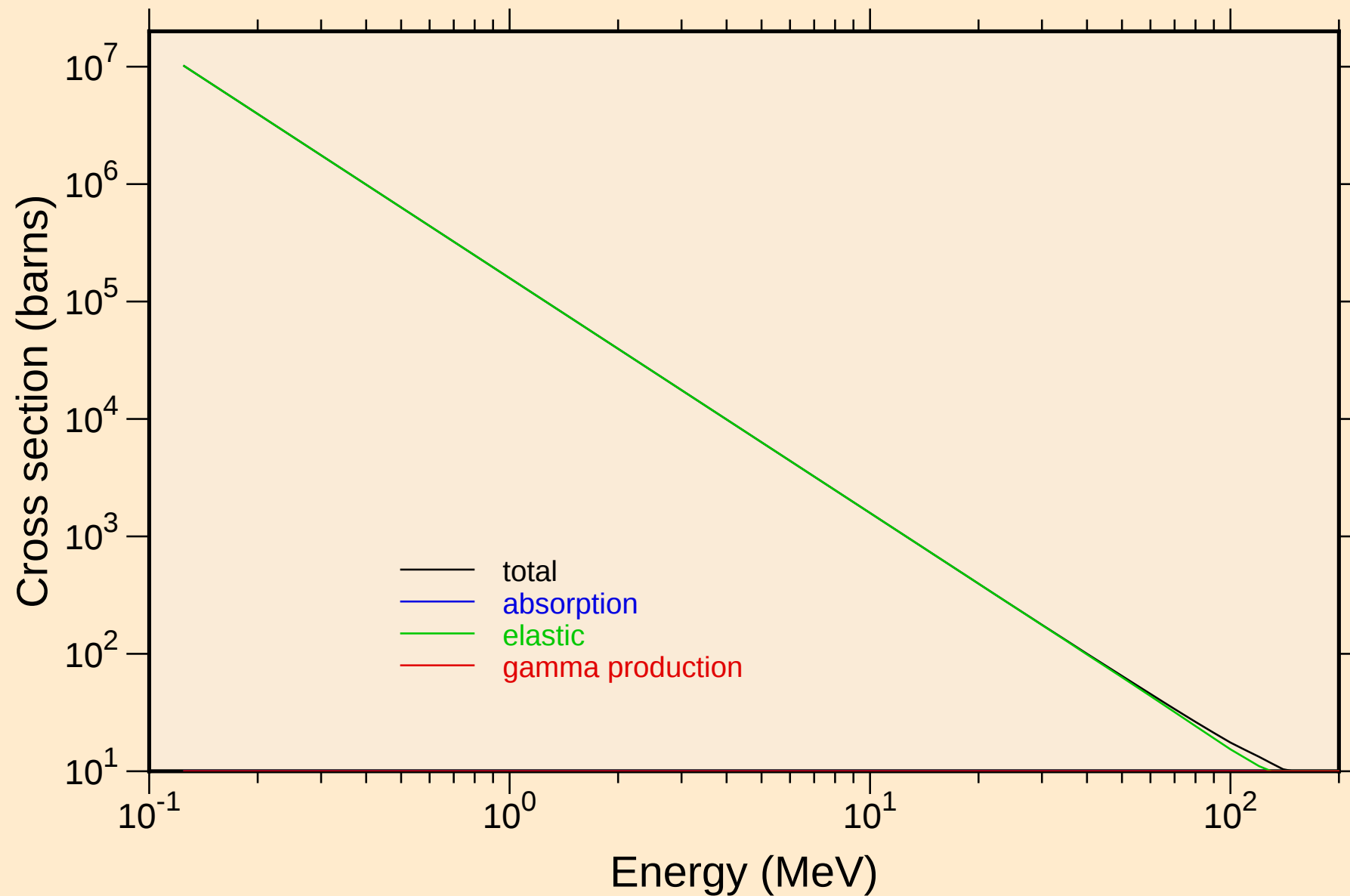


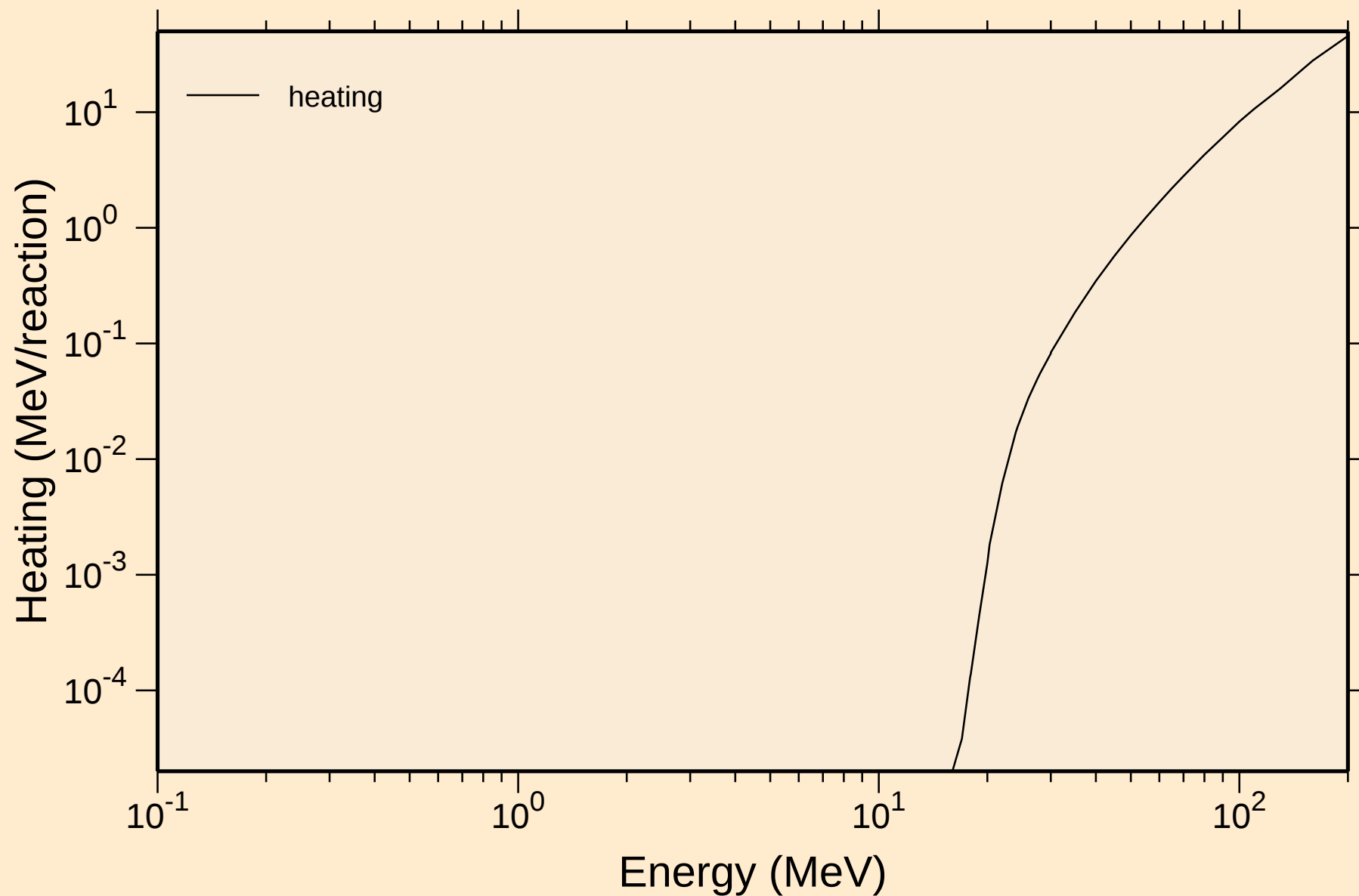
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



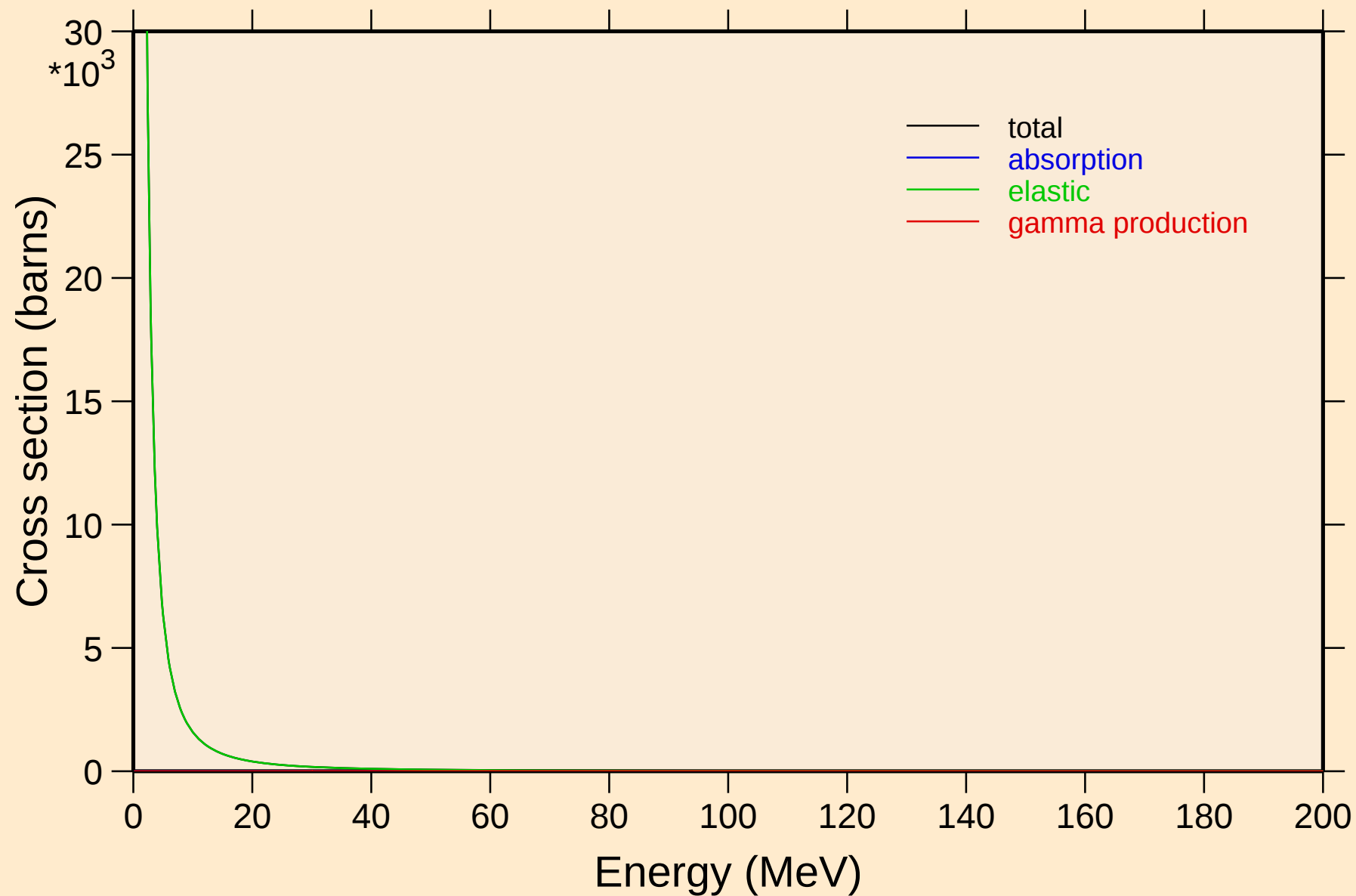
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



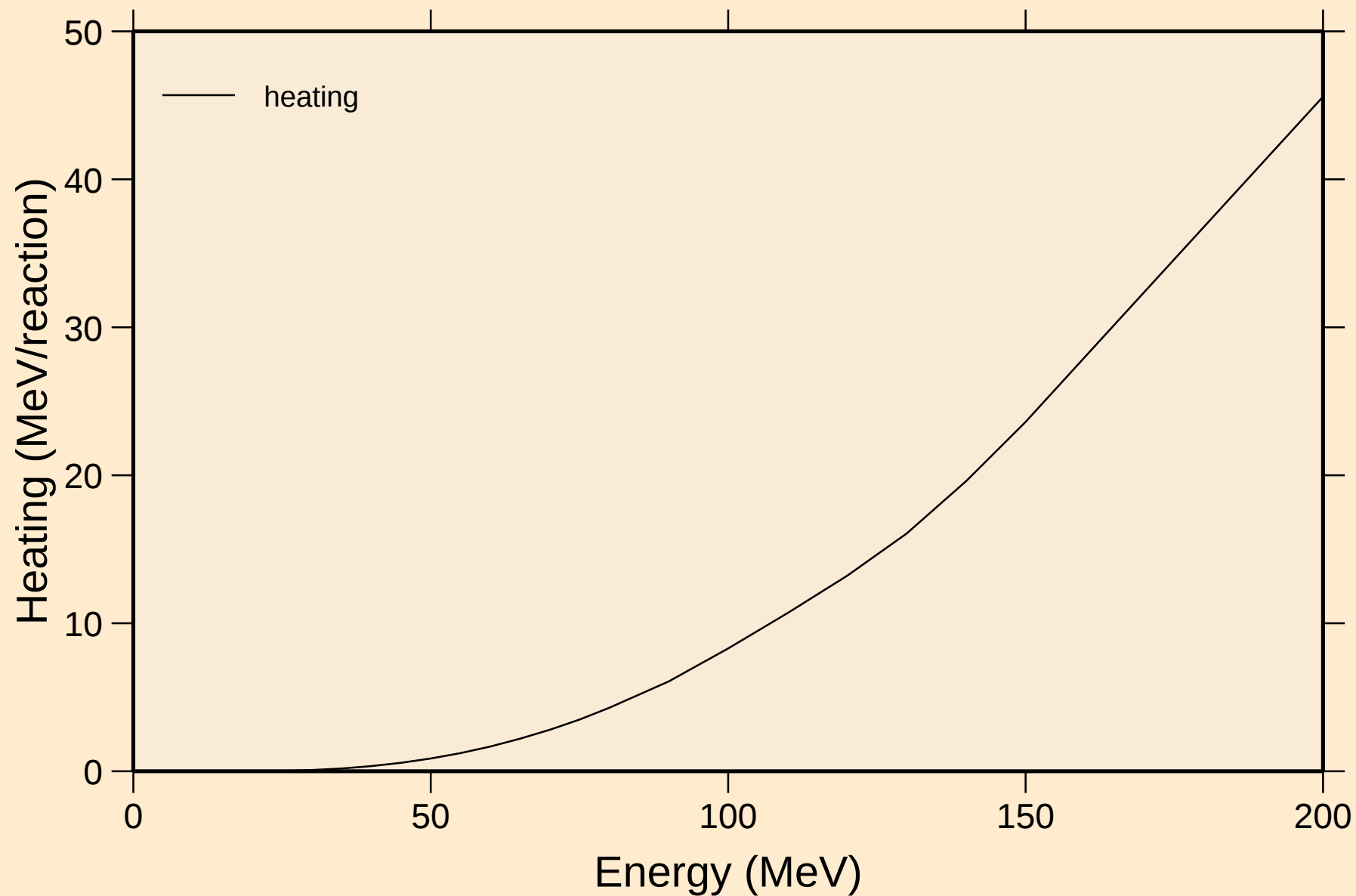
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



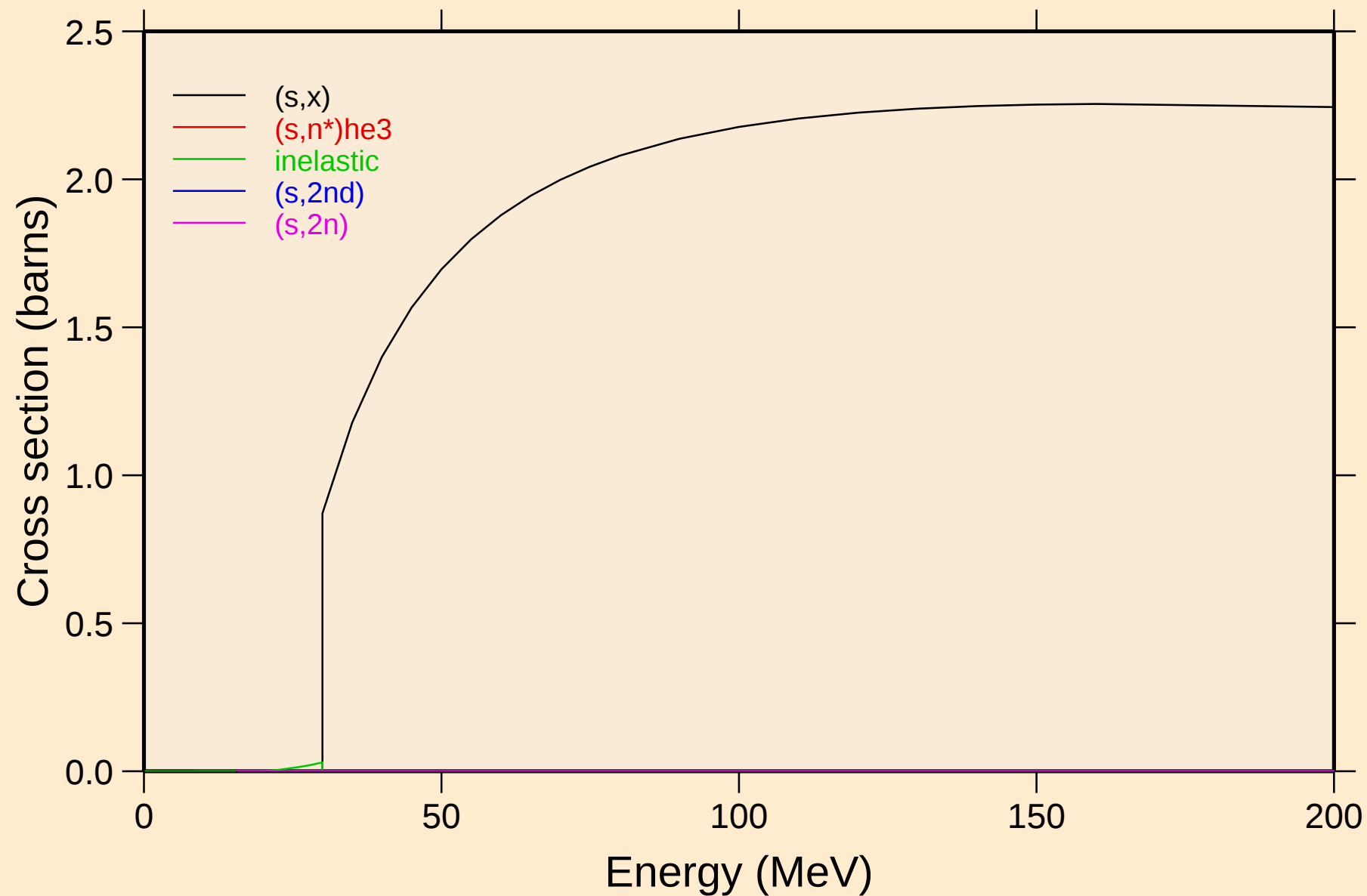
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



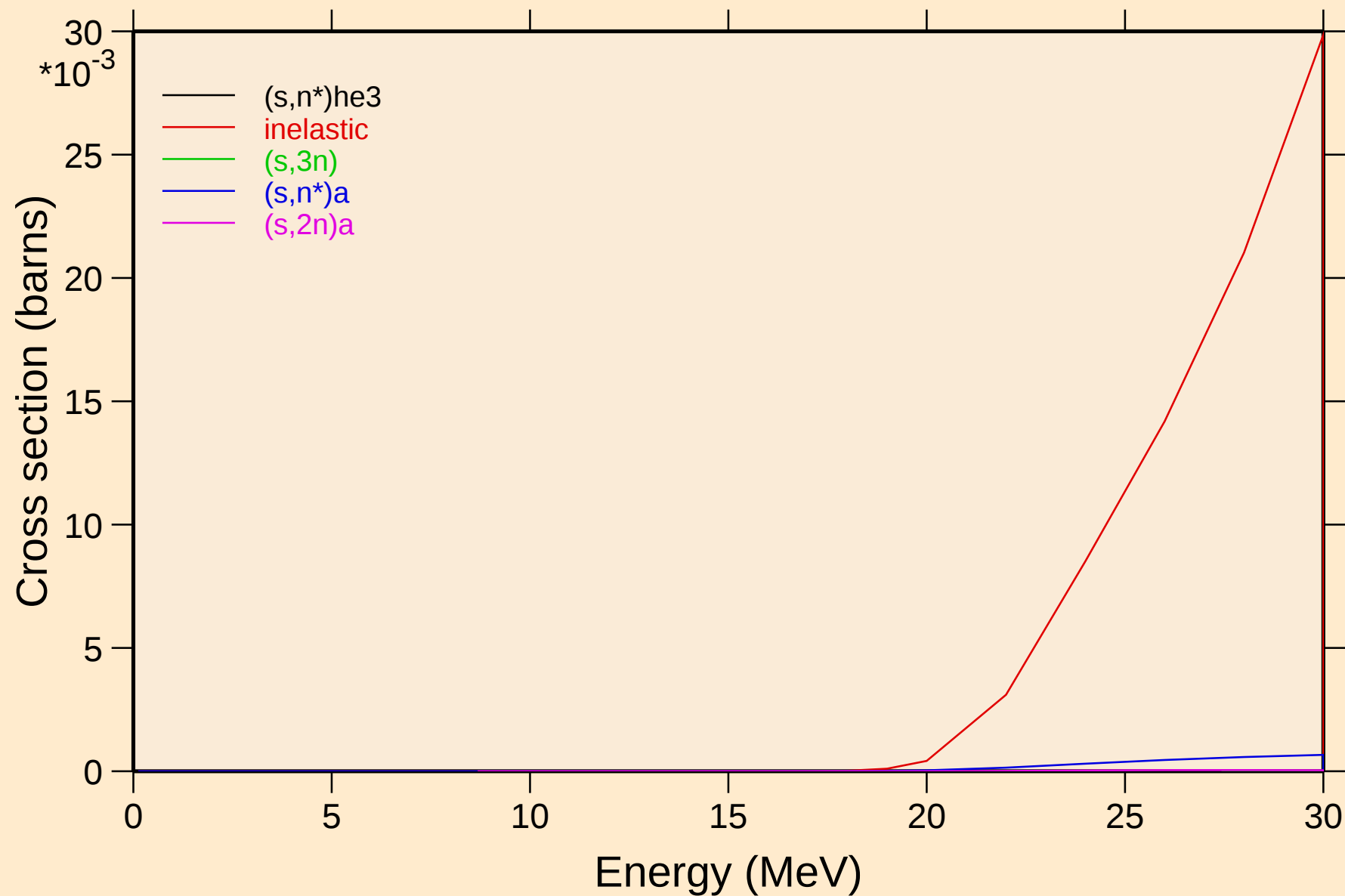
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



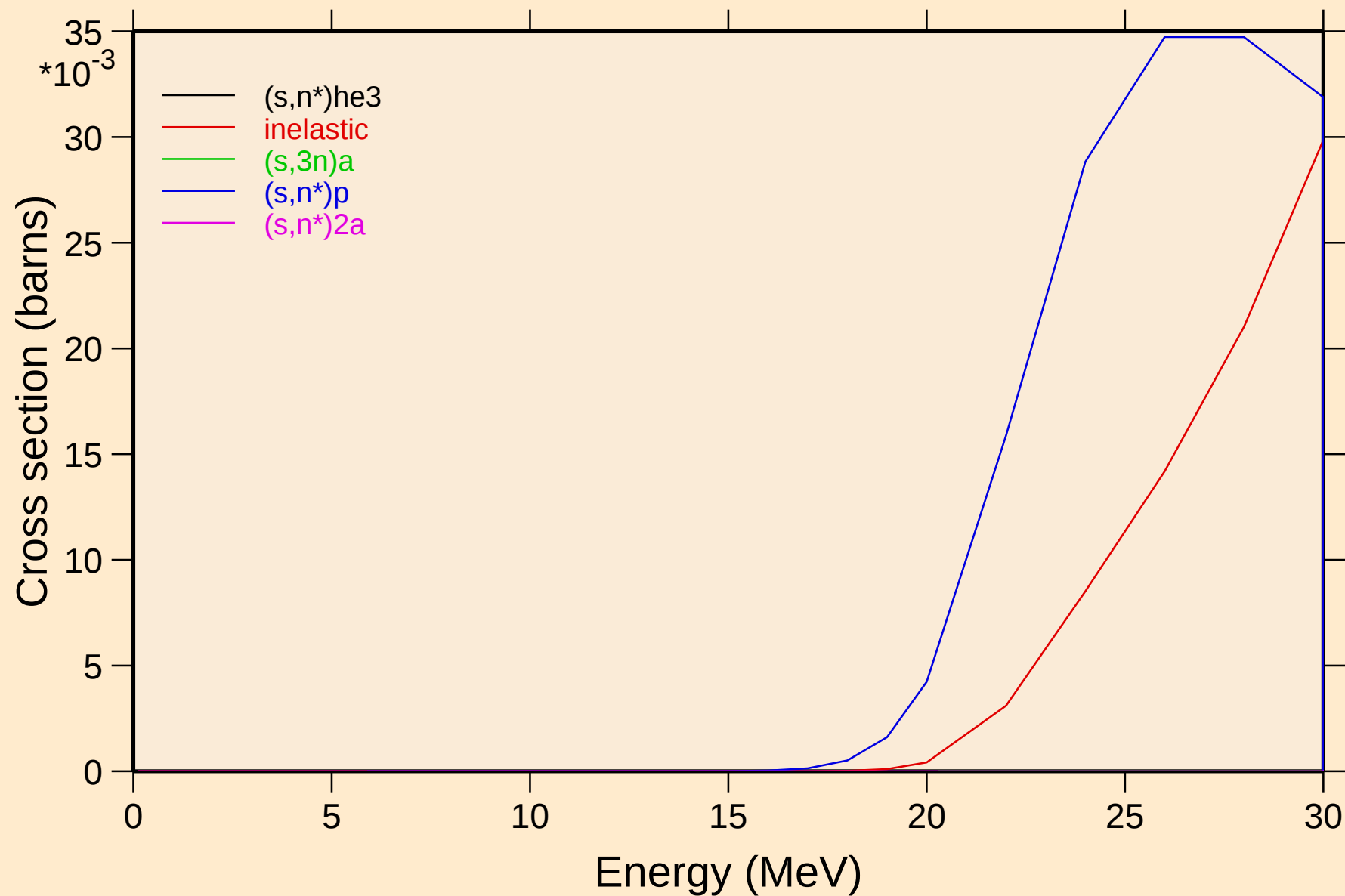
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



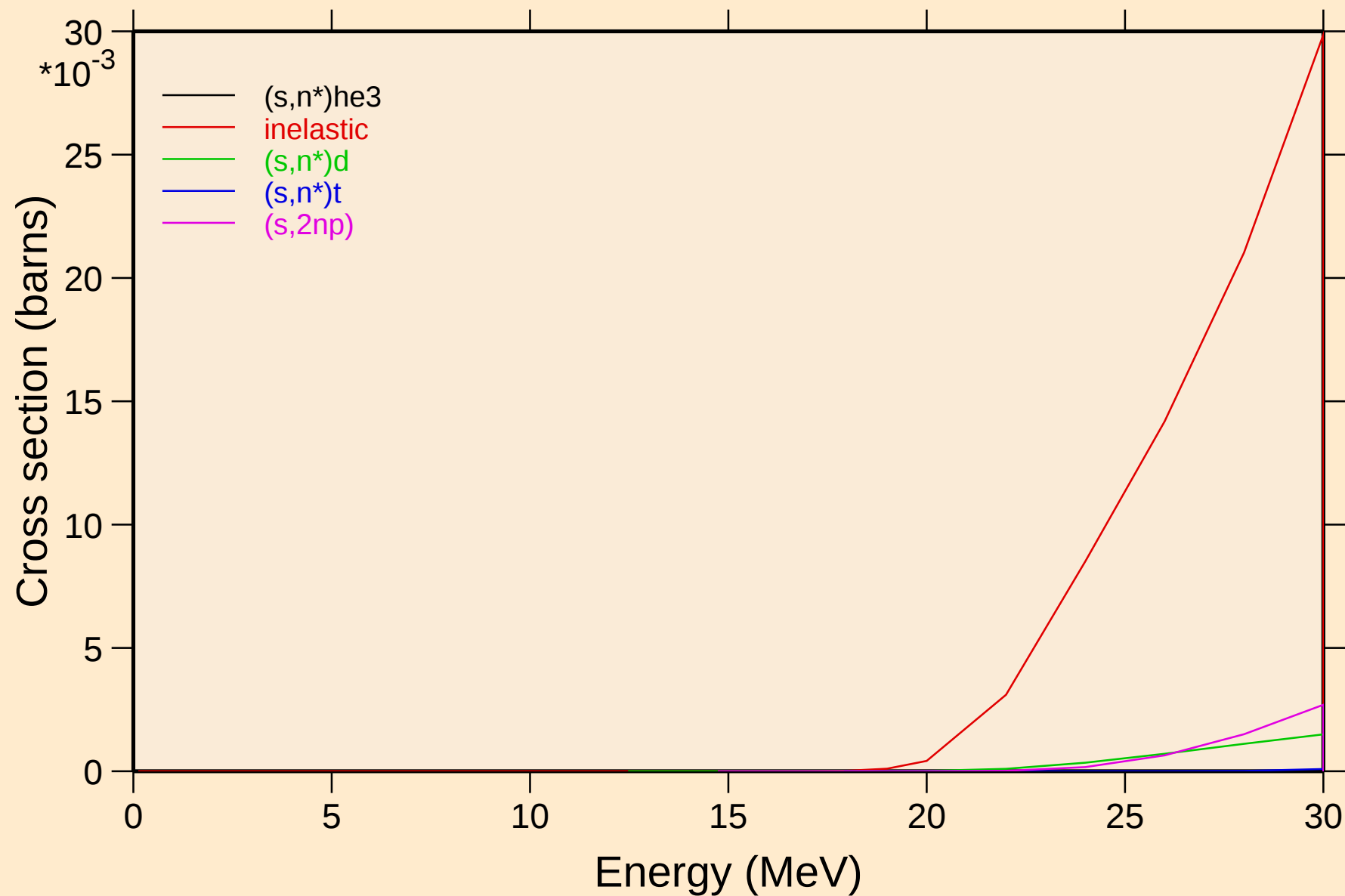
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



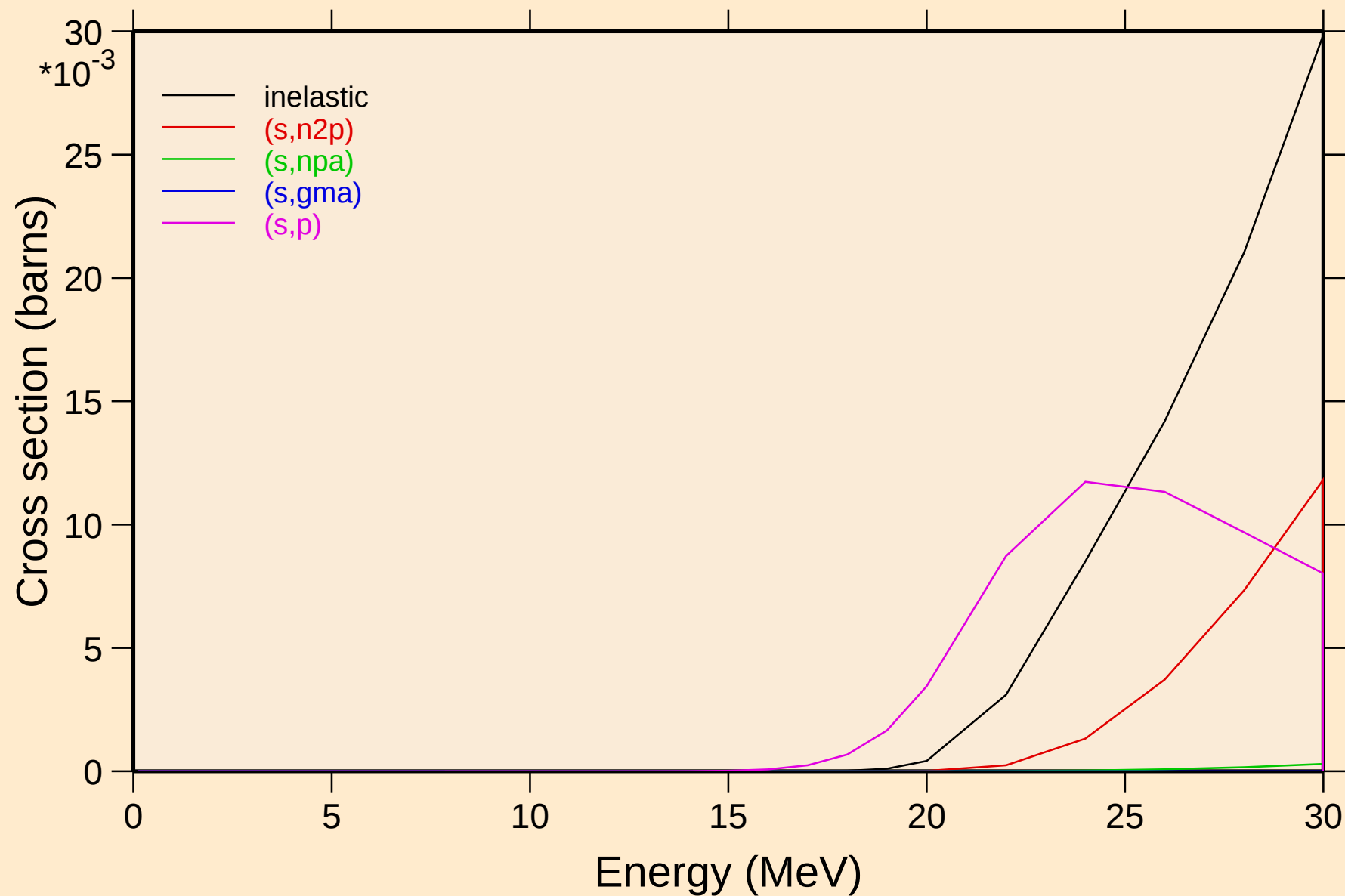
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



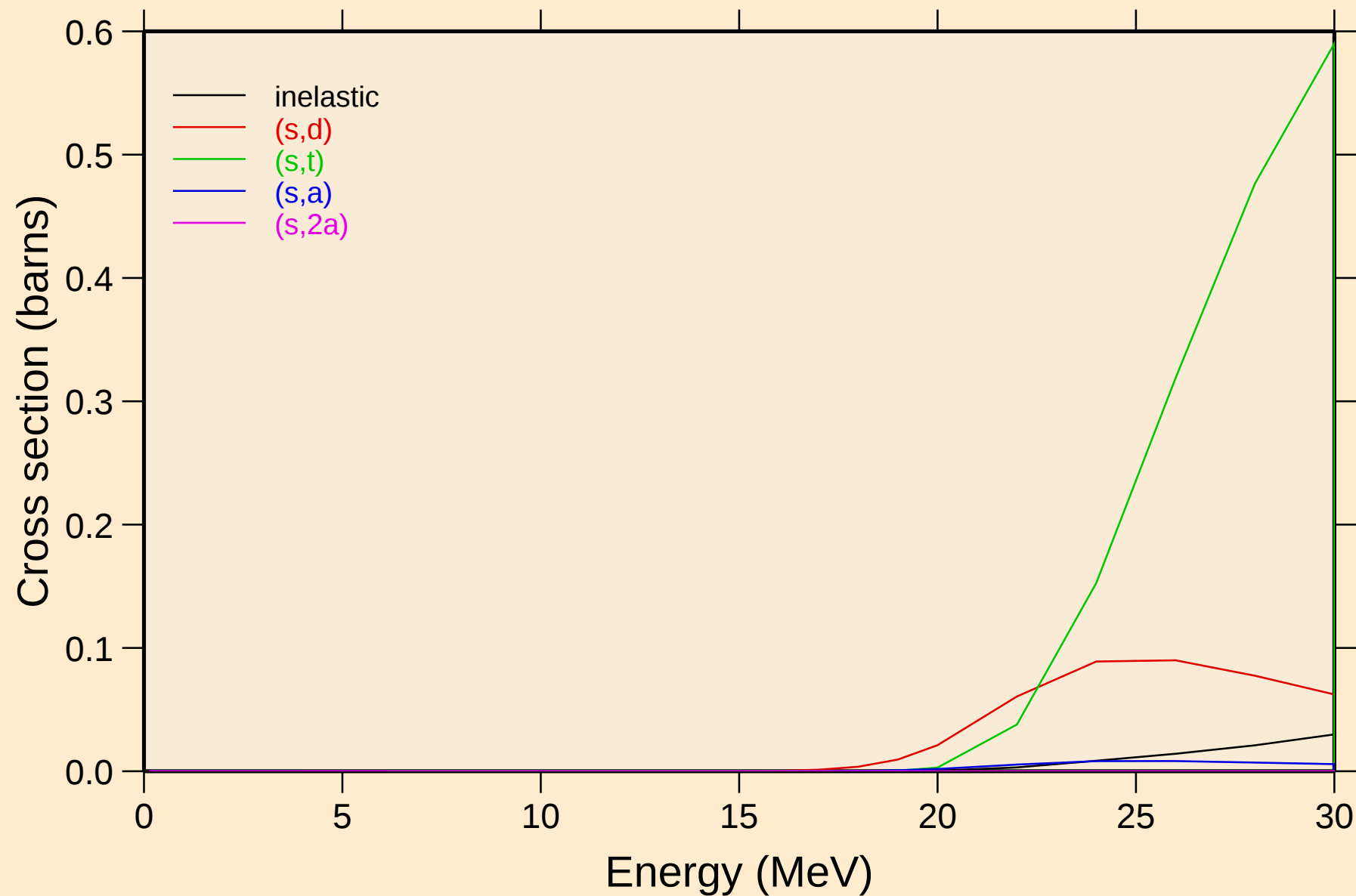
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



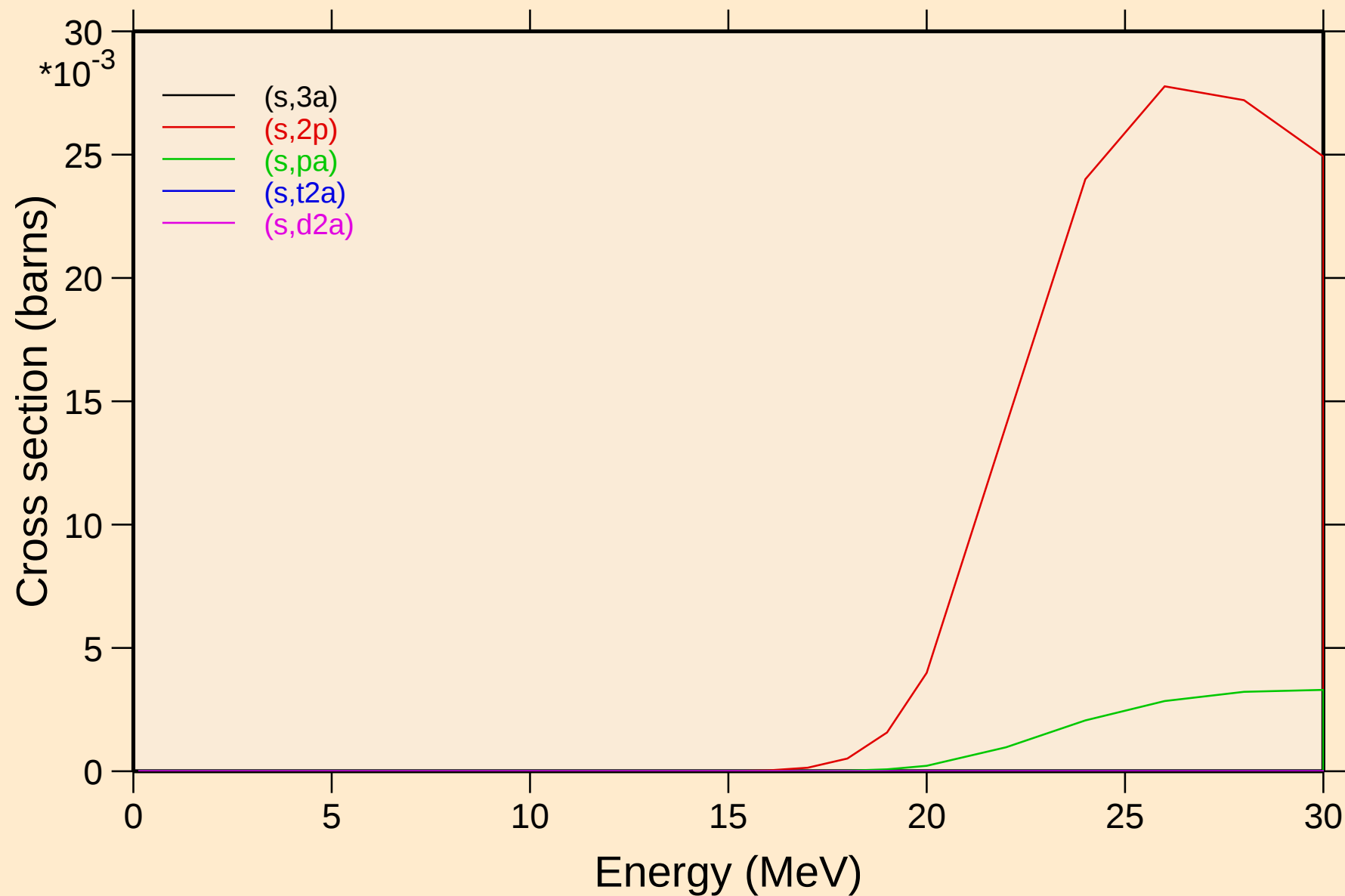
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



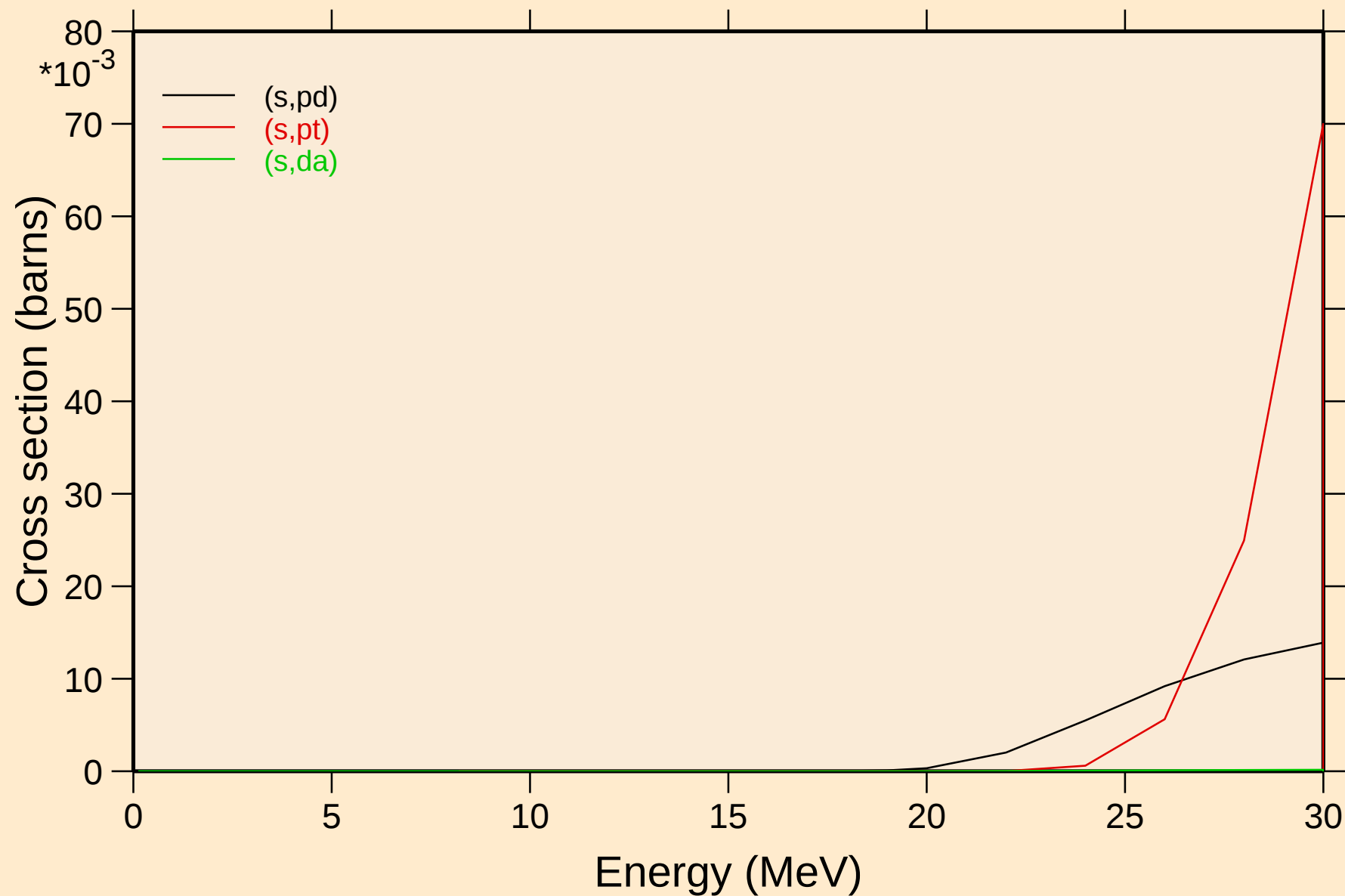
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

