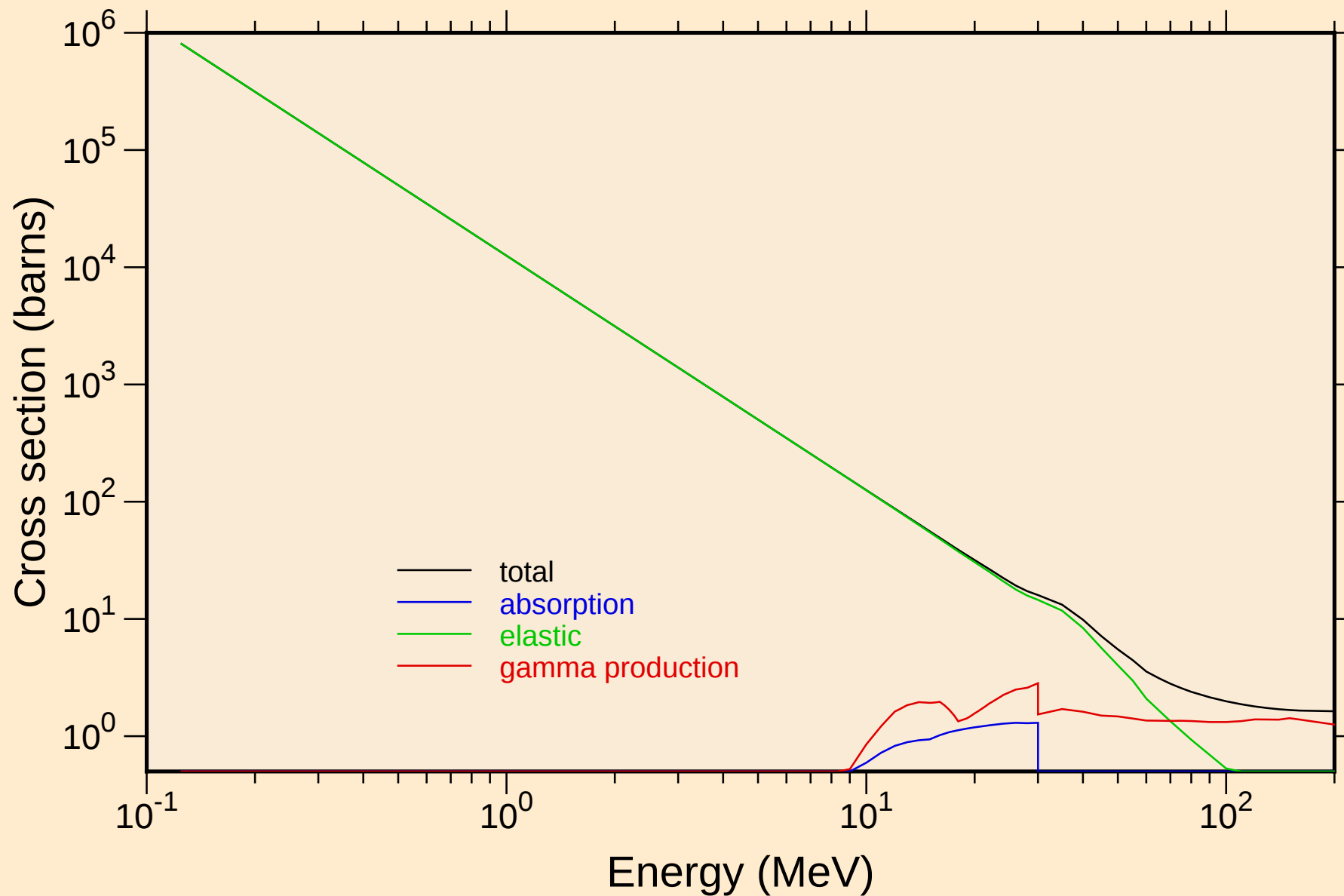


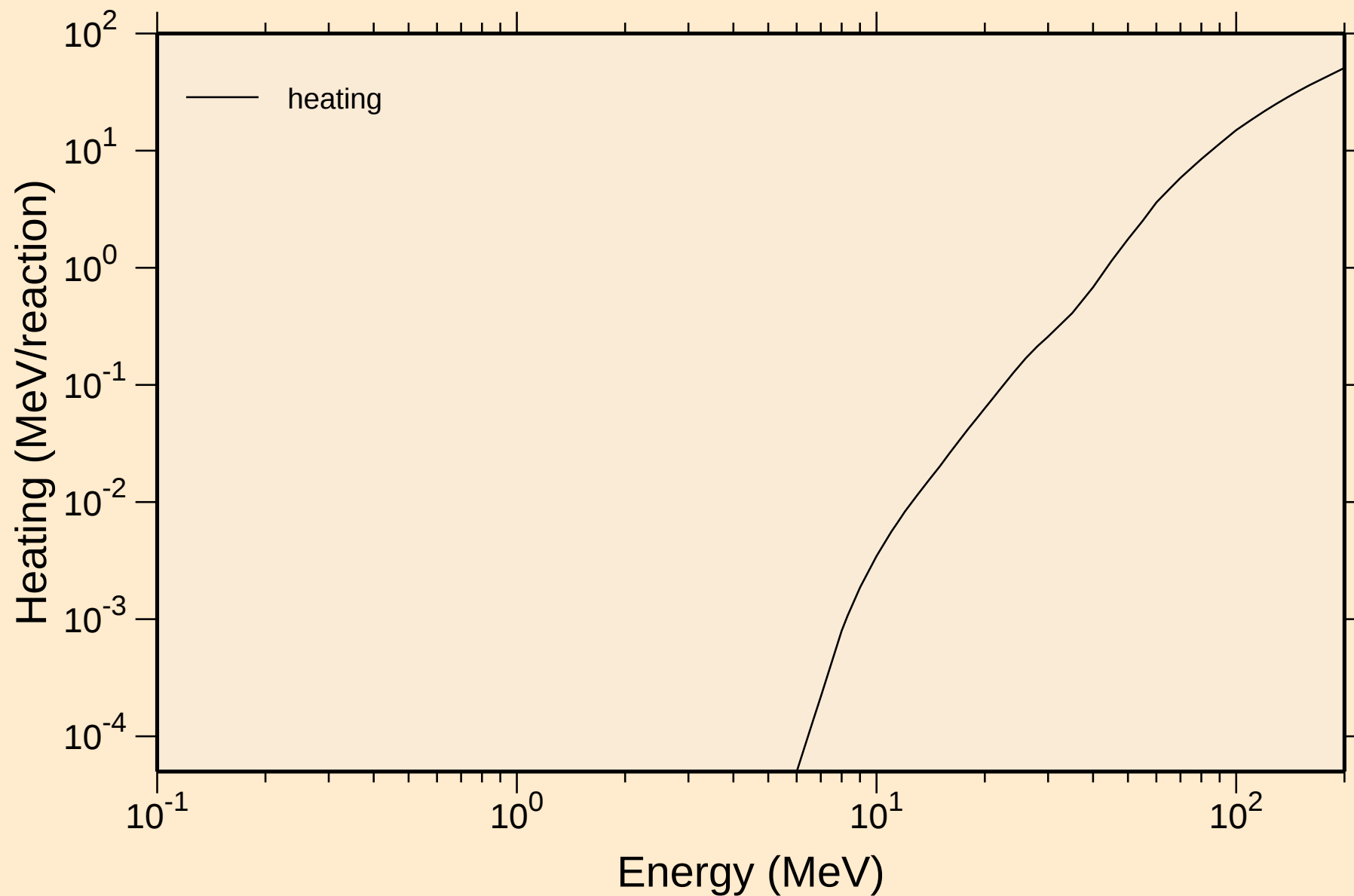
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



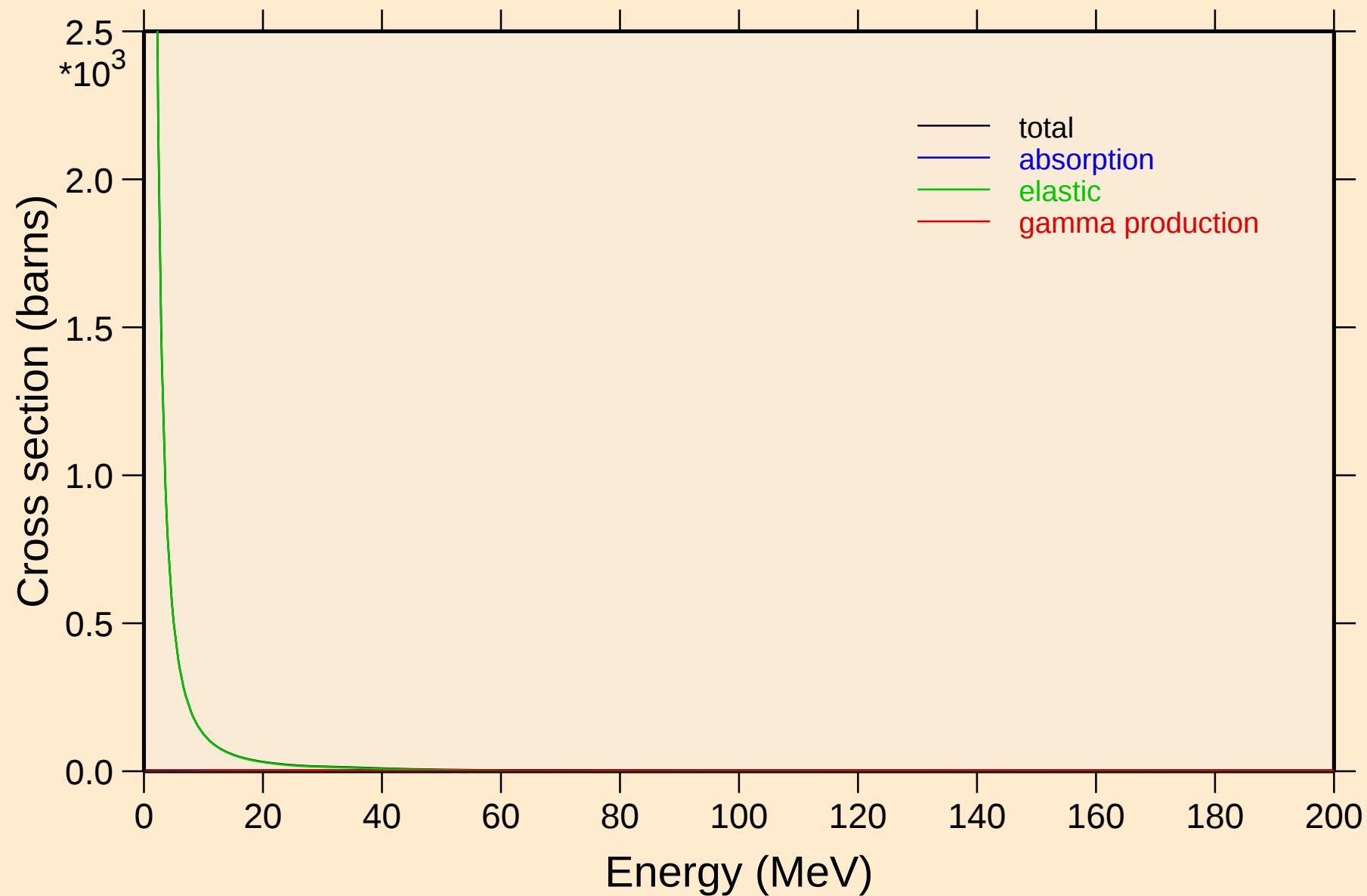
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



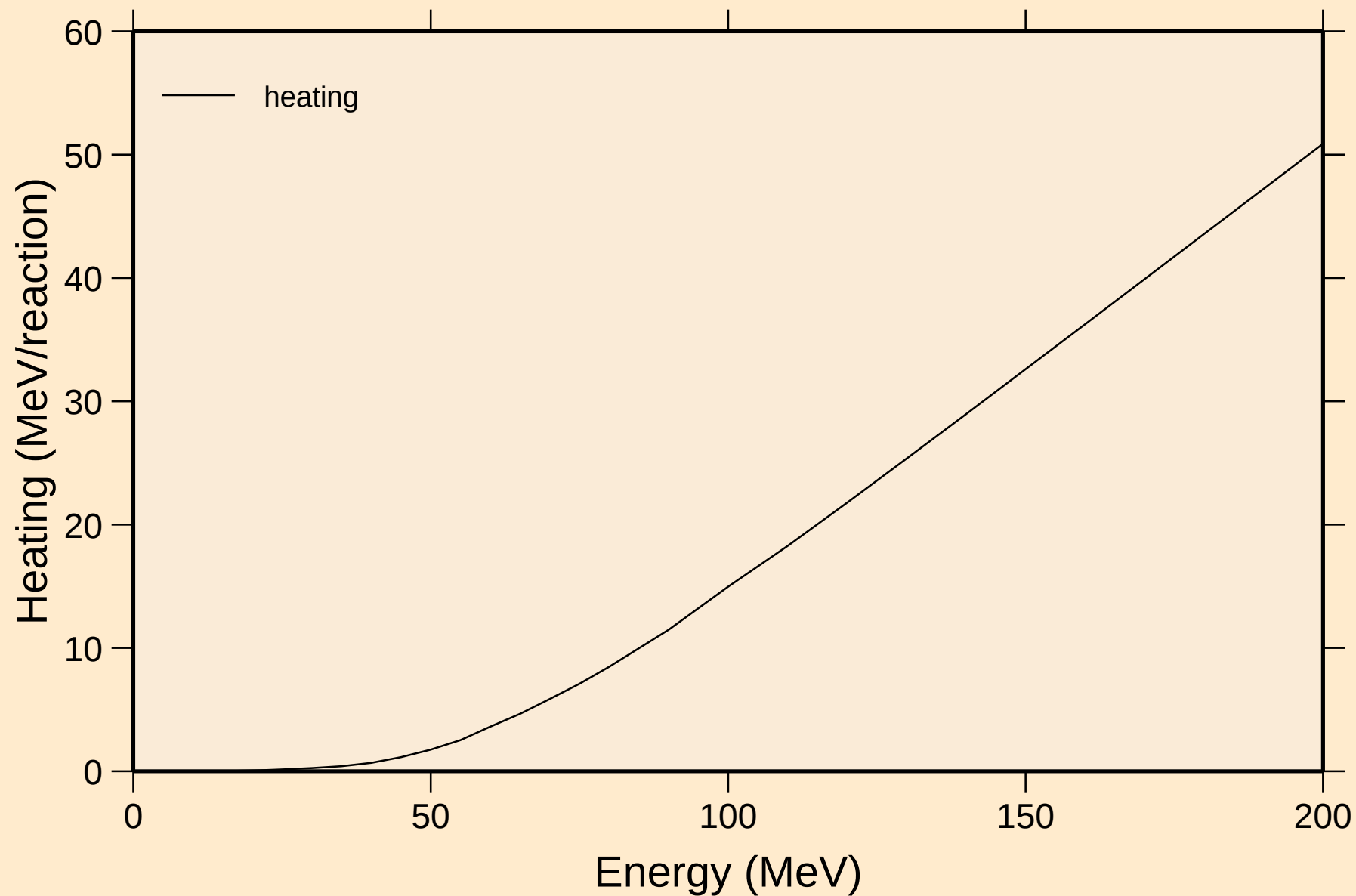
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



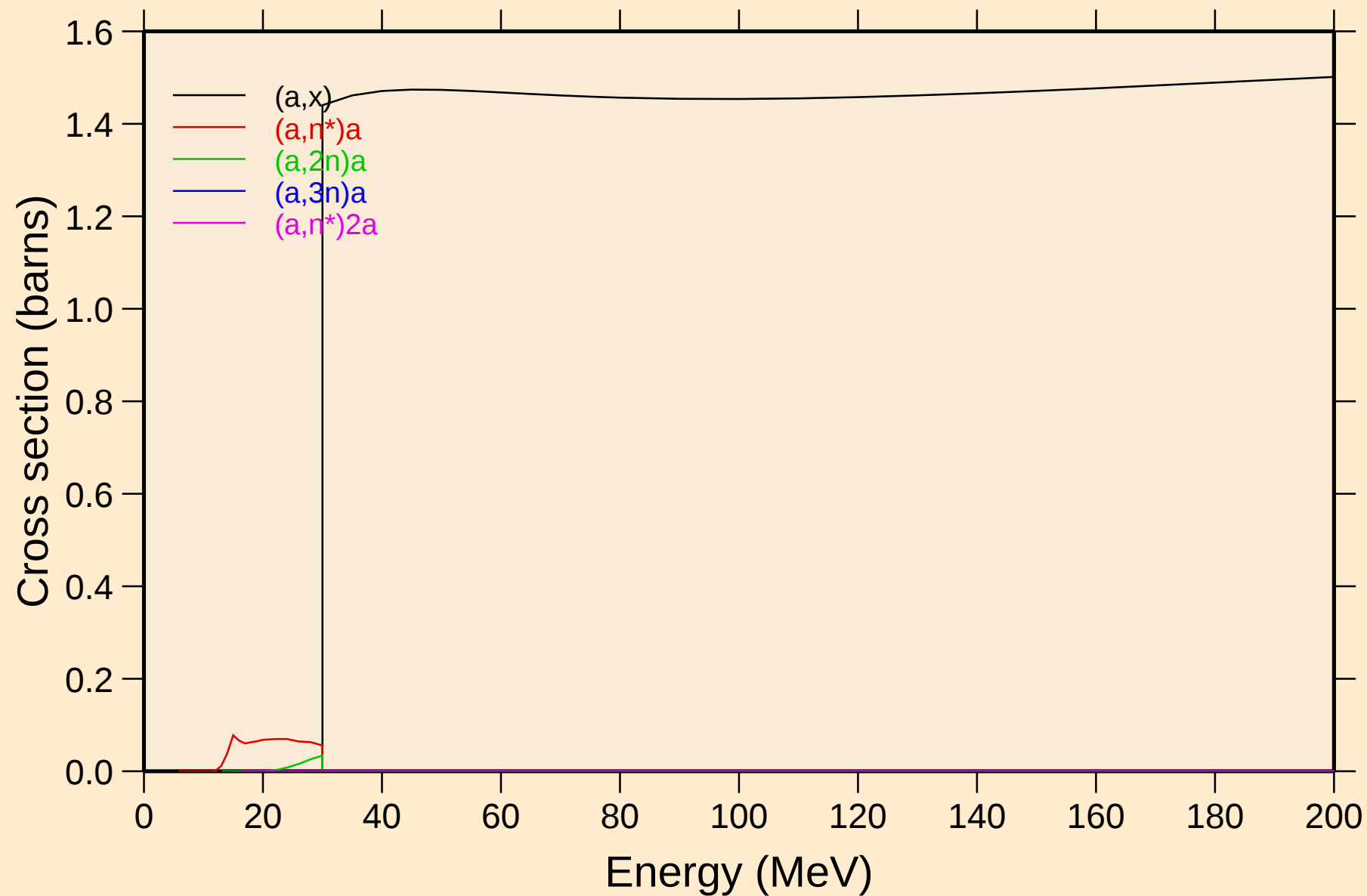
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



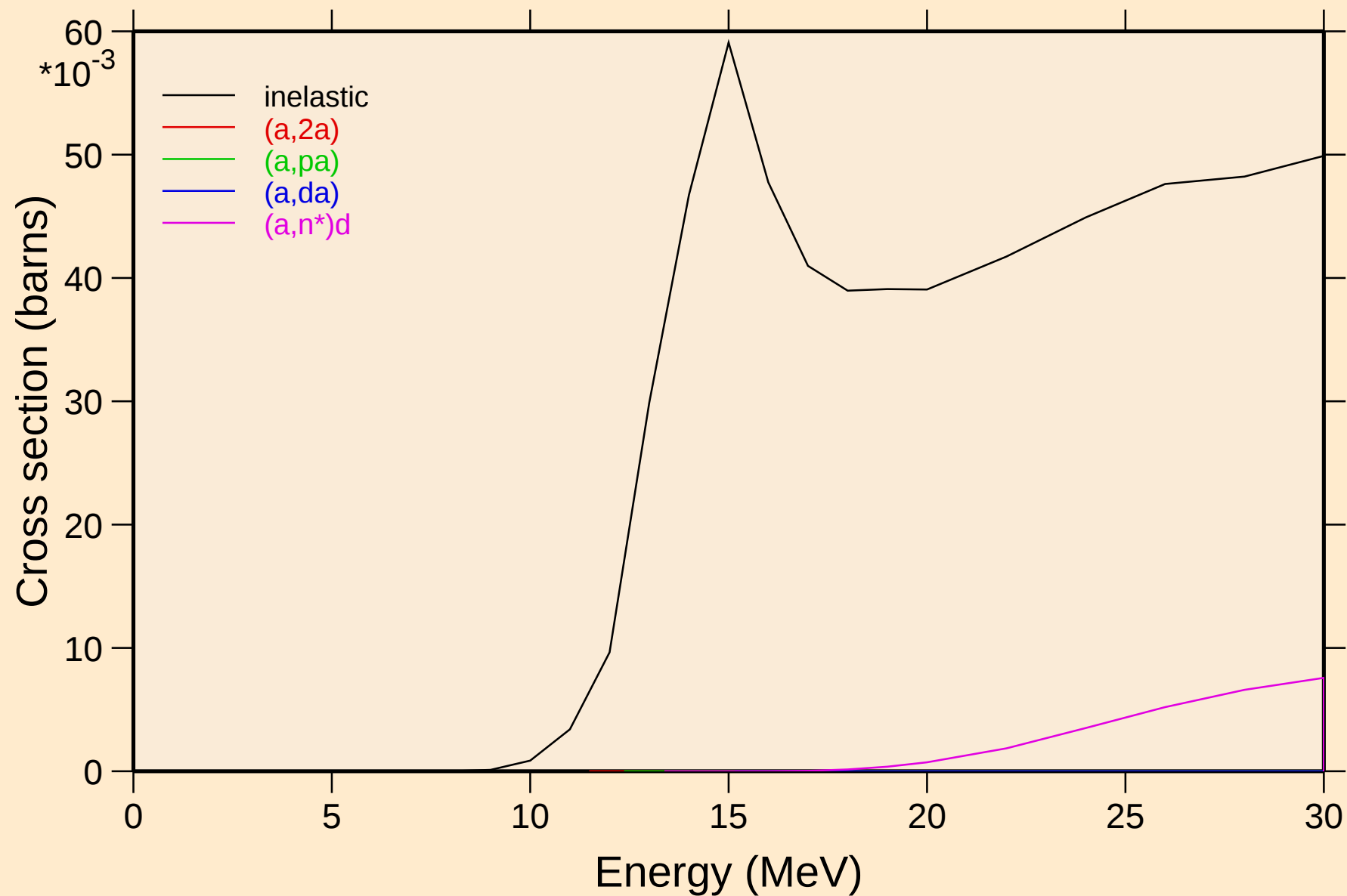
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



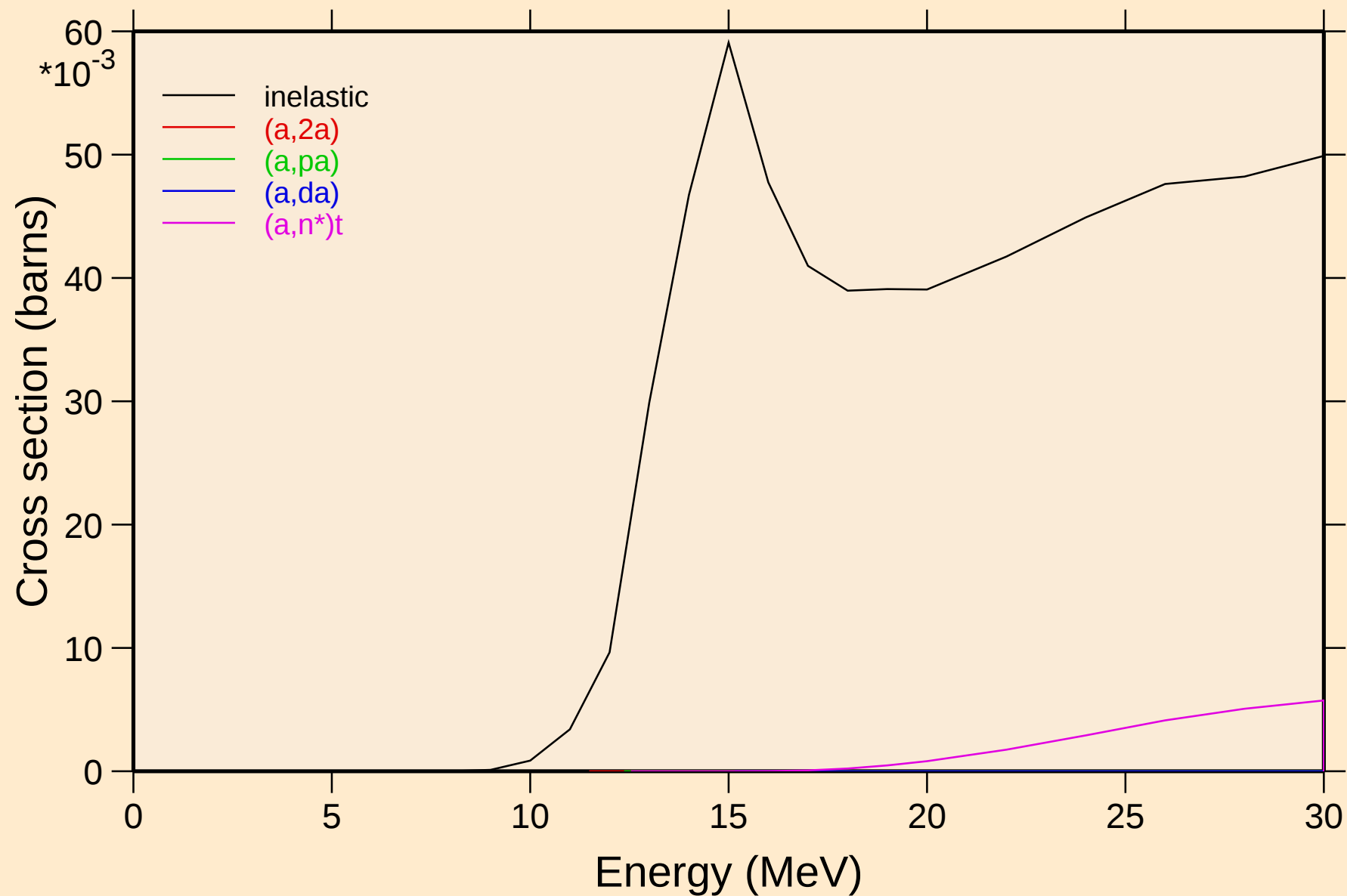
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



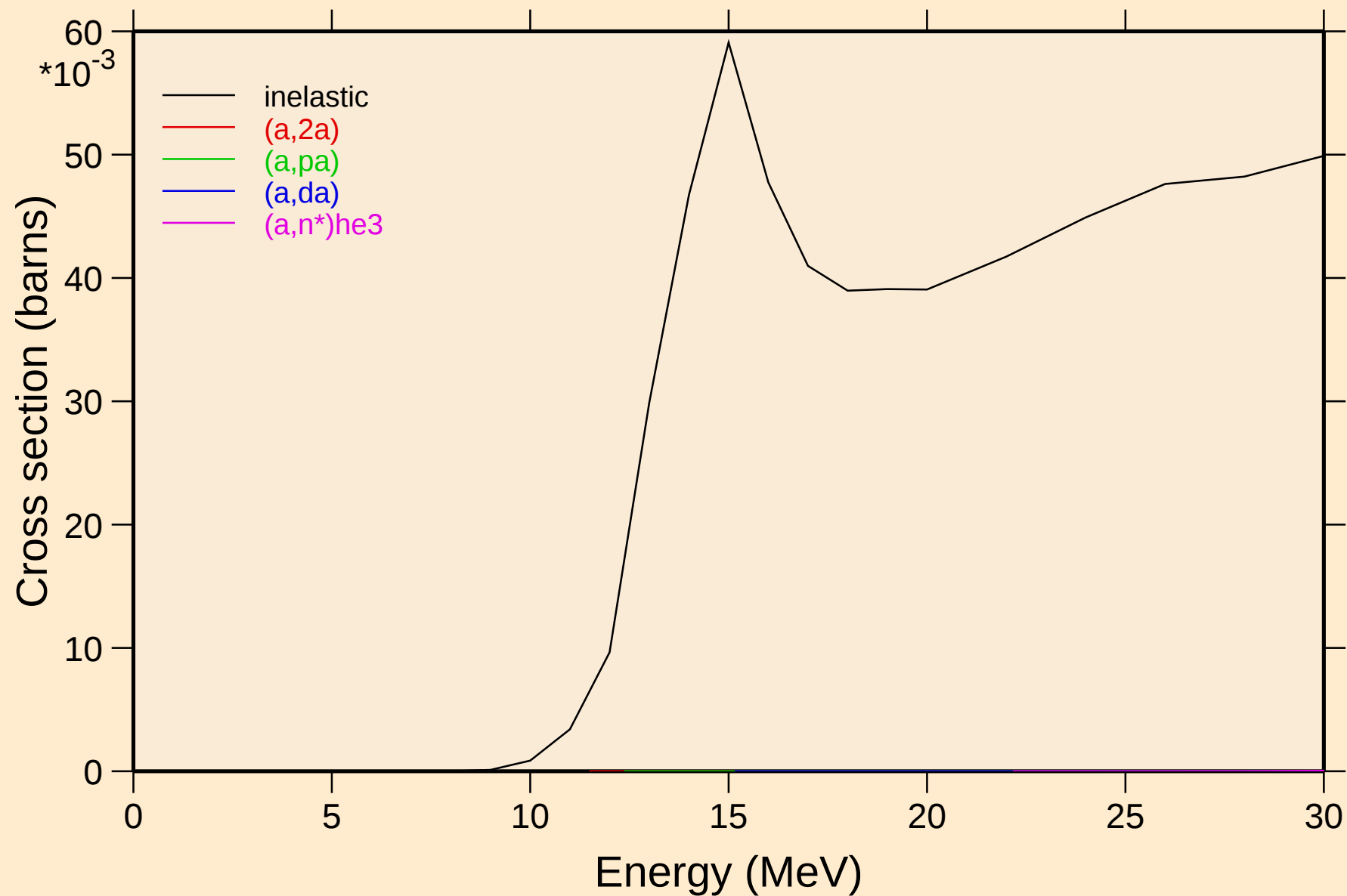
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



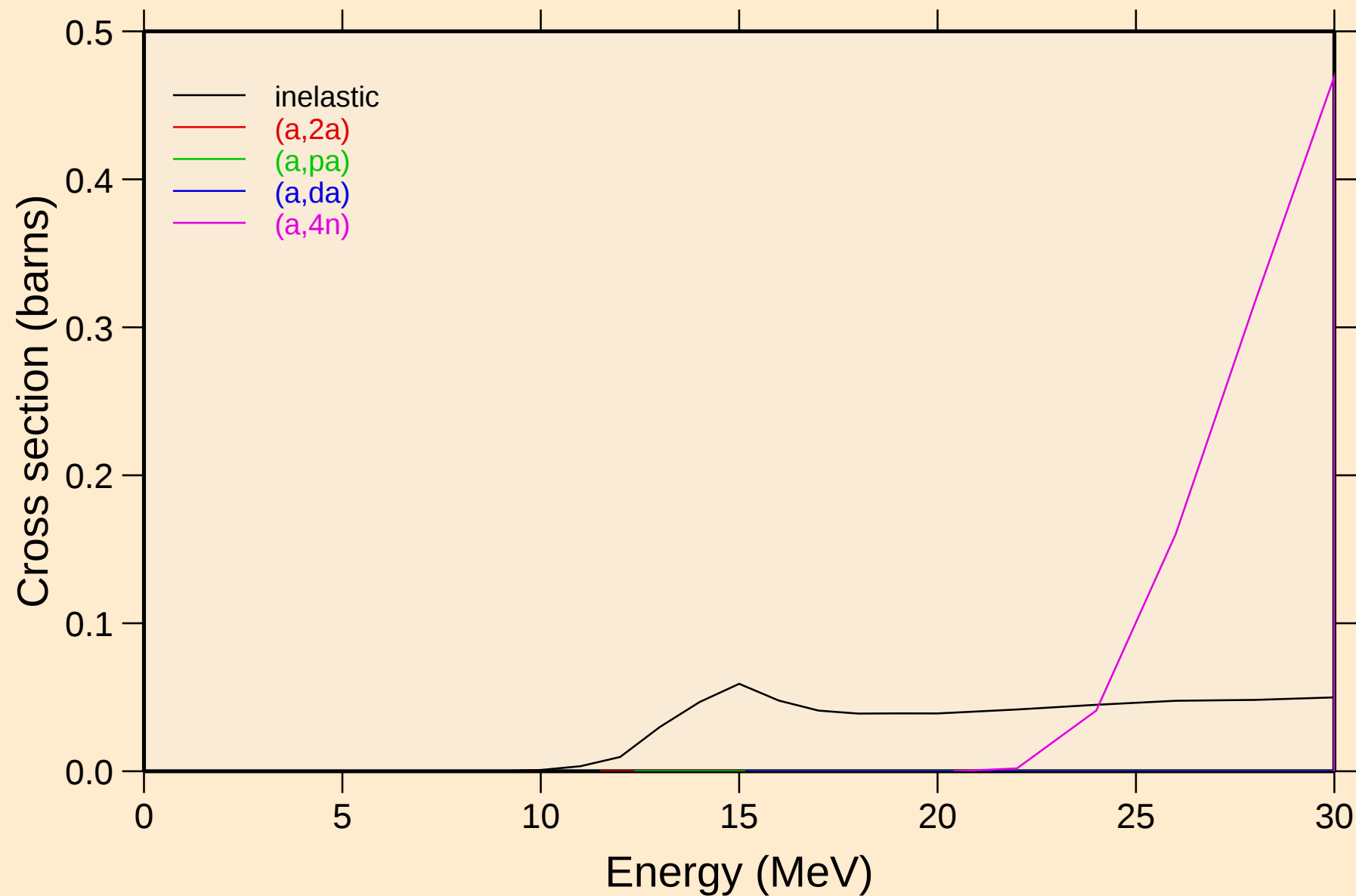
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



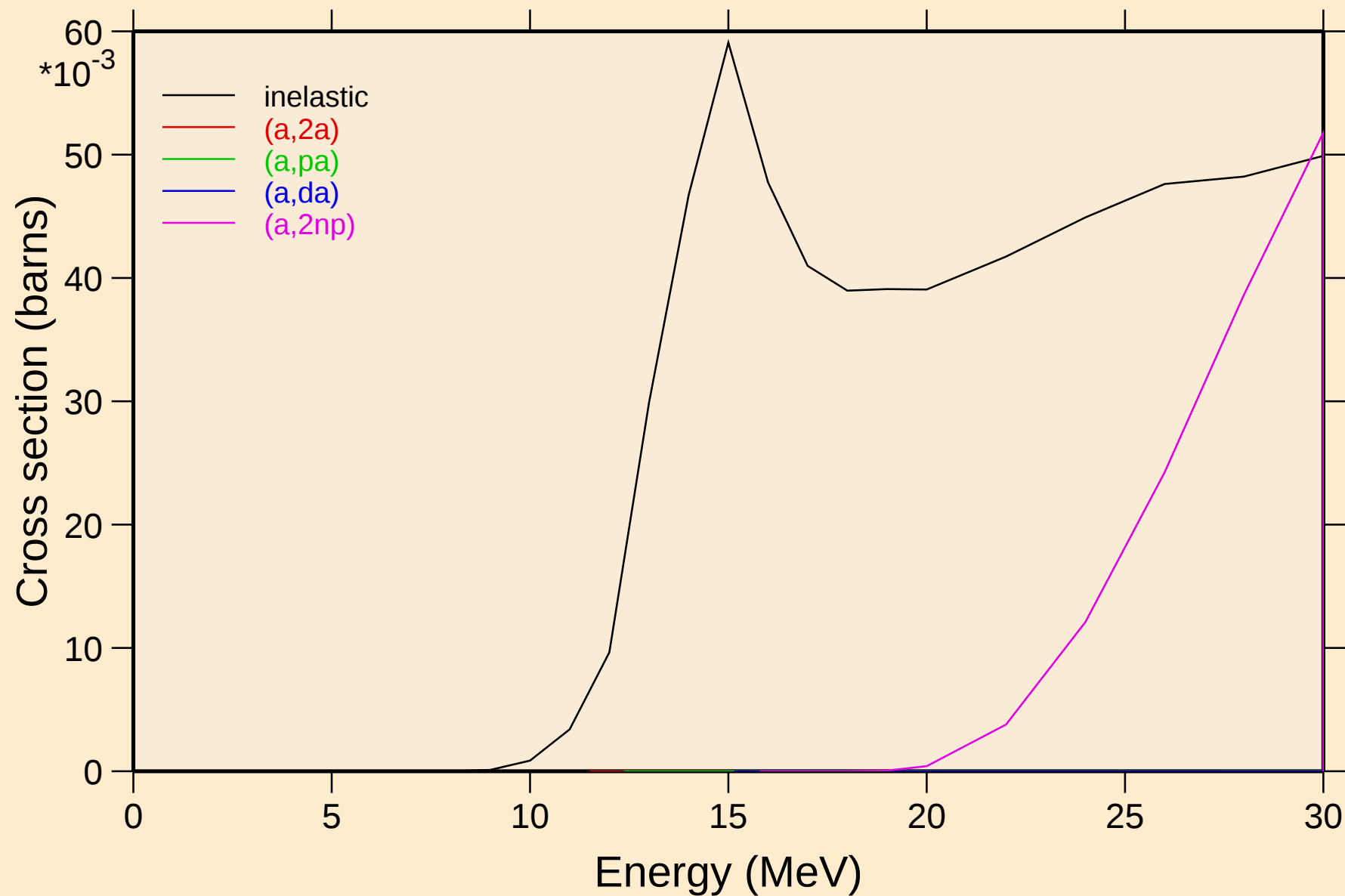
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



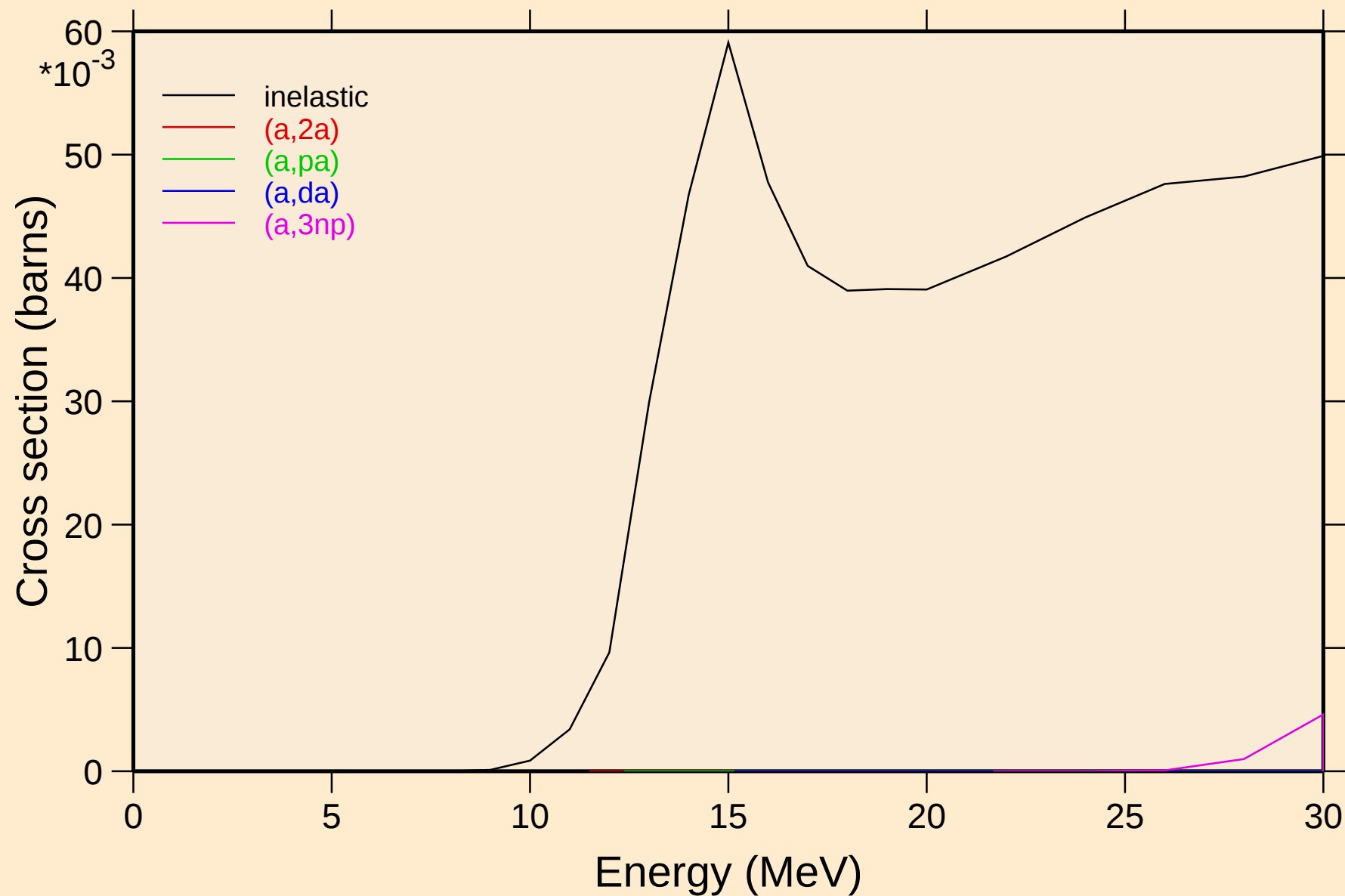
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## Threshold reactions



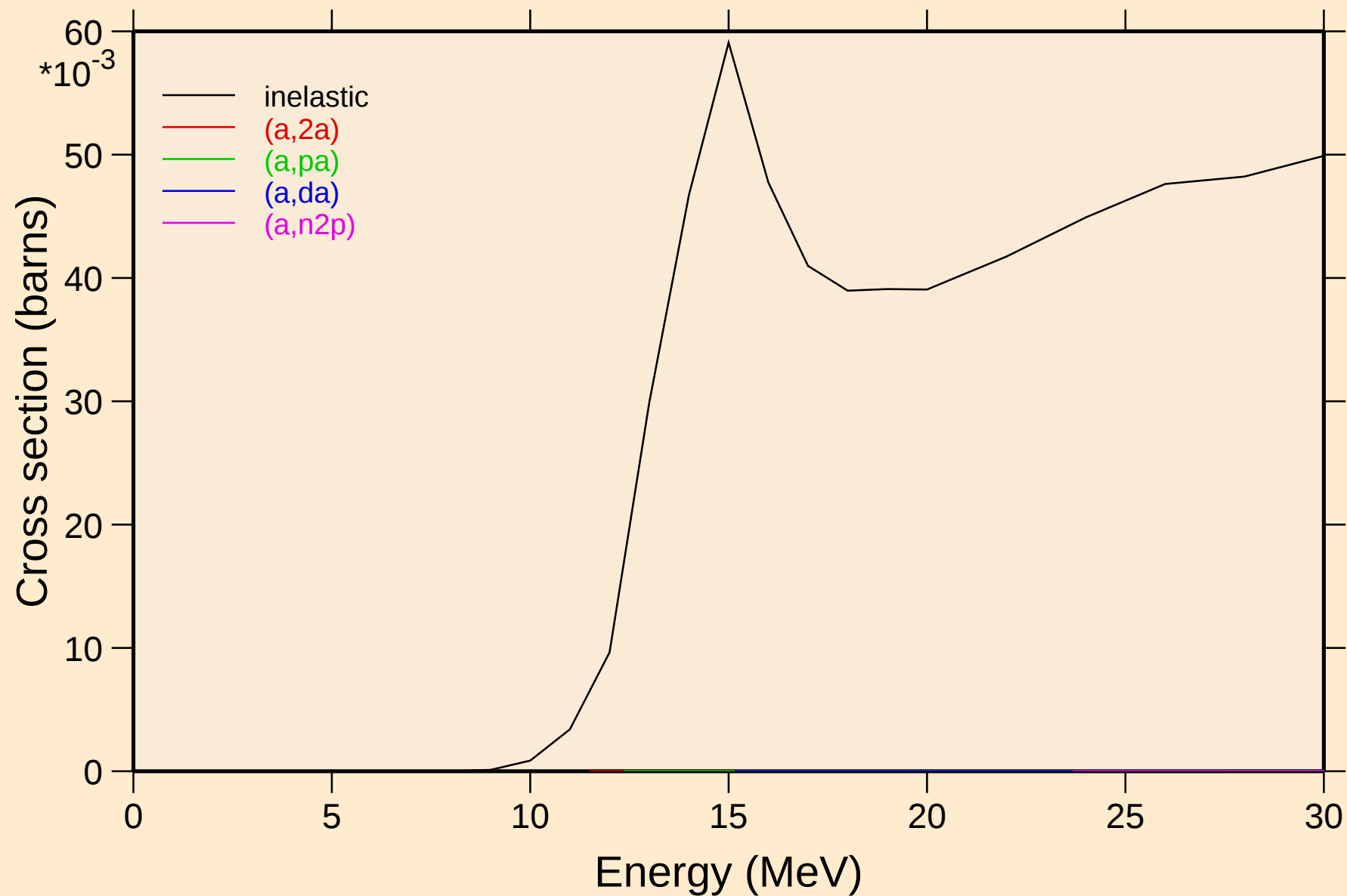
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



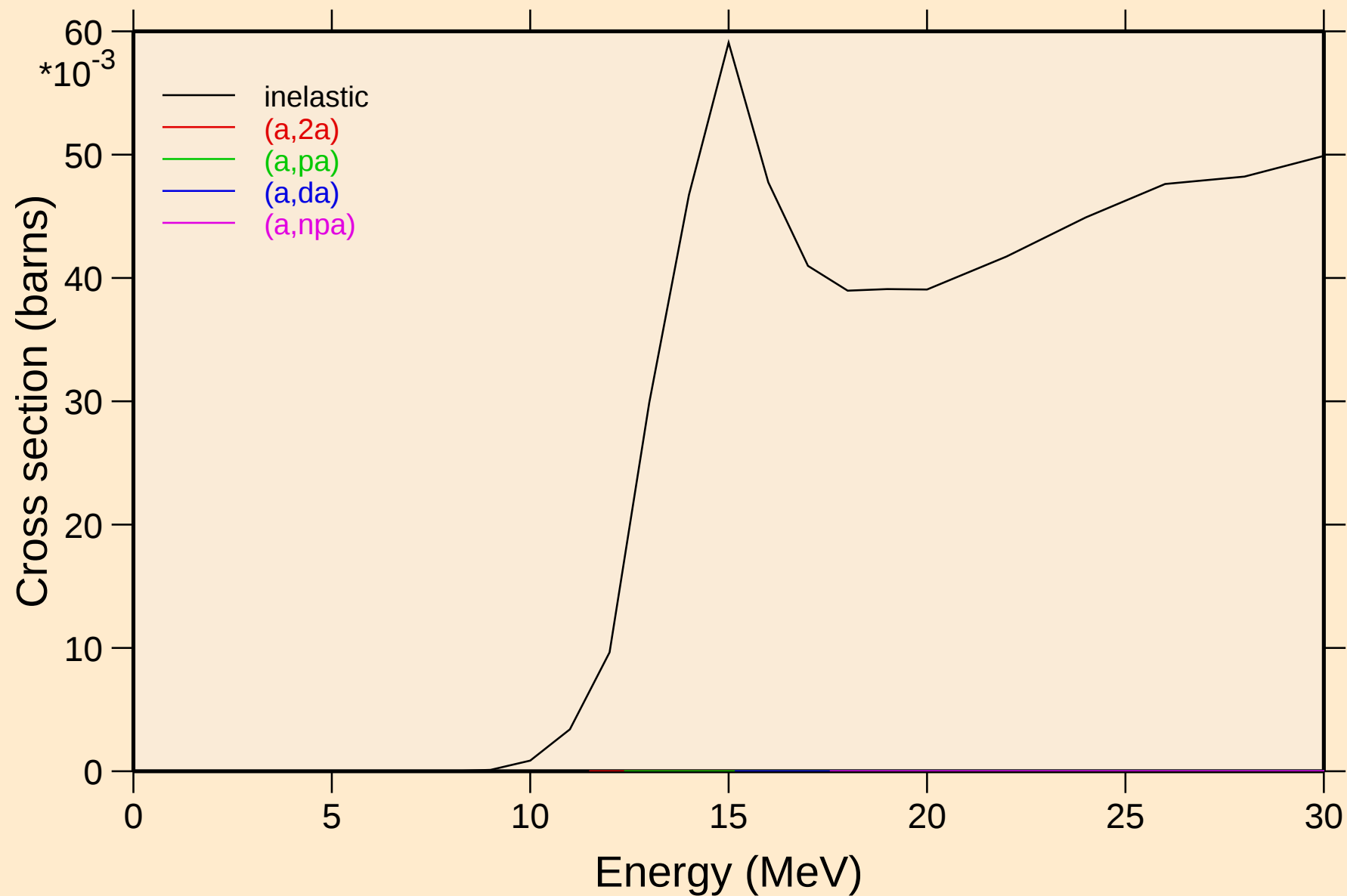
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



