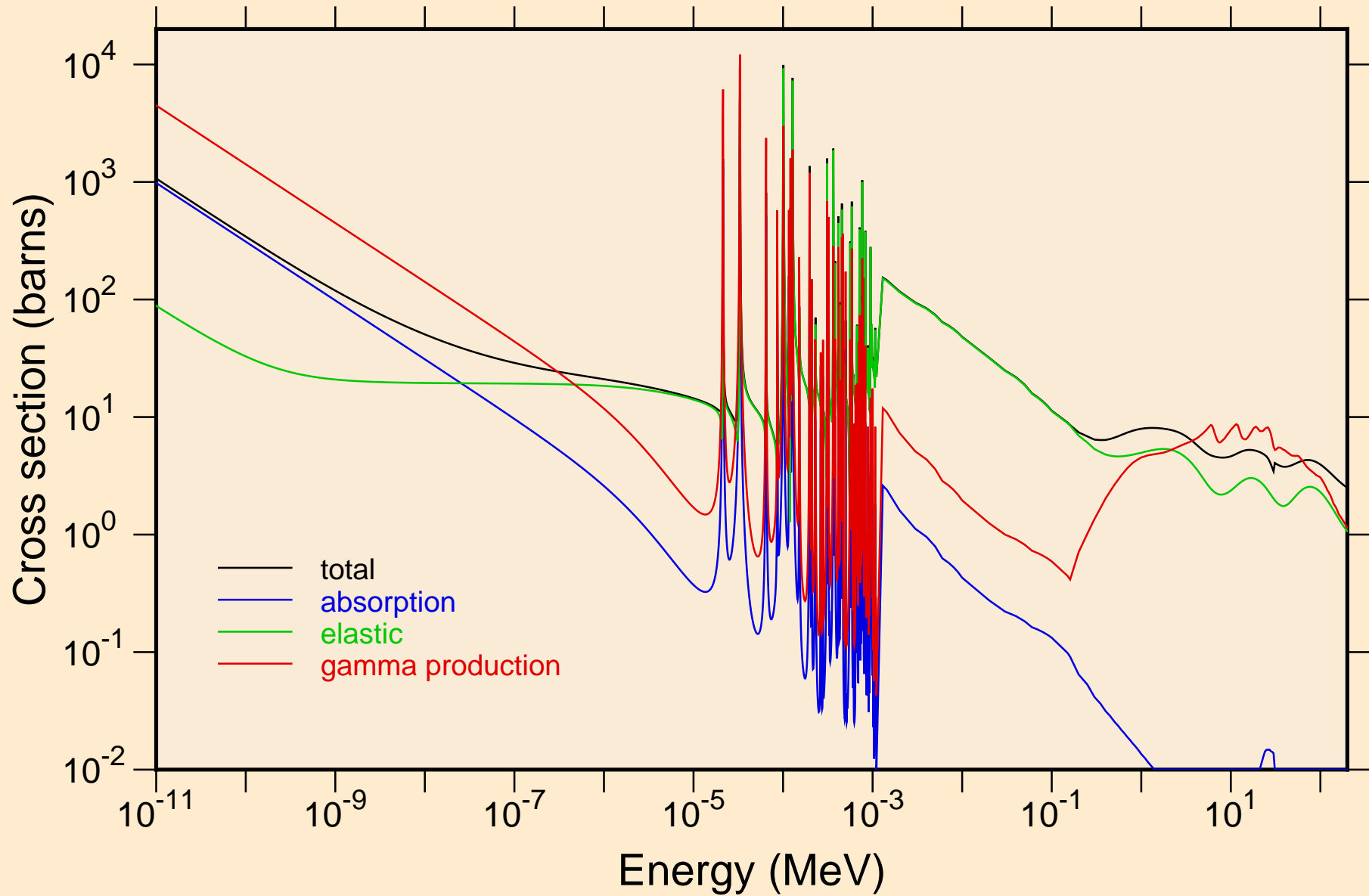
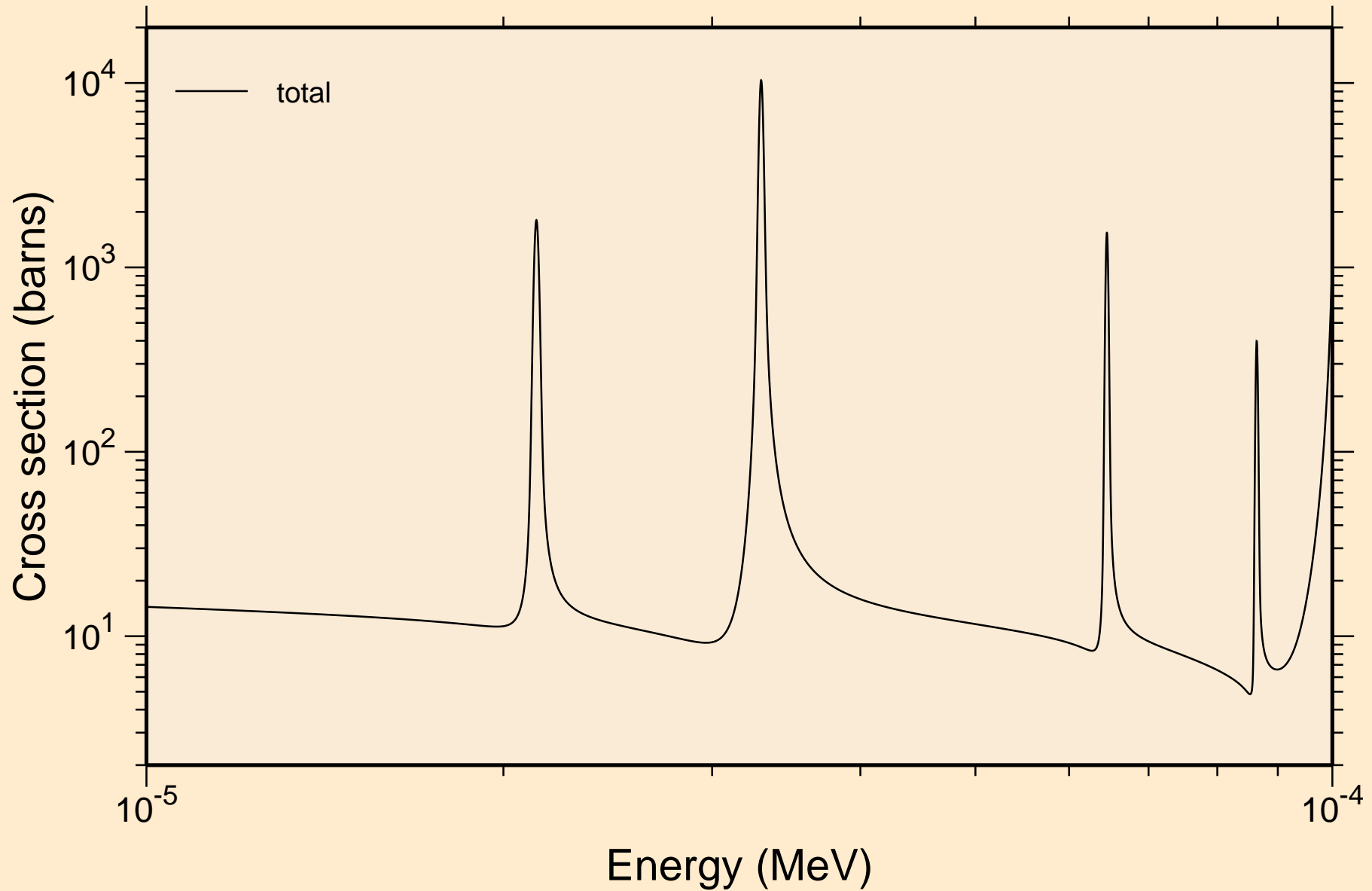


# EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

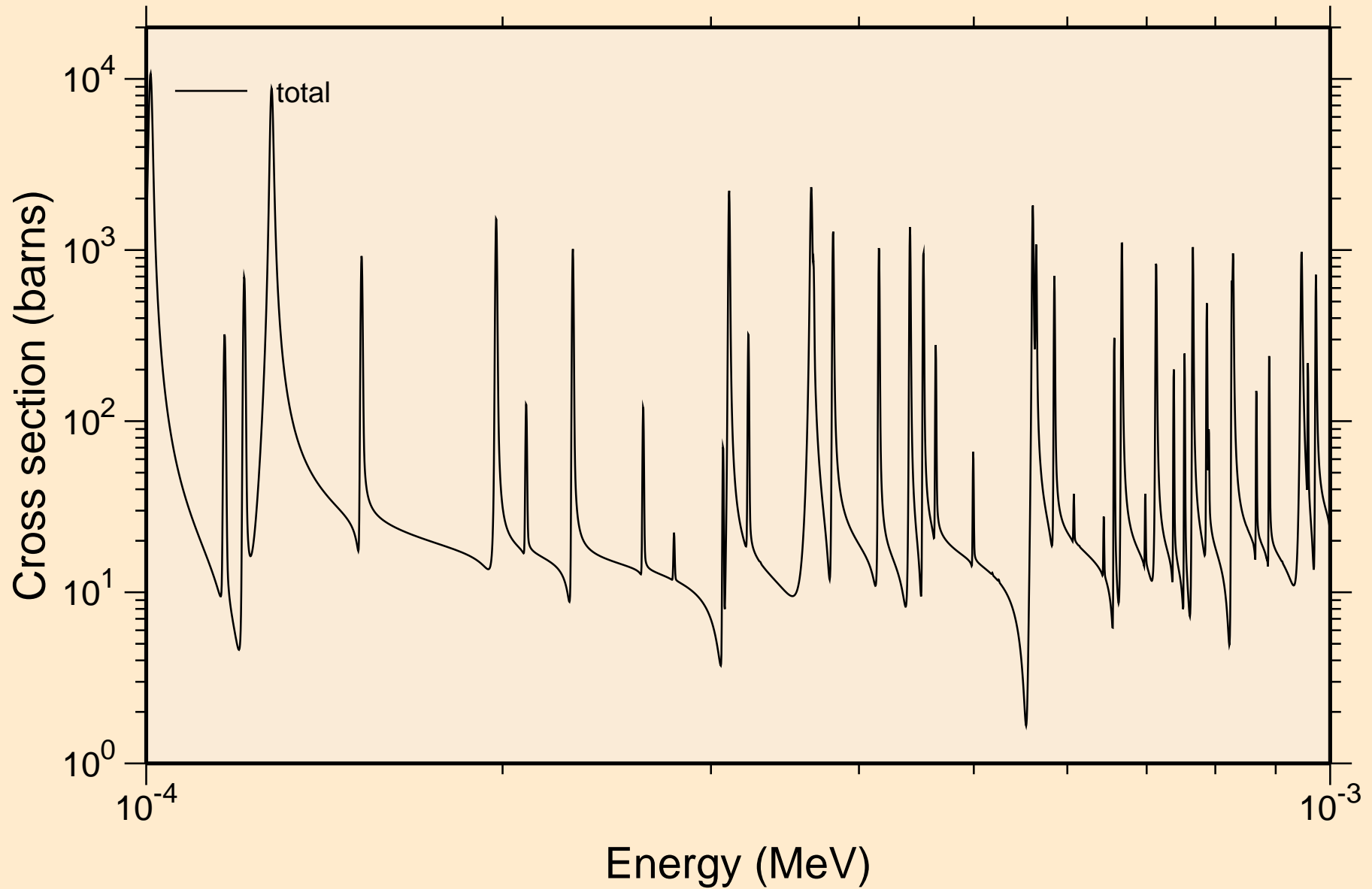
## Principal cross sections



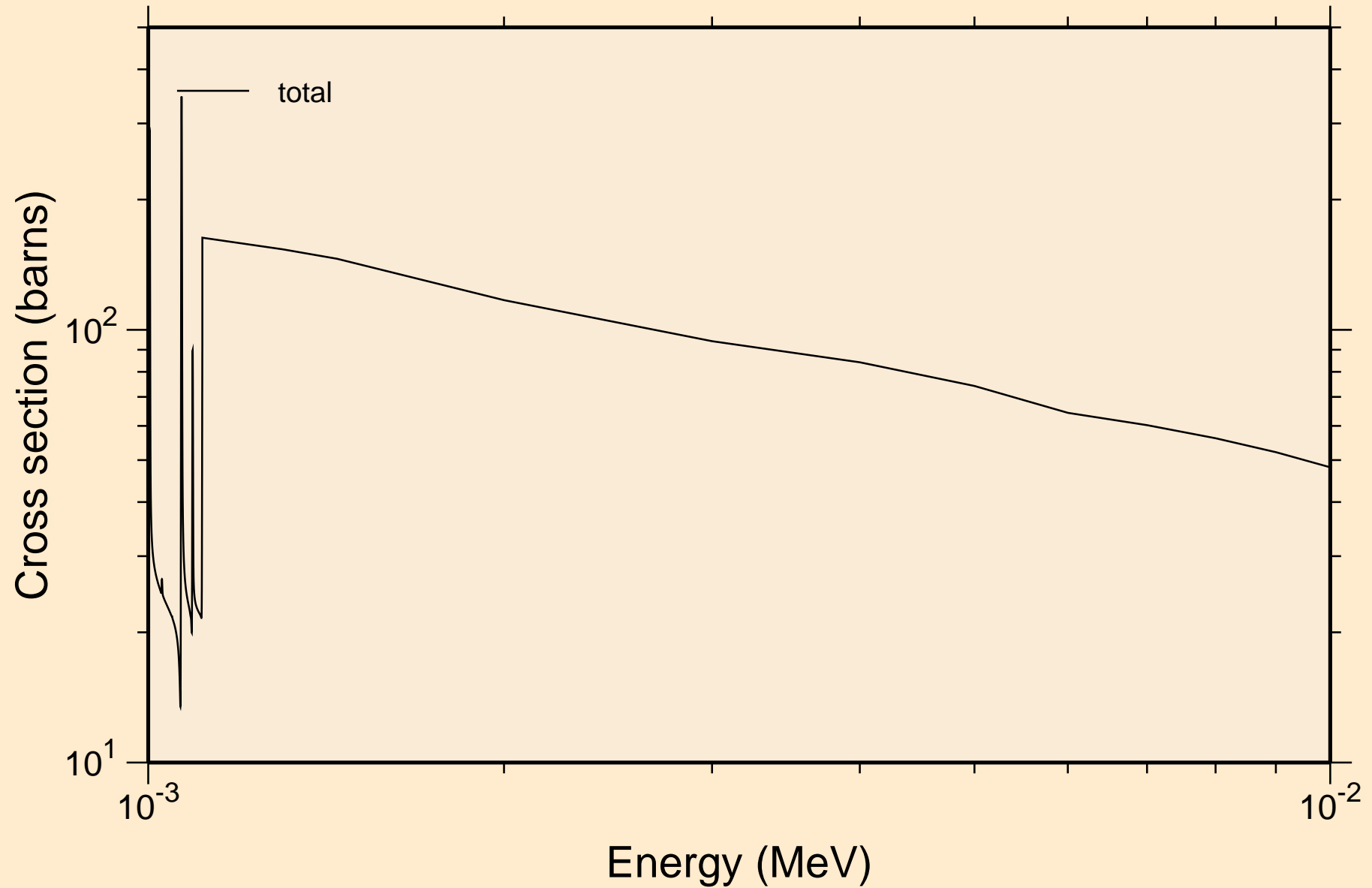
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resonance total cross section



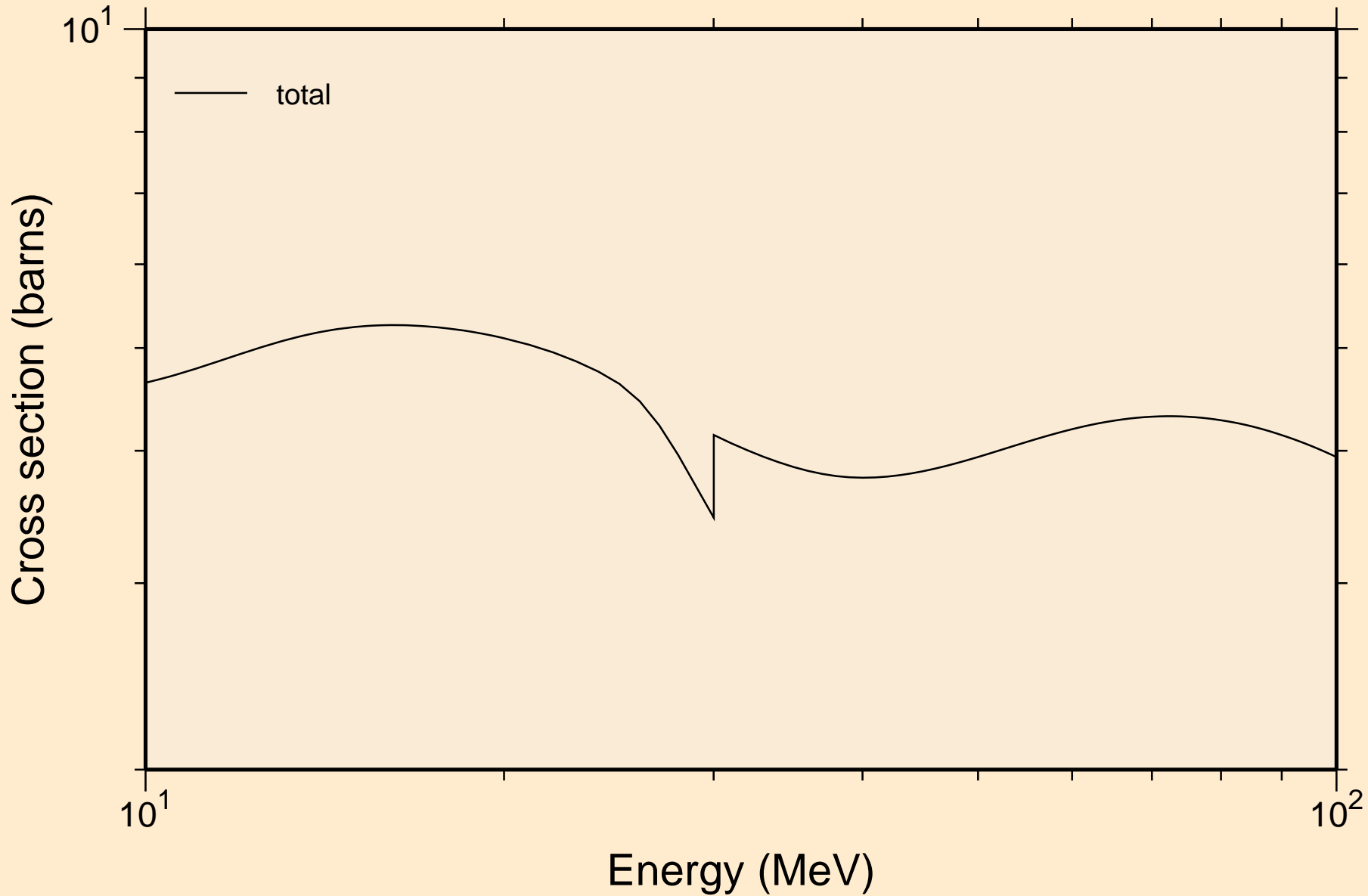
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resonance total cross section



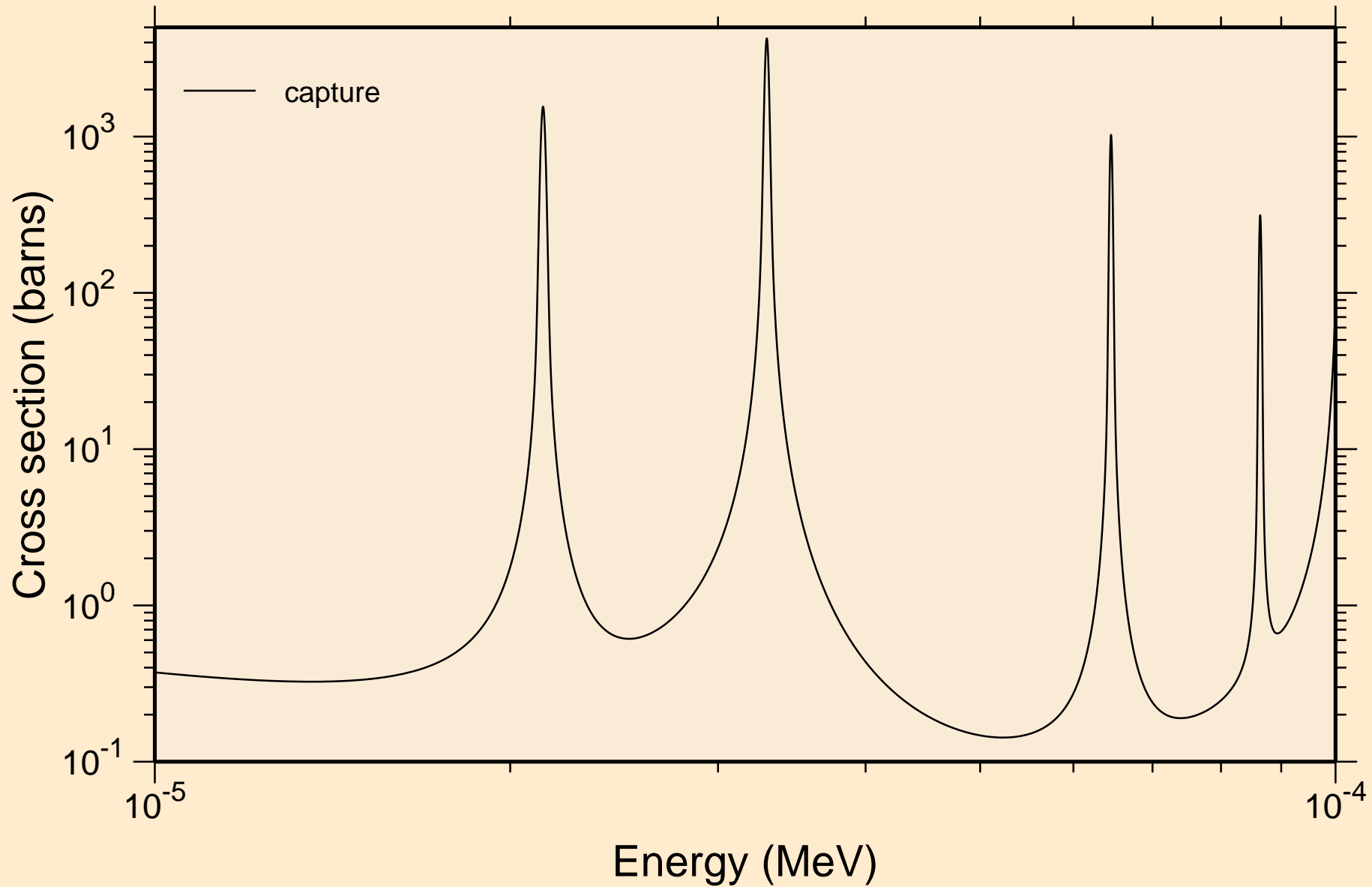
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



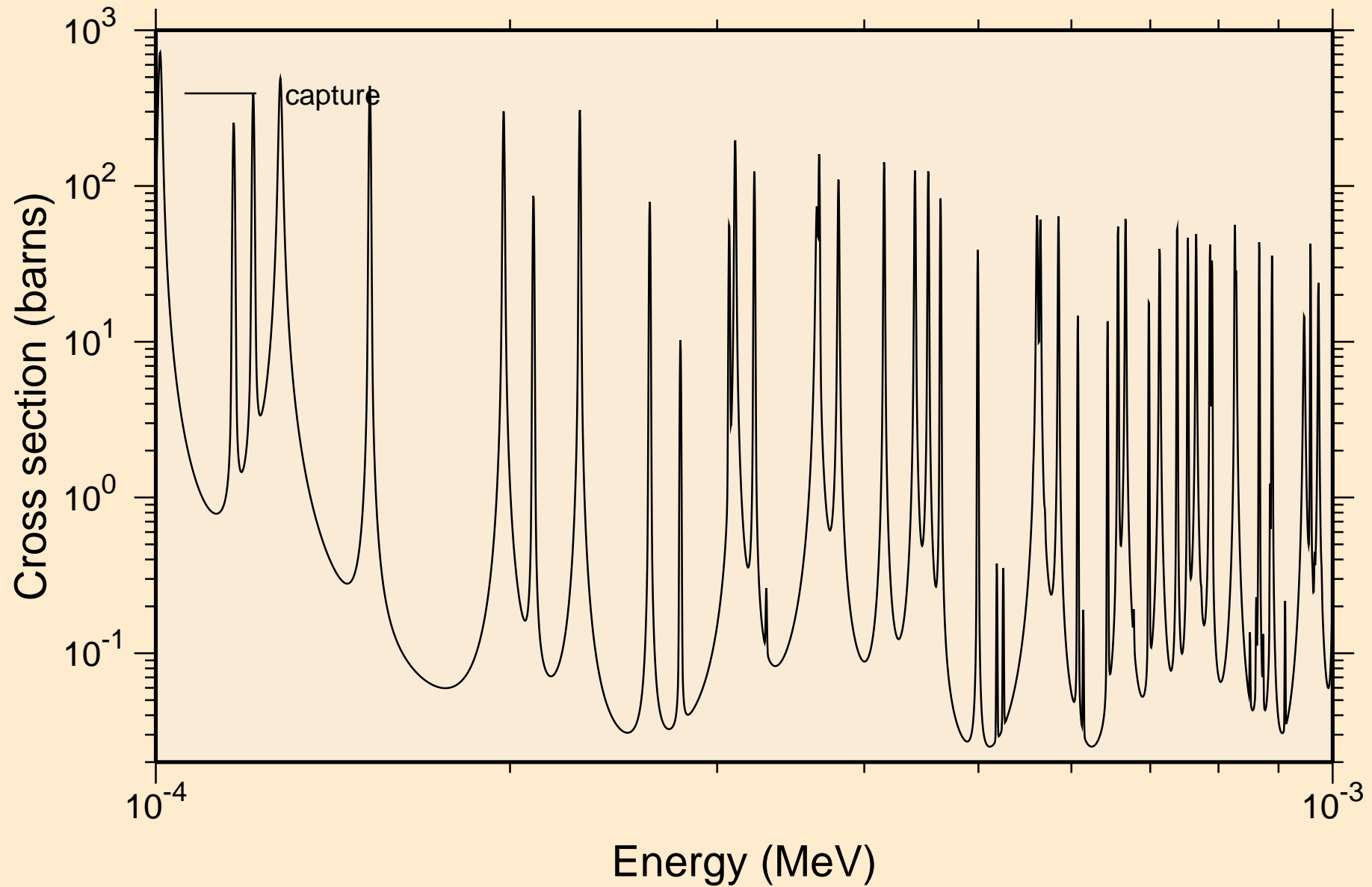
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resonance total cross section



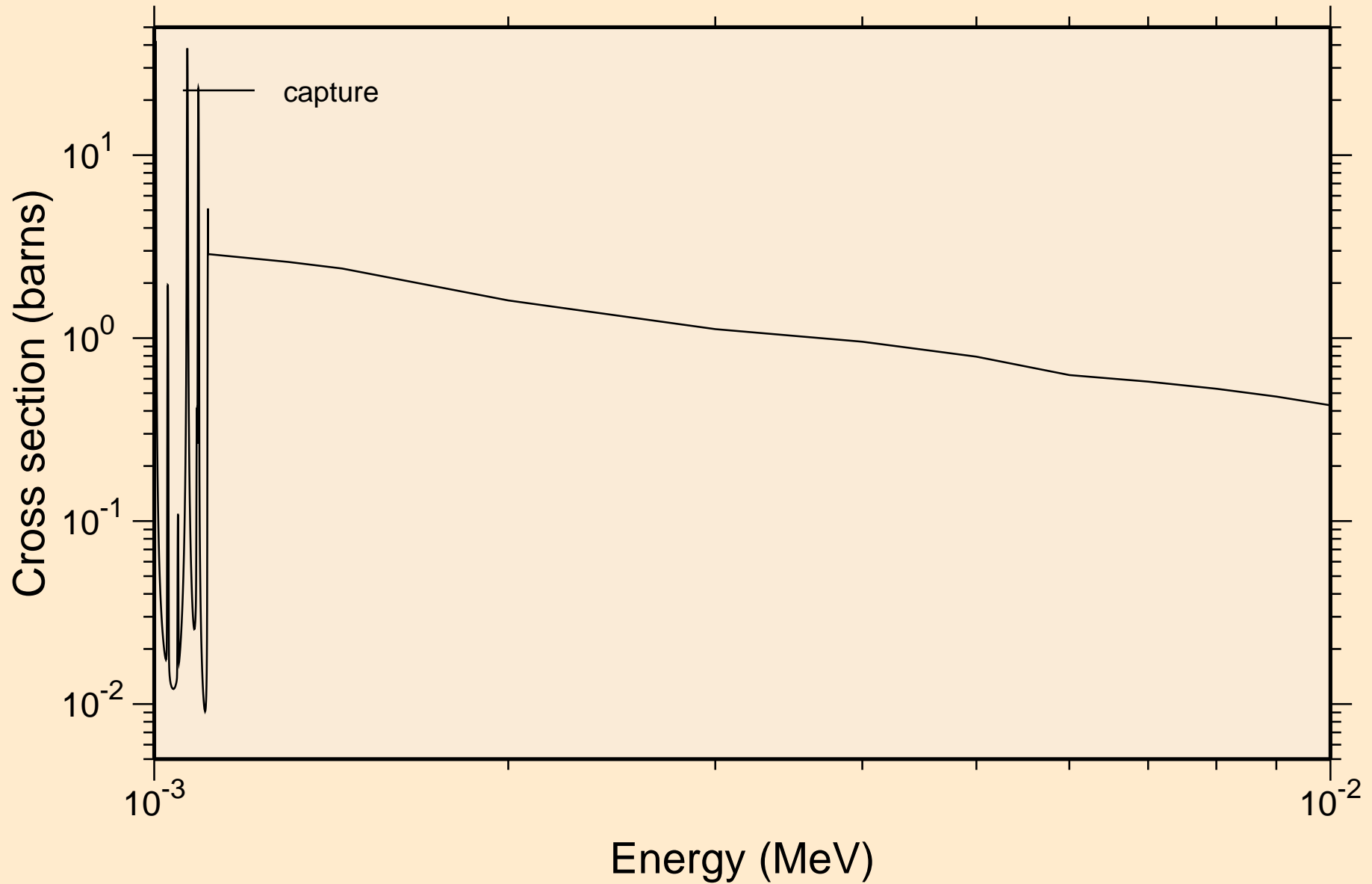
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

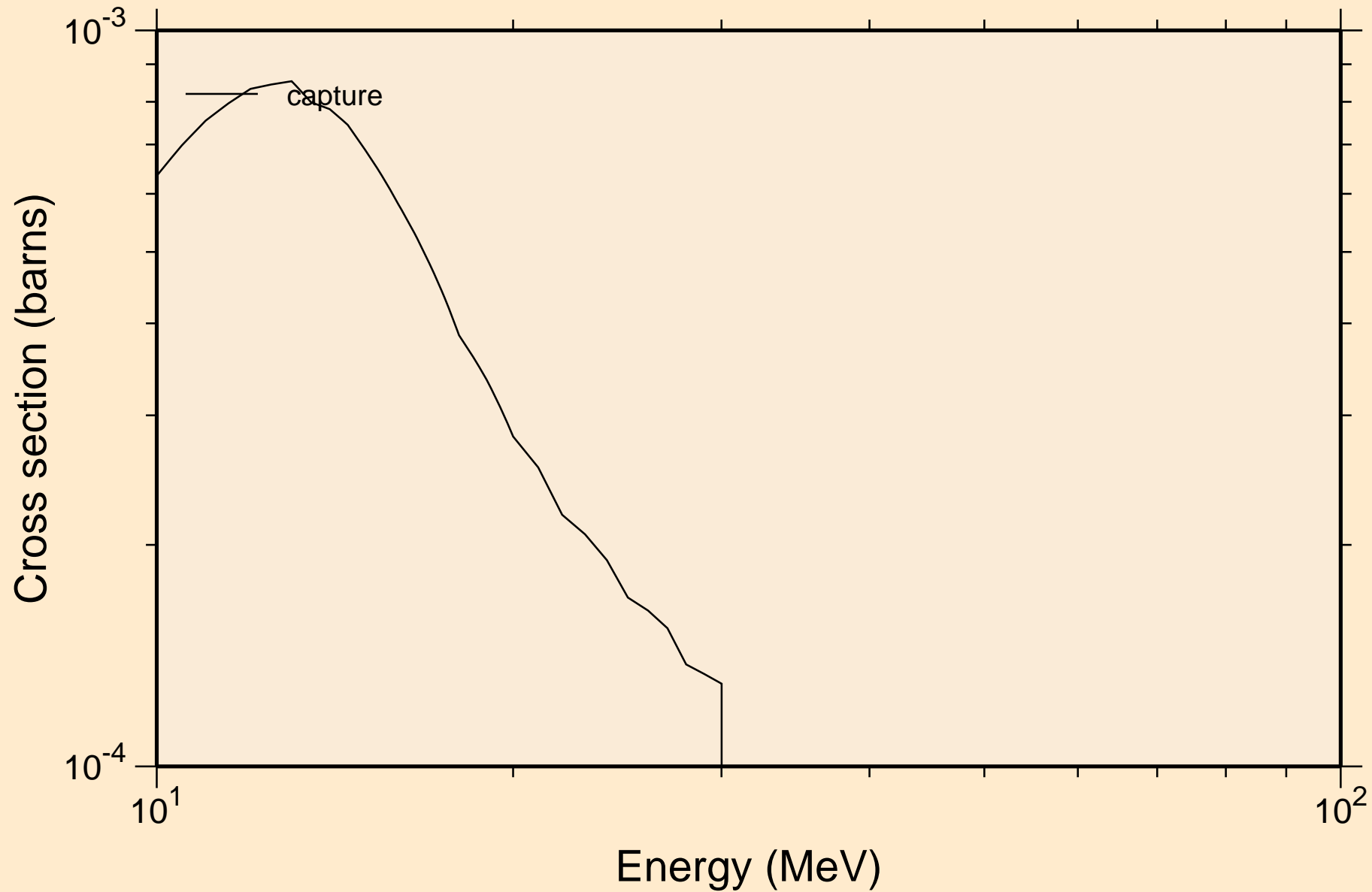


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resonance absorption cross sections

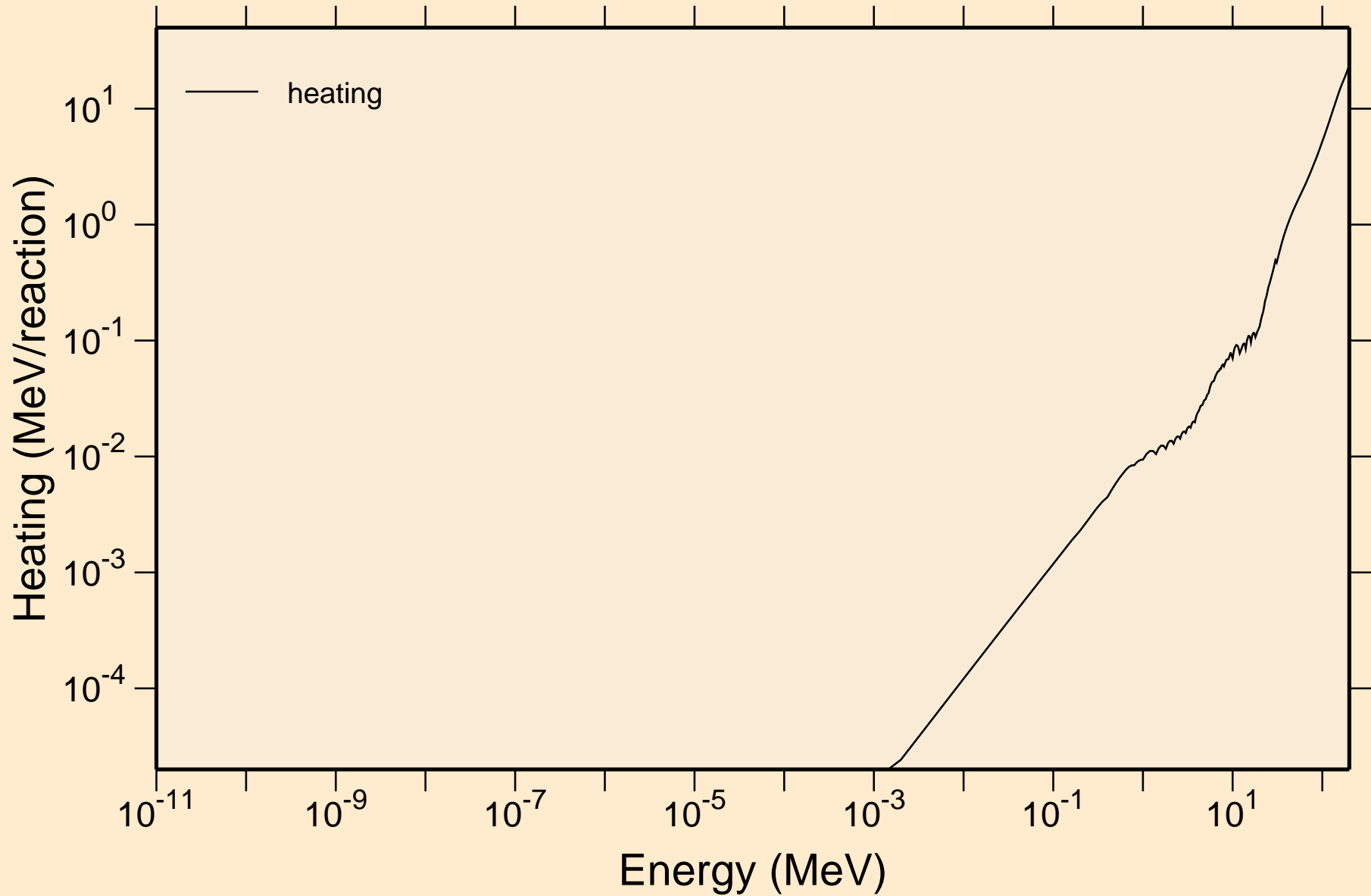




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resonance absorption cross sections

