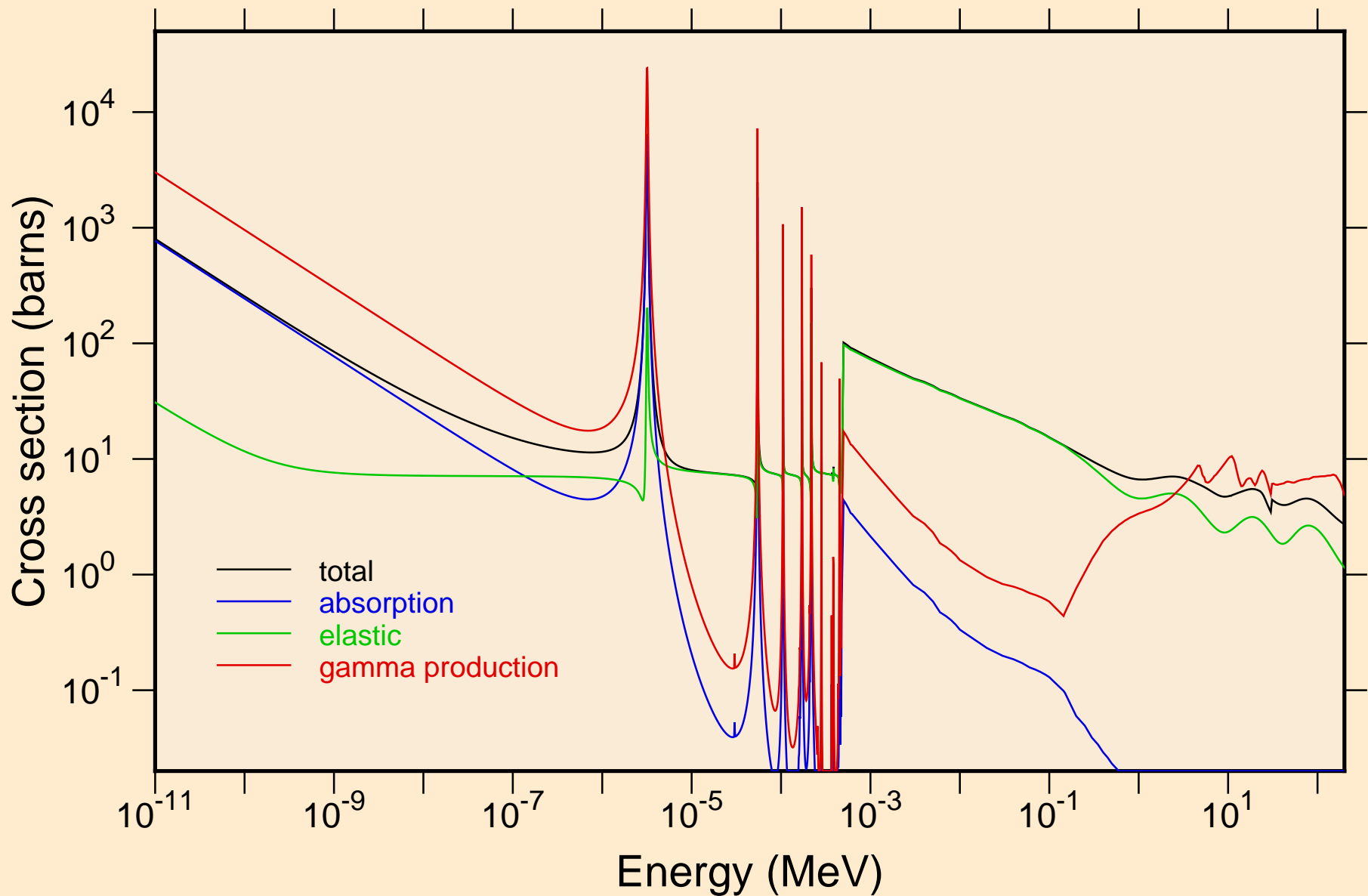
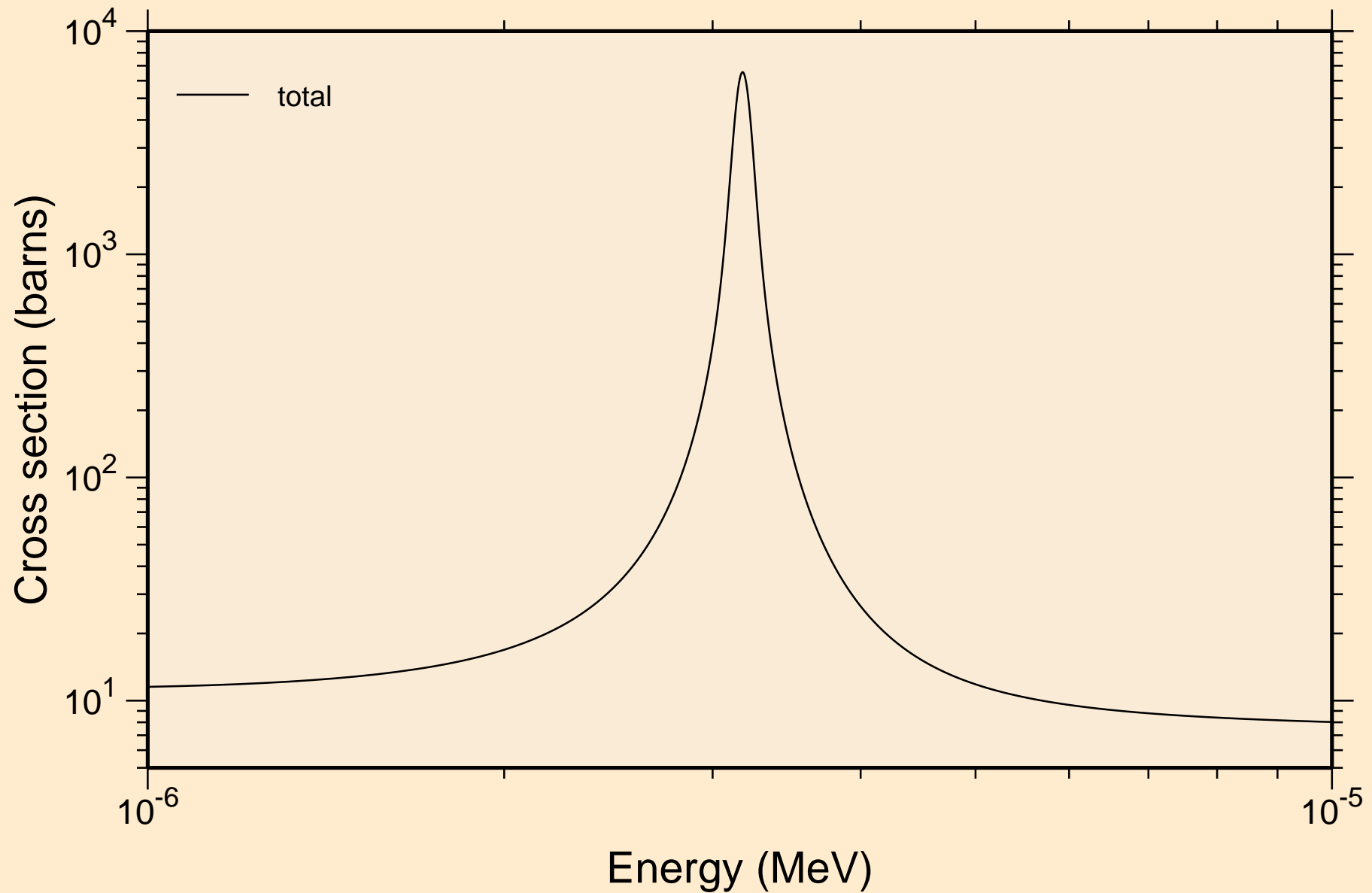


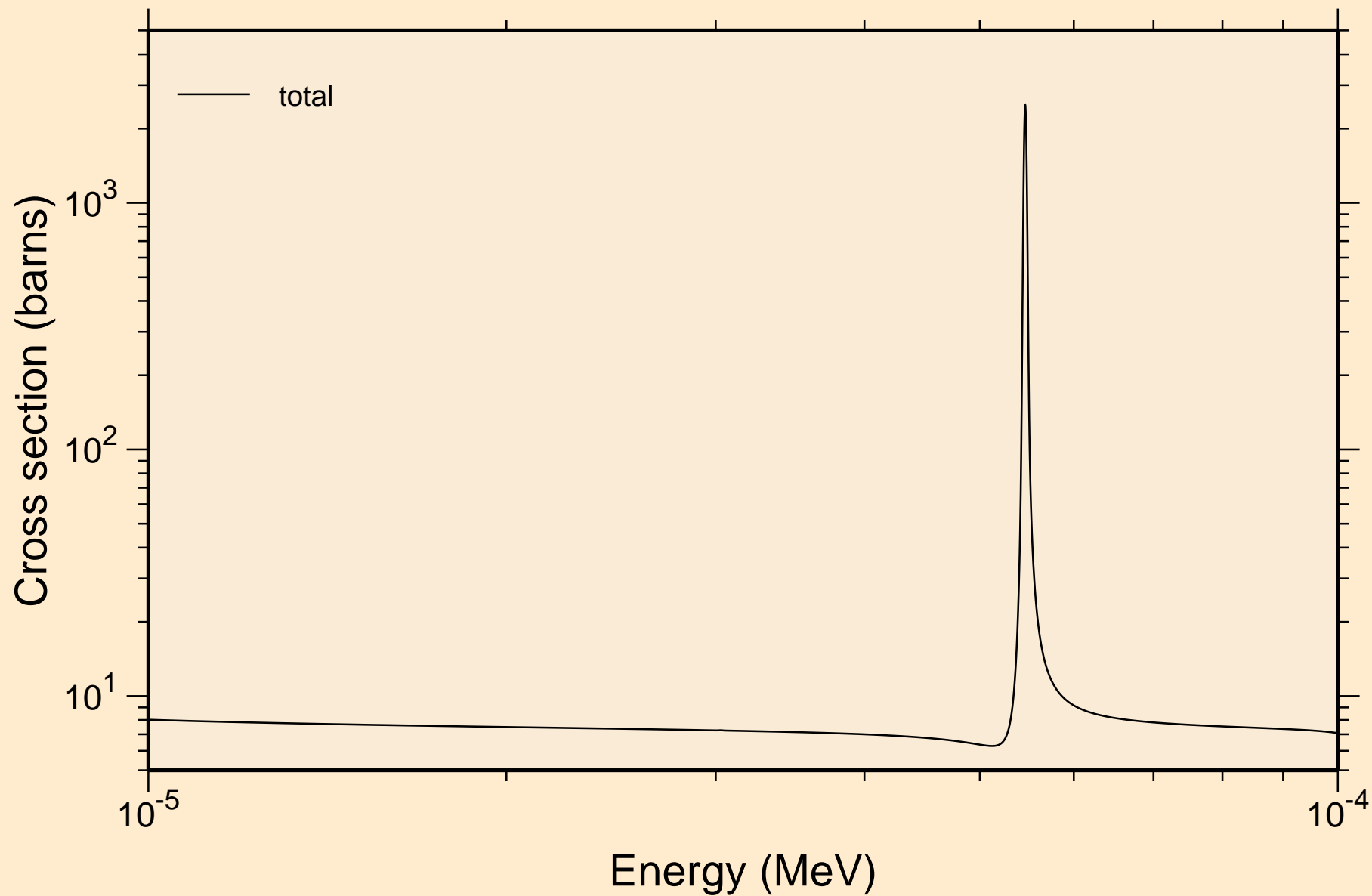
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



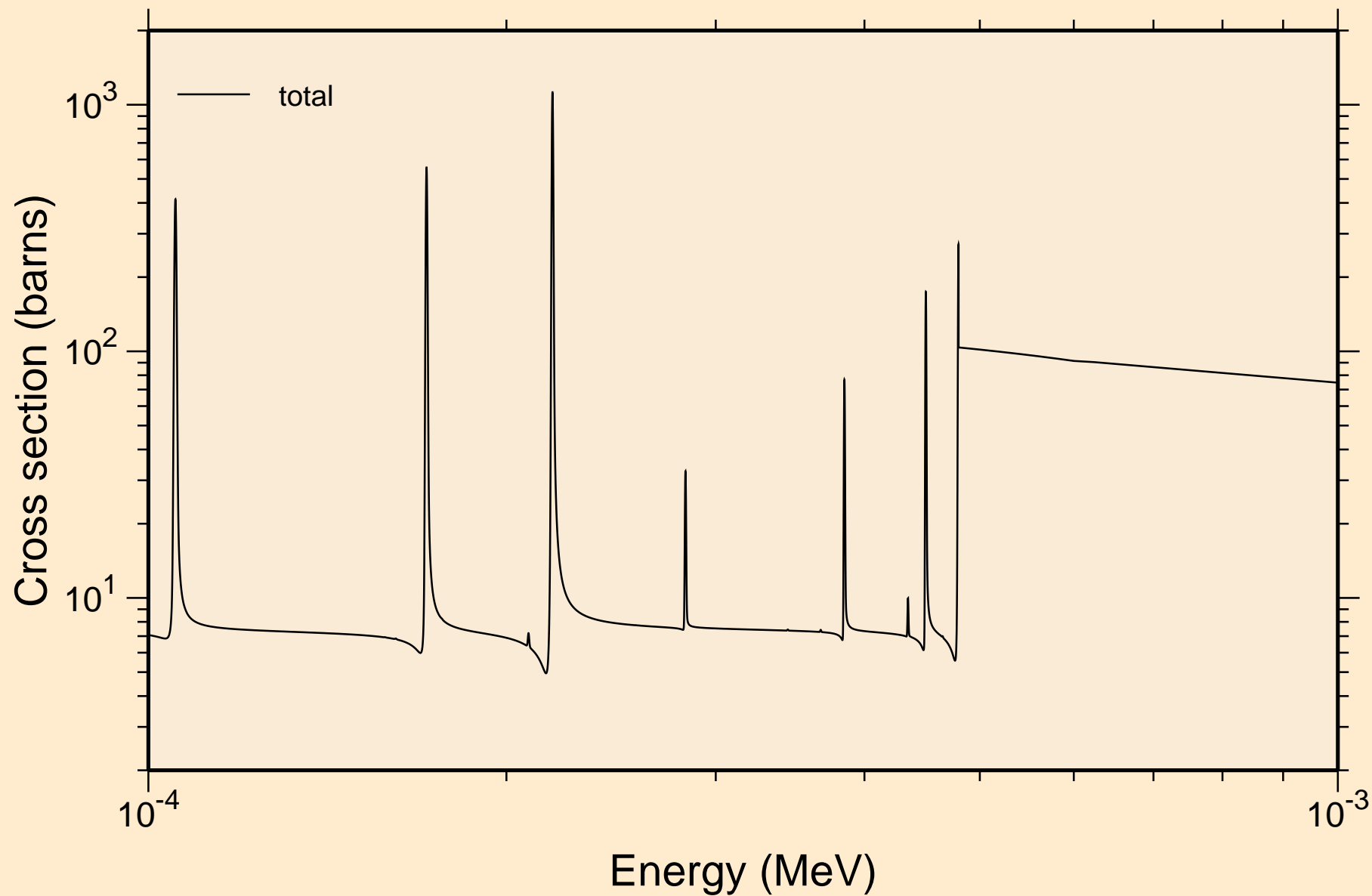
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



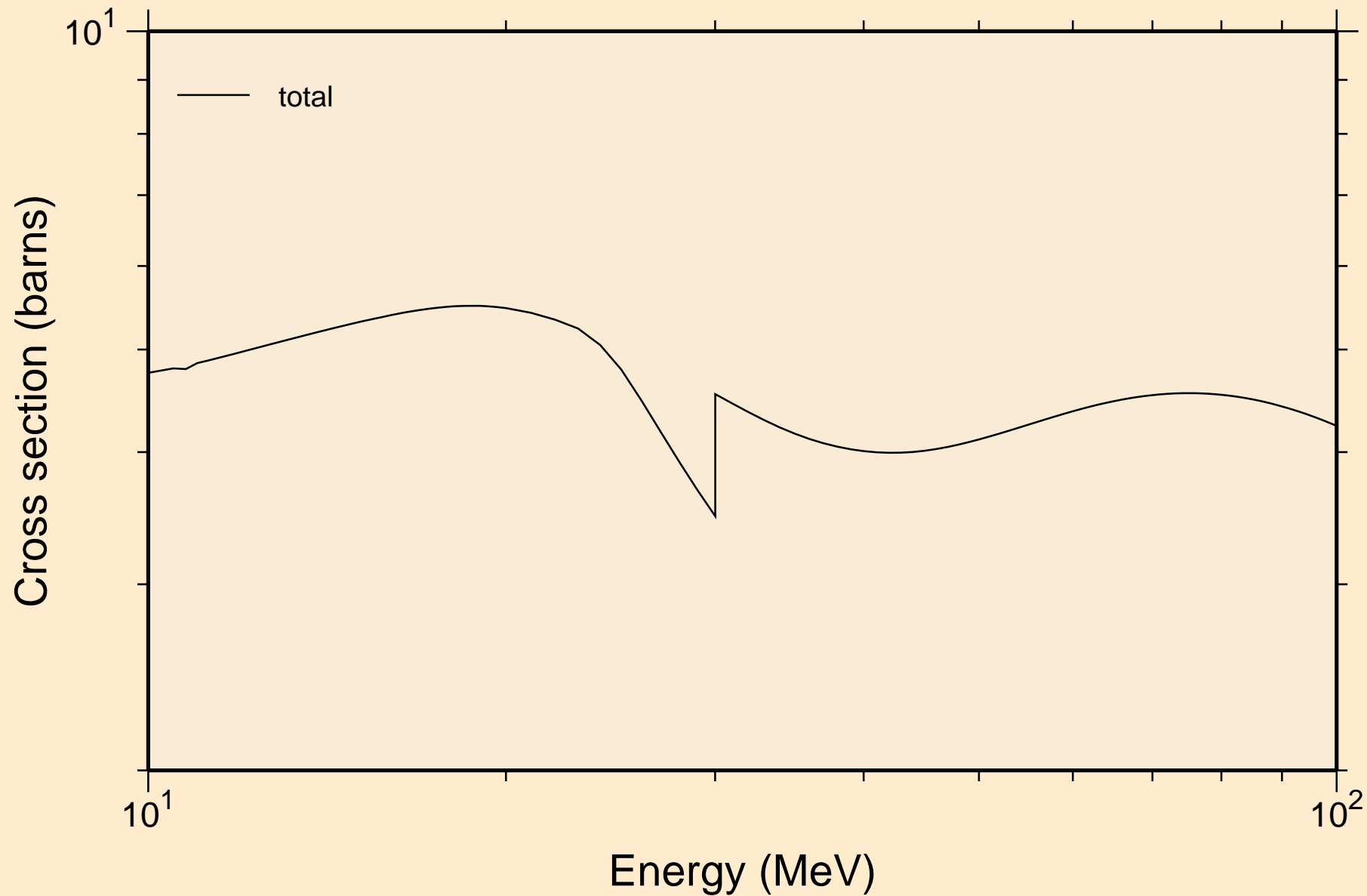
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resonance total cross section



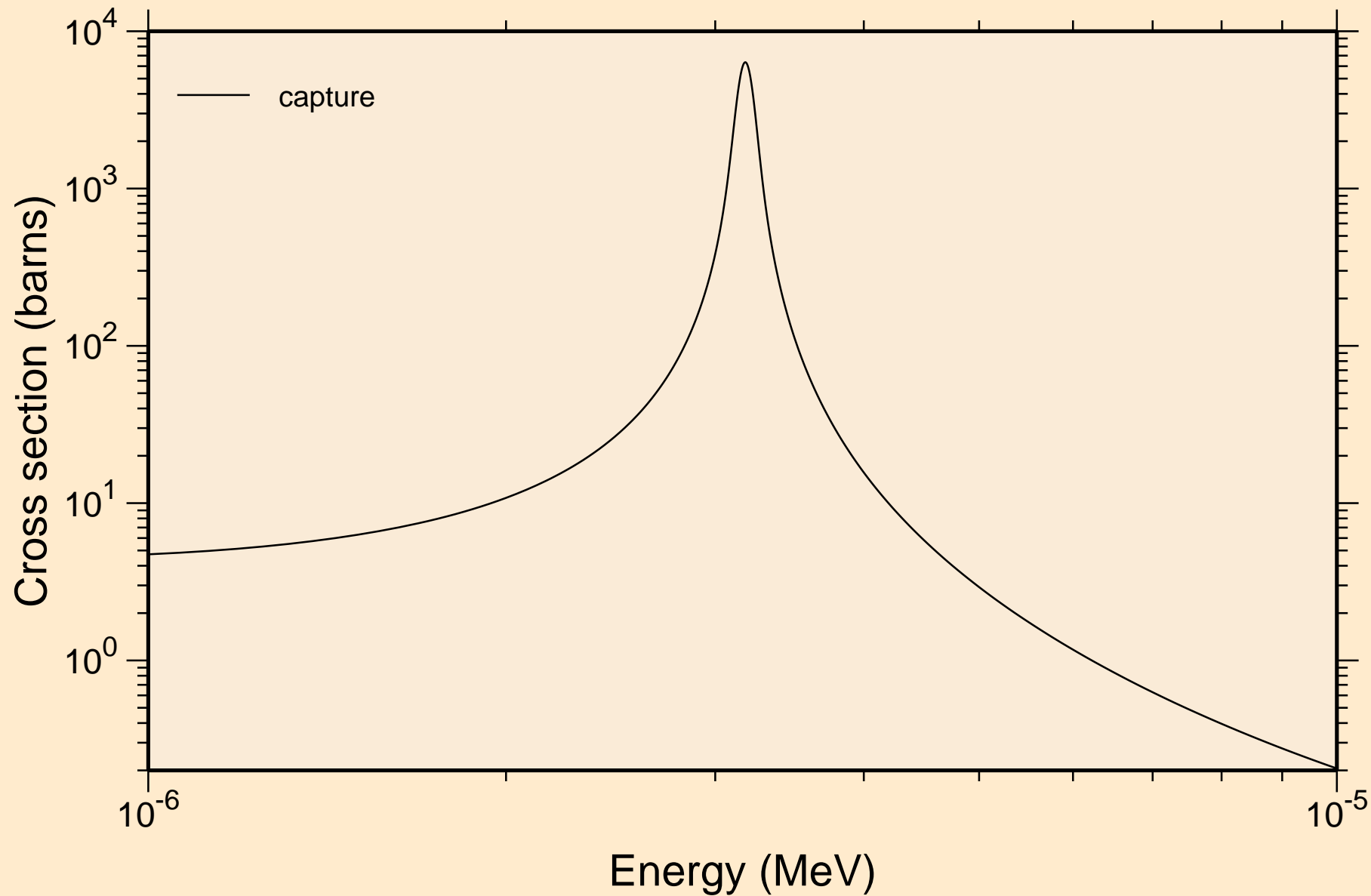
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resonance total cross section



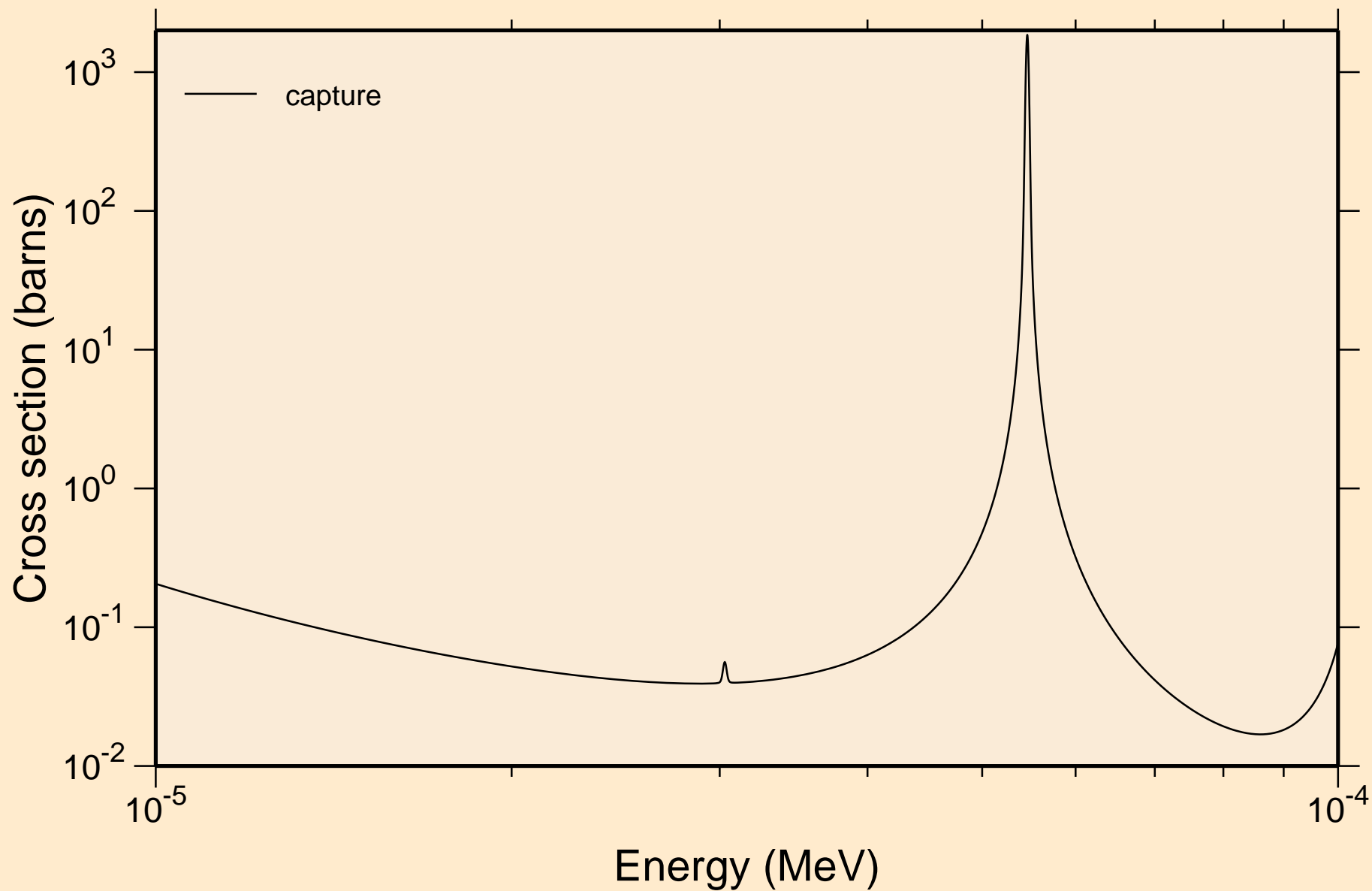
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resonance total cross section



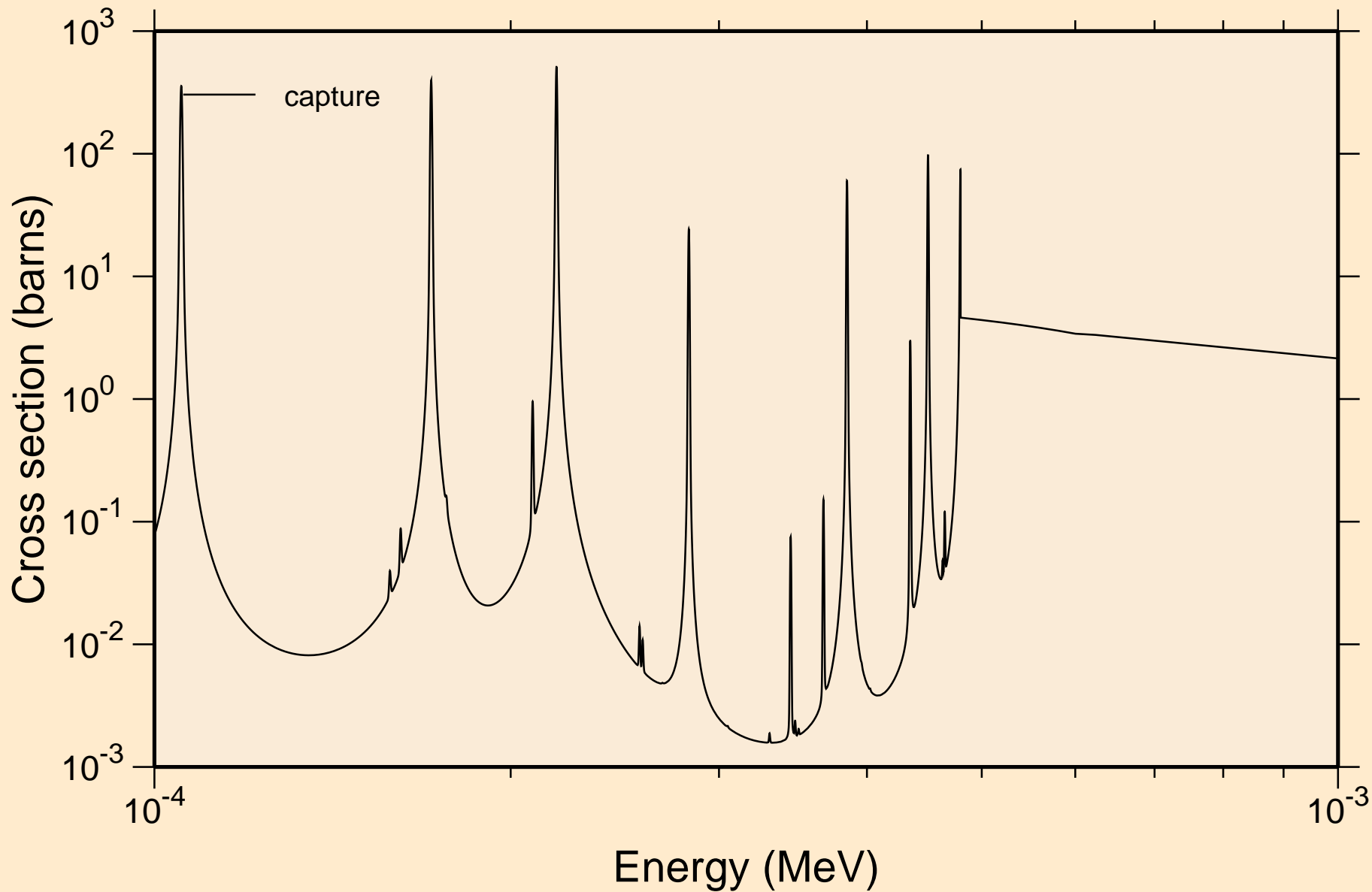
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

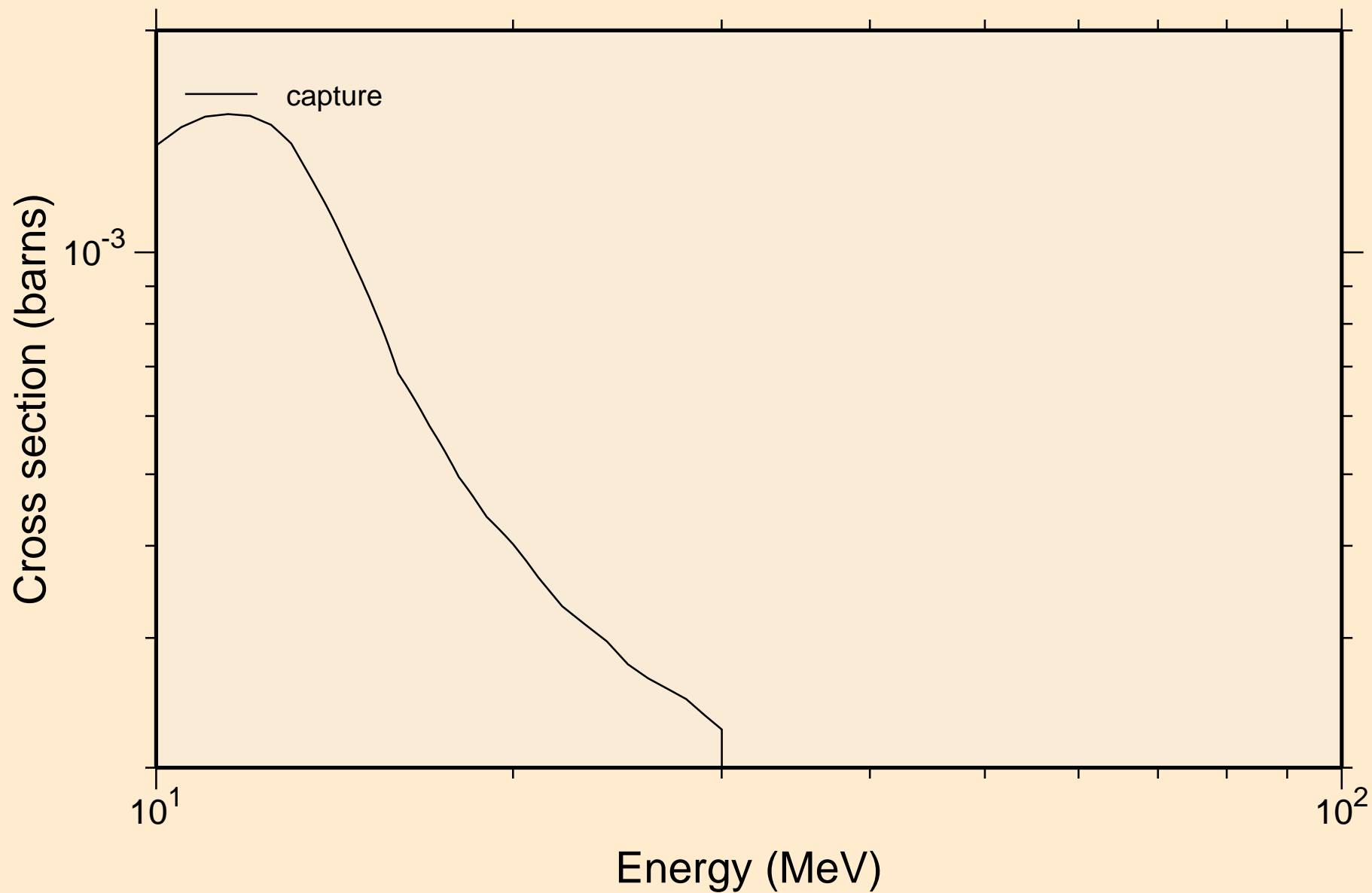


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

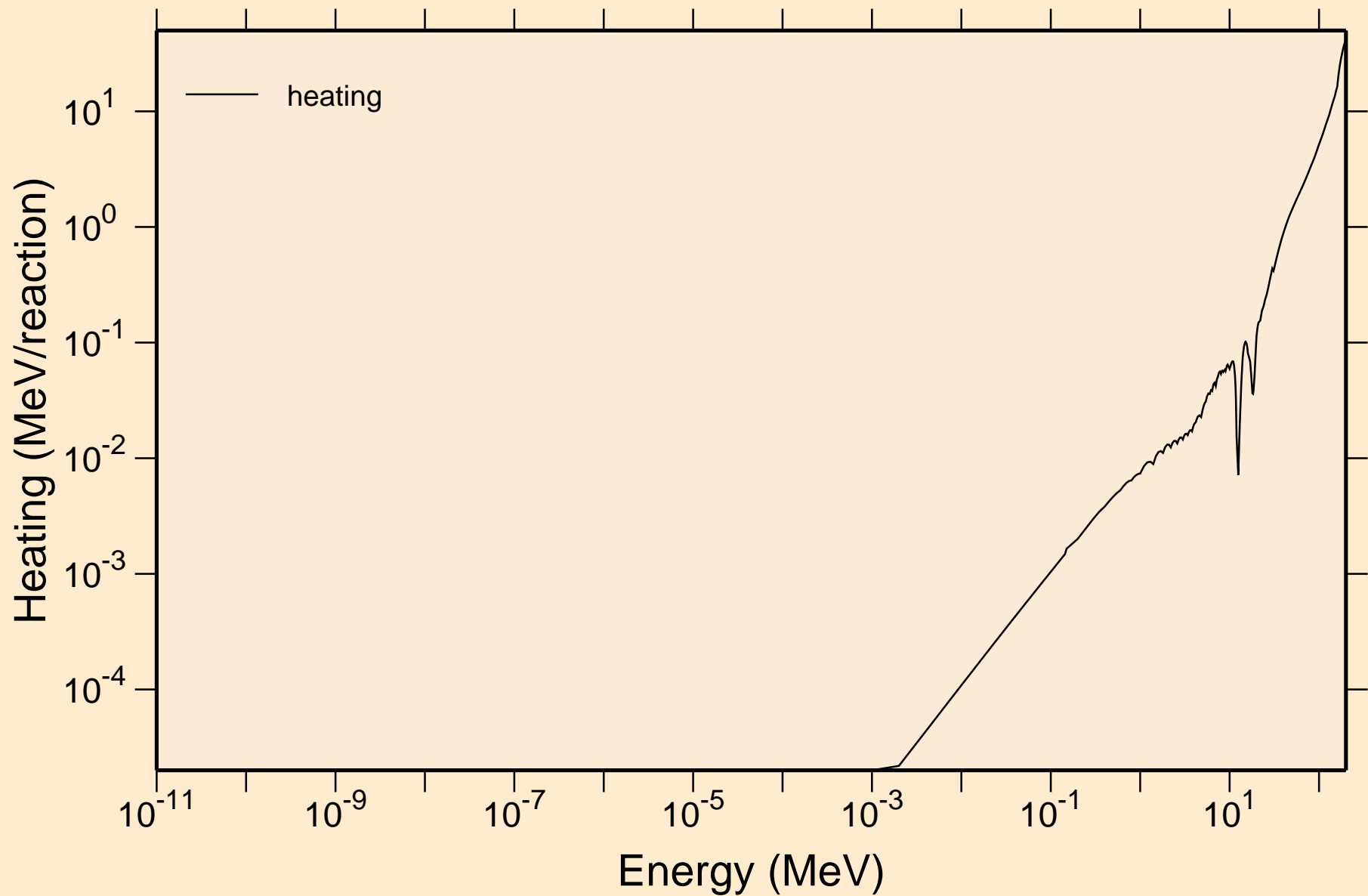




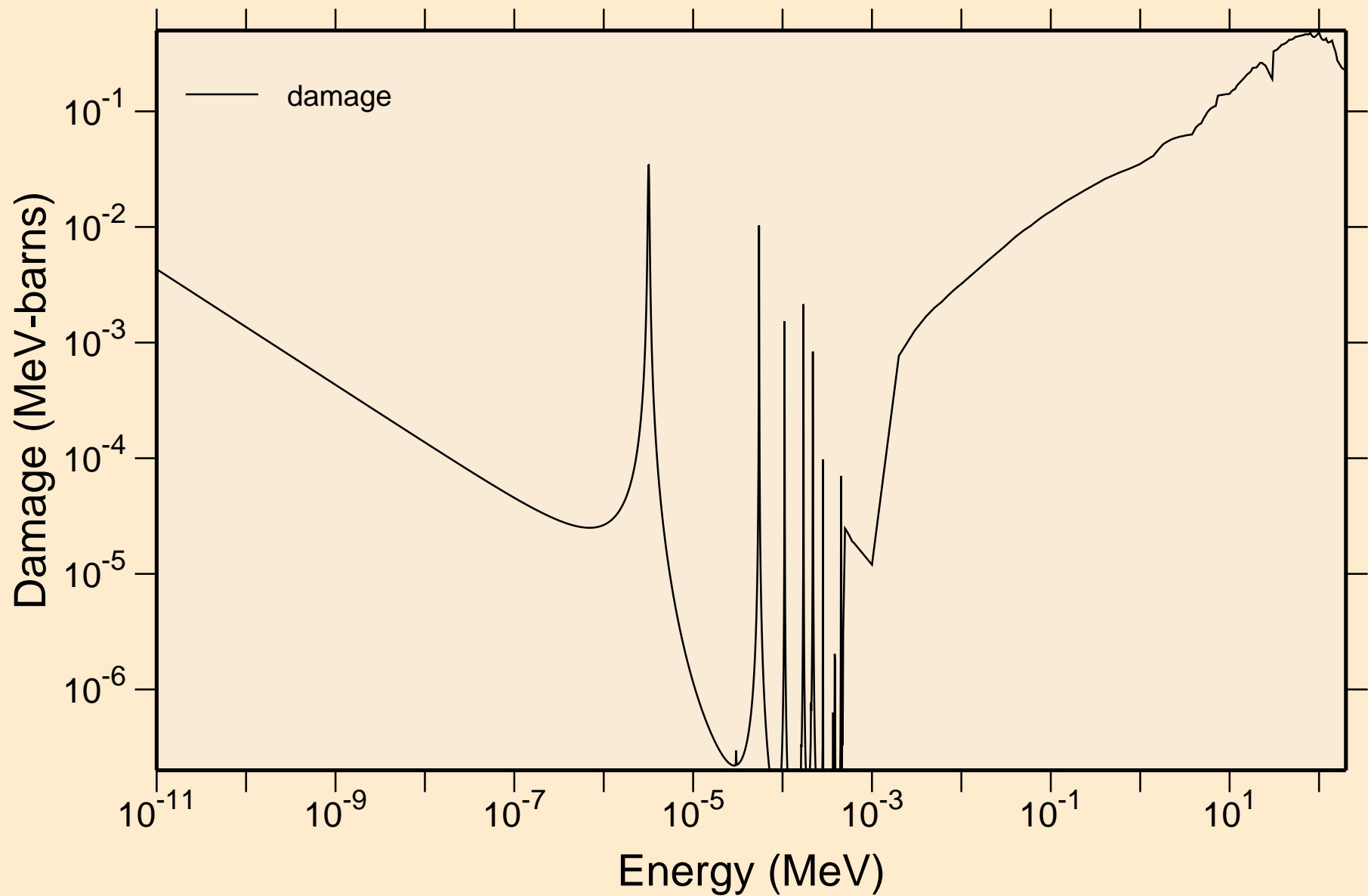
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resonance absorption cross sections



