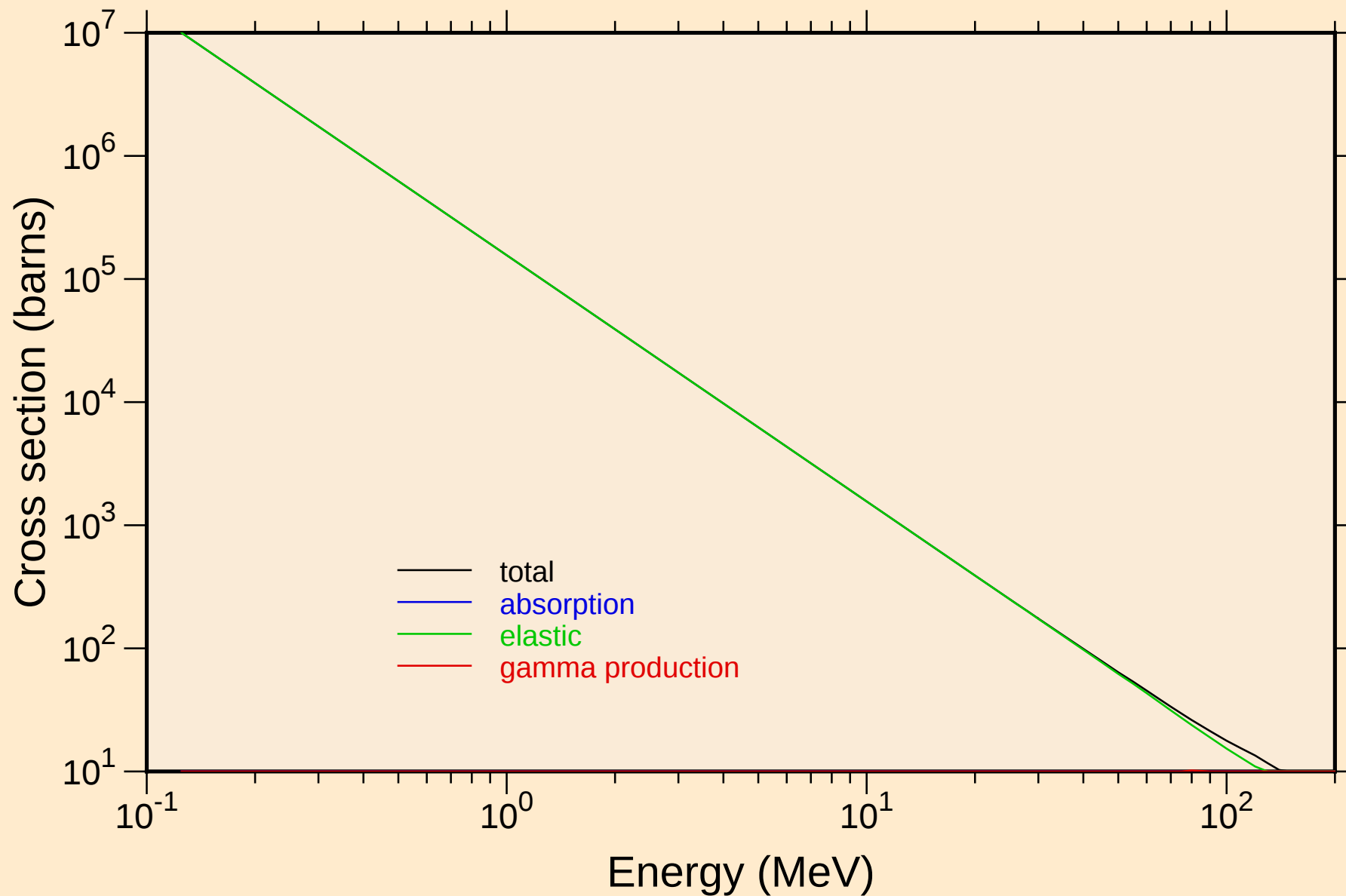


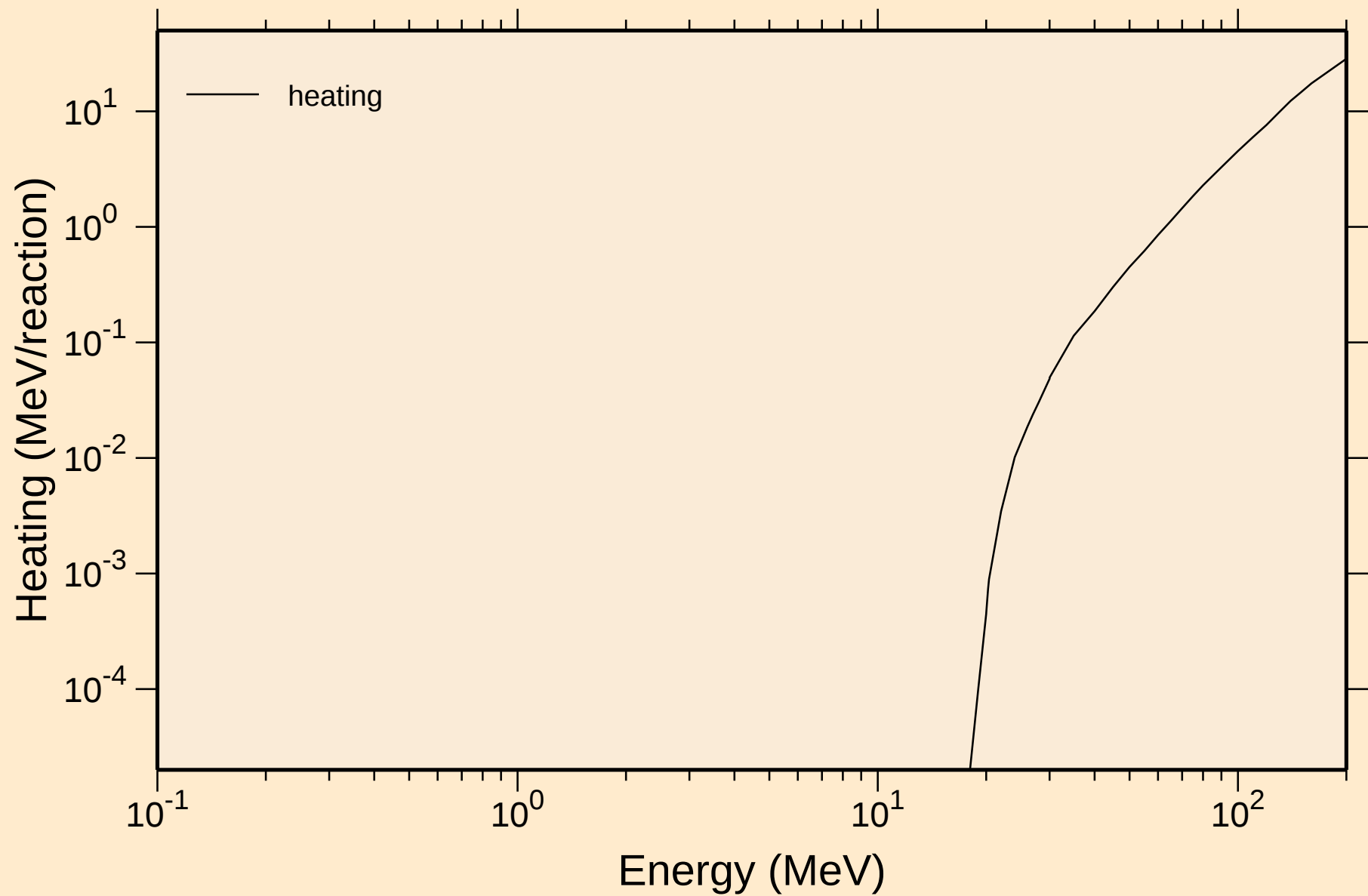
# PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



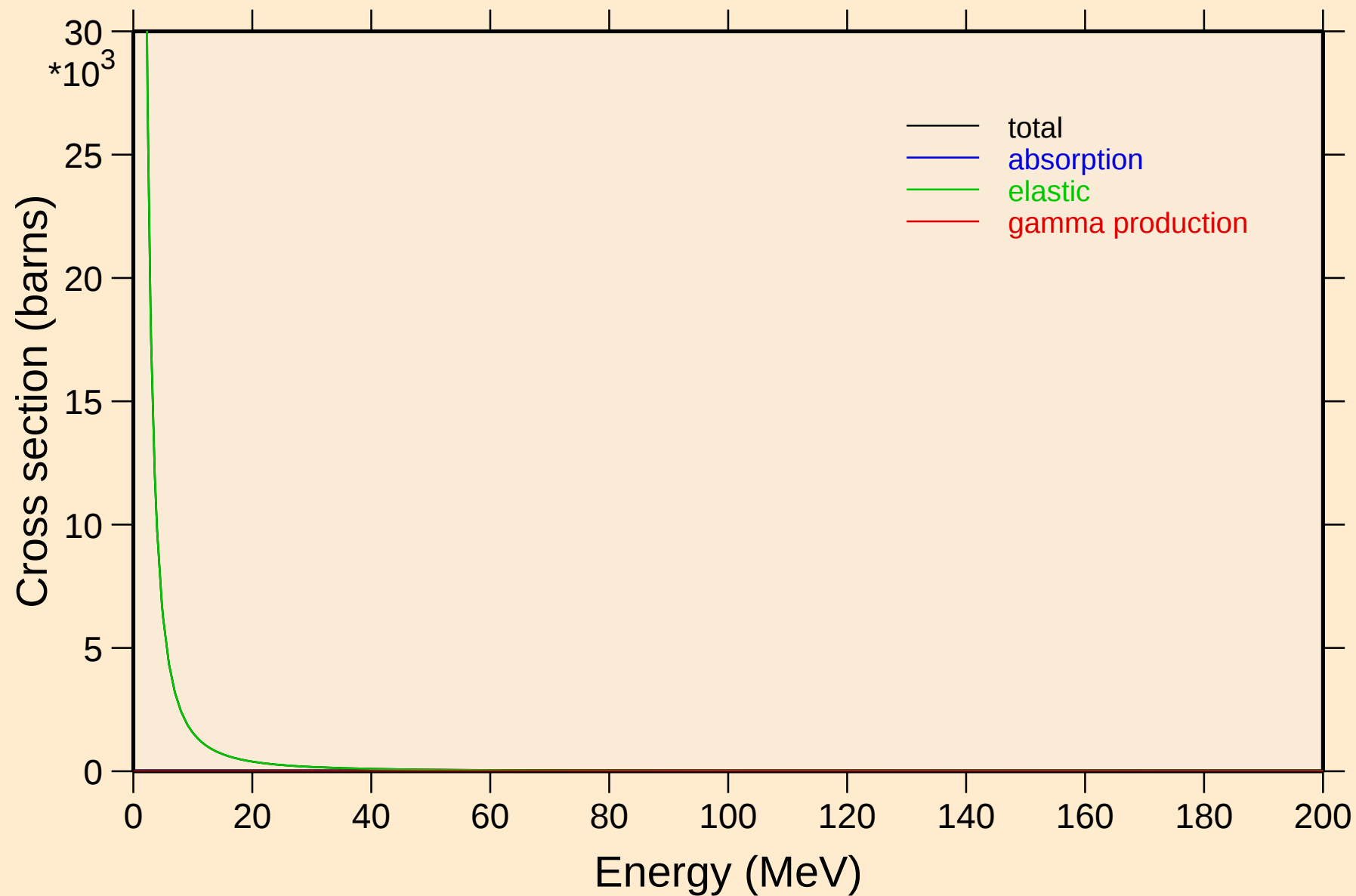
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



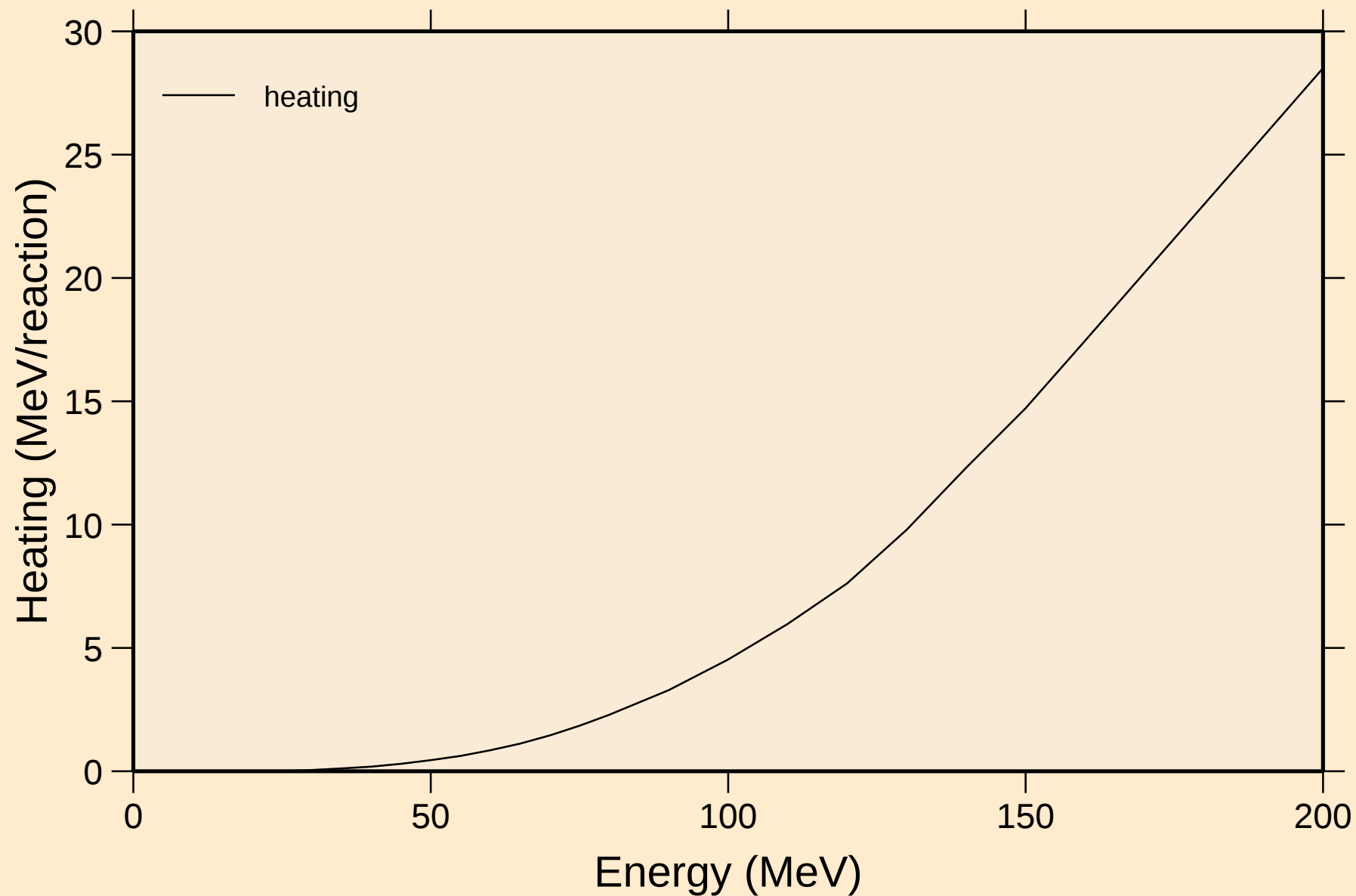
# PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



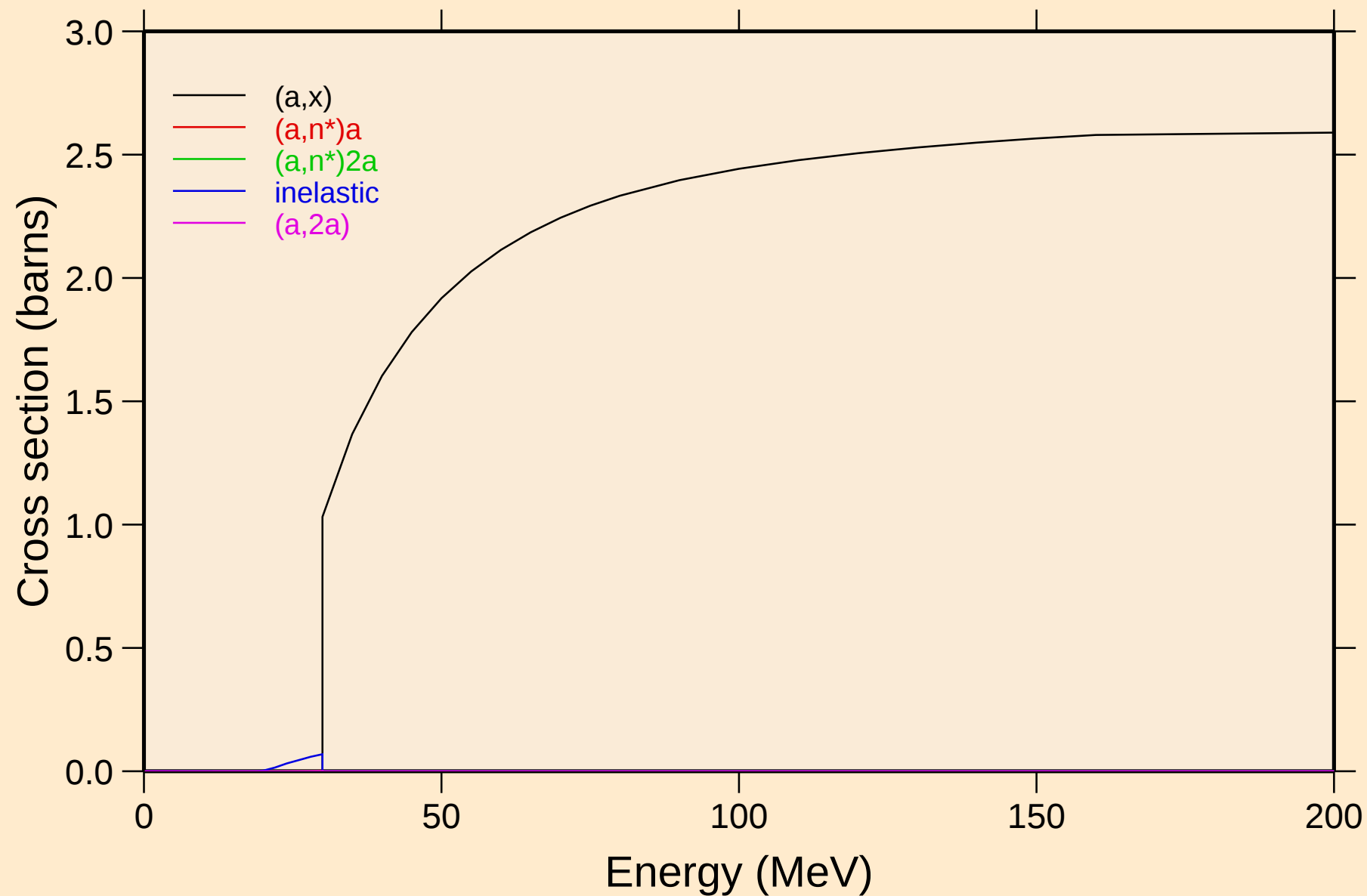
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



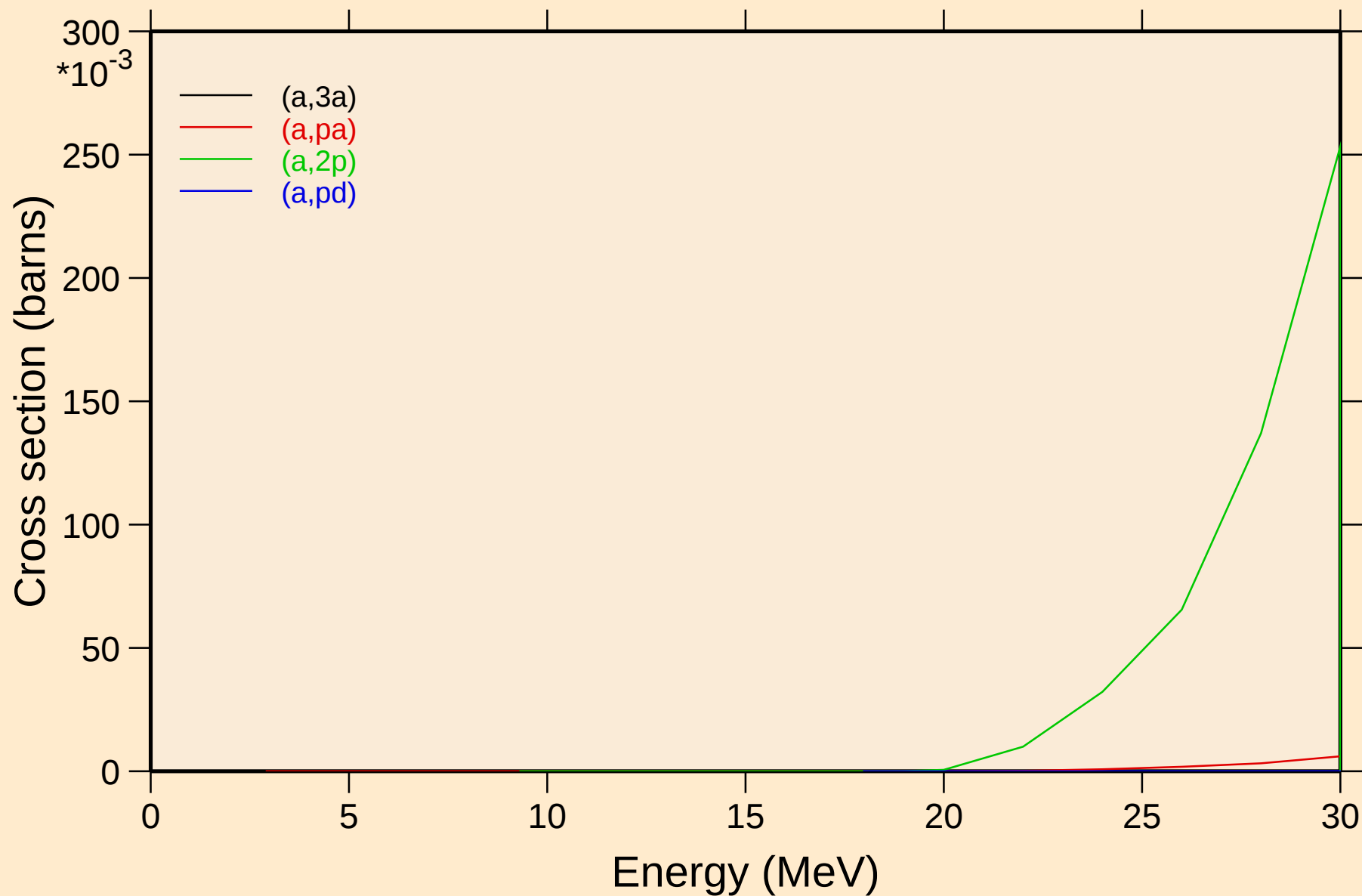
# PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

