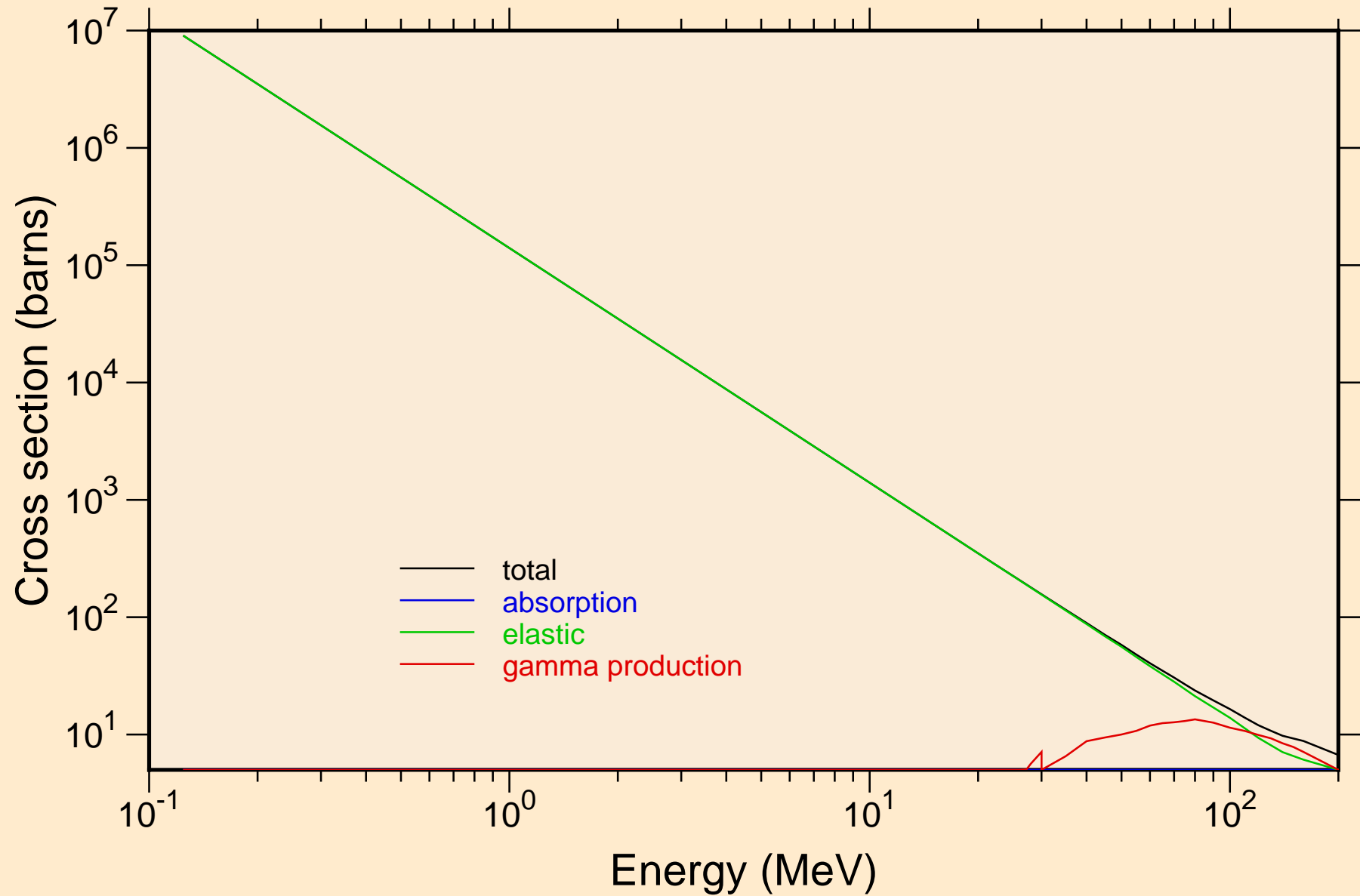
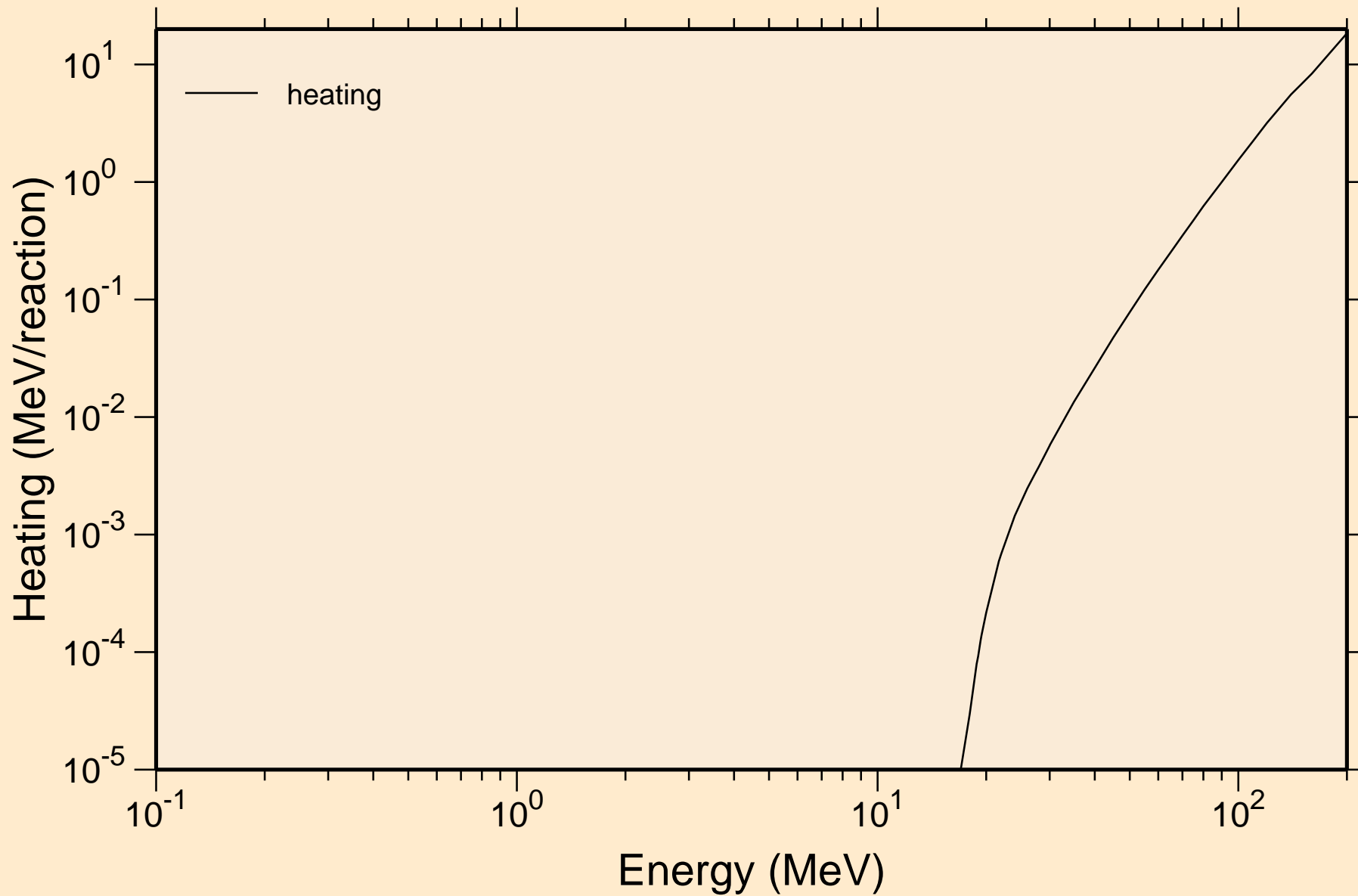


# W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

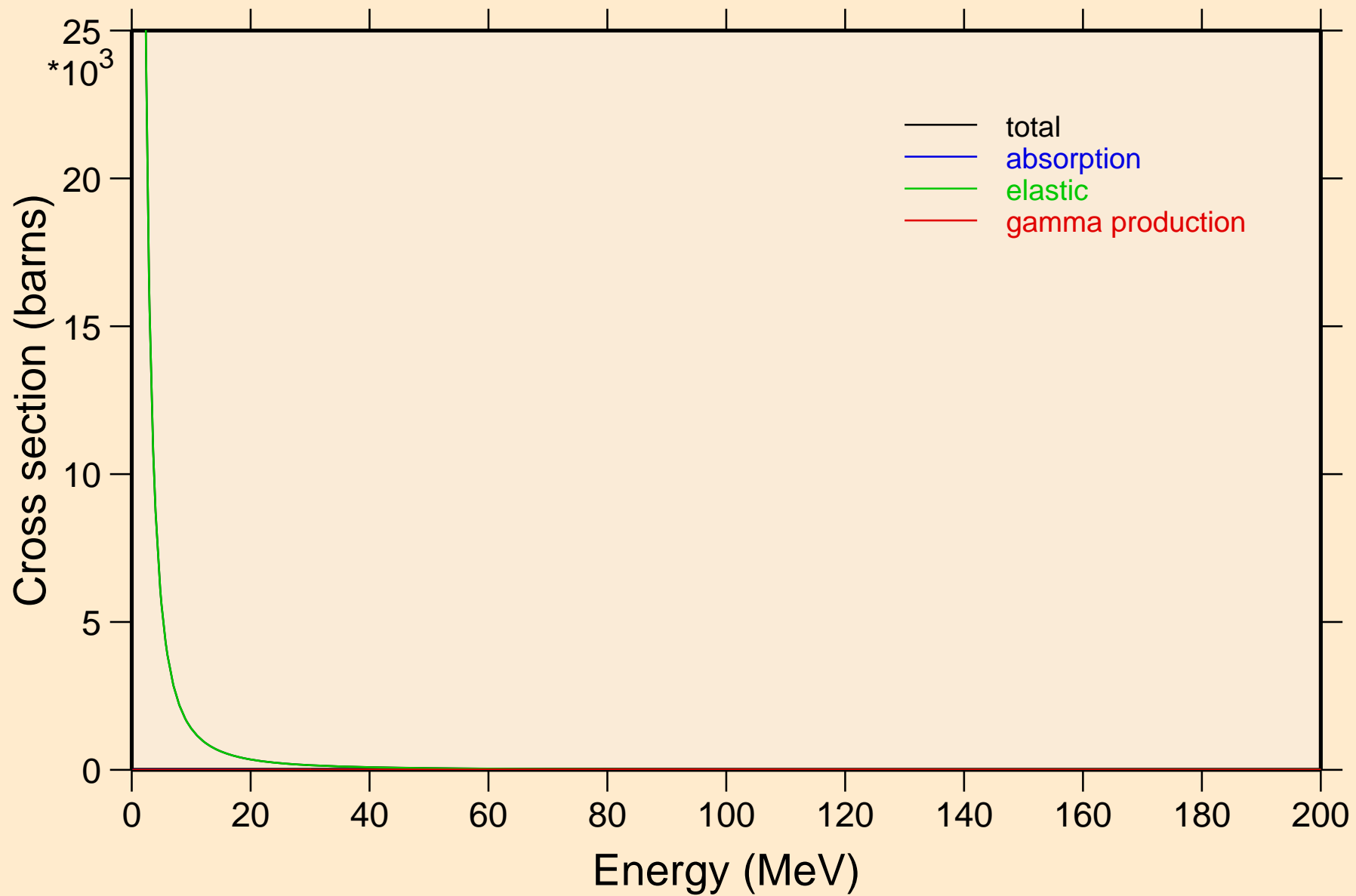


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Heating



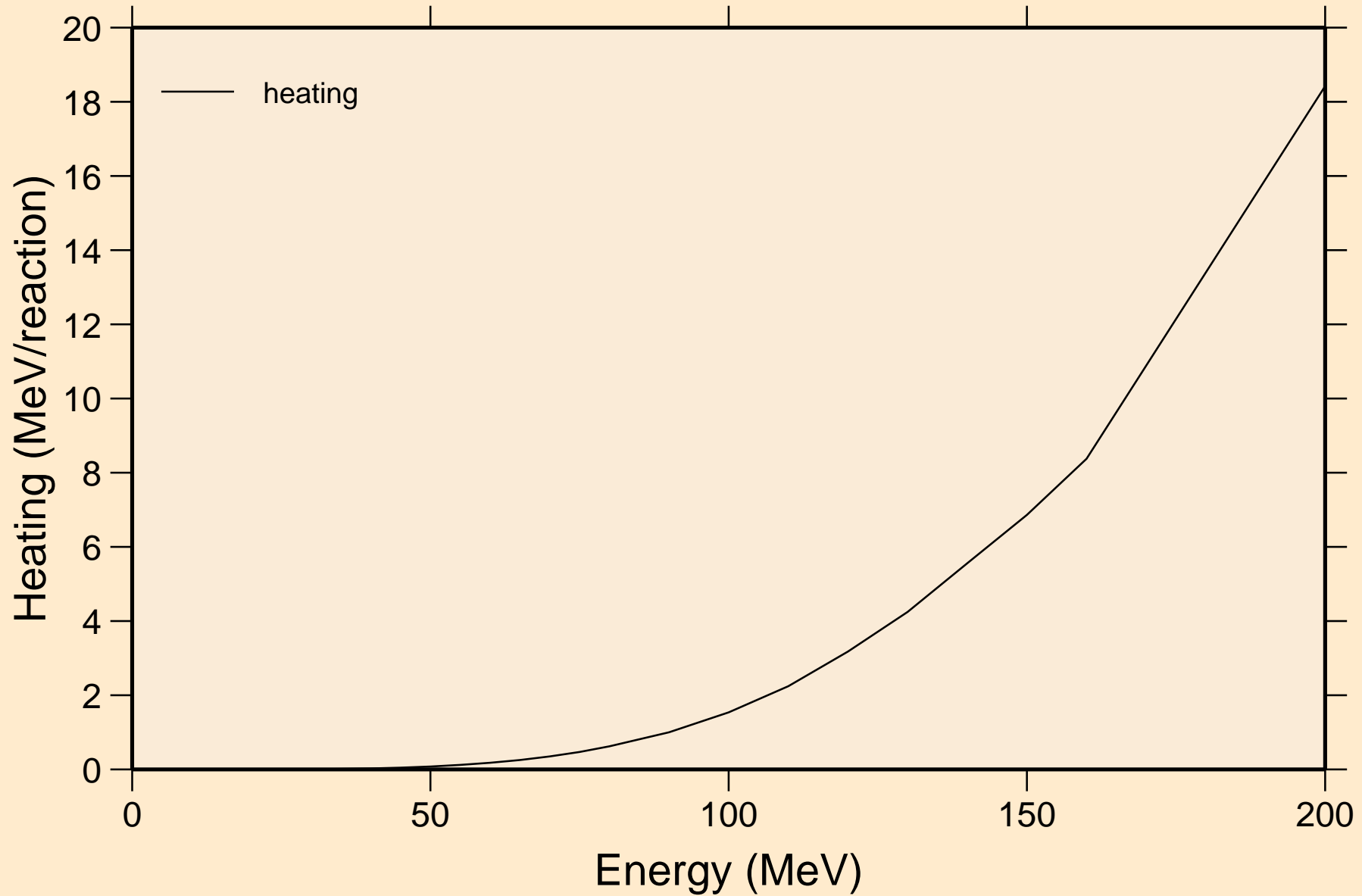
# W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

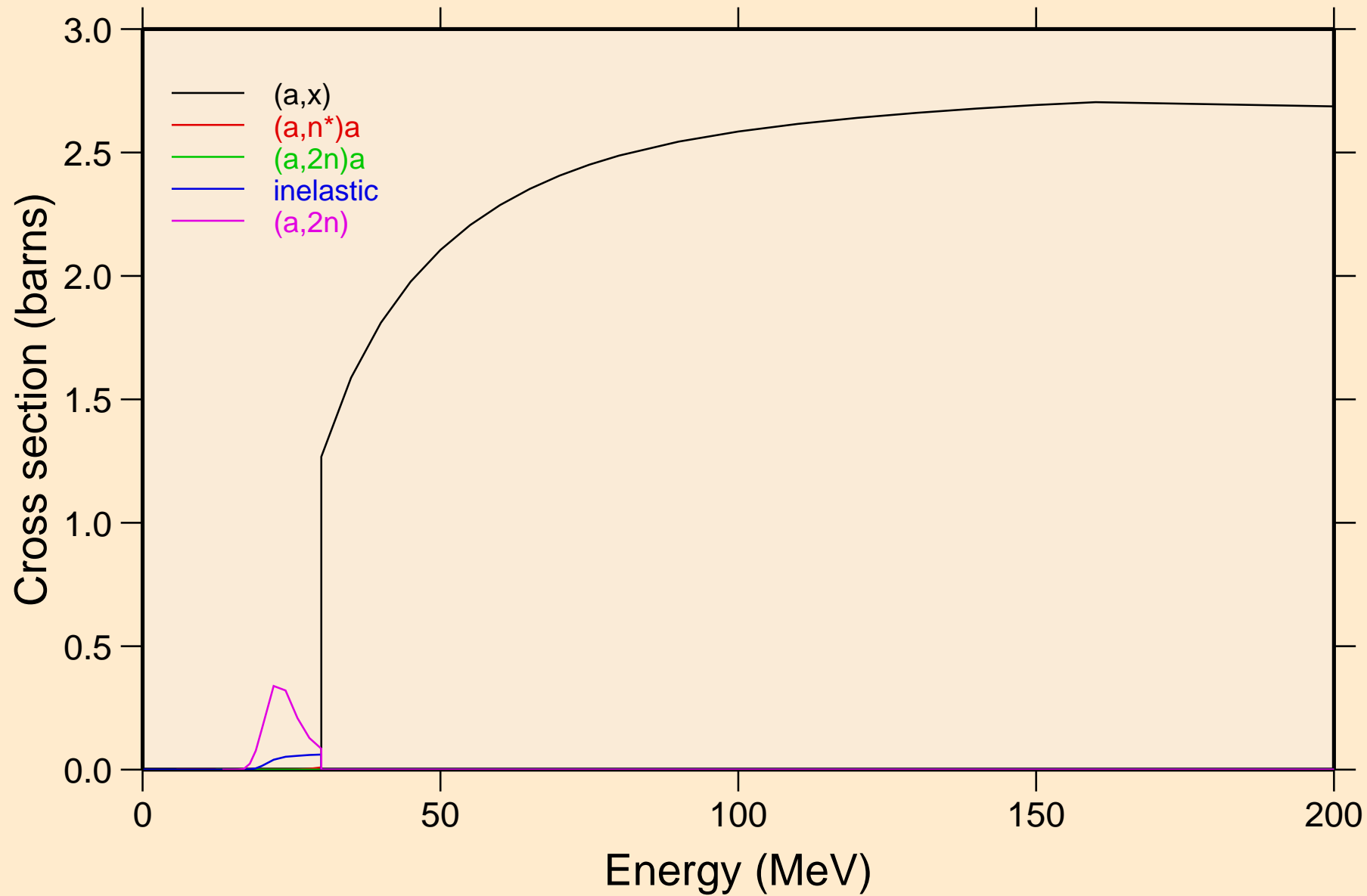


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

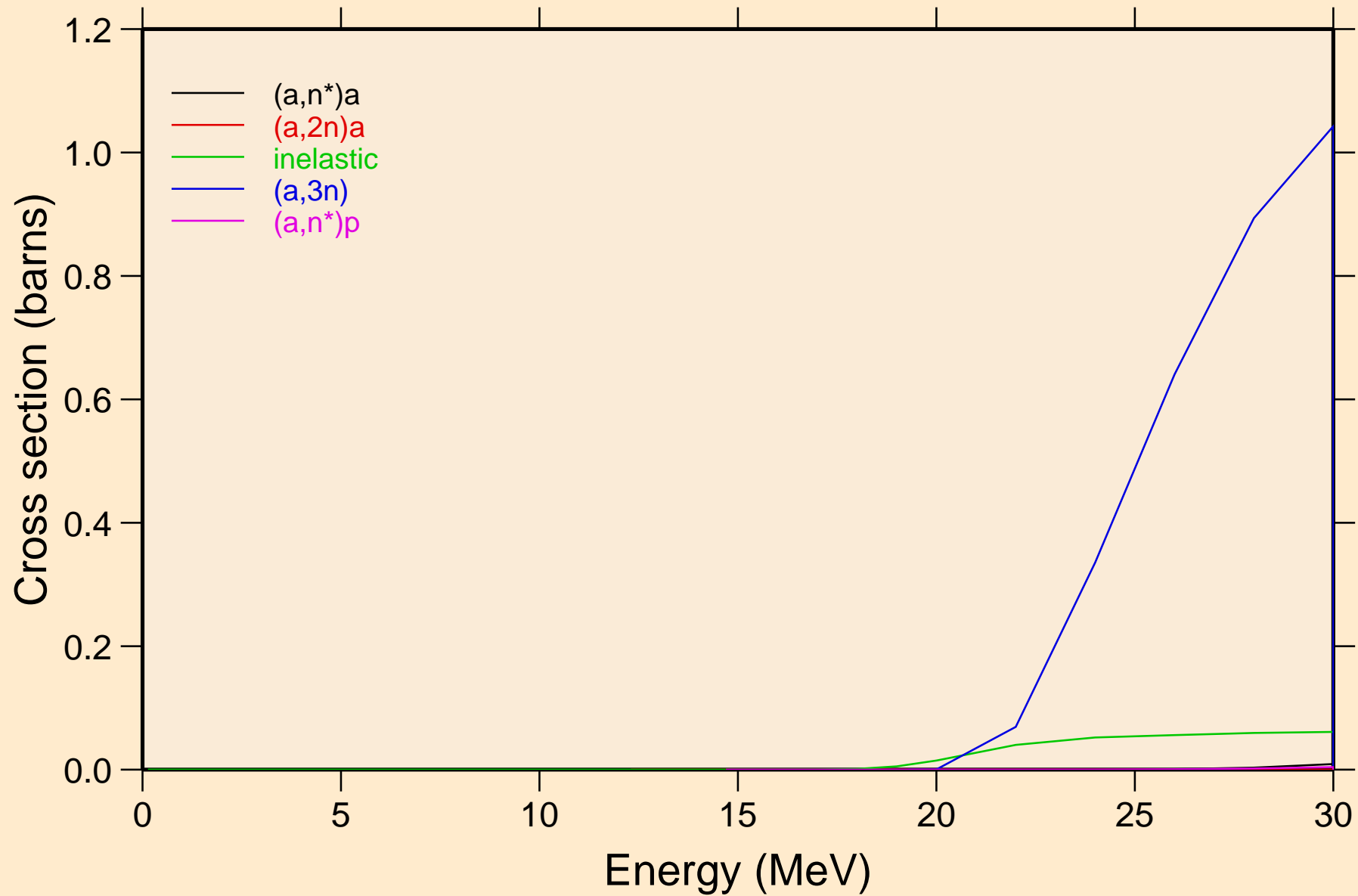
Heating



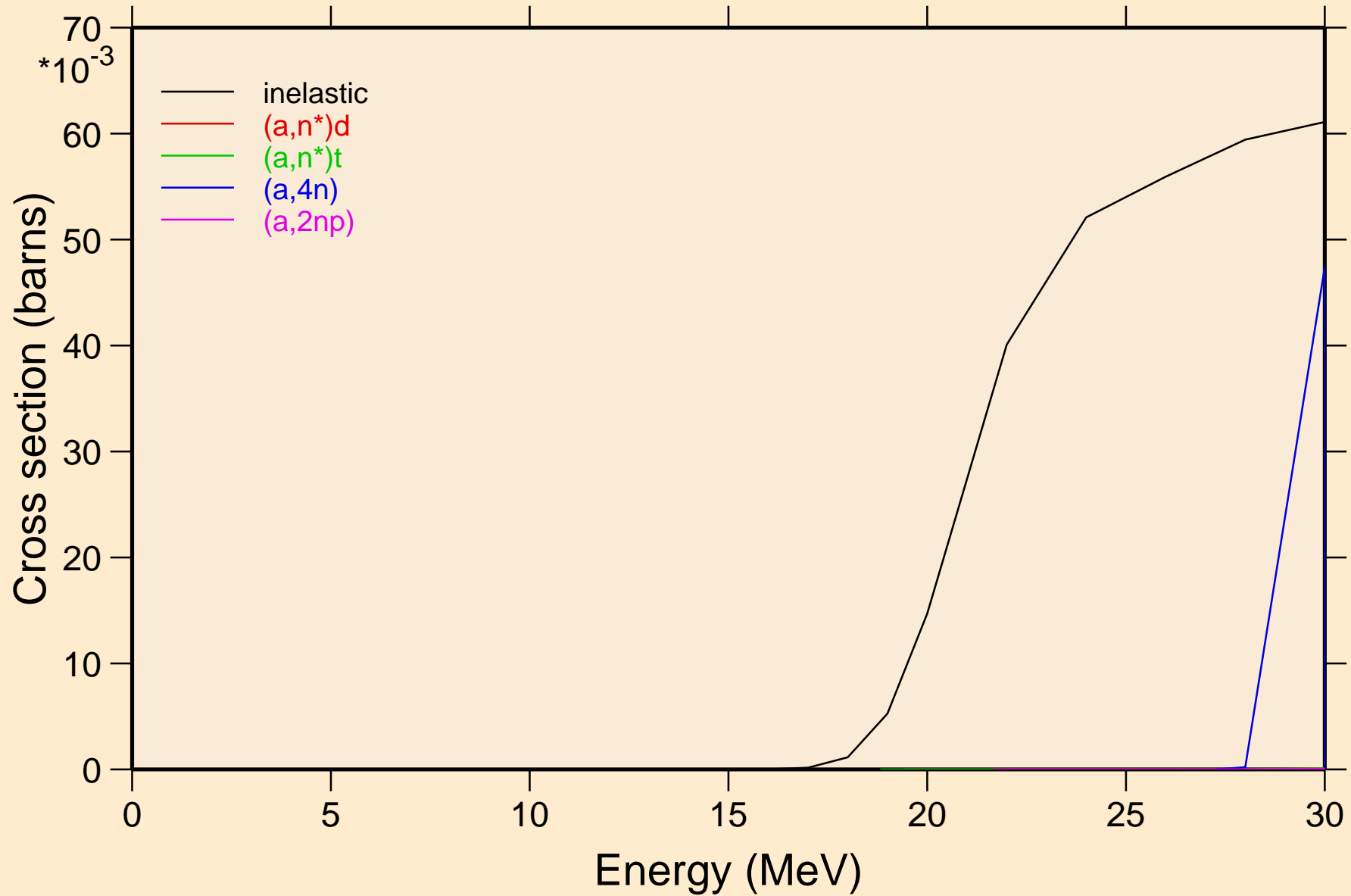
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