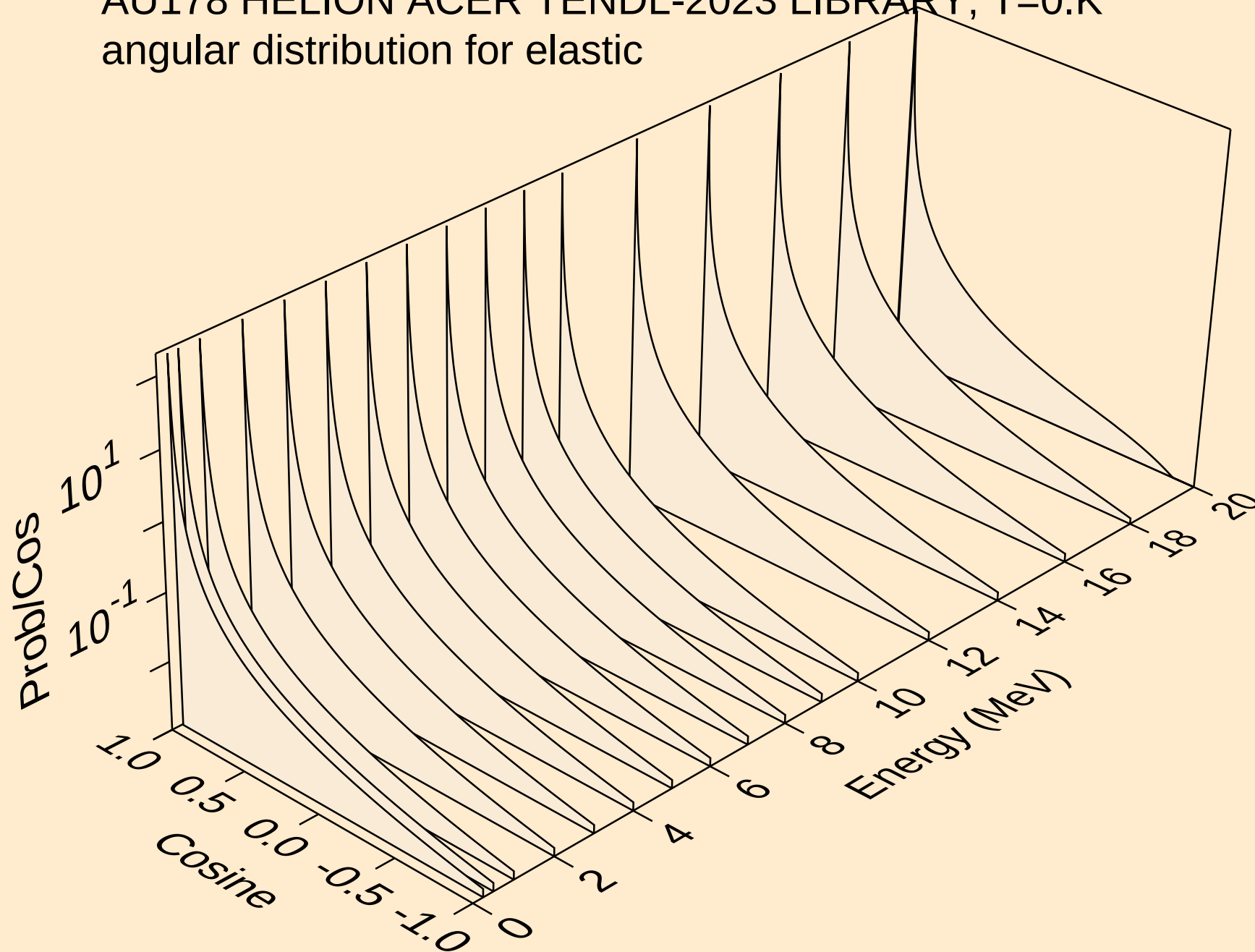


# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

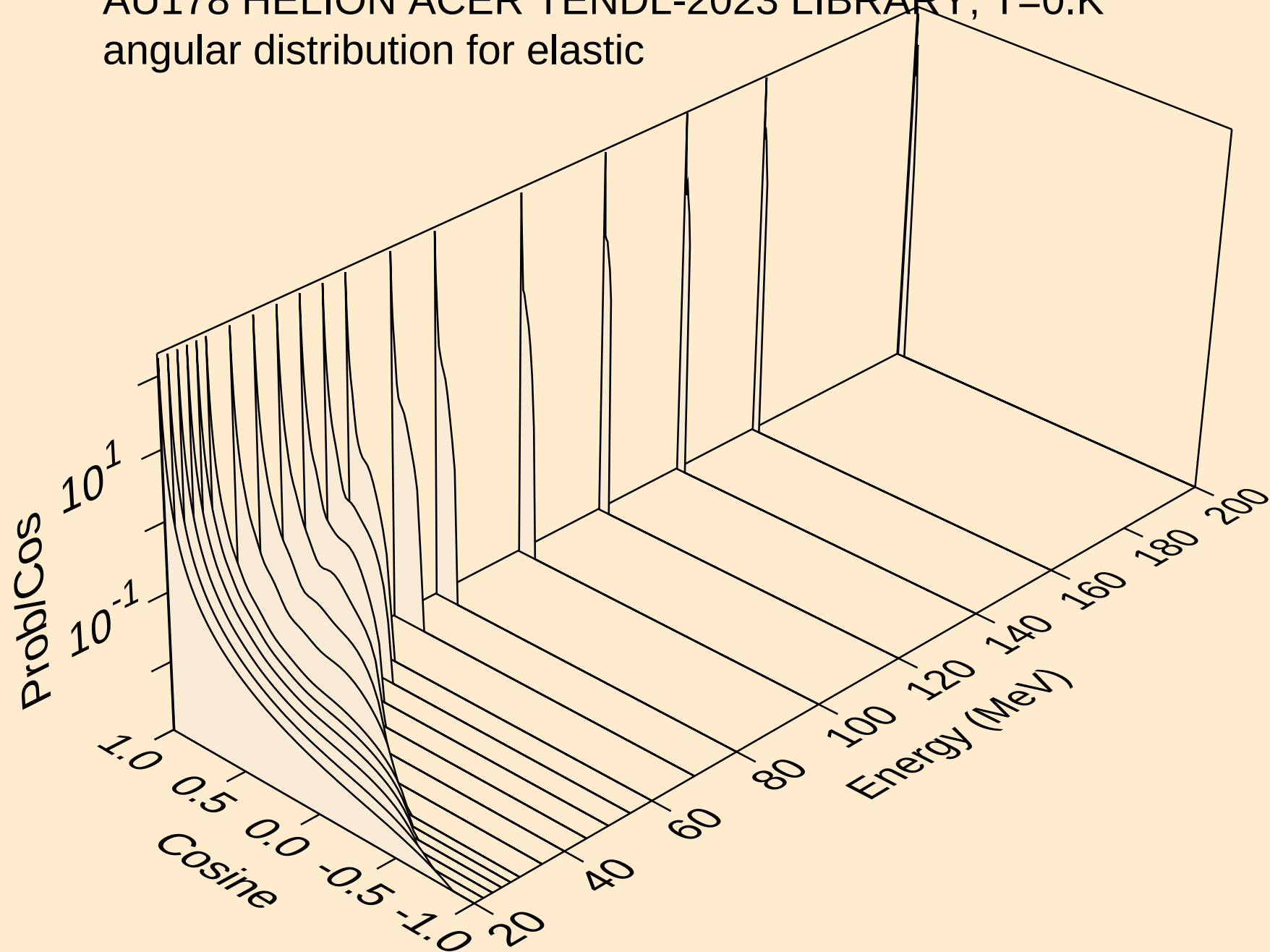
## Threshold reactions



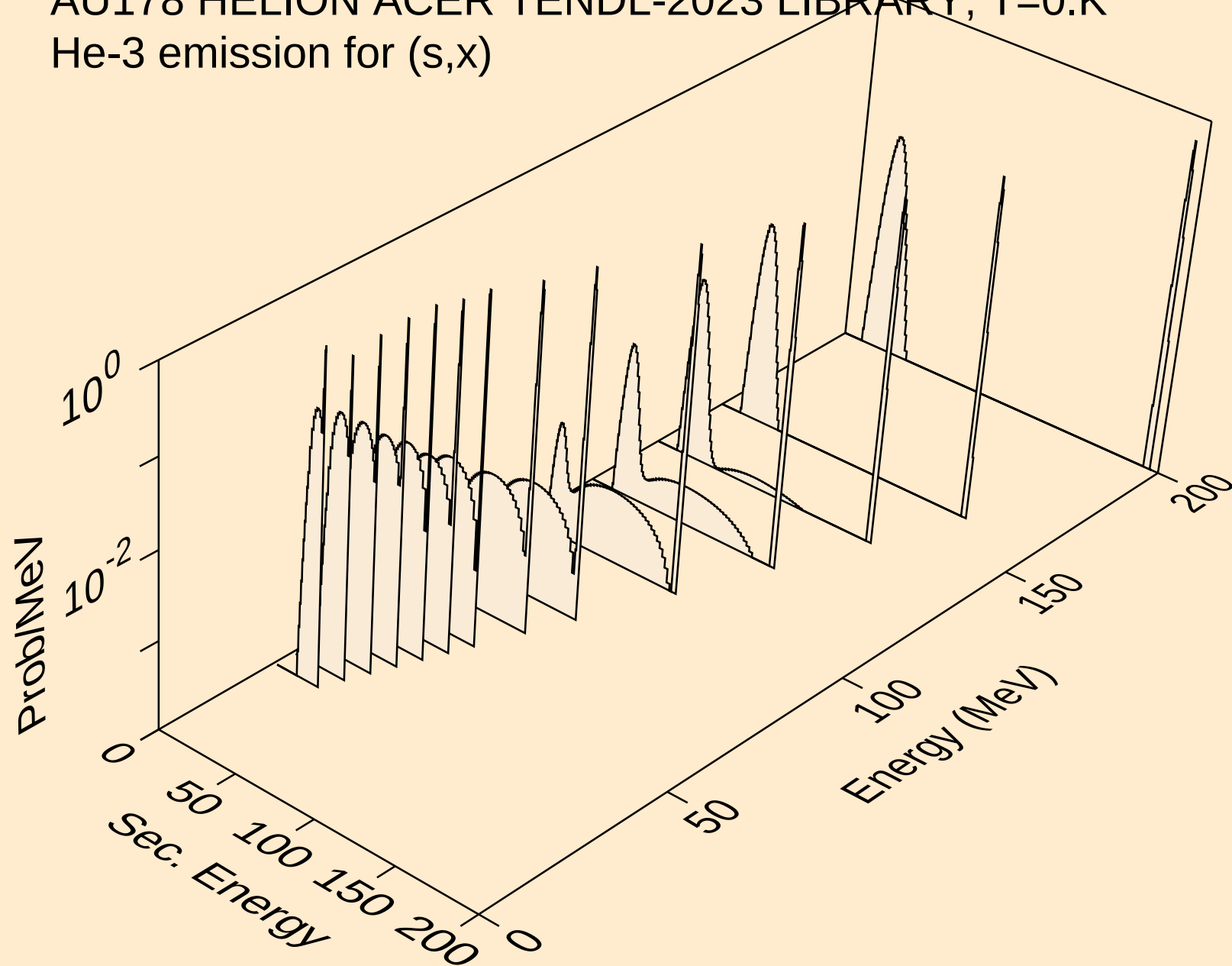
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



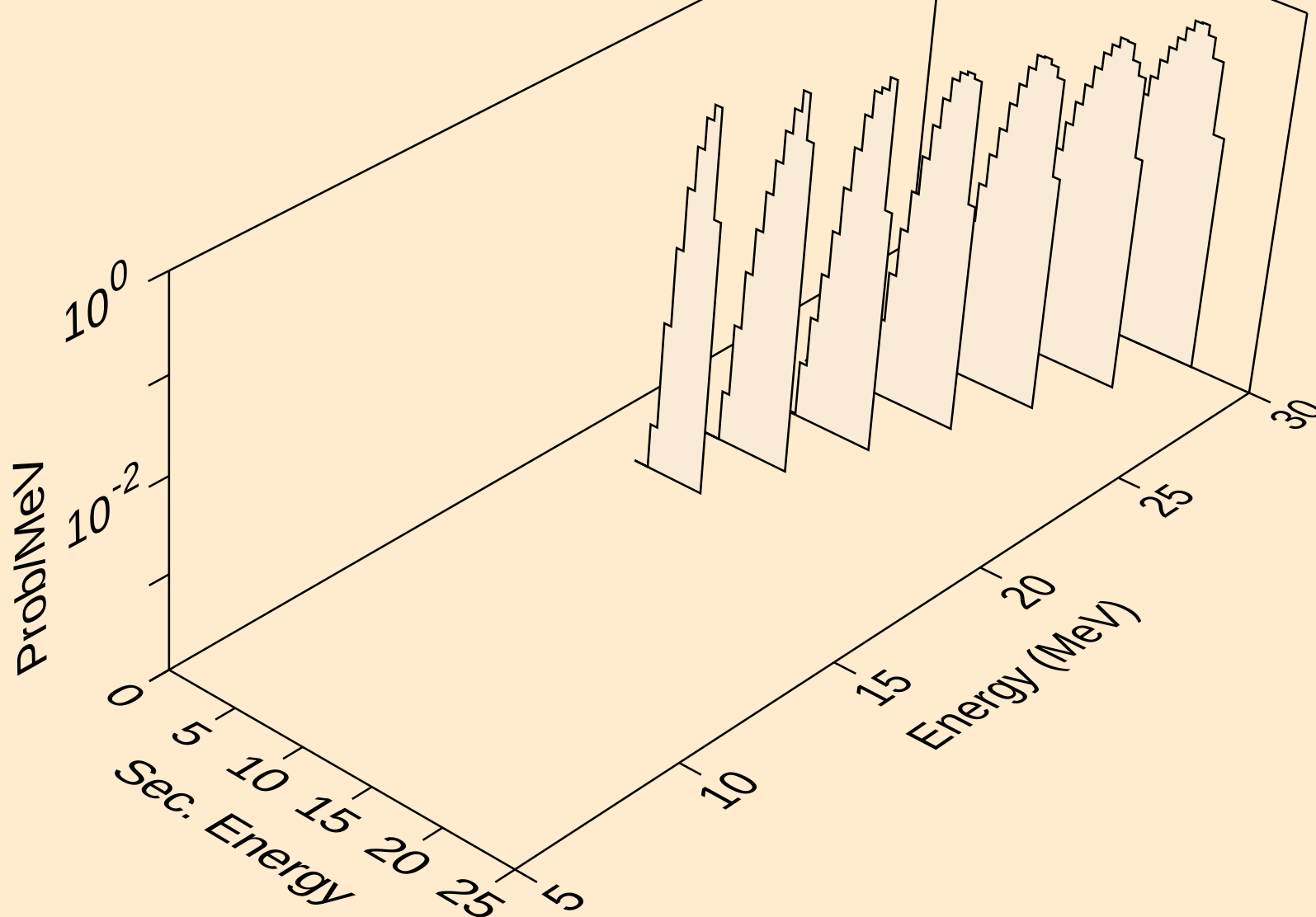
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



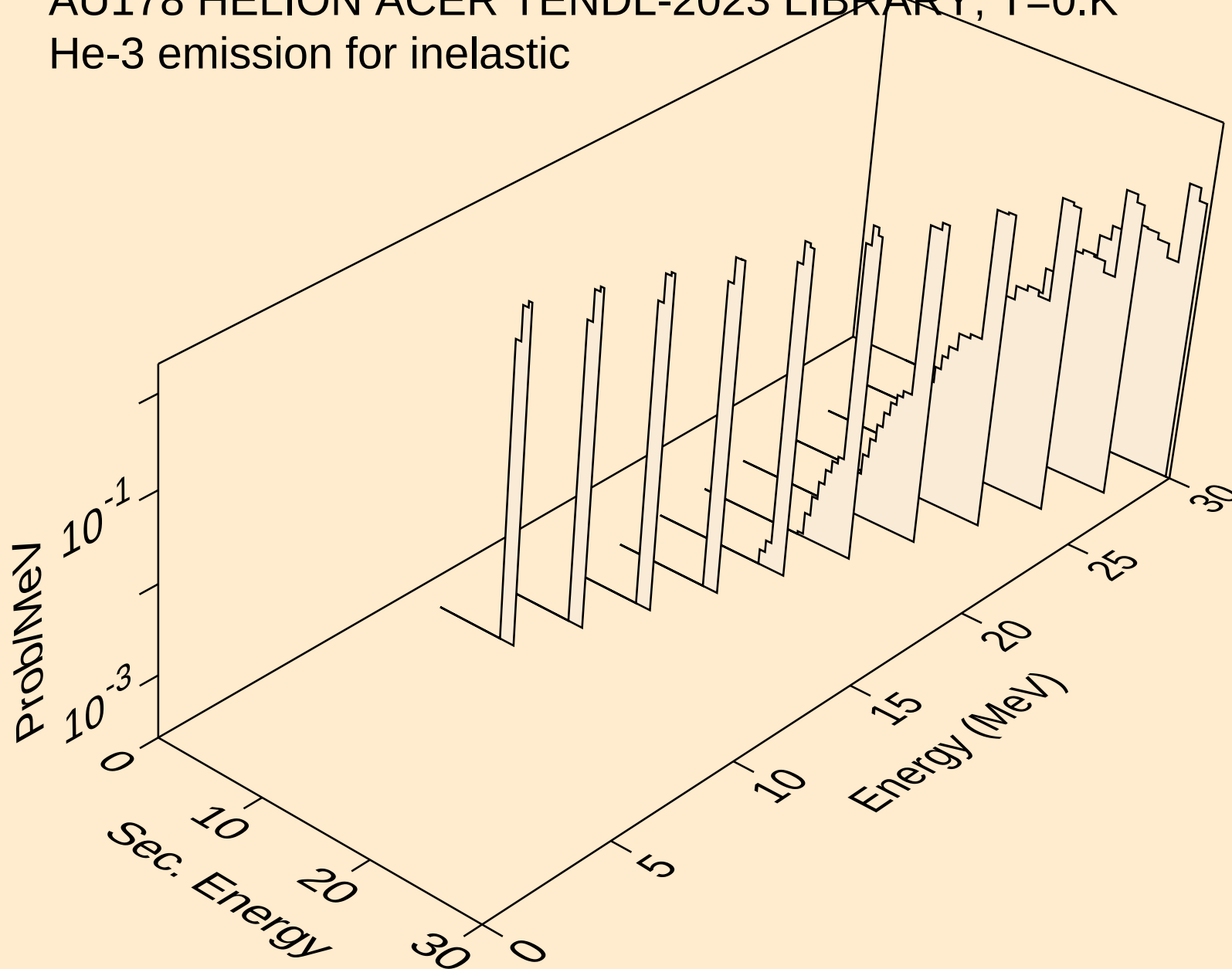
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



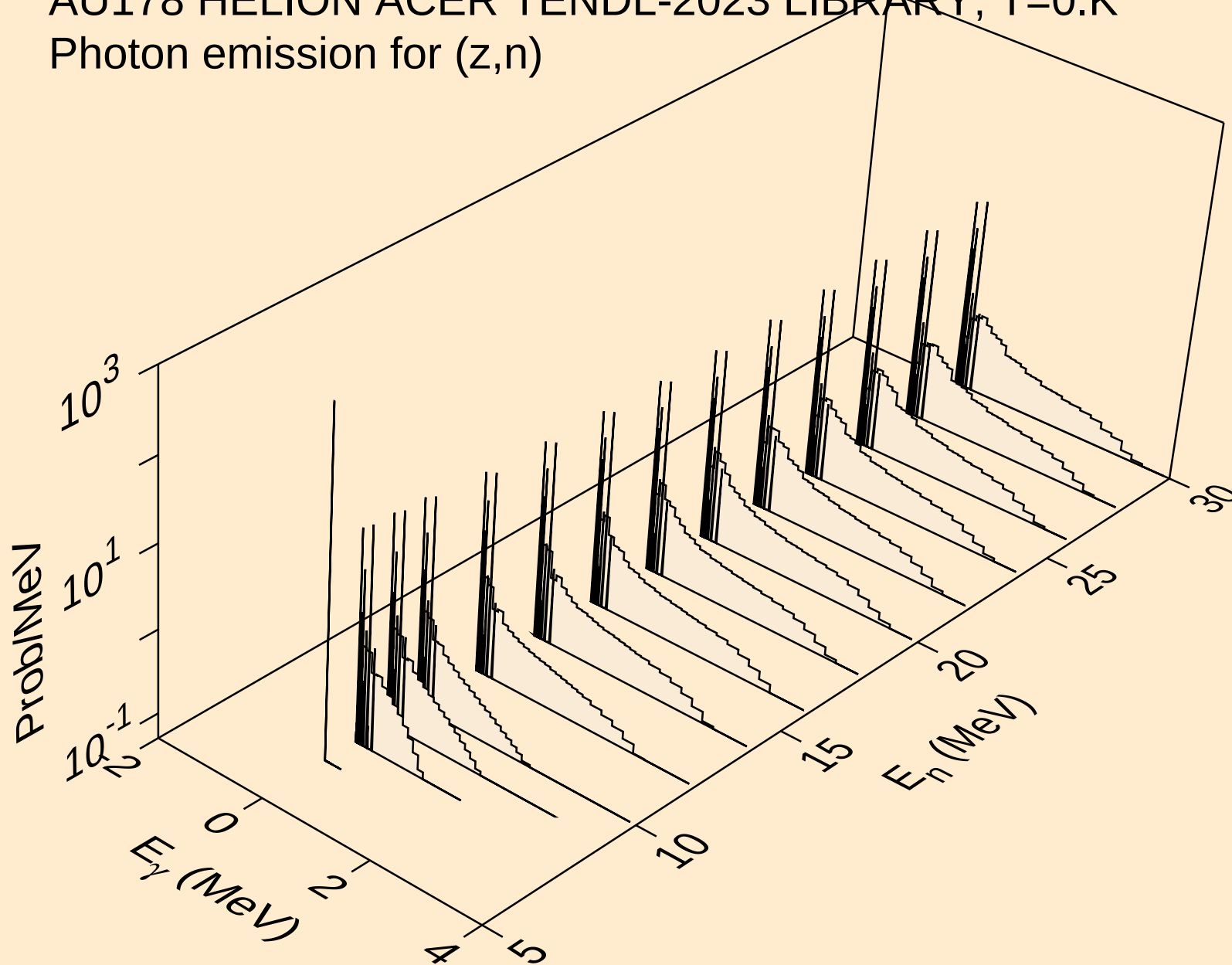
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

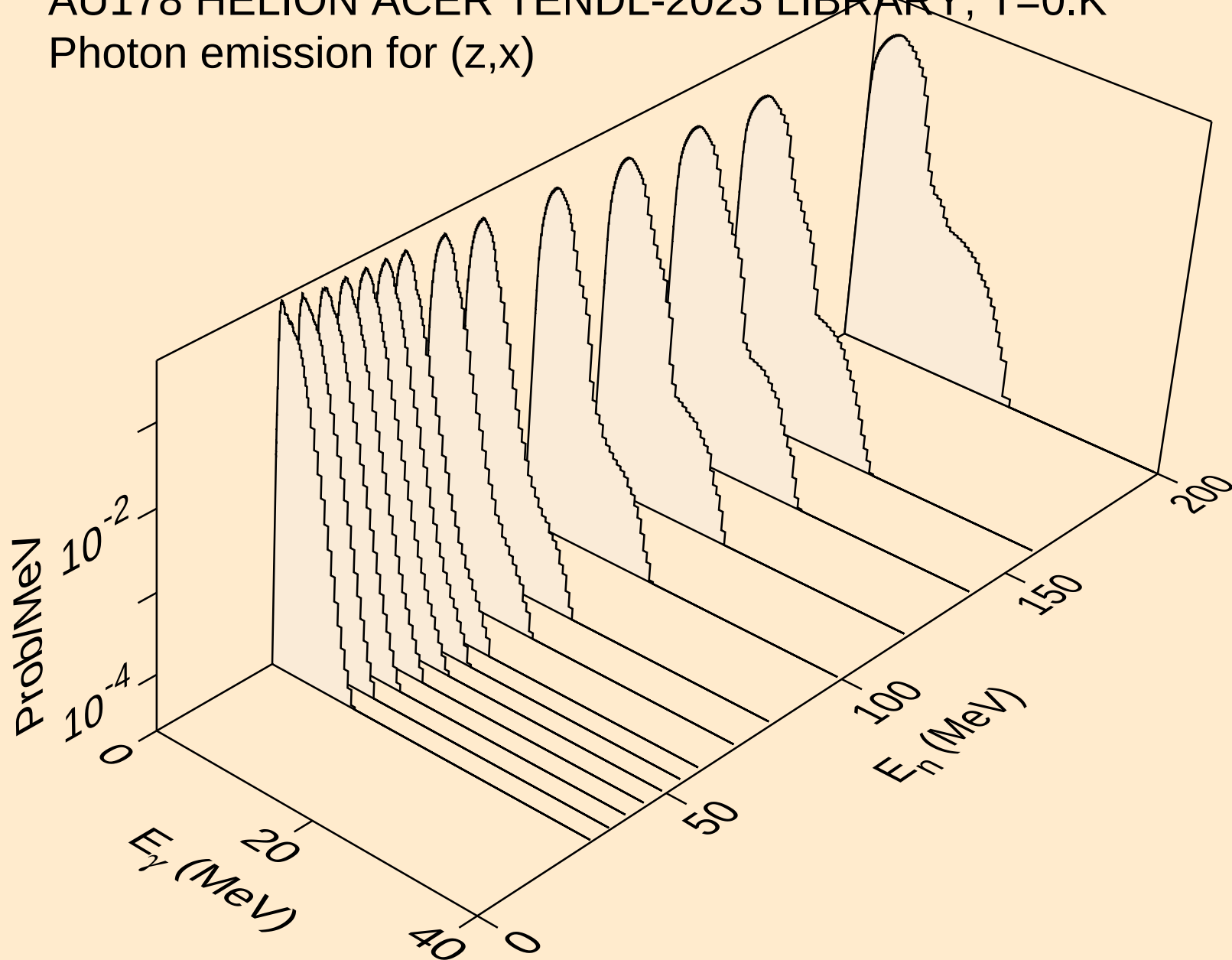


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

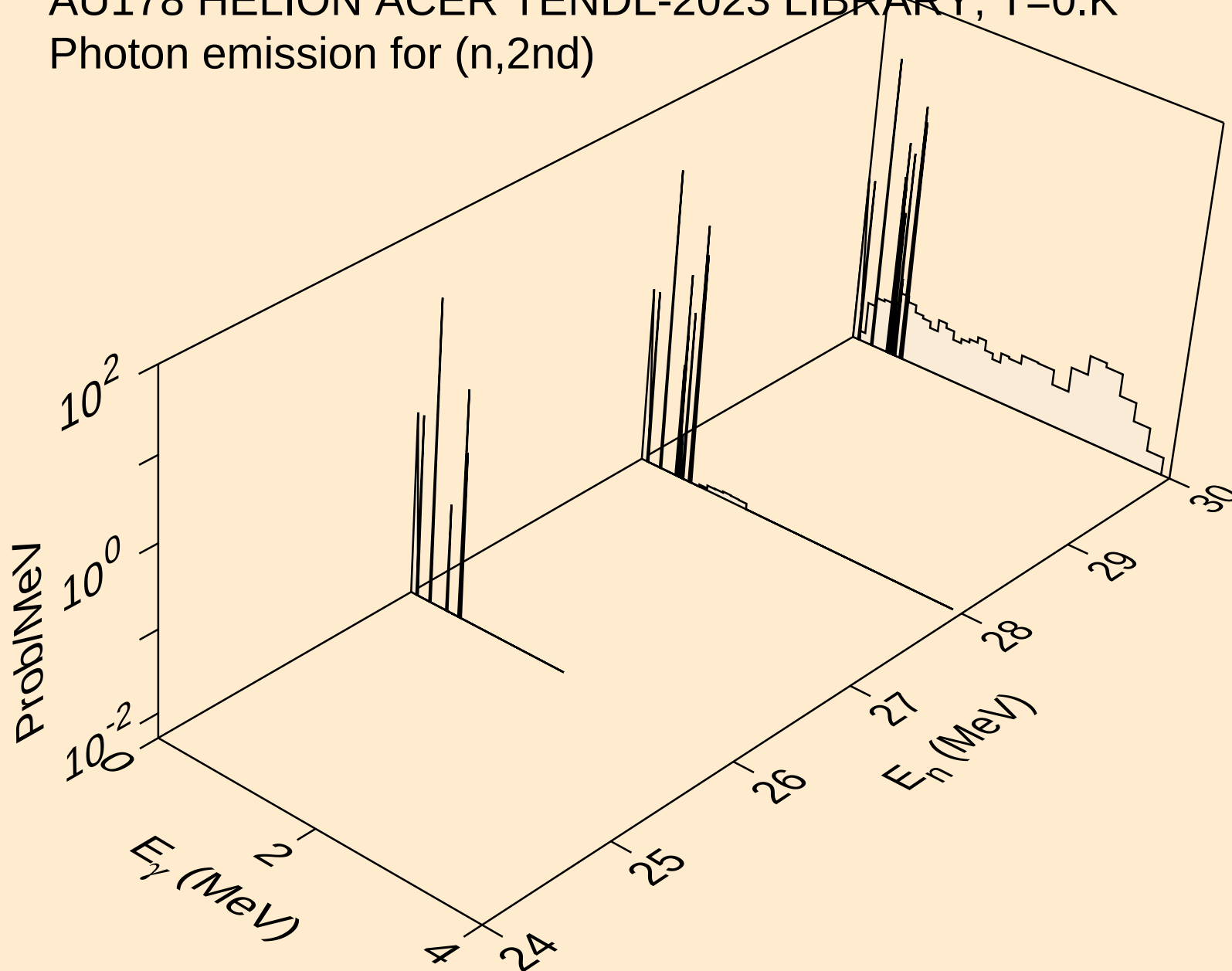


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

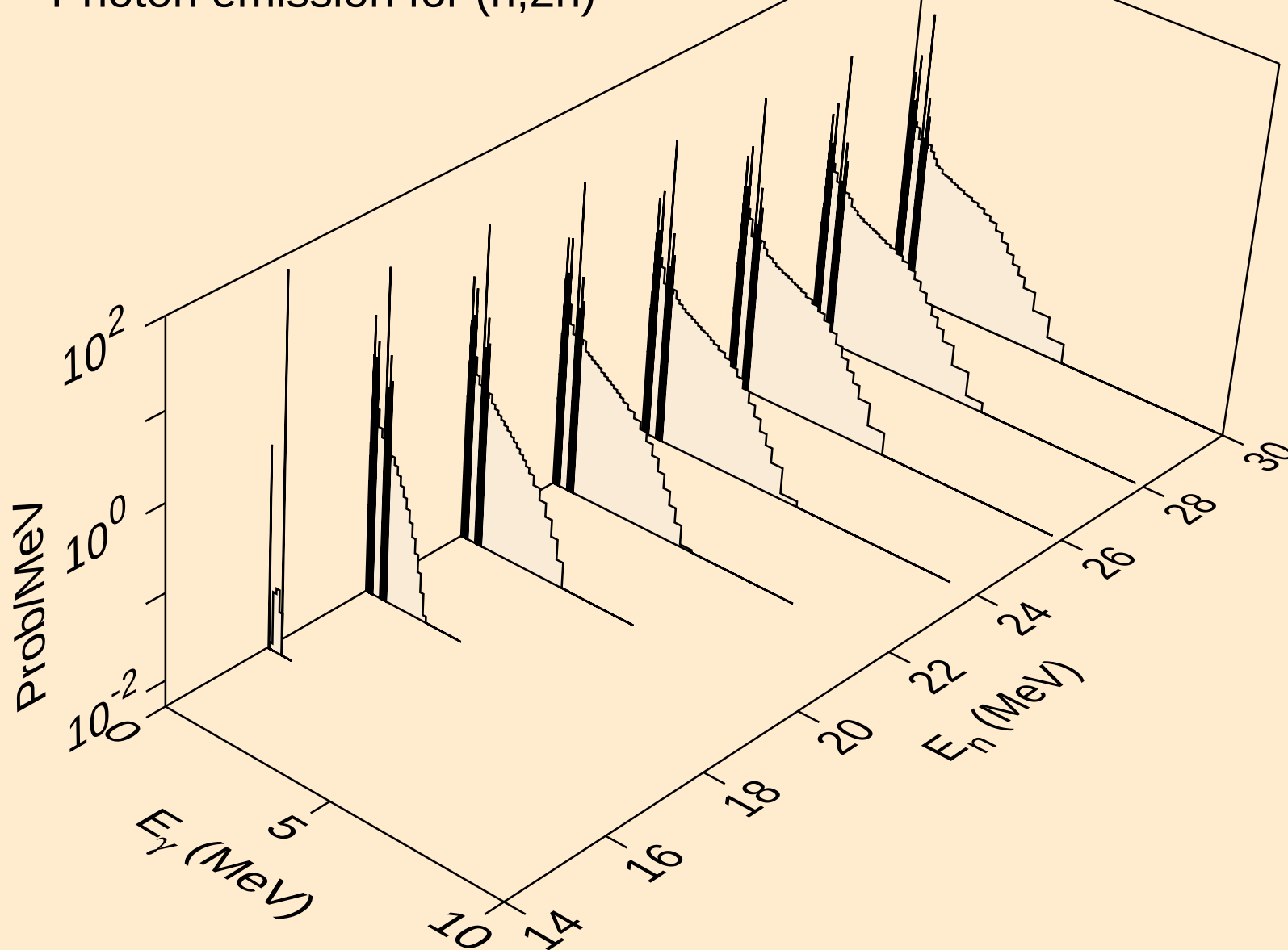
Photon emission for (z,x)



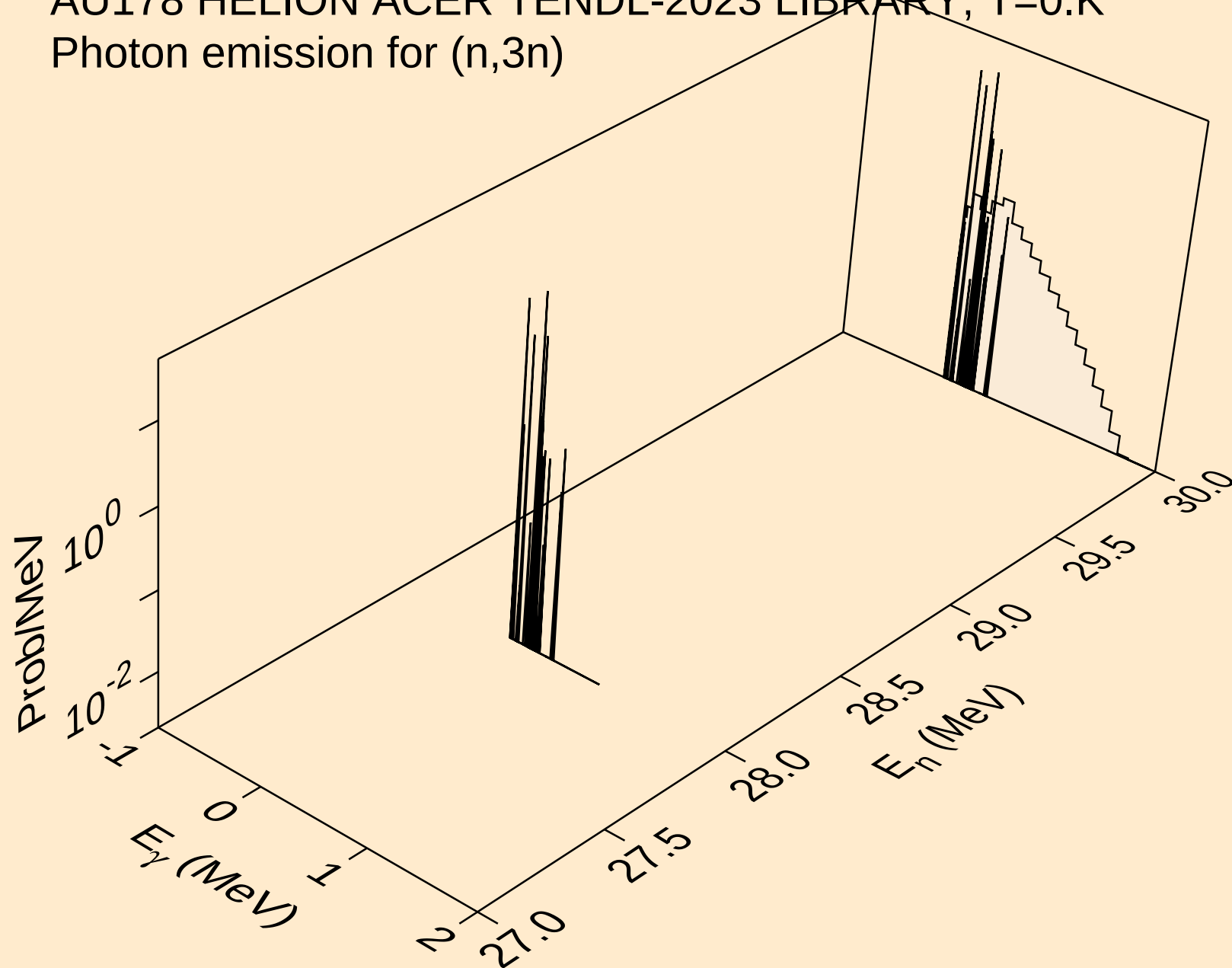
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

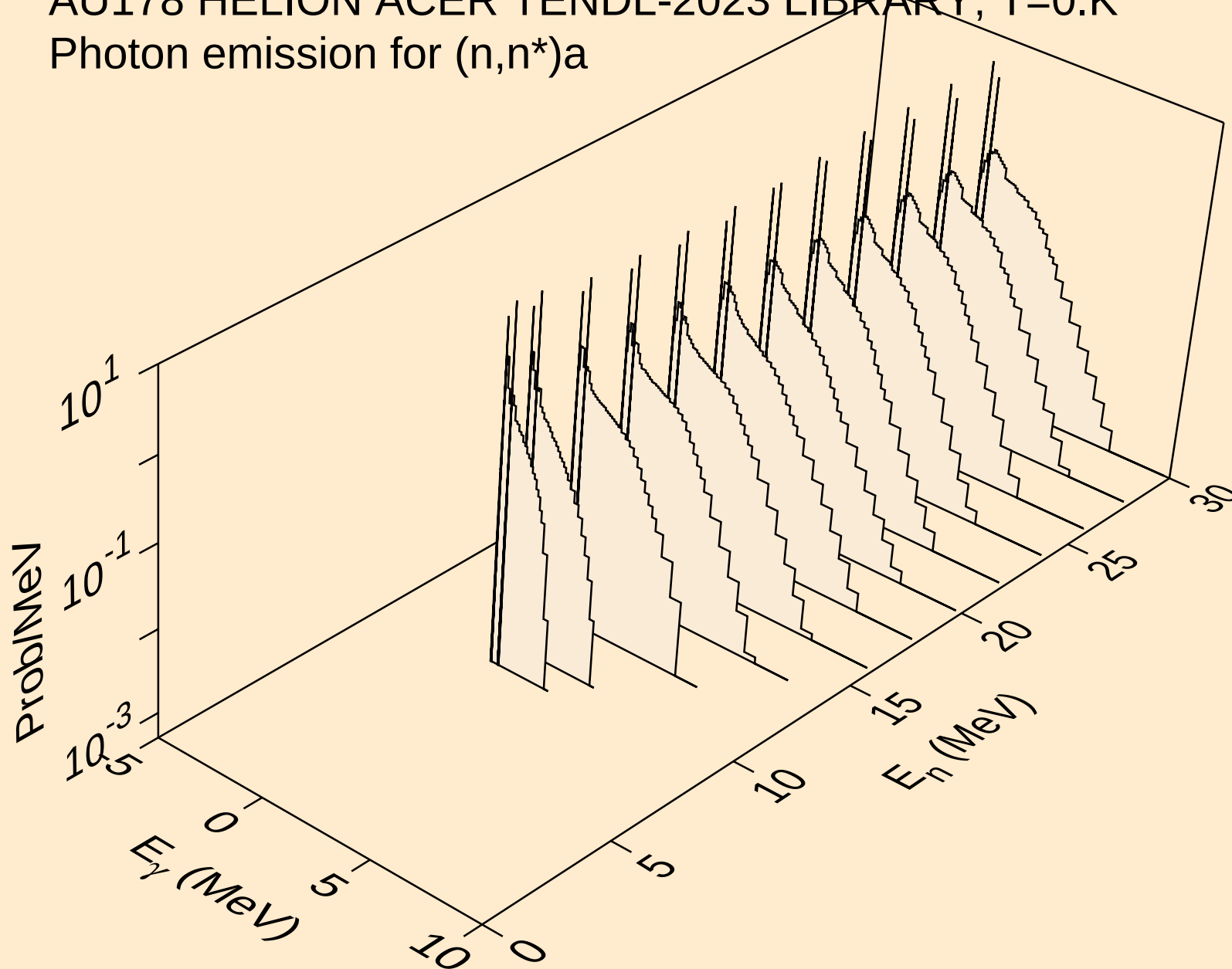


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



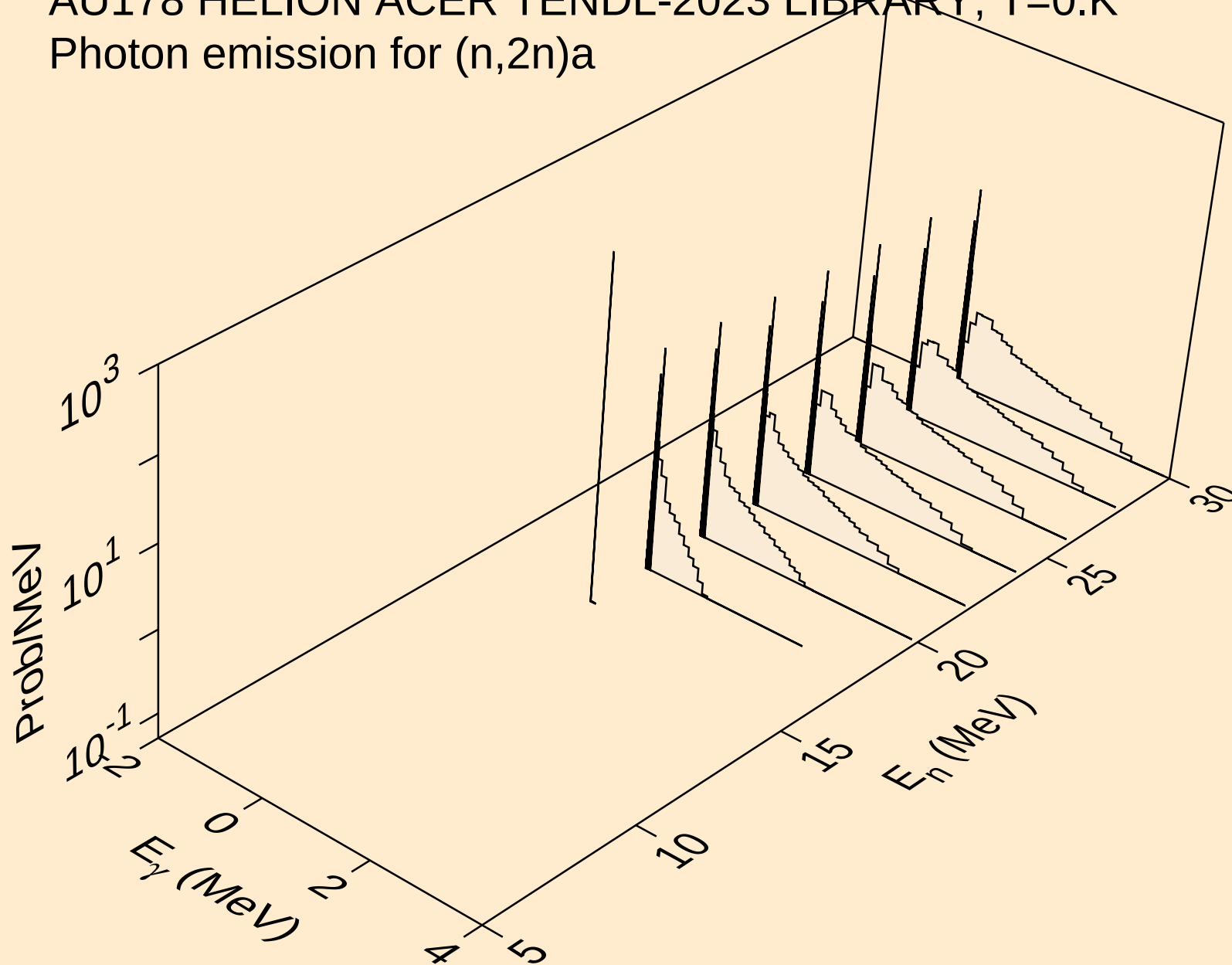
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



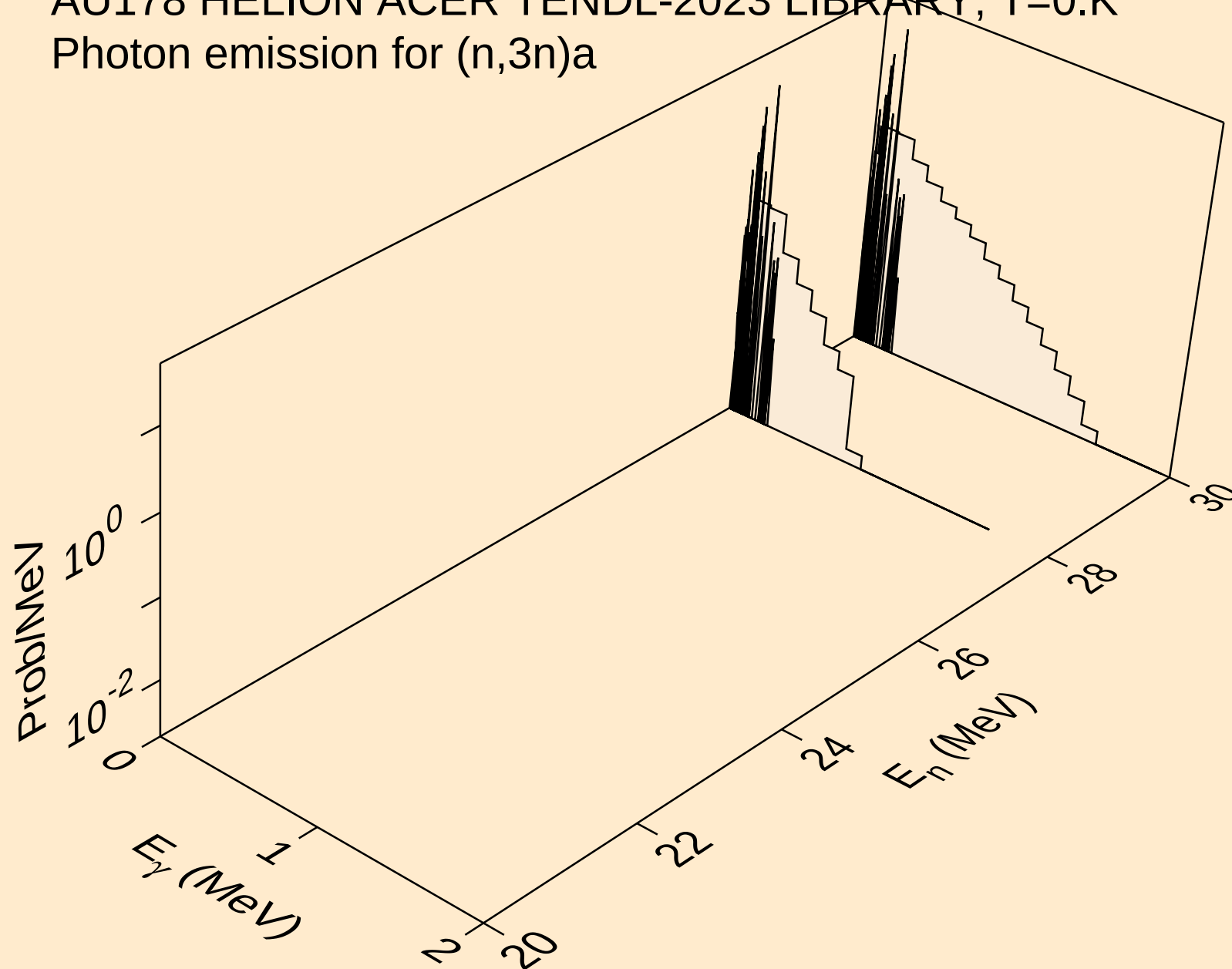
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