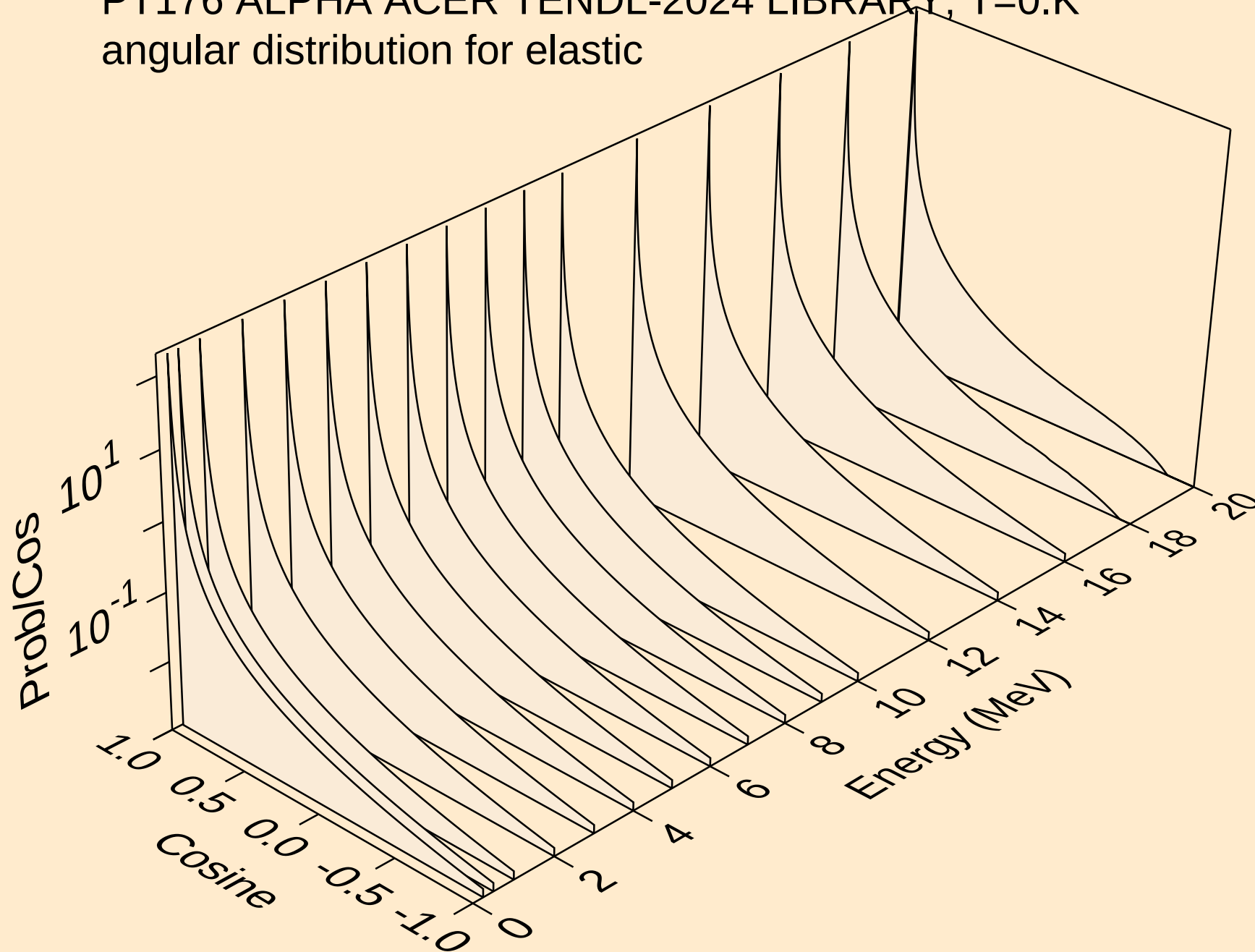


# PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

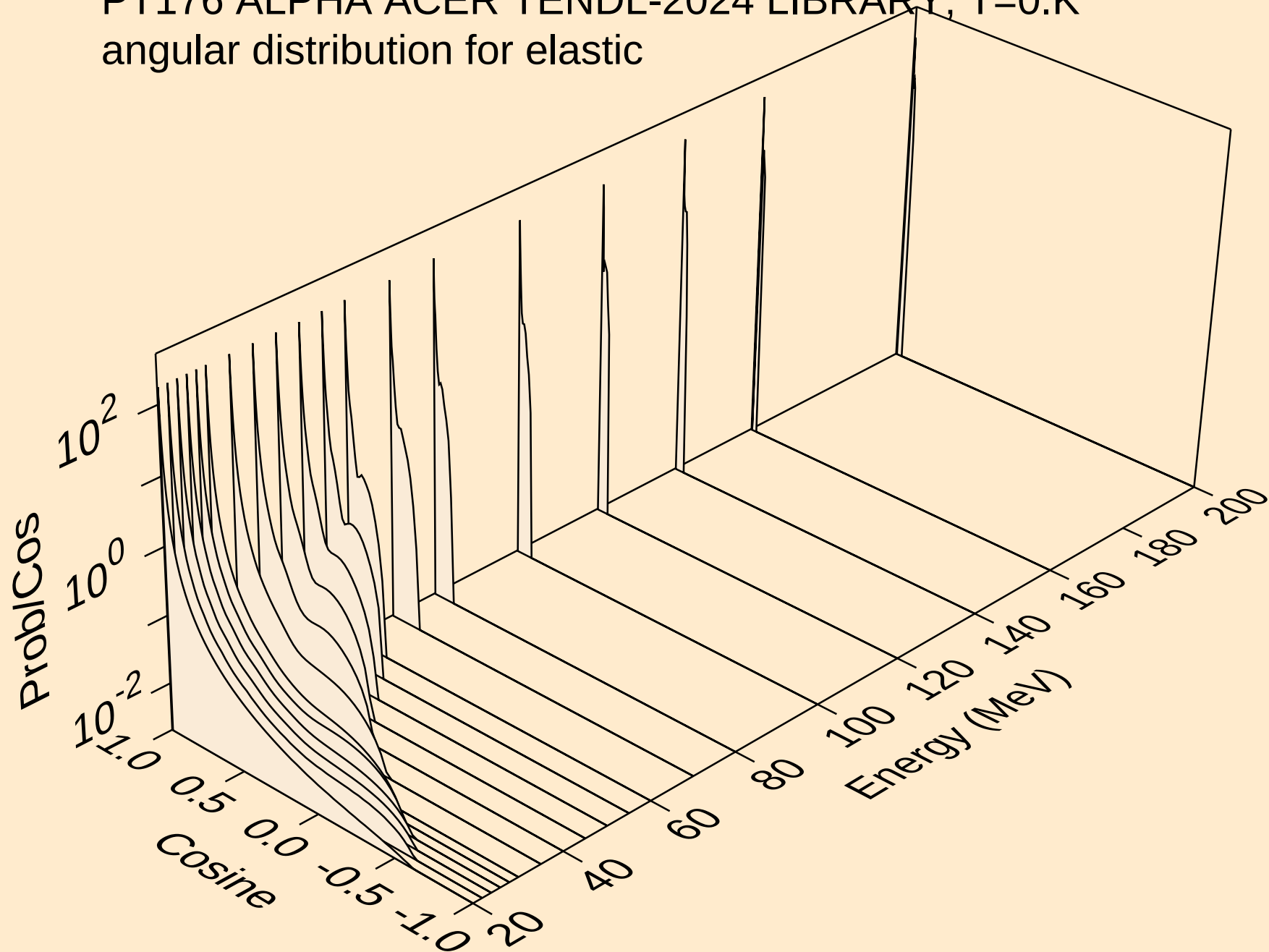
## Threshold reactions



PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

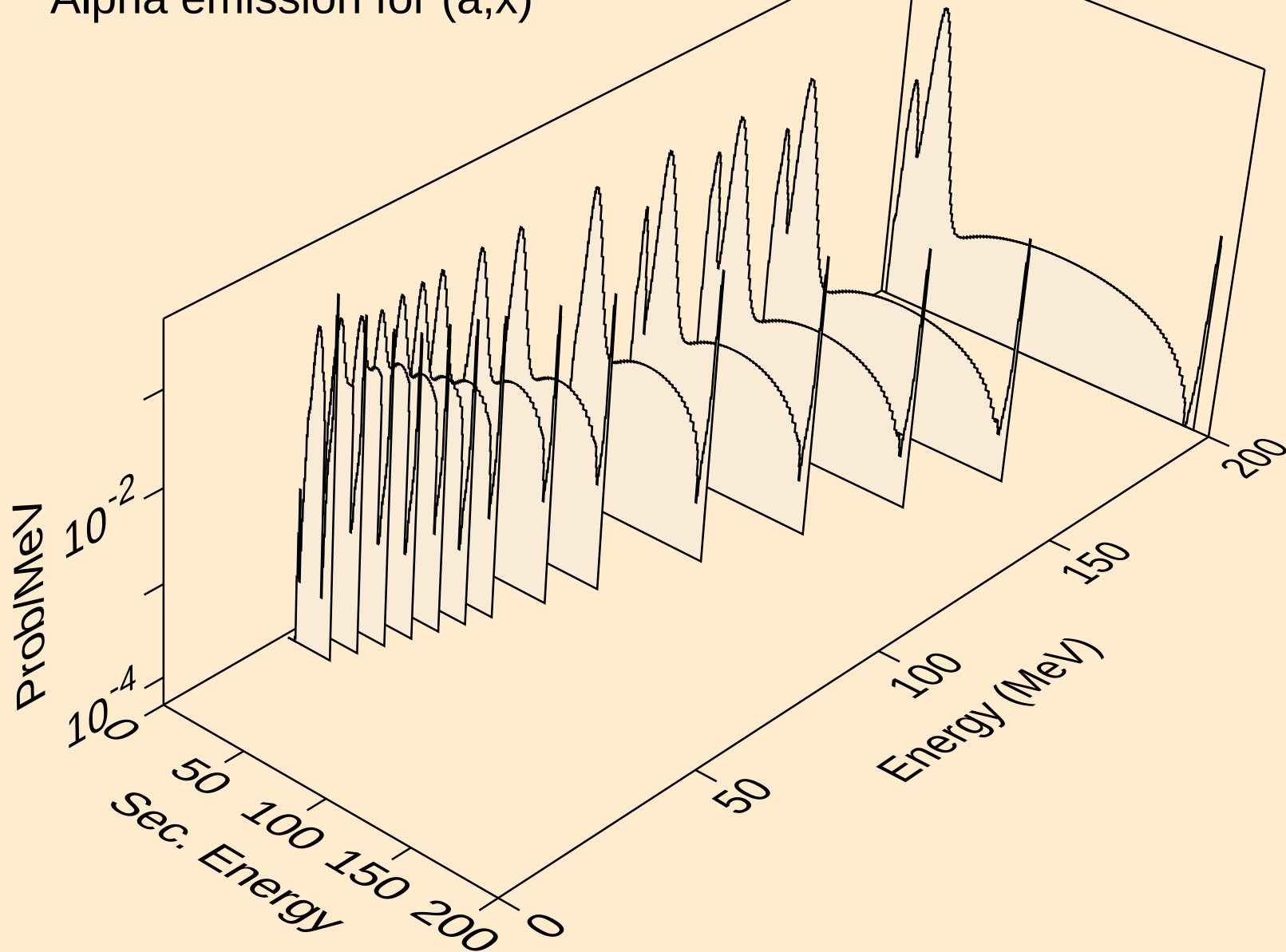


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



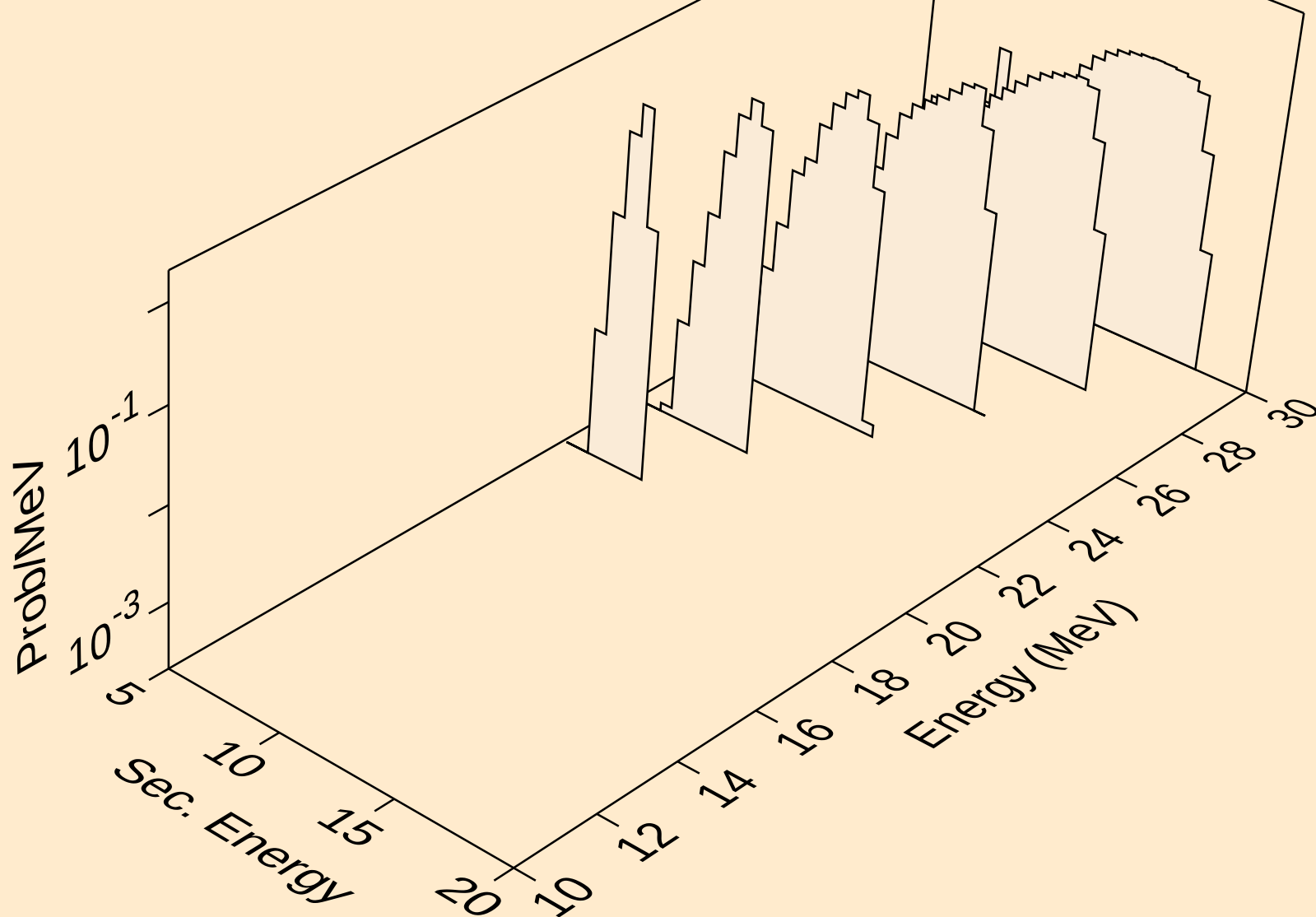
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,x)



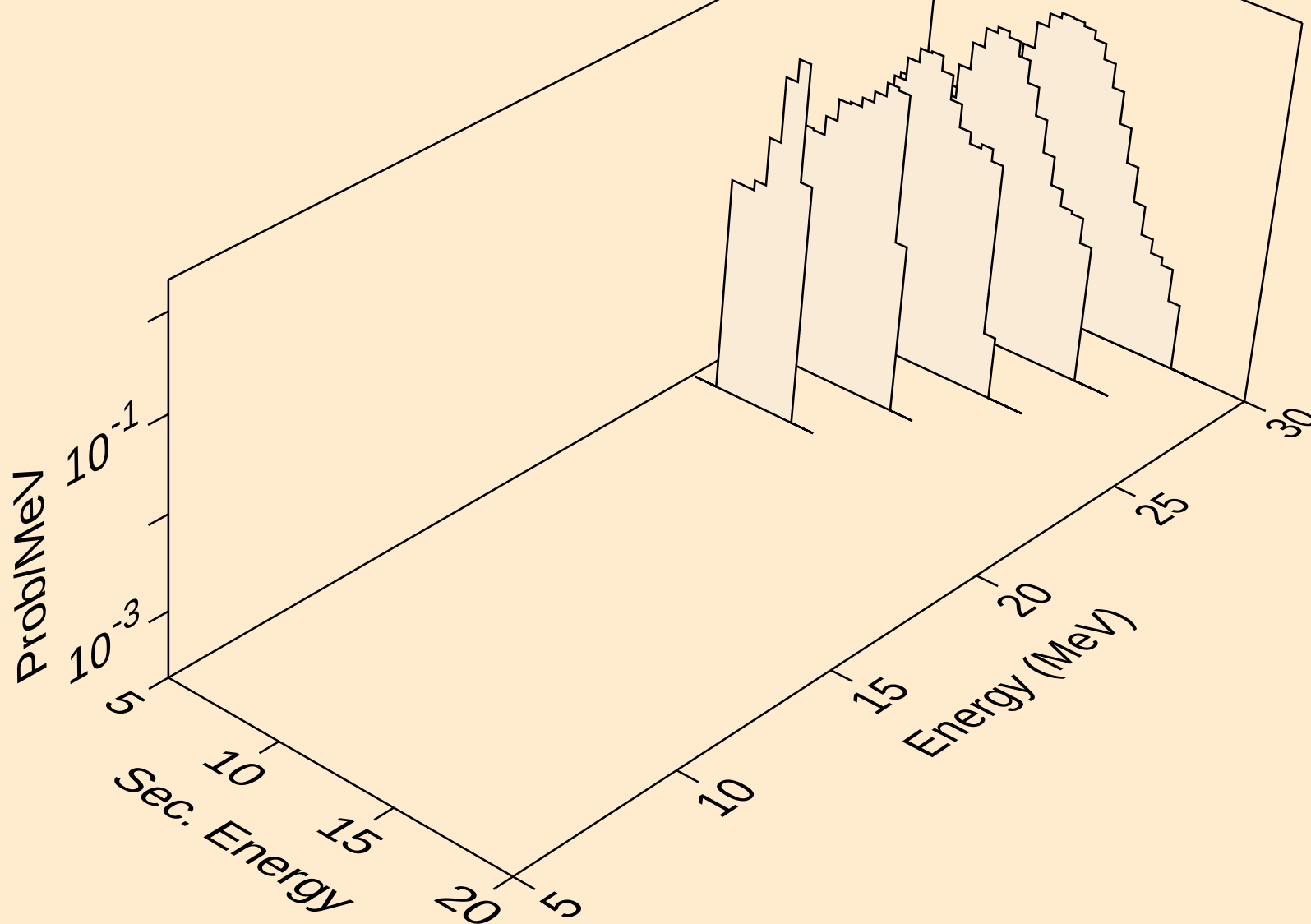
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



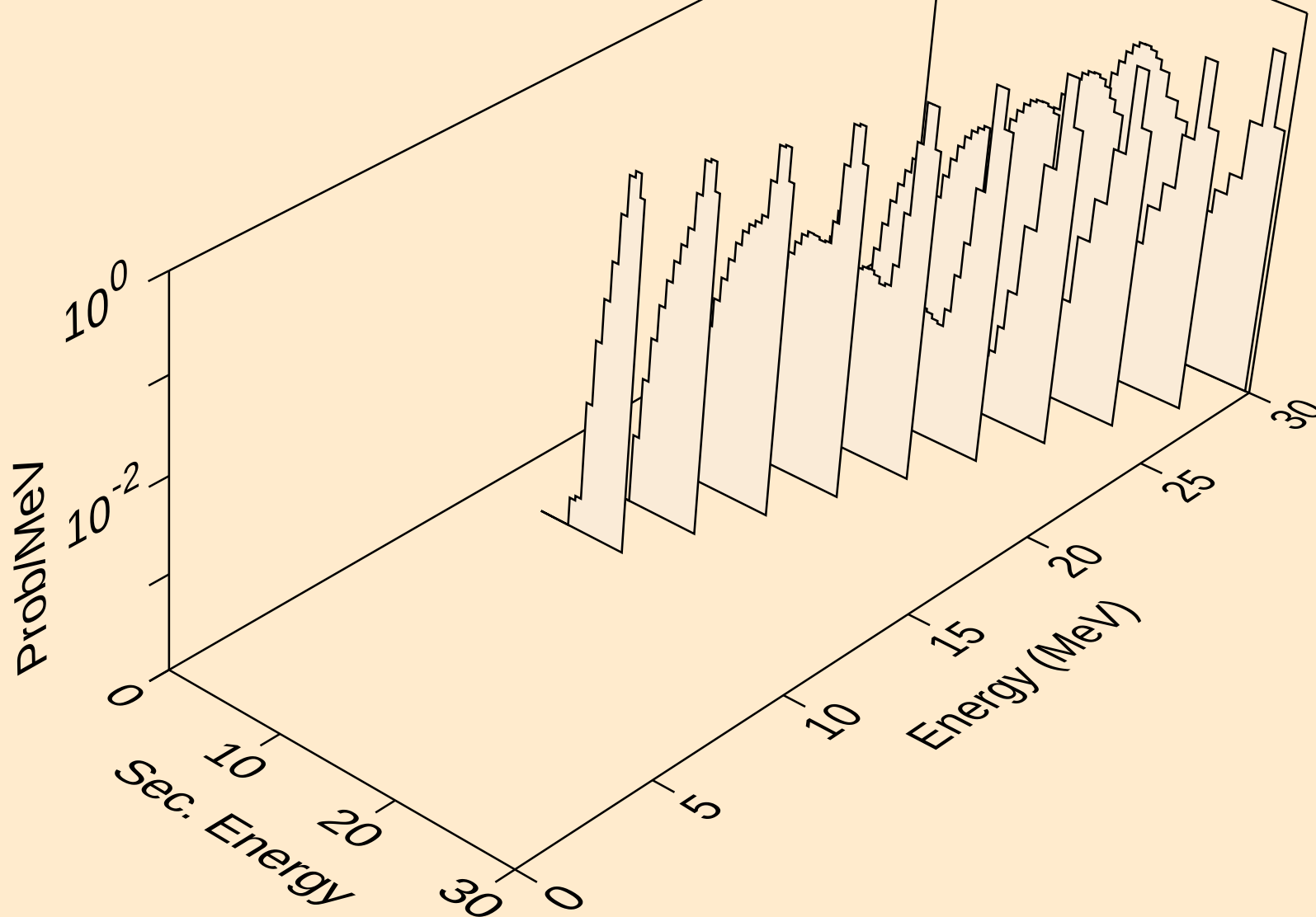
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n\*)2a



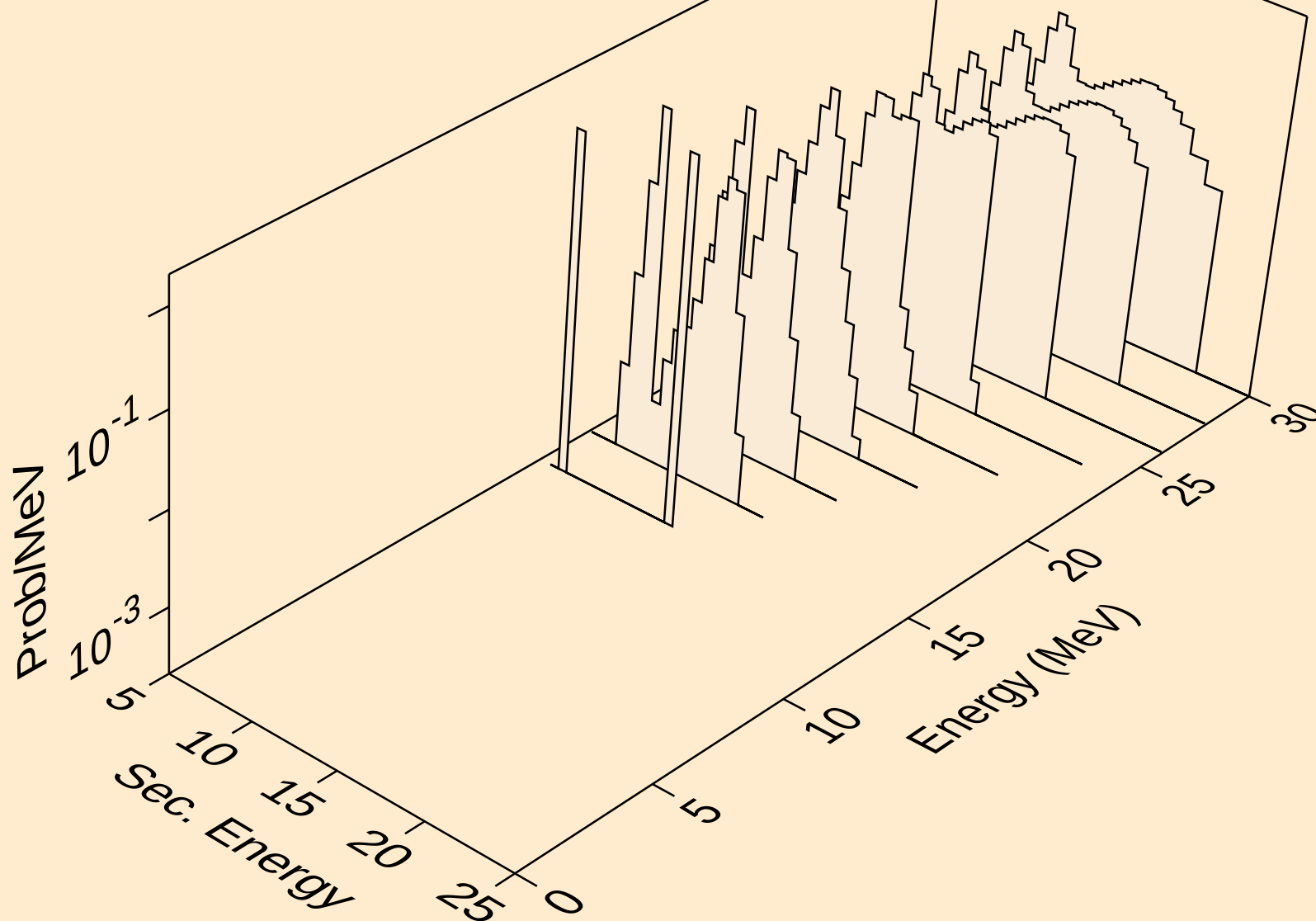
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



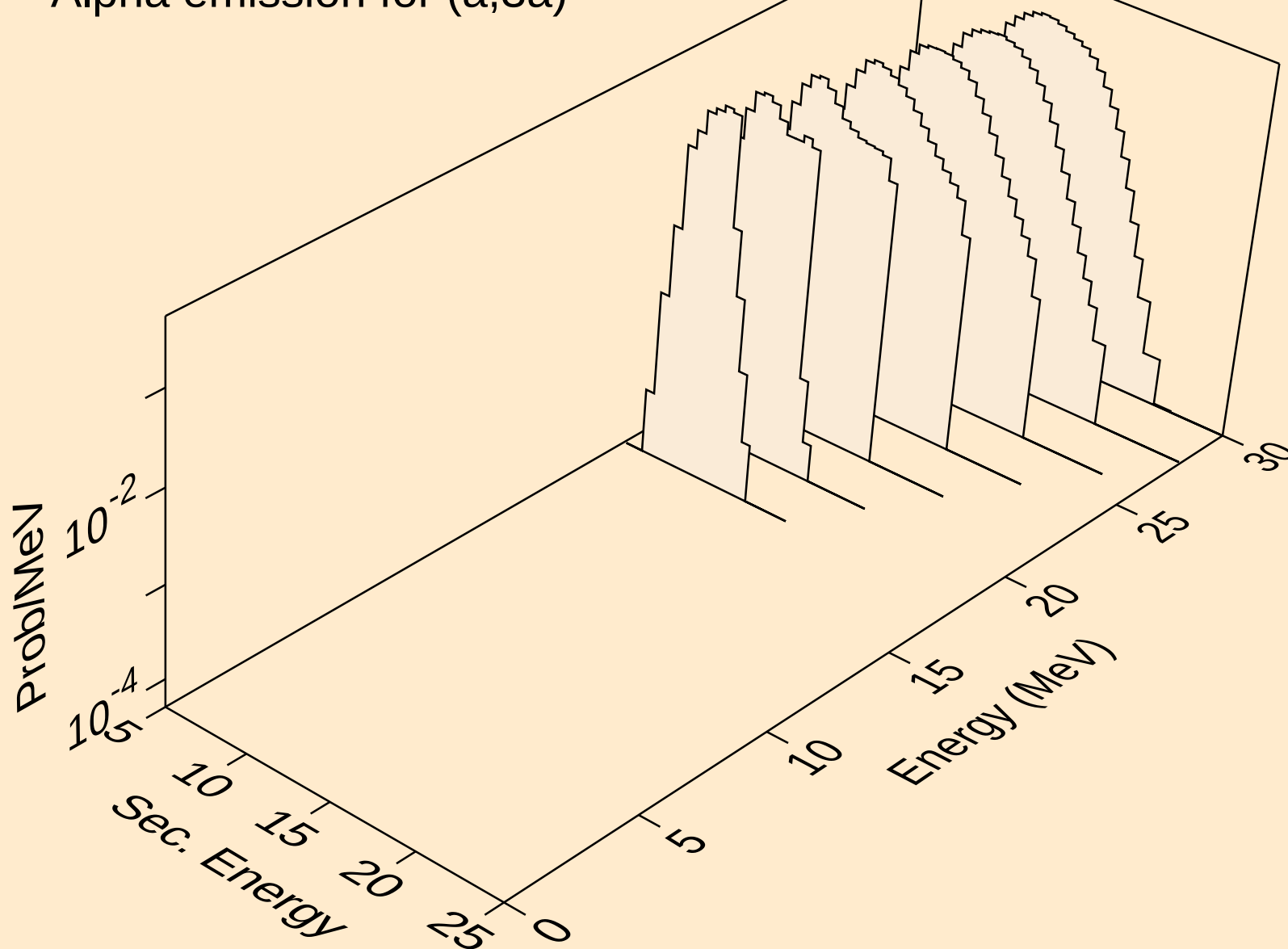
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)



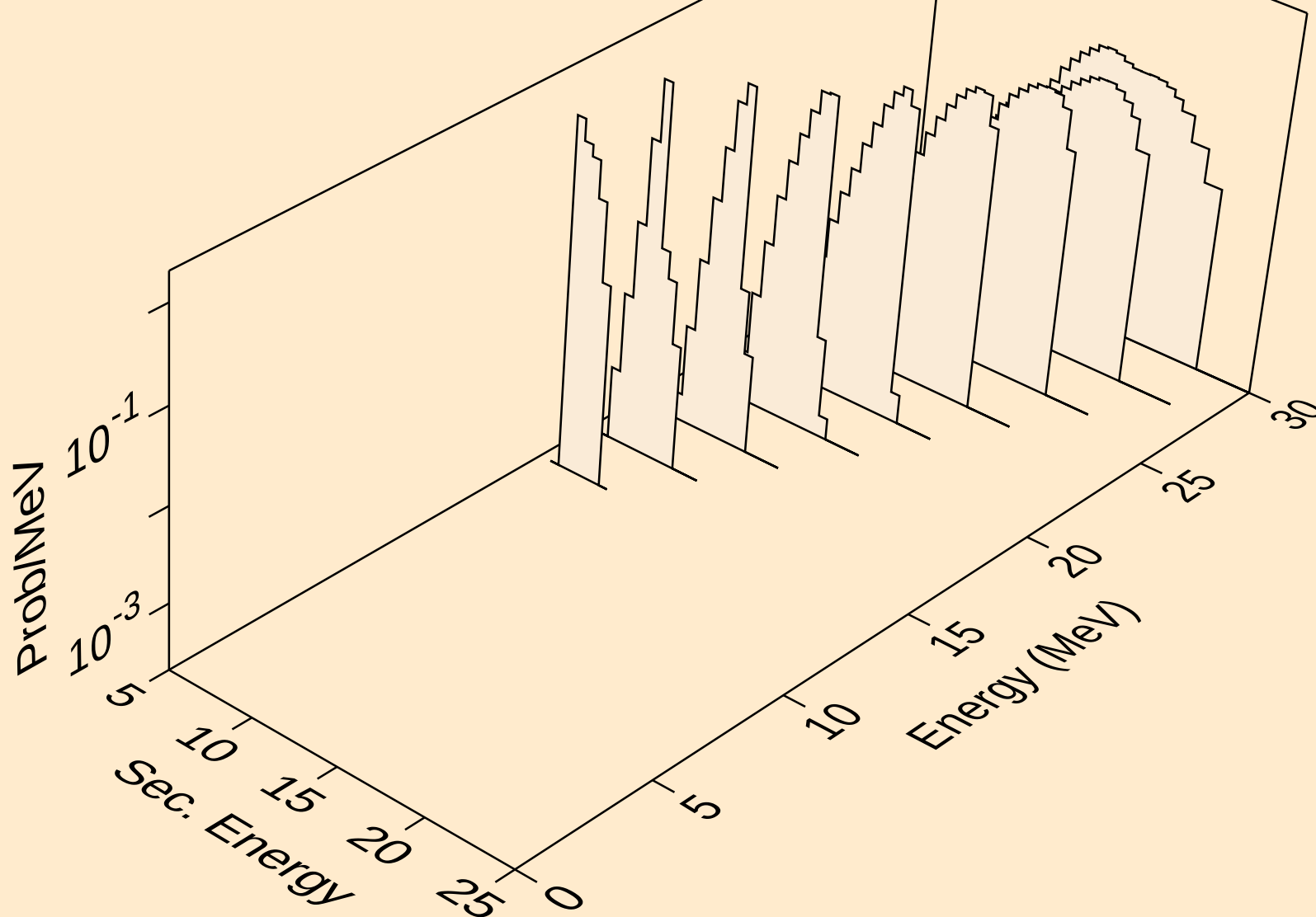
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,3a)