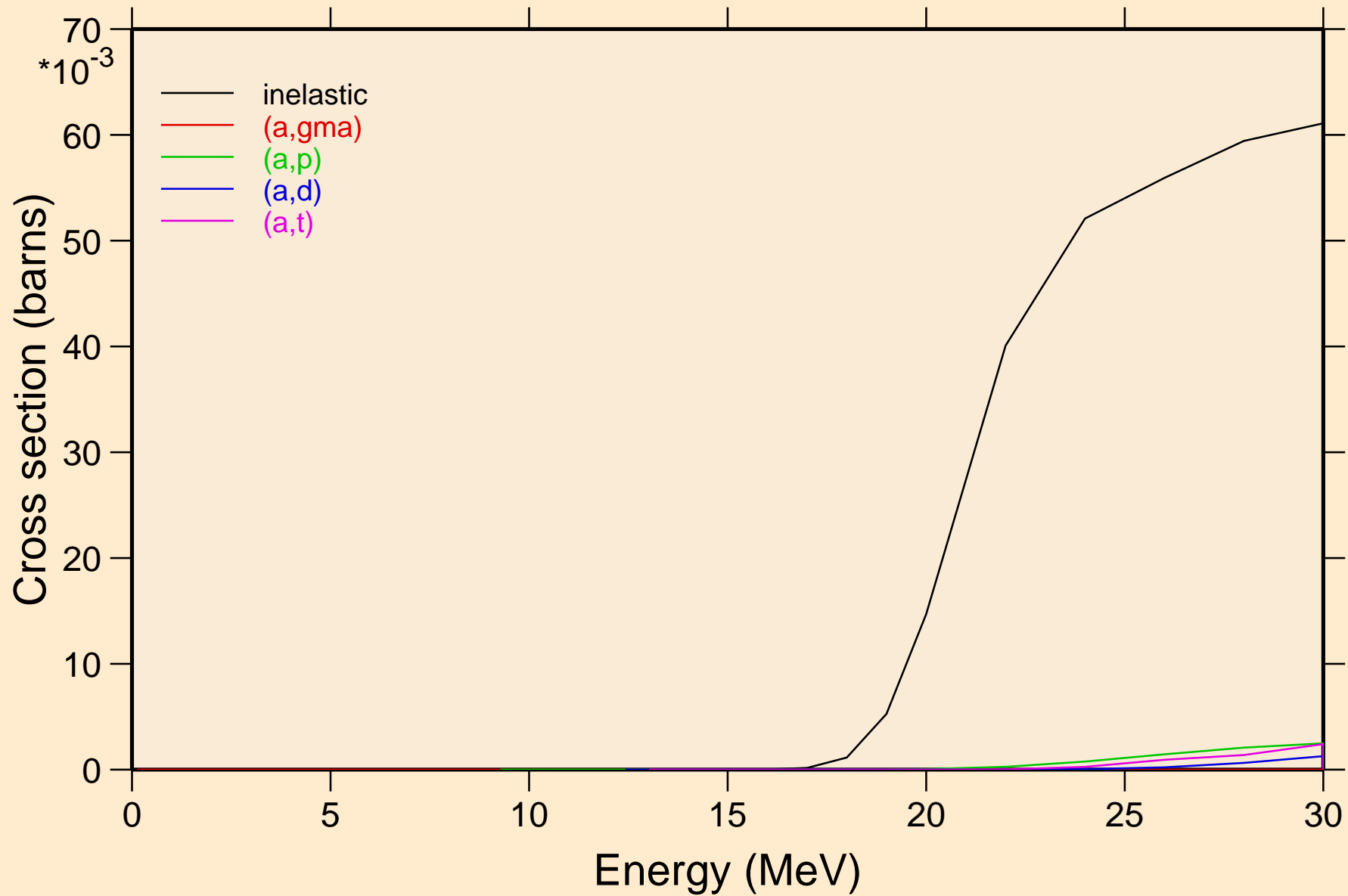
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



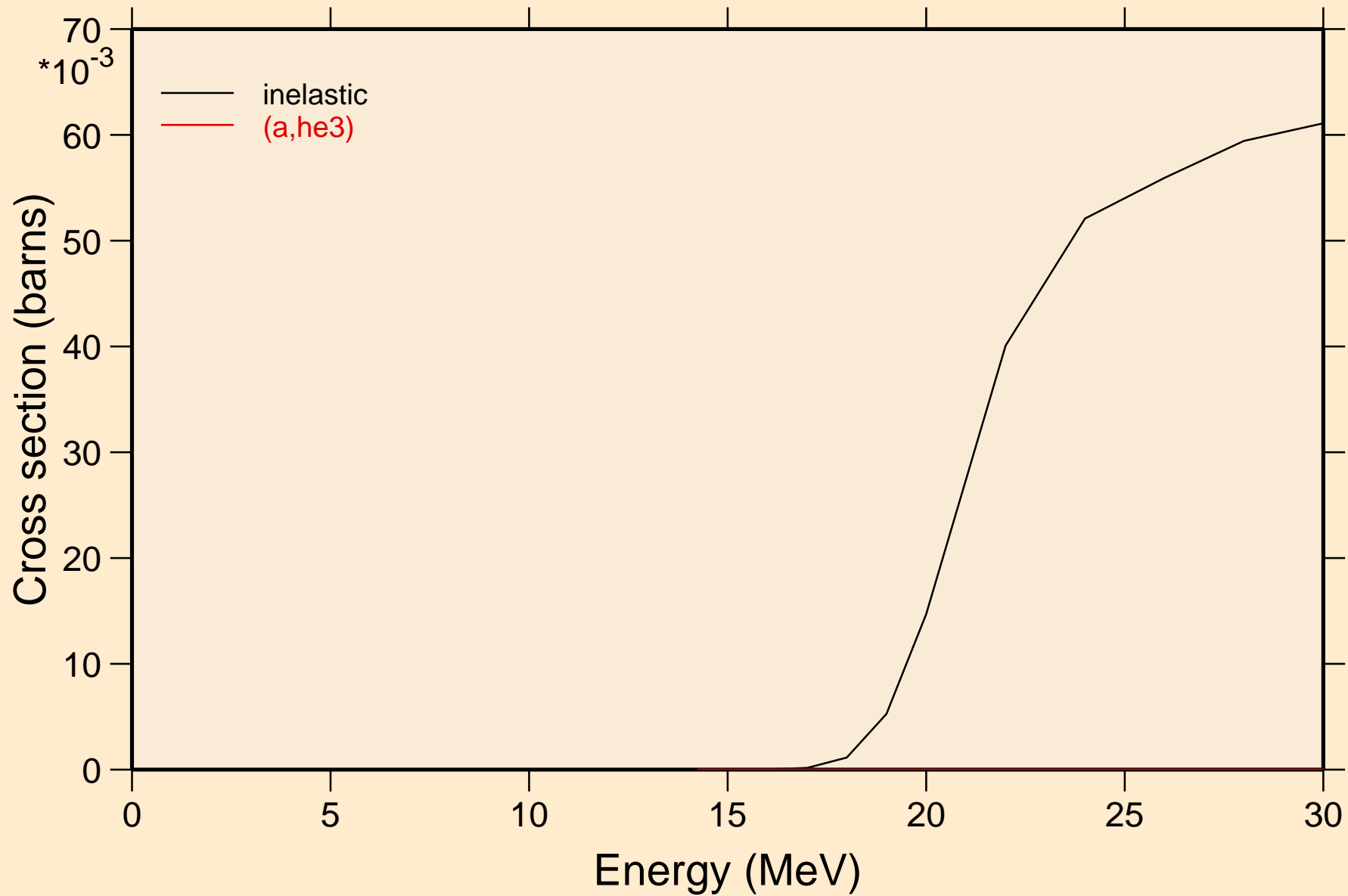
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



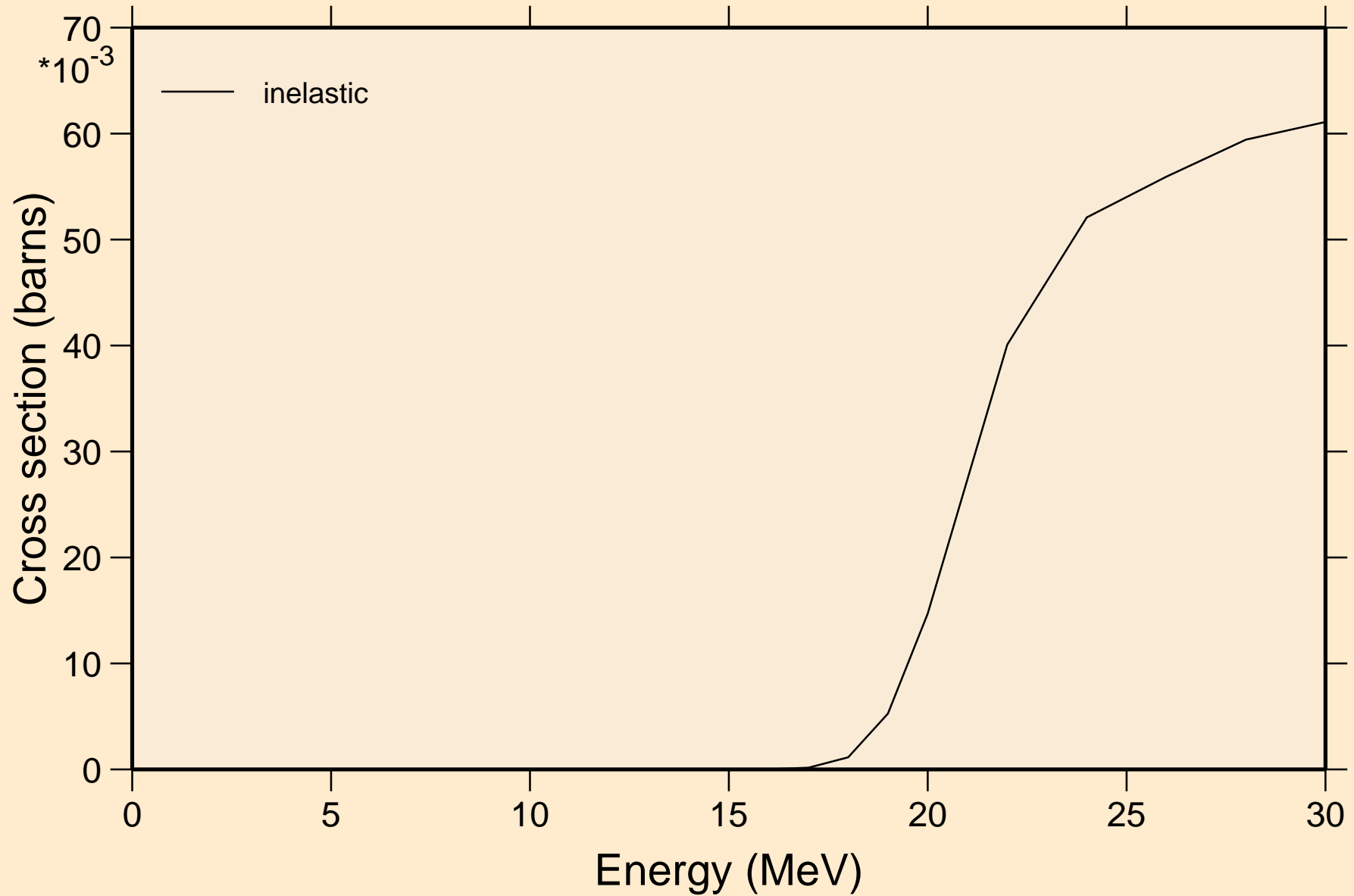
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



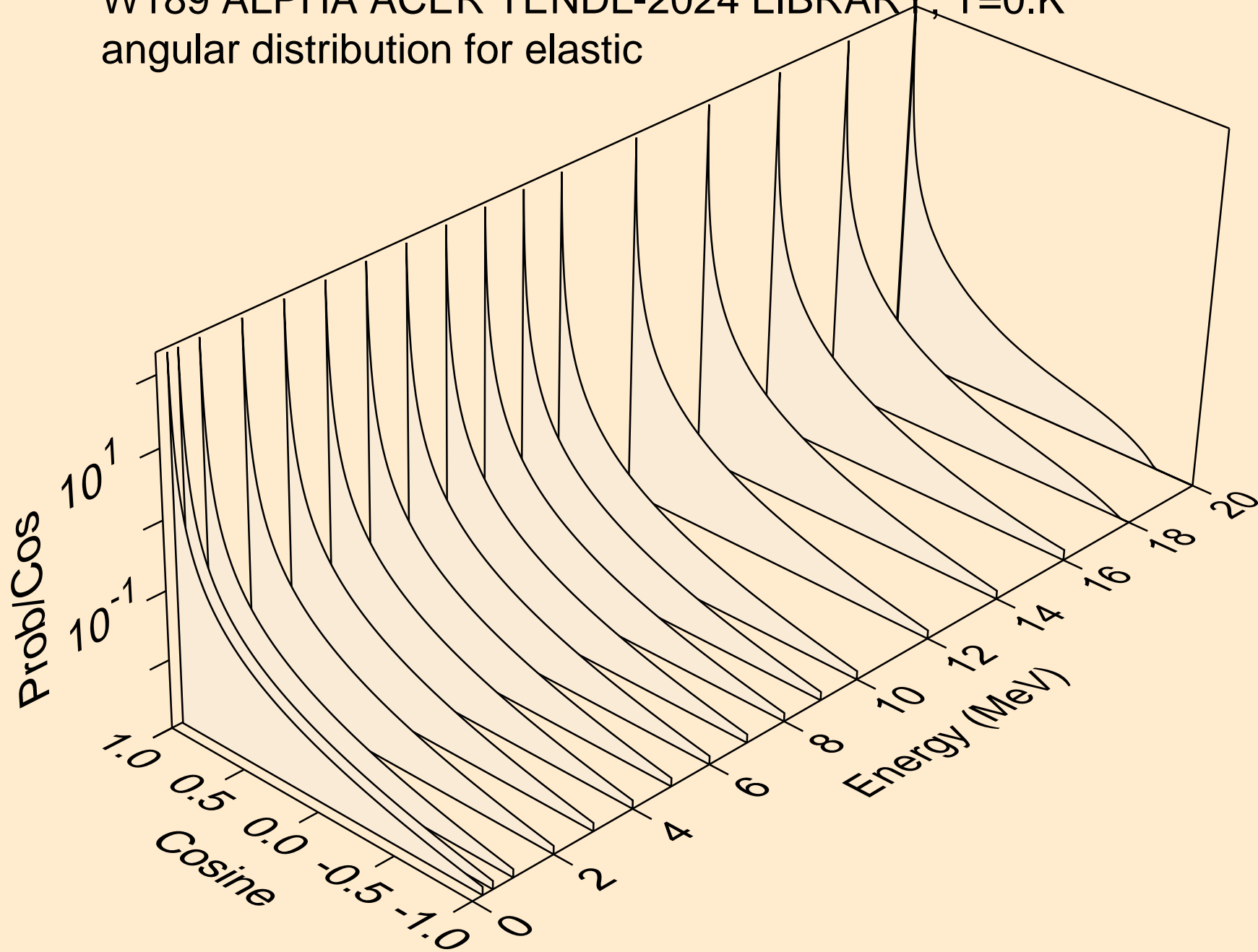
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



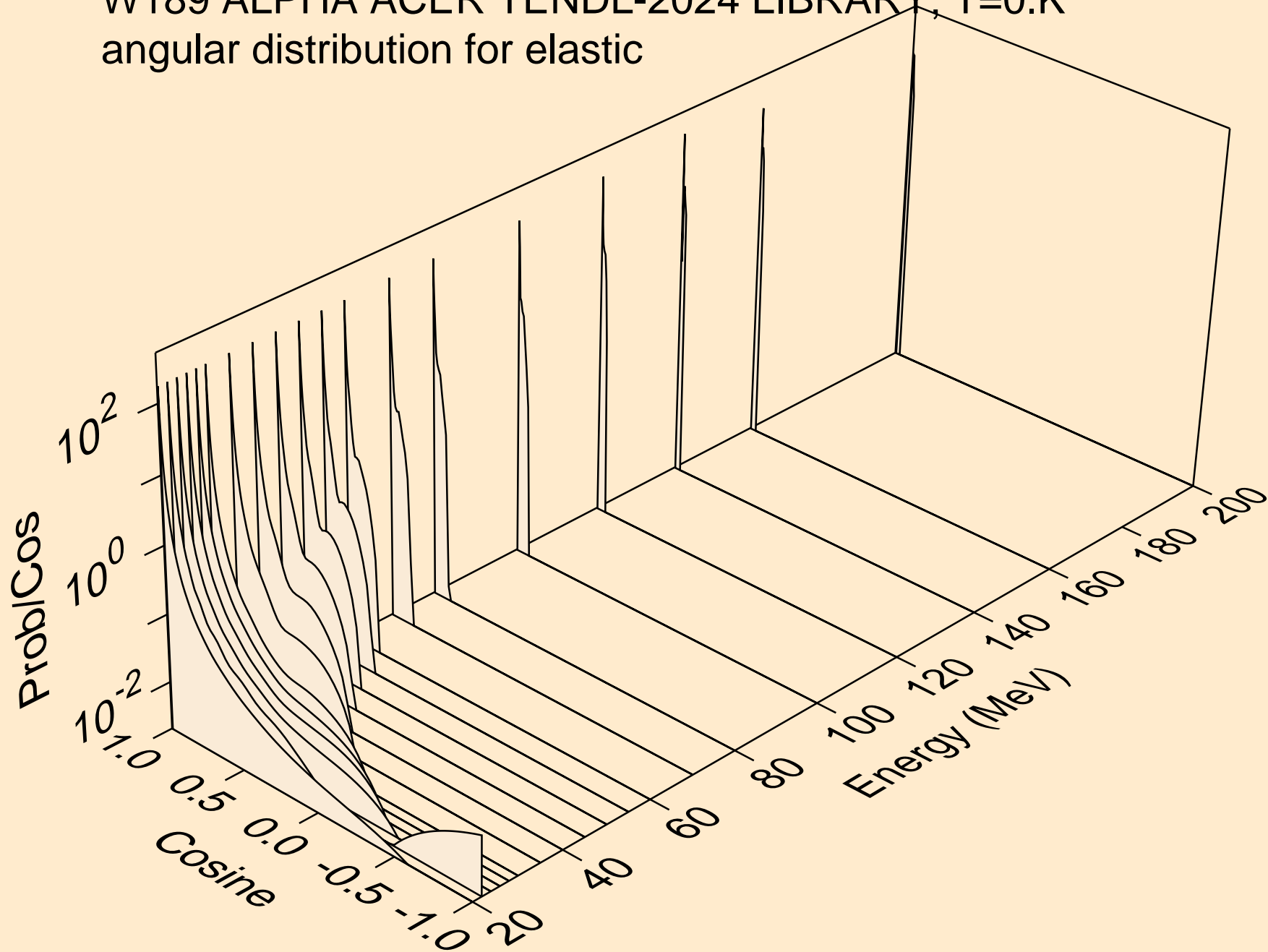
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



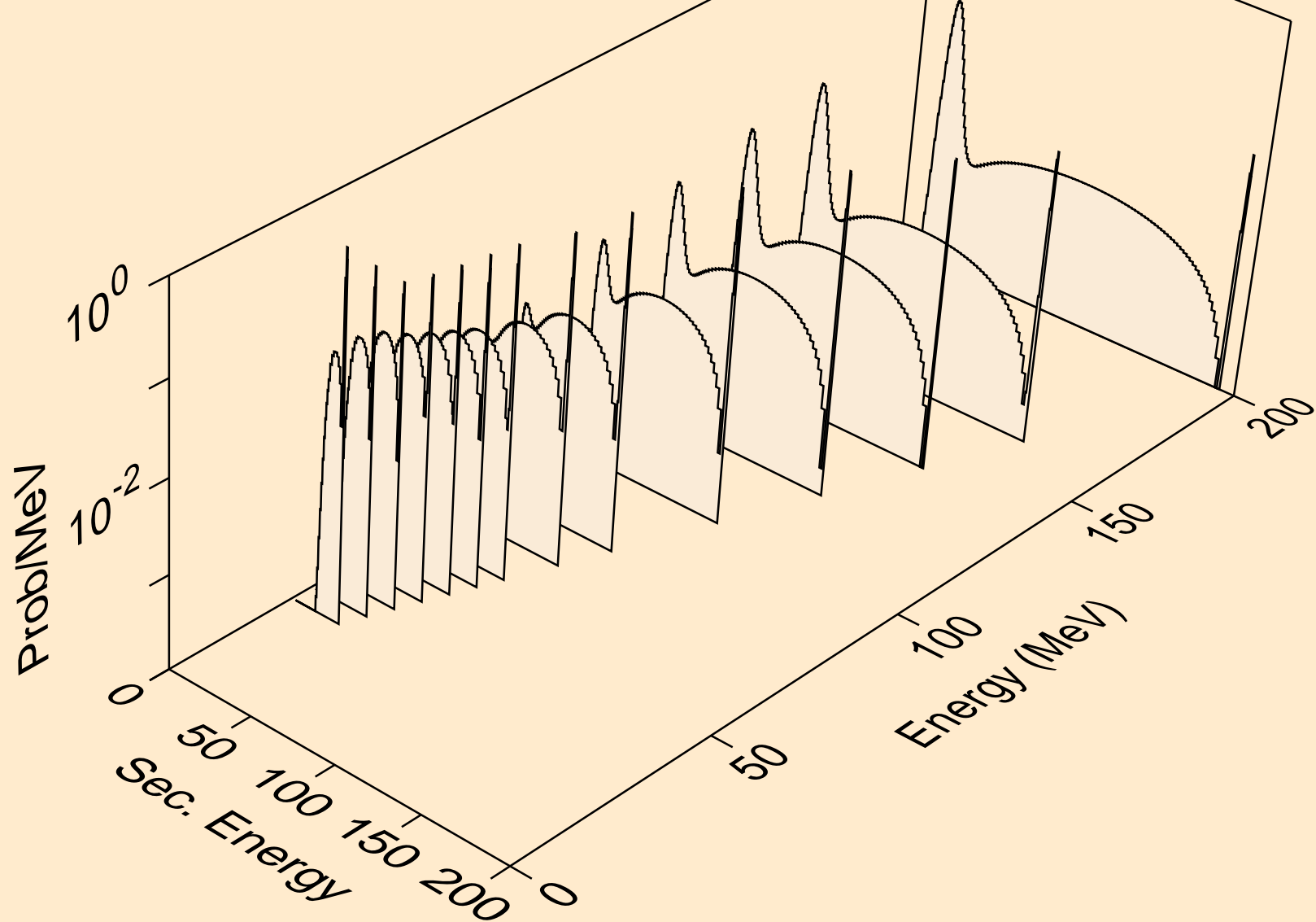
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



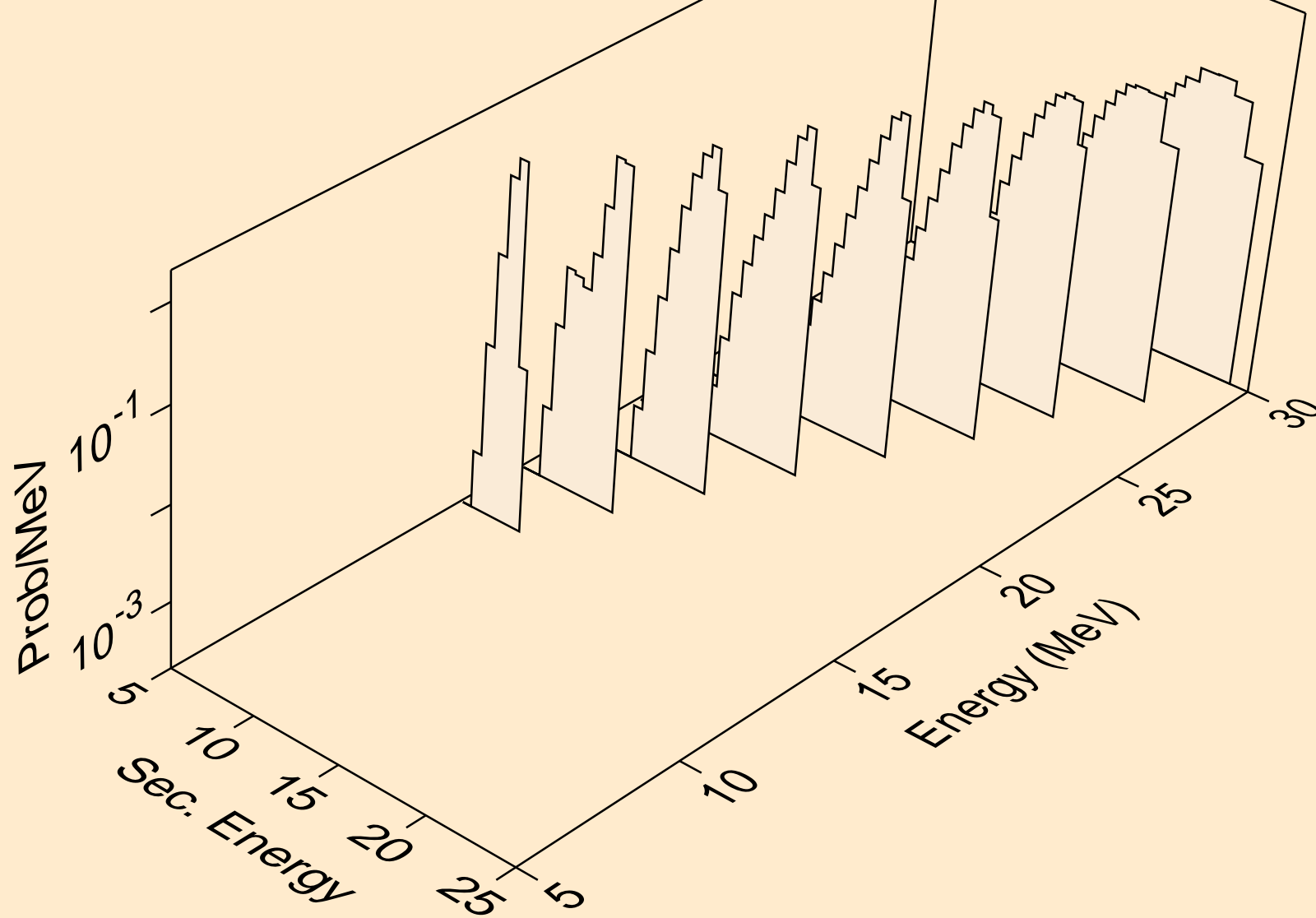
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



