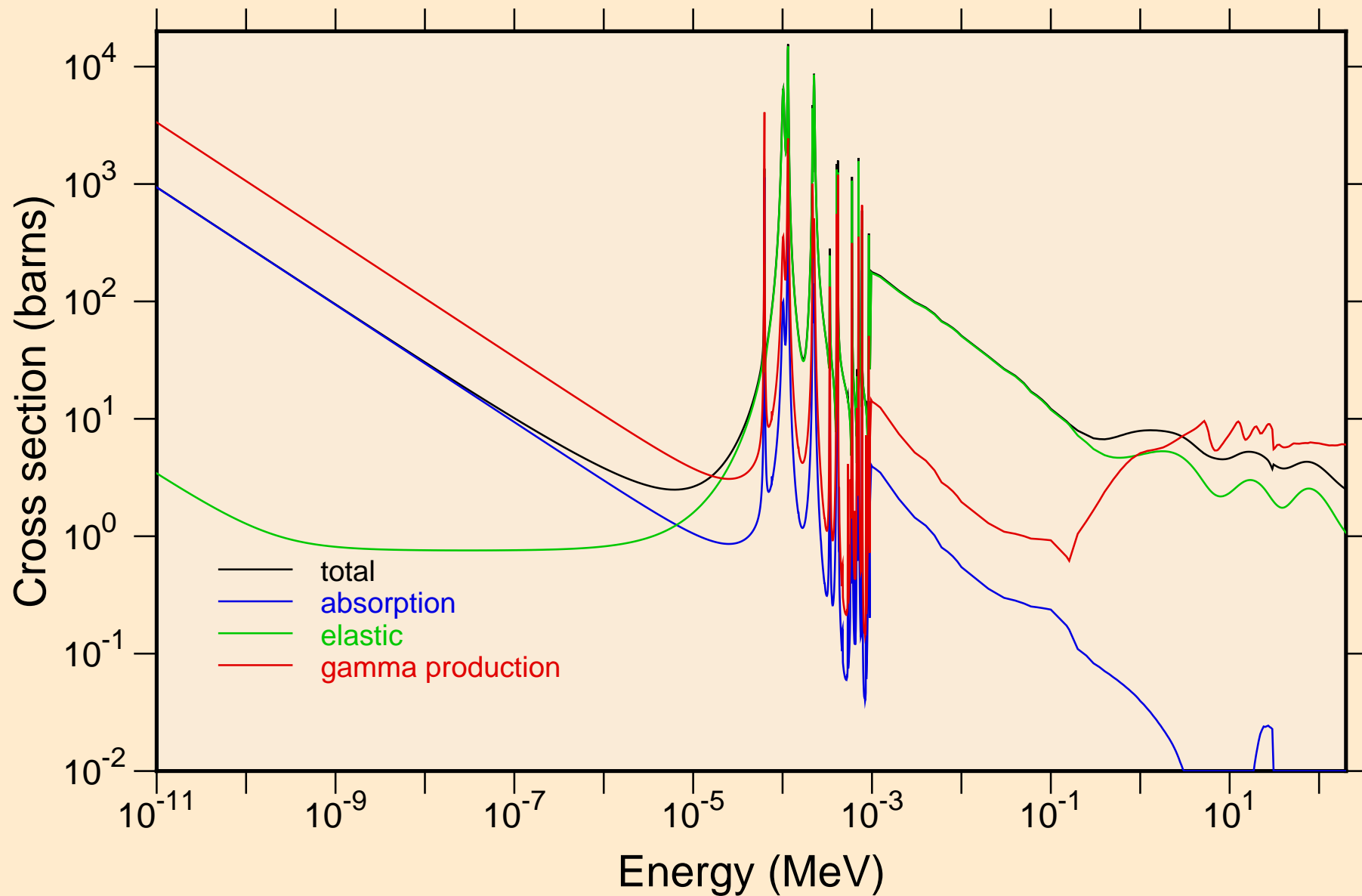
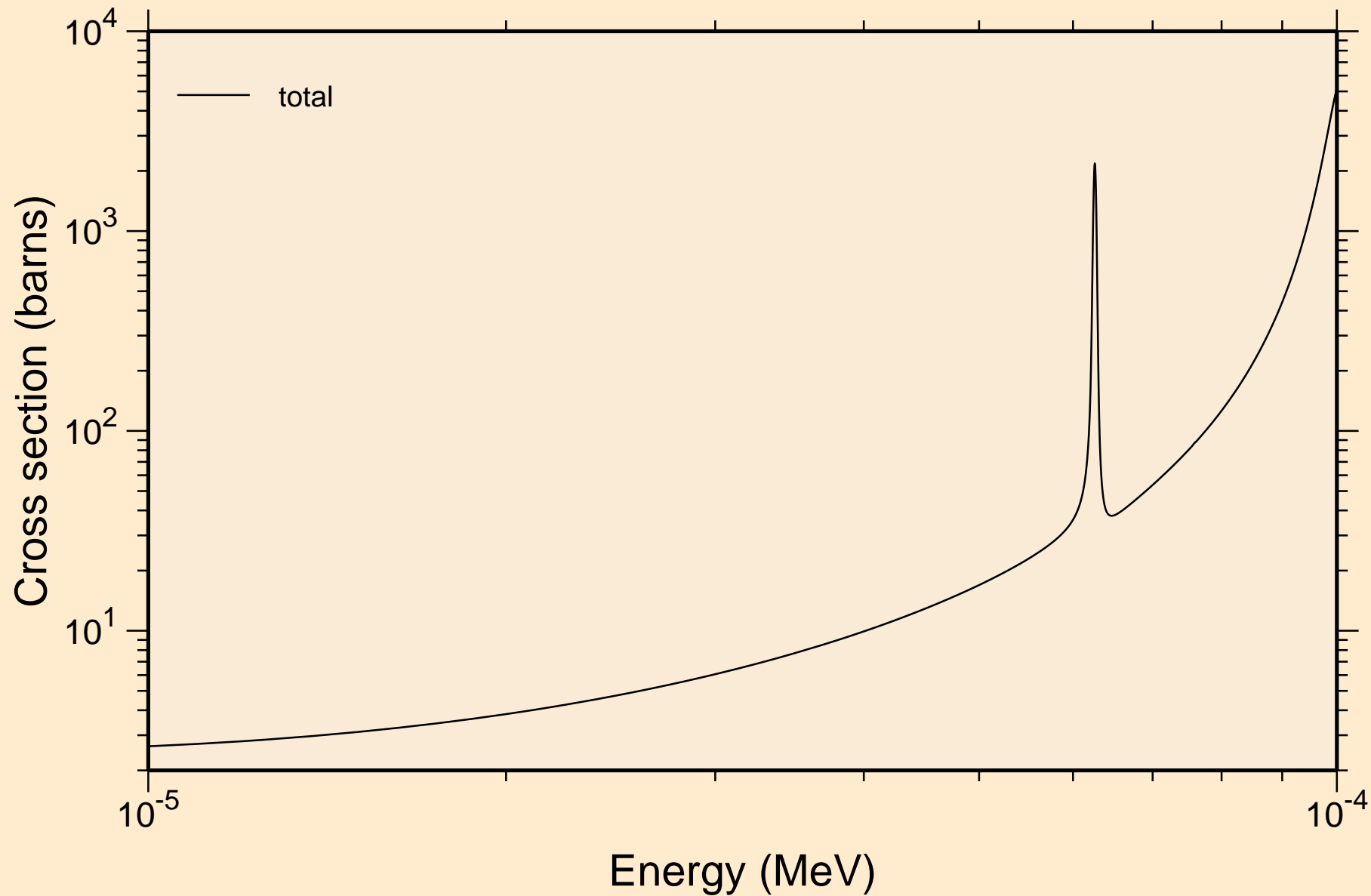


# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

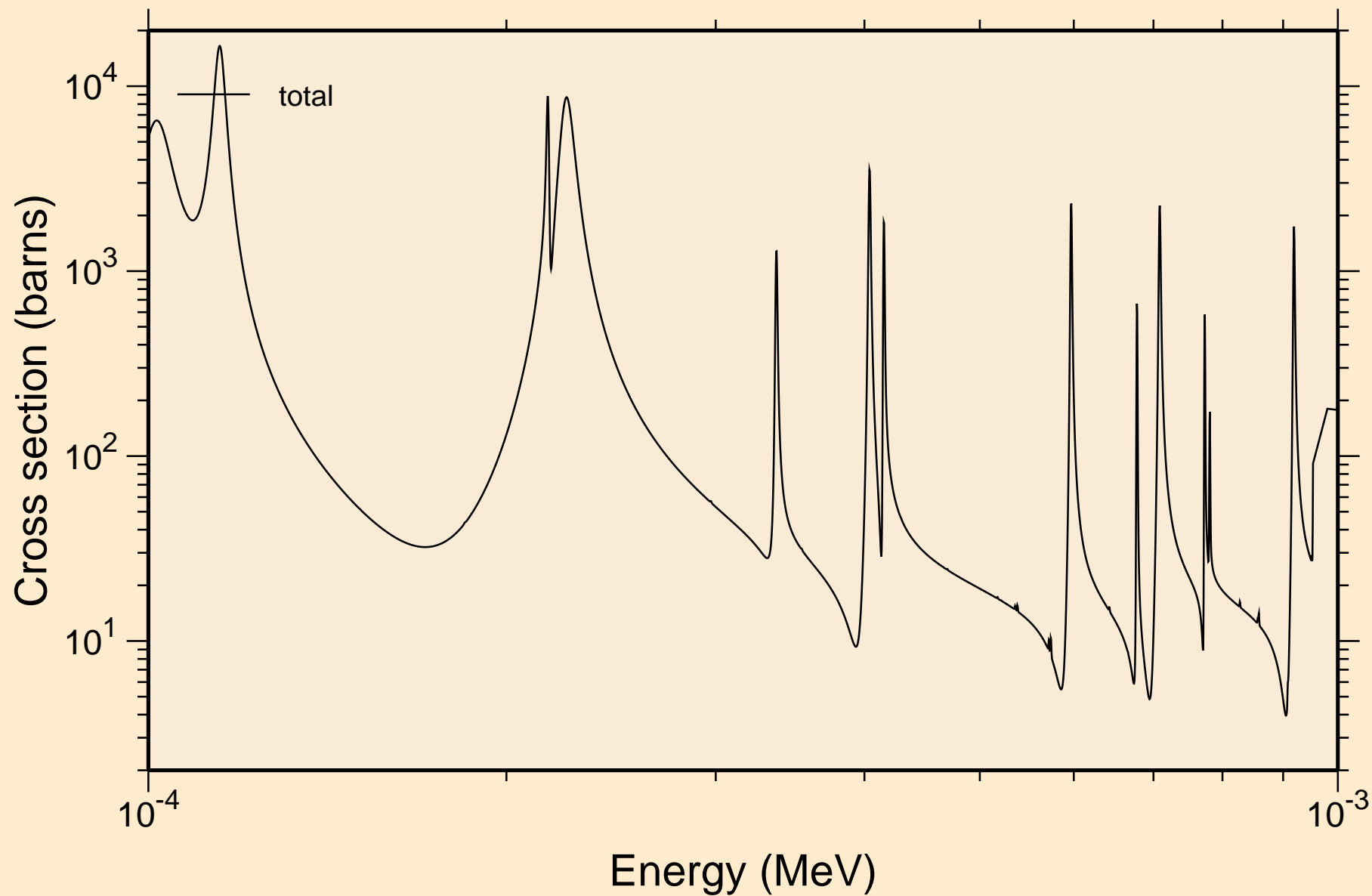
## Principal cross sections



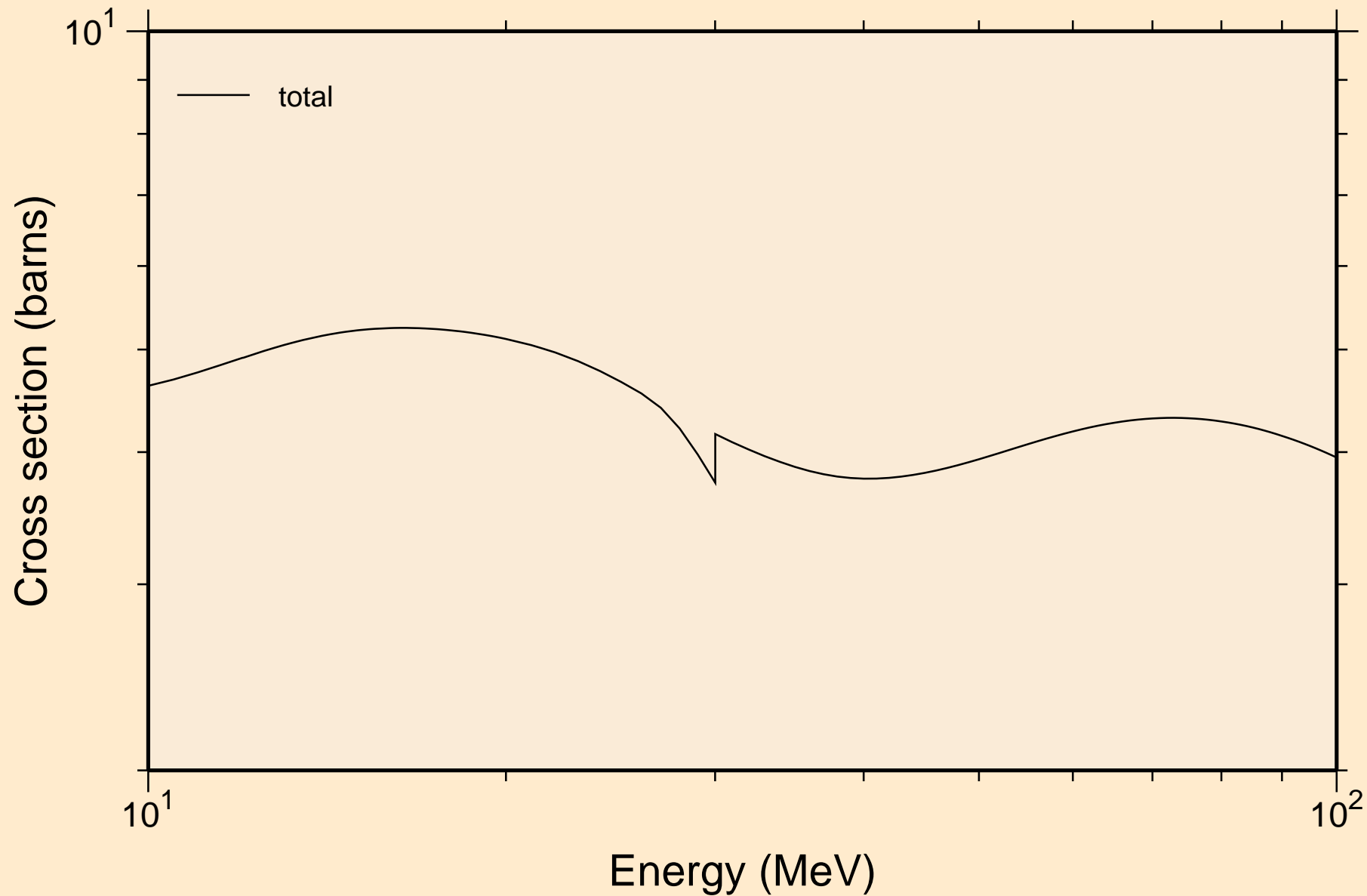
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



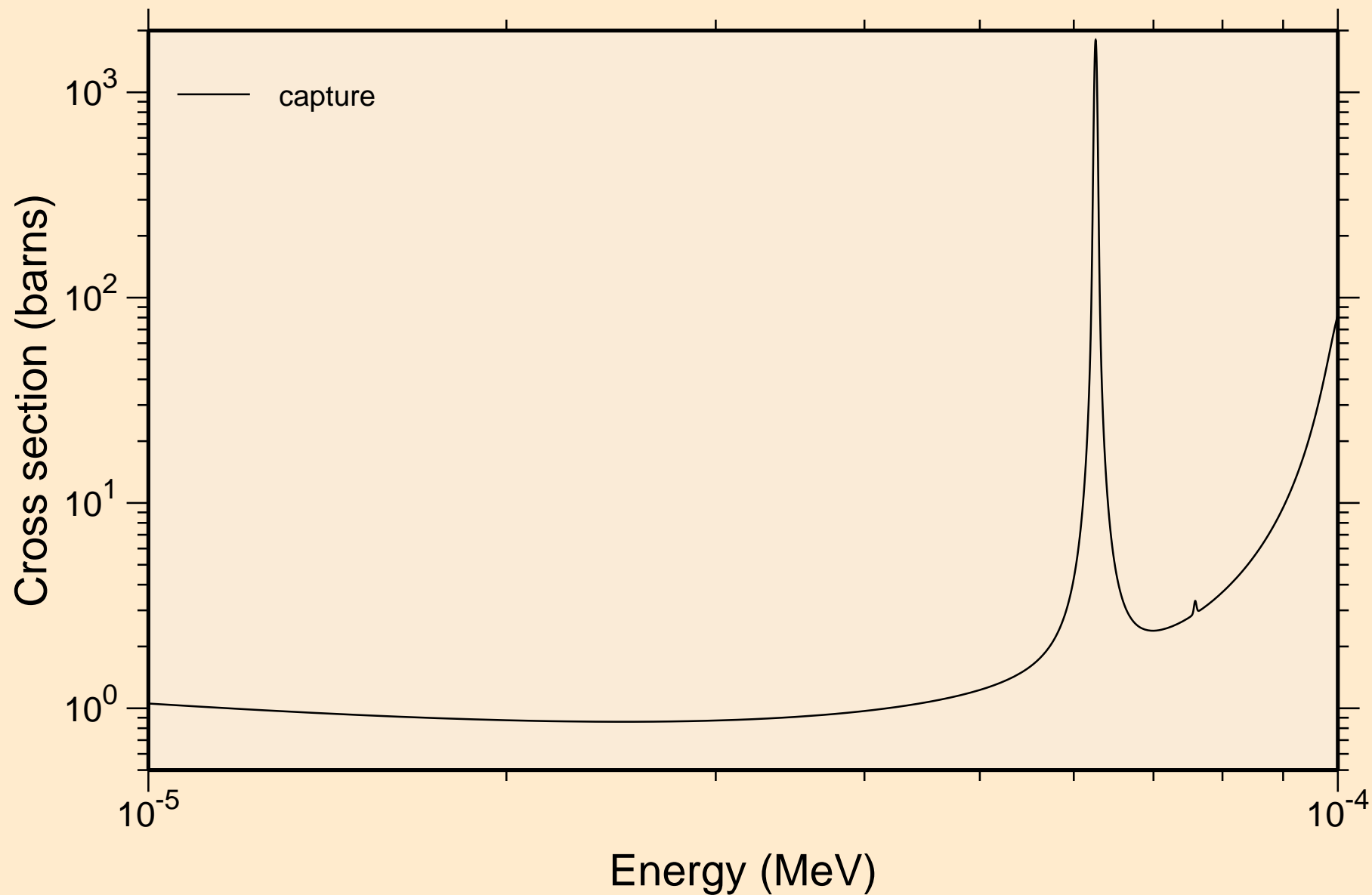
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resonance total cross section



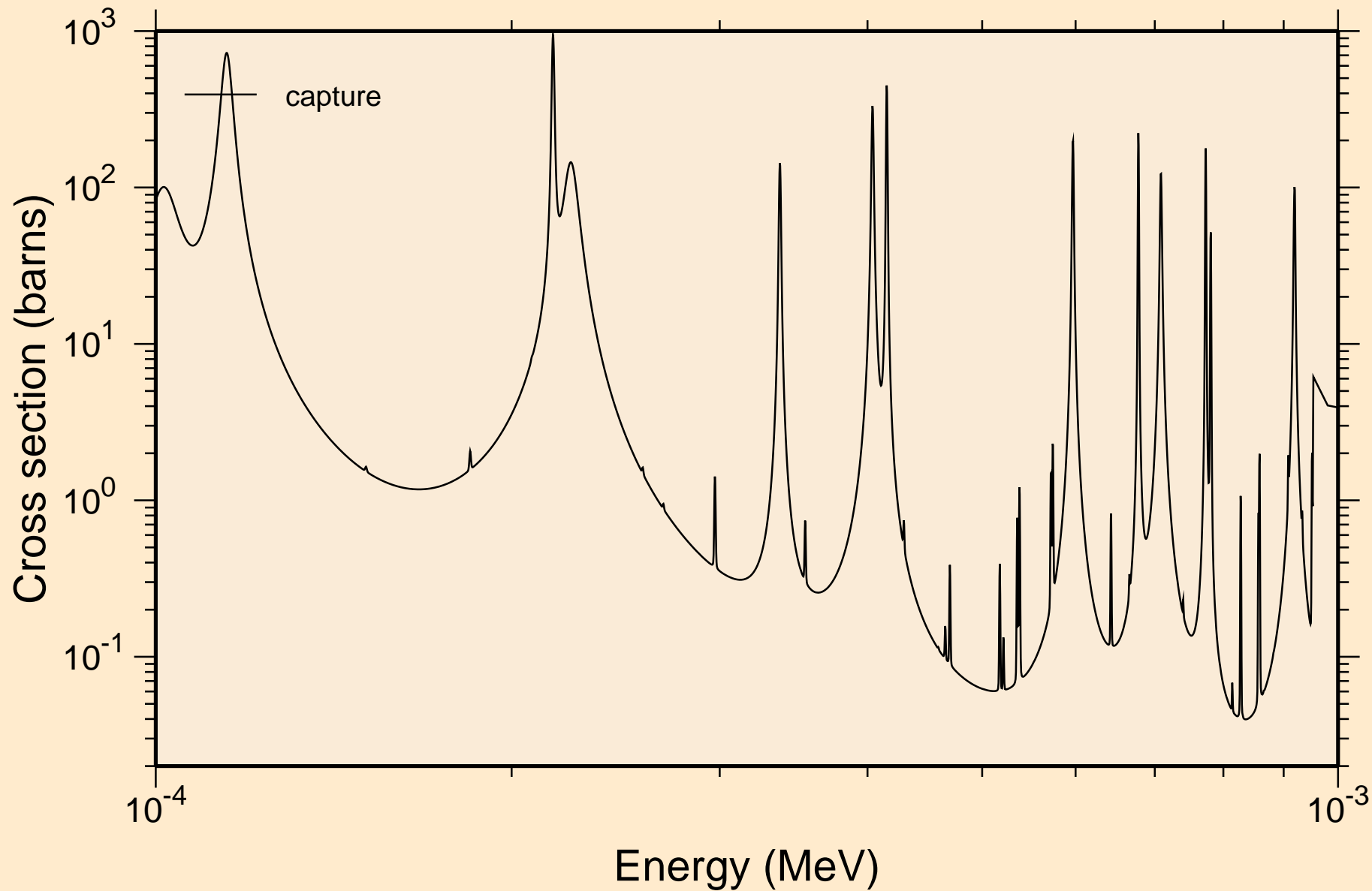
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resonance total cross section



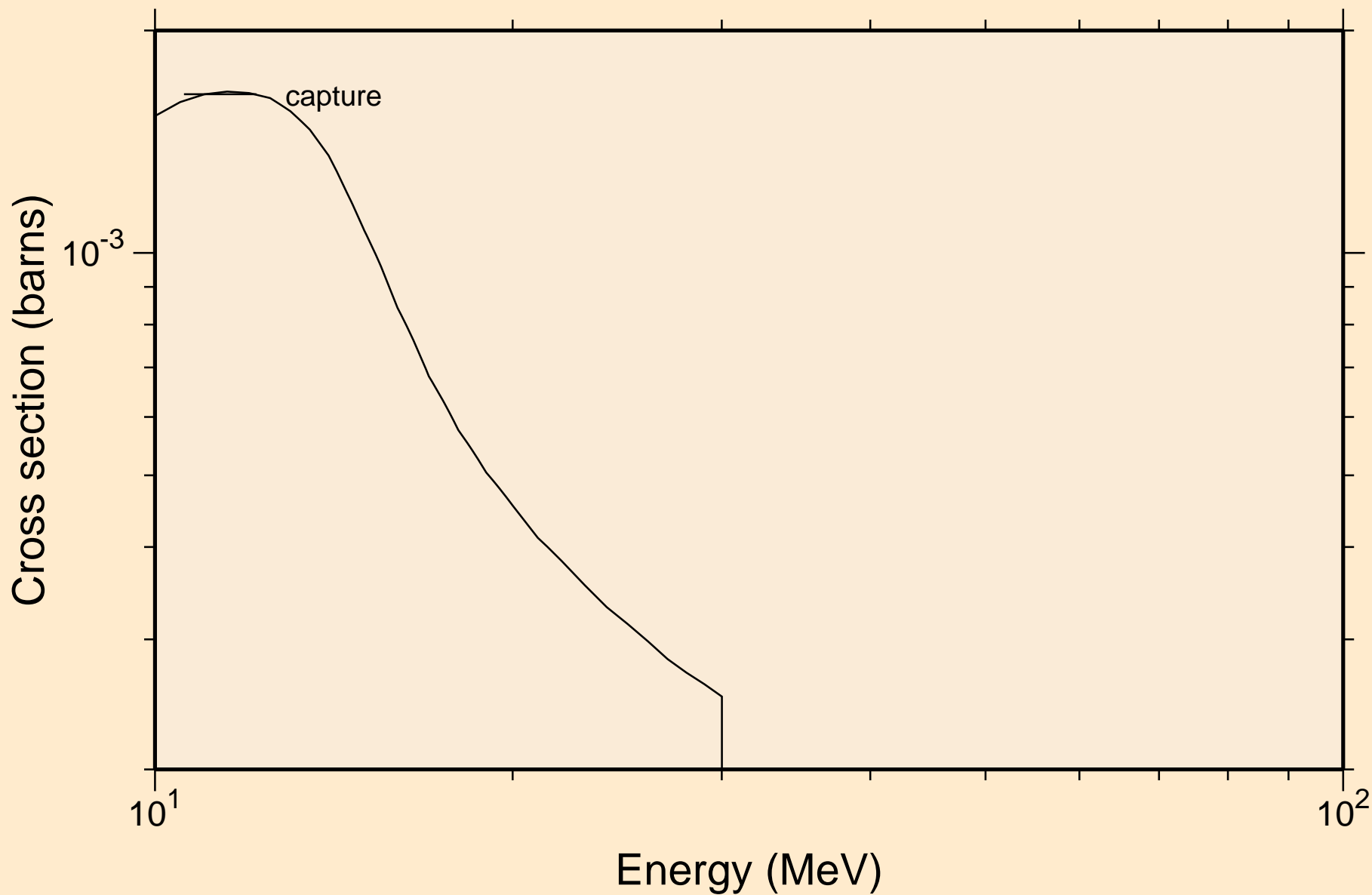
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



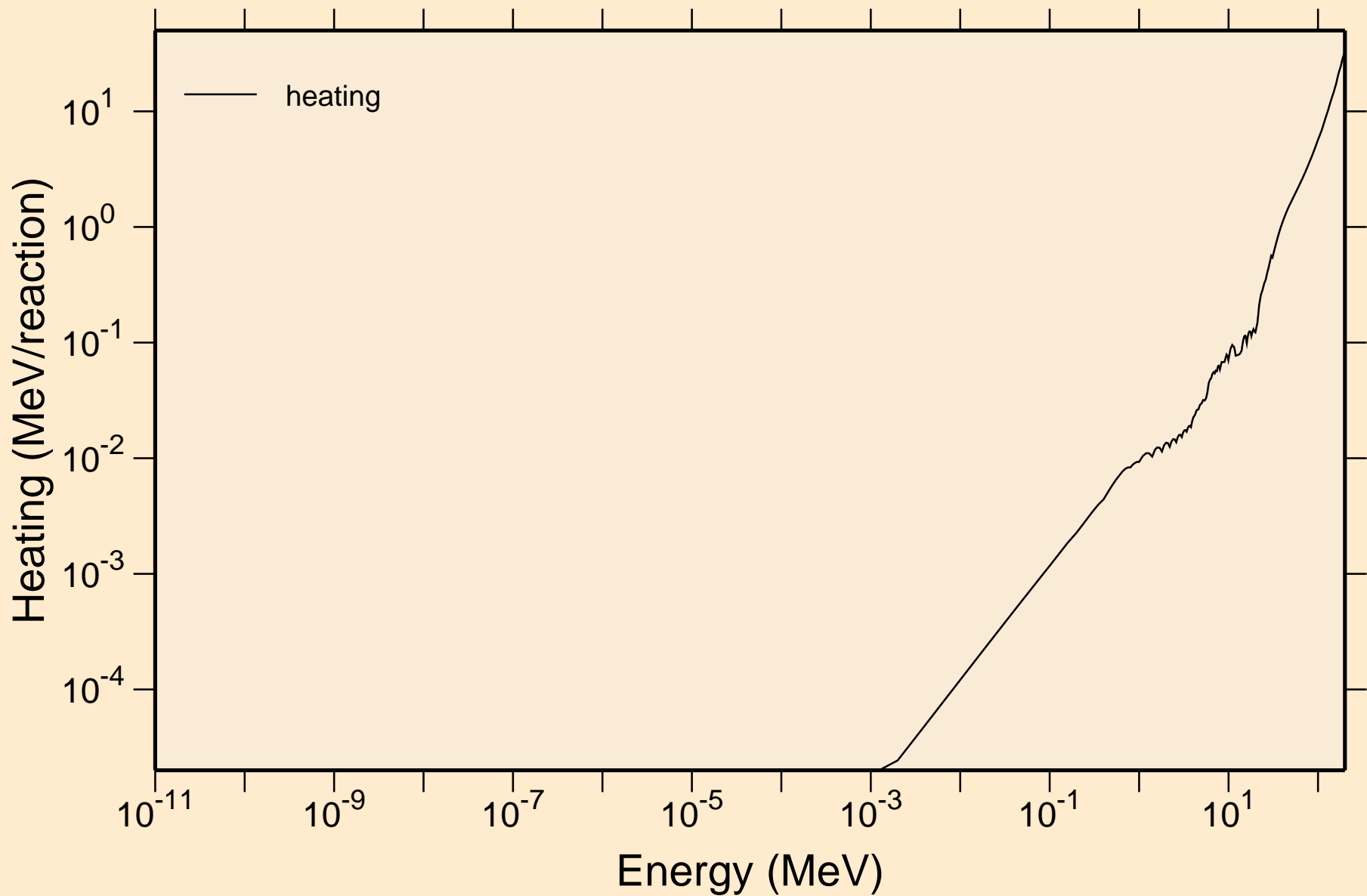
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

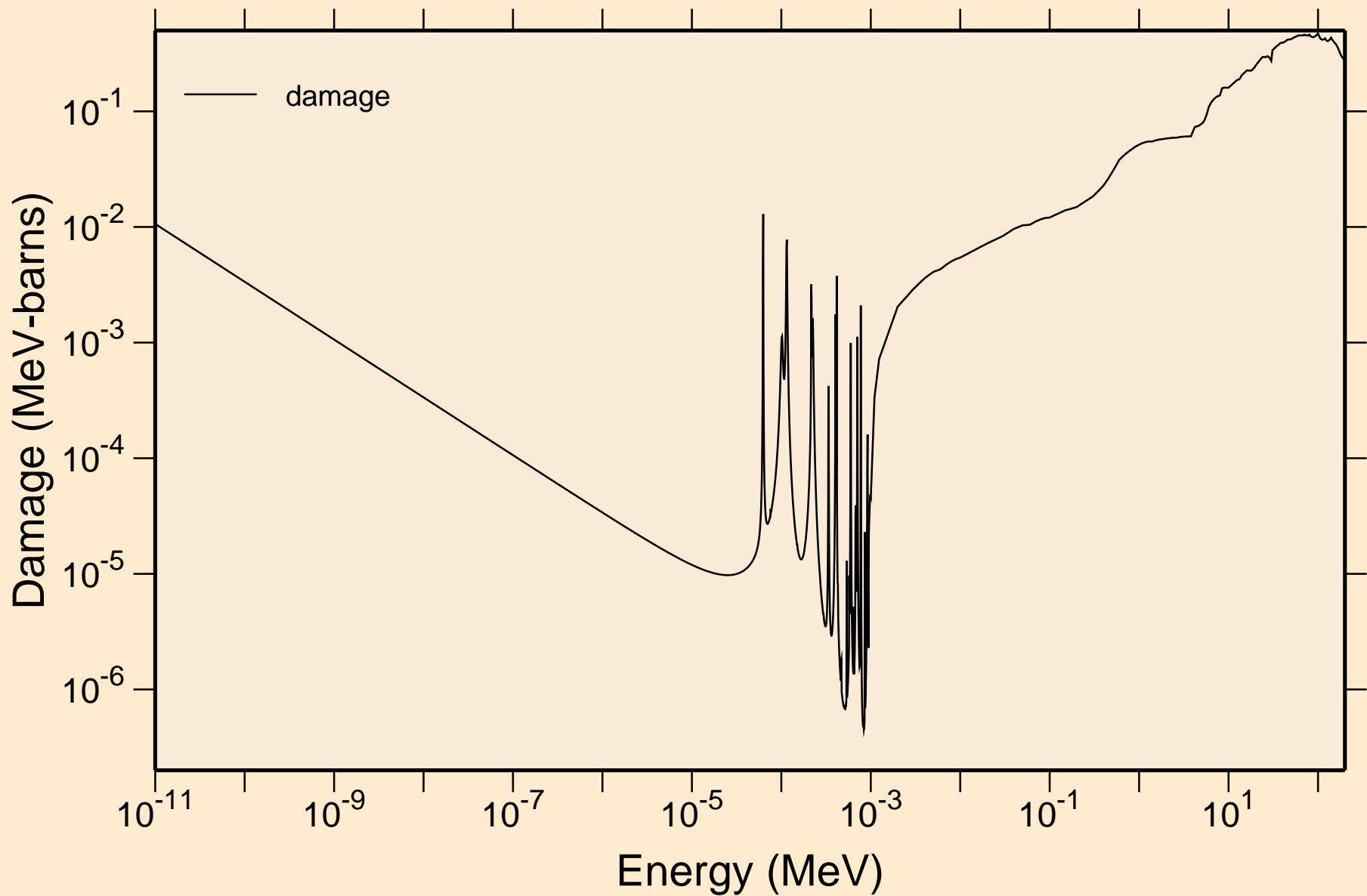


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

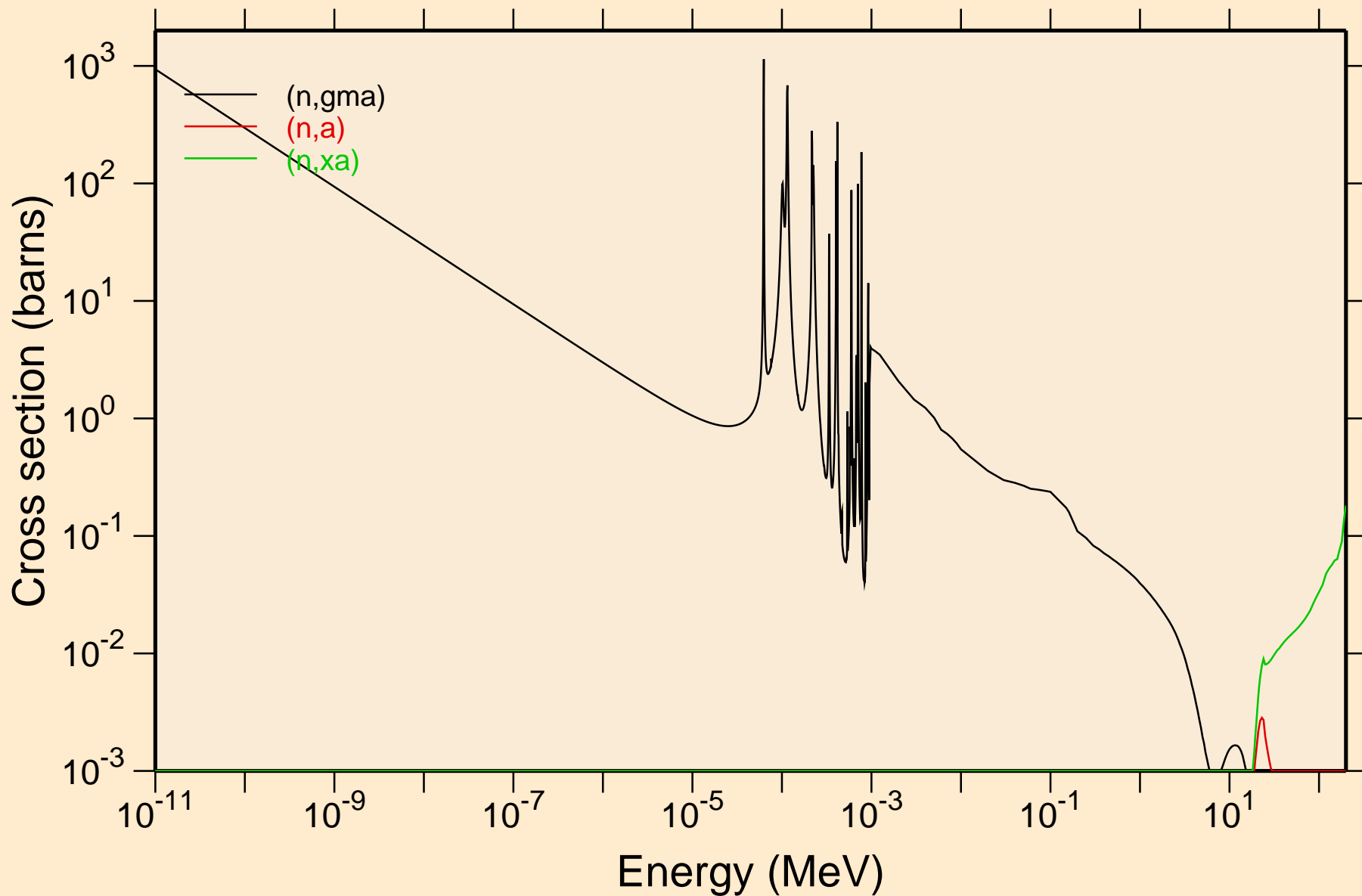




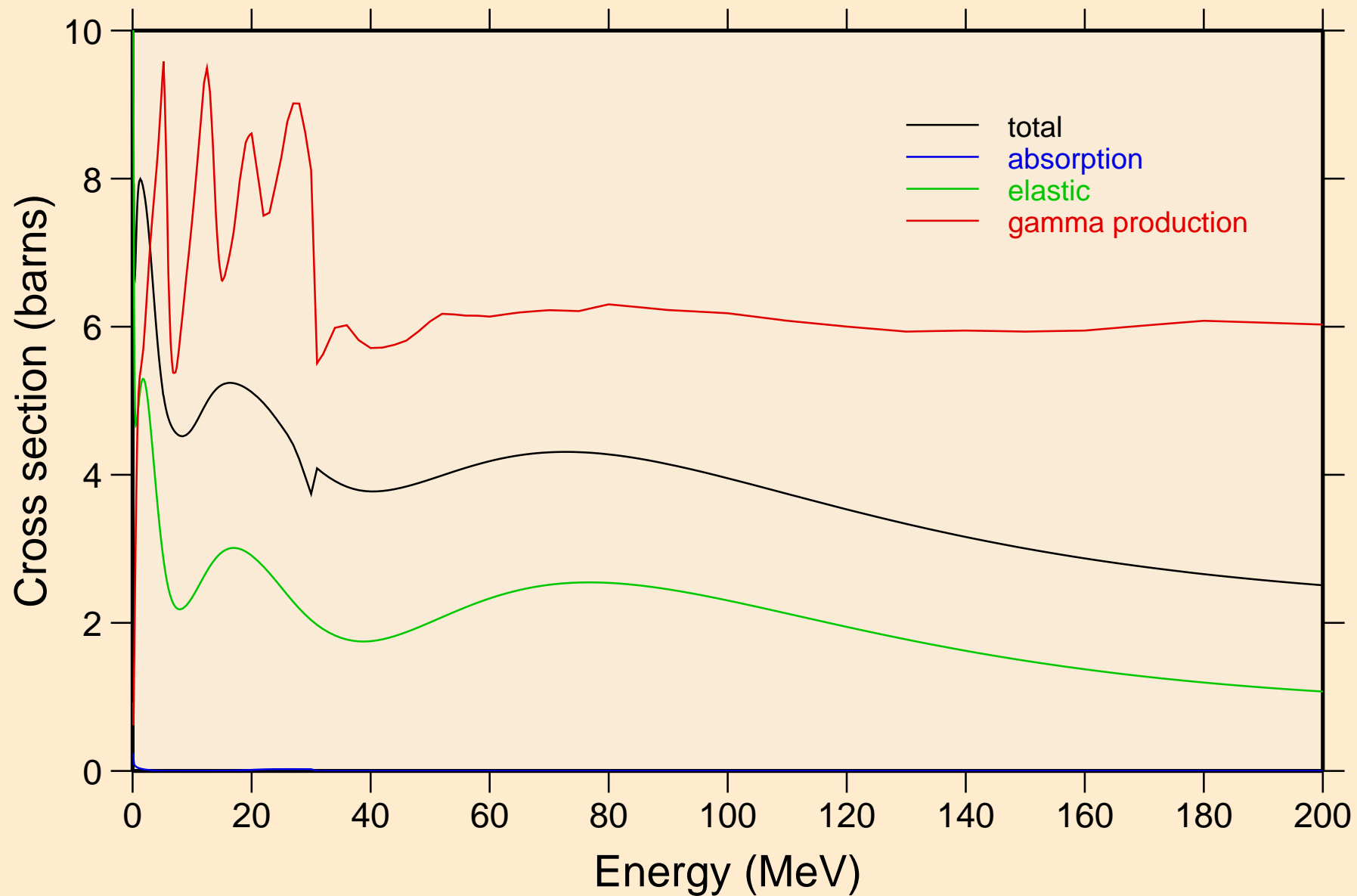
# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



