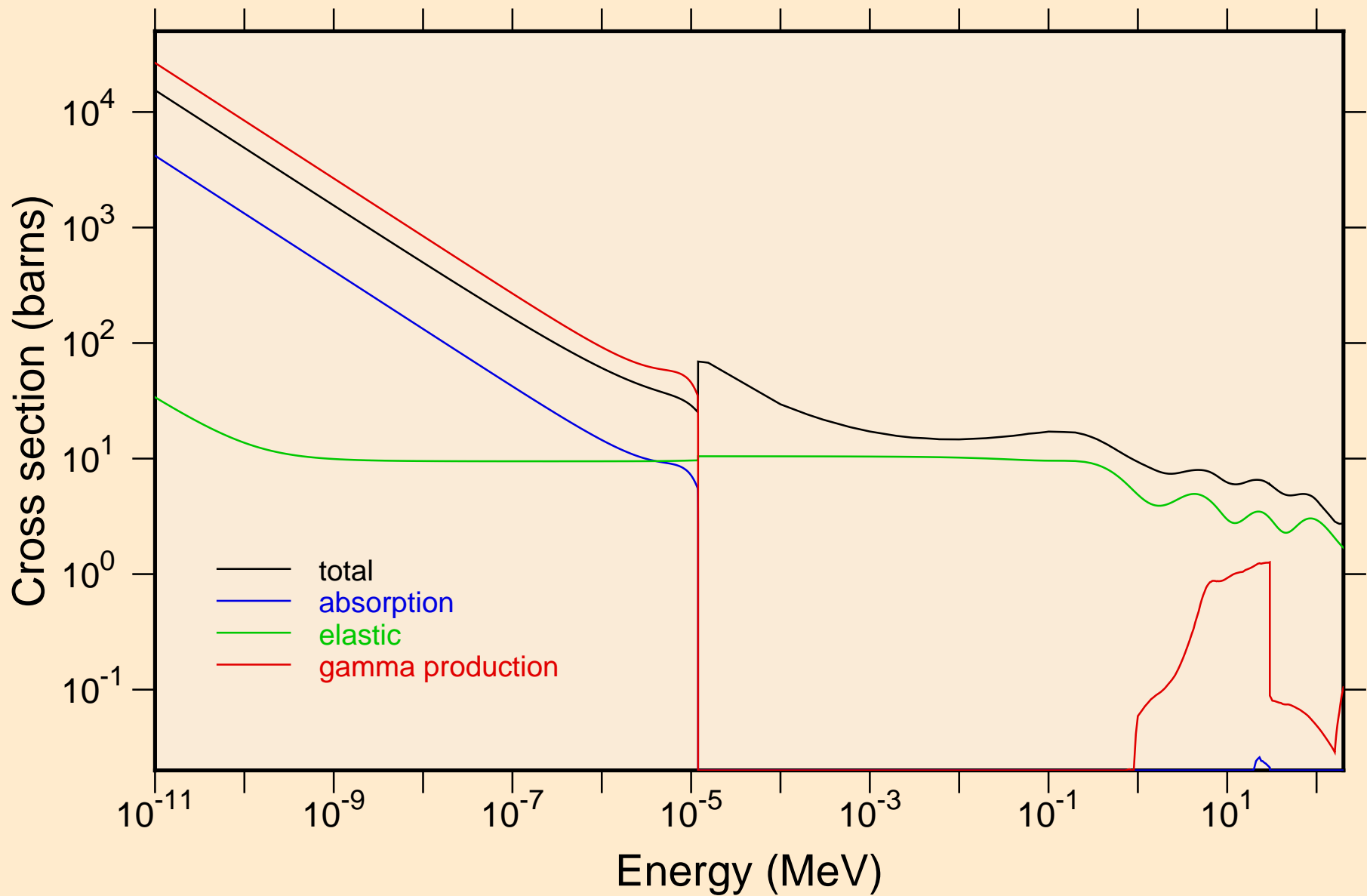
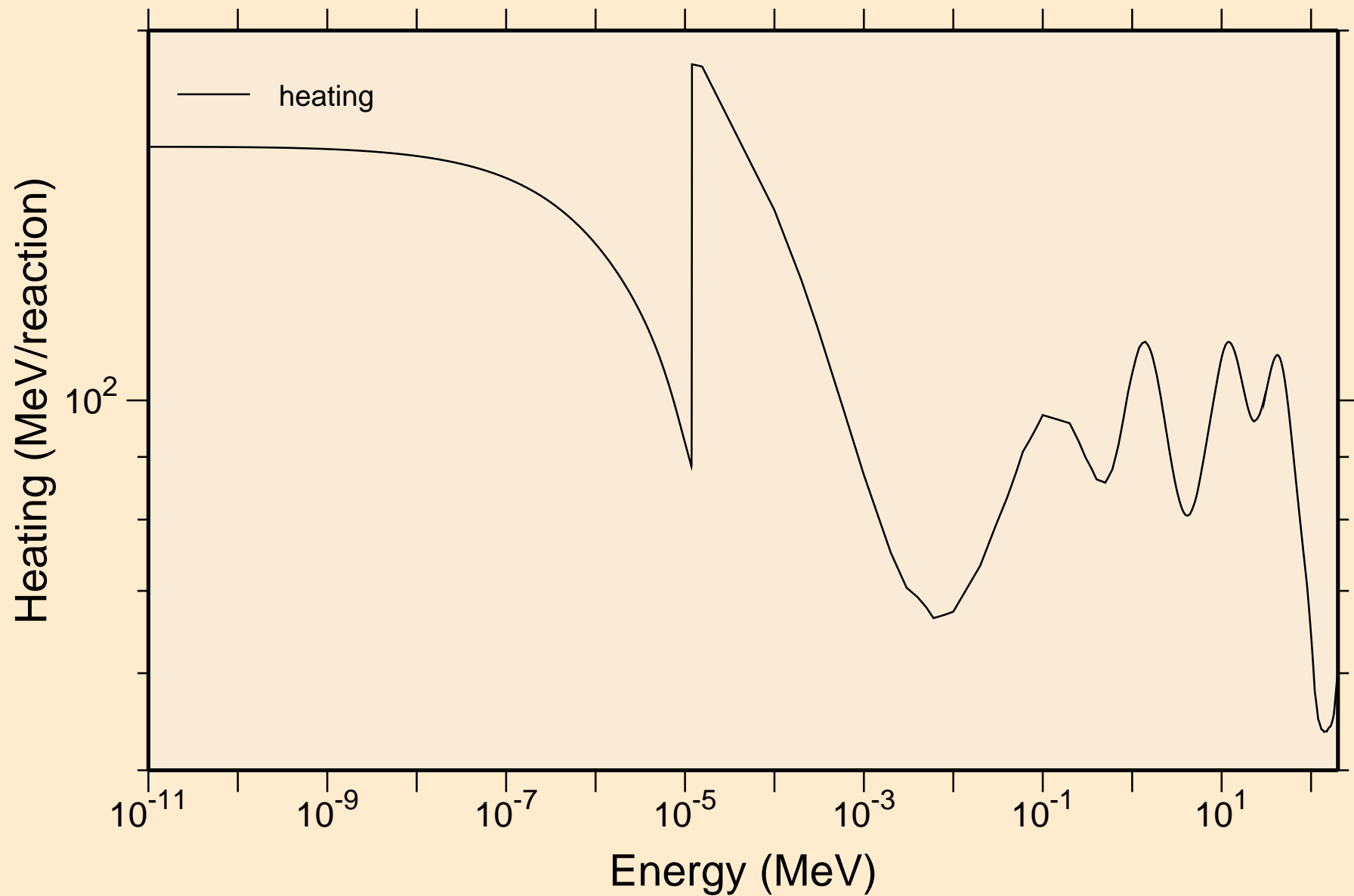


# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

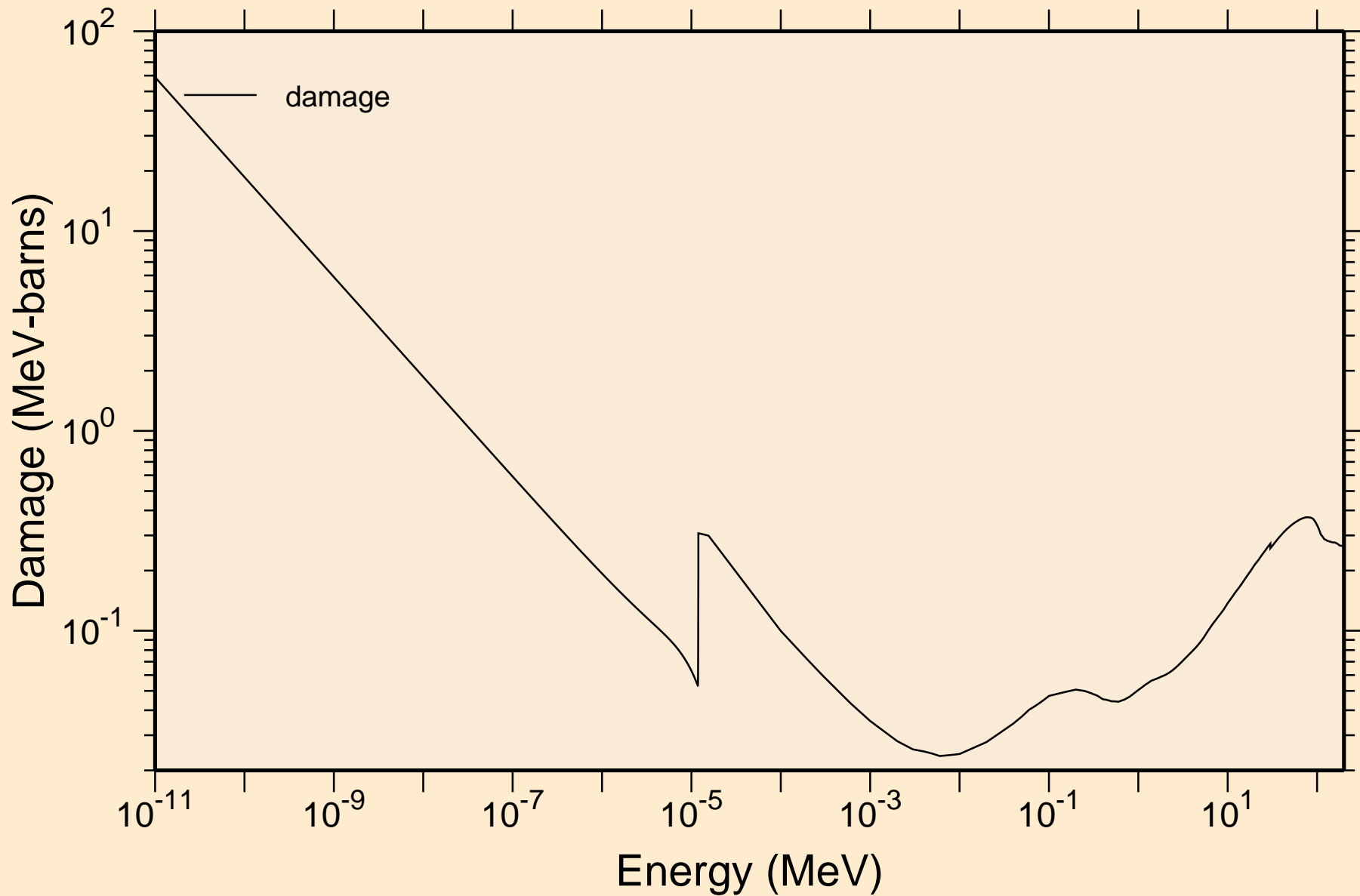
## Principal cross sections



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

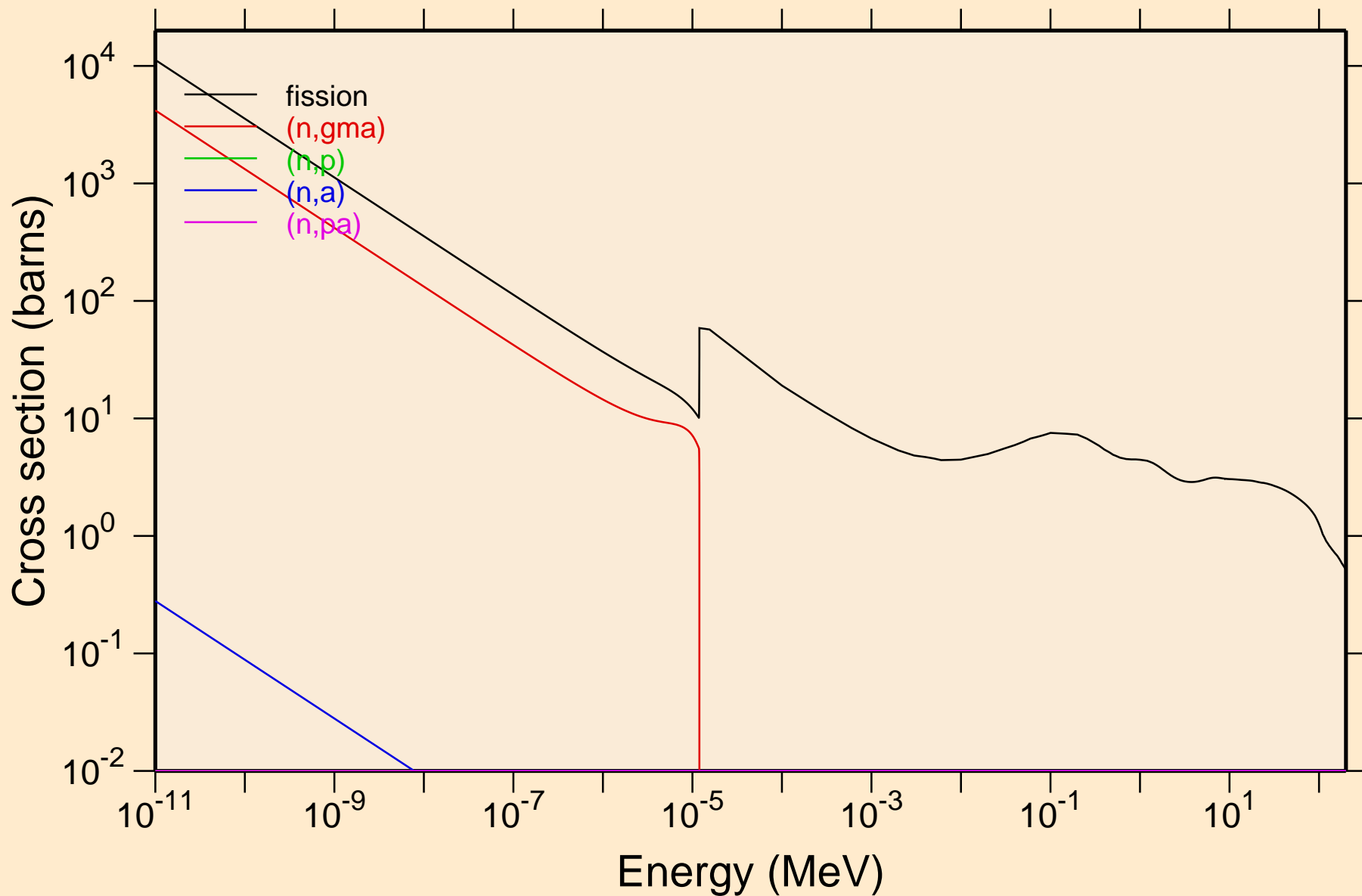


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

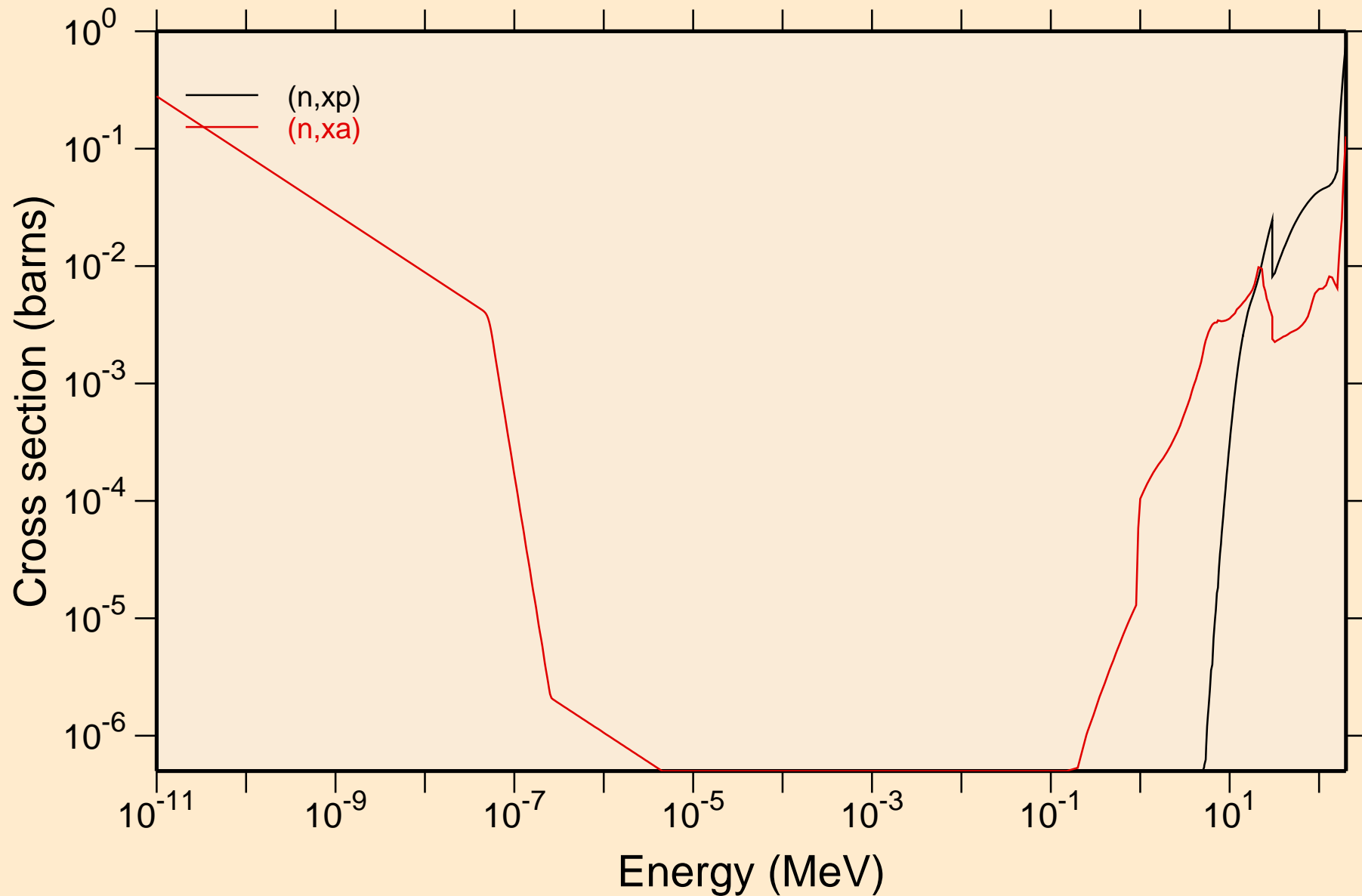


# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

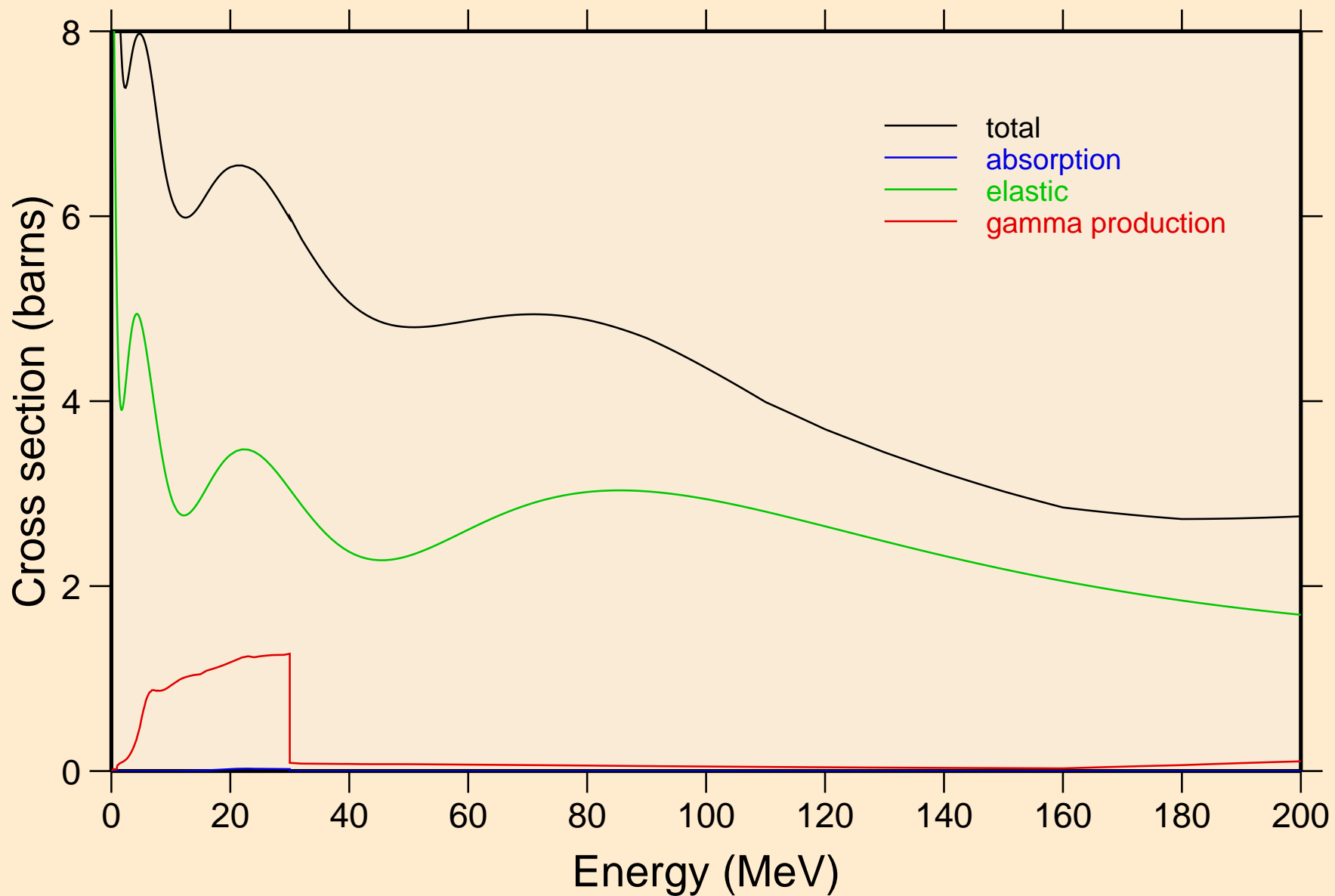
## Non-threshold reactions



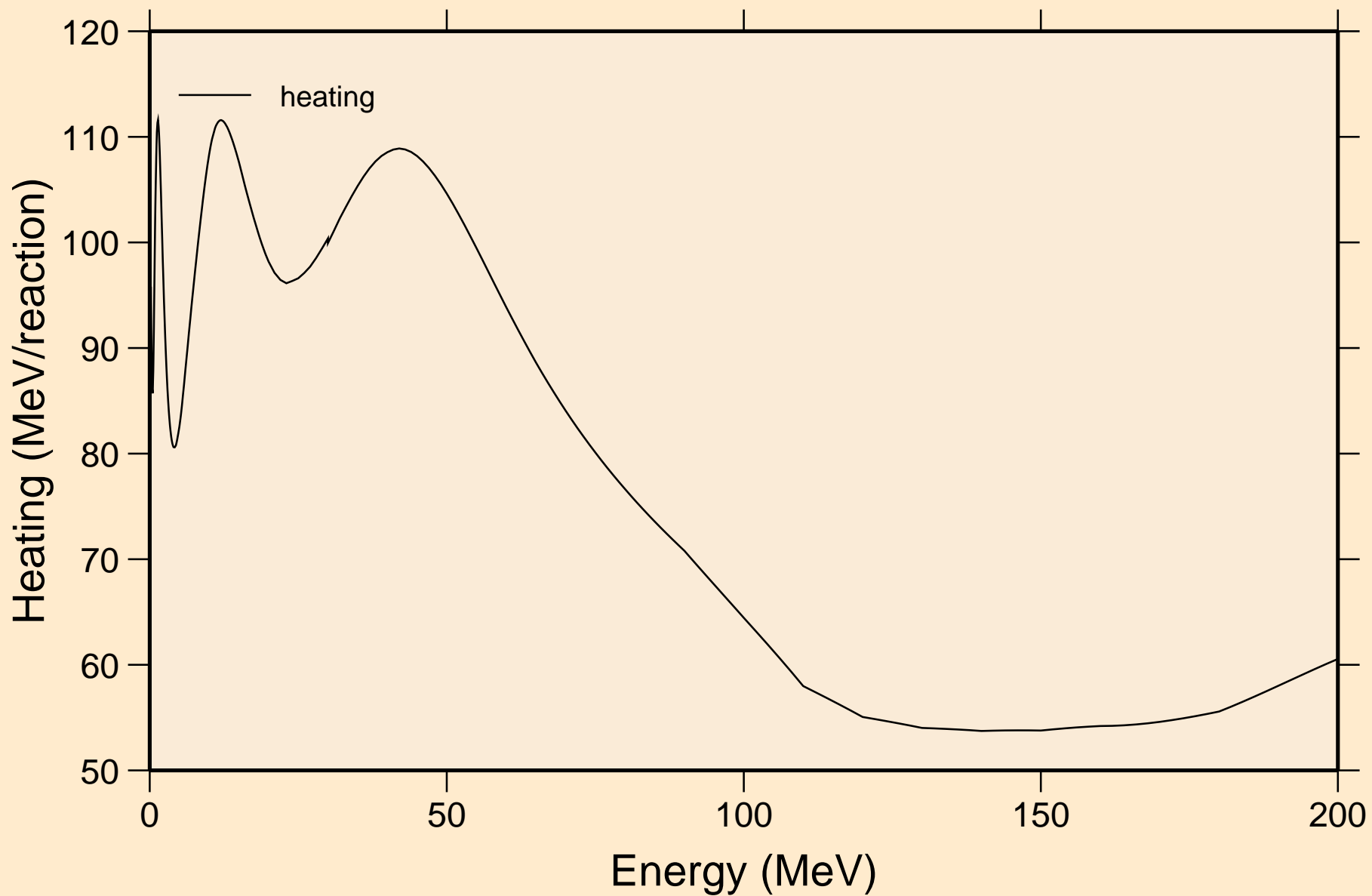
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



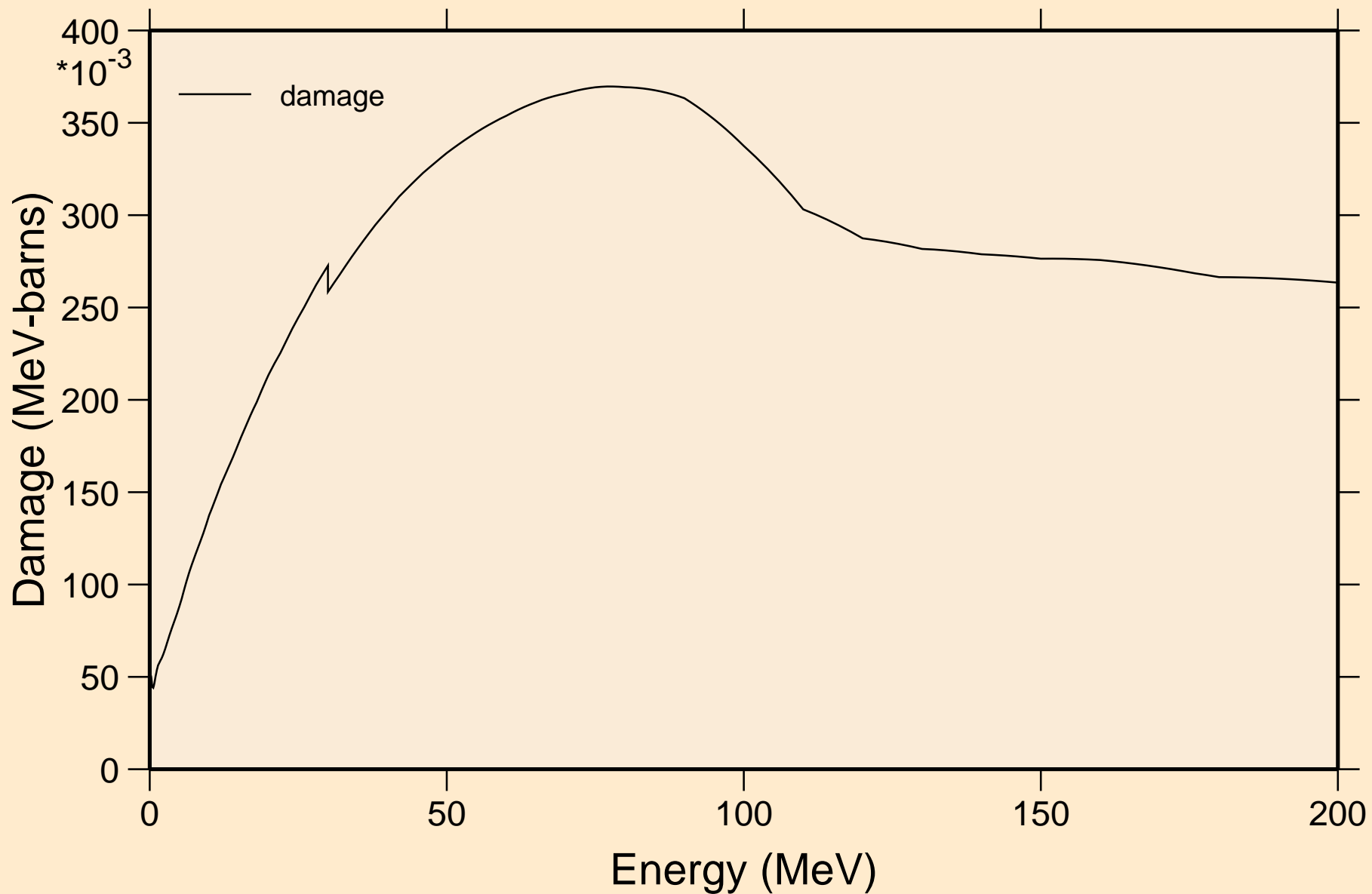
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



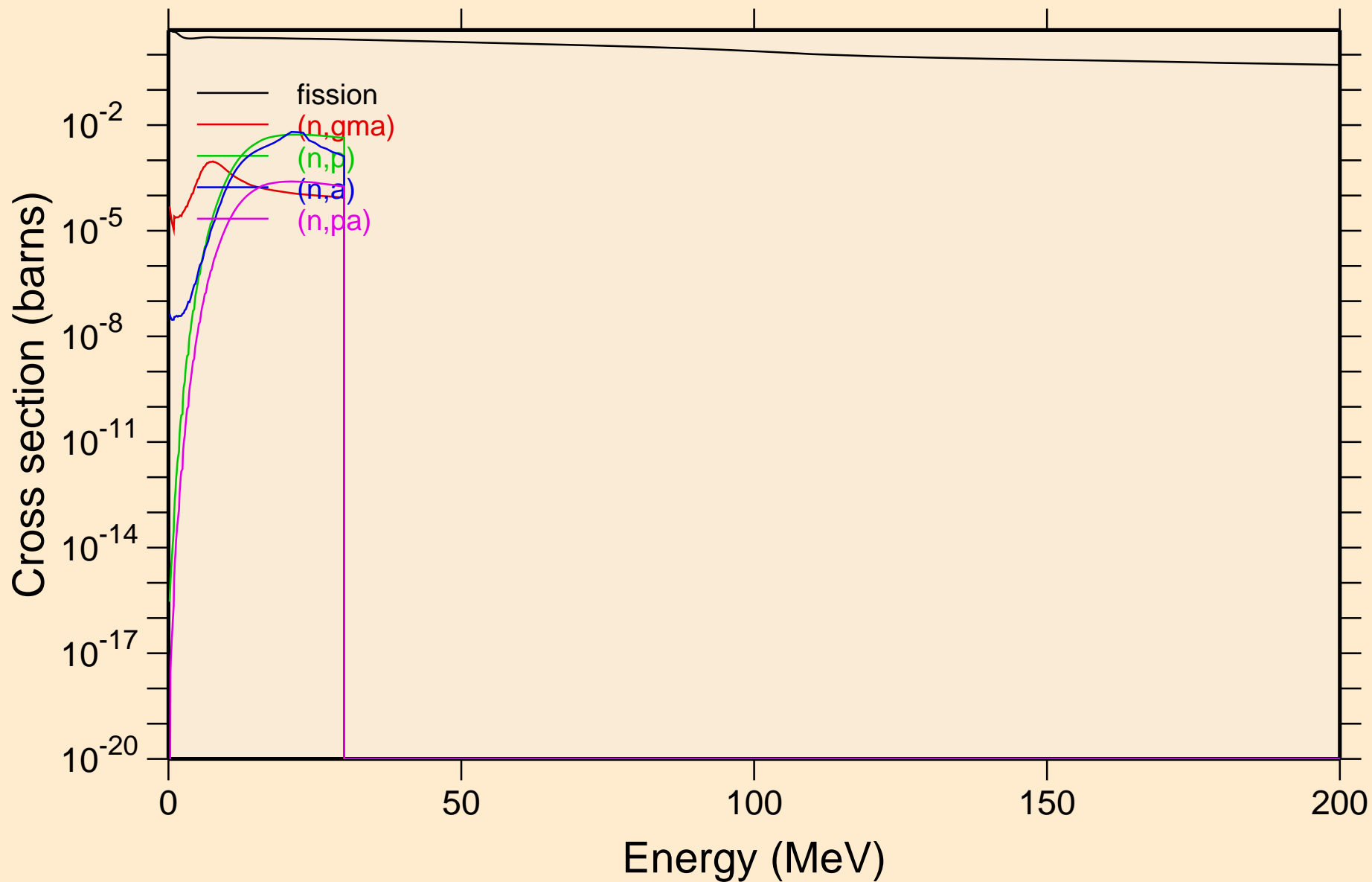
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



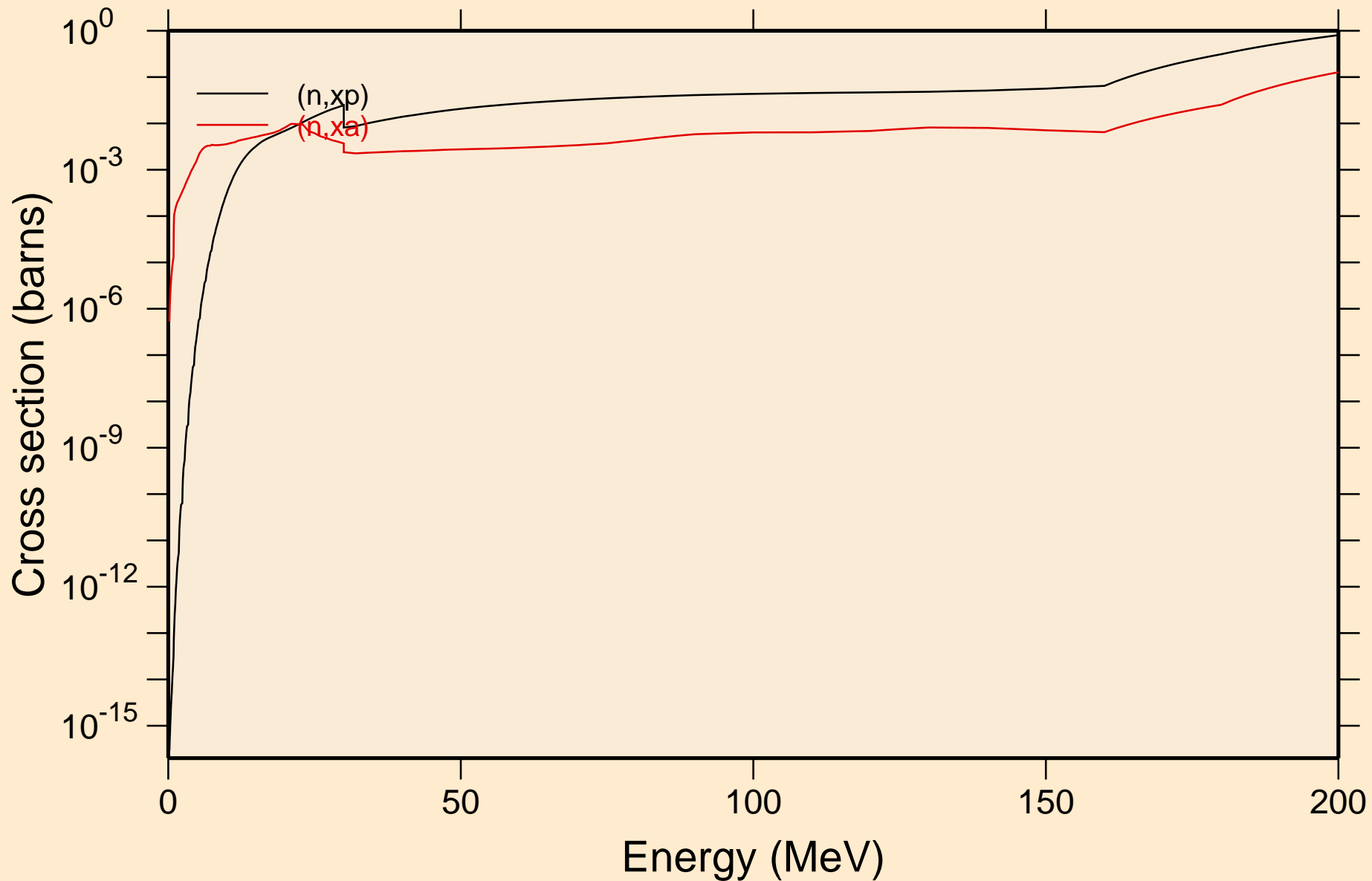


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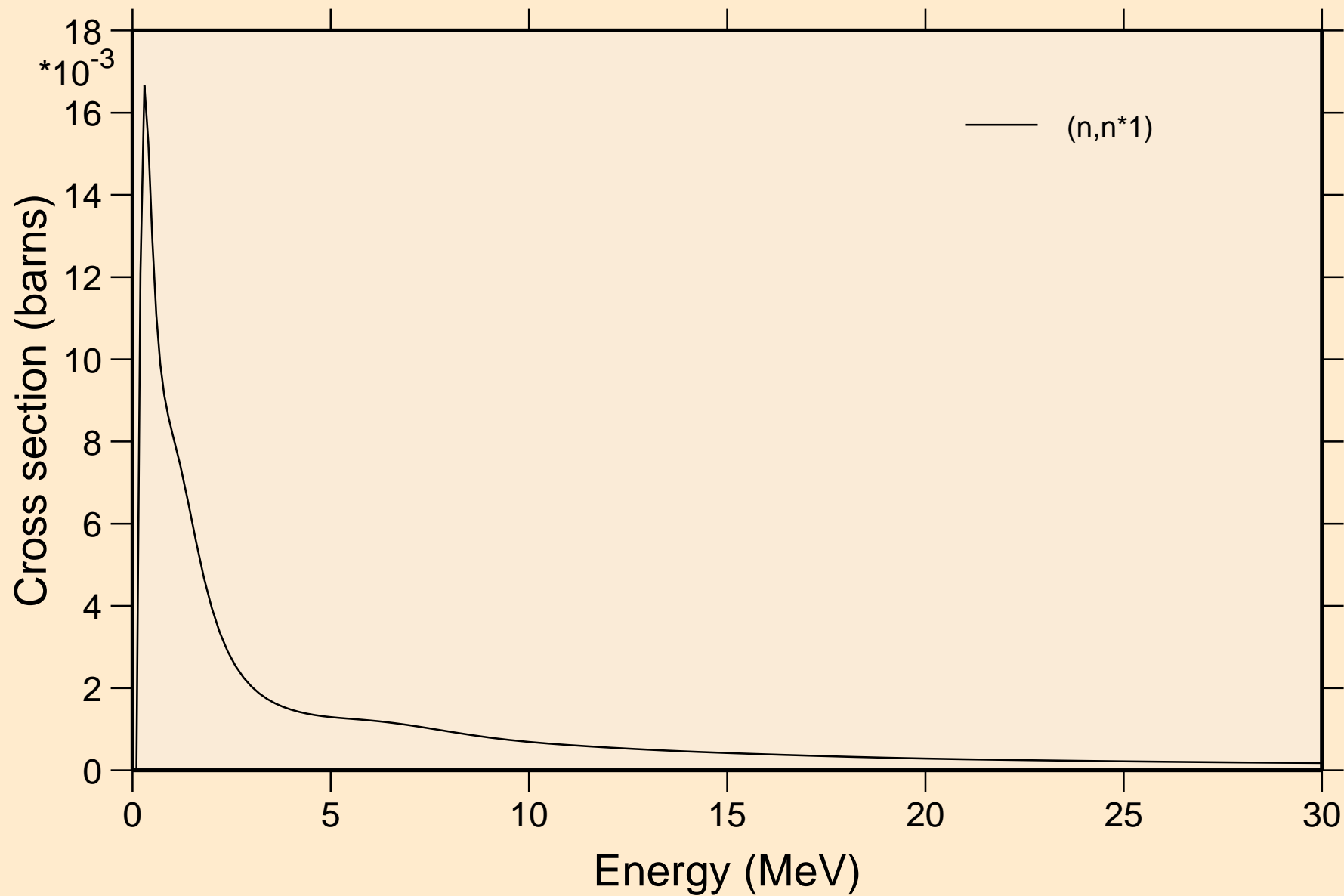
## Non-threshold reactions



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

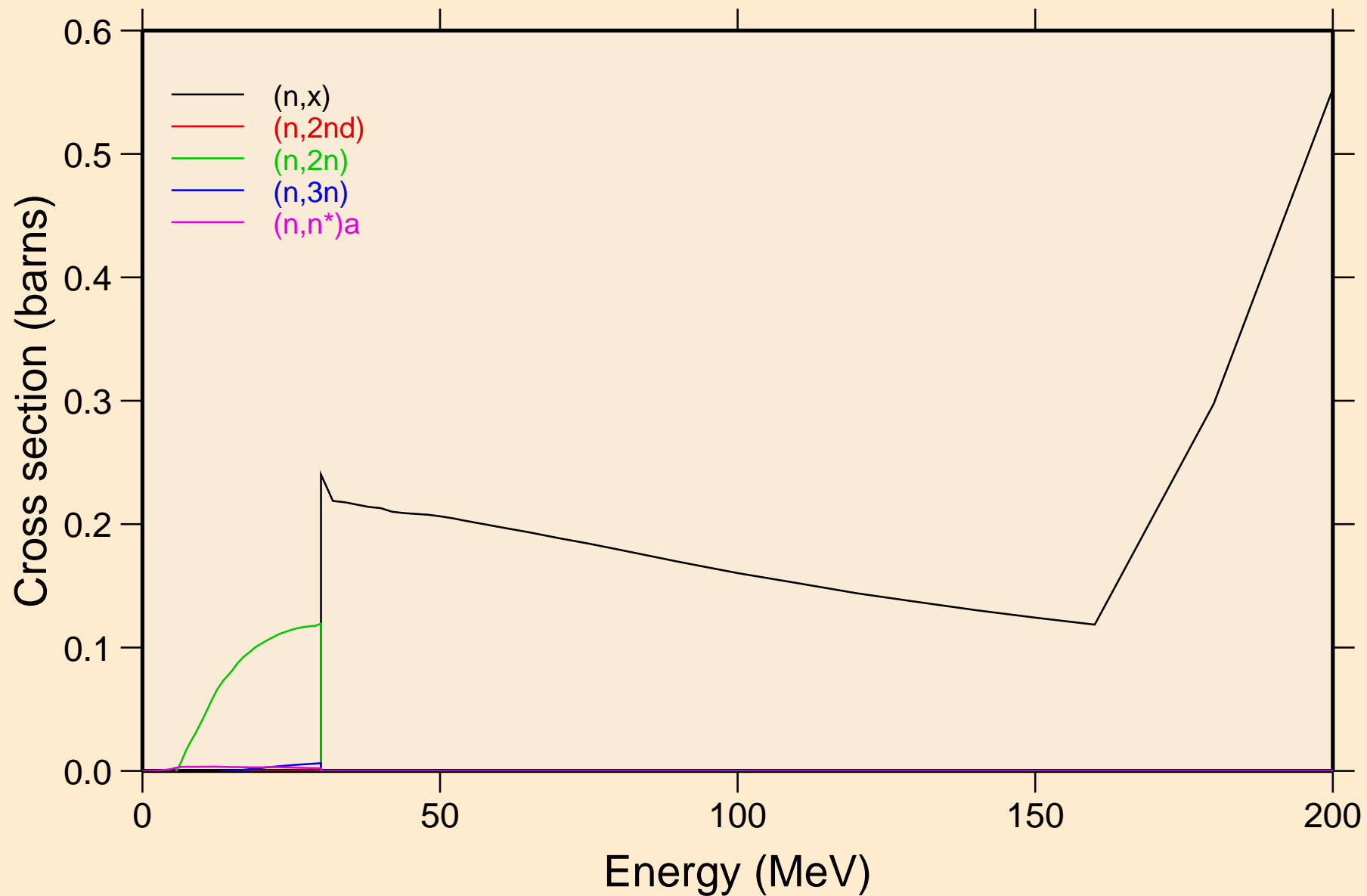


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



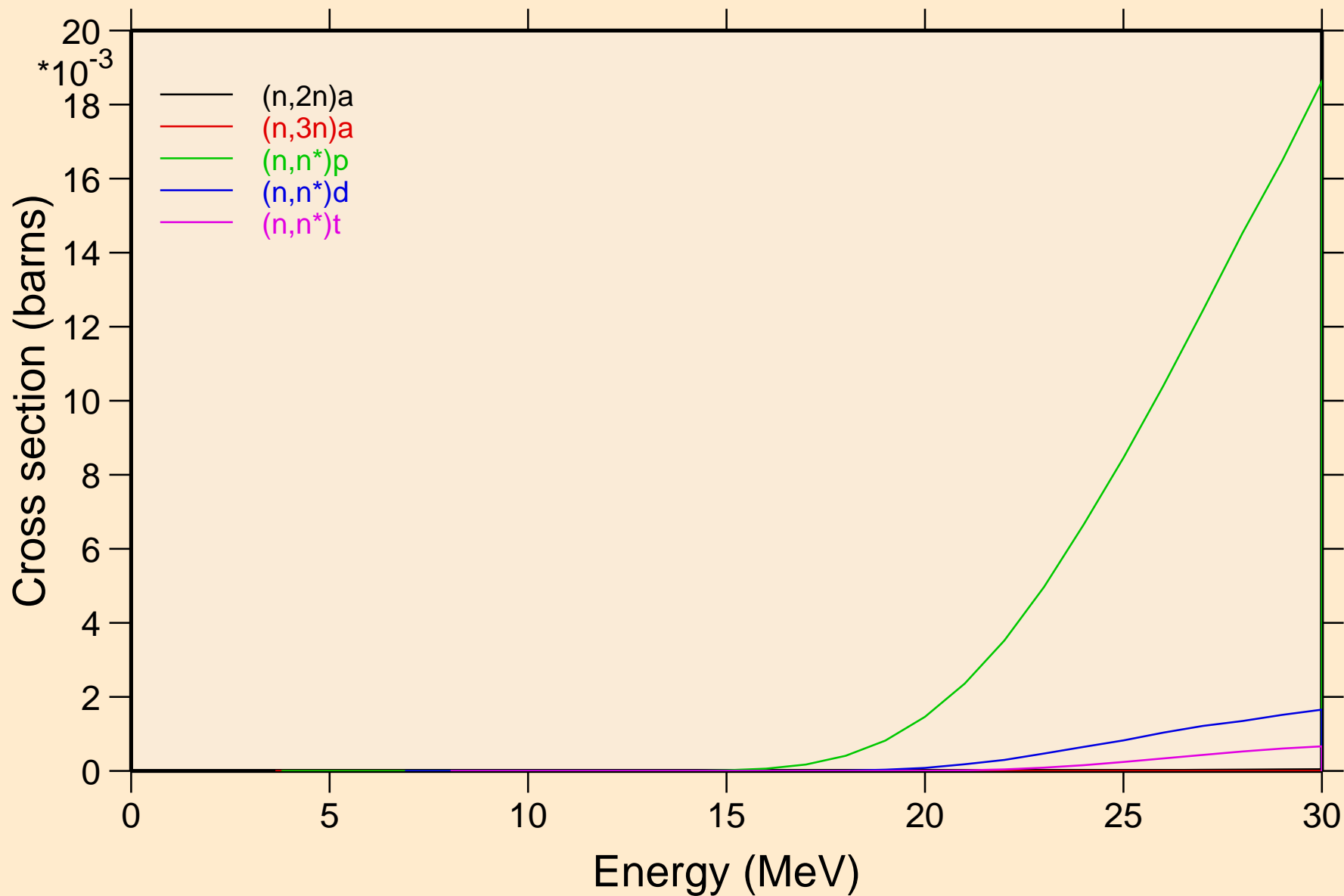
# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