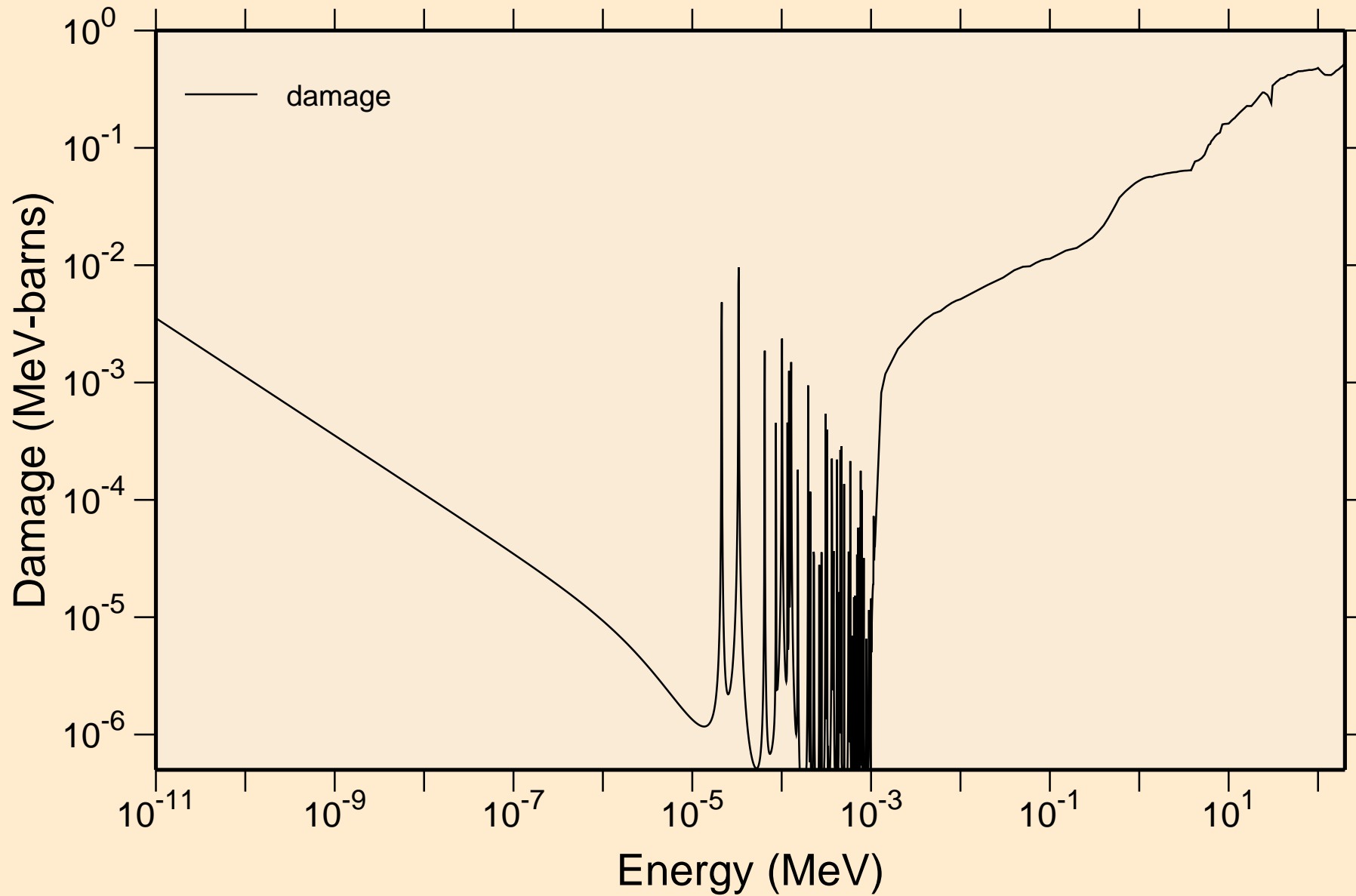


EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

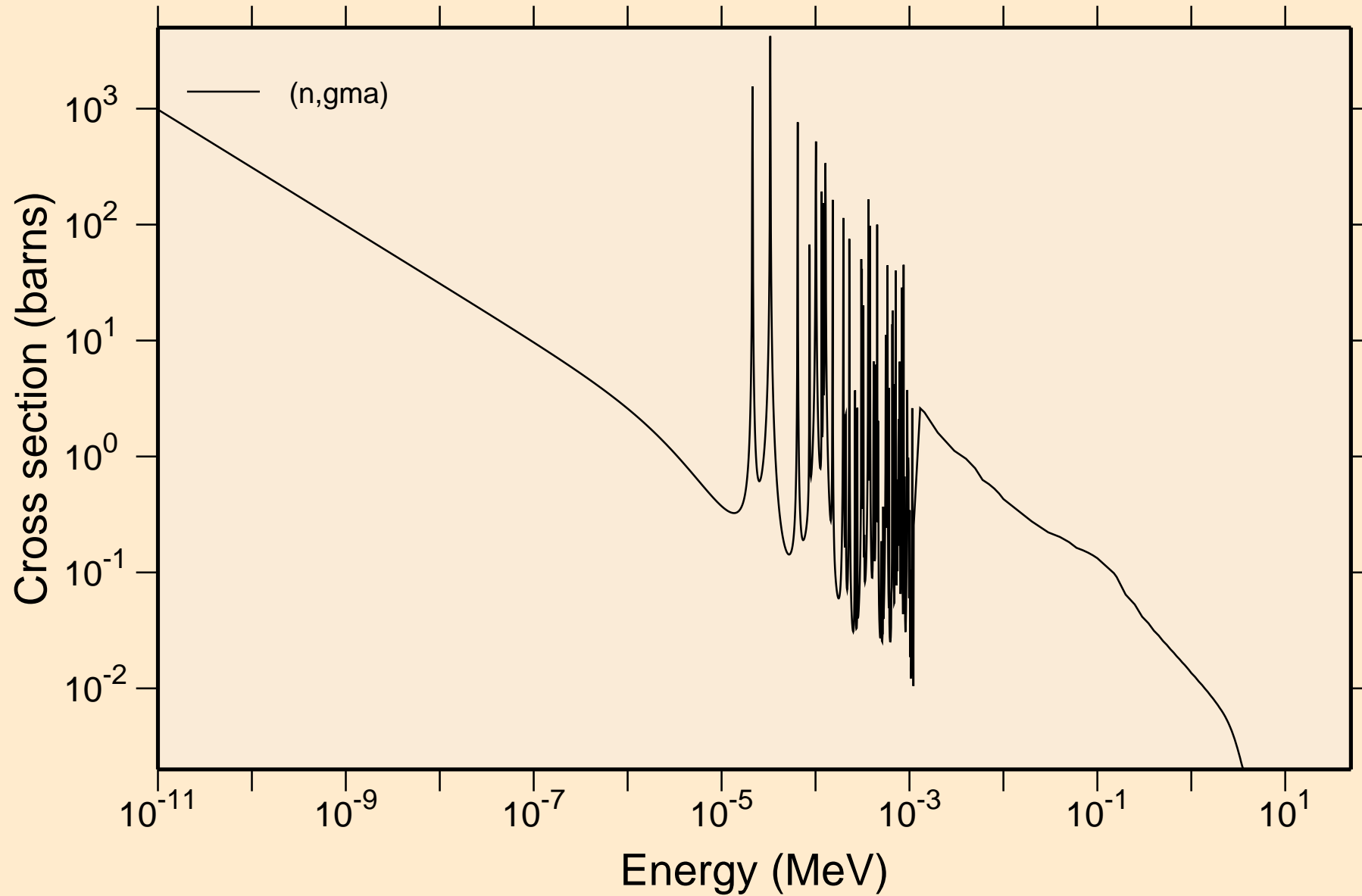


# EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Damage

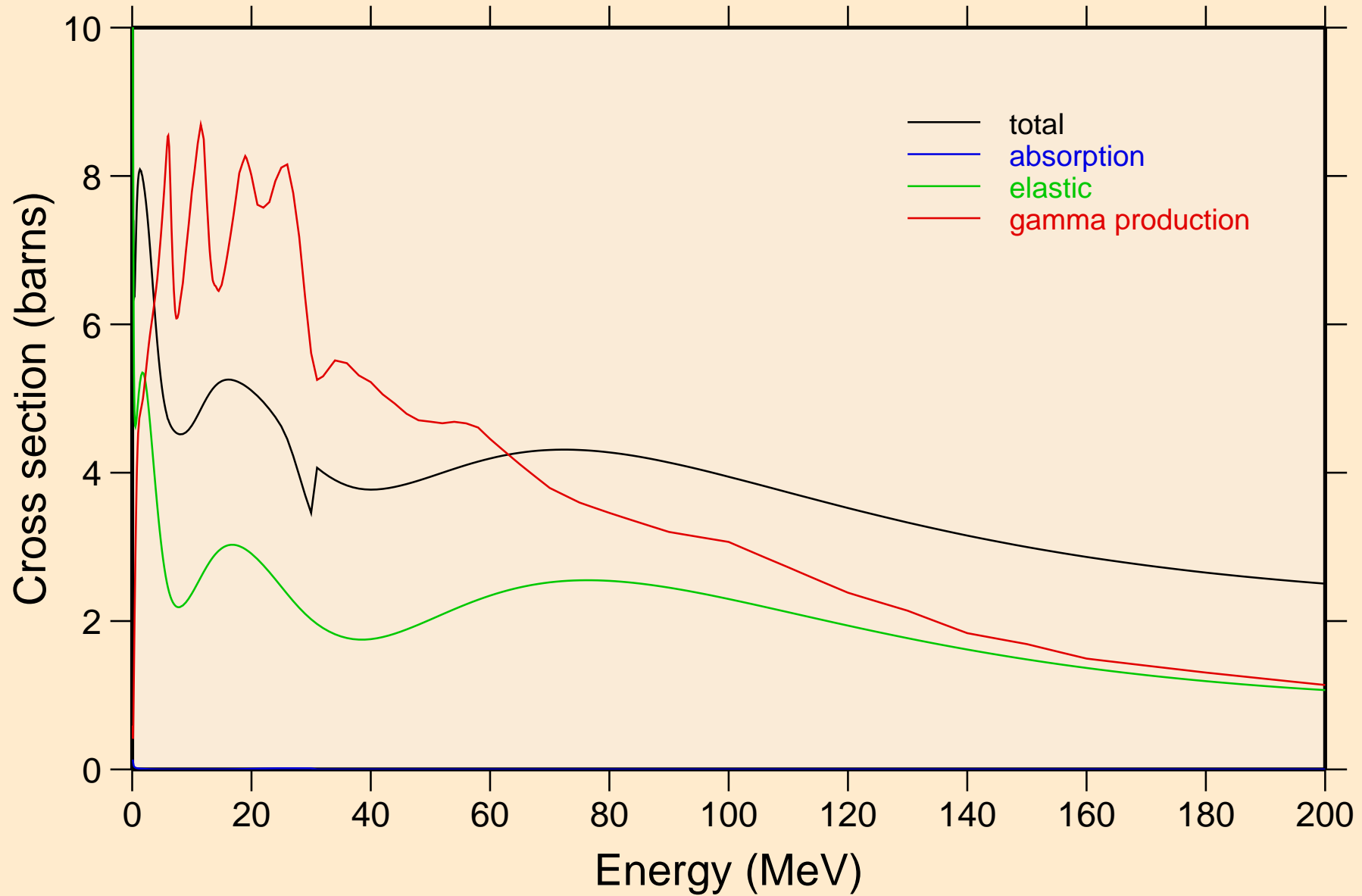


EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

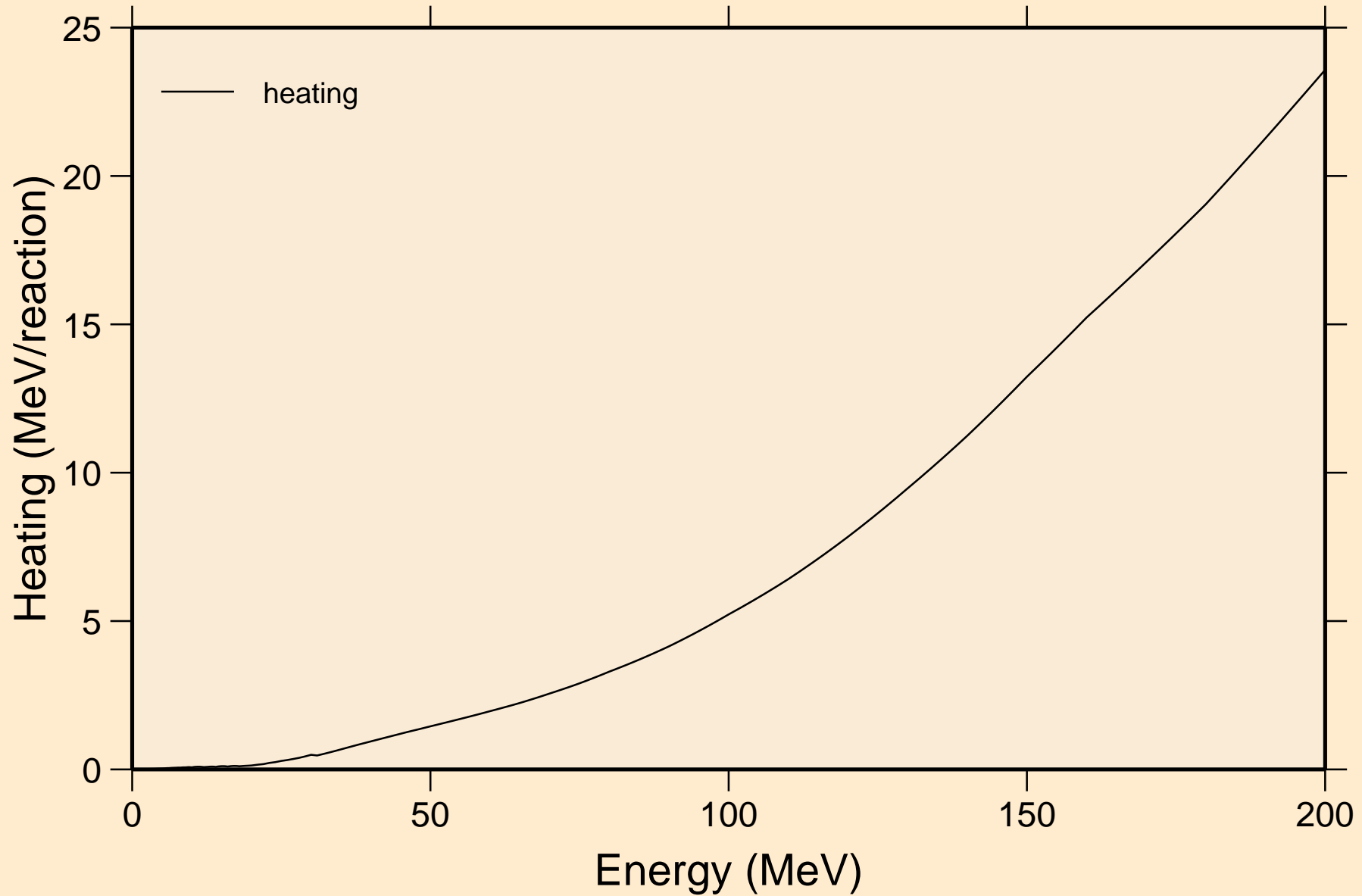


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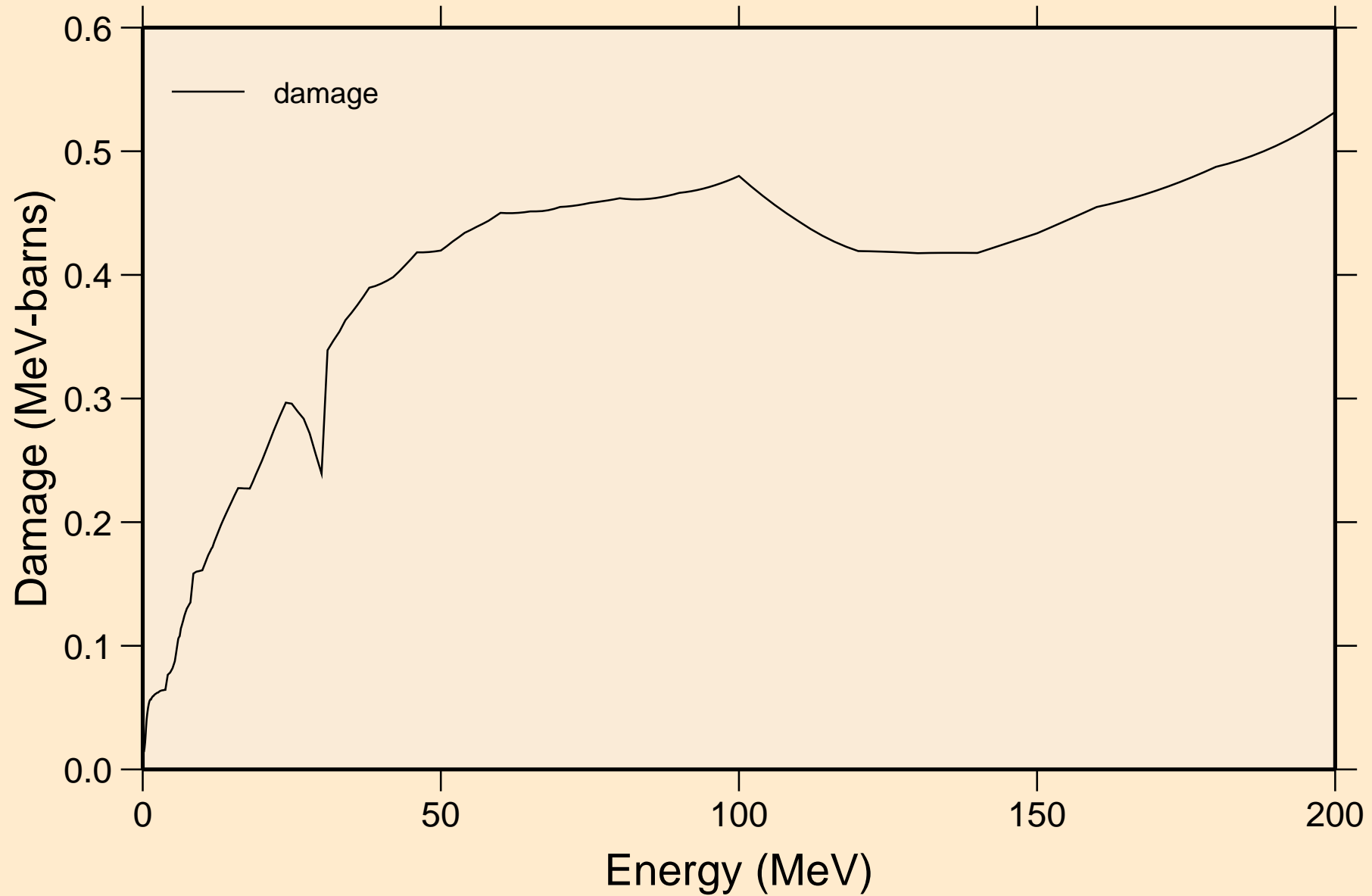
## Principal cross sections



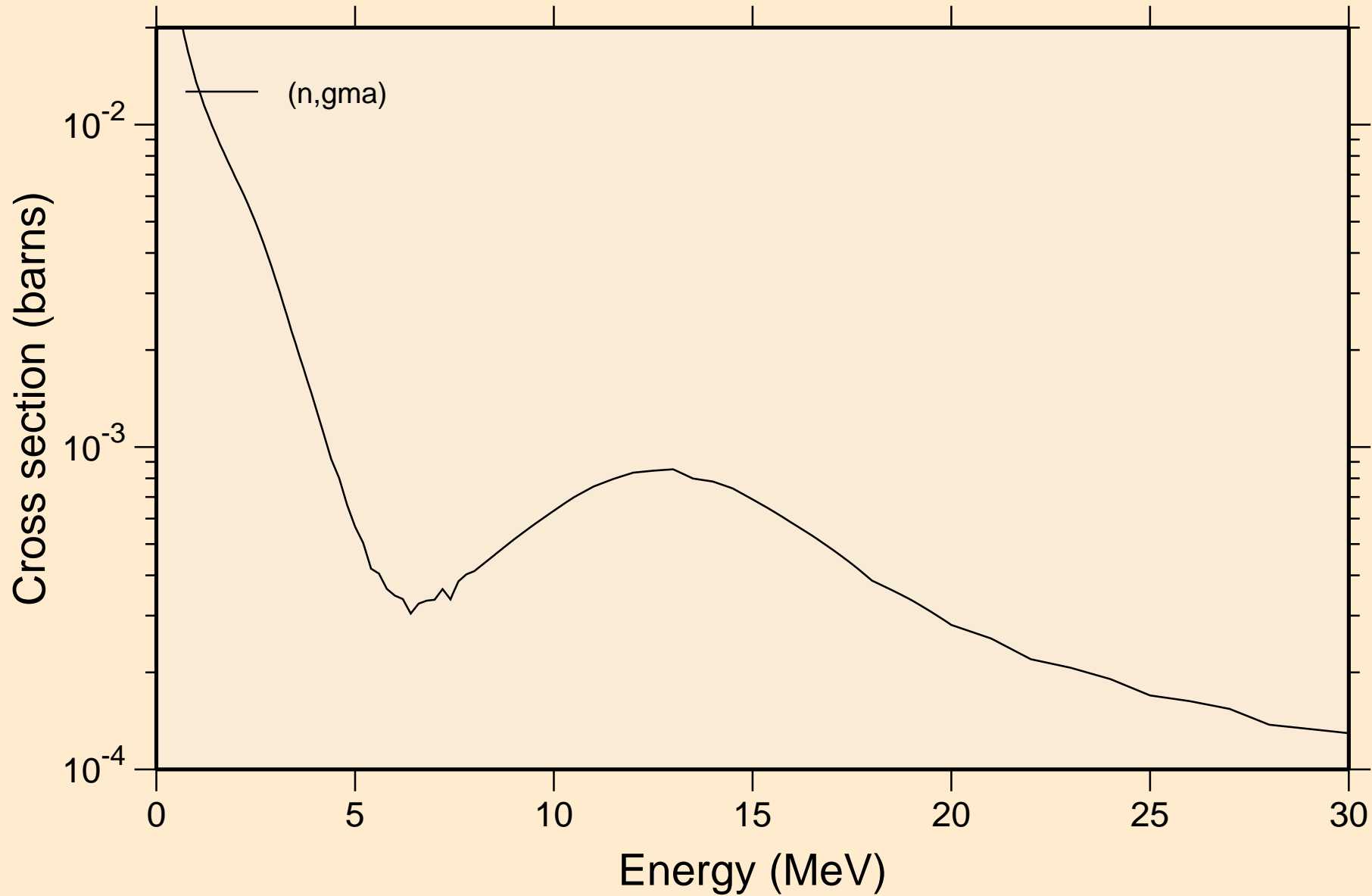
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

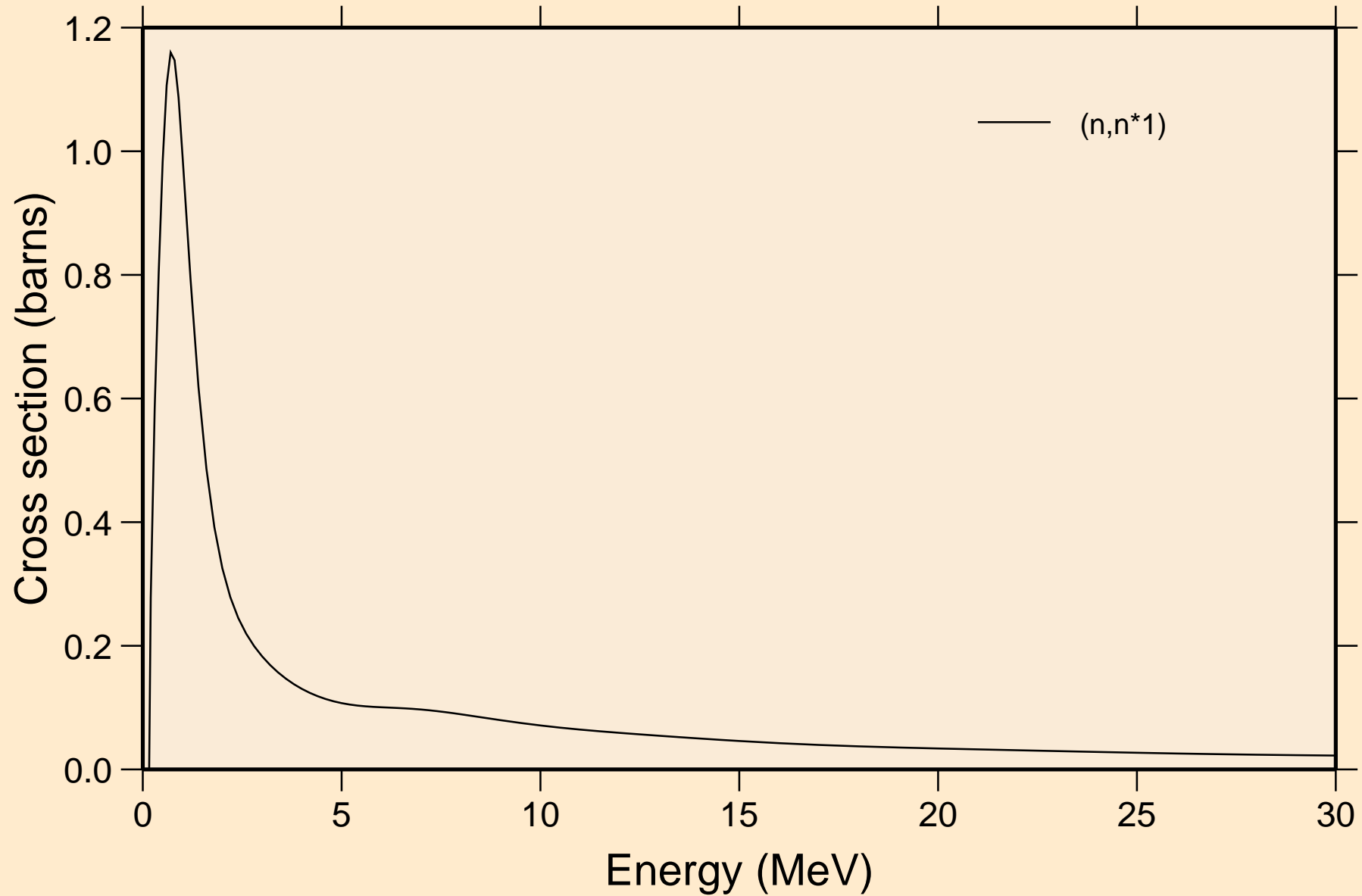


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Non-threshold reactions

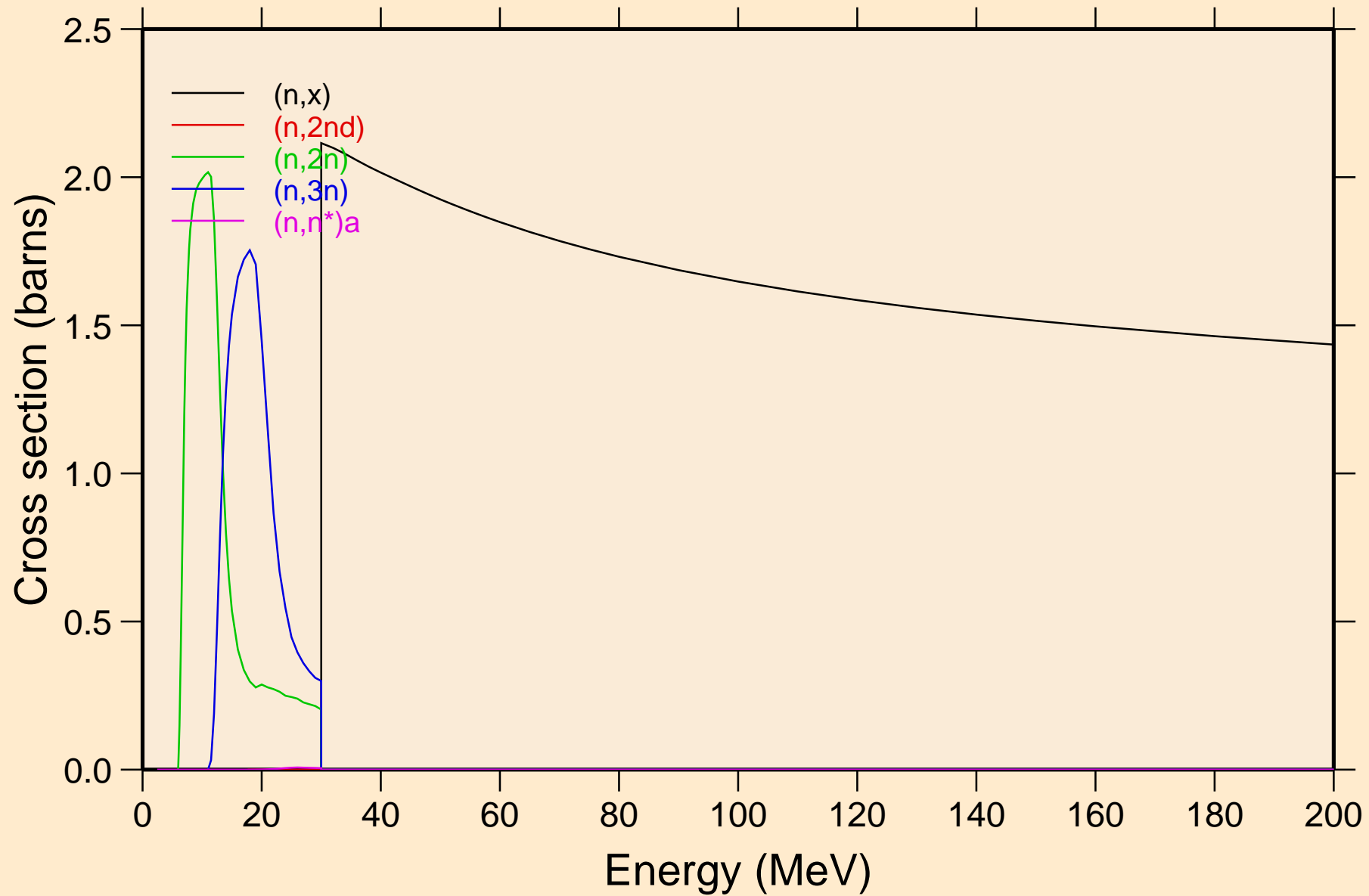




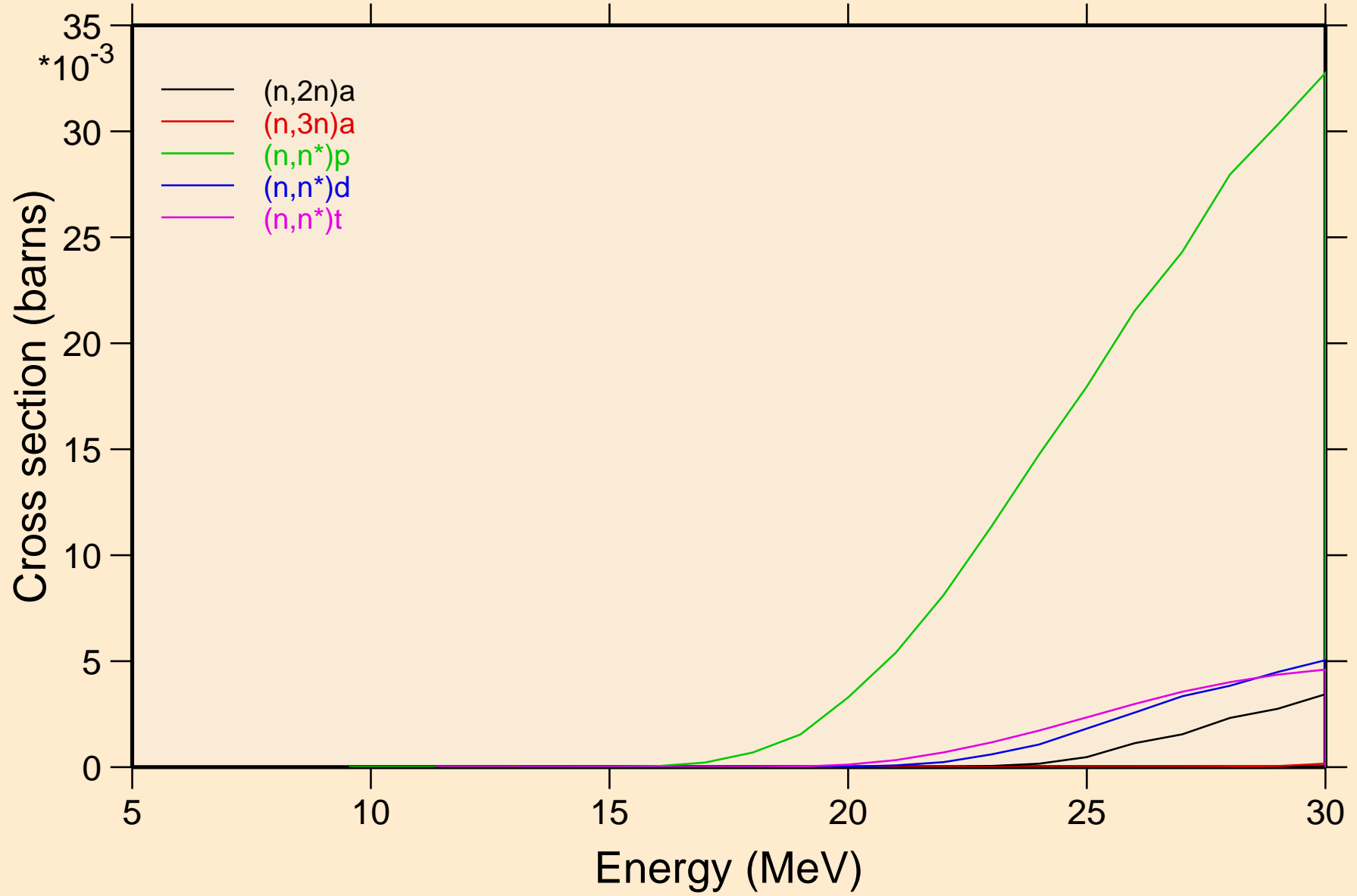
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



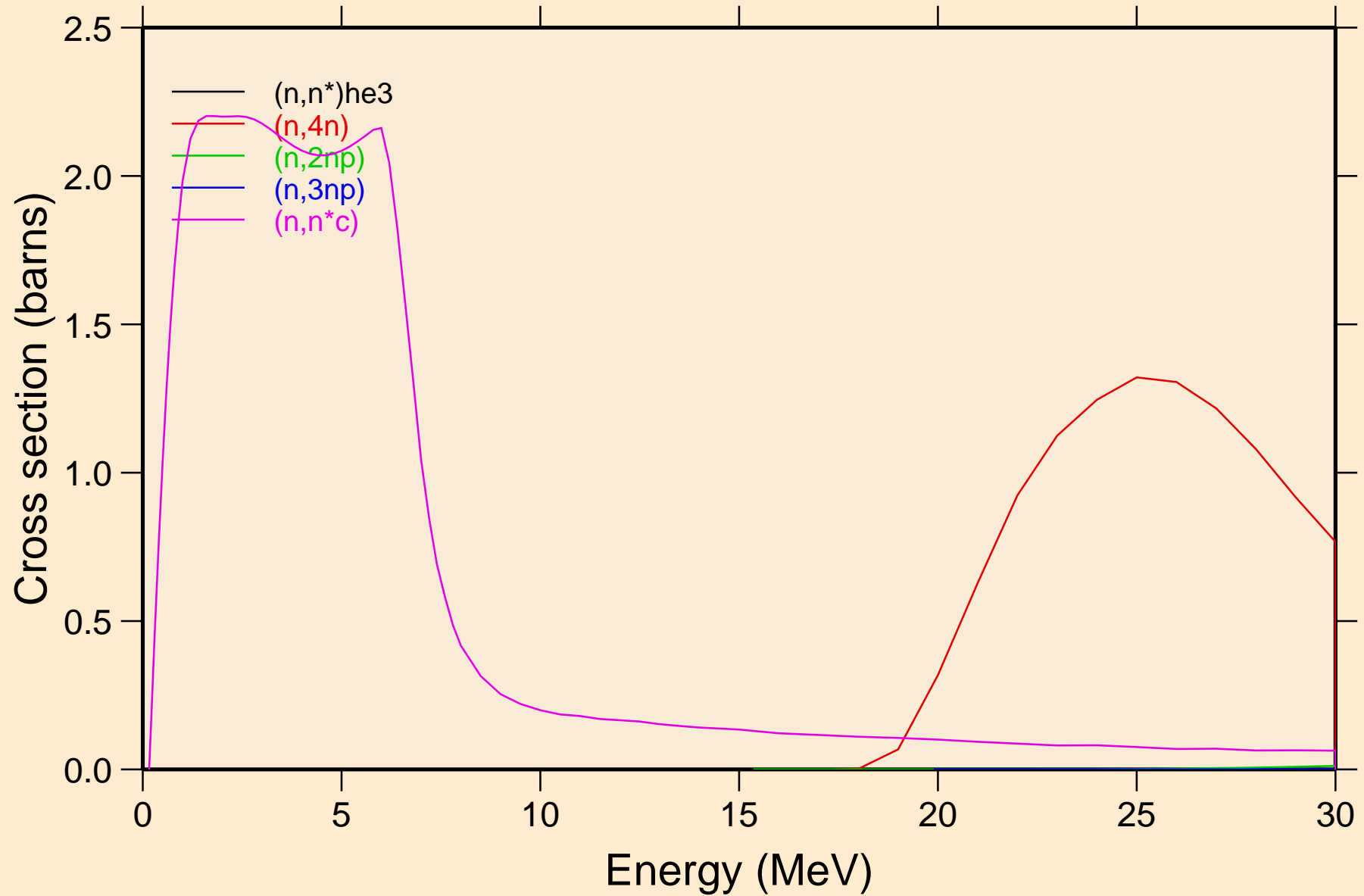
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Threshold reactions



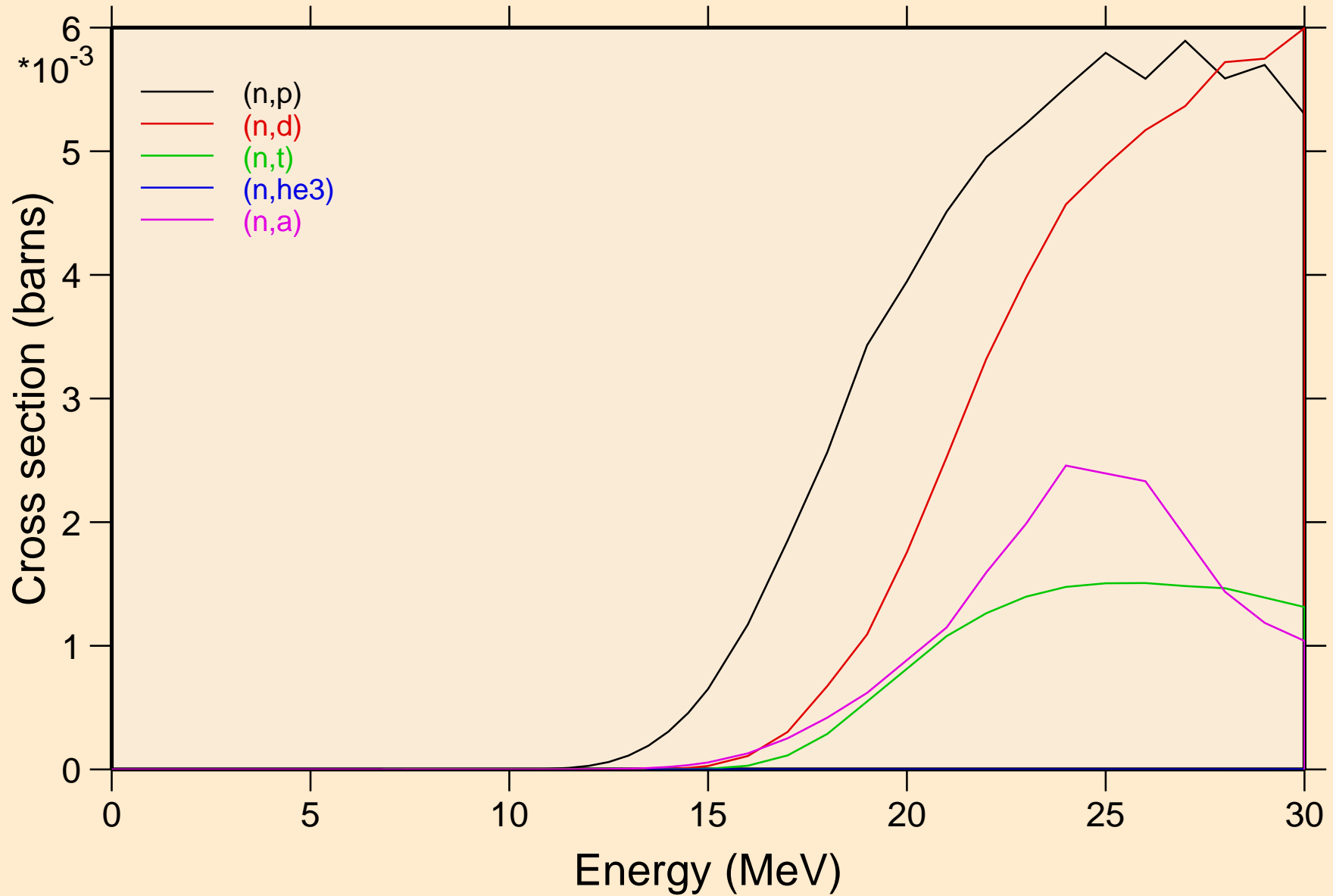
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Threshold reactions