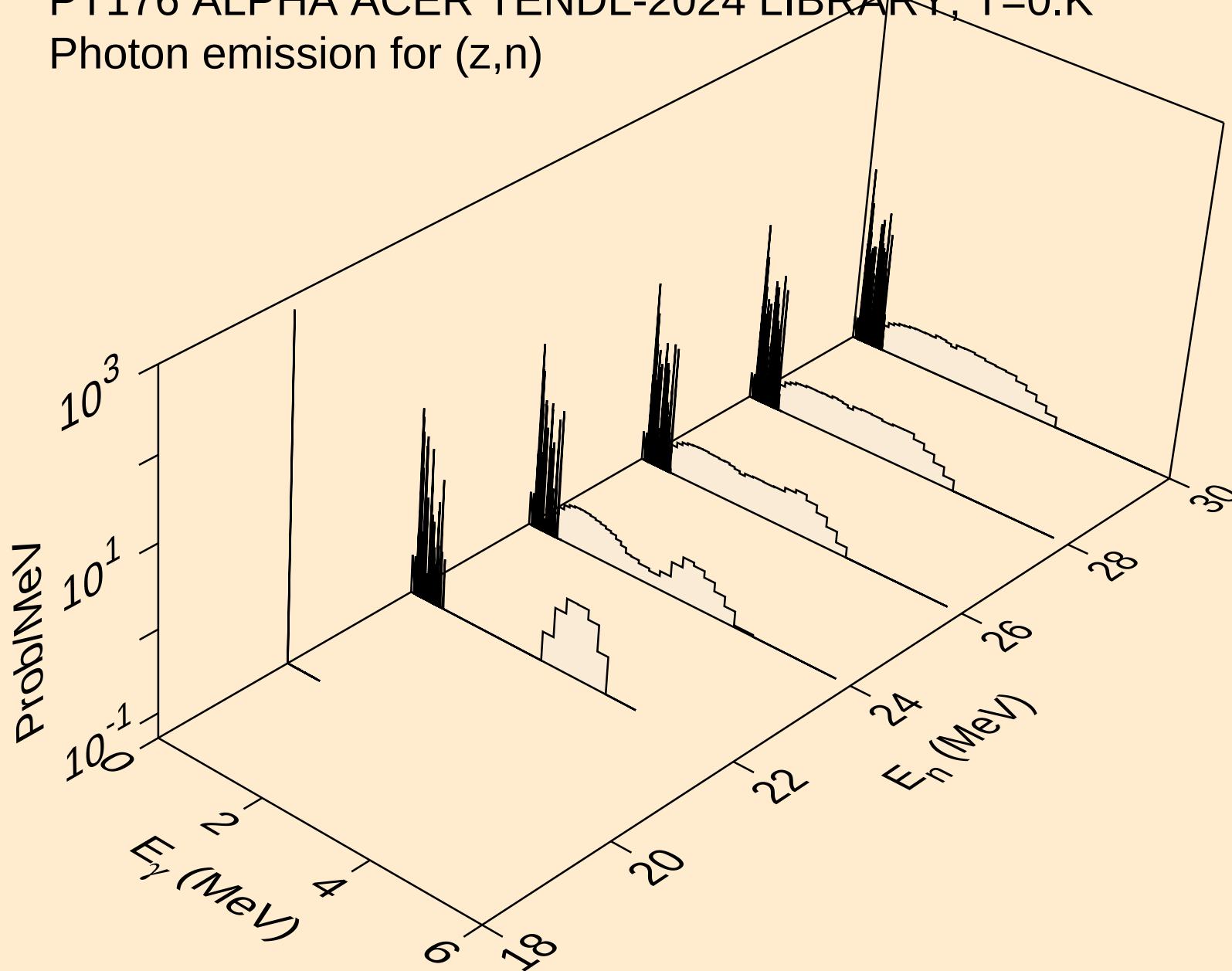


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,pa)

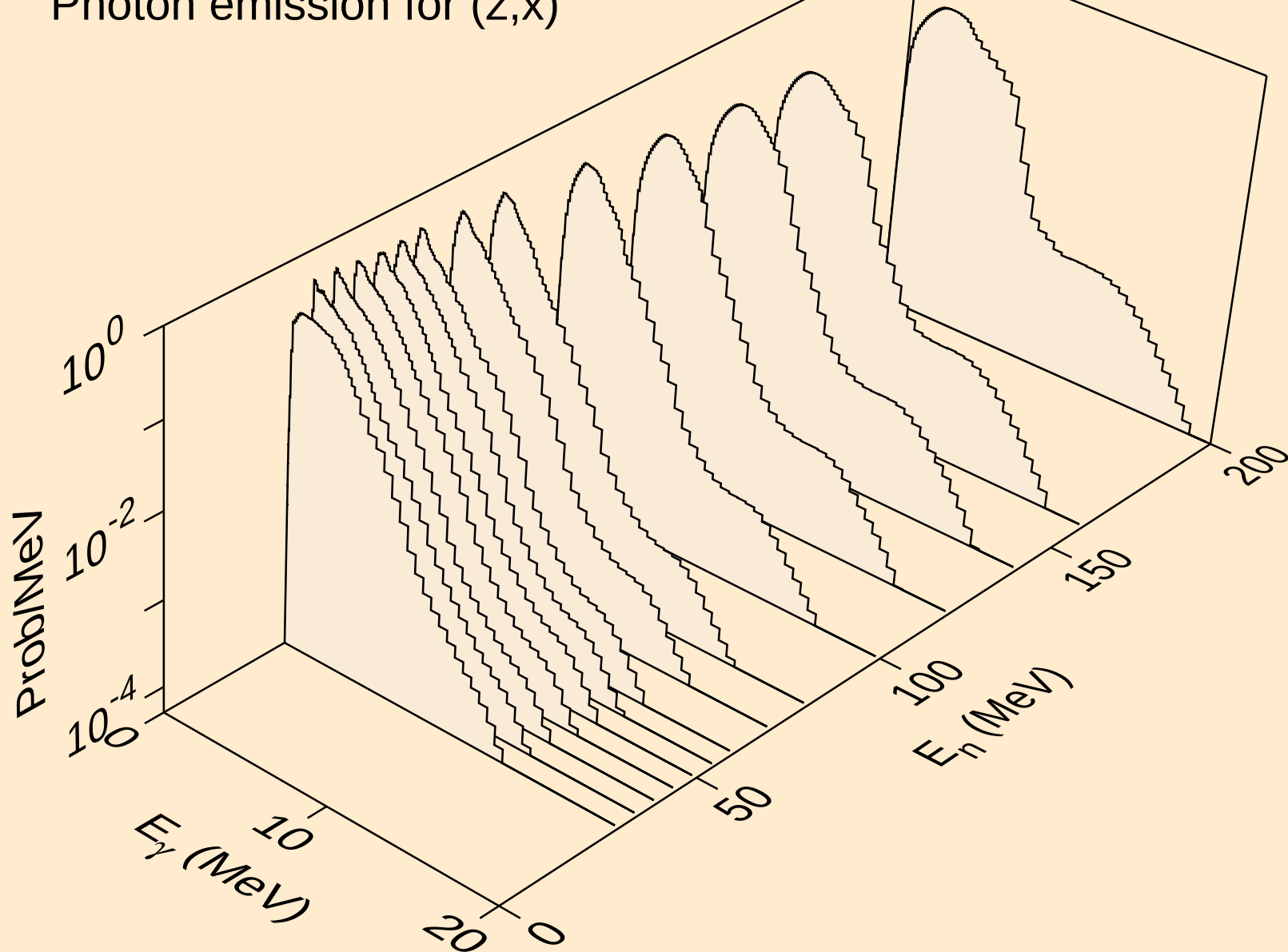


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



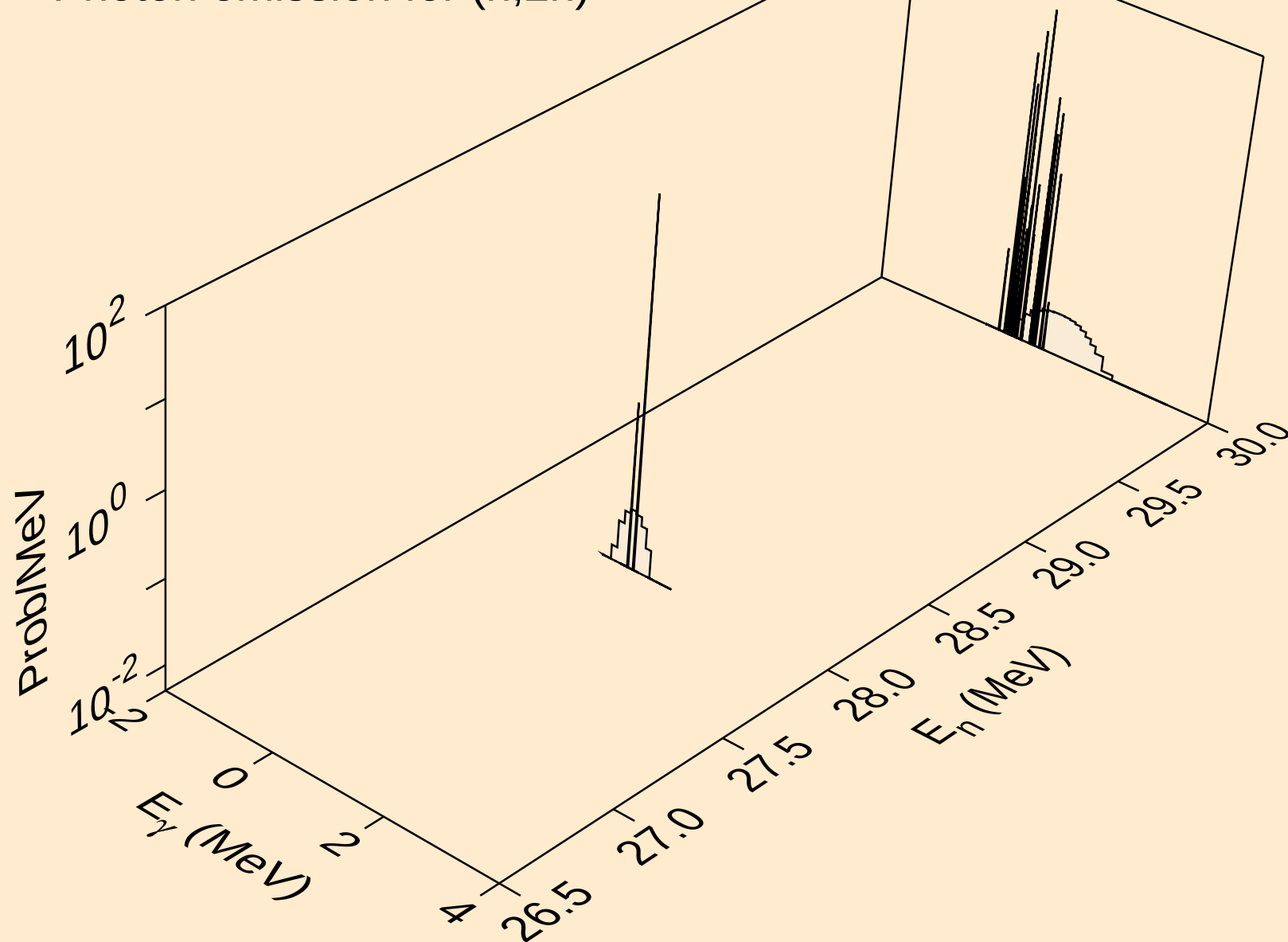
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (z,x)



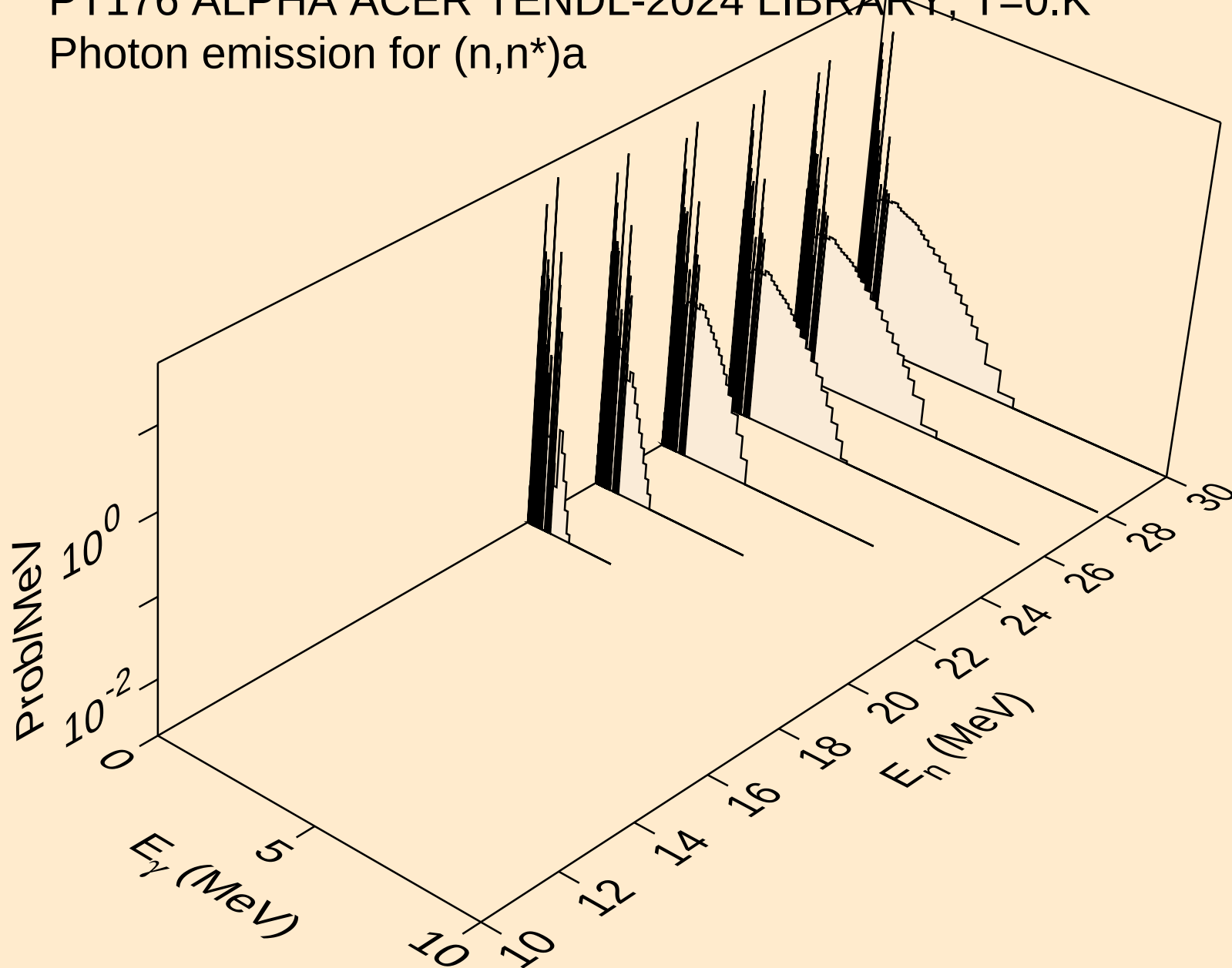
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)



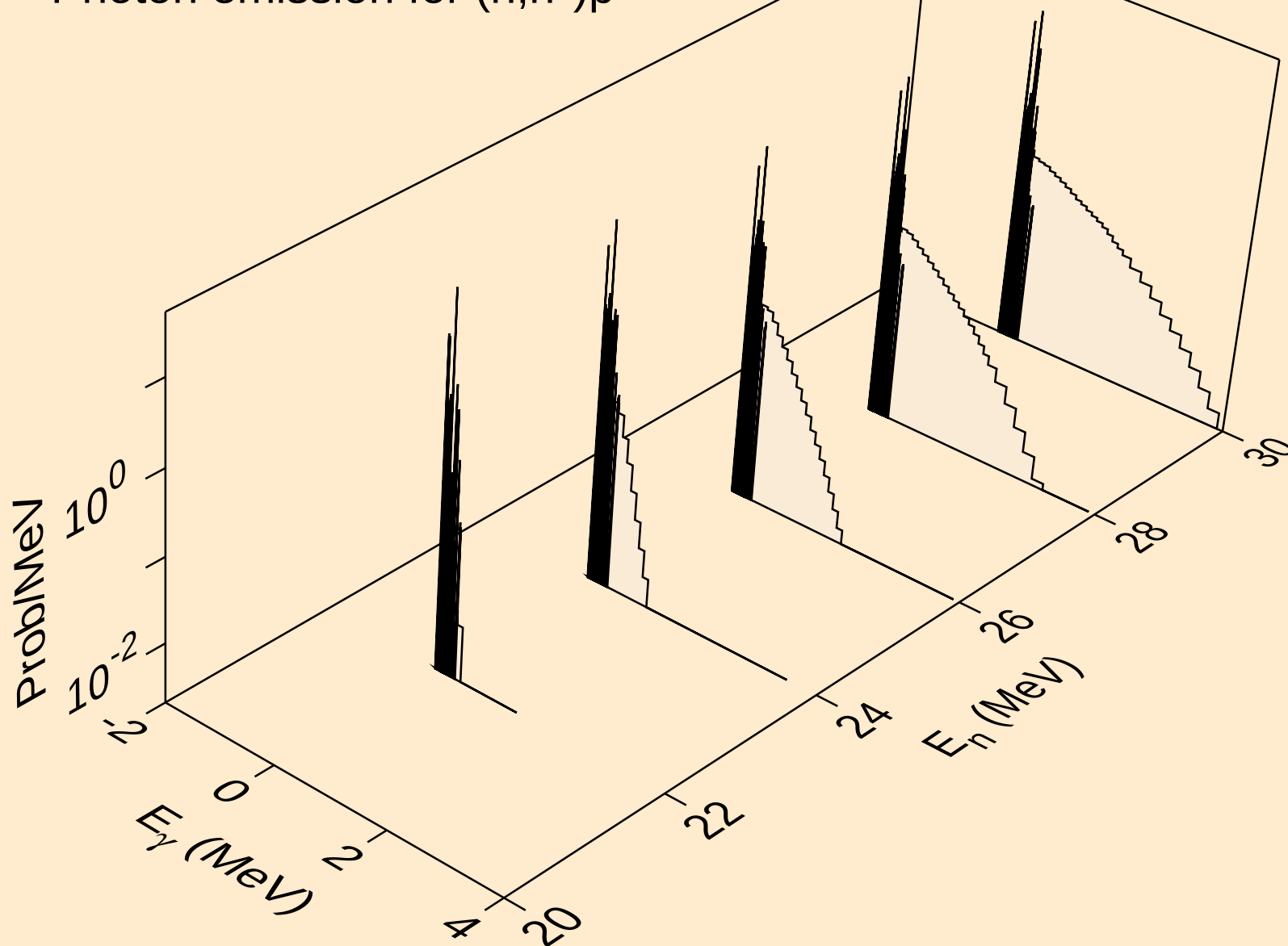
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



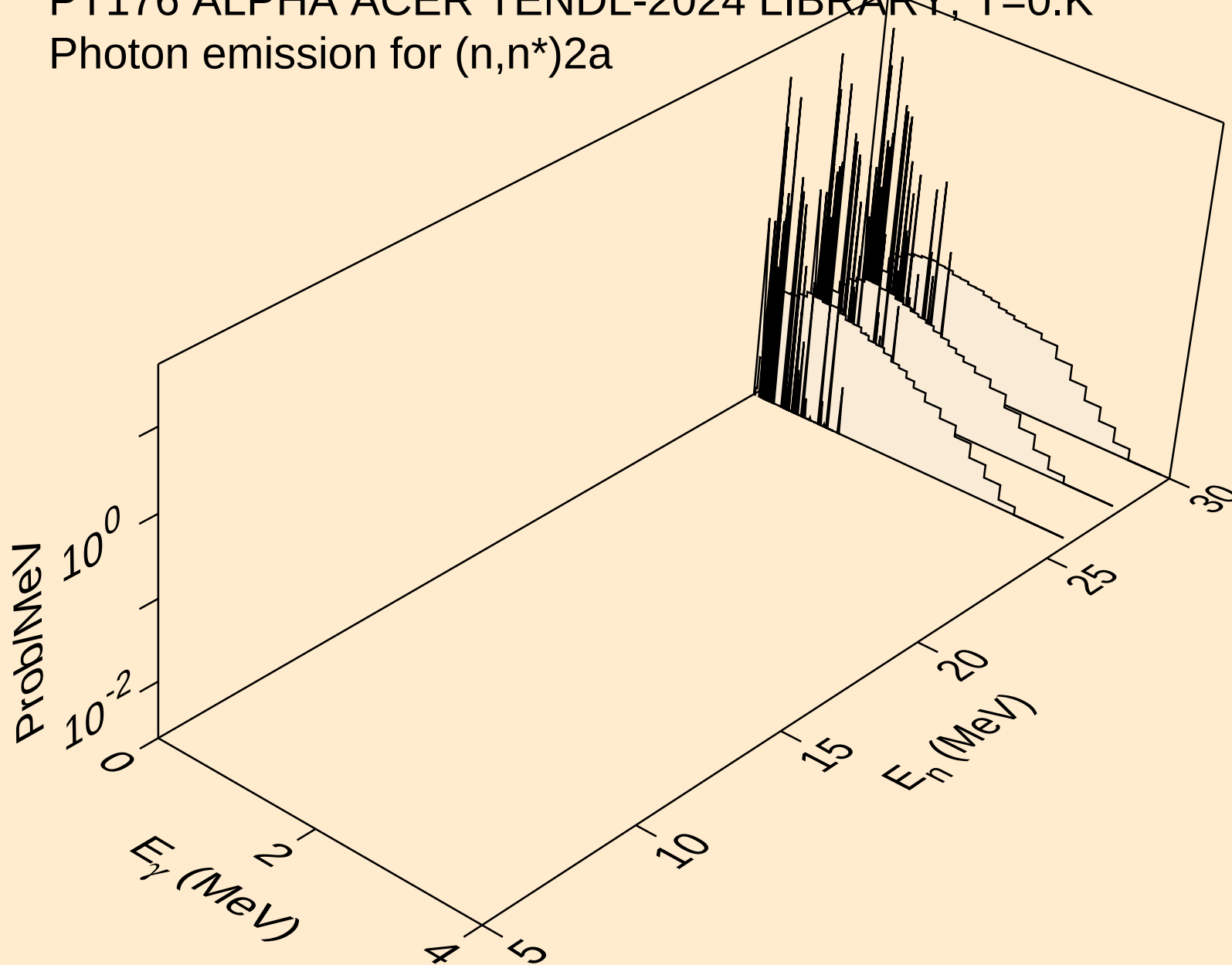
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p