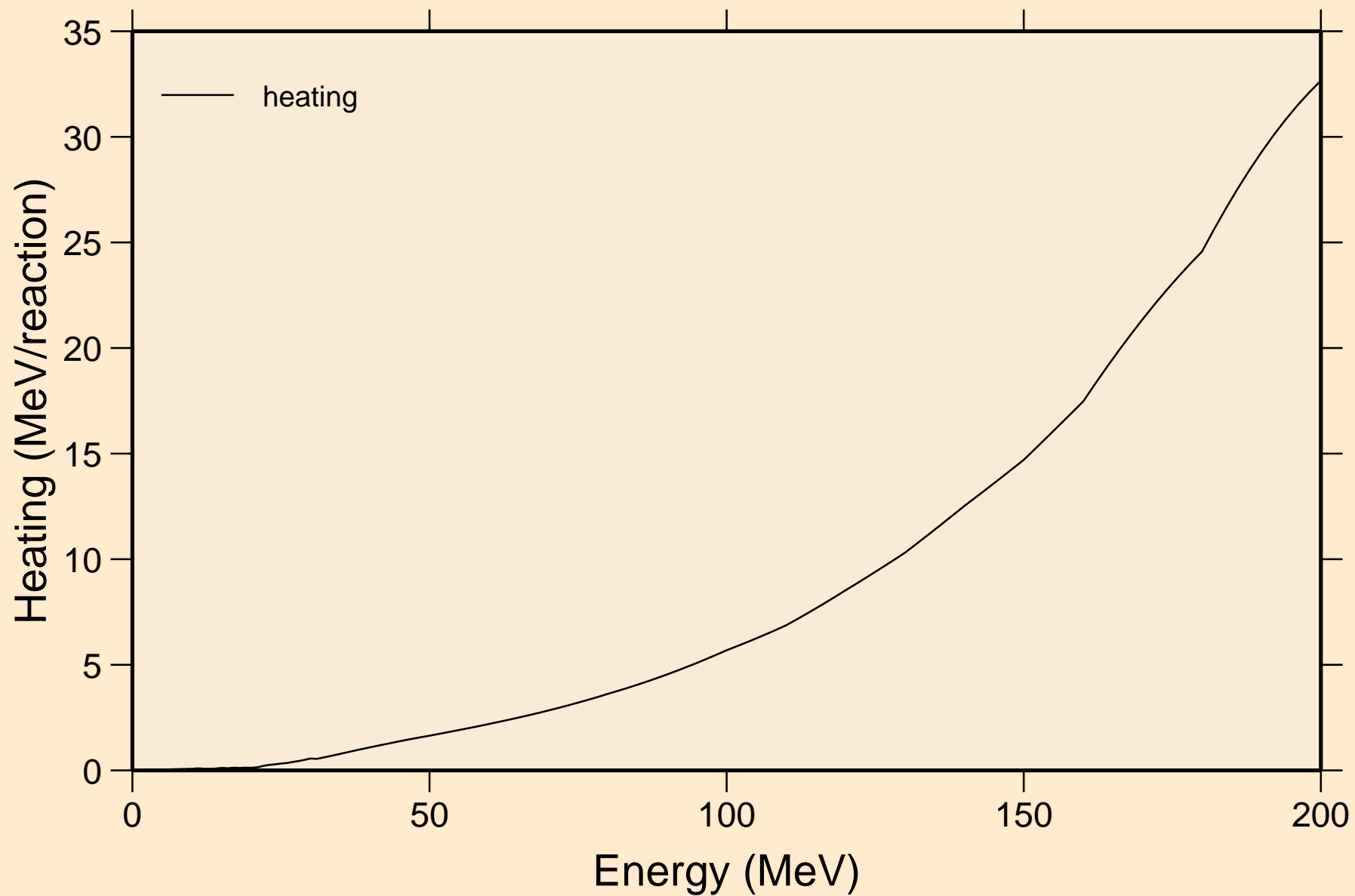
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



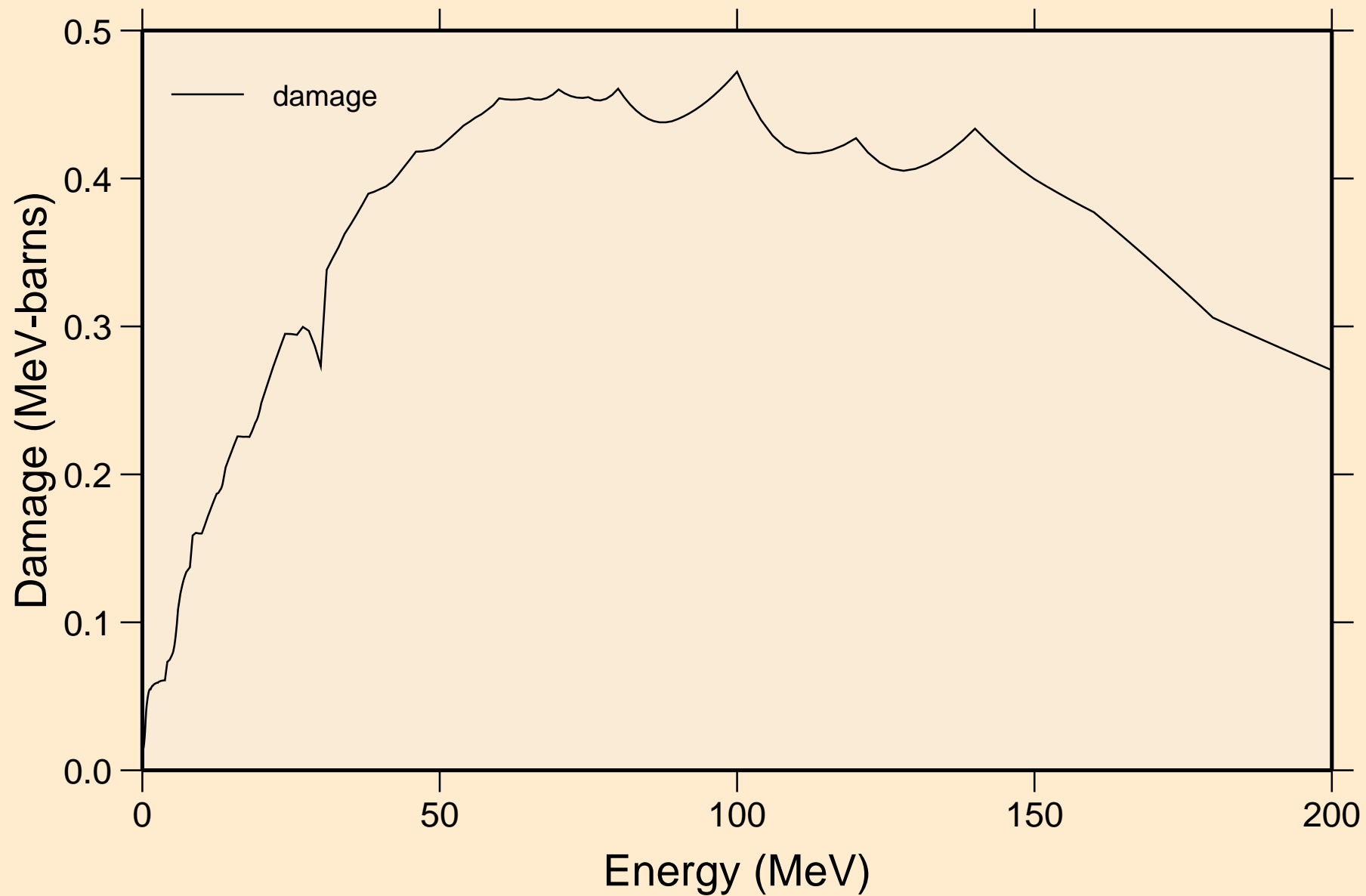
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



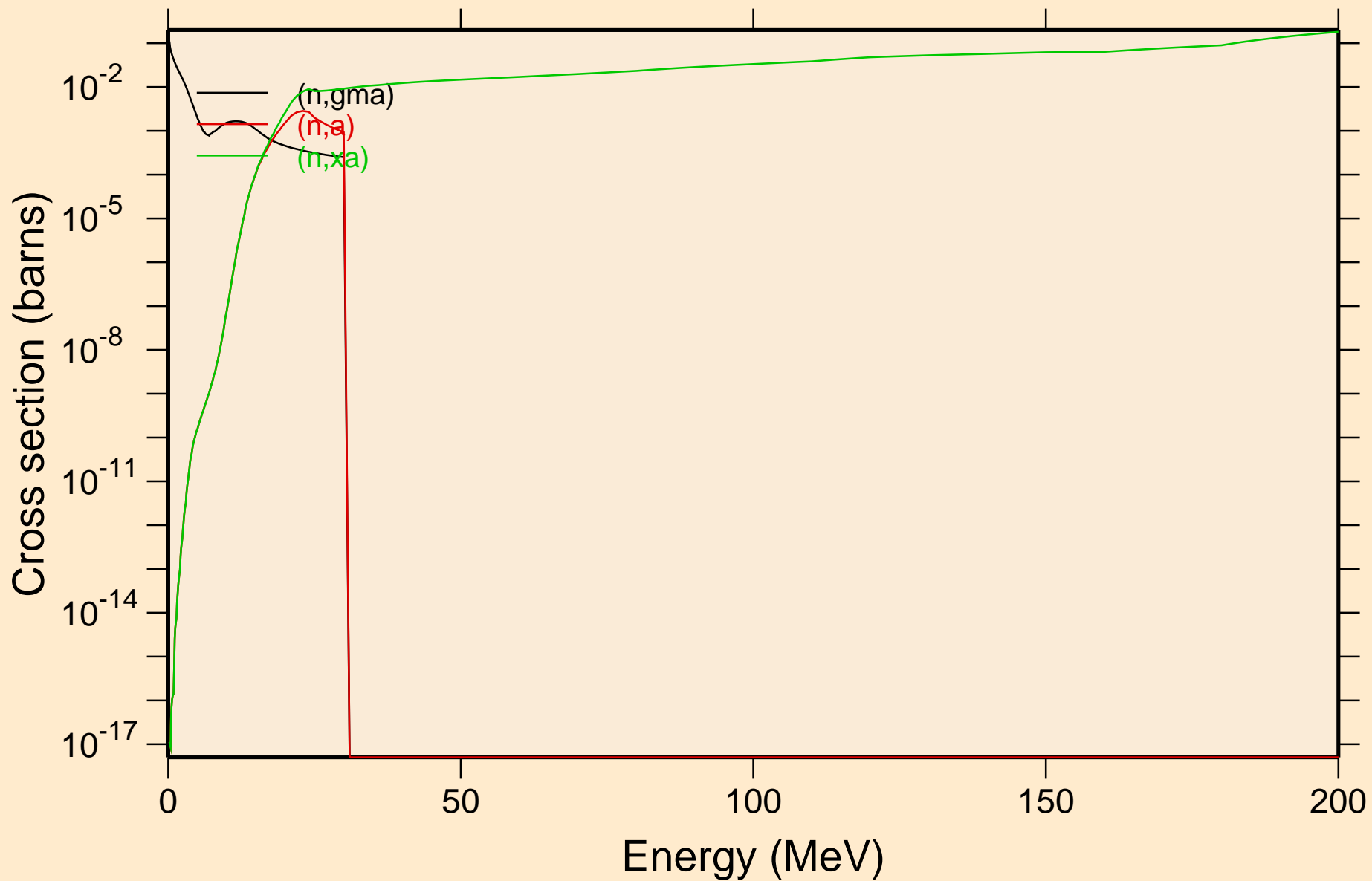
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



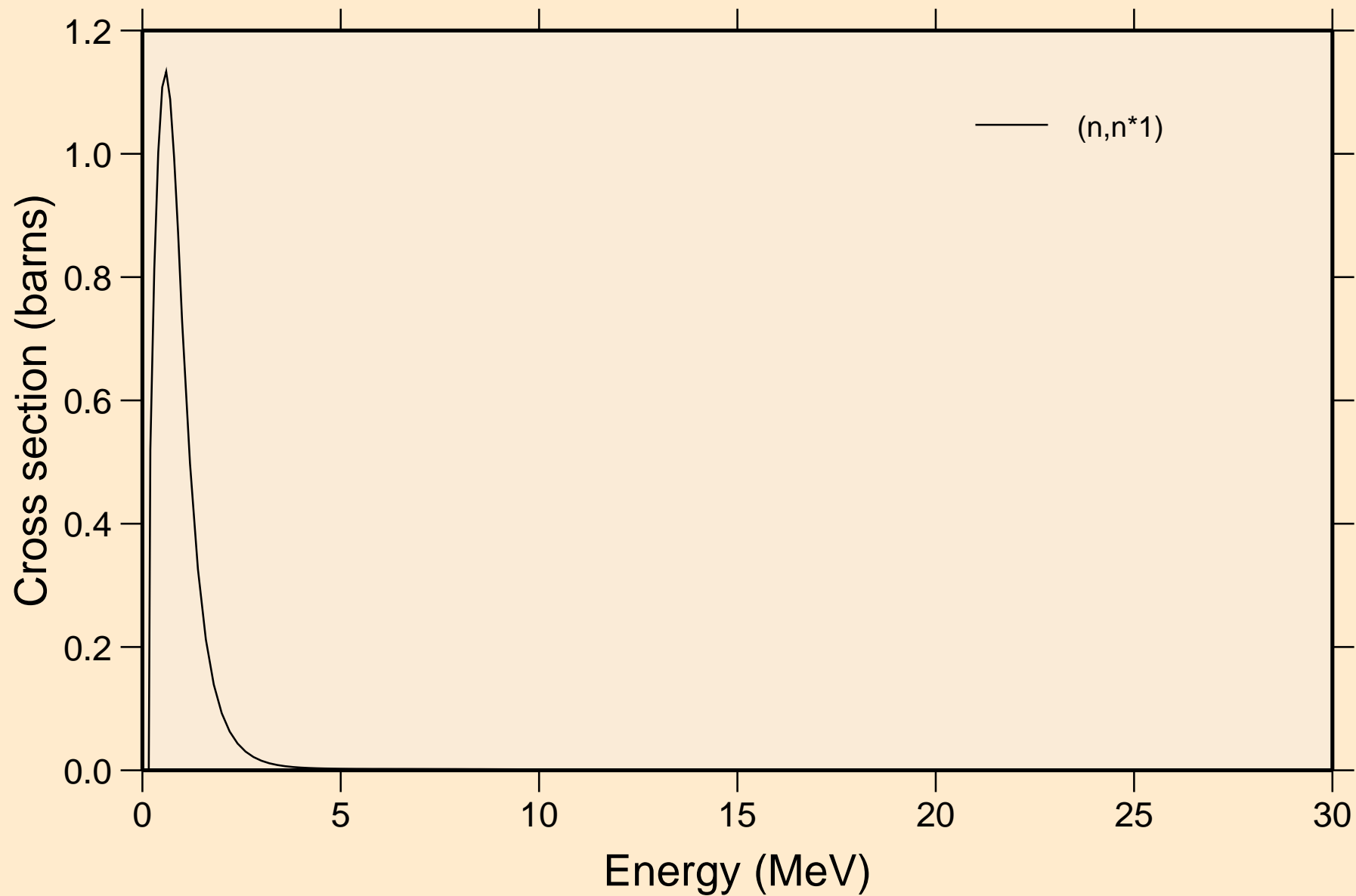
# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

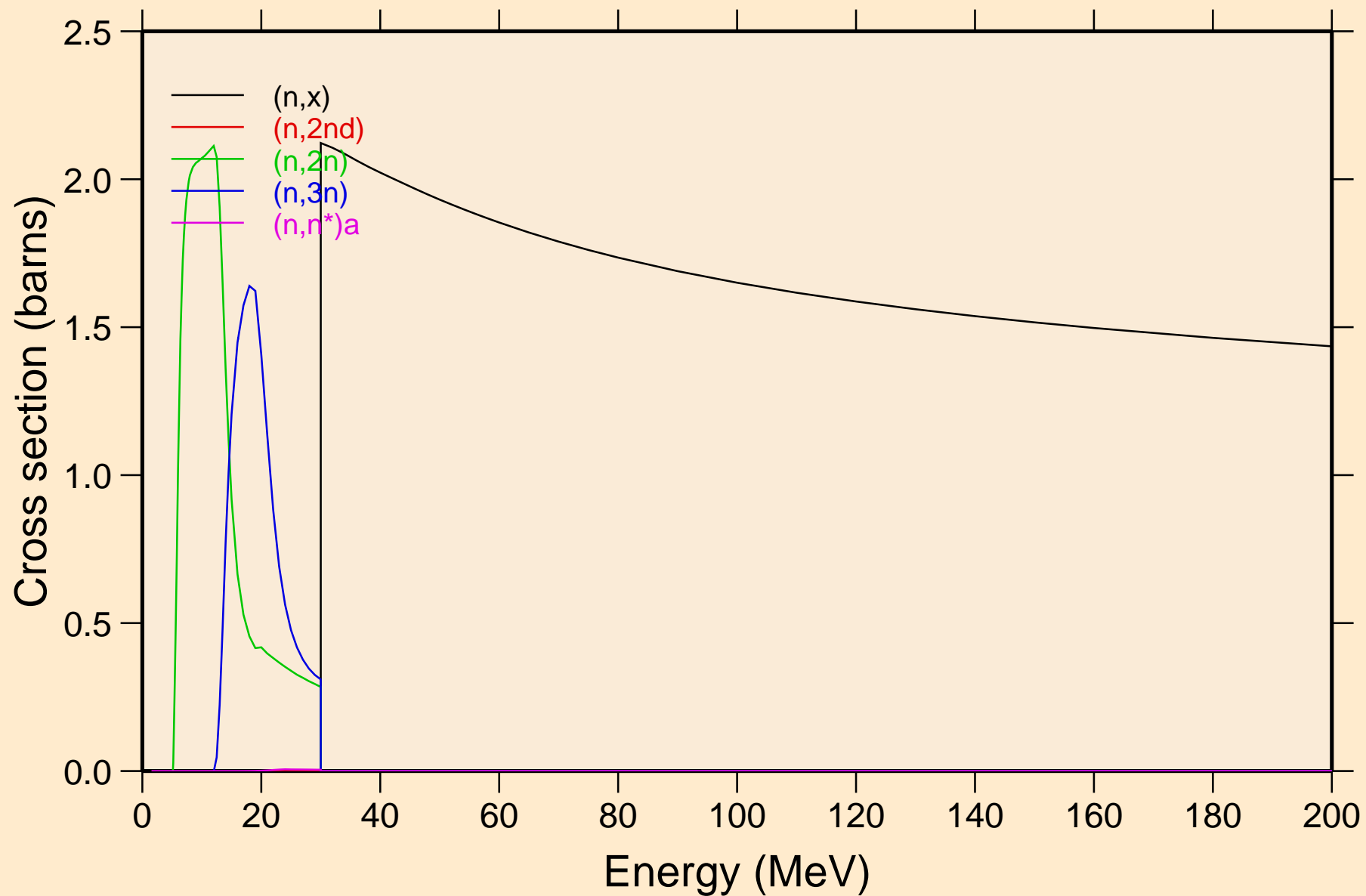


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

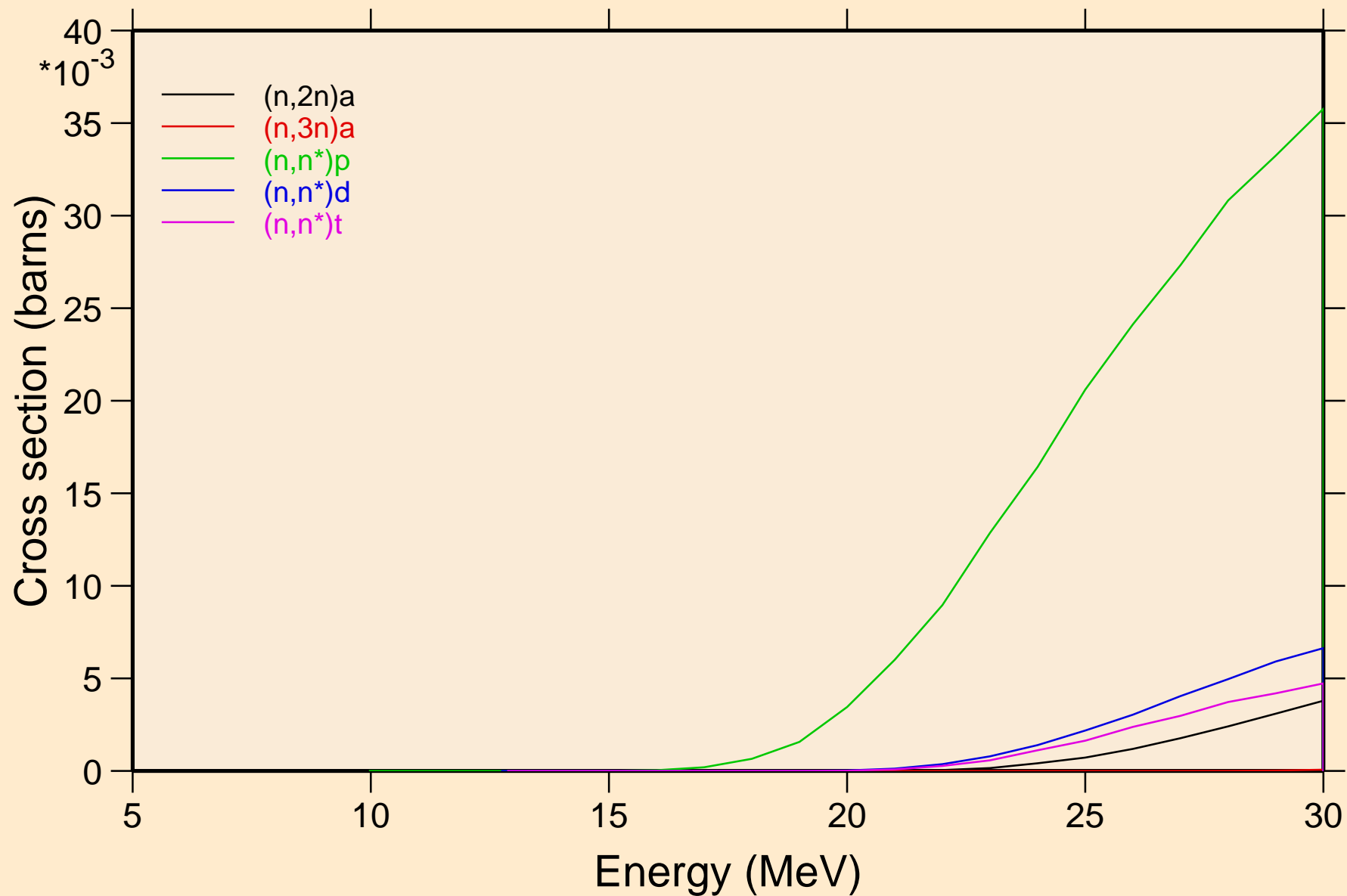
## Threshold reactions



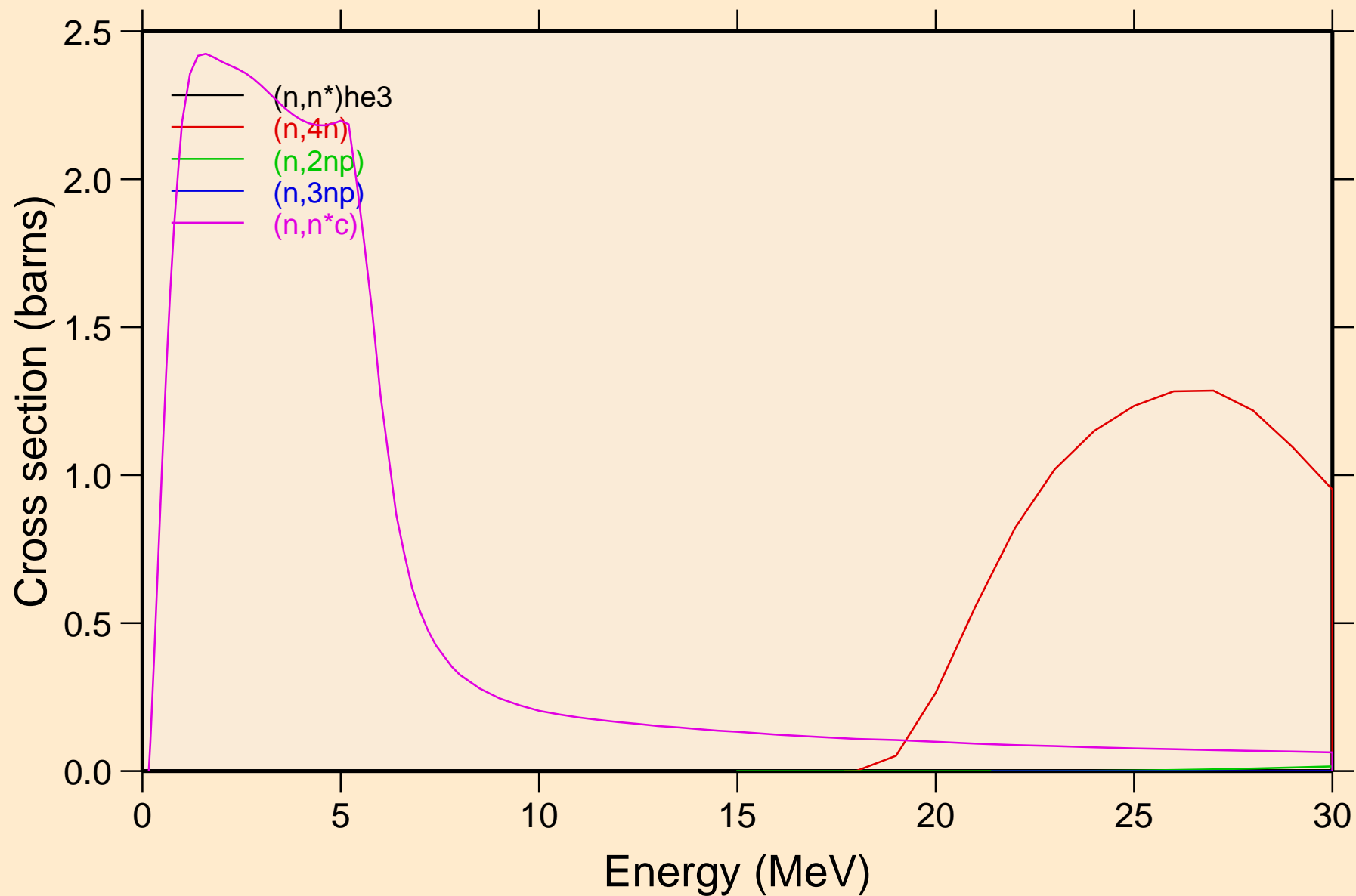


# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

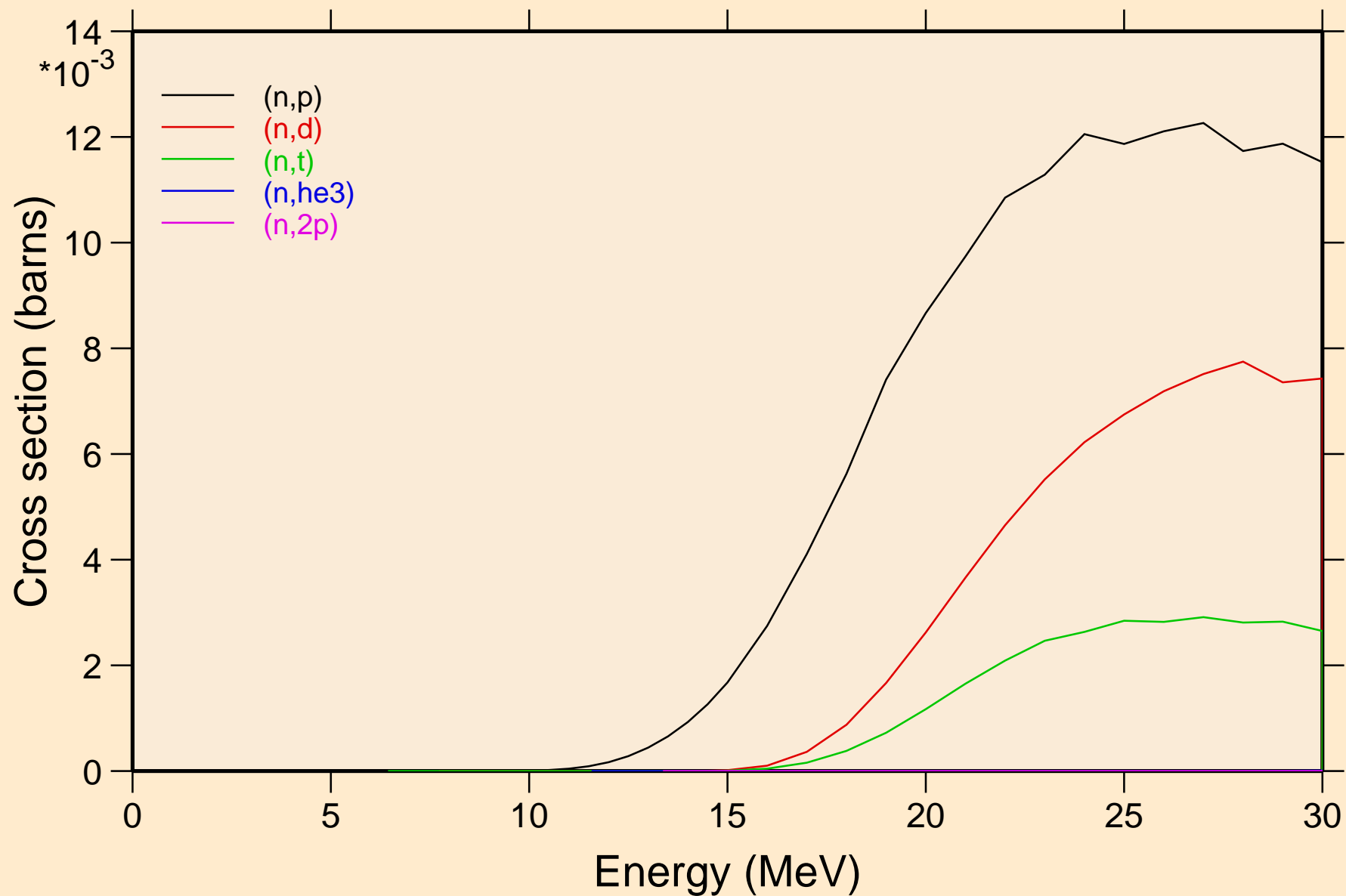
## Threshold reactions



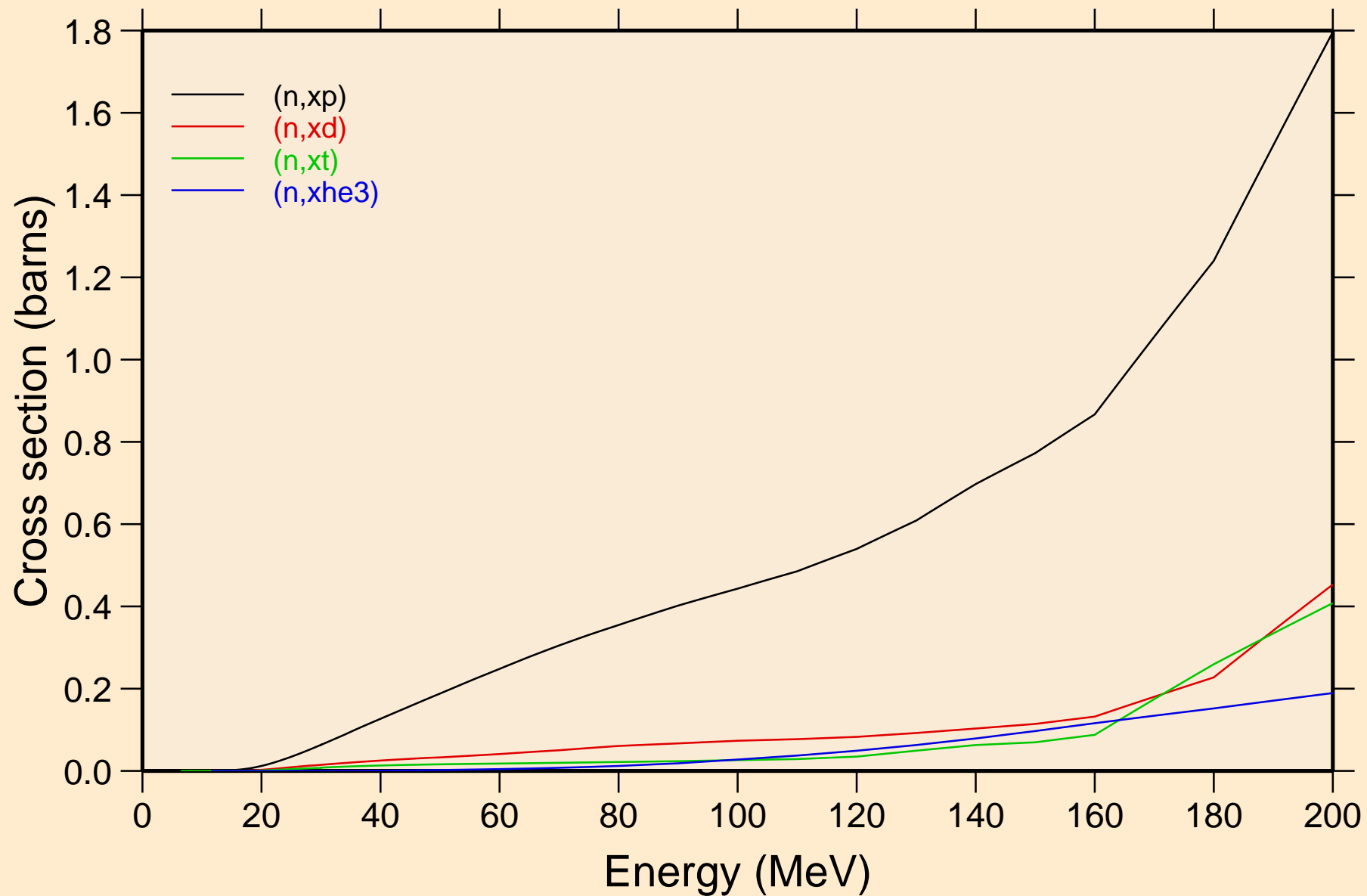
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



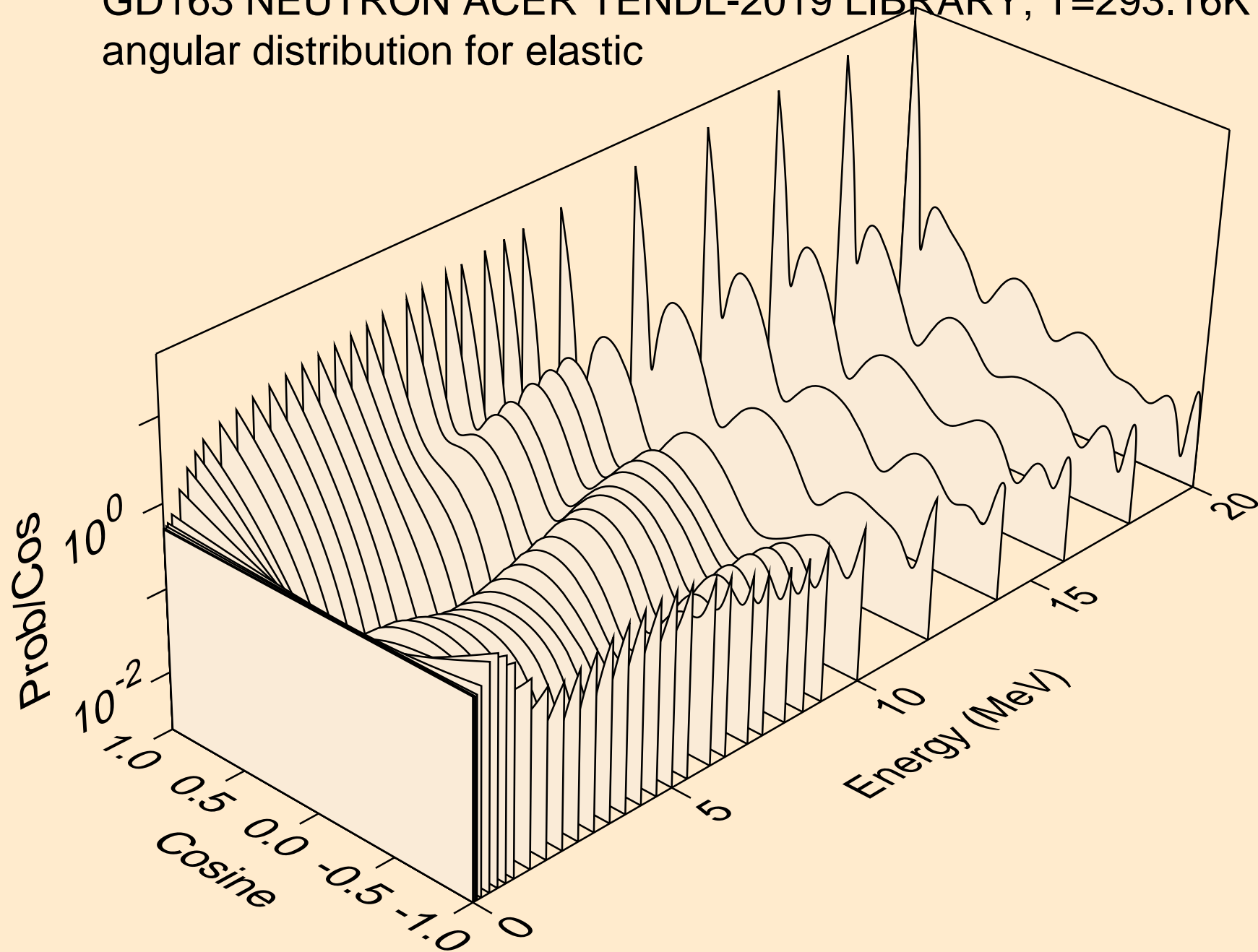
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