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

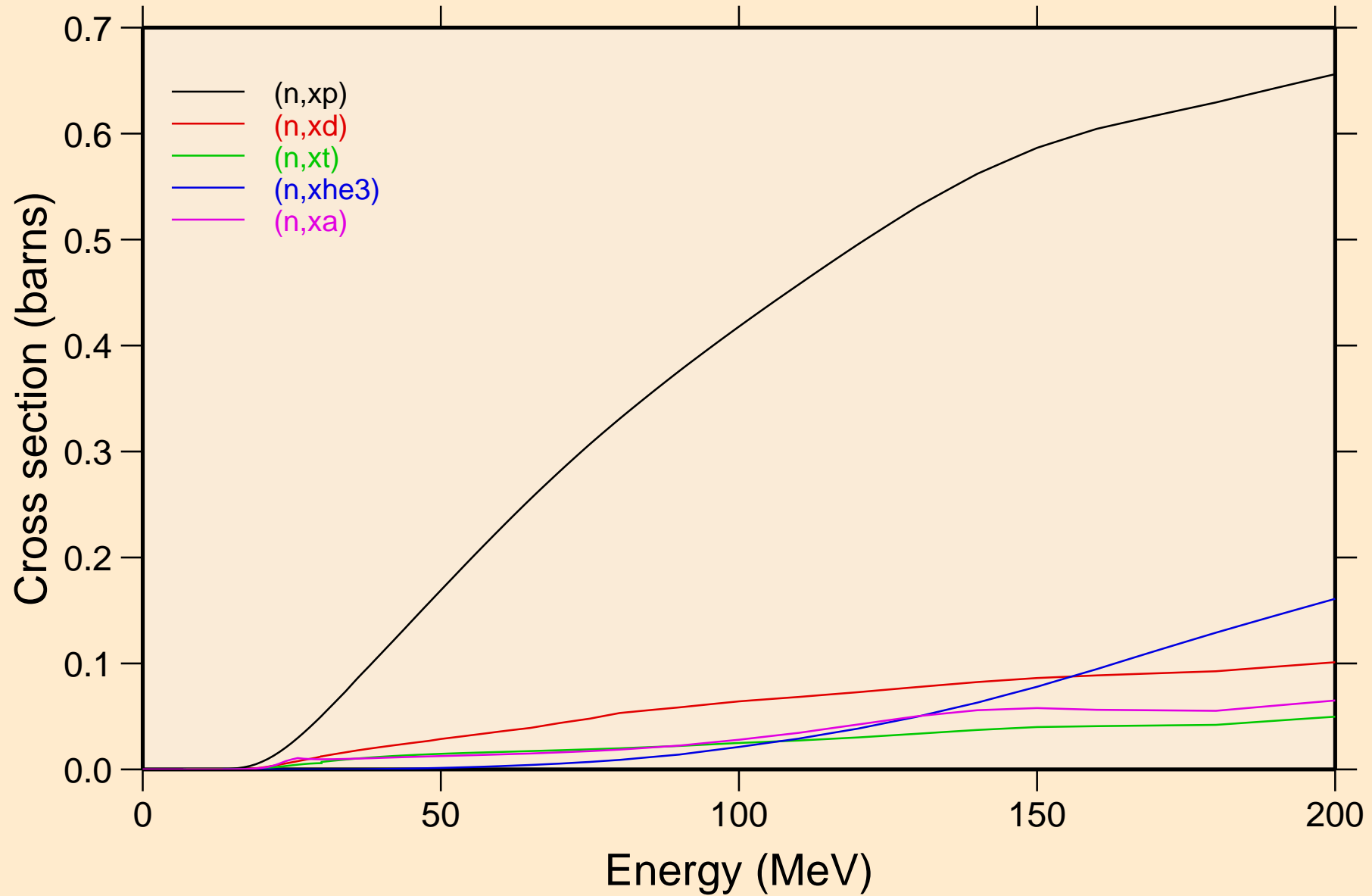


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Threshold reactions

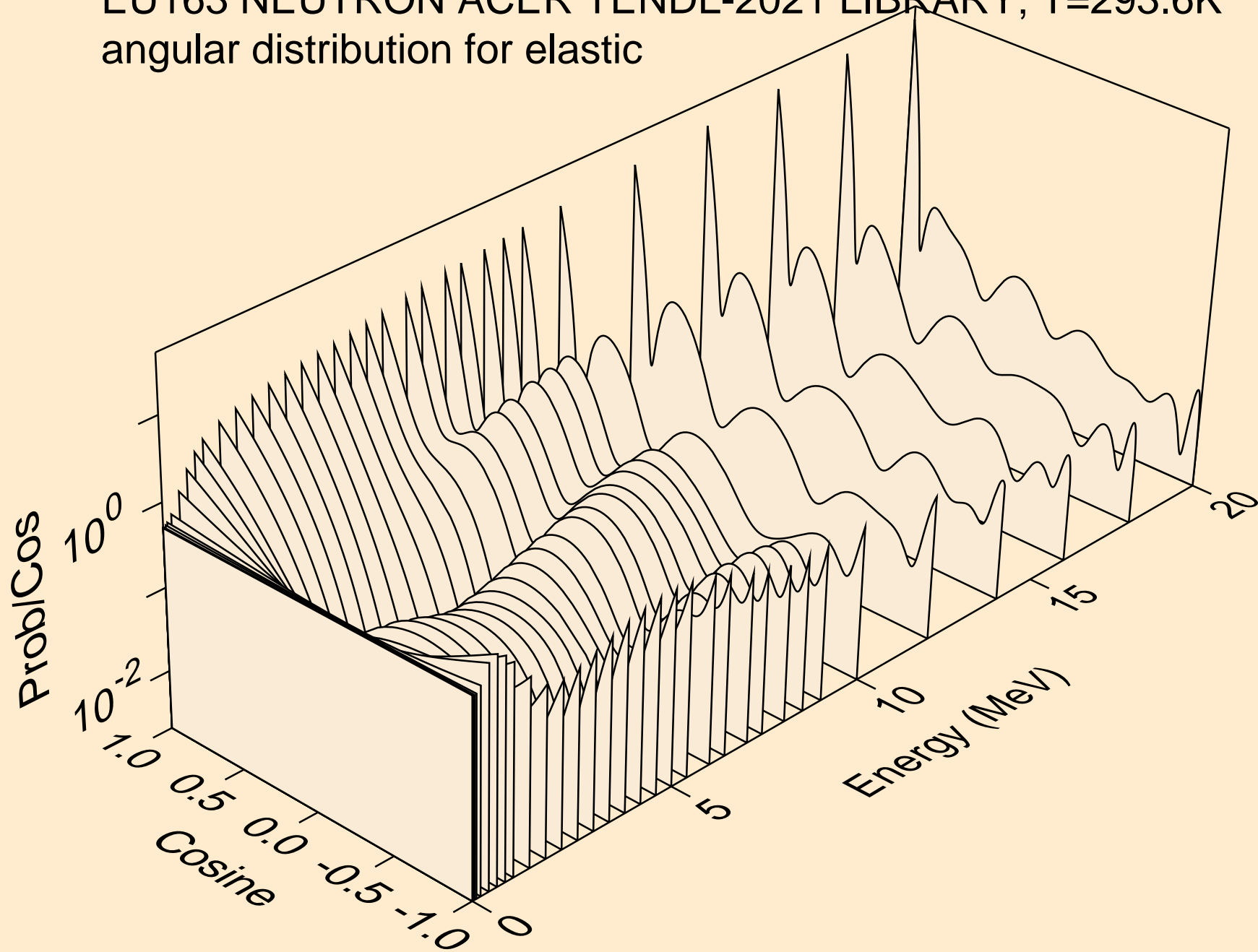


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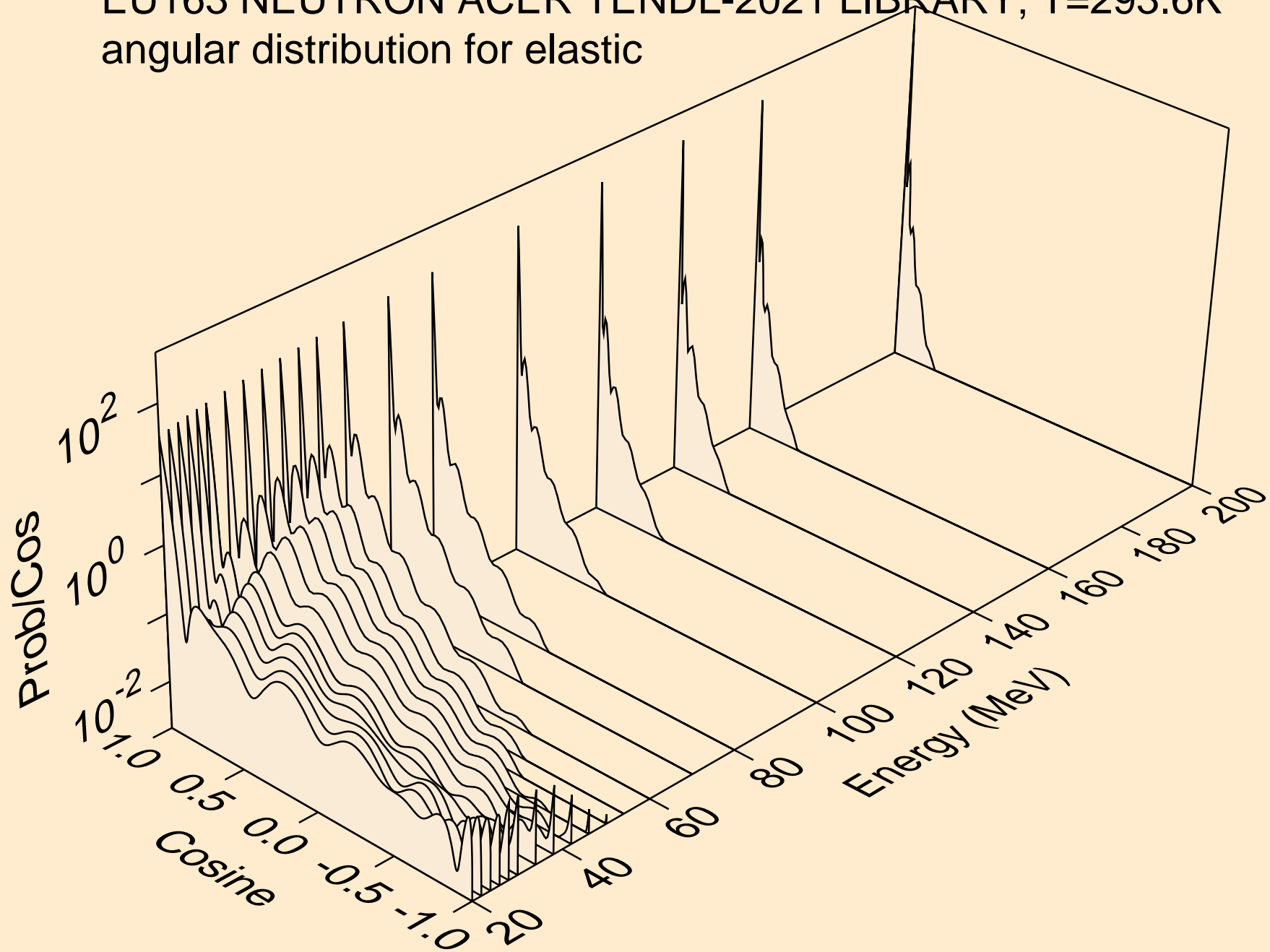
## Threshold reactions



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

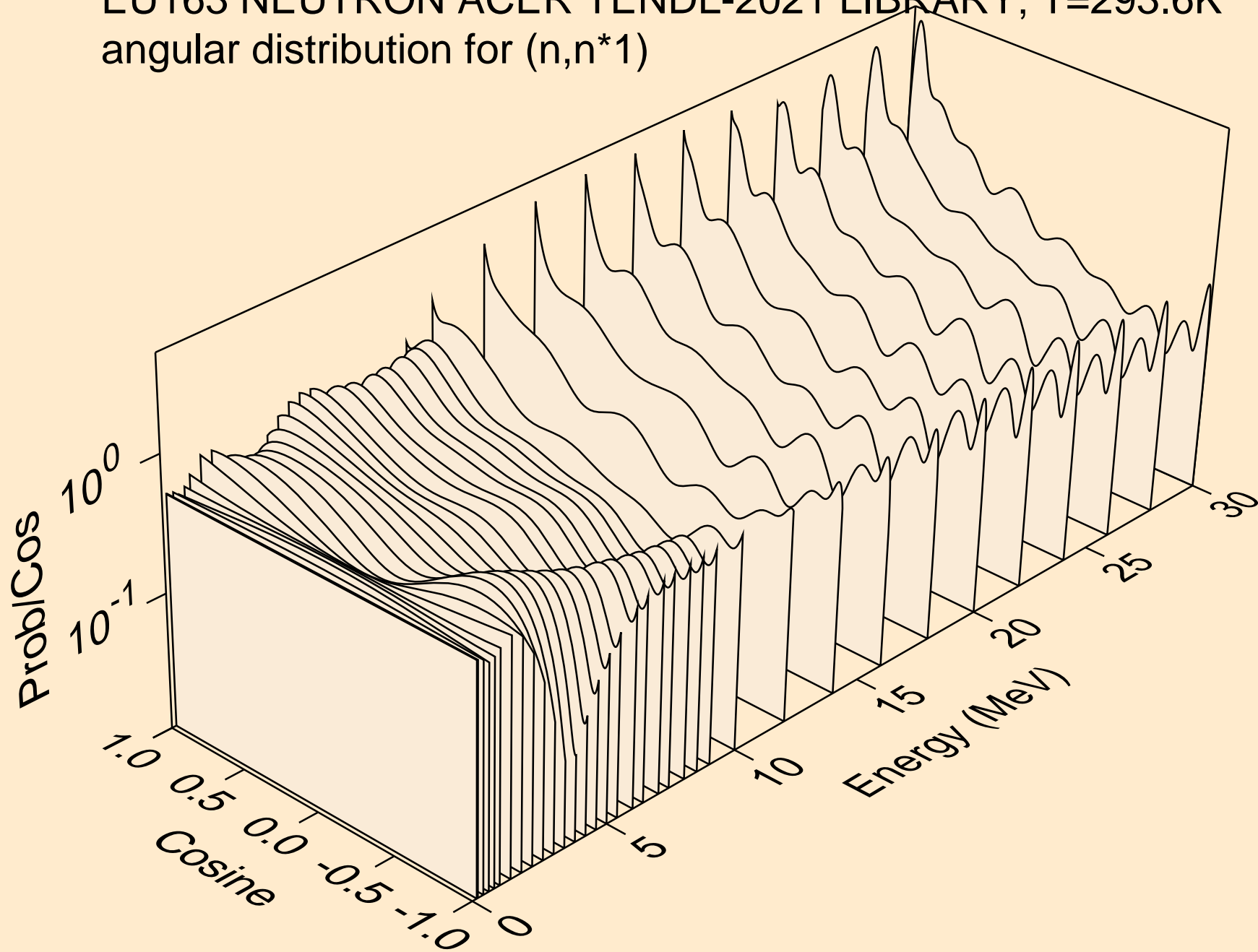


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angular distribution for elastic

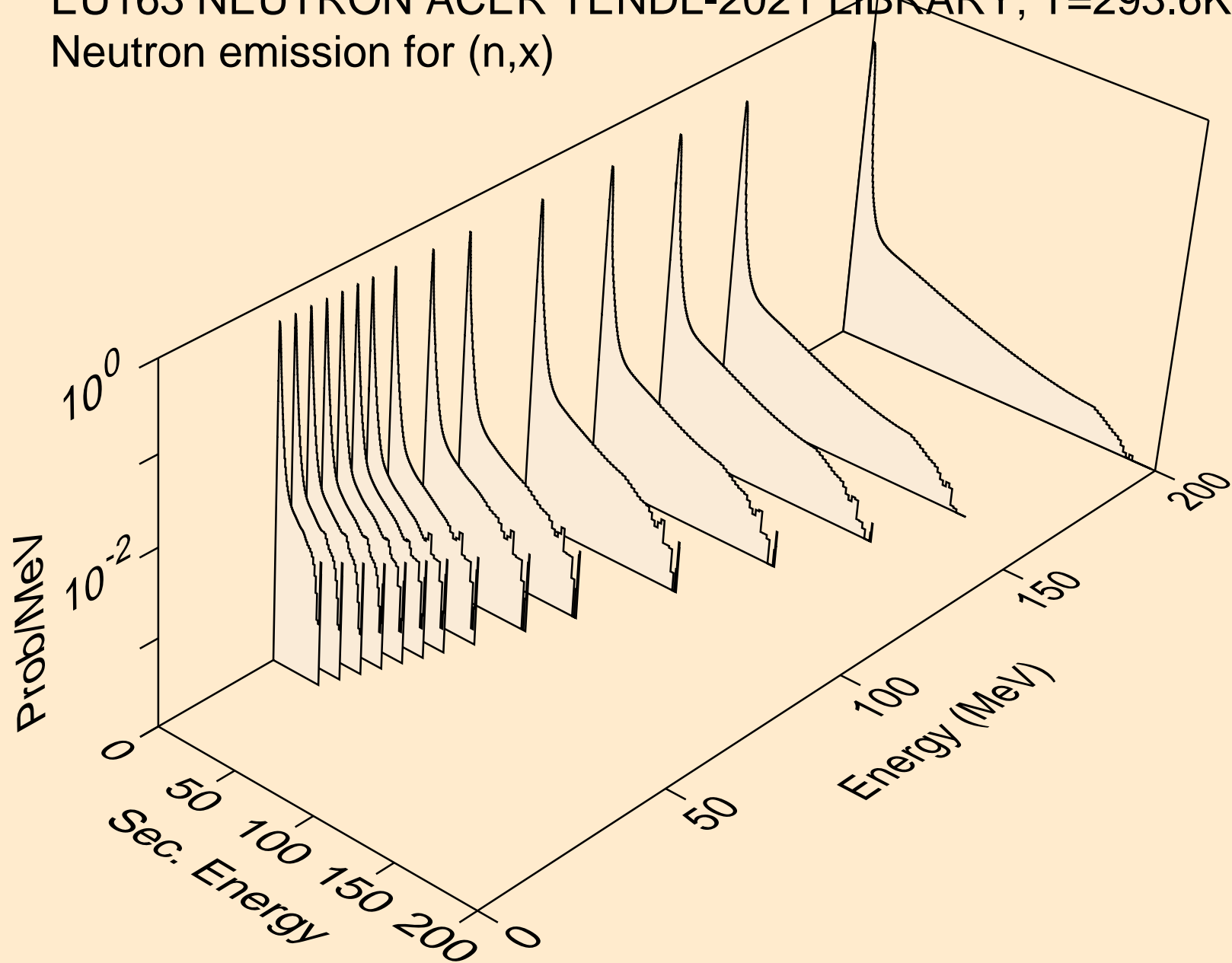




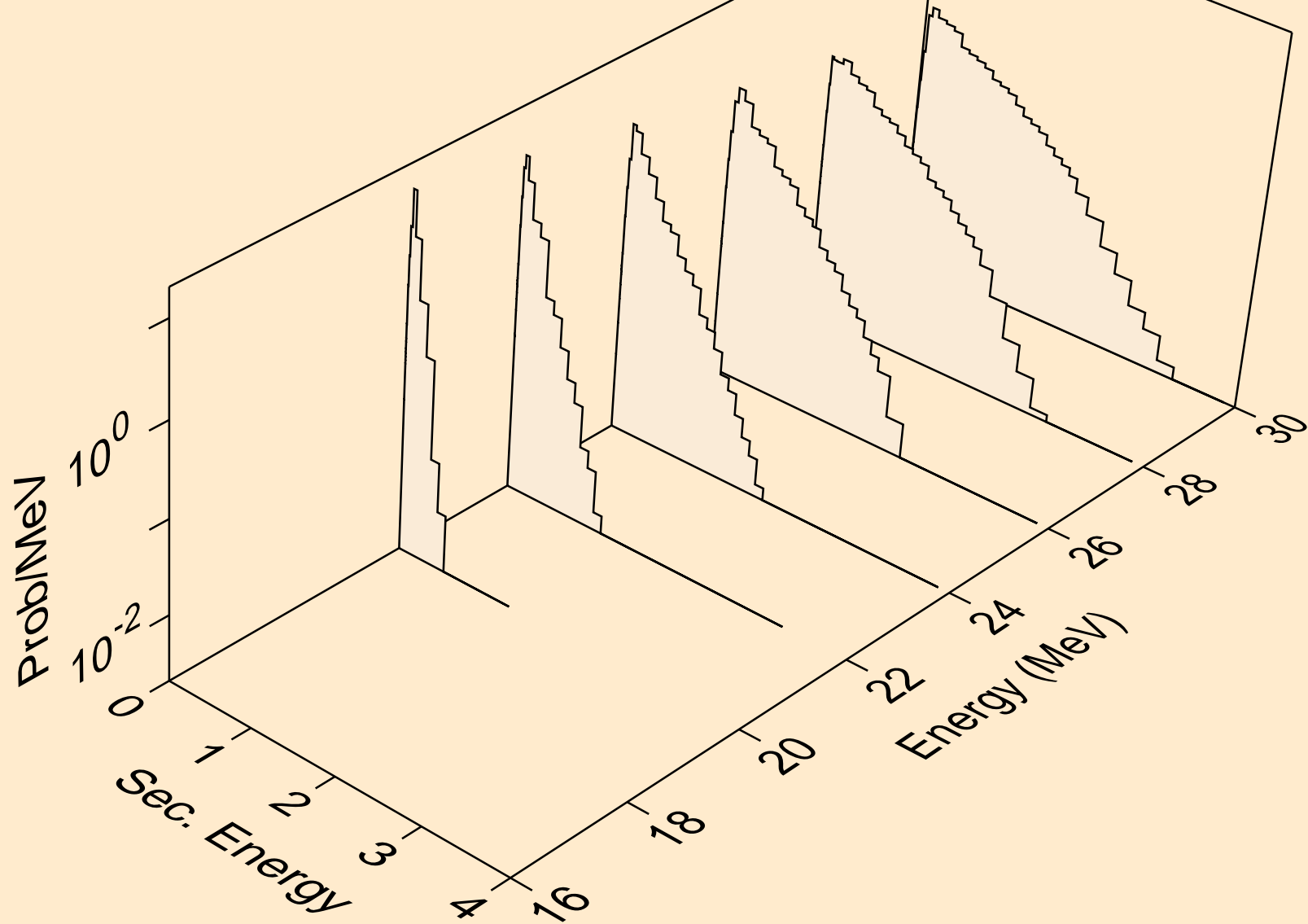
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angular distribution for (n,n\*1)



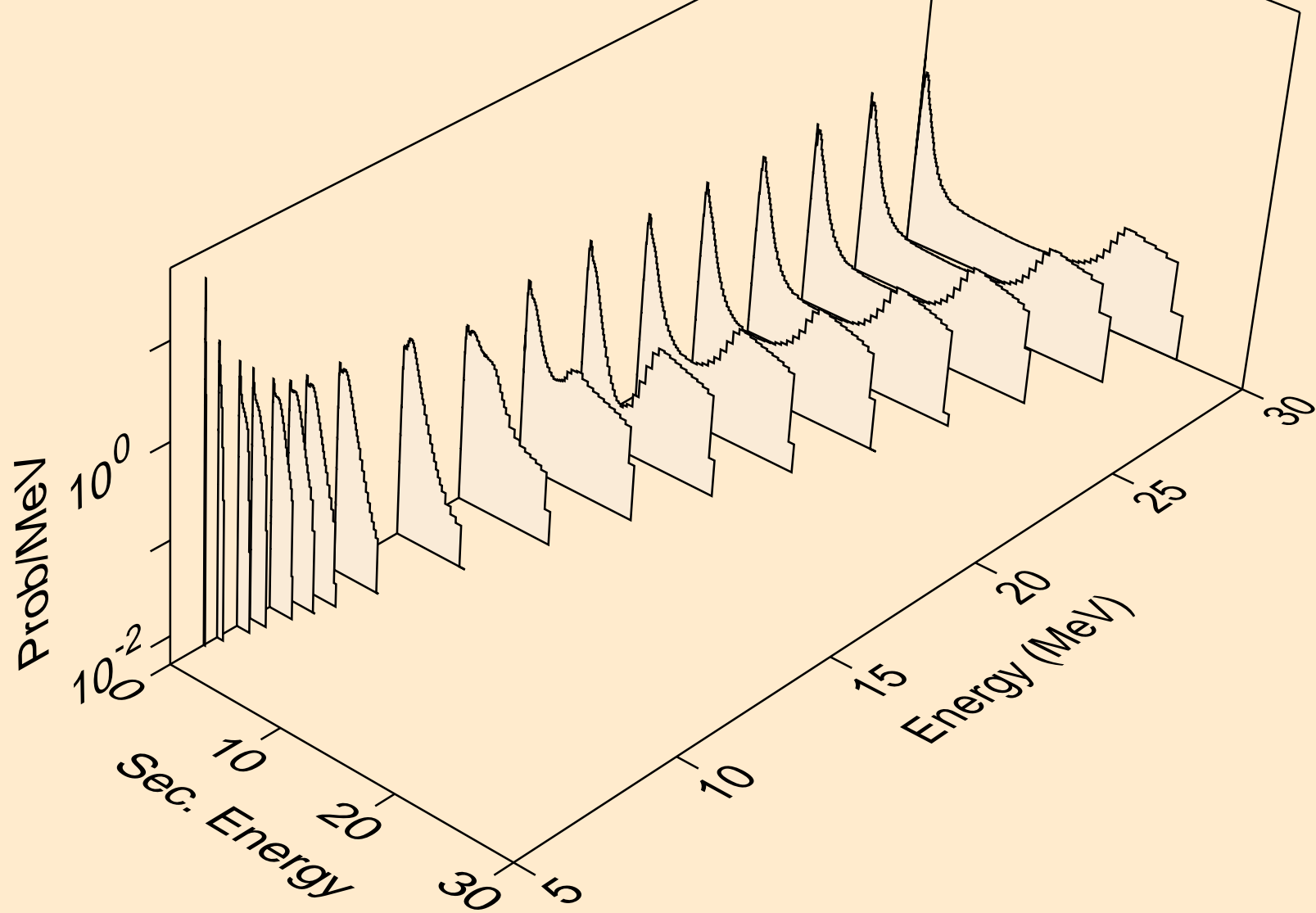
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



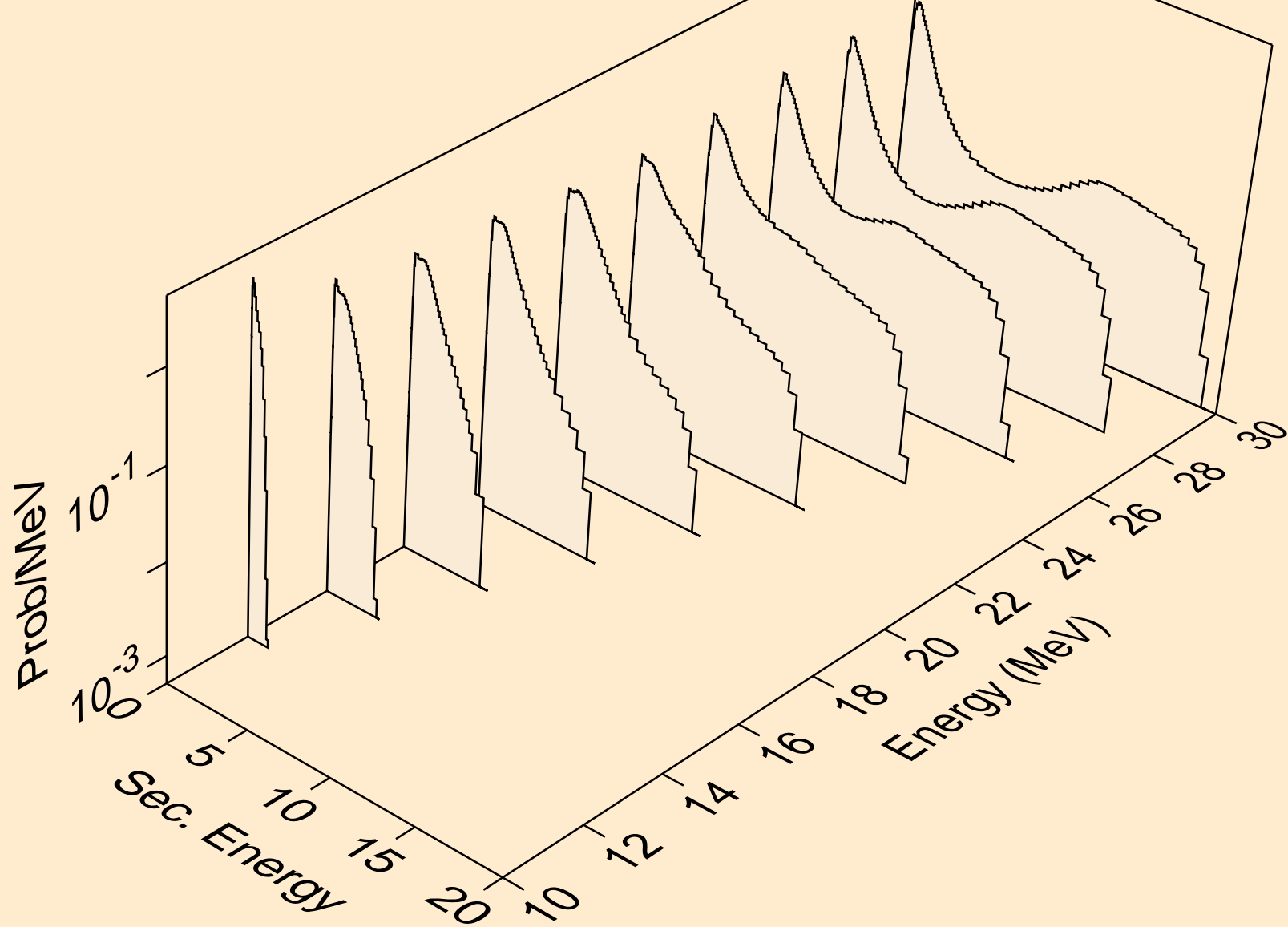
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



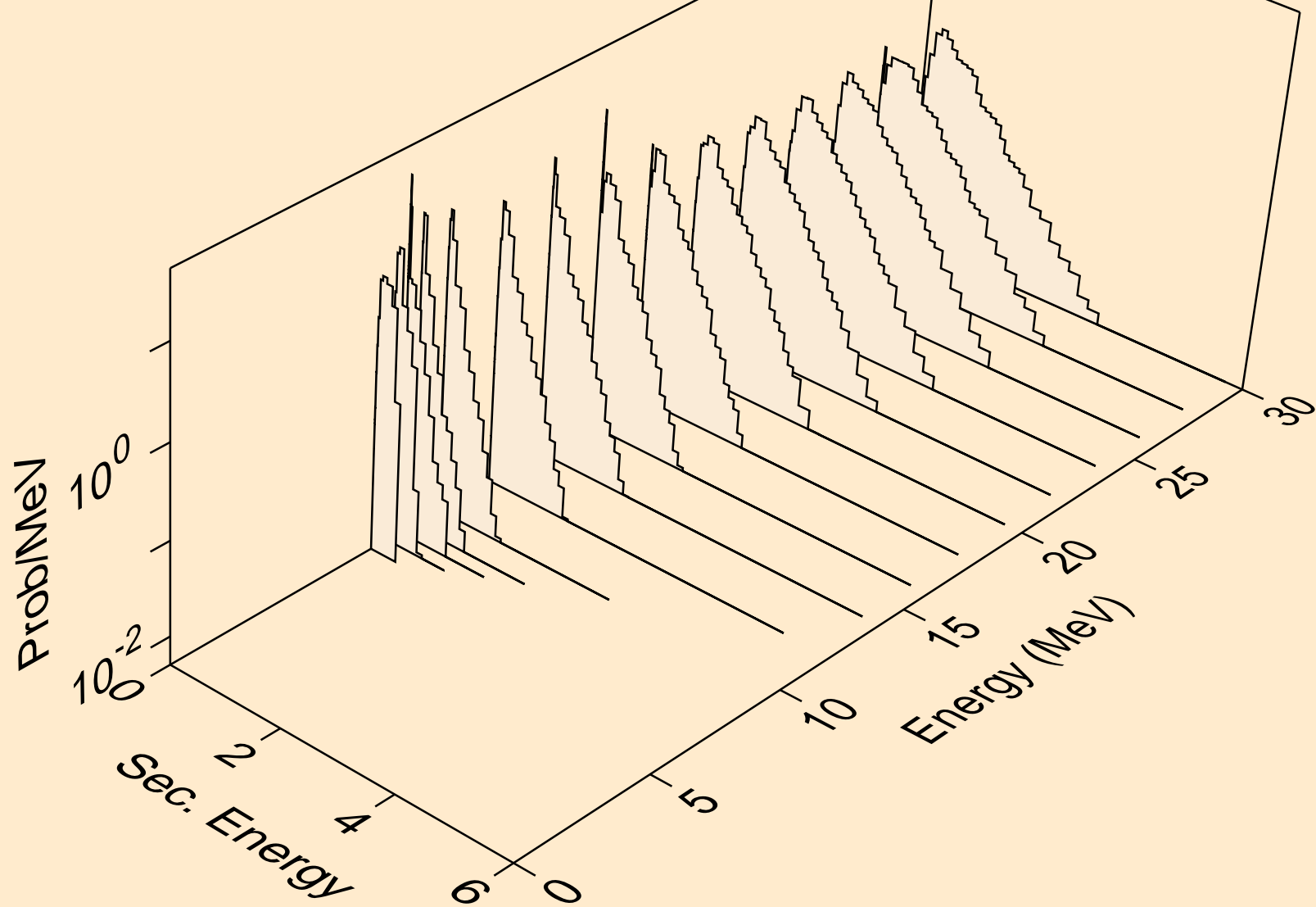
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



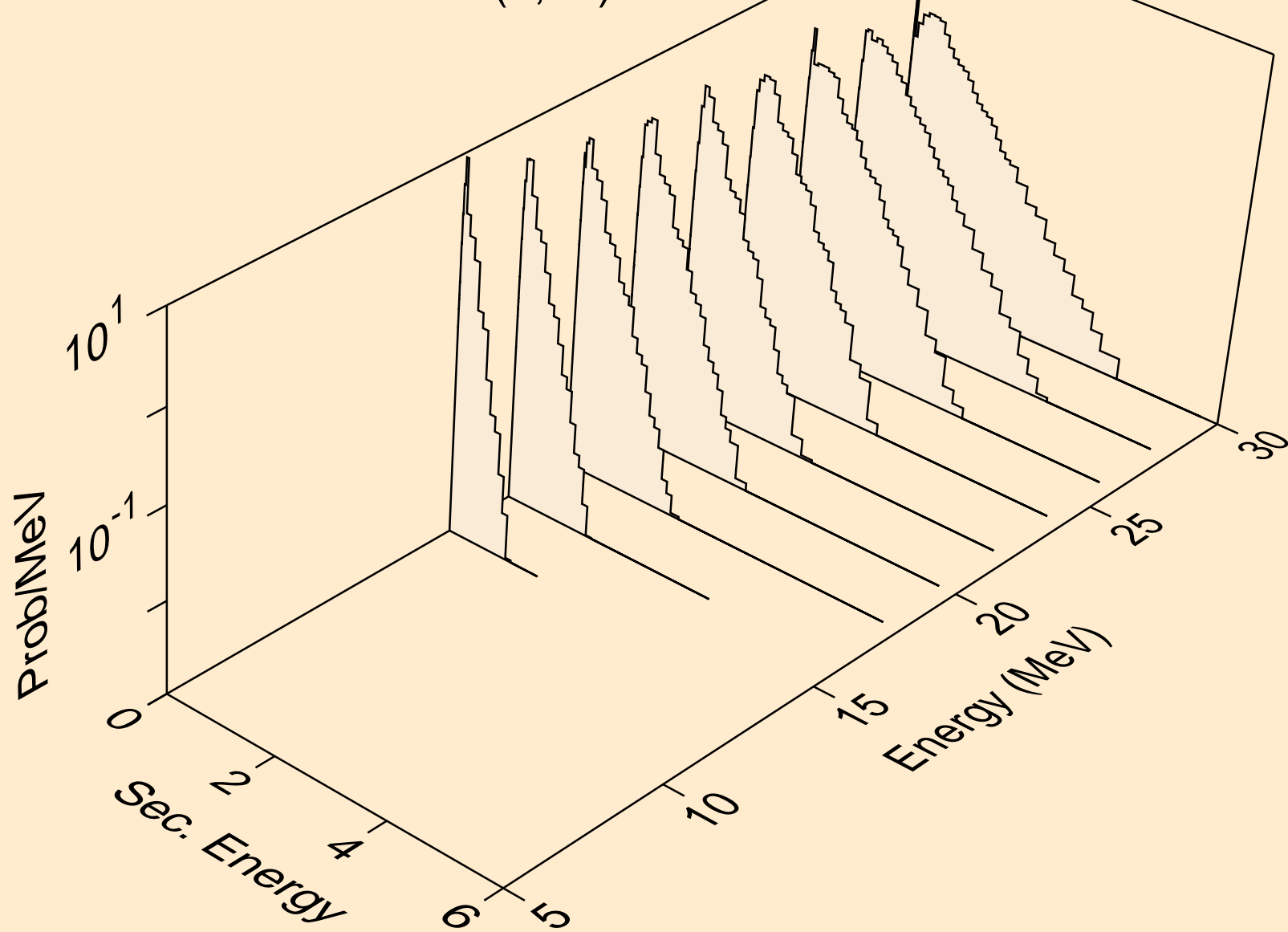
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



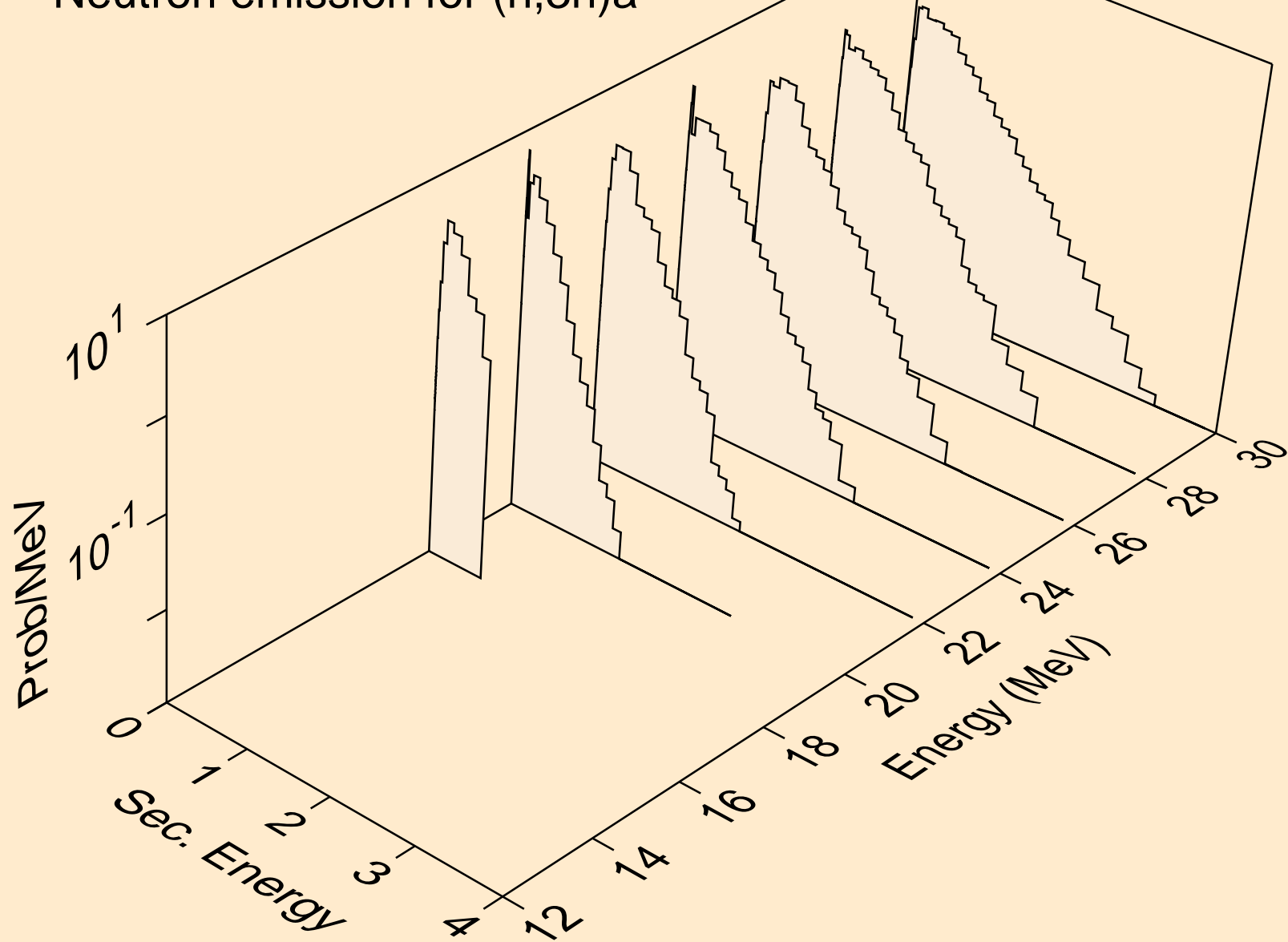
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

