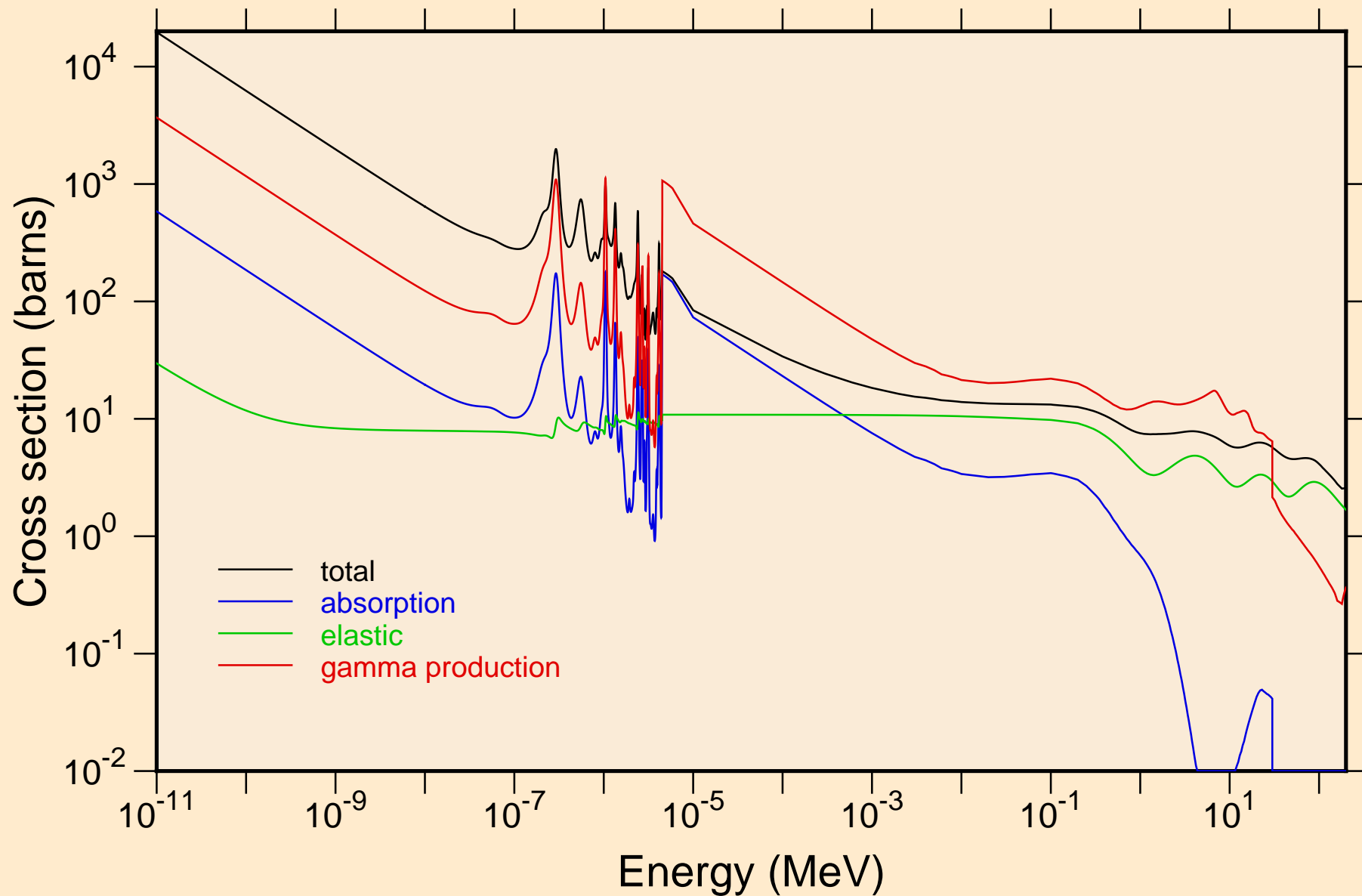
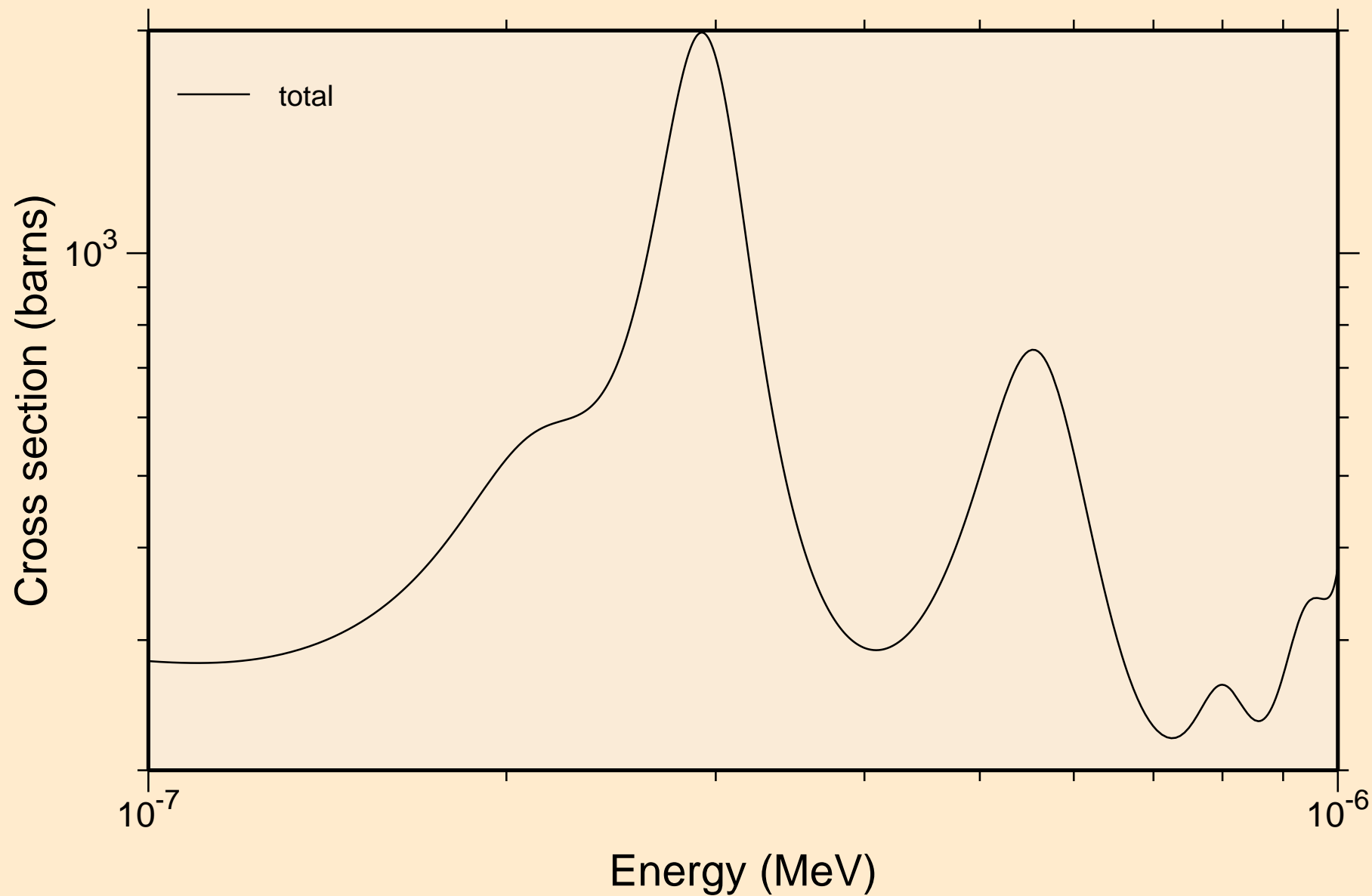


# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

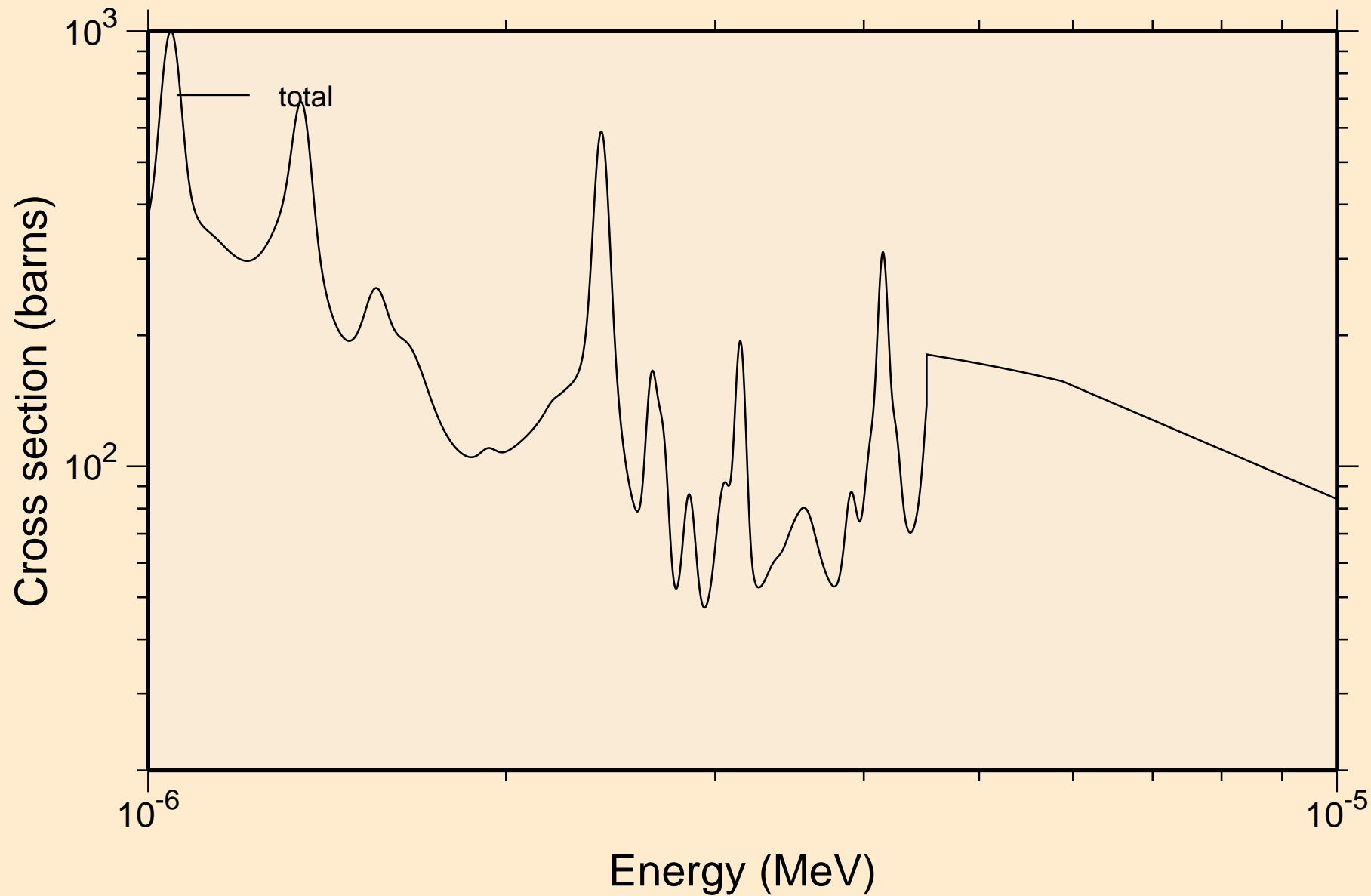
## Principal cross sections



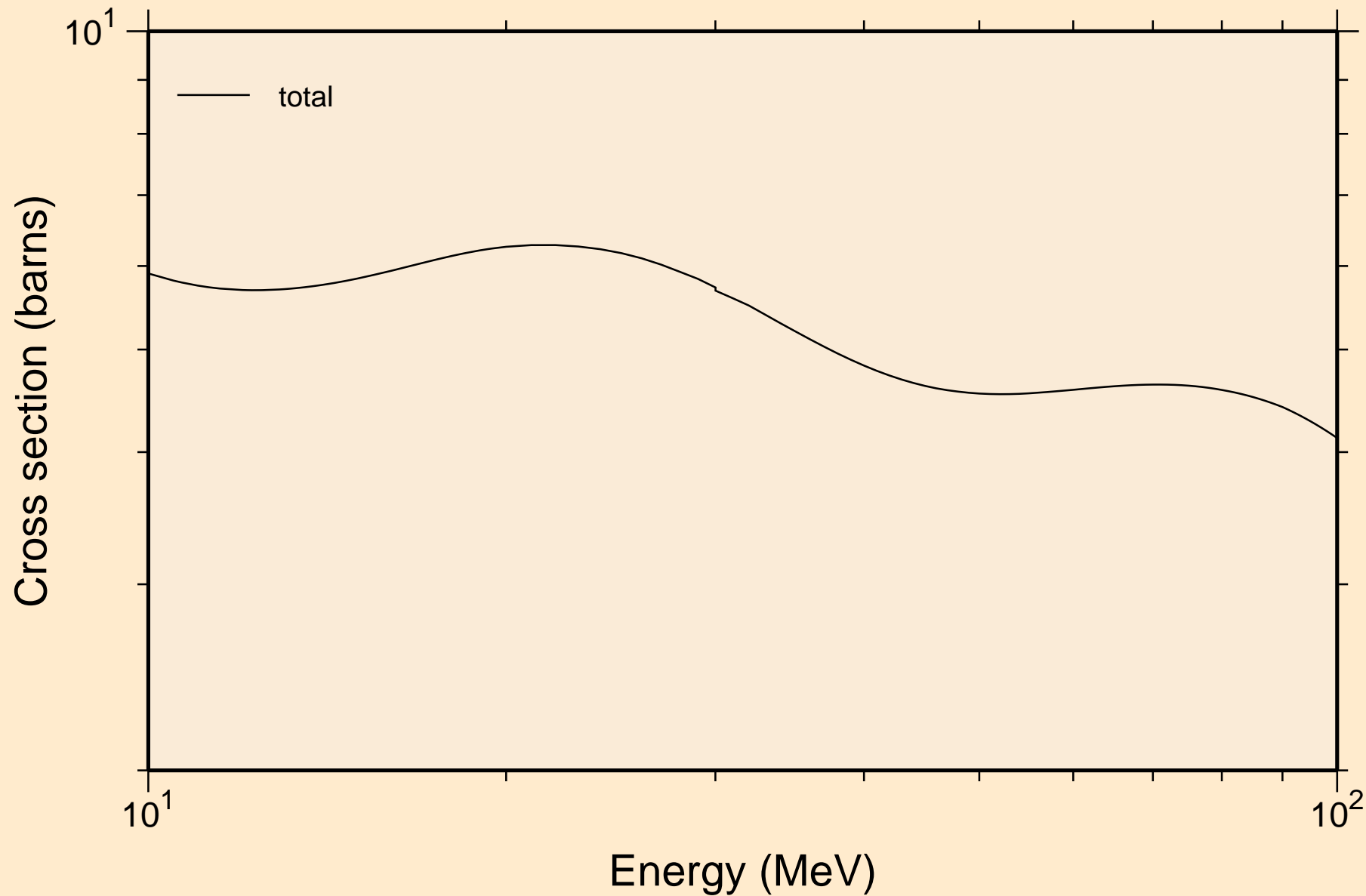
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



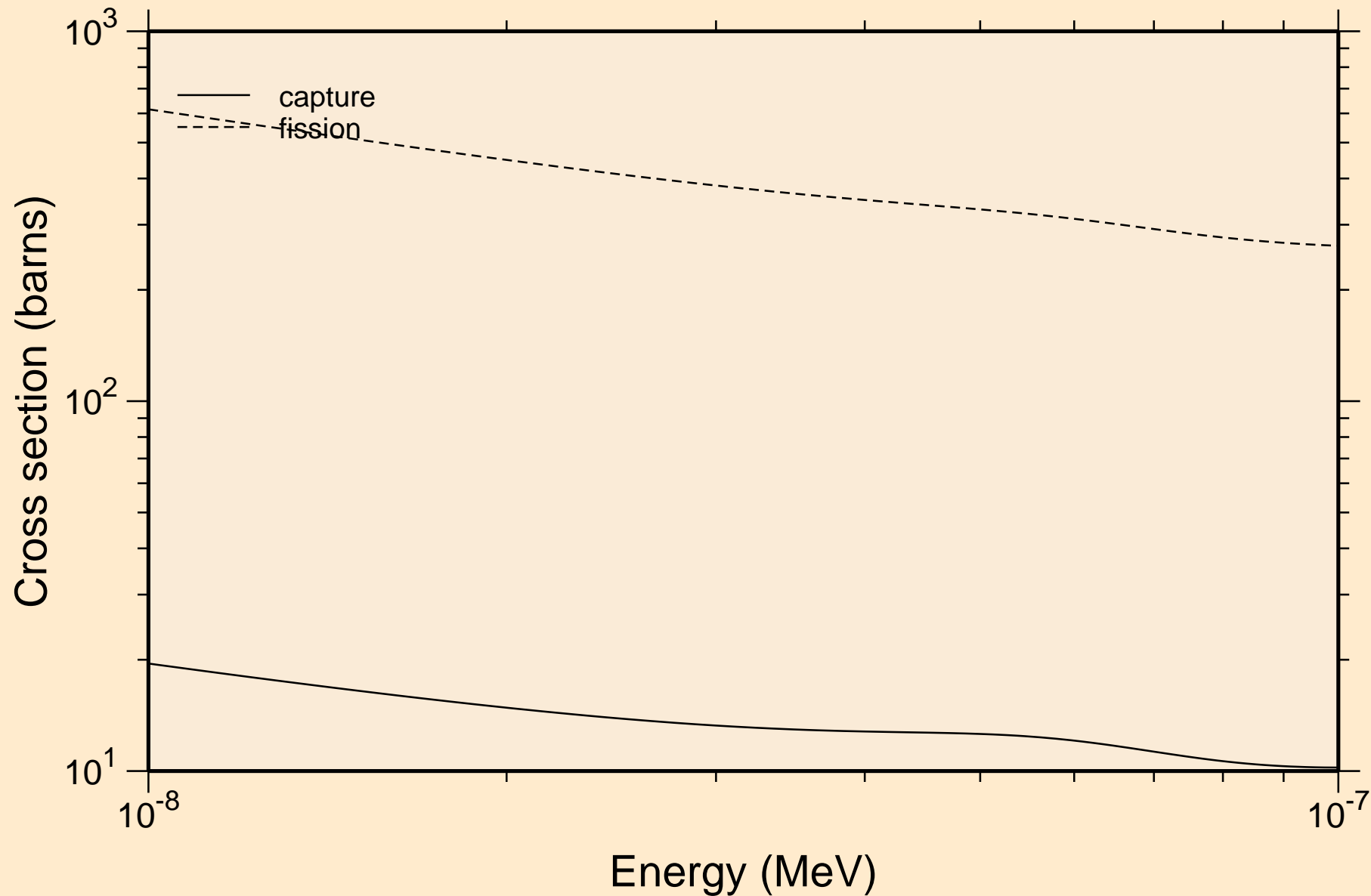
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



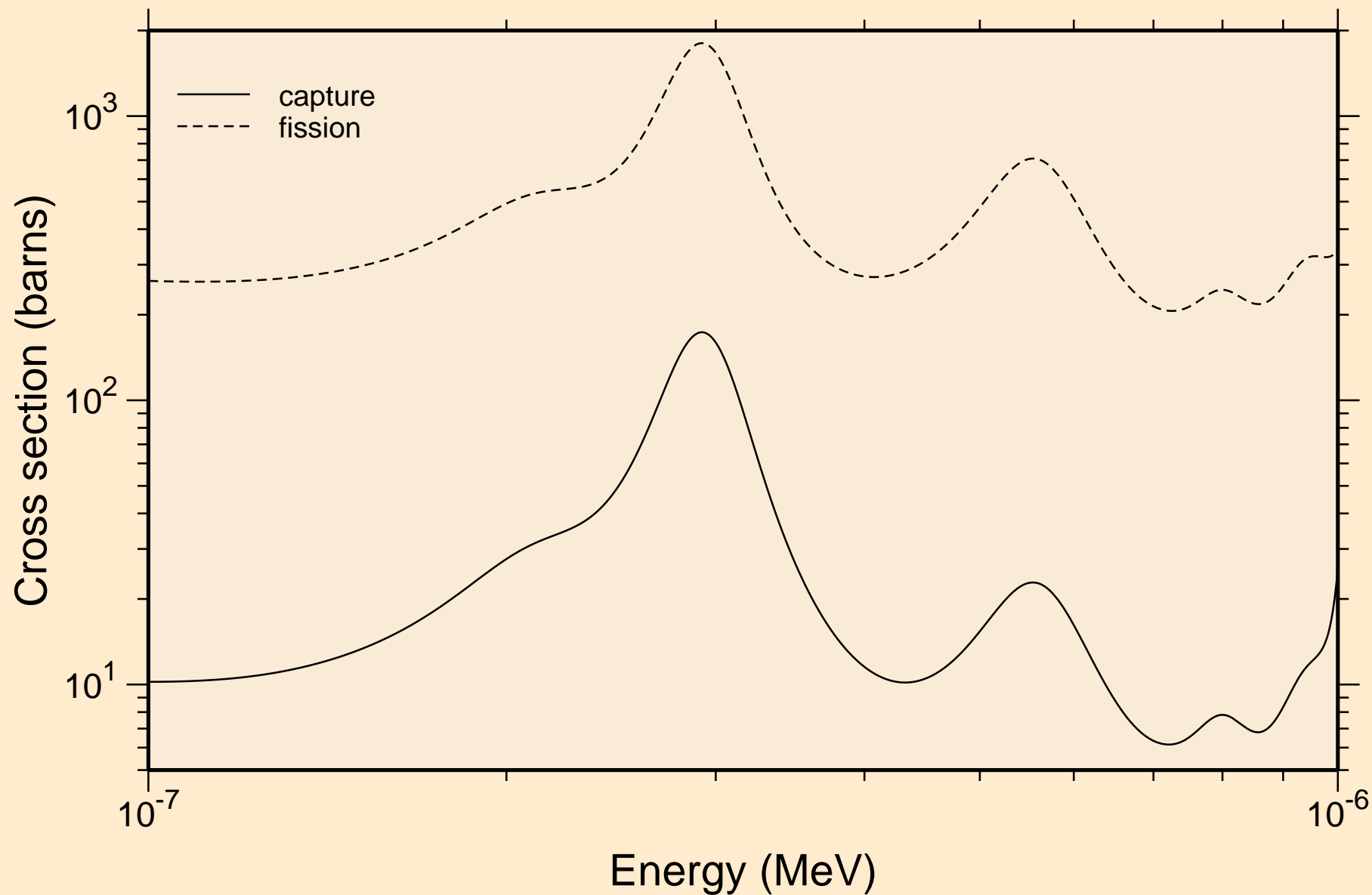
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



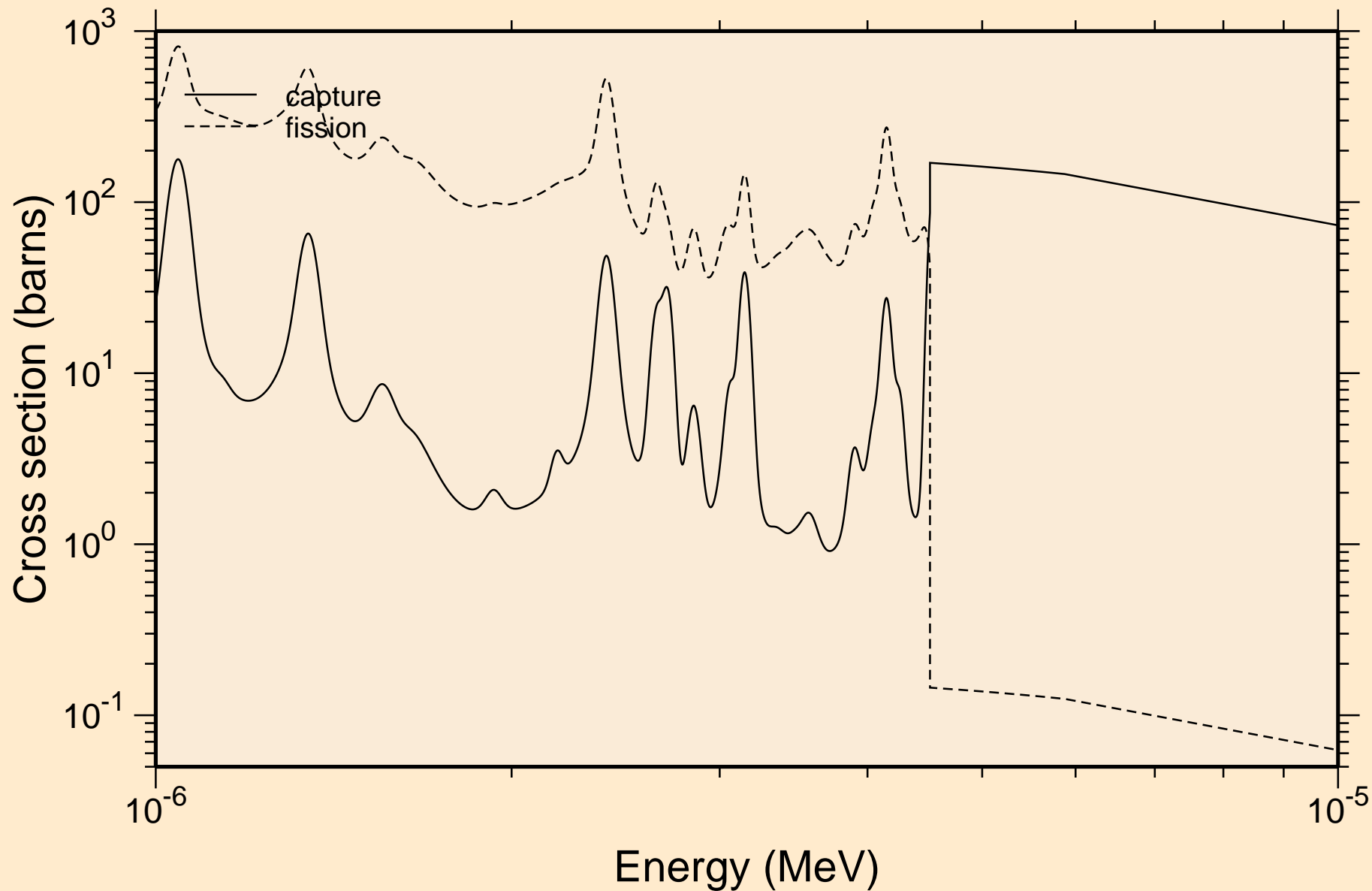
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resonance absorption cross sections



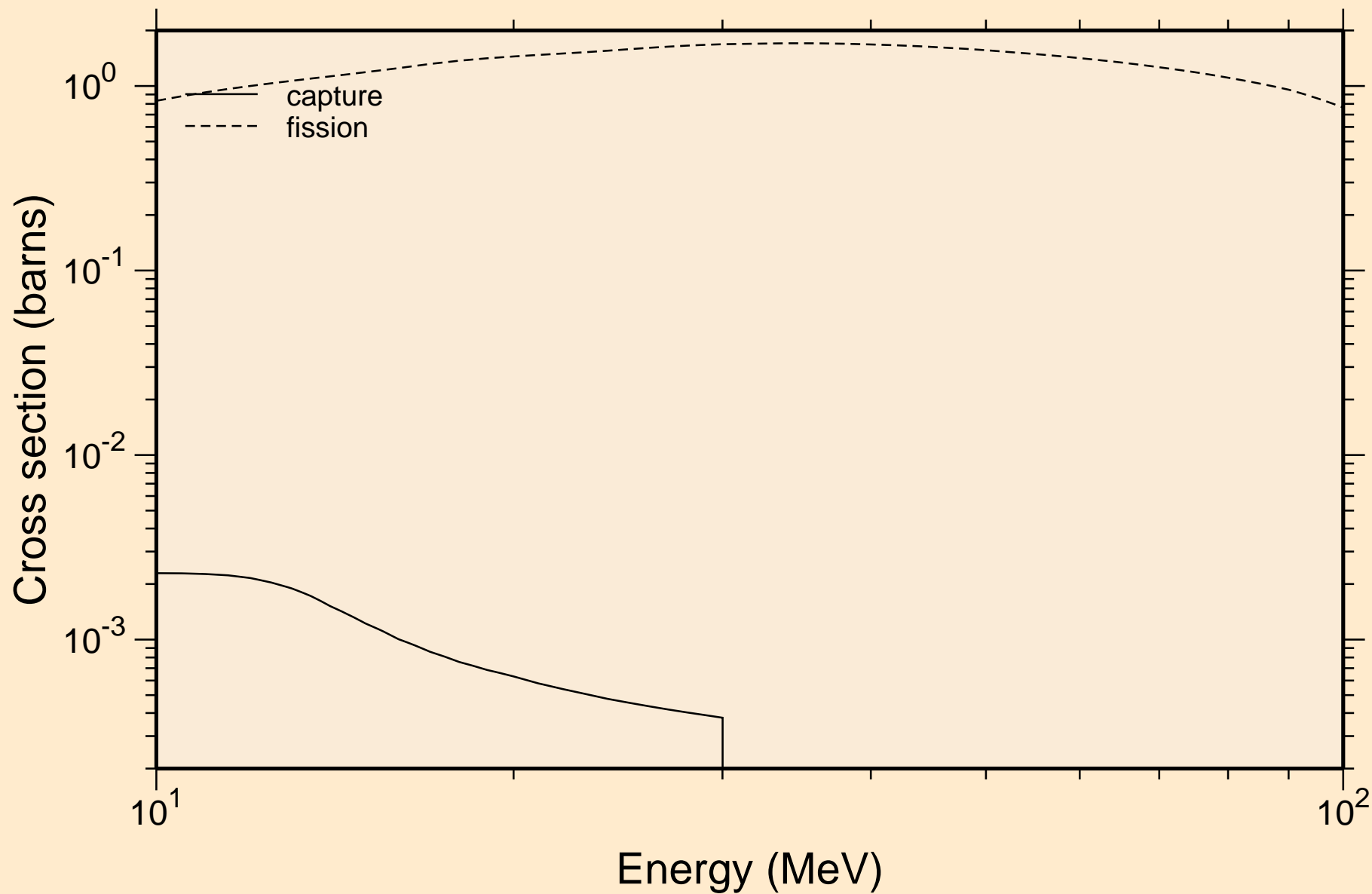
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

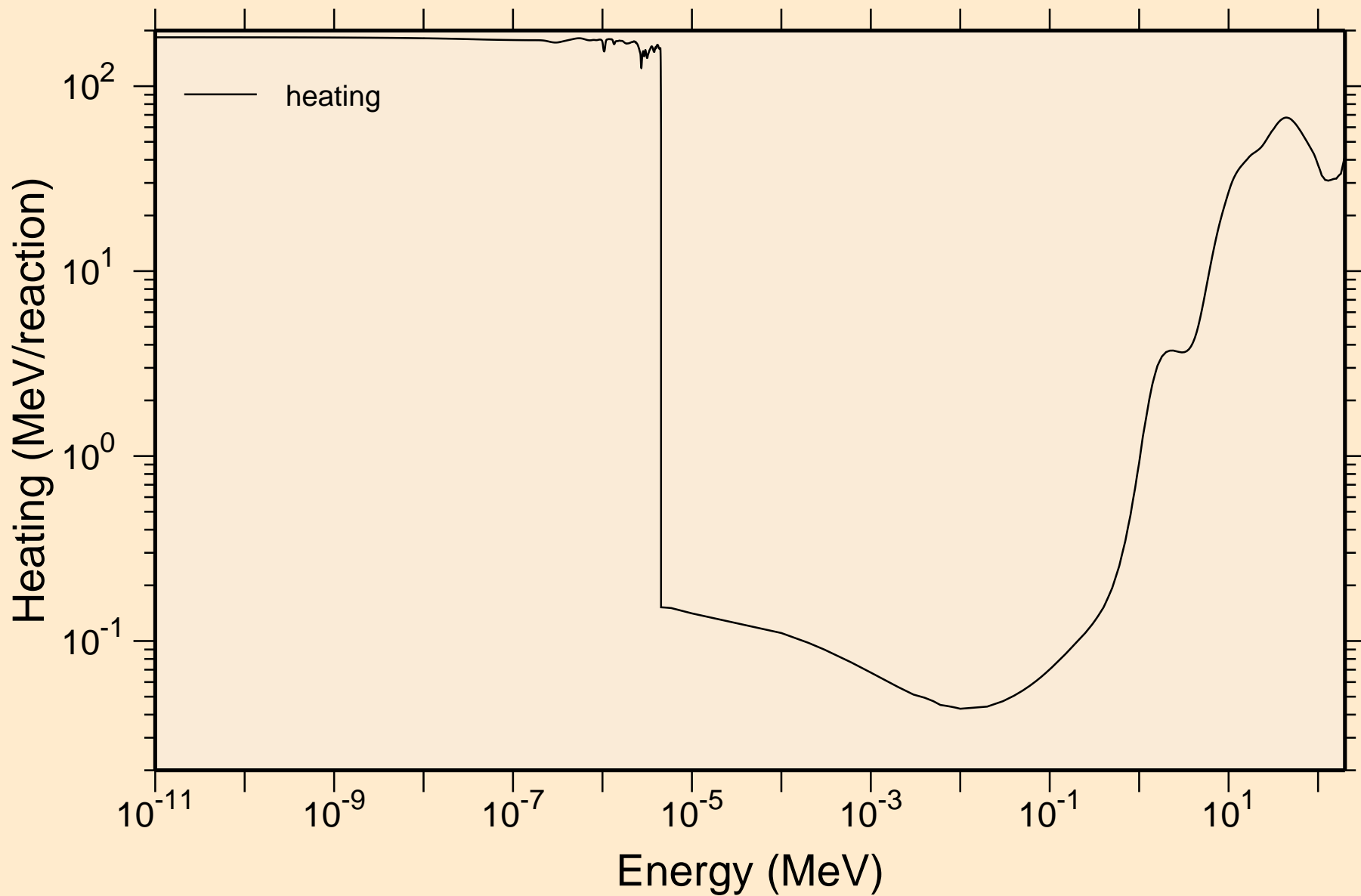


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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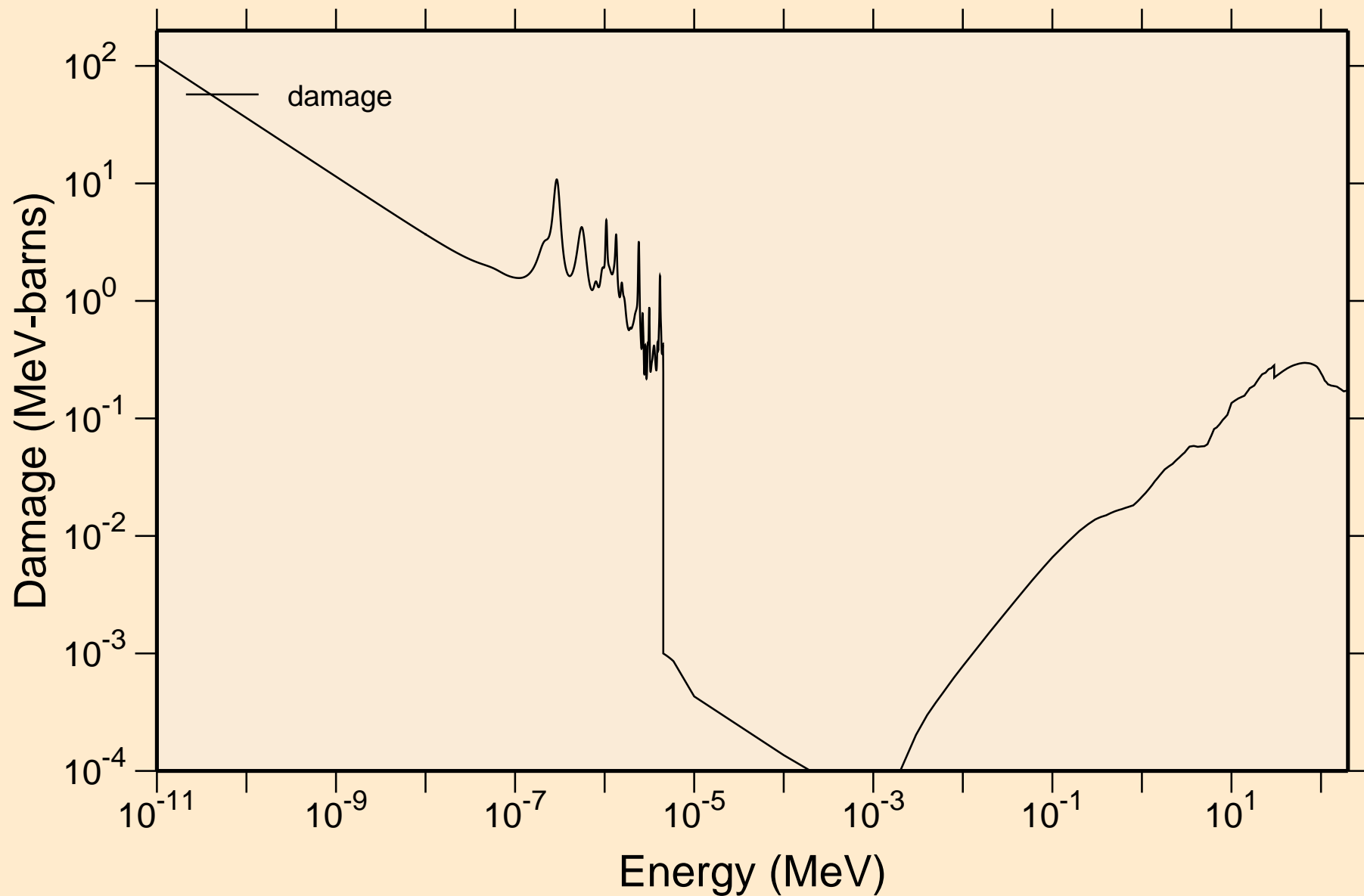




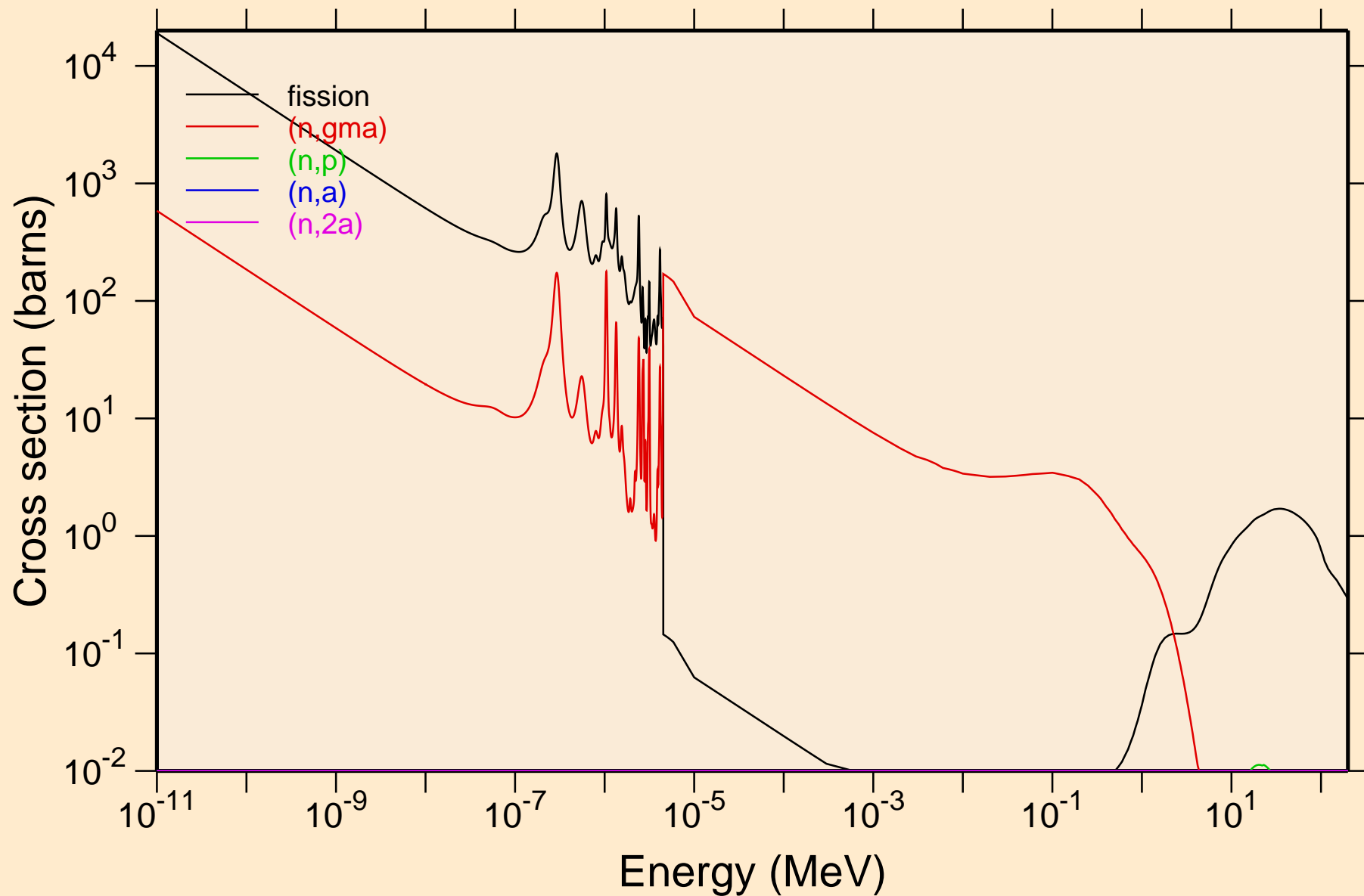
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



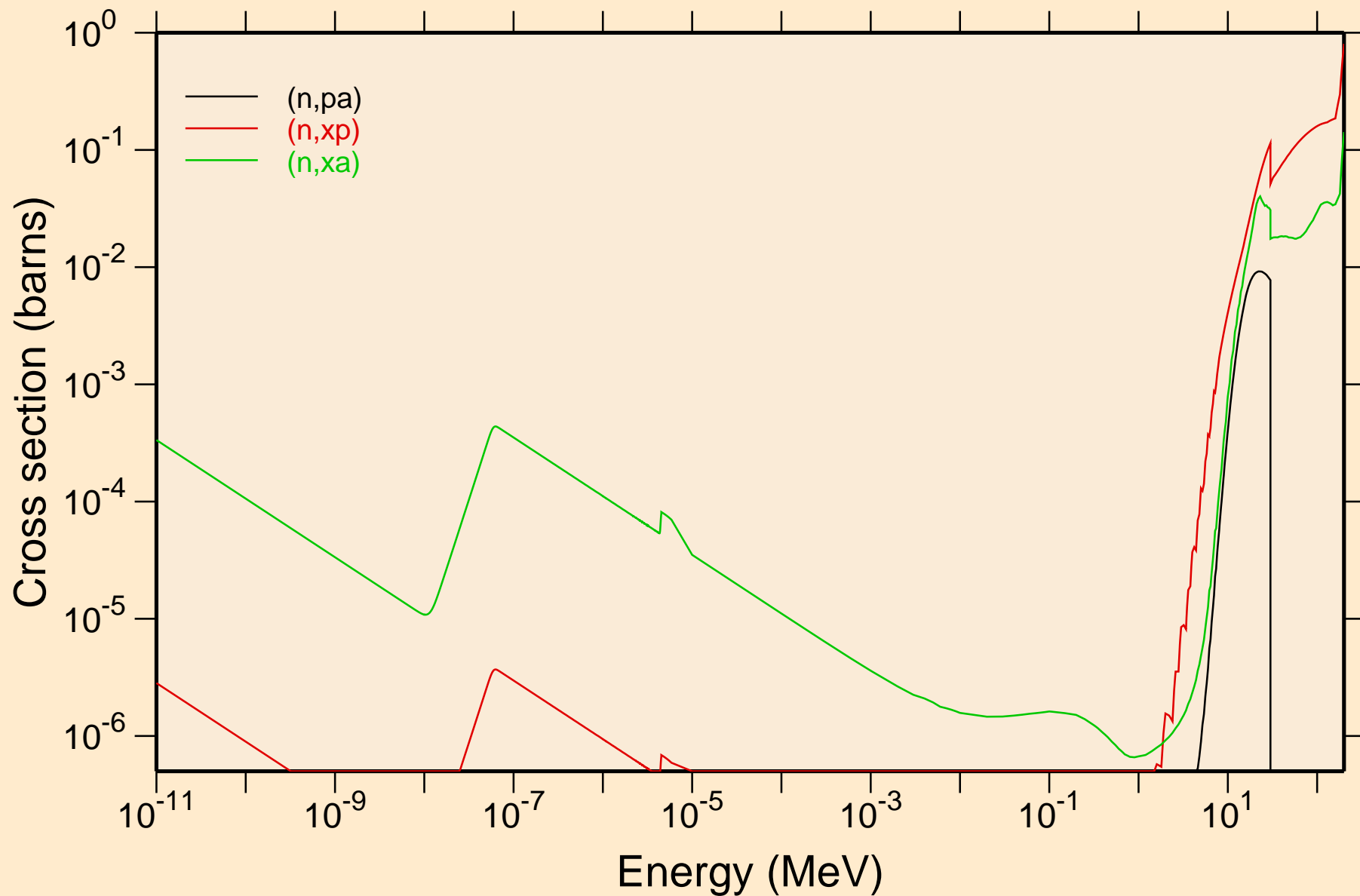
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



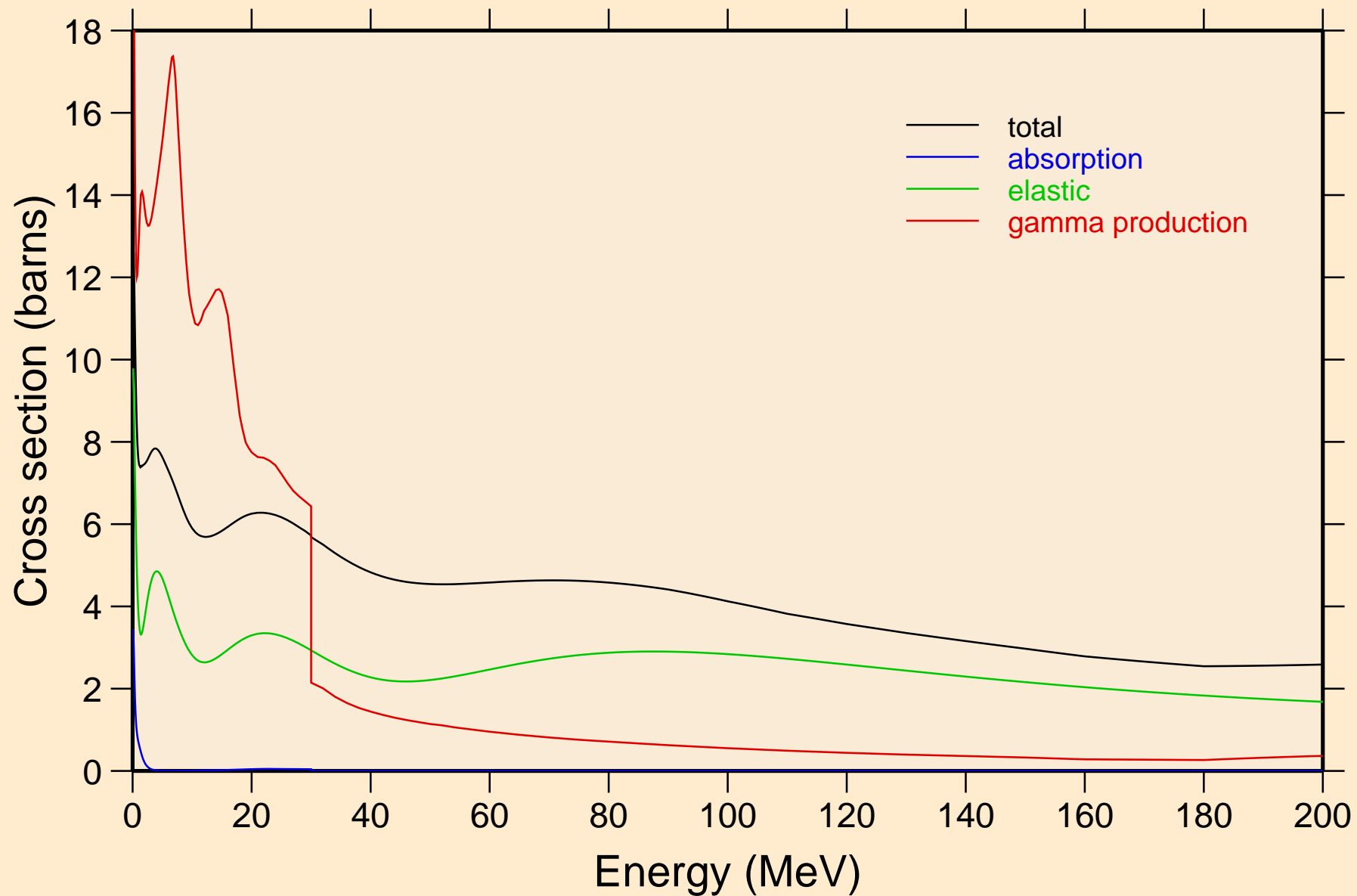
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



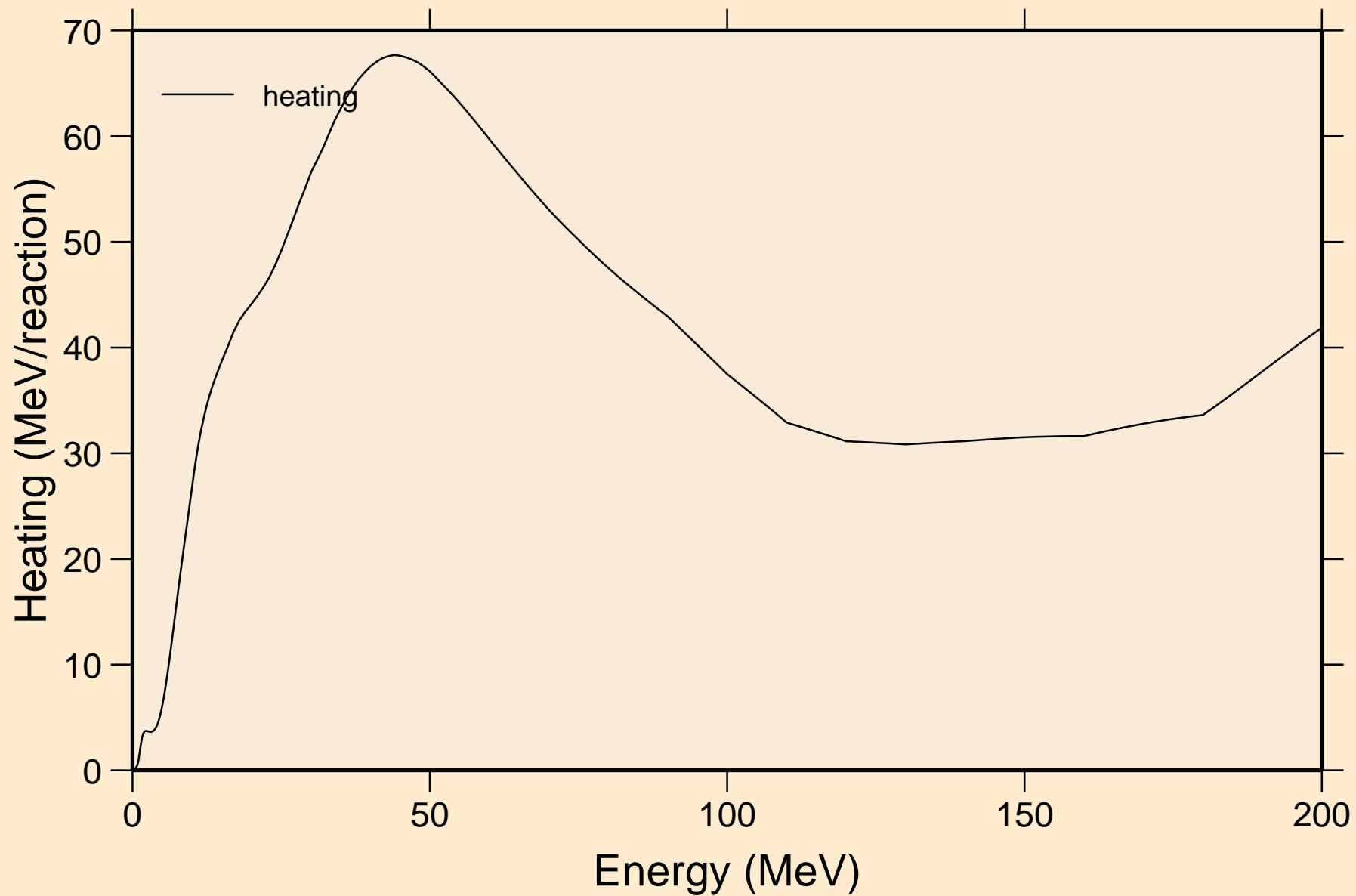
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Non-threshold reactions



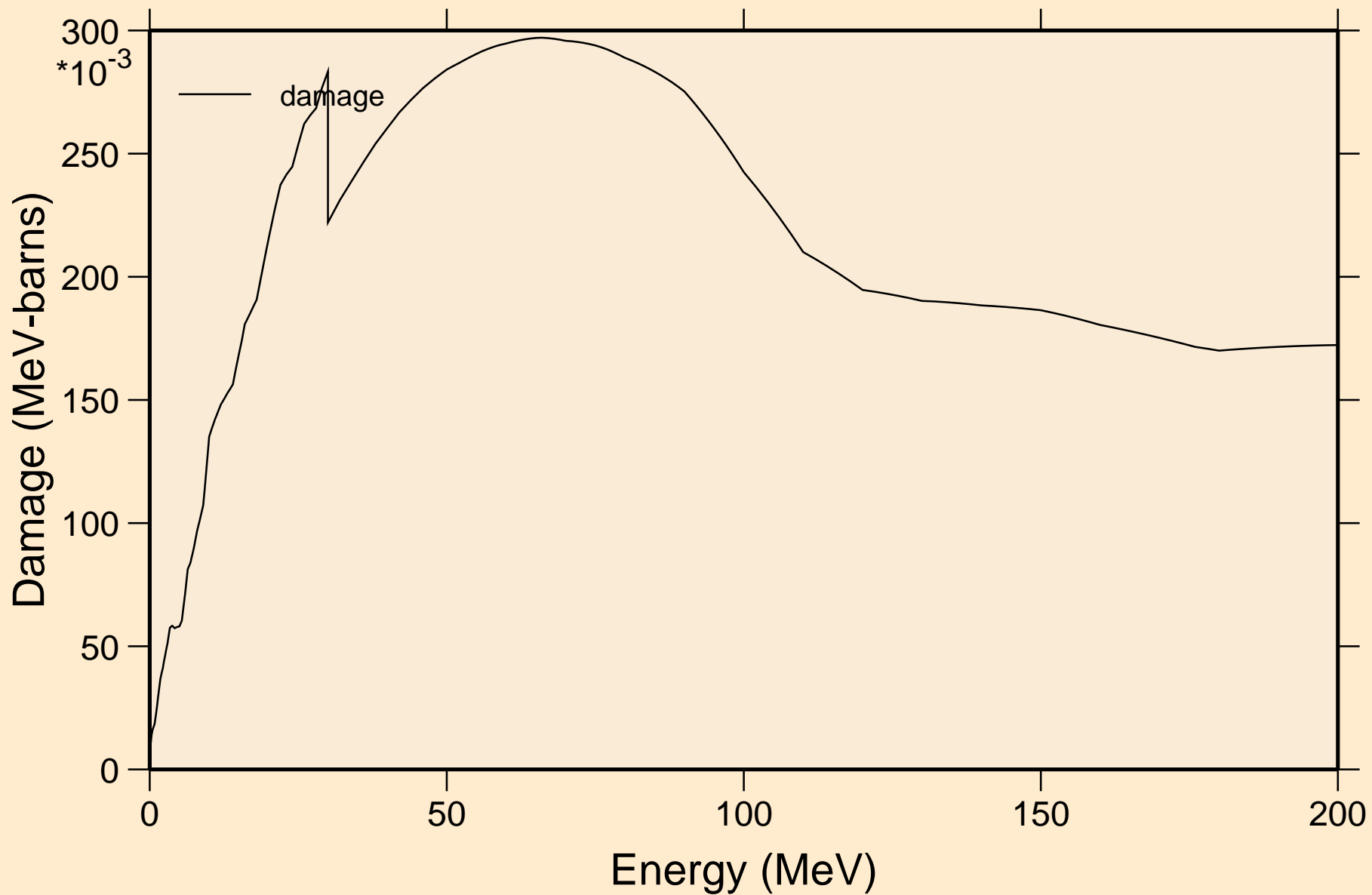
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