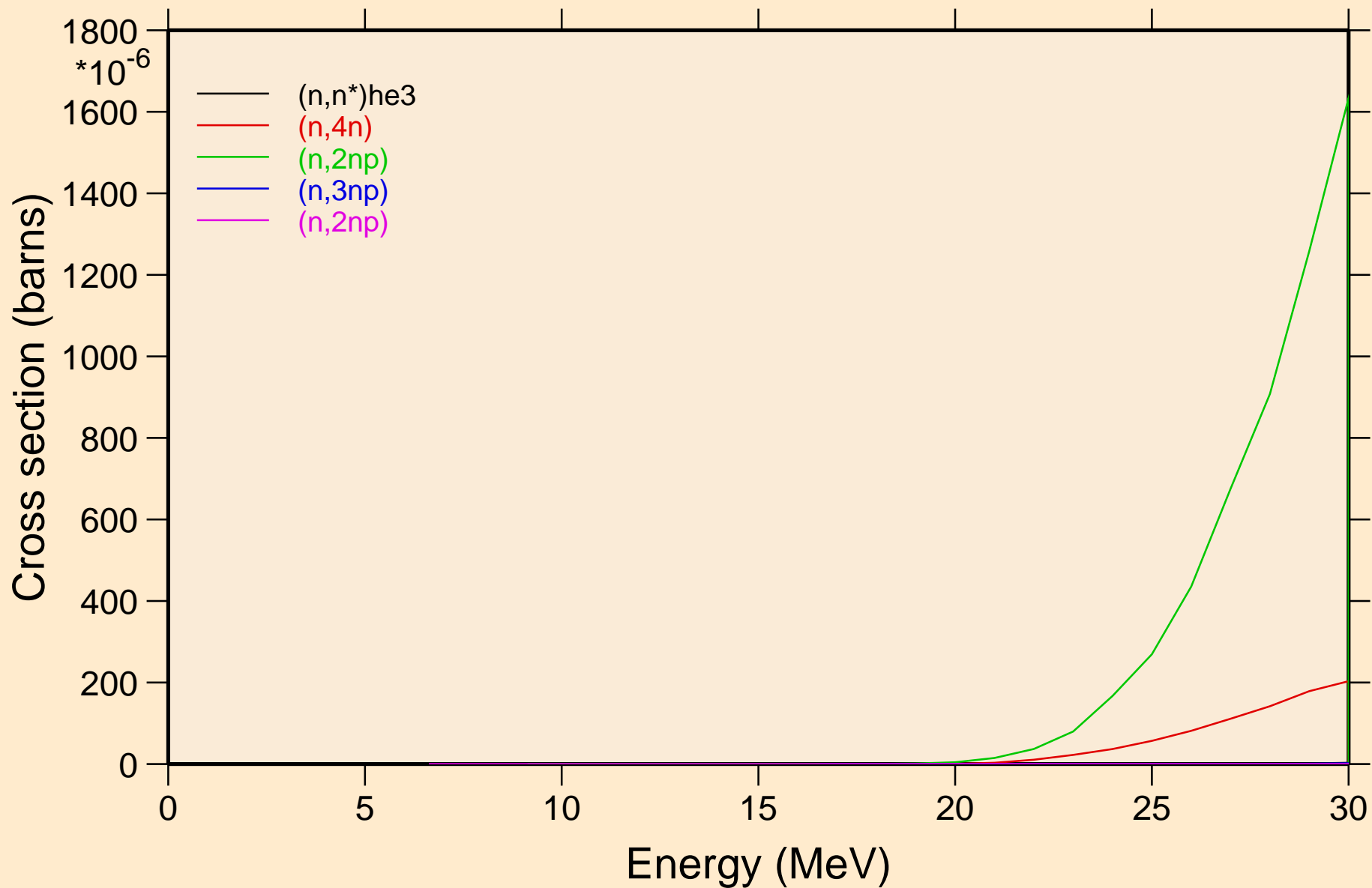
# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



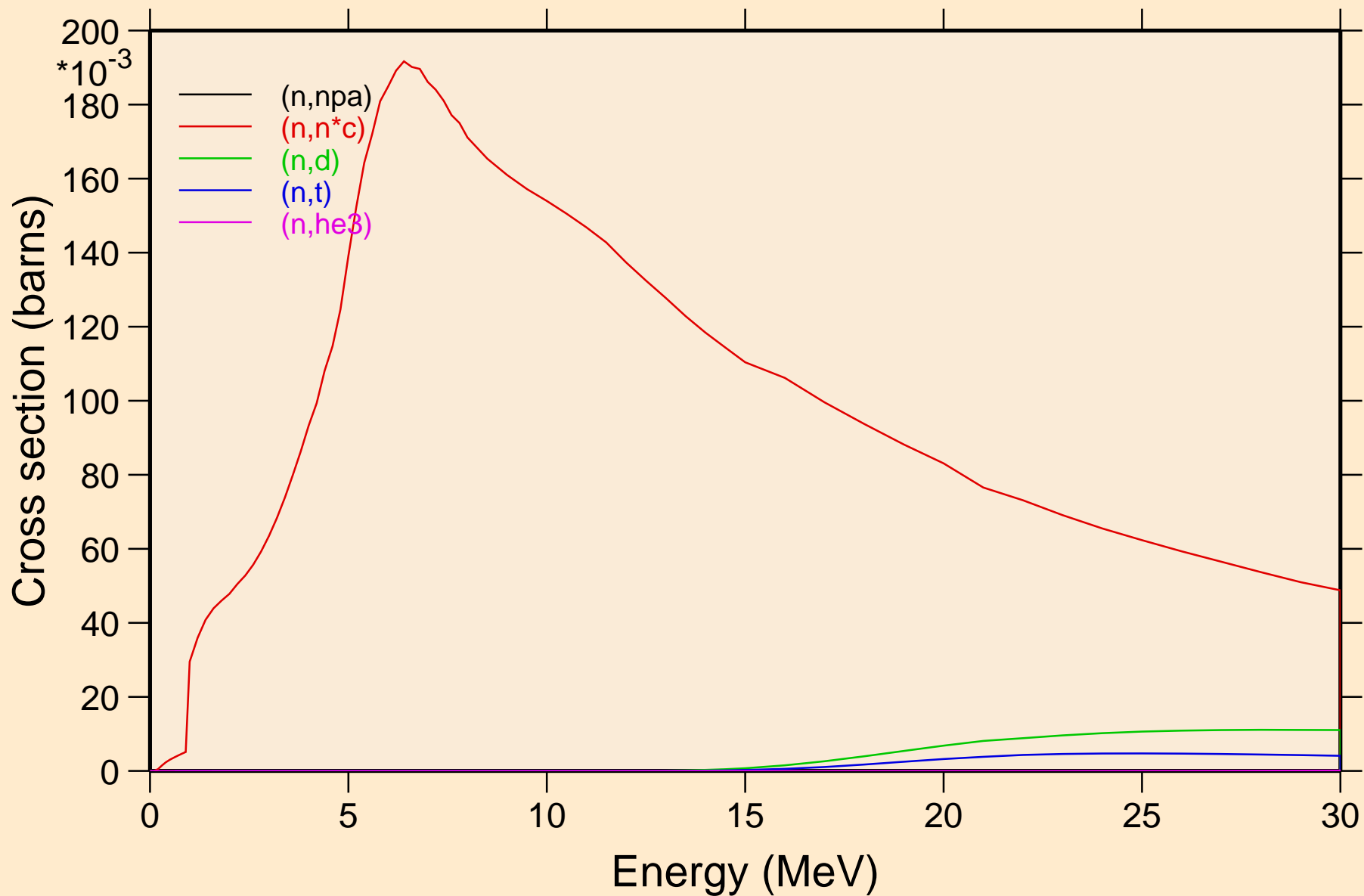
# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

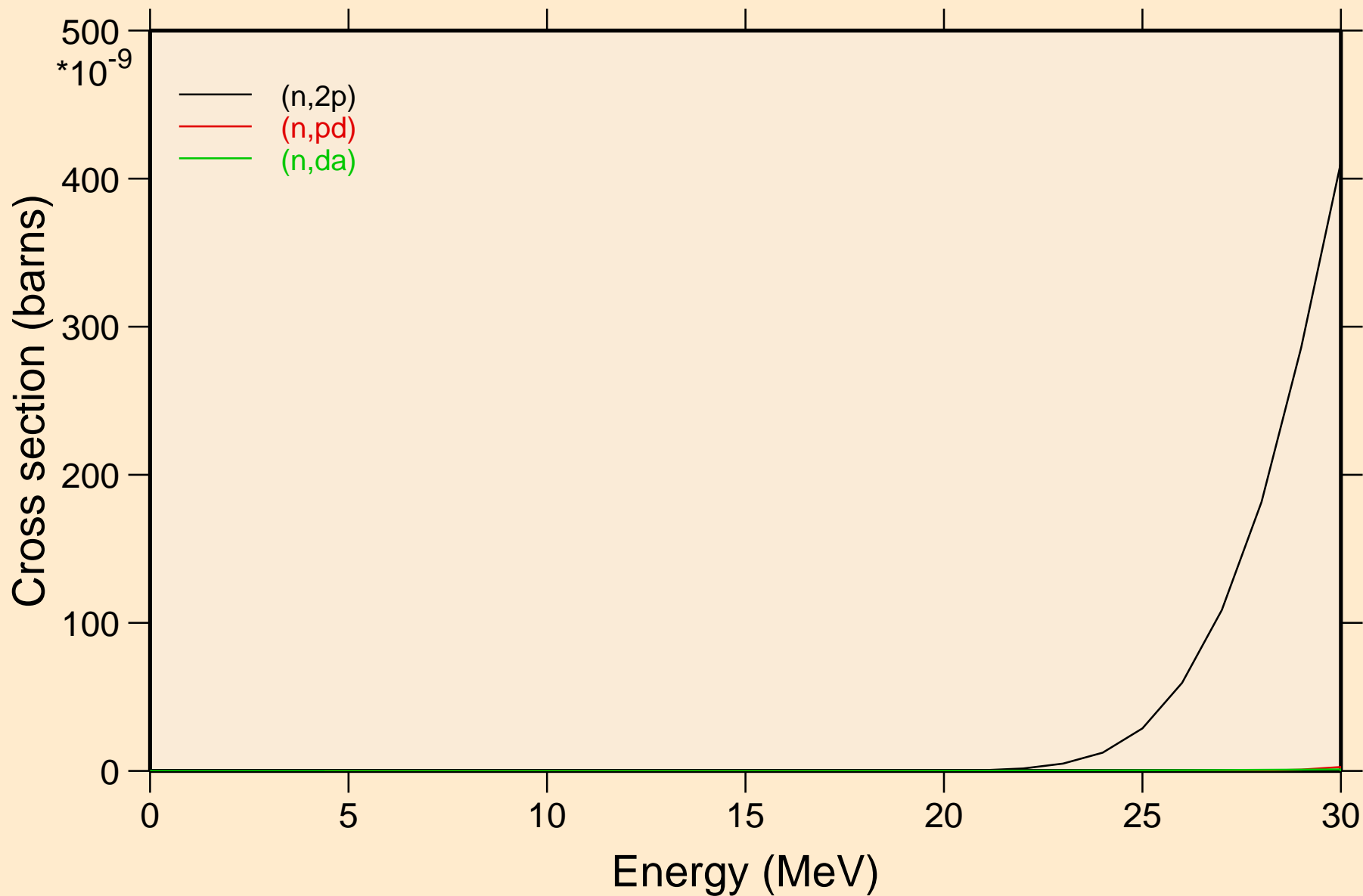


# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions



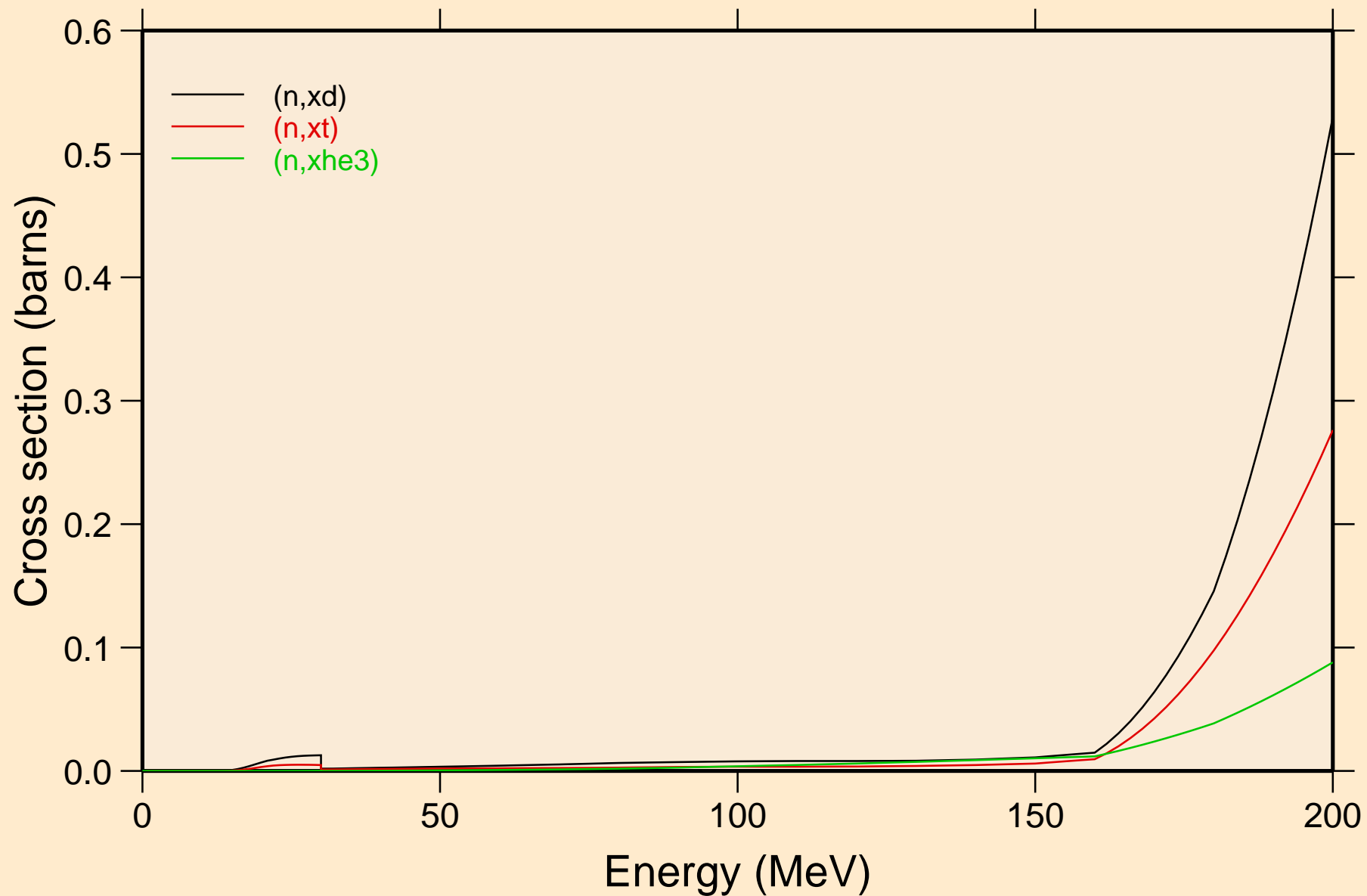
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



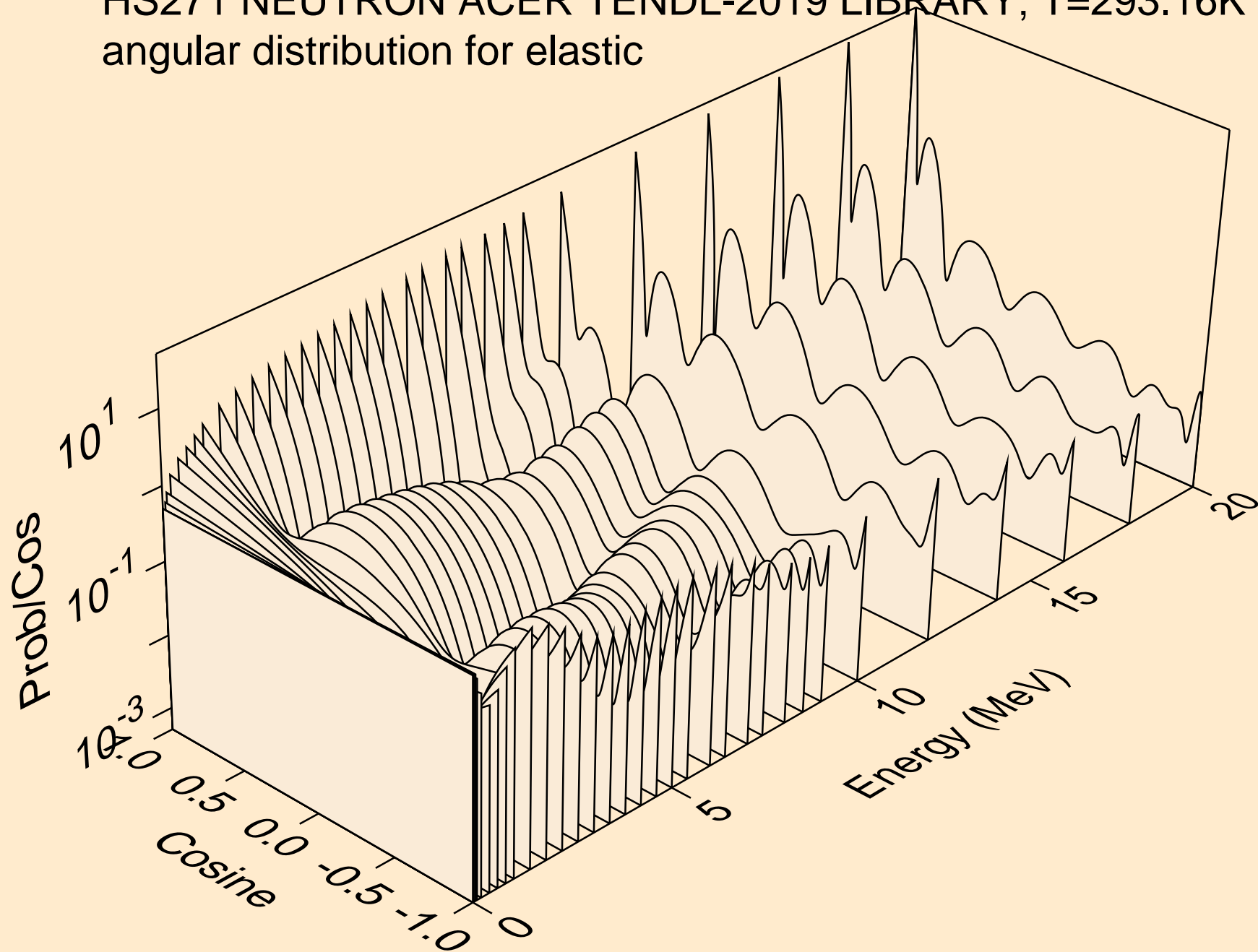


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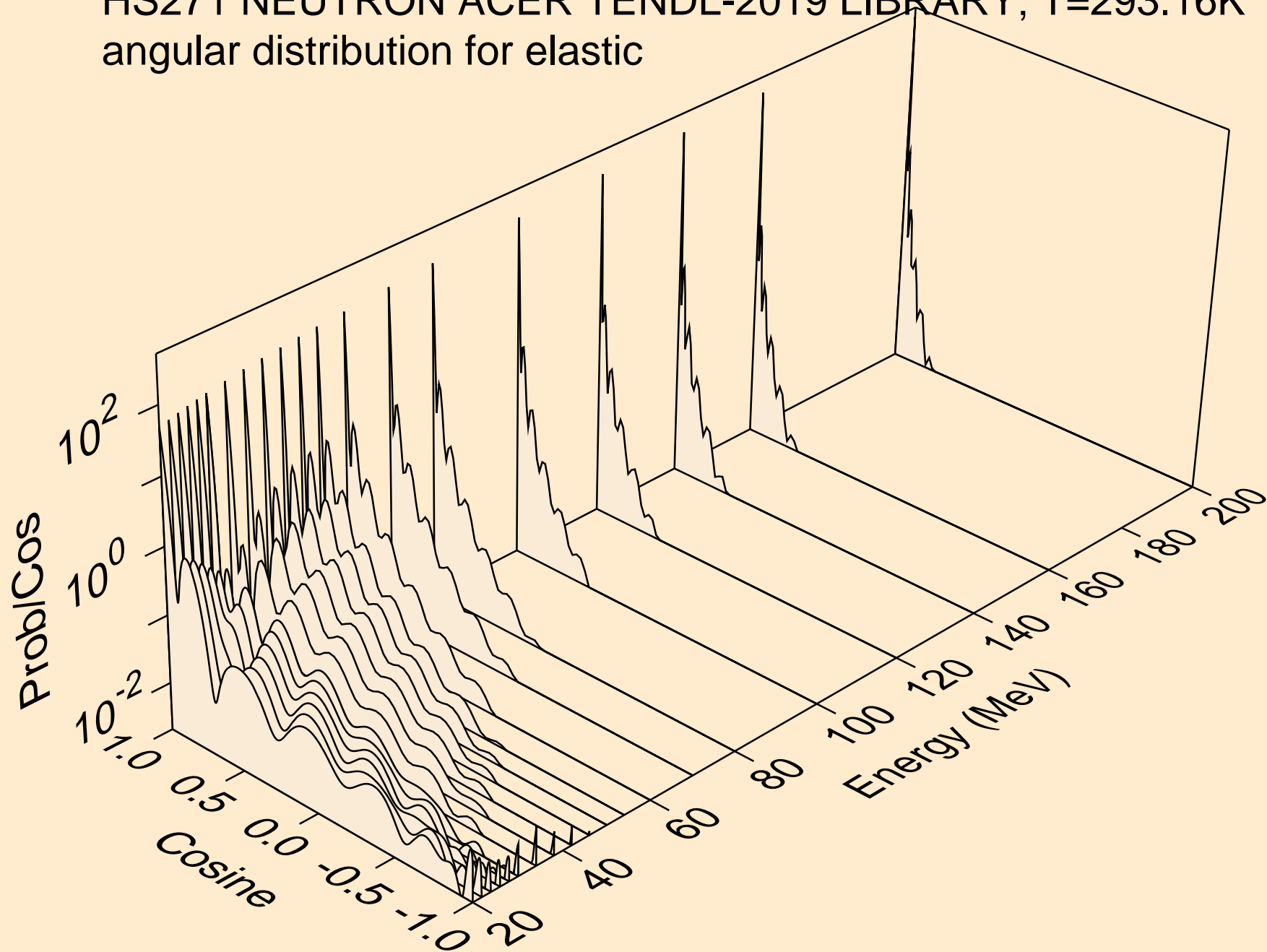
## Threshold reactions



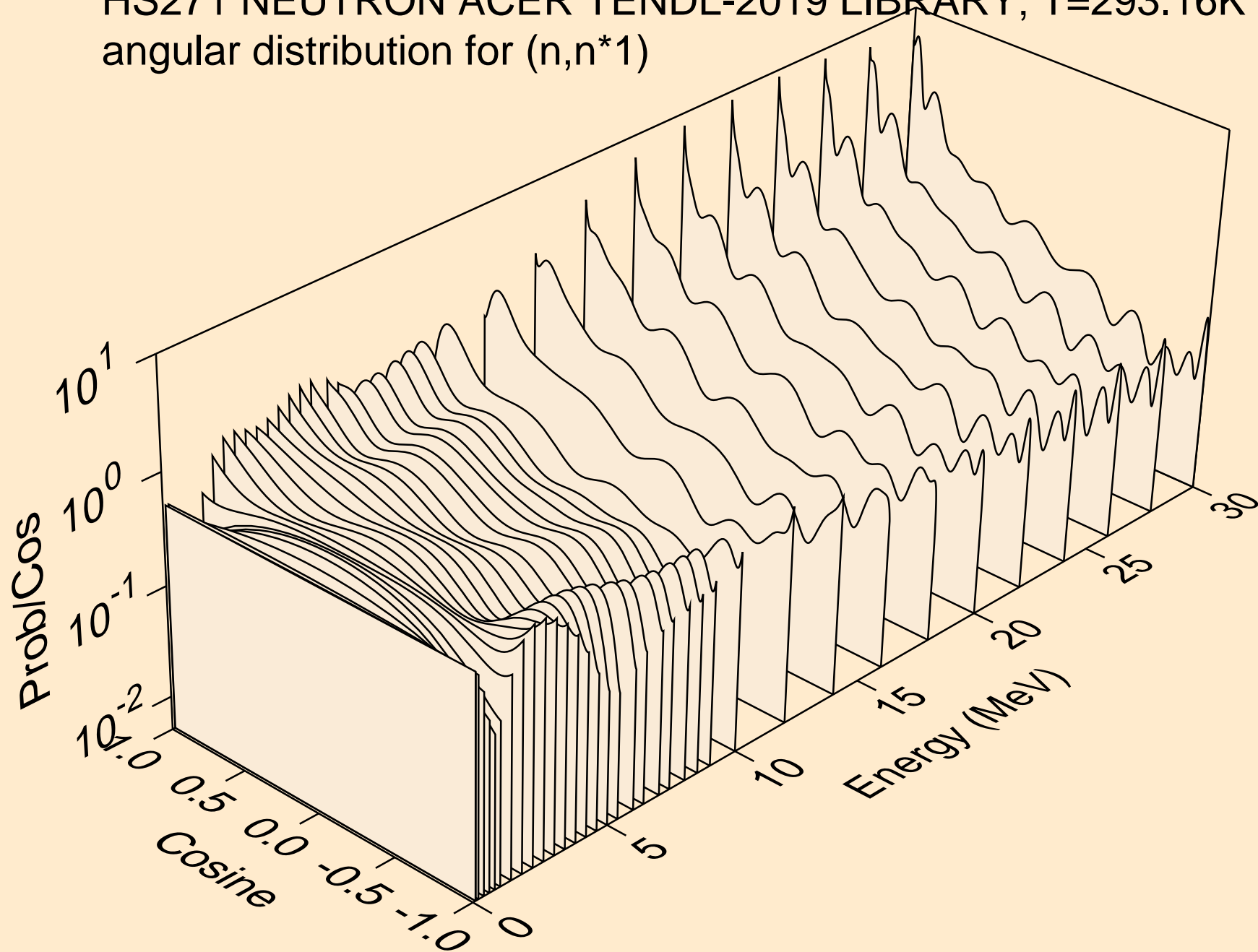
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



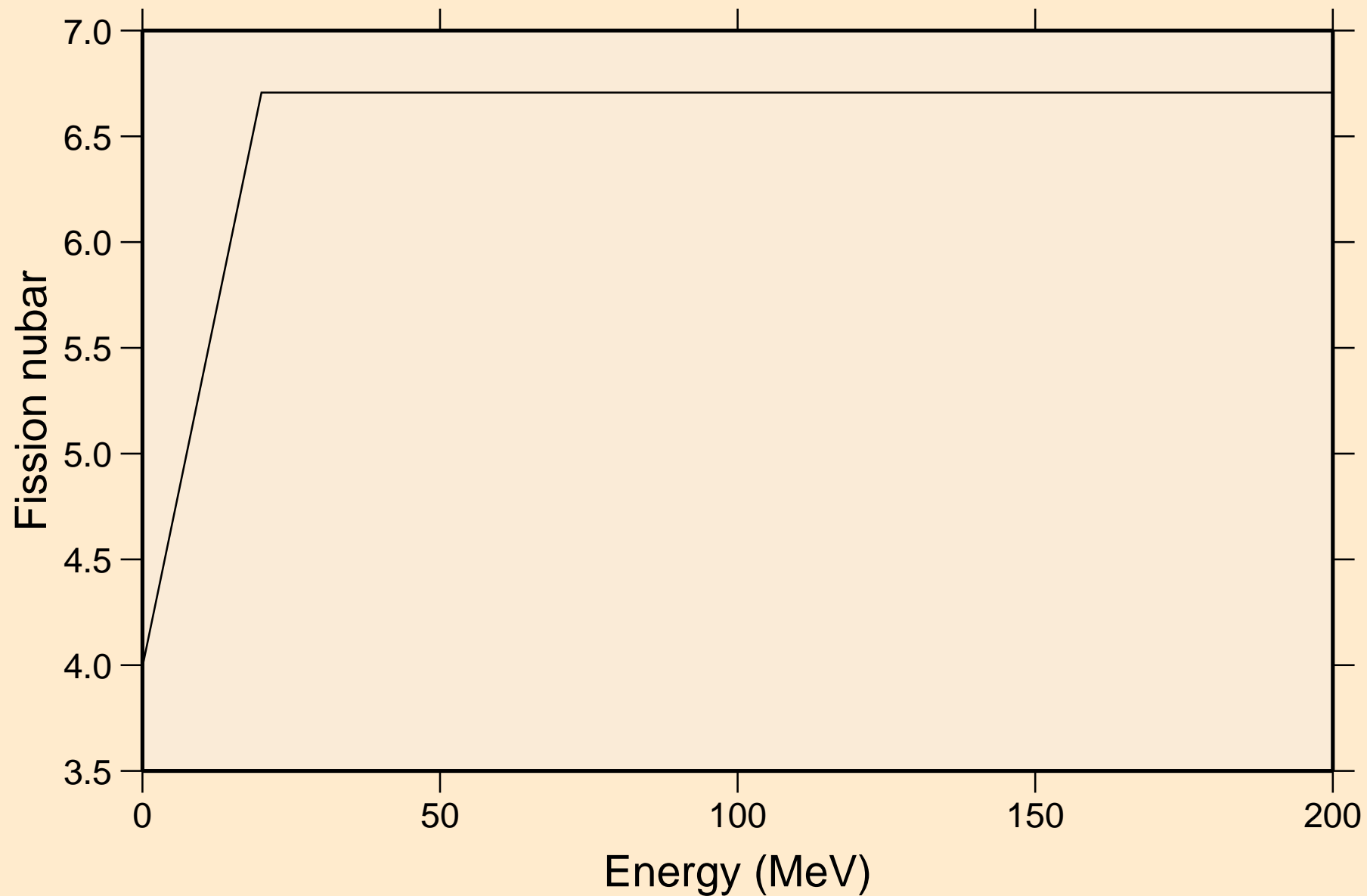
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



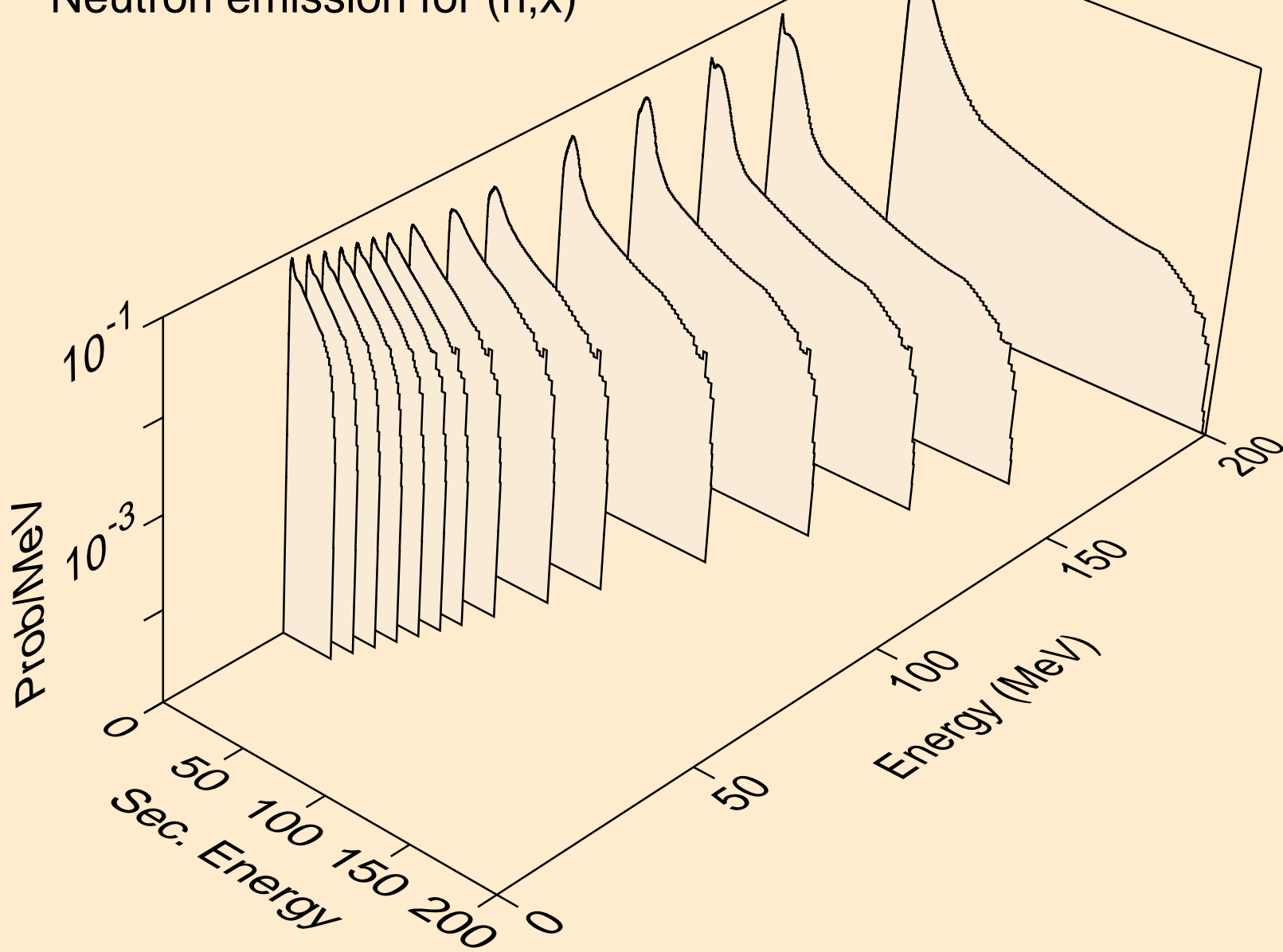
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



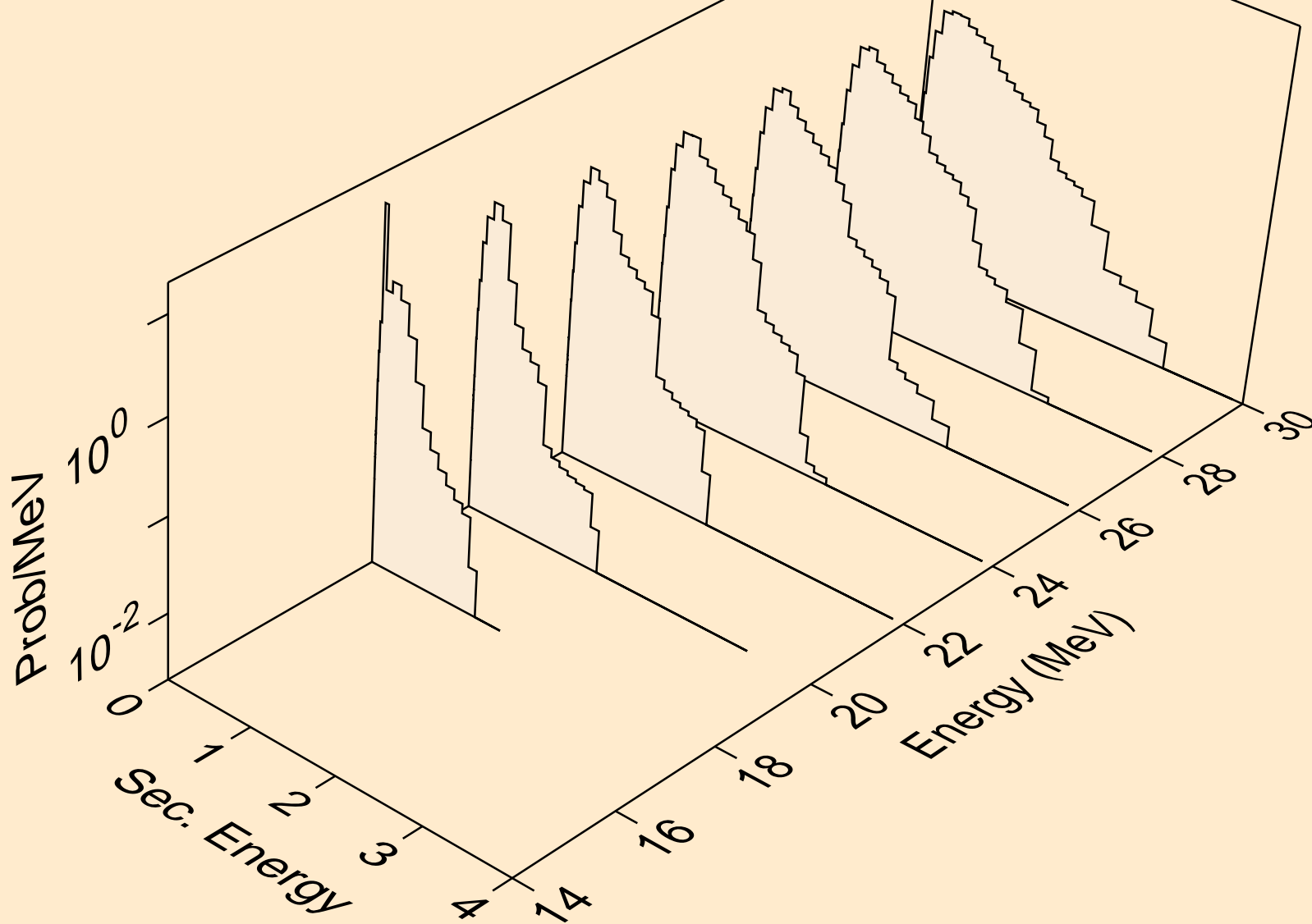
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Total fission nubar



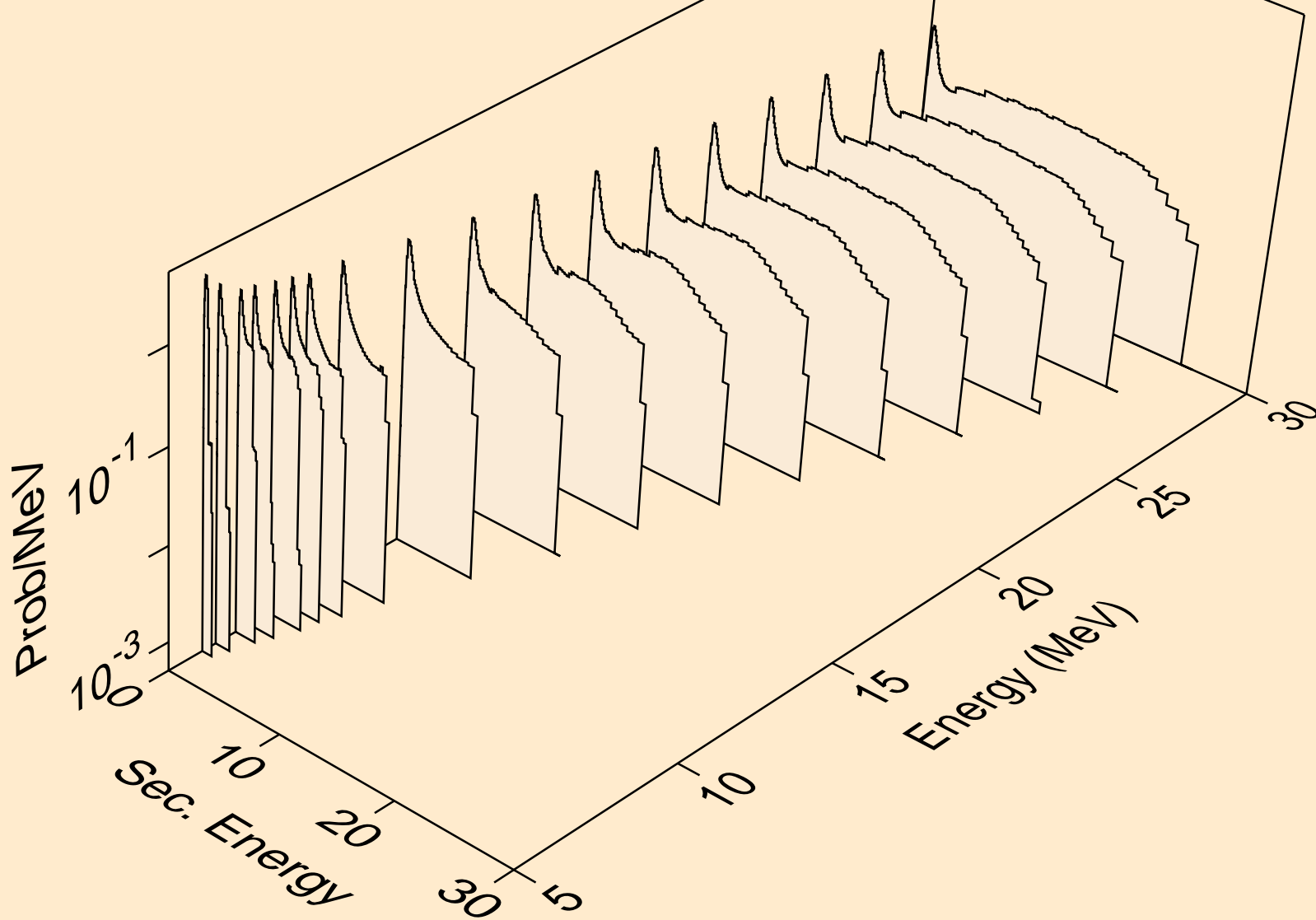
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

