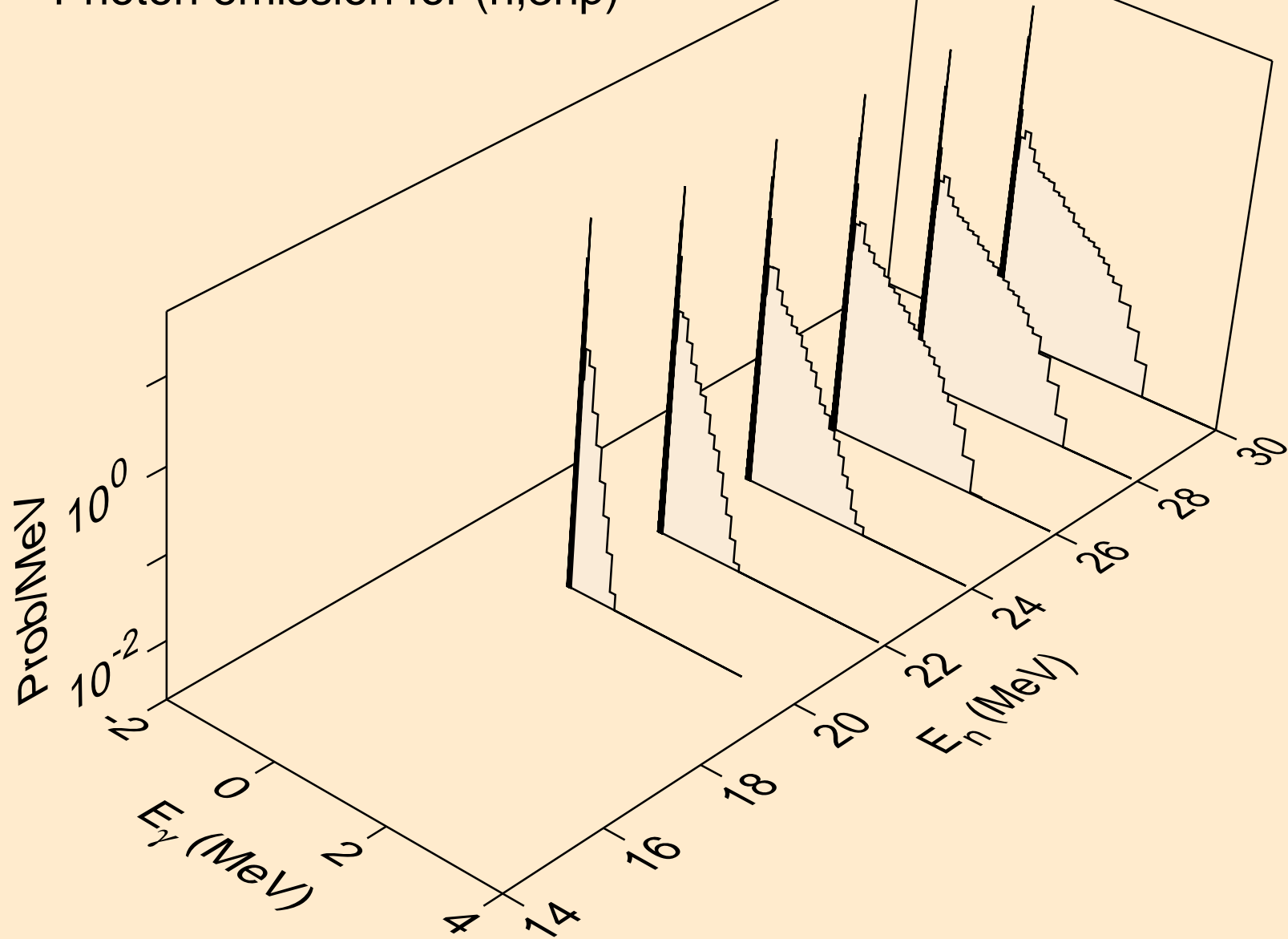
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



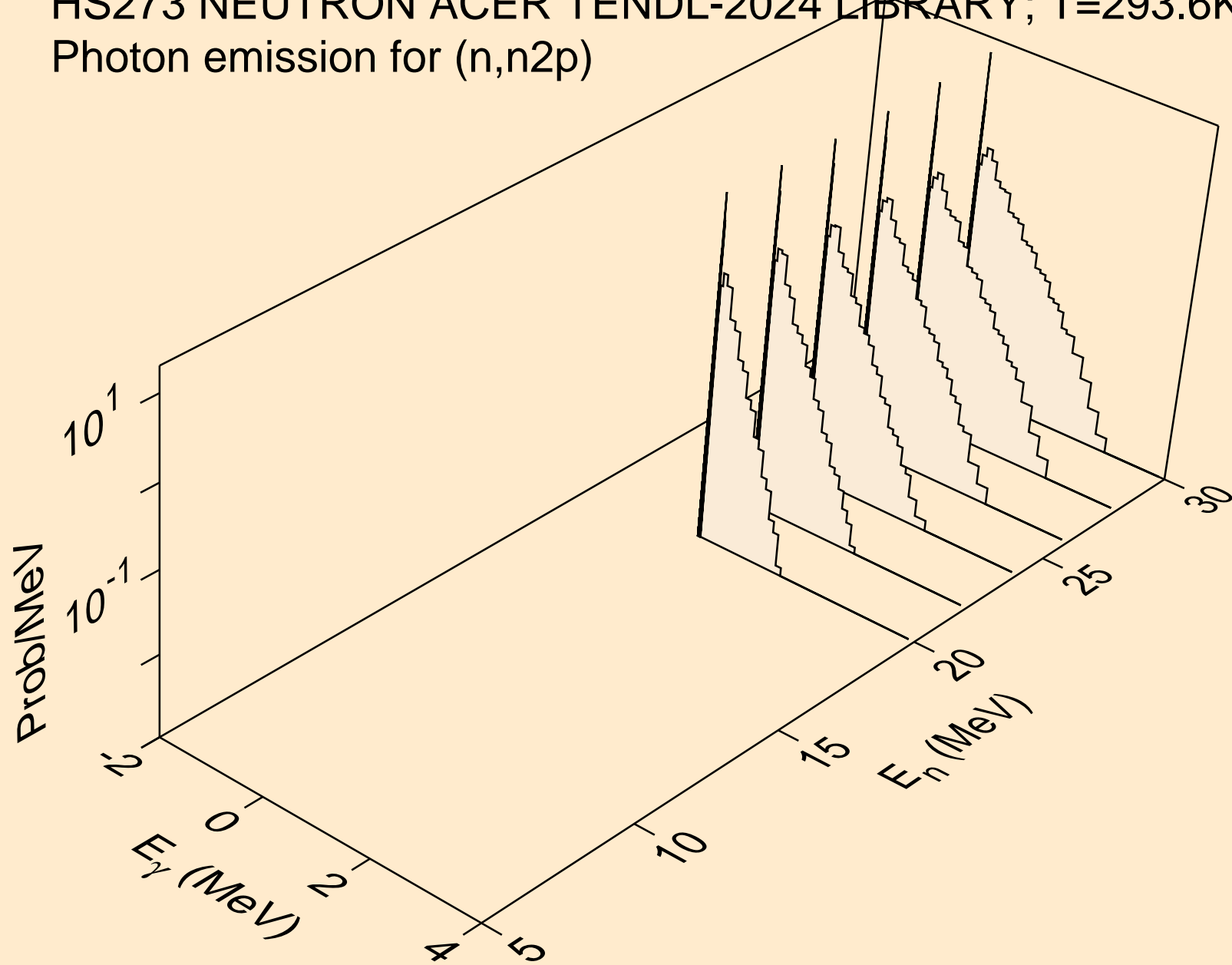
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Photon emission for (n,2np)



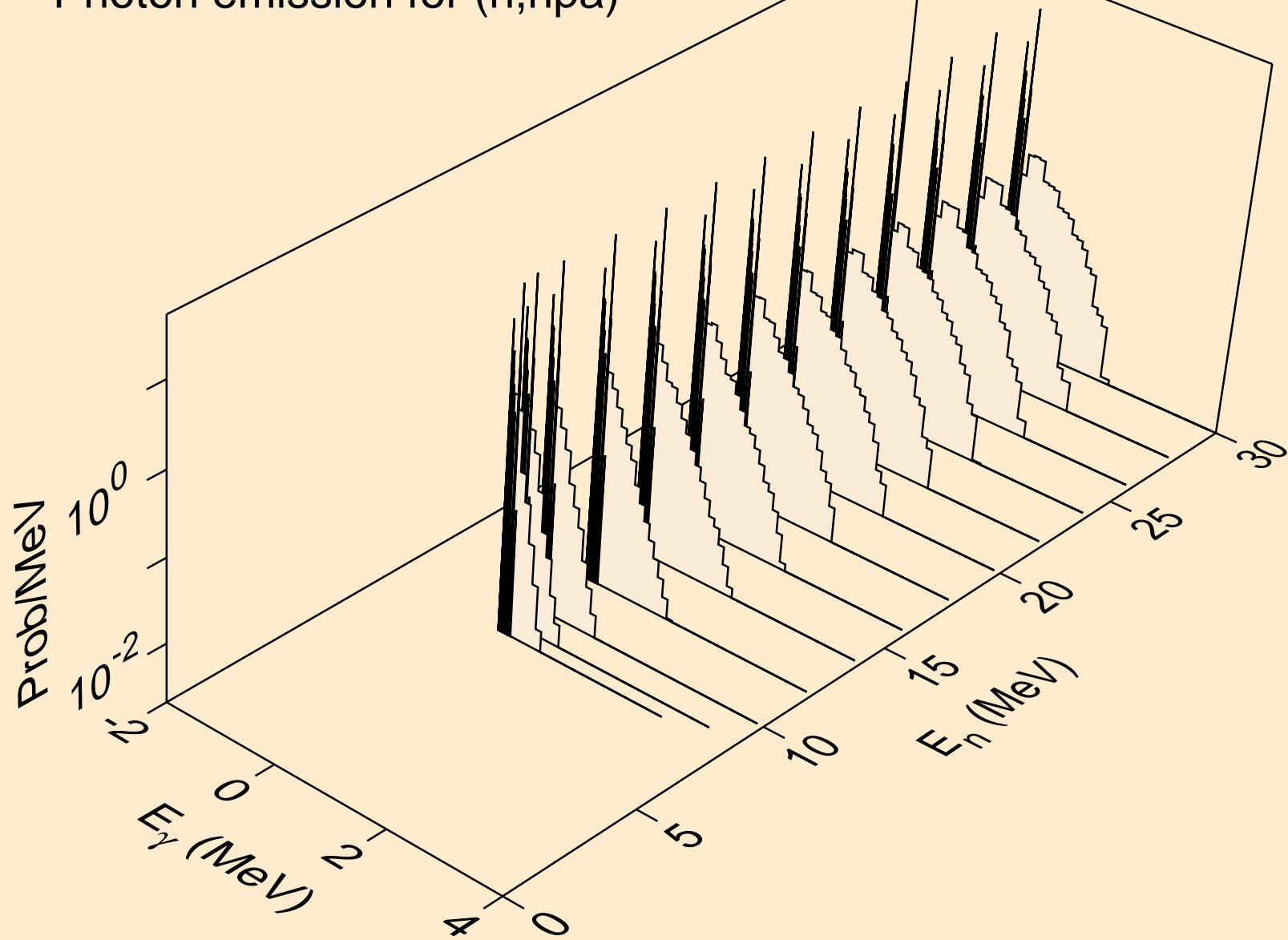
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Photon emission for (n,3np)



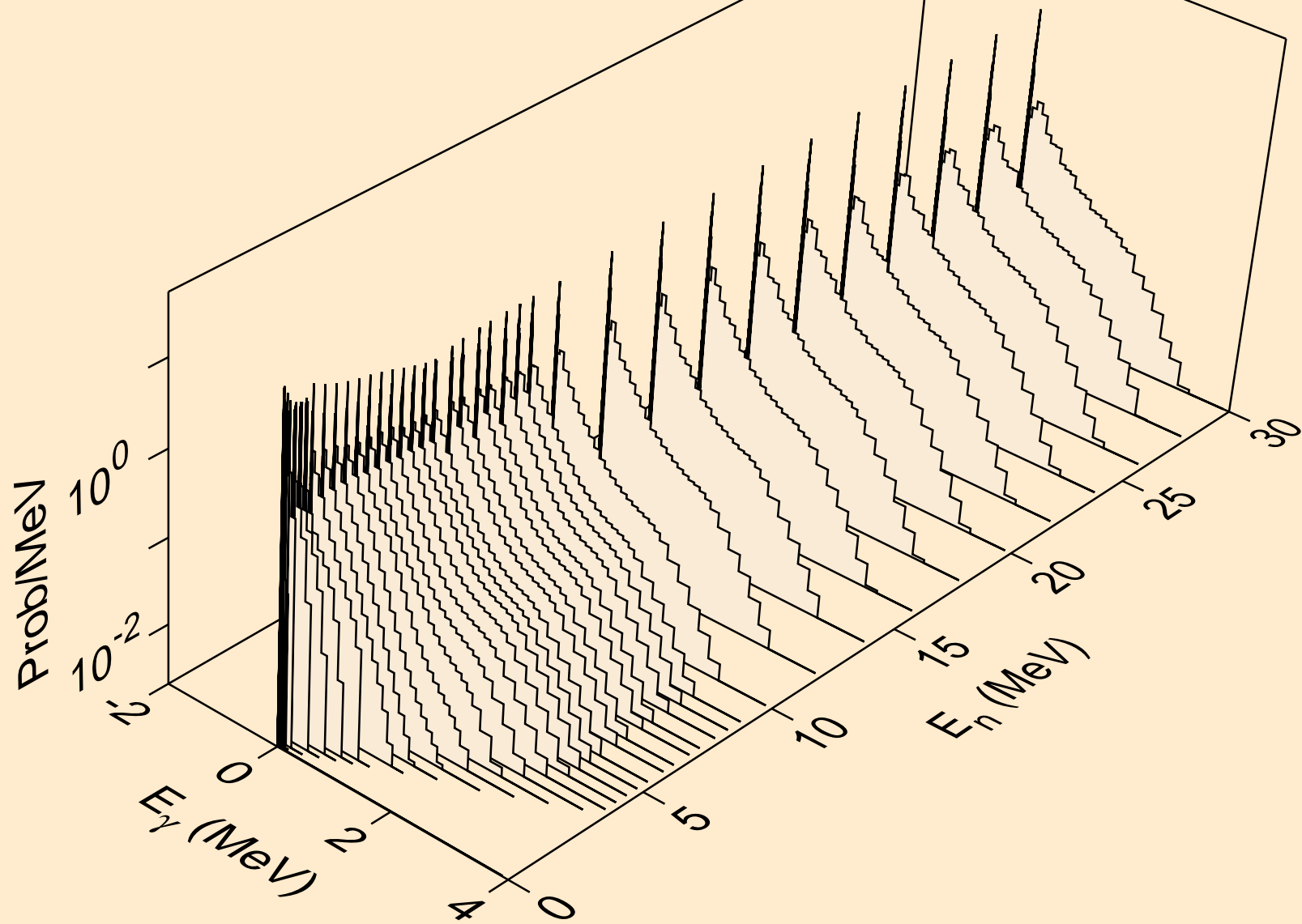
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



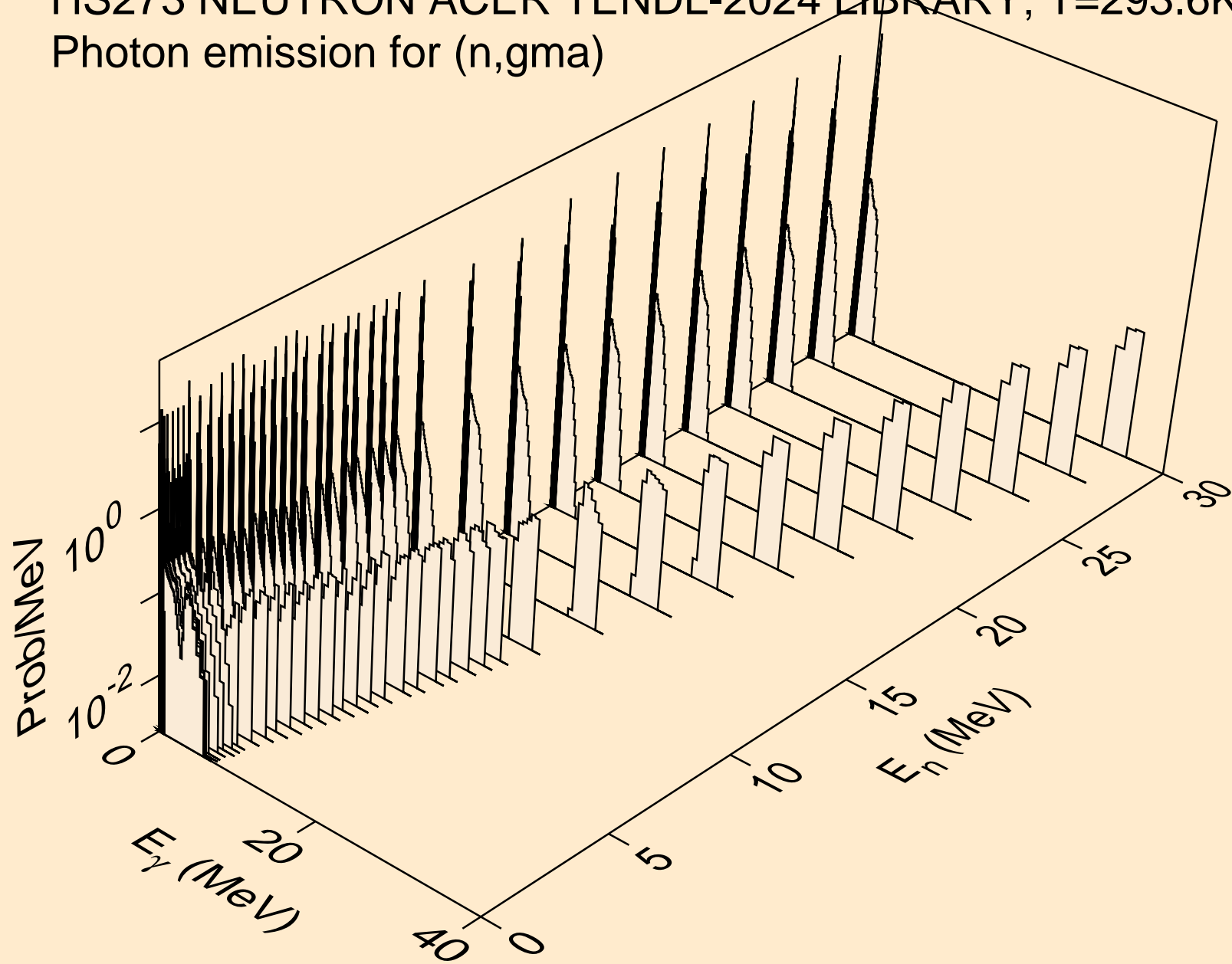
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



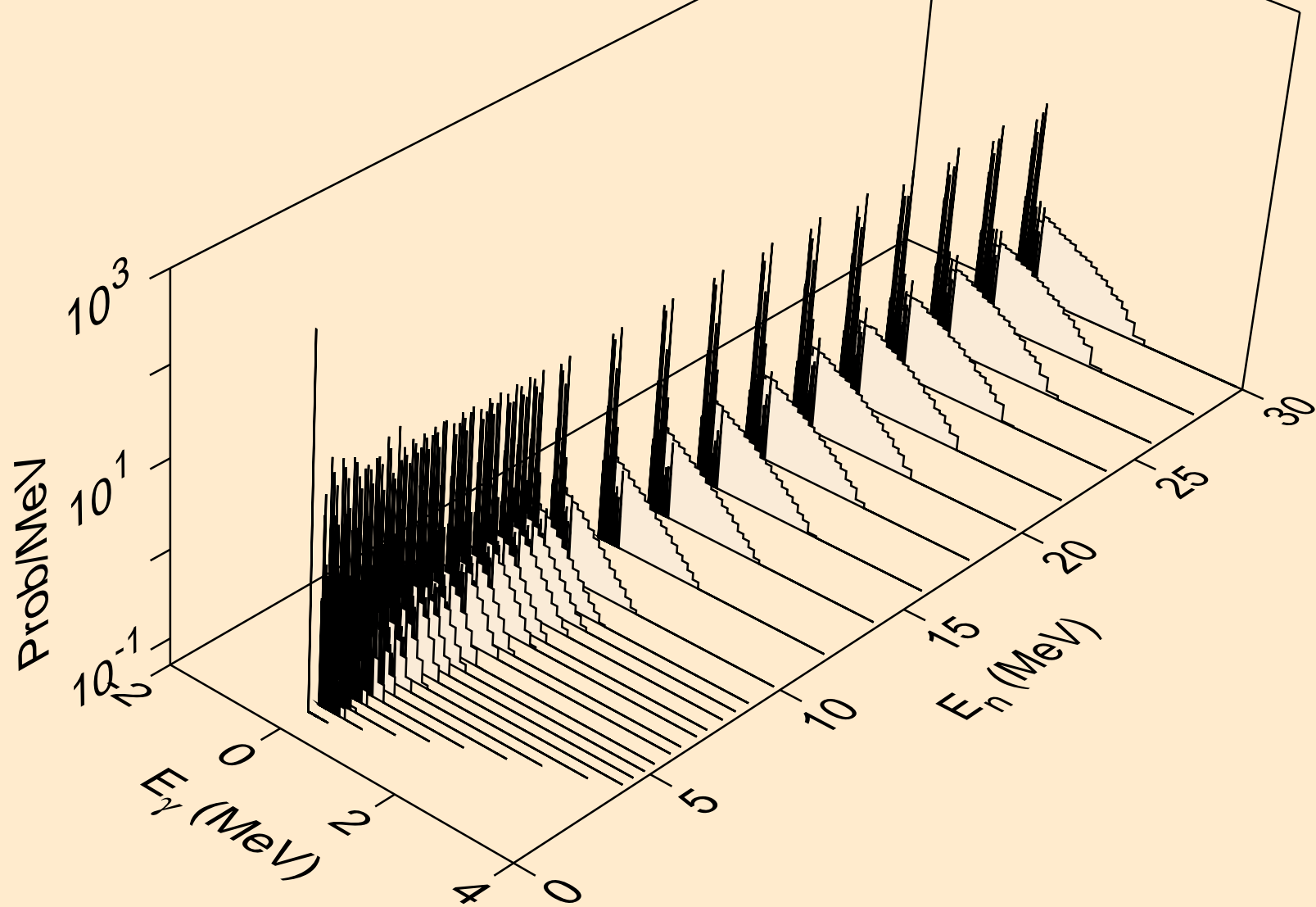
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