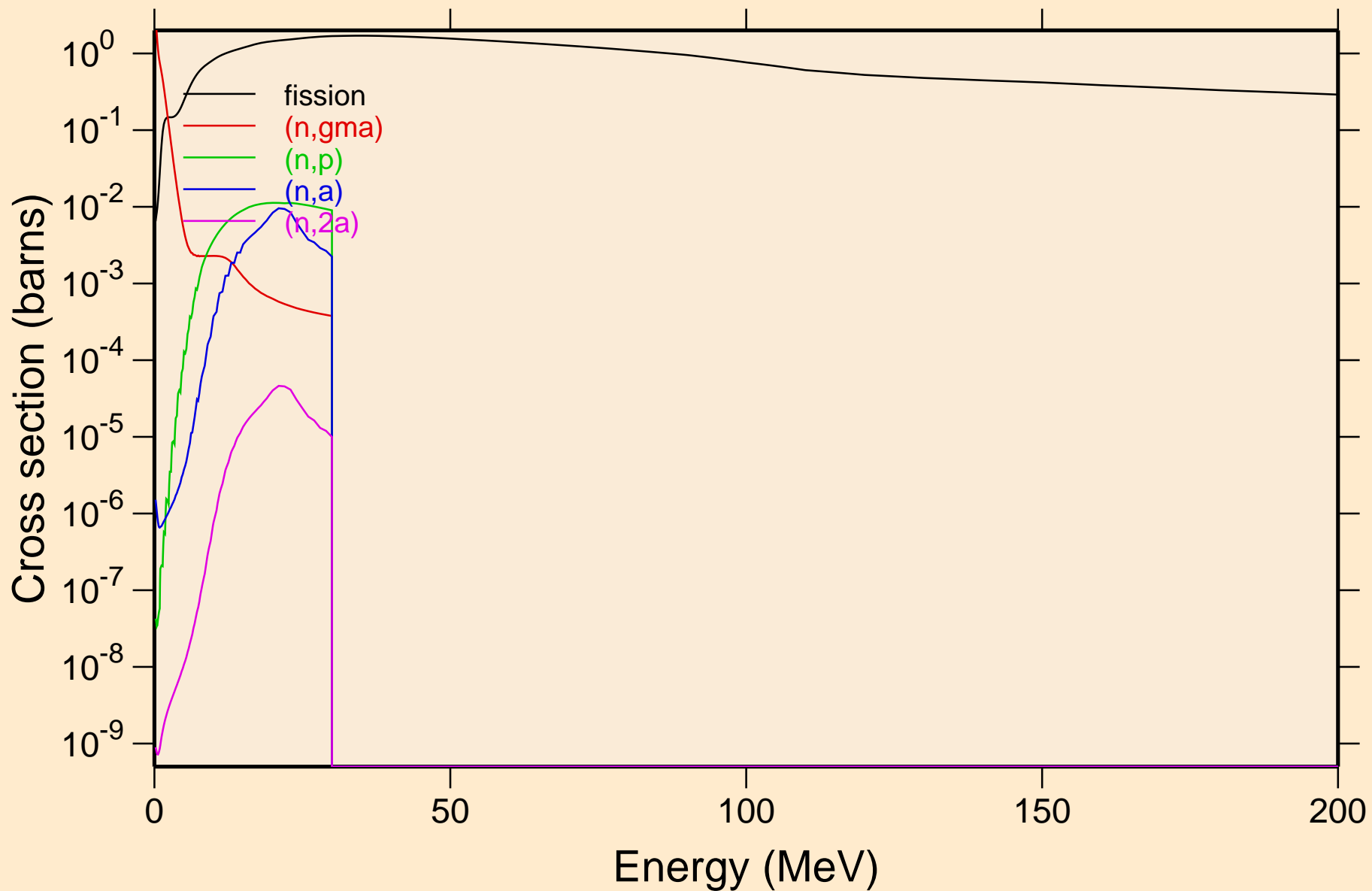


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



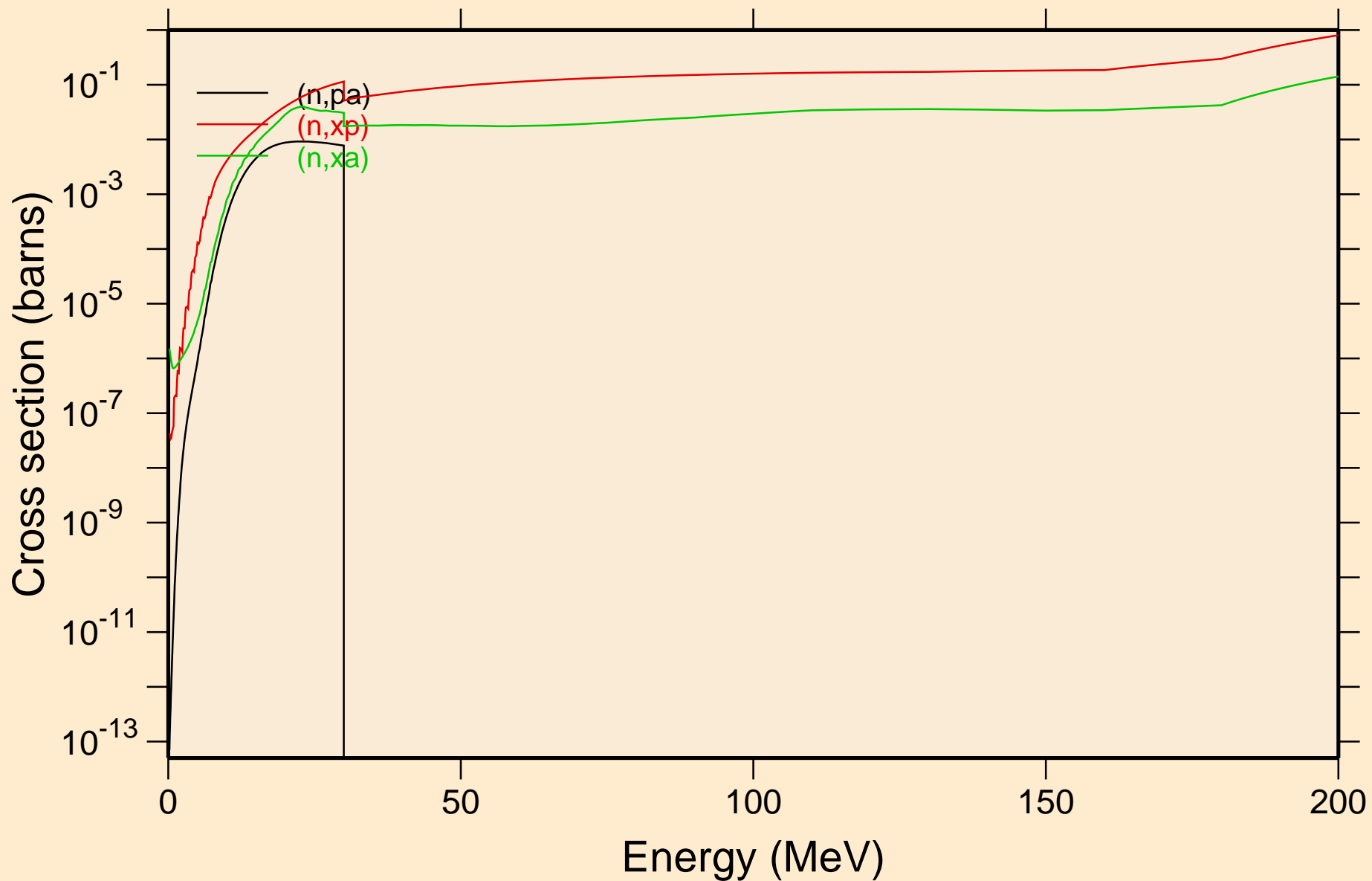
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## Non-threshold reactions

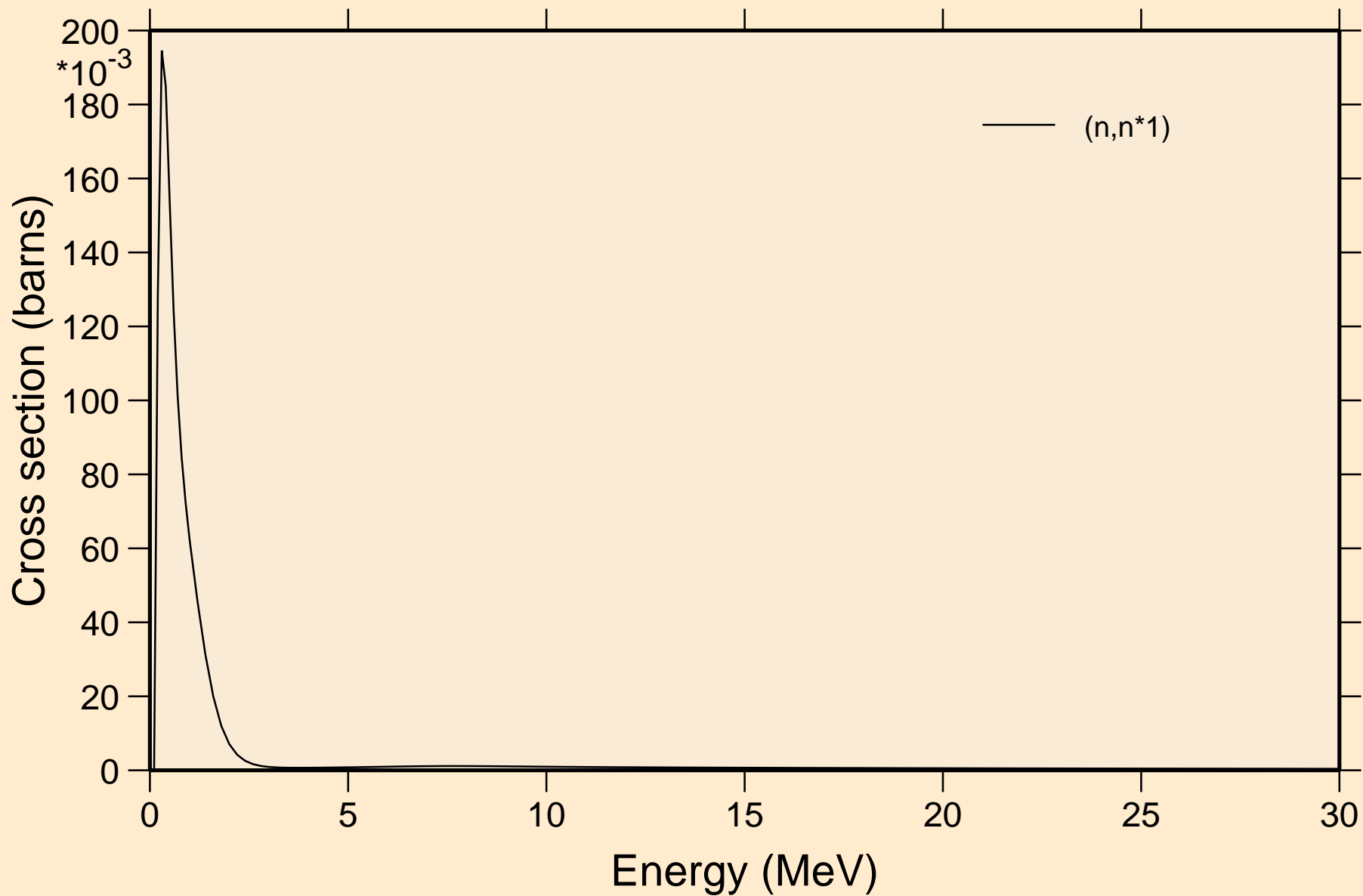




ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

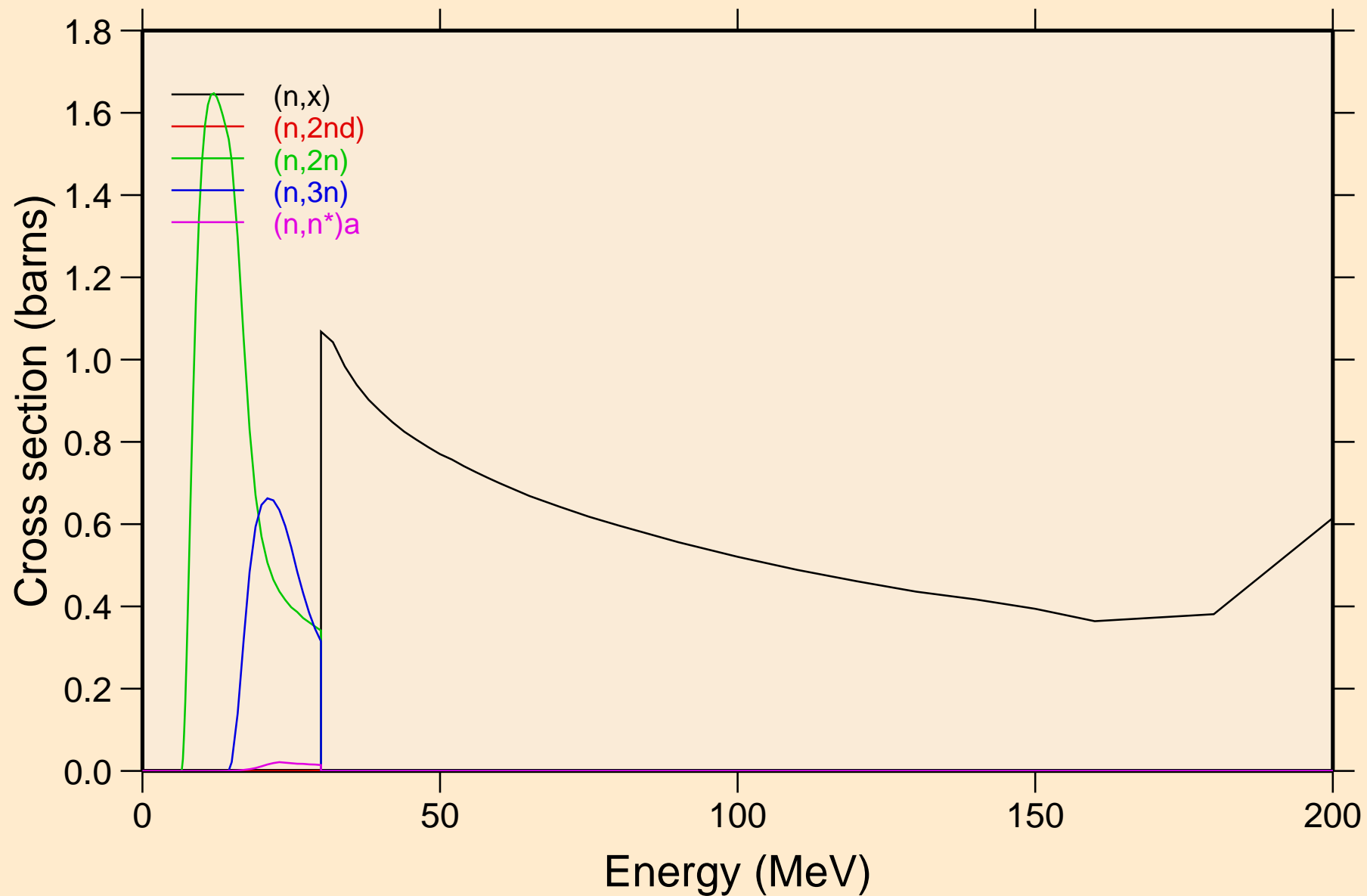


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

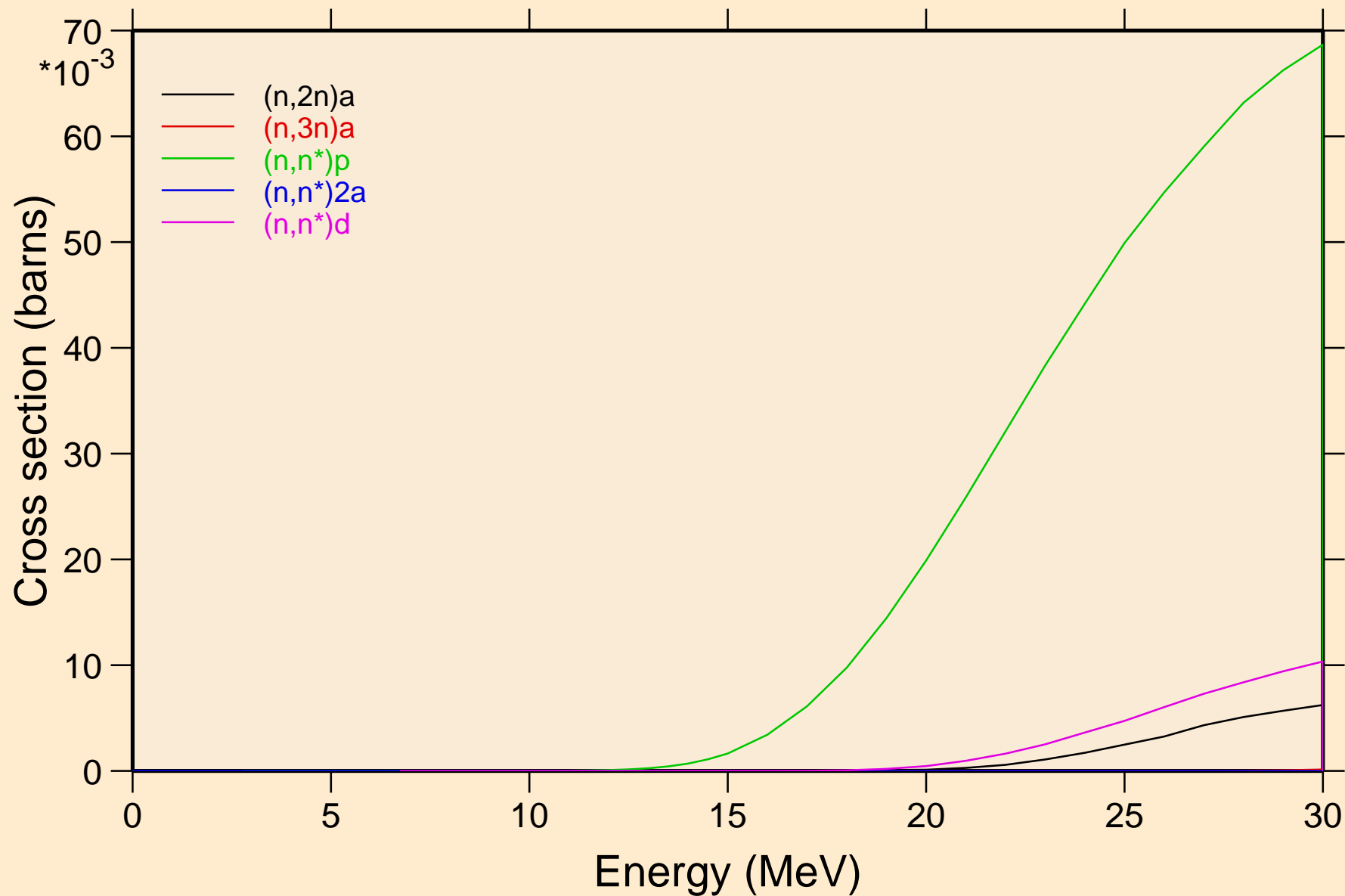


# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

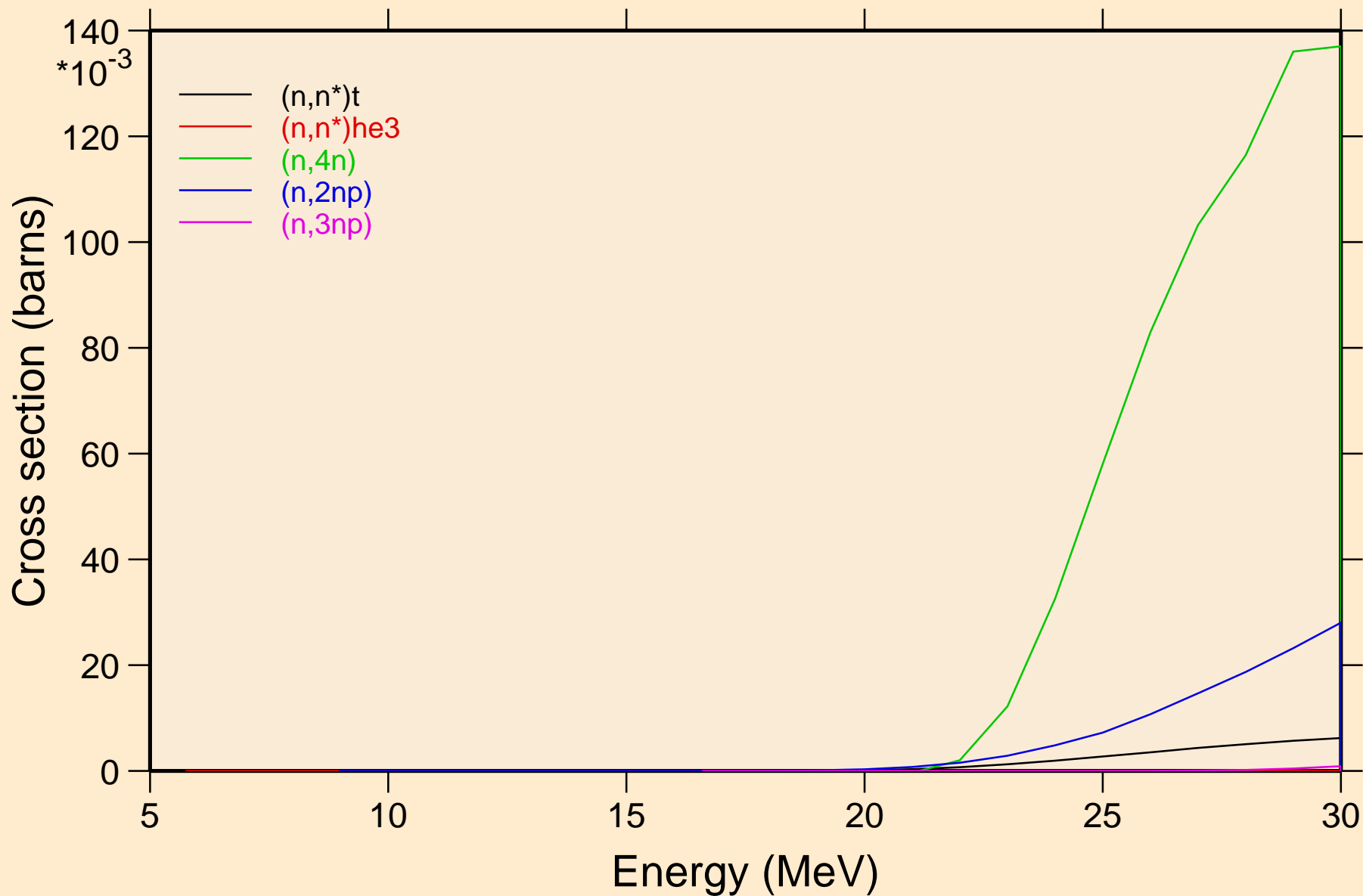
## Threshold reactions



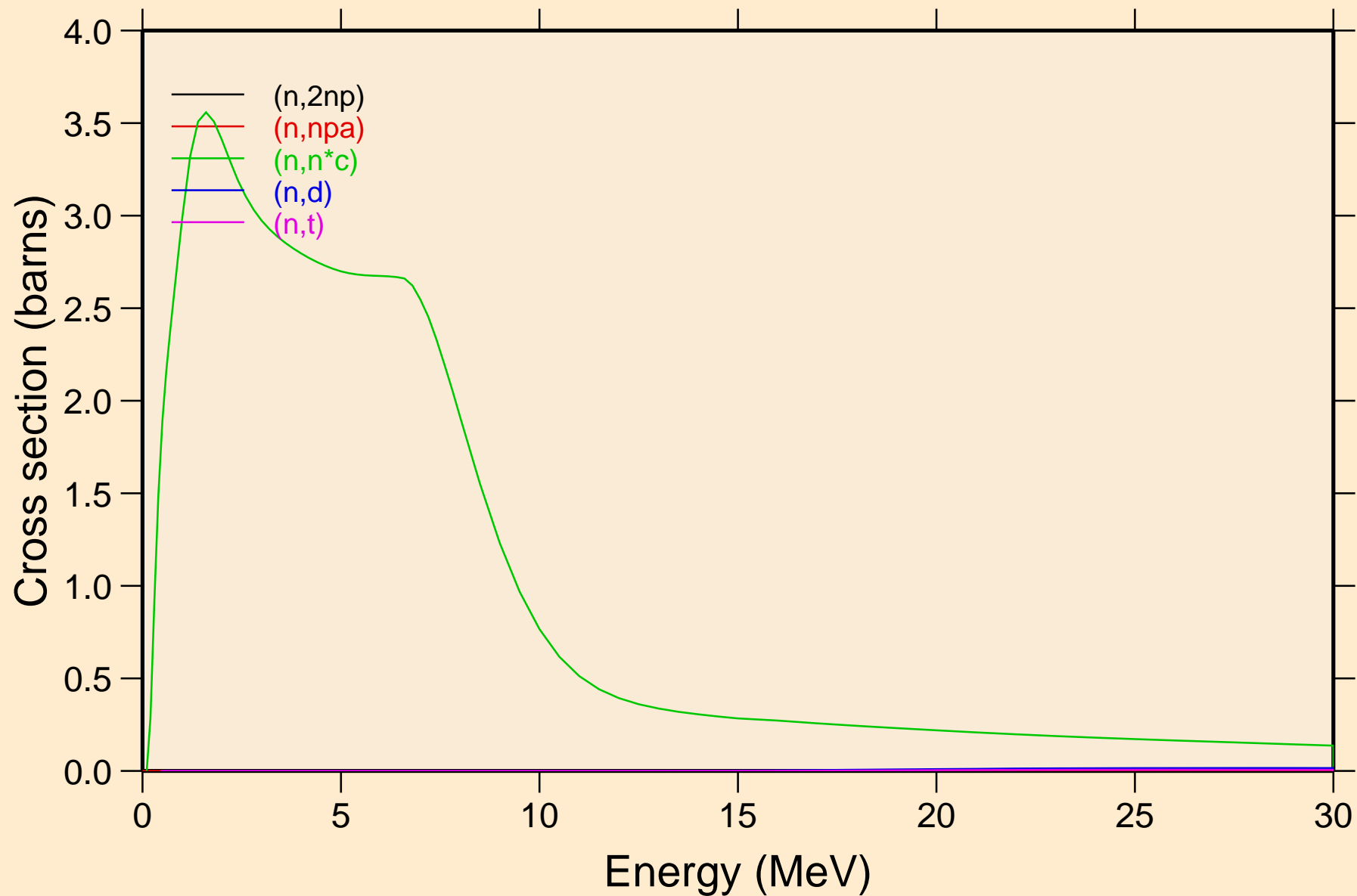
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



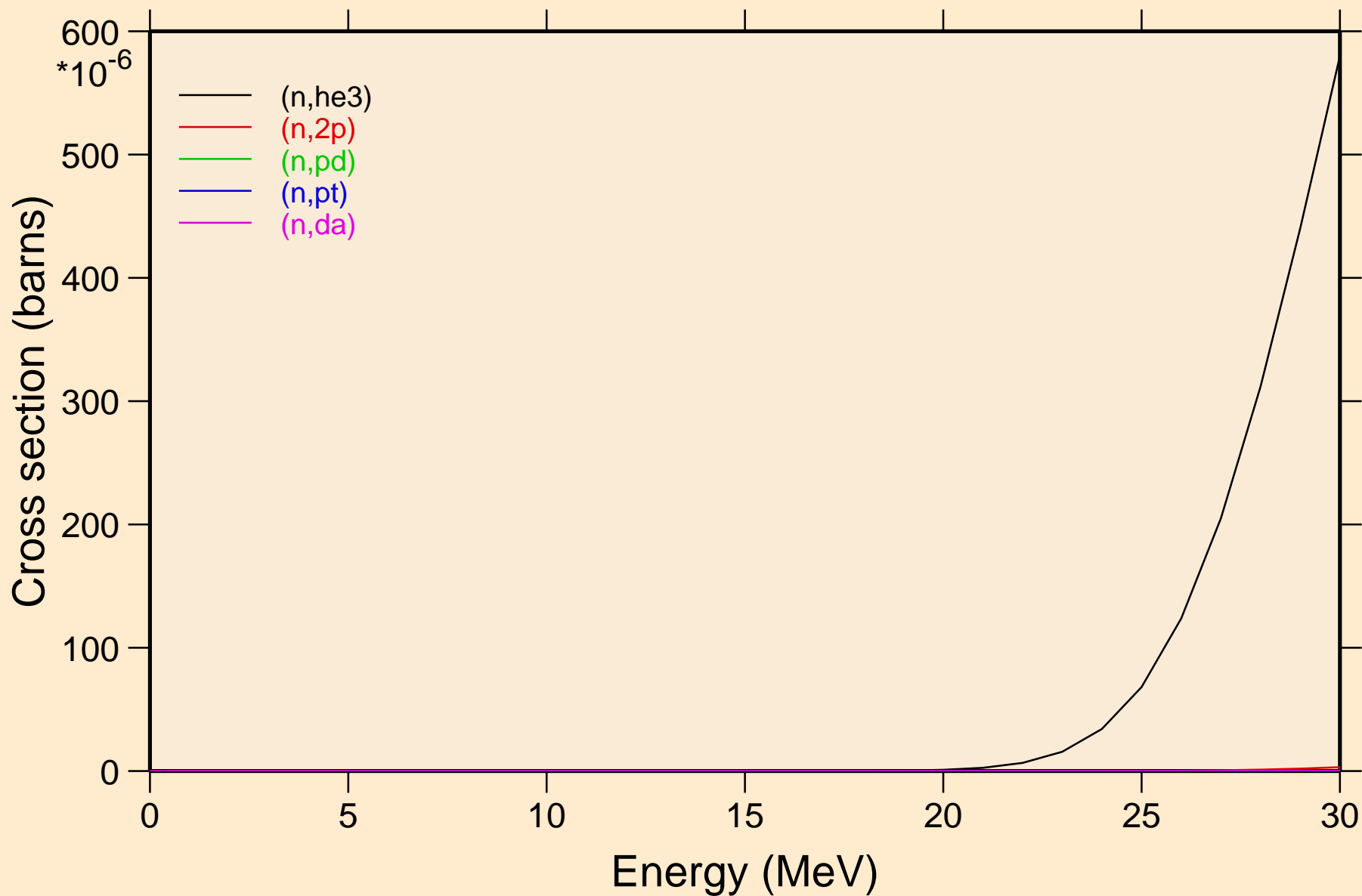
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

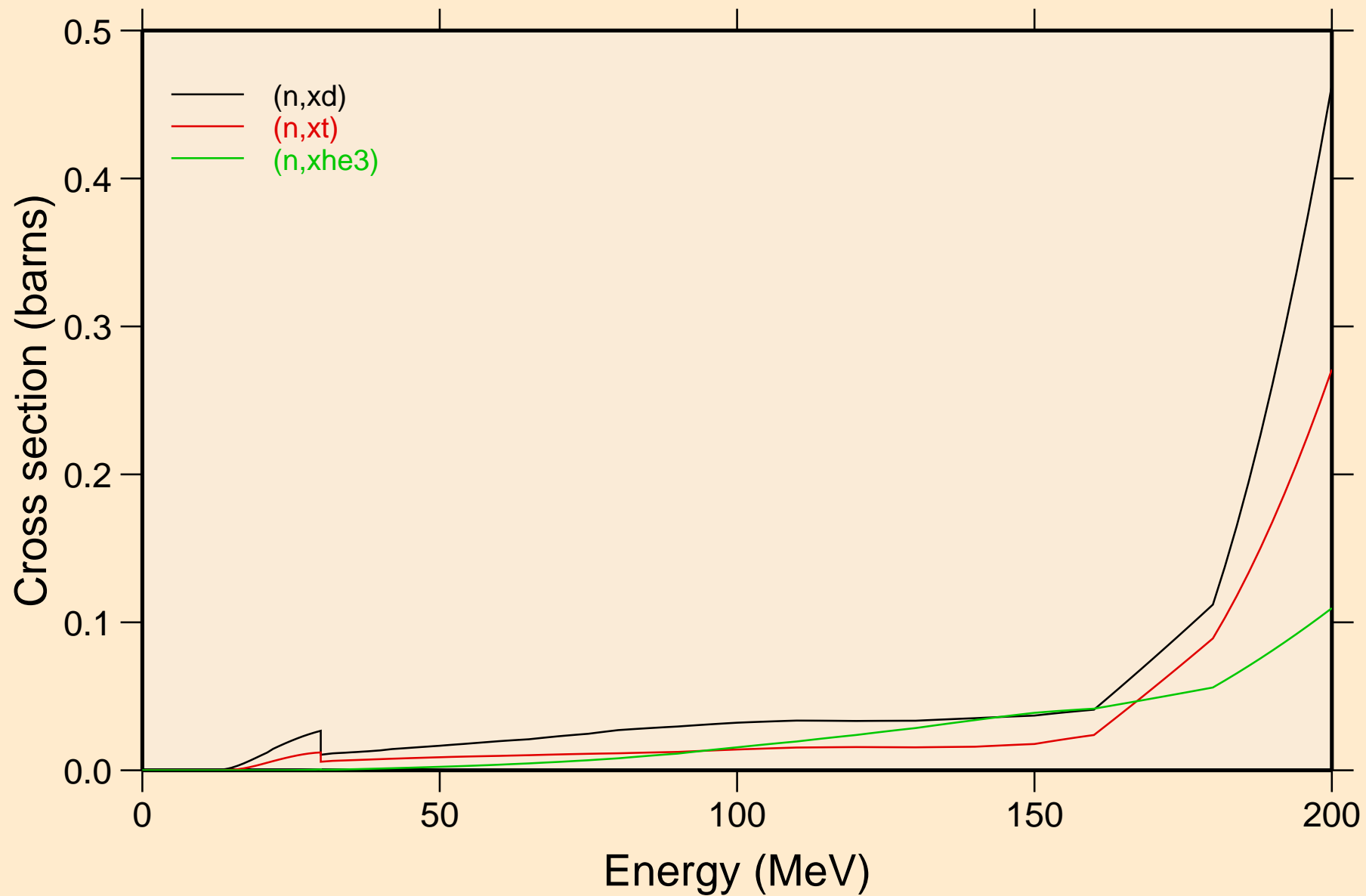


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



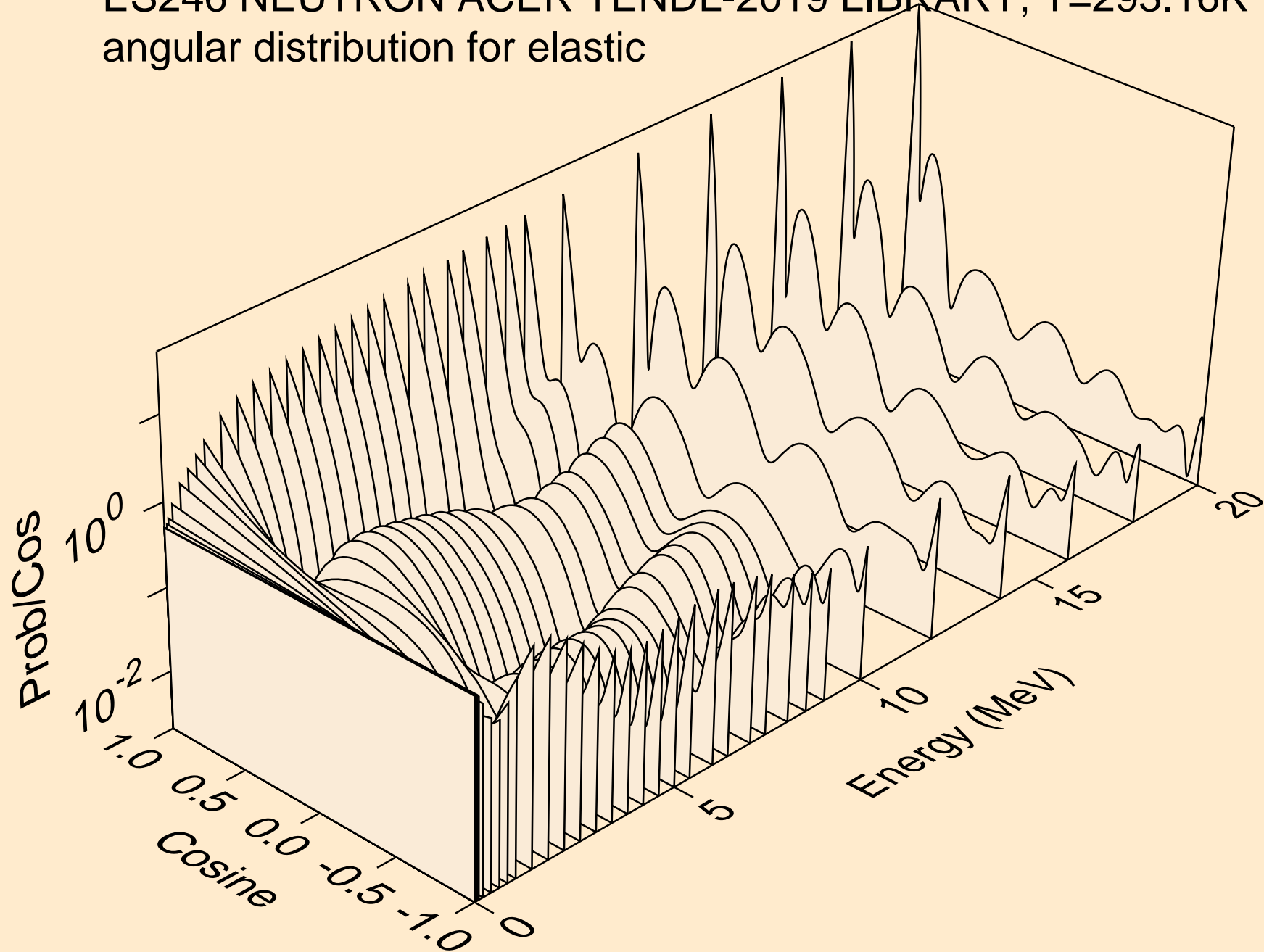
# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

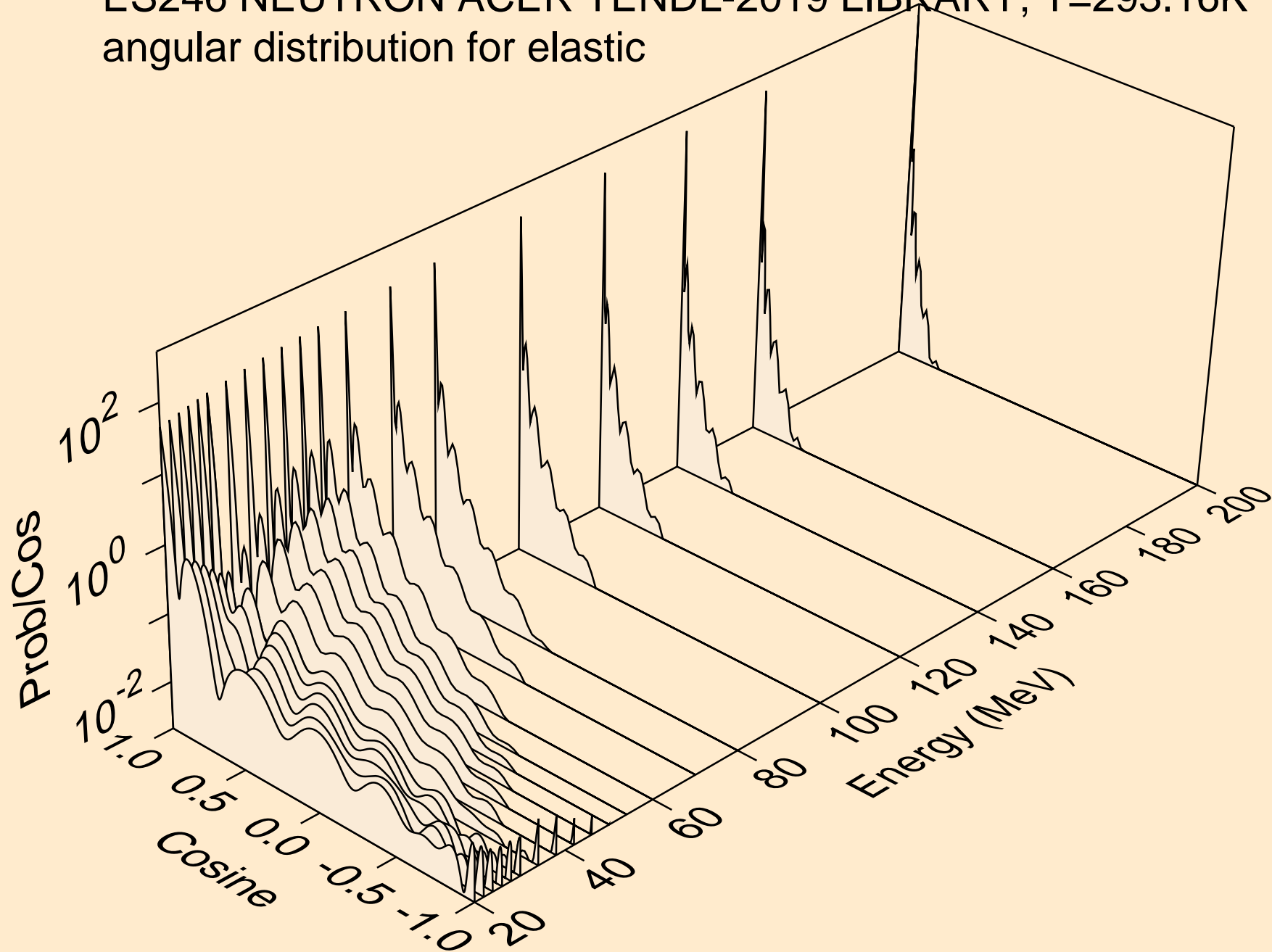




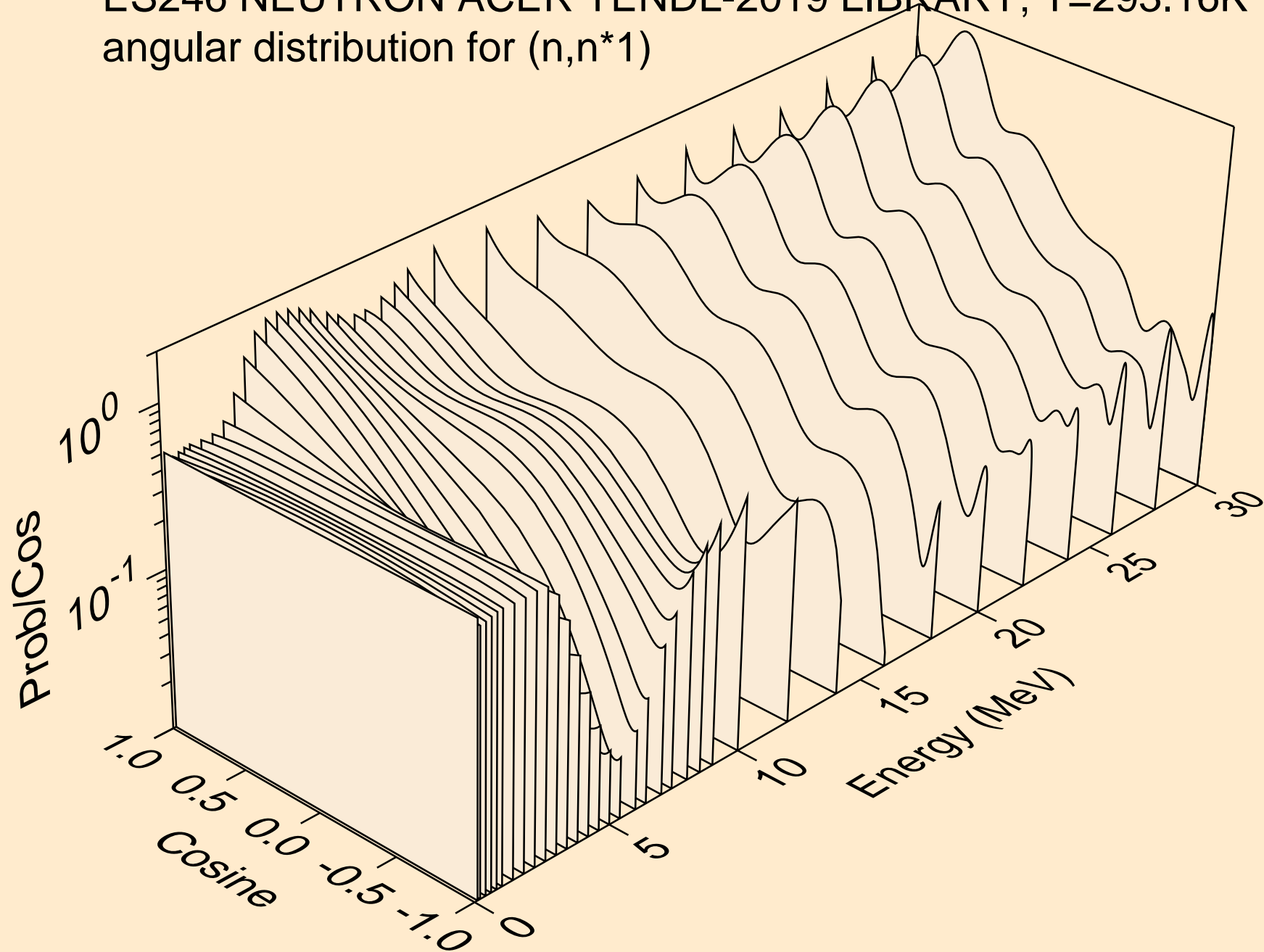
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



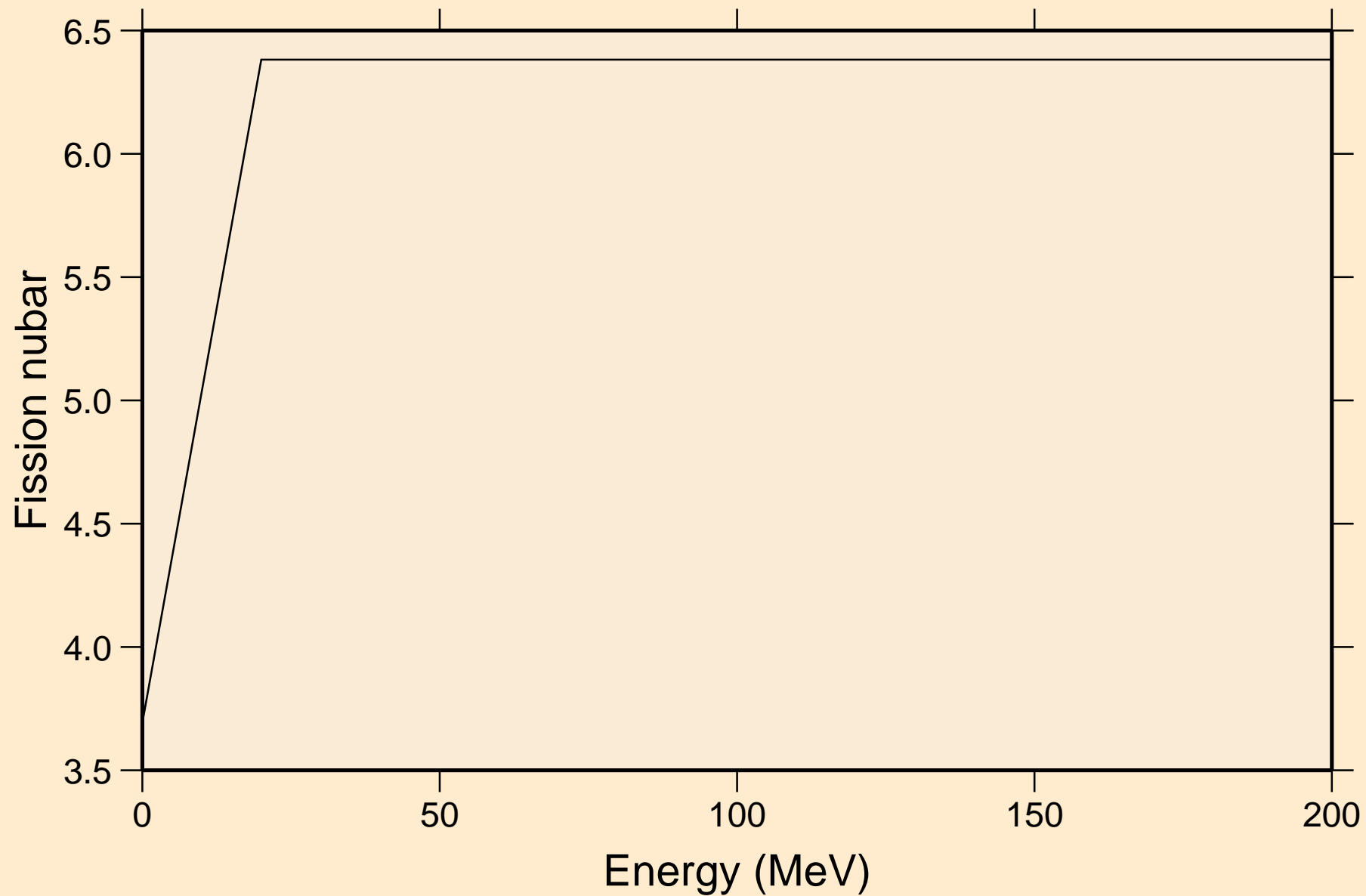
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



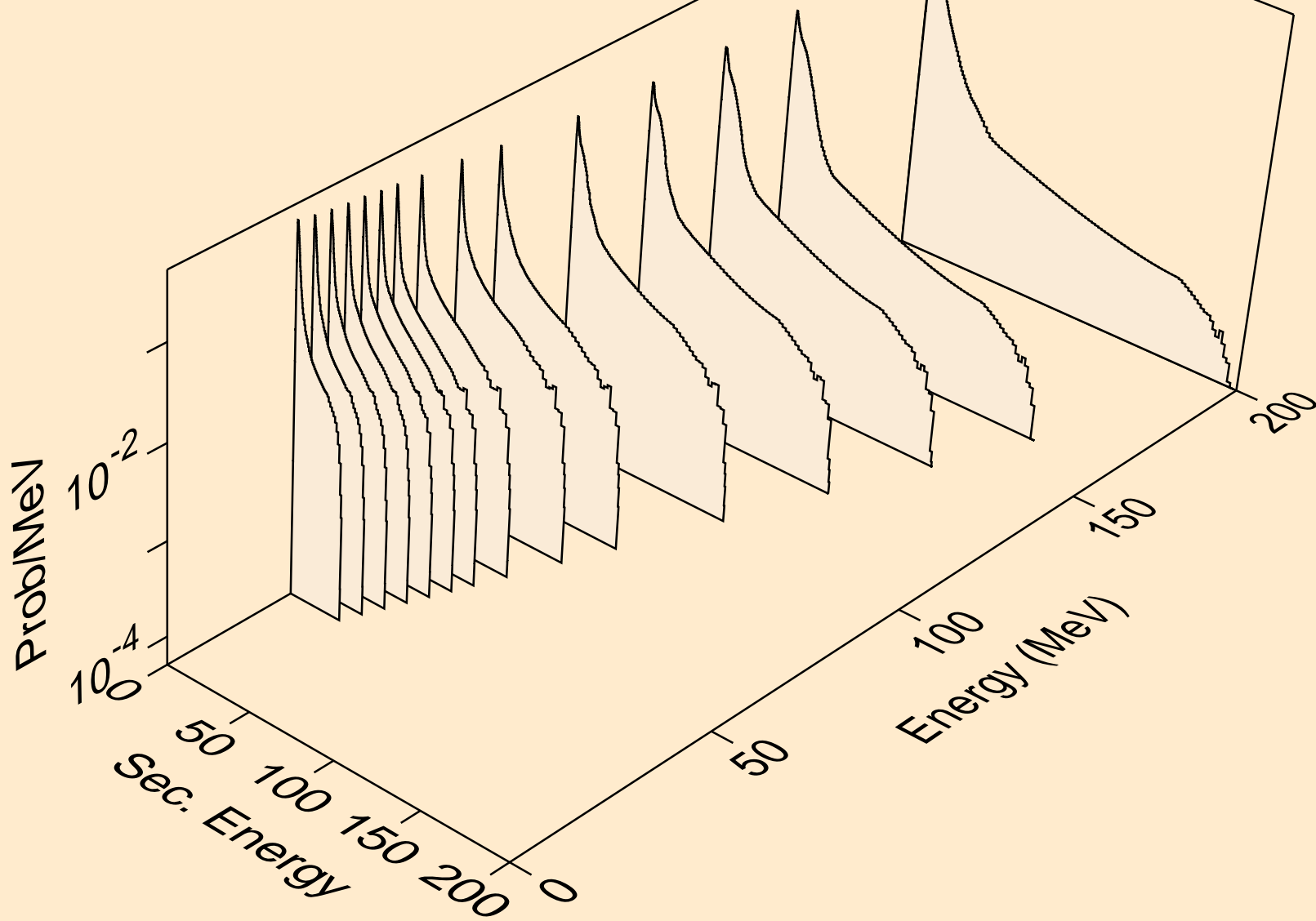
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