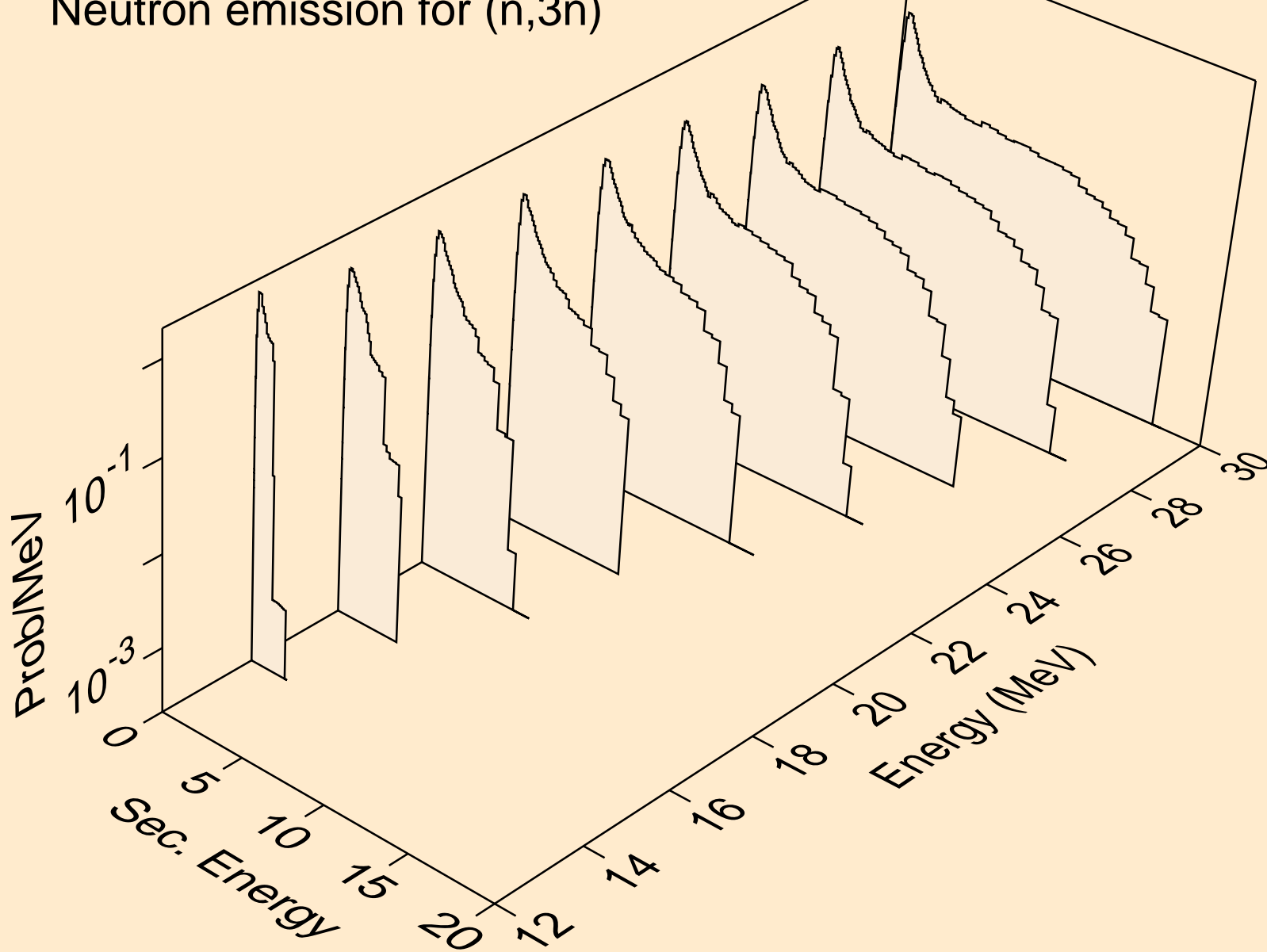


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

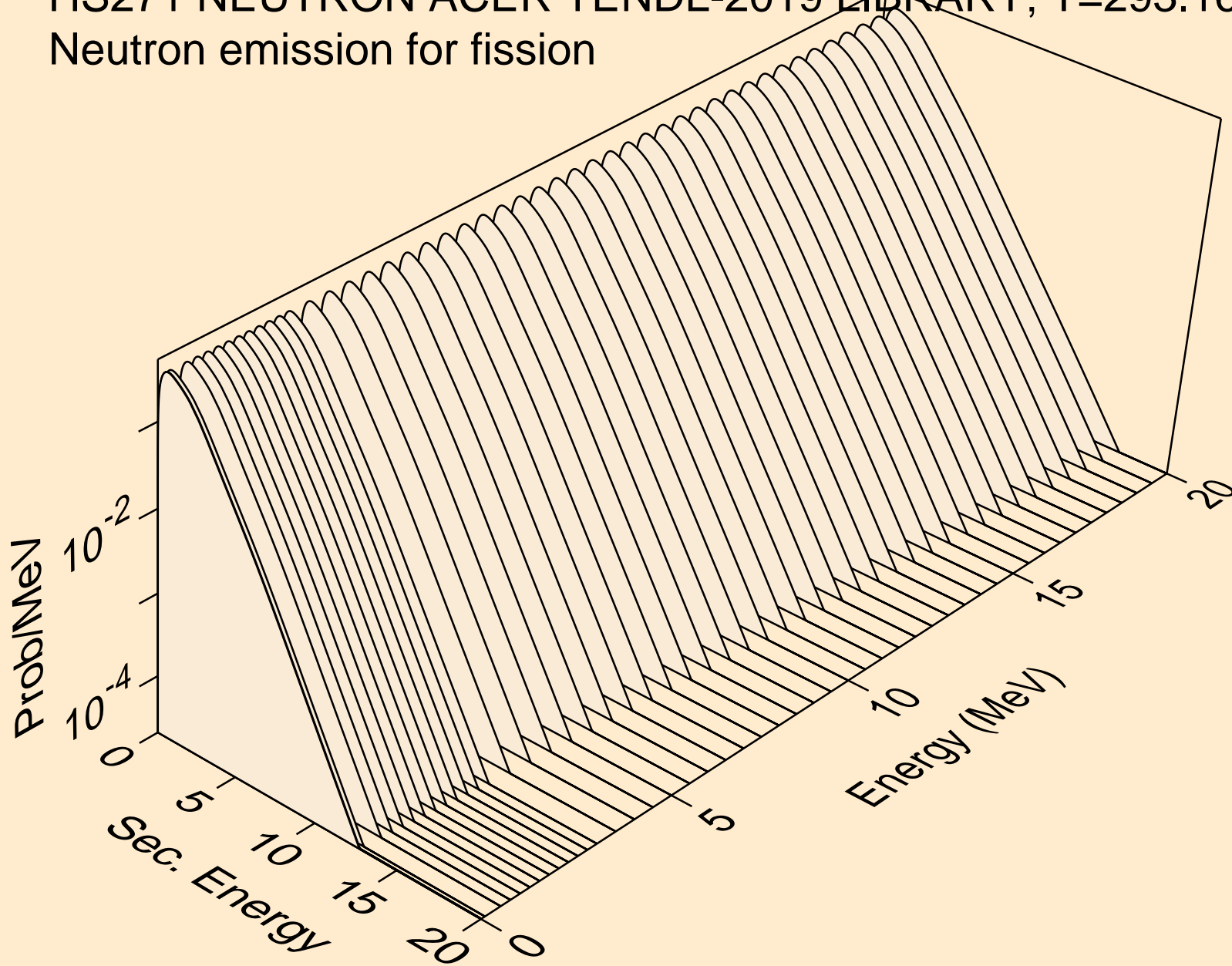




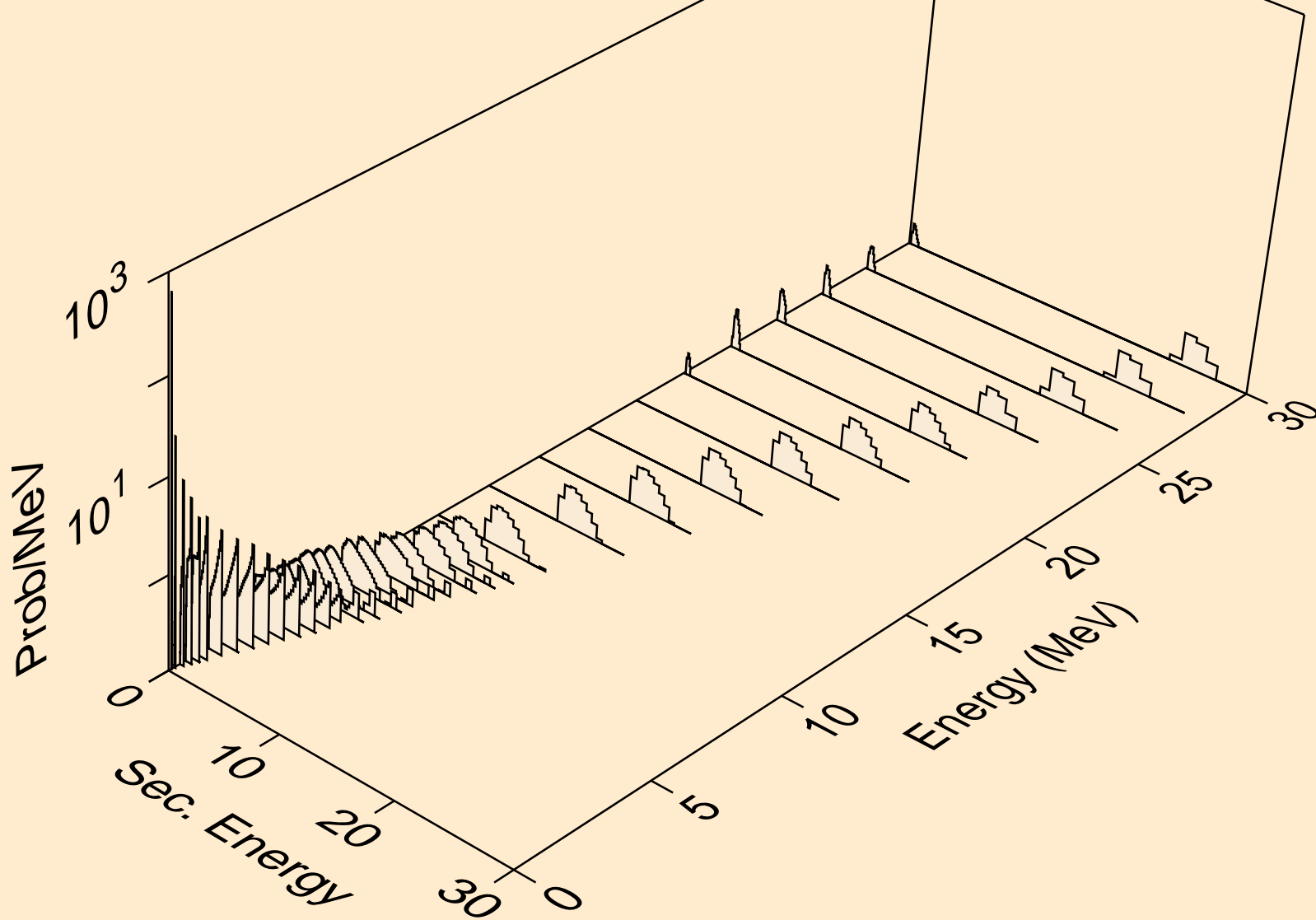
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Neutron emission for (n,3n)



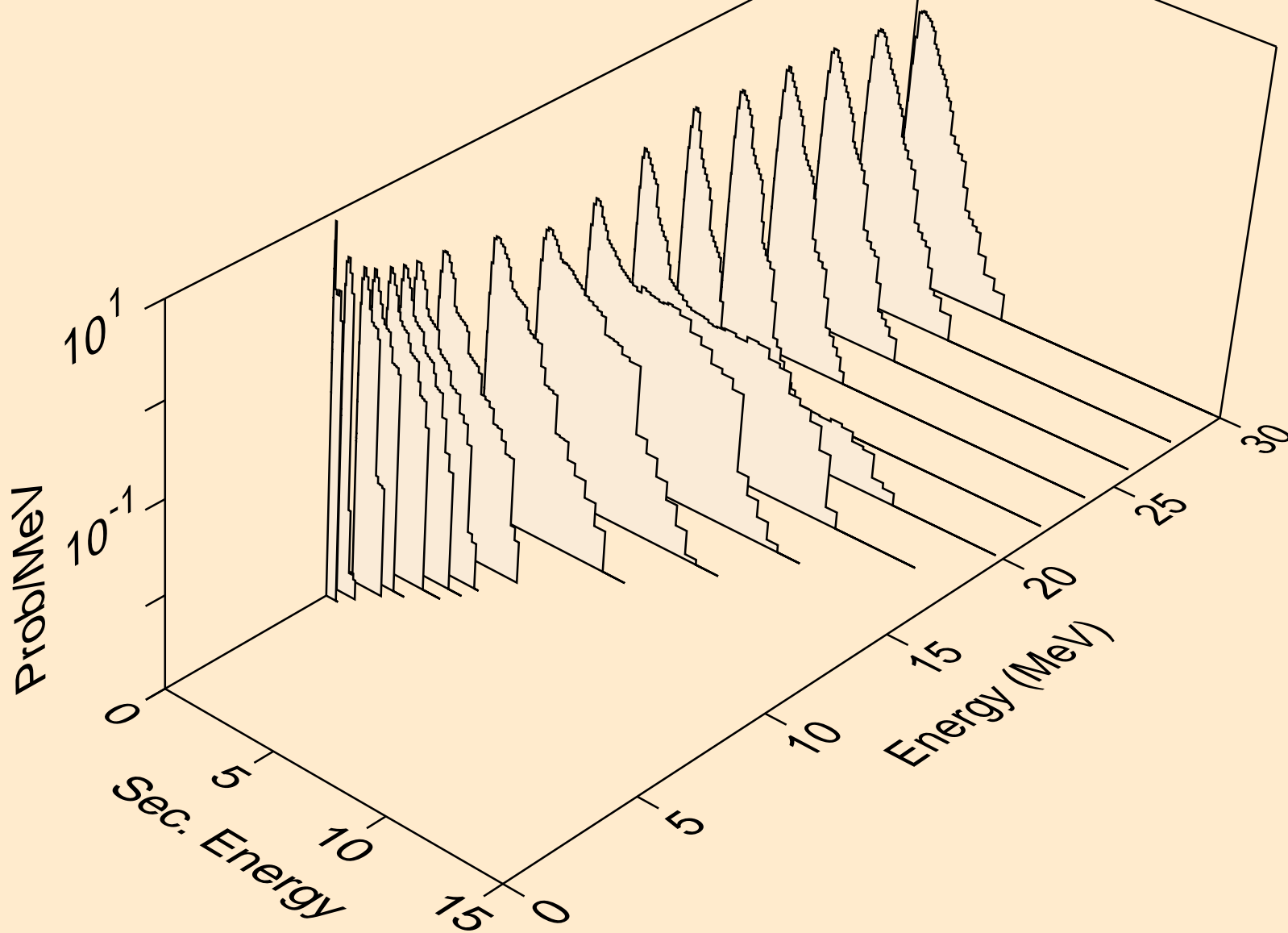
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Neutron emission for fission



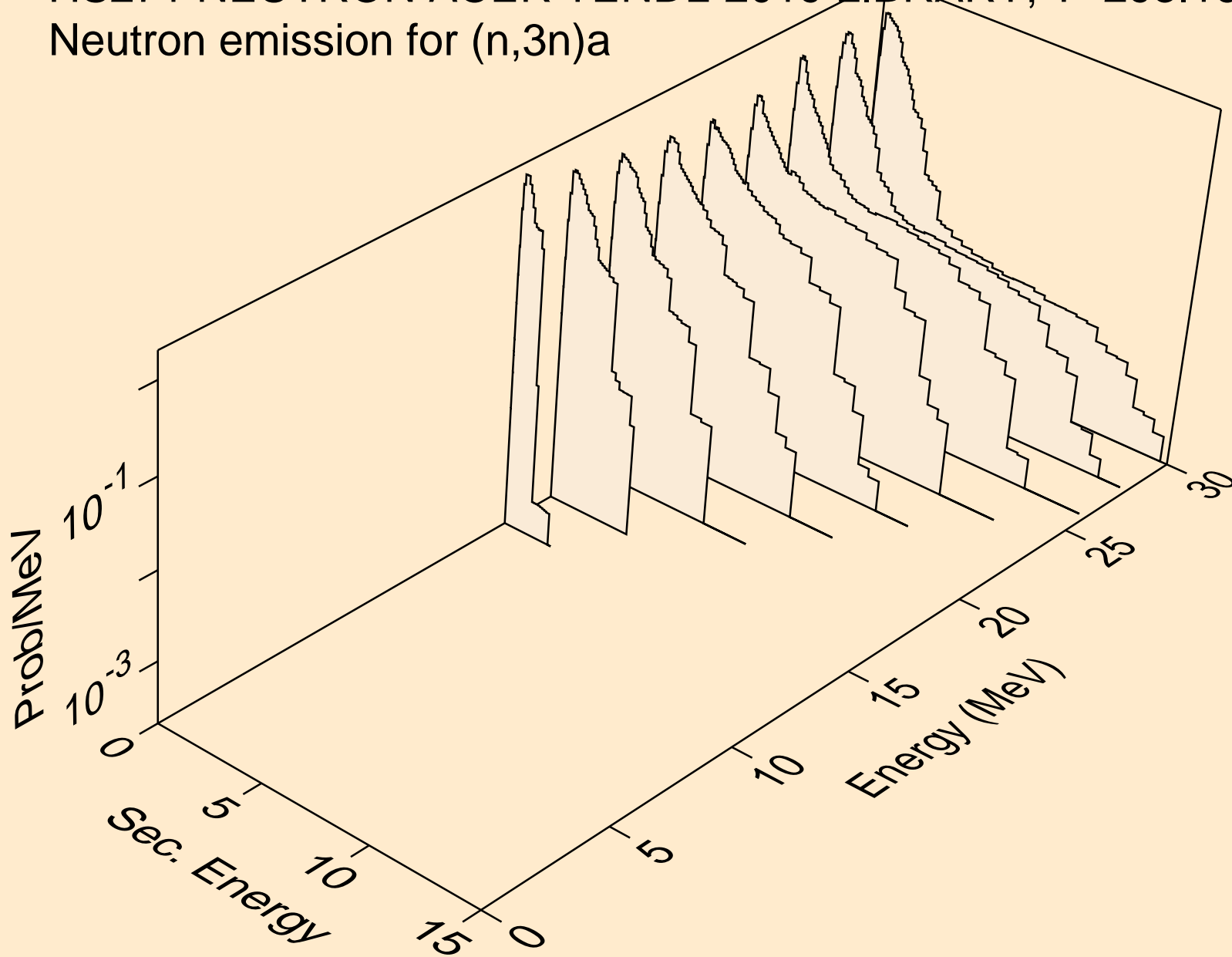
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



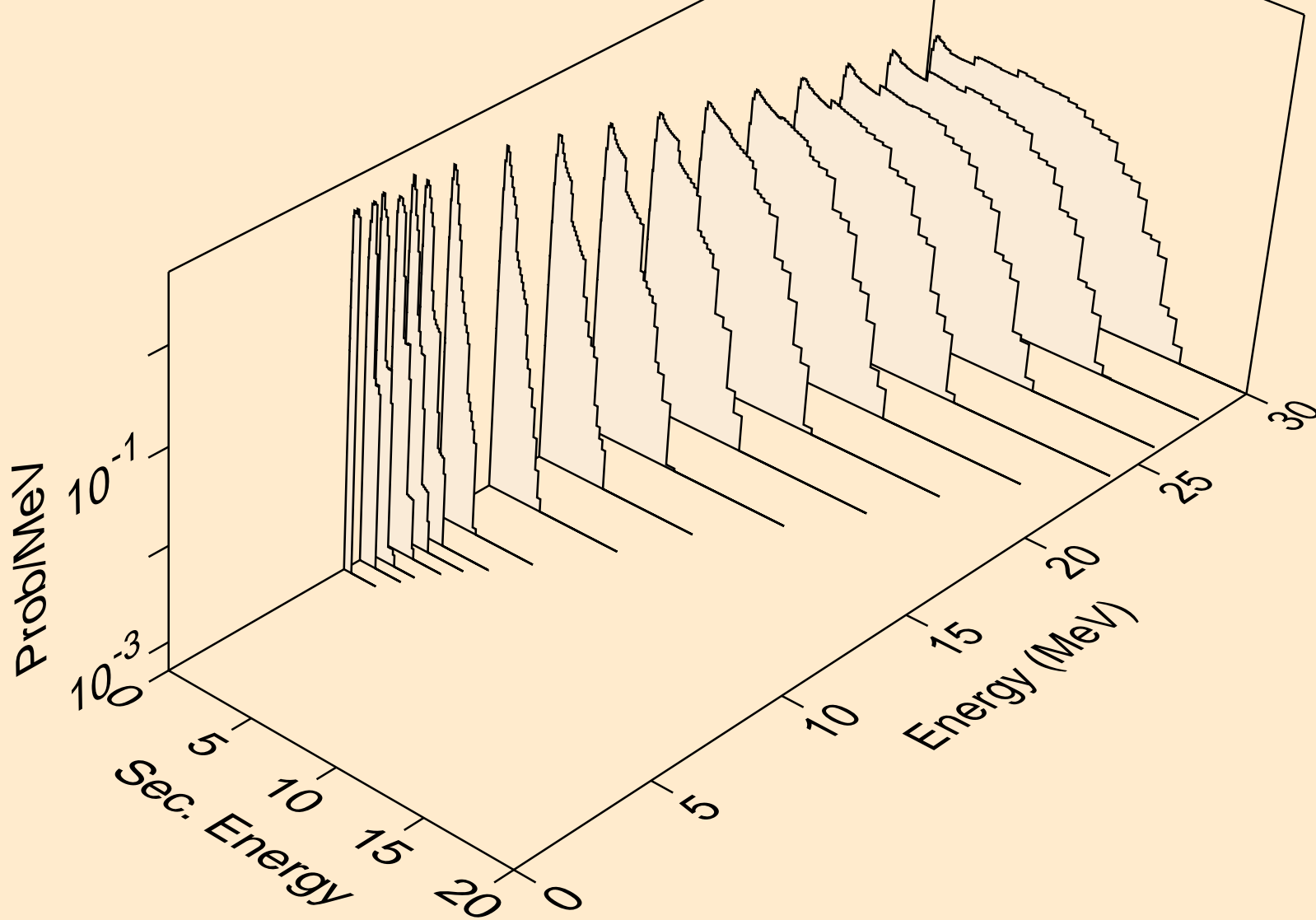
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Neutron emission for (n,2n)a



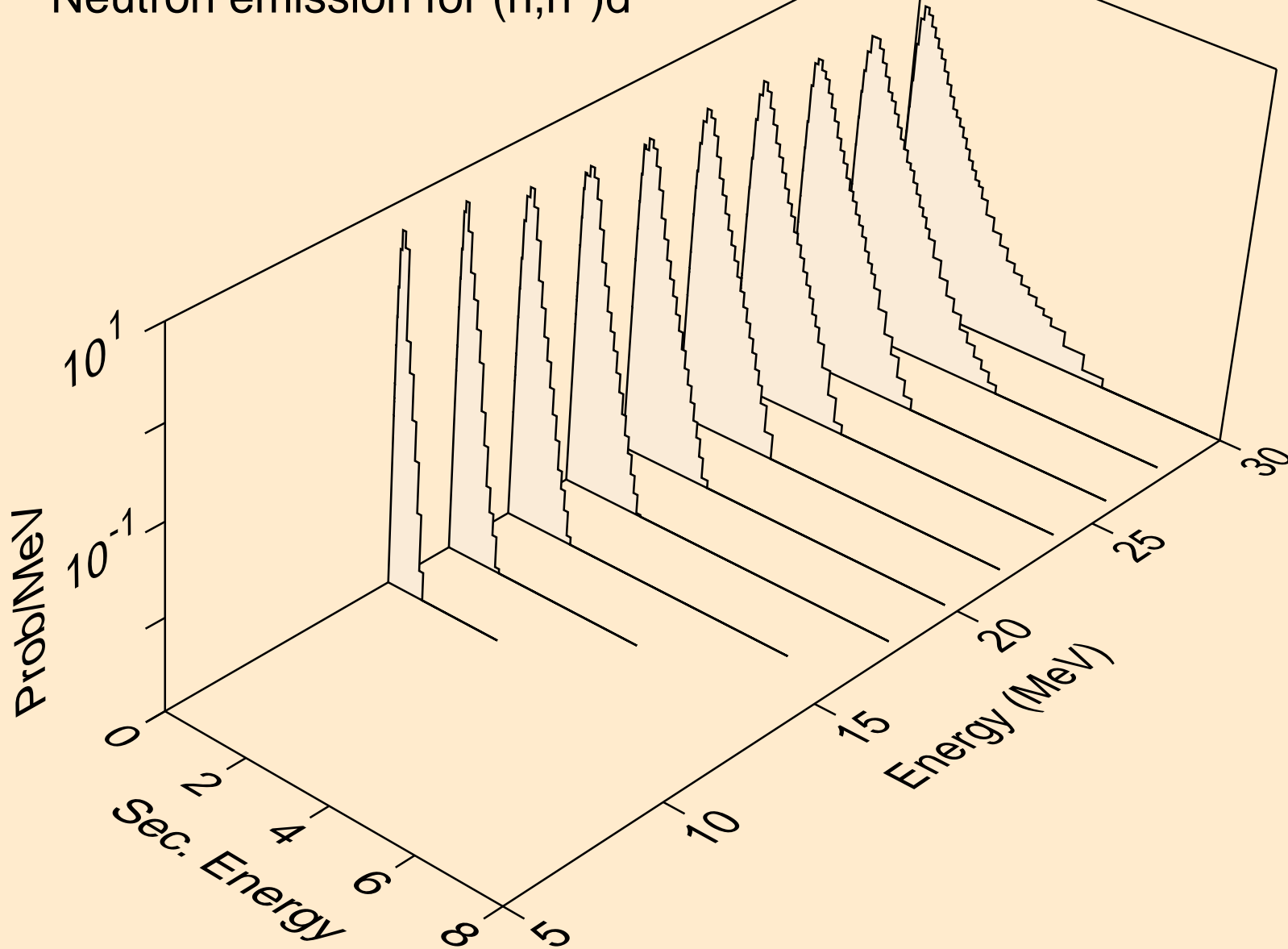
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Neutron emission for (n,3n)a



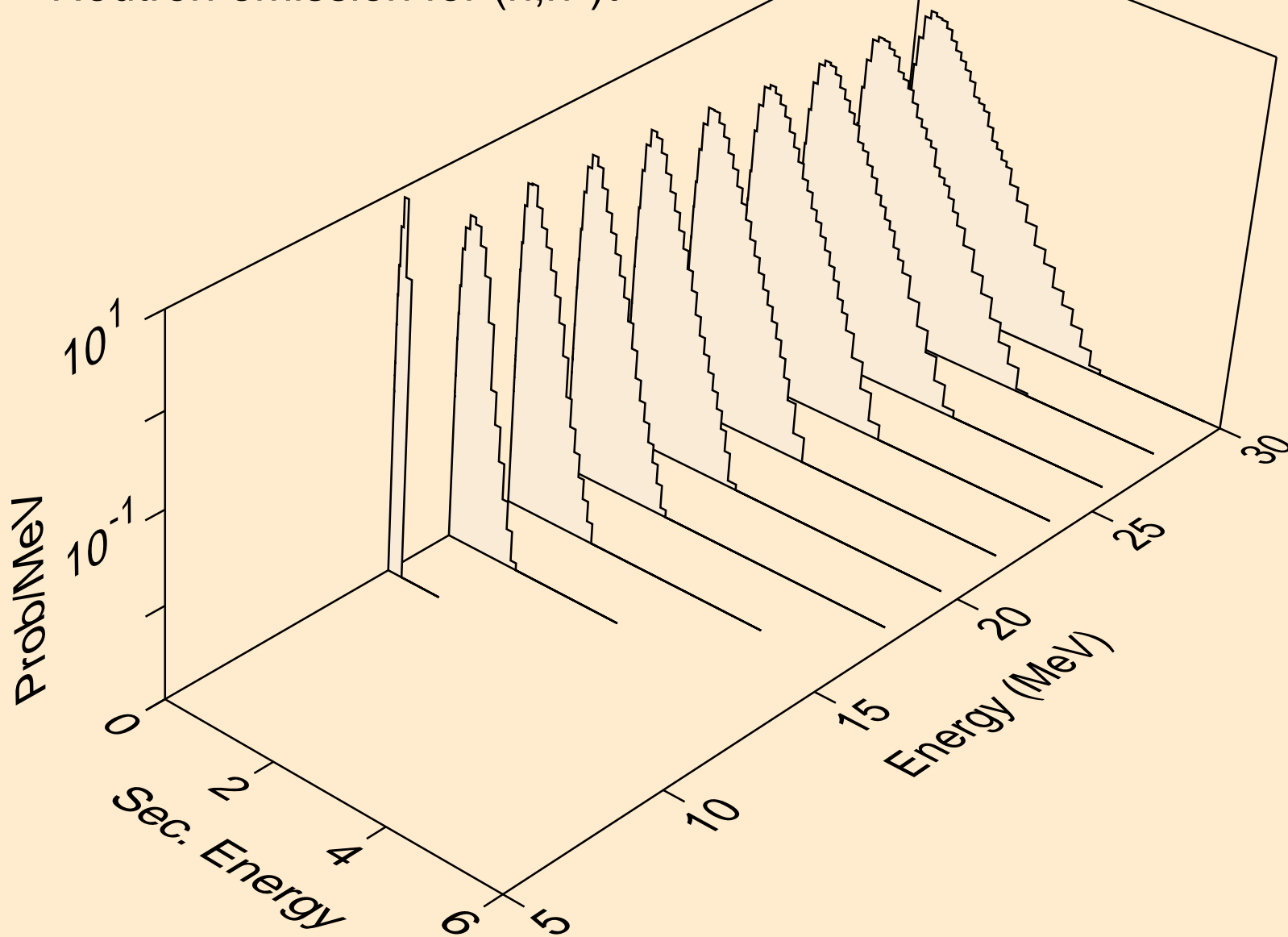
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

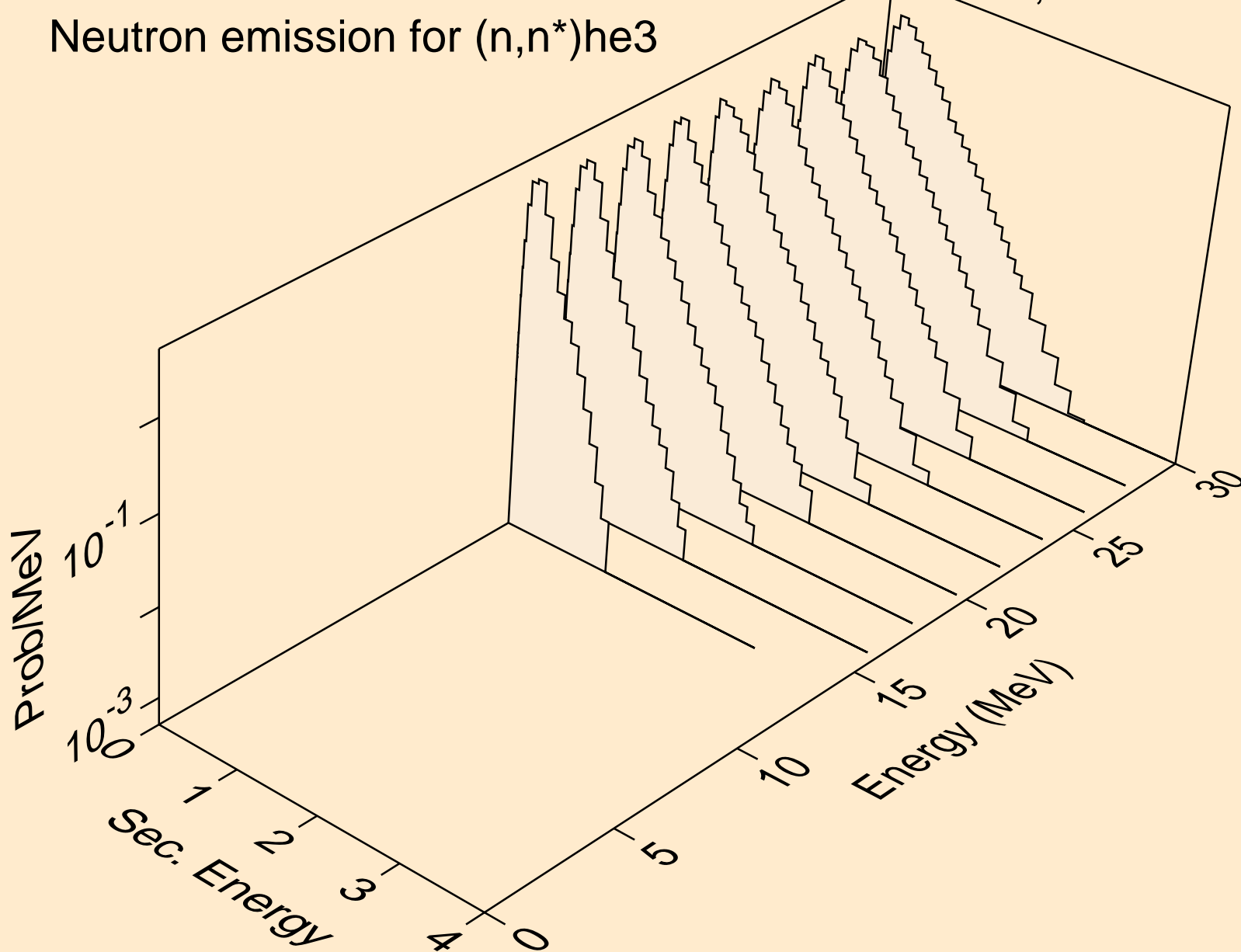


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

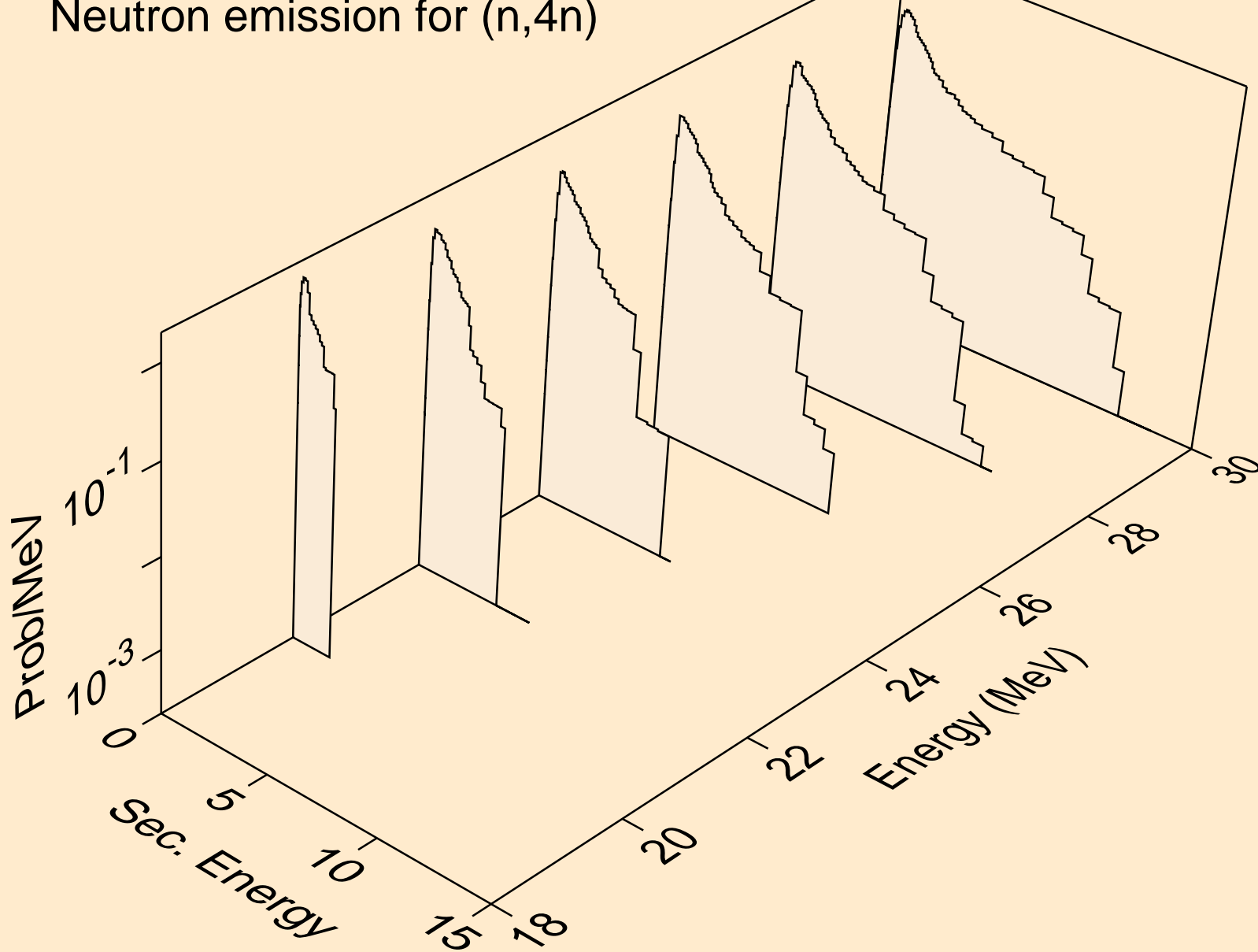




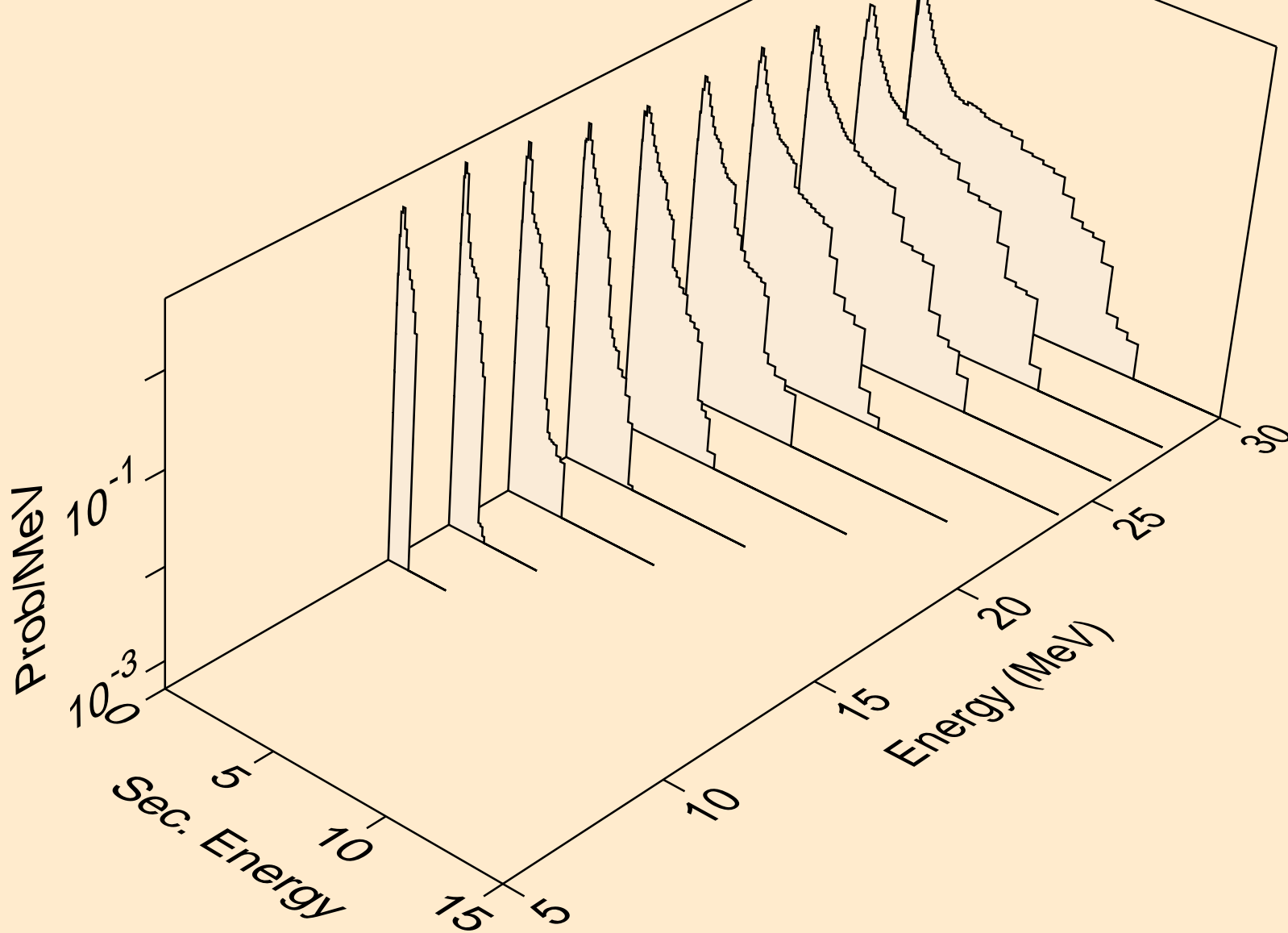
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



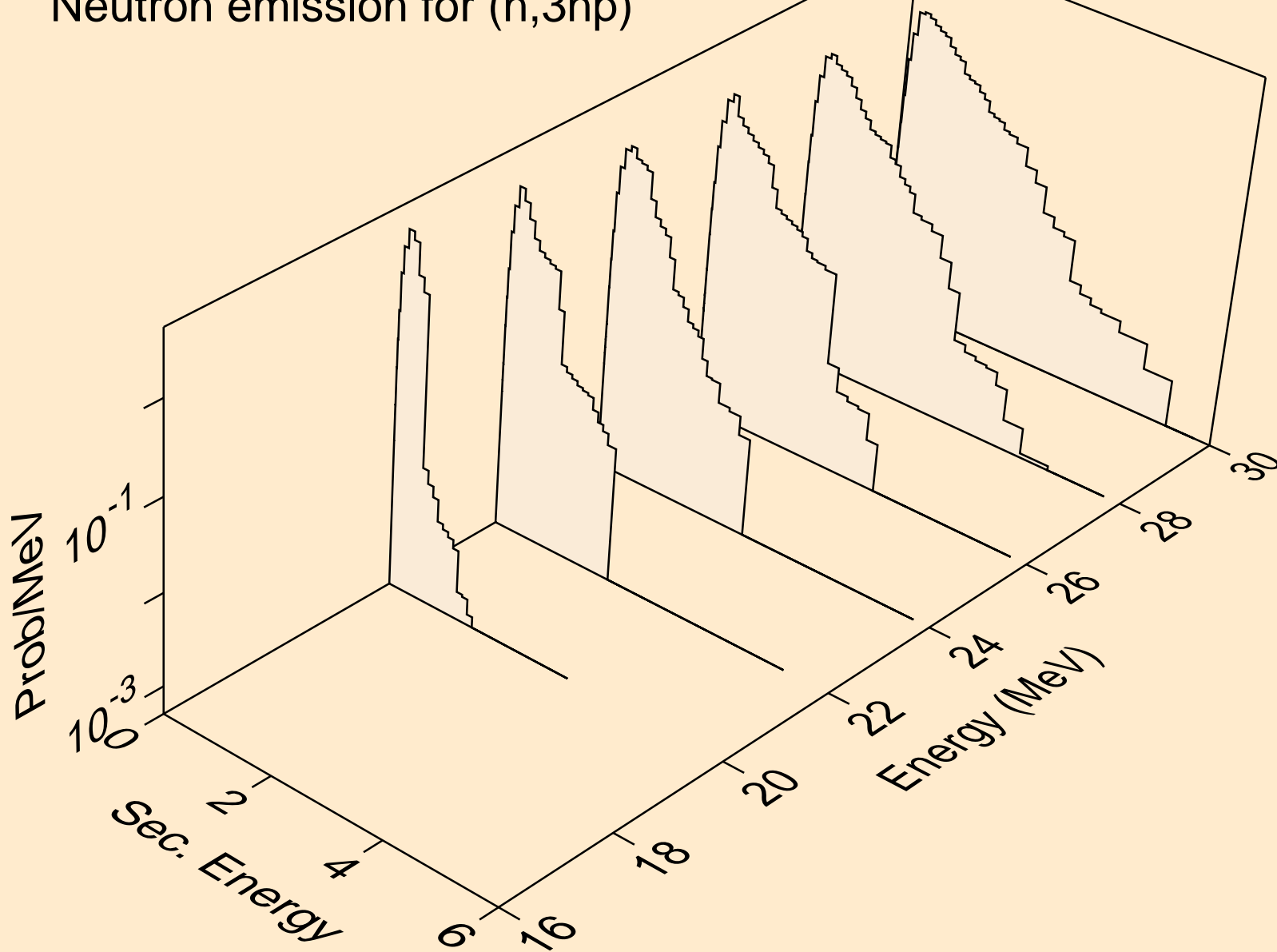
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Neutron emission for (n,4n)



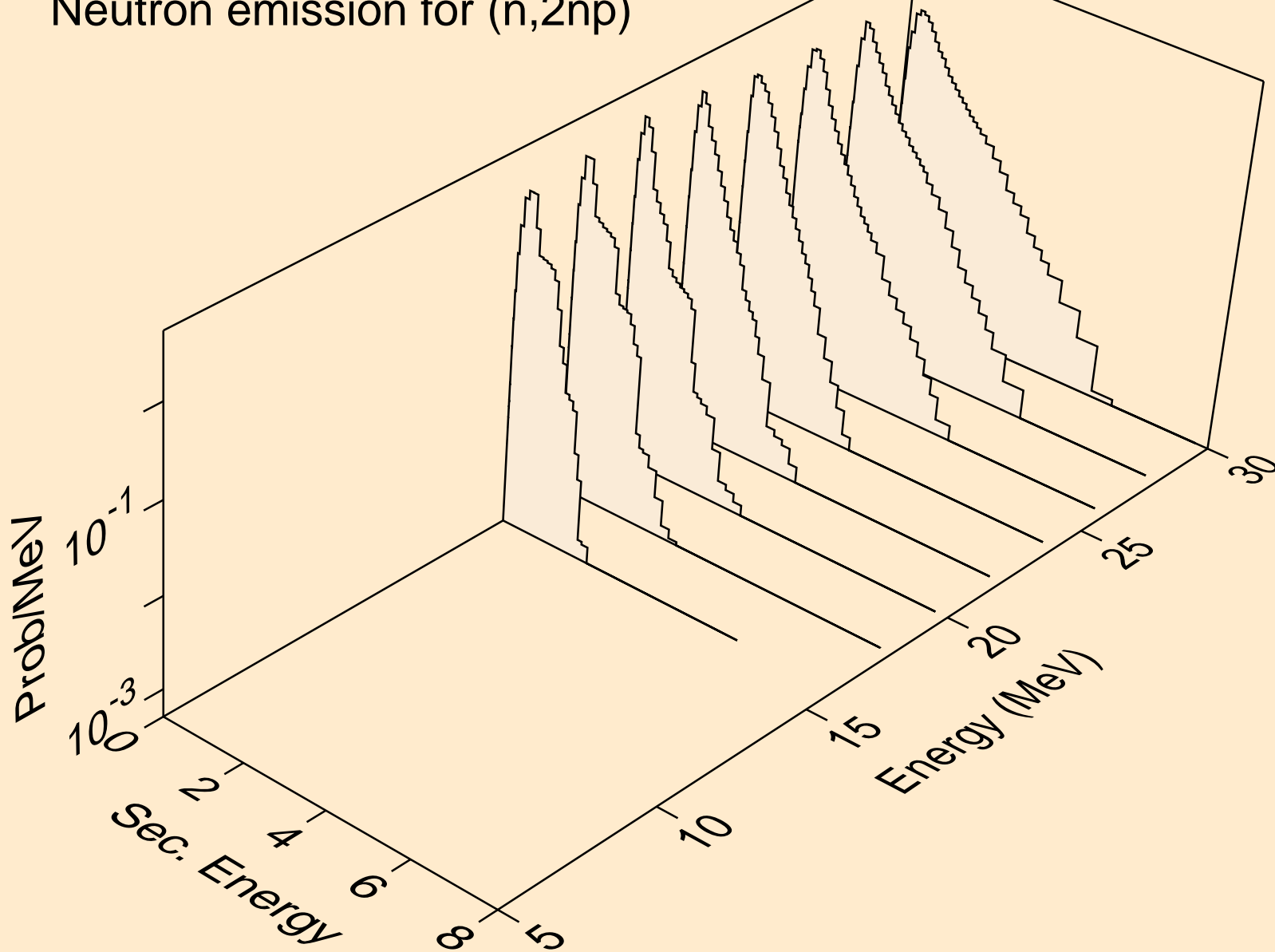
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Neutron emission for (n,2np)



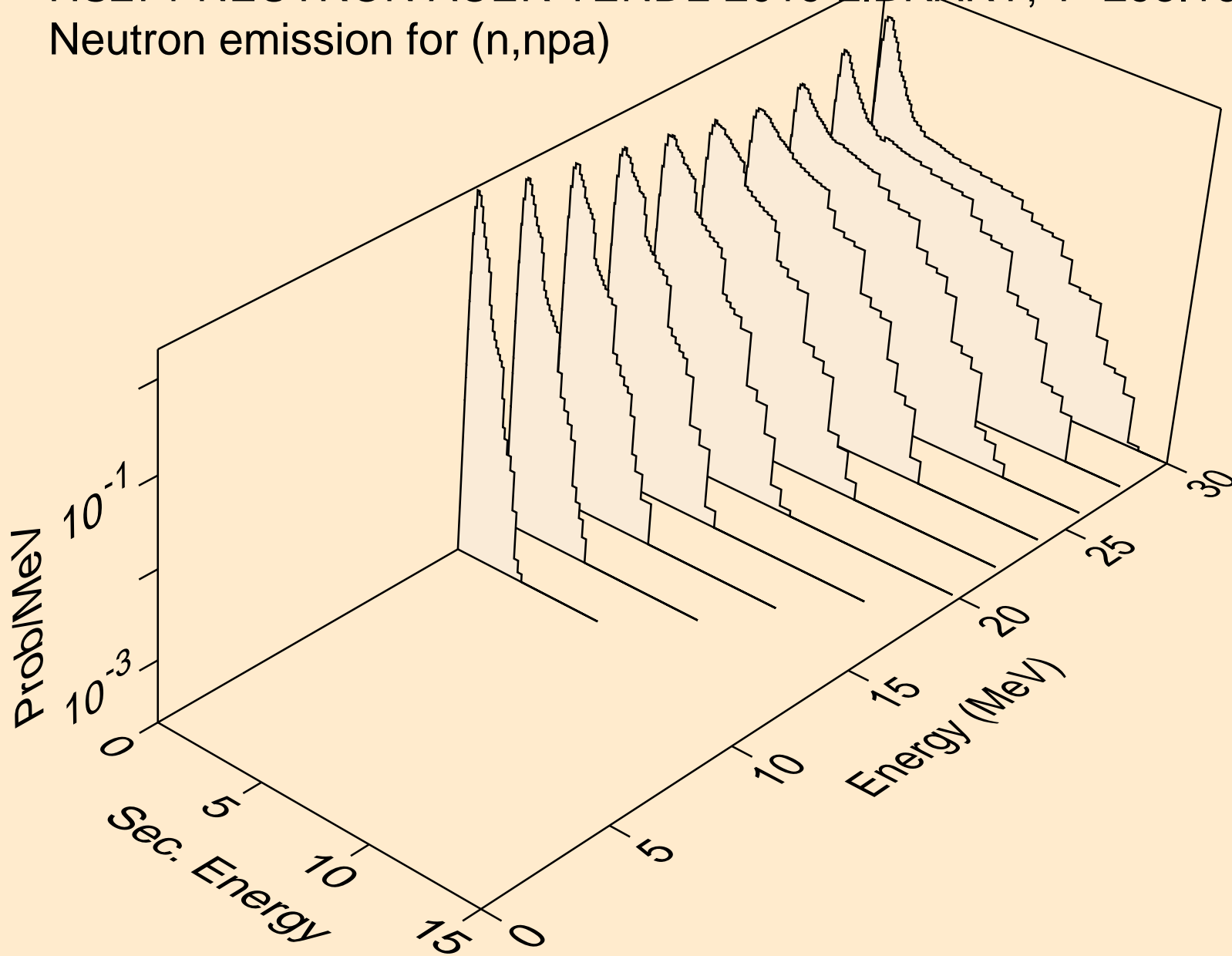
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Neutron emission for (n,3np)