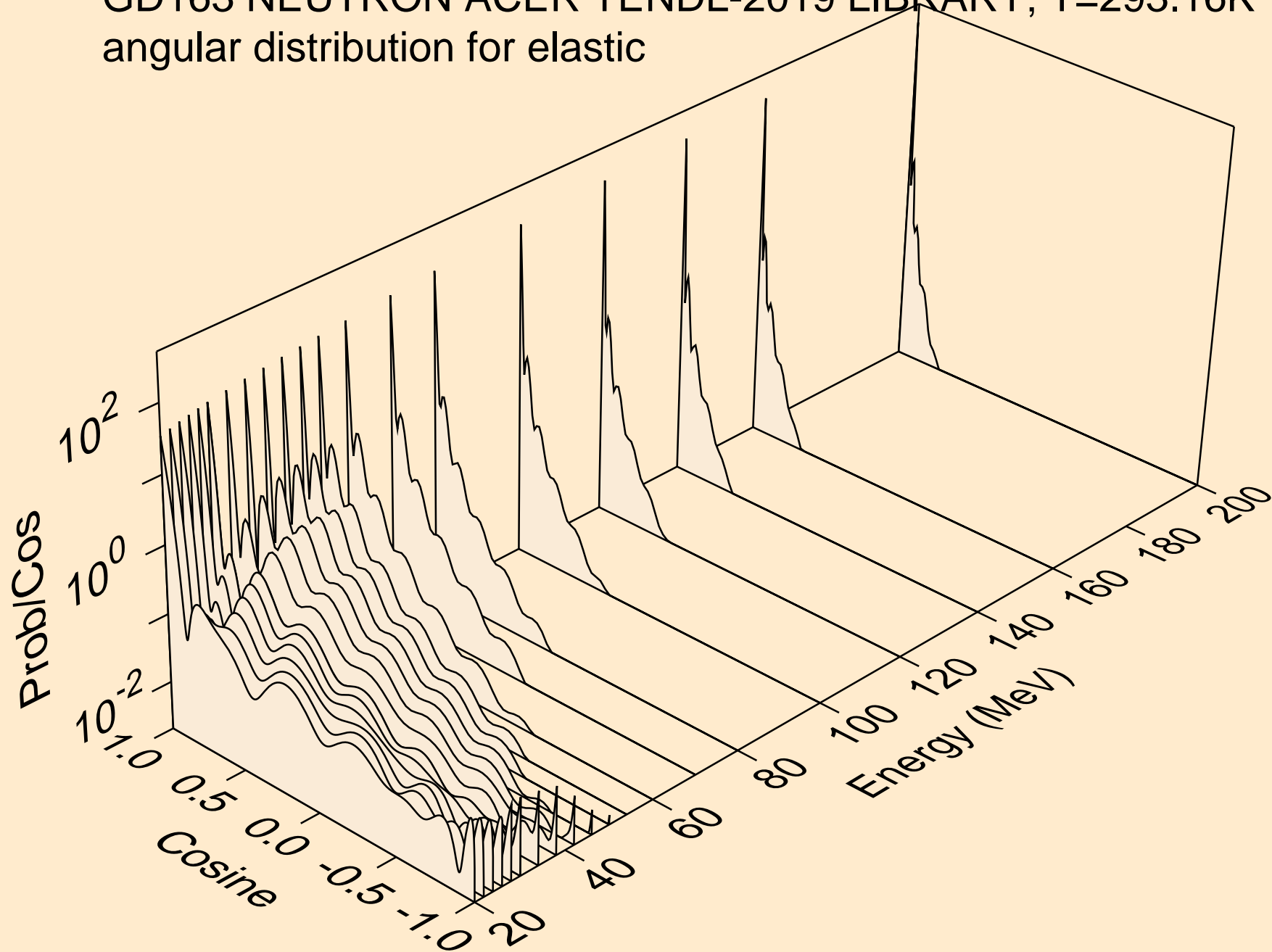
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



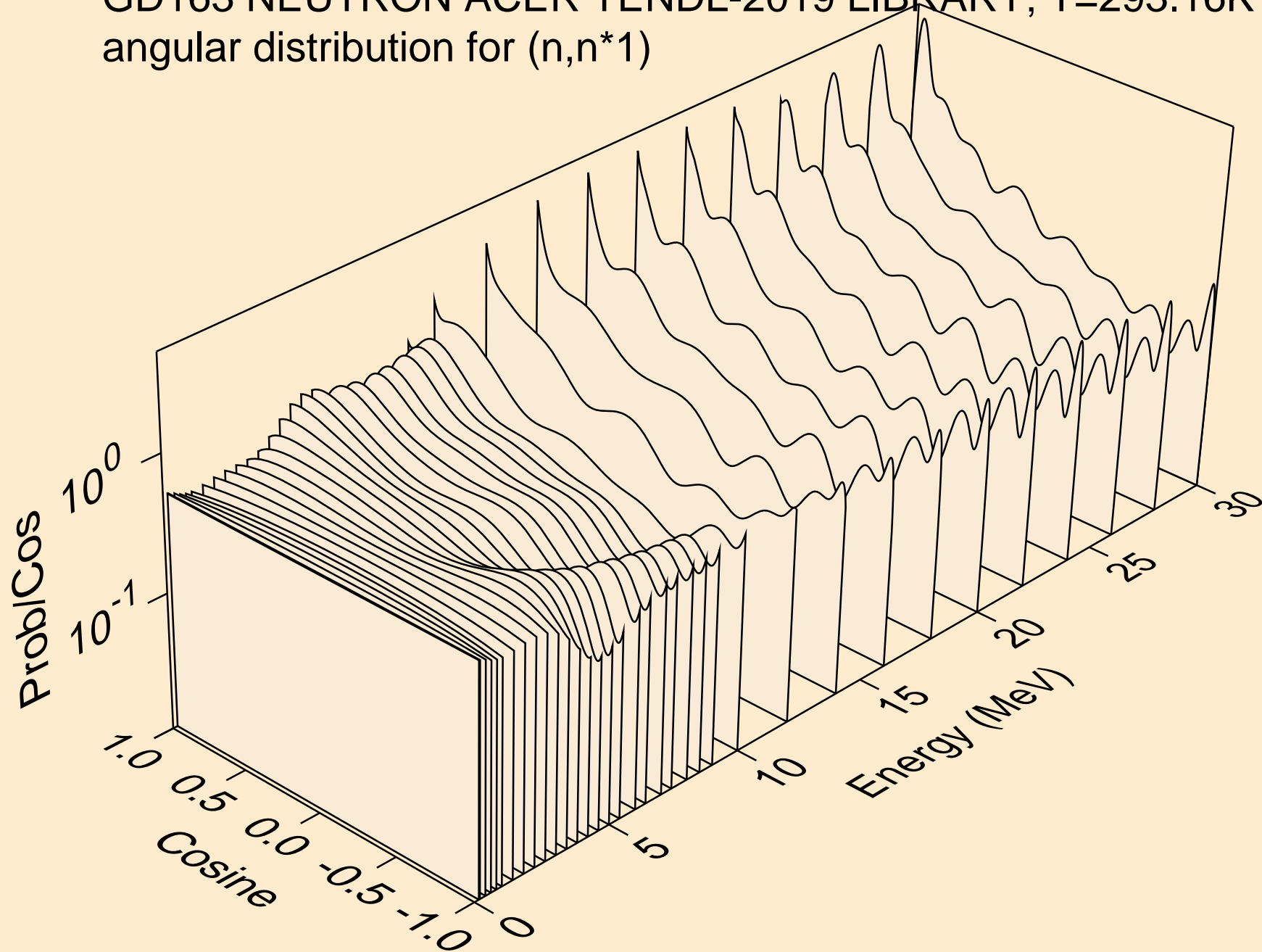
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



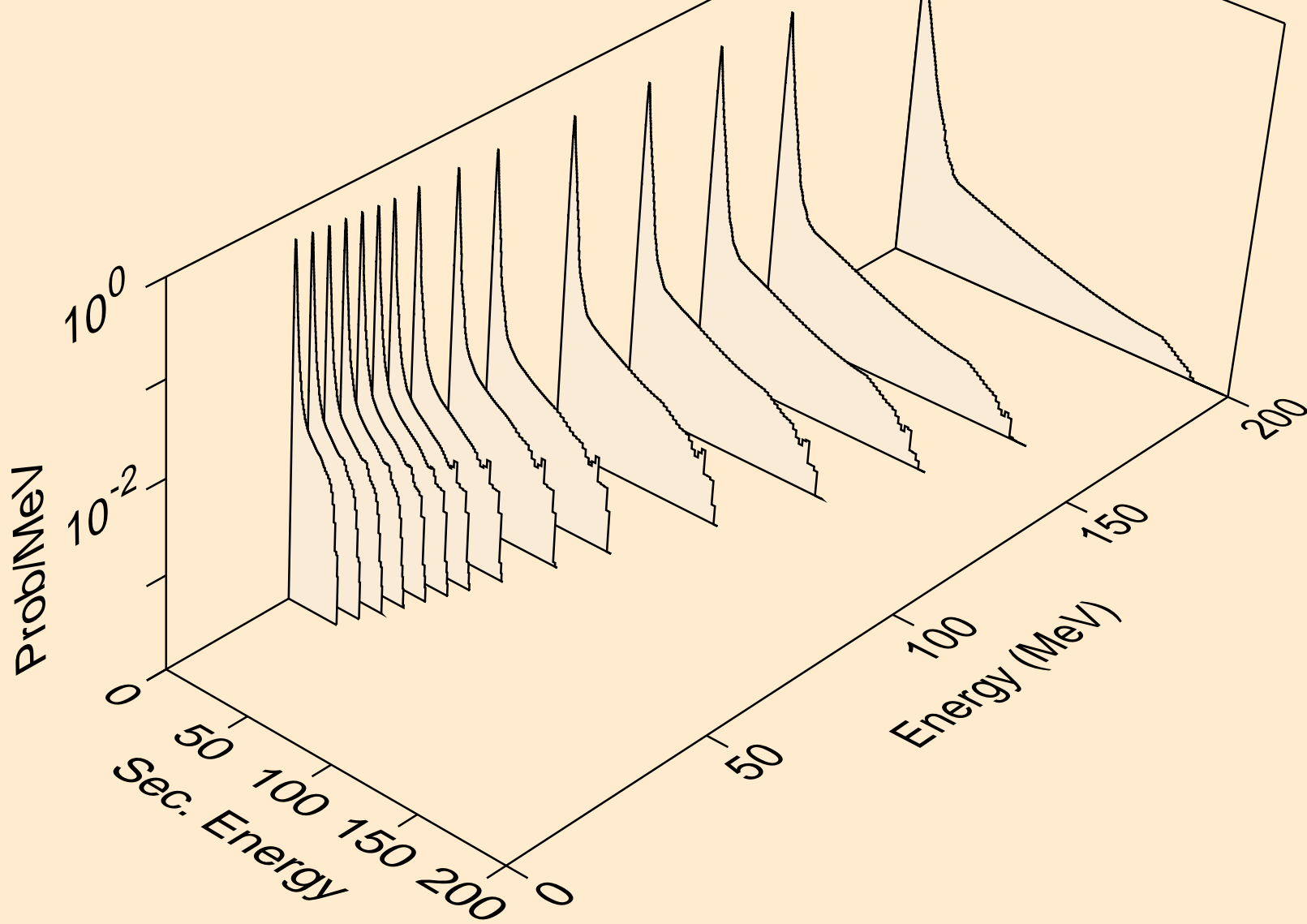
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

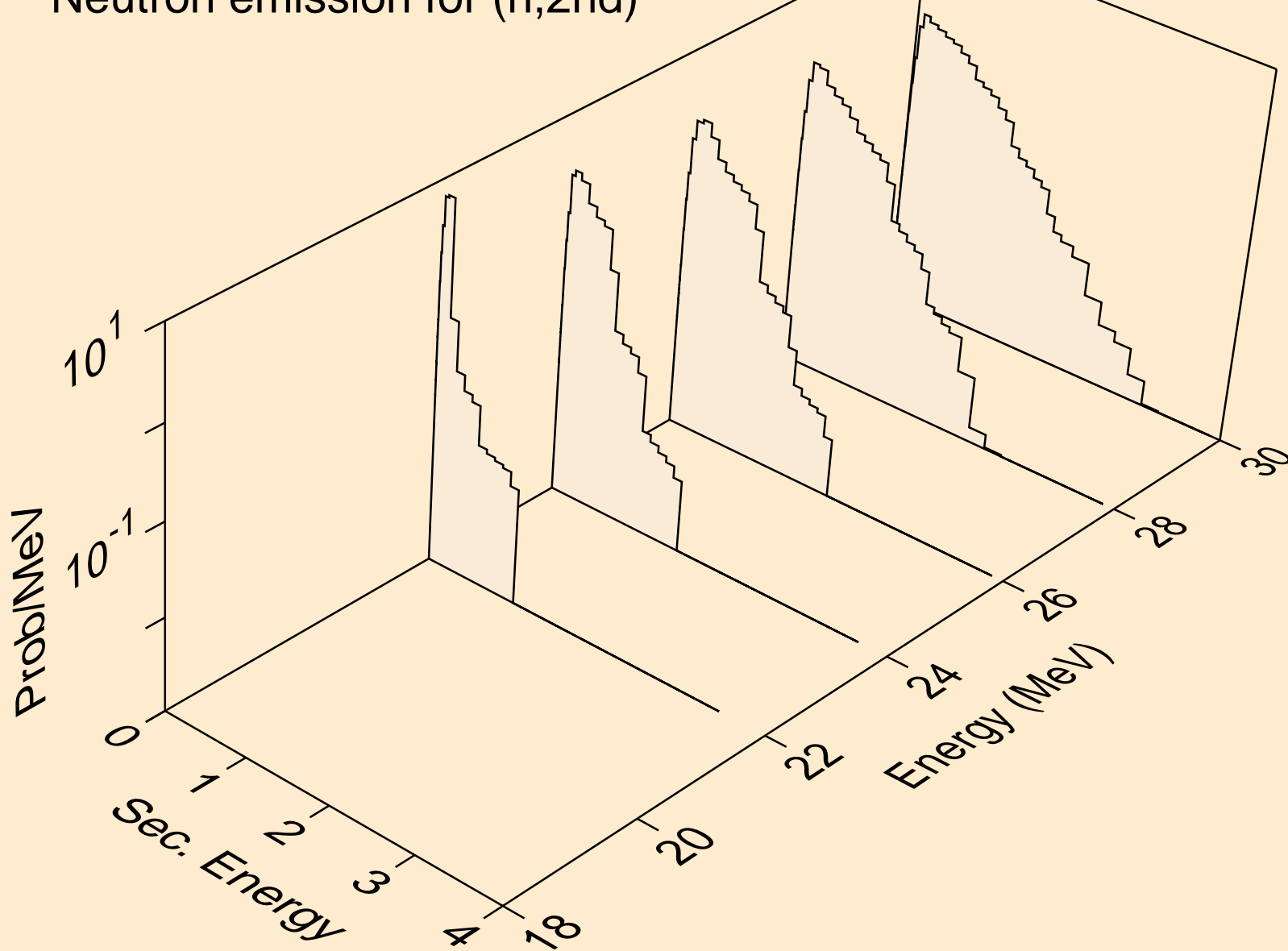


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

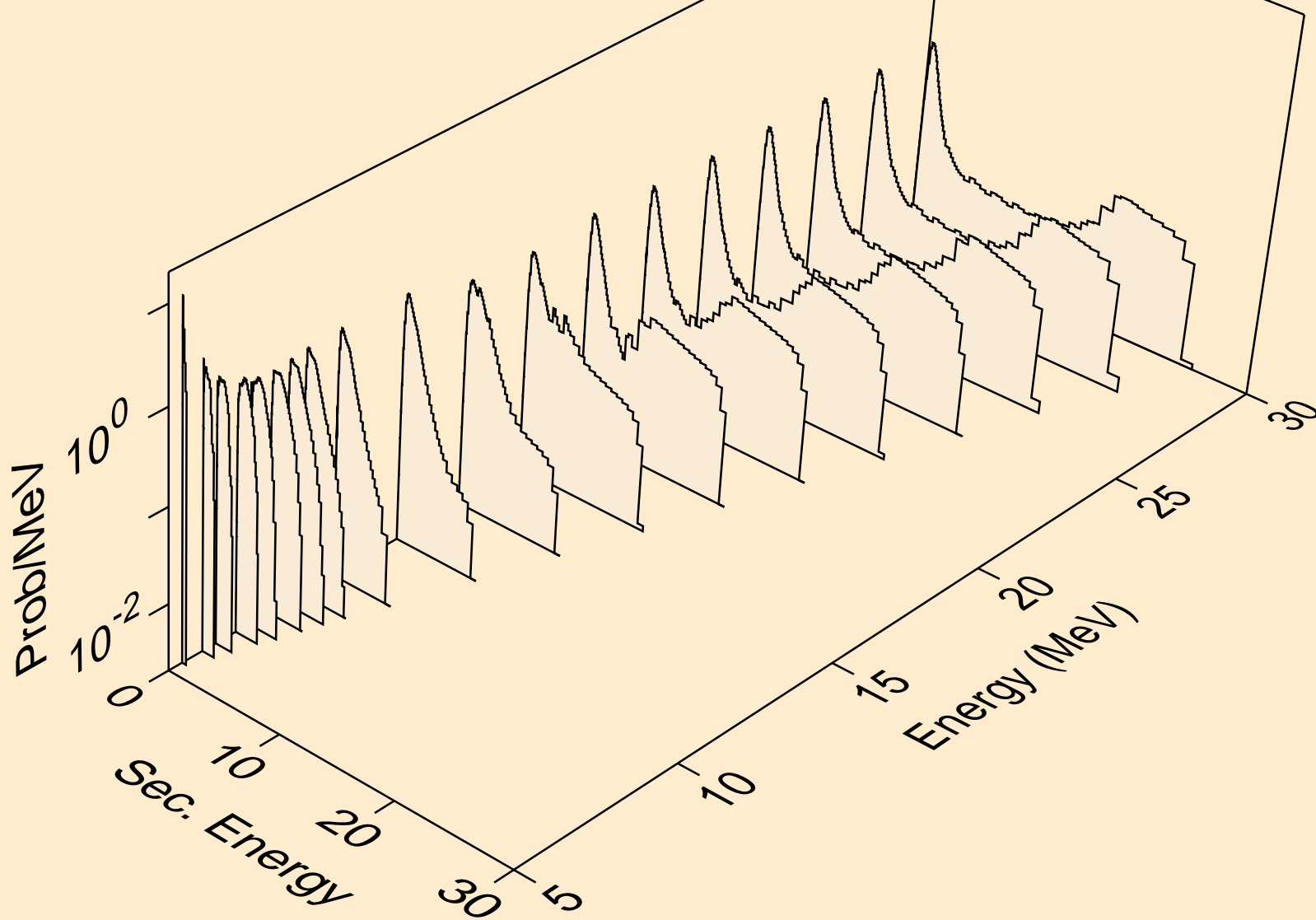




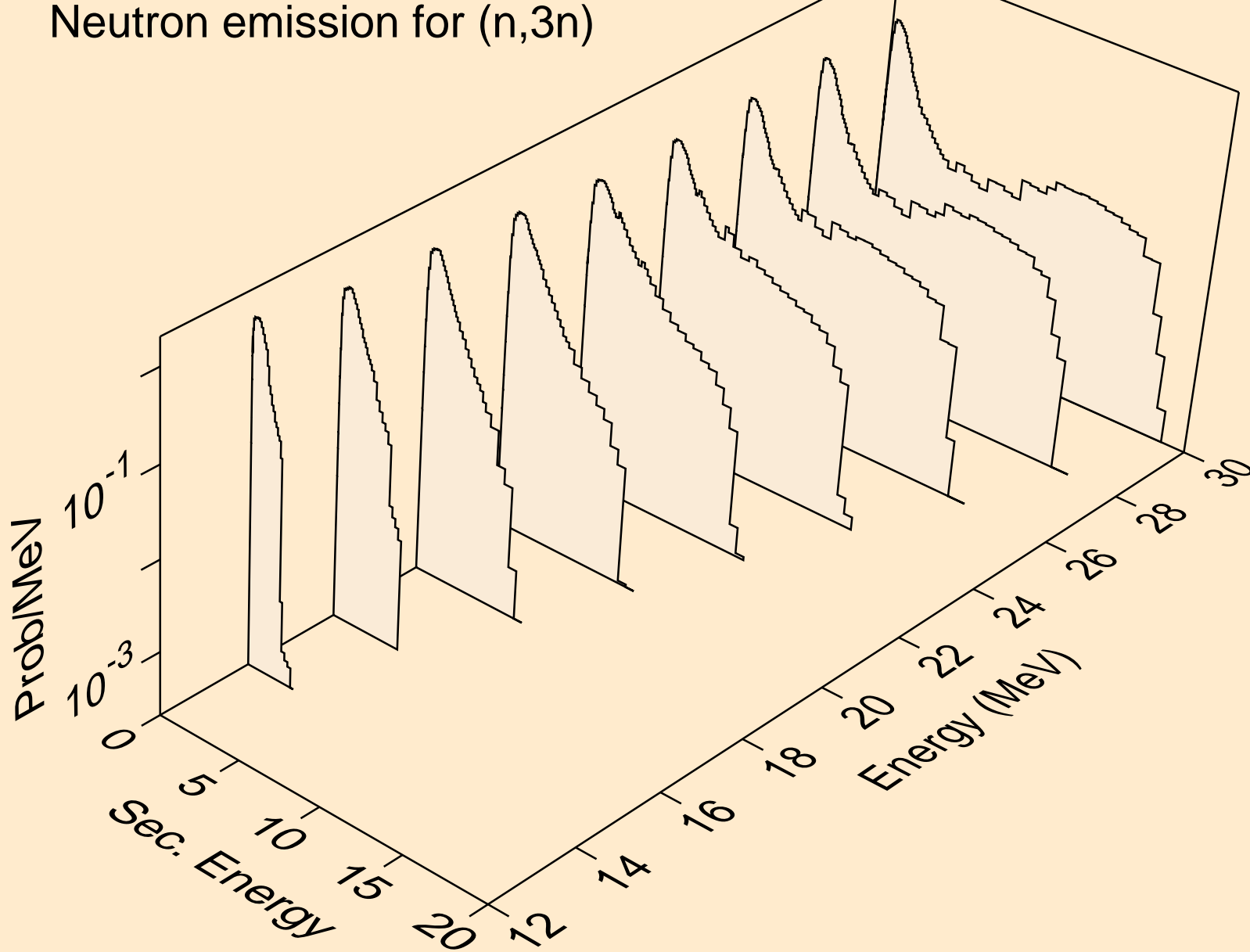
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



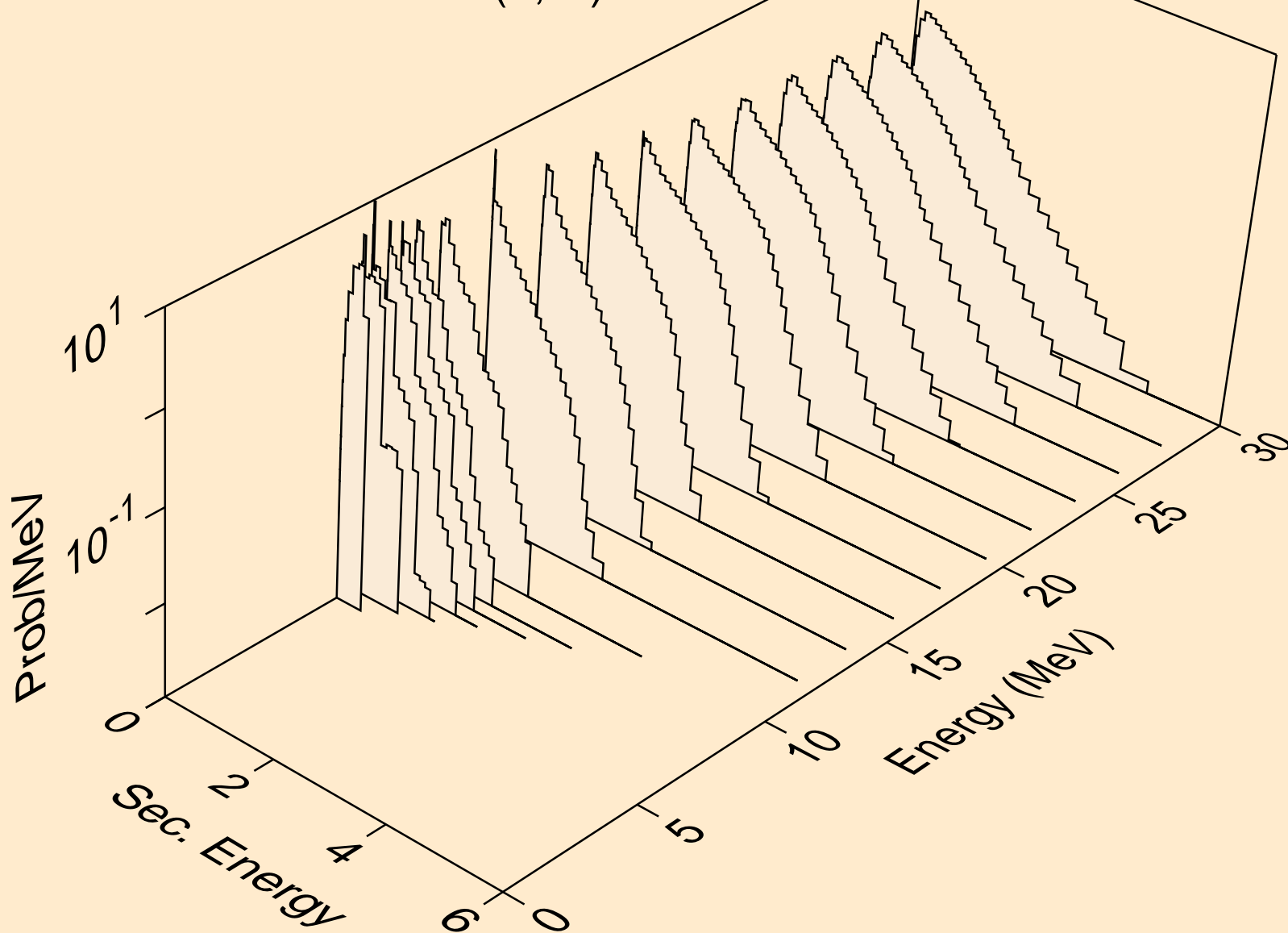
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



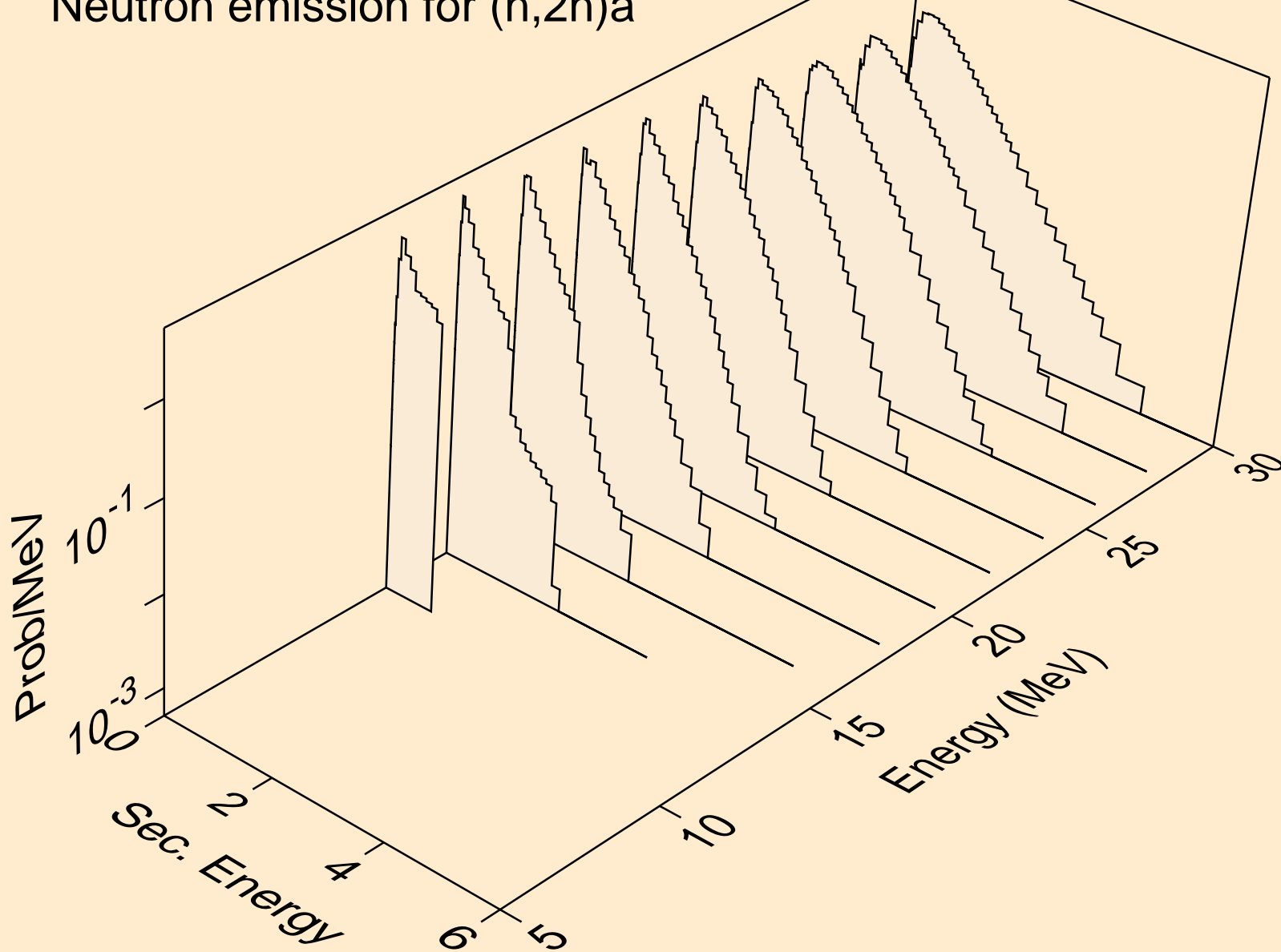
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



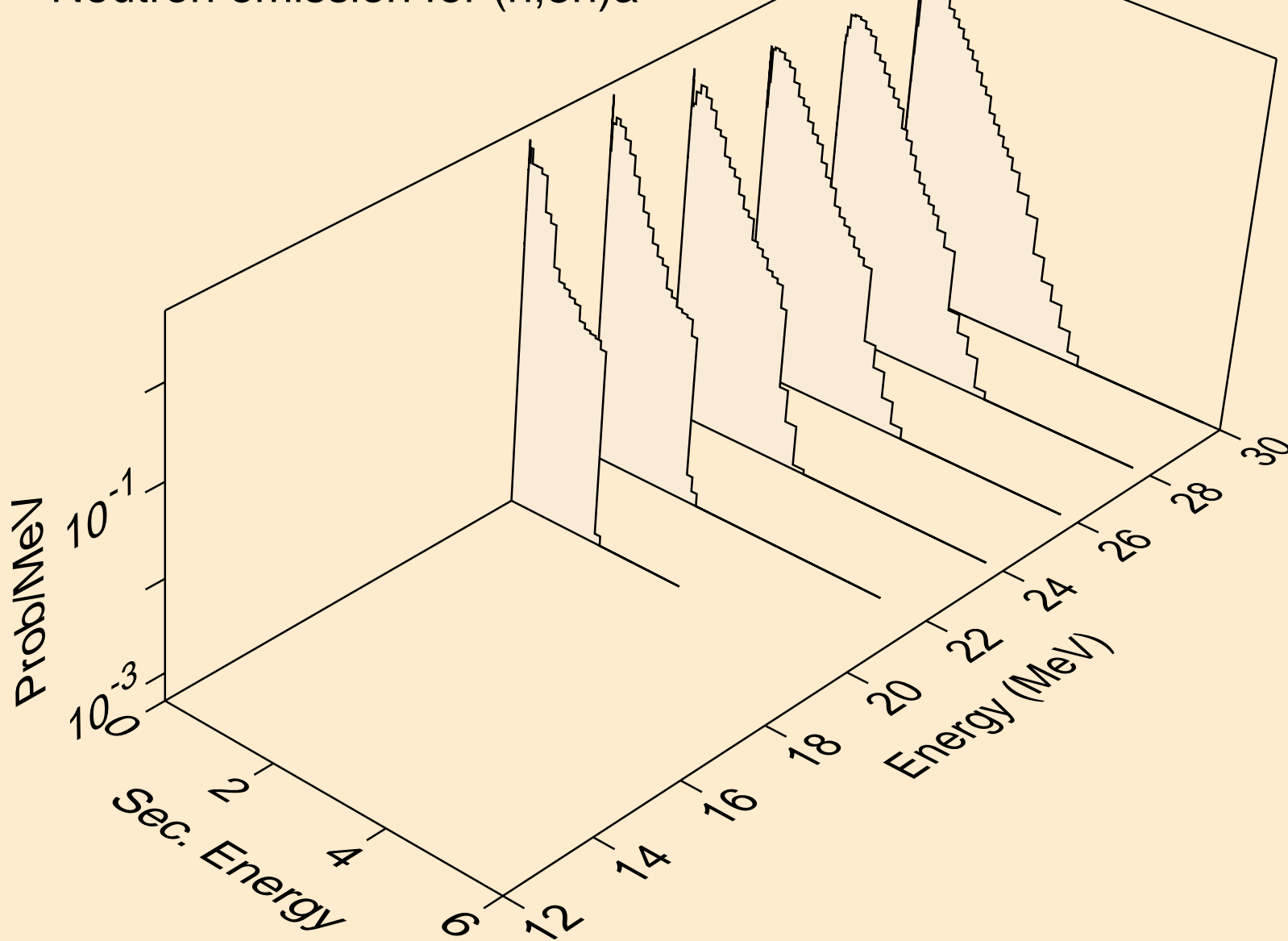
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



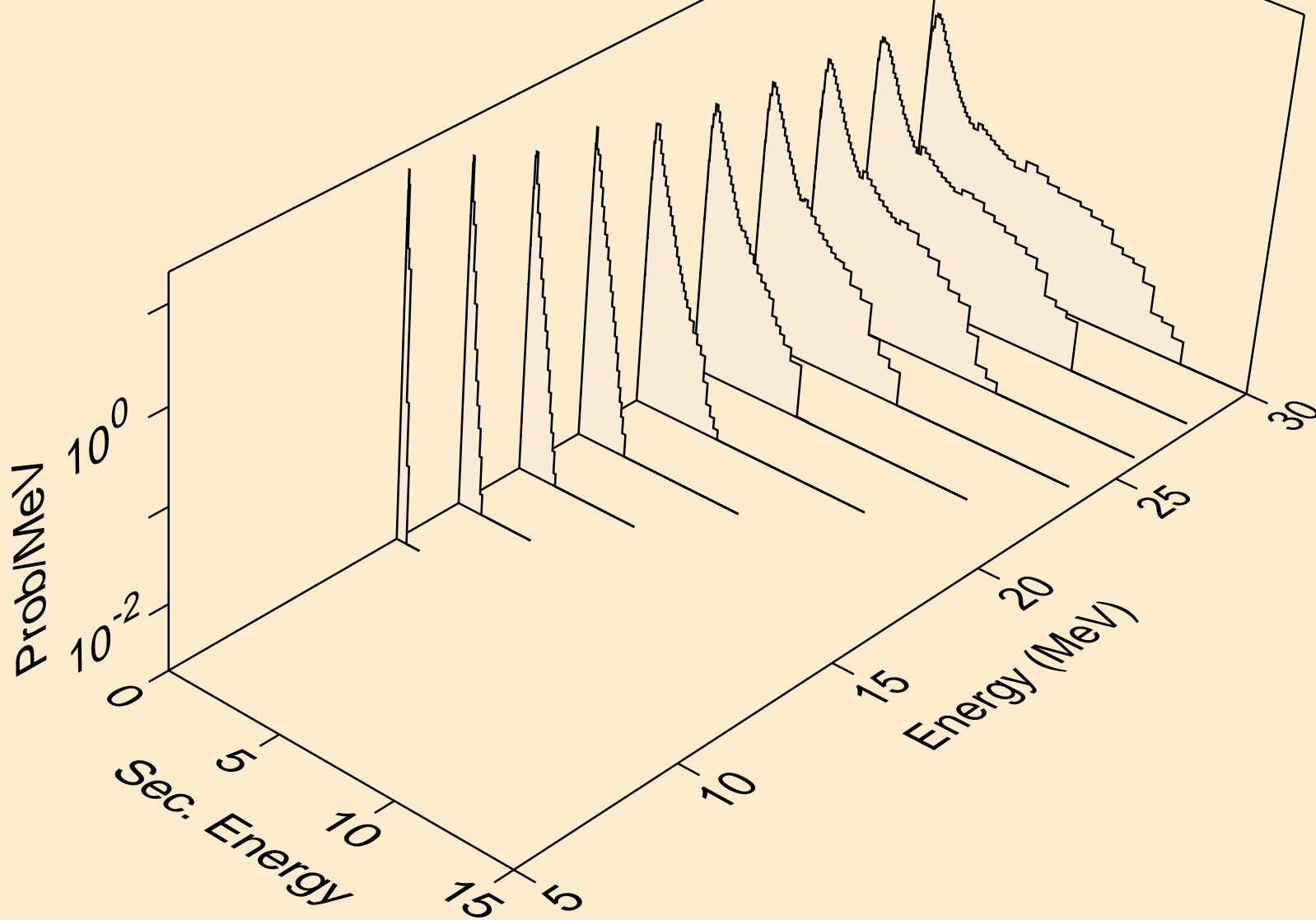
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



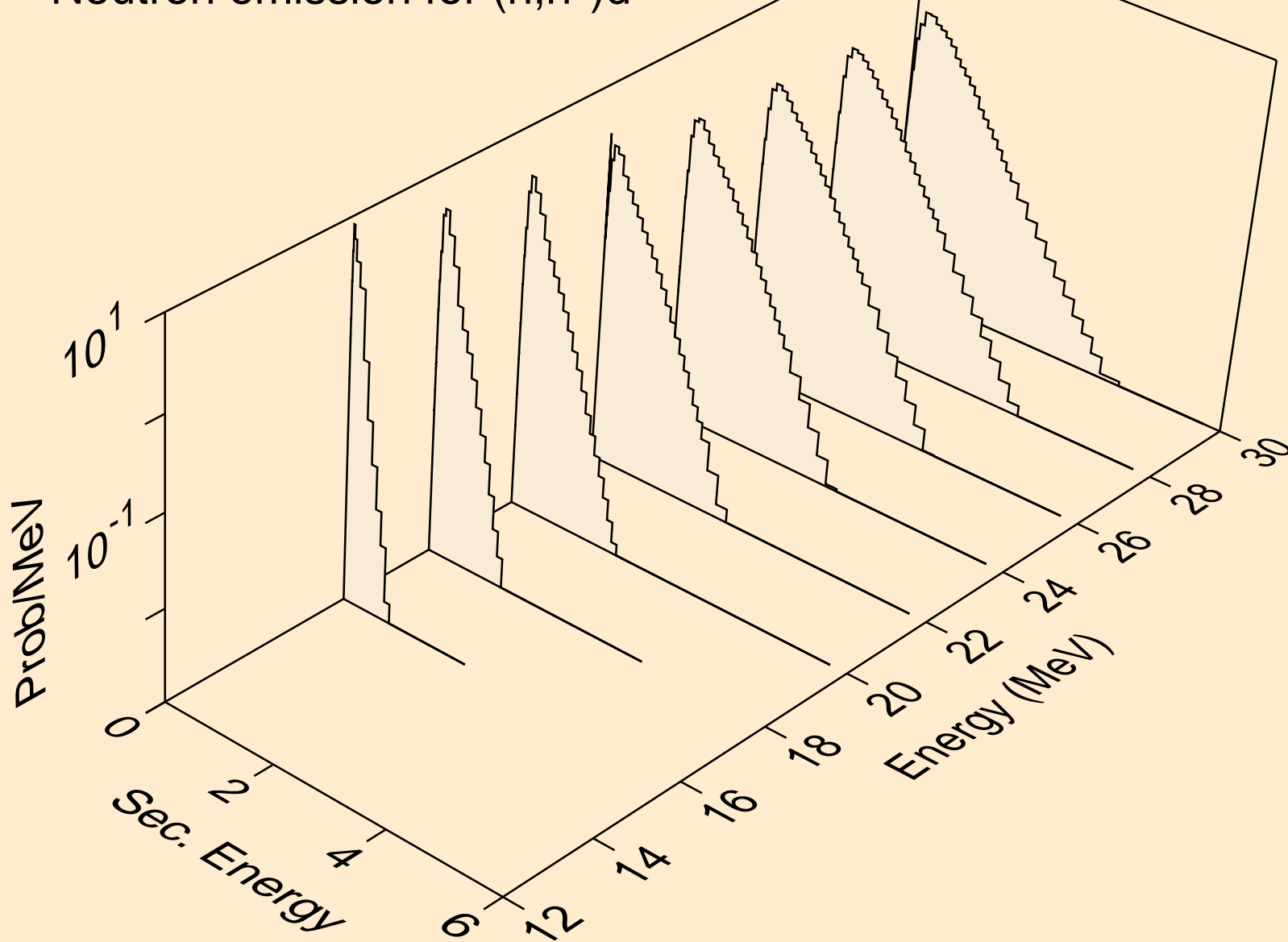
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