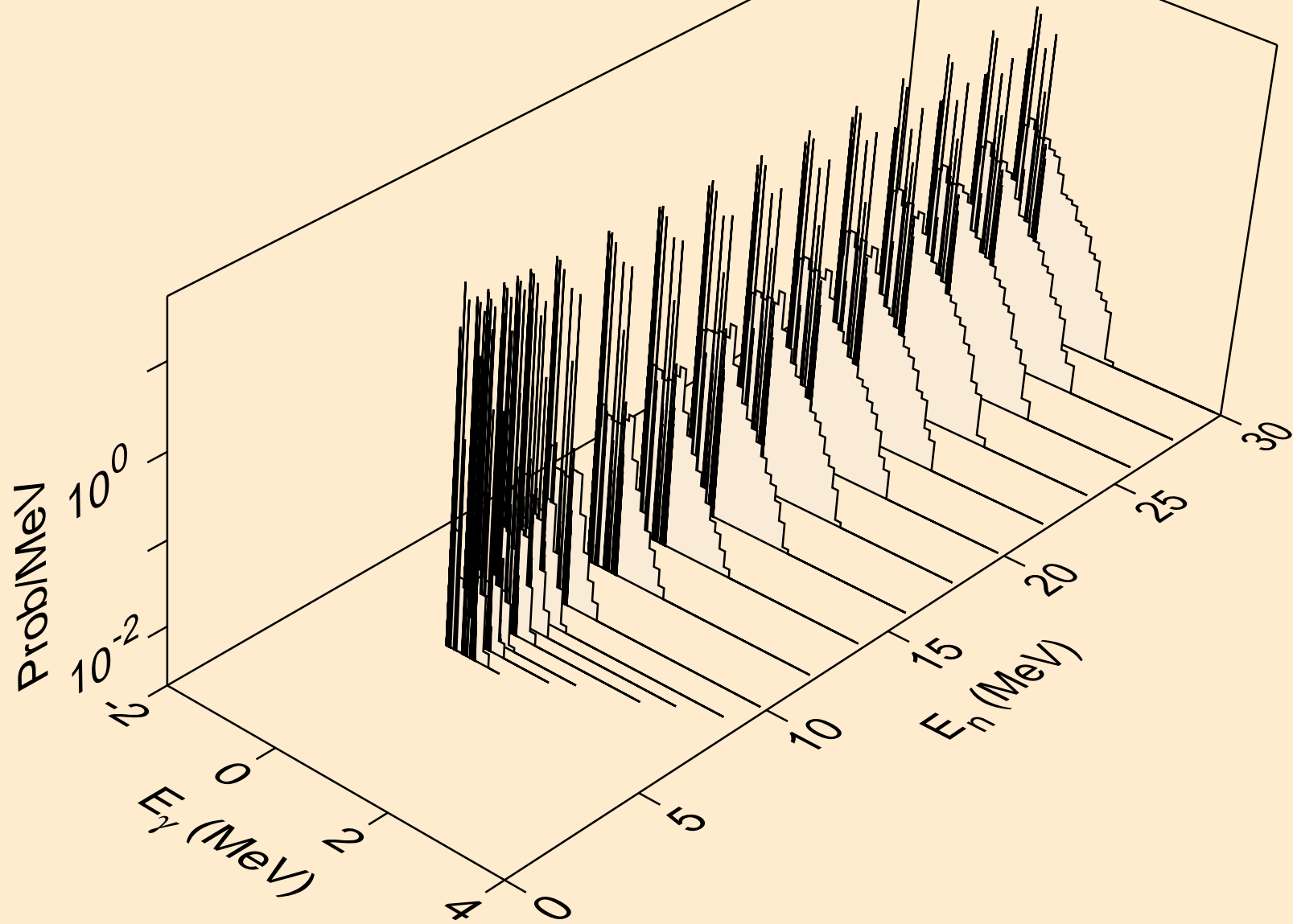
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



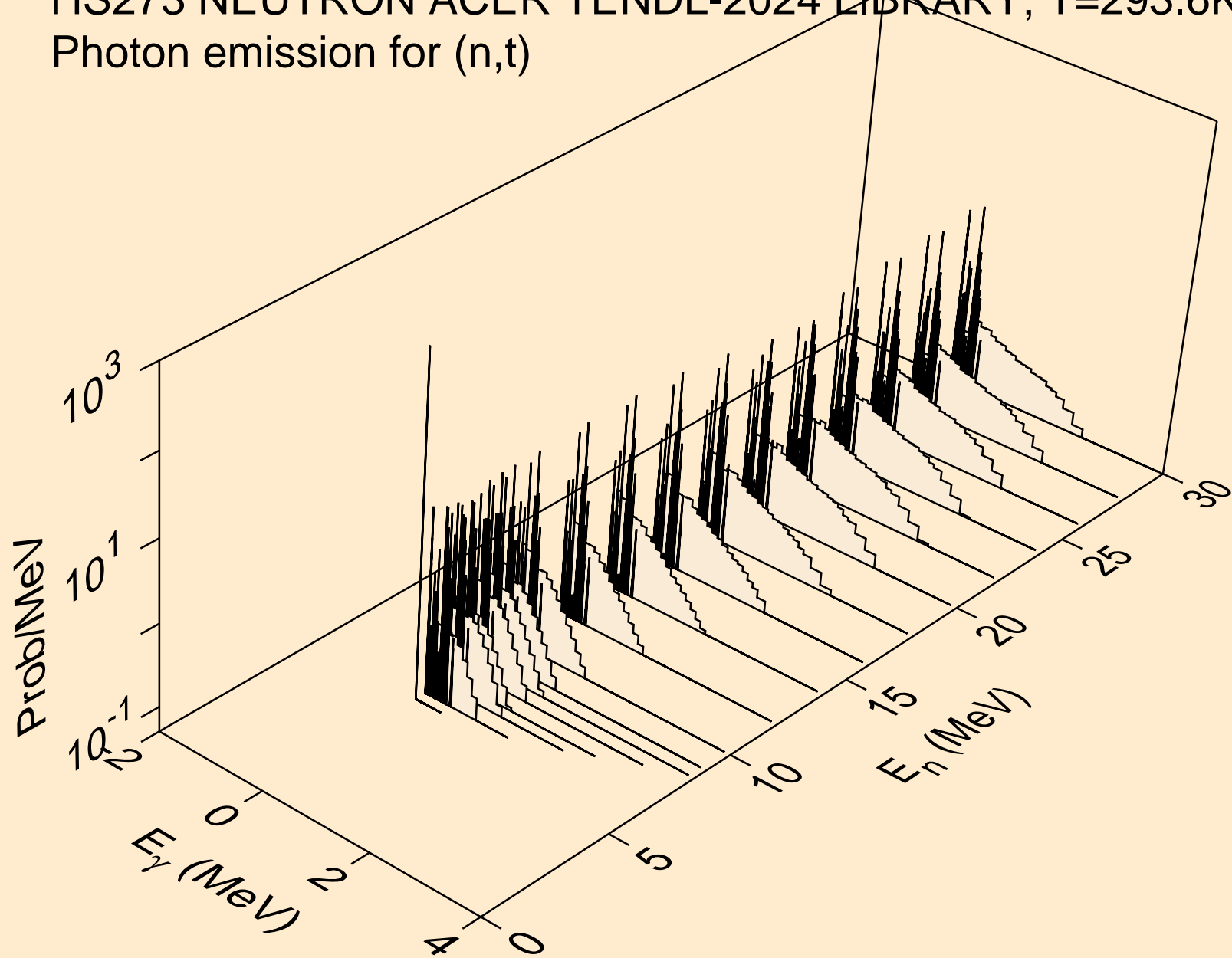
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



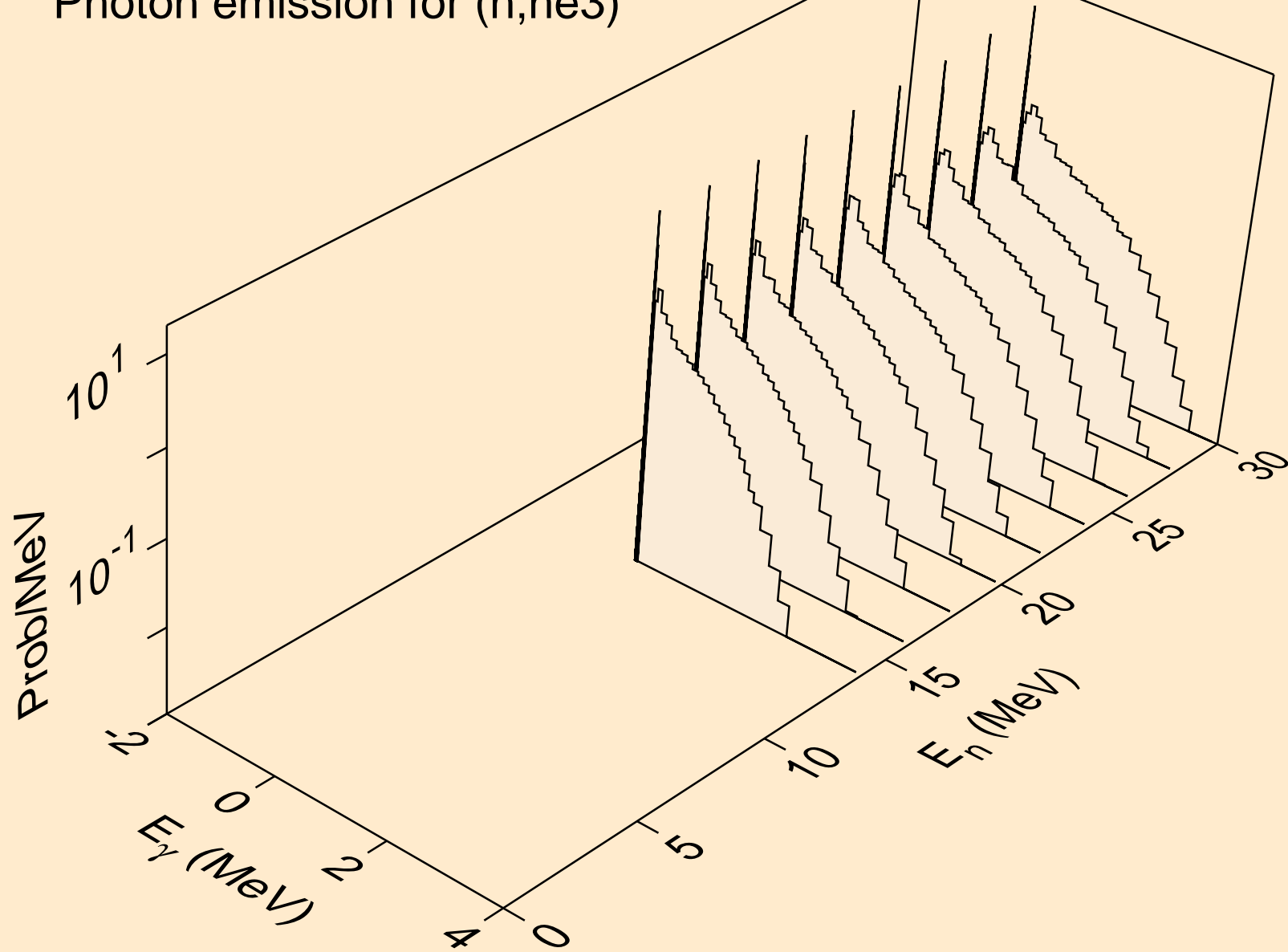
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



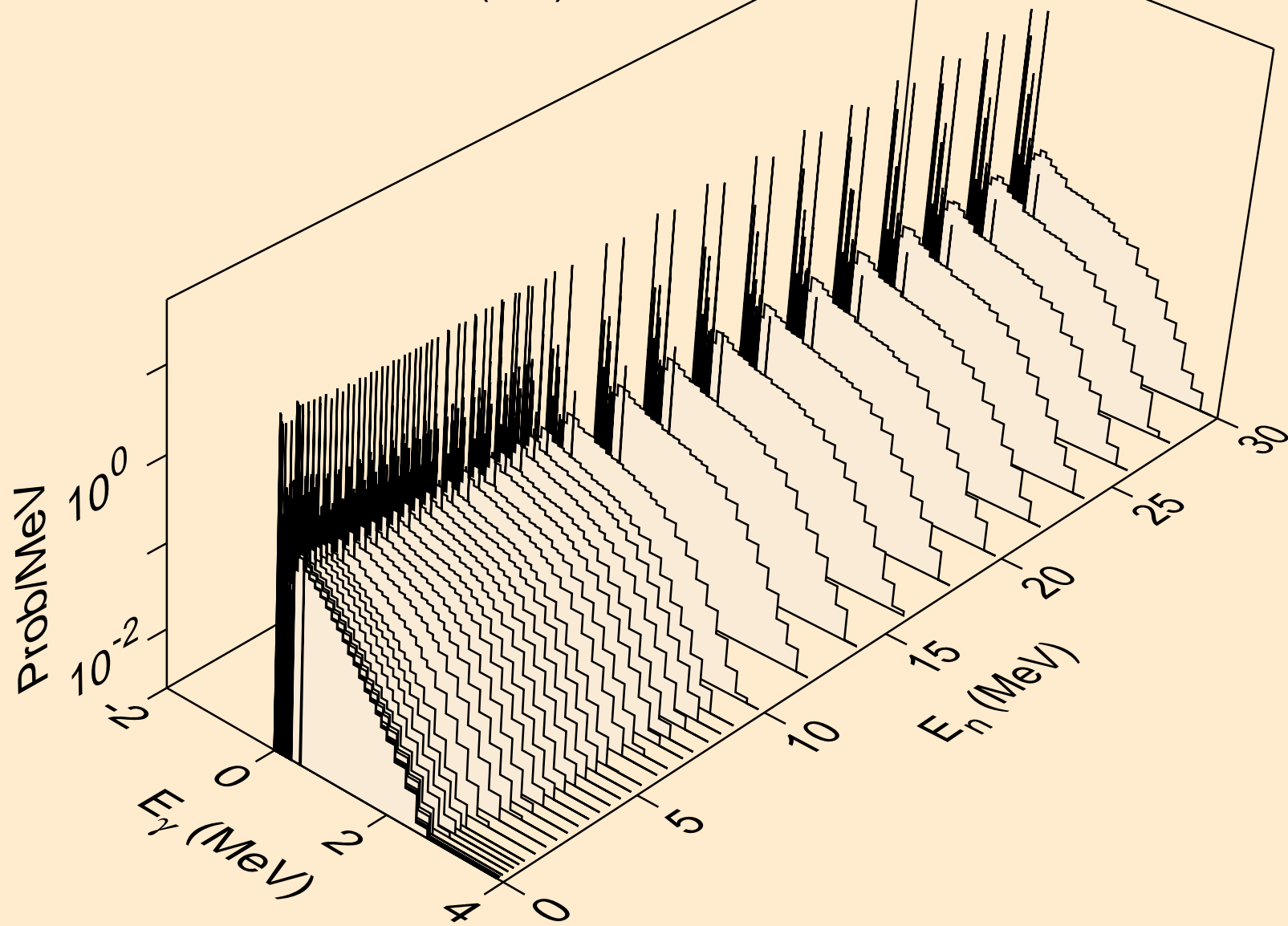
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



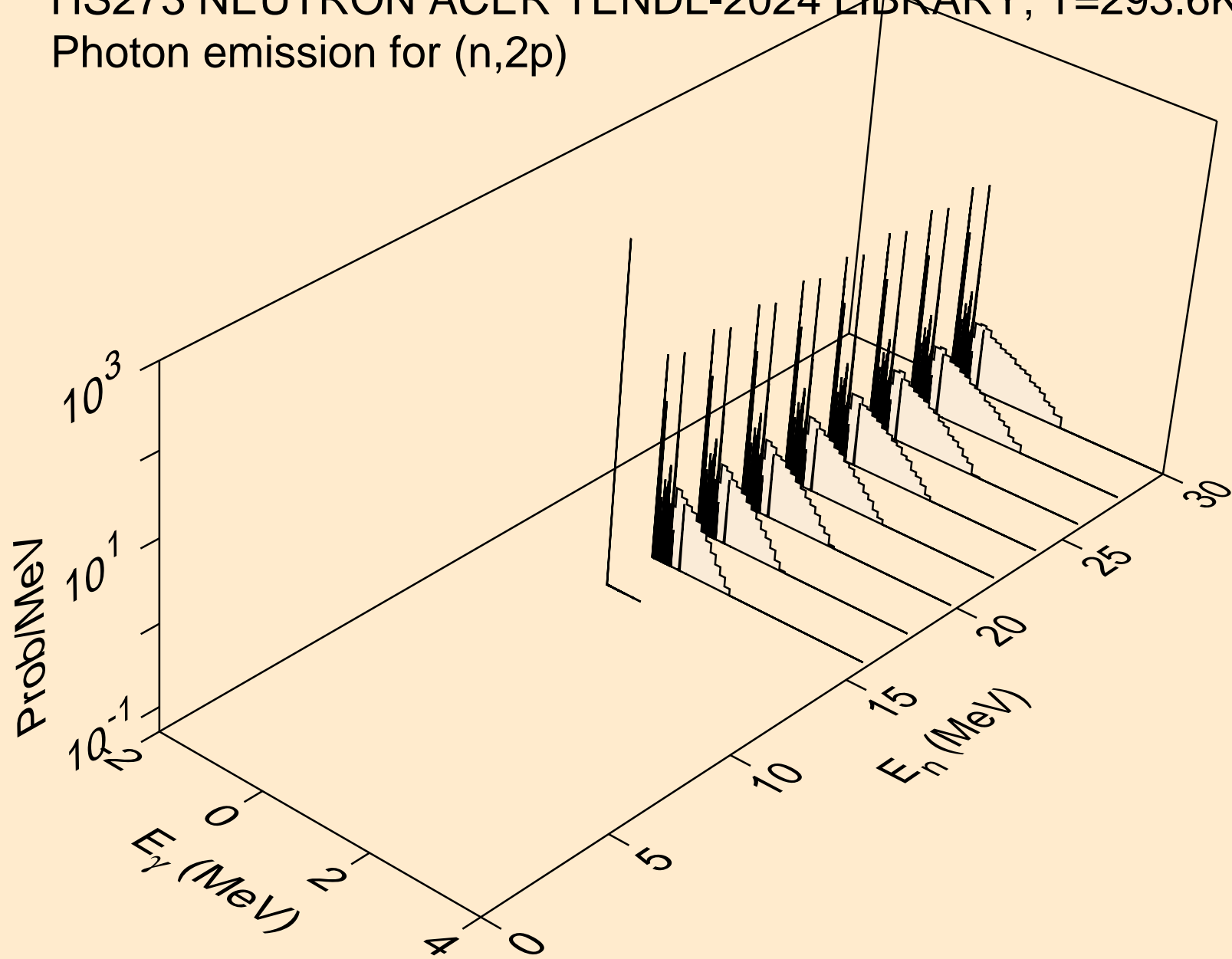
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Photon emission for (n,he3)