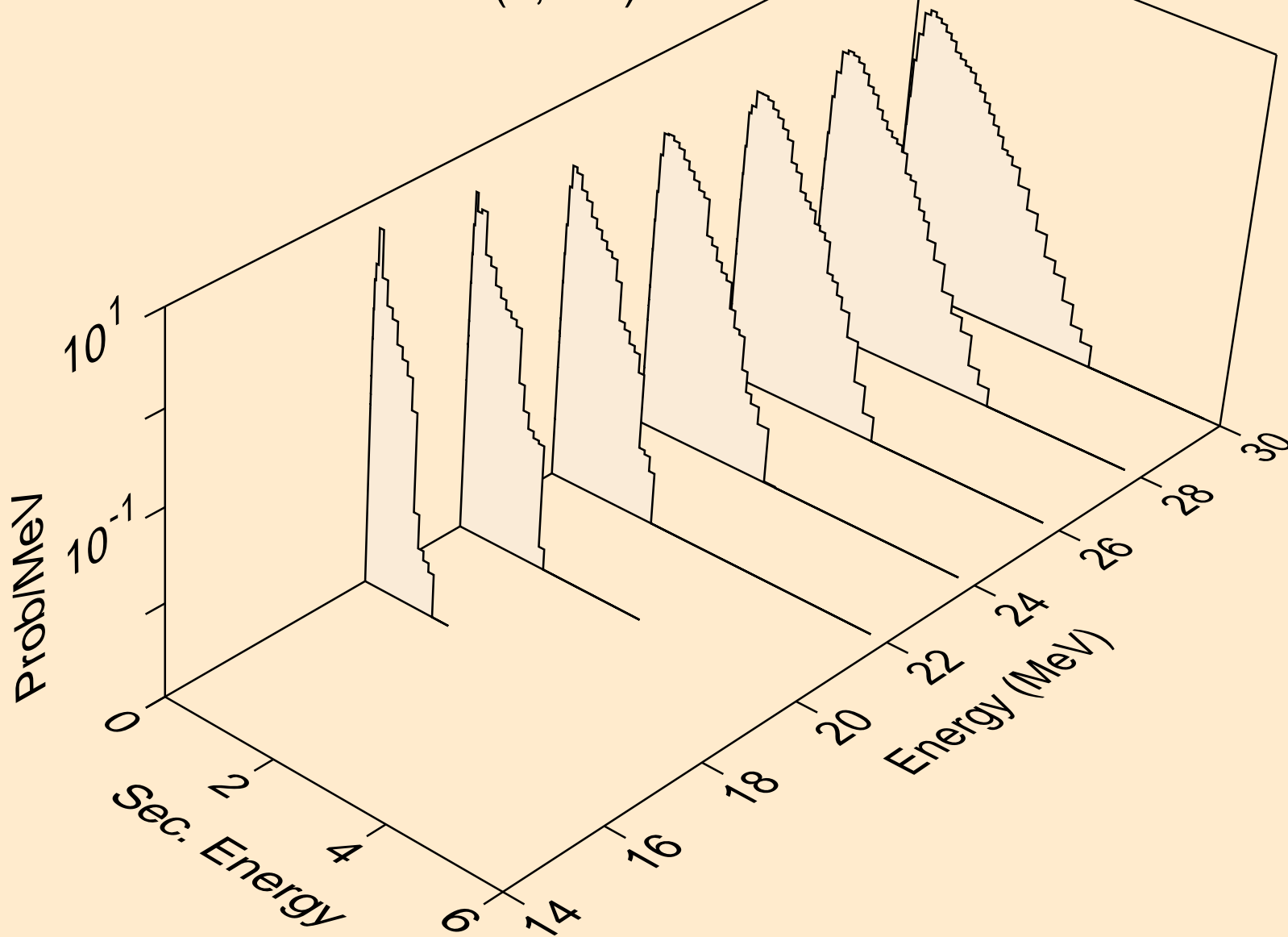
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



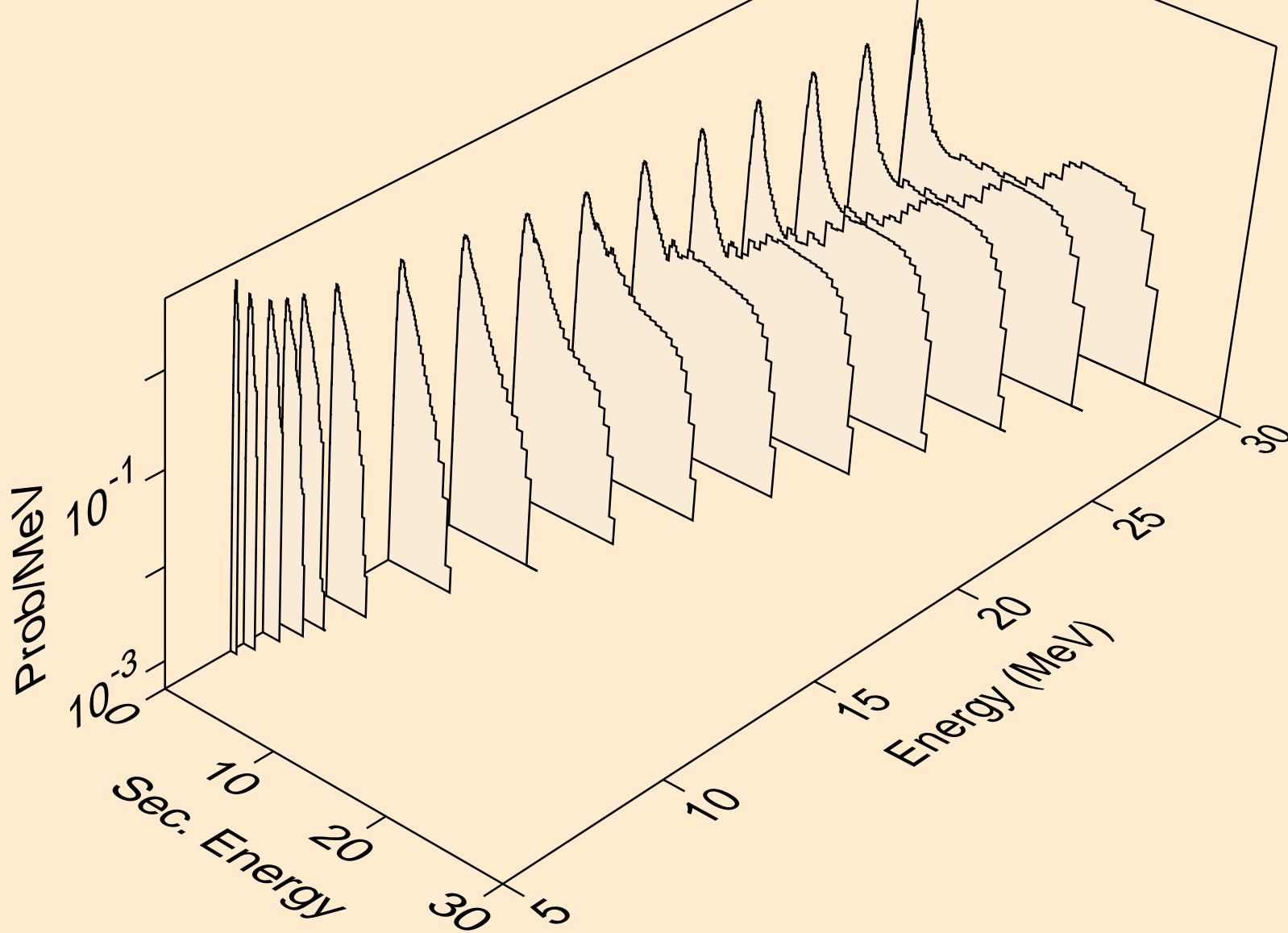
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



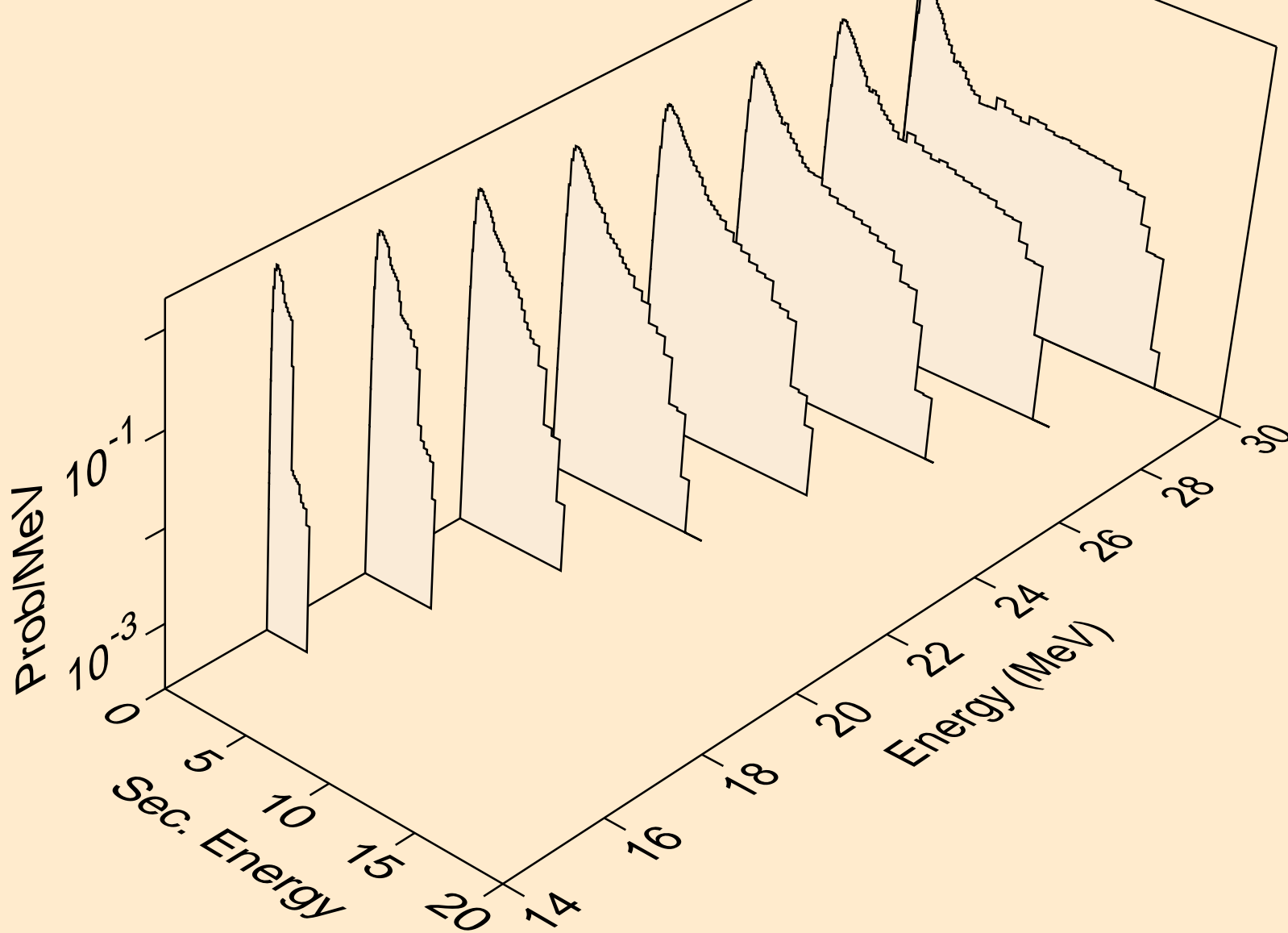
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

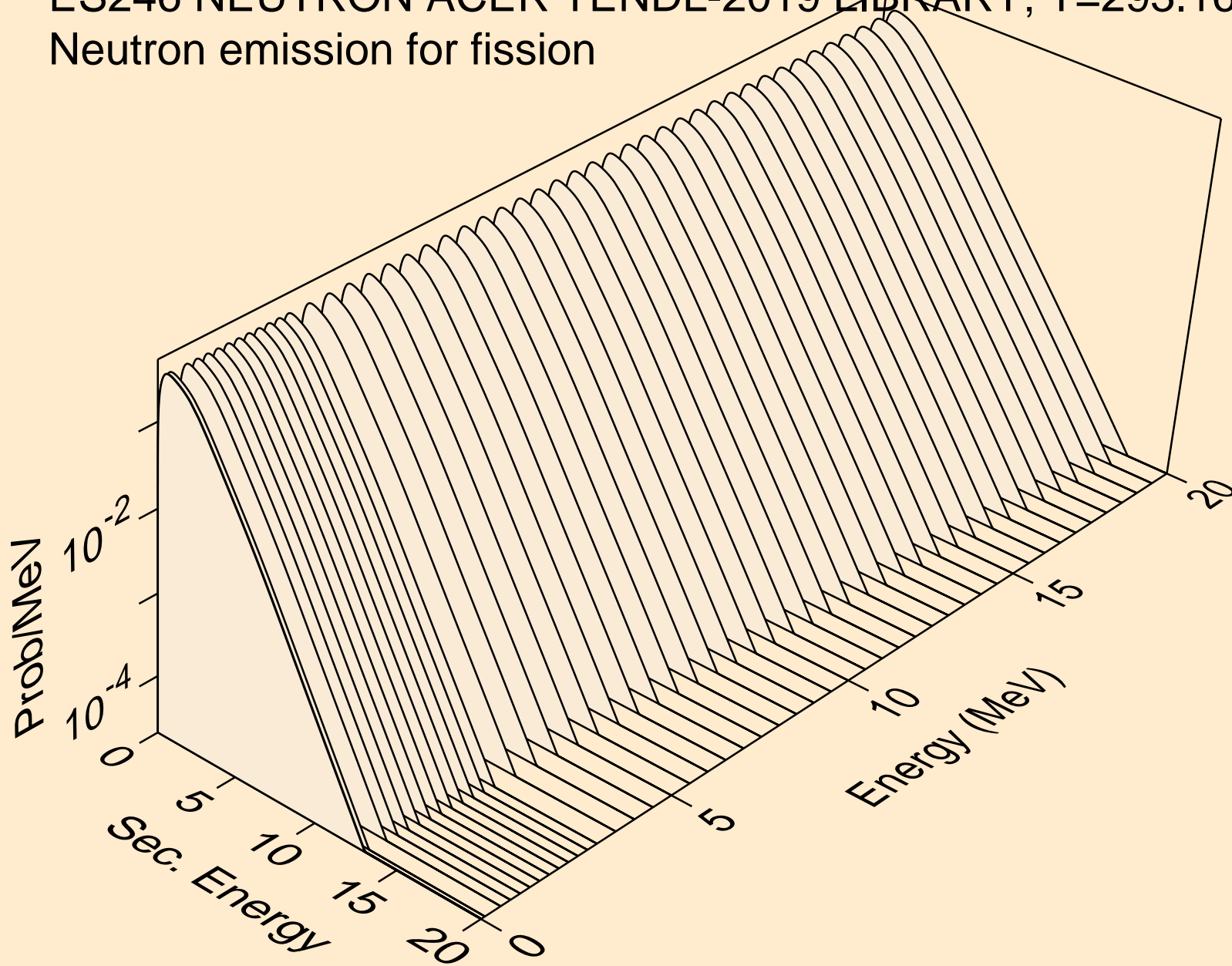


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

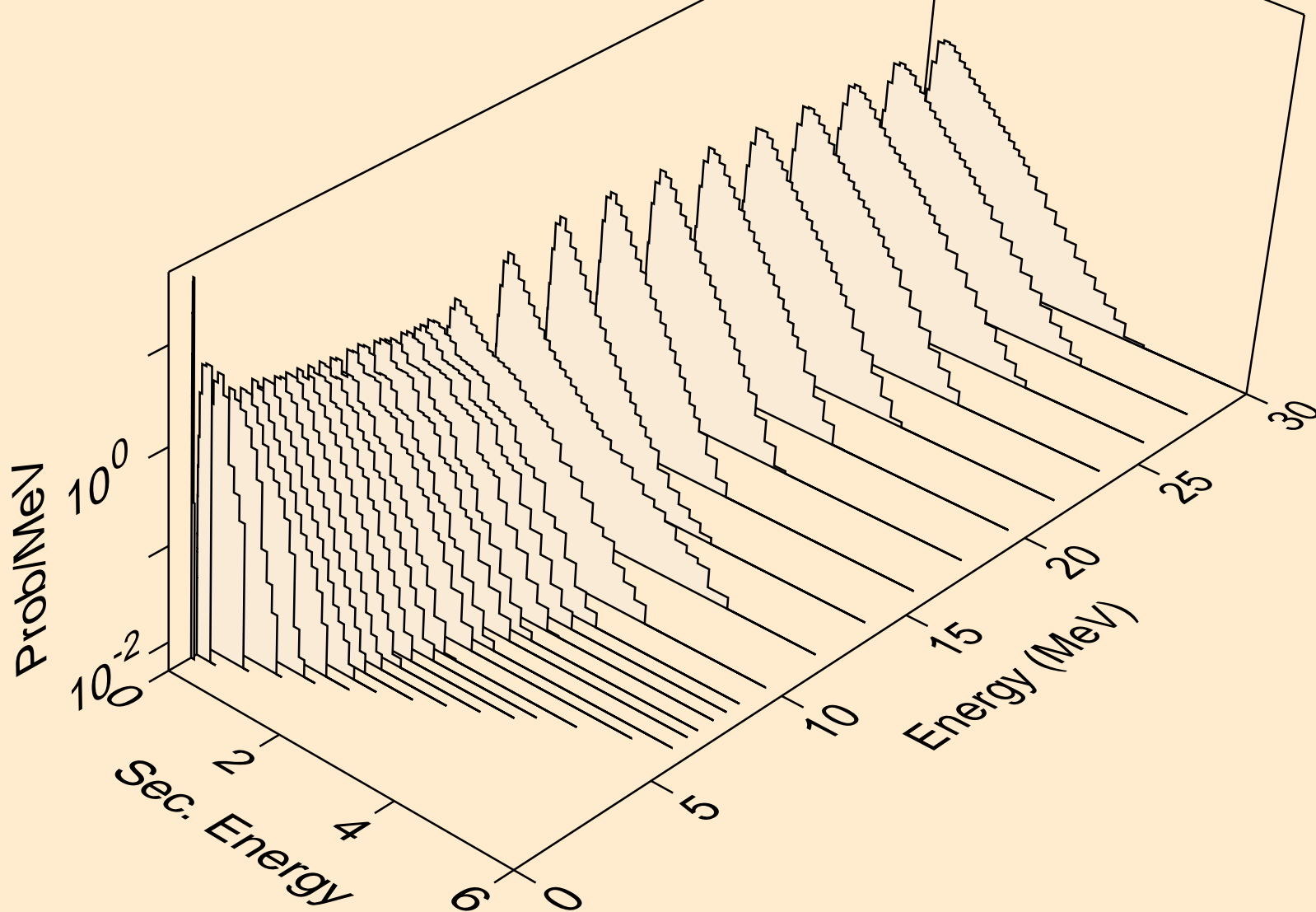




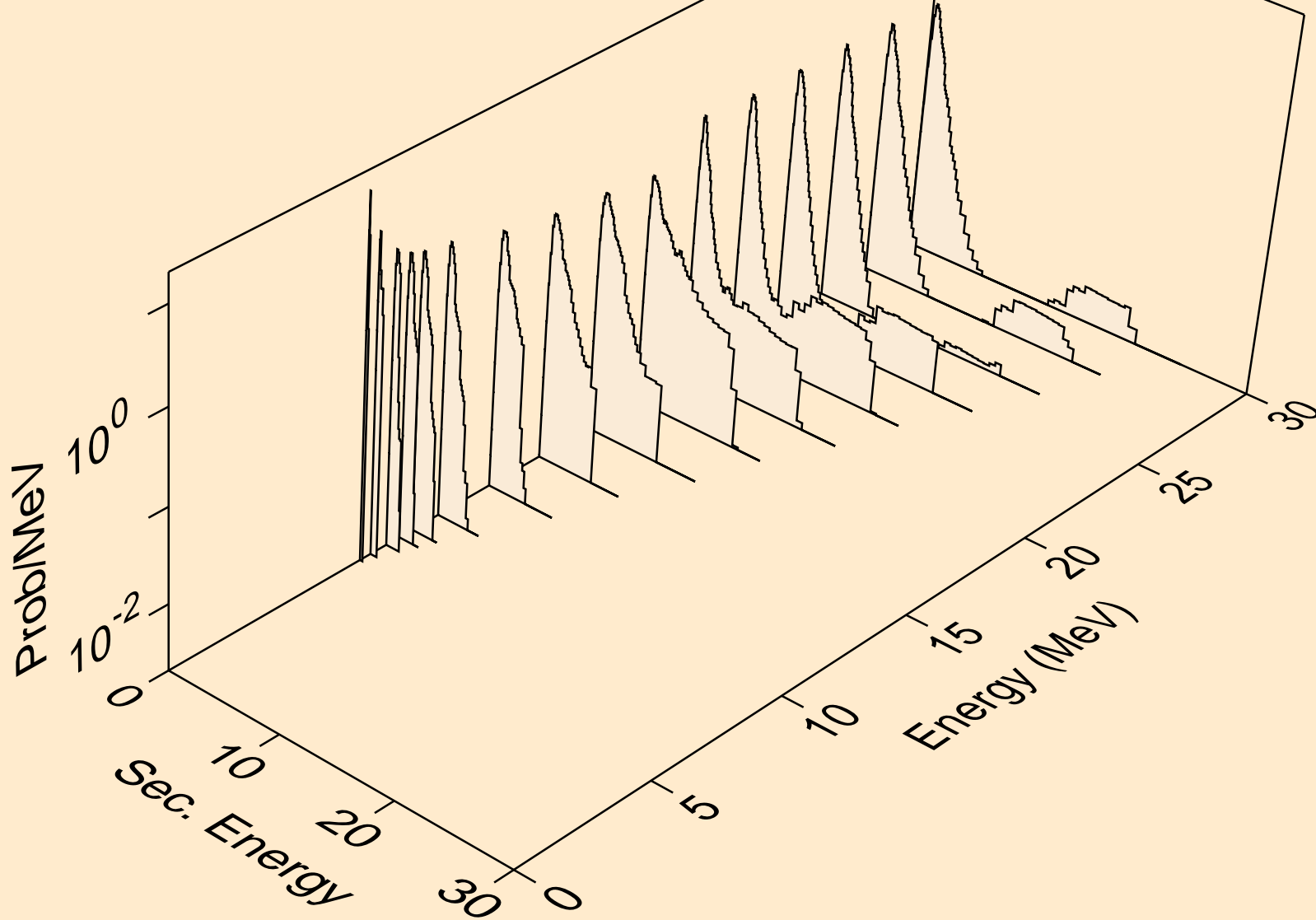
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Neutron emission for fission



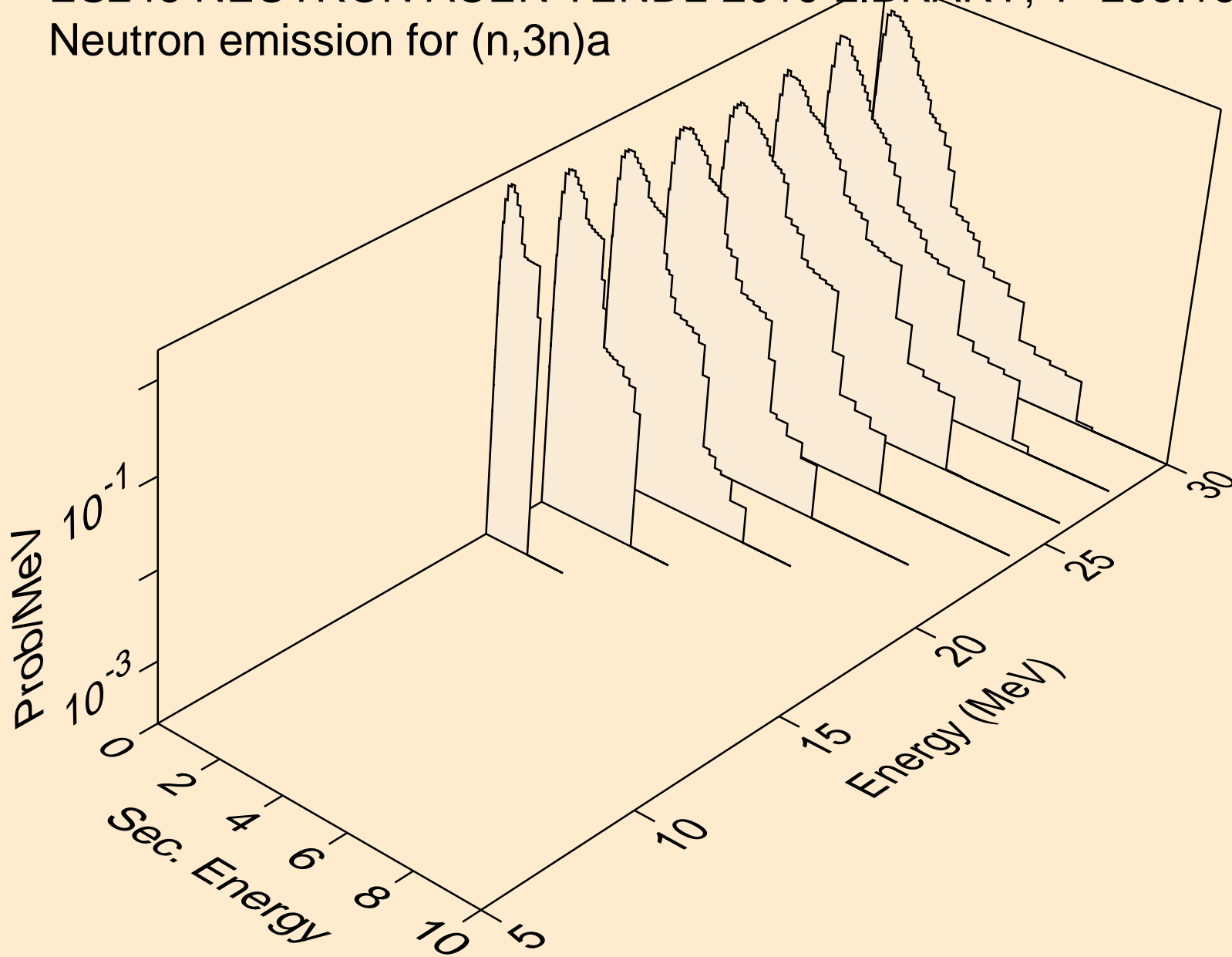
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



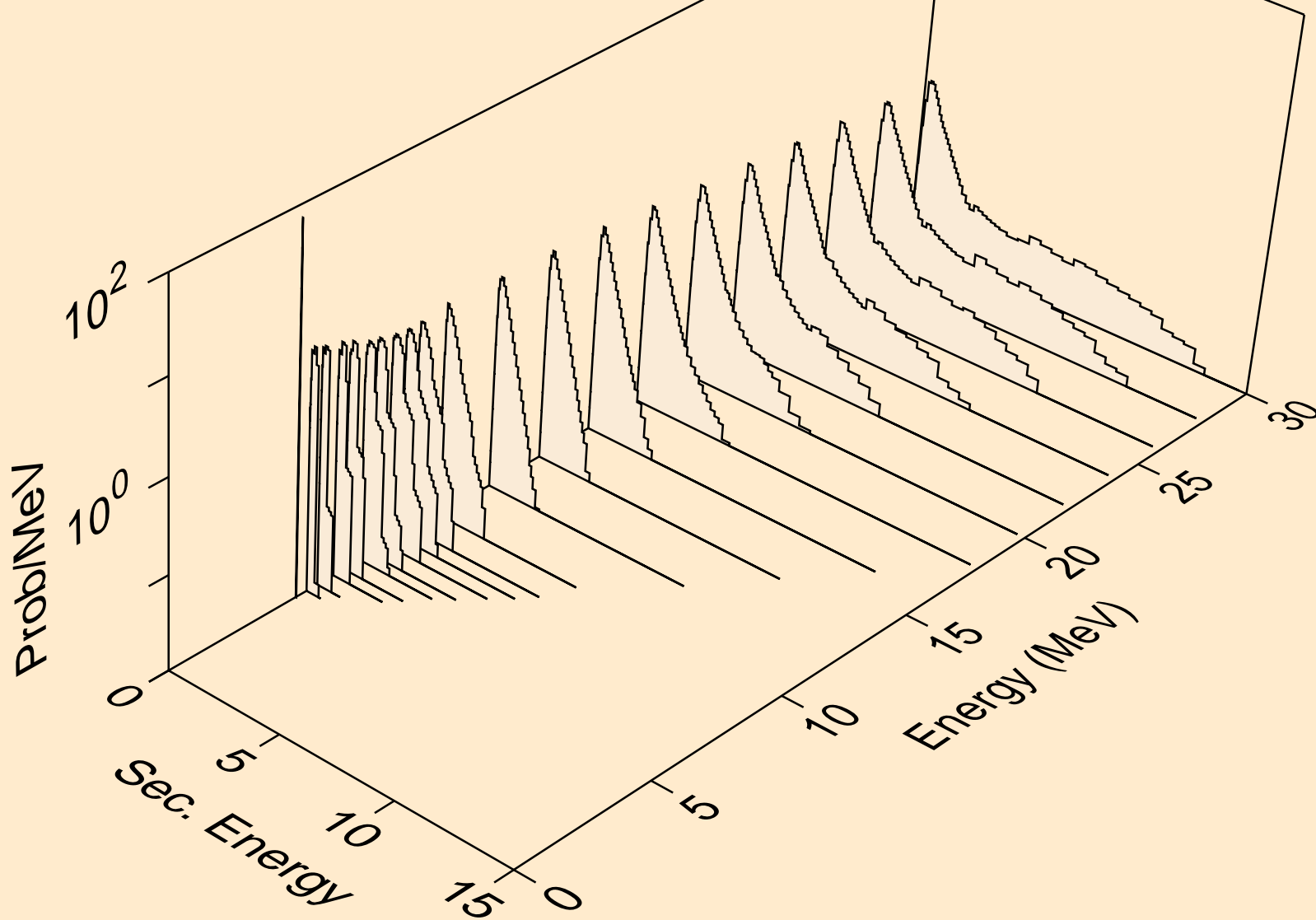
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Neutron emission for (n,2n)a



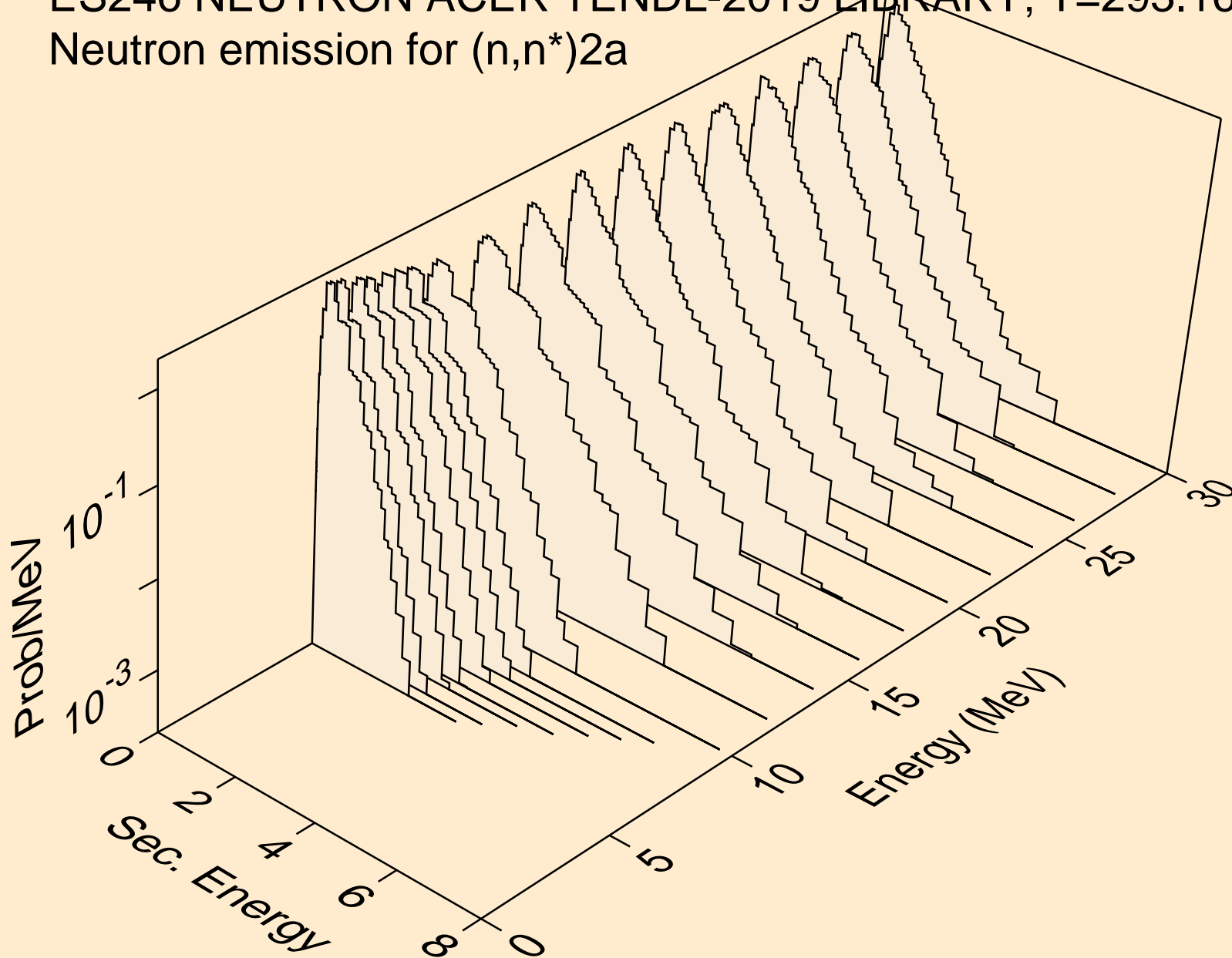
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Neutron emission for (n,3n)a



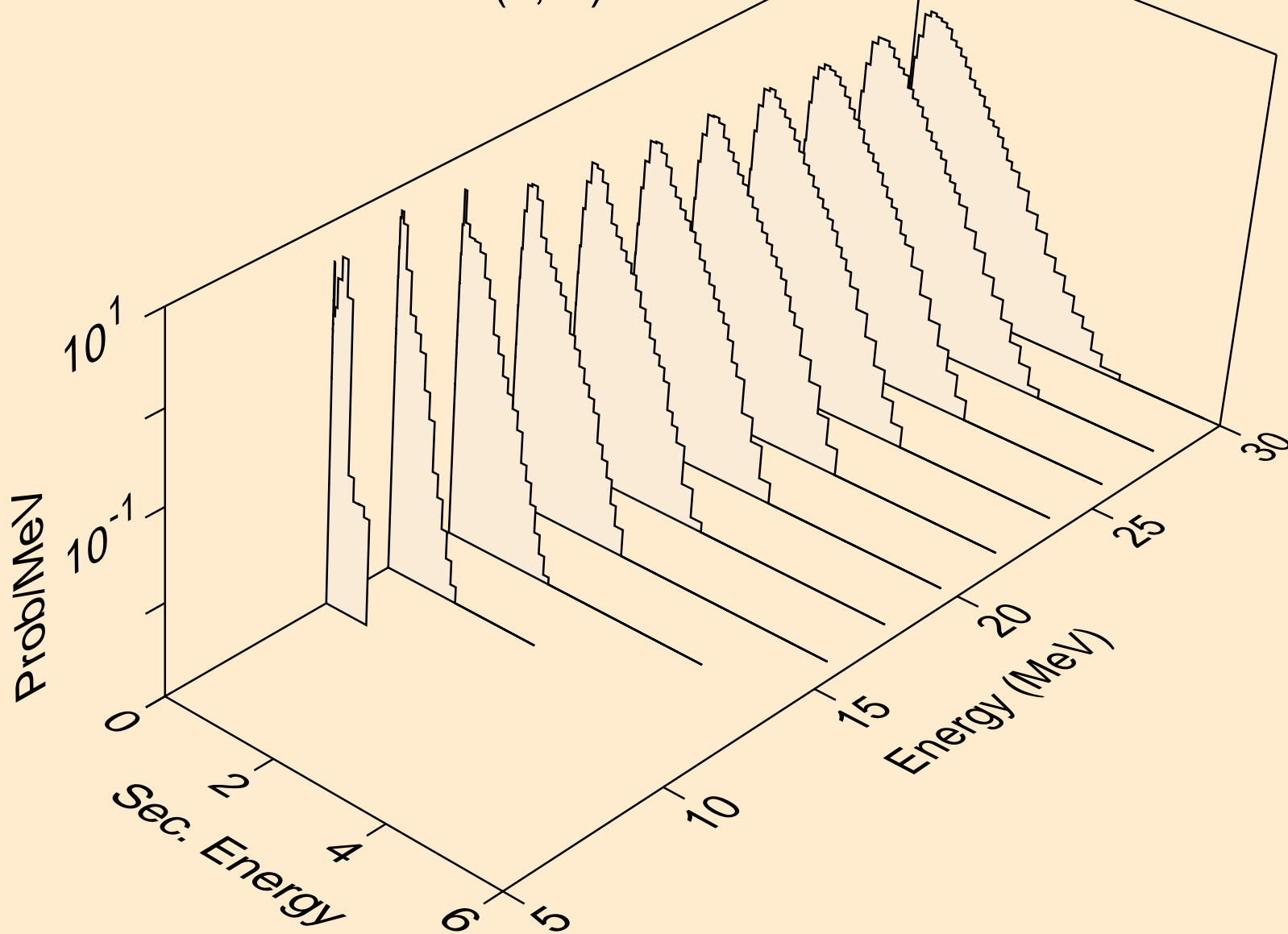
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



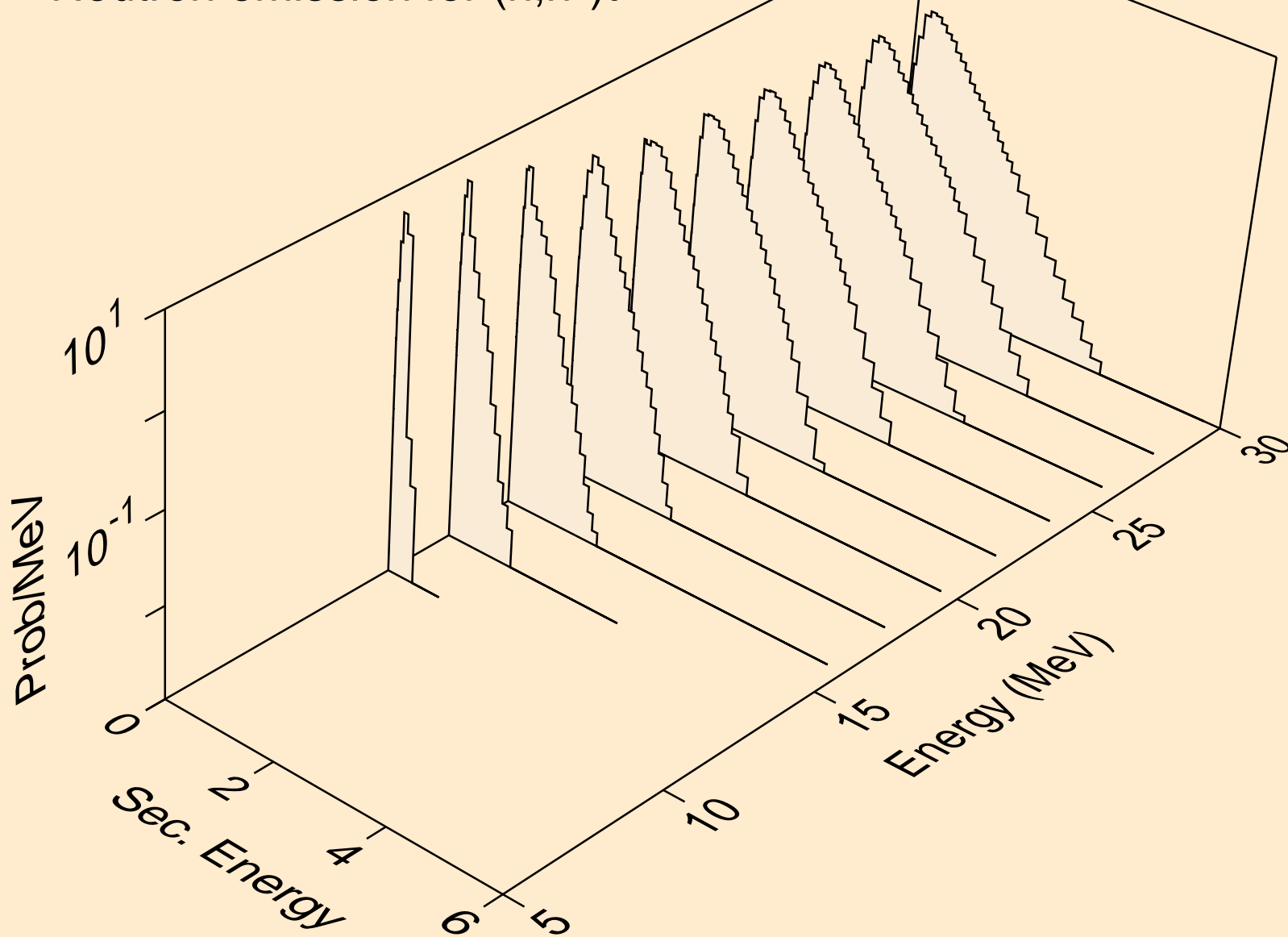
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

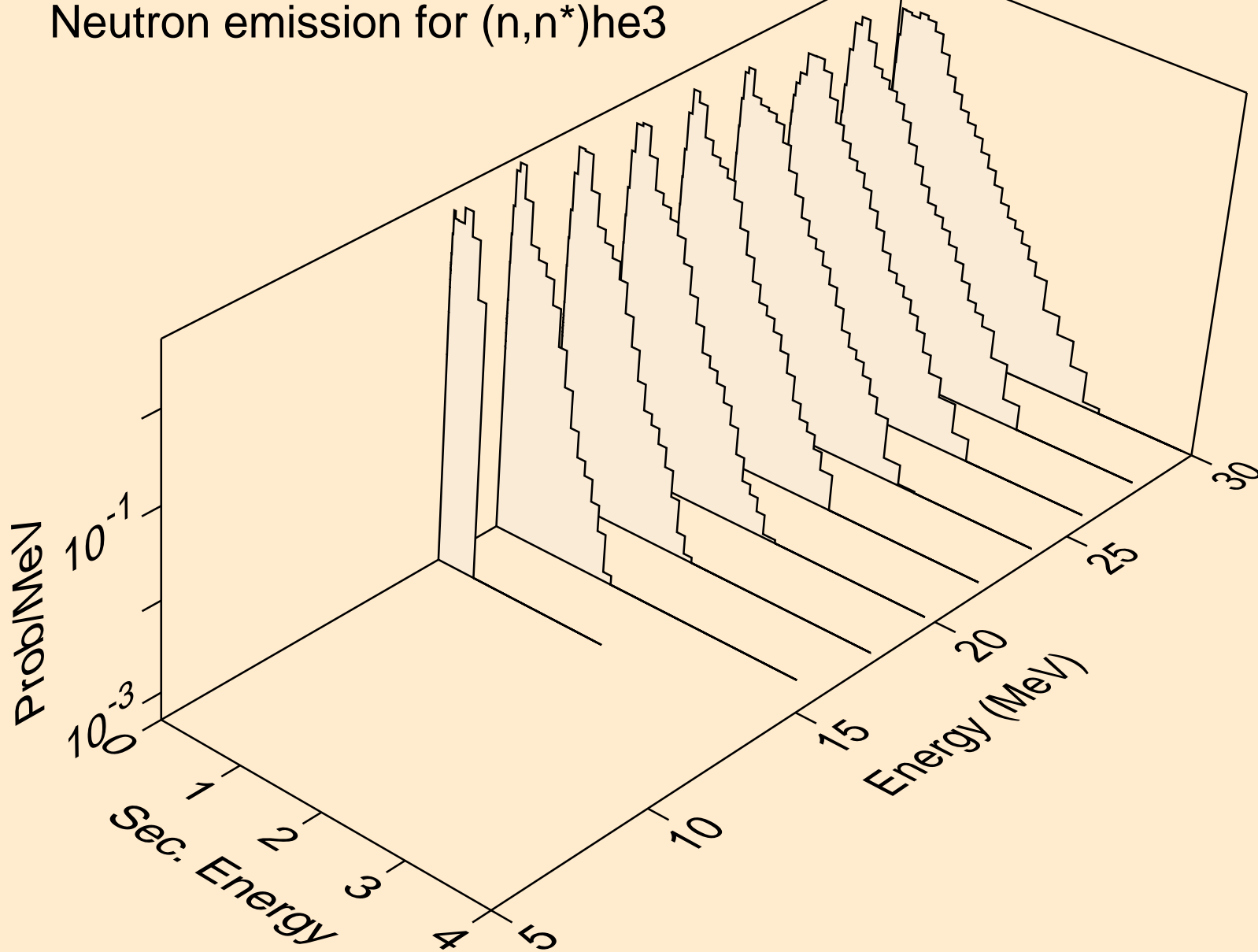


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

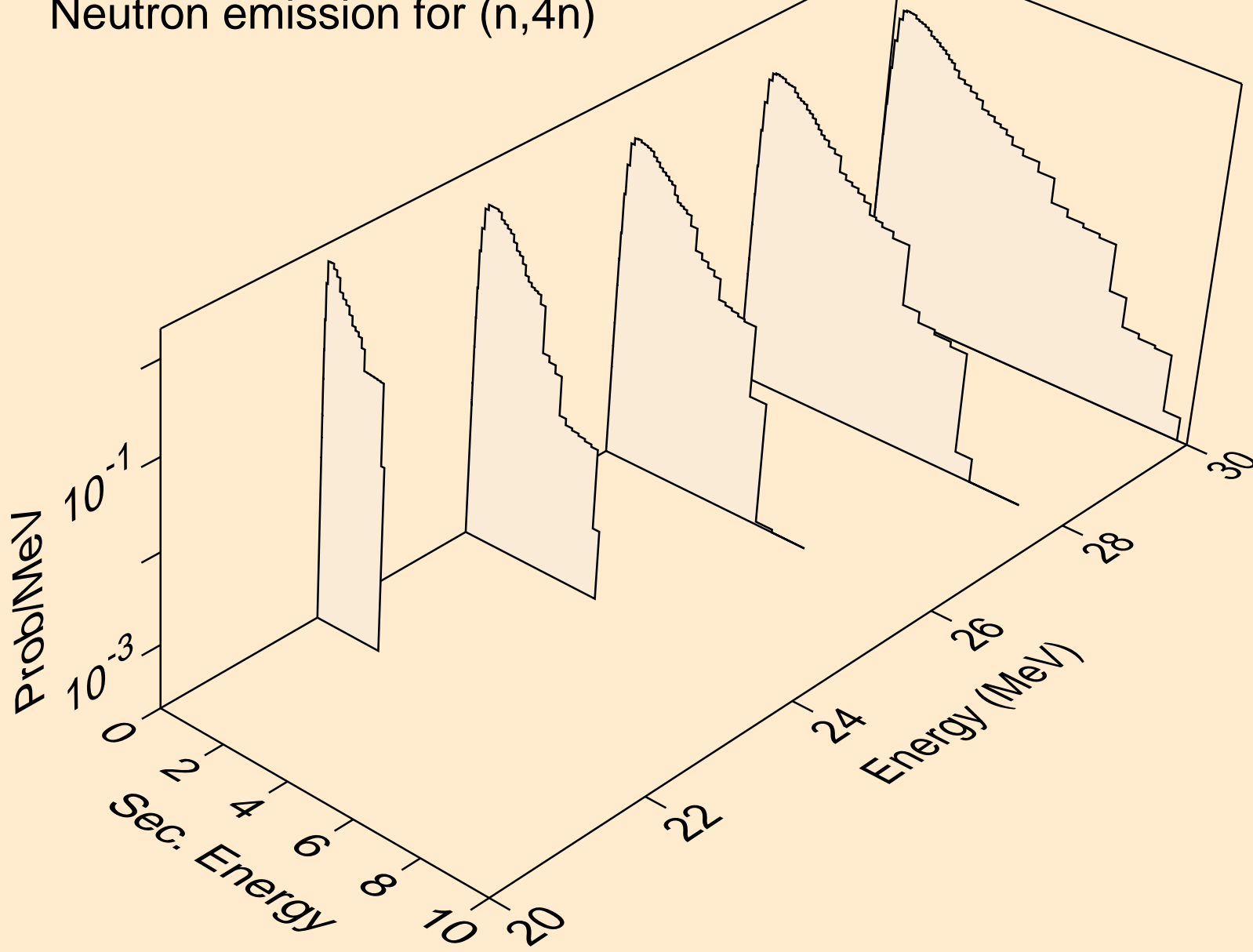




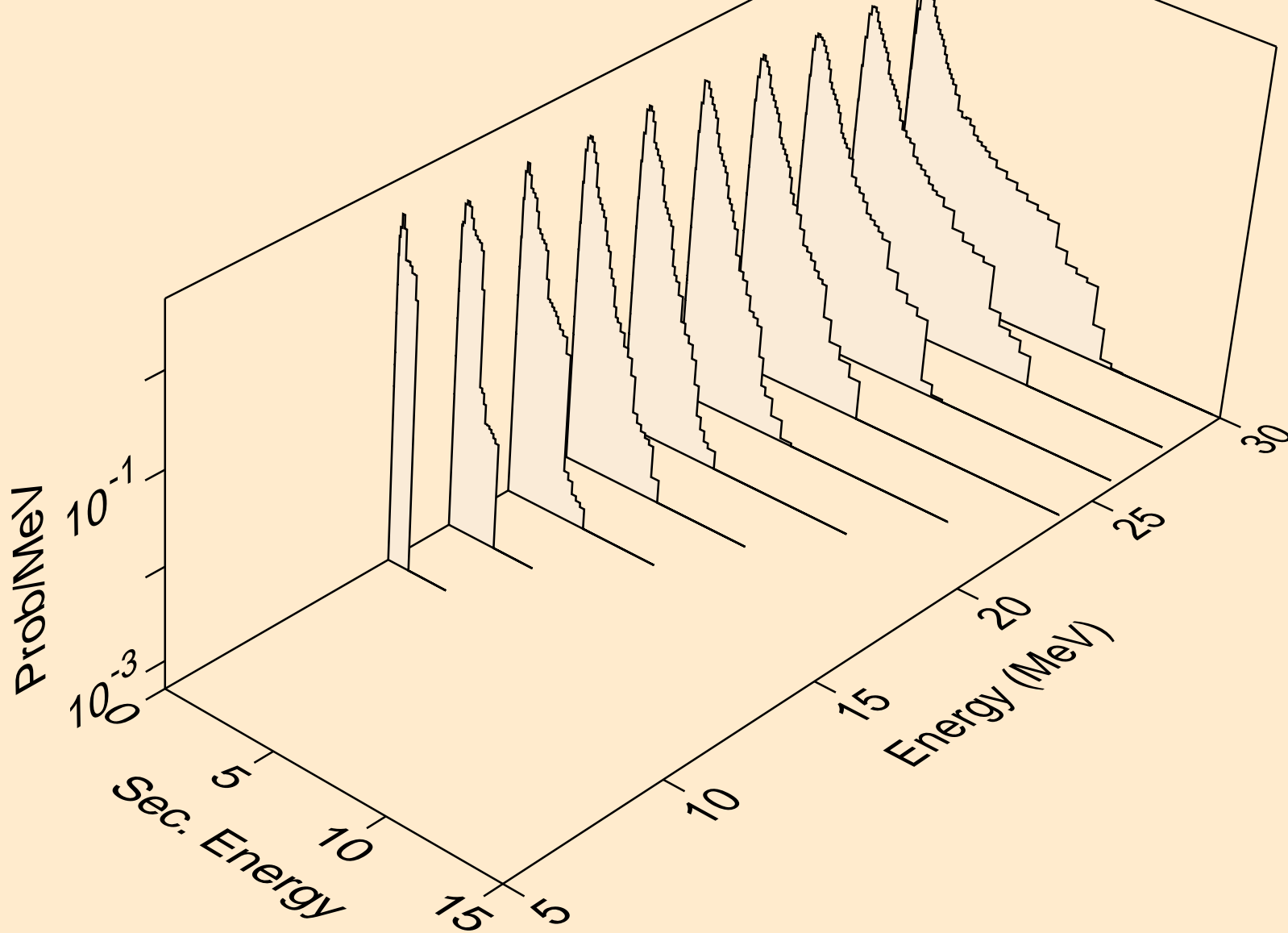
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



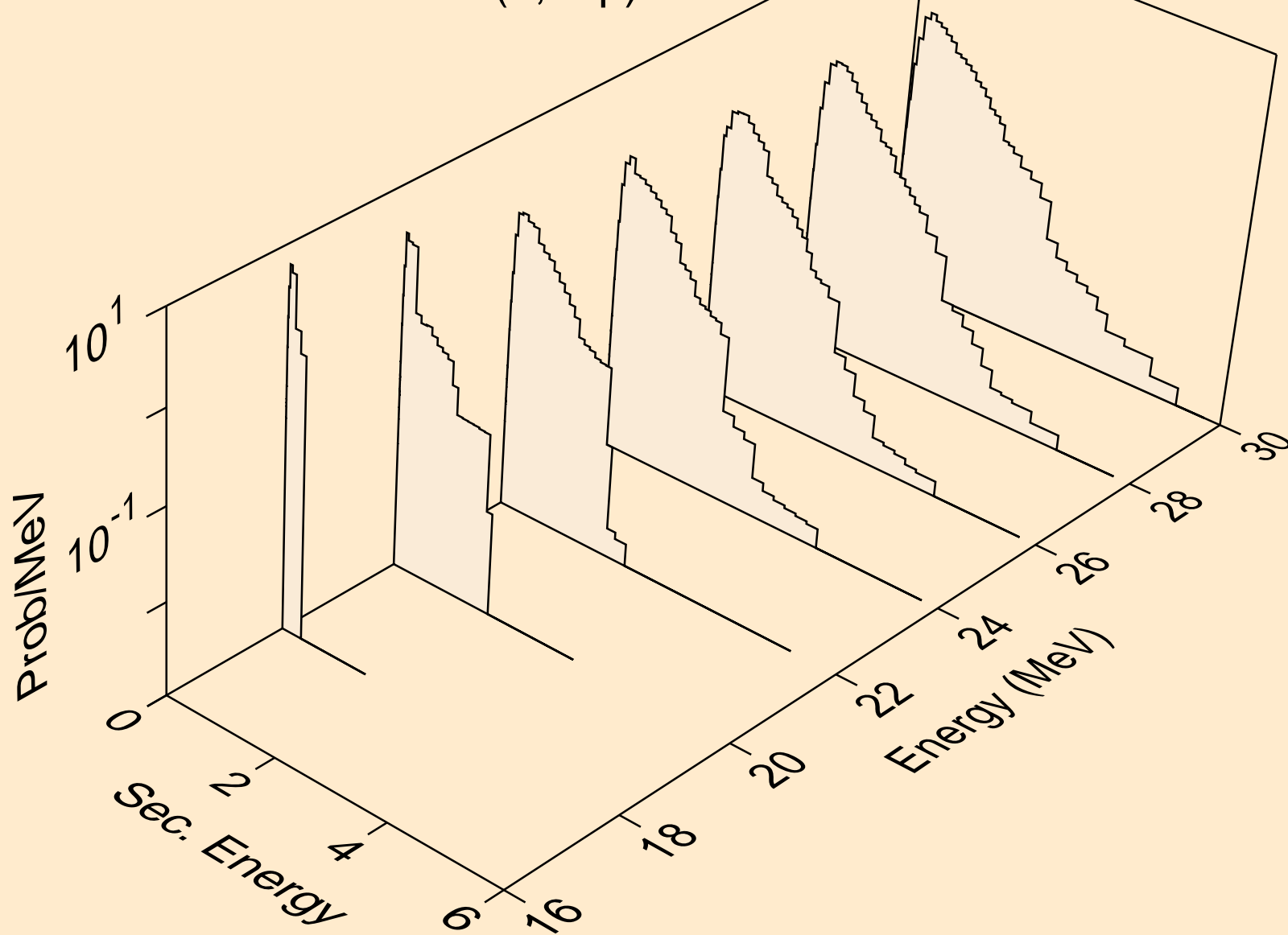
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