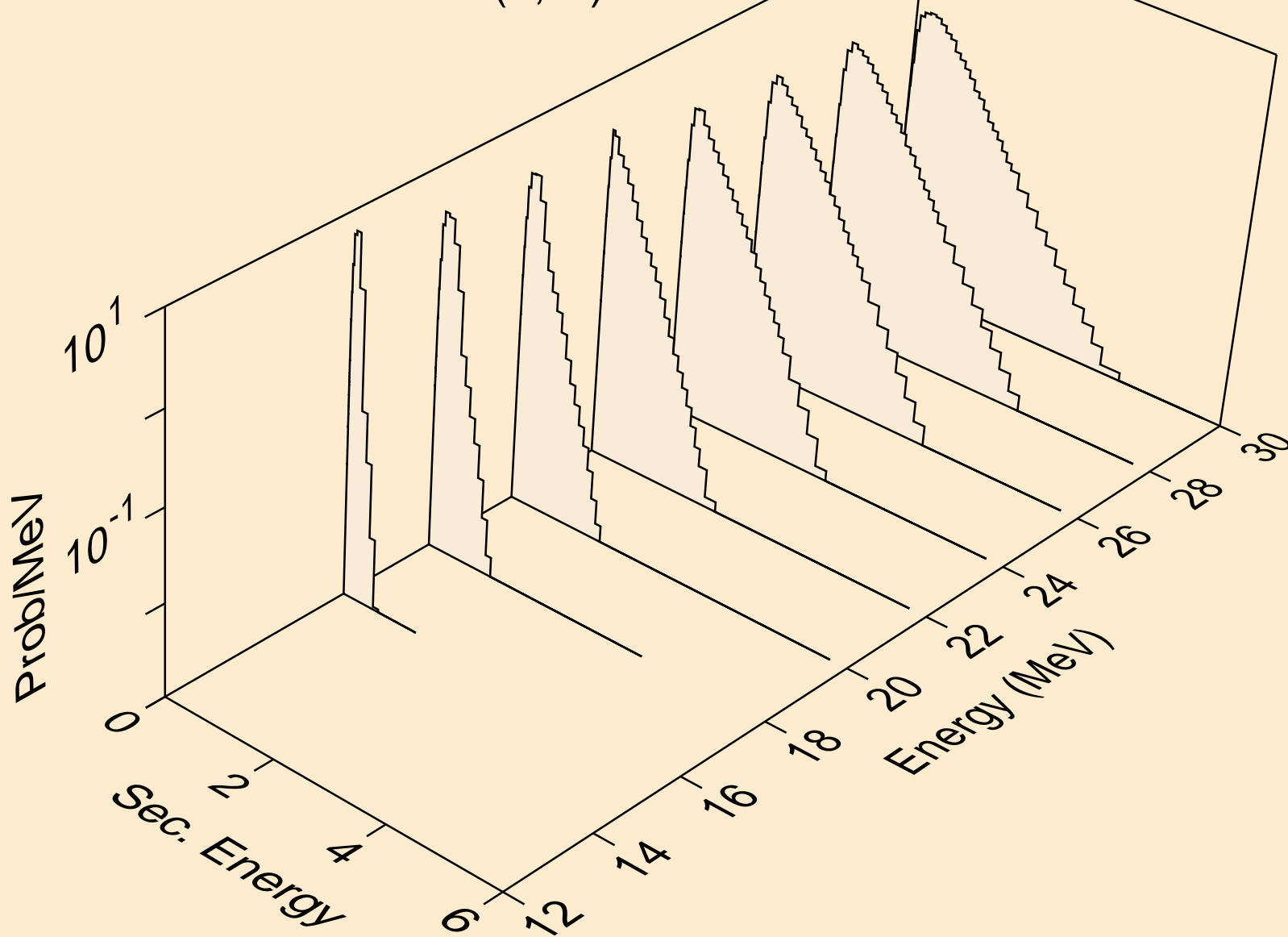


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

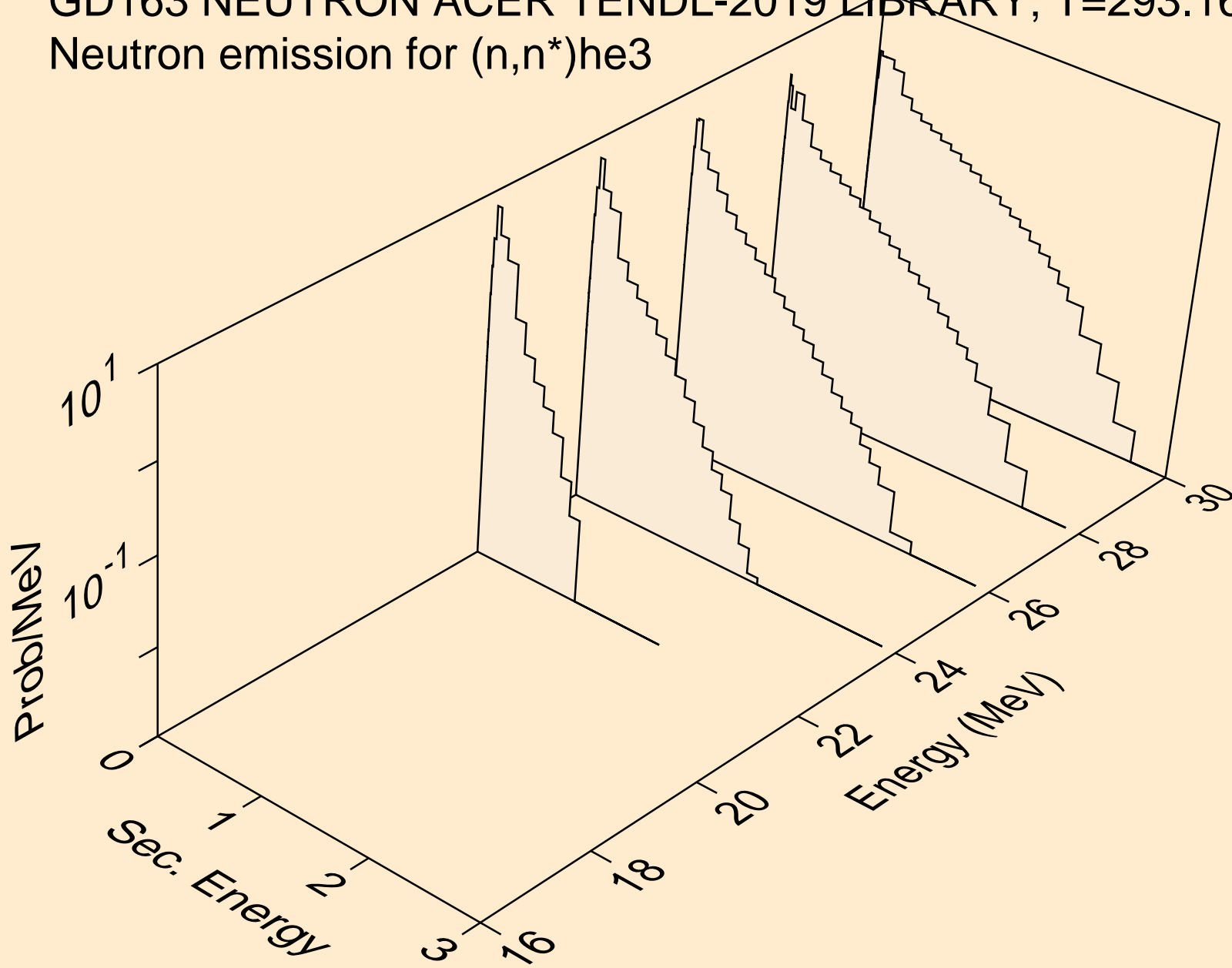




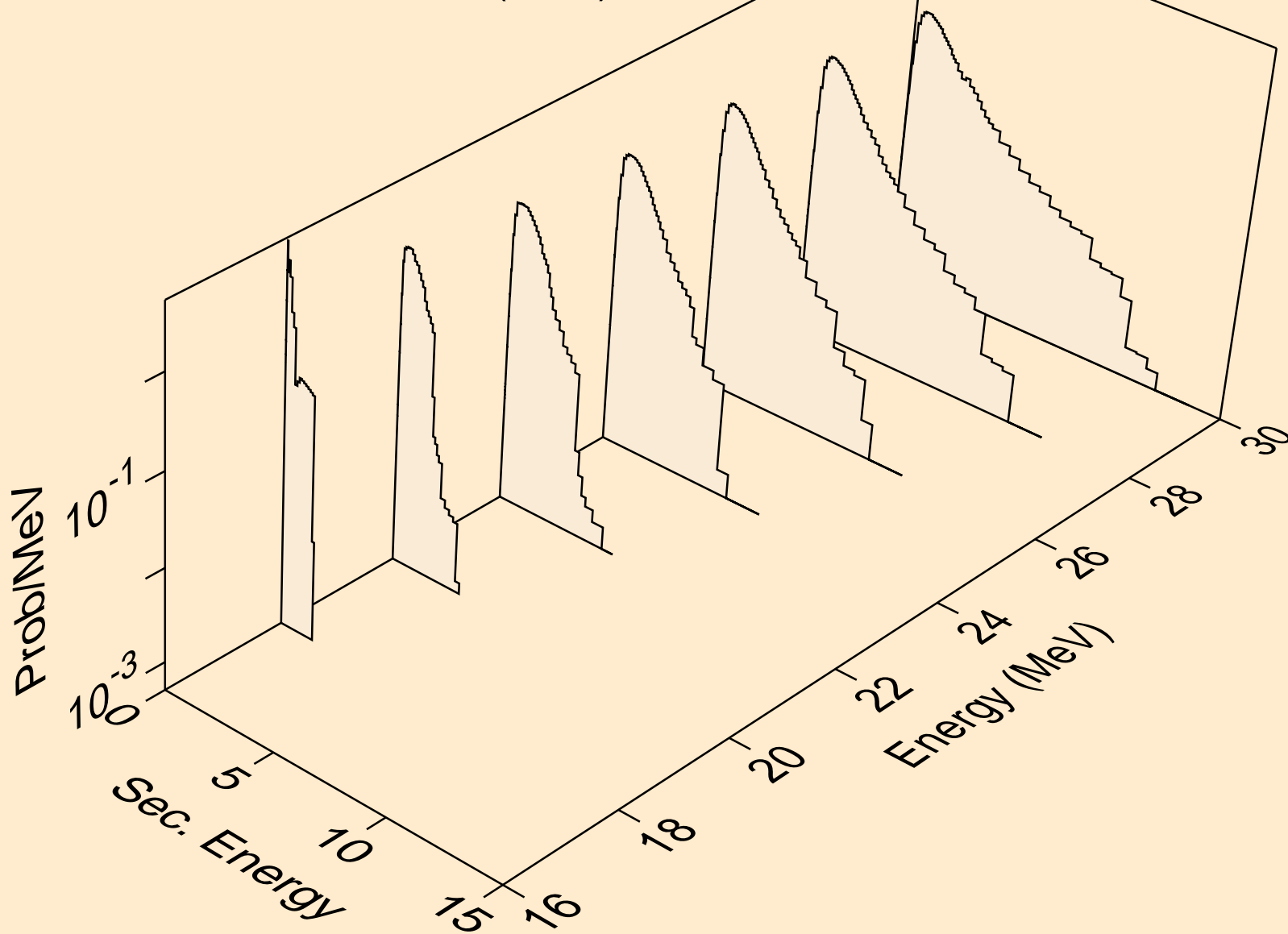
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



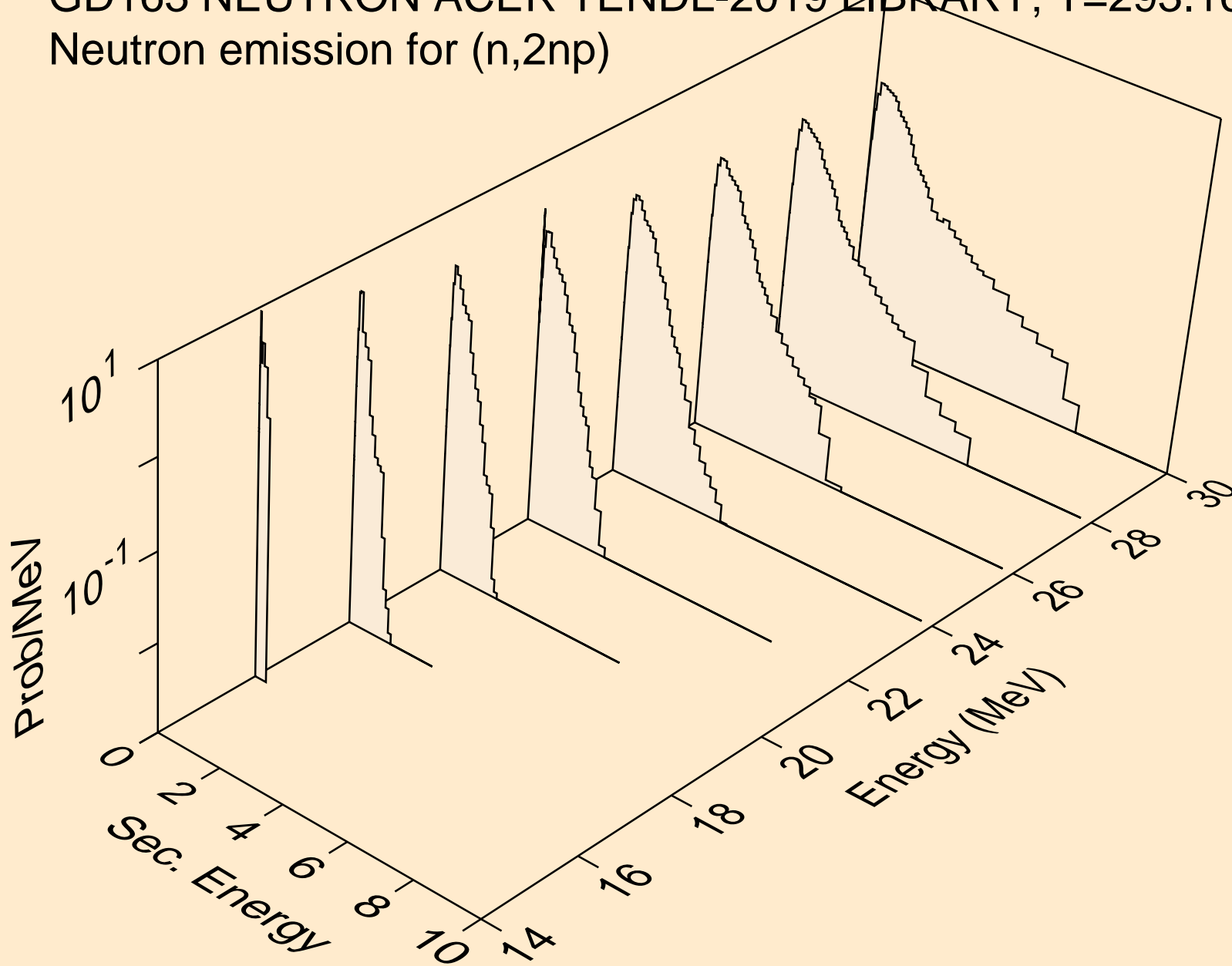
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



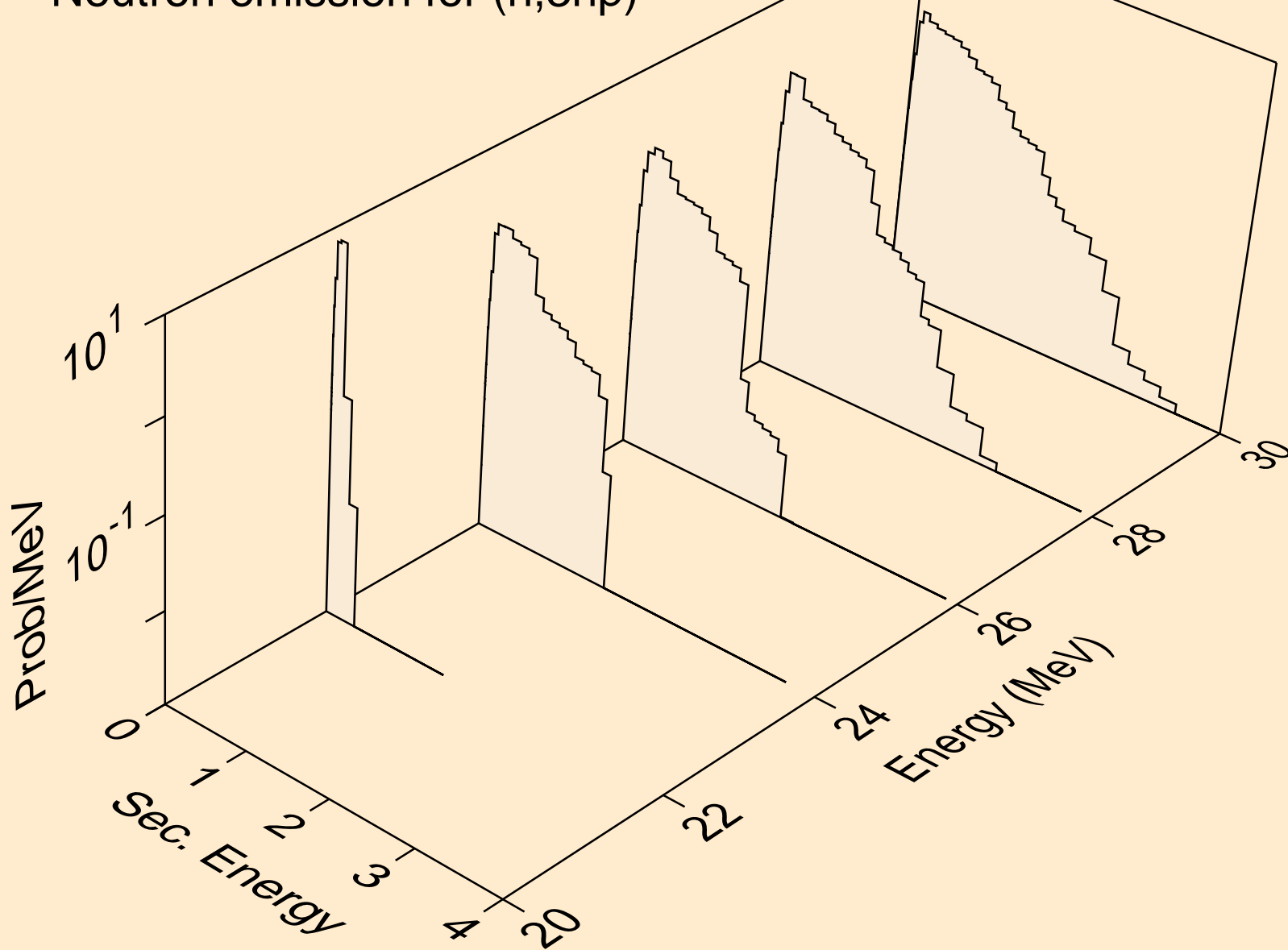
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



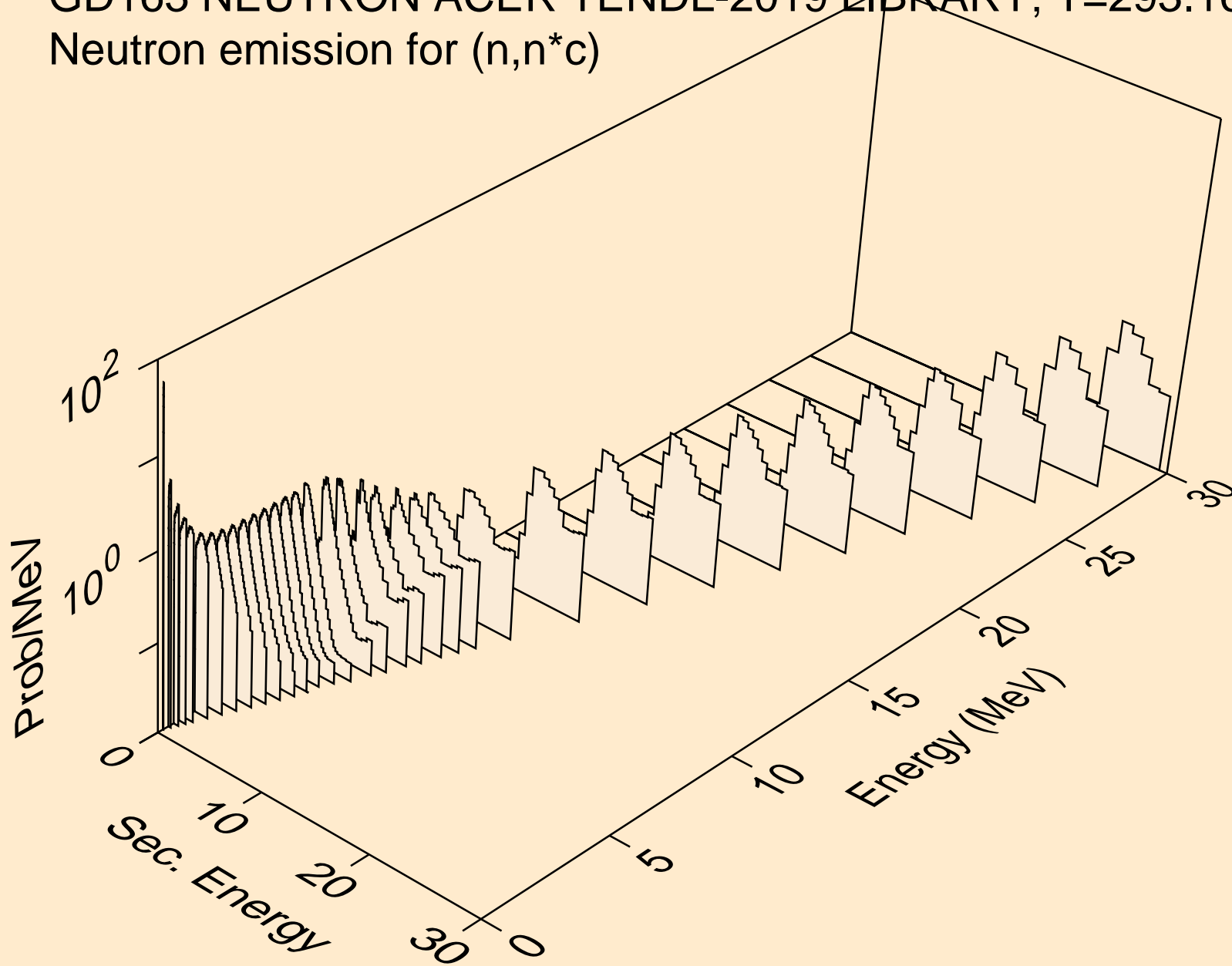
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



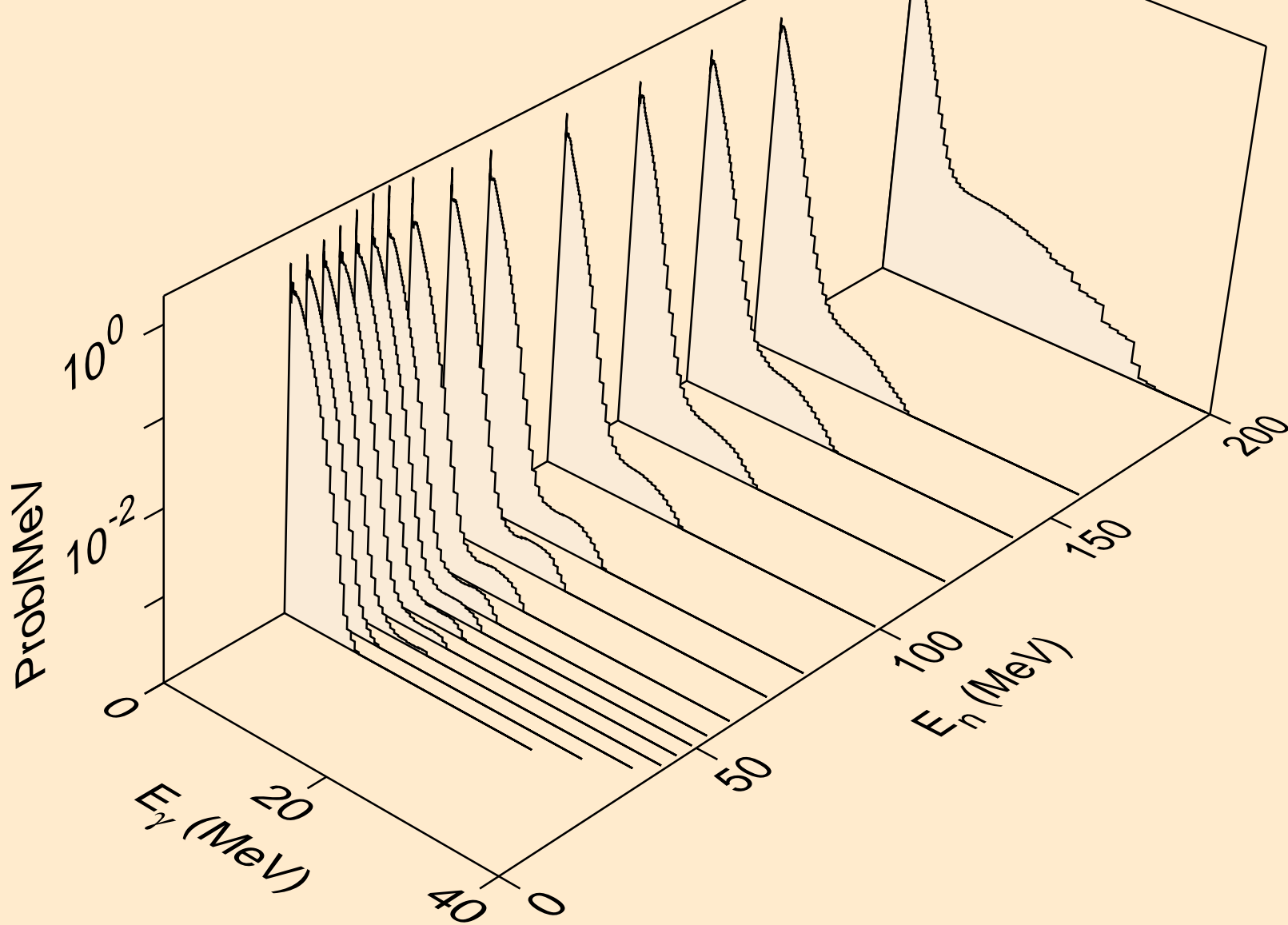
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Neutron emission for (n,3np)



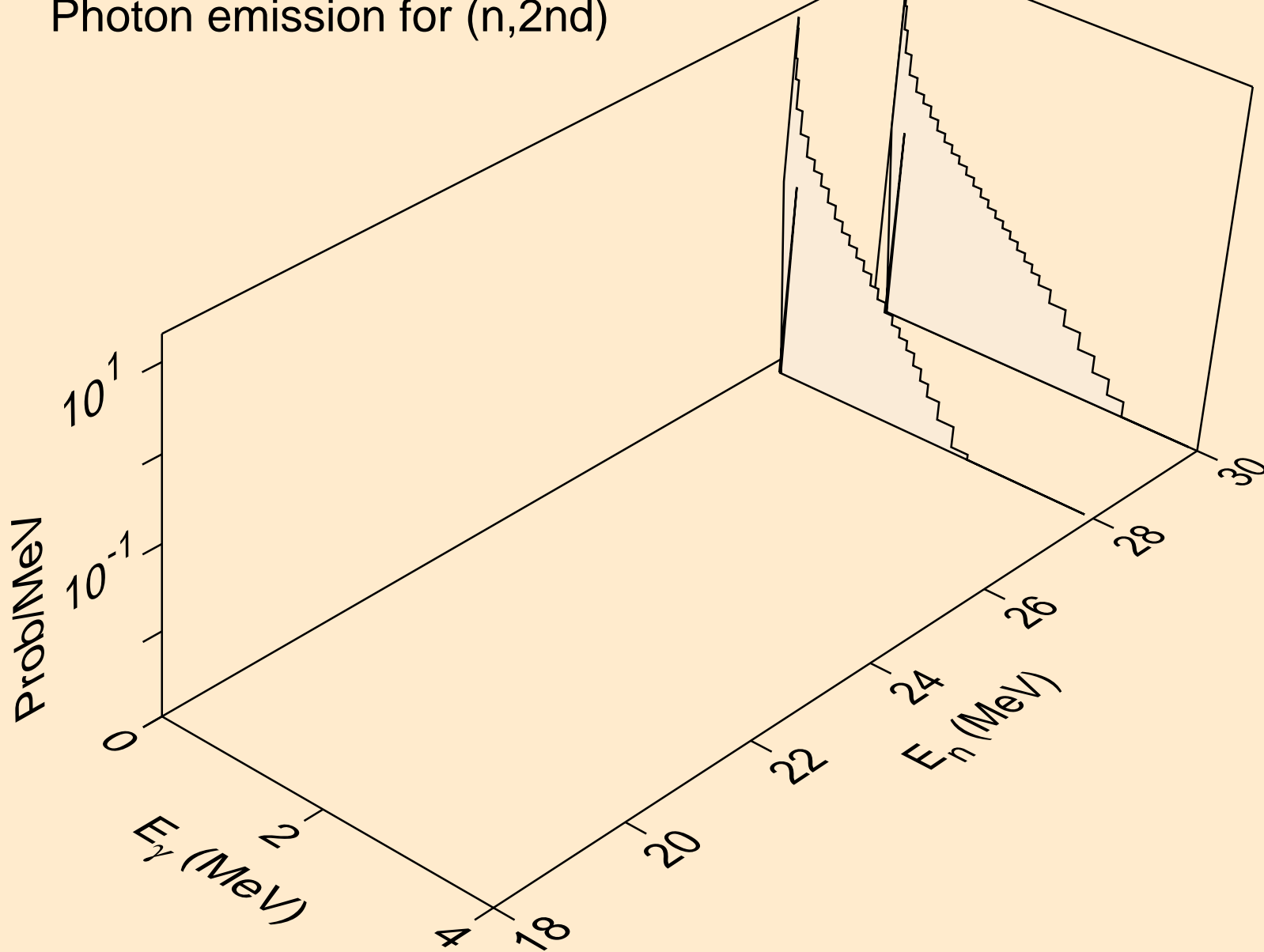
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

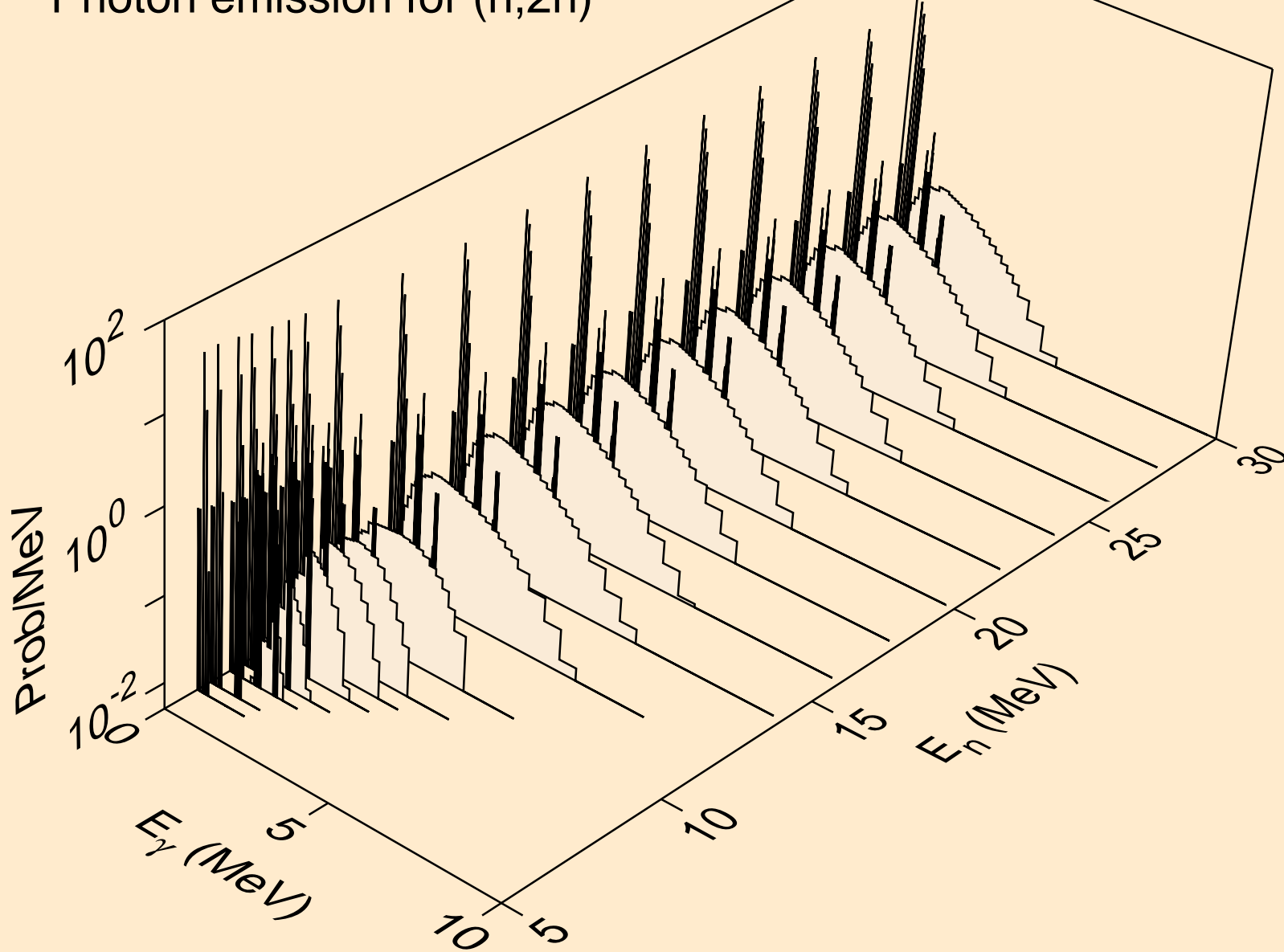


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

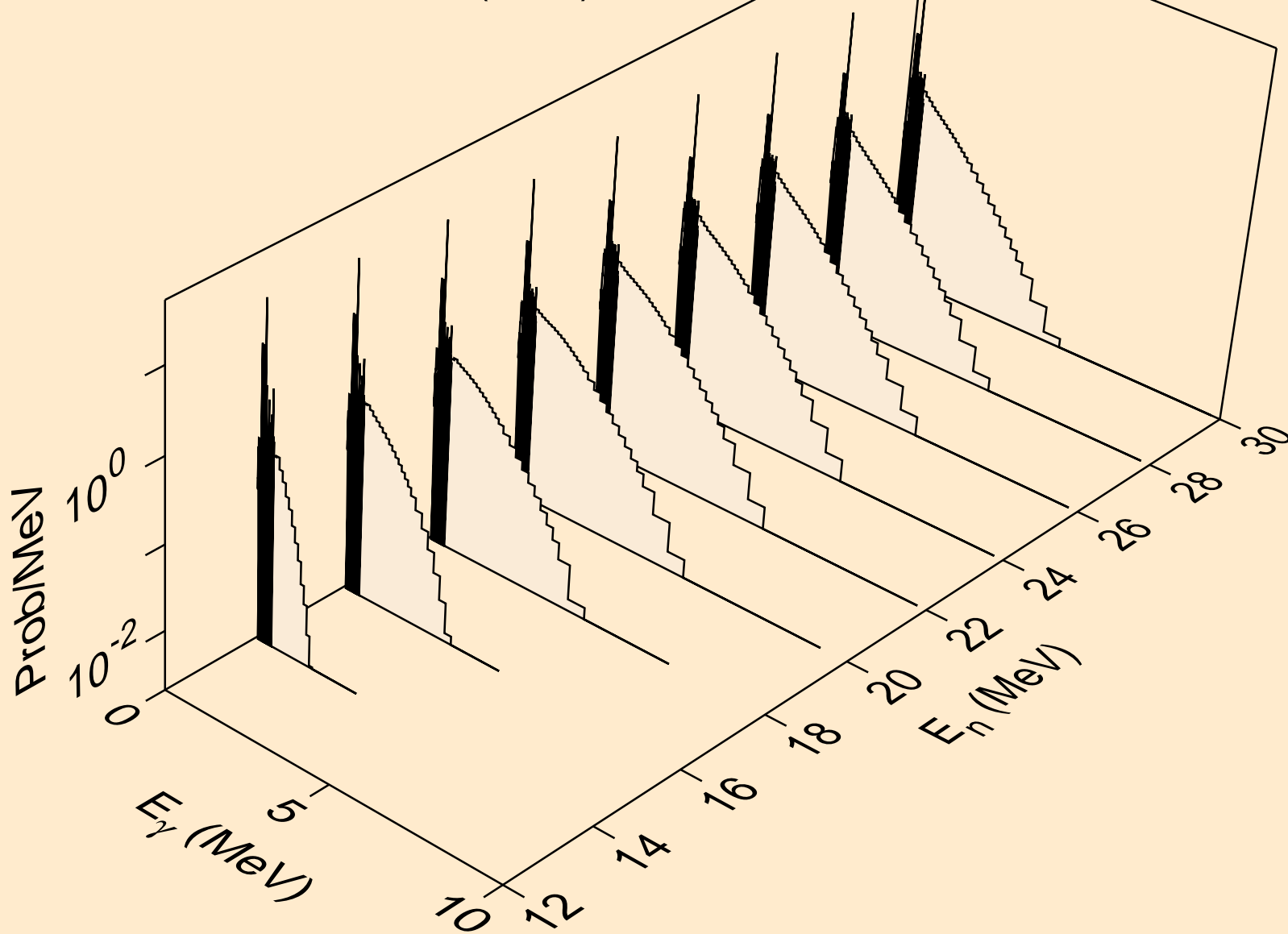




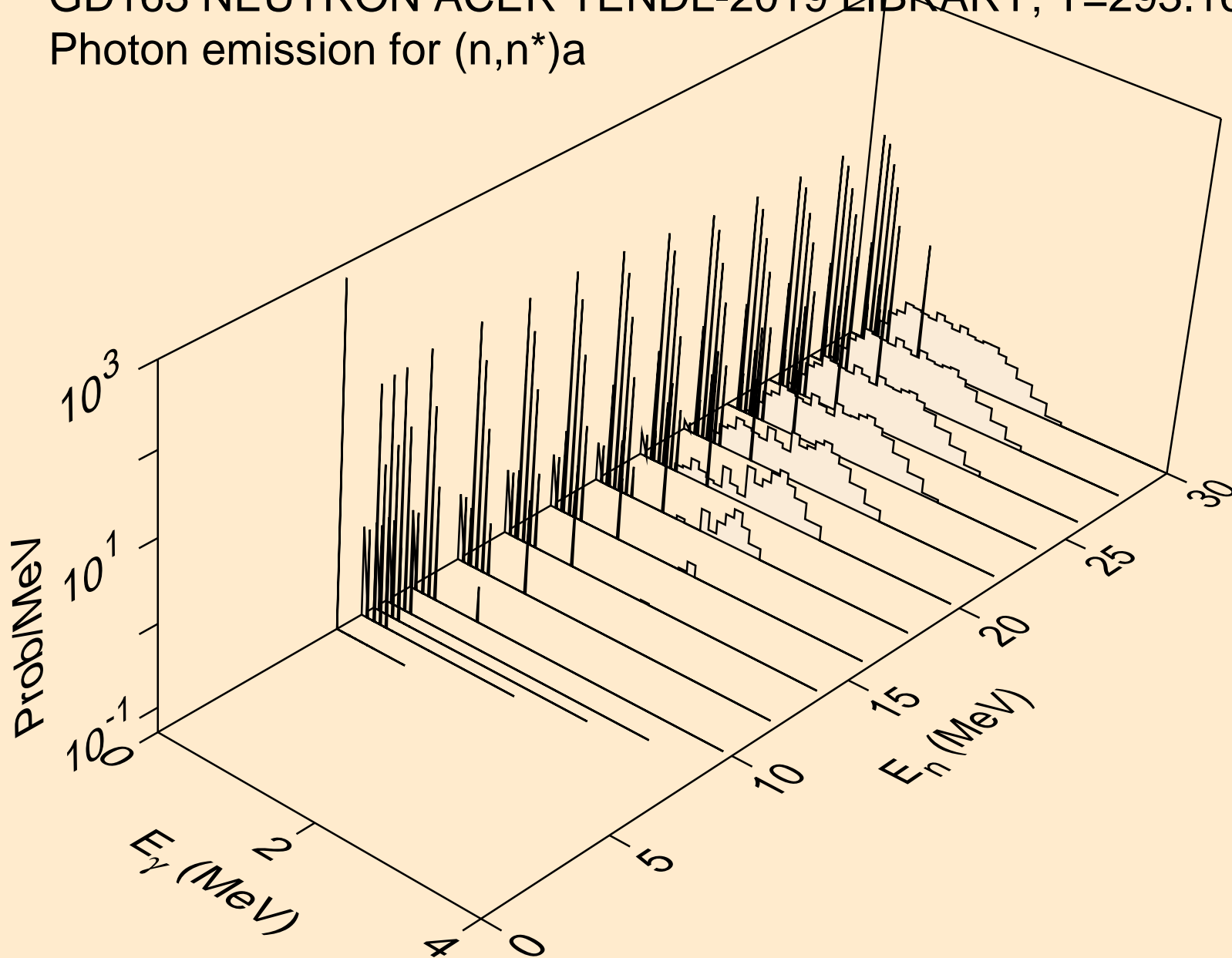
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