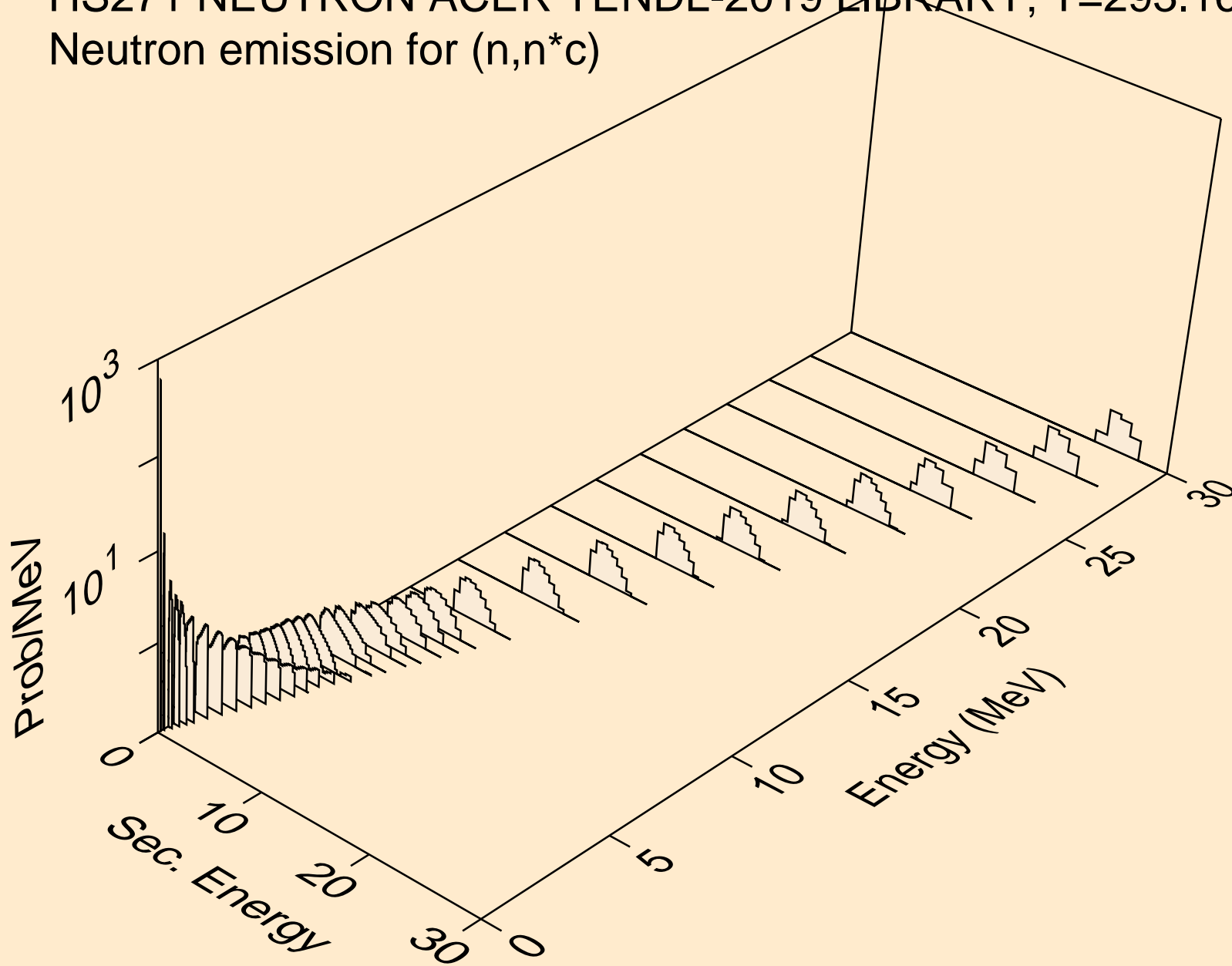
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Neutron emission for (n,2np)



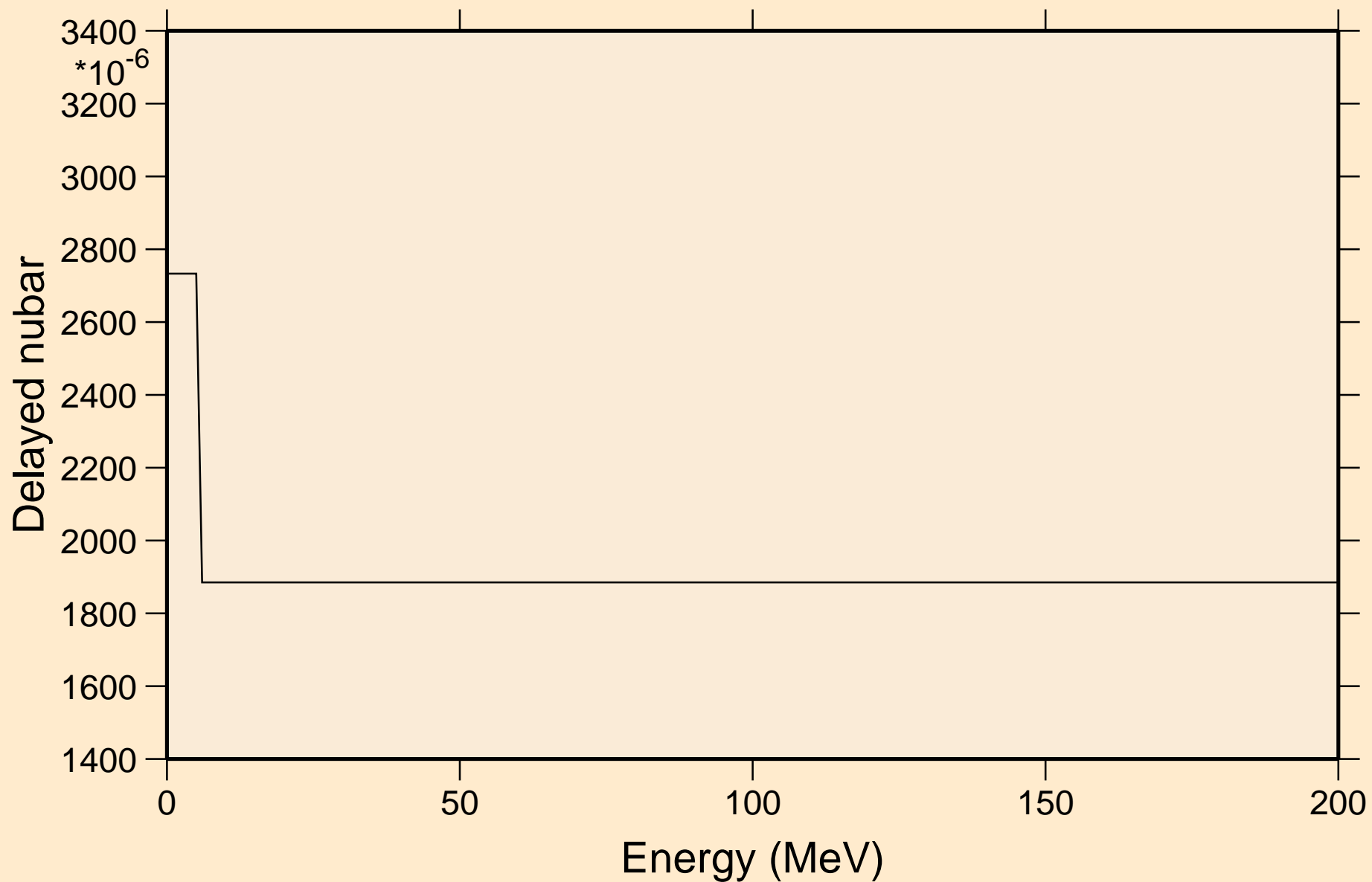
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



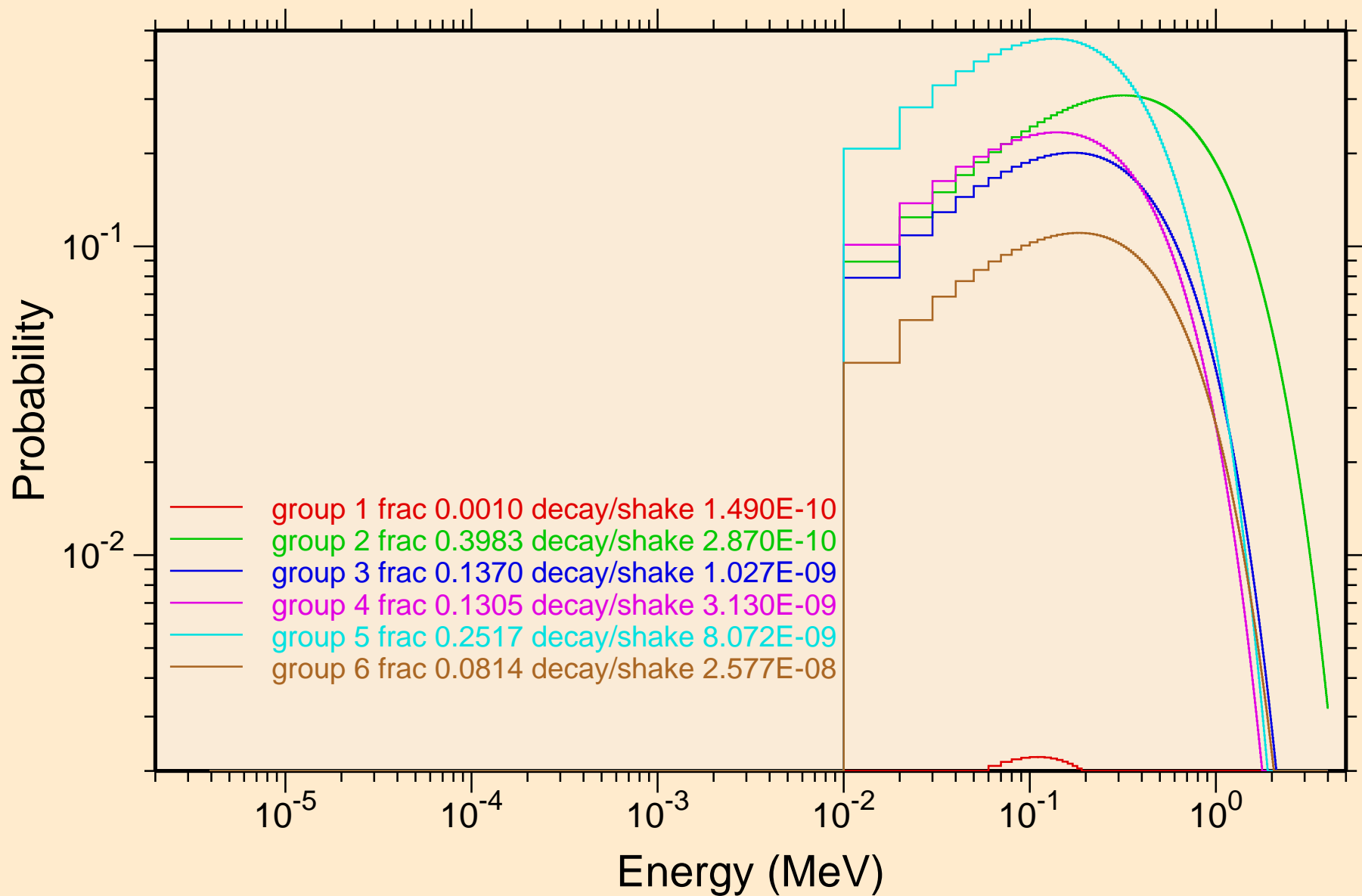
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Delayed nubar



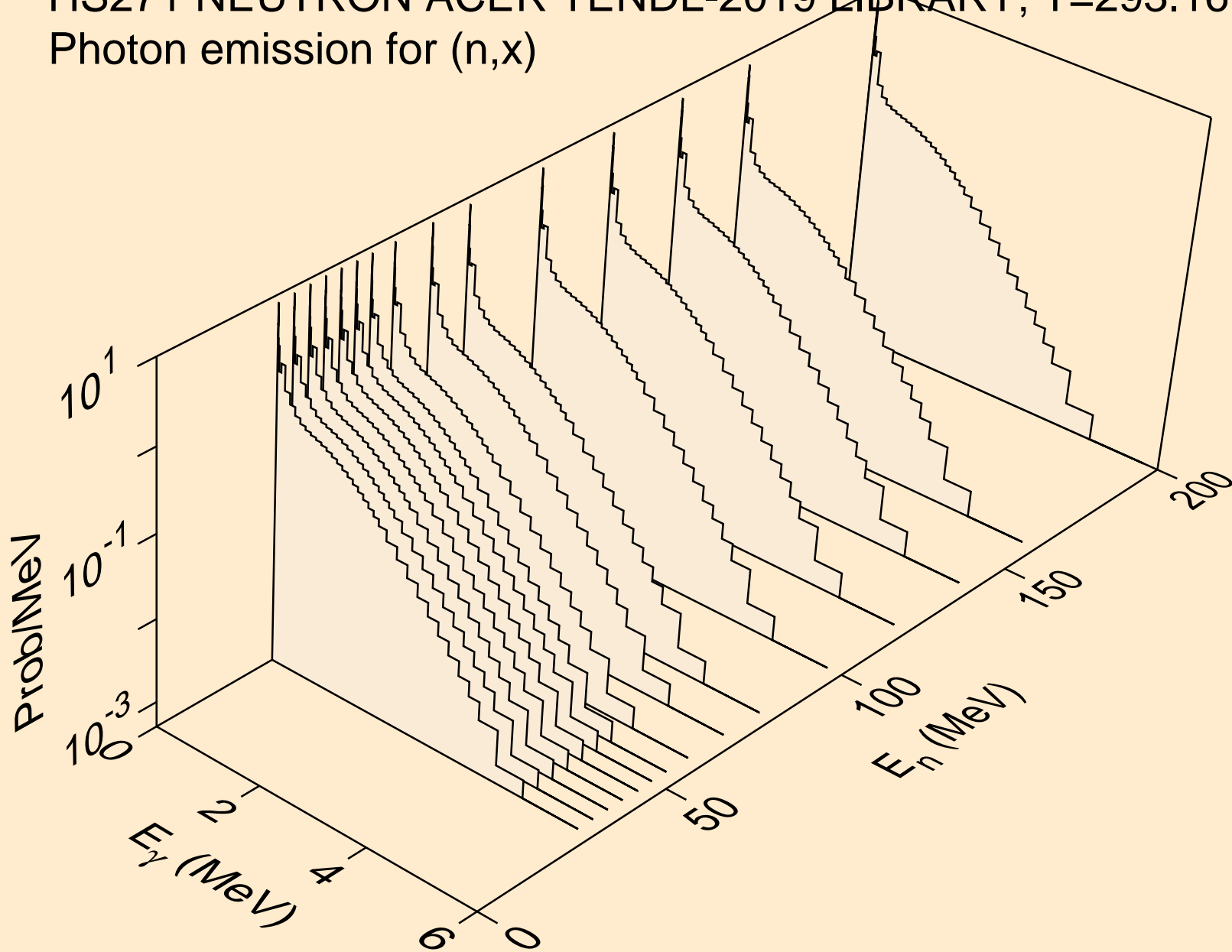


# HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

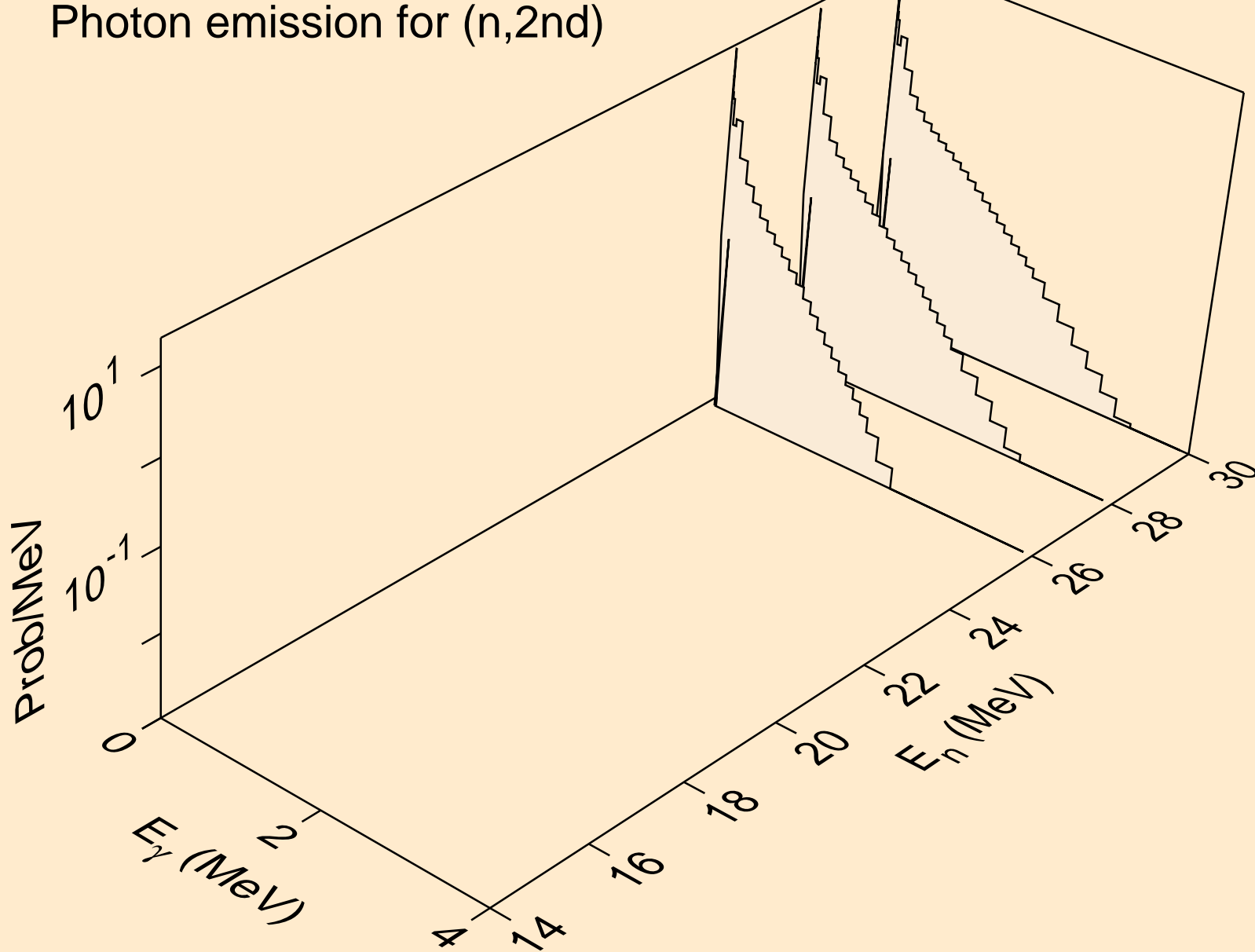
## Delayed neutron spectra



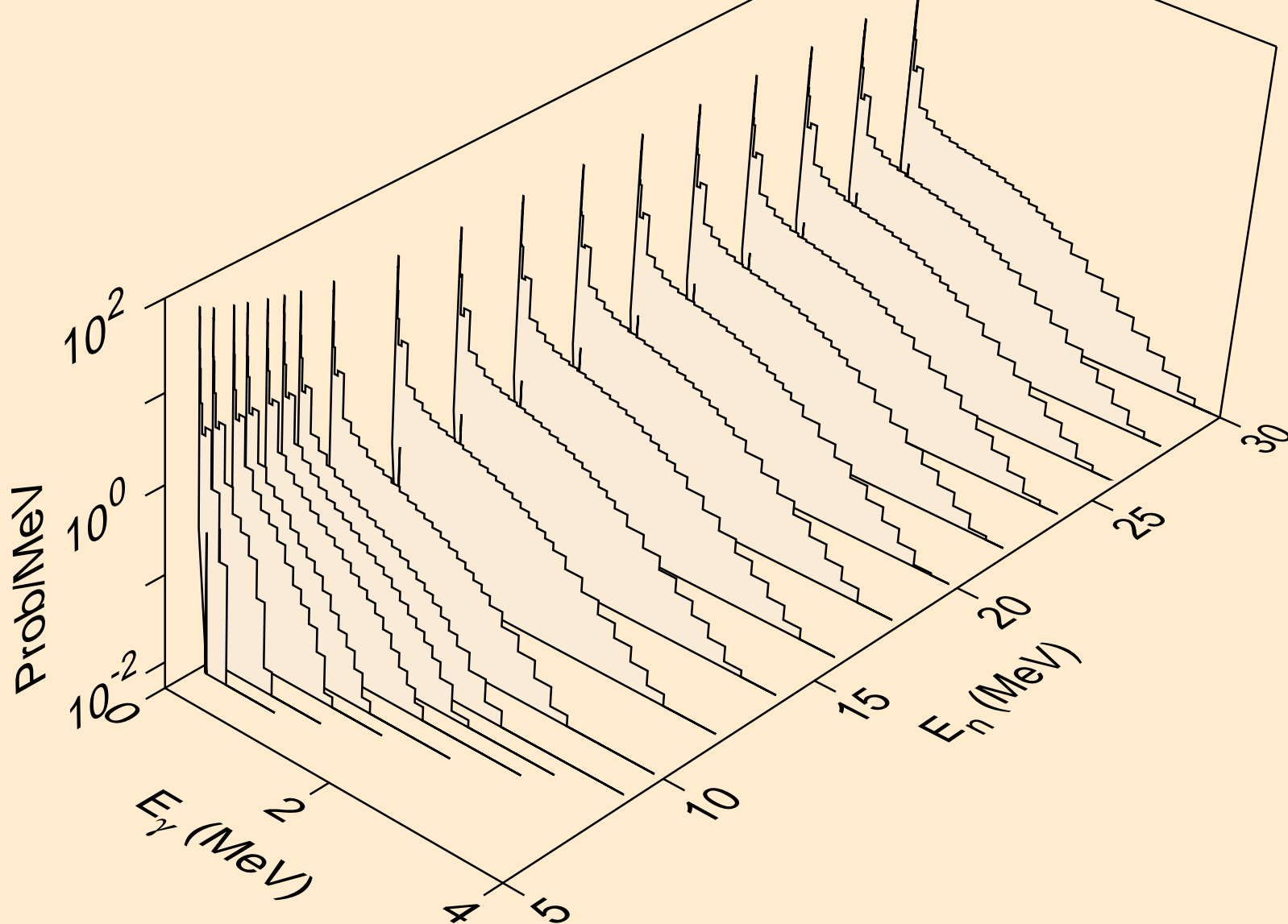
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Photon emission for (n,x)



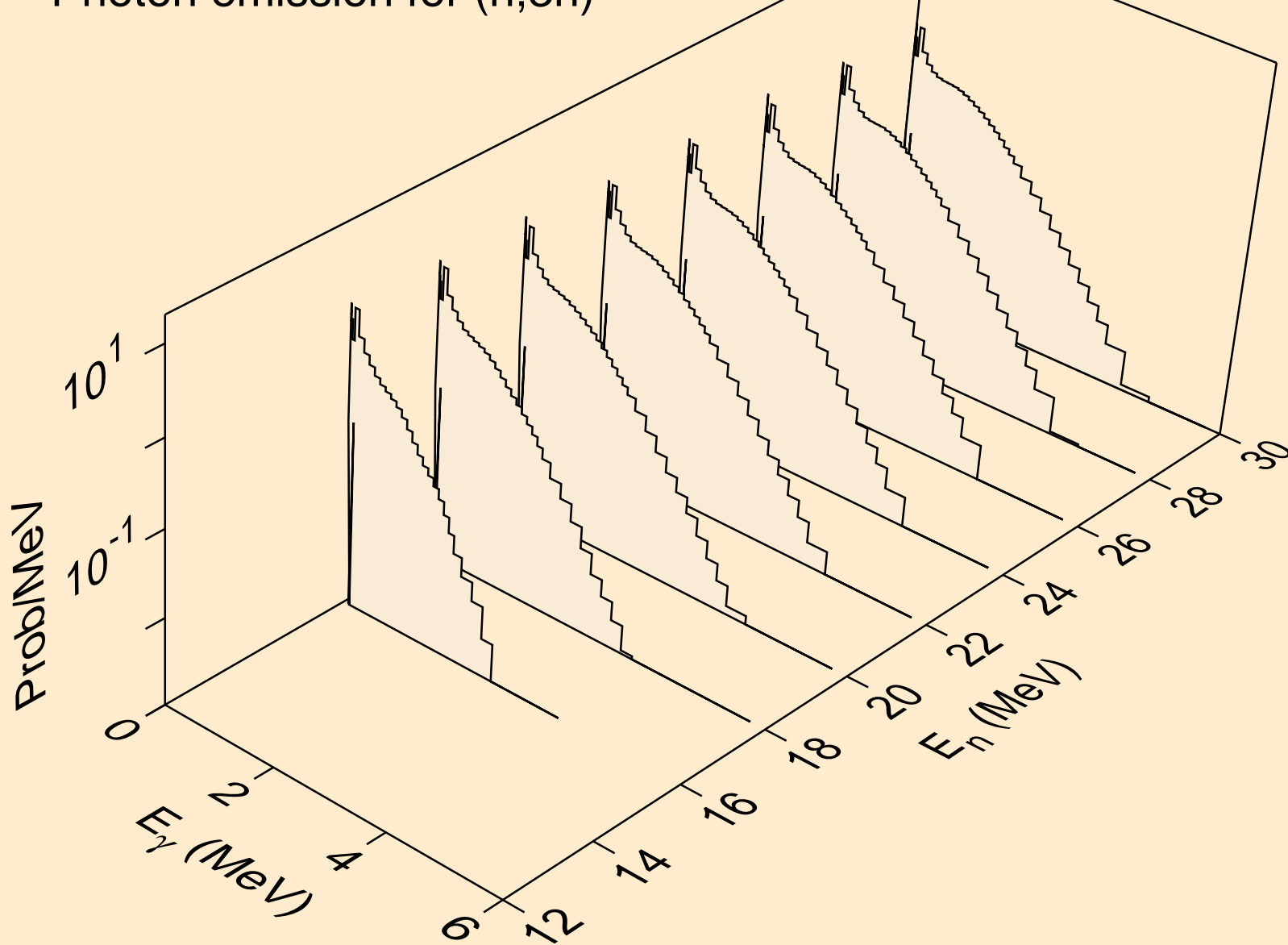
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Photon emission for (n,2nd)



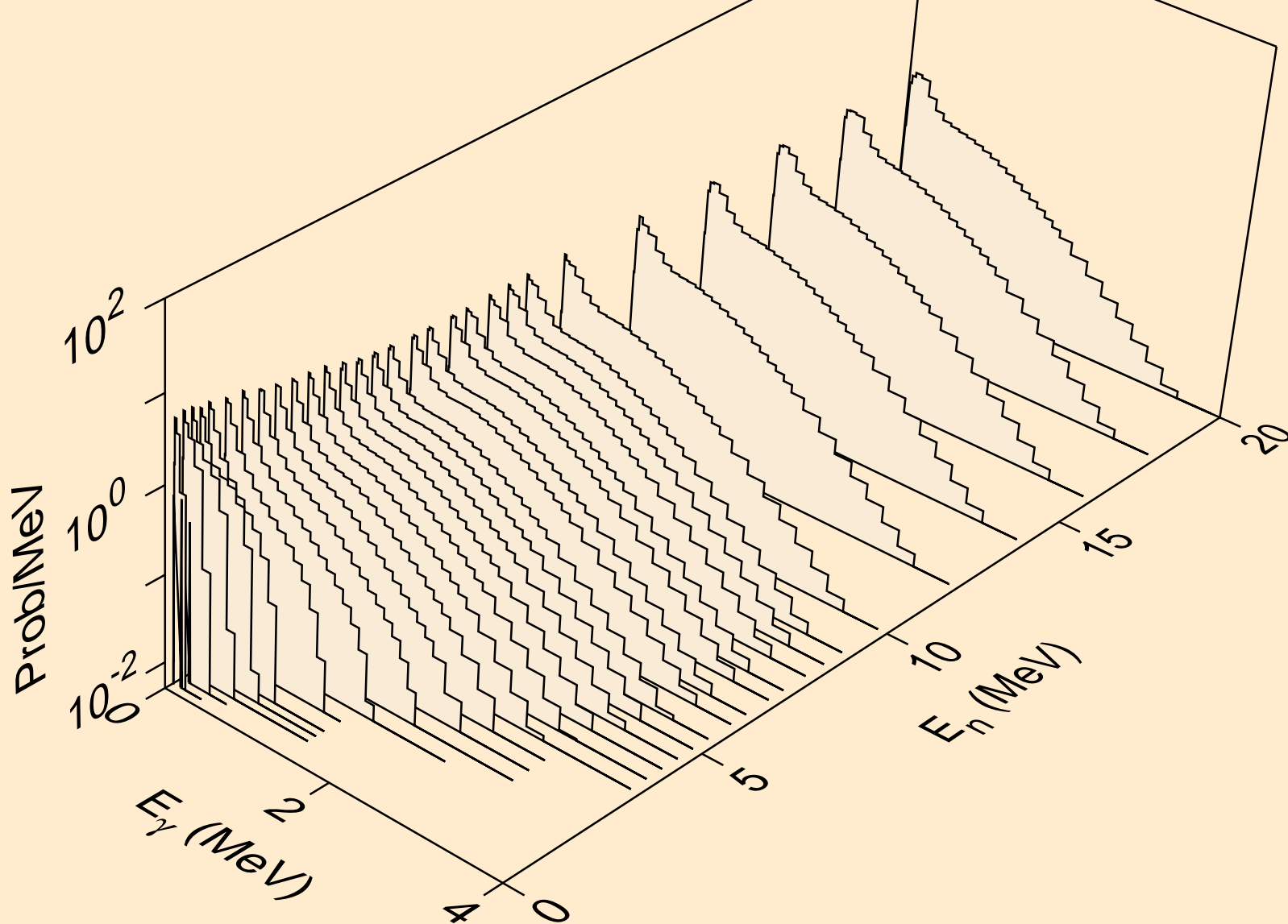
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Photon emission for (n,2n)



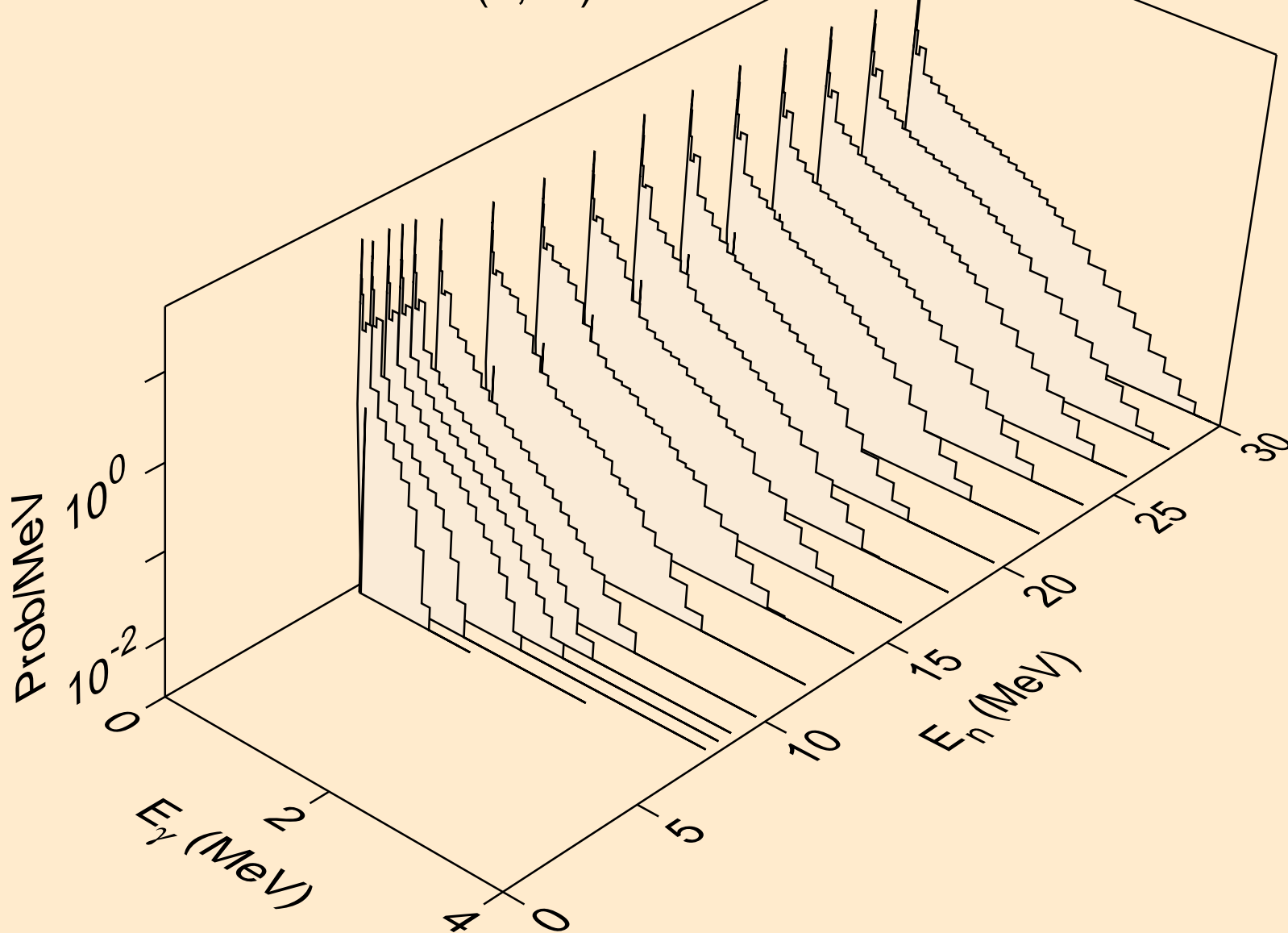
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Photon emission for (n,3n)



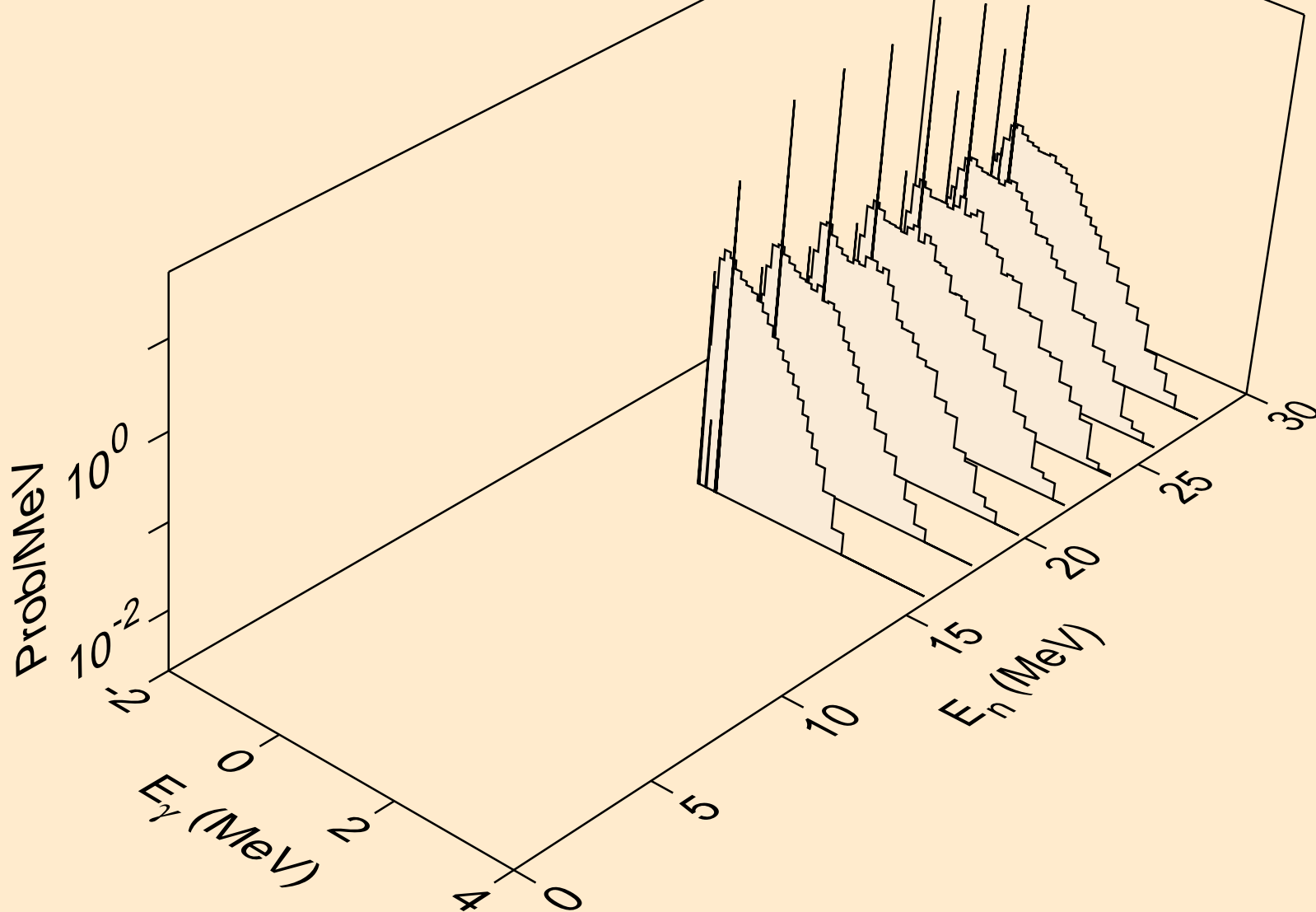
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)<sub>a</sub>

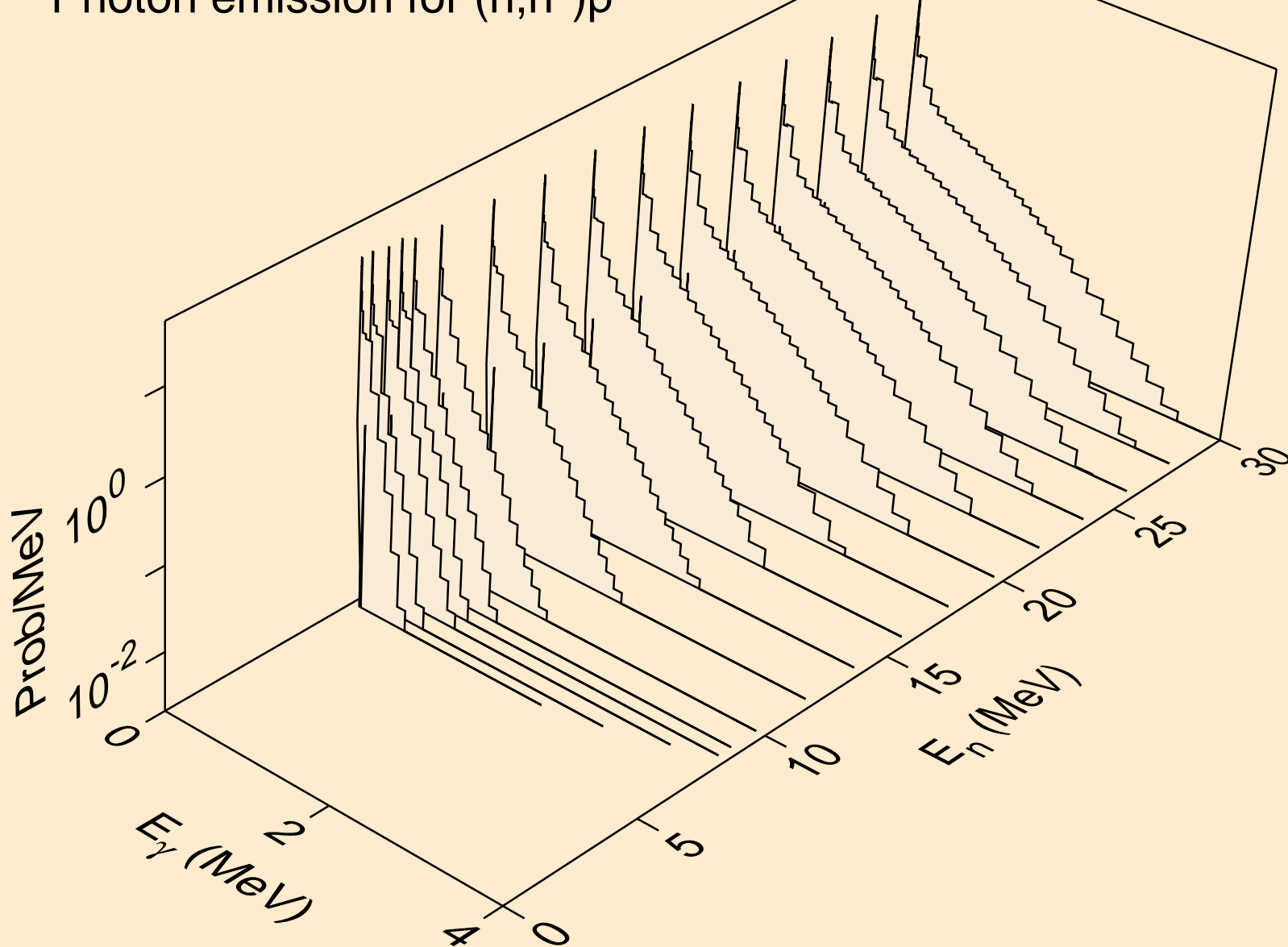


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

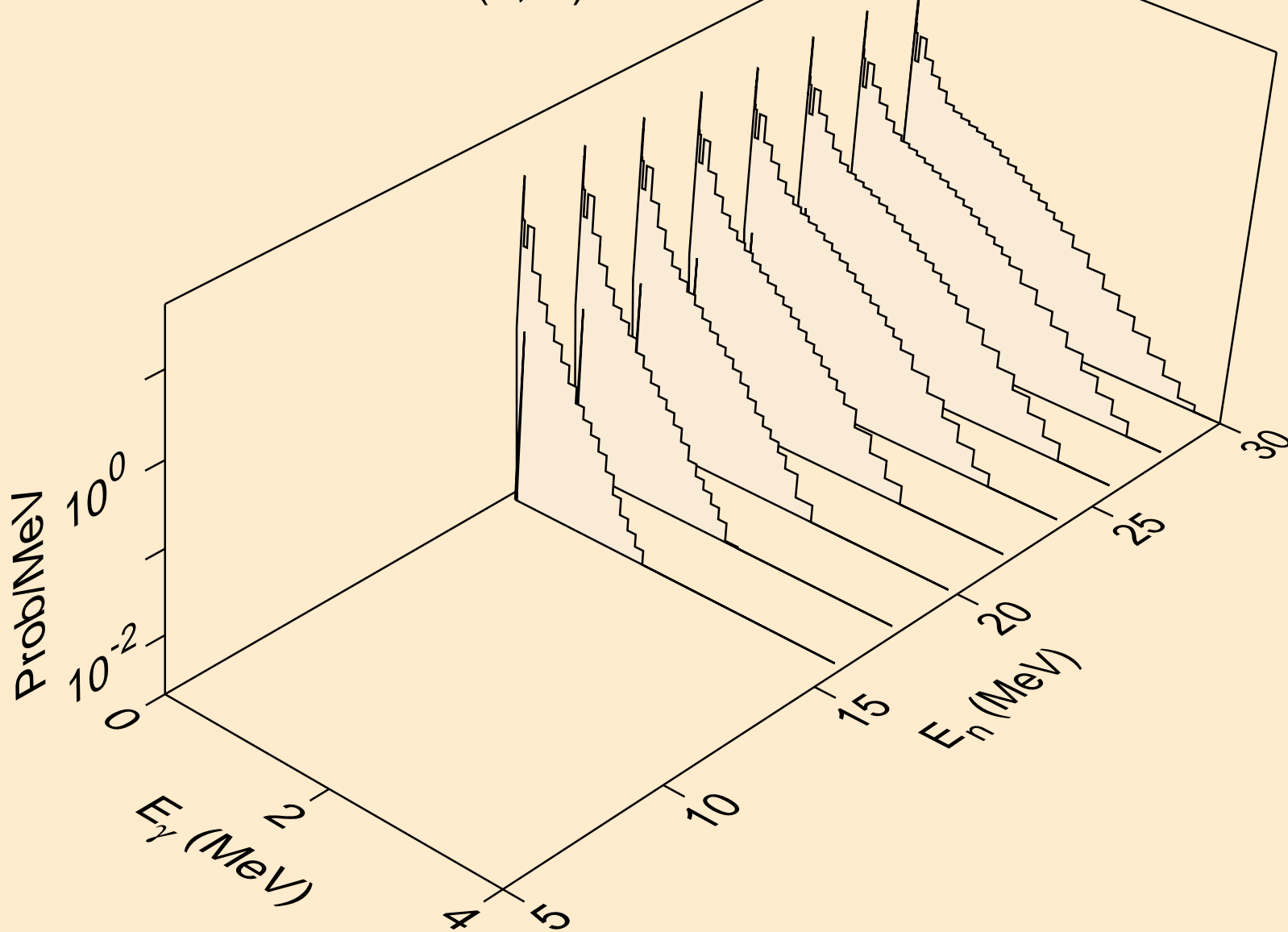




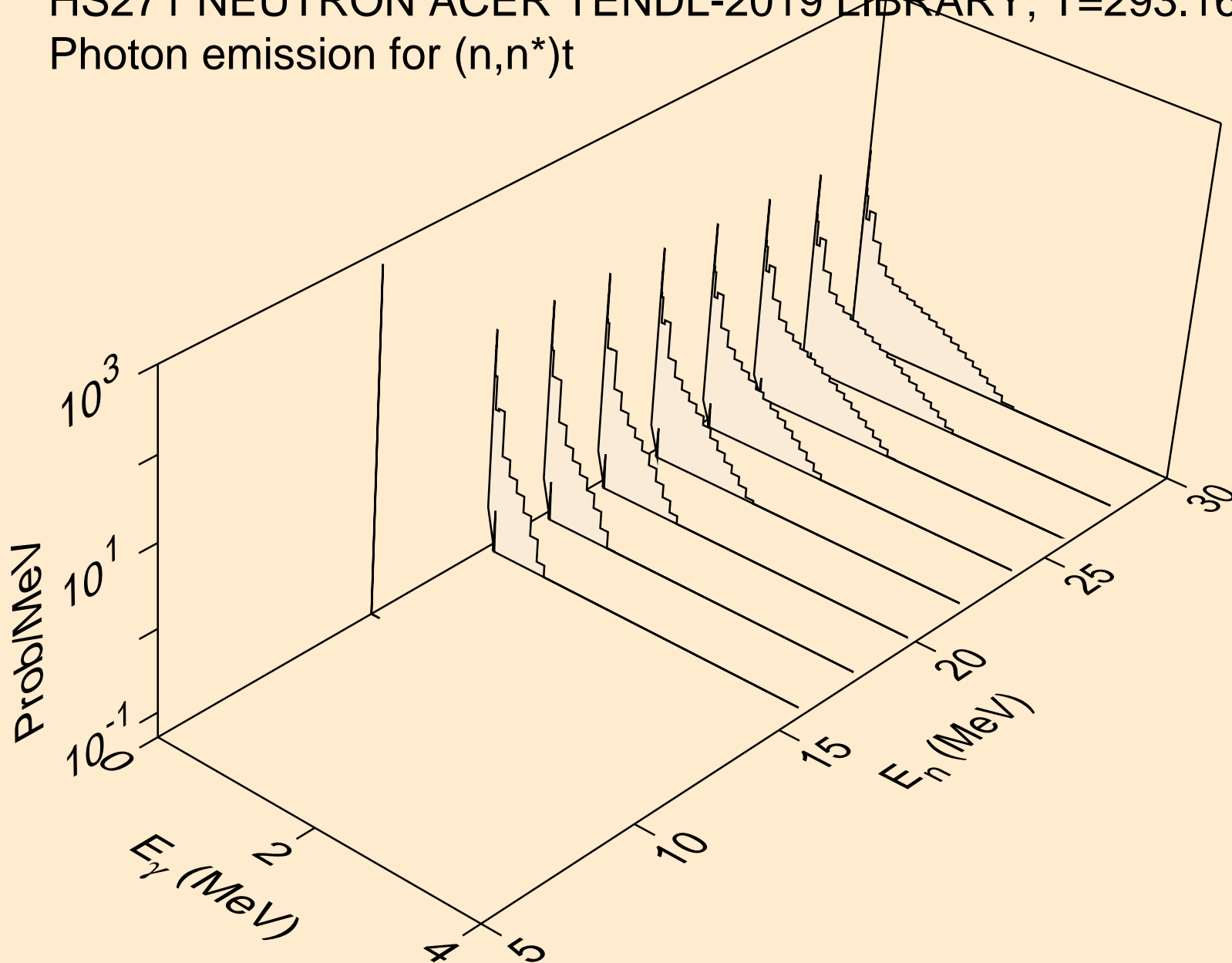
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Photon emission for (n,n\*)p