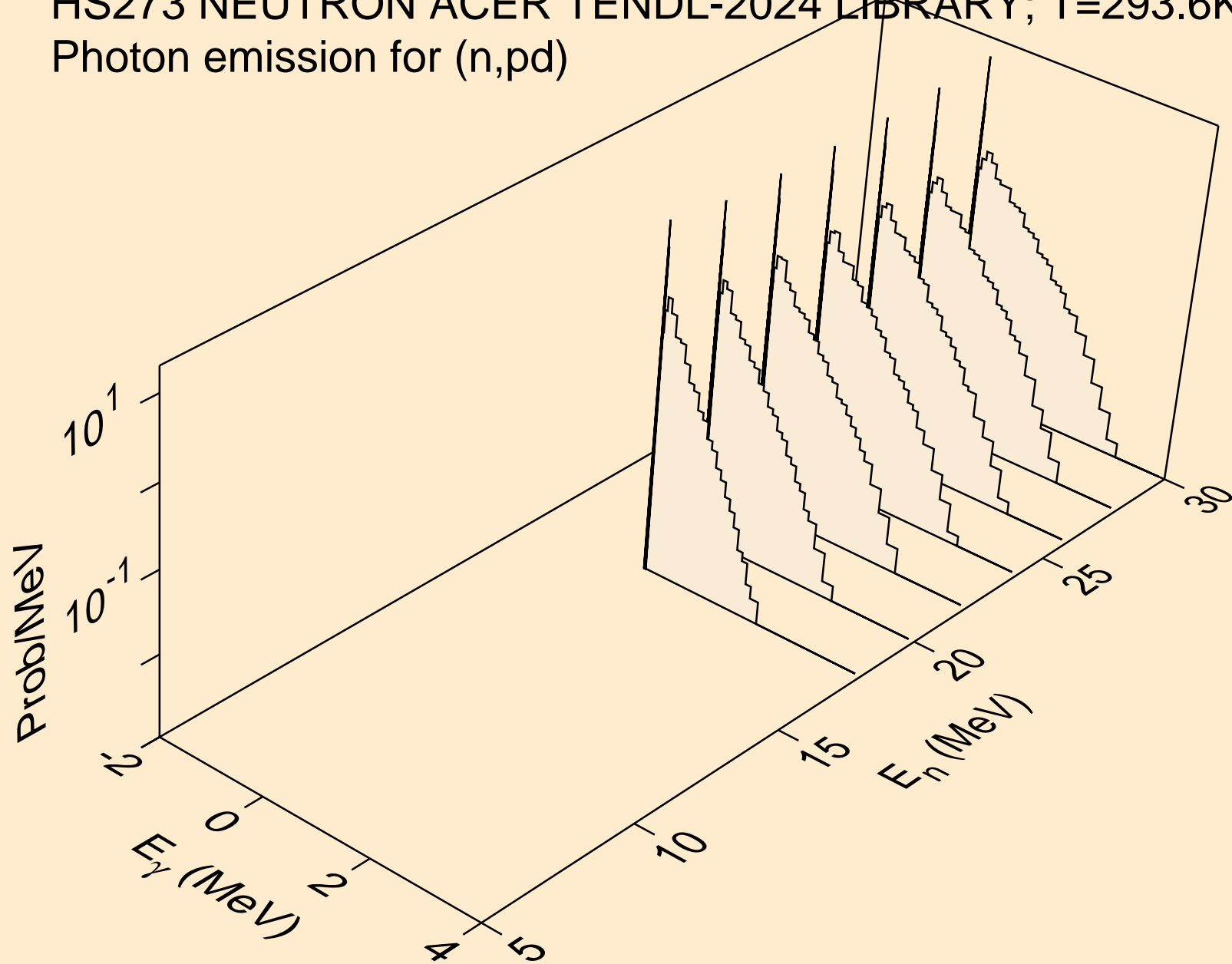
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



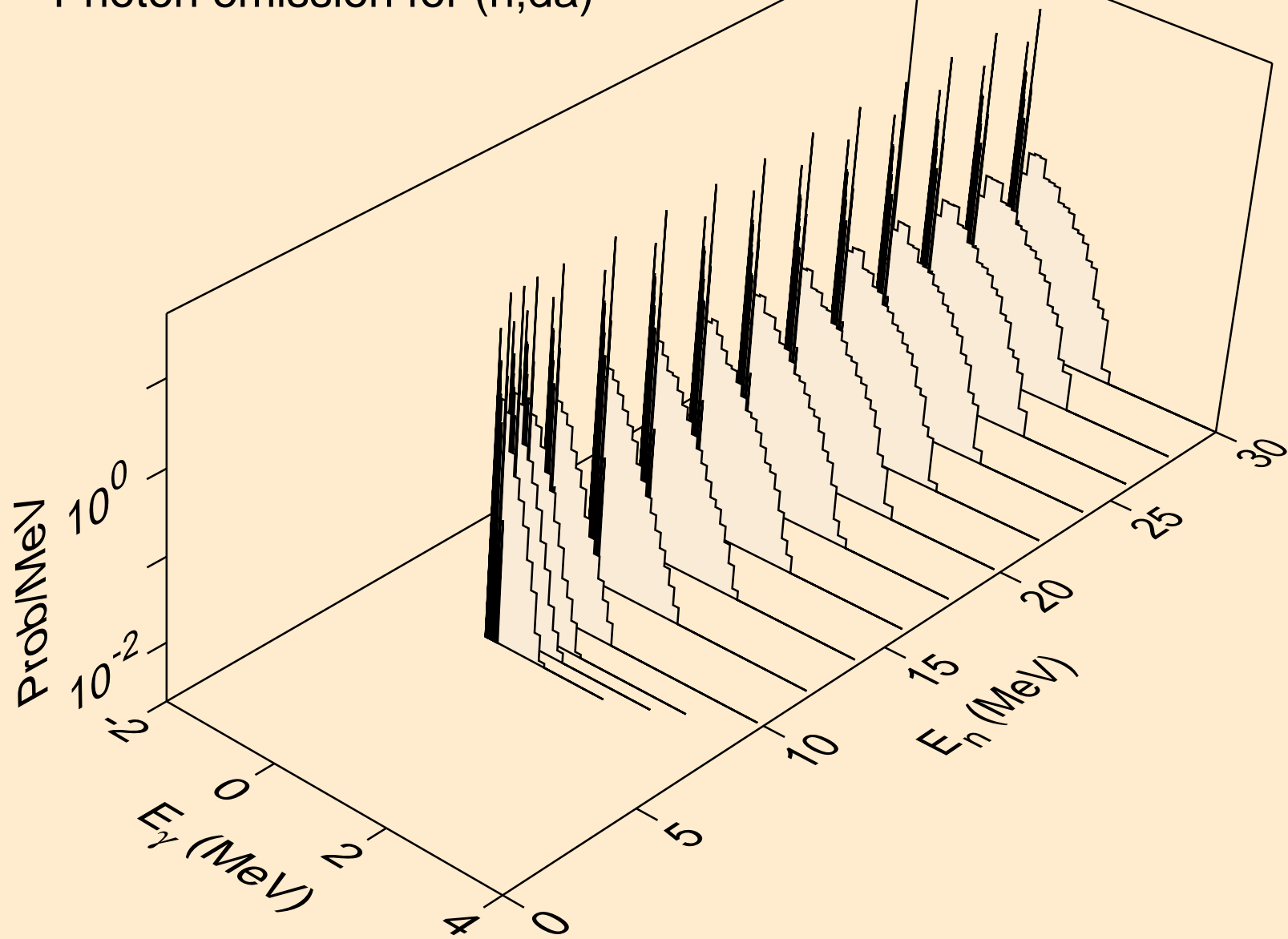
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



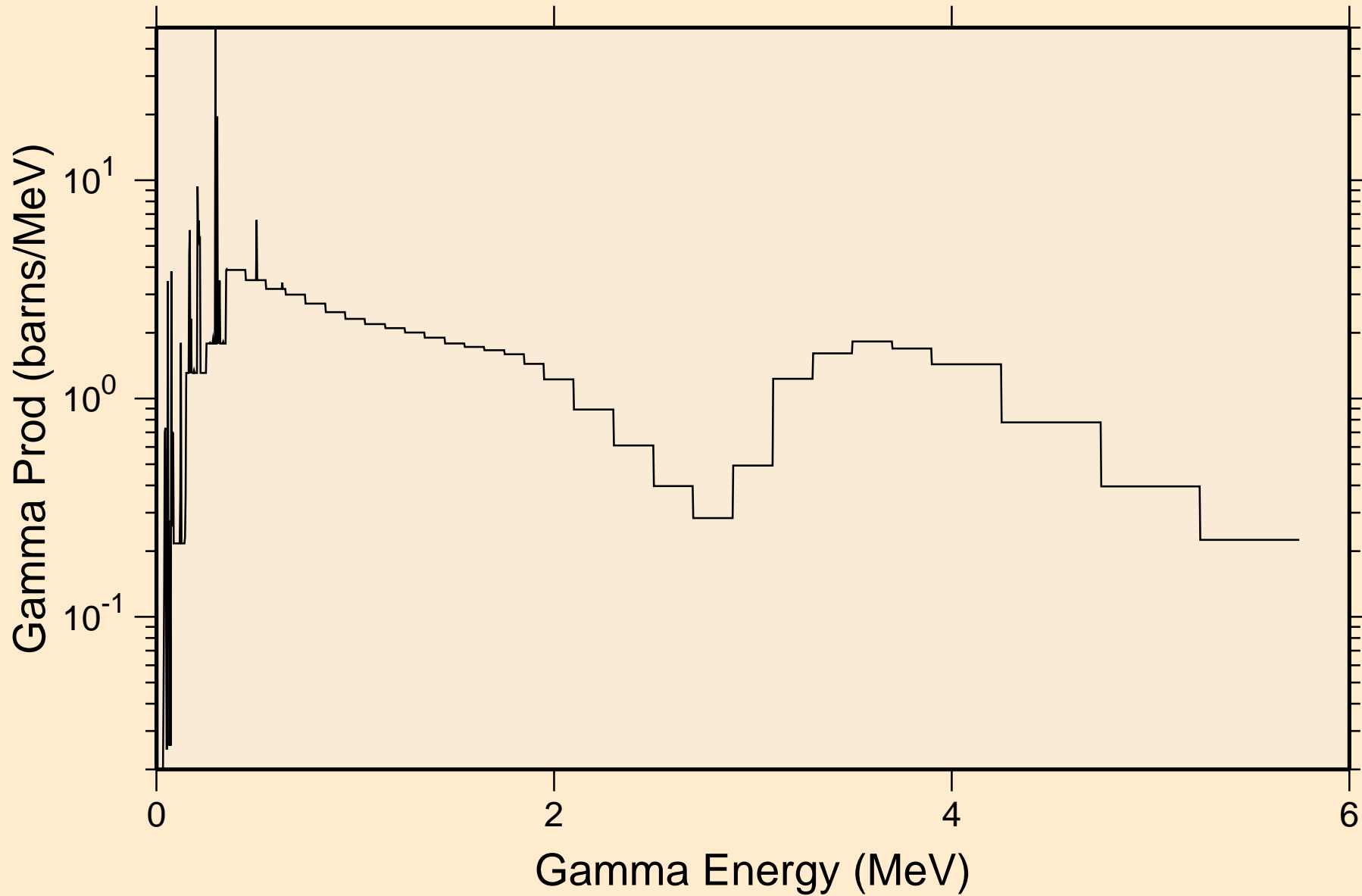
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



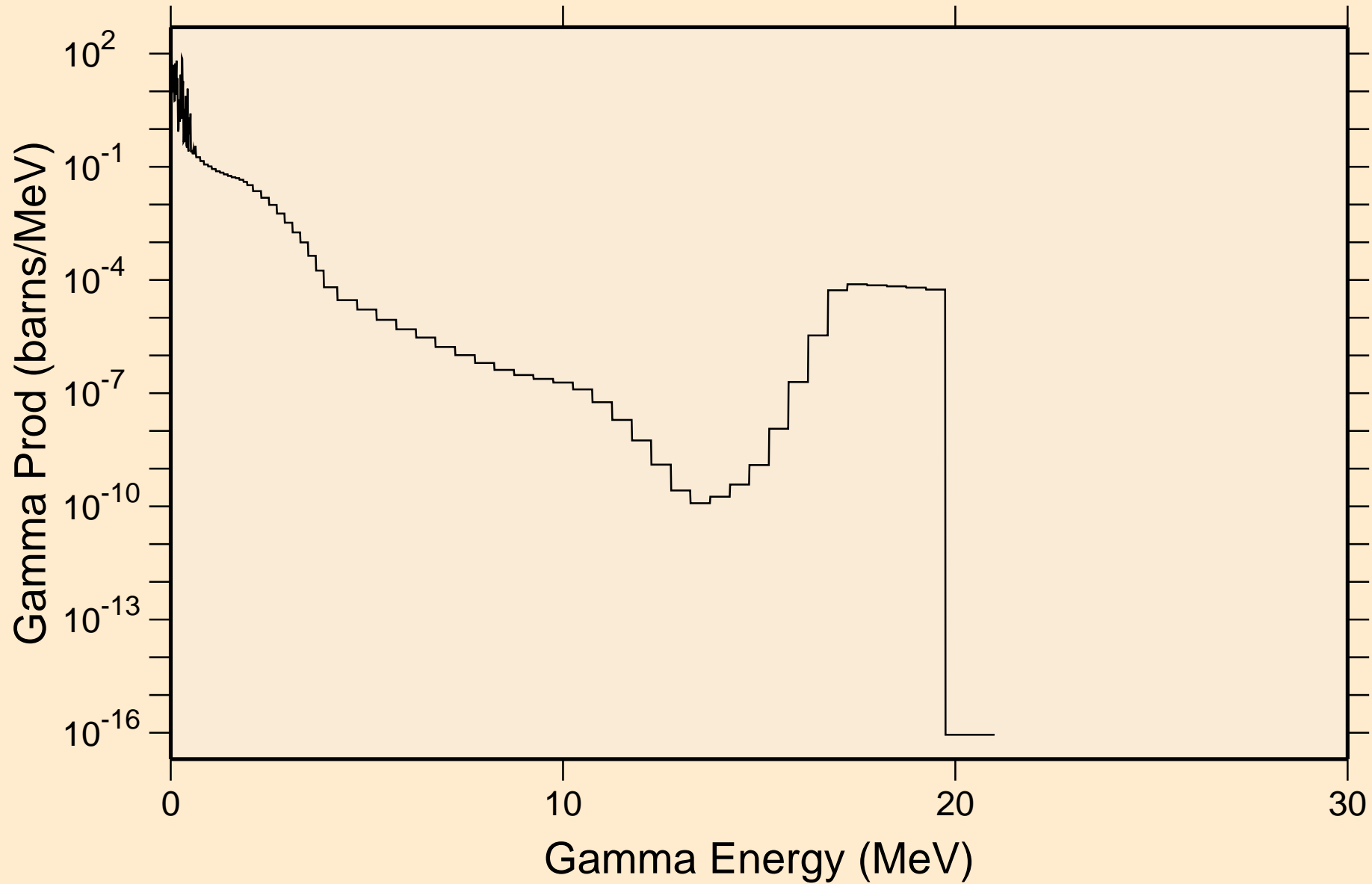
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

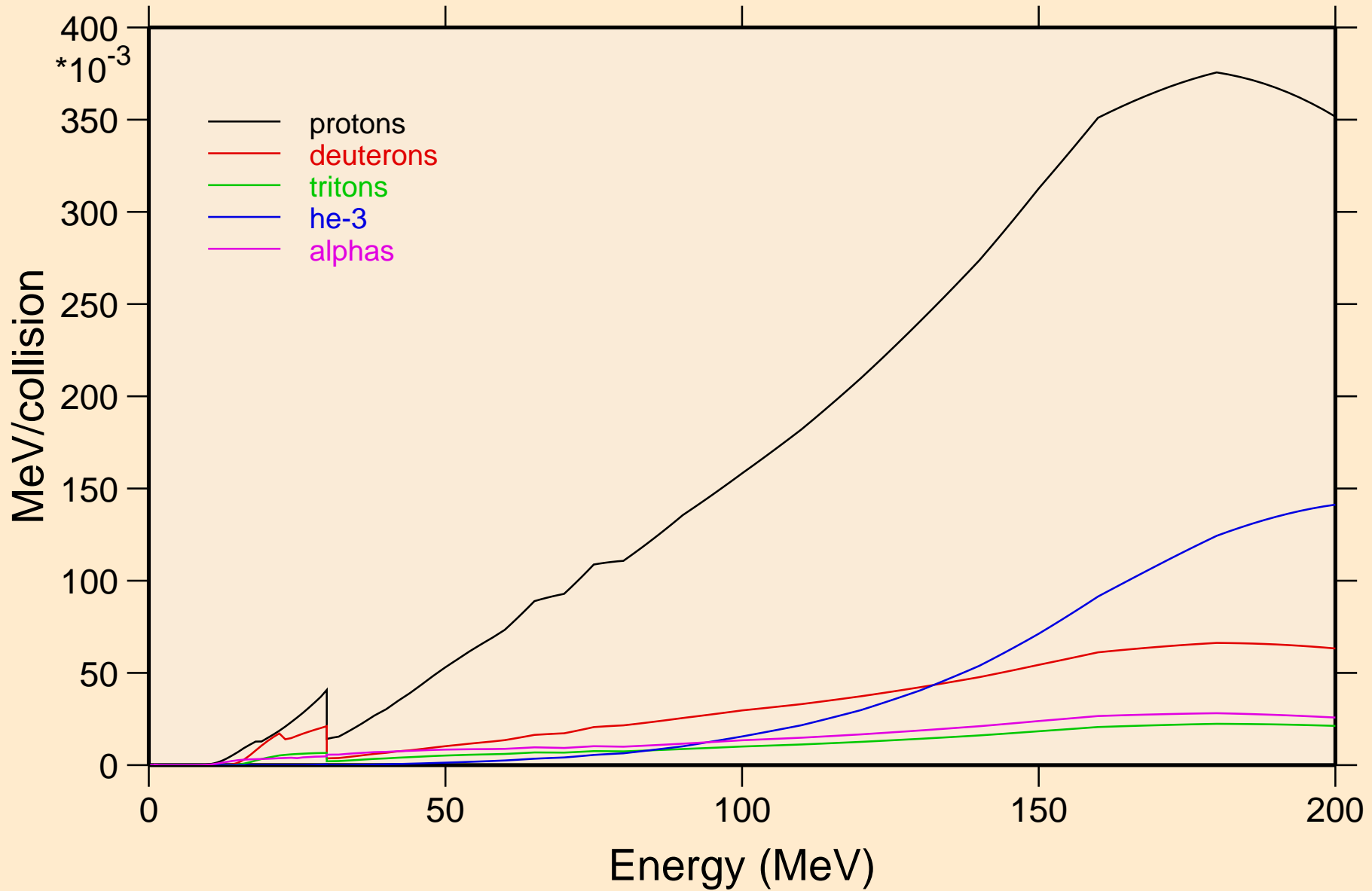


HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



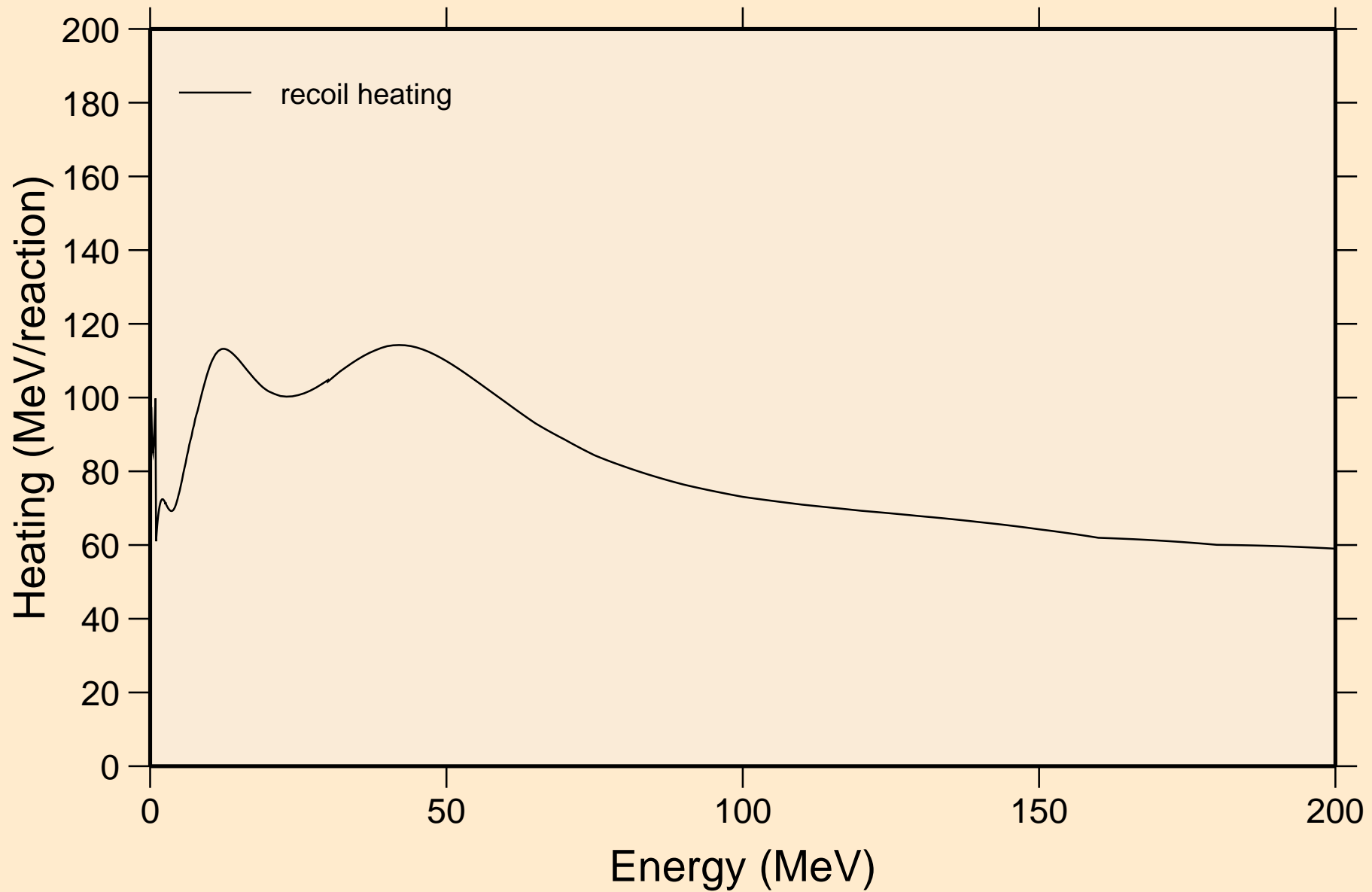
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## Particle heating contributions