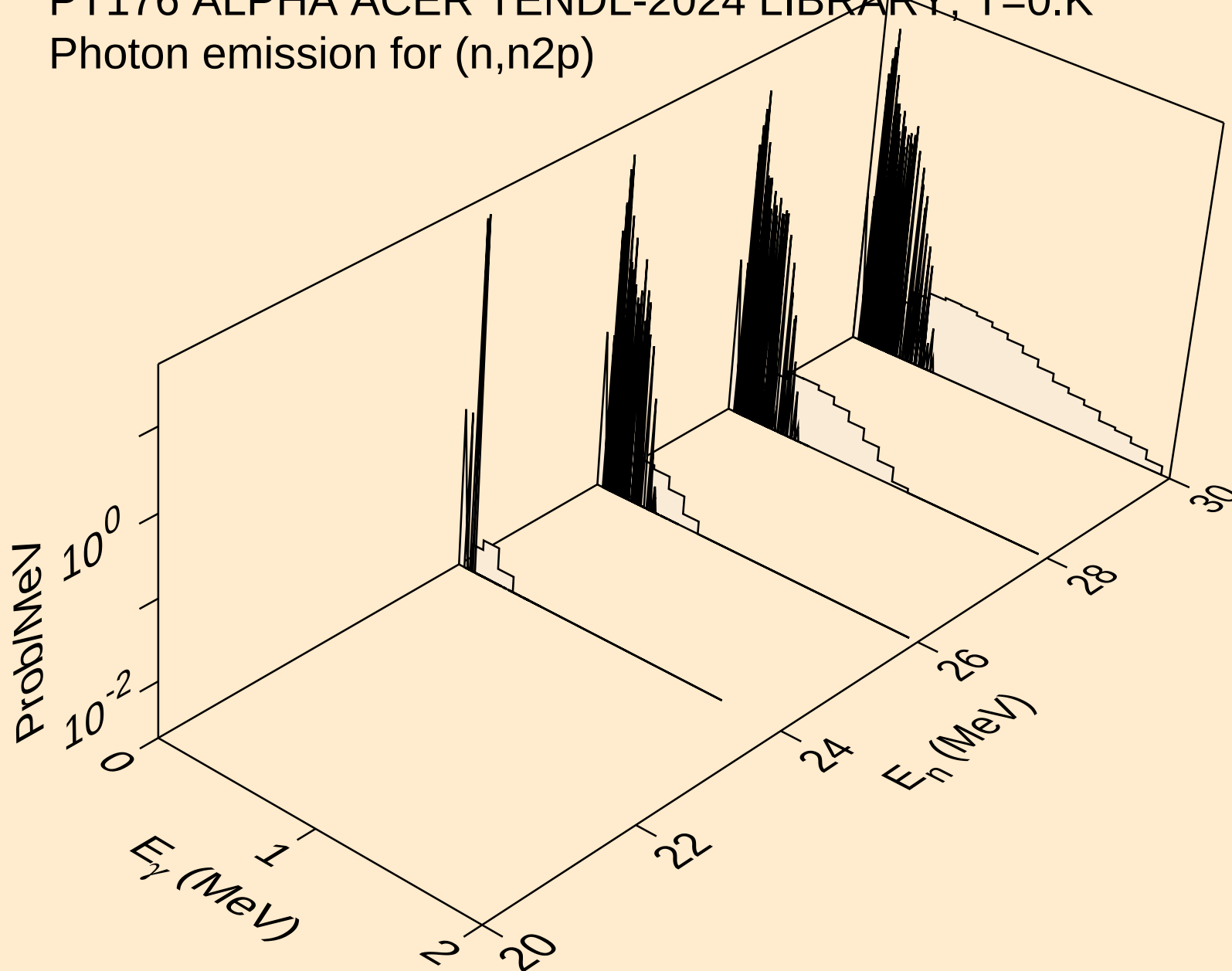


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)2a

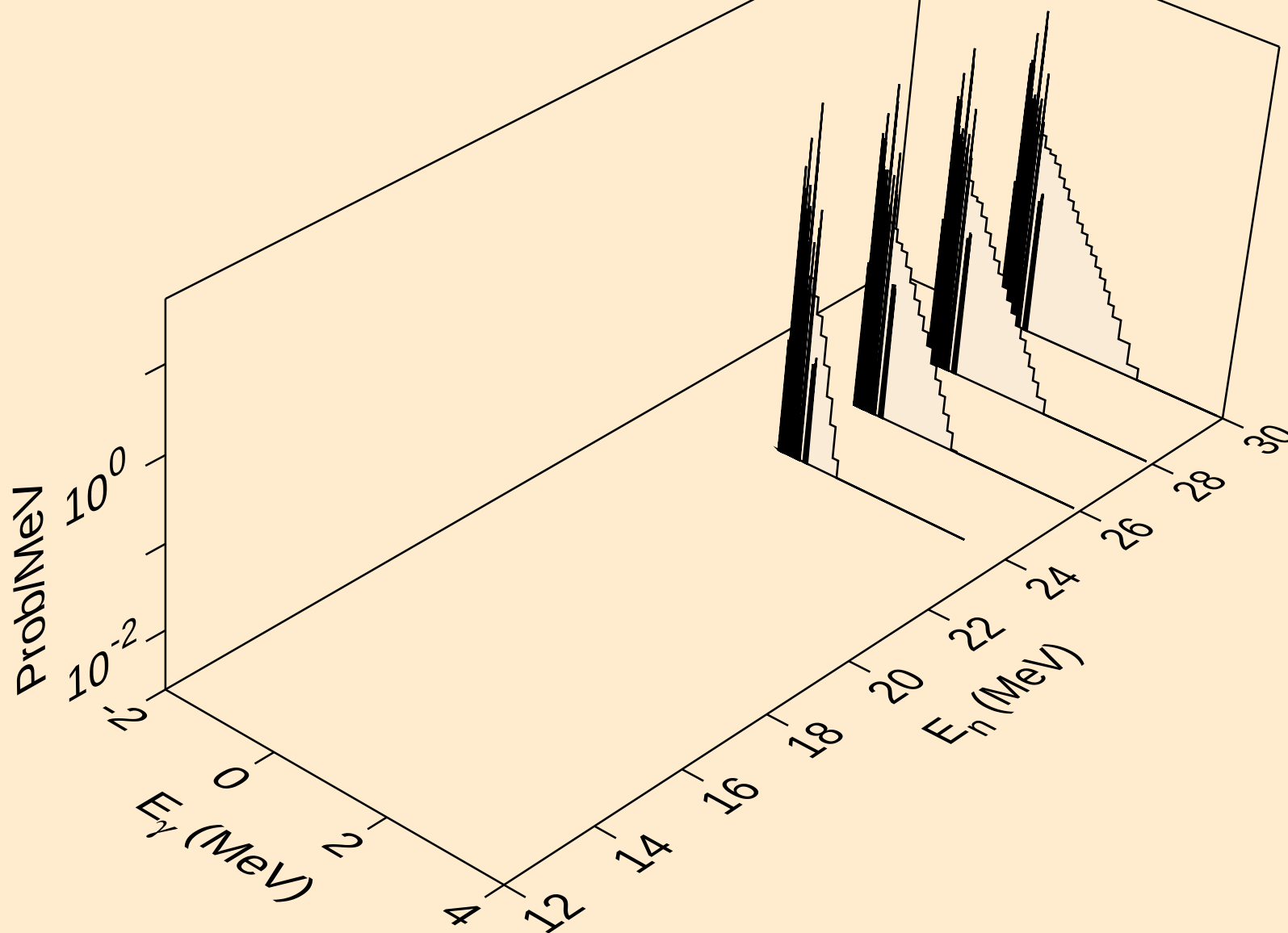


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

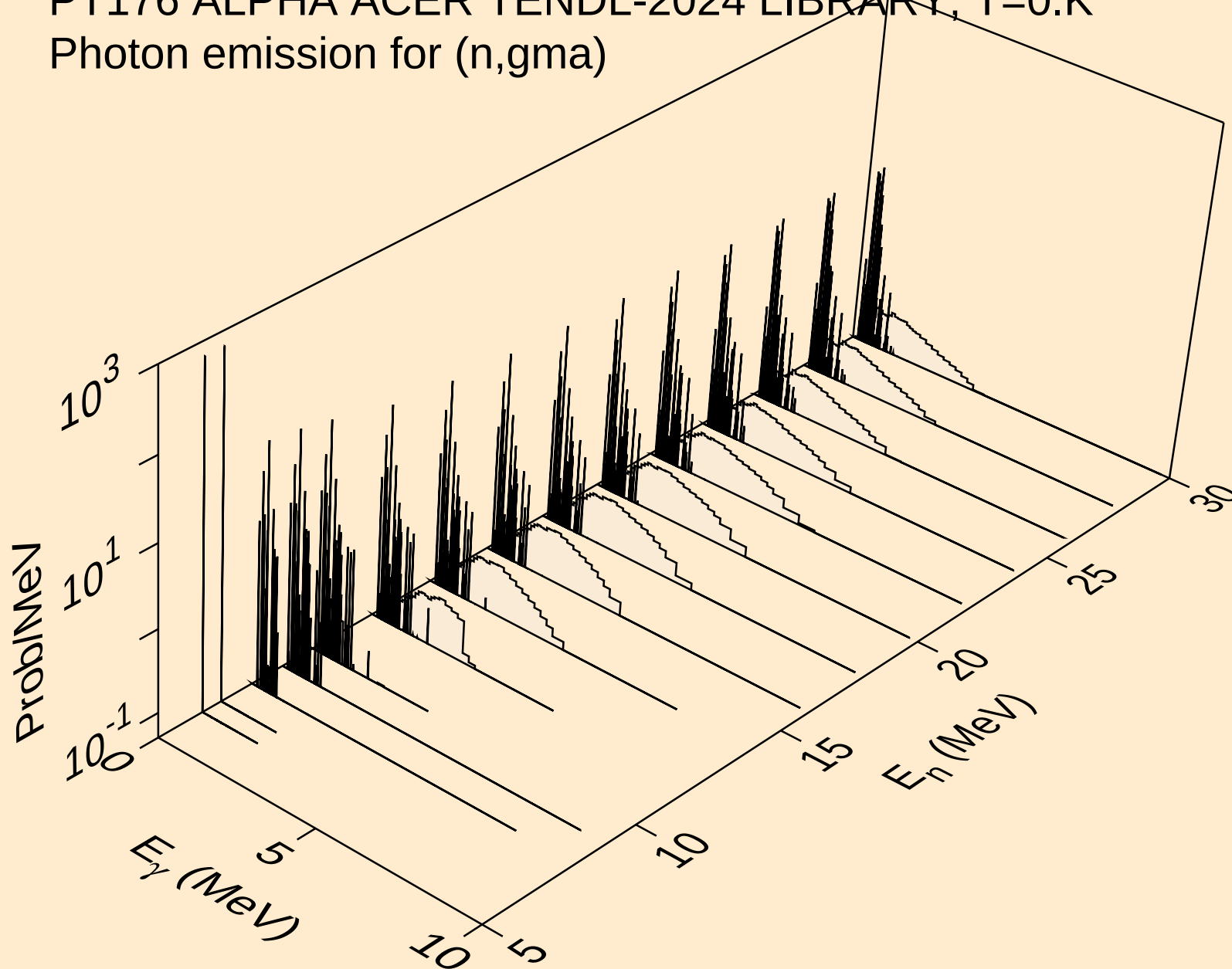


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,npa)

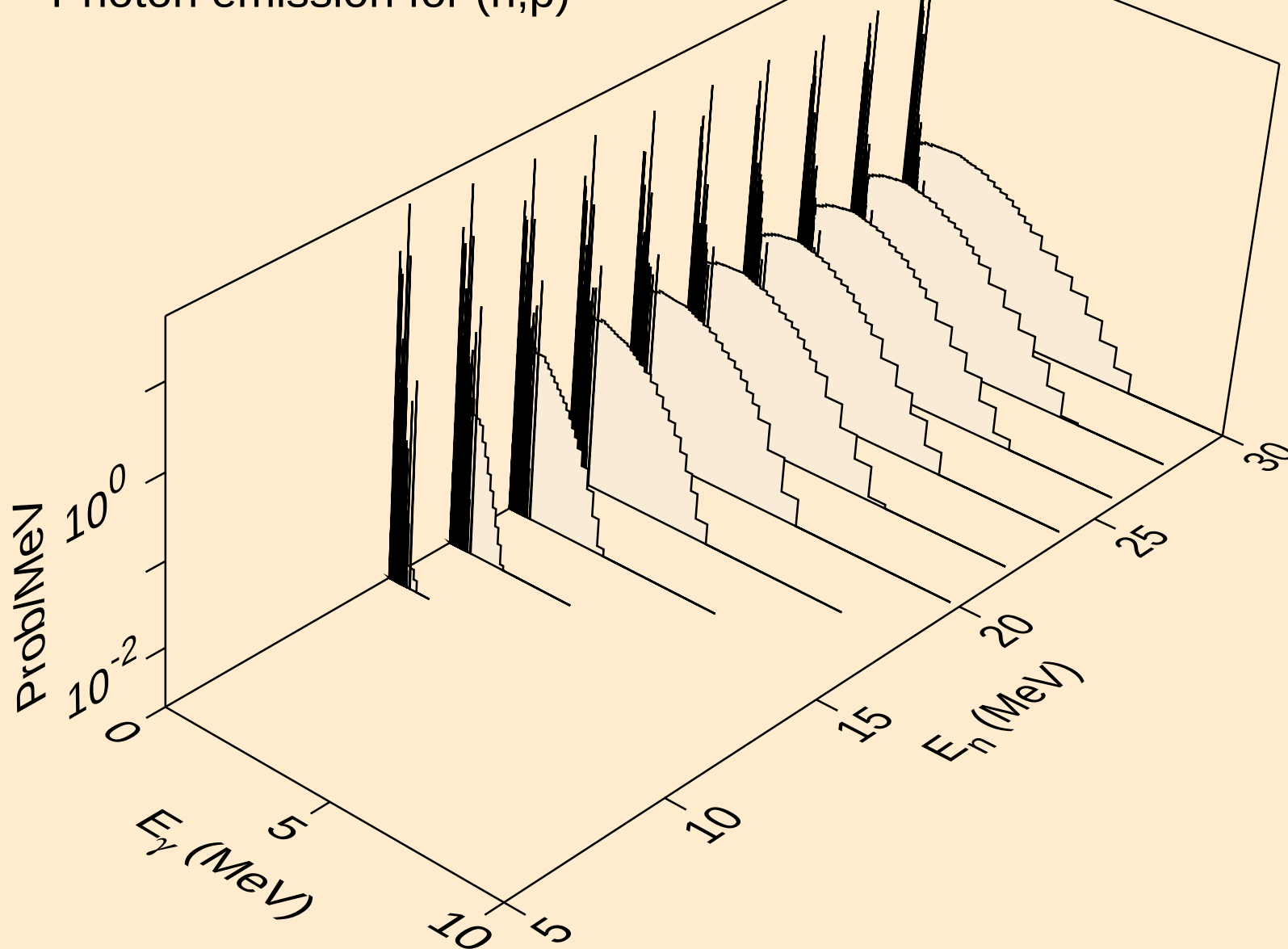


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



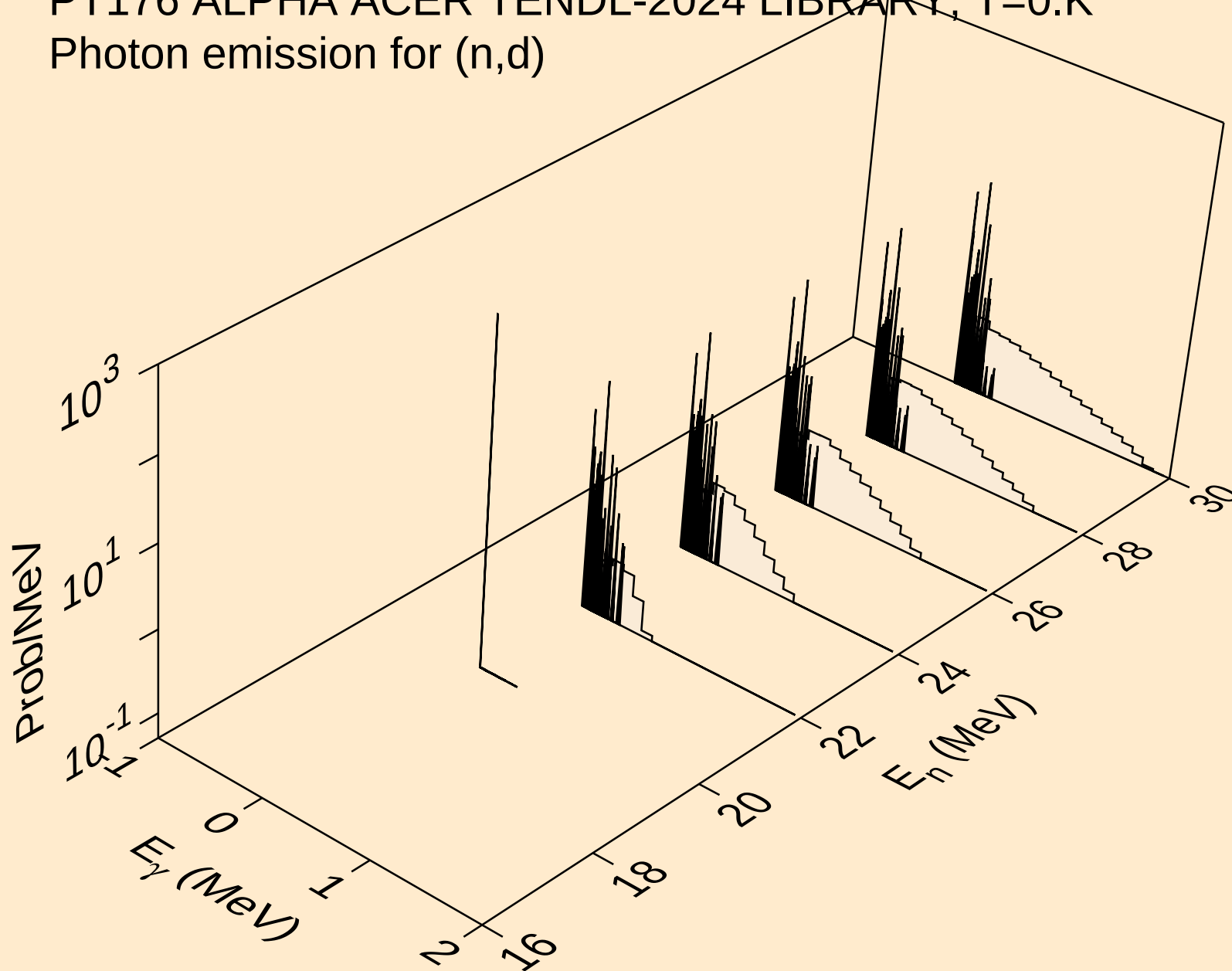
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,p)



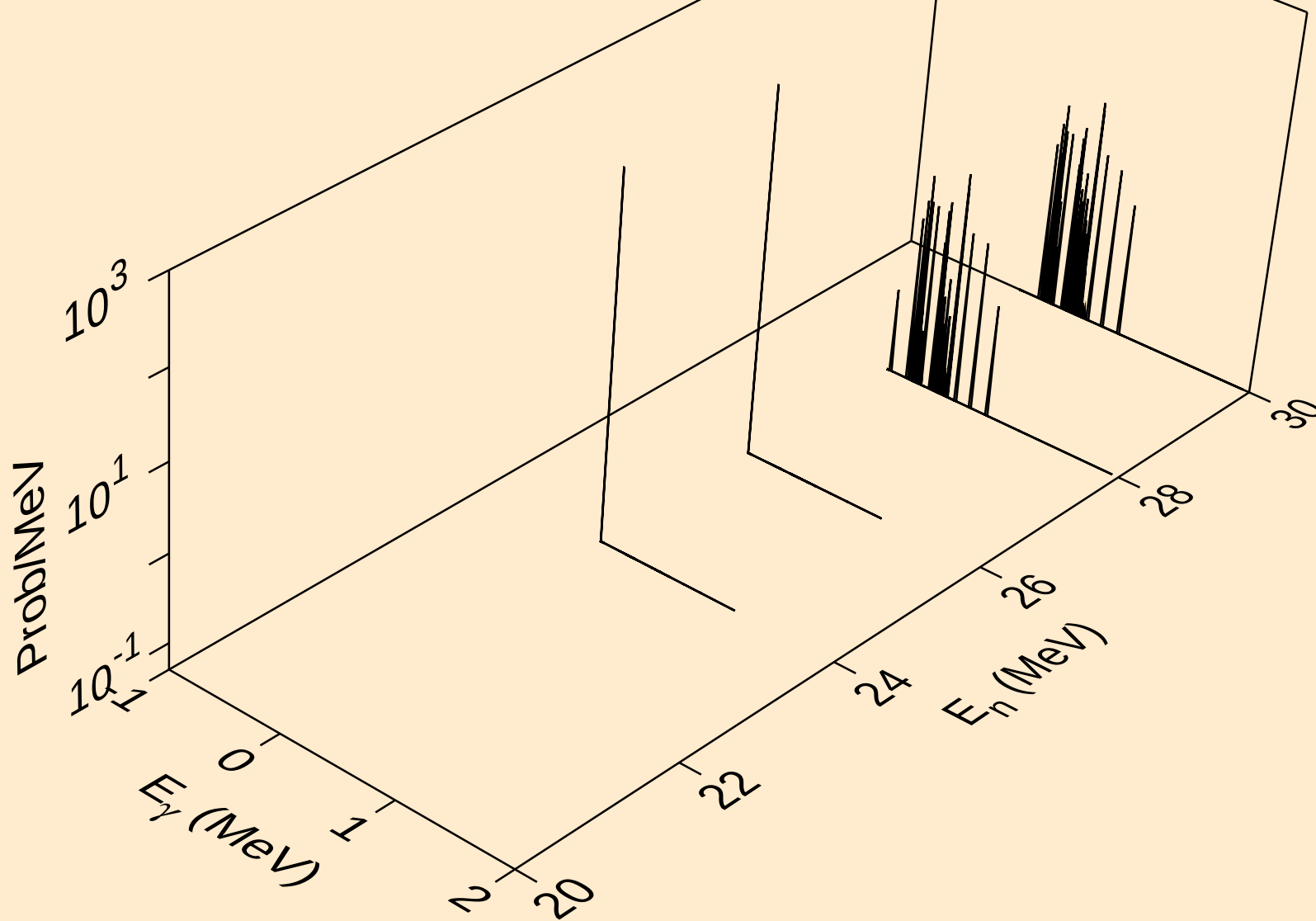
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,d)

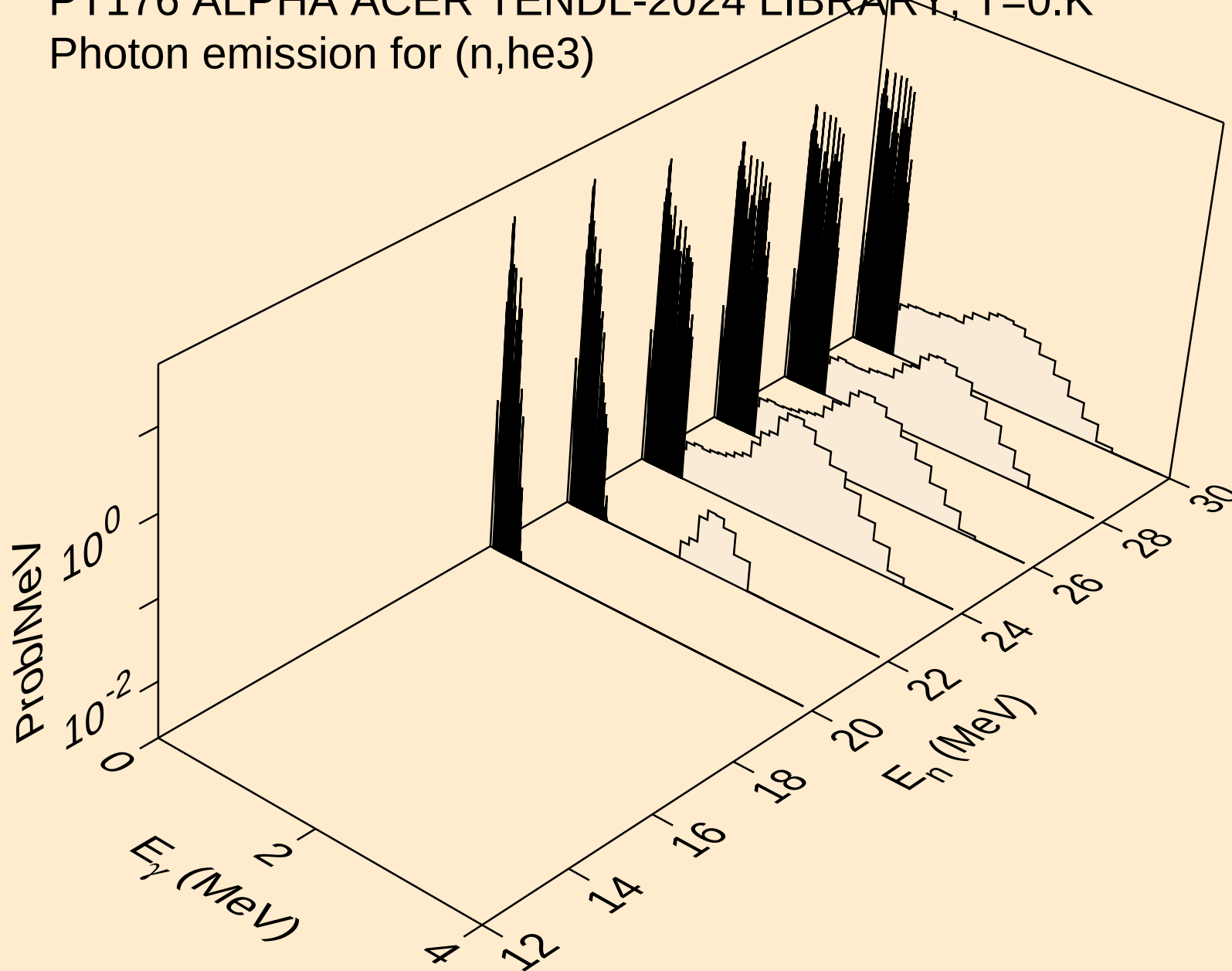


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

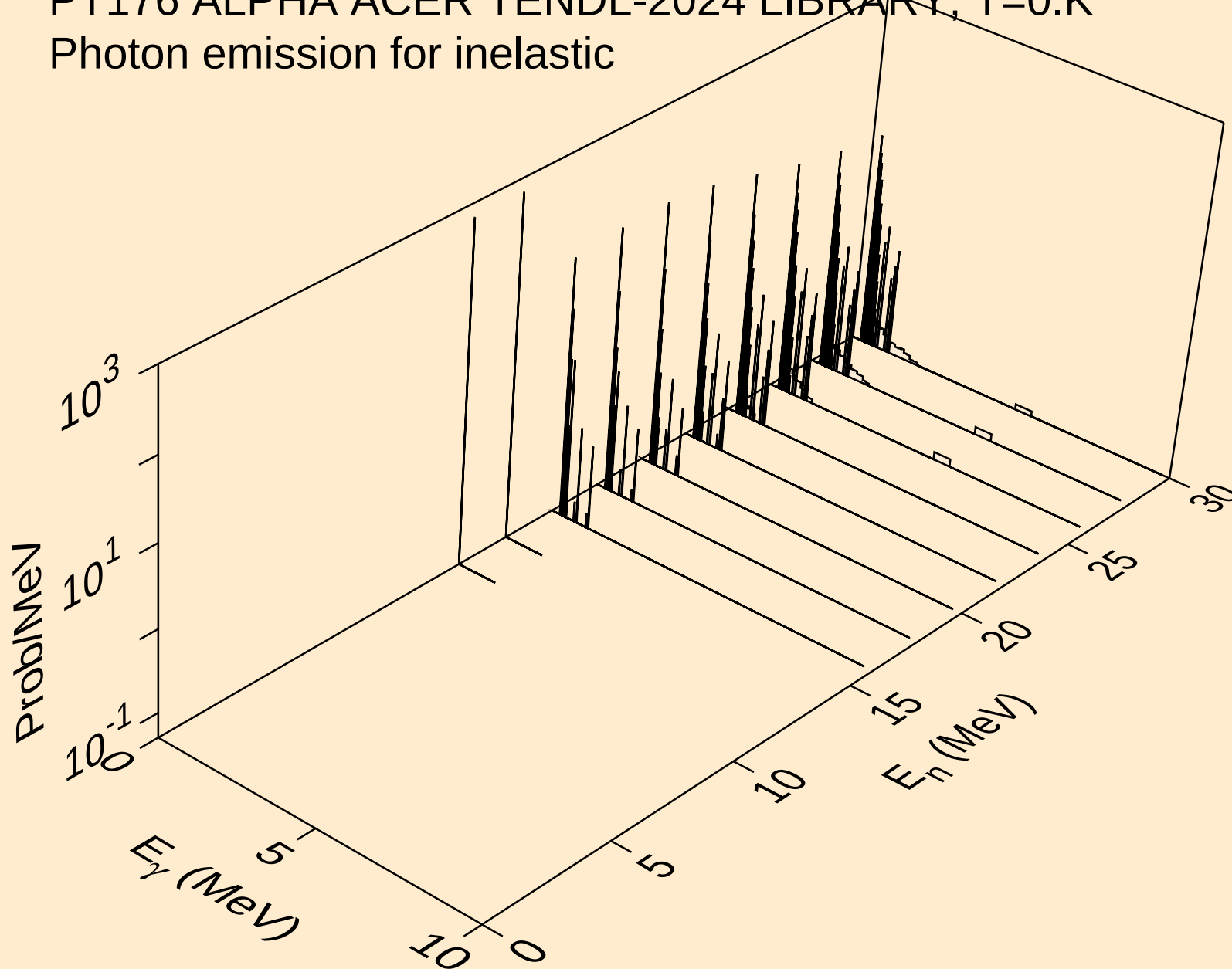
Photon emission for (n,t)