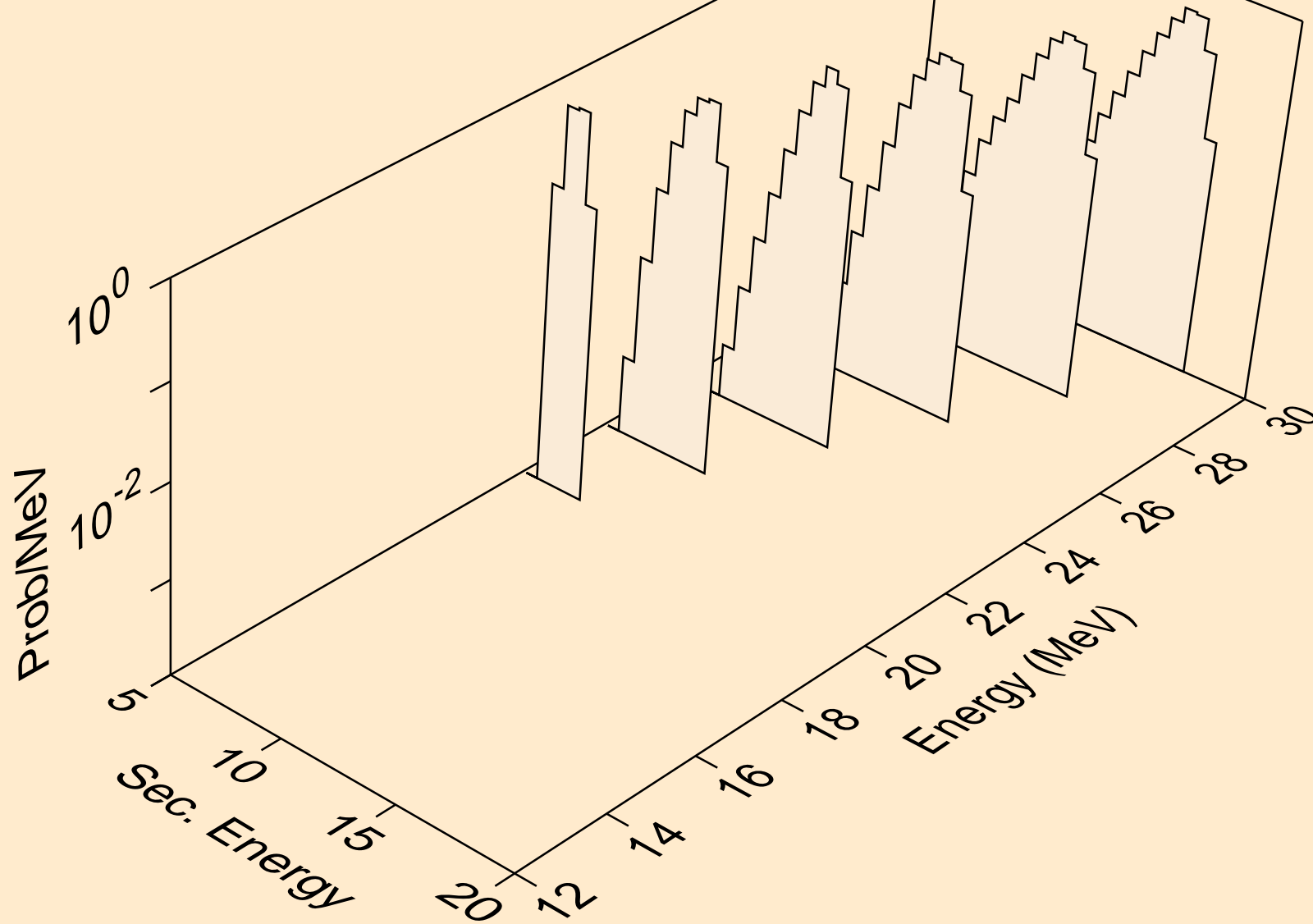
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)



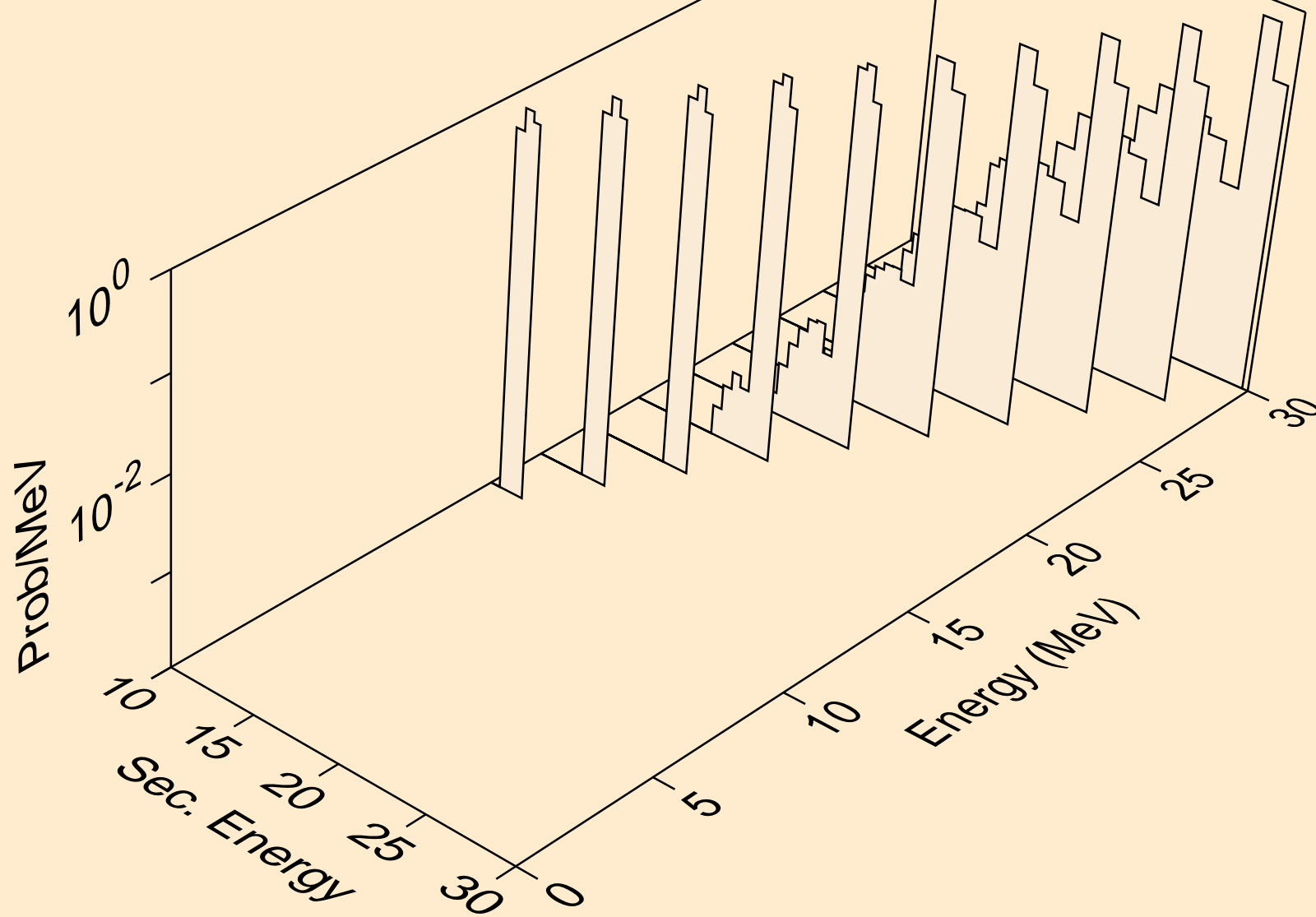
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



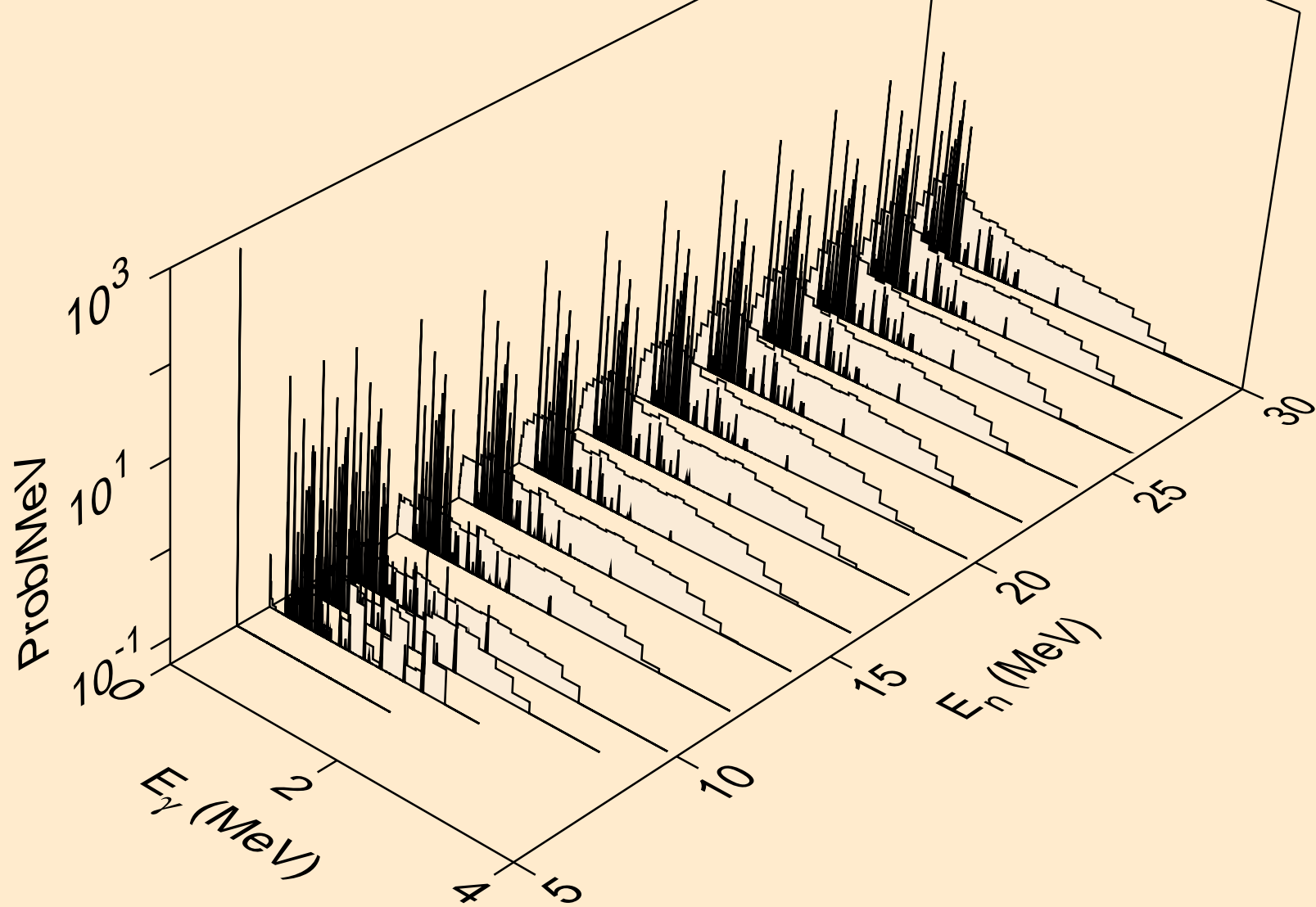
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



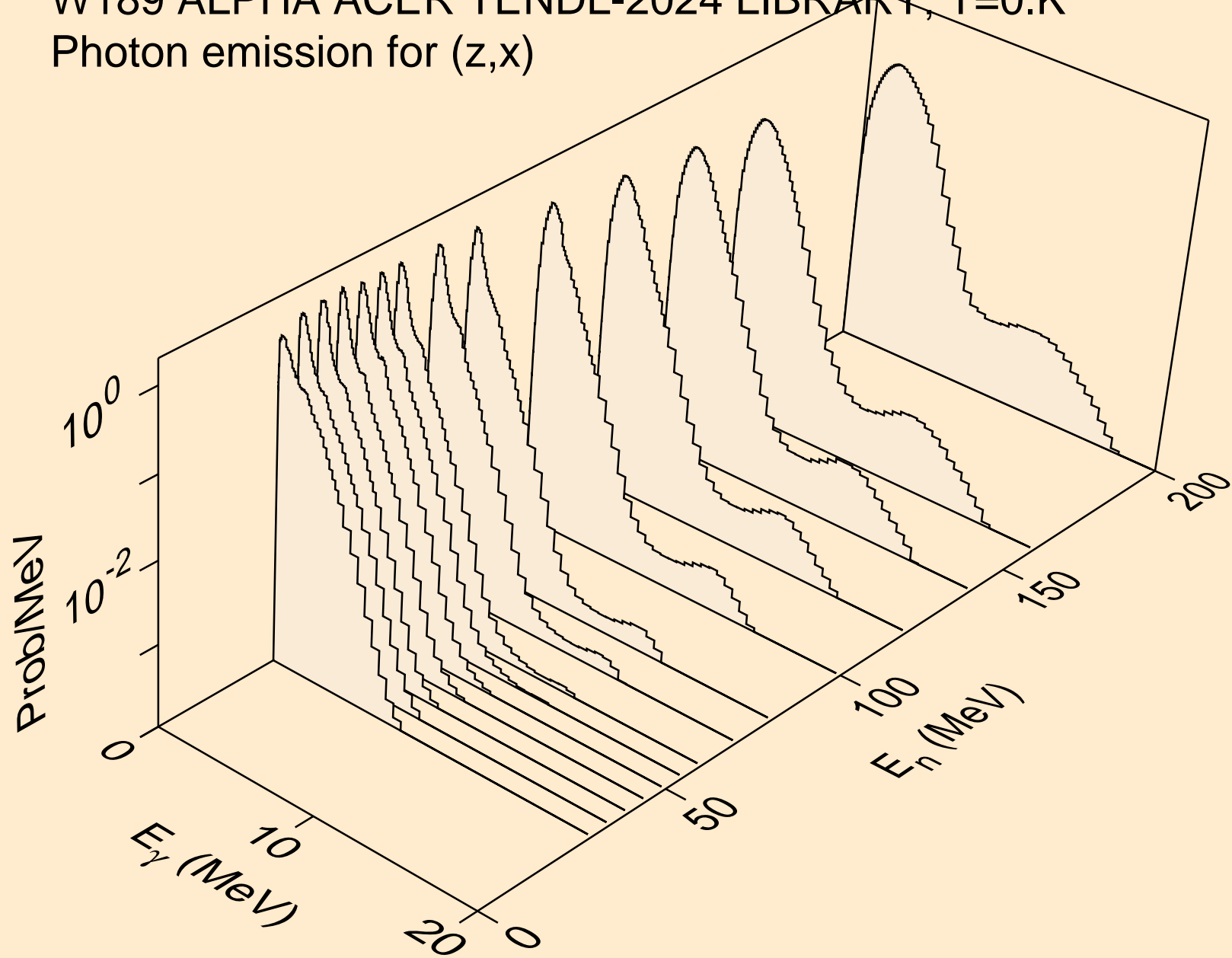
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for inelastic



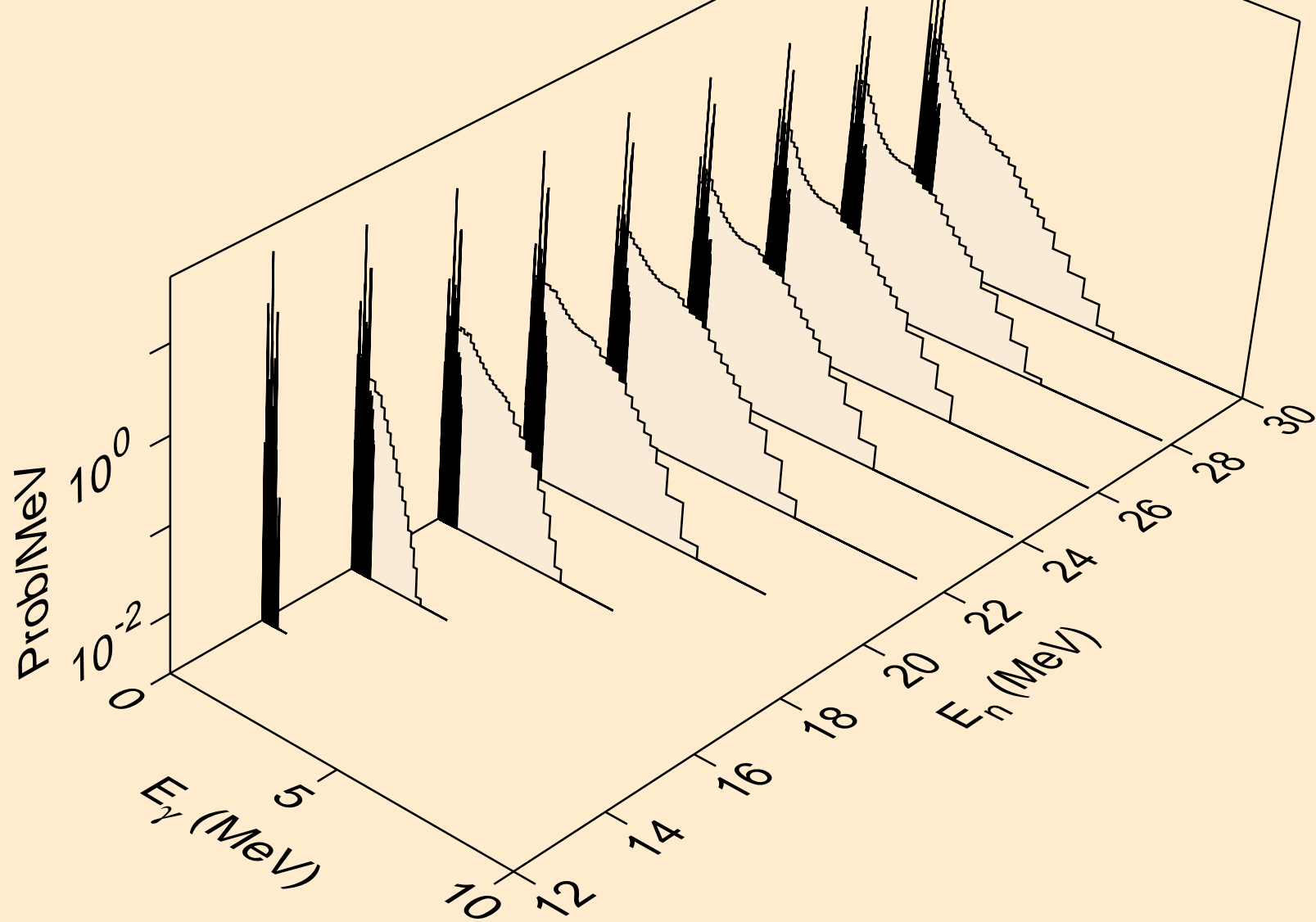
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



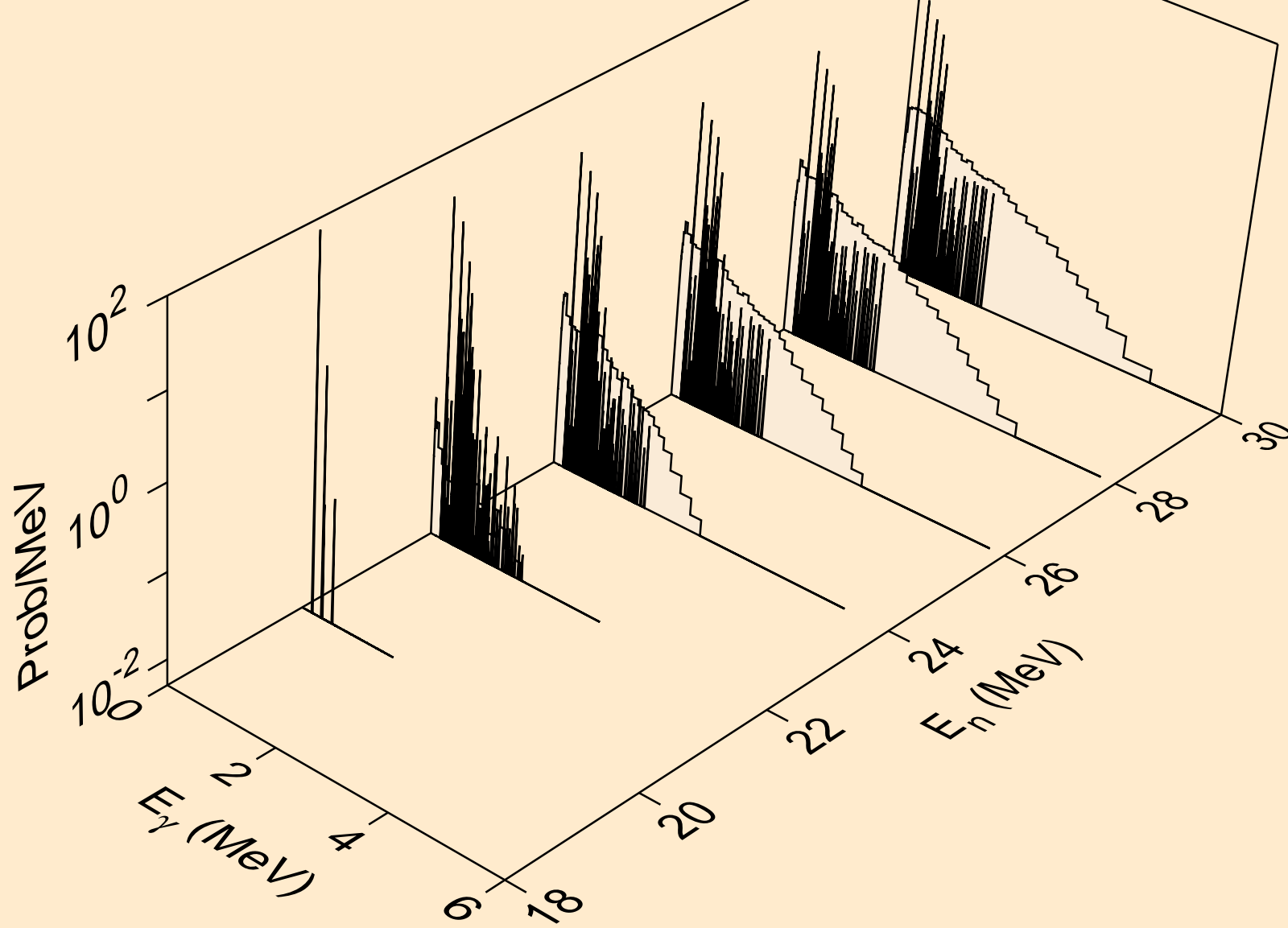
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



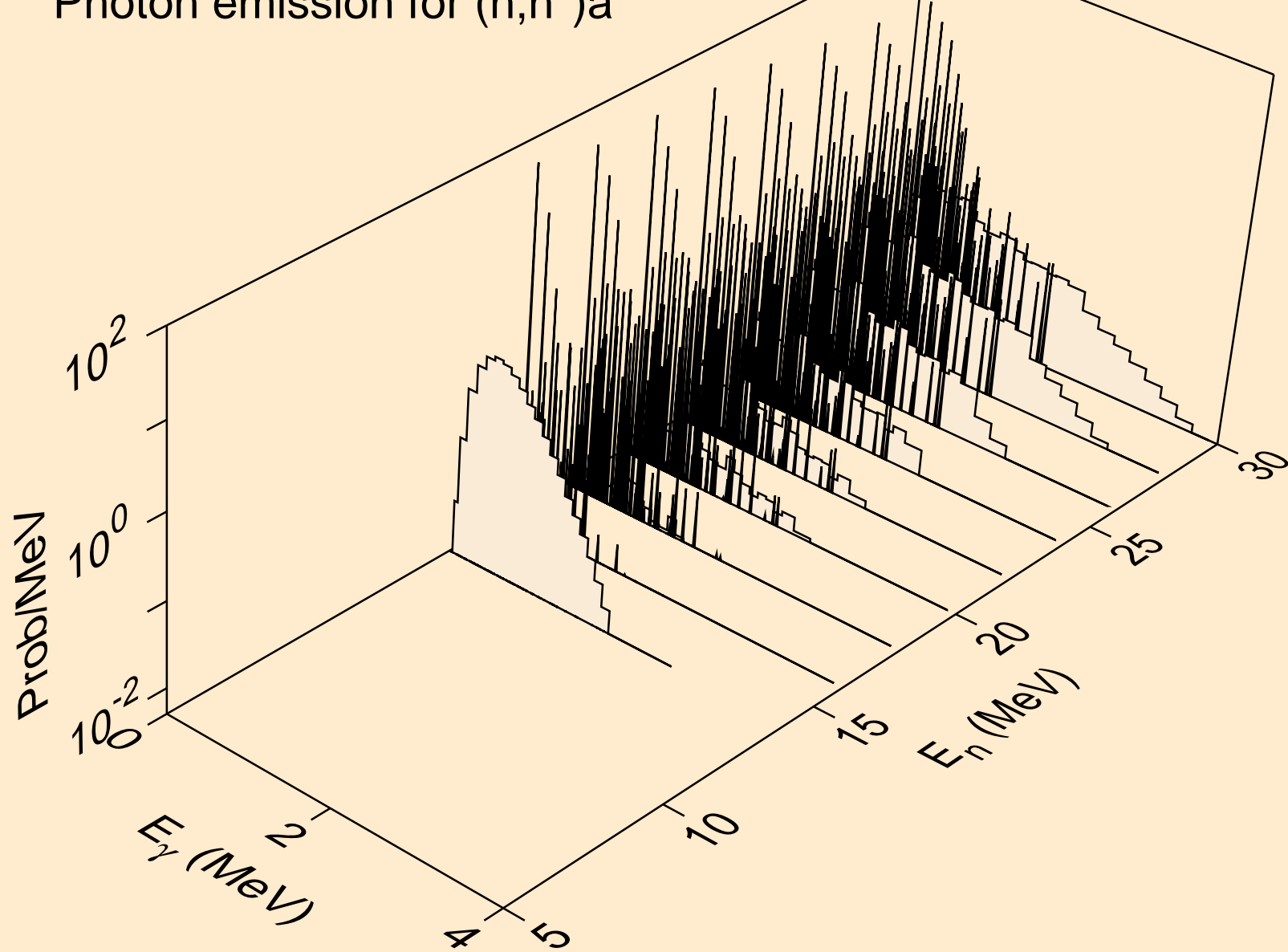
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

