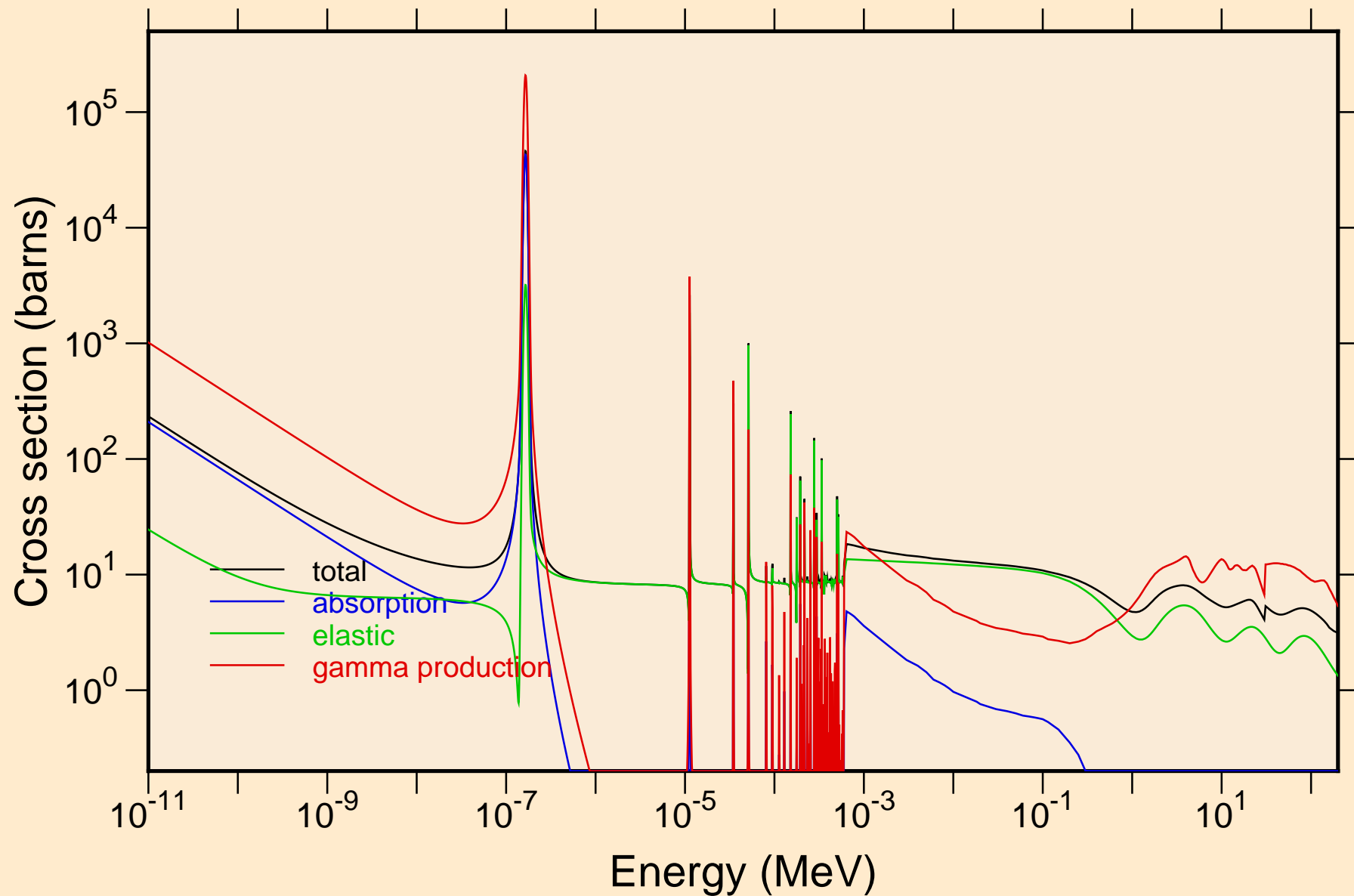
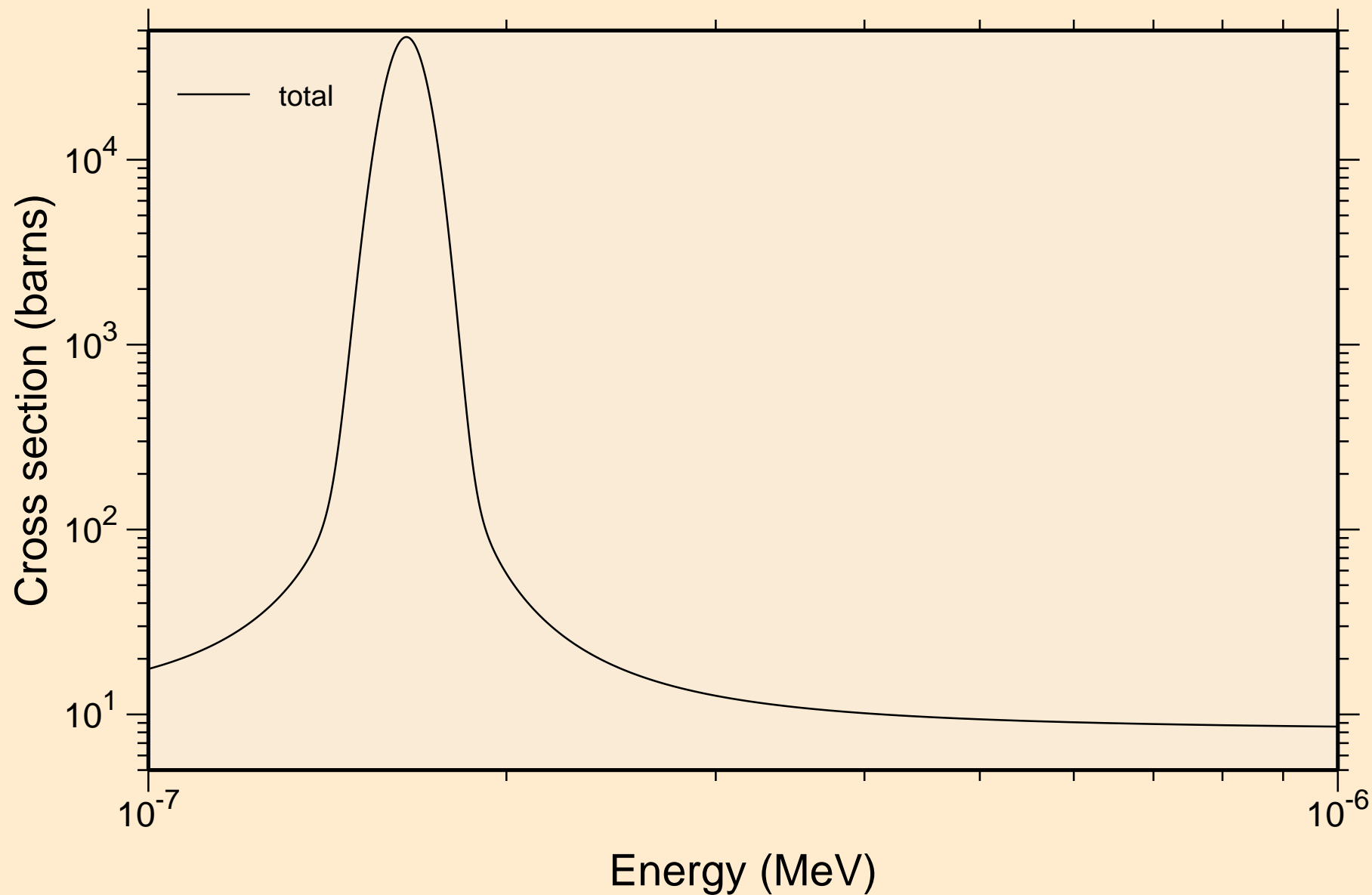


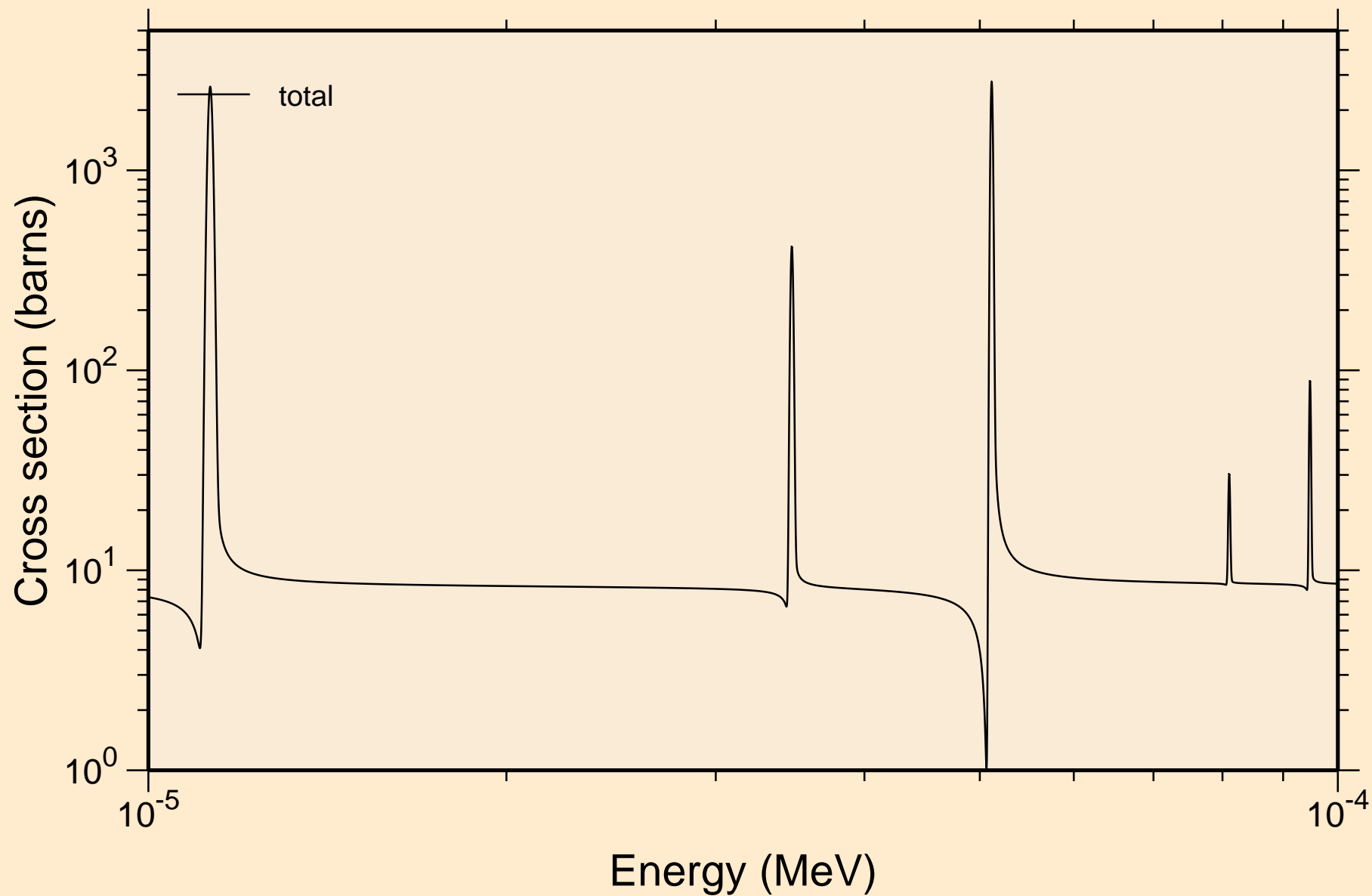
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



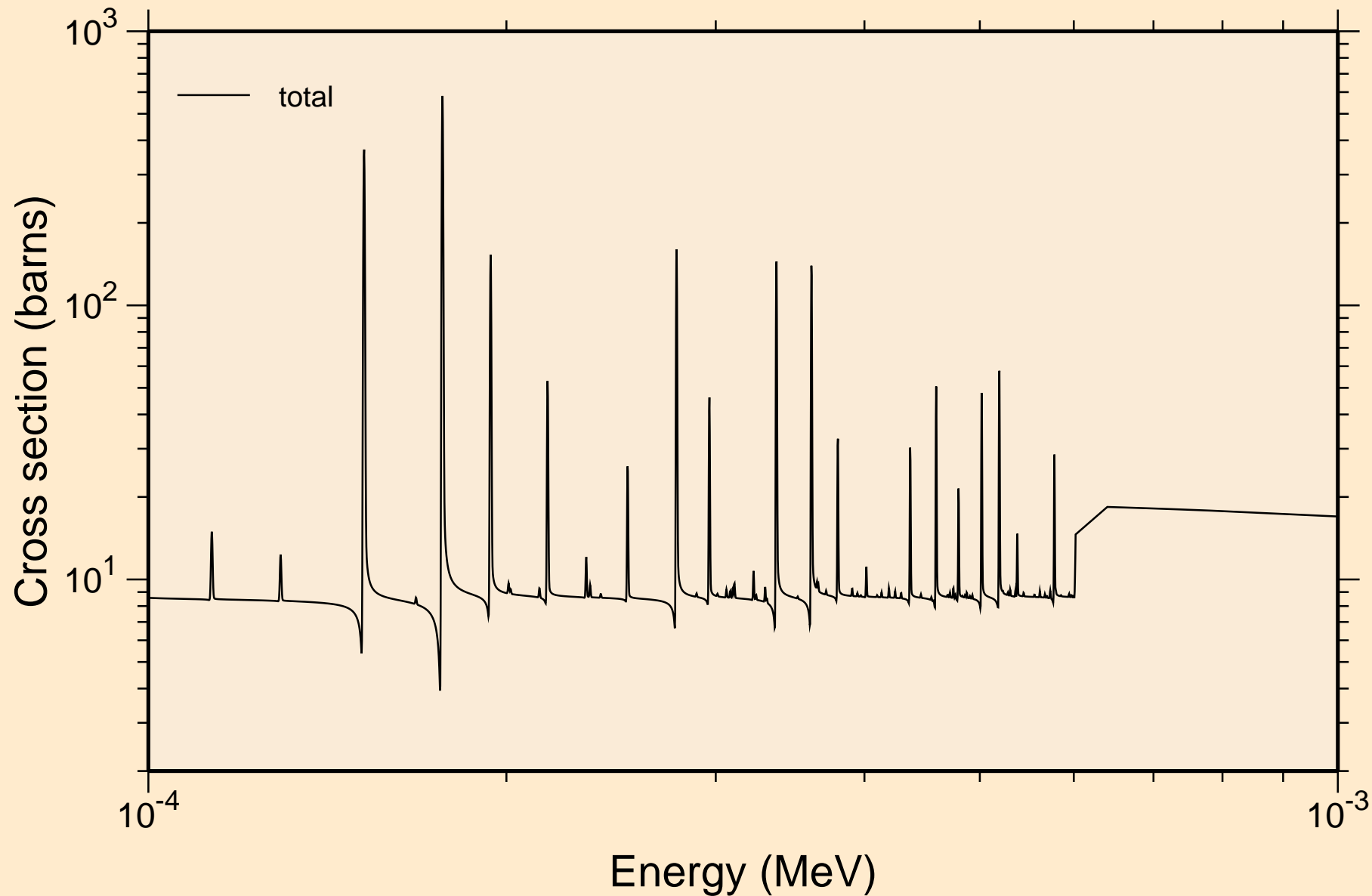
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



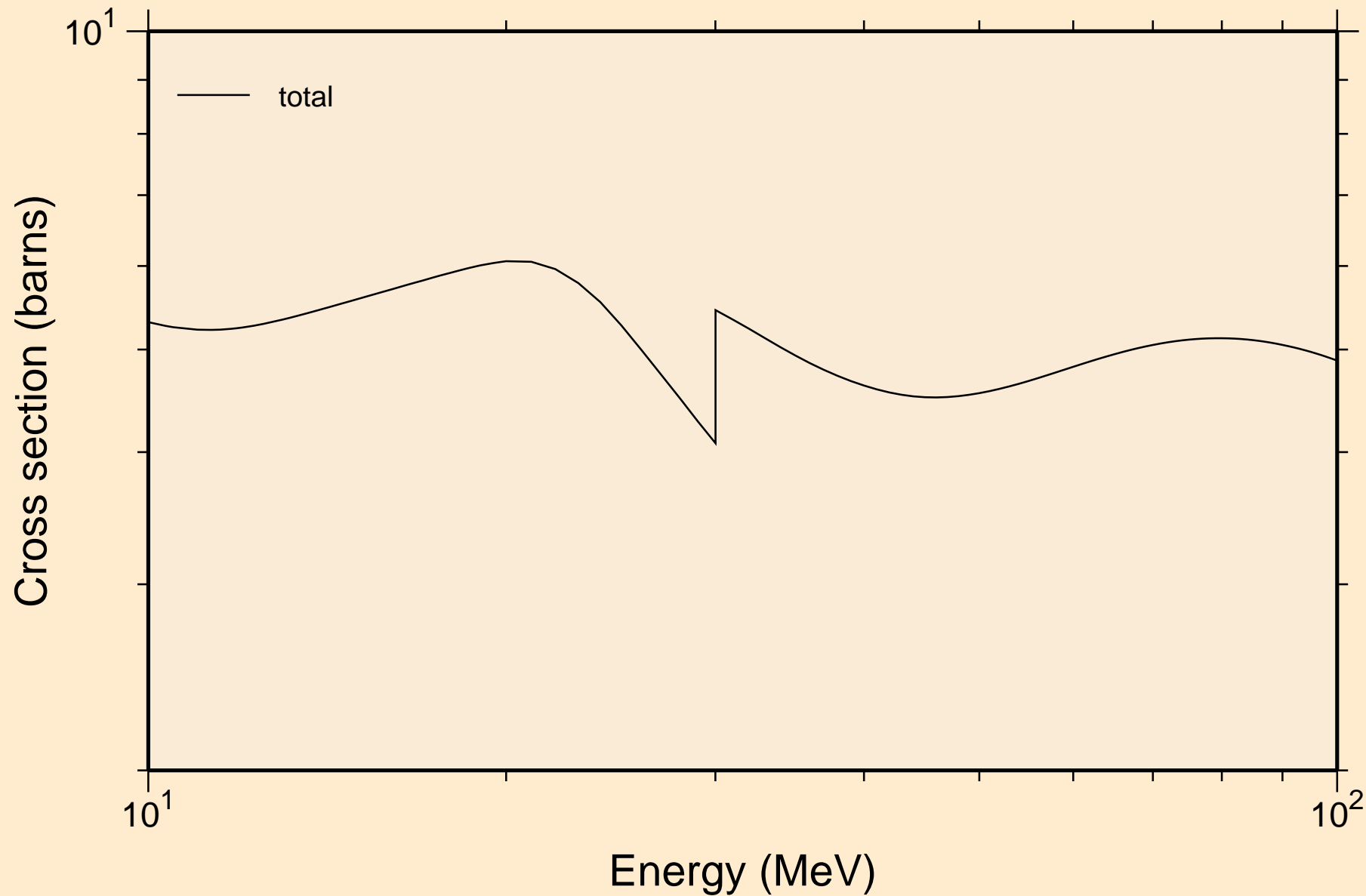
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



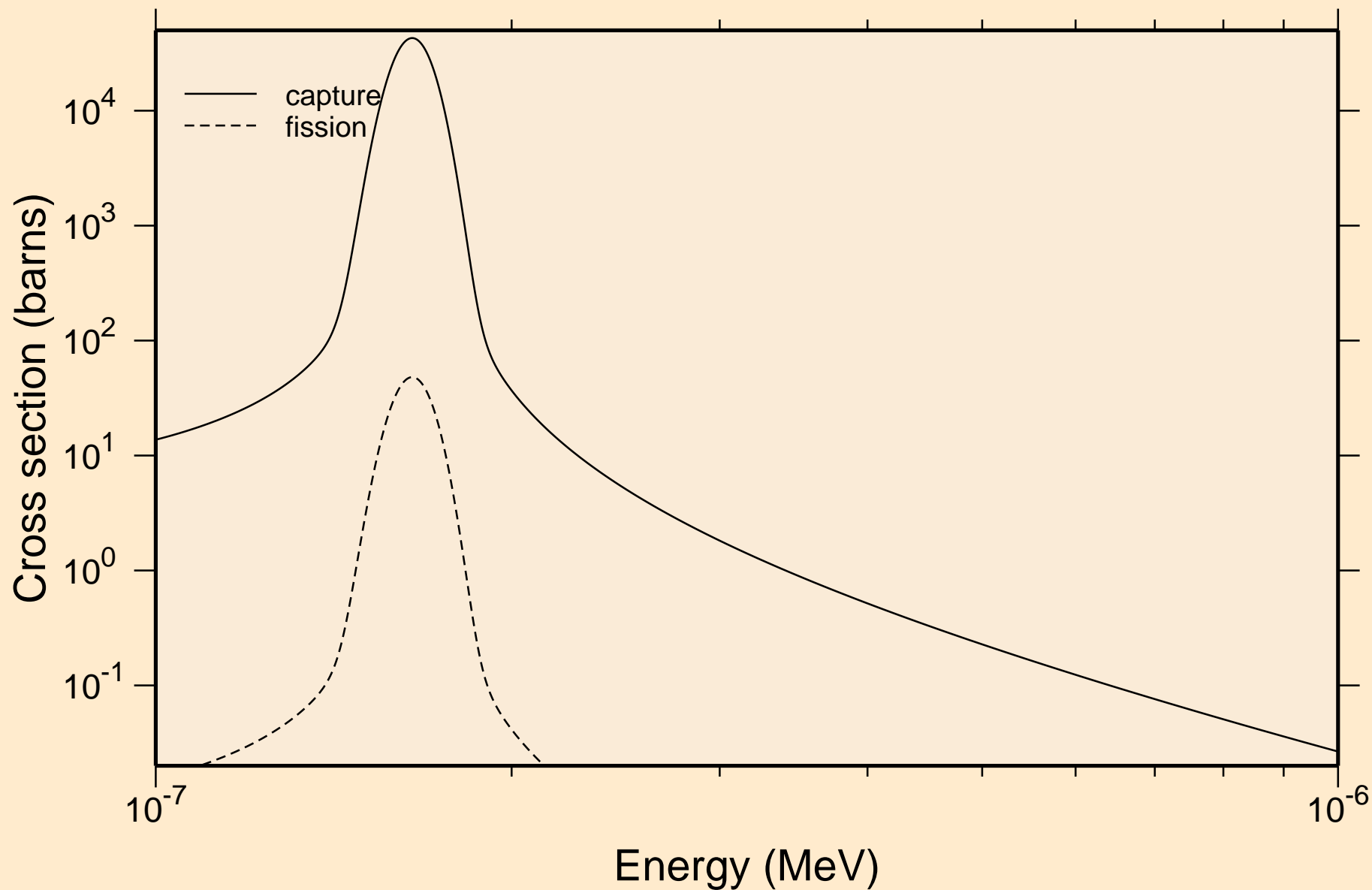
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resonance total cross section



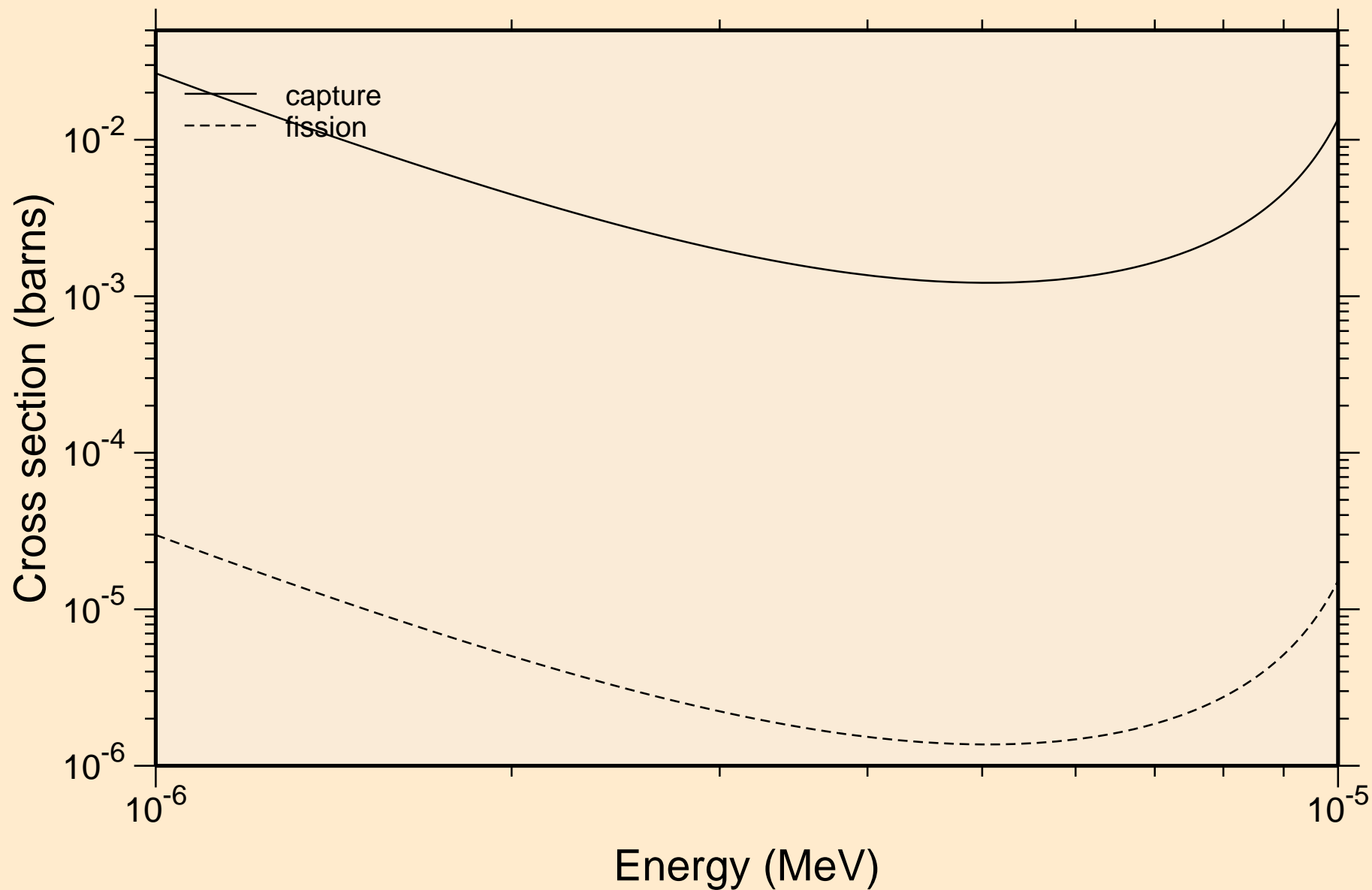
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



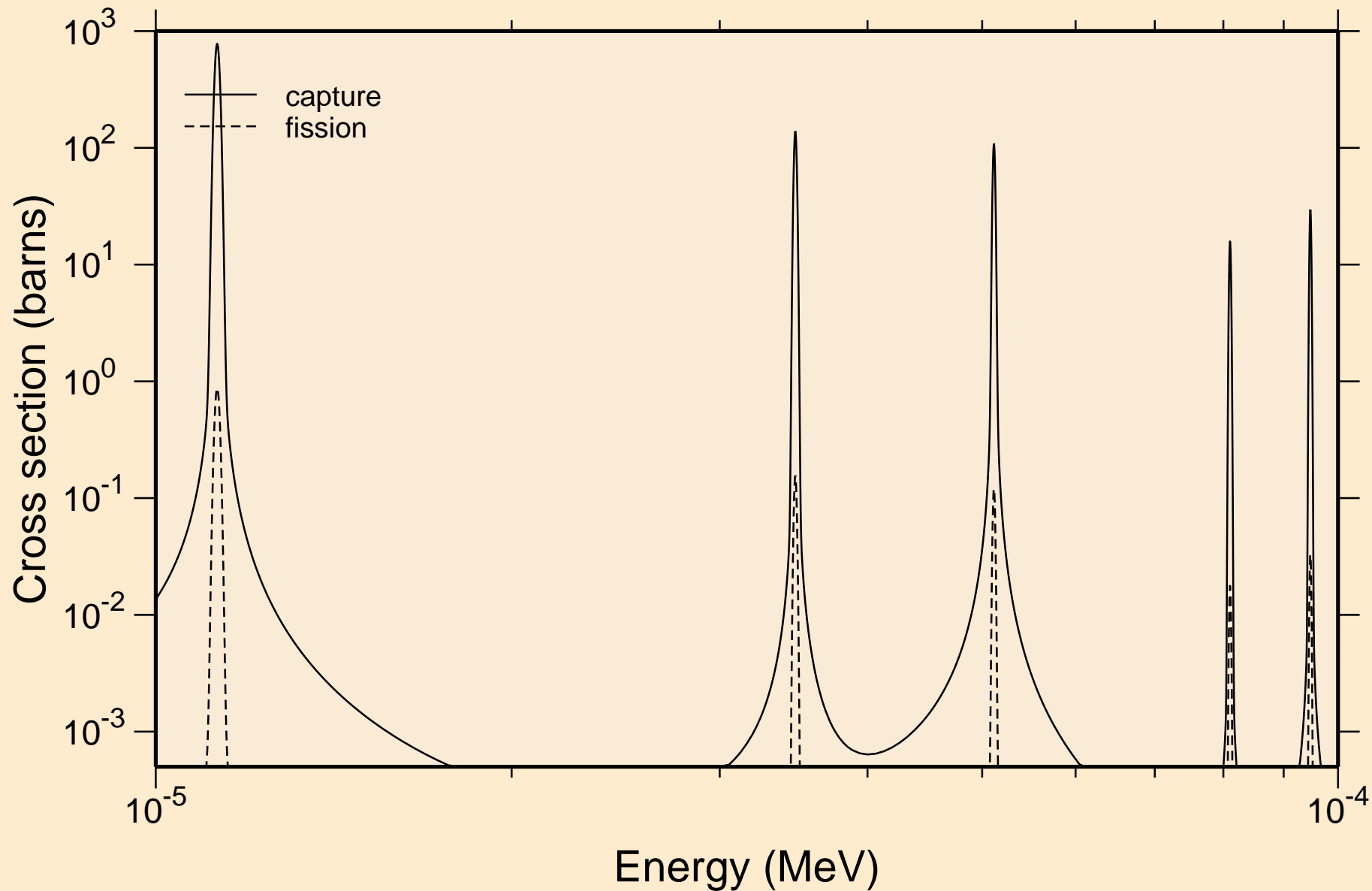
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

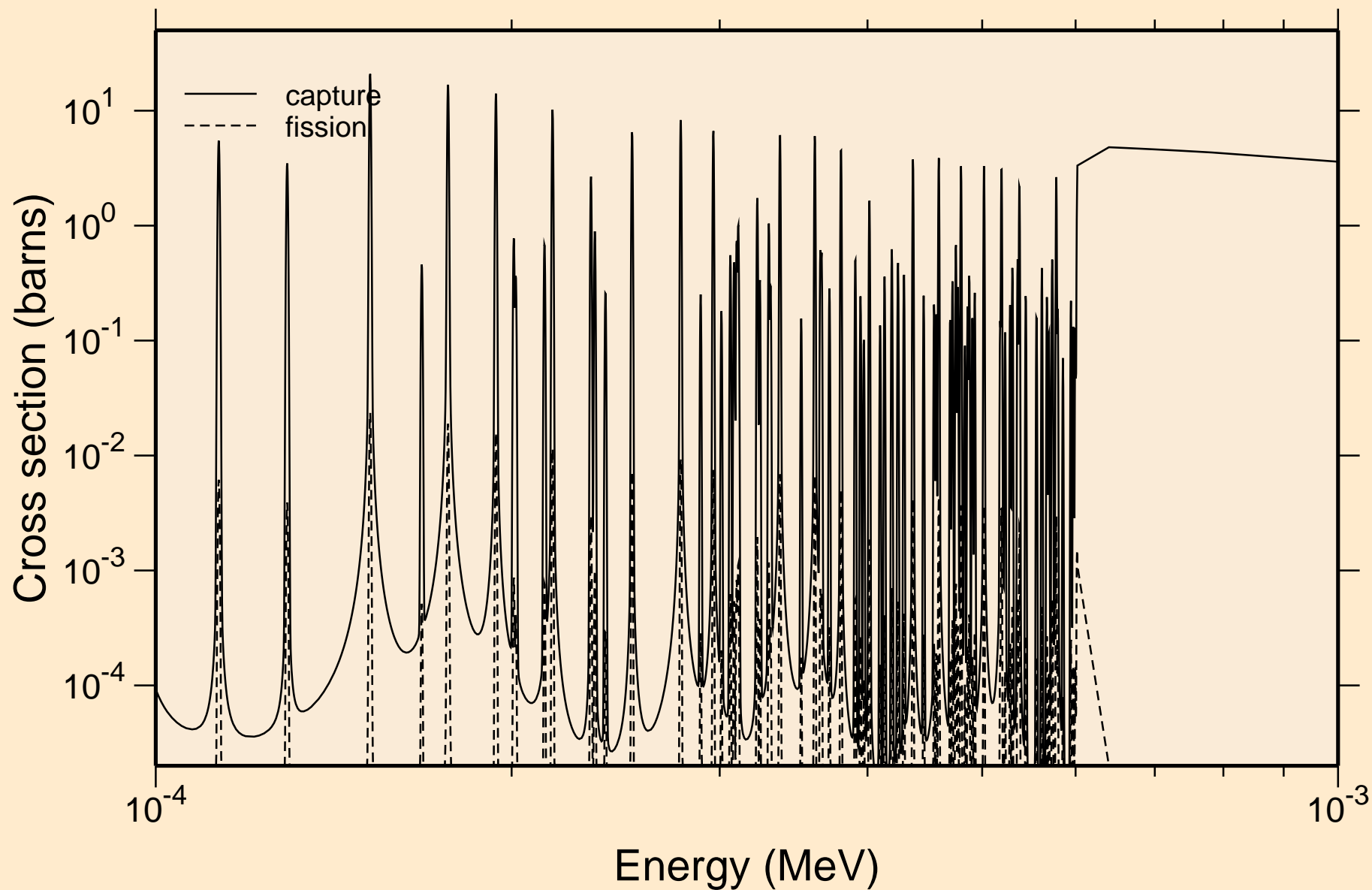


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

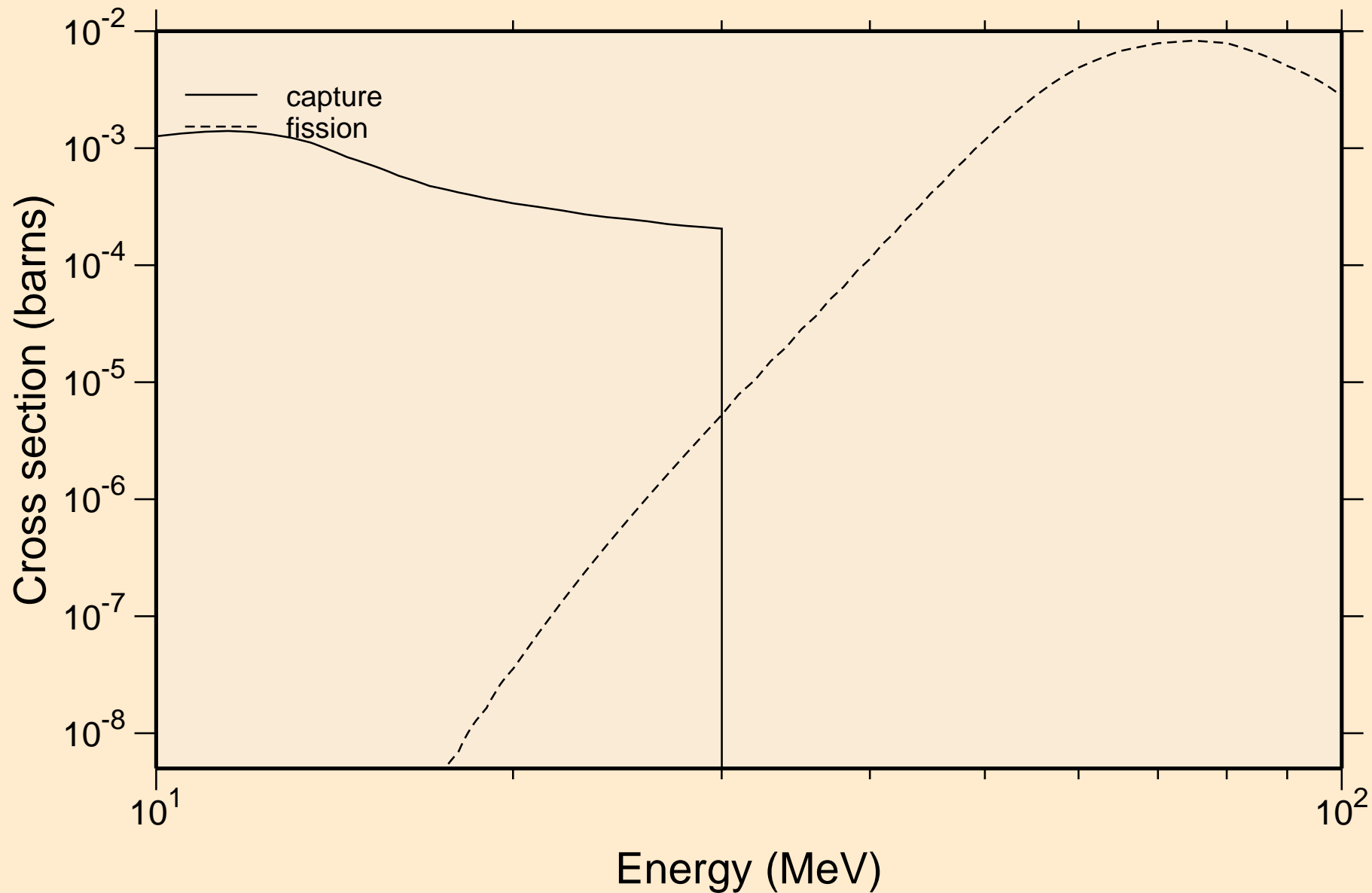




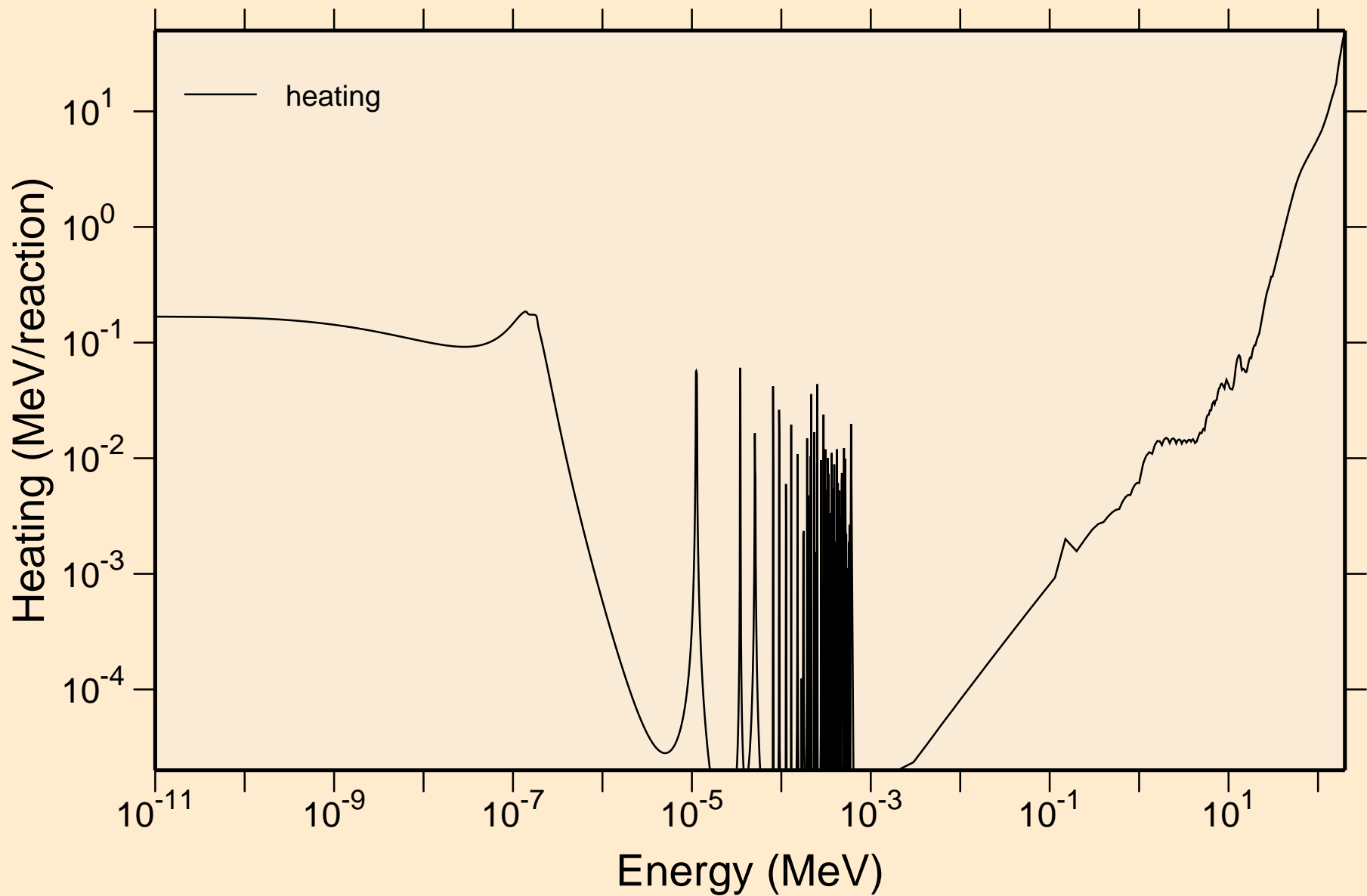
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resonance absorption cross sections