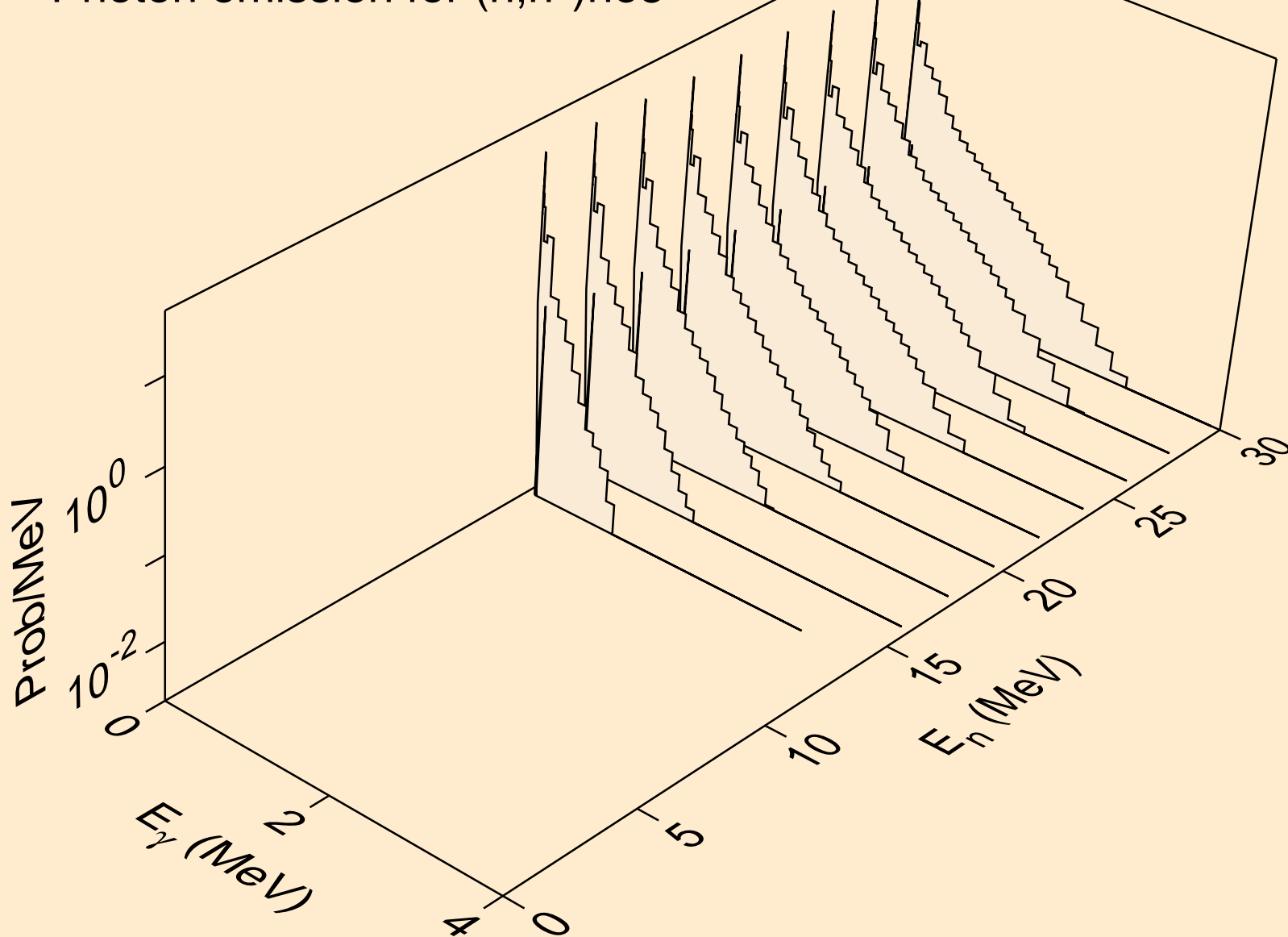
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Photon emission for (n,n\*)d



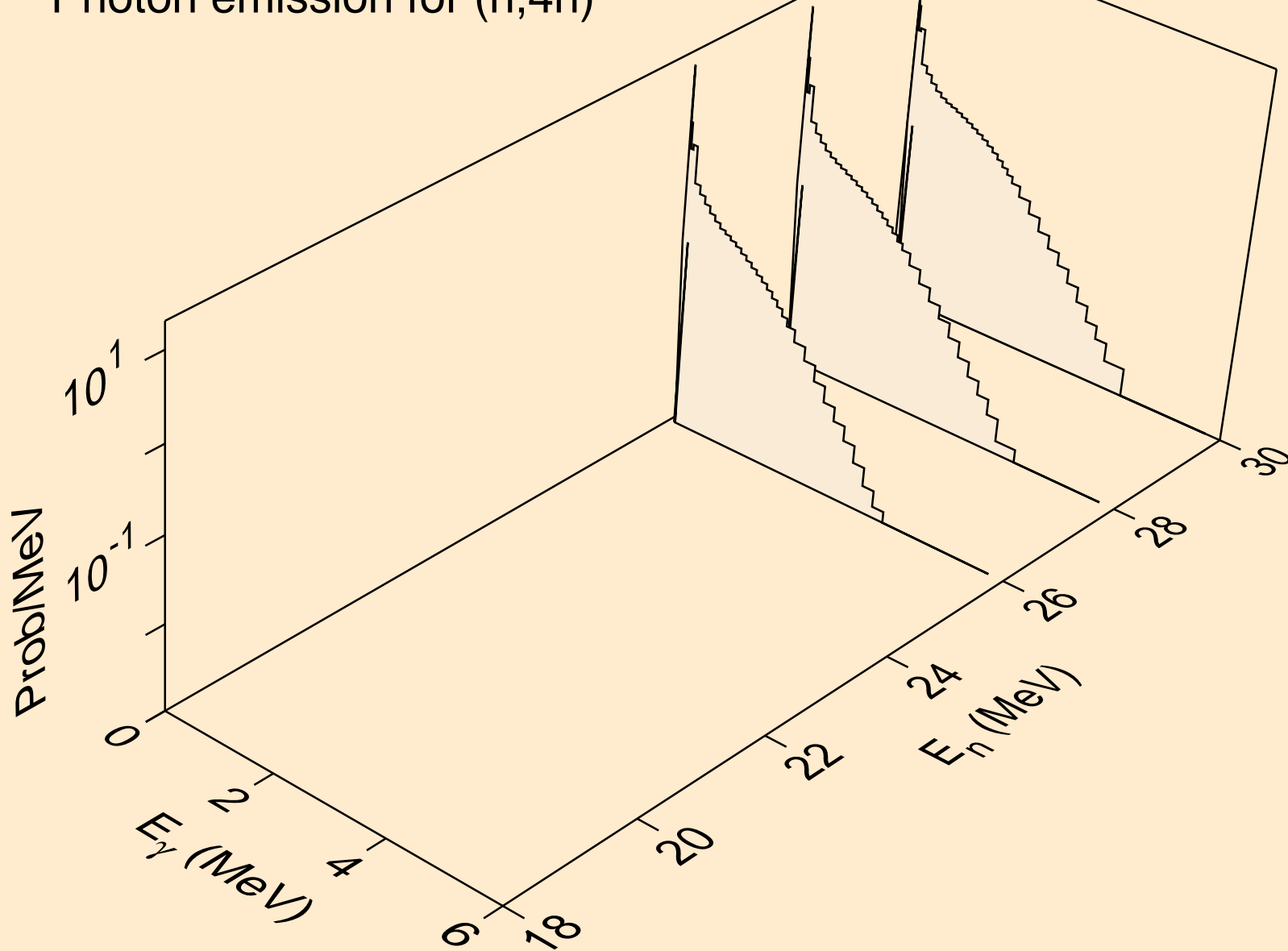
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Photon emission for (n,n\*)t



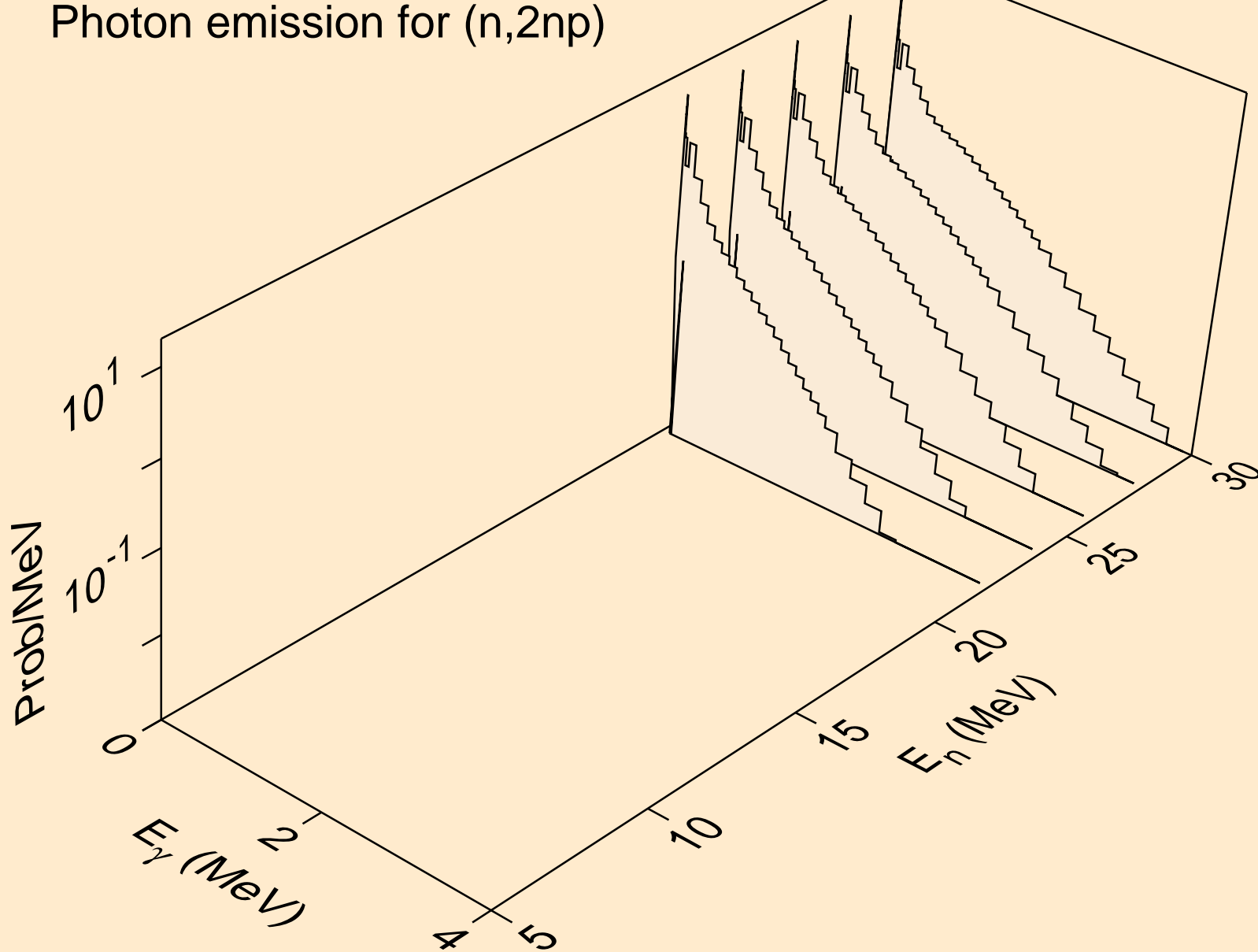
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Photon emission for (n,n\*)he3



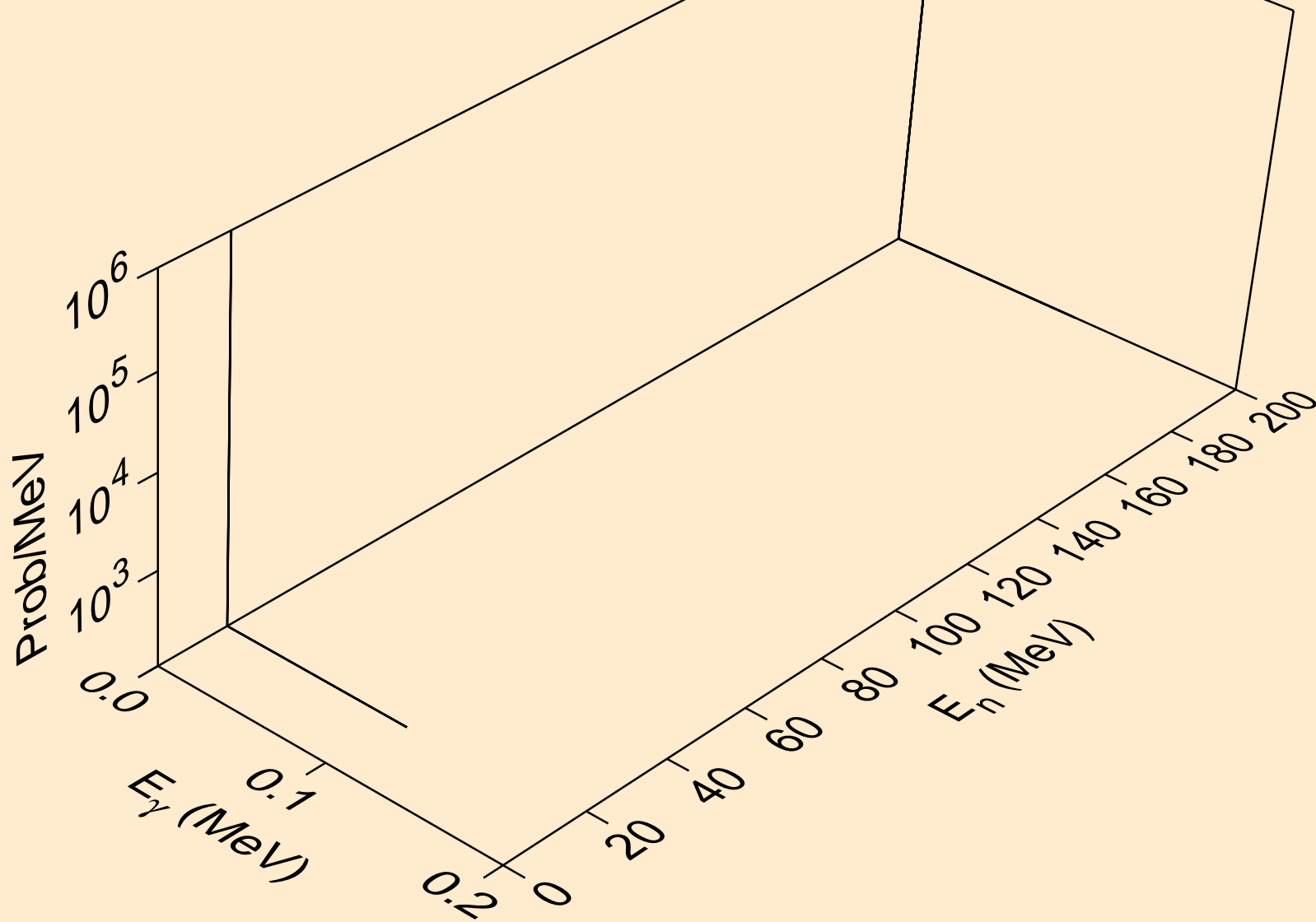
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Photon emission for (n,4n)



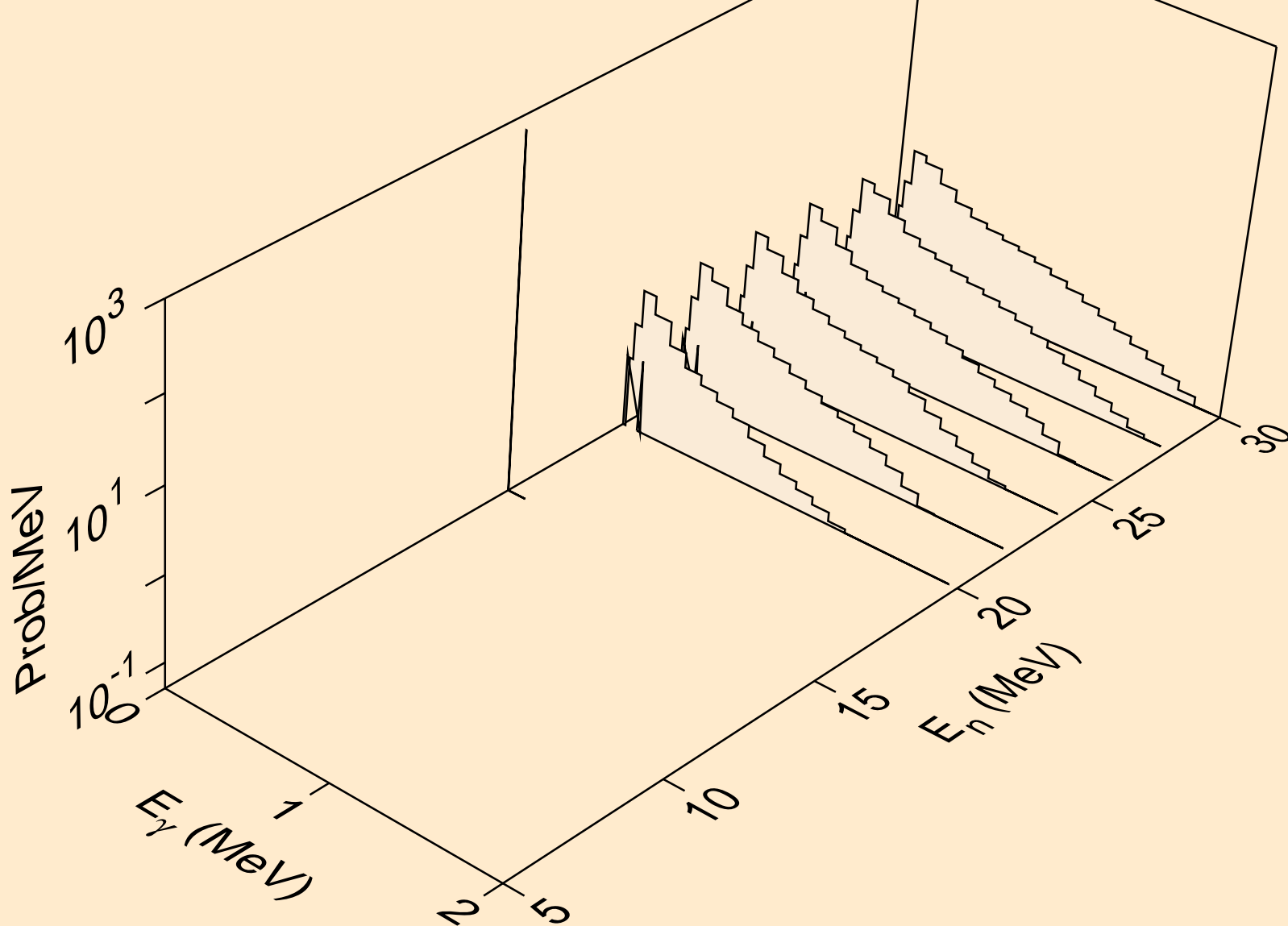
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

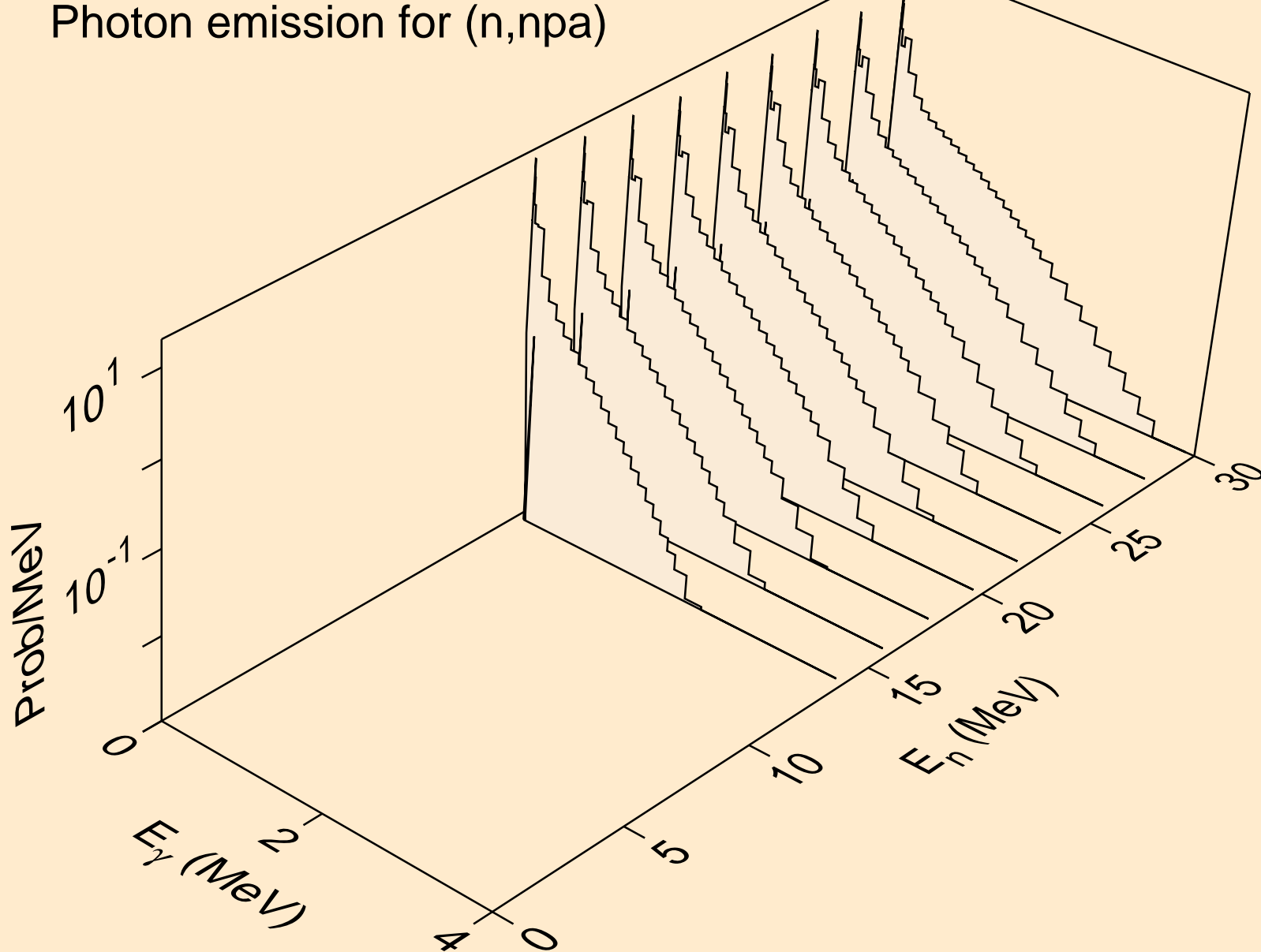


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

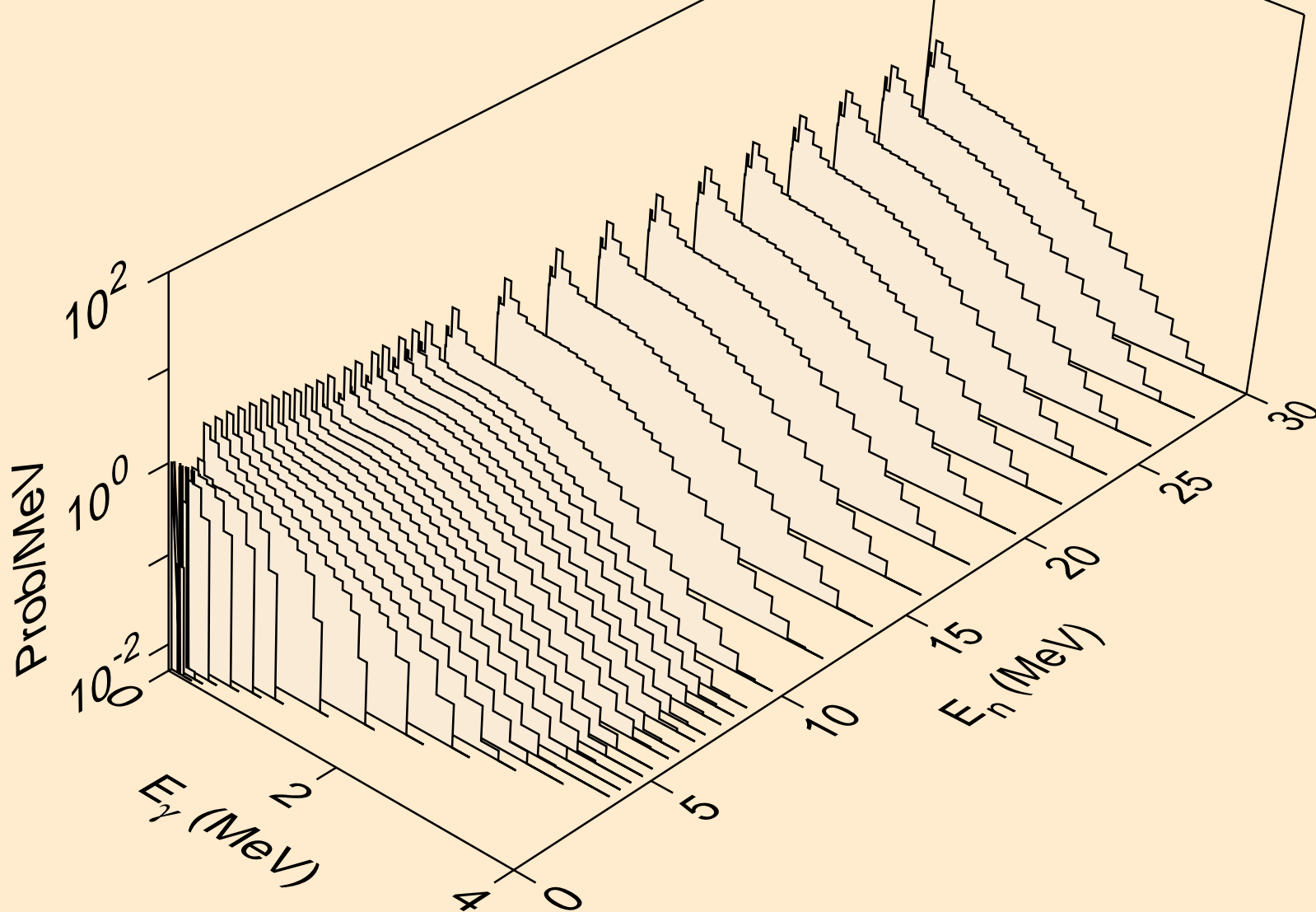




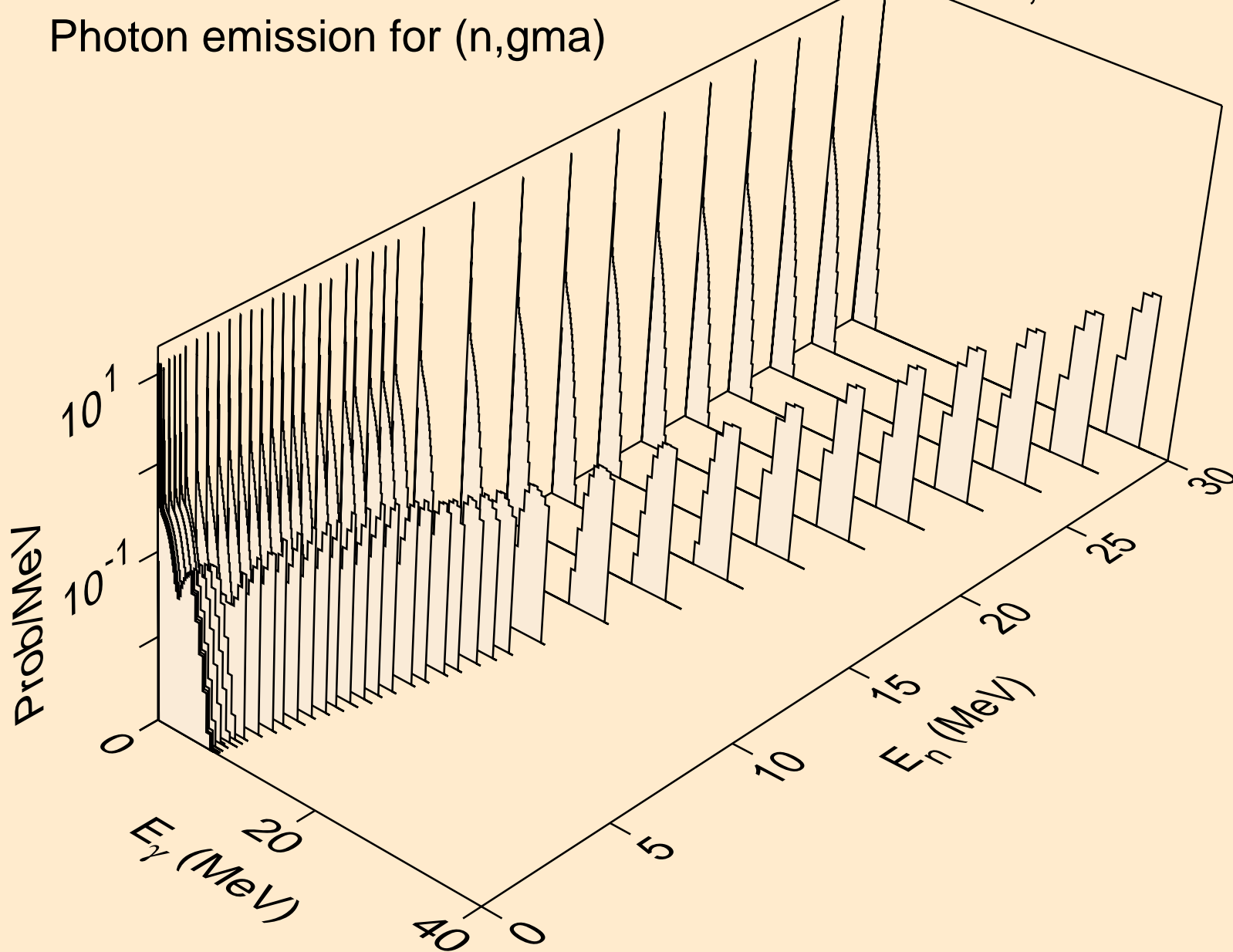
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



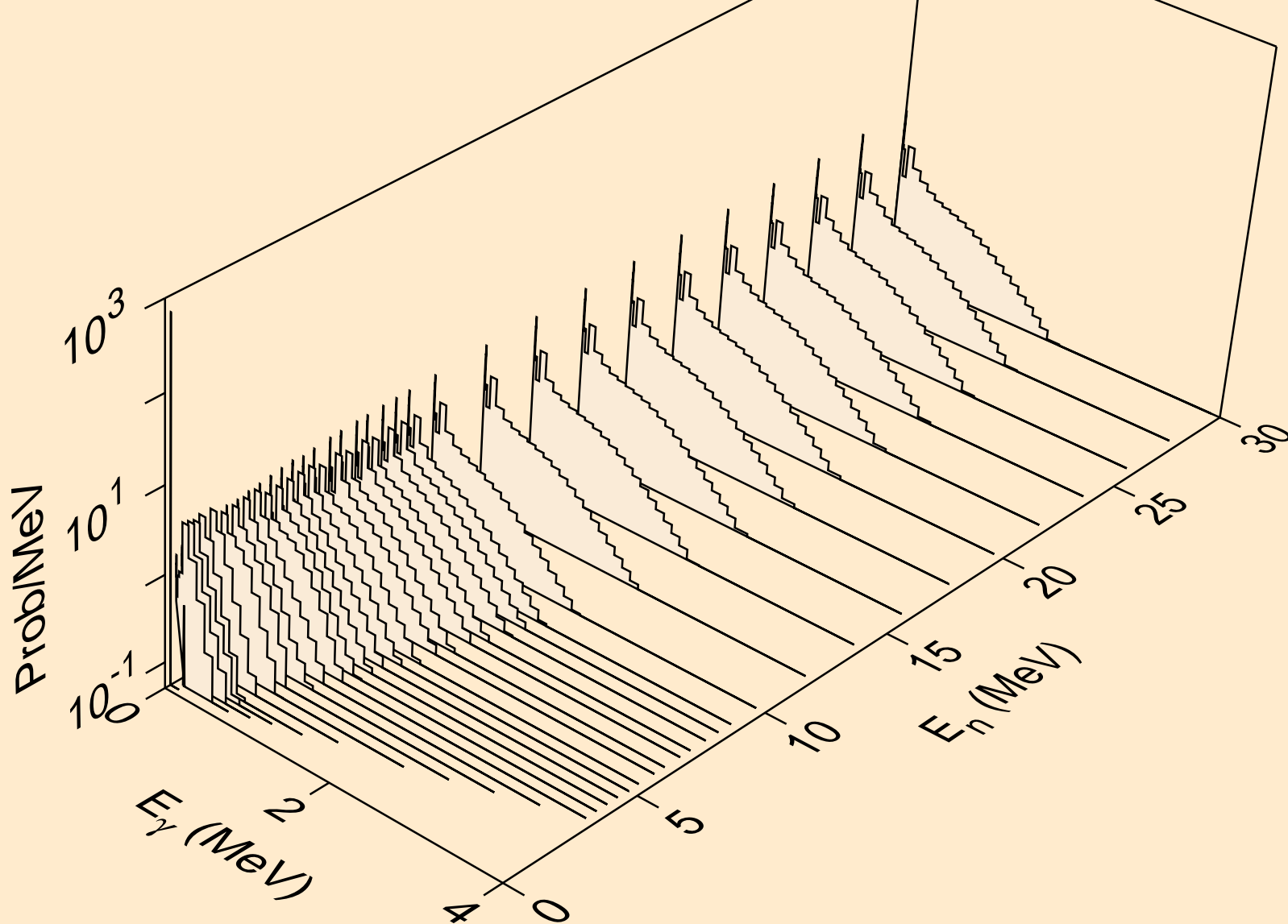
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



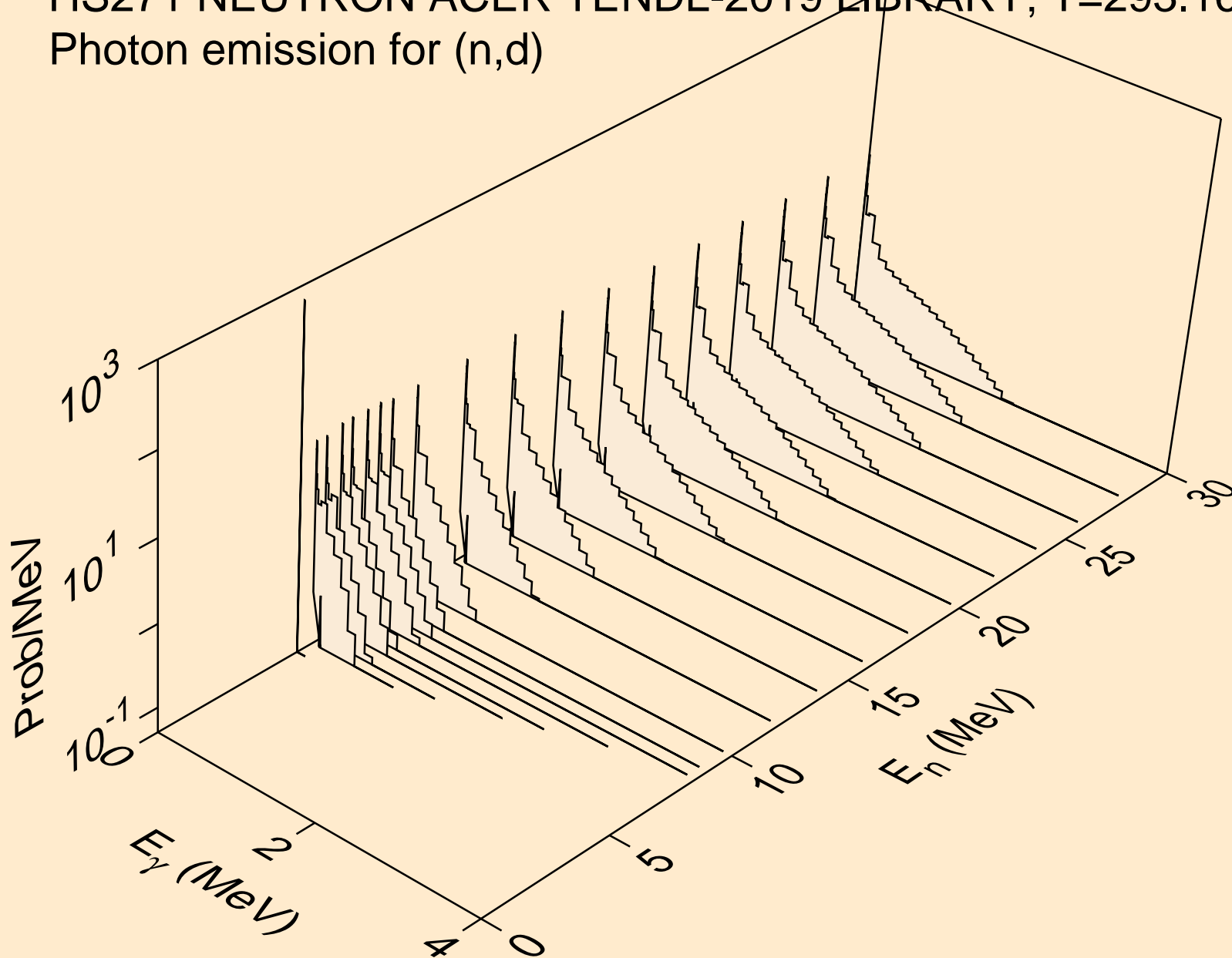
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



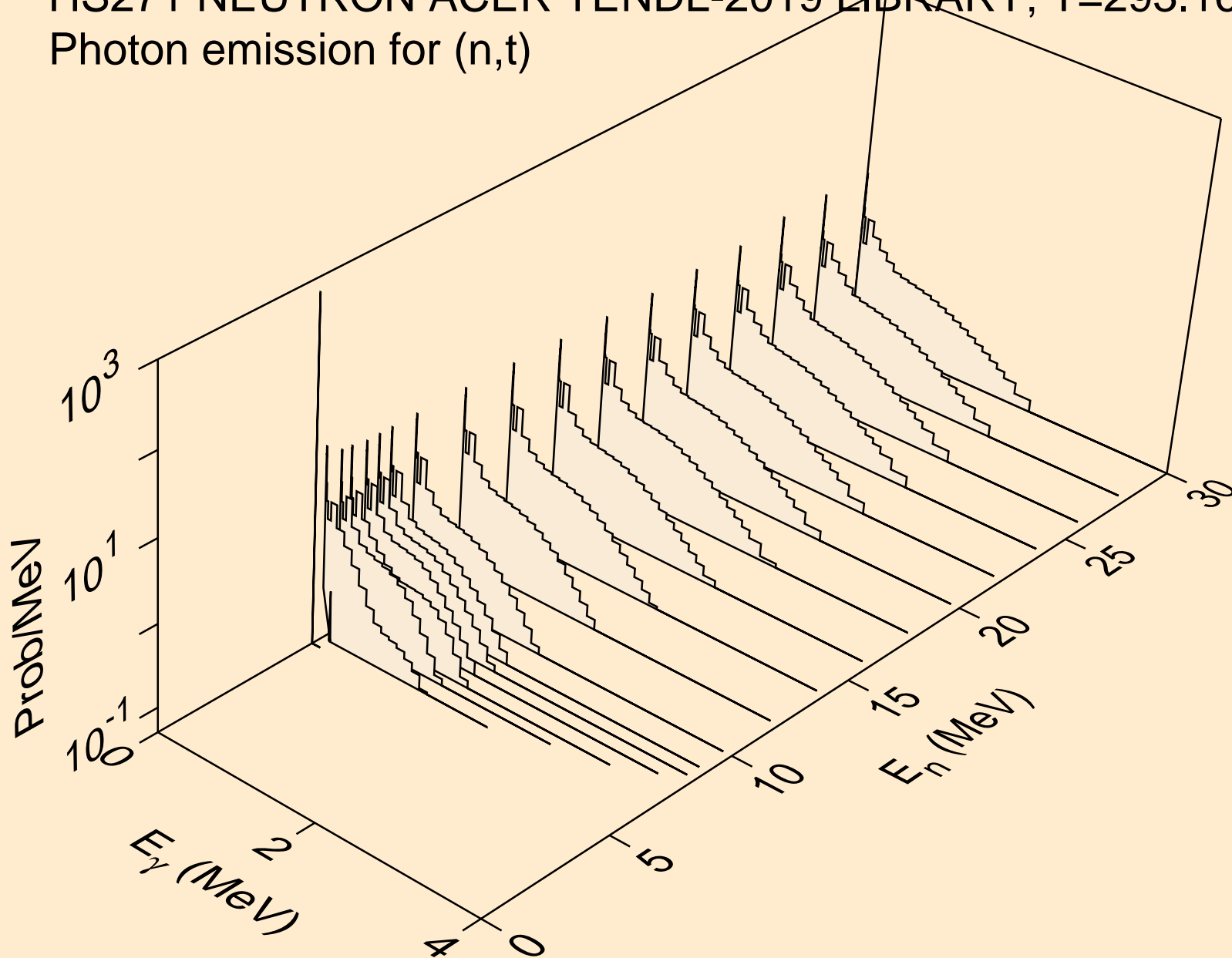
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



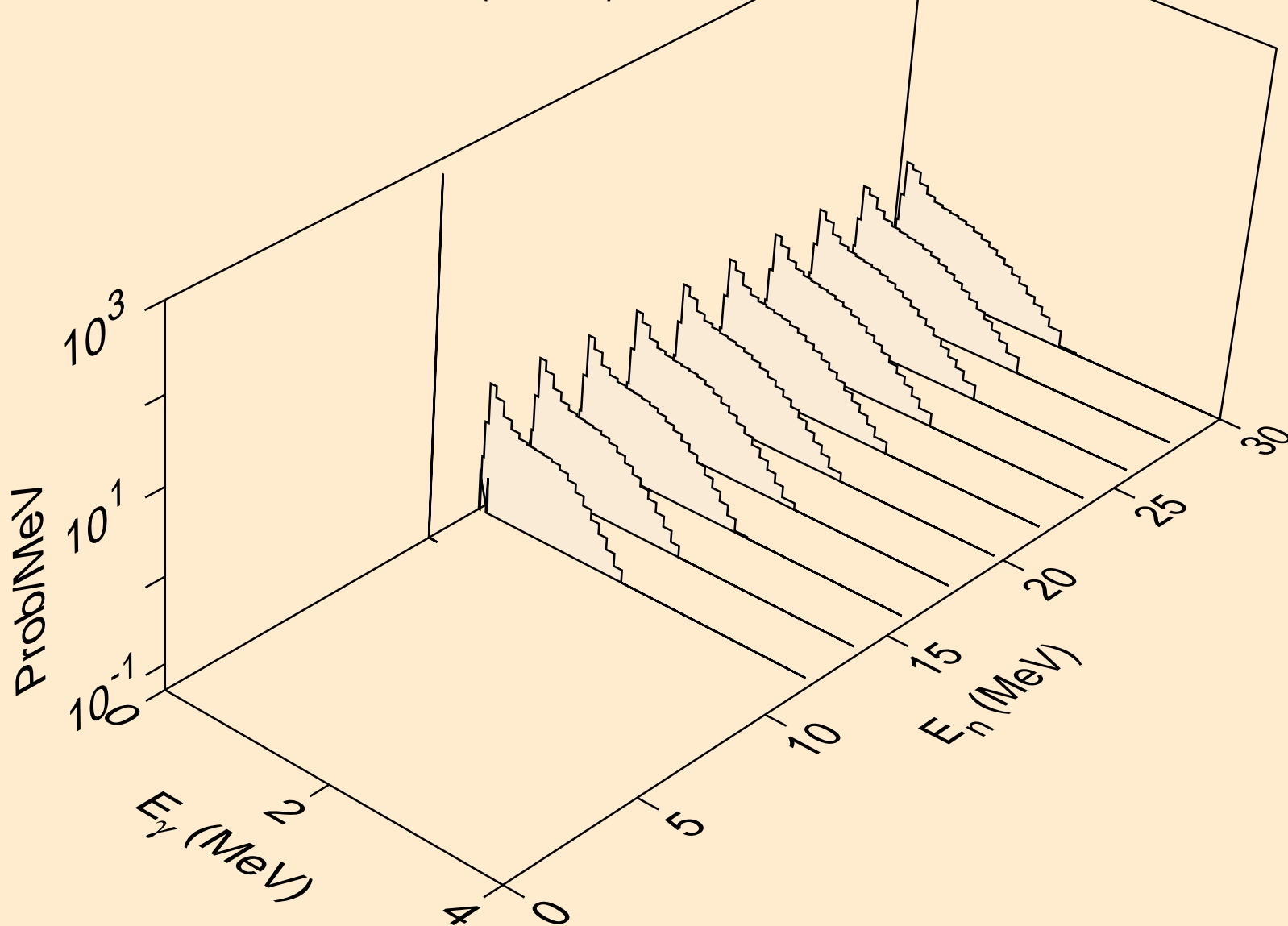
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



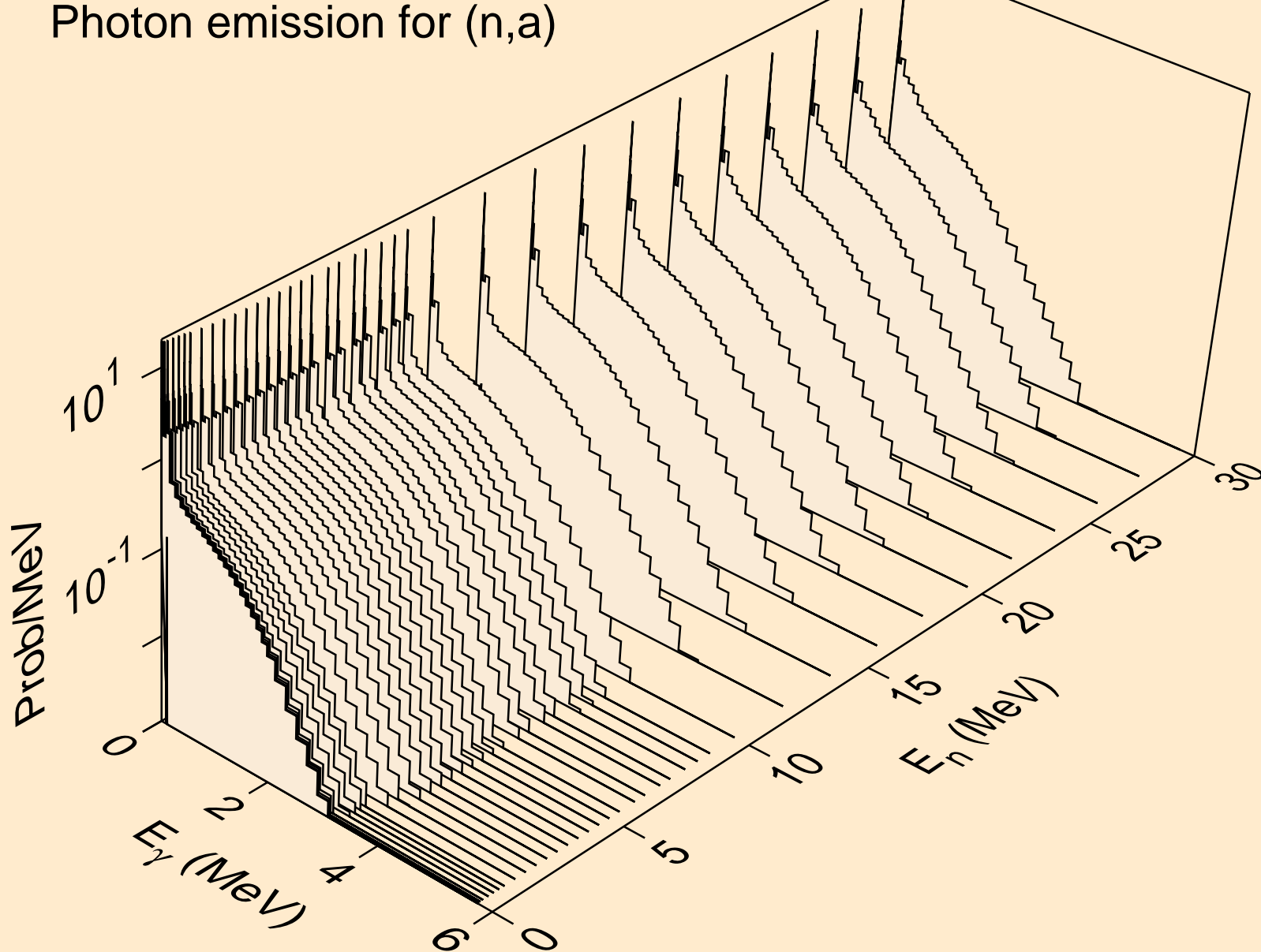
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