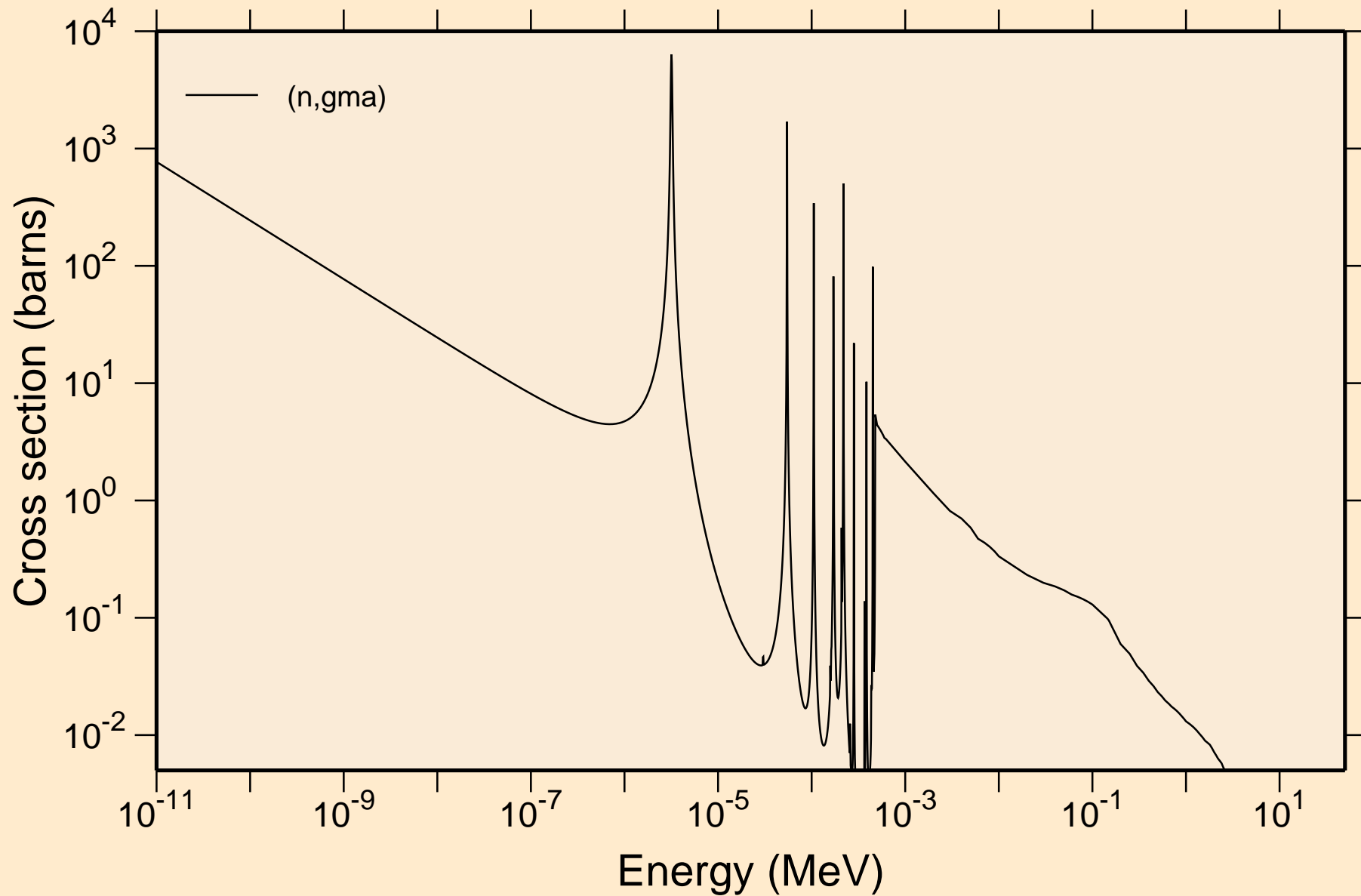
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



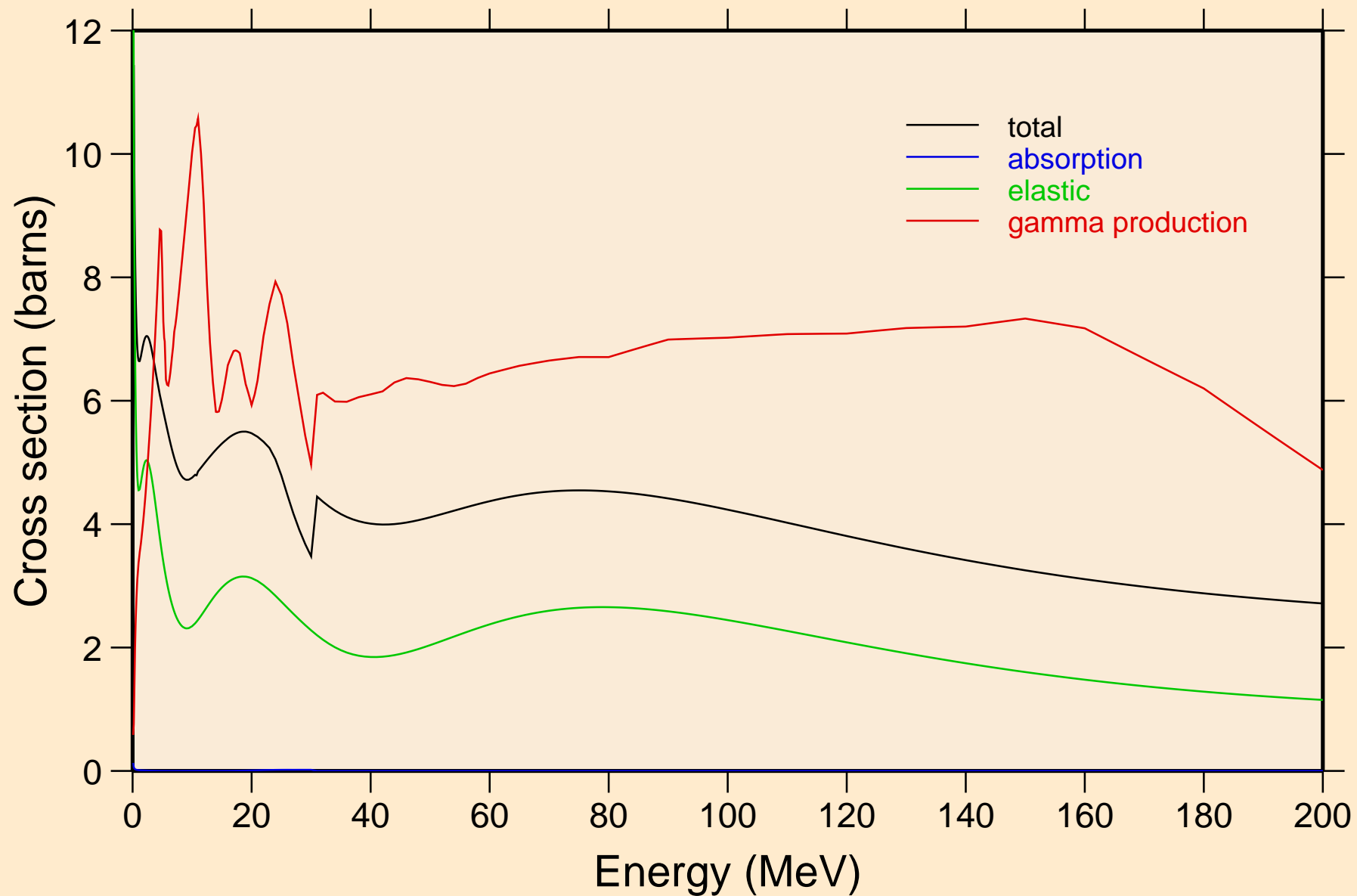
# YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



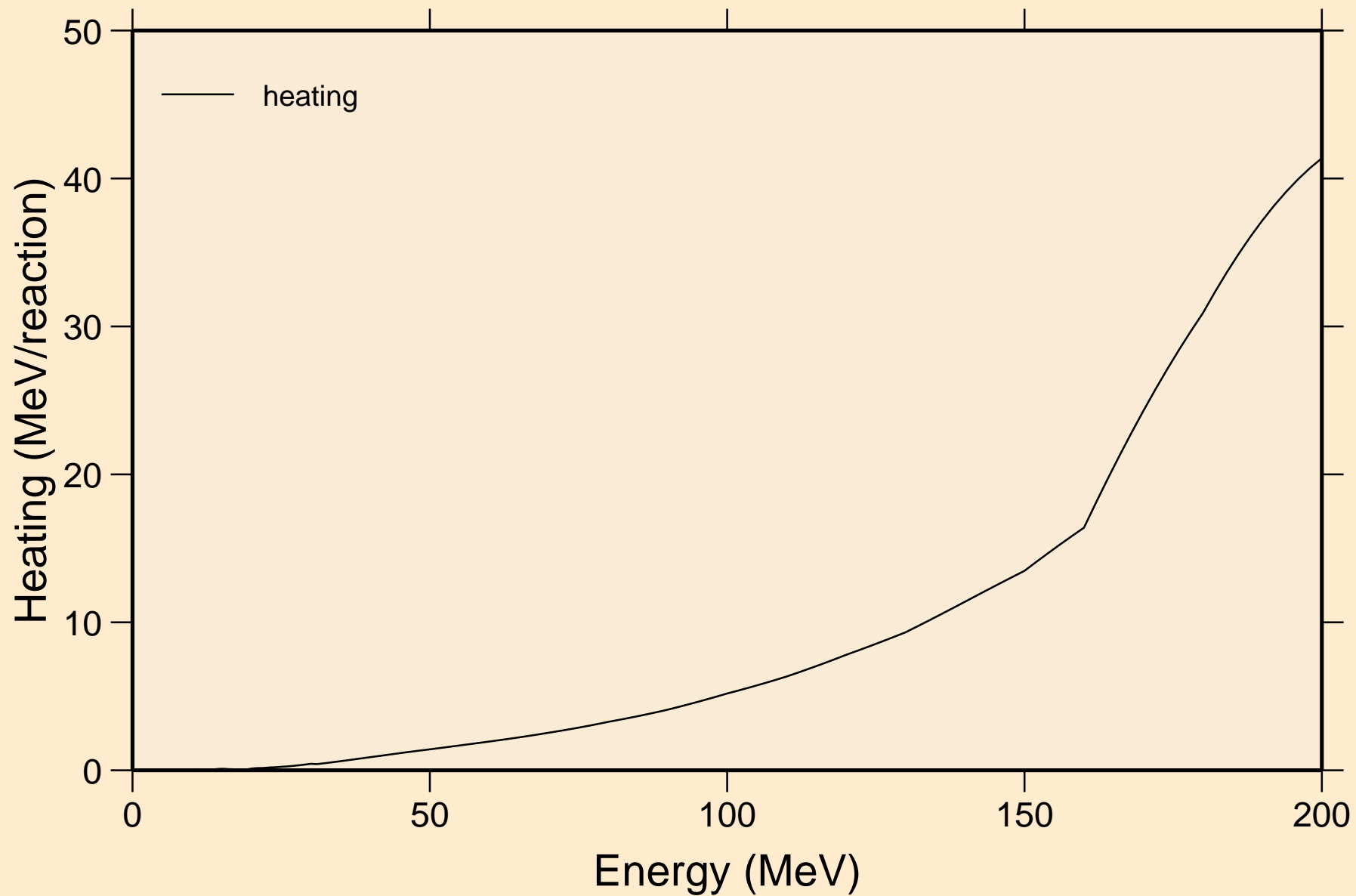
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



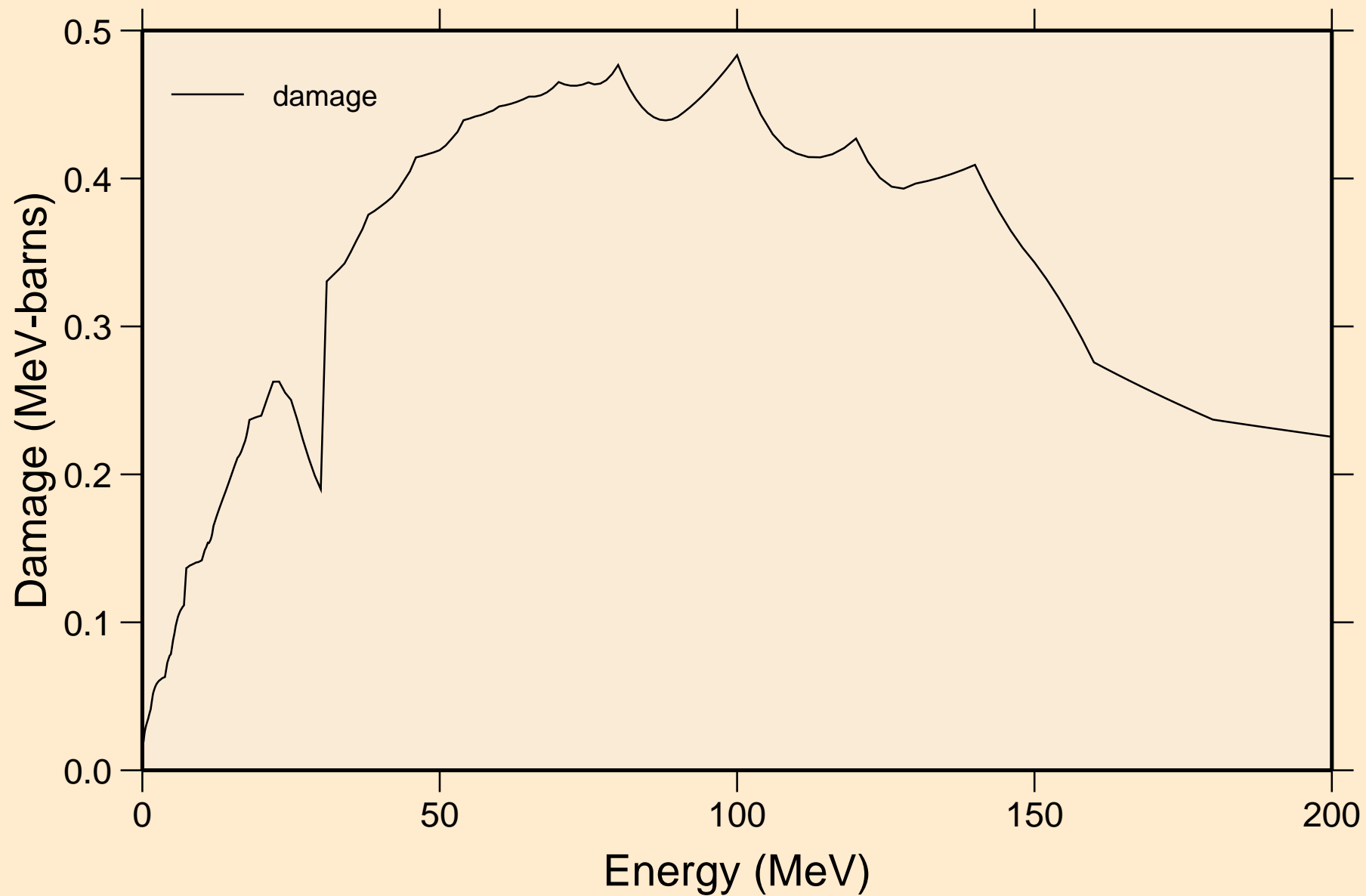
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



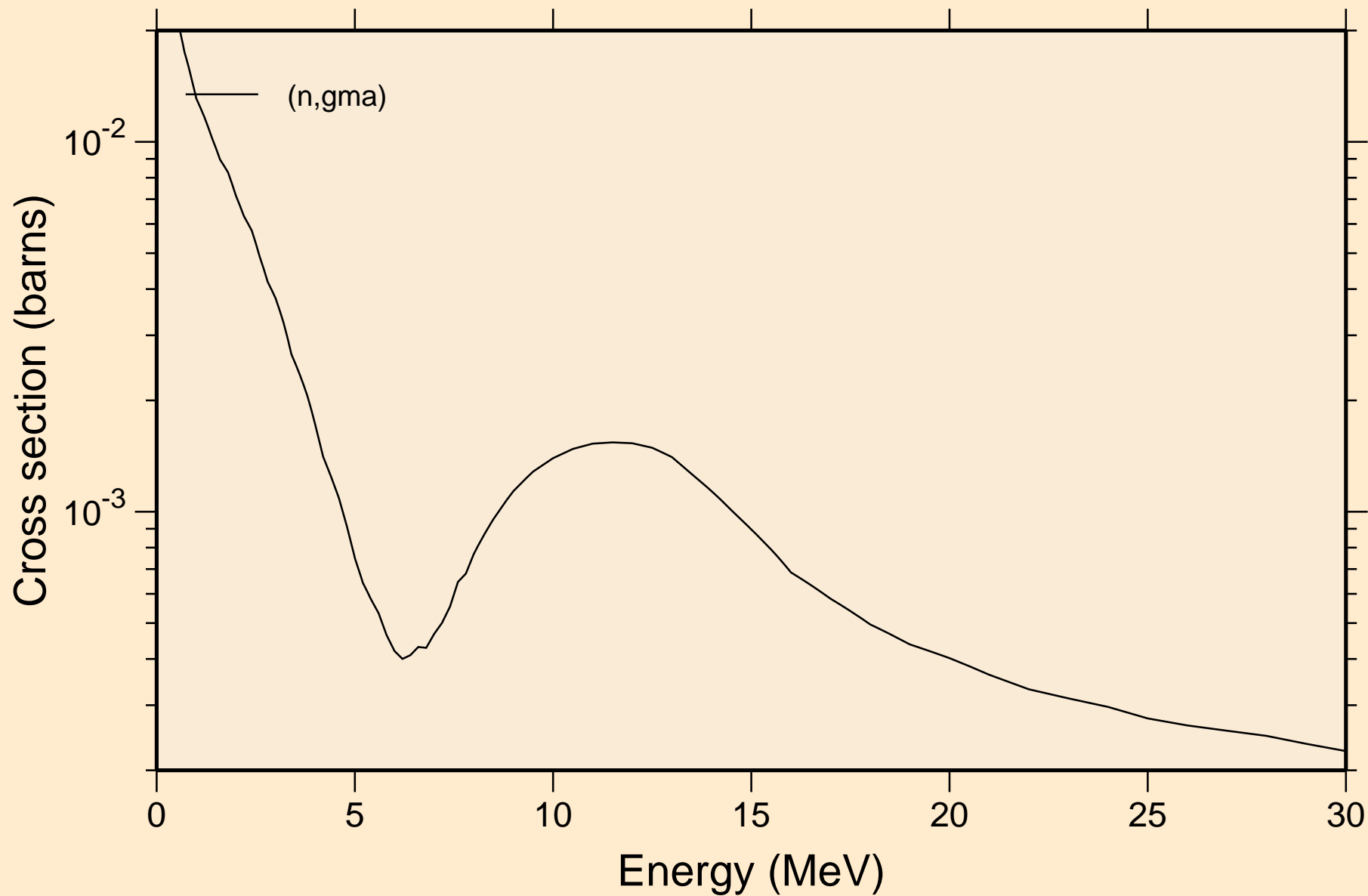
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

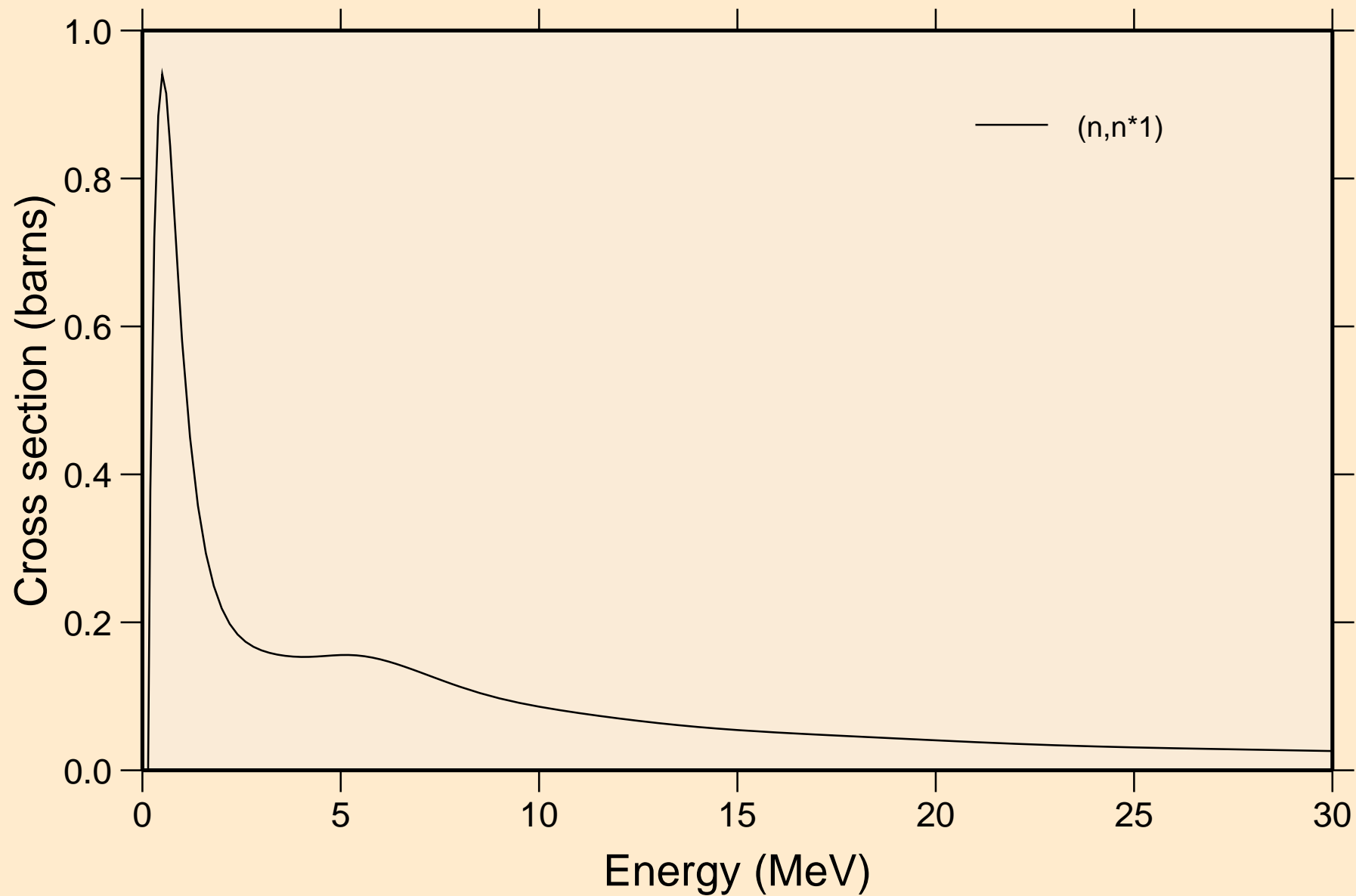


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

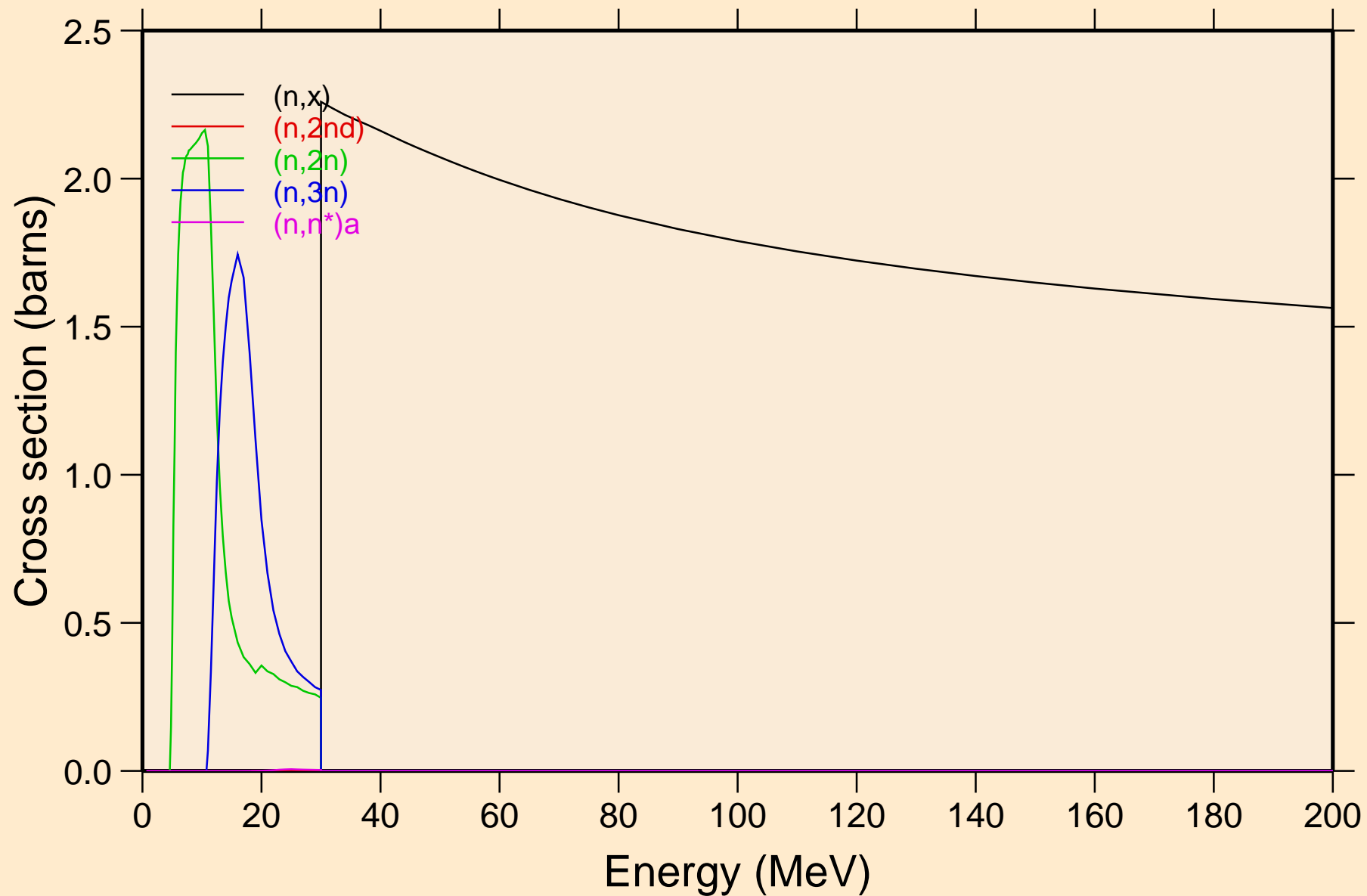




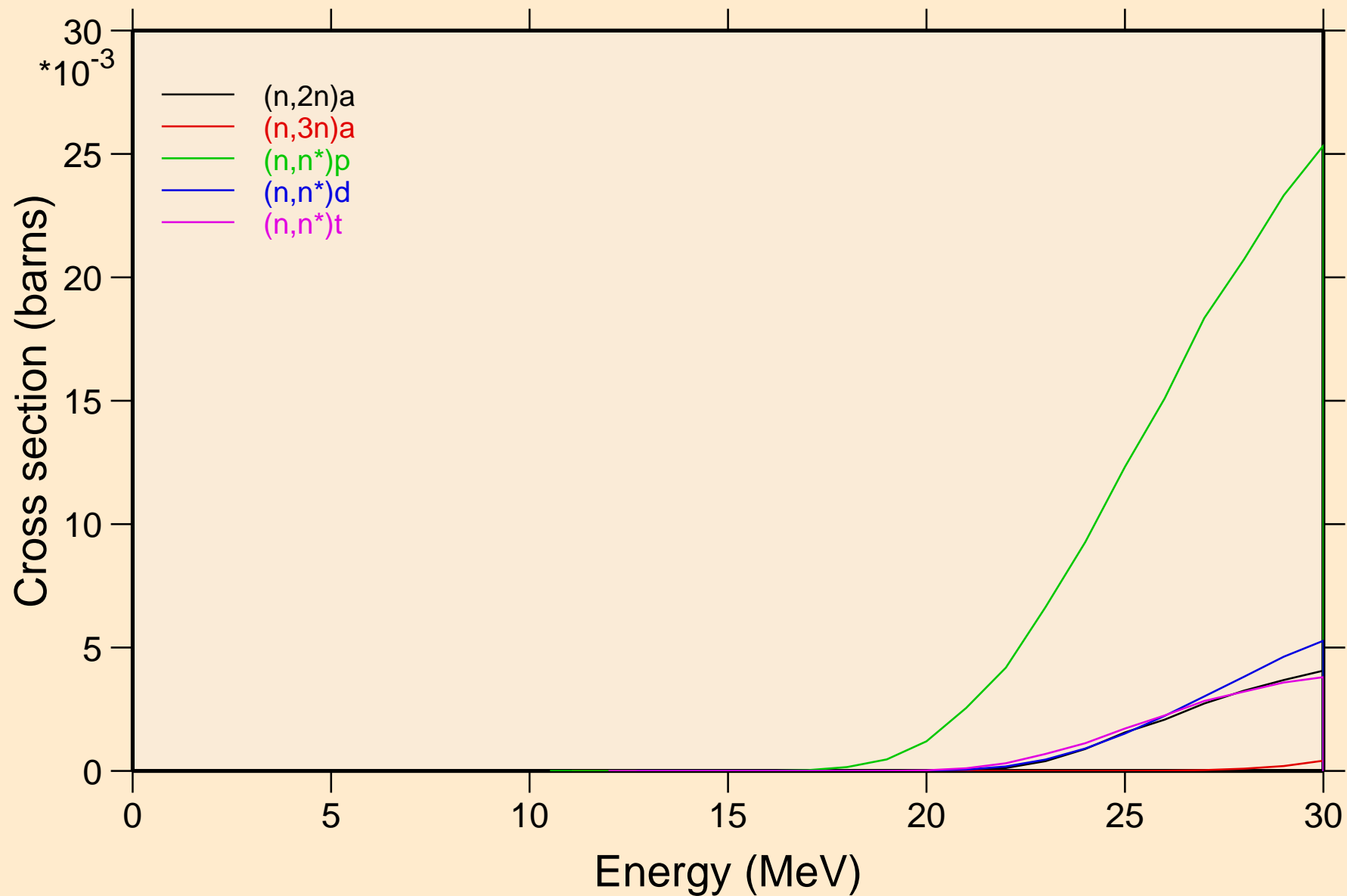
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



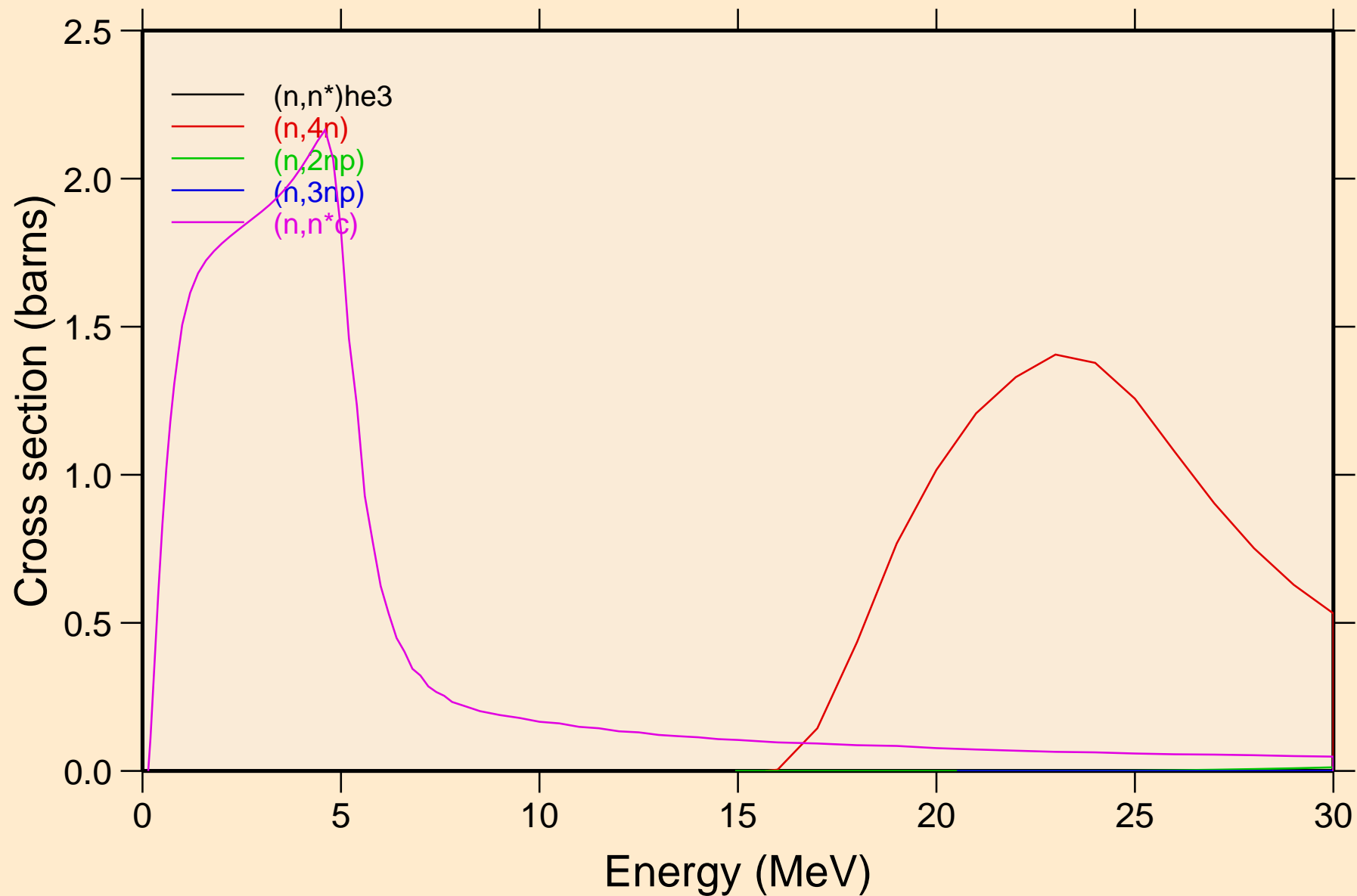
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



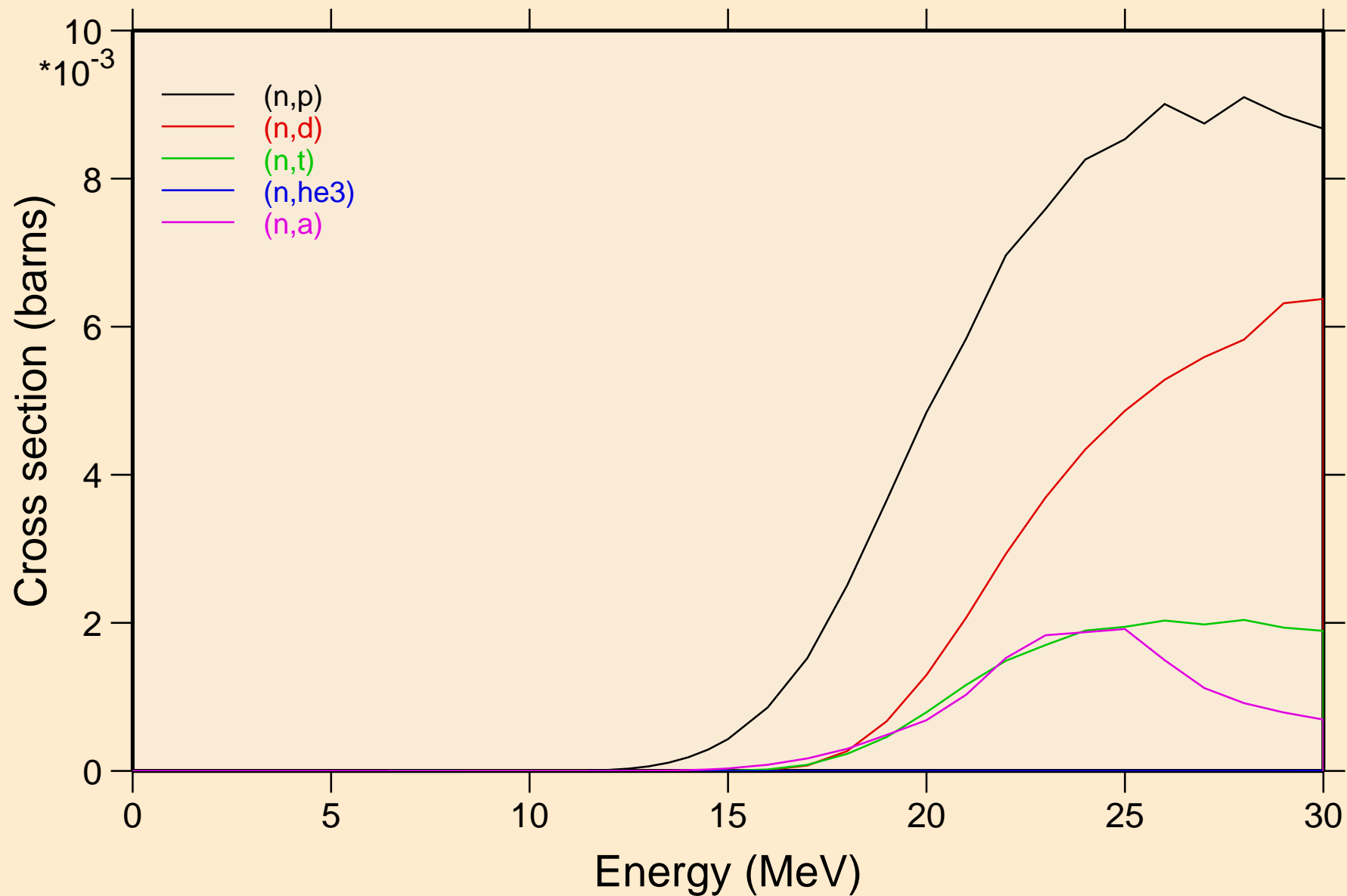
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



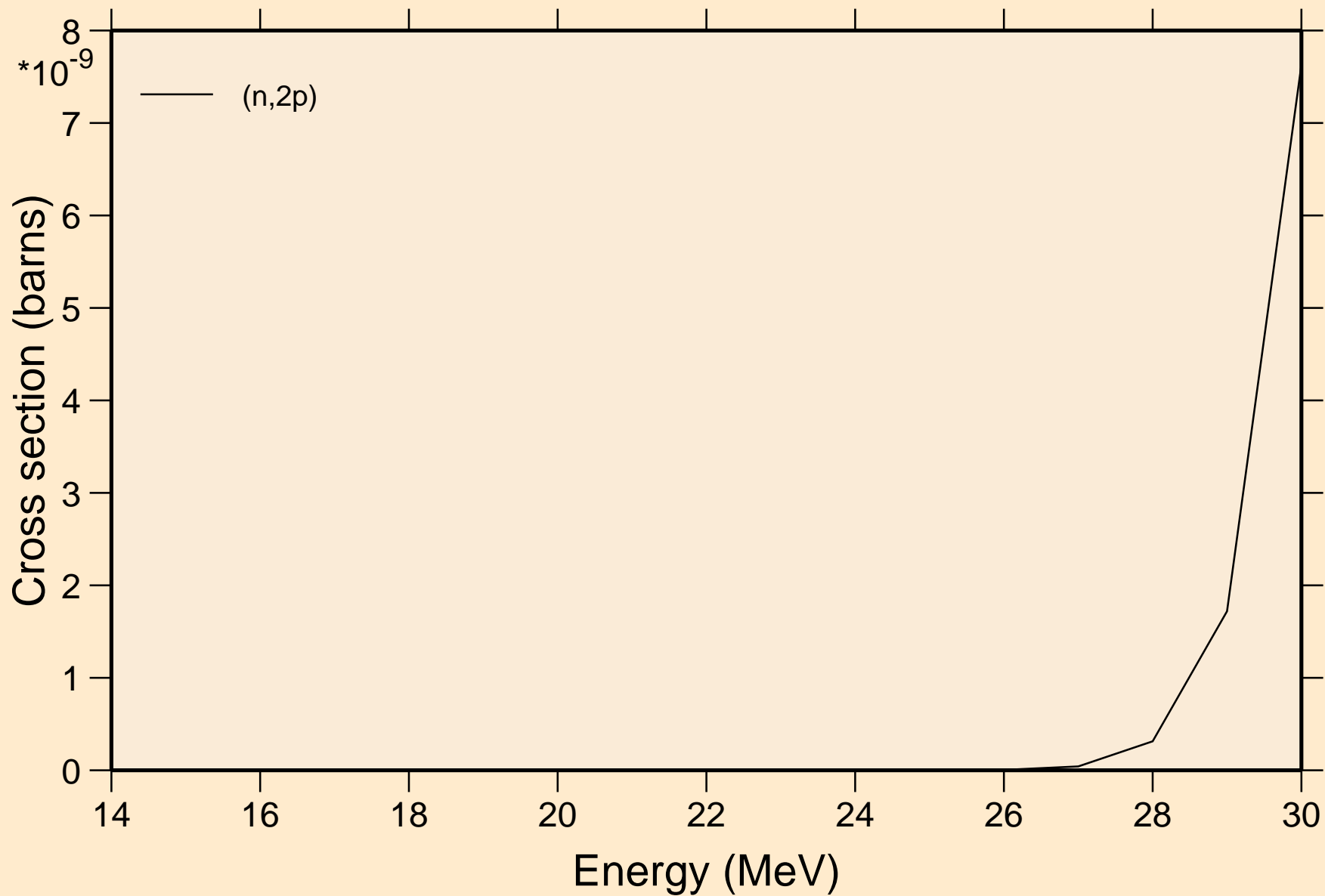
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