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



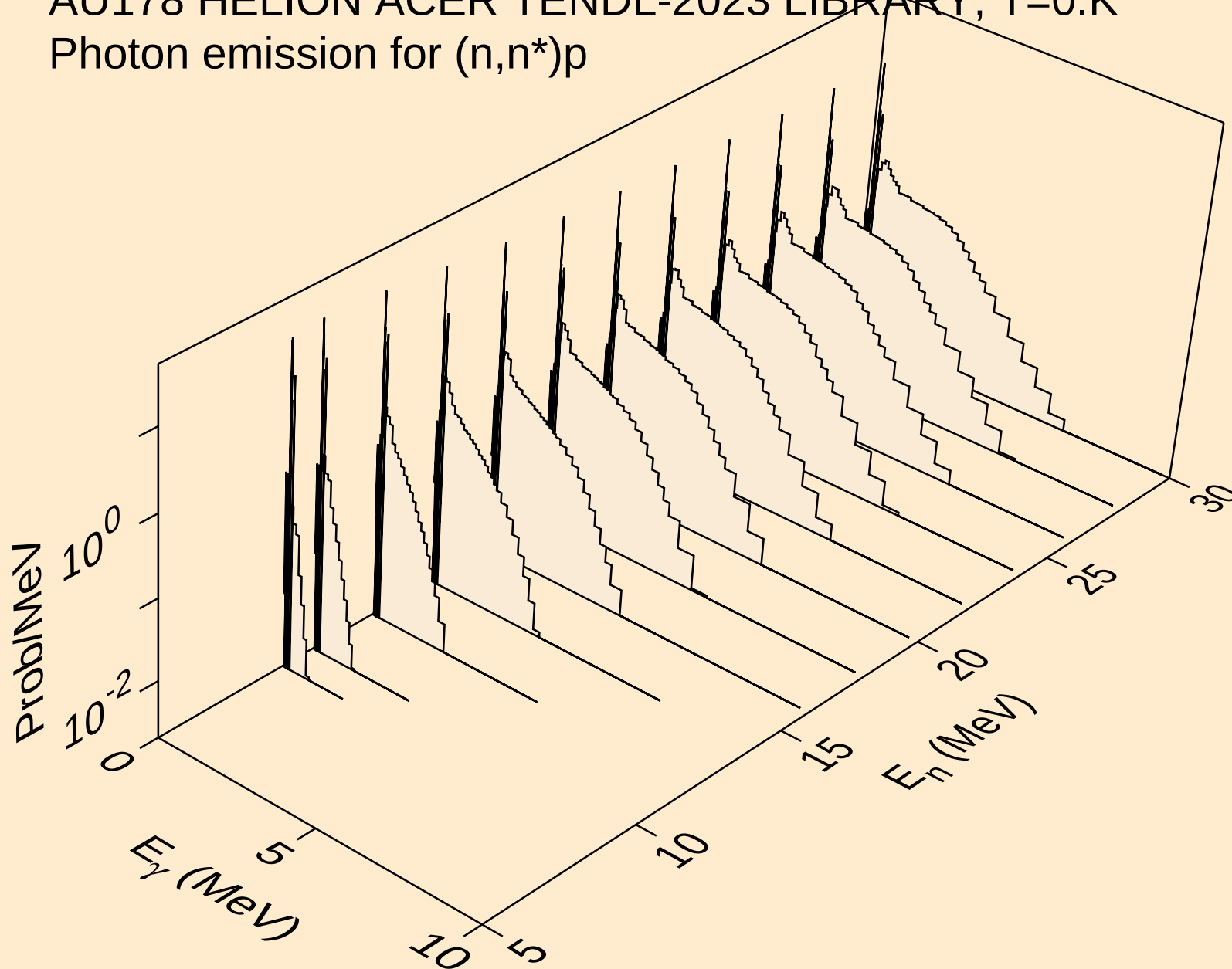
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$

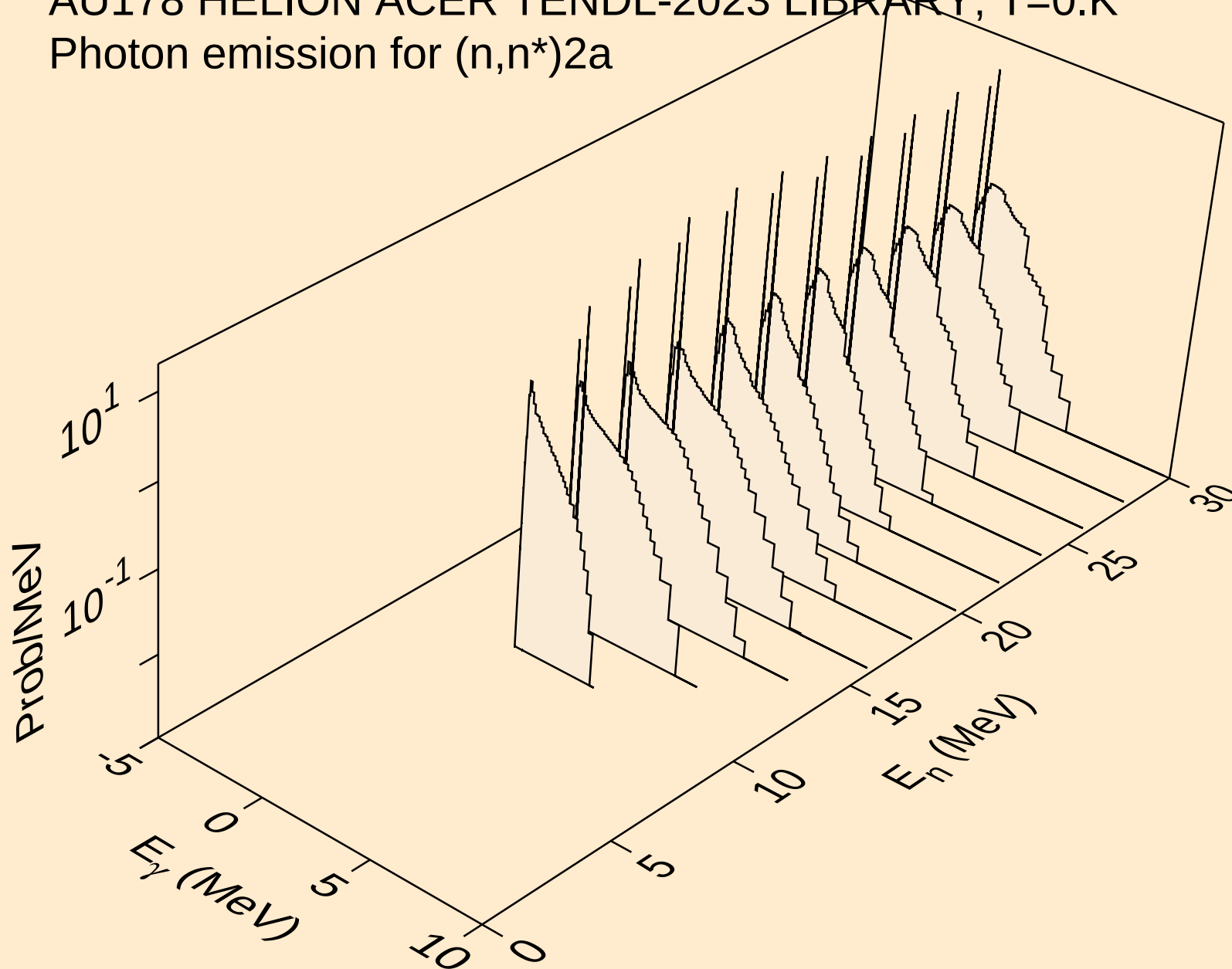


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p

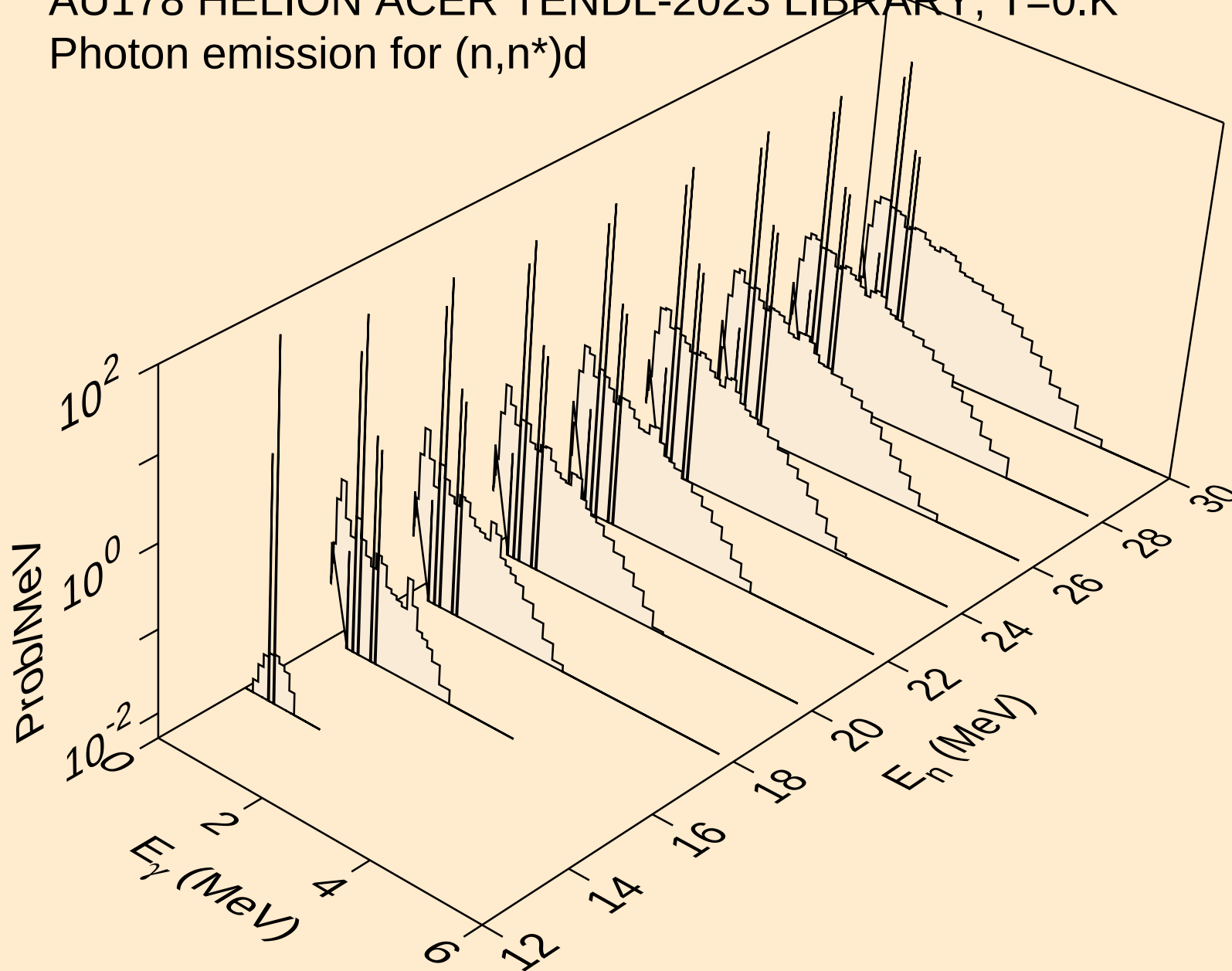


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



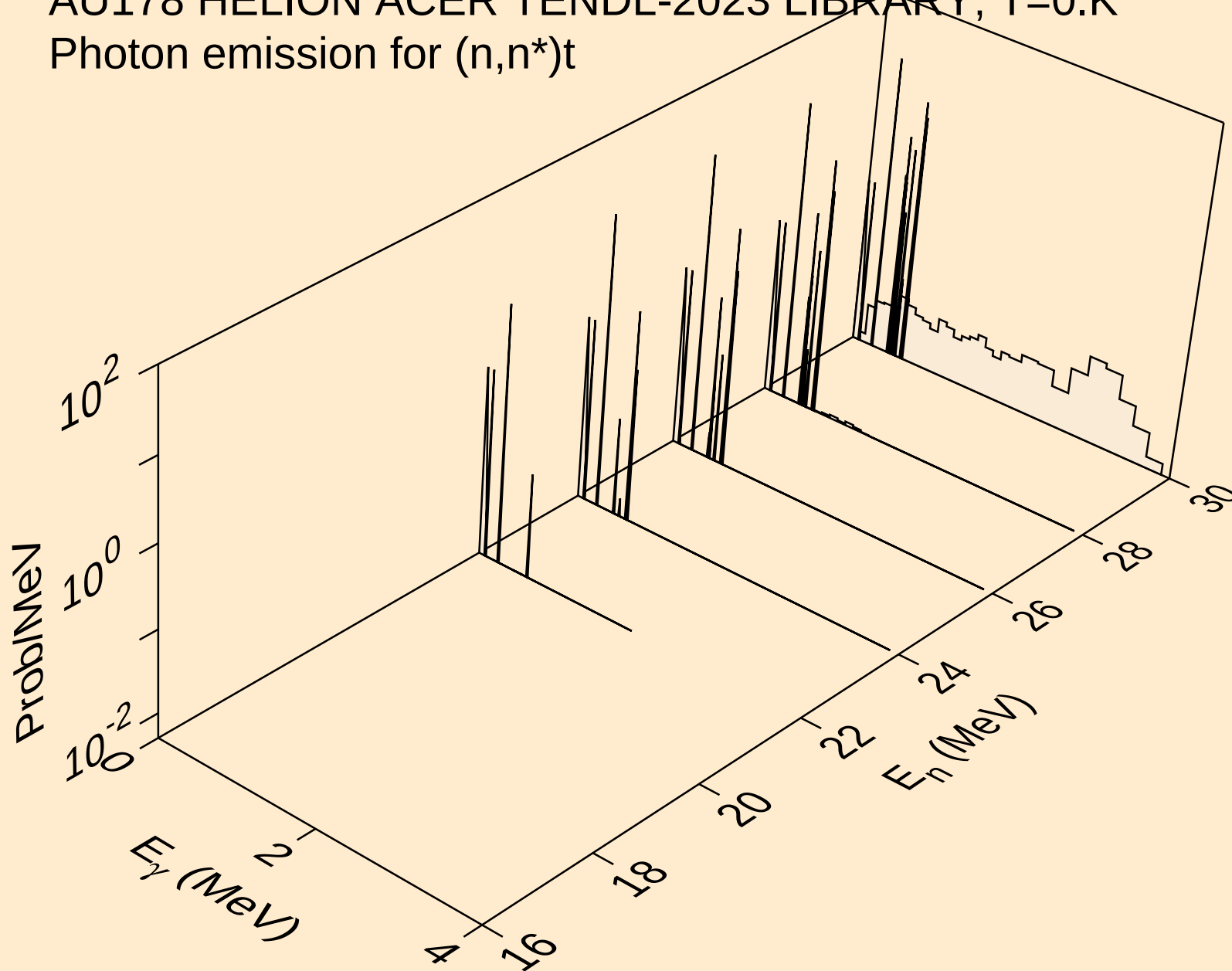
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



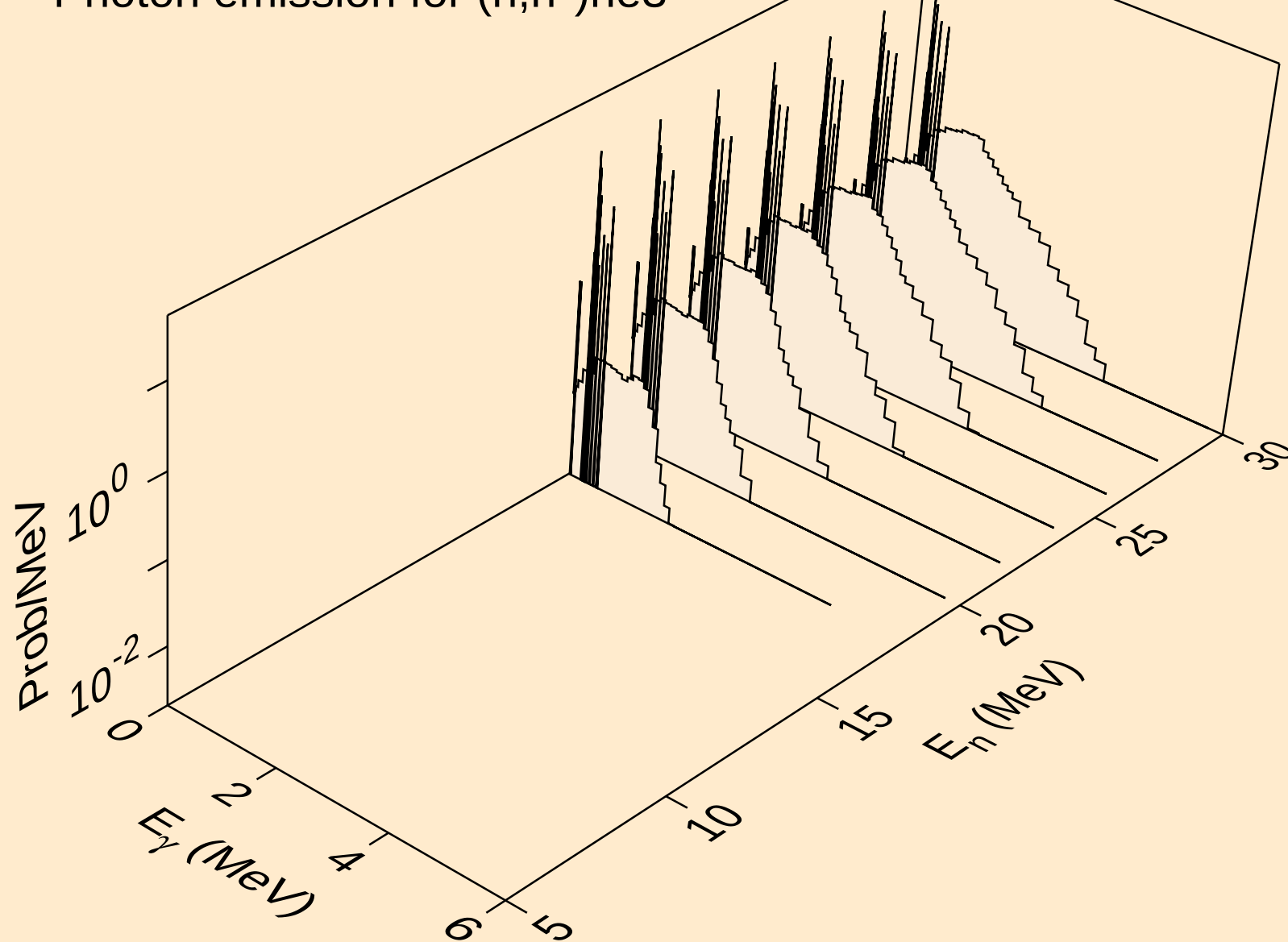
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

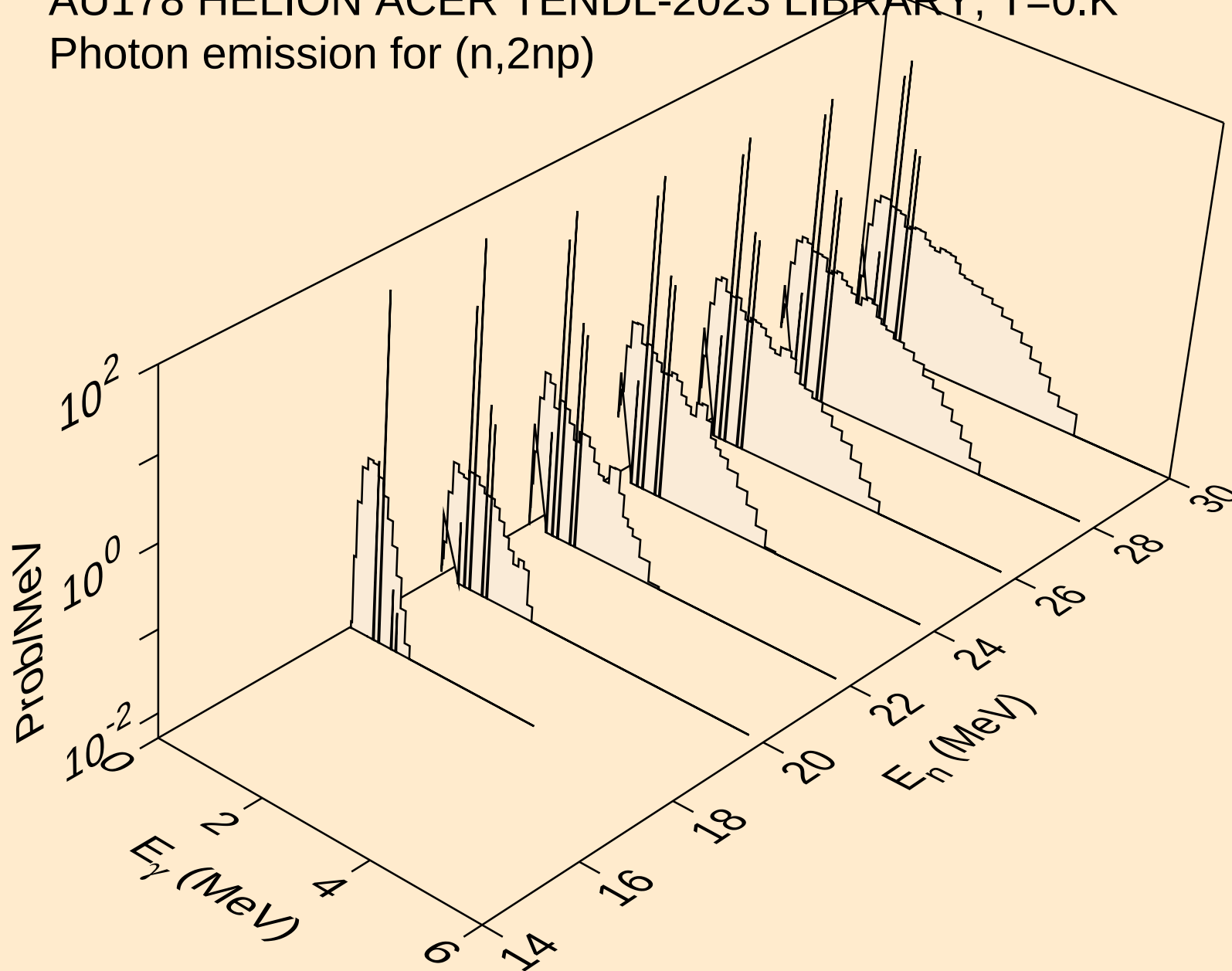


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

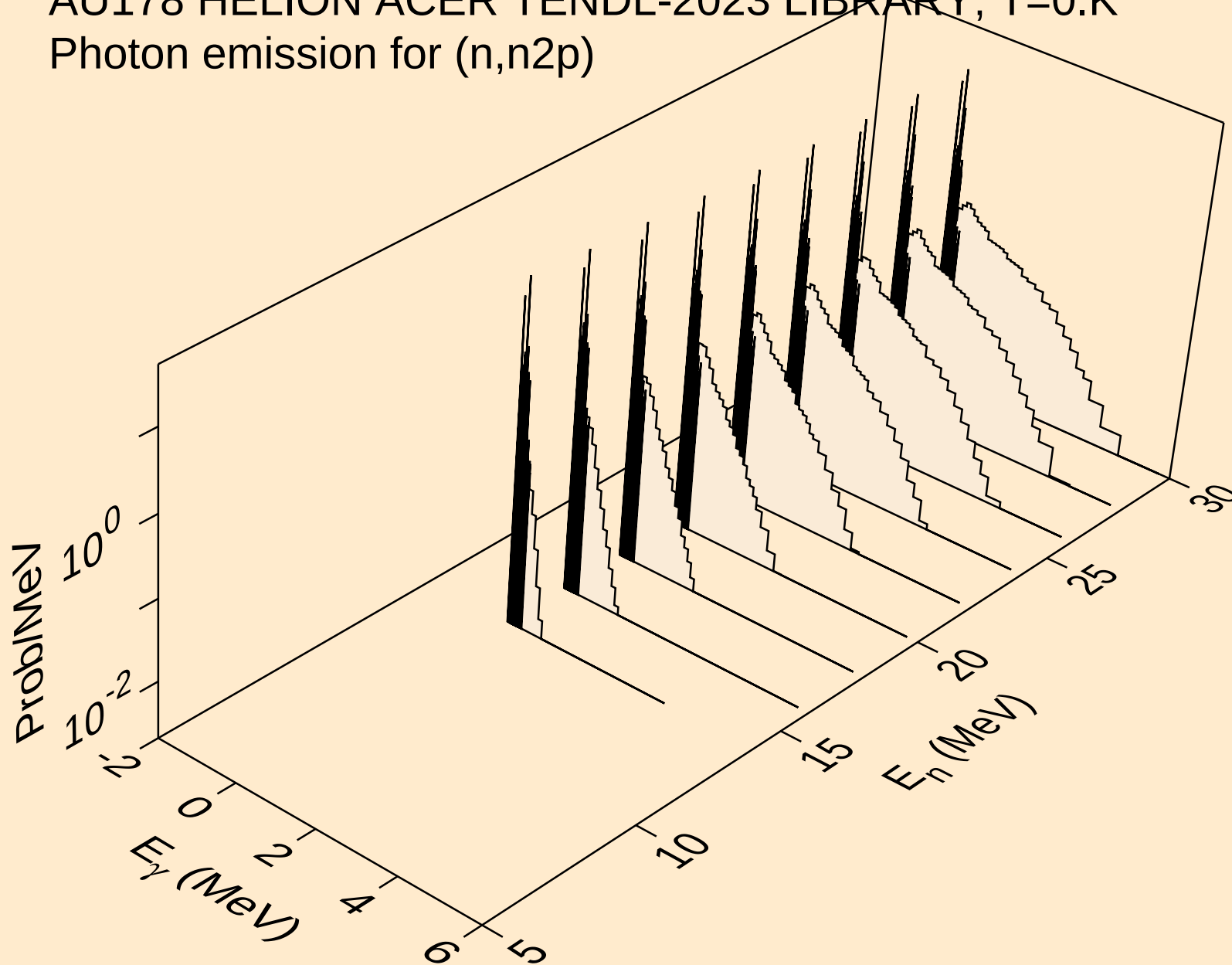
Photon emission for (n,n\*)he3



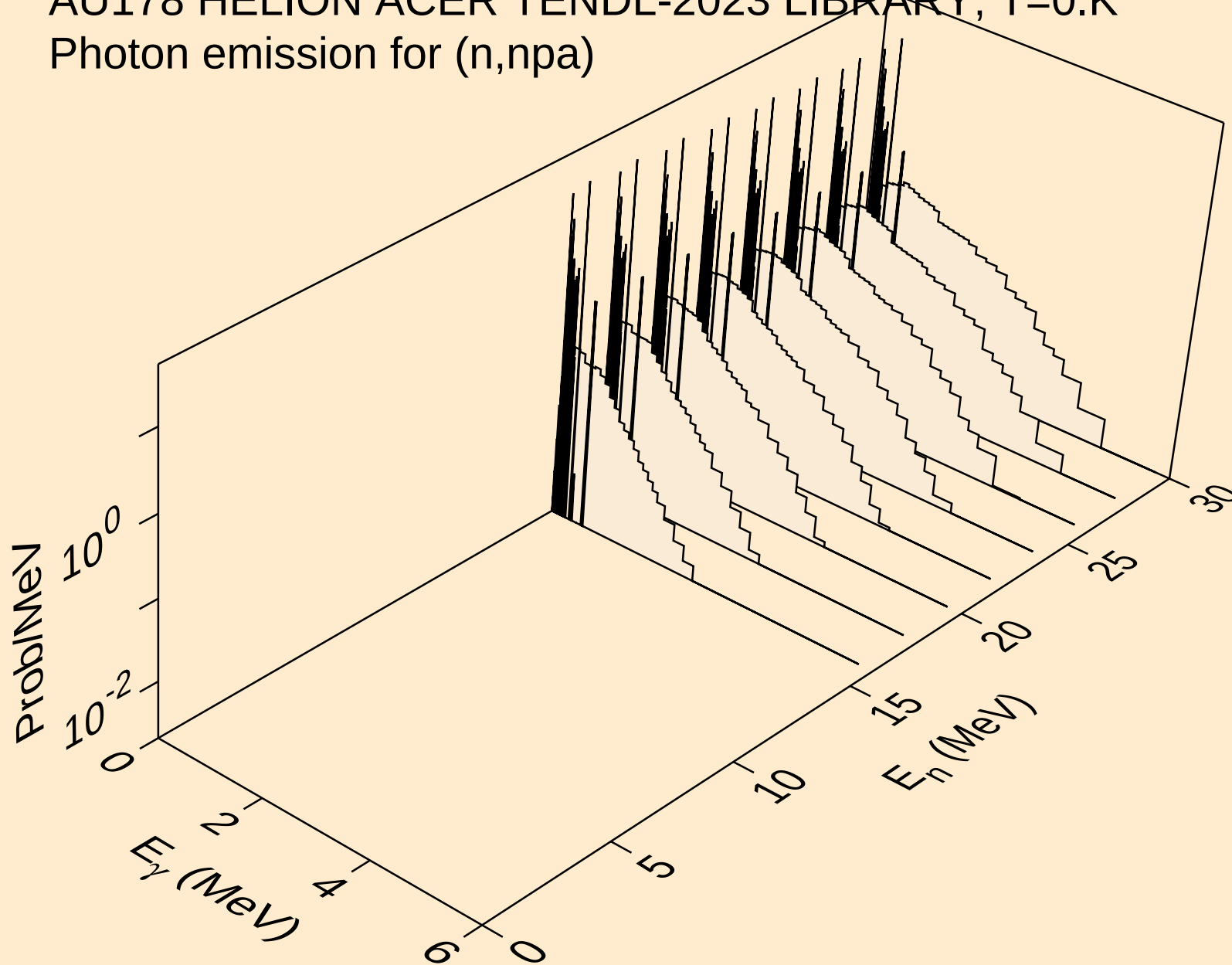
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



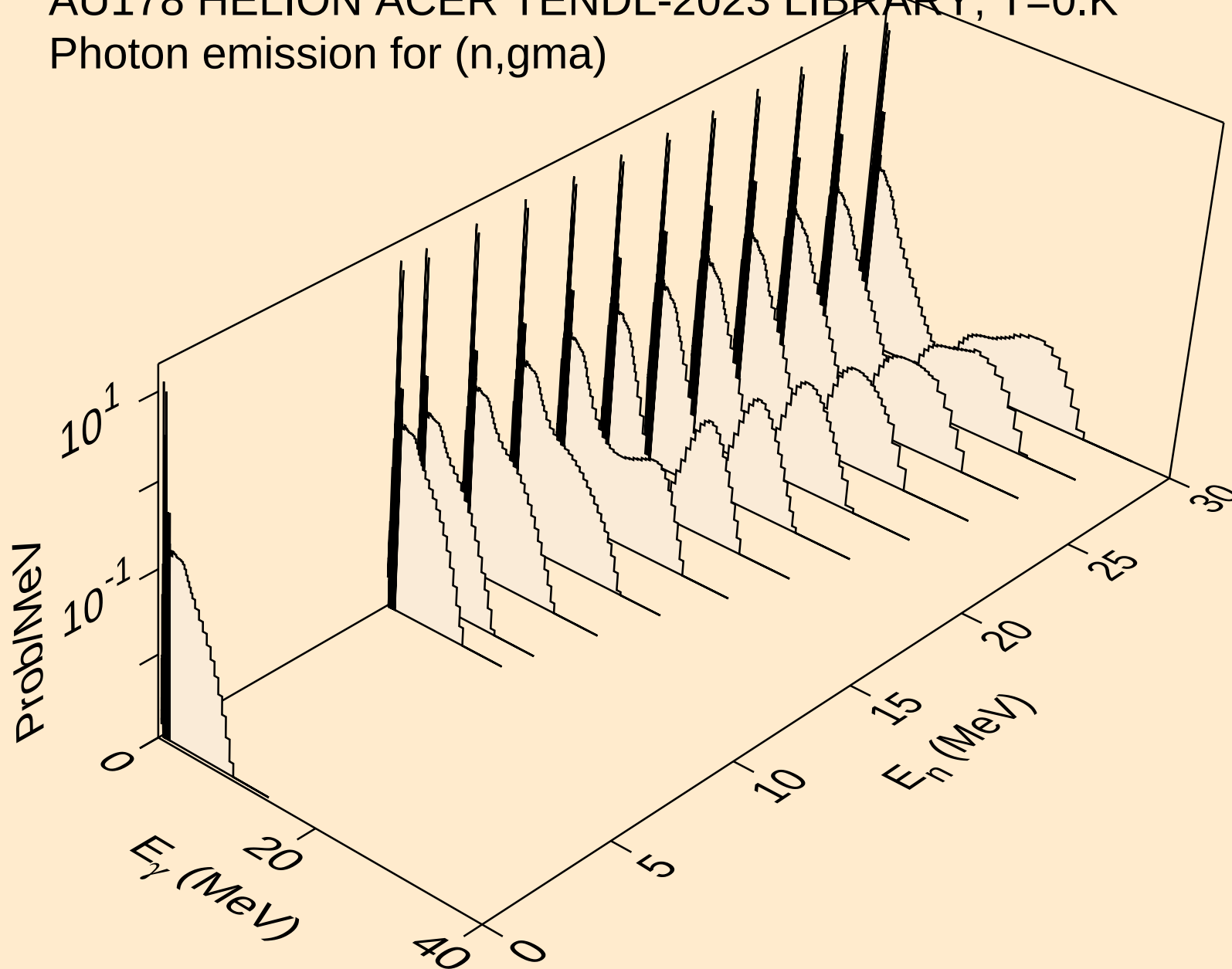
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



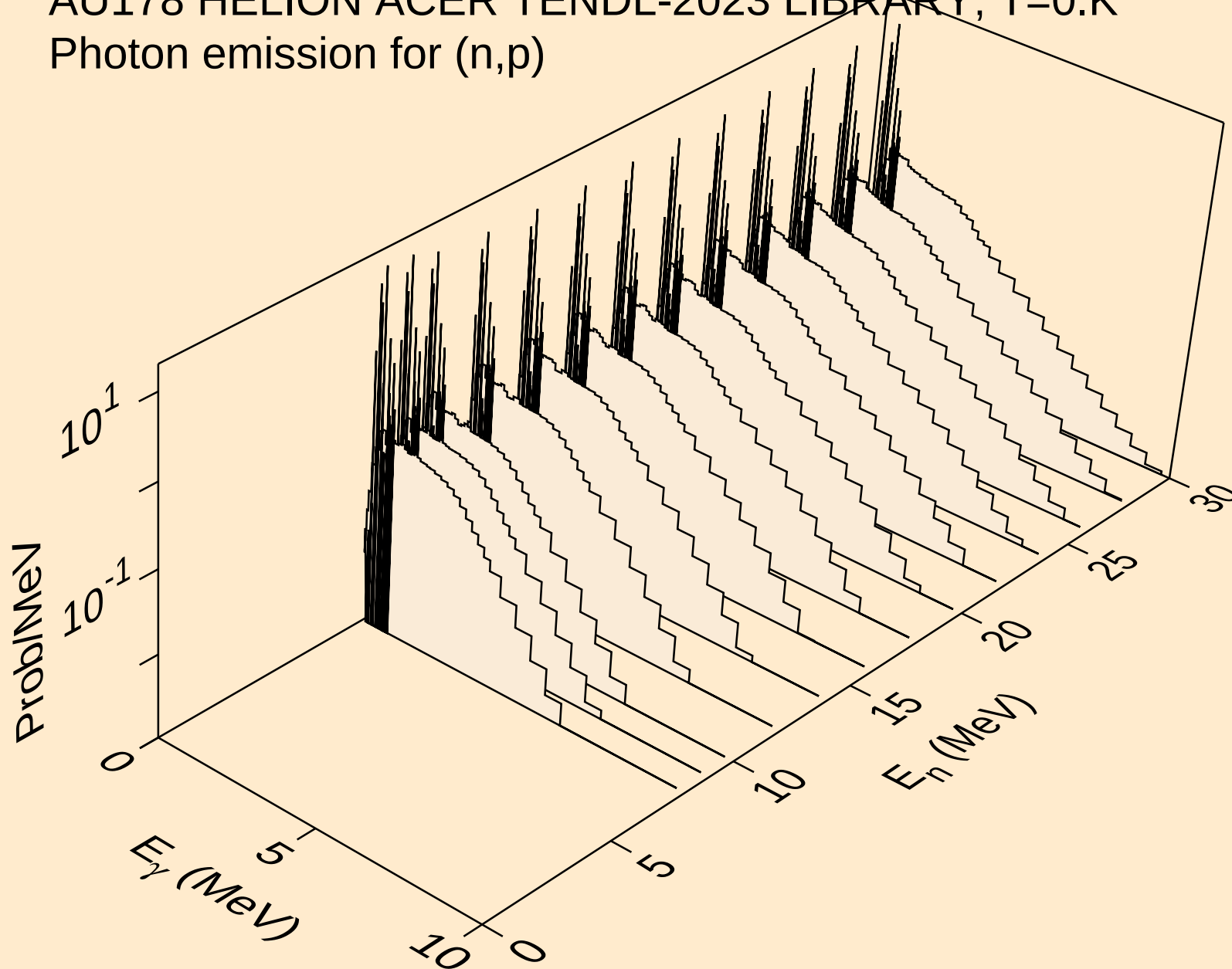
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



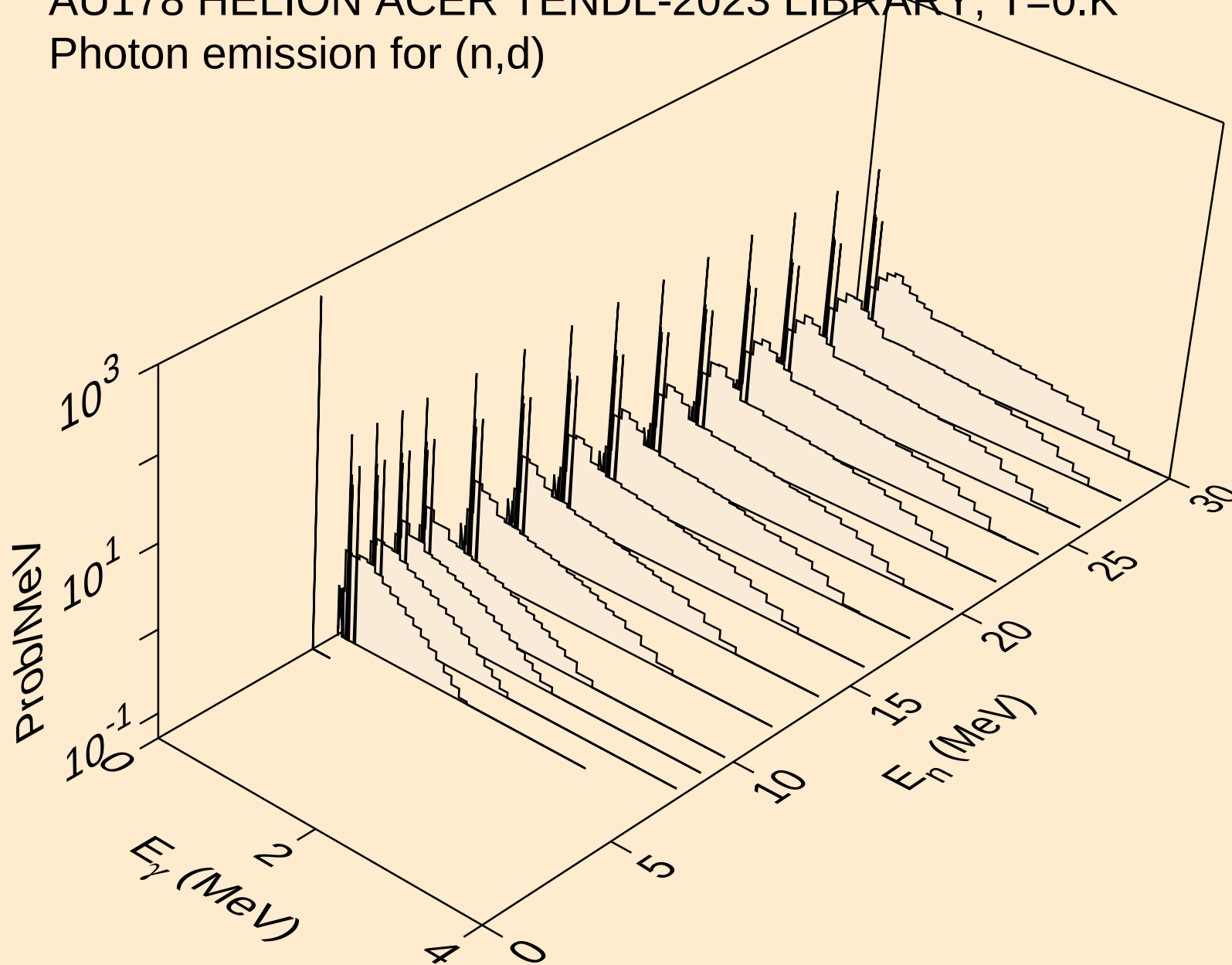
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



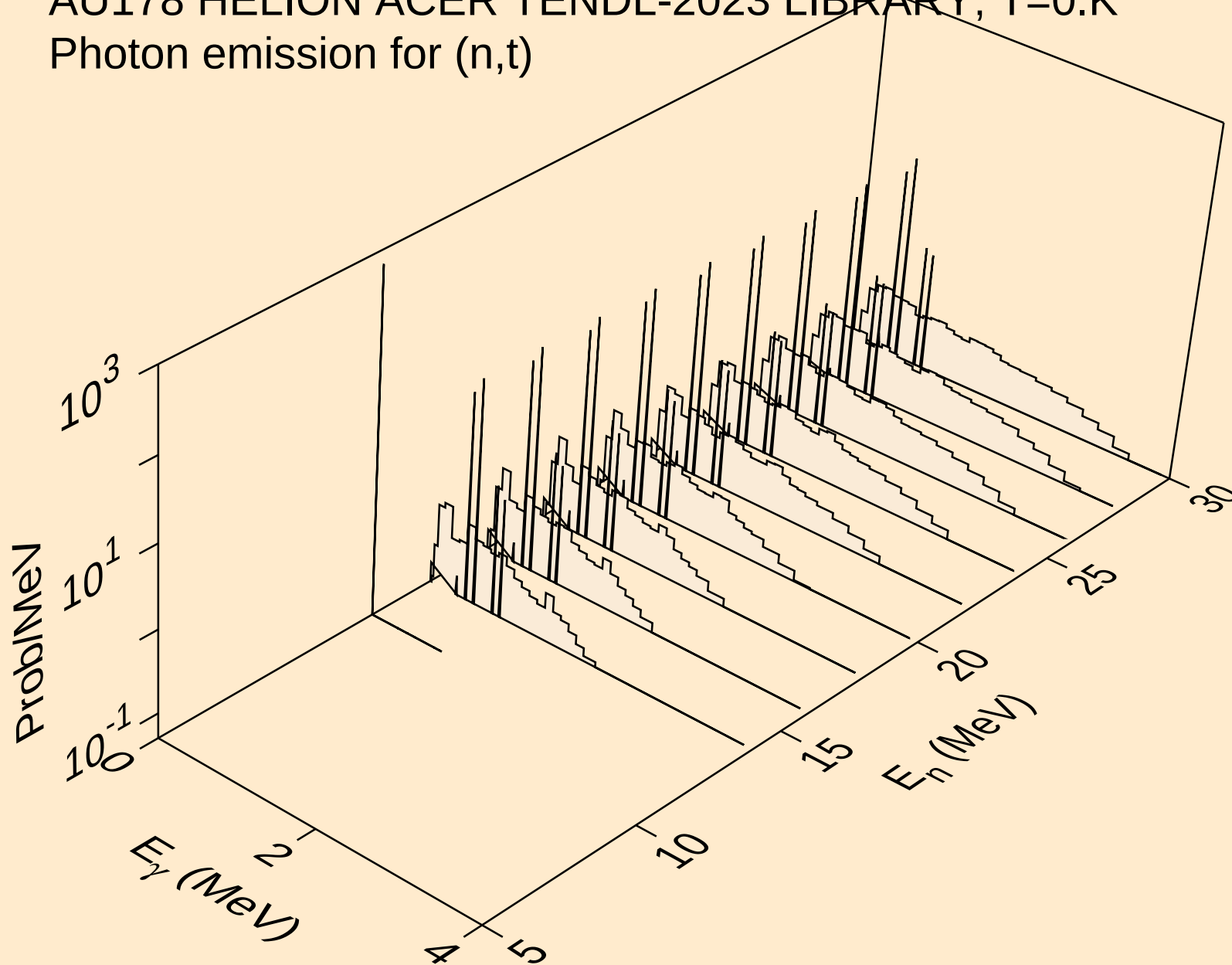
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



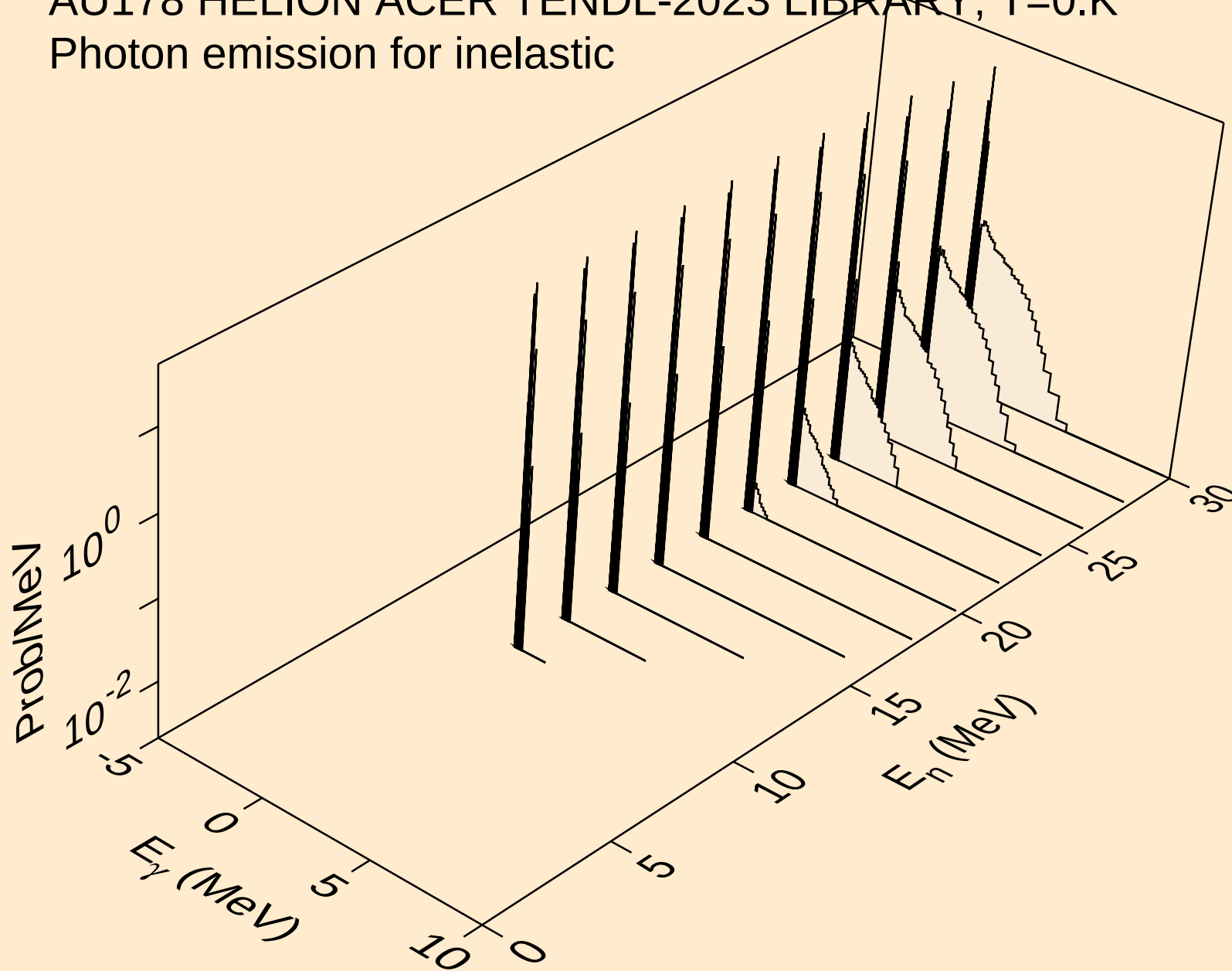
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