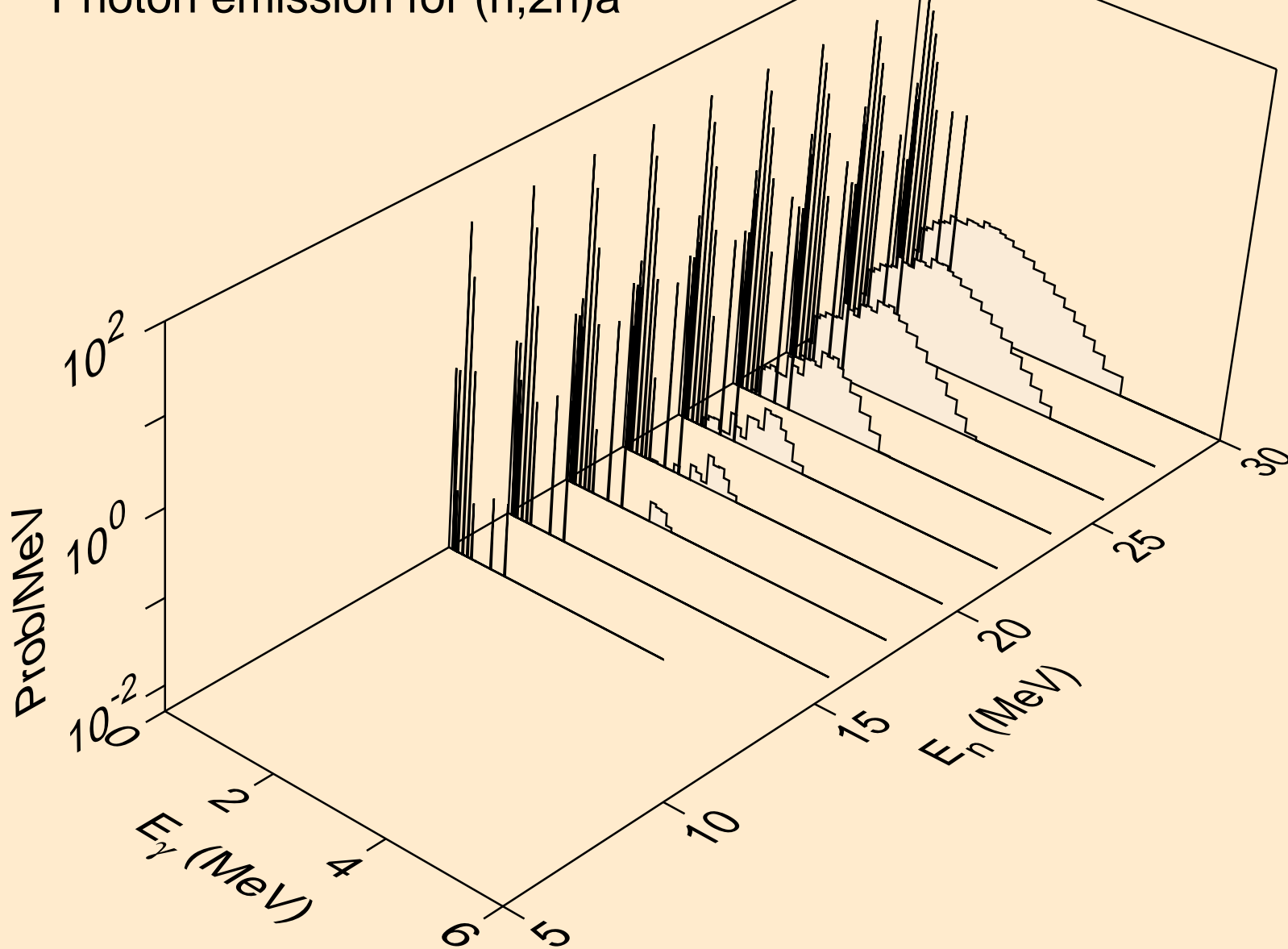
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



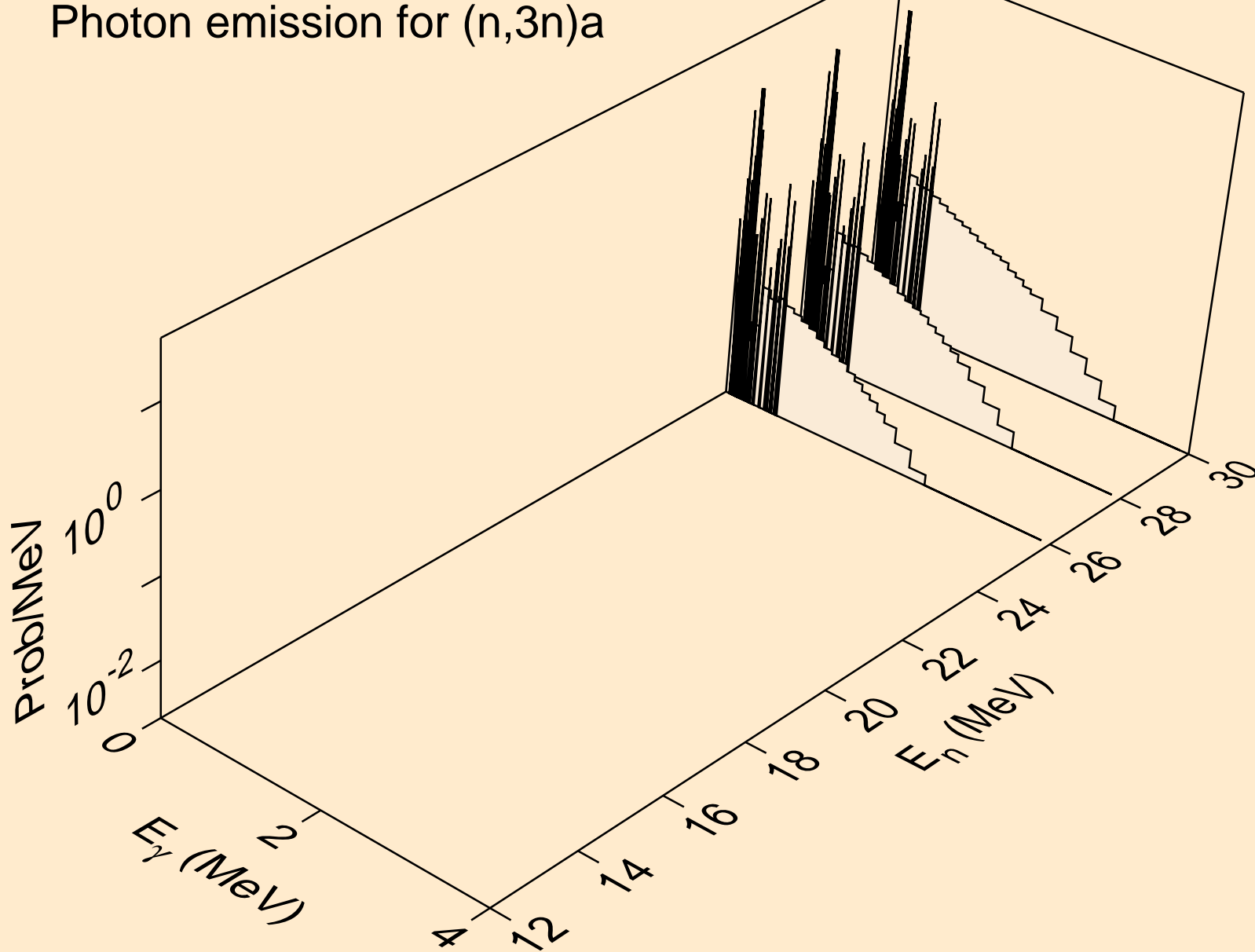
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Photon emission for (n,n\*)a



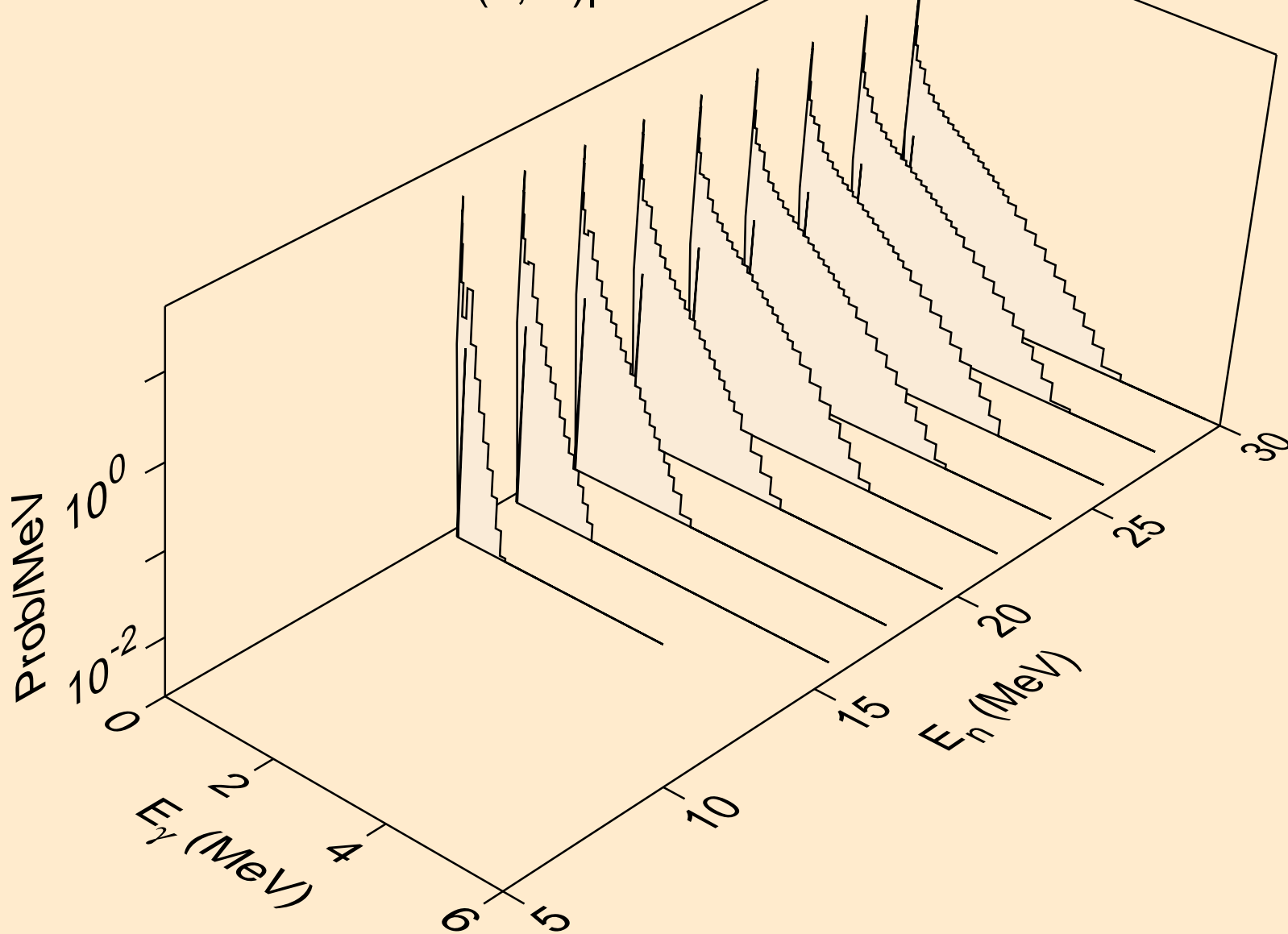
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Photon emission for (n,2n)a



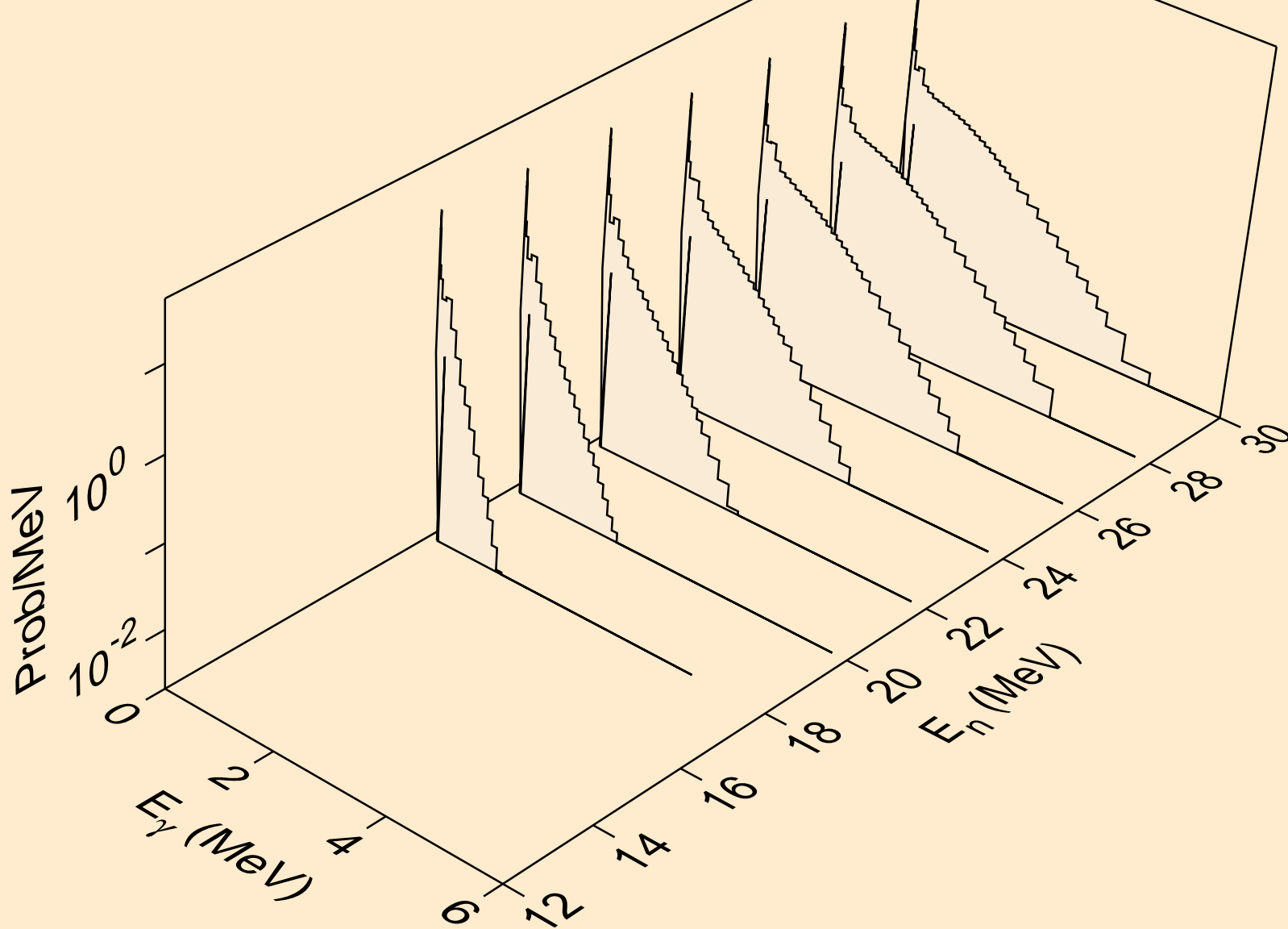
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Photon emission for (n,3n)a



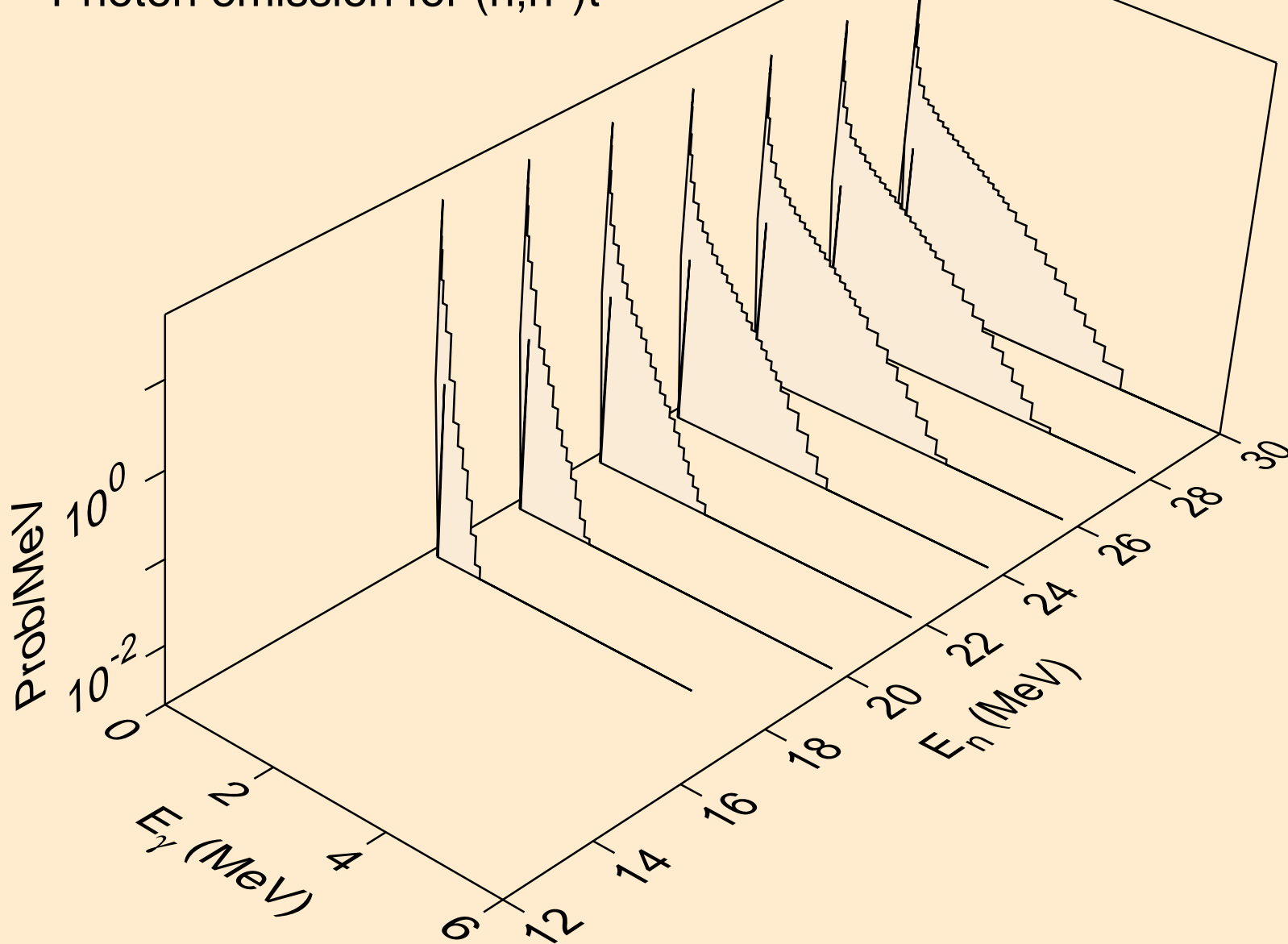
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

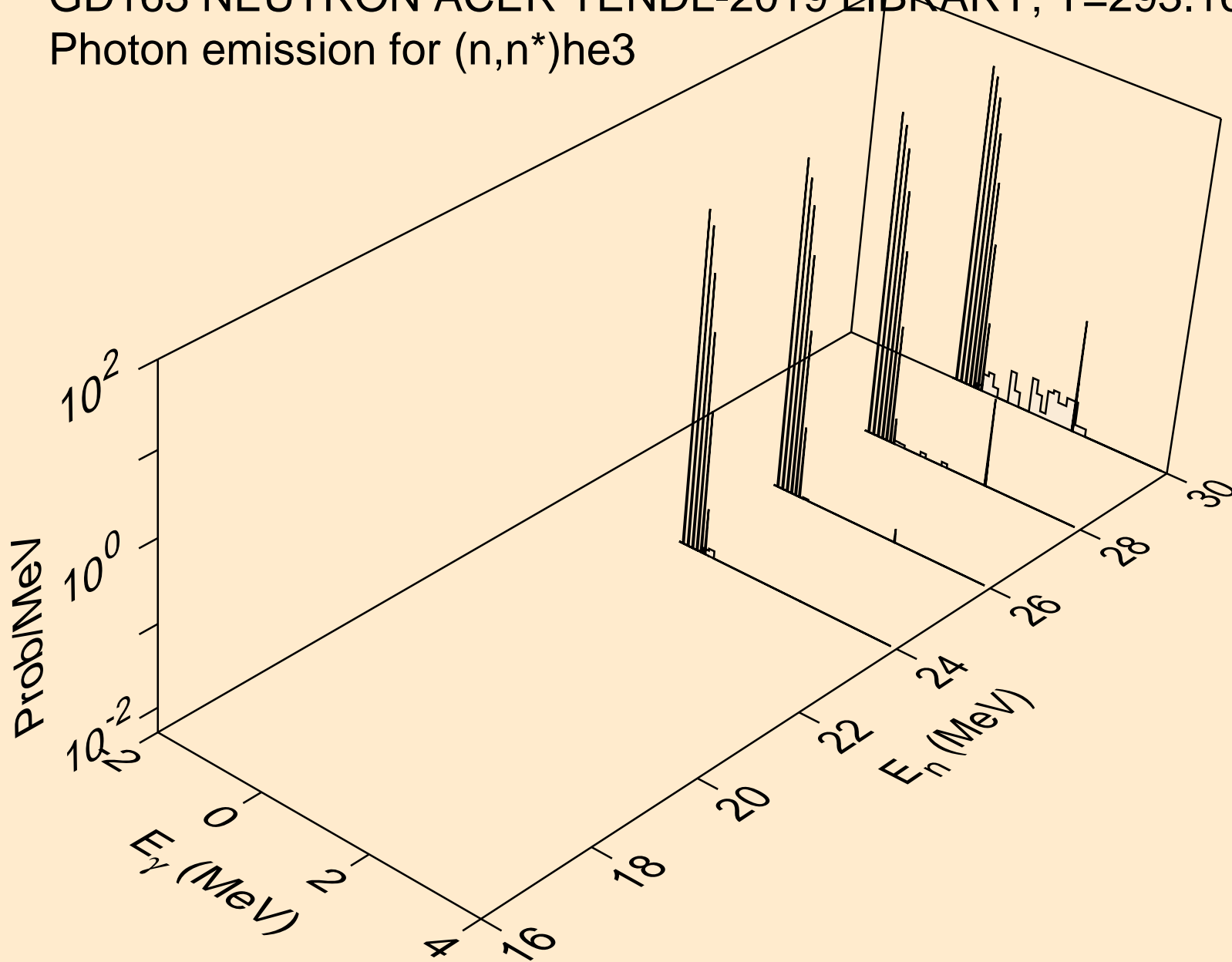


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

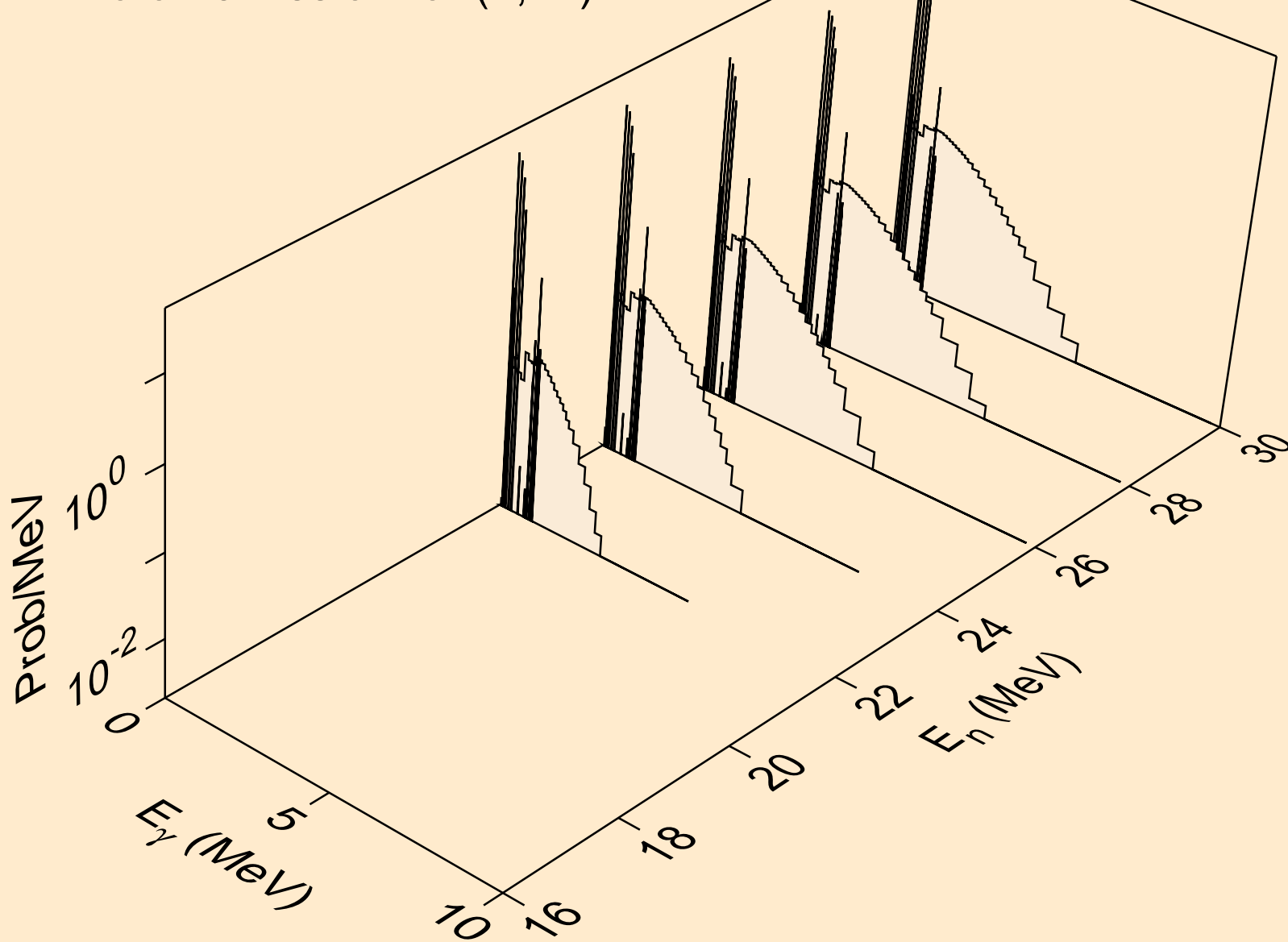




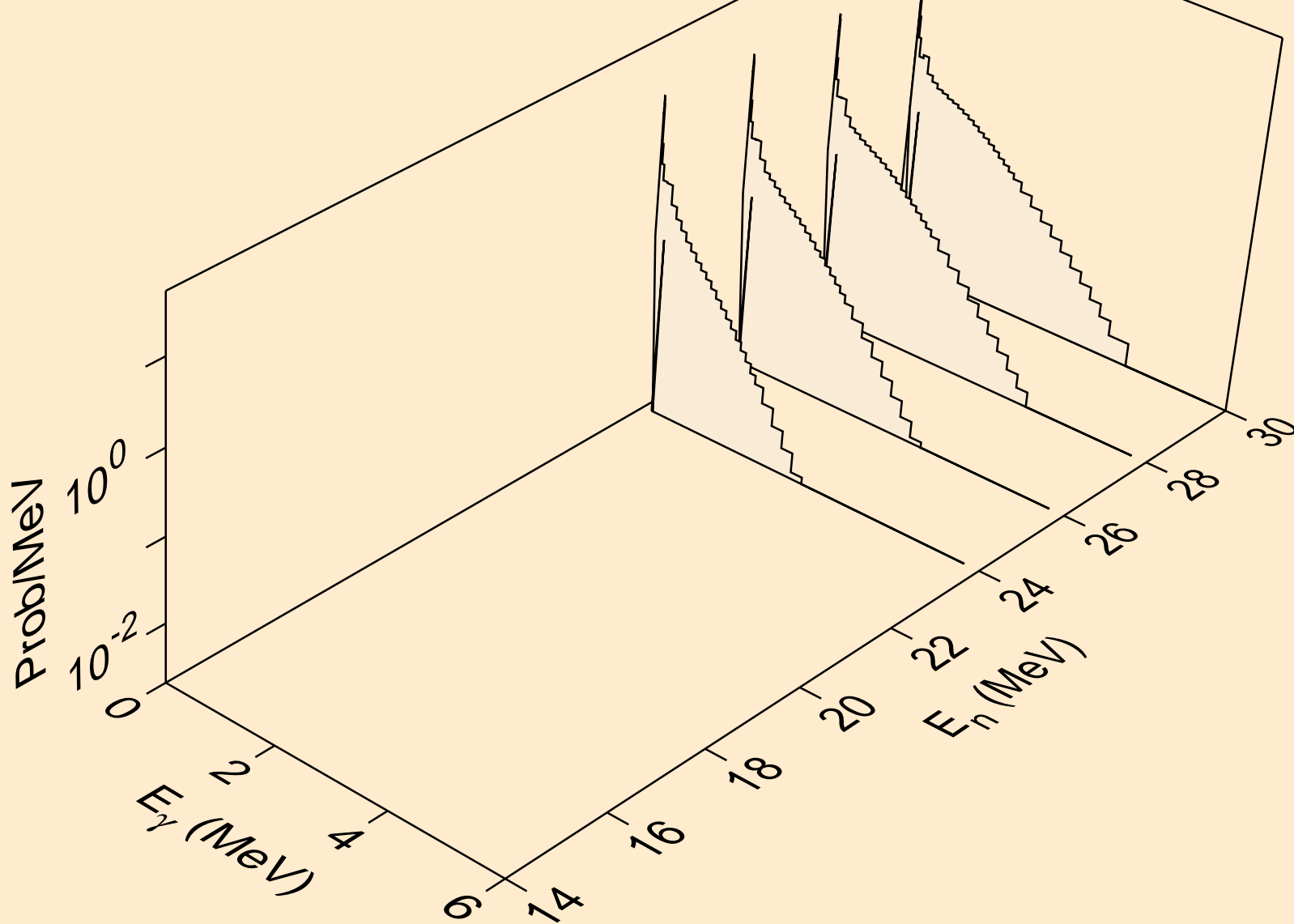
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



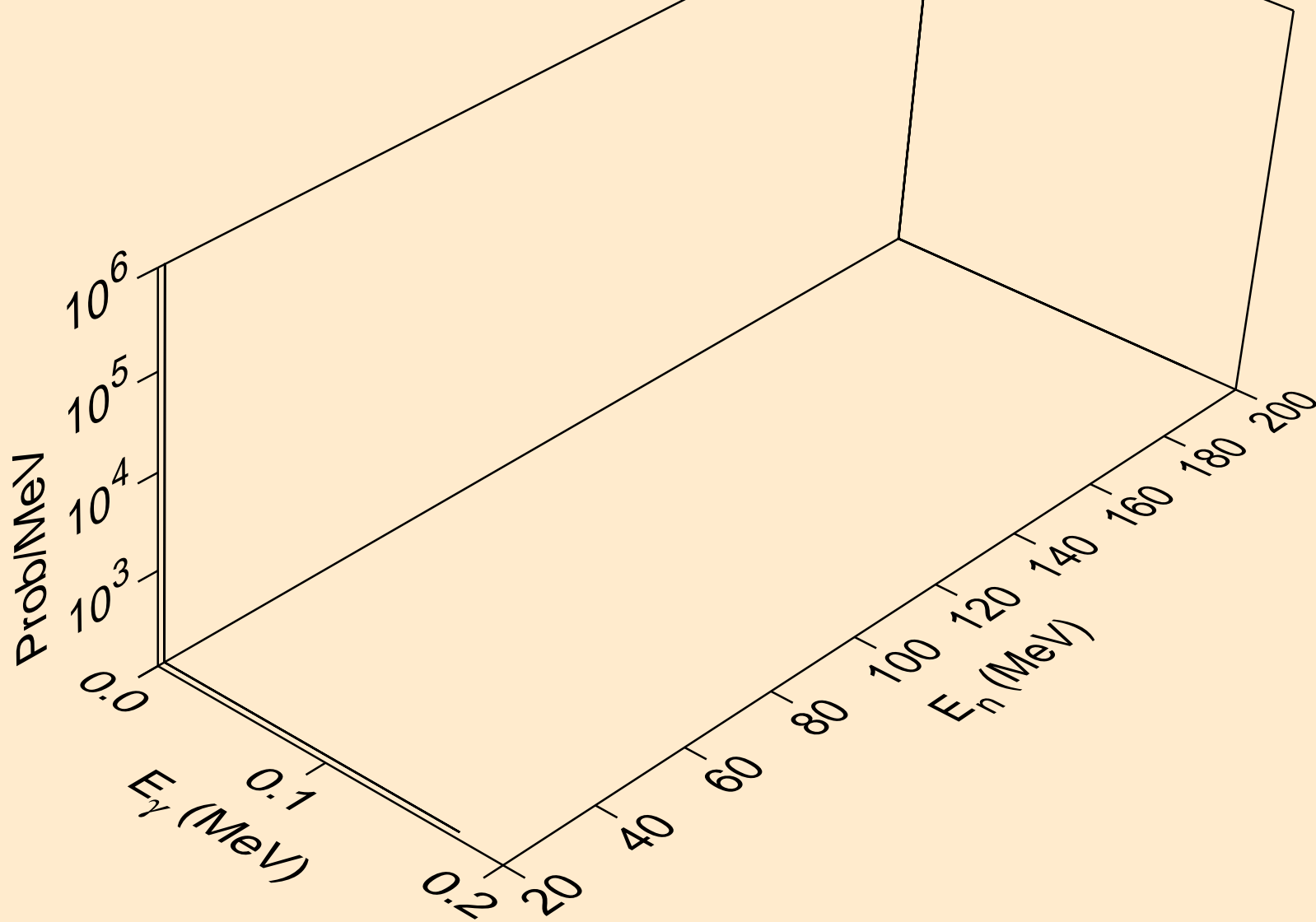
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Photon emission for (n,4n)



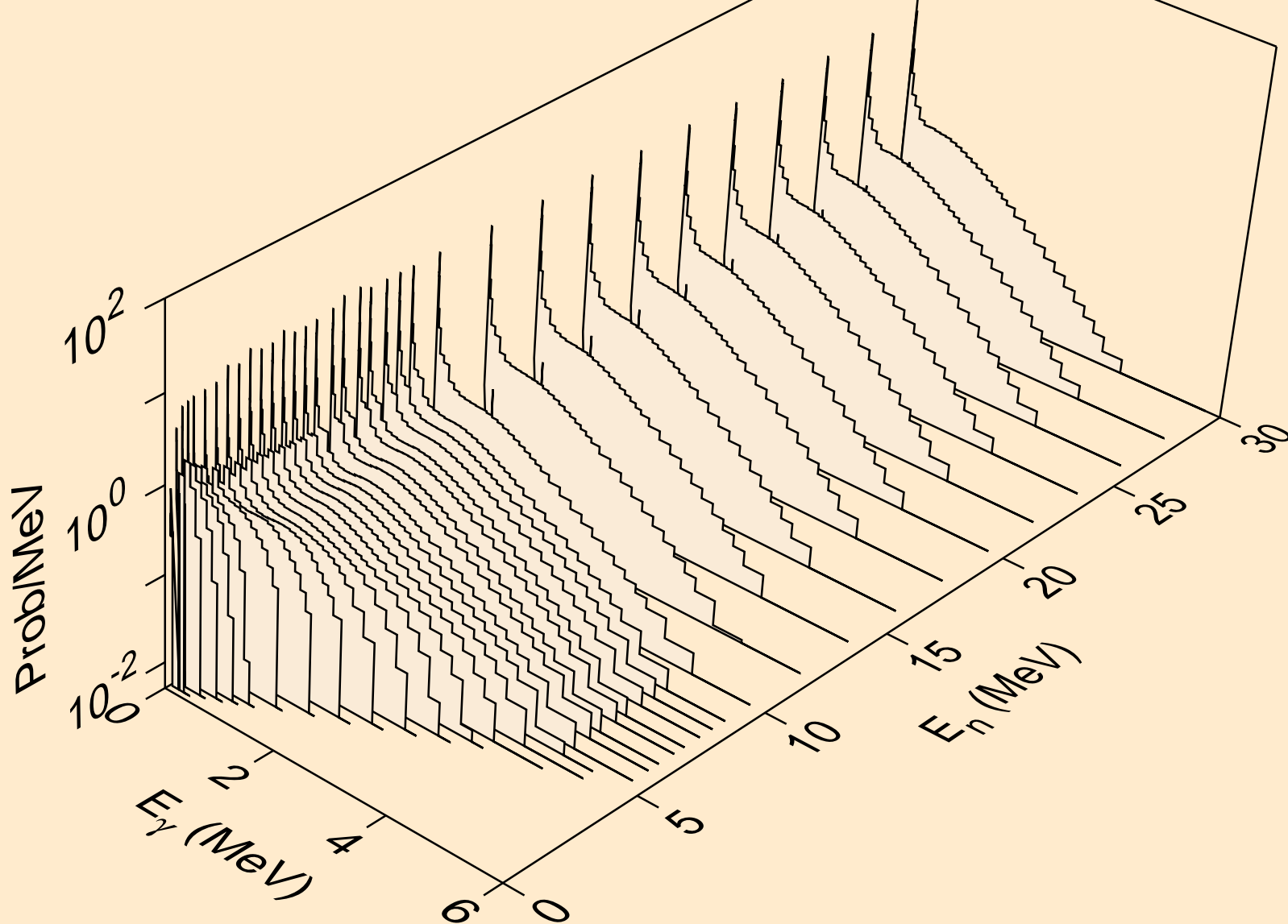
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Photon emission for (n,2np)