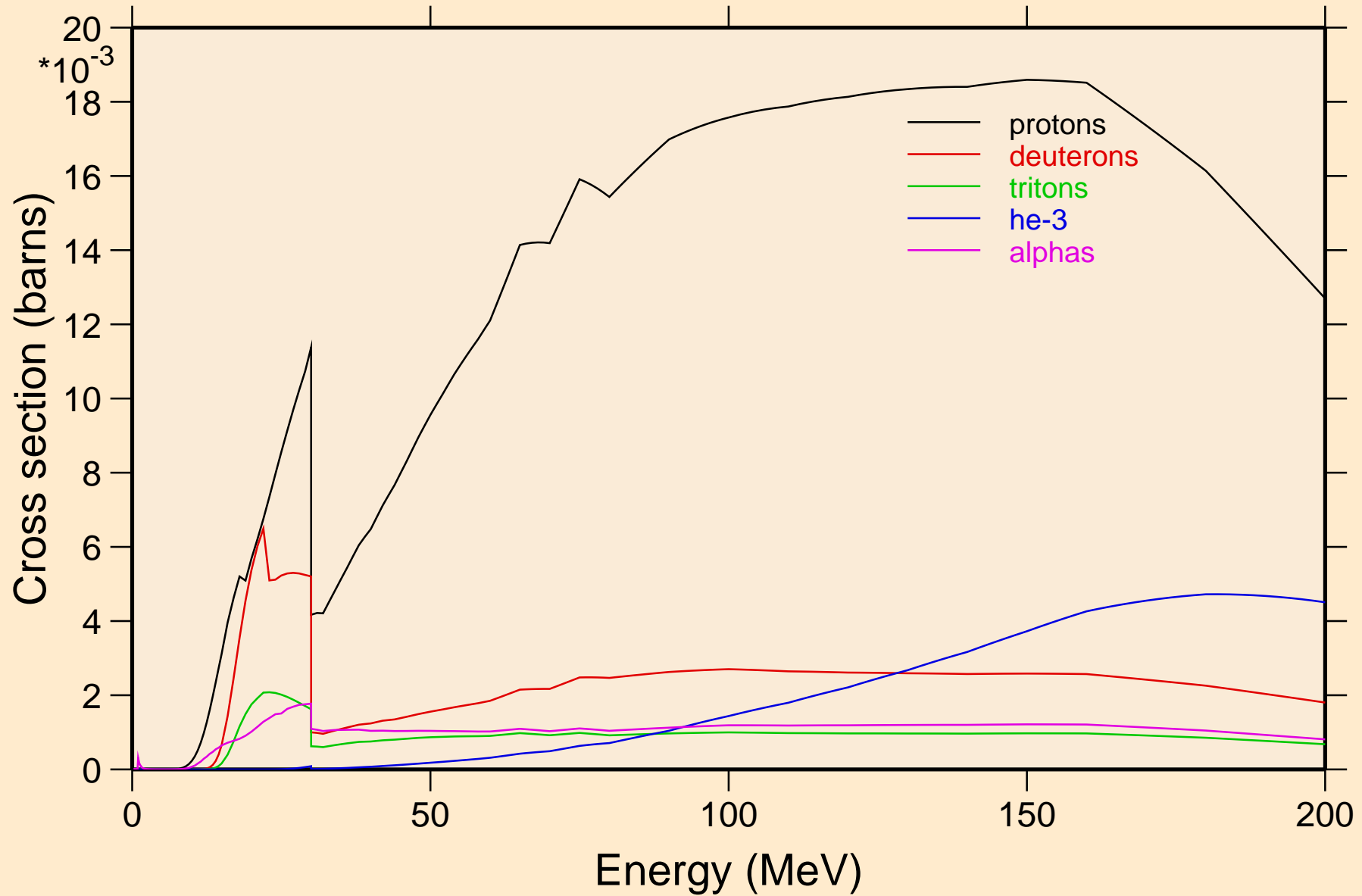
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## Recoil Heating

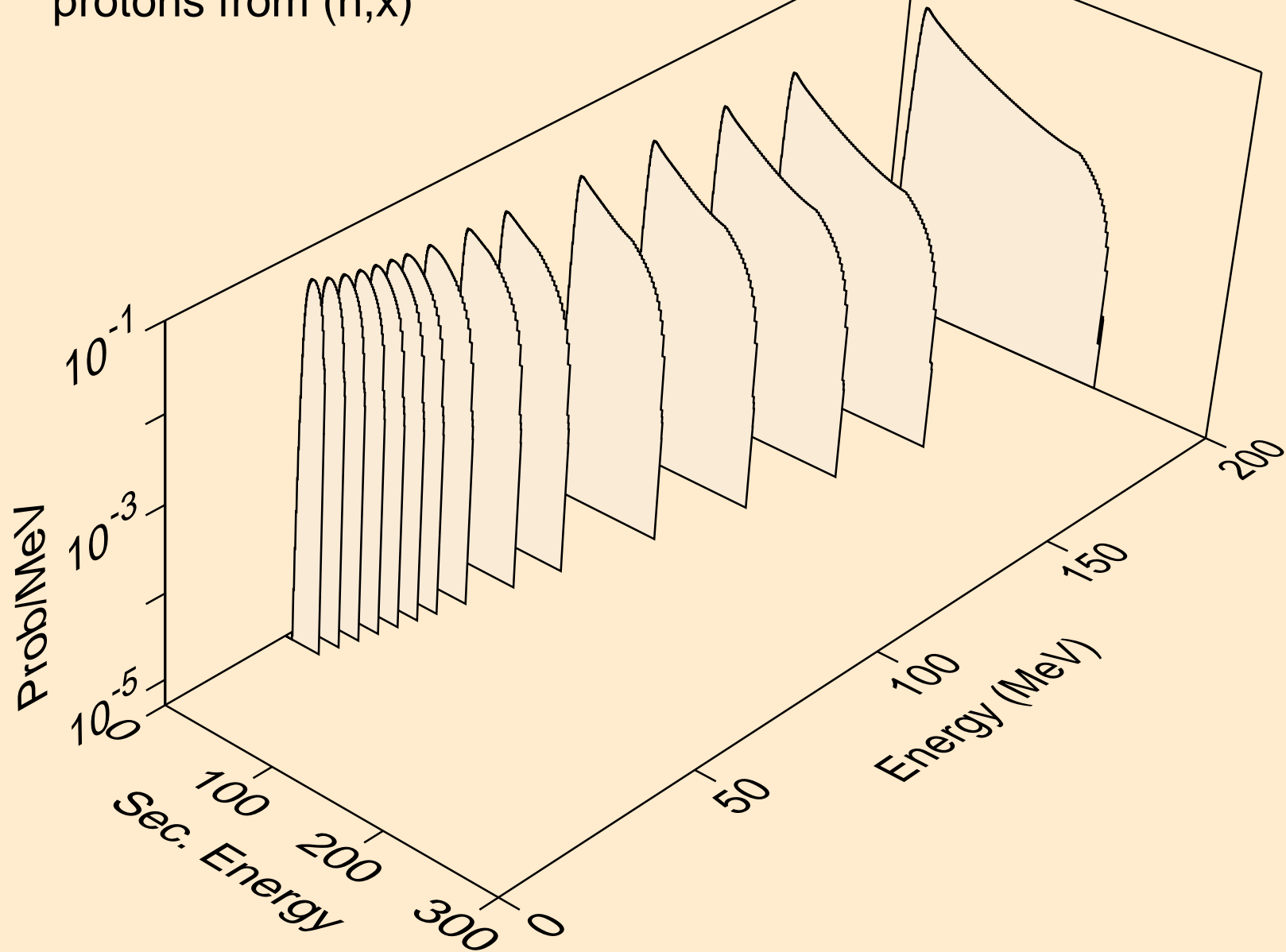


# HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

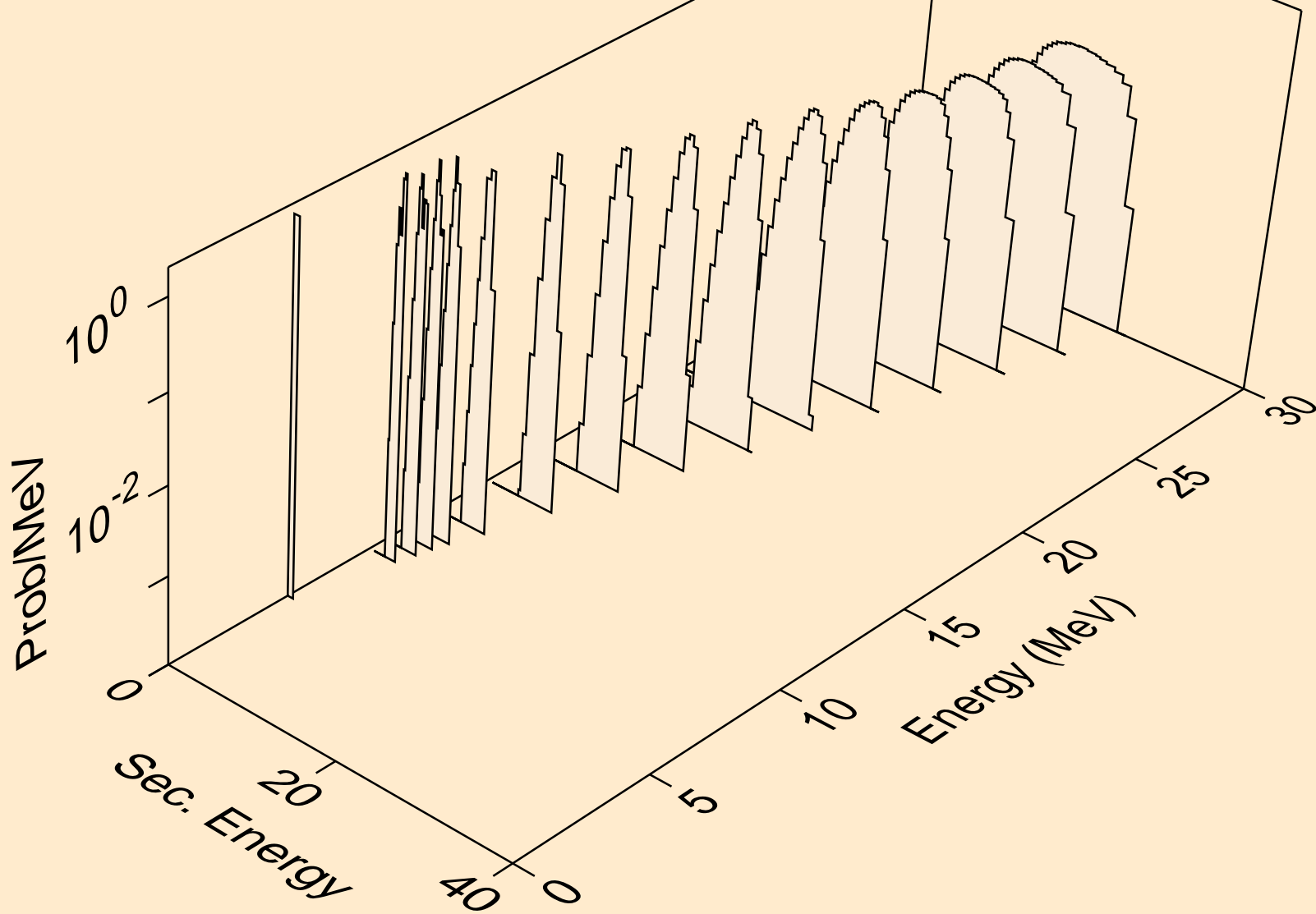
## Particle production cross sections



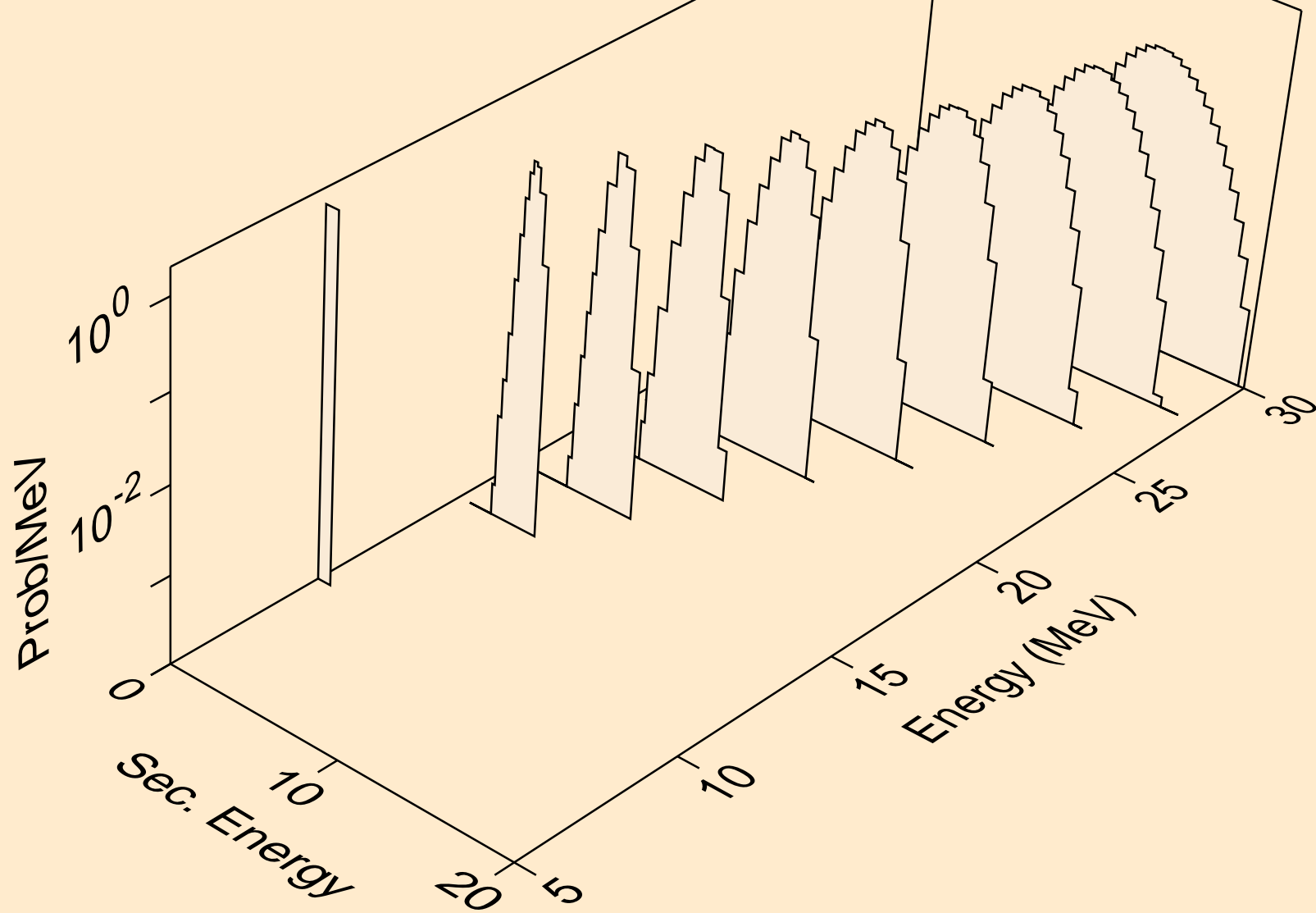
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



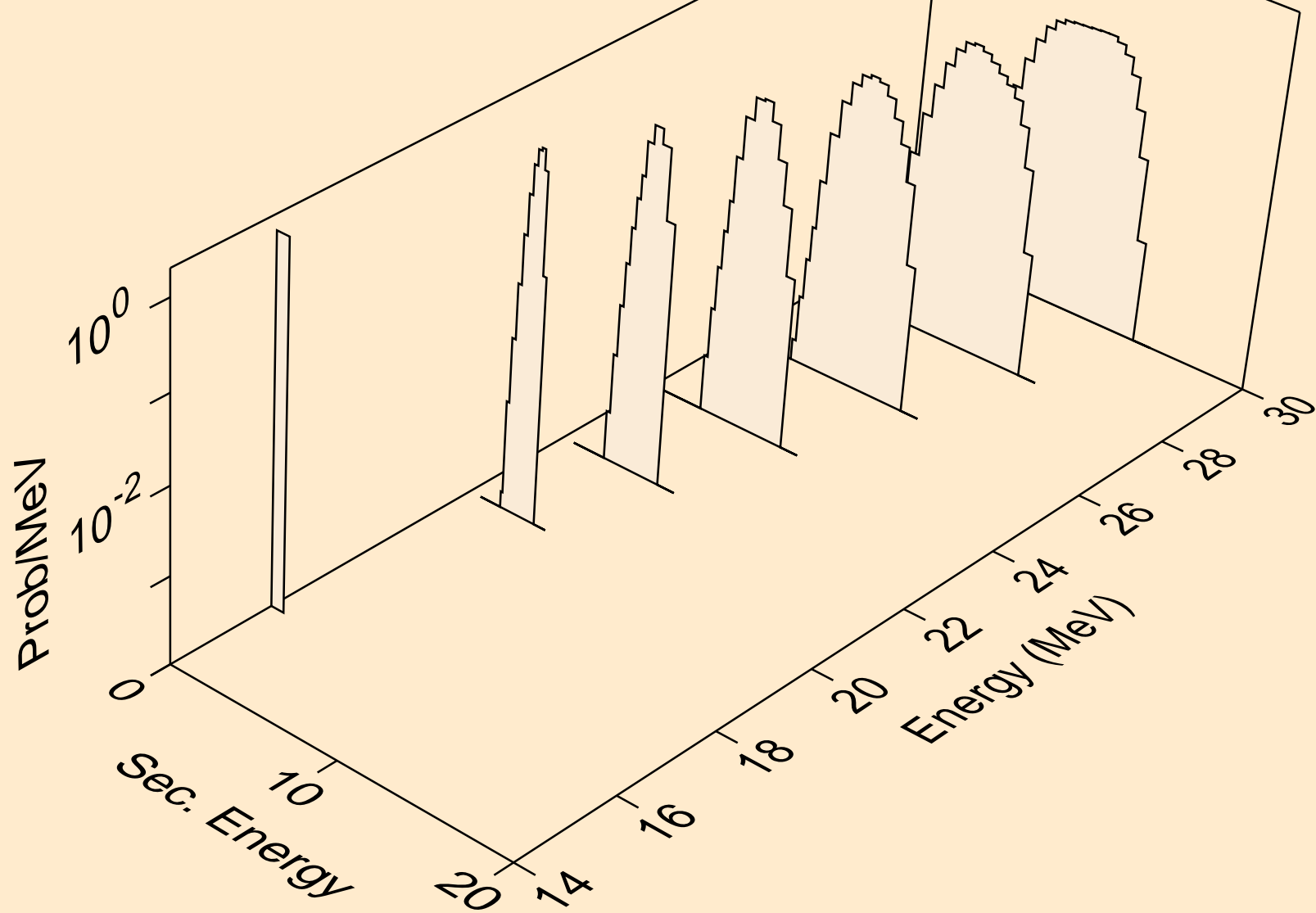
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