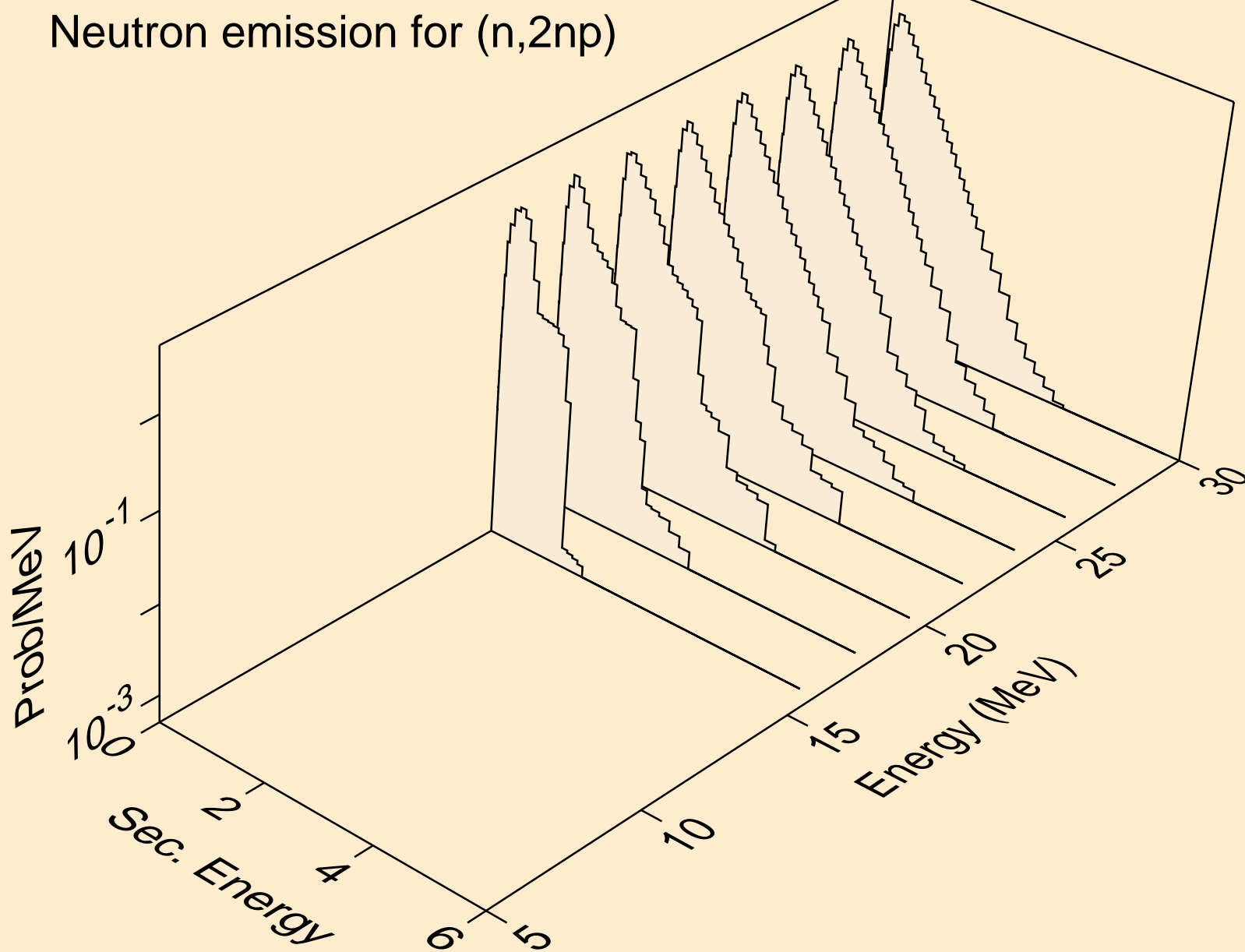
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



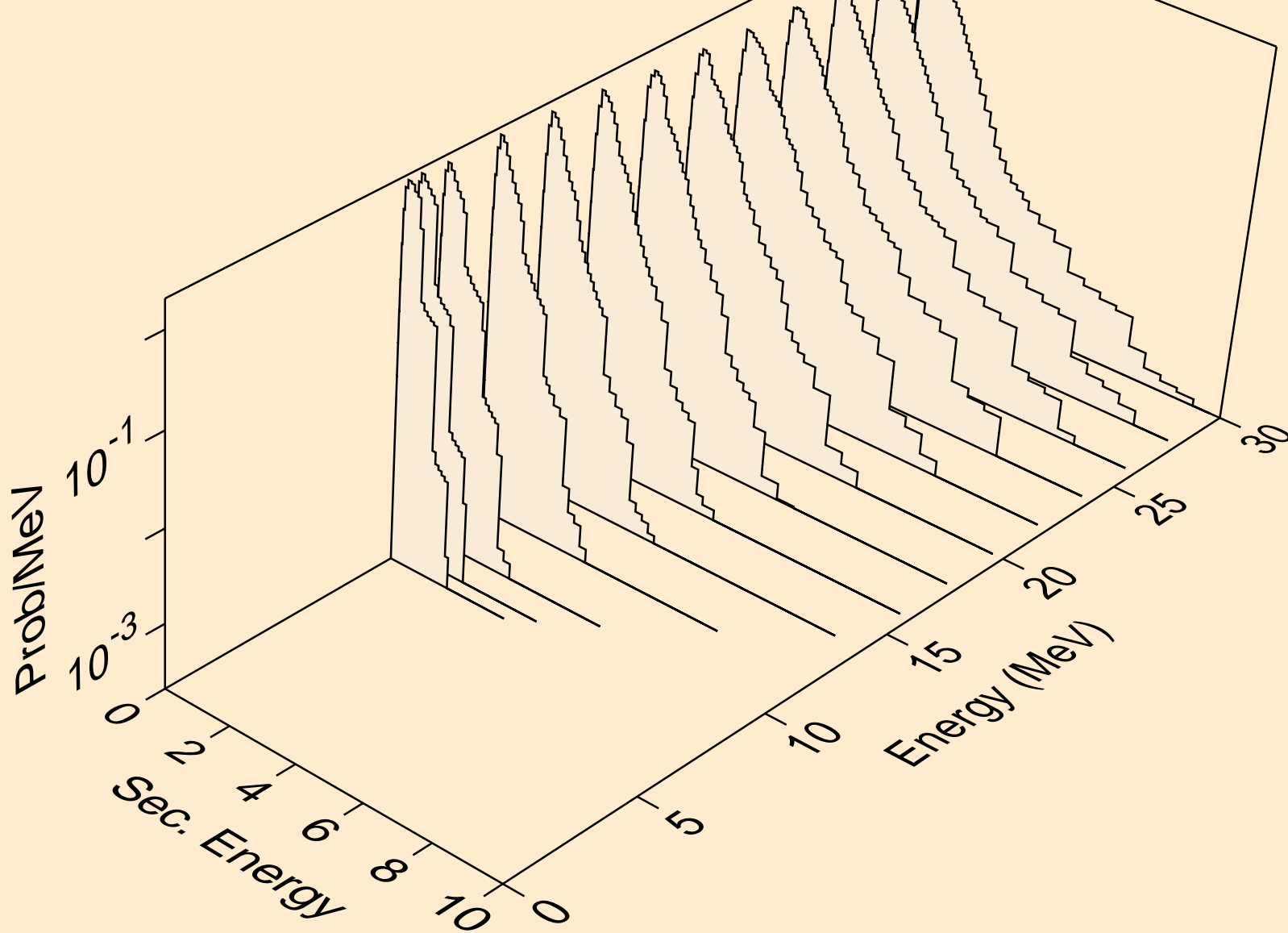
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Neutron emission for (n,3np)



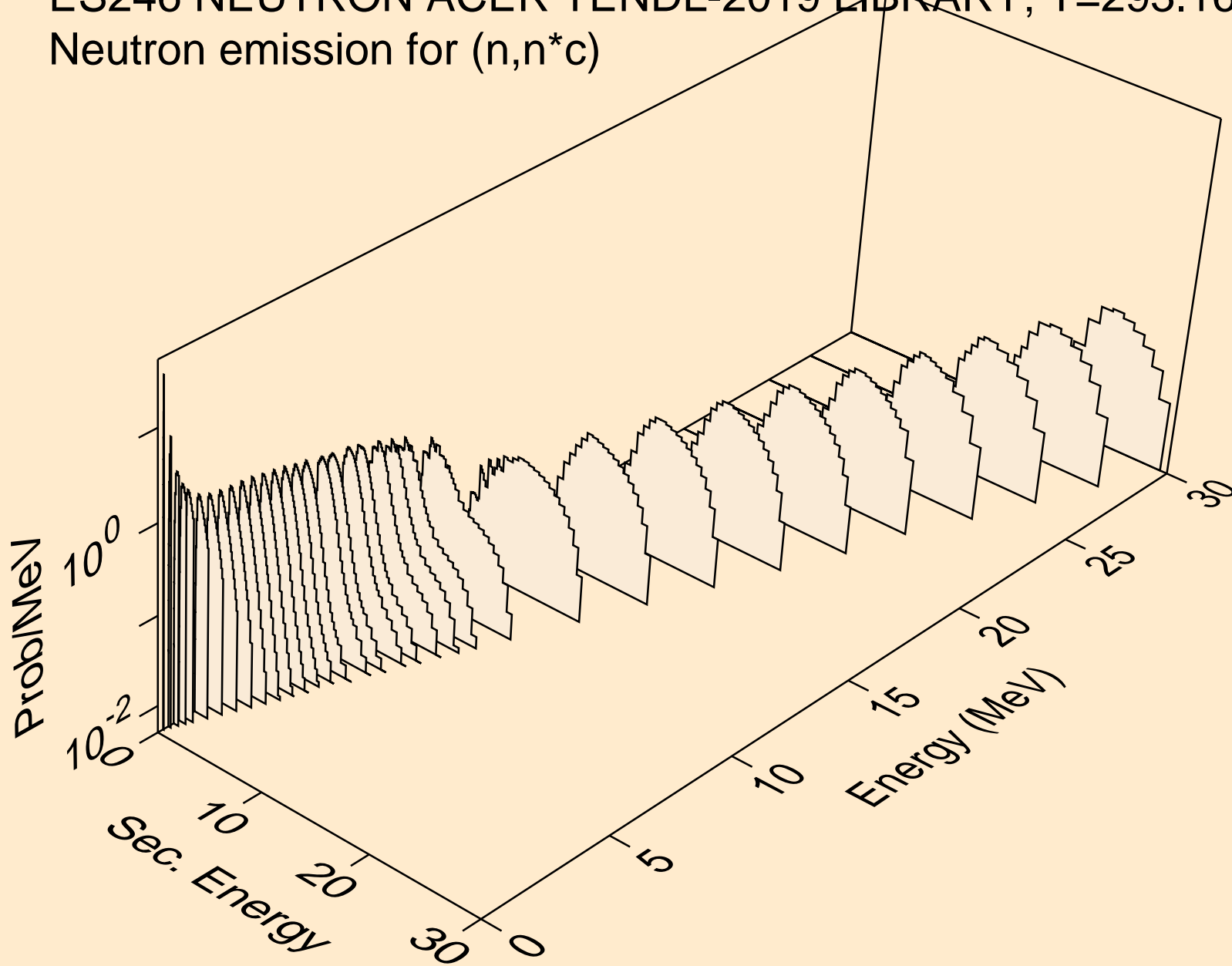
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Neutron emission for (n,2np)



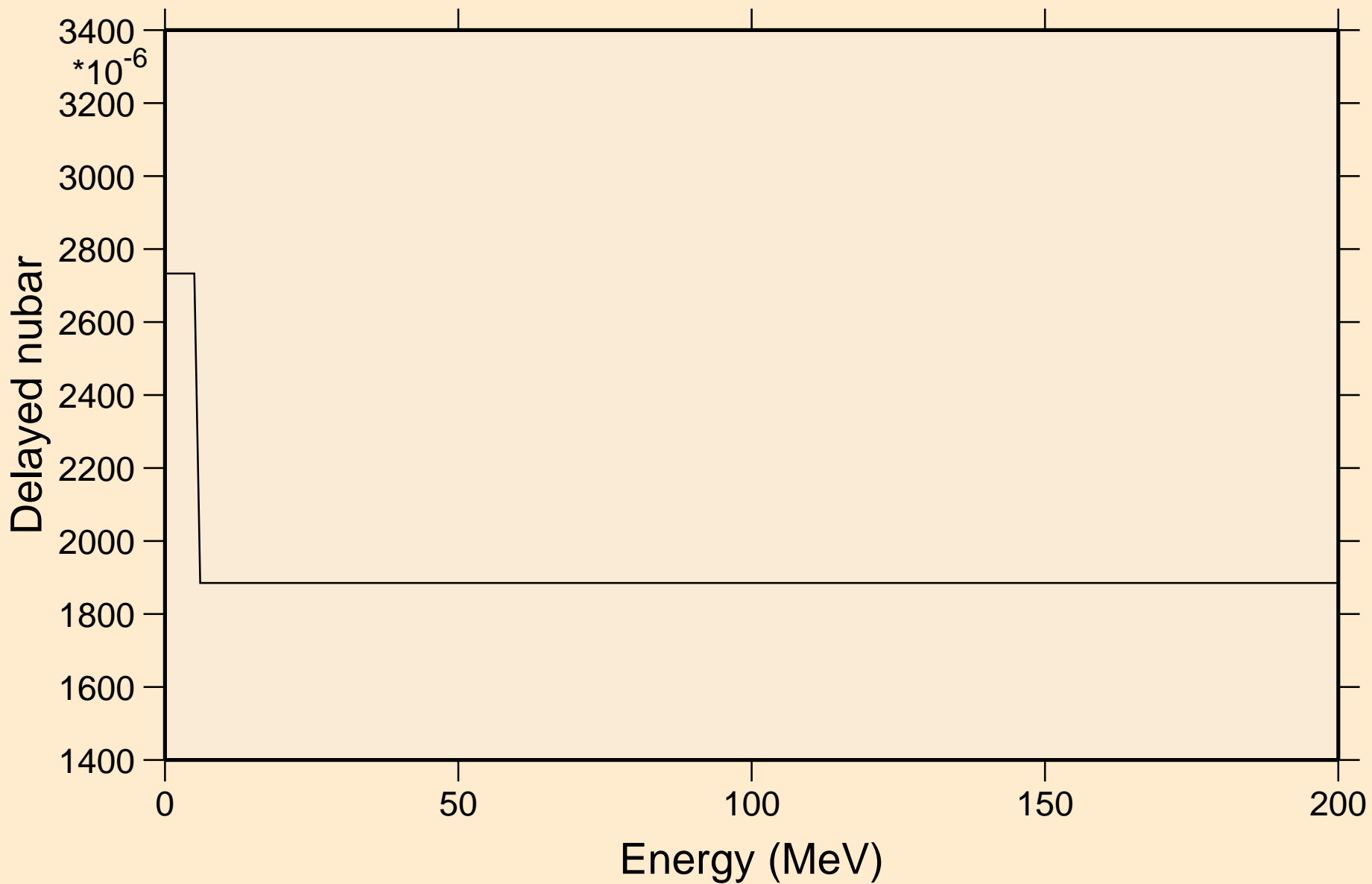
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



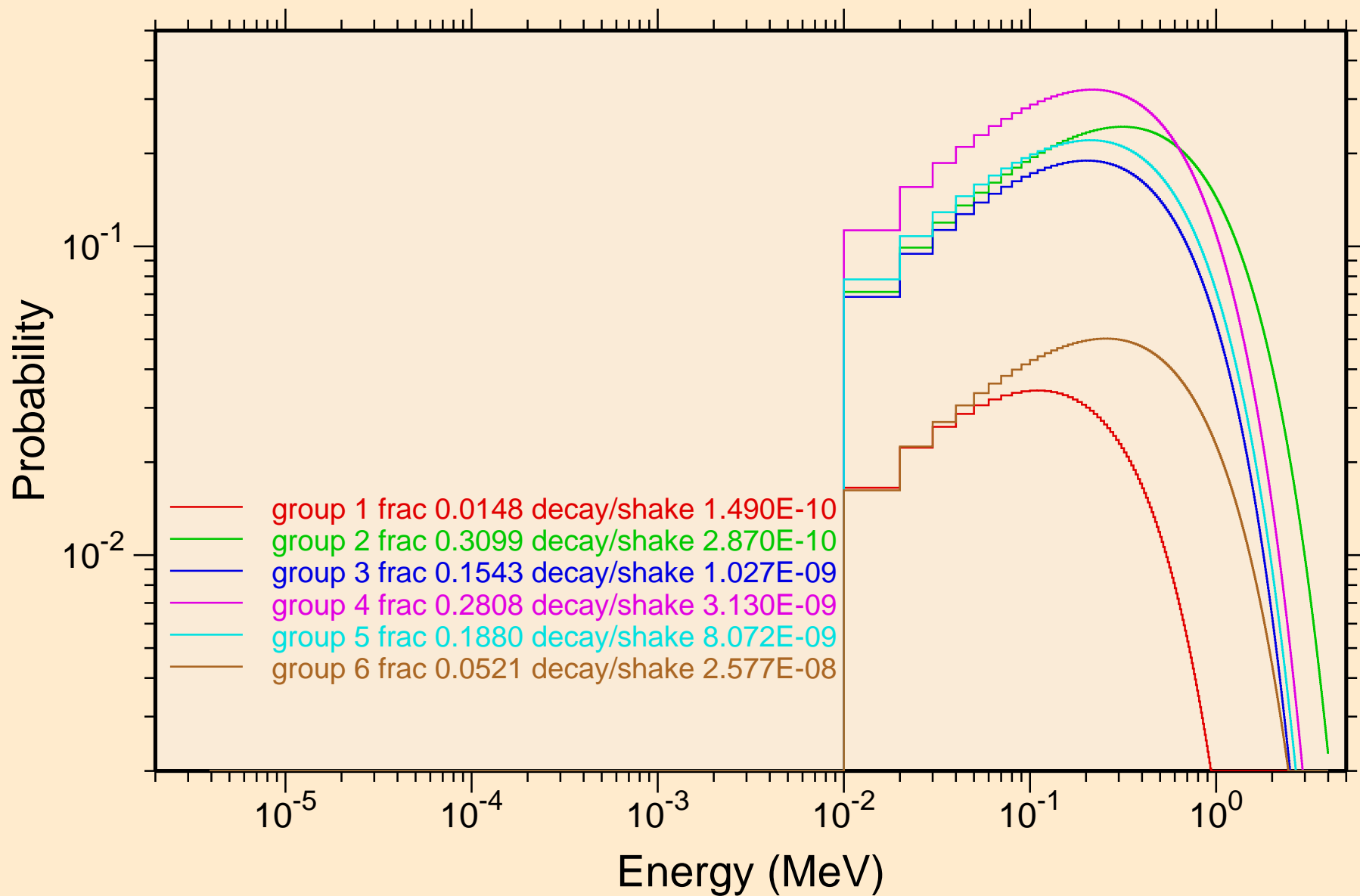
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Delayed nubar



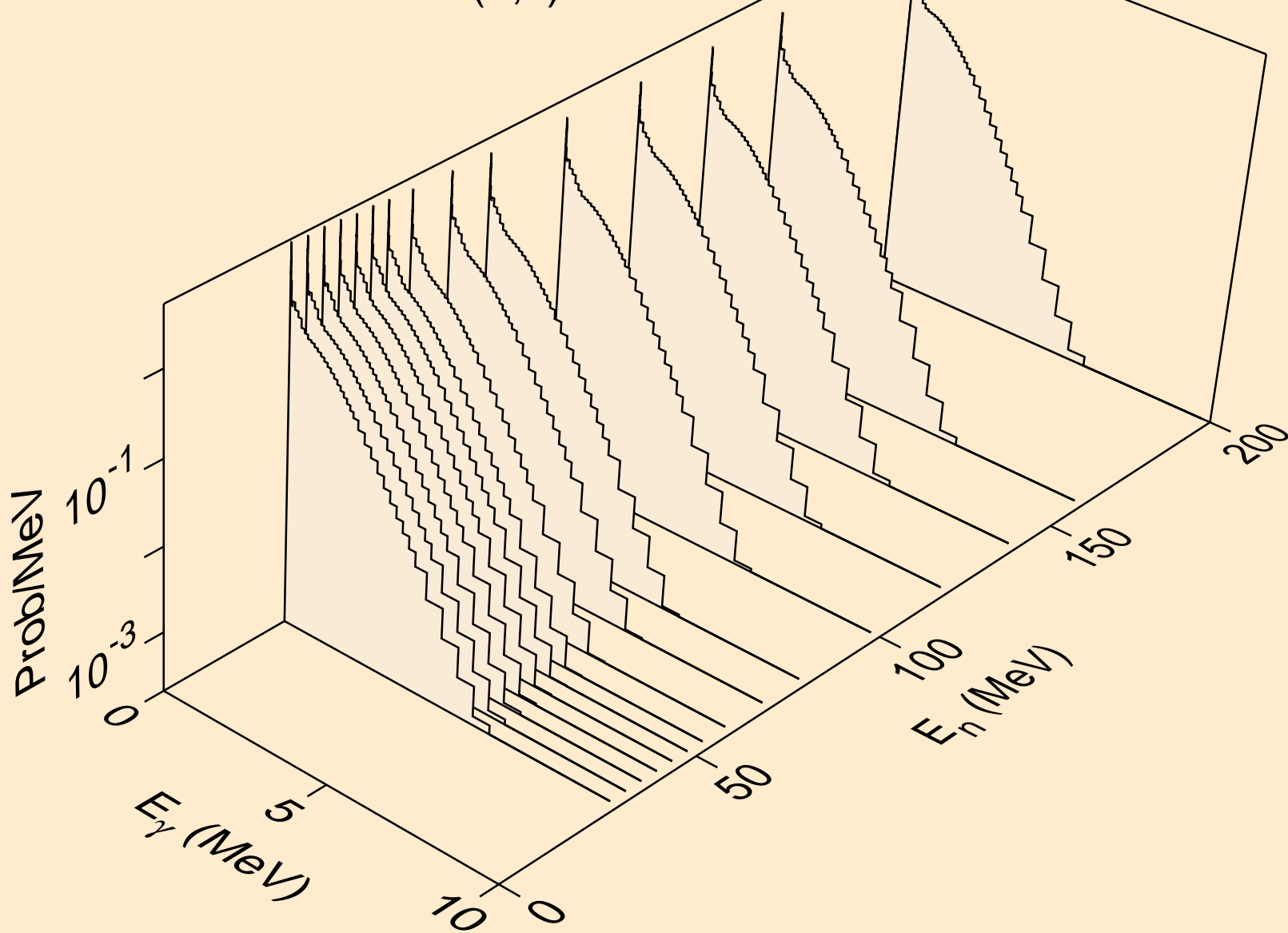


# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

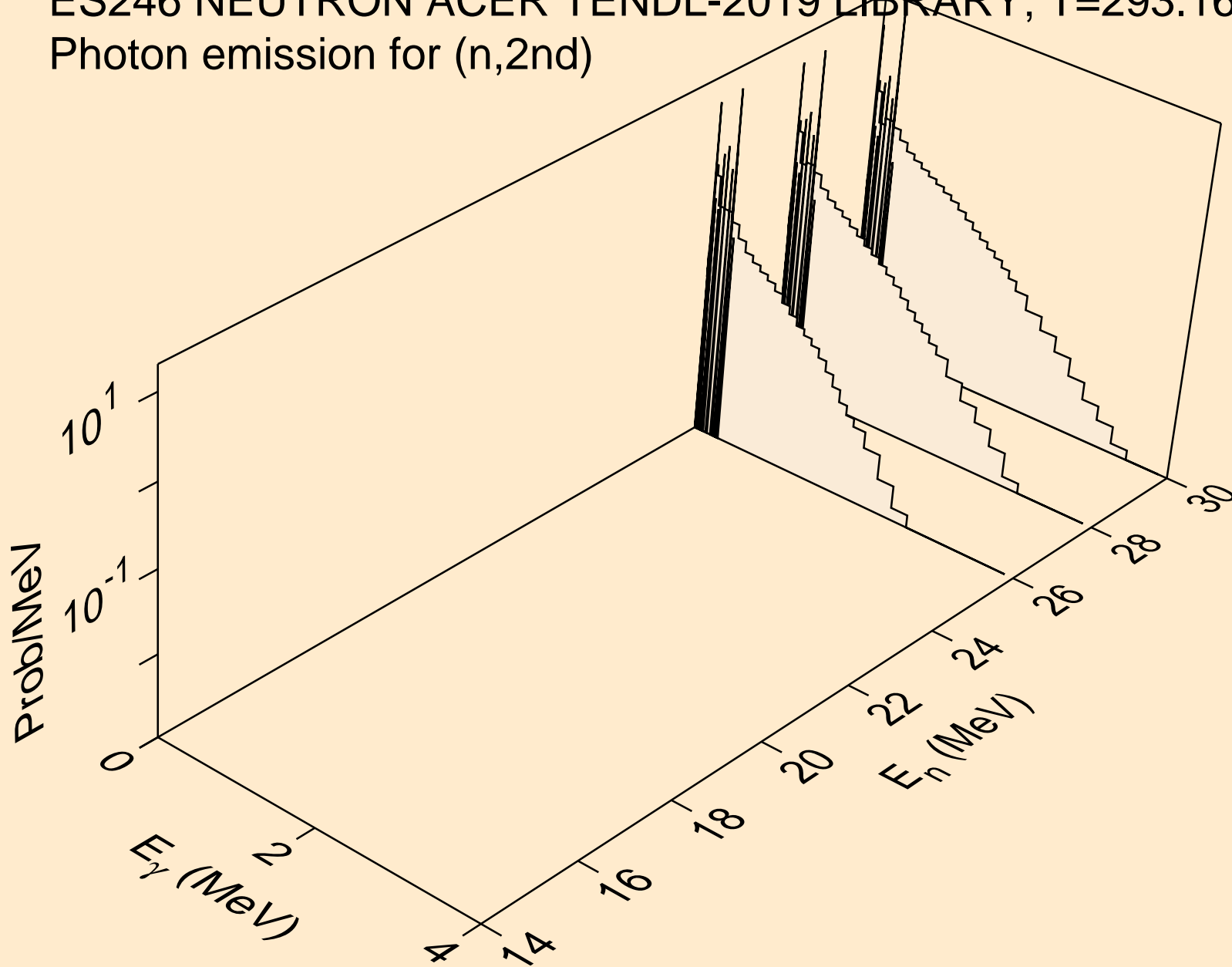
## Delayed neutron spectra



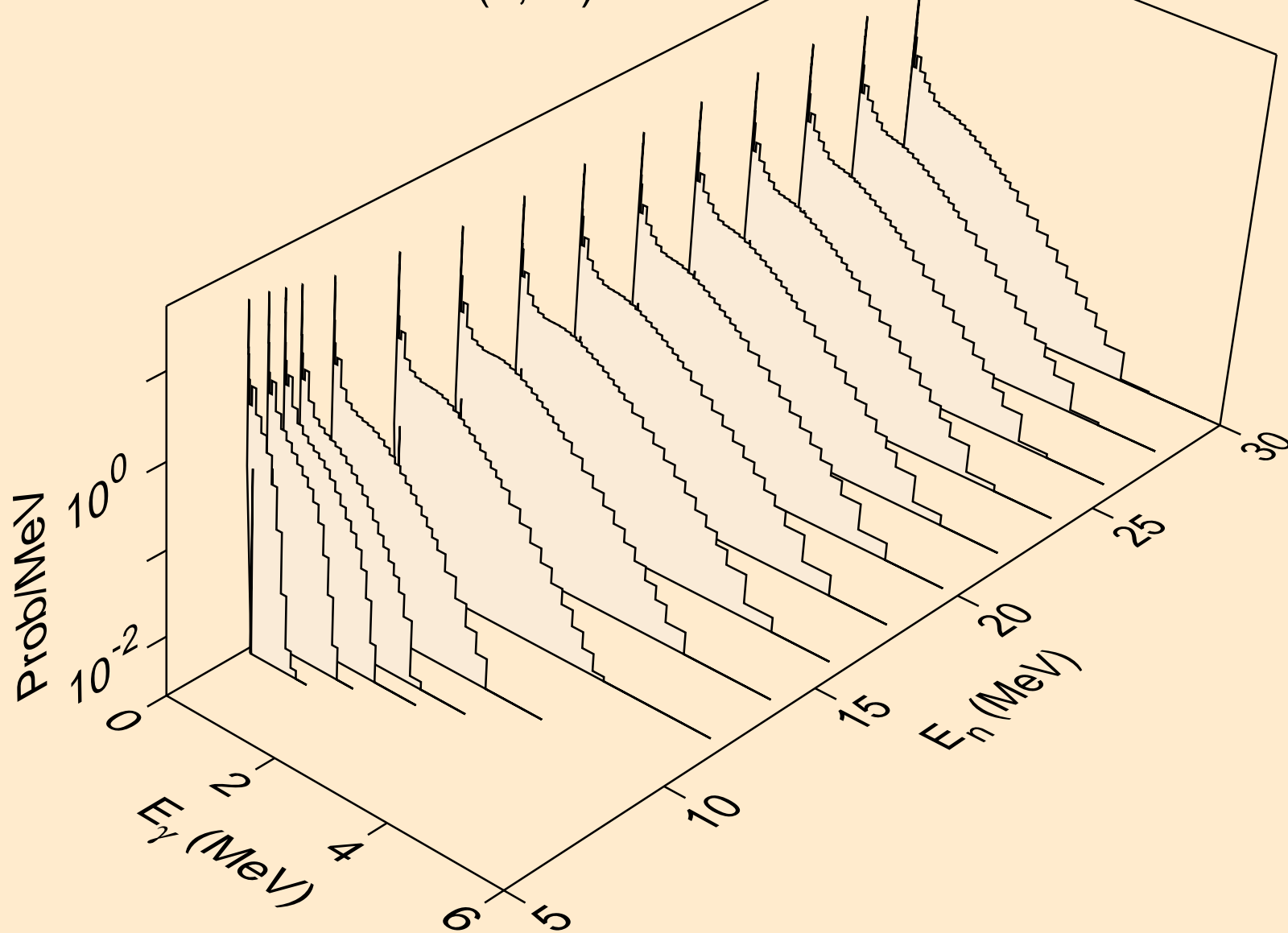
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Photon emission for (n,x)



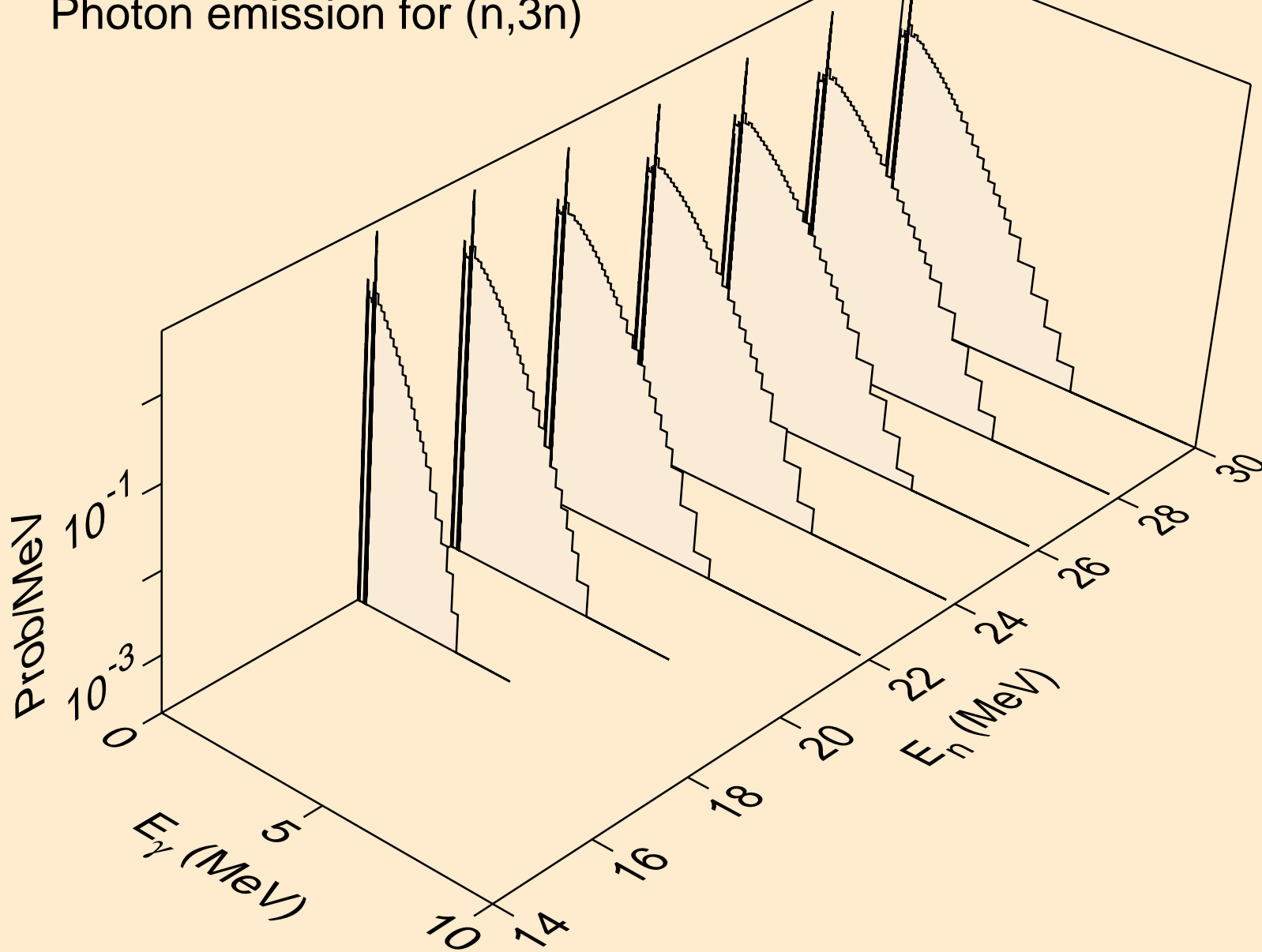
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Photon emission for (n,2nd)



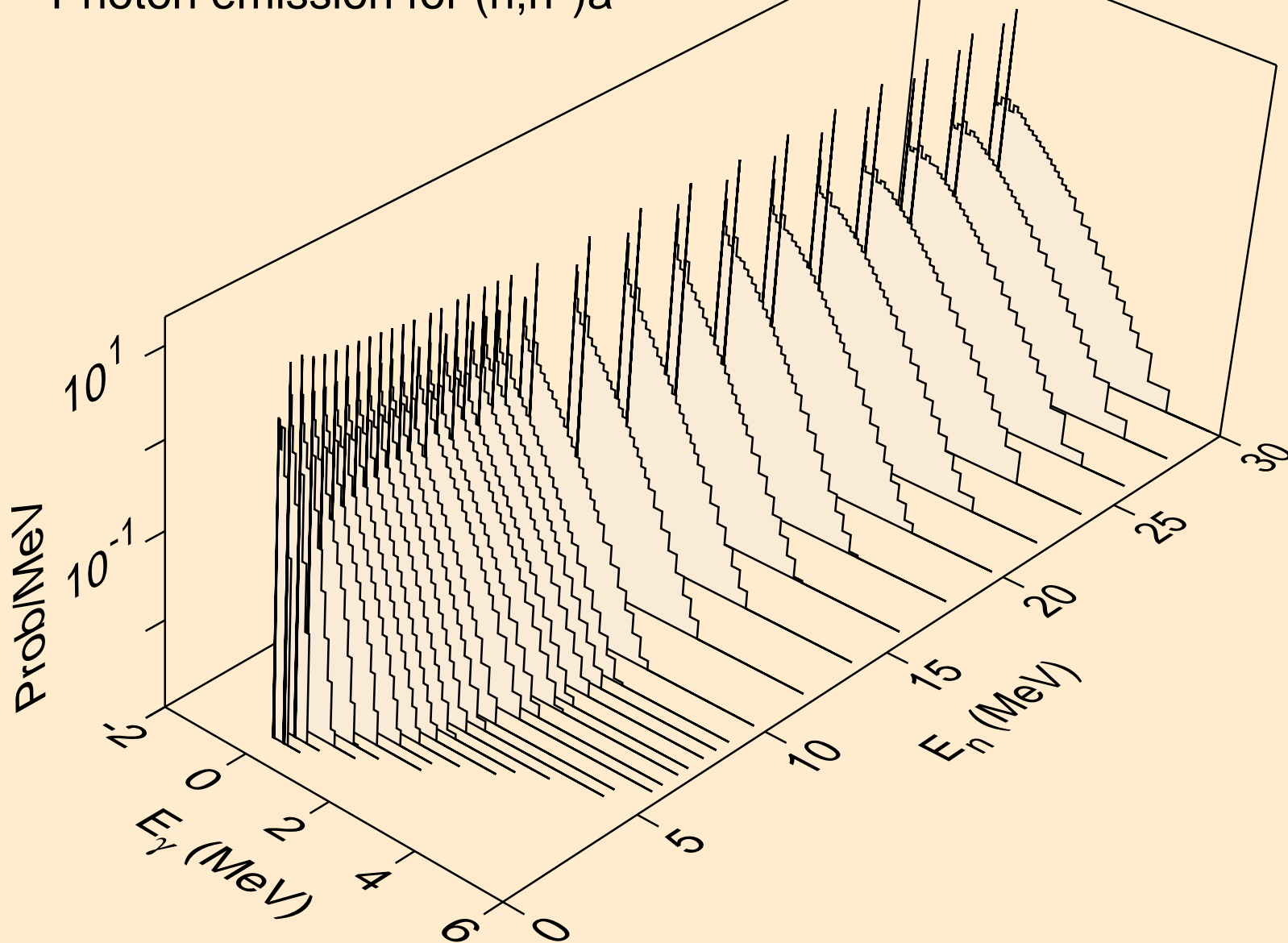
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Photon emission for (n,2n)



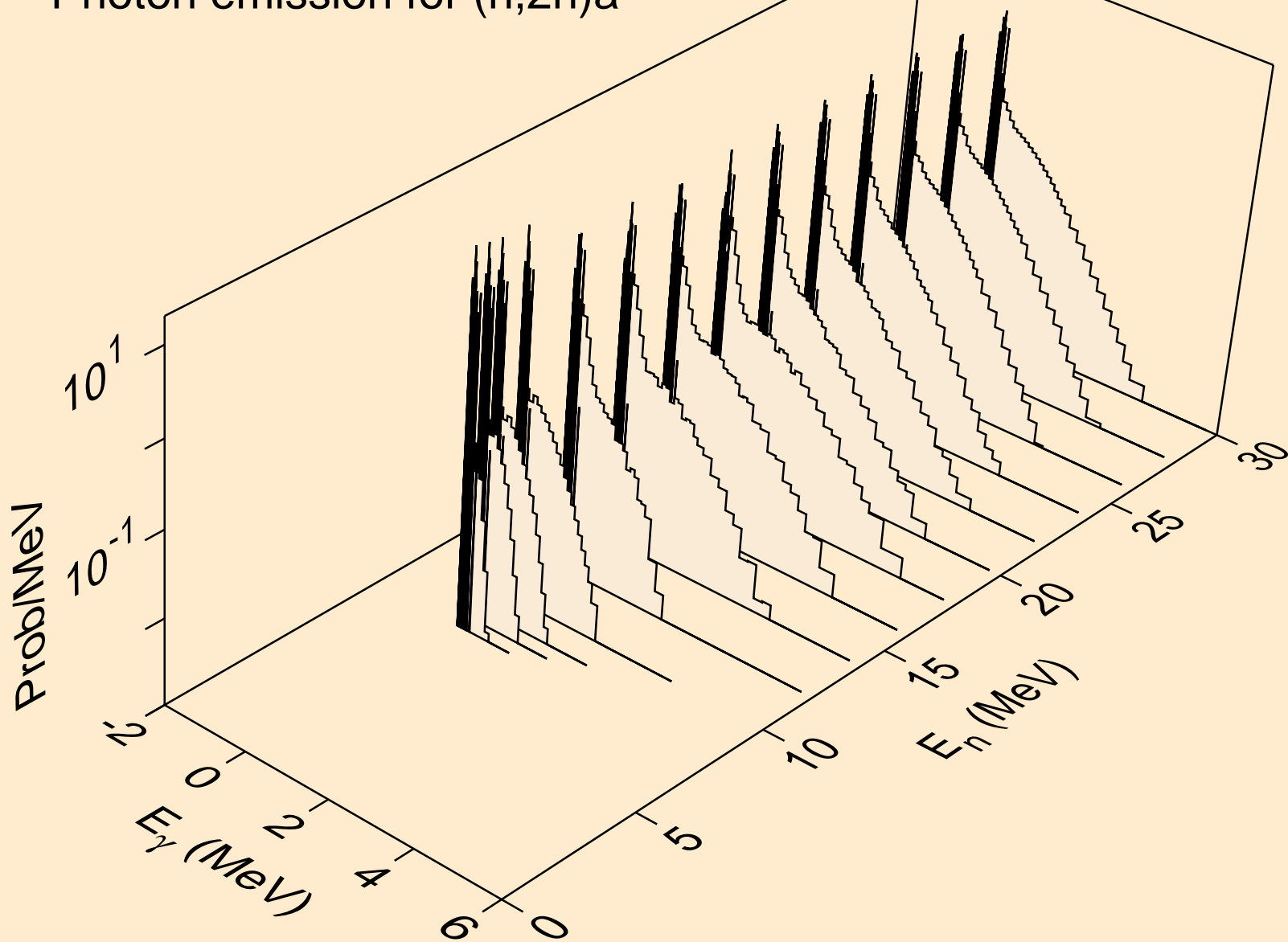
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



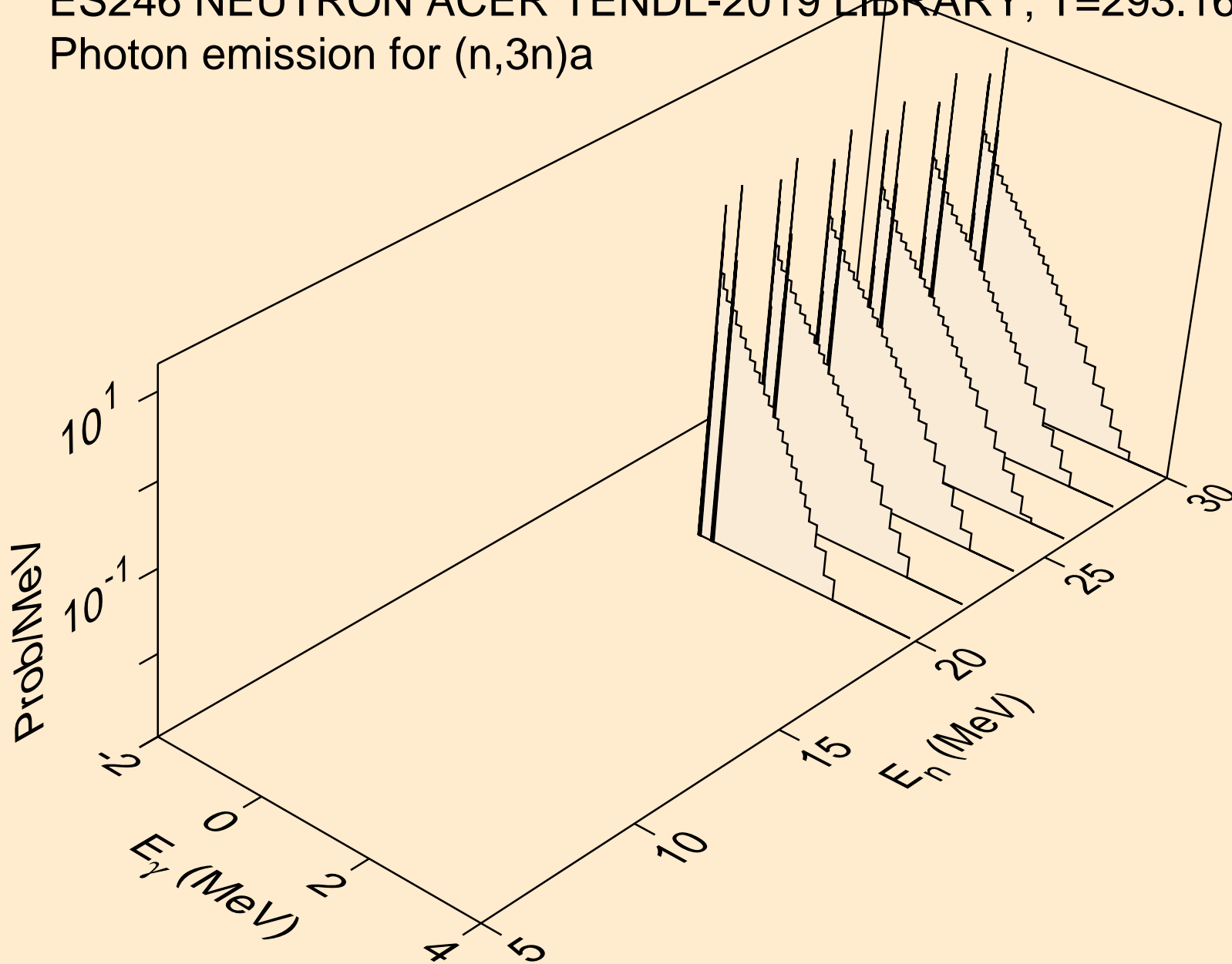
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

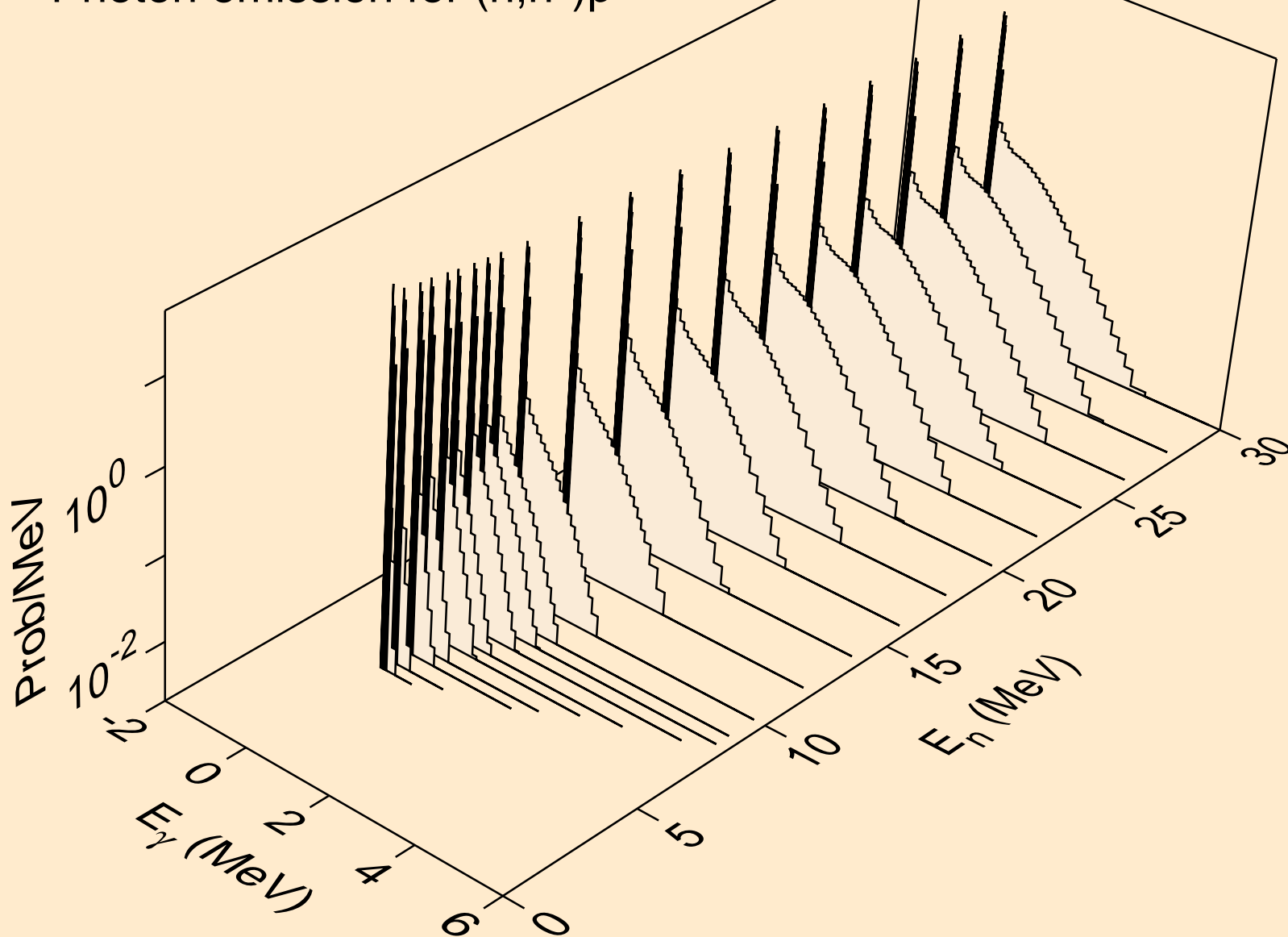


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

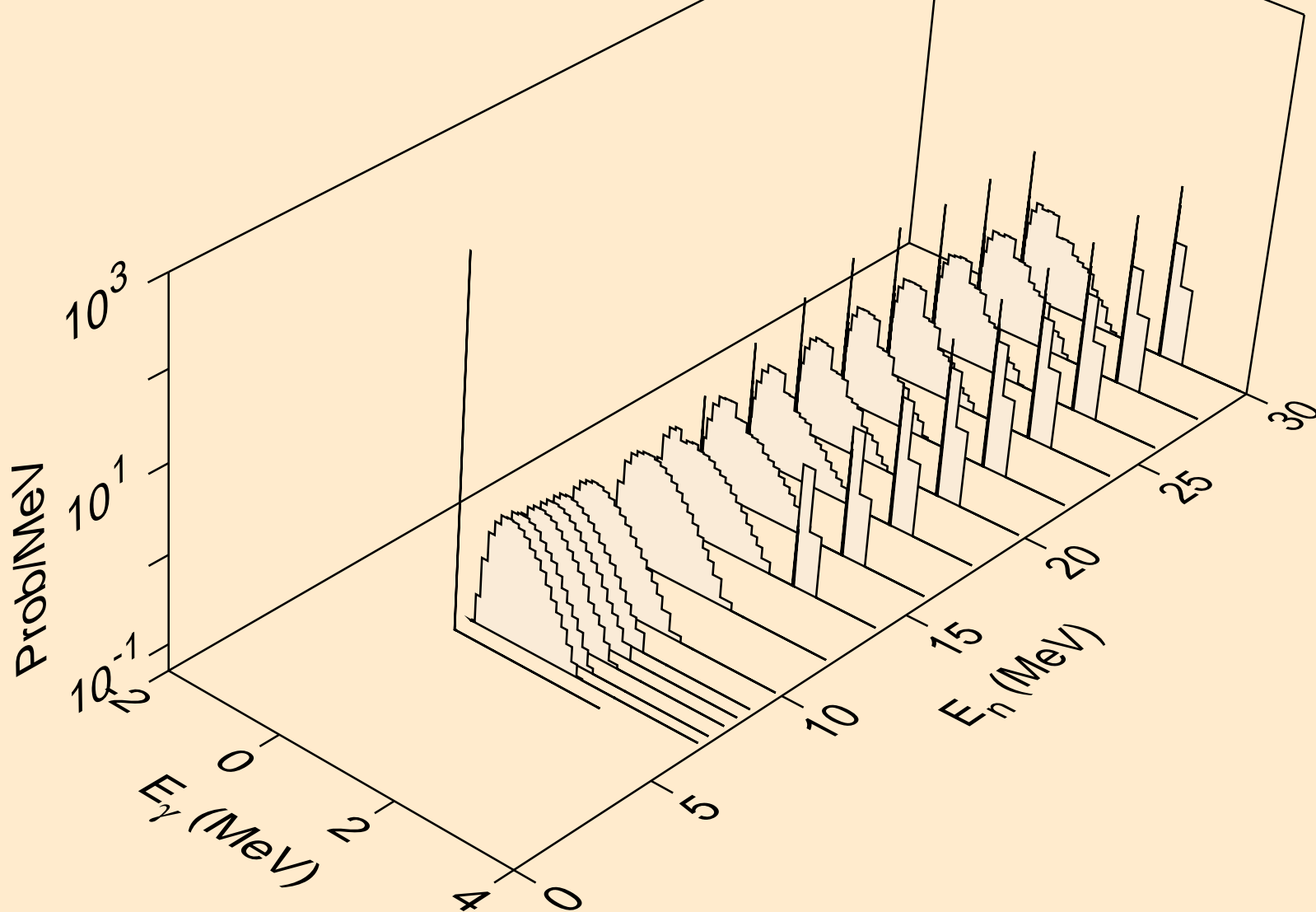




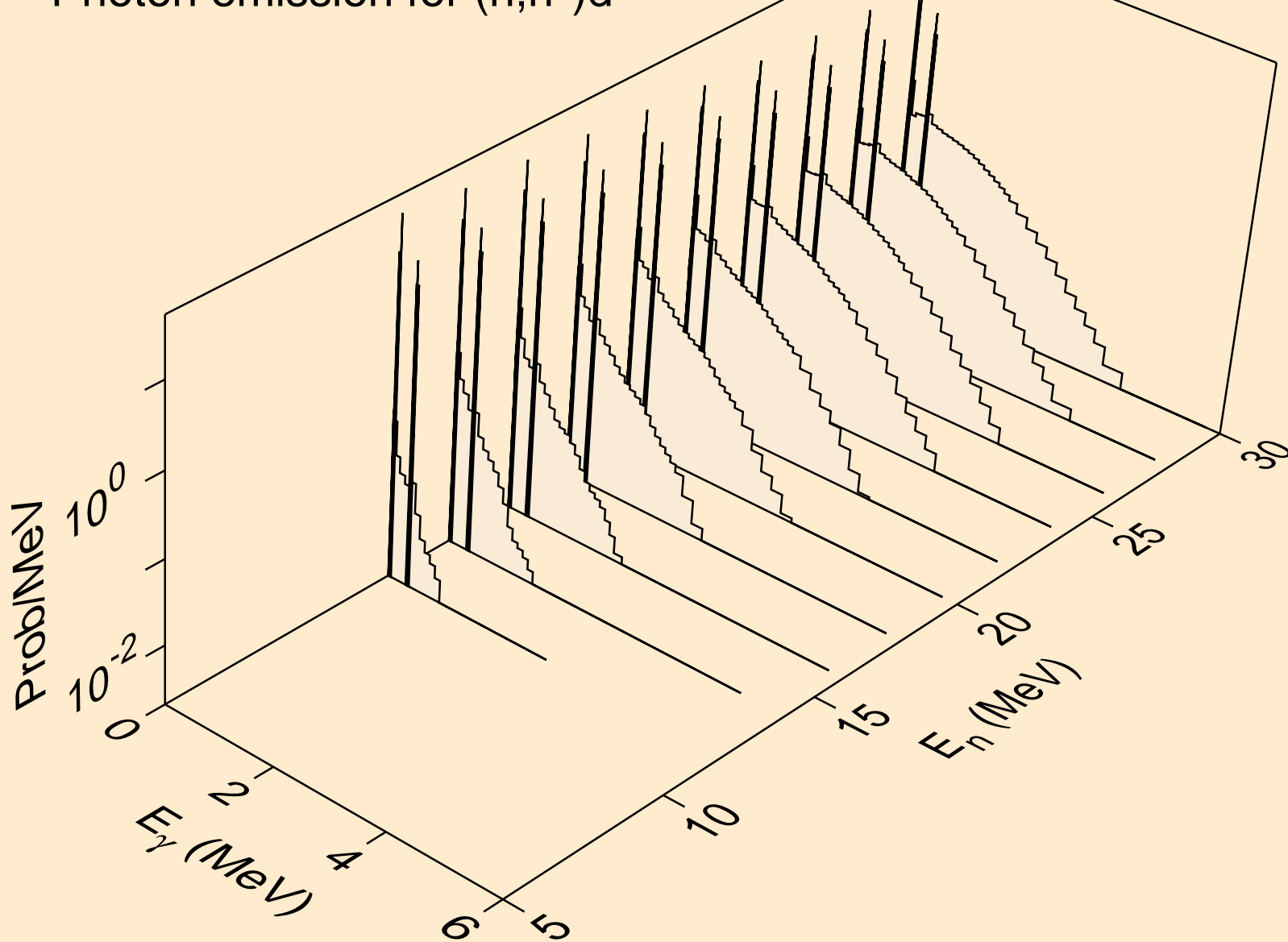
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