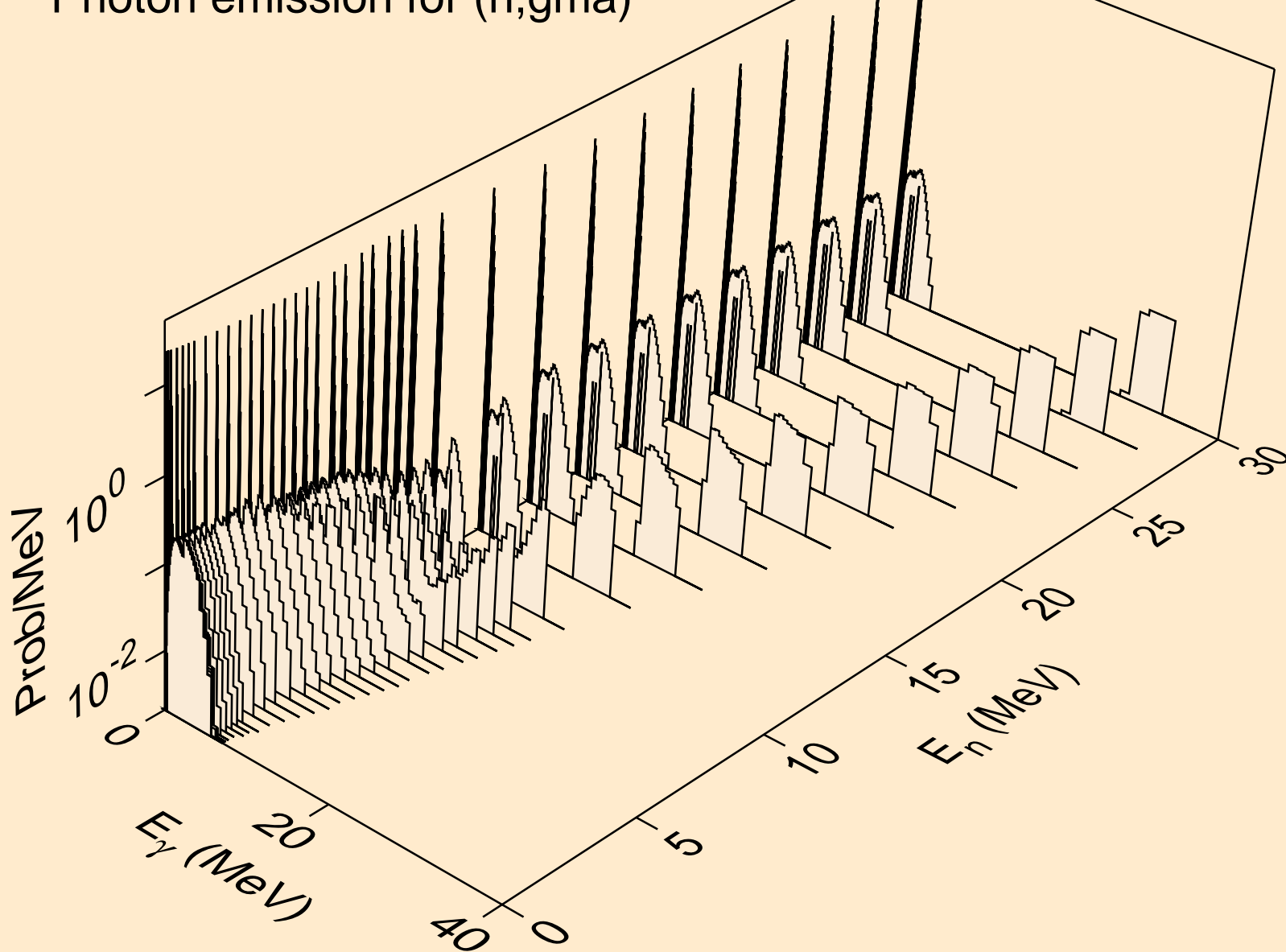
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Photon emission for (n,3np)



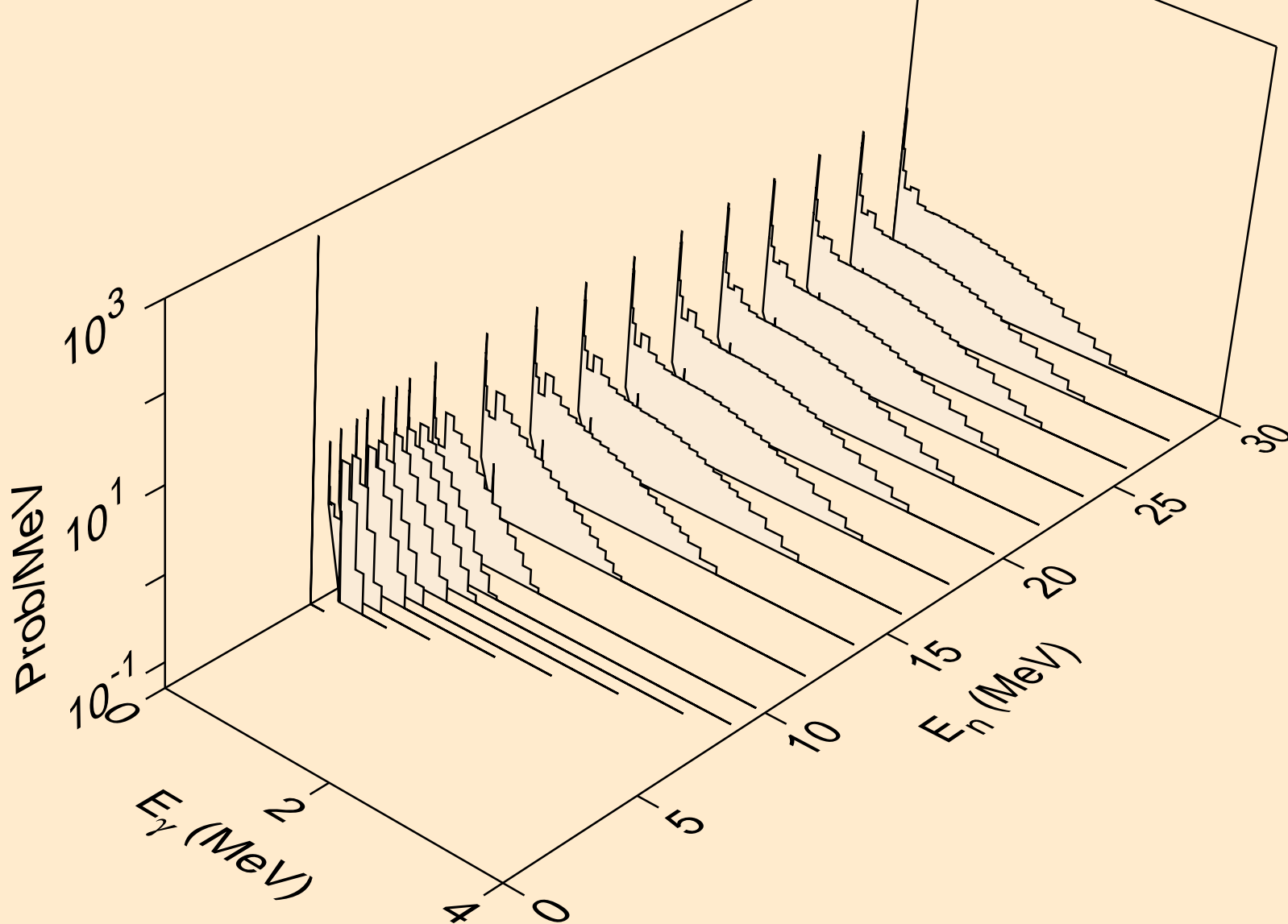
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



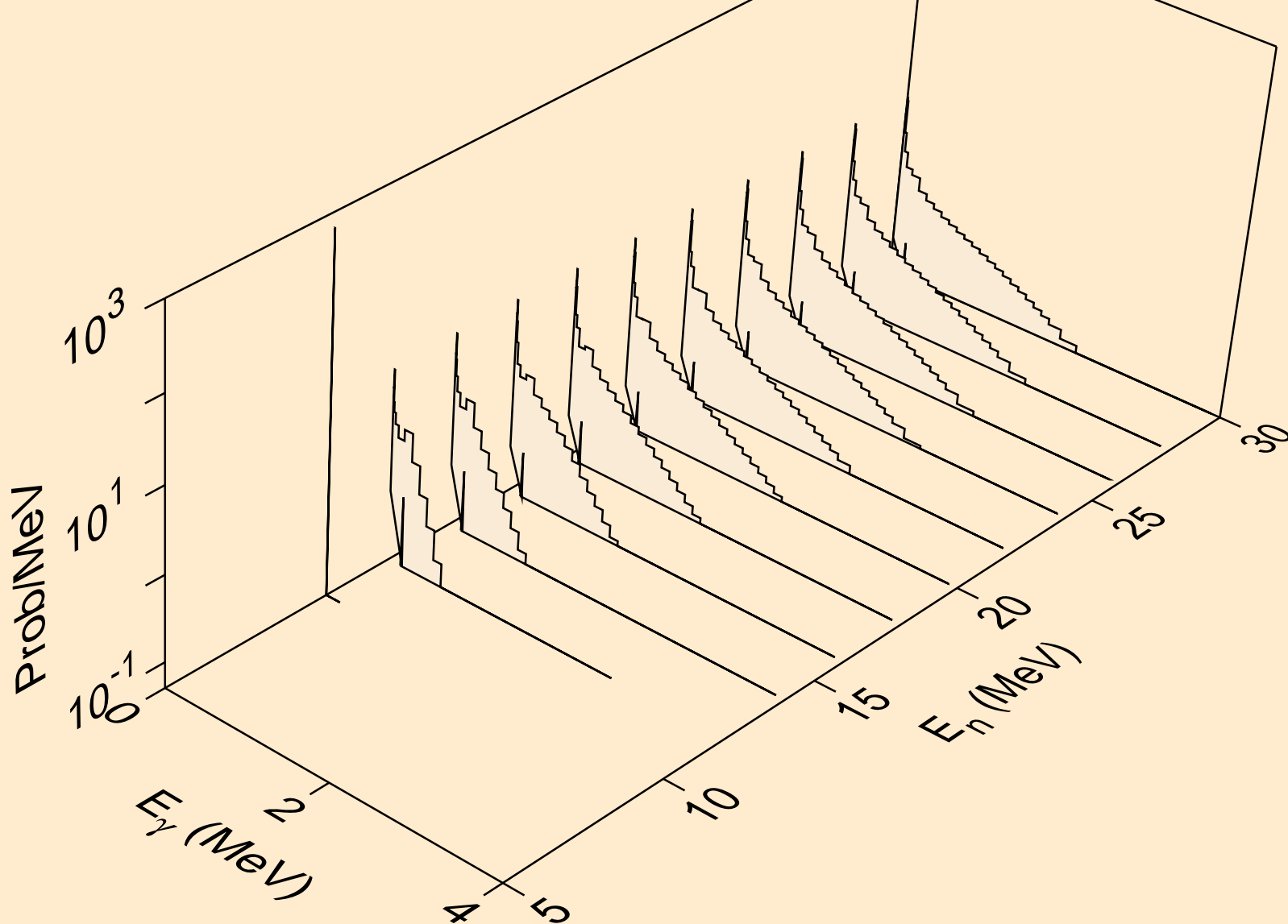
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

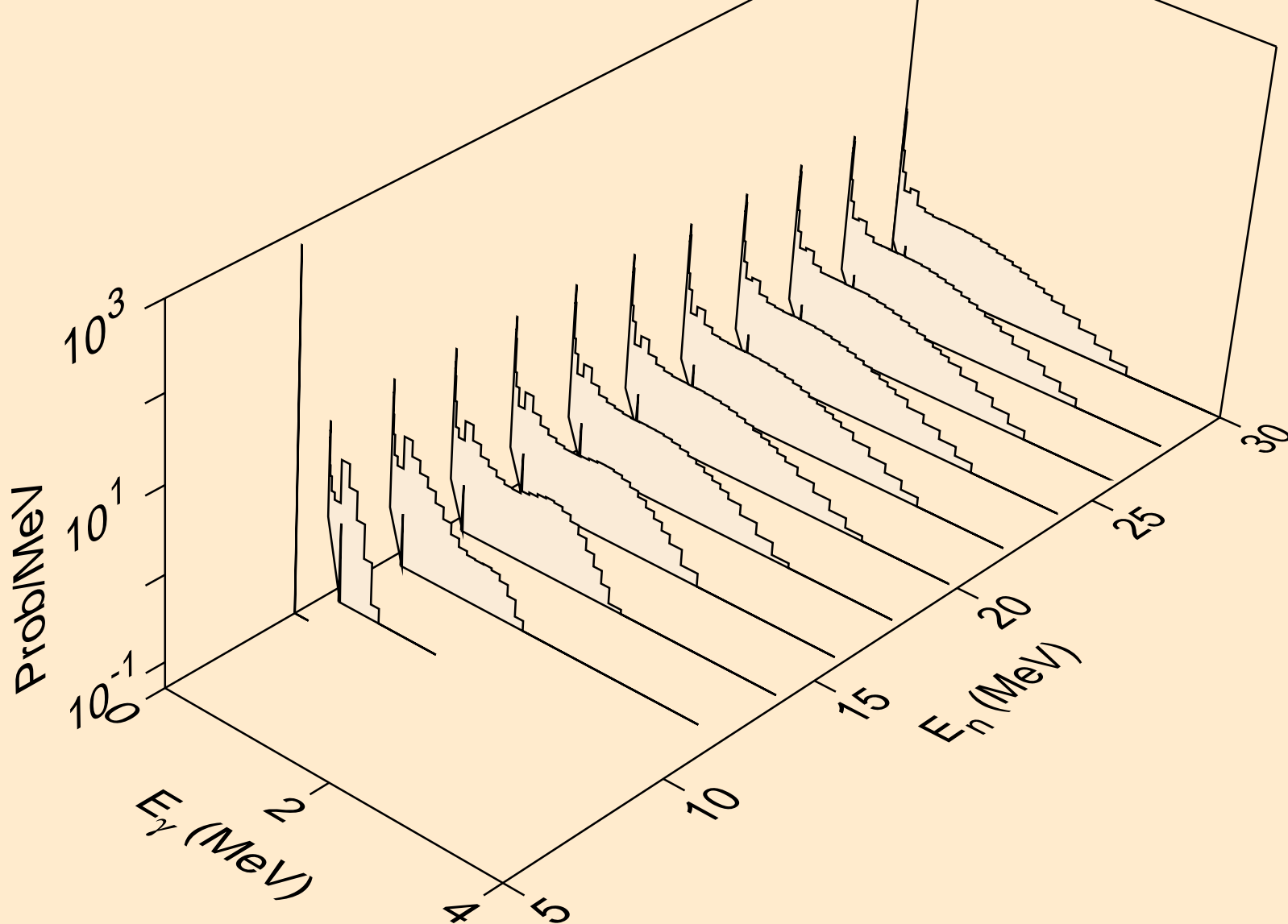


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

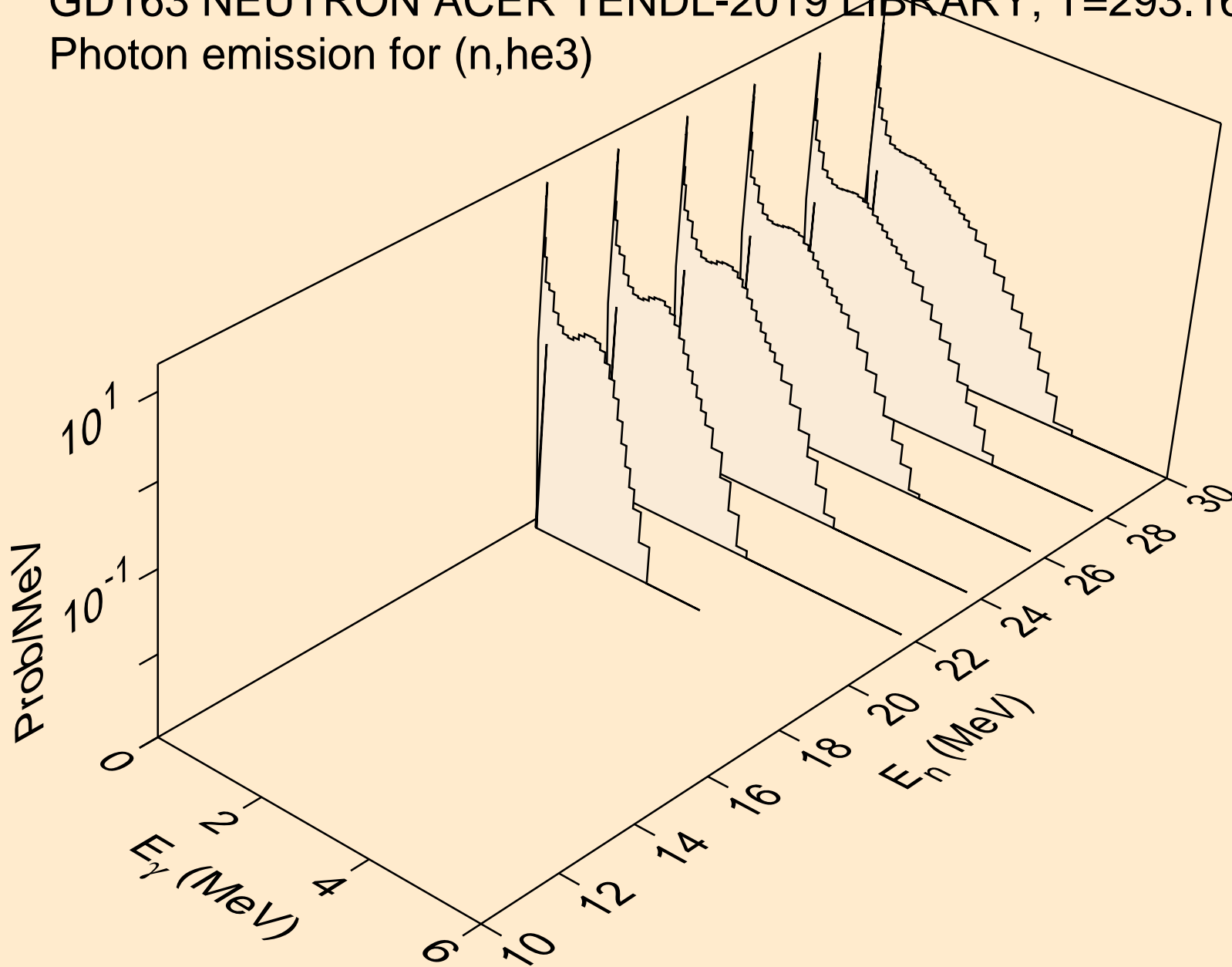




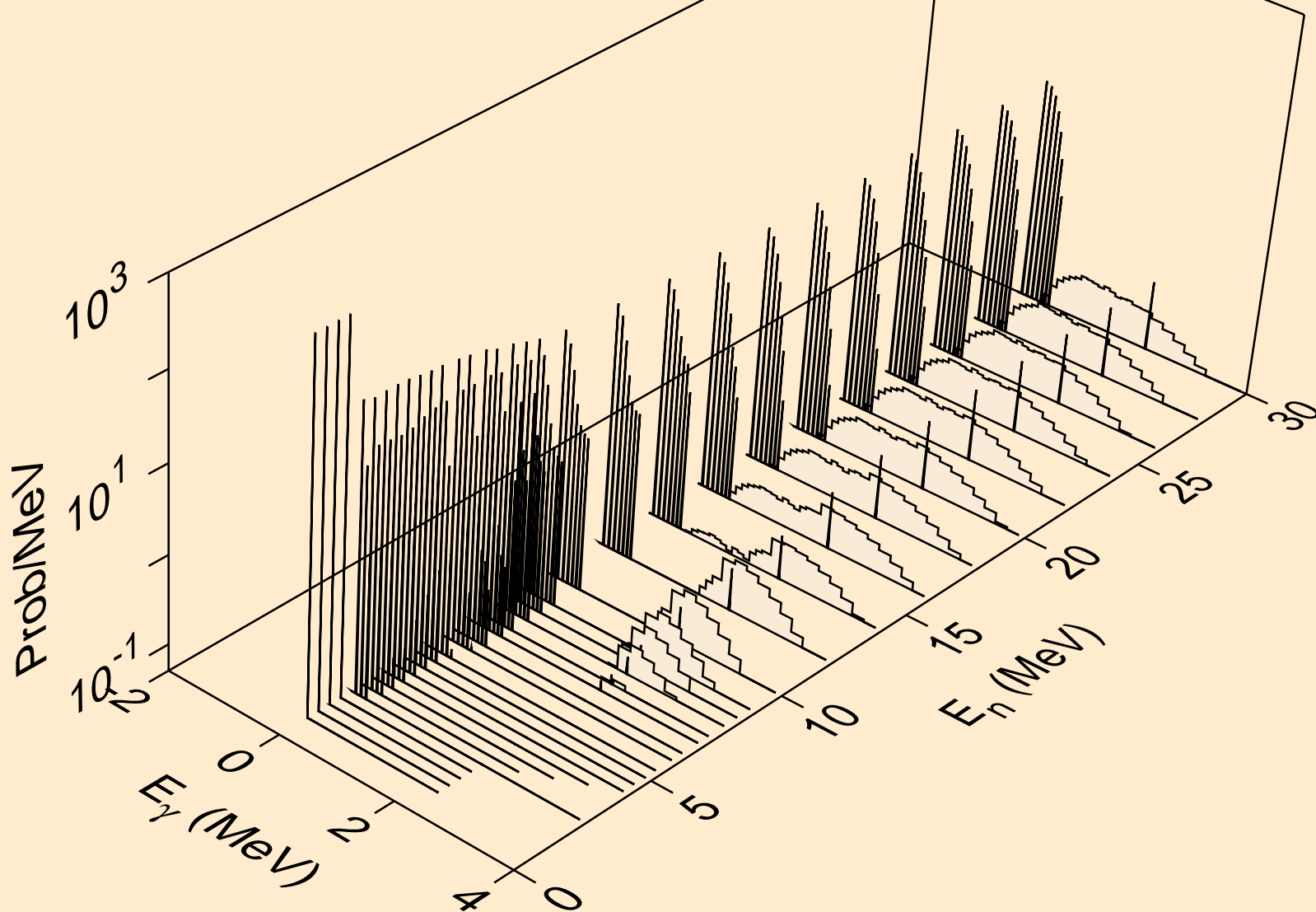
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



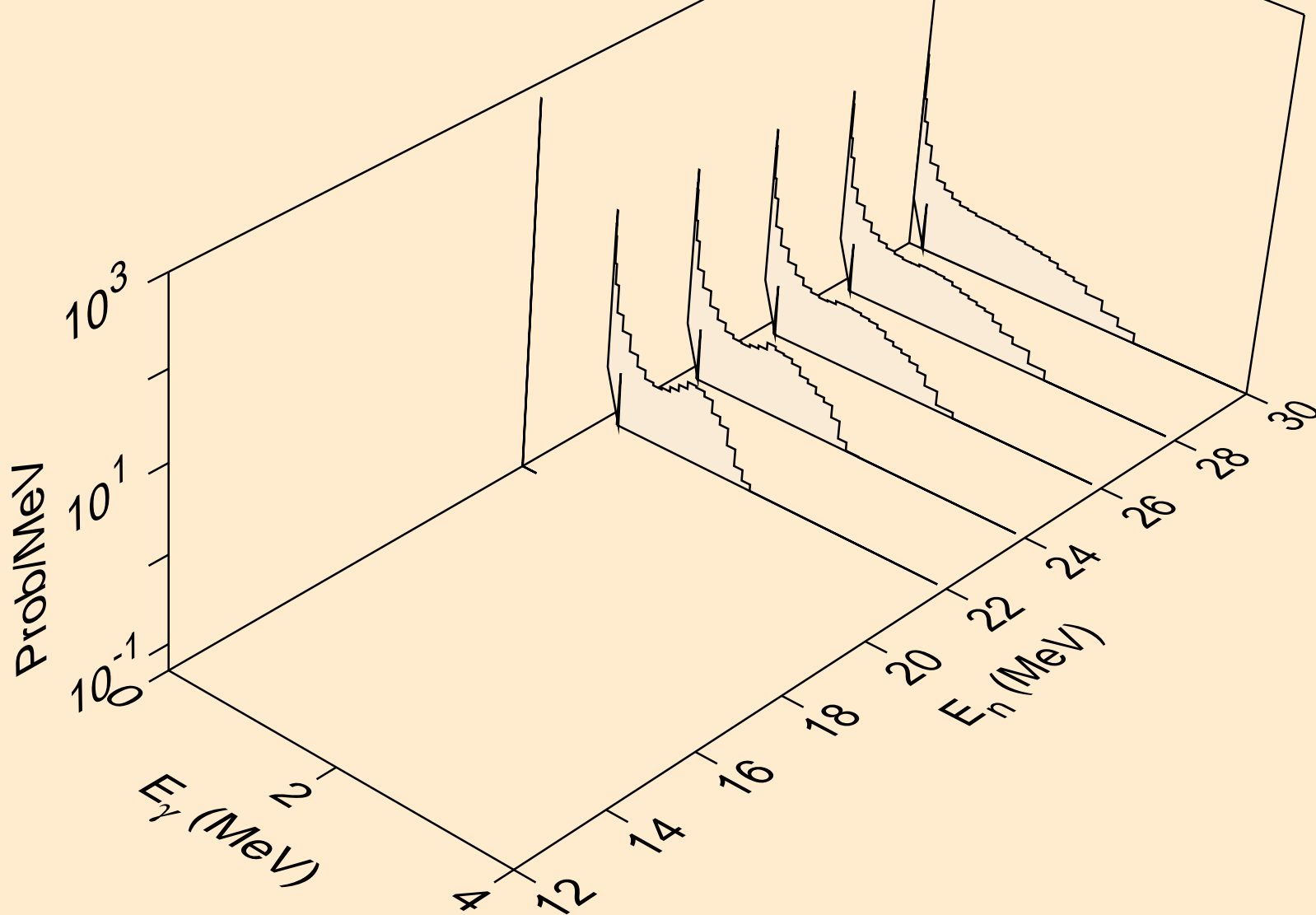
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



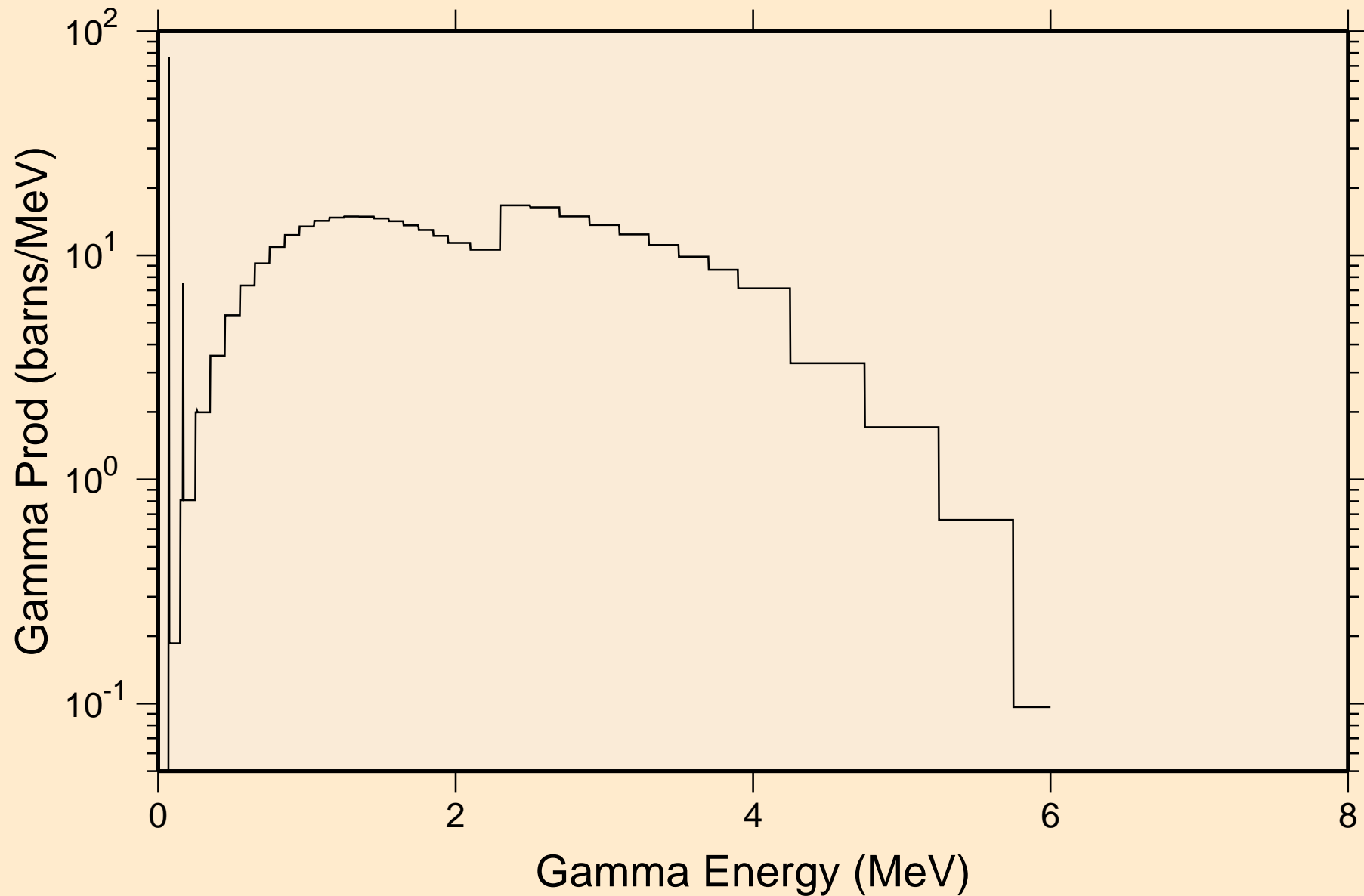
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



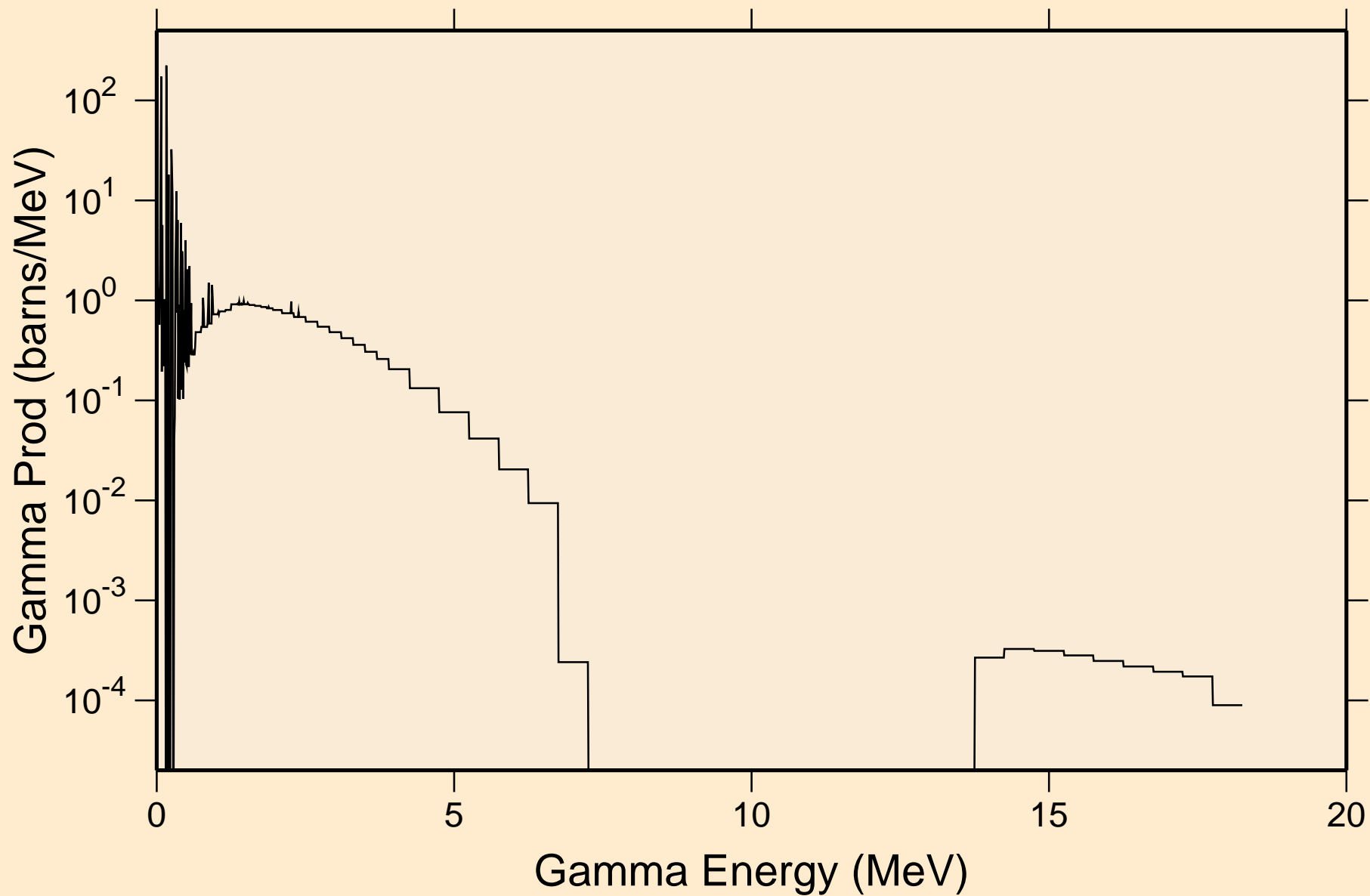
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

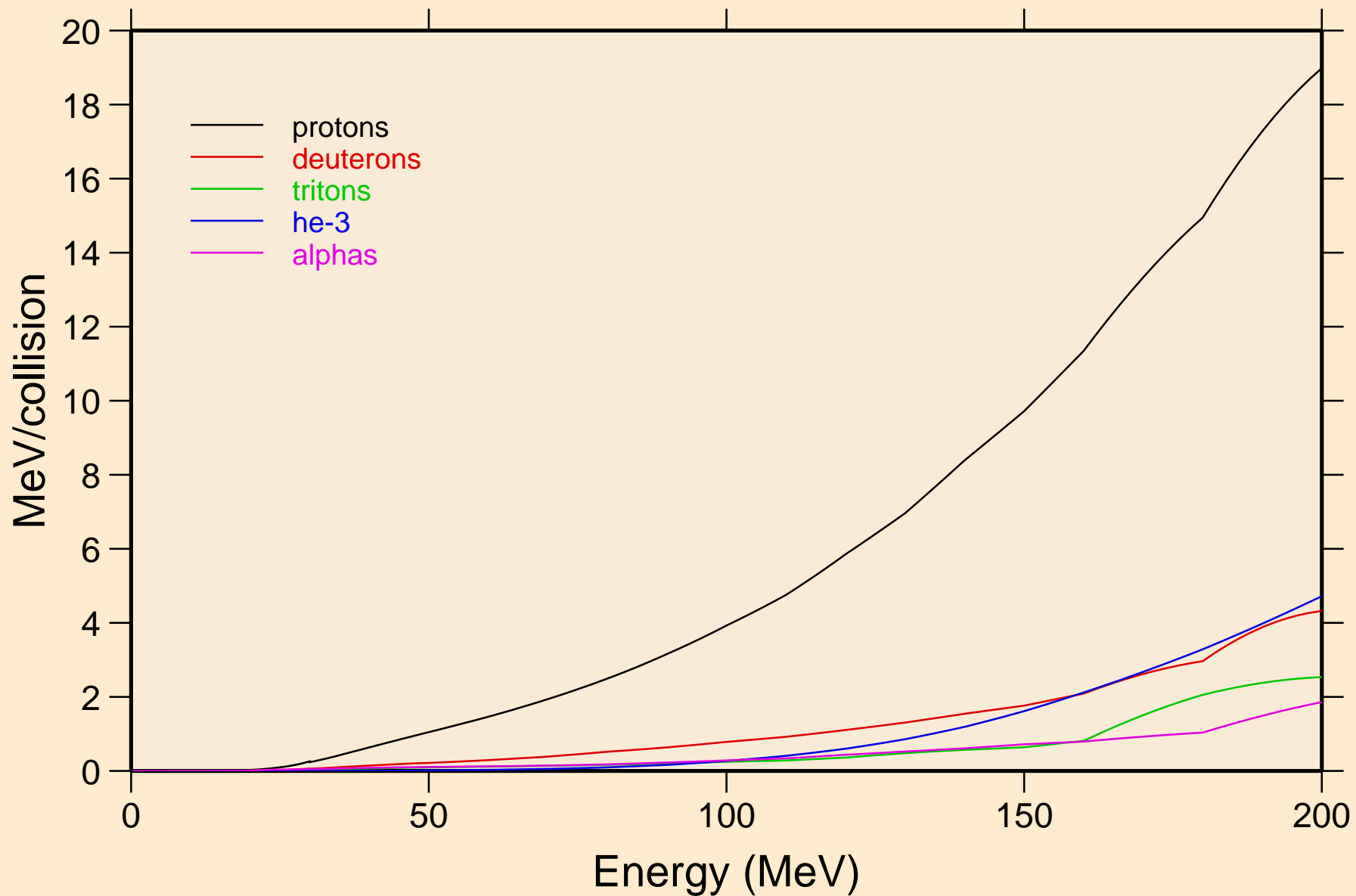


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

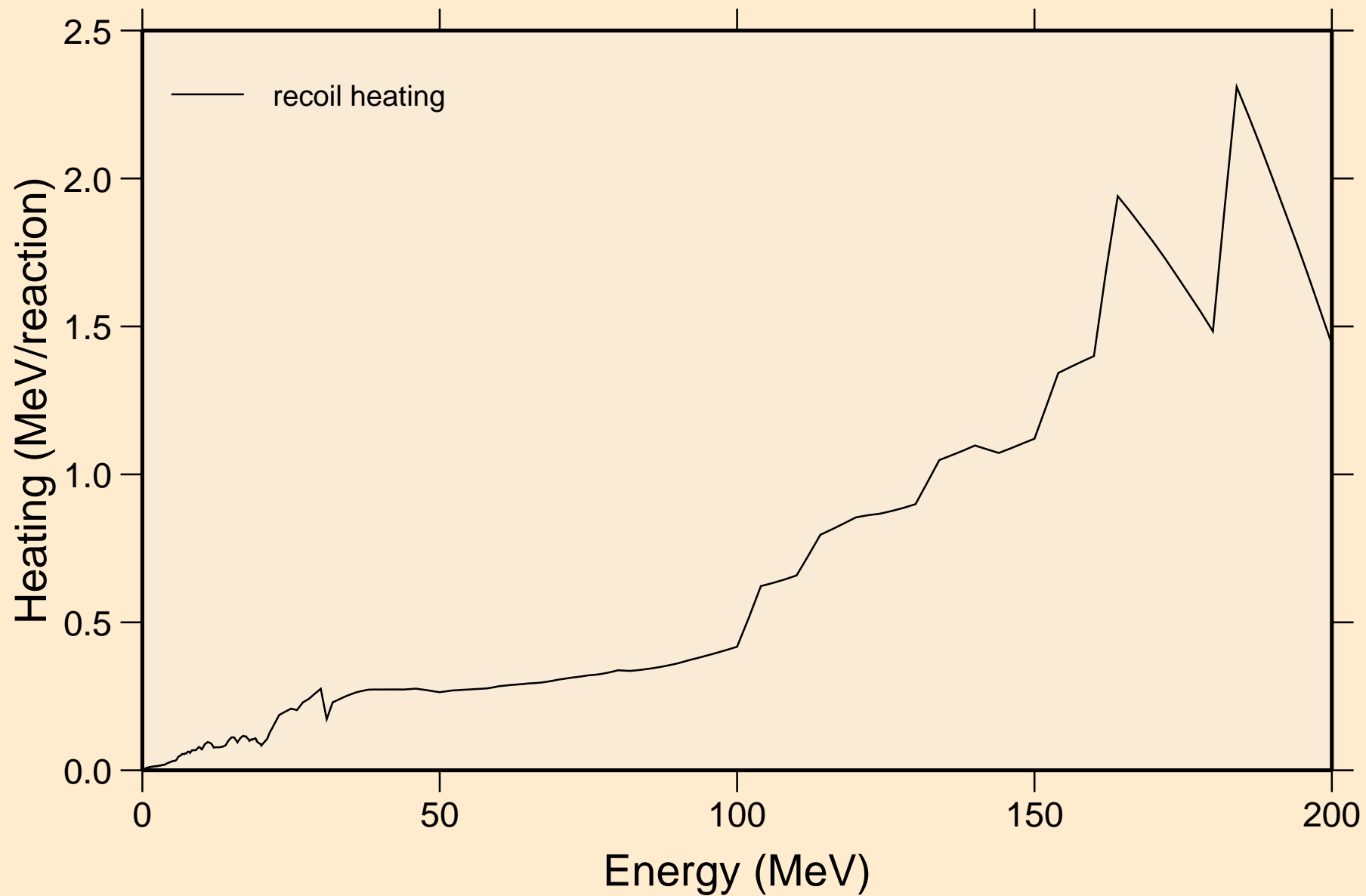


# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions



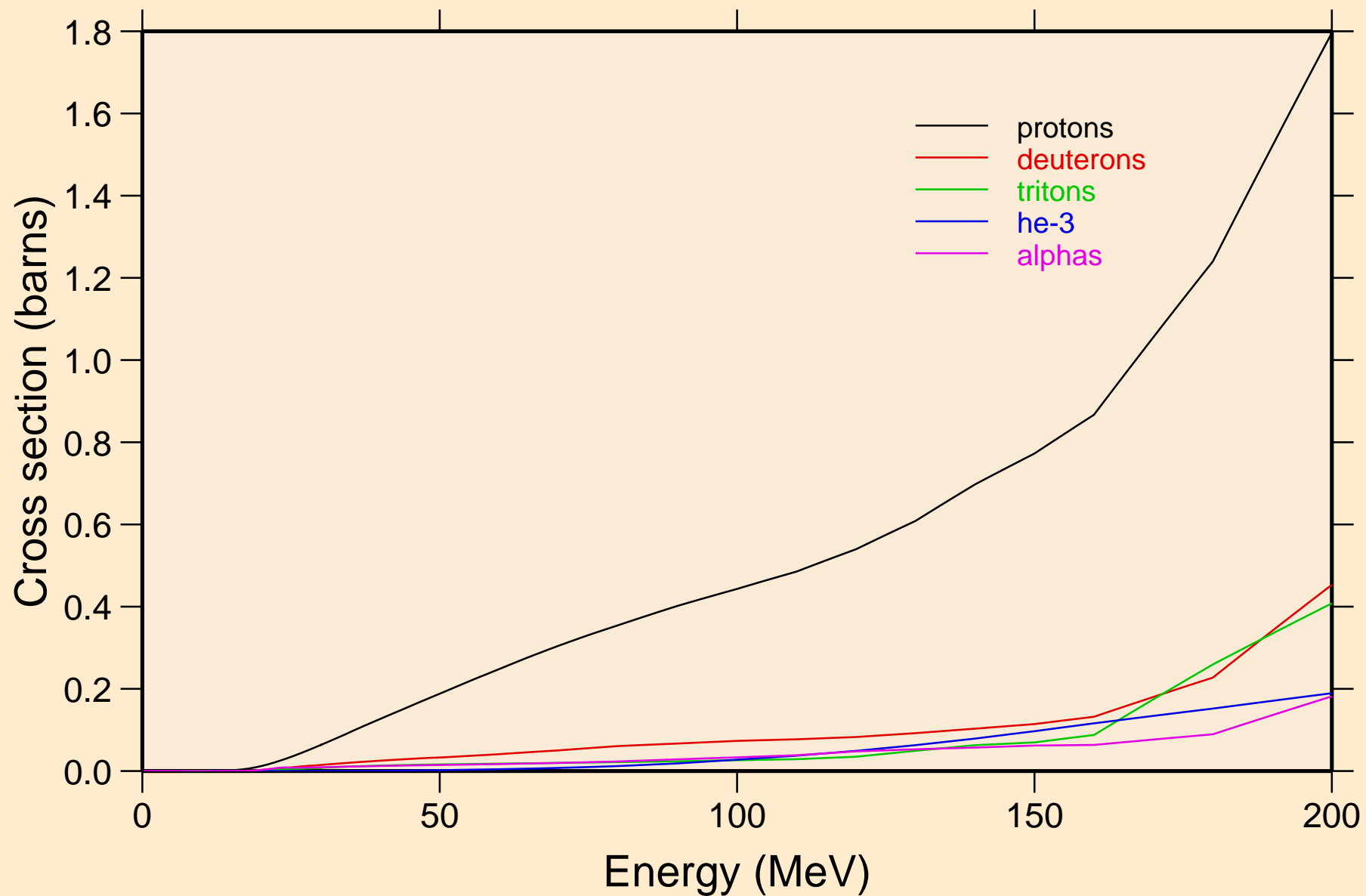
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