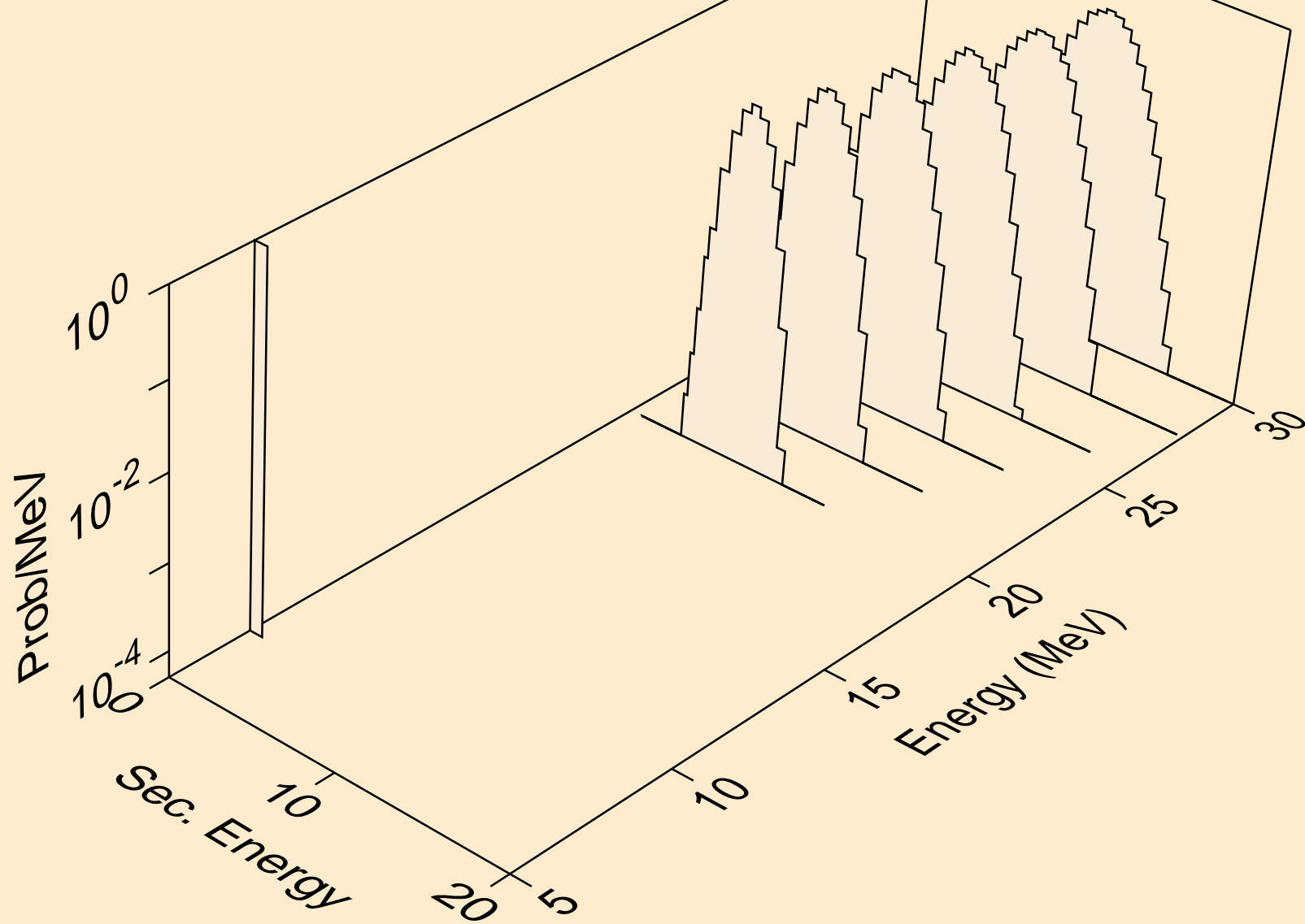
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protons from (n,2np)



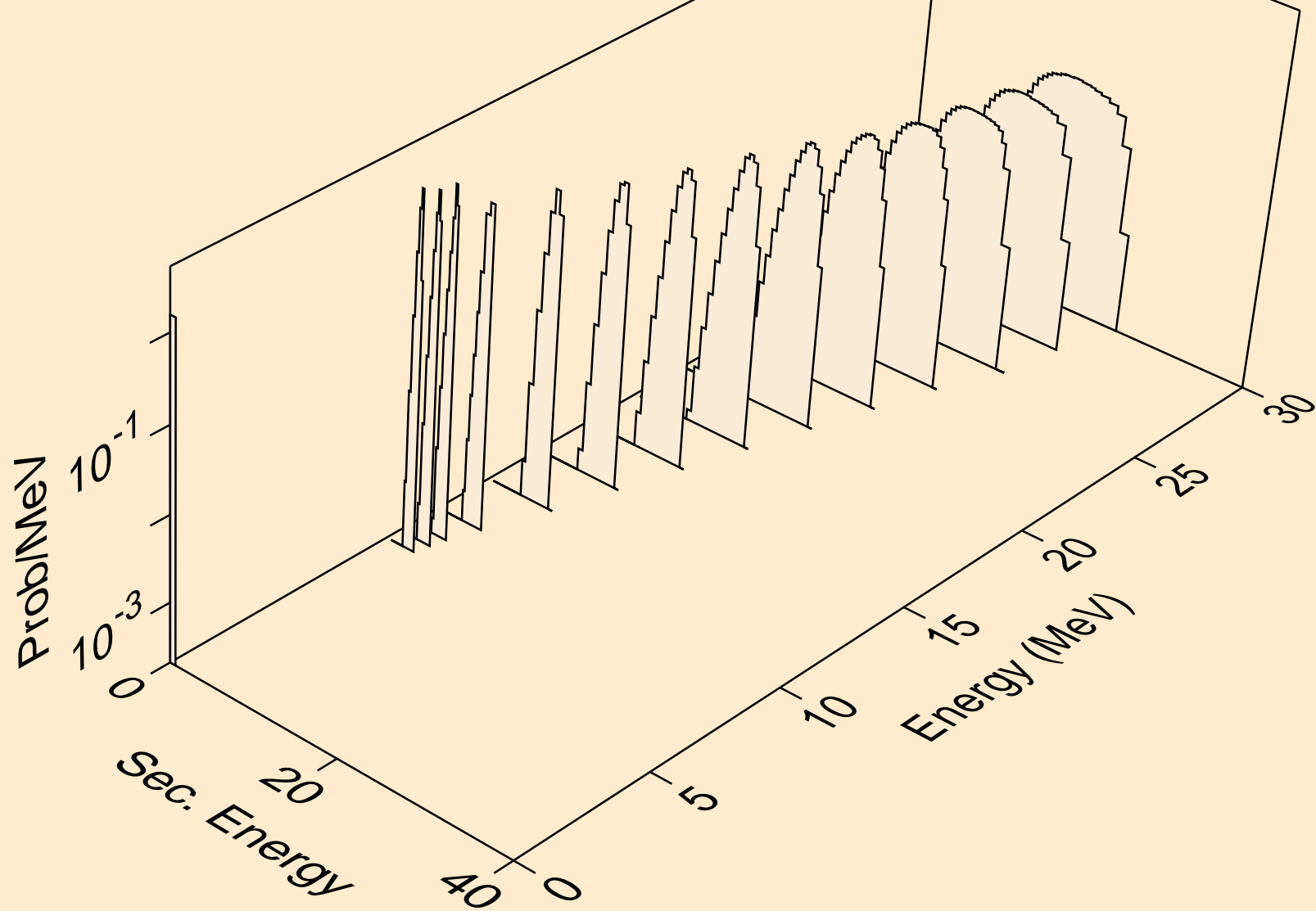
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protons from (n,3np)



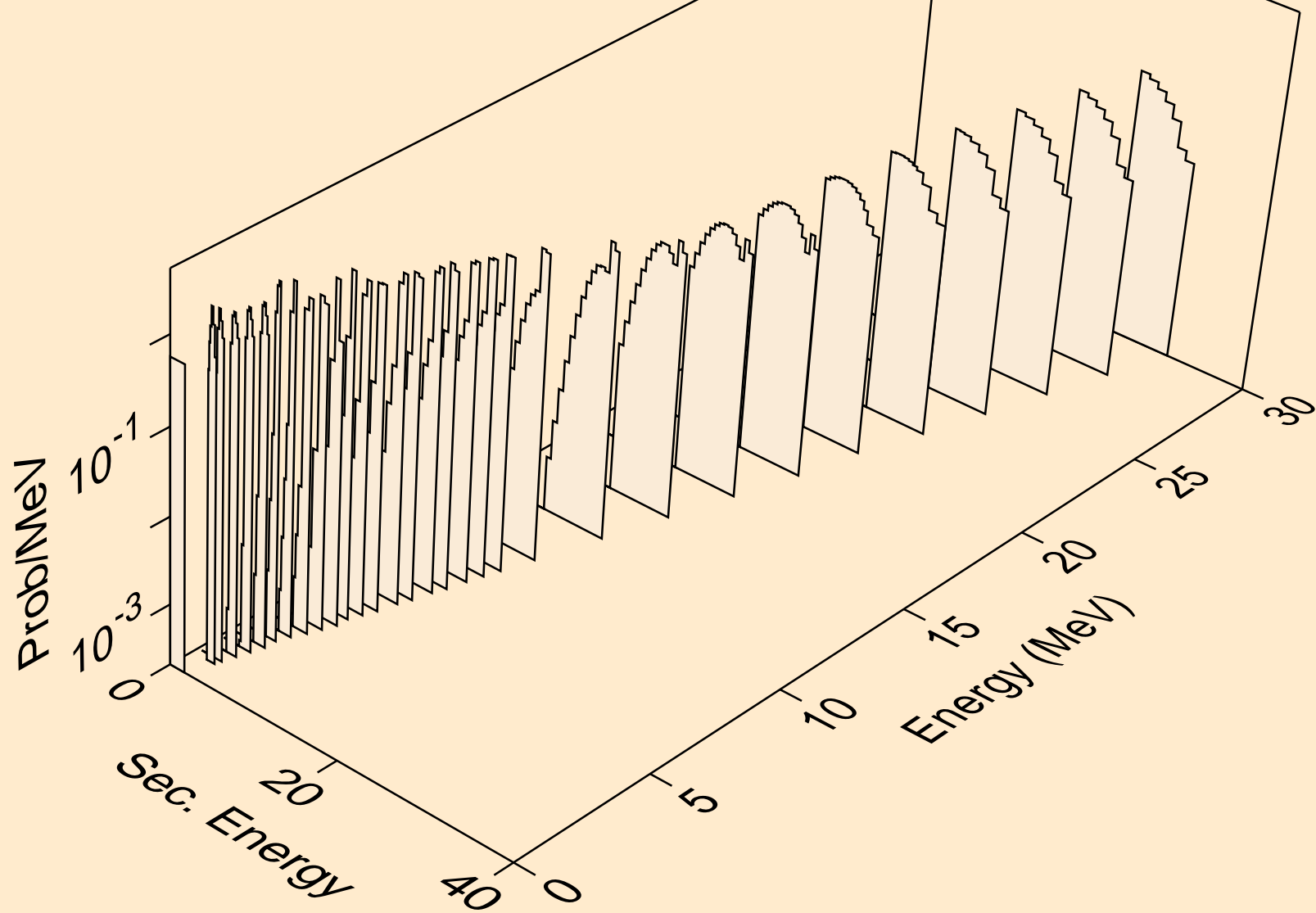
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protons from (n,n2p)



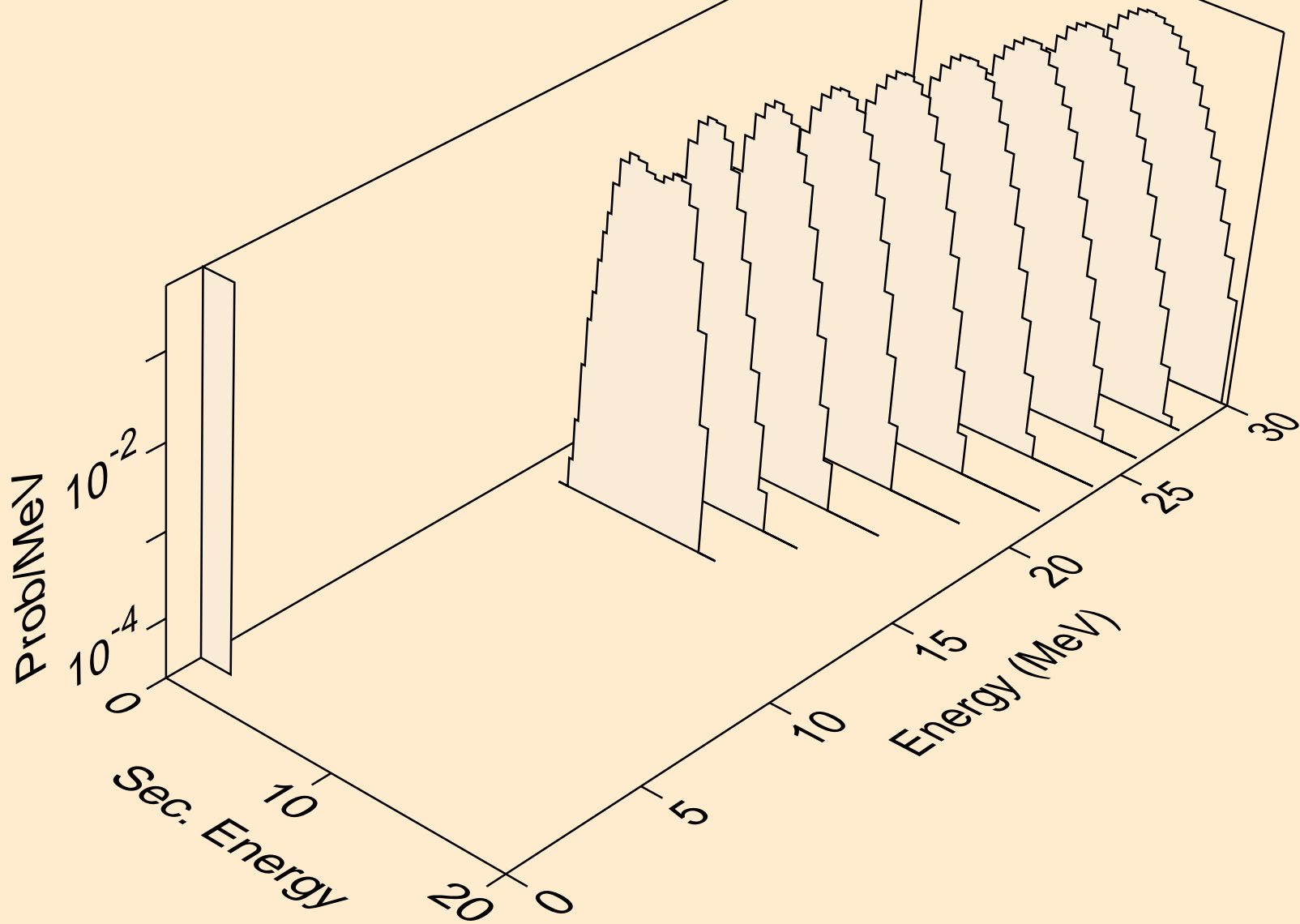
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protons from (n,npa)



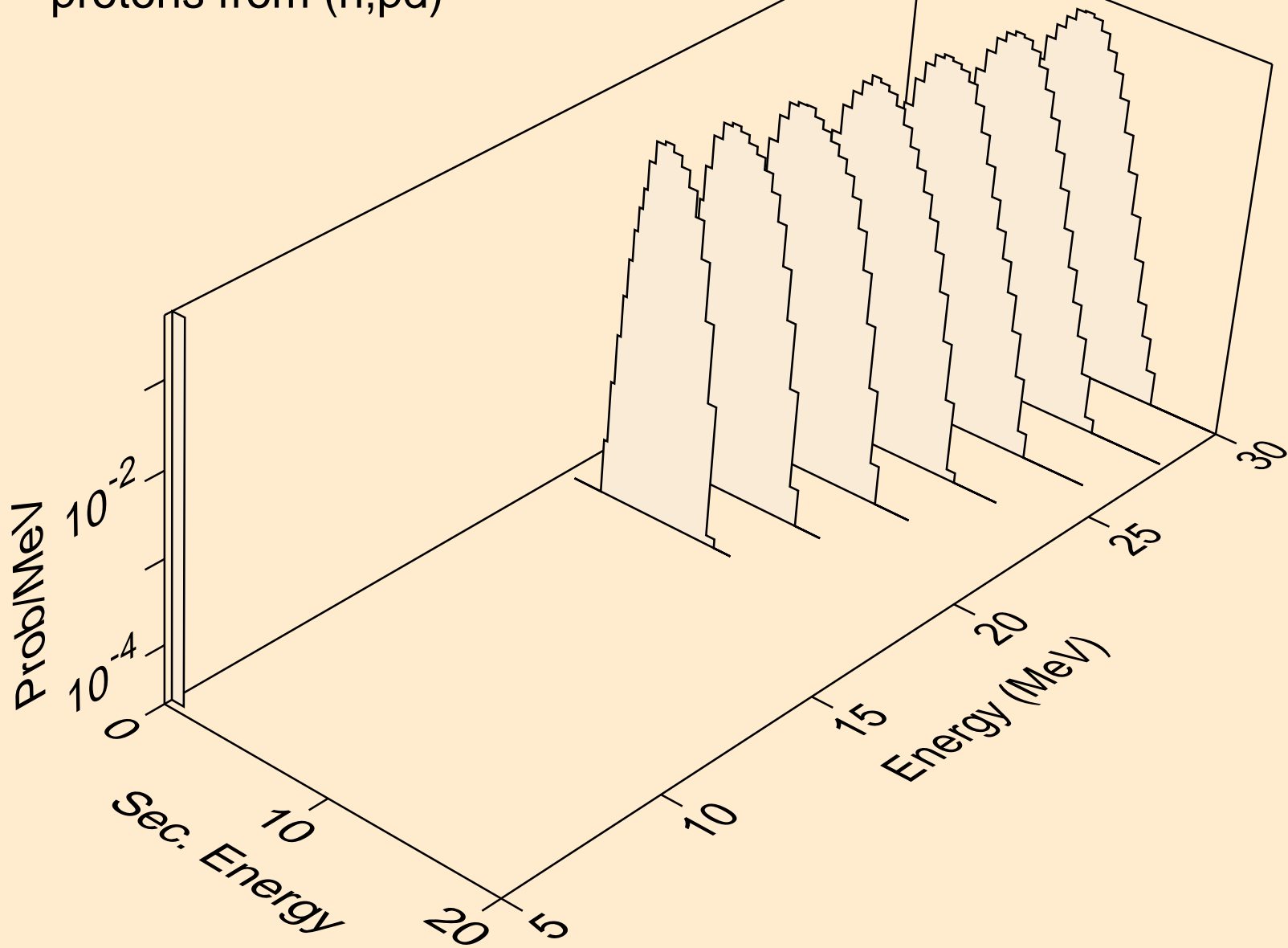
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protons from (n,p)



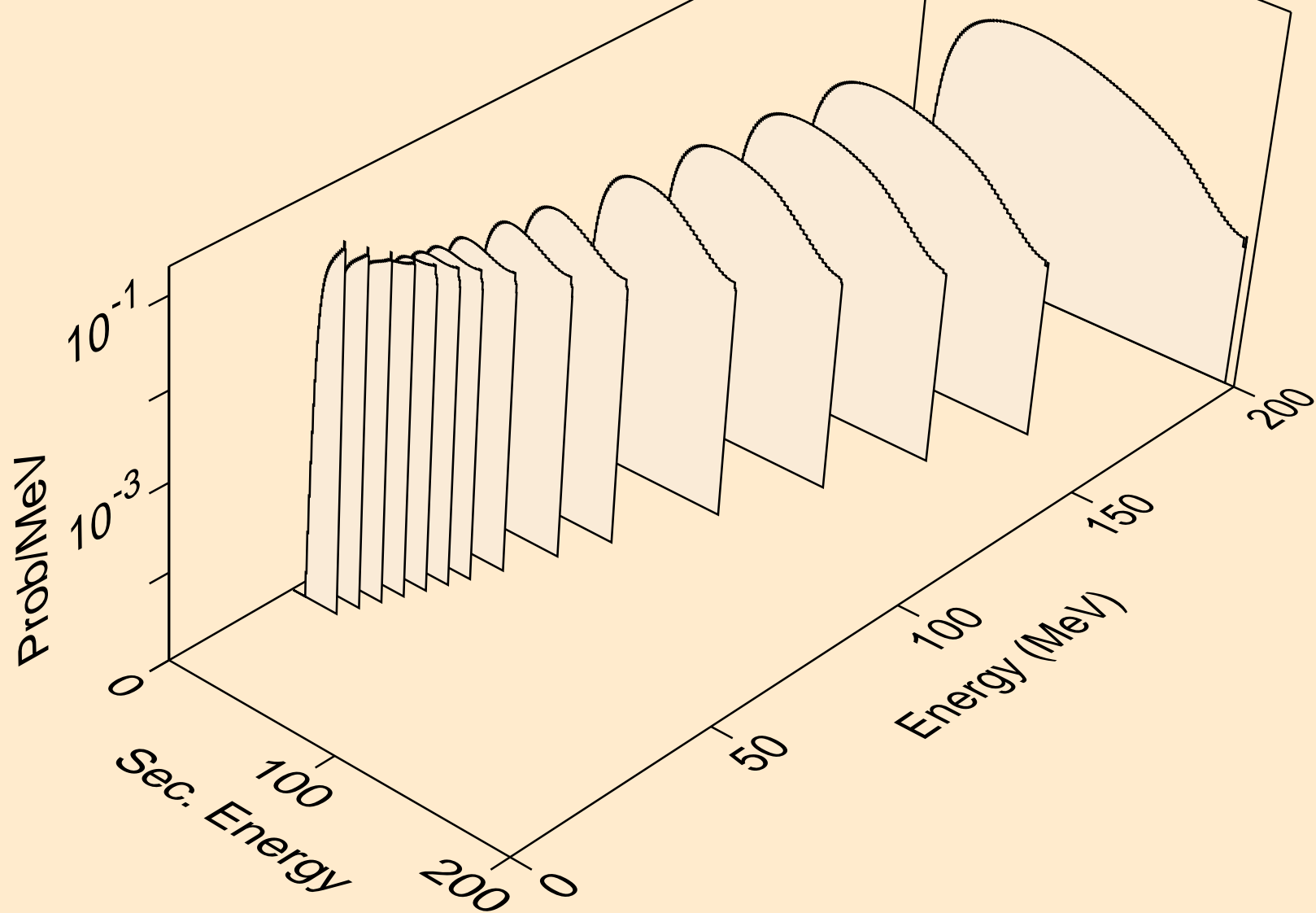
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protons from (n,2p)