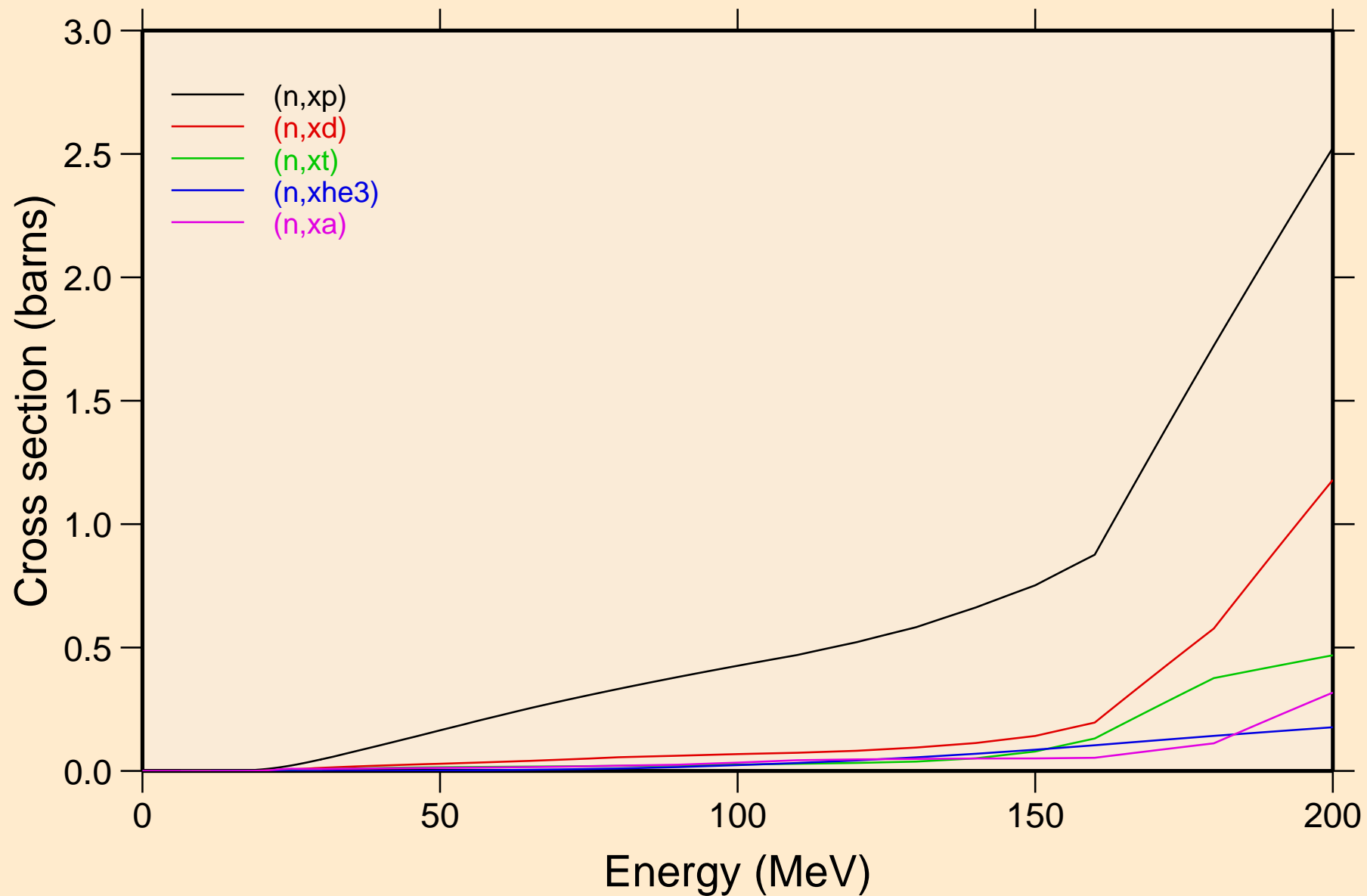


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

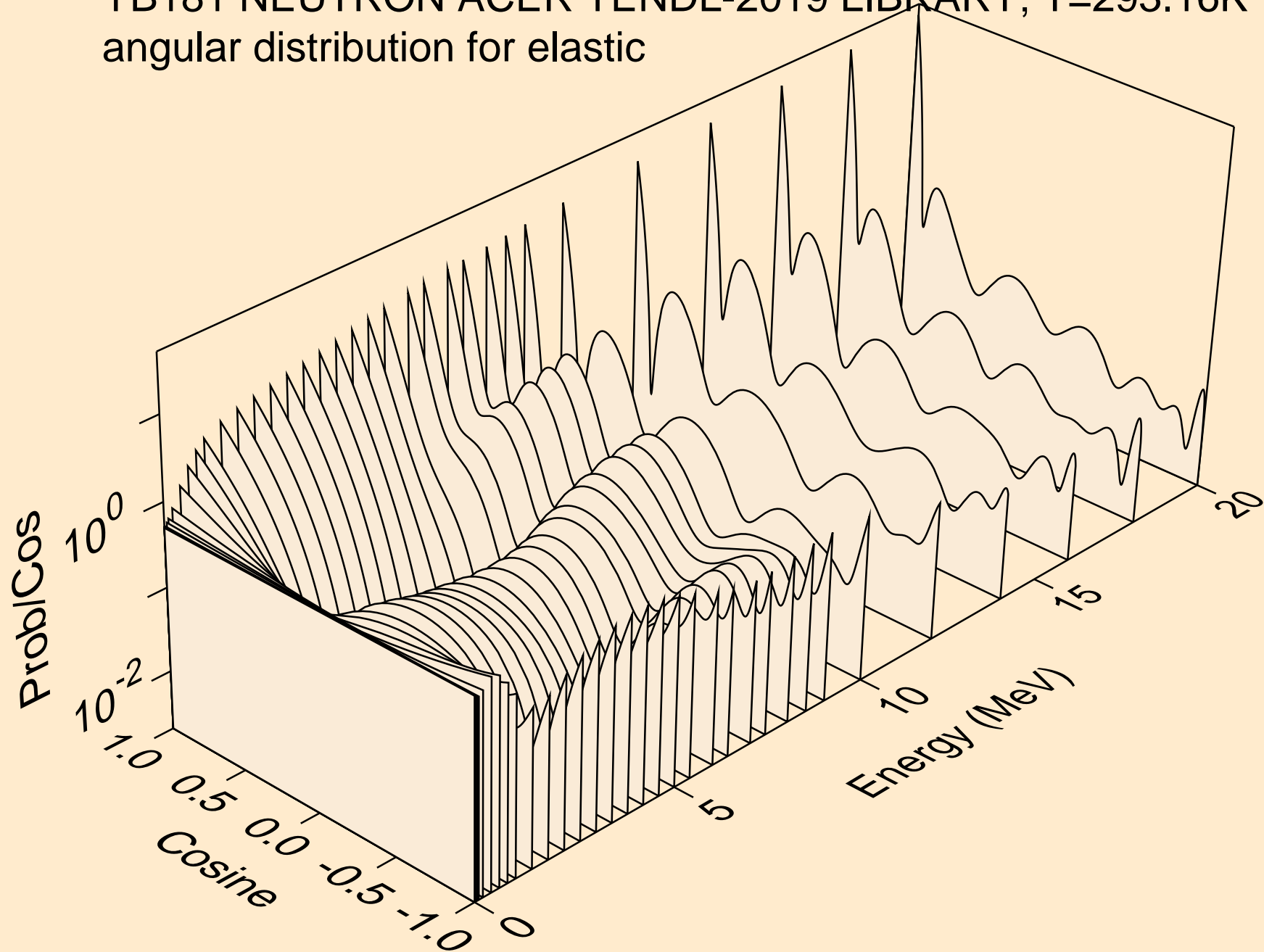


# YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

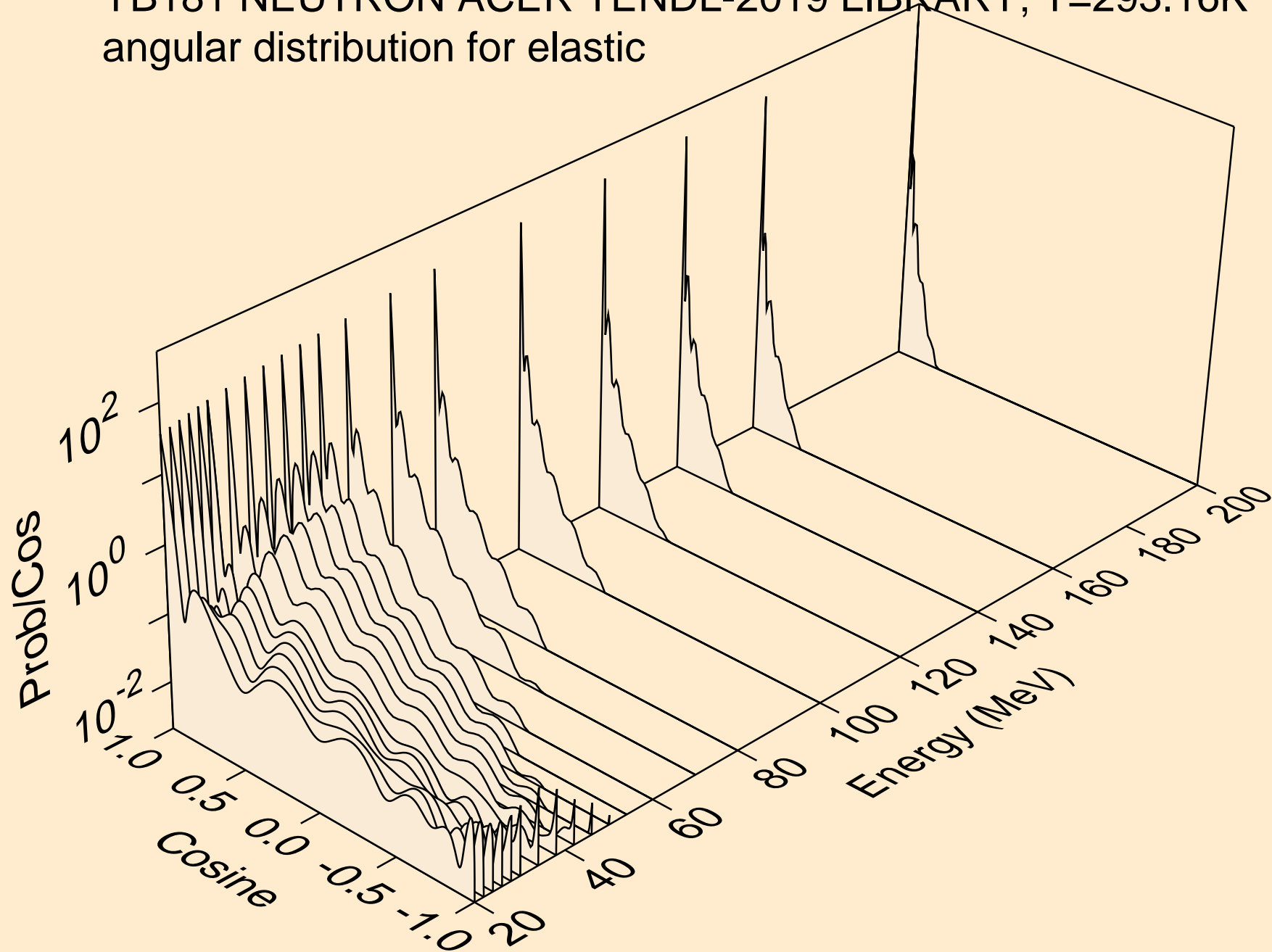


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

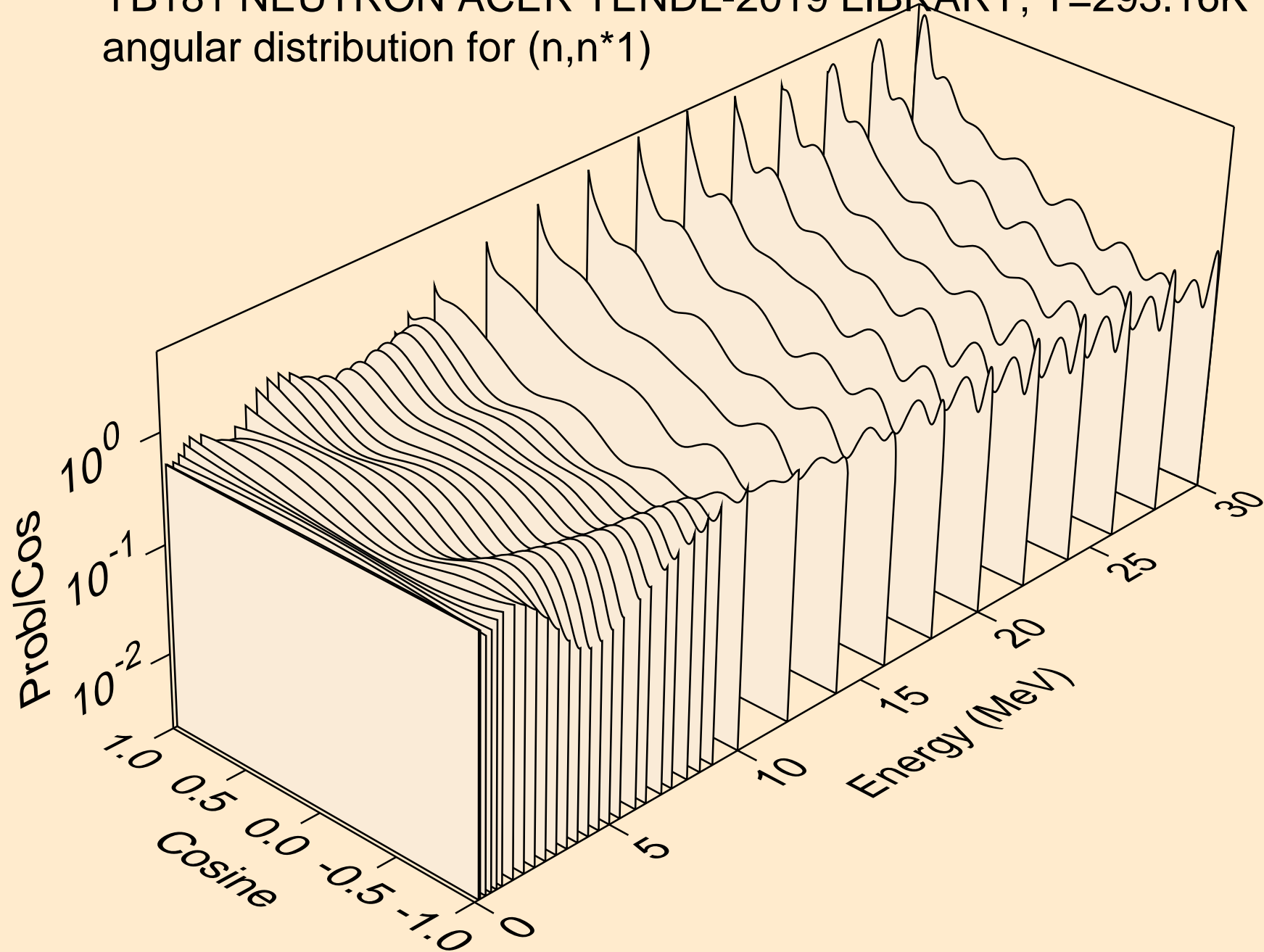




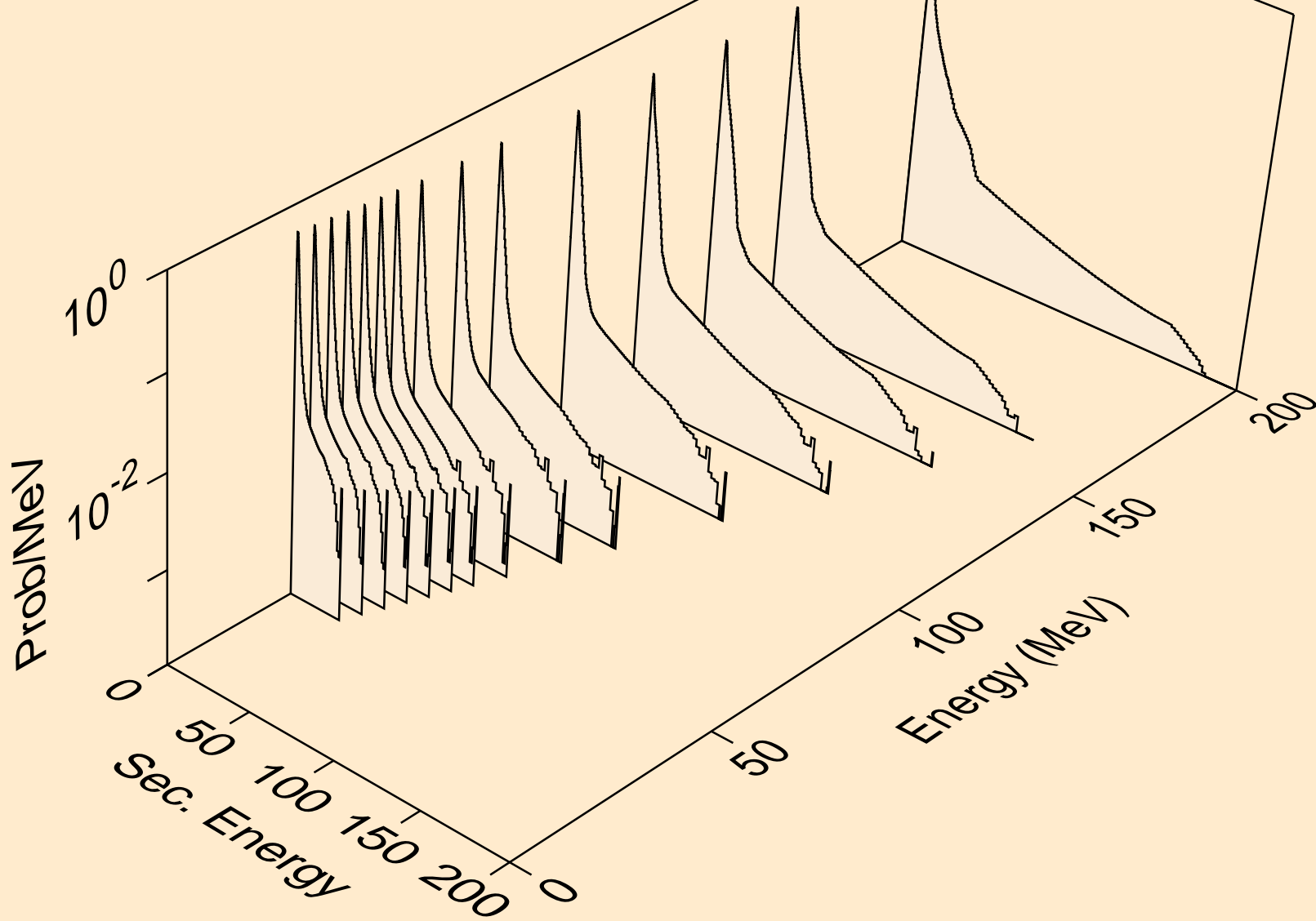
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



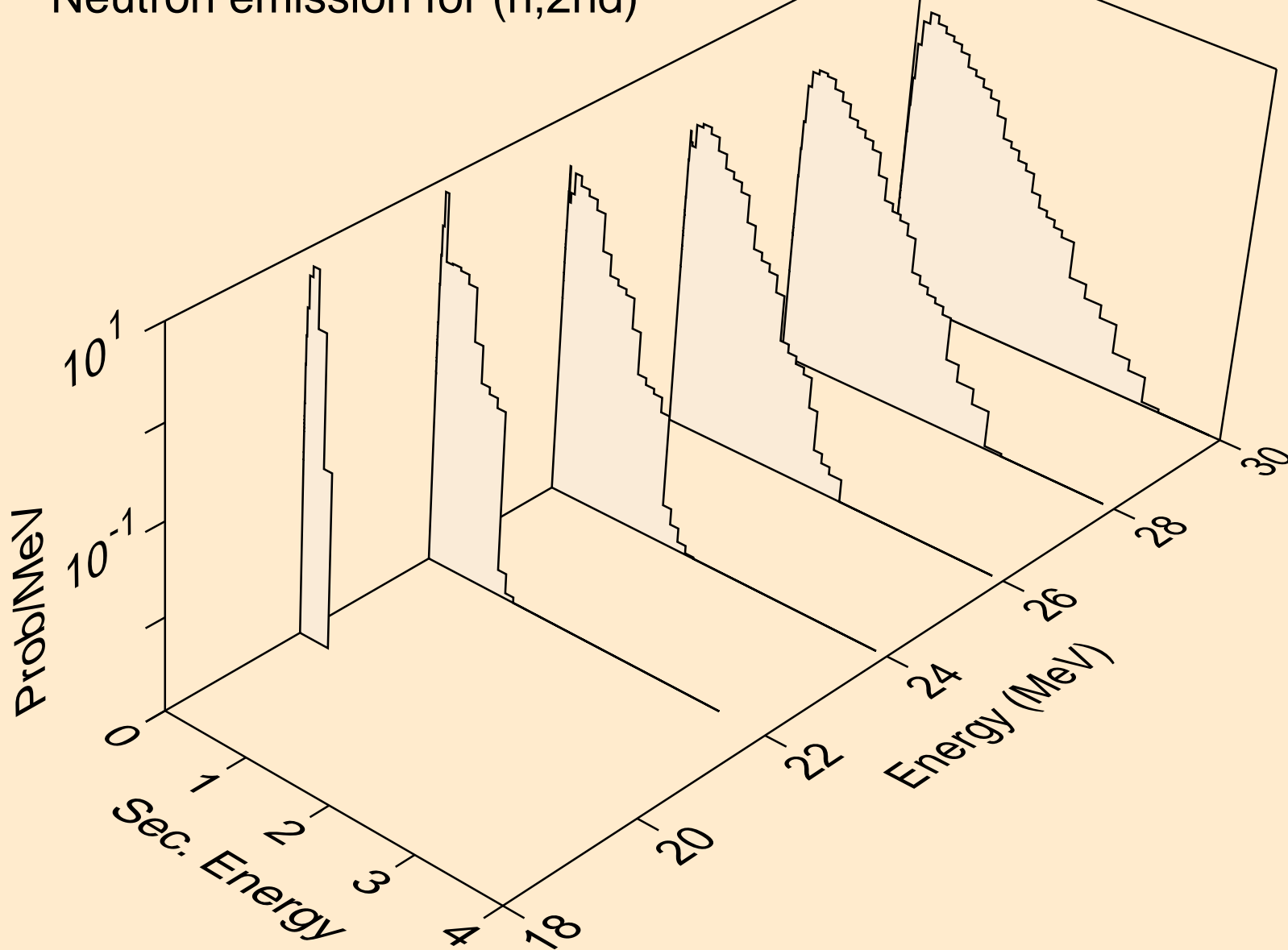
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



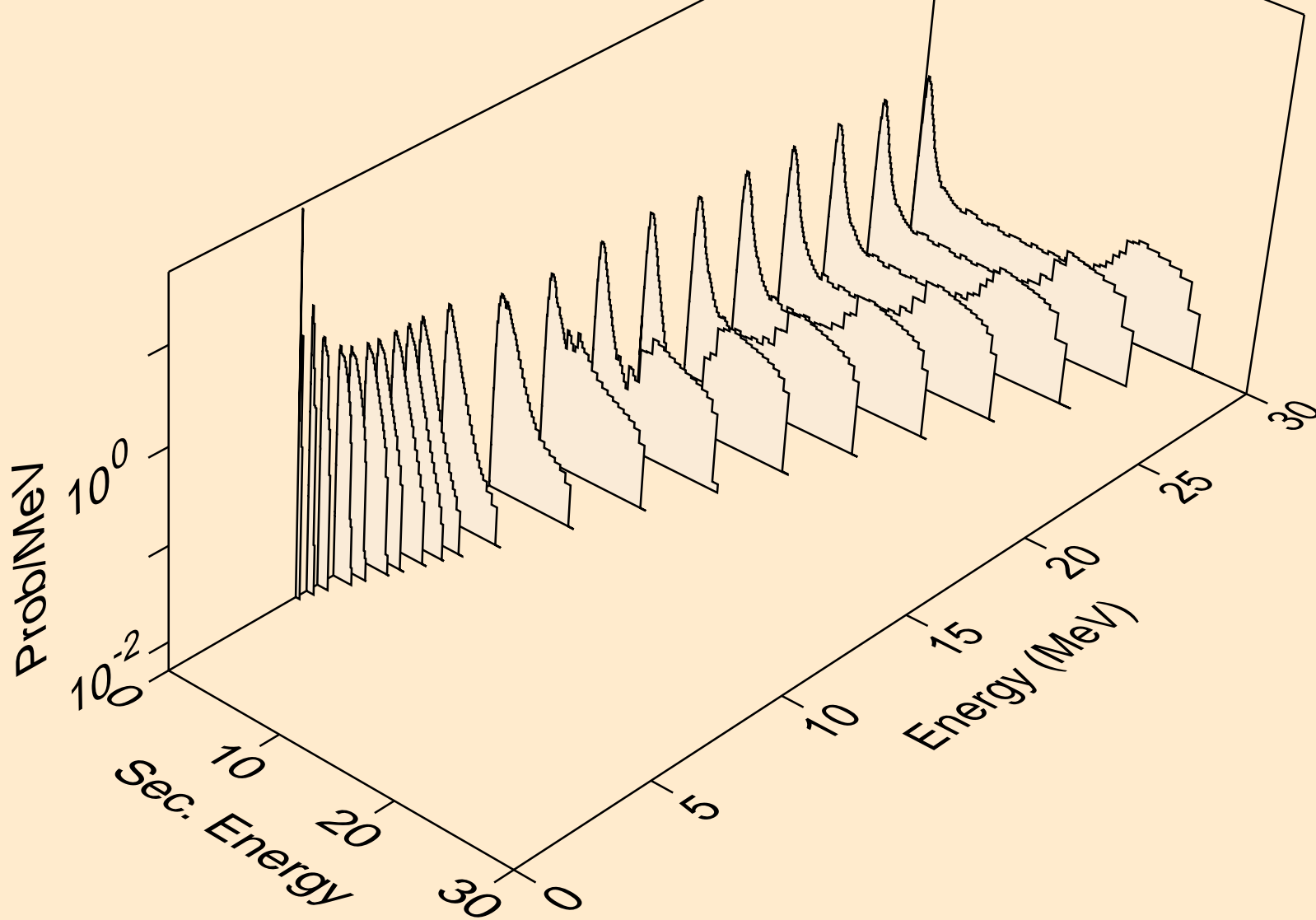
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



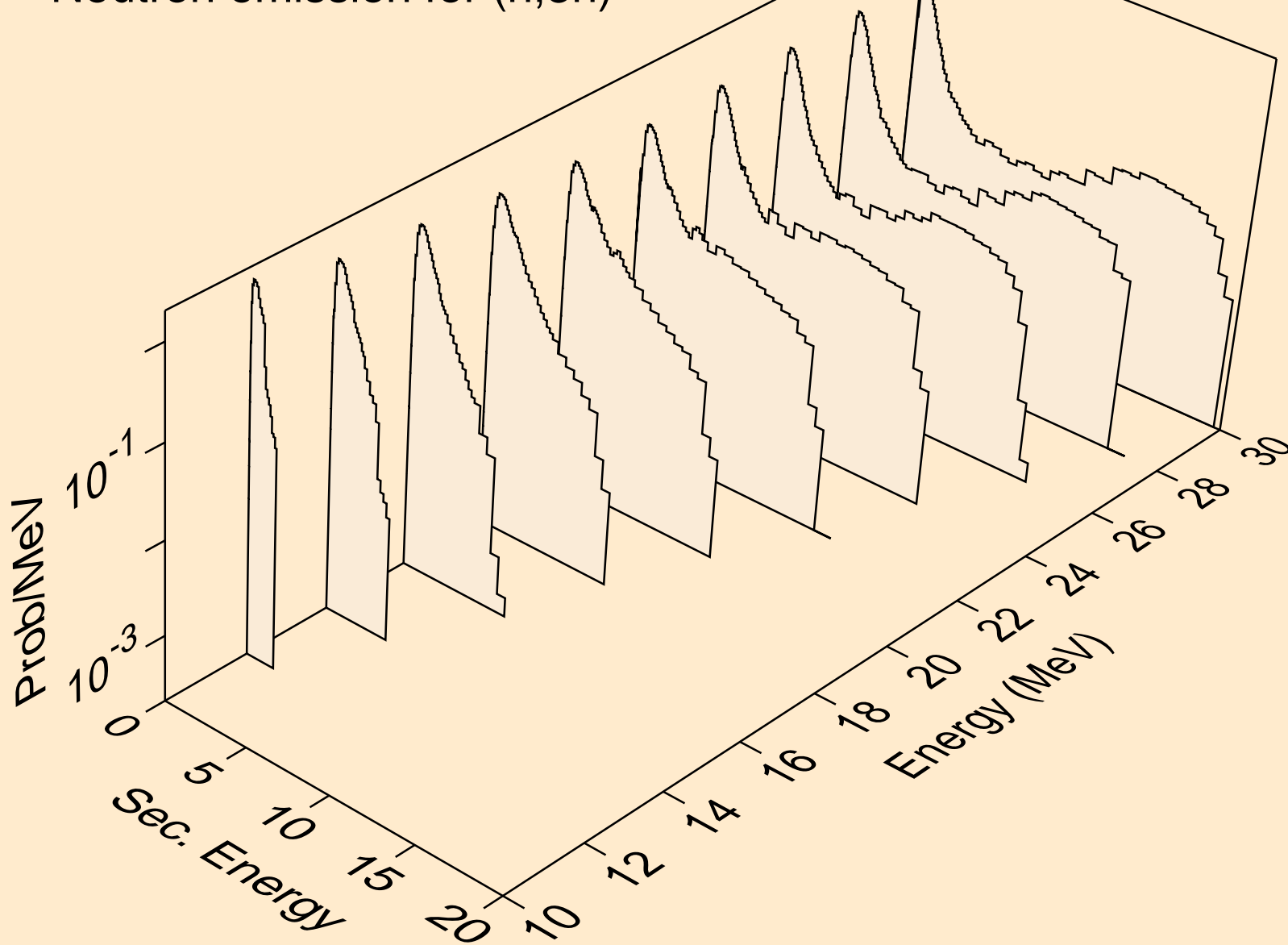
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



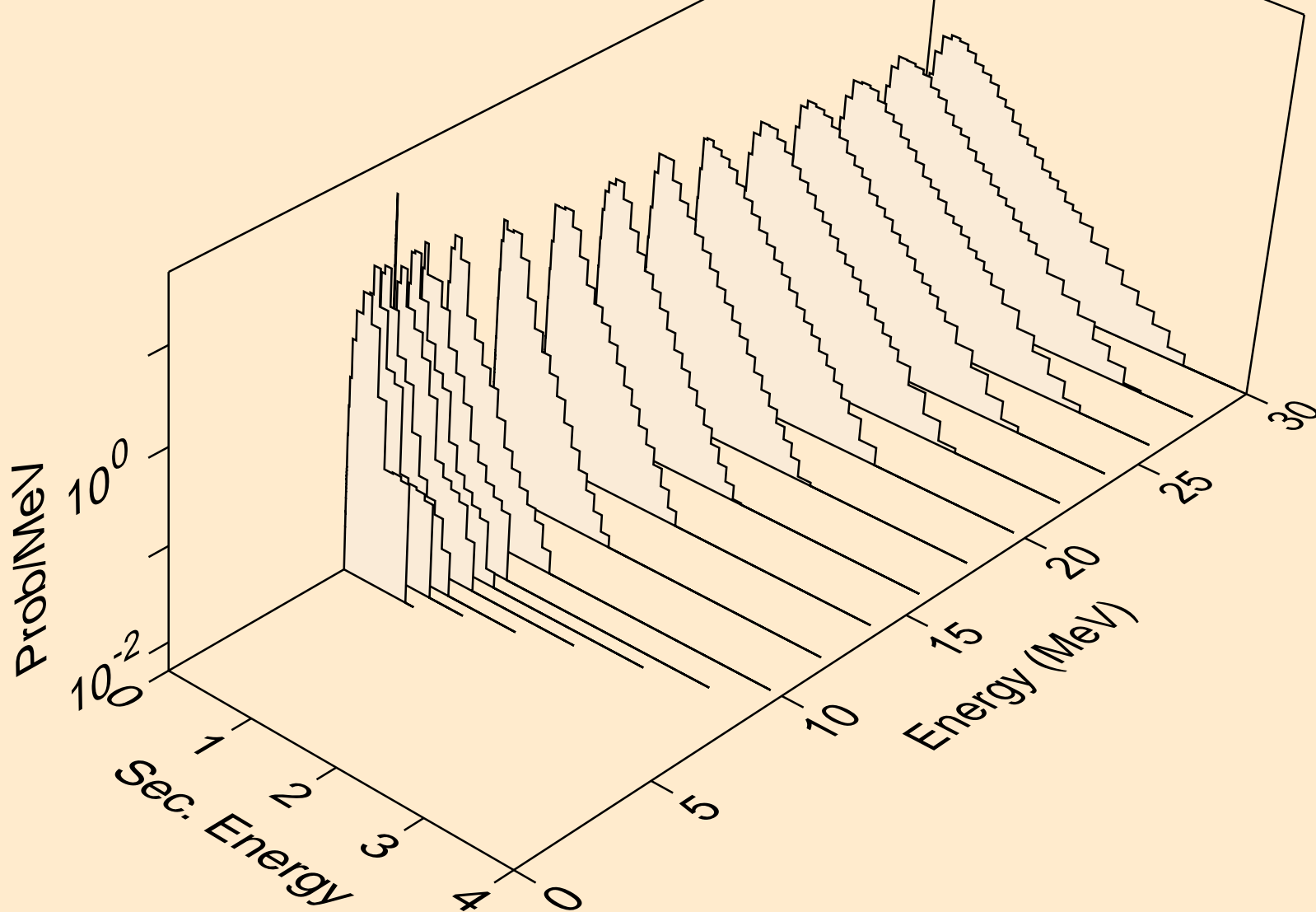
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



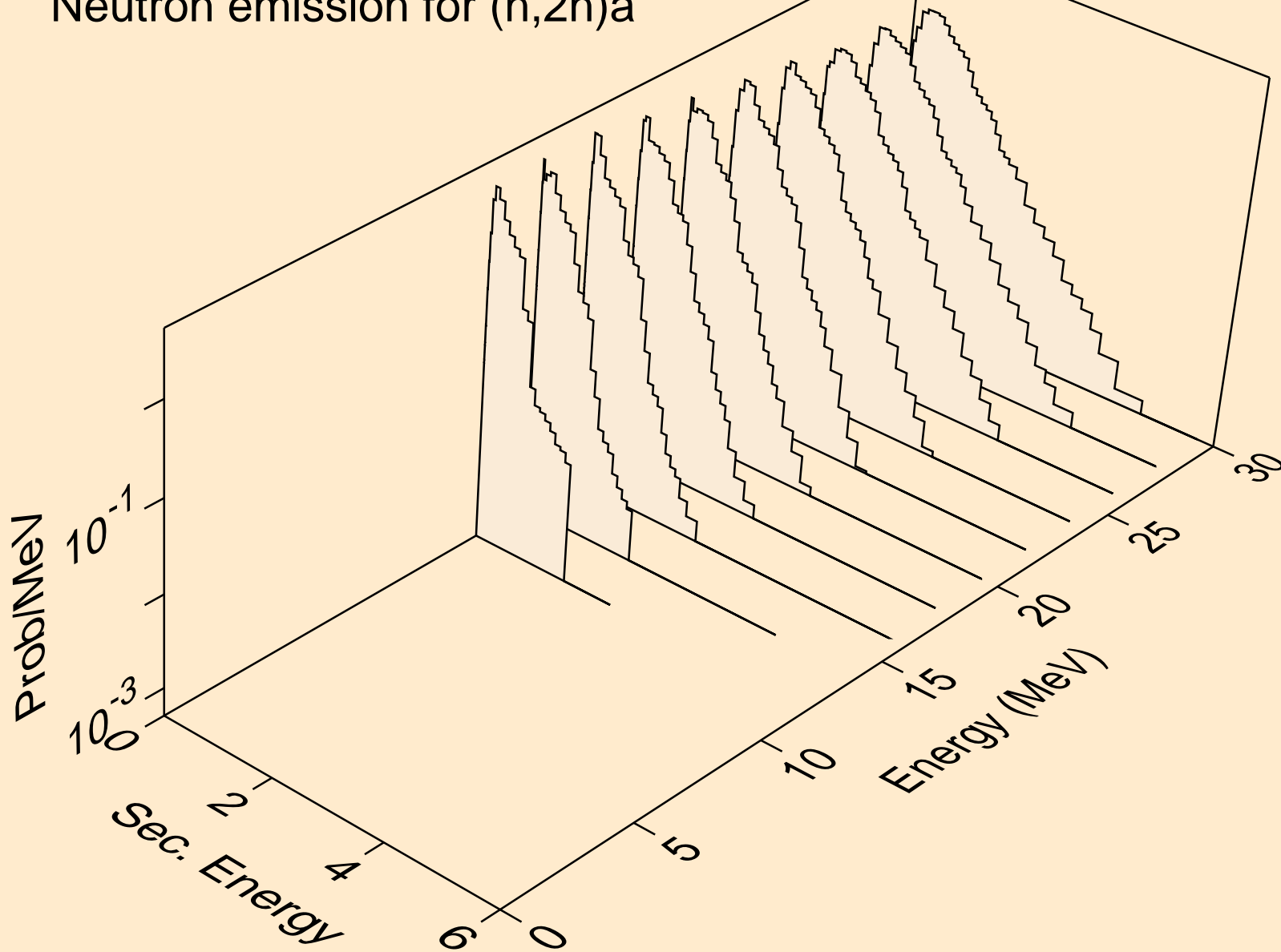
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