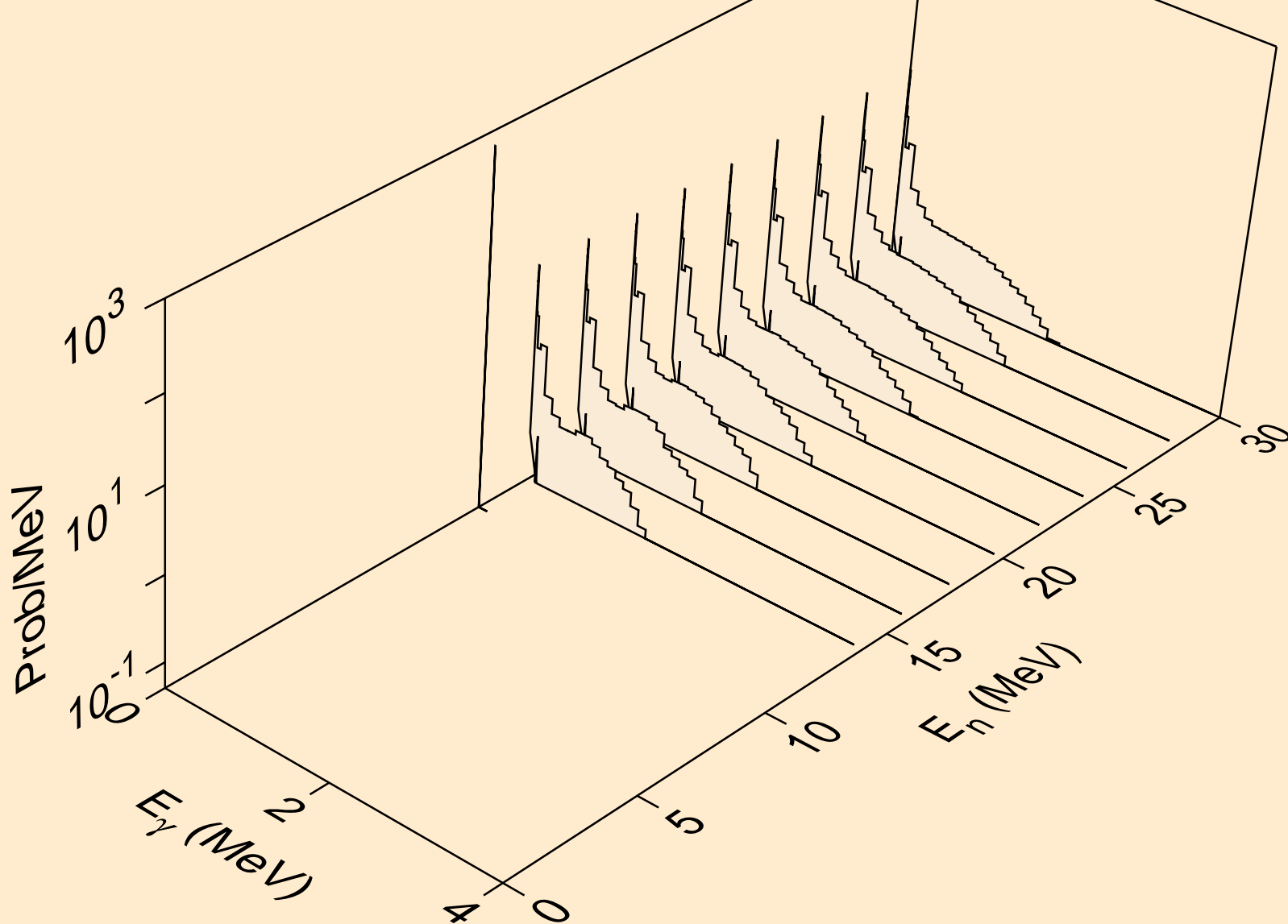


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

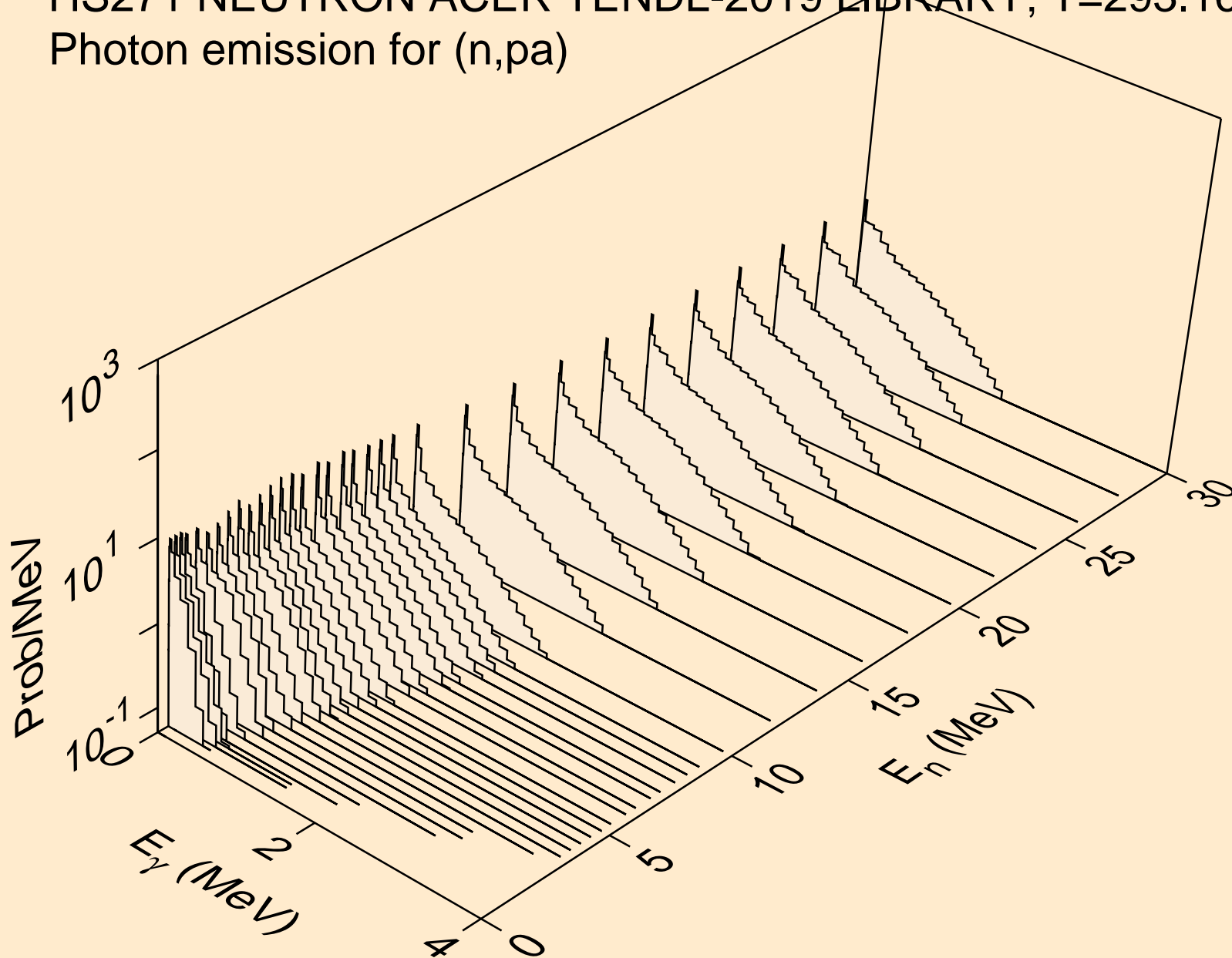




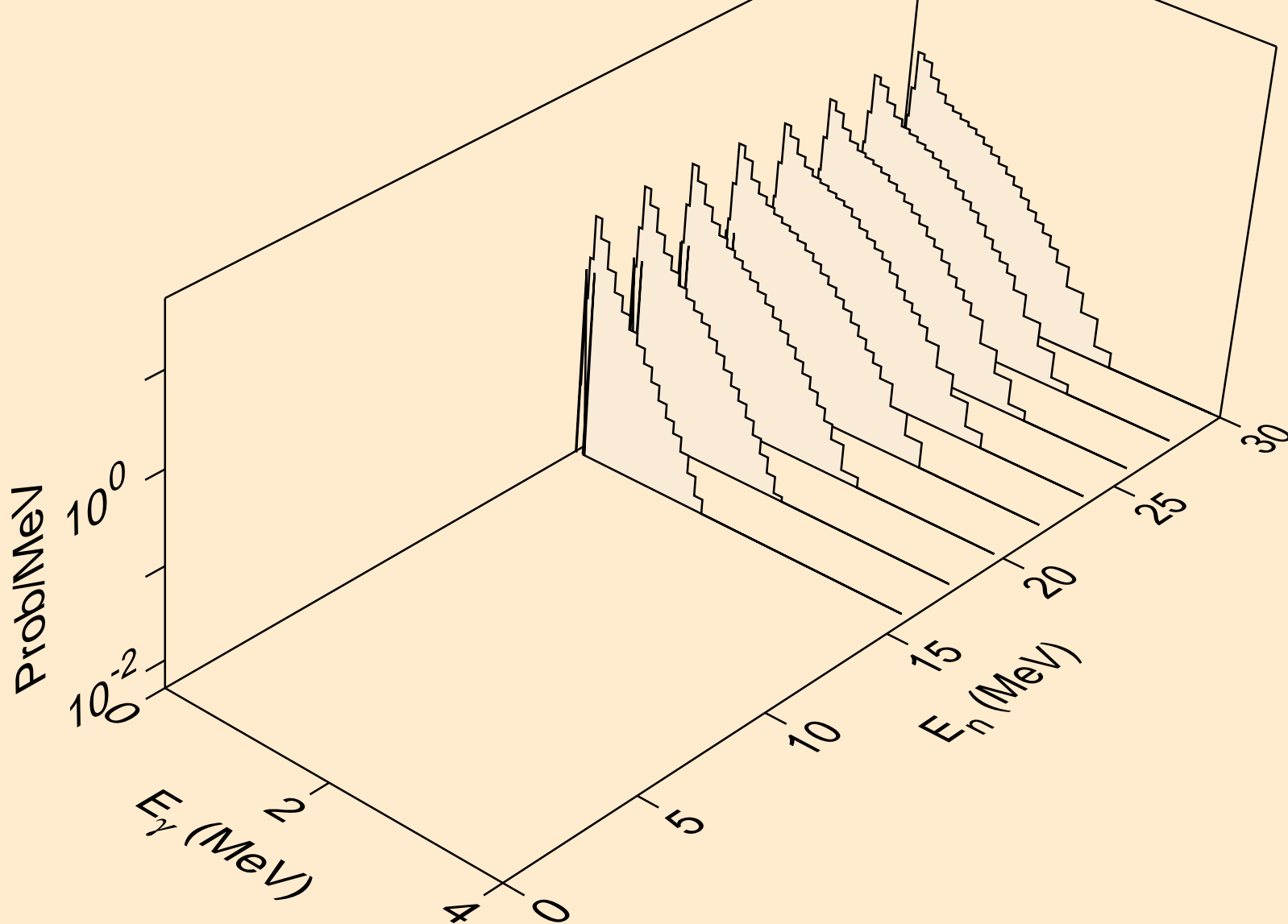
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Photon emission for (n,2p)



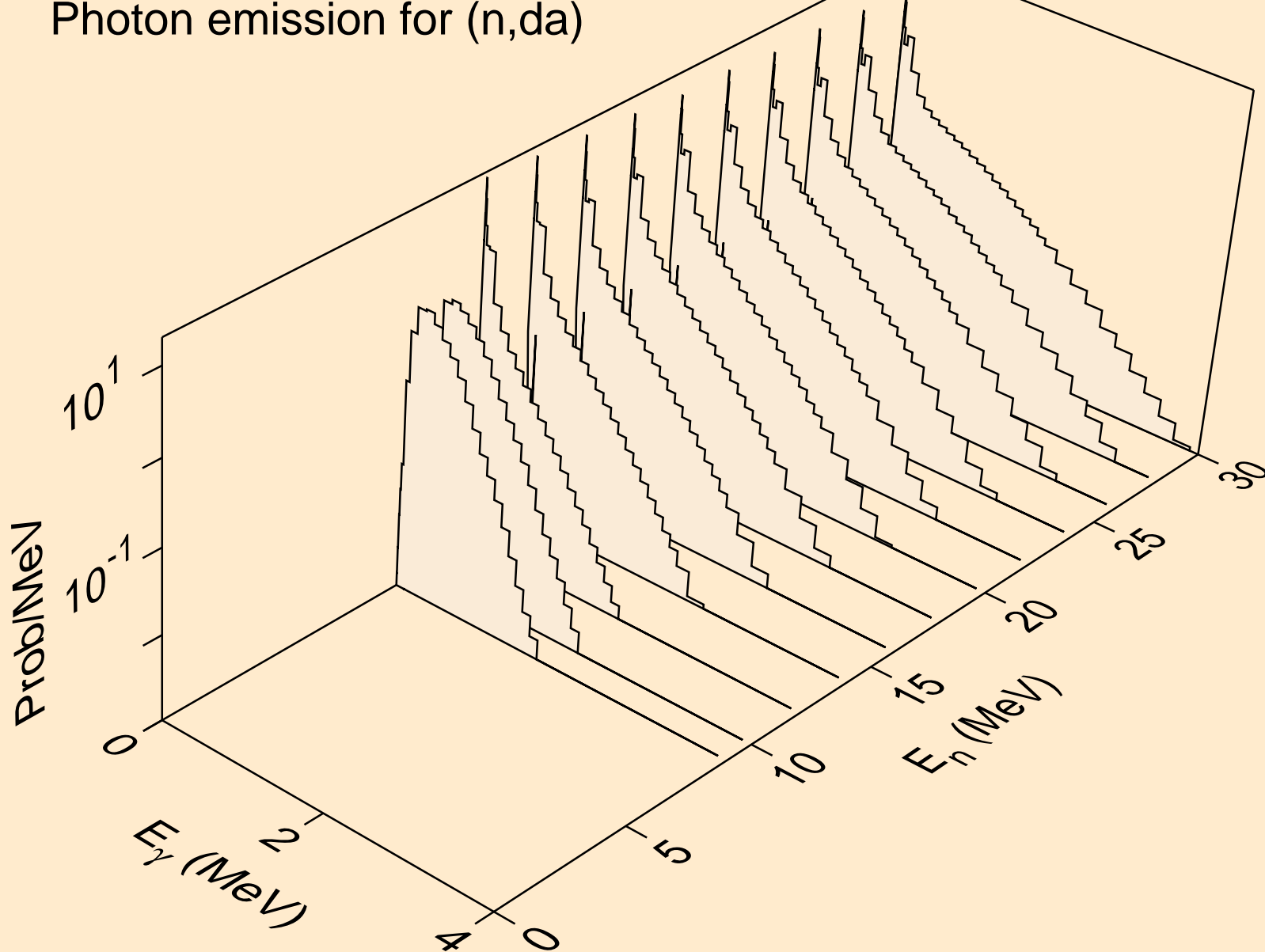
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Photon emission for (n,p)



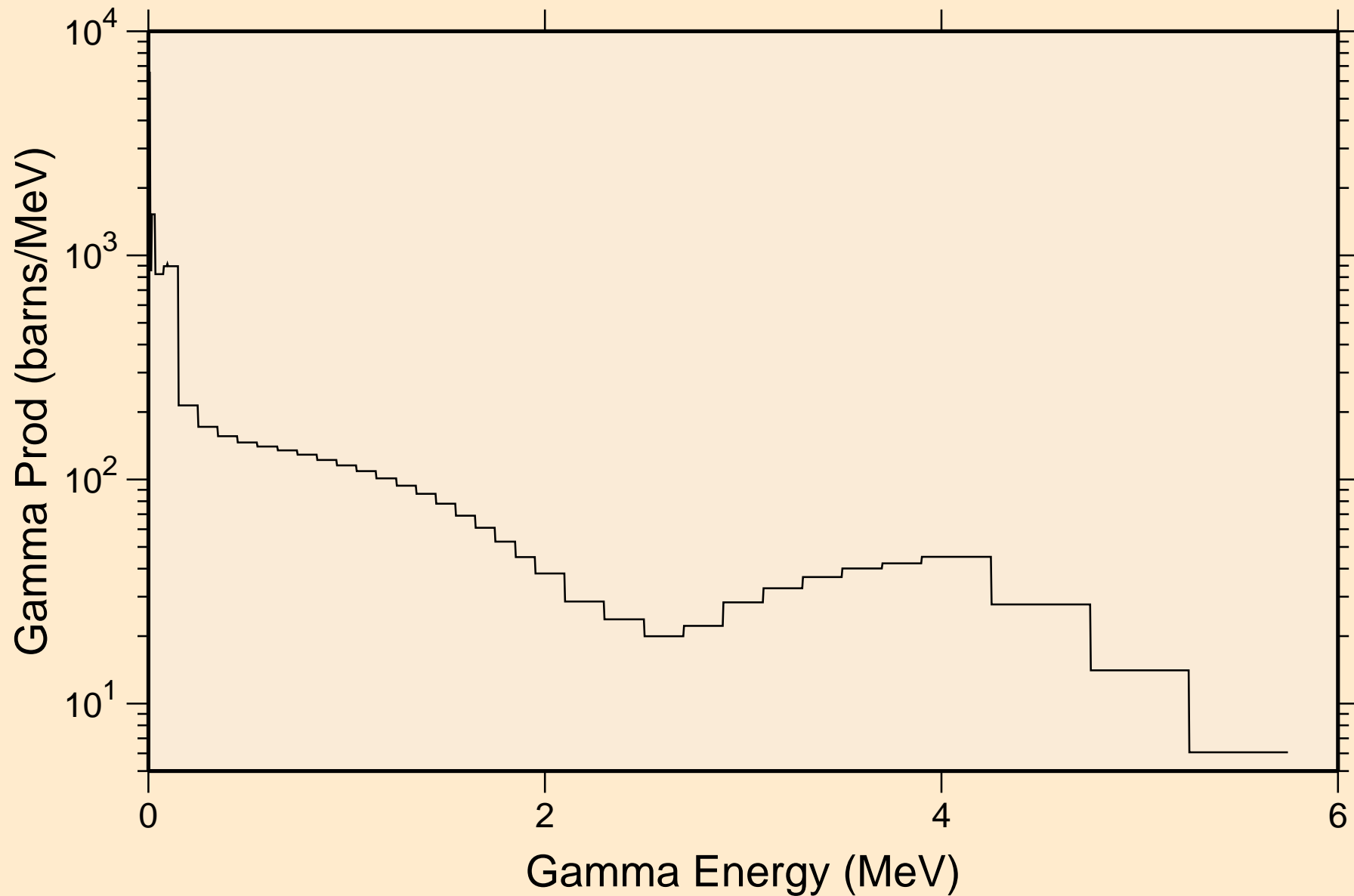
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



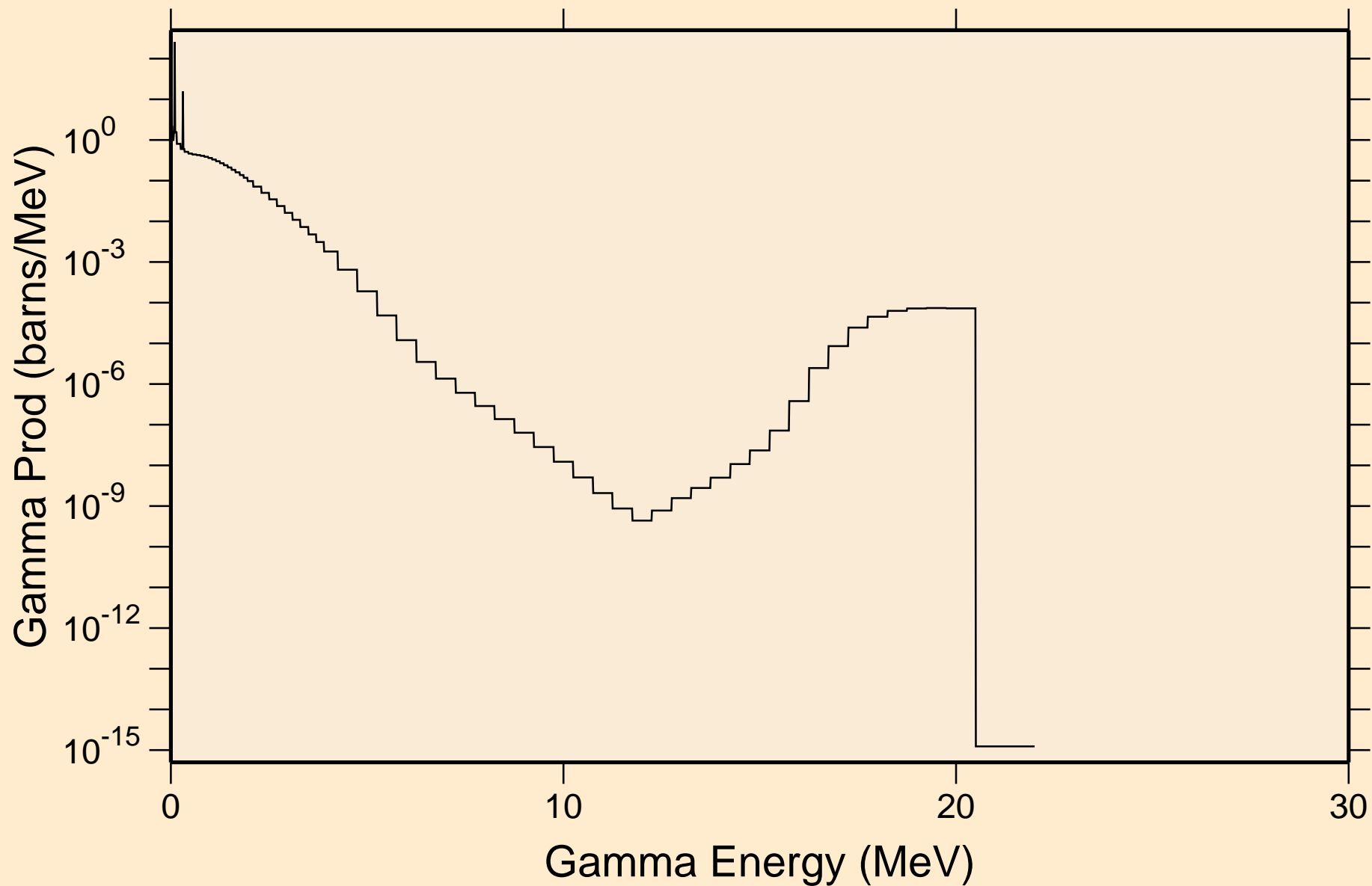
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

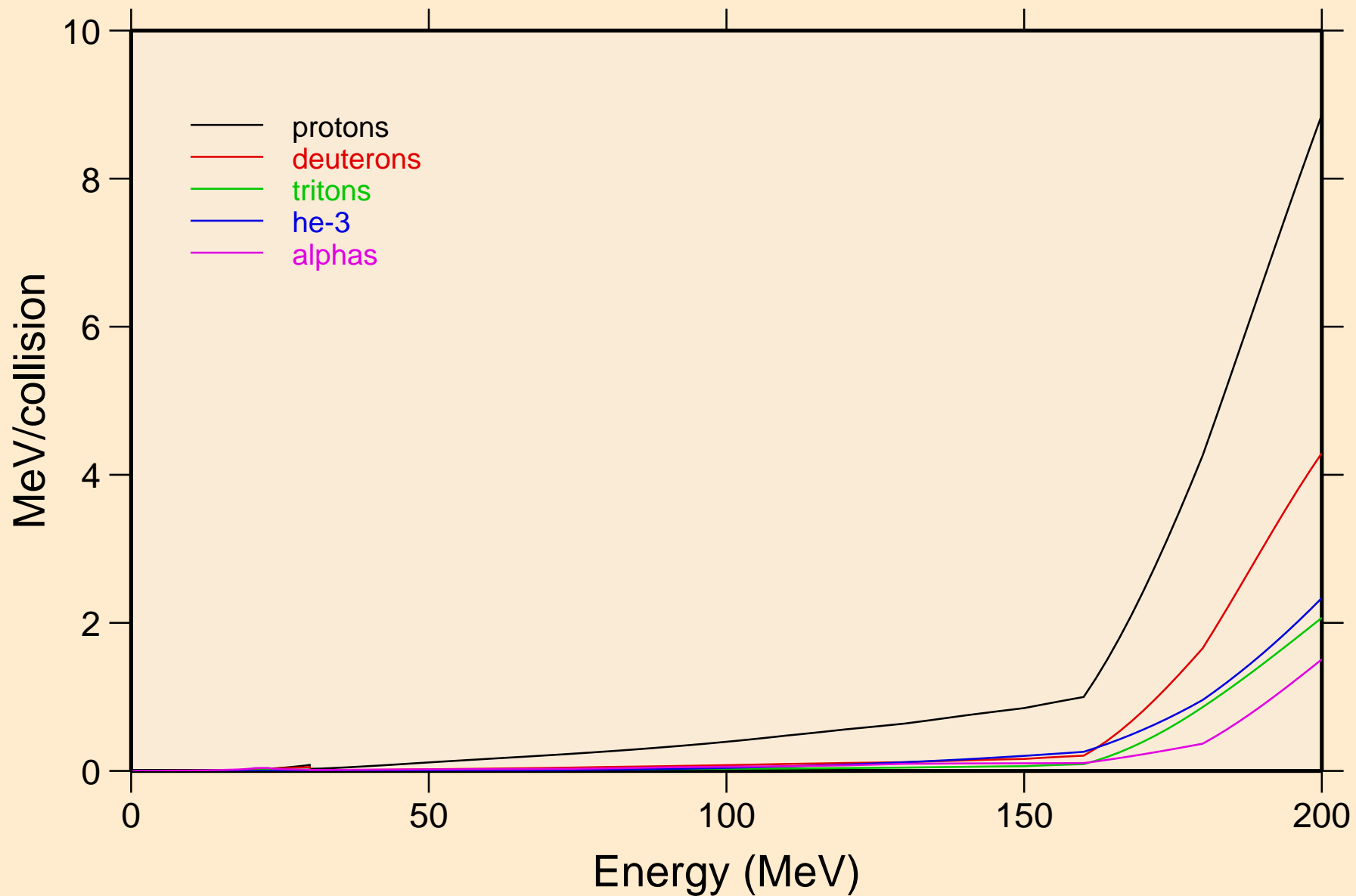


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

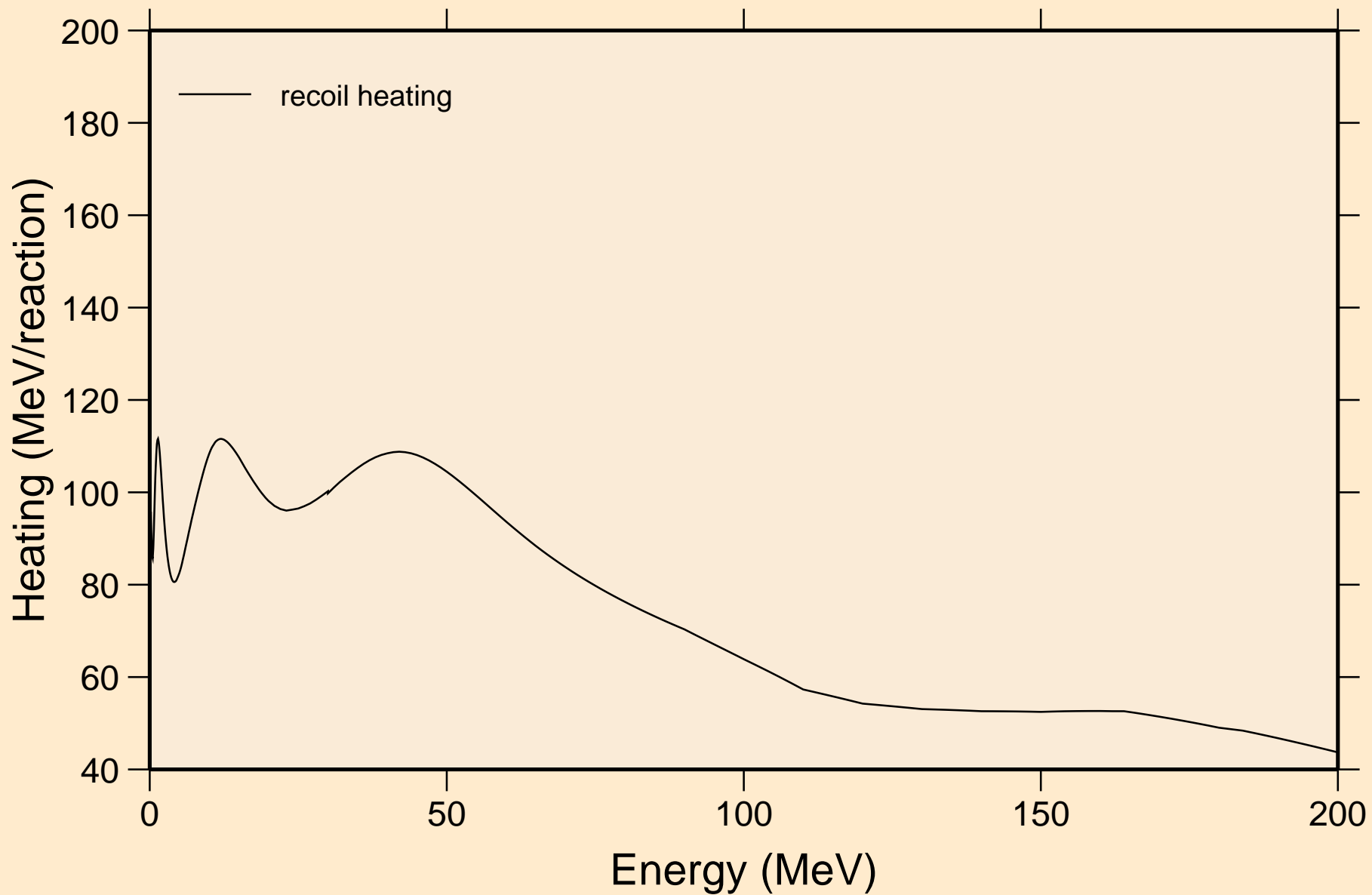


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## Particle heating contributions



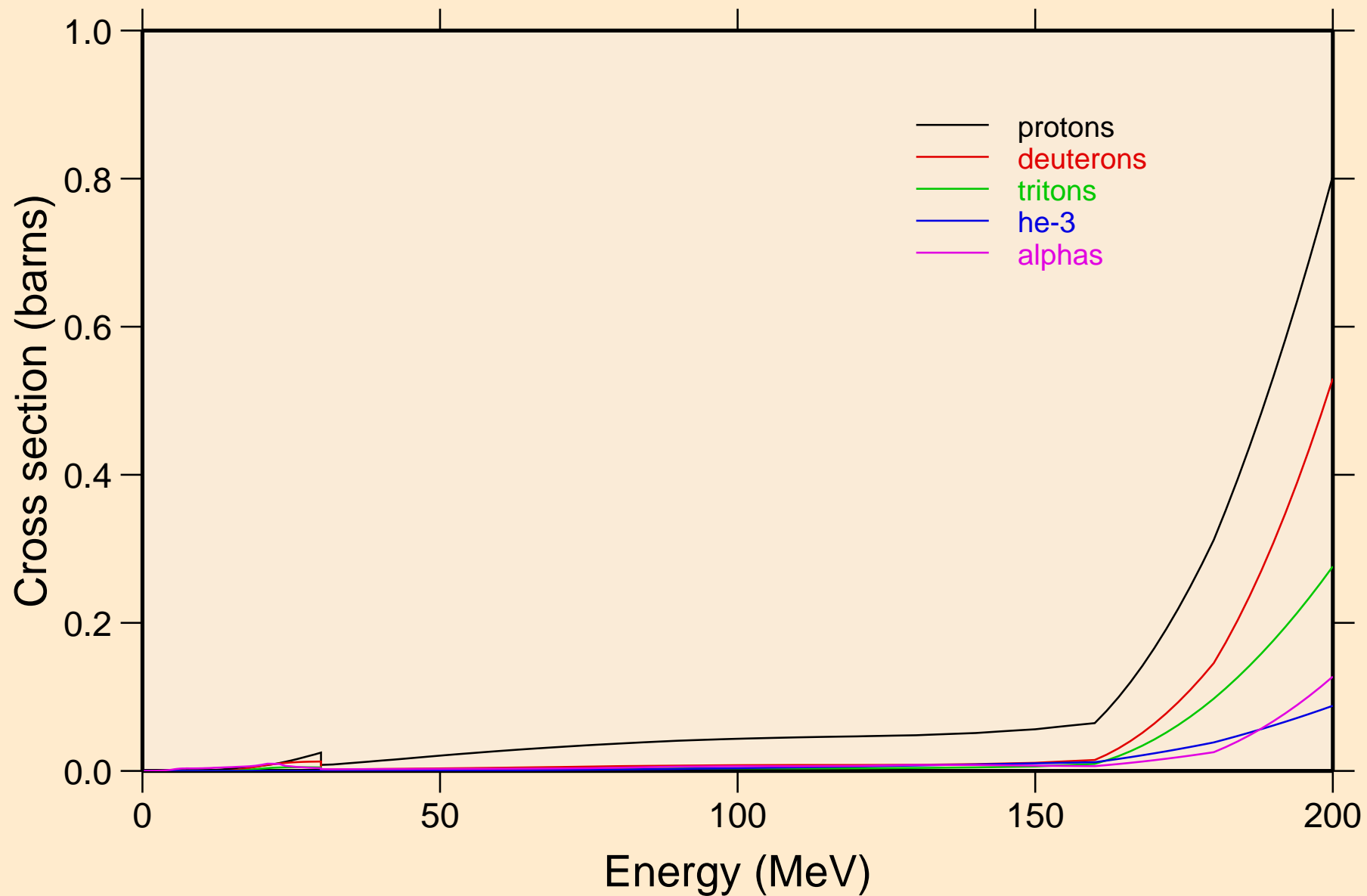
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Recoil Heating



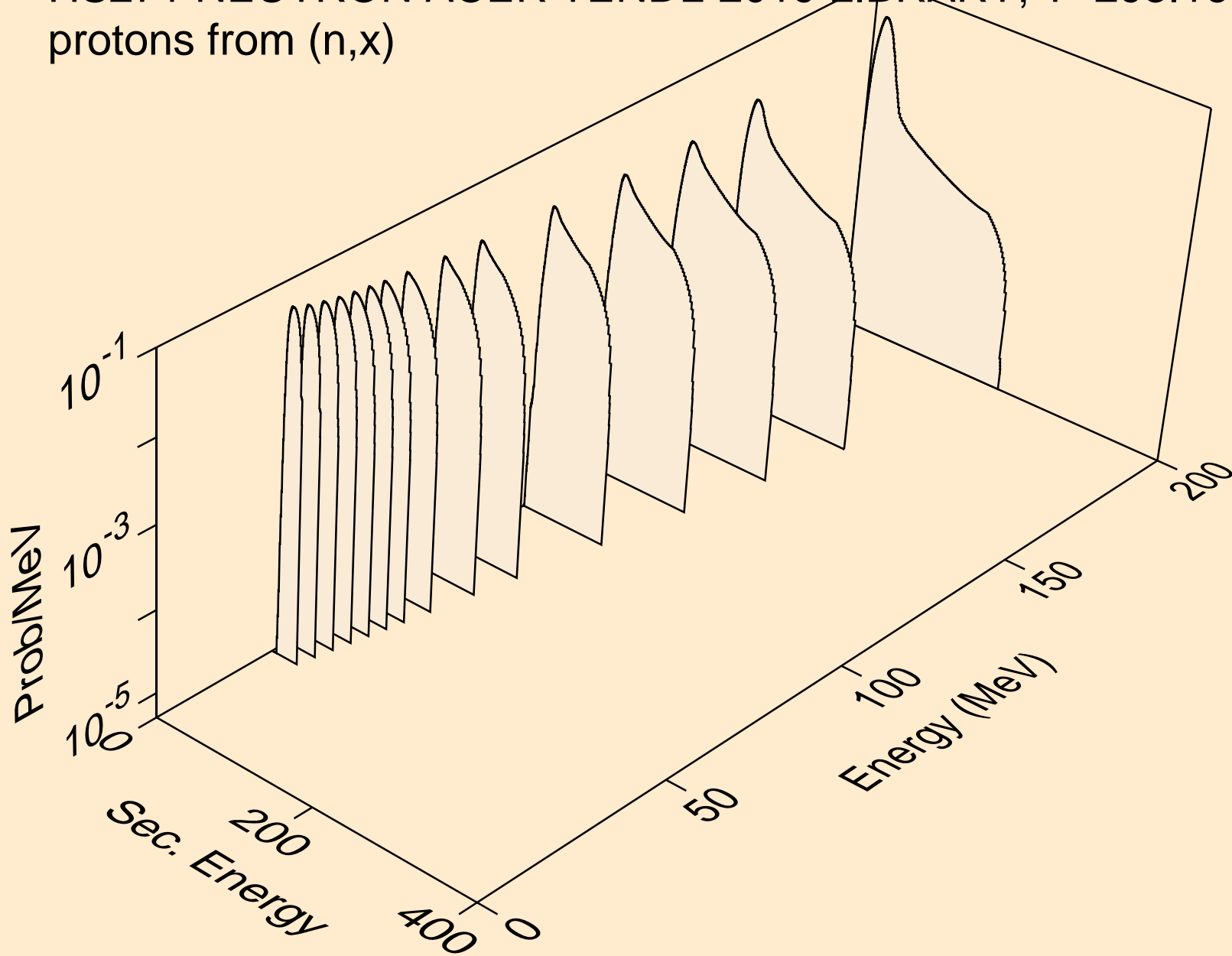


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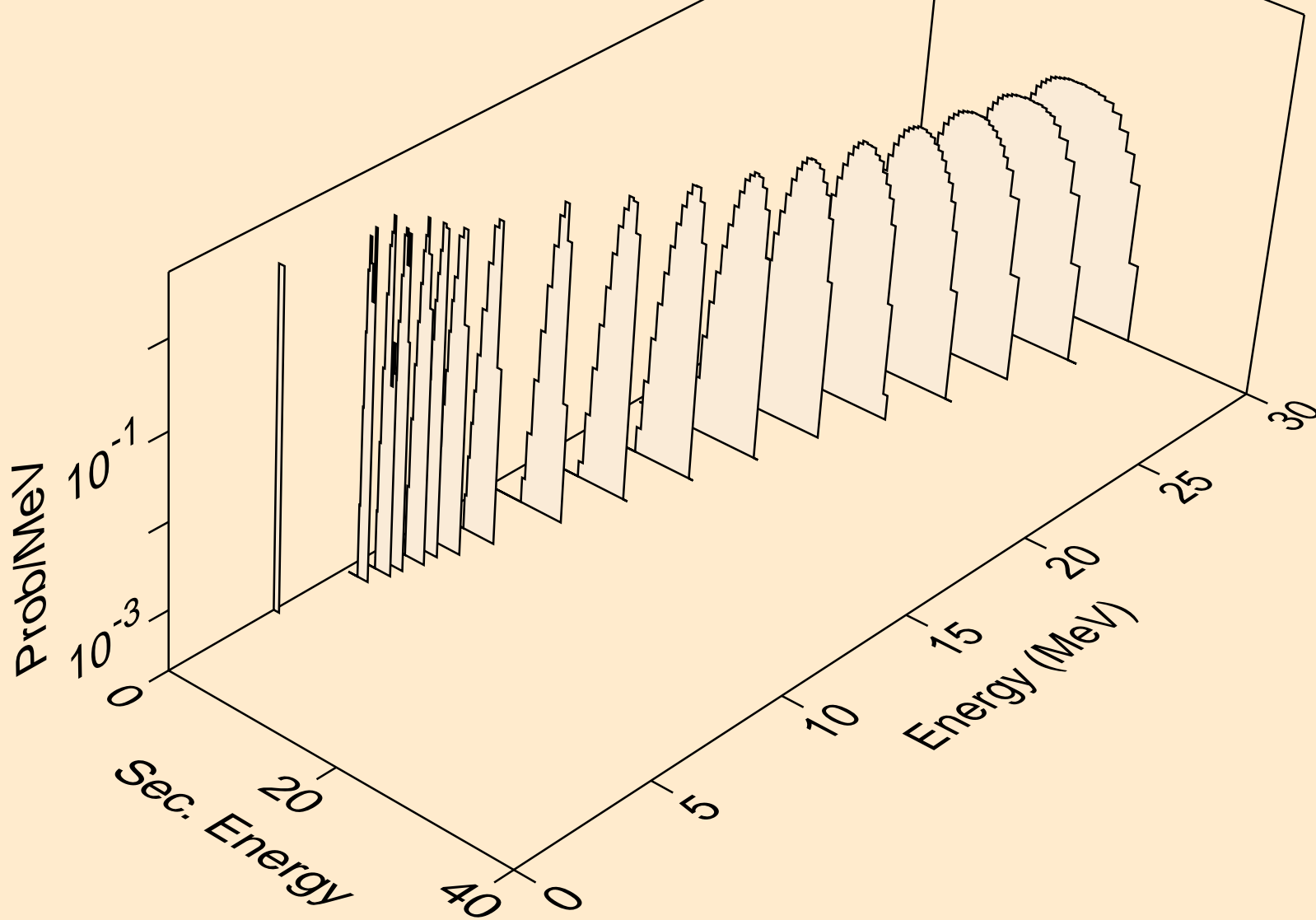
## Particle production cross sections



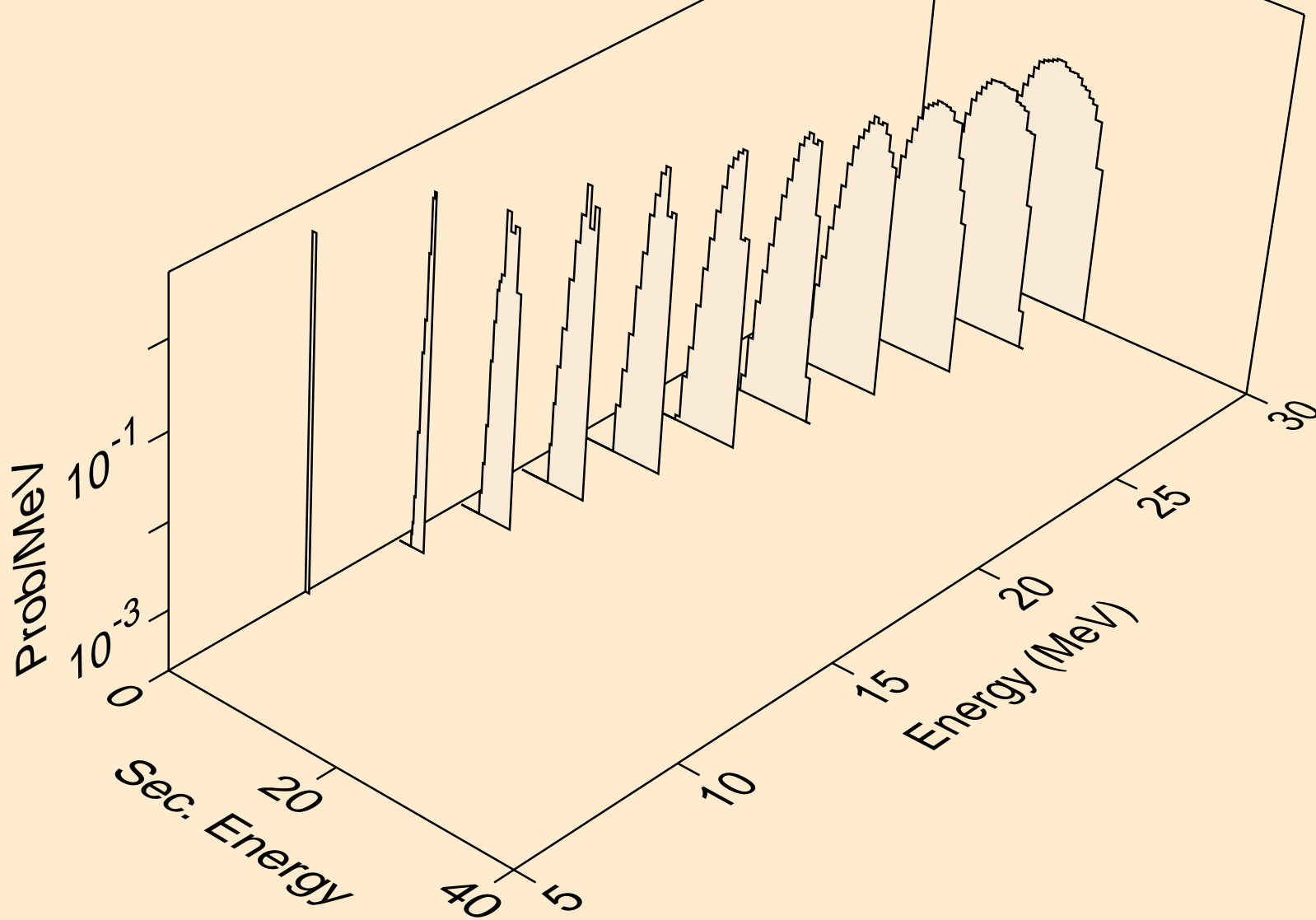
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