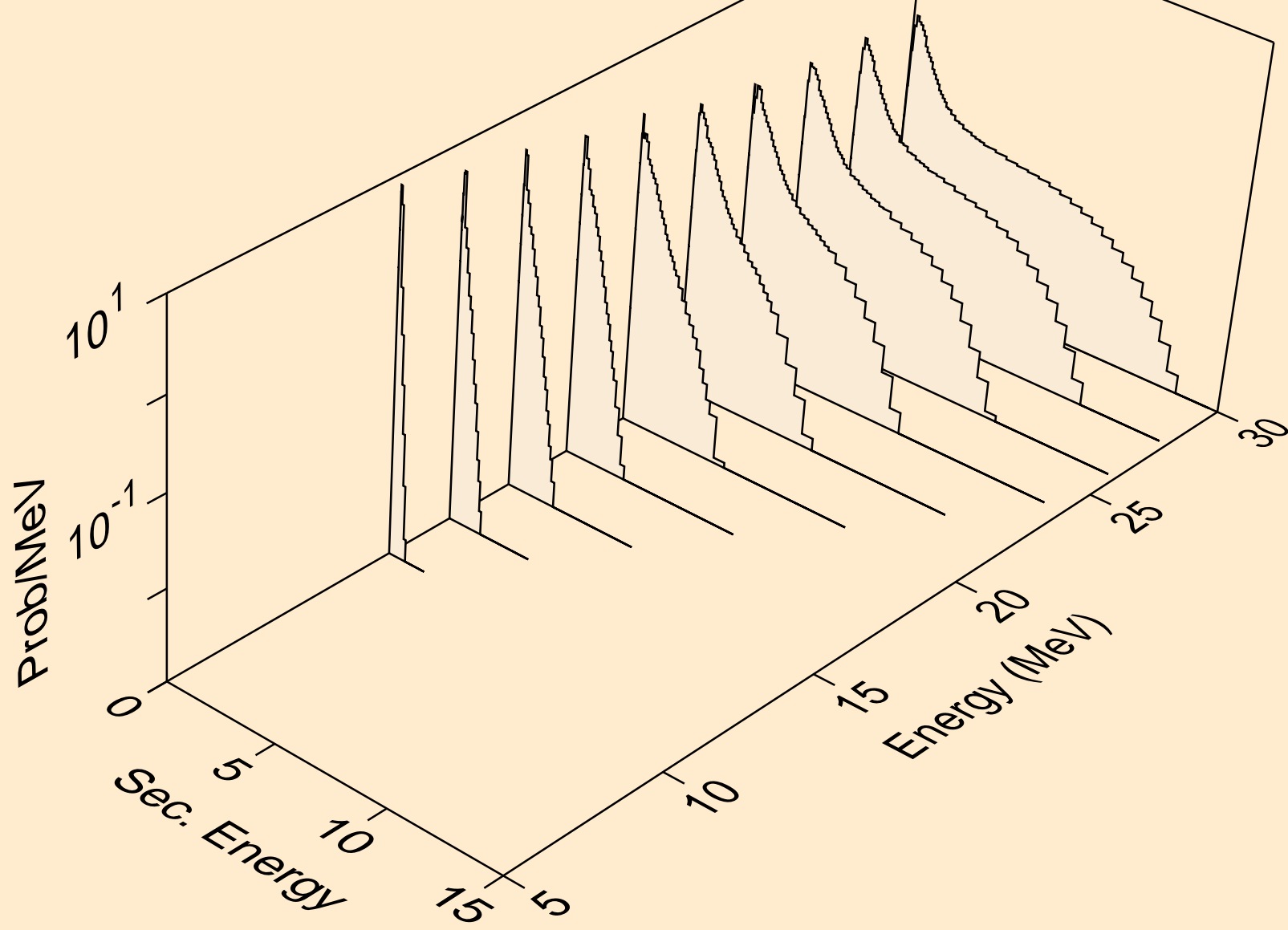


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Neutron emission for (n,3n)a

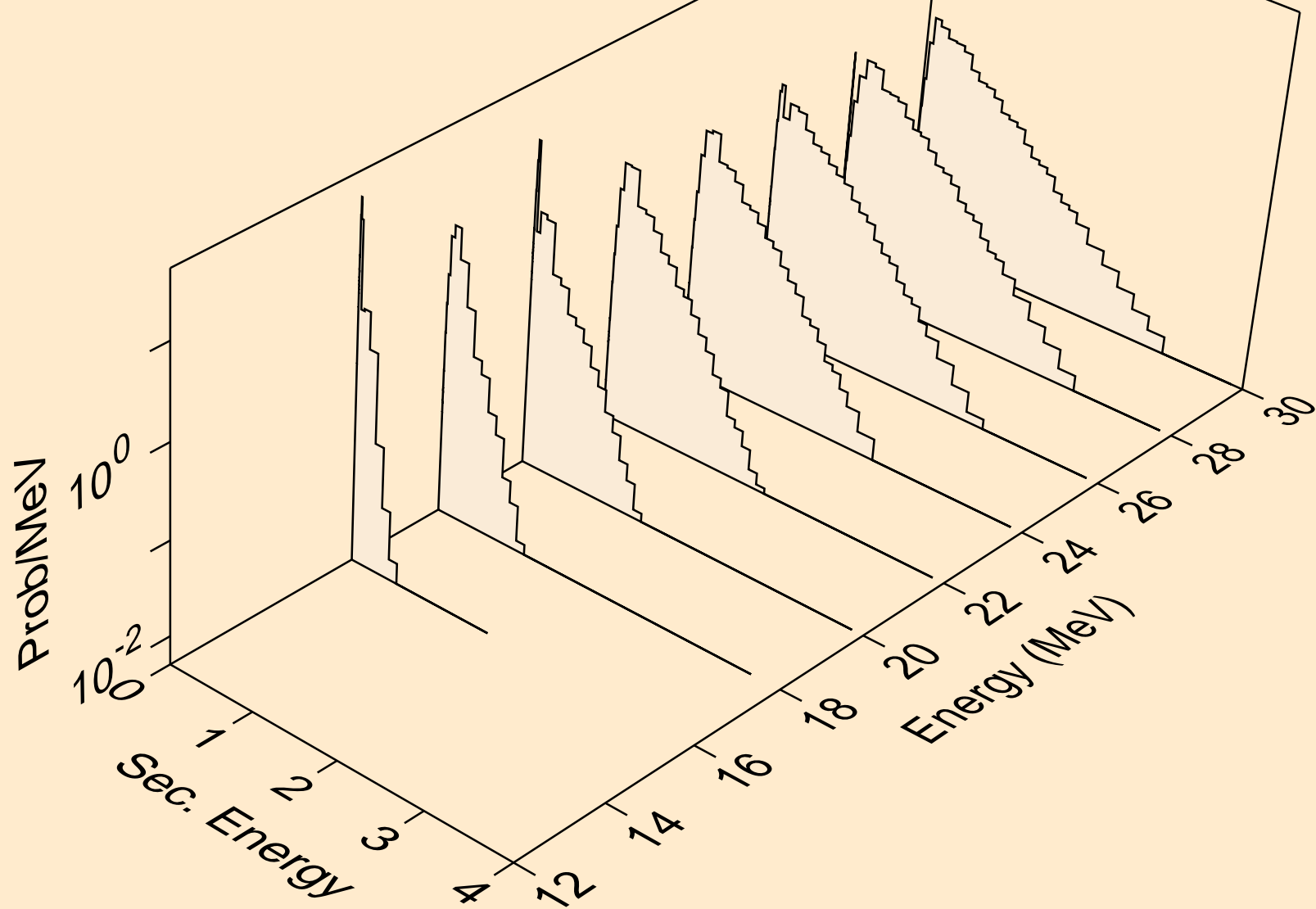




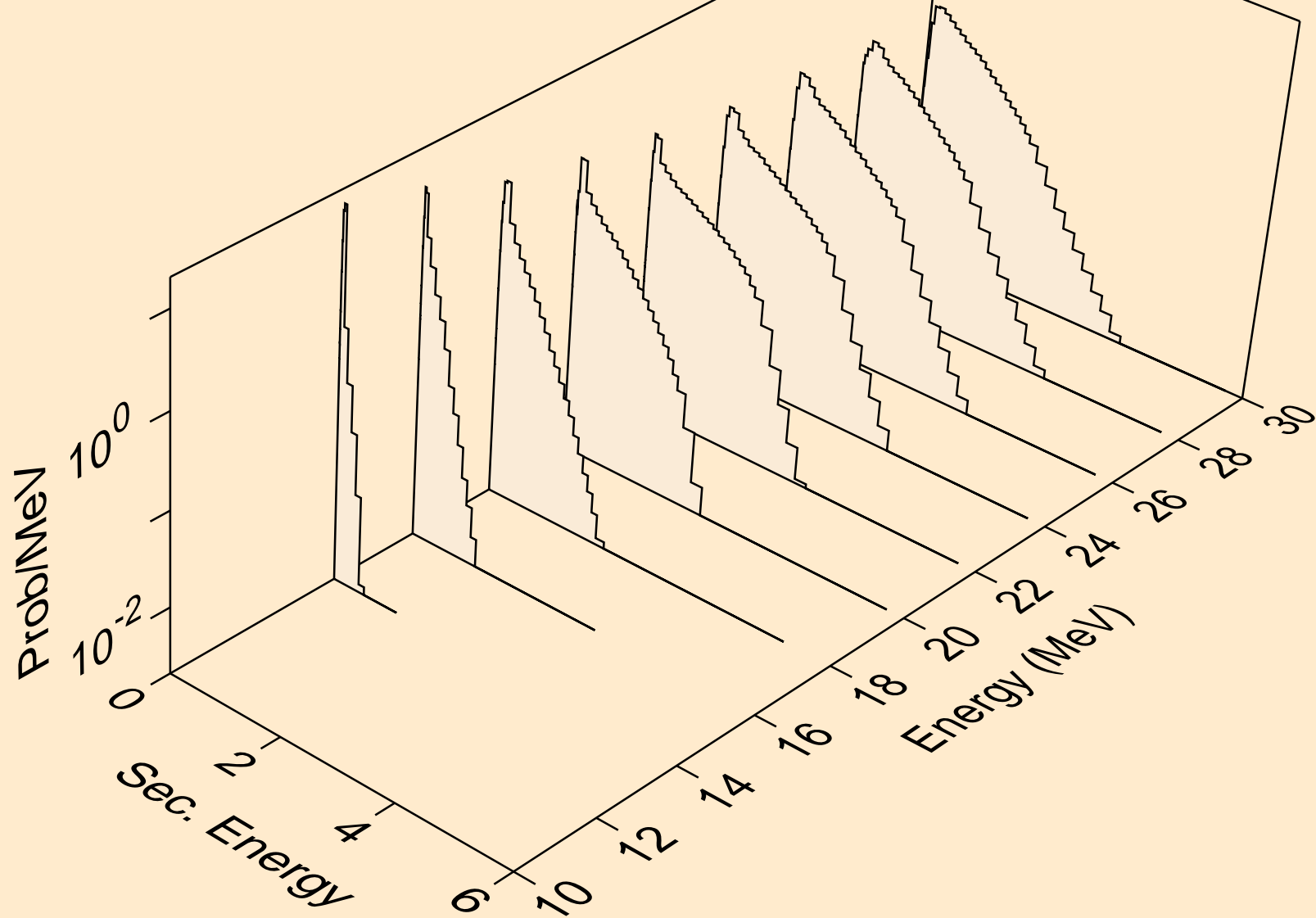
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Neutron emission for (n,n\*)p



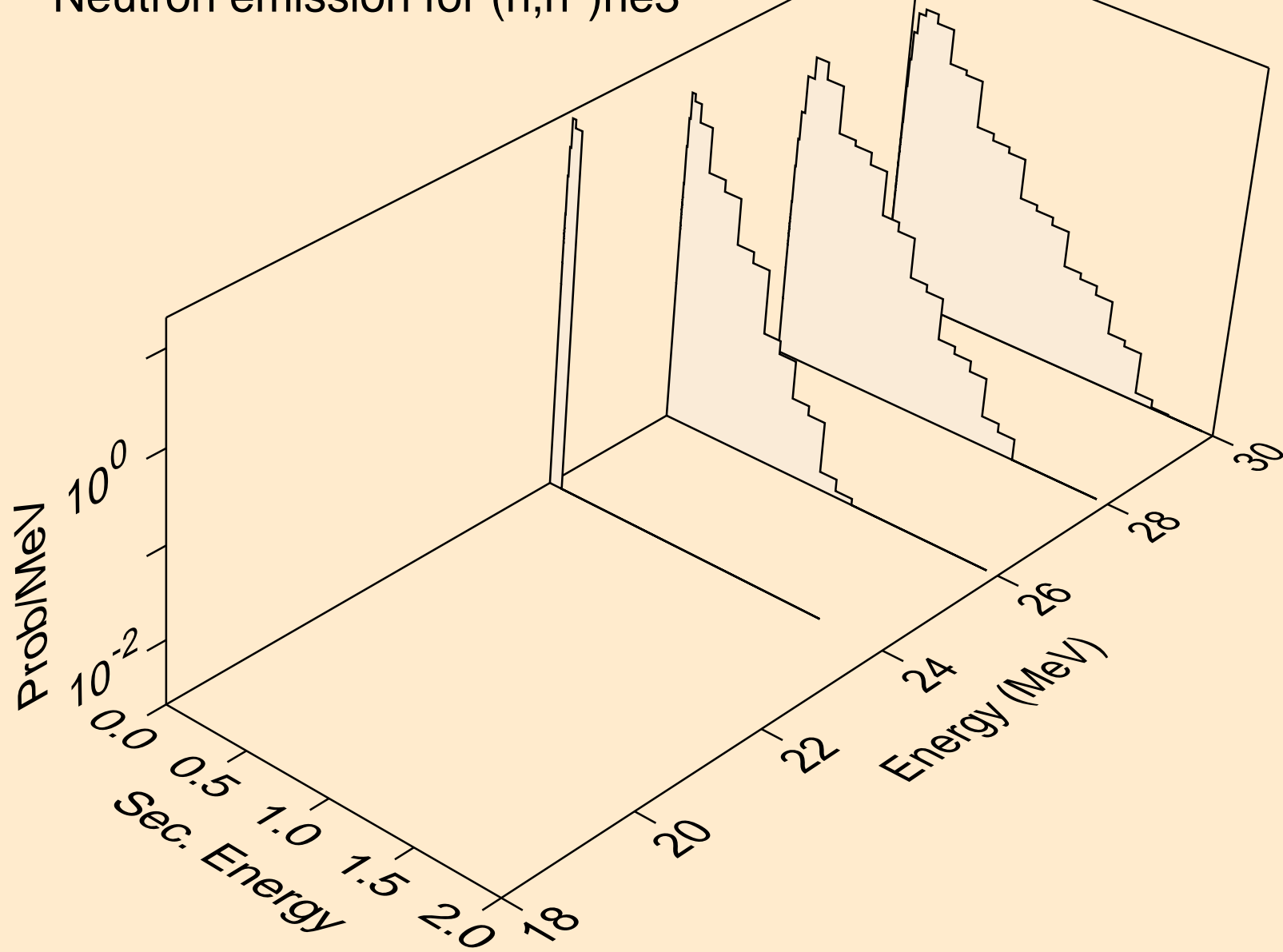
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Neutron emission for (n,n\*)d



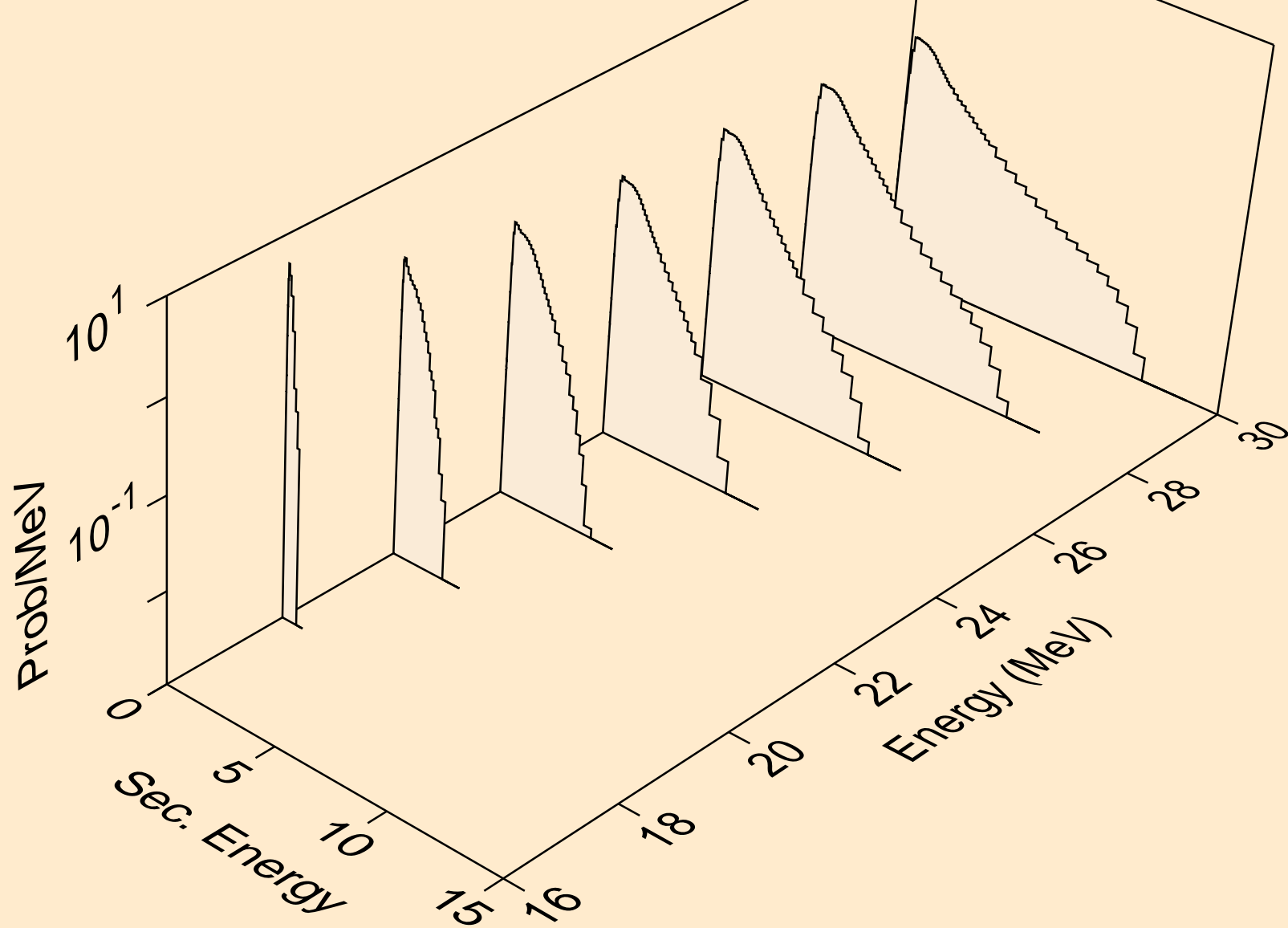
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Neutron emission for (n,n\*)t



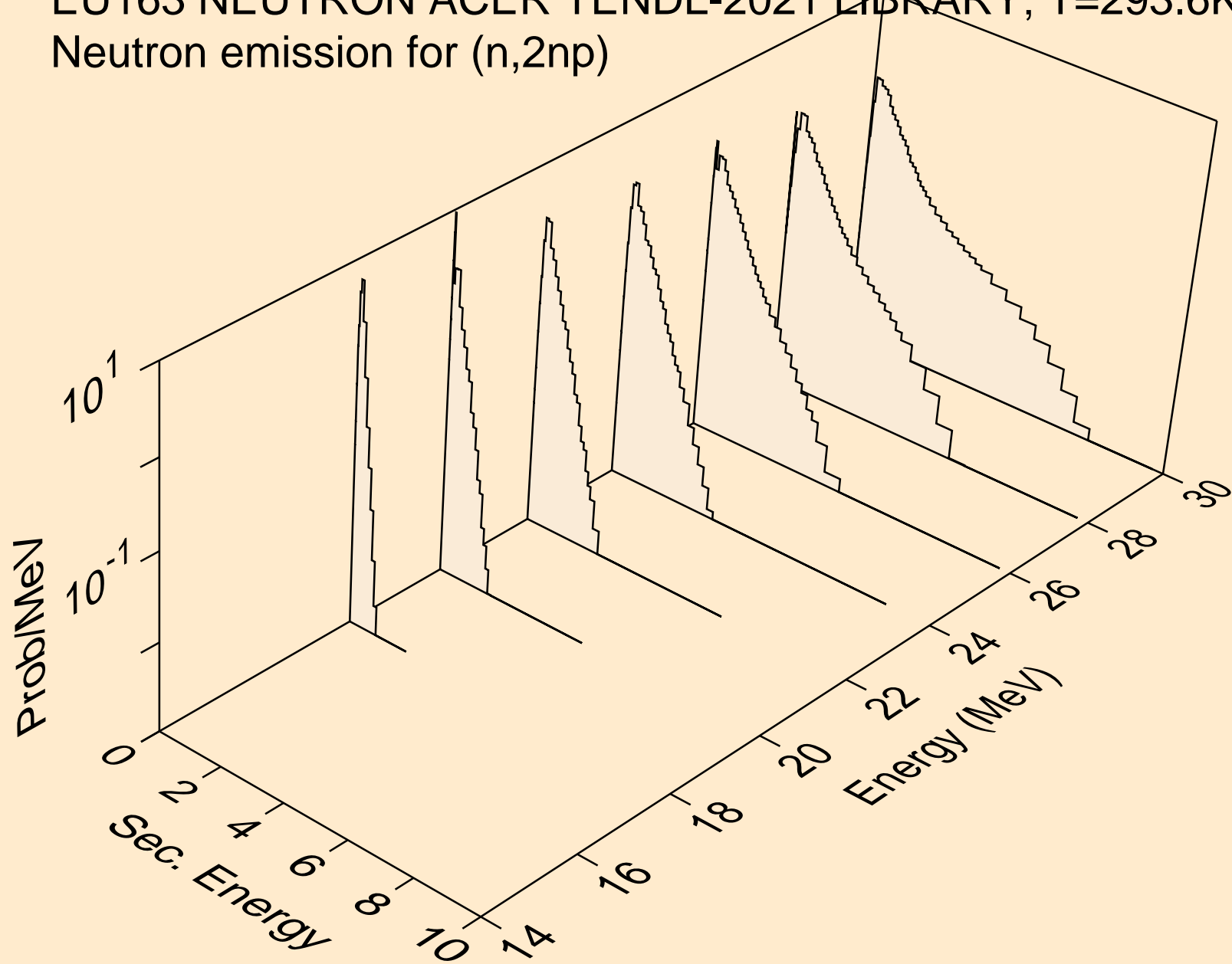
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Neutron emission for (n,n\*)he3



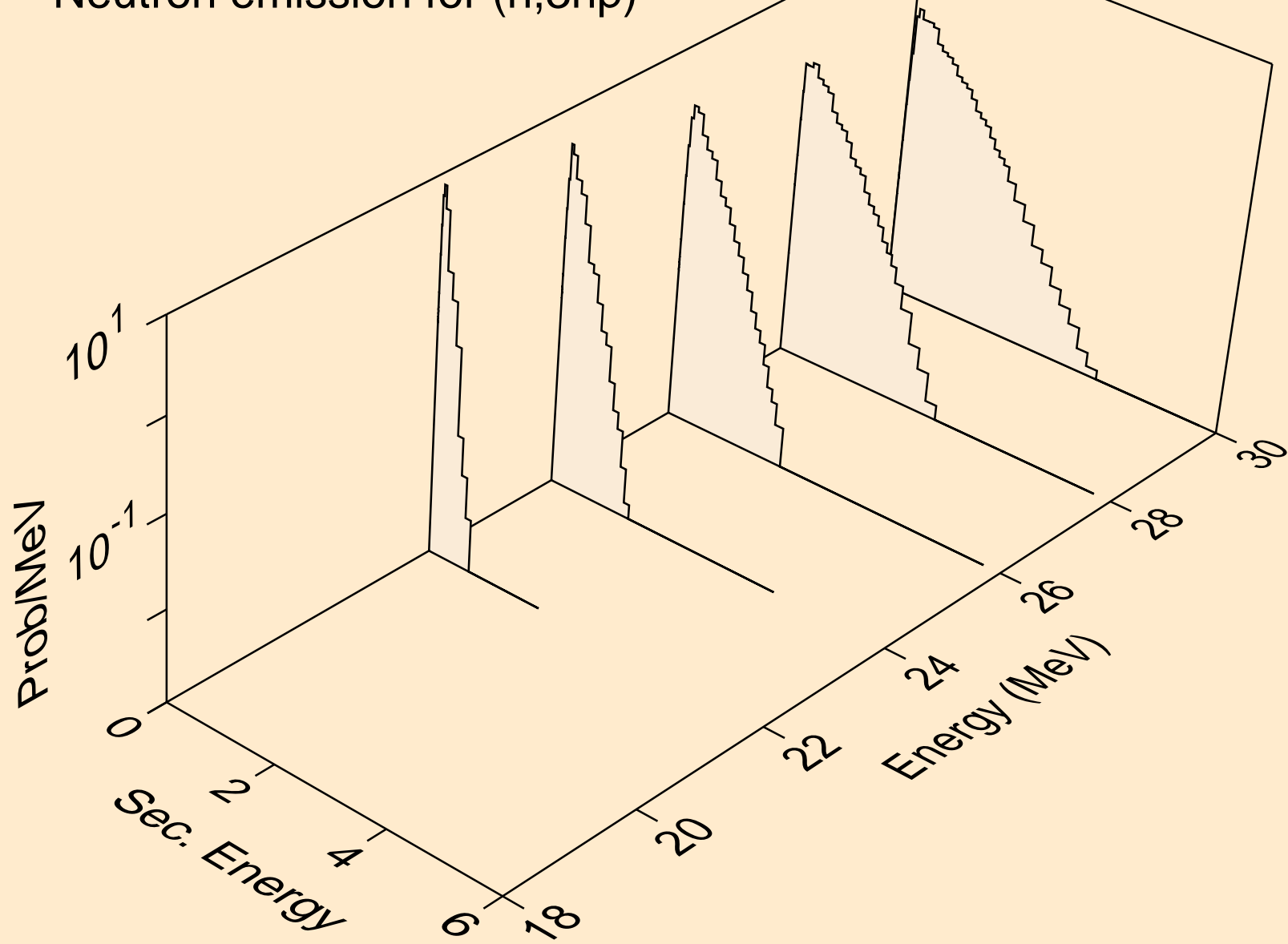
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Neutron emission for (n,4n)



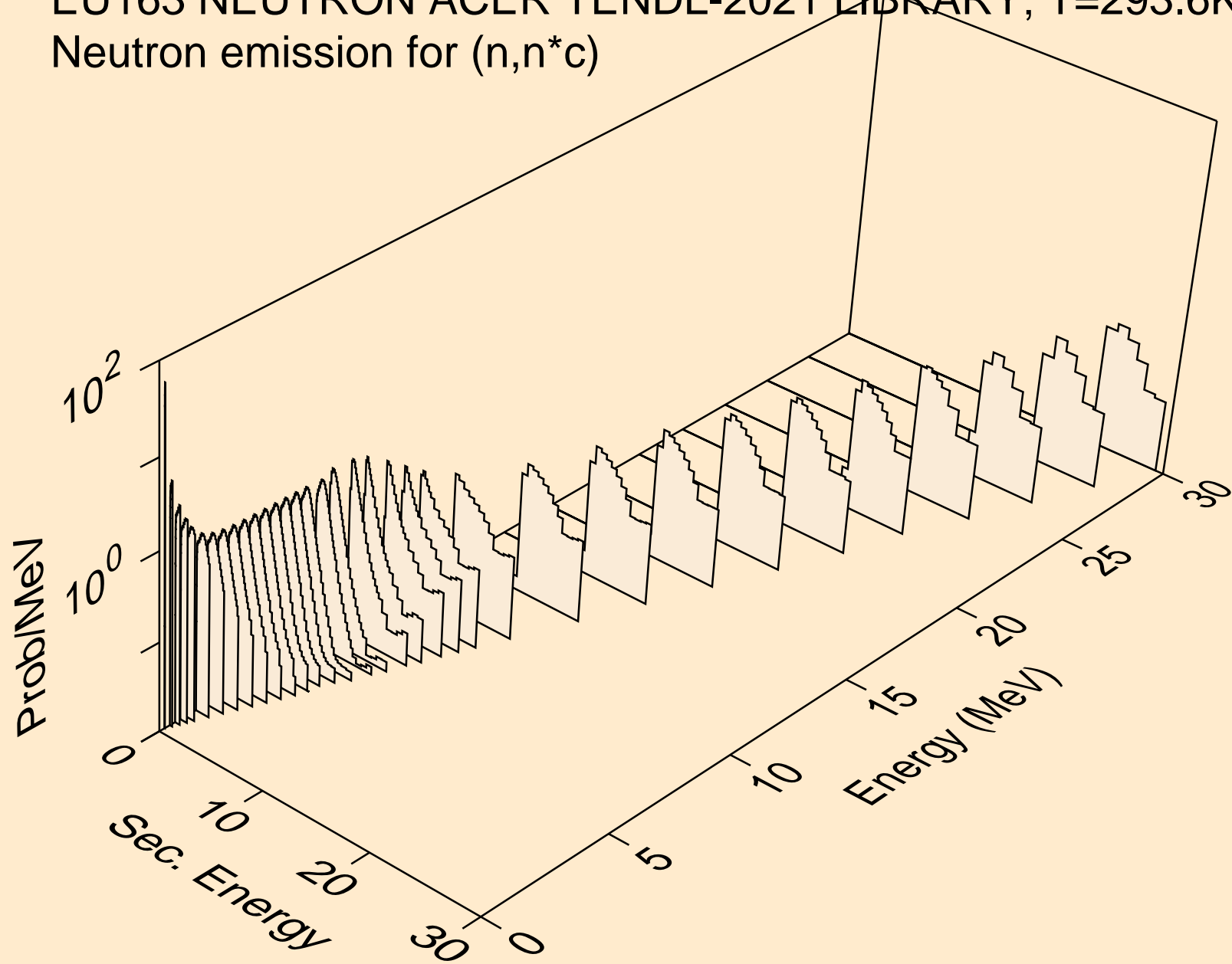
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

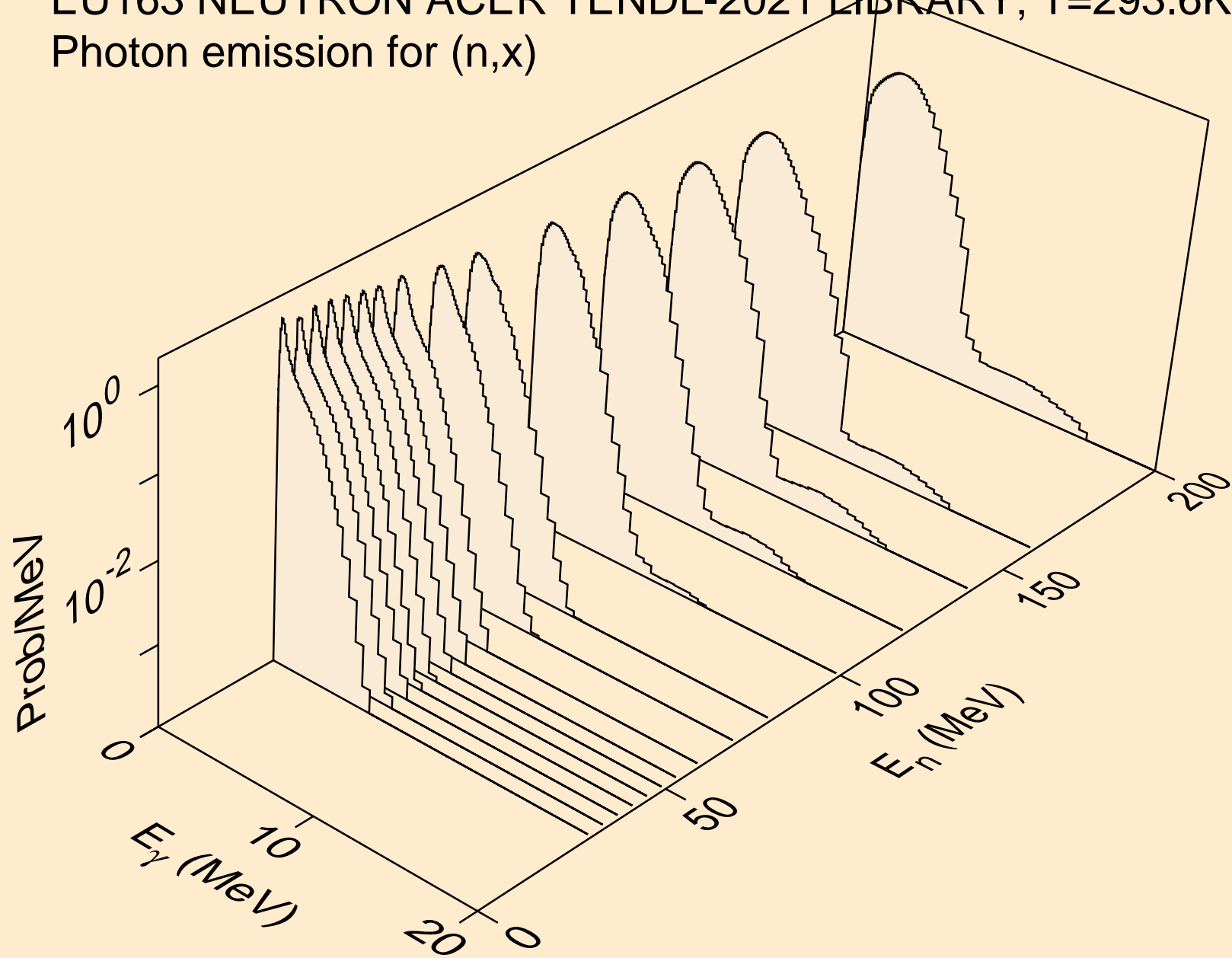


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Neutron emission for (n,n\*c)

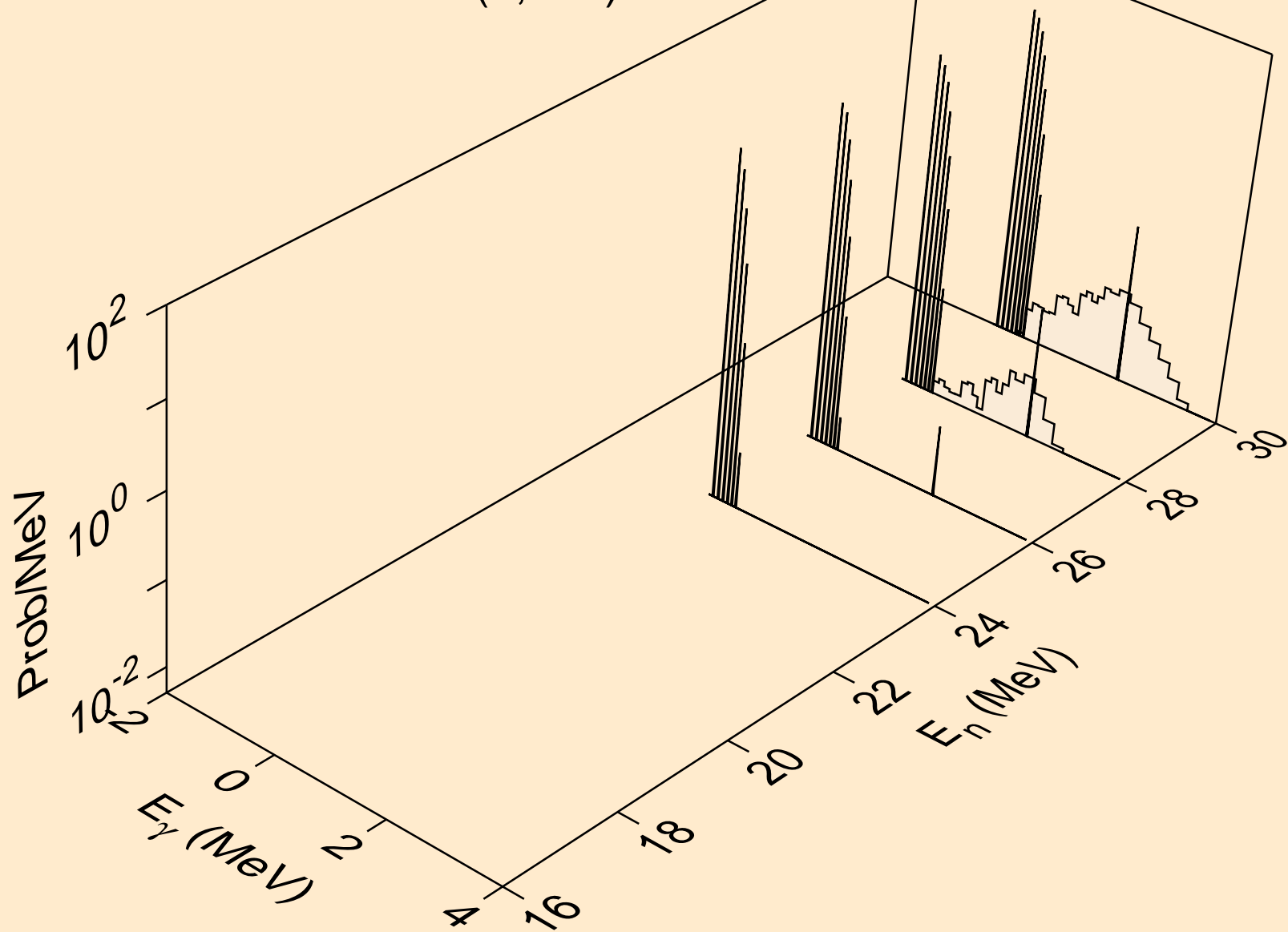




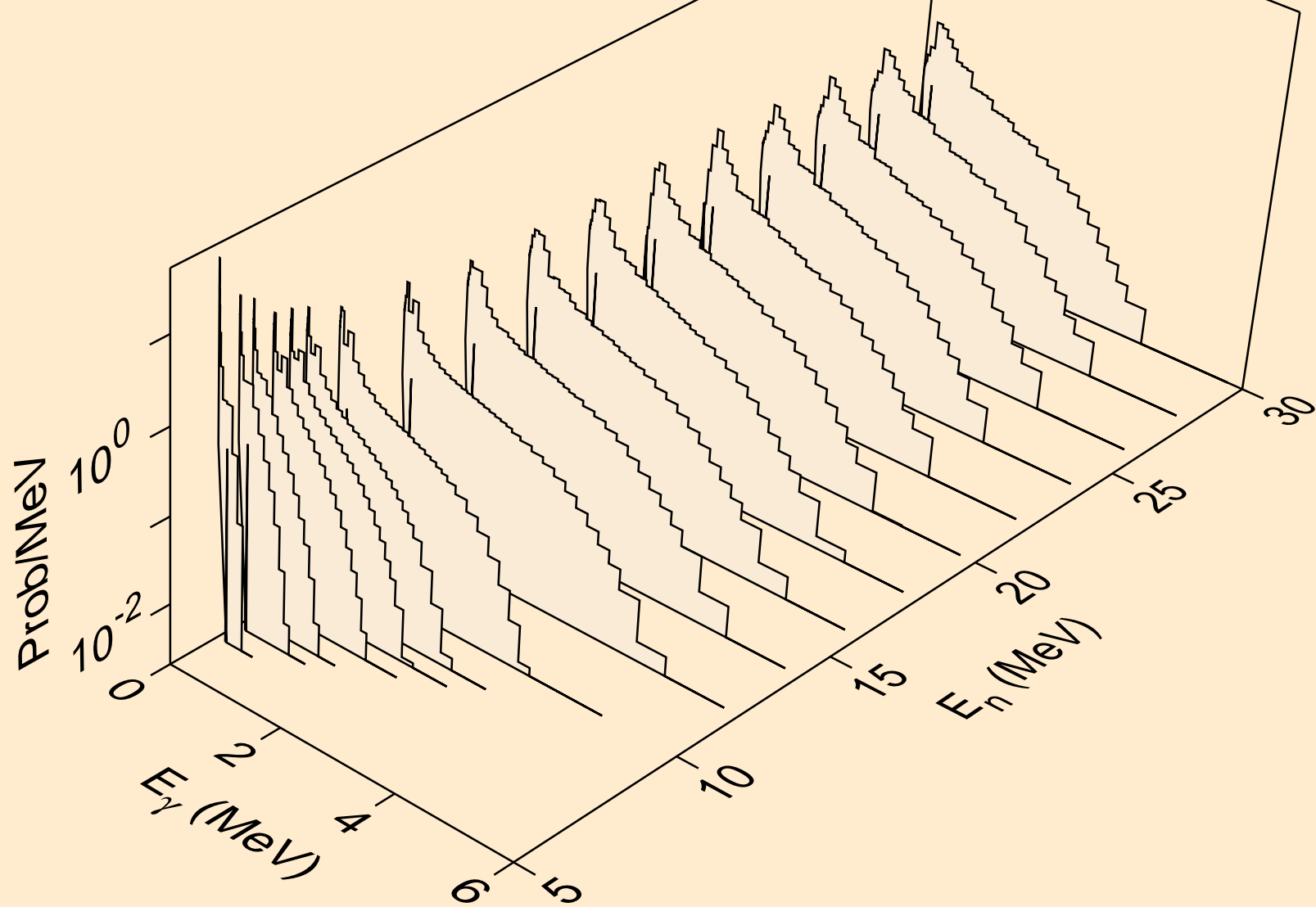
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Photon emission for (n,x)