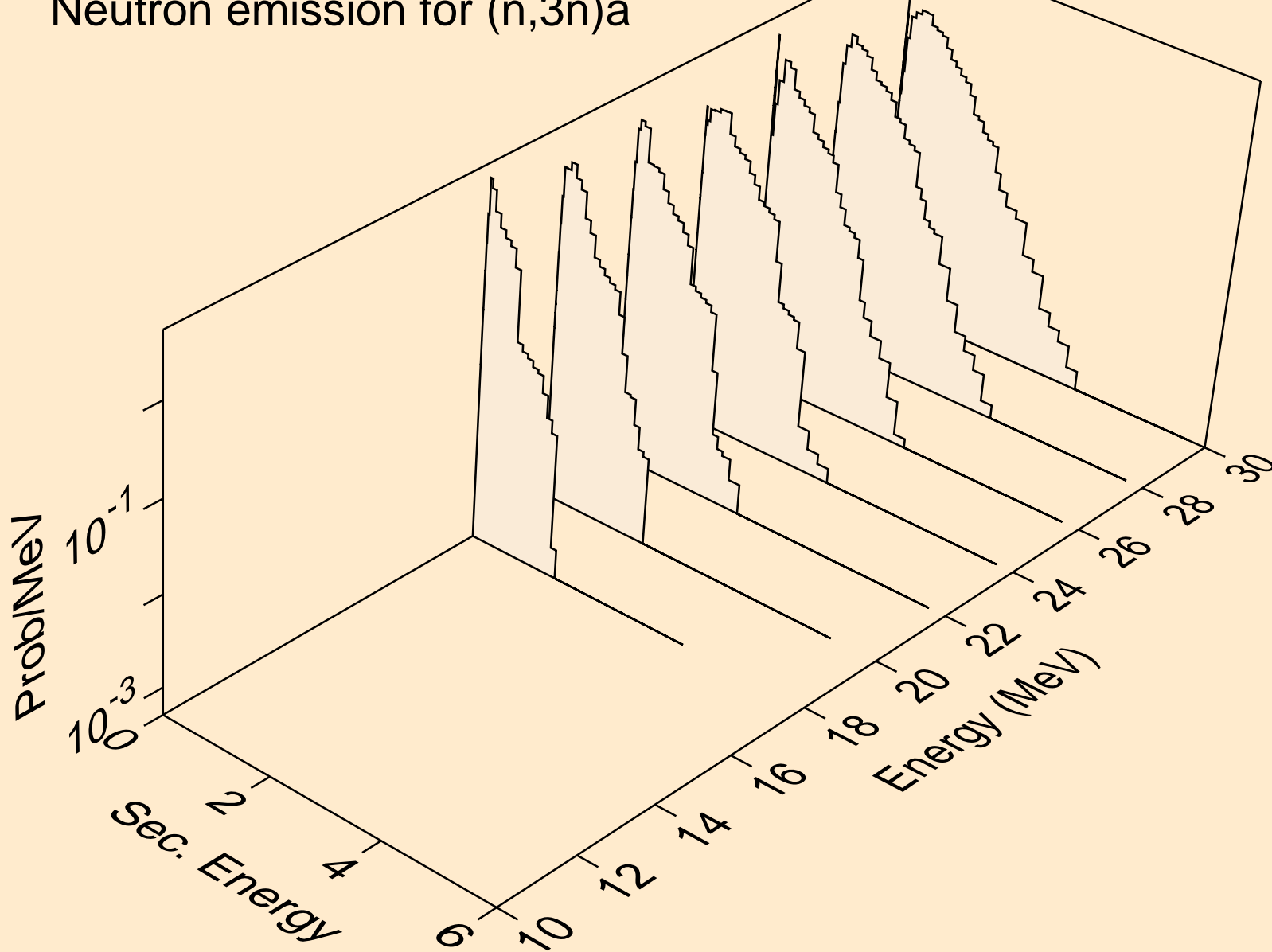


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)<sub>a</sub>

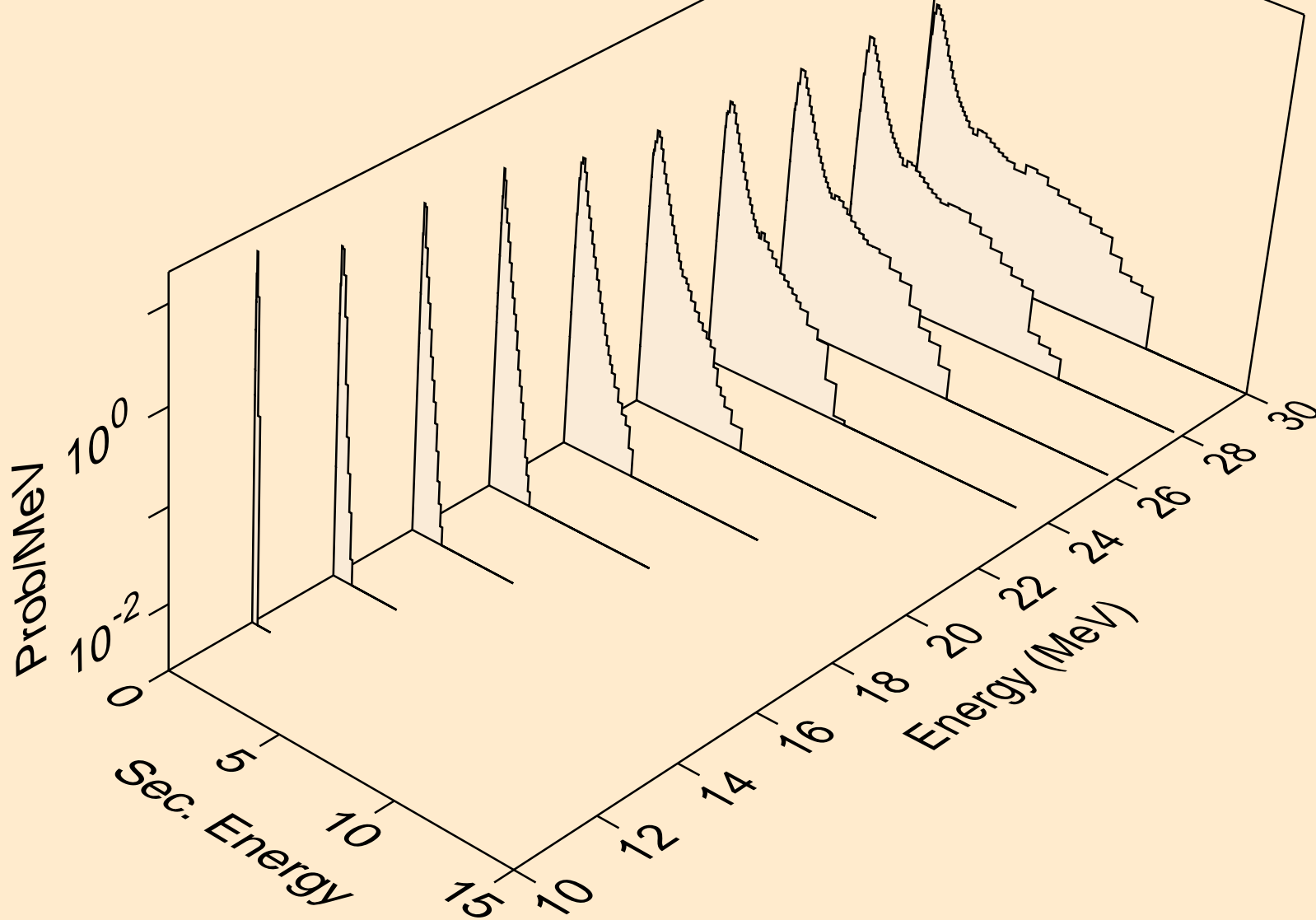




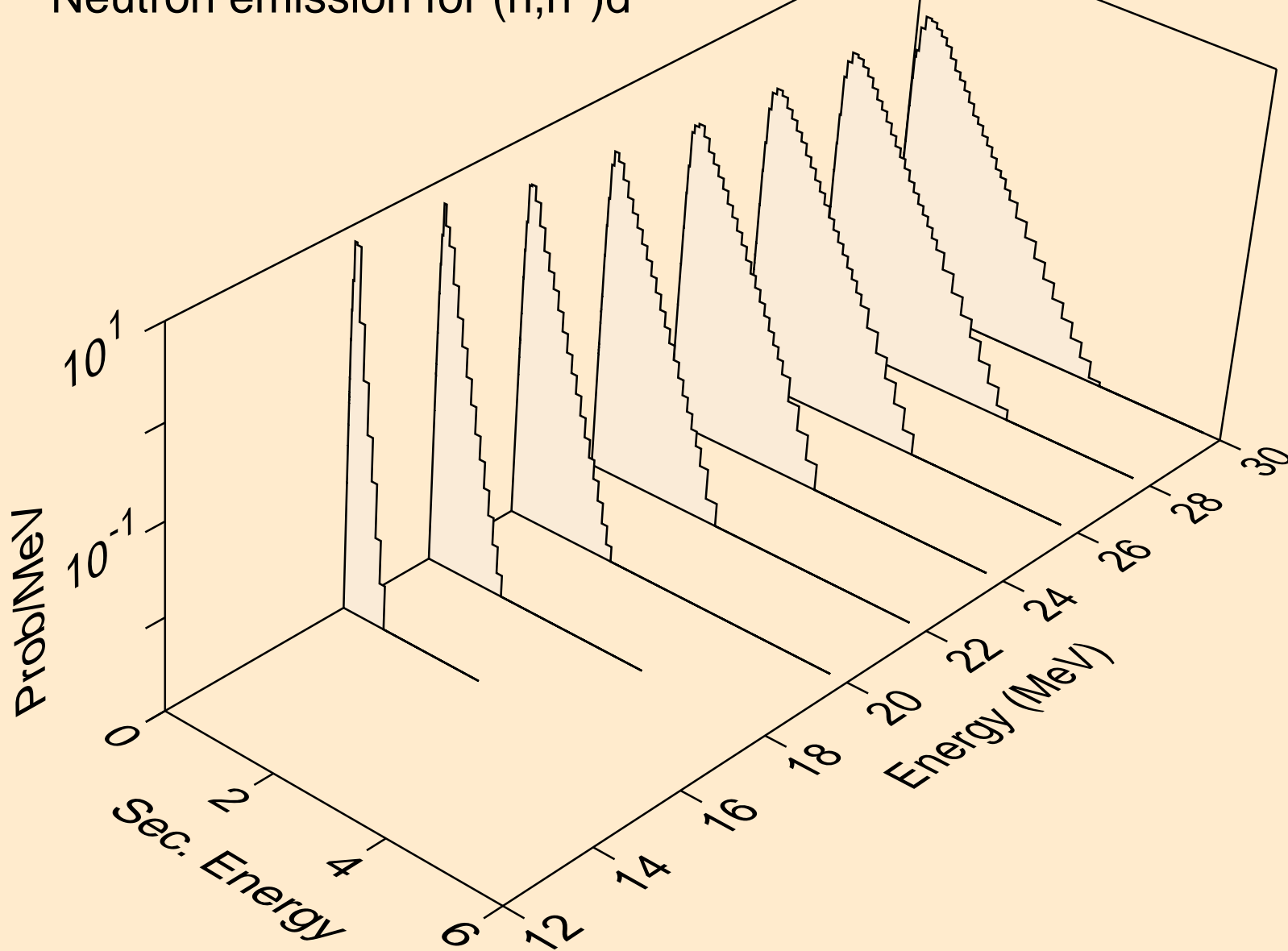
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



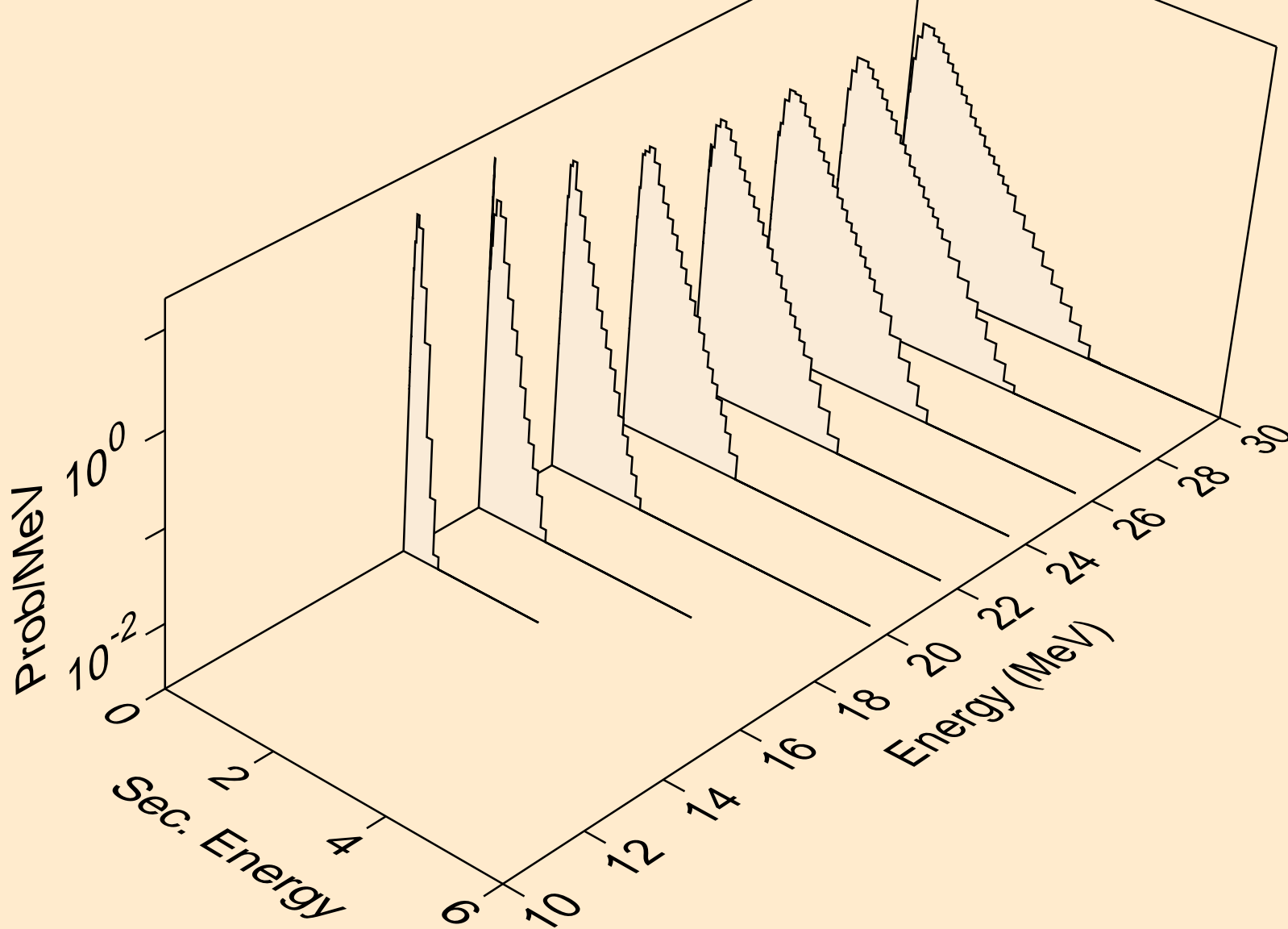
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



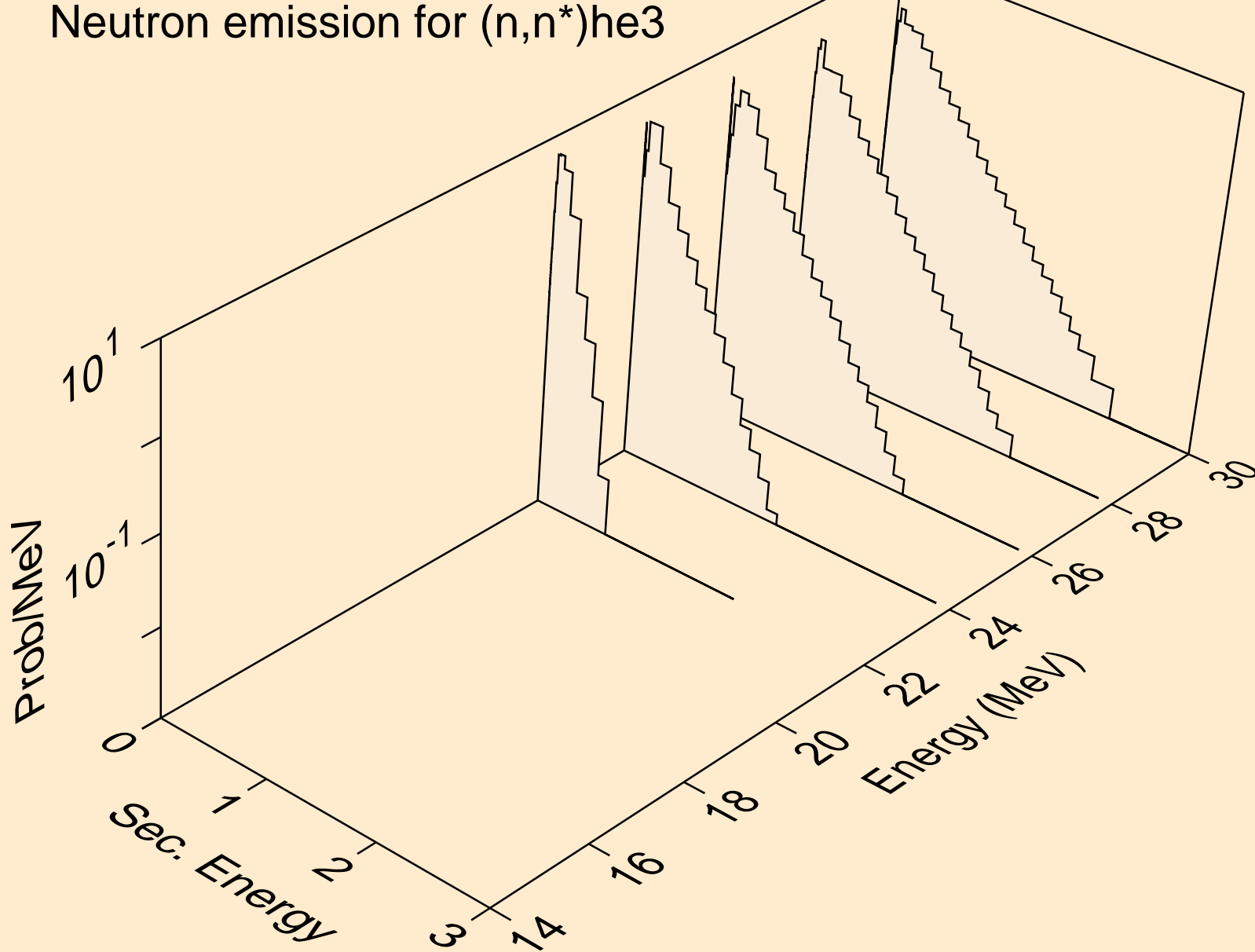
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



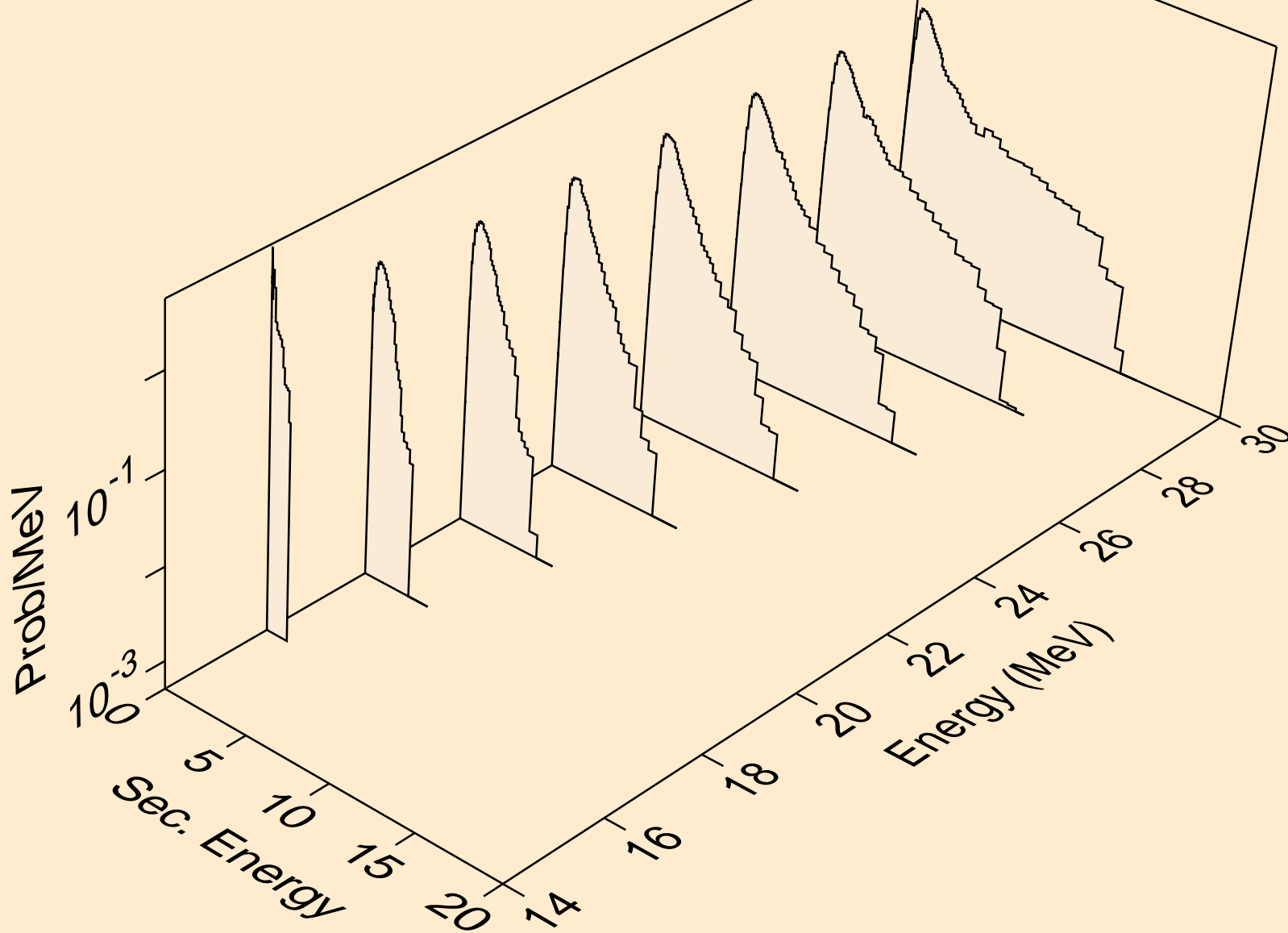
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



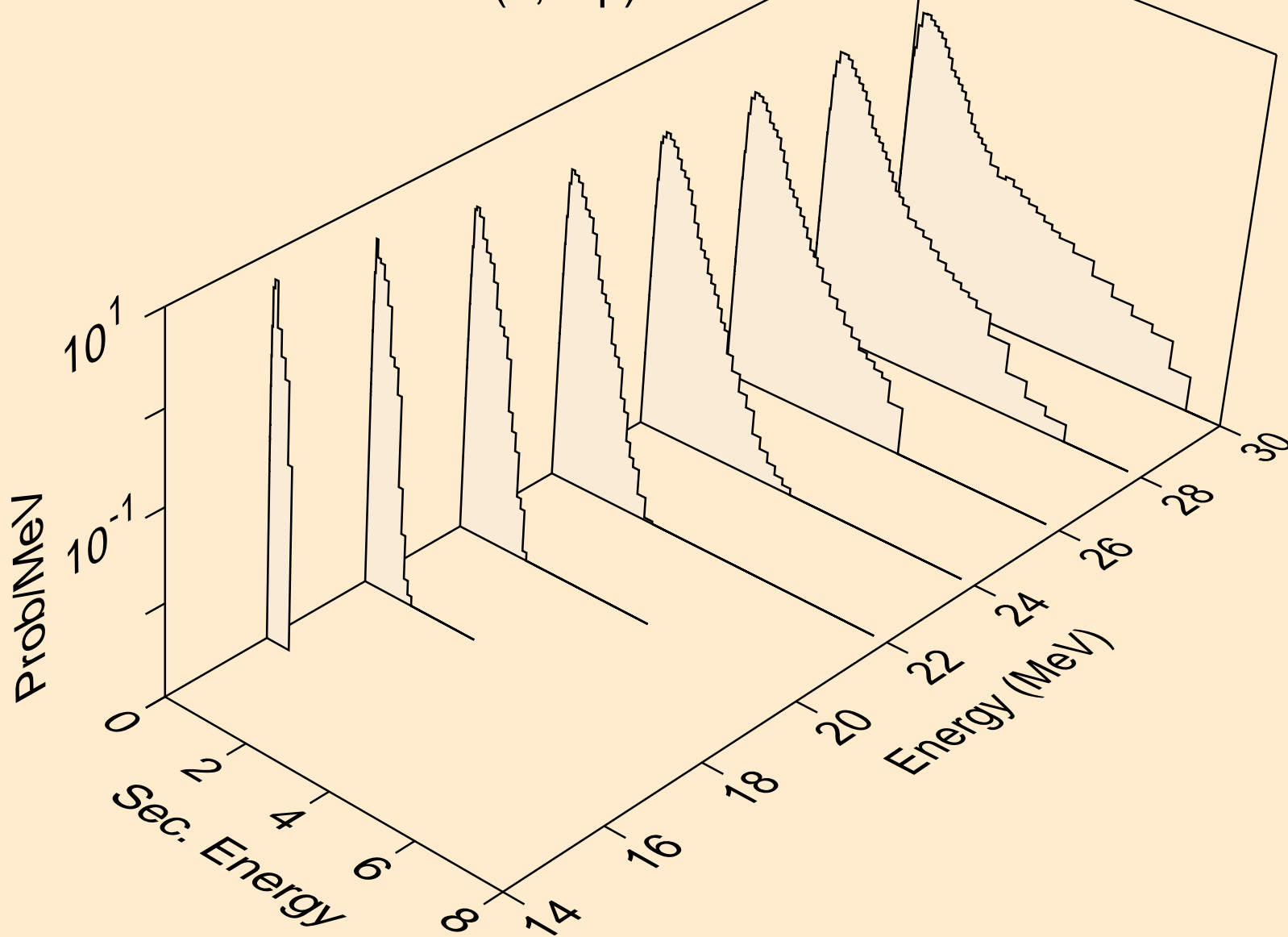
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



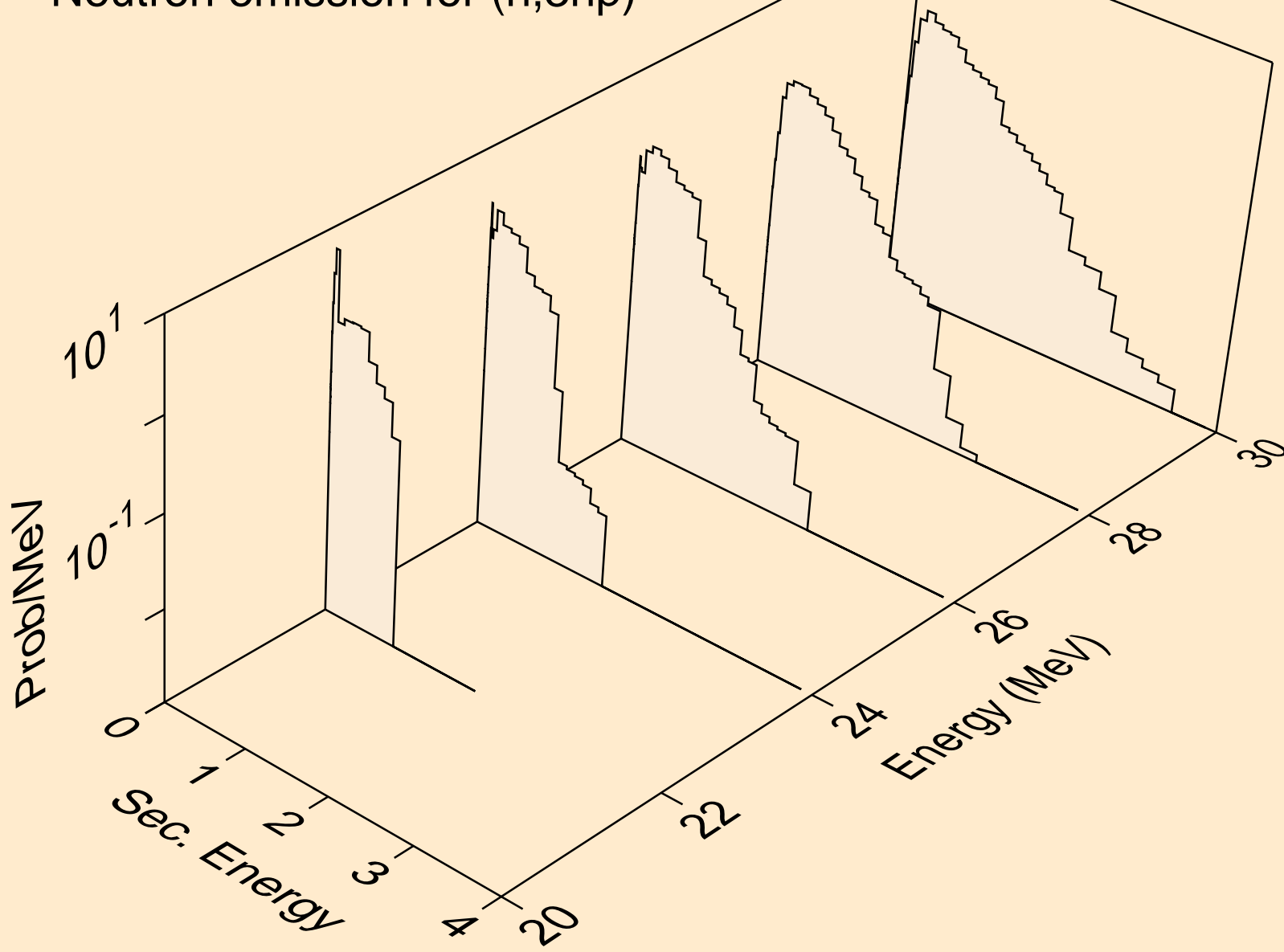
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

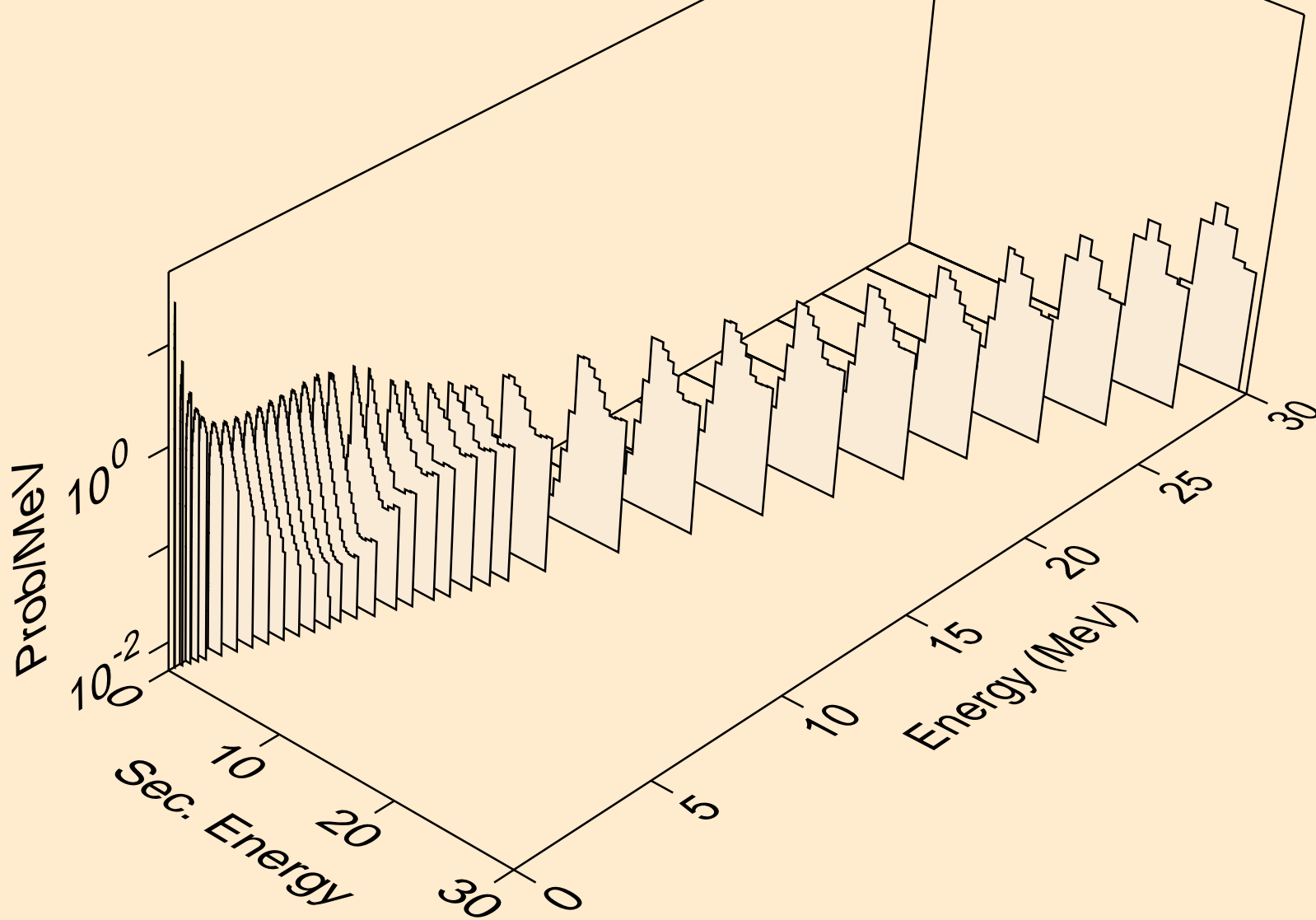


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Neutron emission for (n,3np)

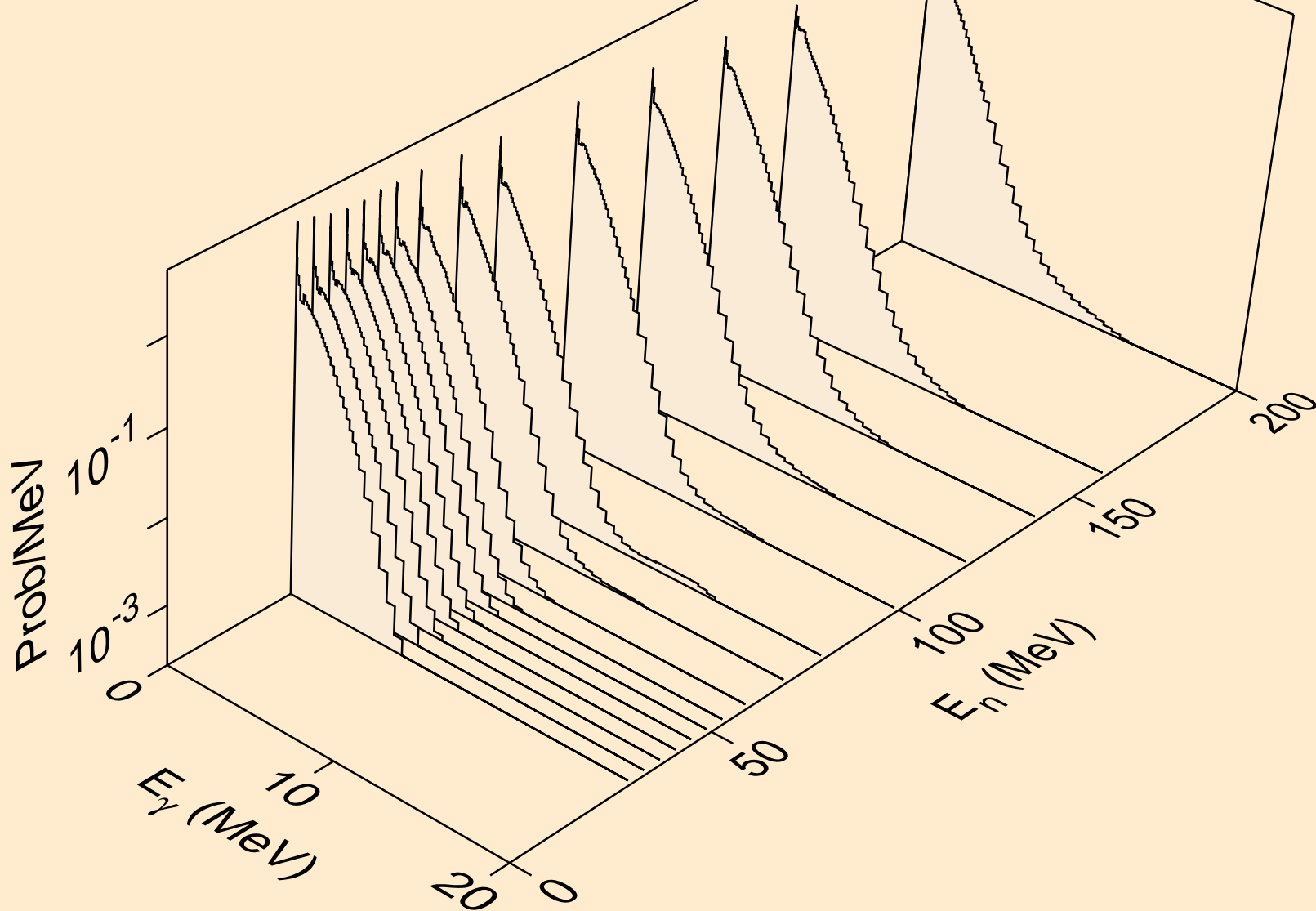




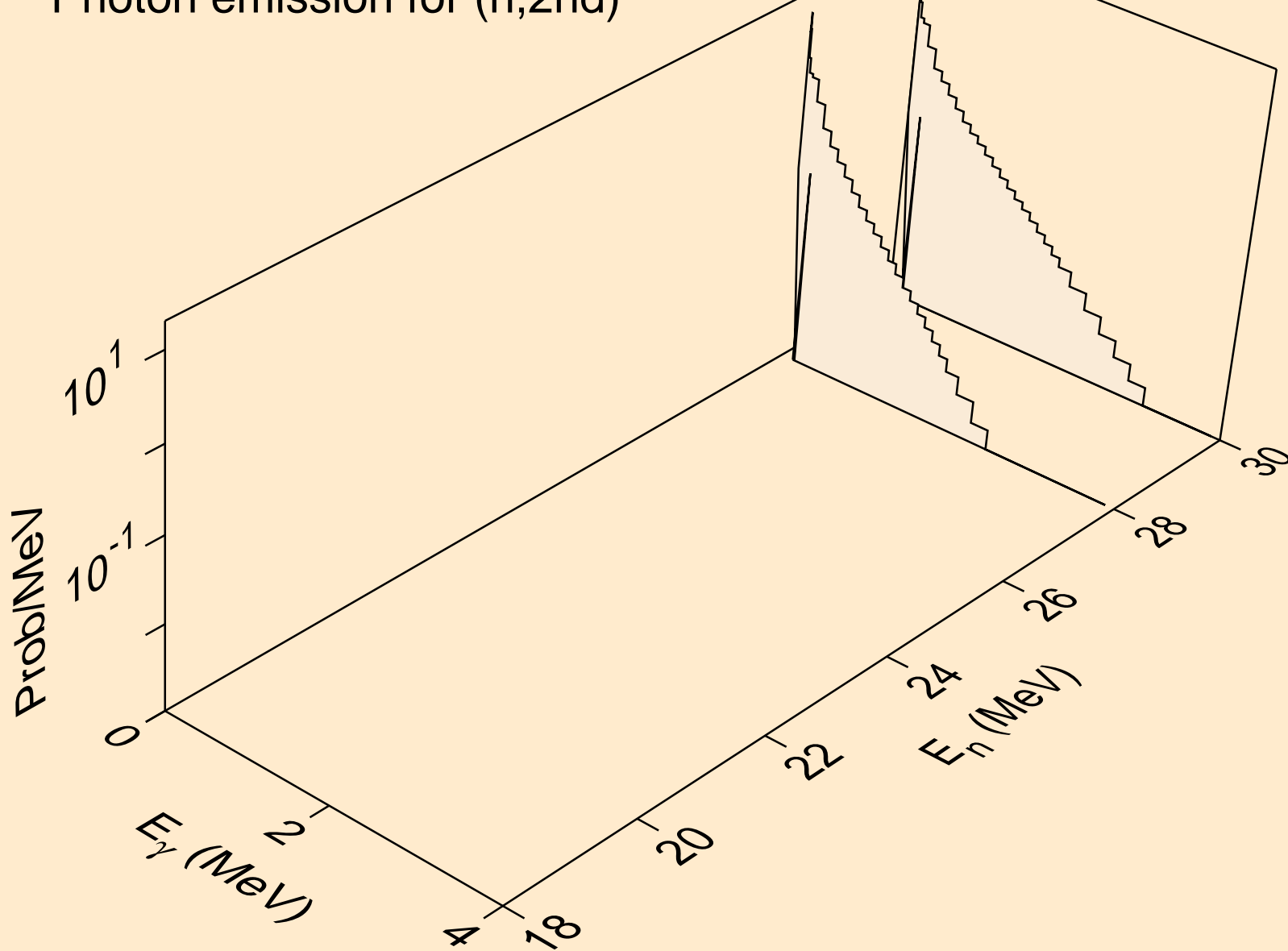
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Neutron emission for (n,n\*c)



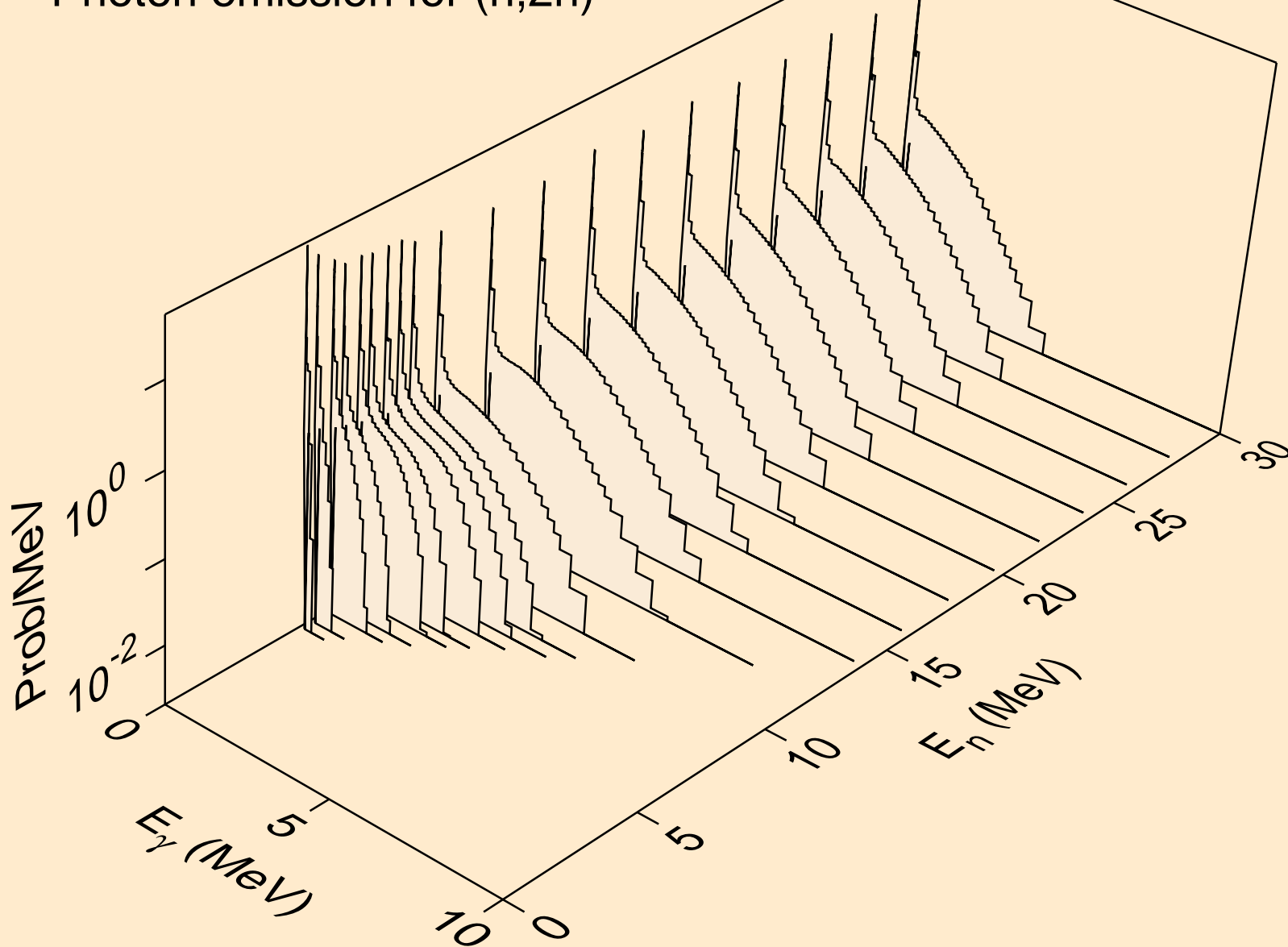
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