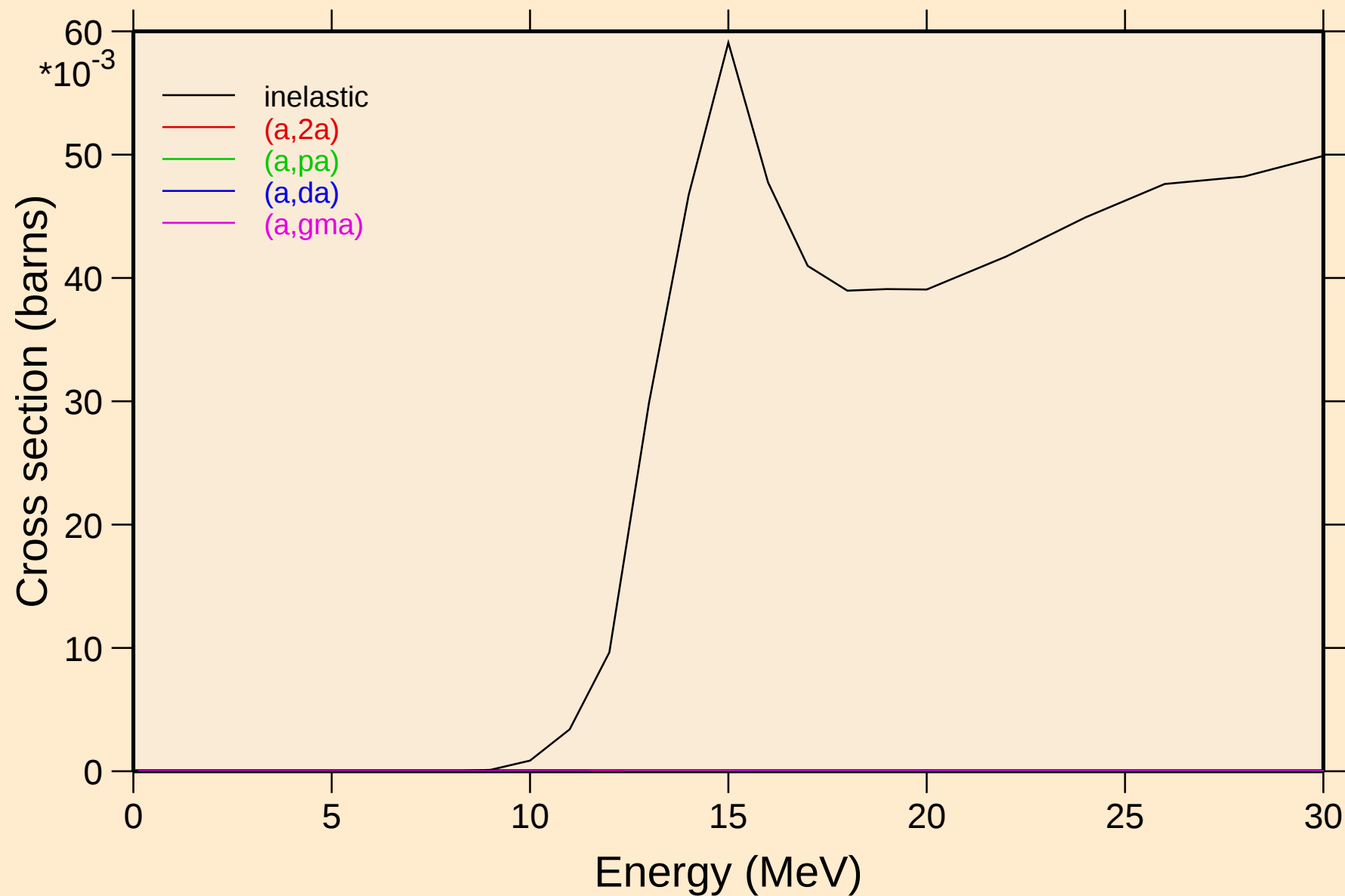
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## Threshold reactions



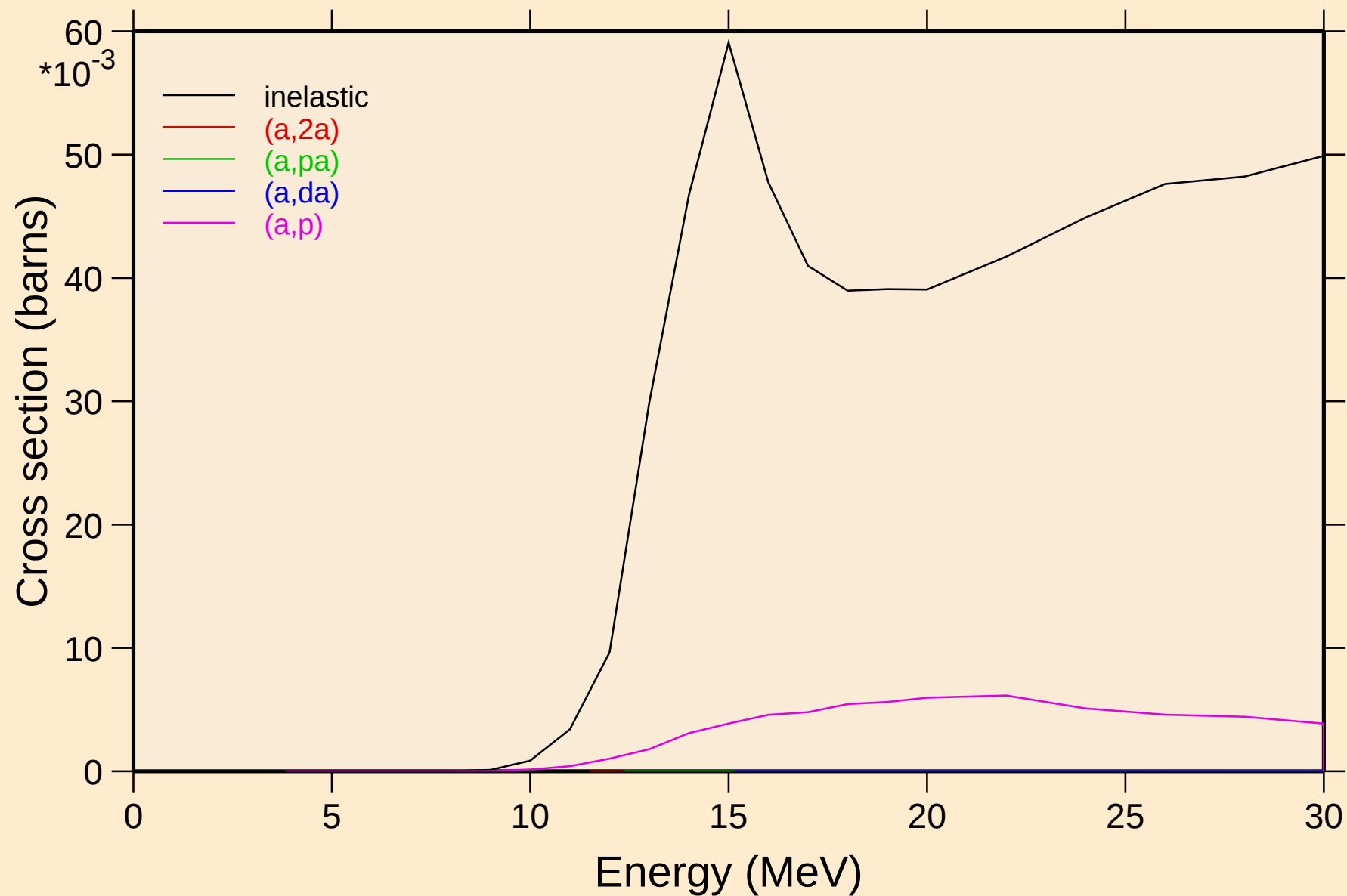
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



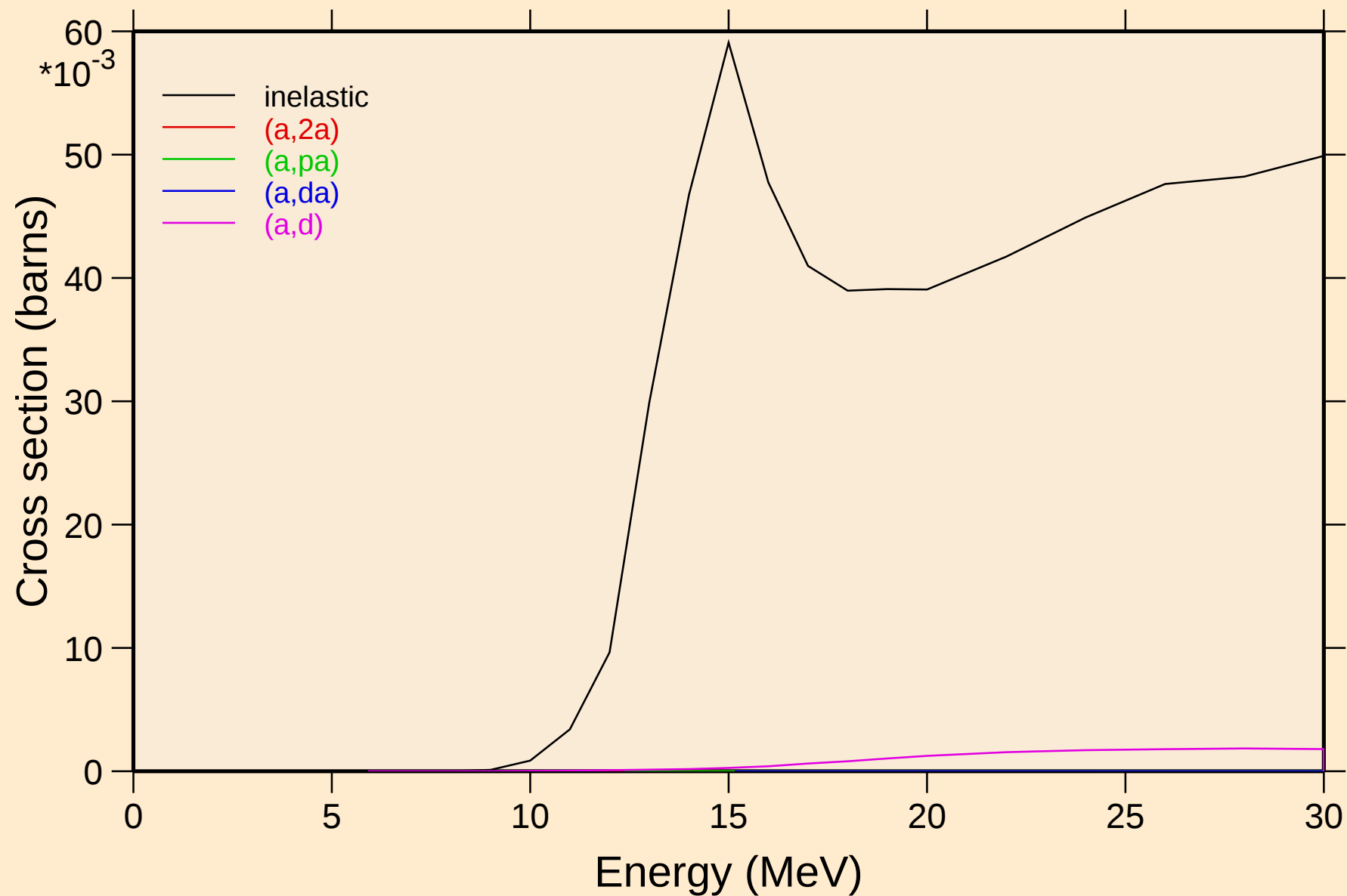
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



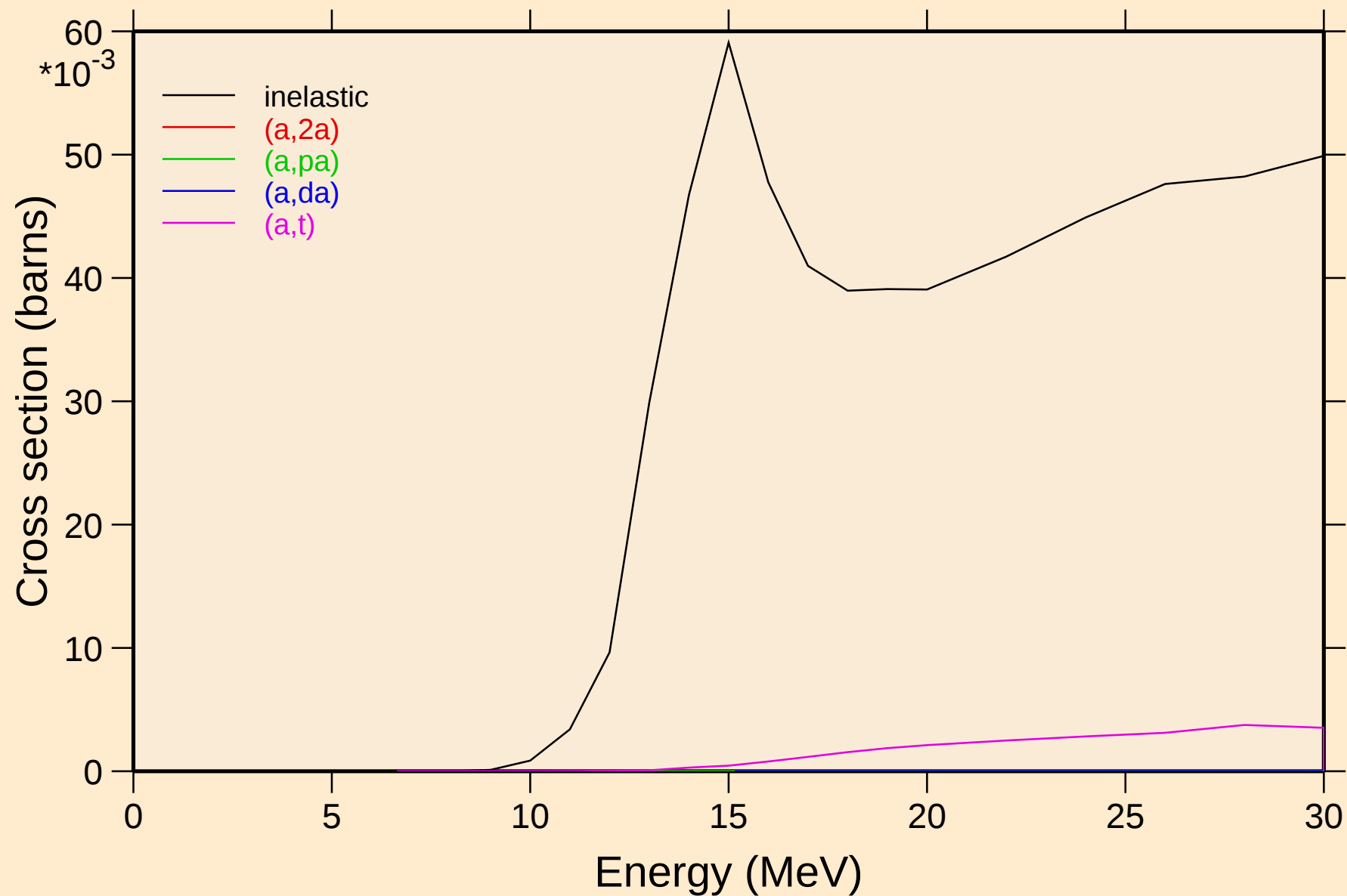
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



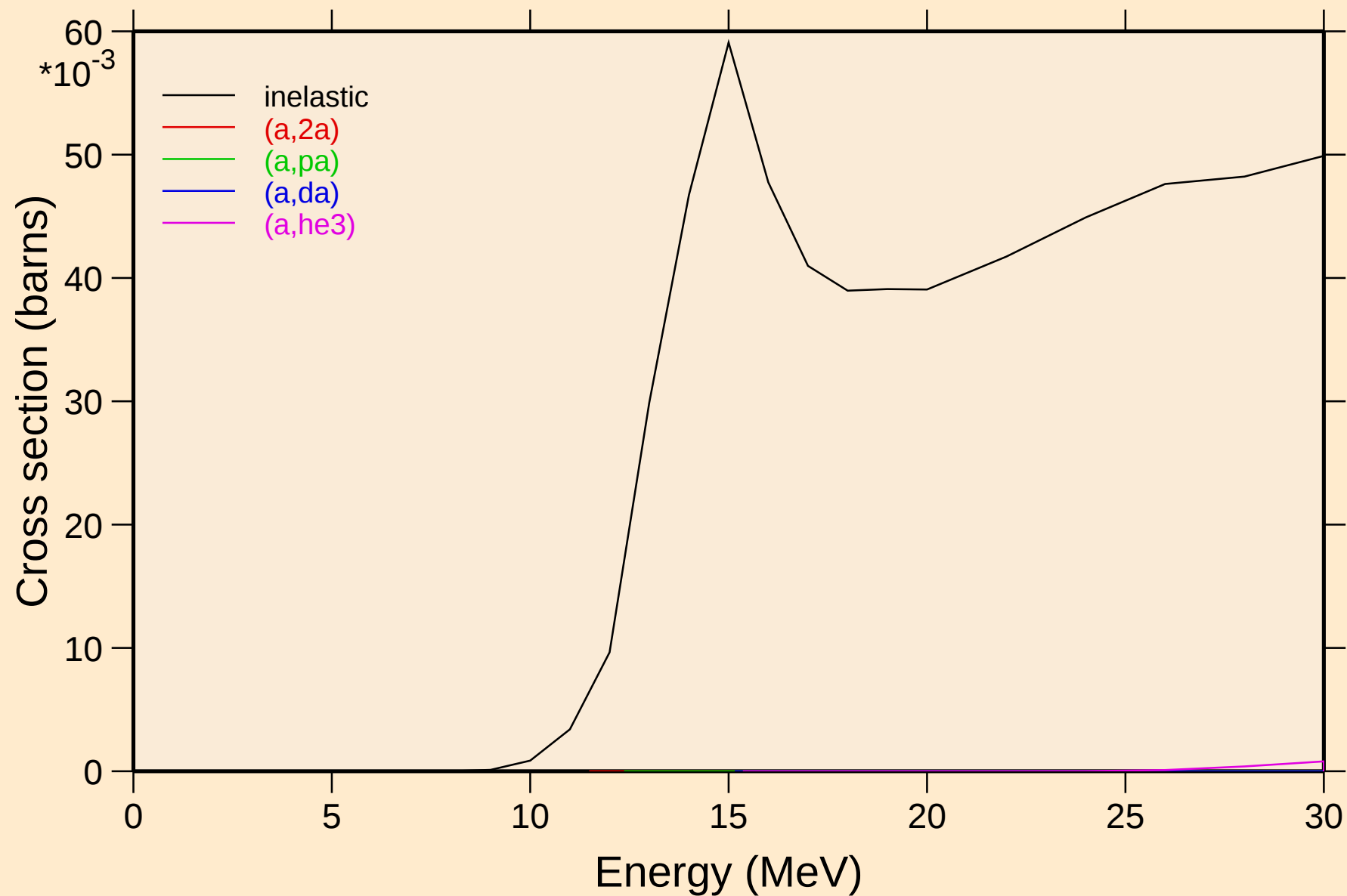
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



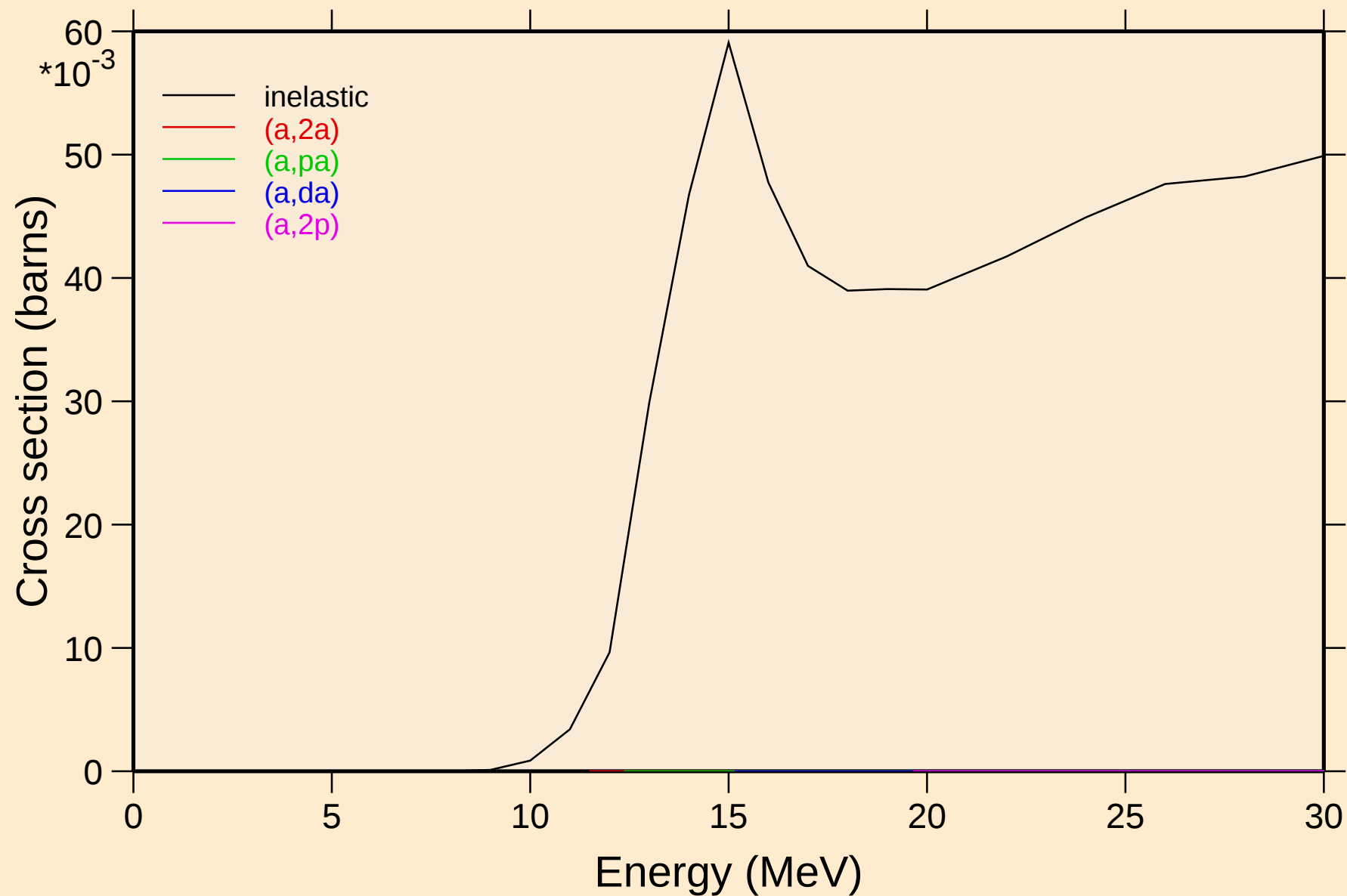
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



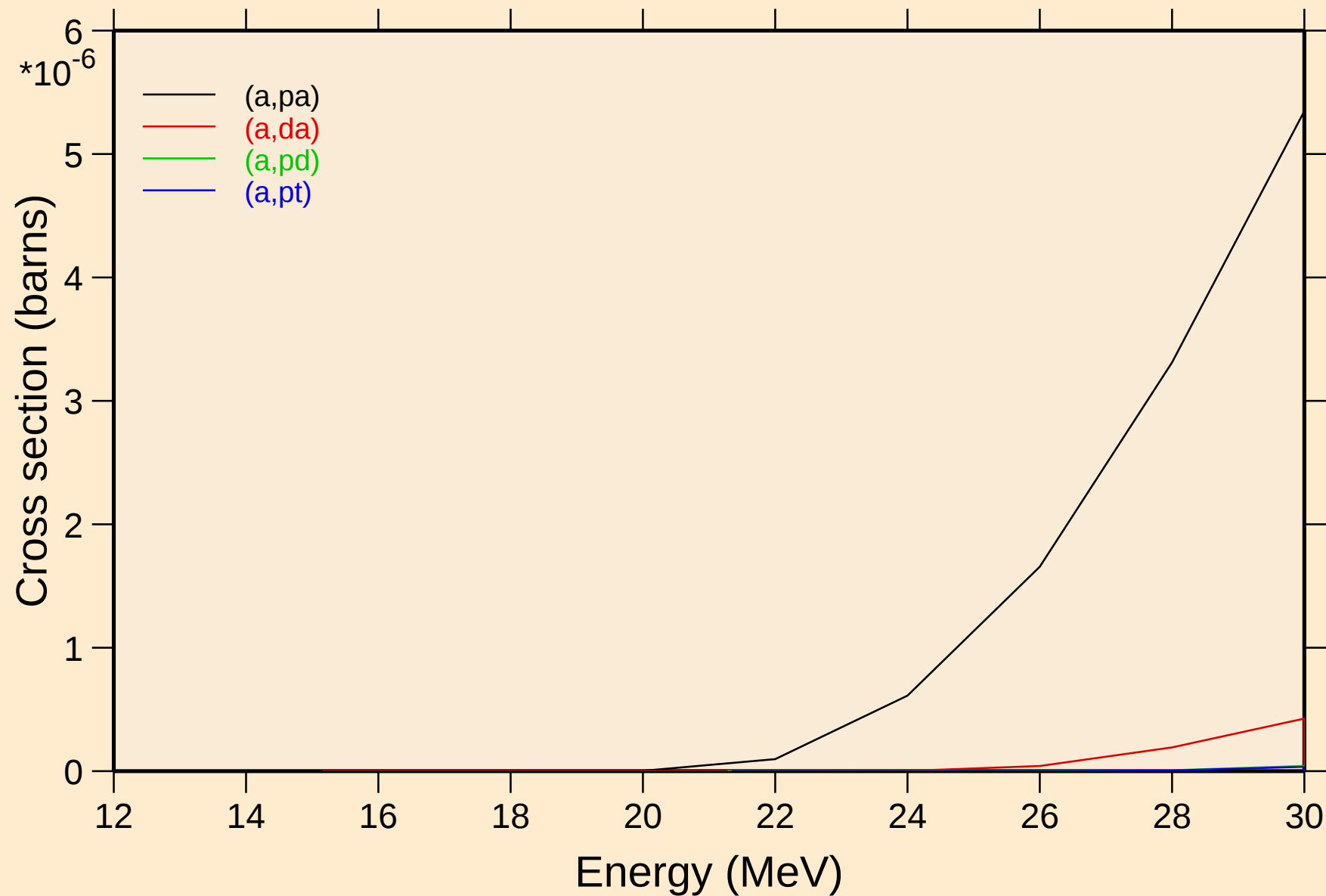
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



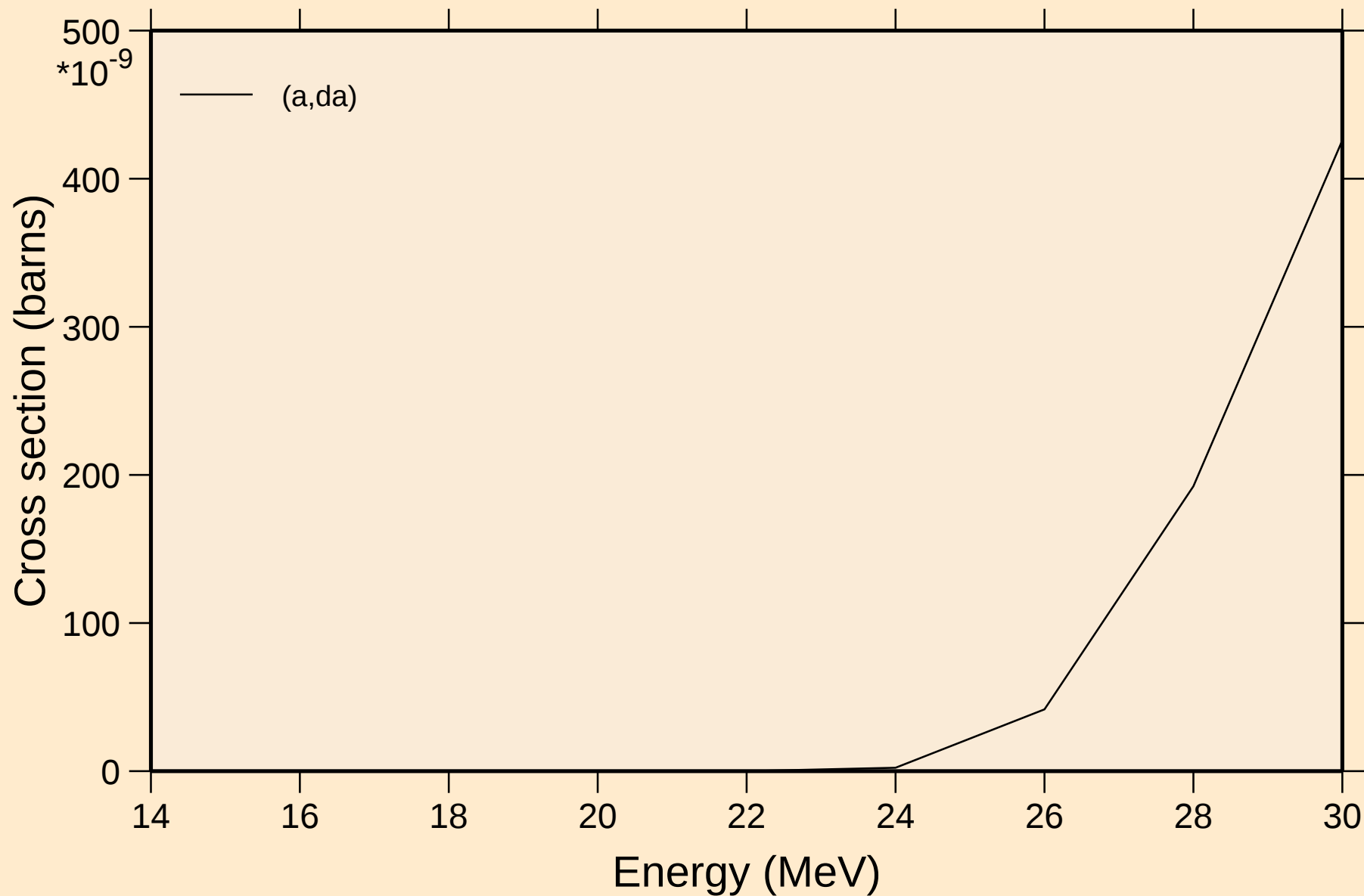
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

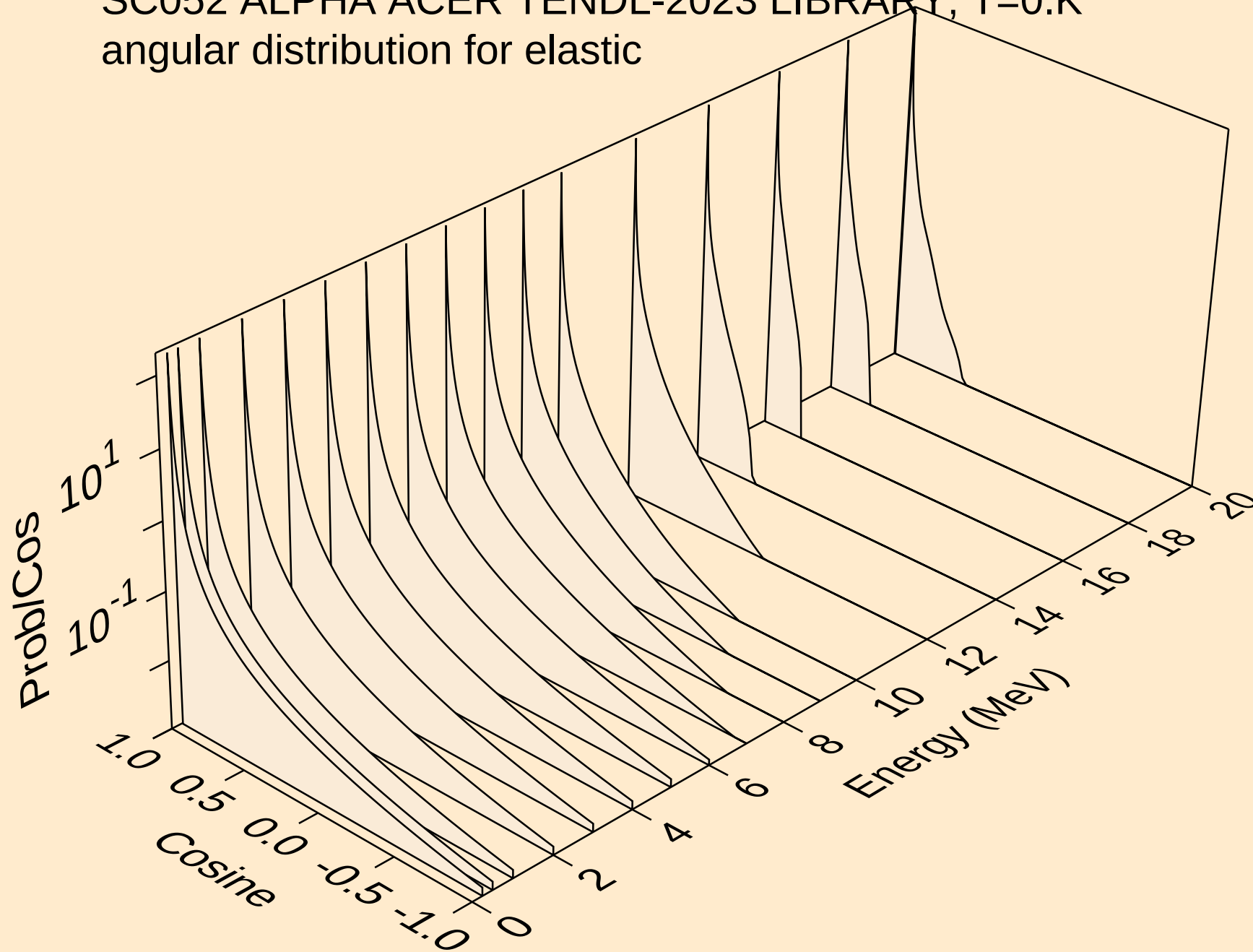


# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

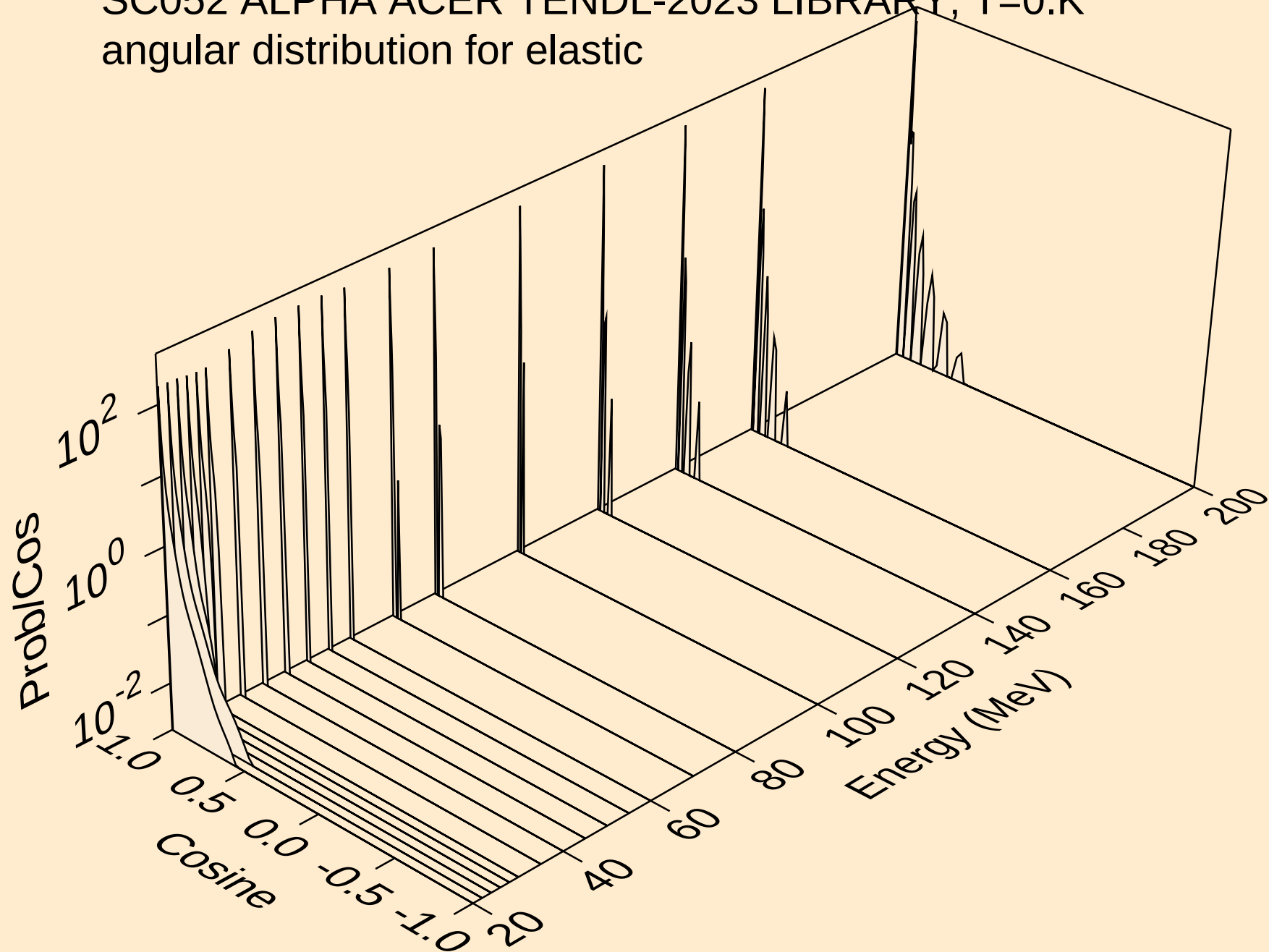
Threshold reactions



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

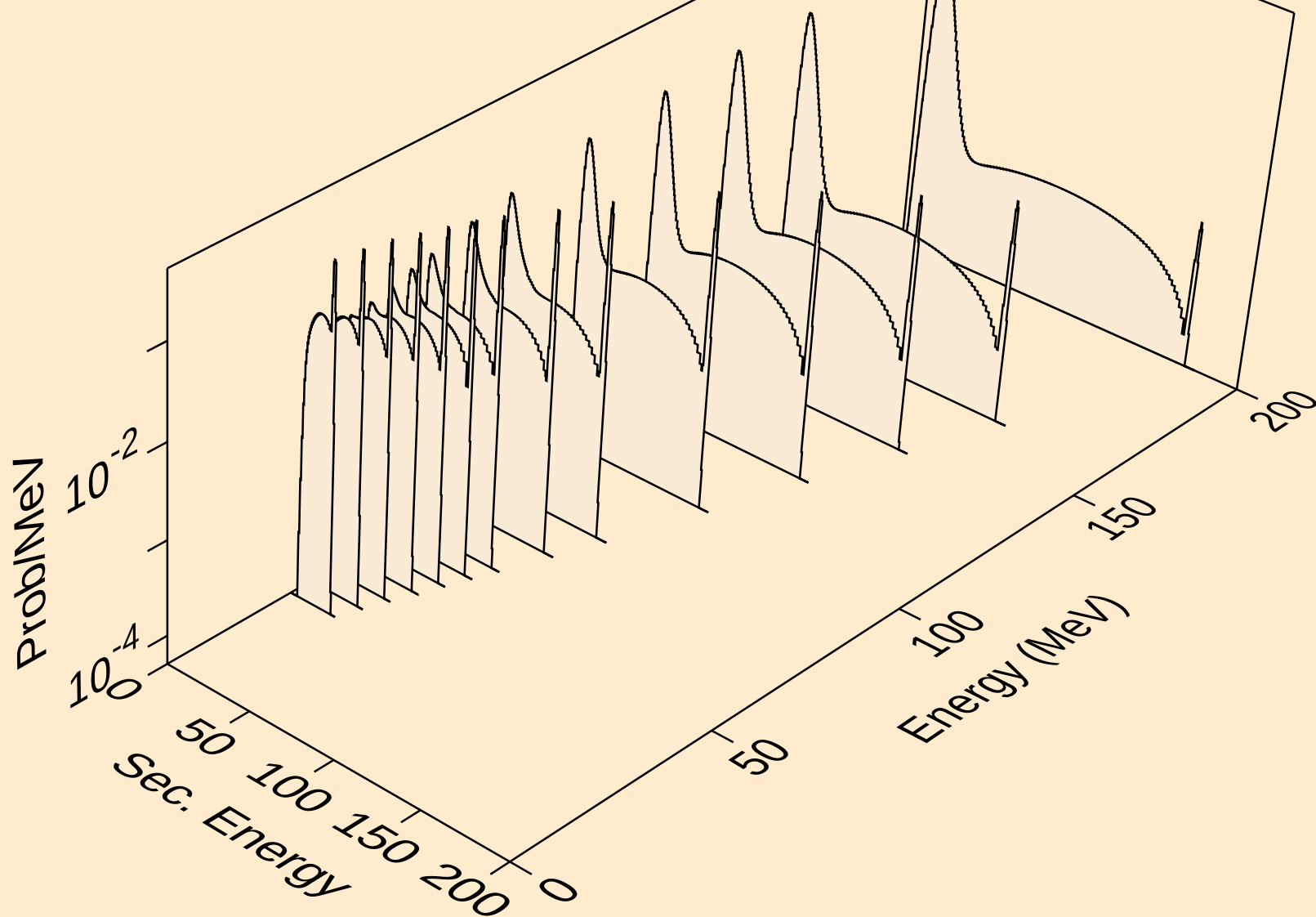


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



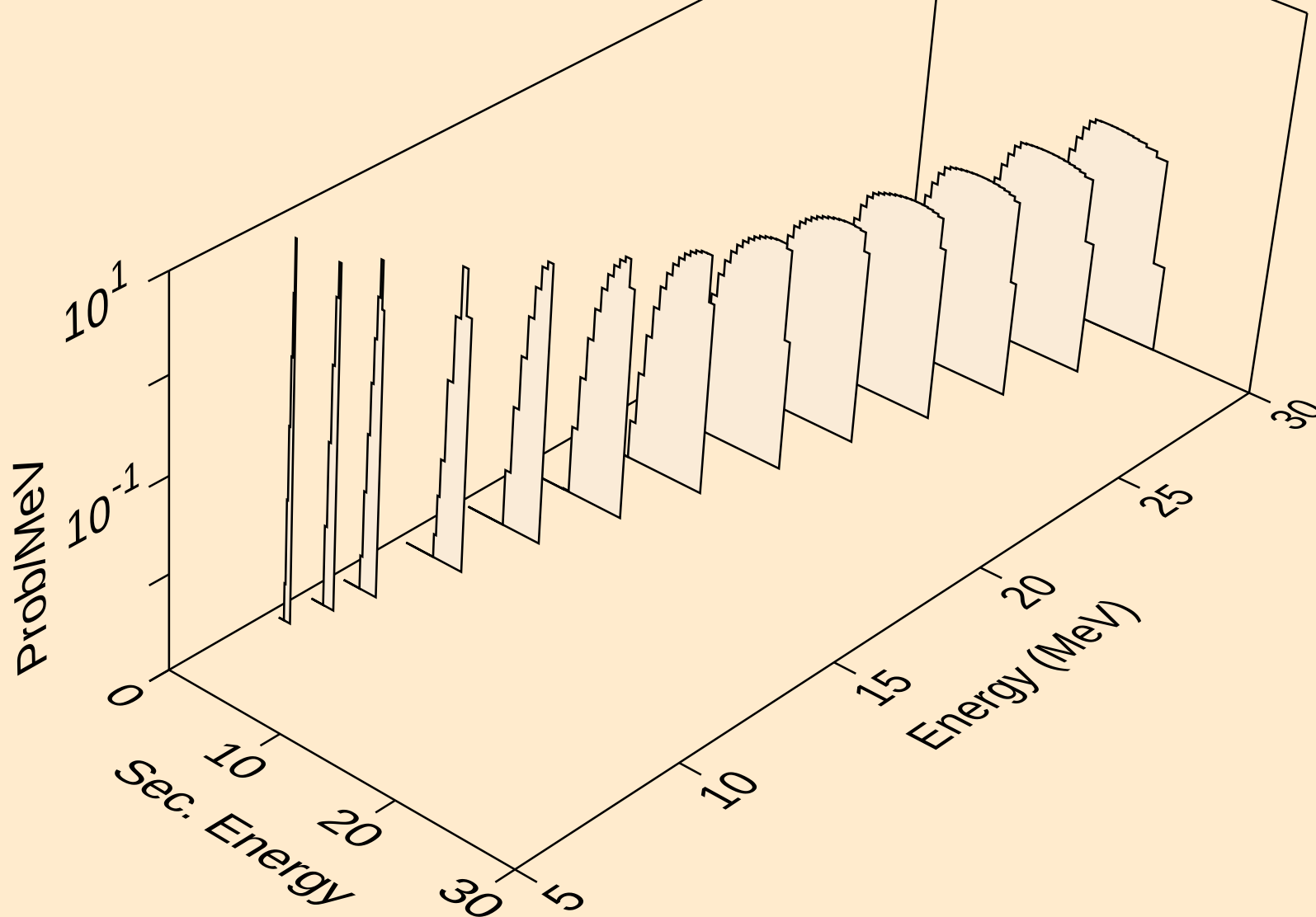
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



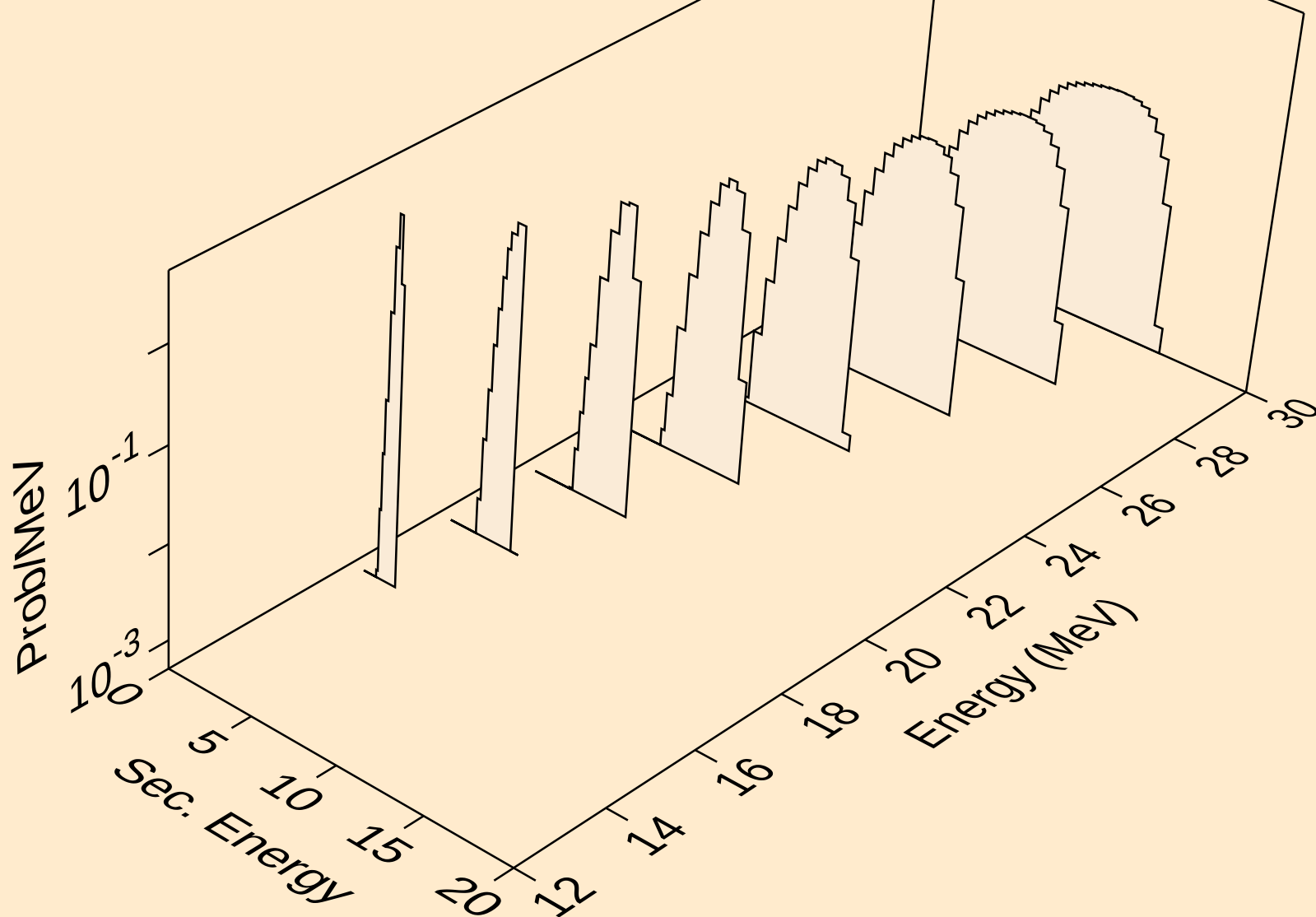
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