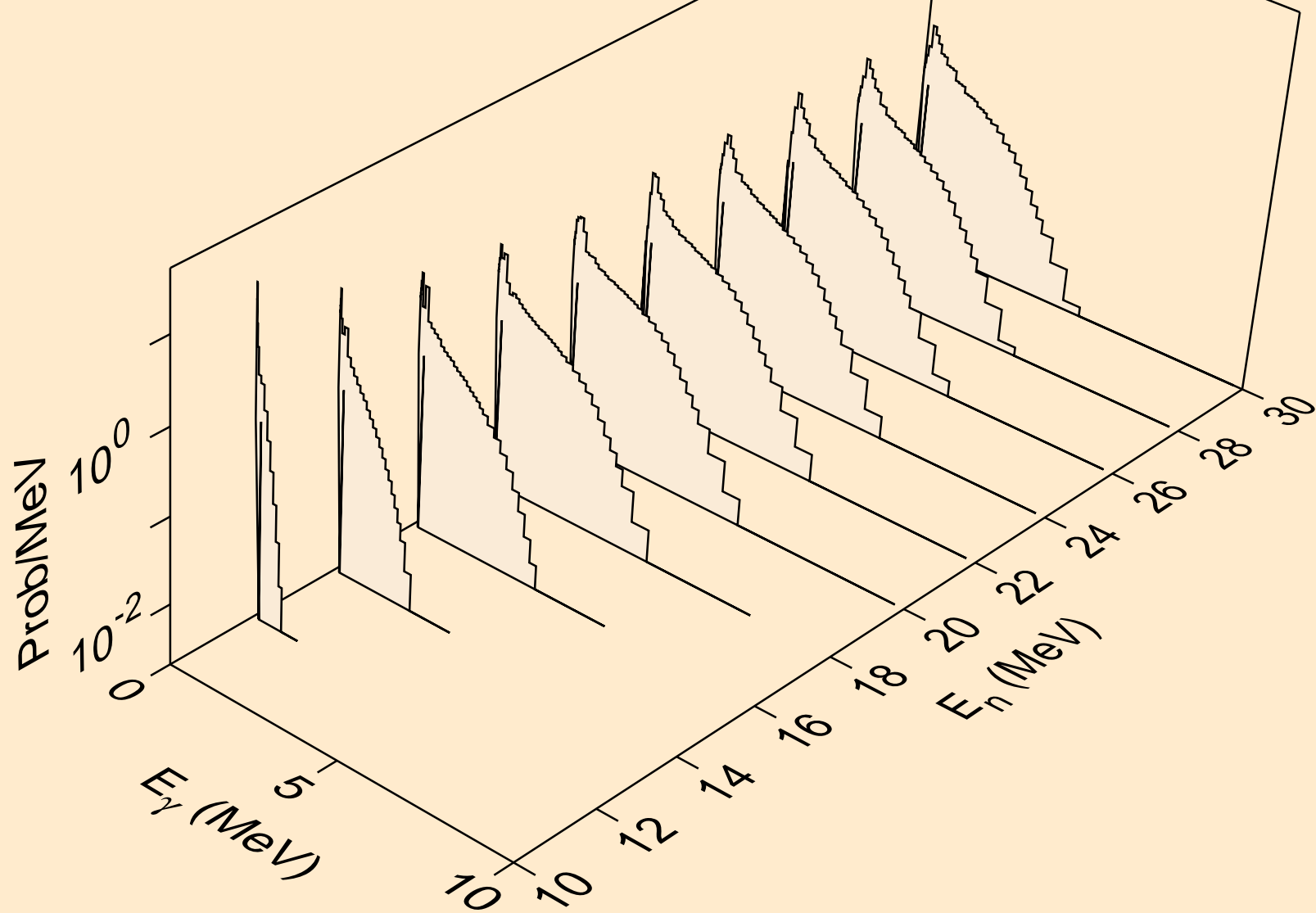
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Photon emission for (n,2nd)



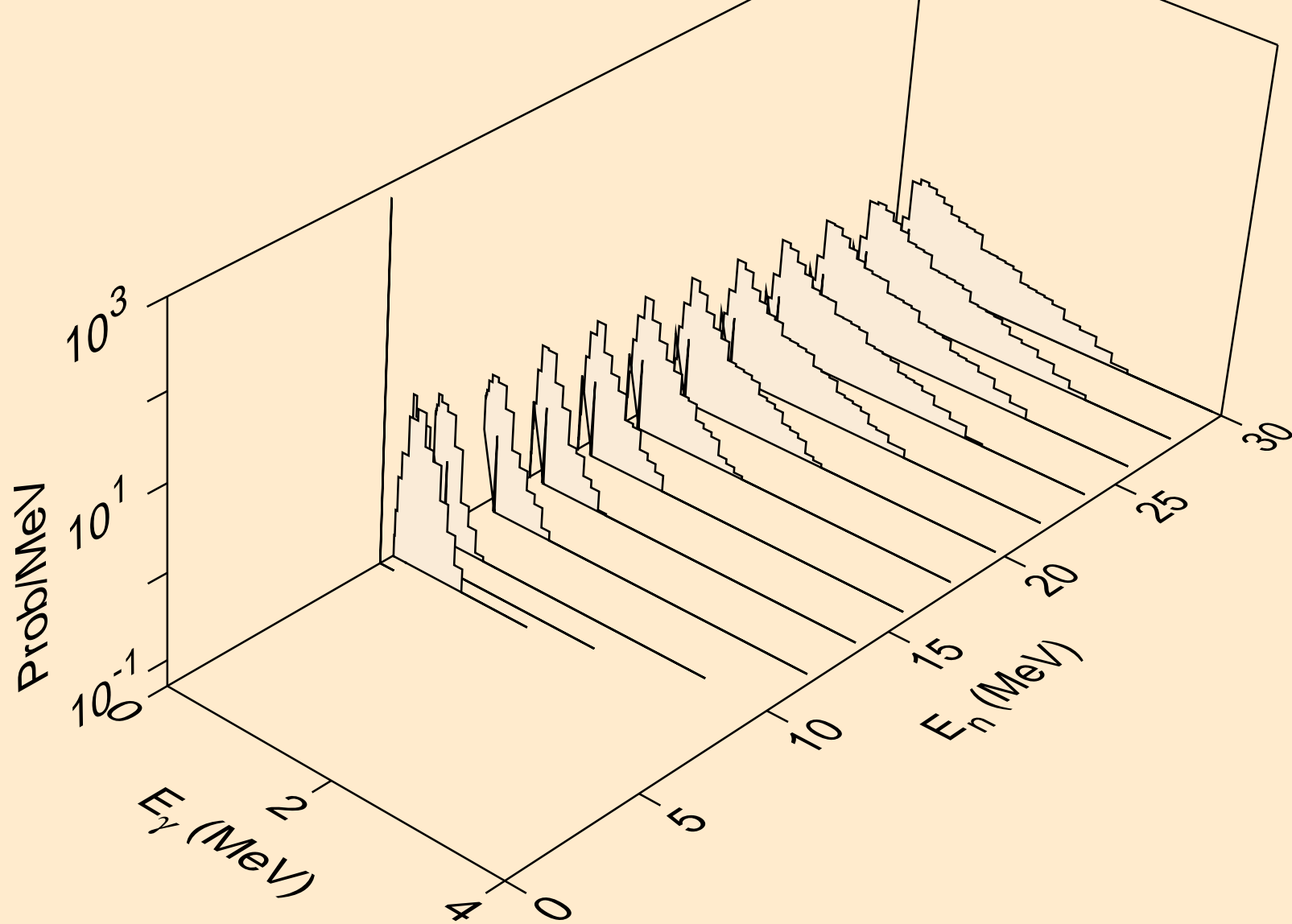
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Photon emission for (n,2n)



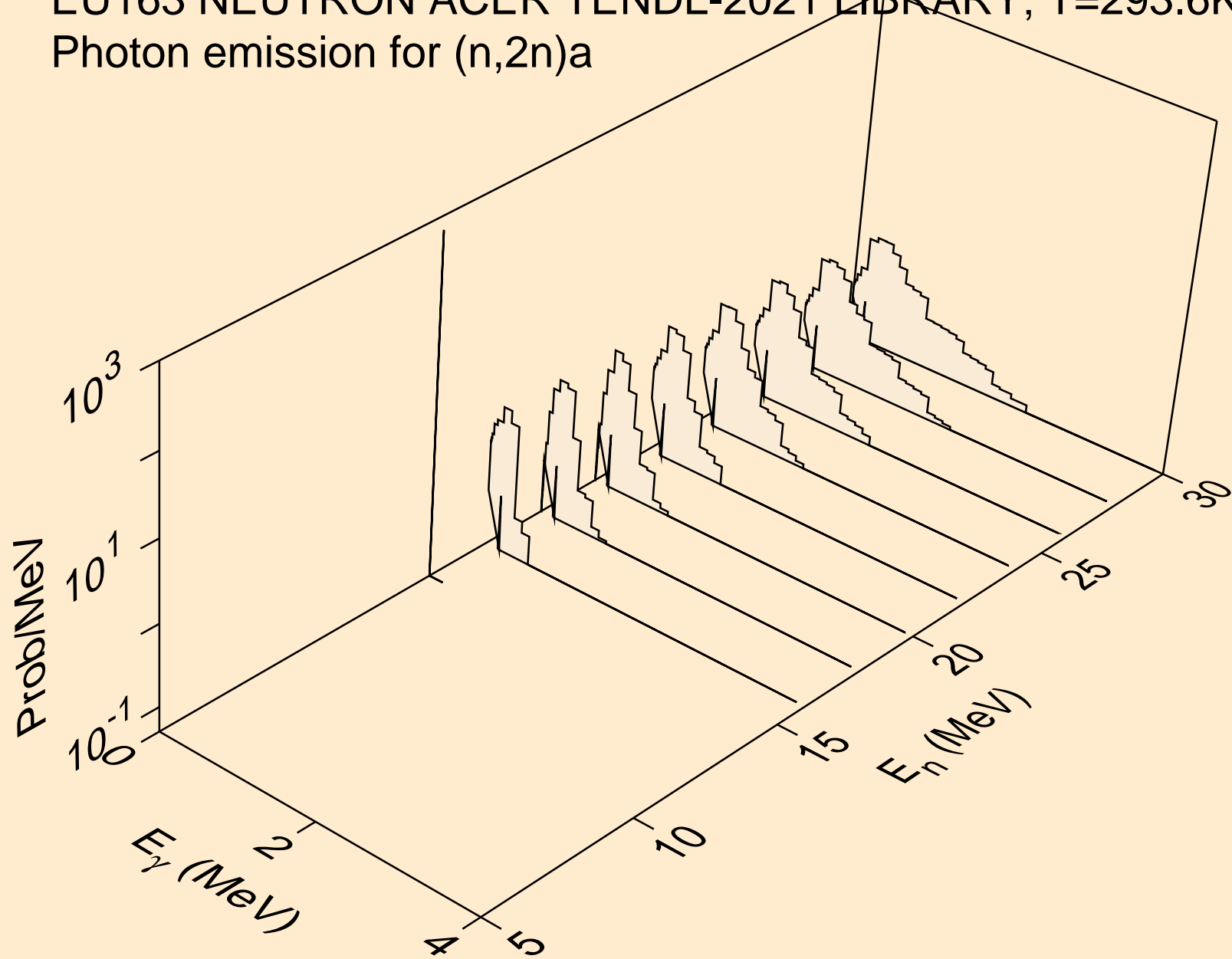
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Photon emission for (n,3n)



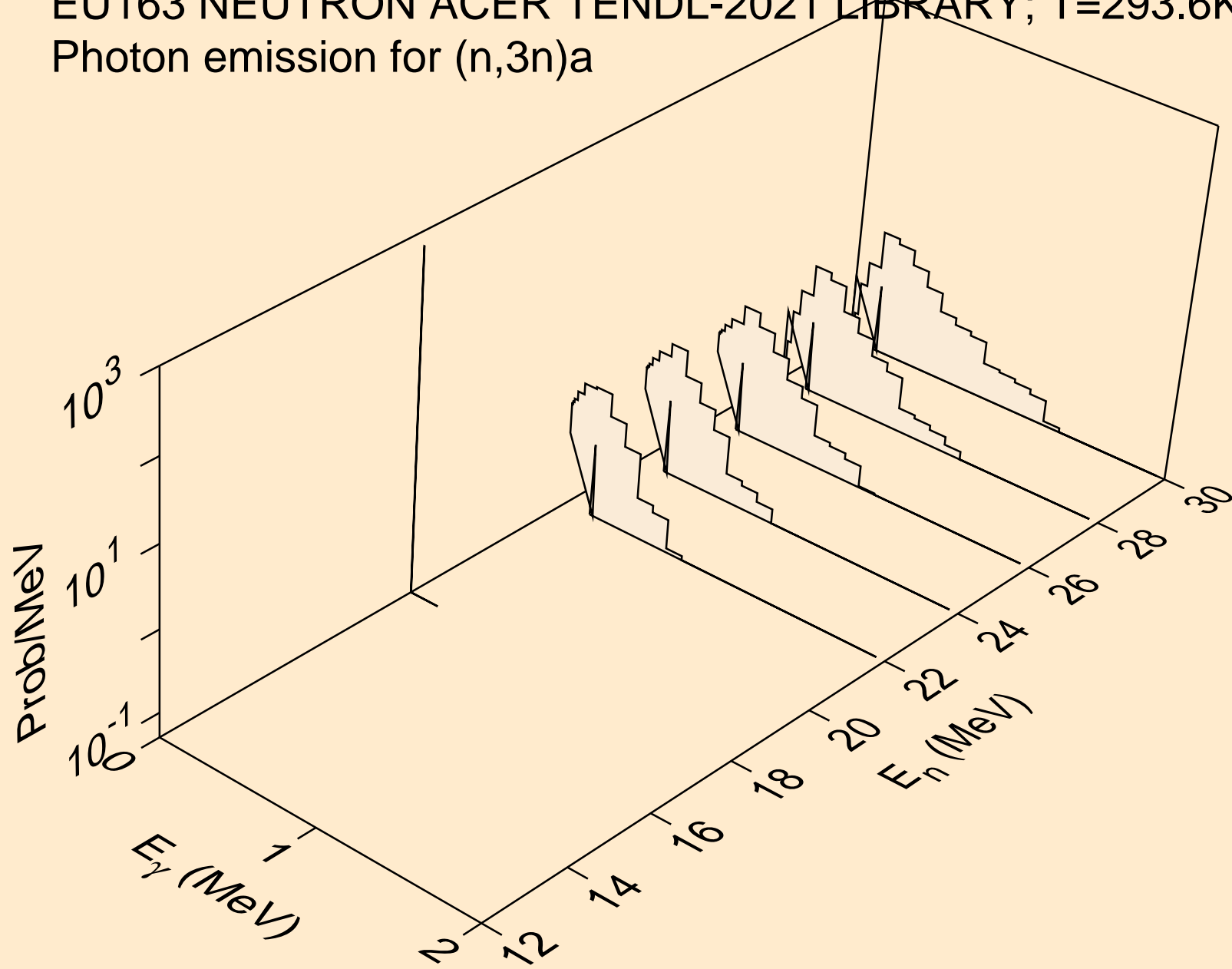
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Photon emission for (n,n\*)a



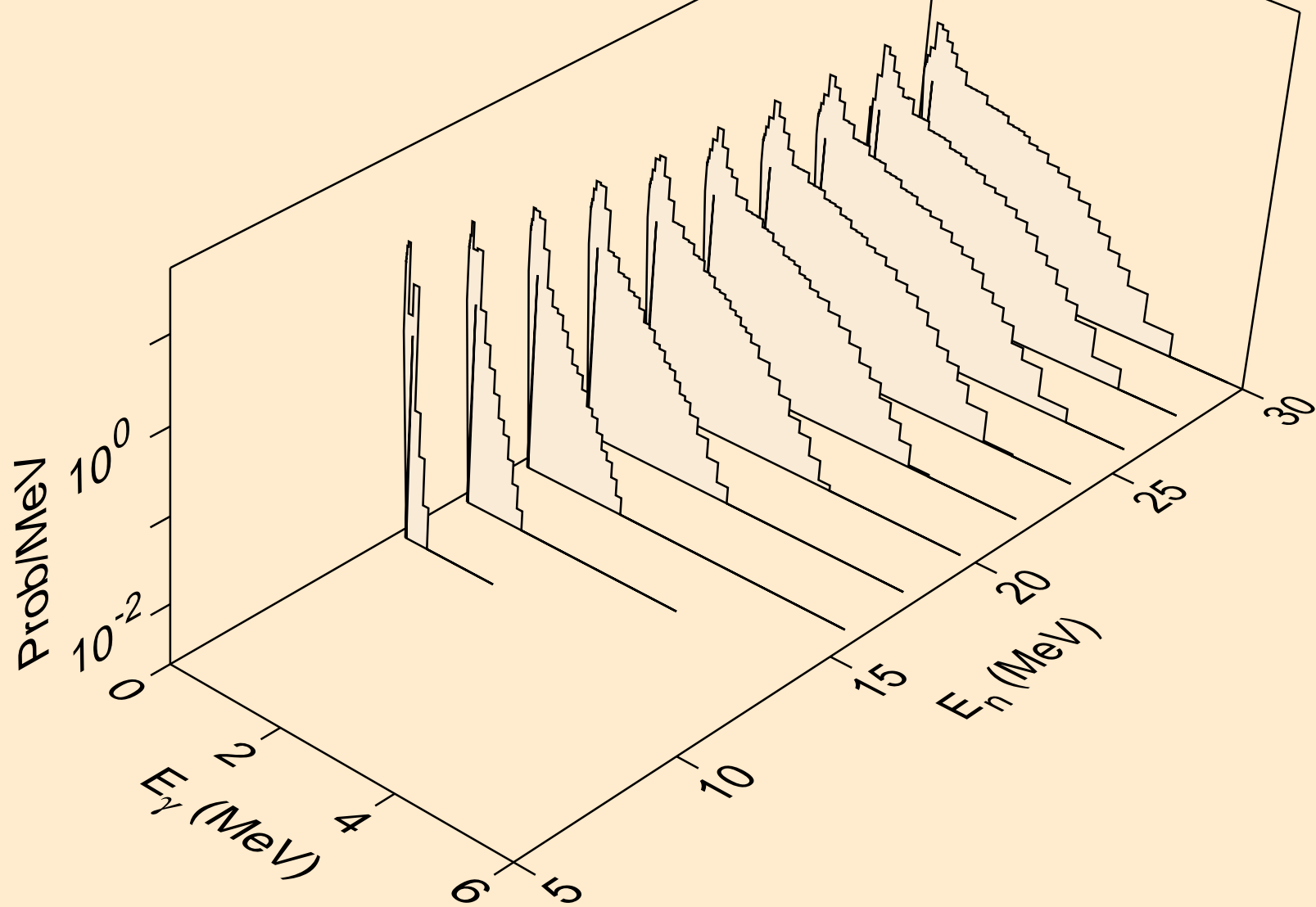
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Photon emission for (n,2n)a



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

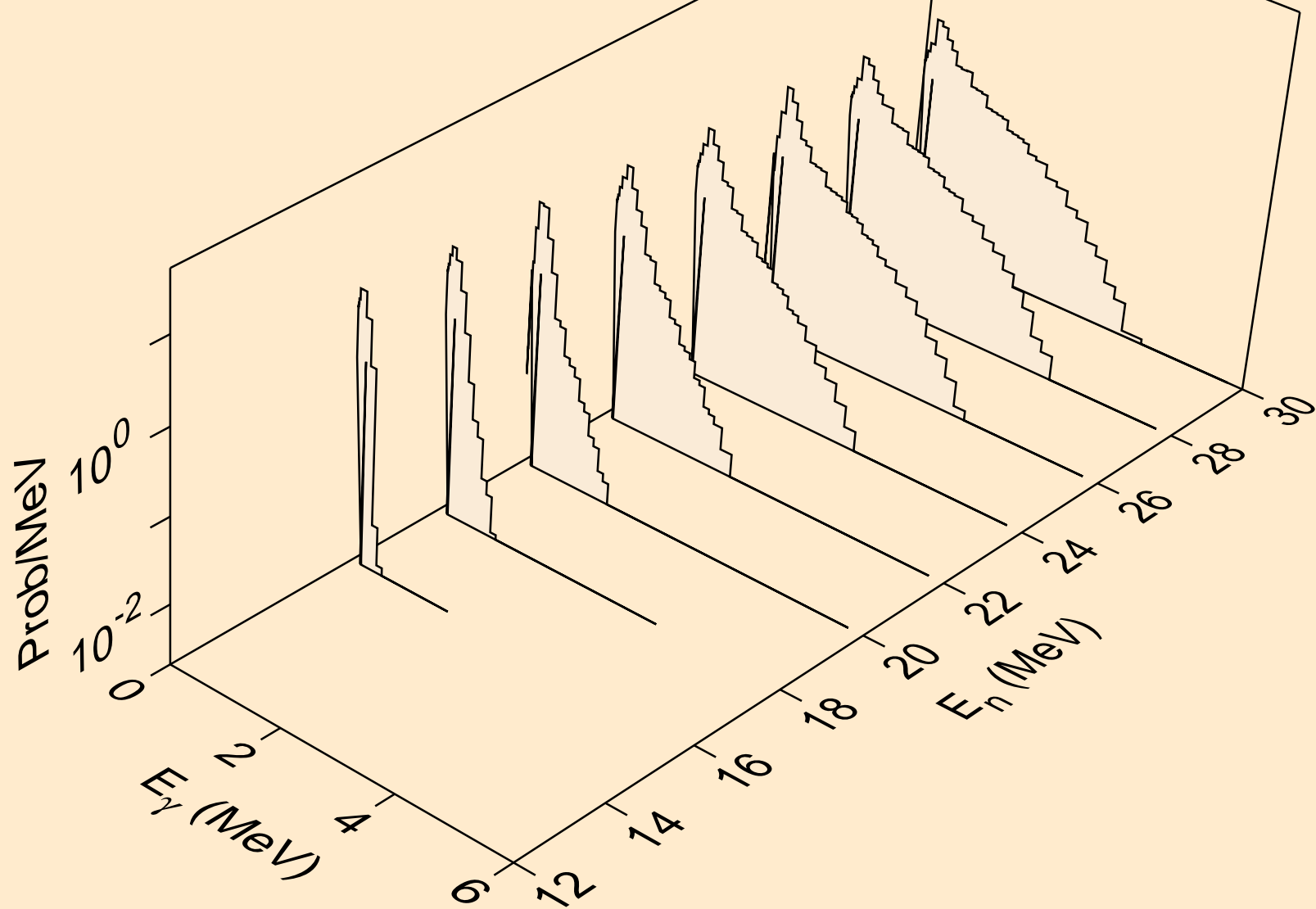


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Photon emission for (n,n\*)p

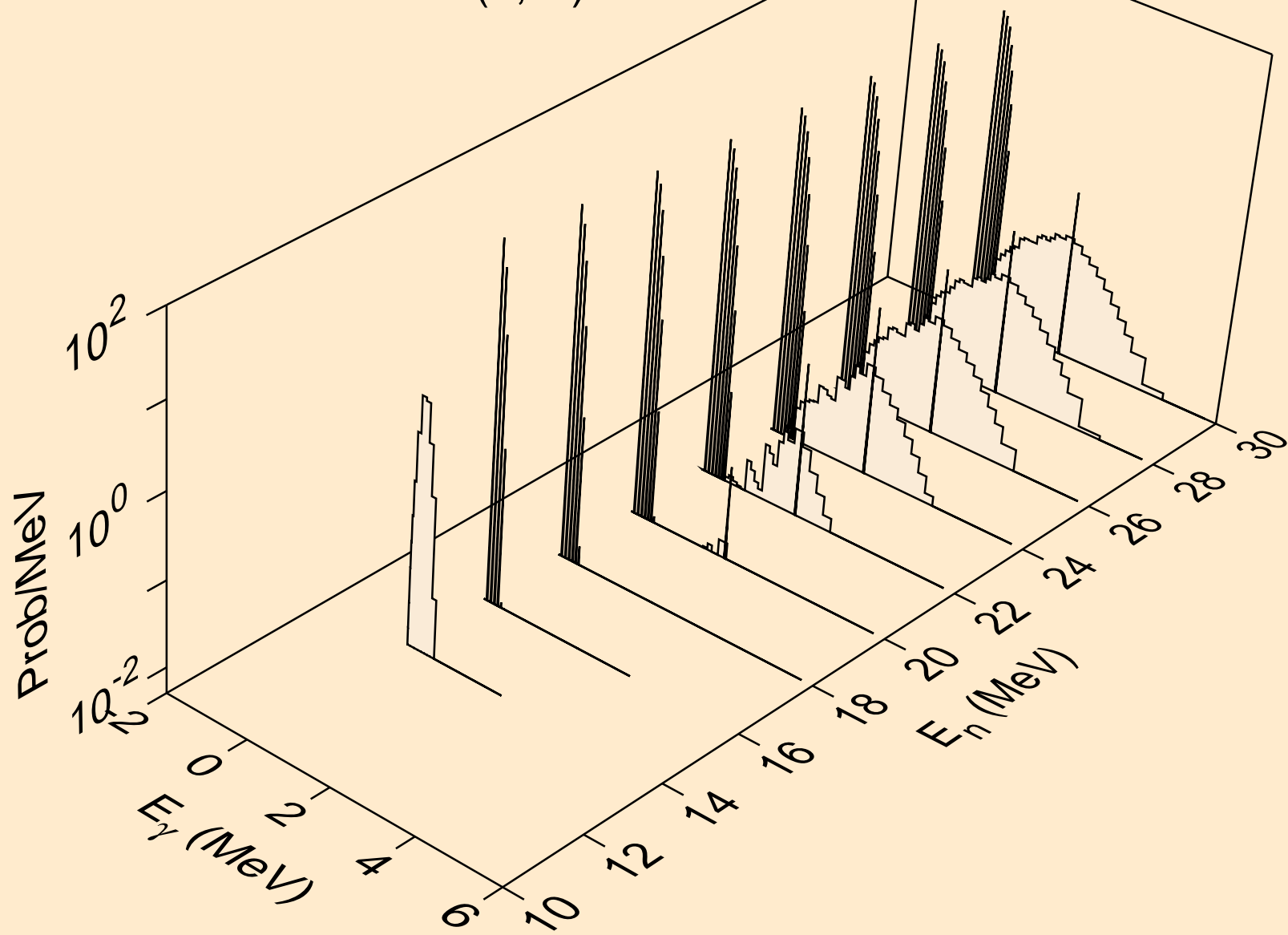




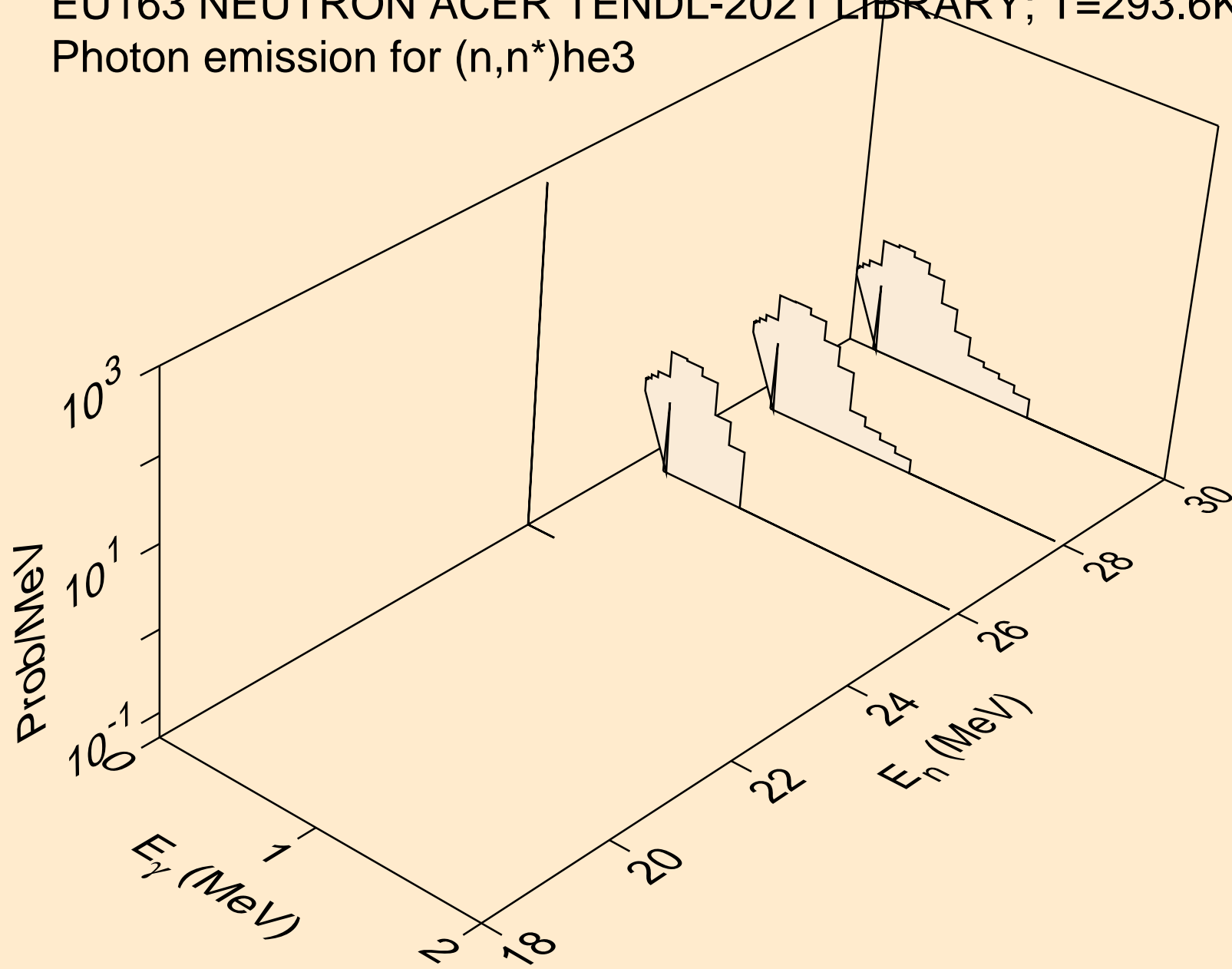
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Photon emission for (n,n\*)d



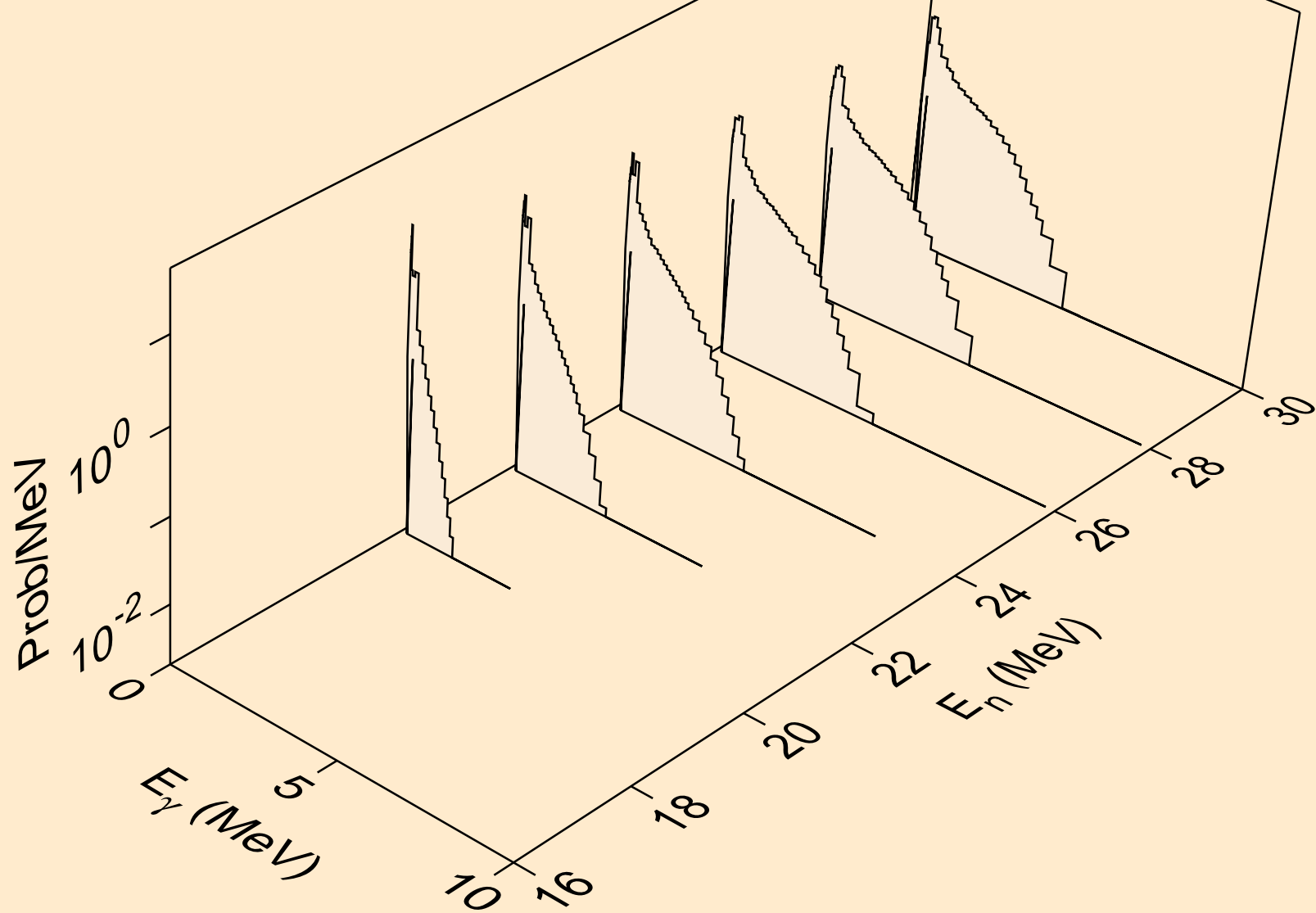
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Photon emission for (n,n\*)t



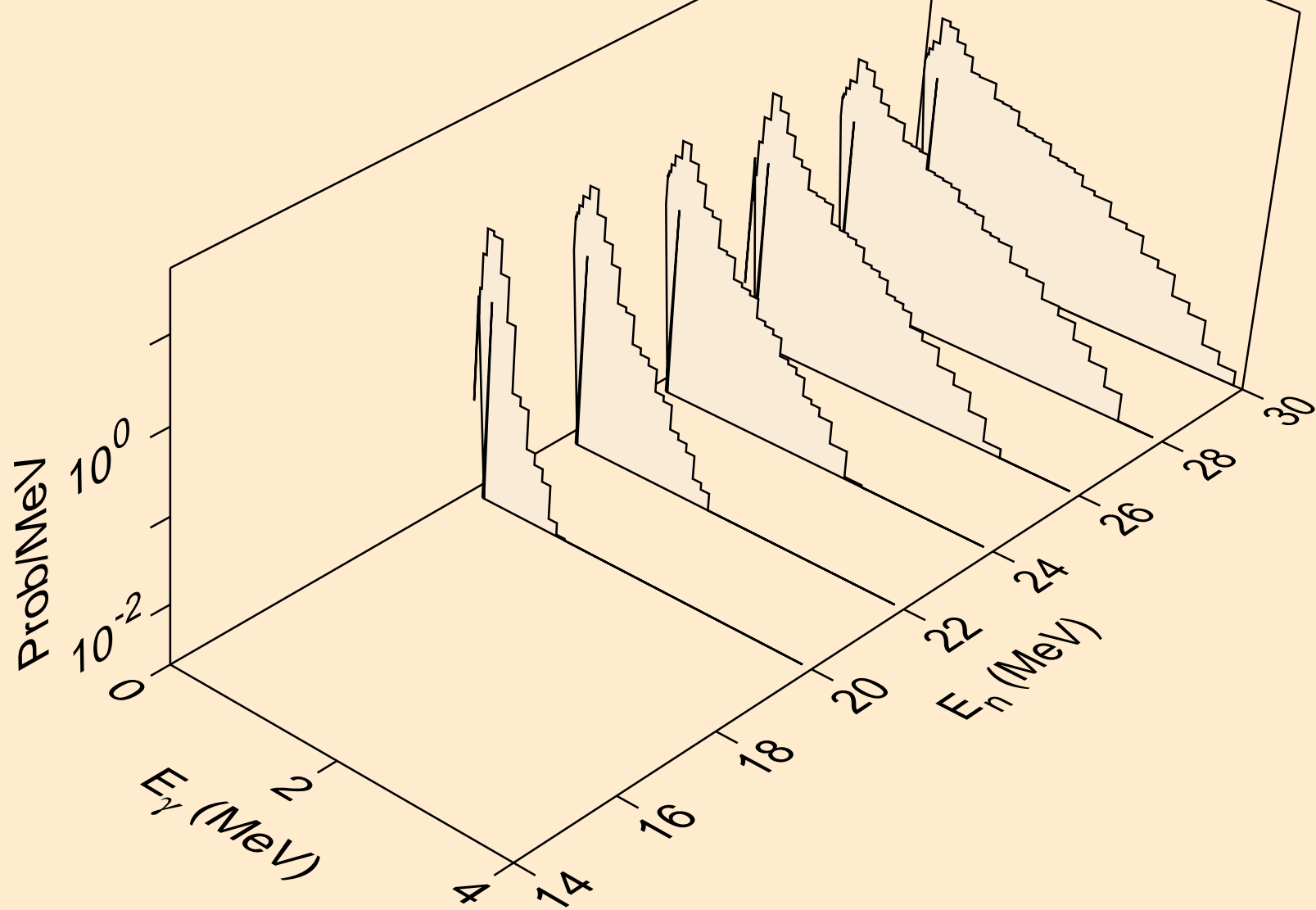
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Photon emission for (n,n\*)he3