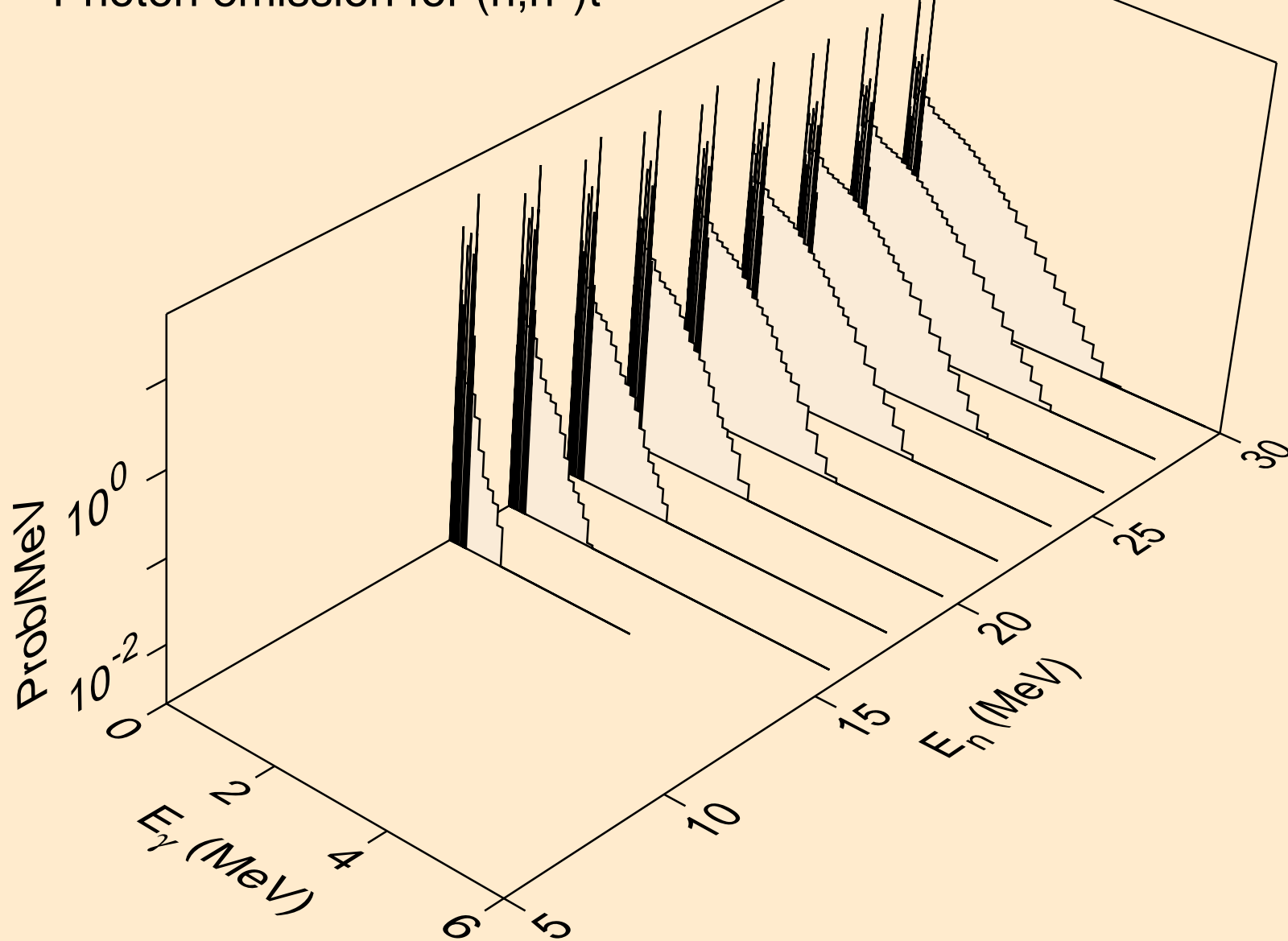
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



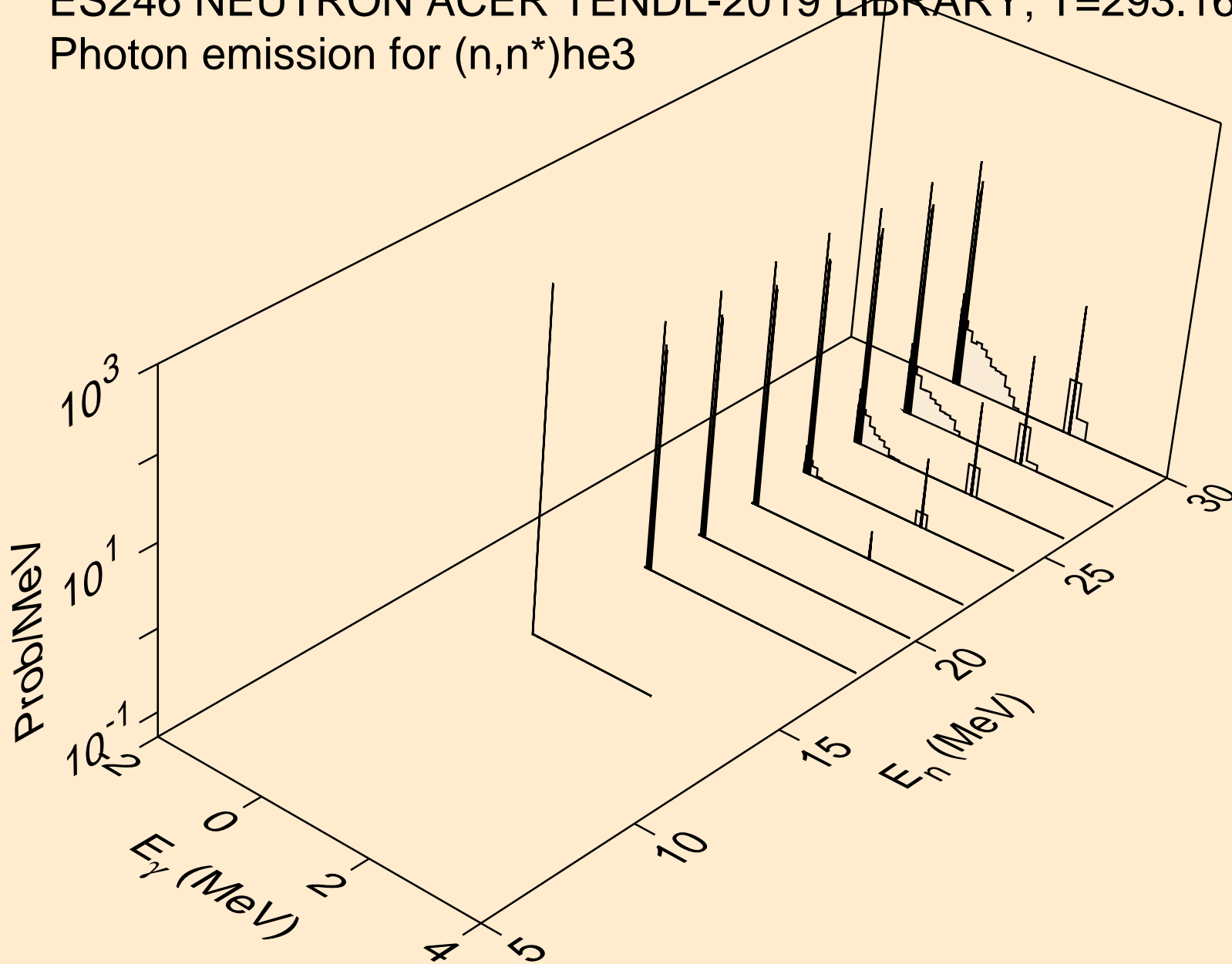
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



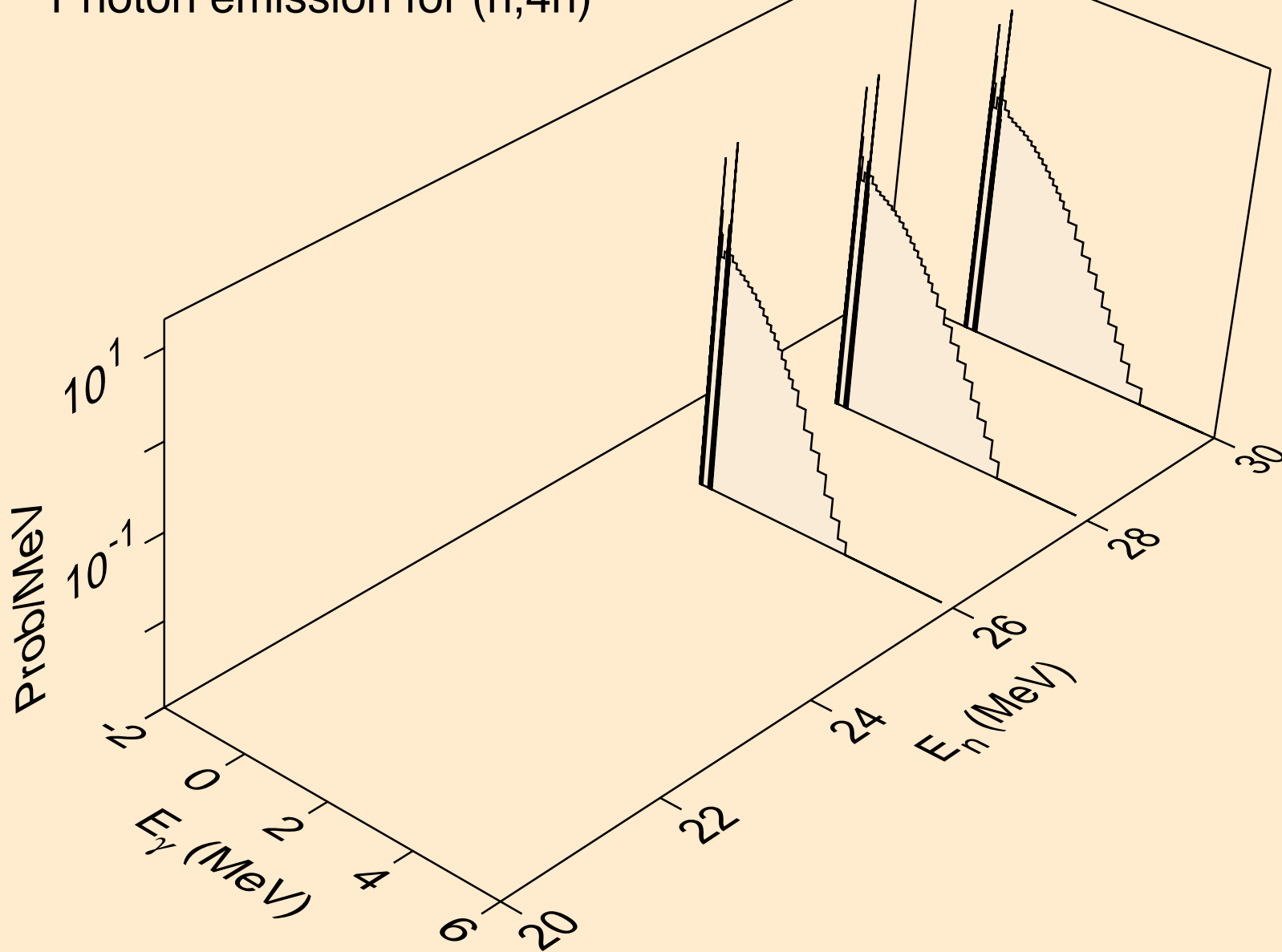
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



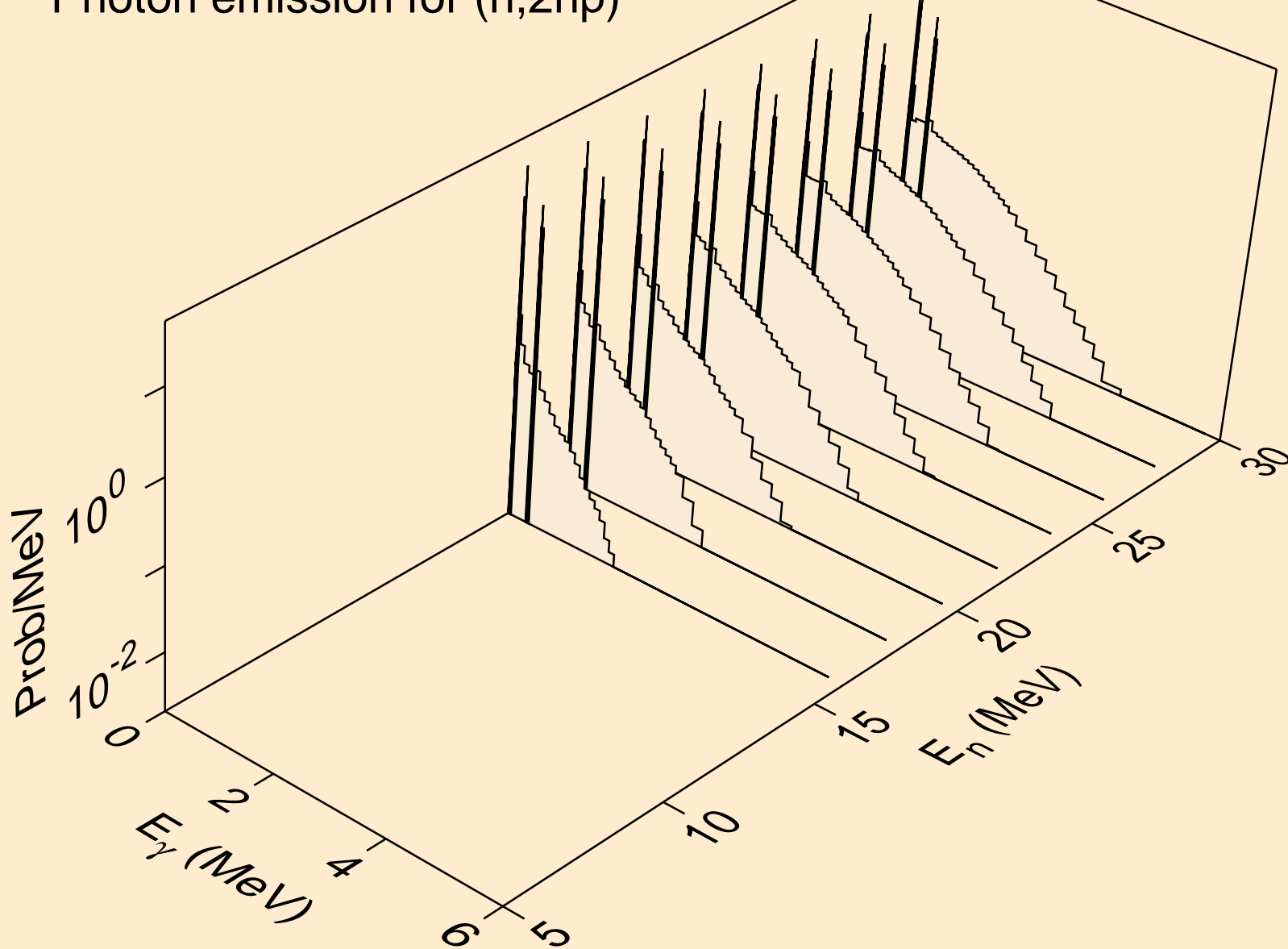
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Photon emission for (n,n\*)he3



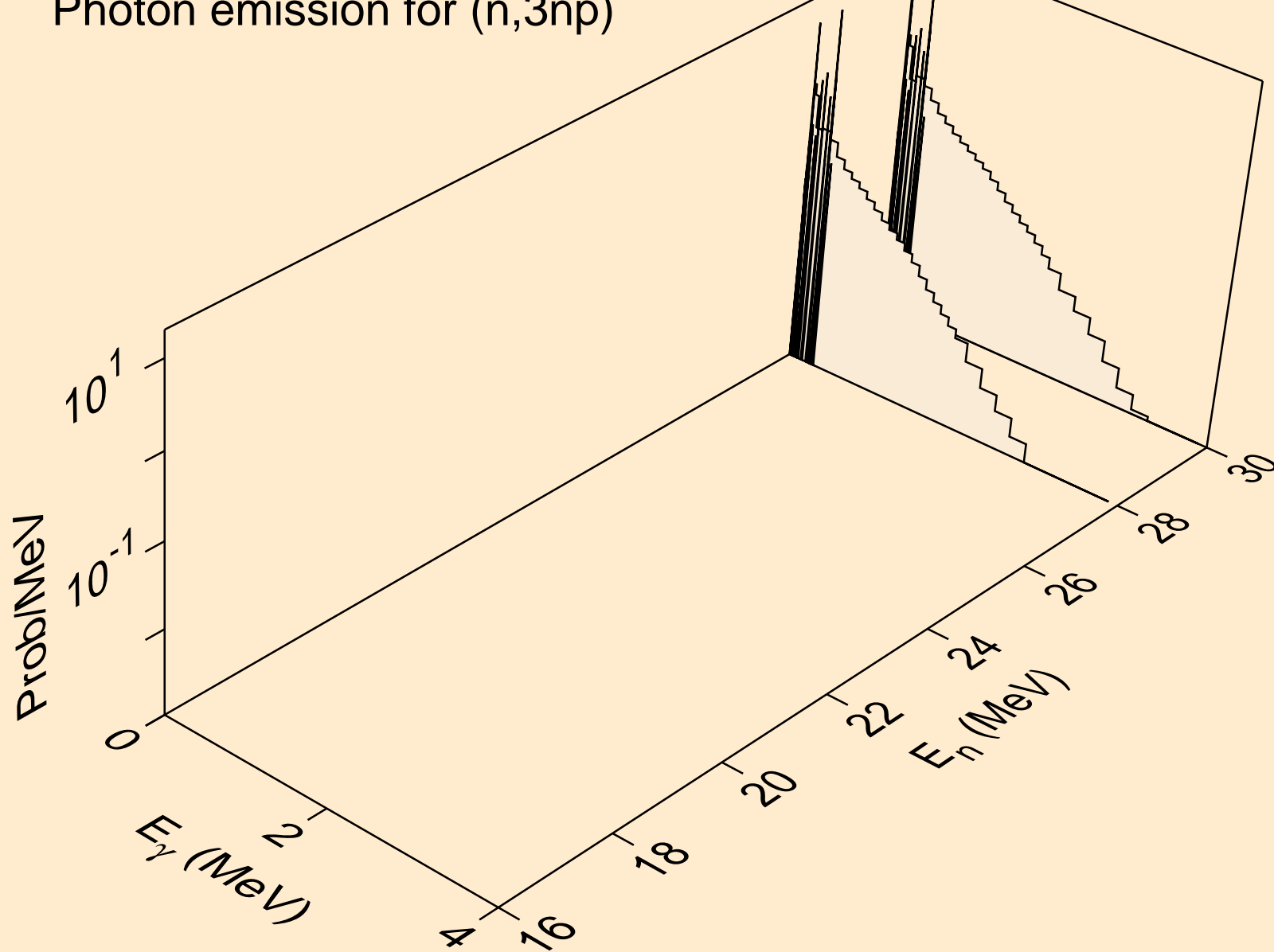
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

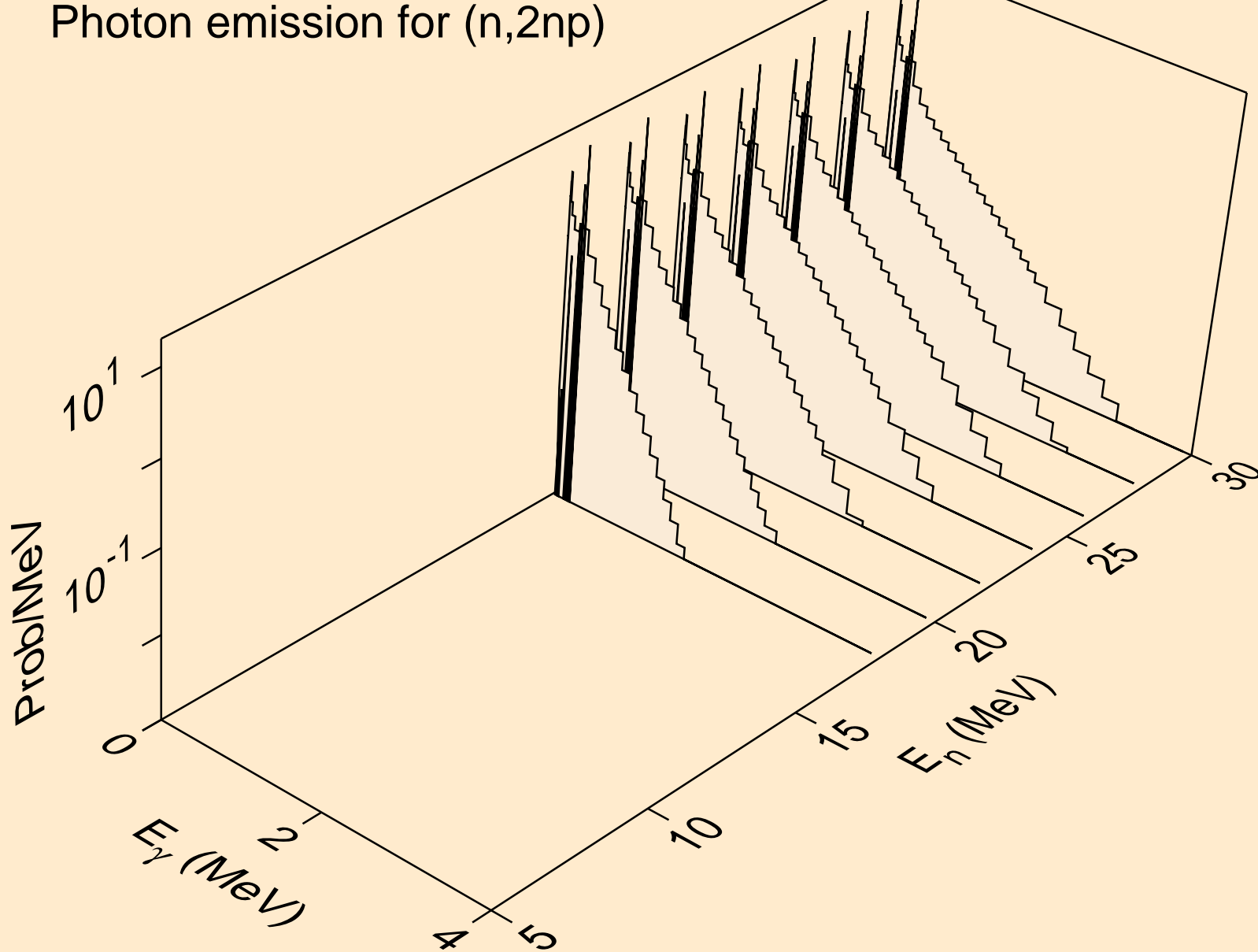


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

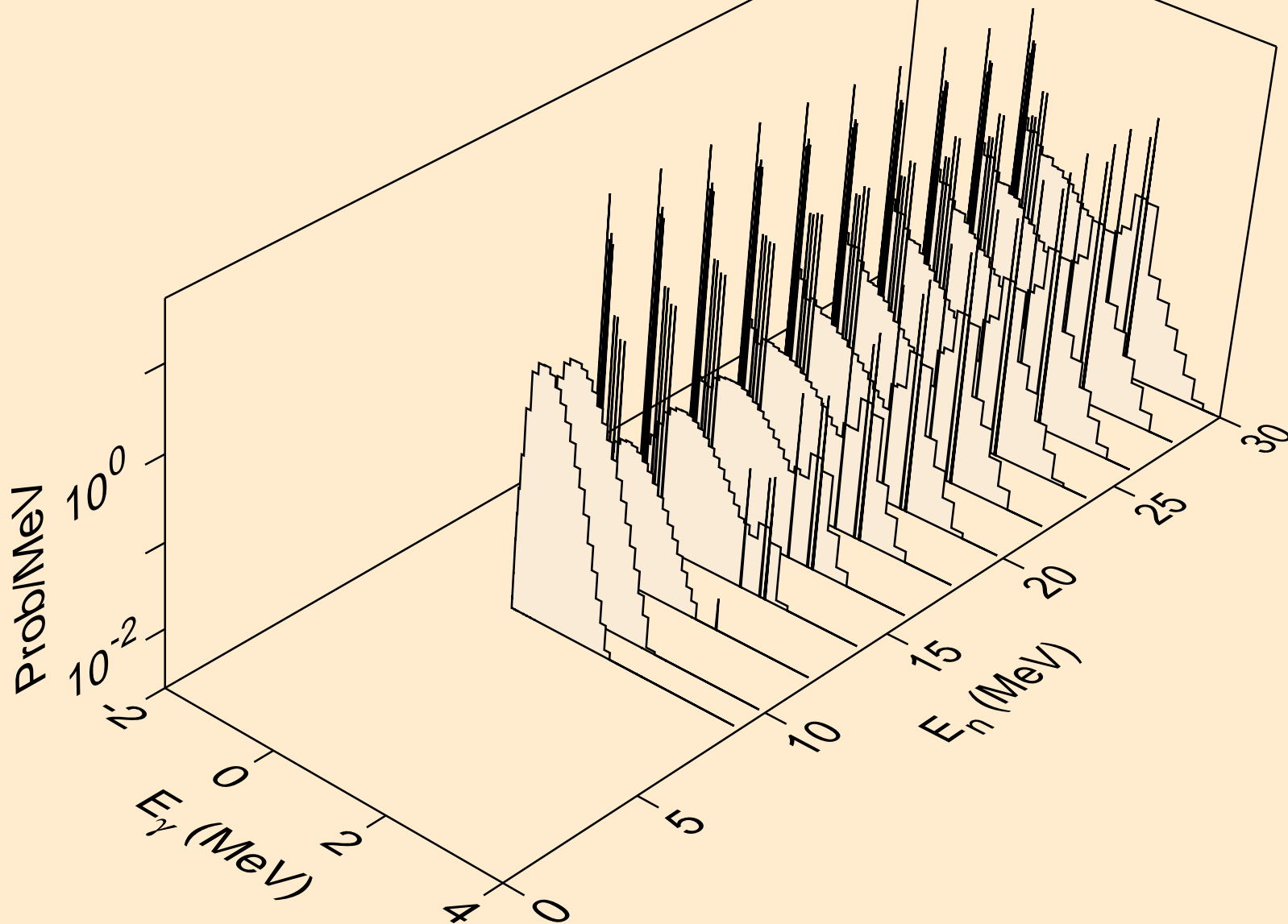




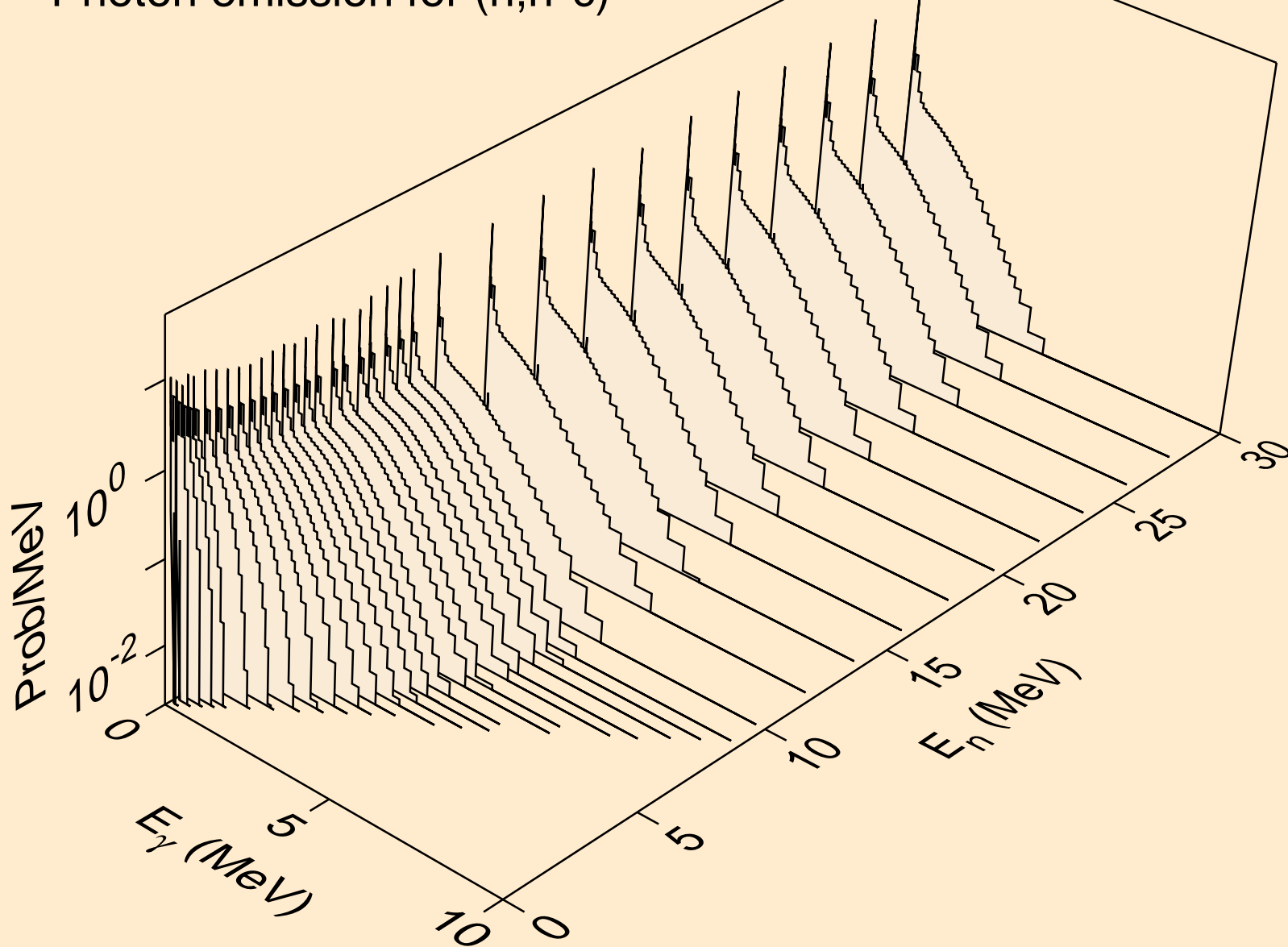
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



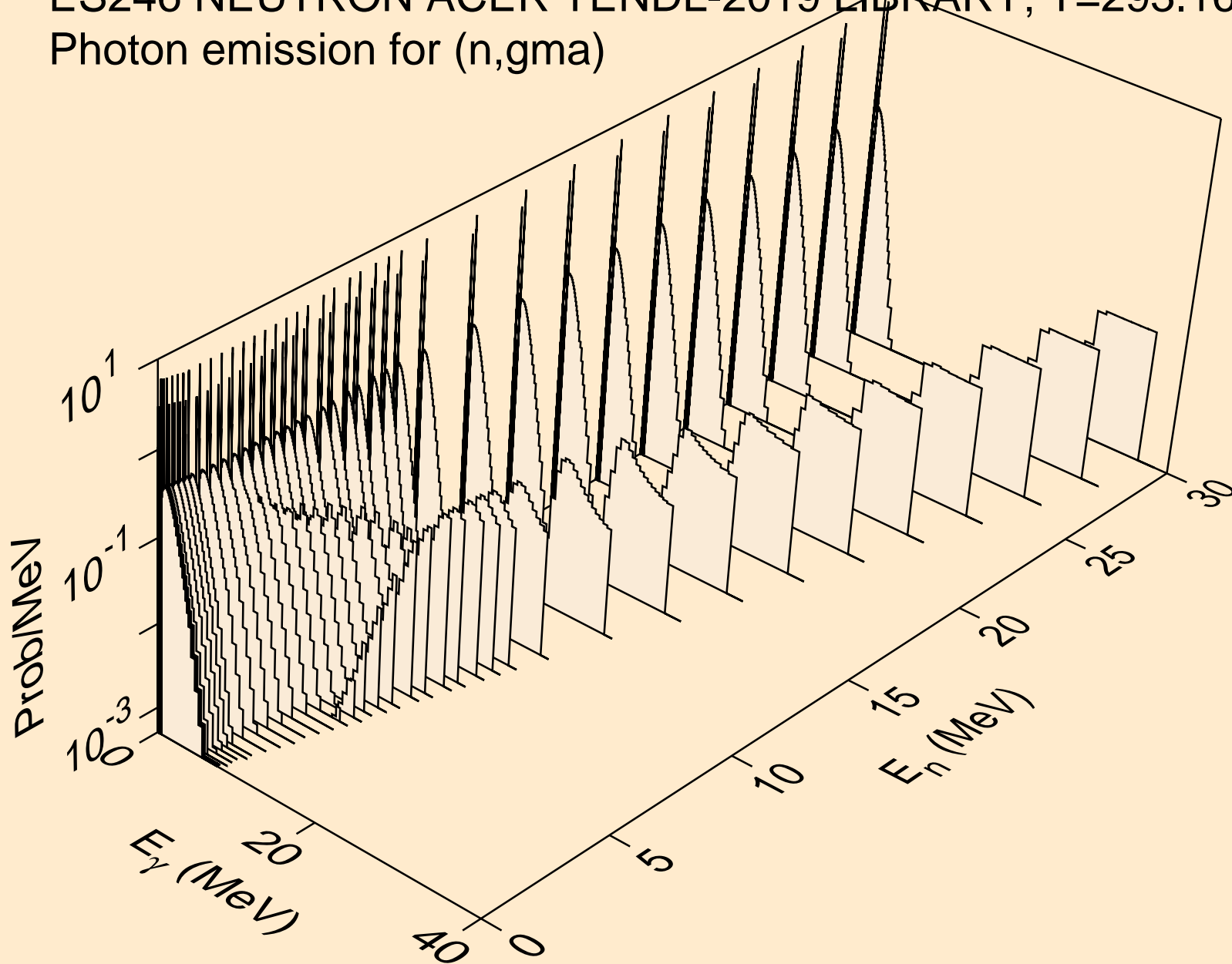
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



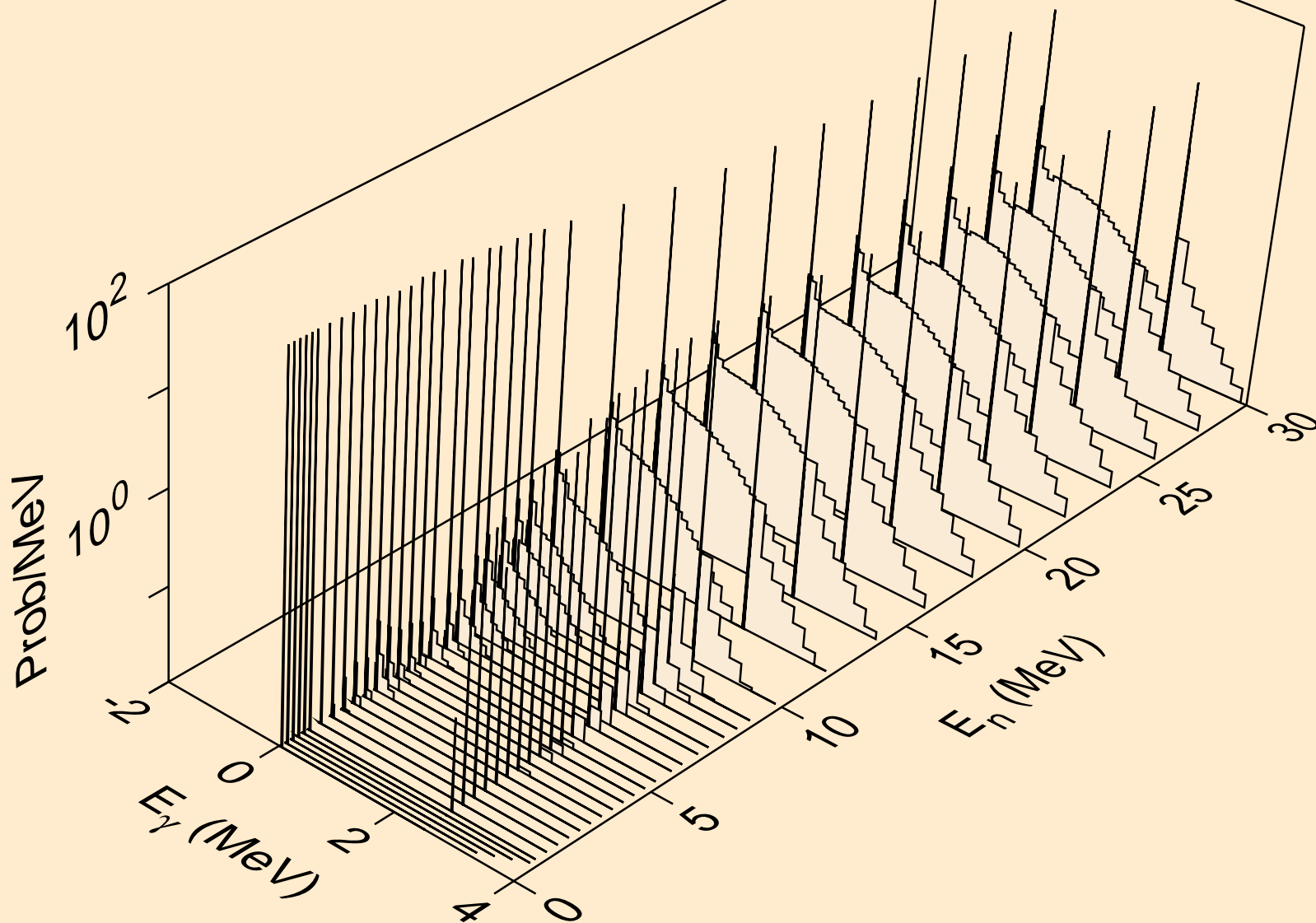
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



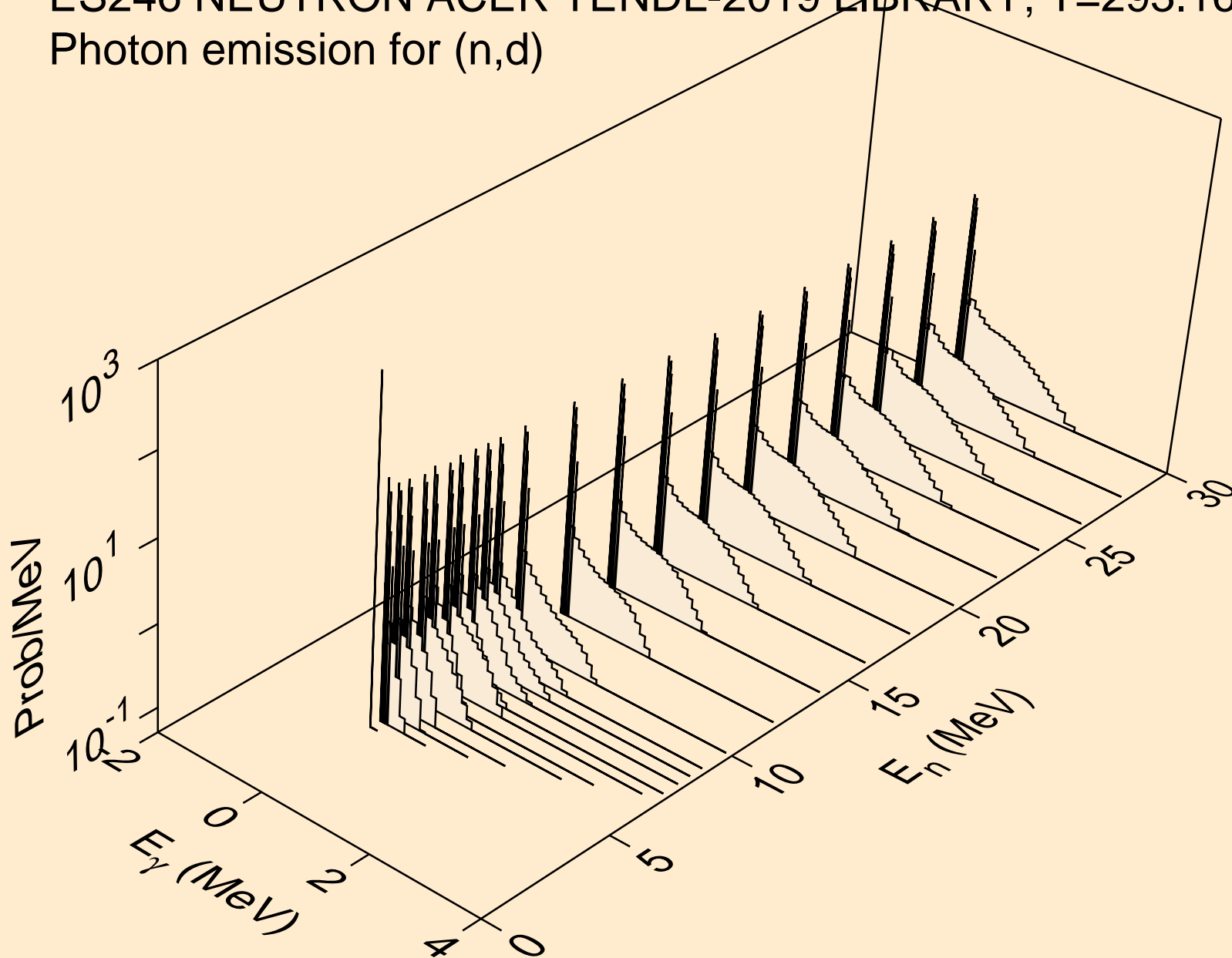
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



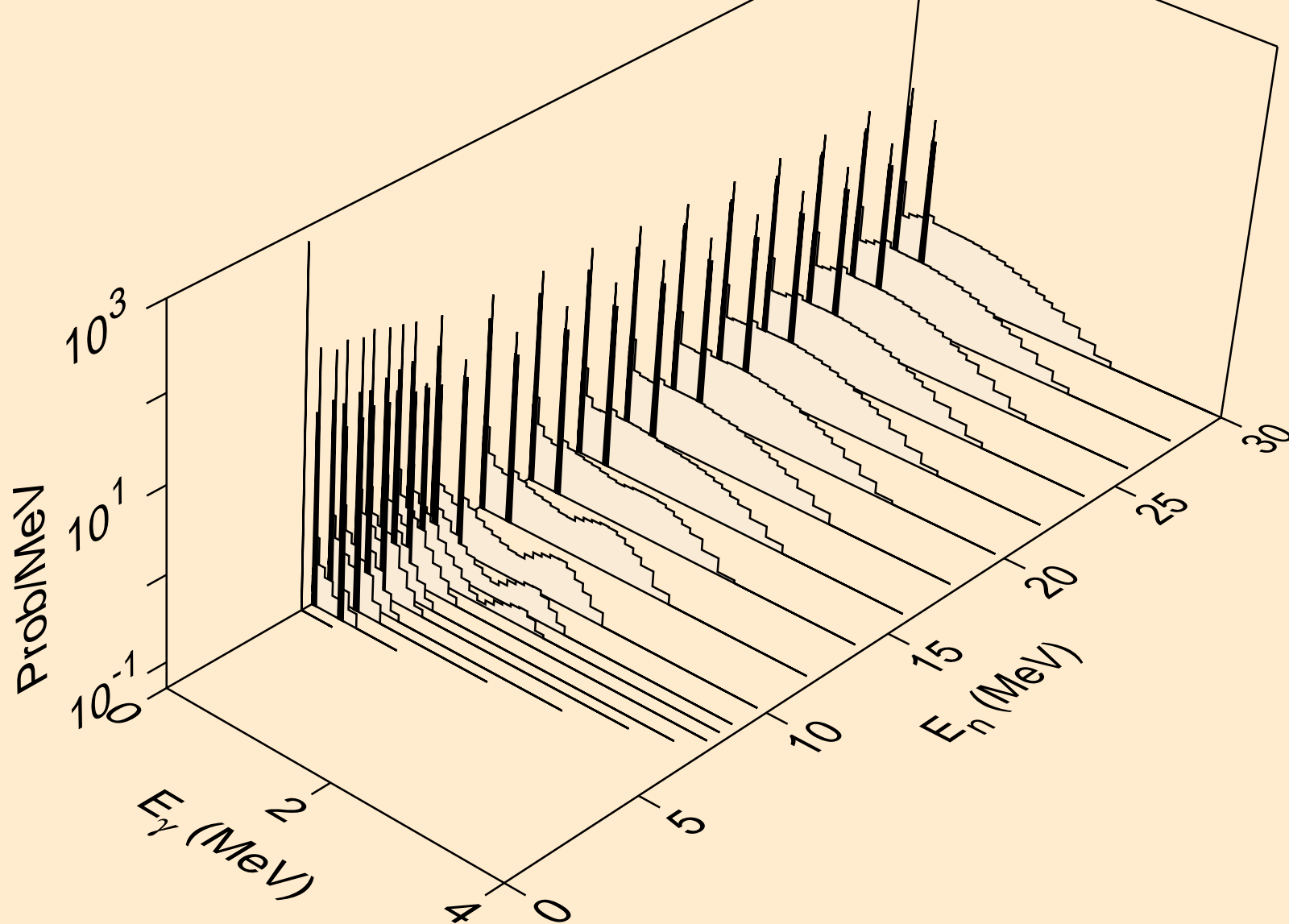
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



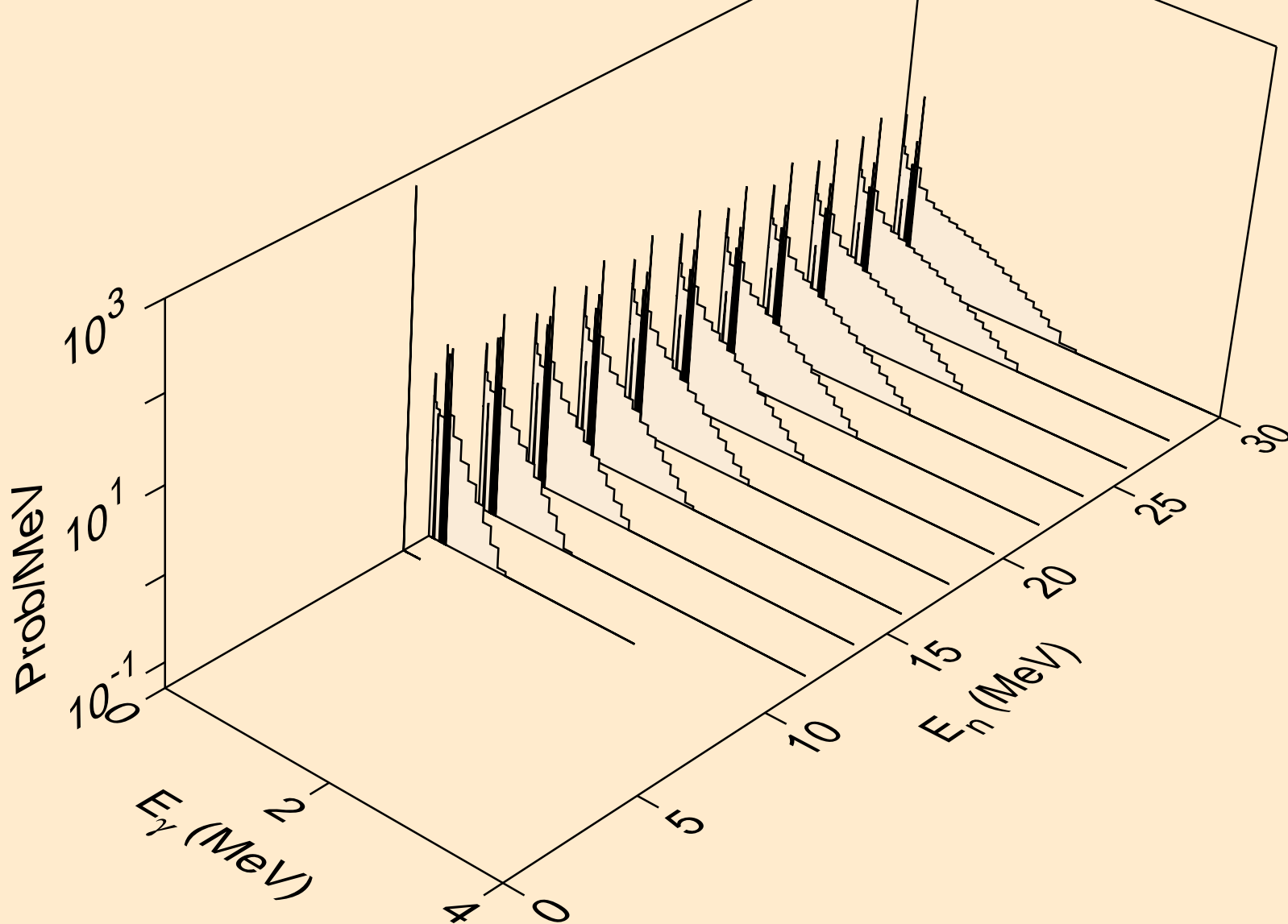
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