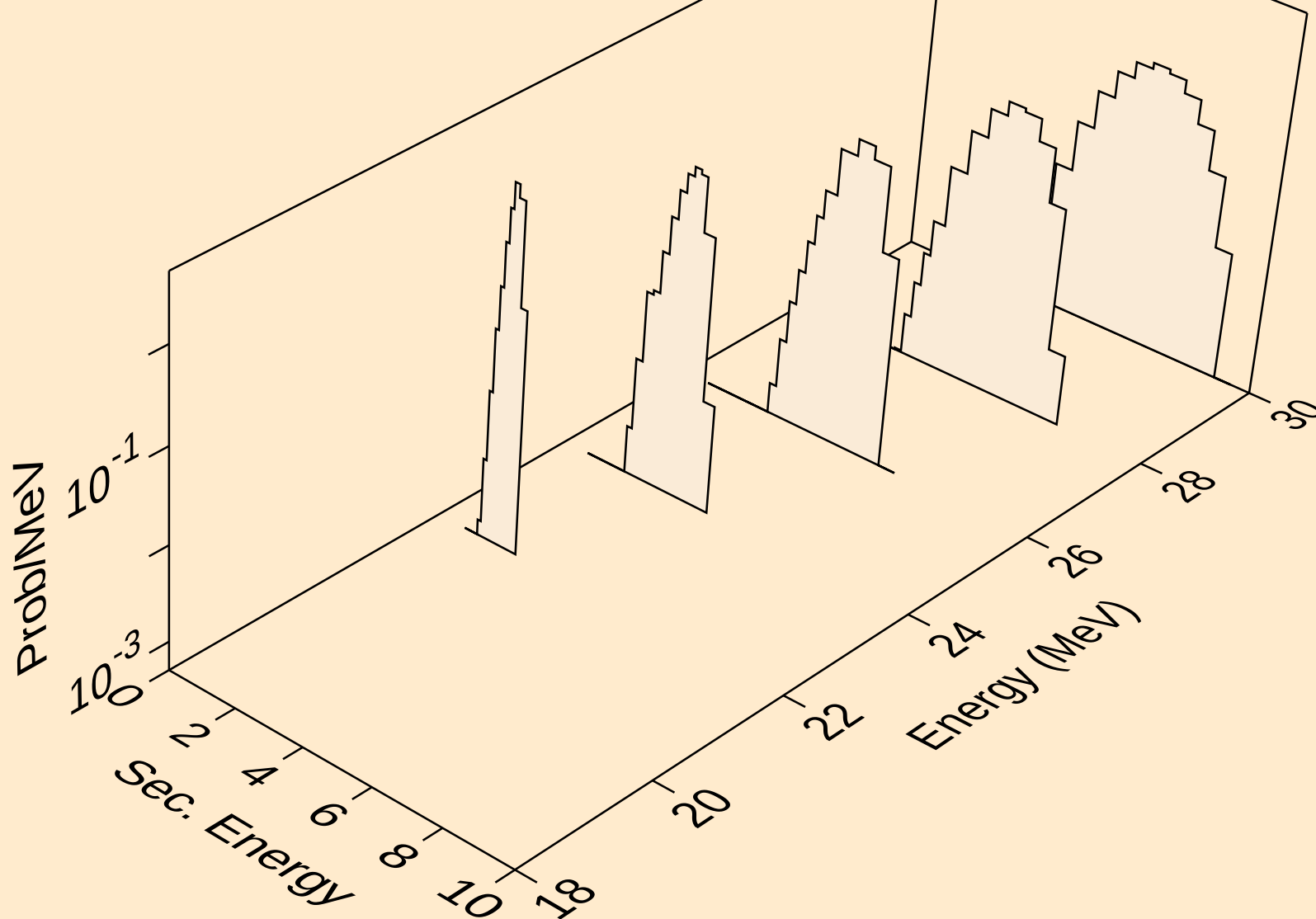
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



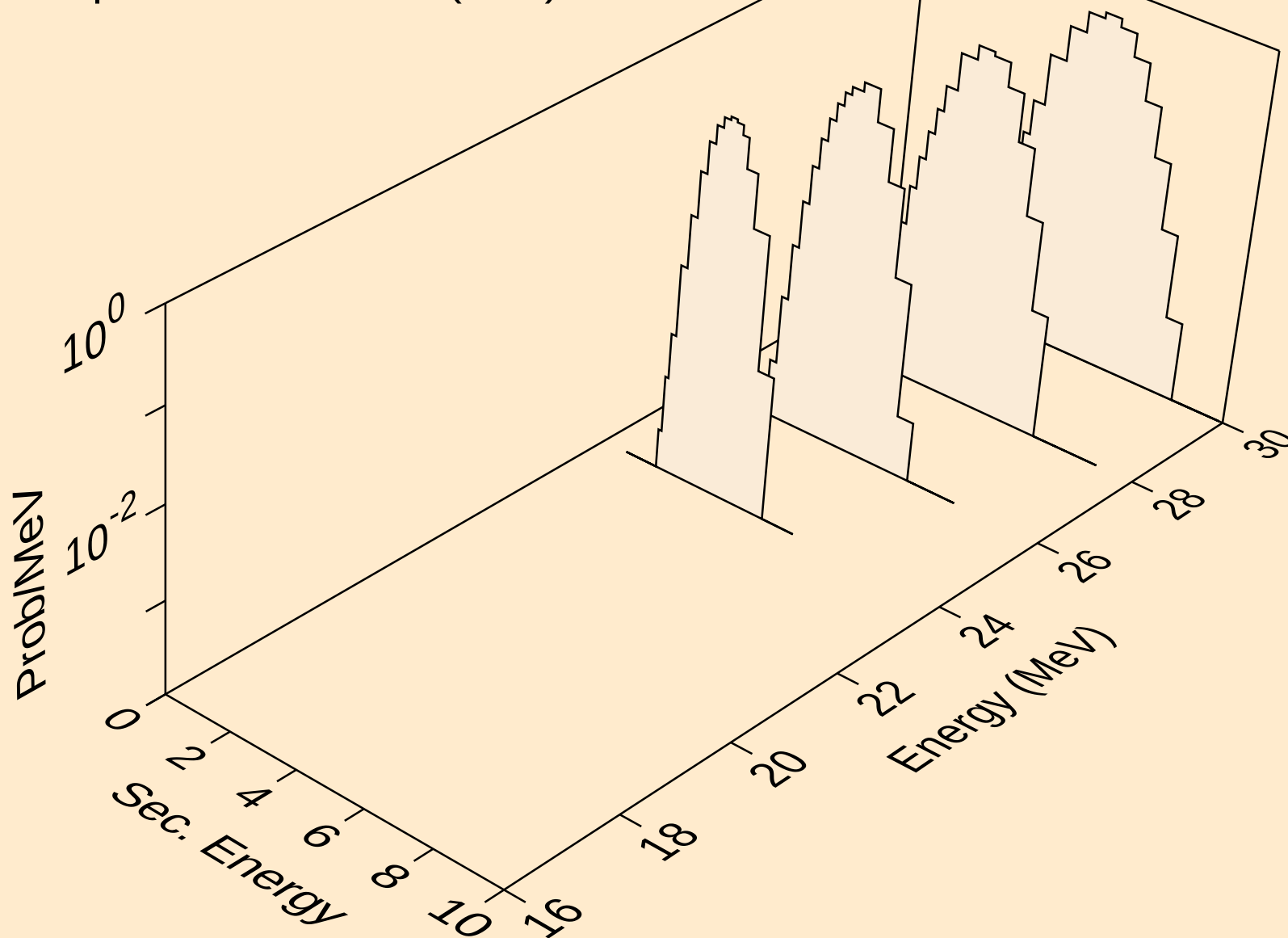
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3n)a



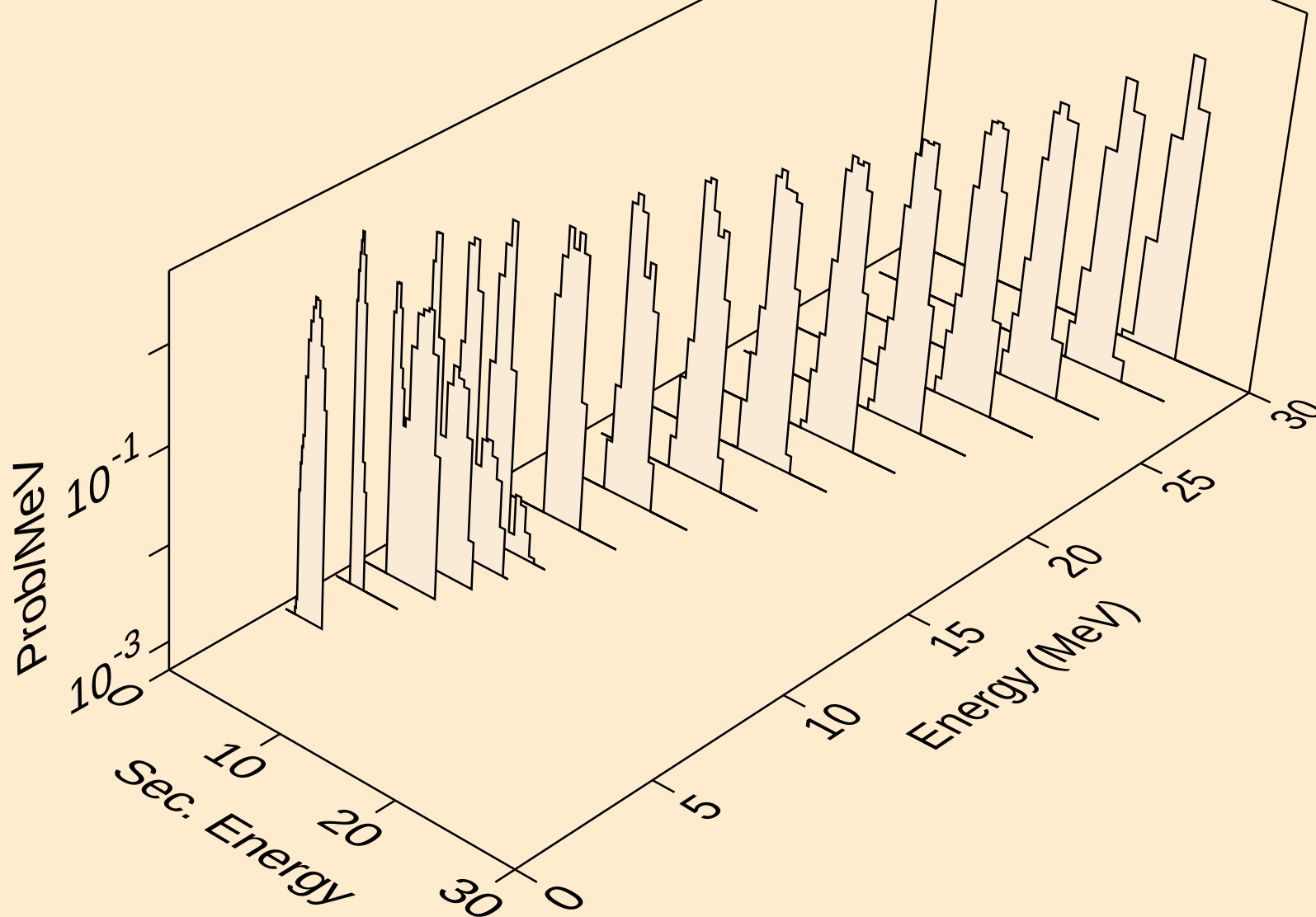
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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



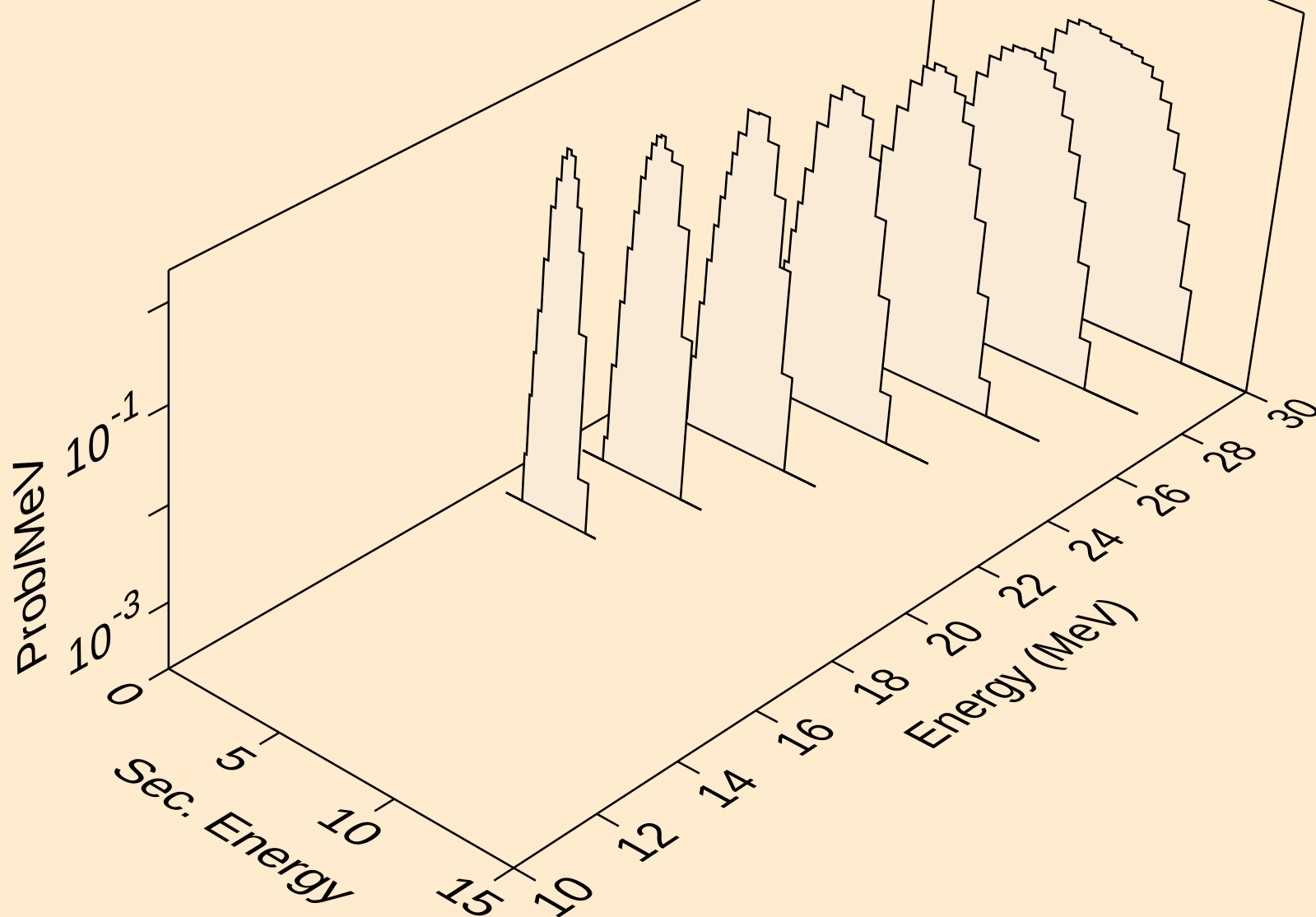
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic



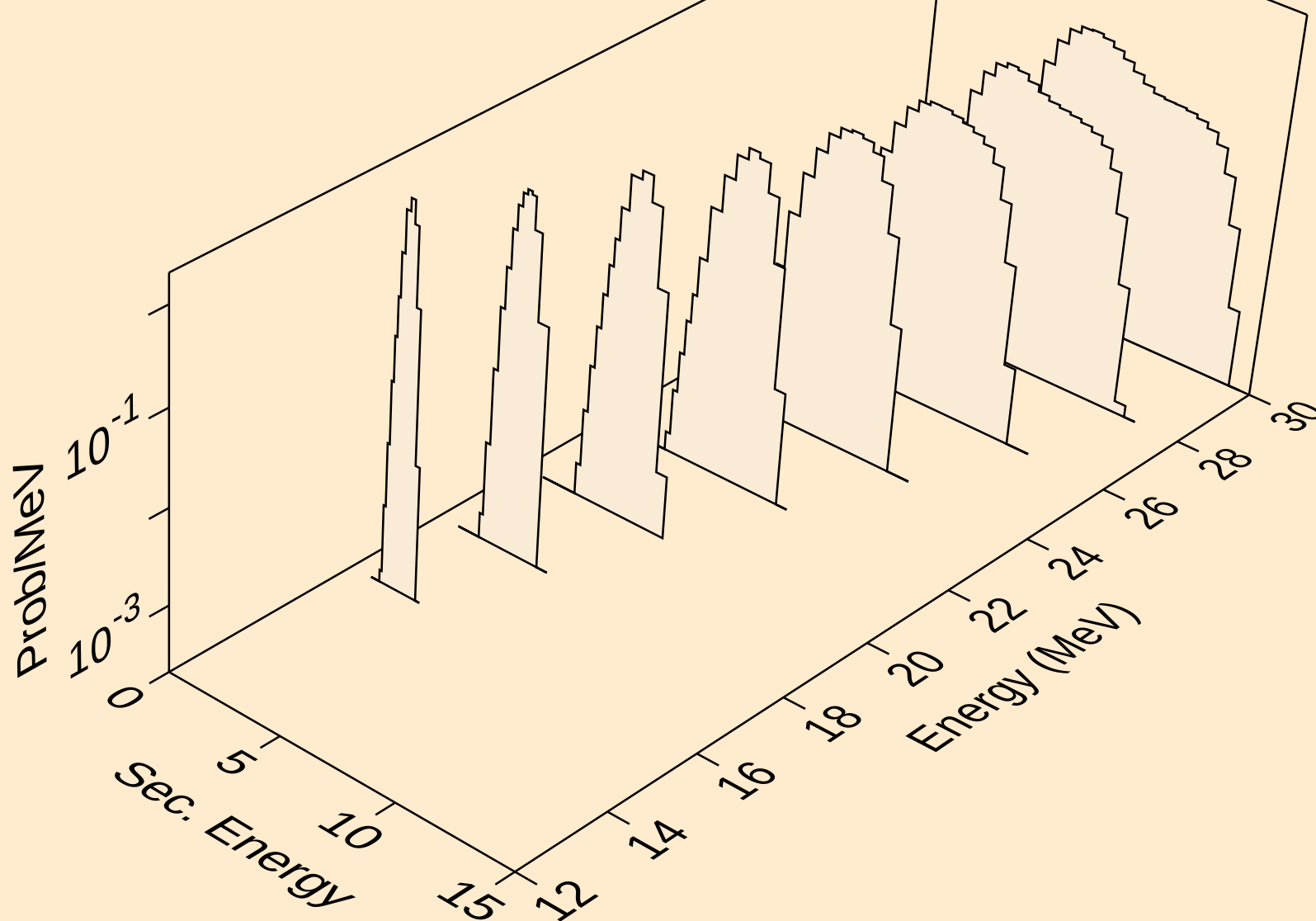
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2a)



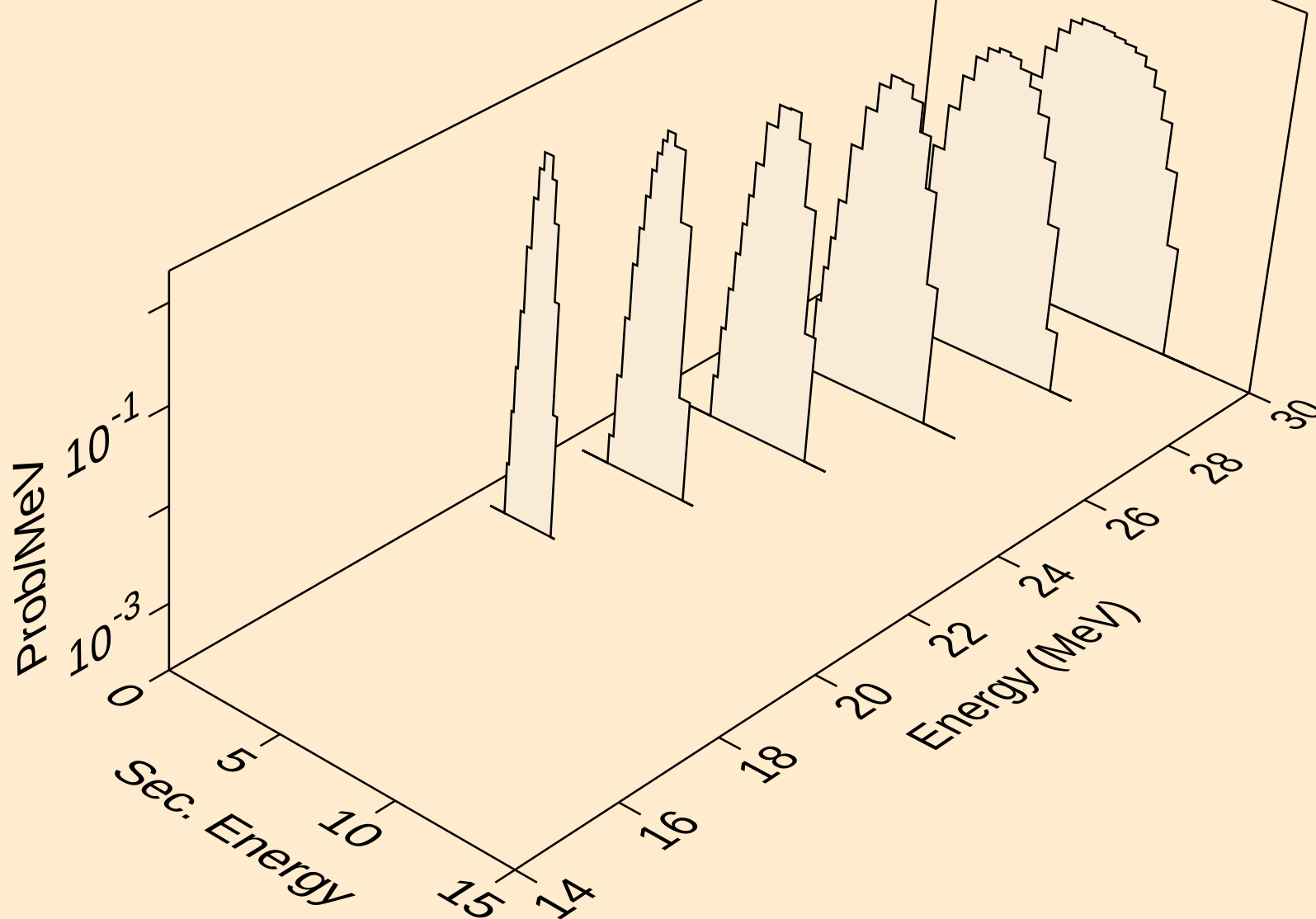
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,pa)

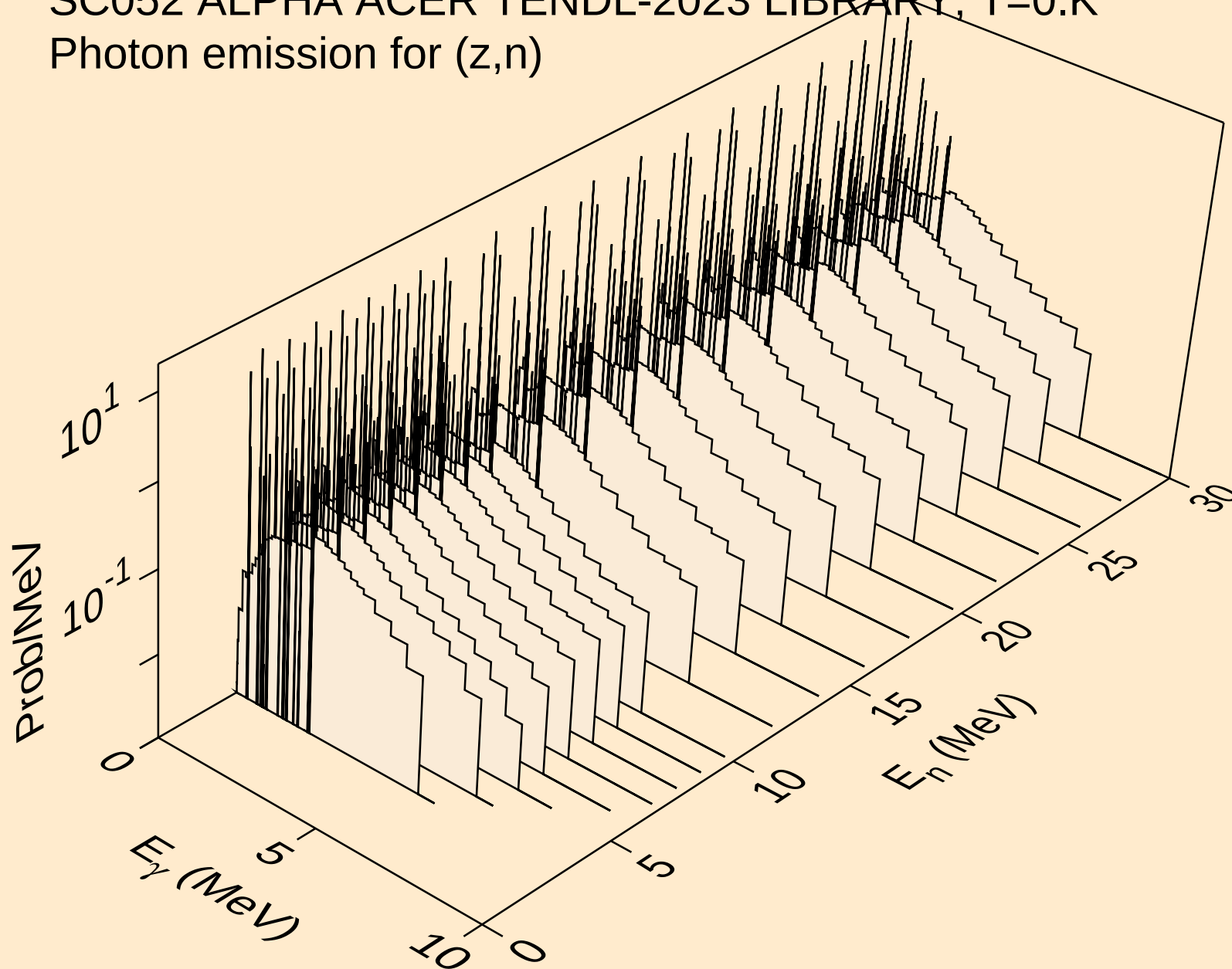


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,da)

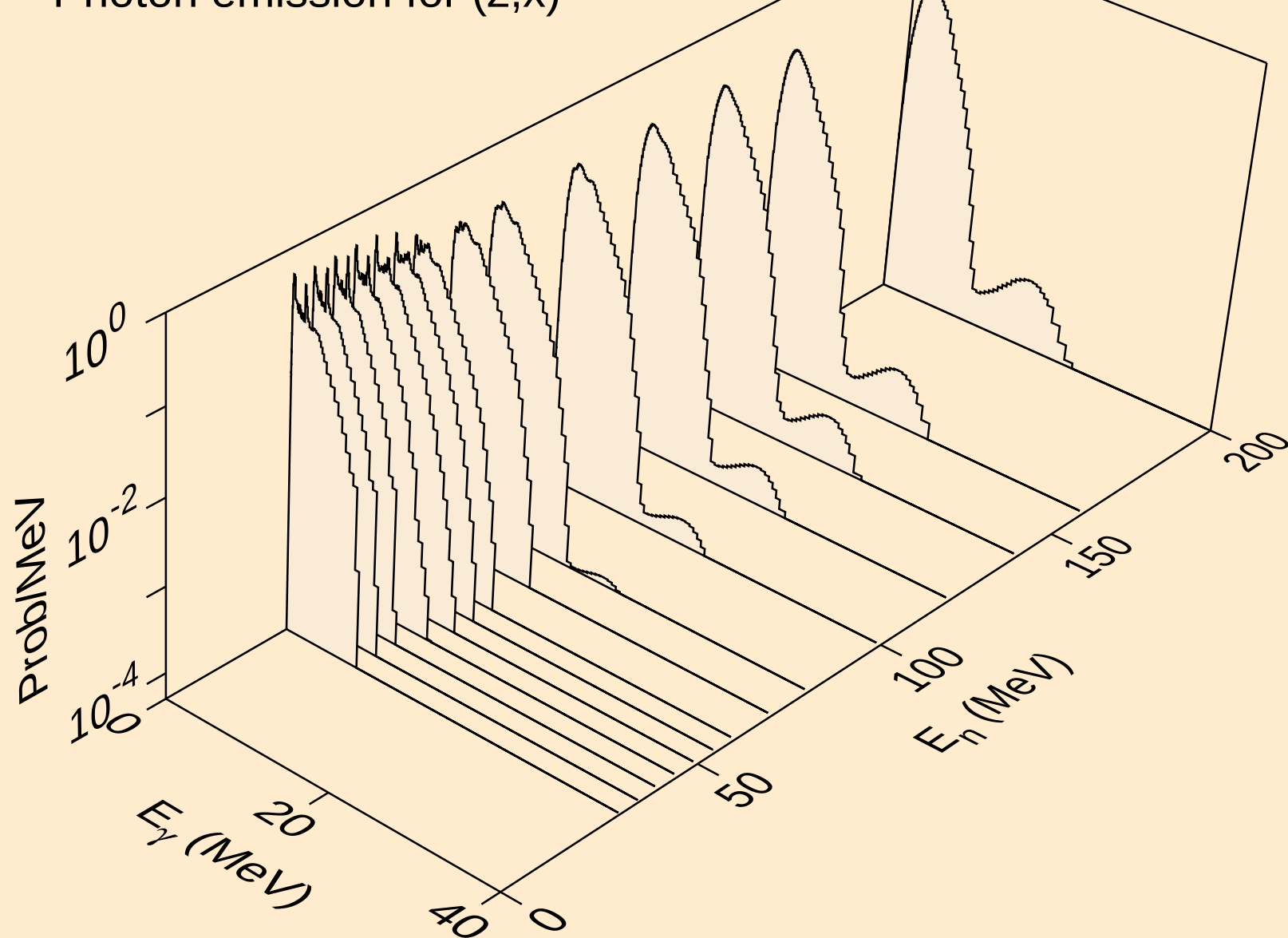


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

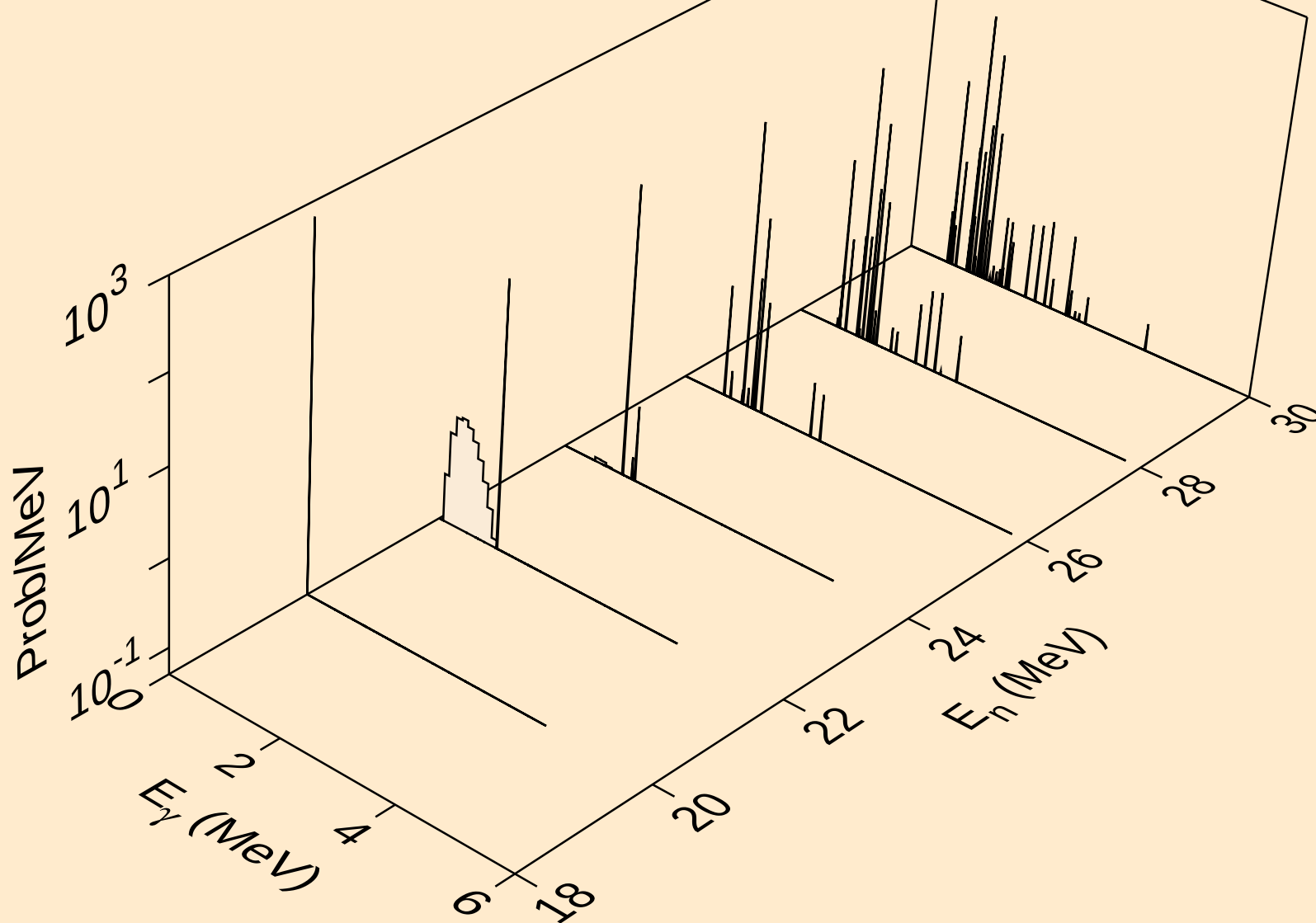


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

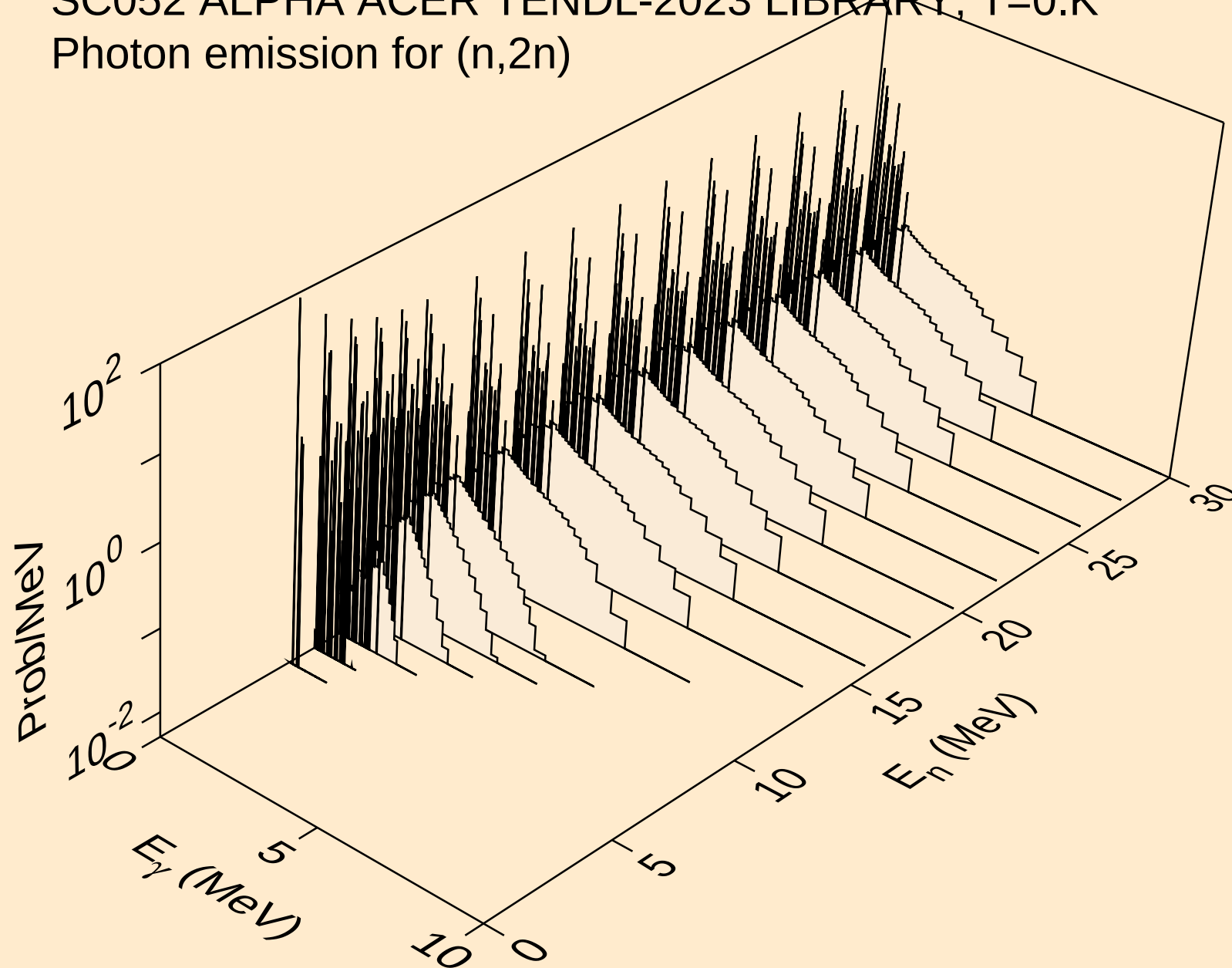
Photon emission for (z,x)



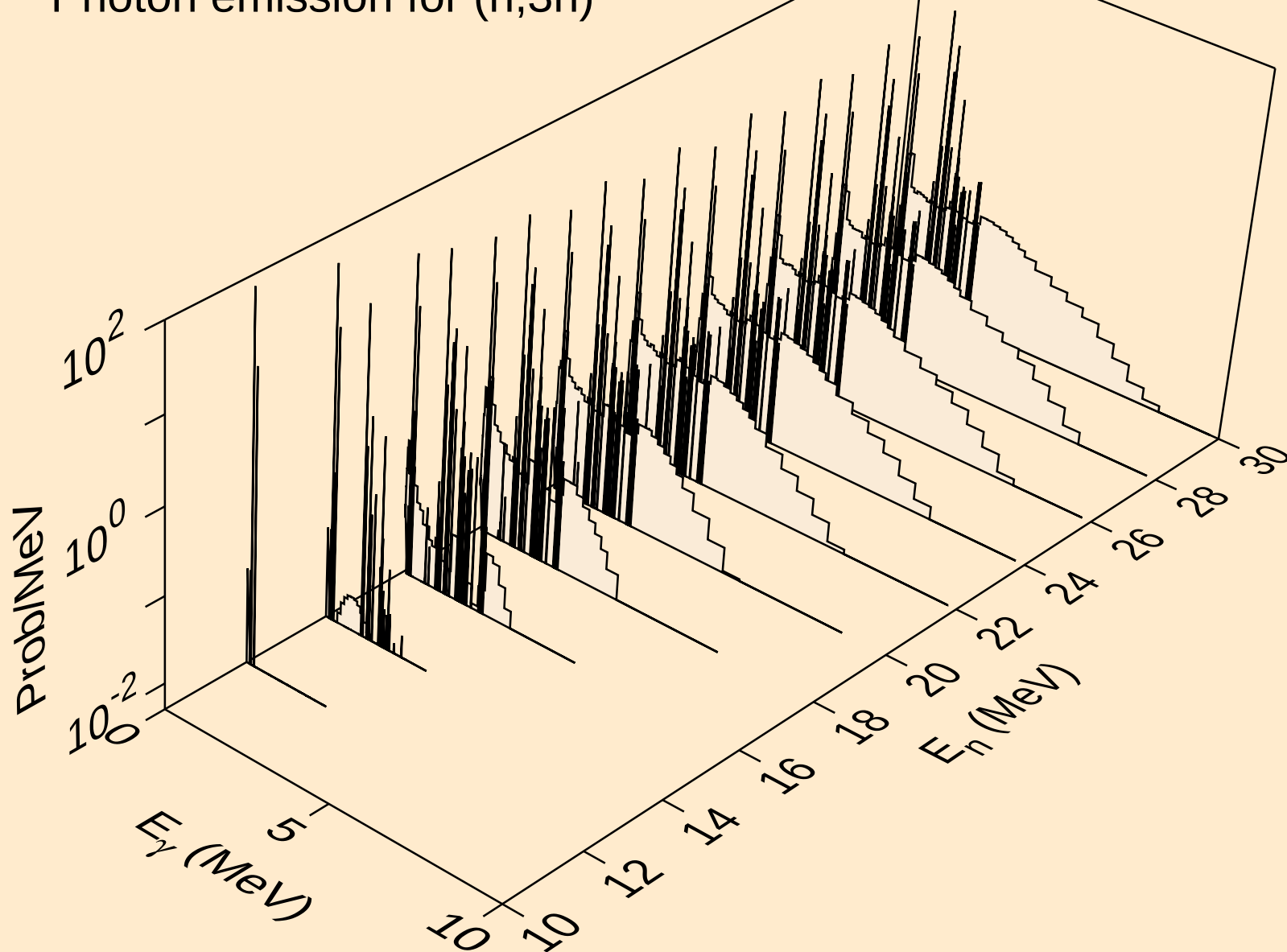
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

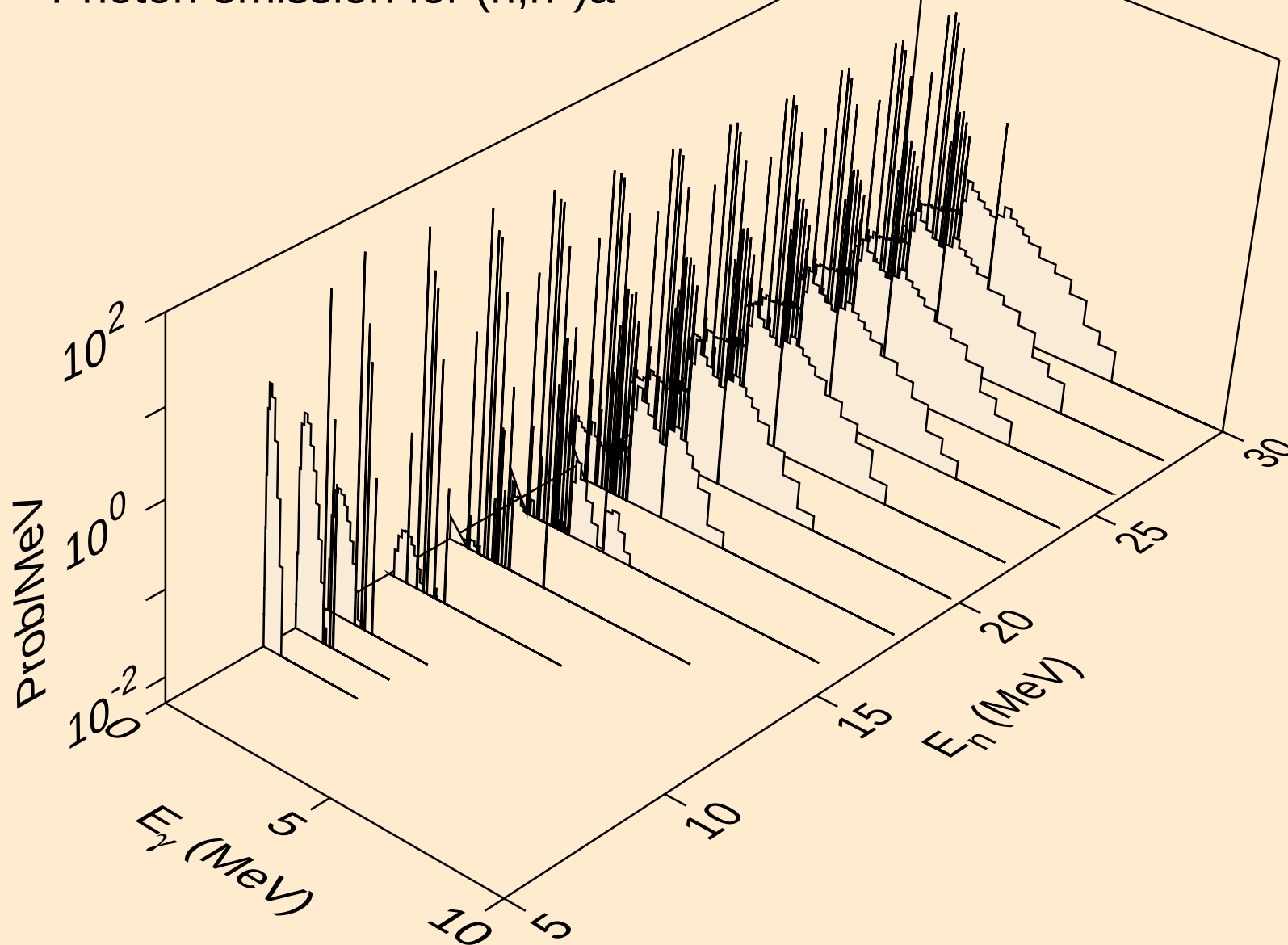


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



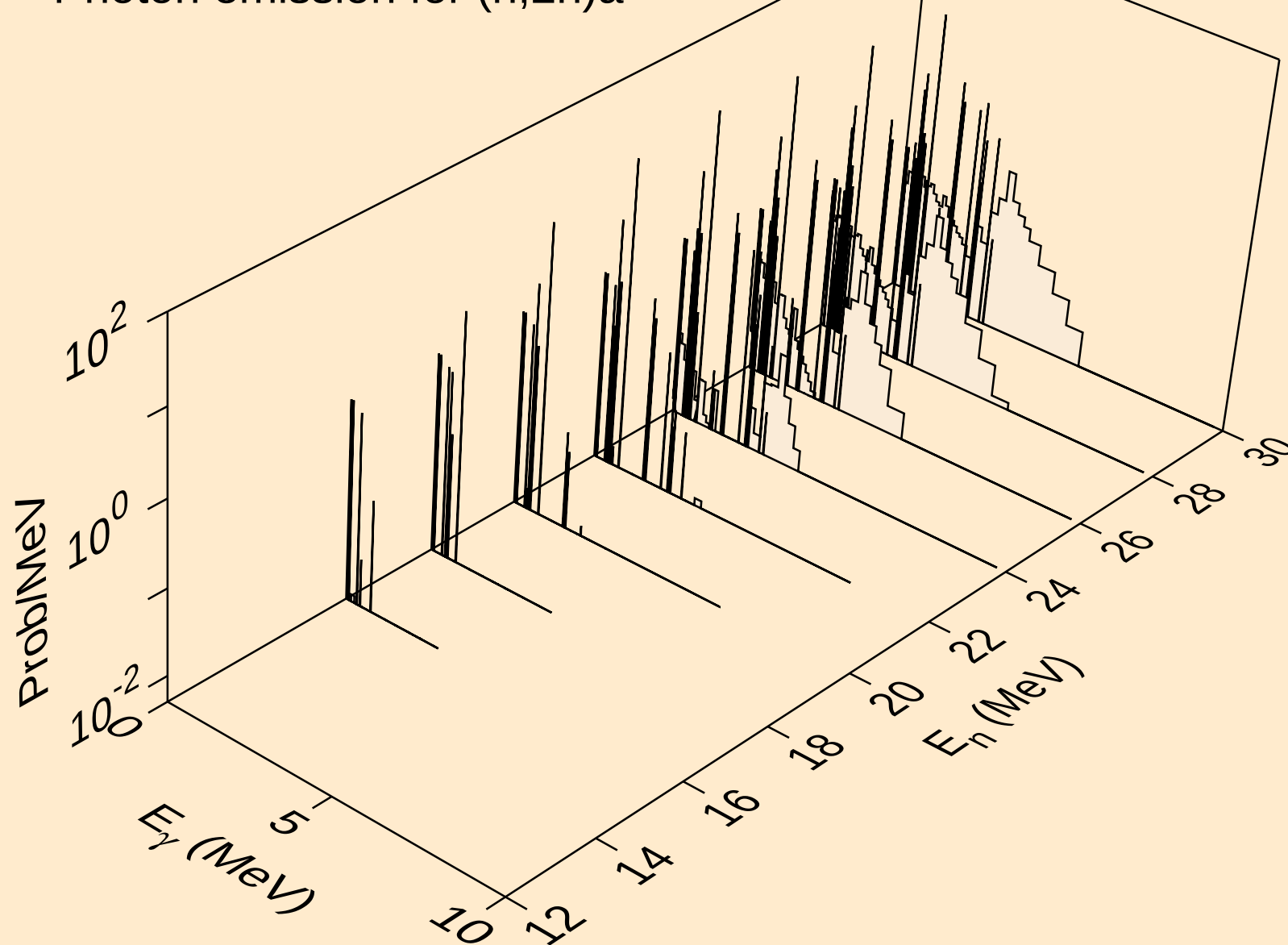
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