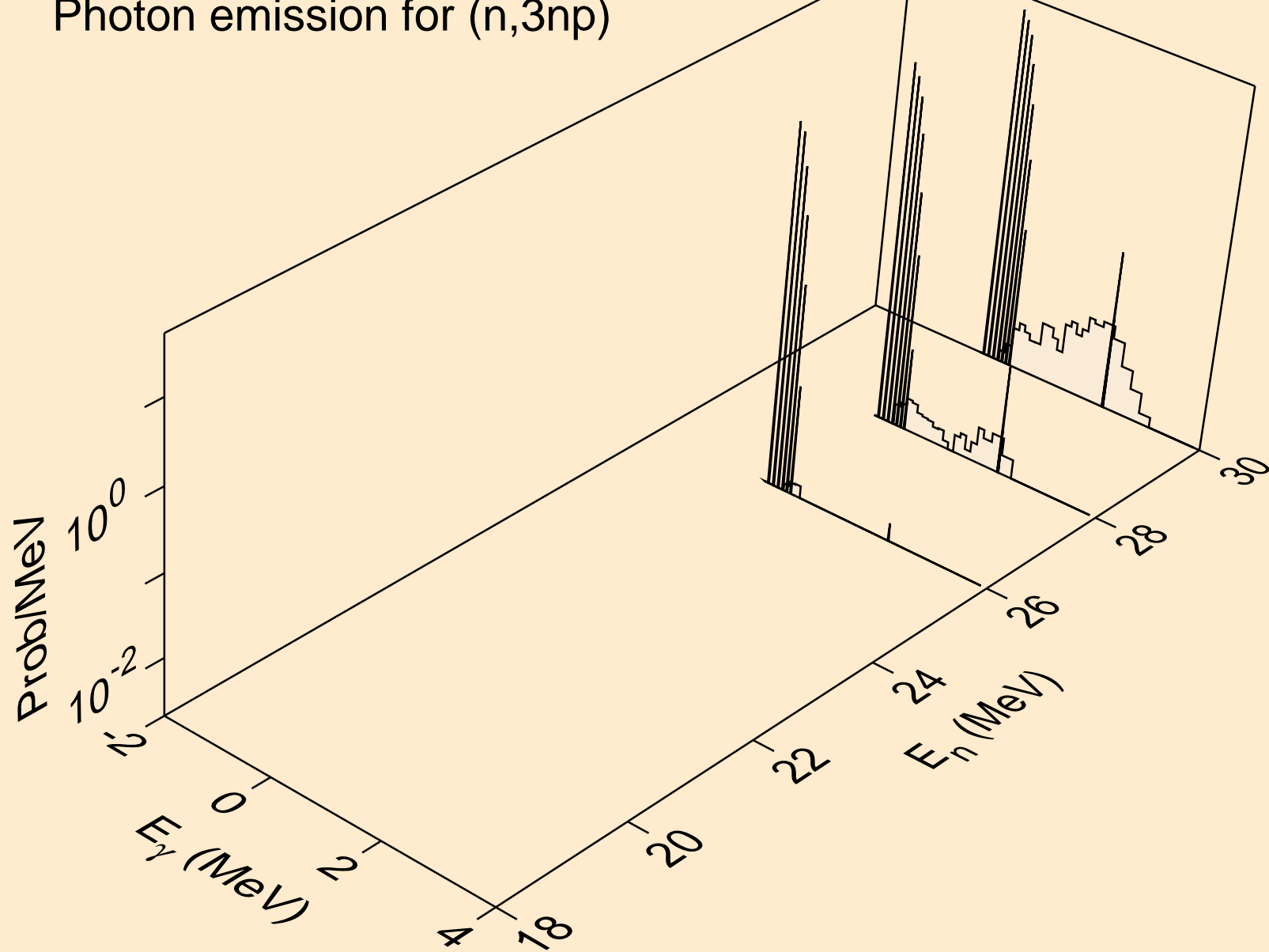
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Photon emission for (n,4n)



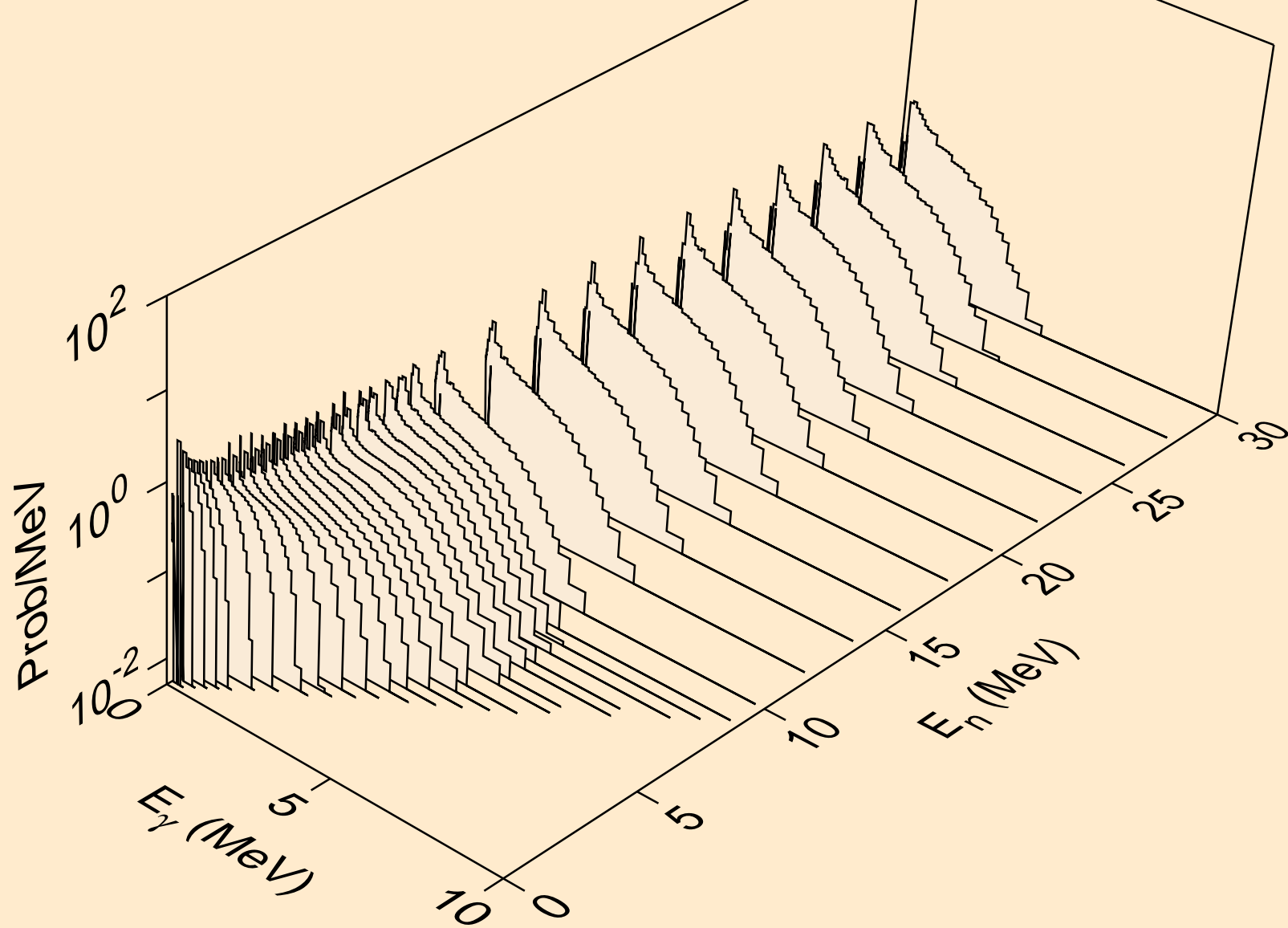
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Photon emission for (n,2np)



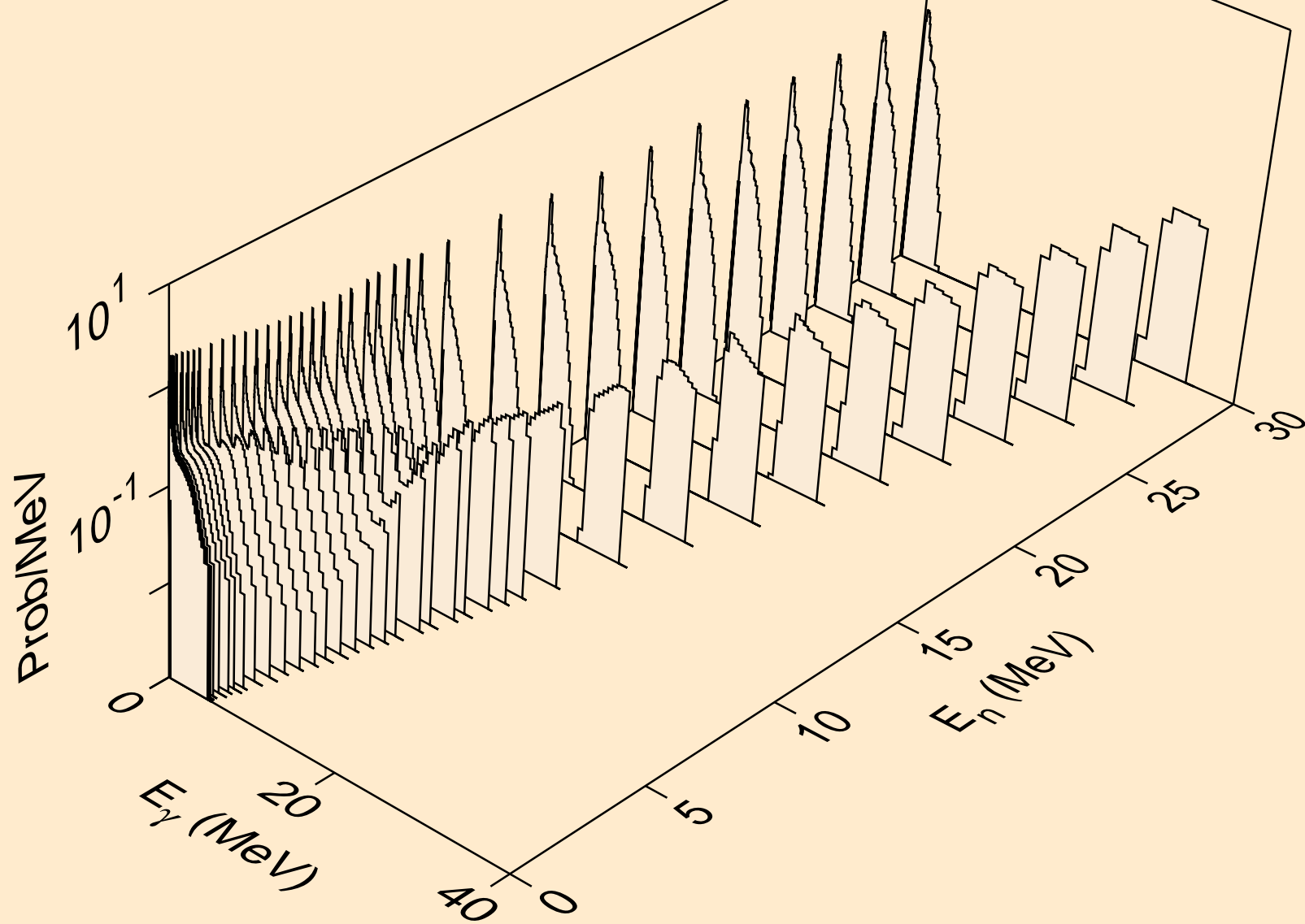
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Photon emission for (n,3np)



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

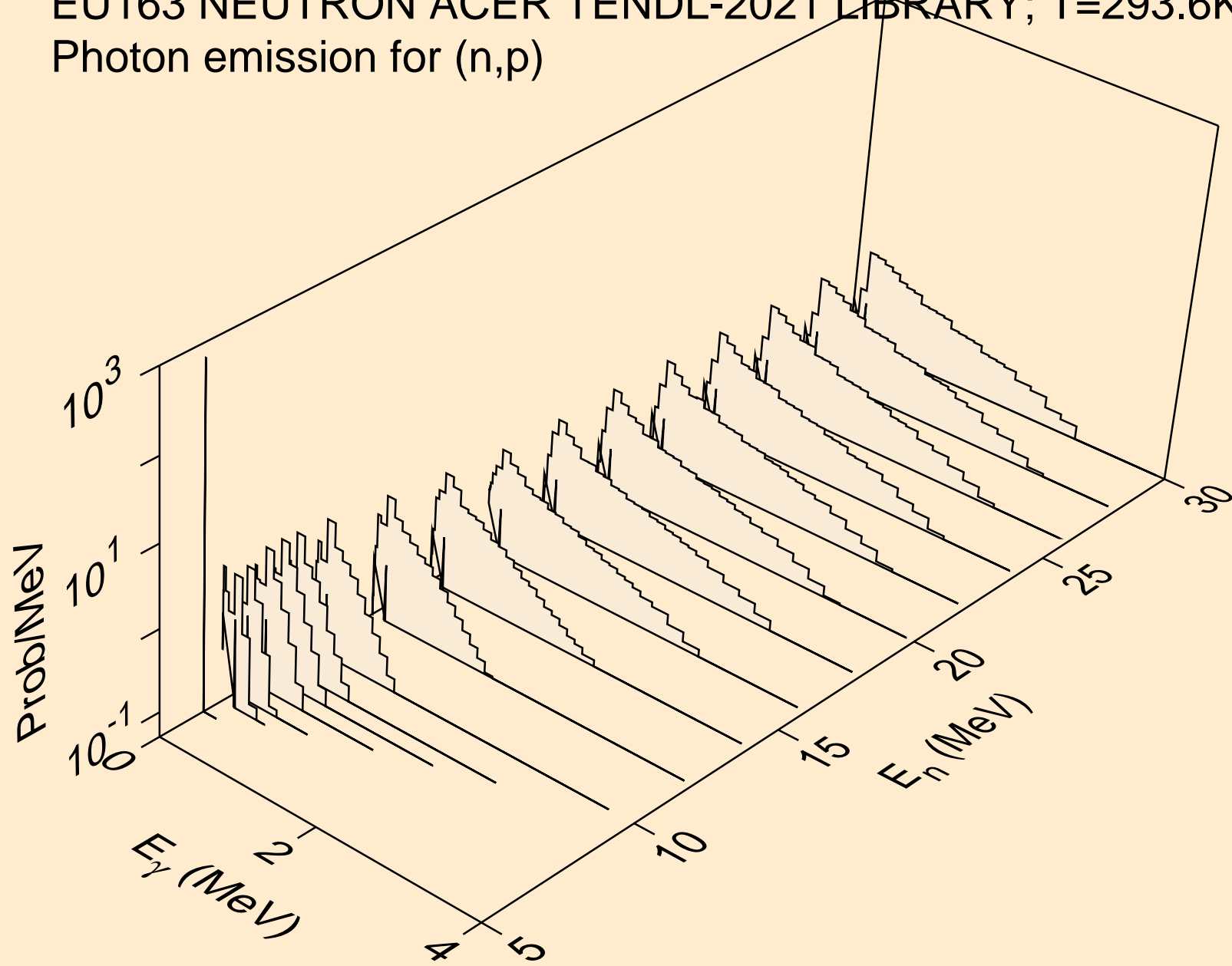


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Photon emission for (n,gma)

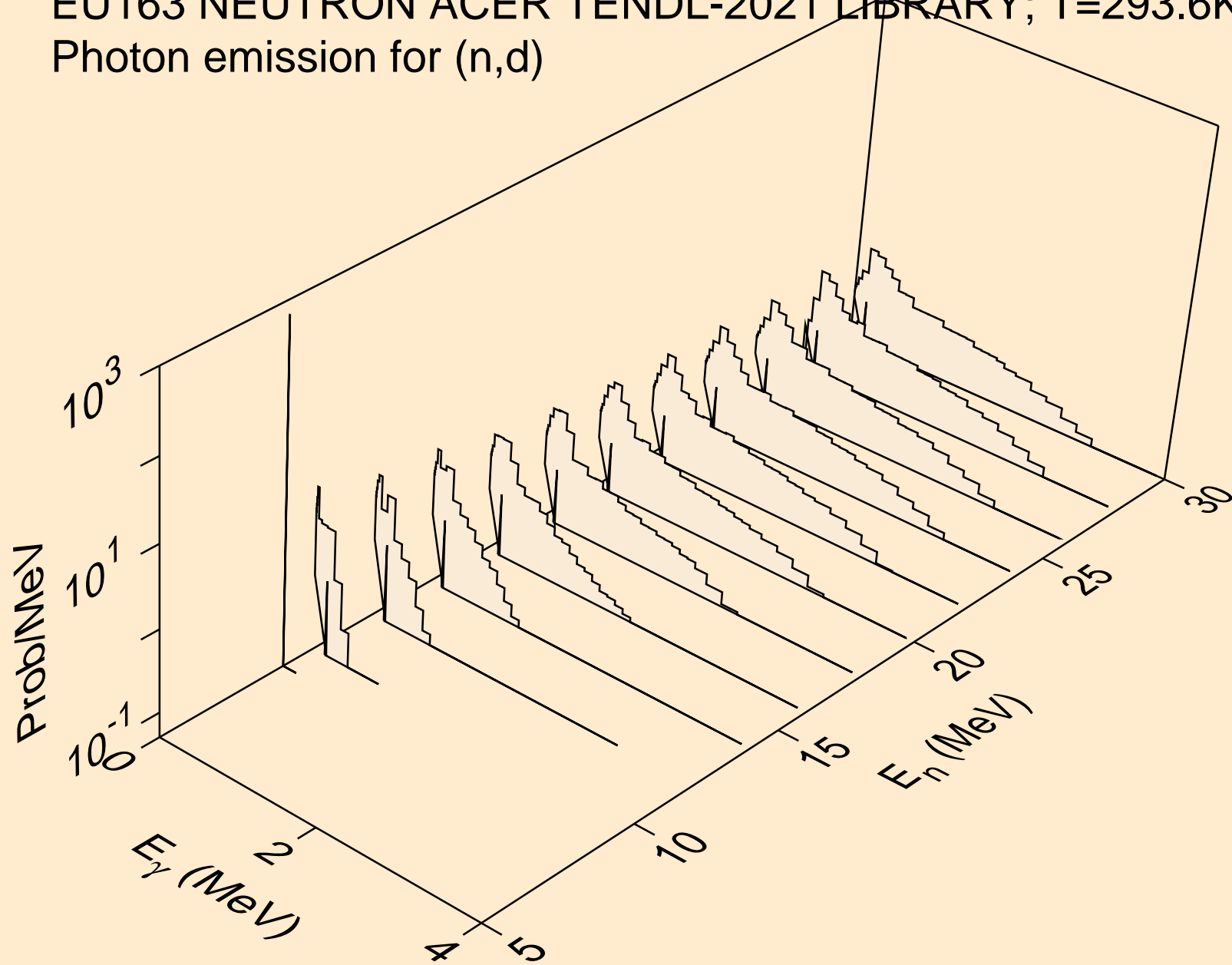




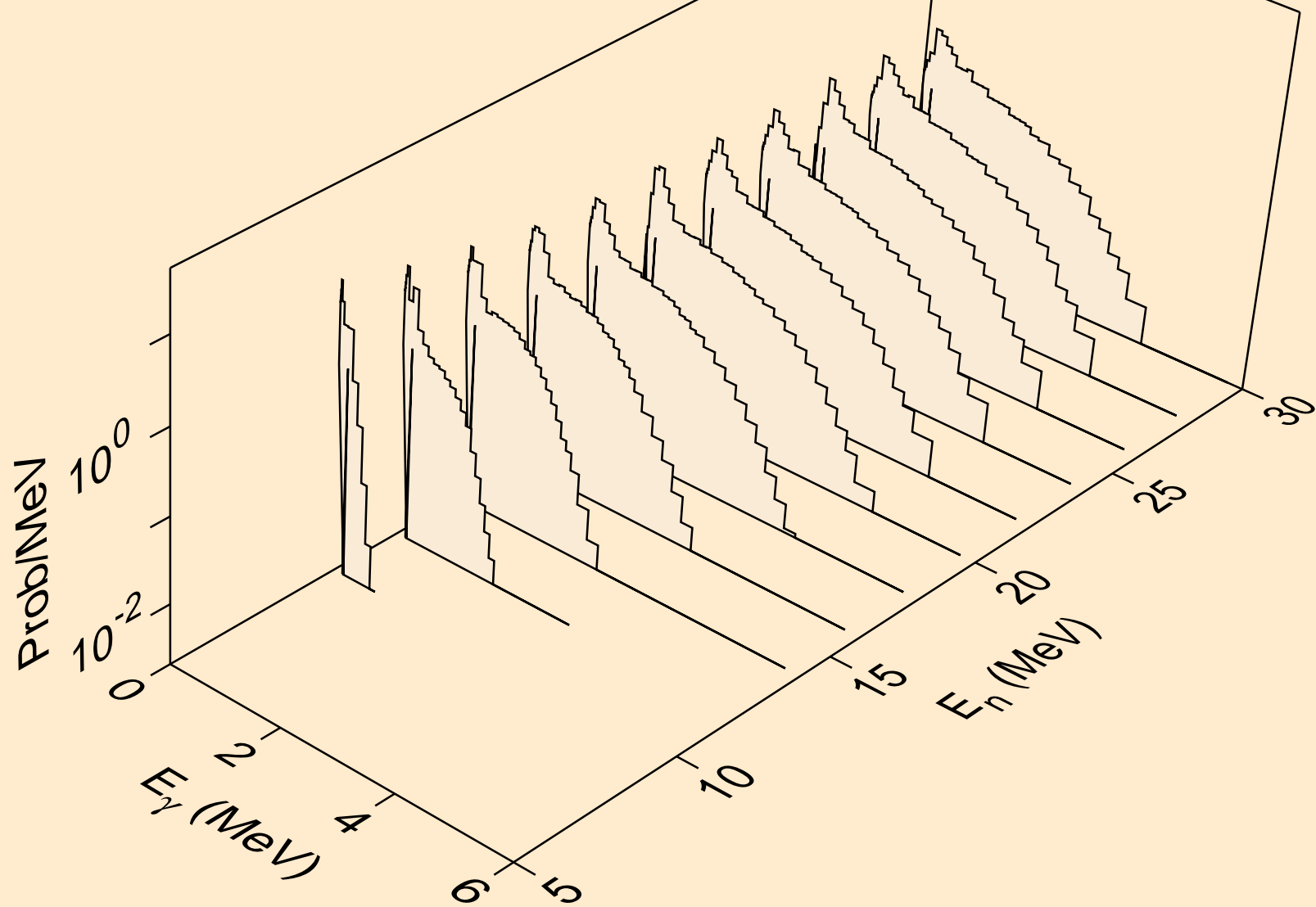
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Photon emission for (n,p)



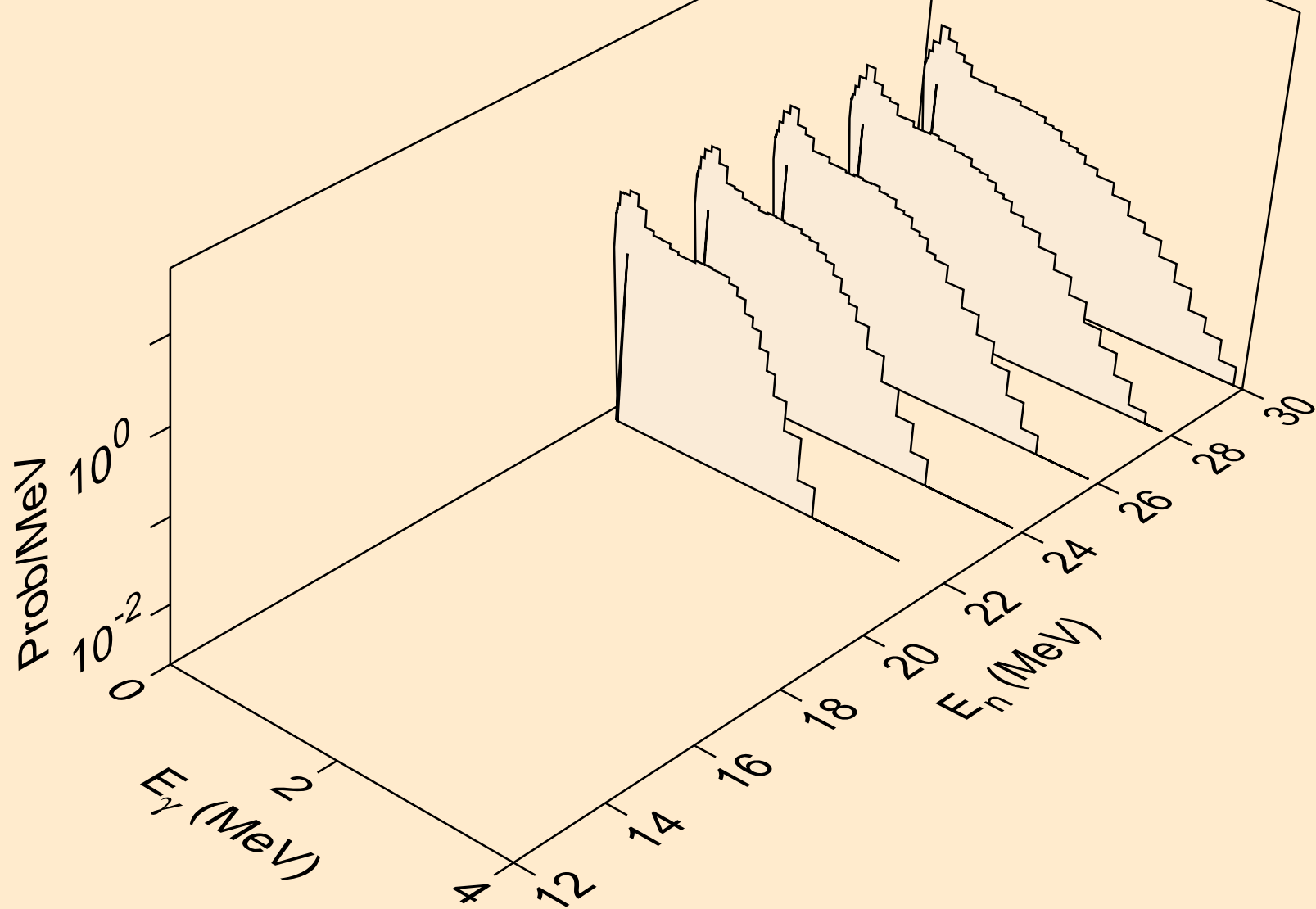
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Photon emission for (n,d)



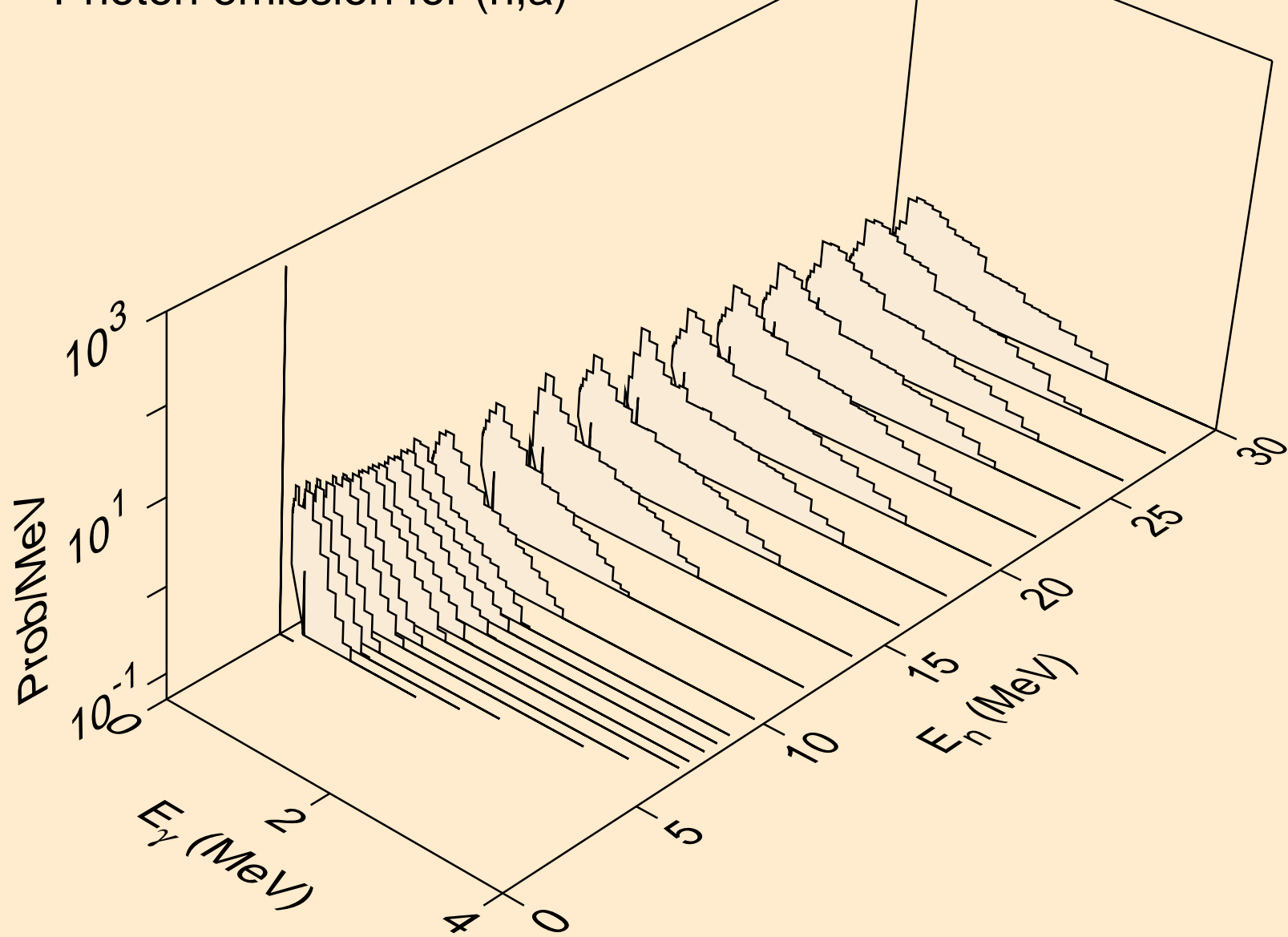
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Photon emission for (n,t)



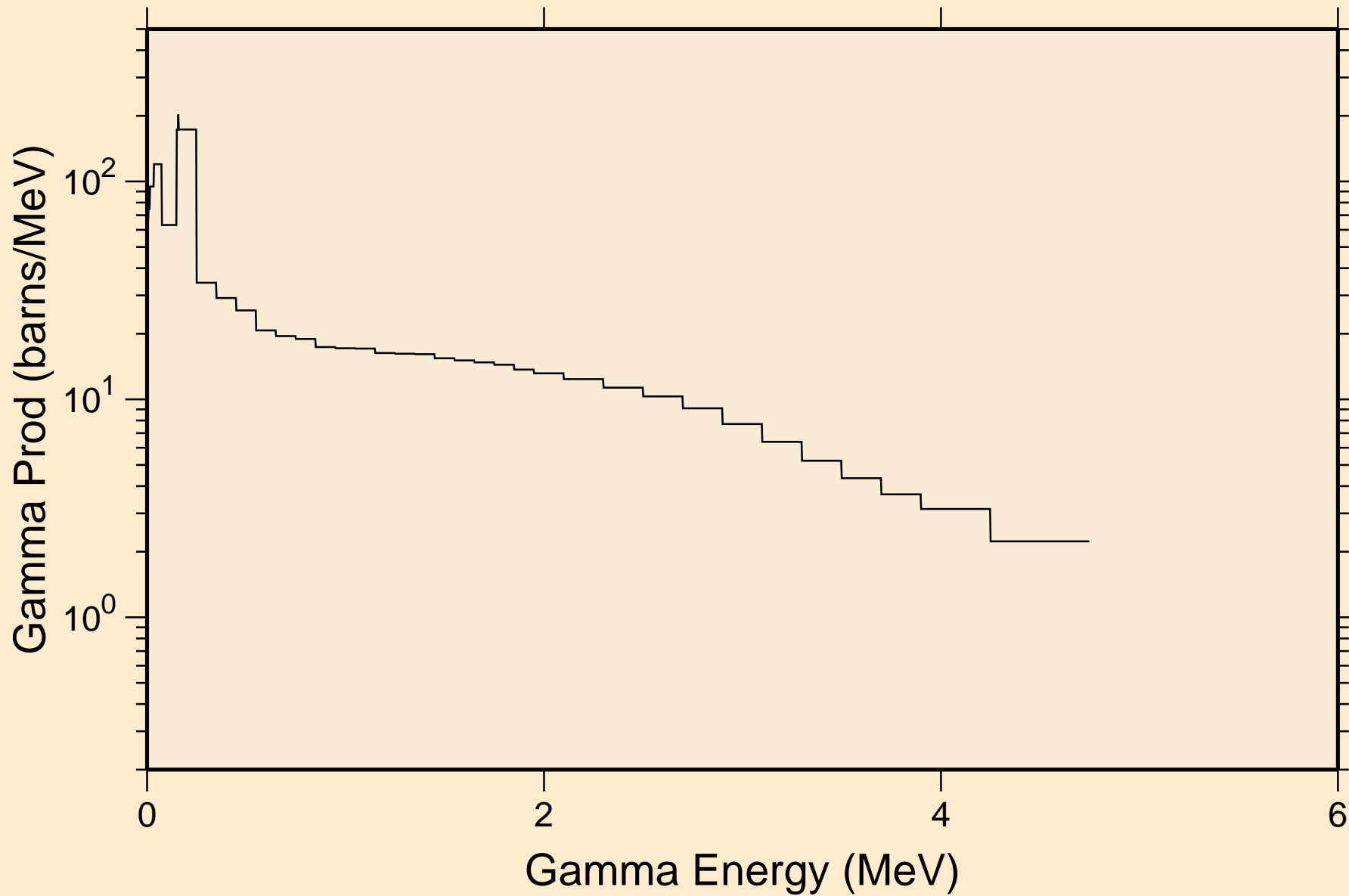
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Photon emission for (n,he3)



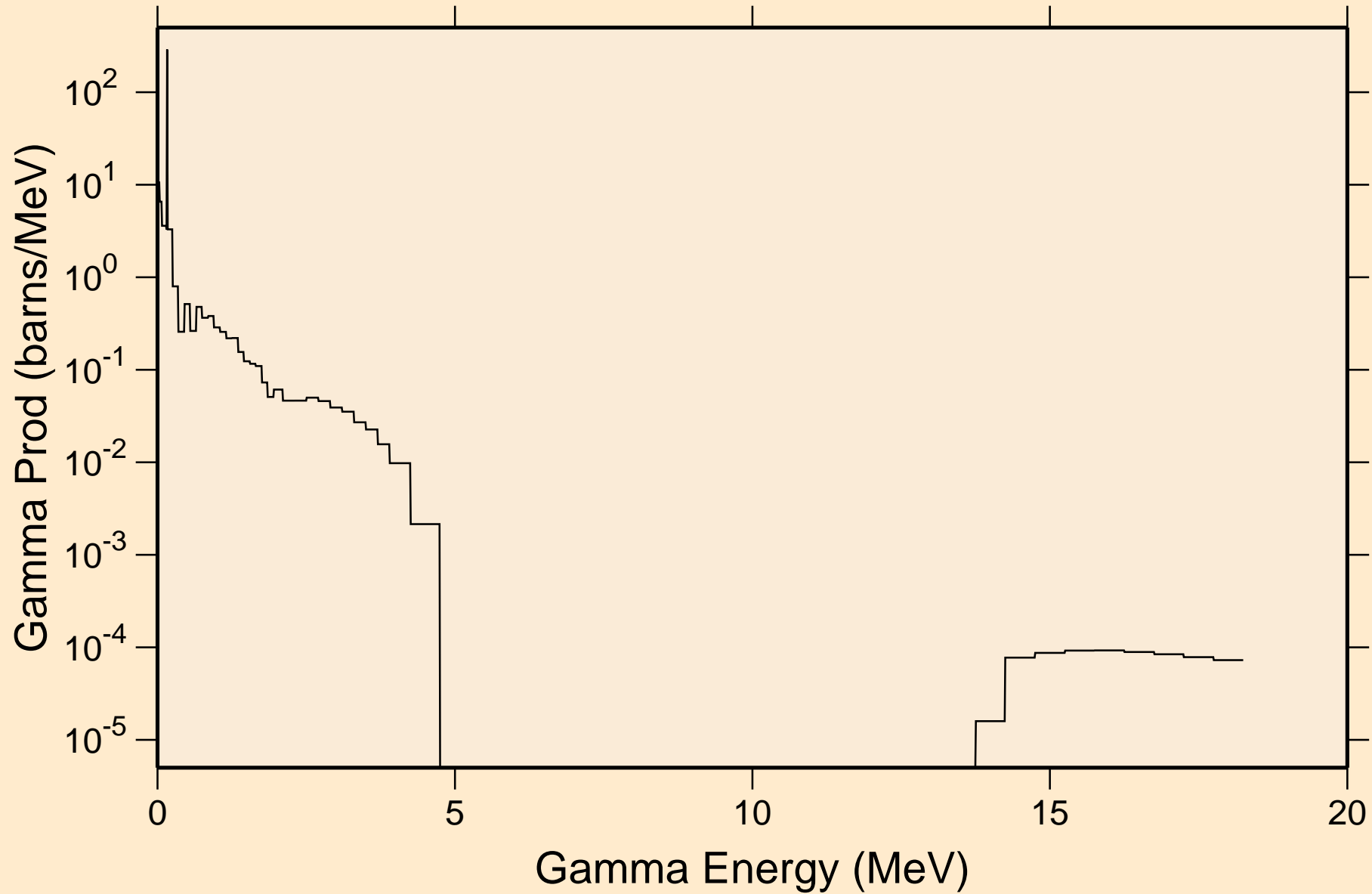
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