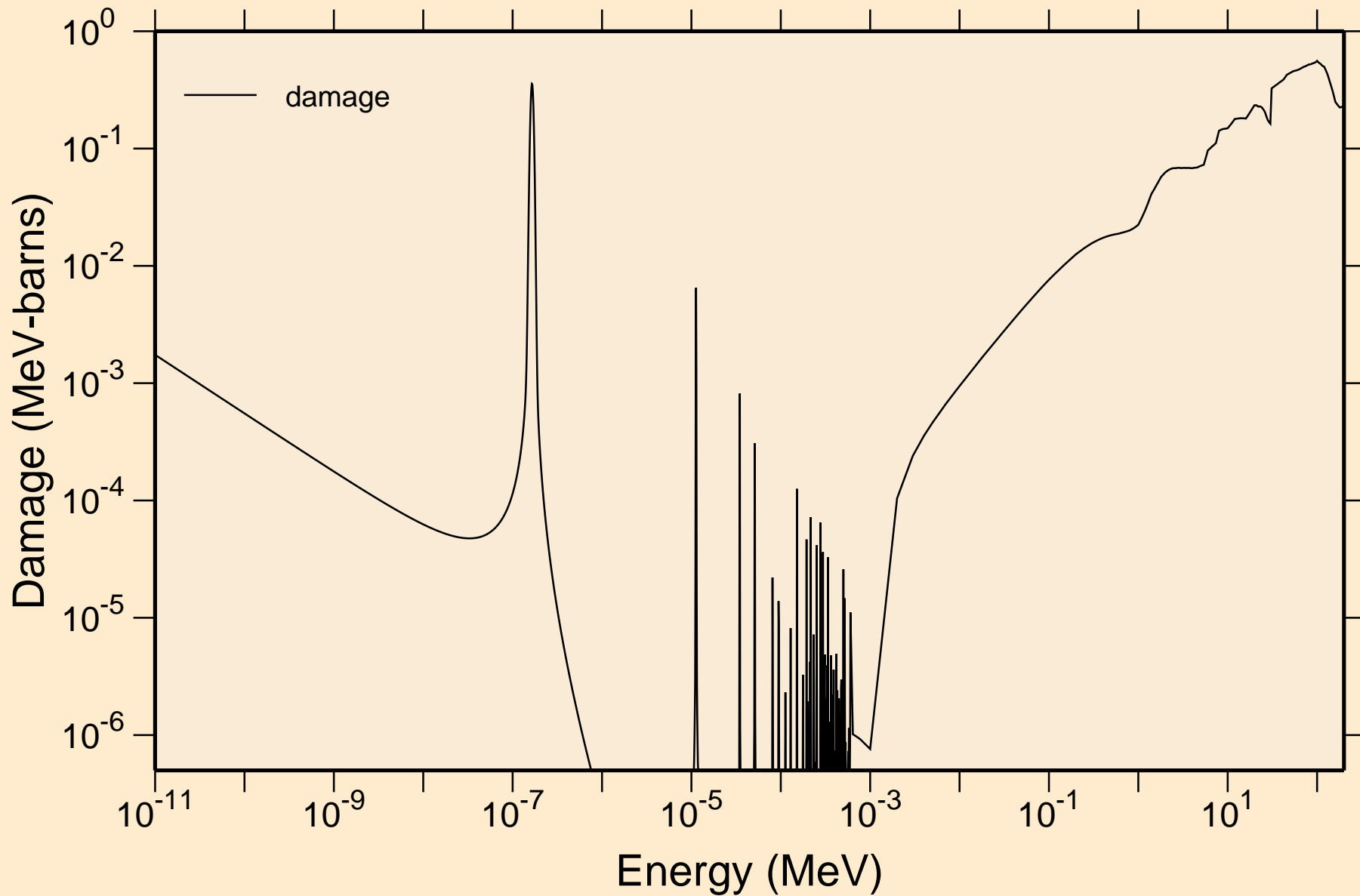
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resonance absorption cross sections



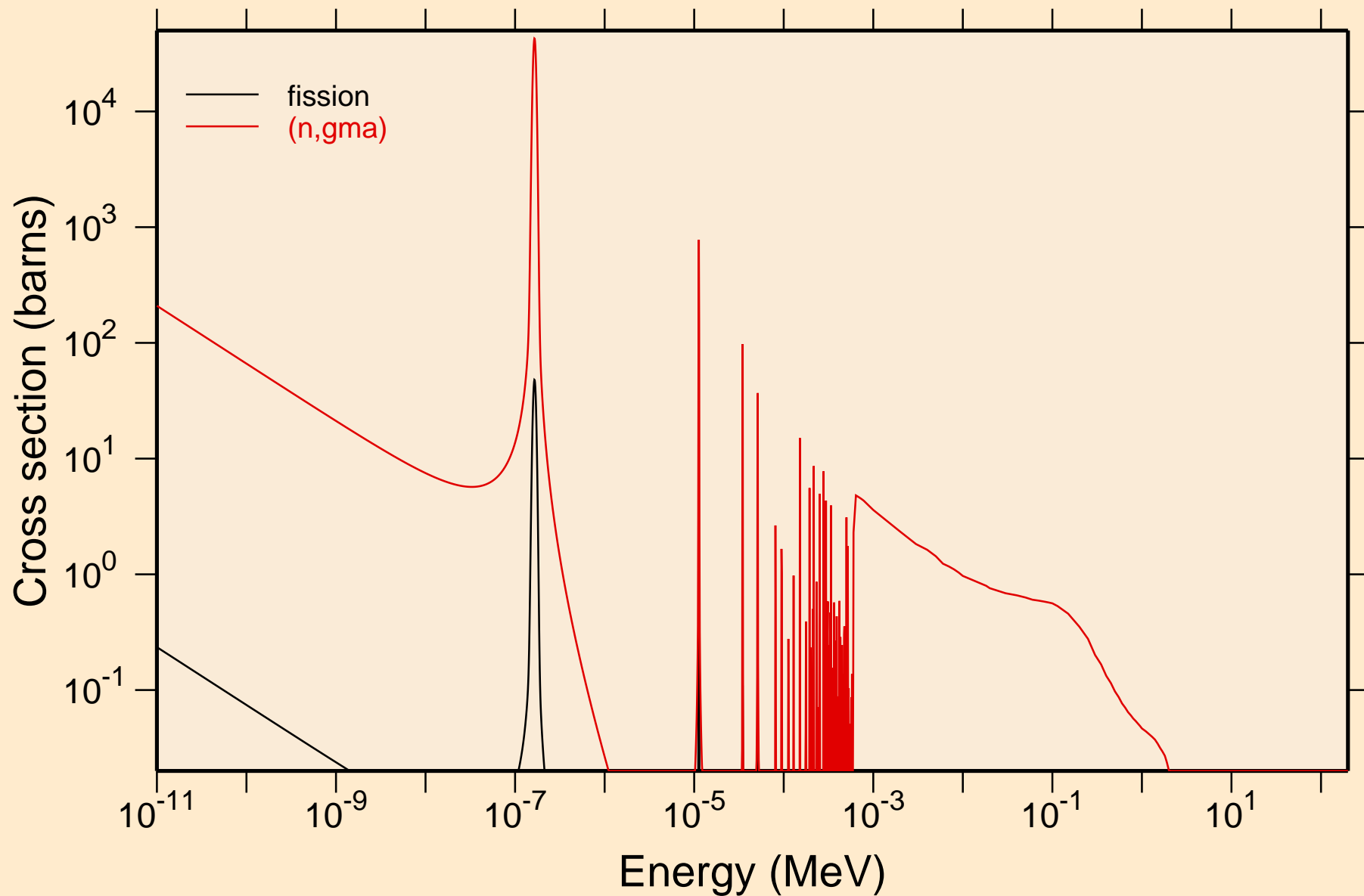
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



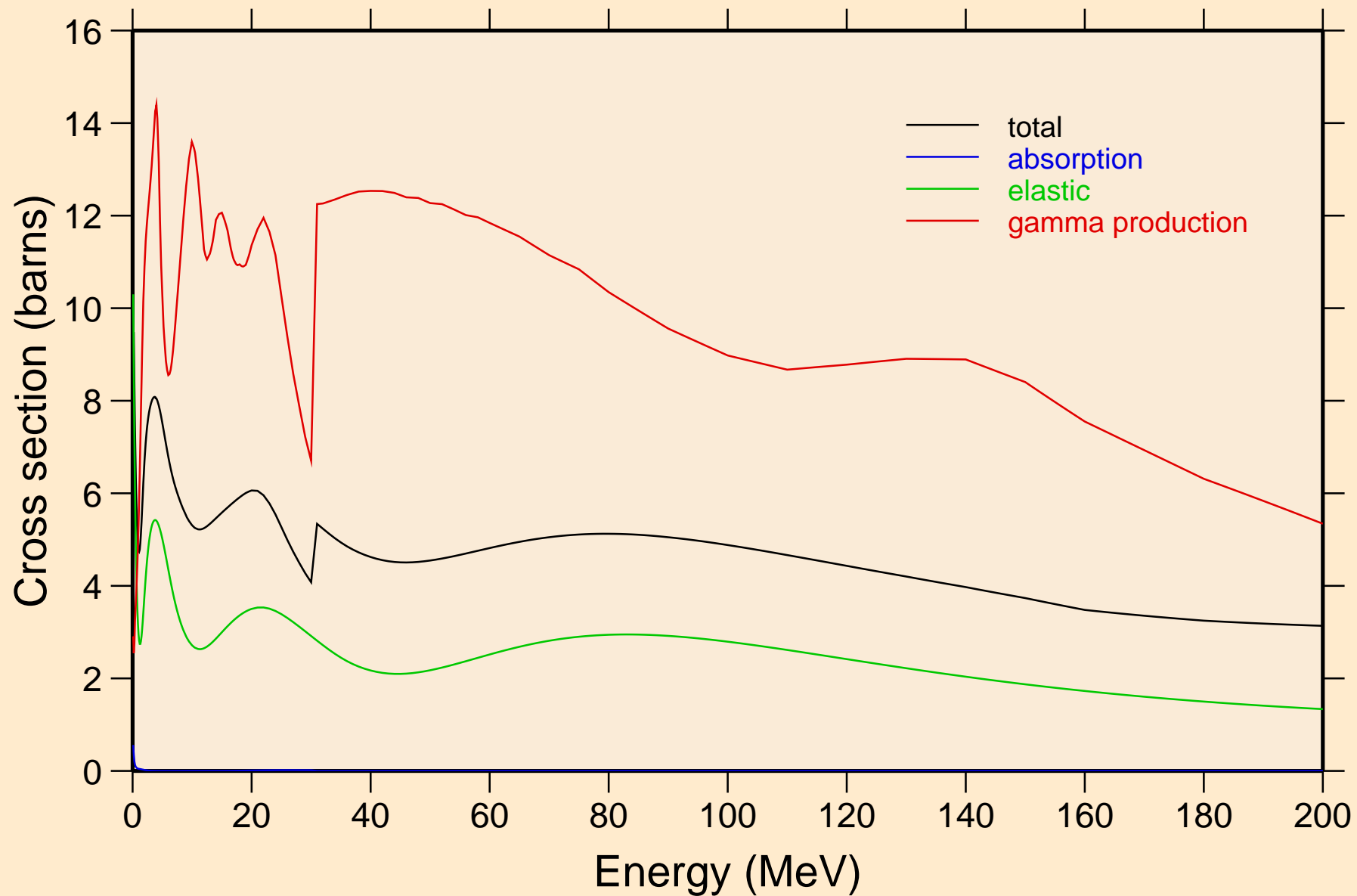
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Damage



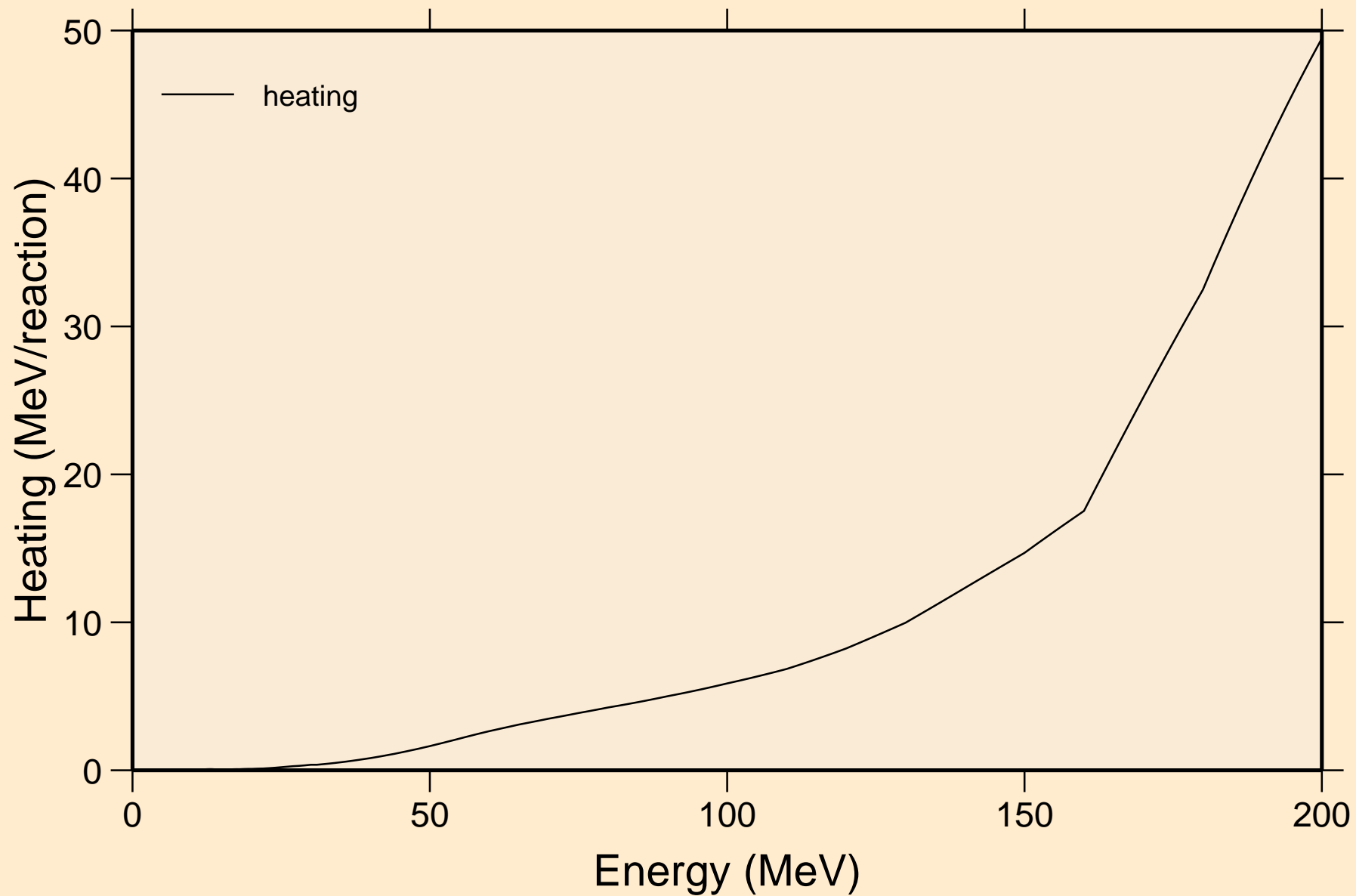
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



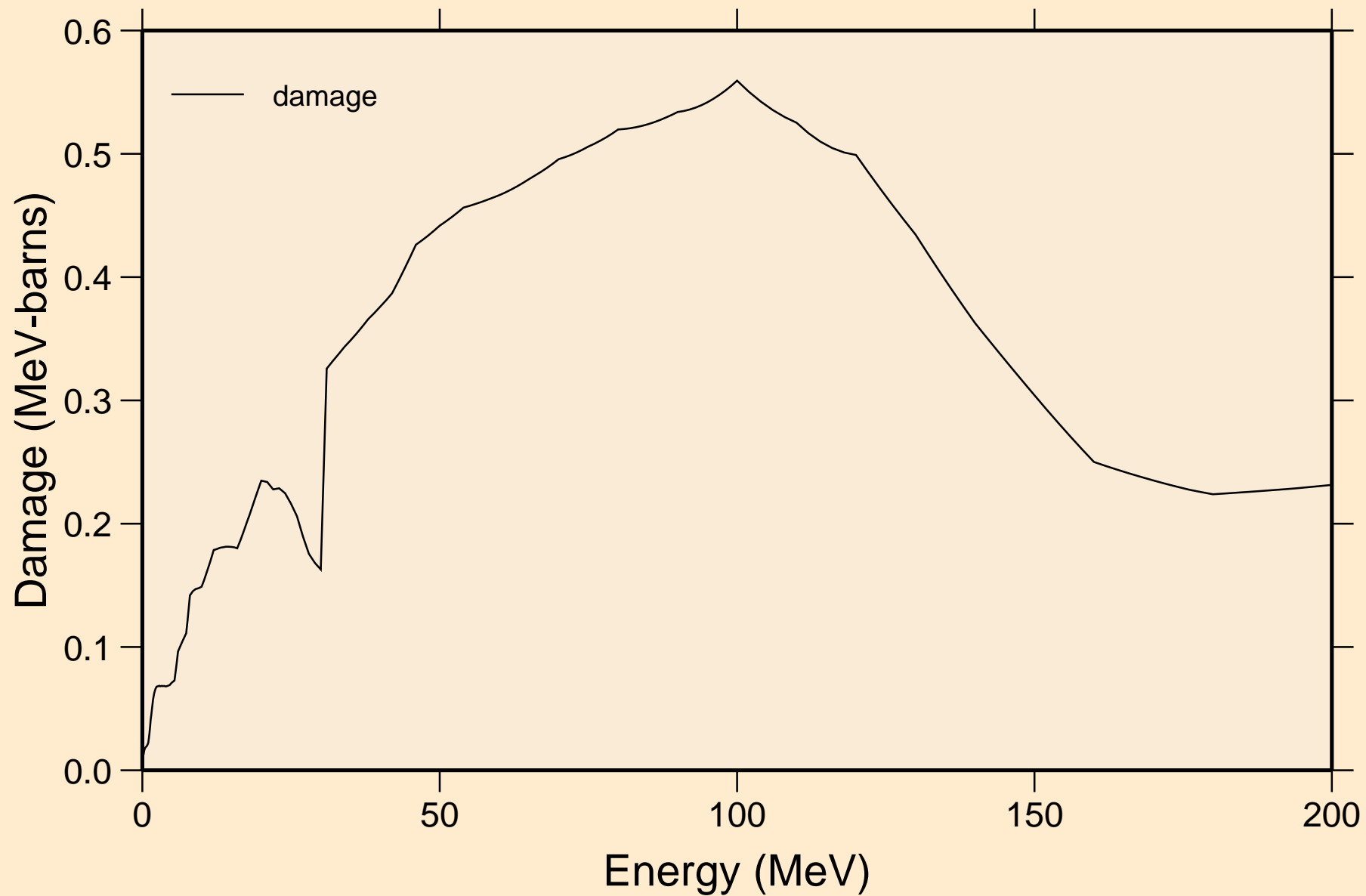
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

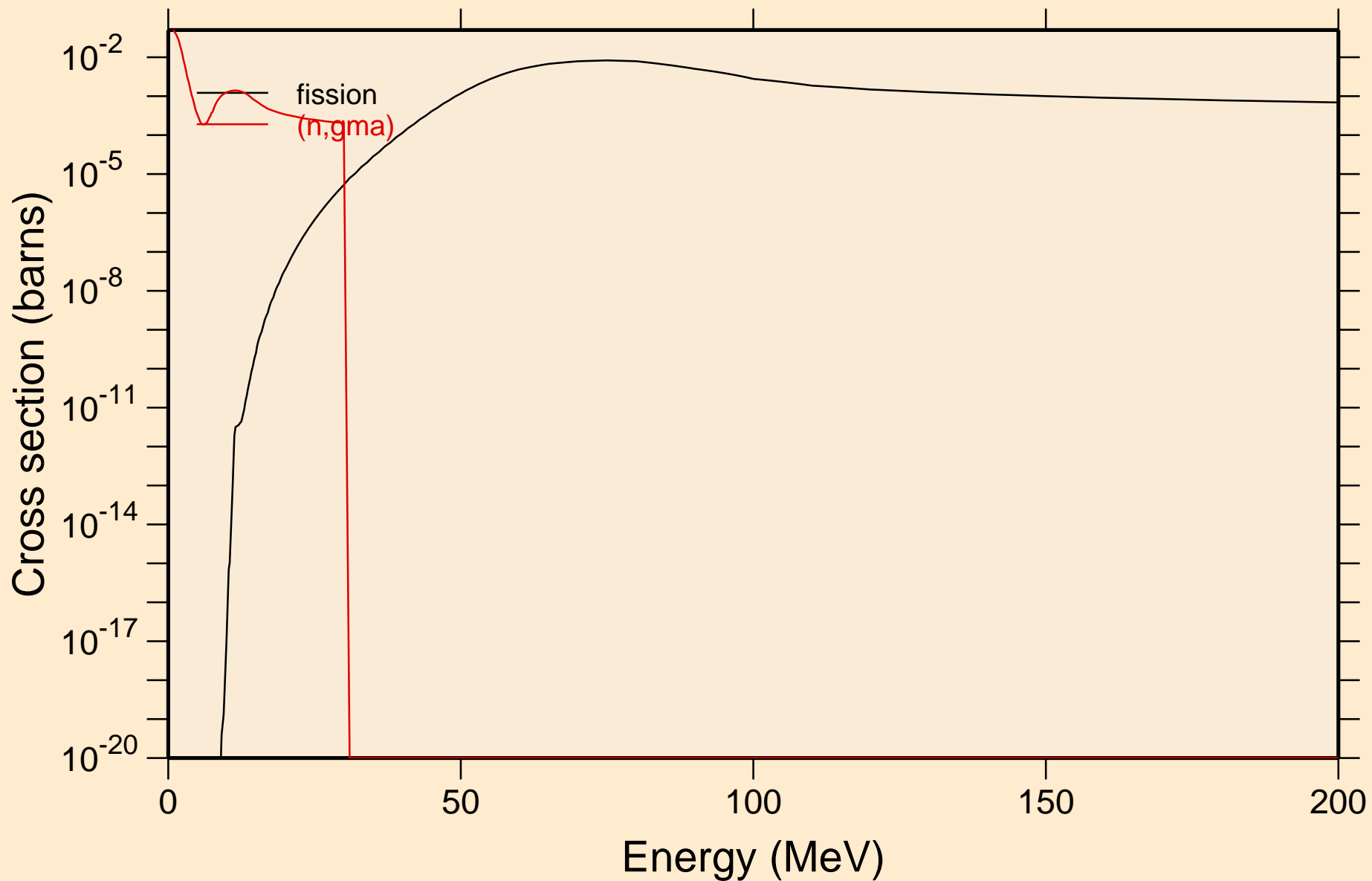


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

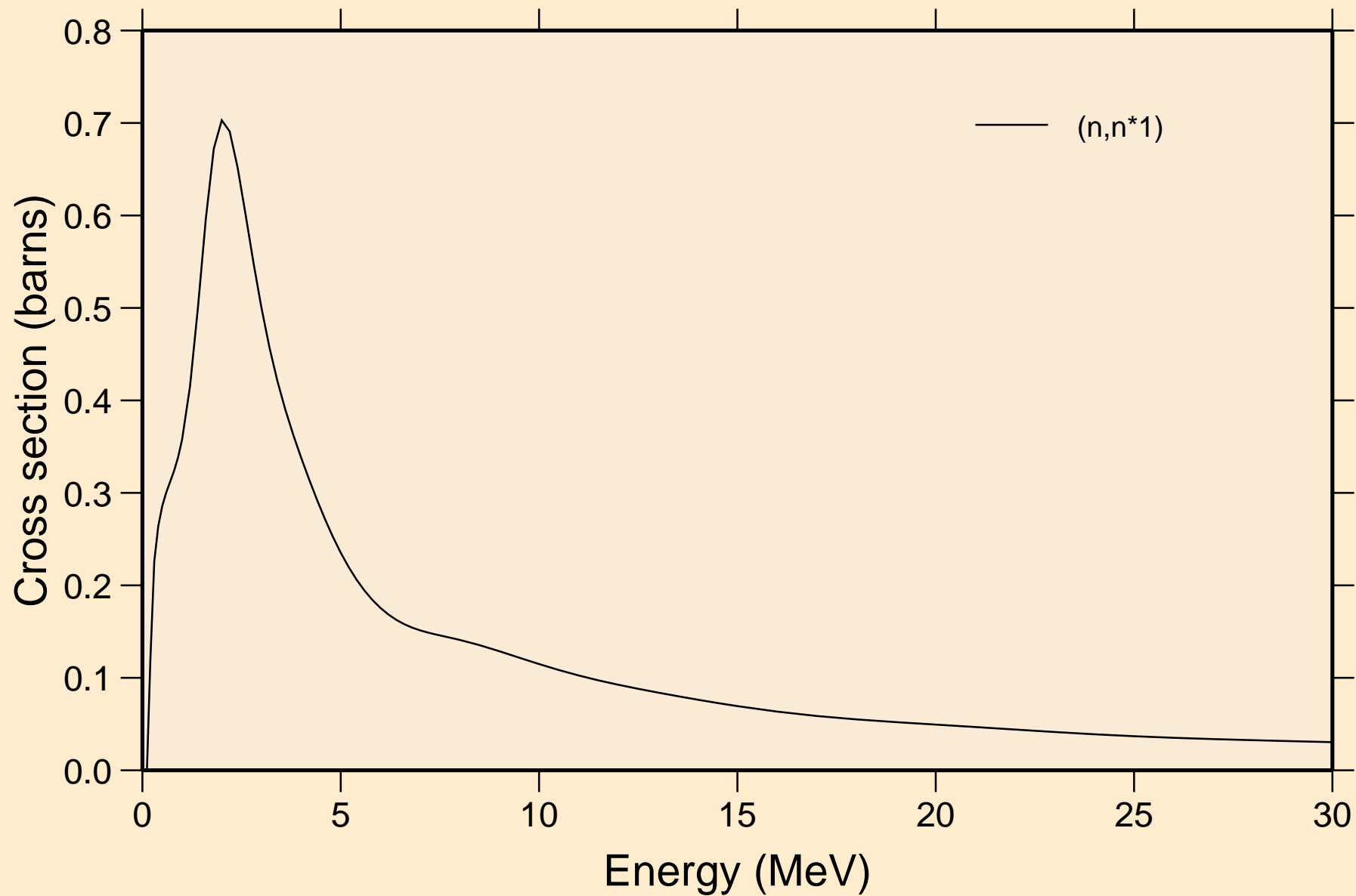




AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

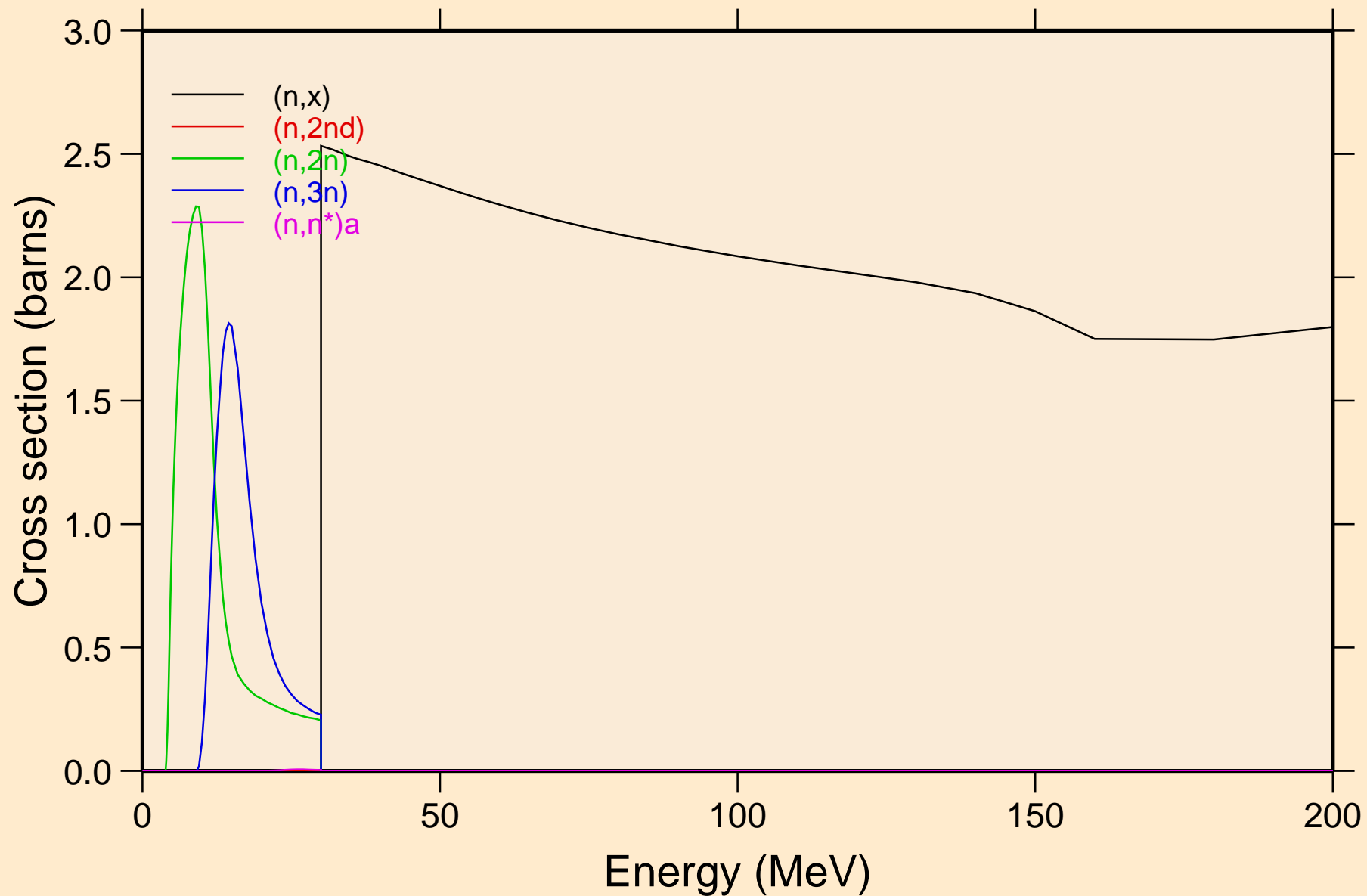


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

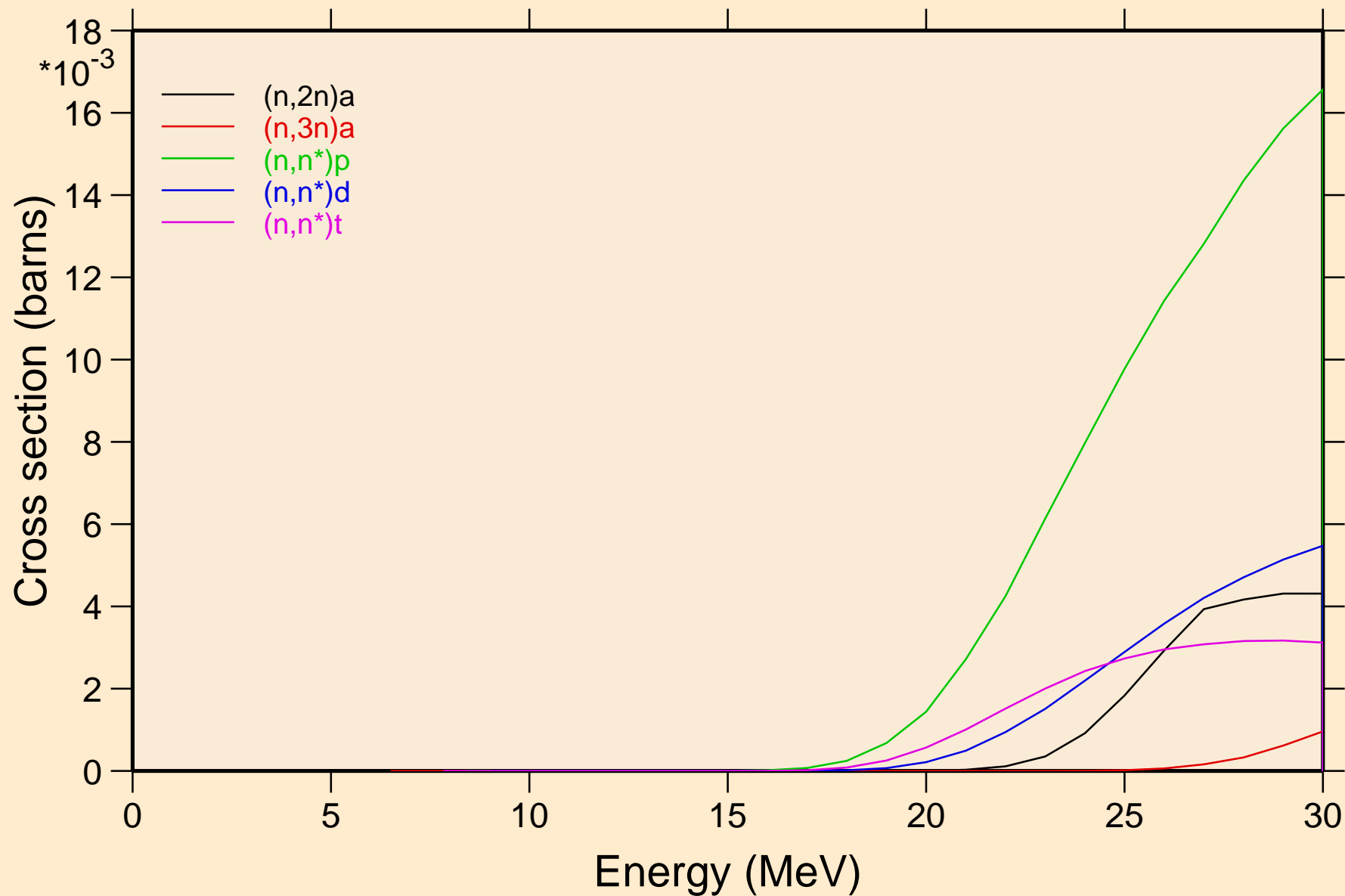


# AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

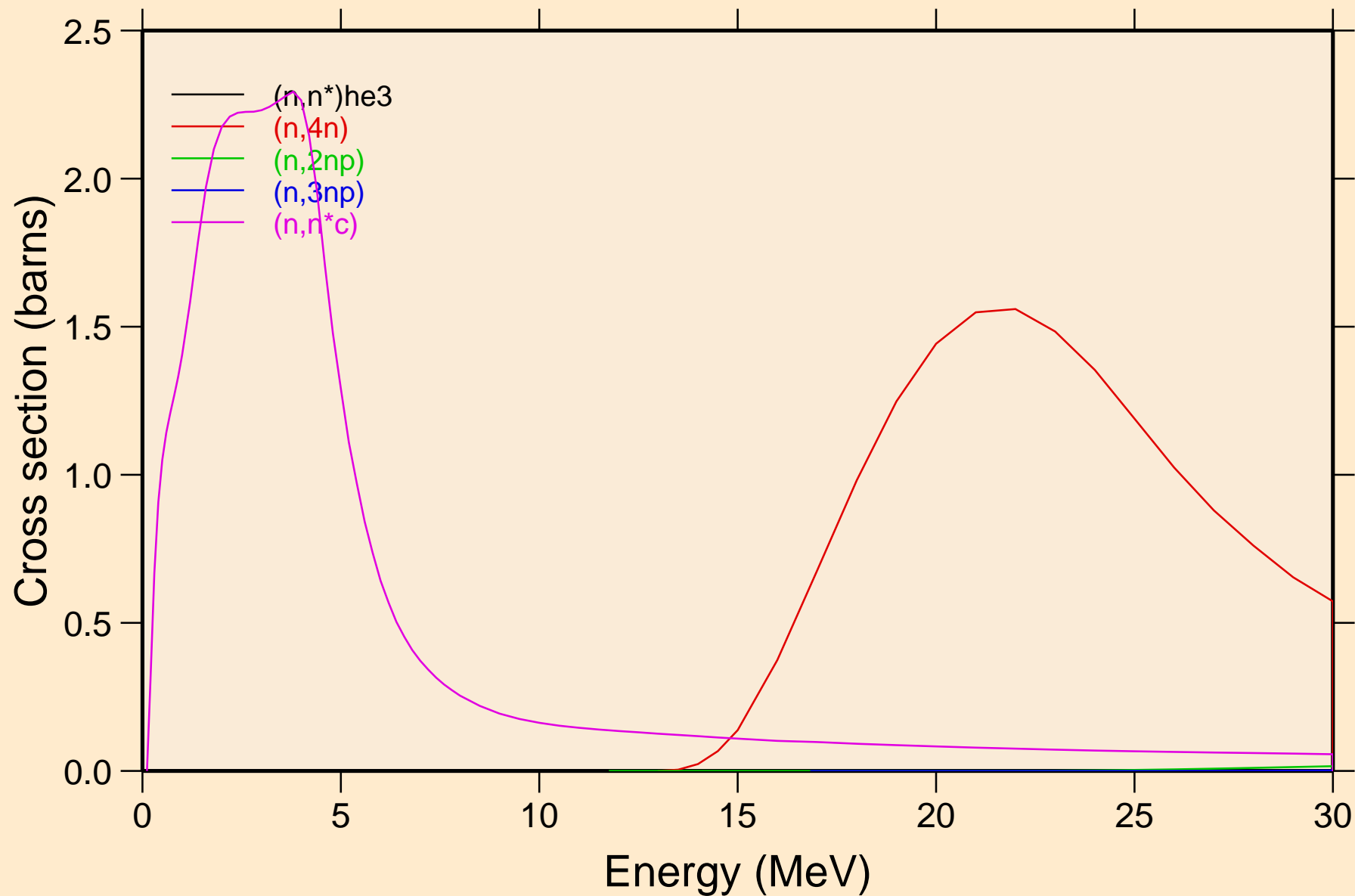
## Threshold reactions



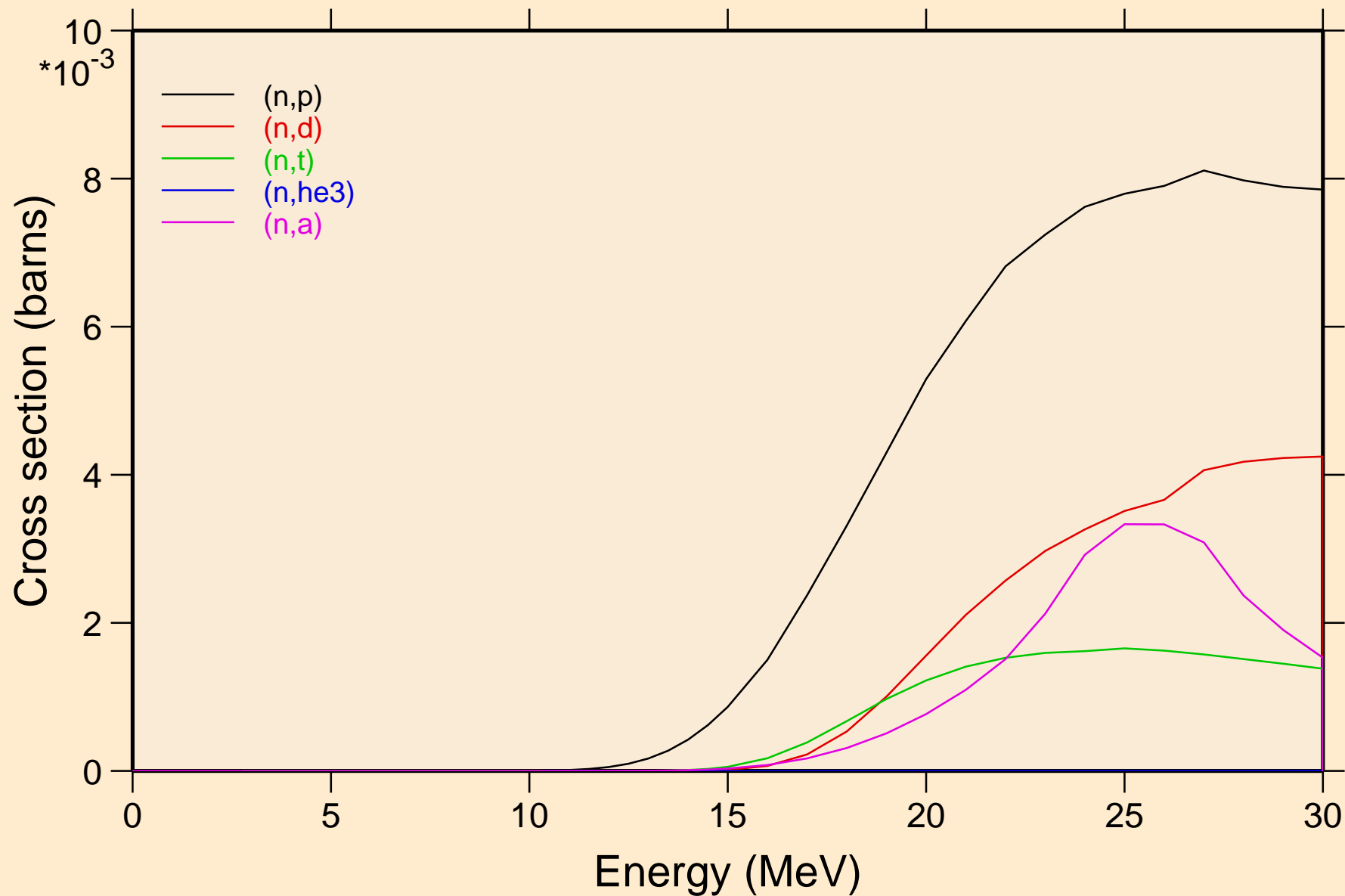
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