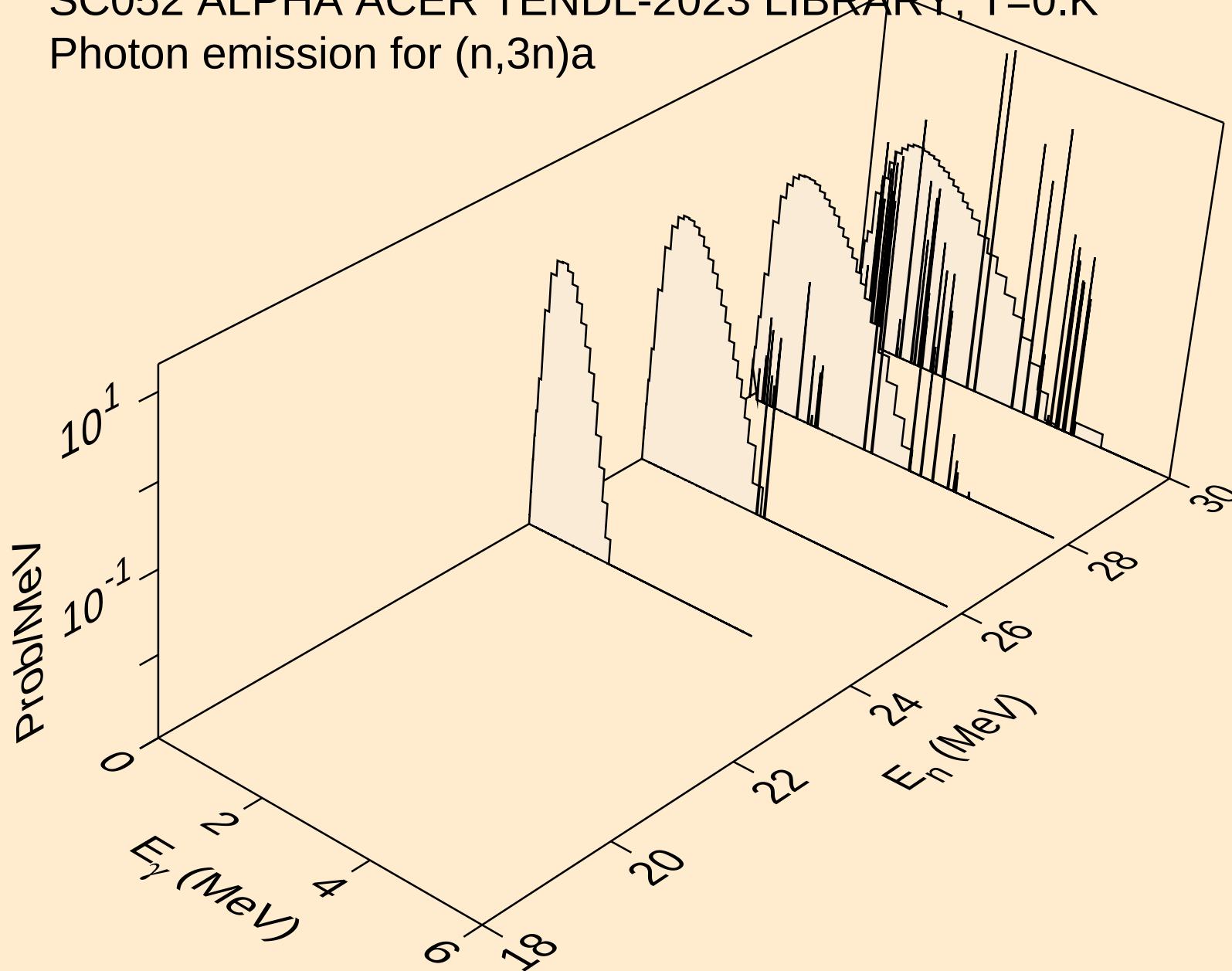
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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

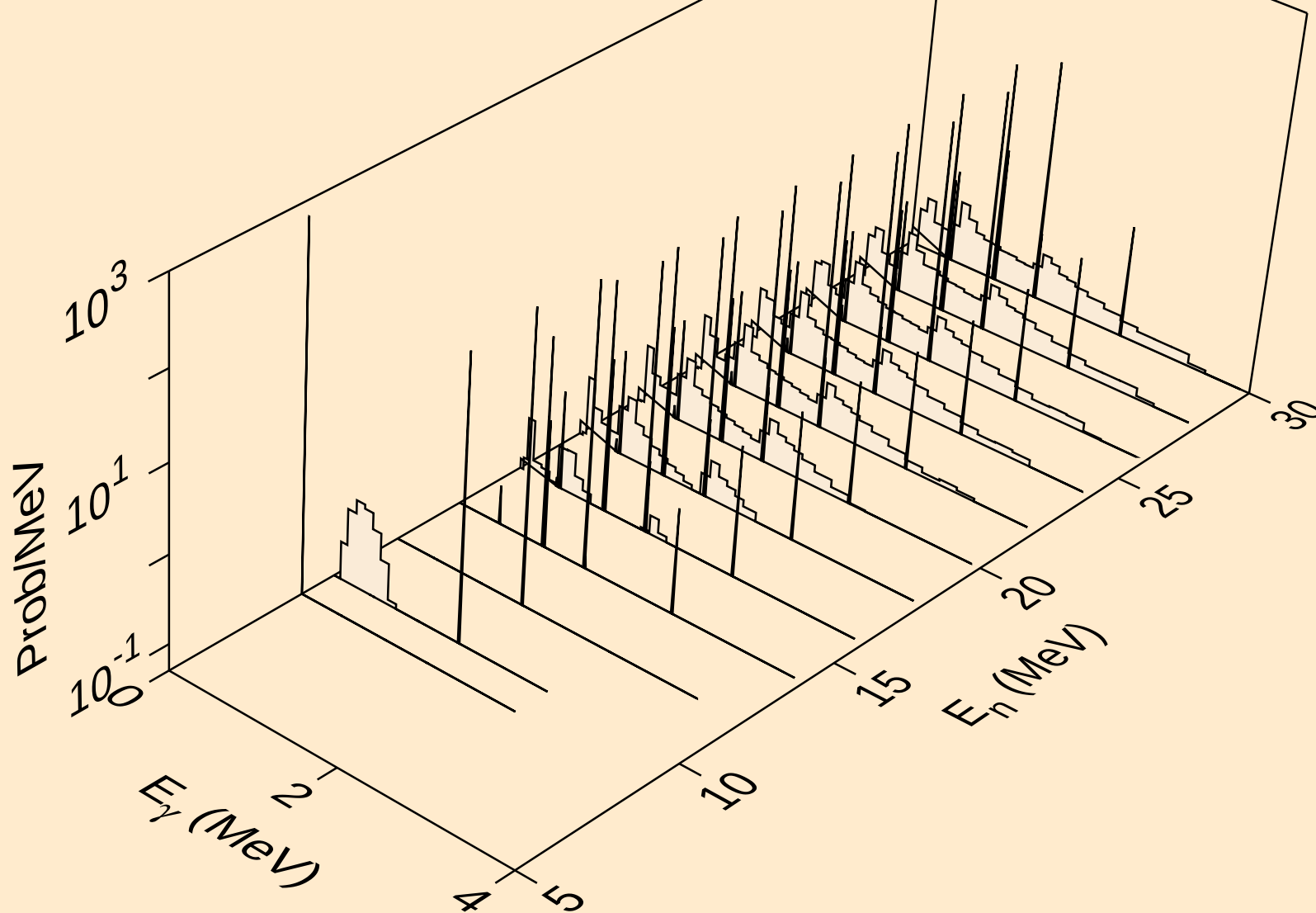


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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

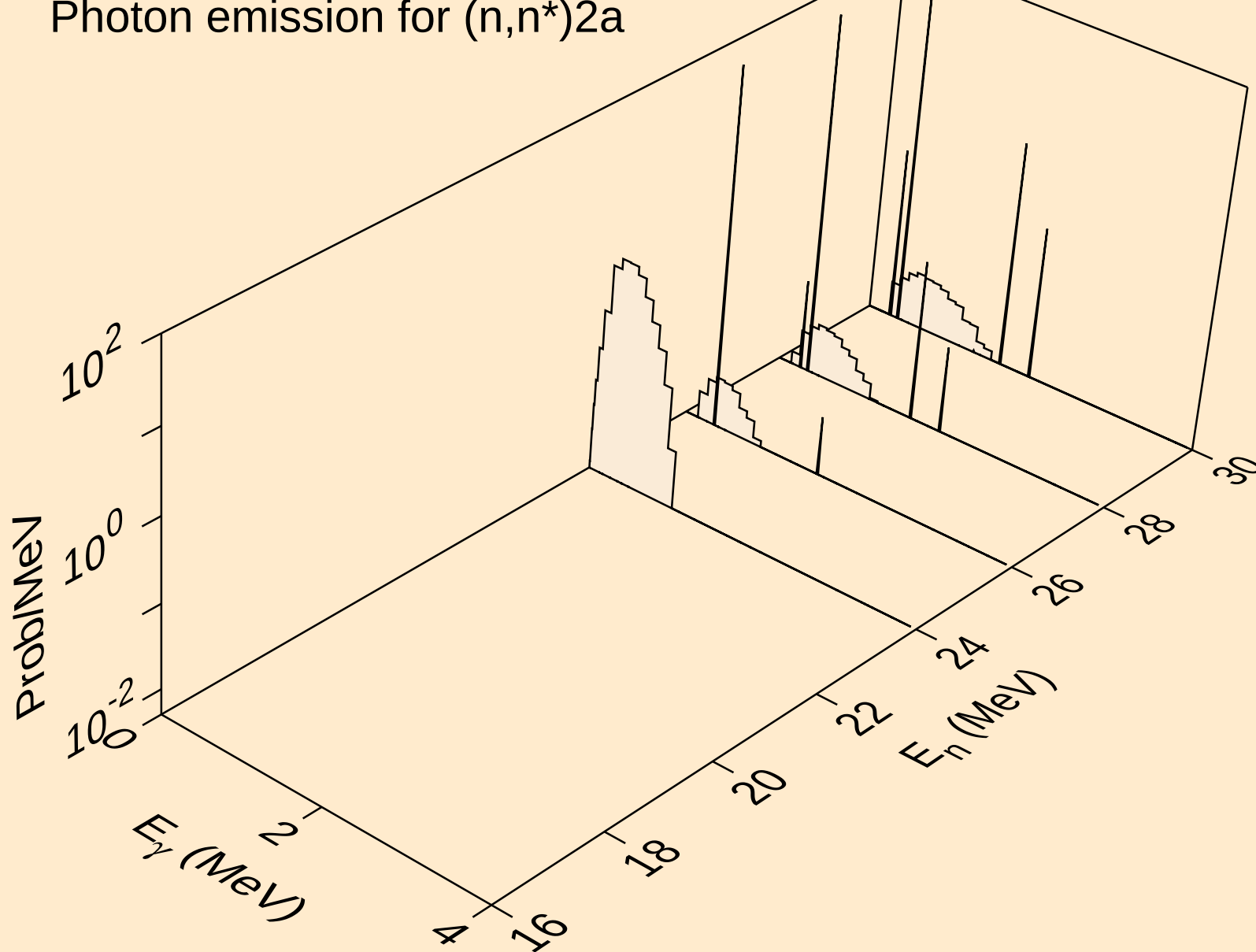


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



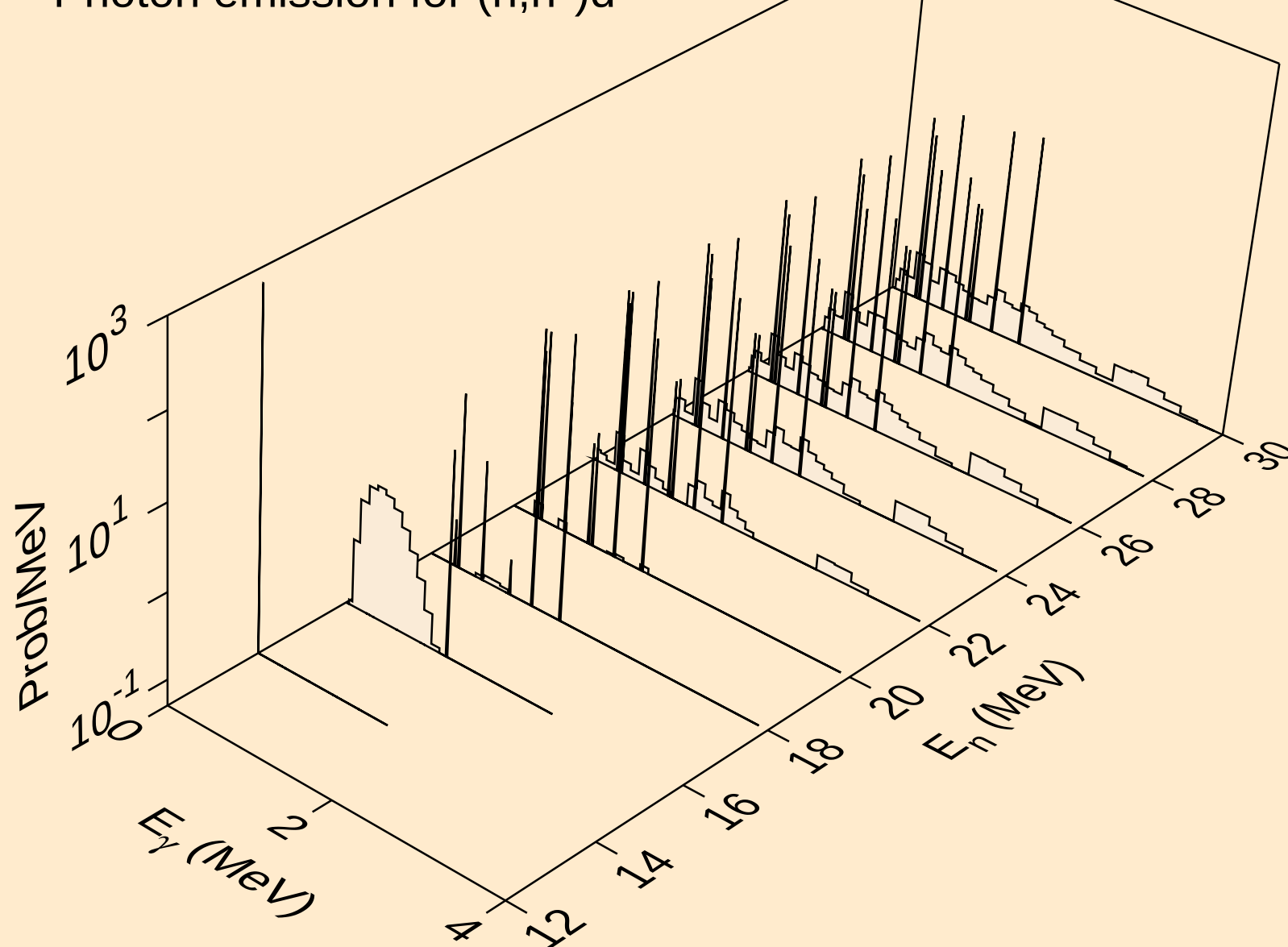
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

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



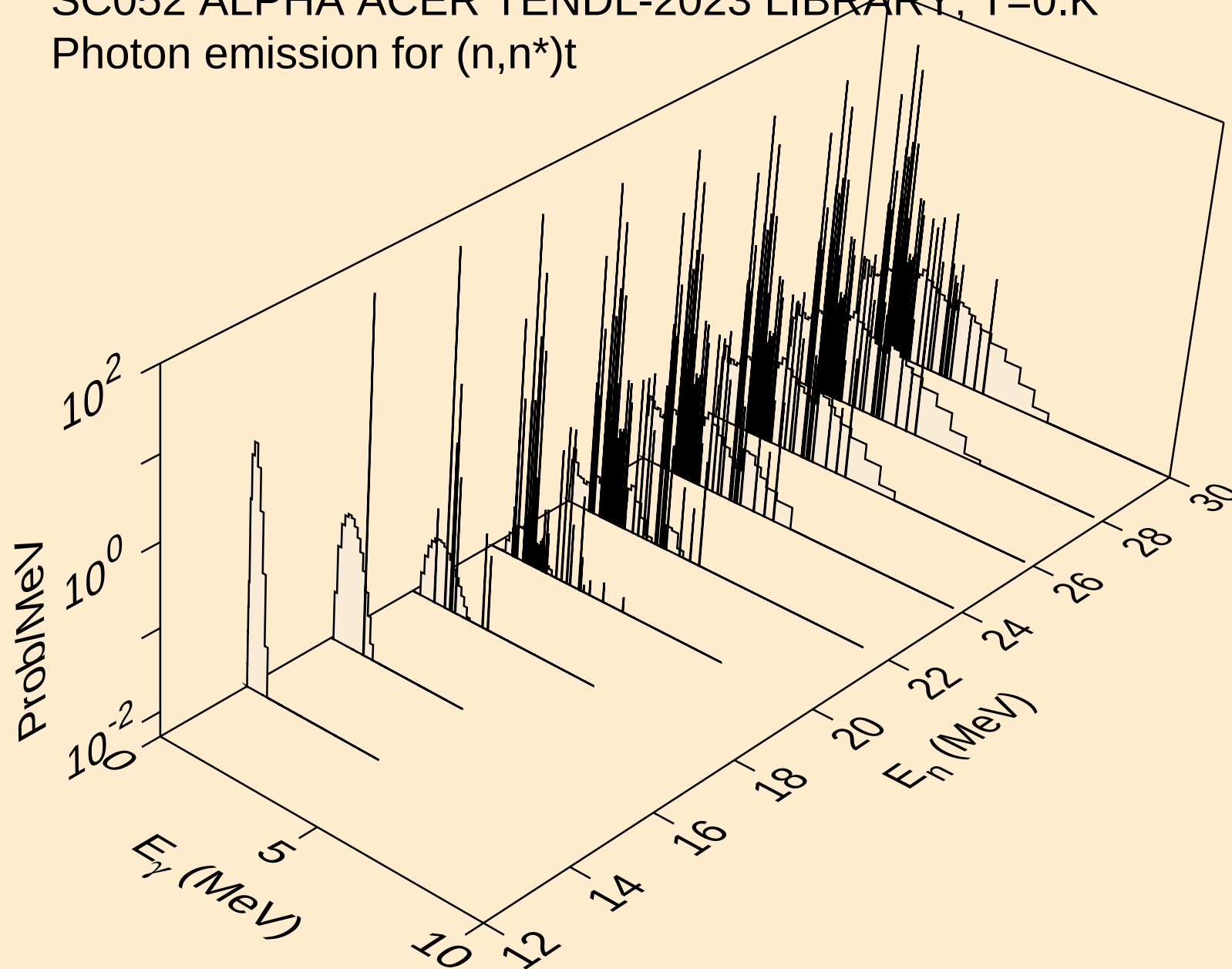
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



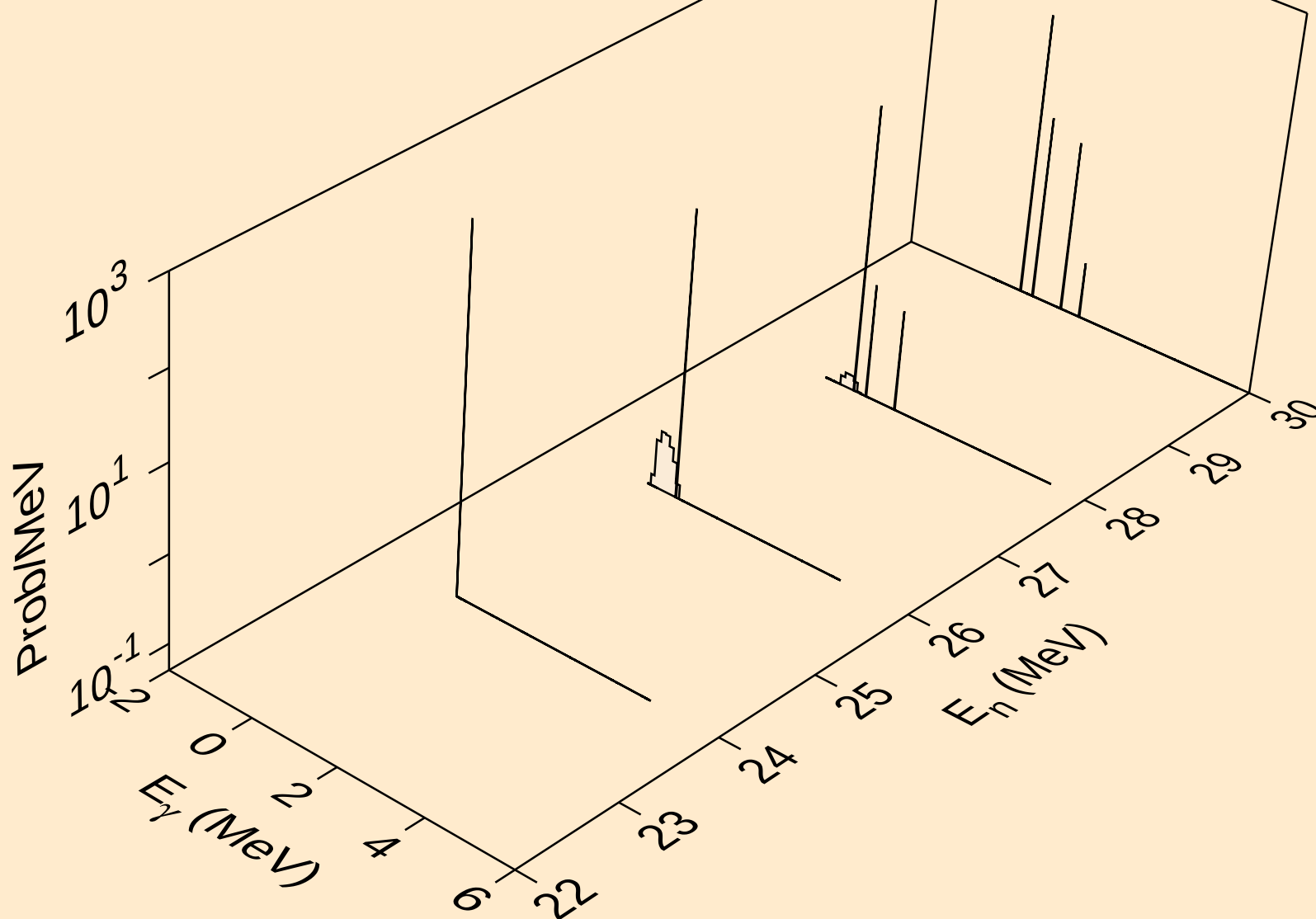
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

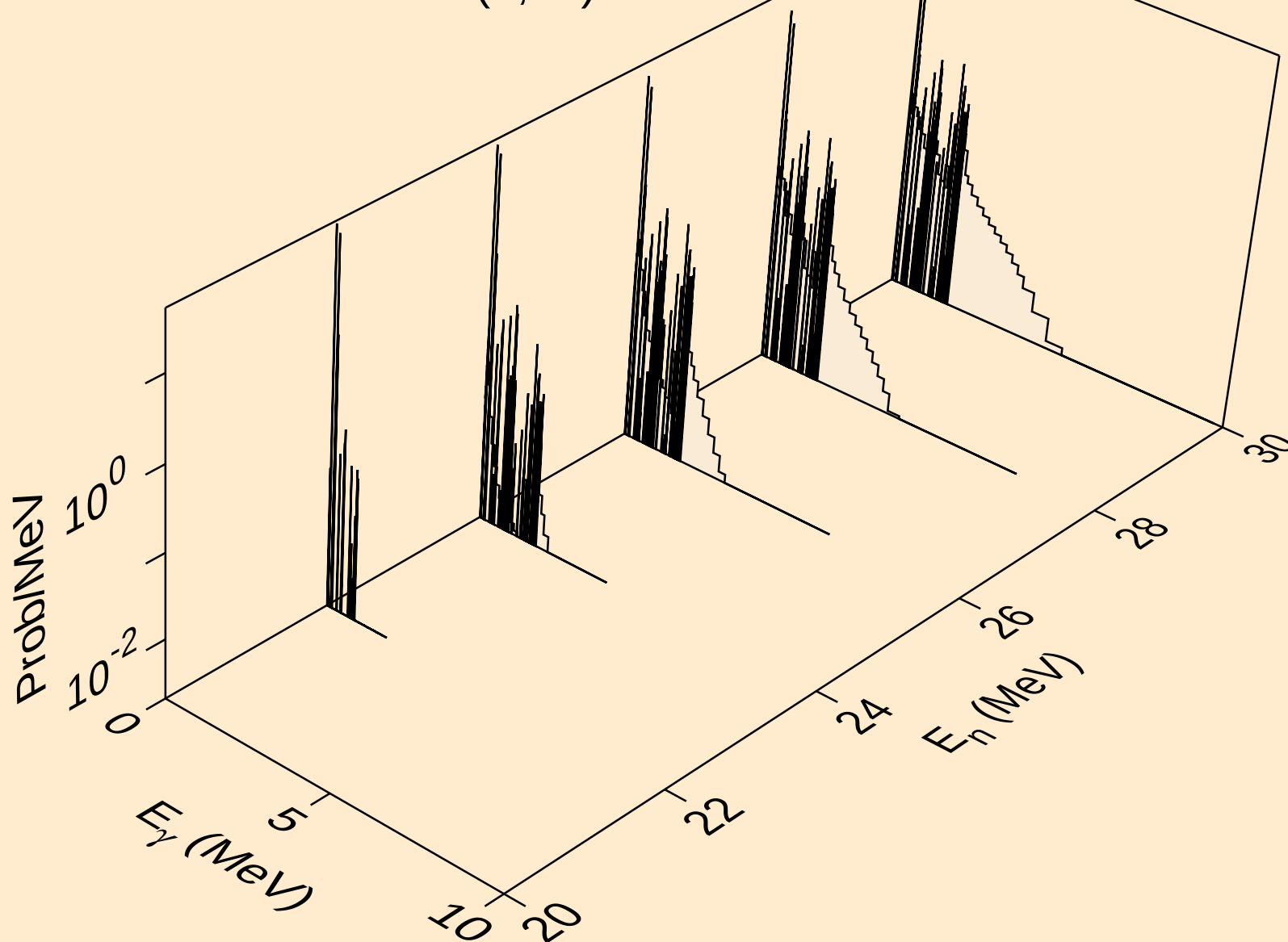


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

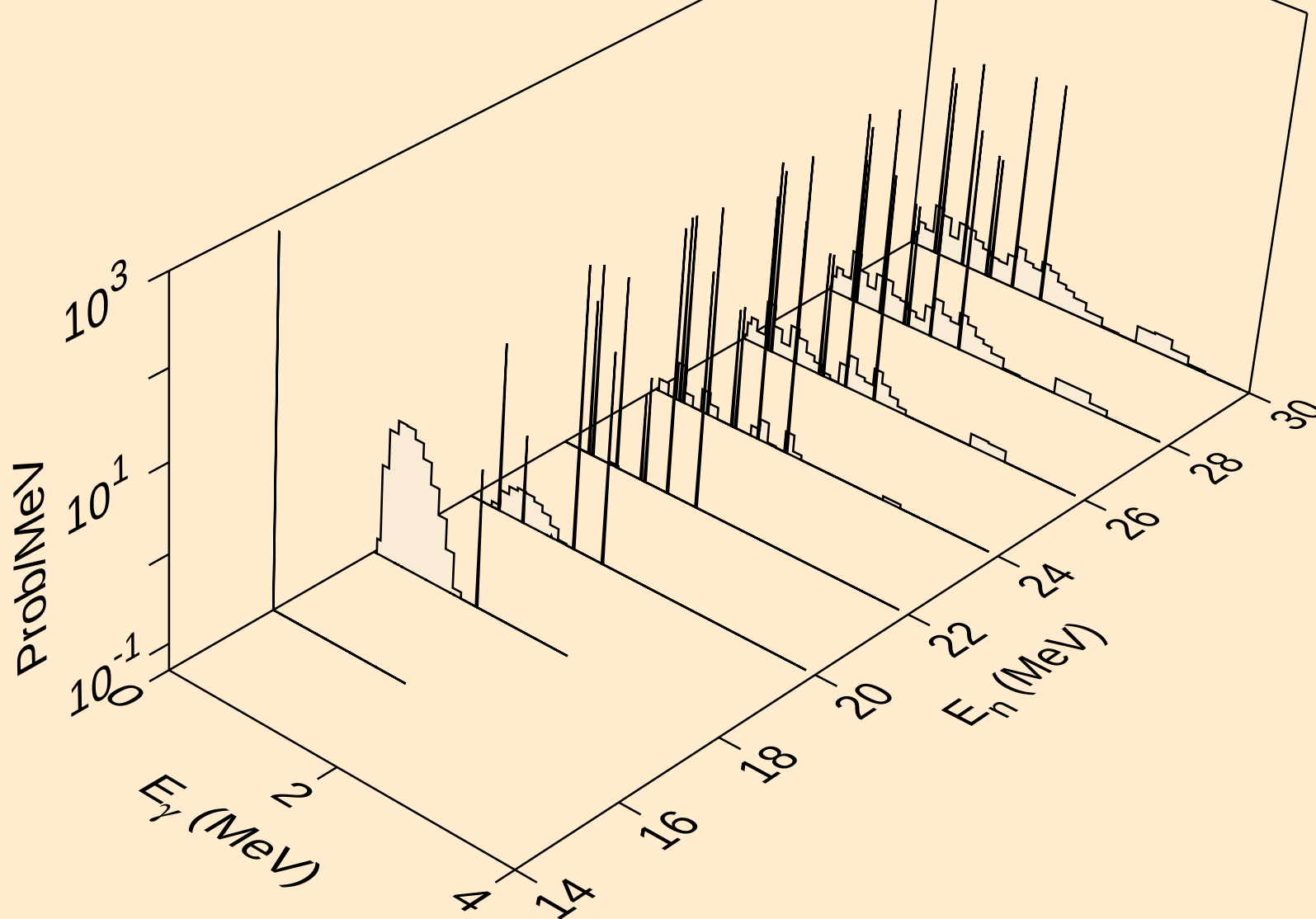
Photon emission for (n,n\*)he3



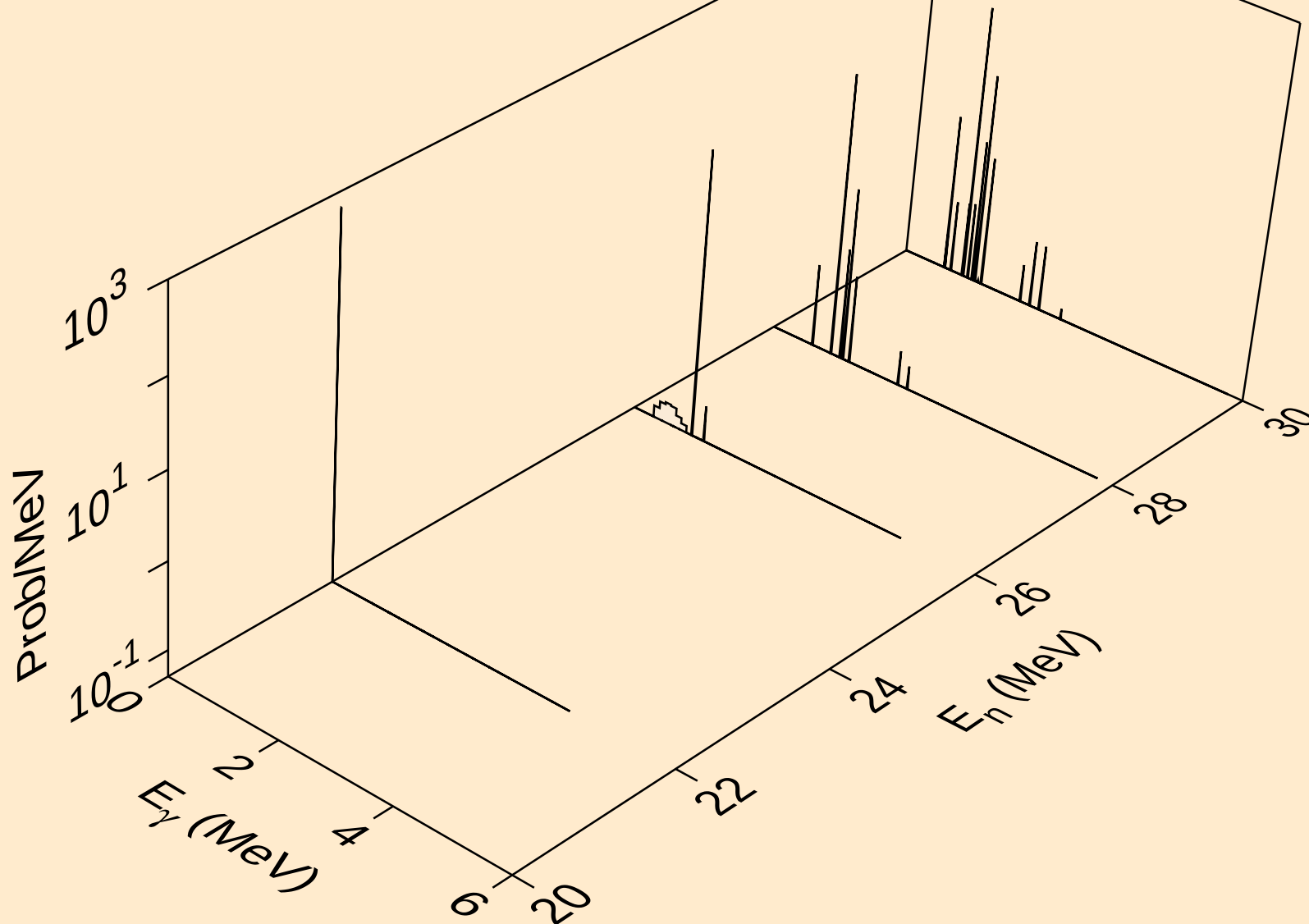
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

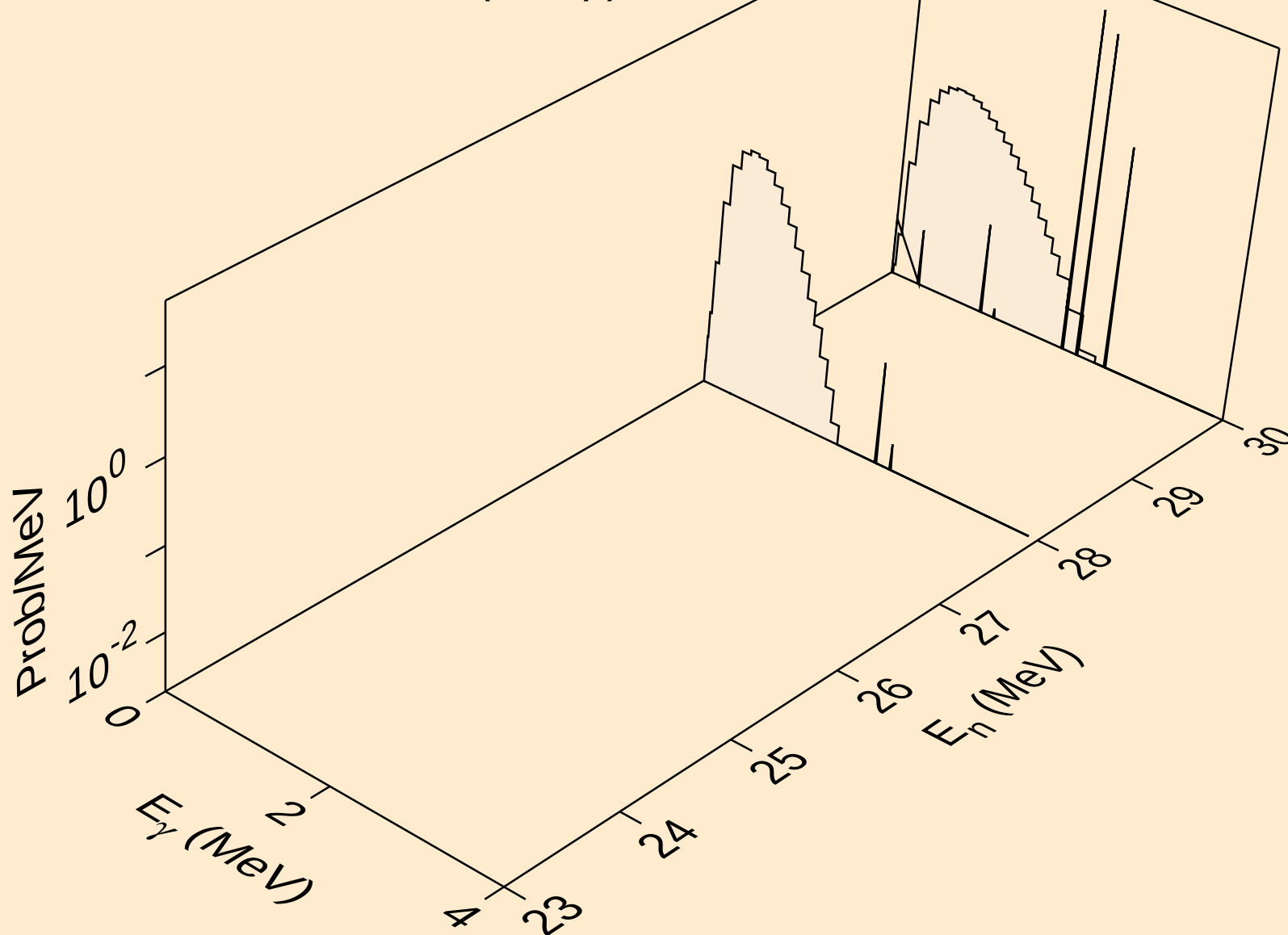


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



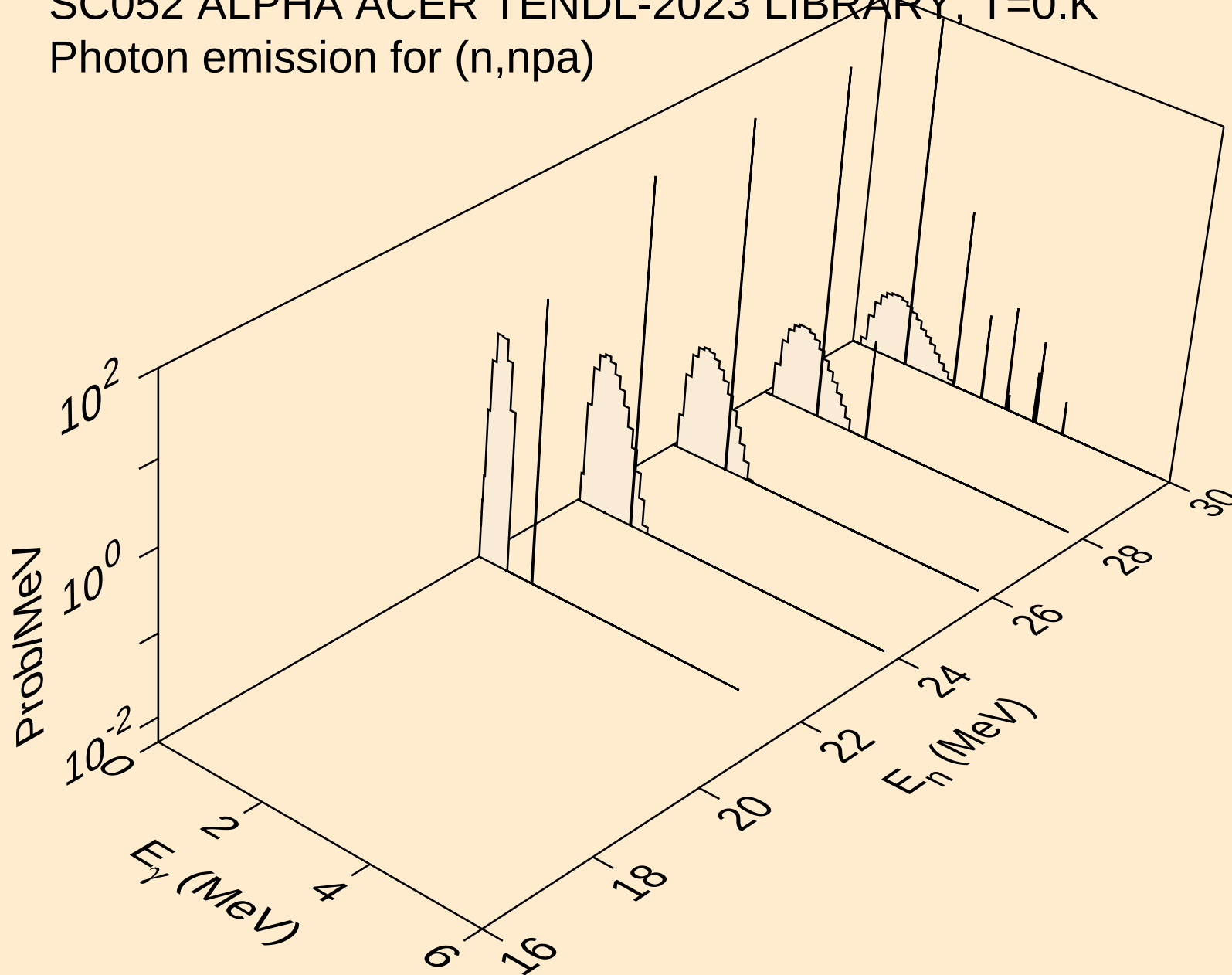
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n2p)

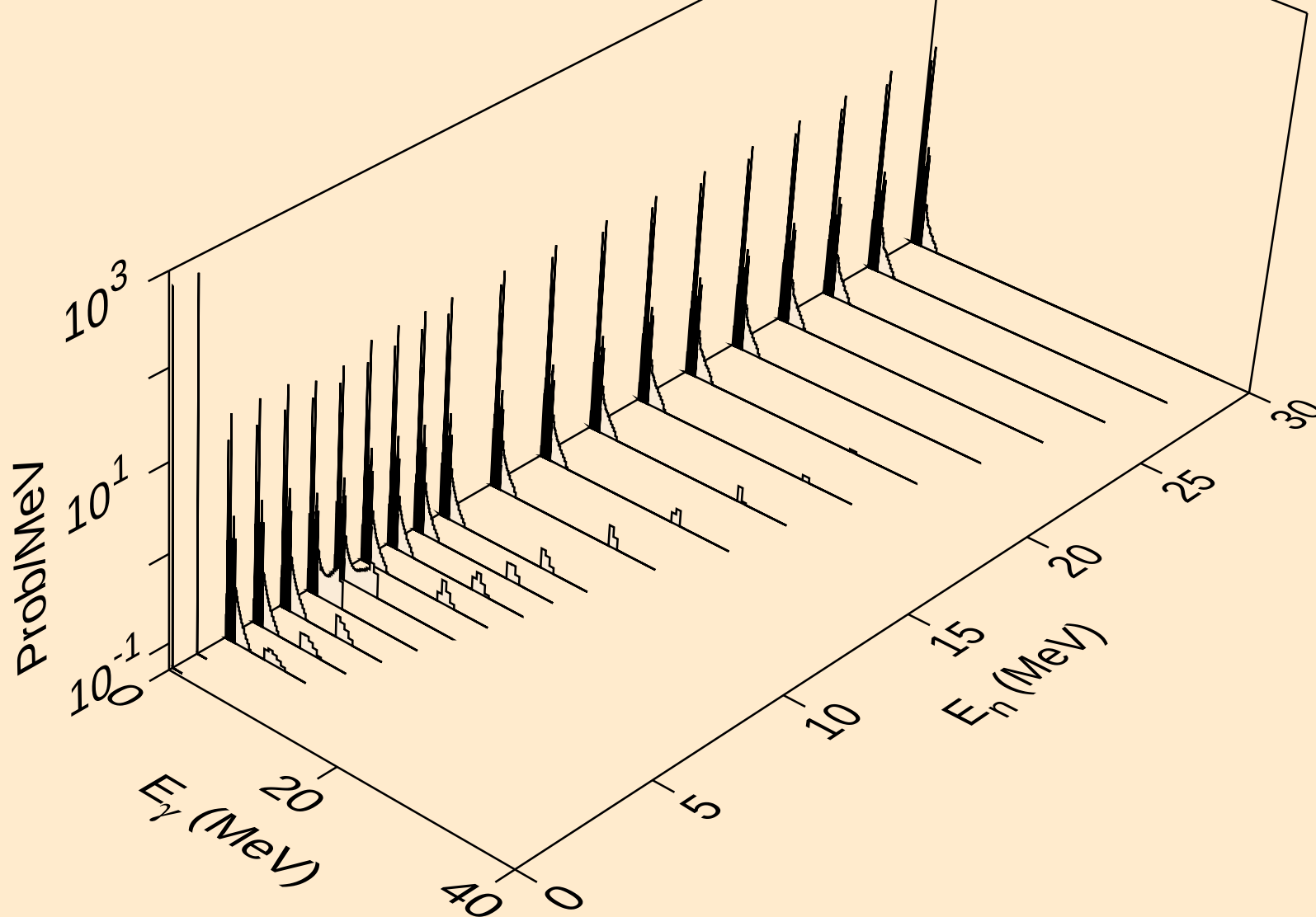


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,npa)