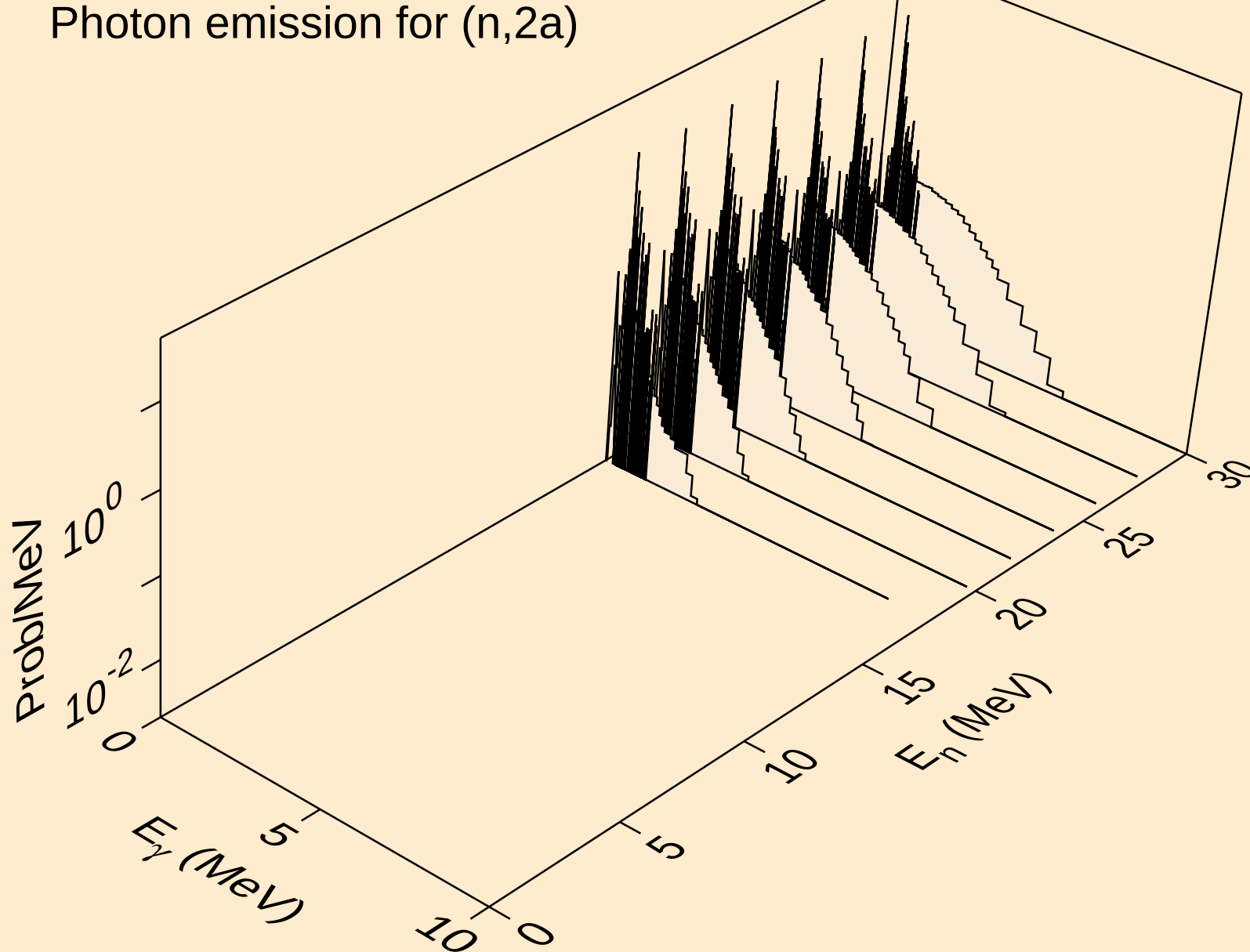
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



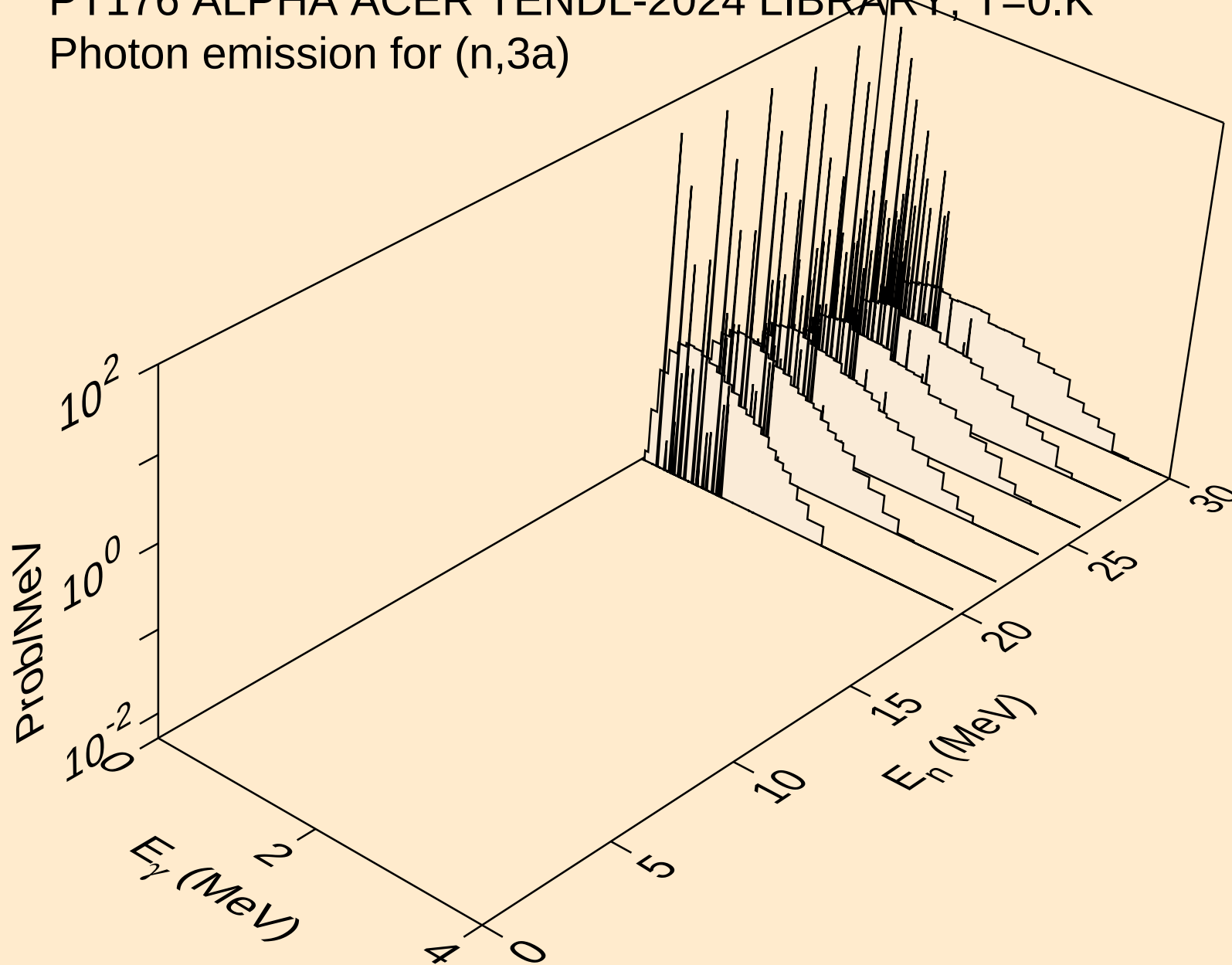
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



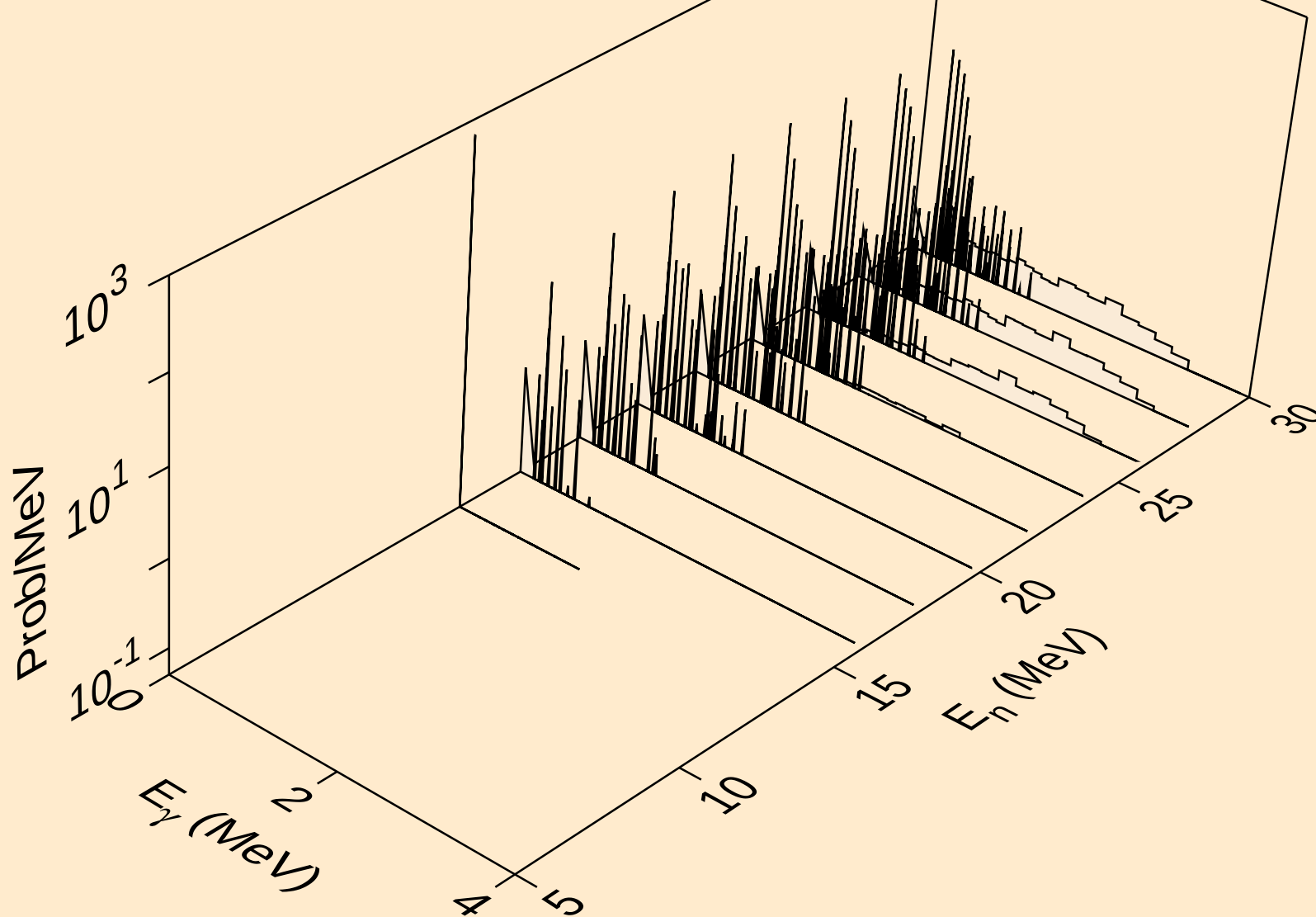
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

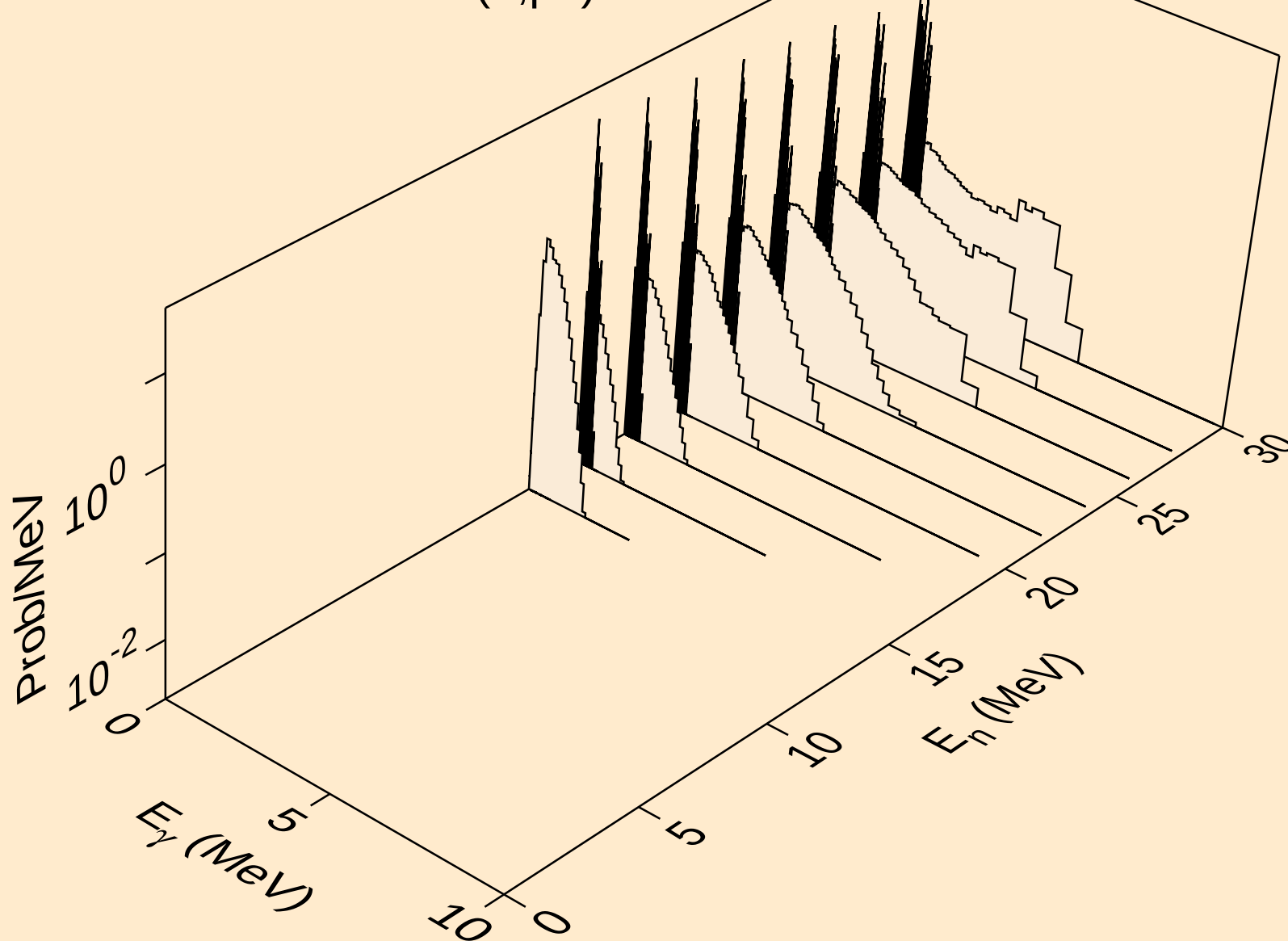


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



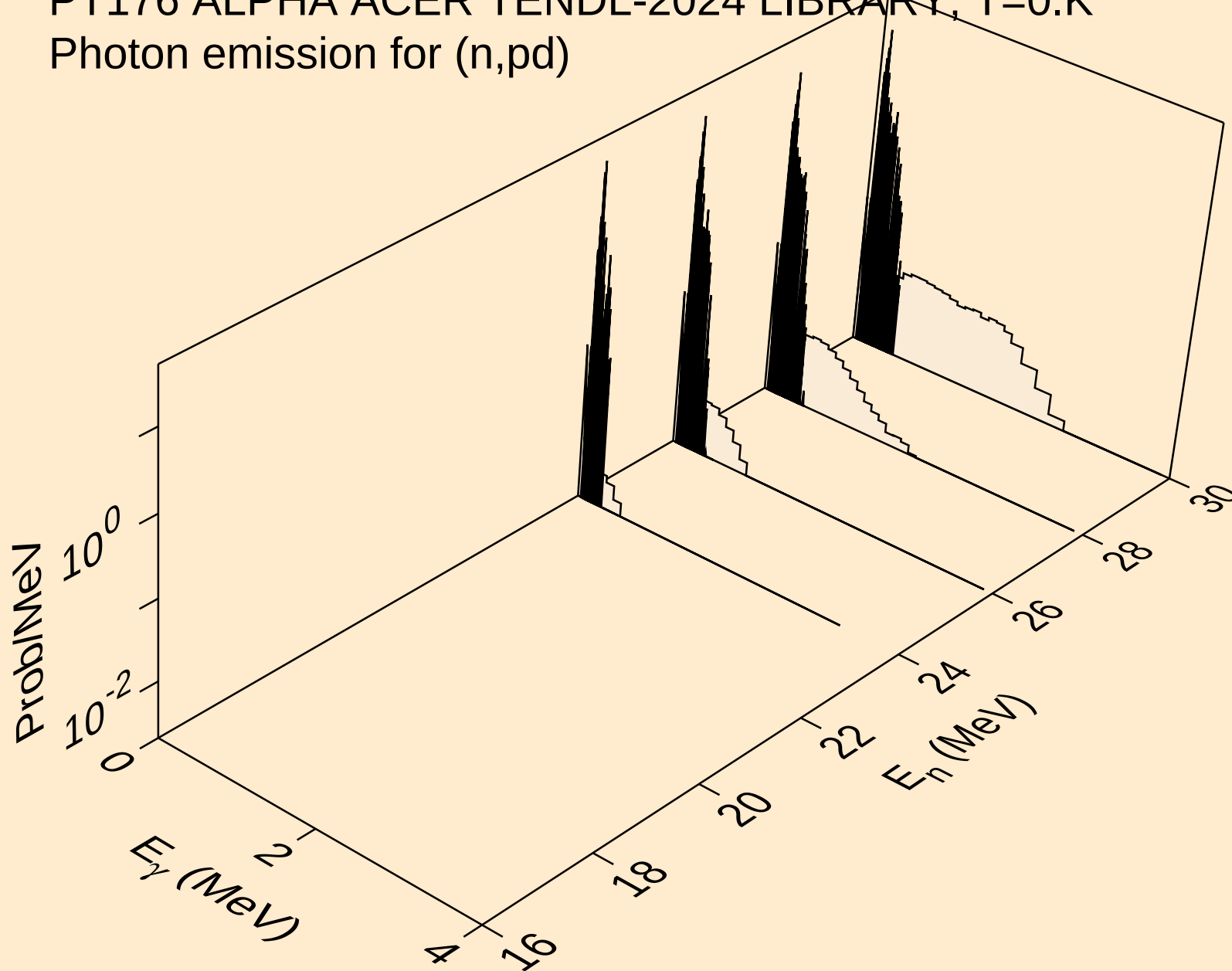
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

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



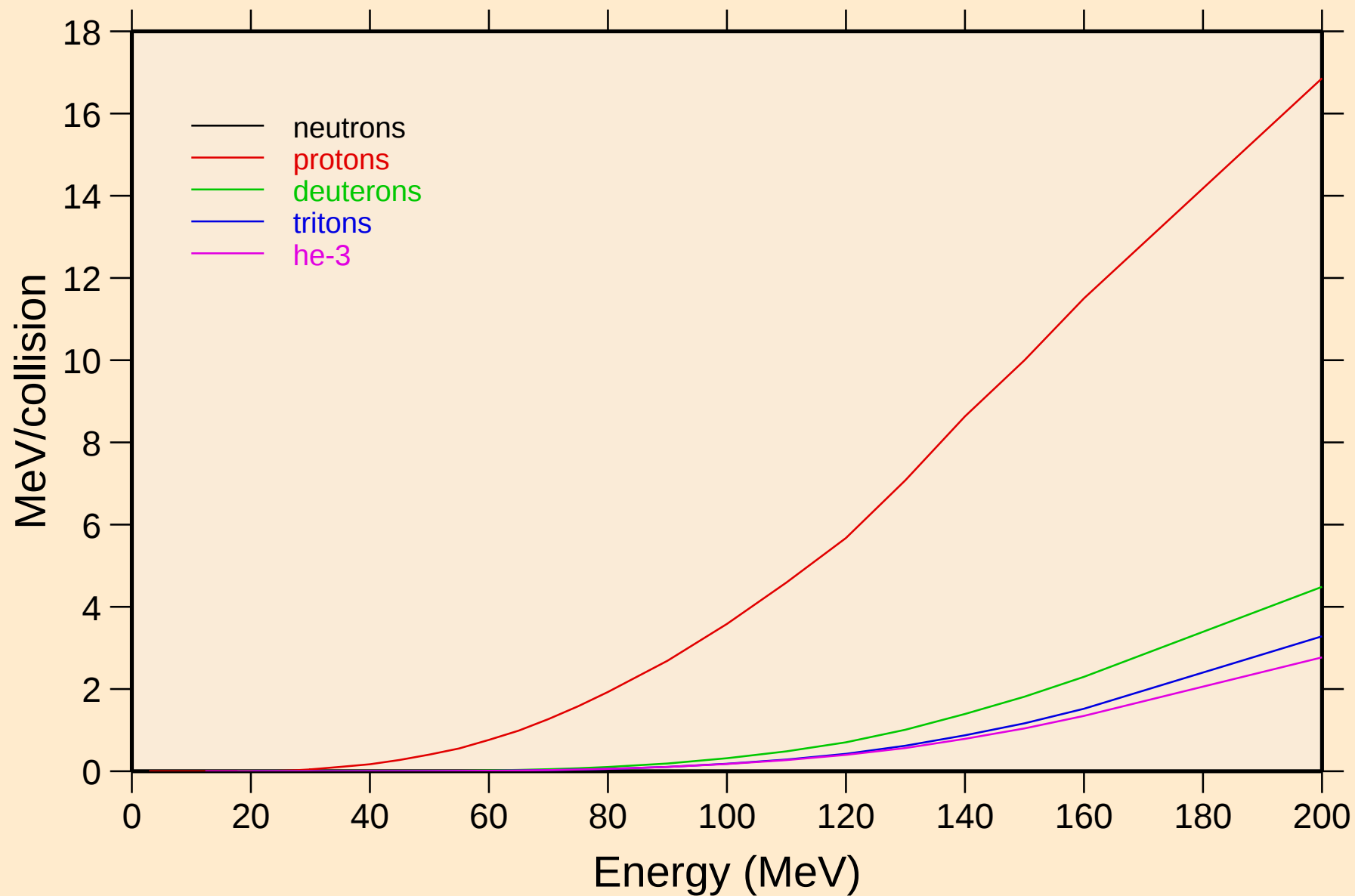
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pd)



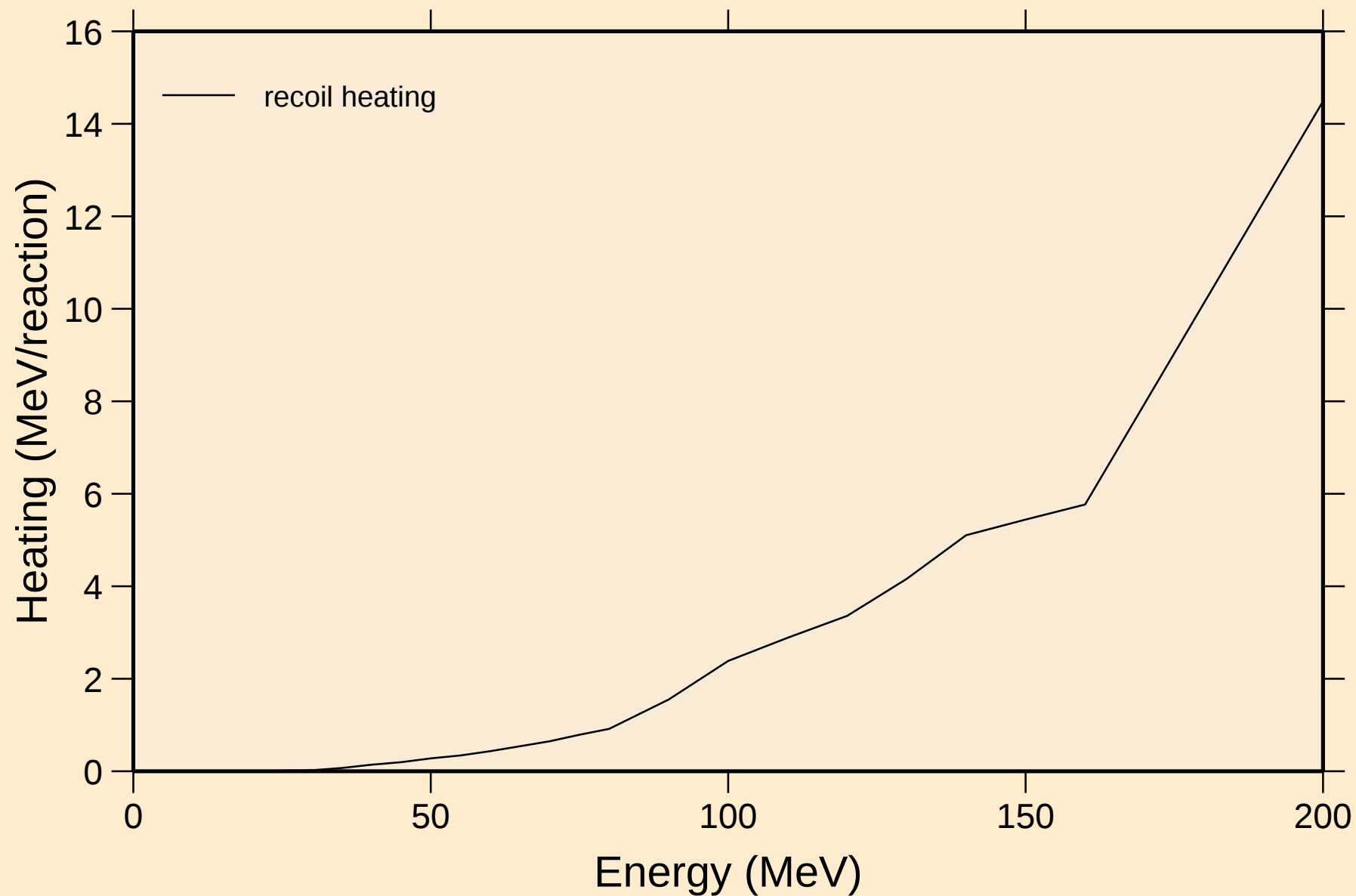
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## Particle heating contributions



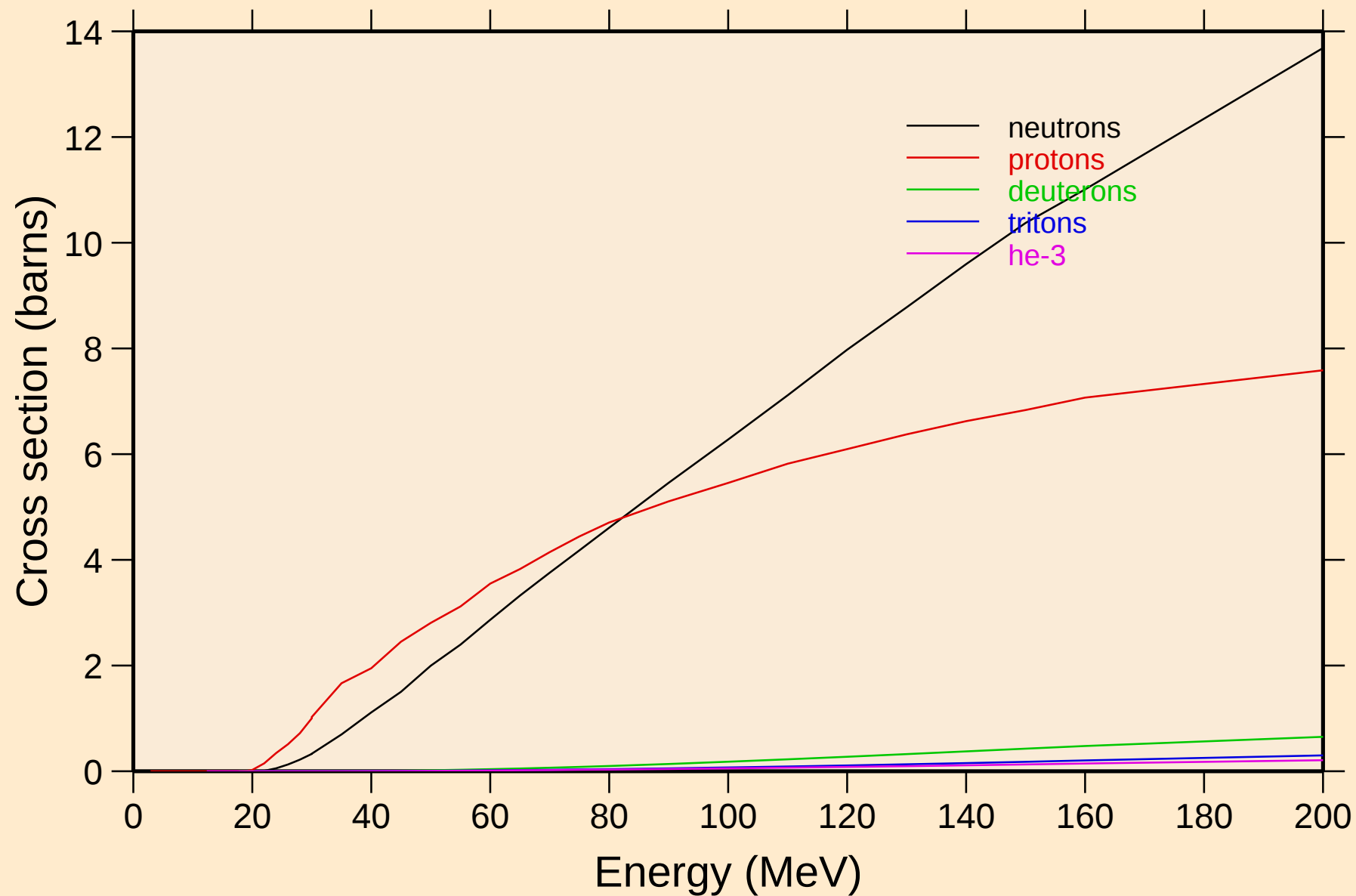
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## Recoil Heating