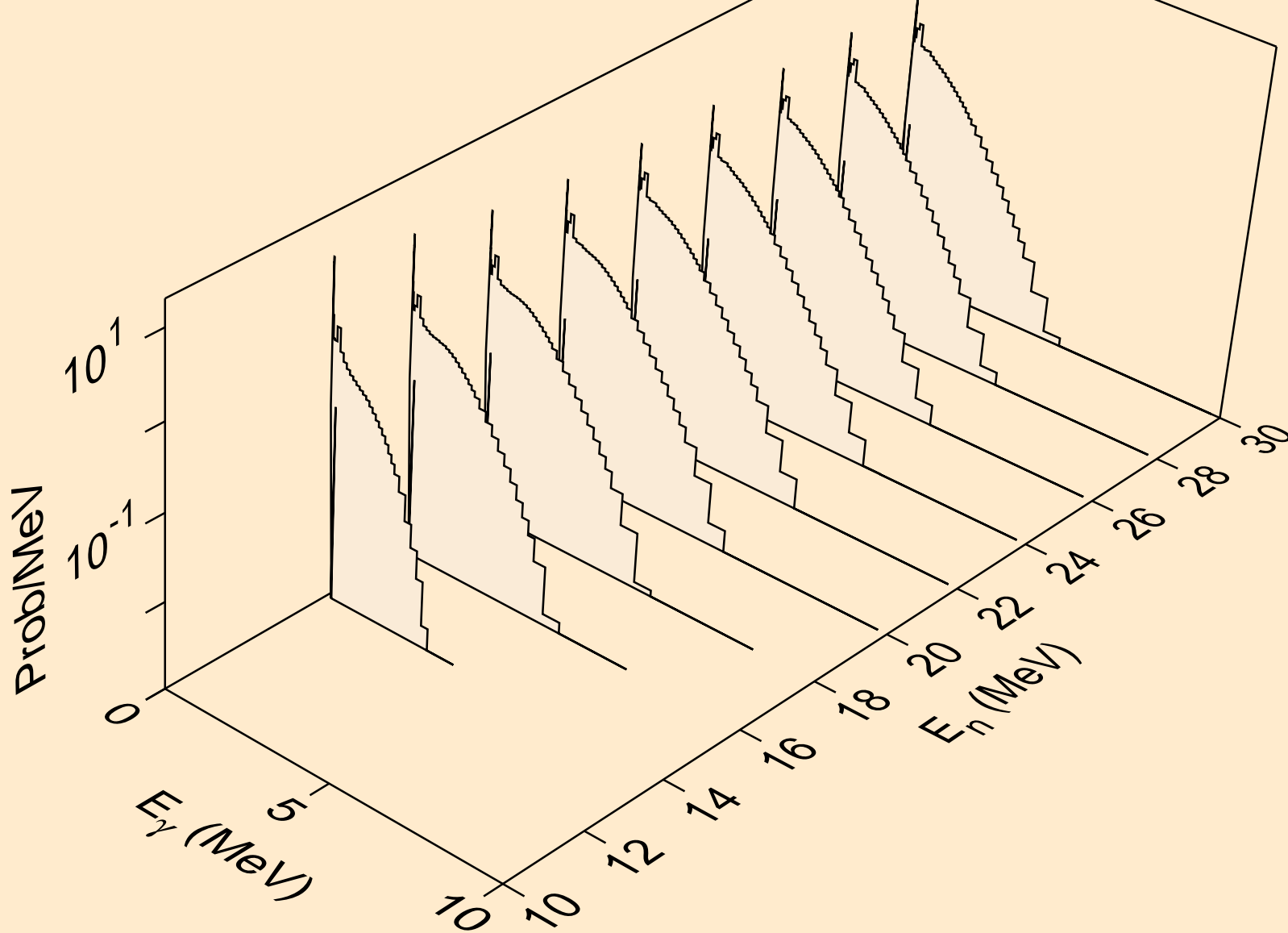
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Photon emission for (n,2nd)



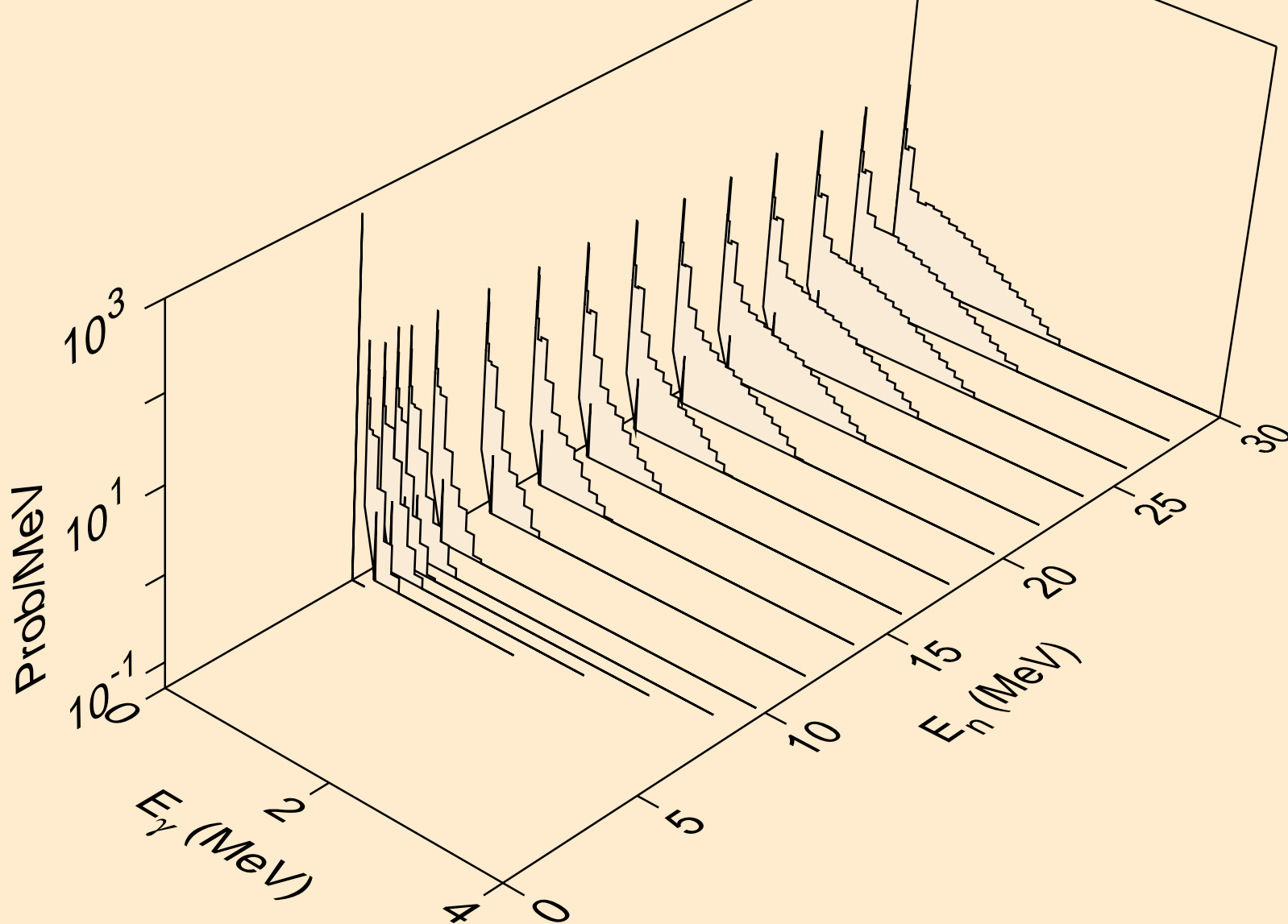
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Photon emission for (n,2n)



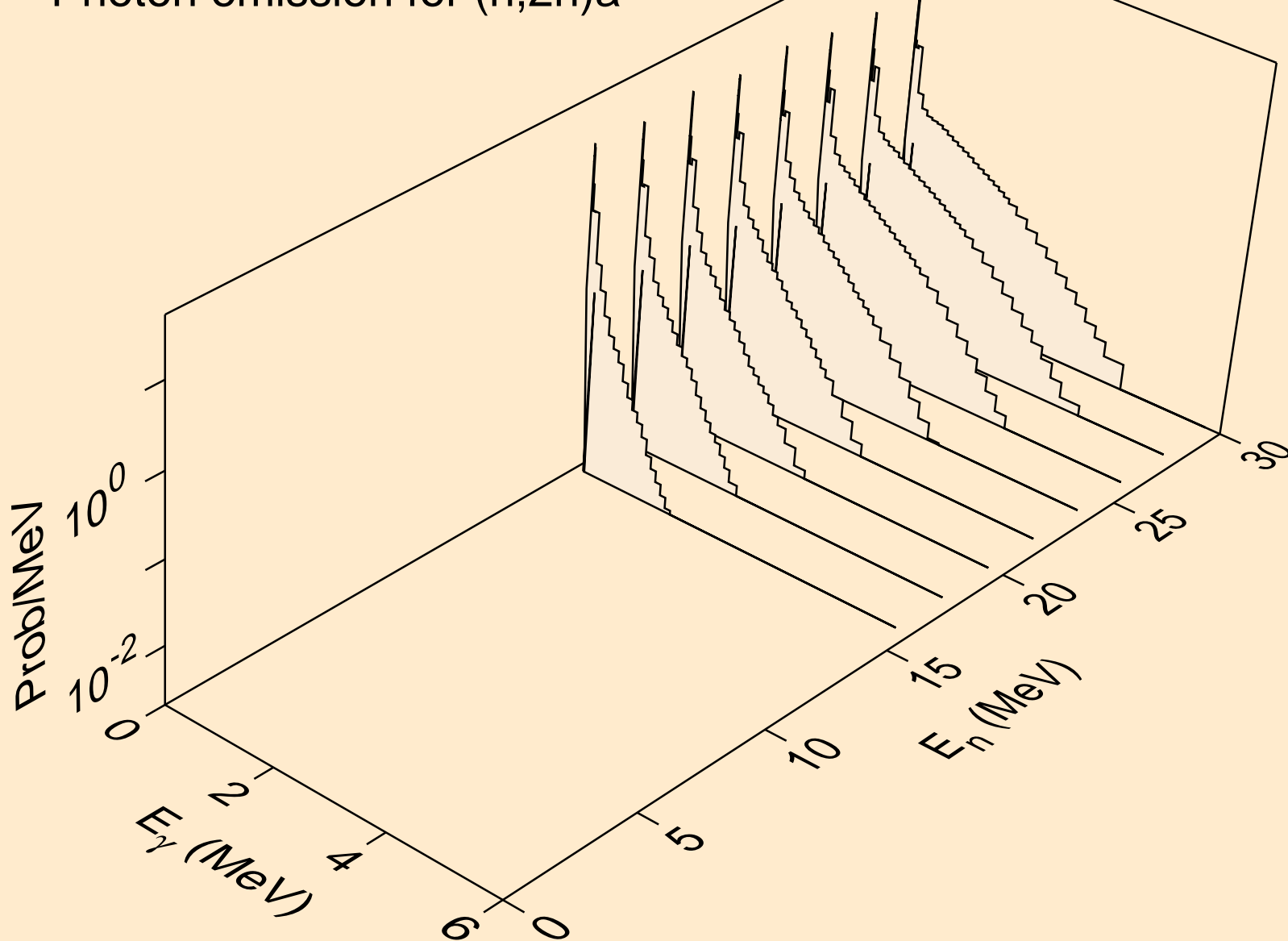
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Photon emission for (n,3n)



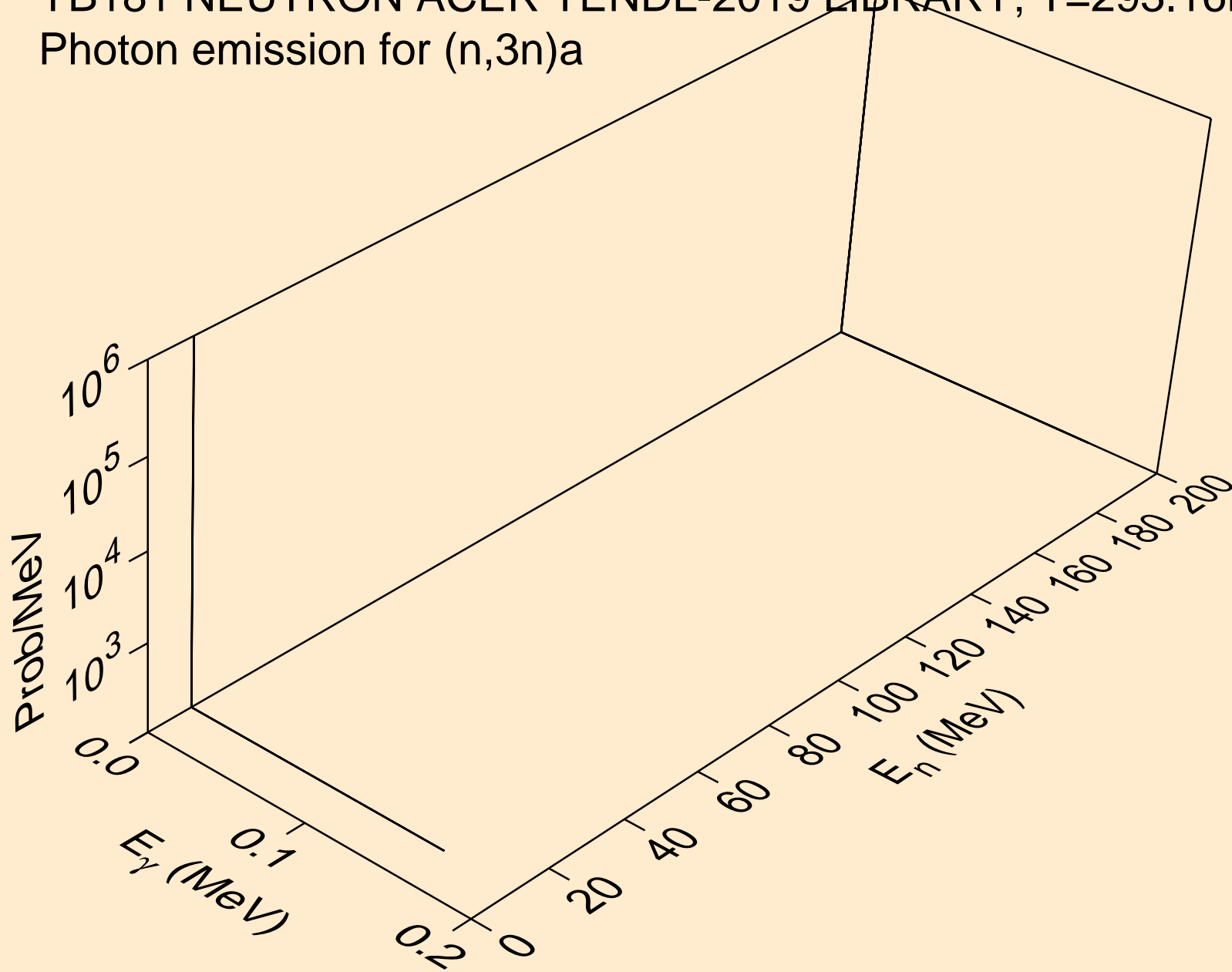
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Photon emission for (n,n\*)a



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

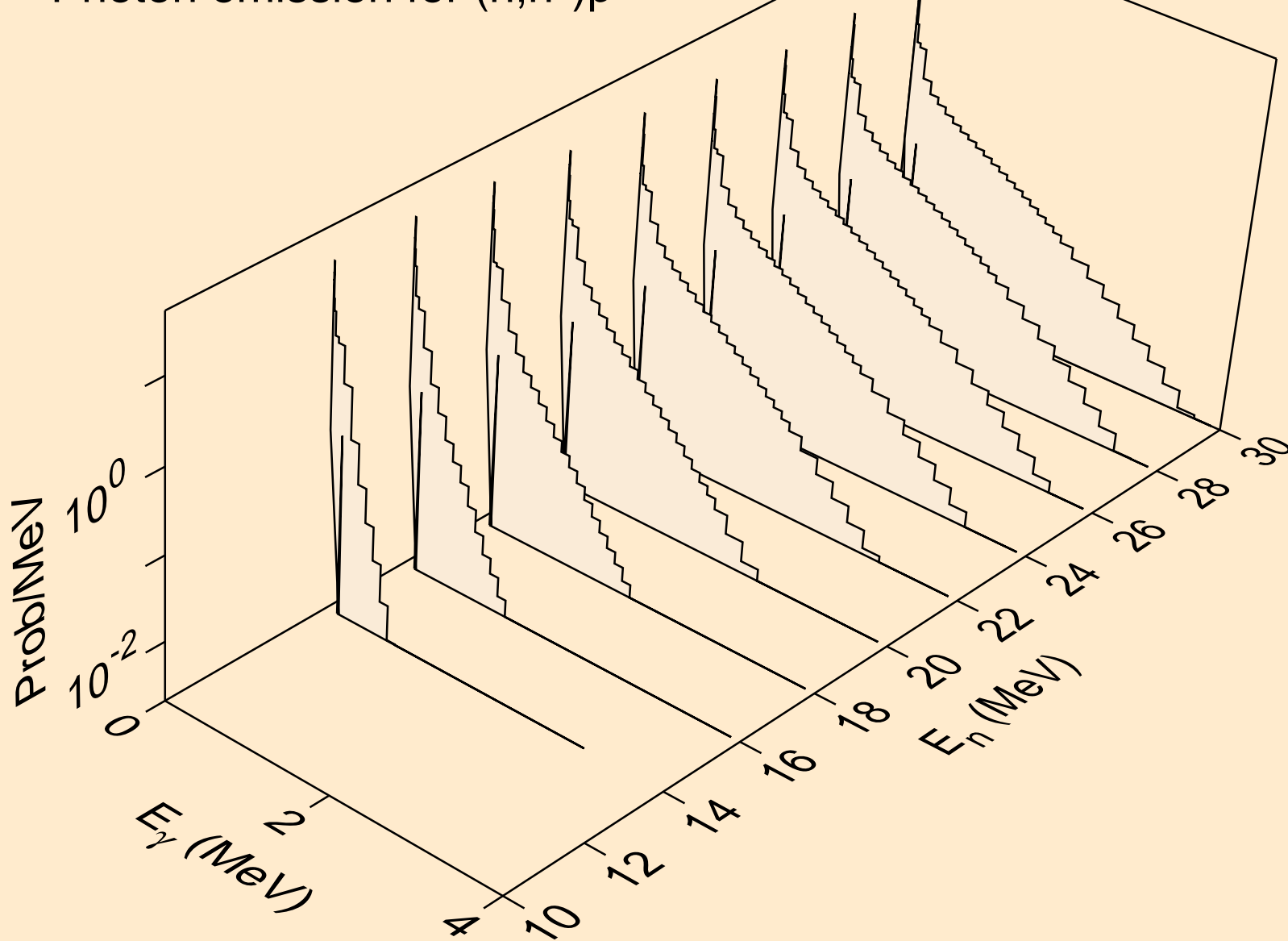


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

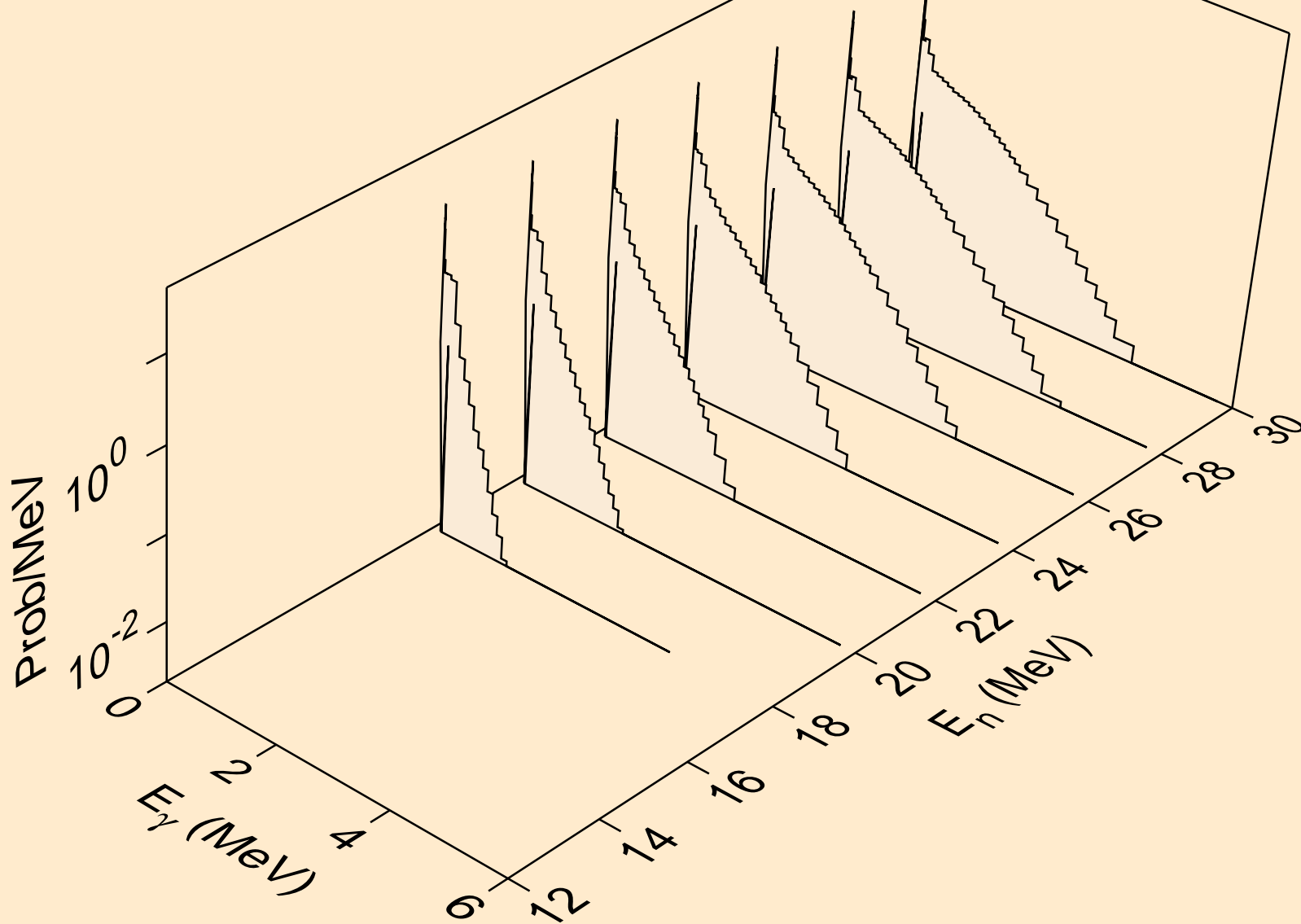




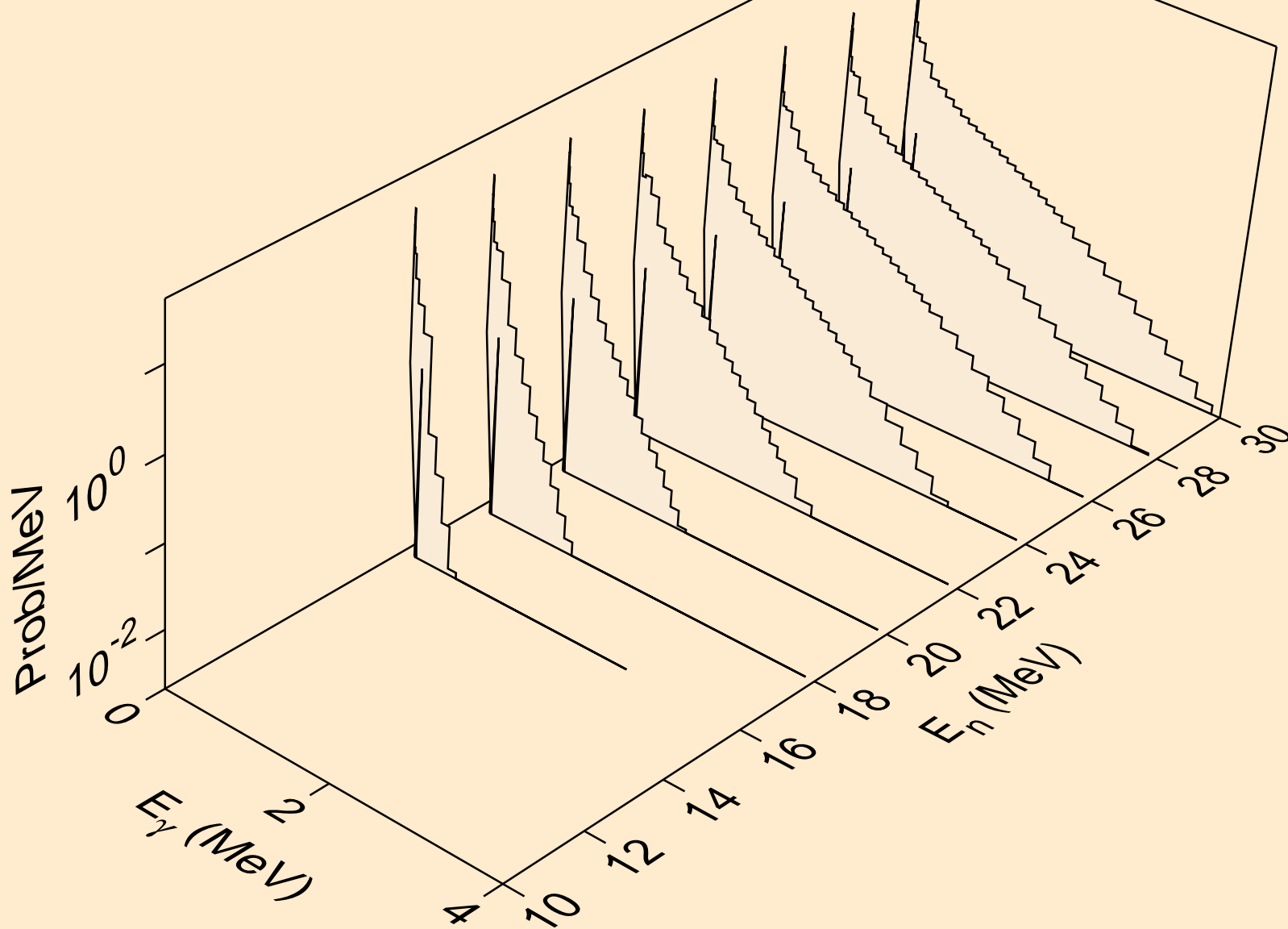
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Photon emission for (n,n\*)p



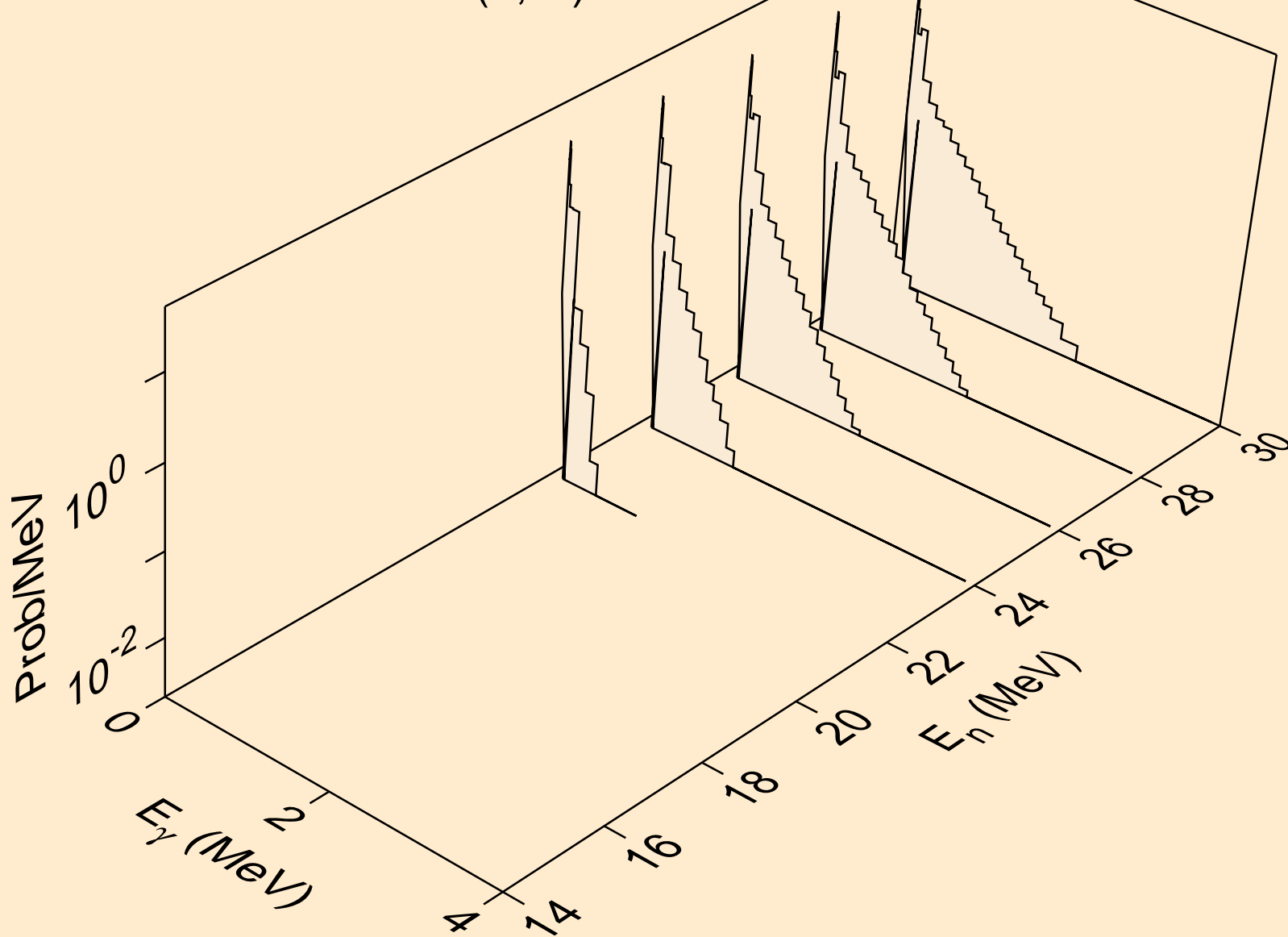
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Photon emission for (n,n\*)d



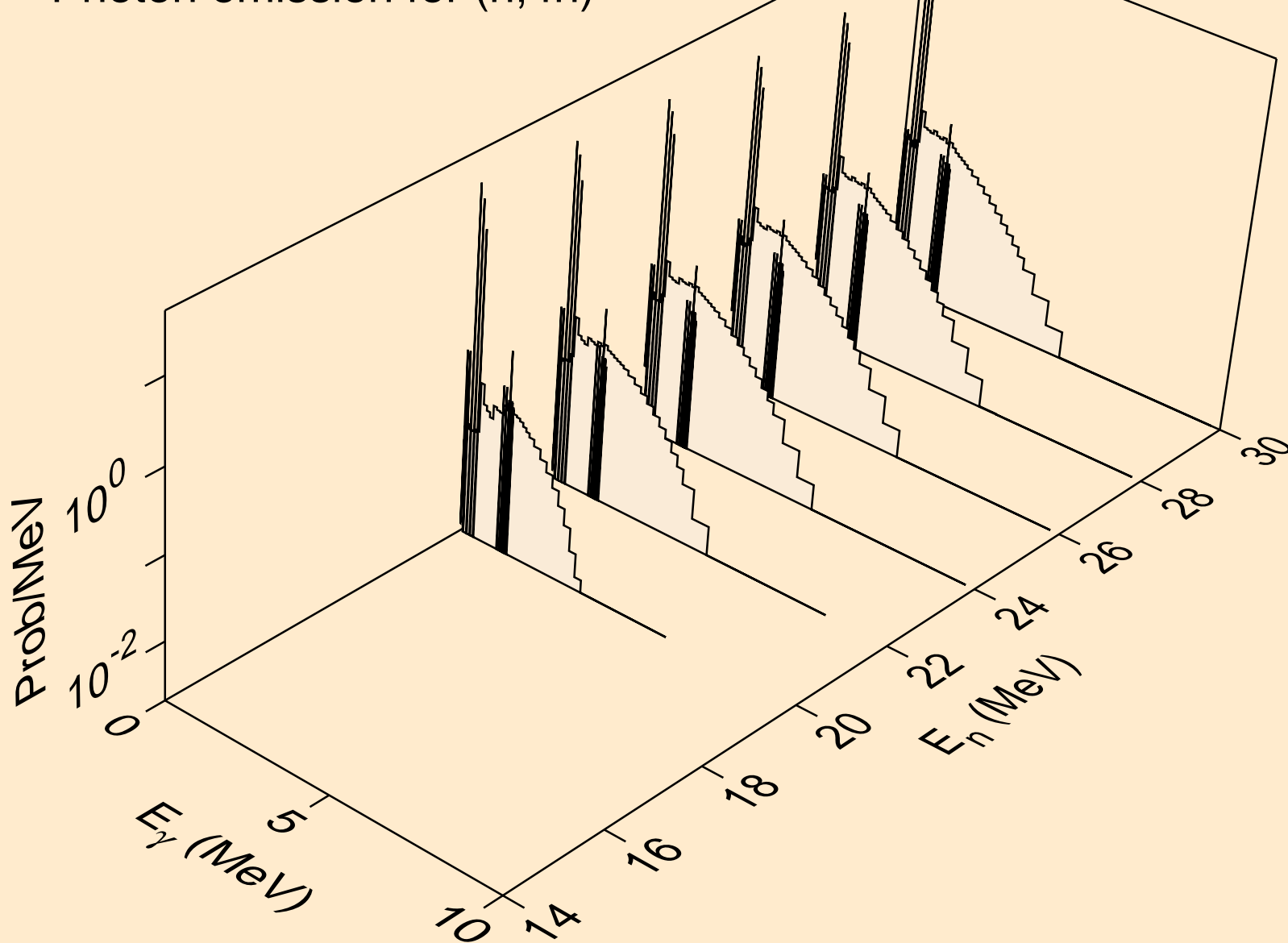
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Photon emission for (n,n\*)t



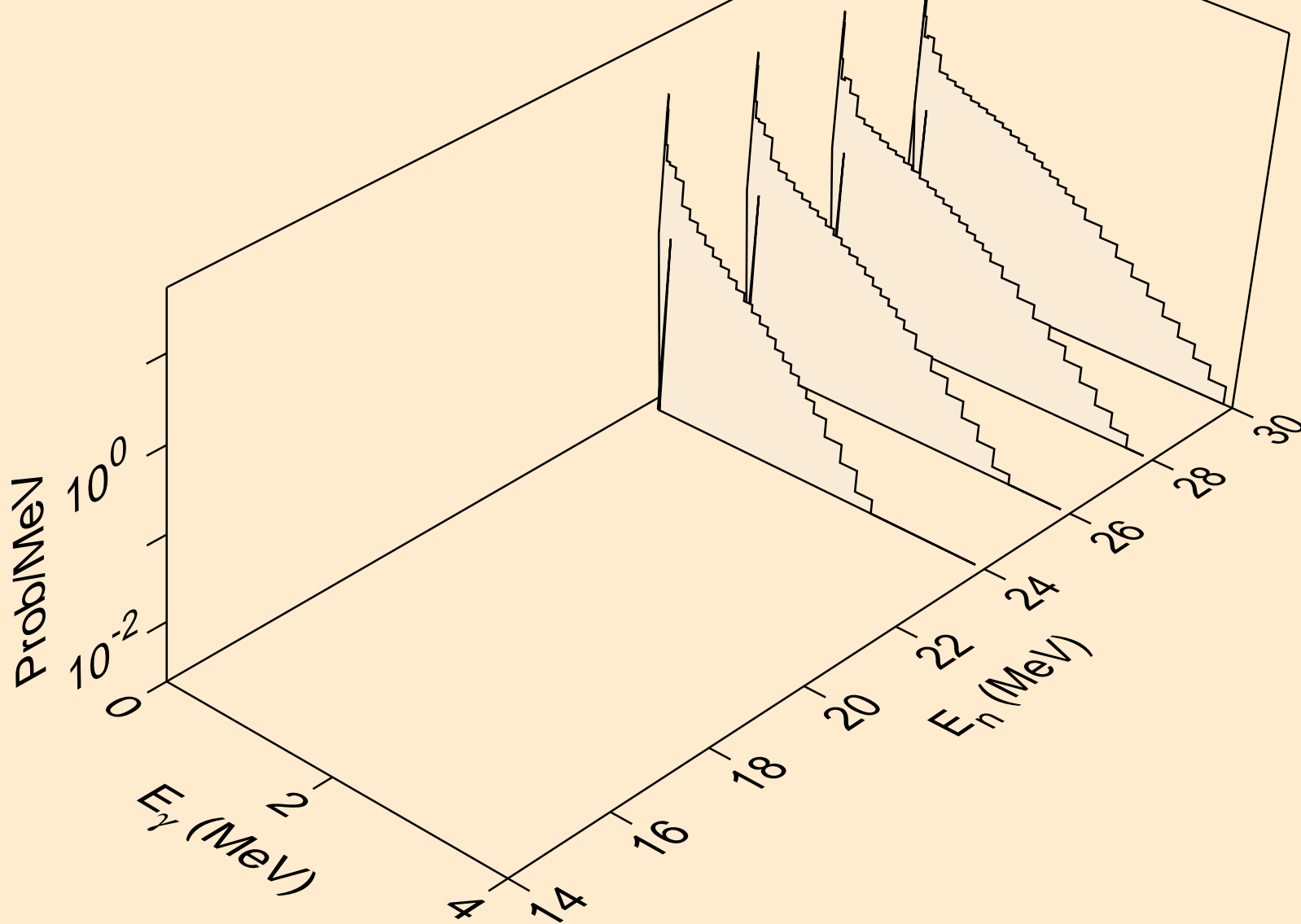
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Photon emission for (n,n\*)he3



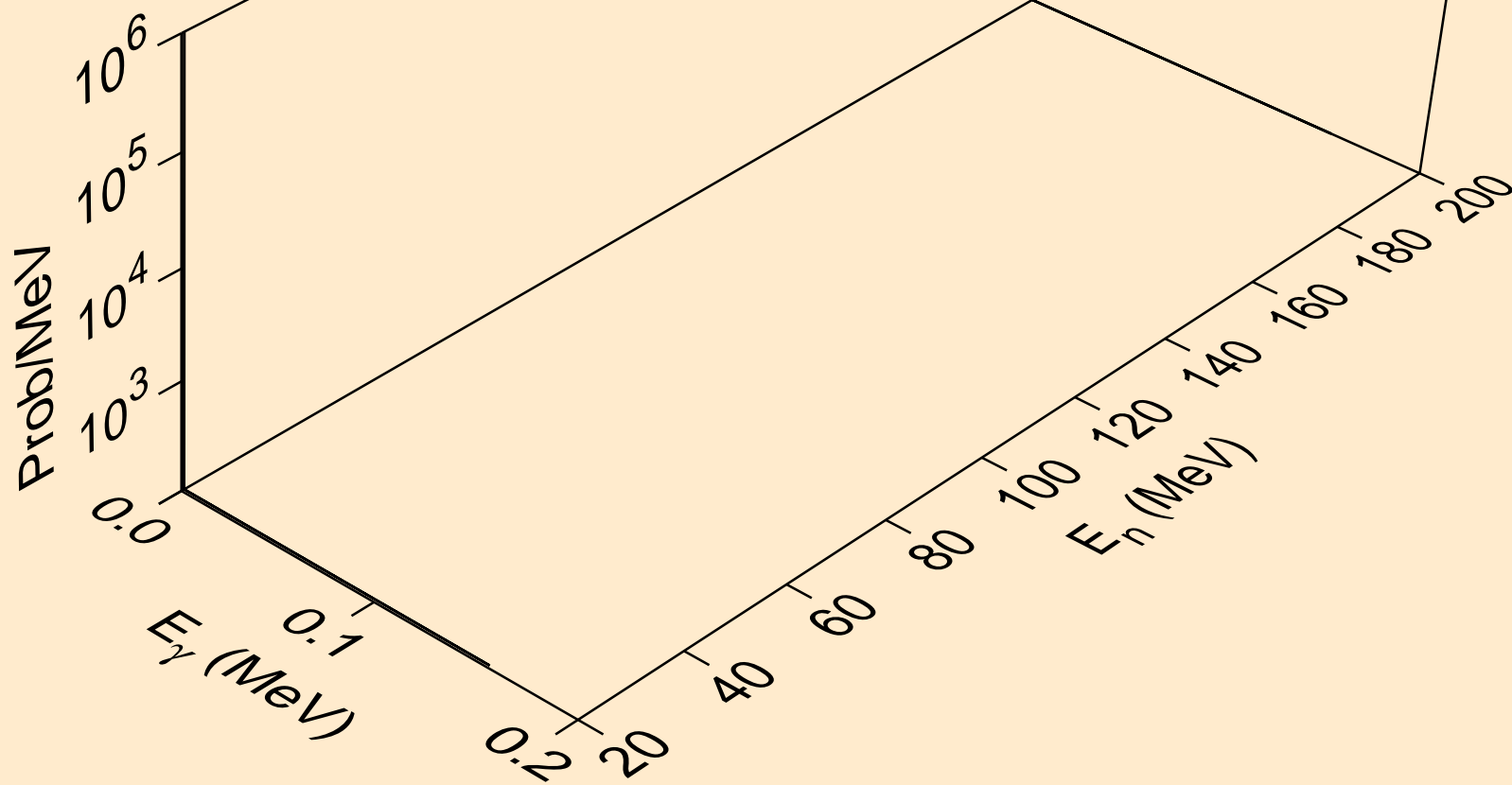
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Photon emission for (n,4n)