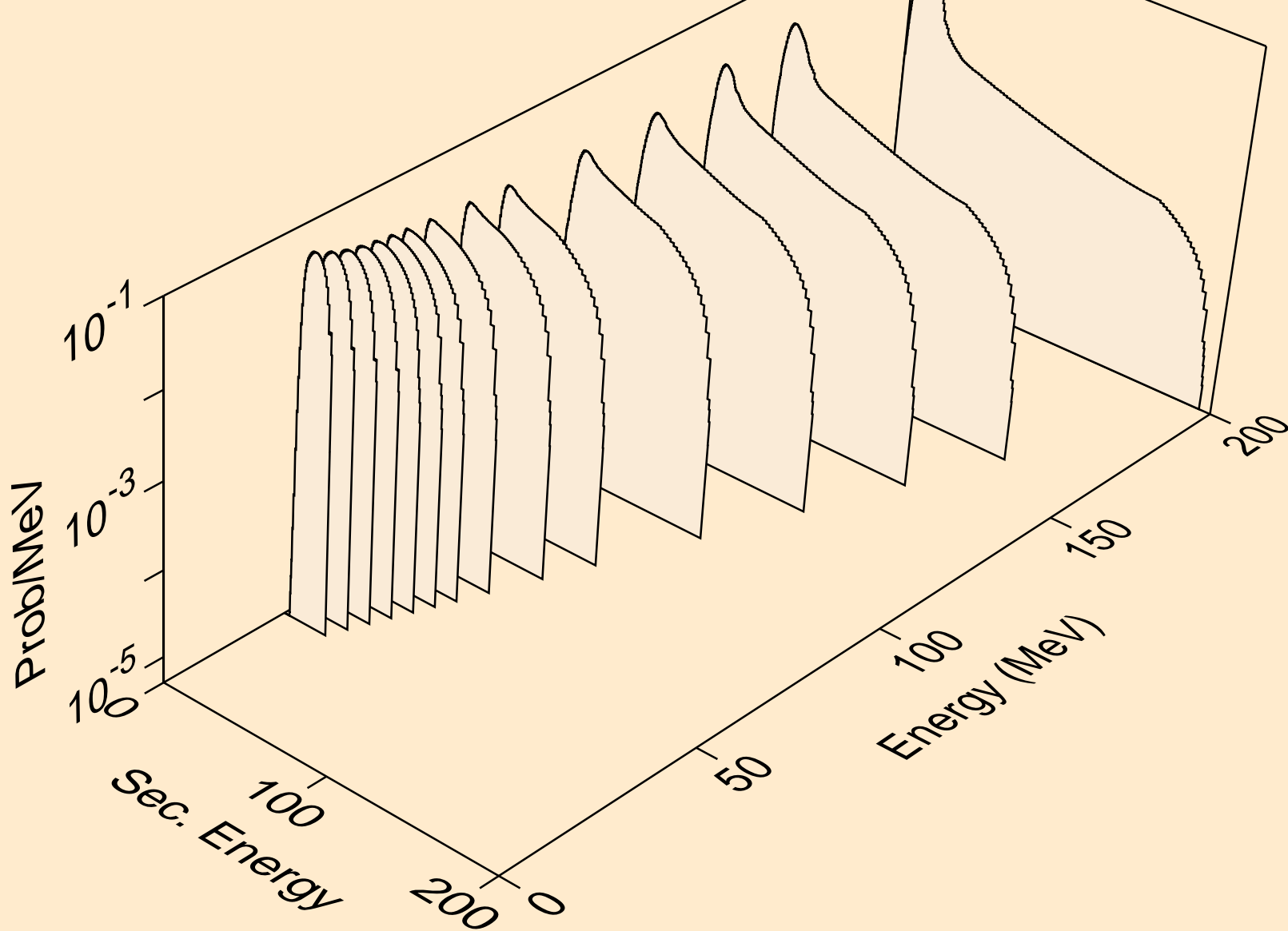


# GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

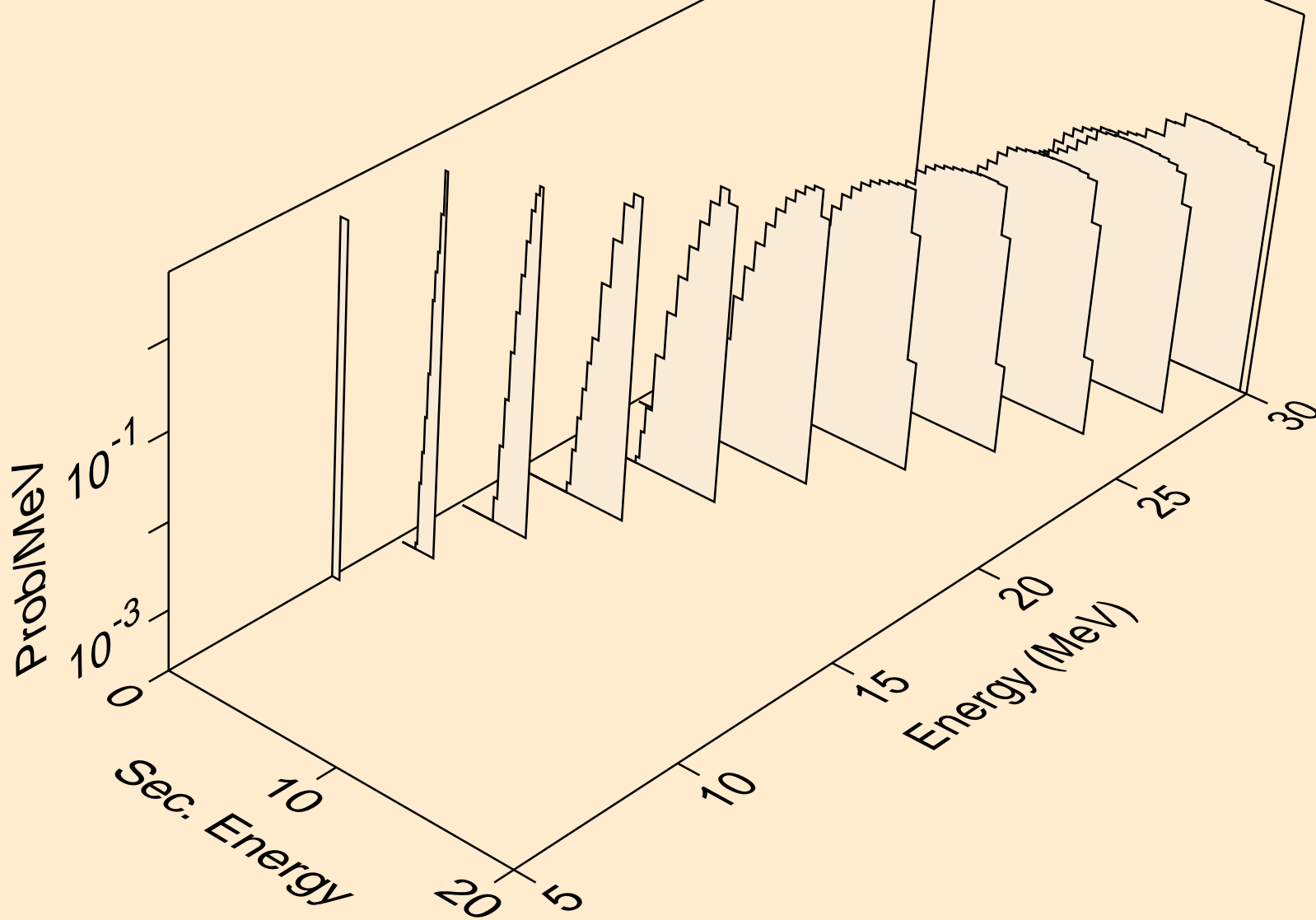
## Particle production cross sections



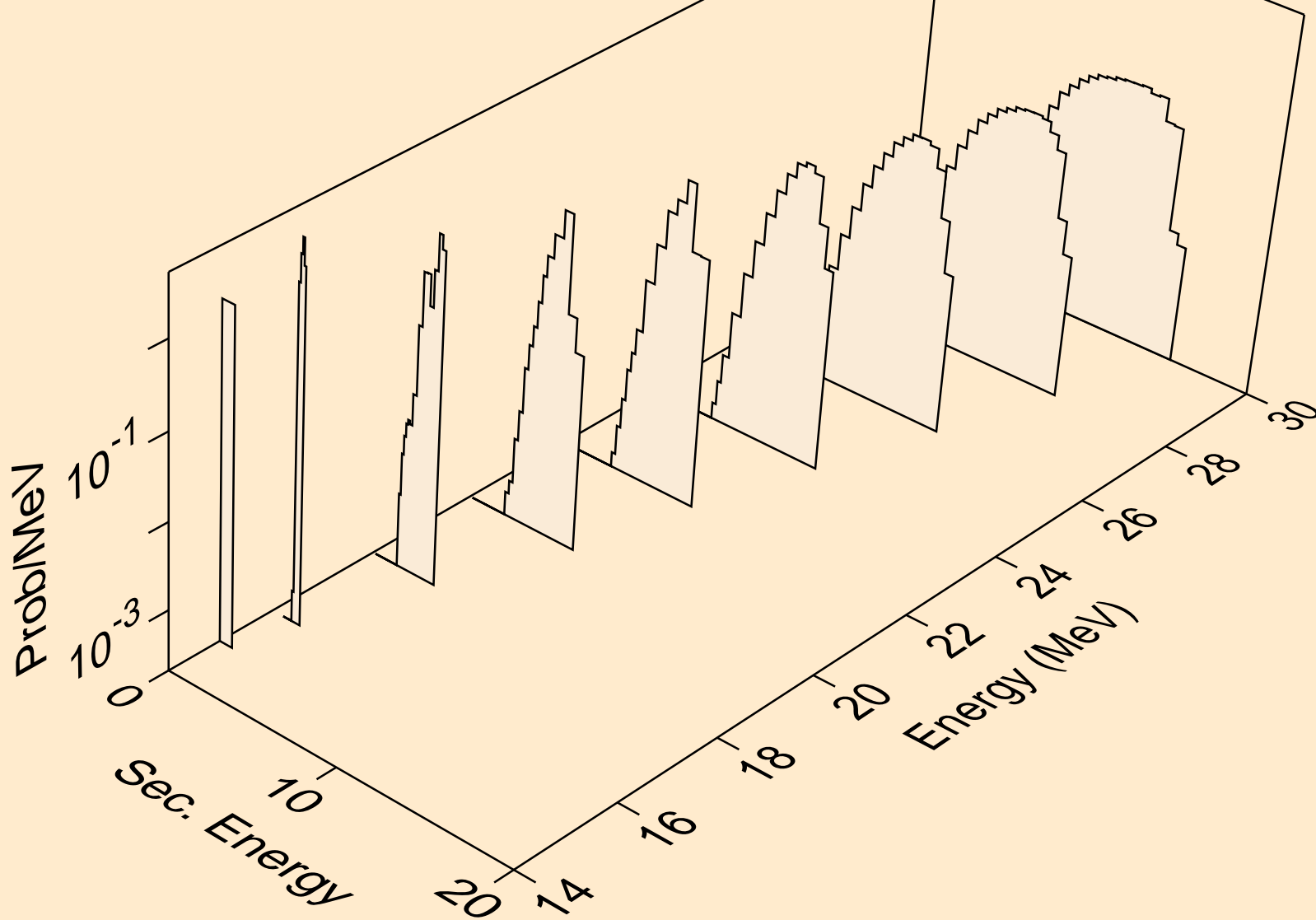
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



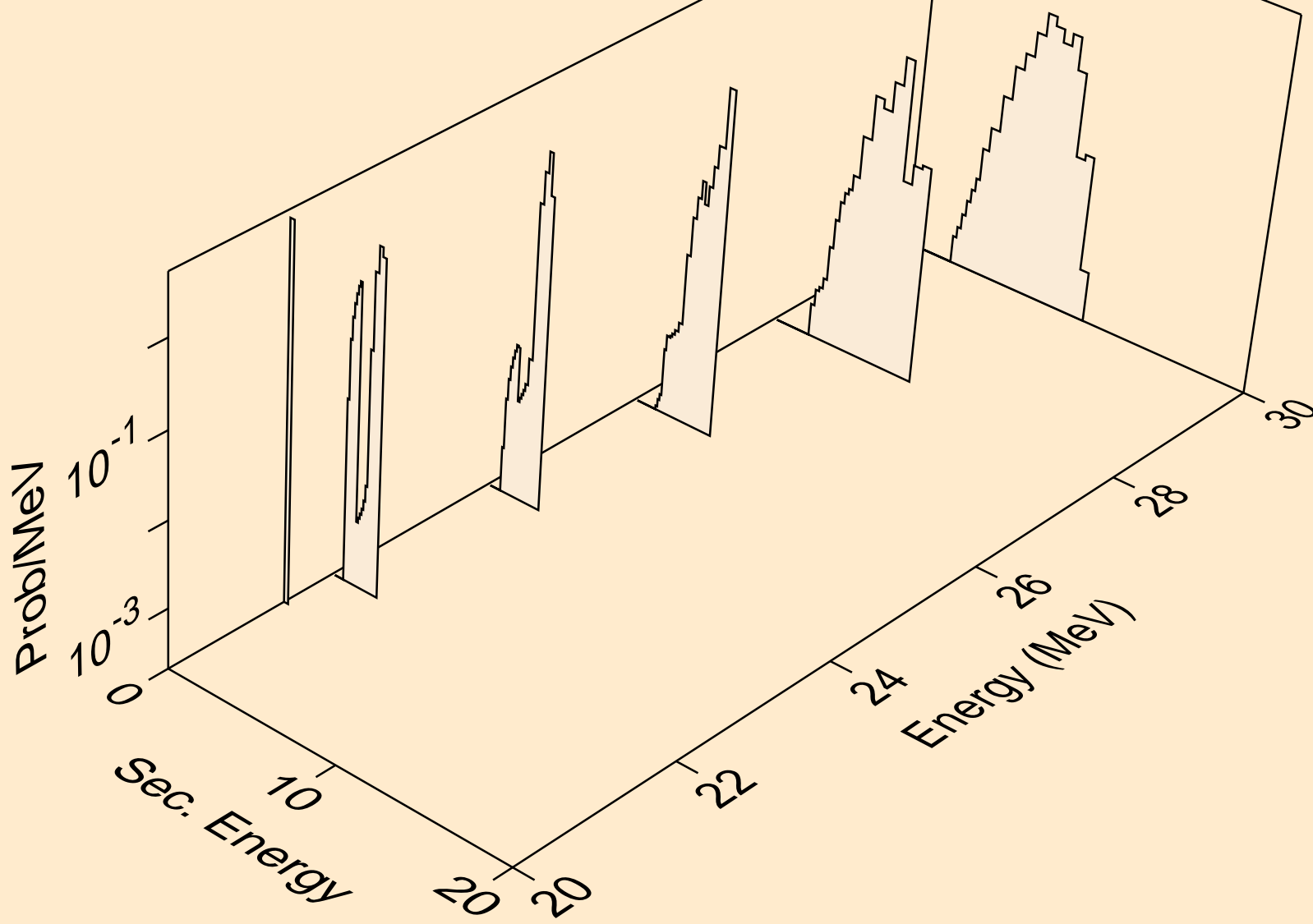
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



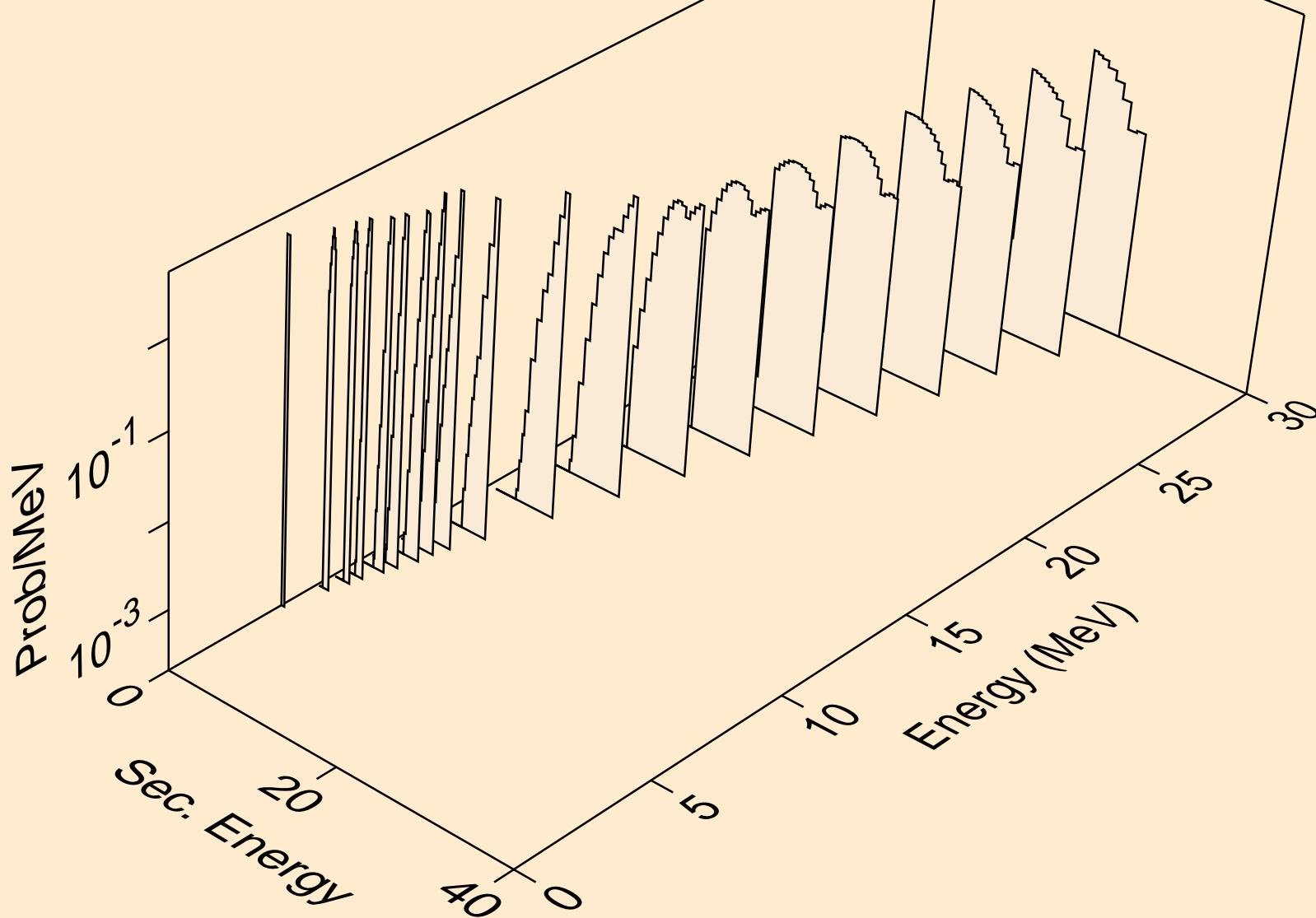
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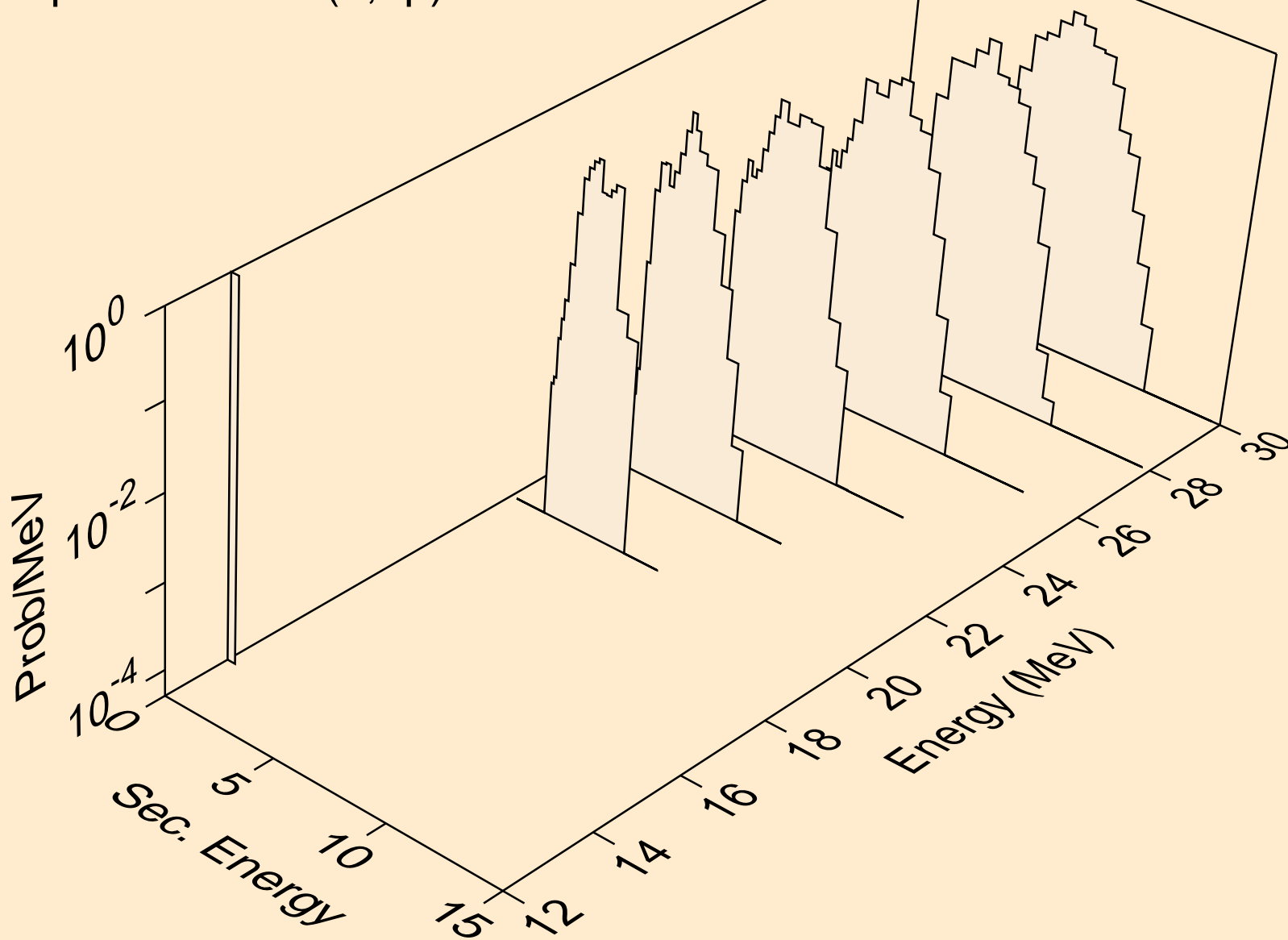
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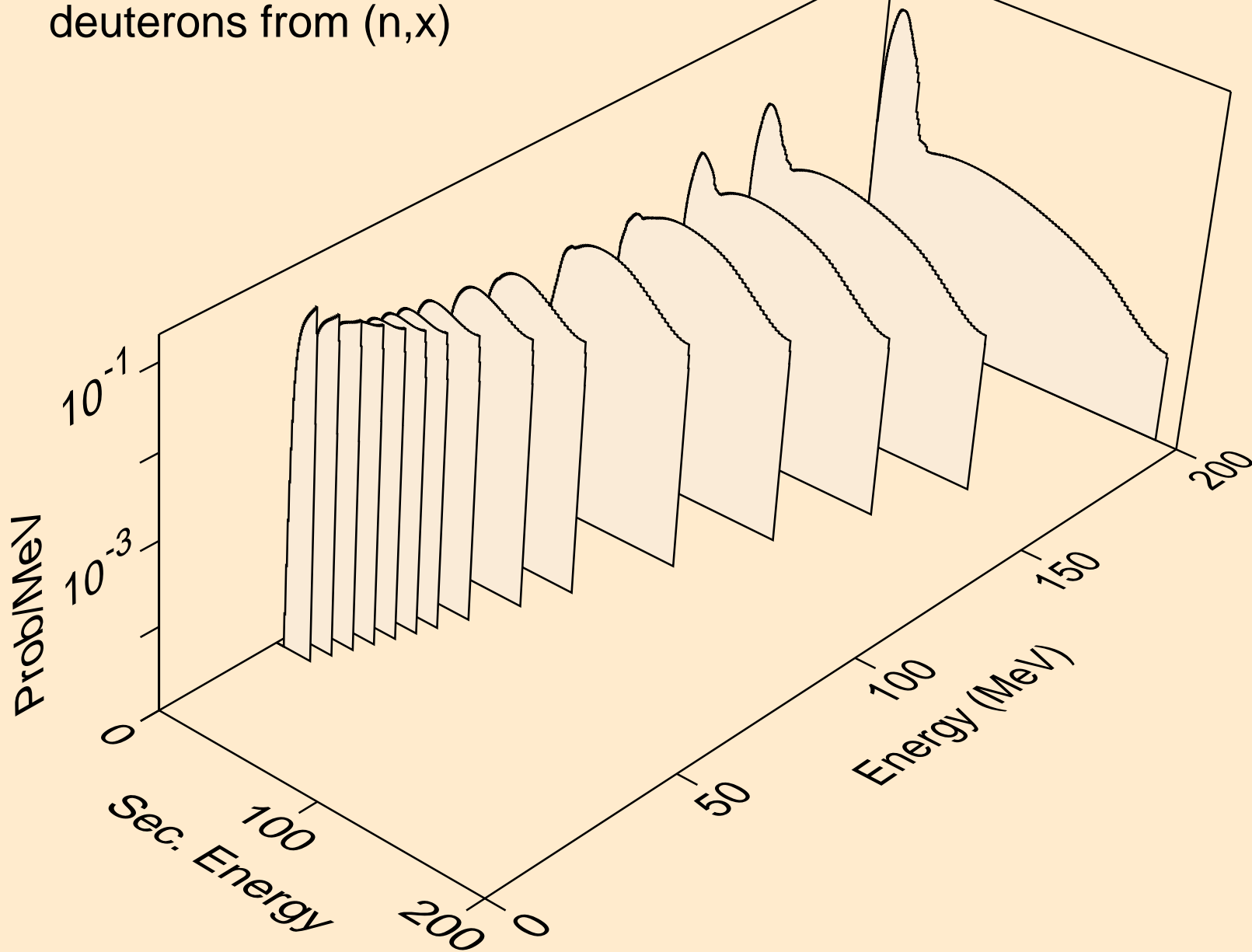
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protons from (n,p)



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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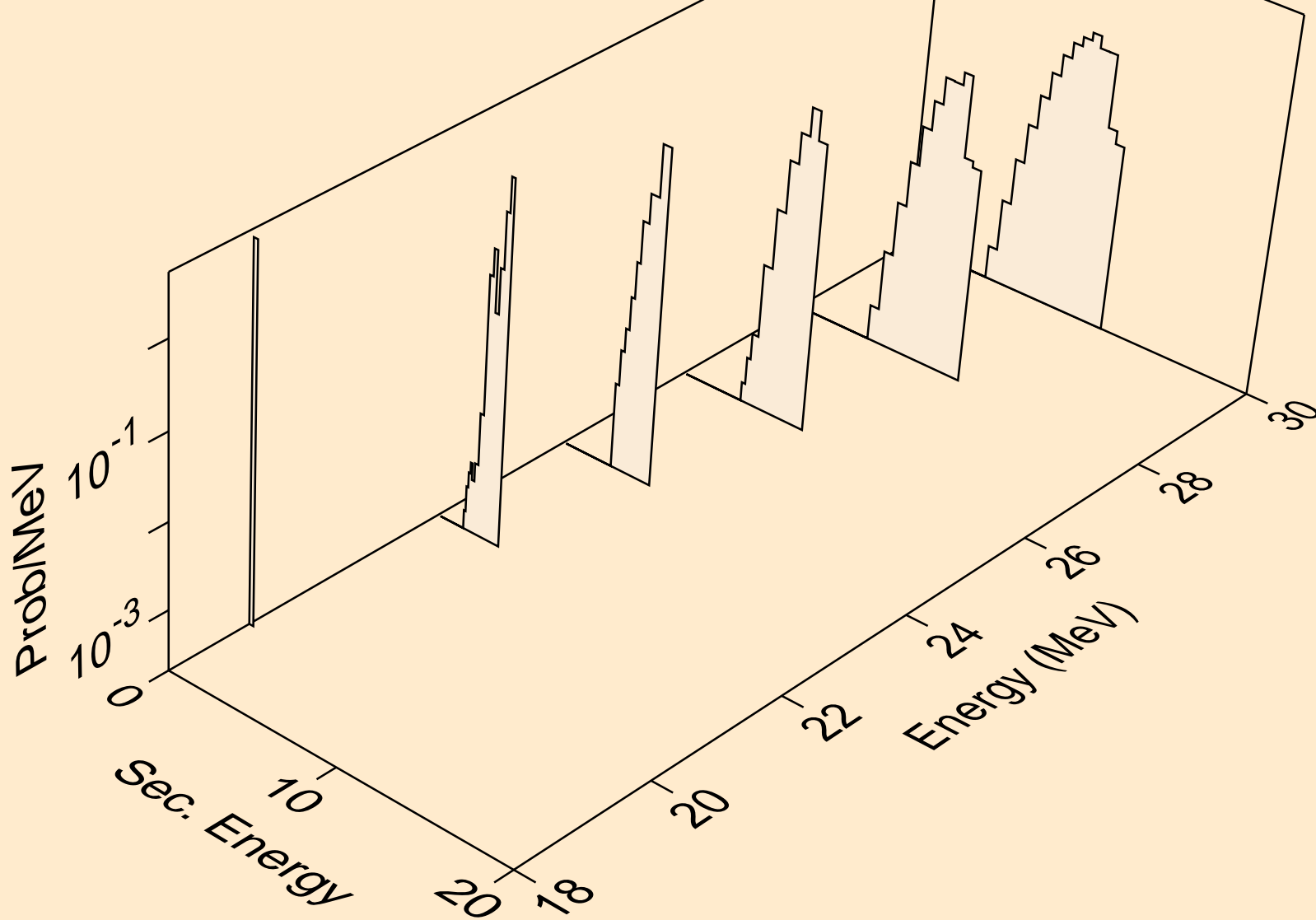