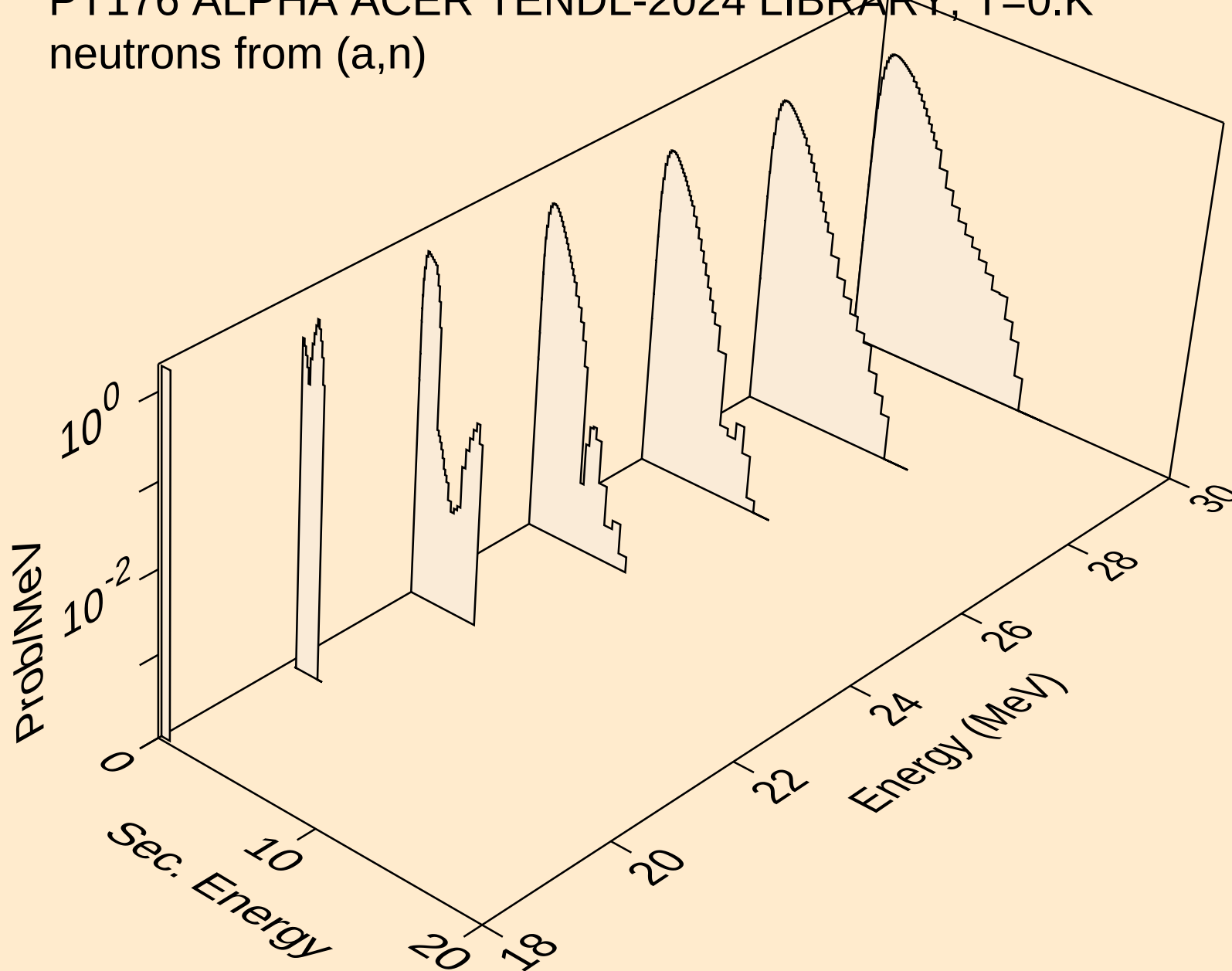


PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

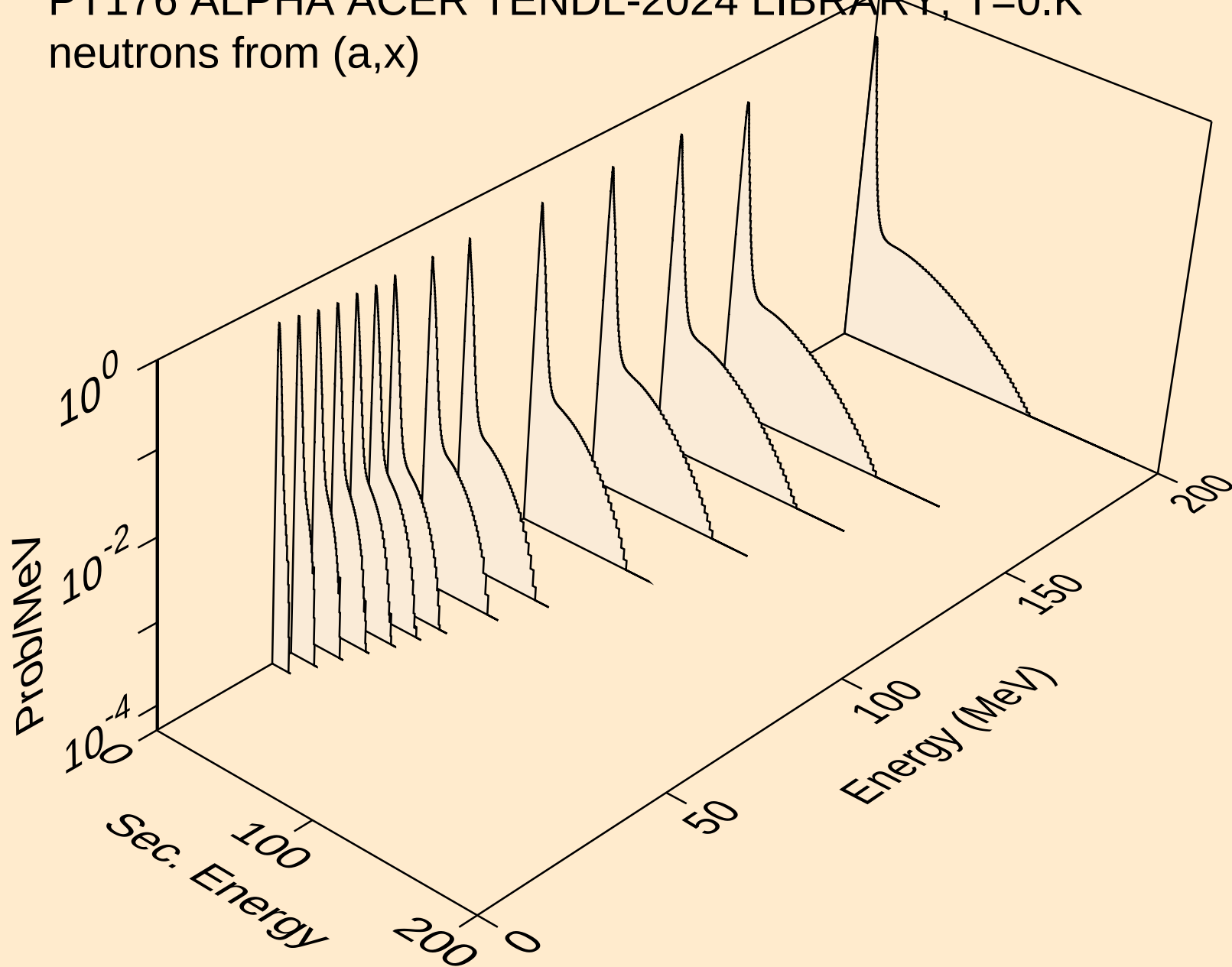
Particle production cross sections



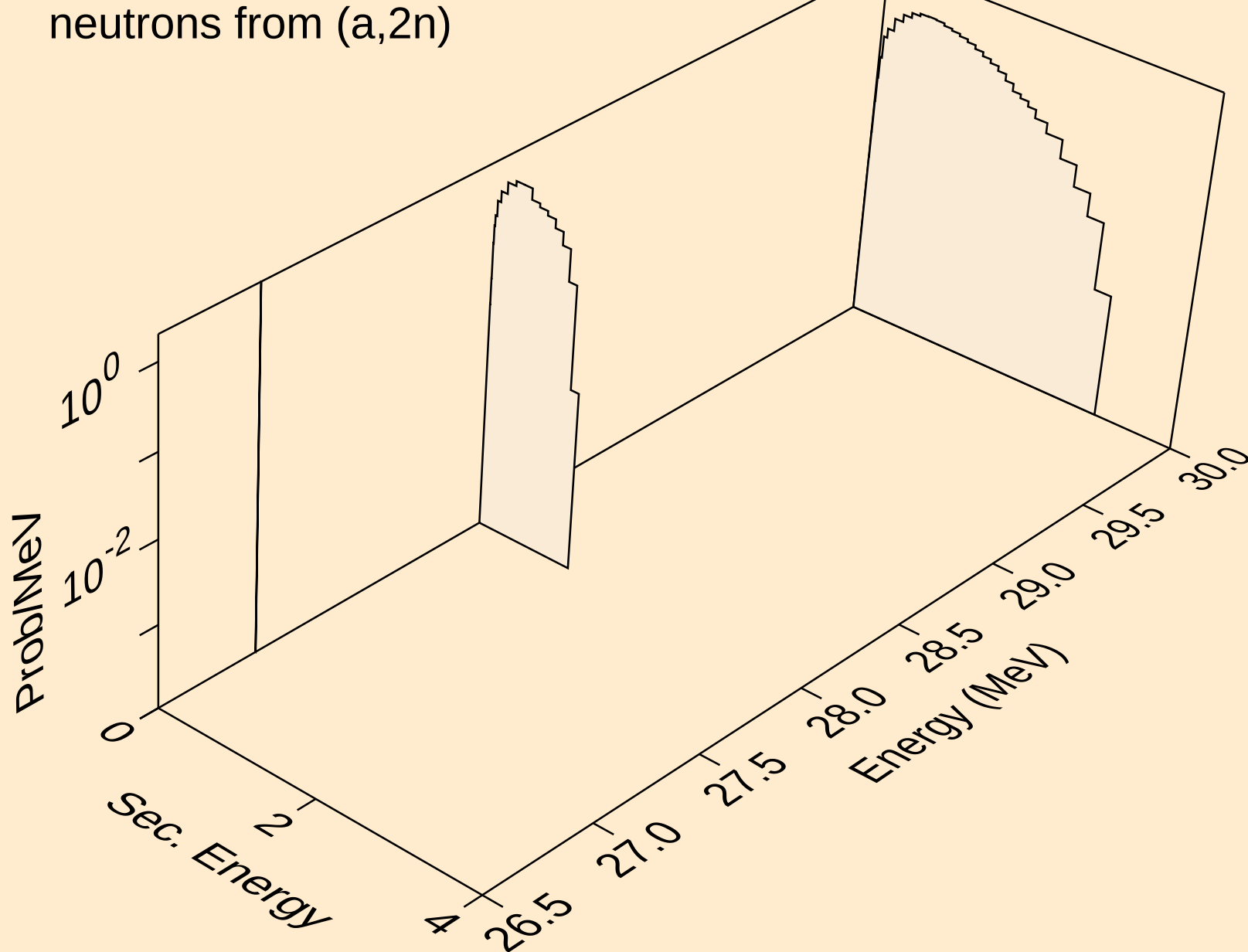
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



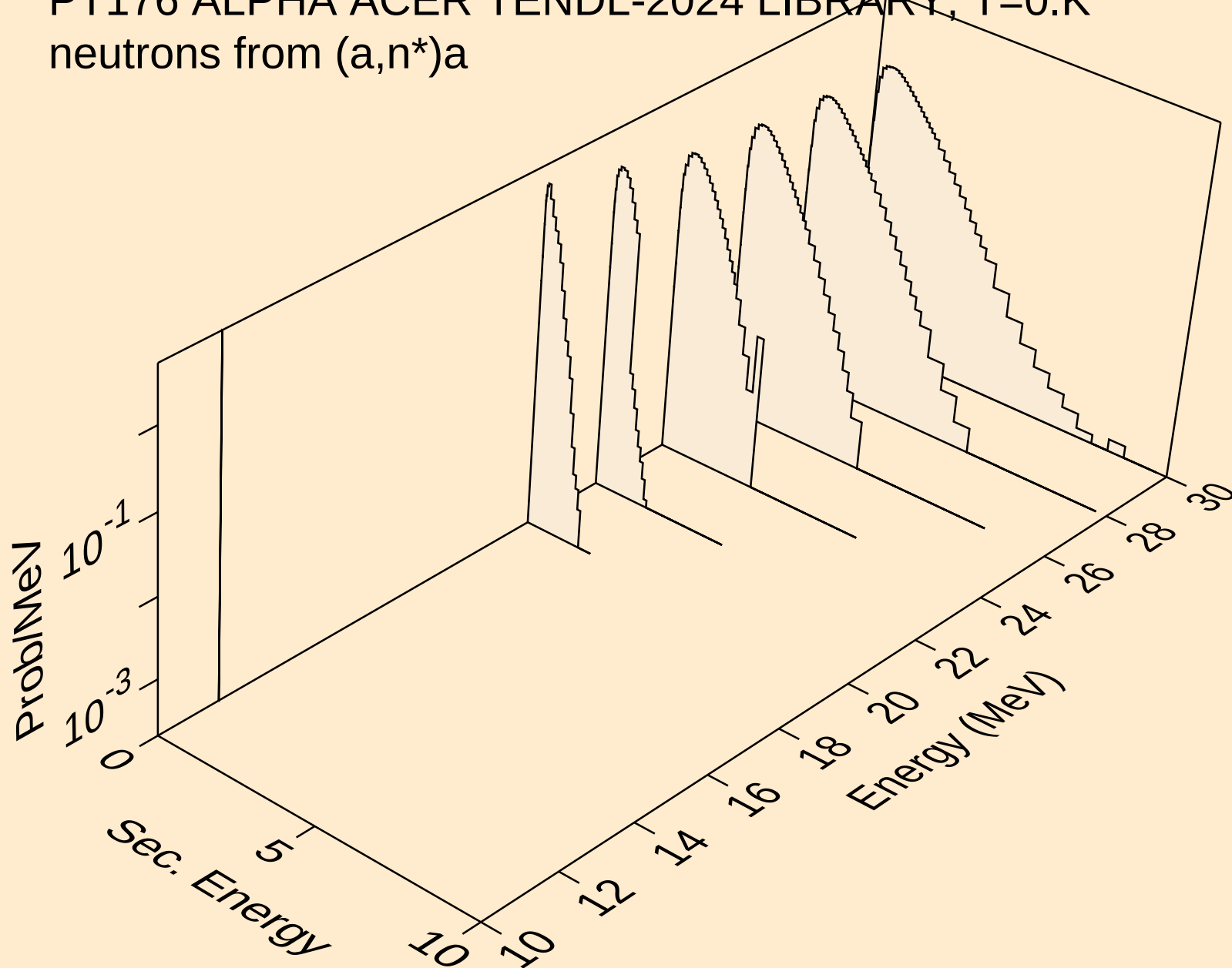
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



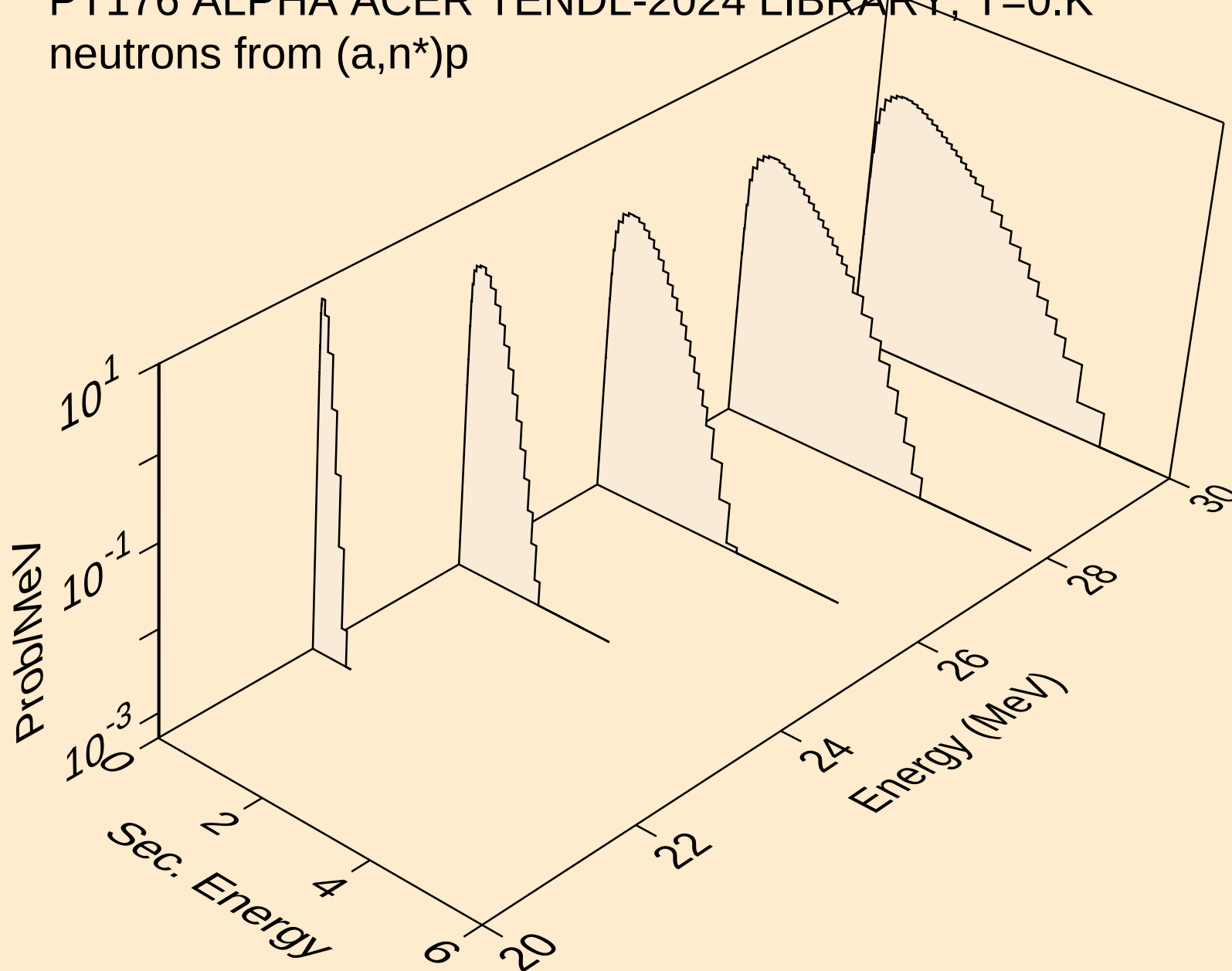
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



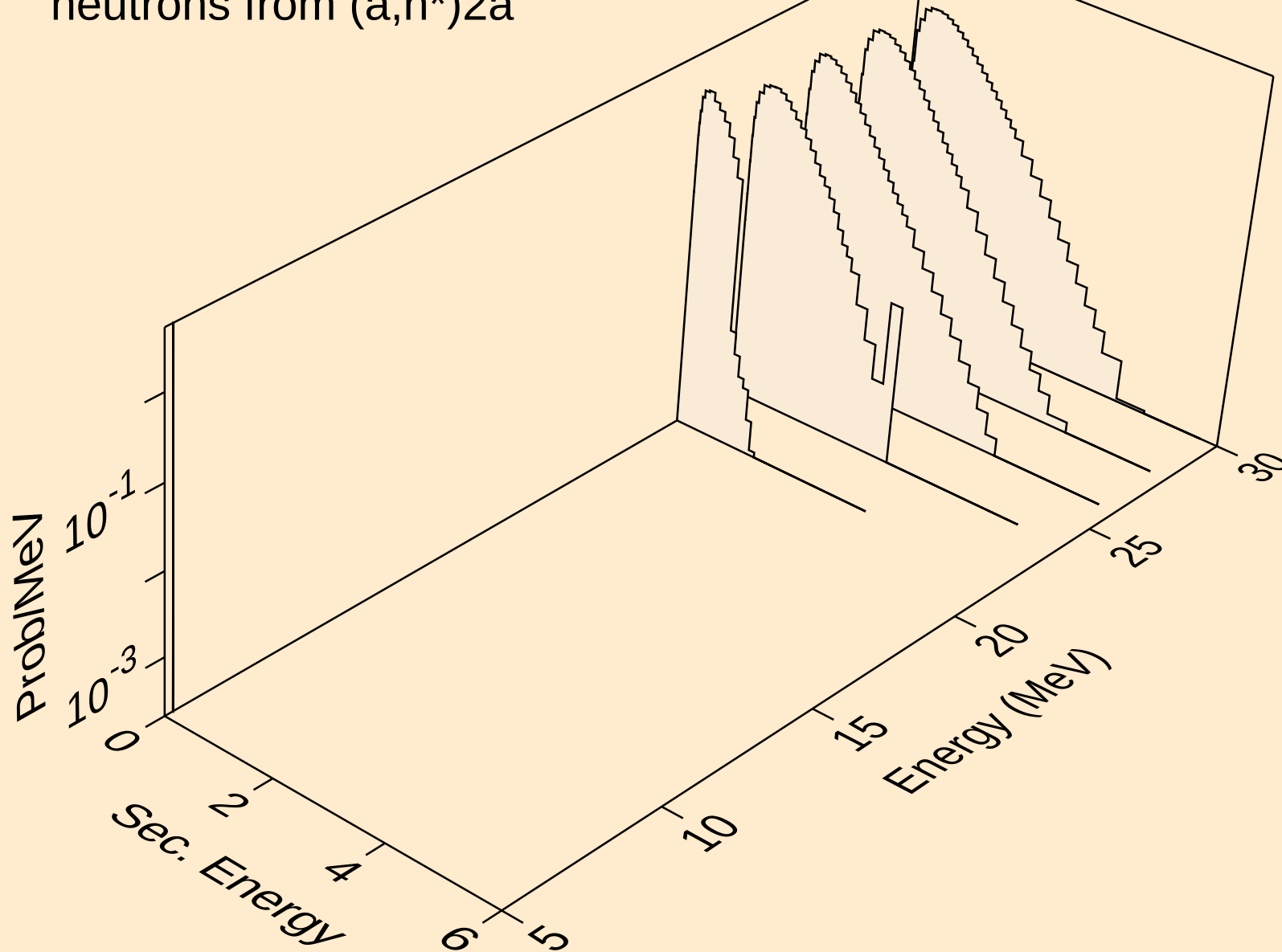
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



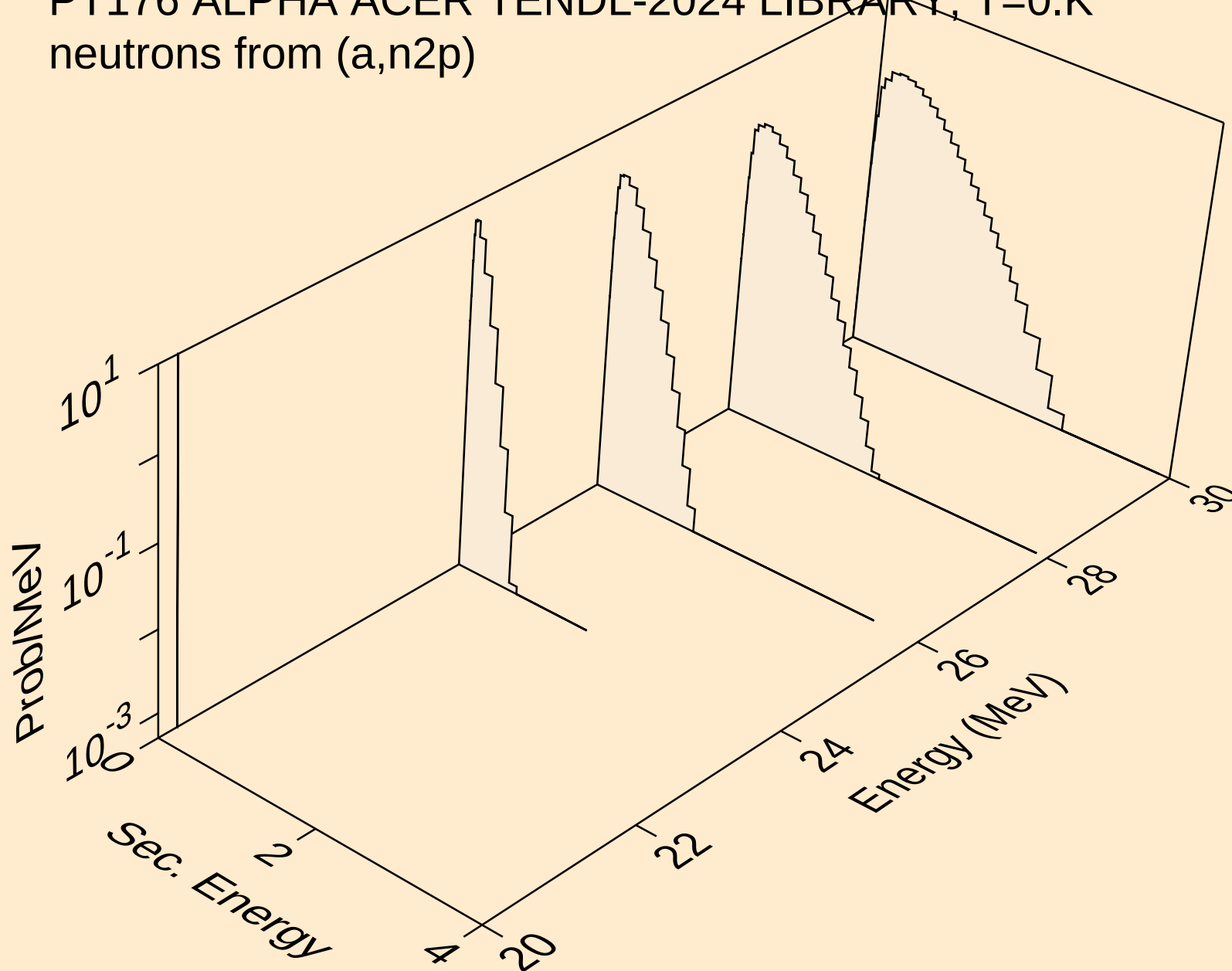
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