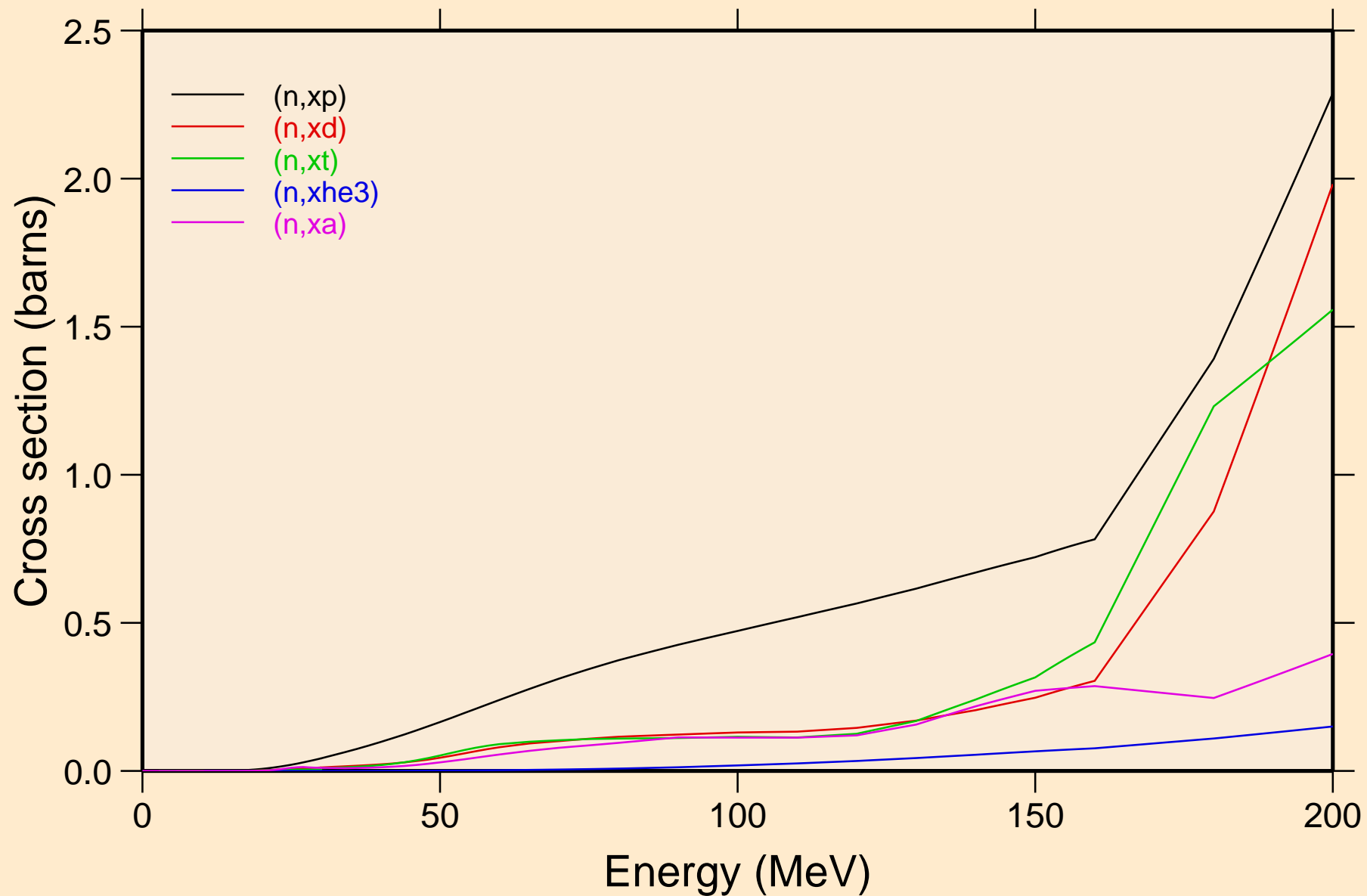
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



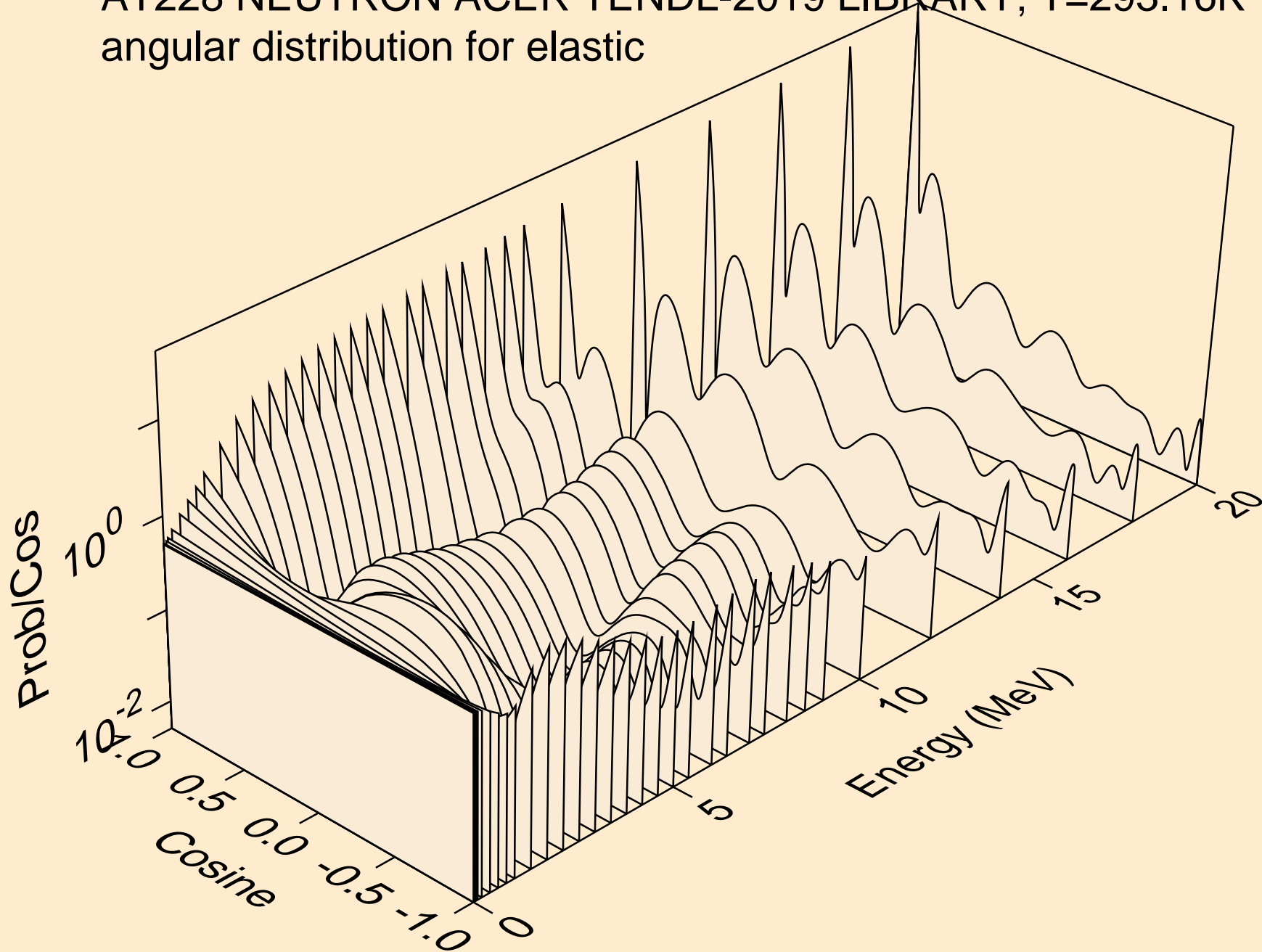
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

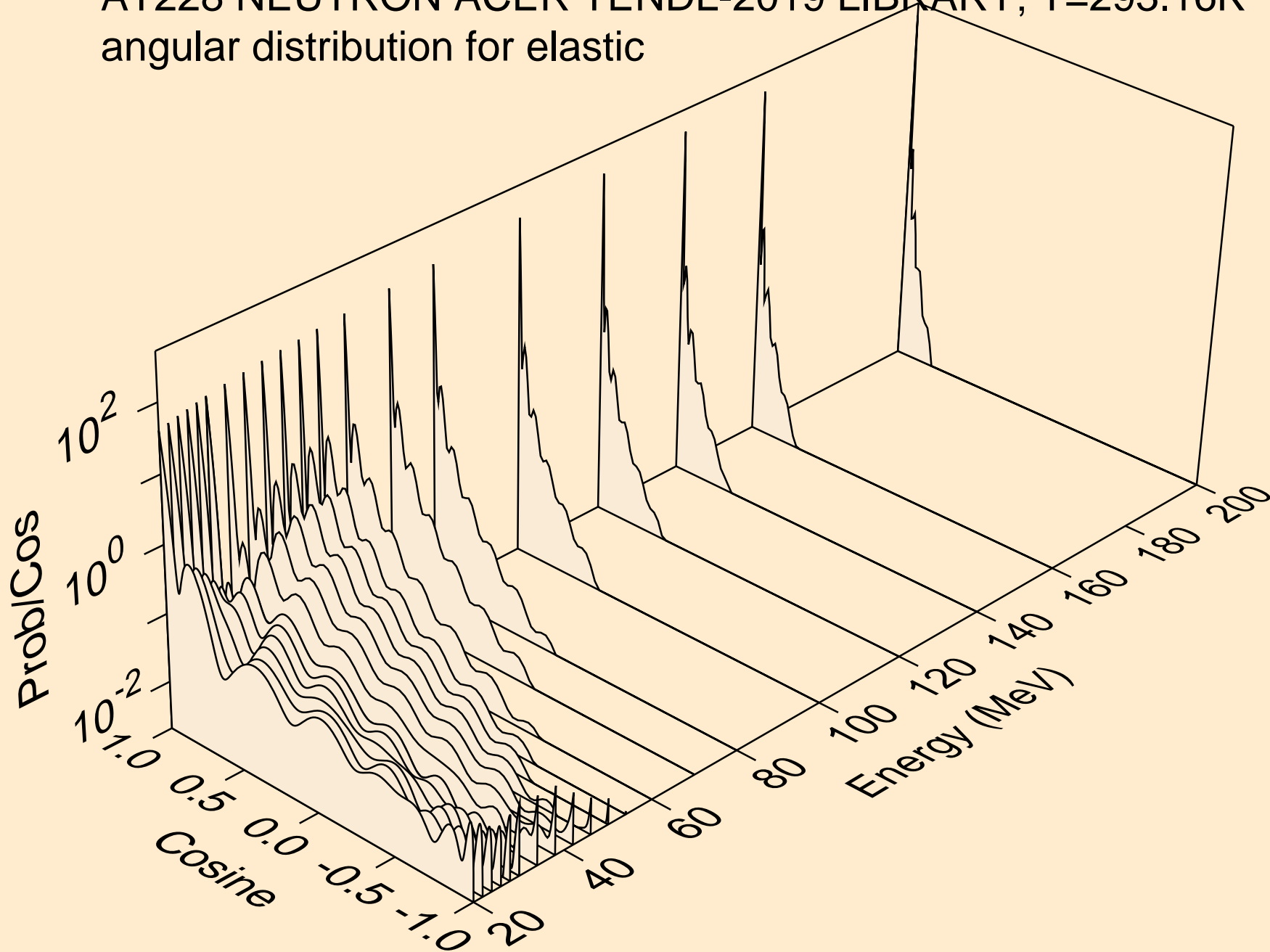


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

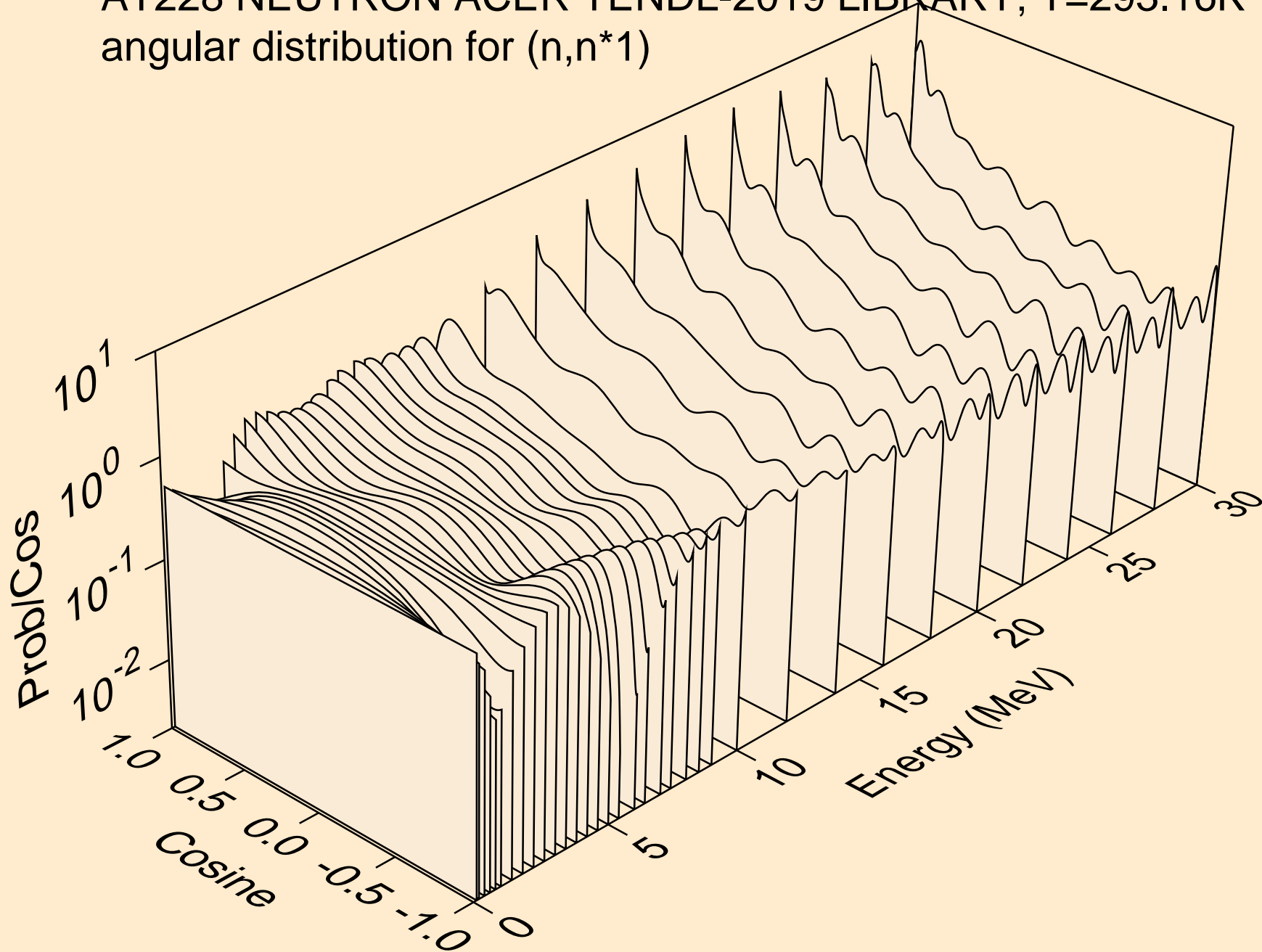




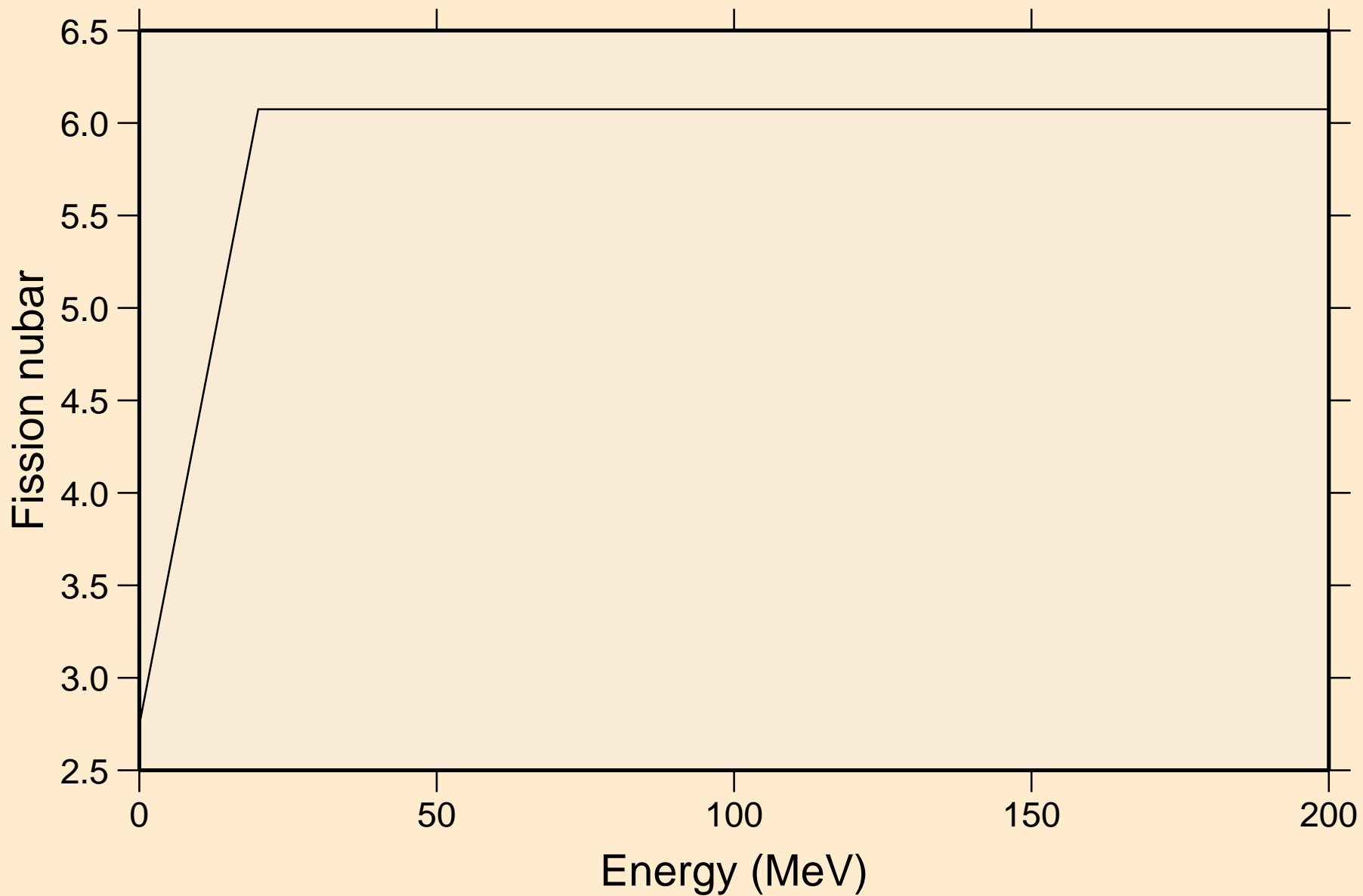
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



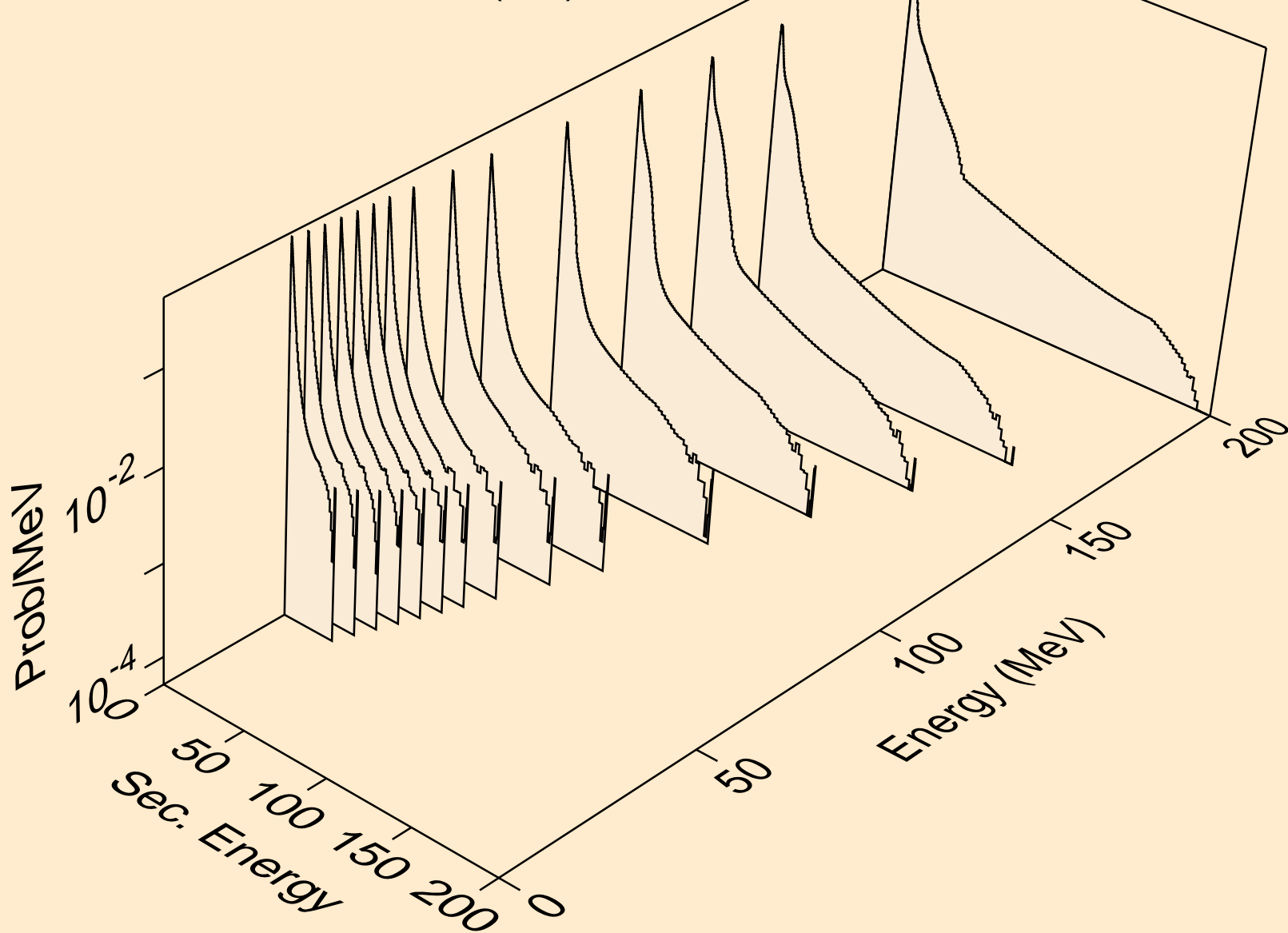
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



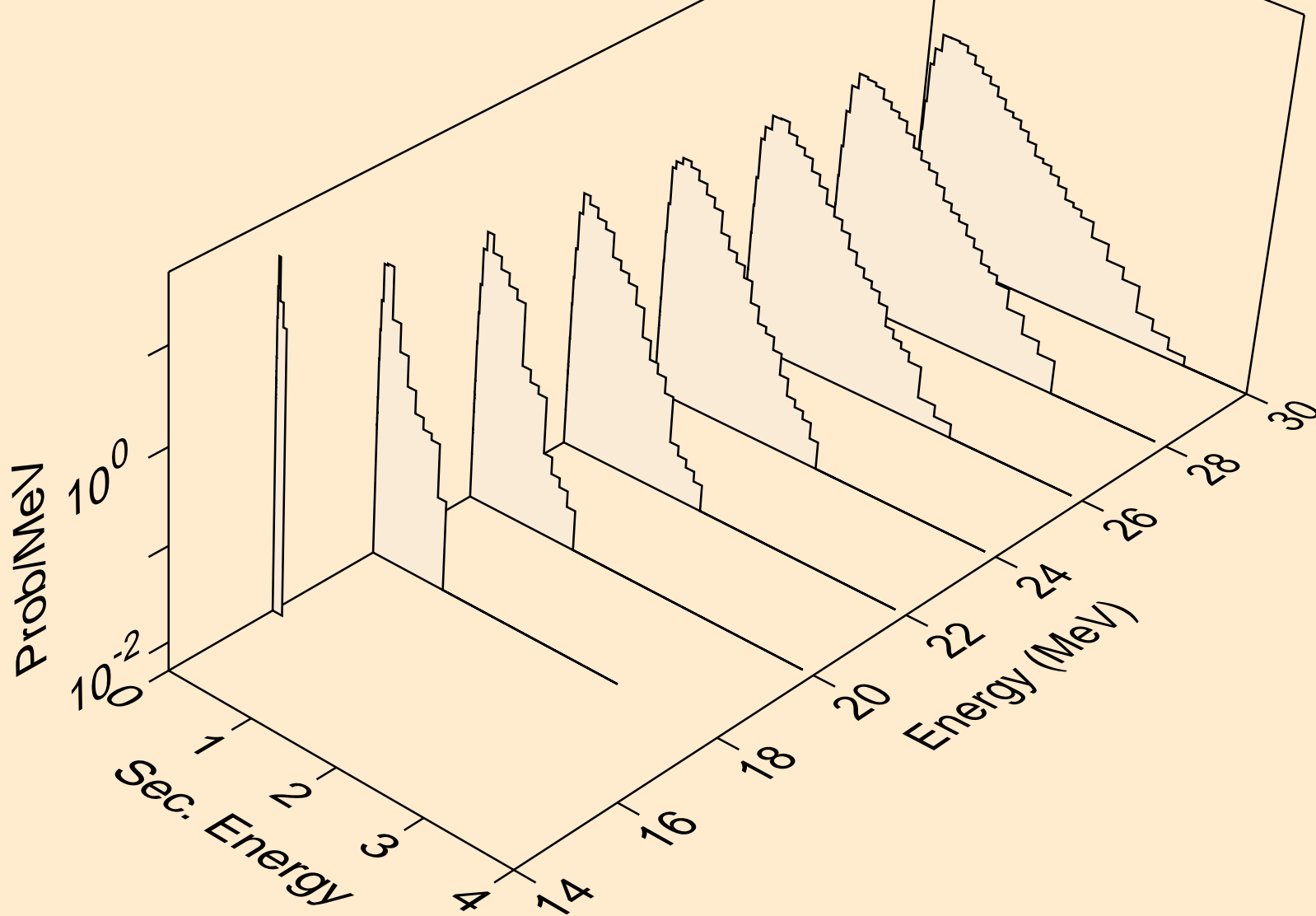
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Total fission nubar



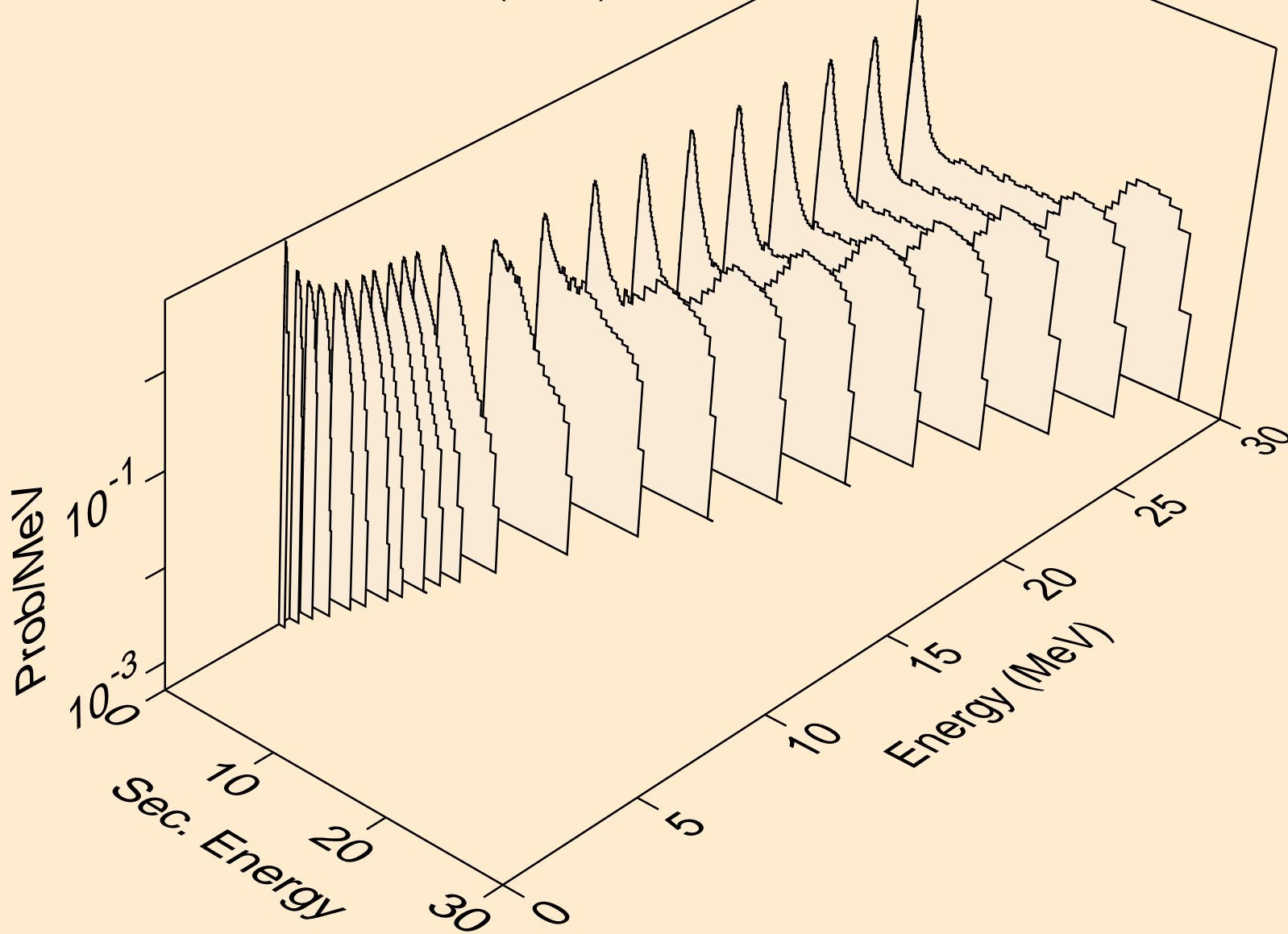
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



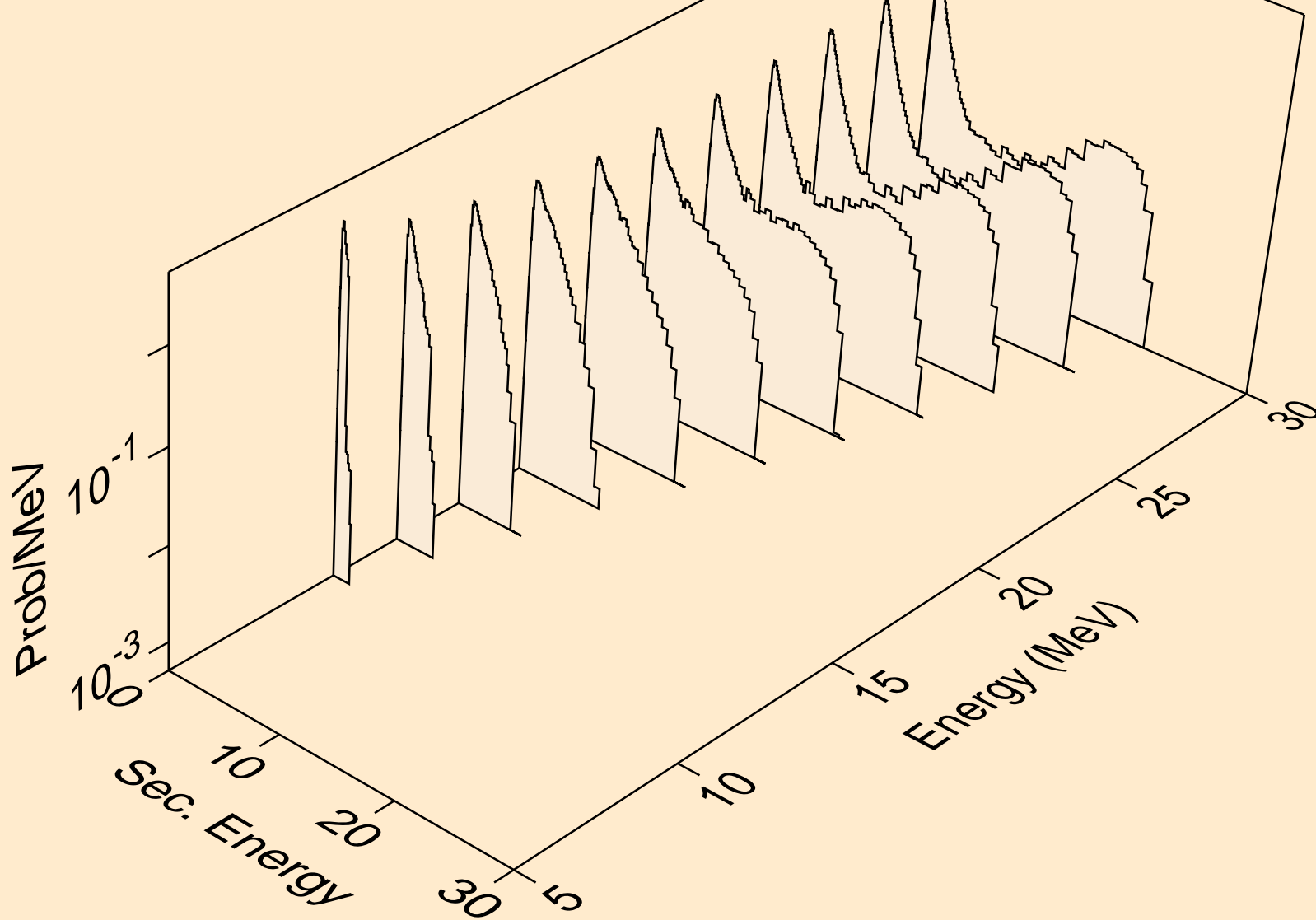
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



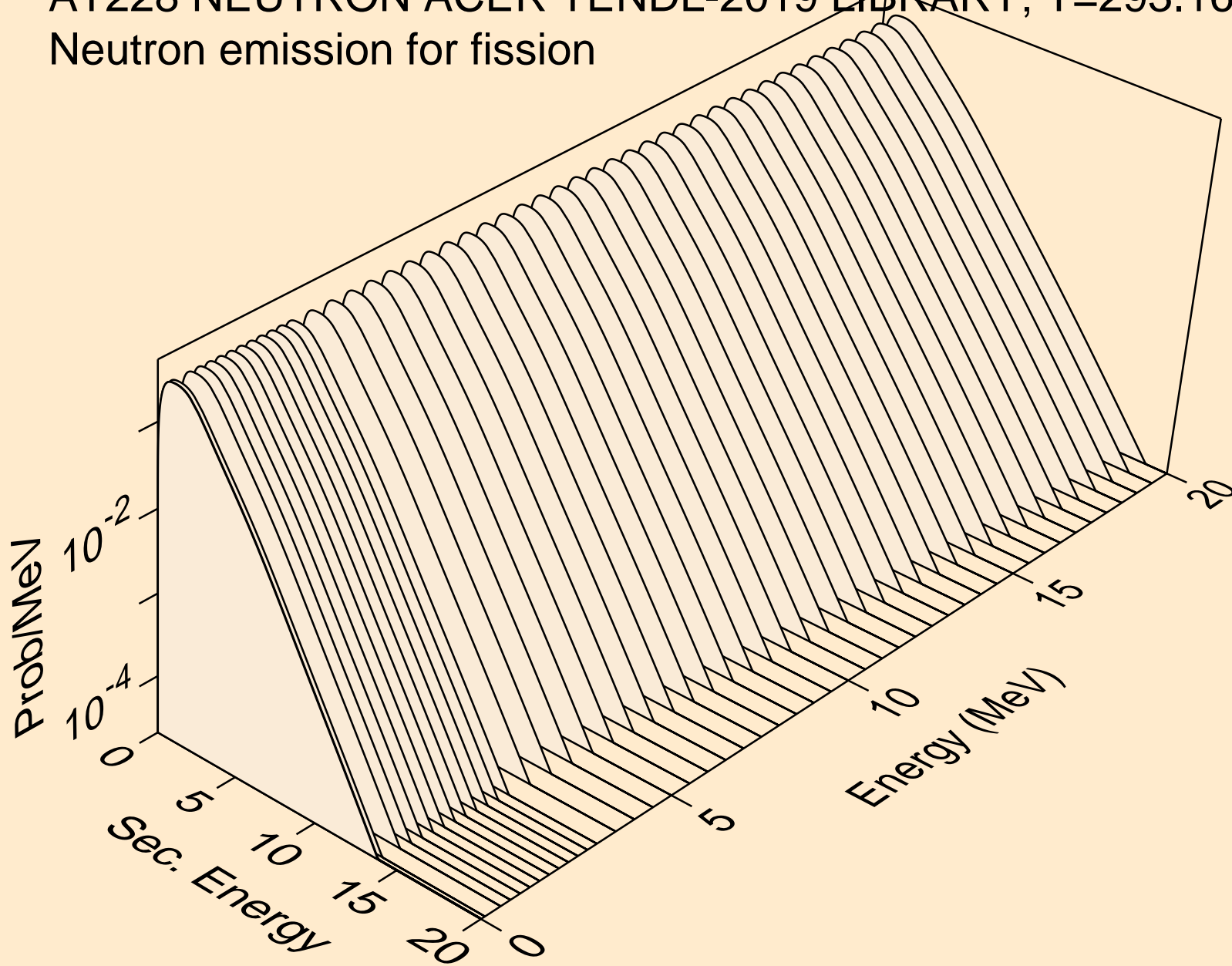
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

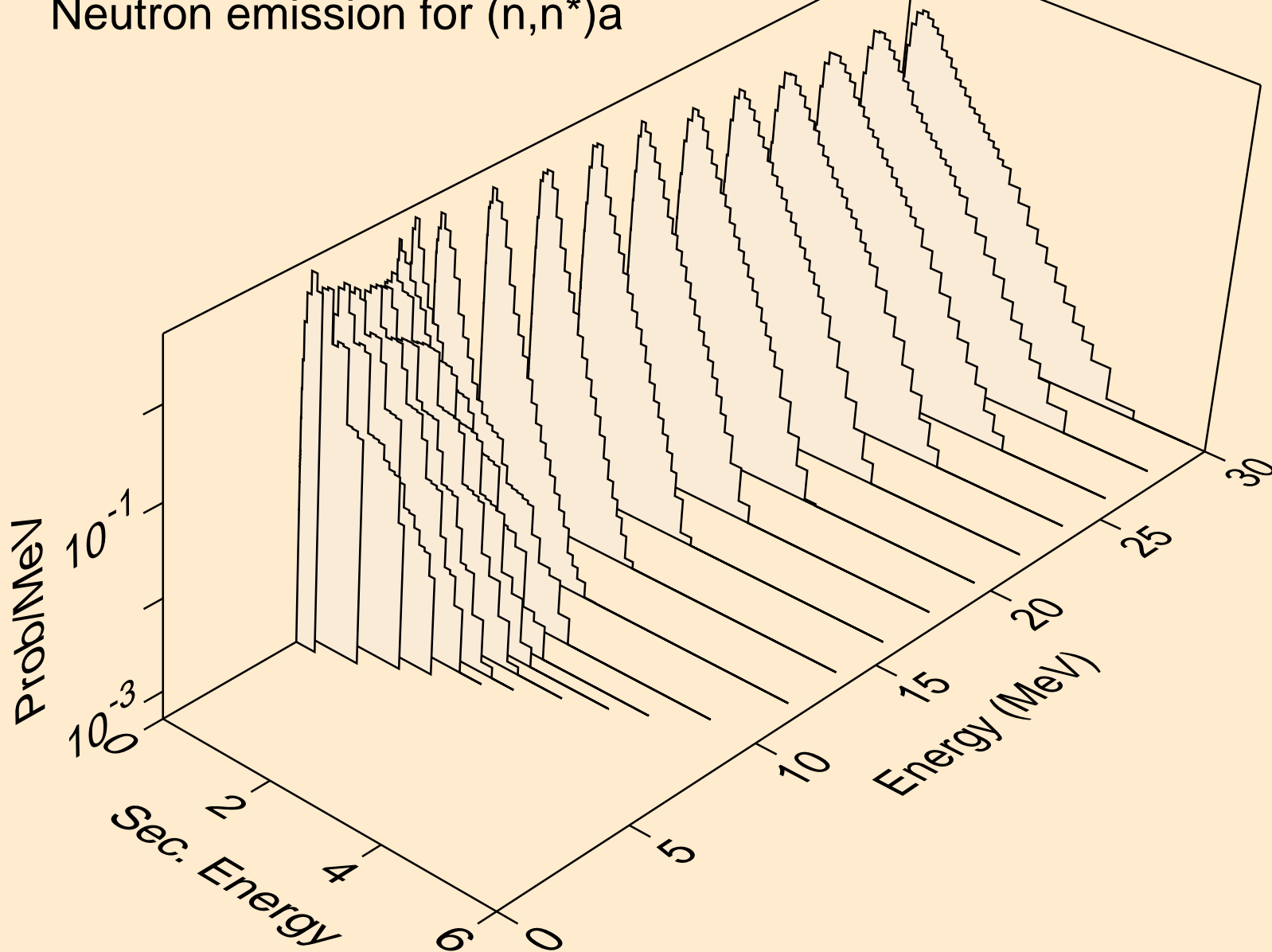


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission

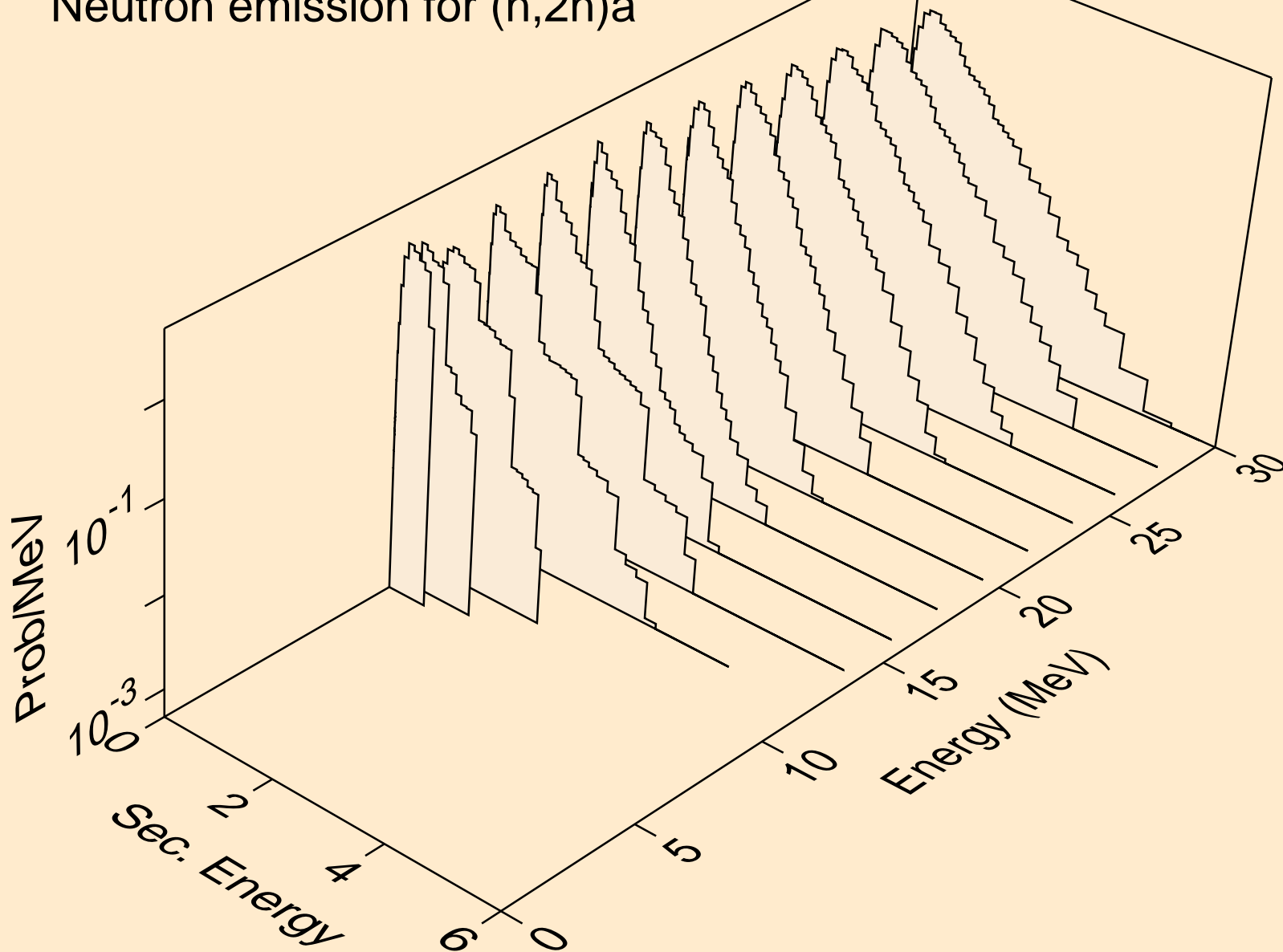




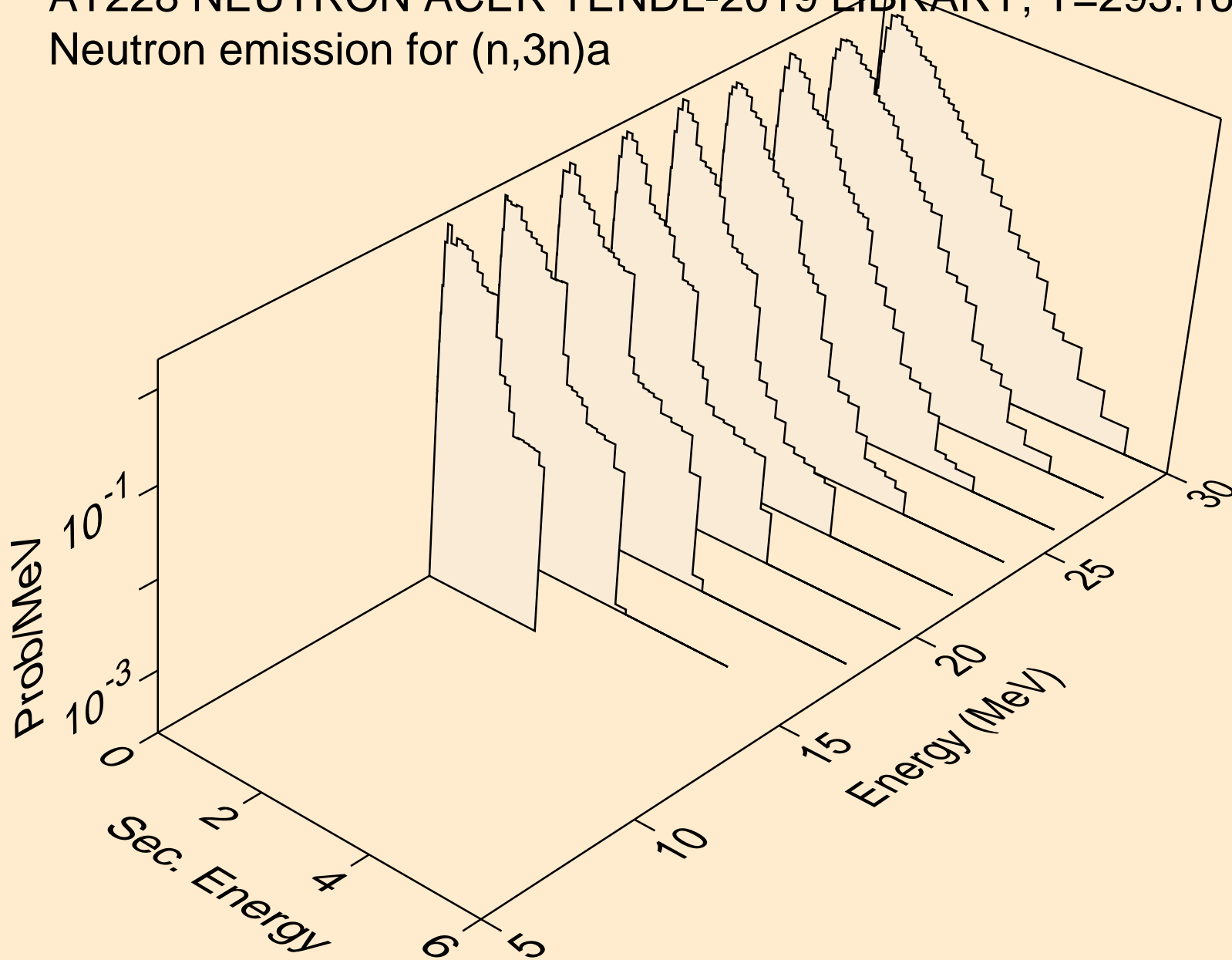
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