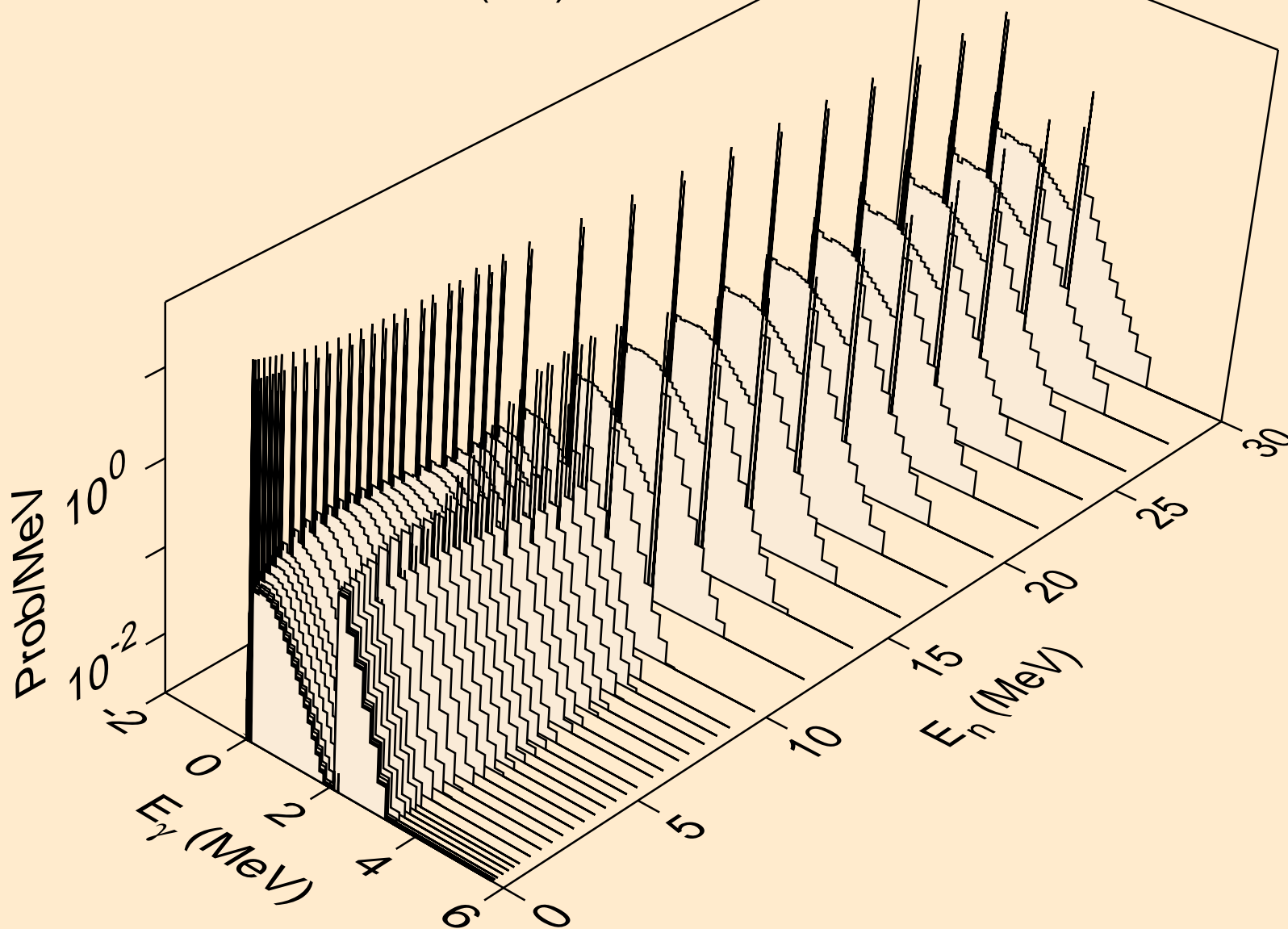


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

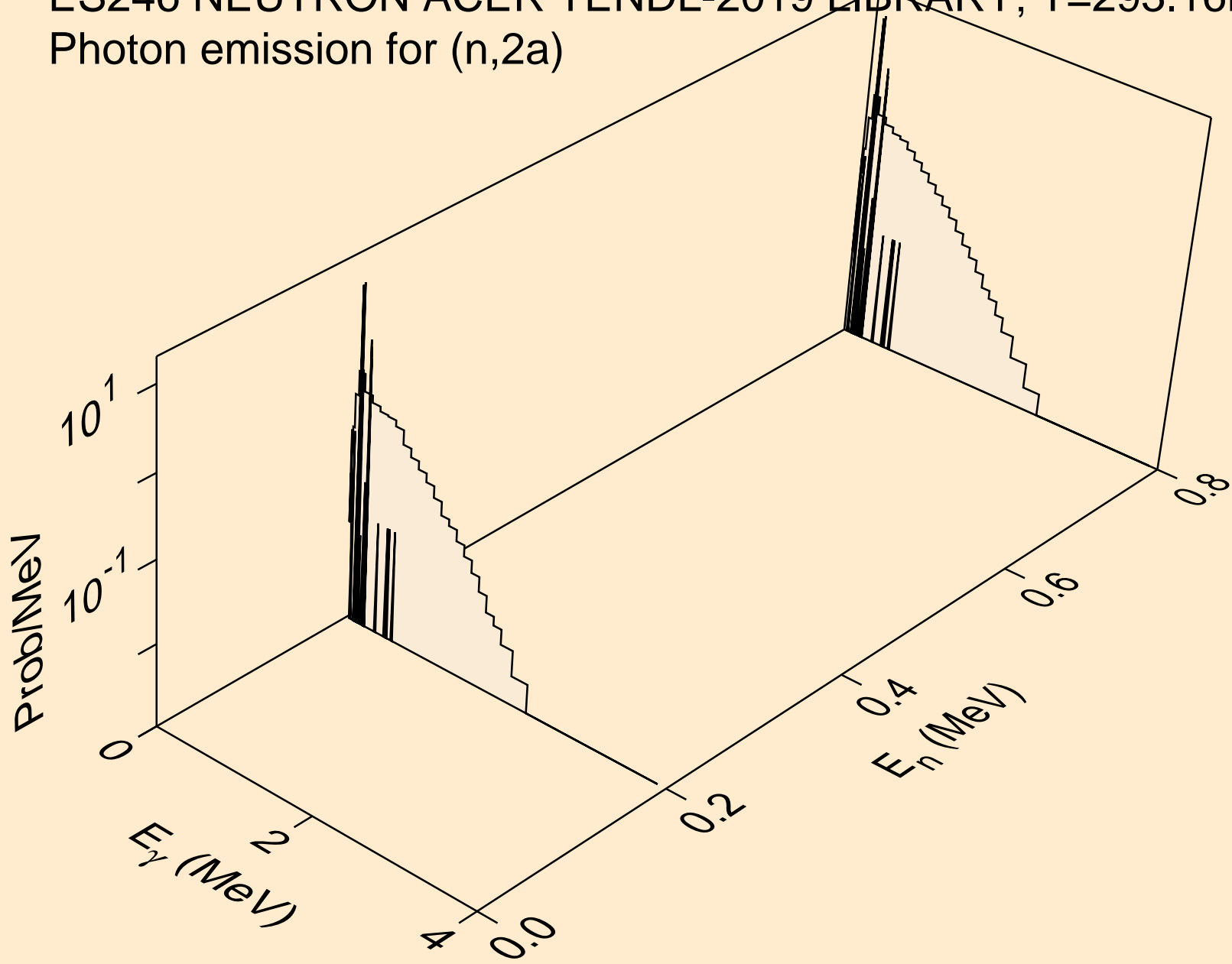




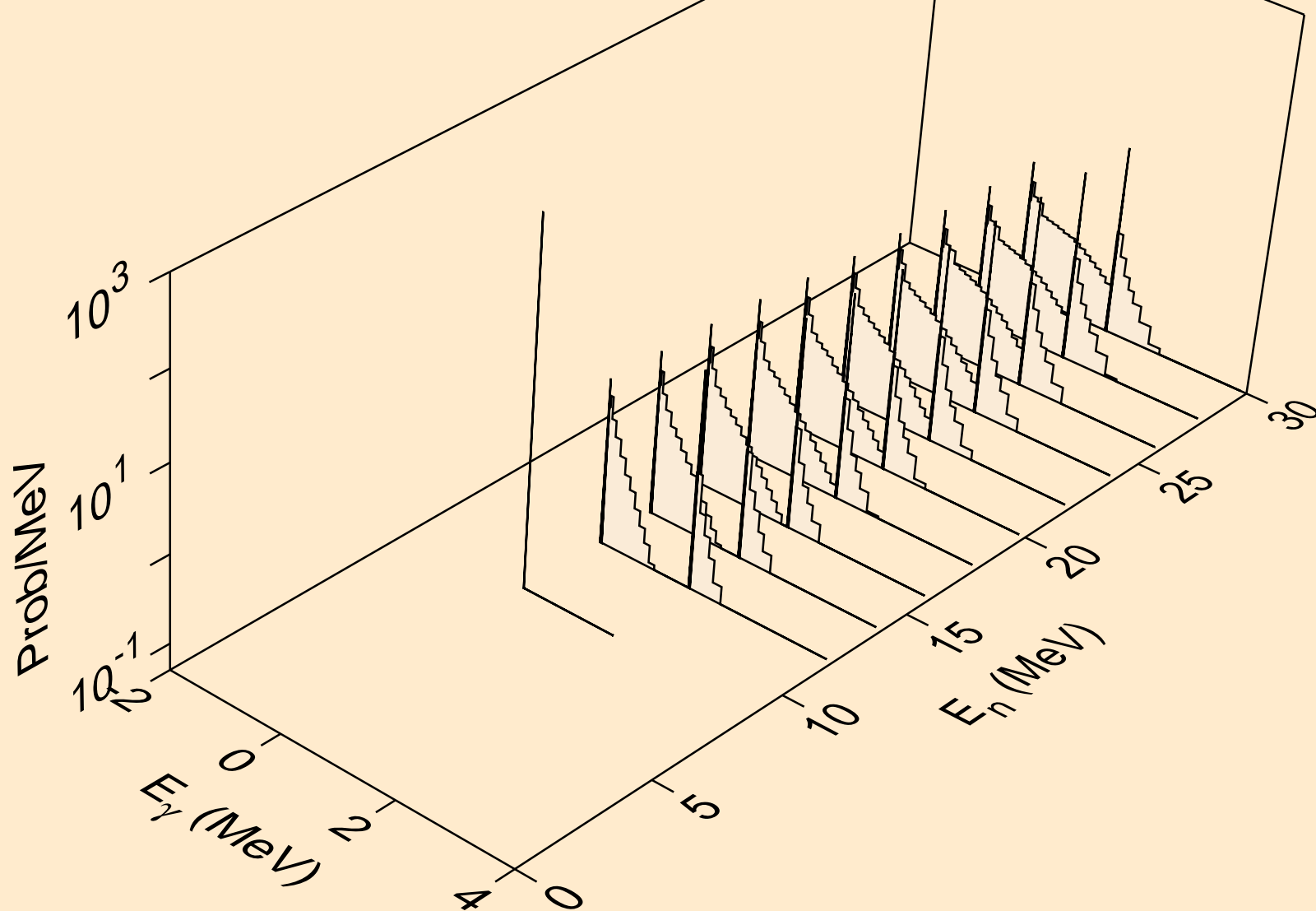
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



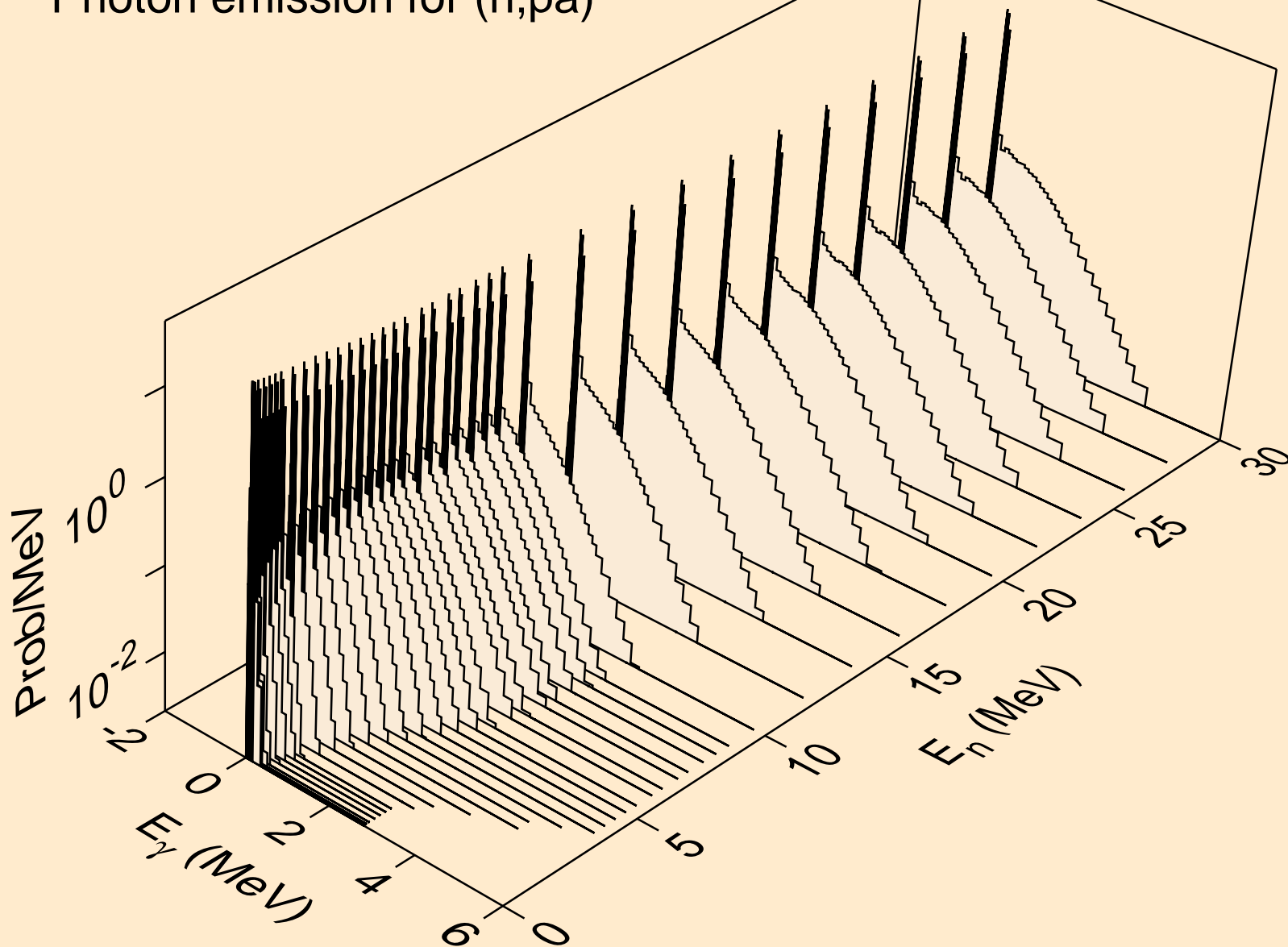
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



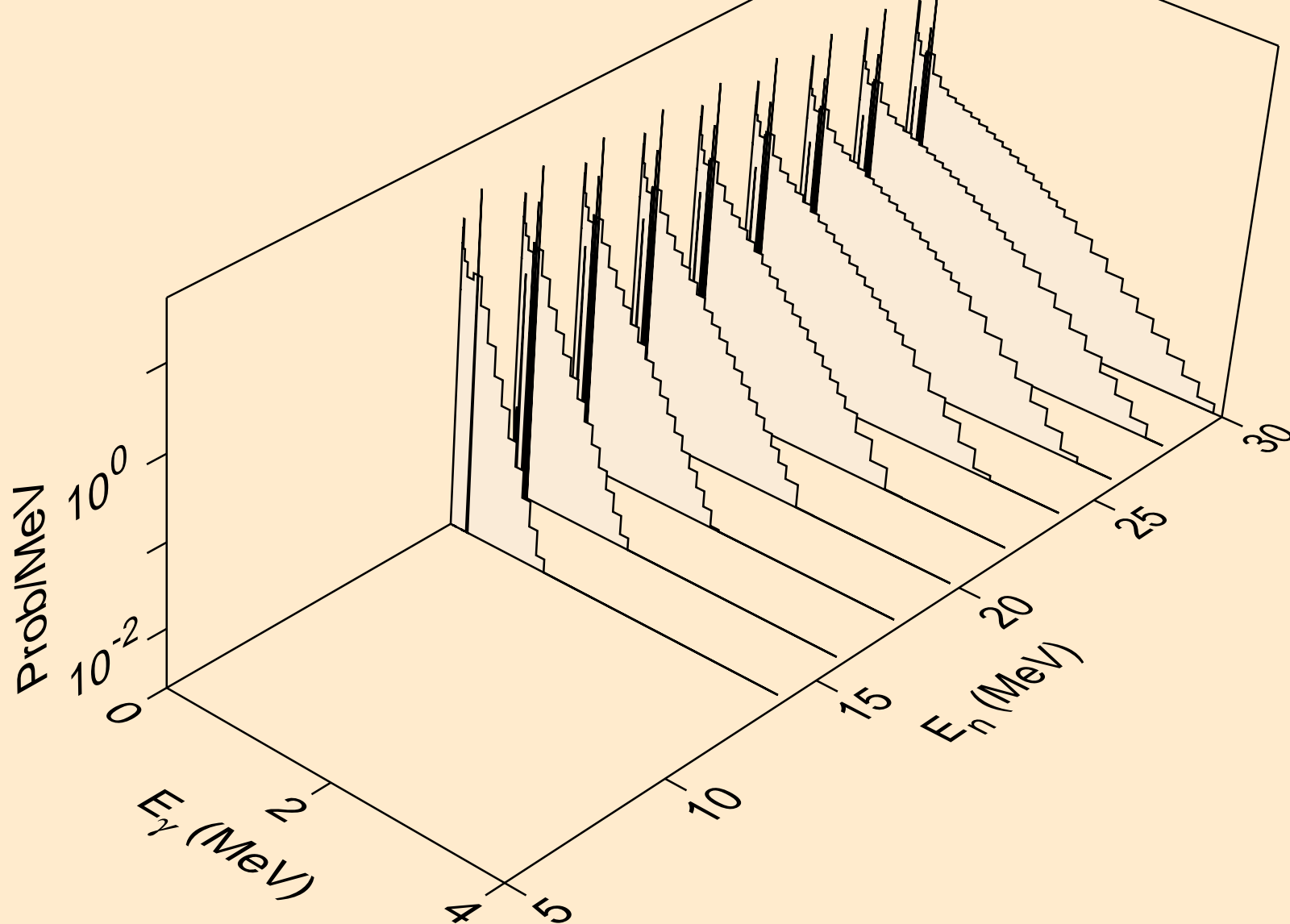
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



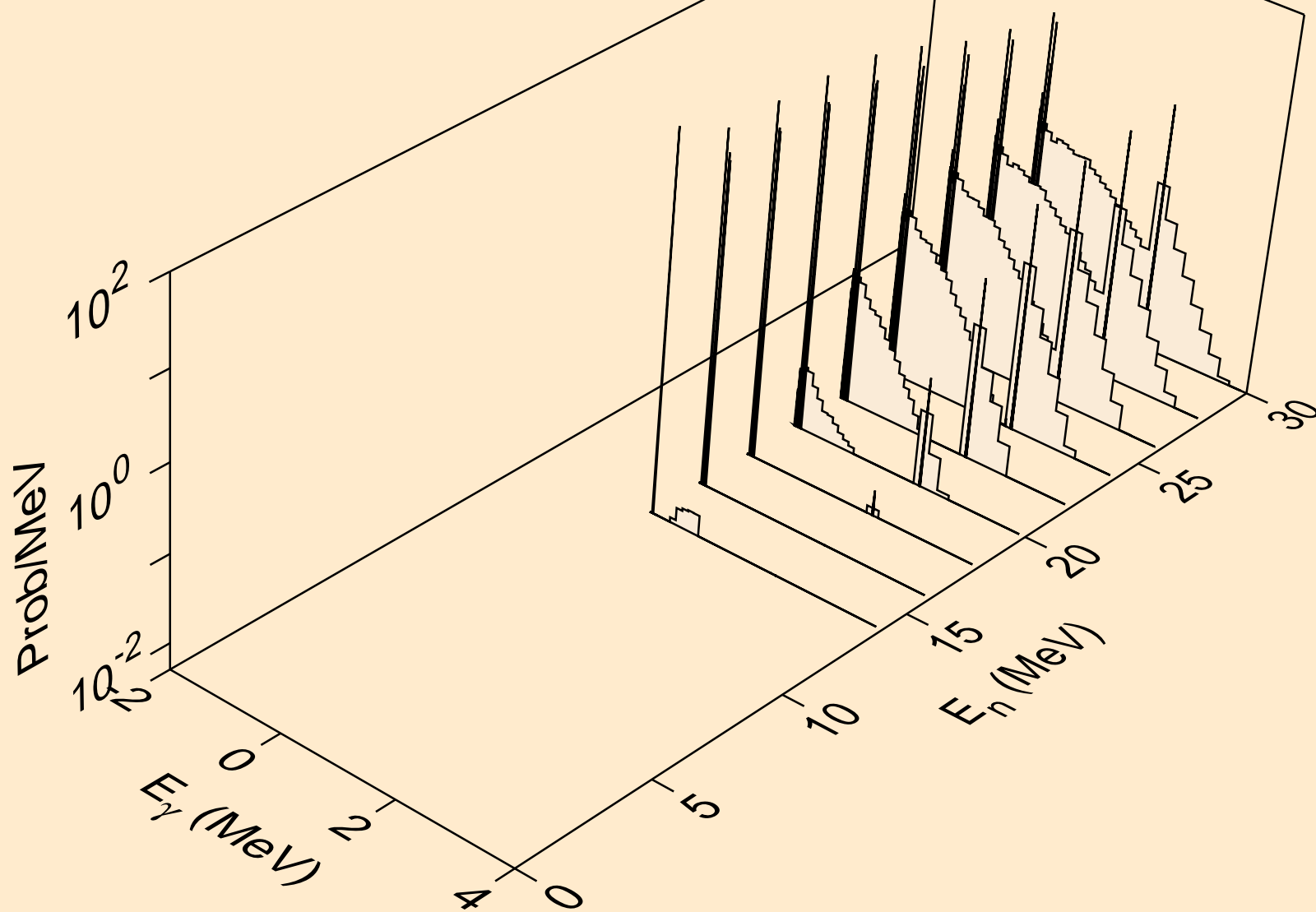
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



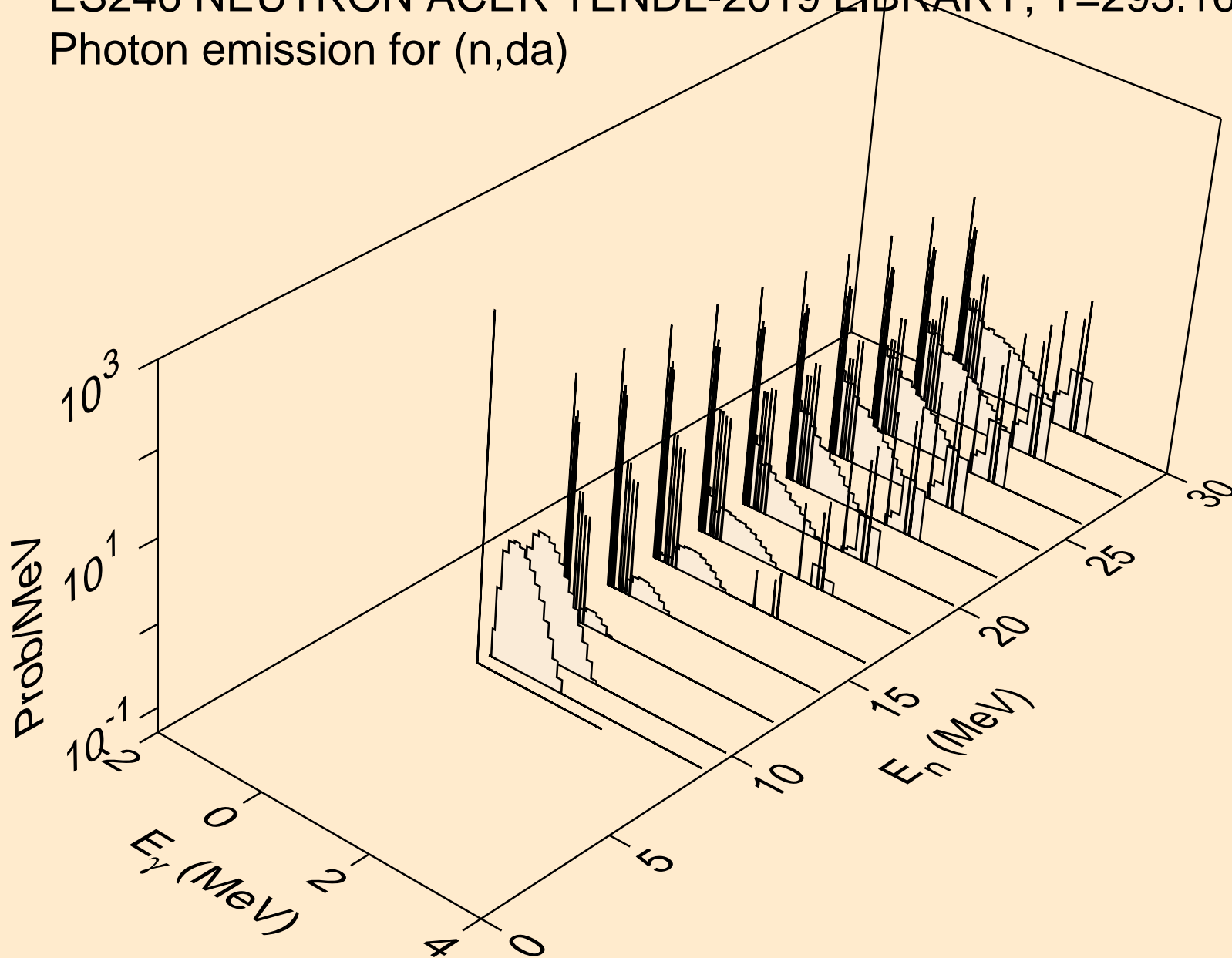
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



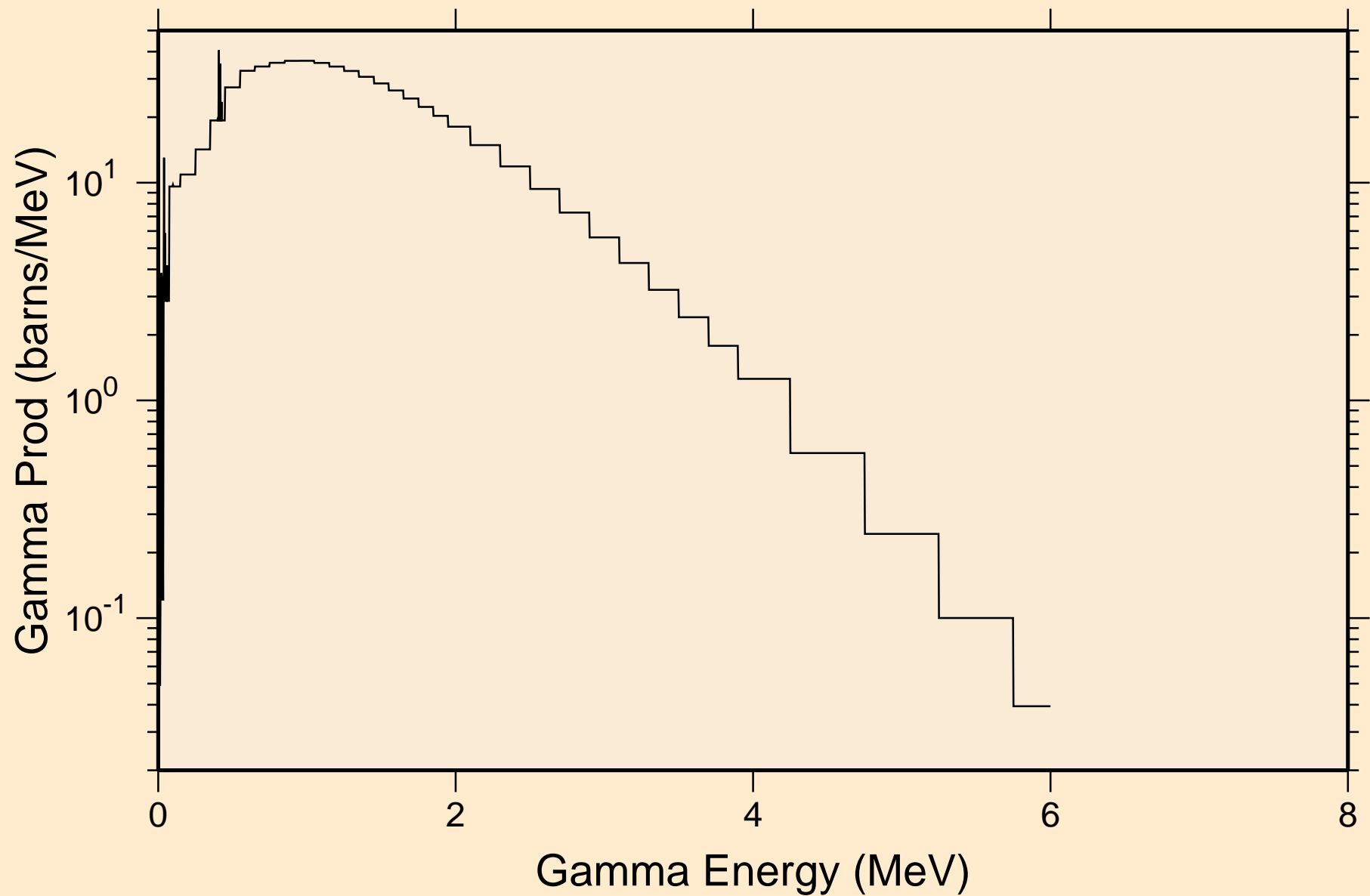
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)

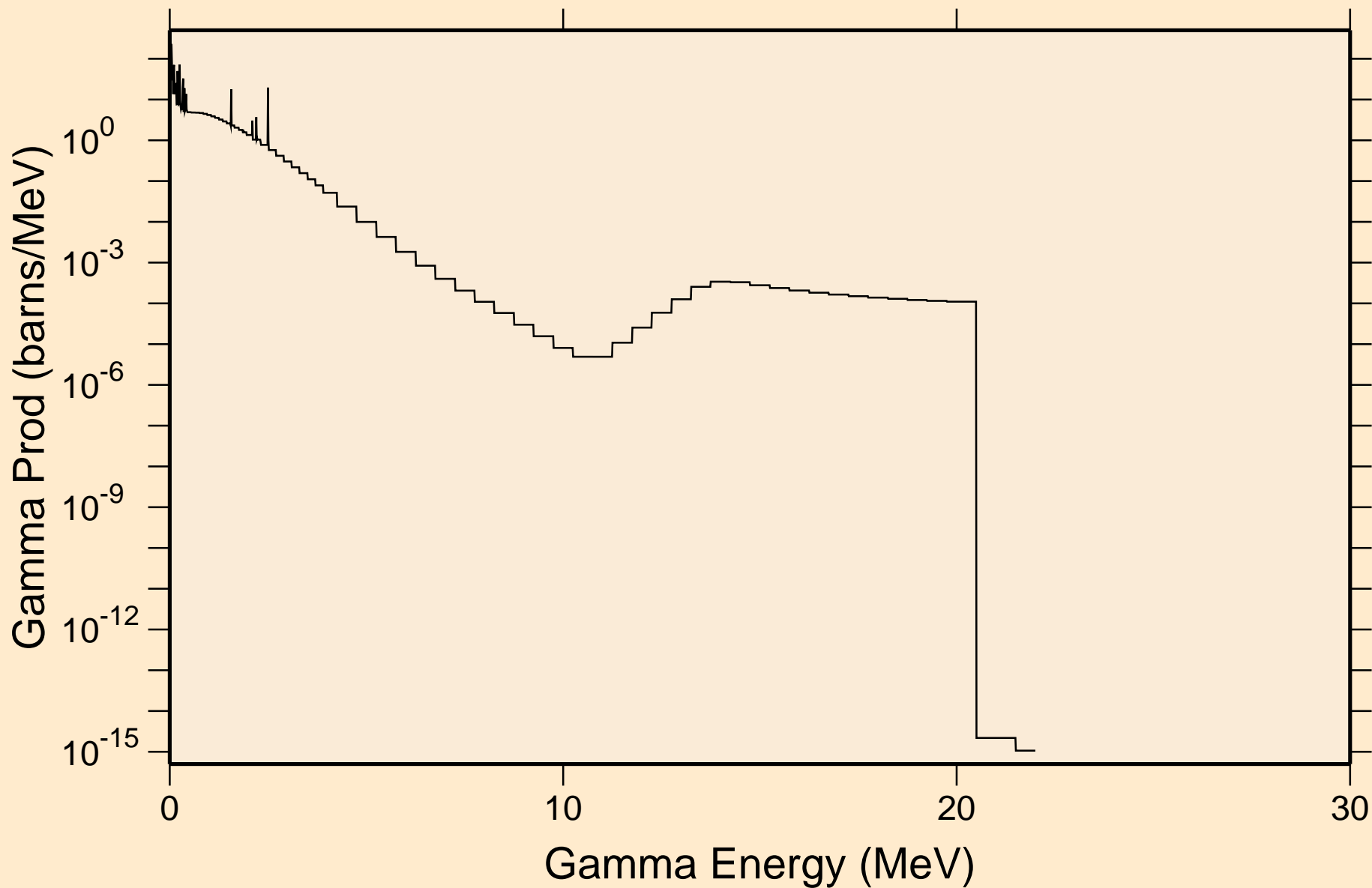


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



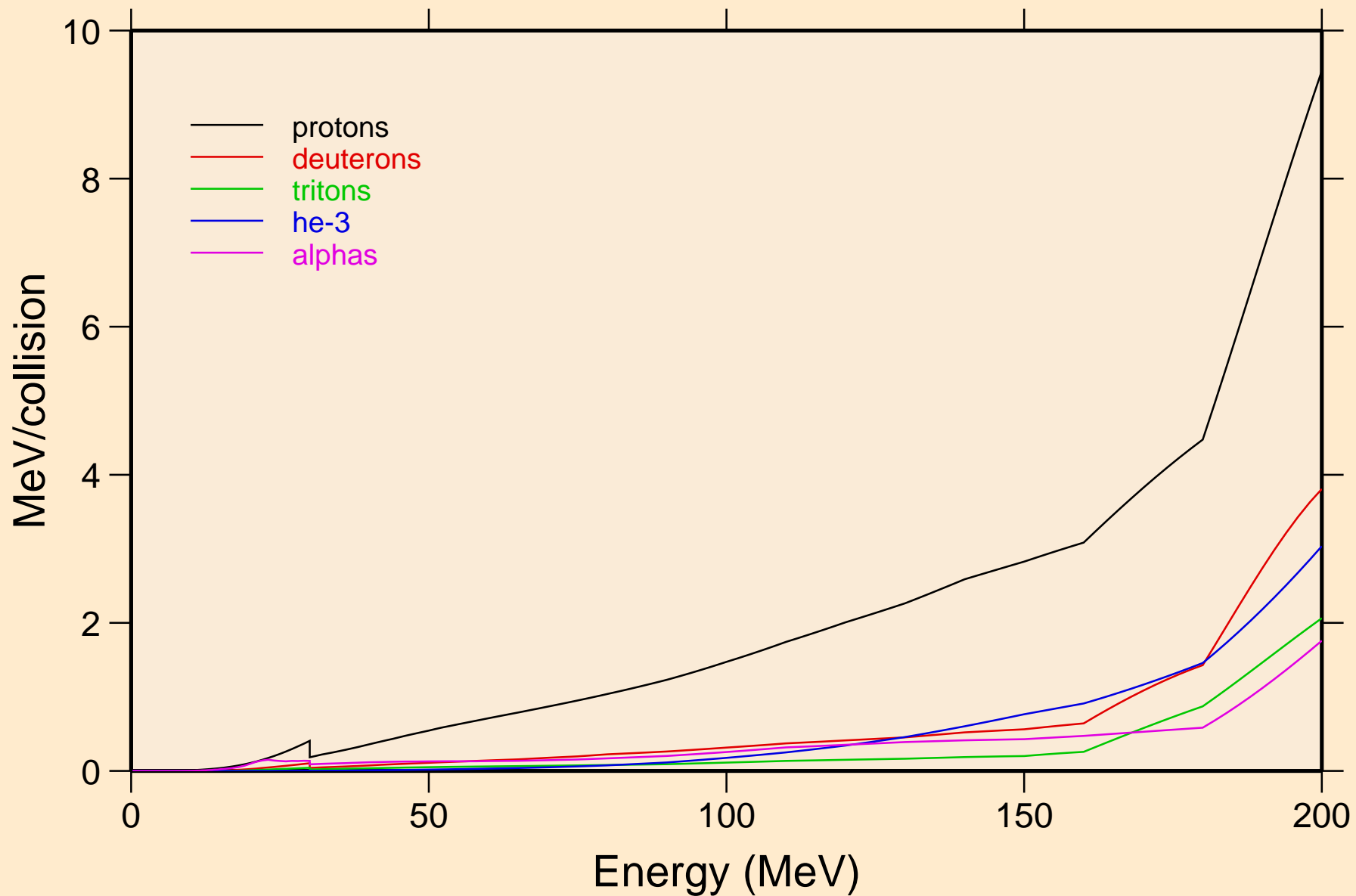


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

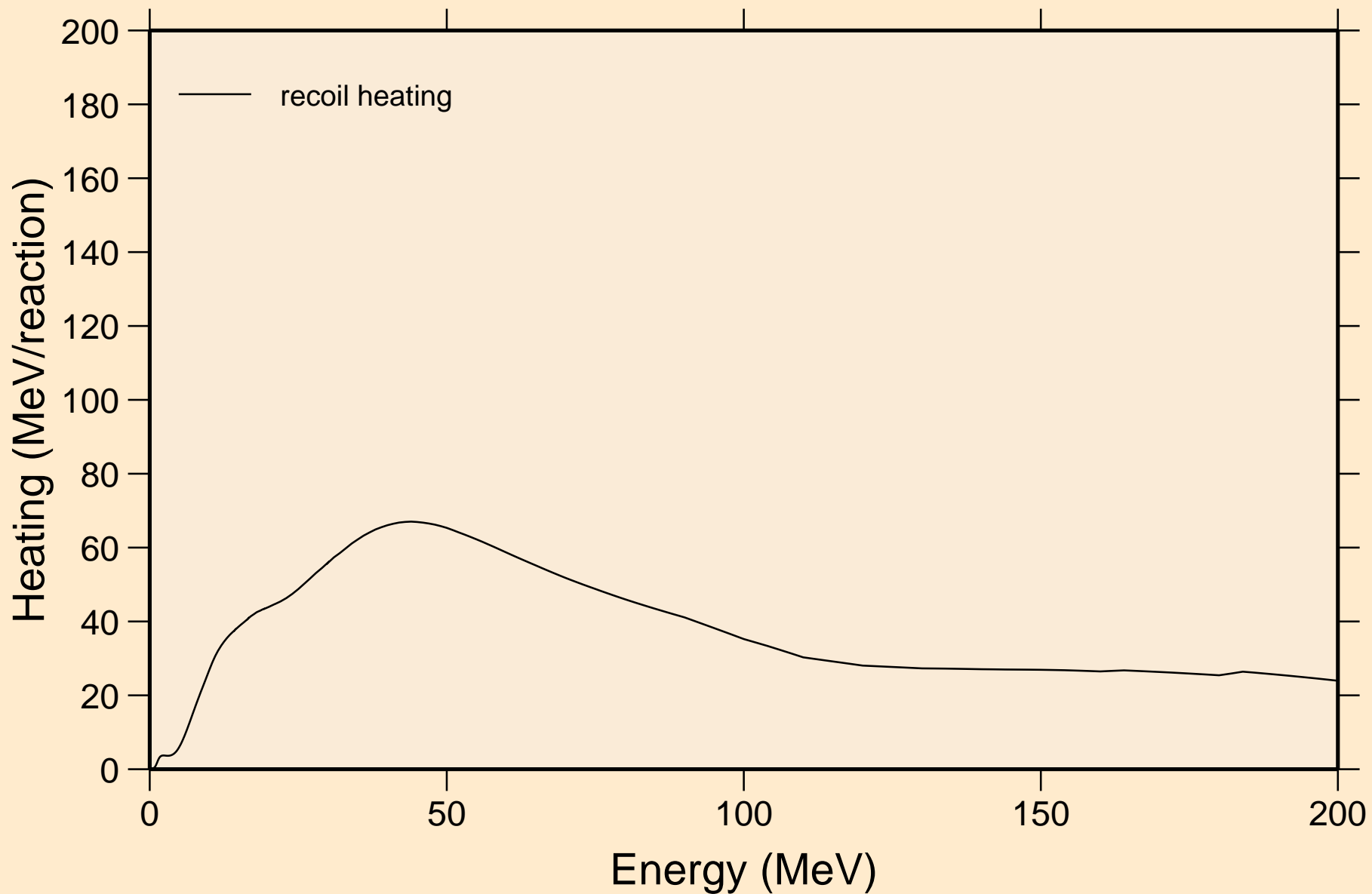


# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

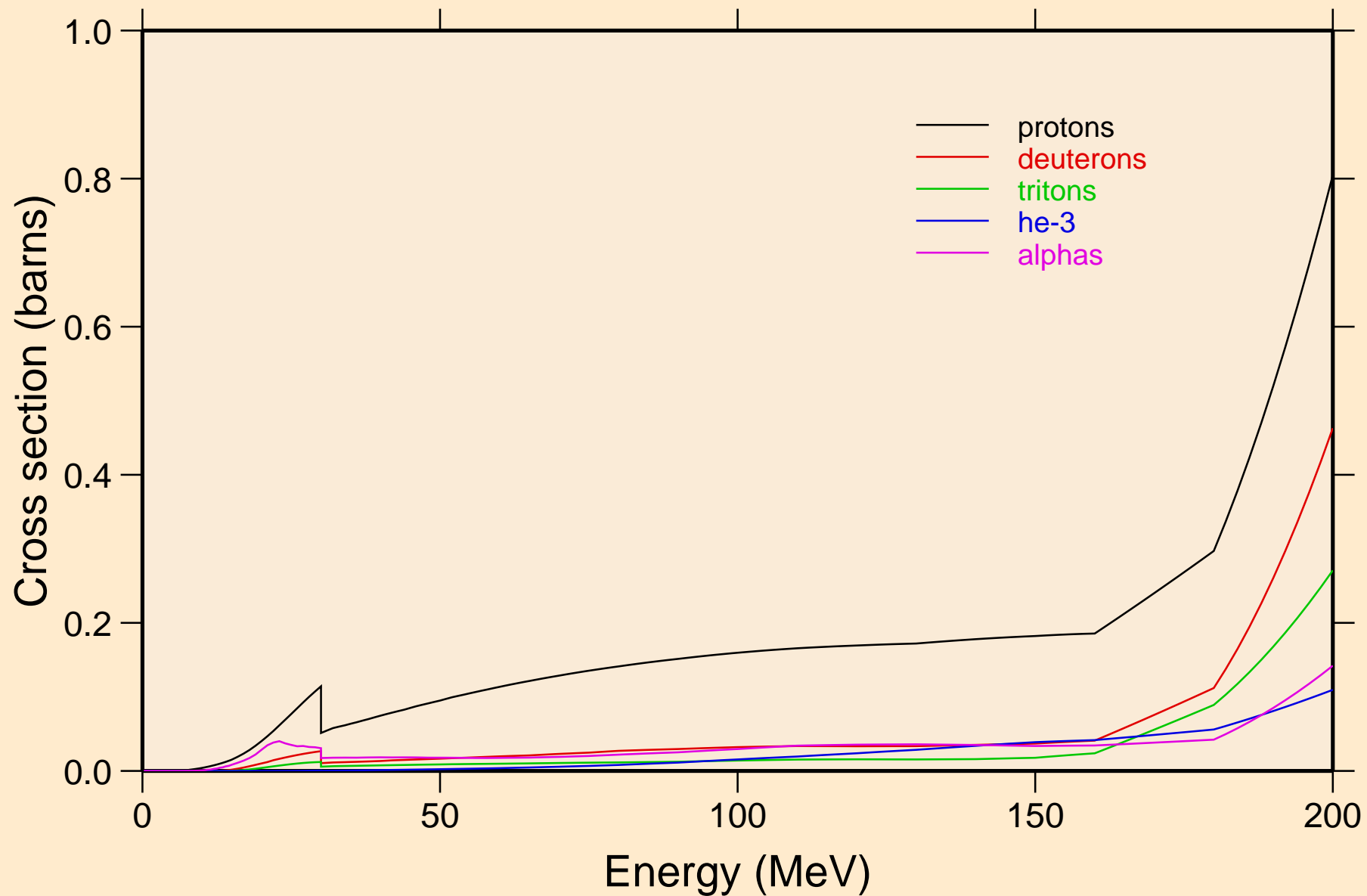


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

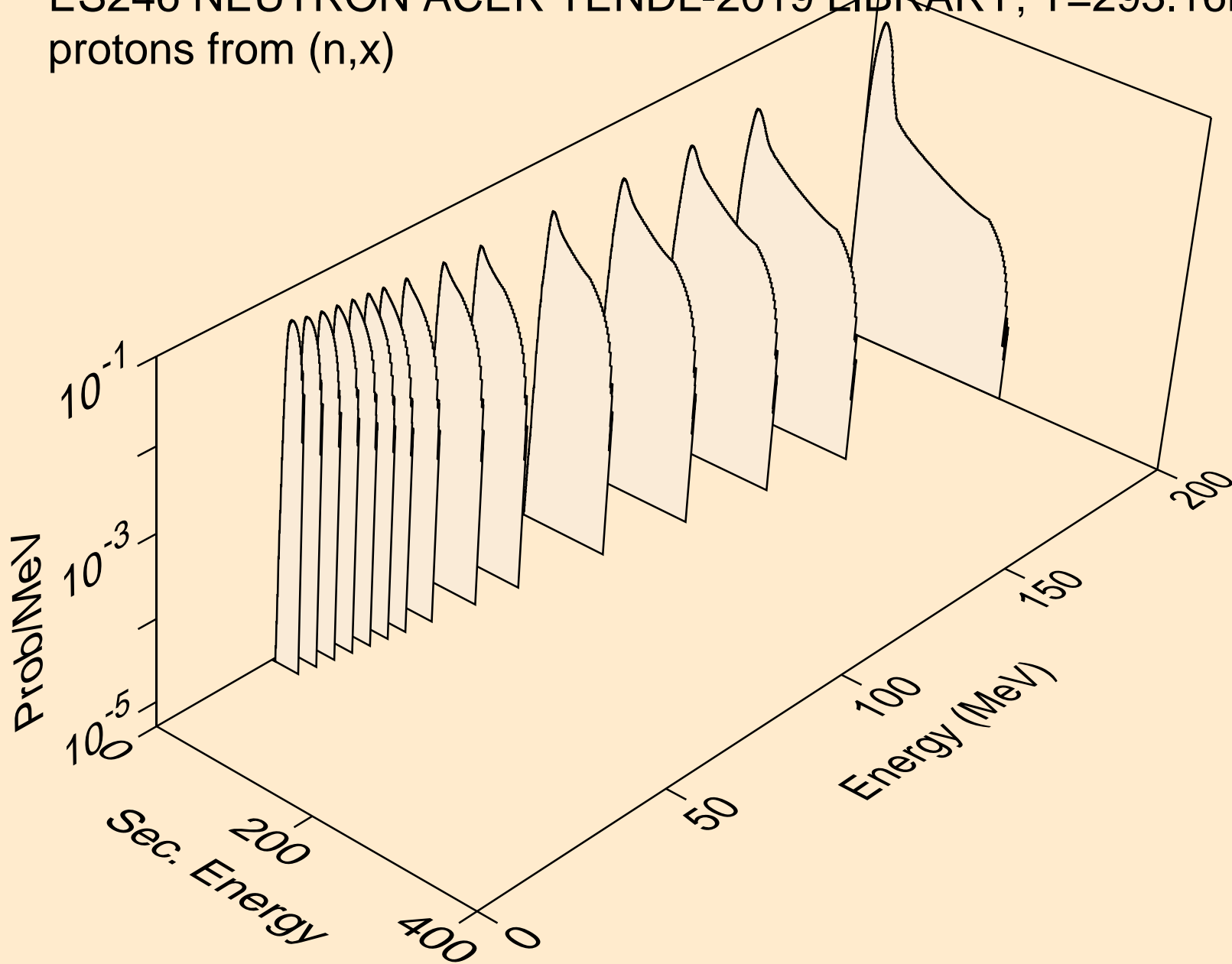


# ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

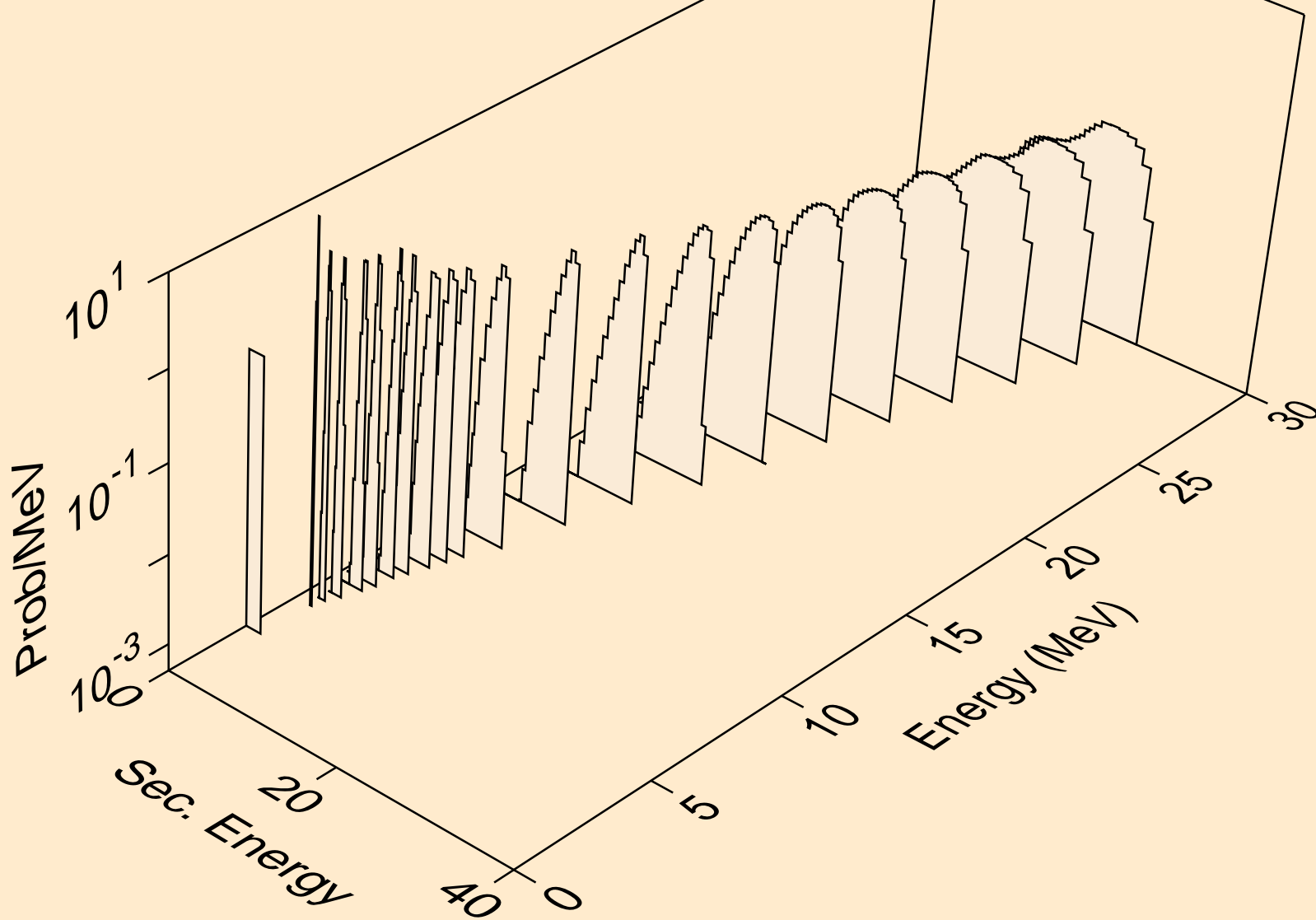
## Particle production cross sections



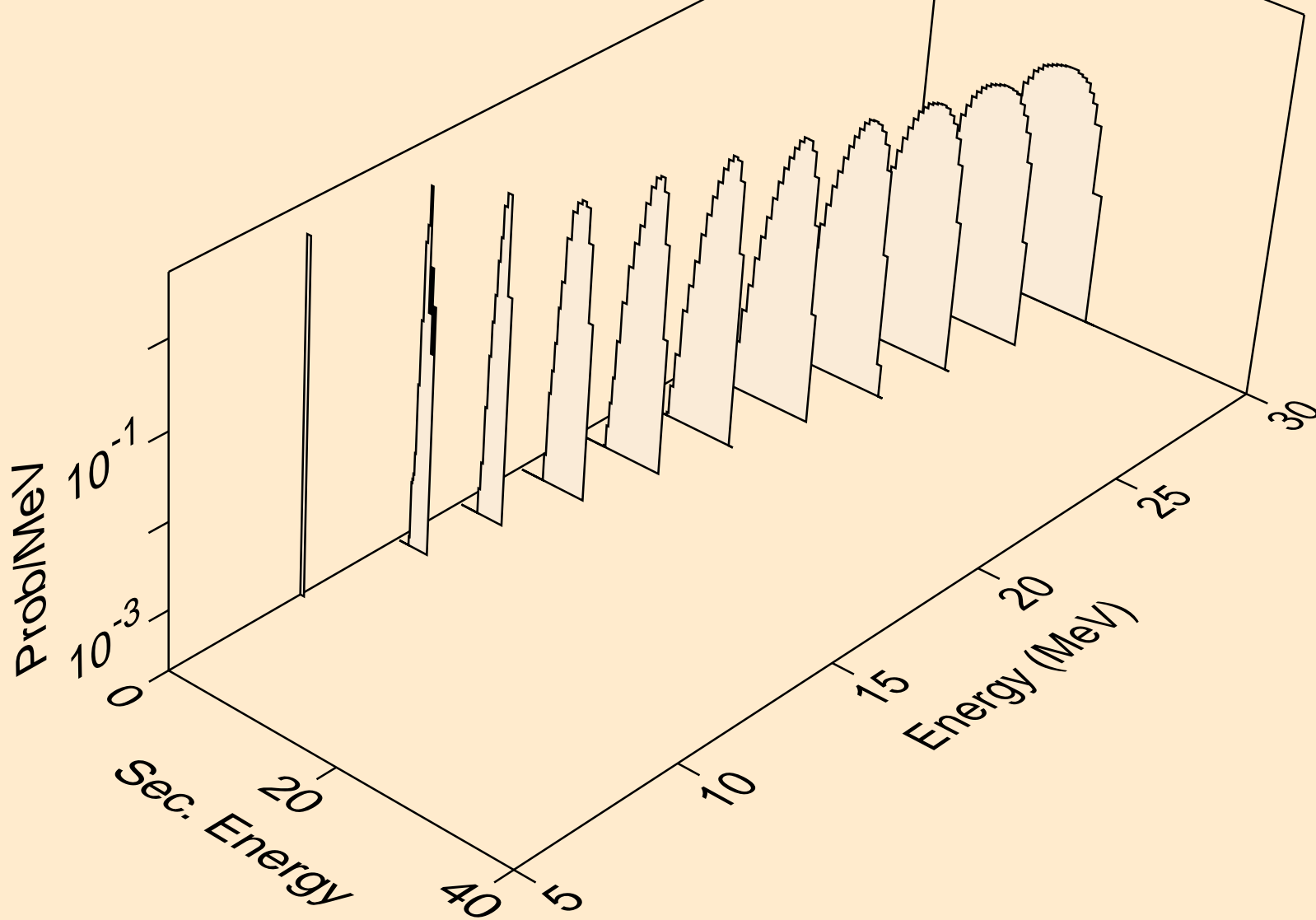
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



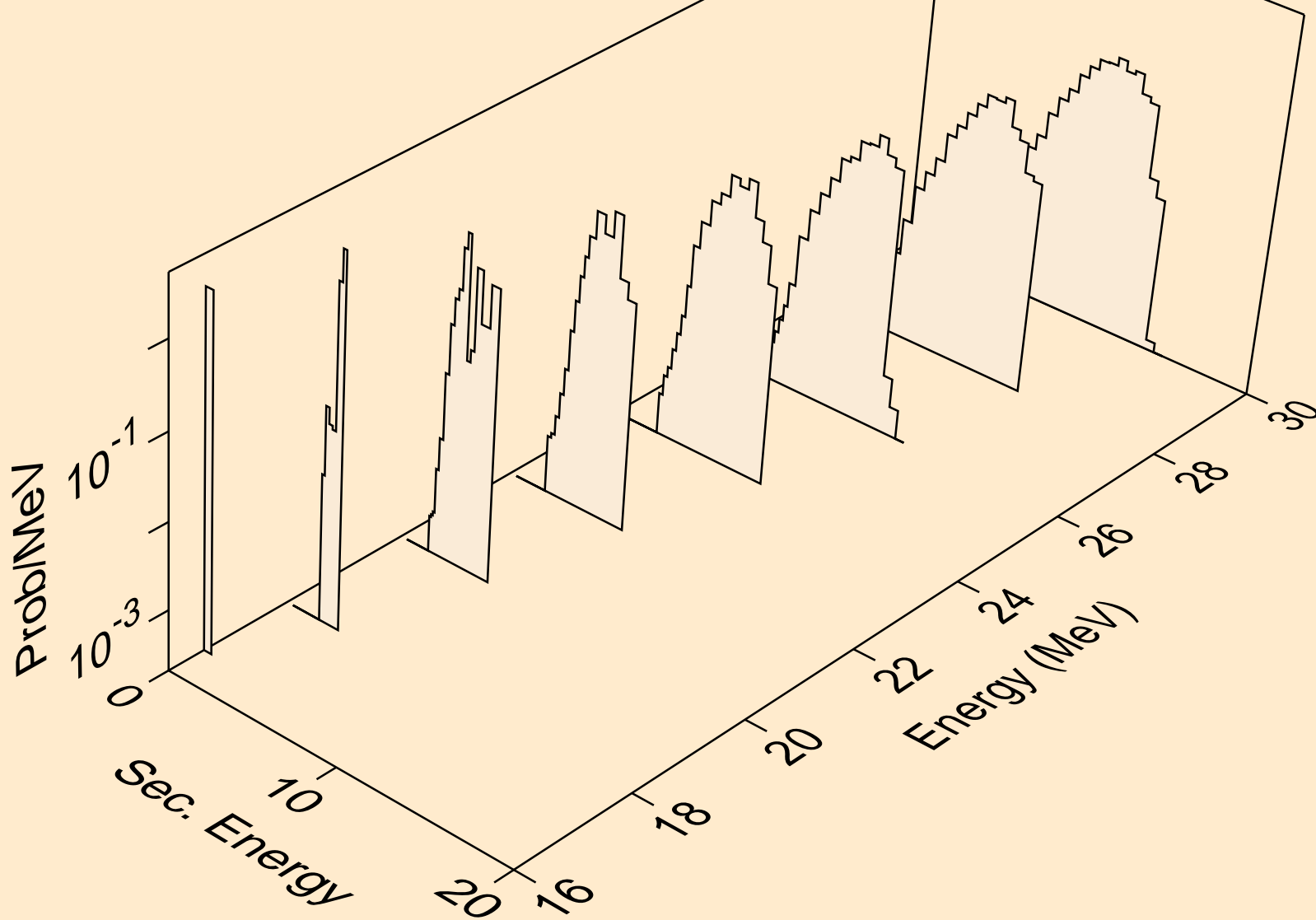
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