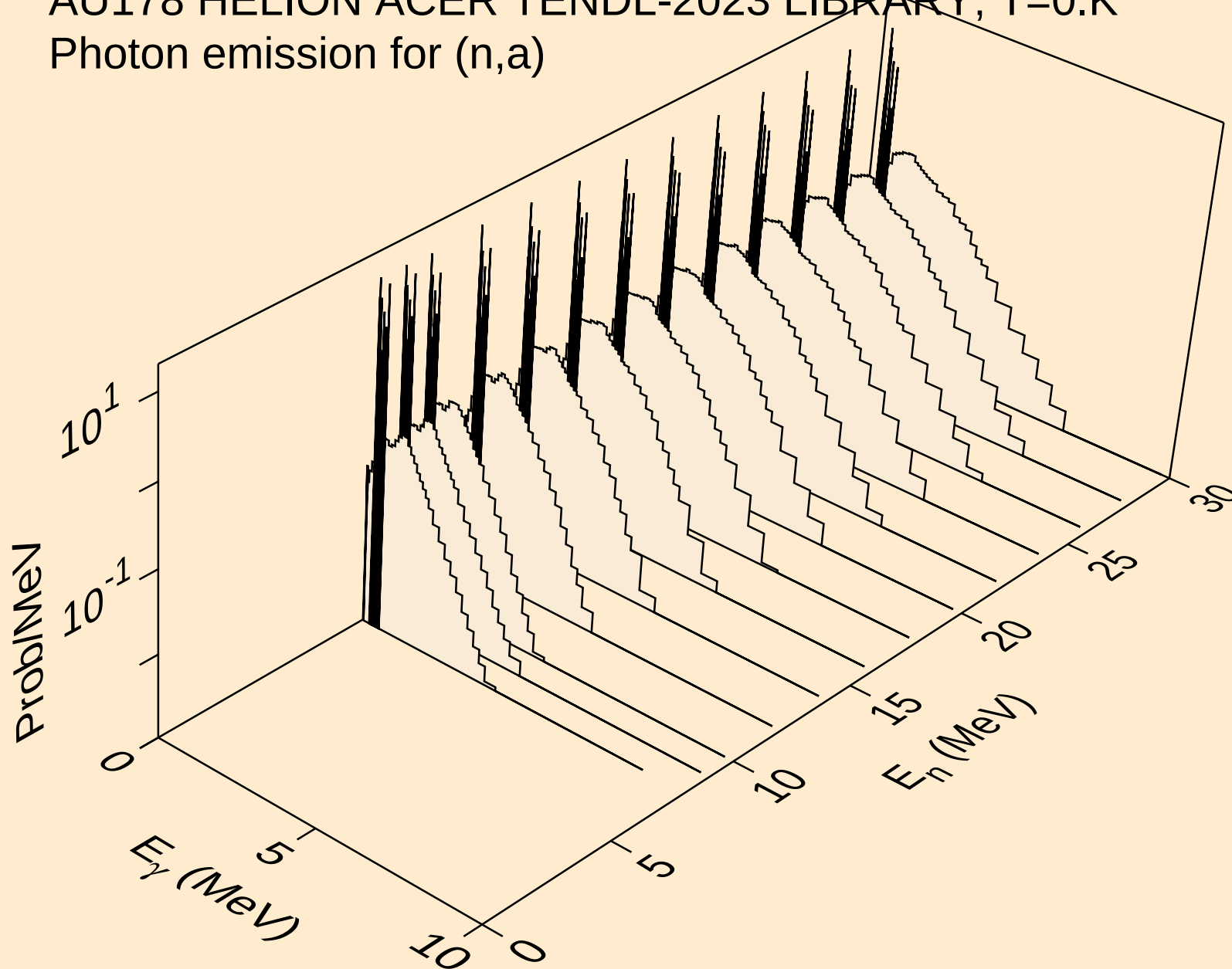
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



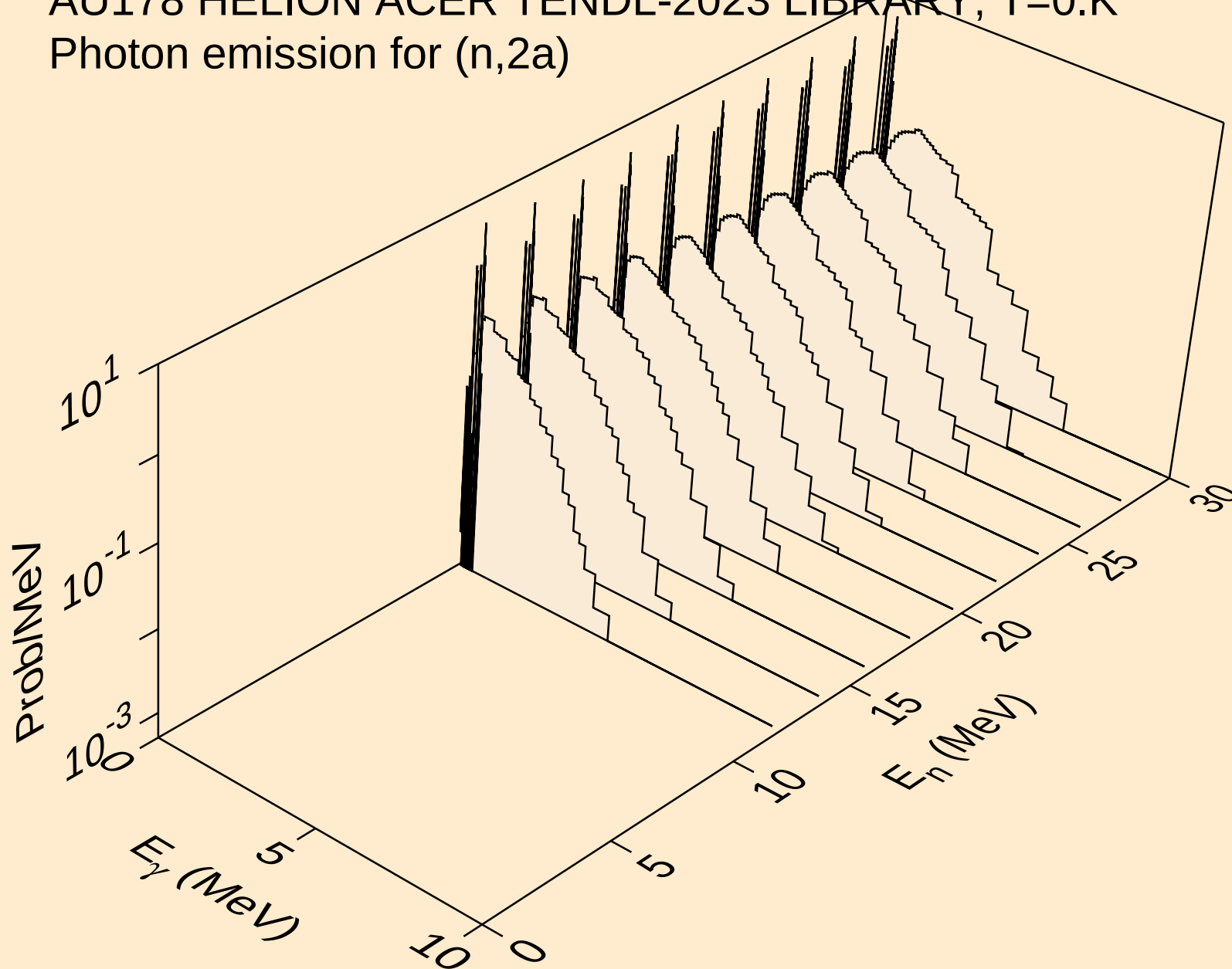
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

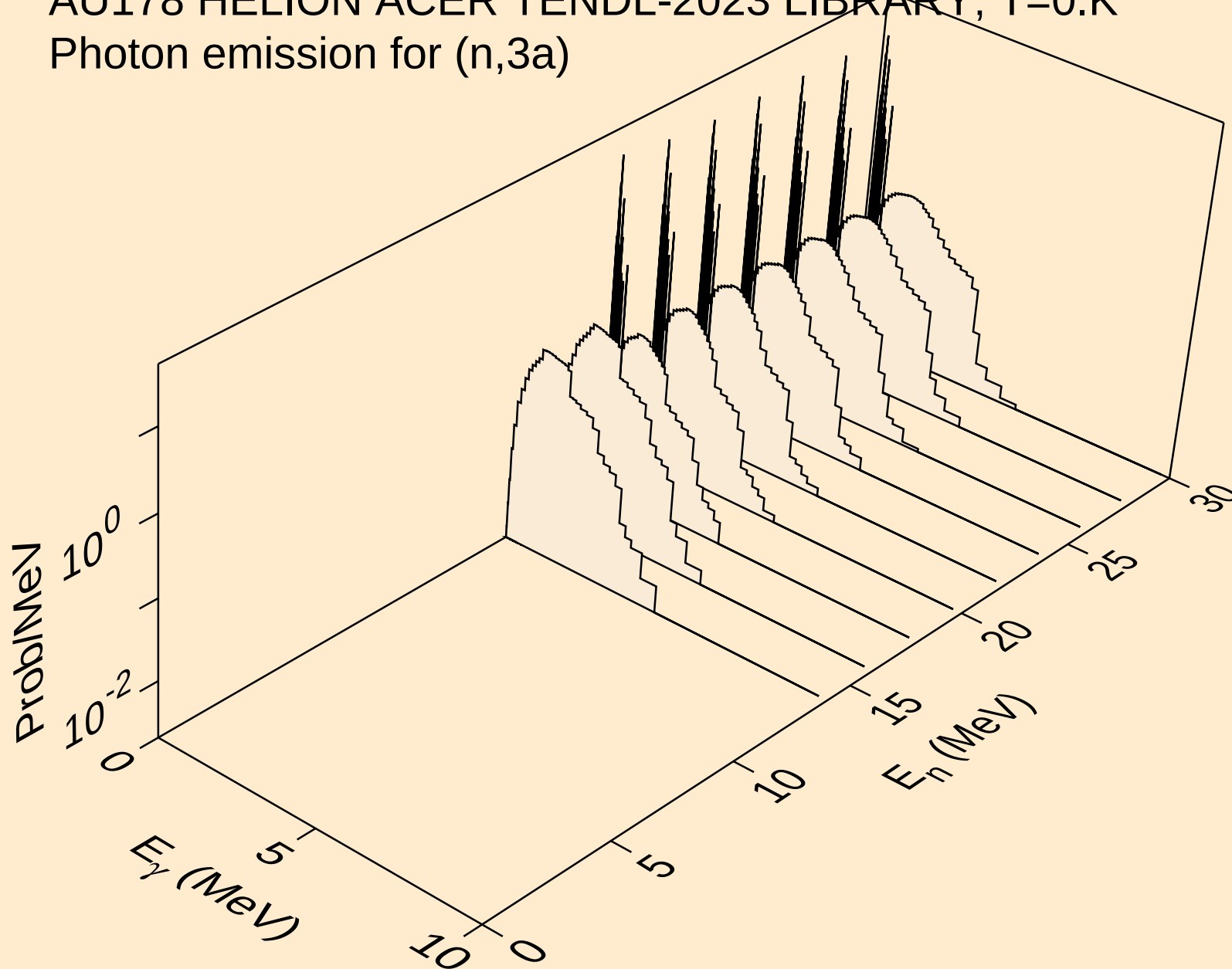


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

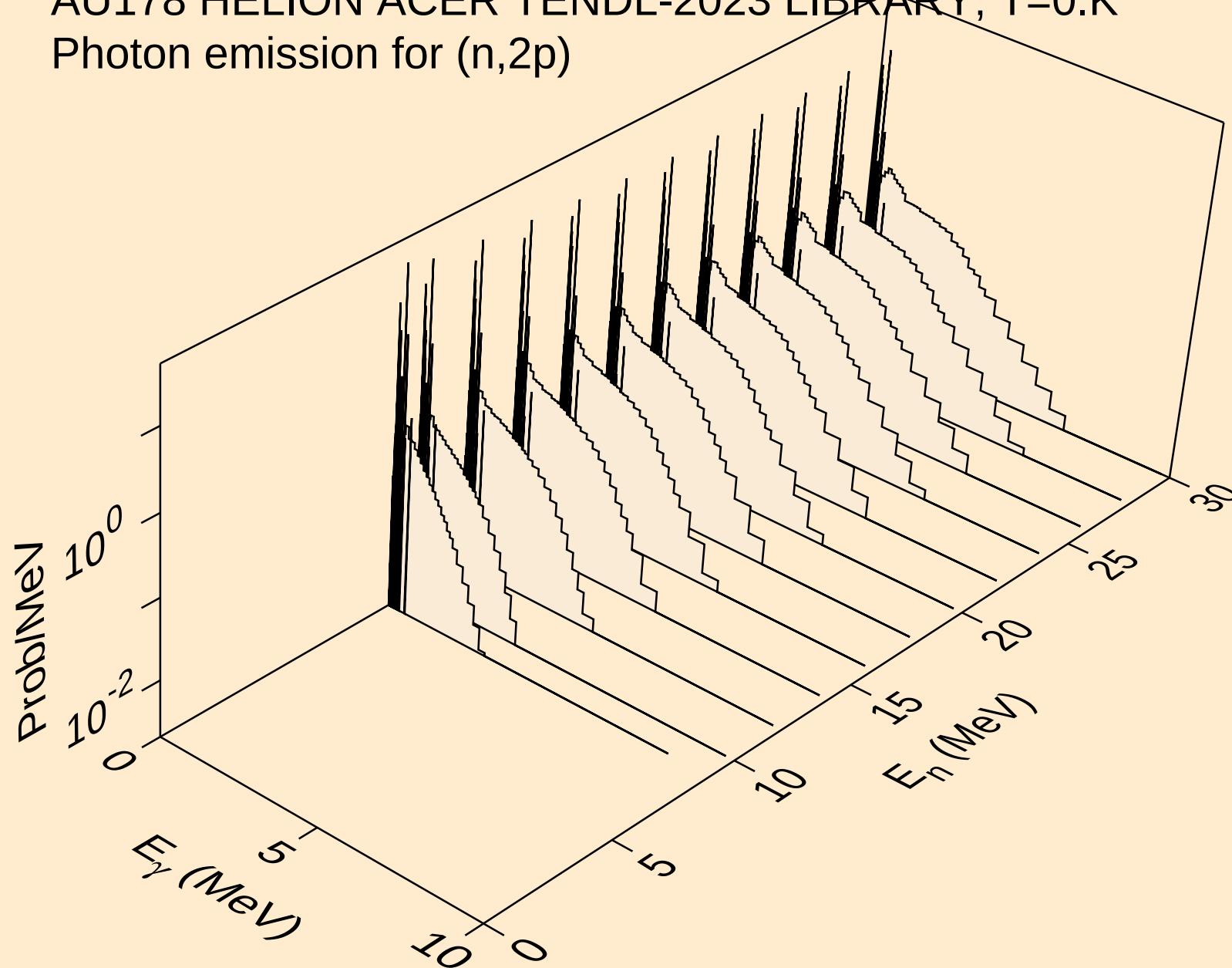


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

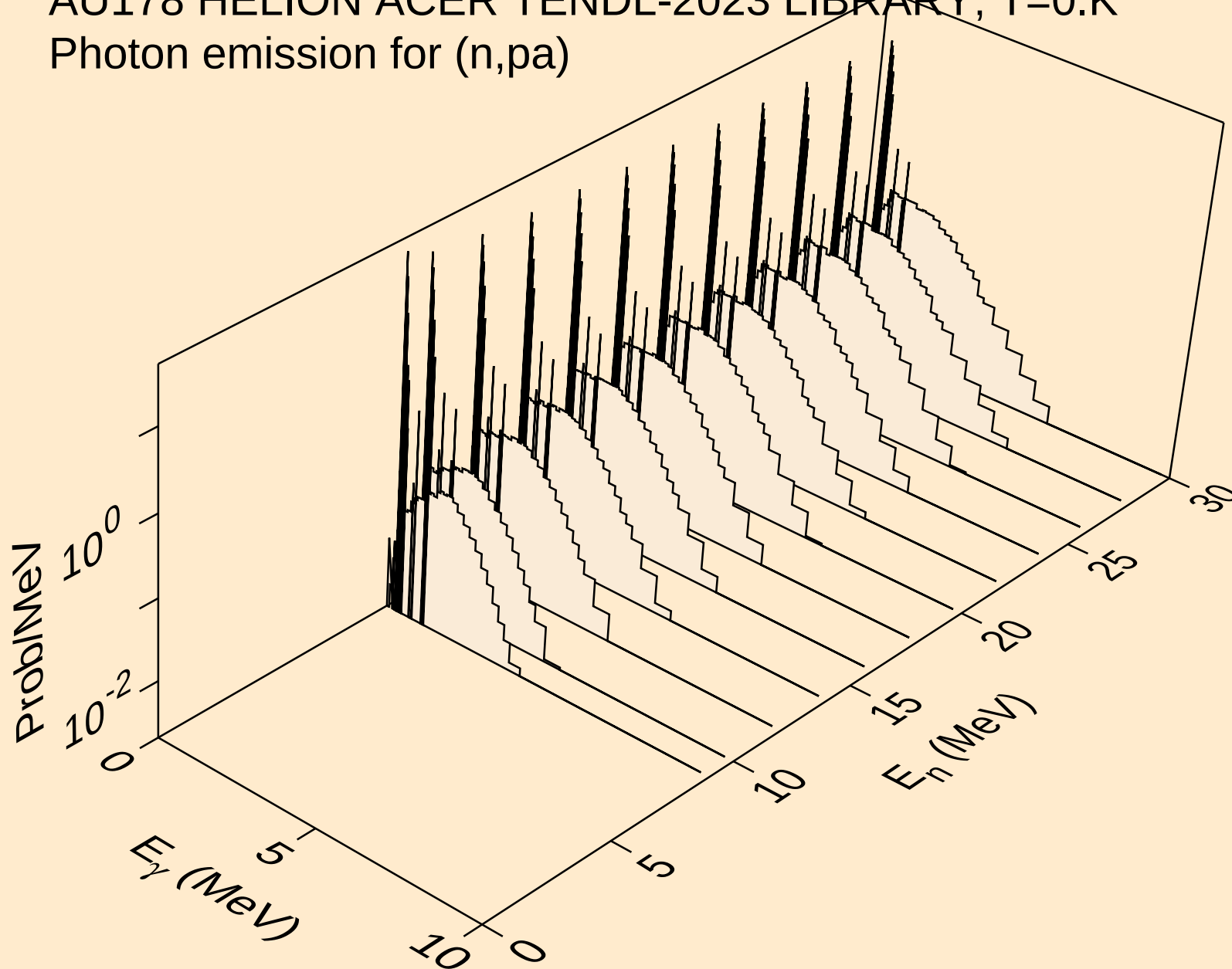
Photon emission for (n,3a)



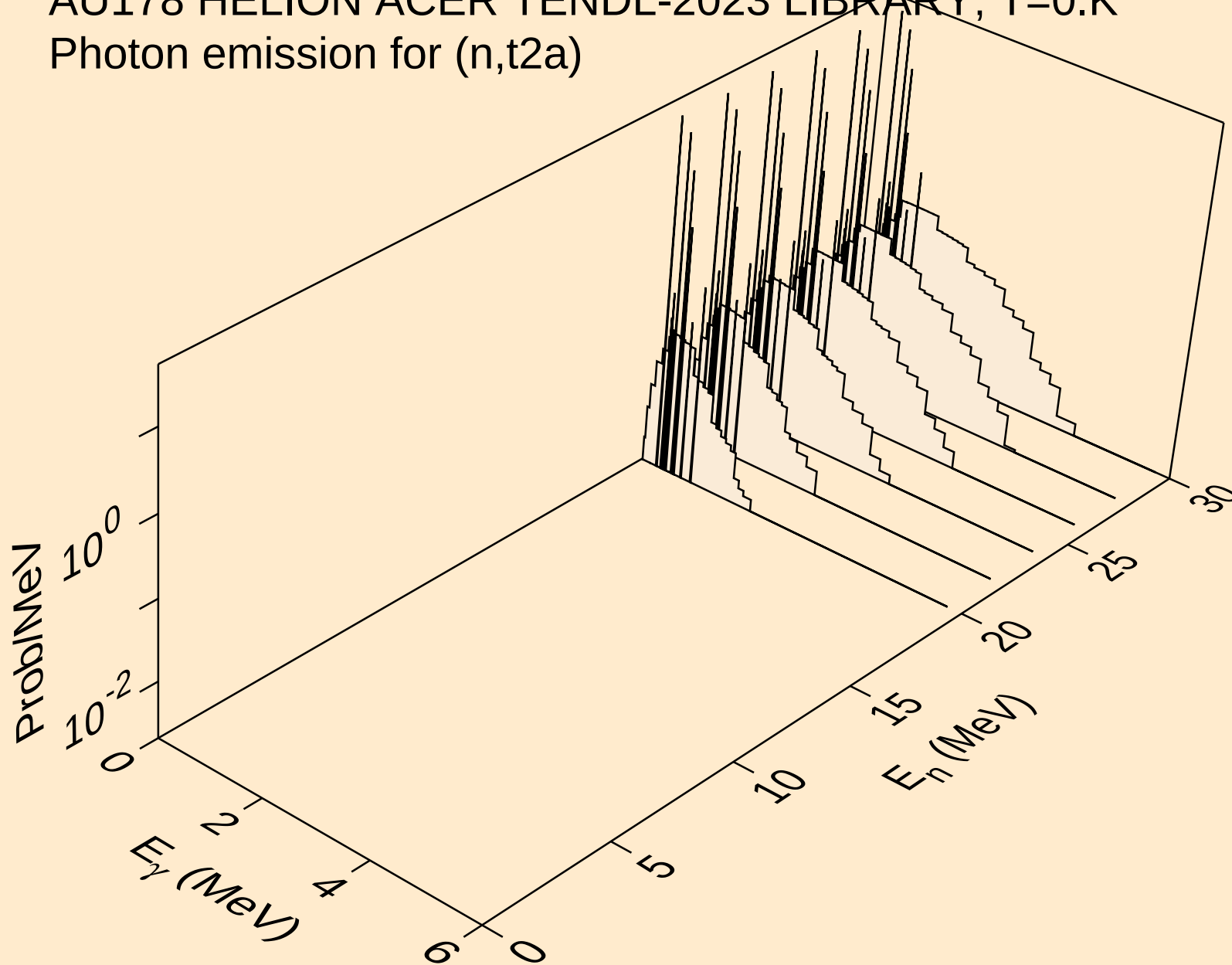
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



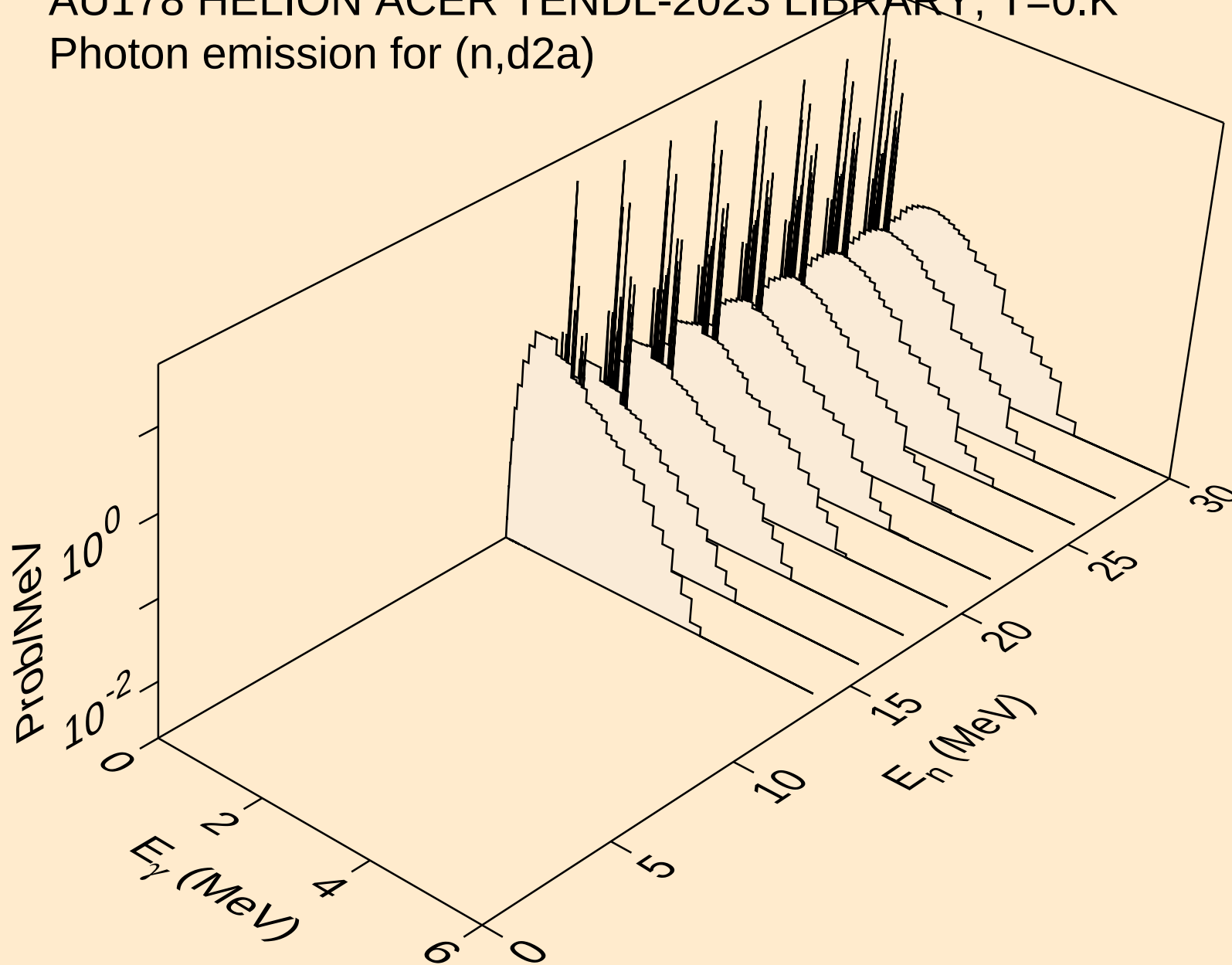
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



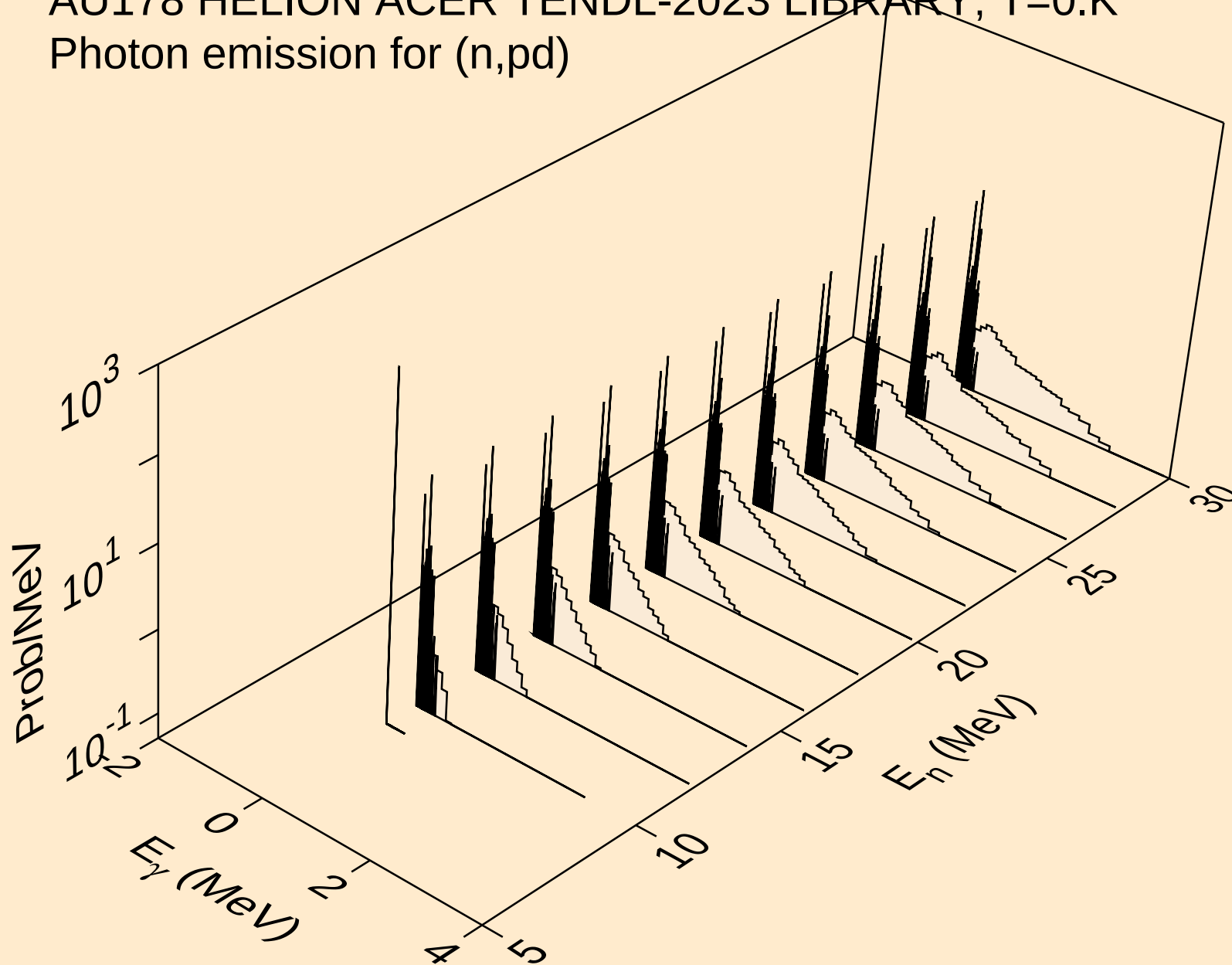
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)

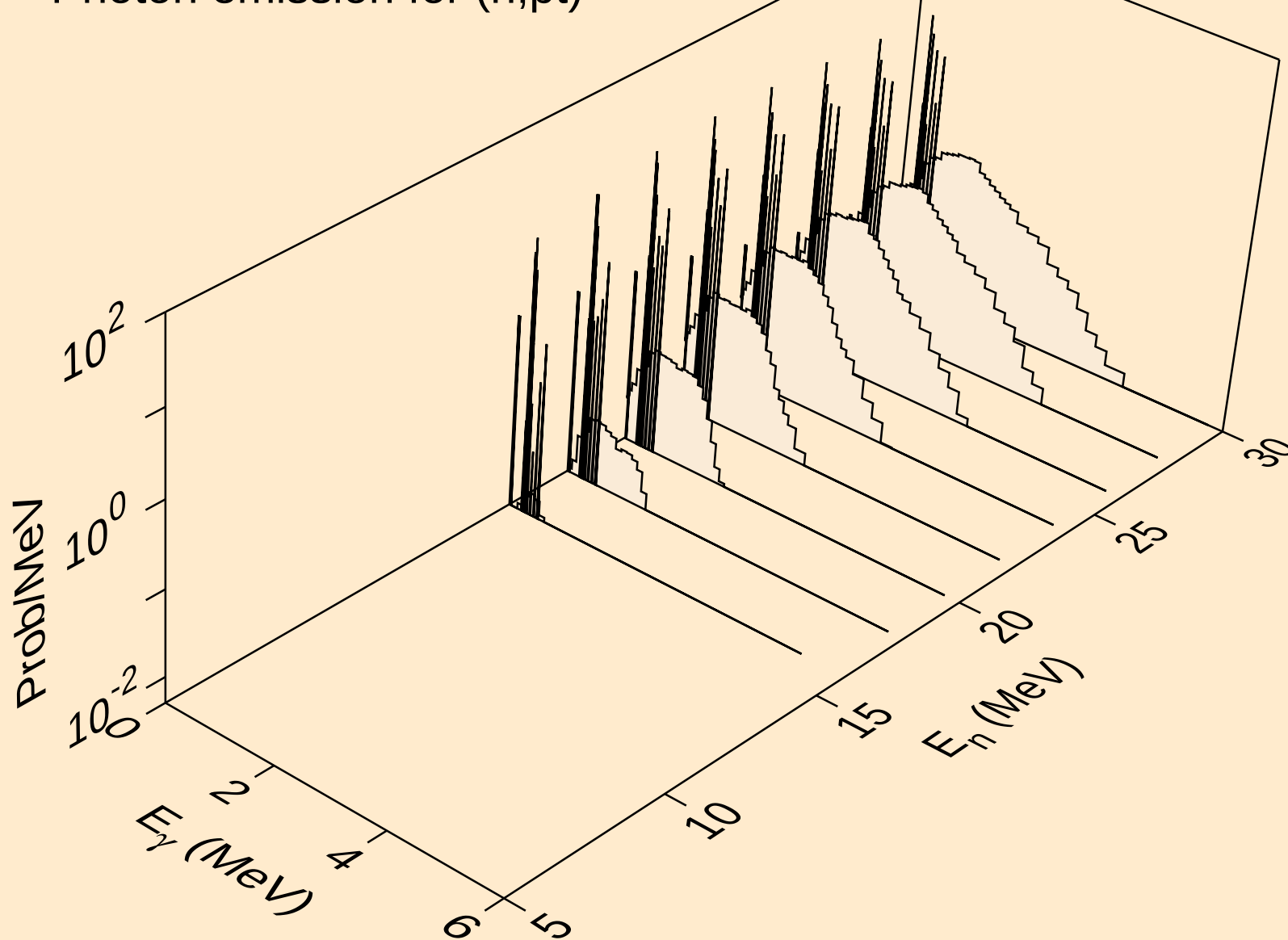


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

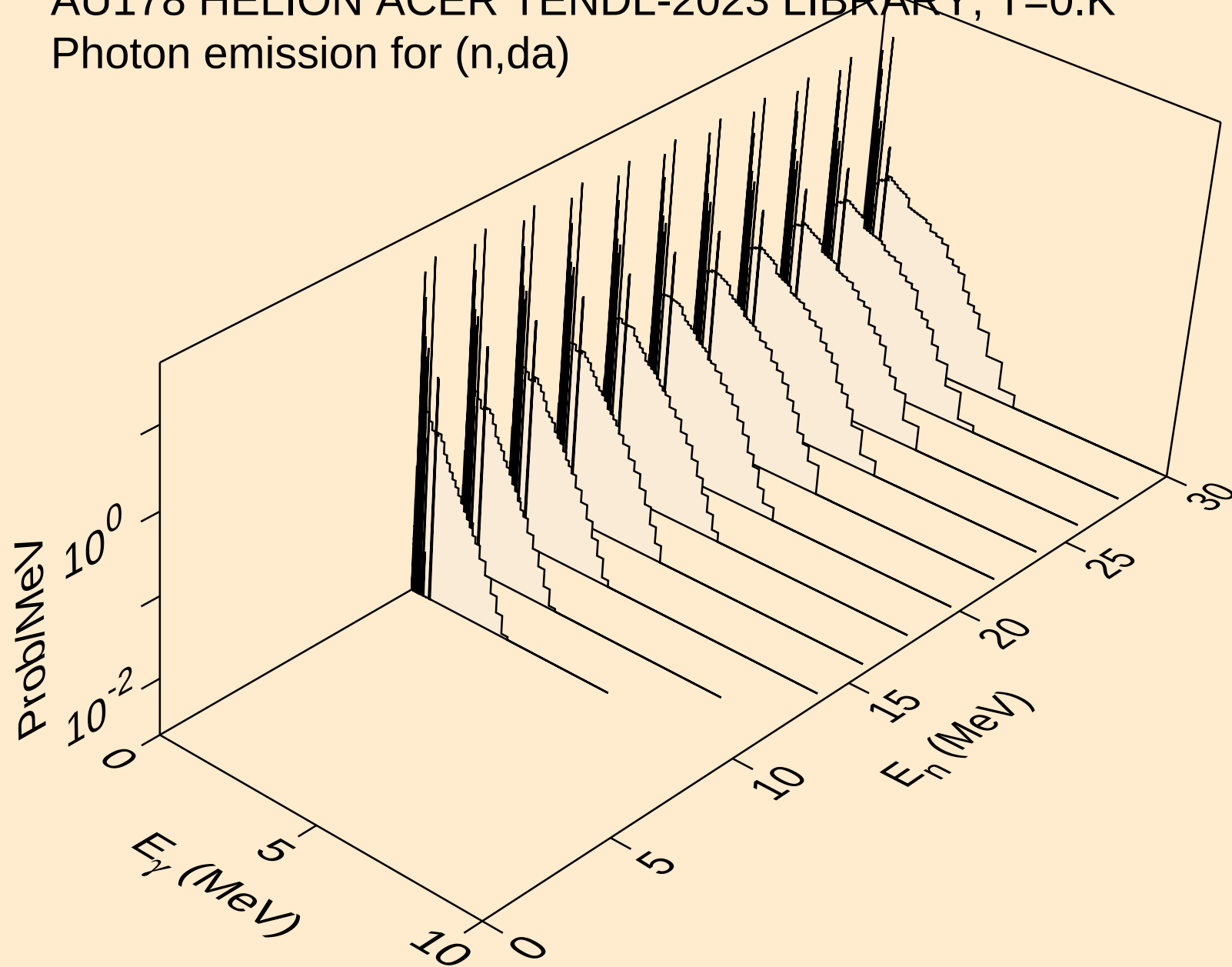


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

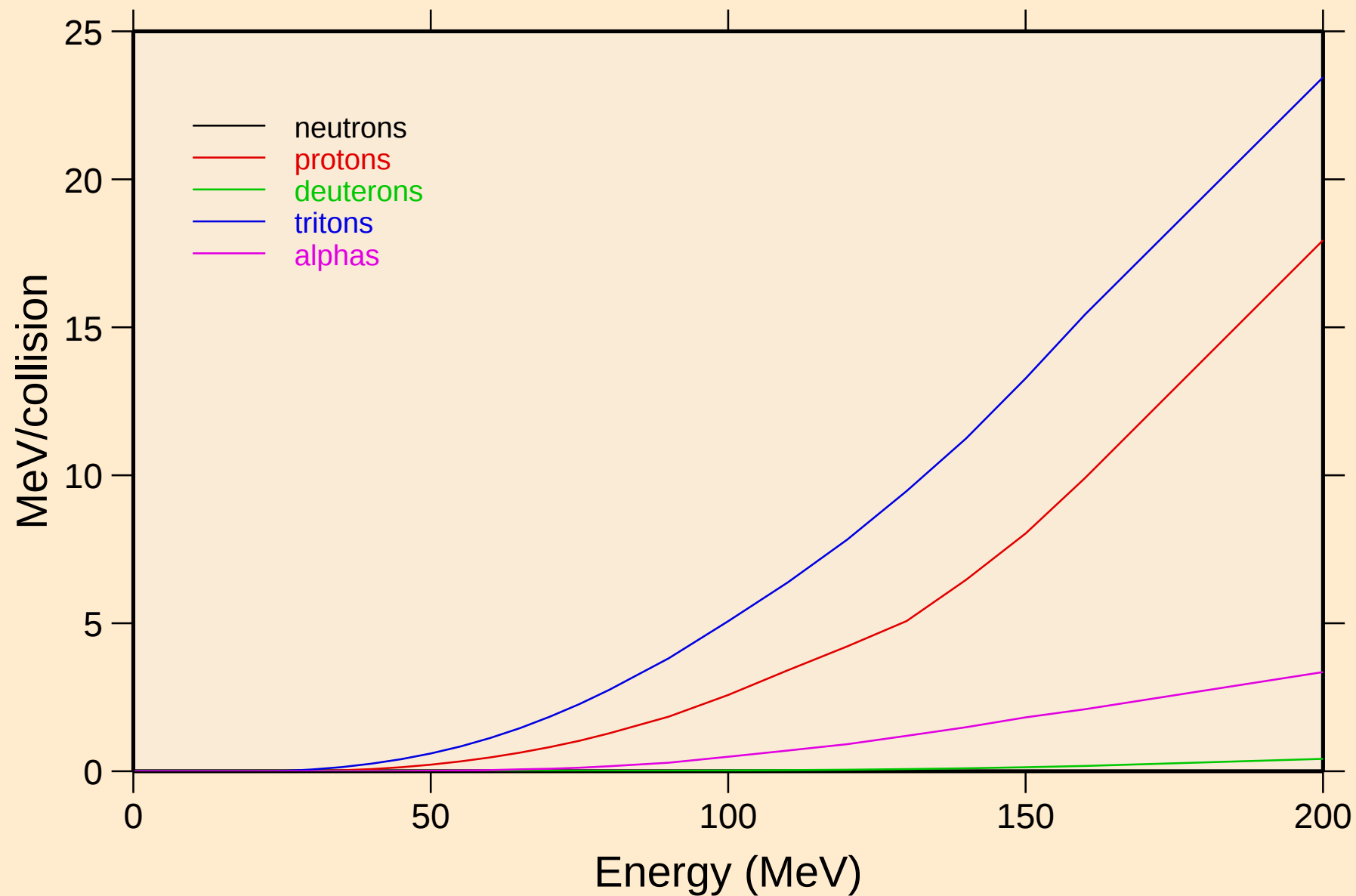


AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



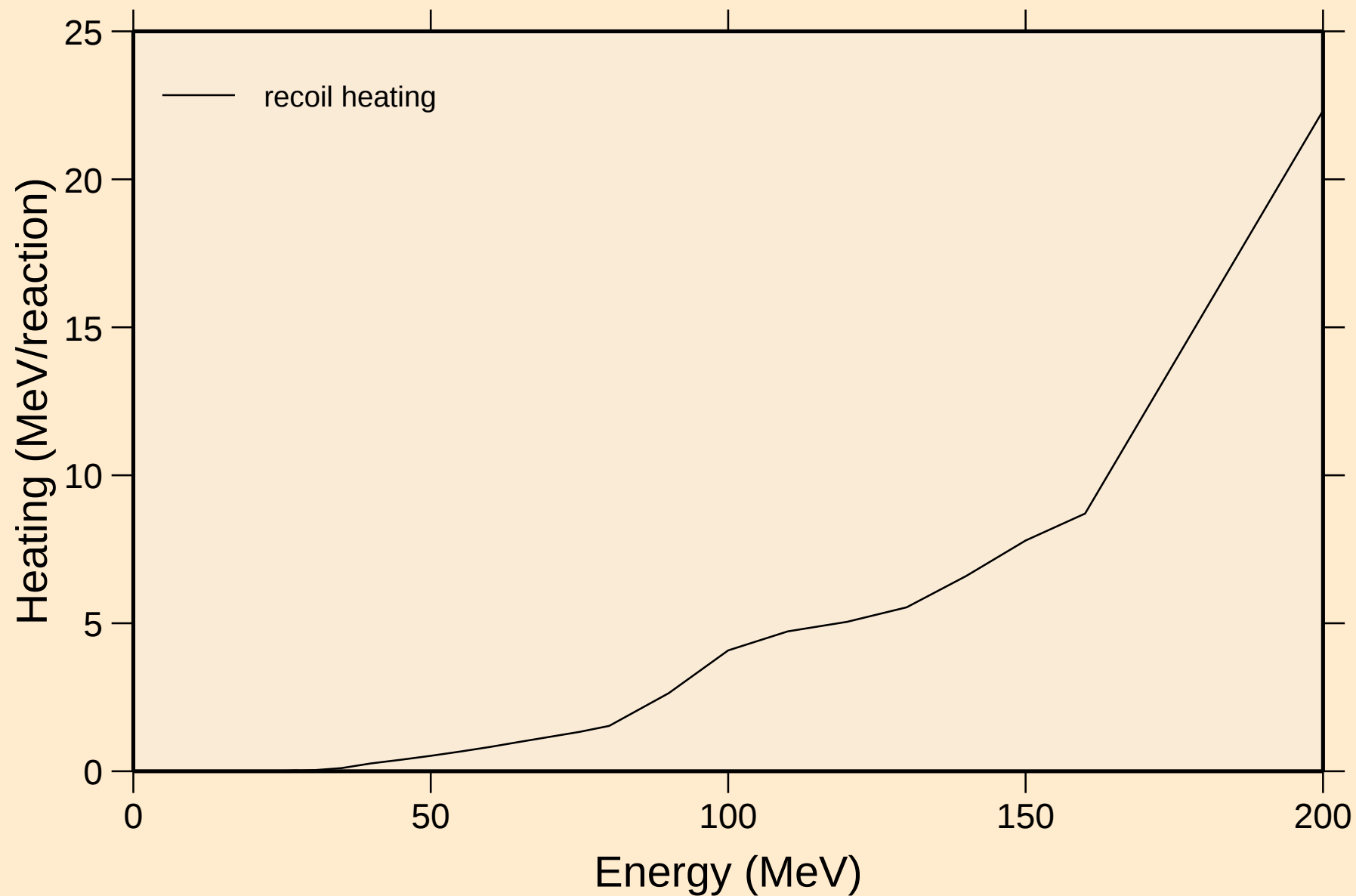
# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