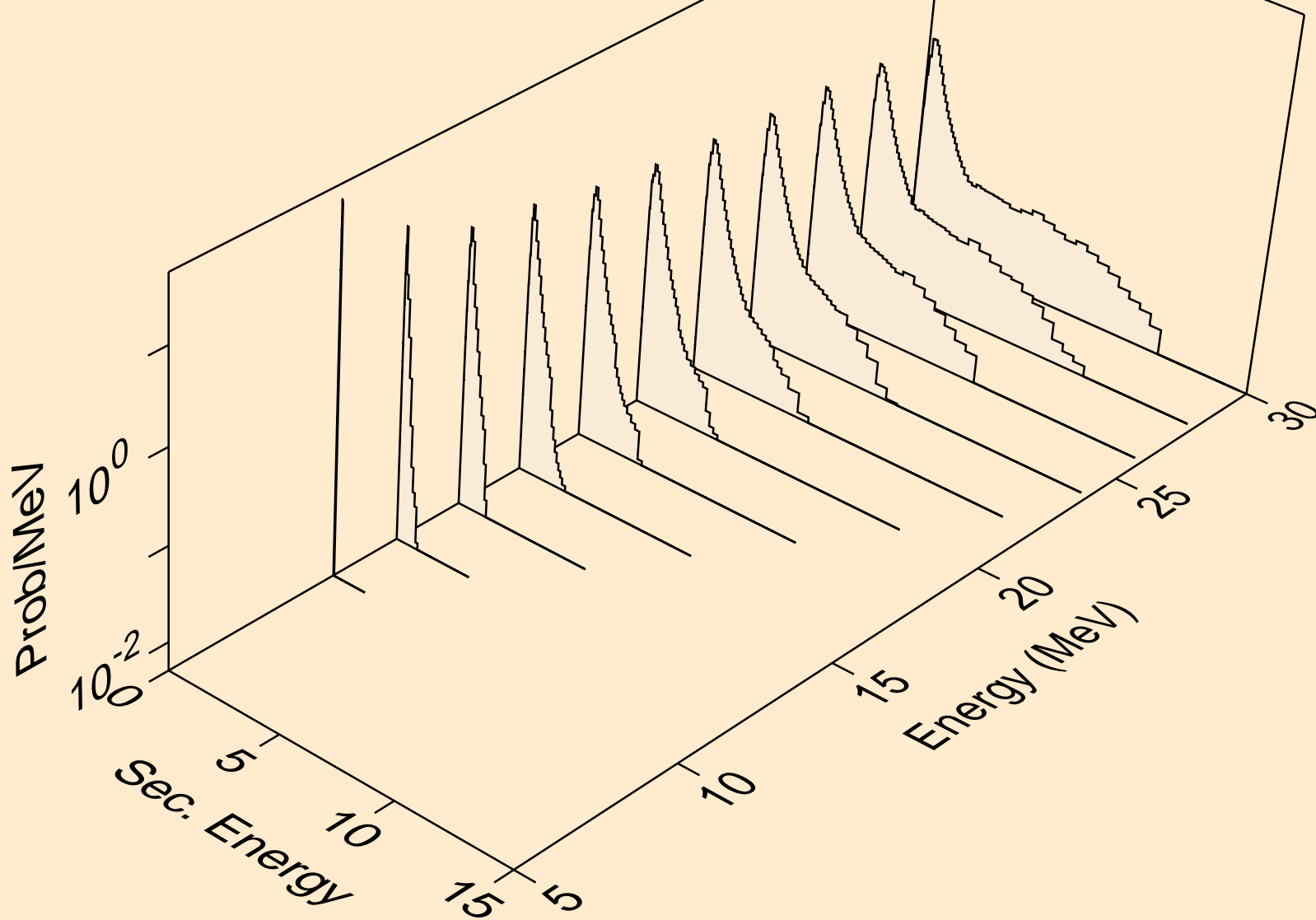
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



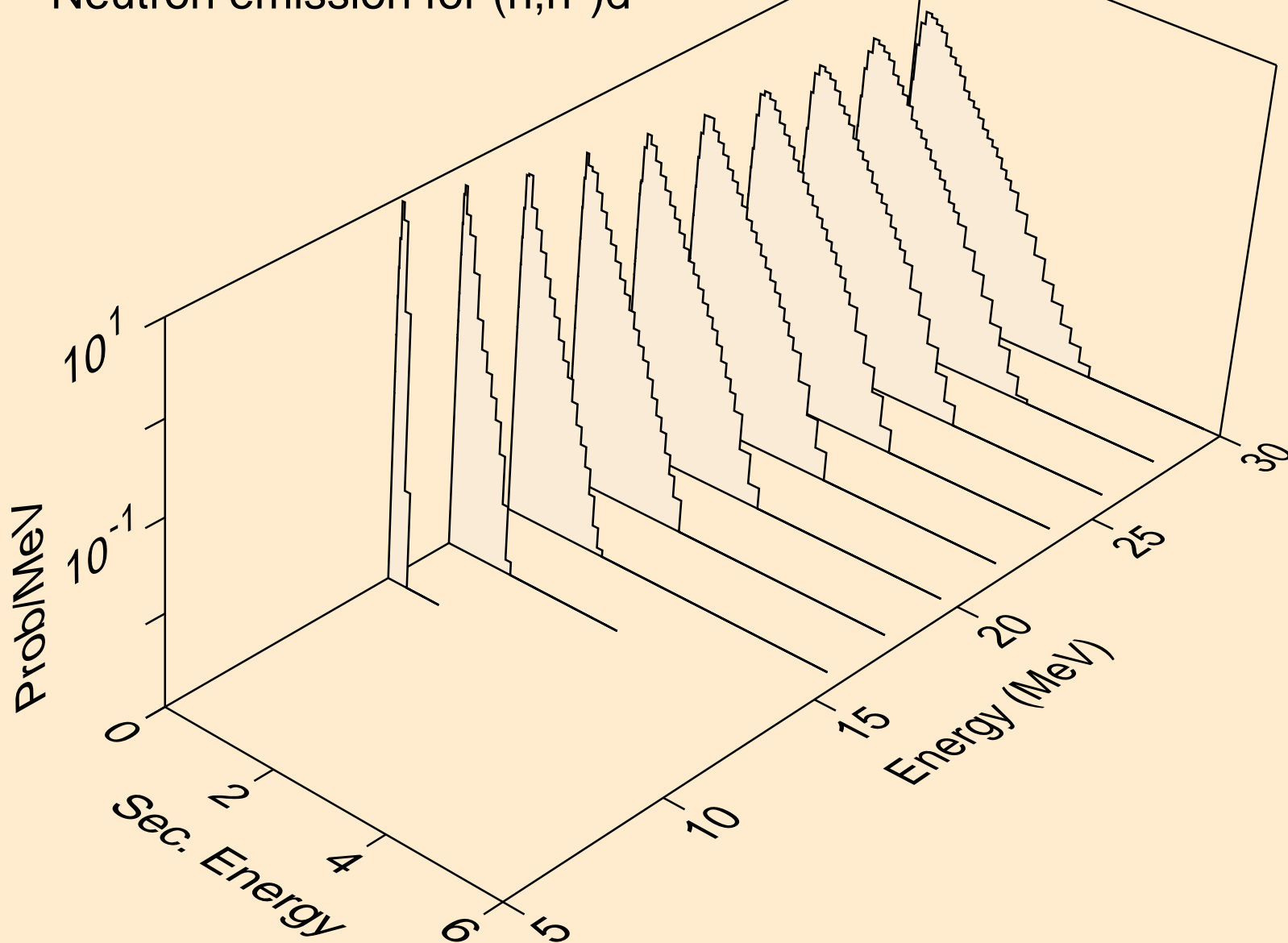
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



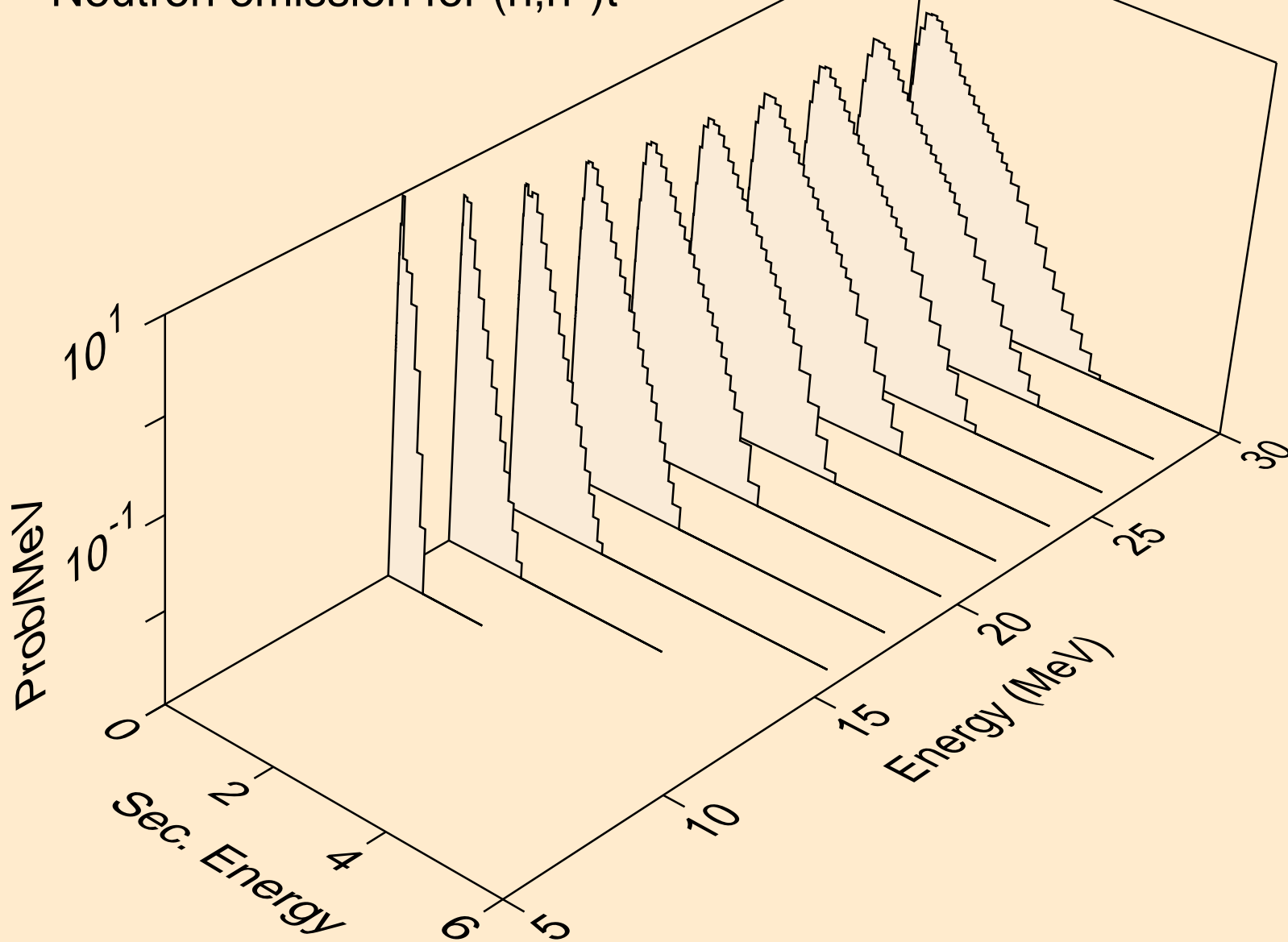
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



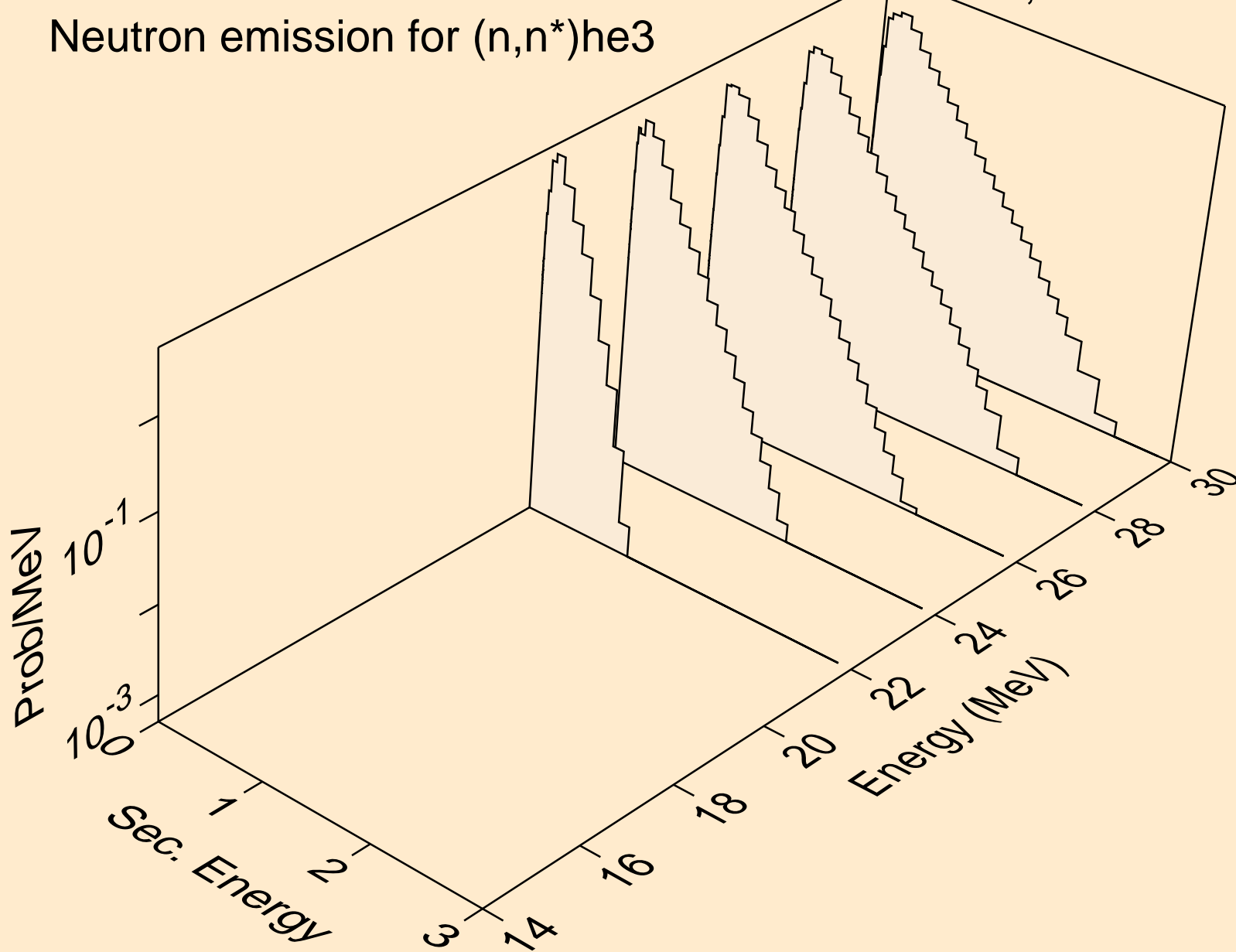
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



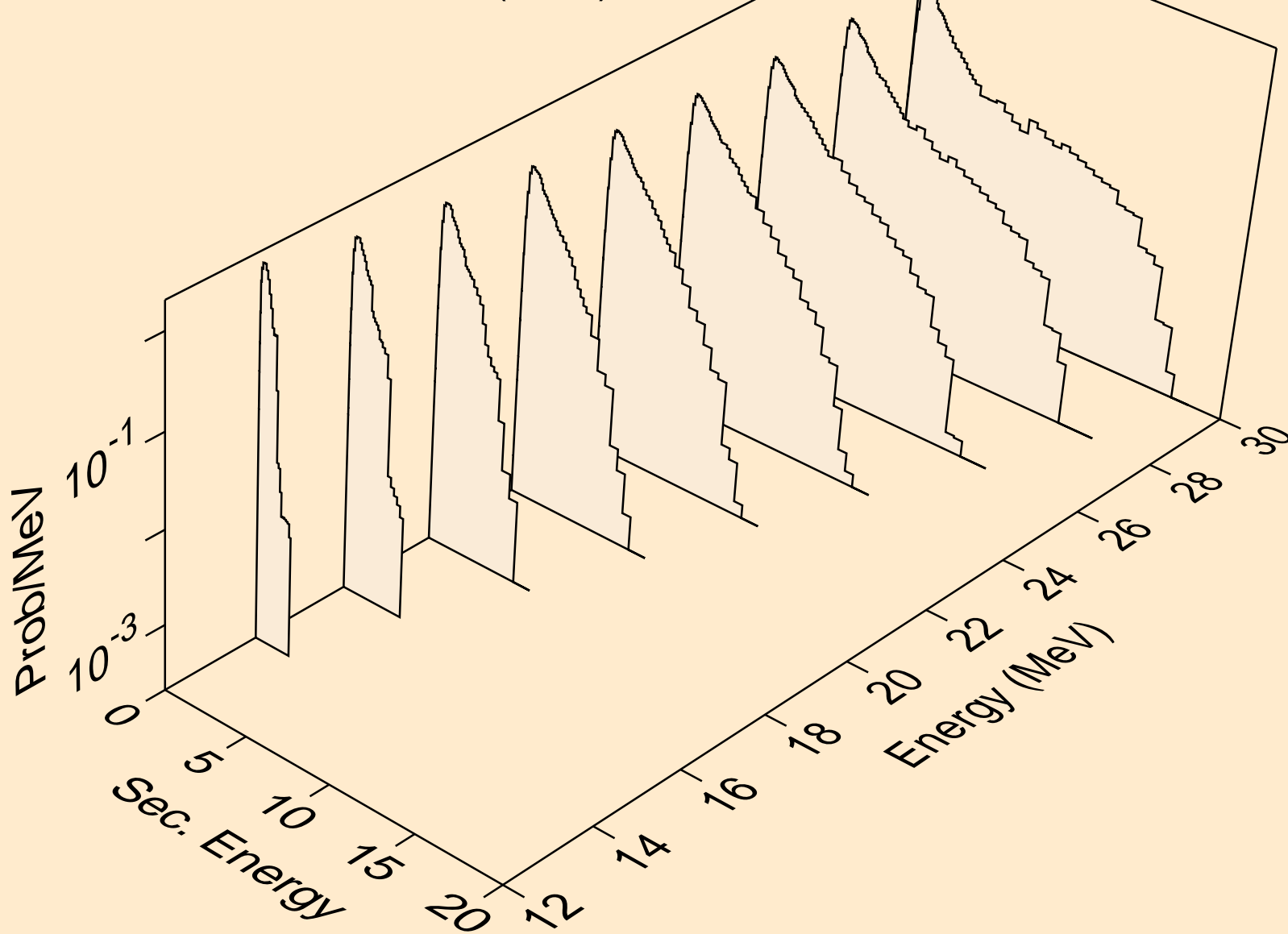
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

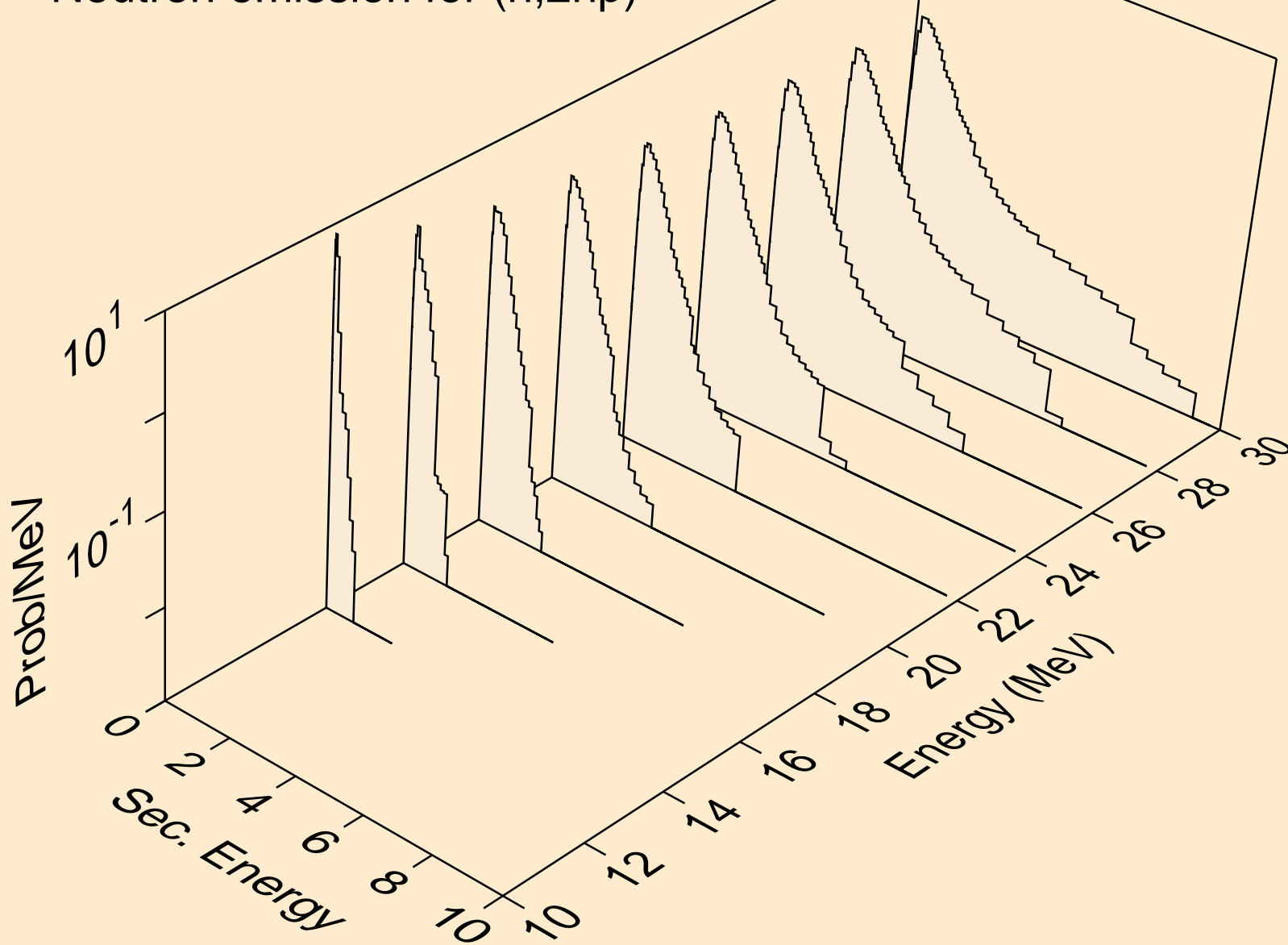


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

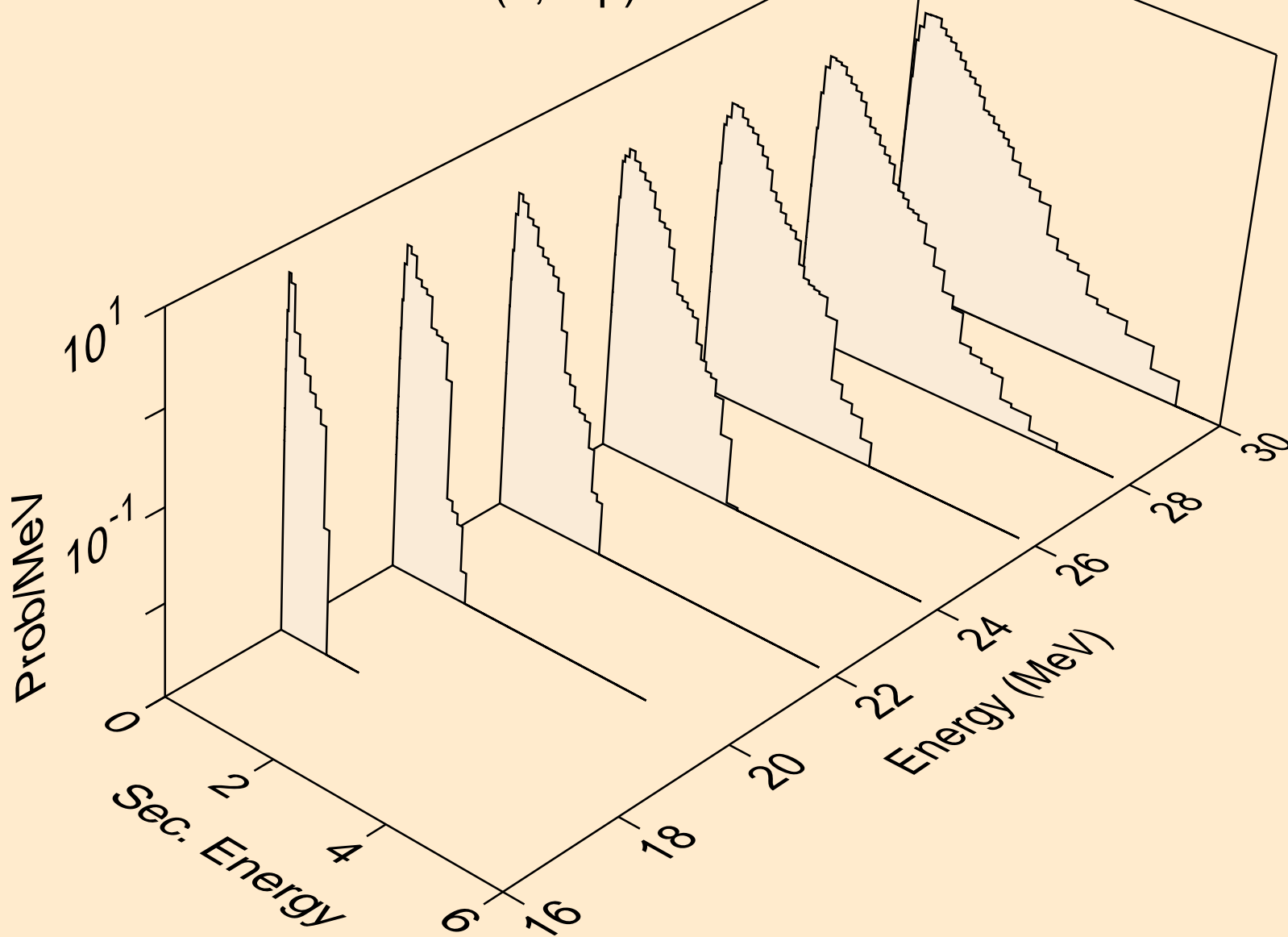




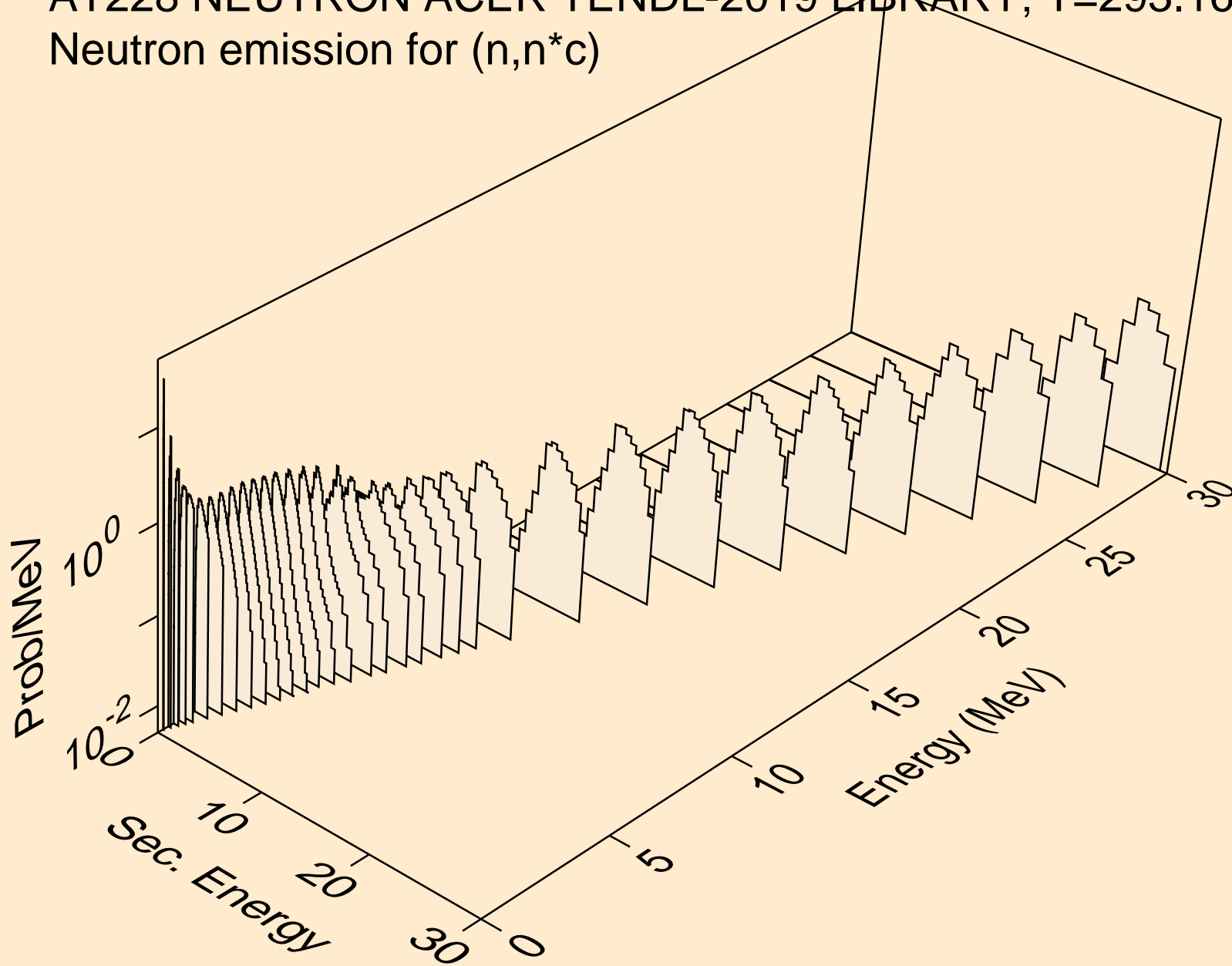
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

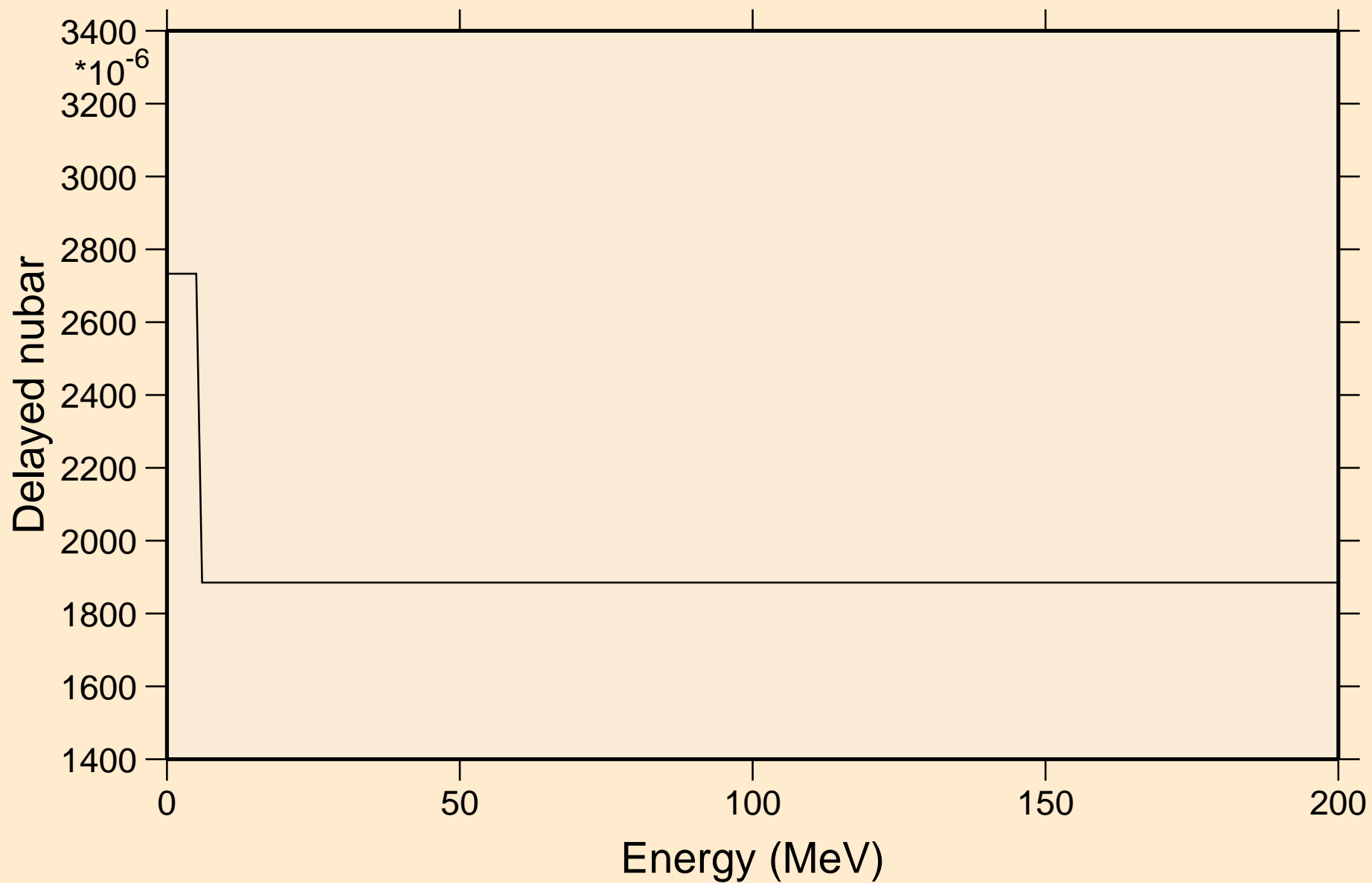


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



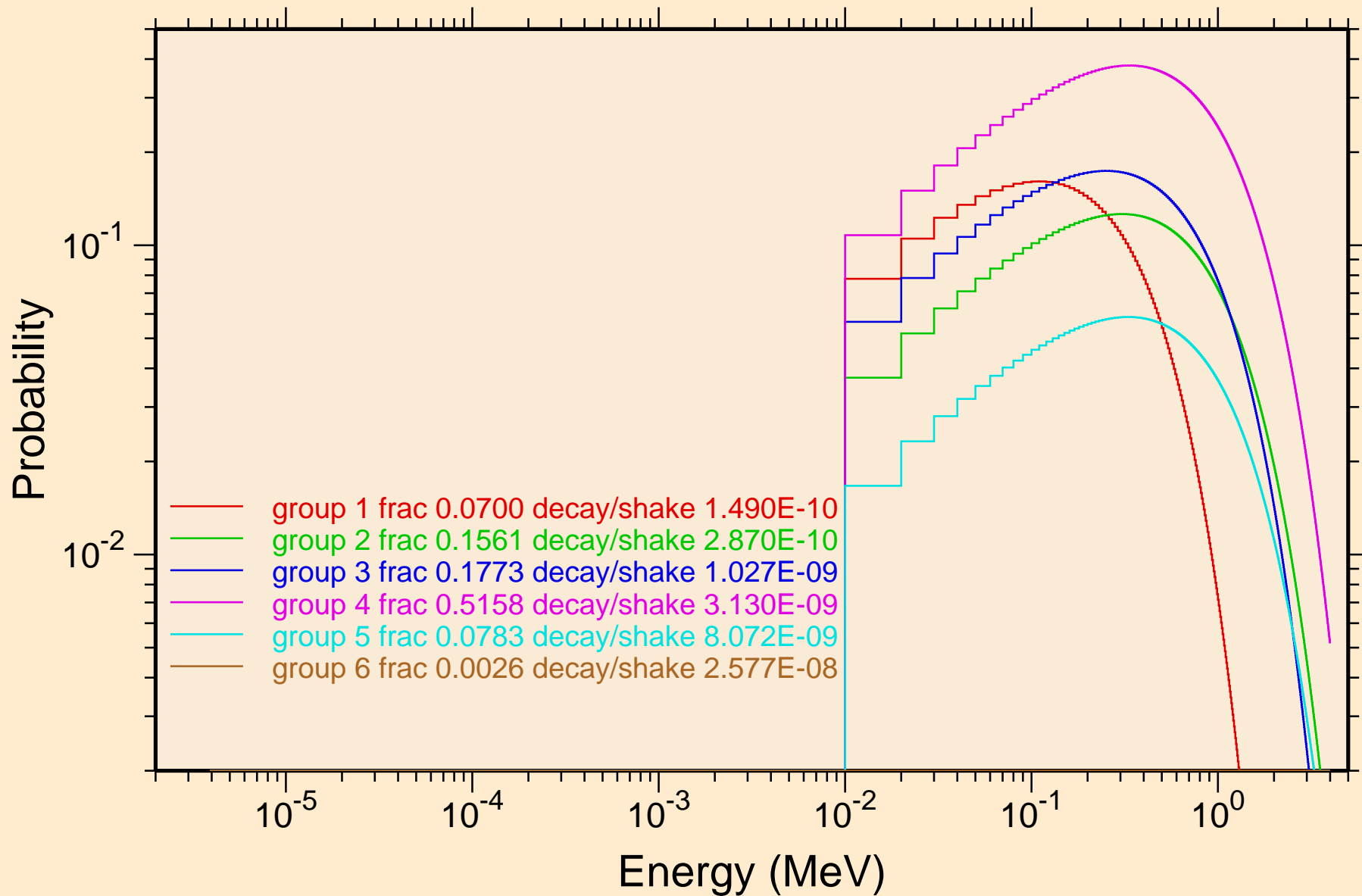
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## Delayed nubar