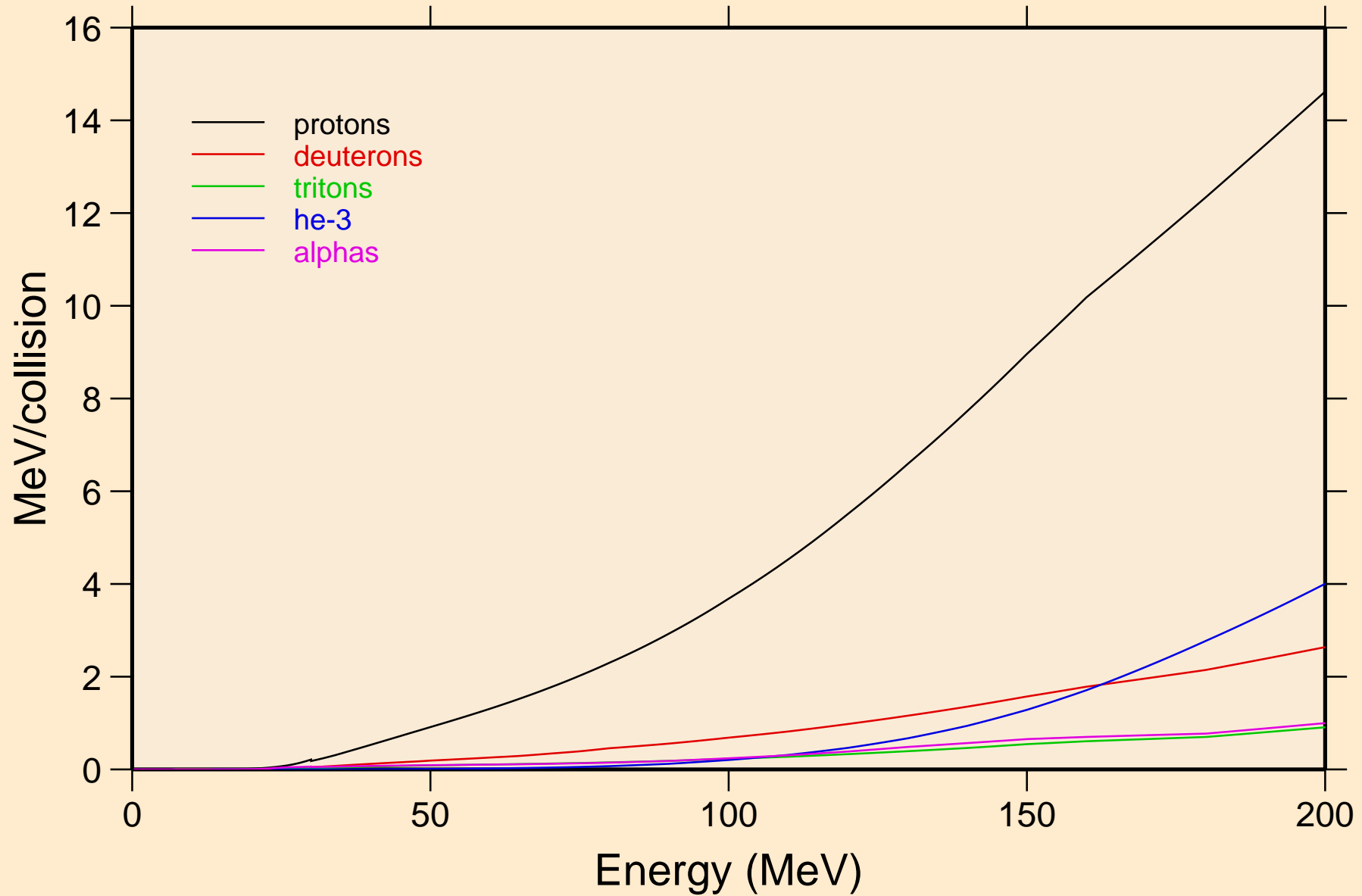


EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



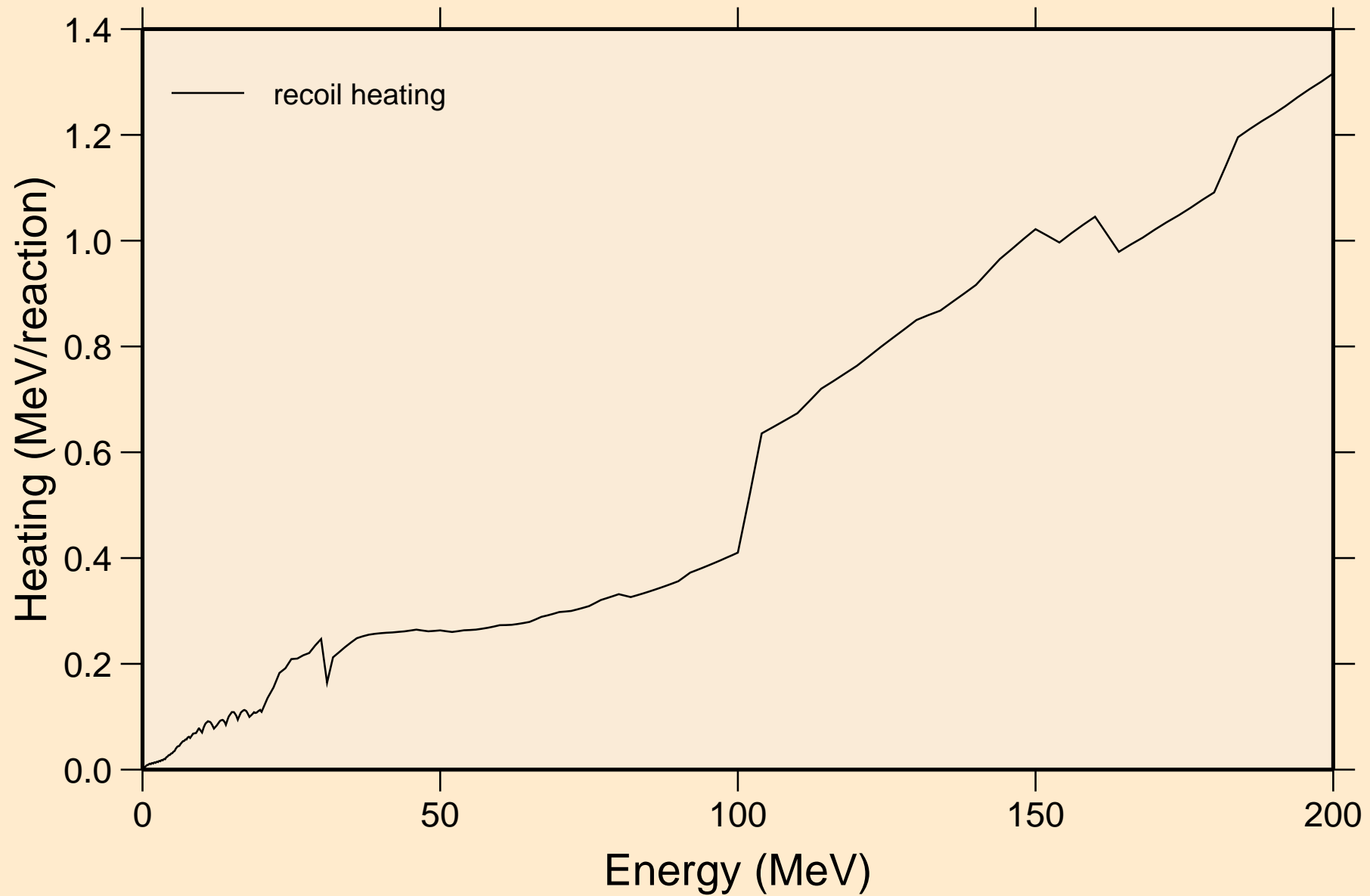
# EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Particle heating contributions

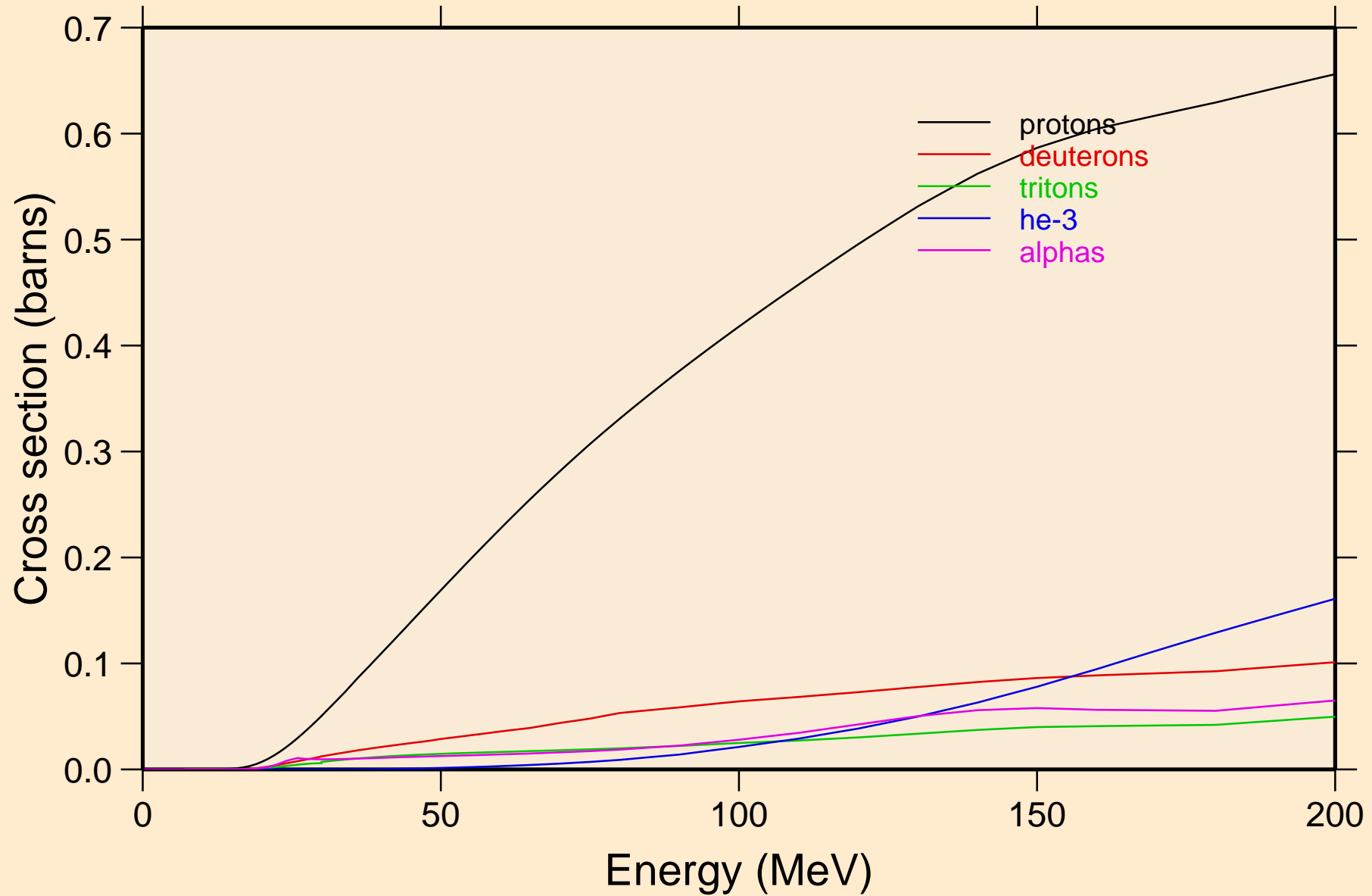




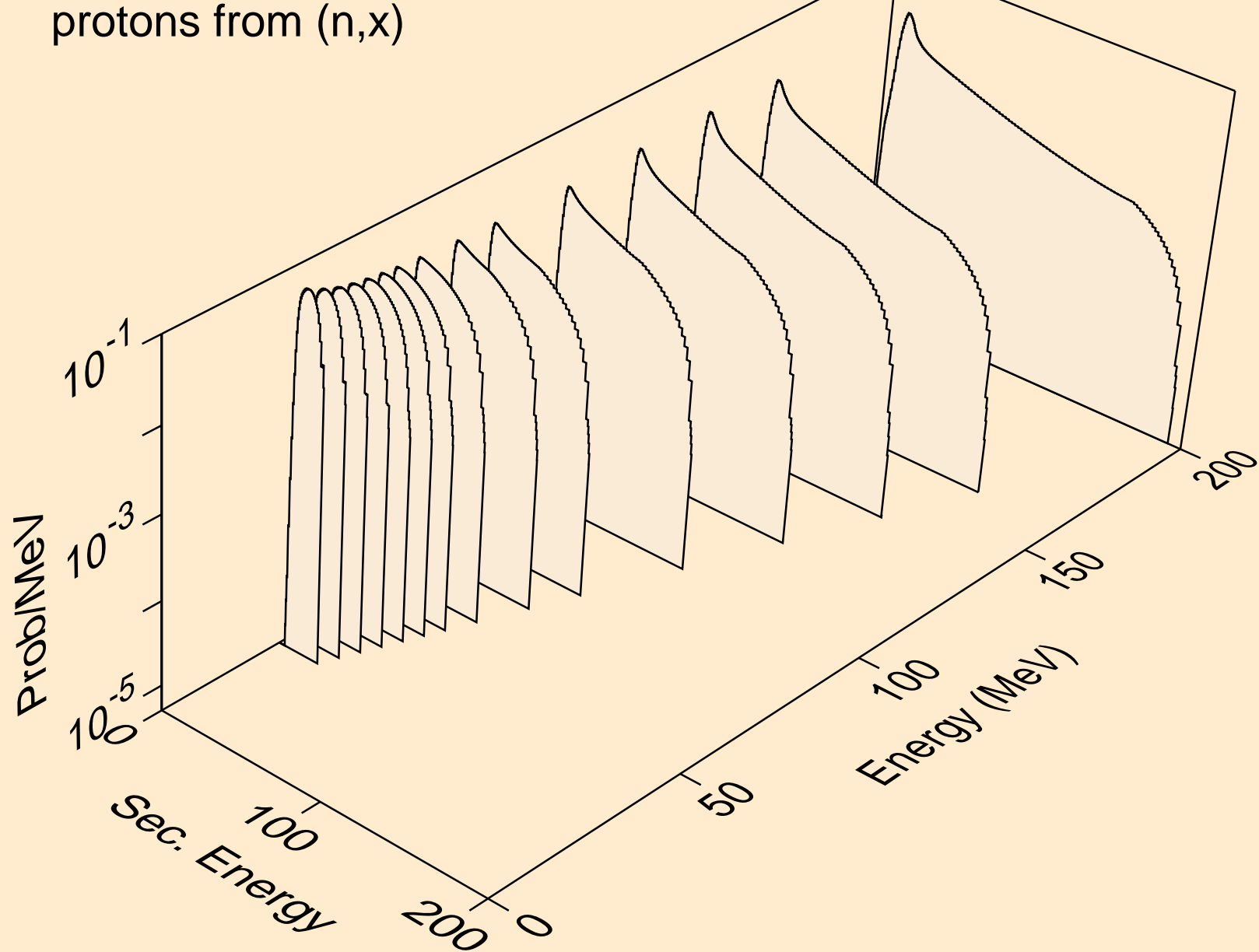
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Recoil Heating



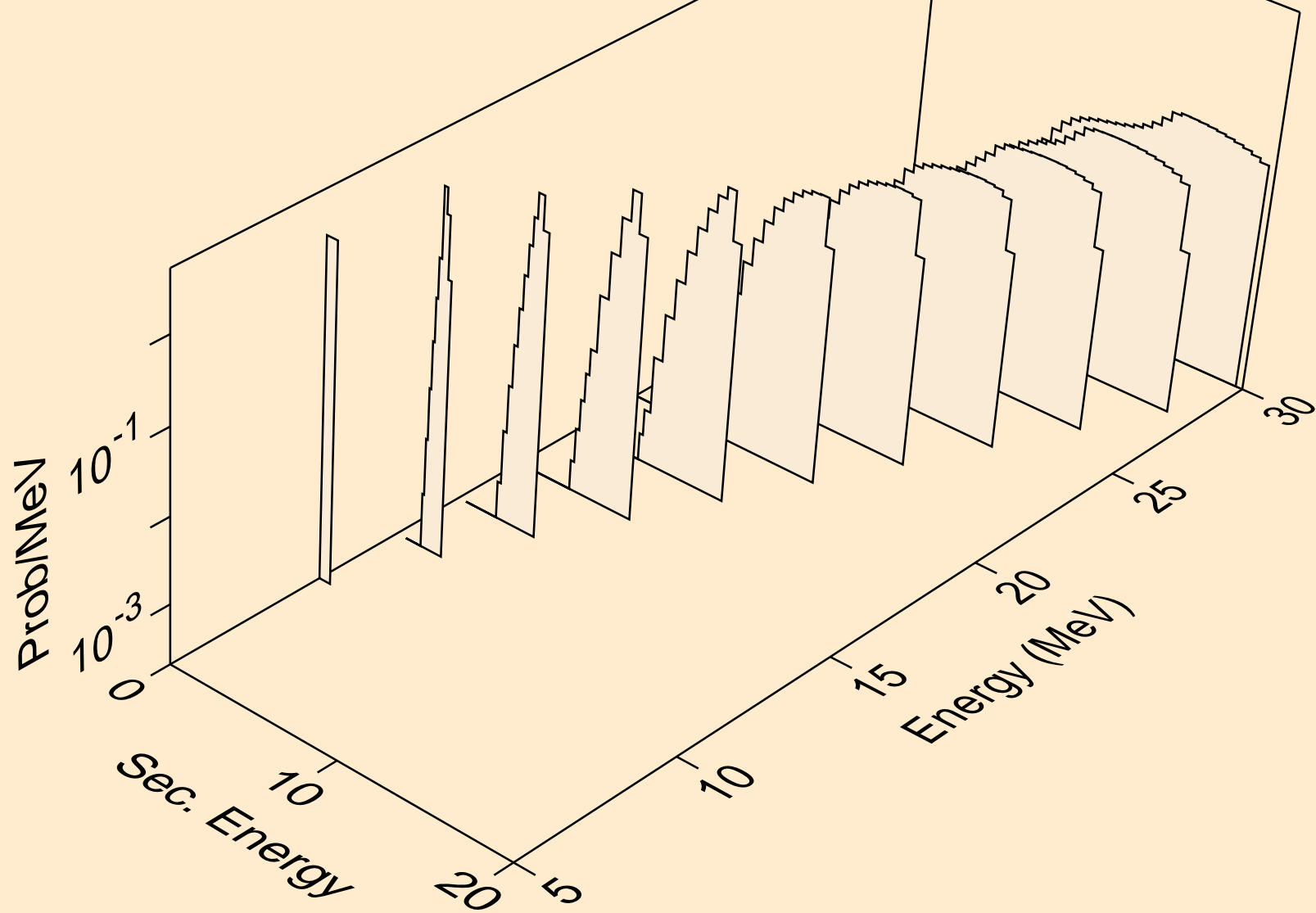
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



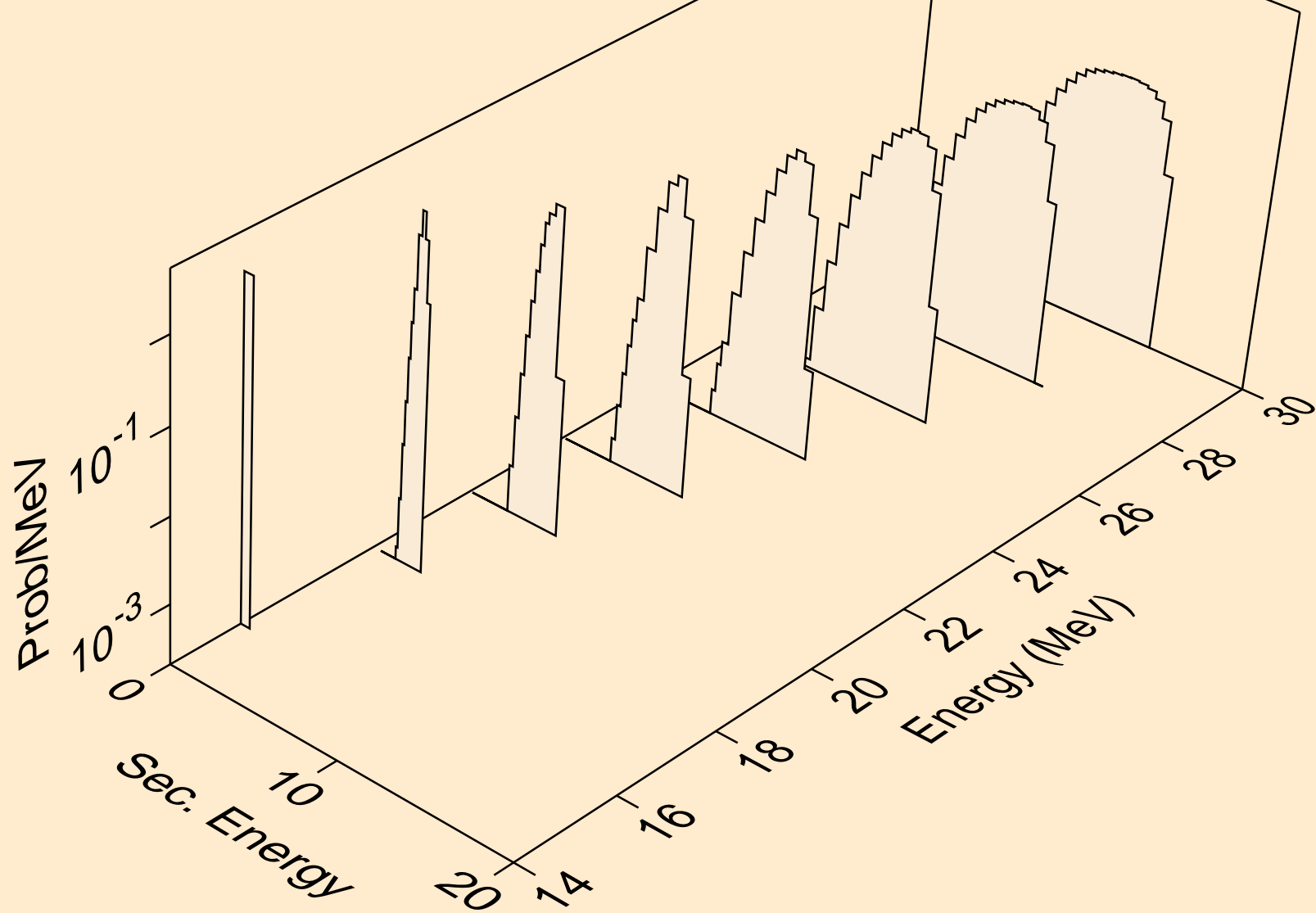
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



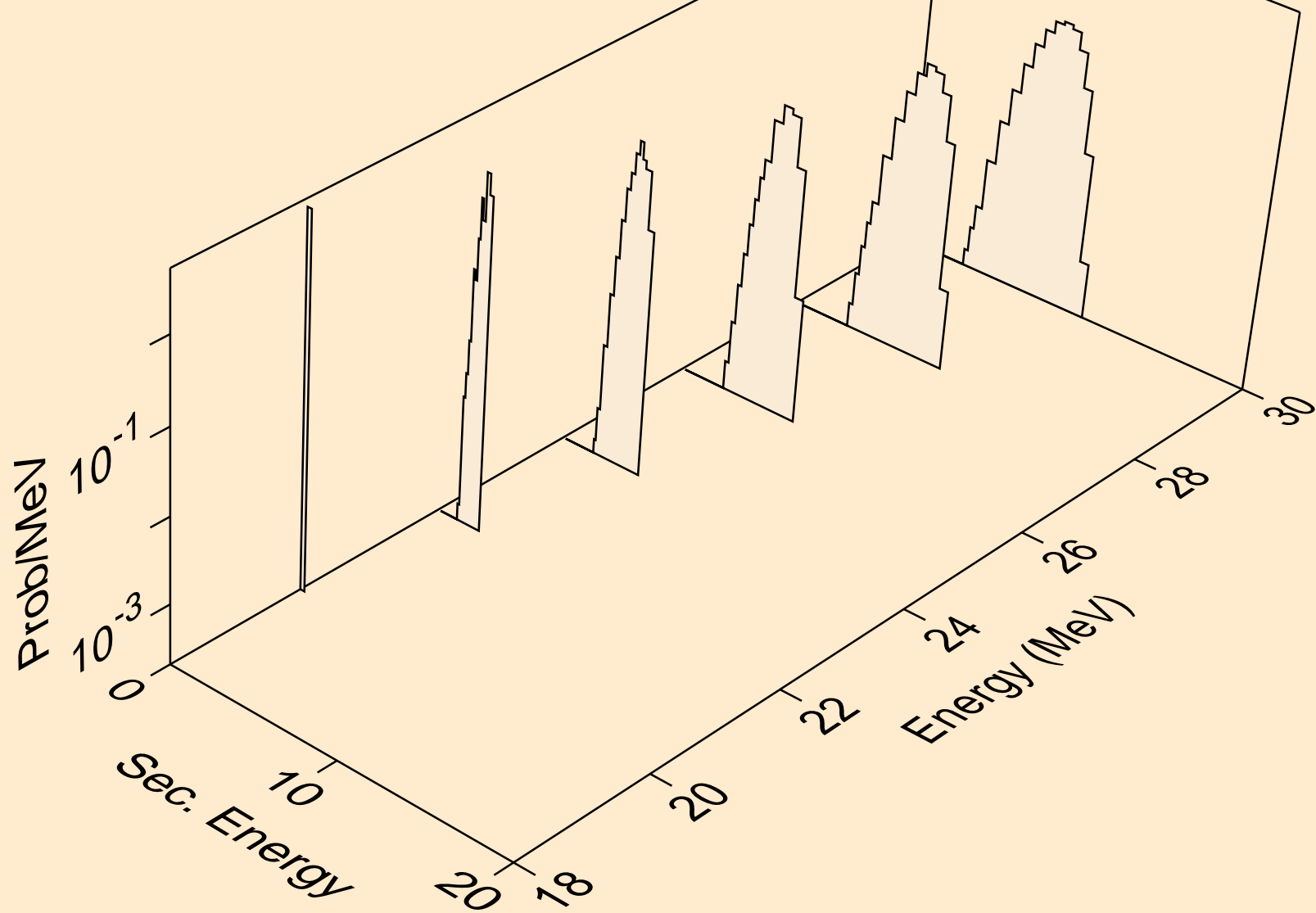
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



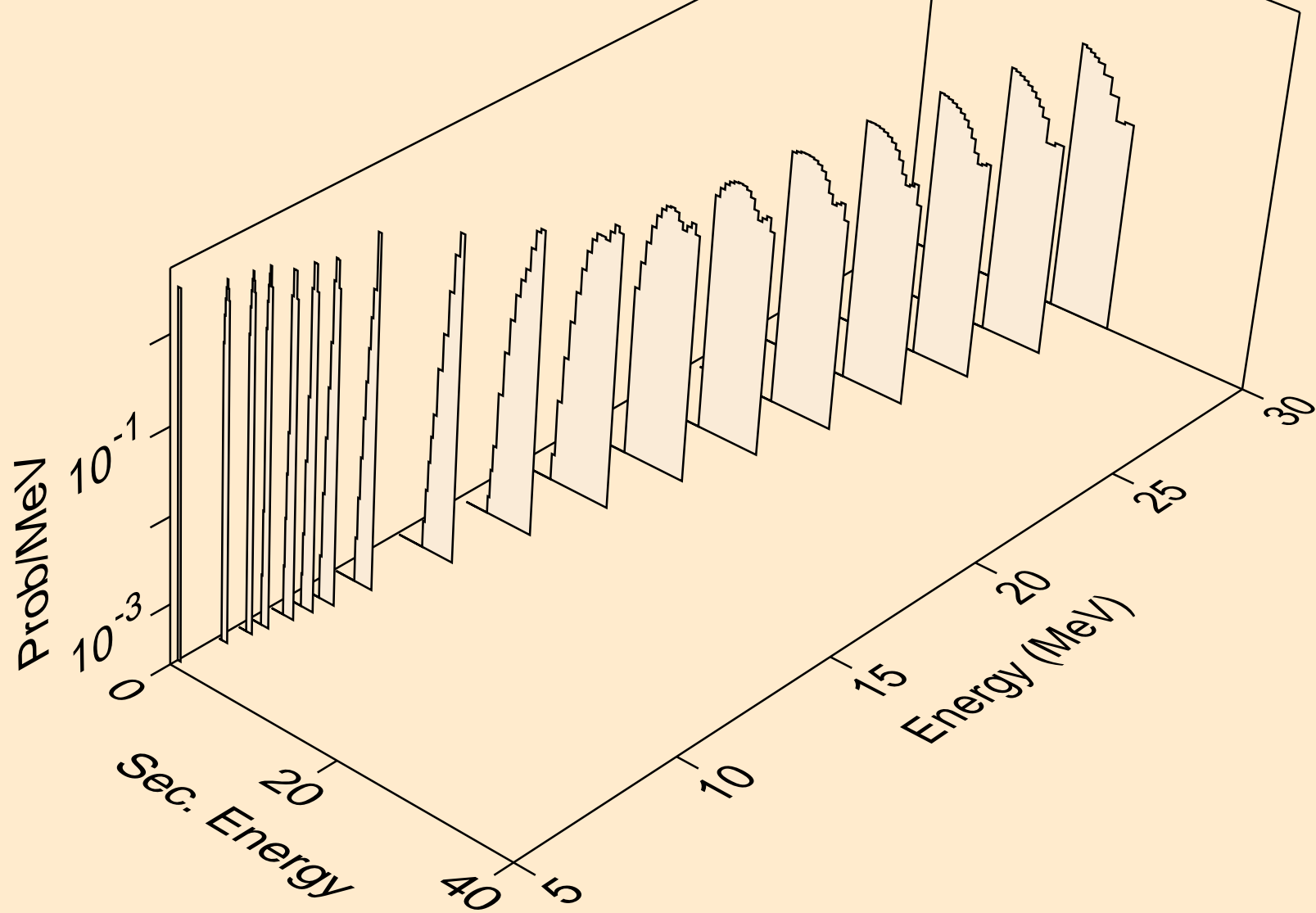
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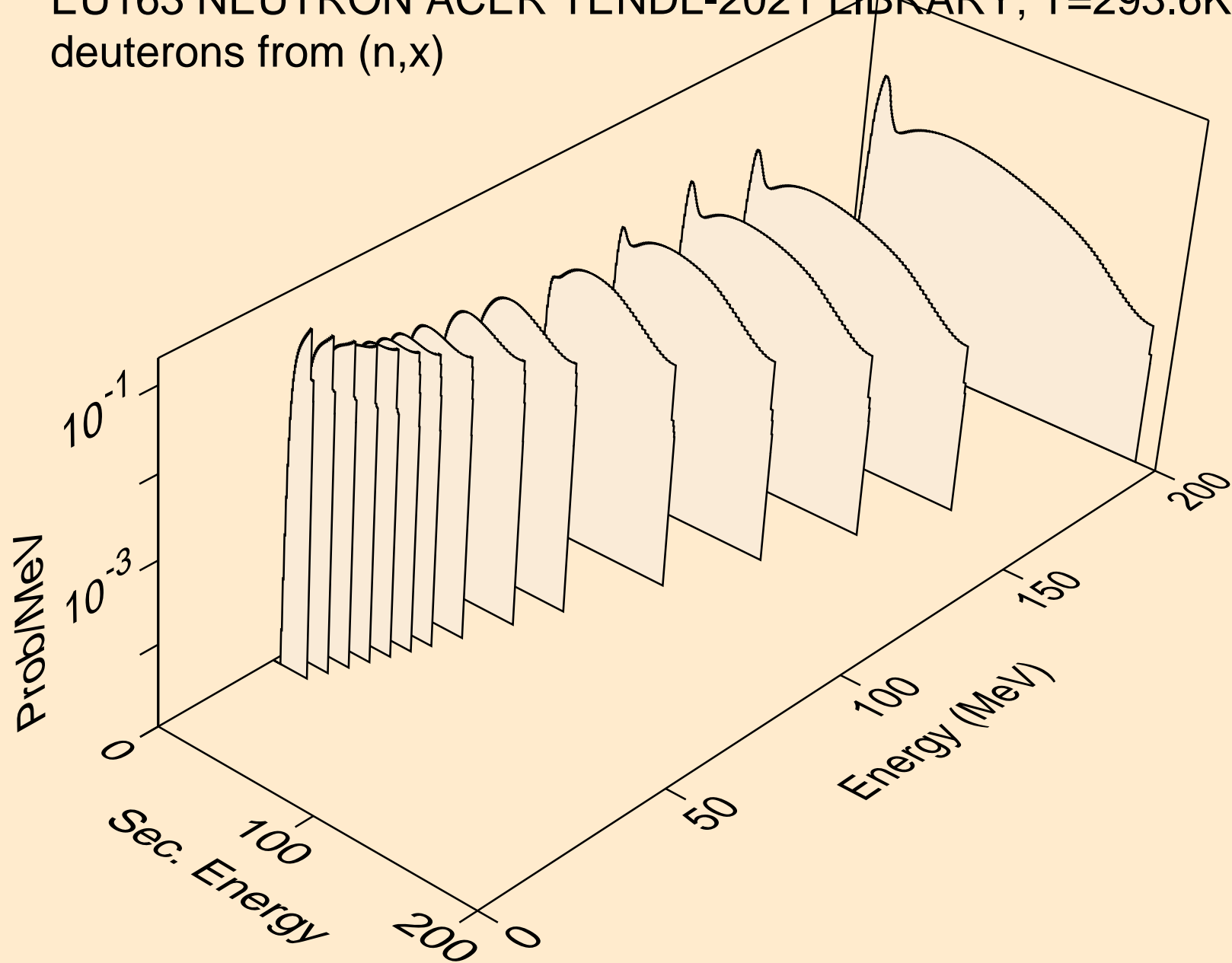
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EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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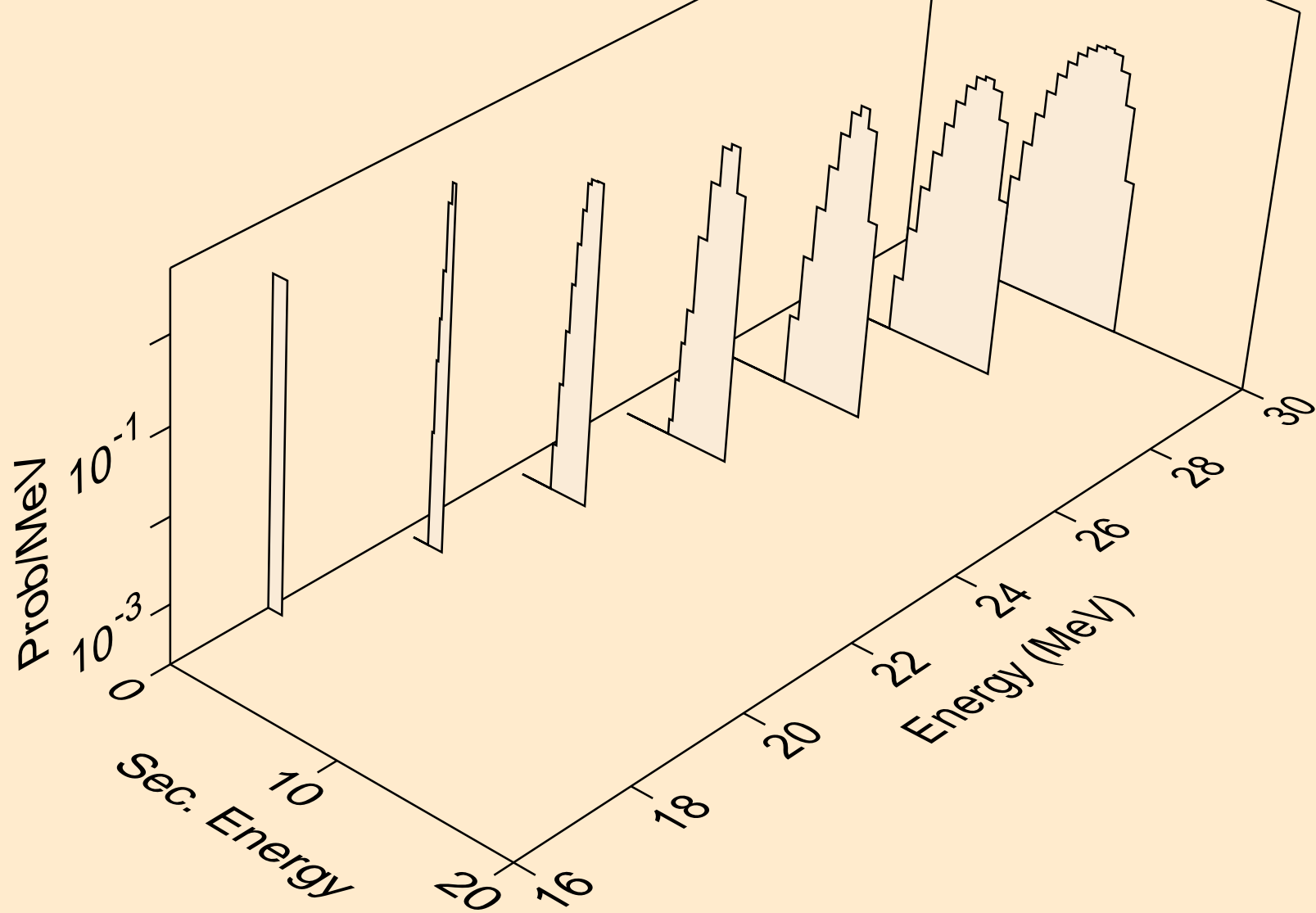


EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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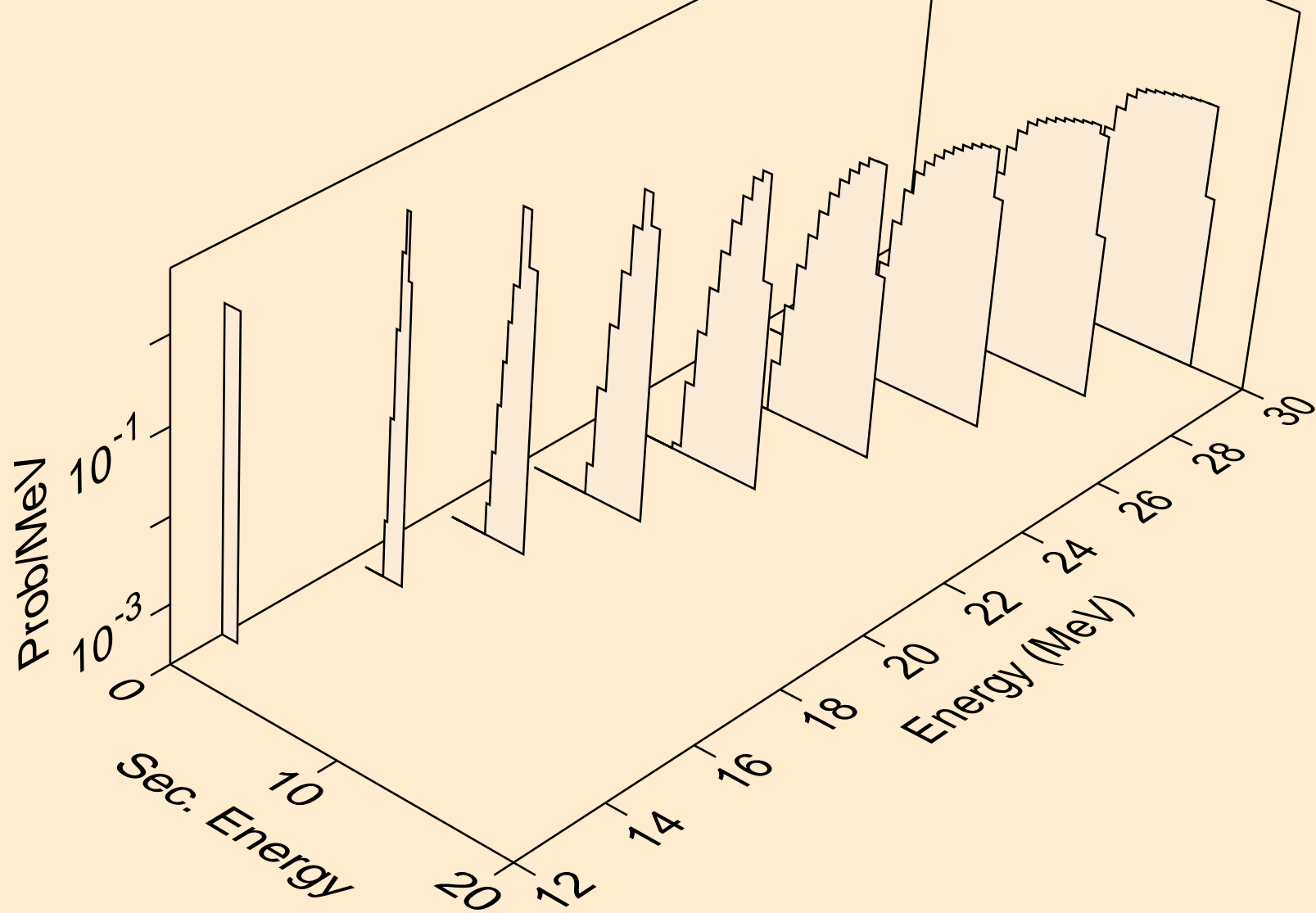