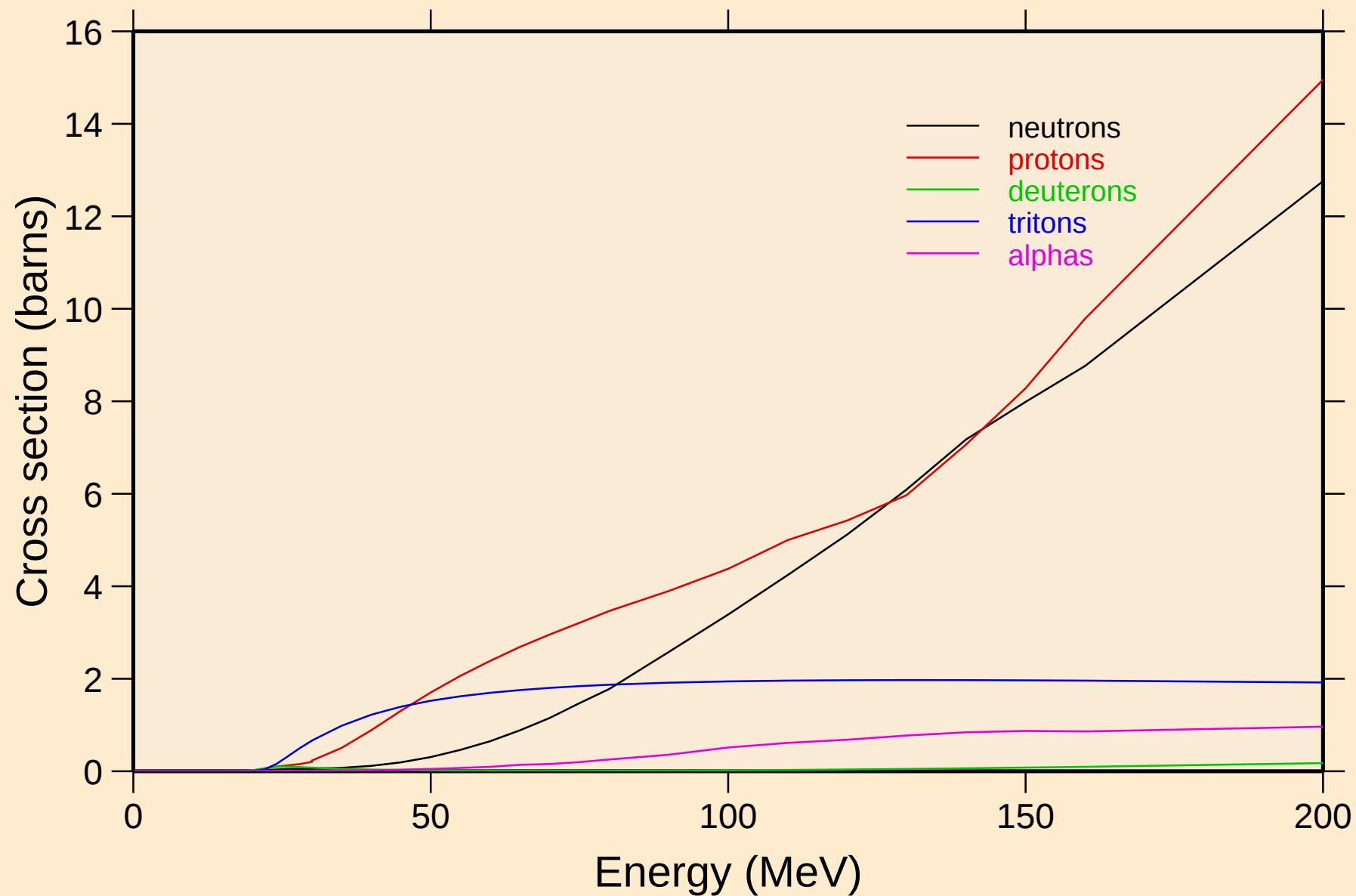
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

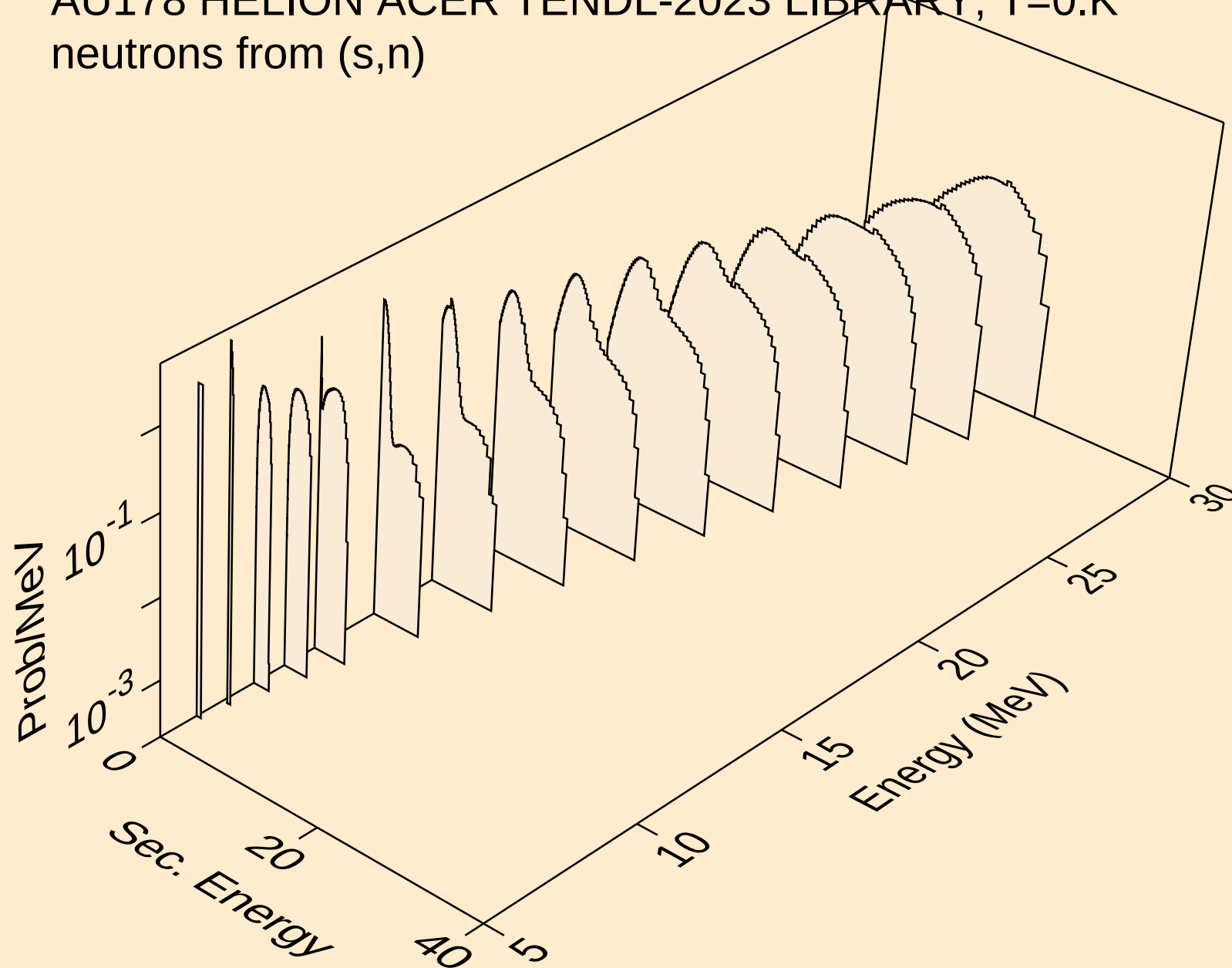


# AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K

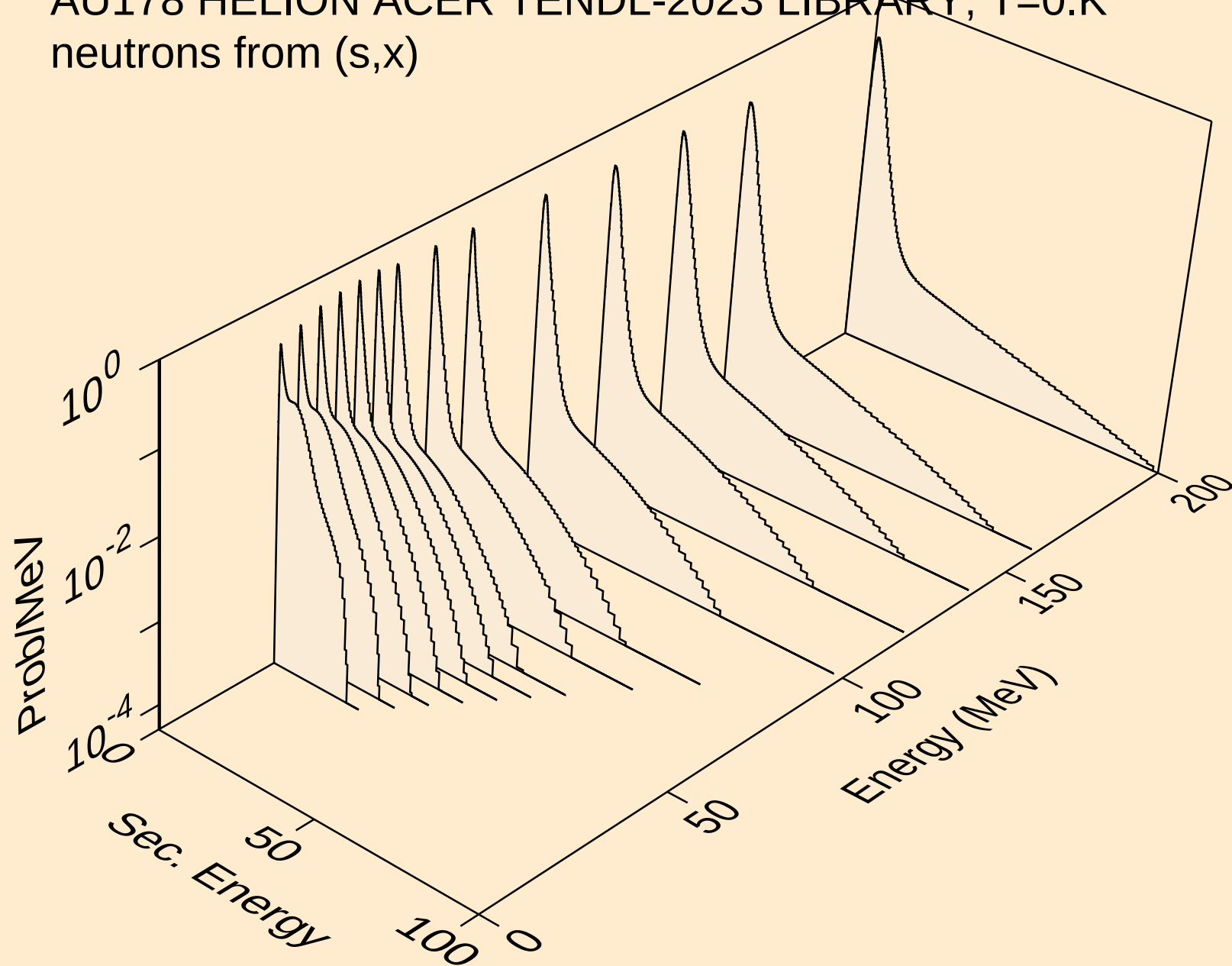
## Particle production cross sections



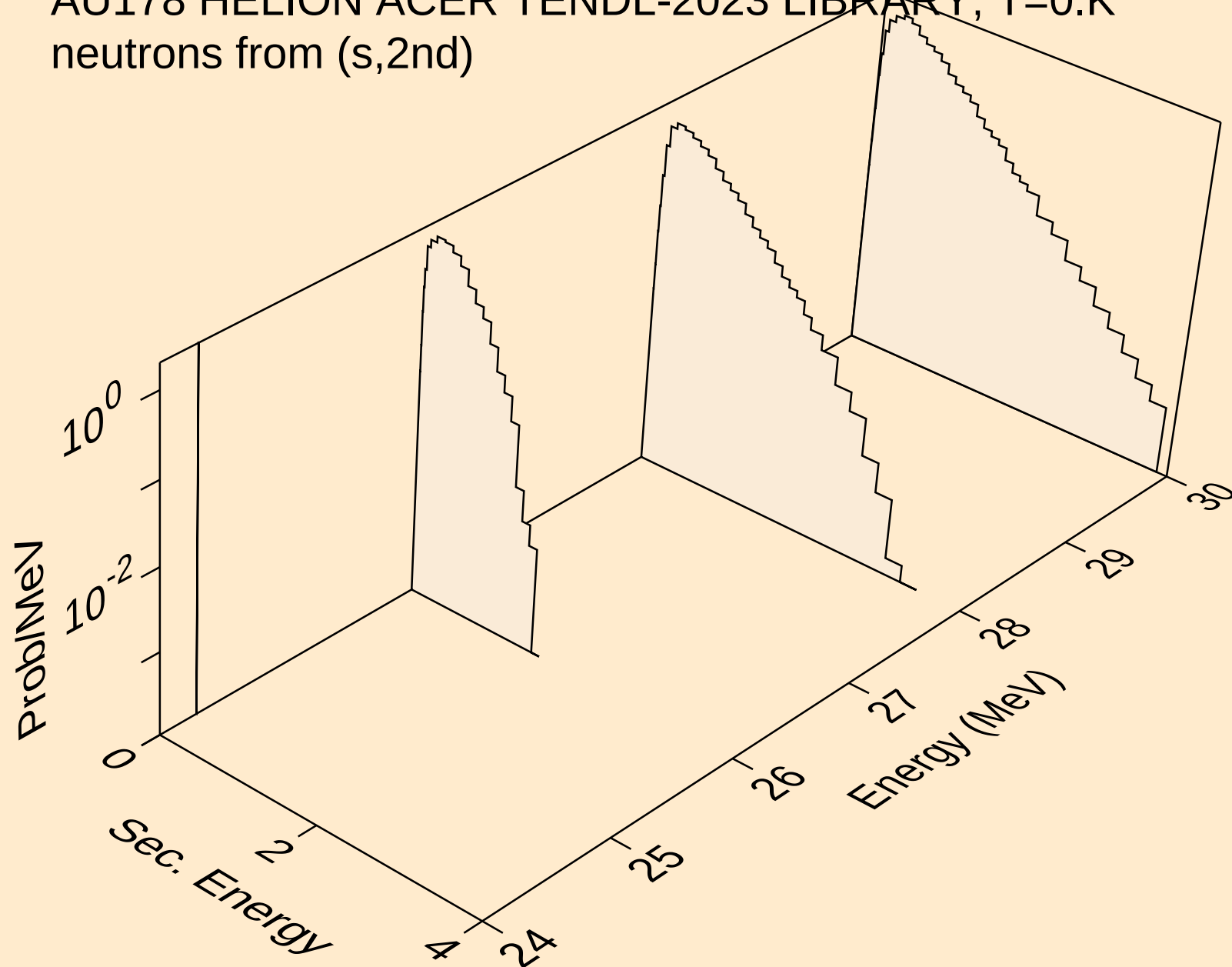
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



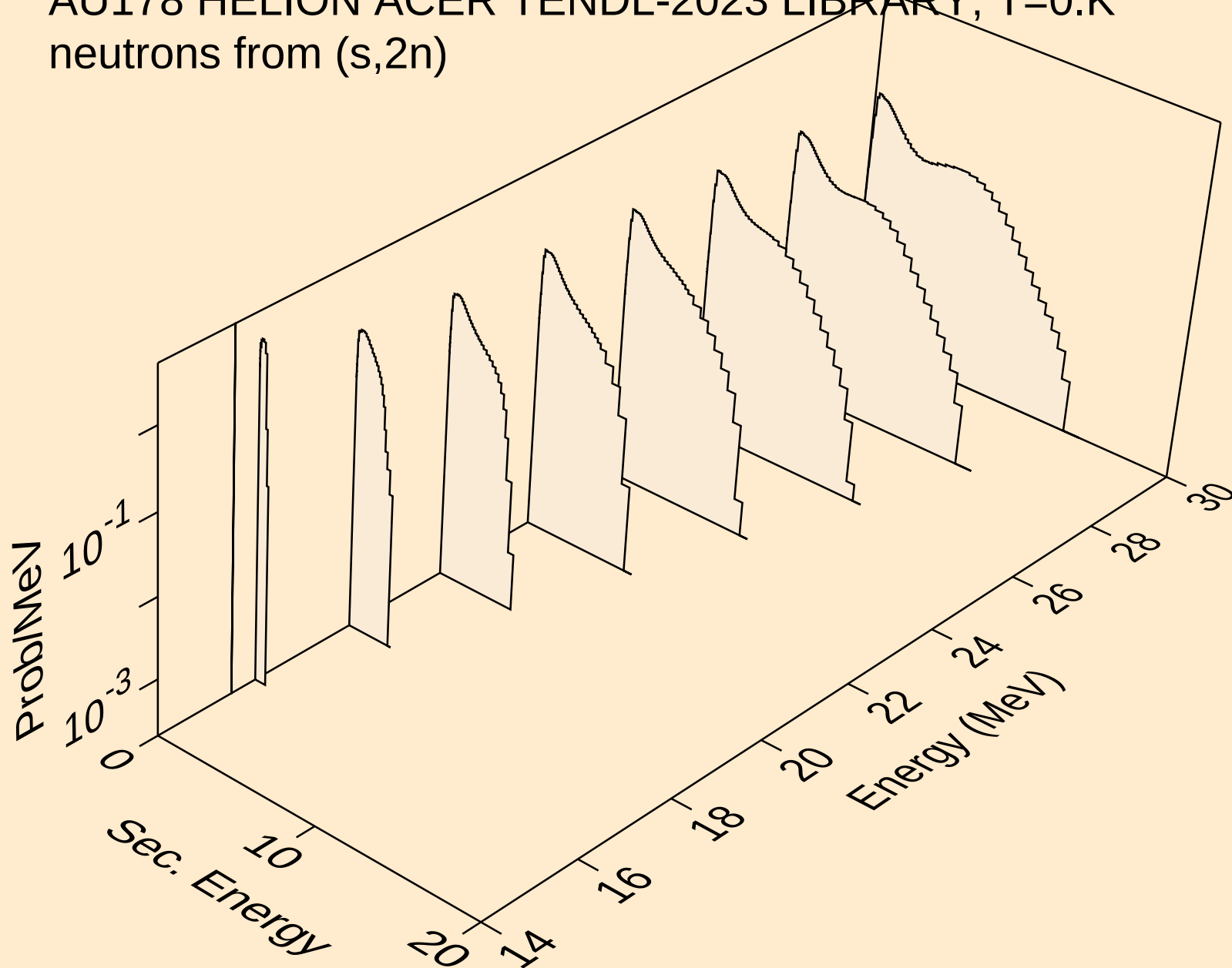
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



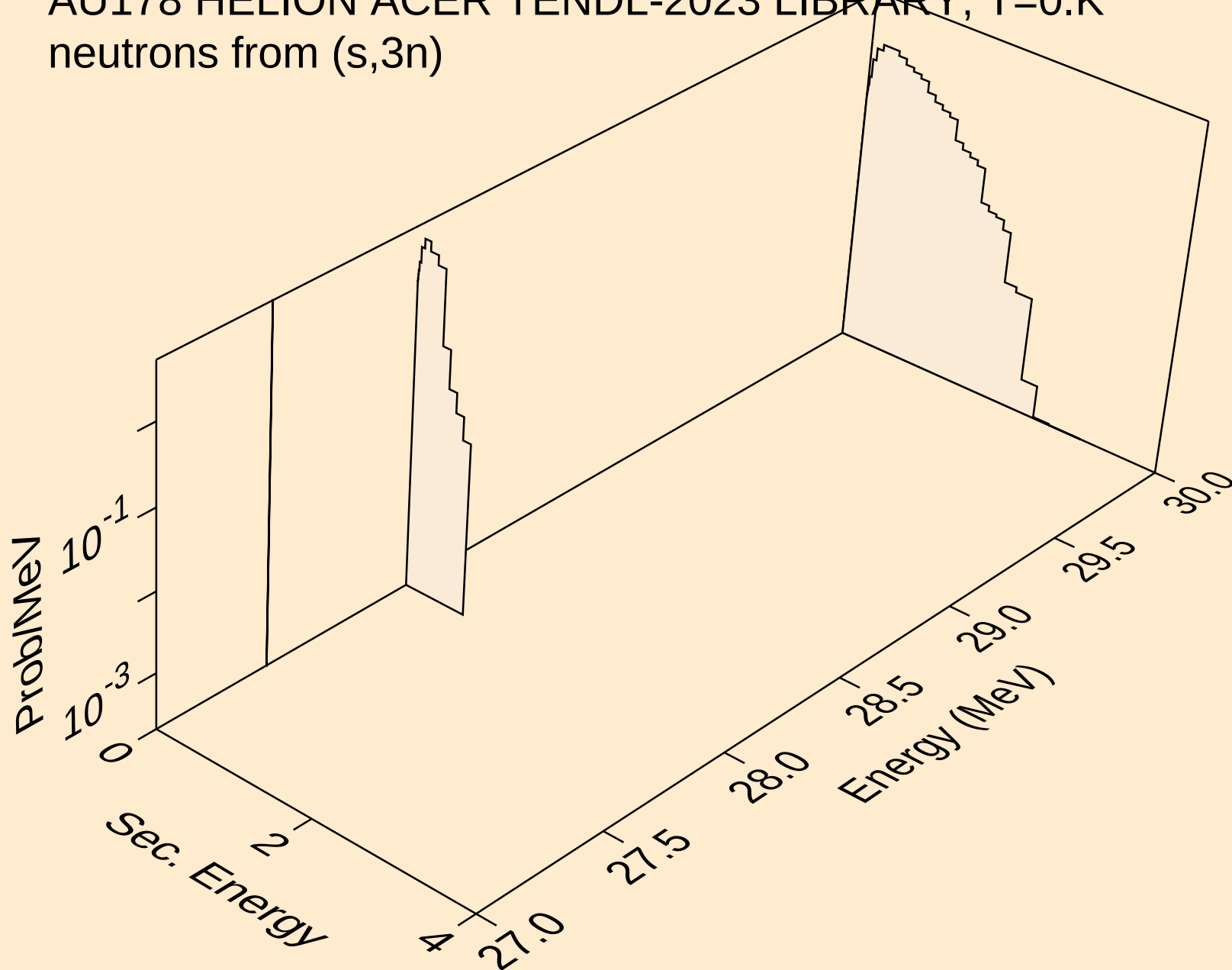
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



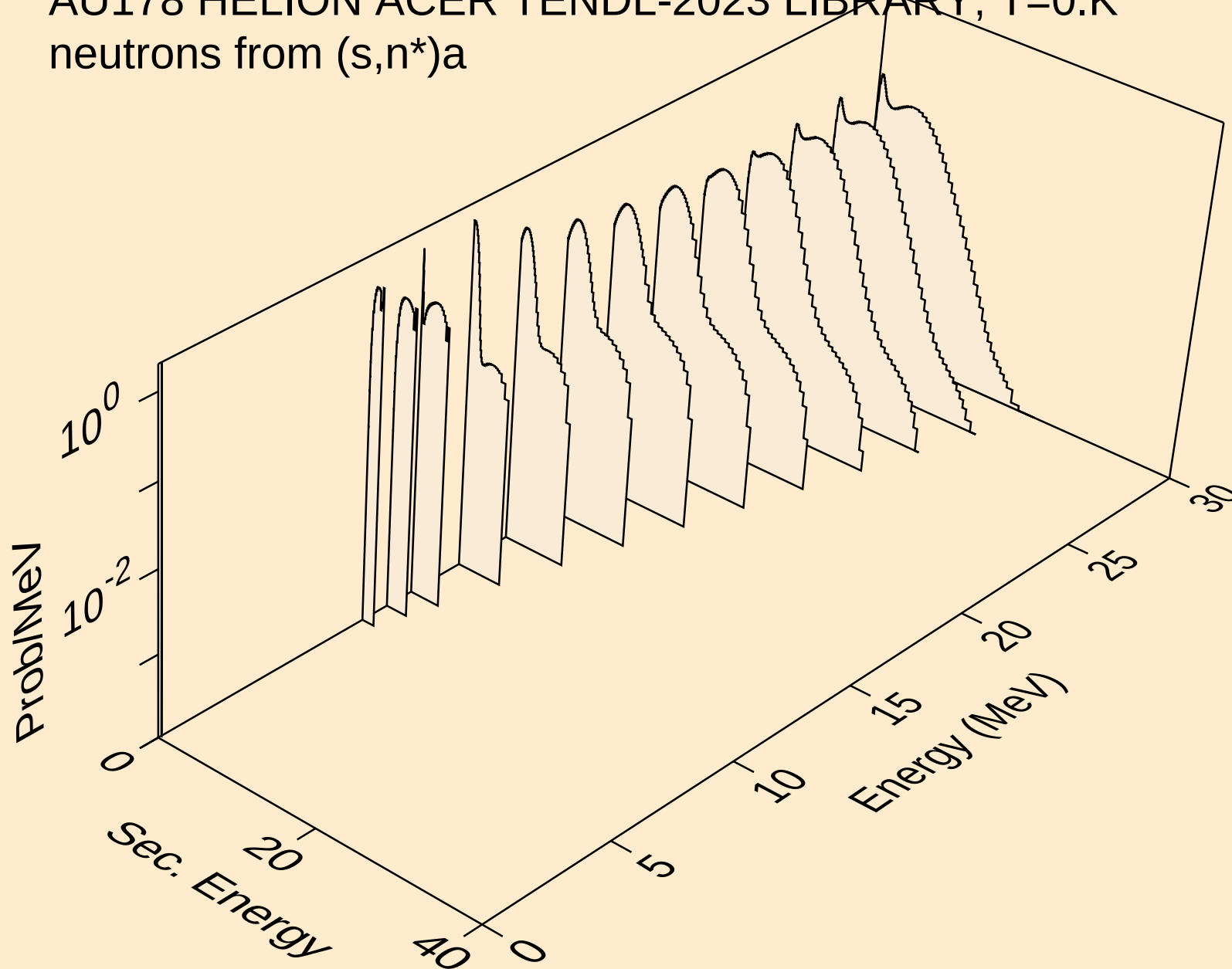
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



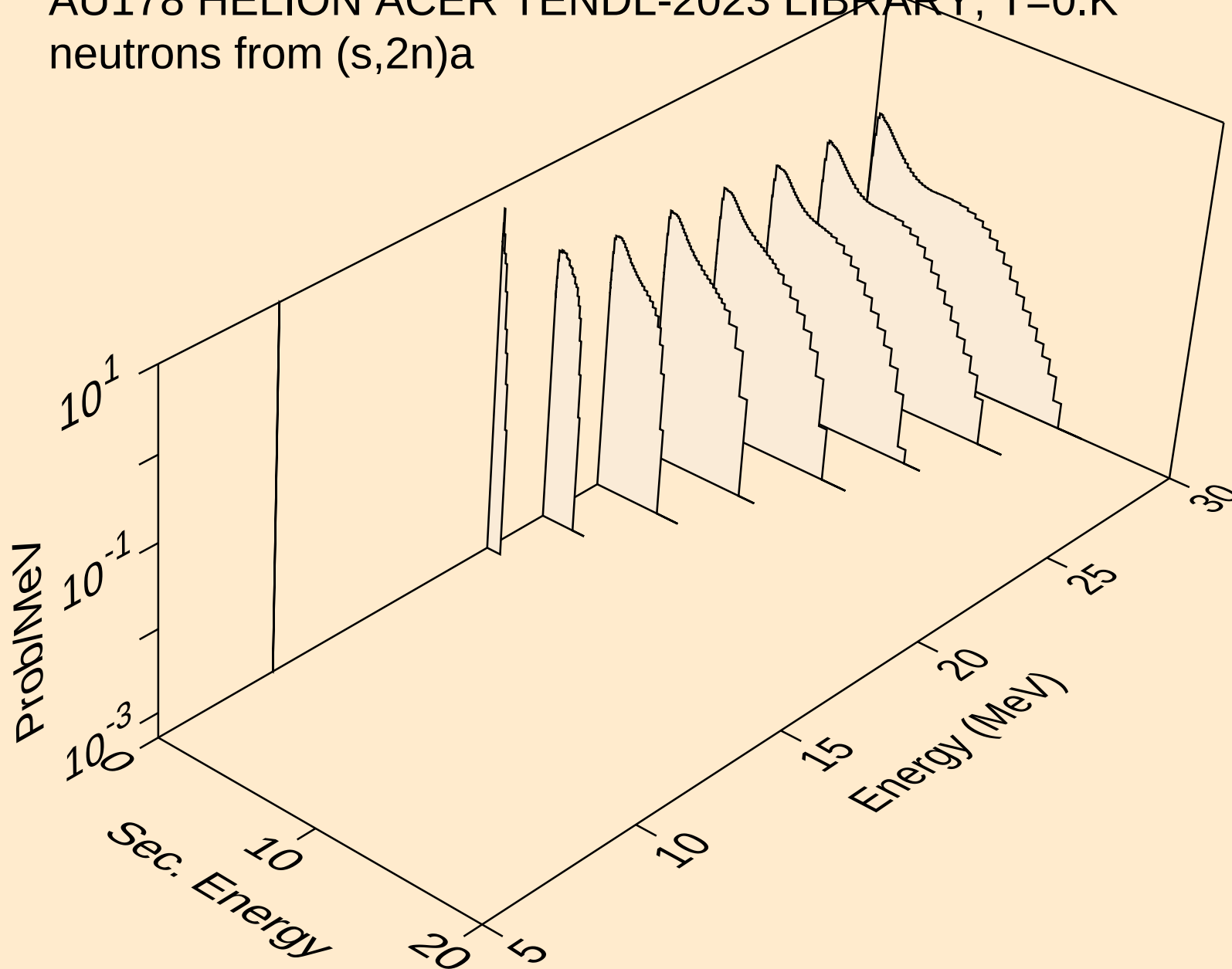
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



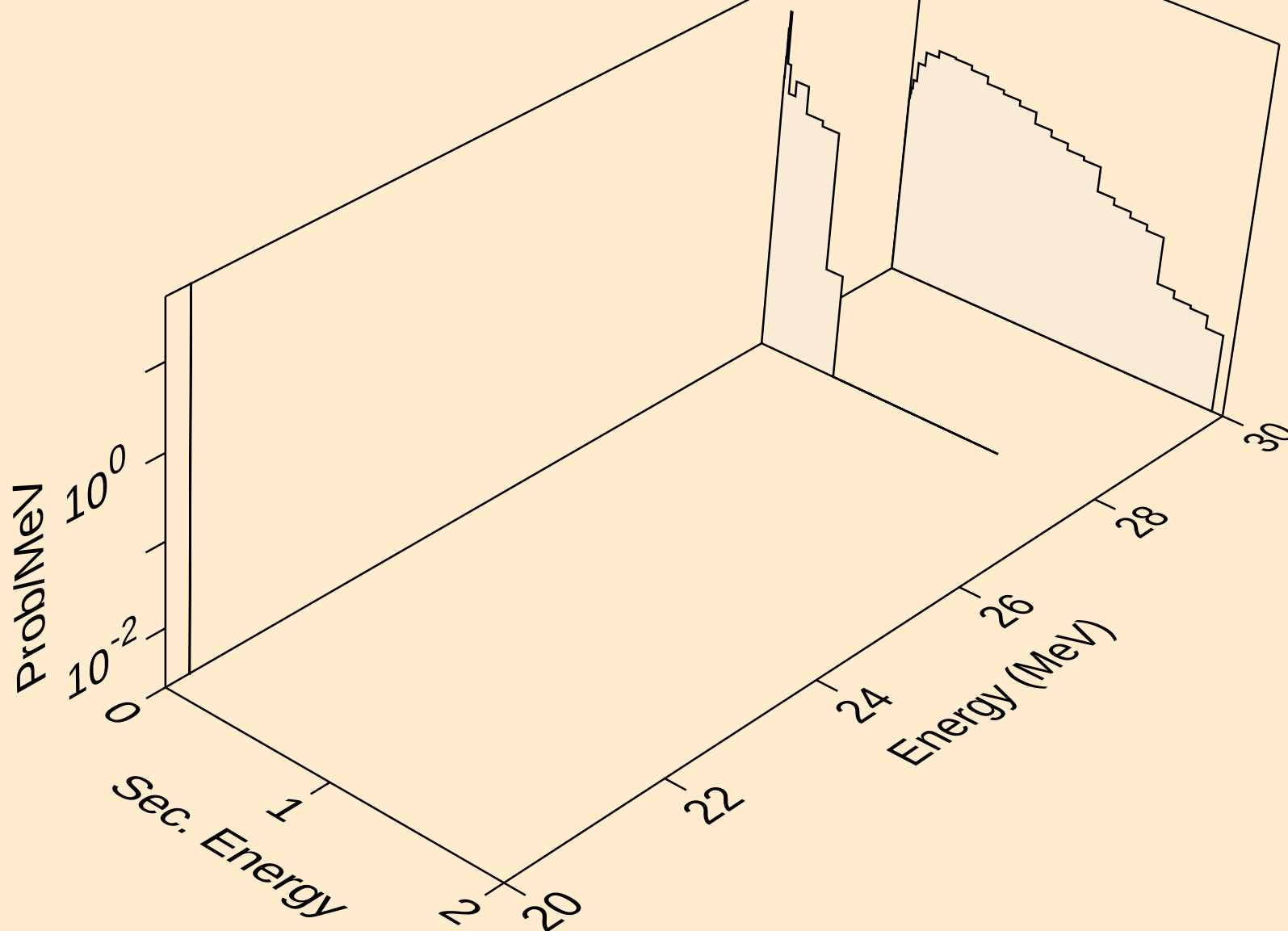
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



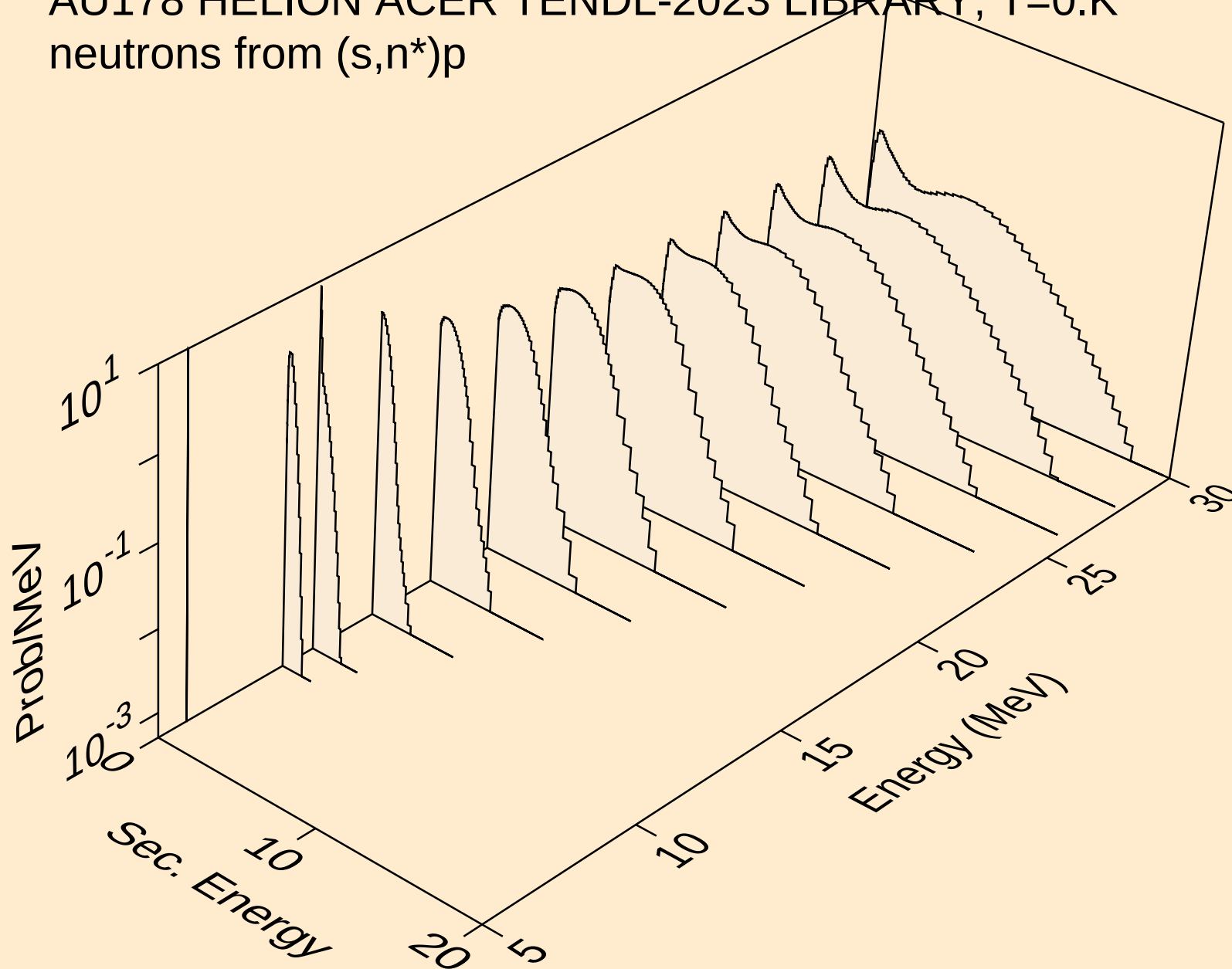
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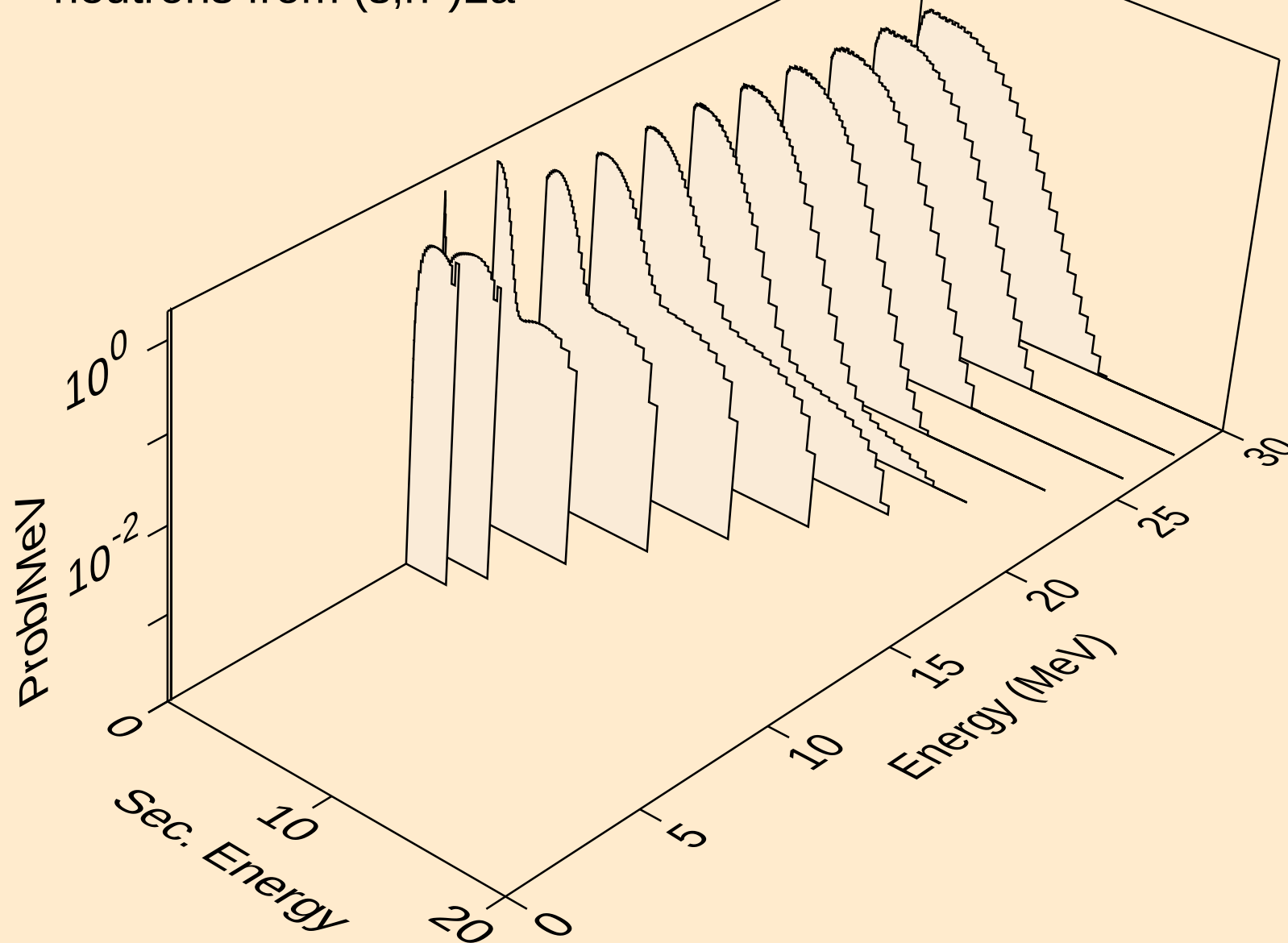
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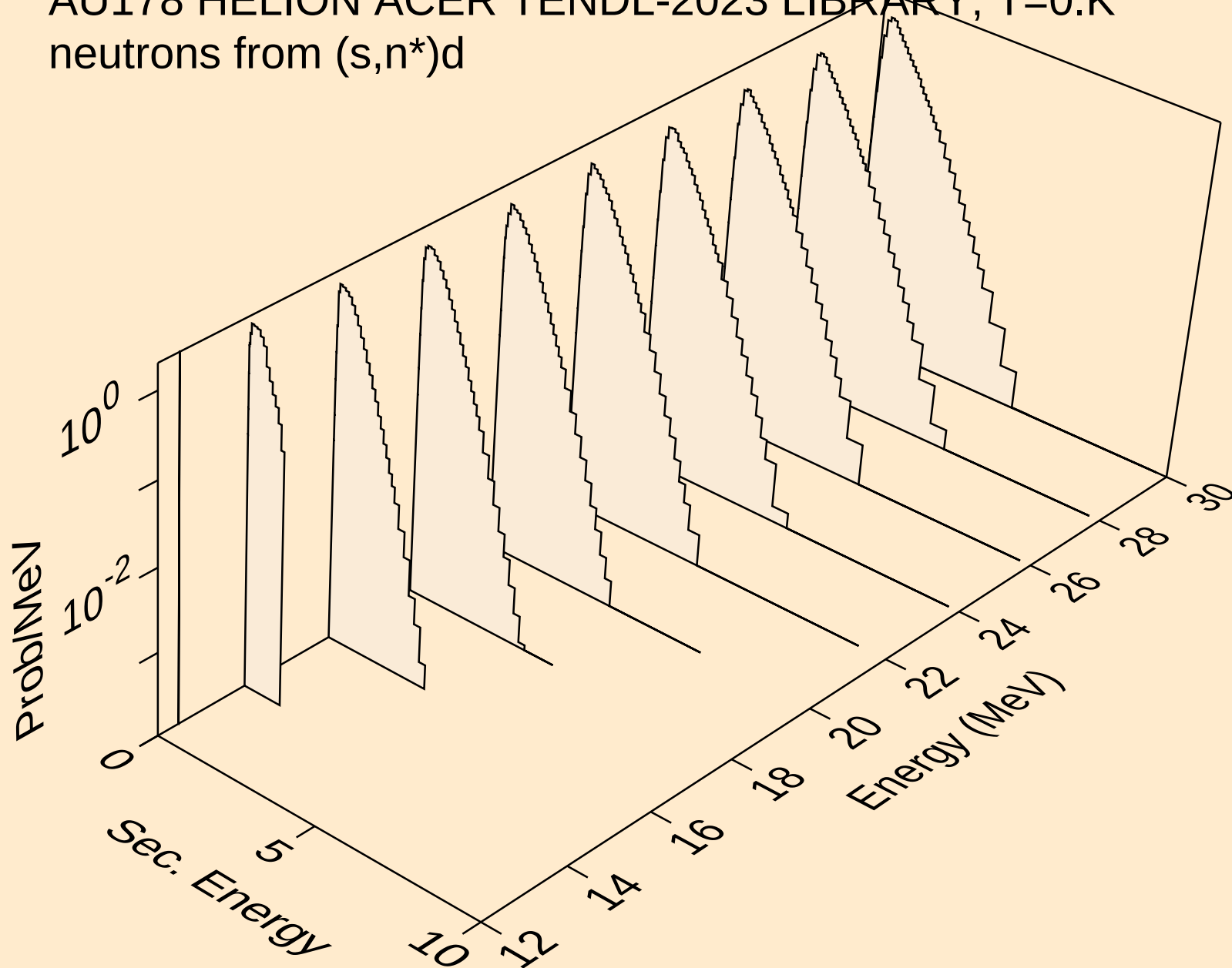
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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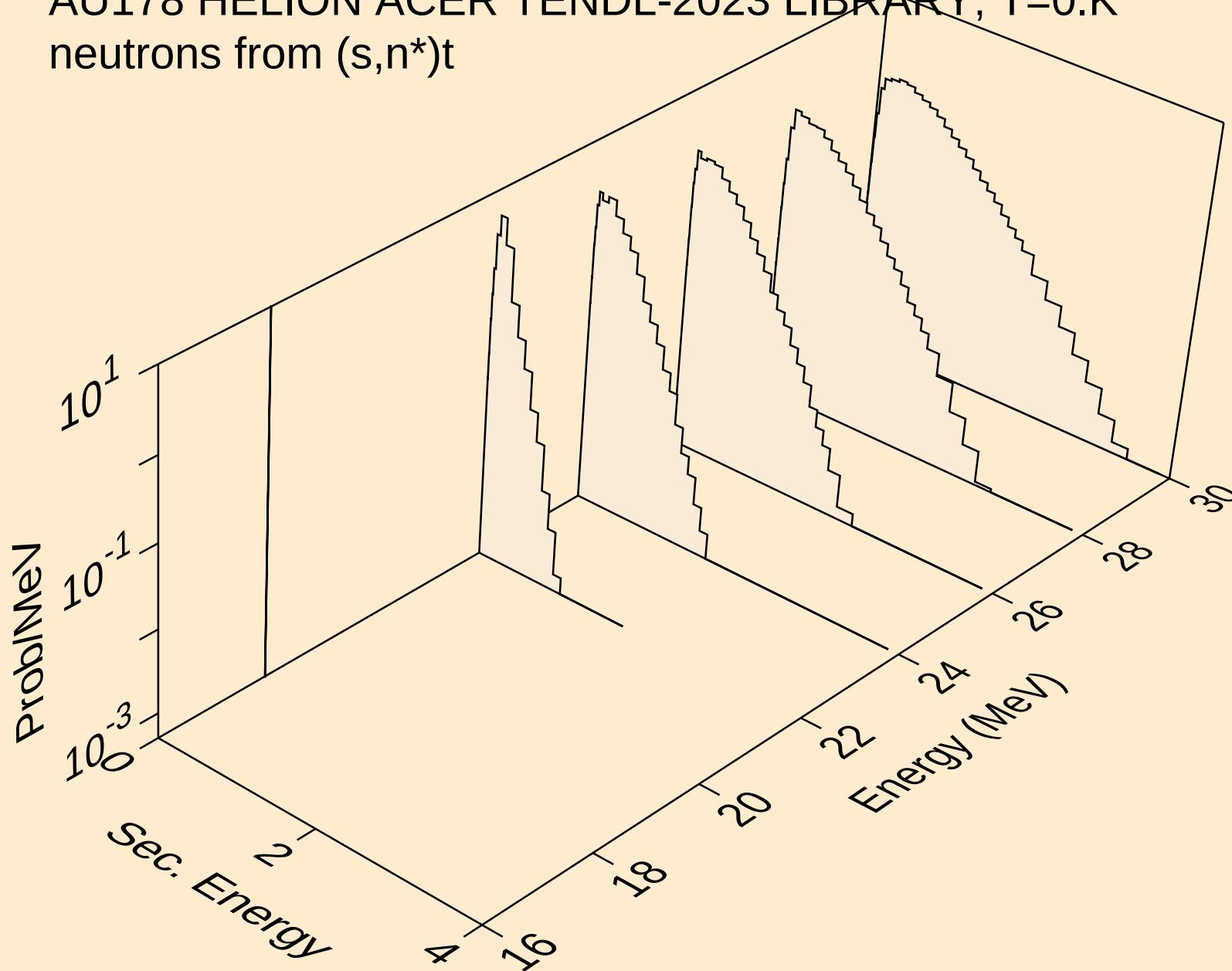
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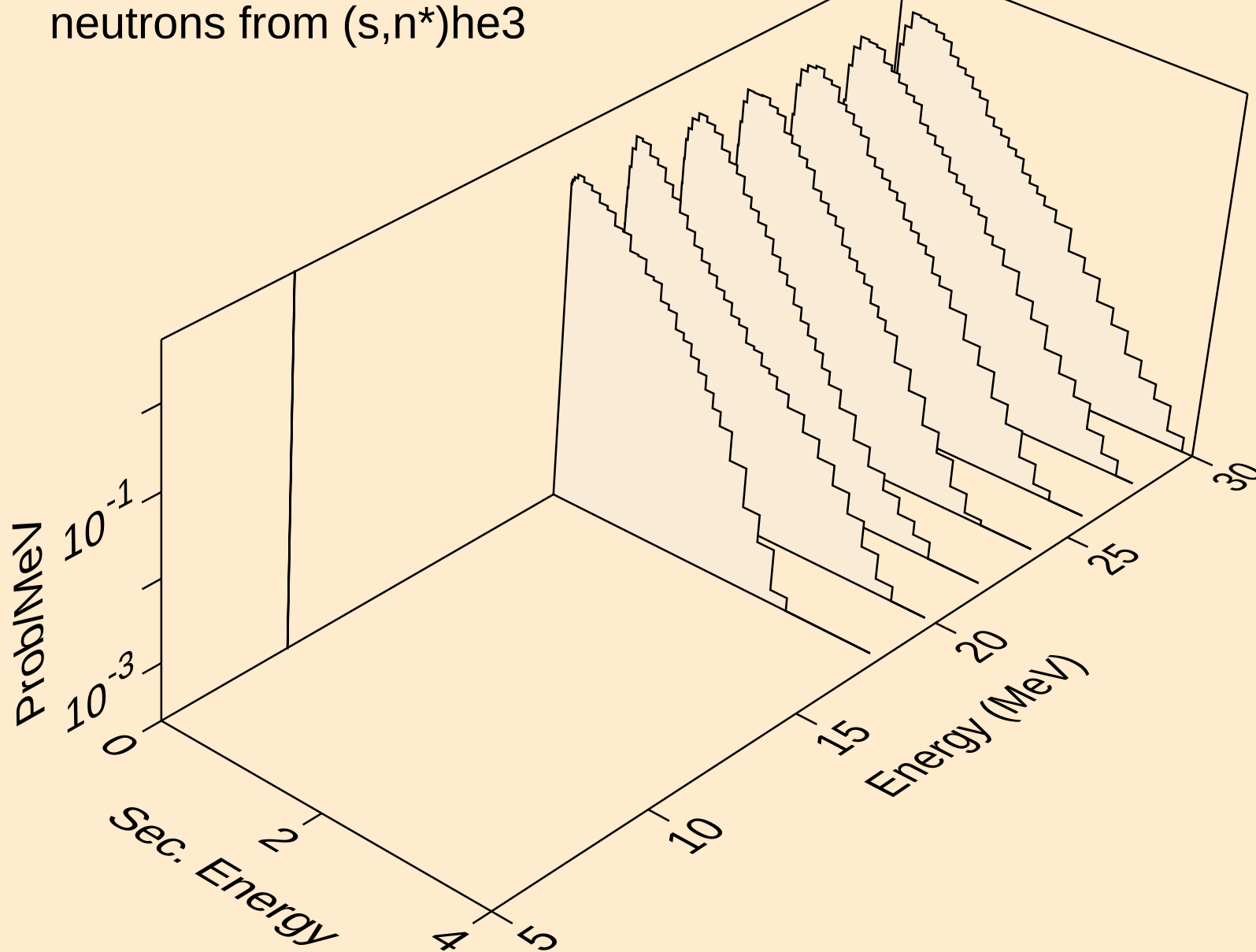
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neutrons from (s,n\*)d