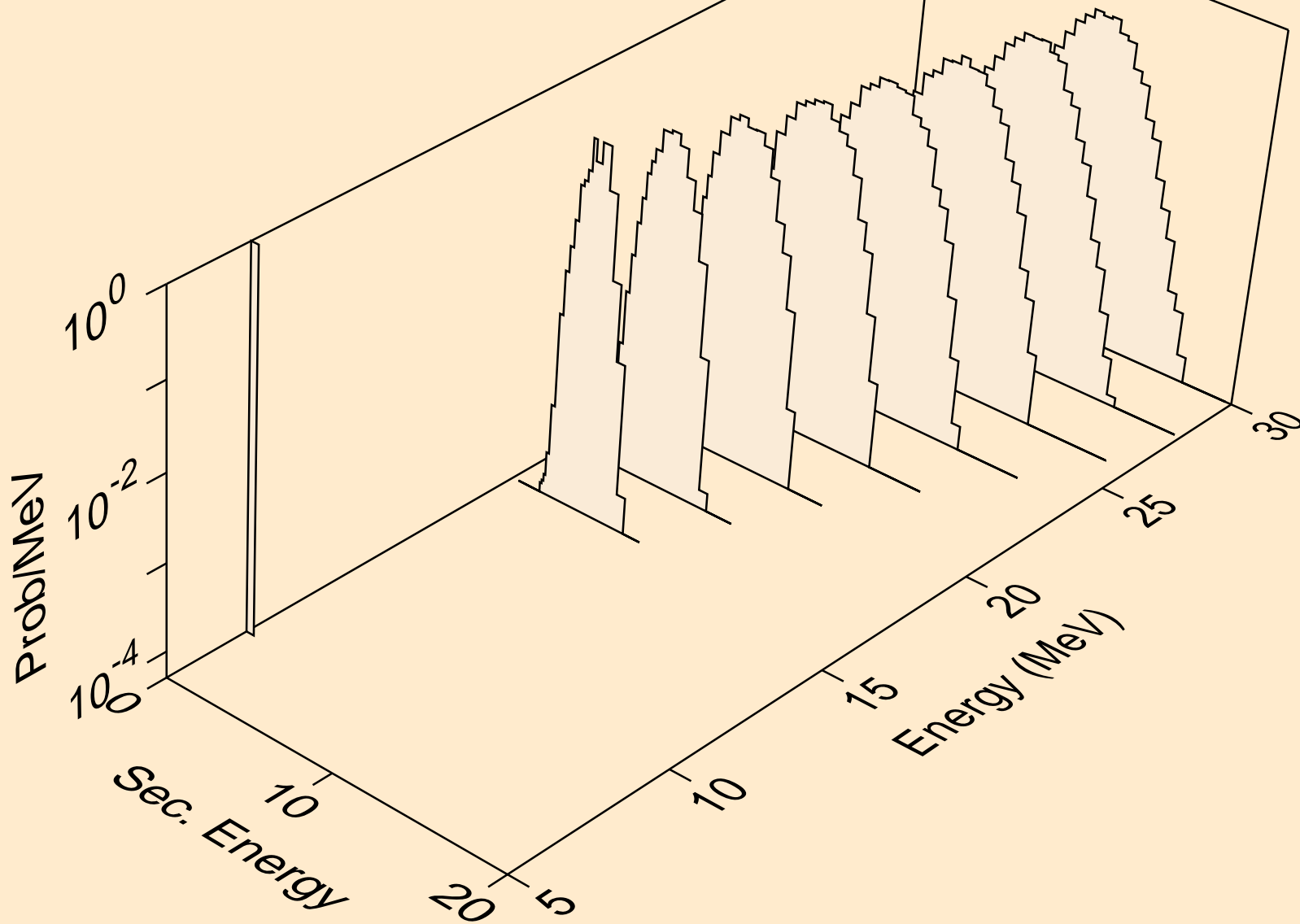


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)

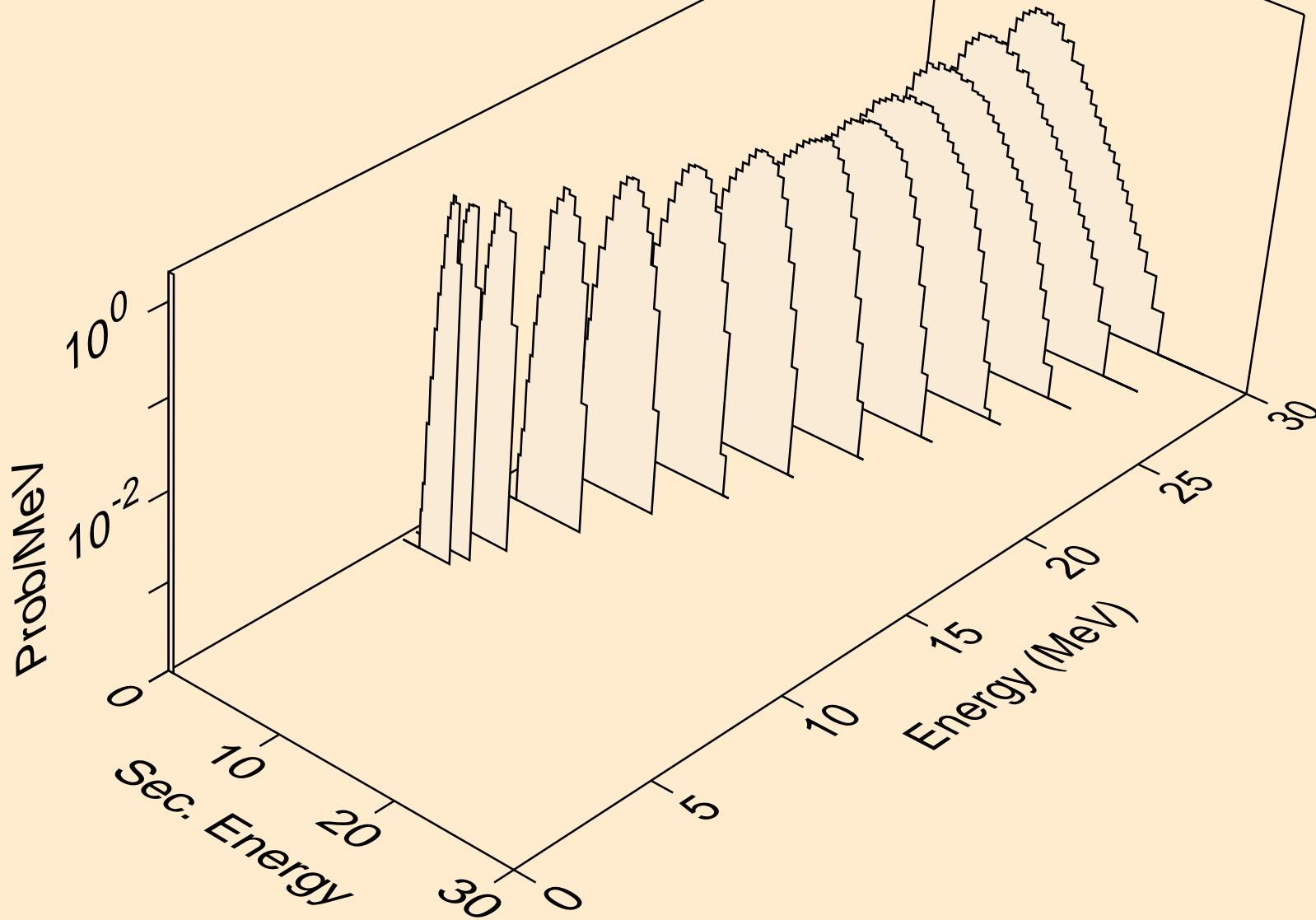




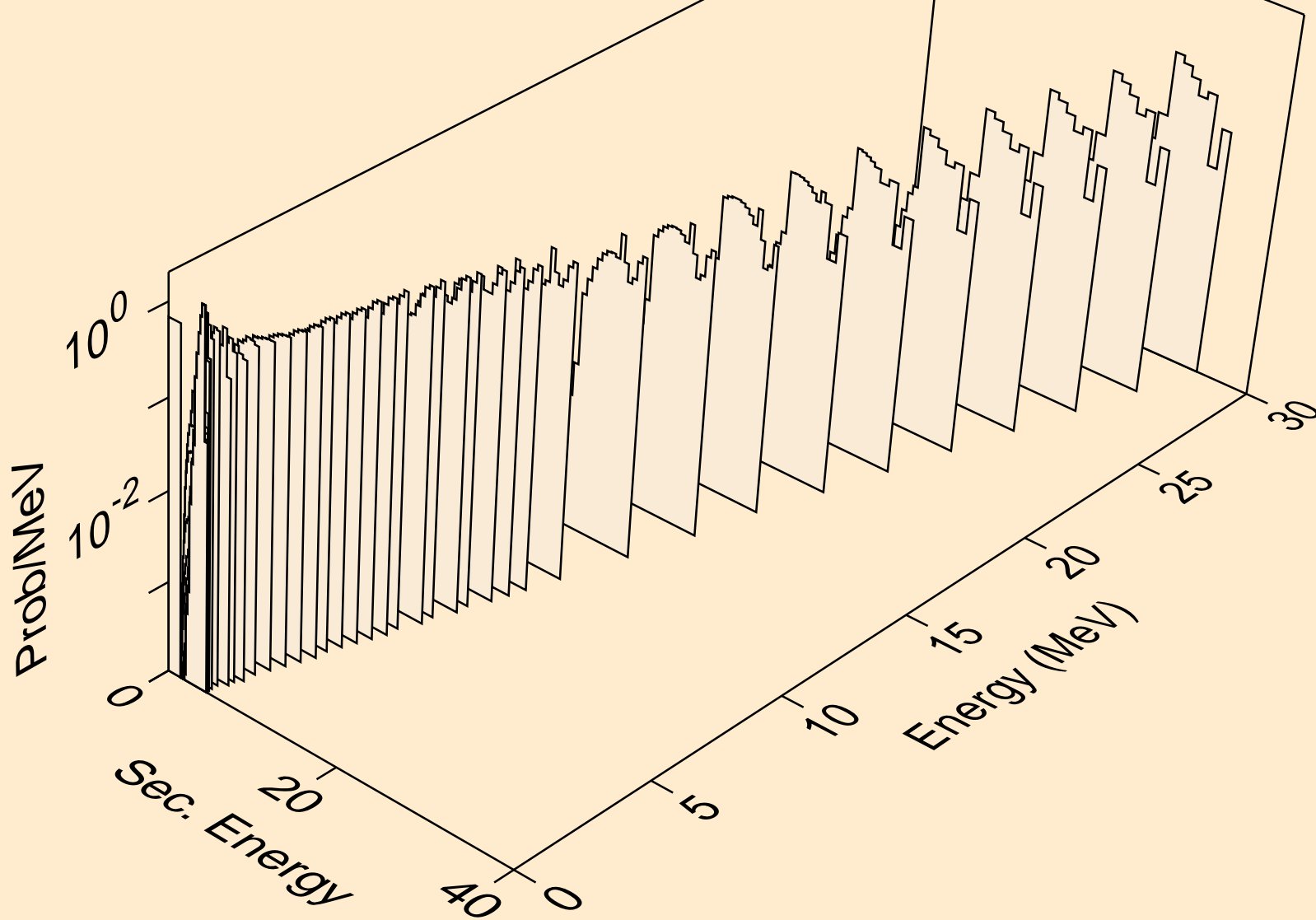
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



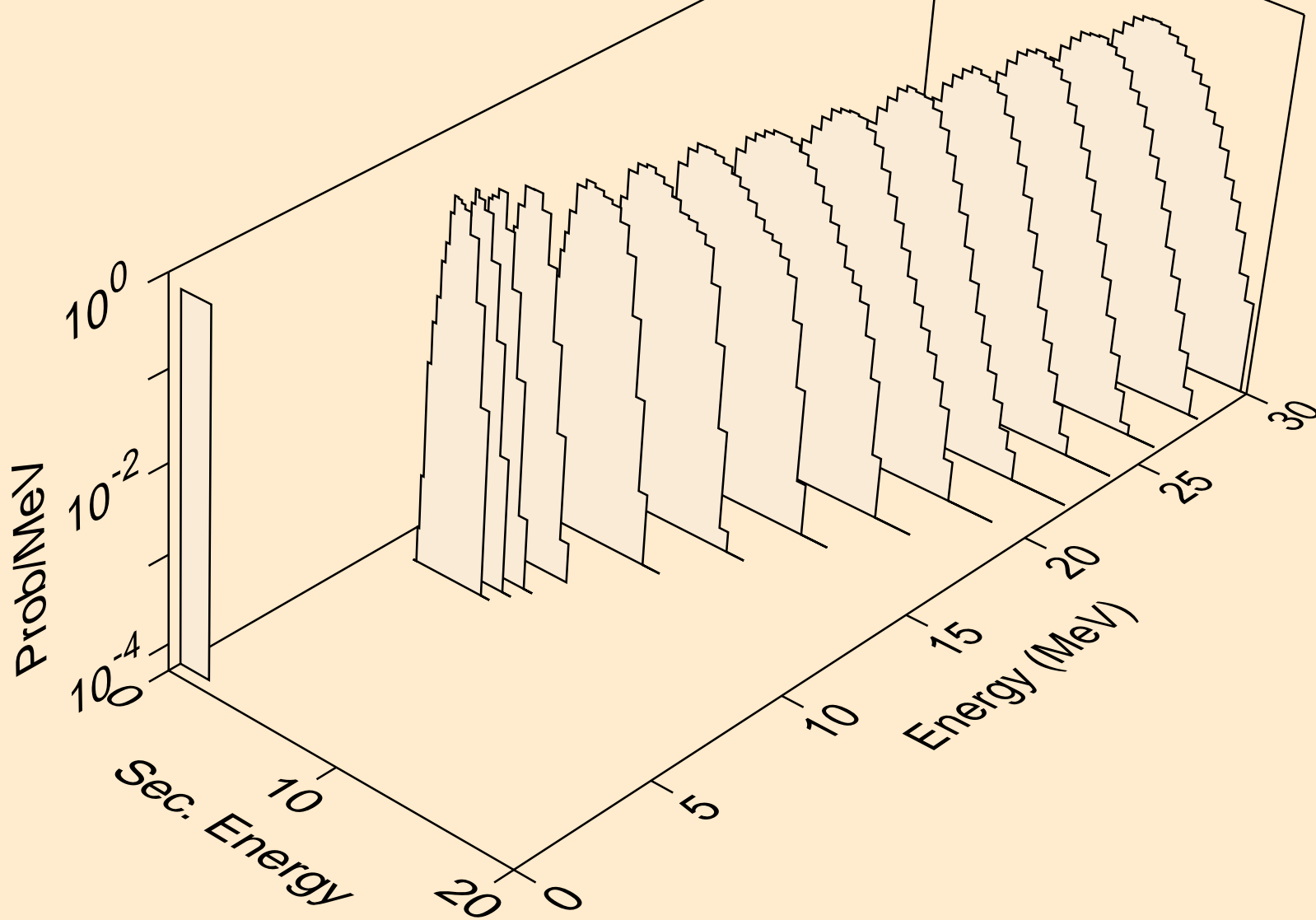
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



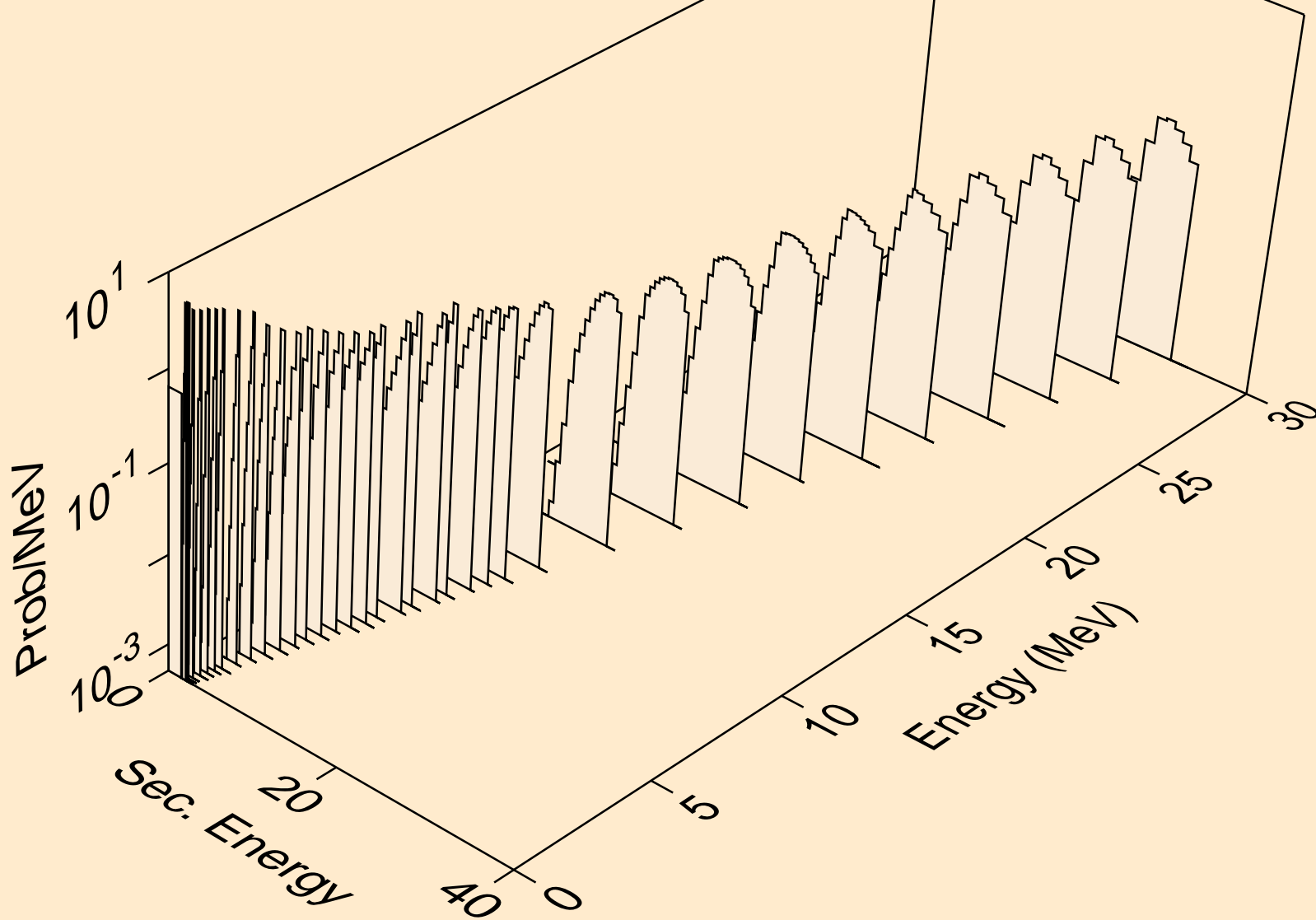
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



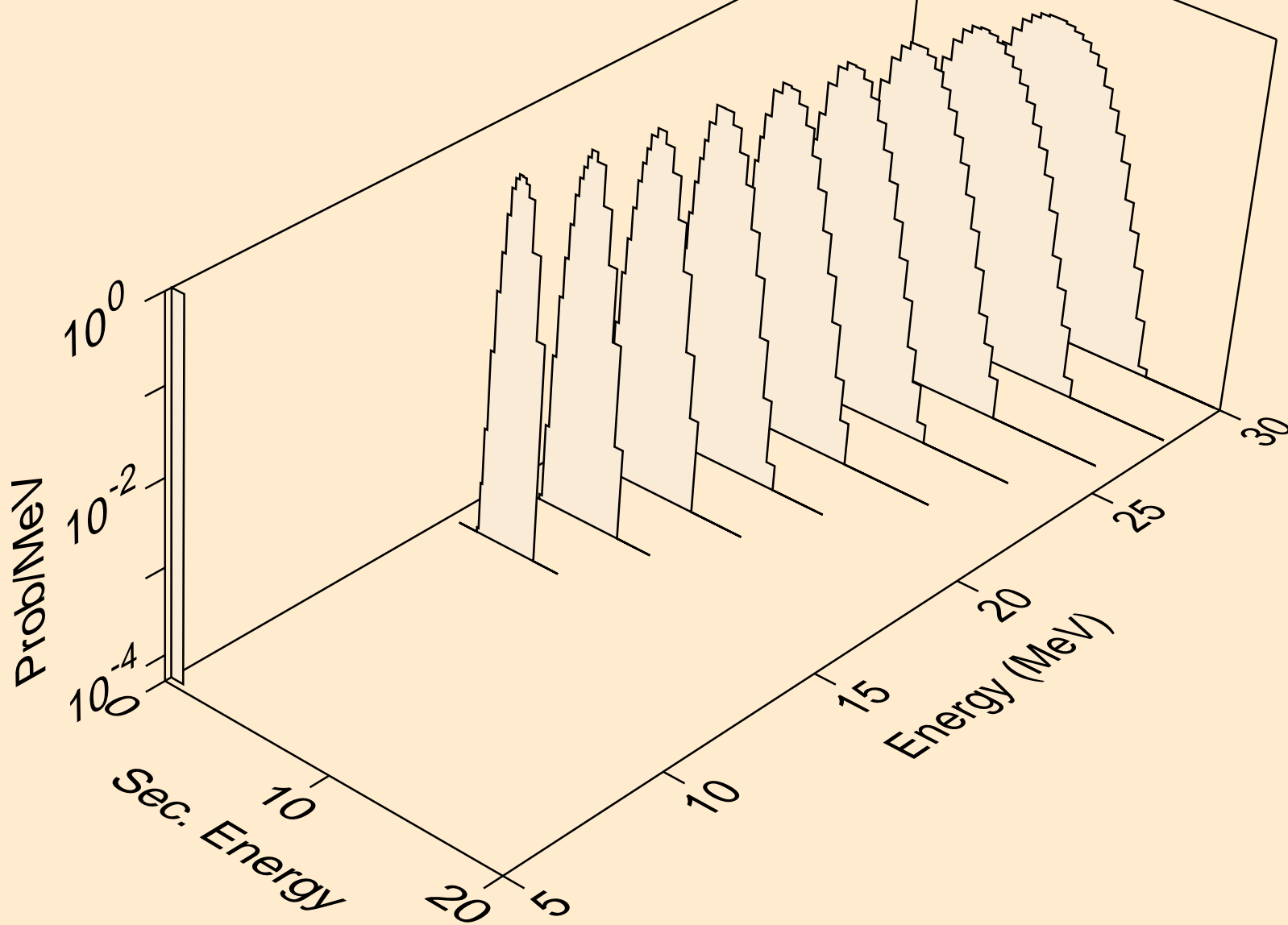
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



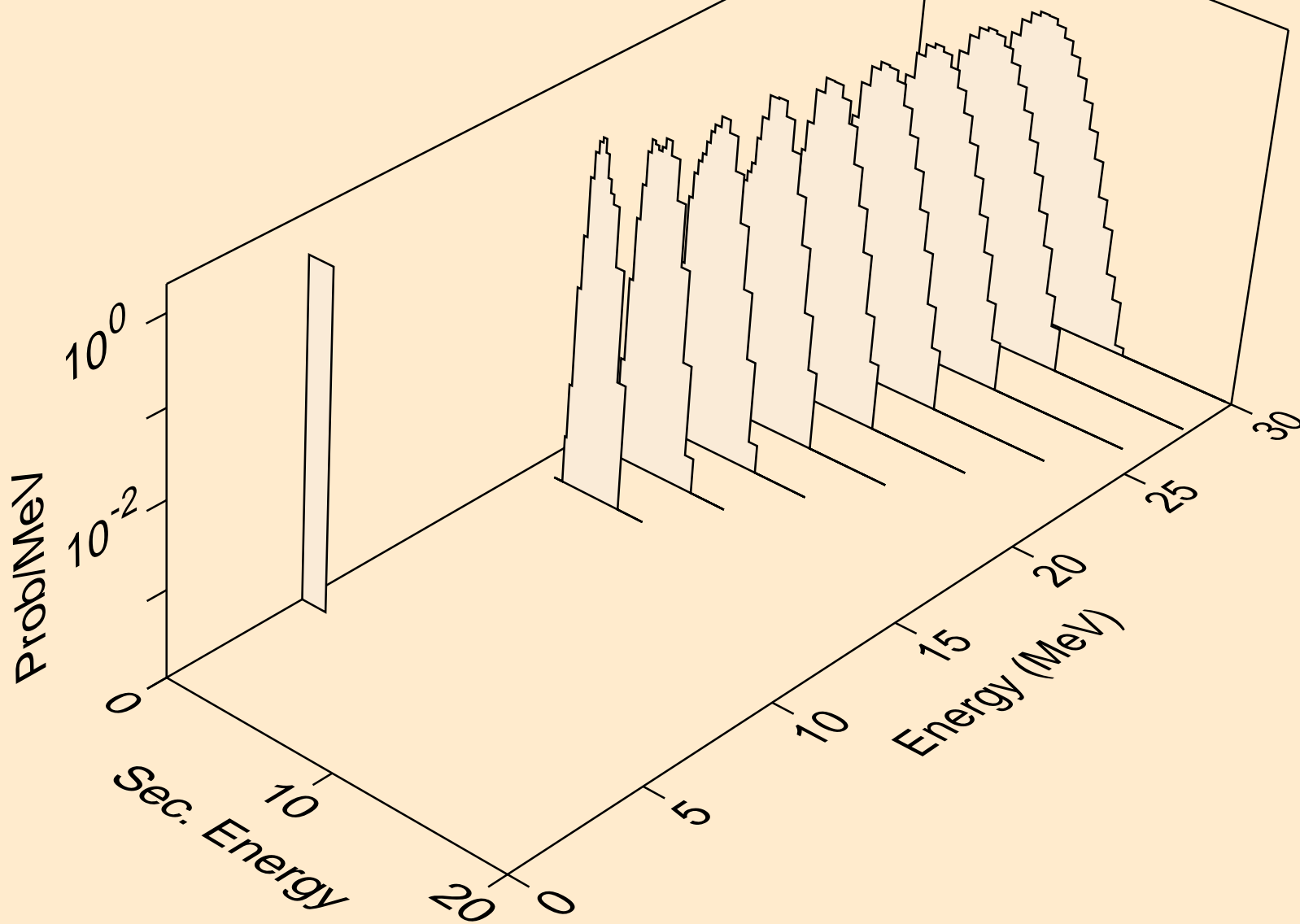
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



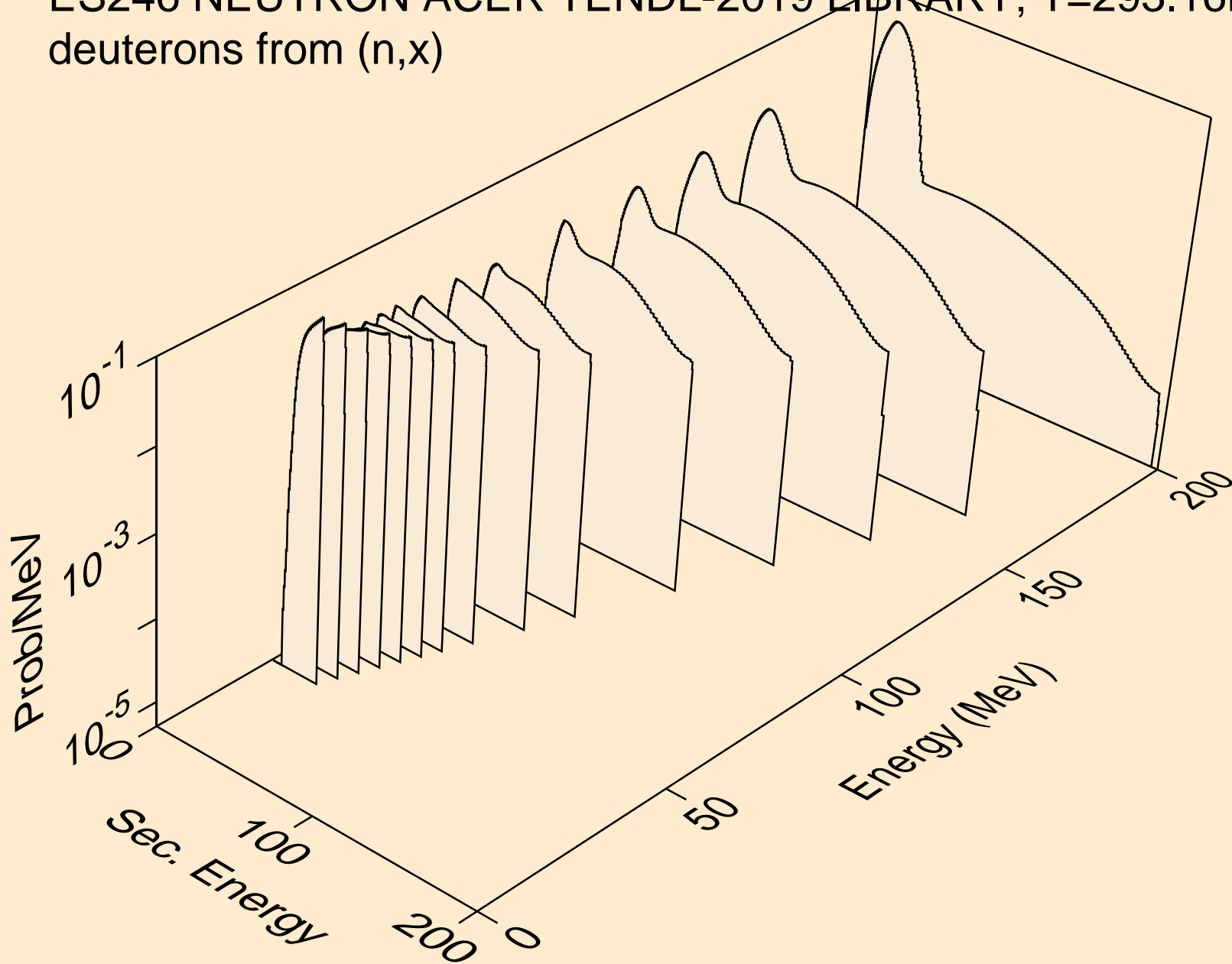
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)

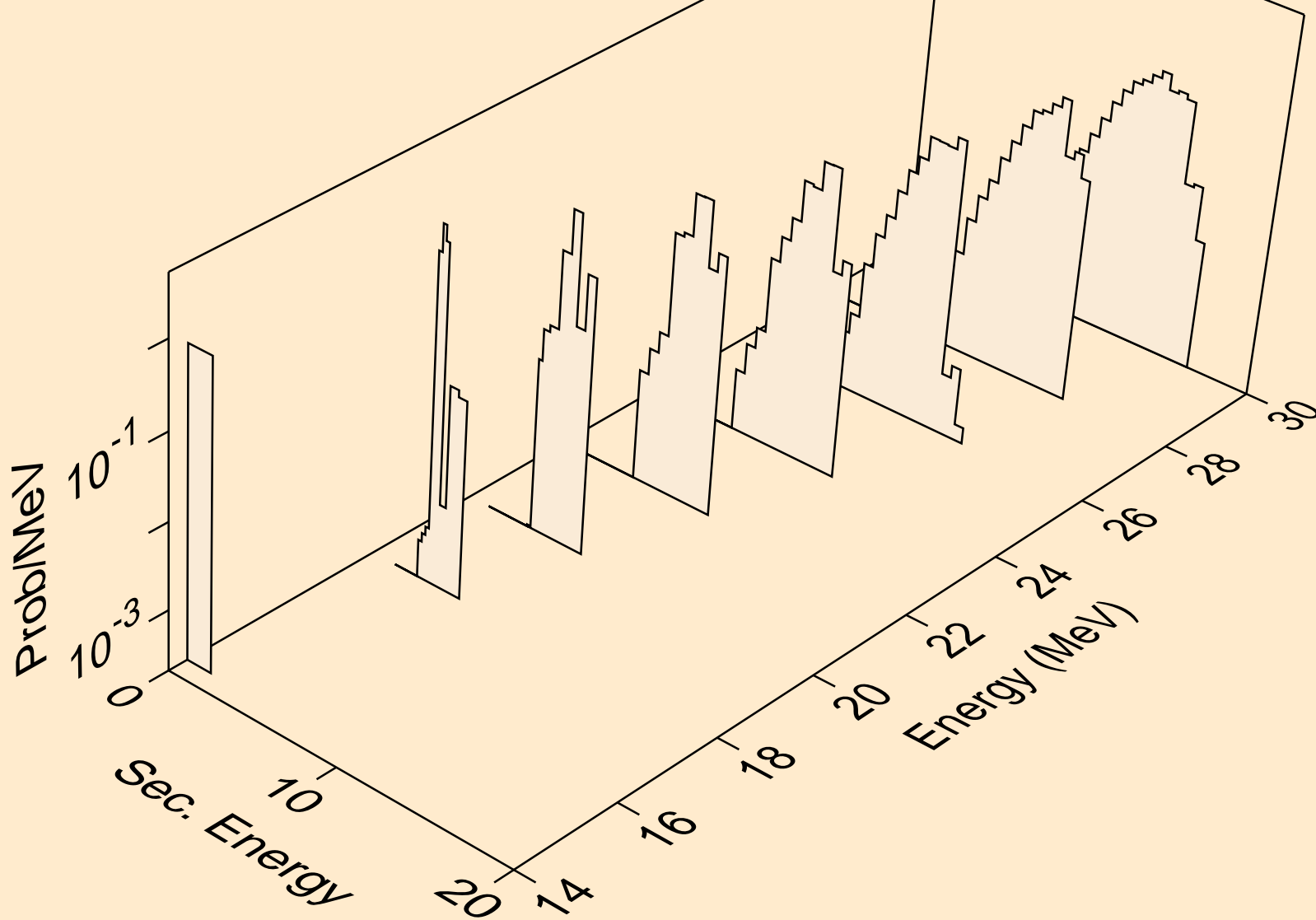


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)

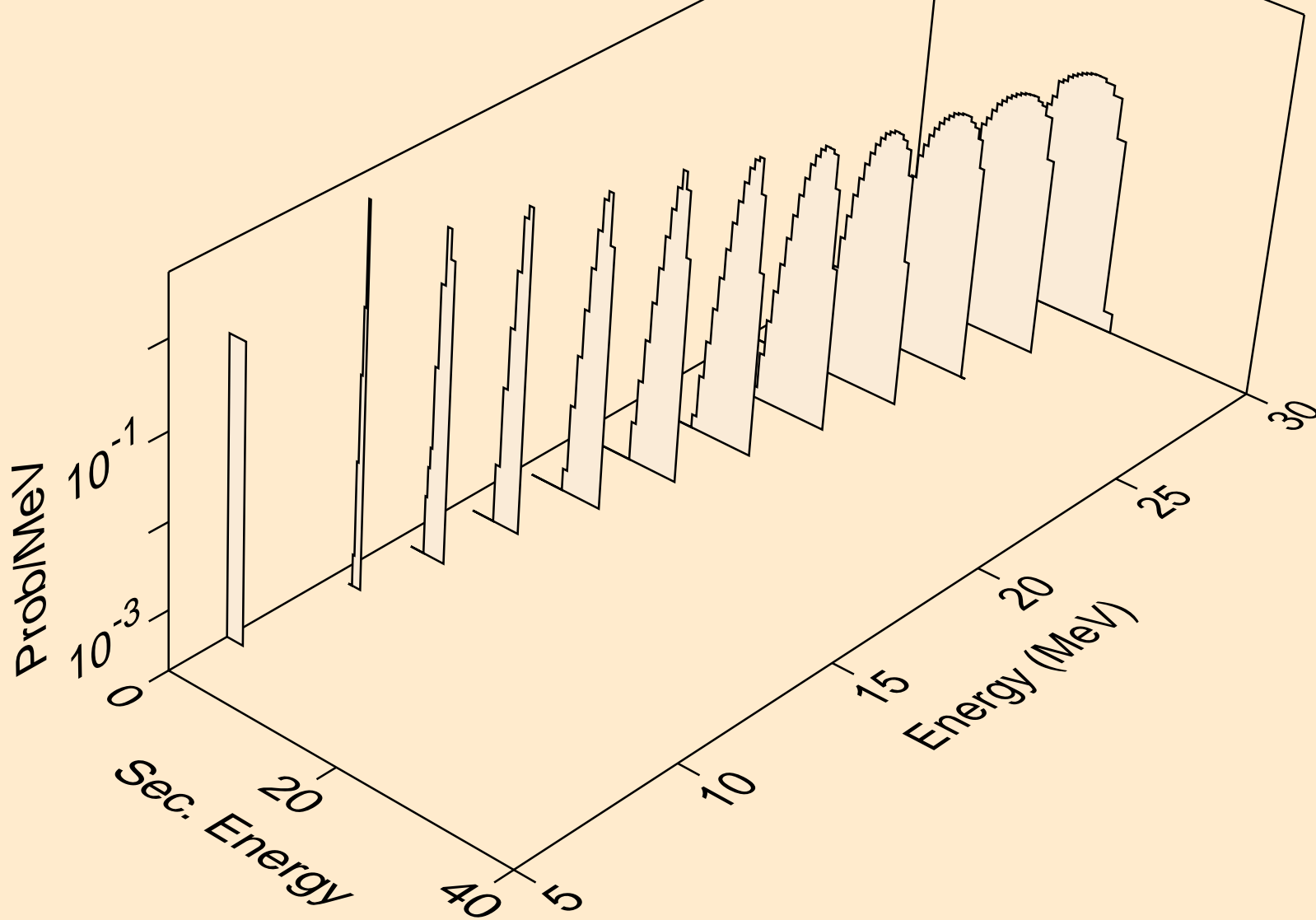




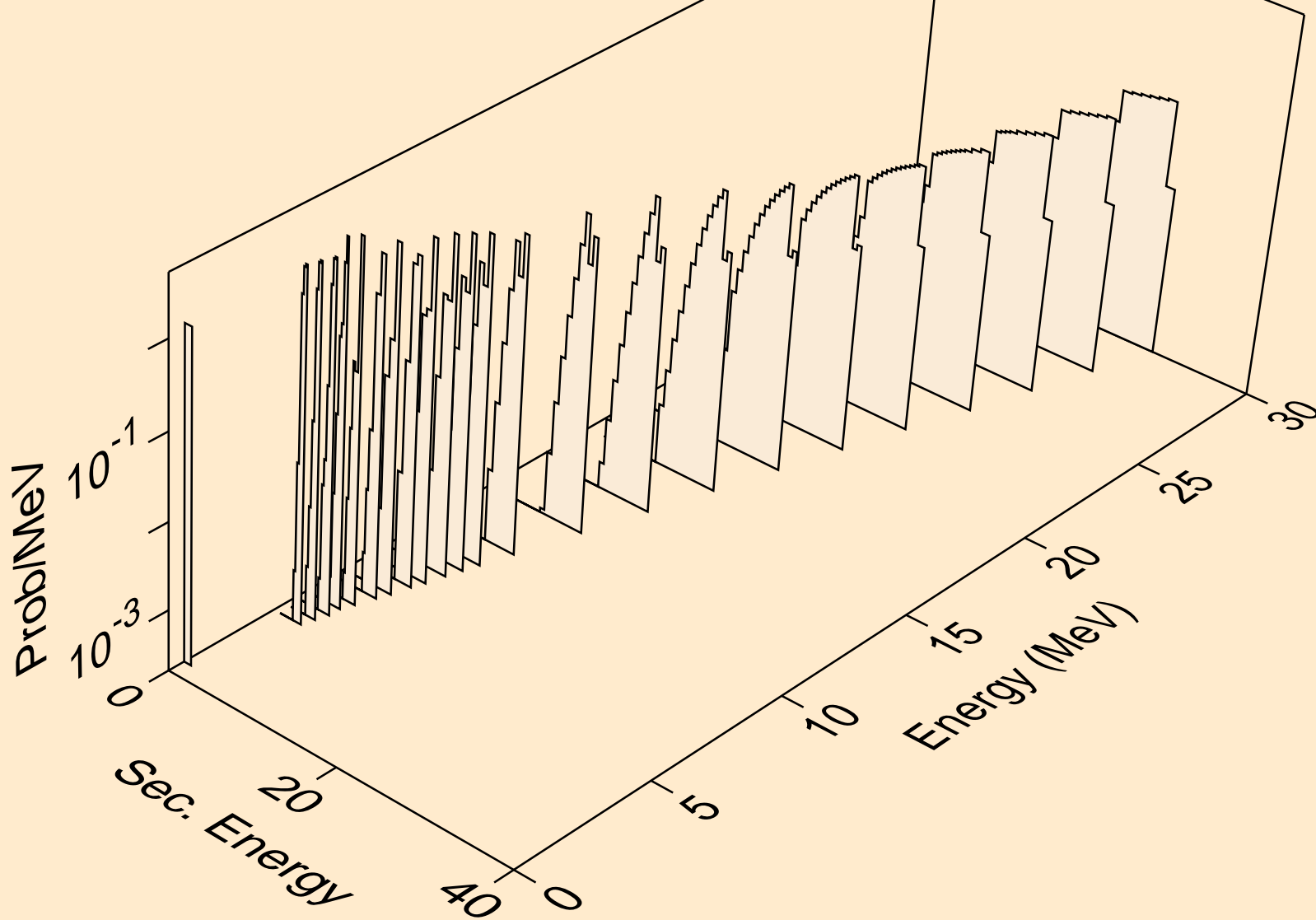
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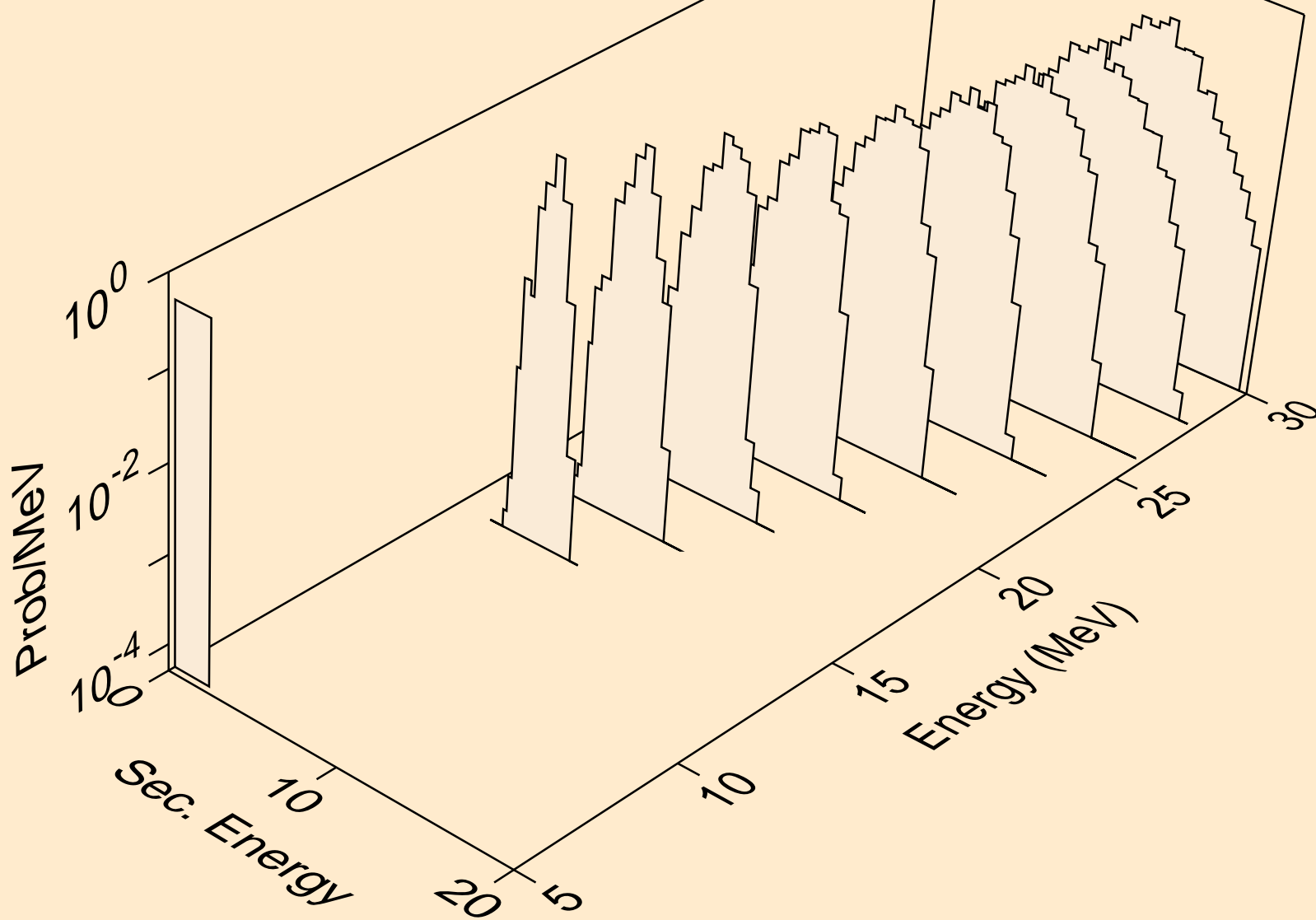
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



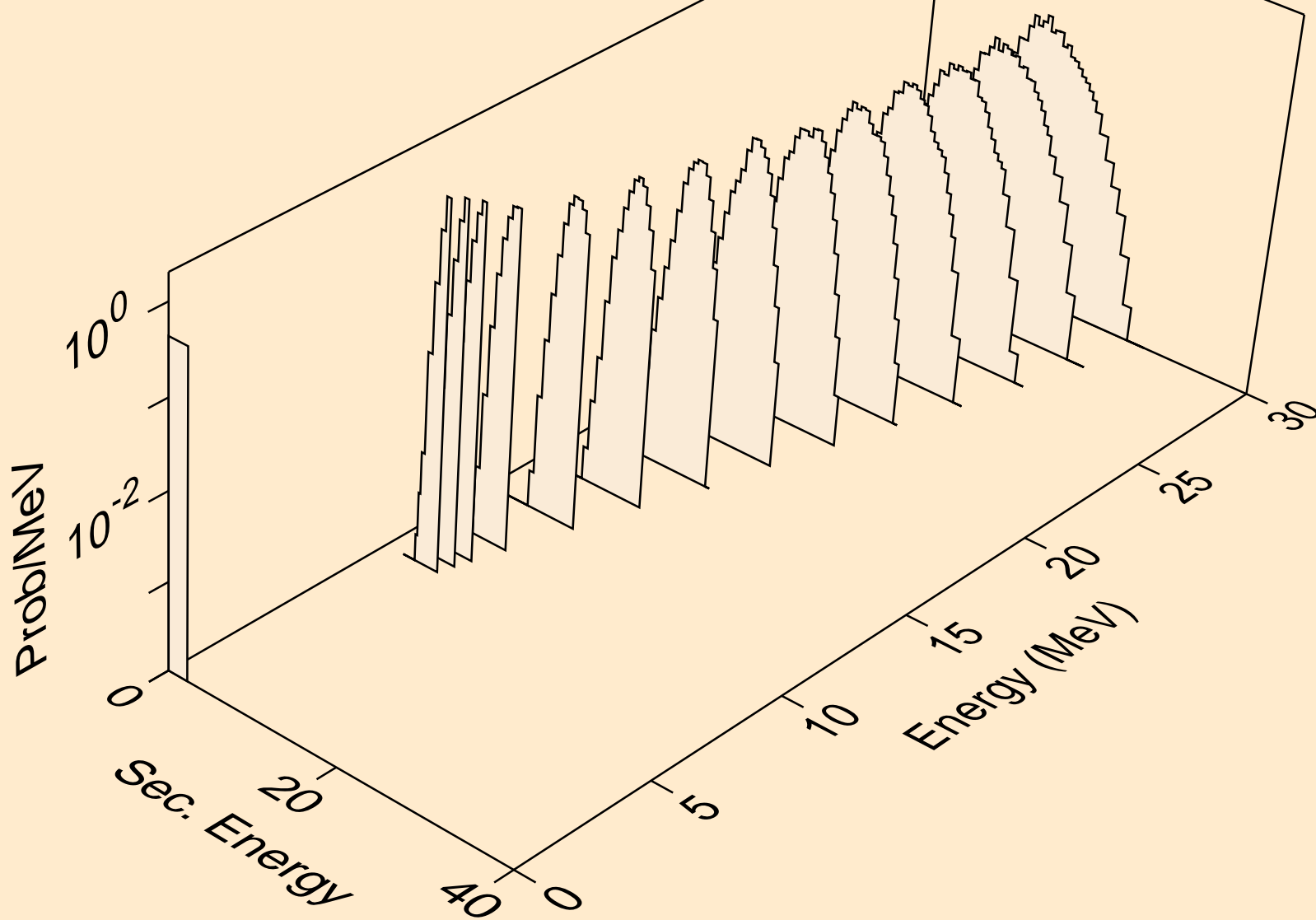
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deuterons from (n,d)



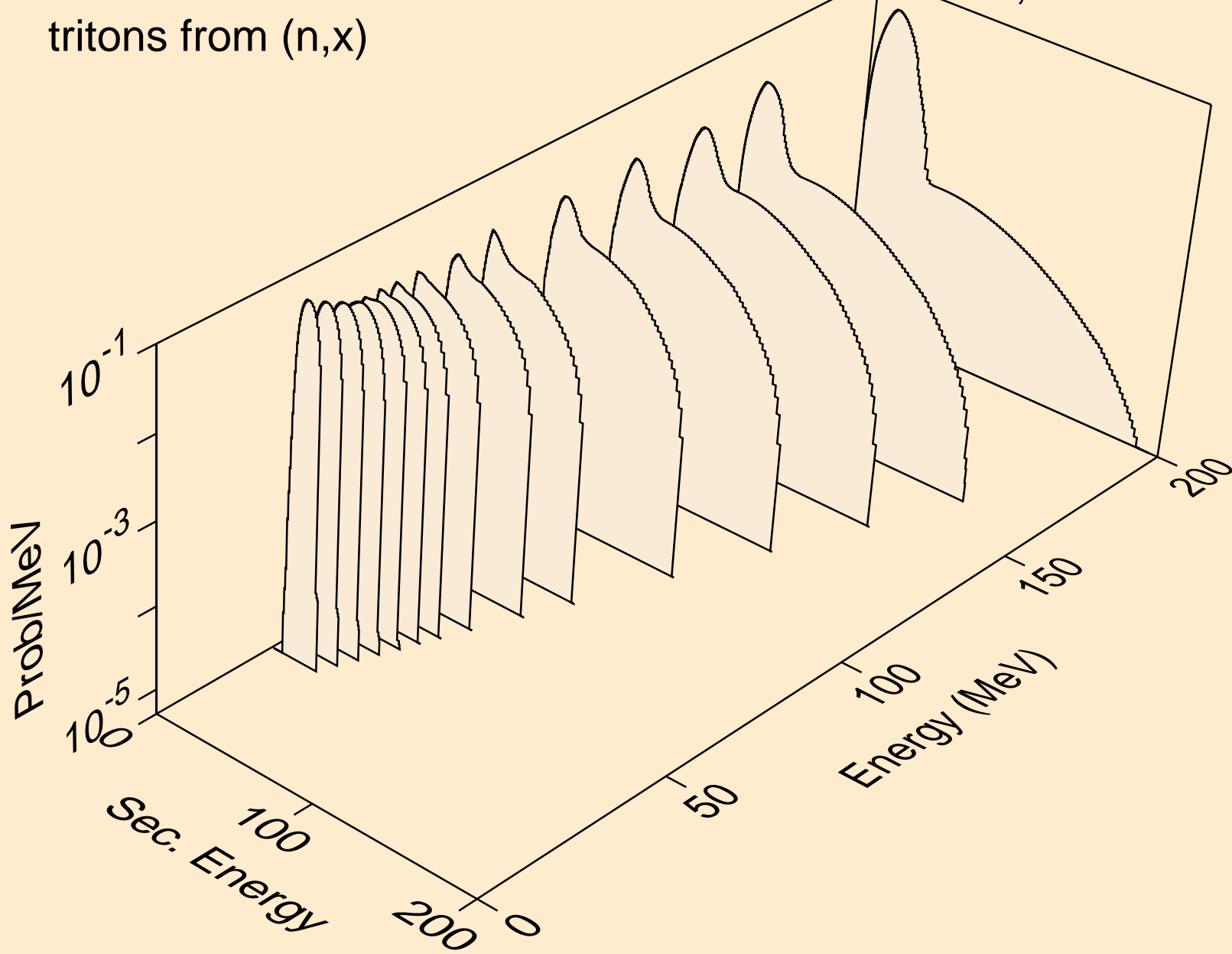
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