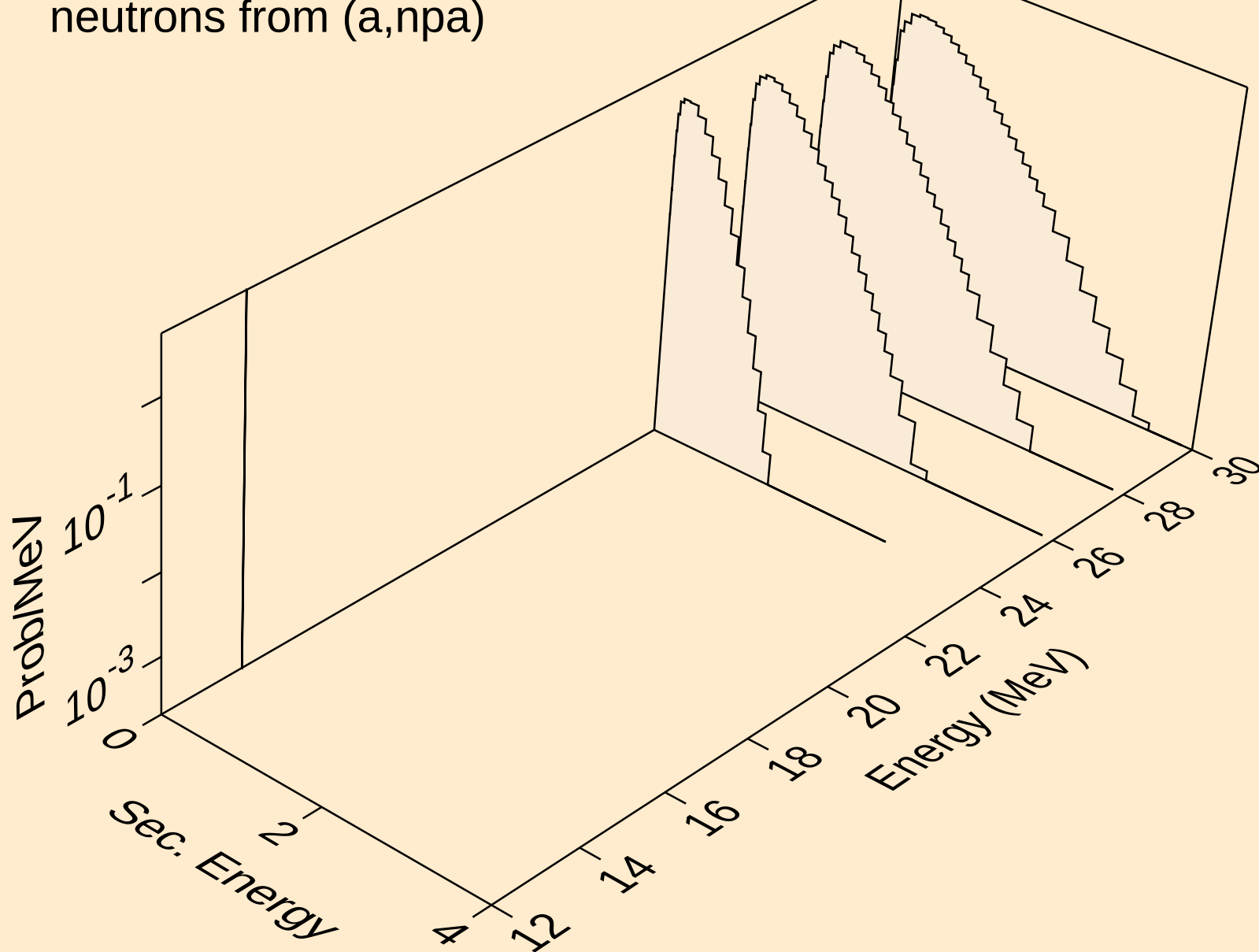
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



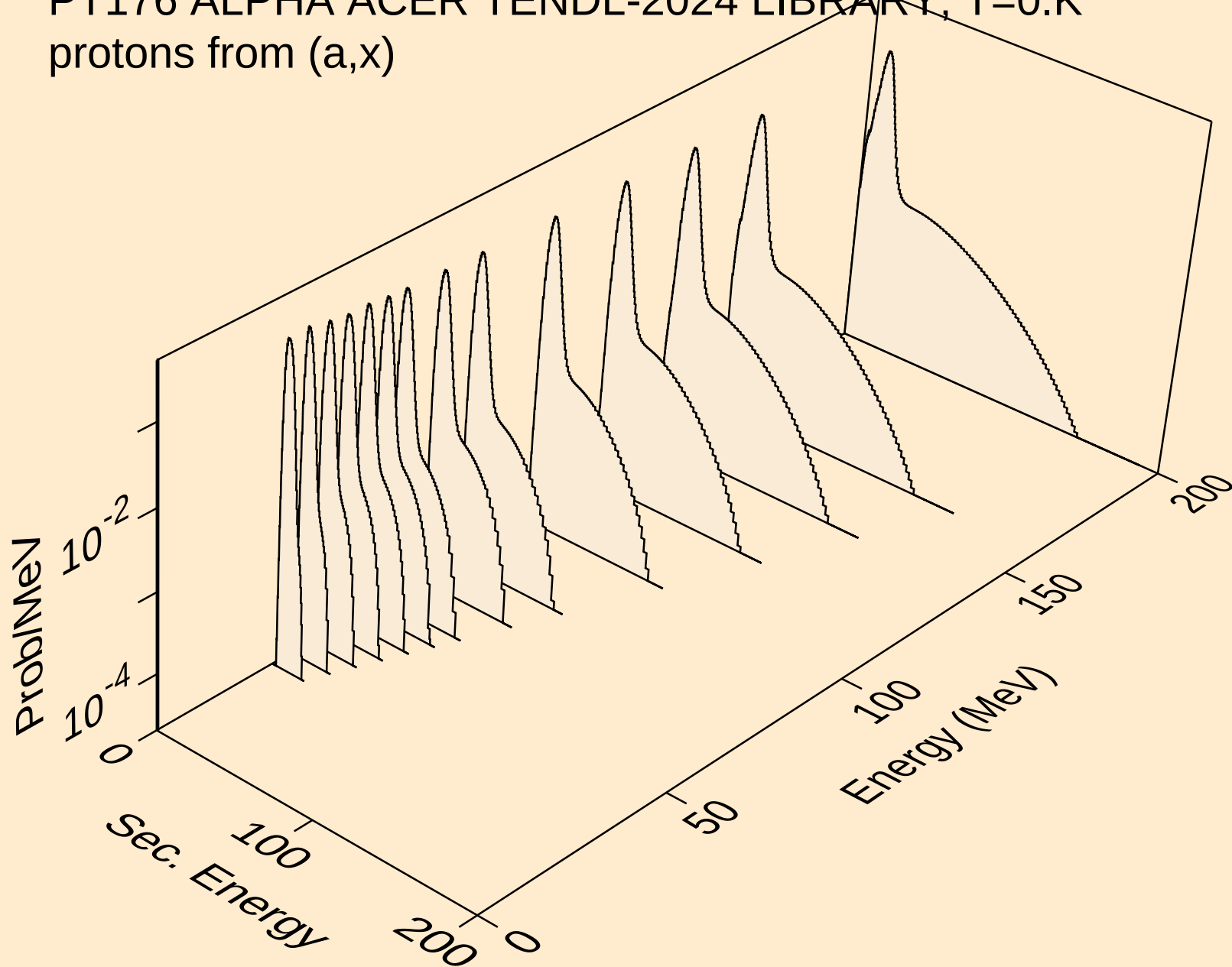
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neutrons from (a,n2p)



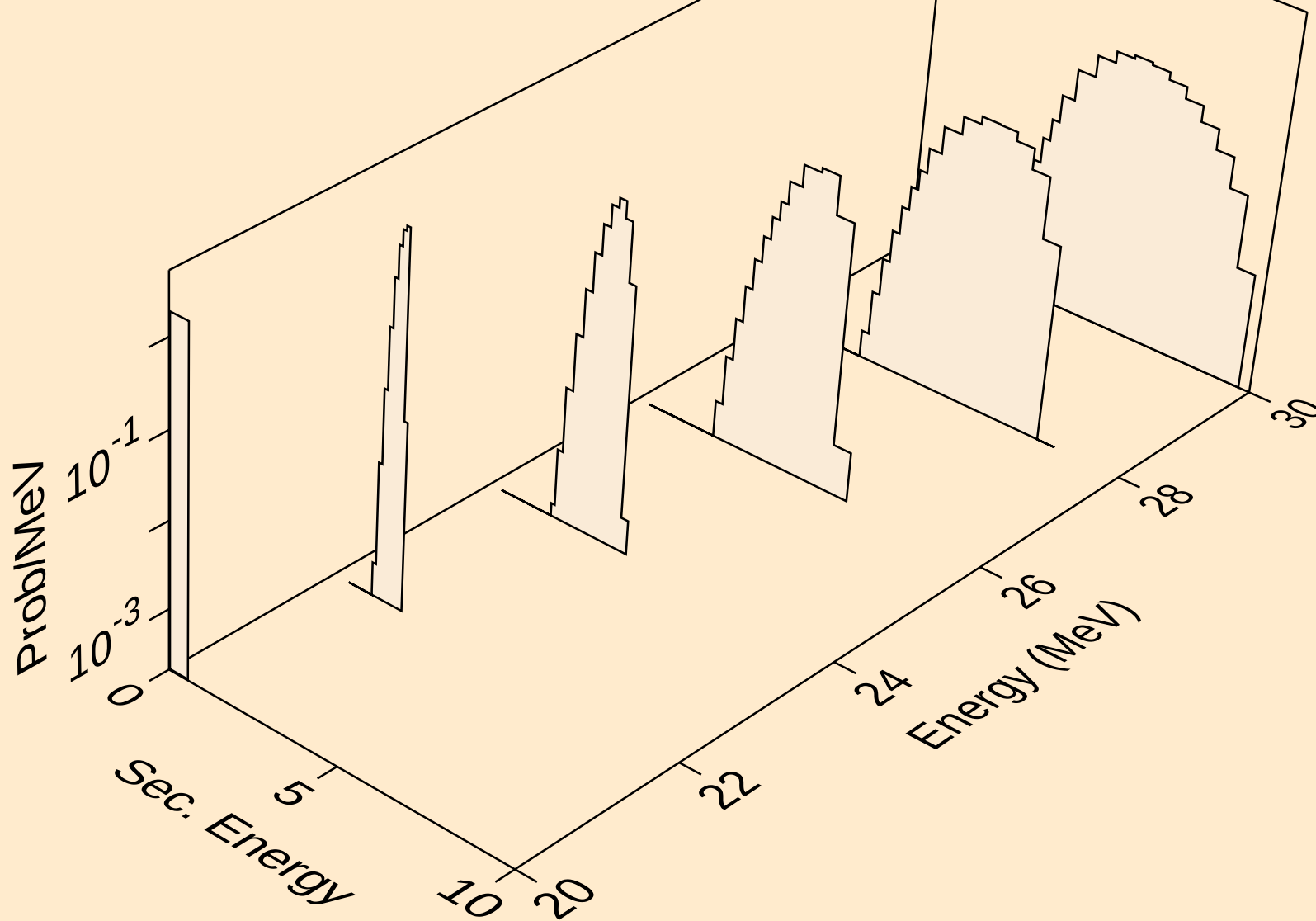
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neutrons from (a,npa)



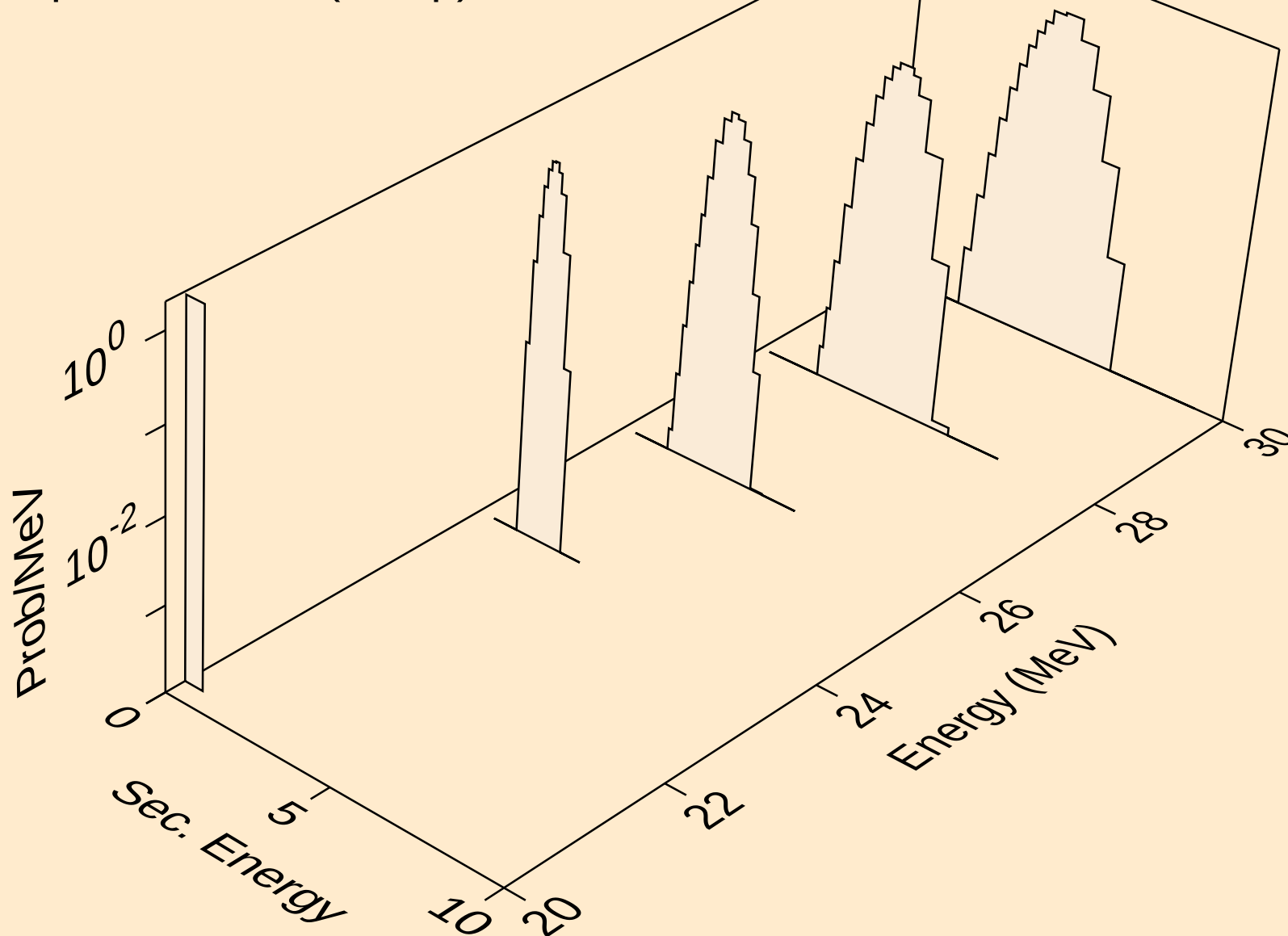
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,x)



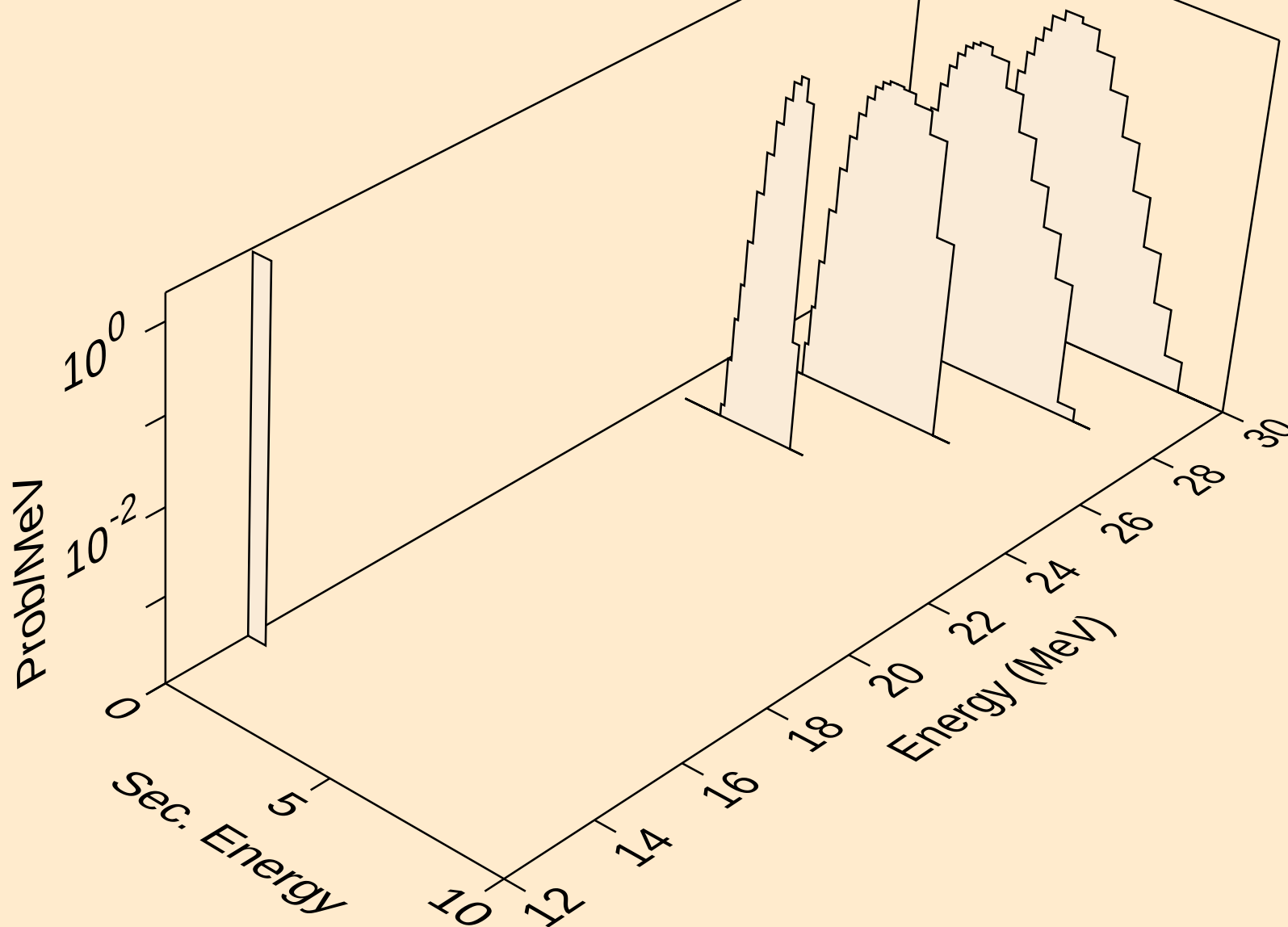
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n\*)p



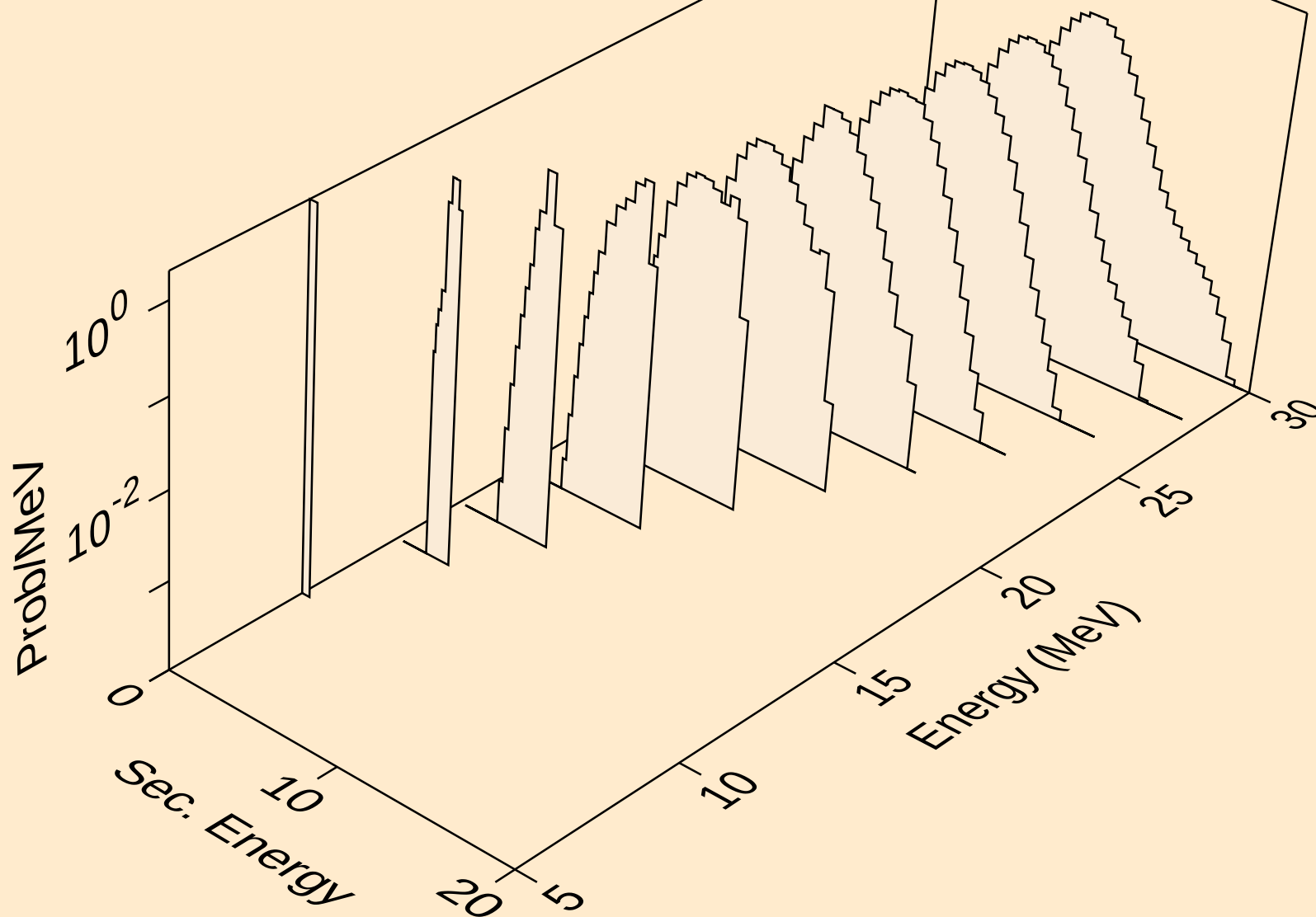
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protons from (a,n2p)



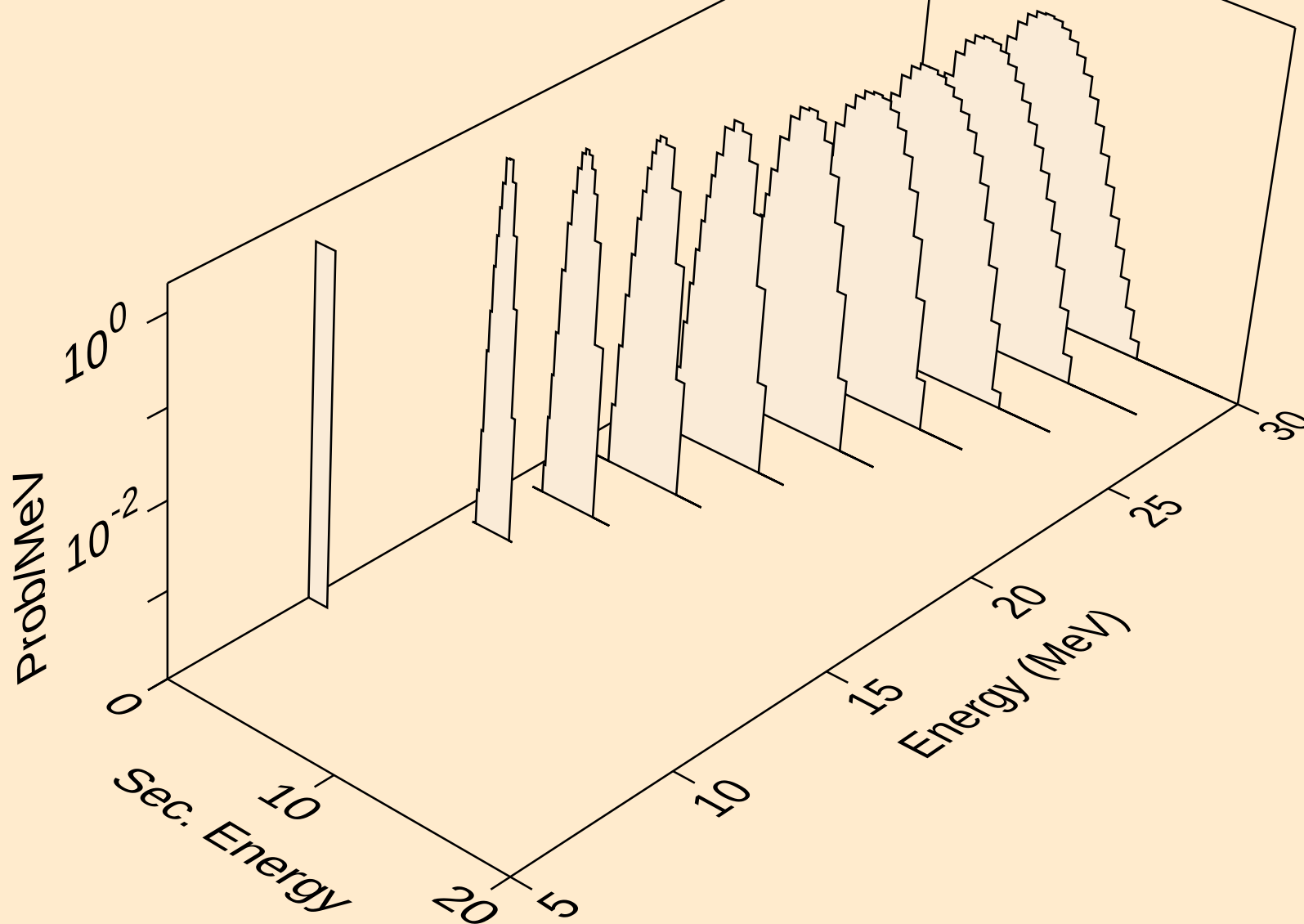
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,npa)



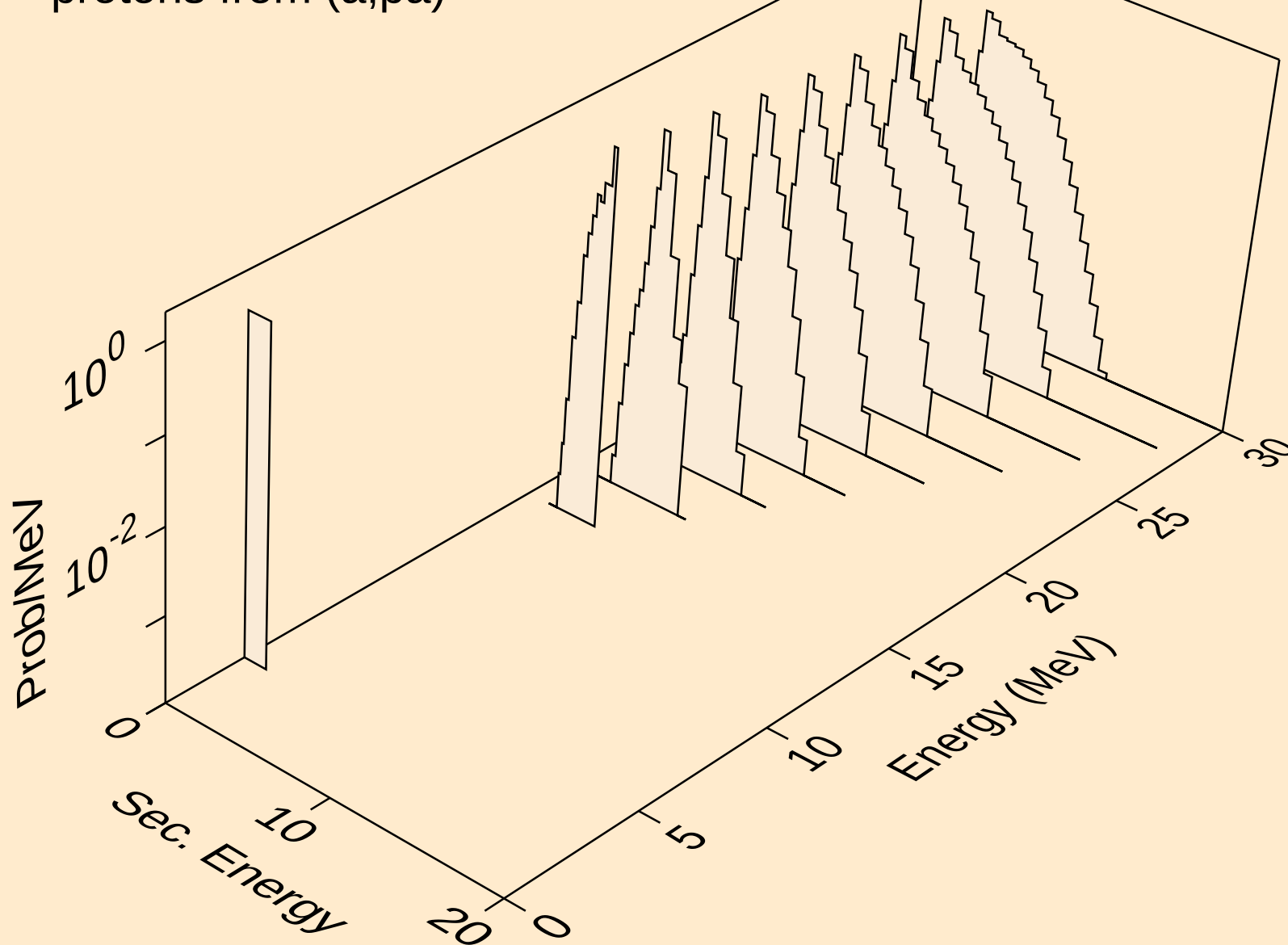
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protons from (a,p)