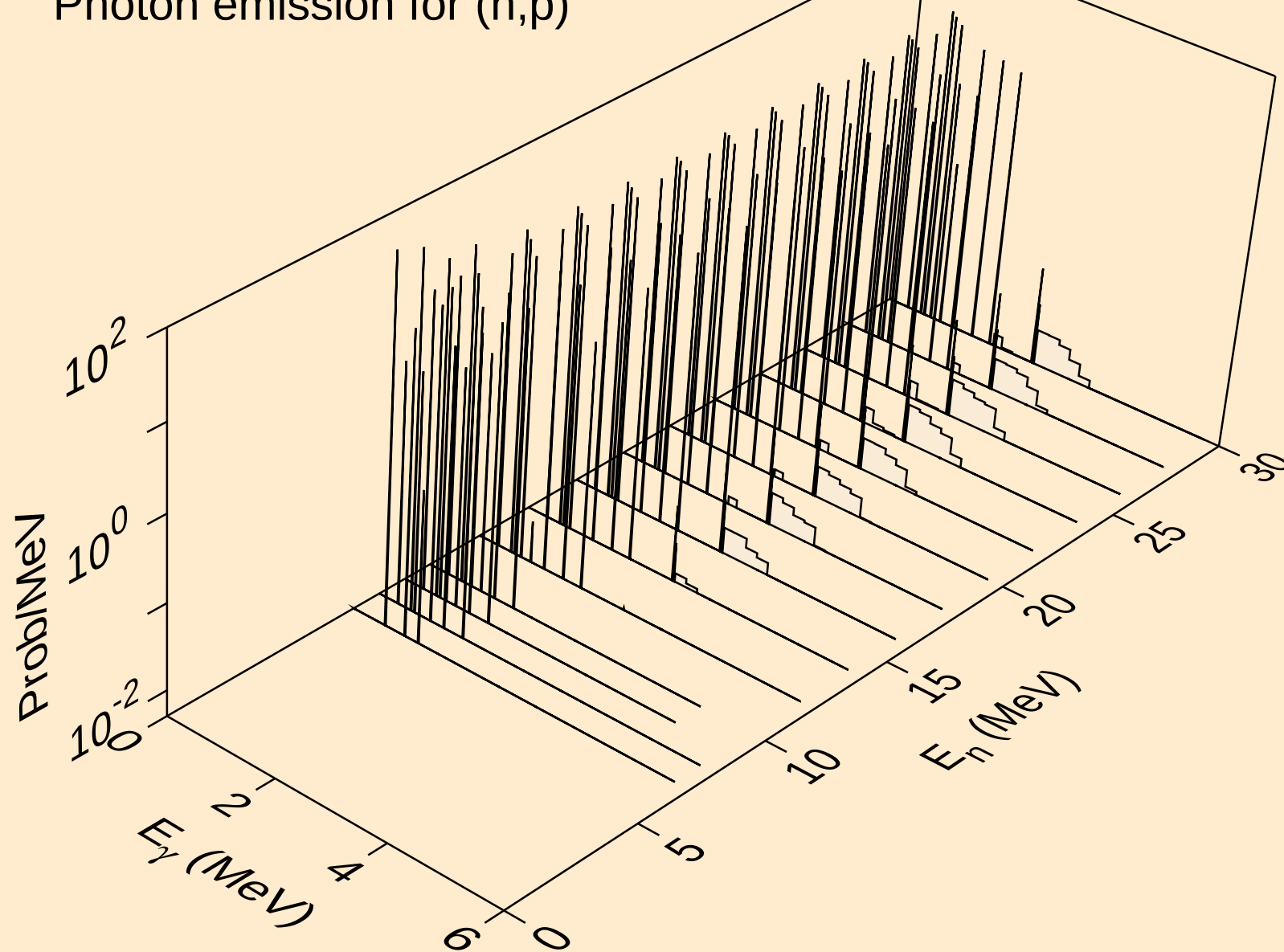


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

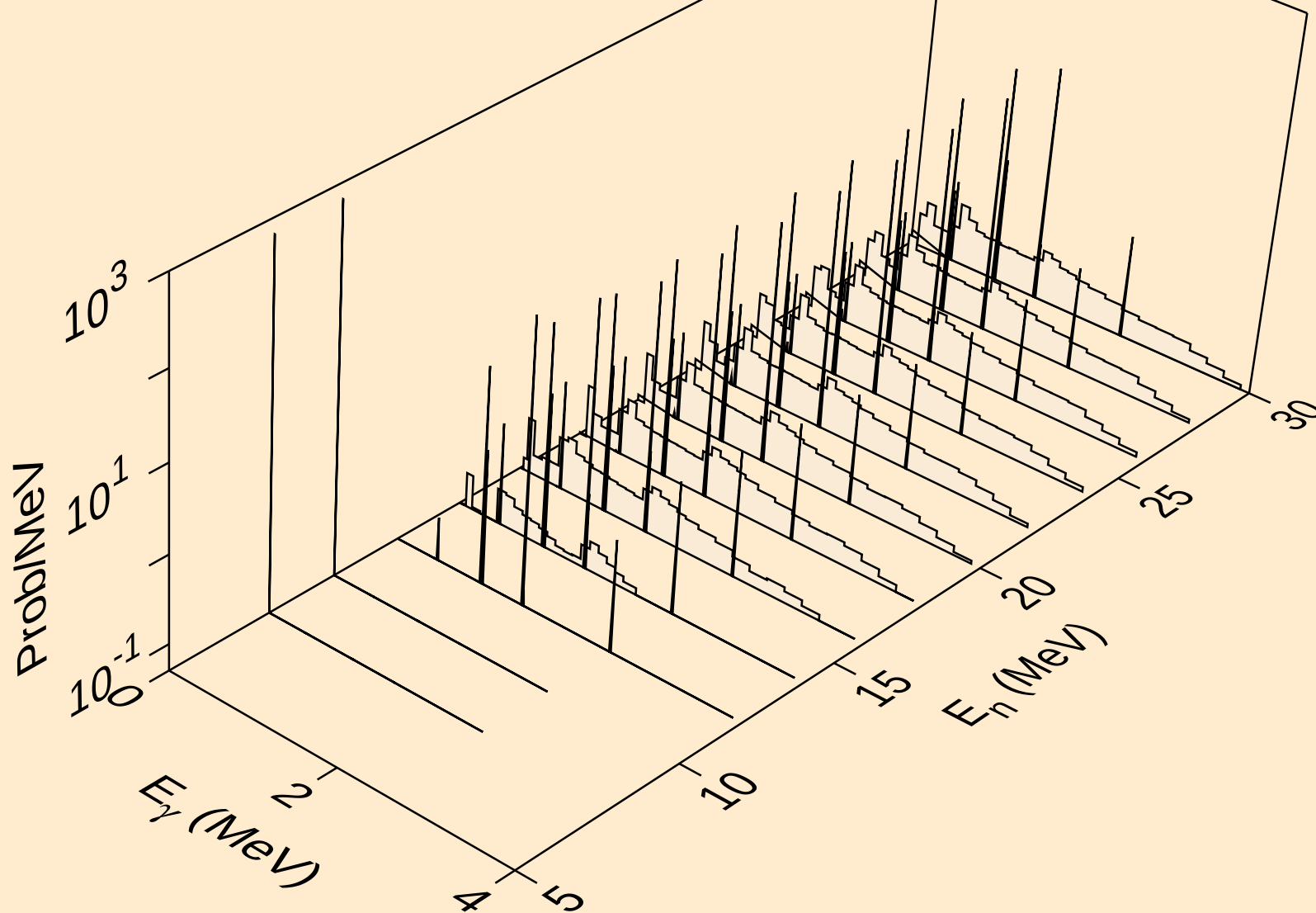


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

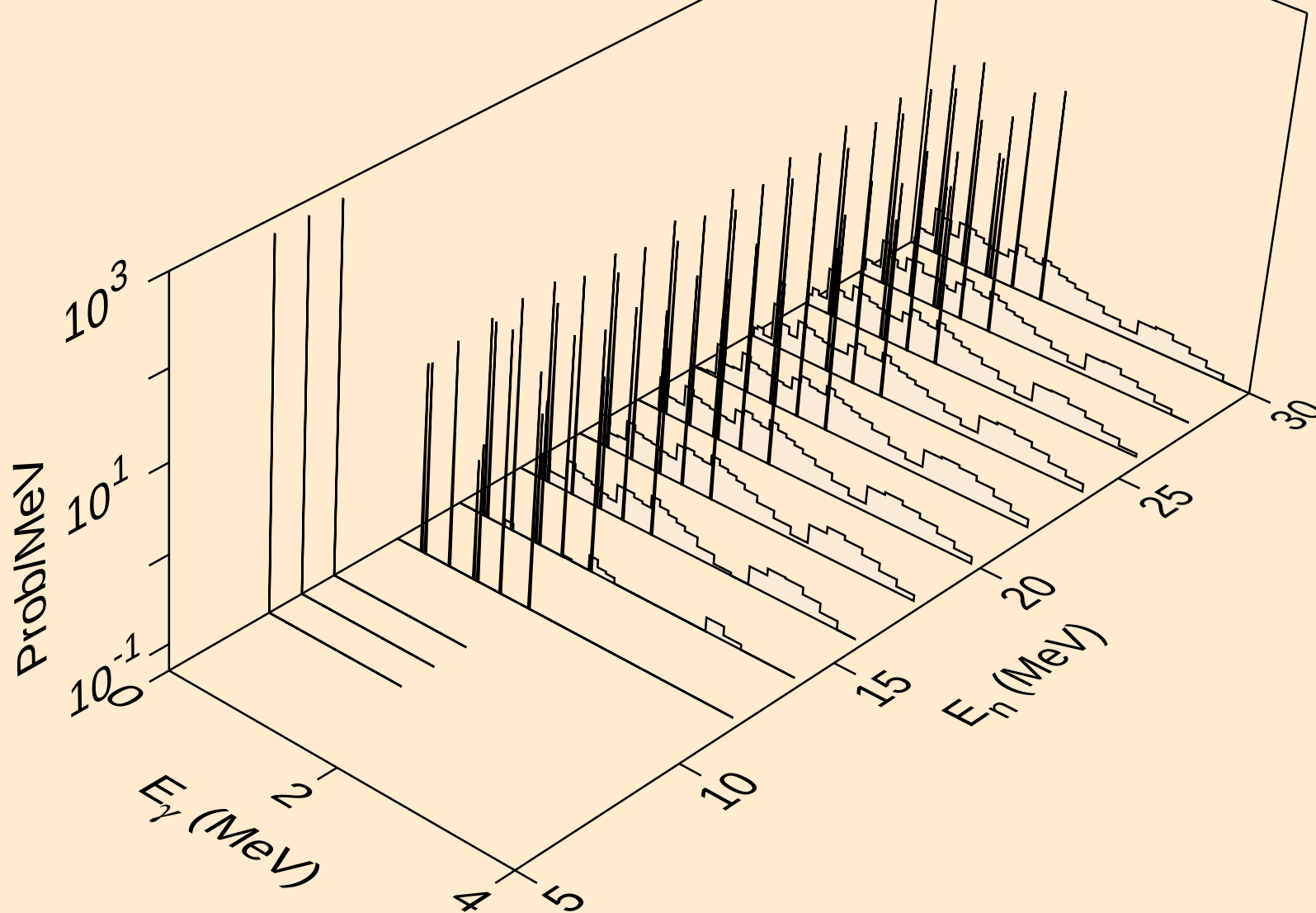
Photon emission for (n,p)



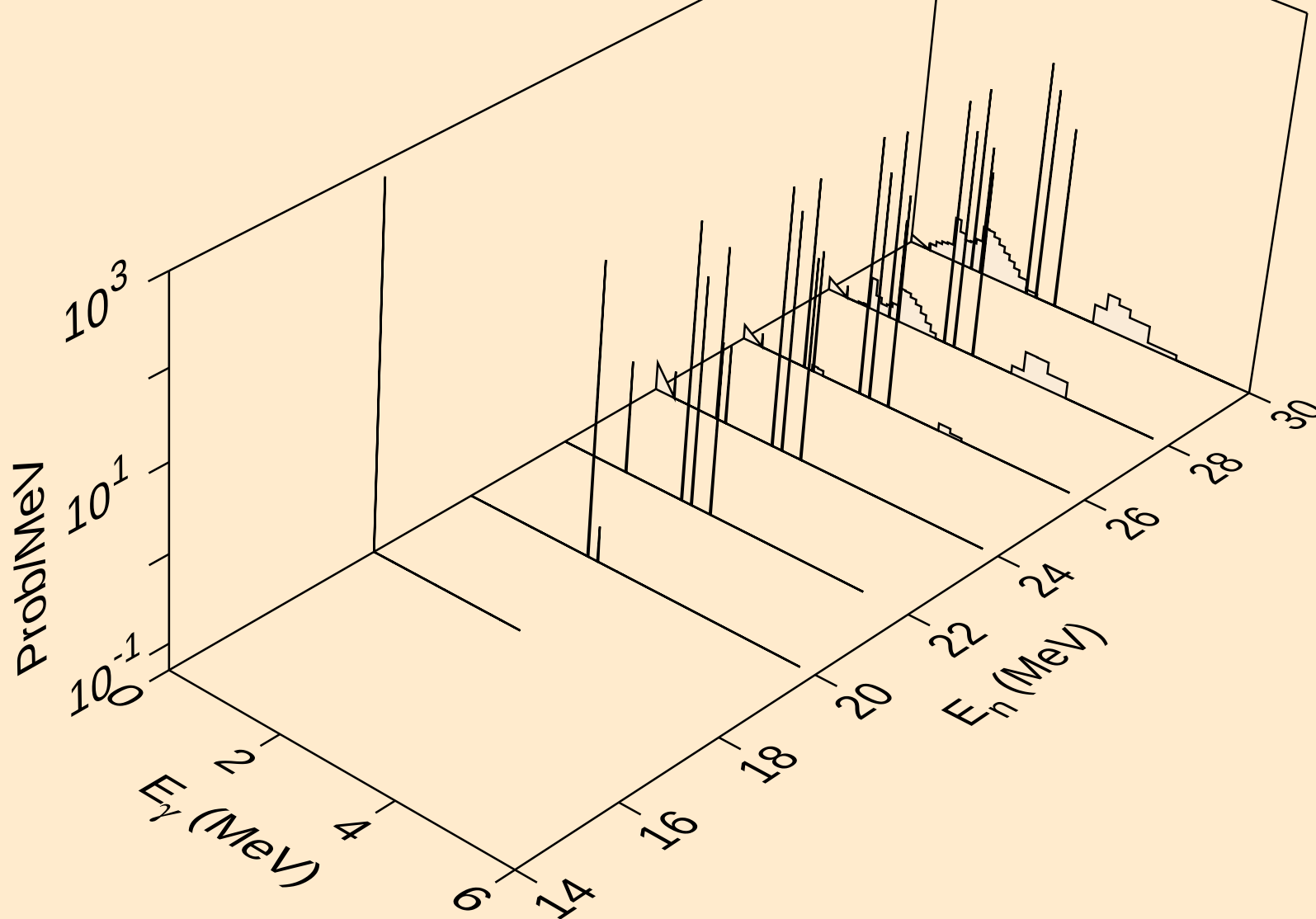
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



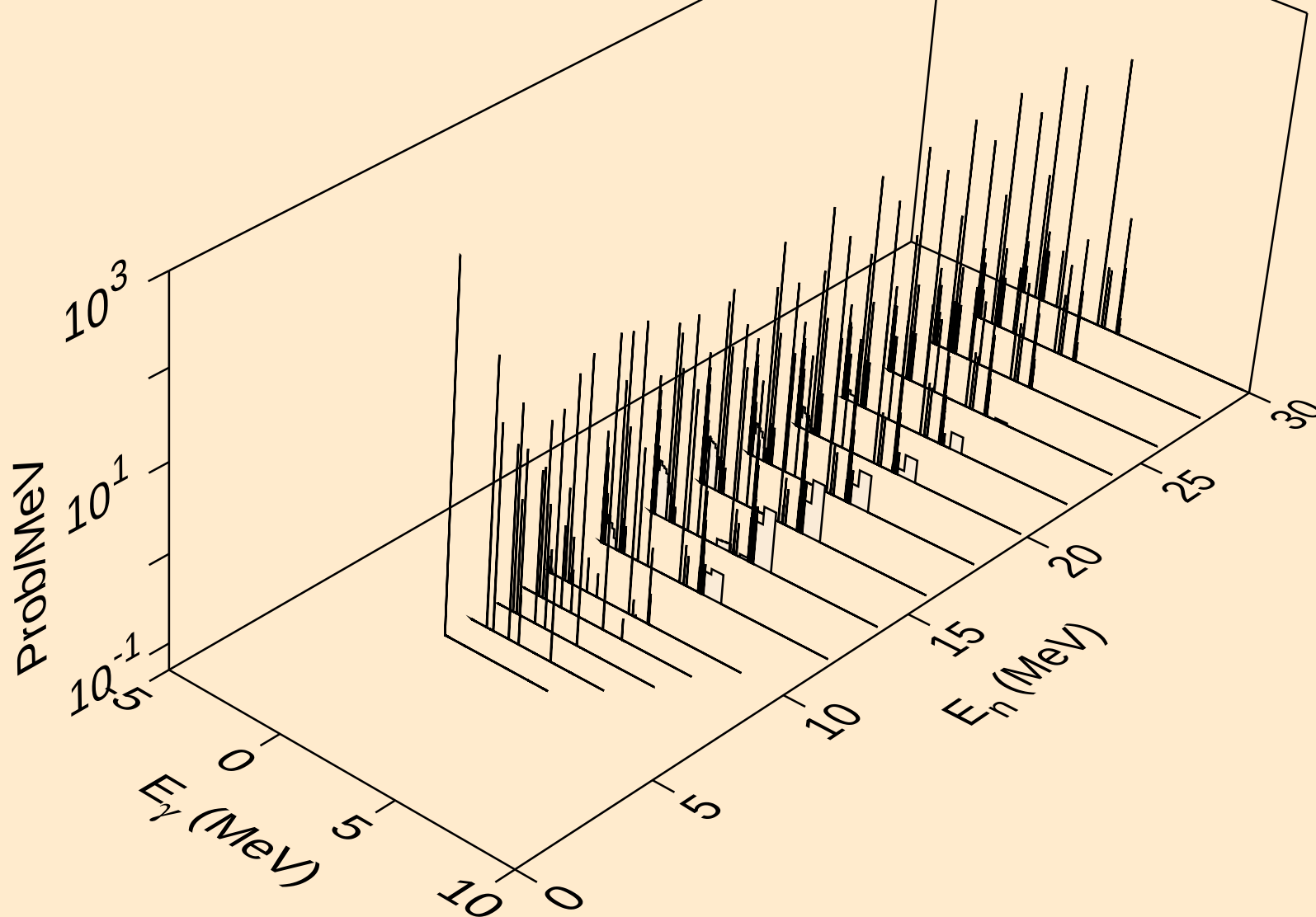
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



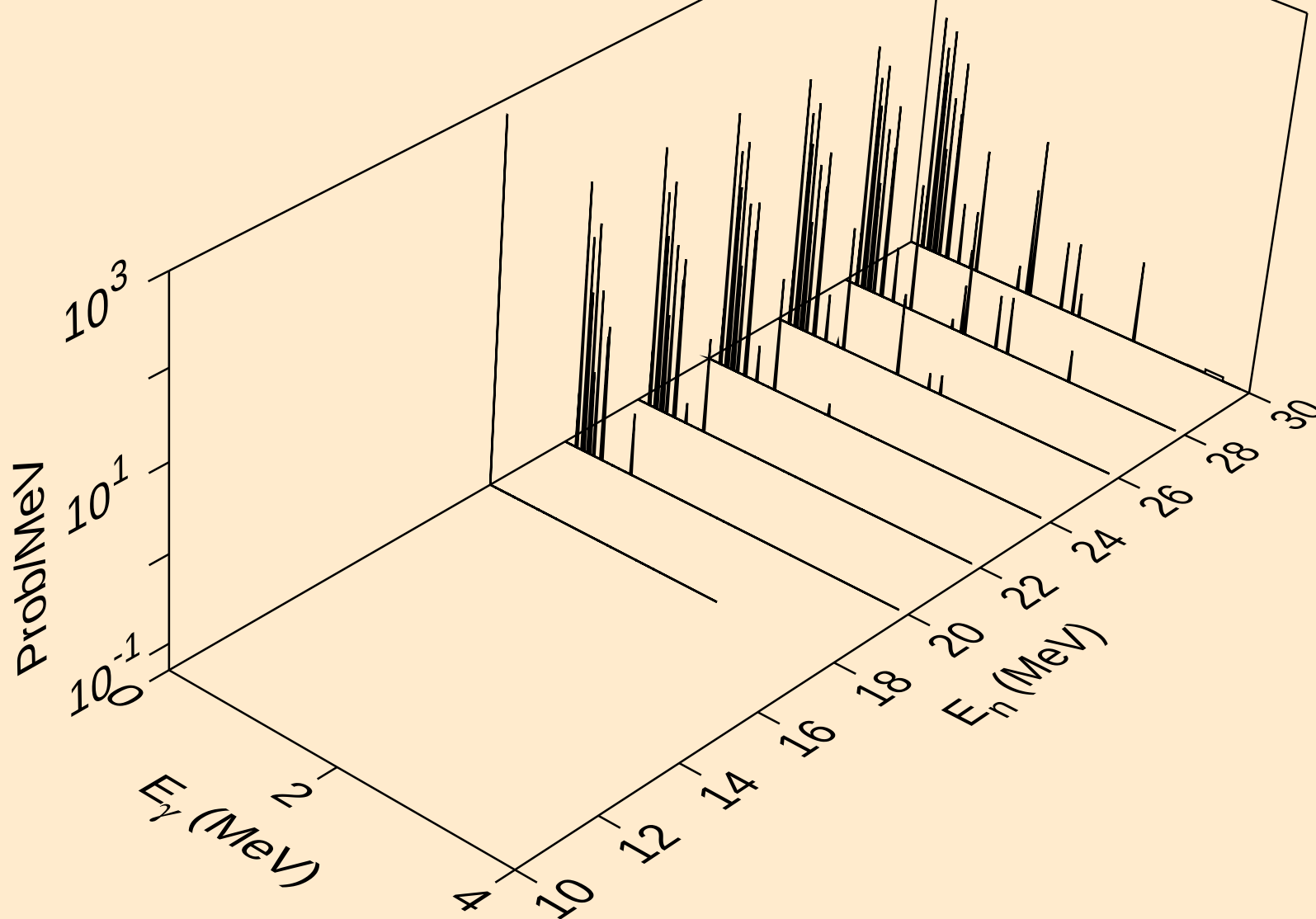
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

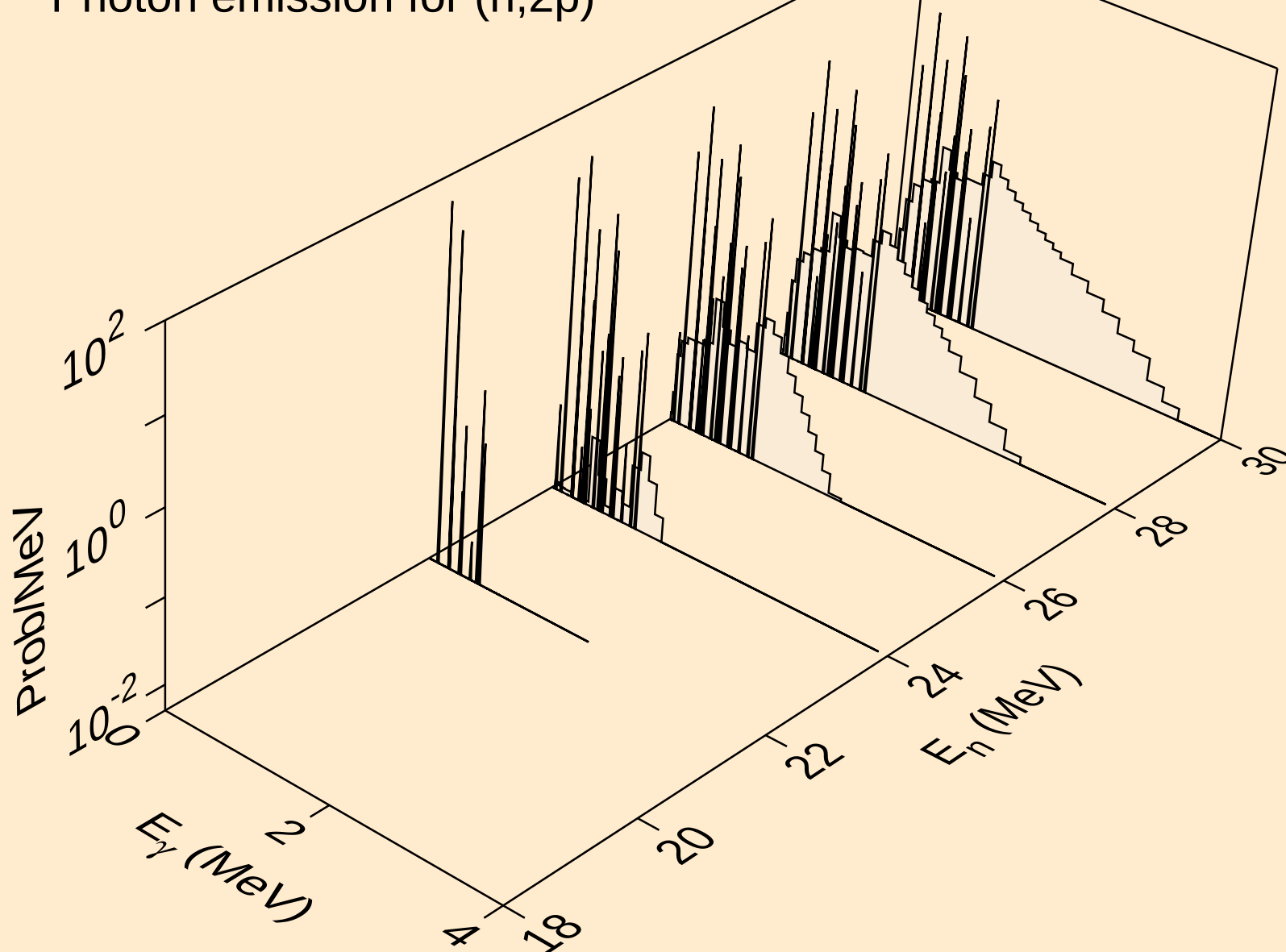


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

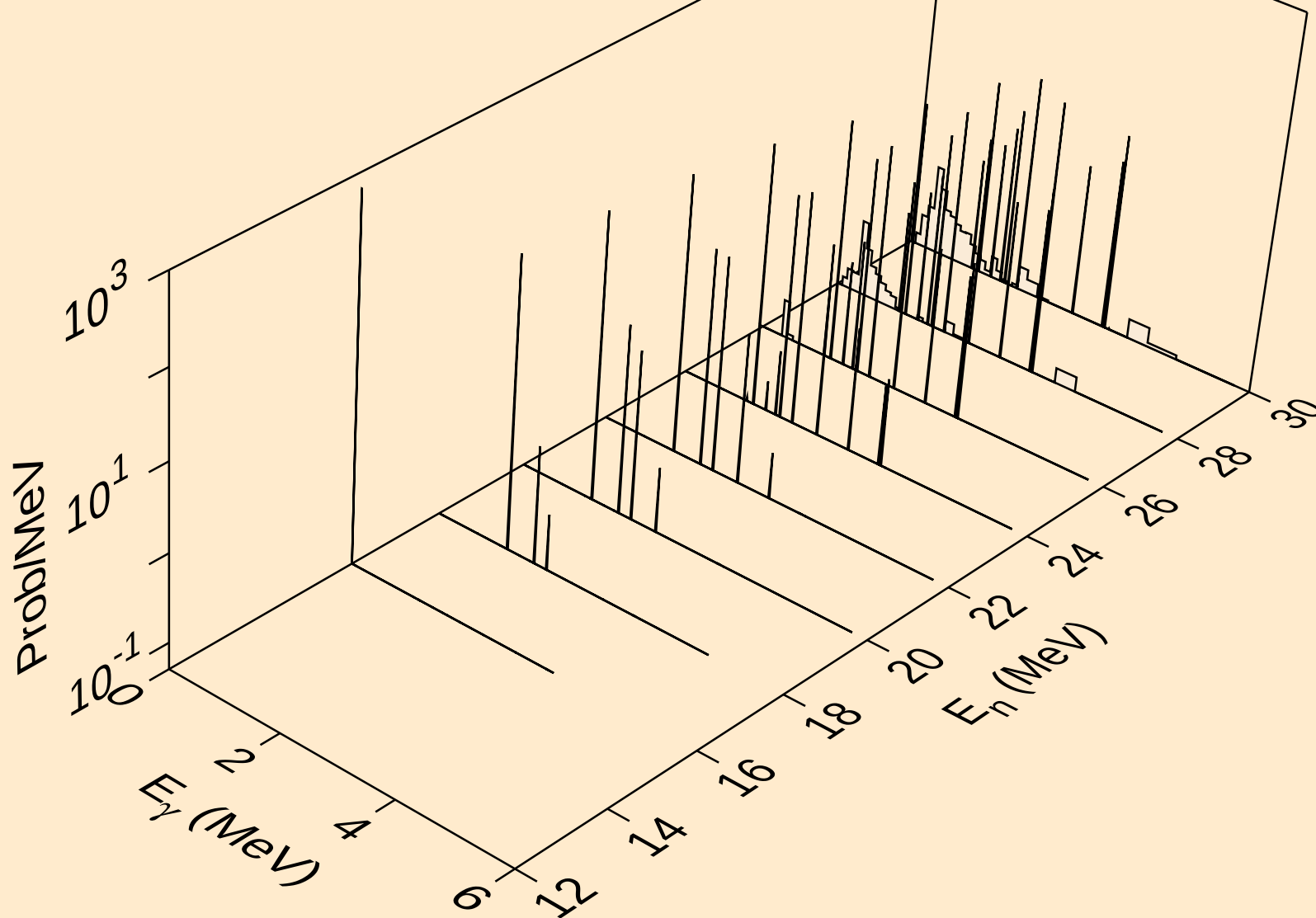


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2p)

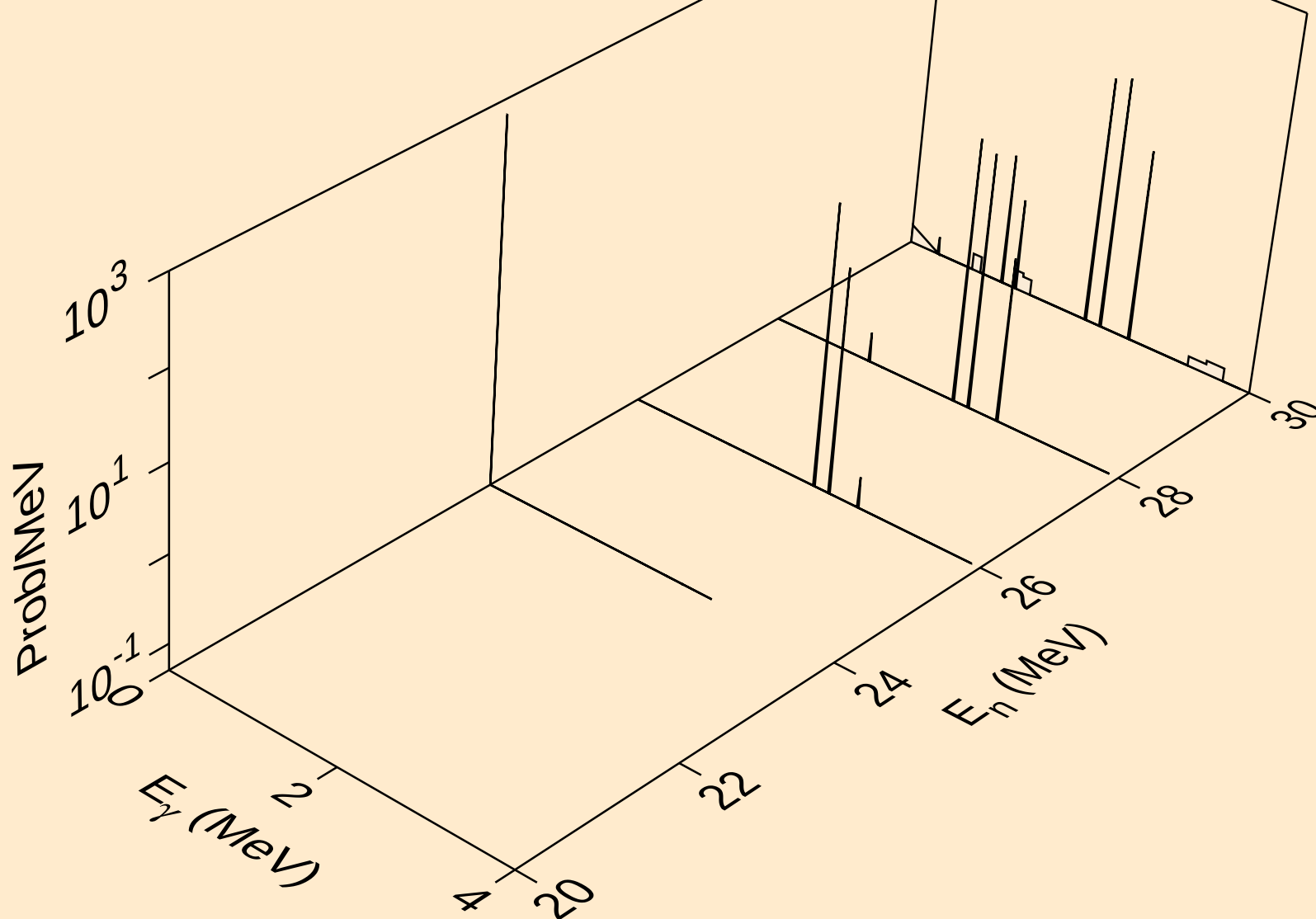


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



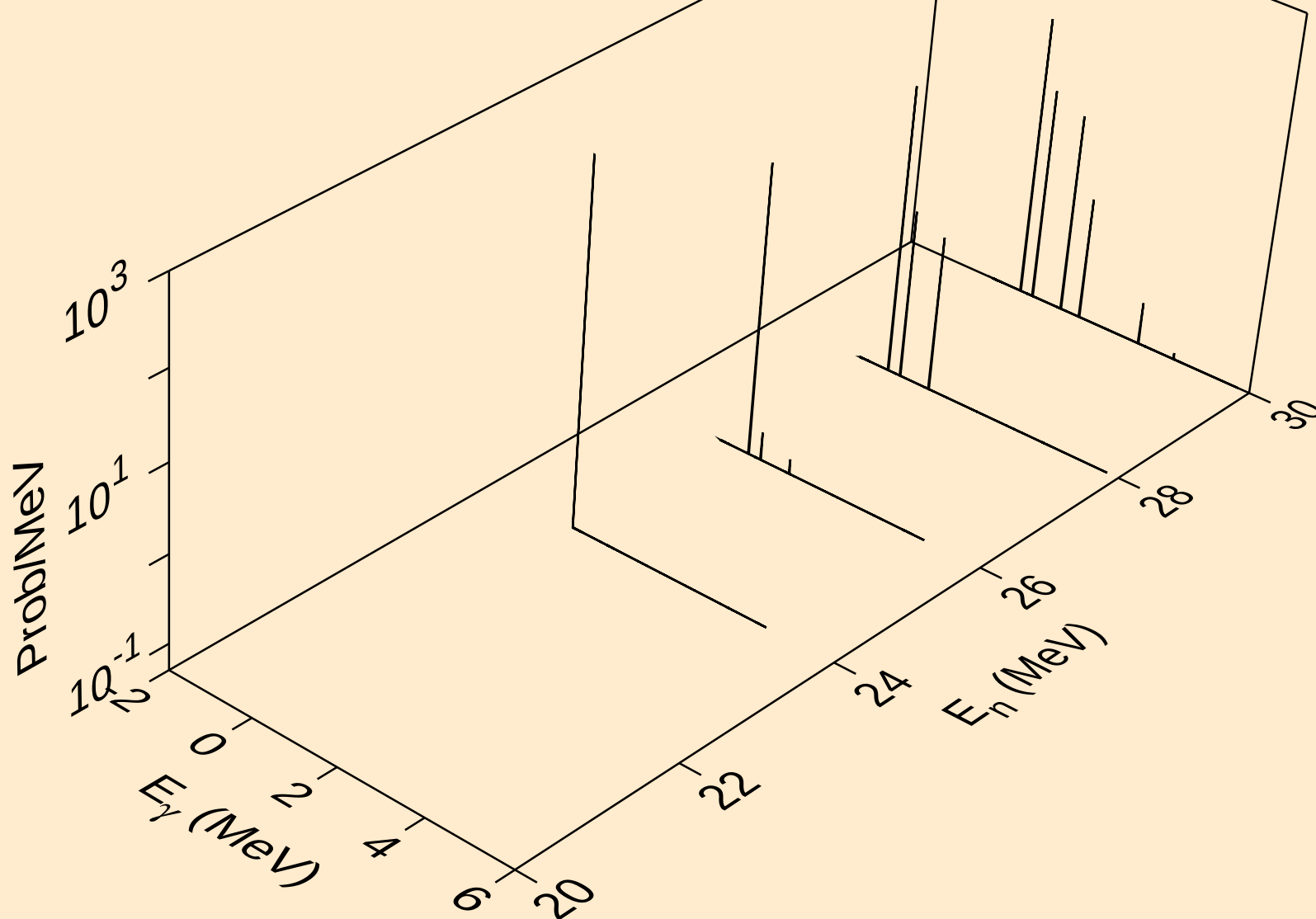
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pd)

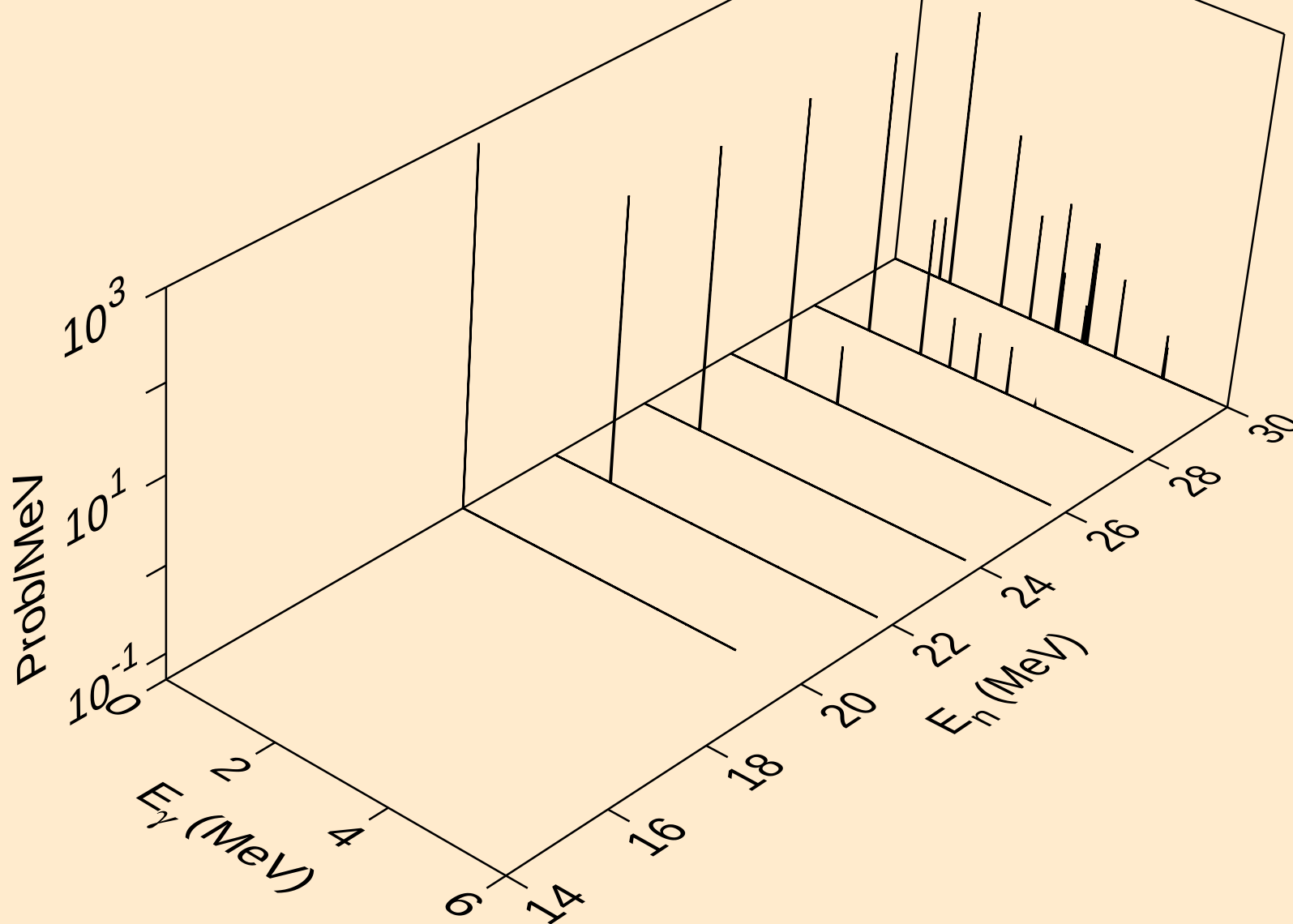


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

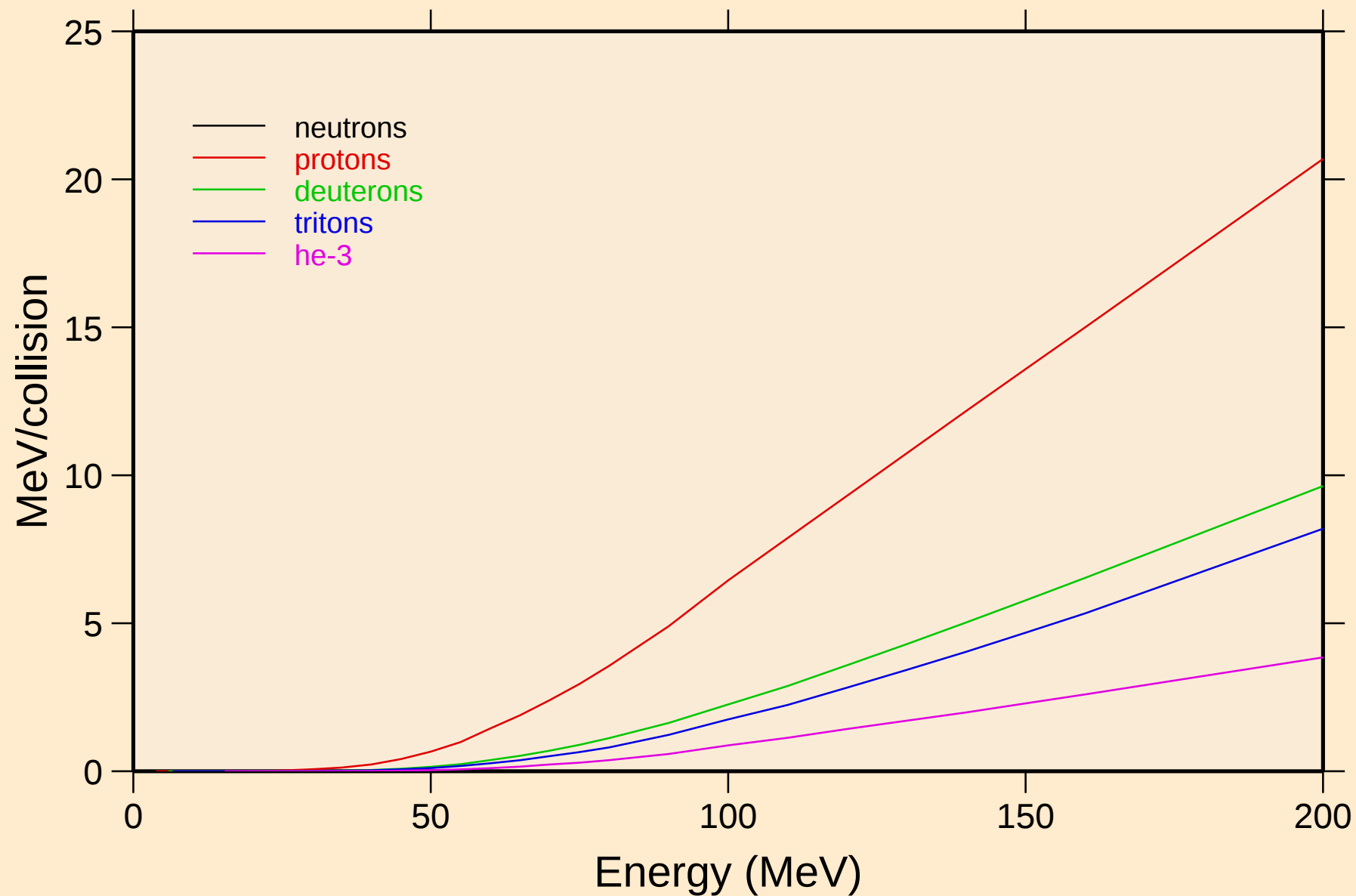


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



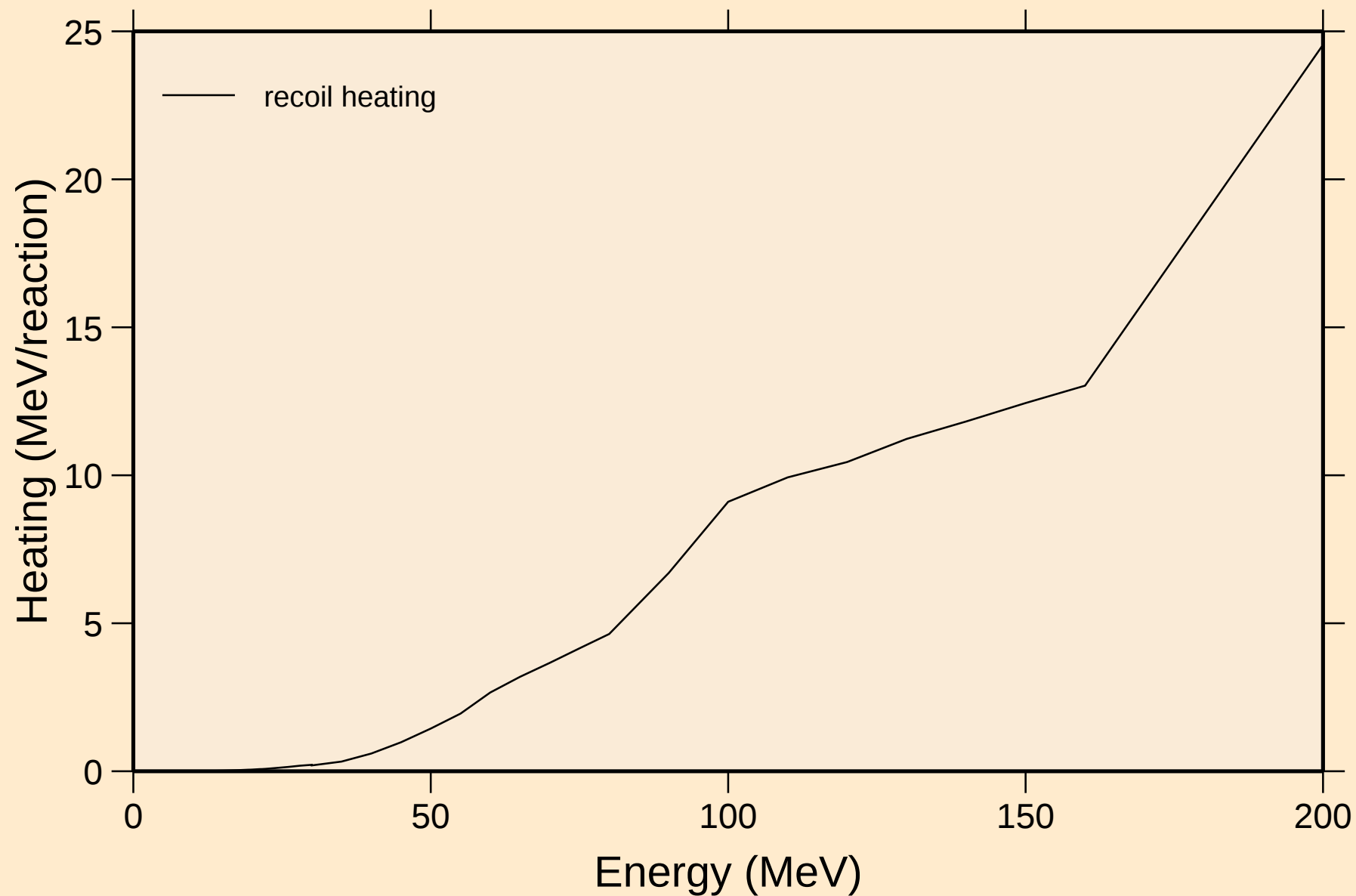
# SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



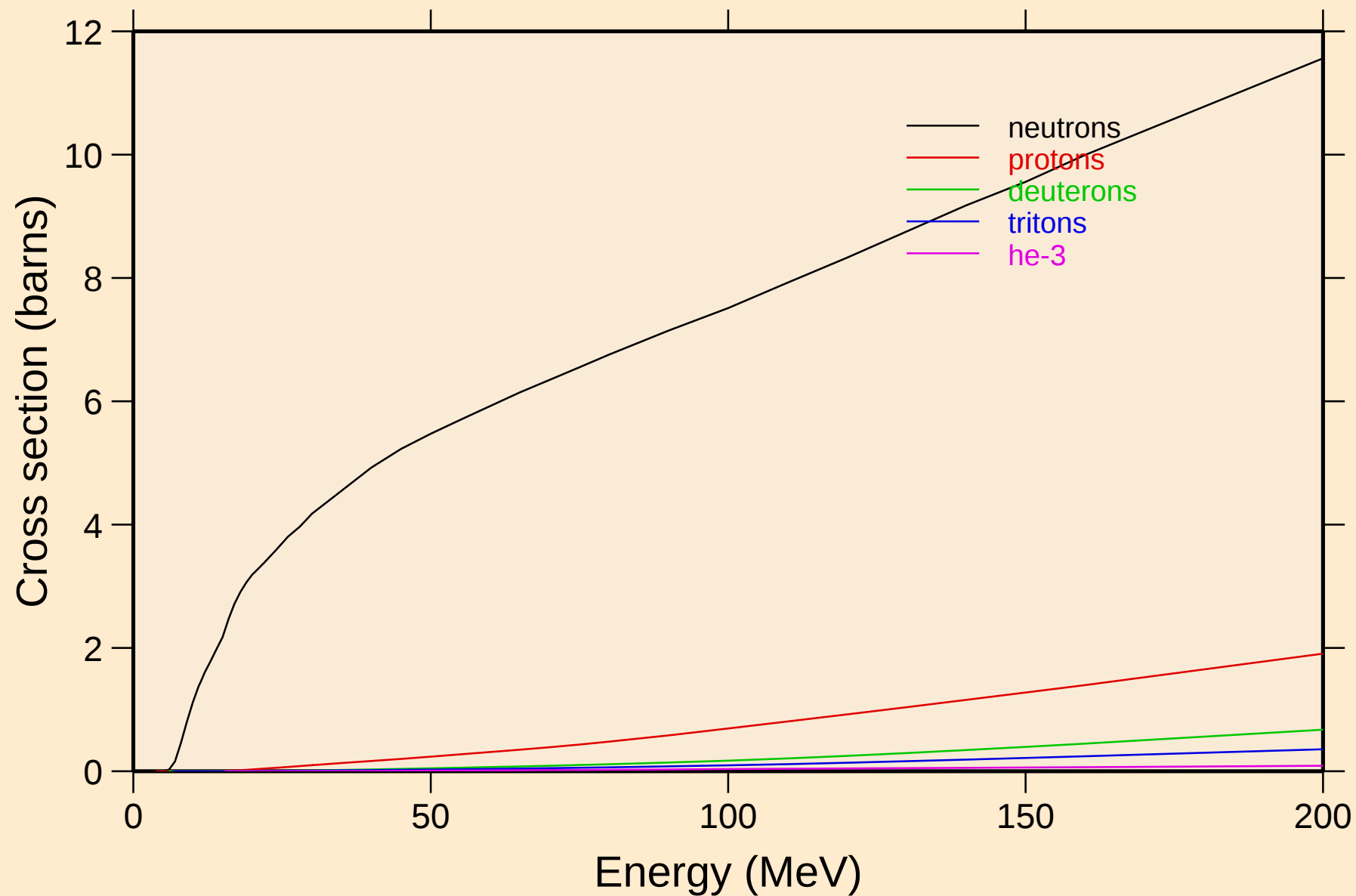
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