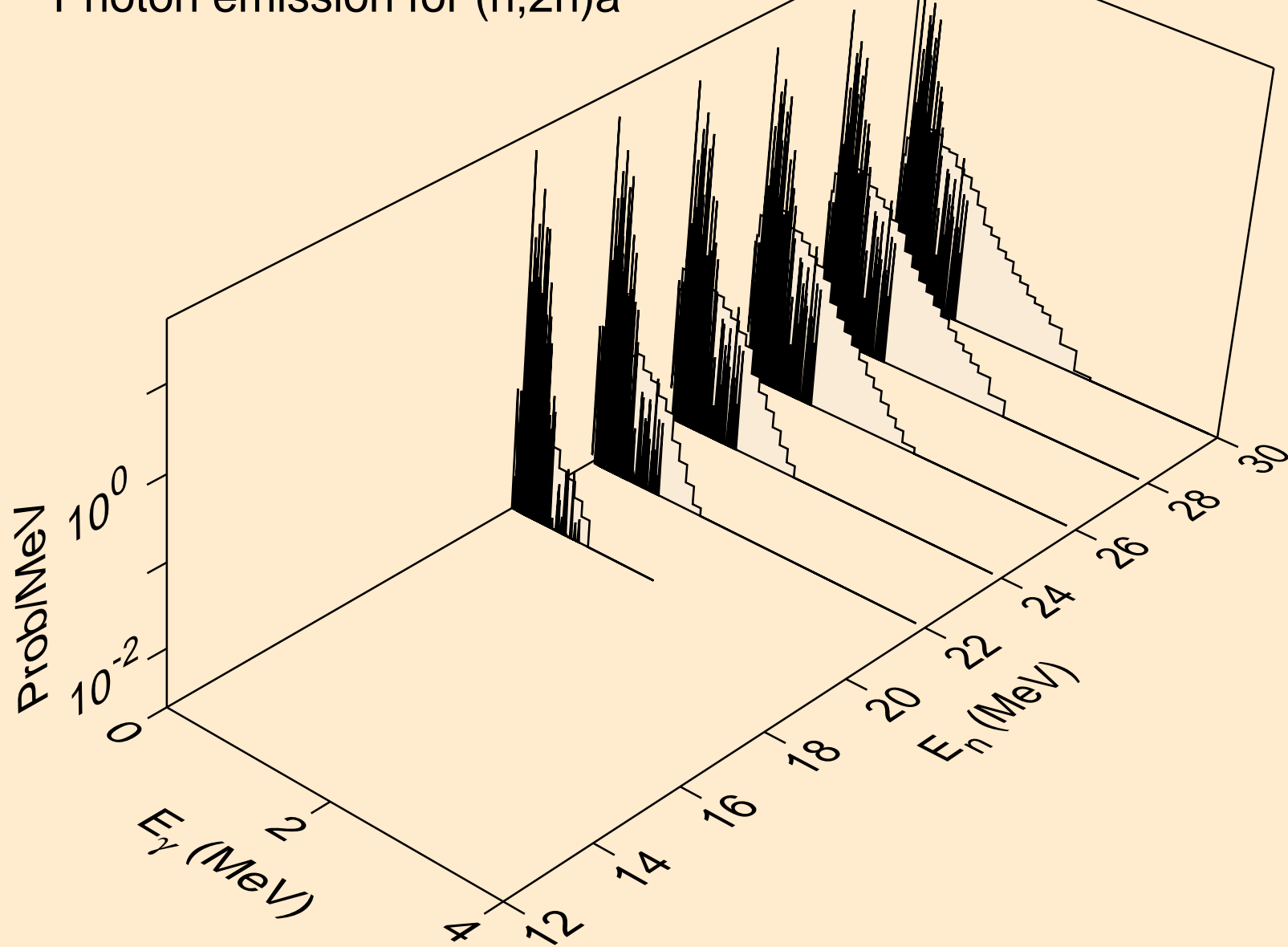


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



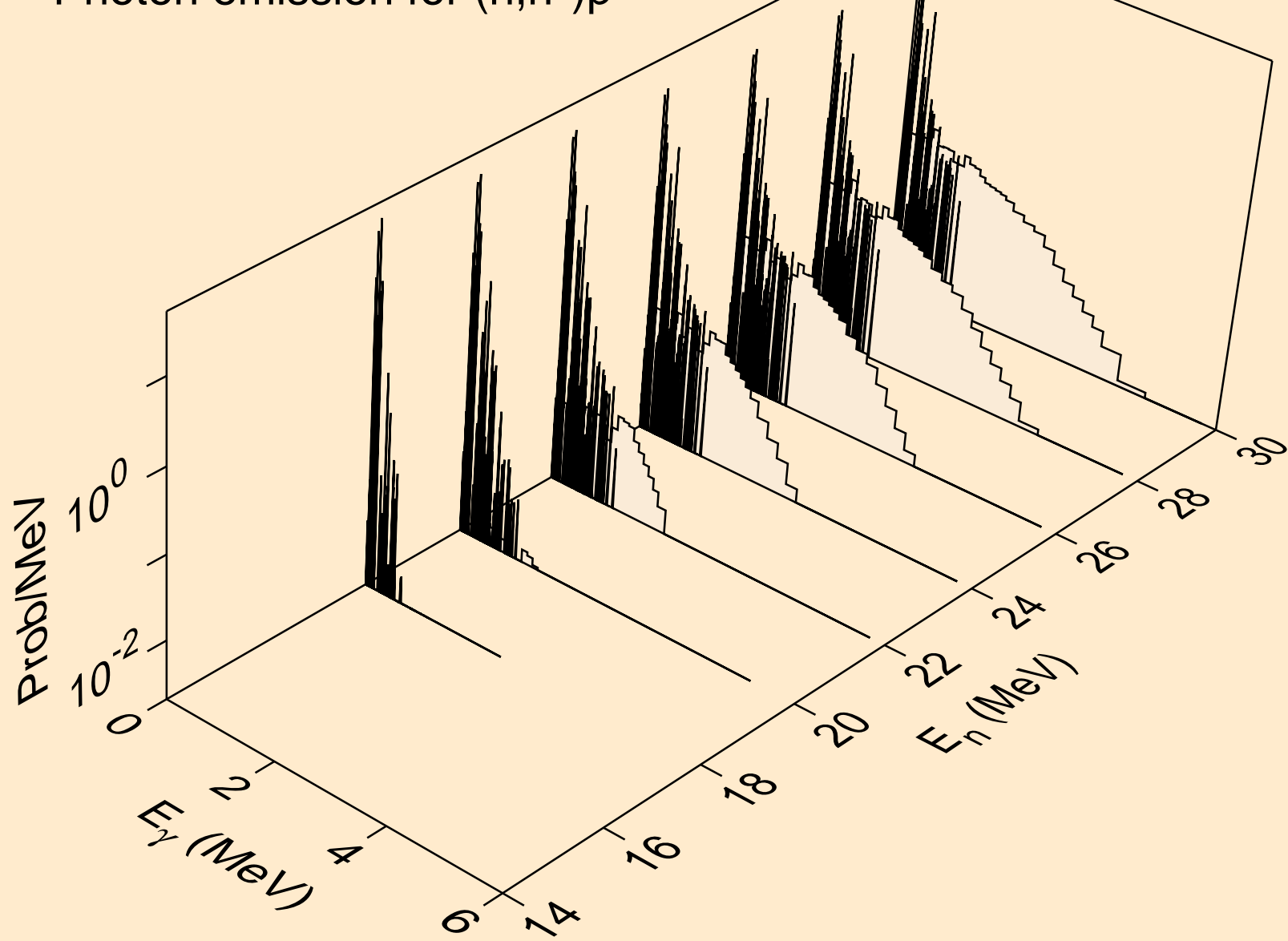
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$

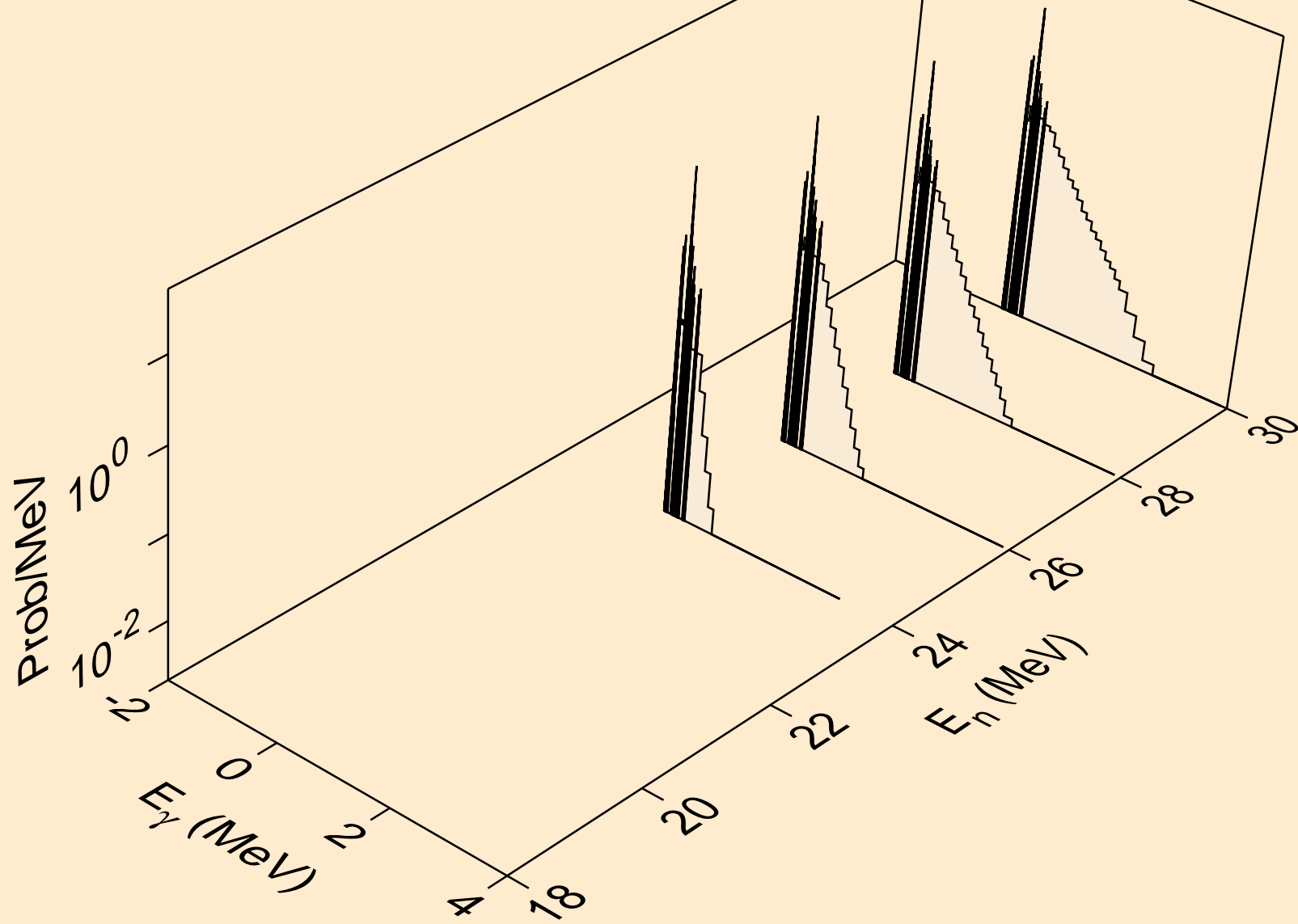


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

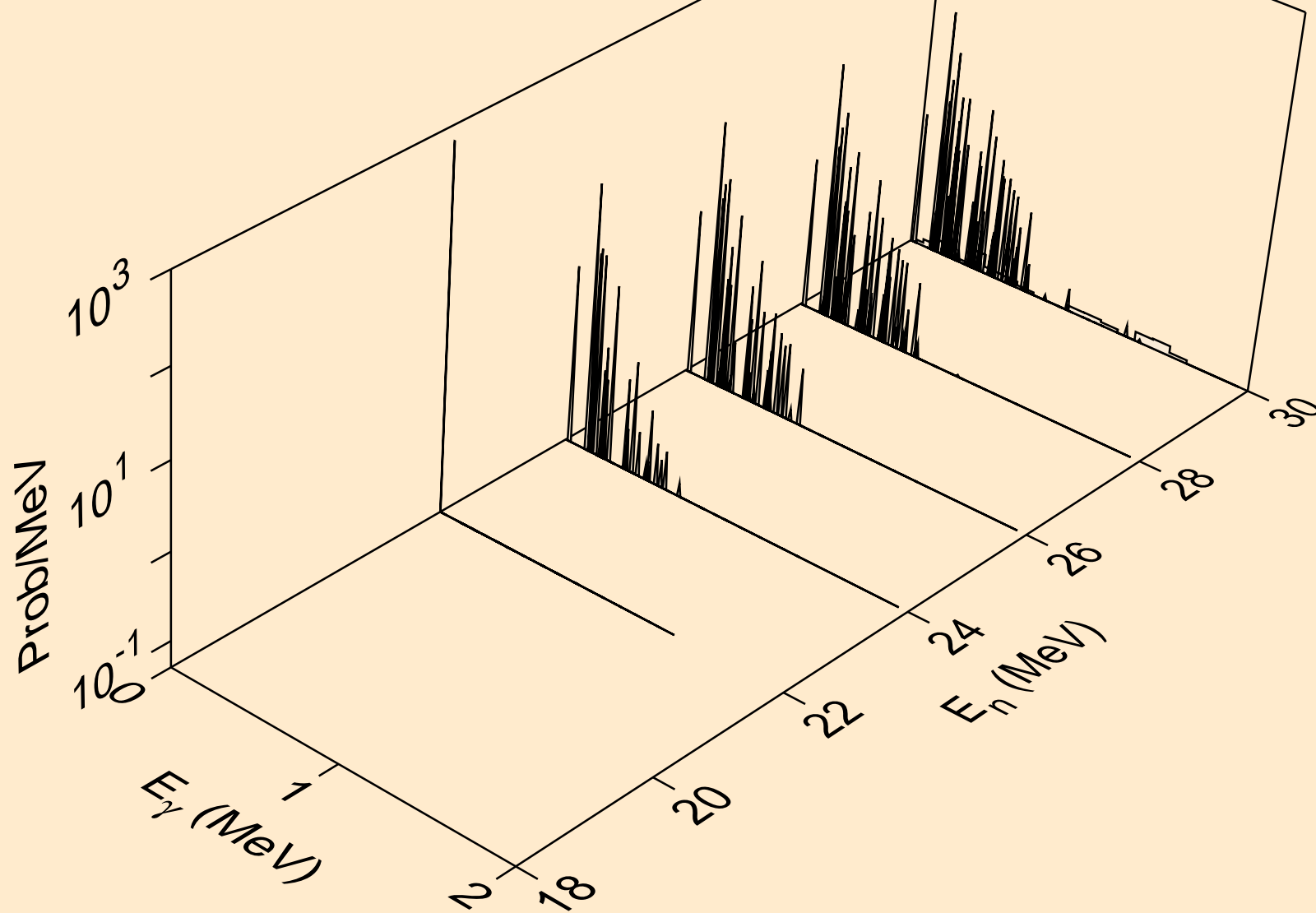
Photon emission for (n,n\*)p



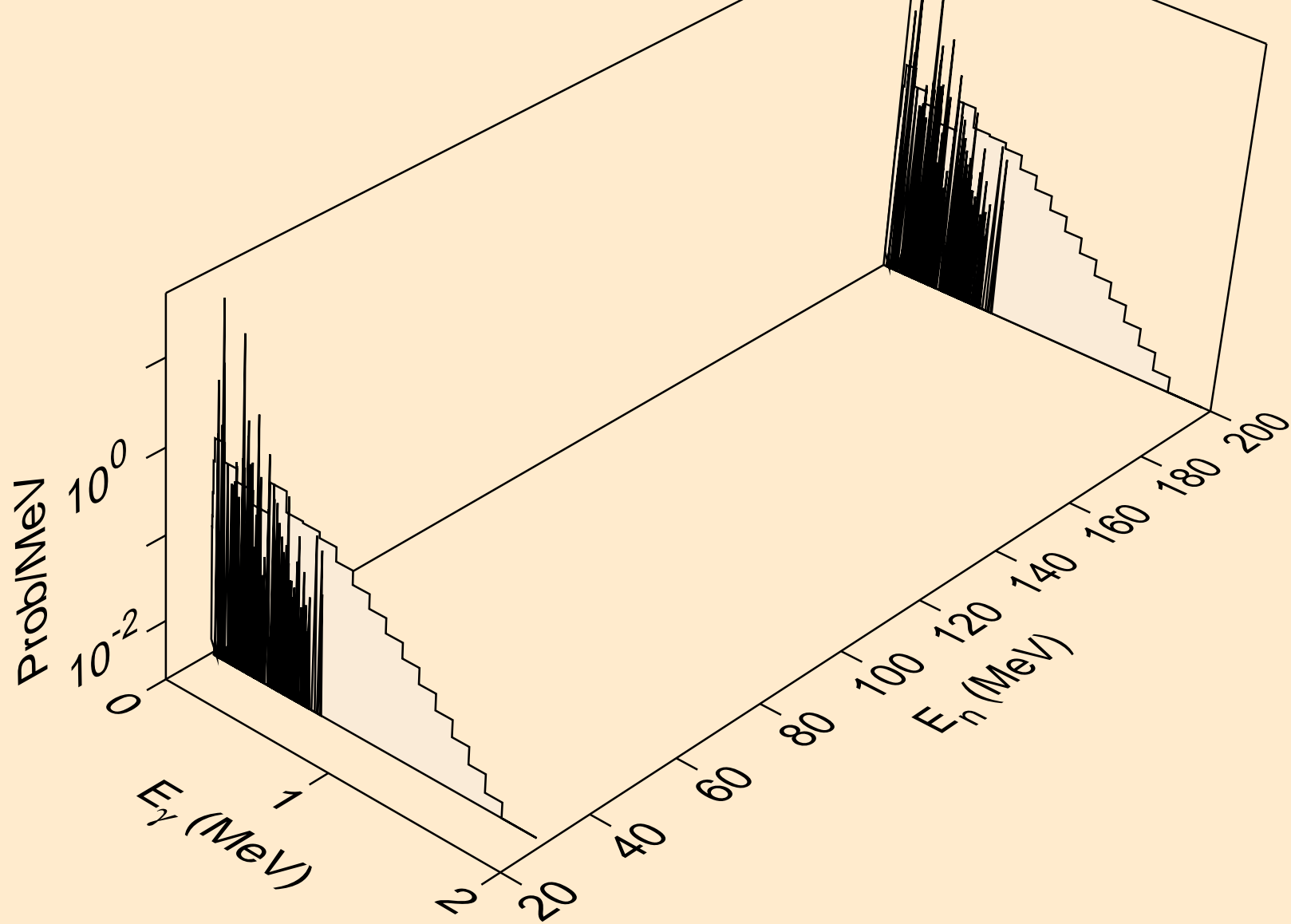
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



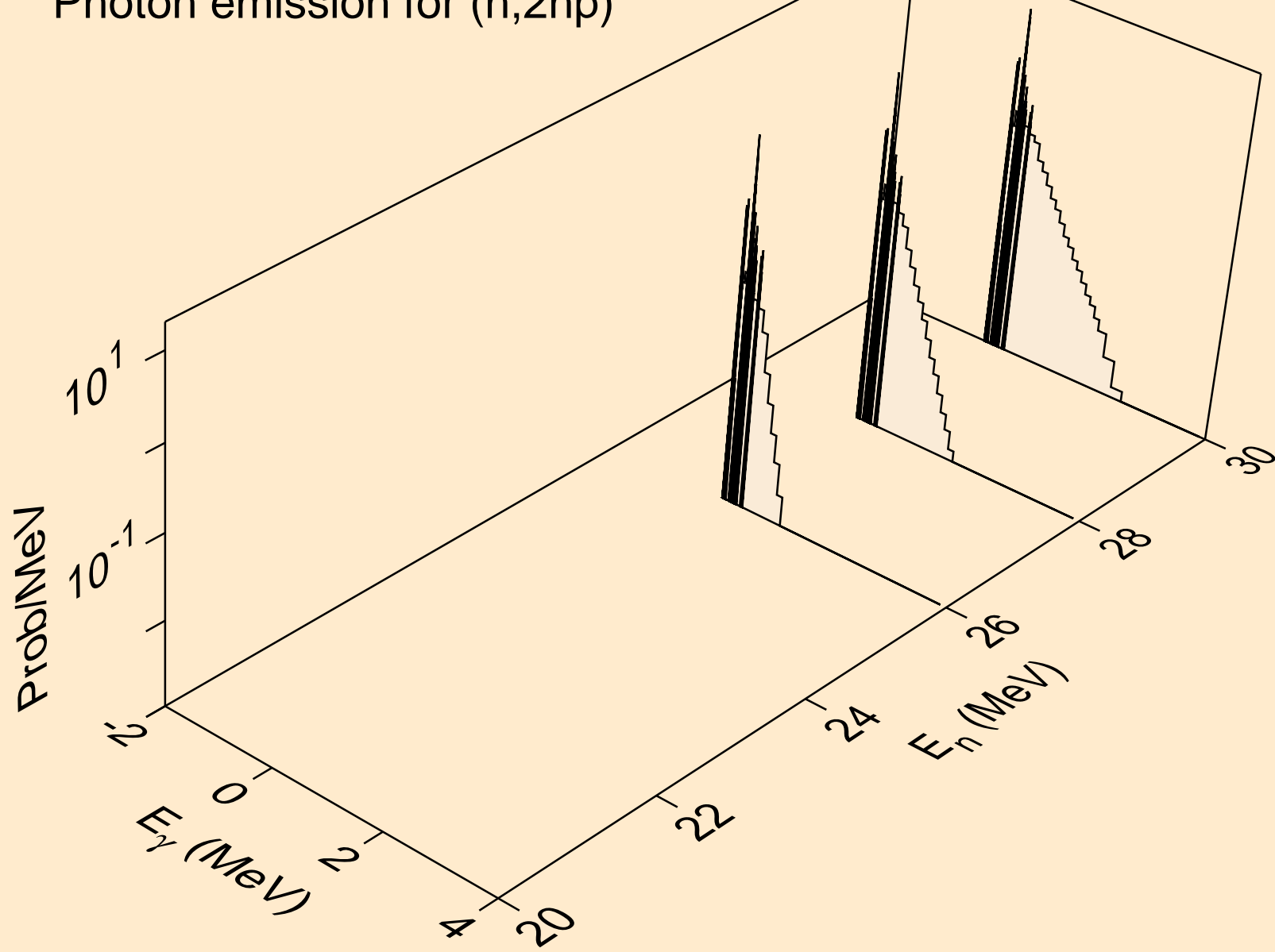
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



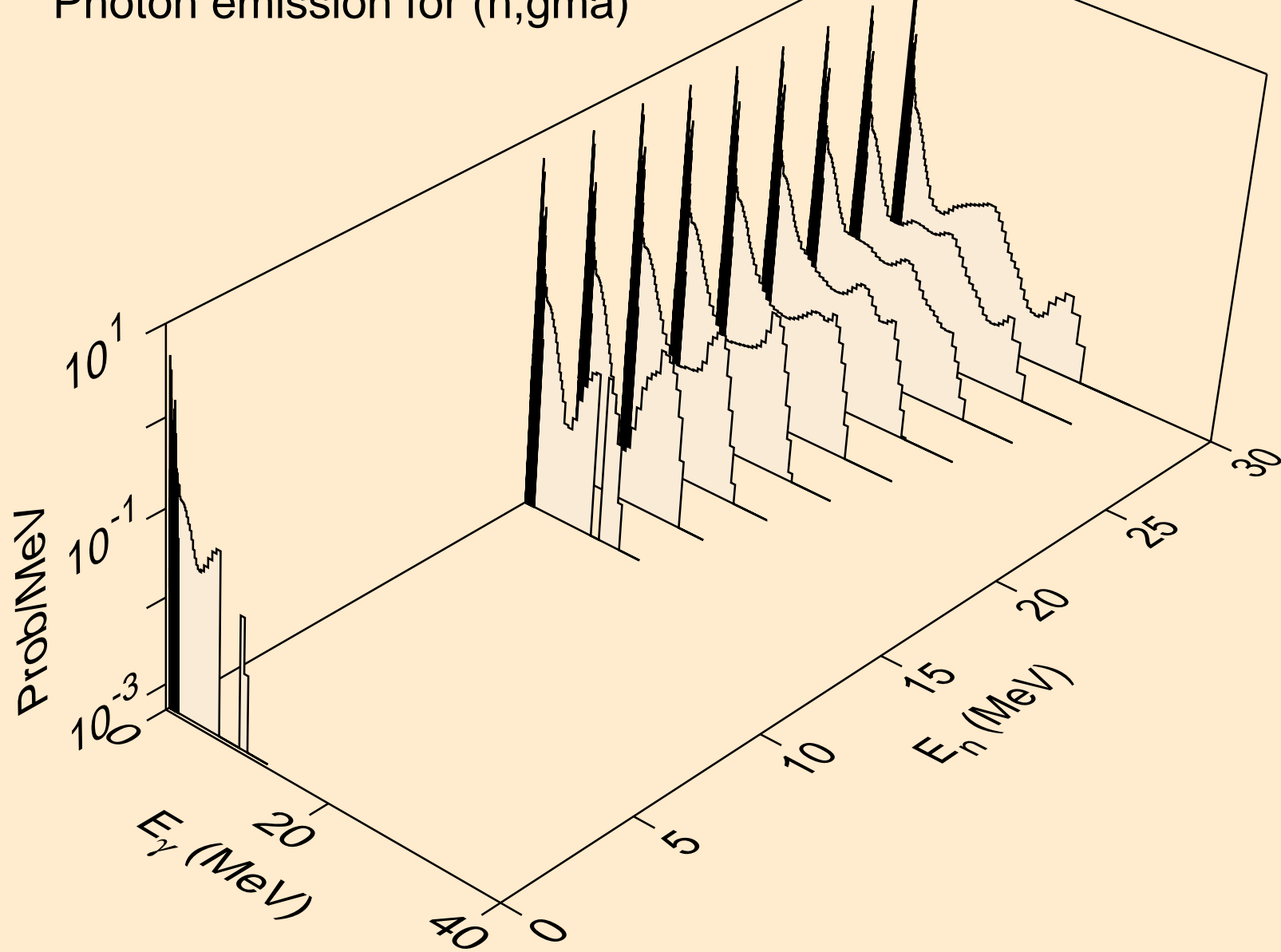
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



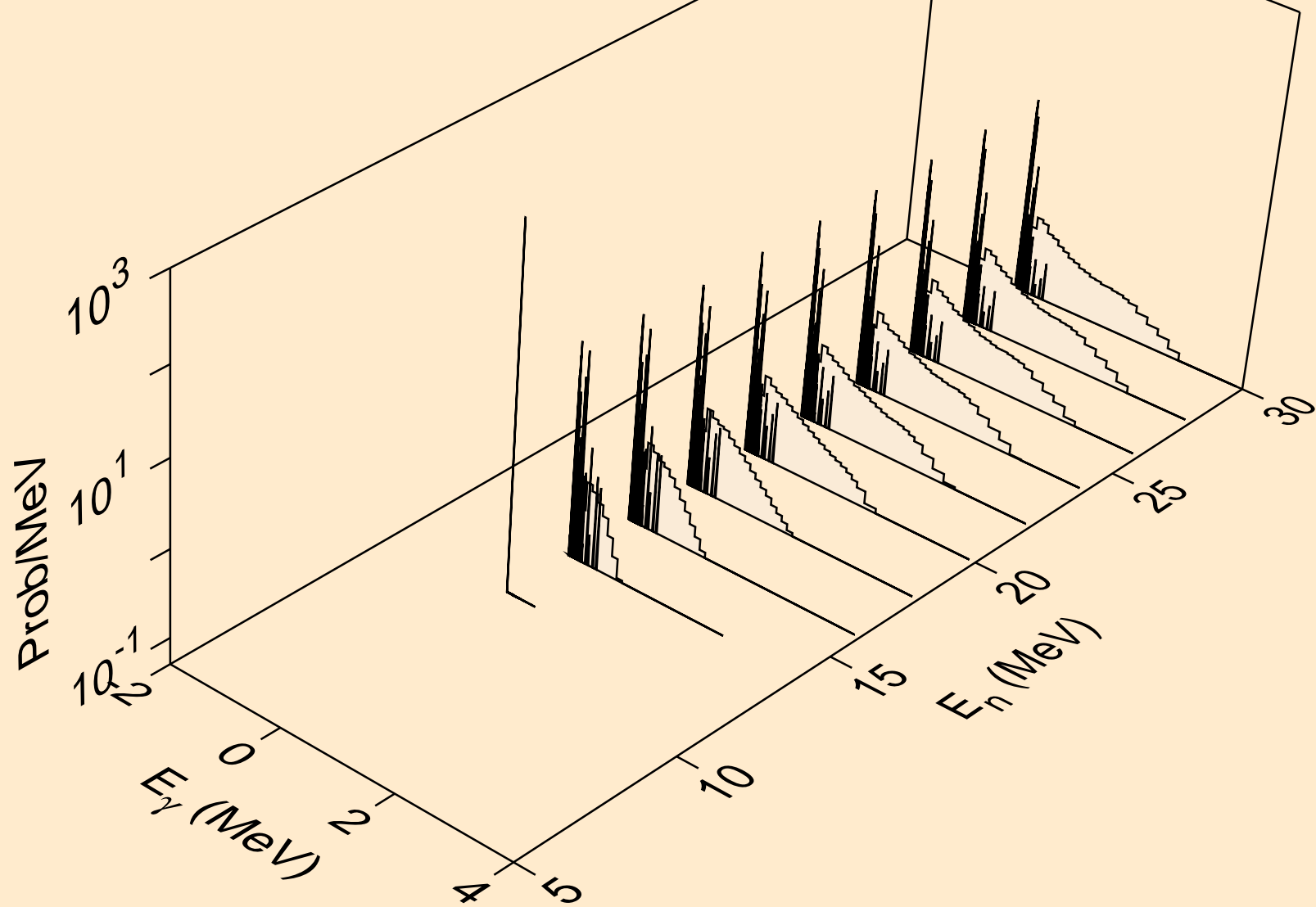
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