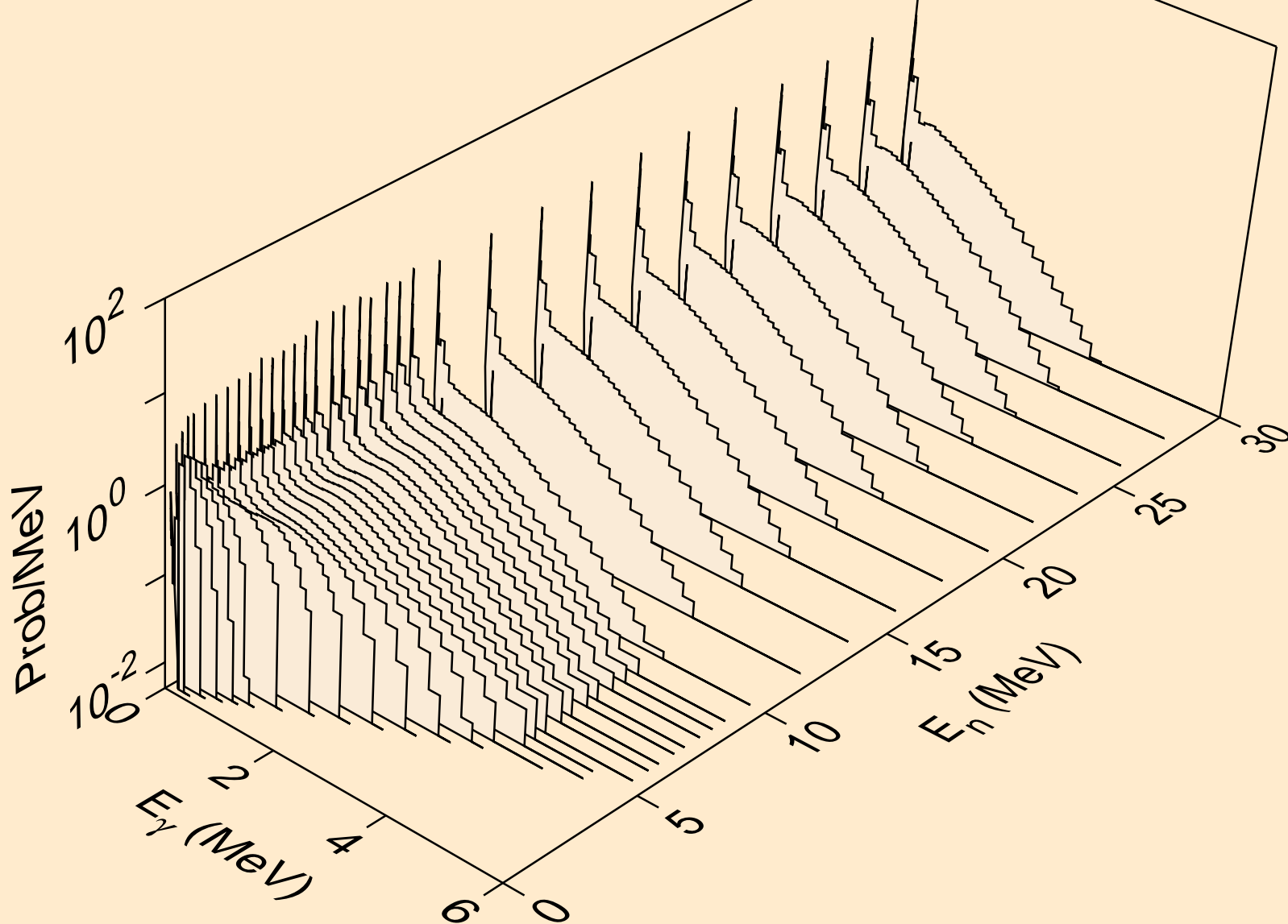
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

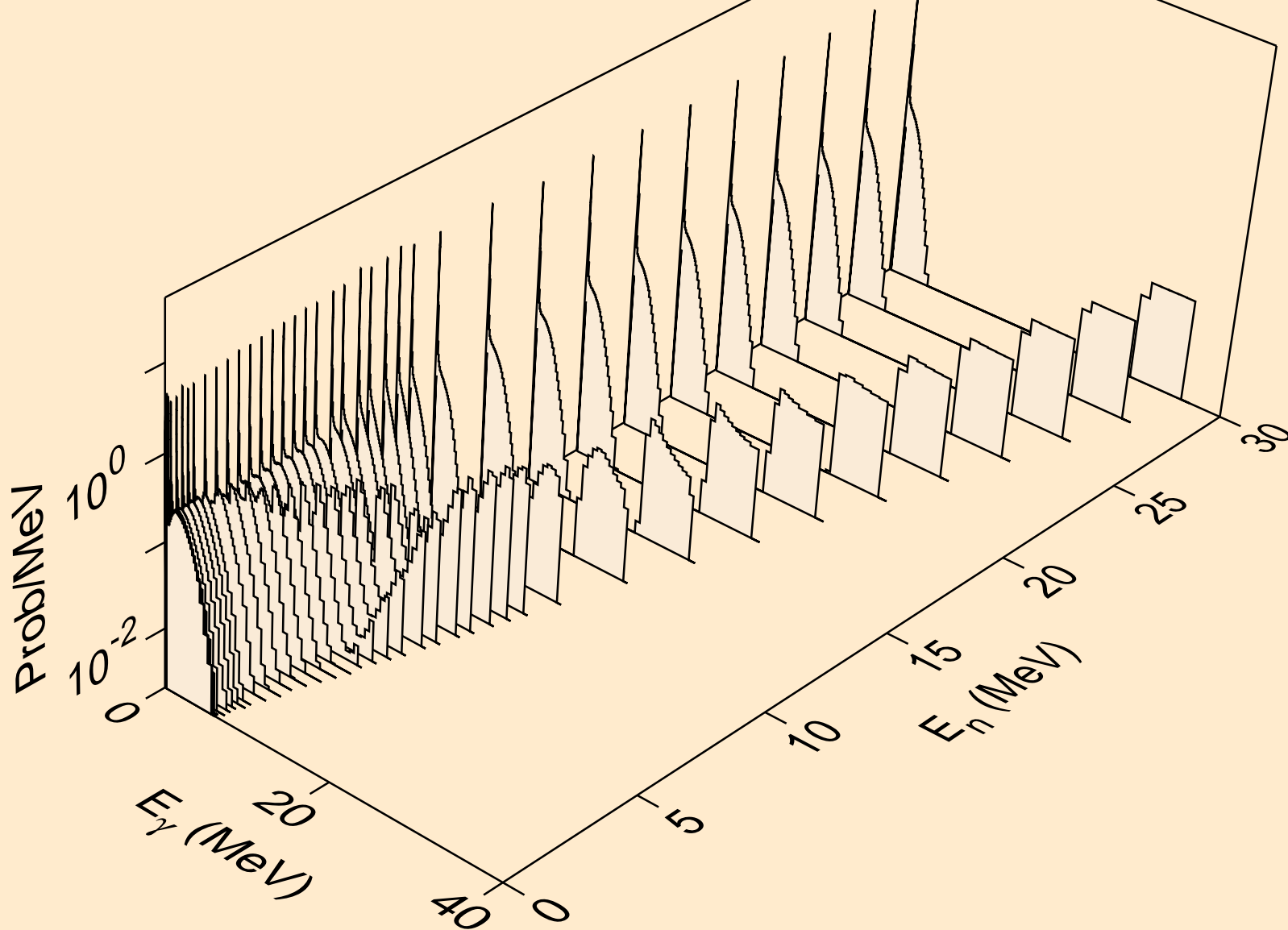


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

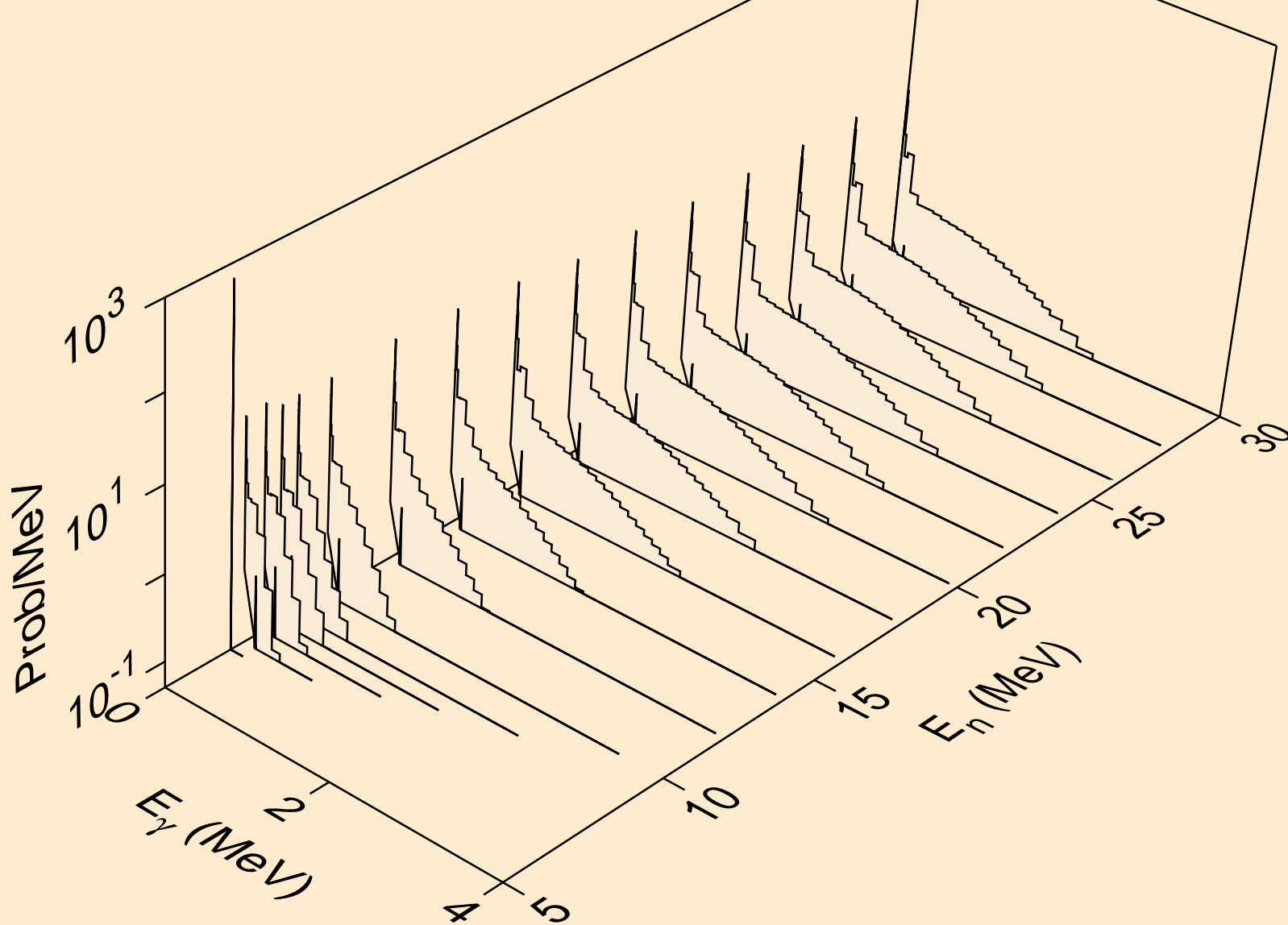




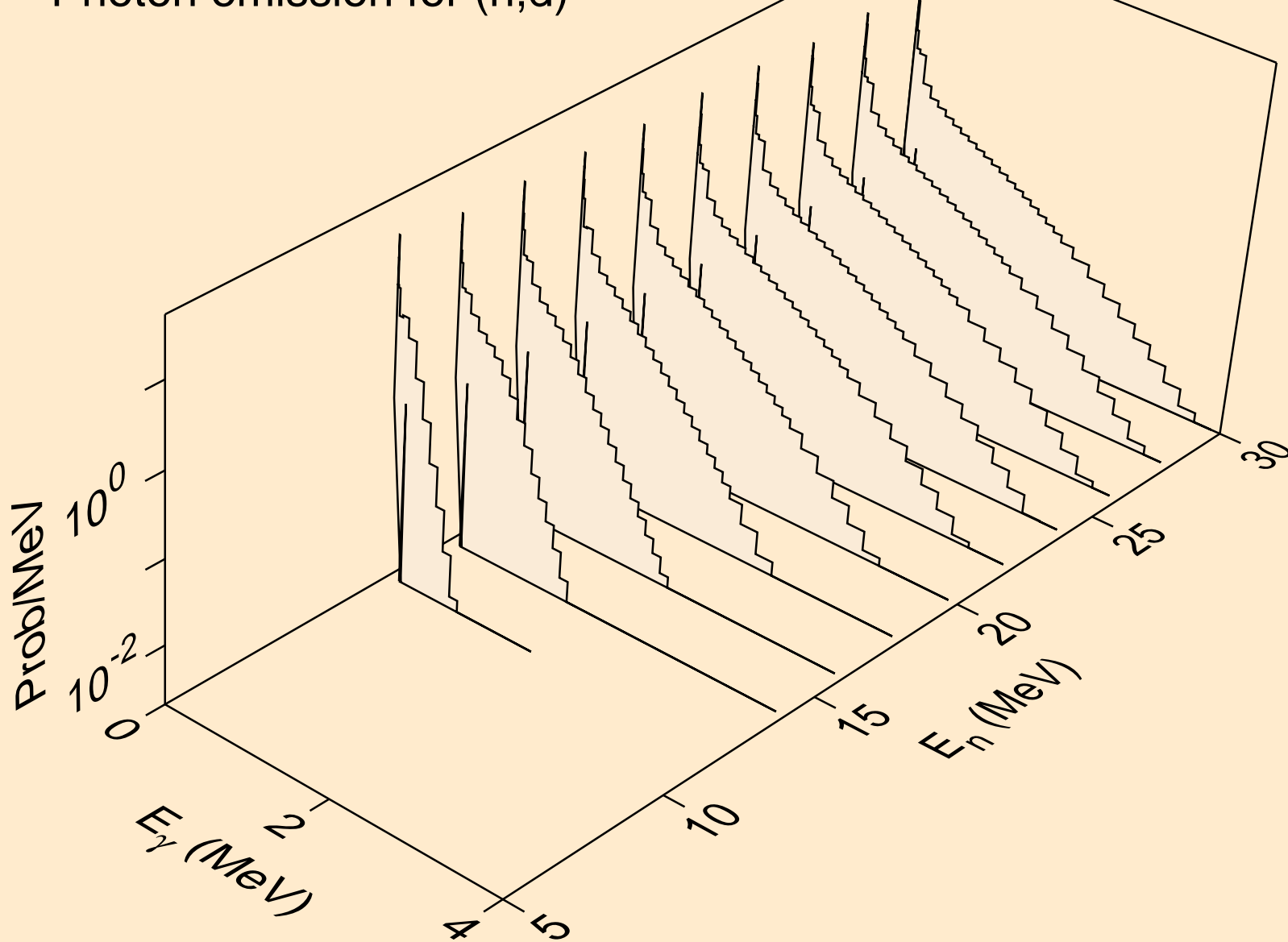
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Photon emission for (n,gma)



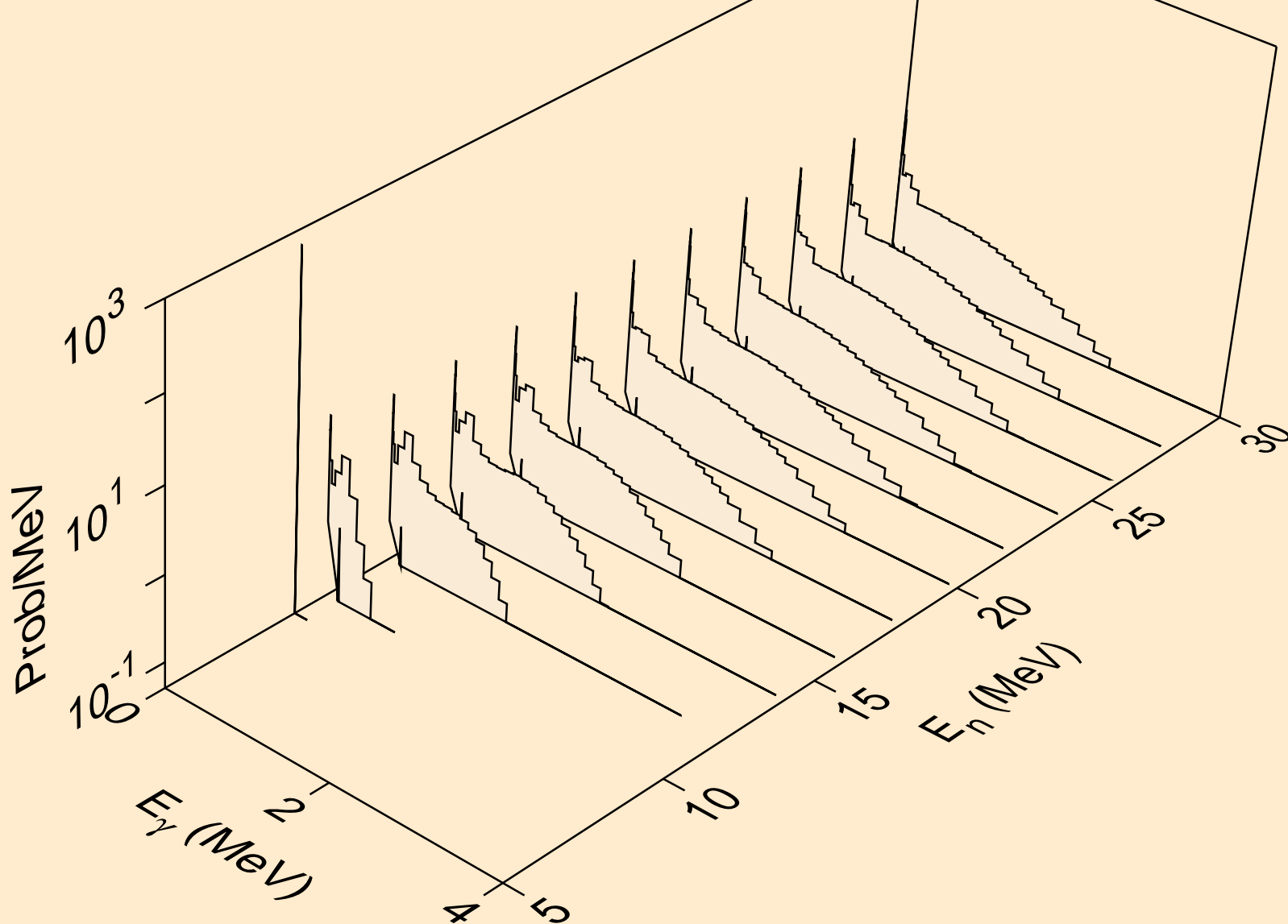
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



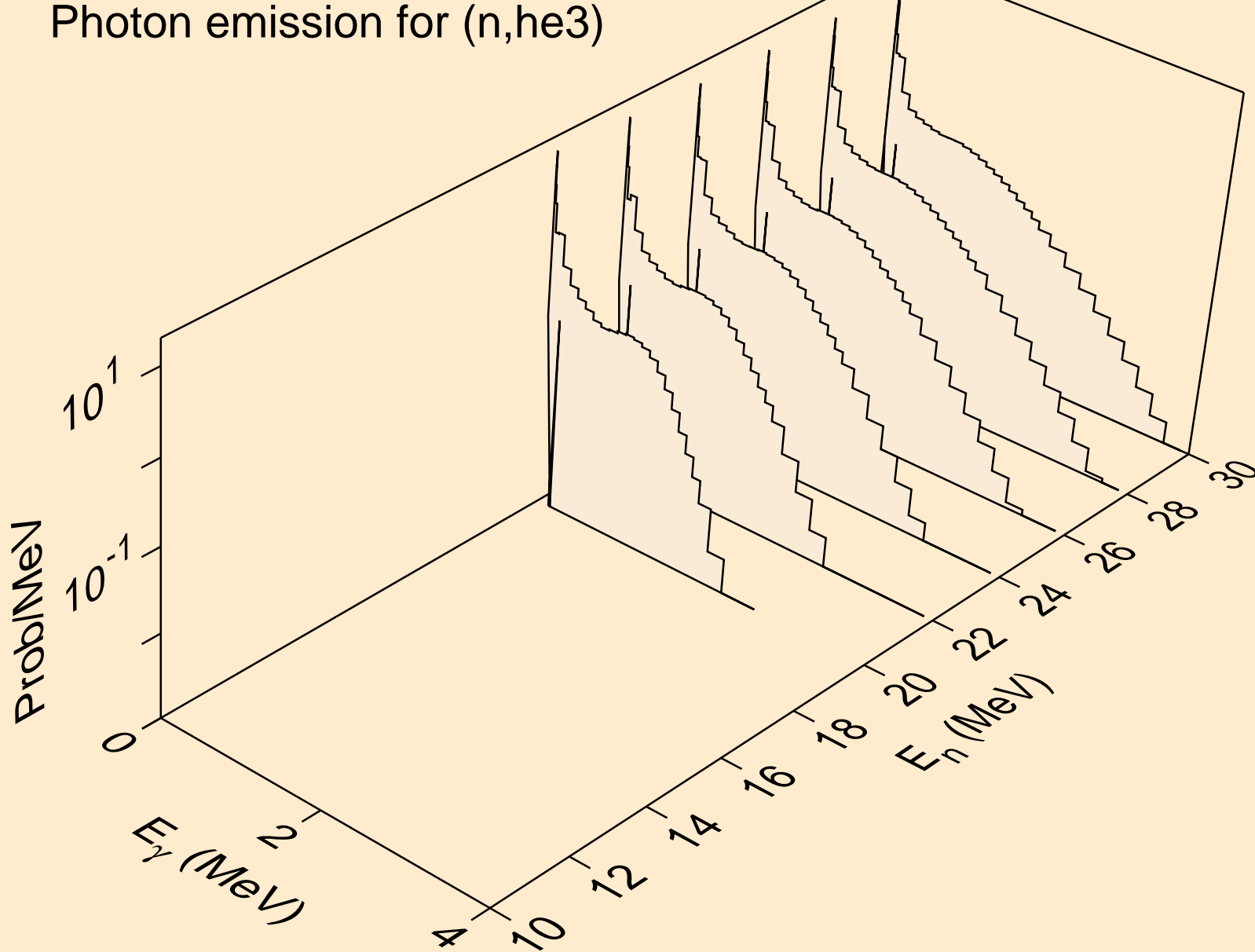
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Photon emission for (n,d)



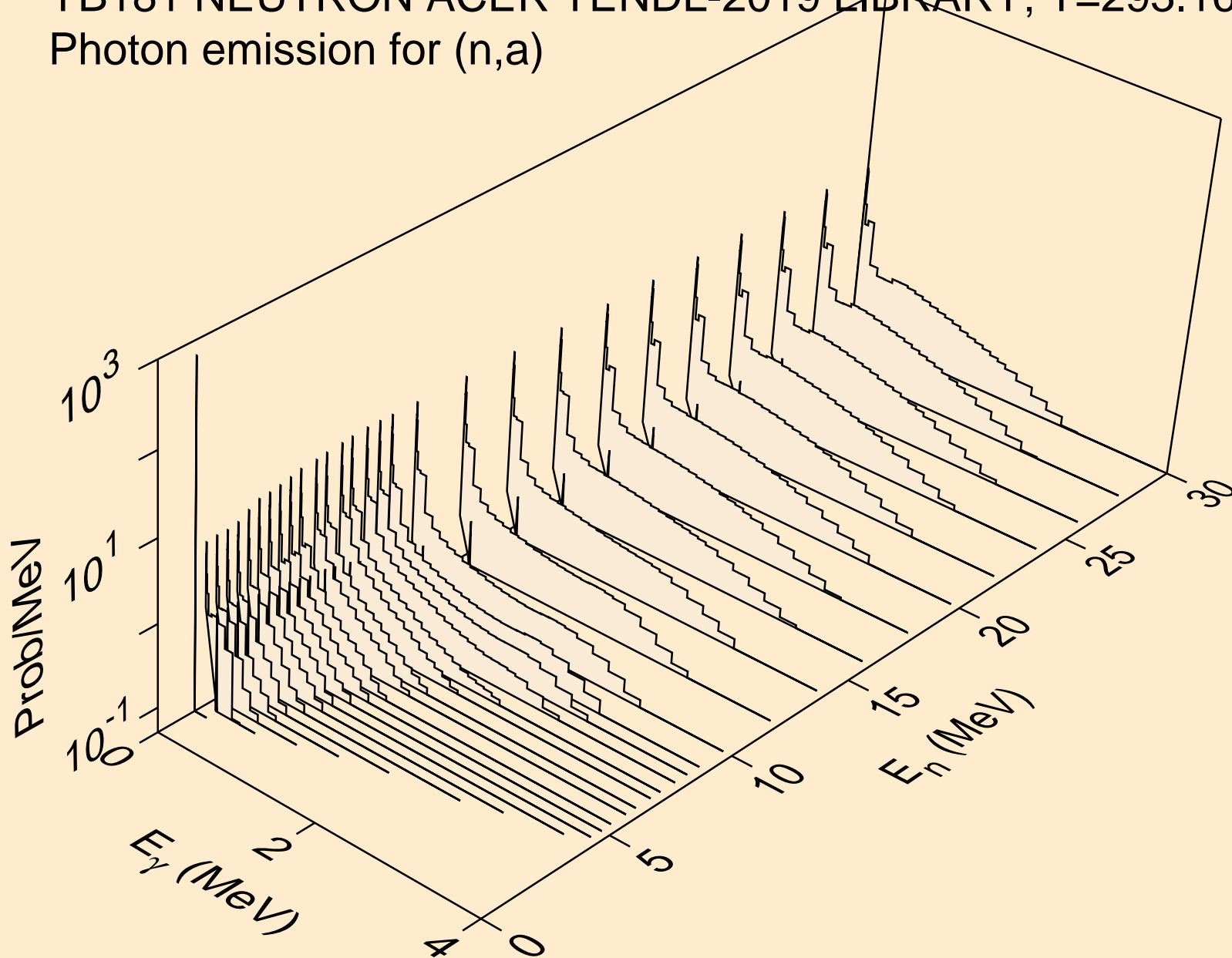
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Photon emission for (n,t)



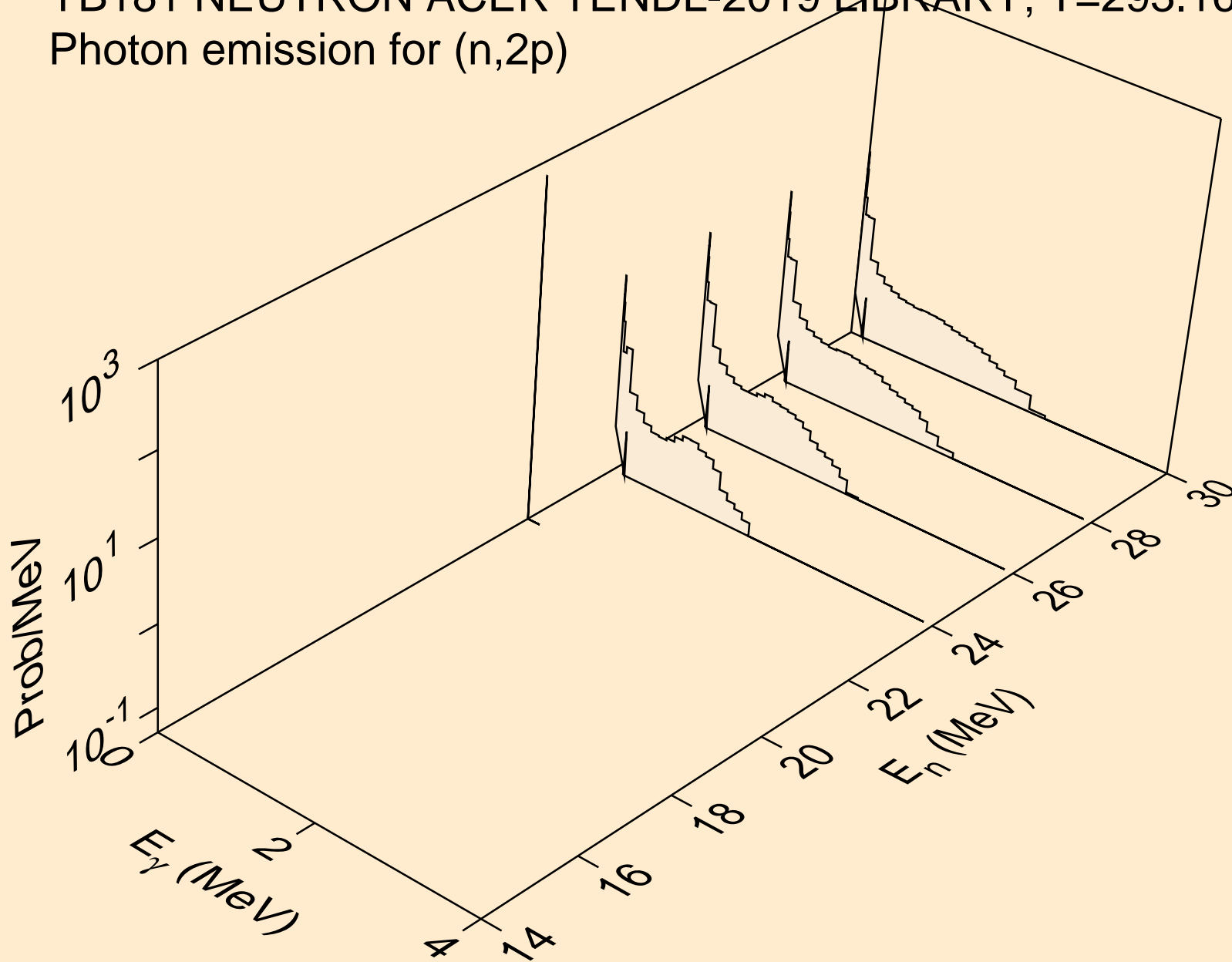
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



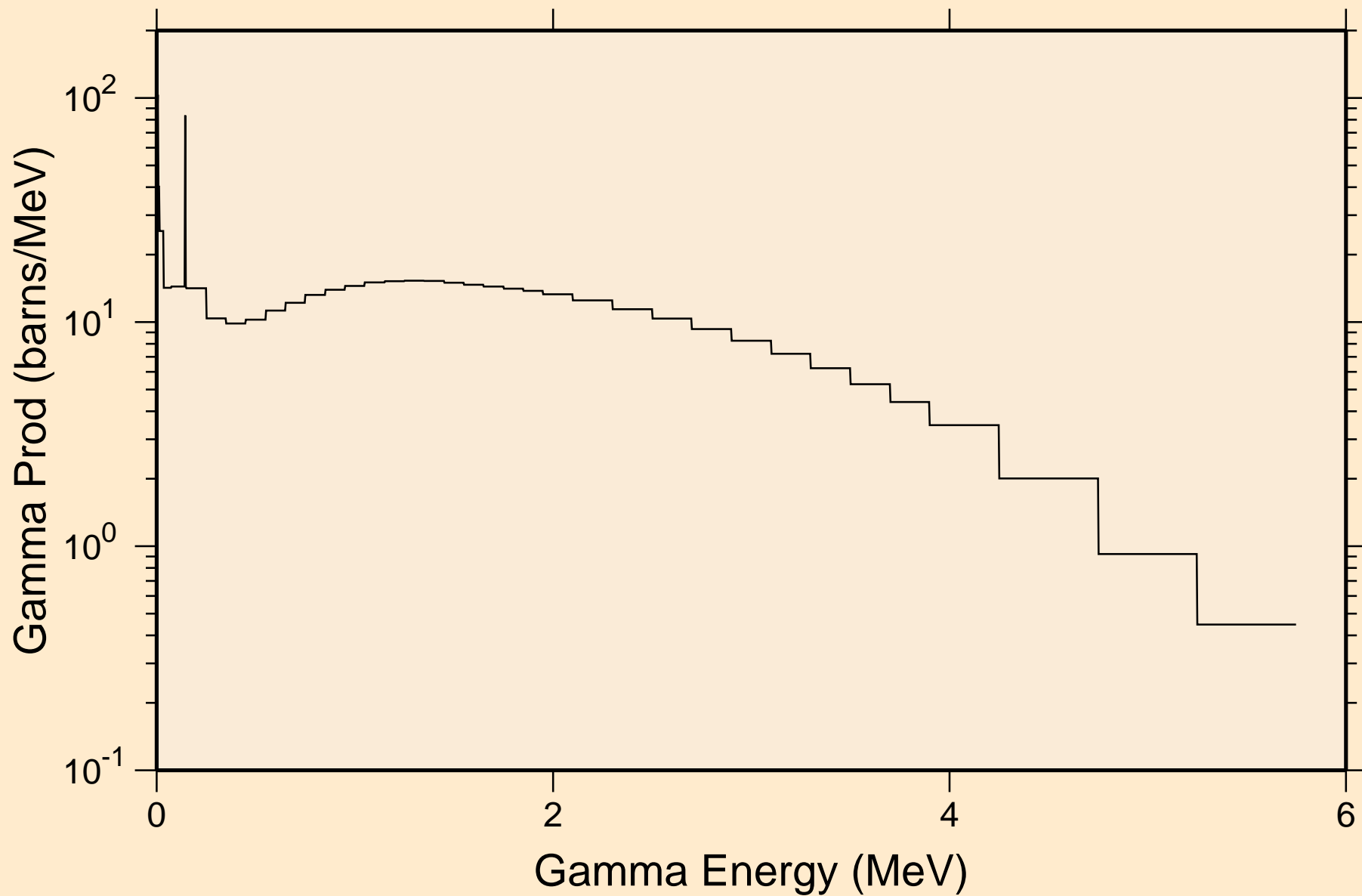
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