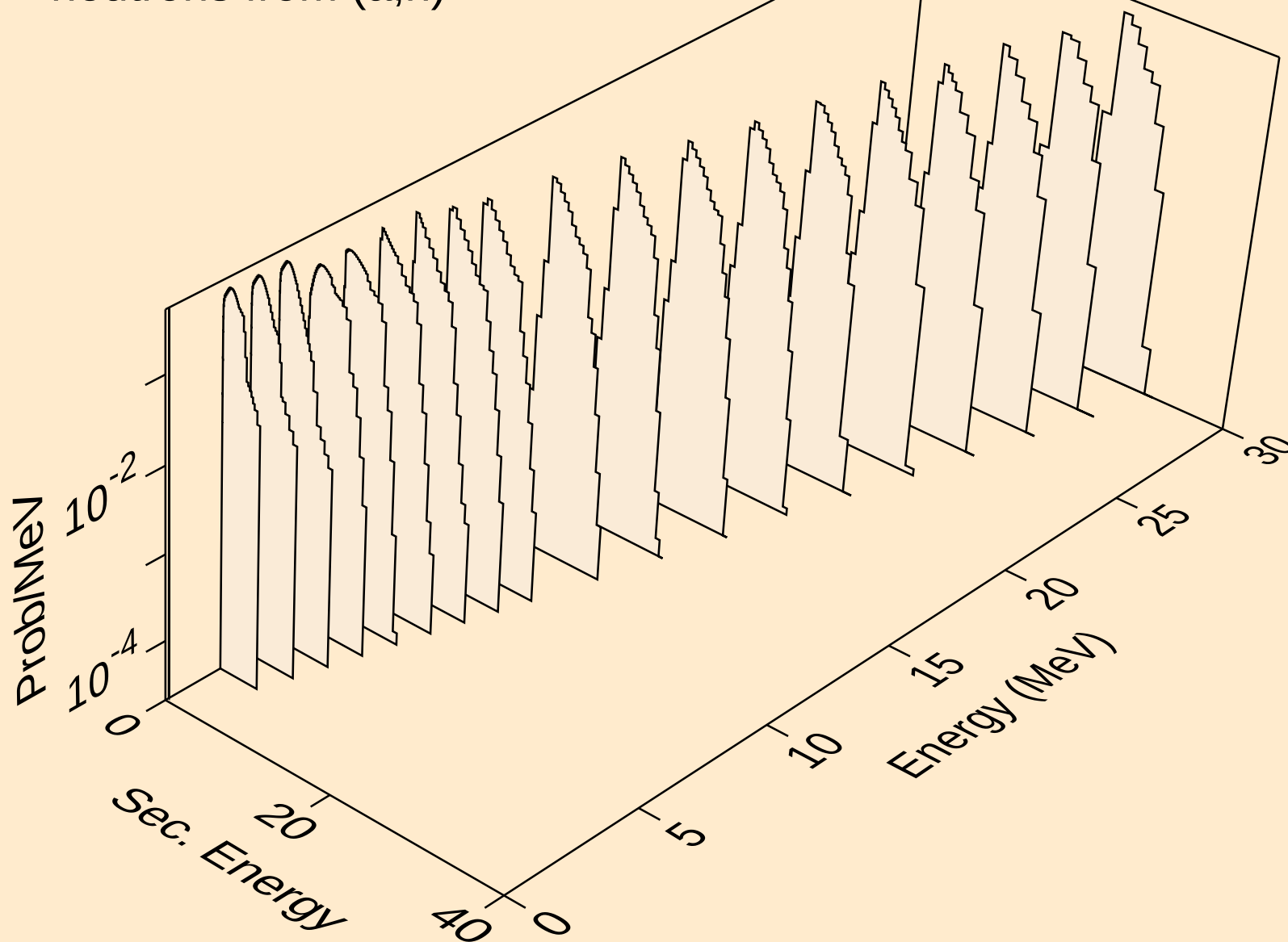


SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

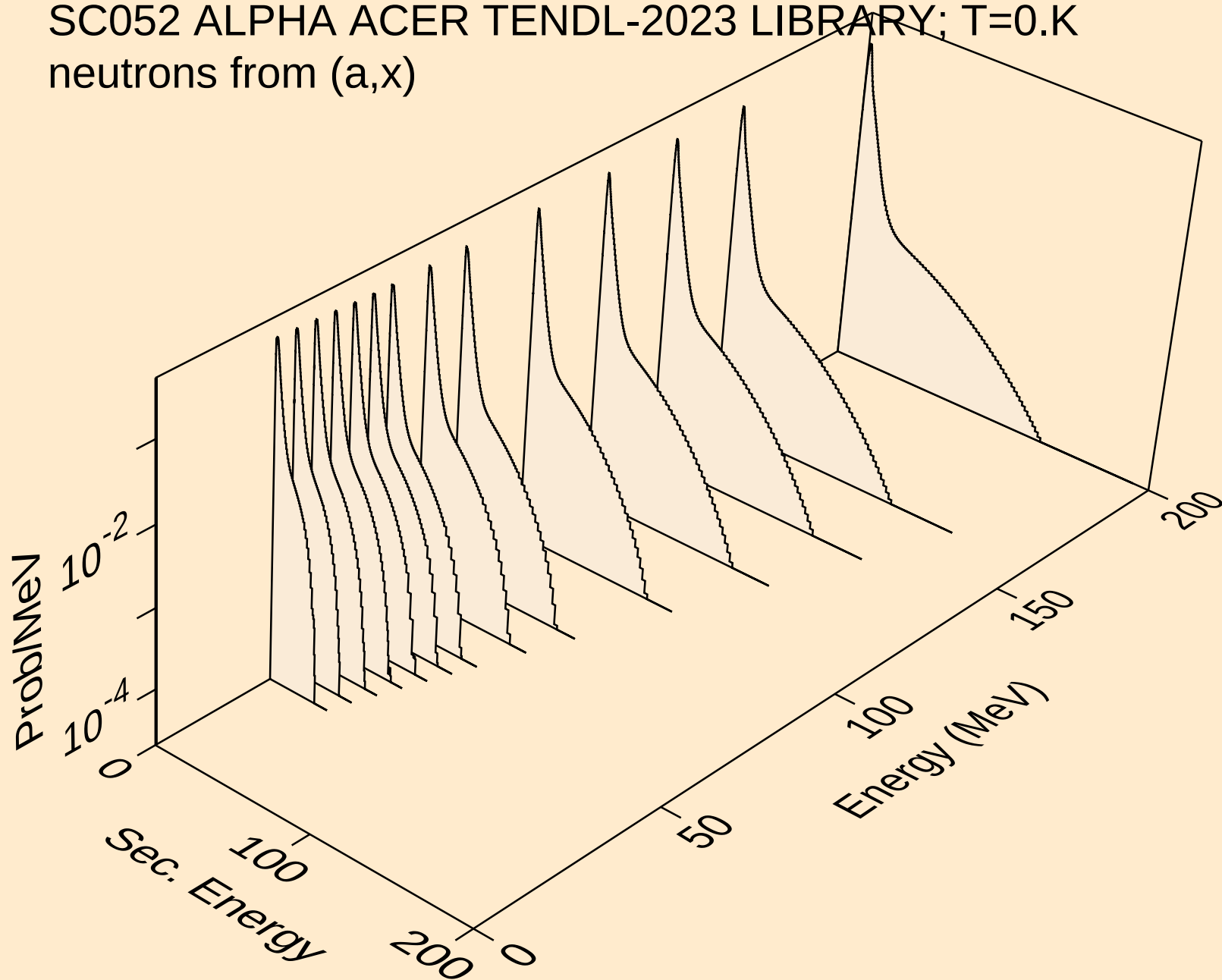
Particle production cross sections



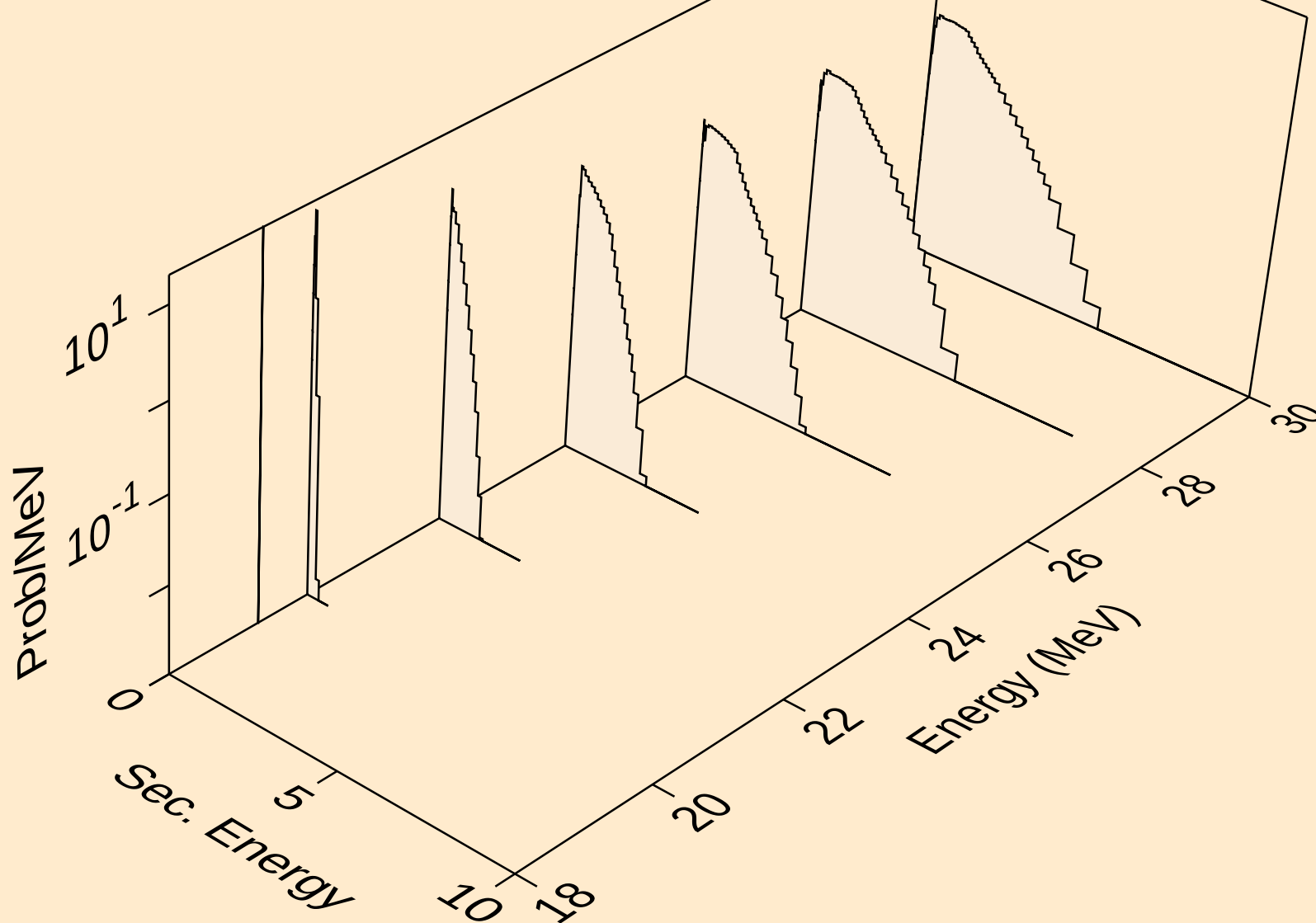
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



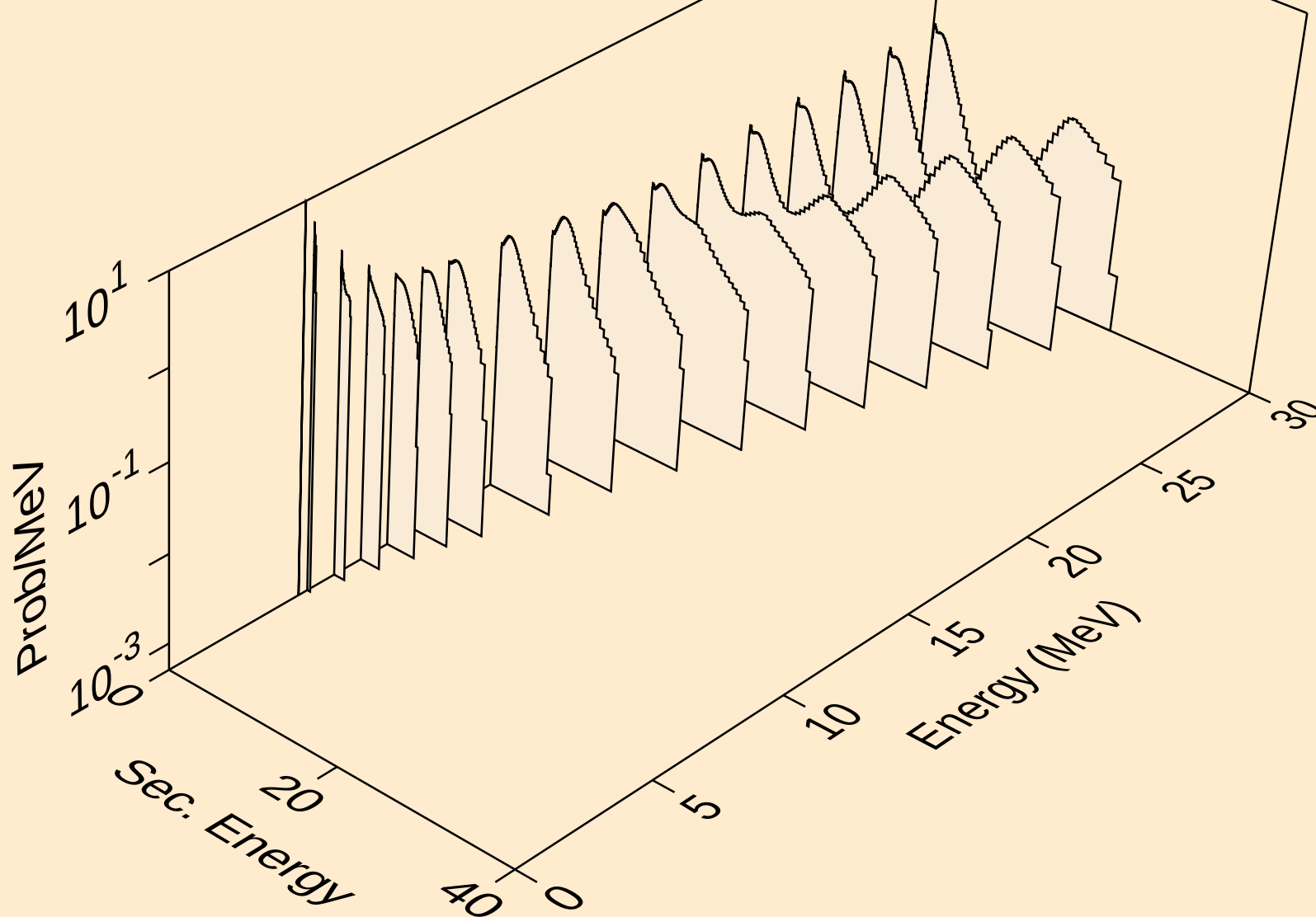
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



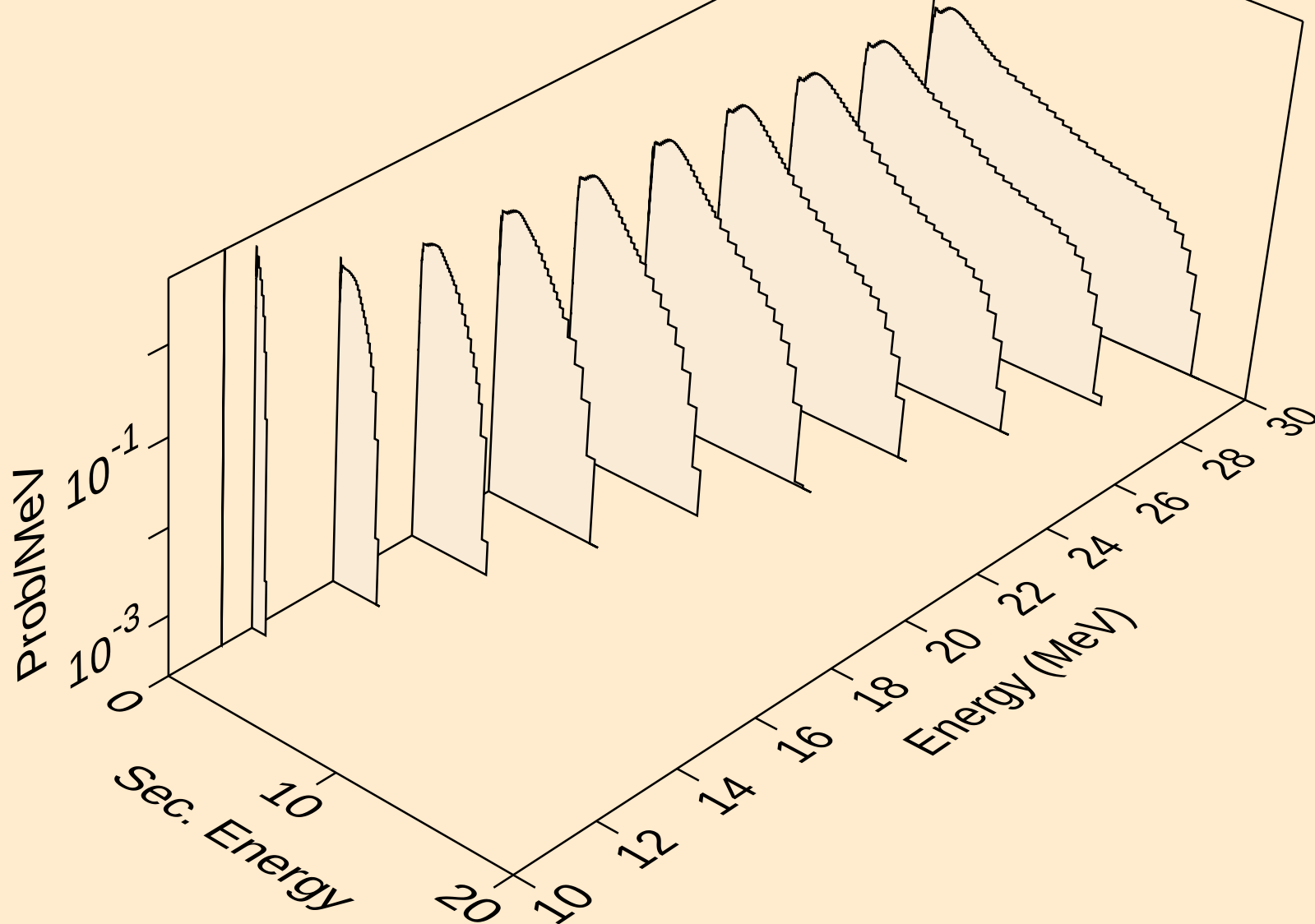
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2nd)



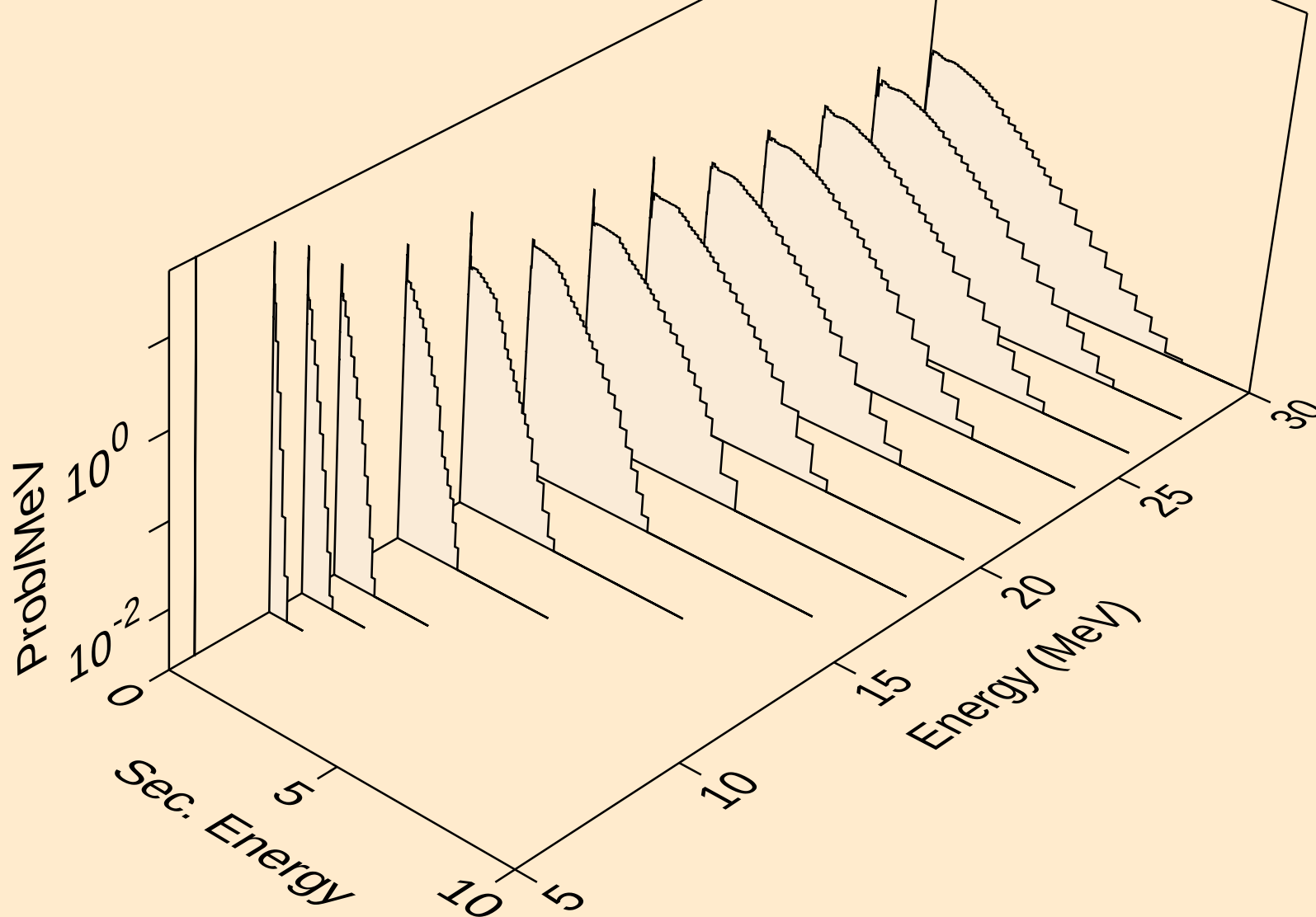
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neutrons from (a,2n)



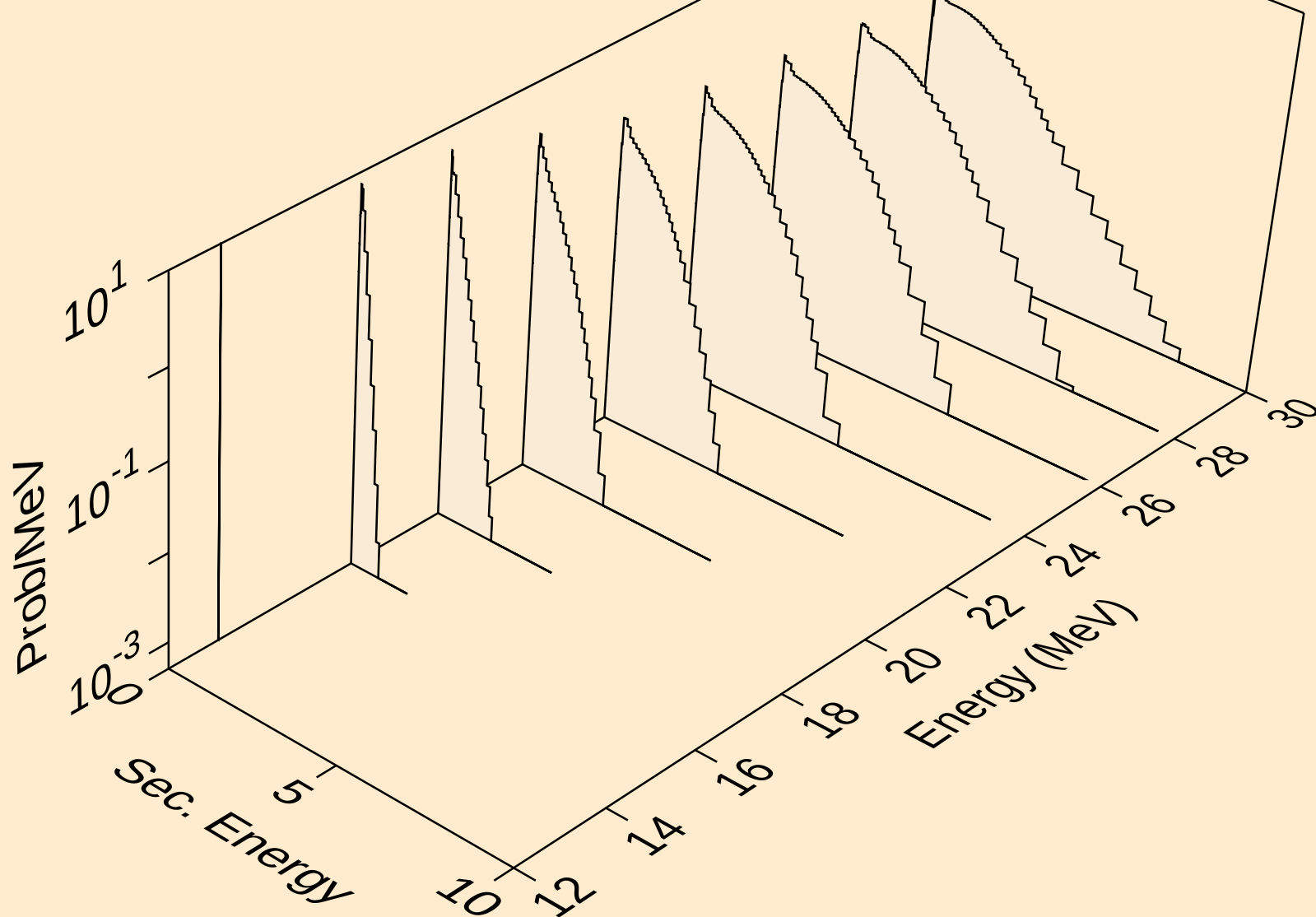
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neutrons from (a,3n)



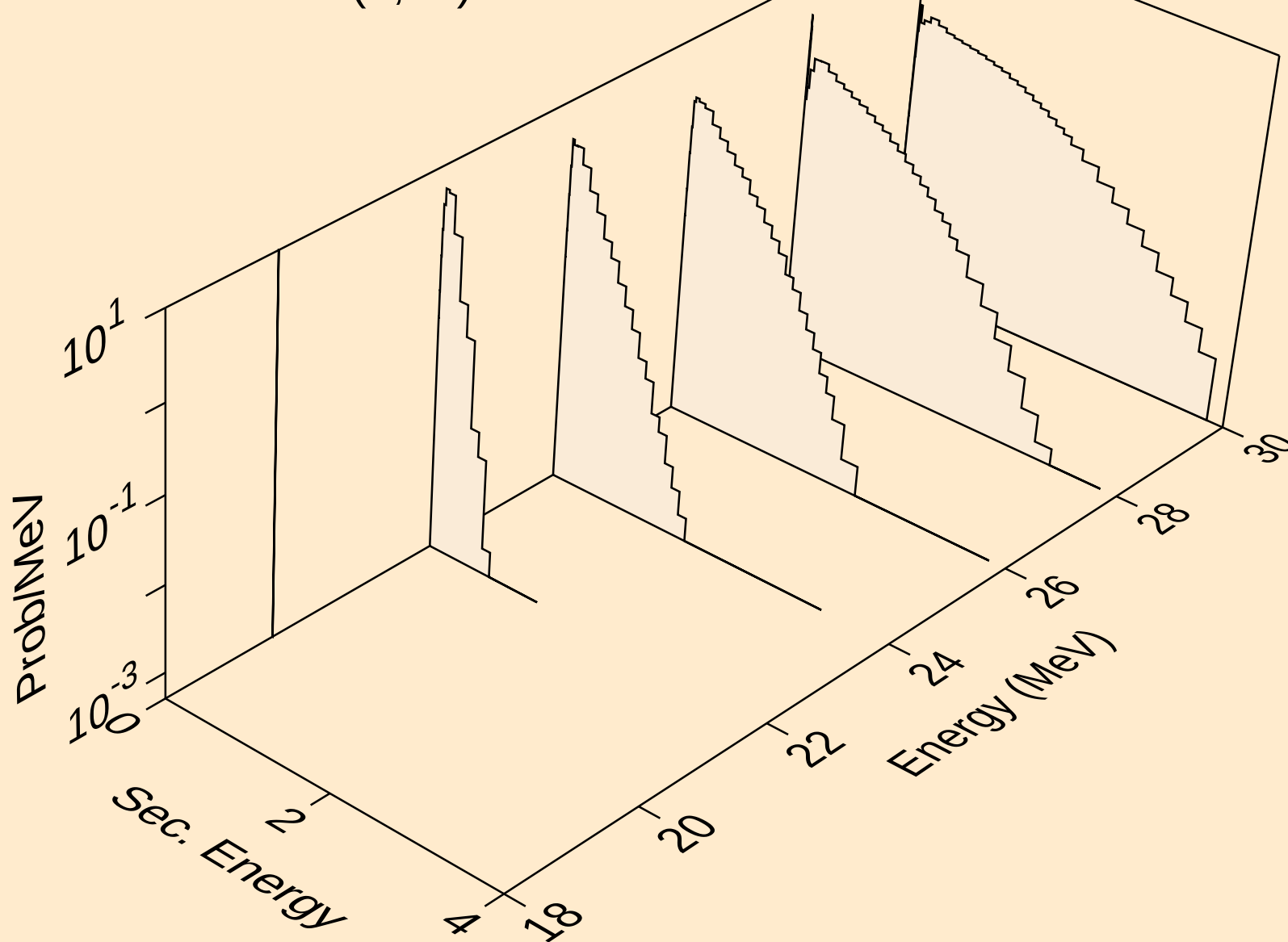
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neutrons from (a,n\*)a



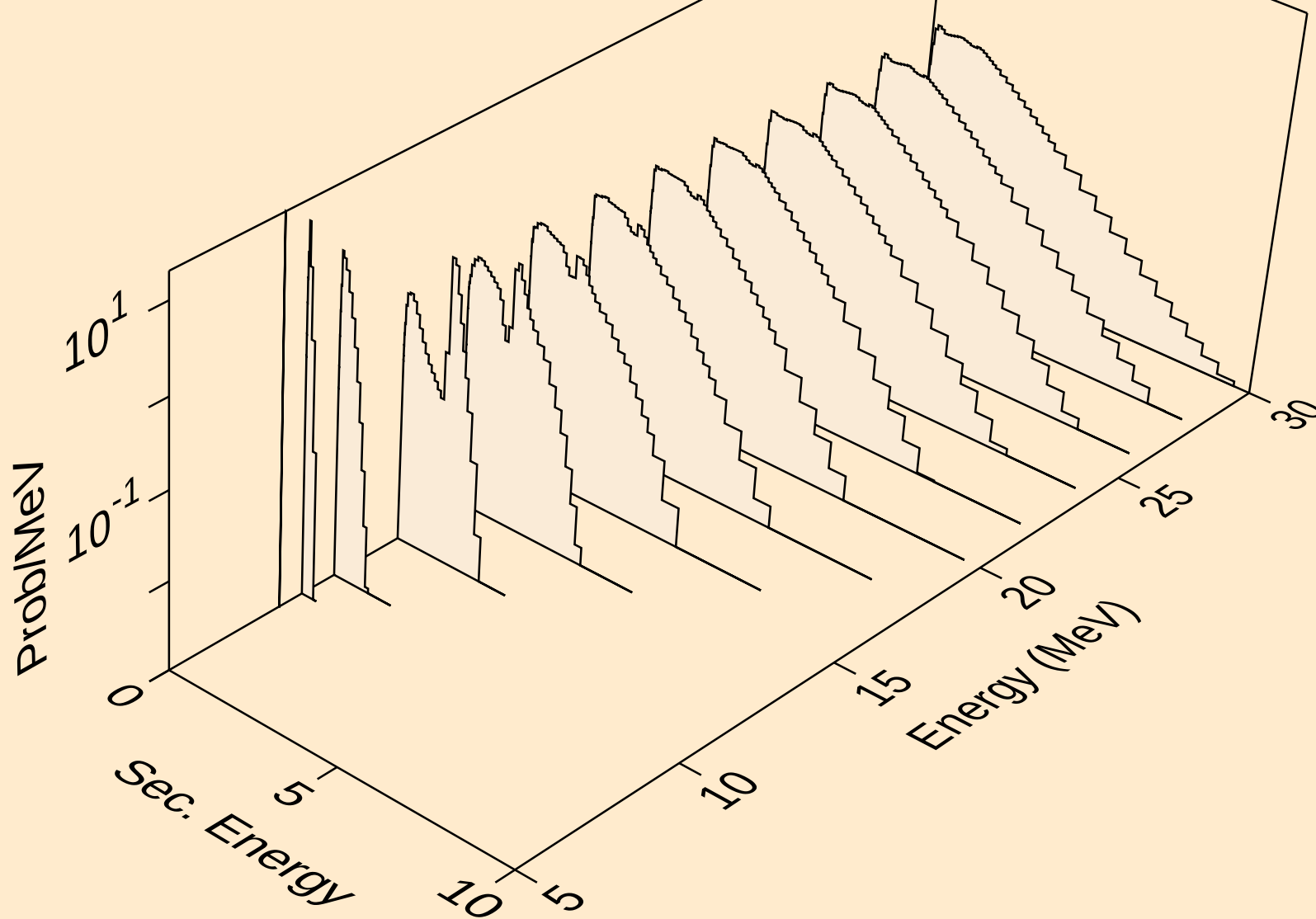
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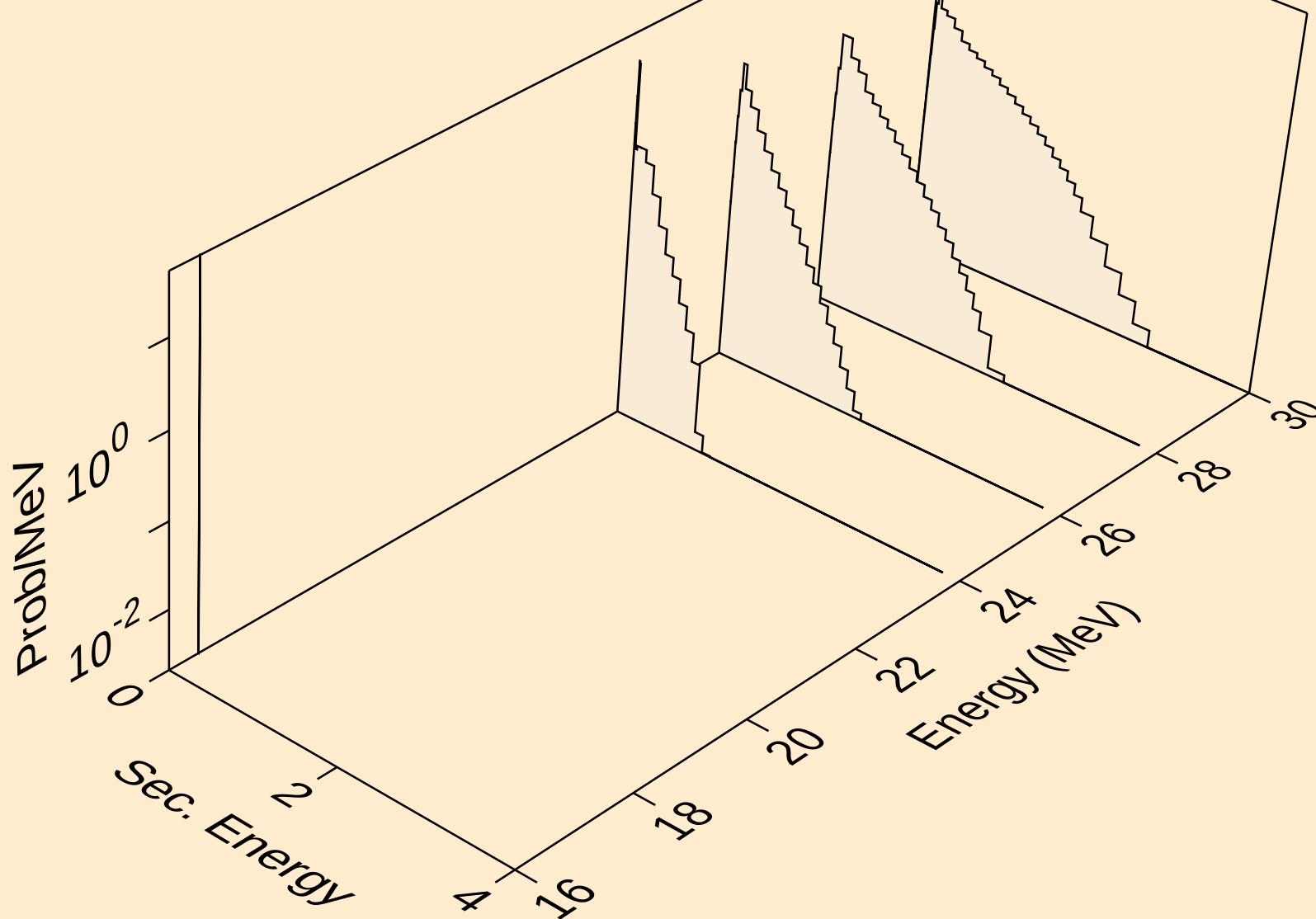
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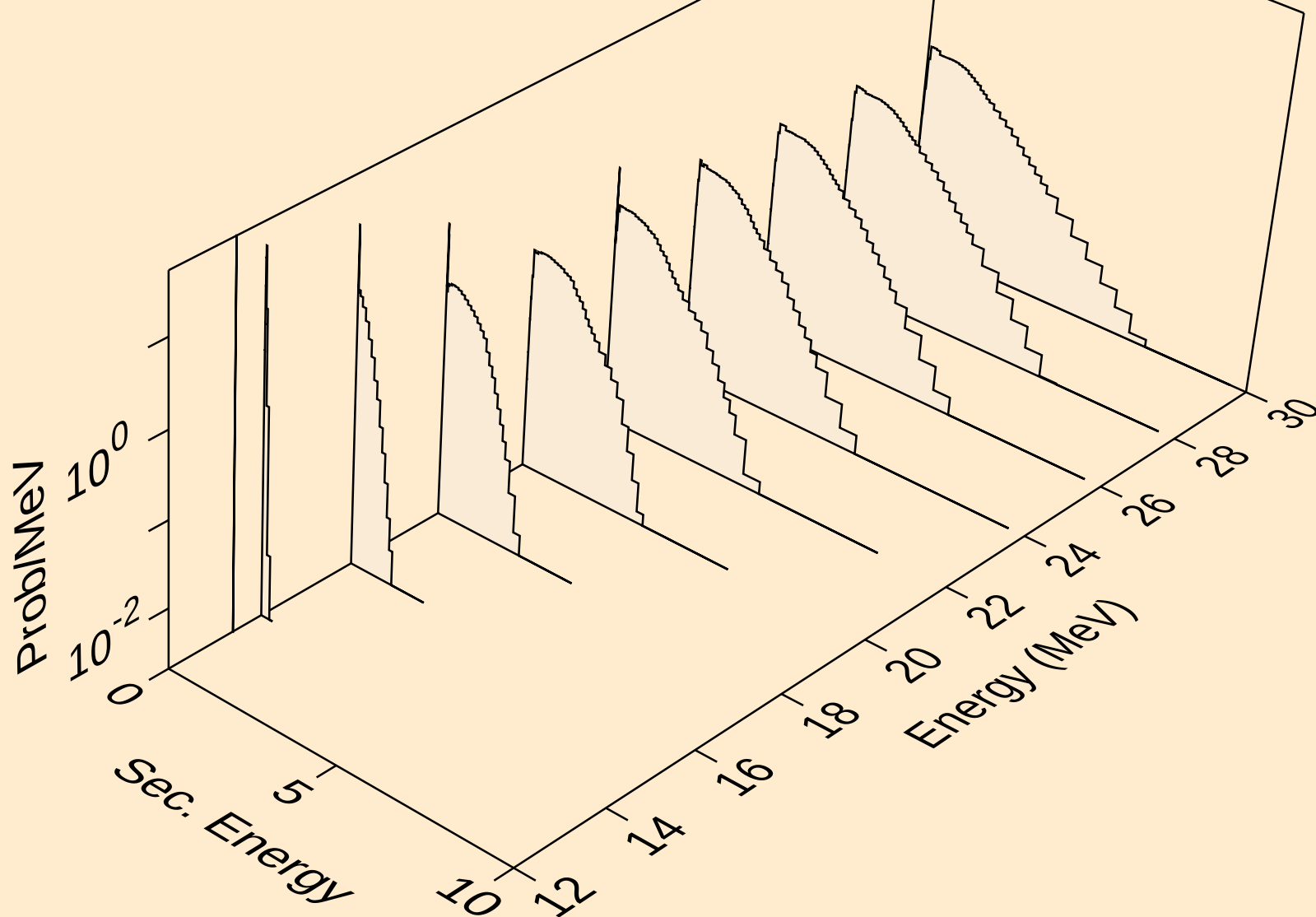
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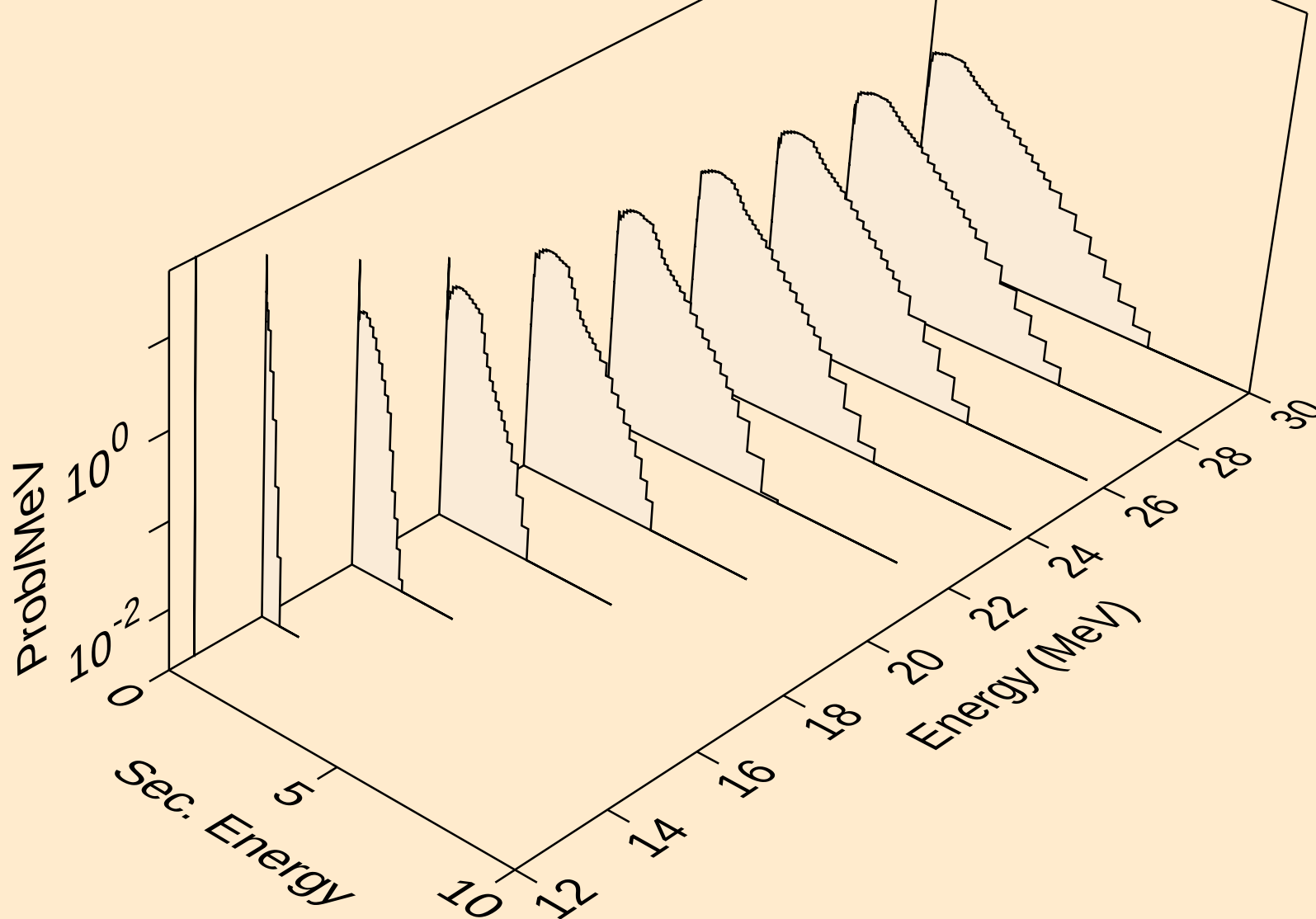
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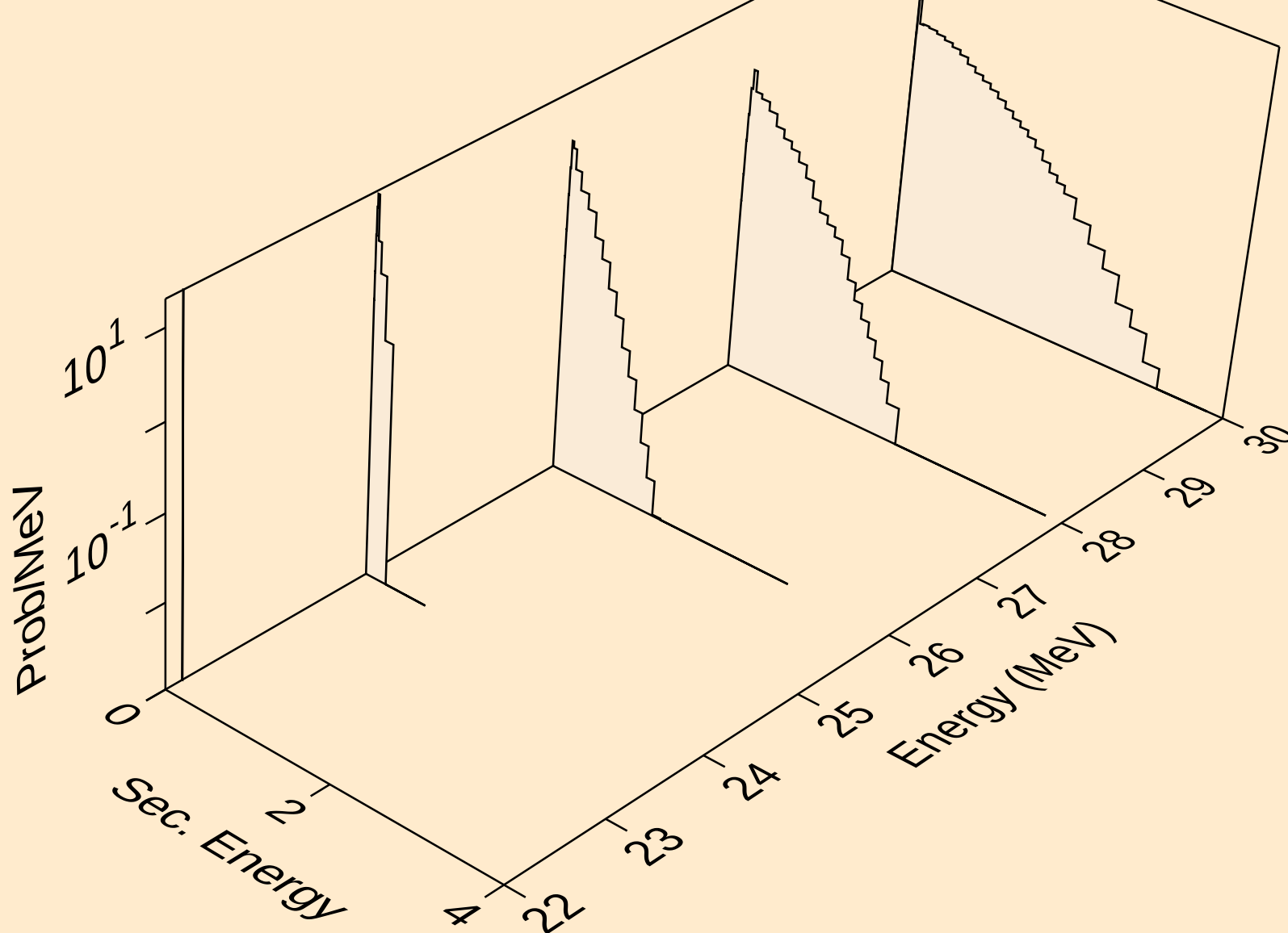
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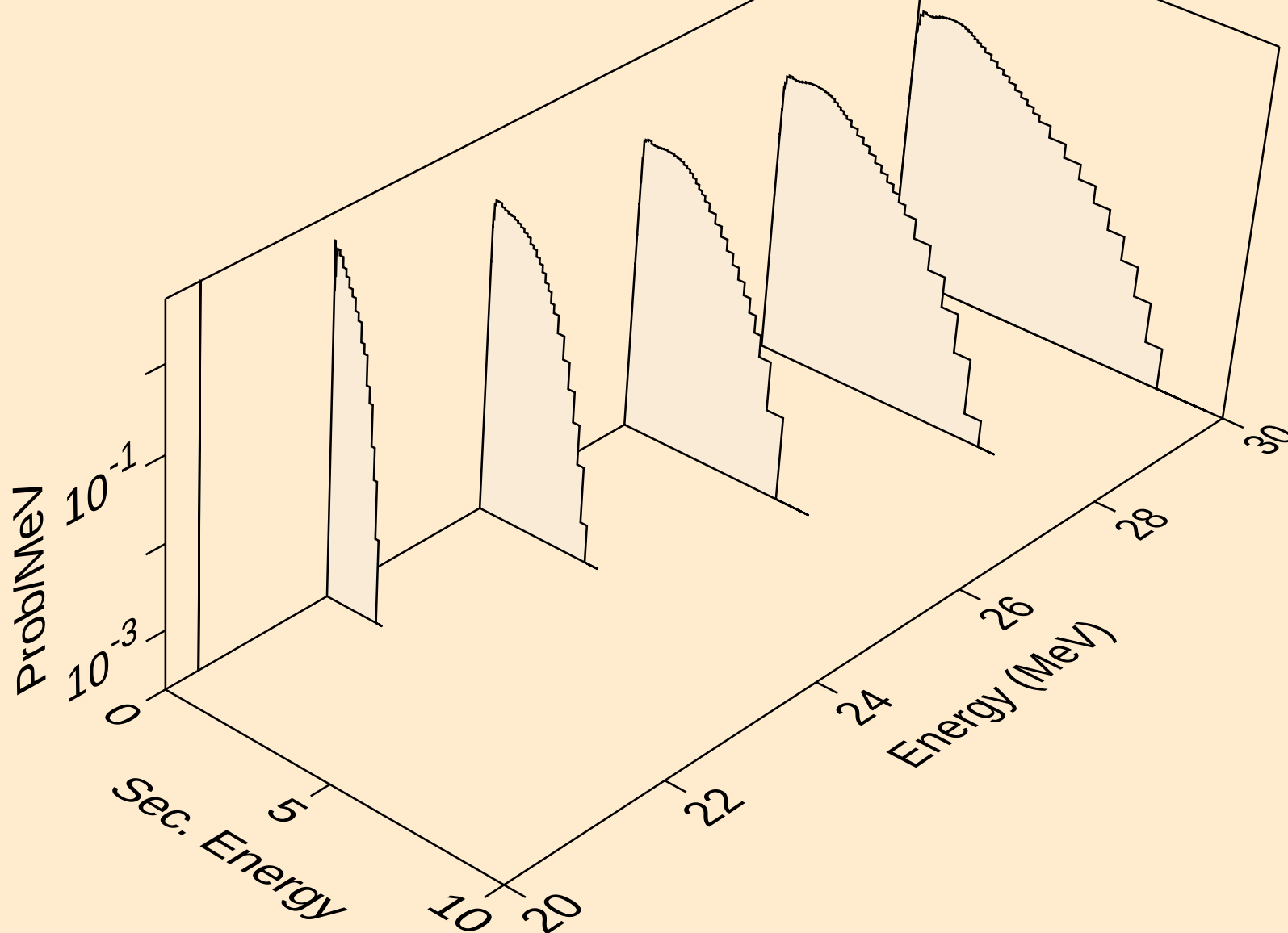
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neutrons from (a,n\*)t