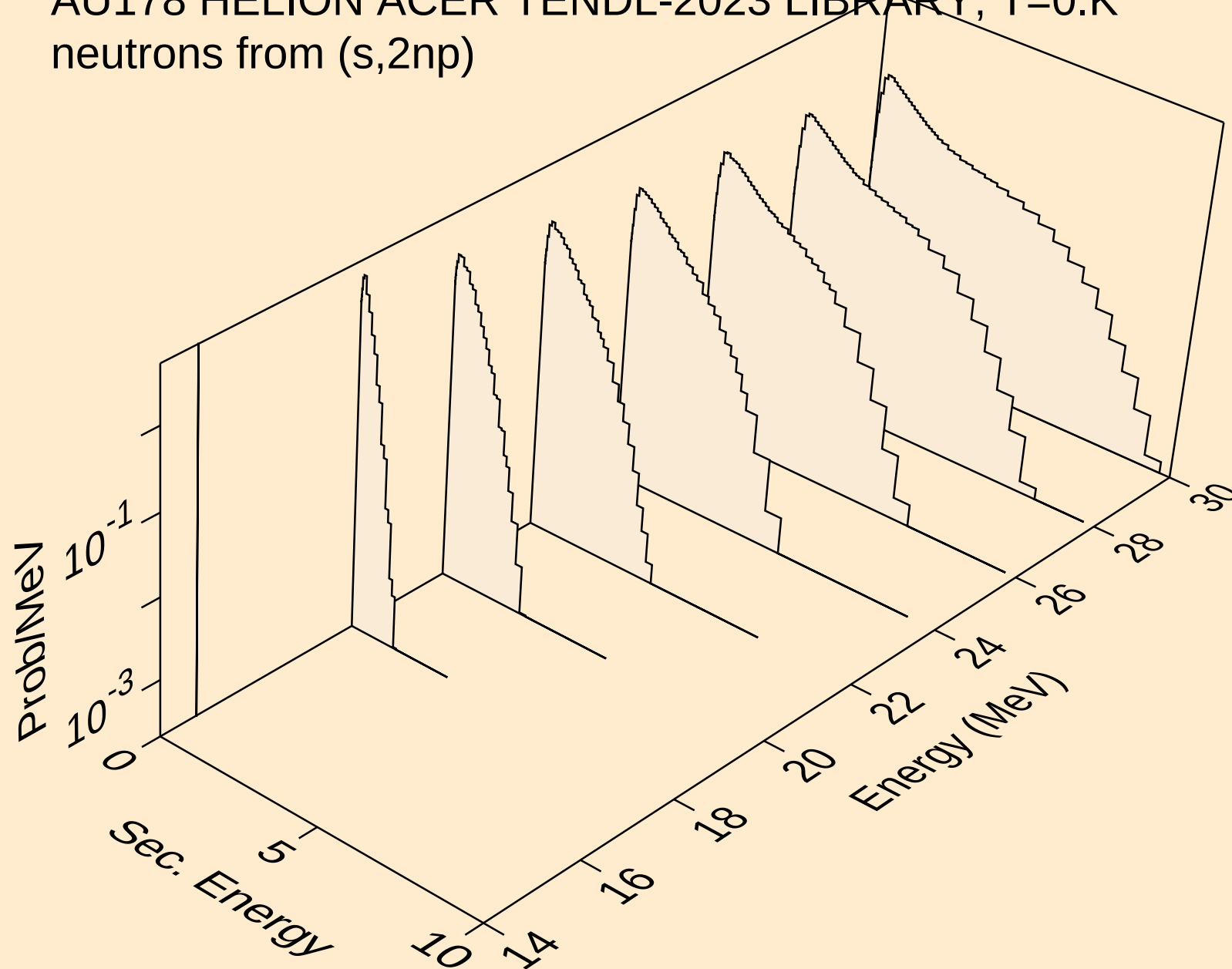
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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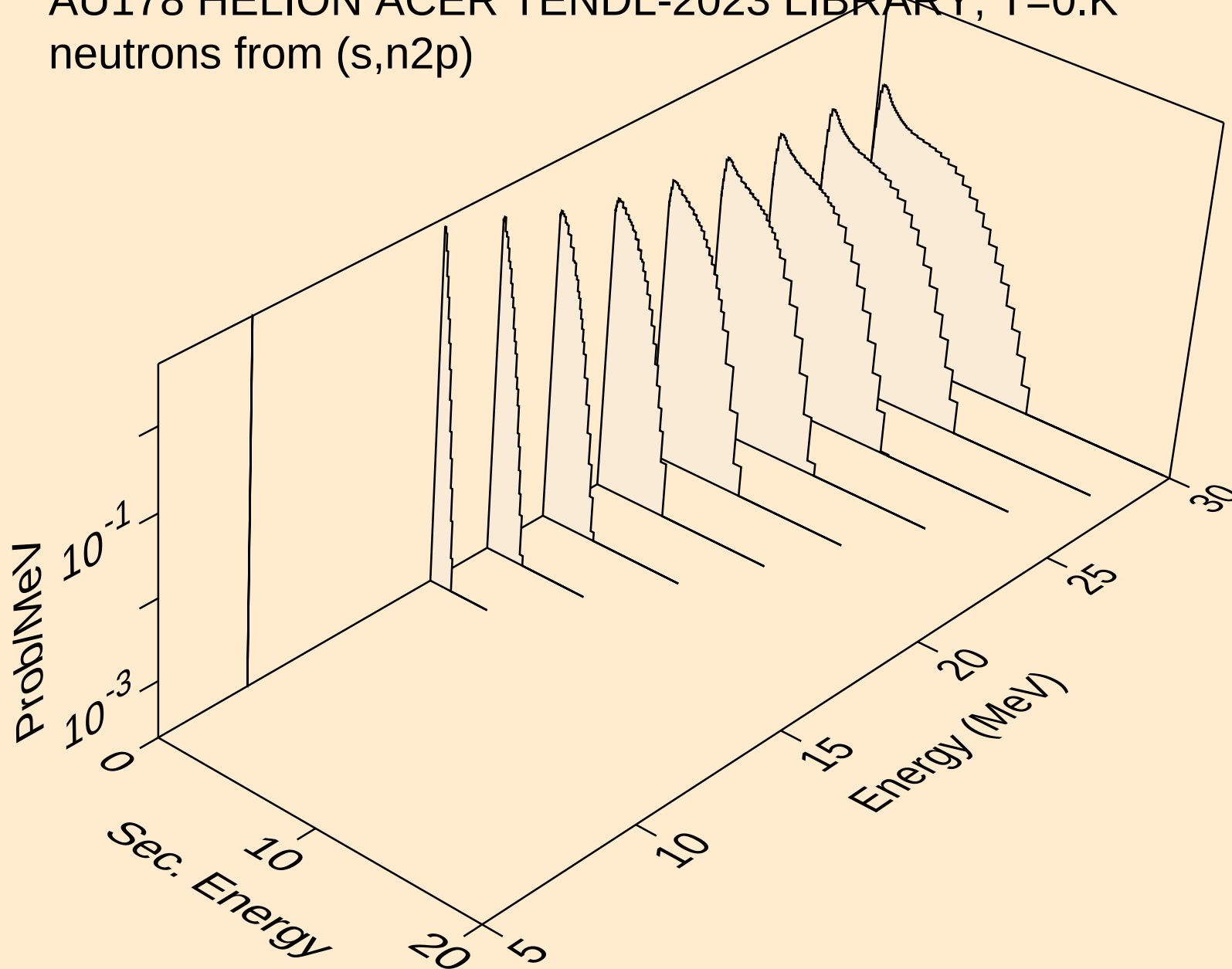
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



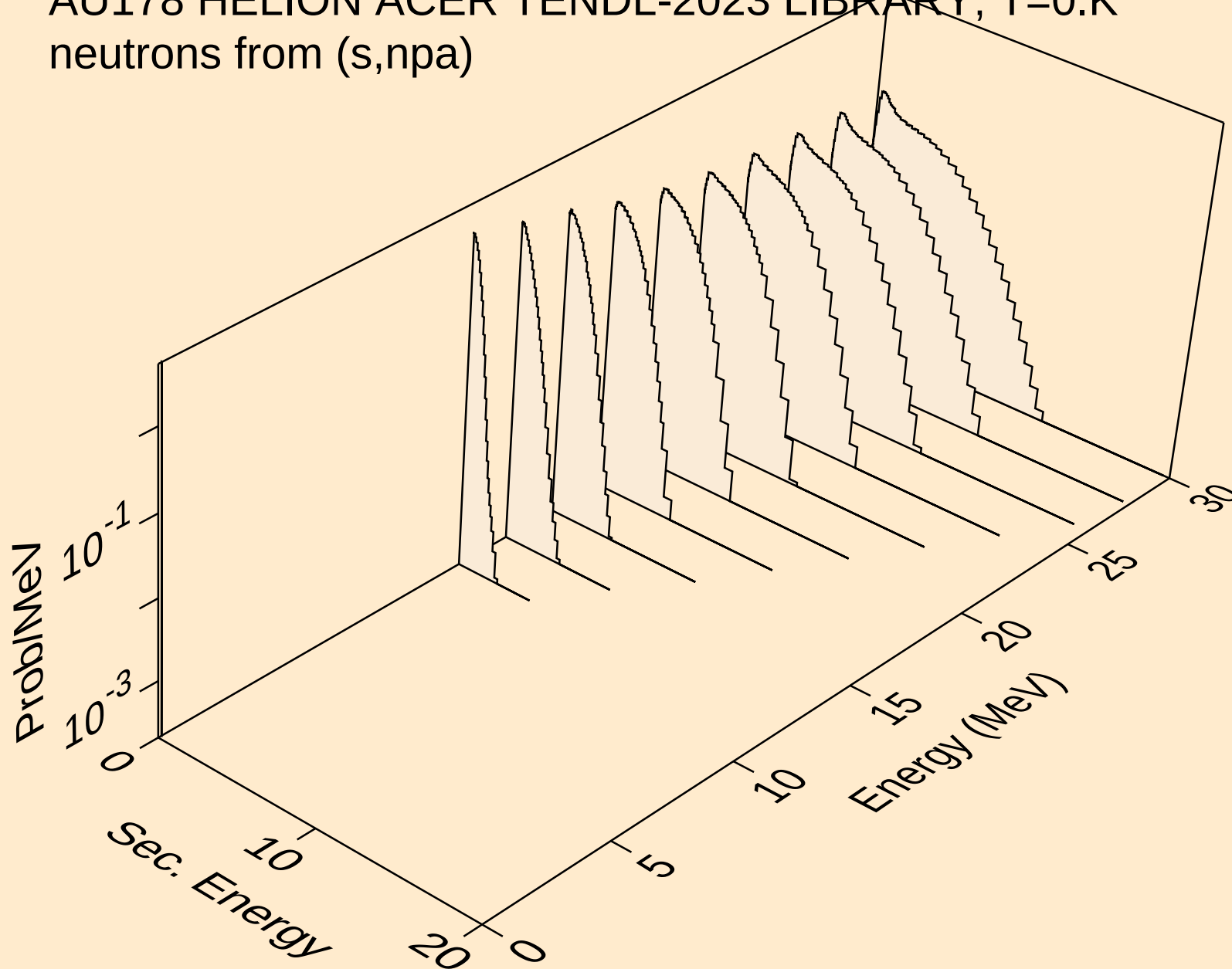
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neutrons from (s,2np)



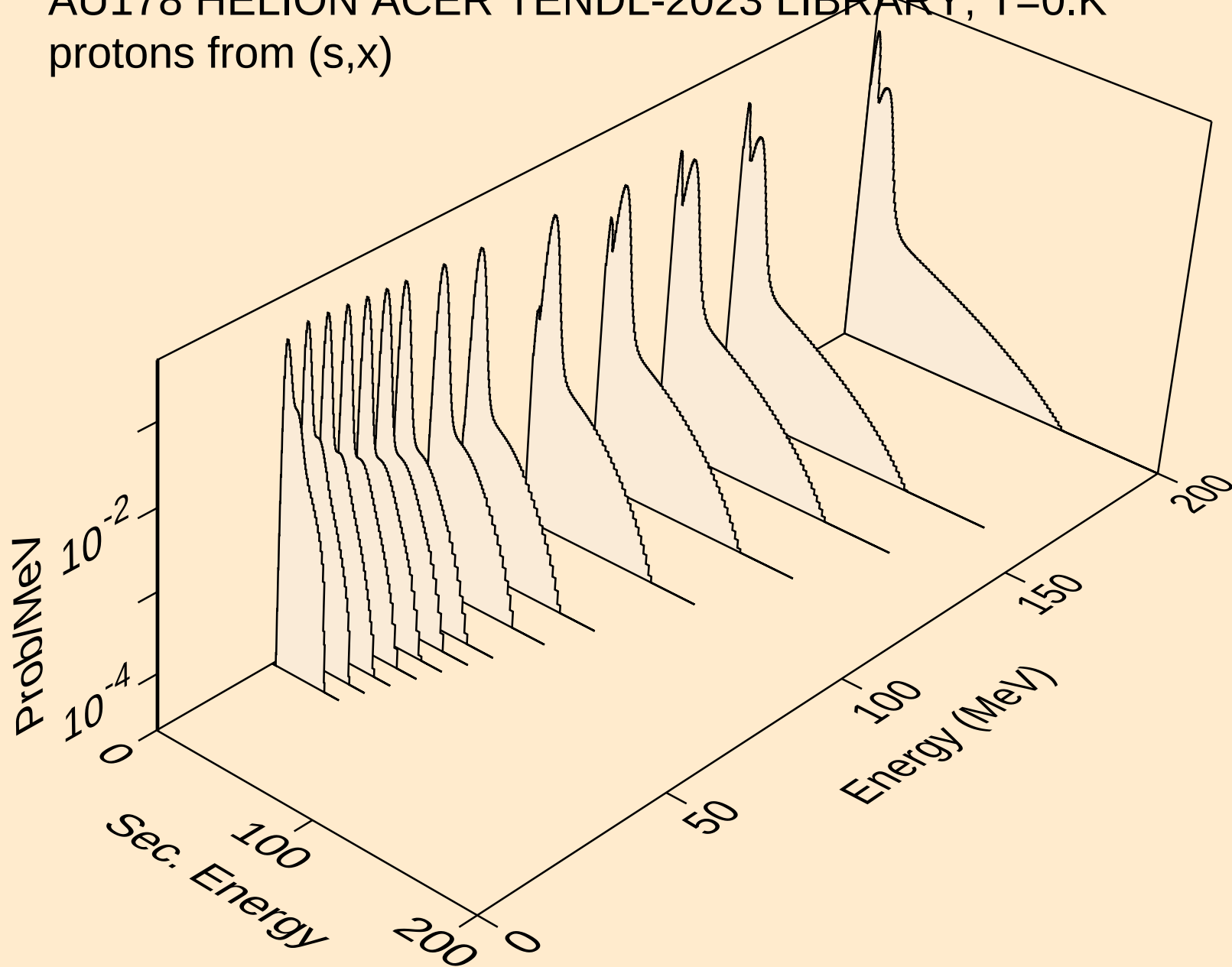
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neutrons from (s,n2p)



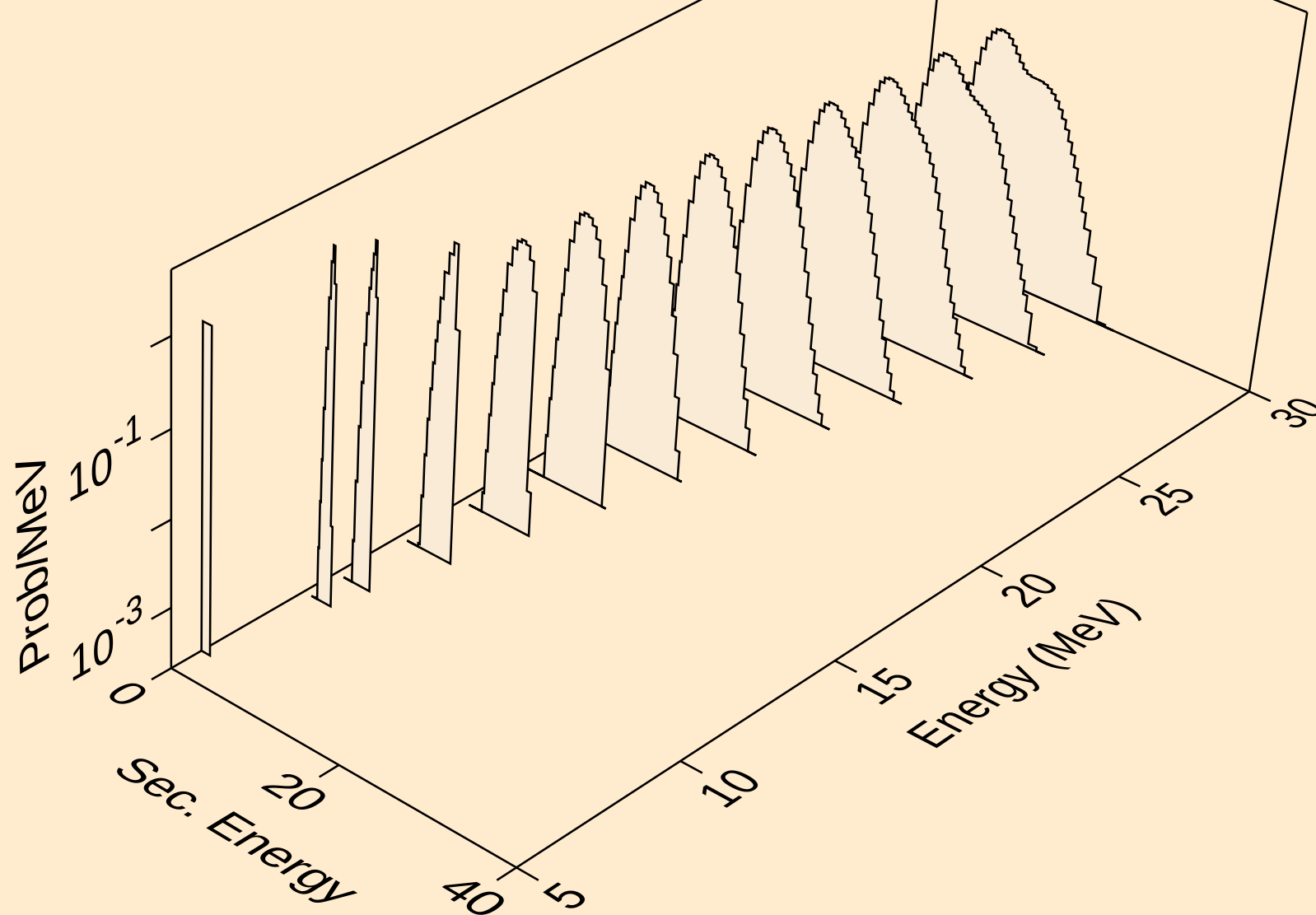
AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