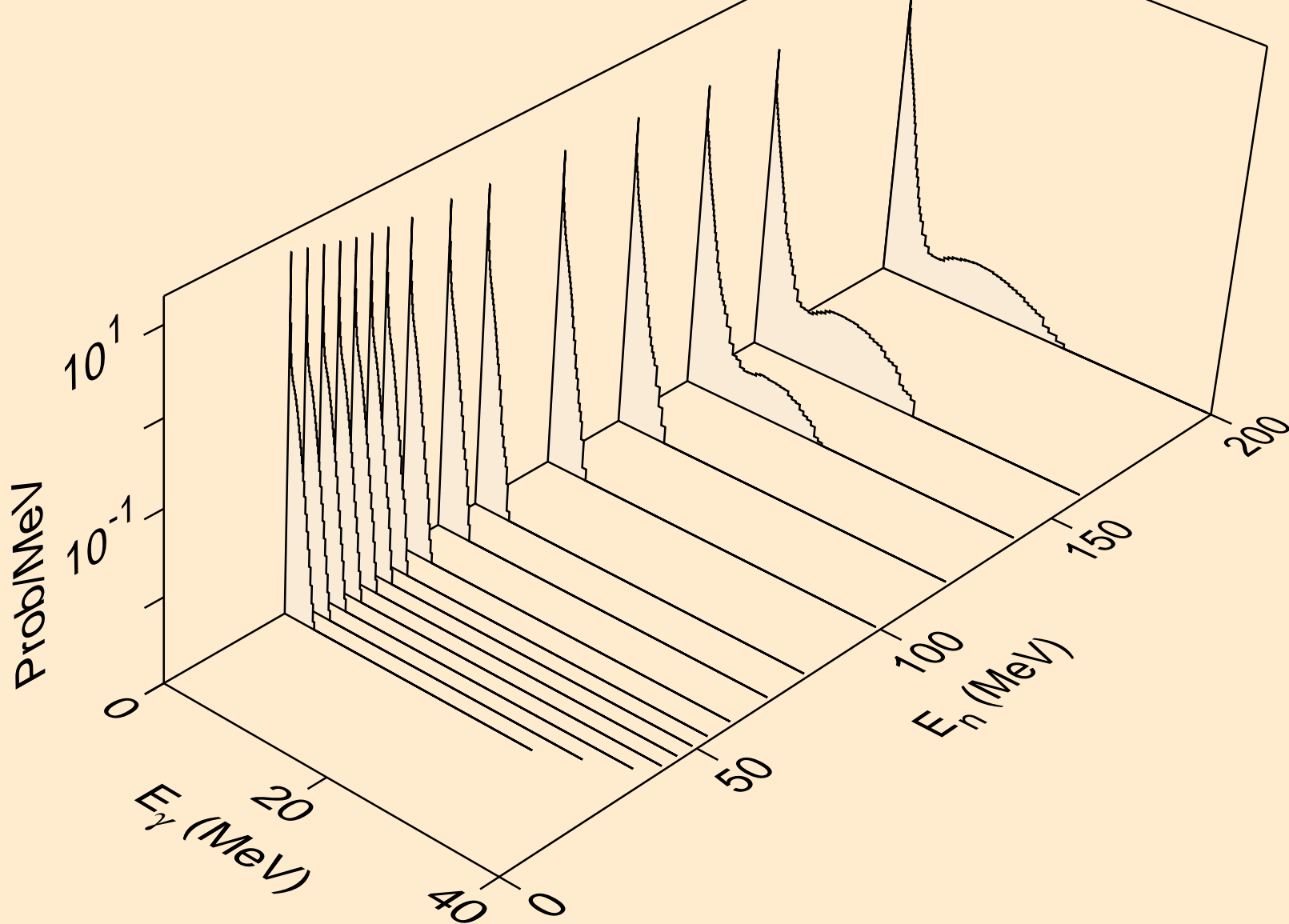


# AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

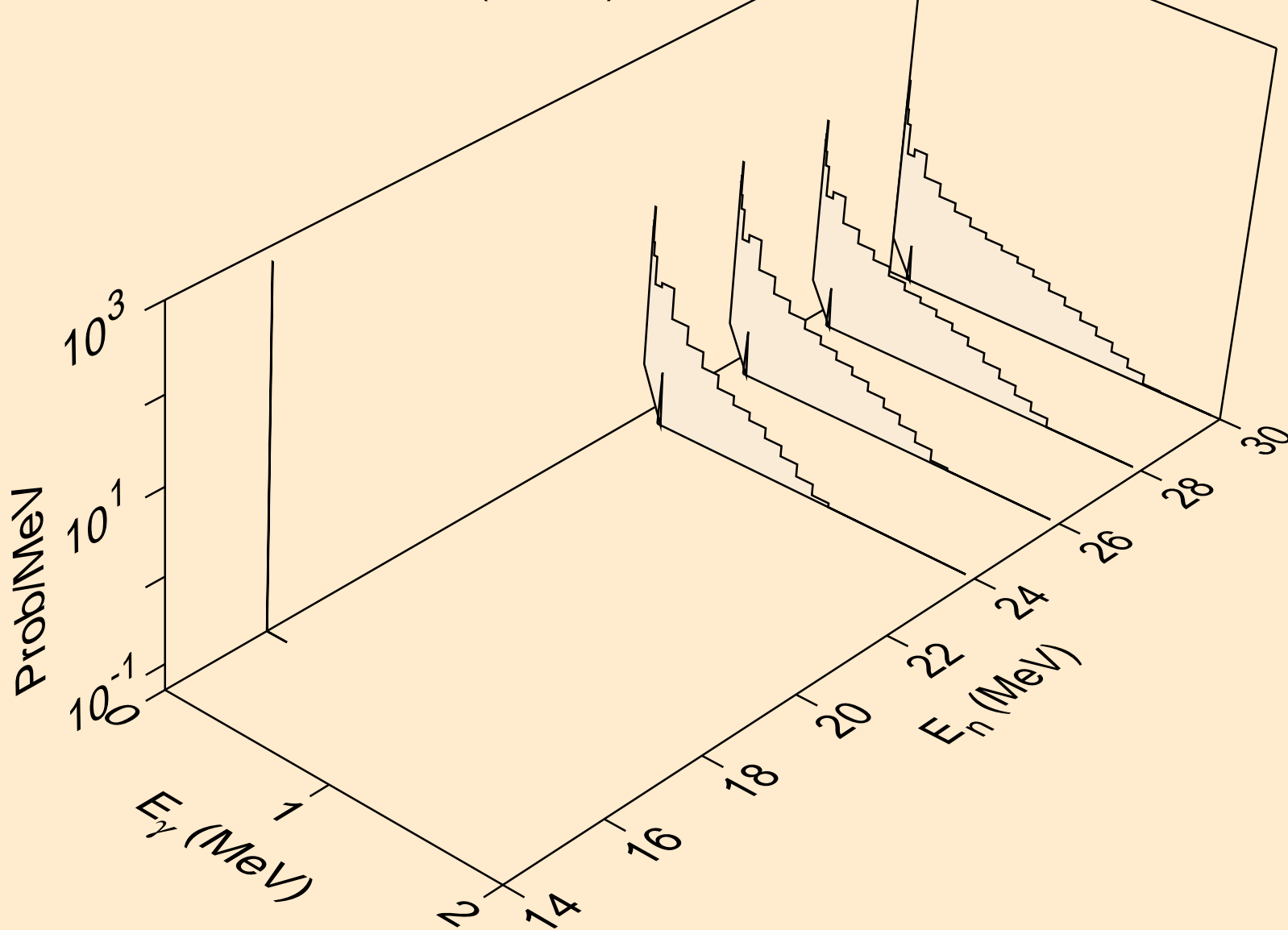
## Delayed neutron spectra



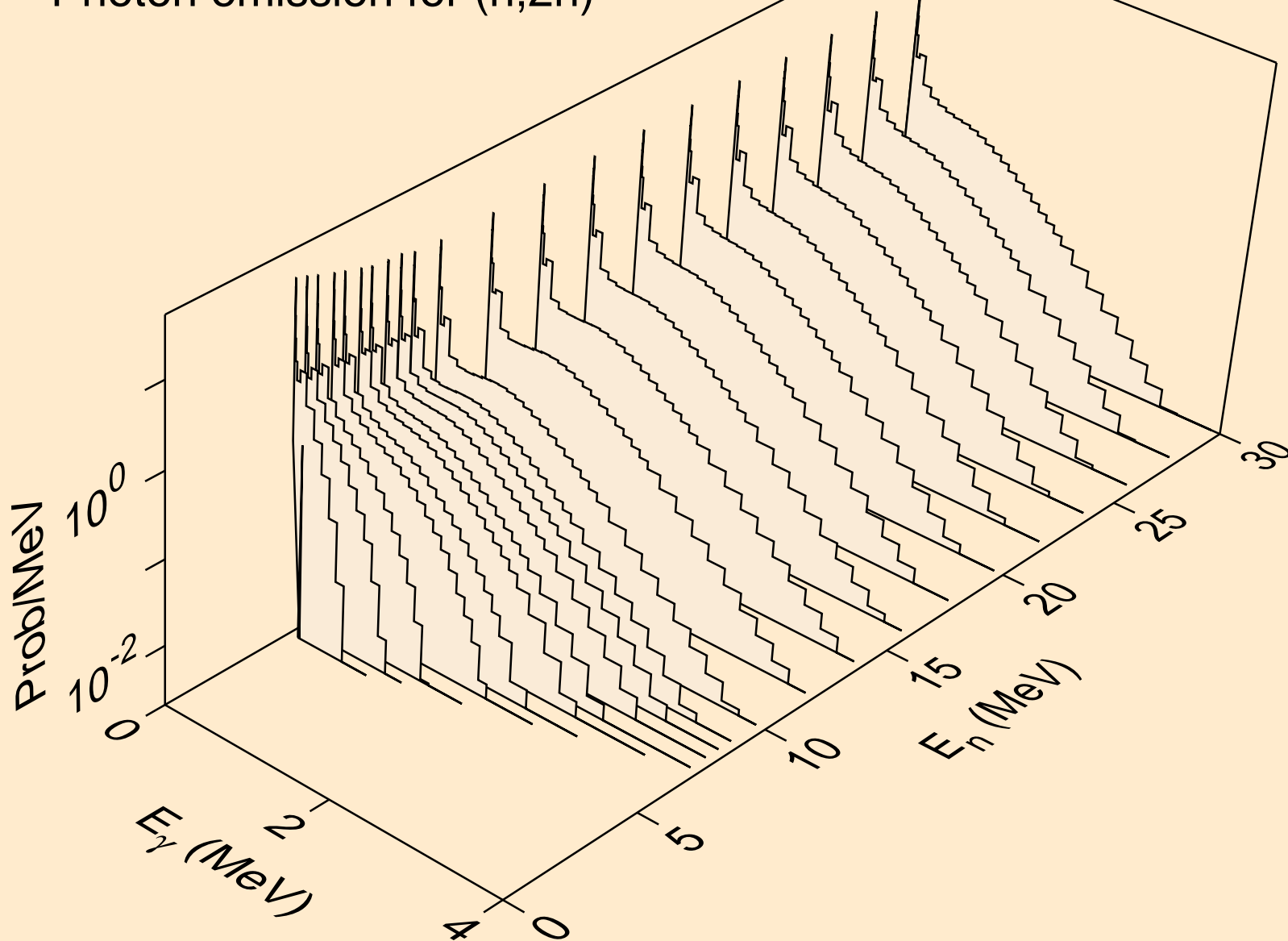
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

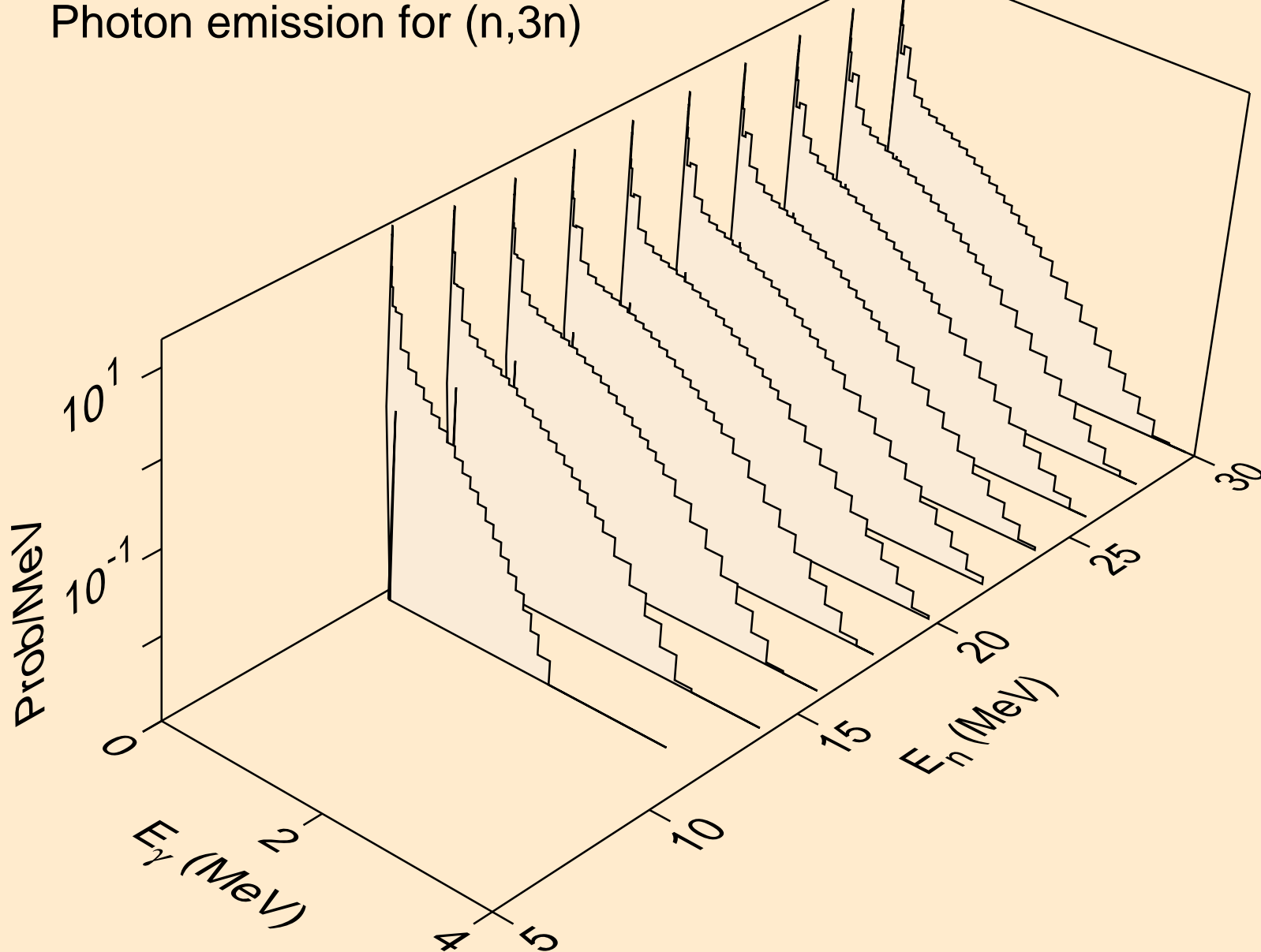


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

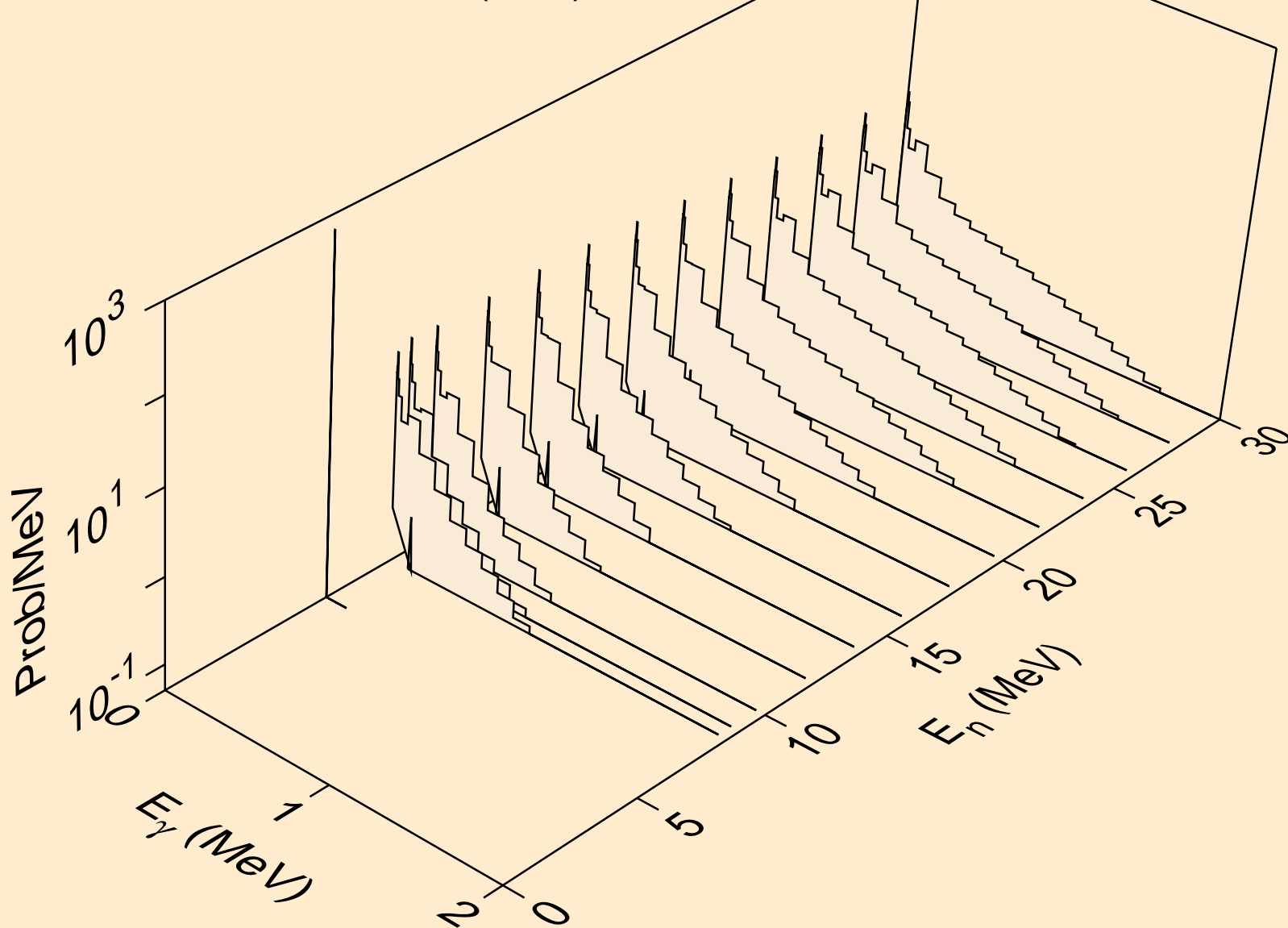




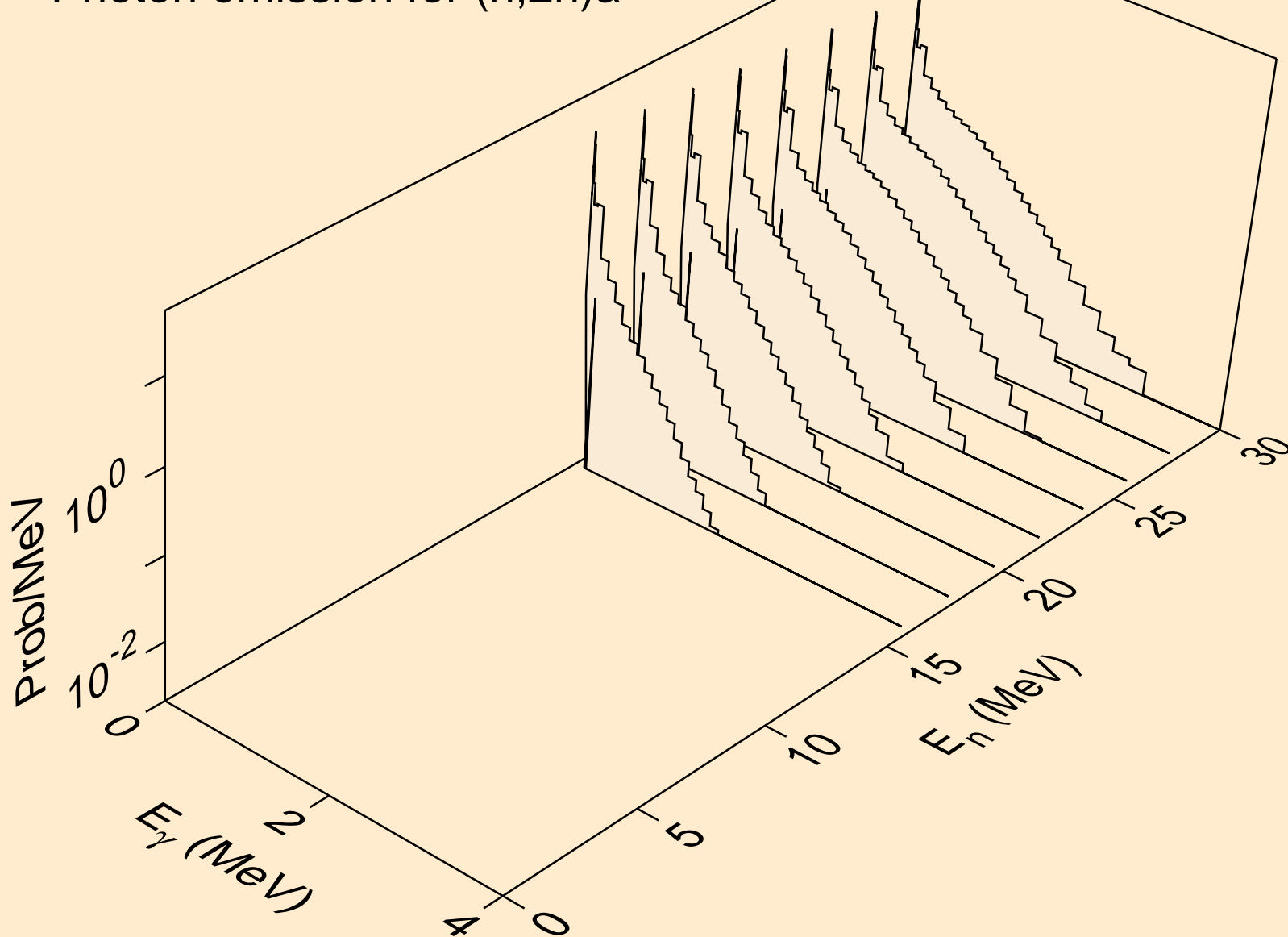
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



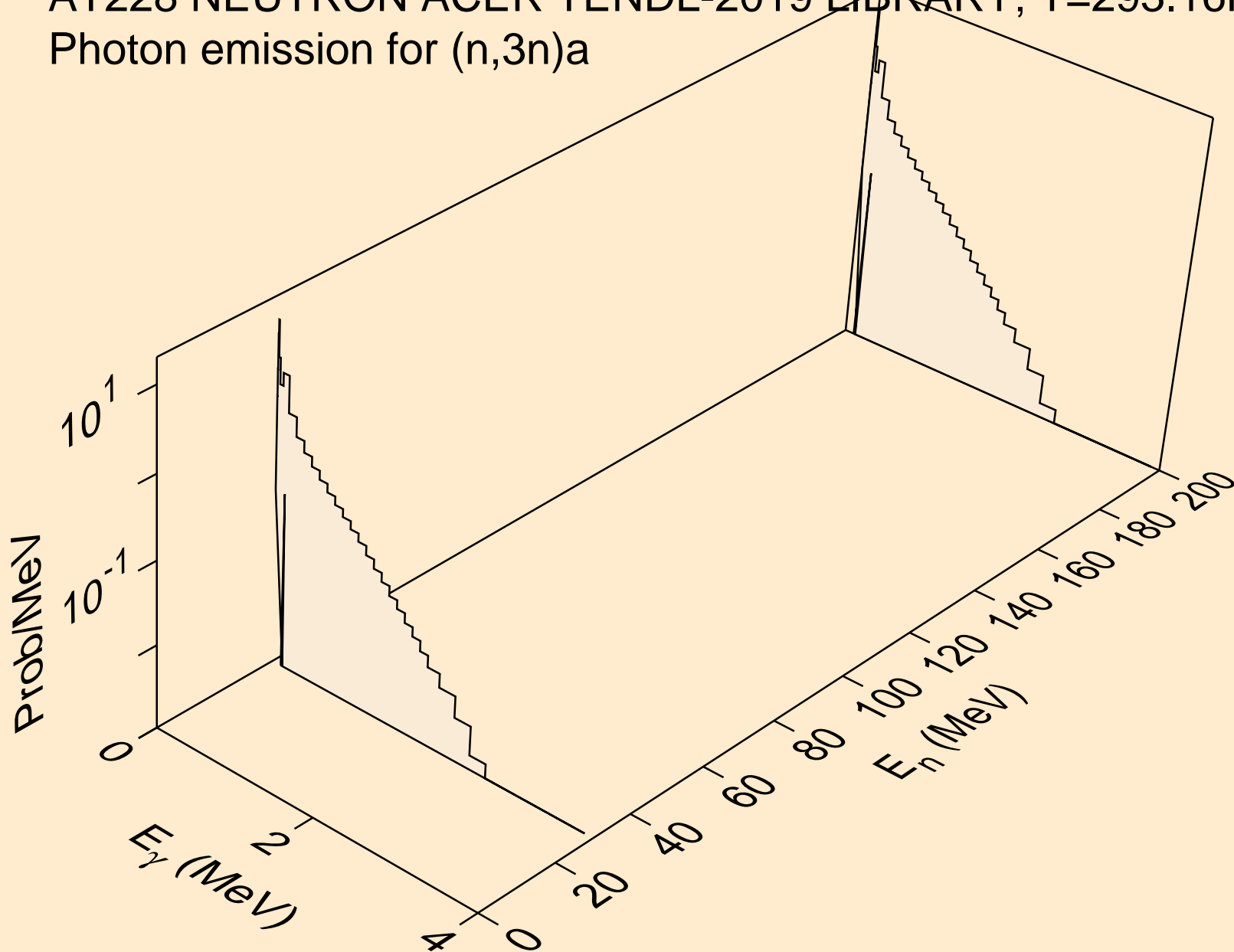
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



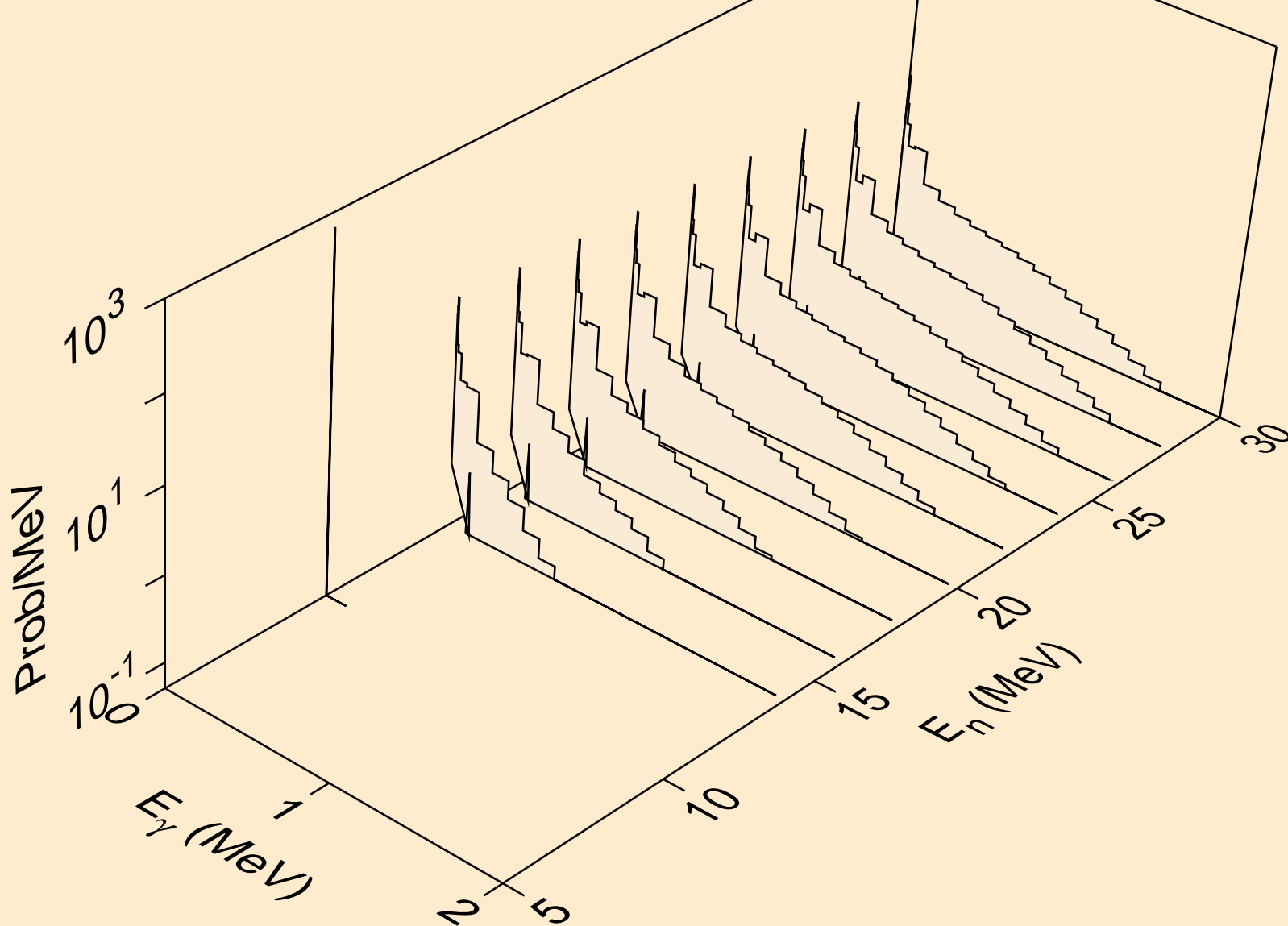
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Photon emission for (n,2n)a



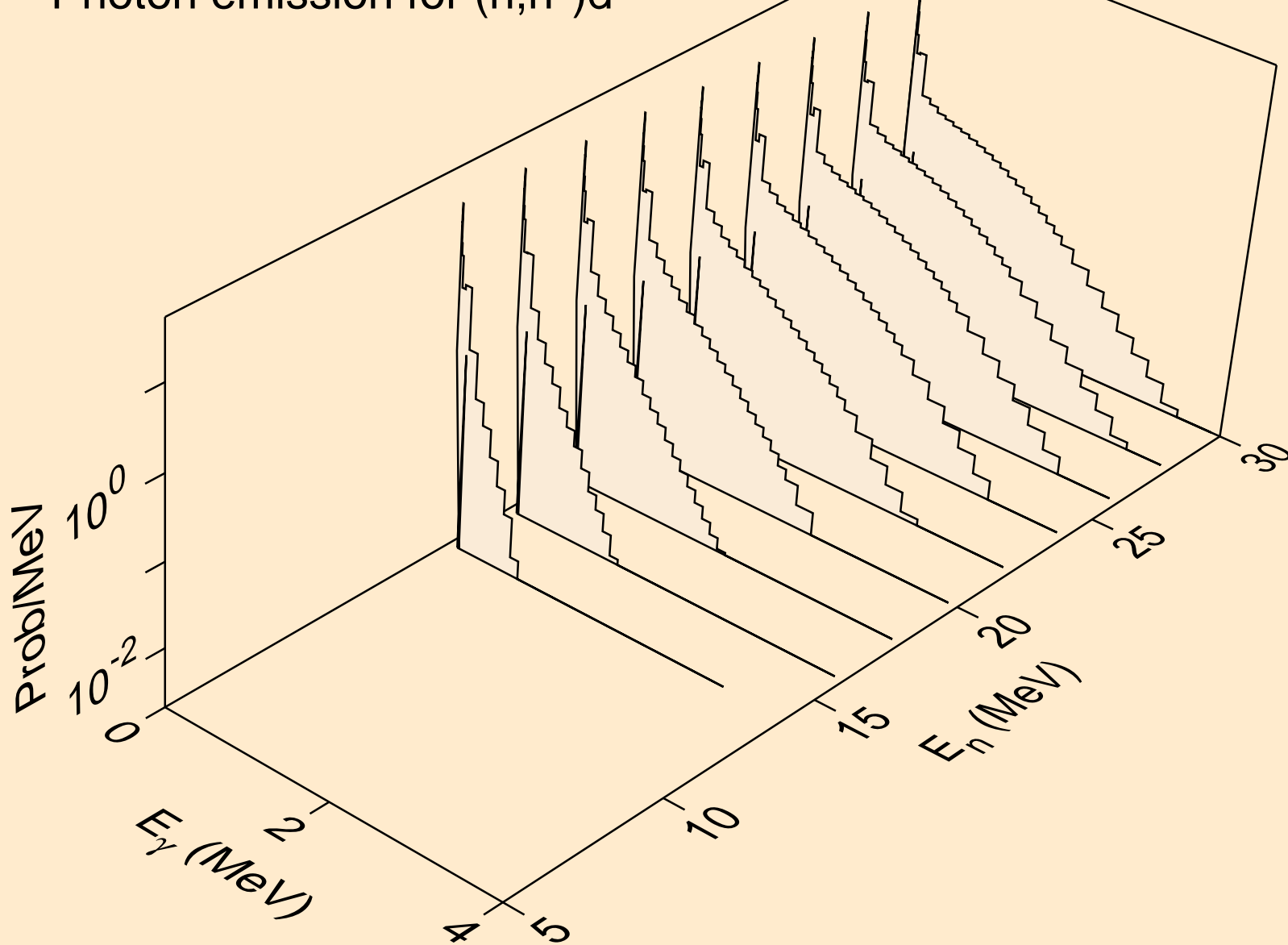
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Photon emission for (n,3n)a



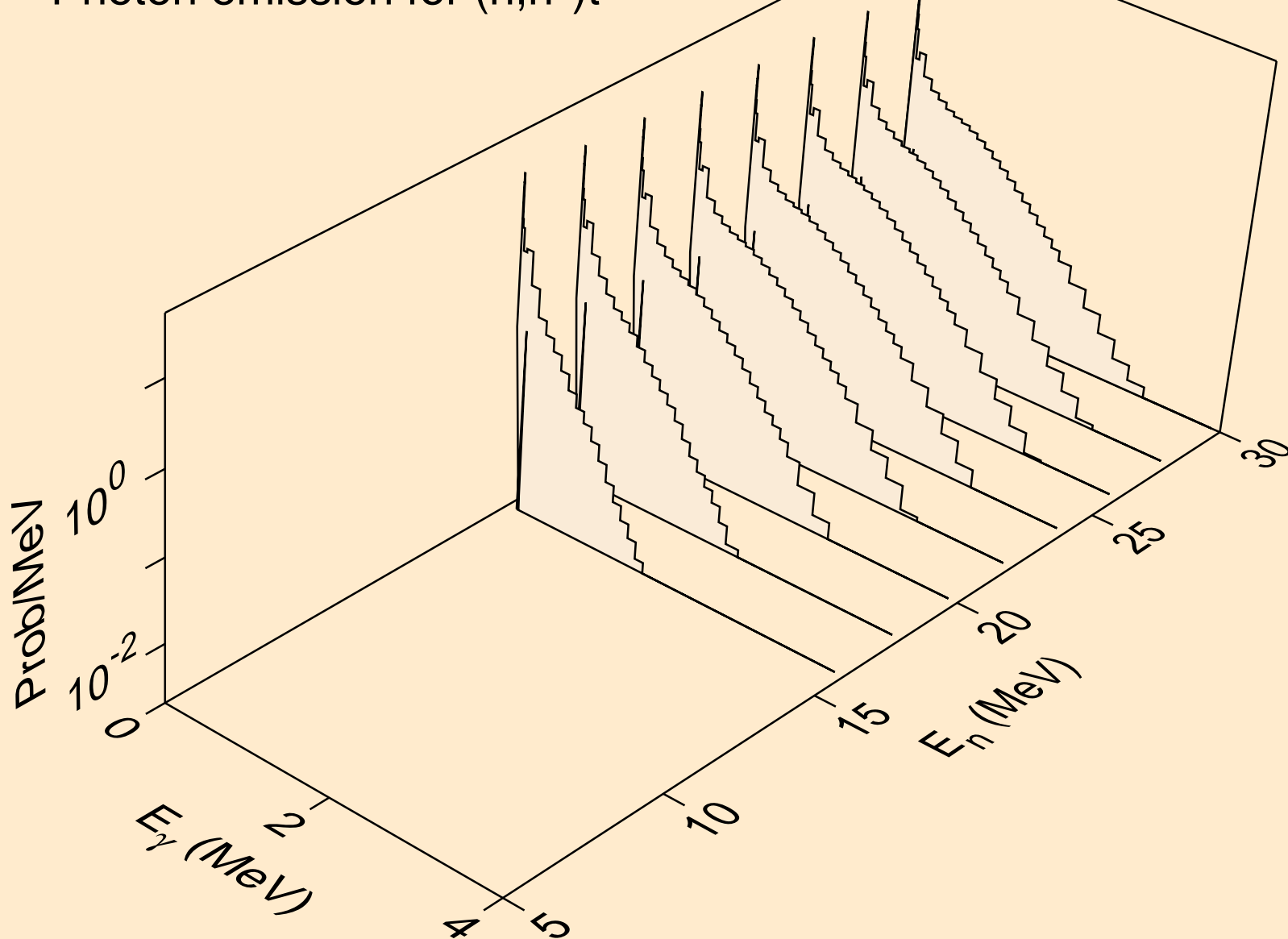
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



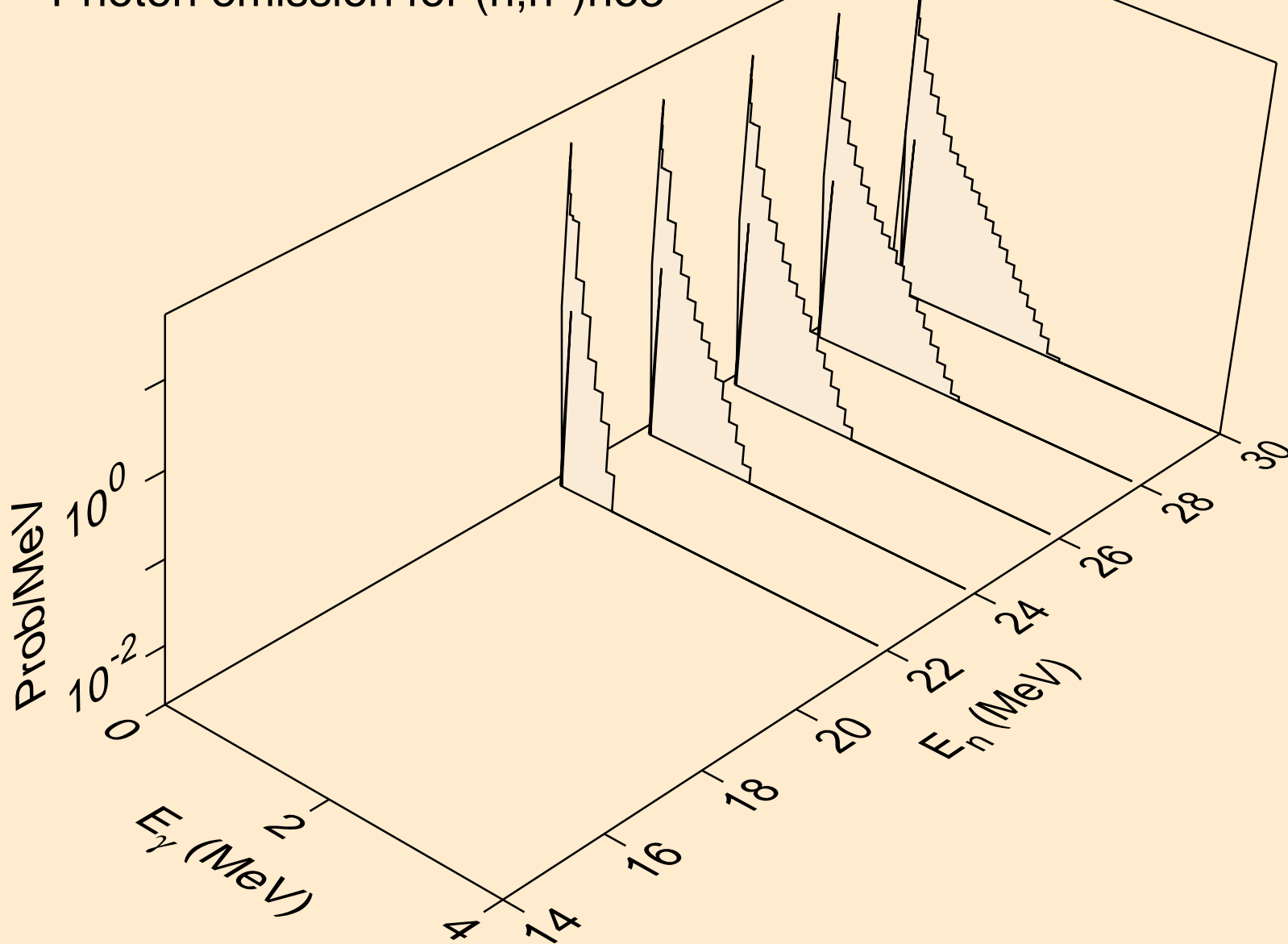
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