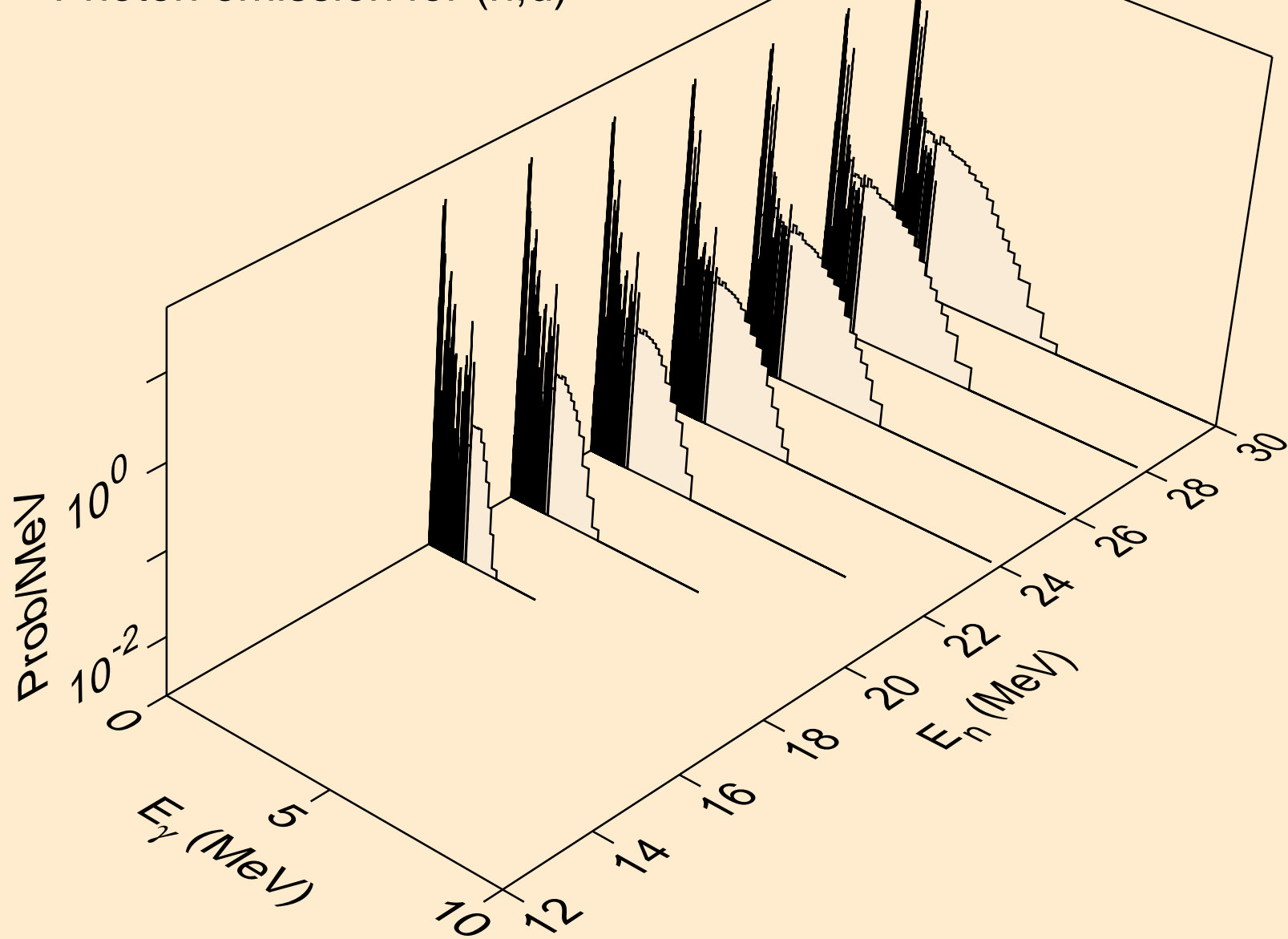
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



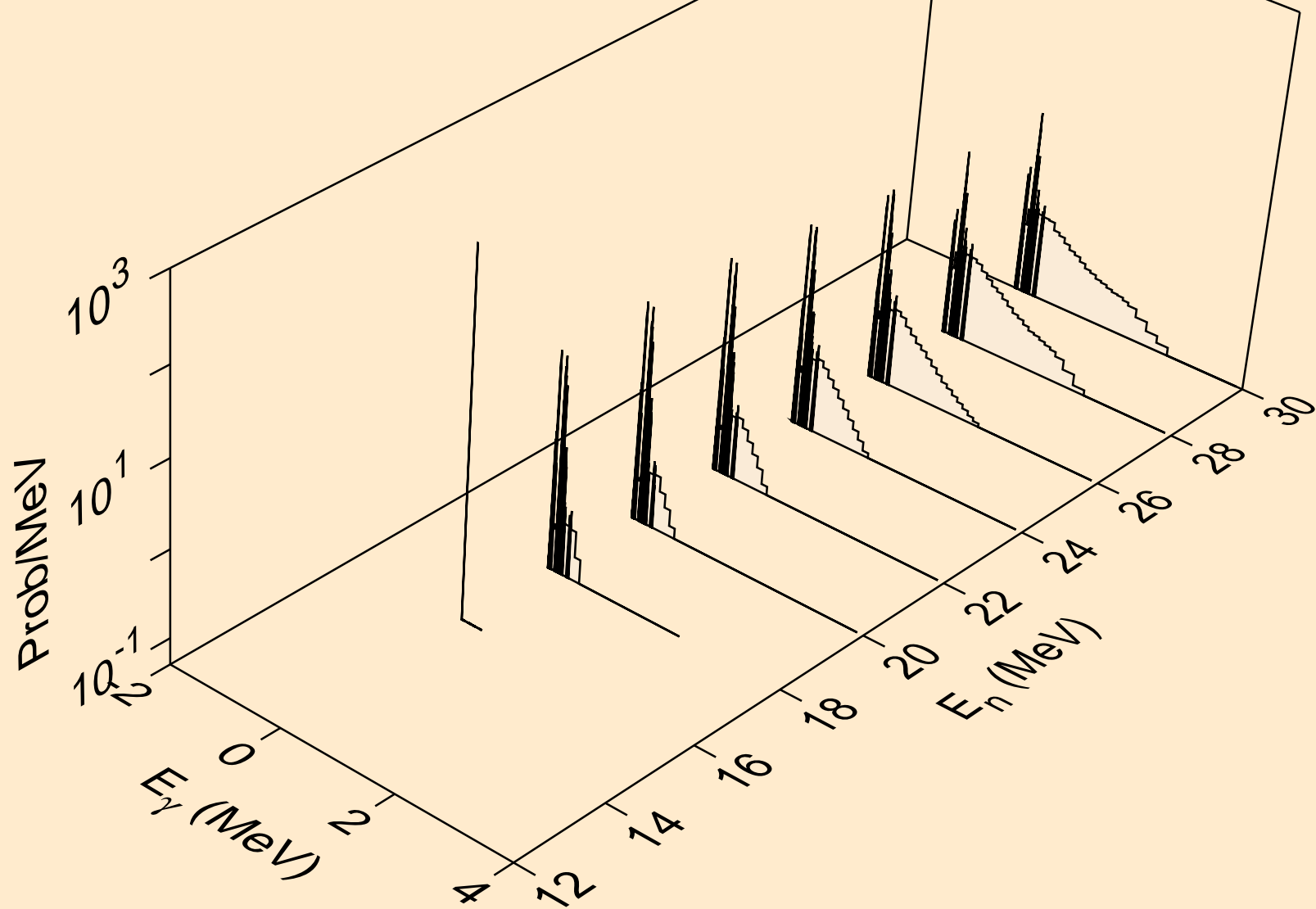
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Photon emission for (n,p)



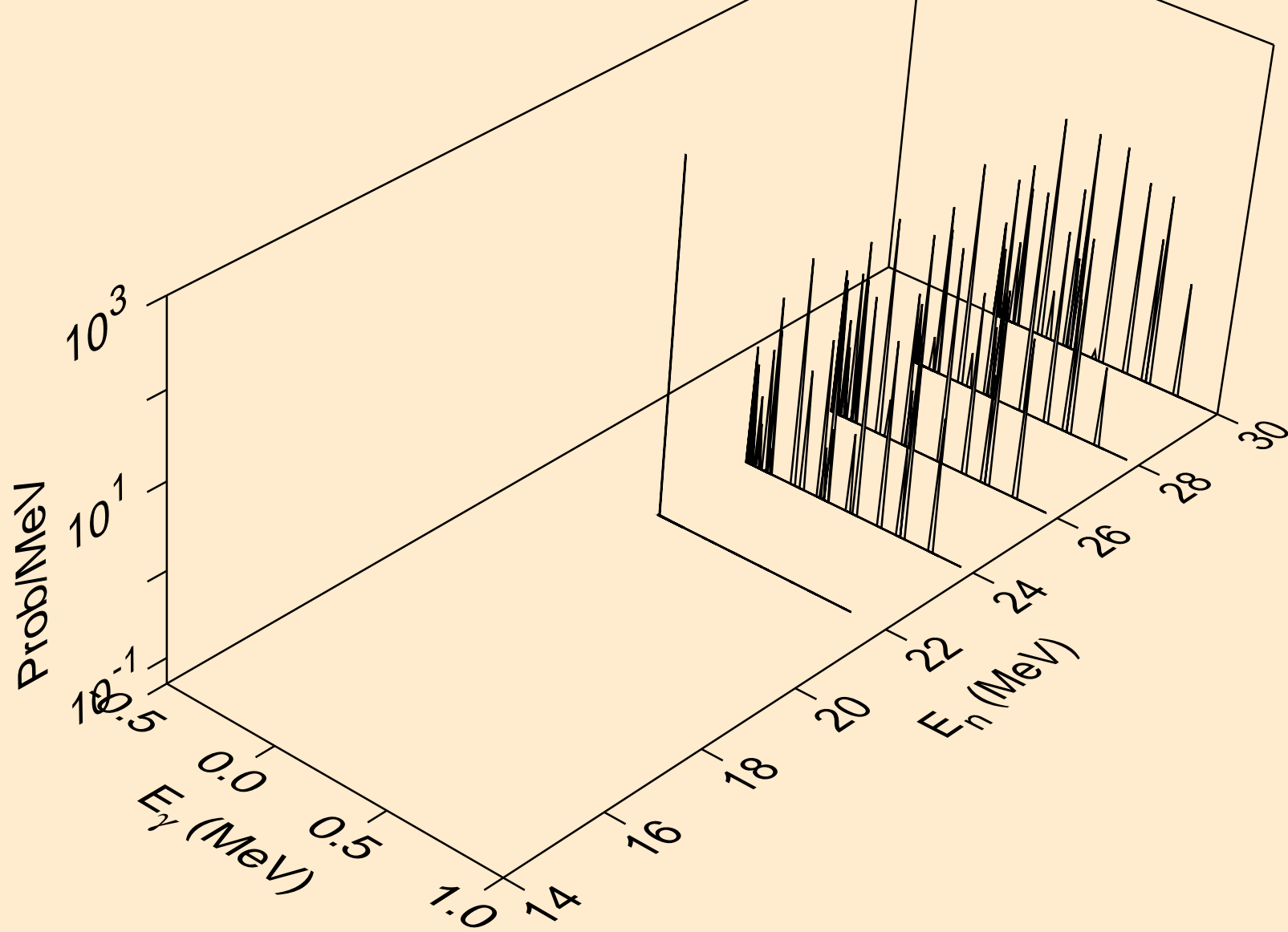
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



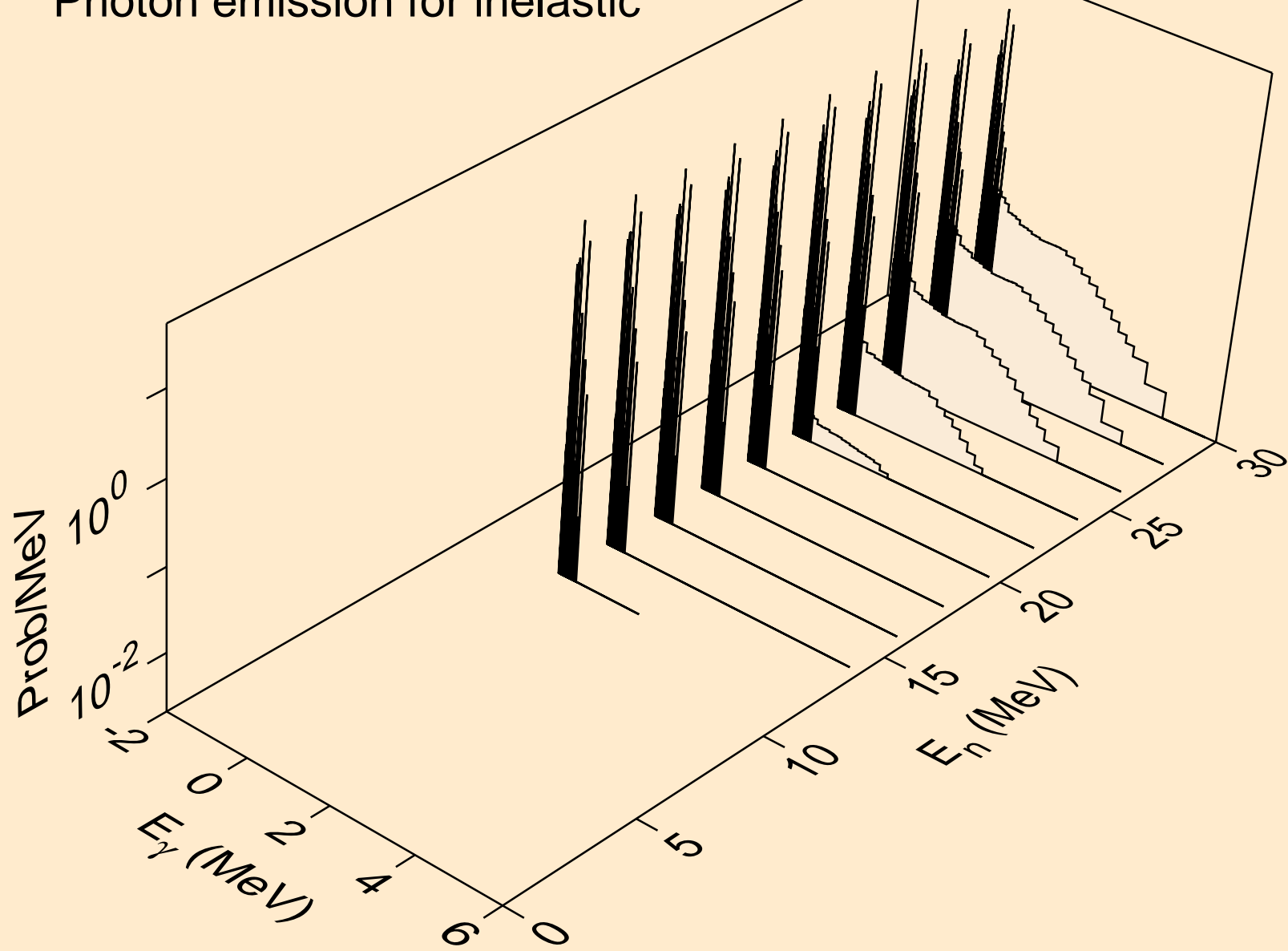
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



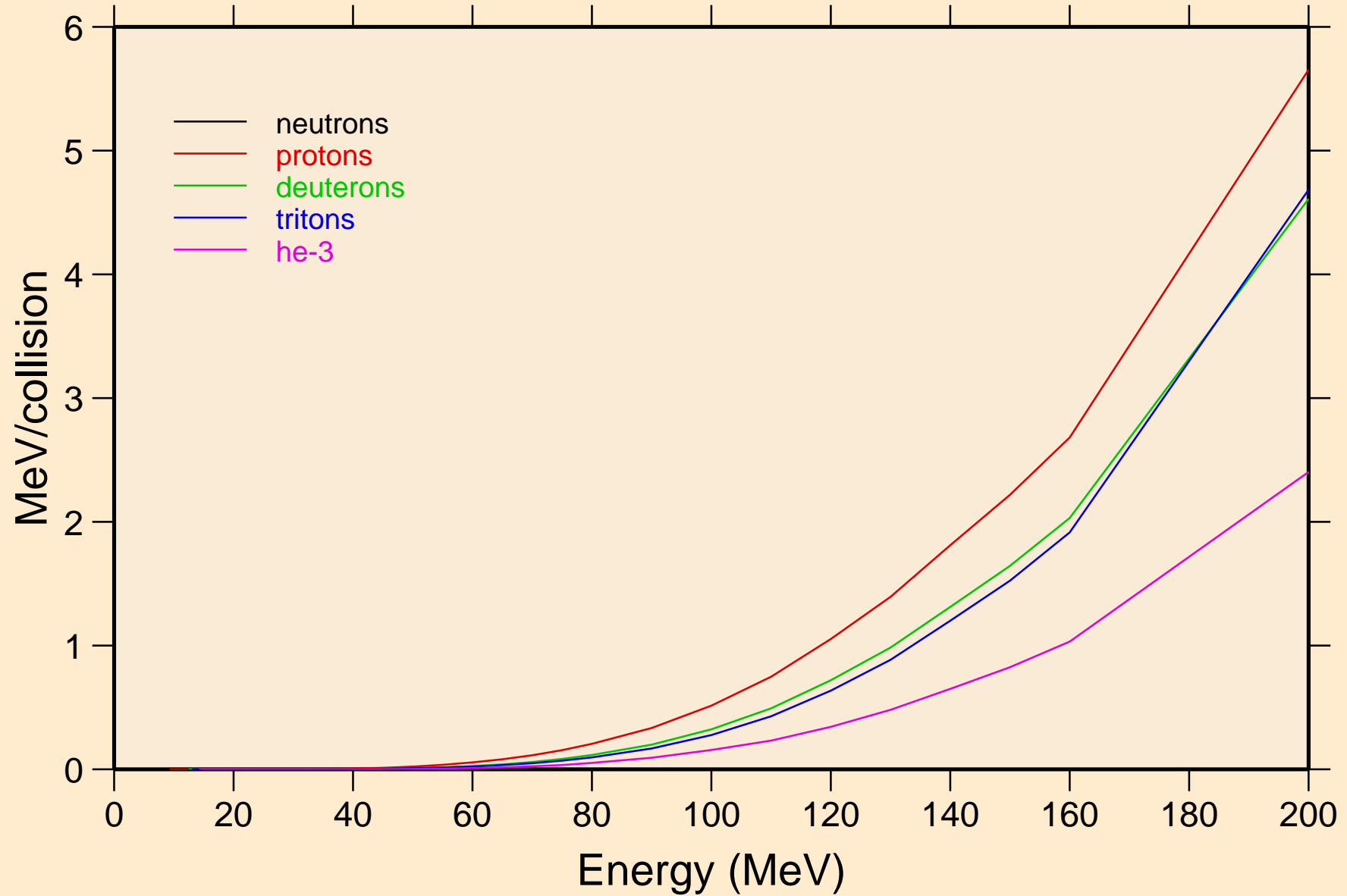
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic