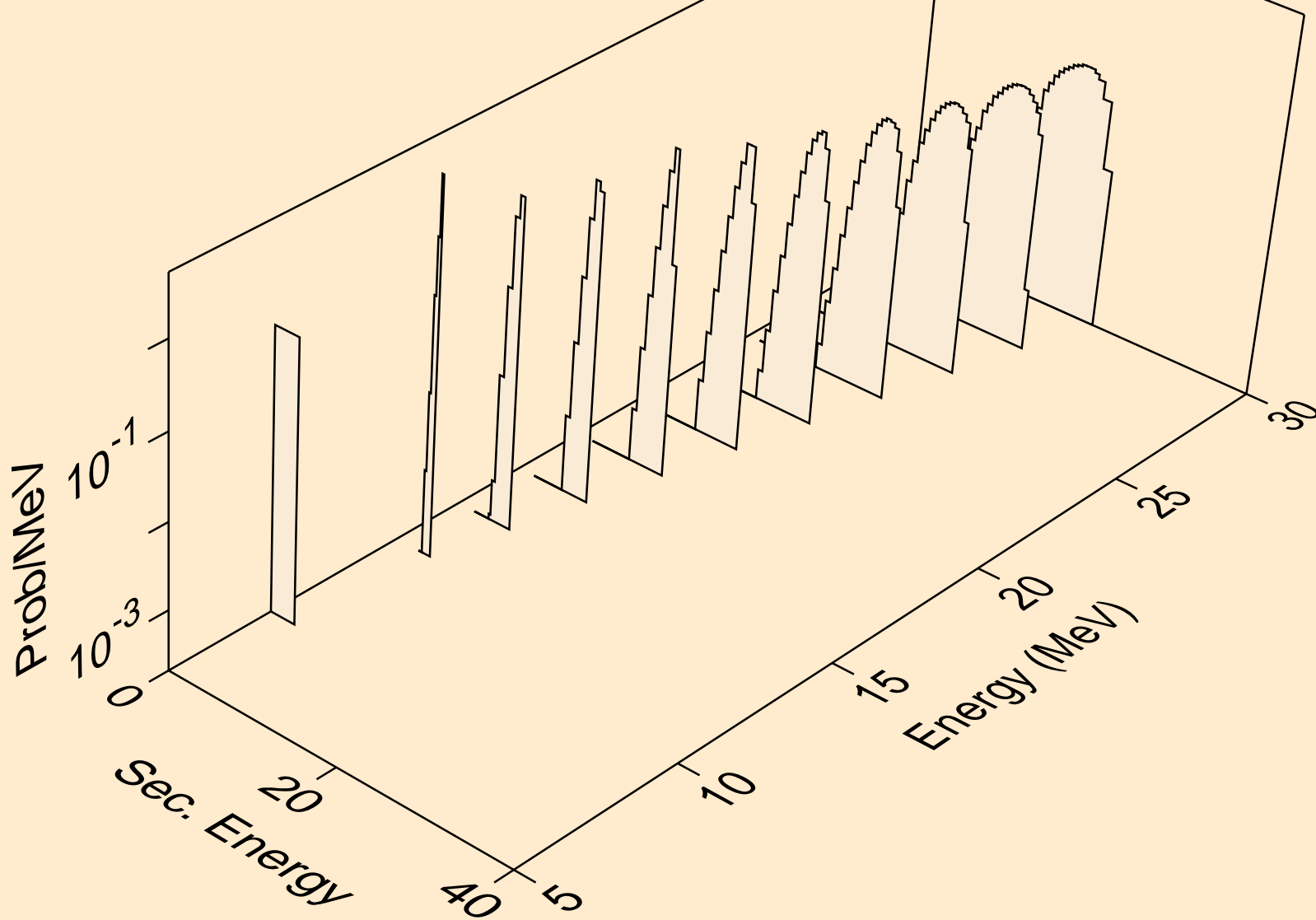
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



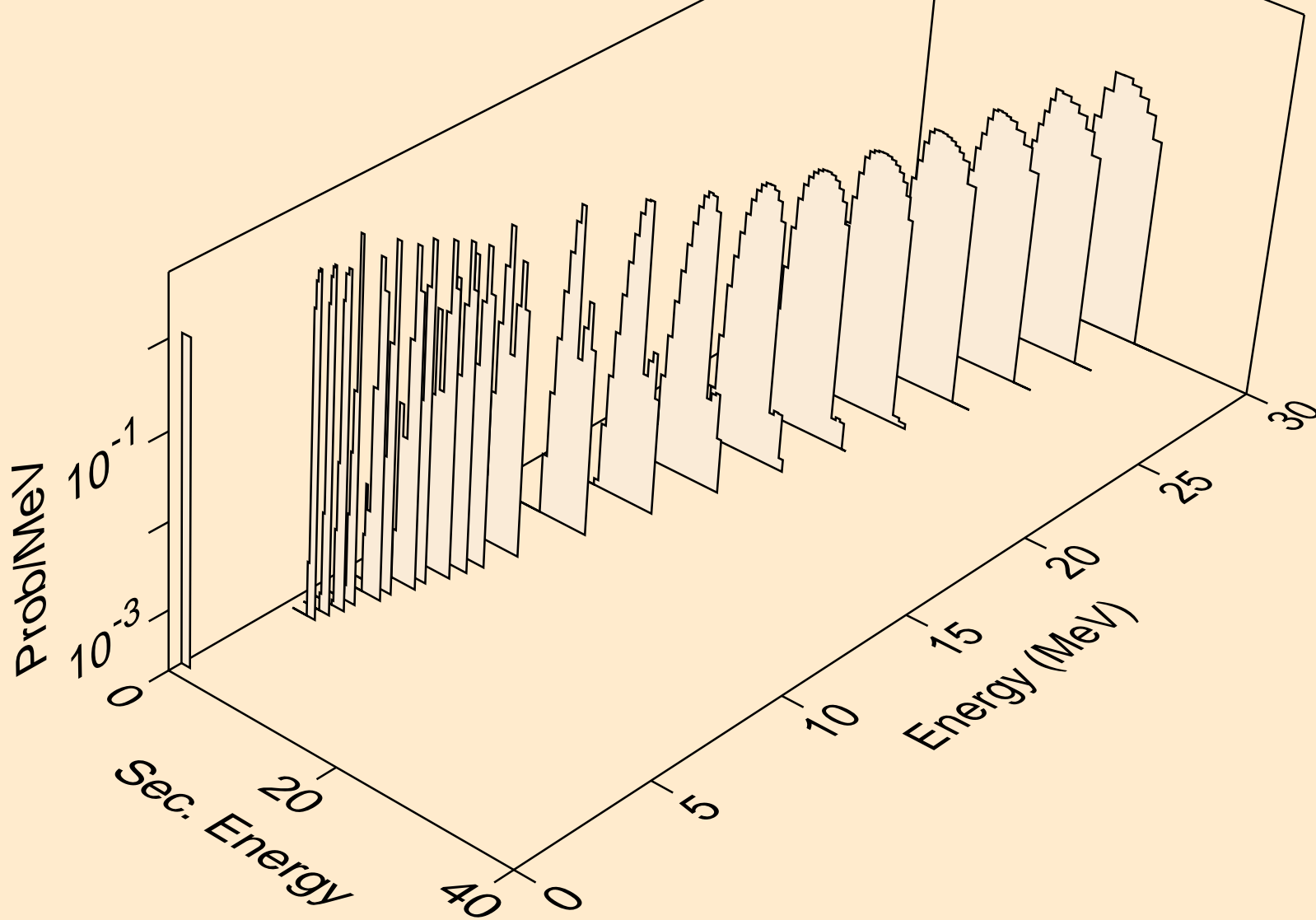
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

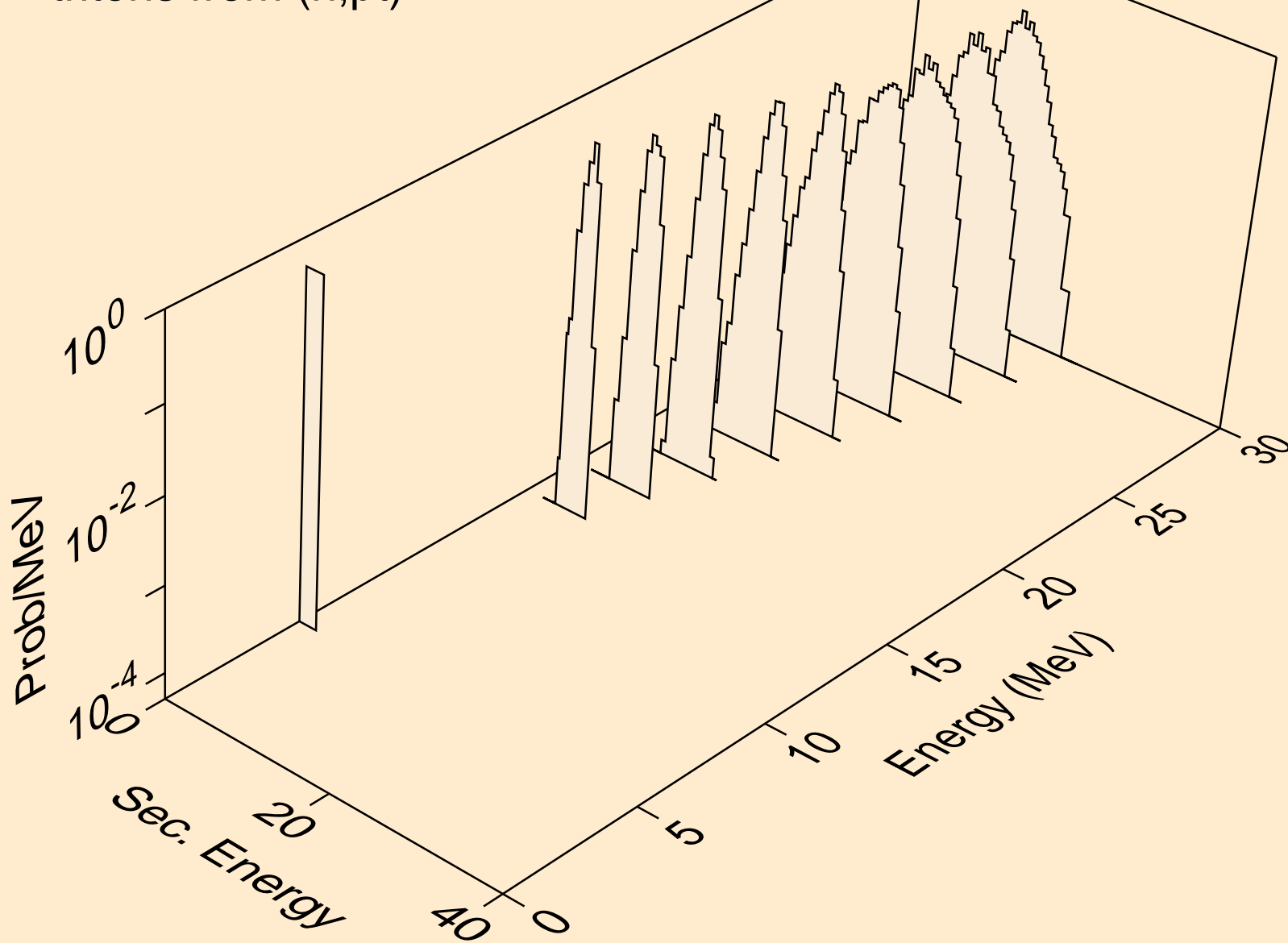


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

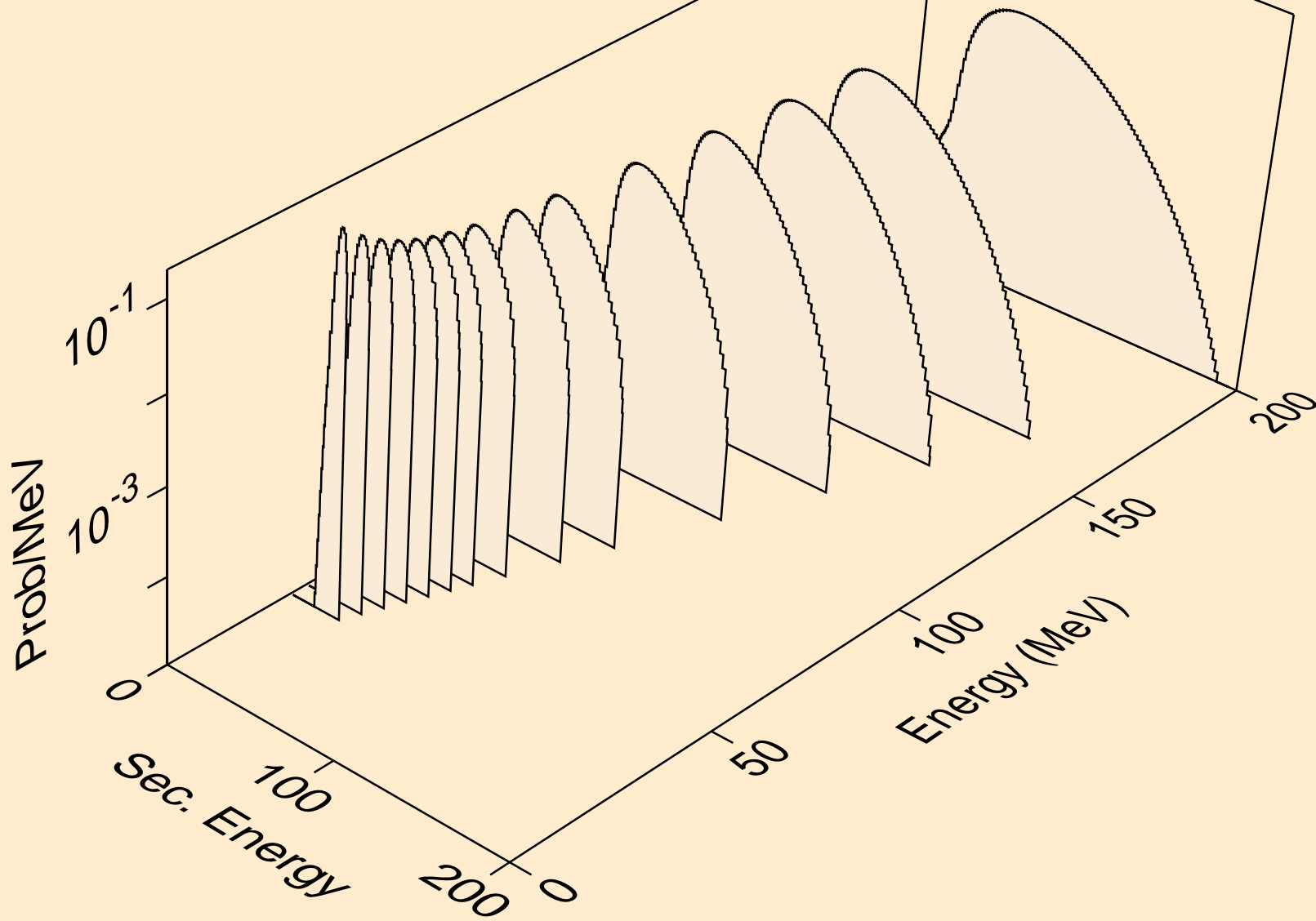




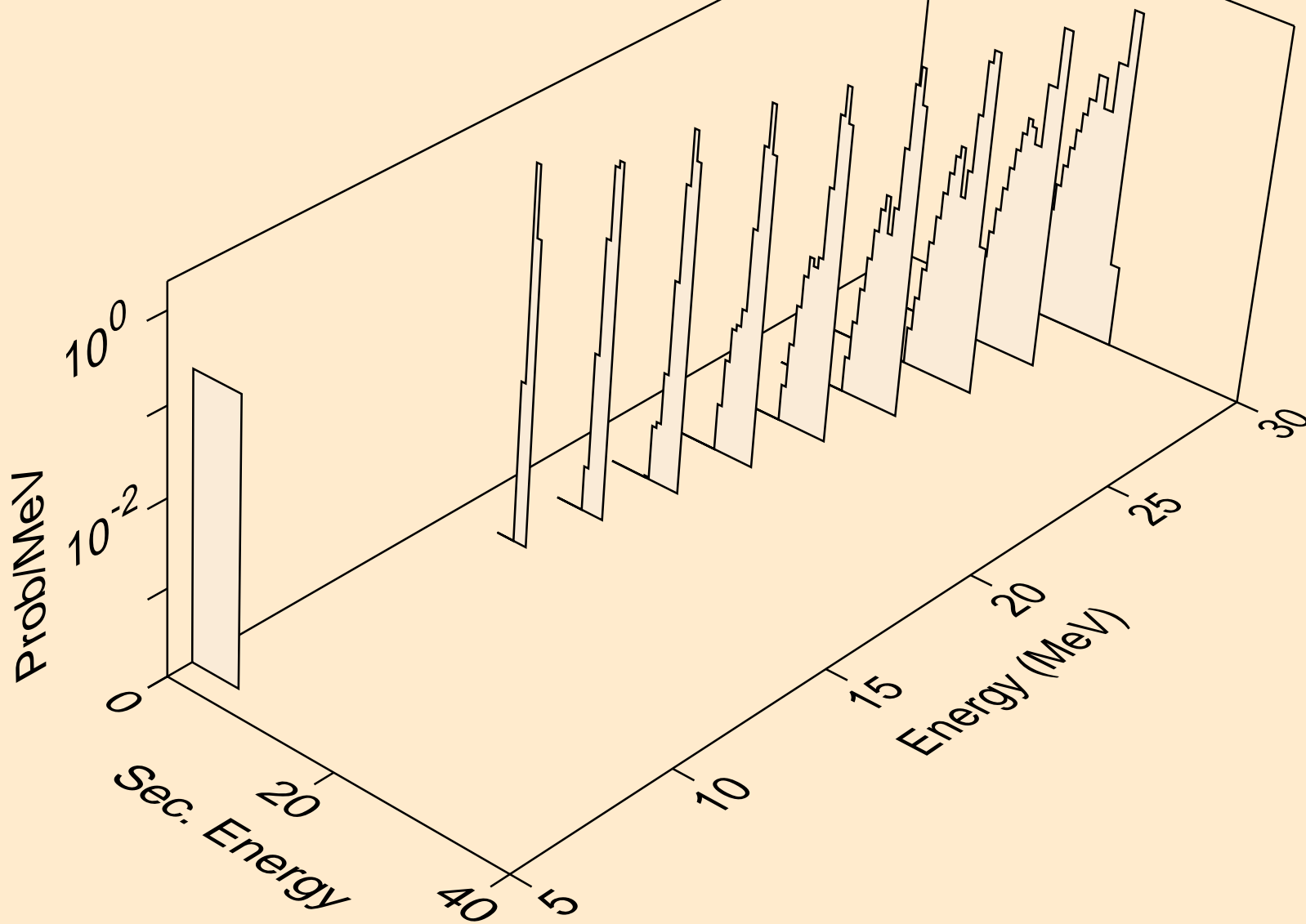
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



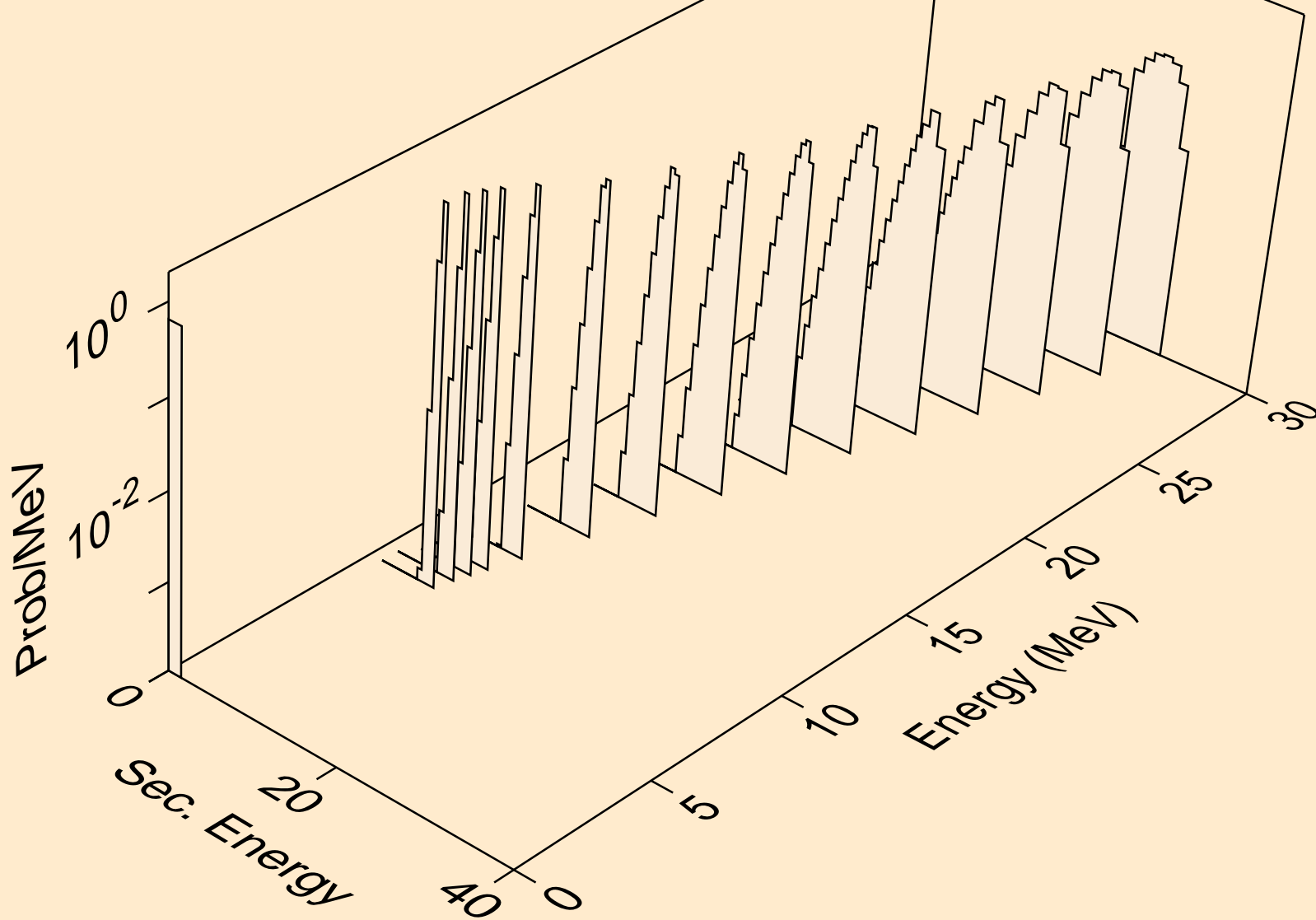
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he3s from (n,x)



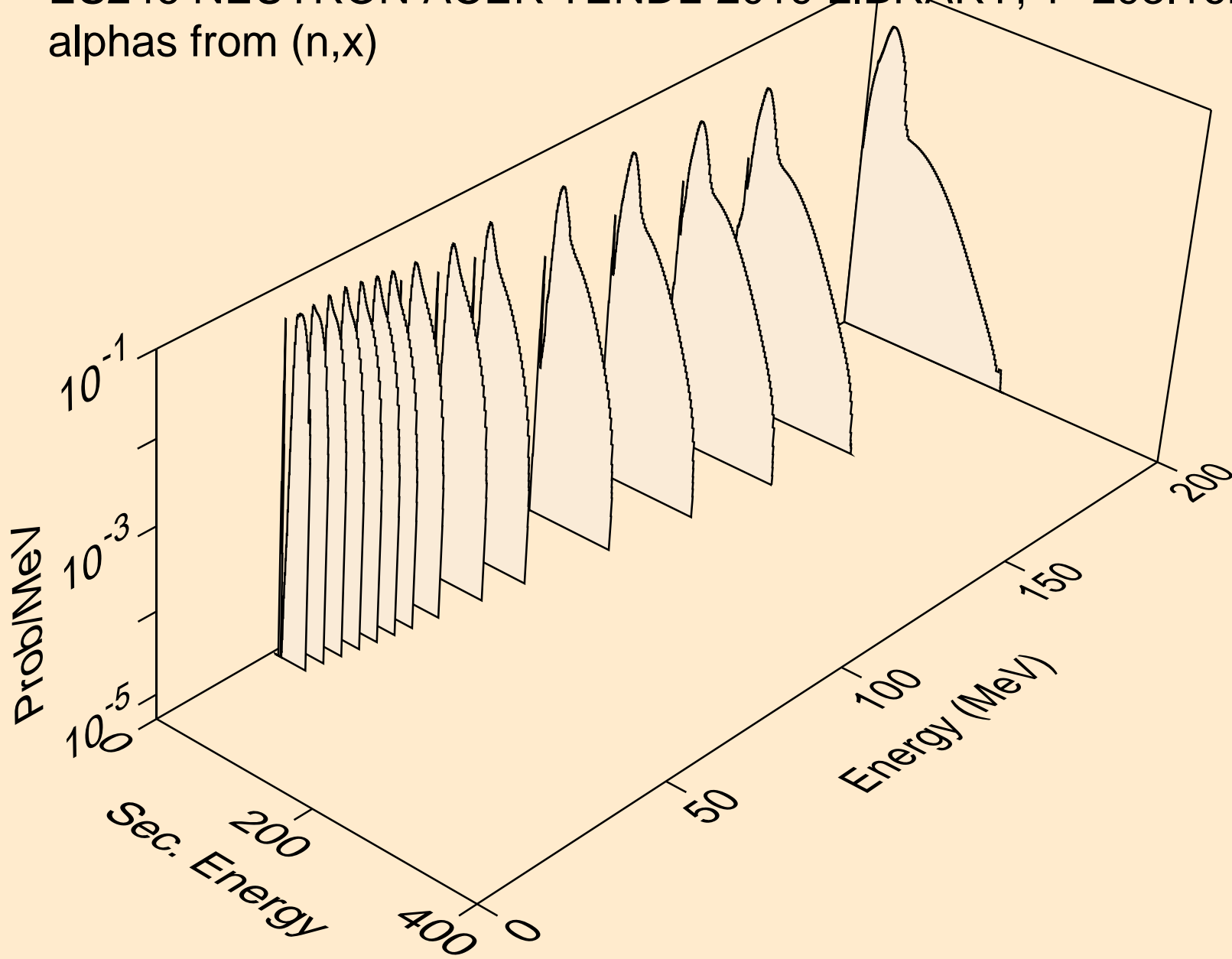
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



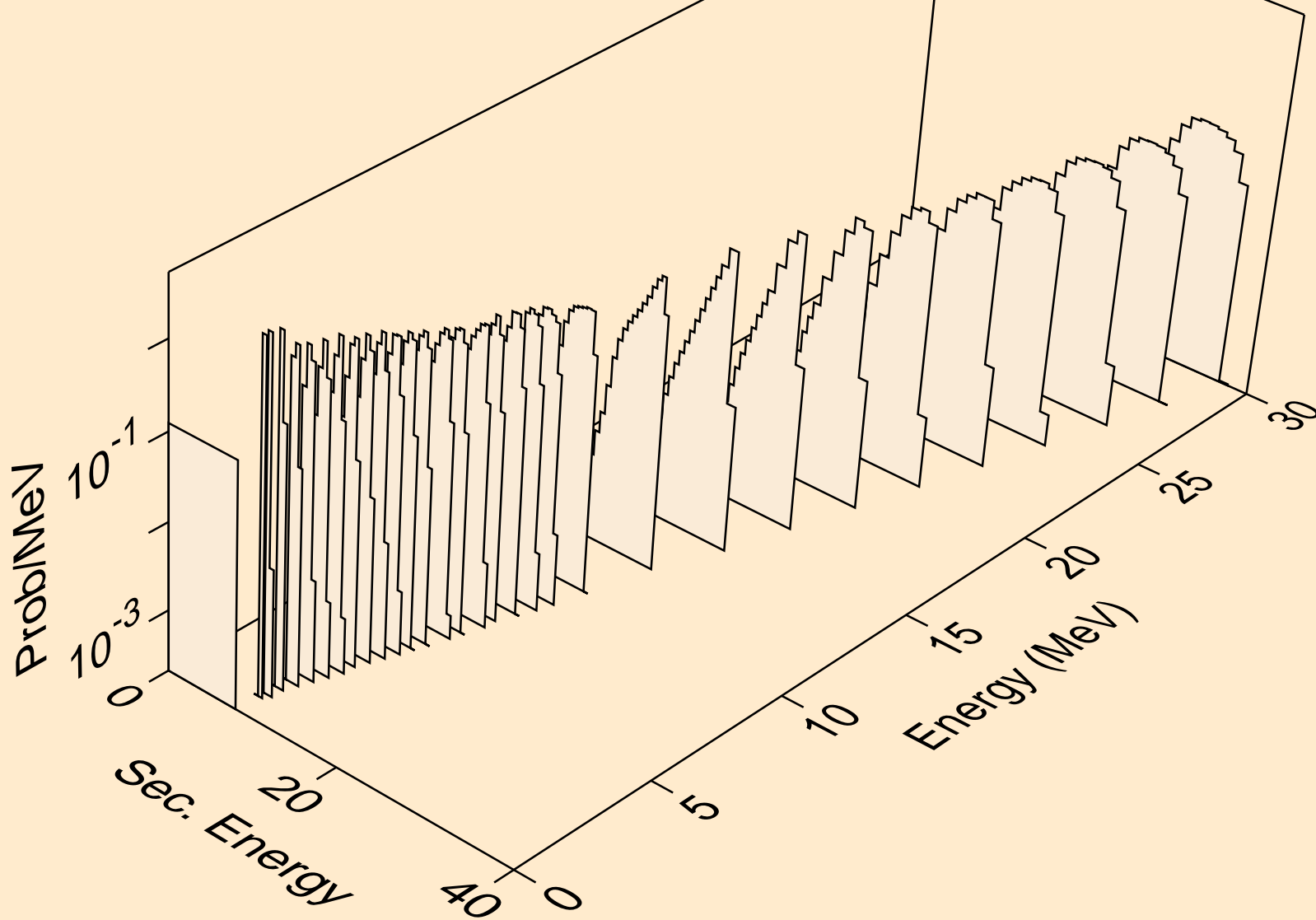
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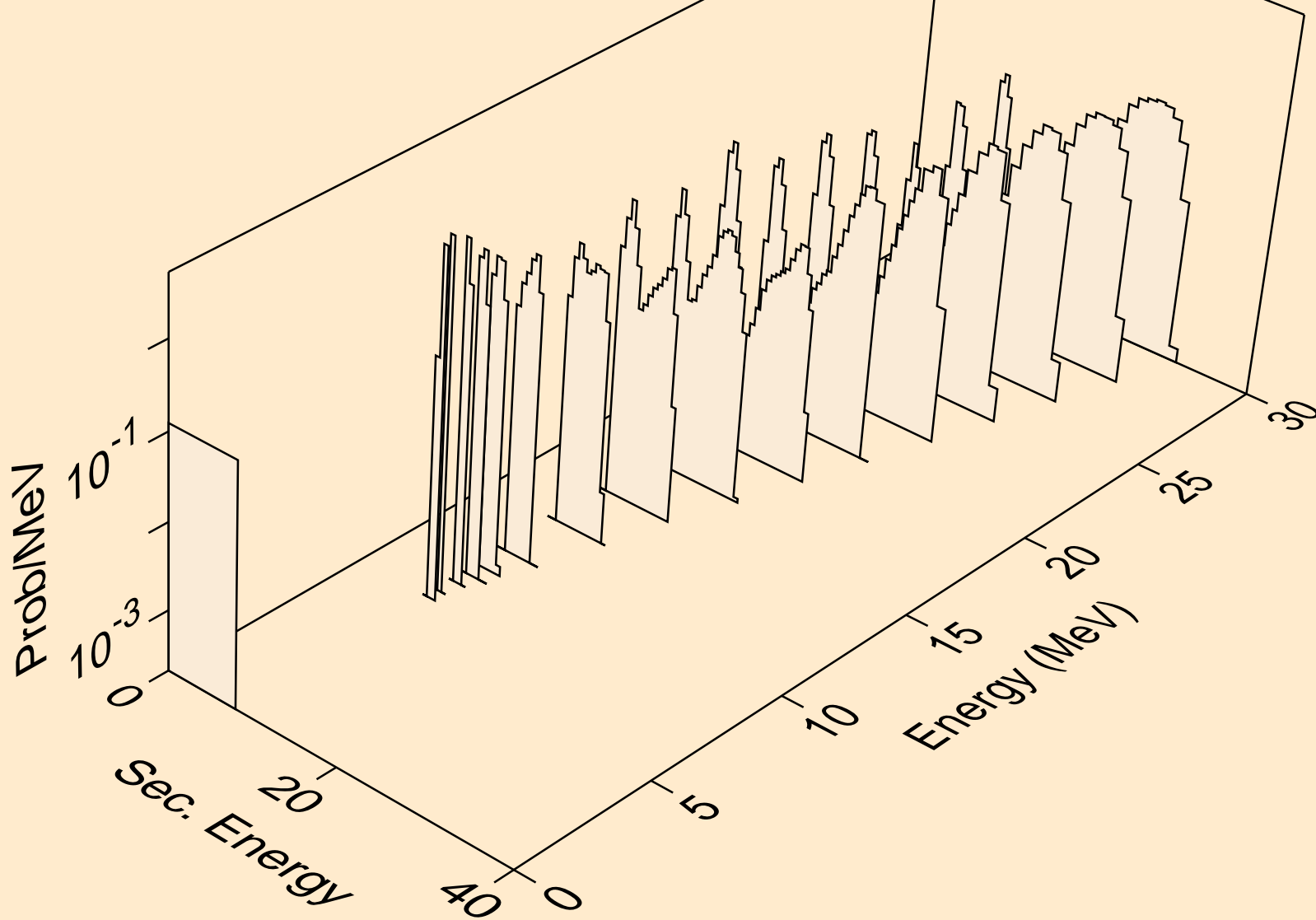
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



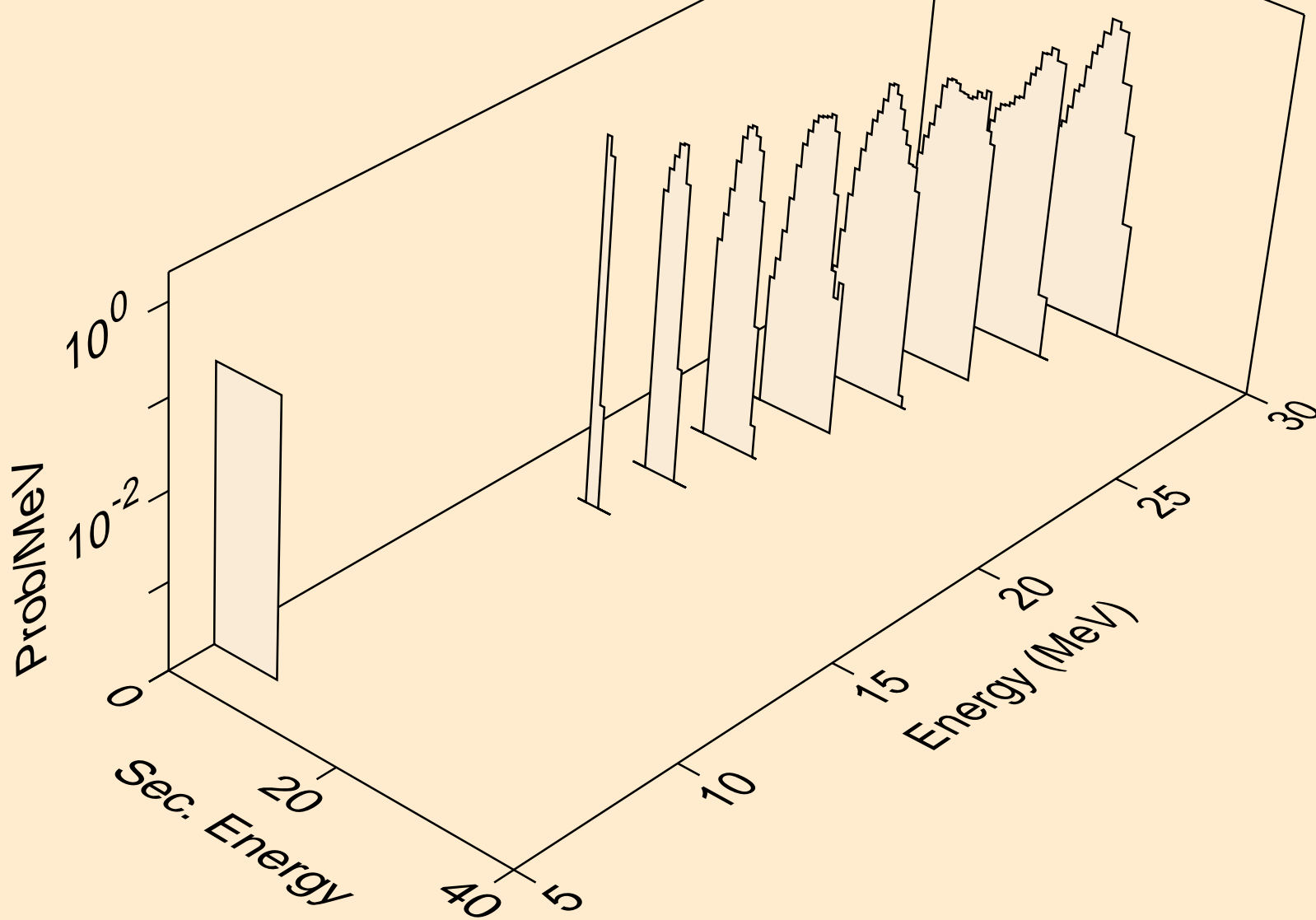
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a

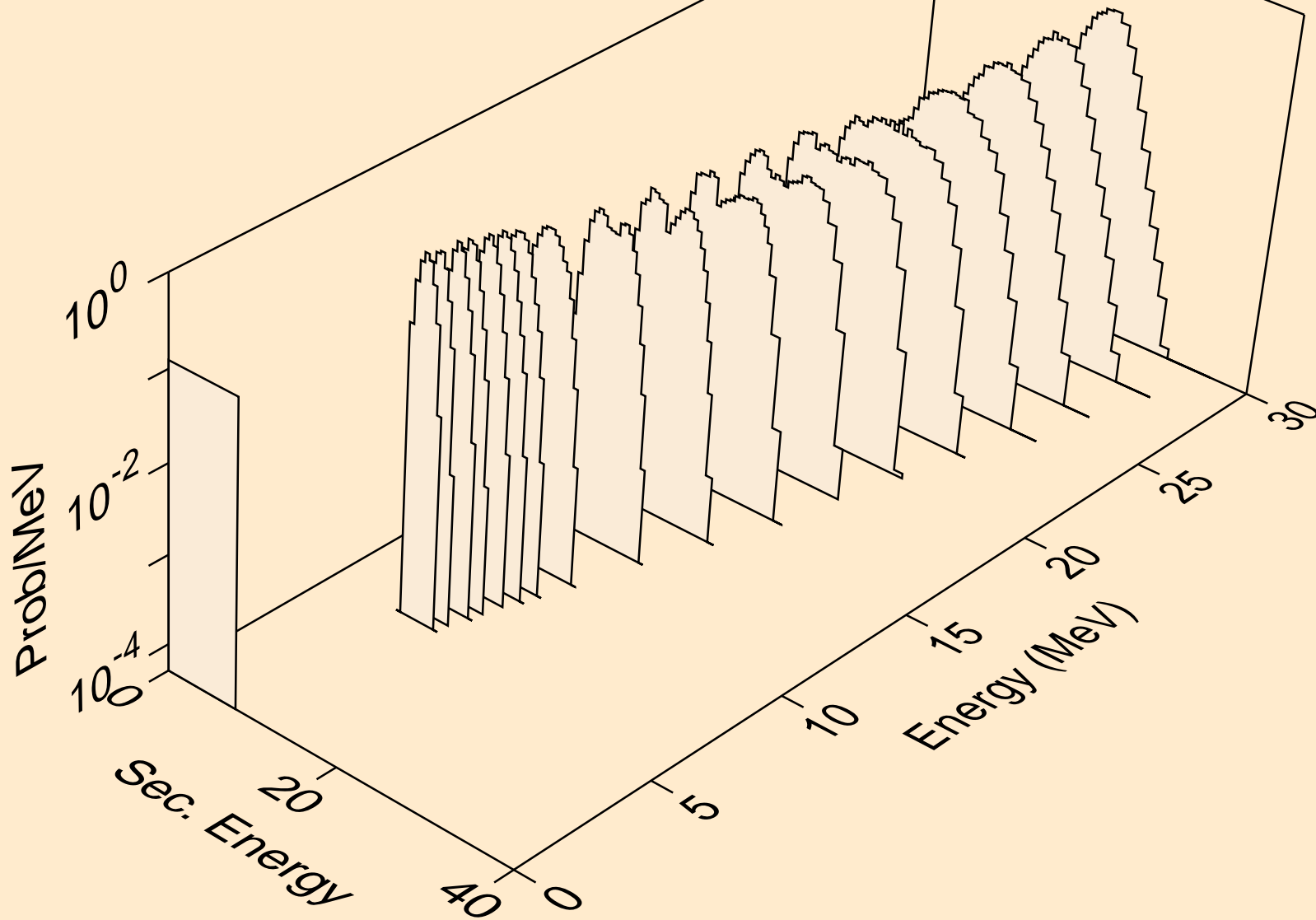


ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a

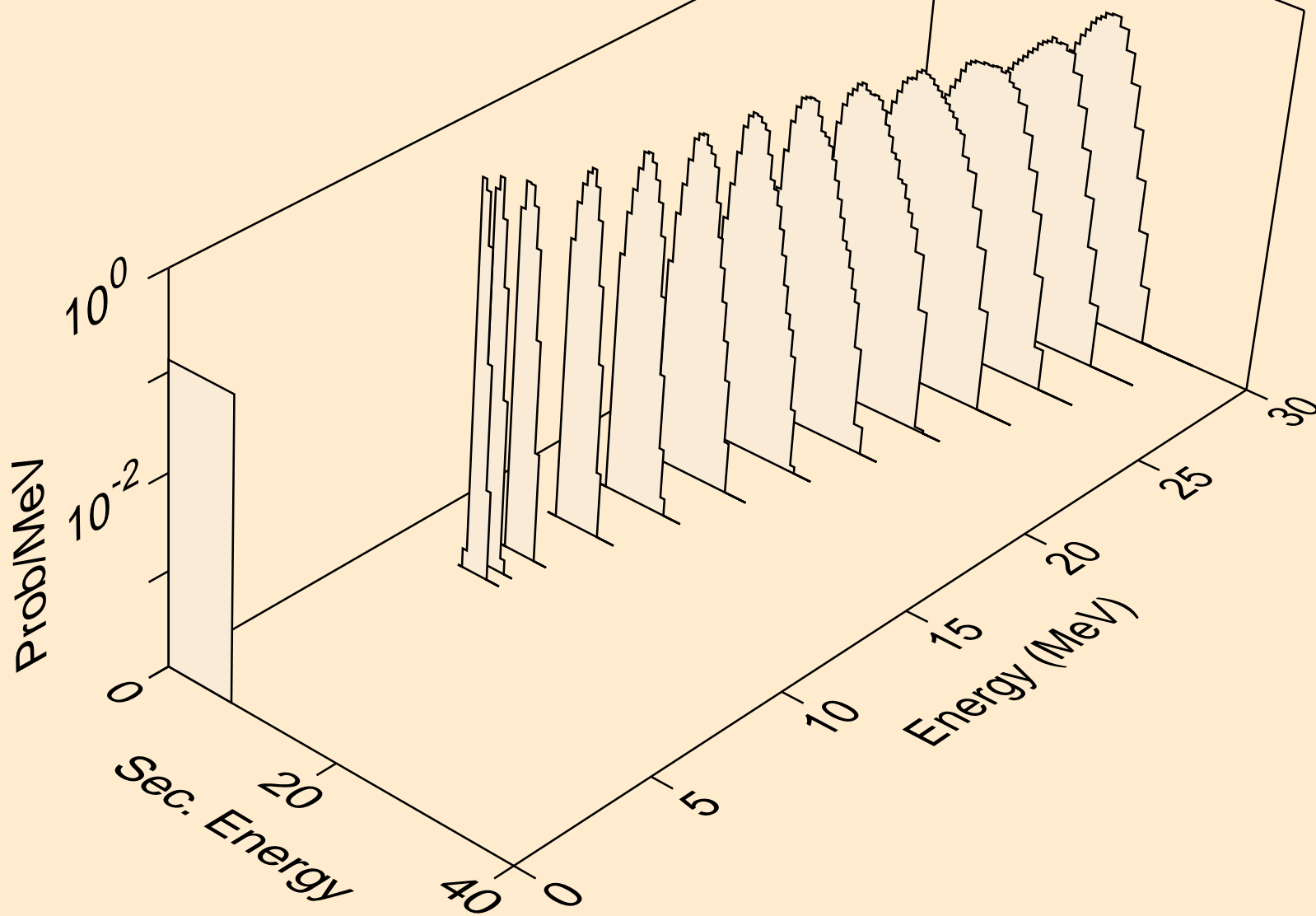




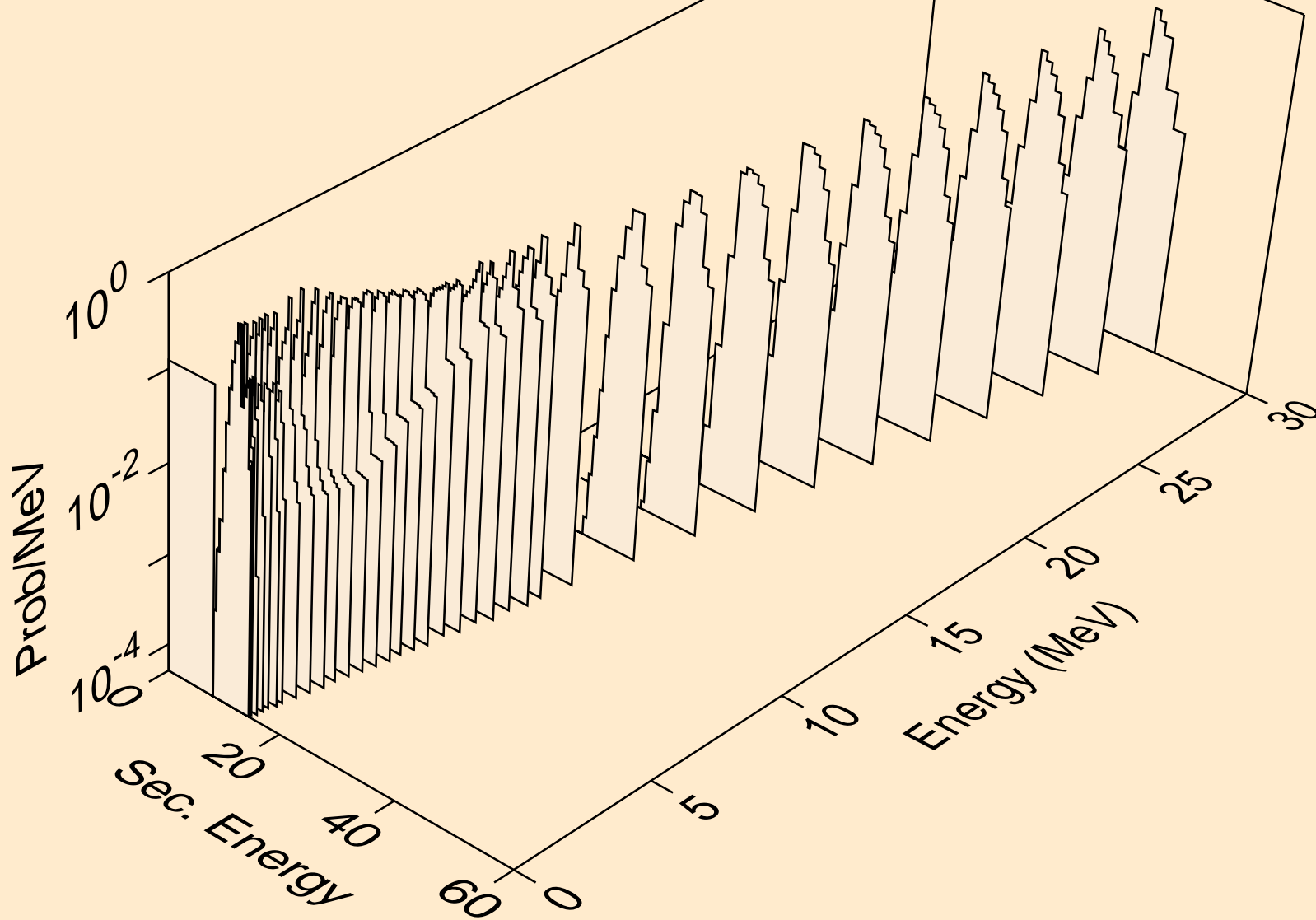
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



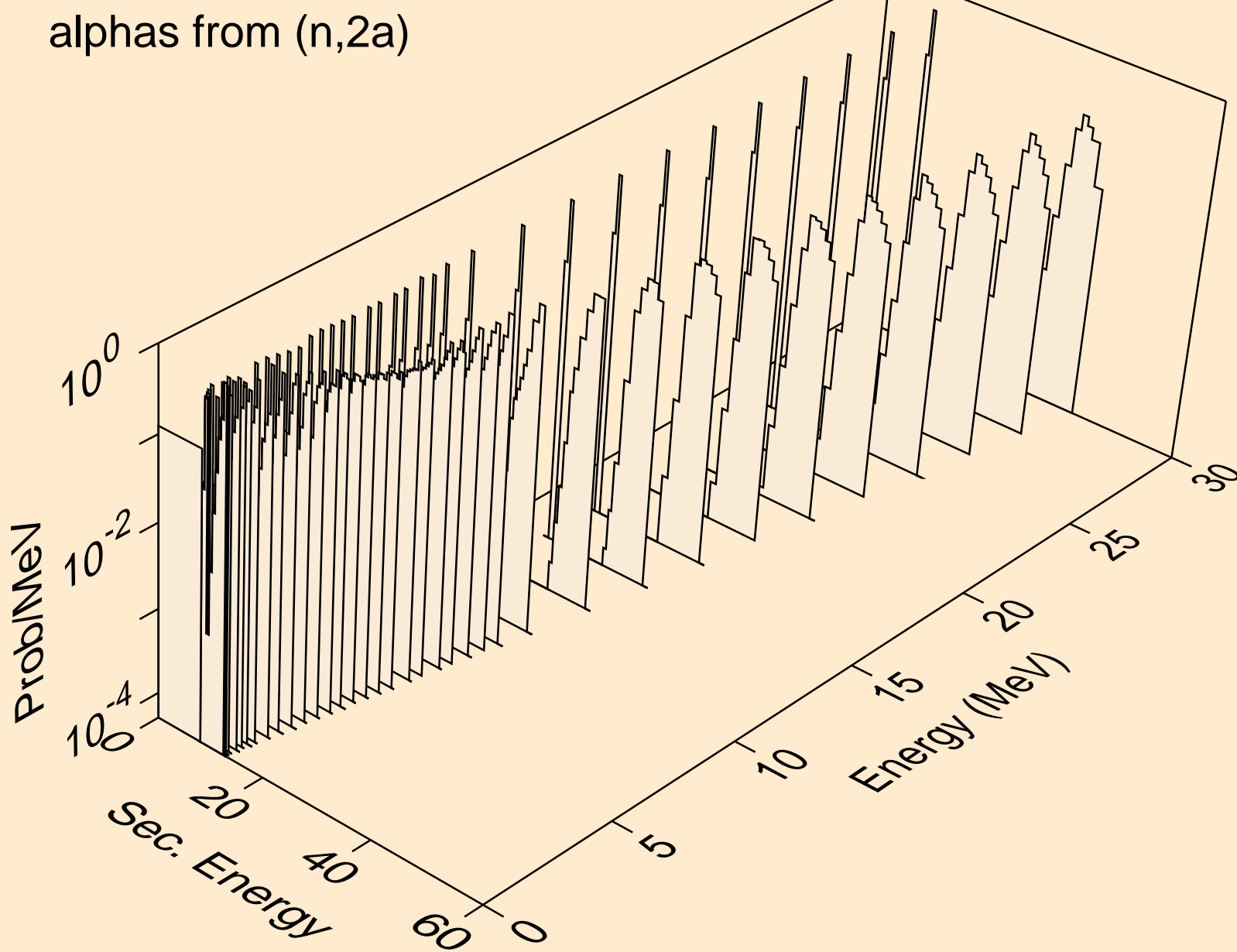
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



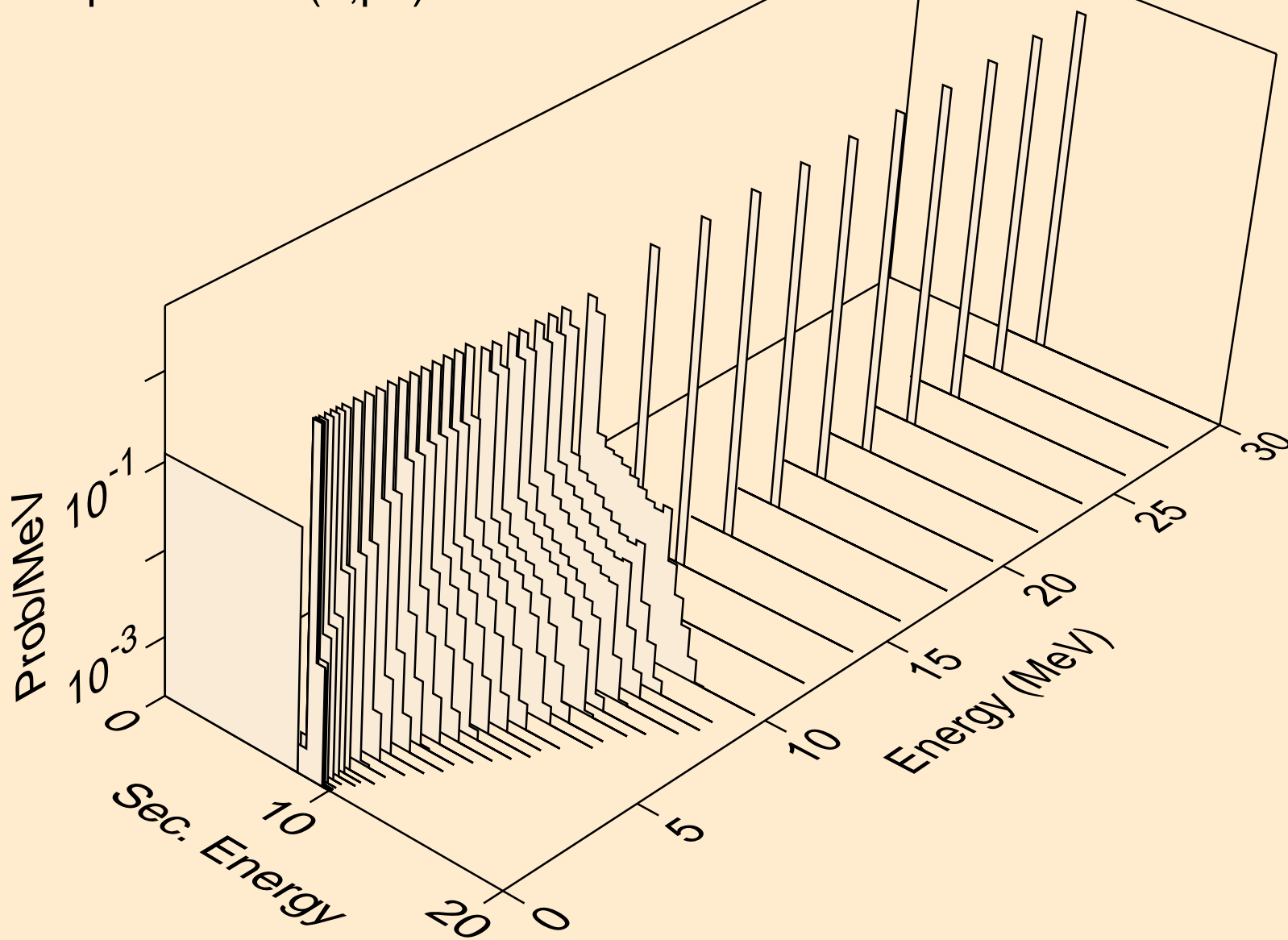
ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



ES246 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