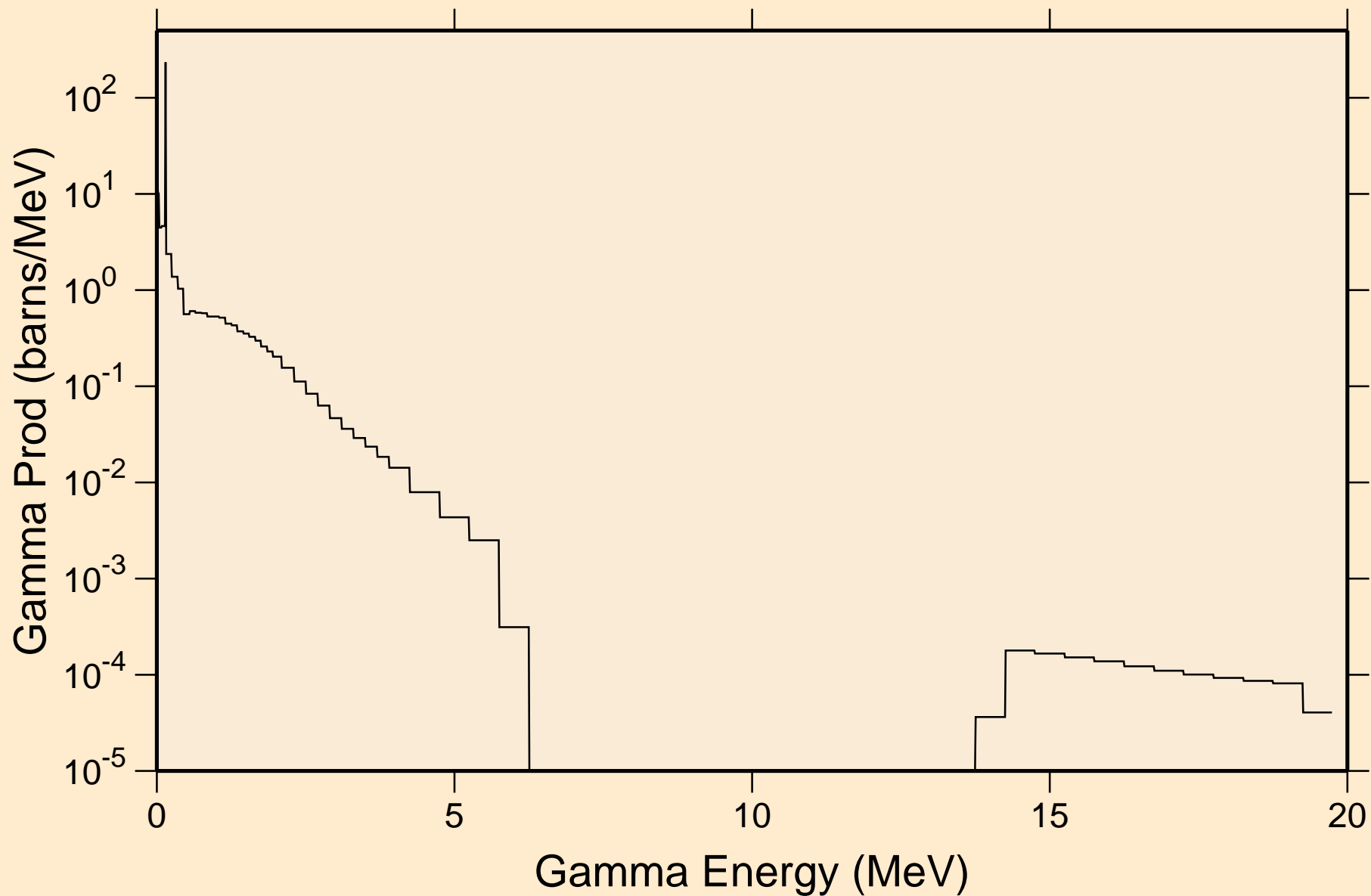


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



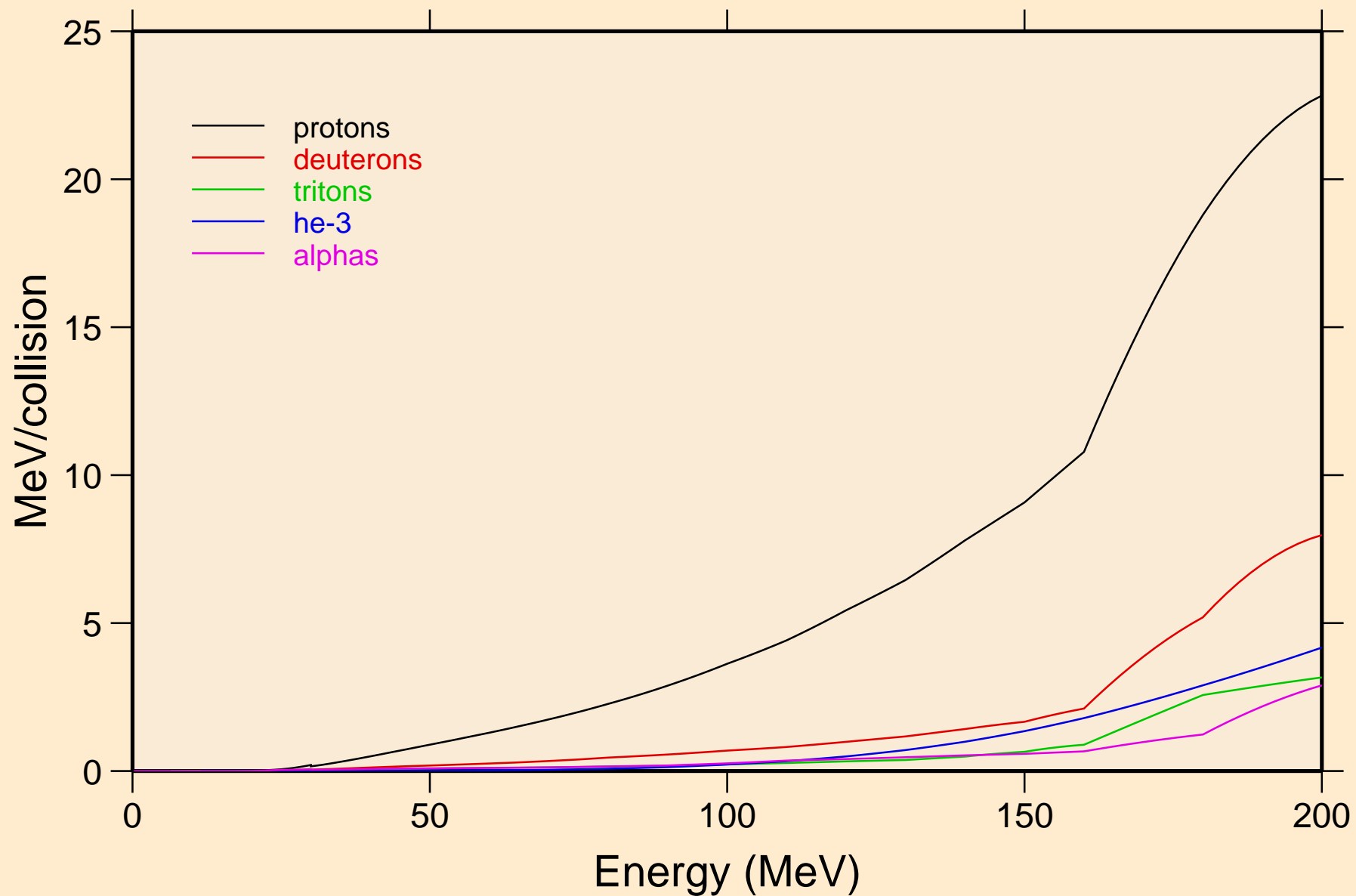


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

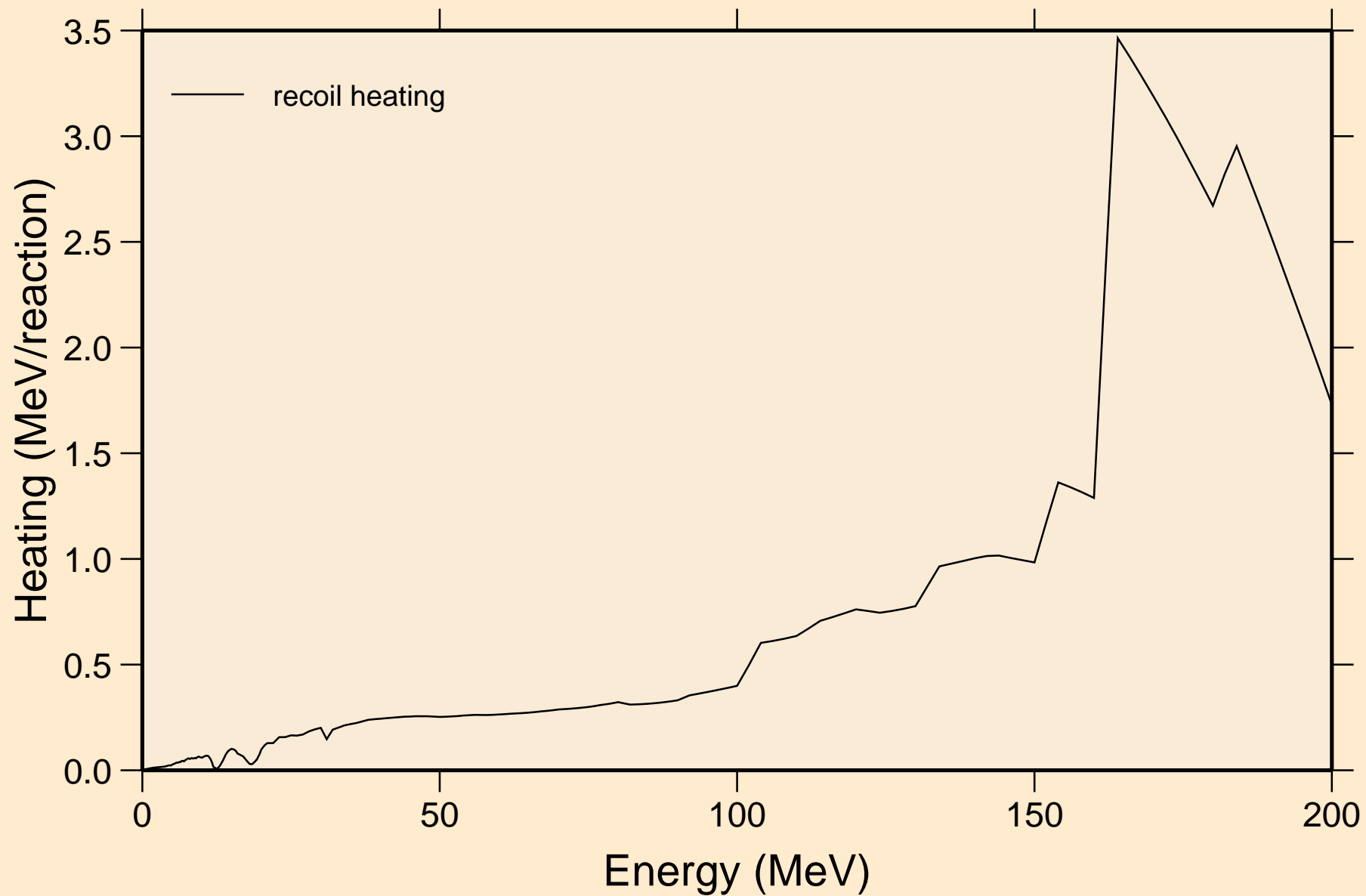


# YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

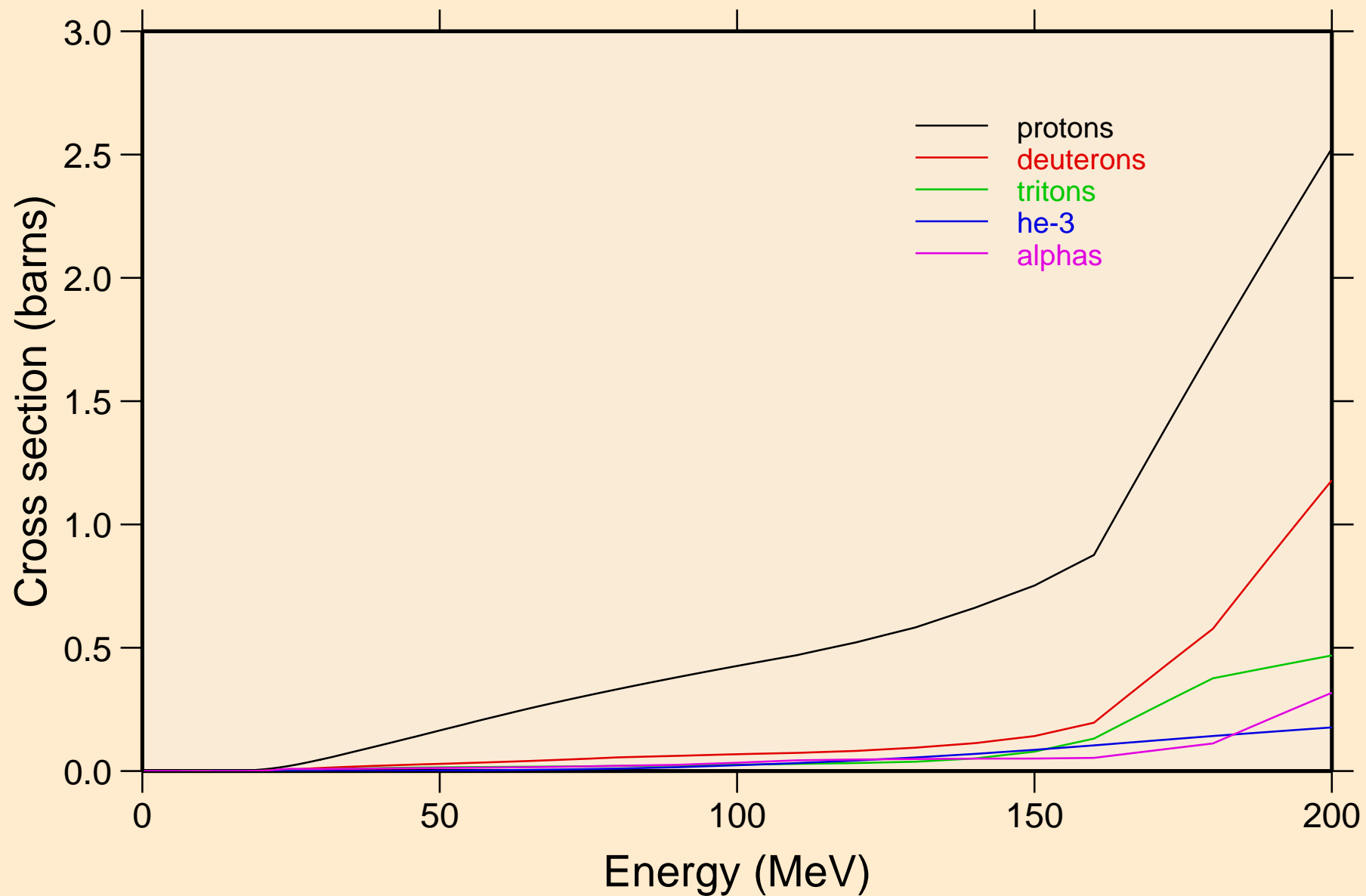
## Particle heating contributions



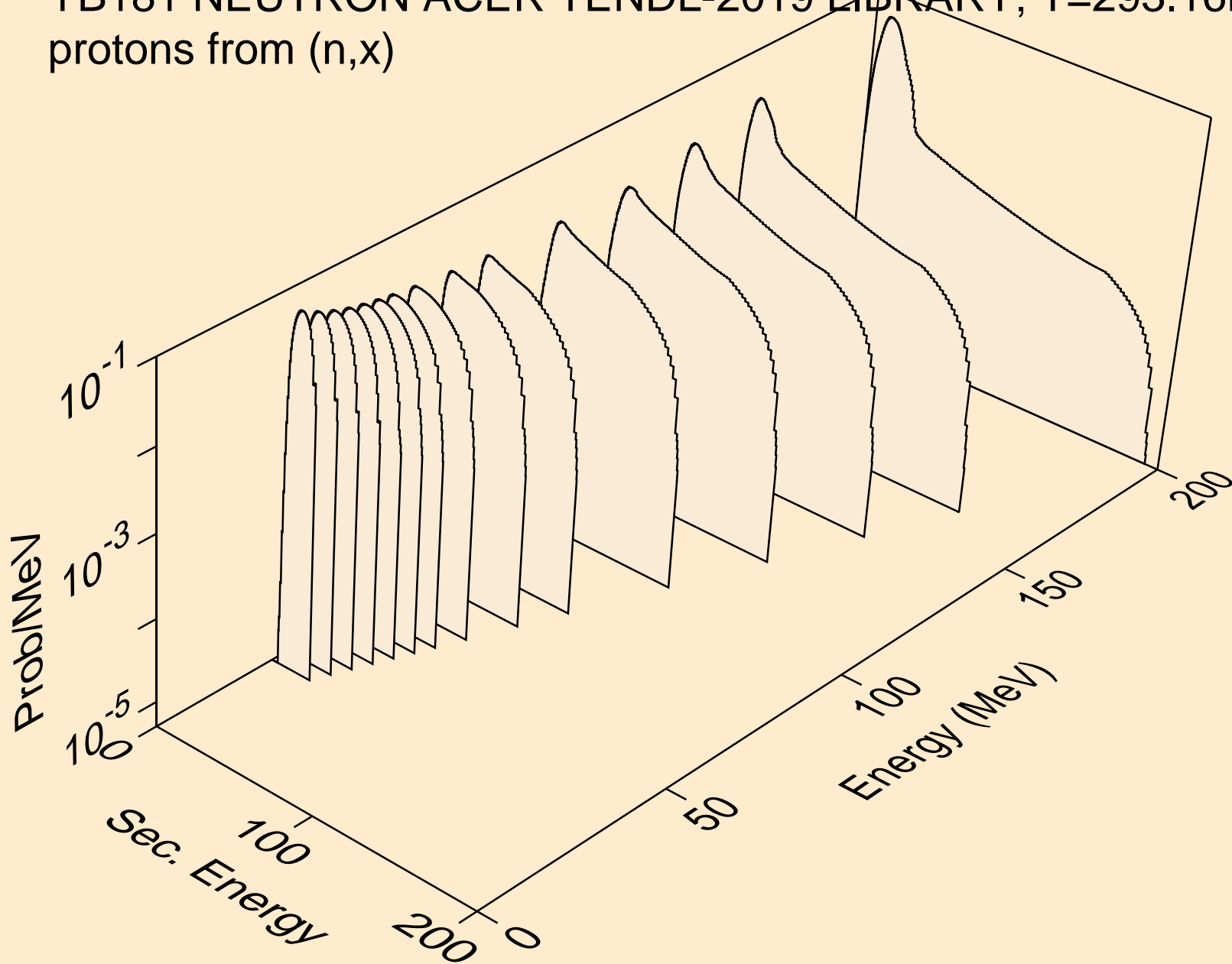
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



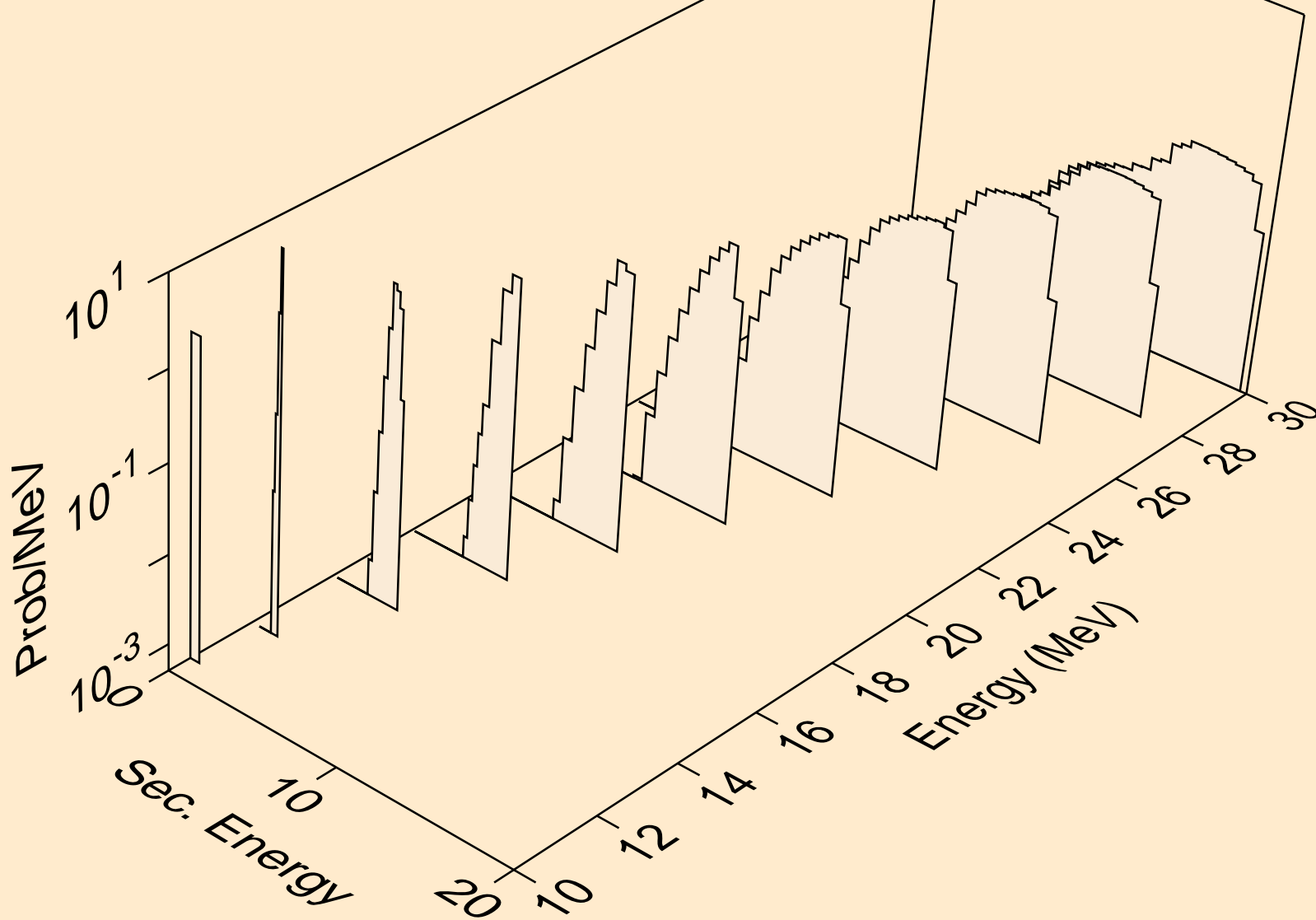
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



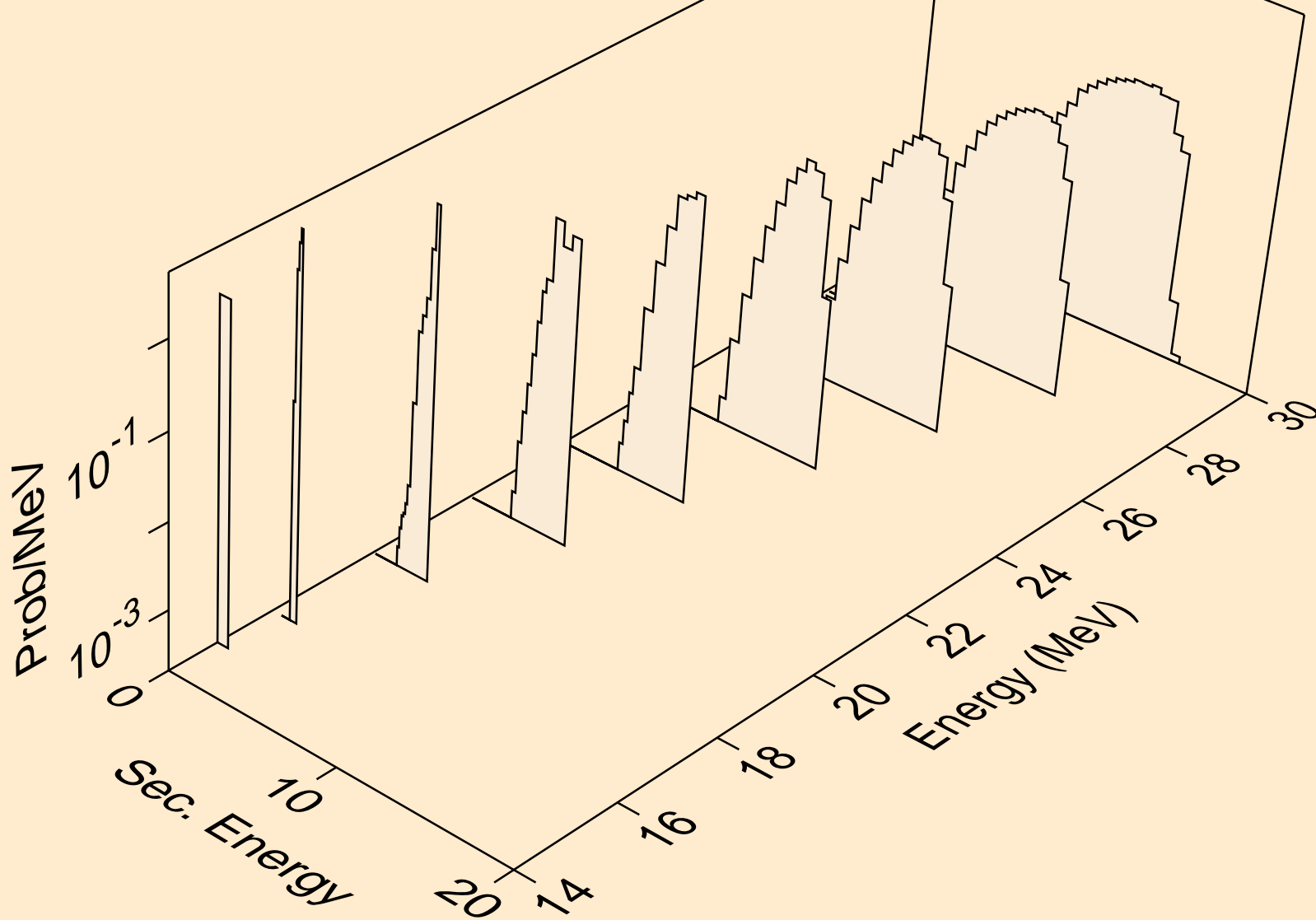
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



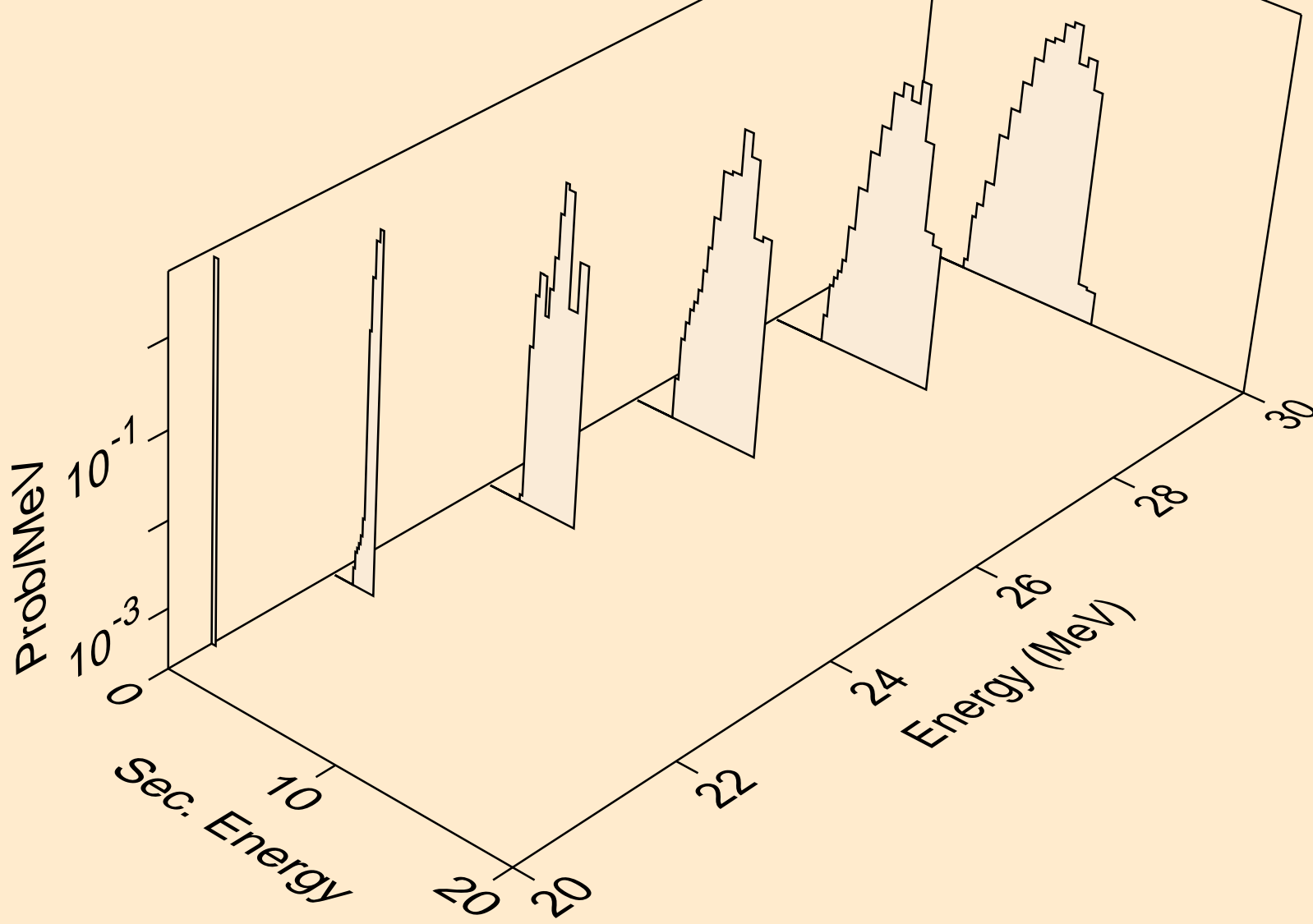
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

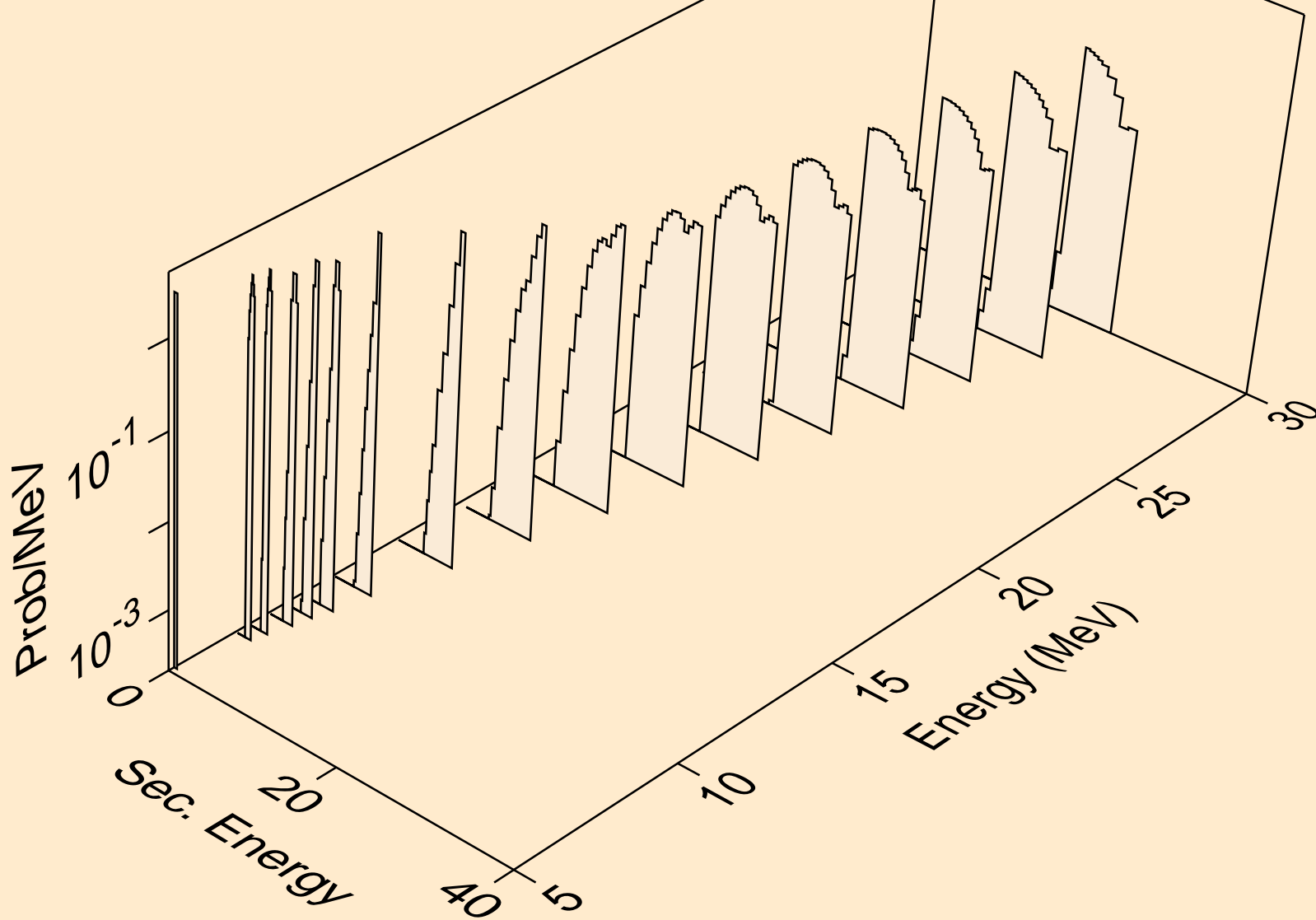


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)

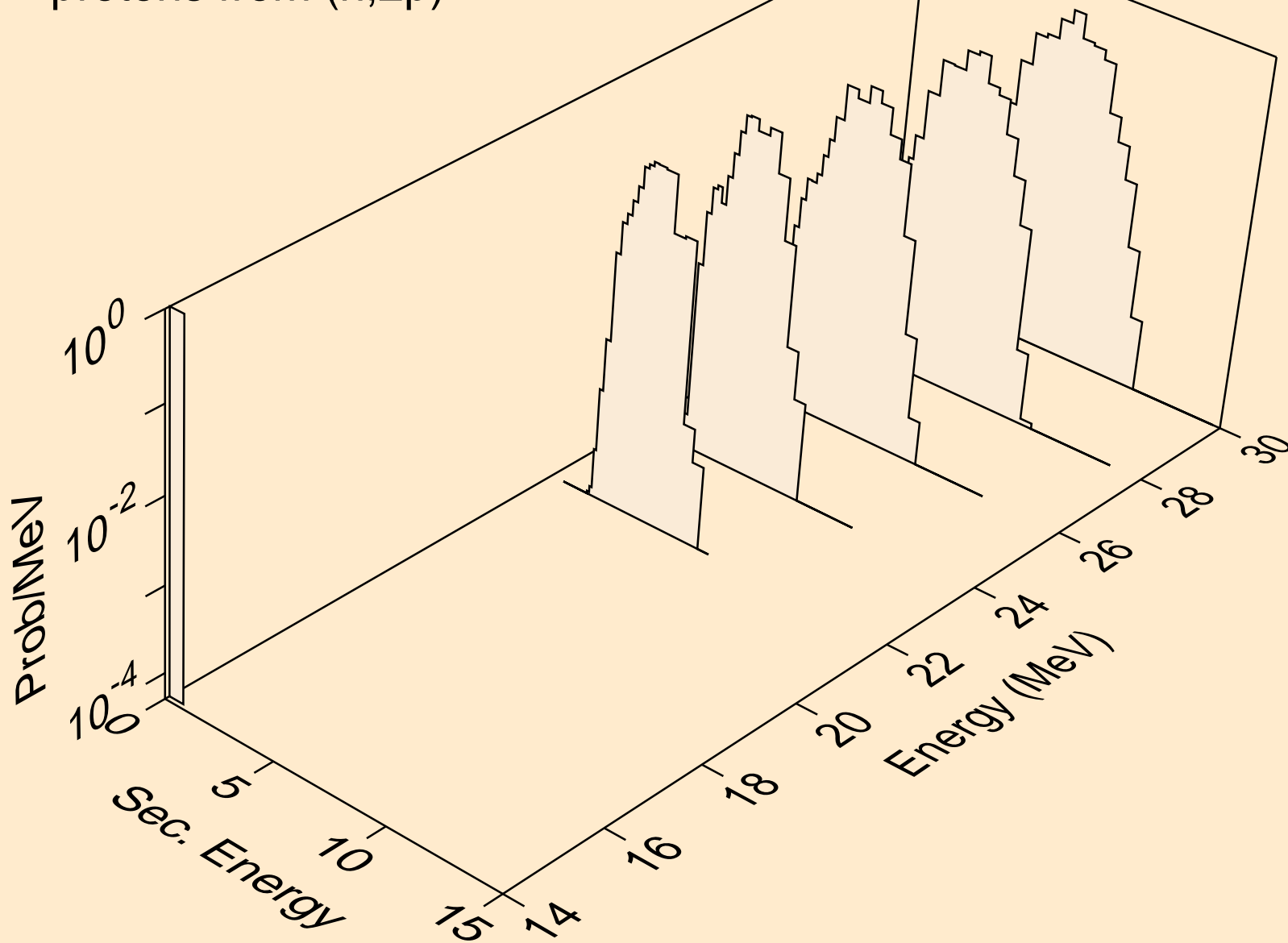




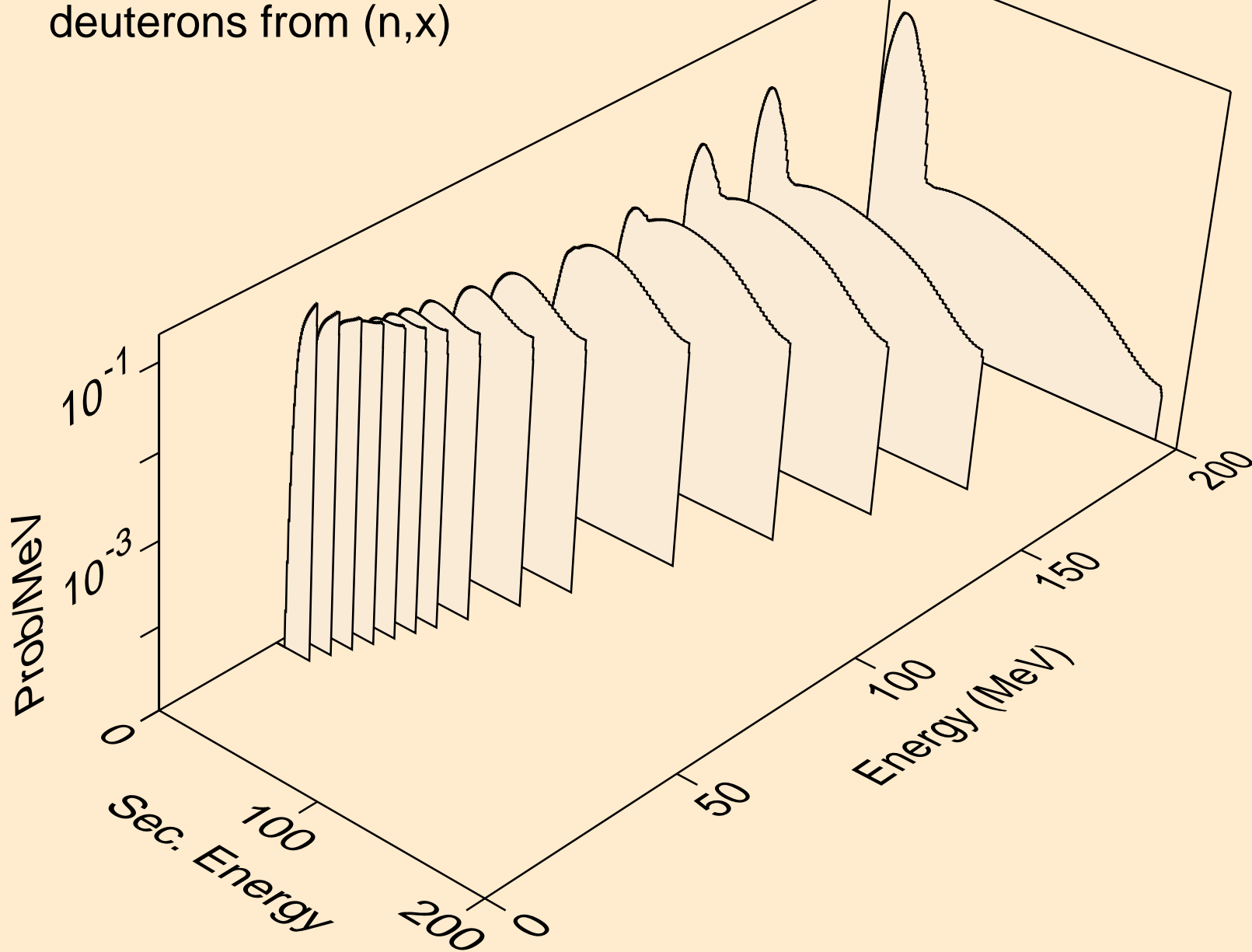
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



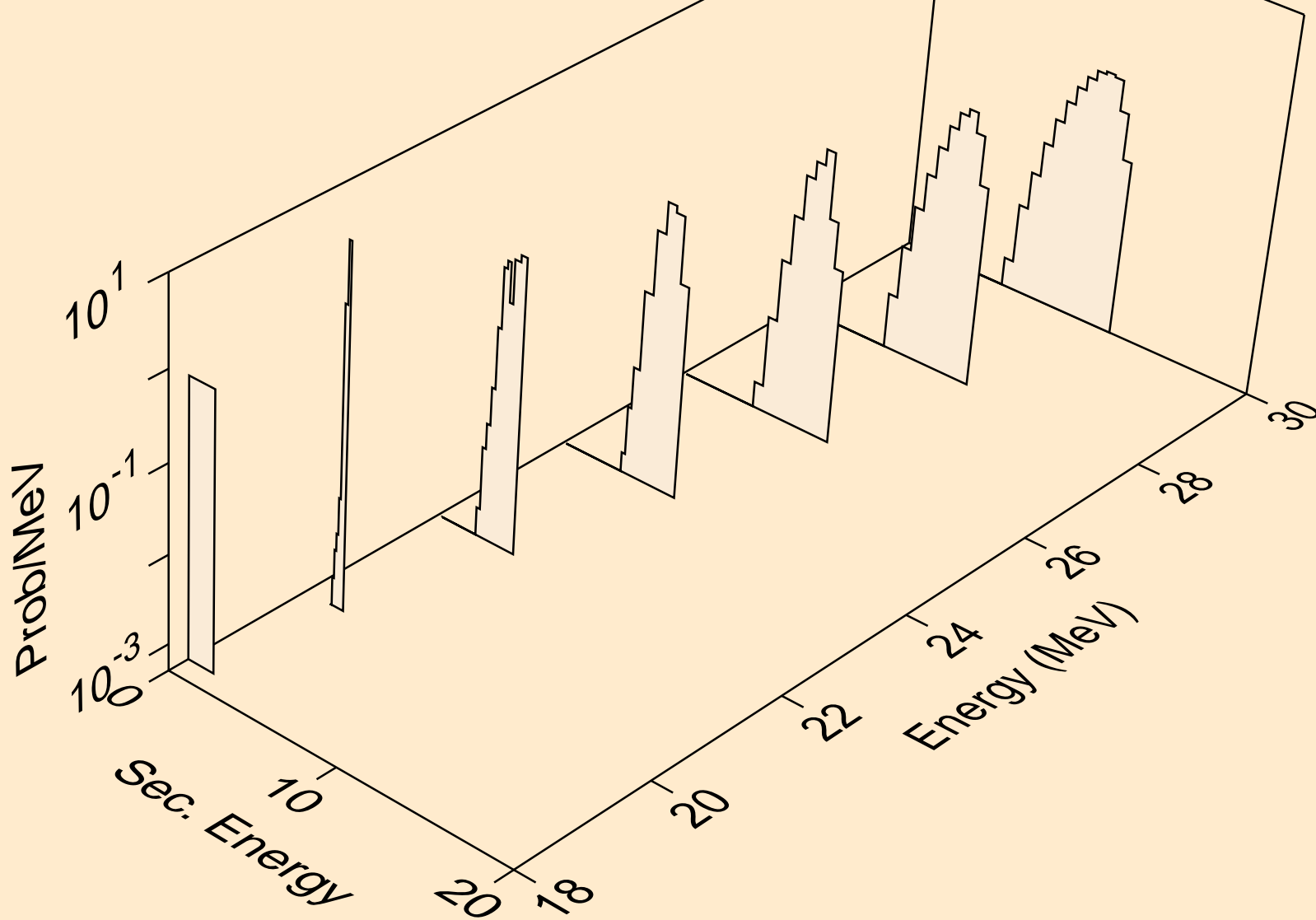
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



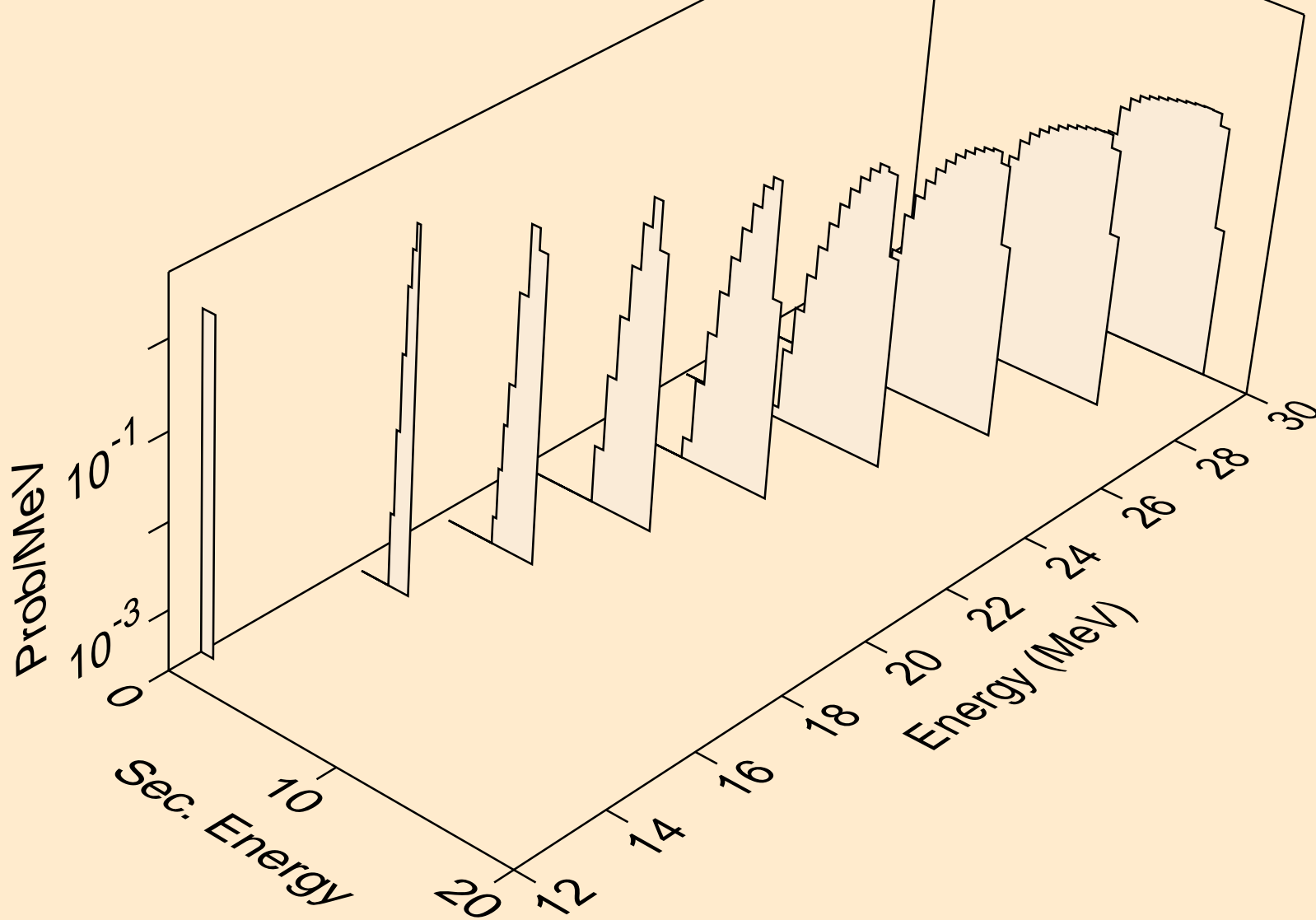
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