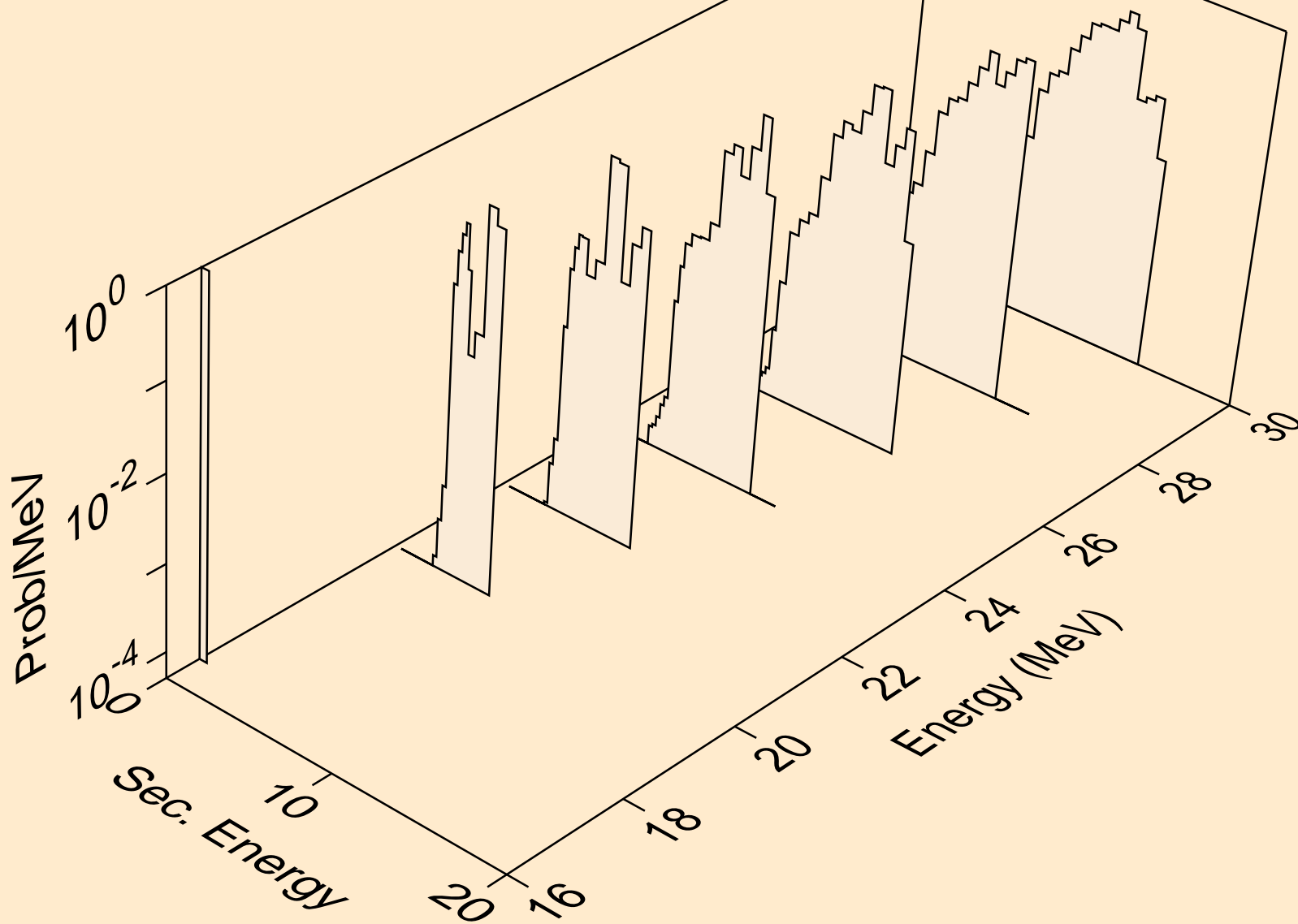
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protons from (n,n\*)p



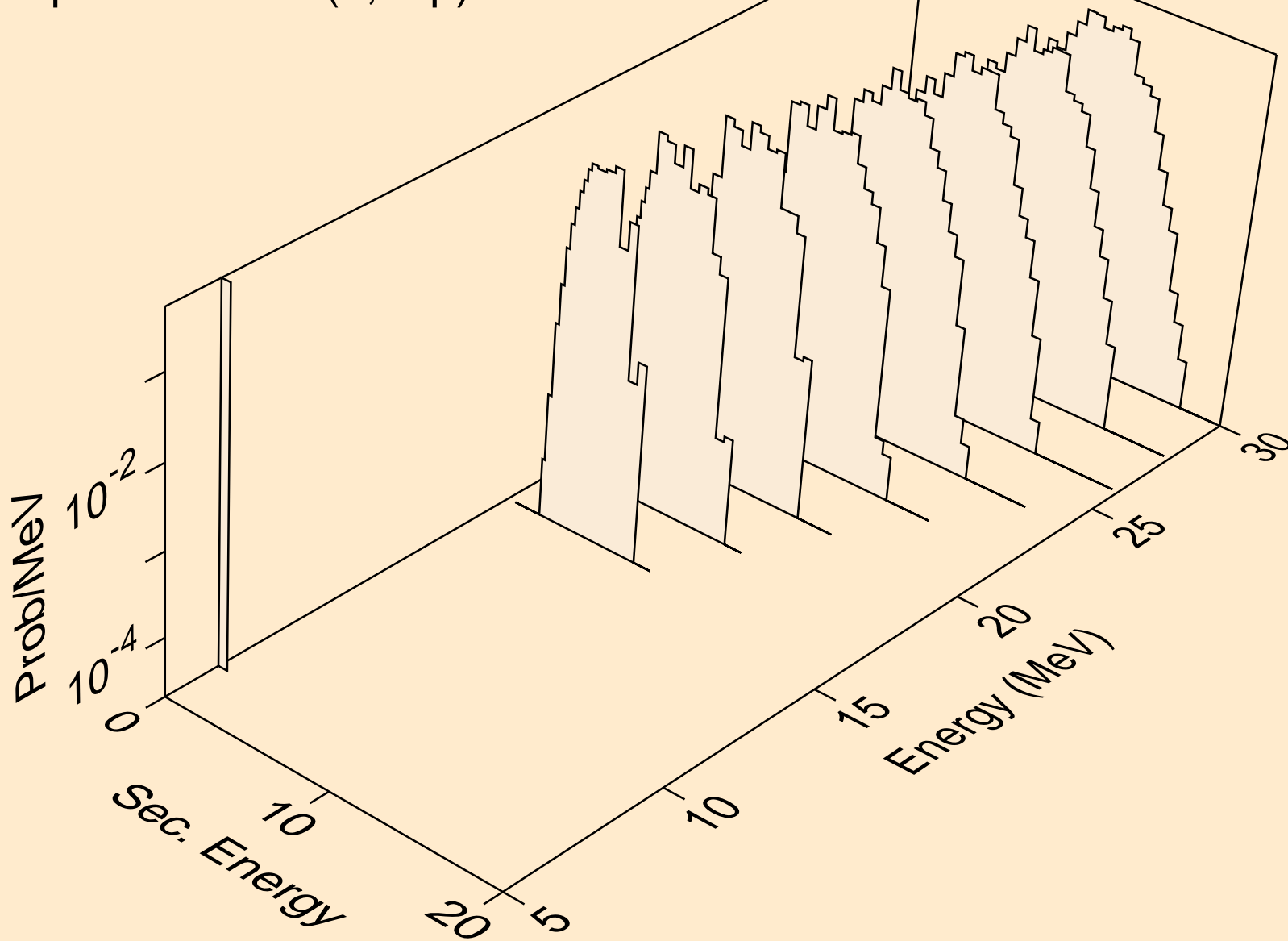
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protons from (n,2np)



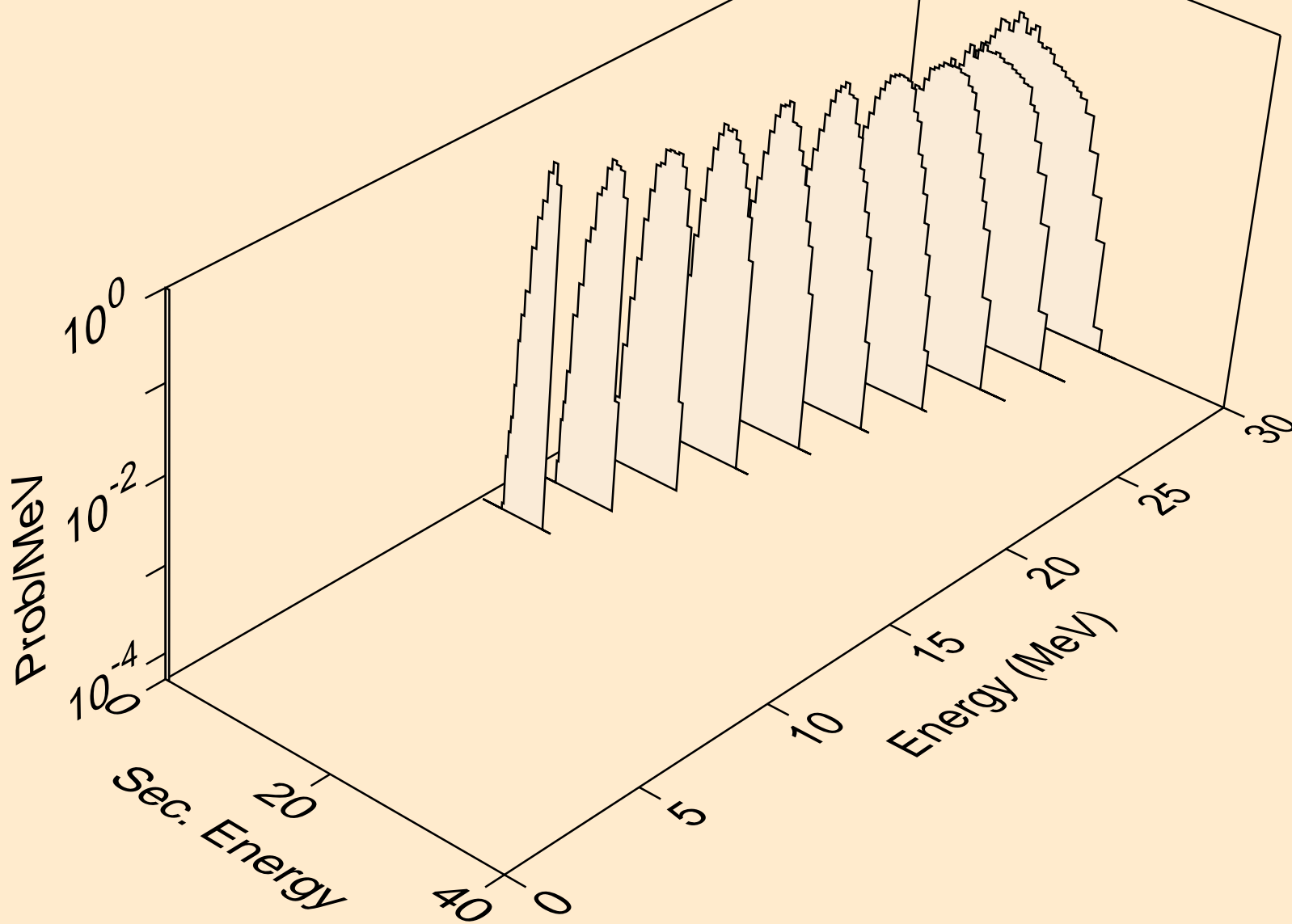
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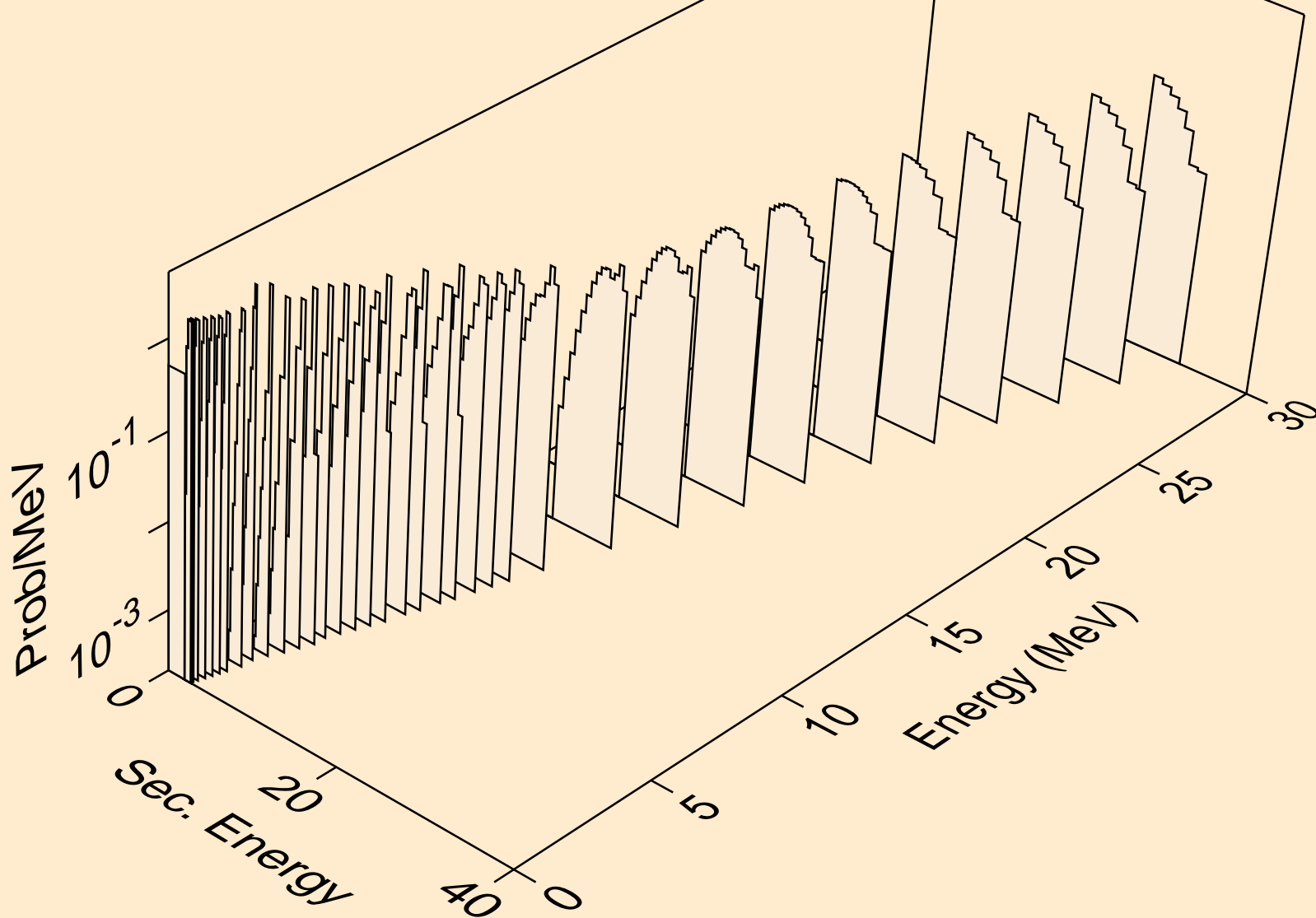
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

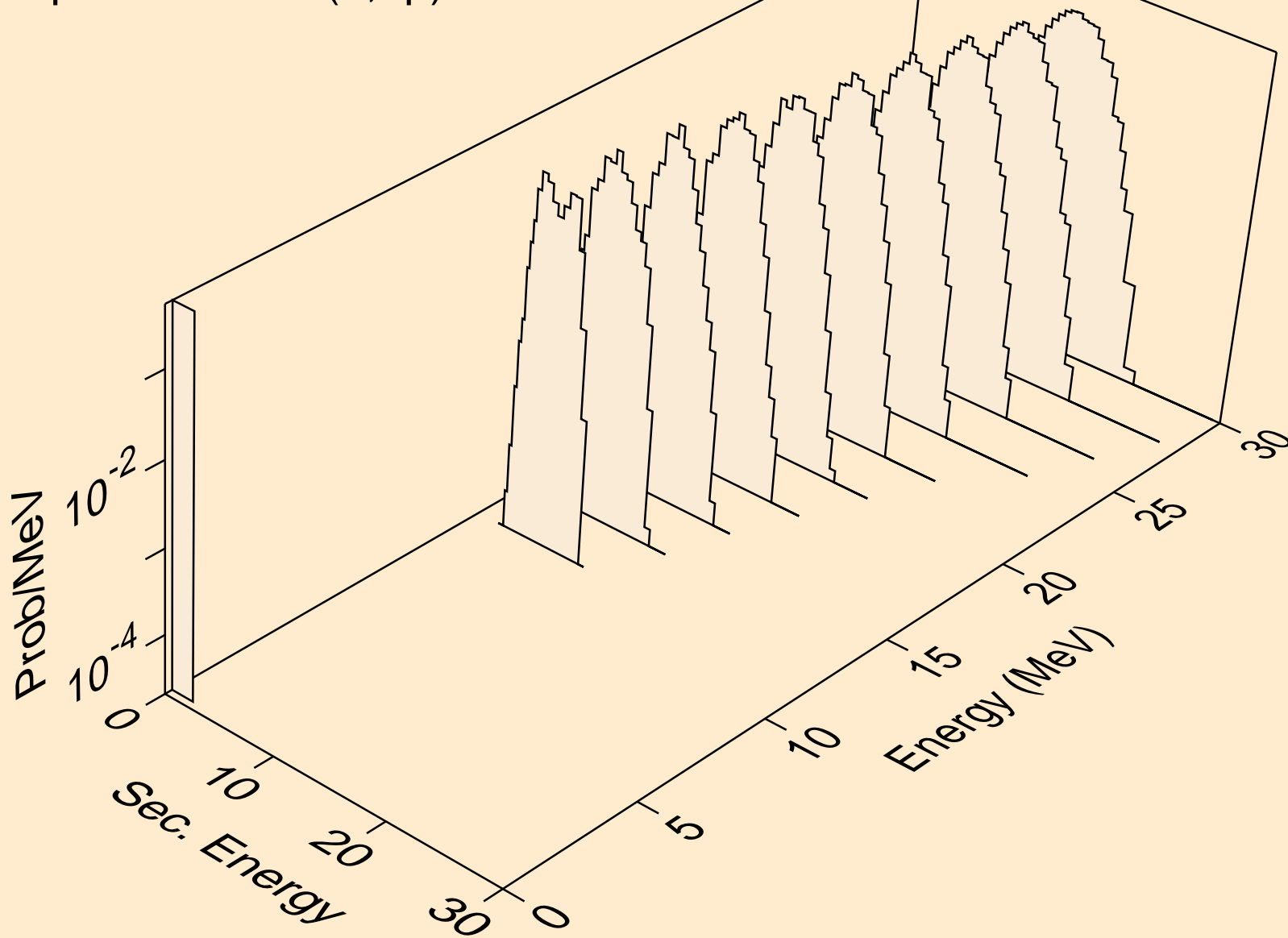


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

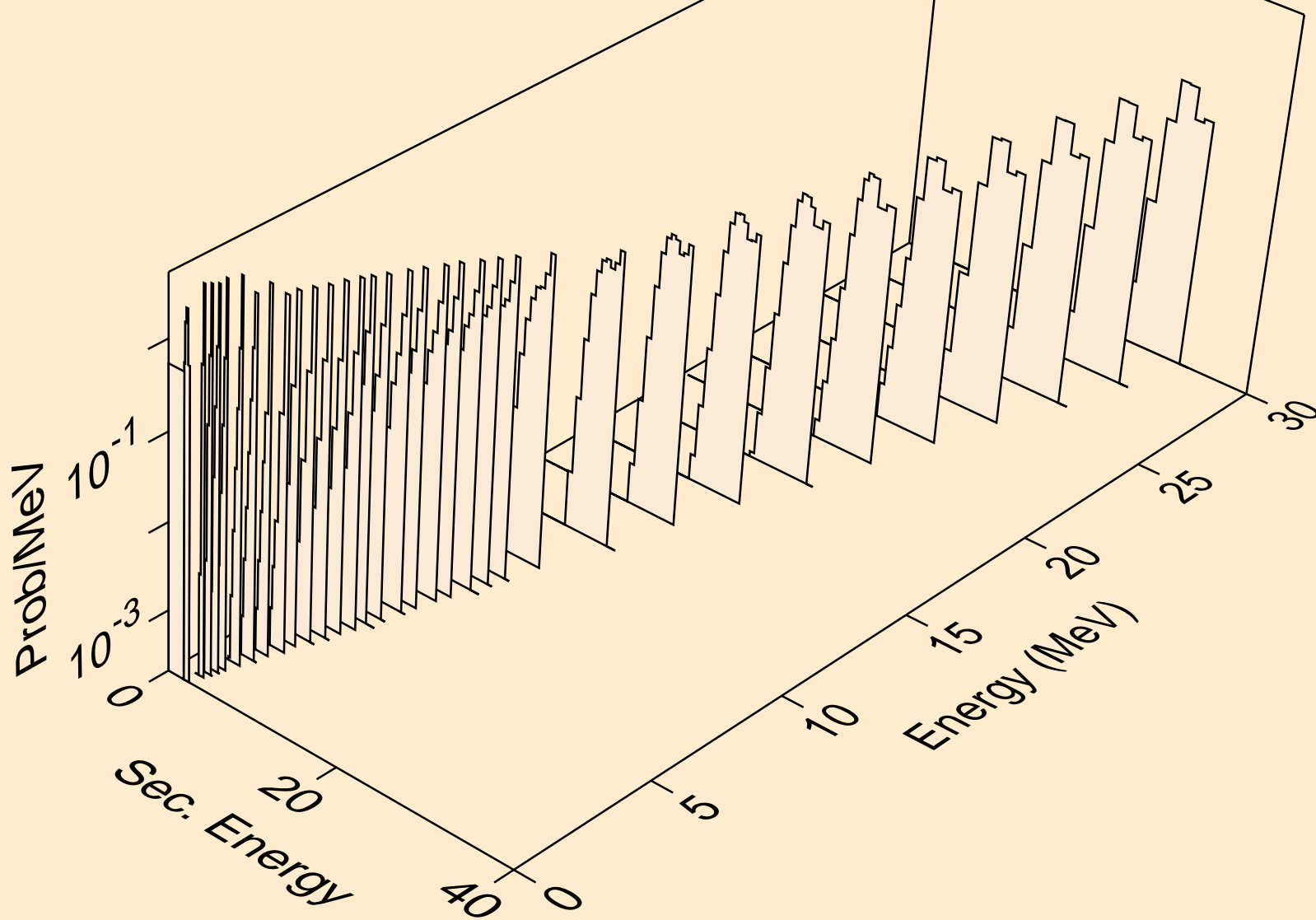




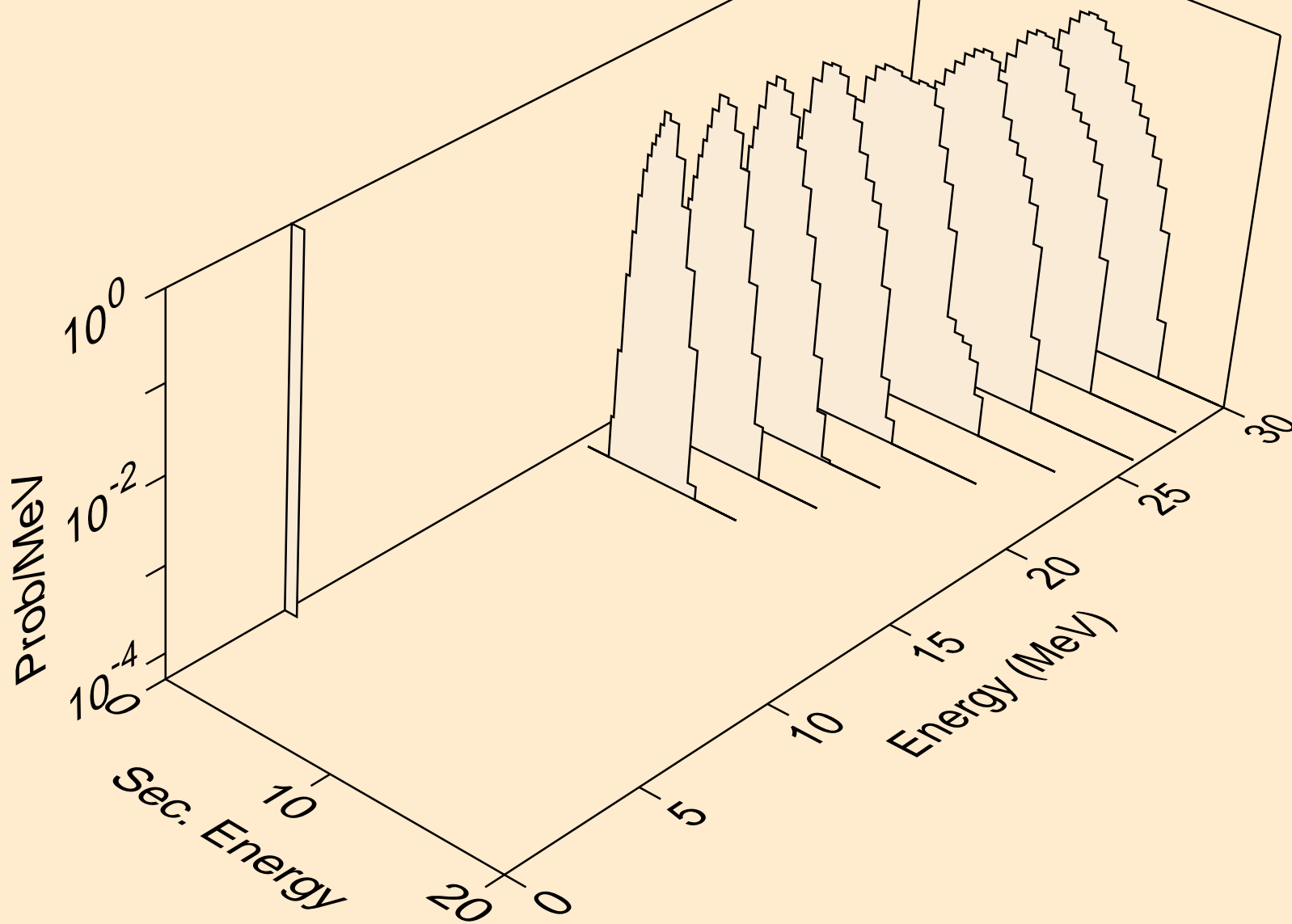
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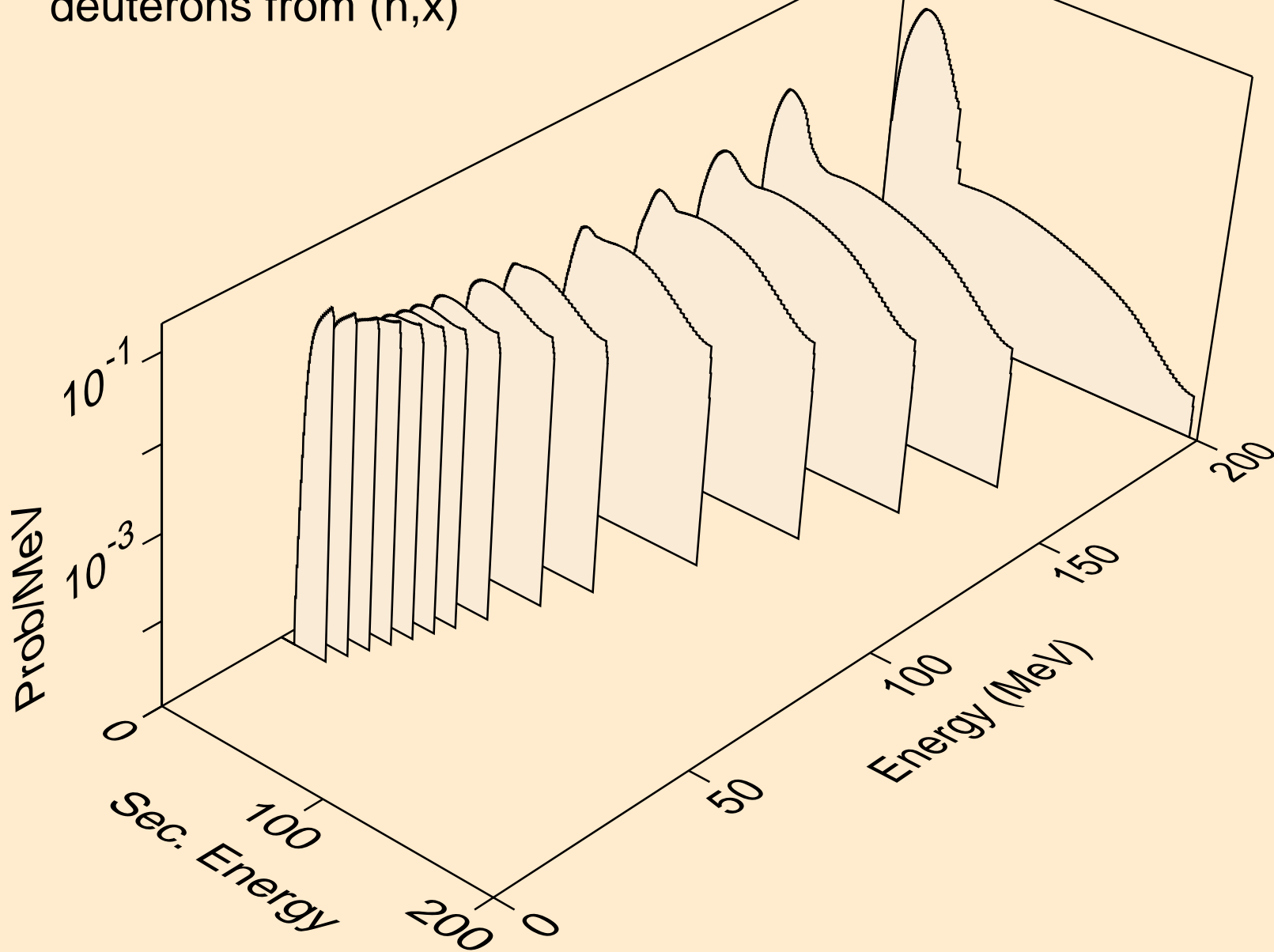
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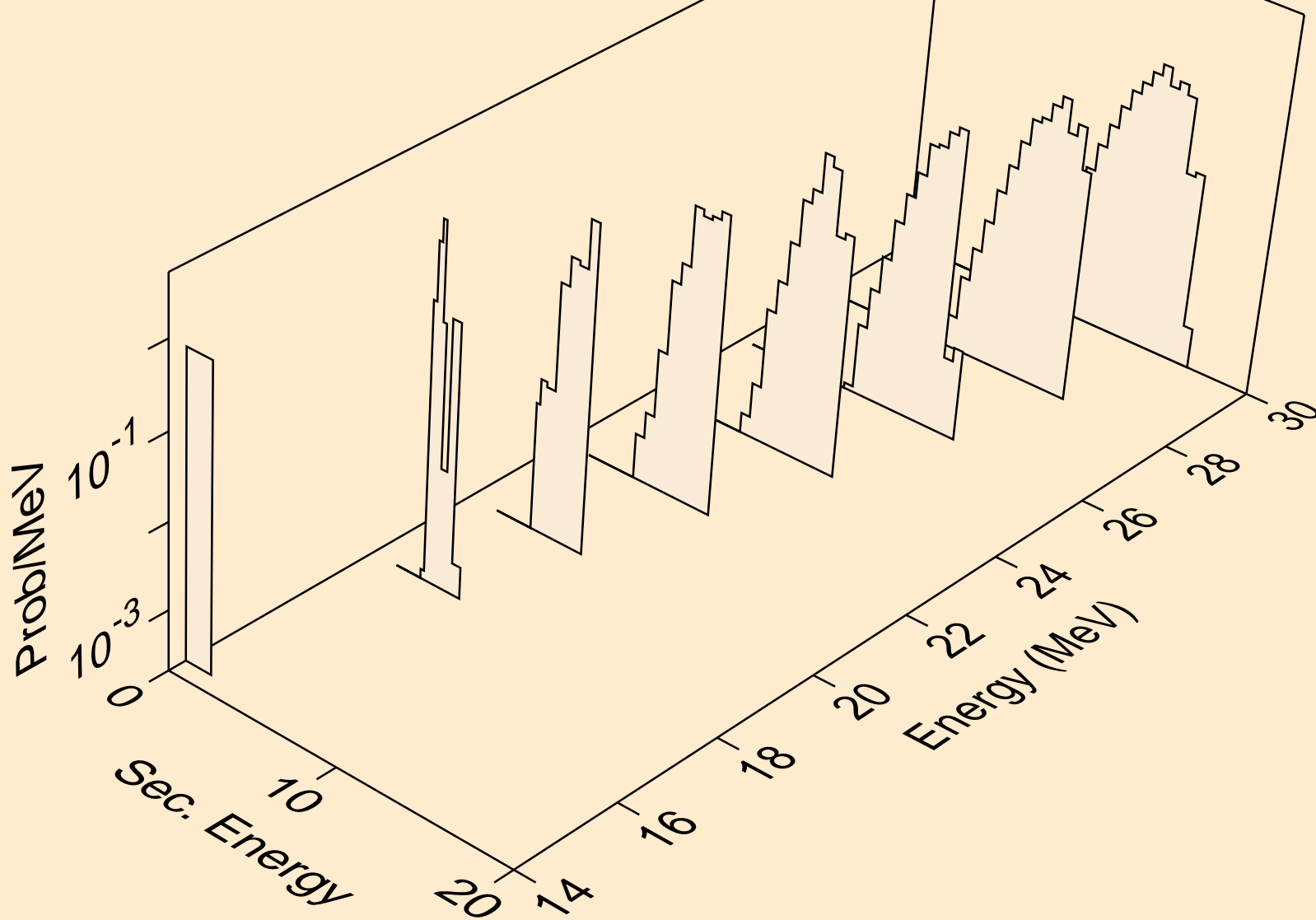
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protons from (n,pd)



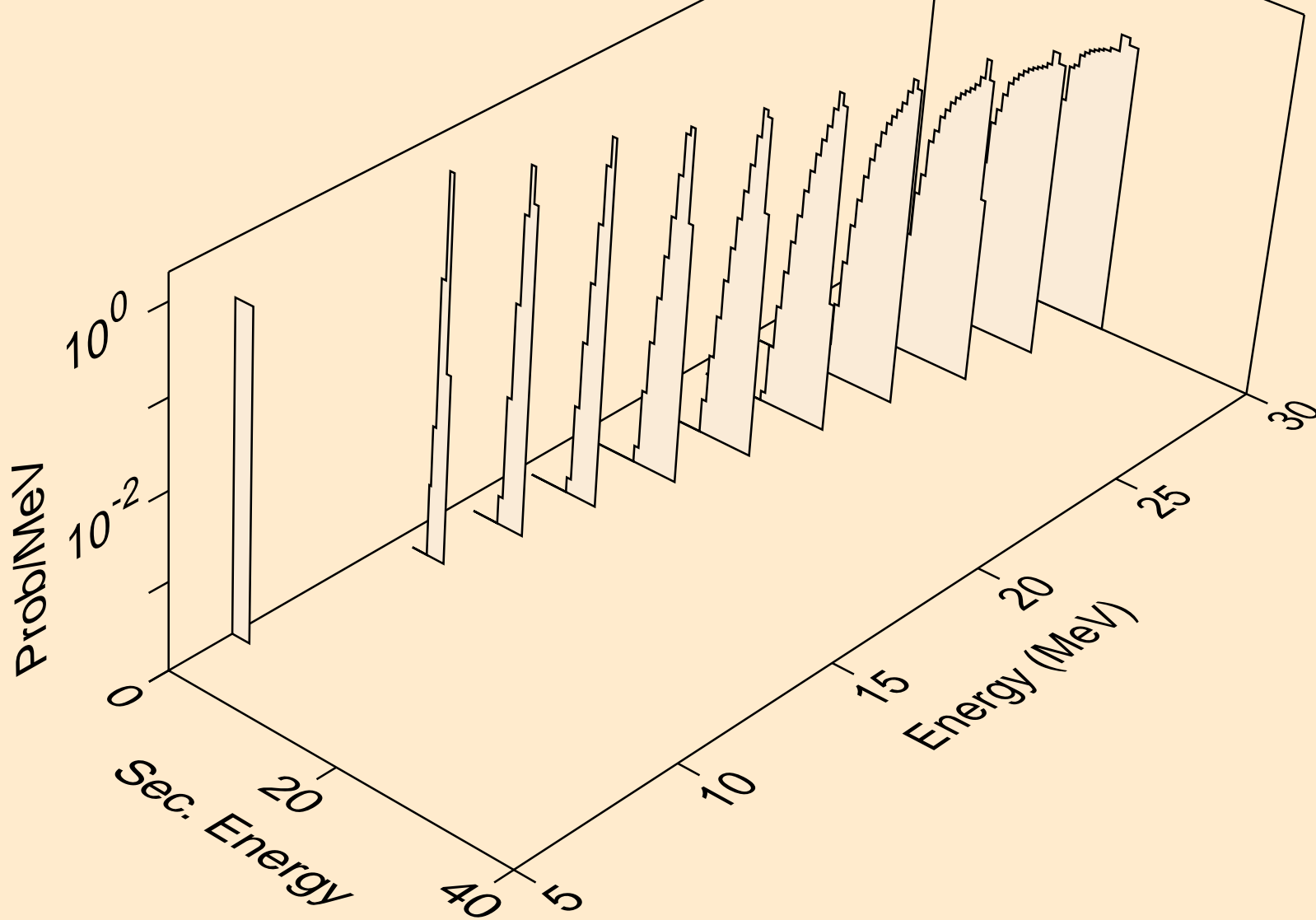
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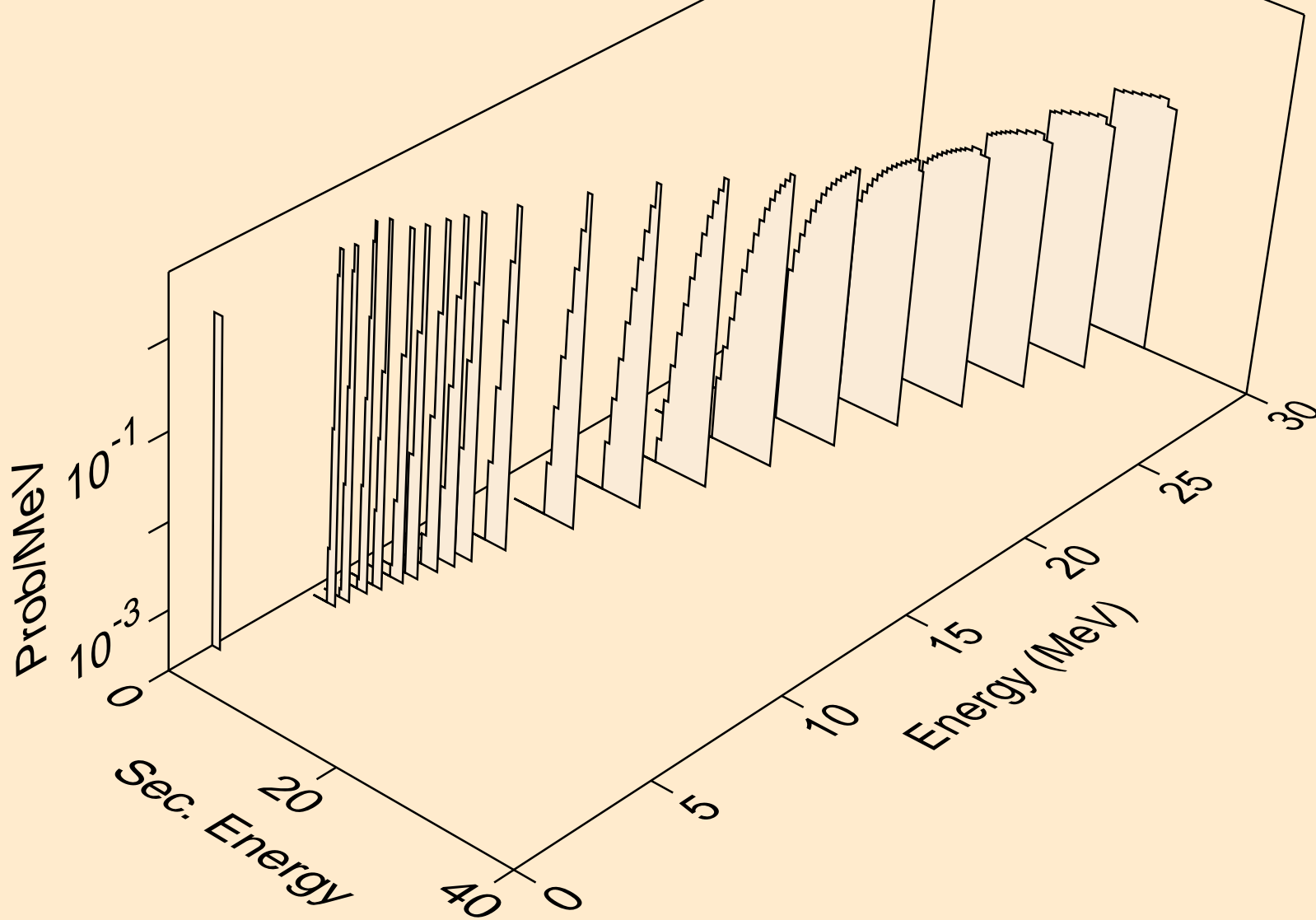
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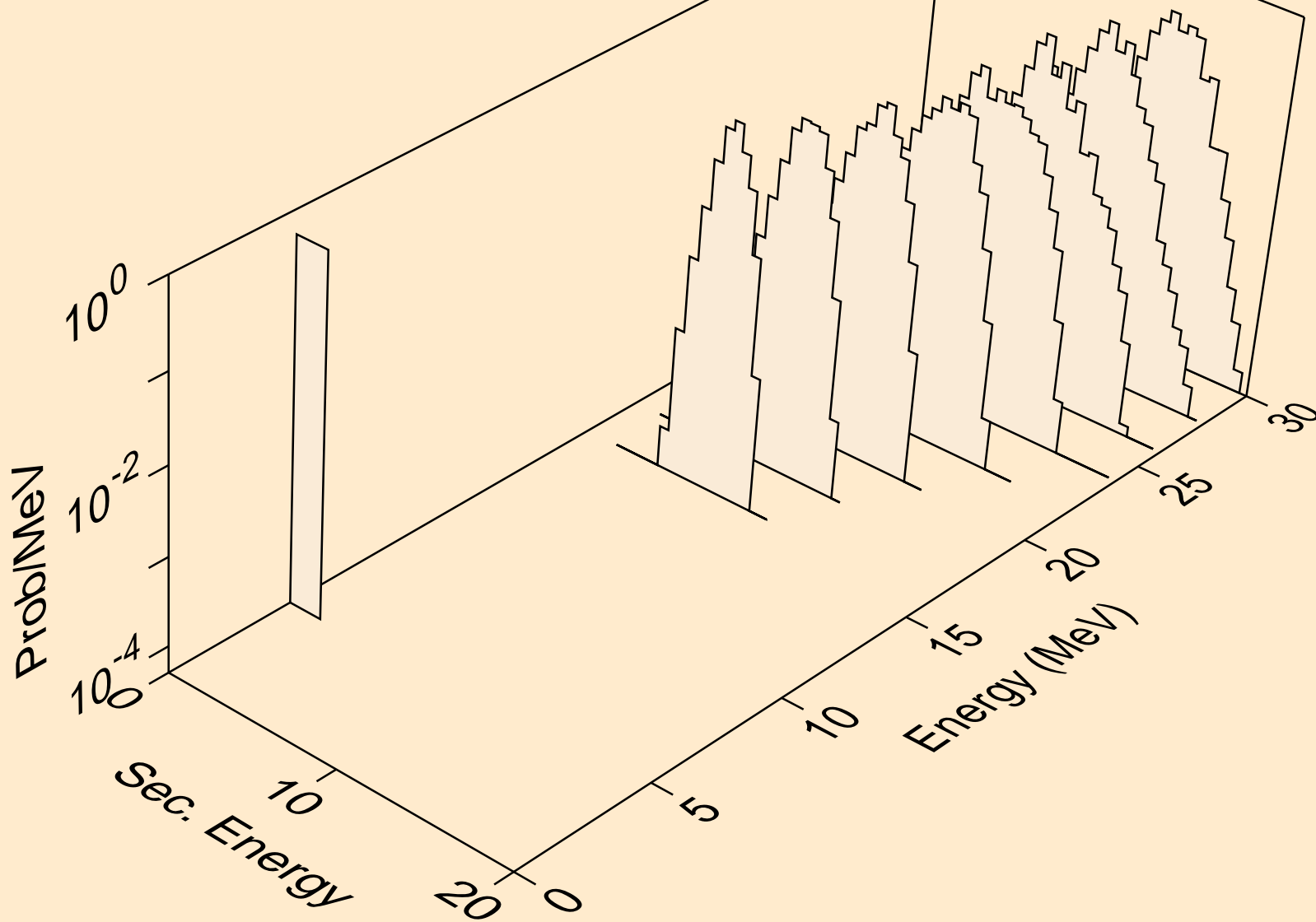
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