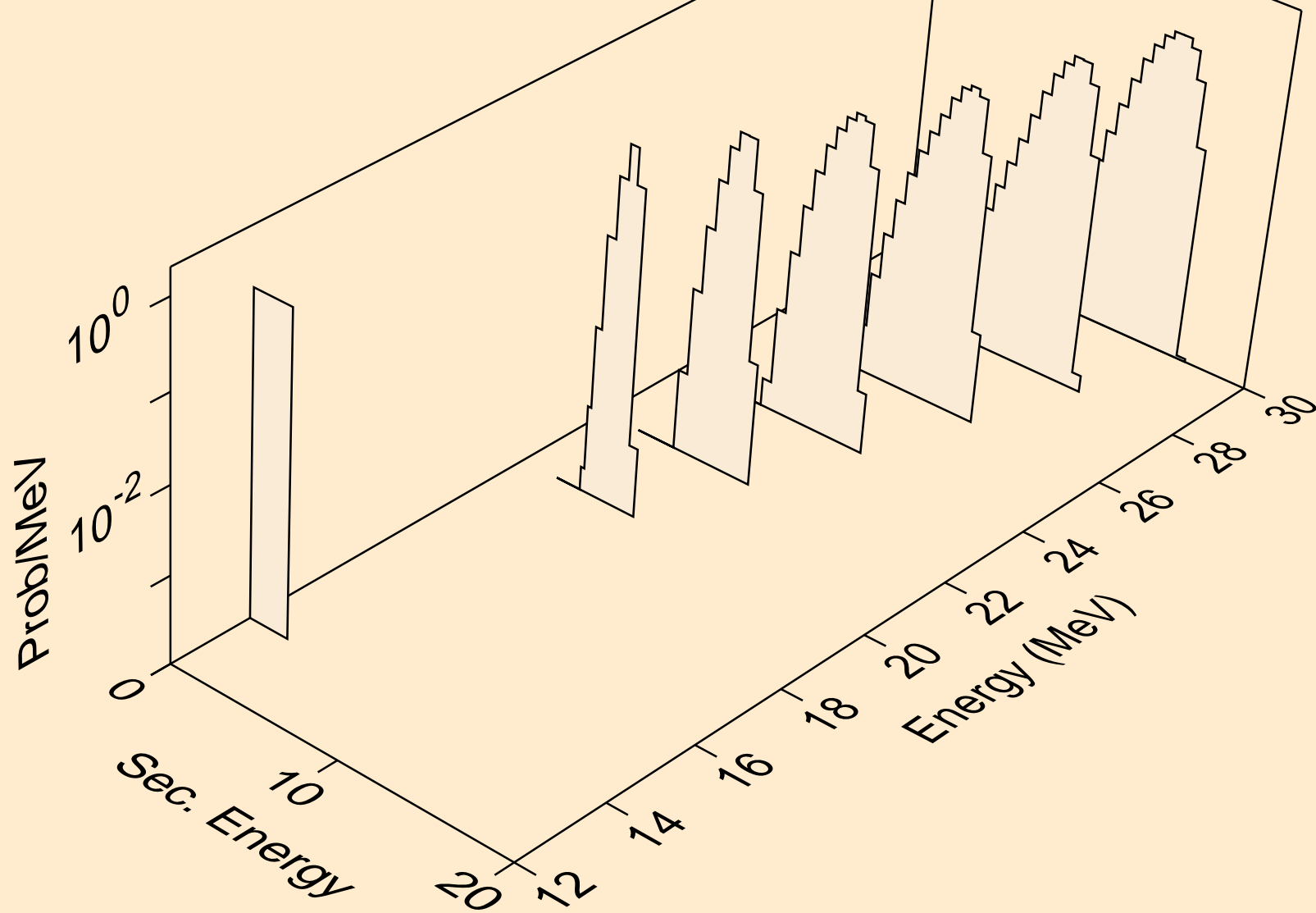
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



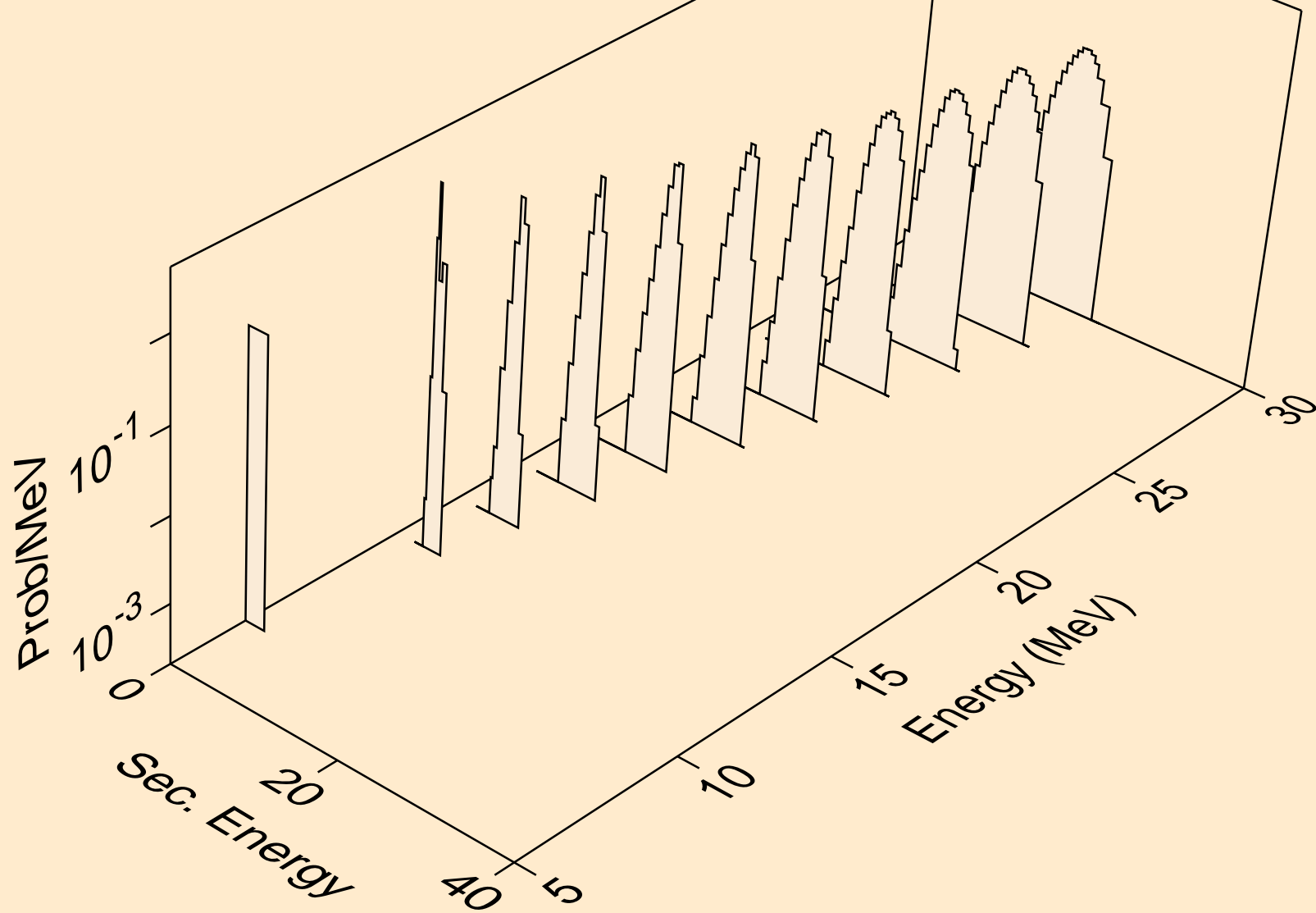
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



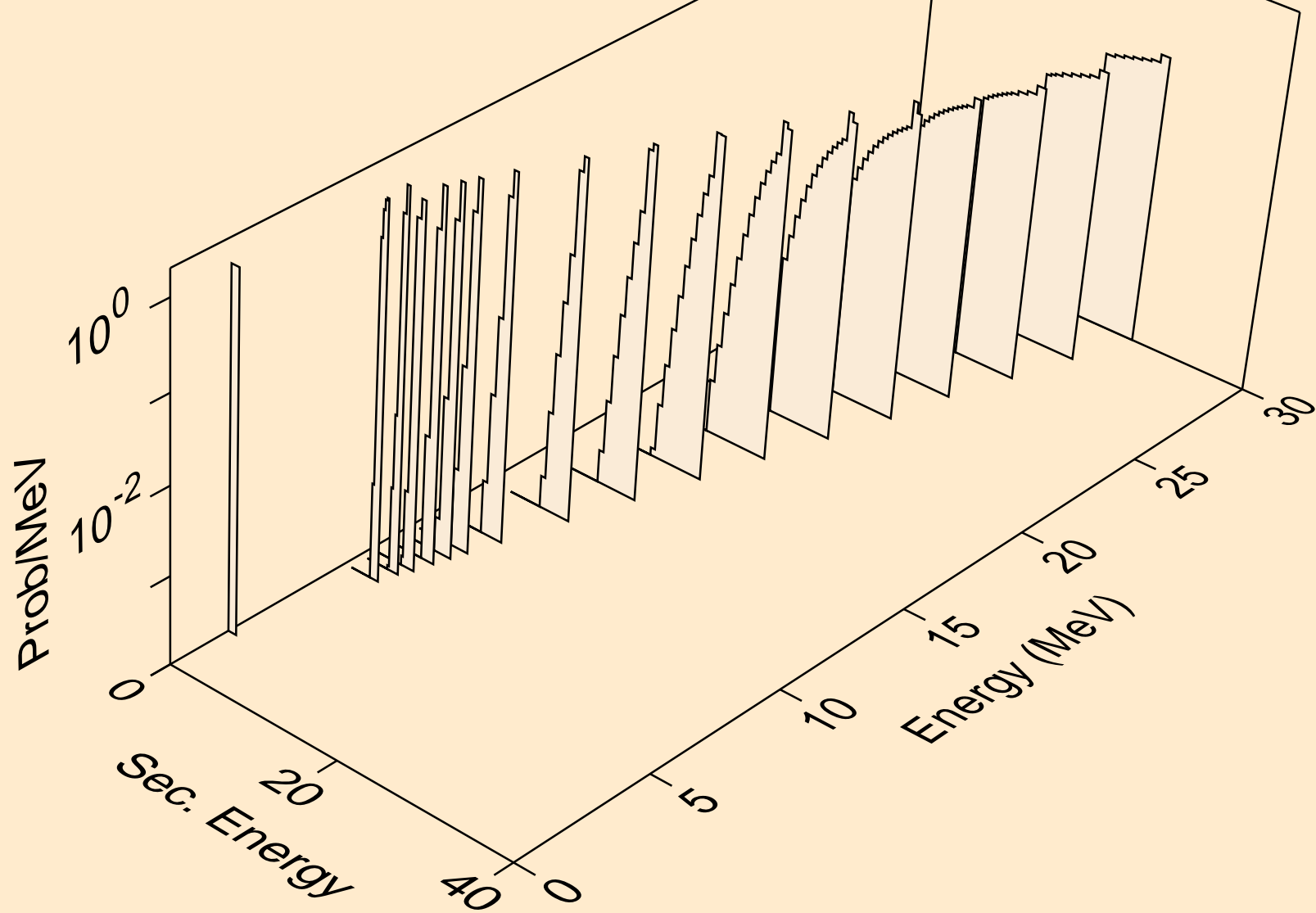
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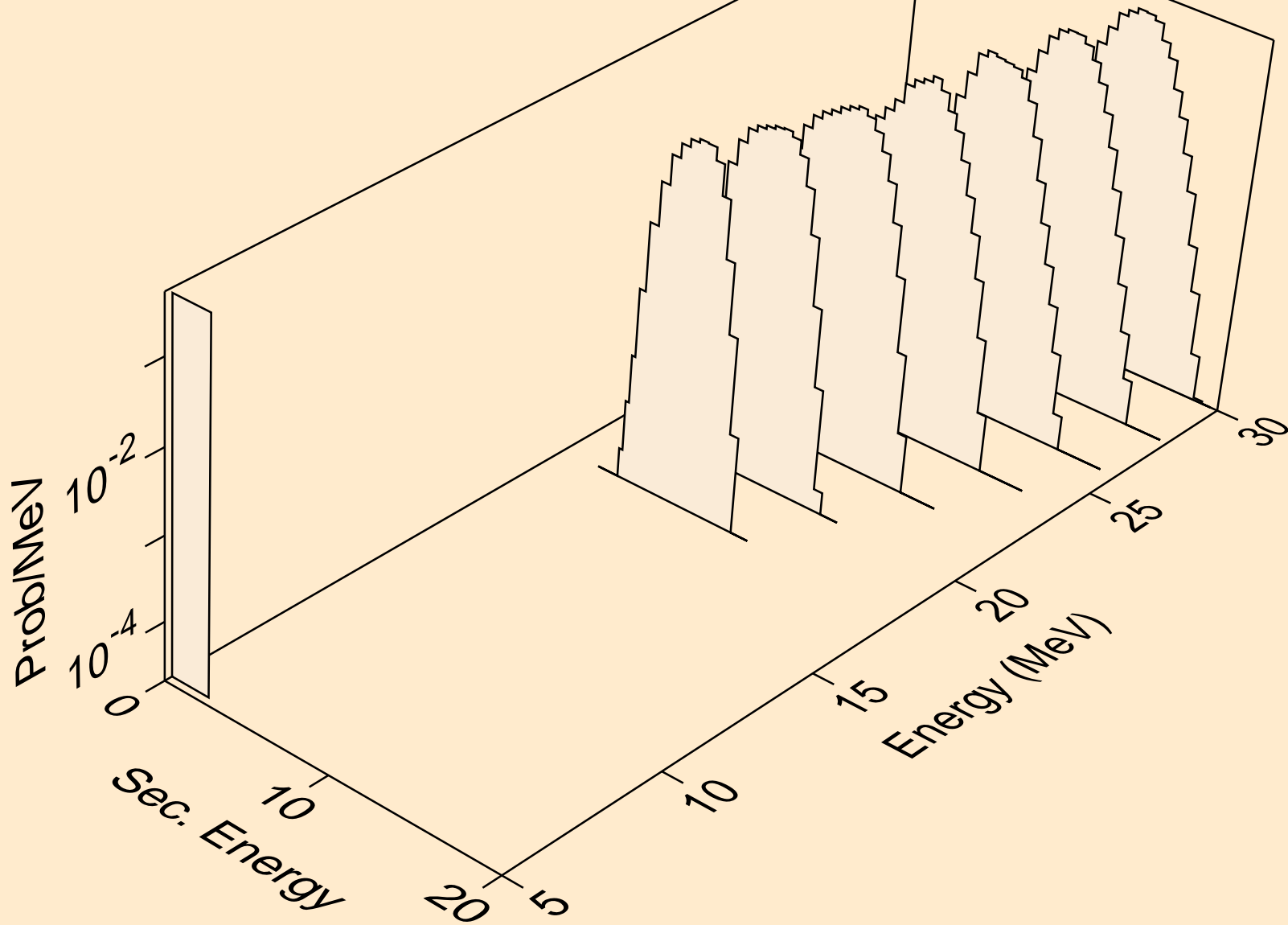
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



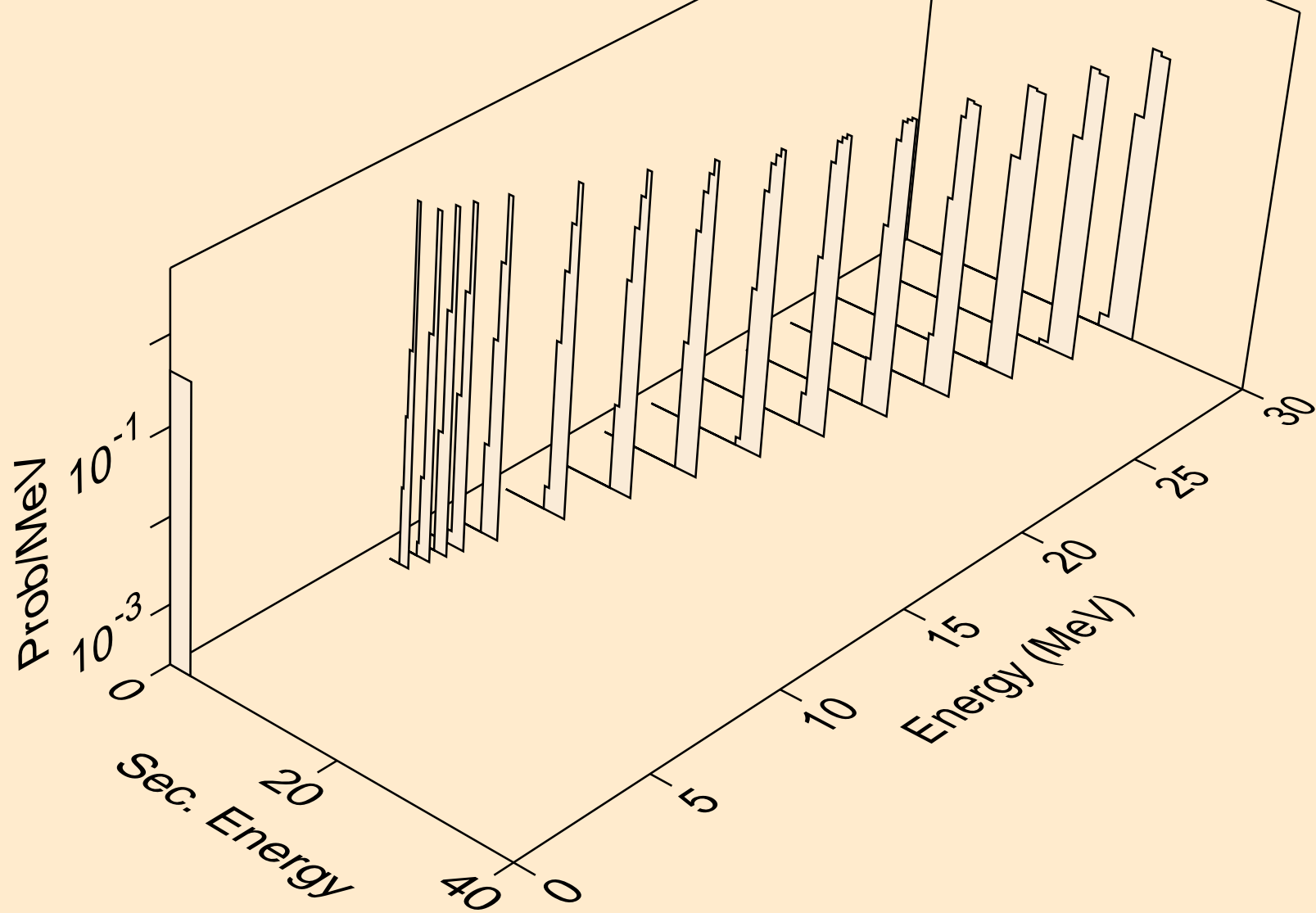
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deuterons from (n,d)



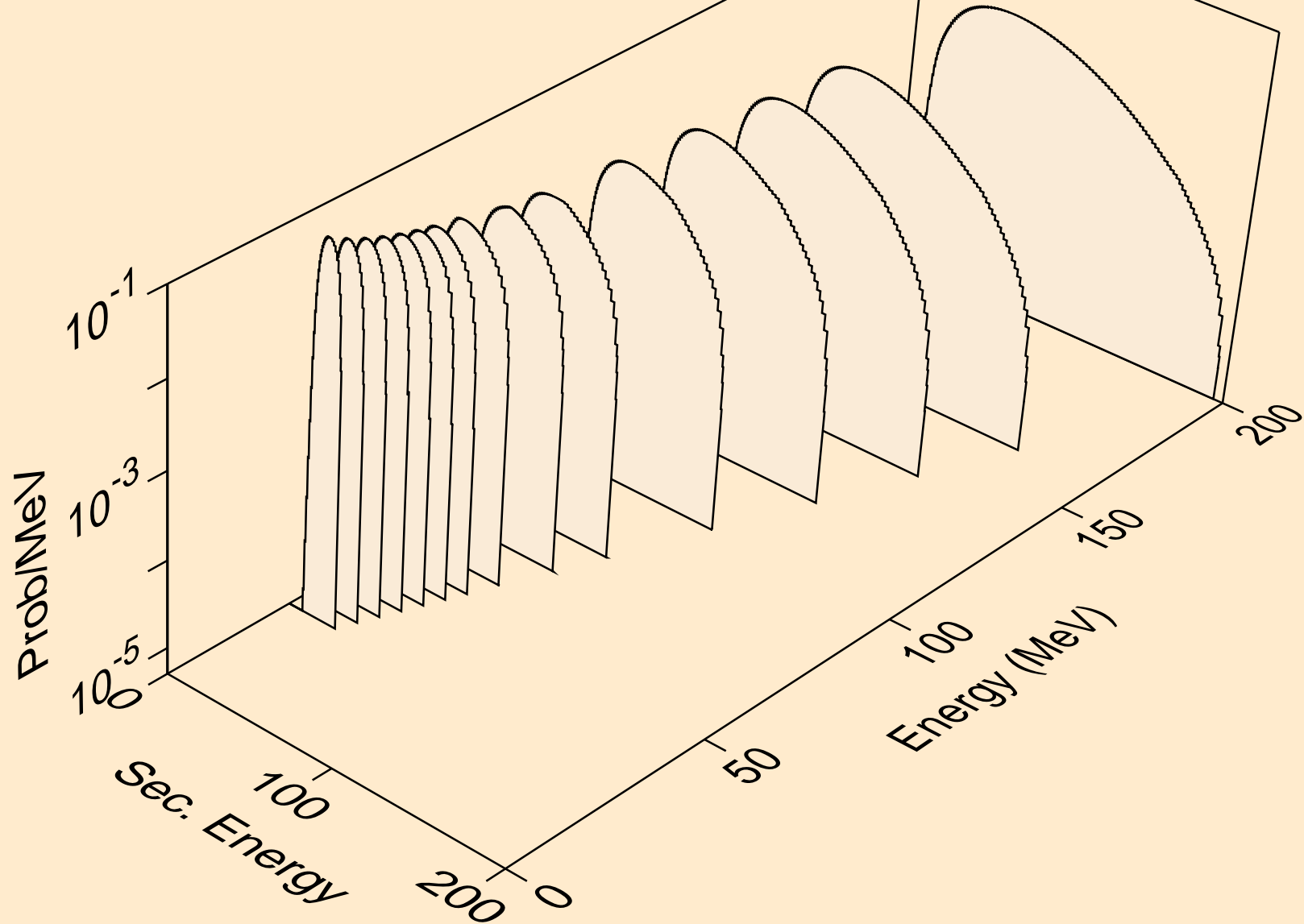
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deuterons from (n,pd)