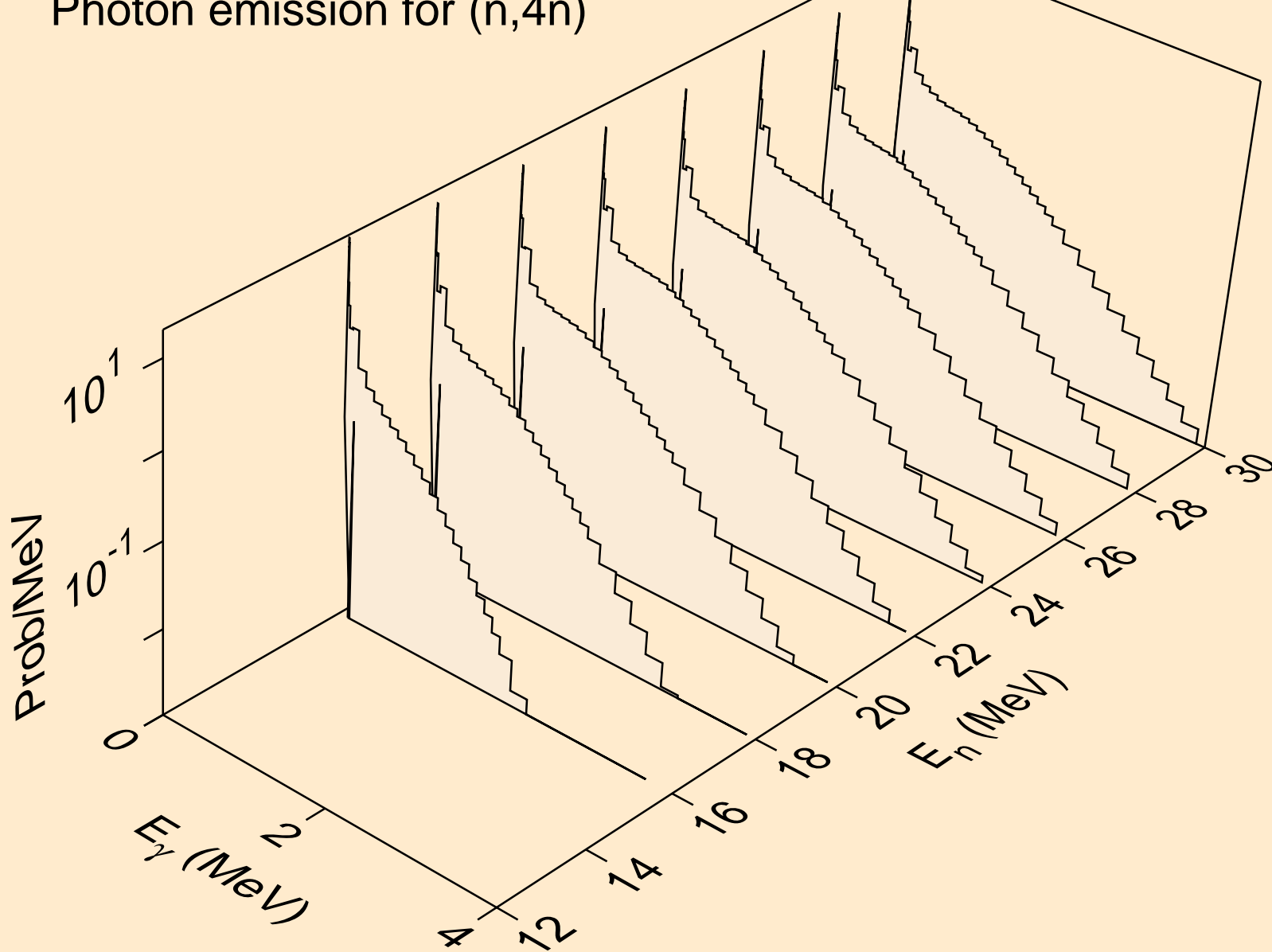


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

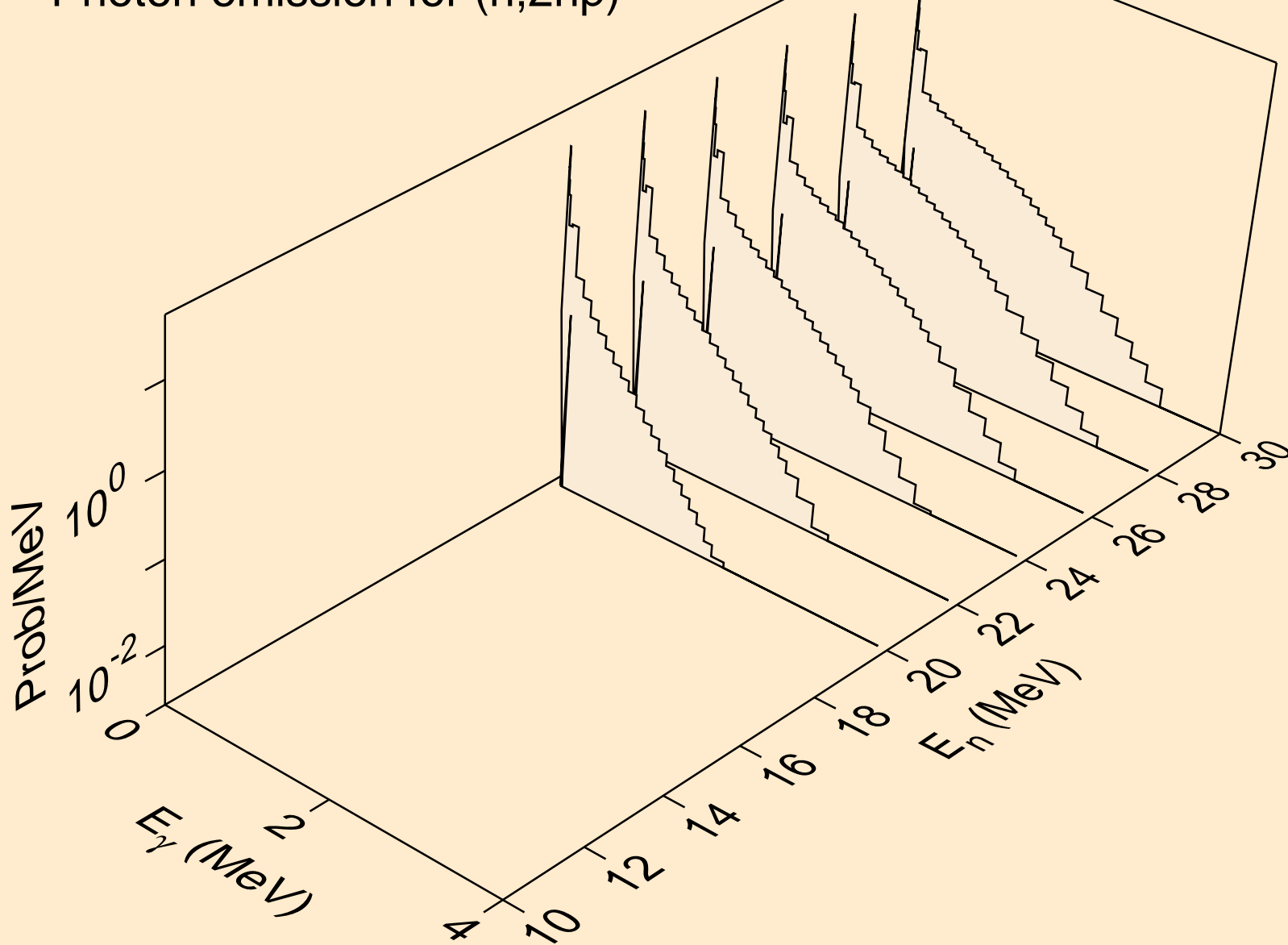




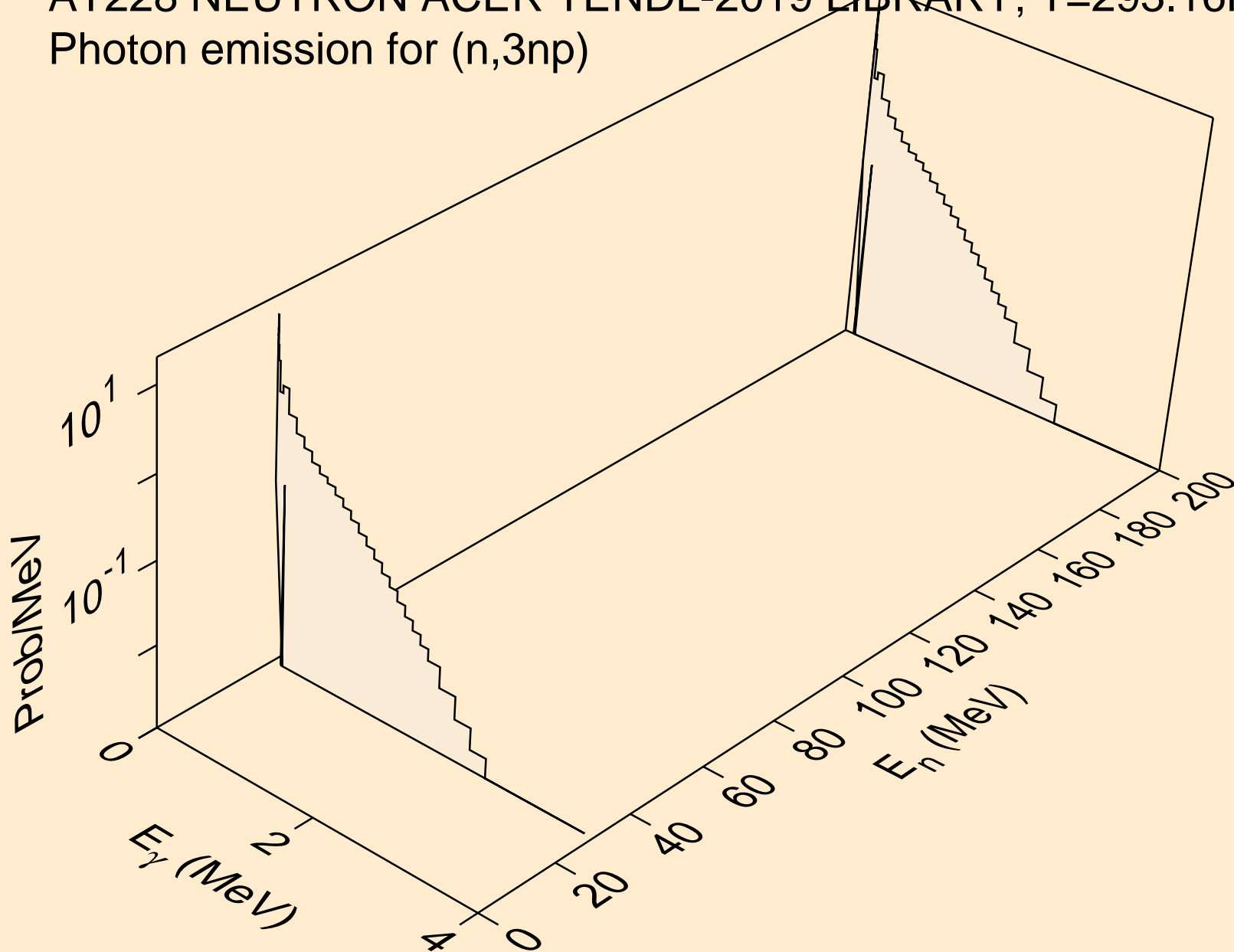
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



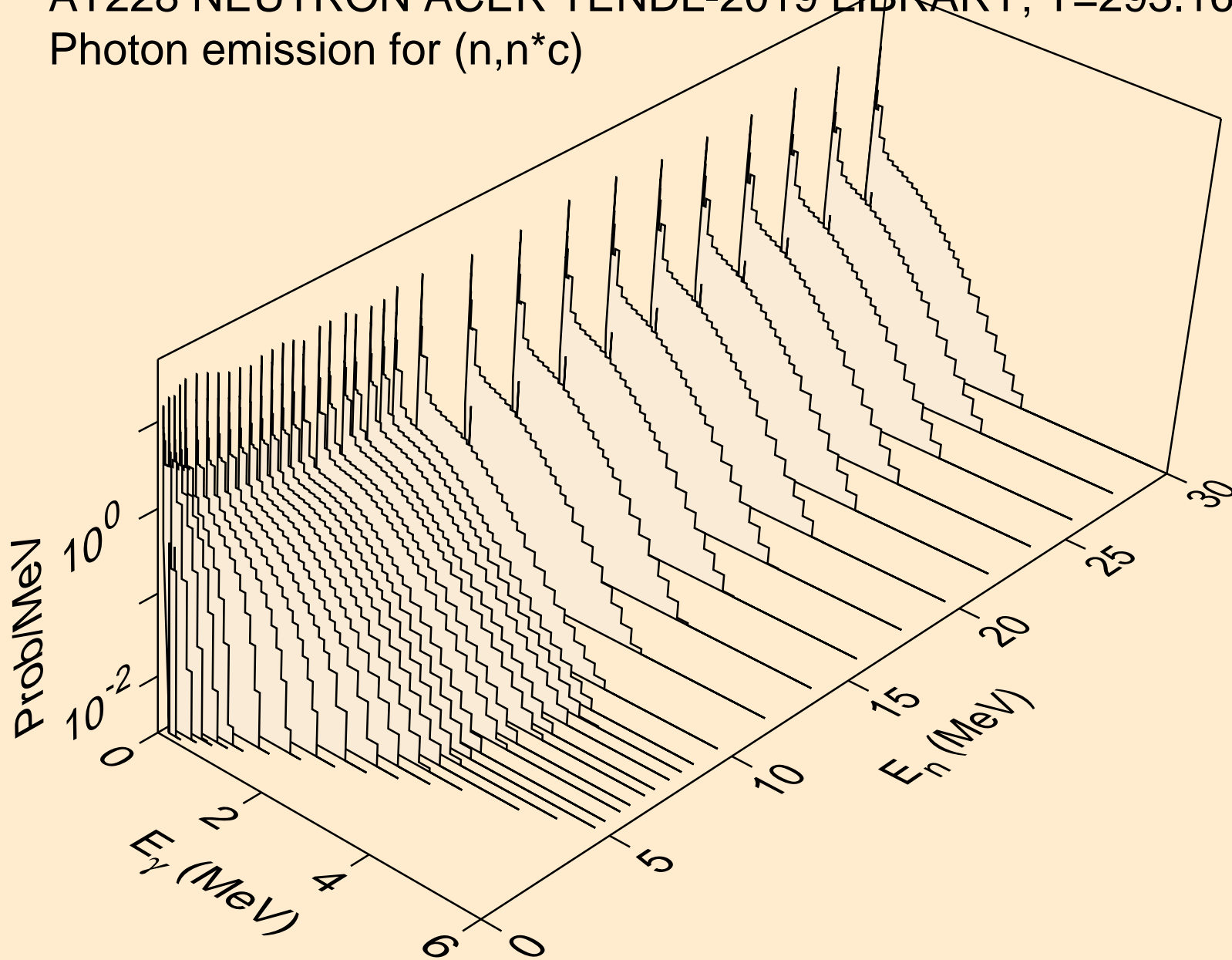
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



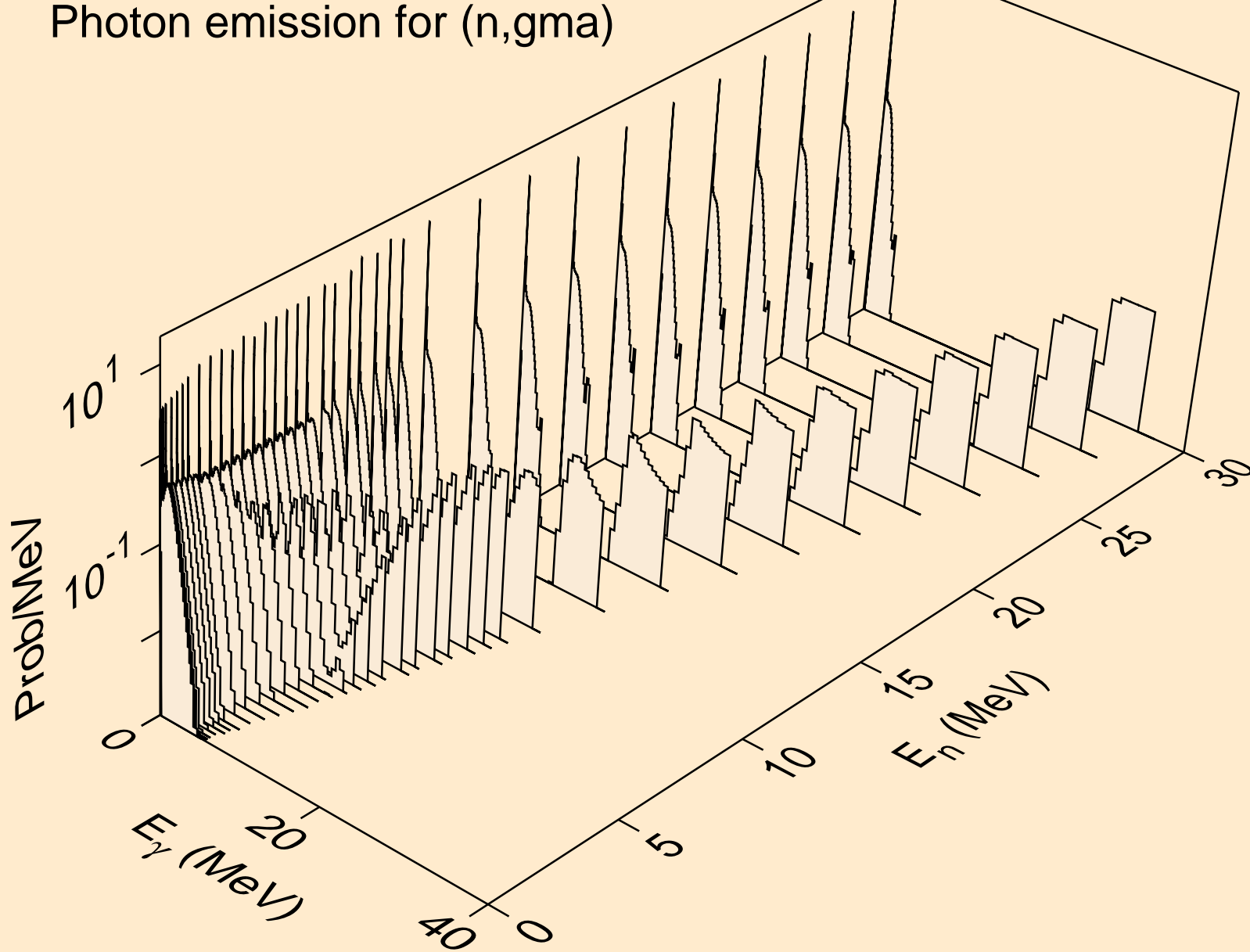
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



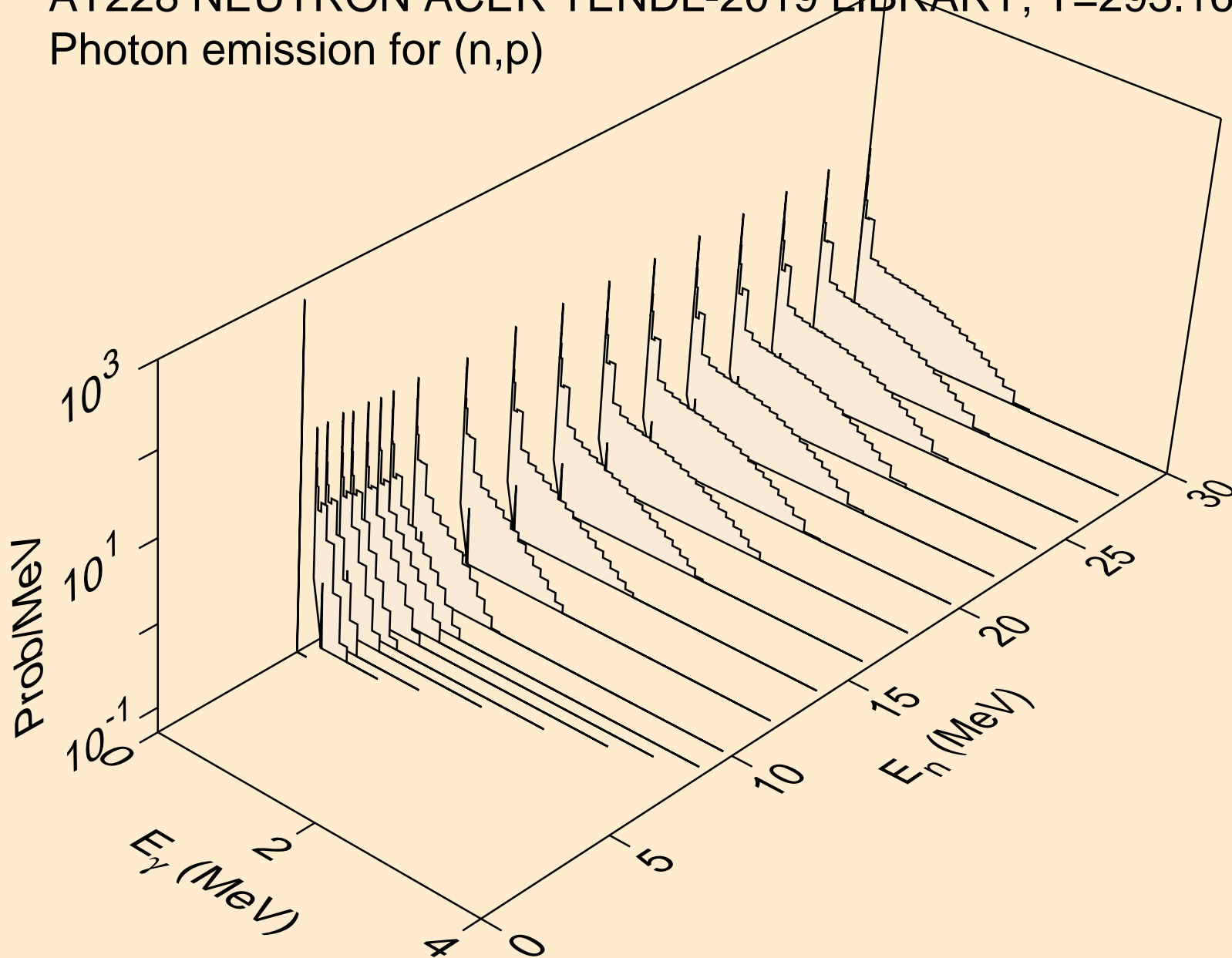
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



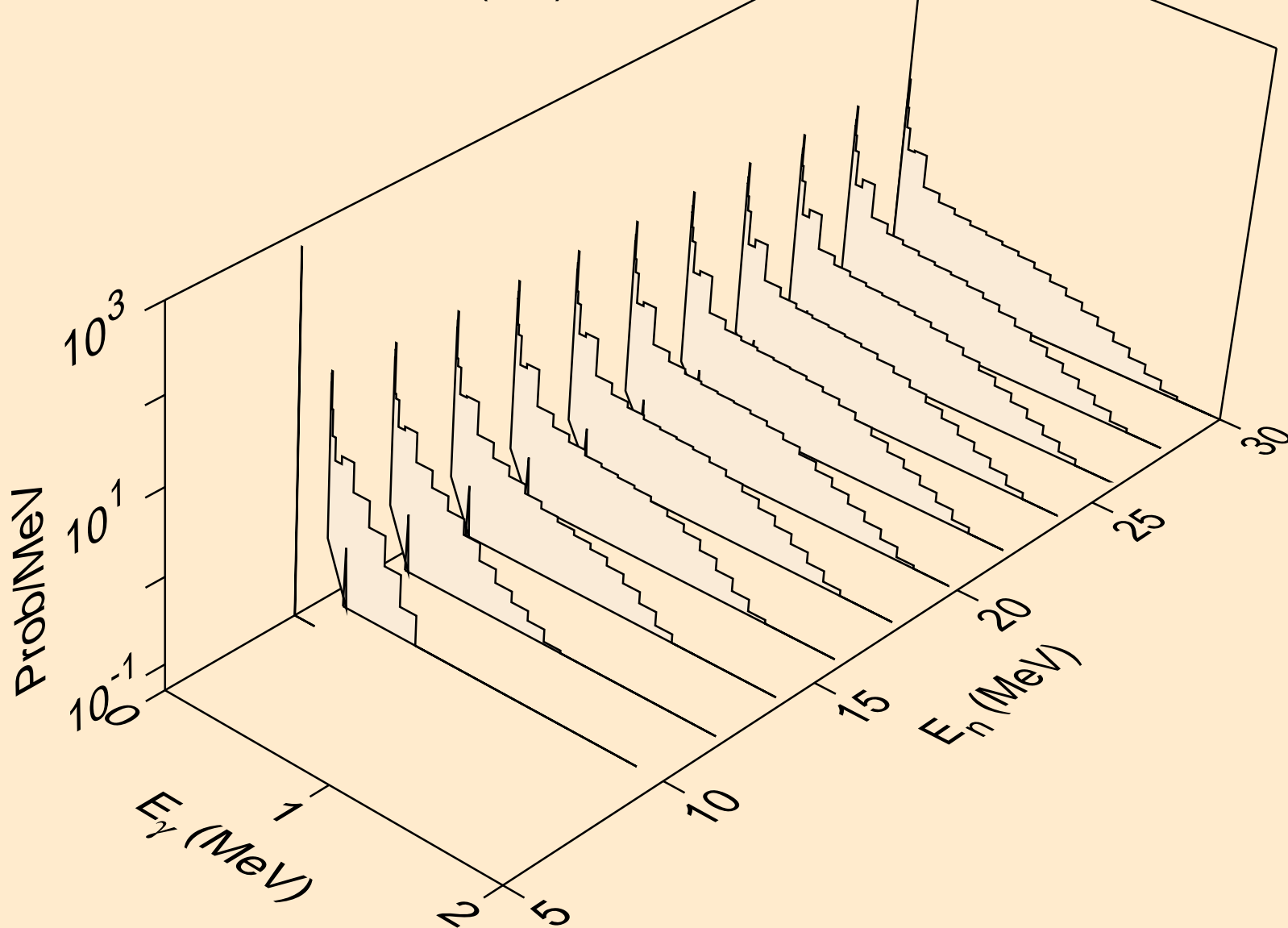
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



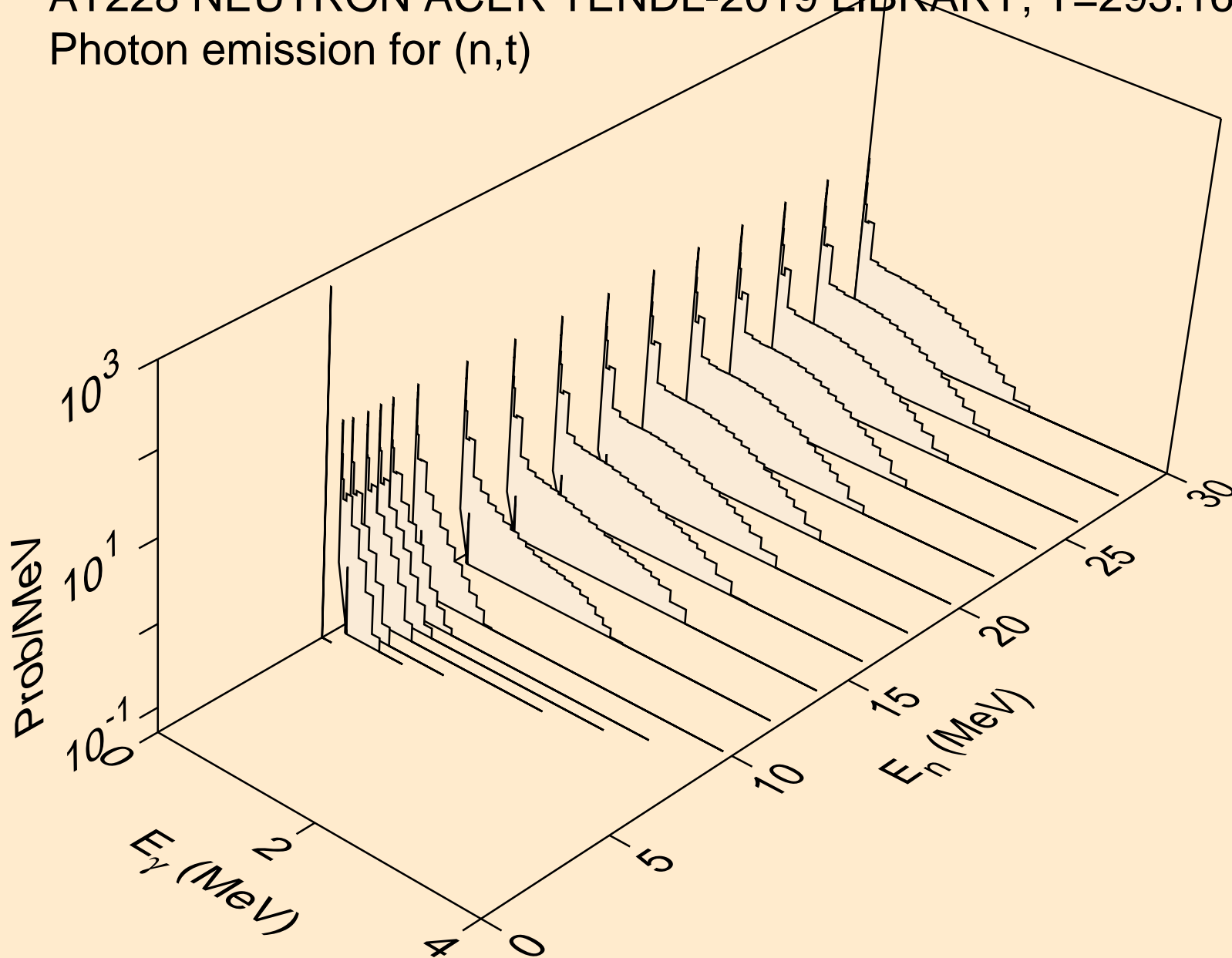
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

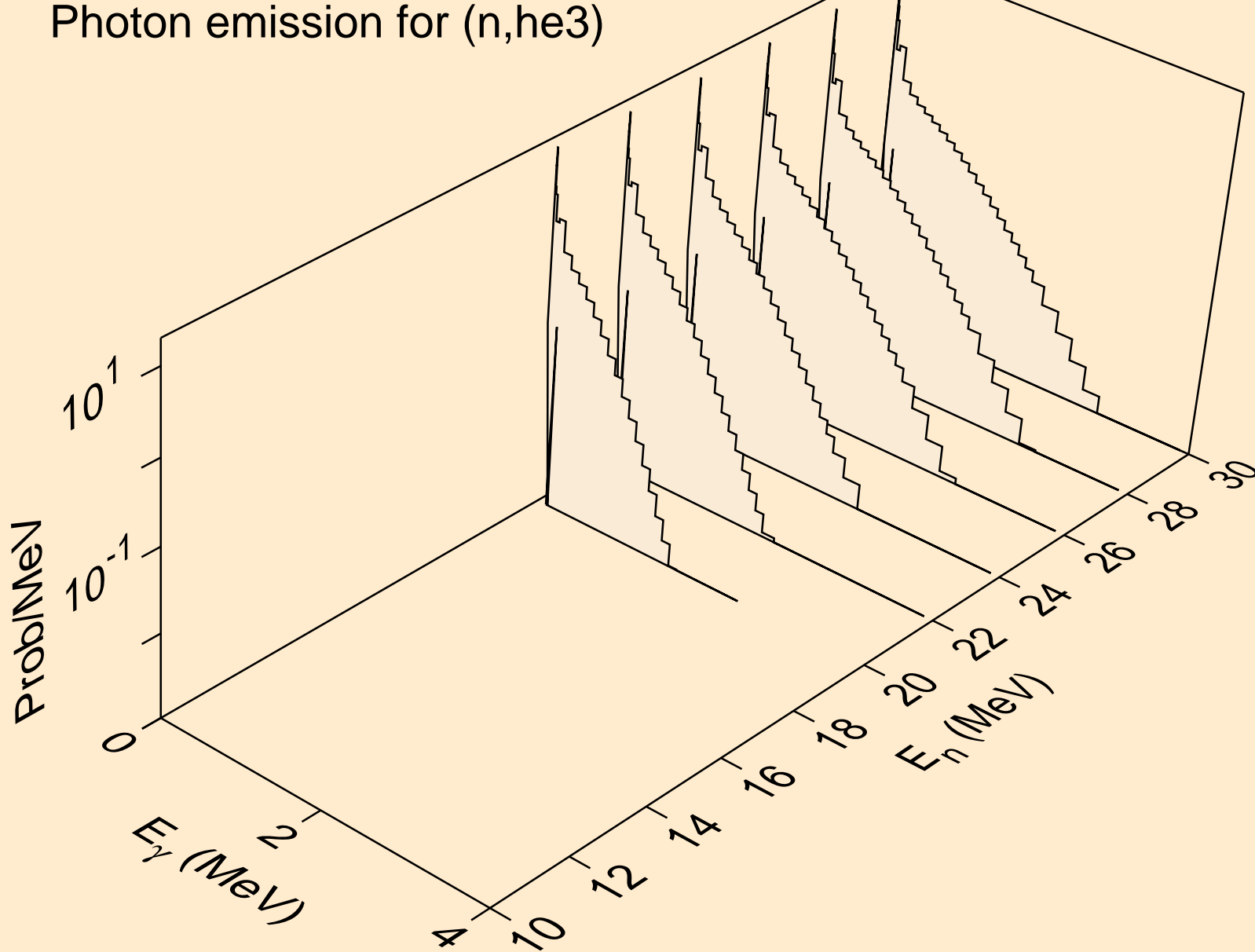


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)

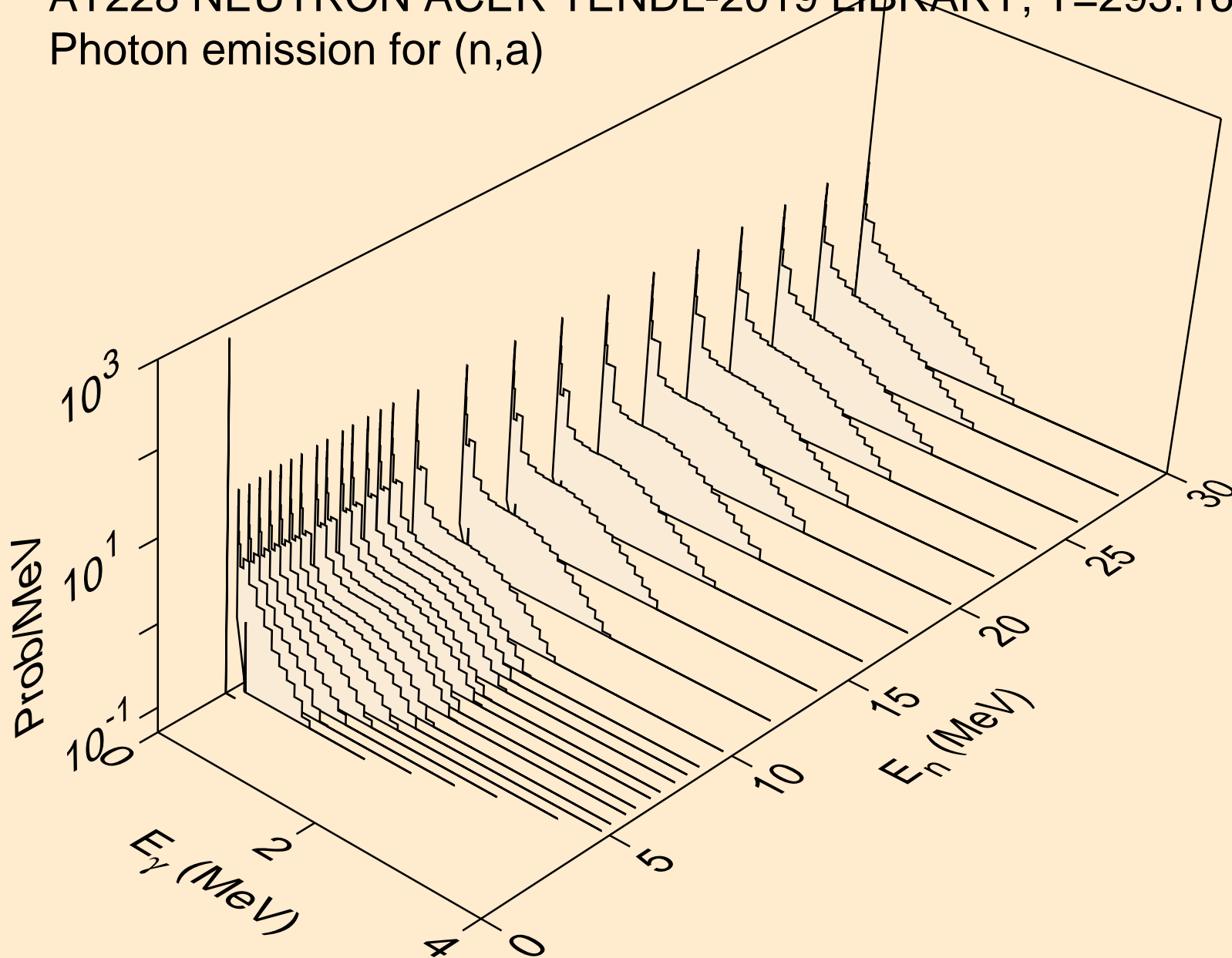




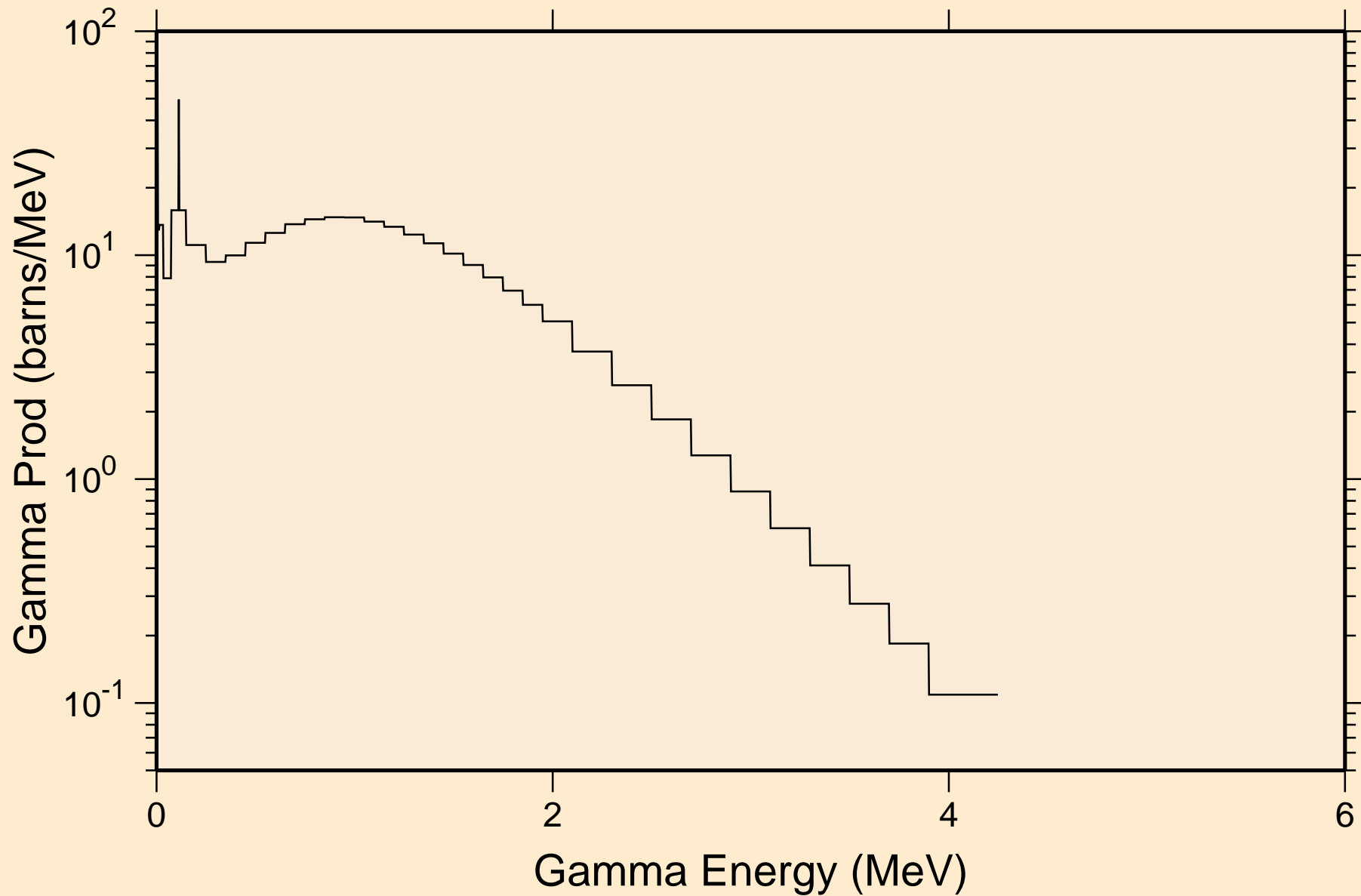
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Photon emission for (n,he3)