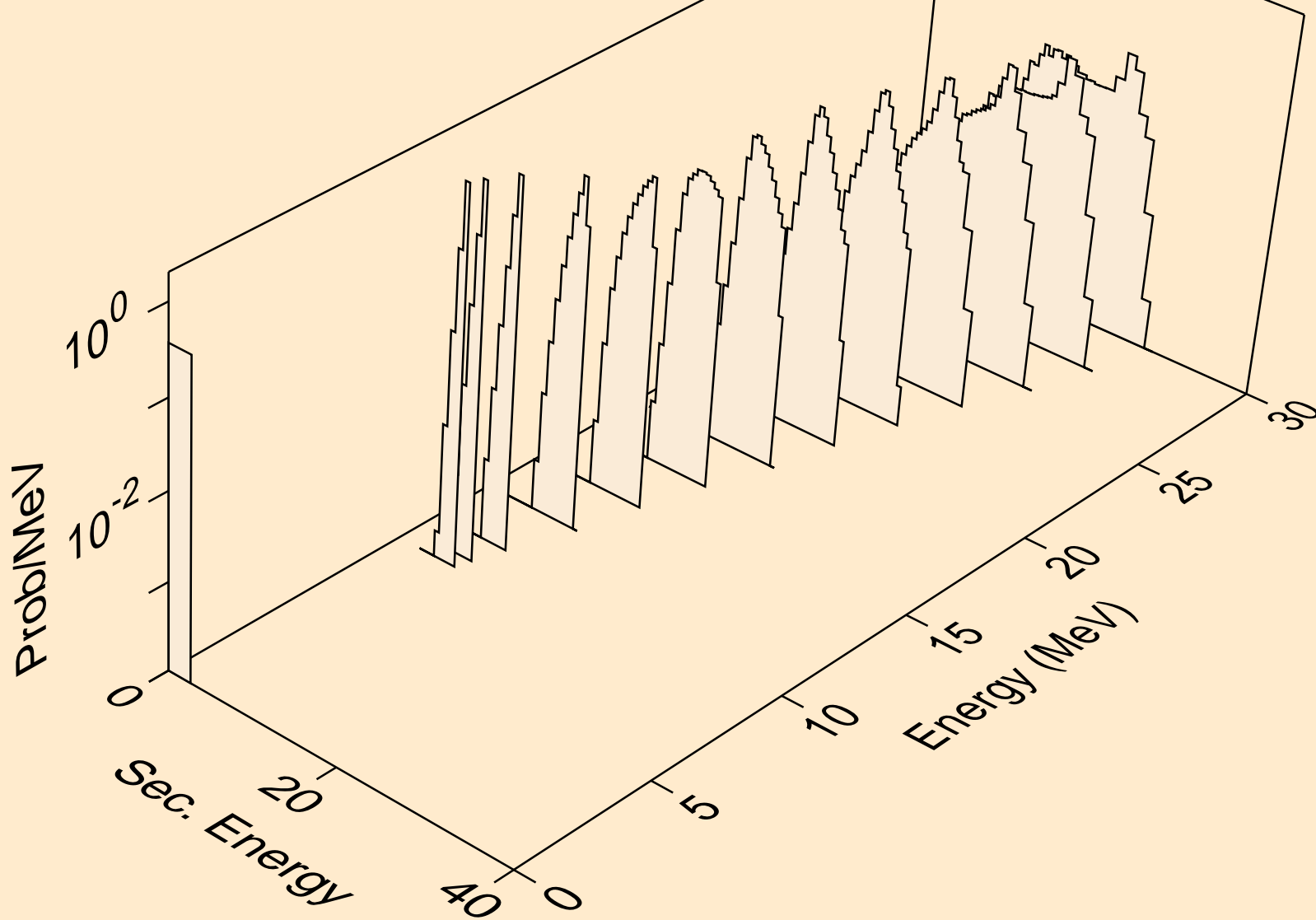


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

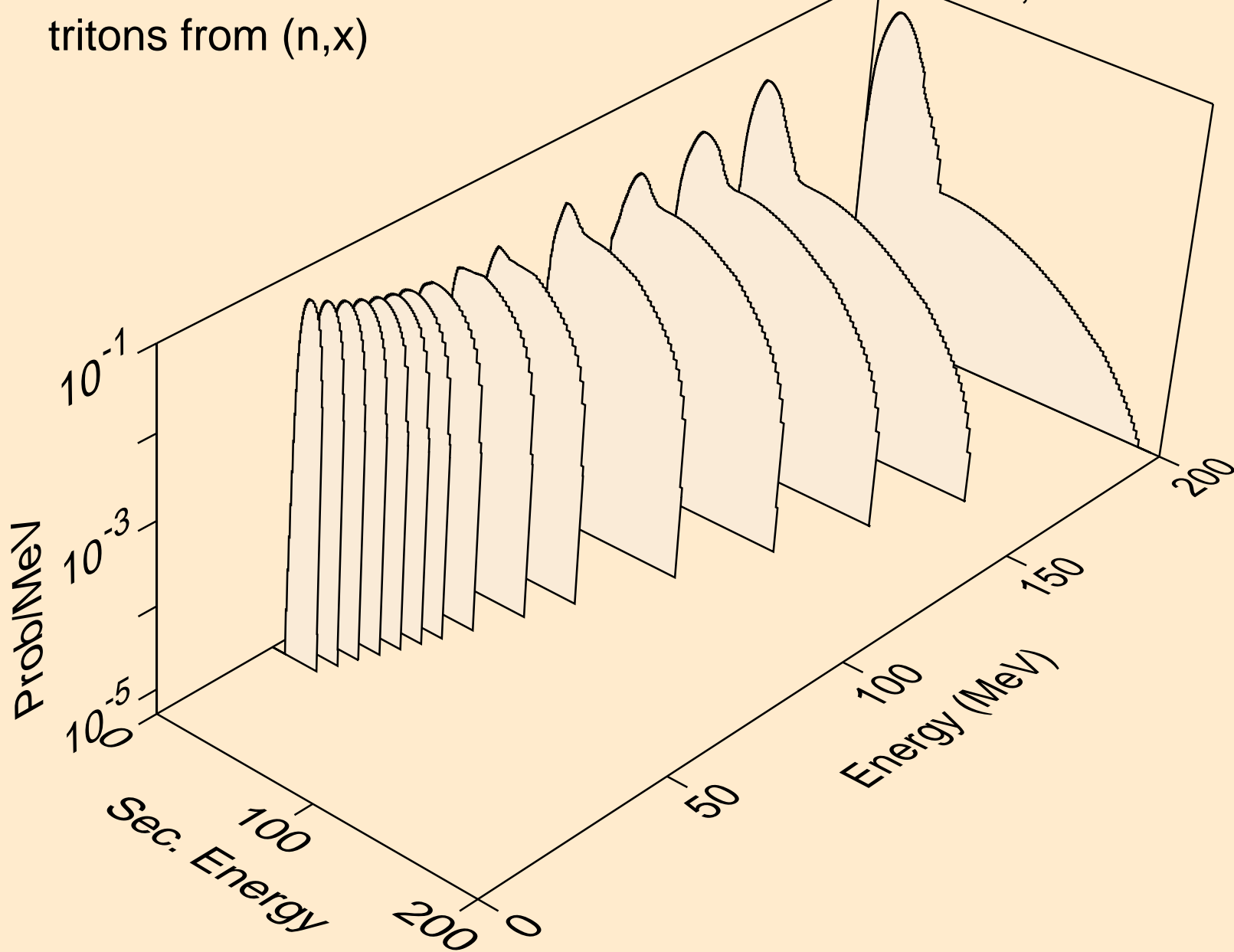




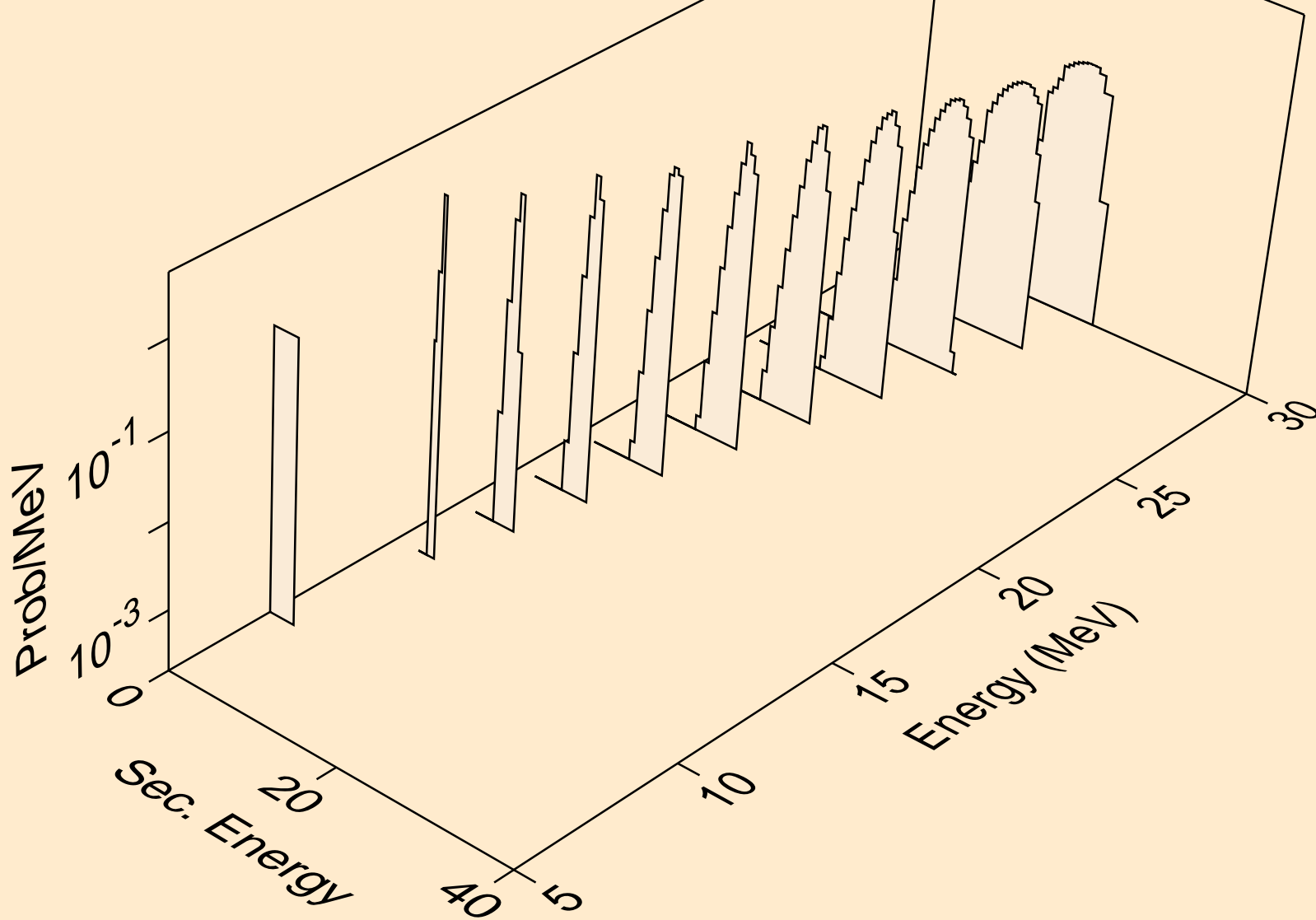
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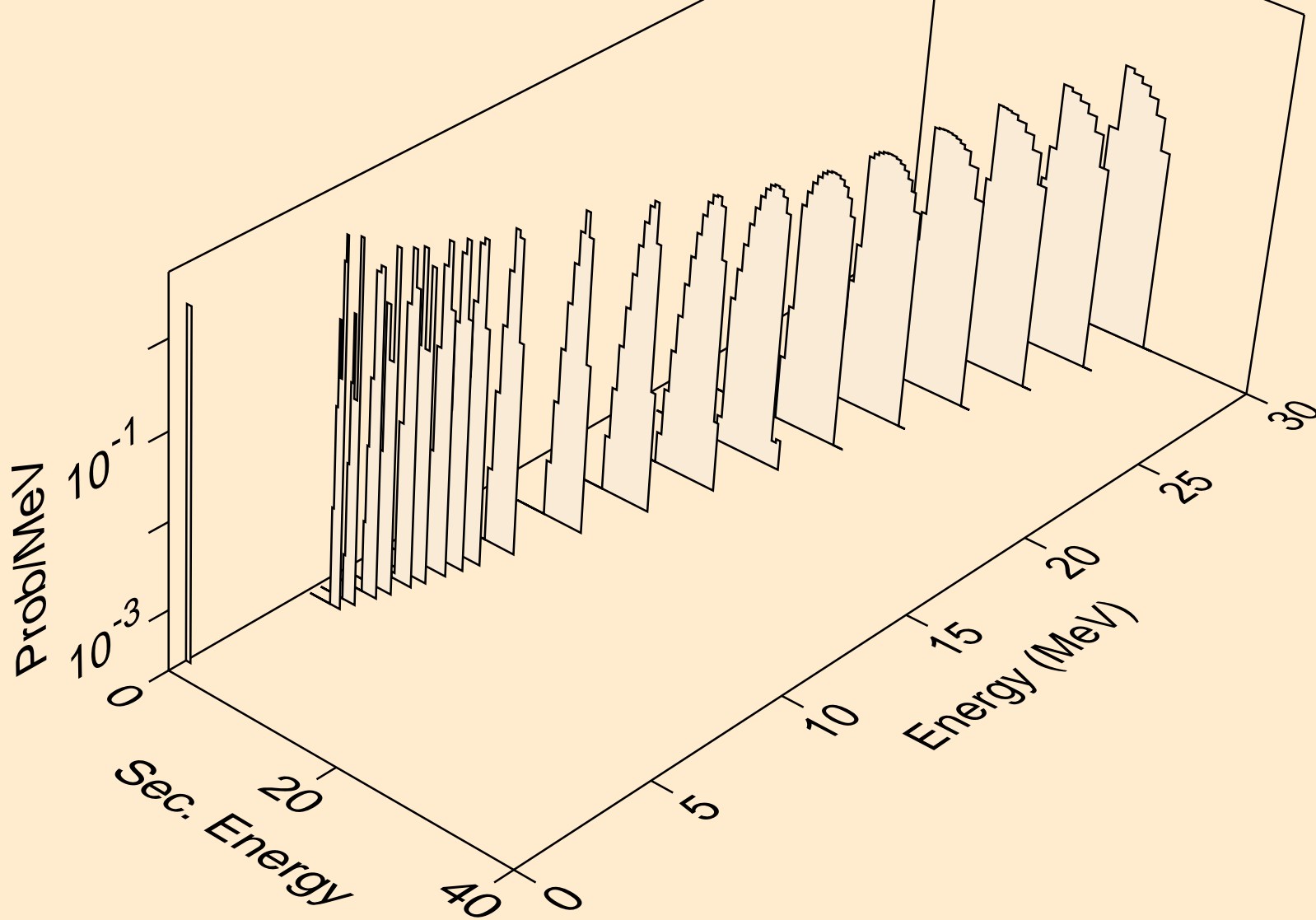
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tritons from (n,x)



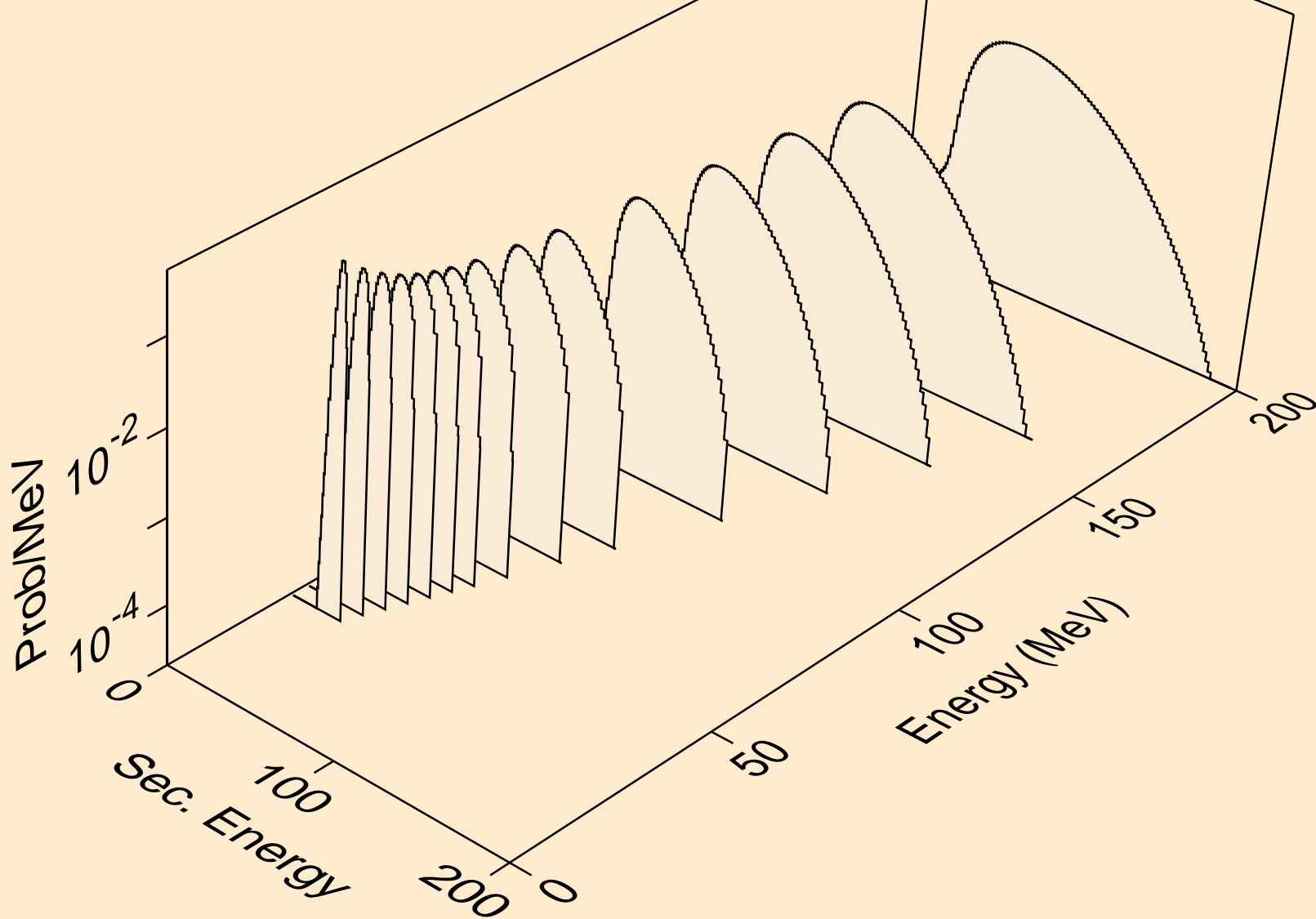
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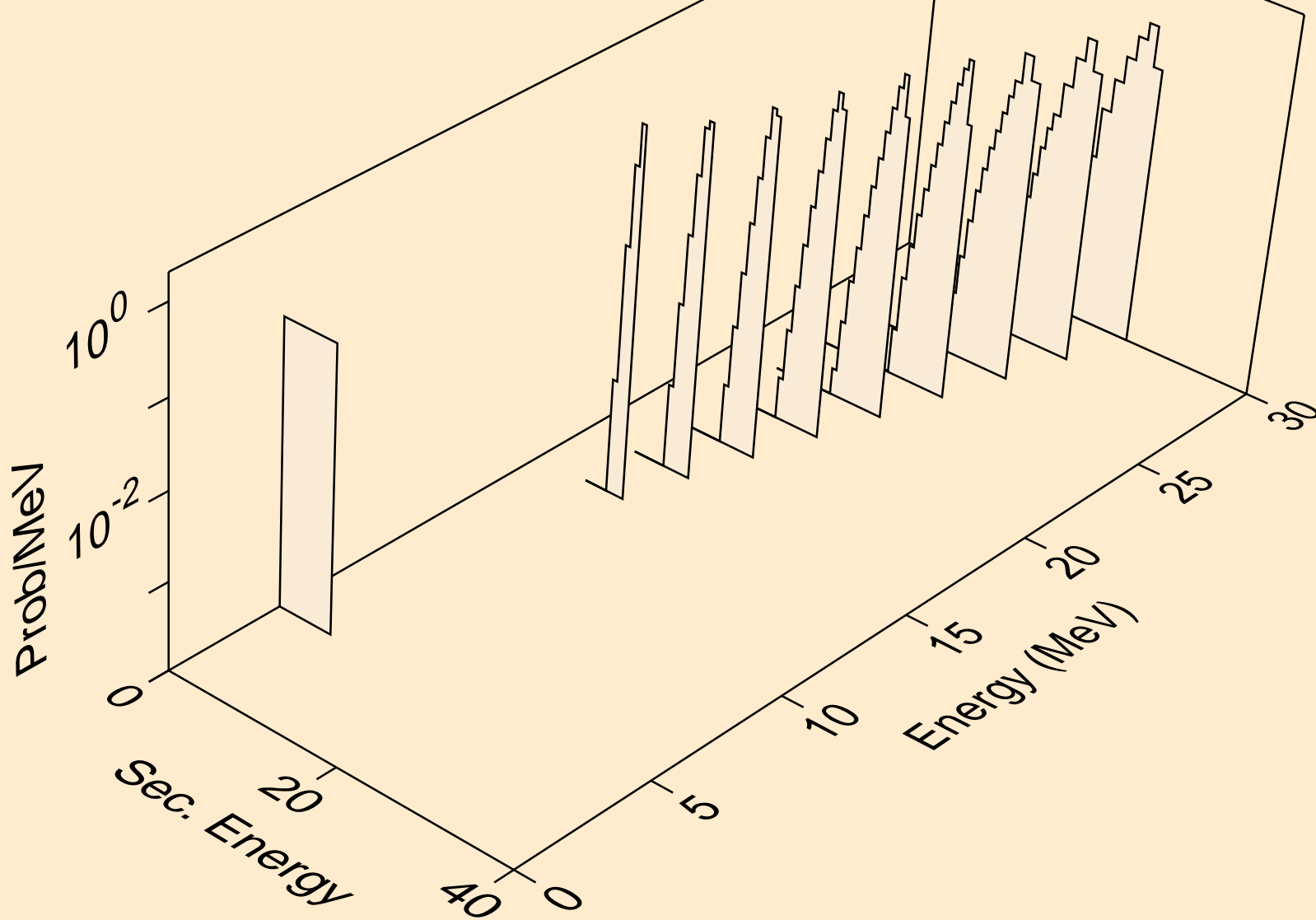
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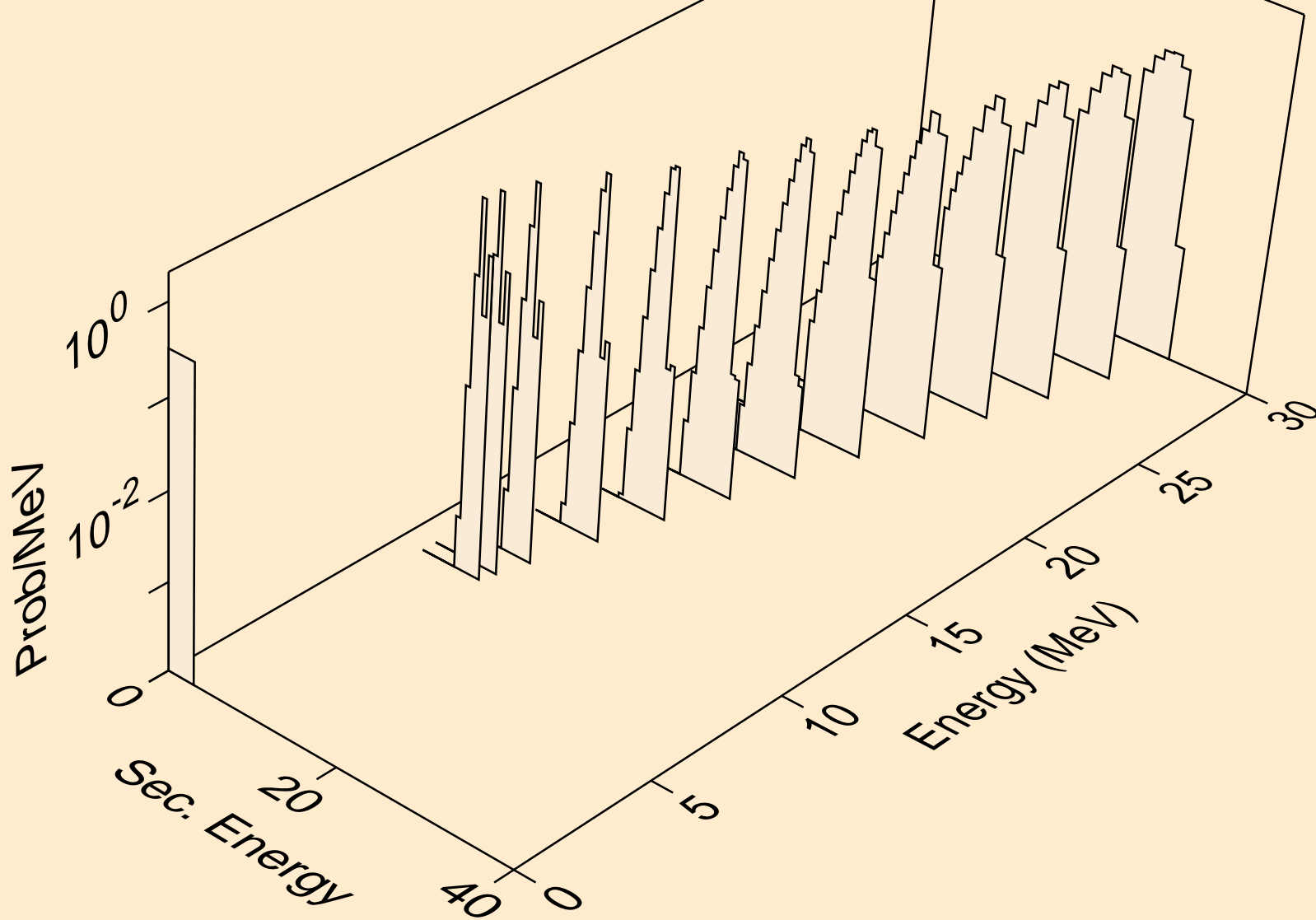
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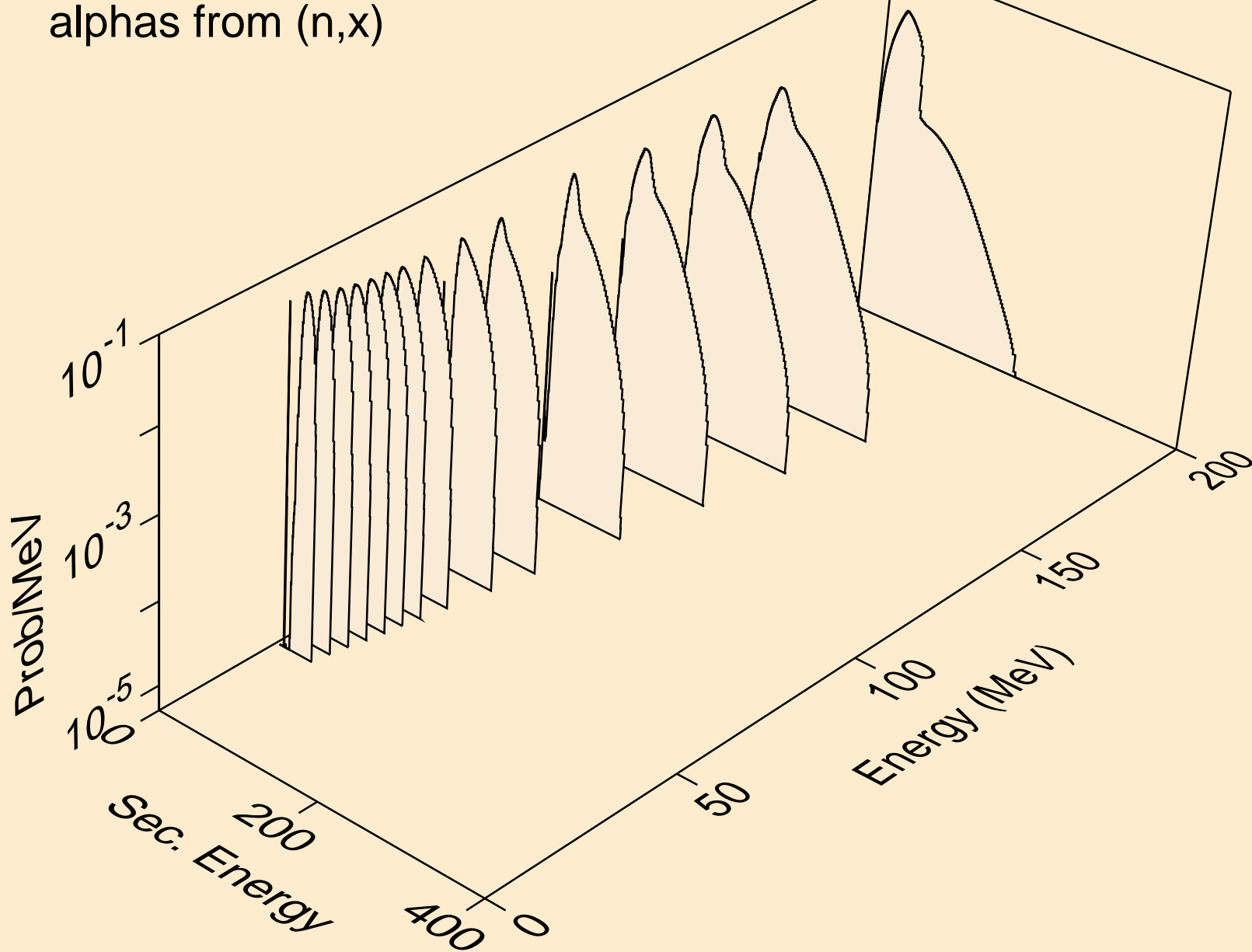
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HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

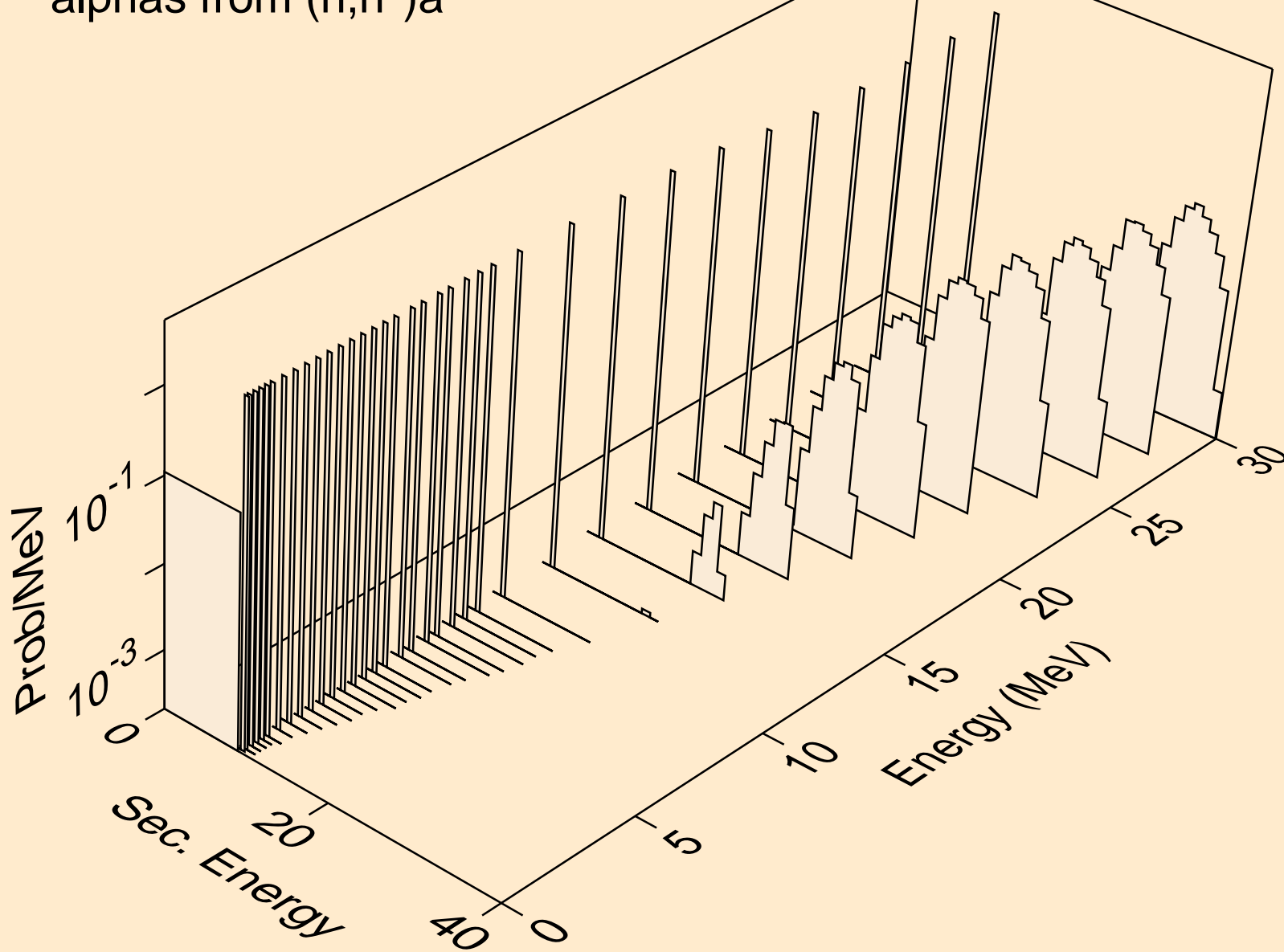


HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

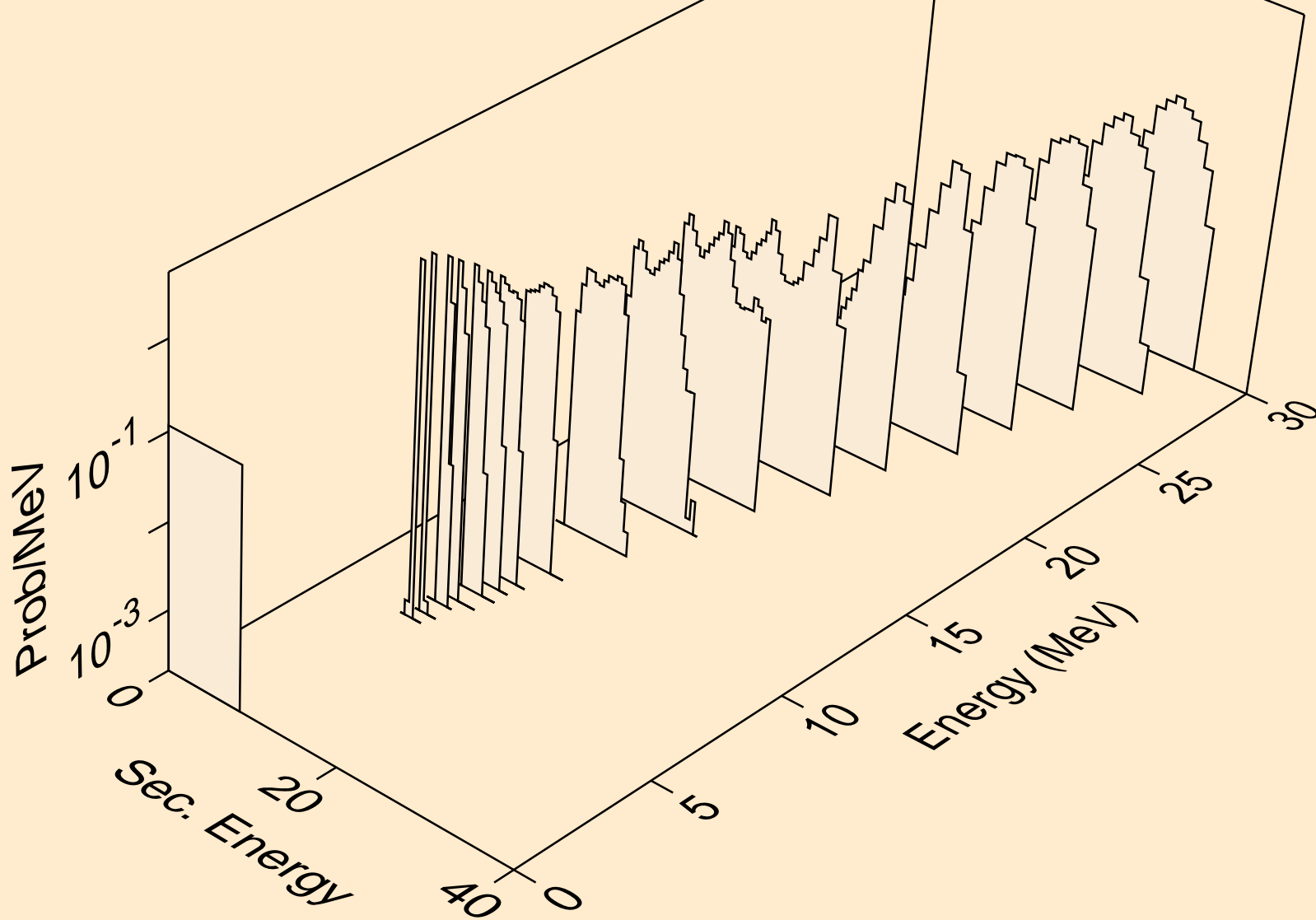




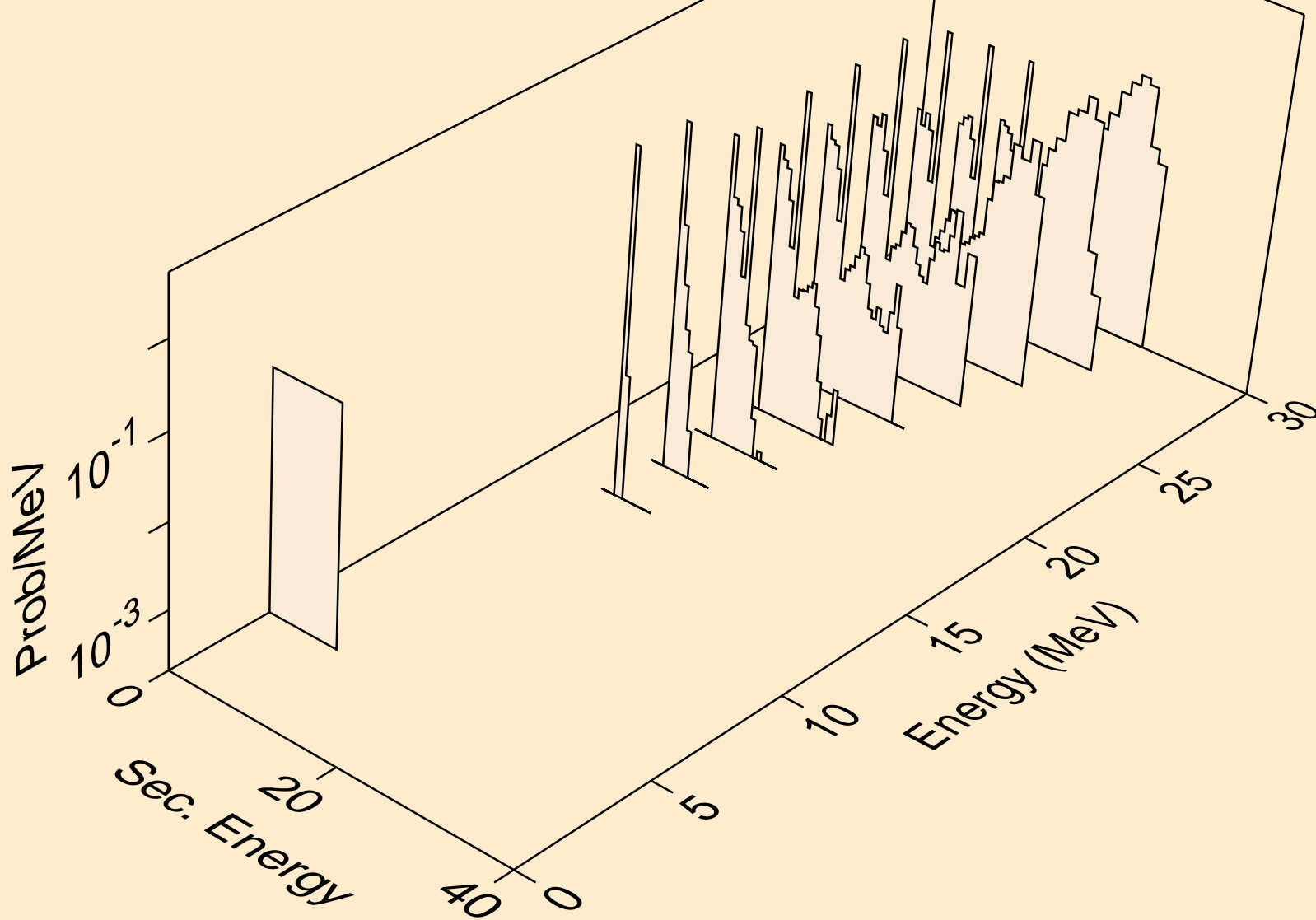
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alphas from (n,n\*)a



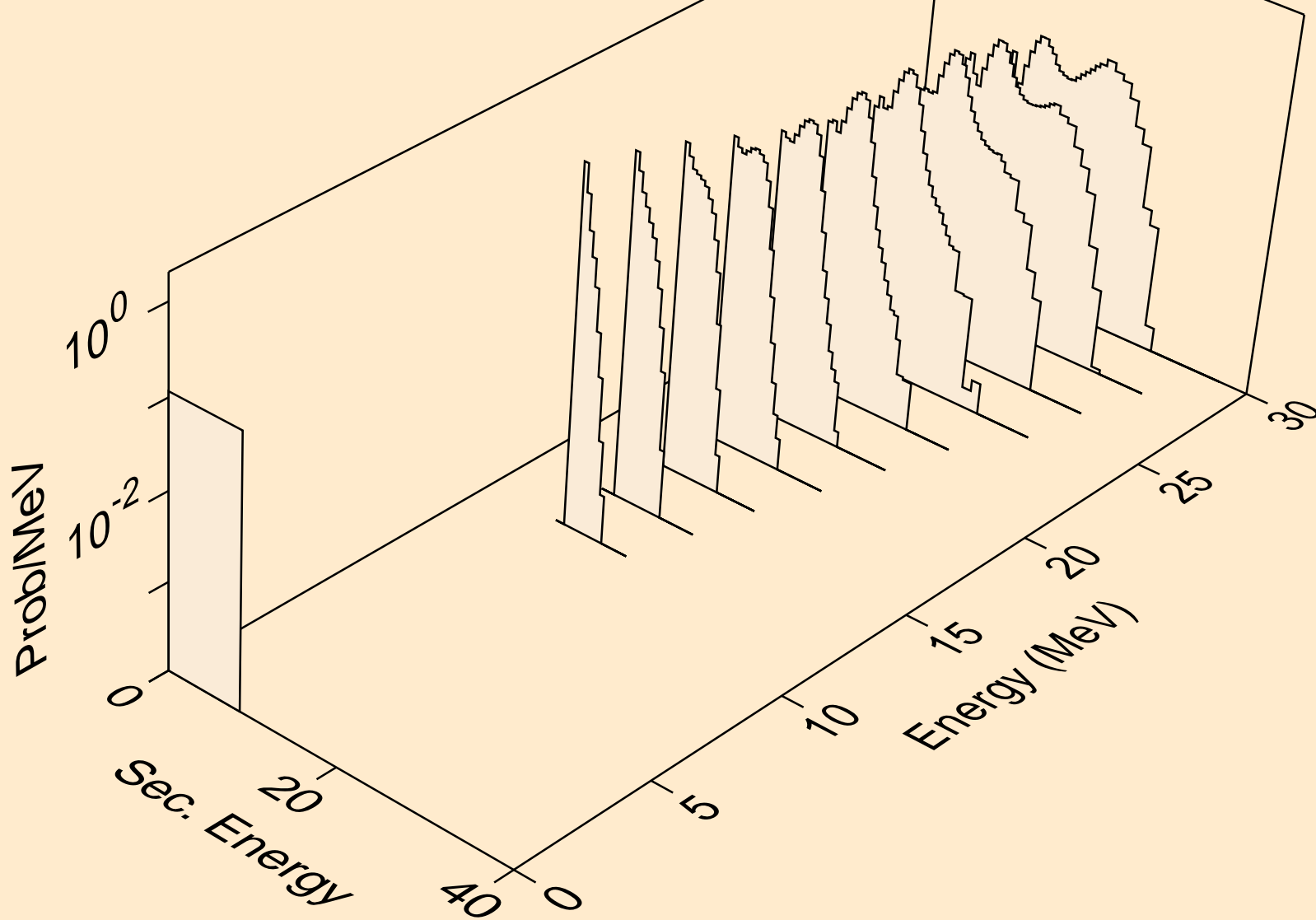
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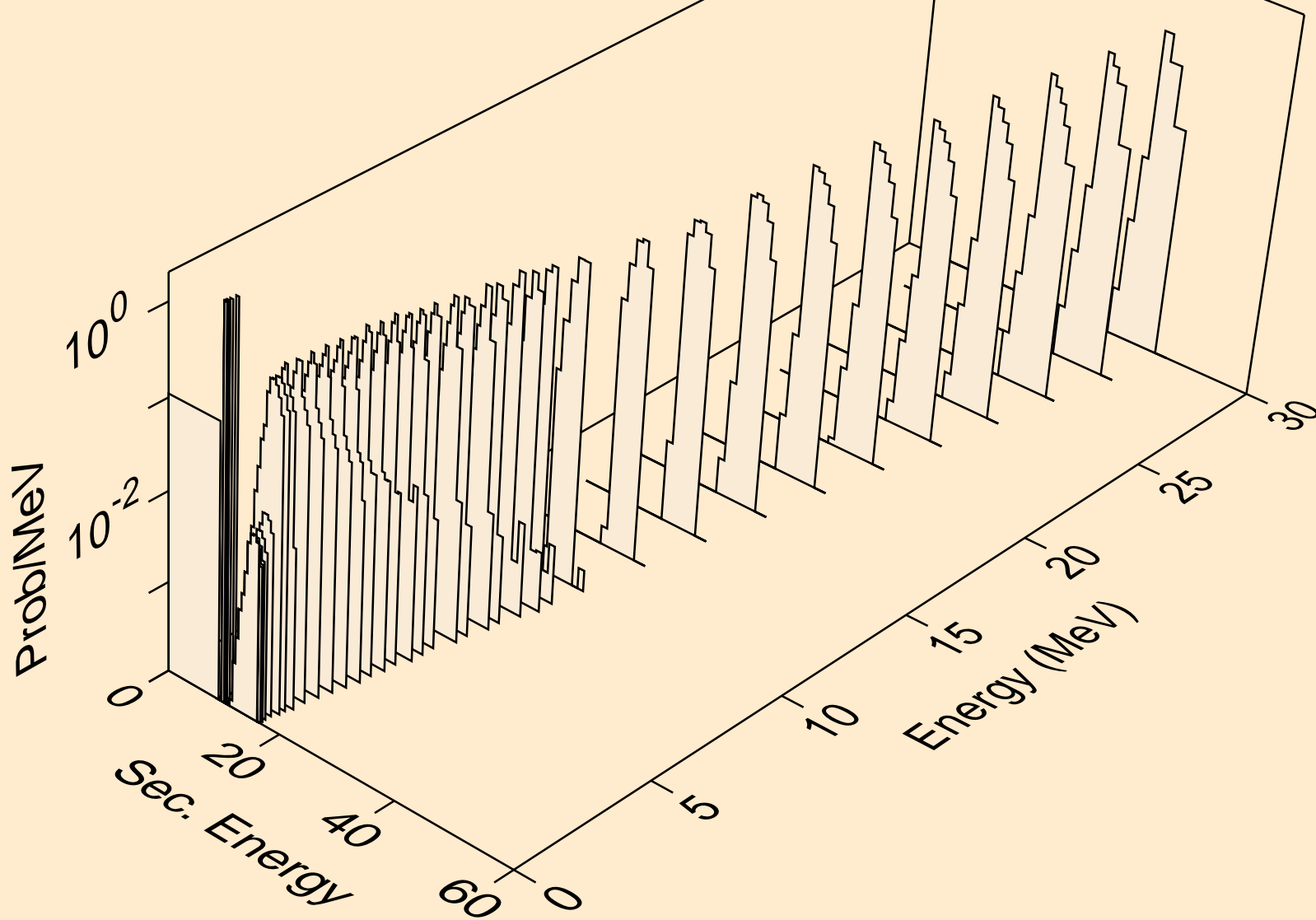
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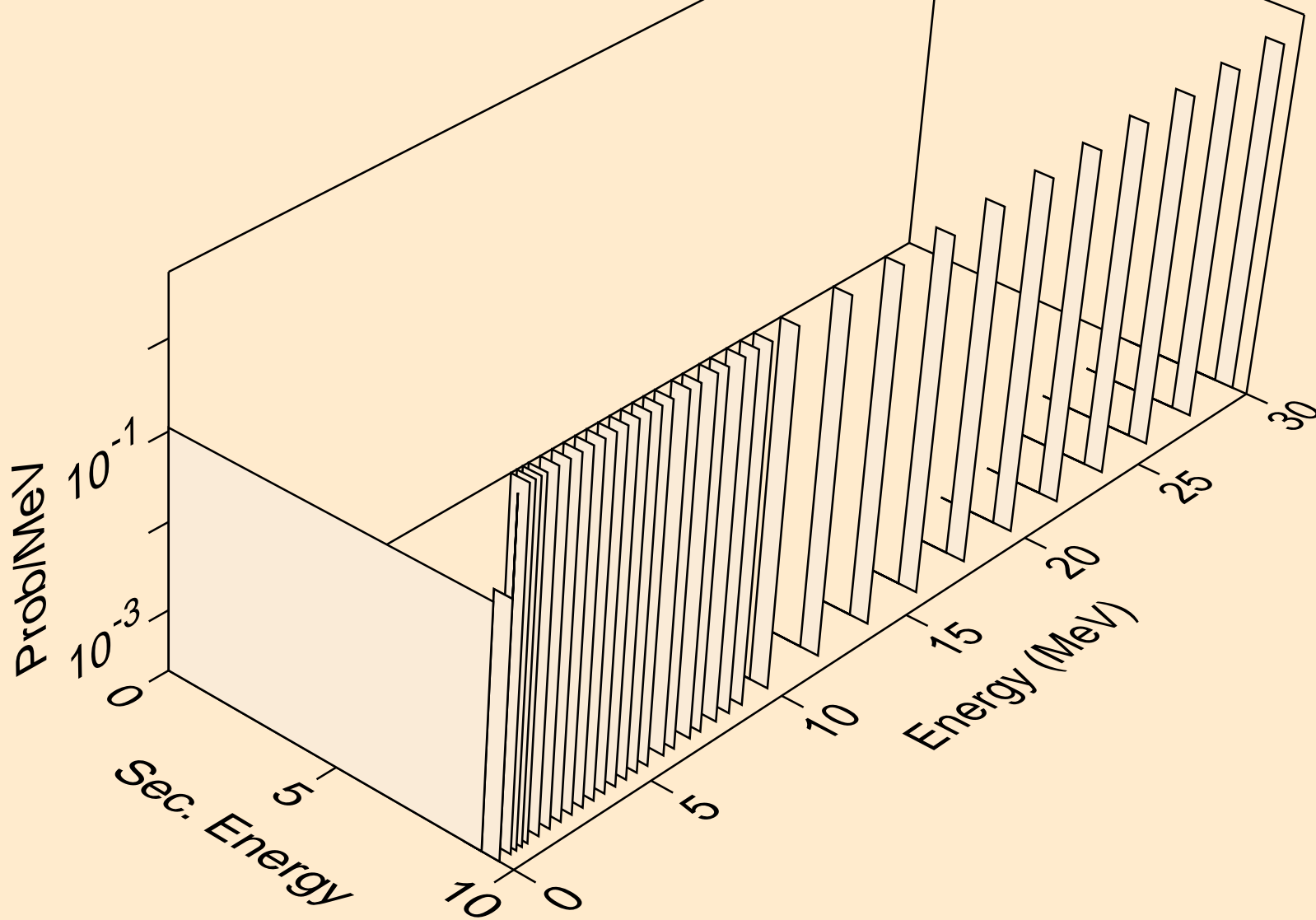
HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



HS271 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