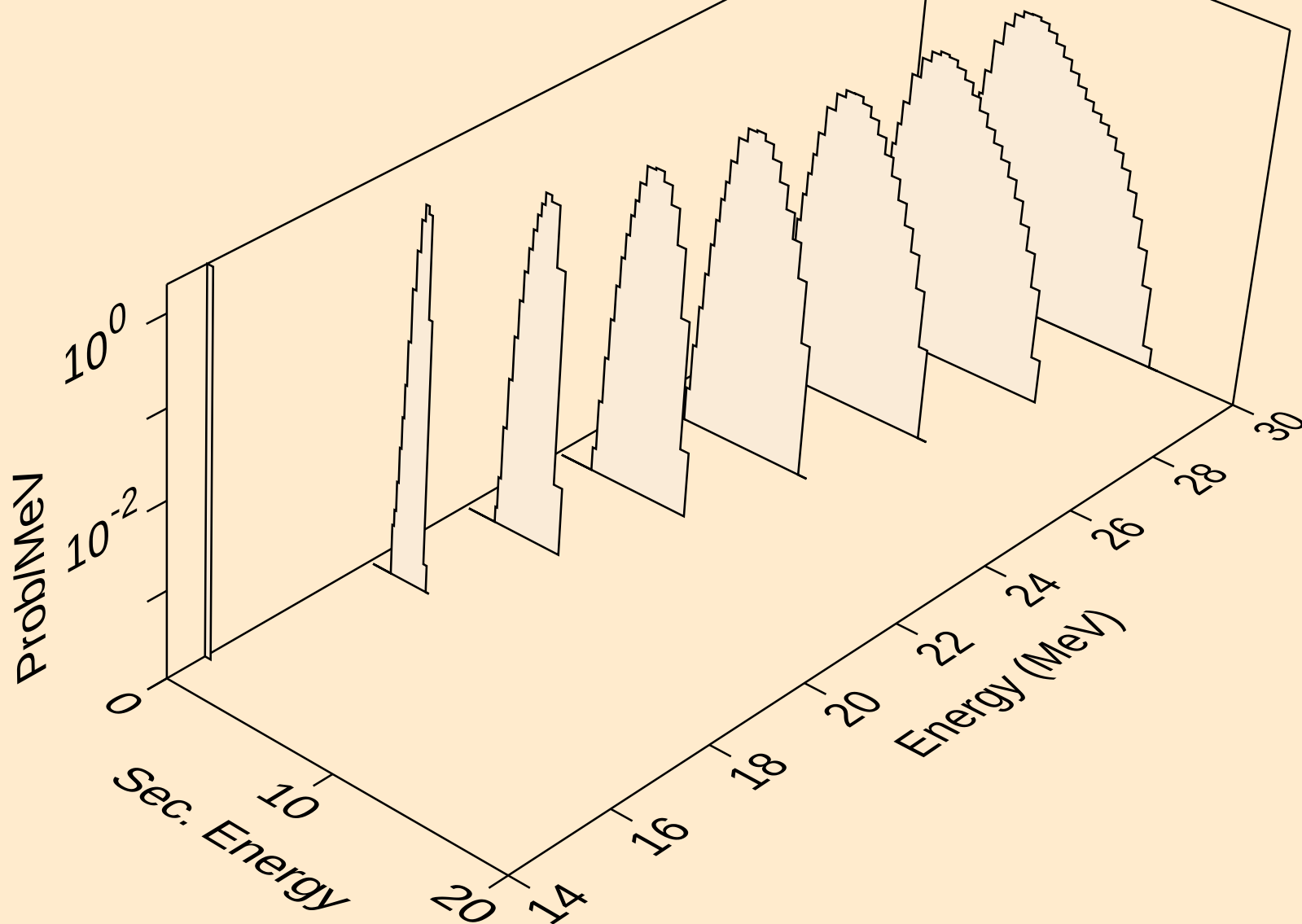
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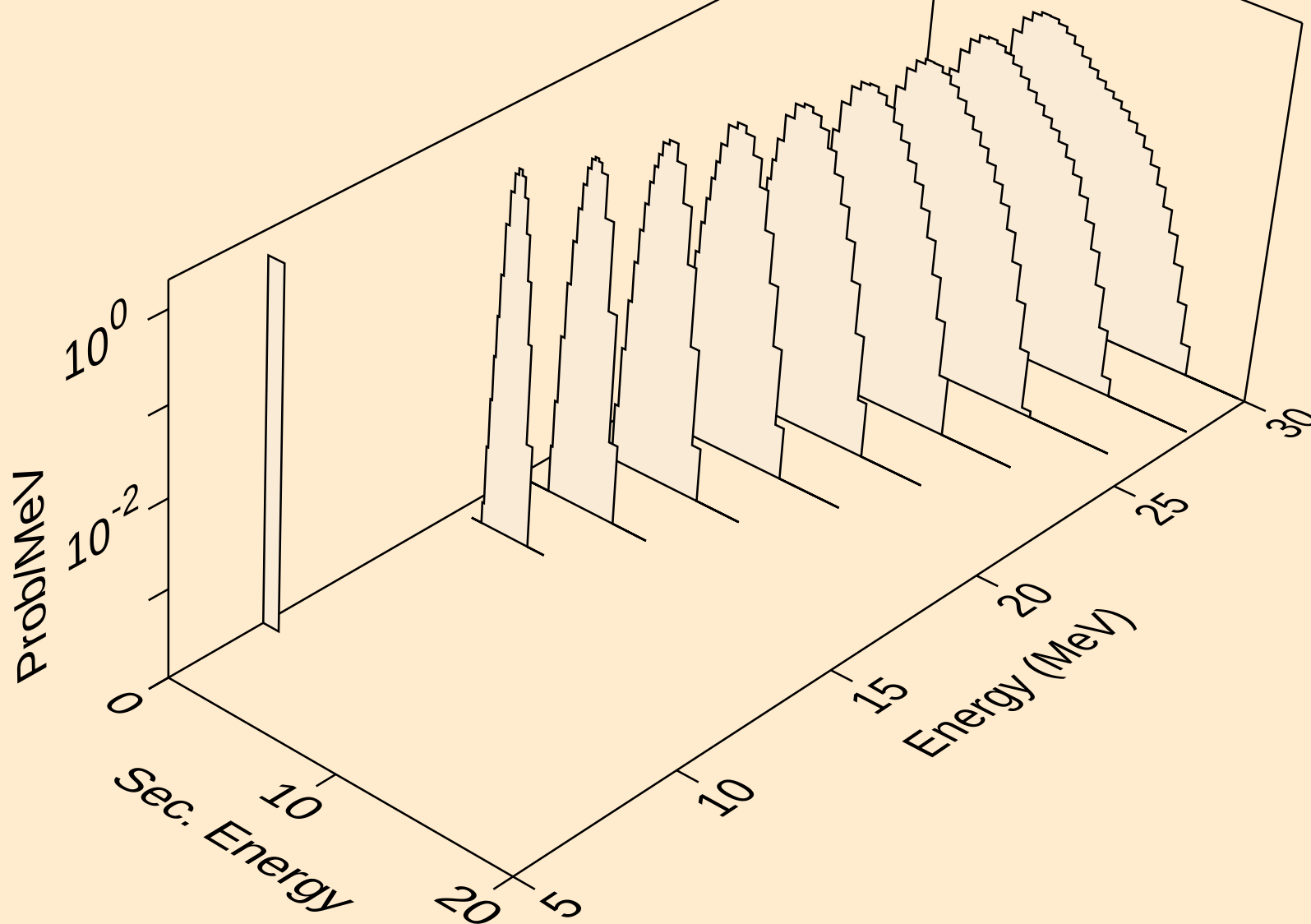
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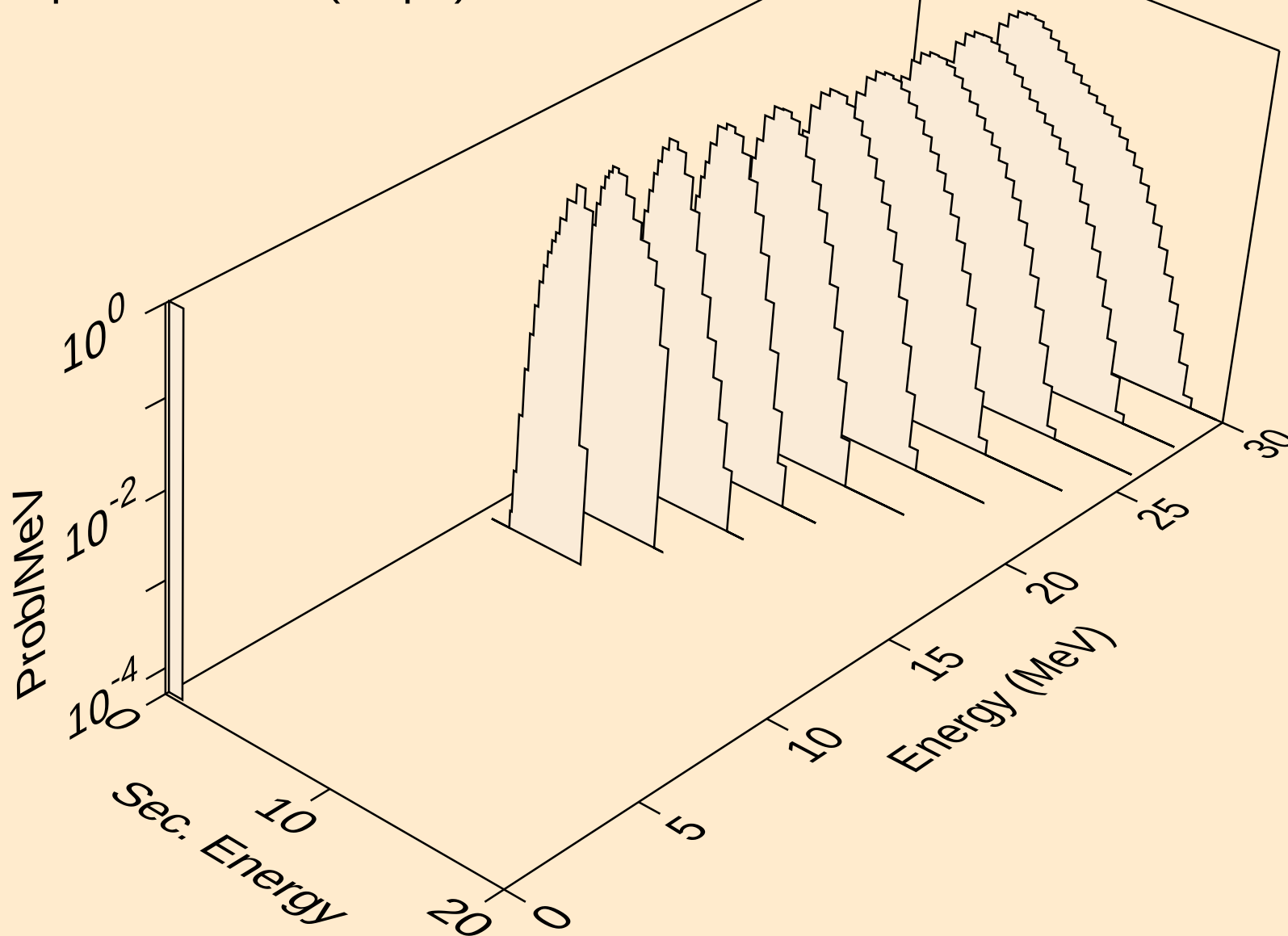
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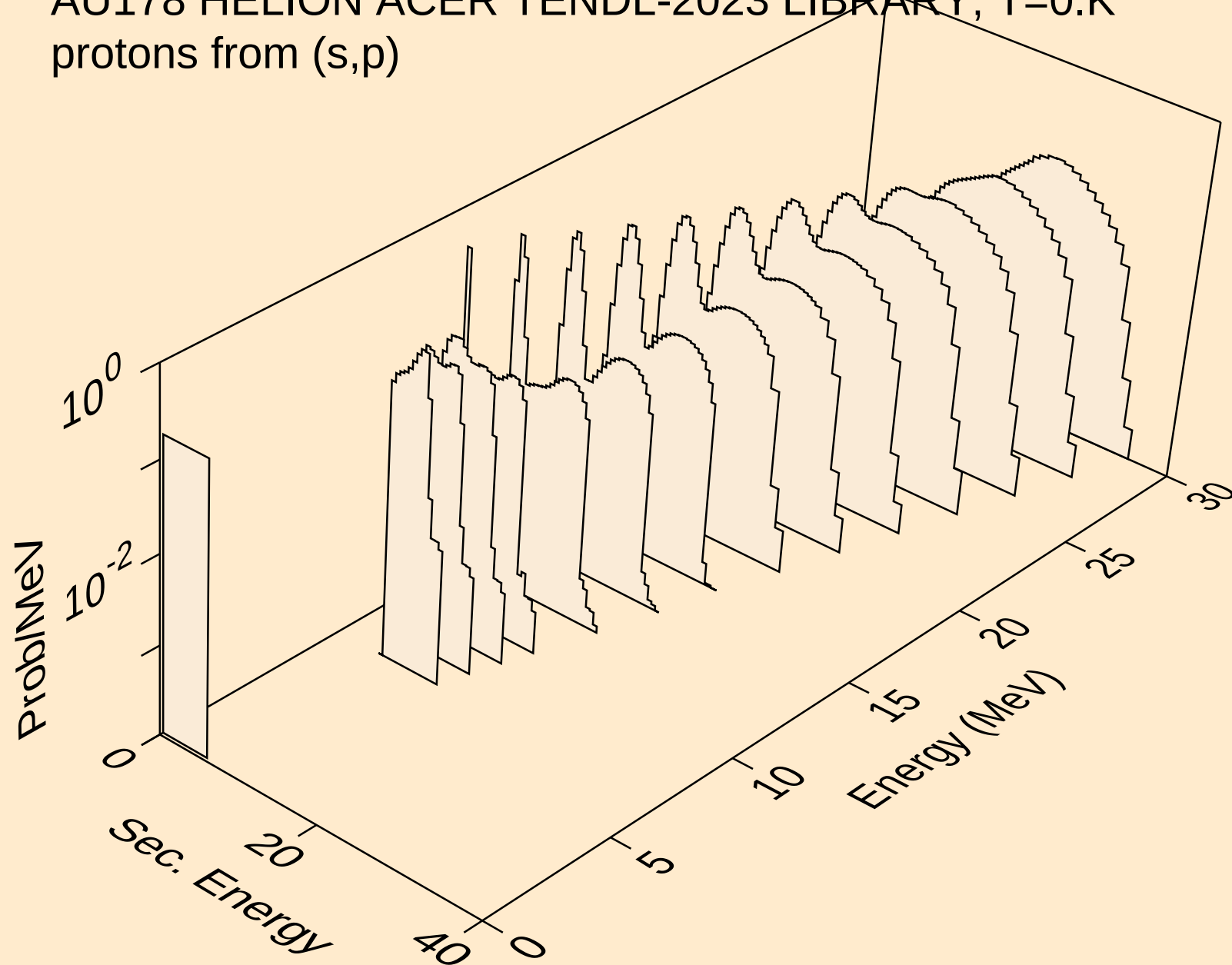
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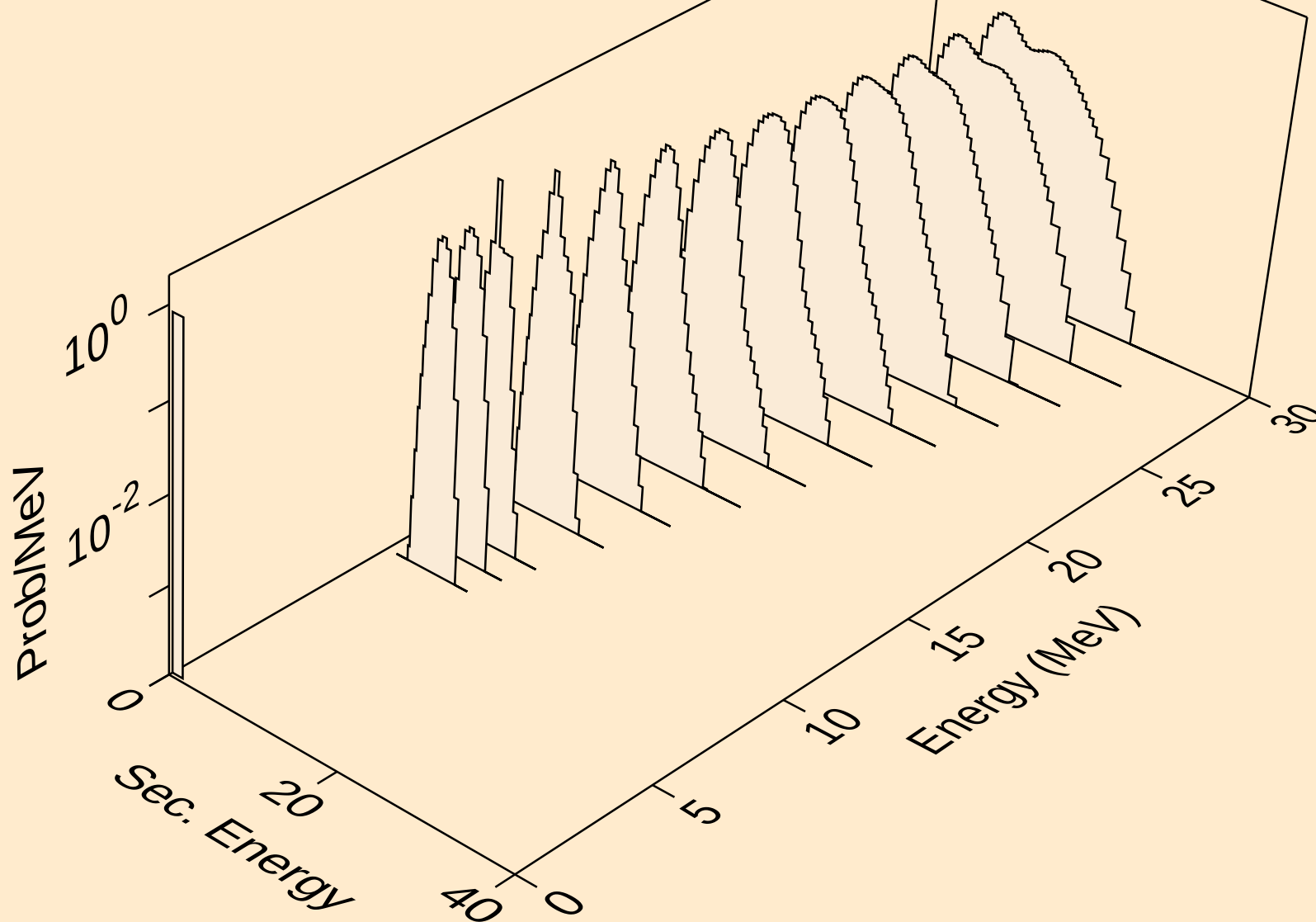
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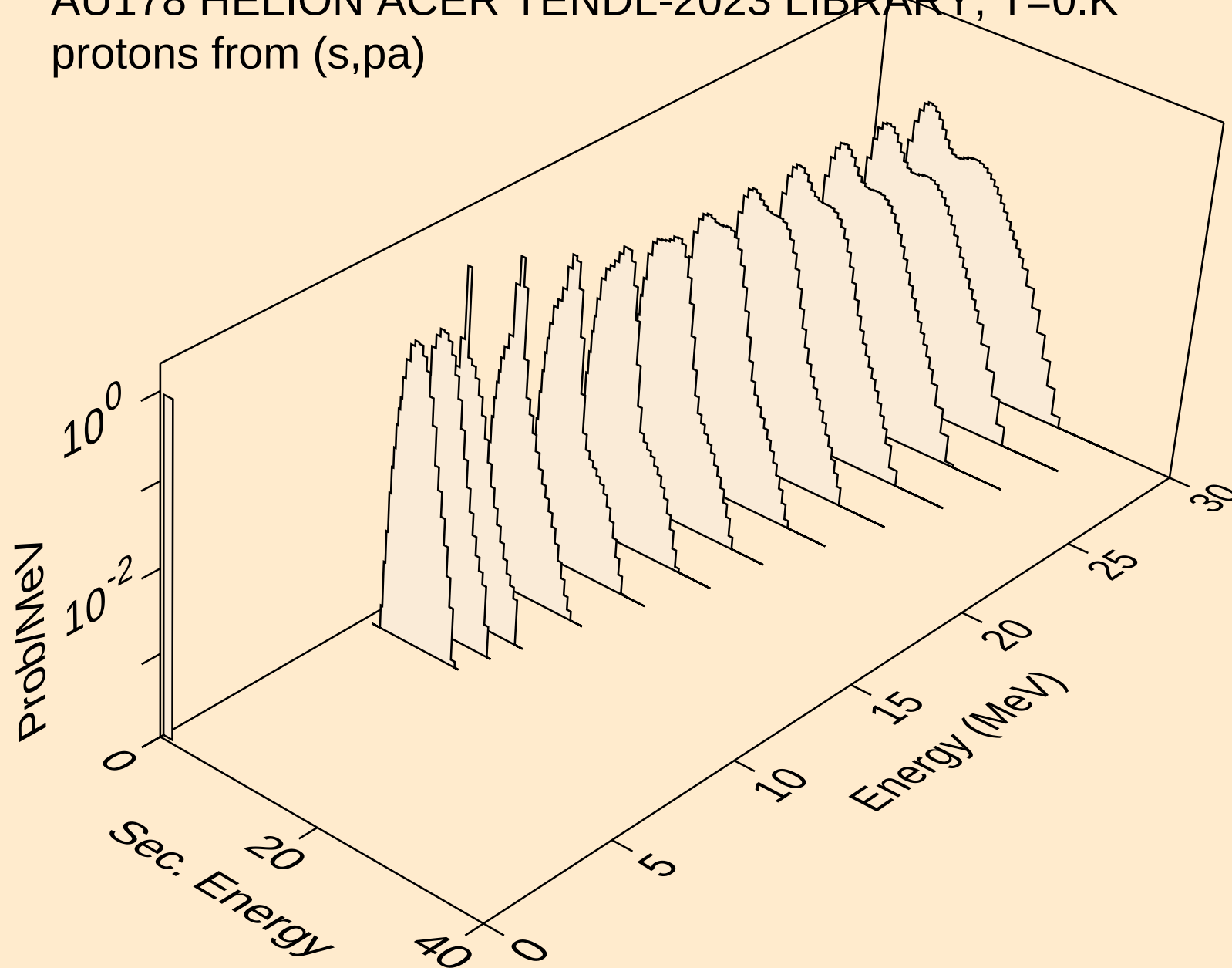
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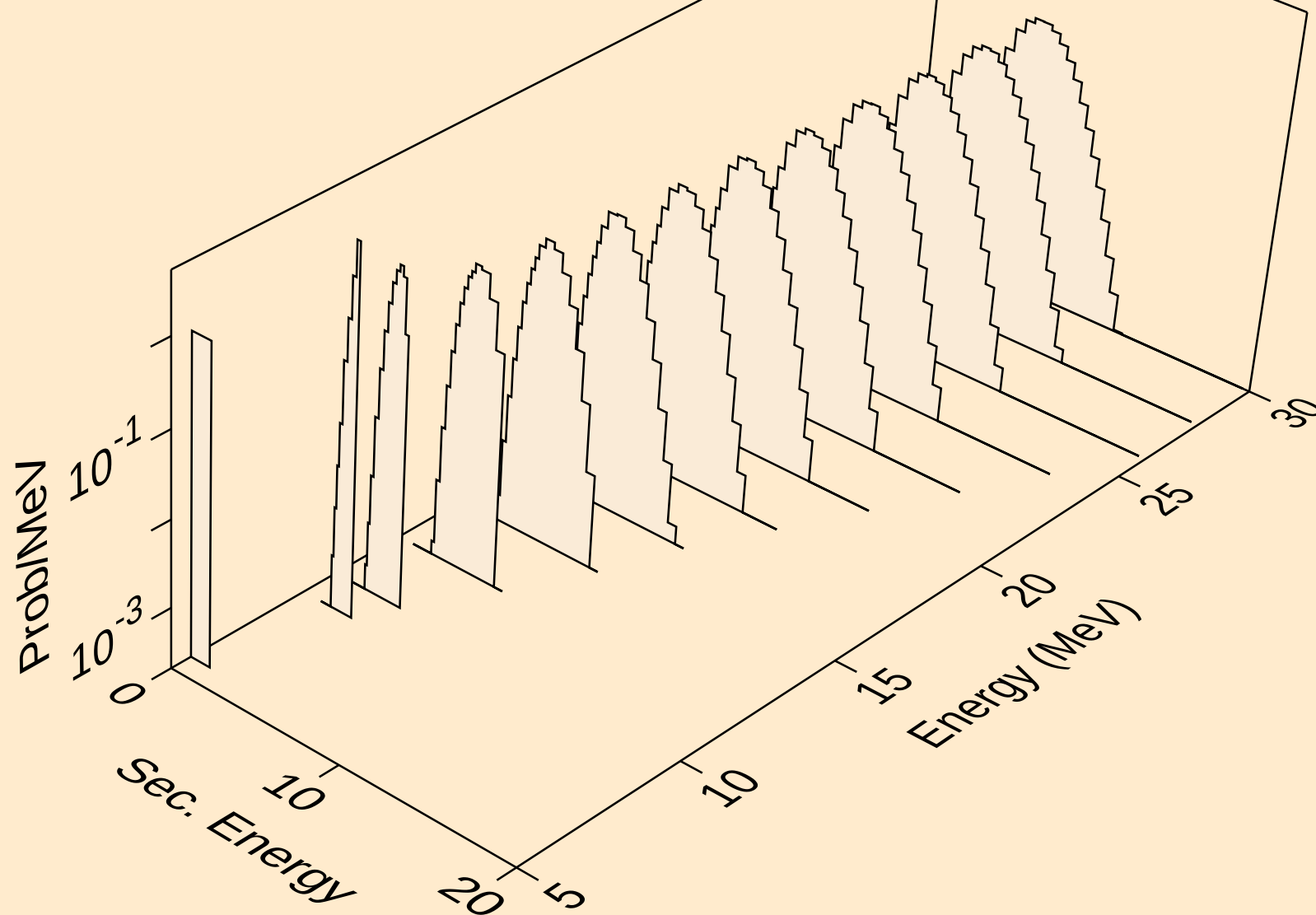
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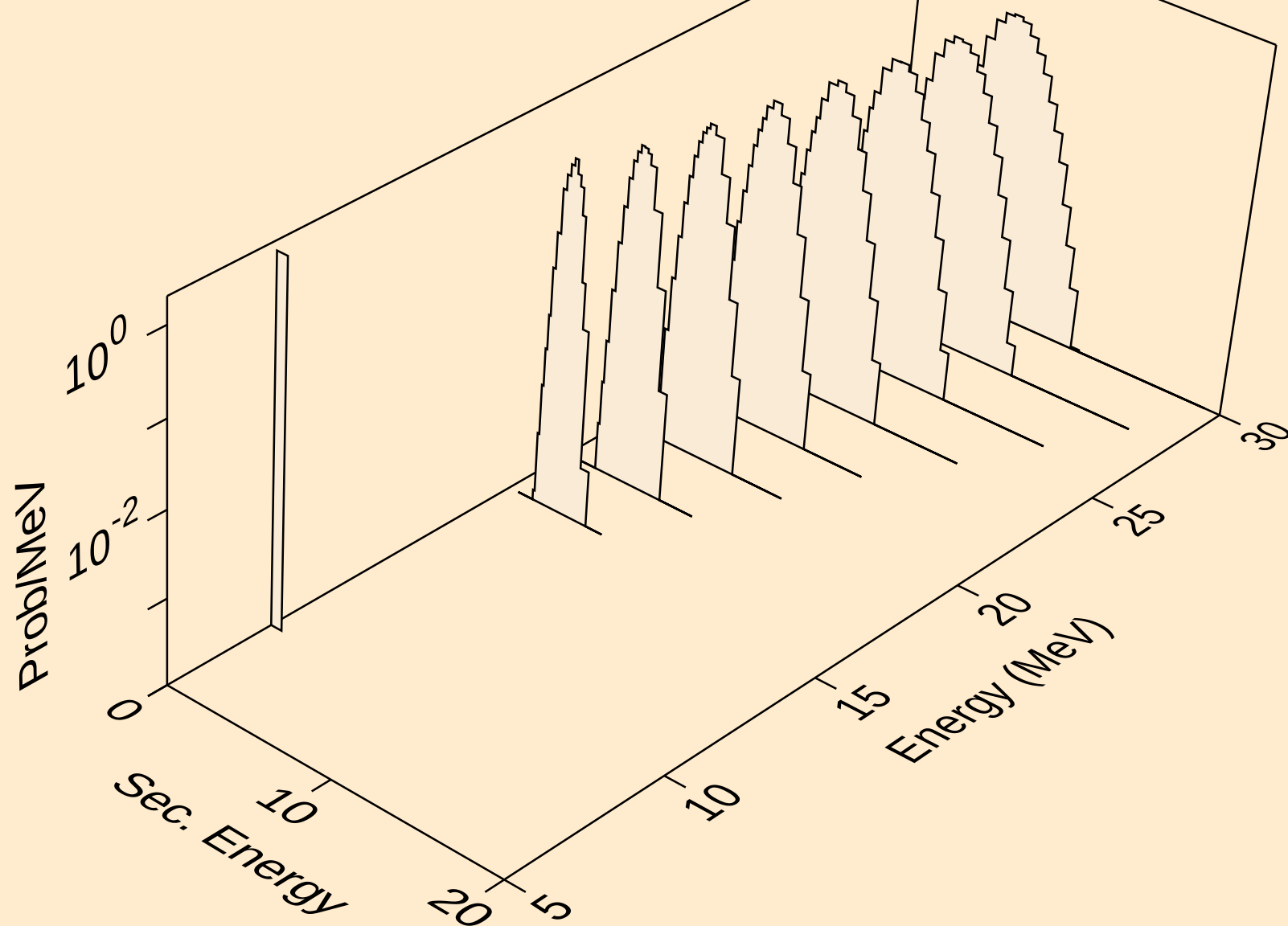
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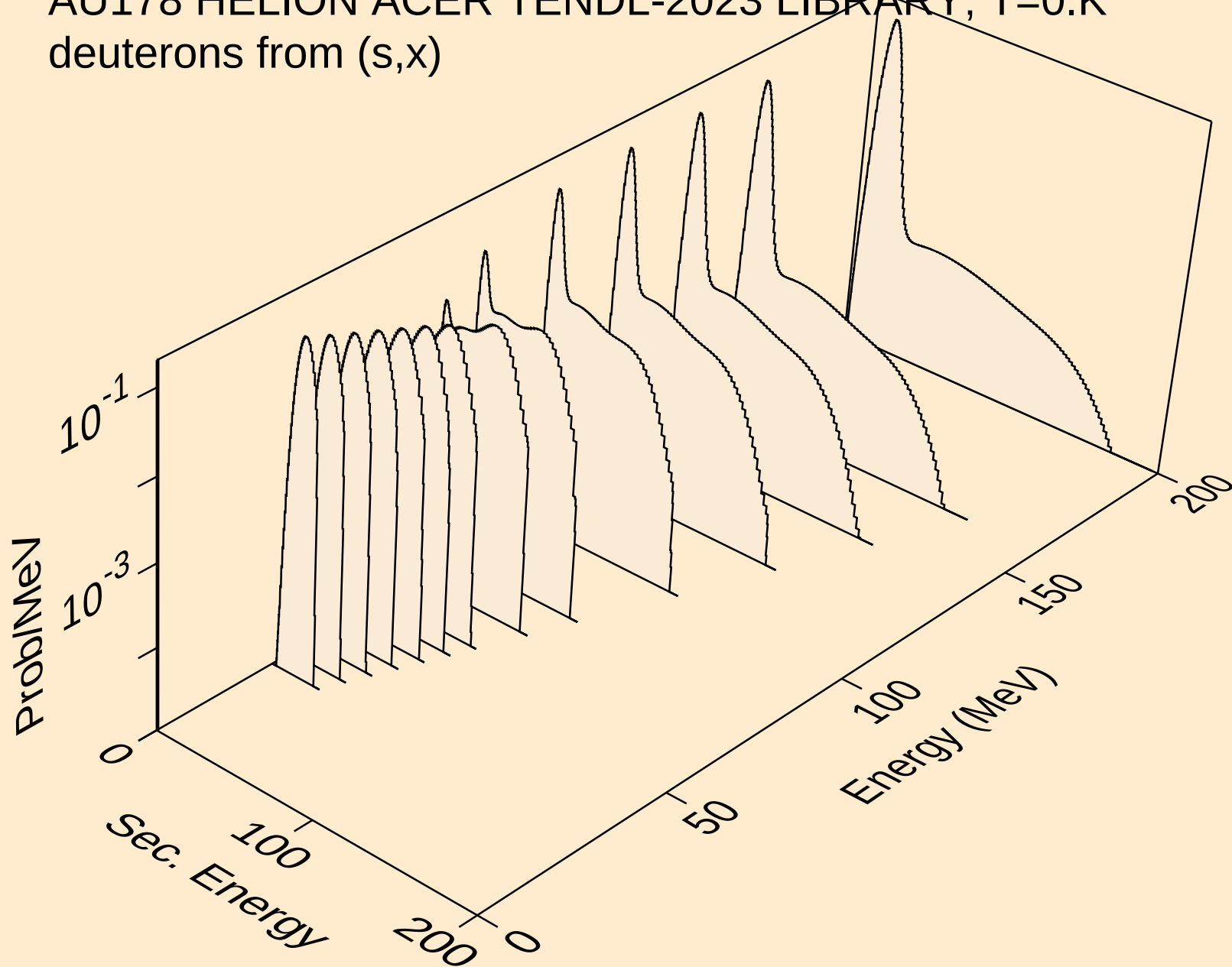
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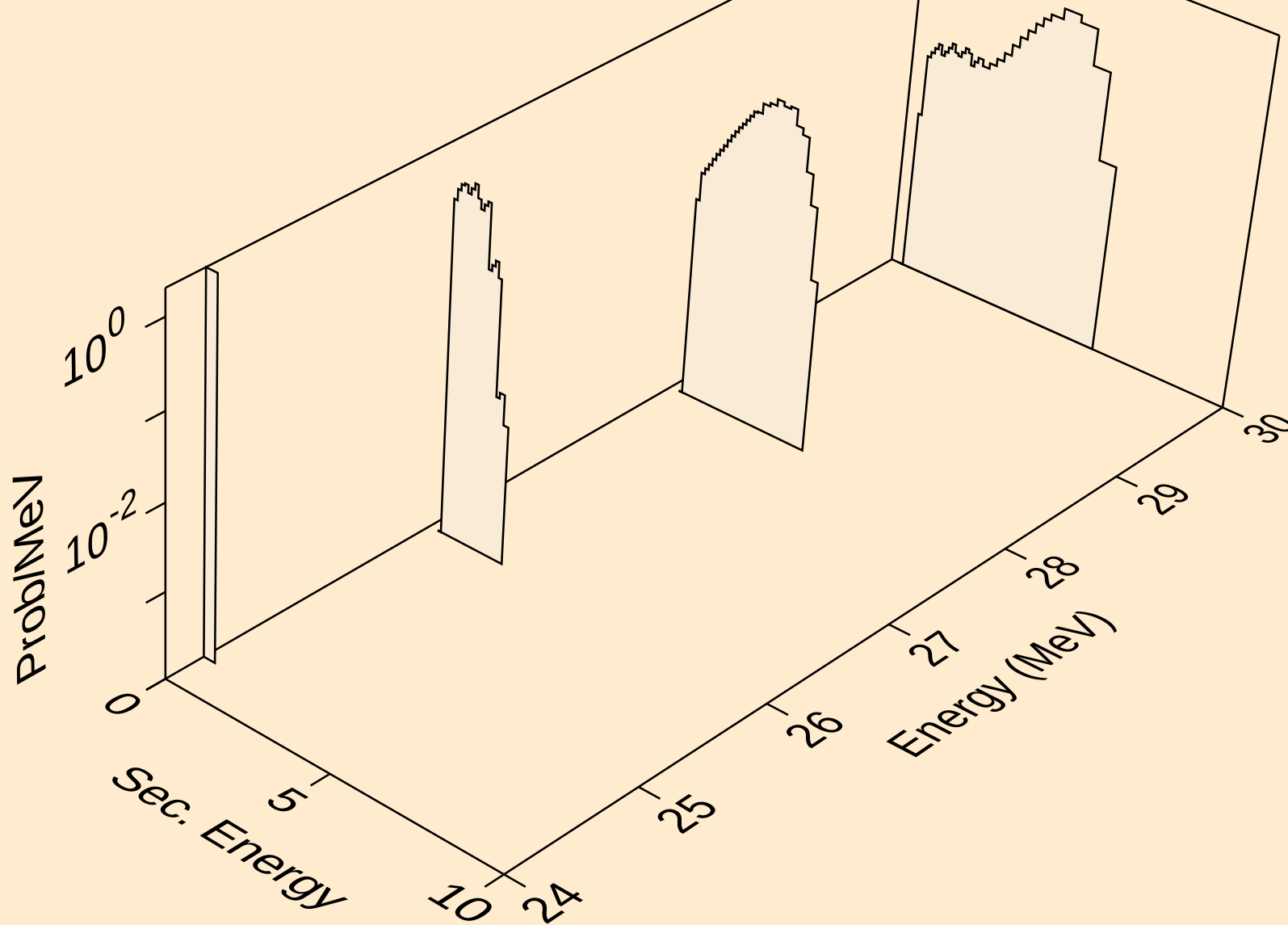
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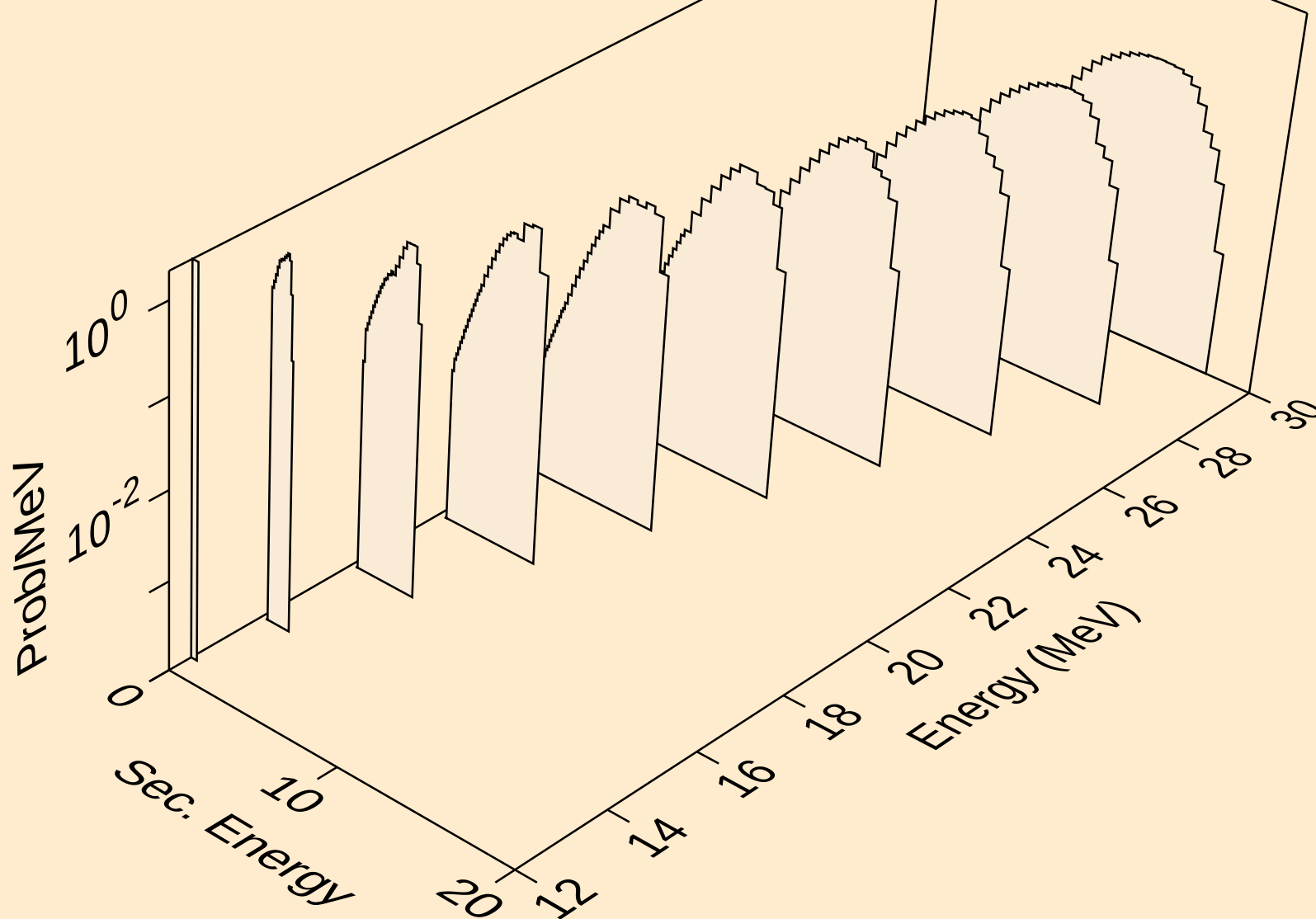
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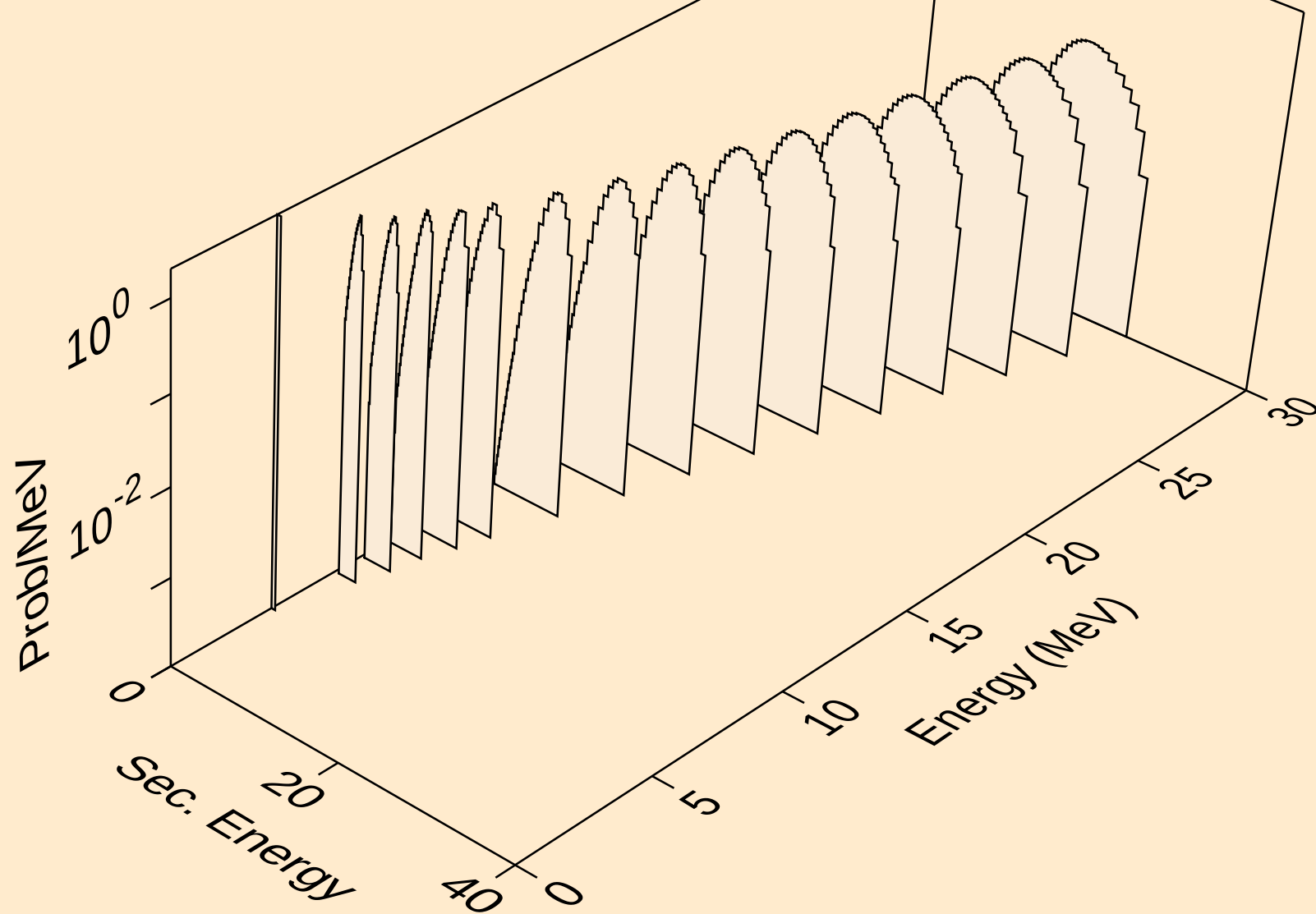
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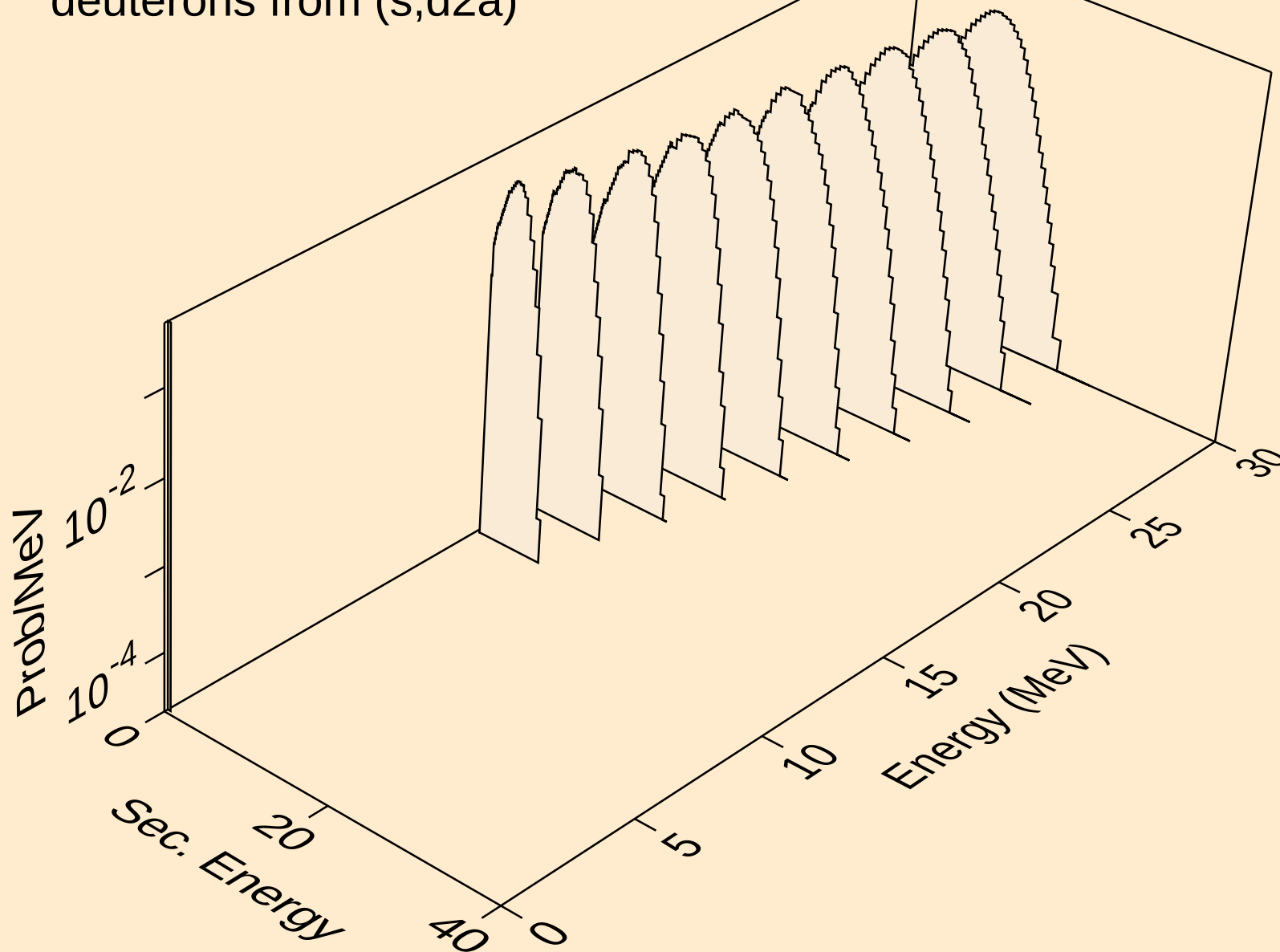
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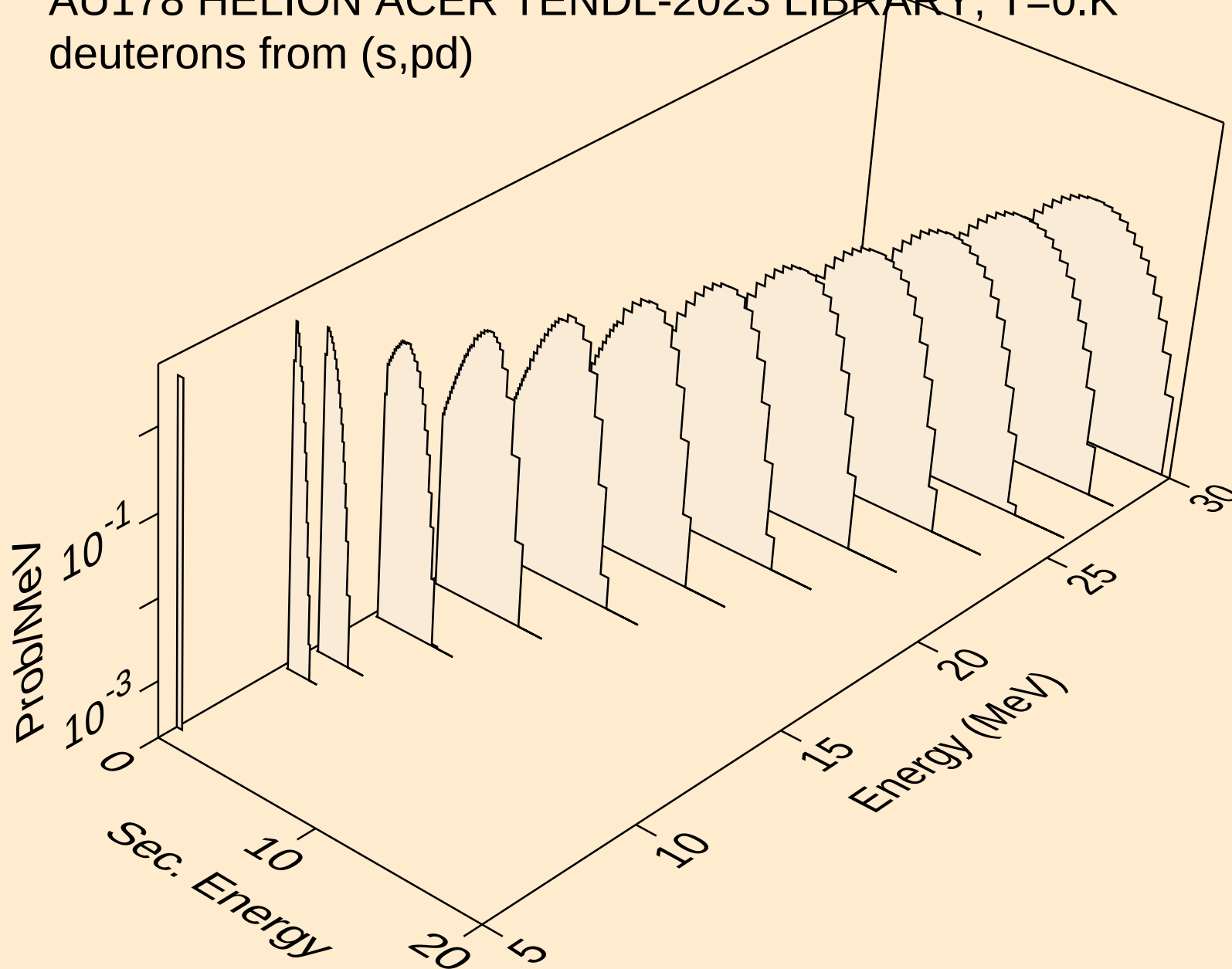
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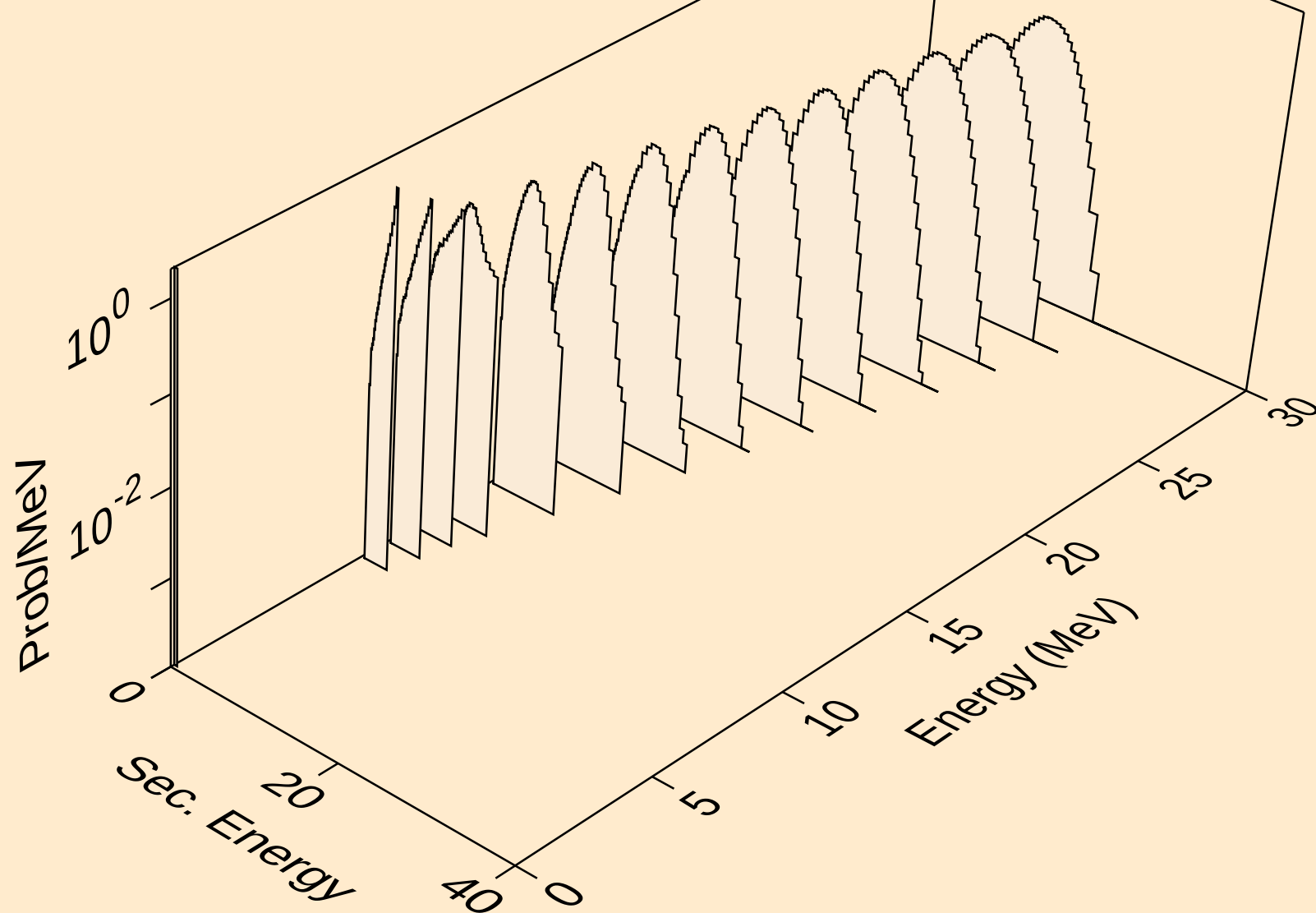
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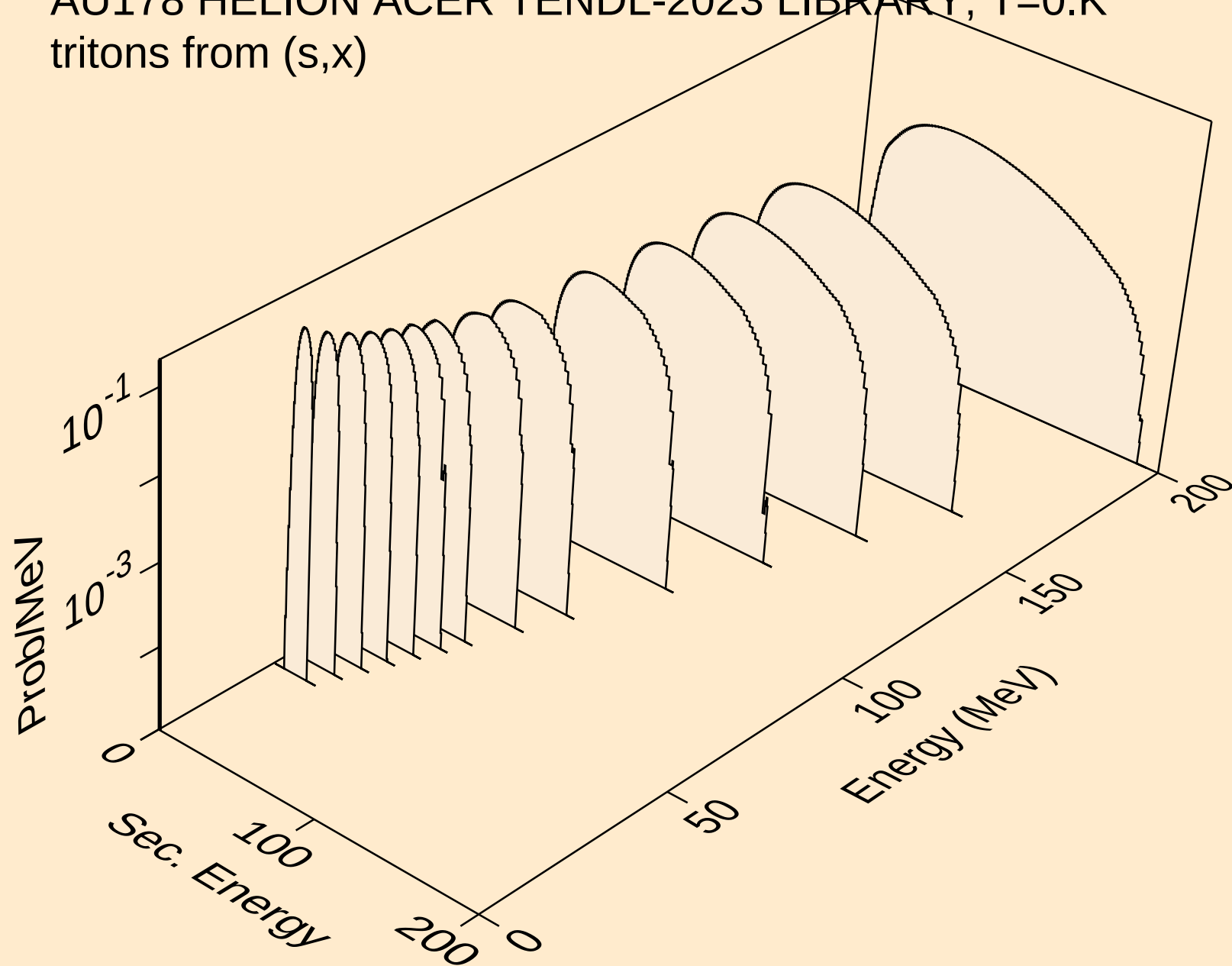
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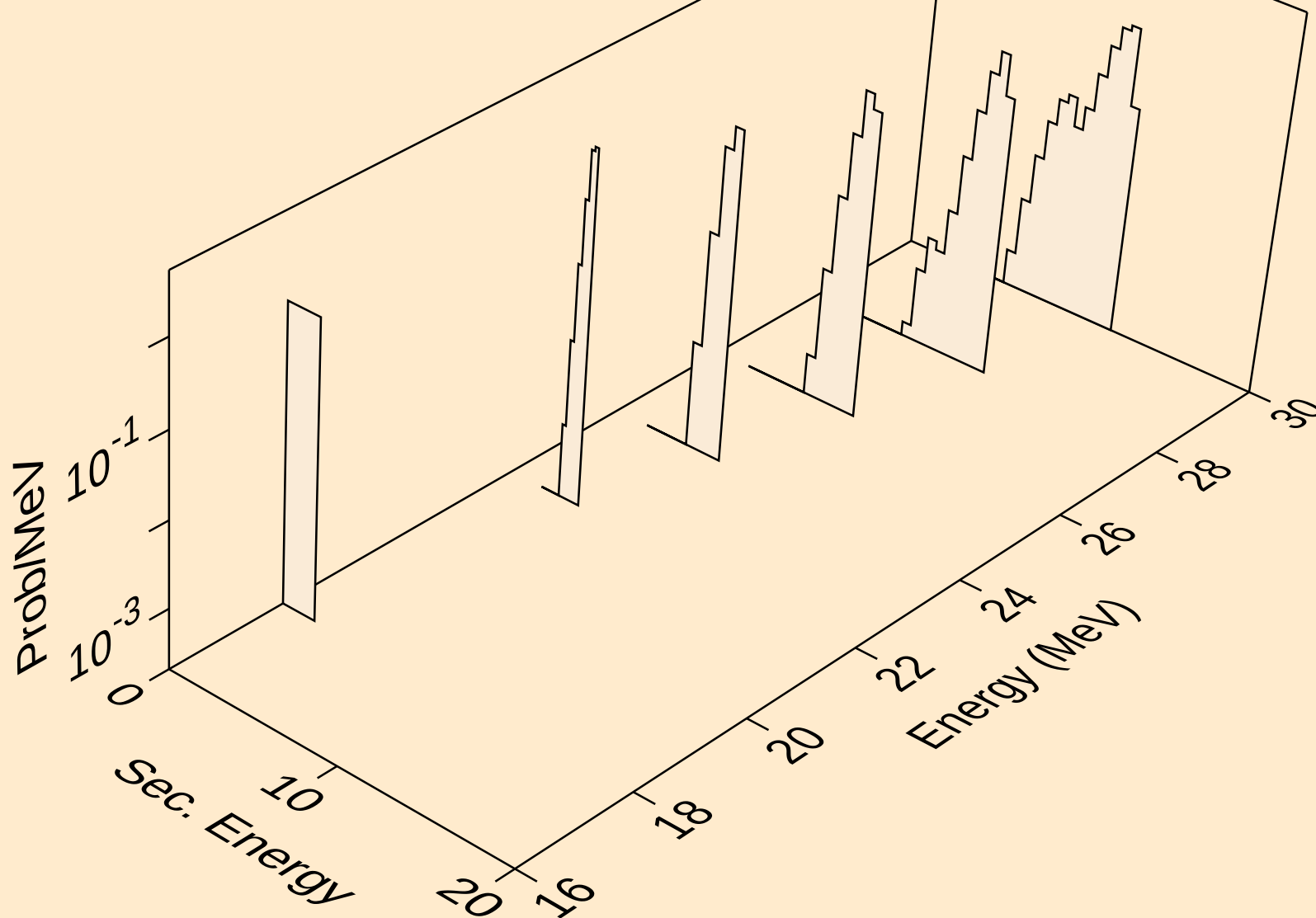