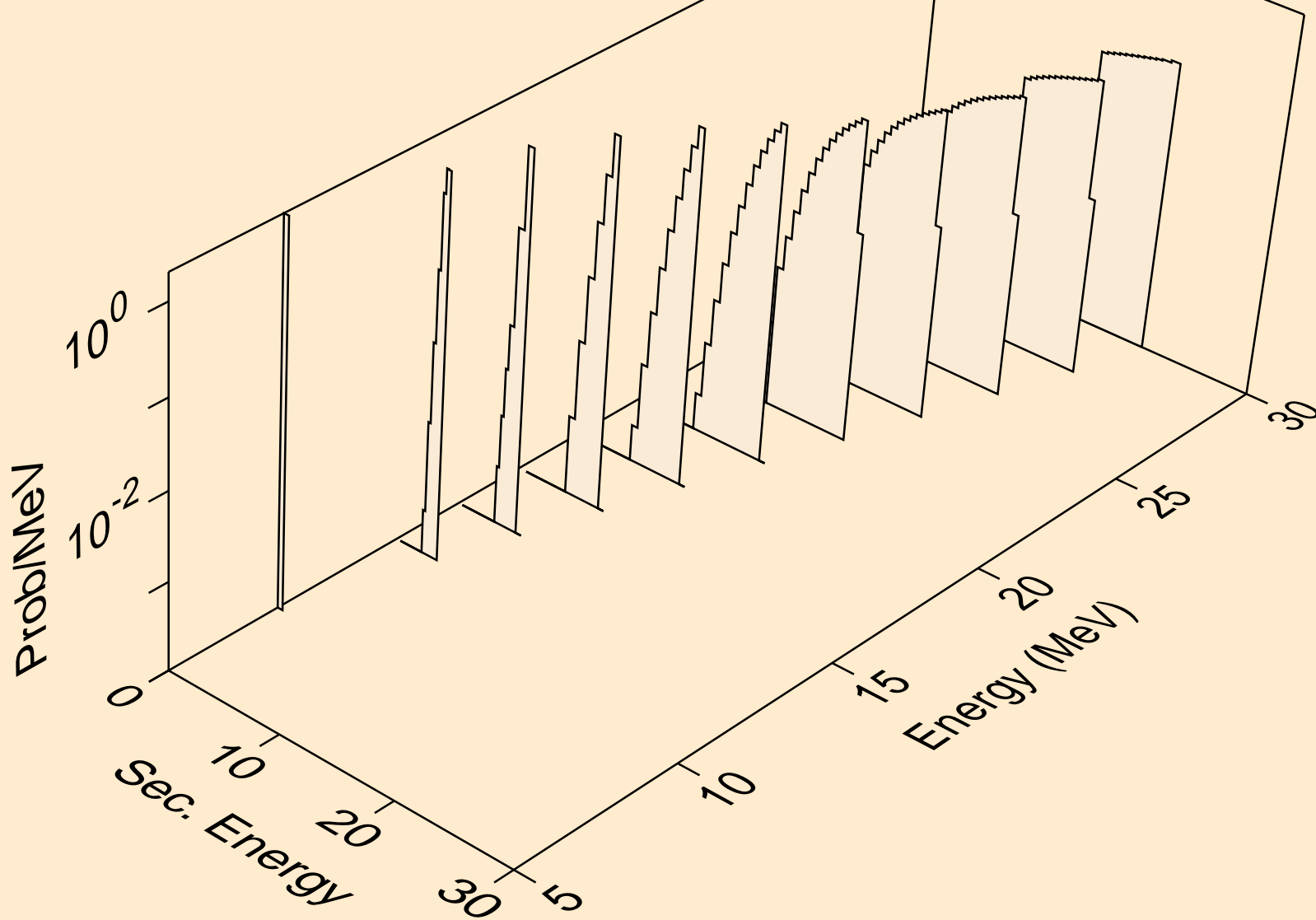
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



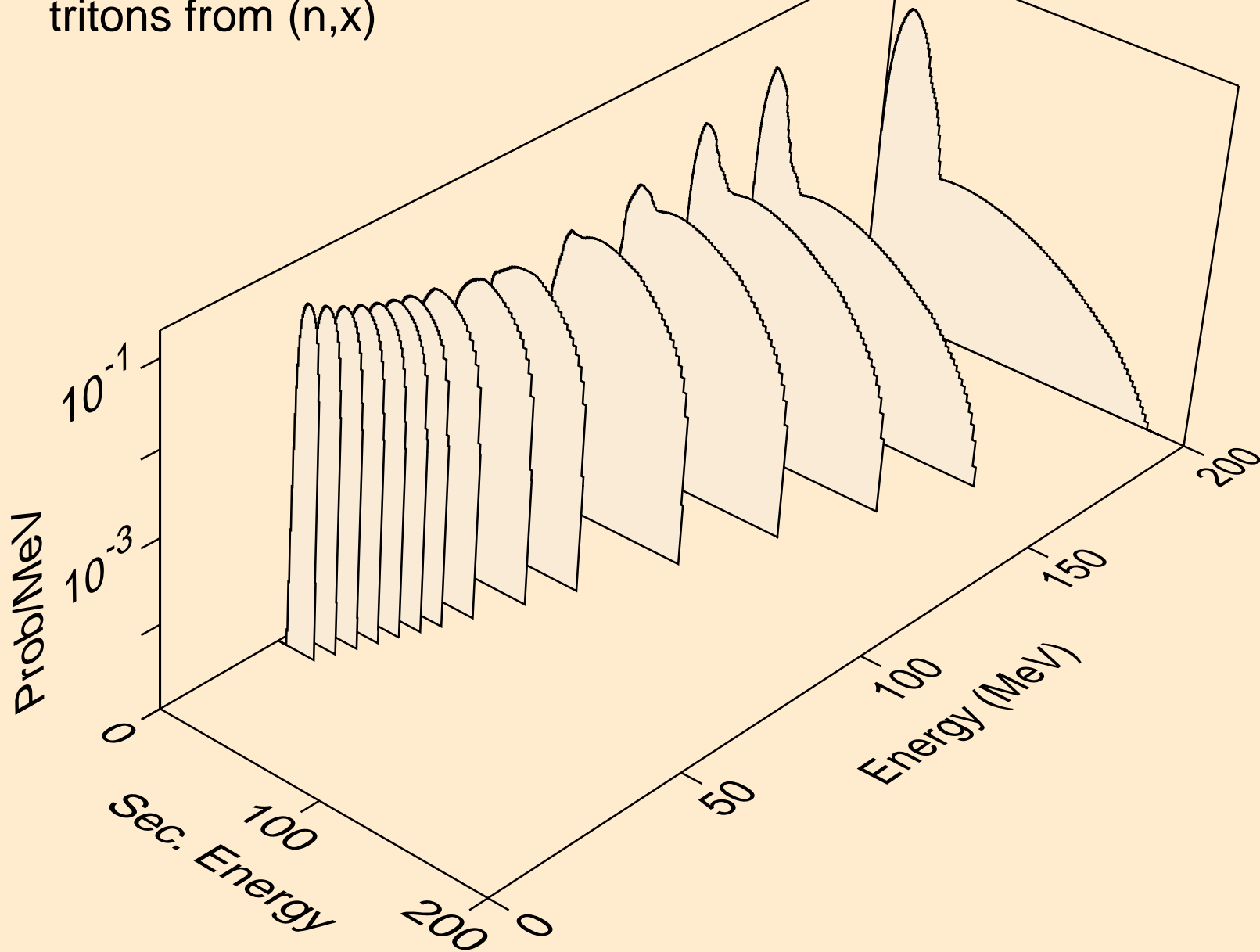
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



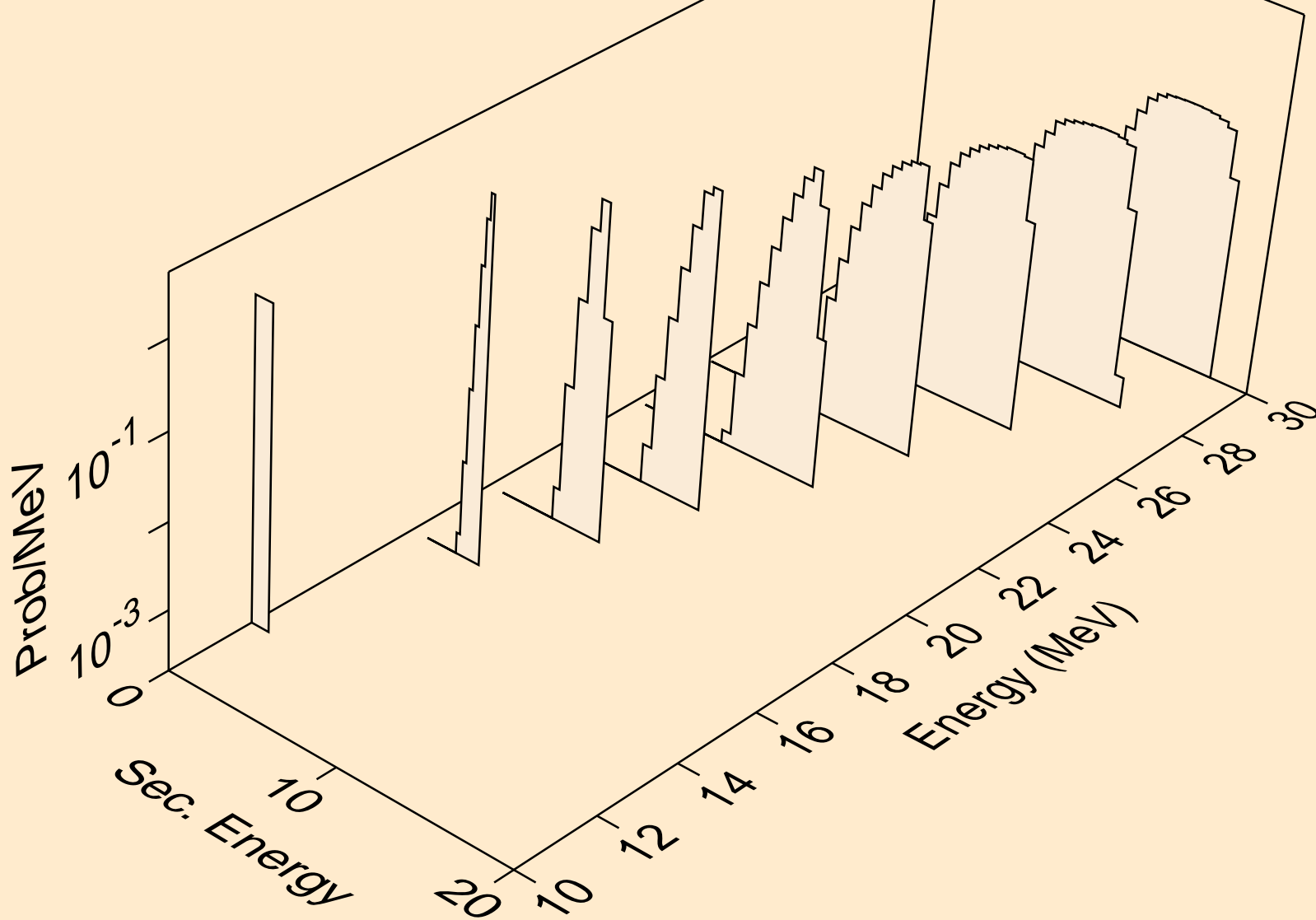
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

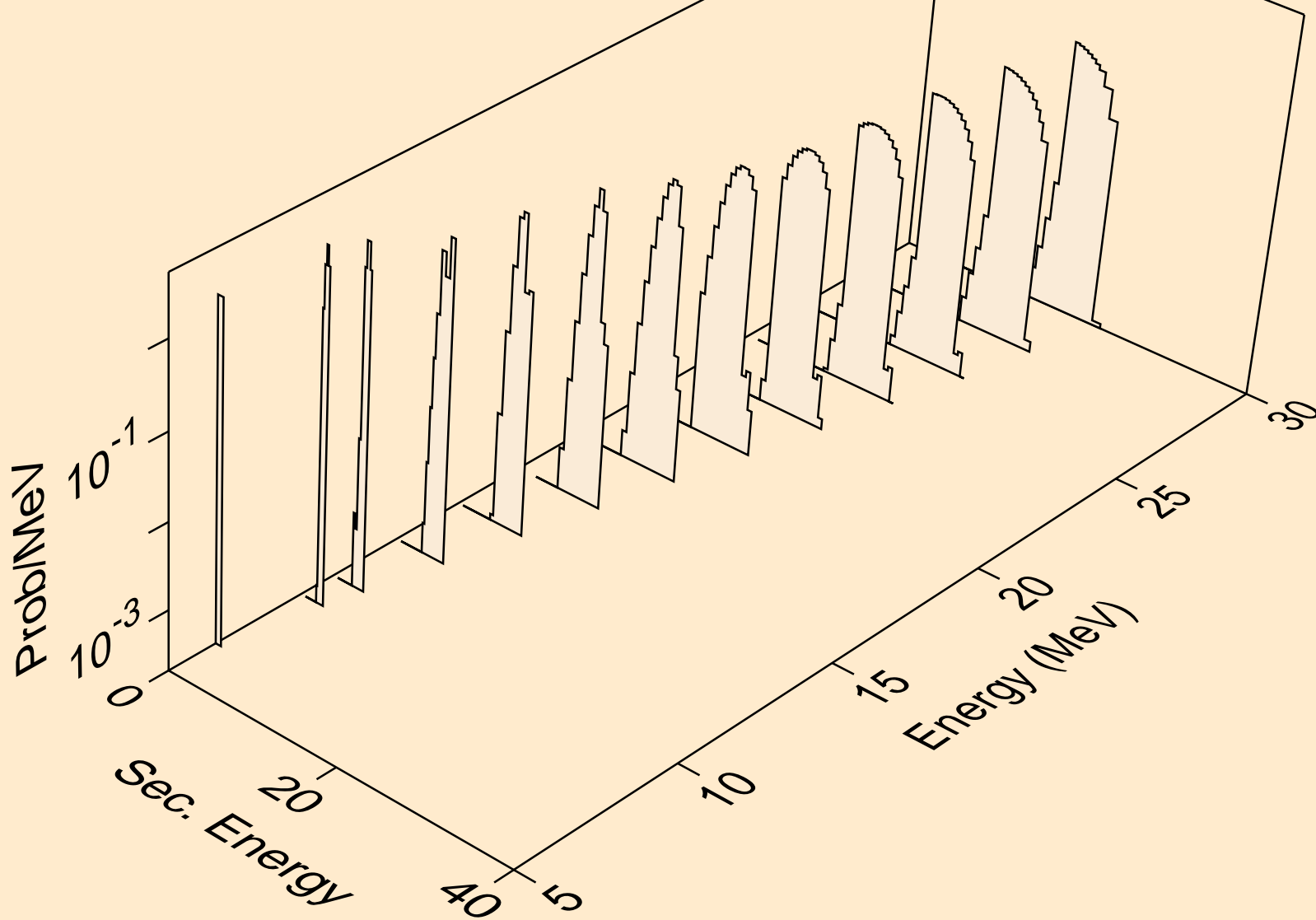


YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

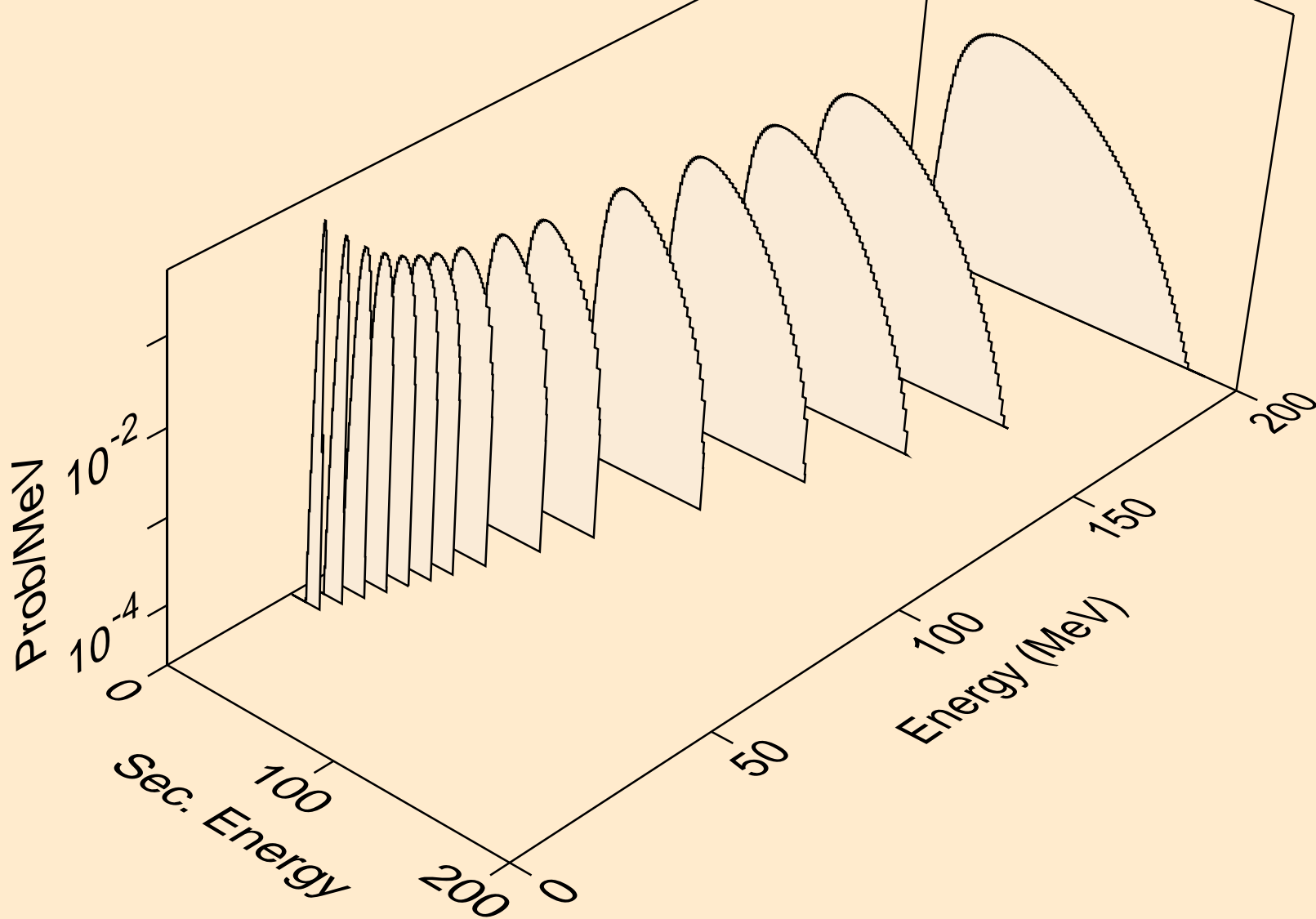




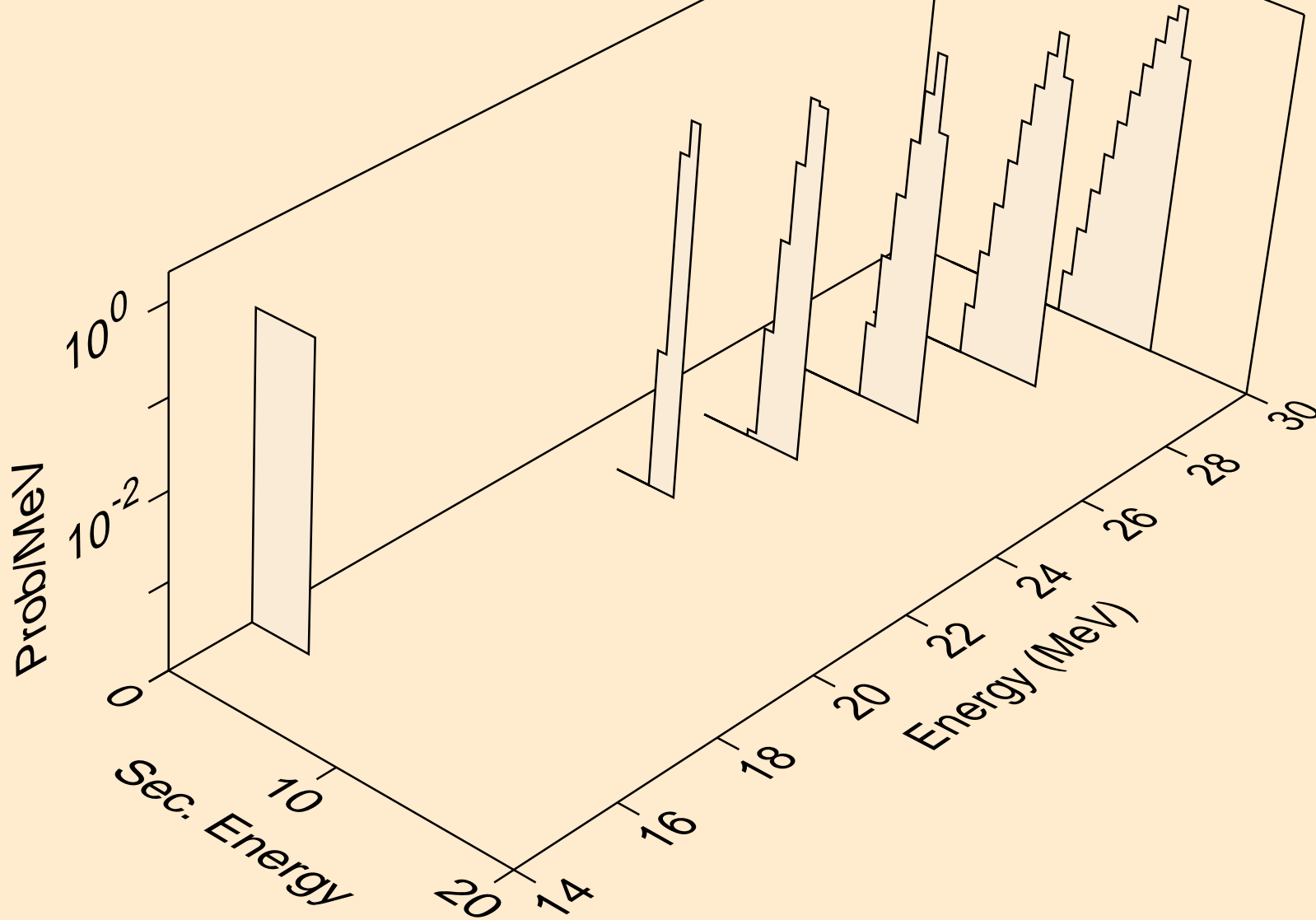
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



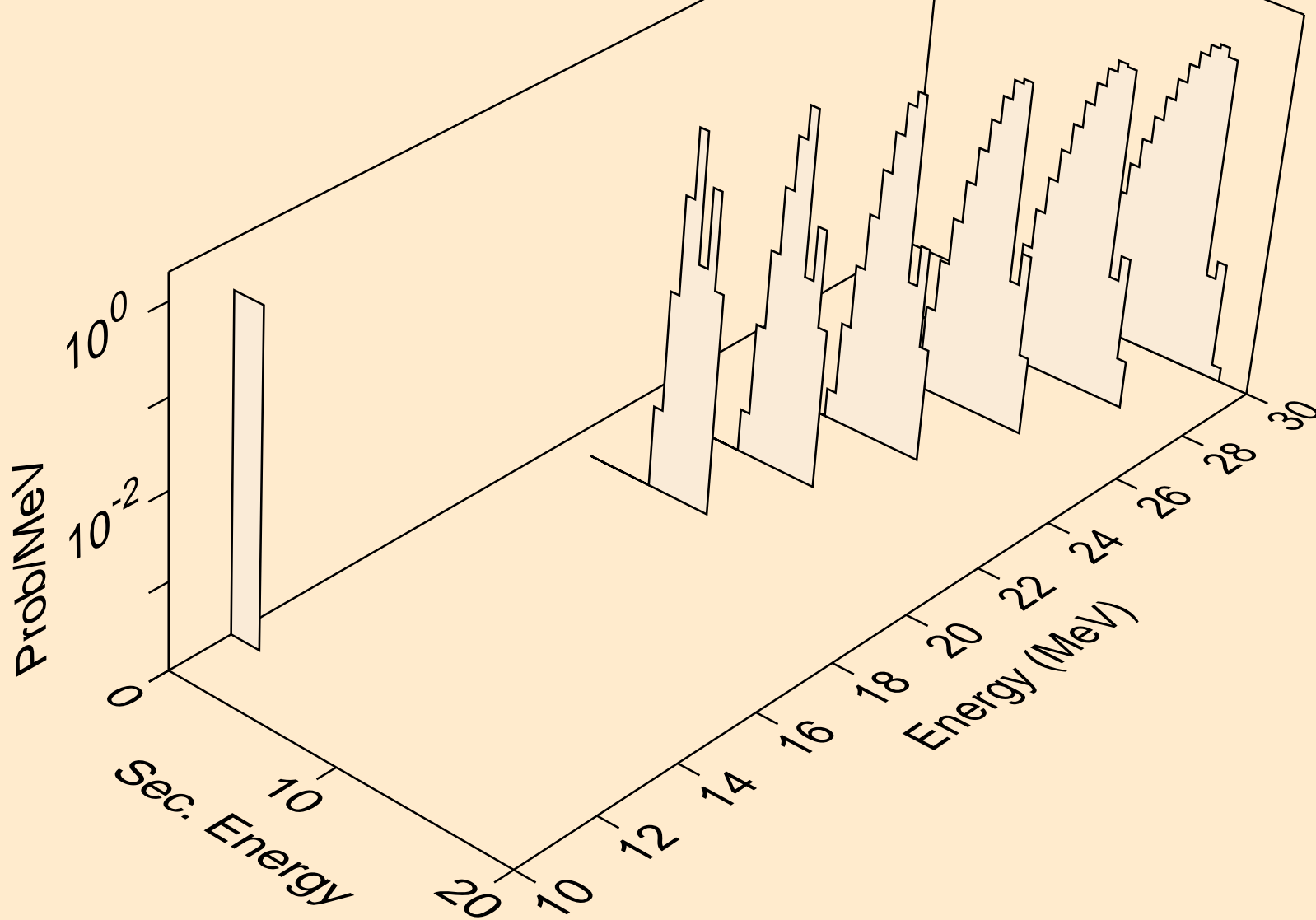
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



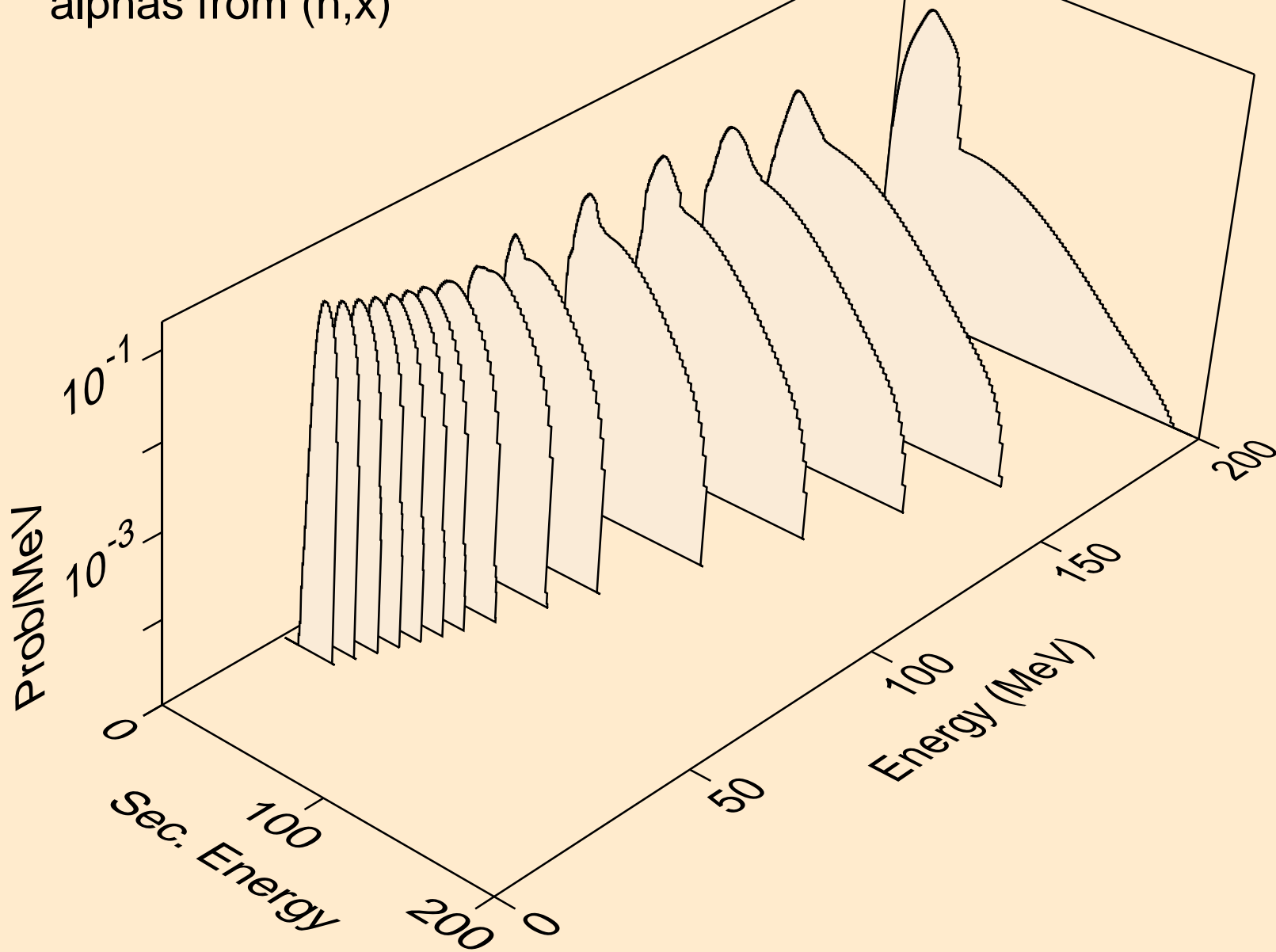
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



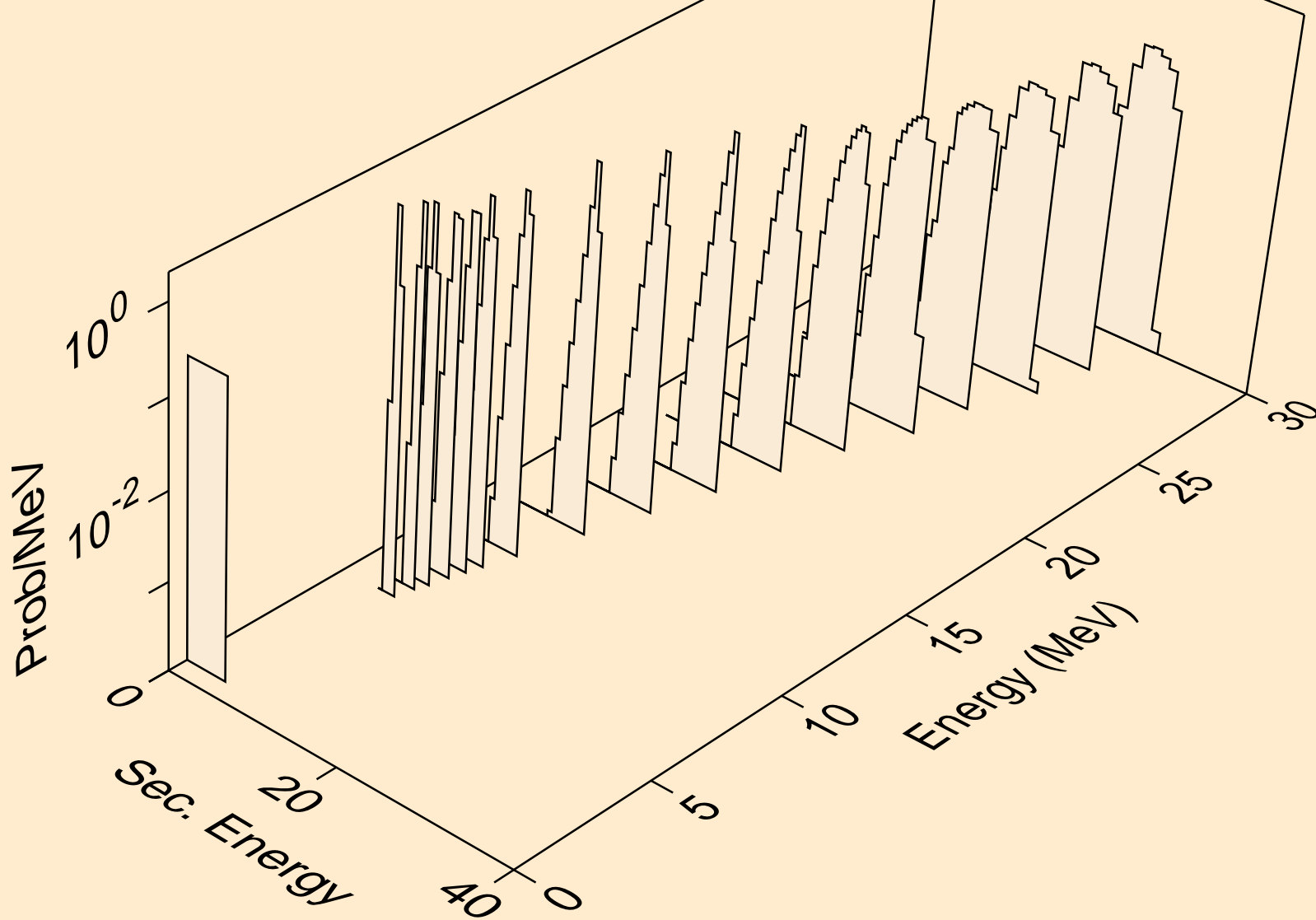
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he3s from (n,he3)



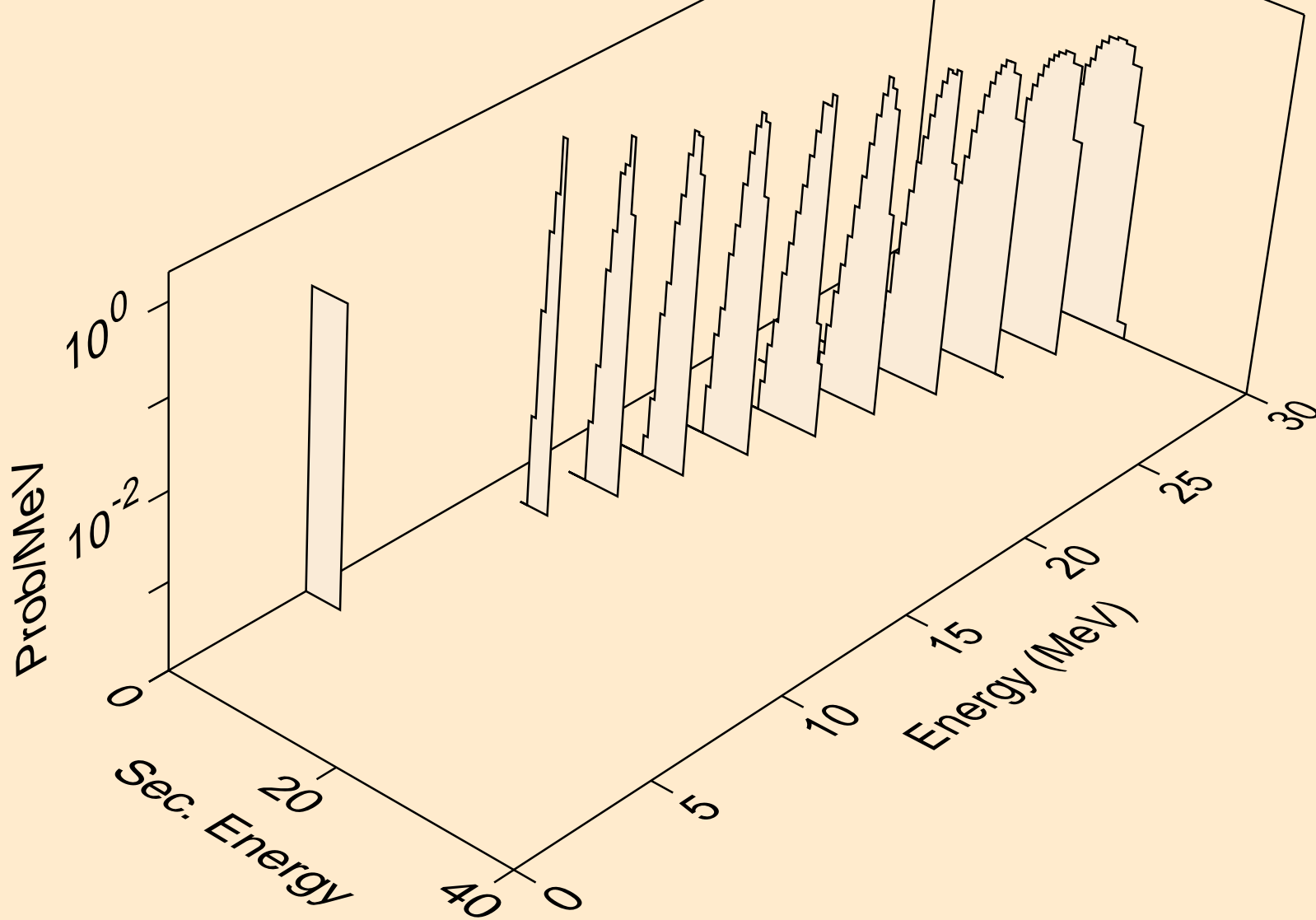
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



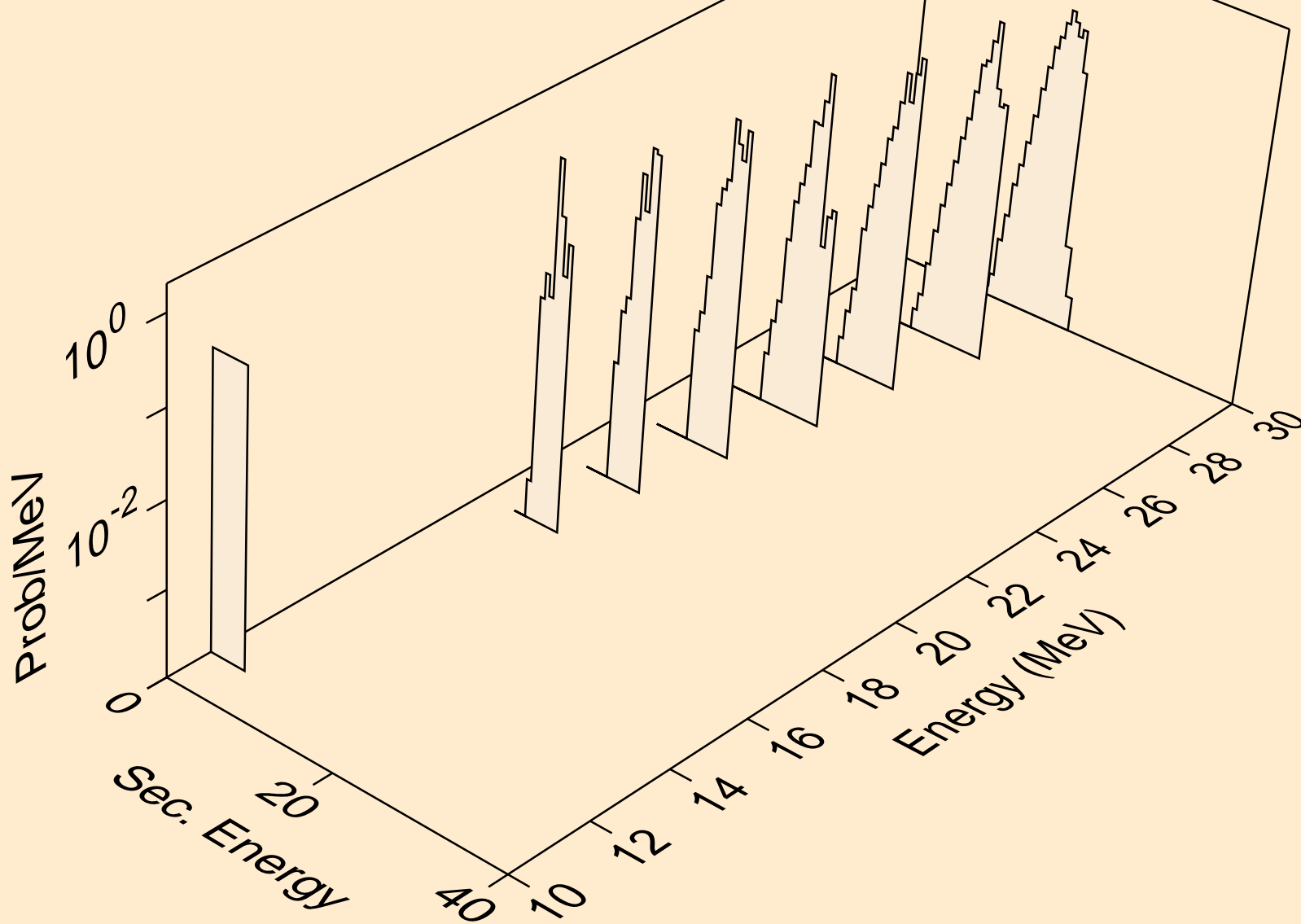
YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a





YB181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