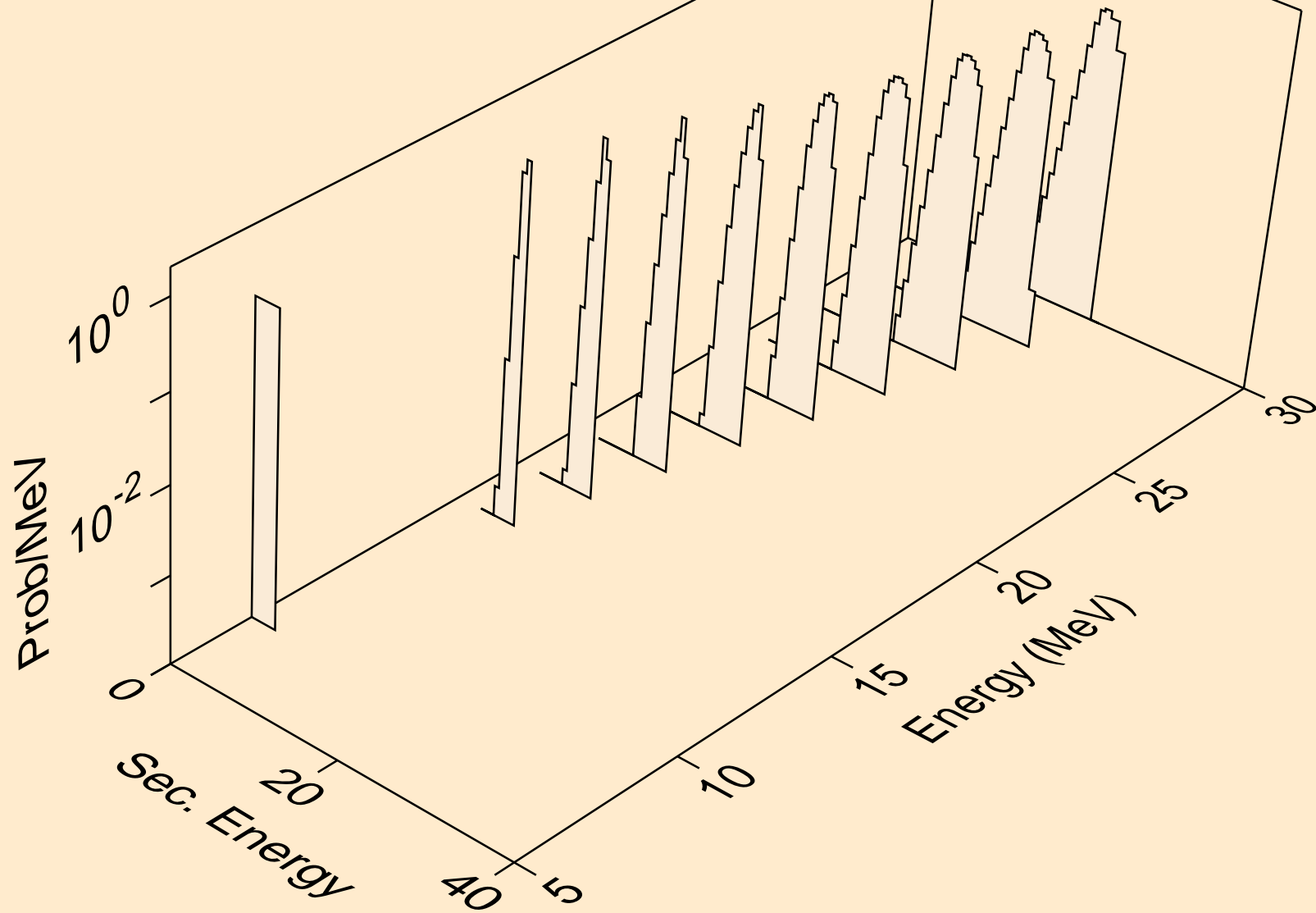
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deuterons from (n,da)



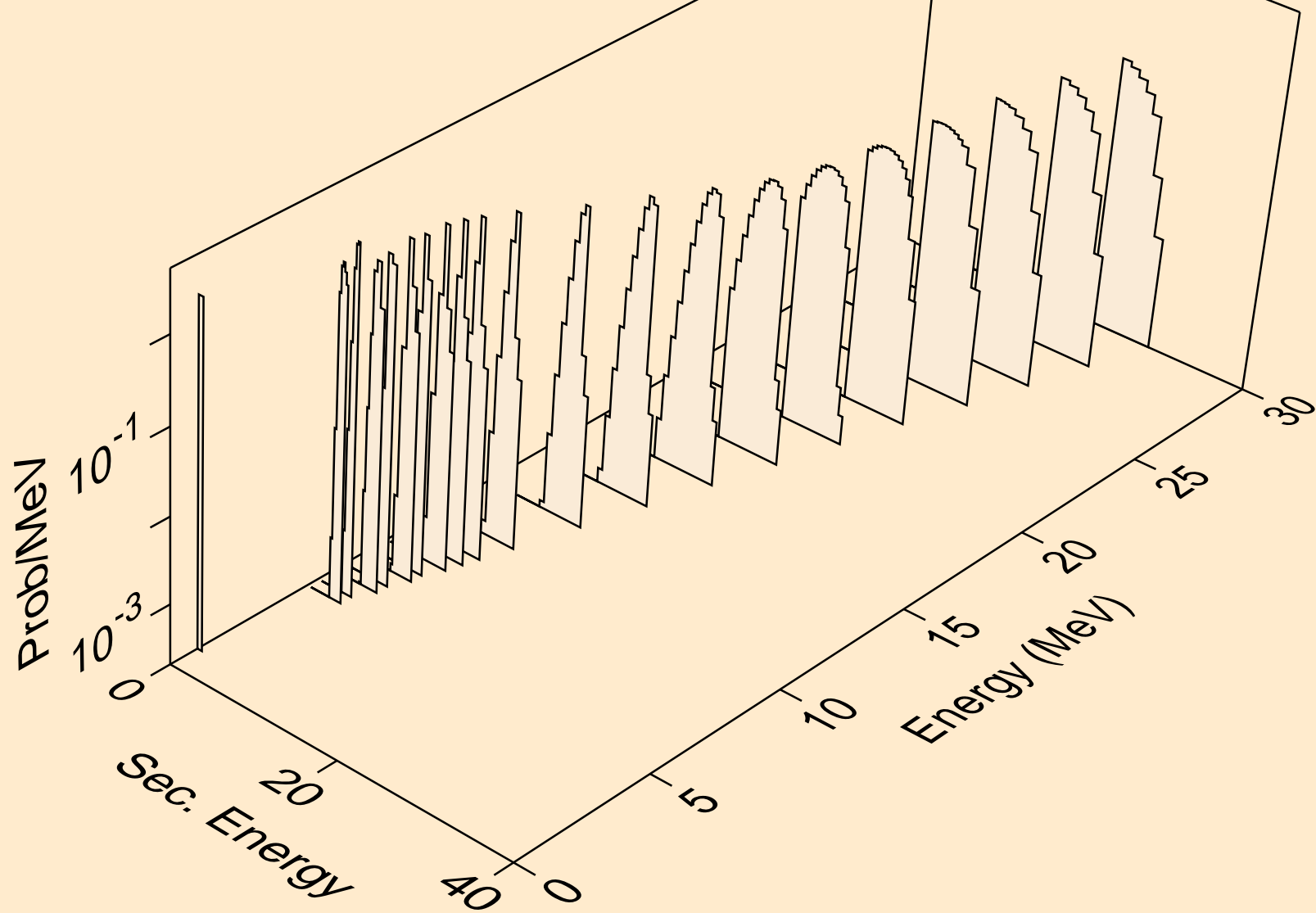
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tritons from (n,x)



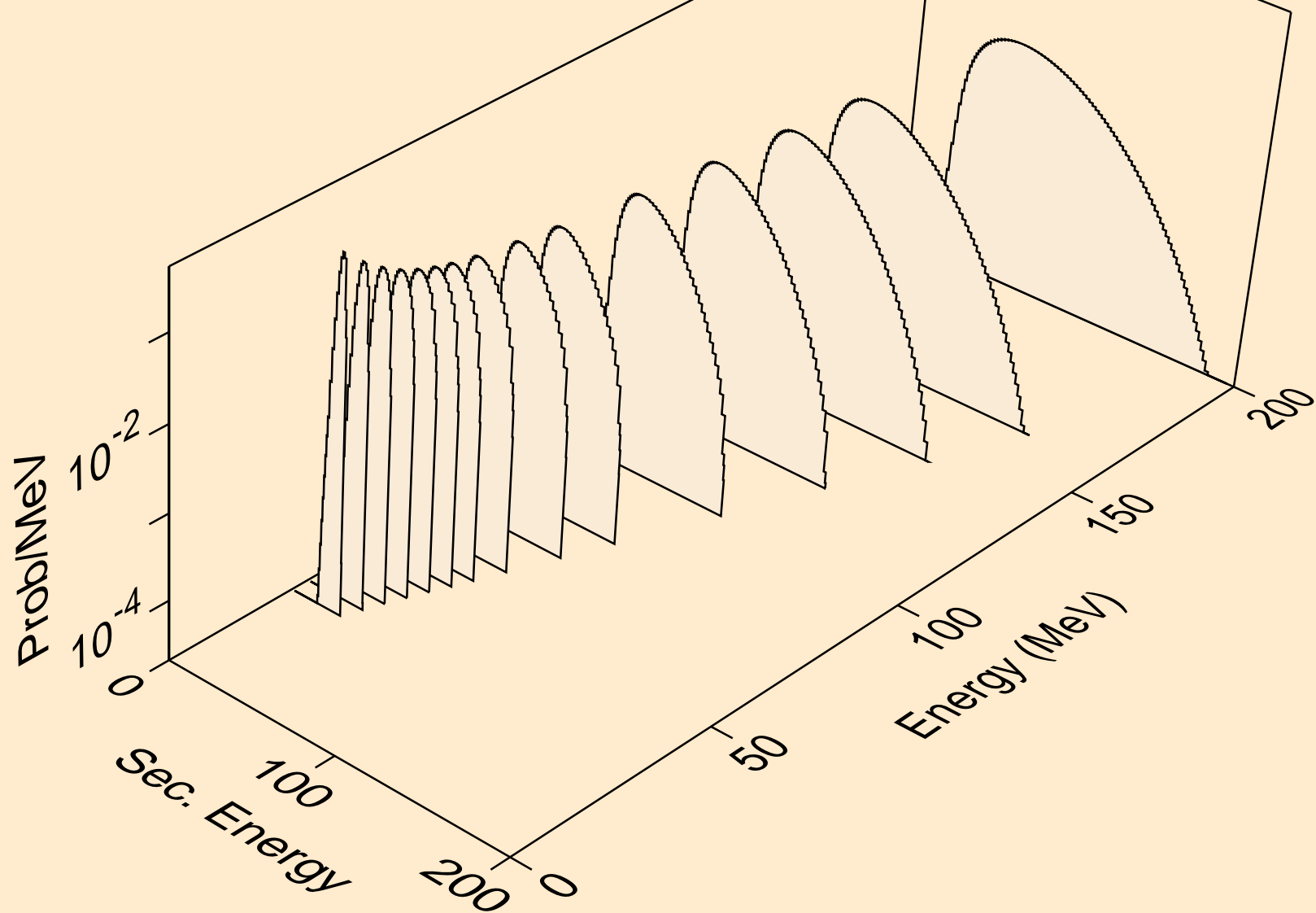
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



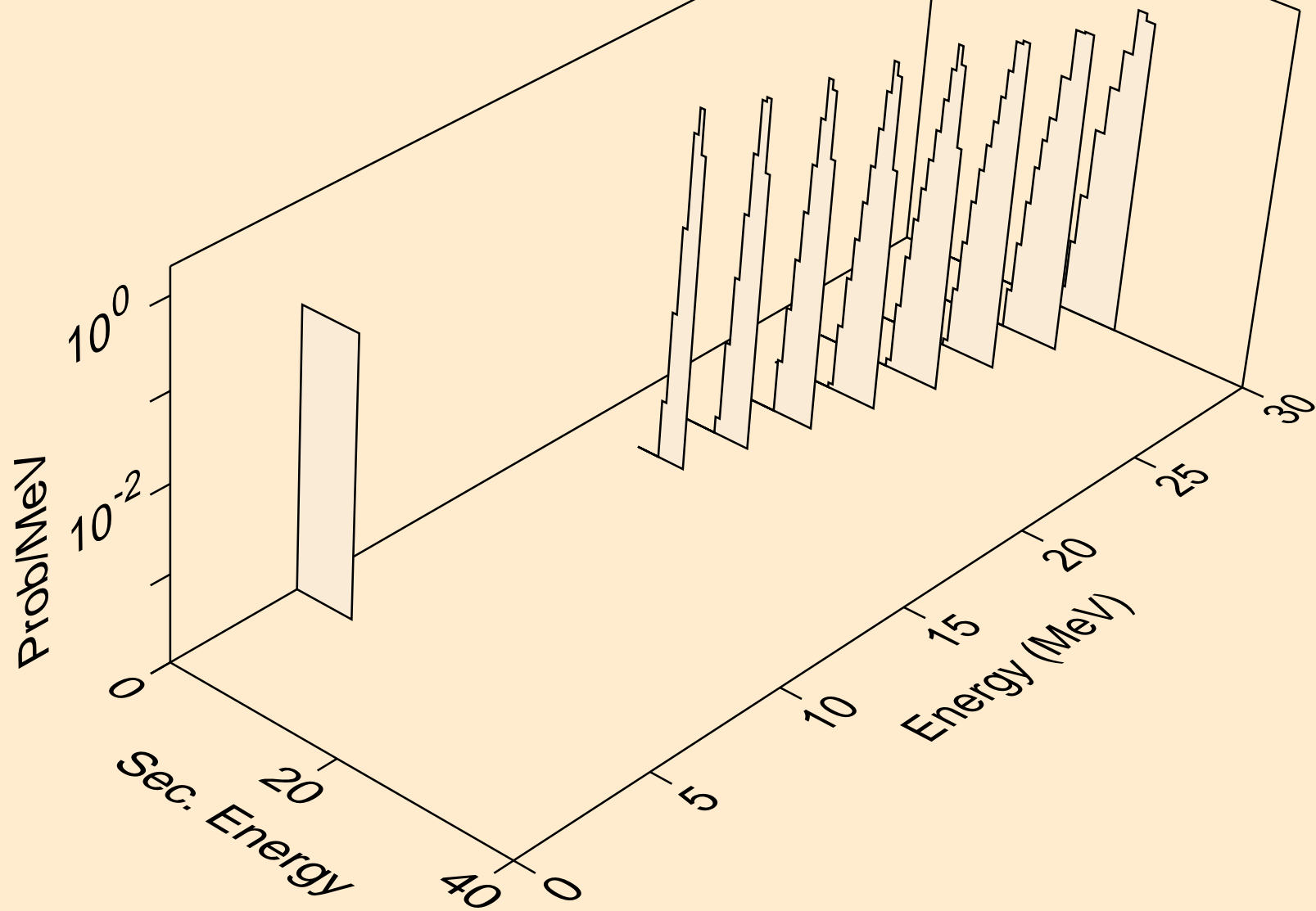
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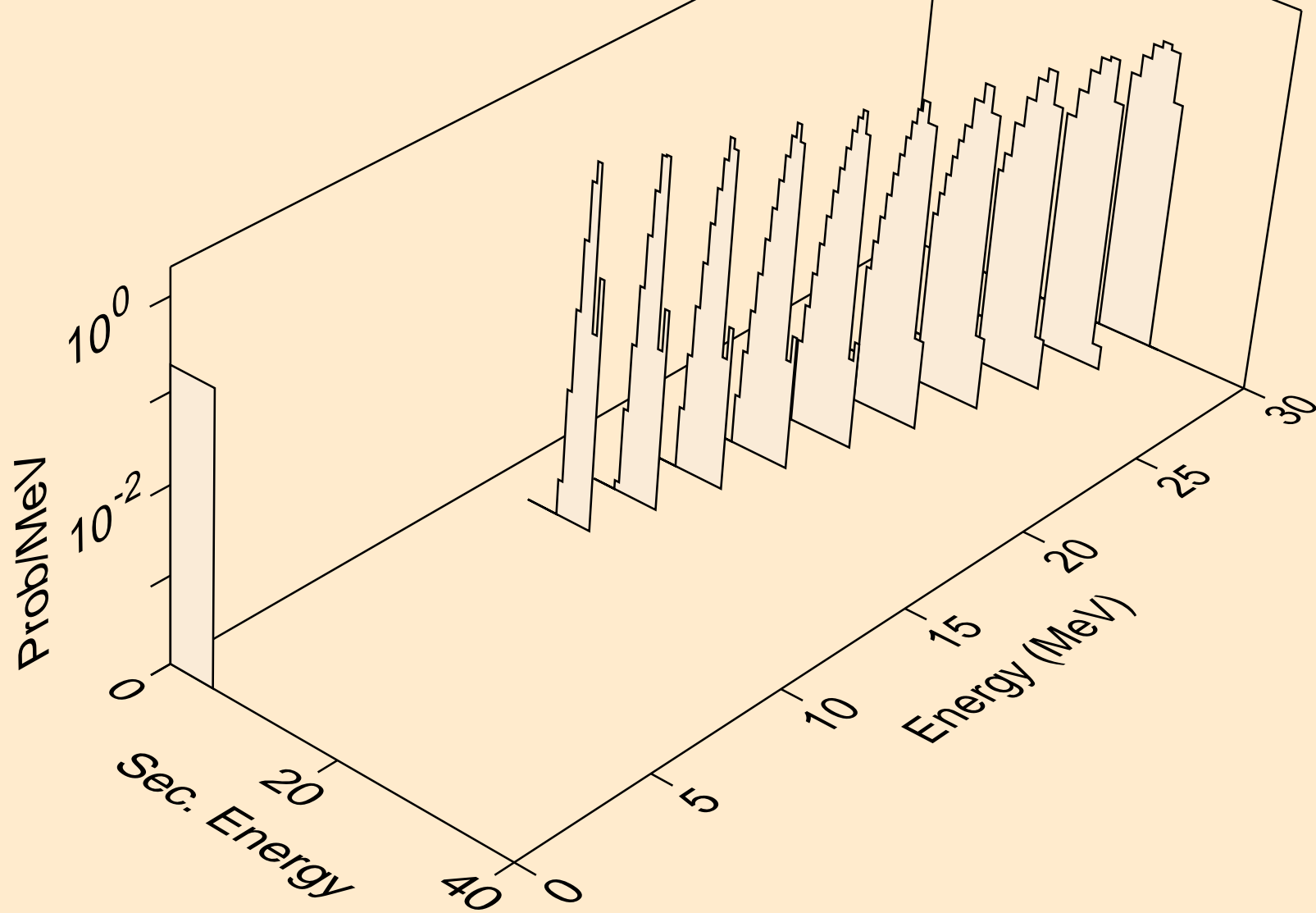
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he3s from (n,x)