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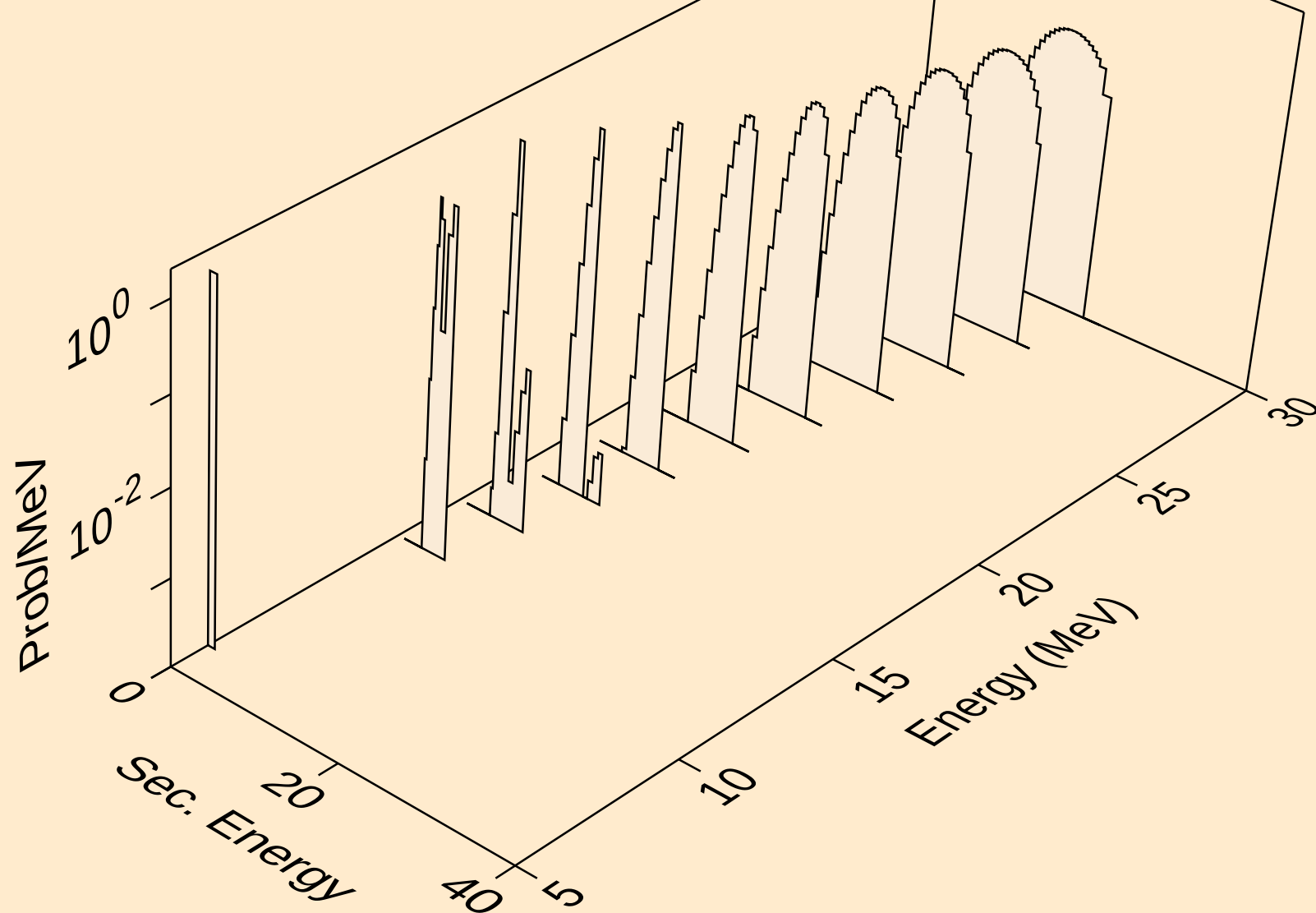
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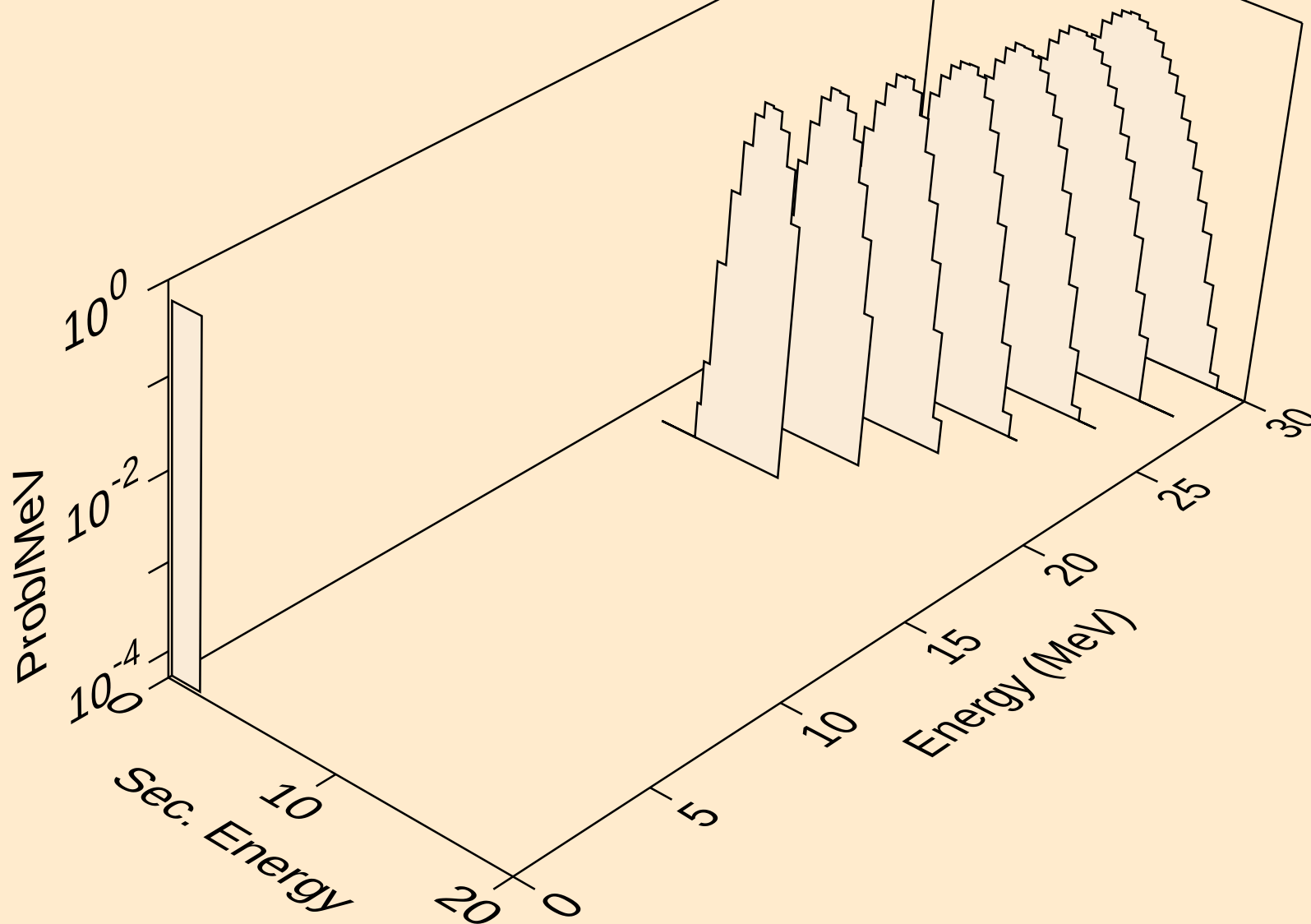
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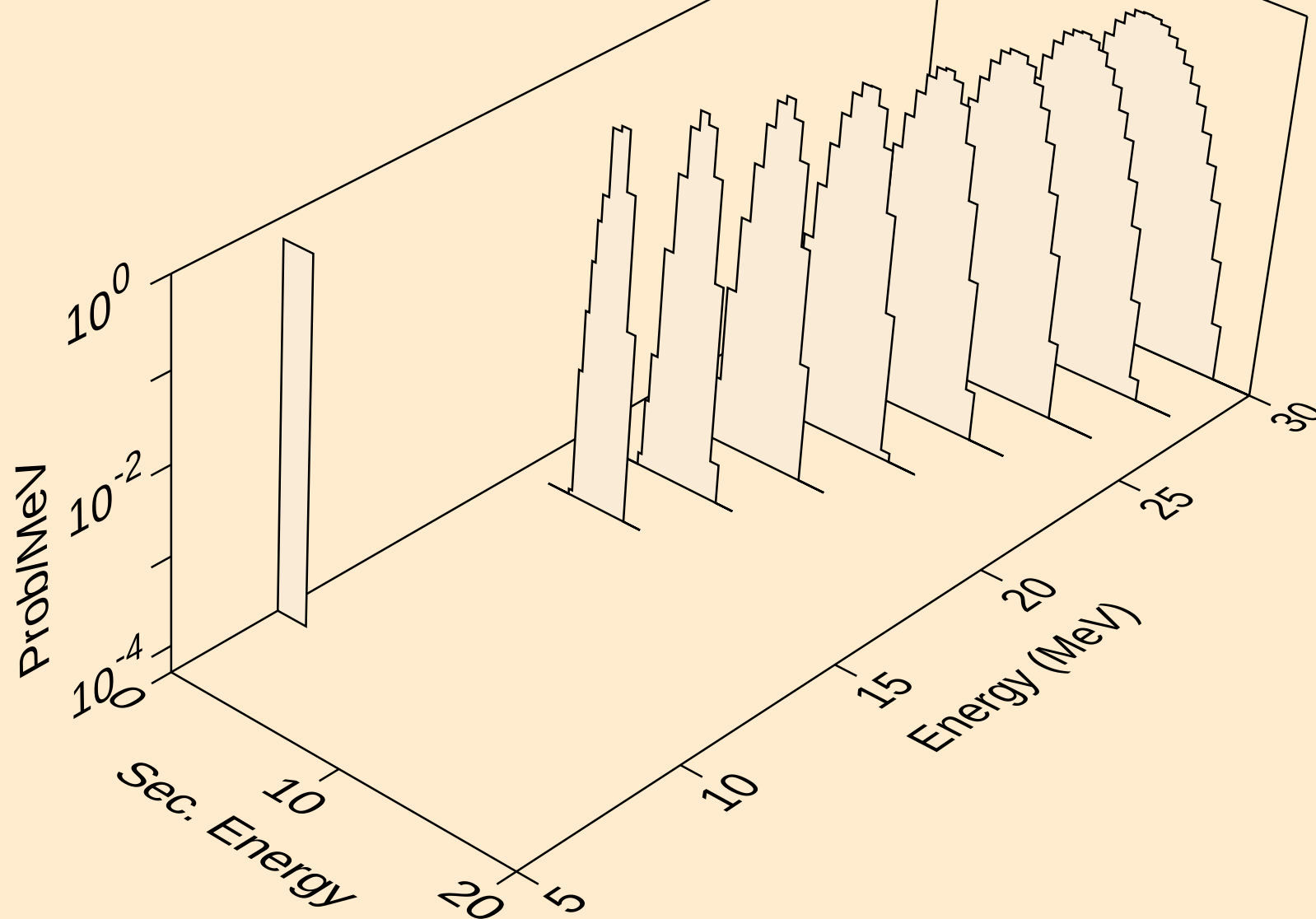
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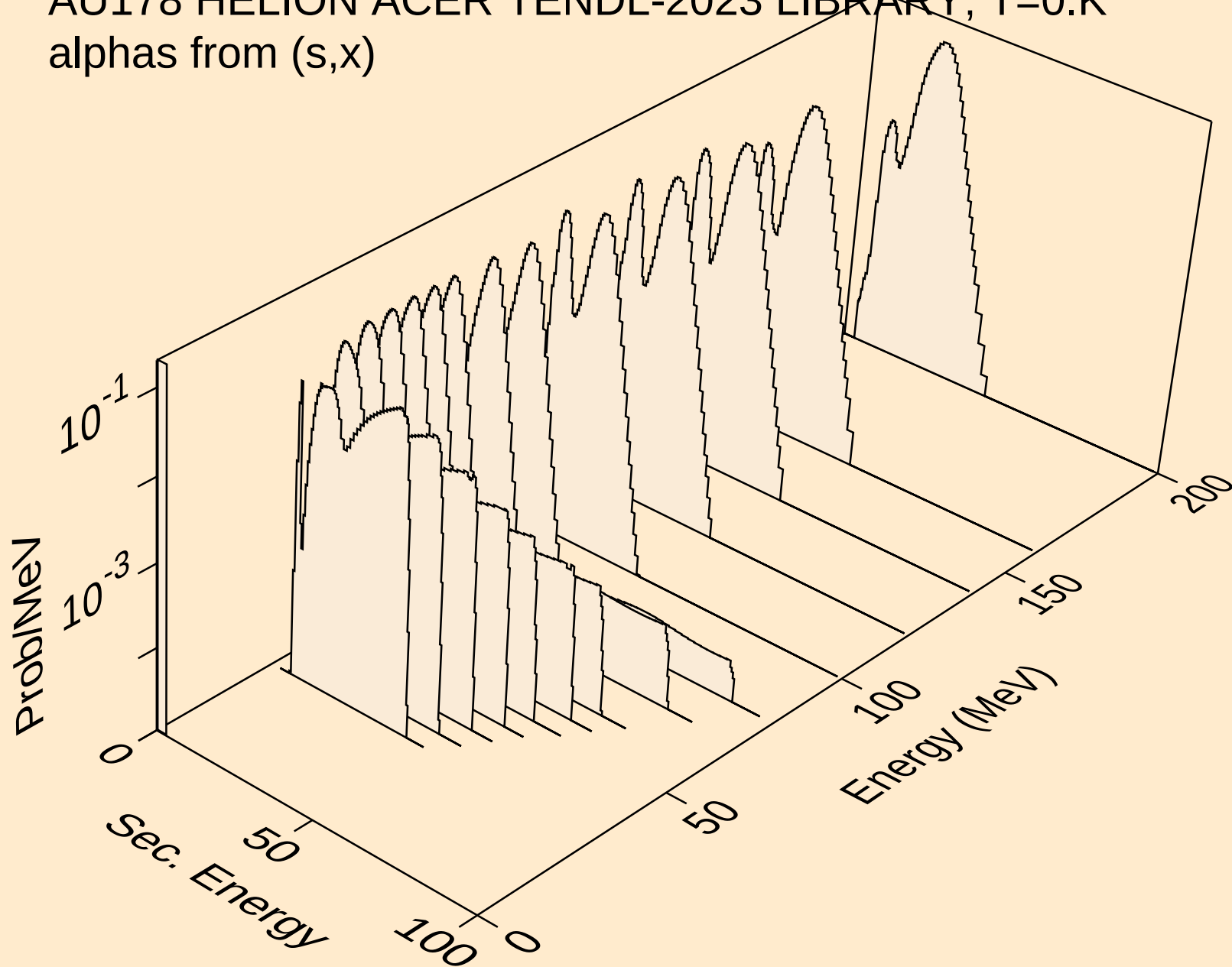
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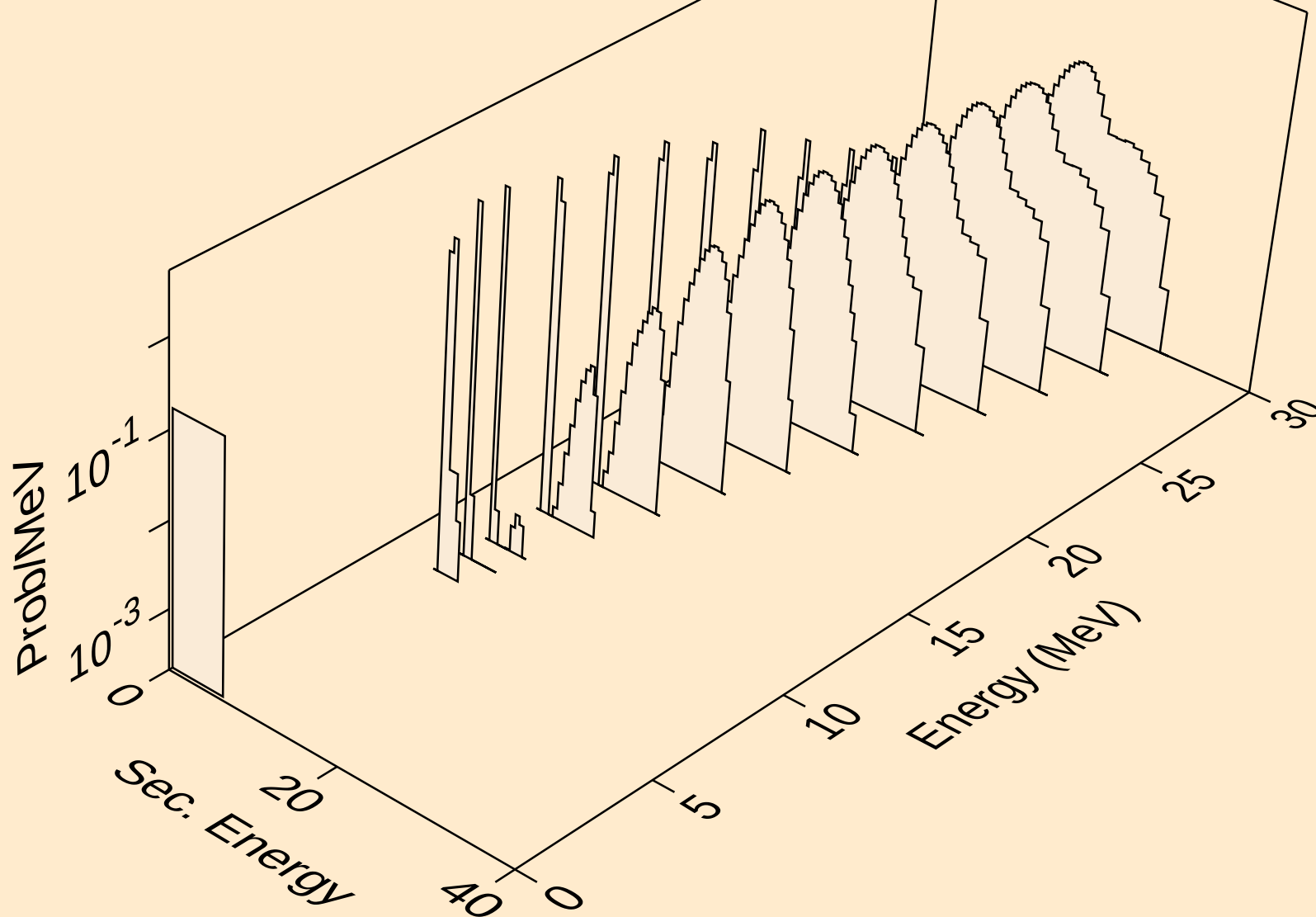
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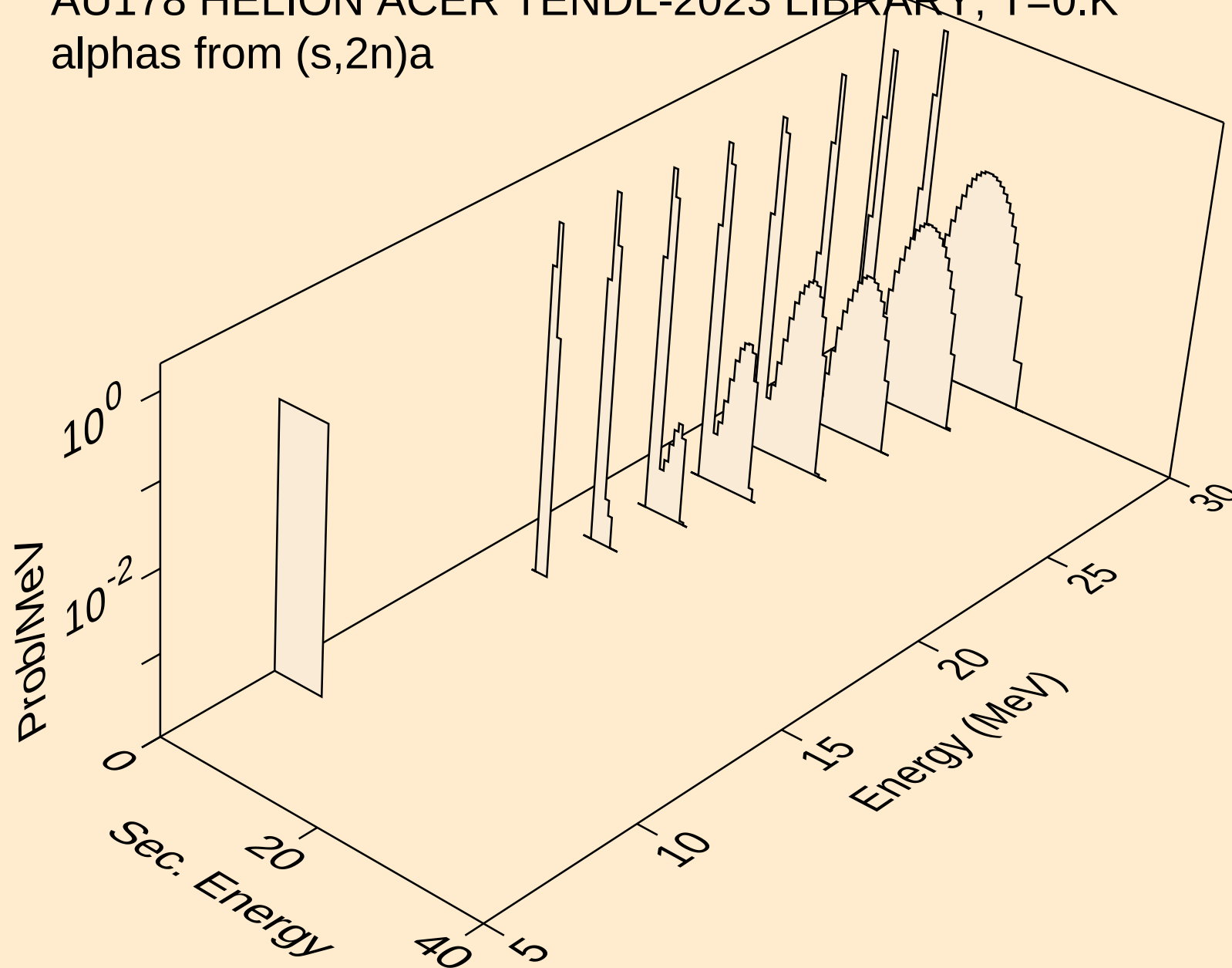
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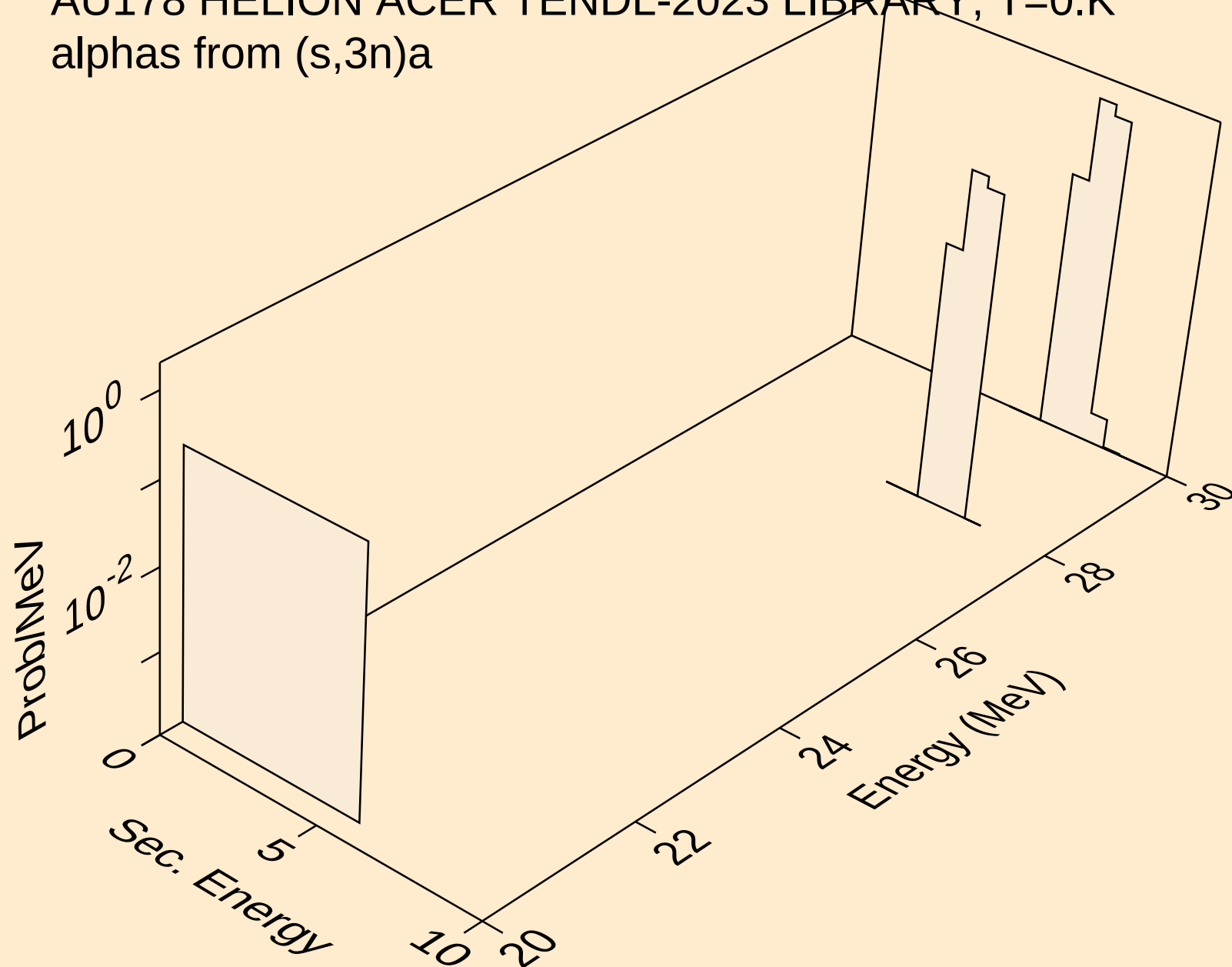
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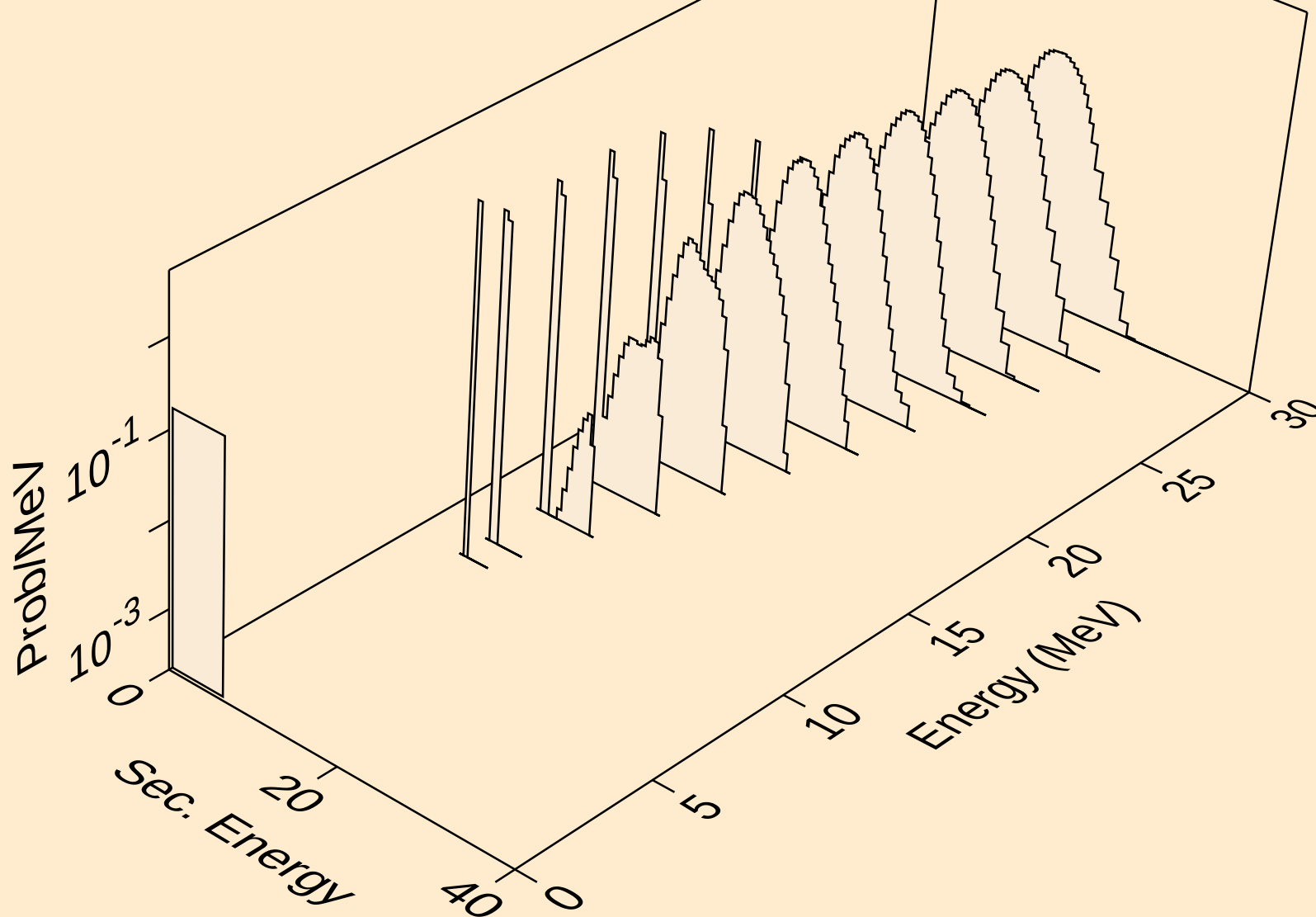
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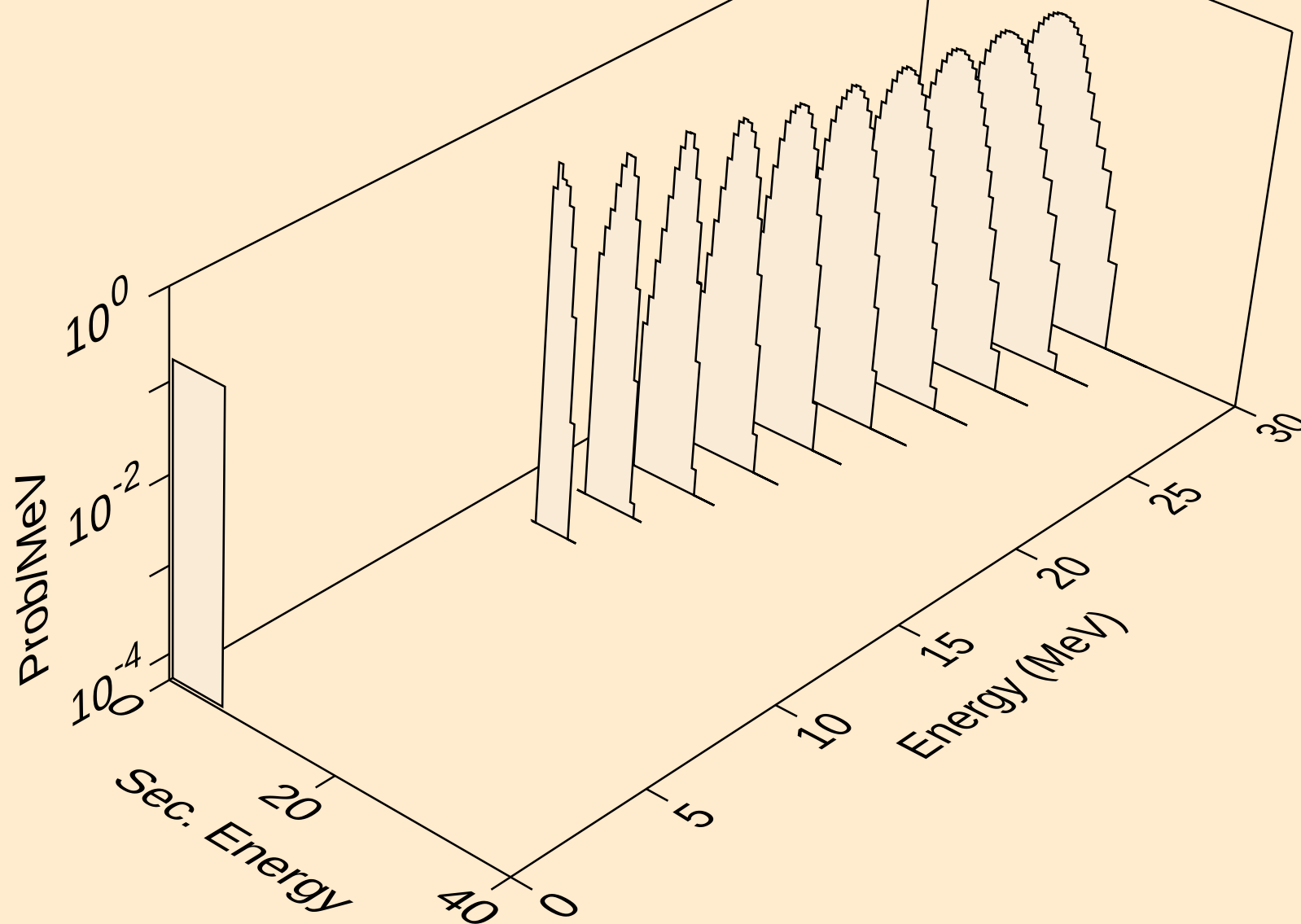
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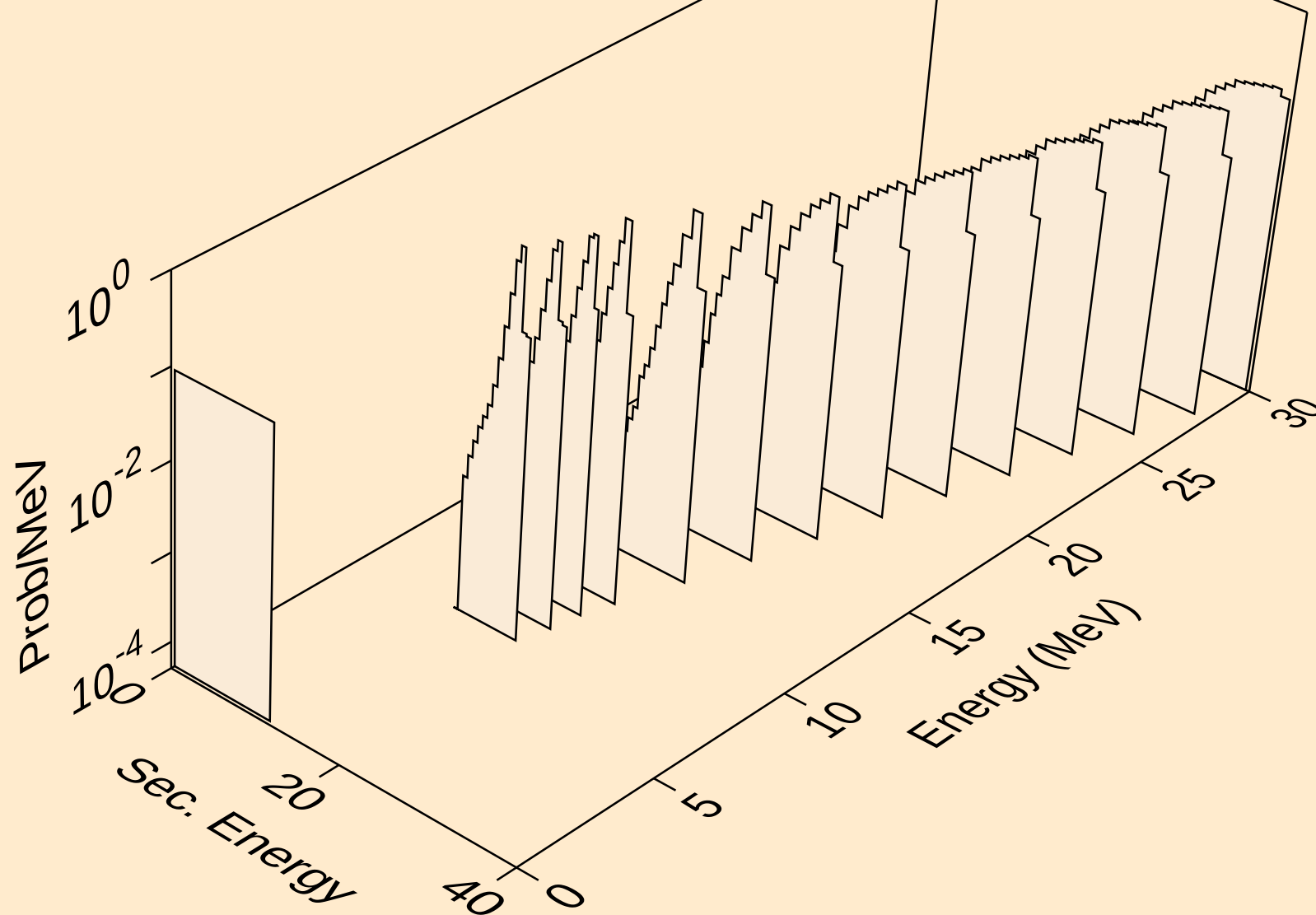
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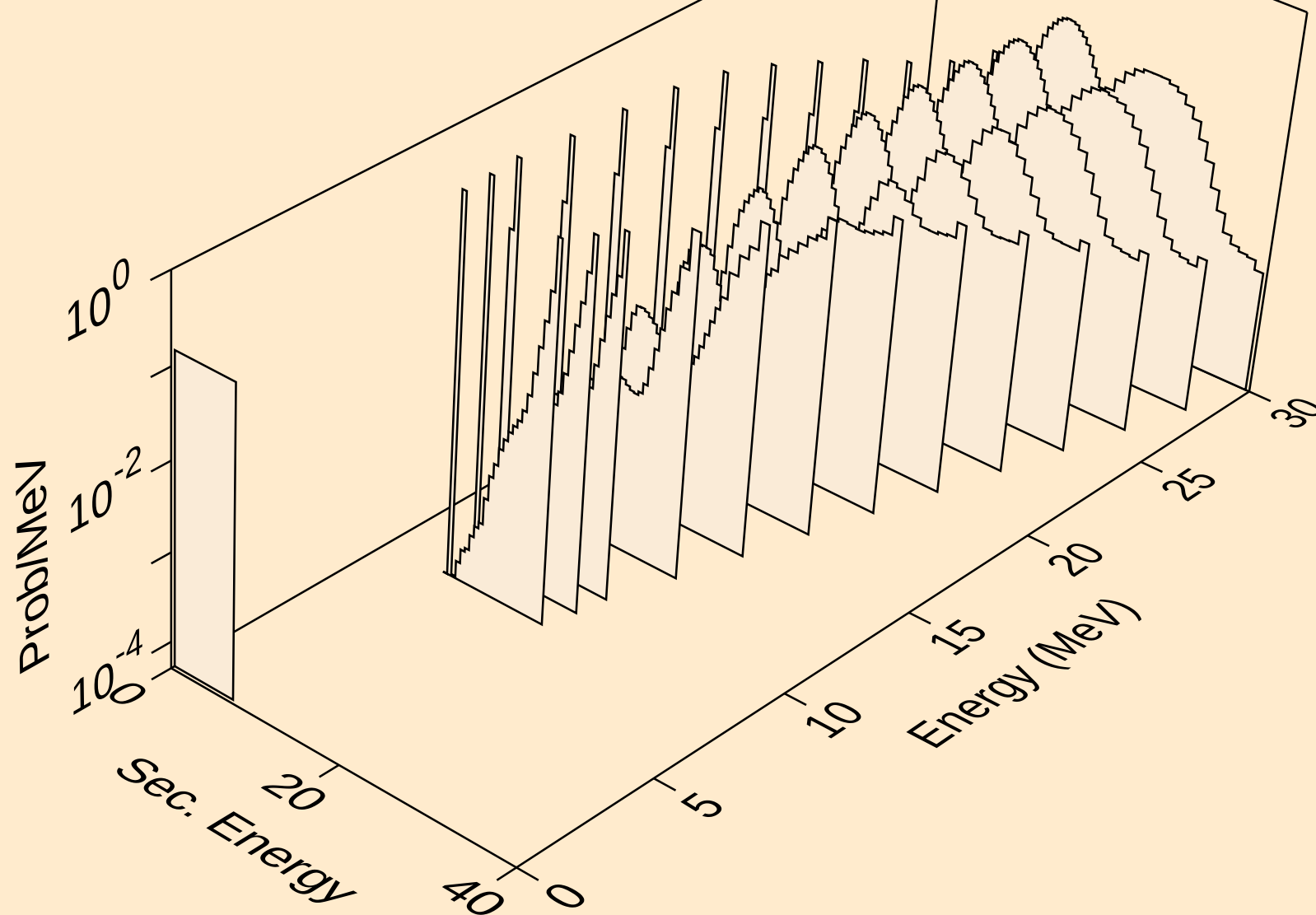
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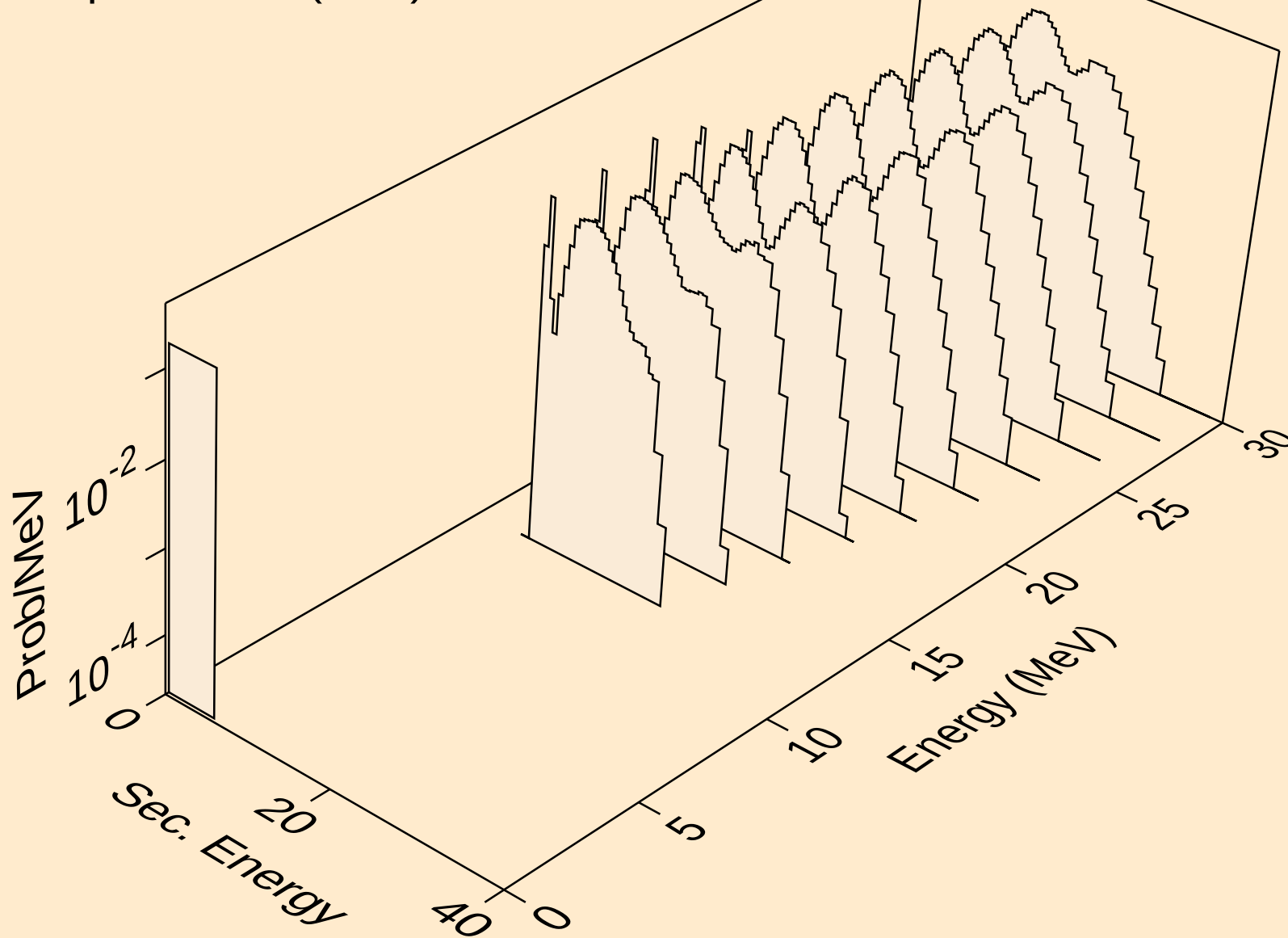
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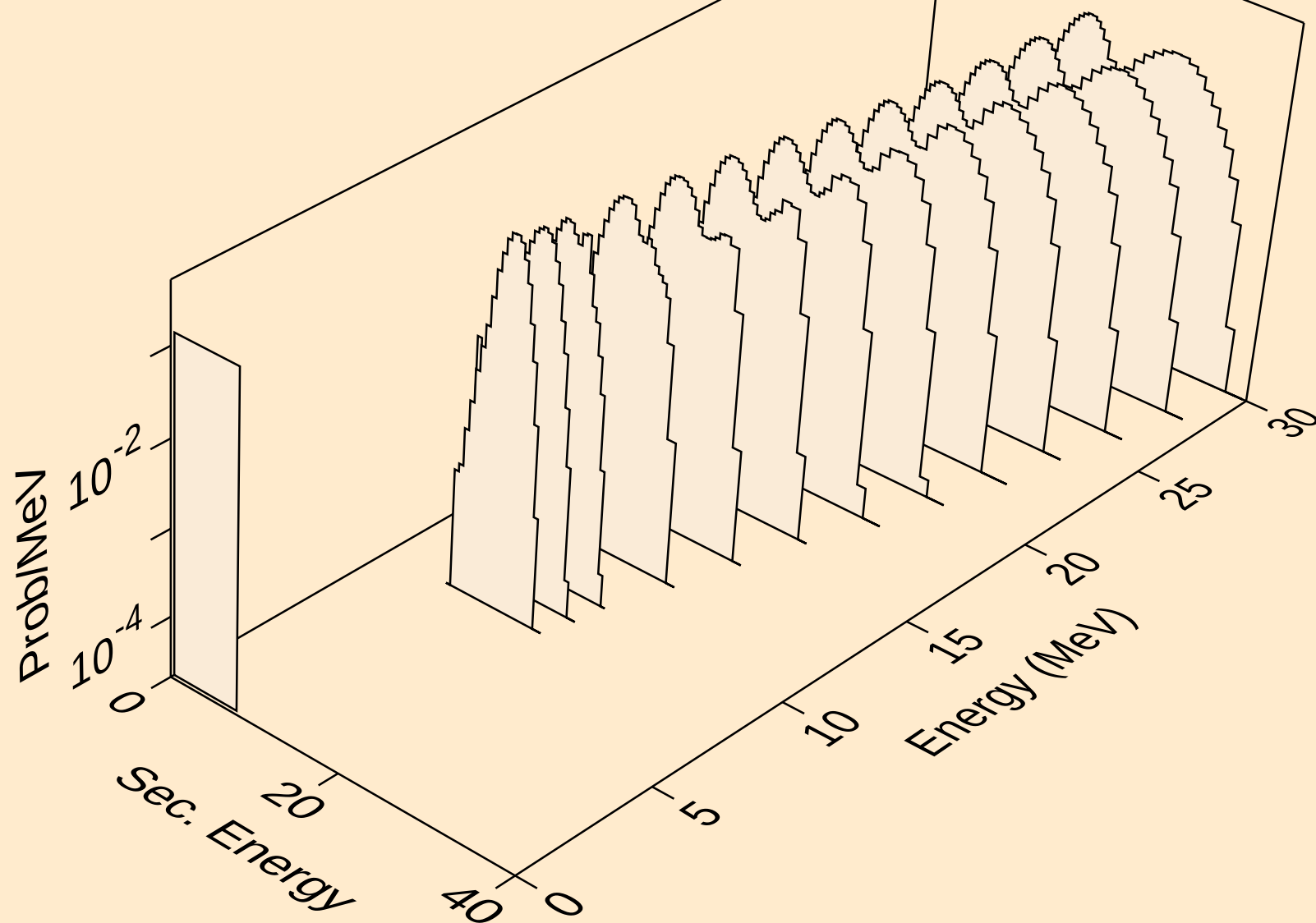
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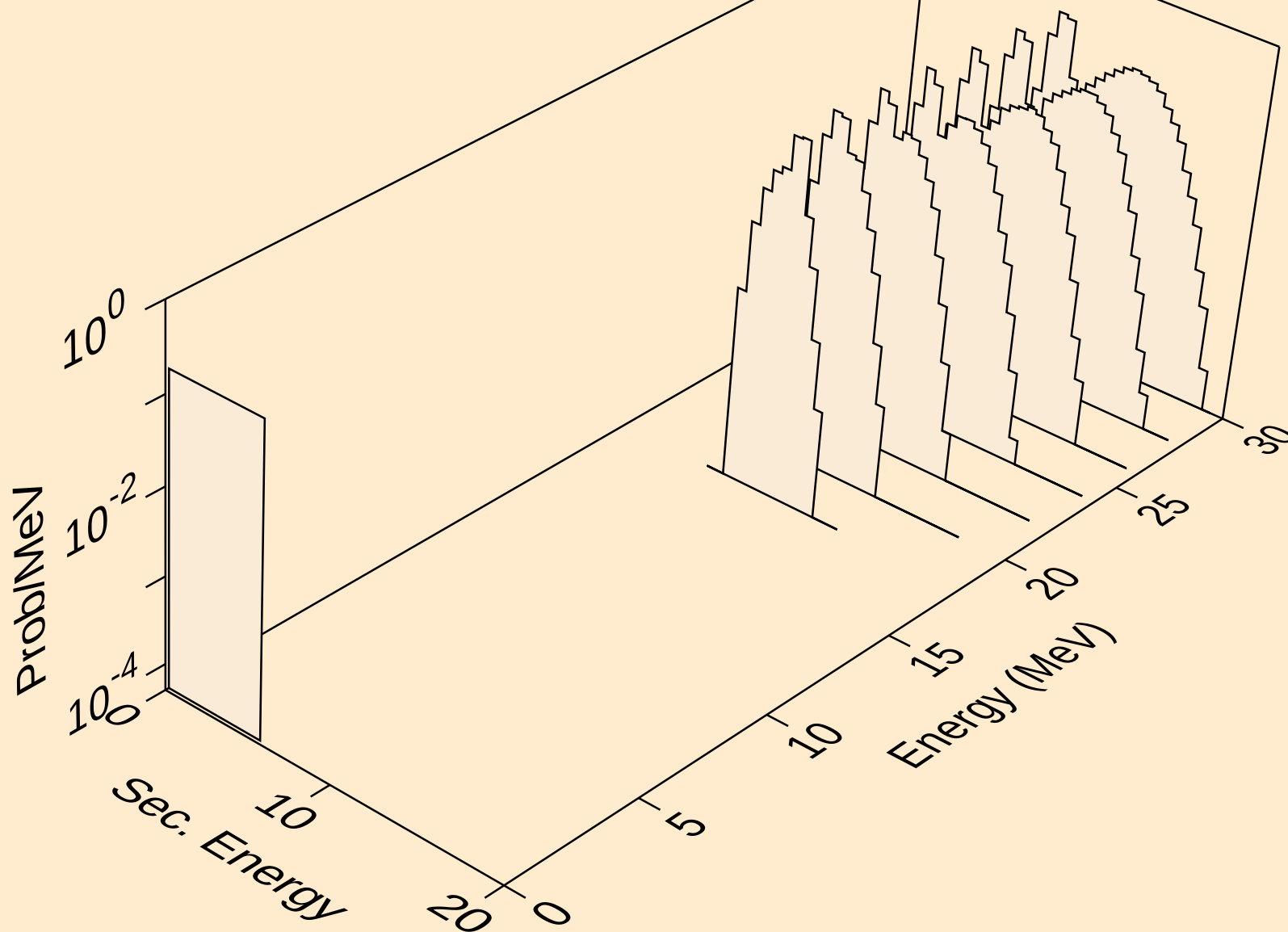
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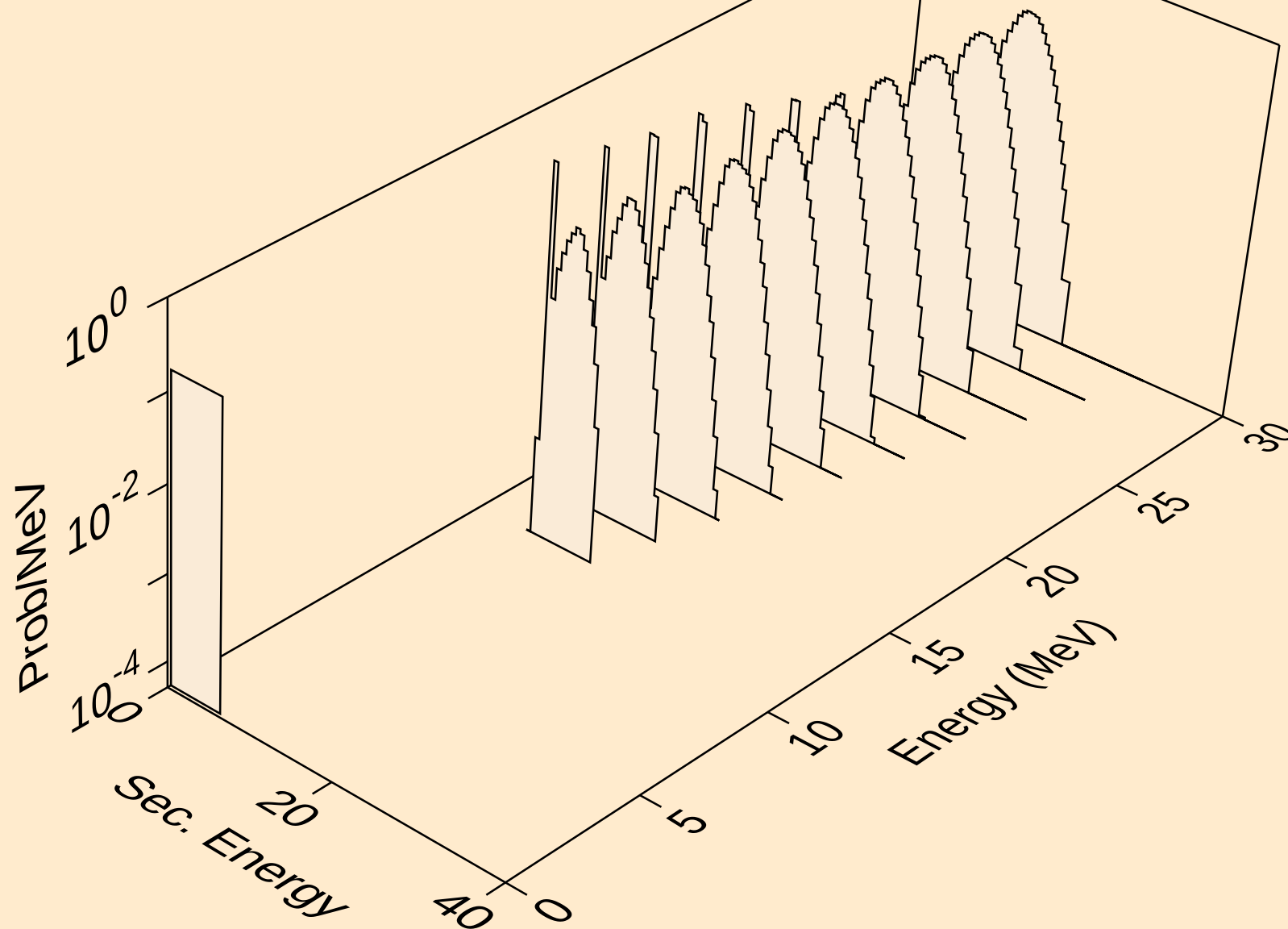
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alphas from (s,pa)



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



AU178 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