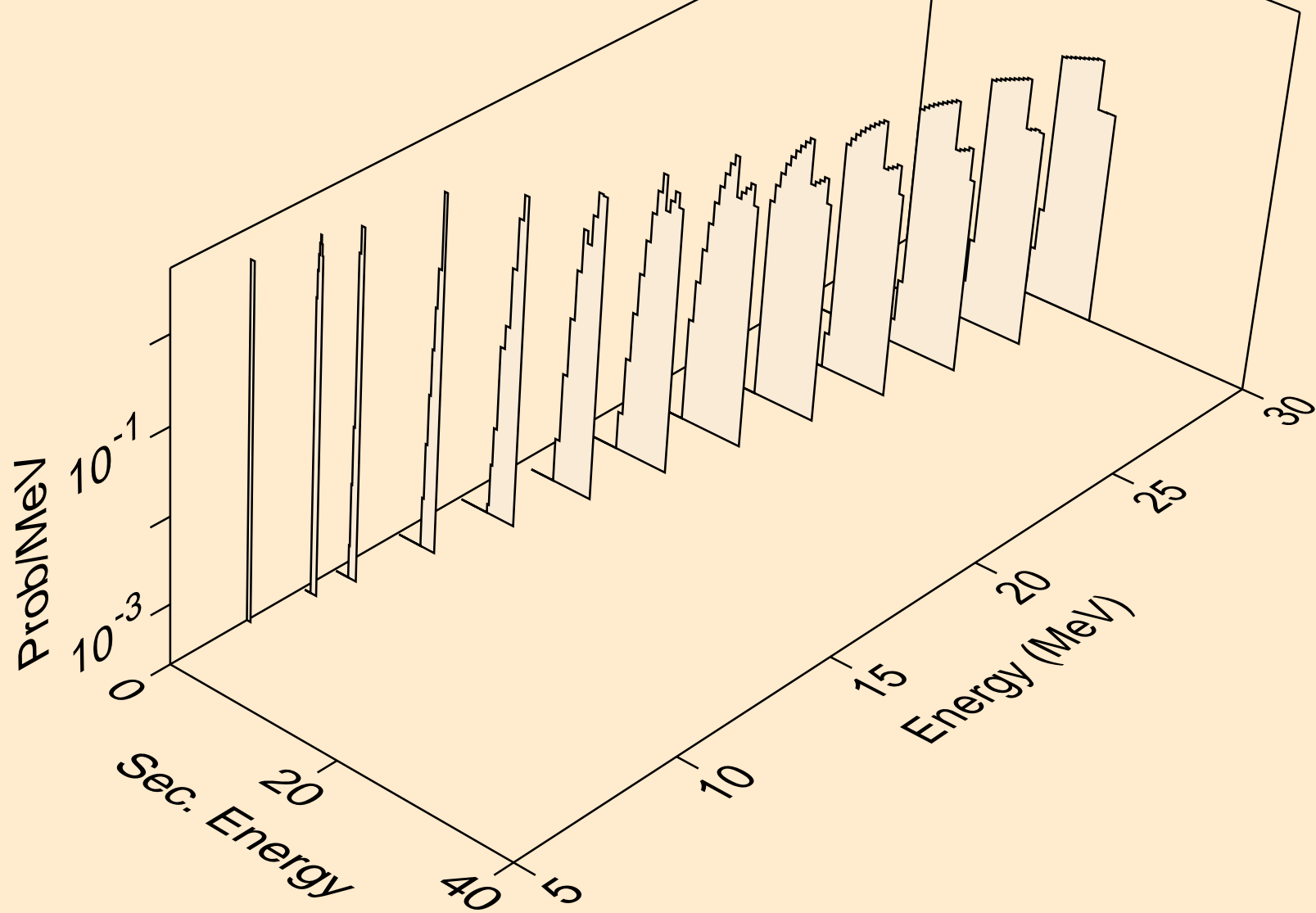
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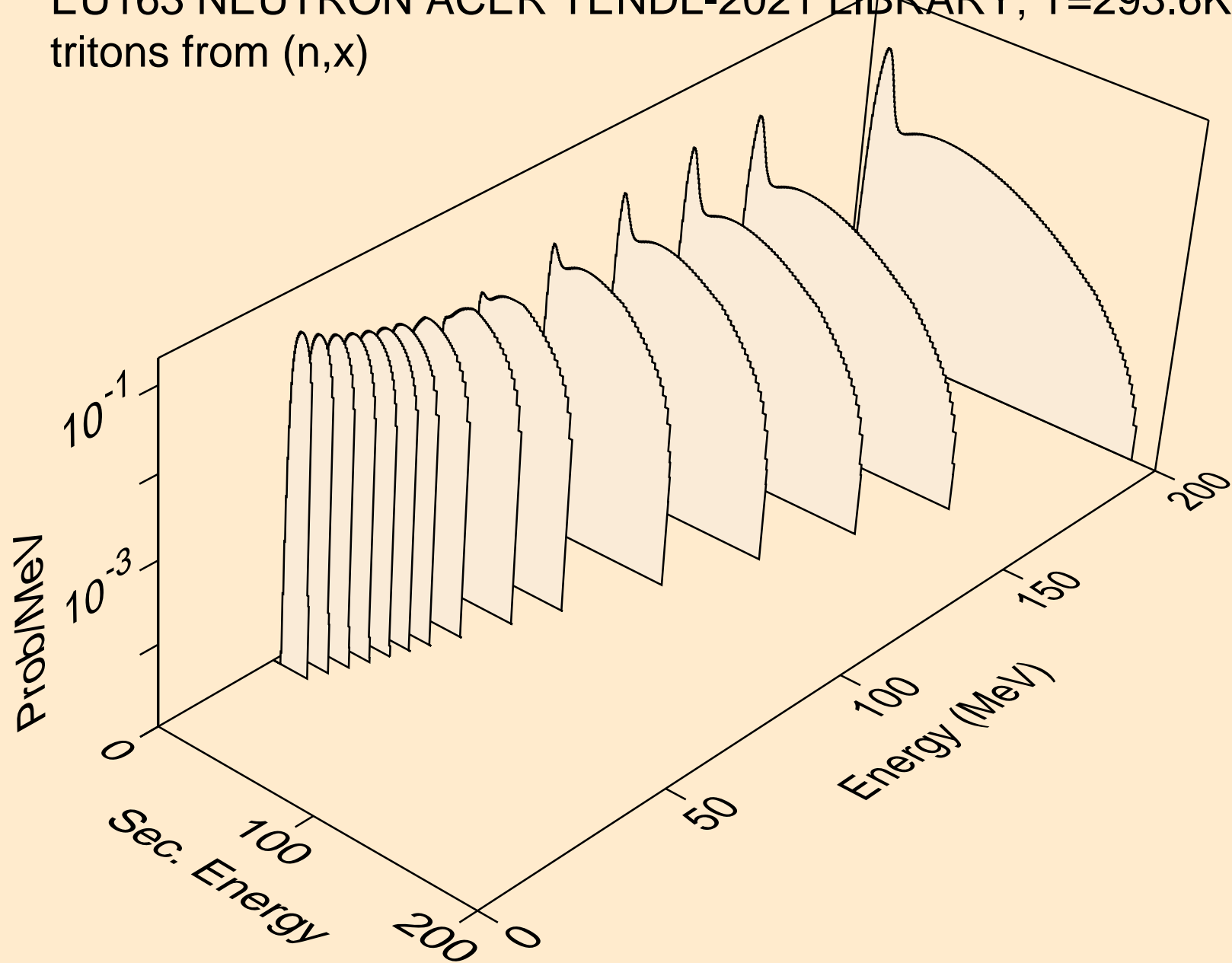
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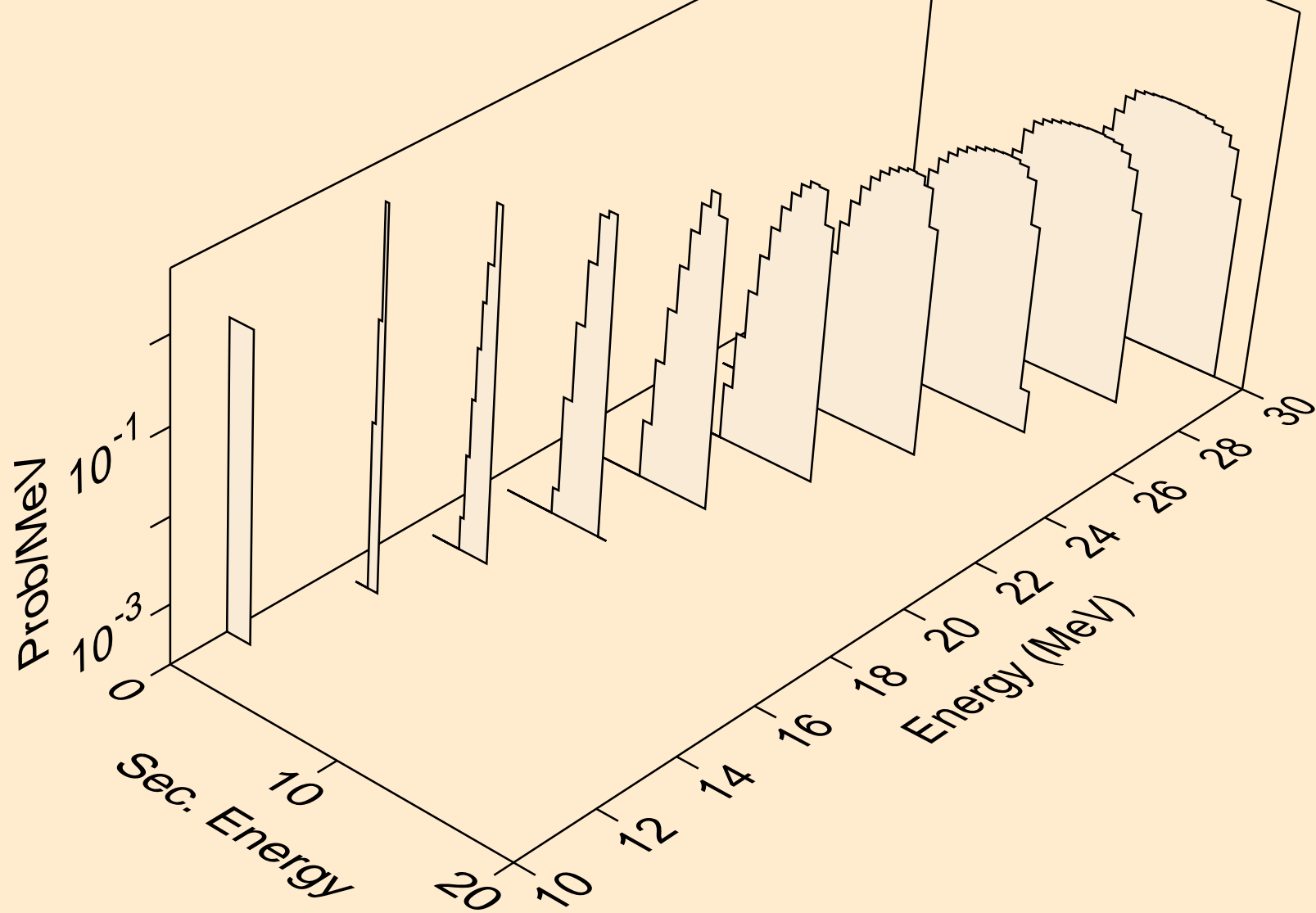
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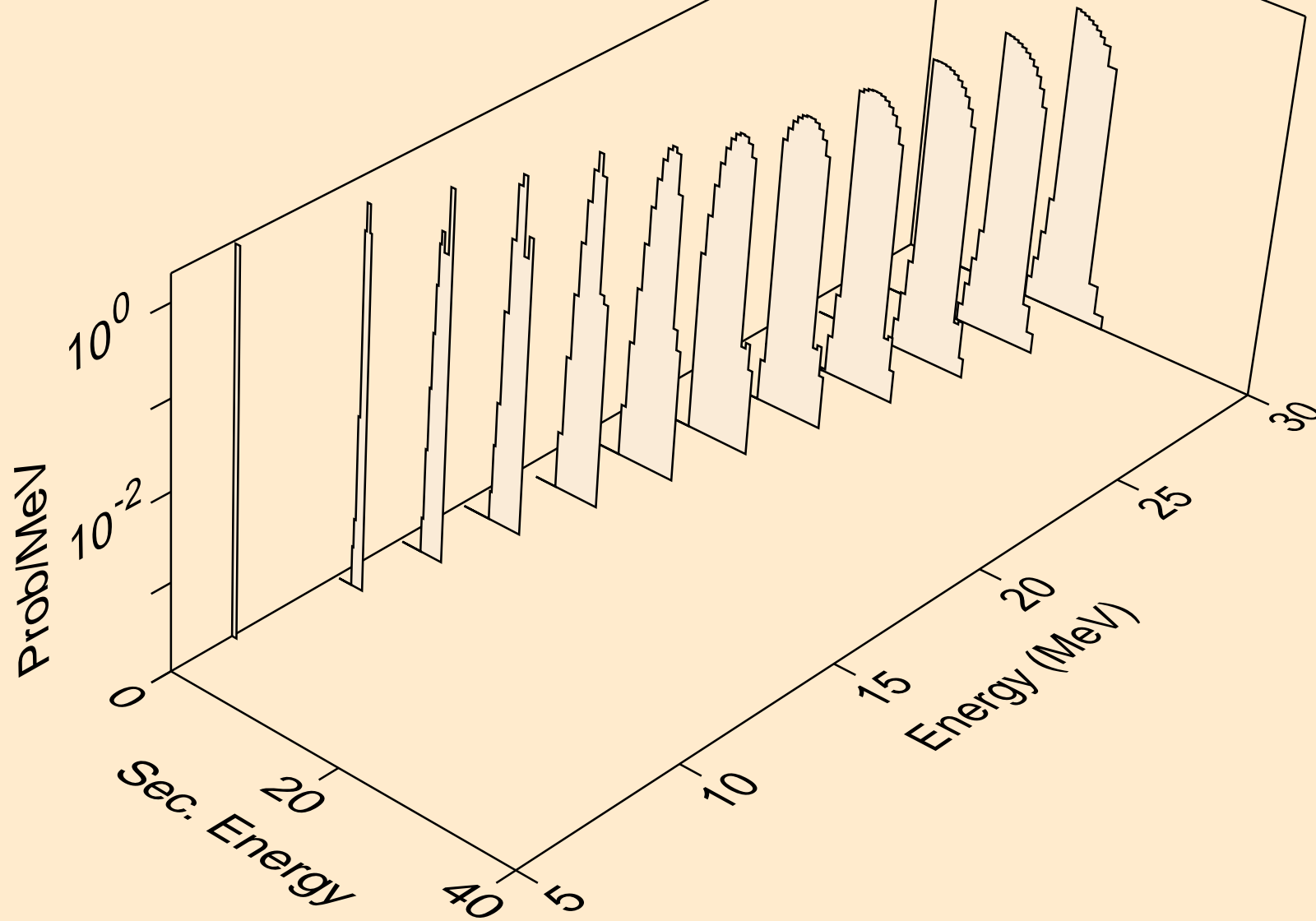
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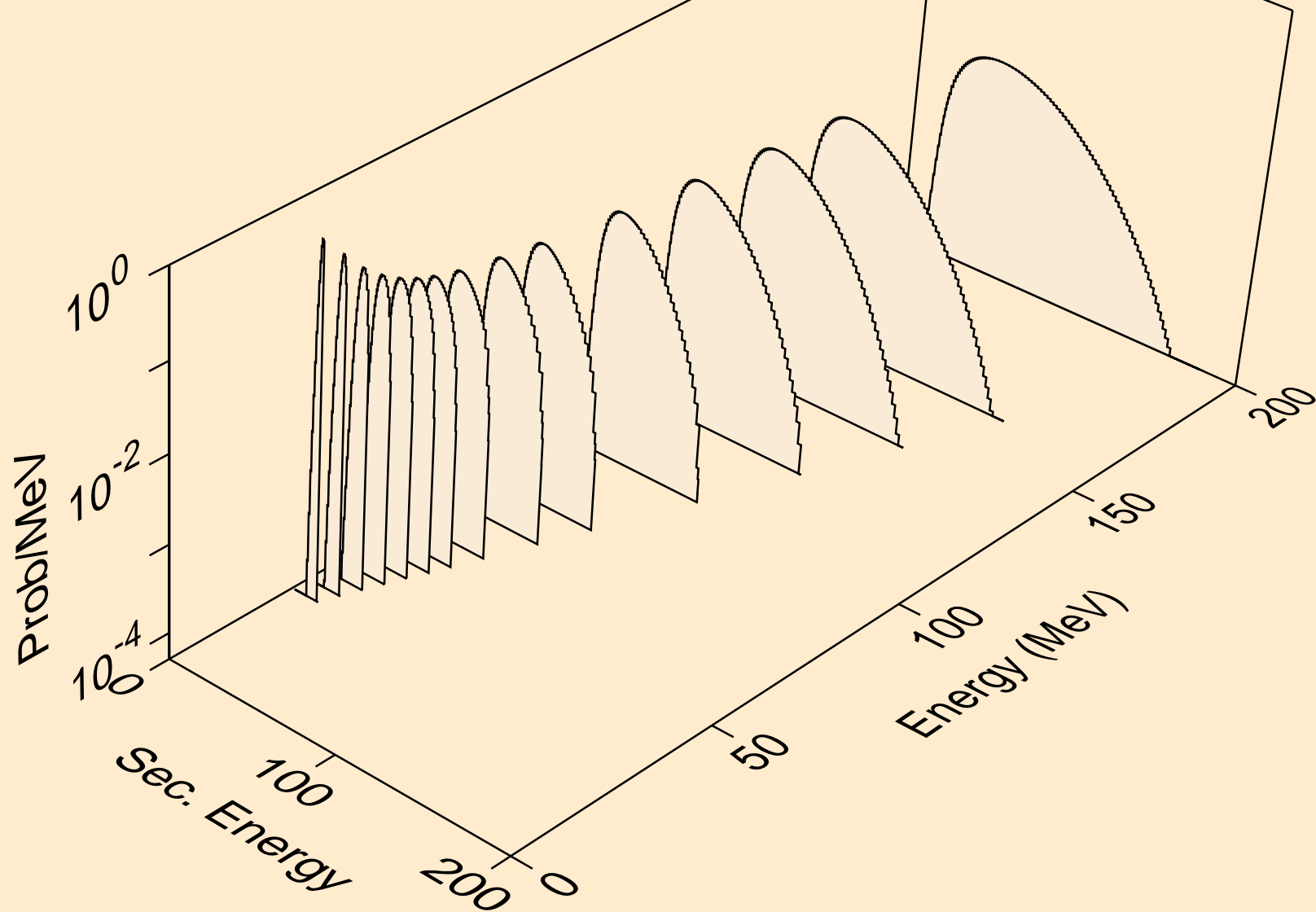
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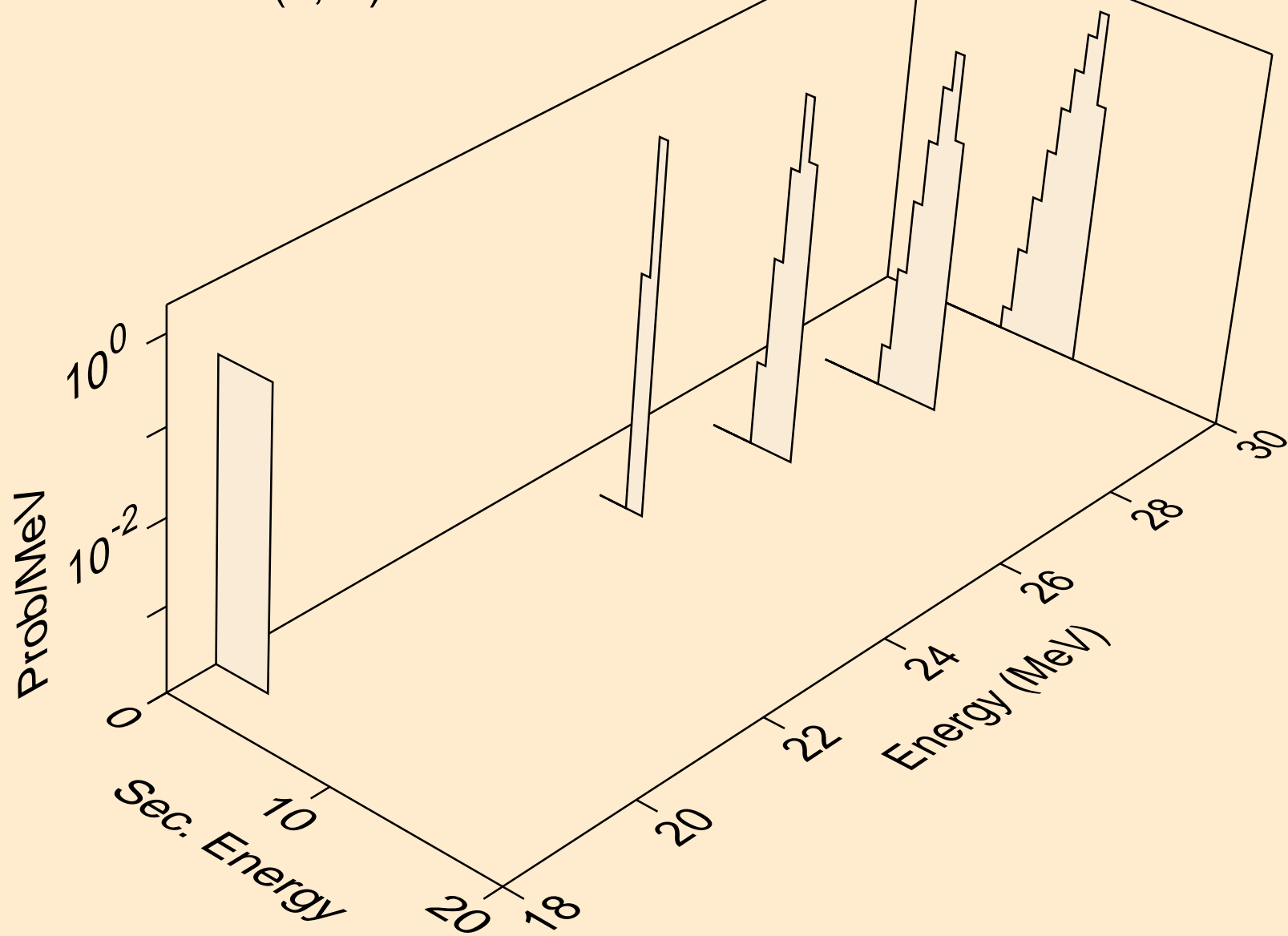
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EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

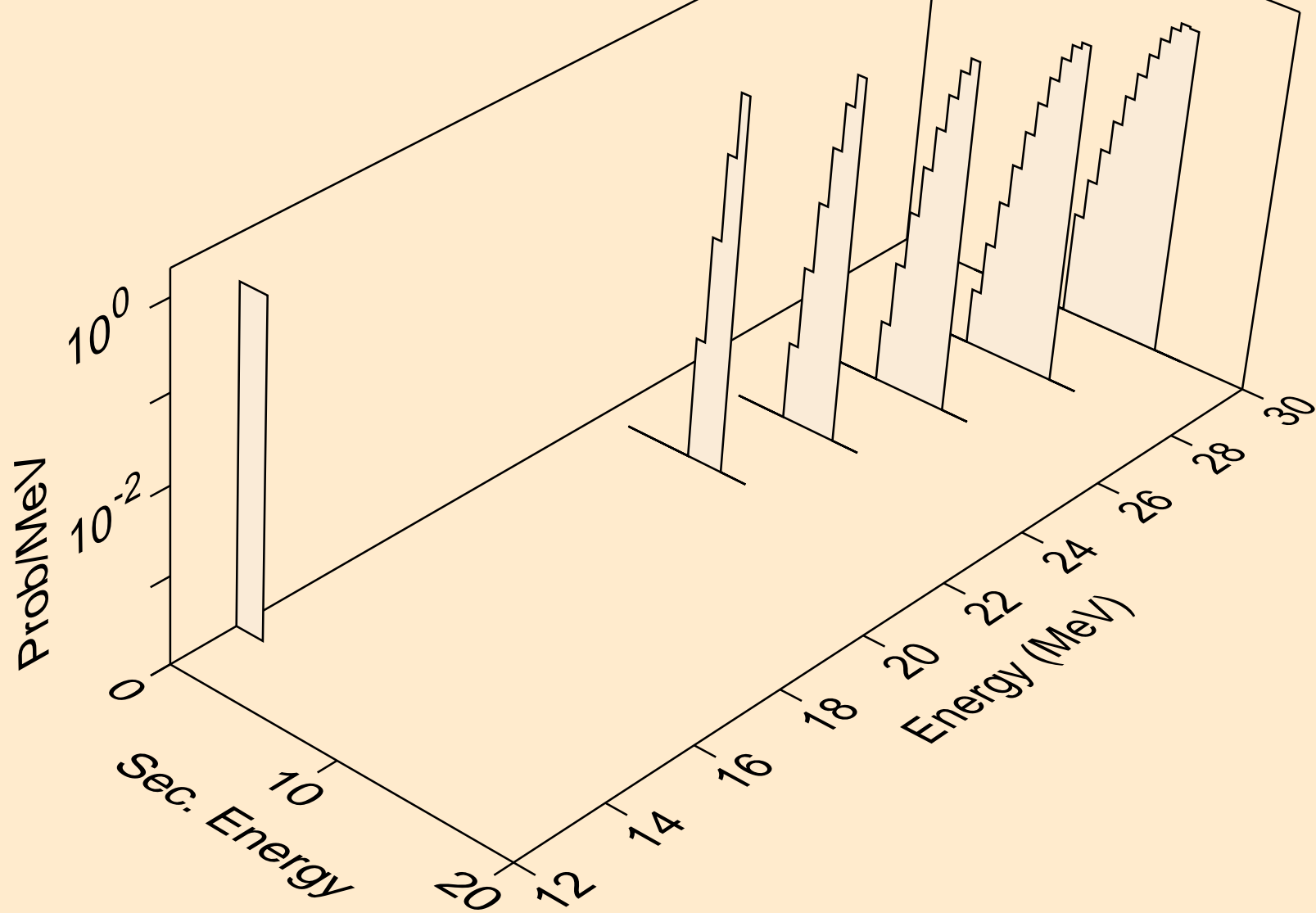


EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

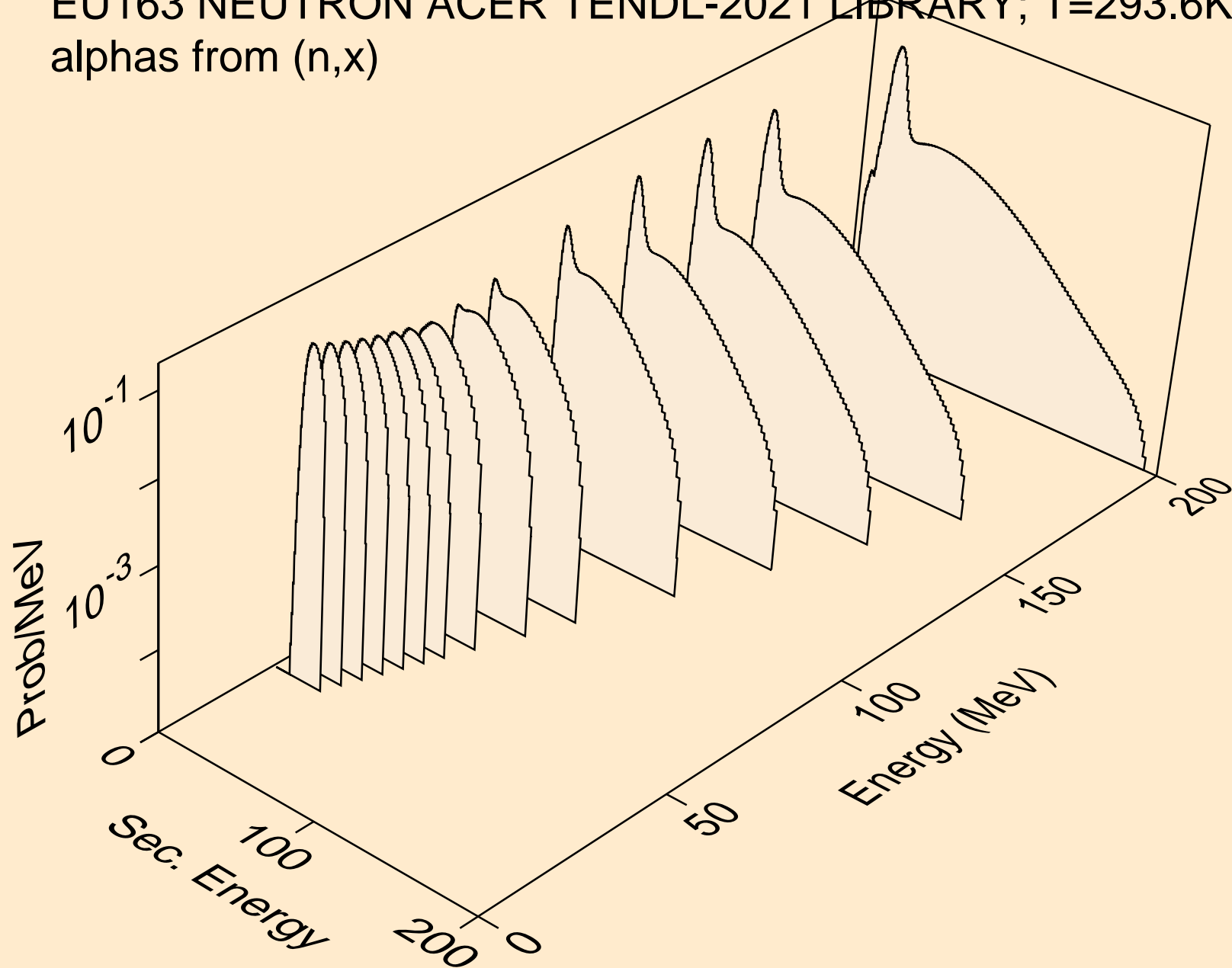




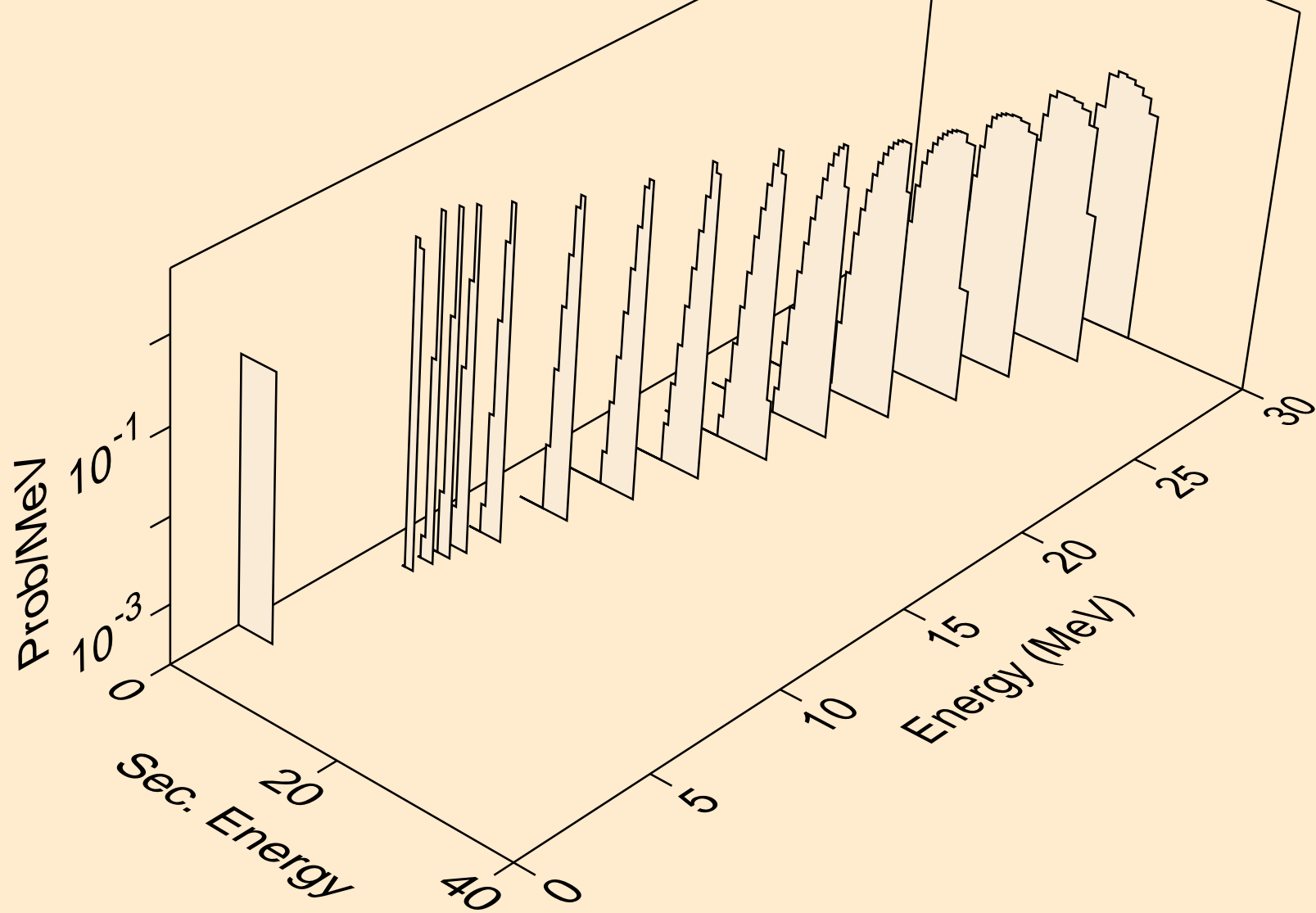
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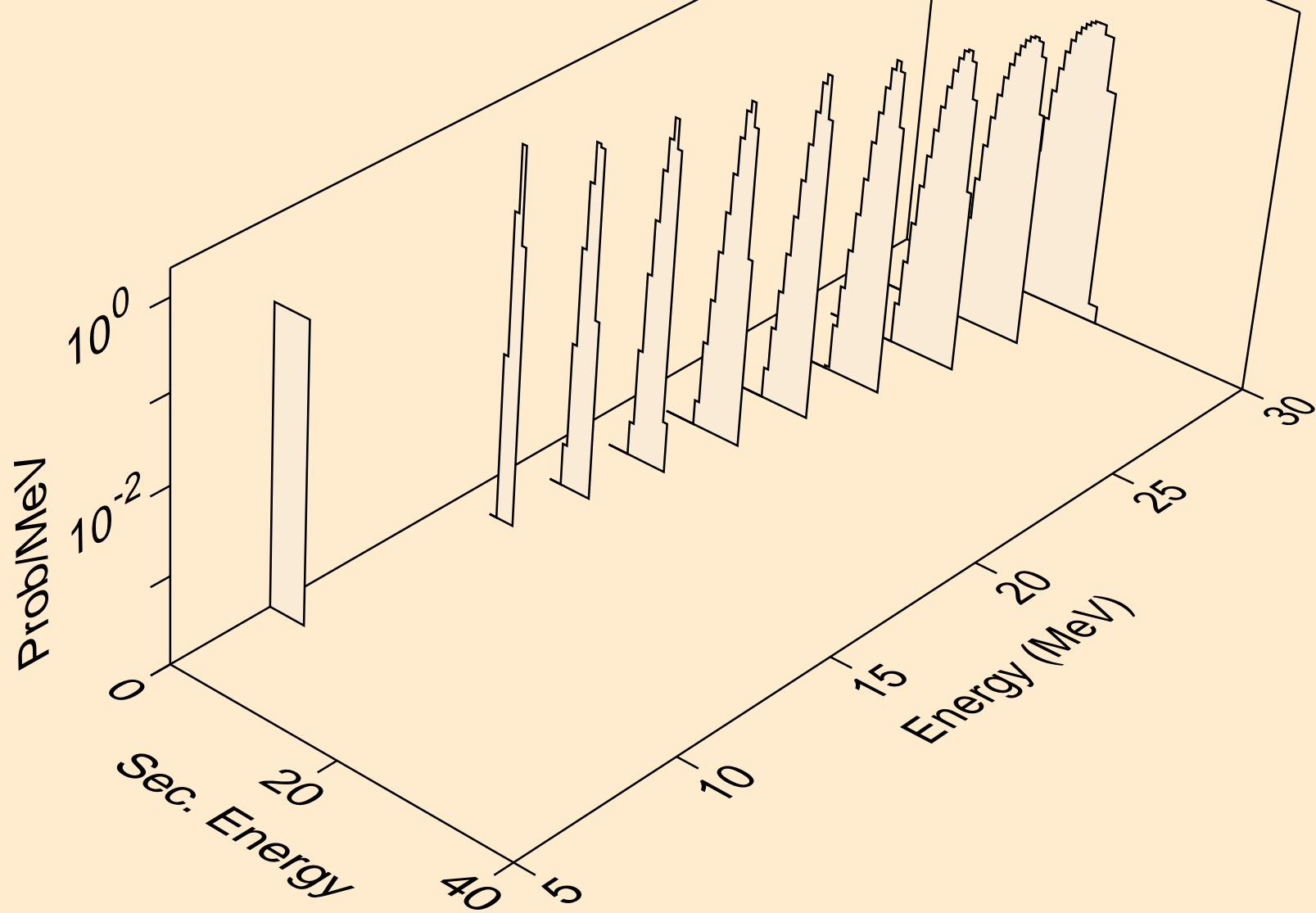
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alphas from (n,x)



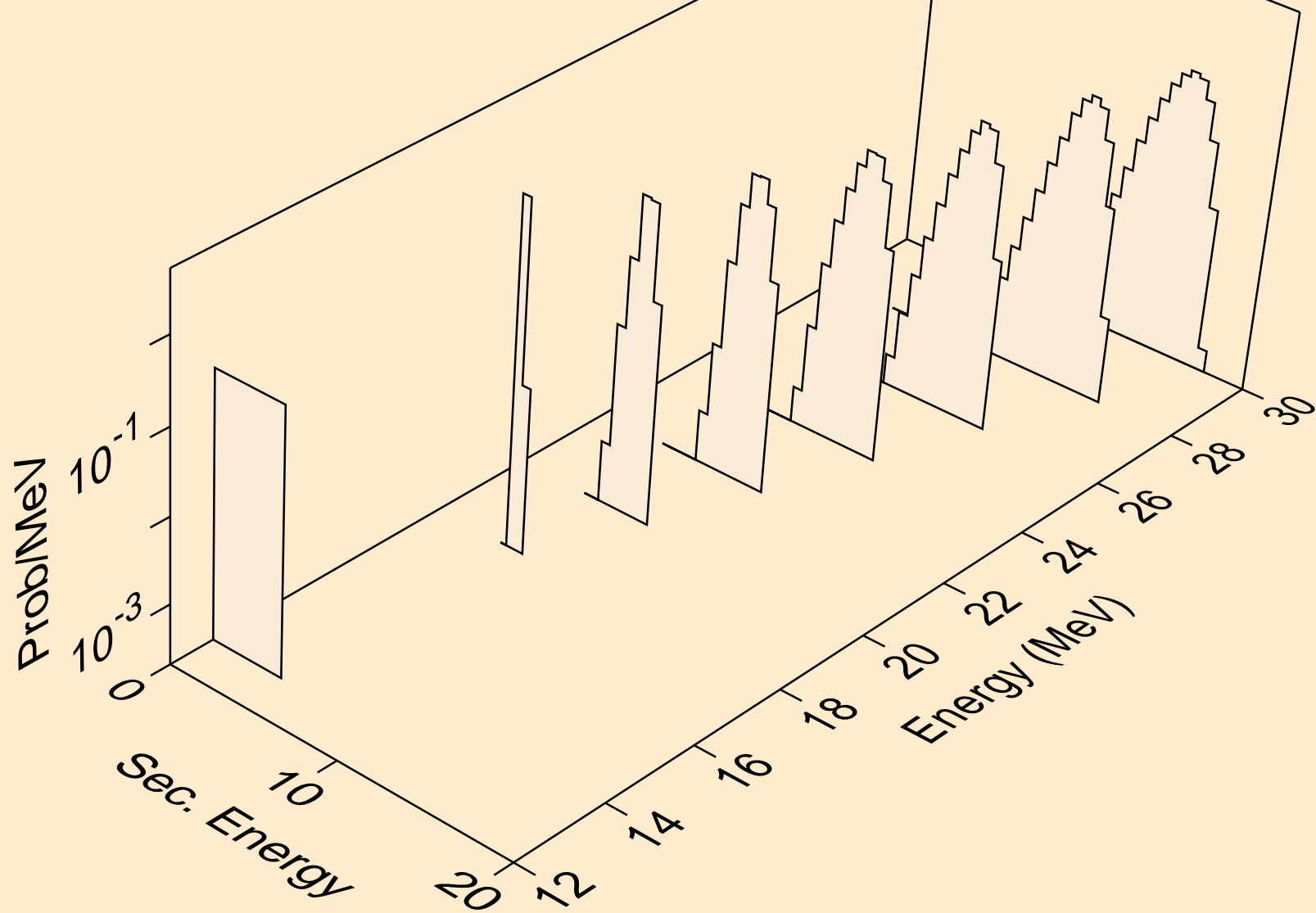
EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



EU163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