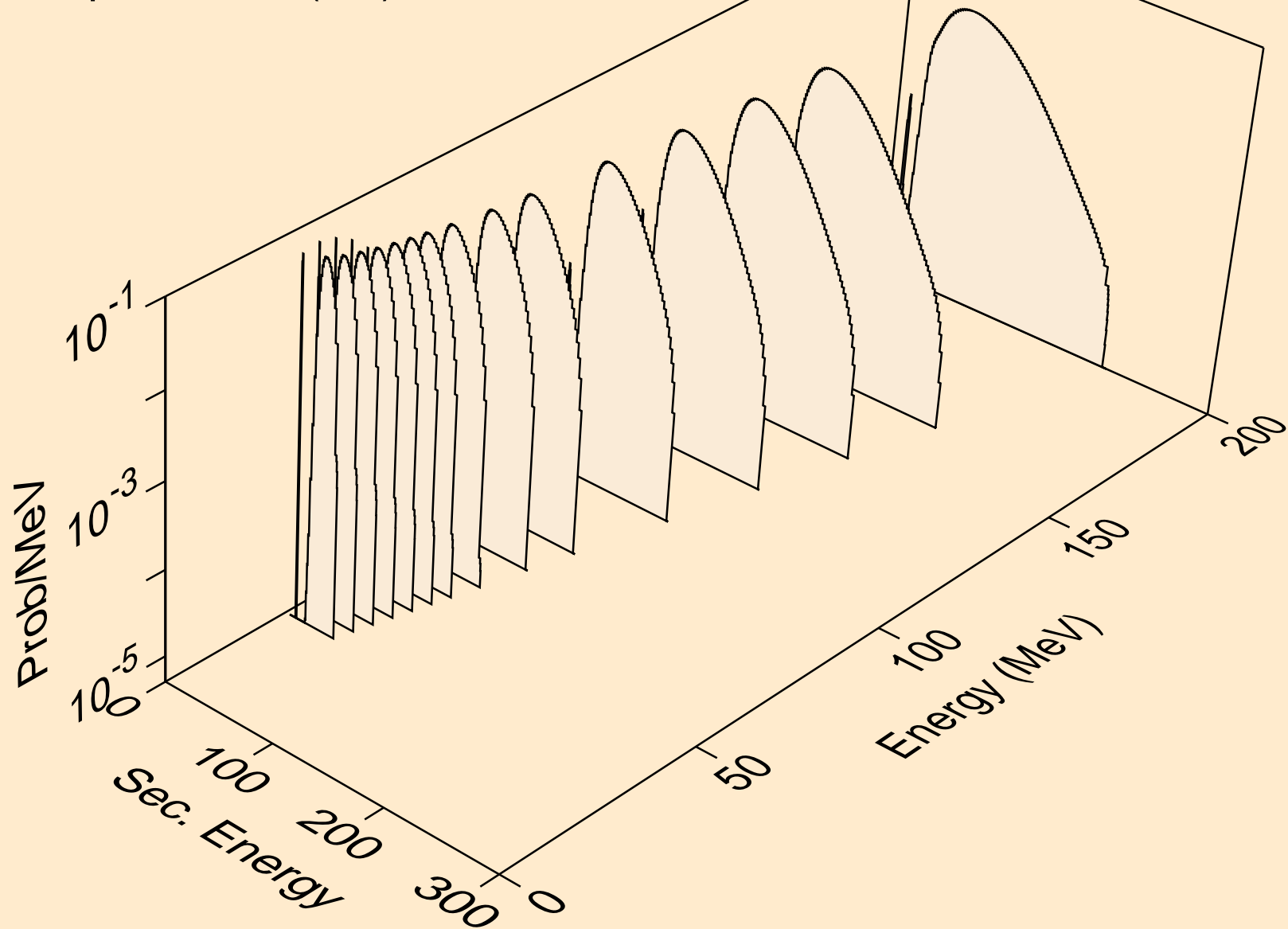
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he3s from (n,n\*)he3



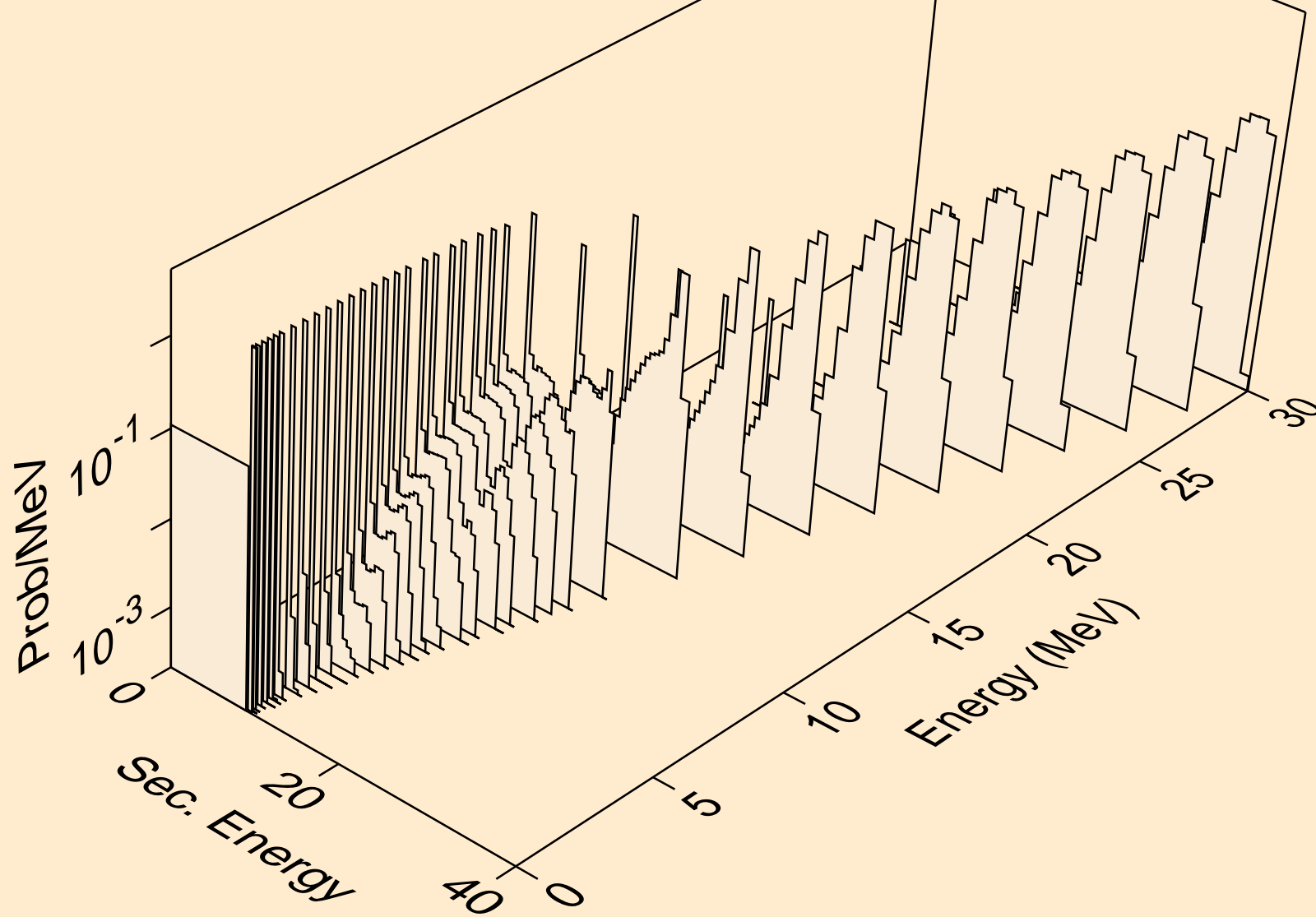
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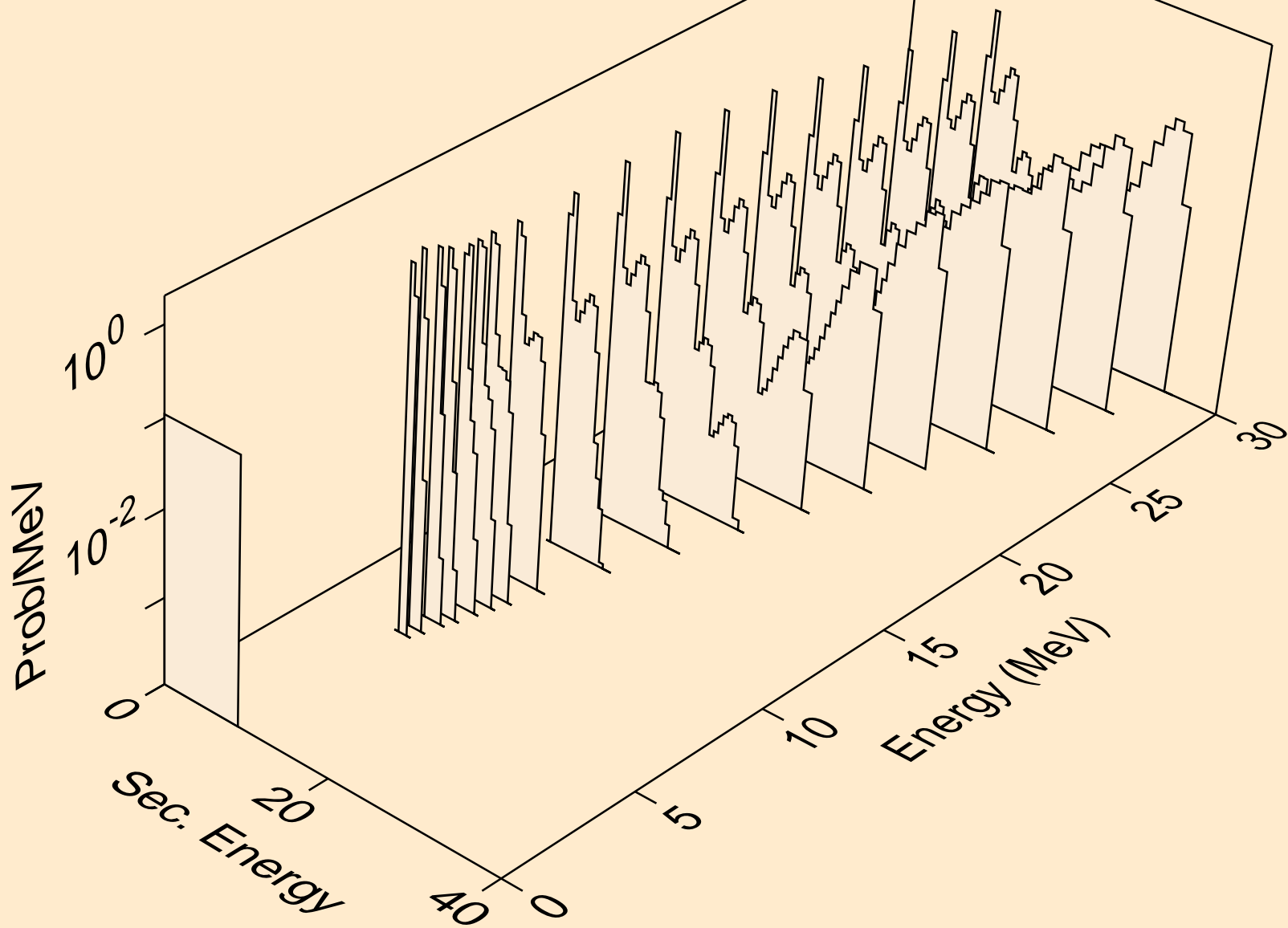
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



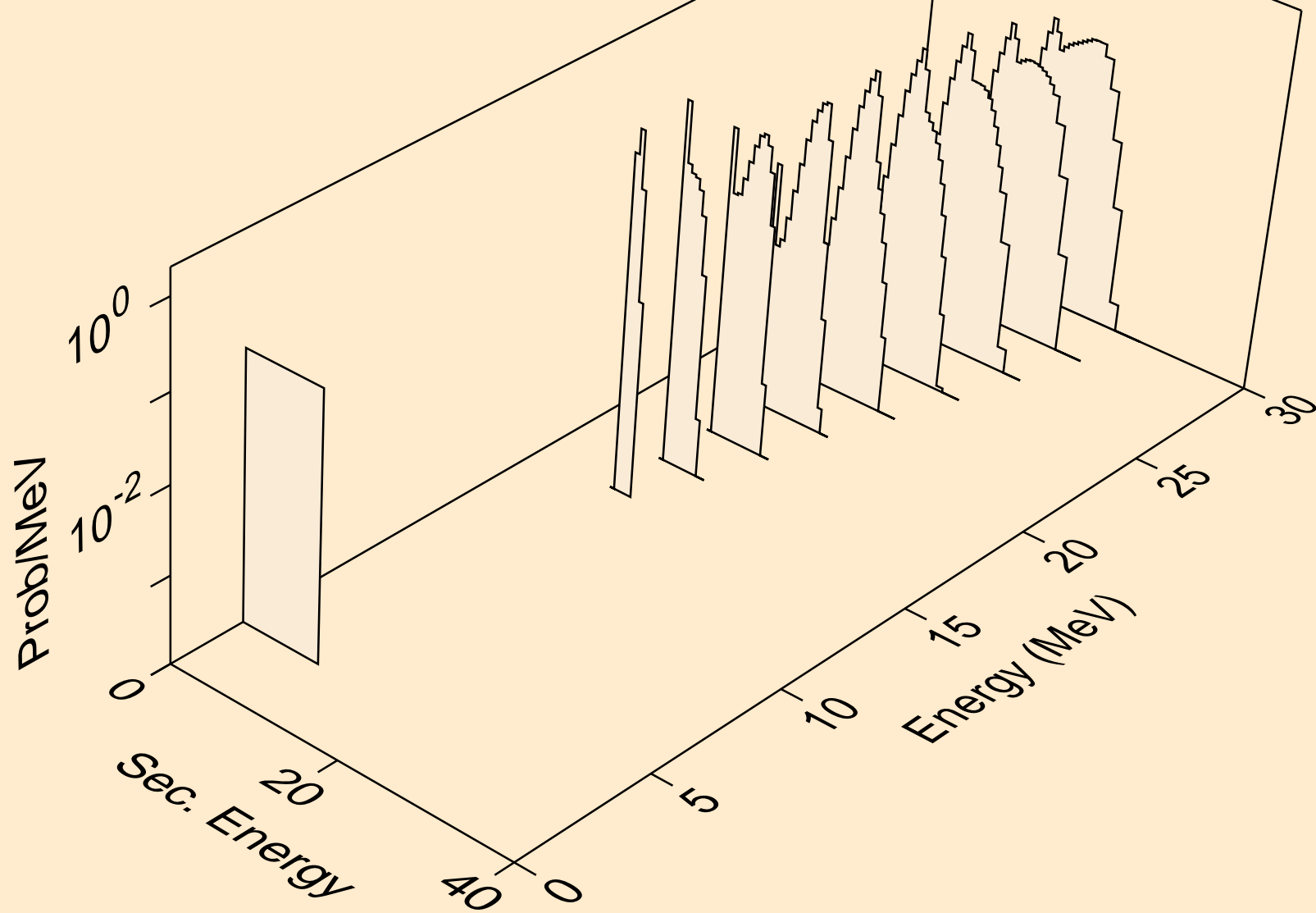
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



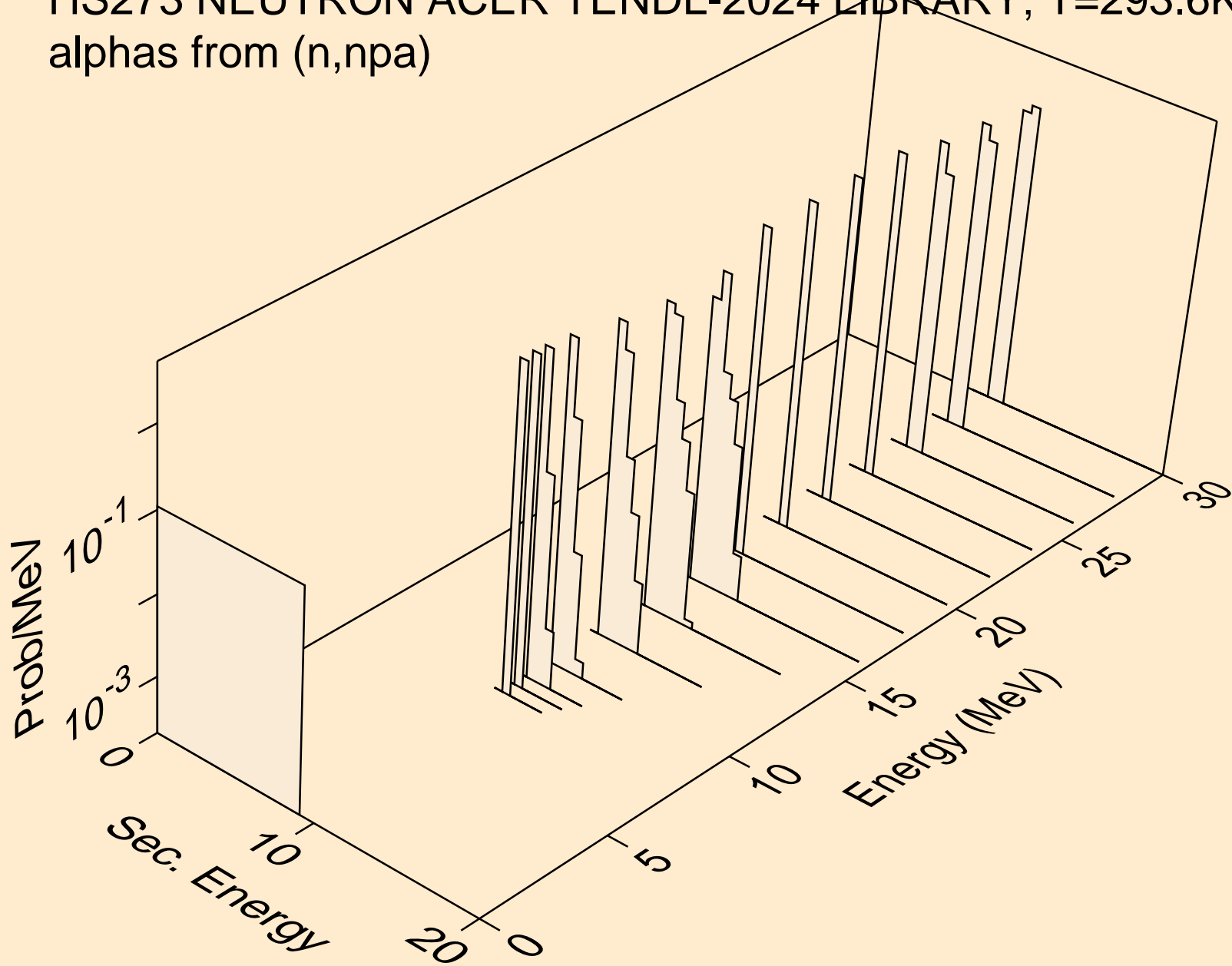
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



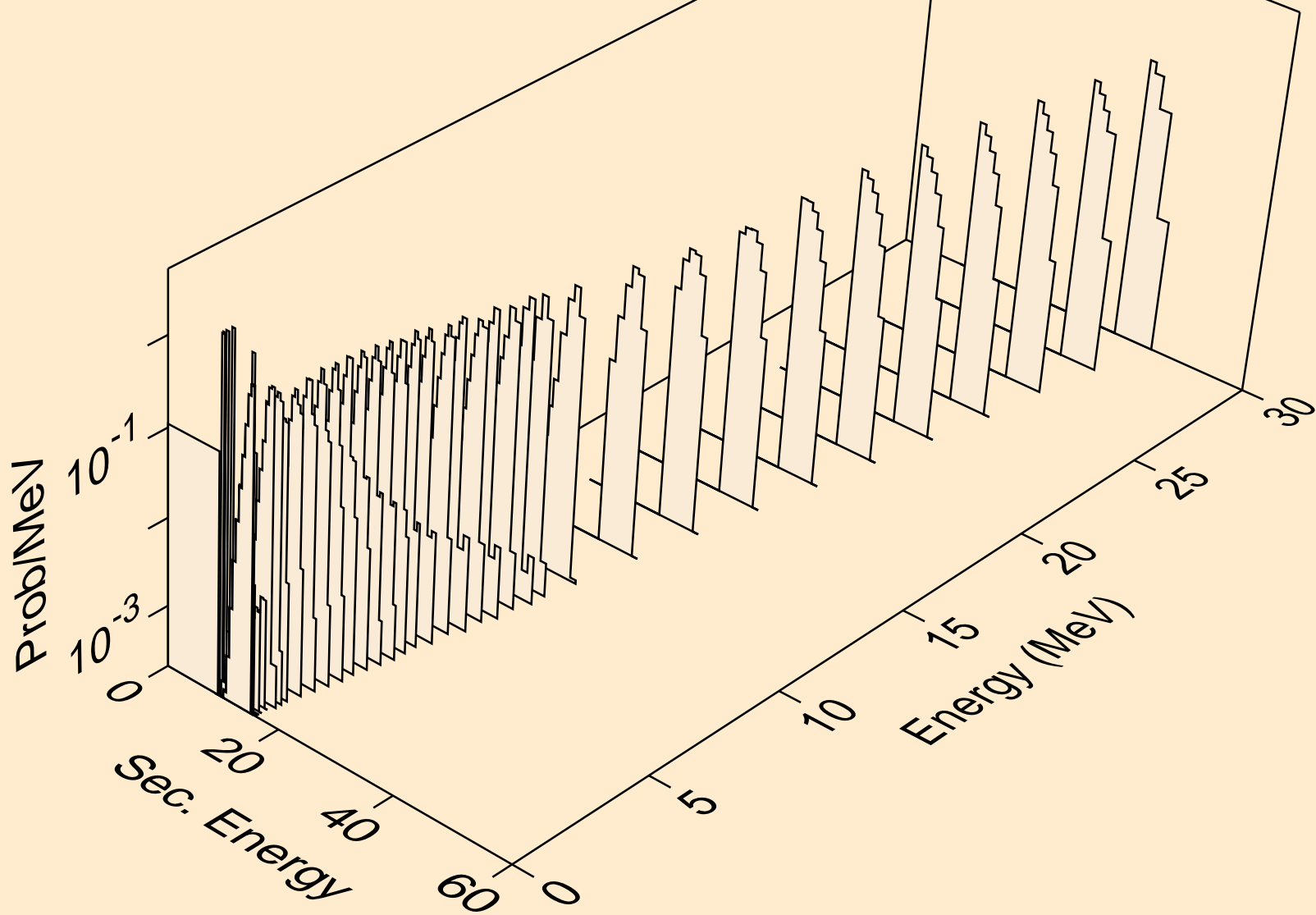
HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



HS273 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