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

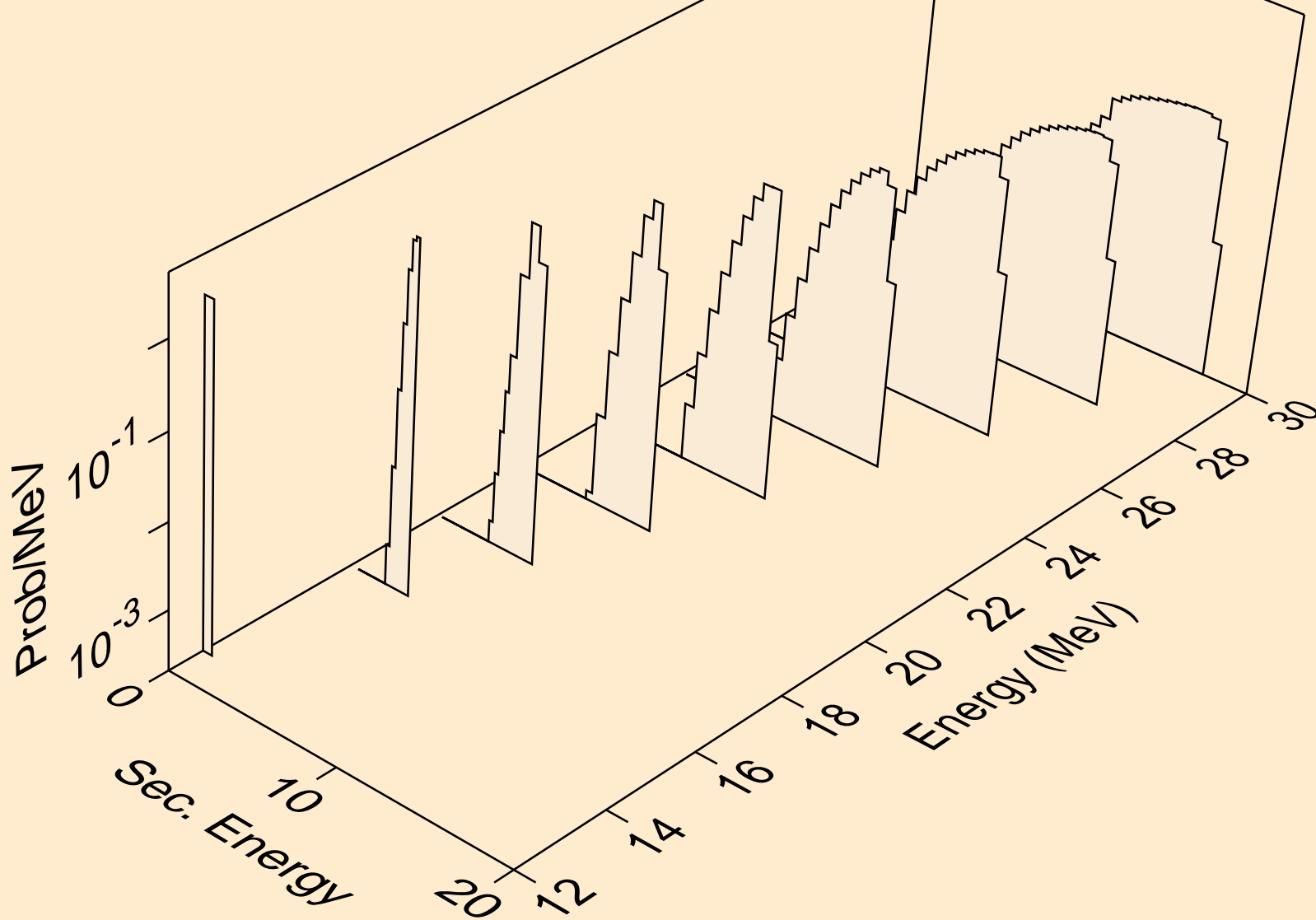




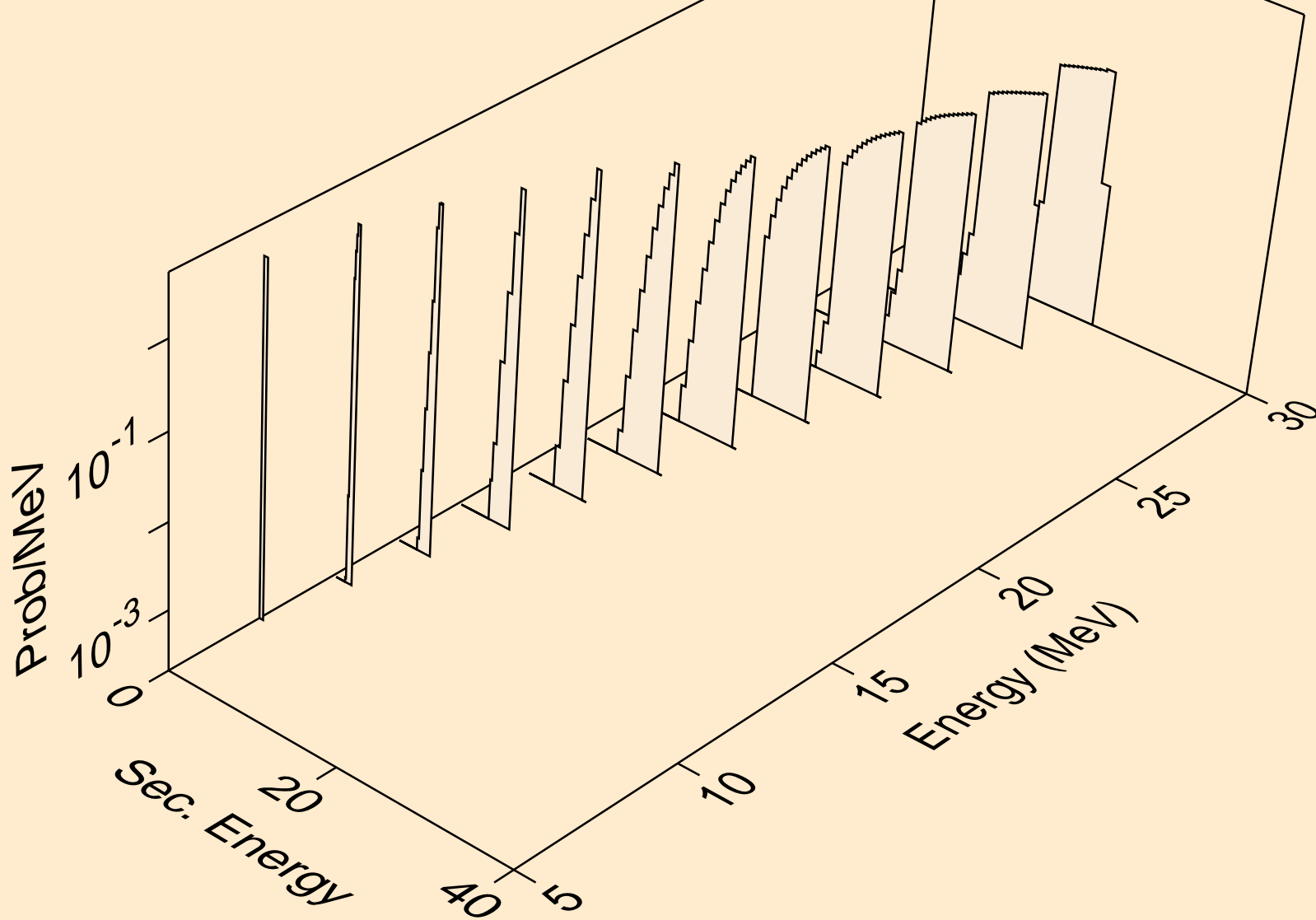
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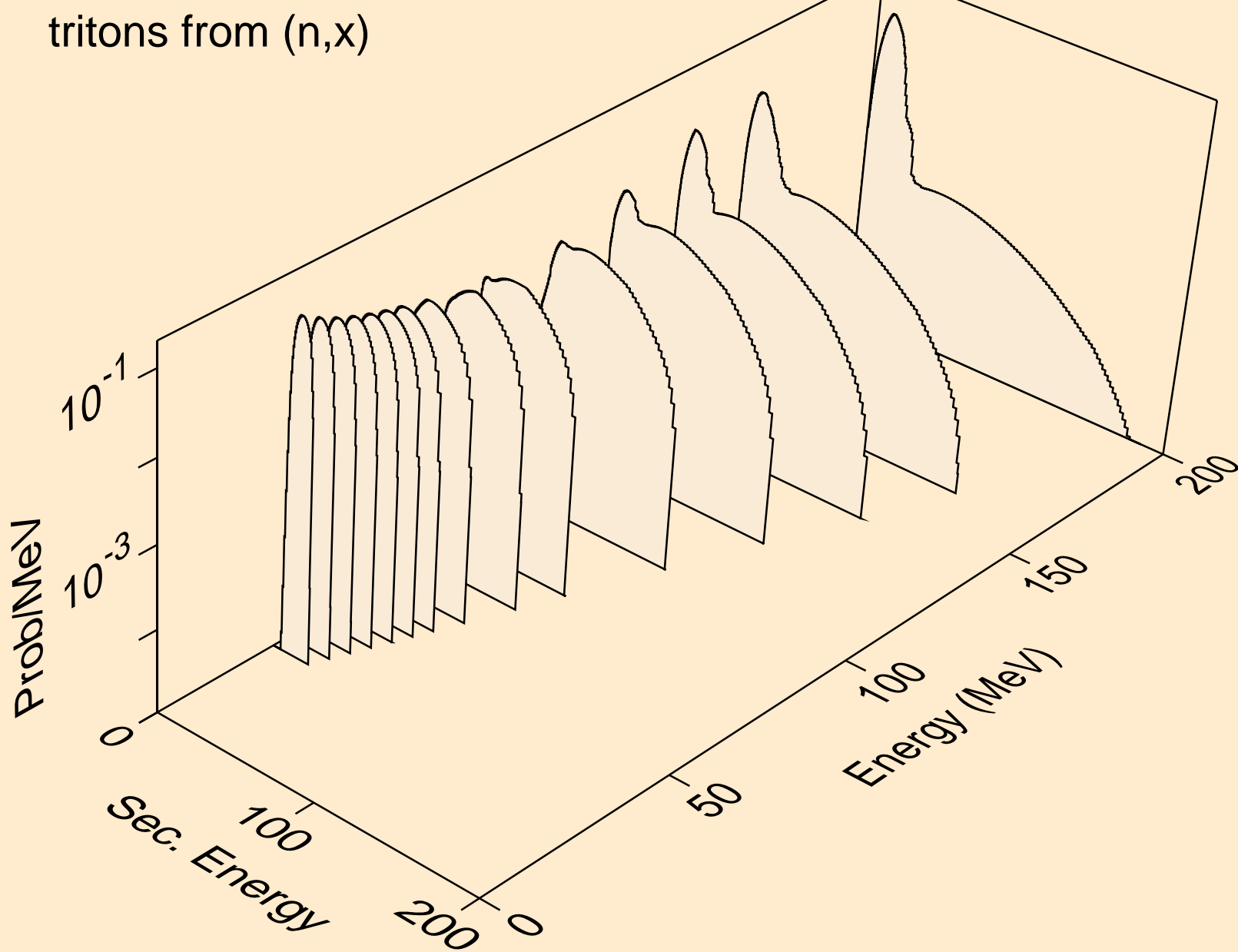
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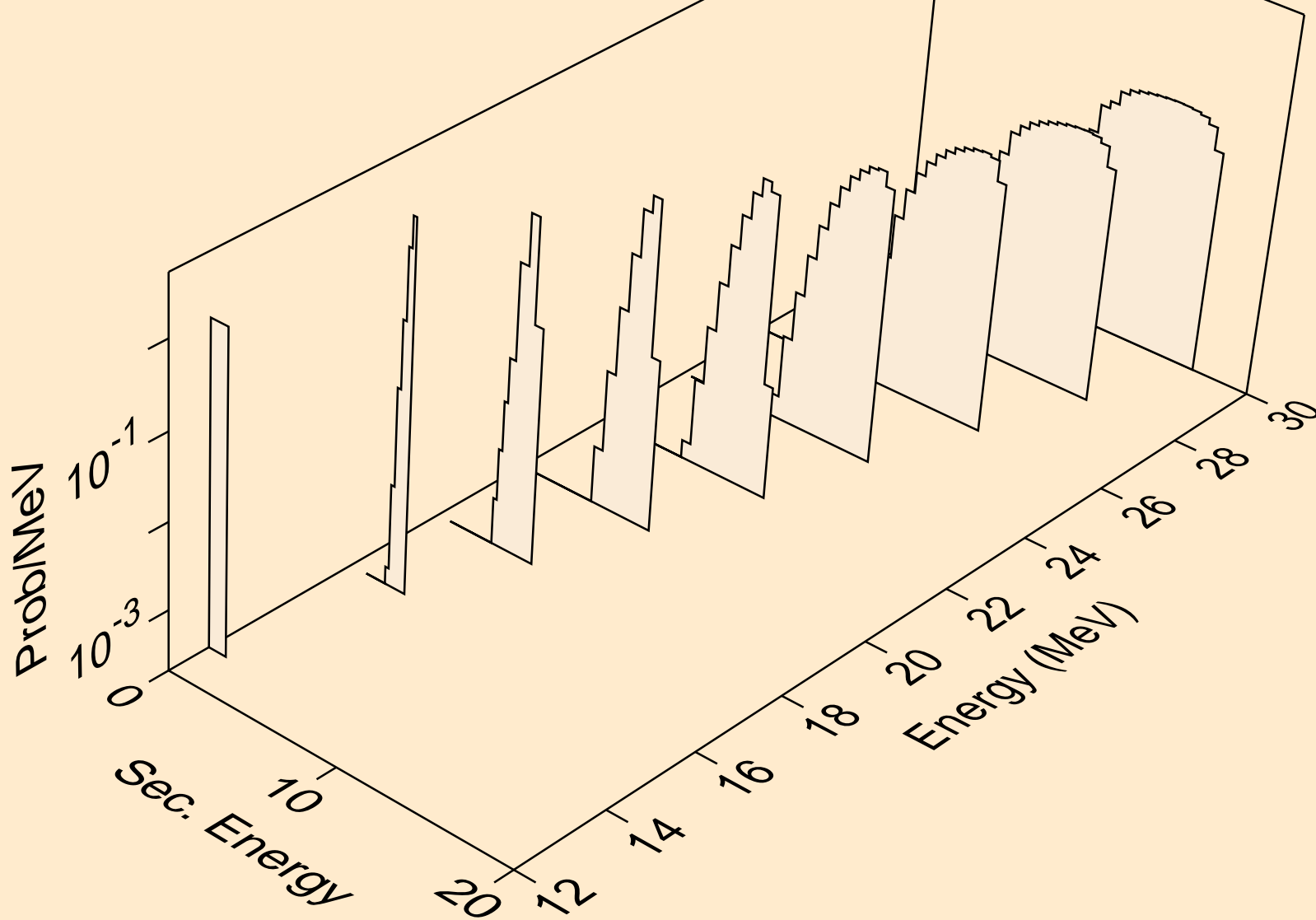
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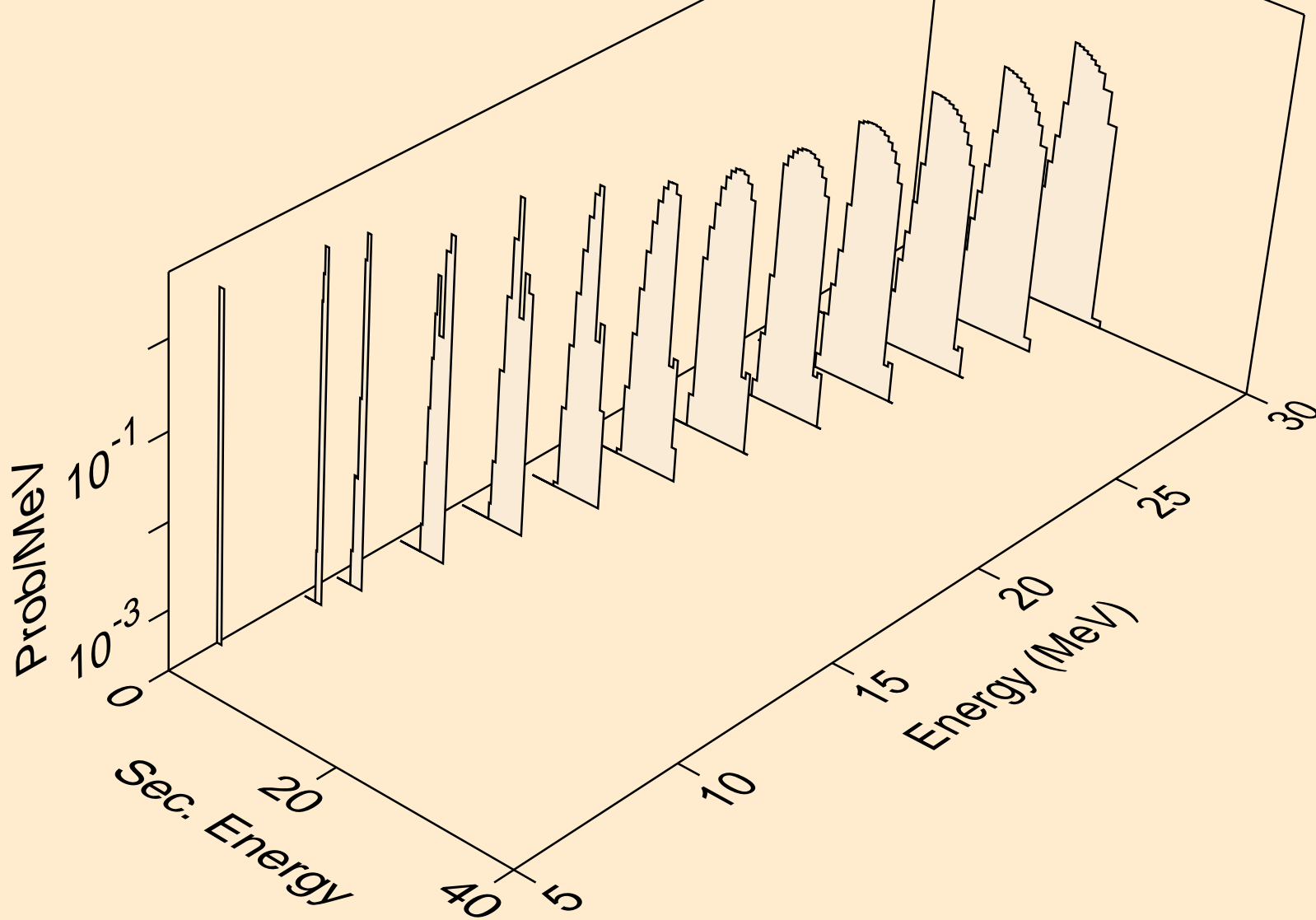
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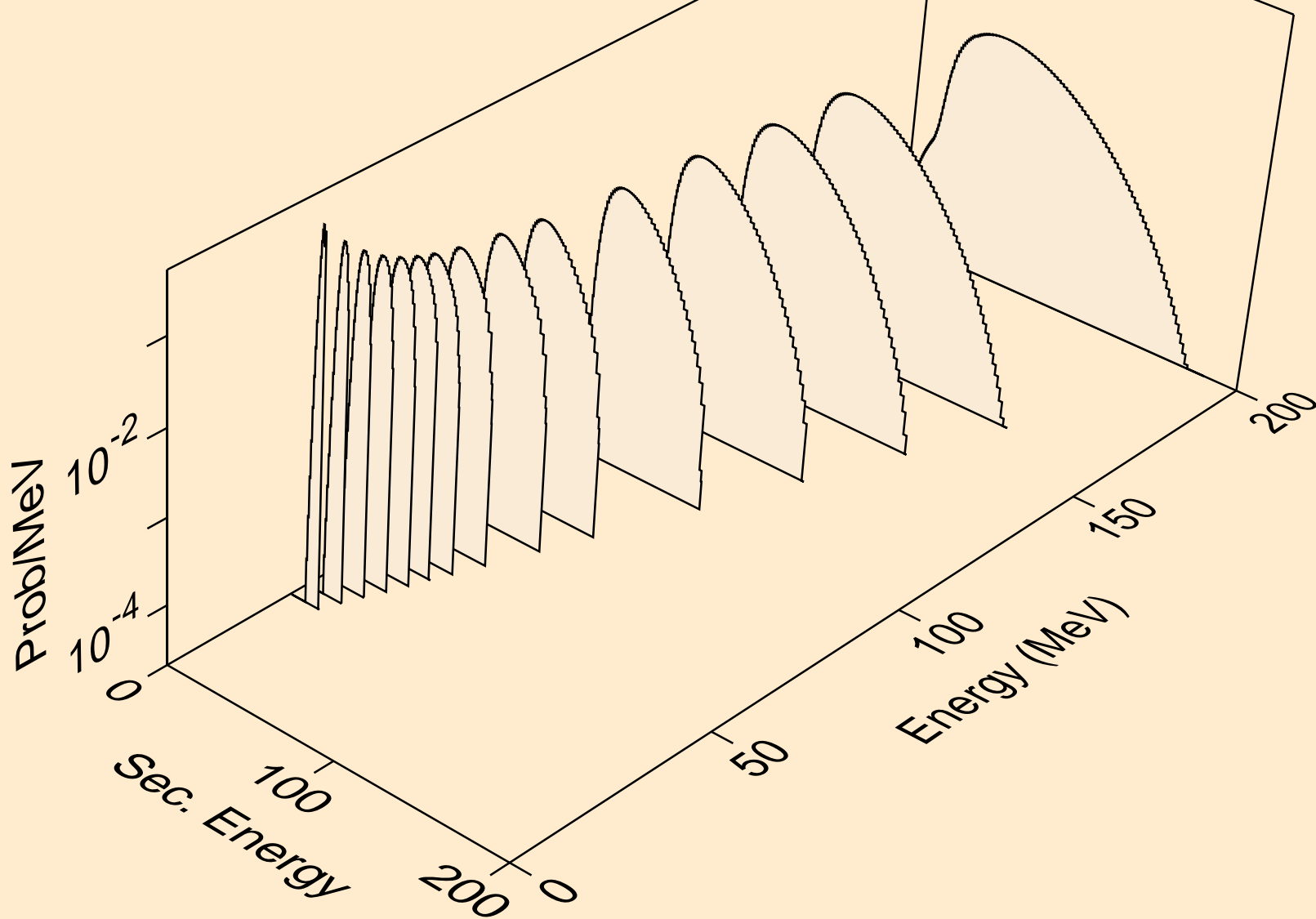
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tritons from (n,n\*)t



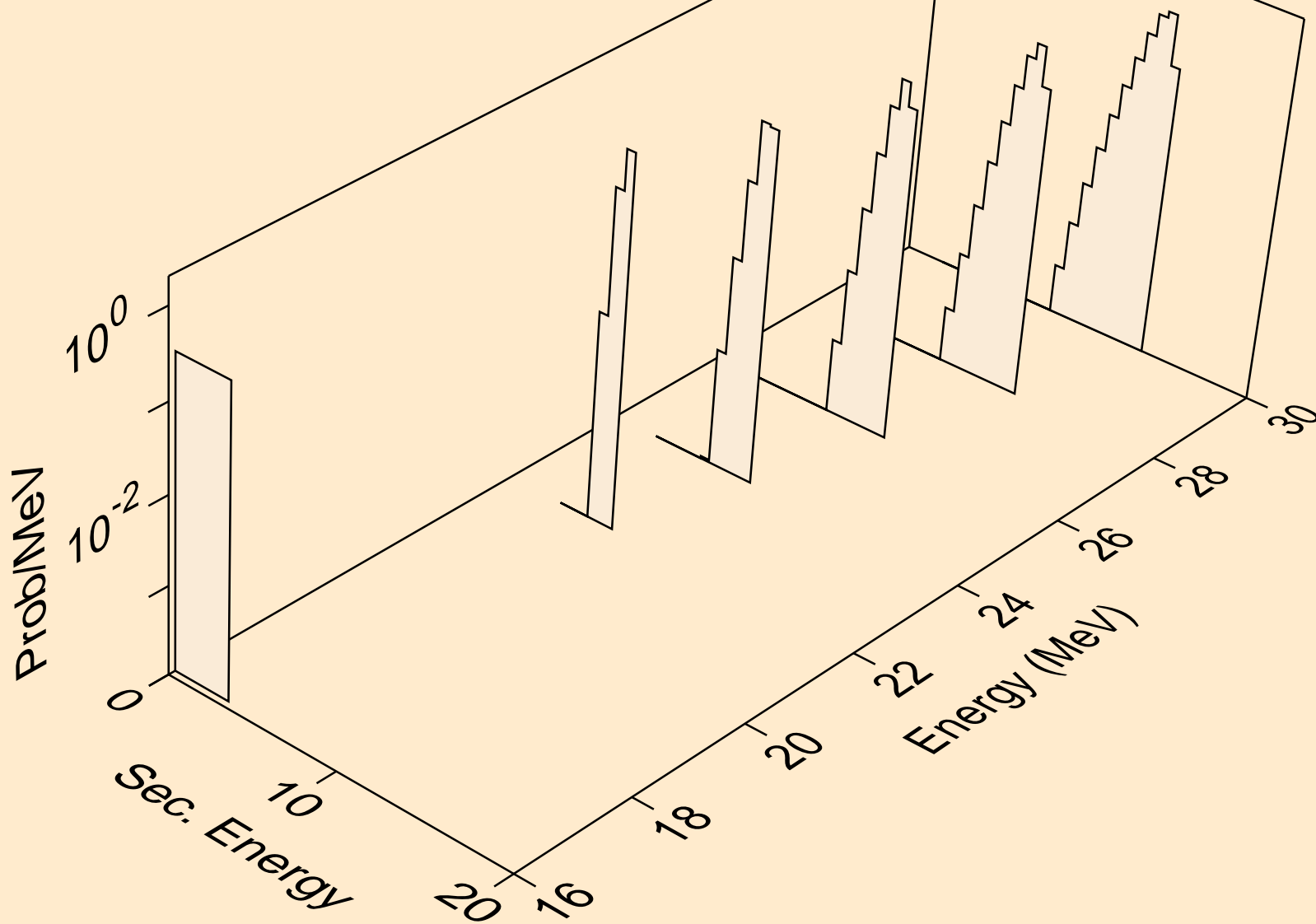
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

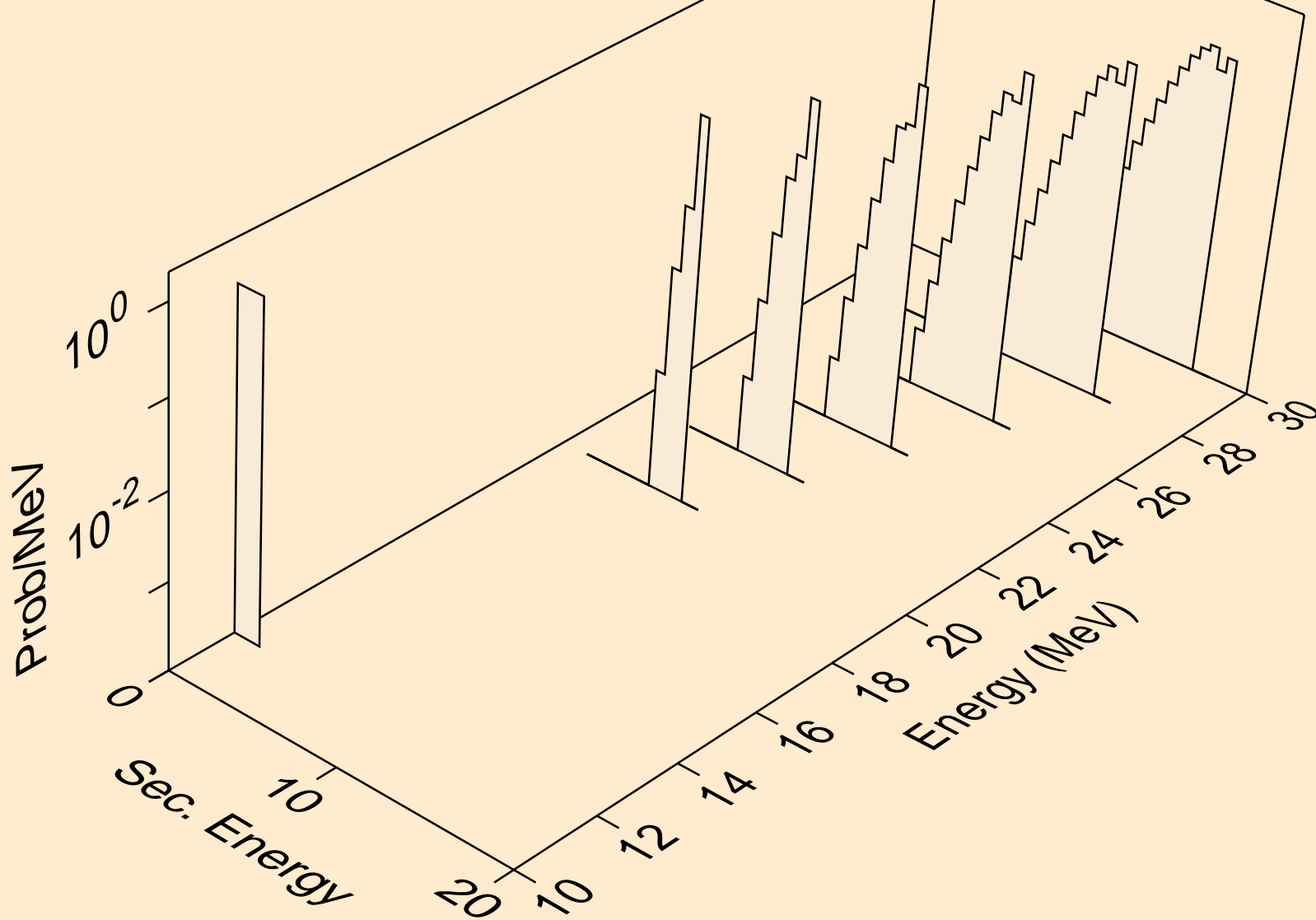


GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

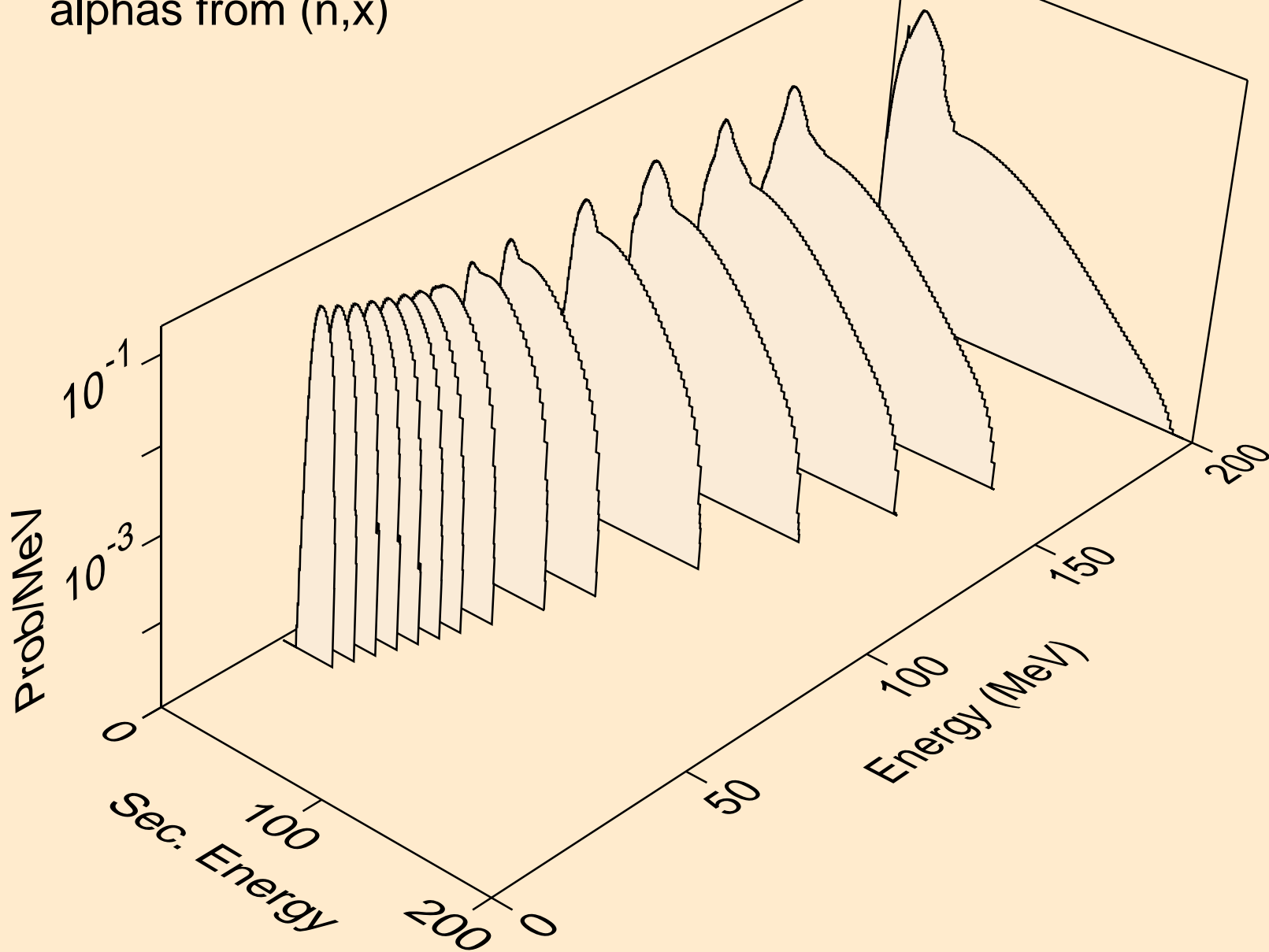




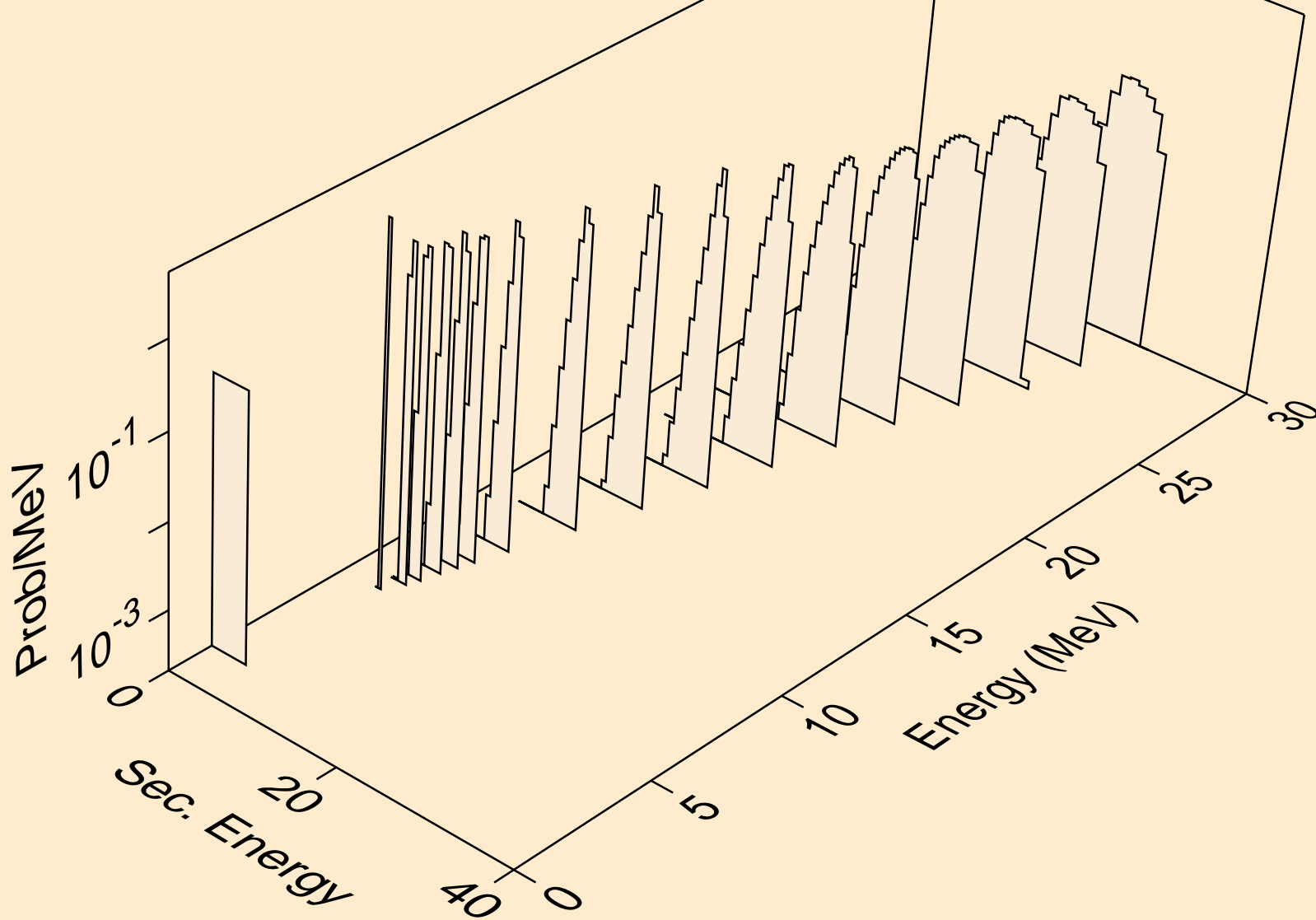
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he3s from (n,he3)



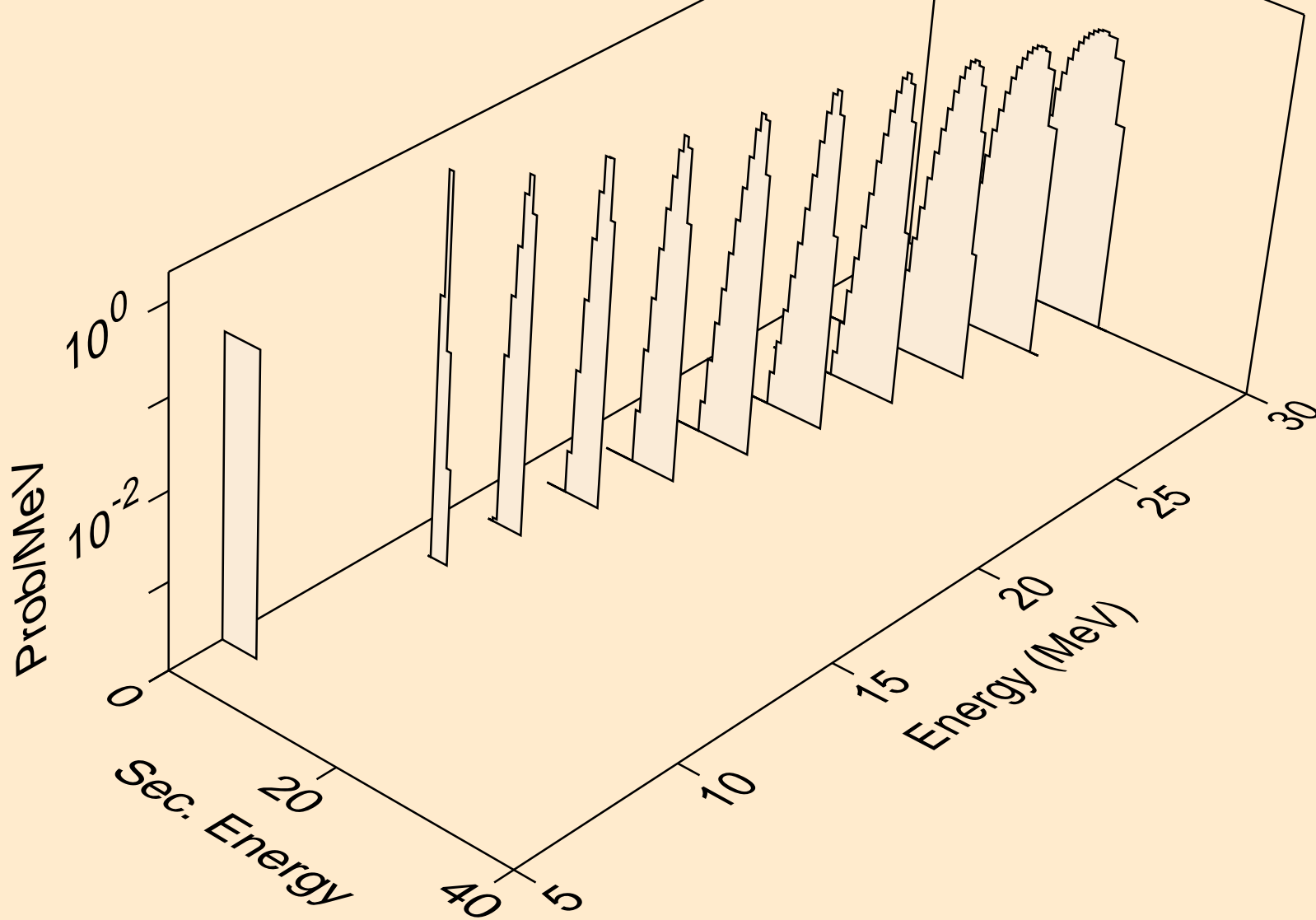
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



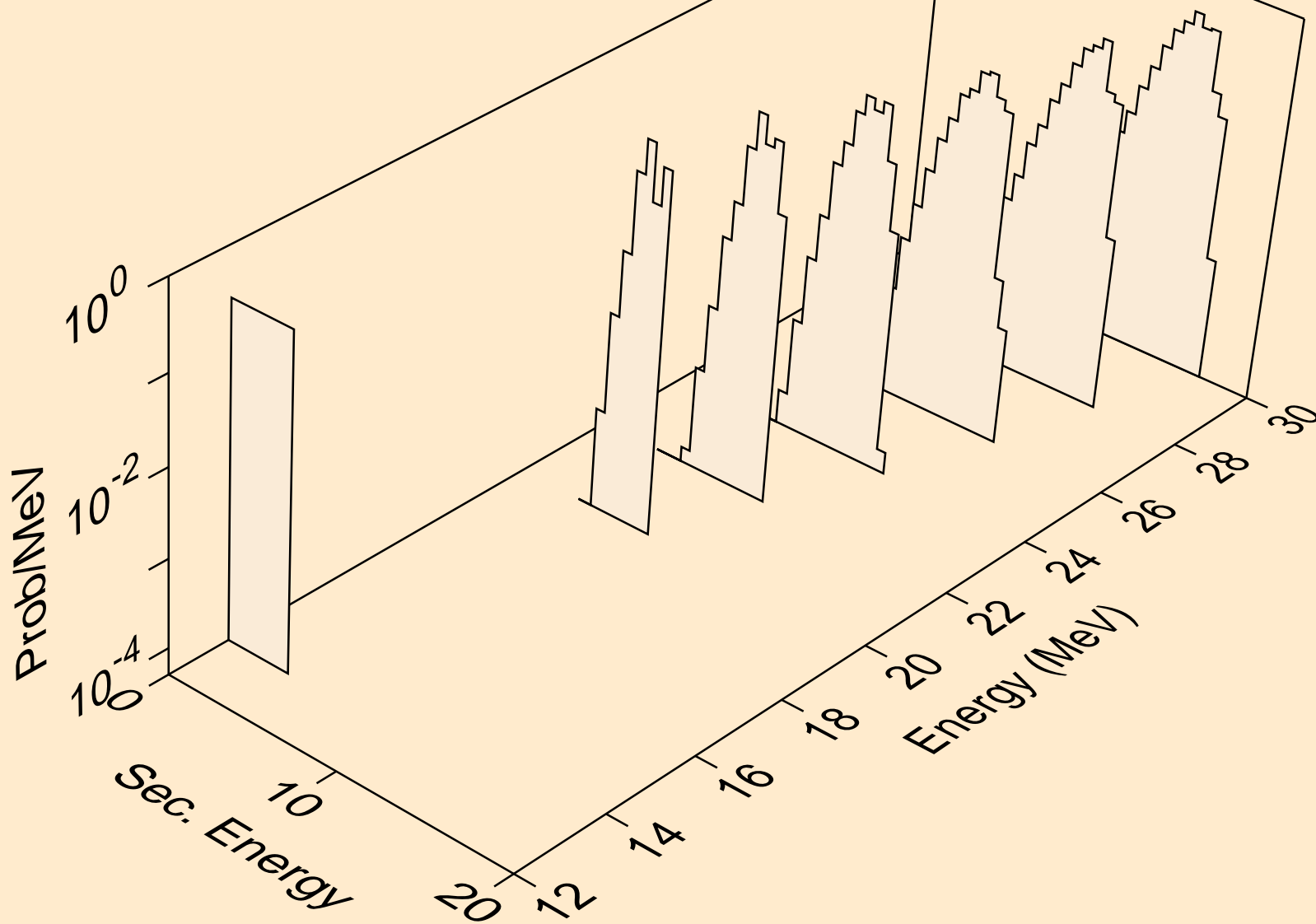
GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



GD163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