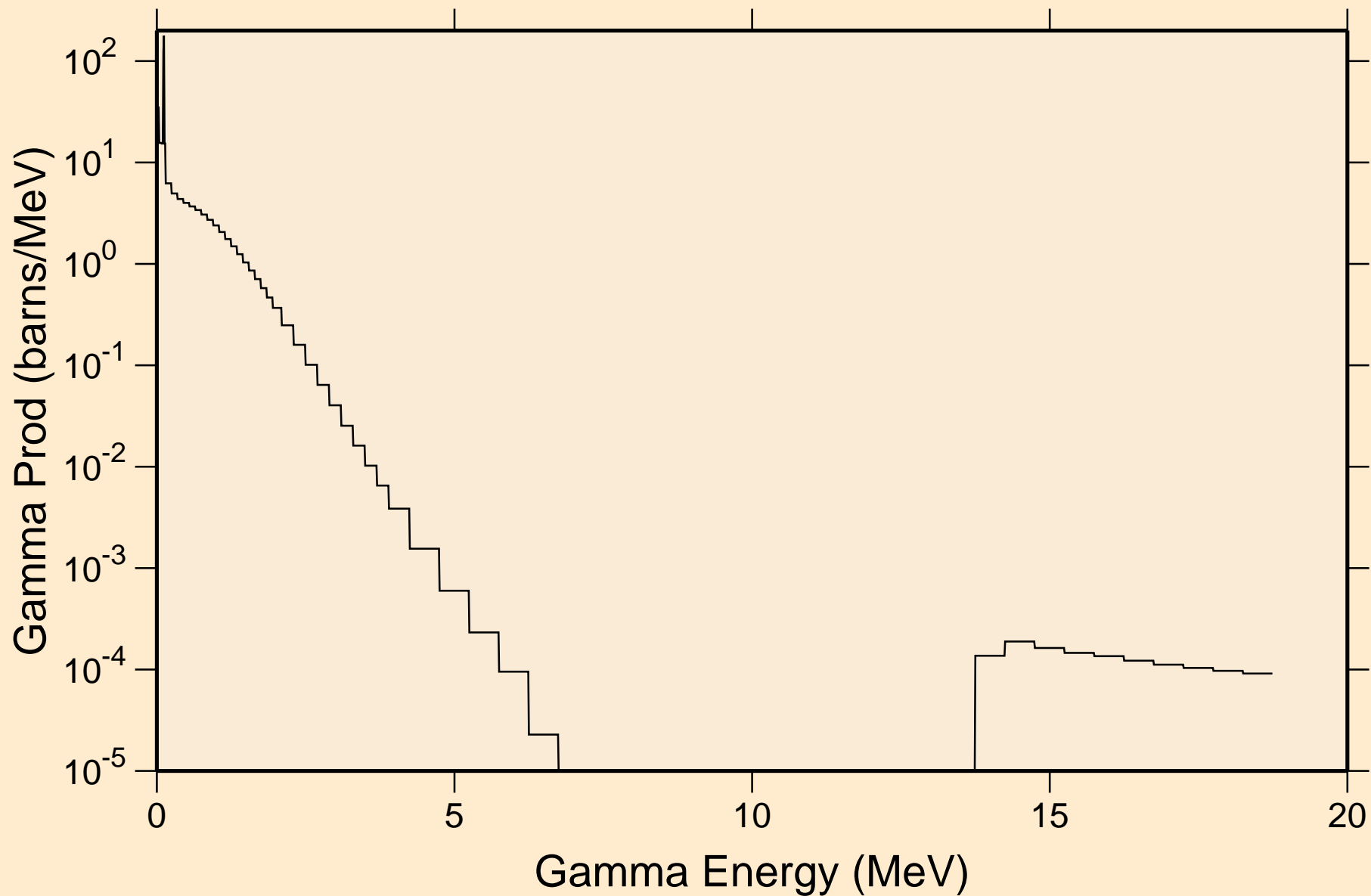
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

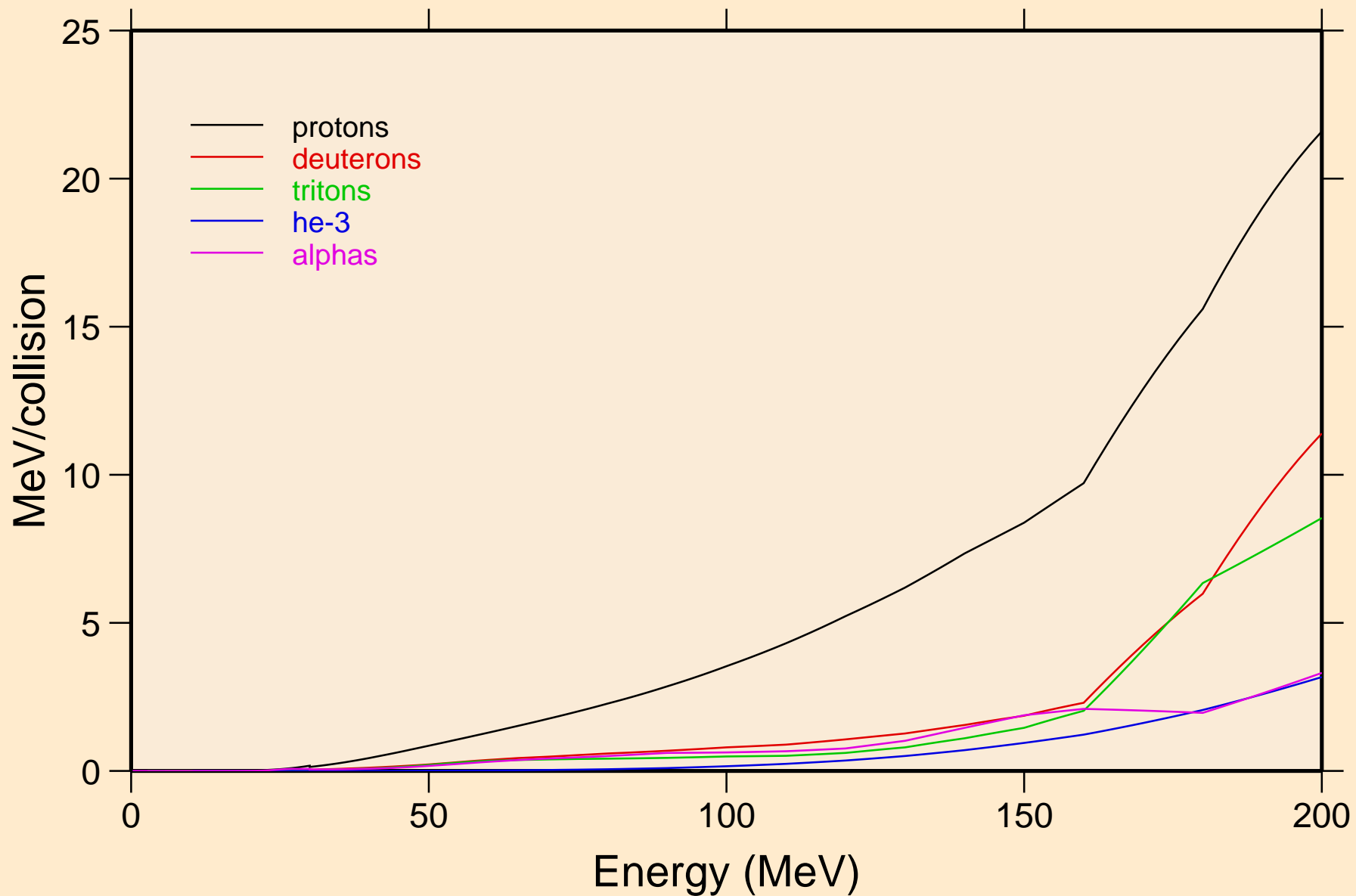


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

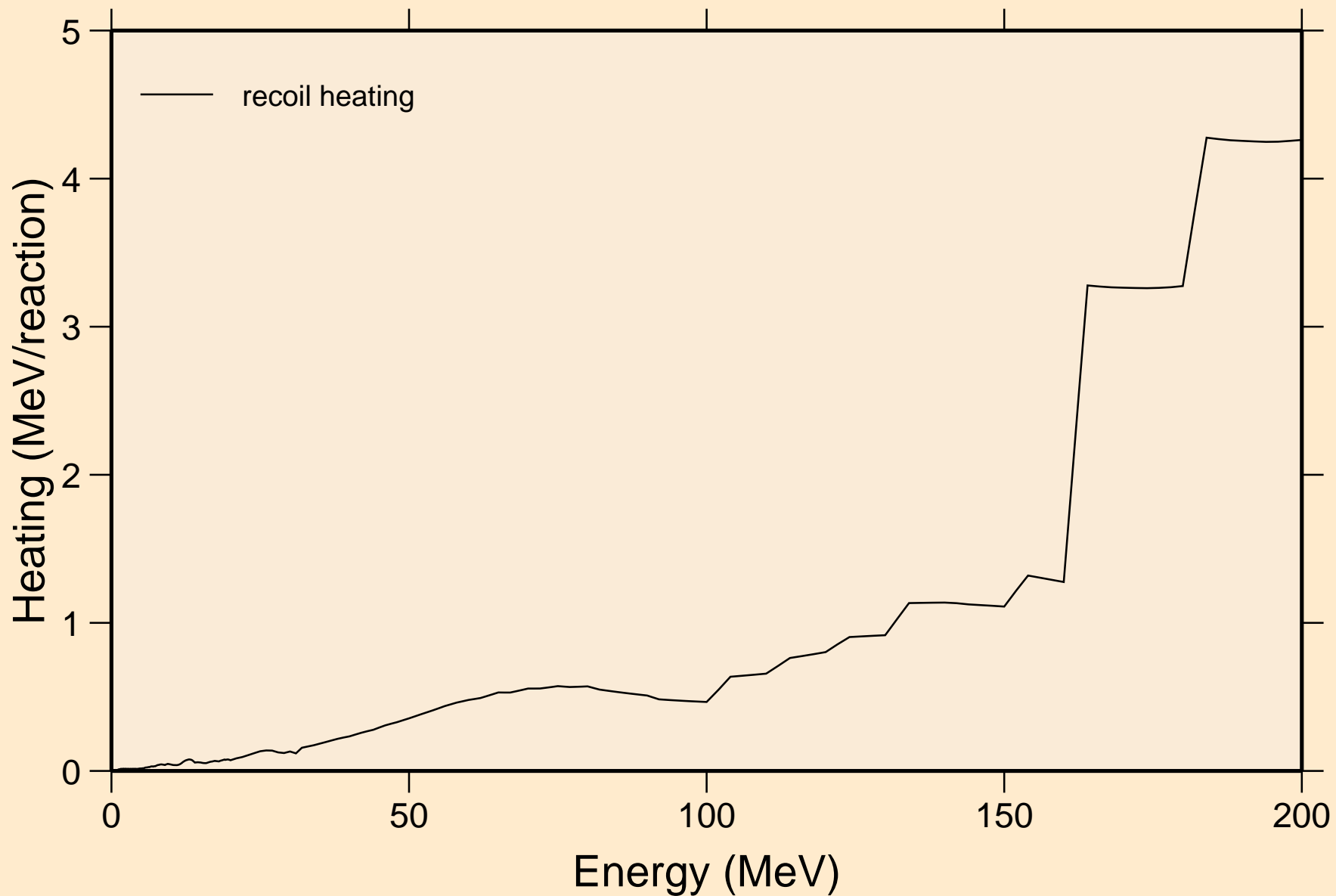


# AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

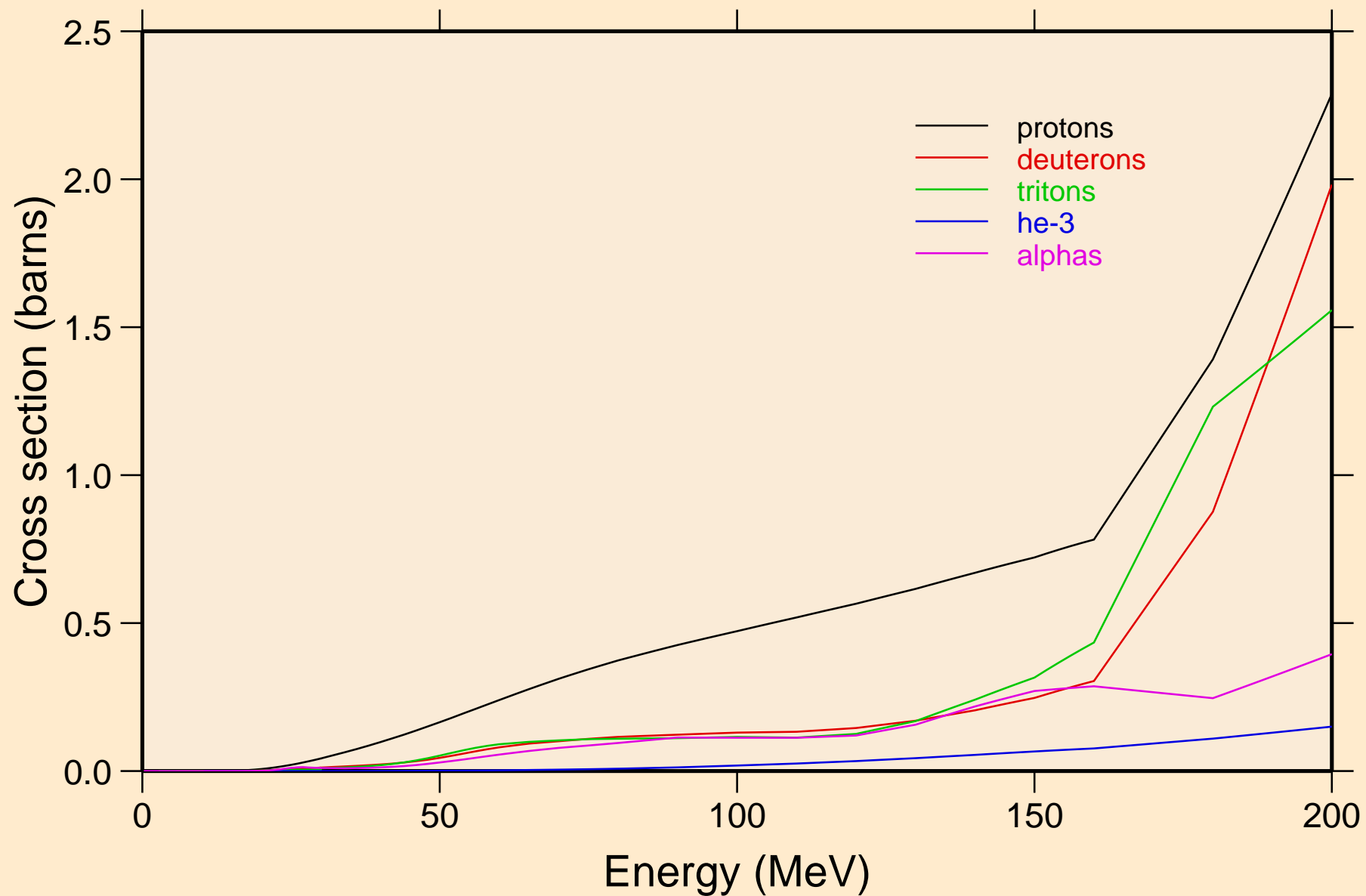
## Particle heating contributions



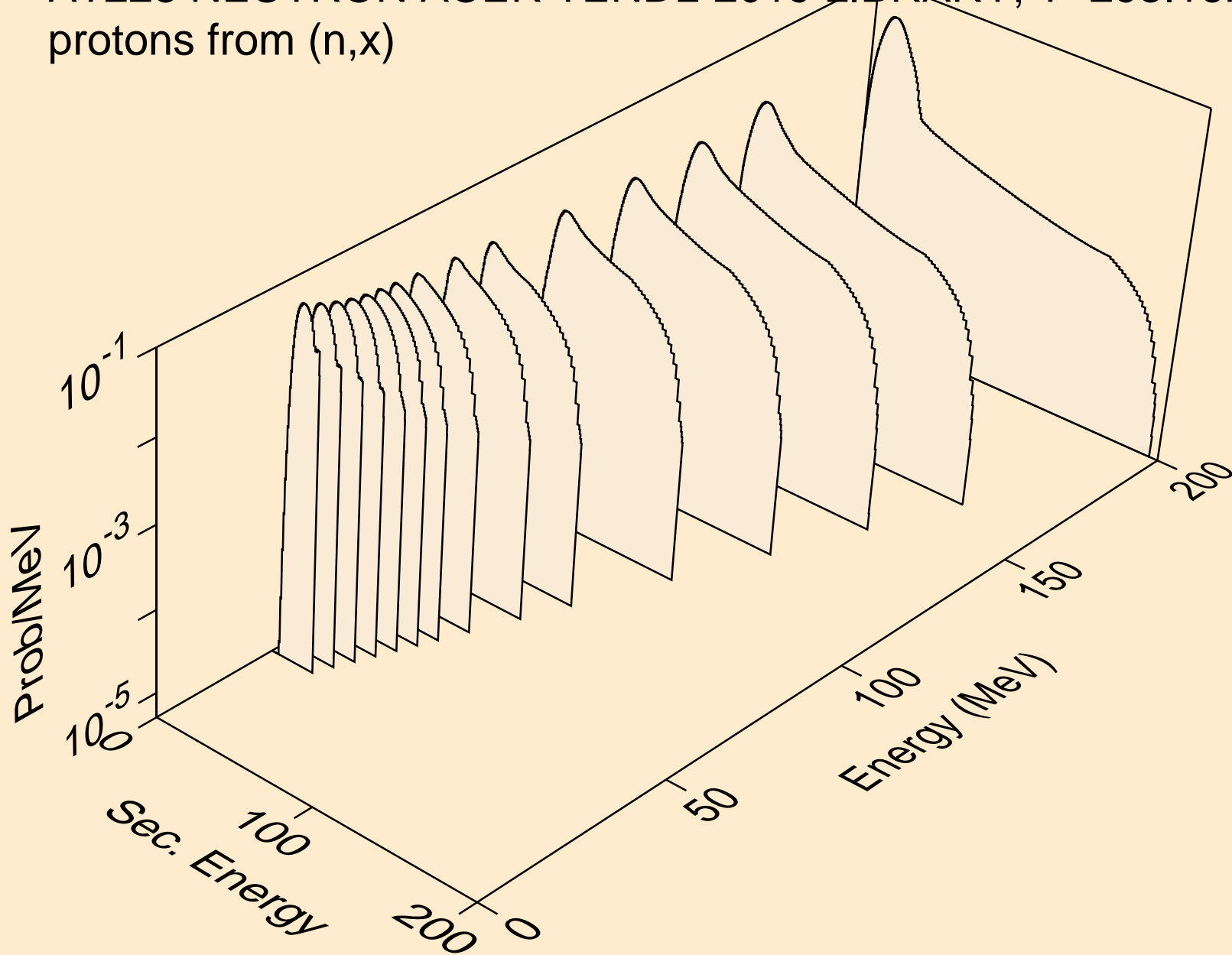
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

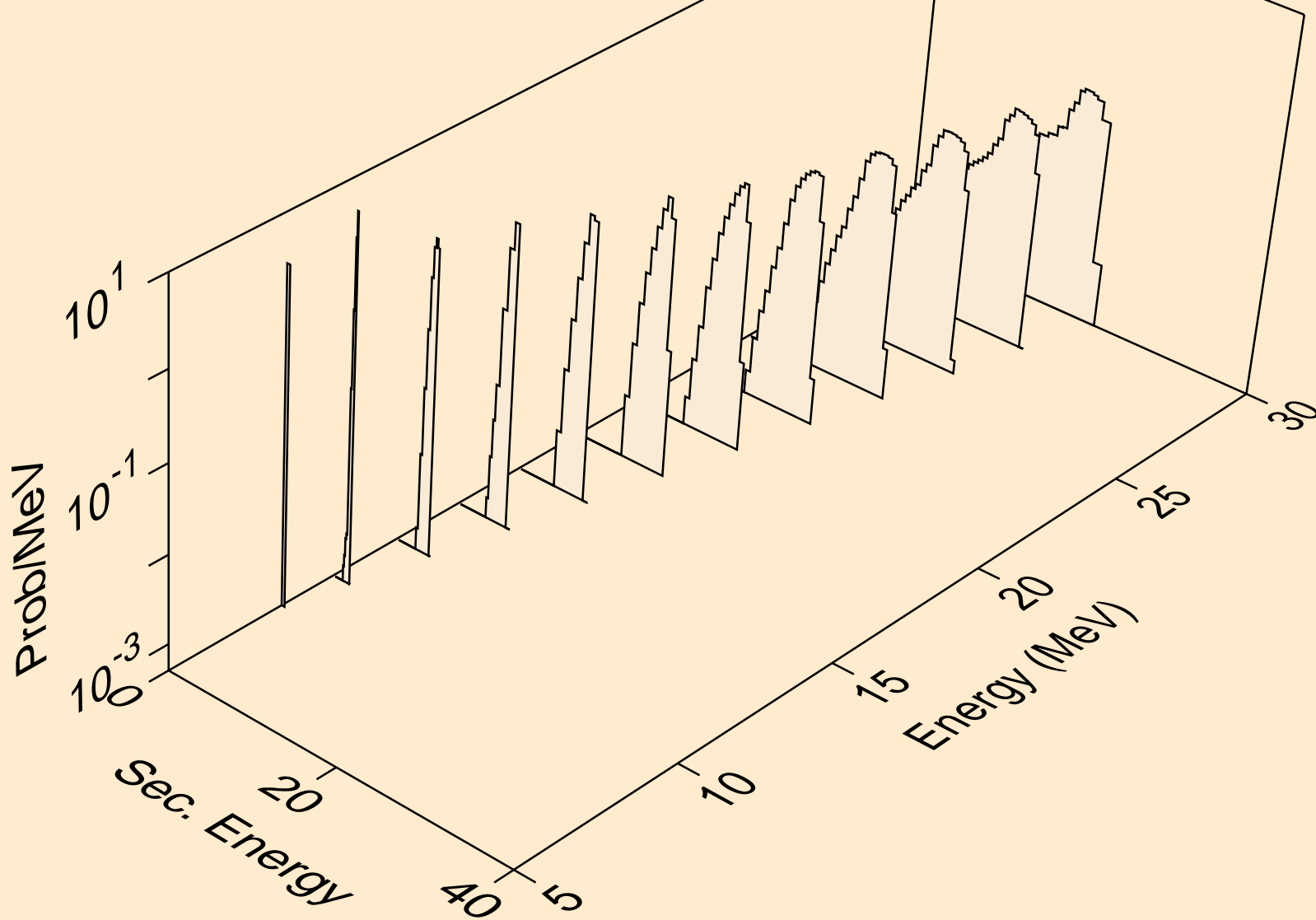


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

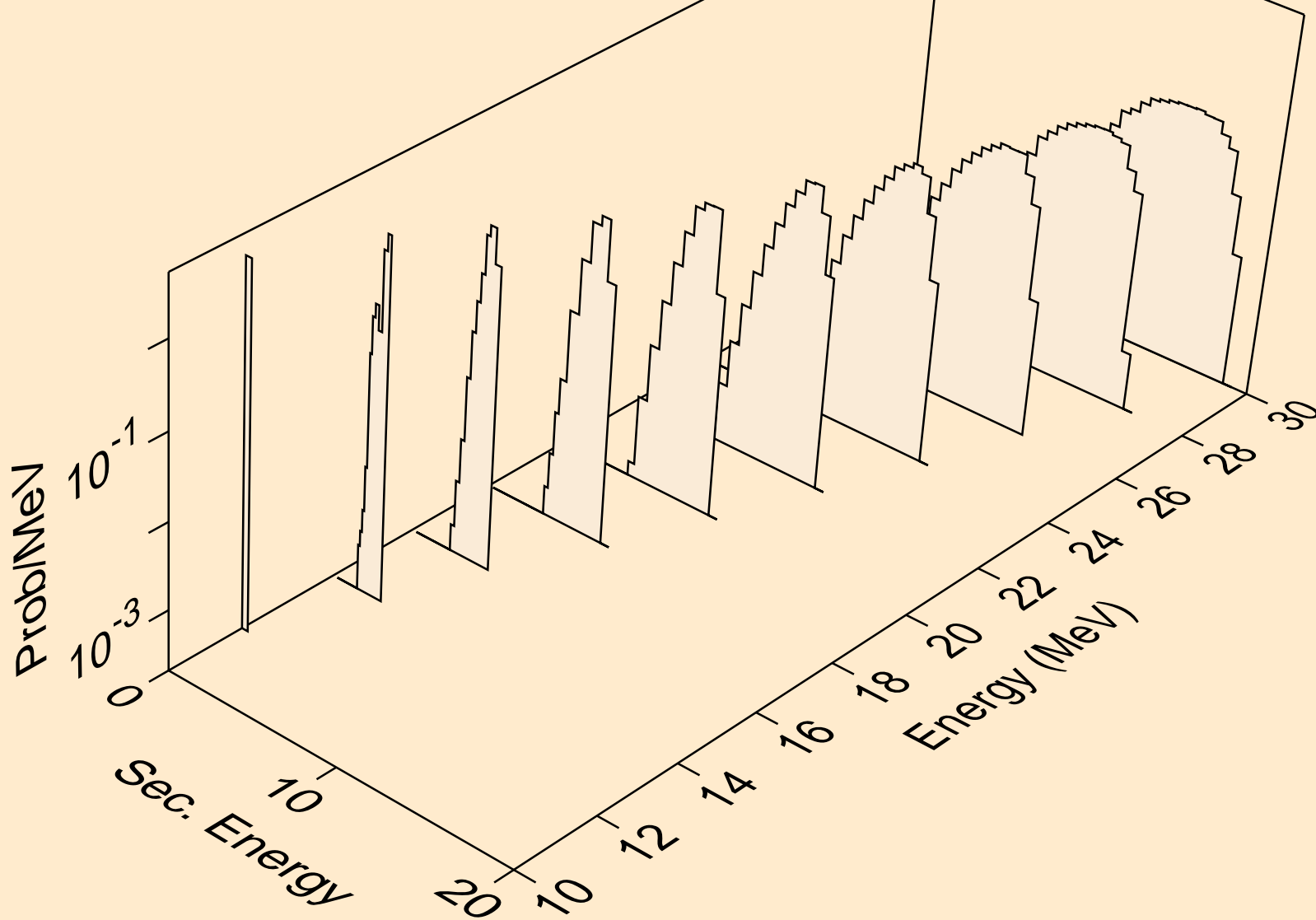




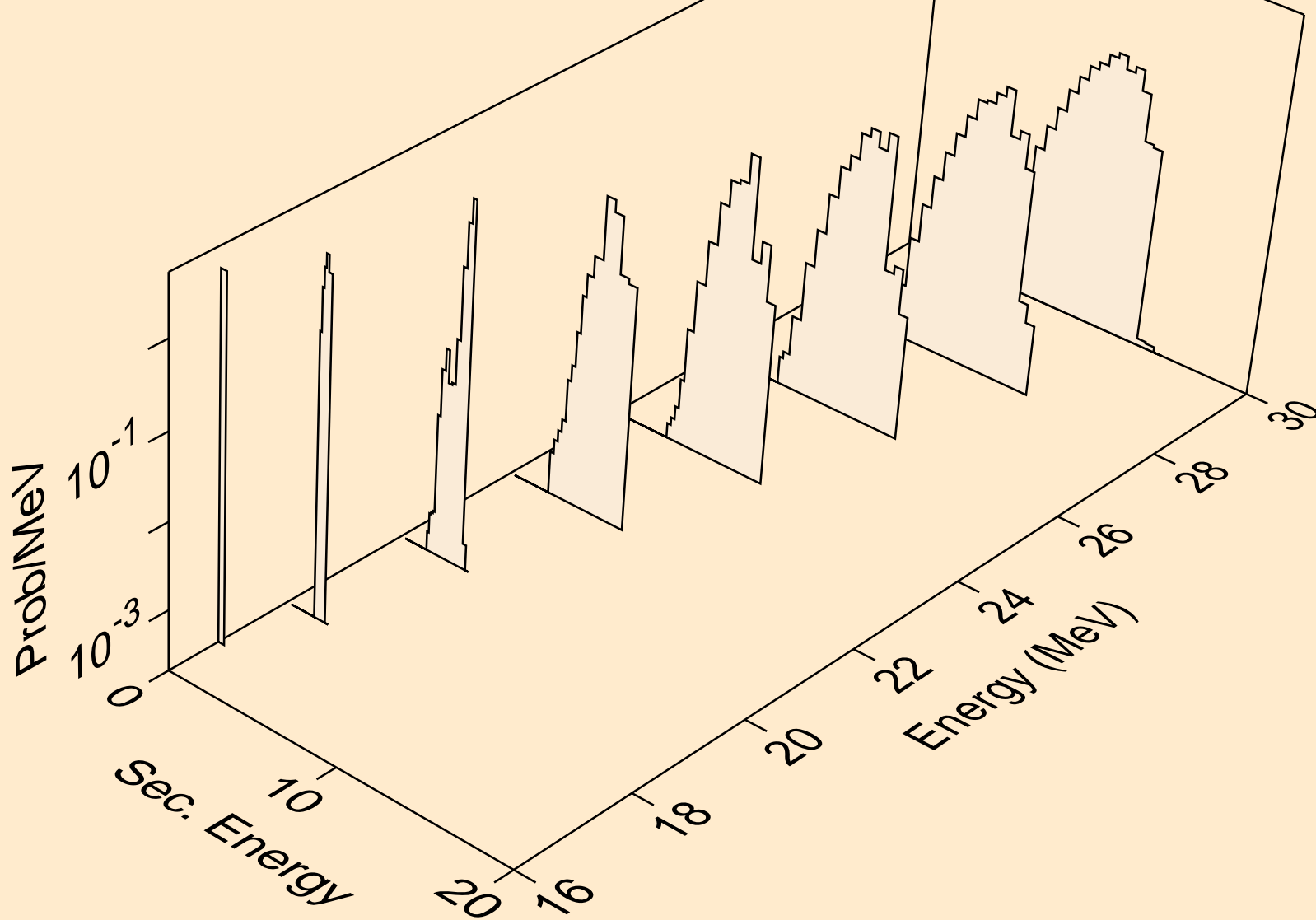
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



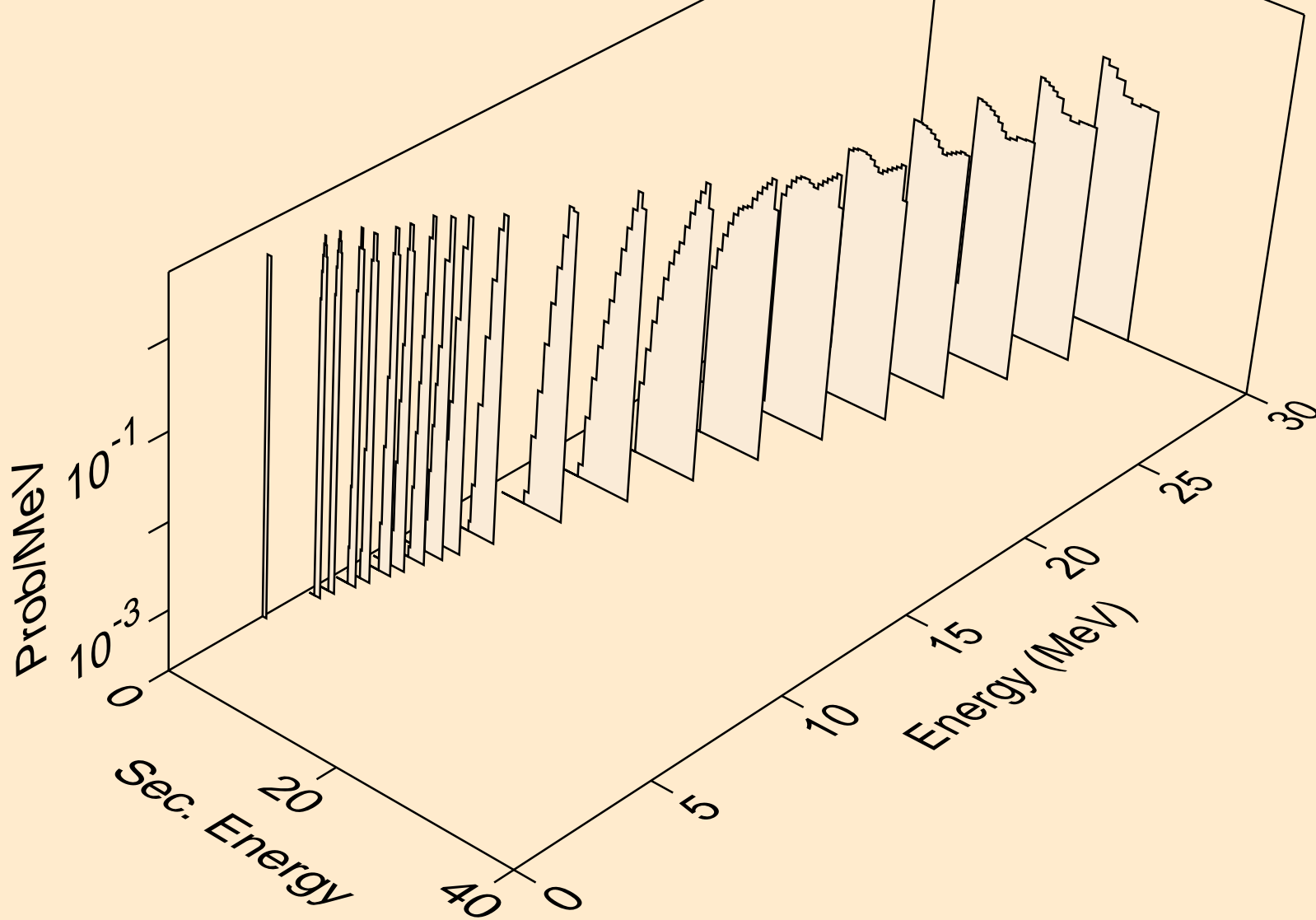
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



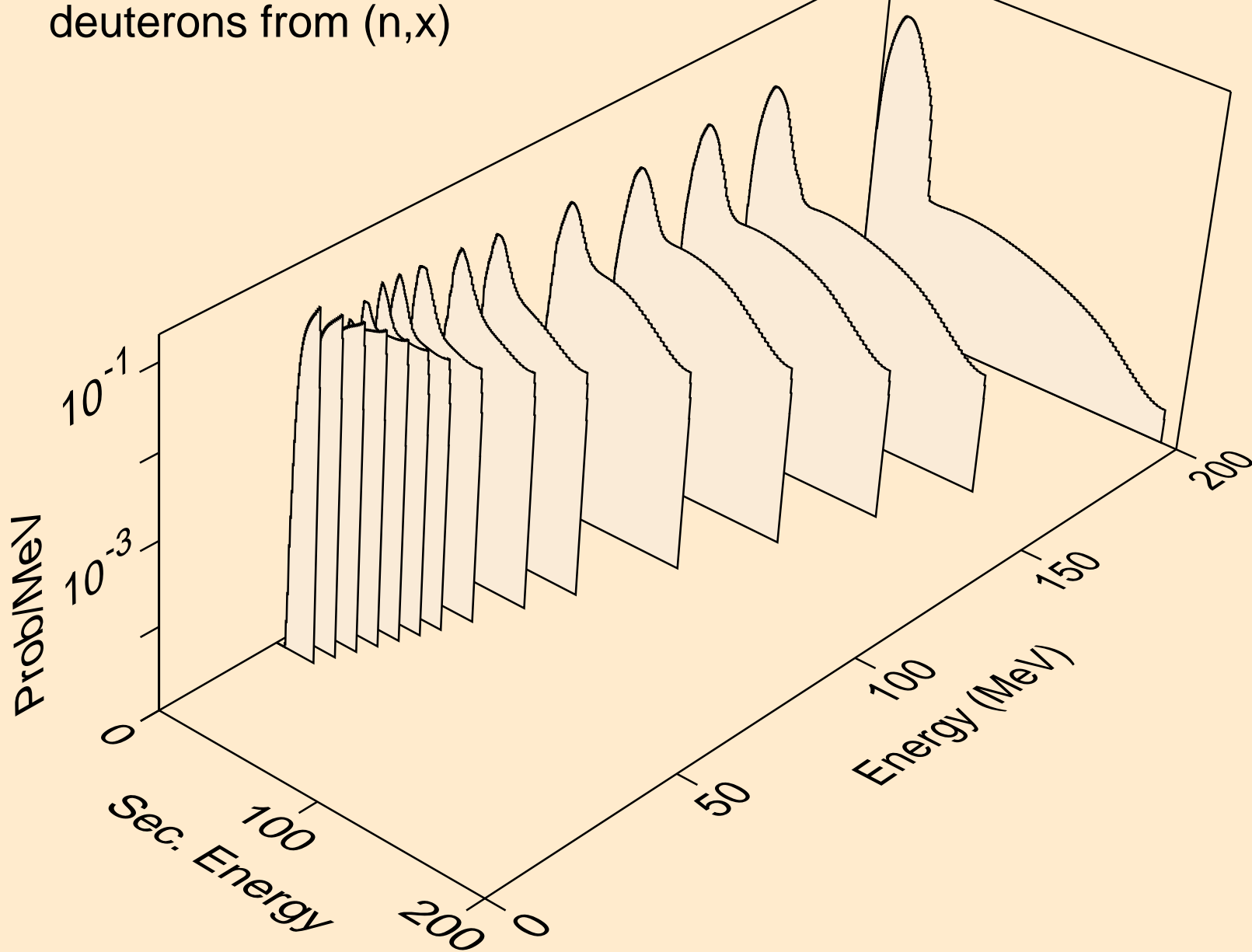
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



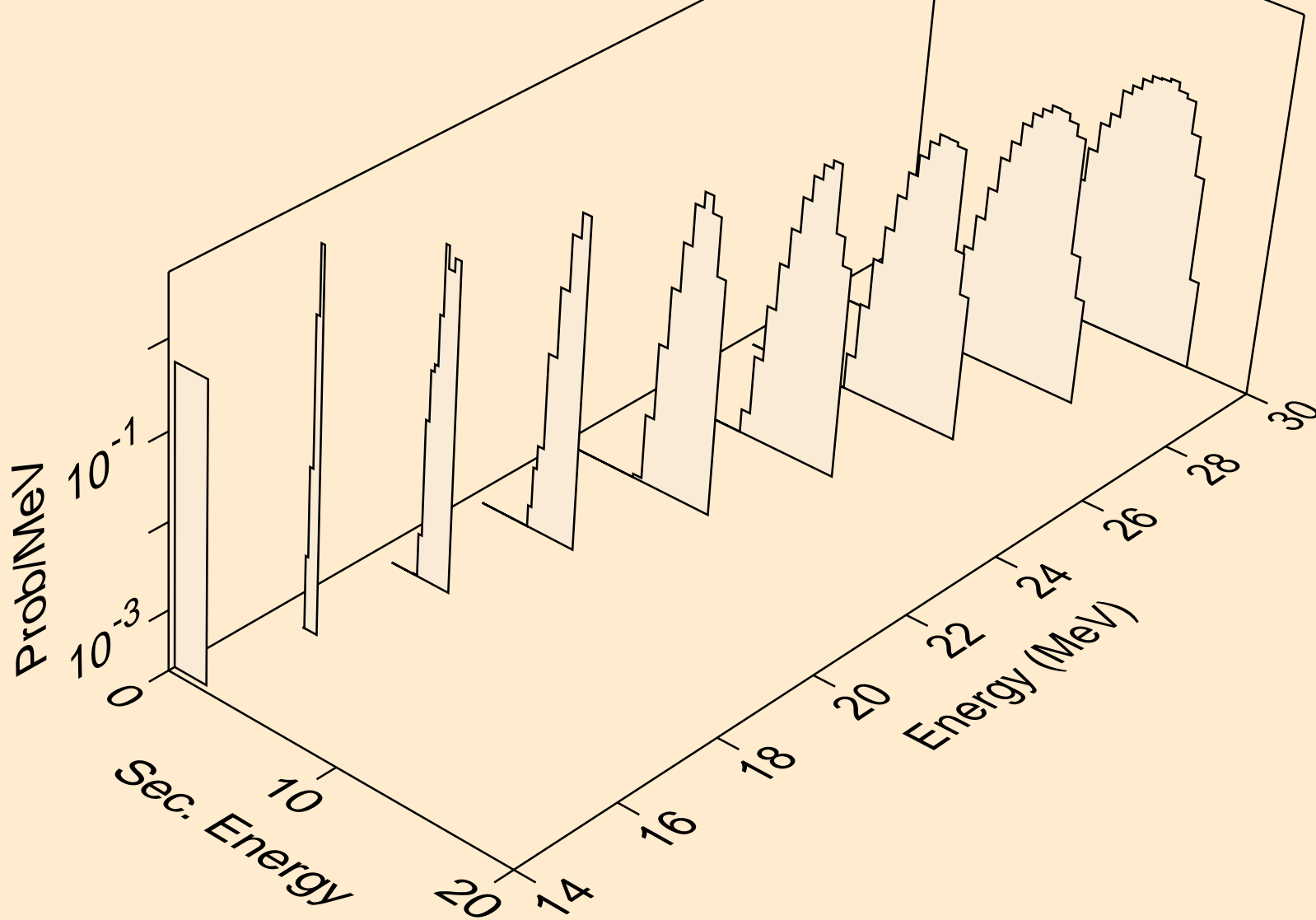
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



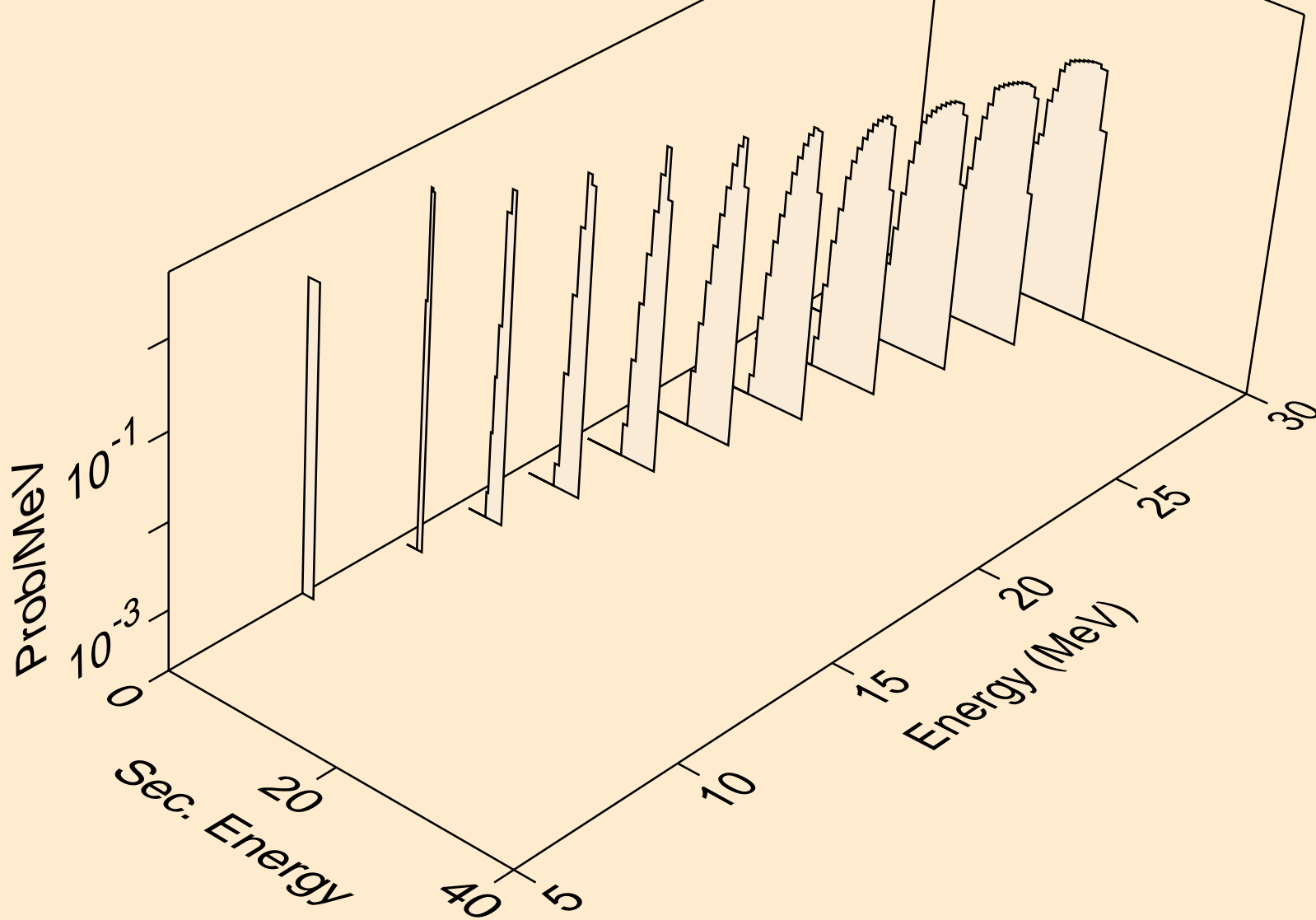
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