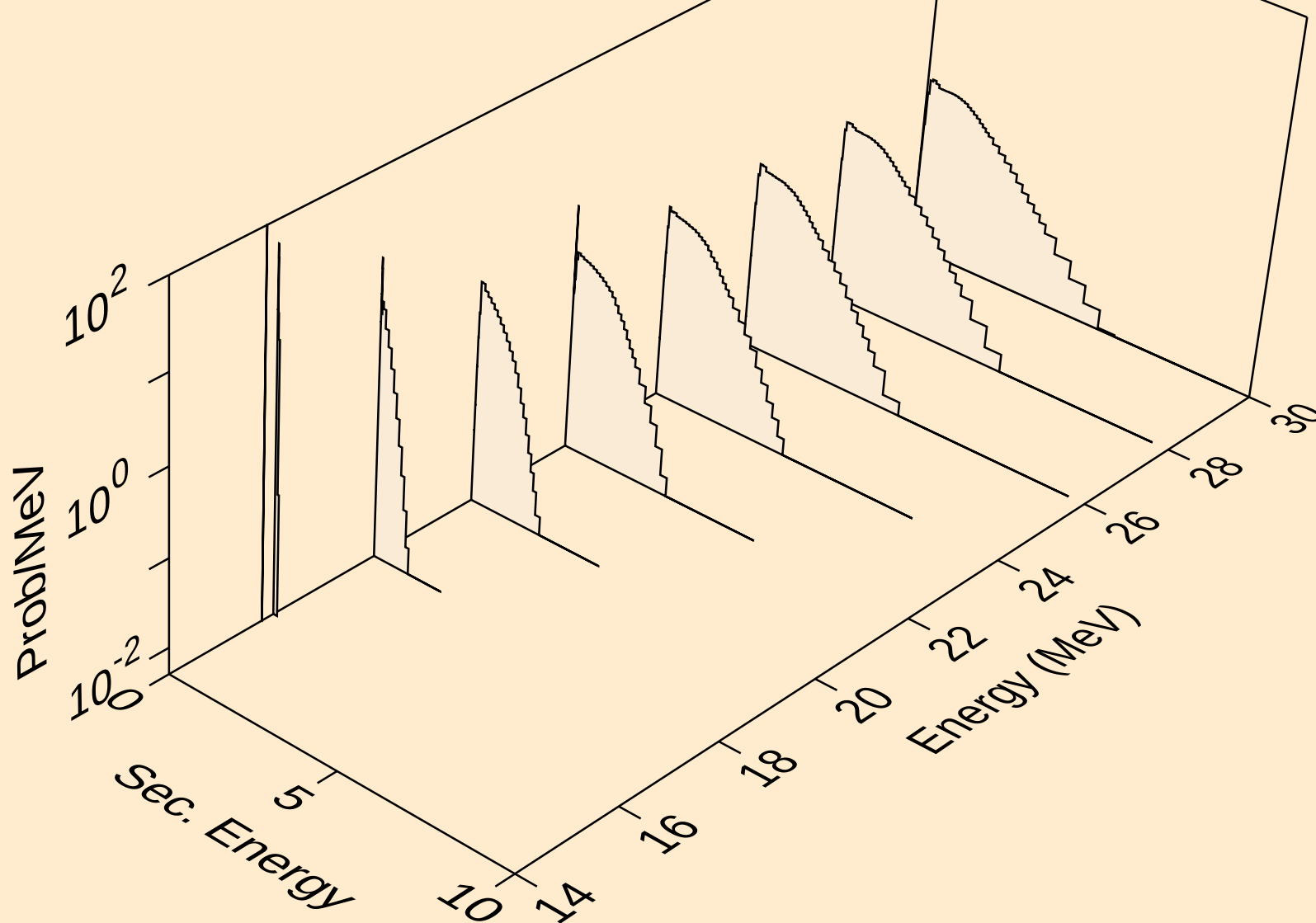
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neutrons from (a,n\*)he3



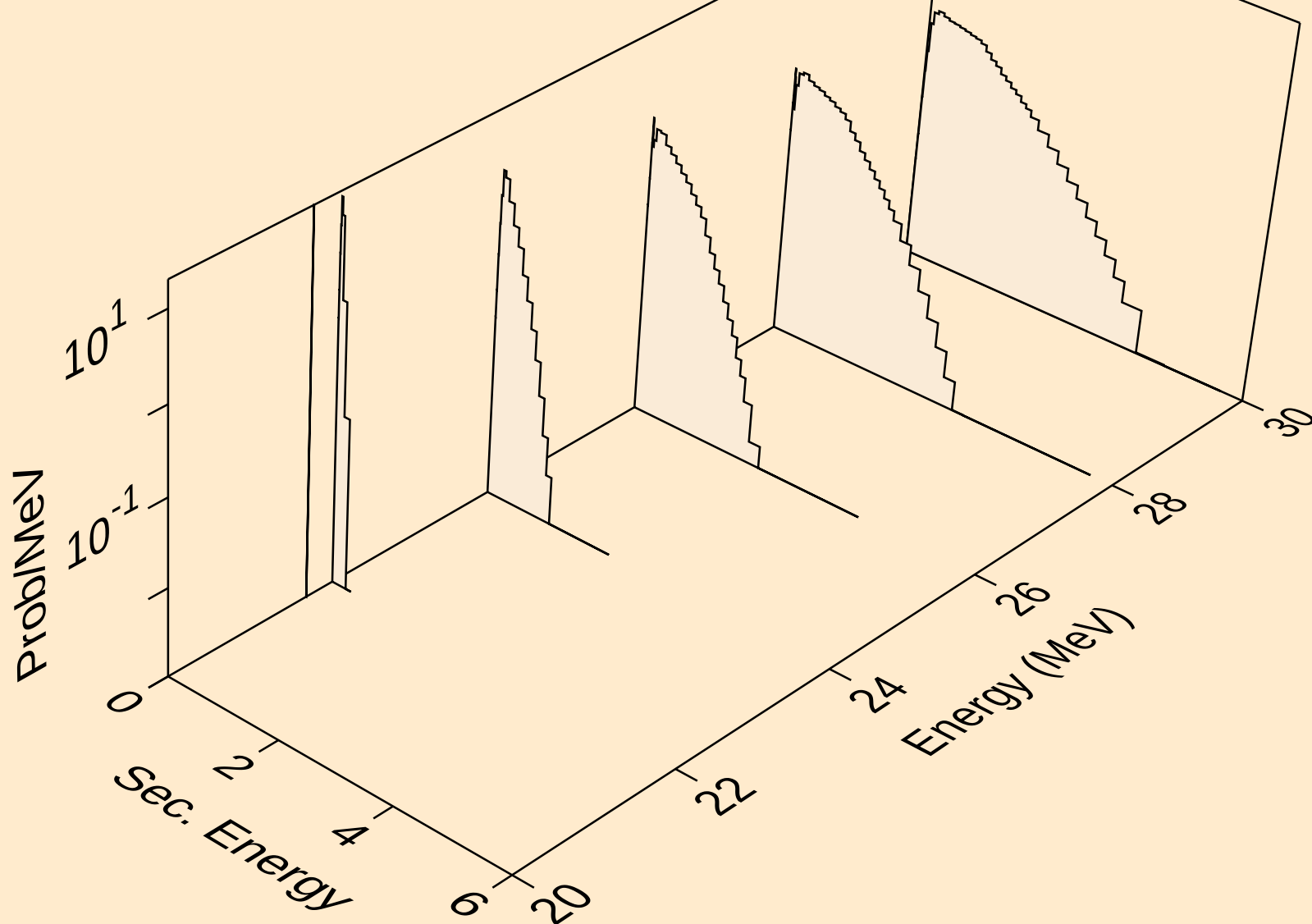
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neutrons from (a,4n)



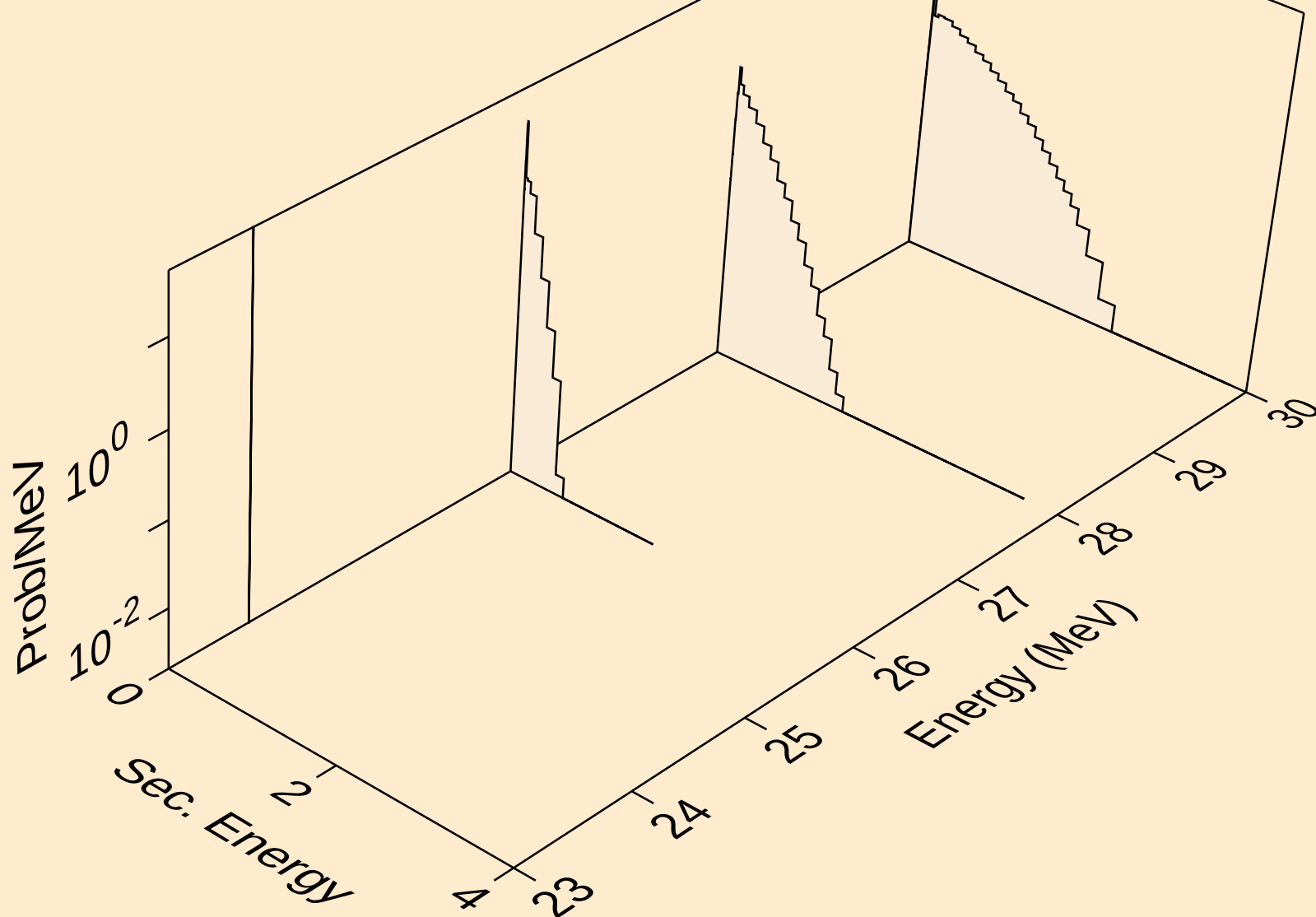
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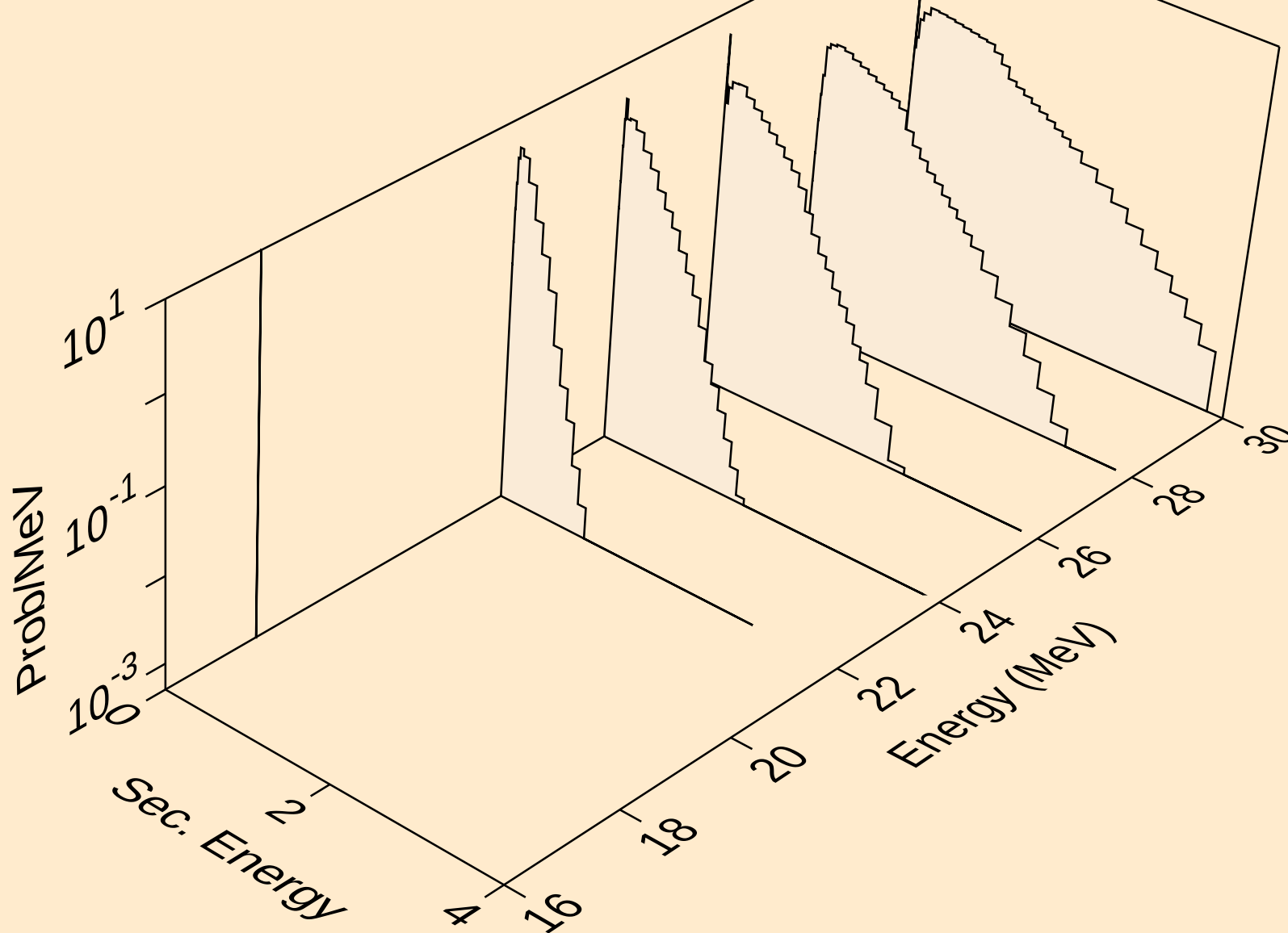
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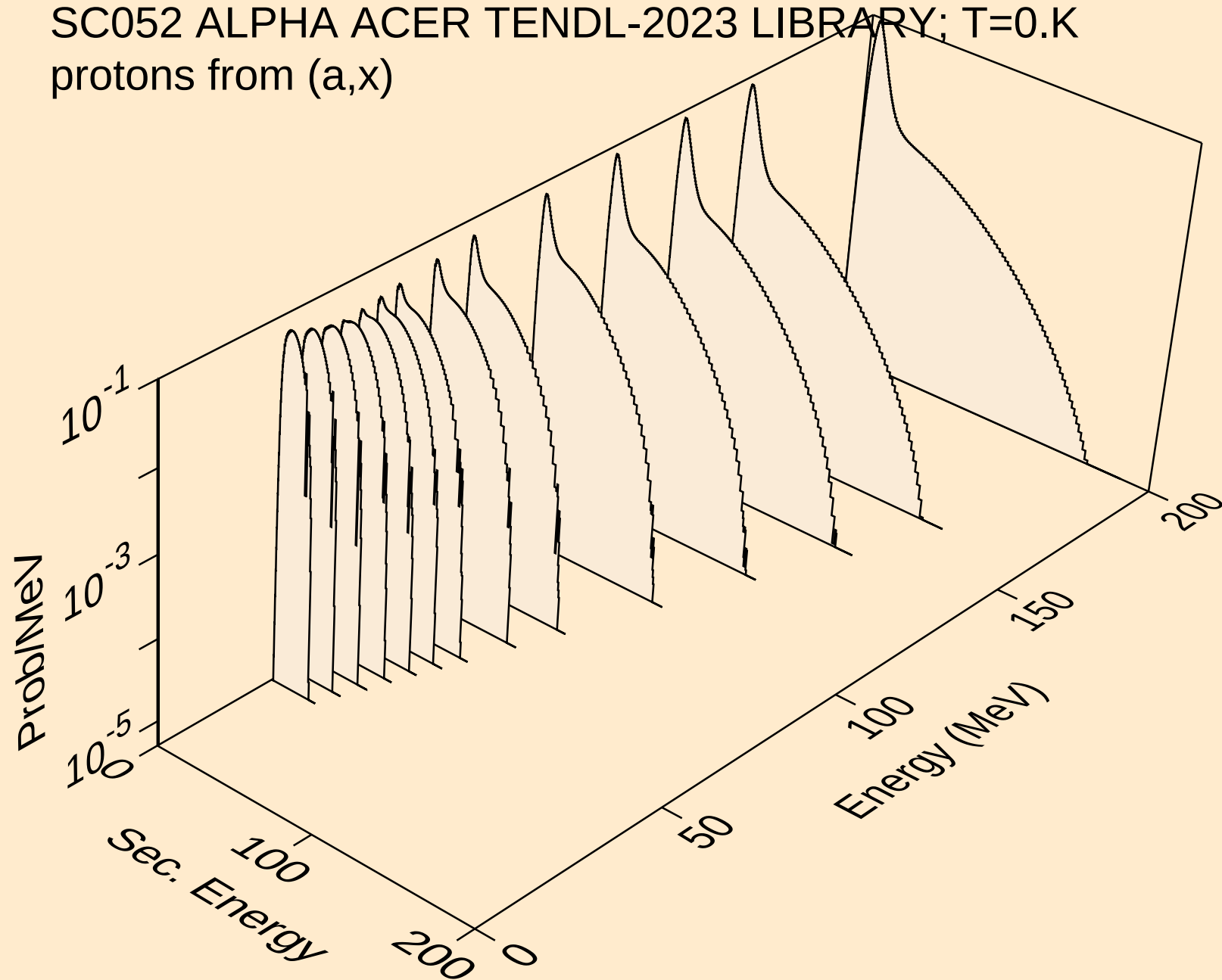
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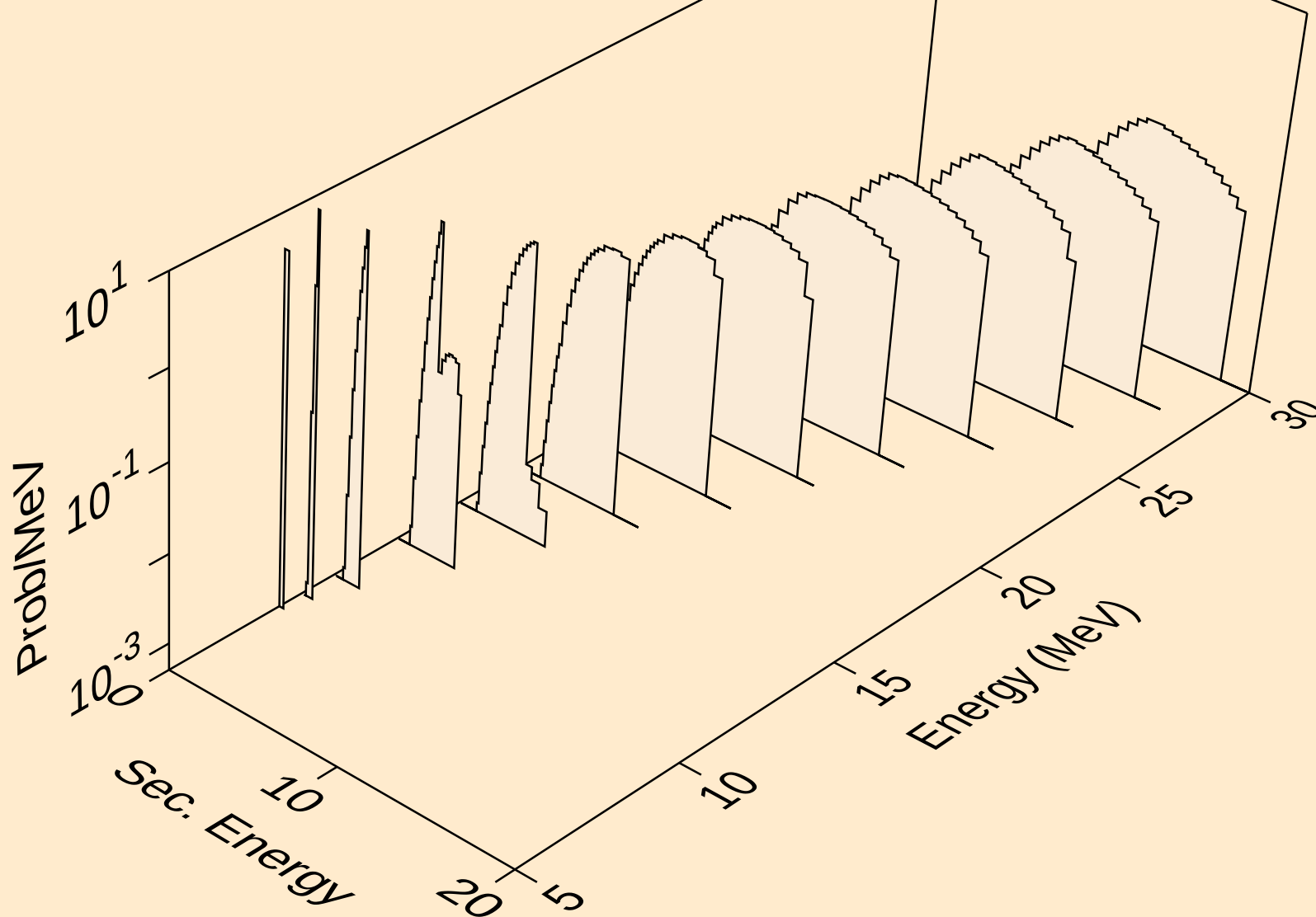
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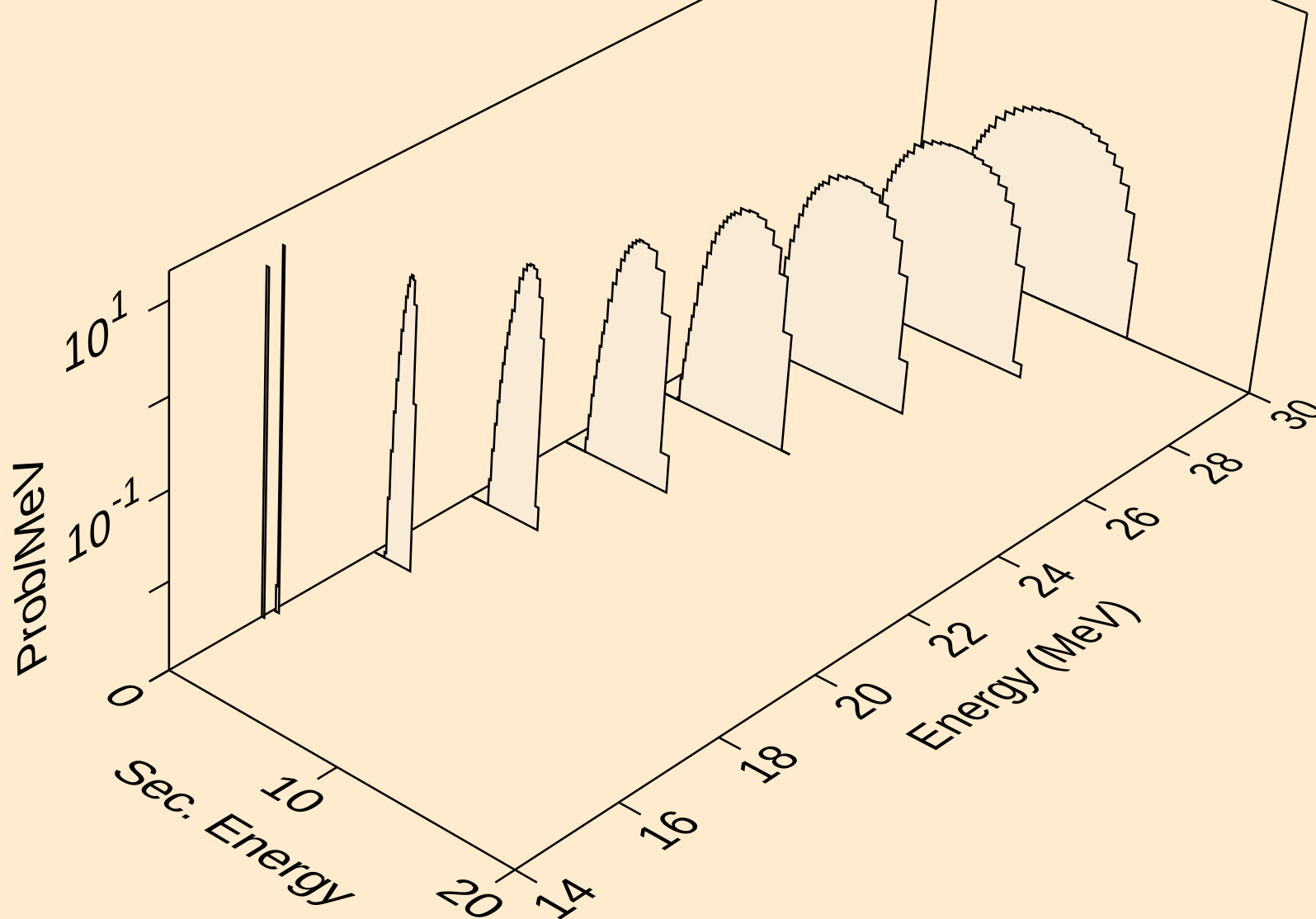
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protons from (a,x)



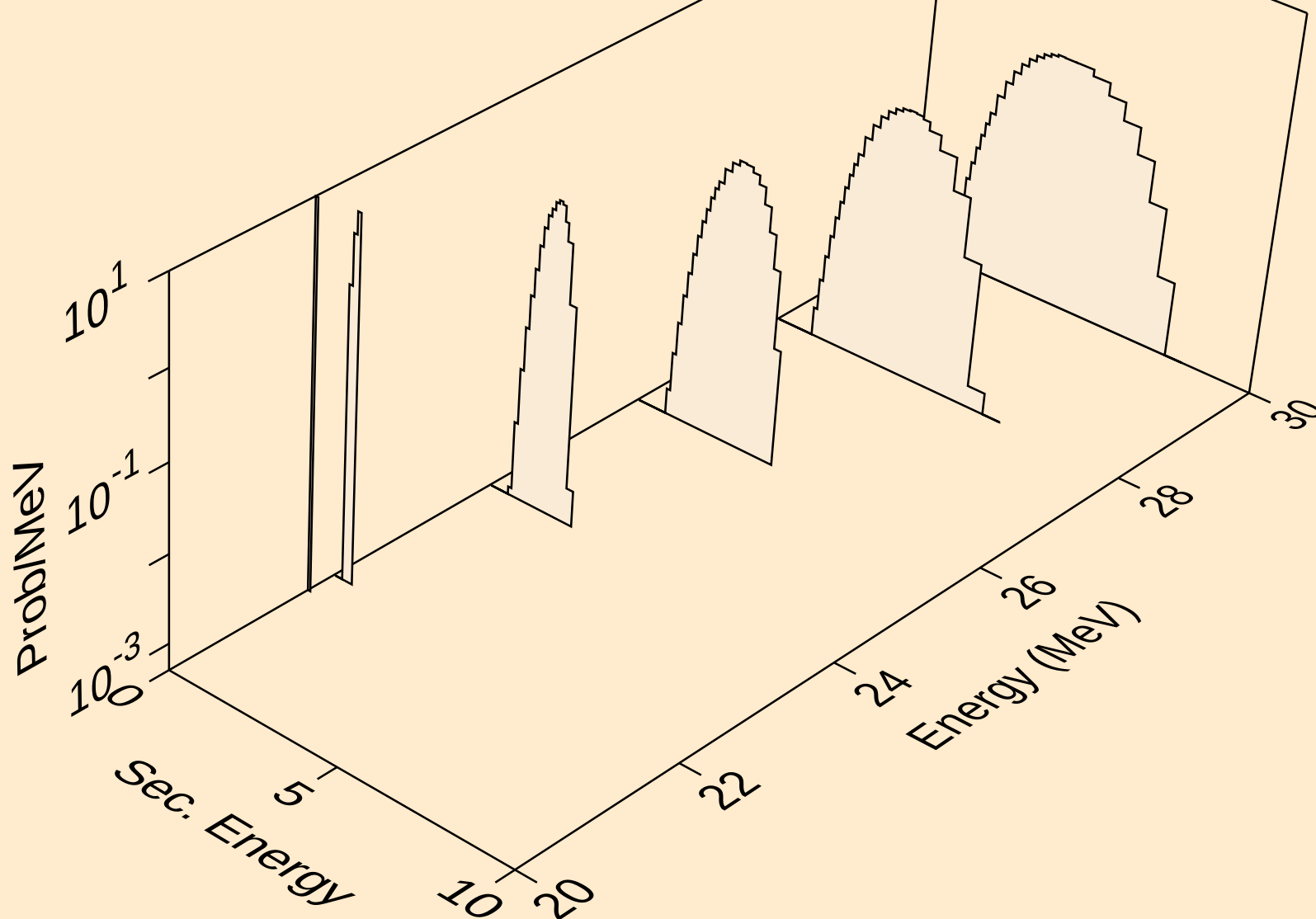
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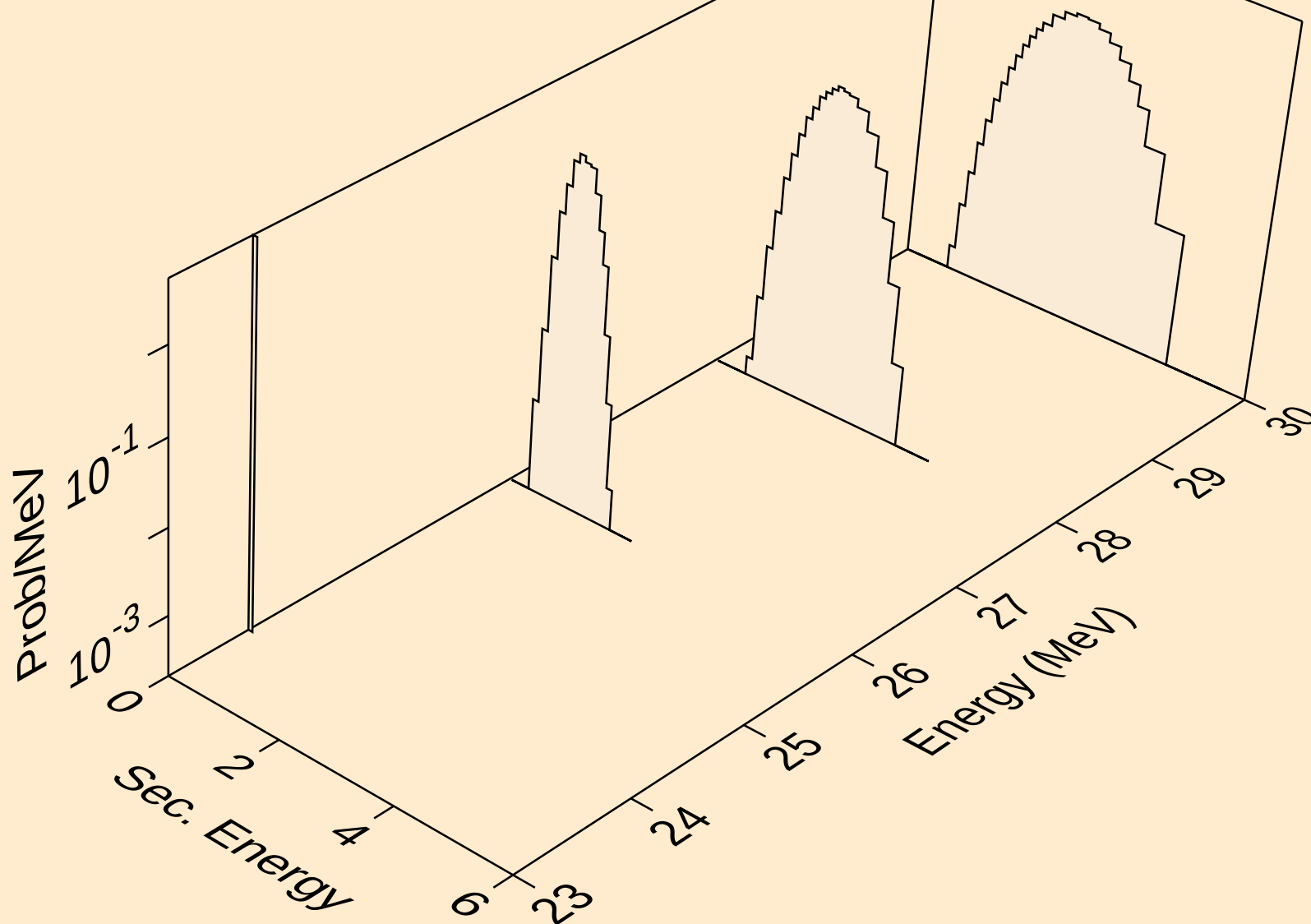
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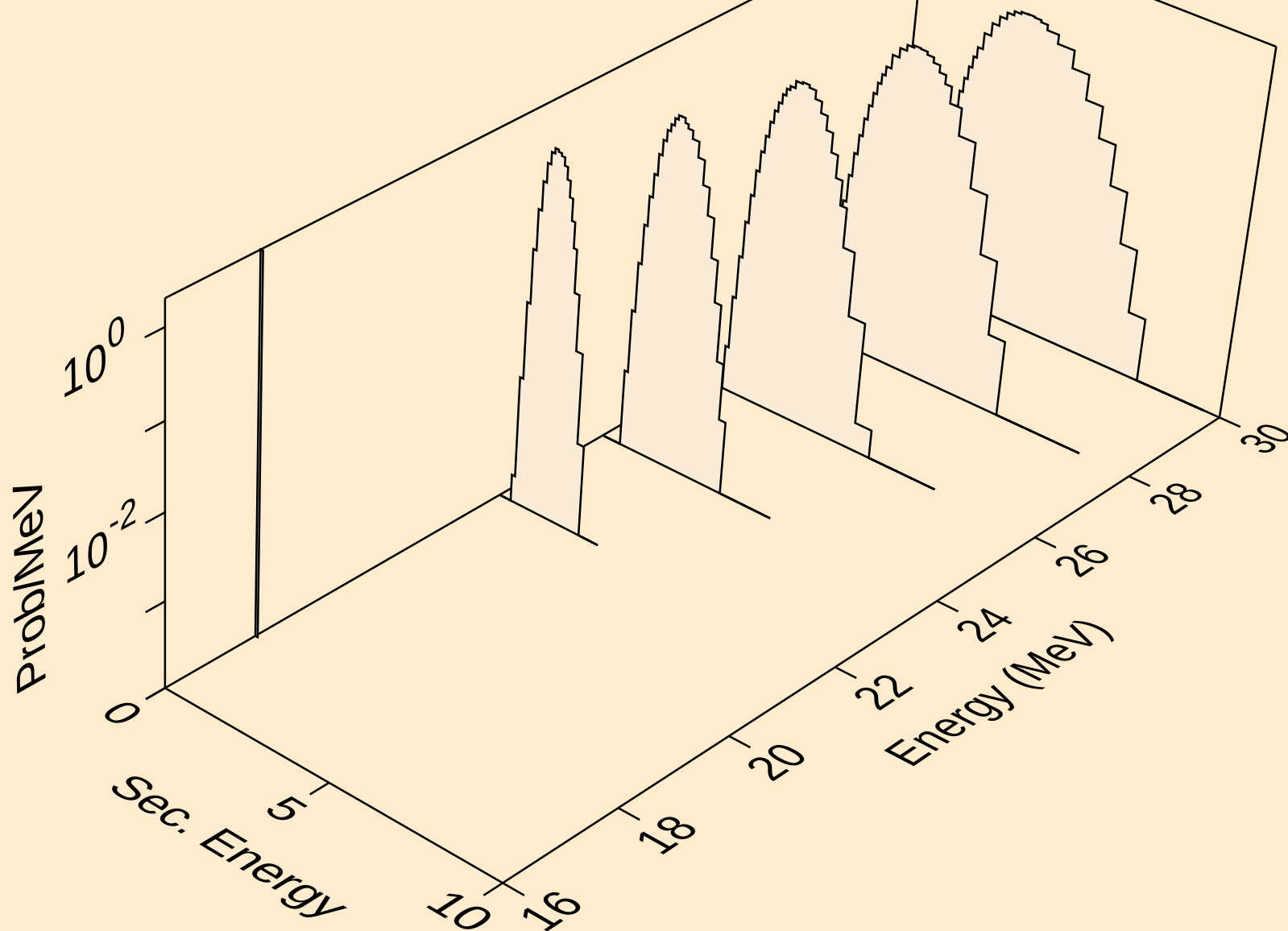
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protons from (a,3np)



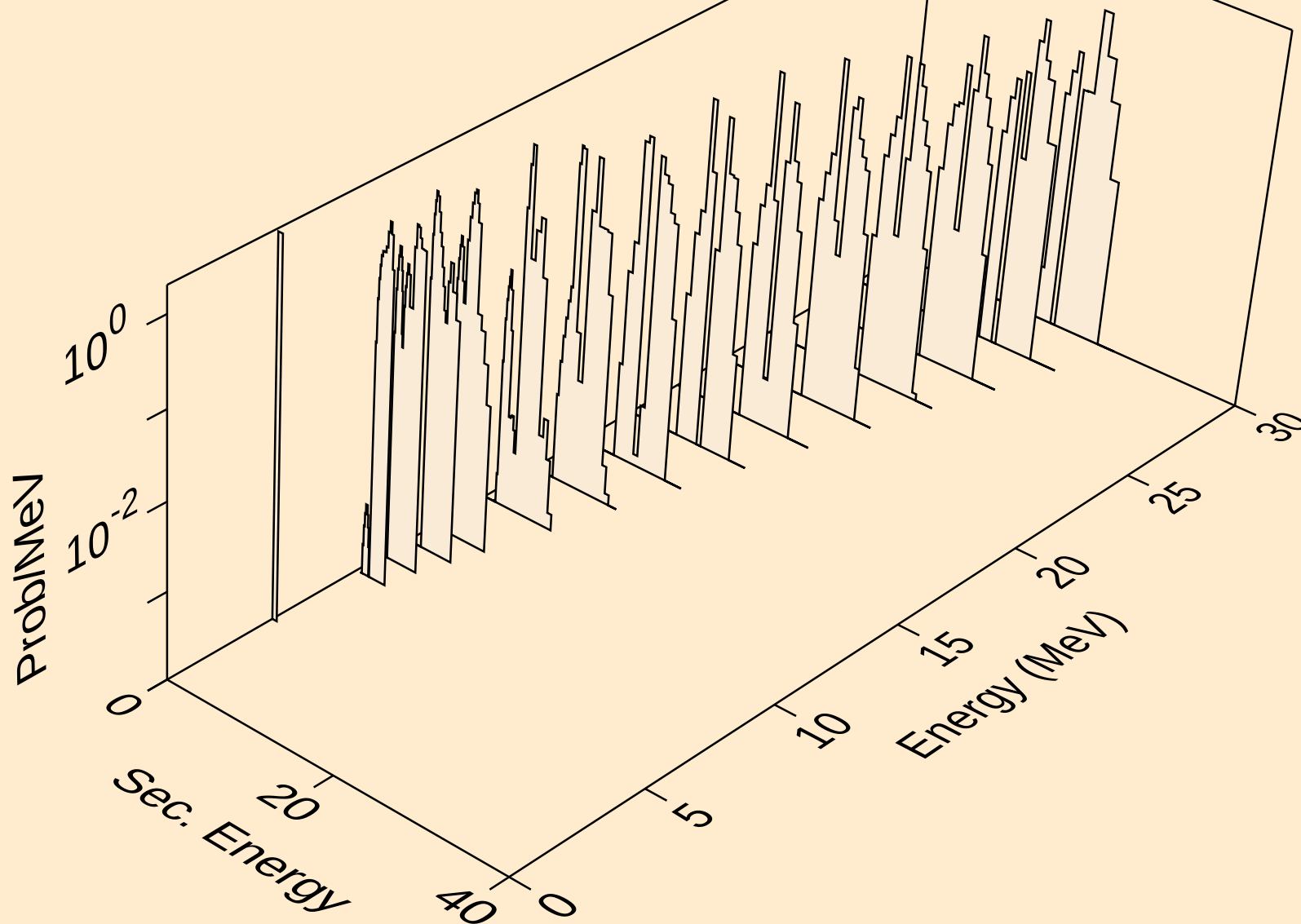
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protons from (a,n2p)



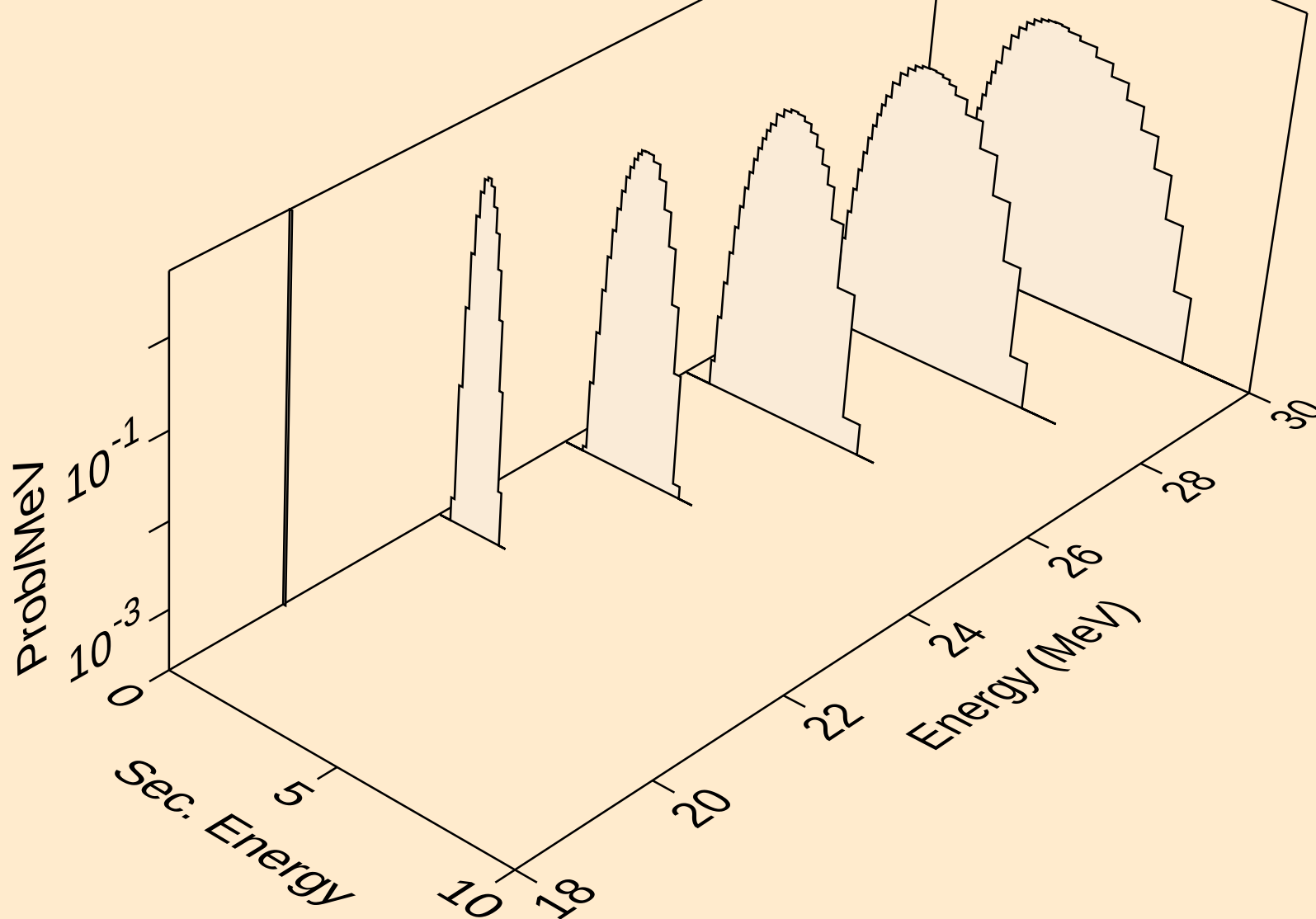
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protons from (a,npa)