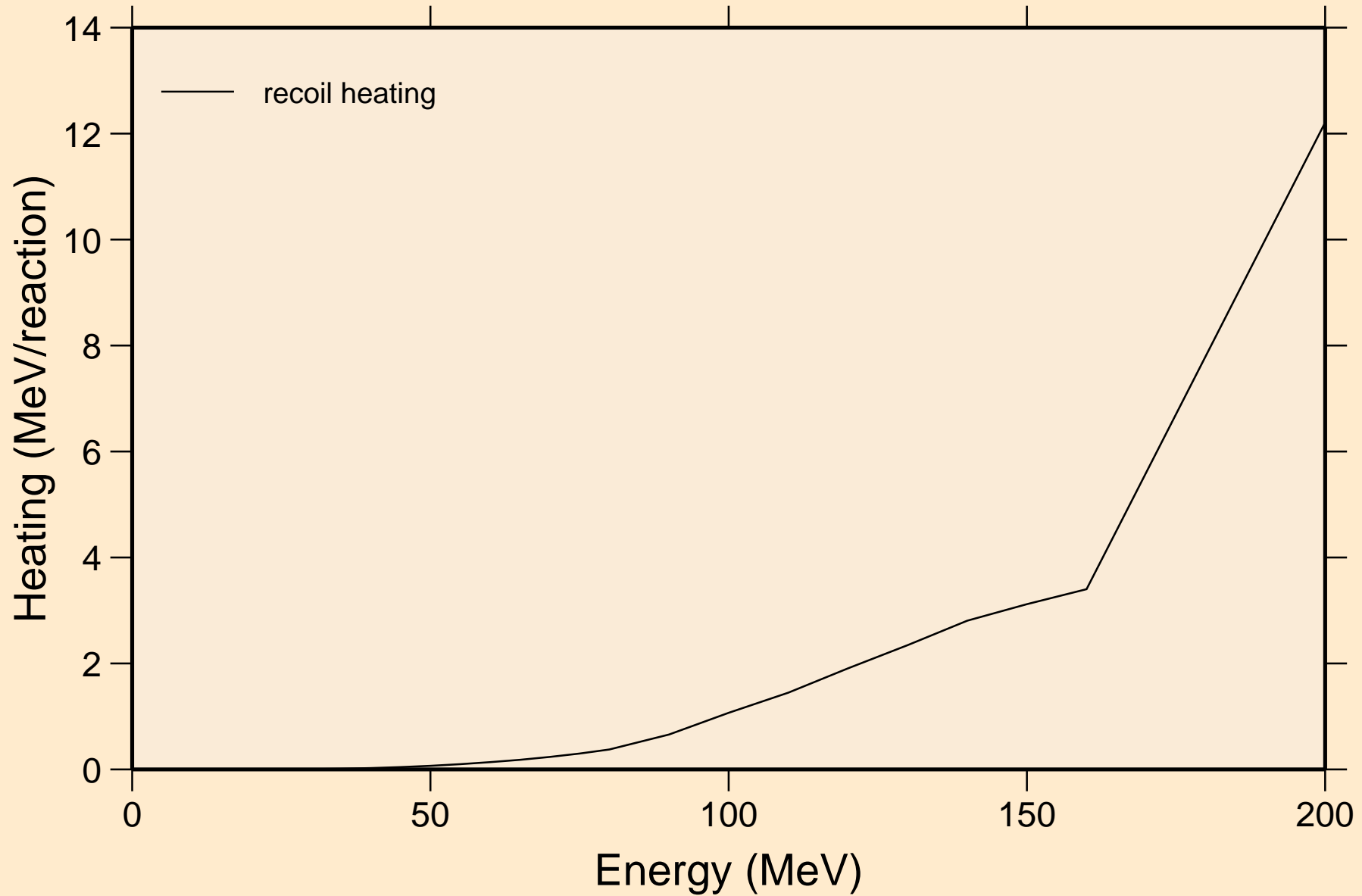


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

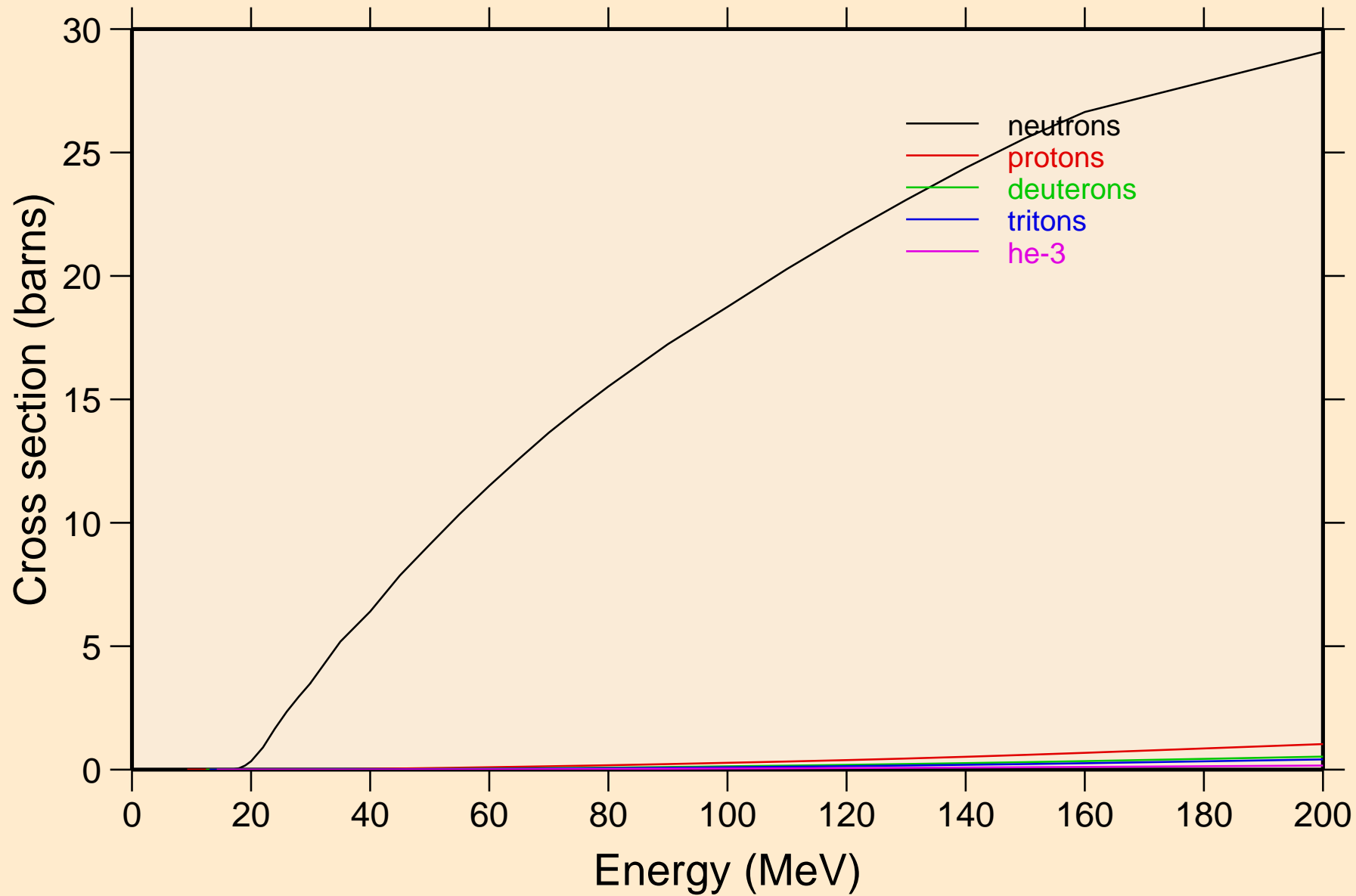


W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

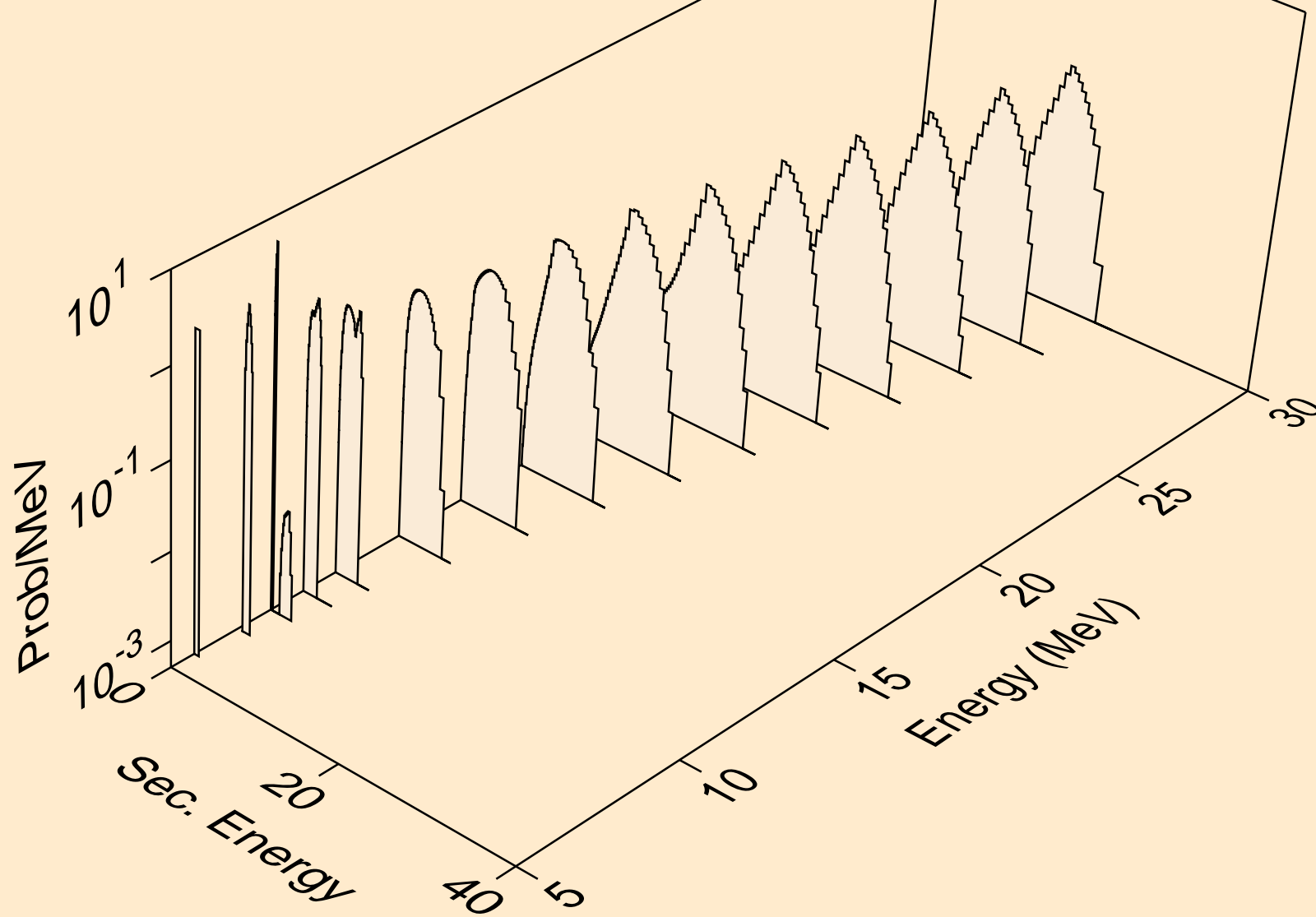
### Recoil Heating



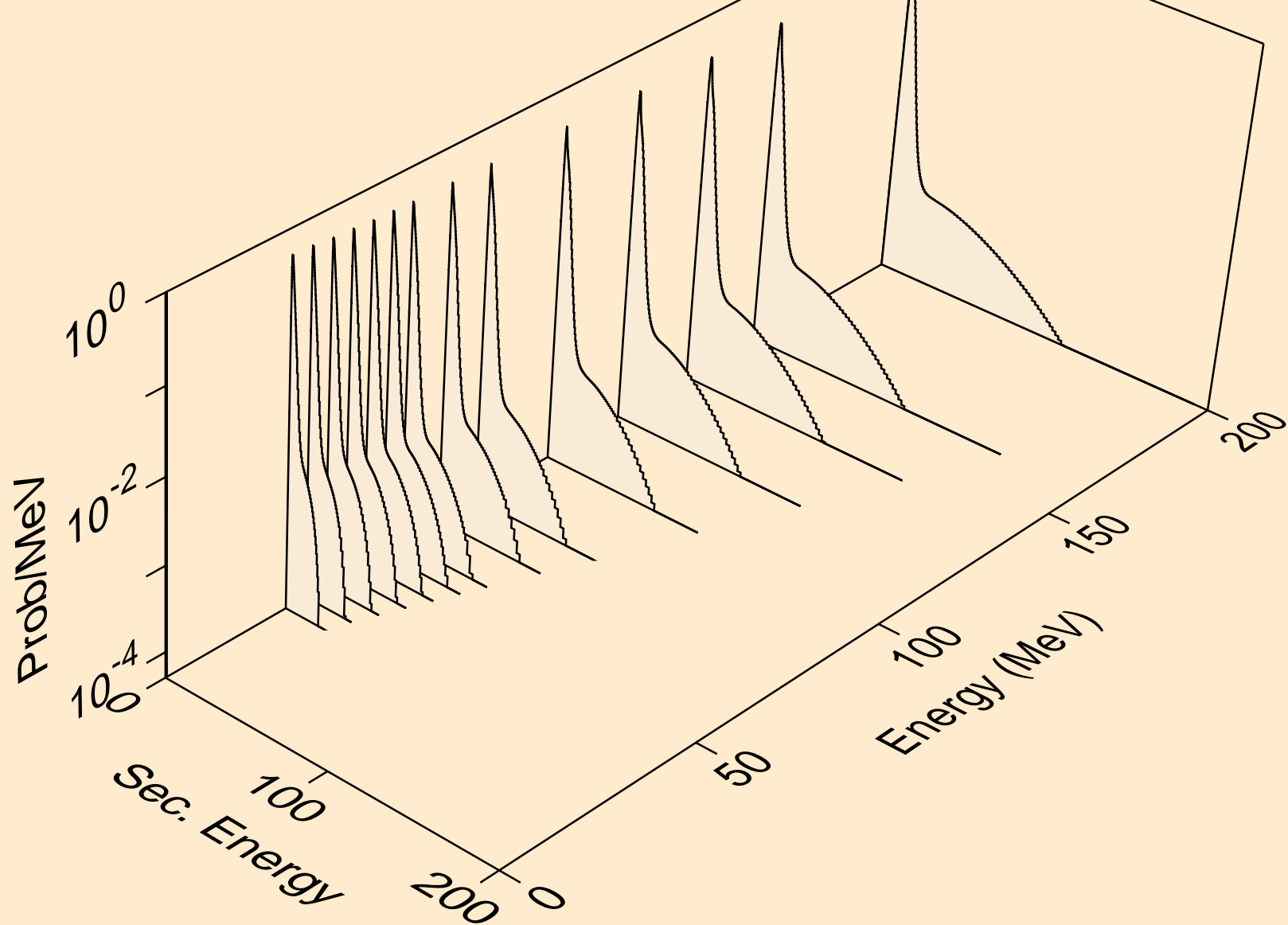
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



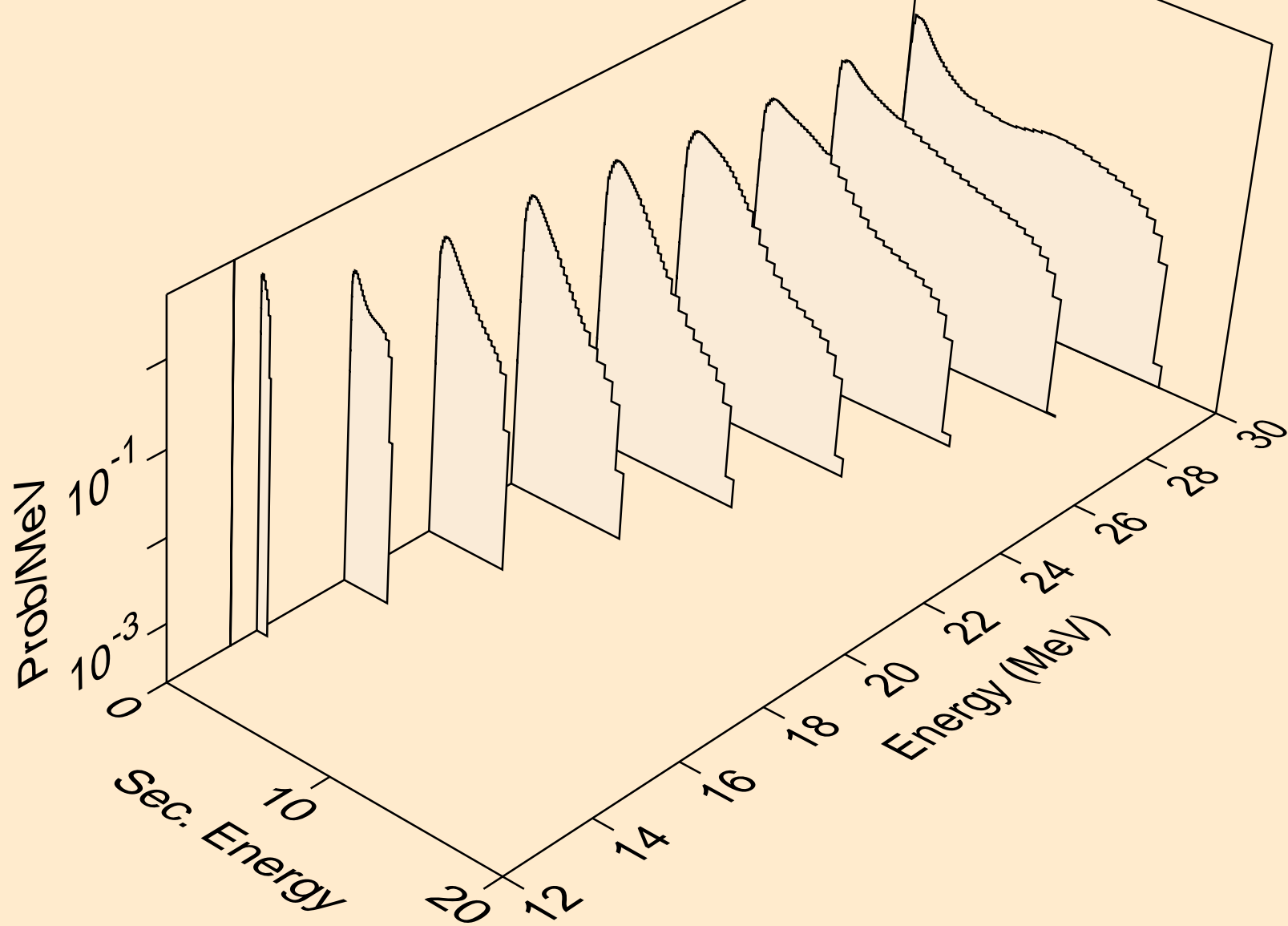
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



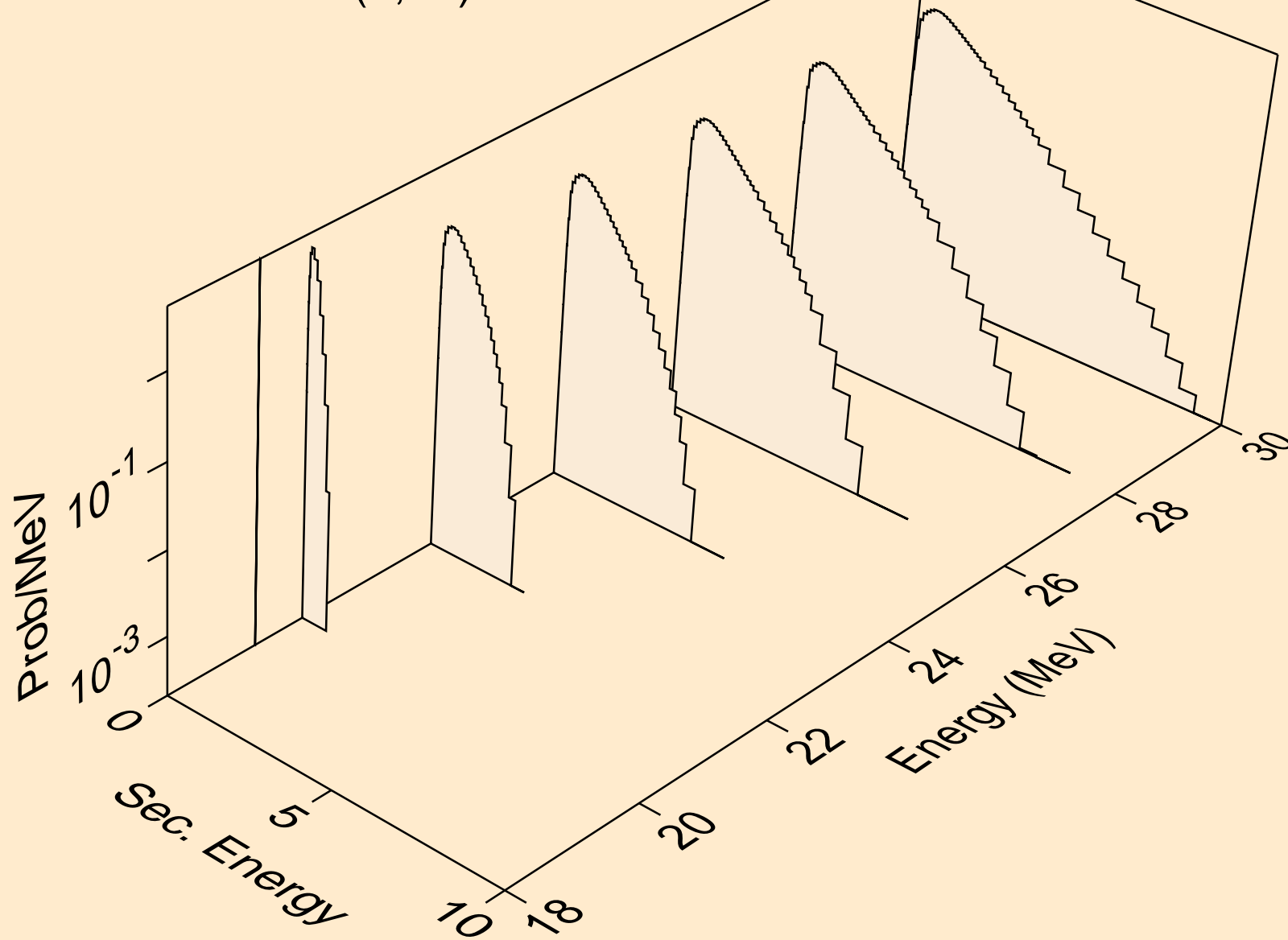
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



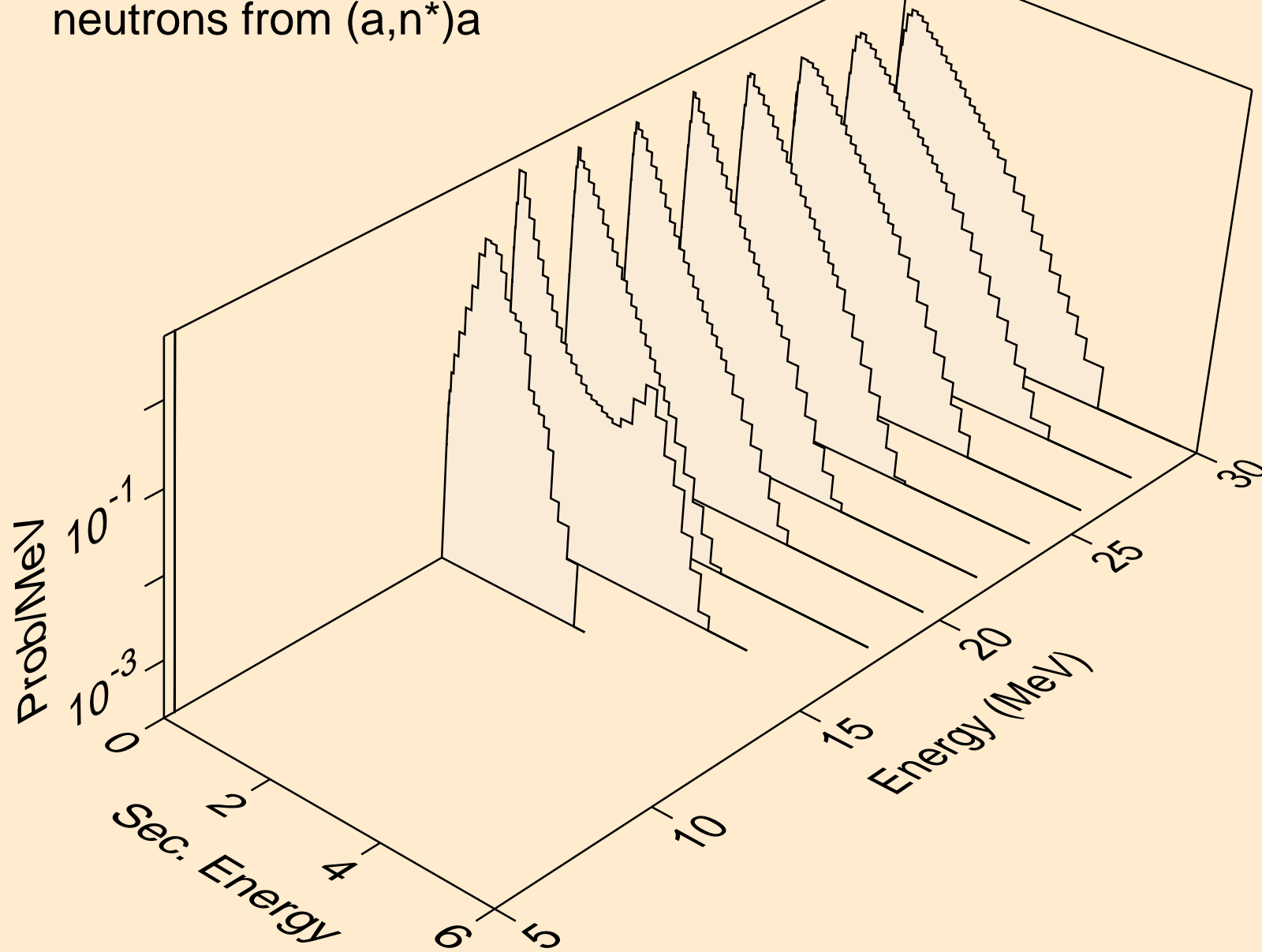
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



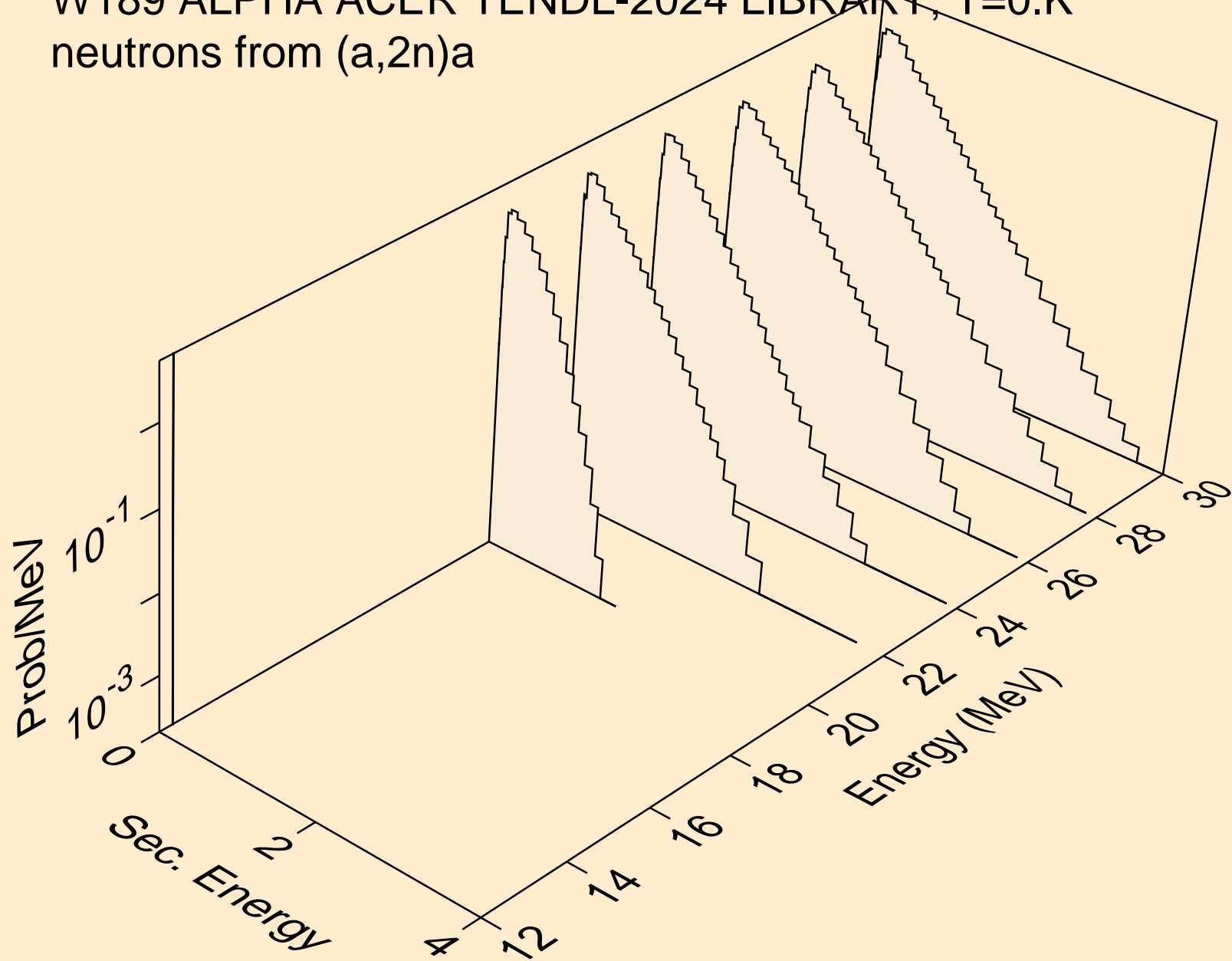
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,3n)



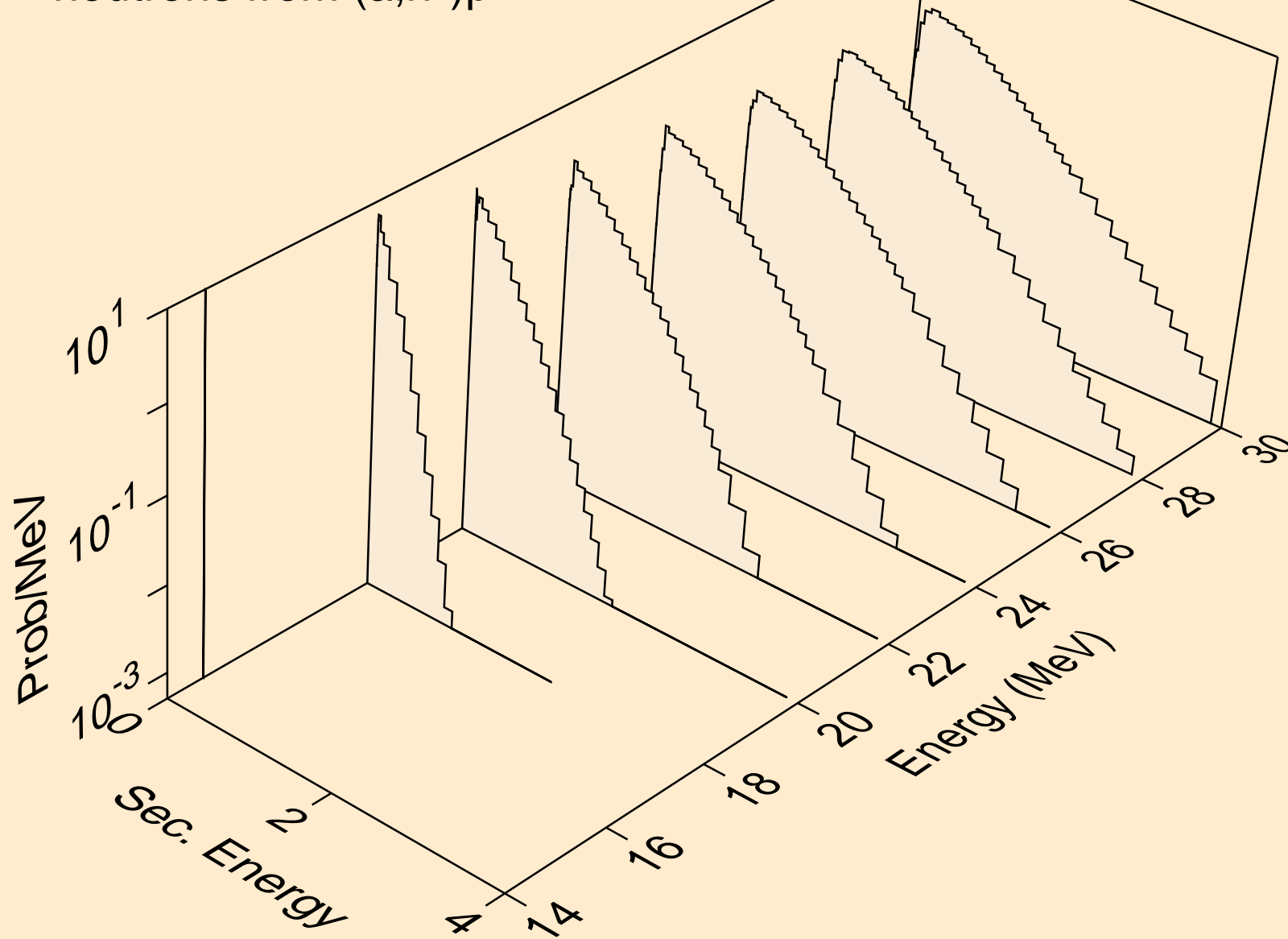
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