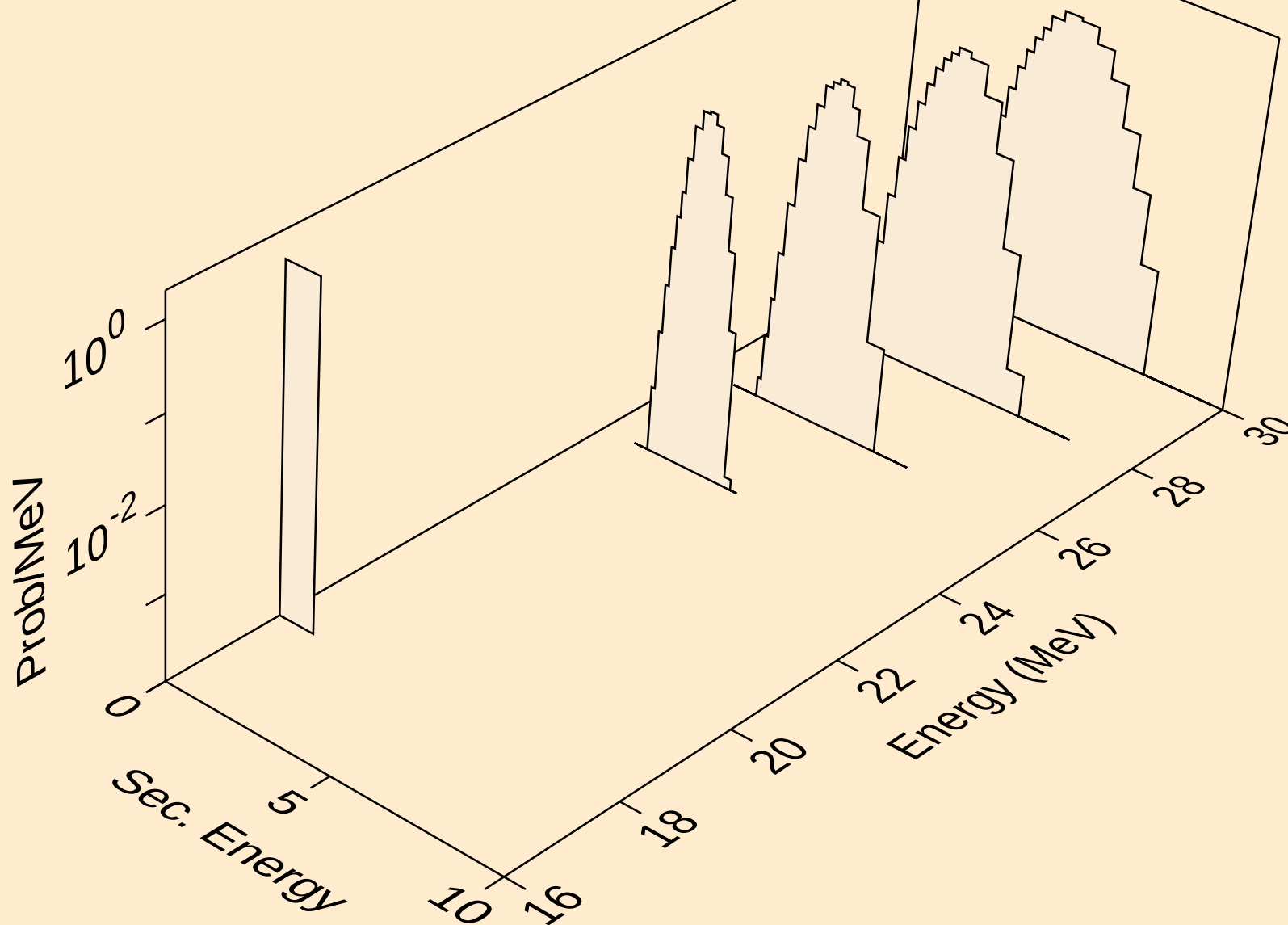
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protons from (a,2p)



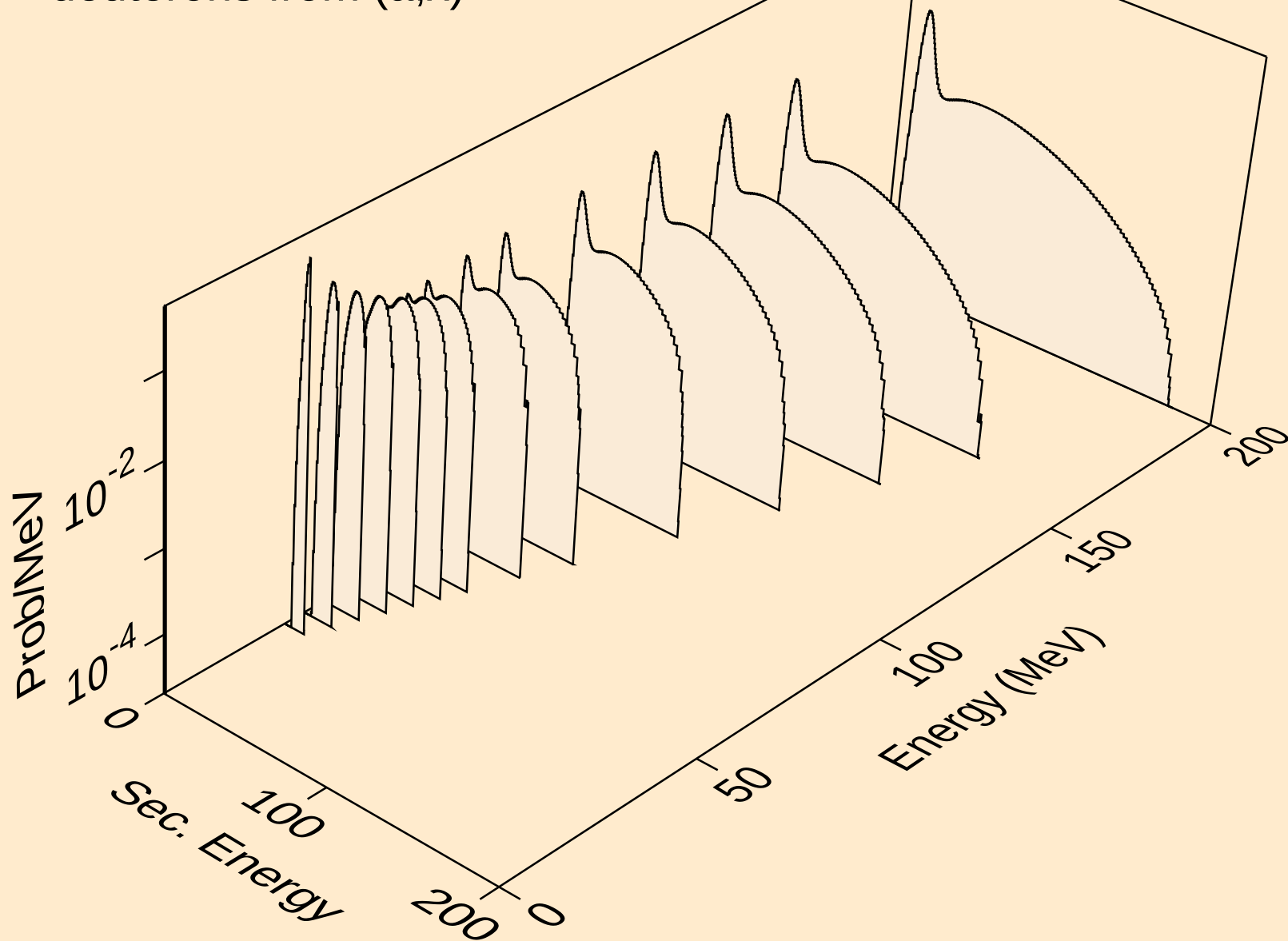
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protons from (a,pa)



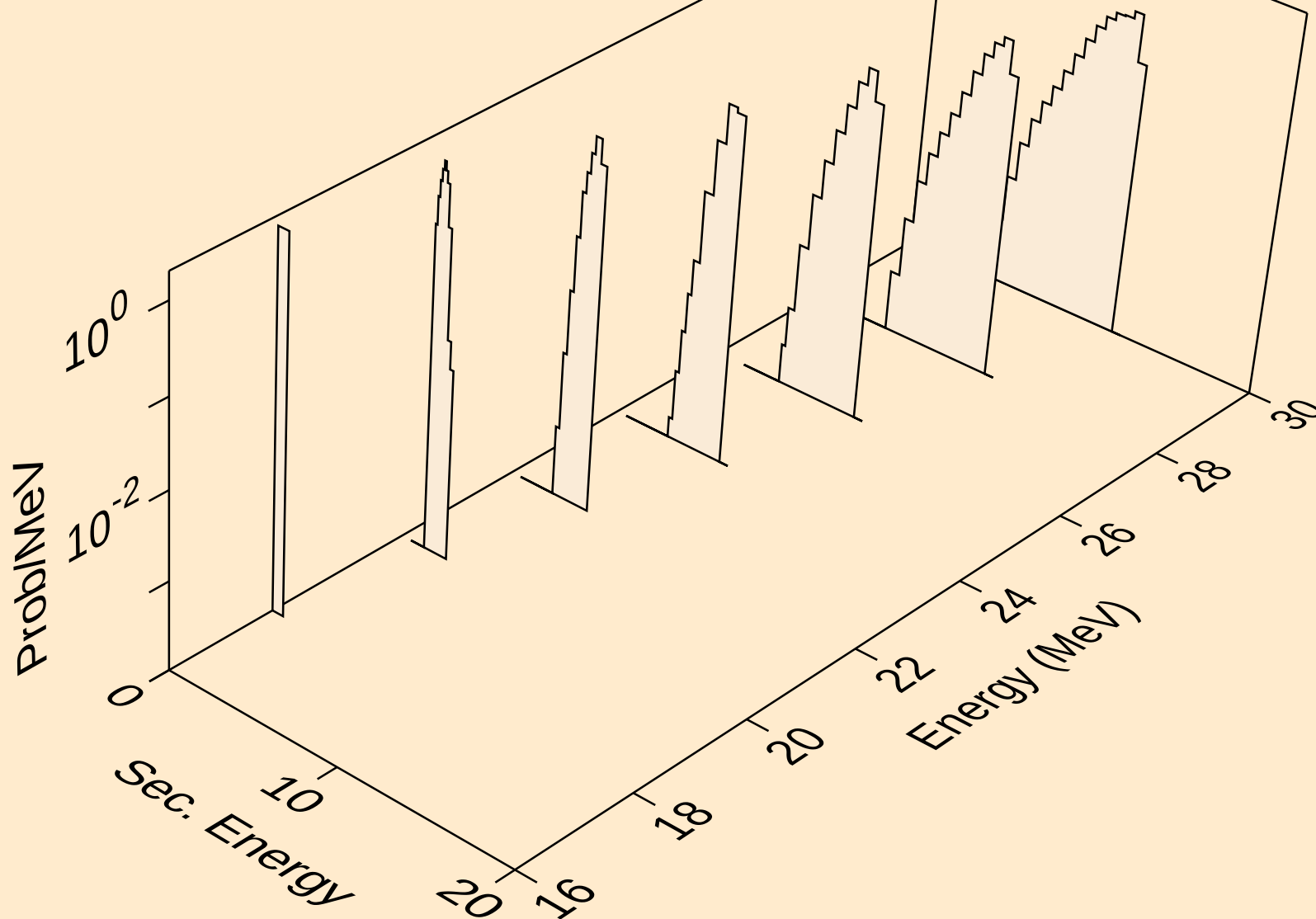
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pd)



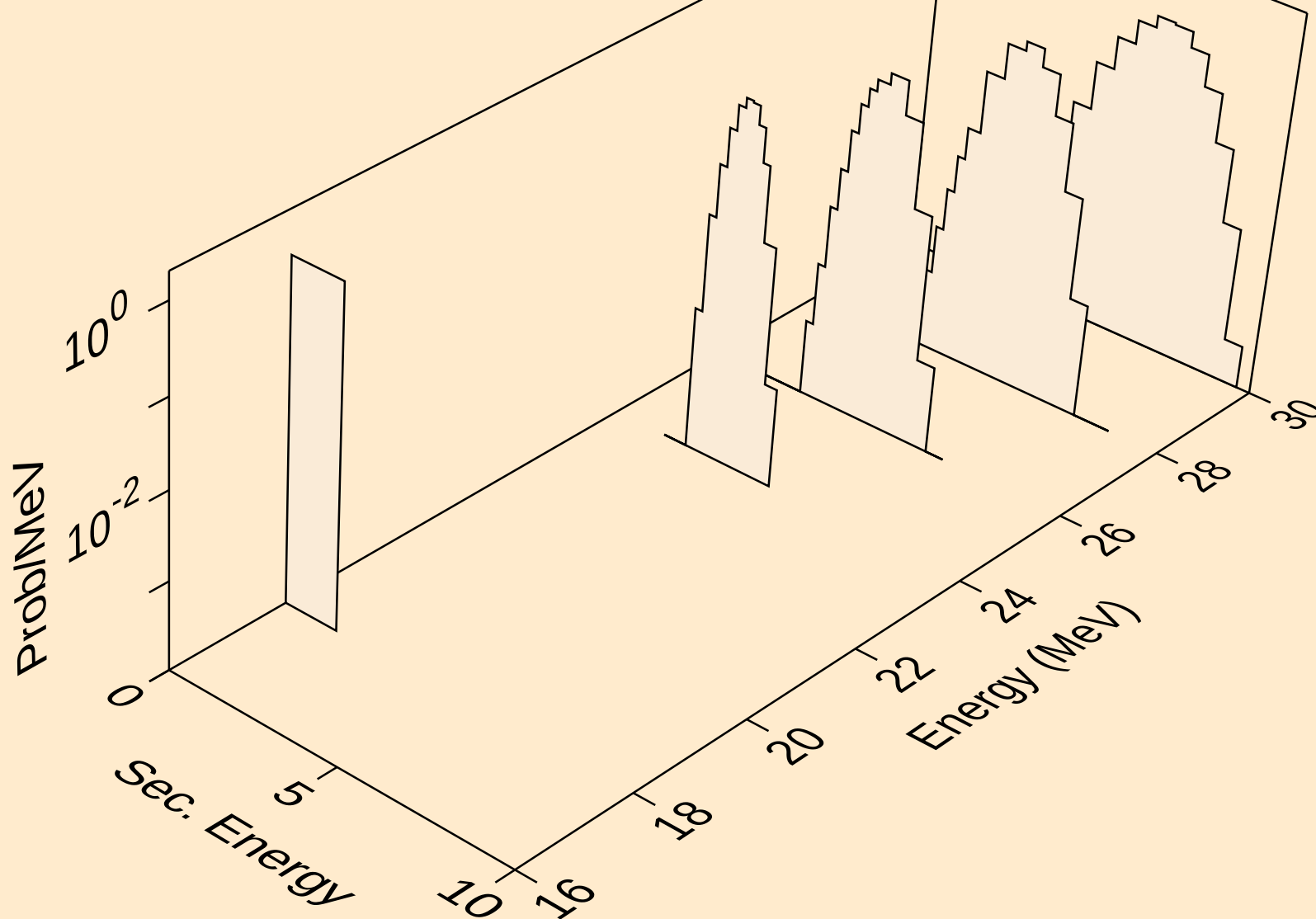
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



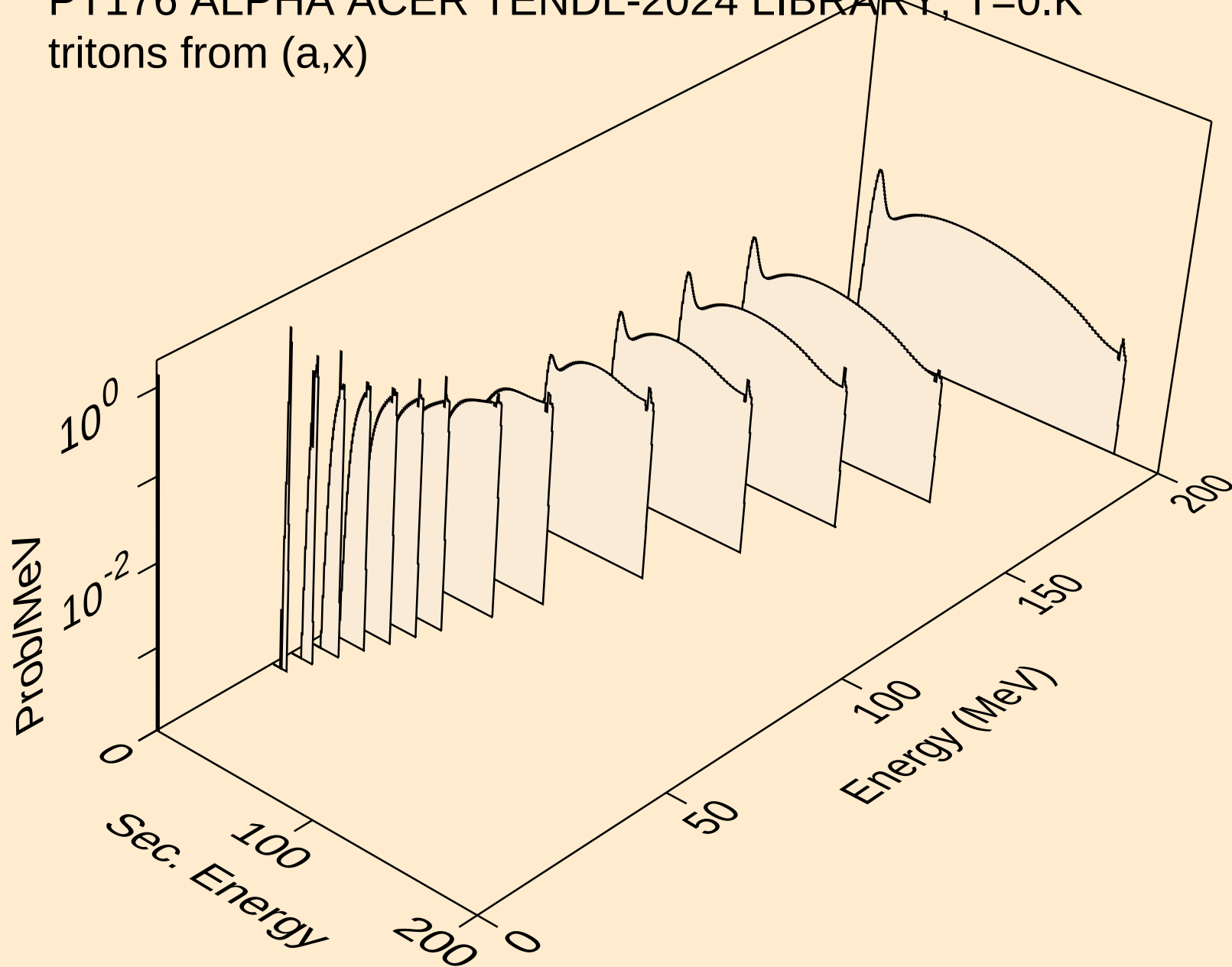
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,d)



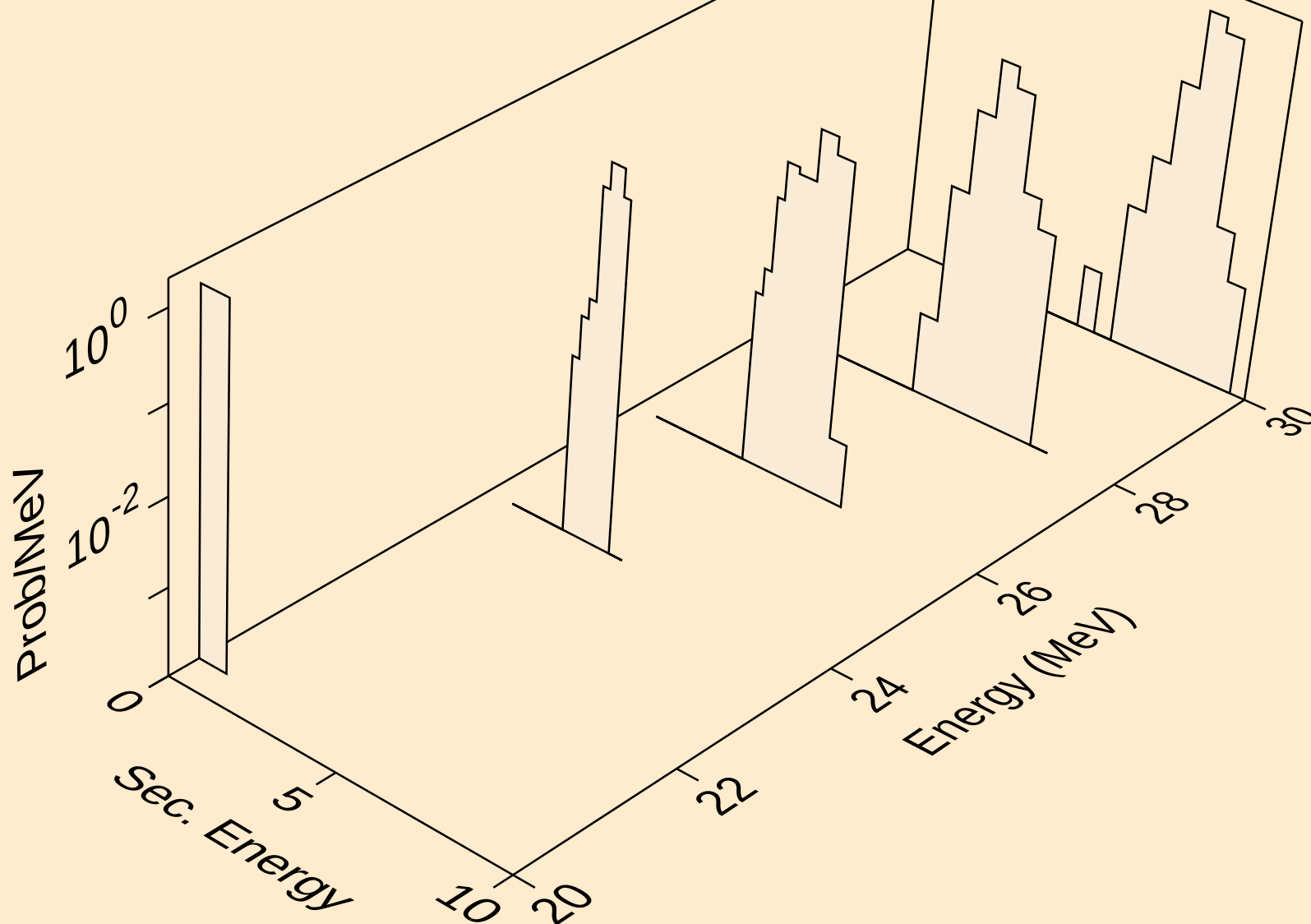
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,pd)



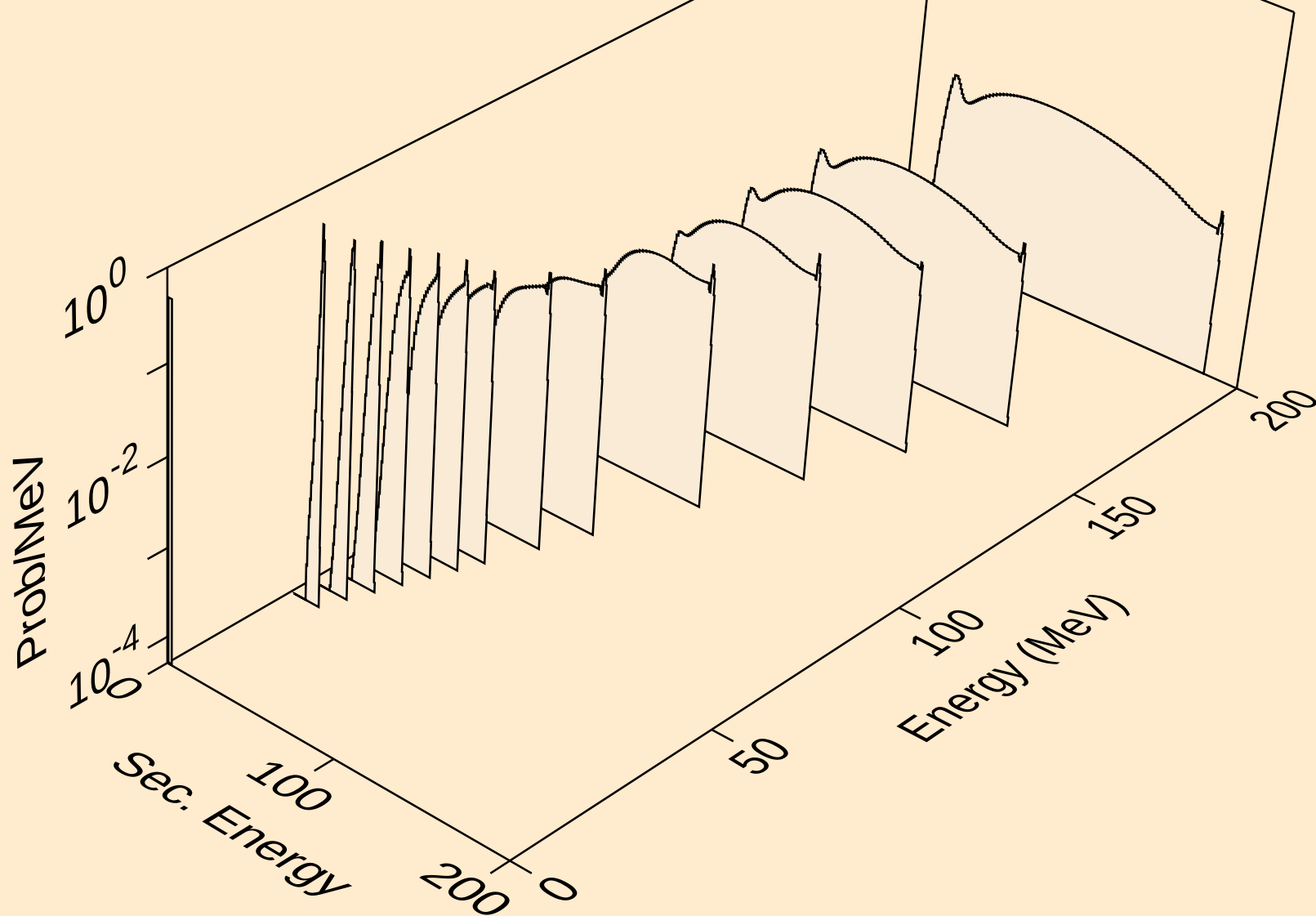
PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



PT176 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