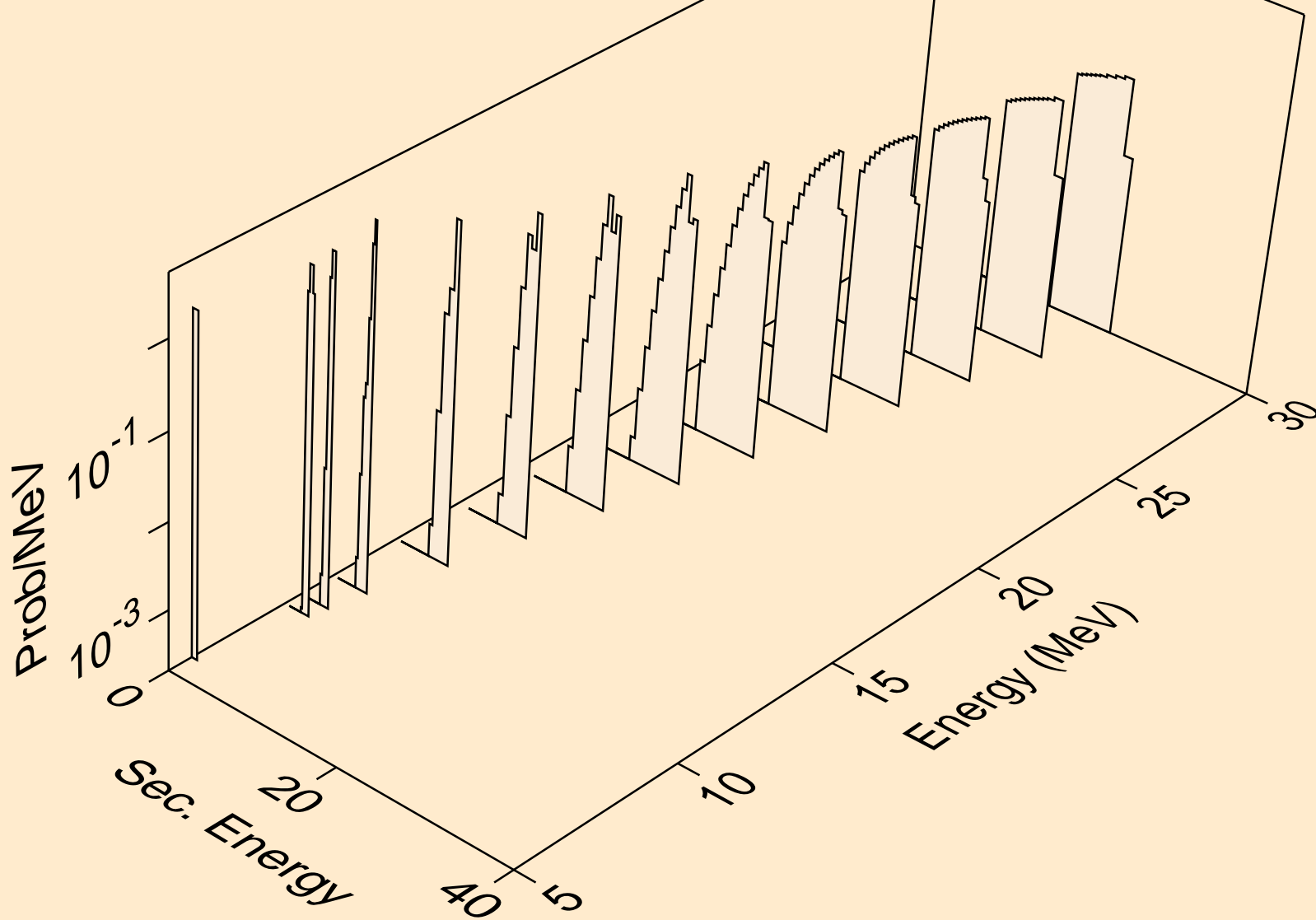
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

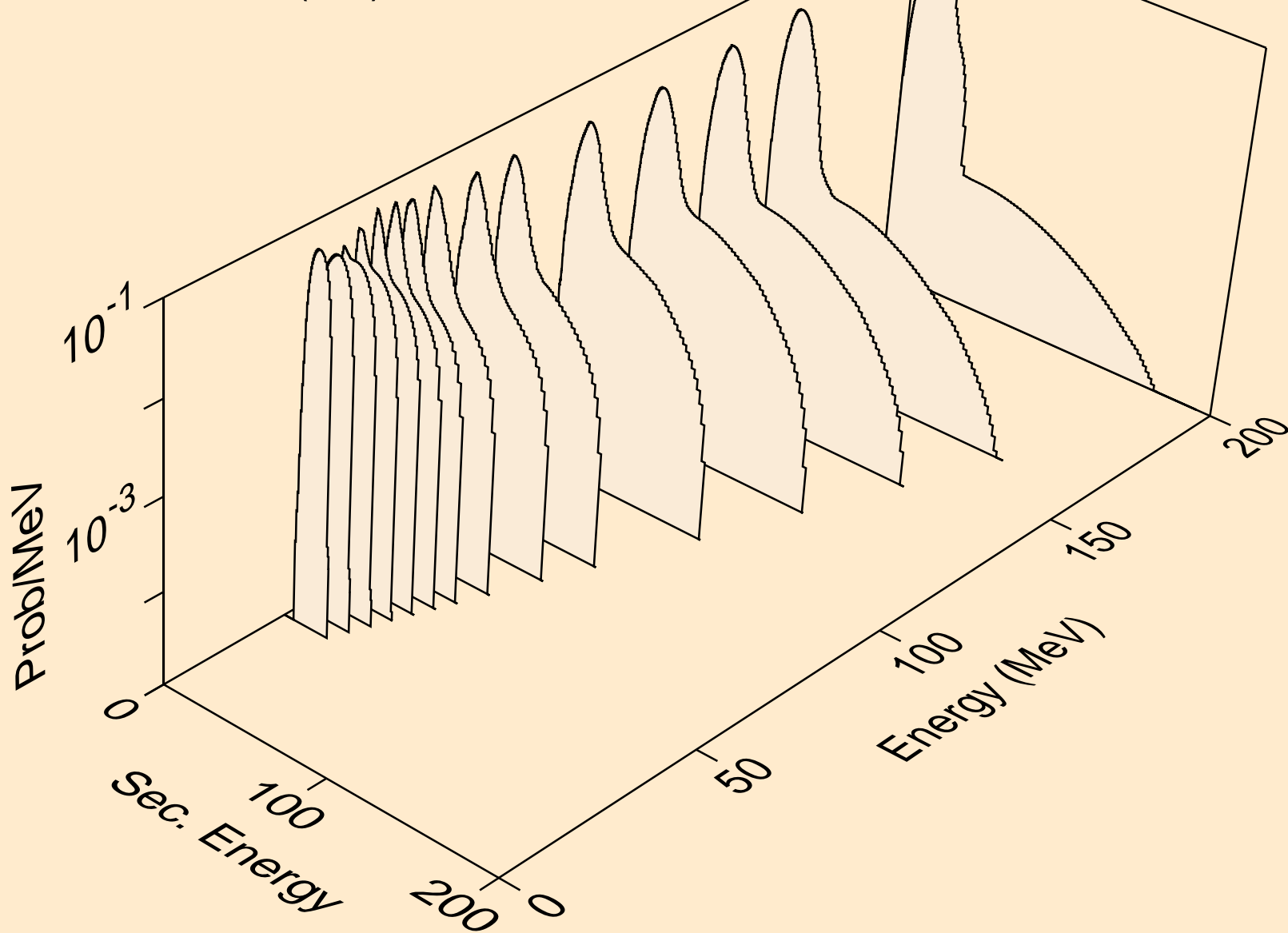


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

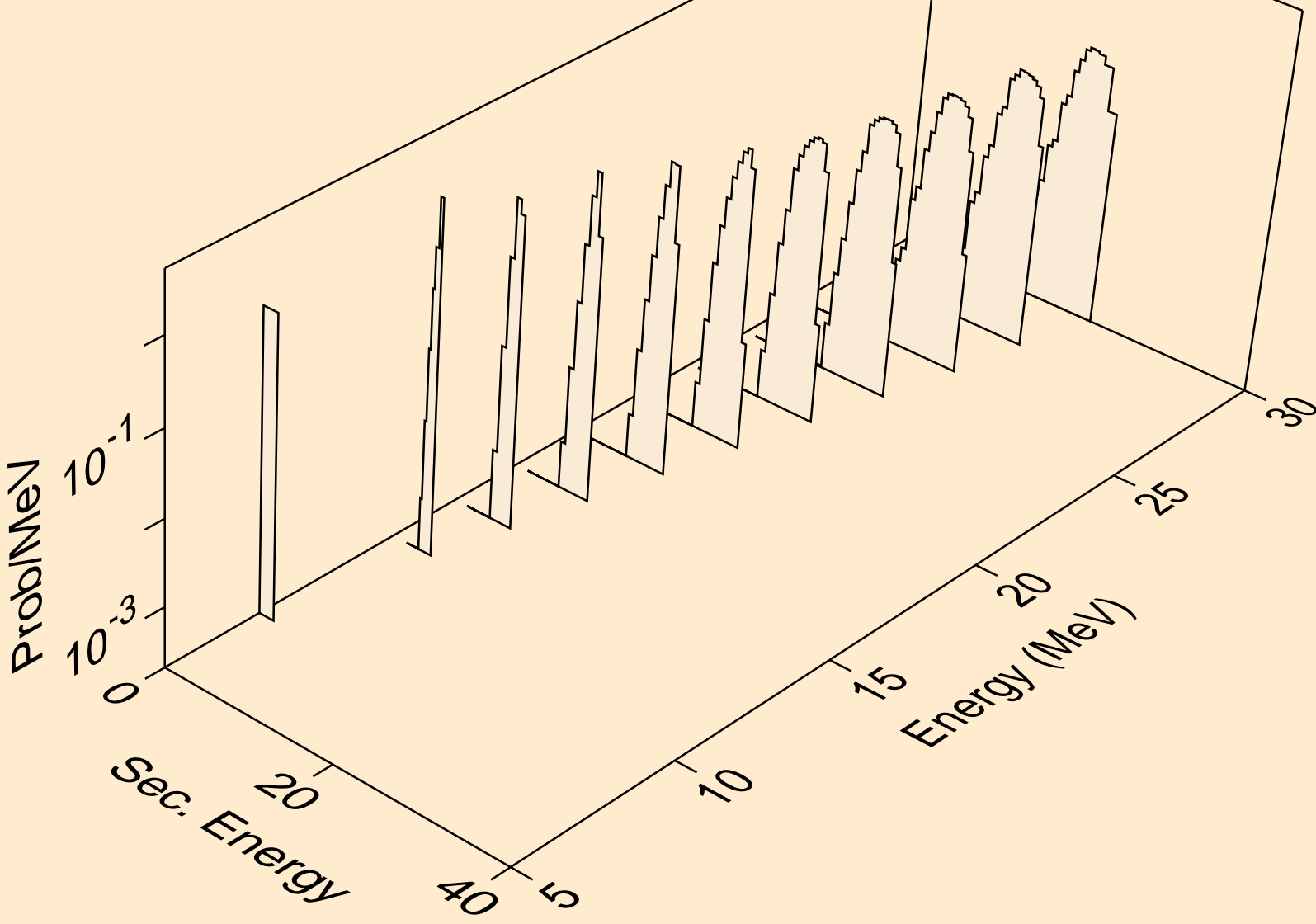




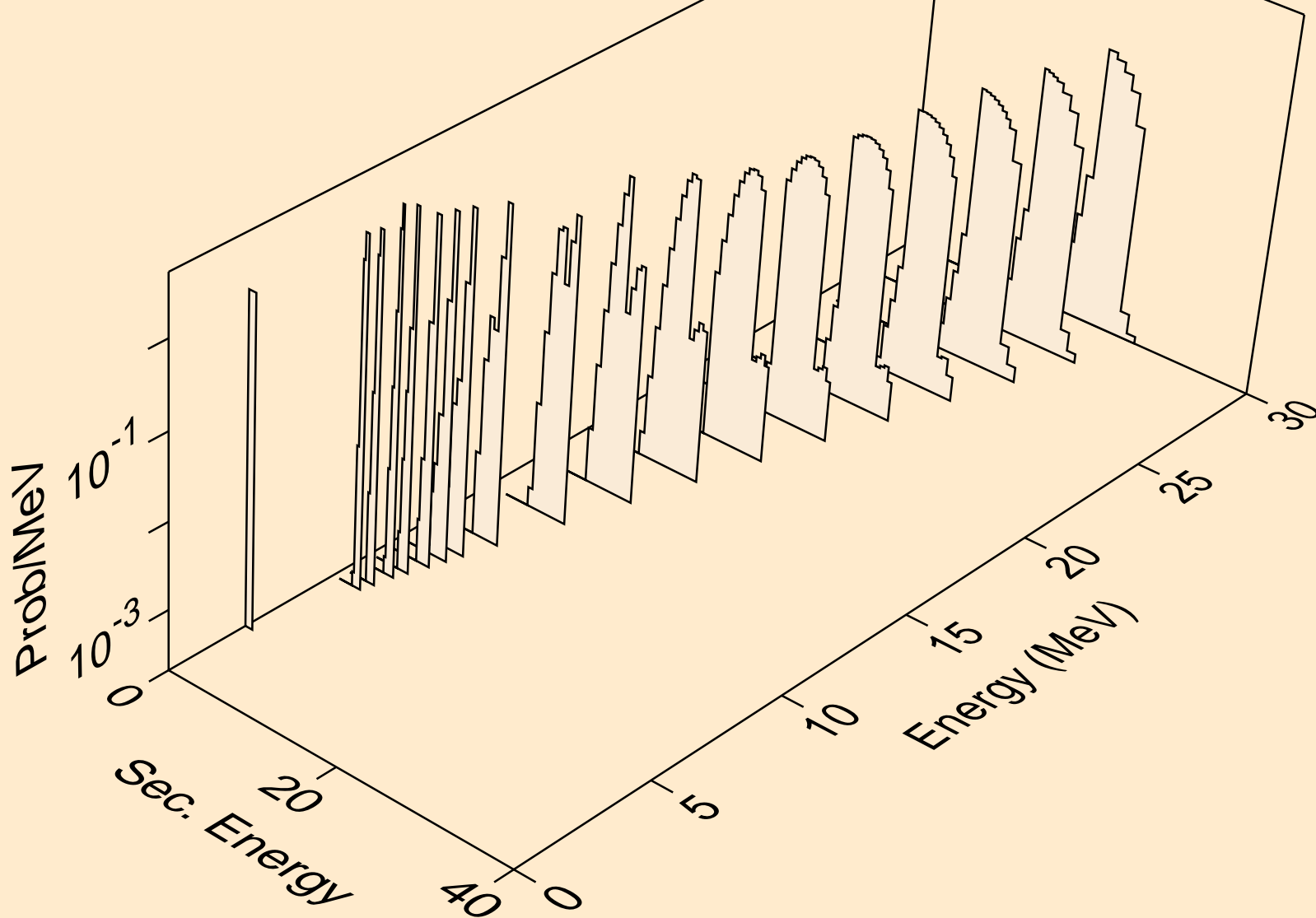
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



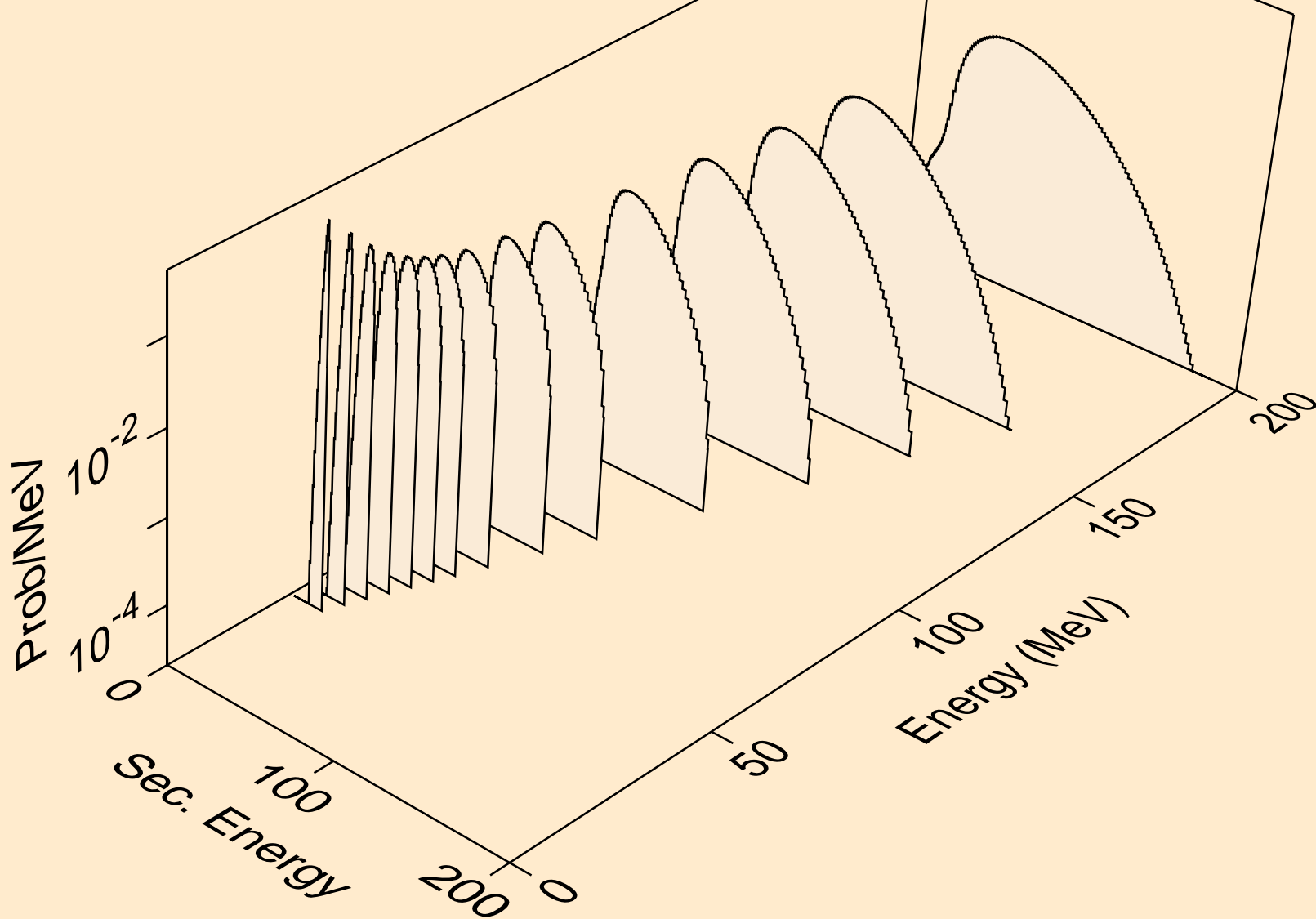
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



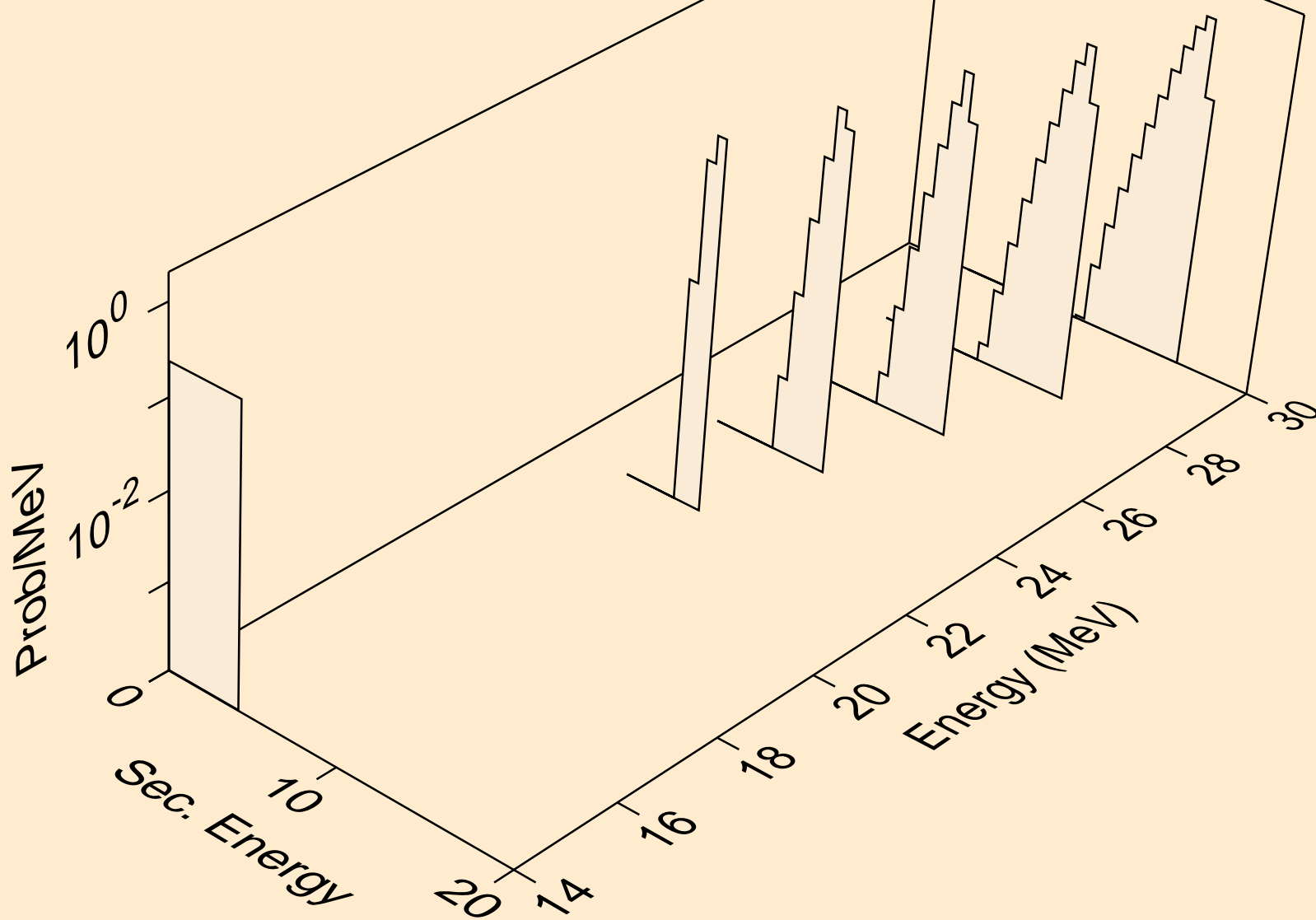
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tritons from (n,t)



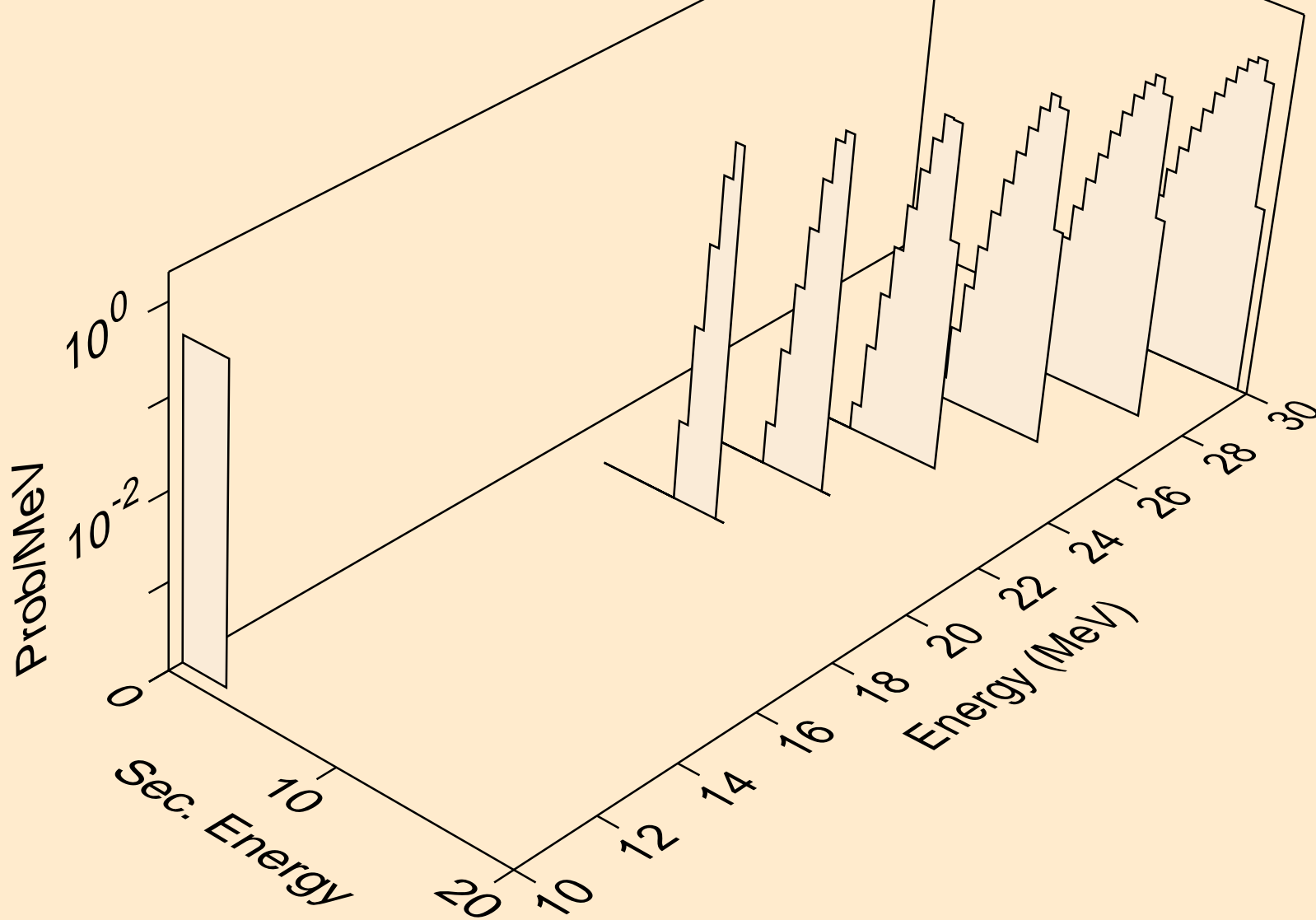
AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



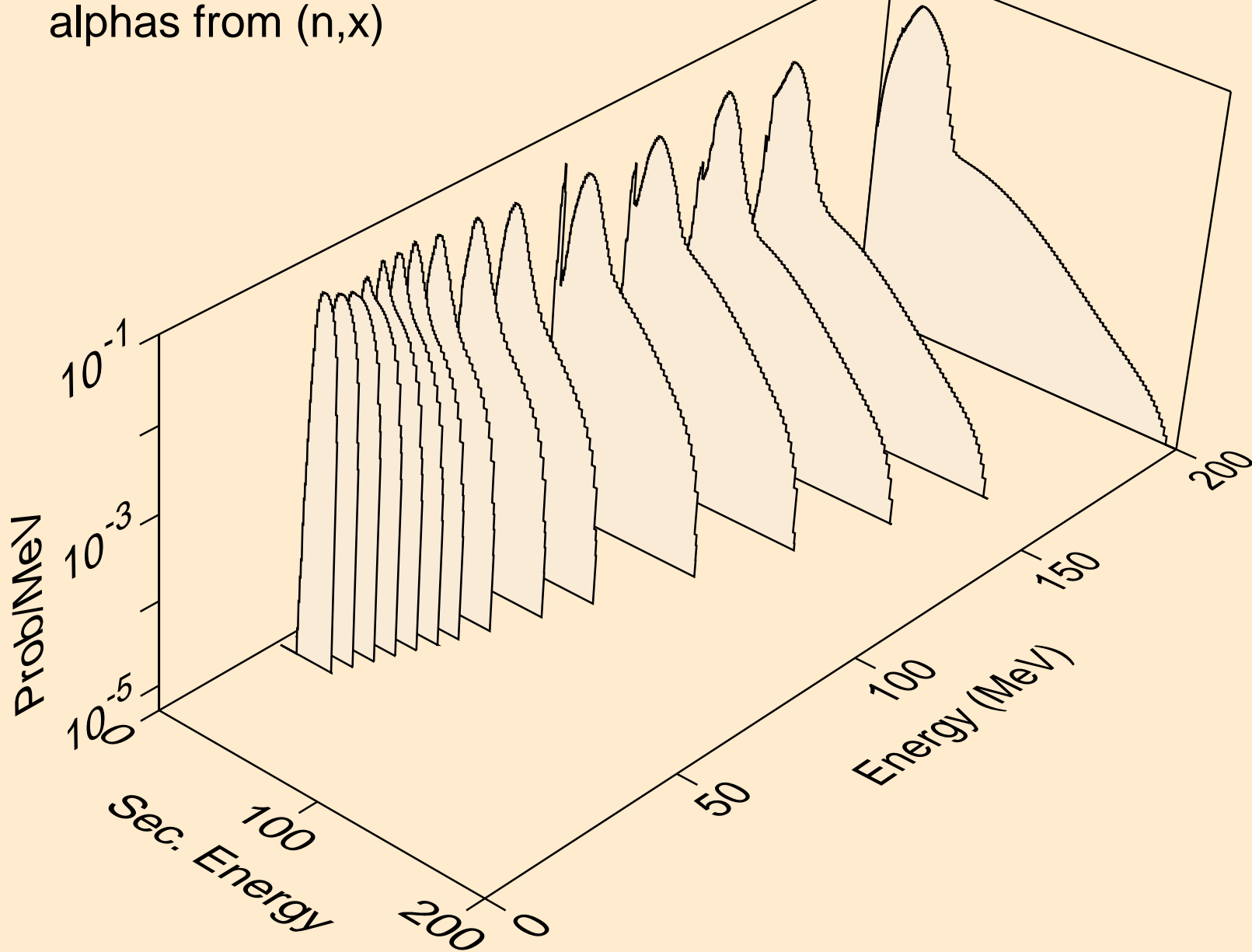
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he3s from (n,n\*)he3



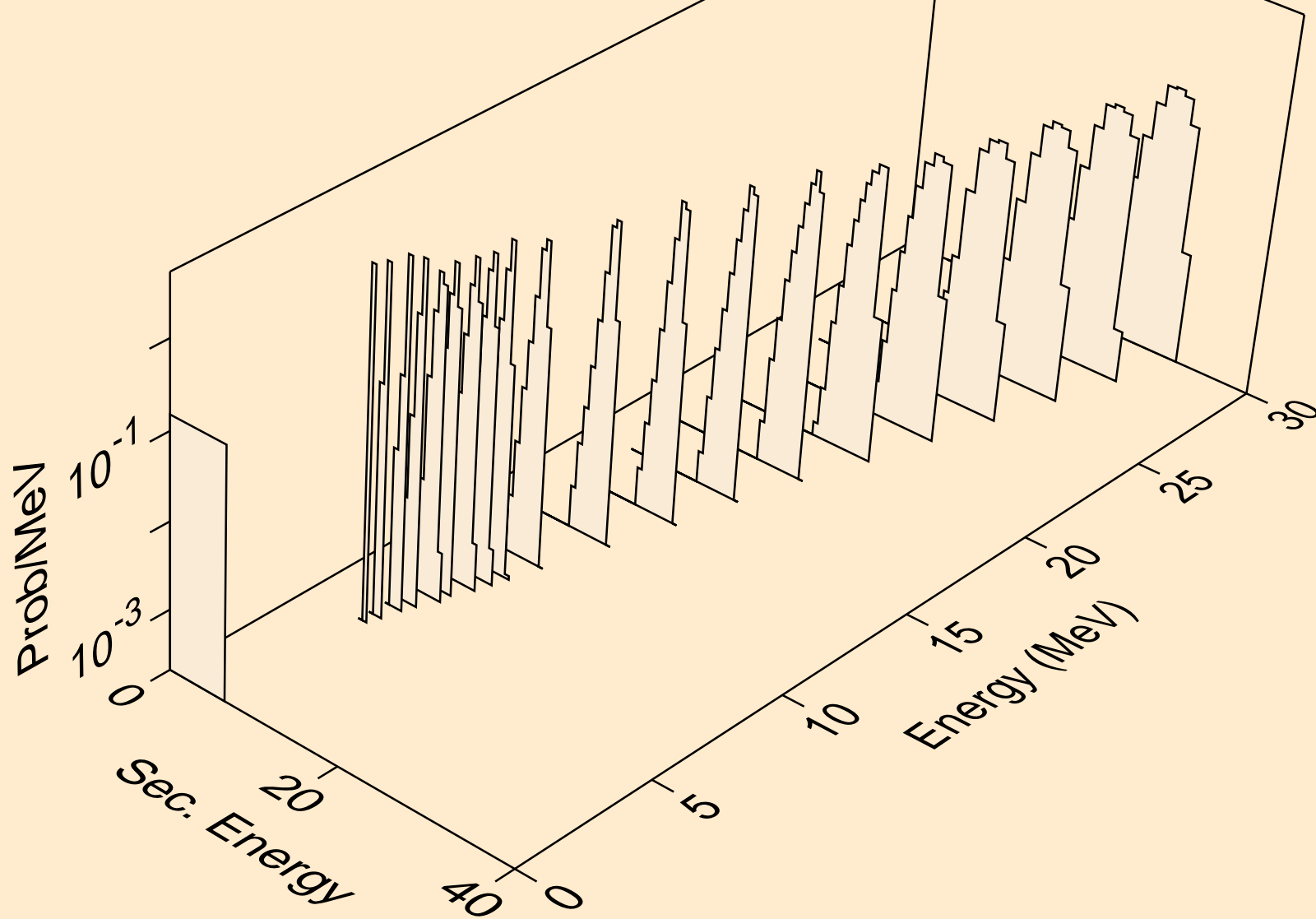
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he3s from (n,he3)



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

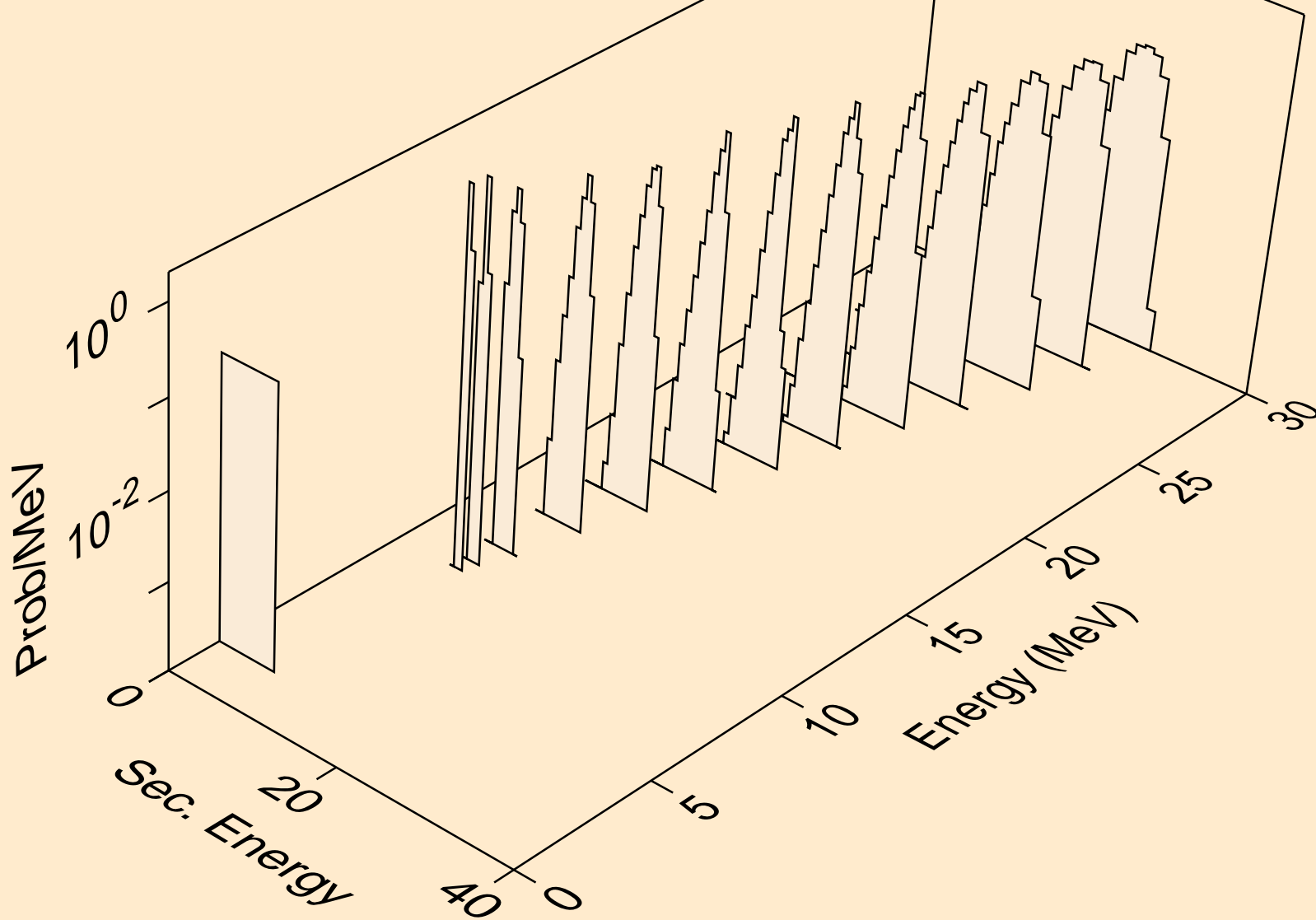


AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

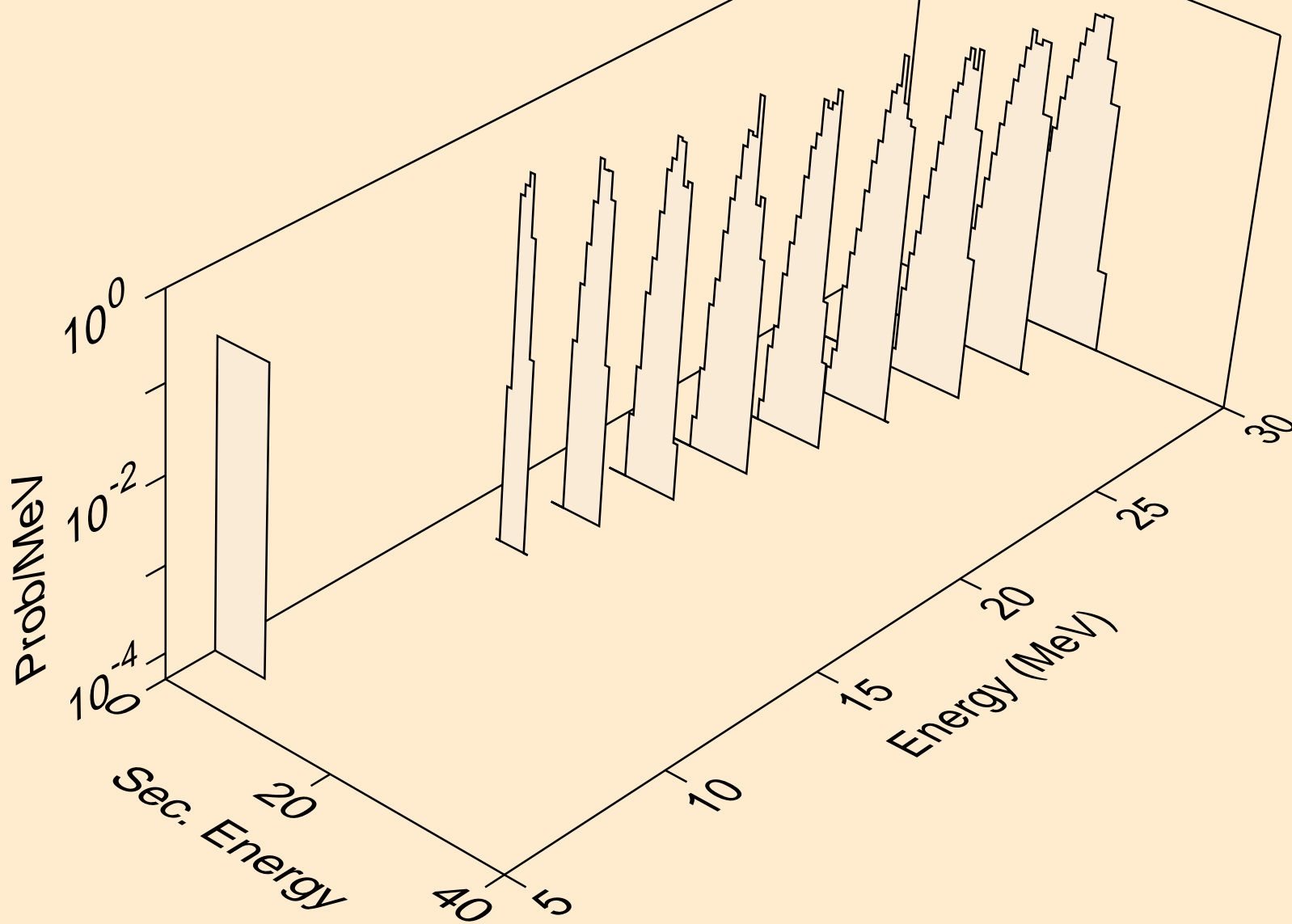




AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



AT228 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