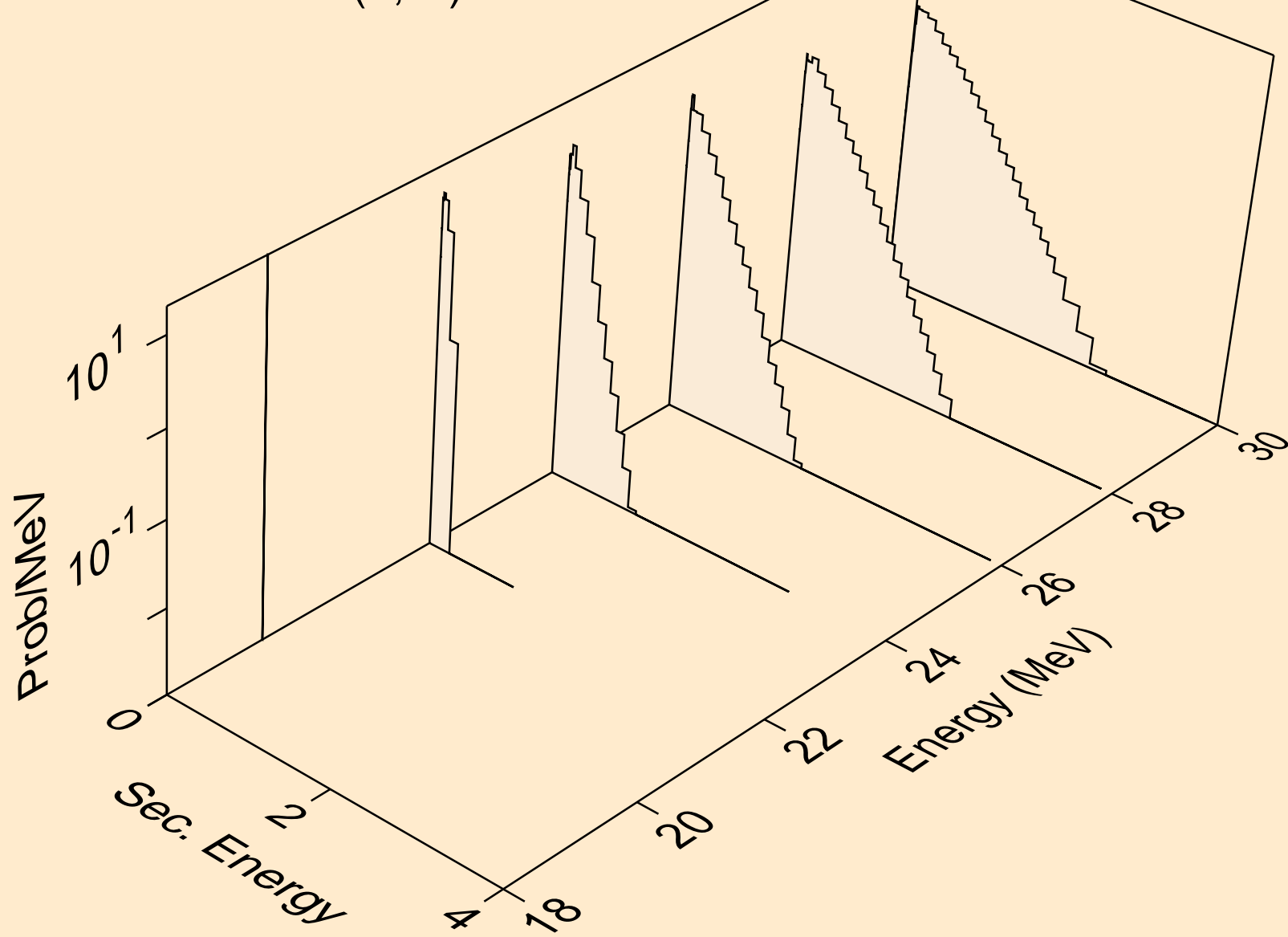
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neutrons from (a,2n)a



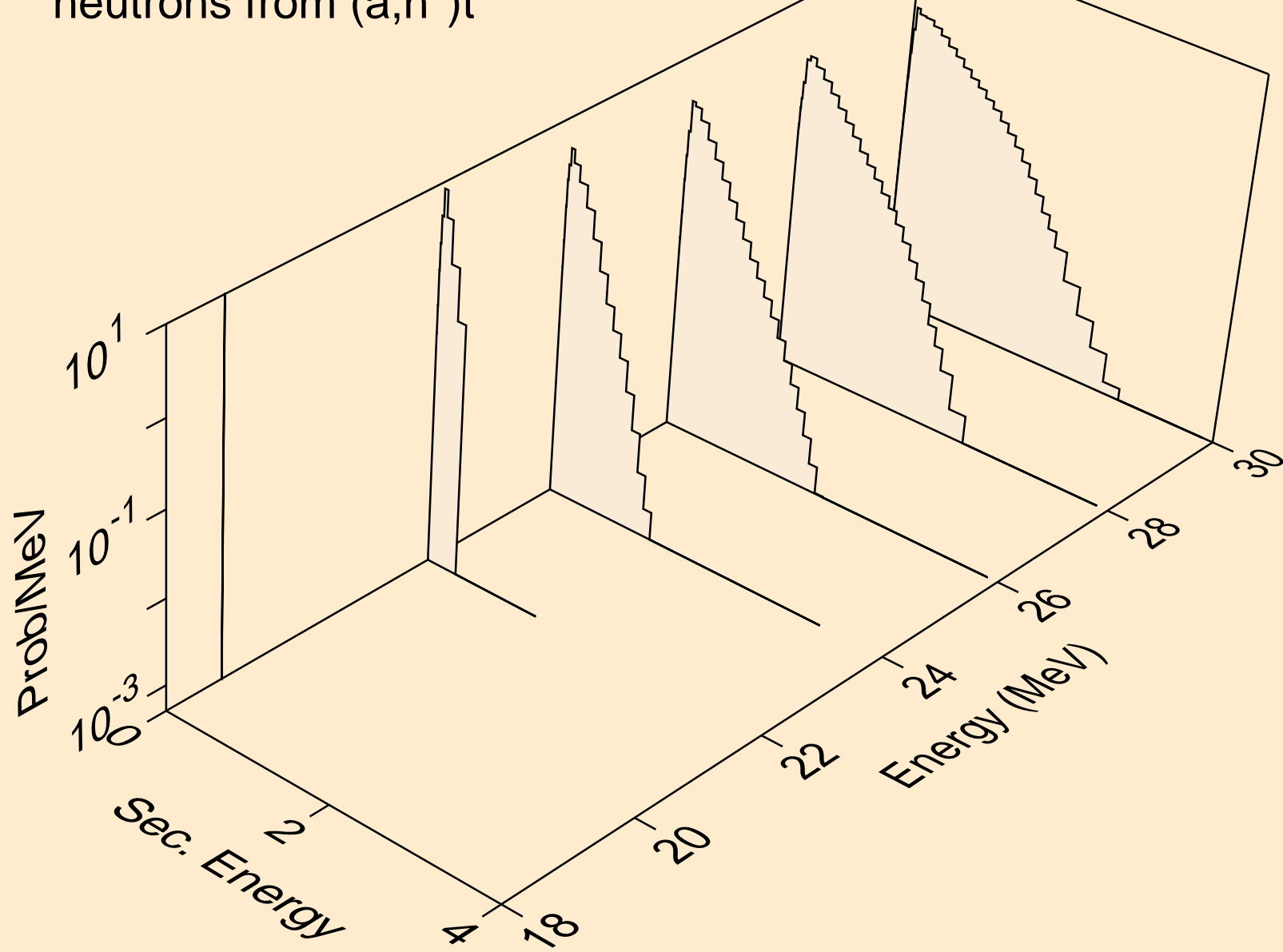
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



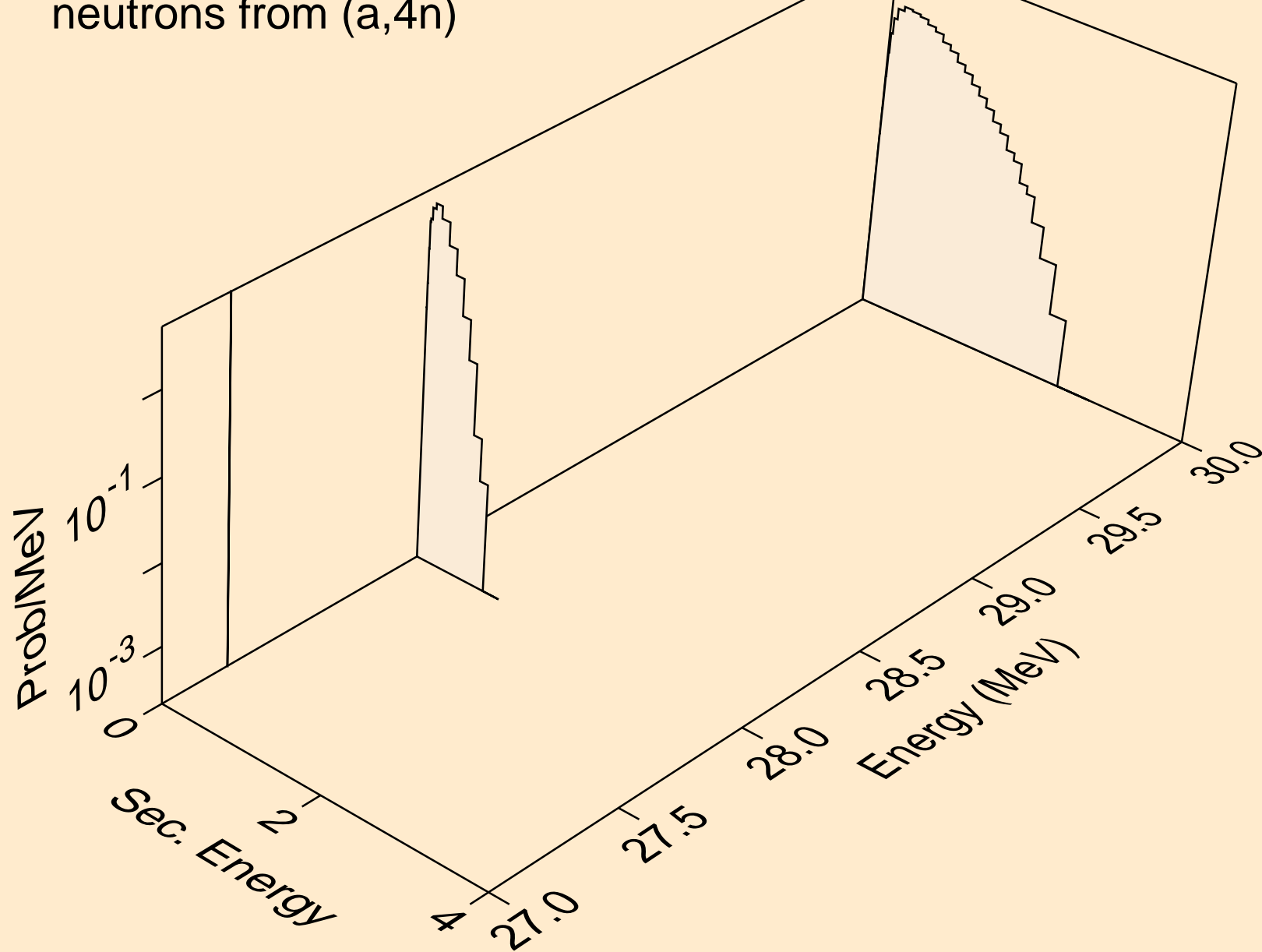
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neutrons from (a,n\*)d



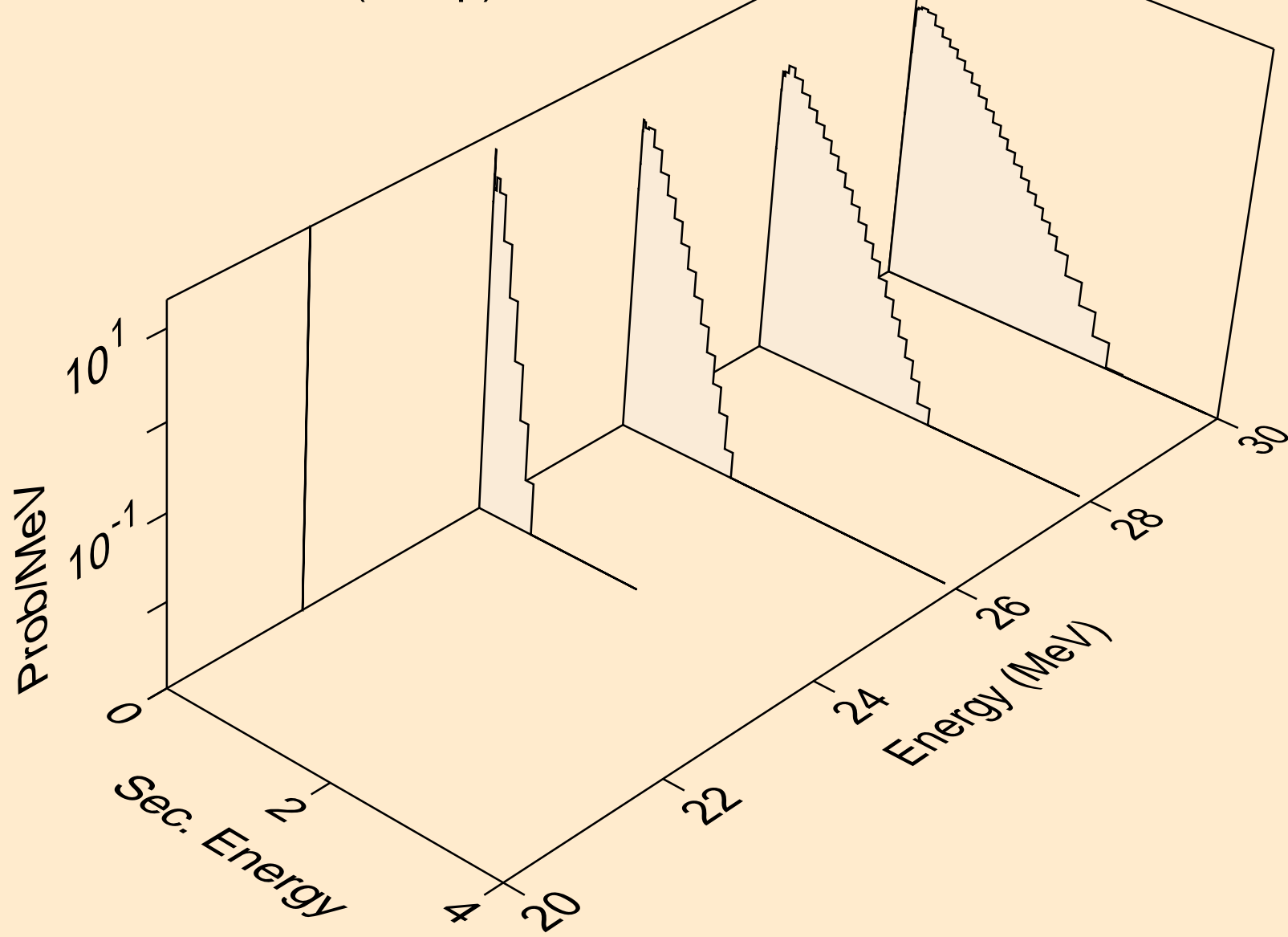
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)t



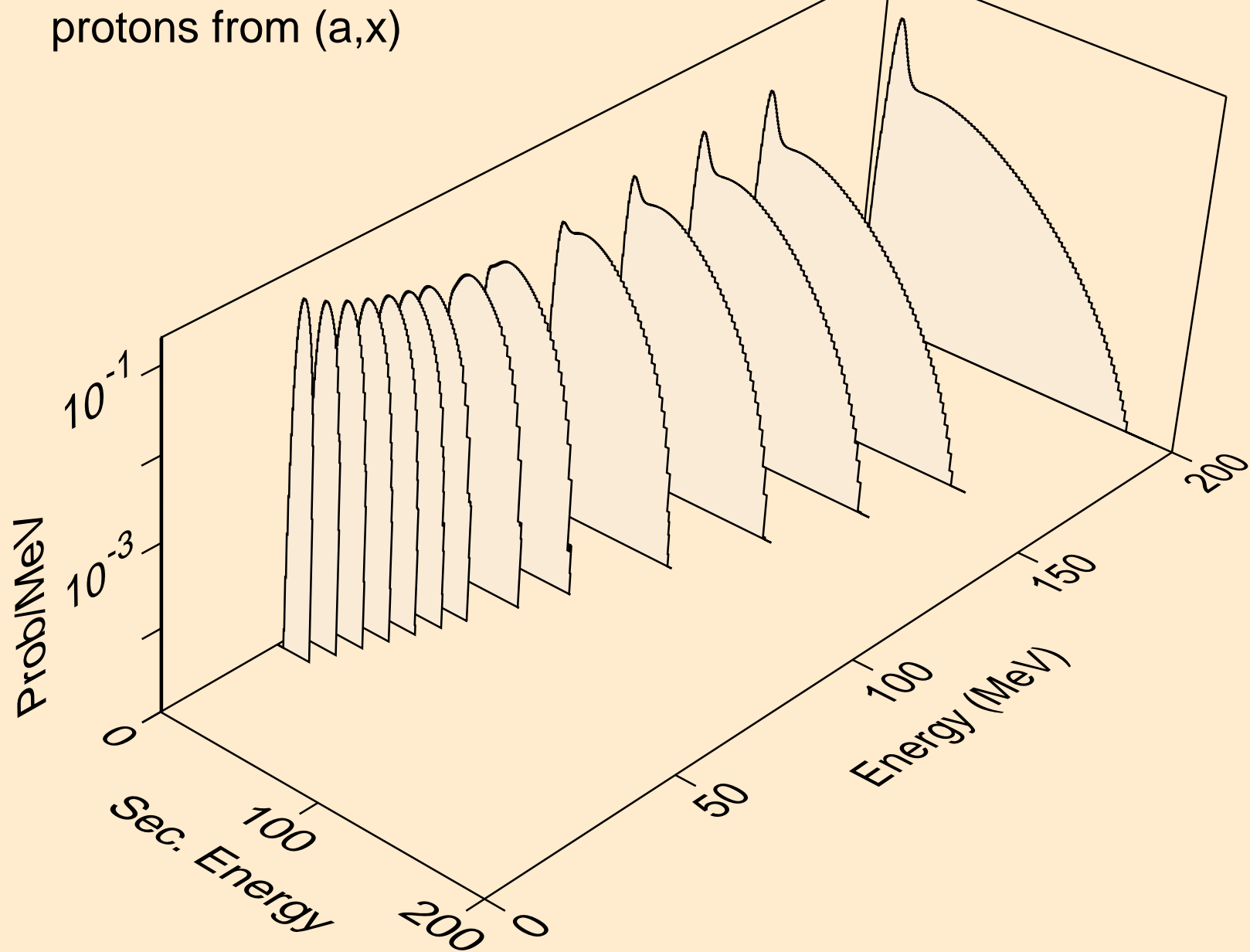
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,4n)



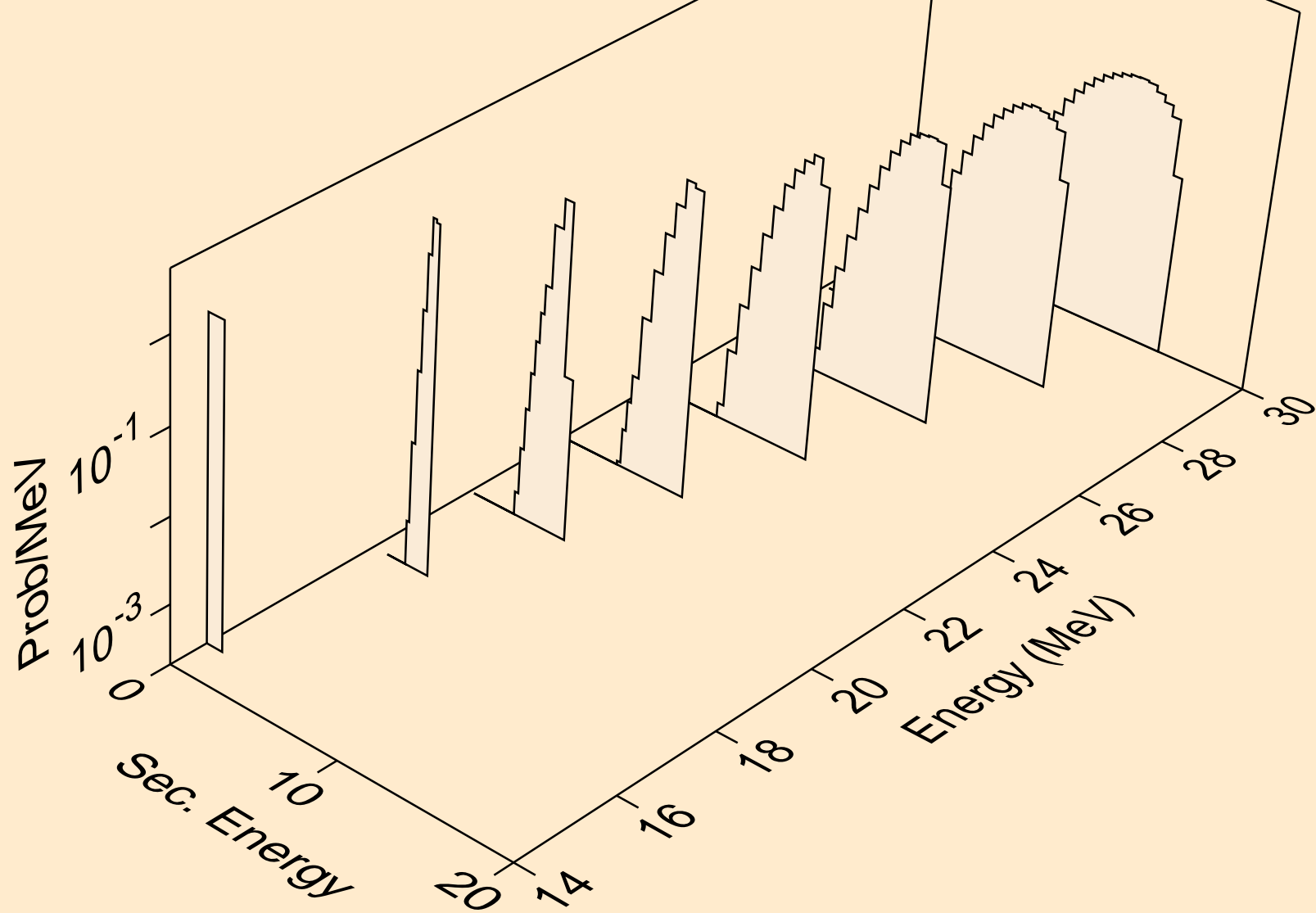
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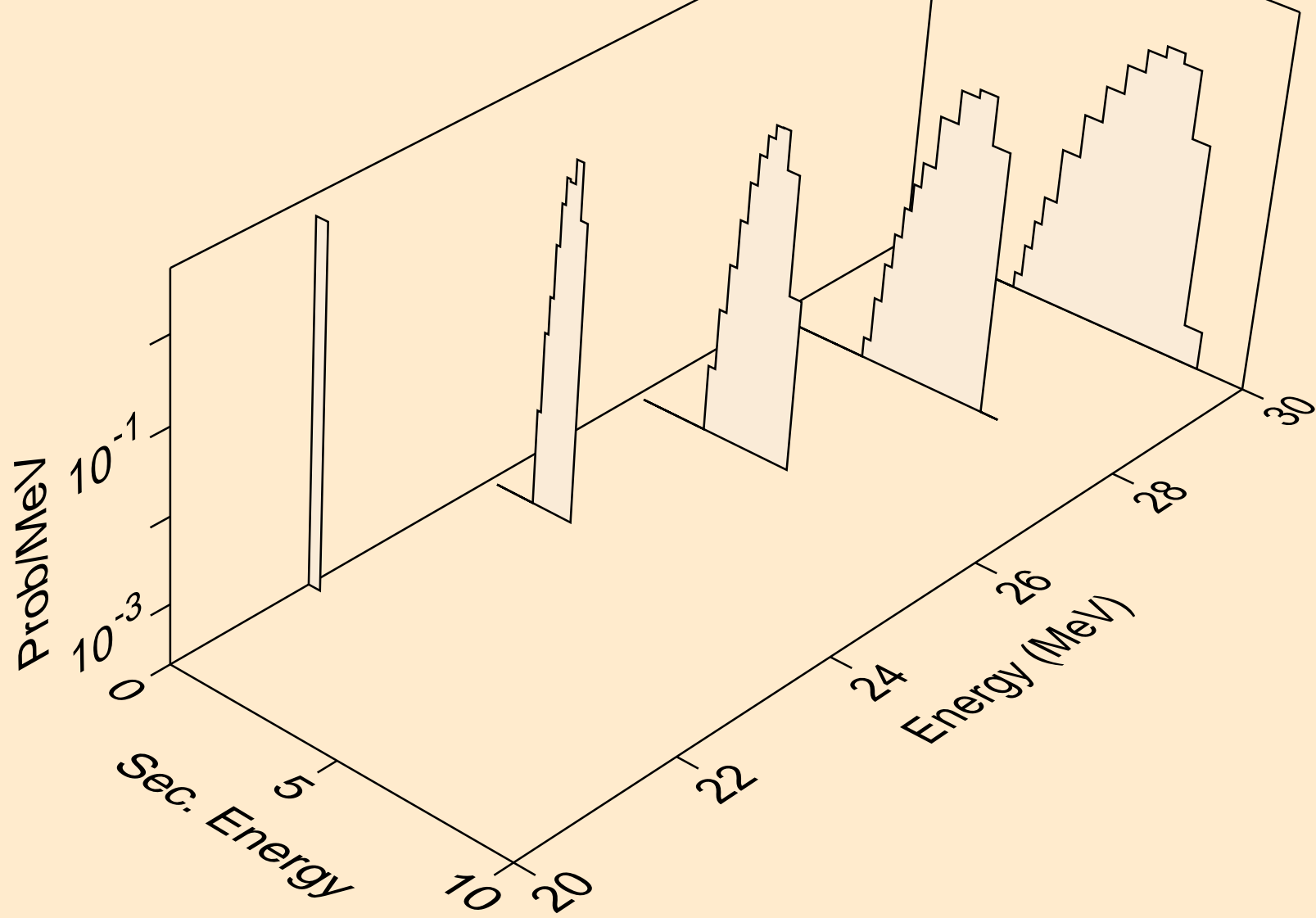
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protons from (a,x)



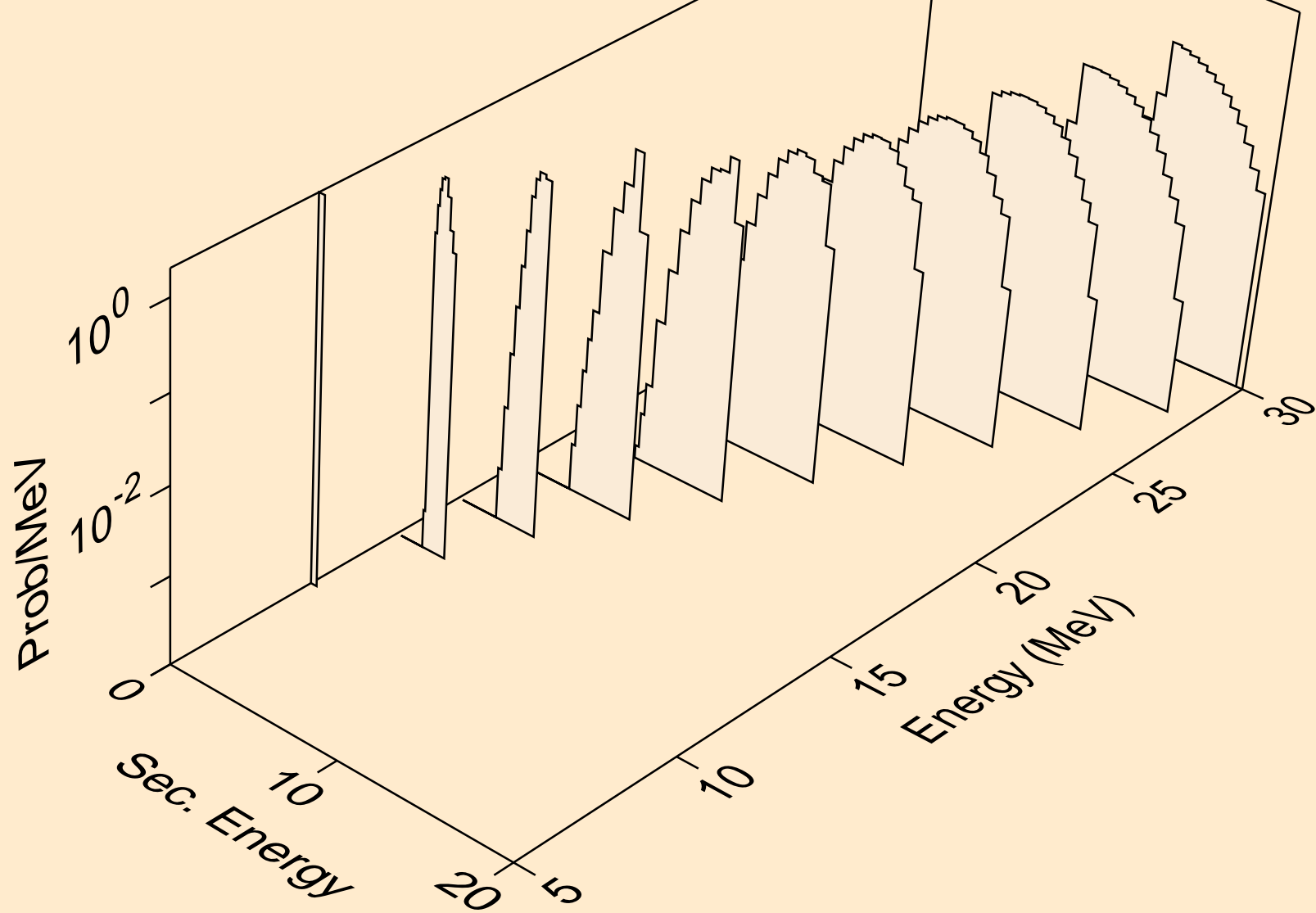
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n\*)p



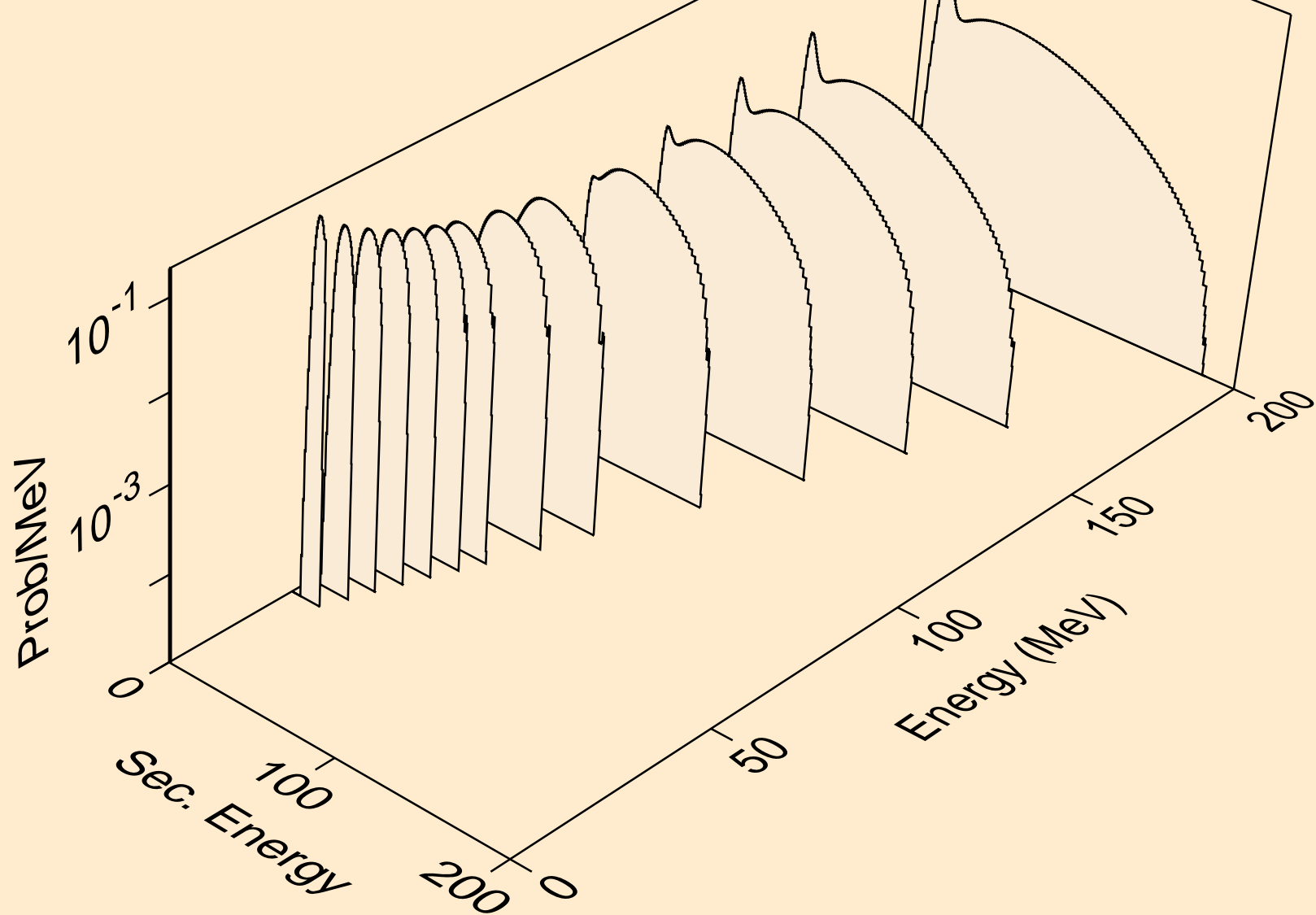
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protons from (a,2np)



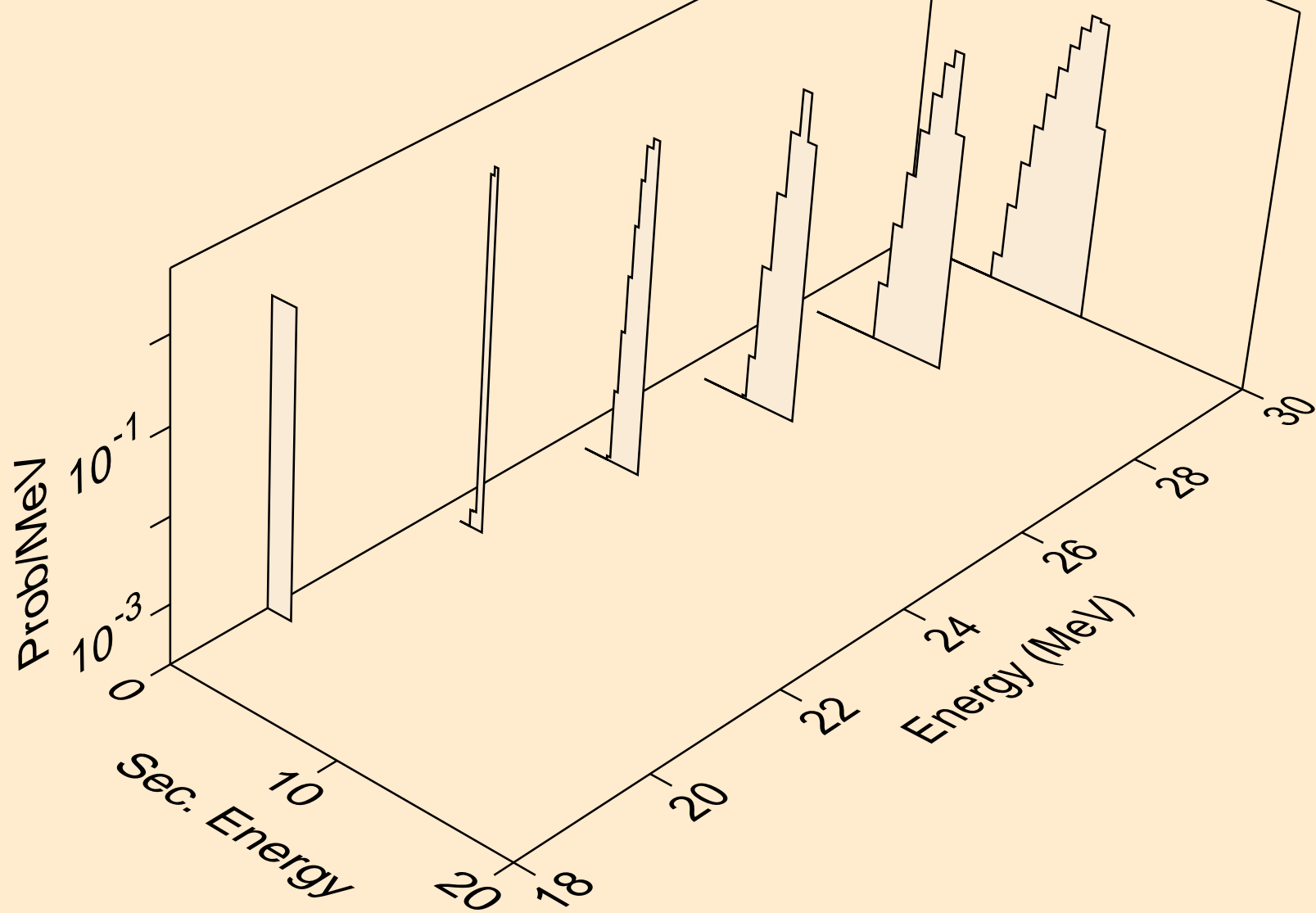
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,p)



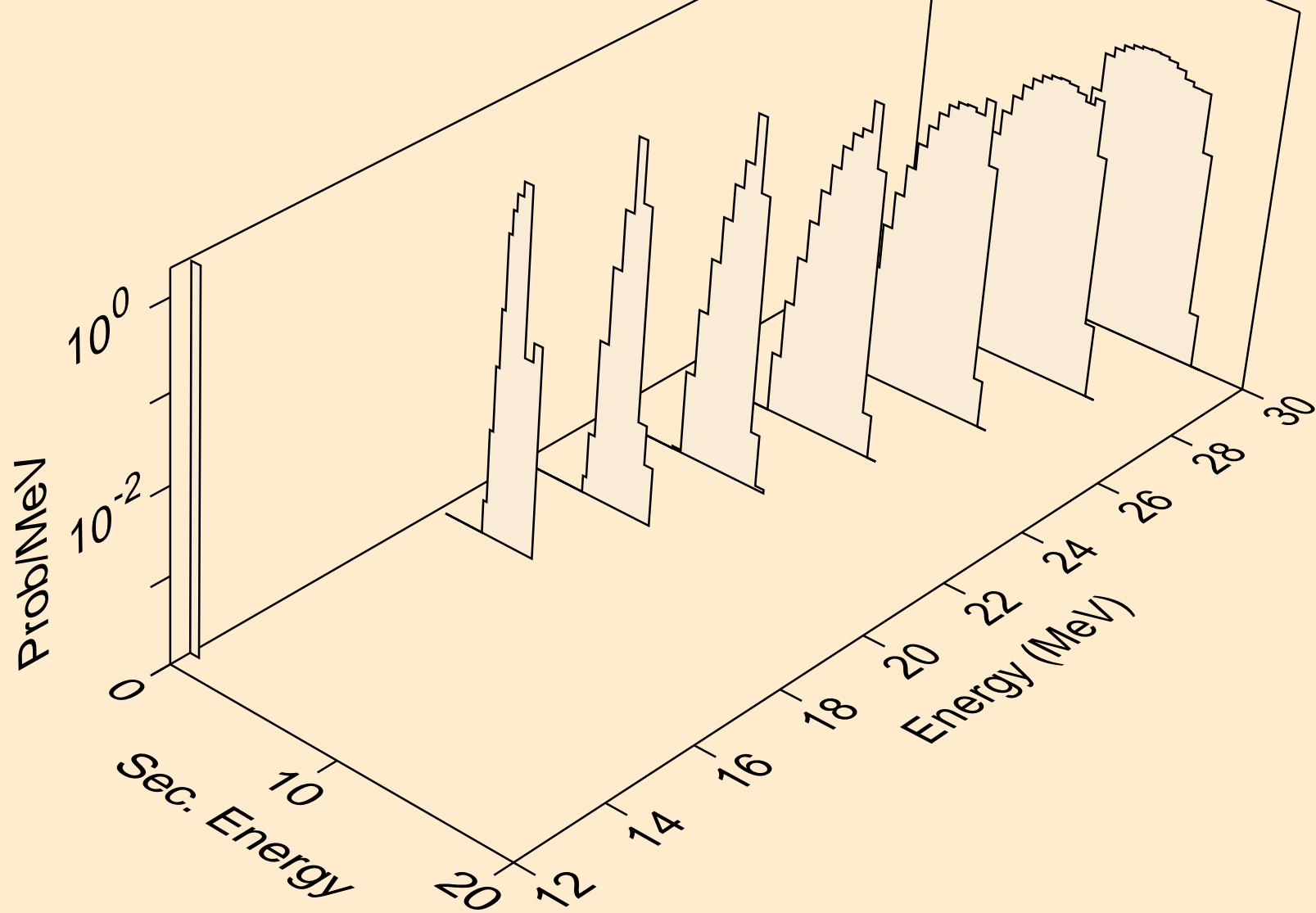
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



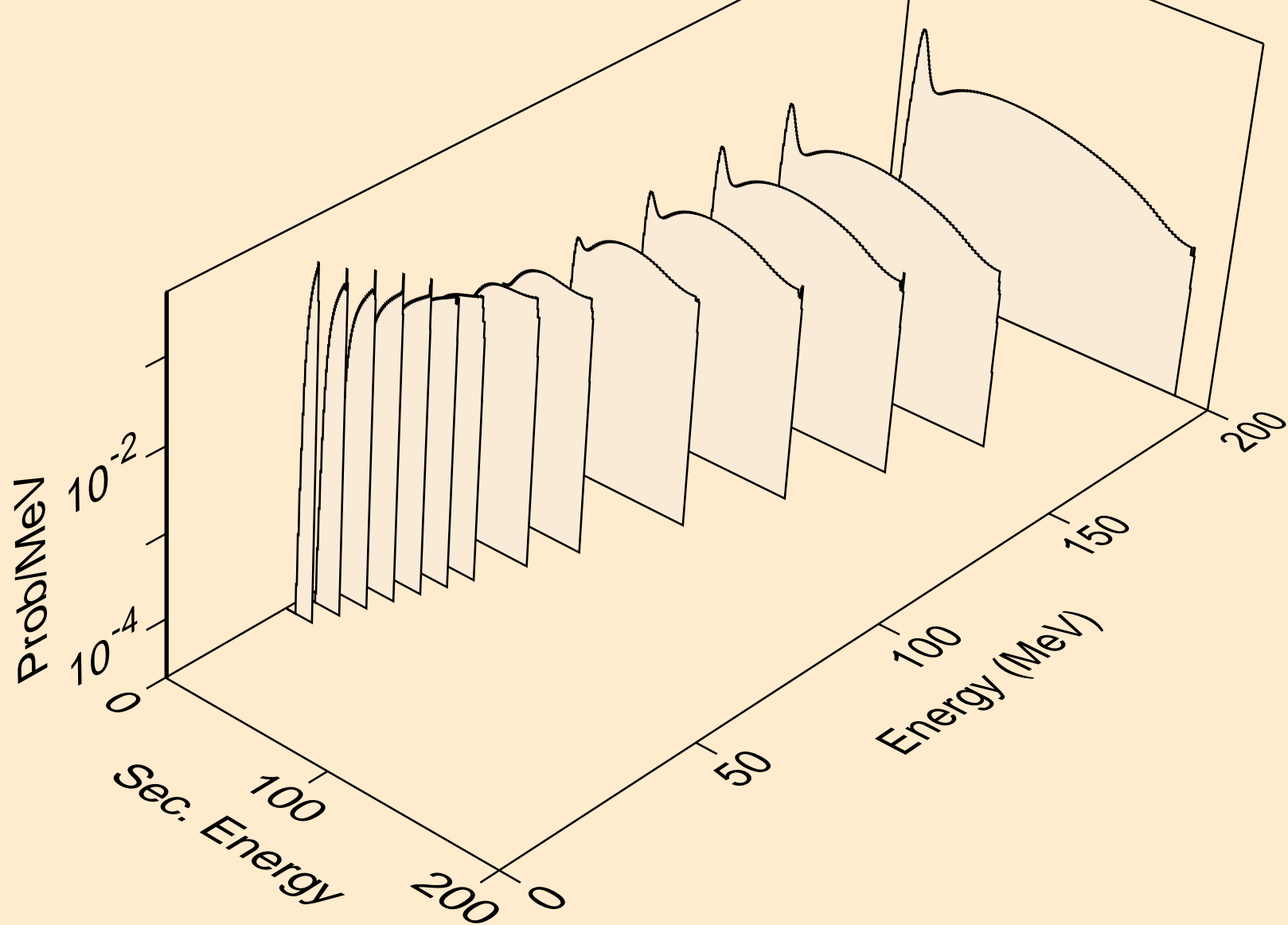
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,n\*)d



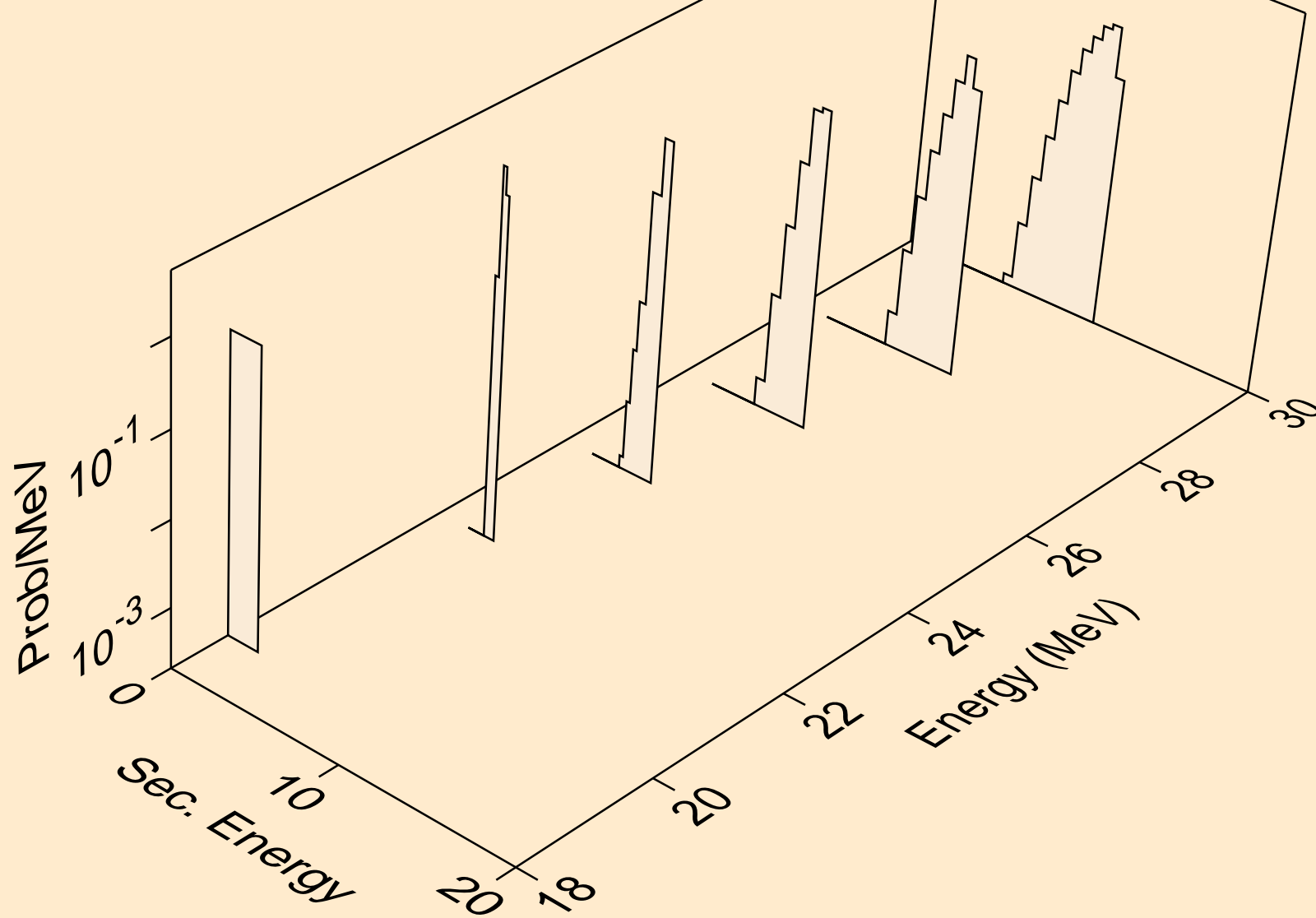
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,d)



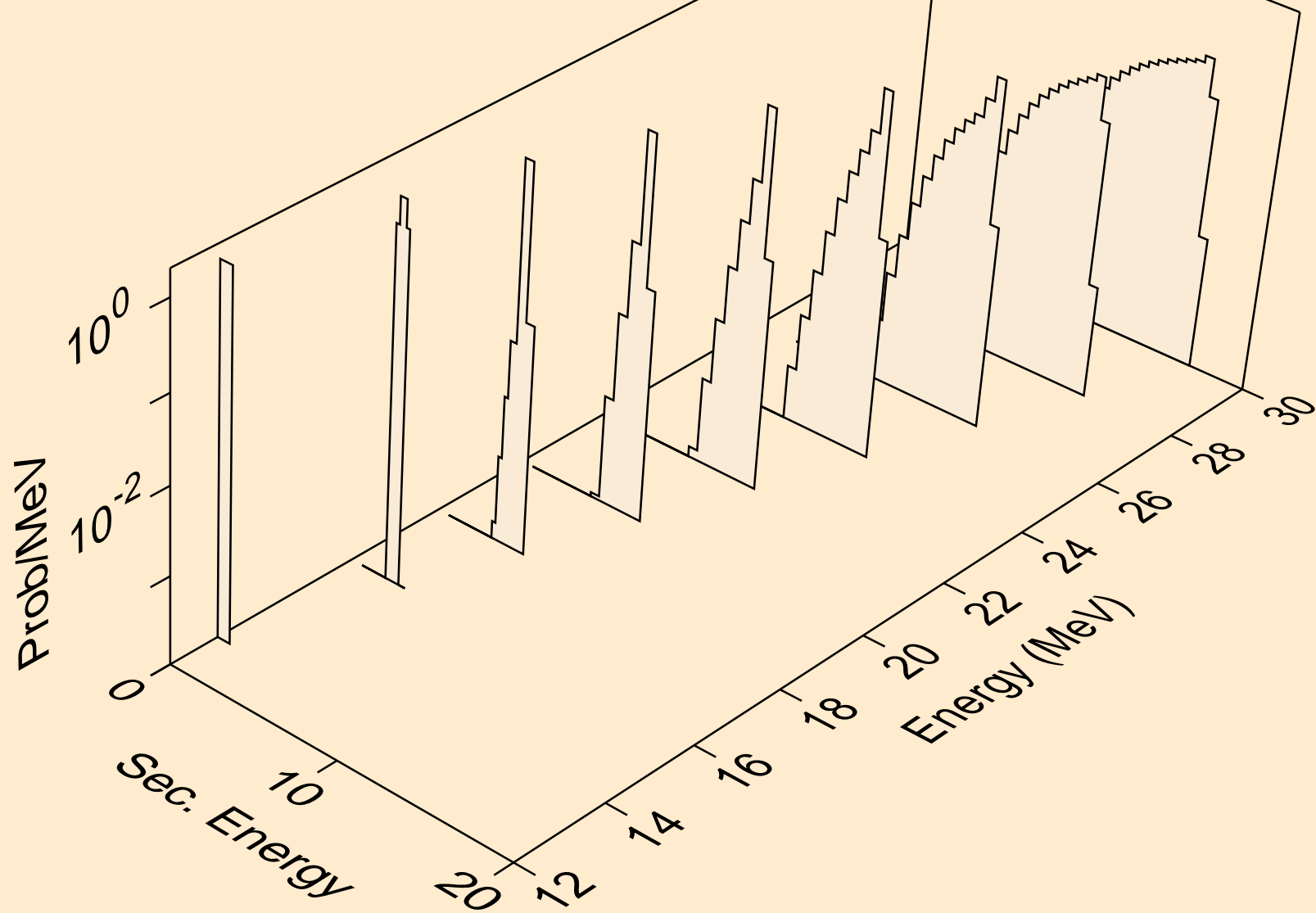
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



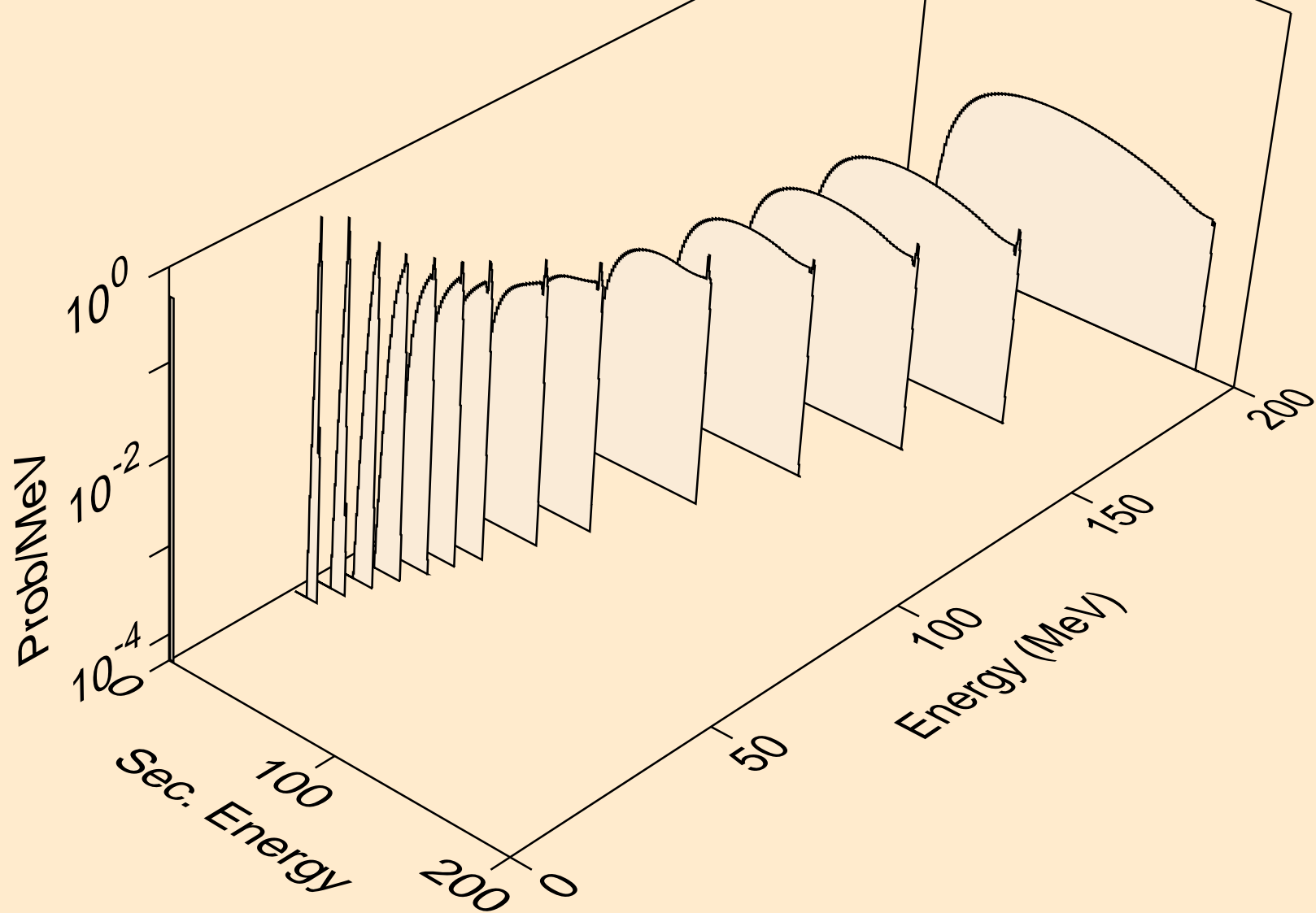
W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,n\*)t



W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



W189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