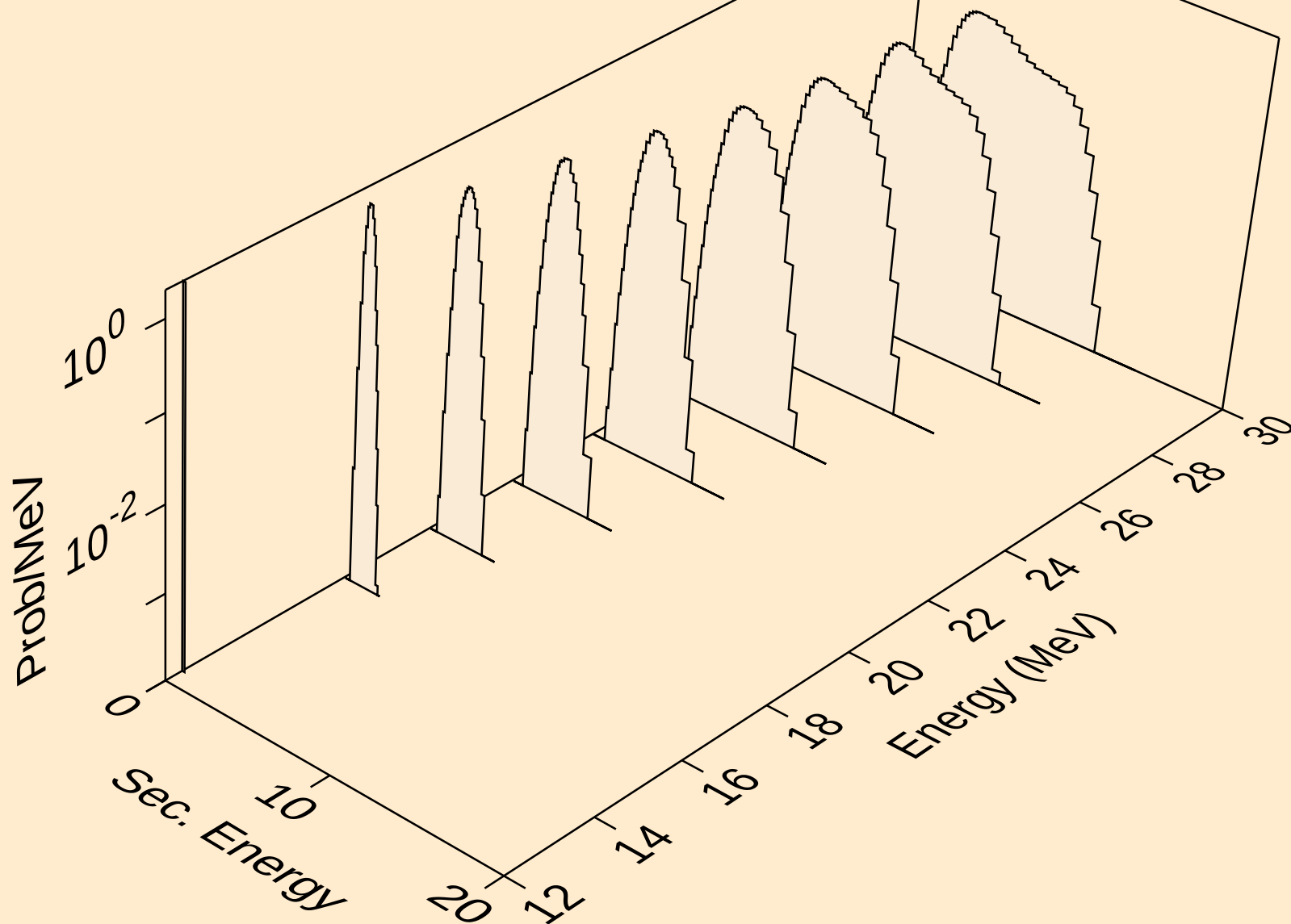
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protons from (a,p)



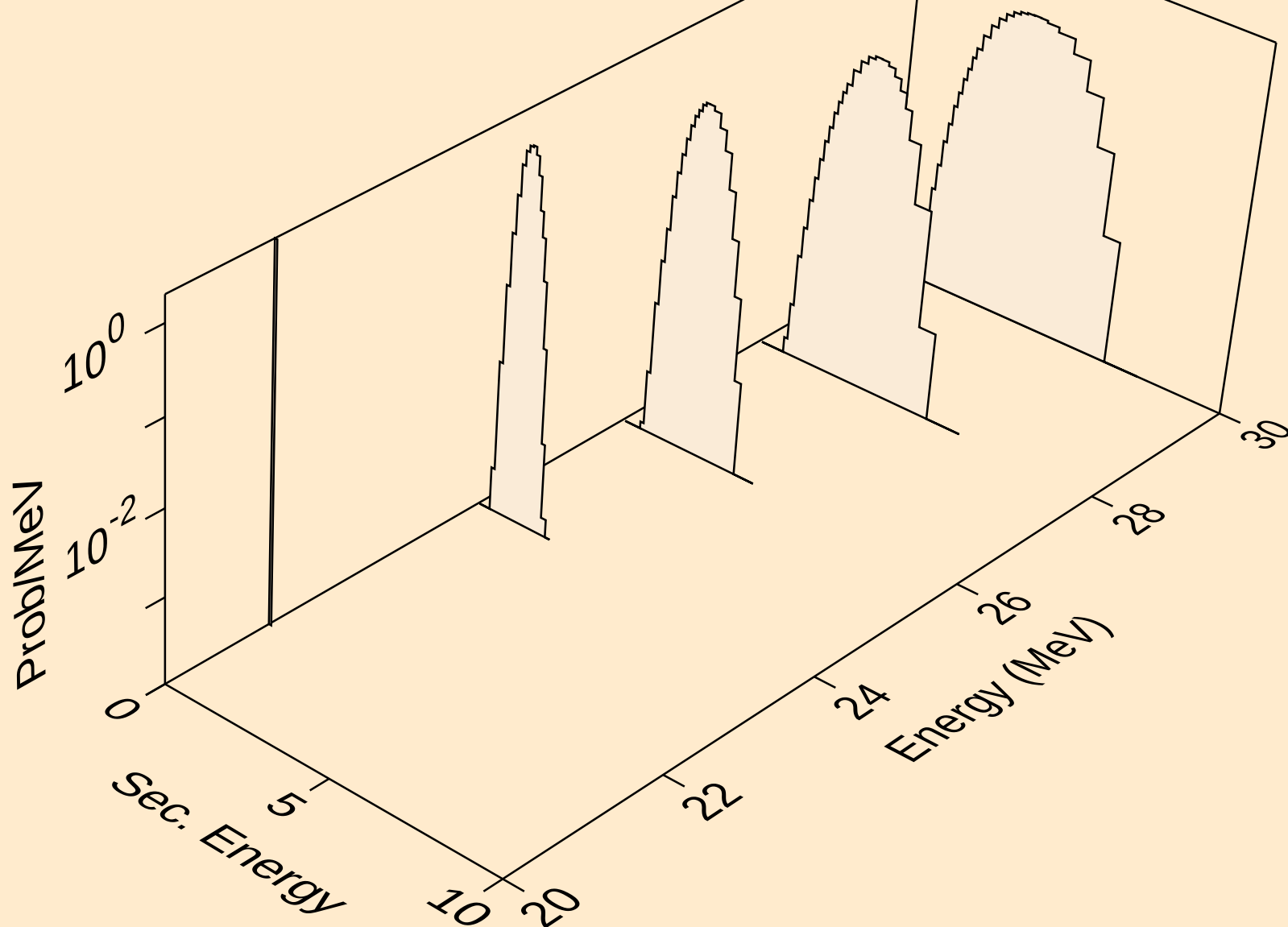
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protons from (a,2p)



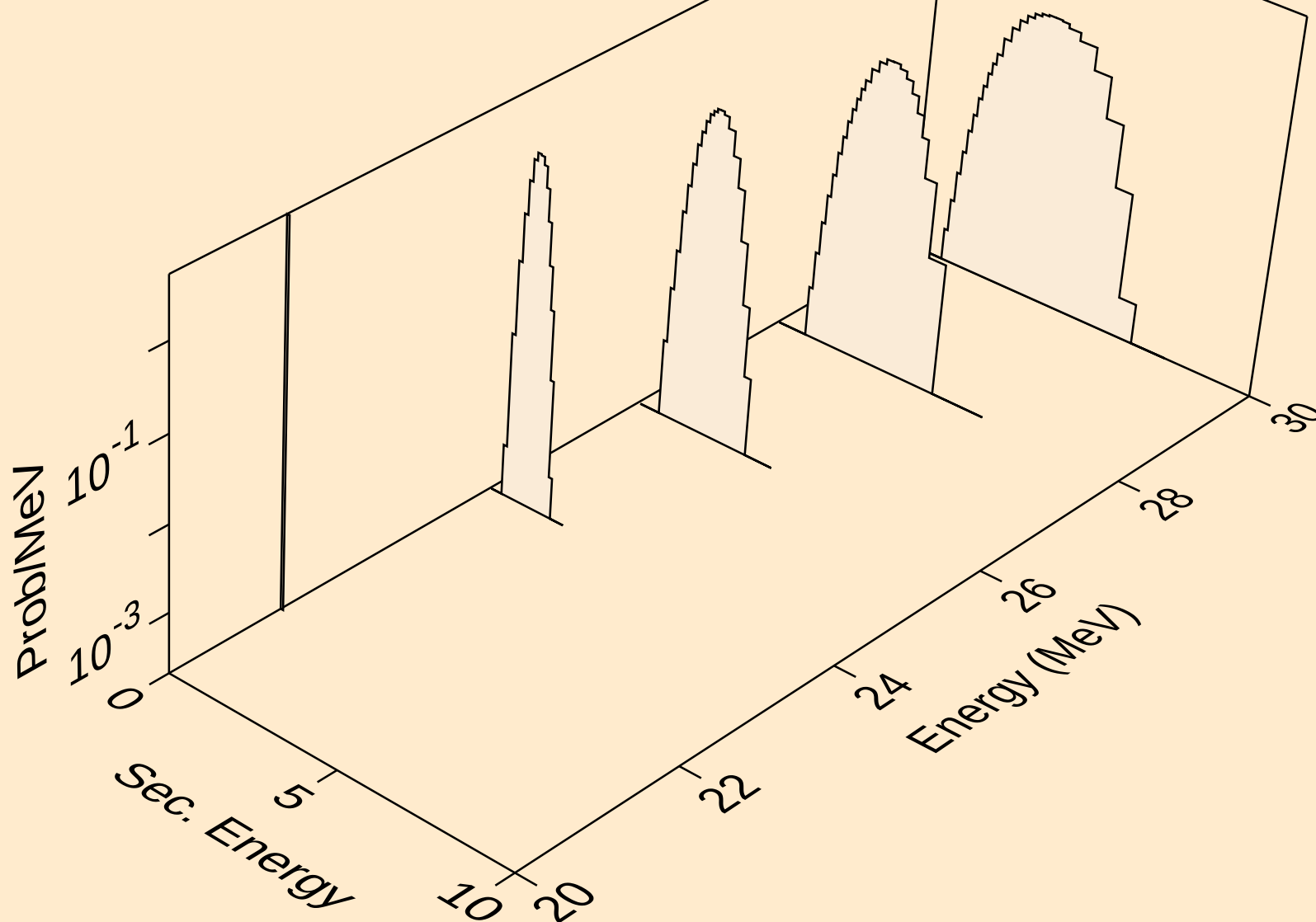
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protons from (a,pa)



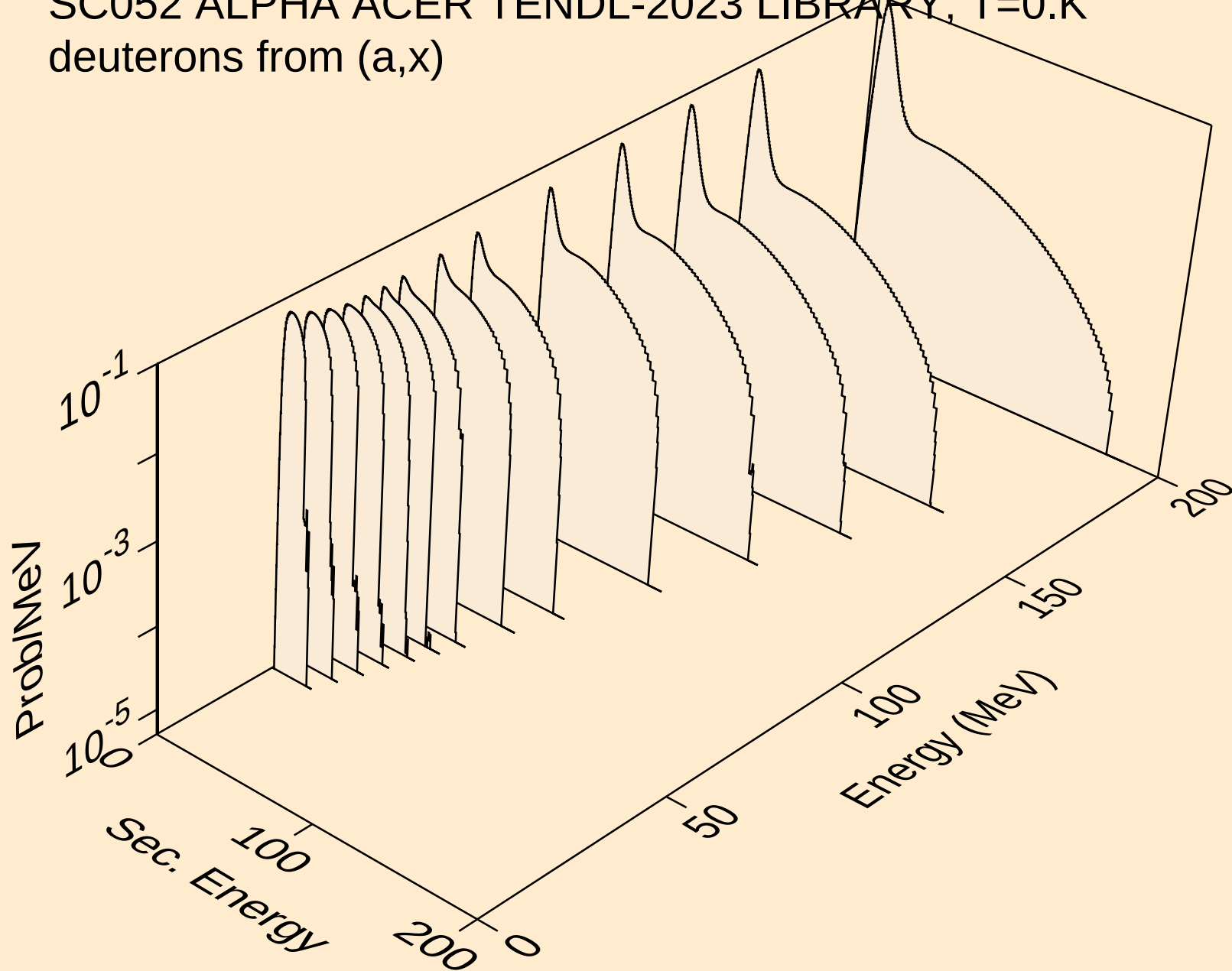
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protons from (a,pd)



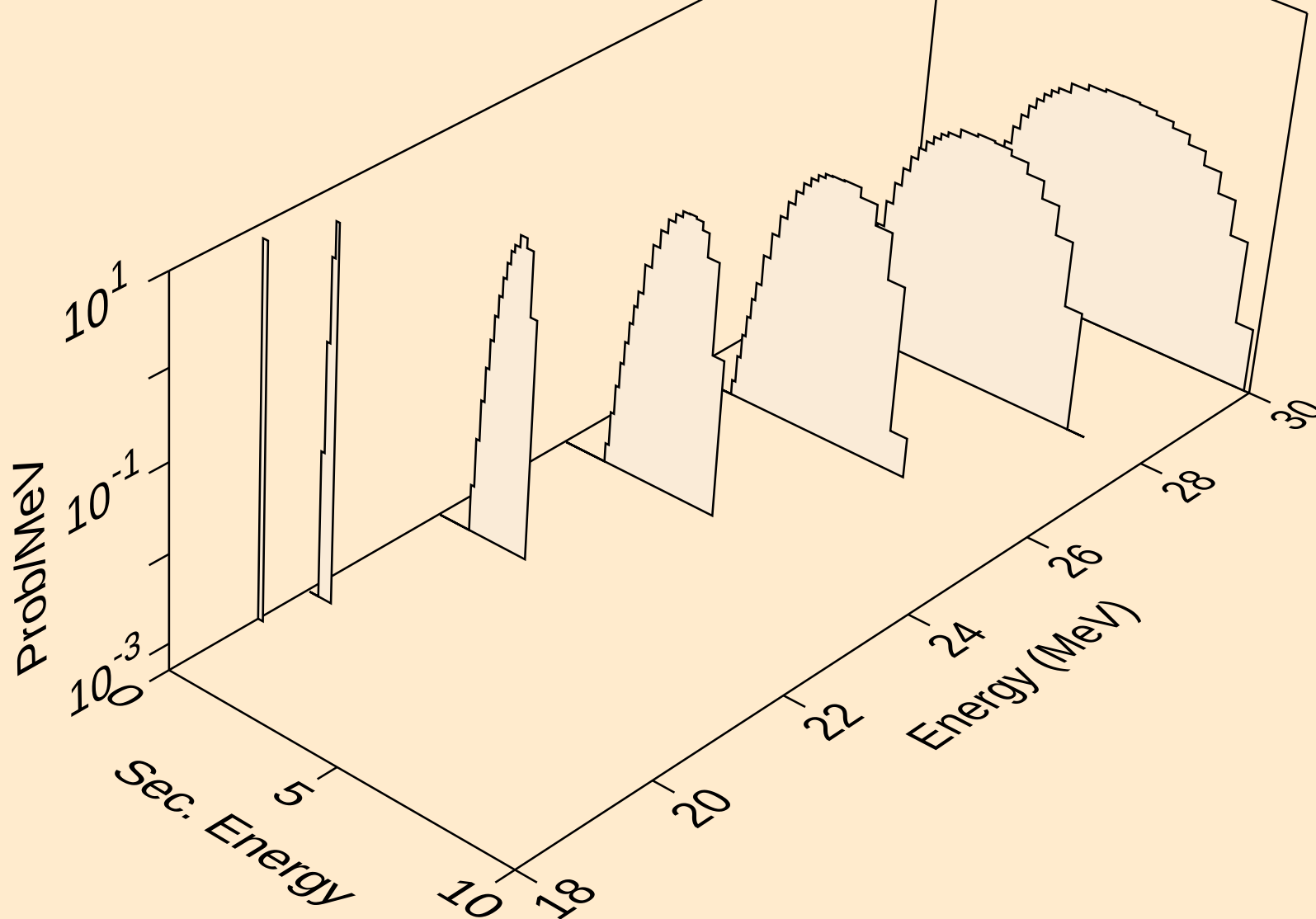
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protons from (a,pt)



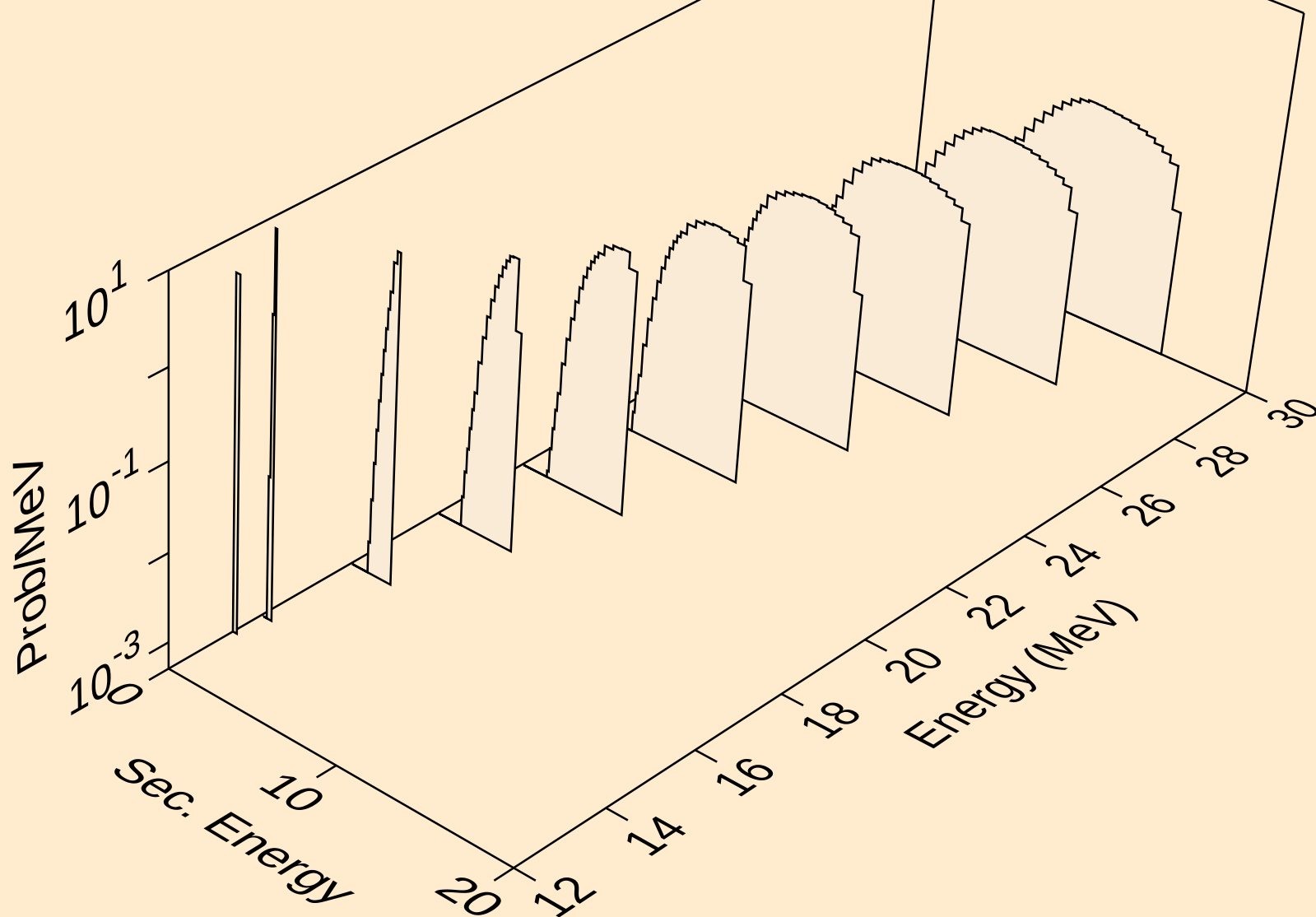
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deuterons from (a,x)



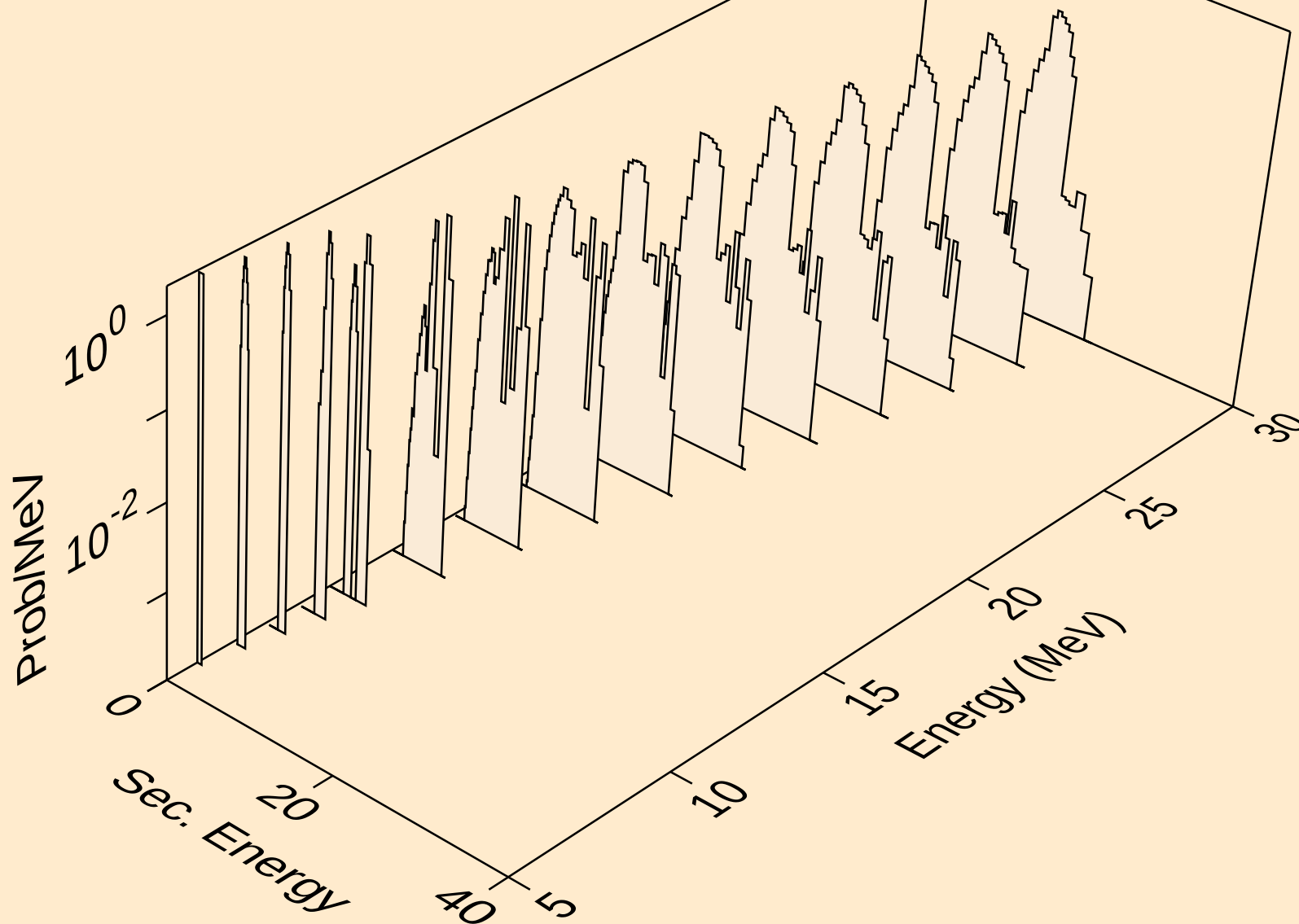
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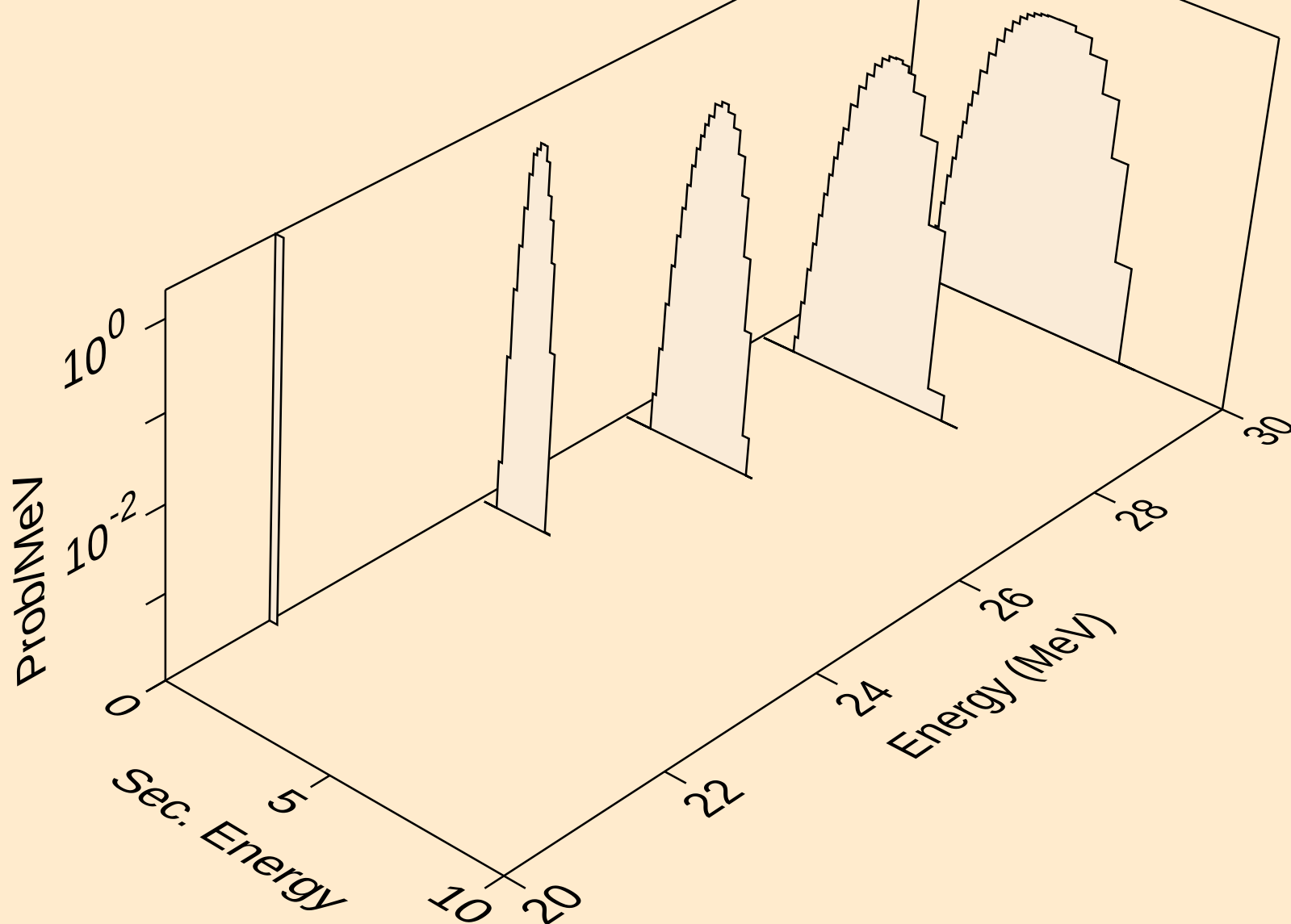
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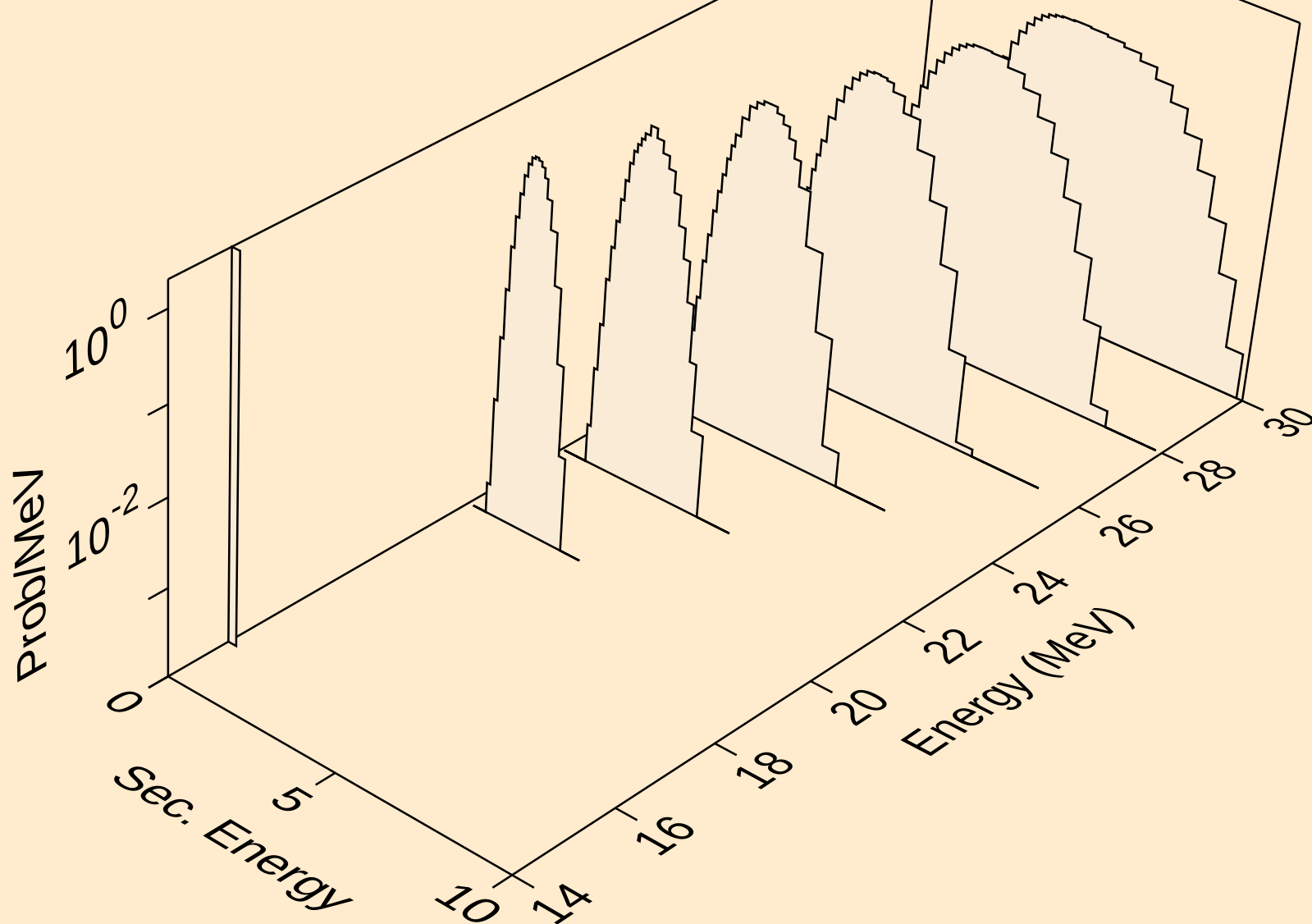
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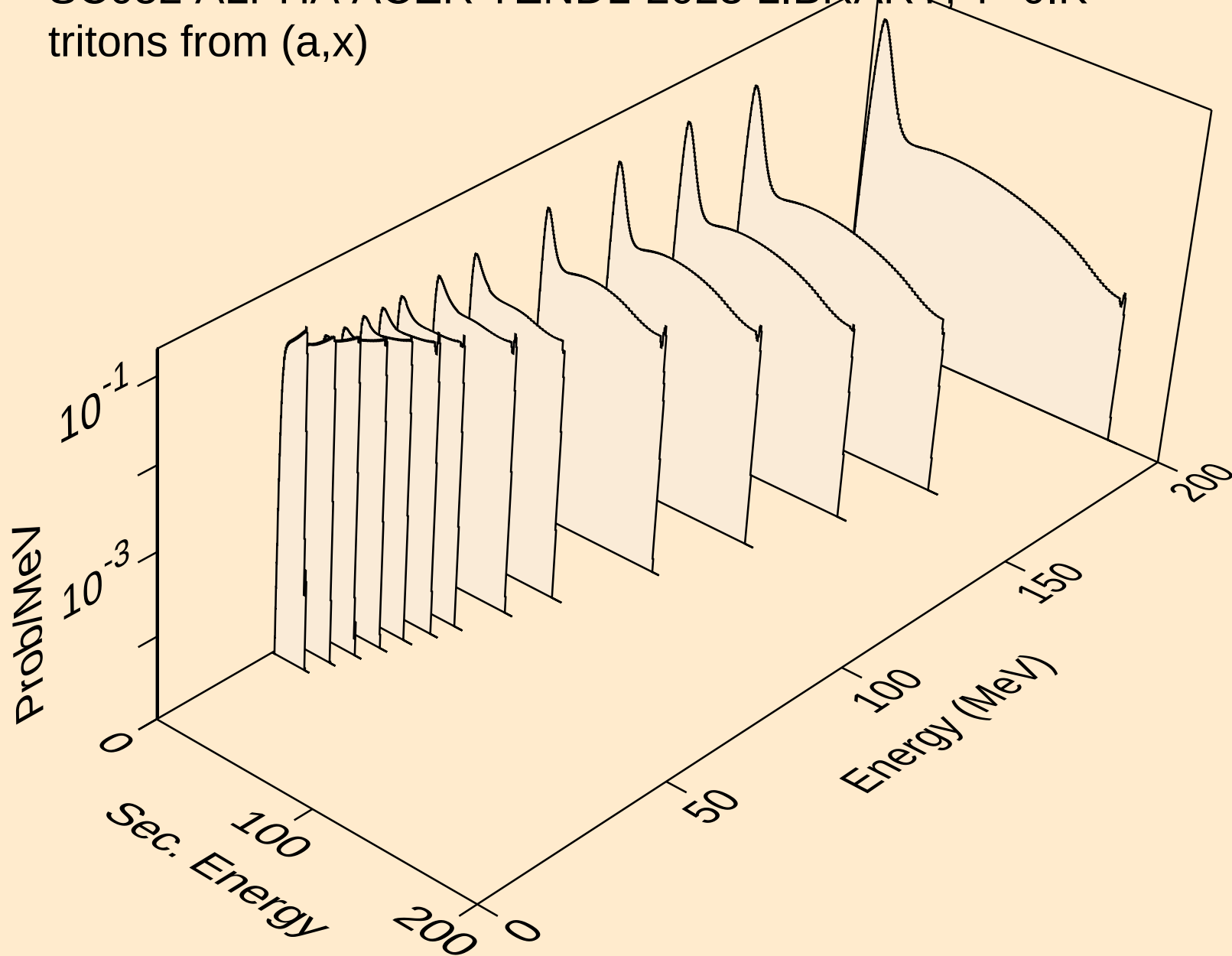
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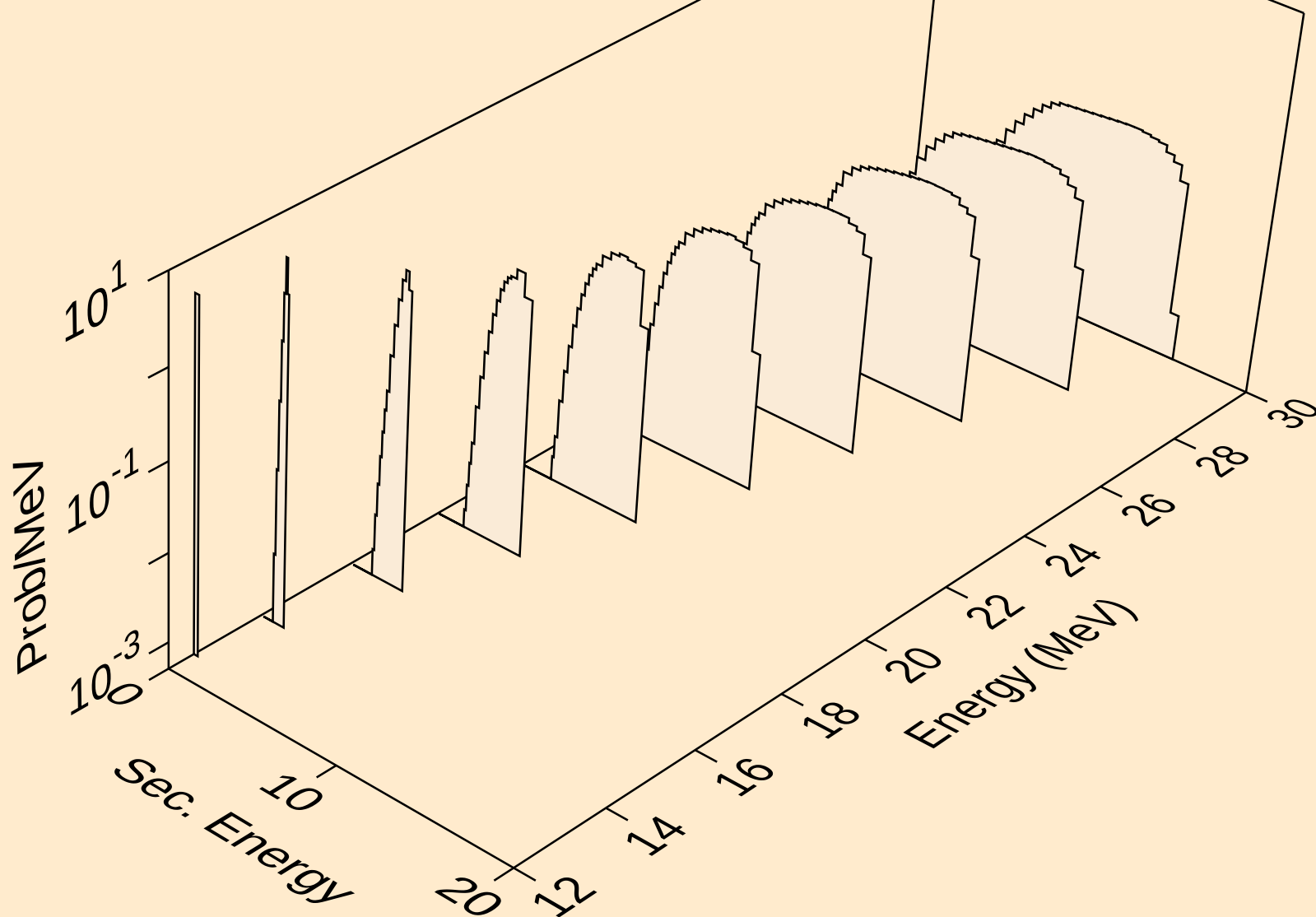
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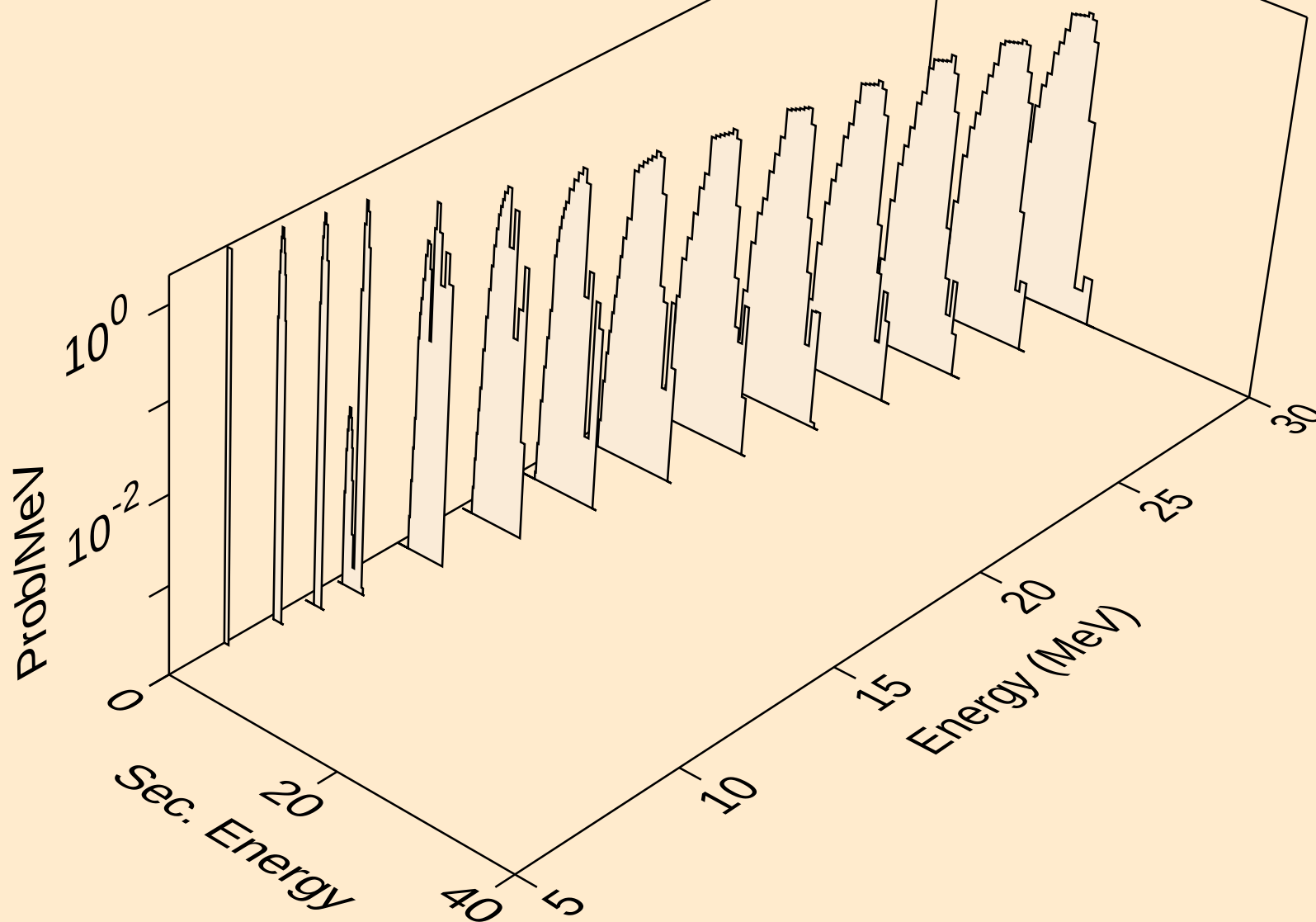
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tritons from (a,x)



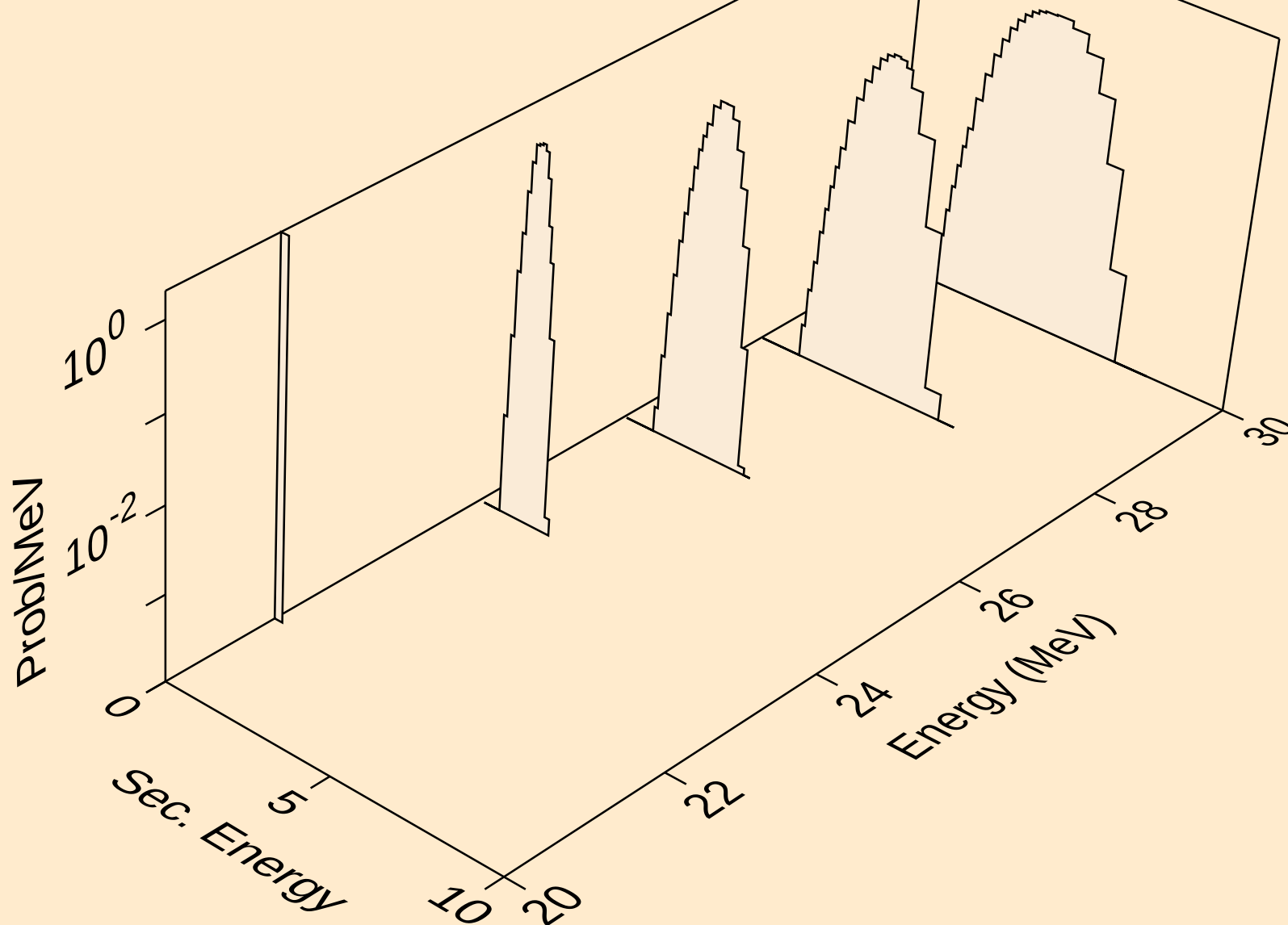
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tritons from (a,n\*)t



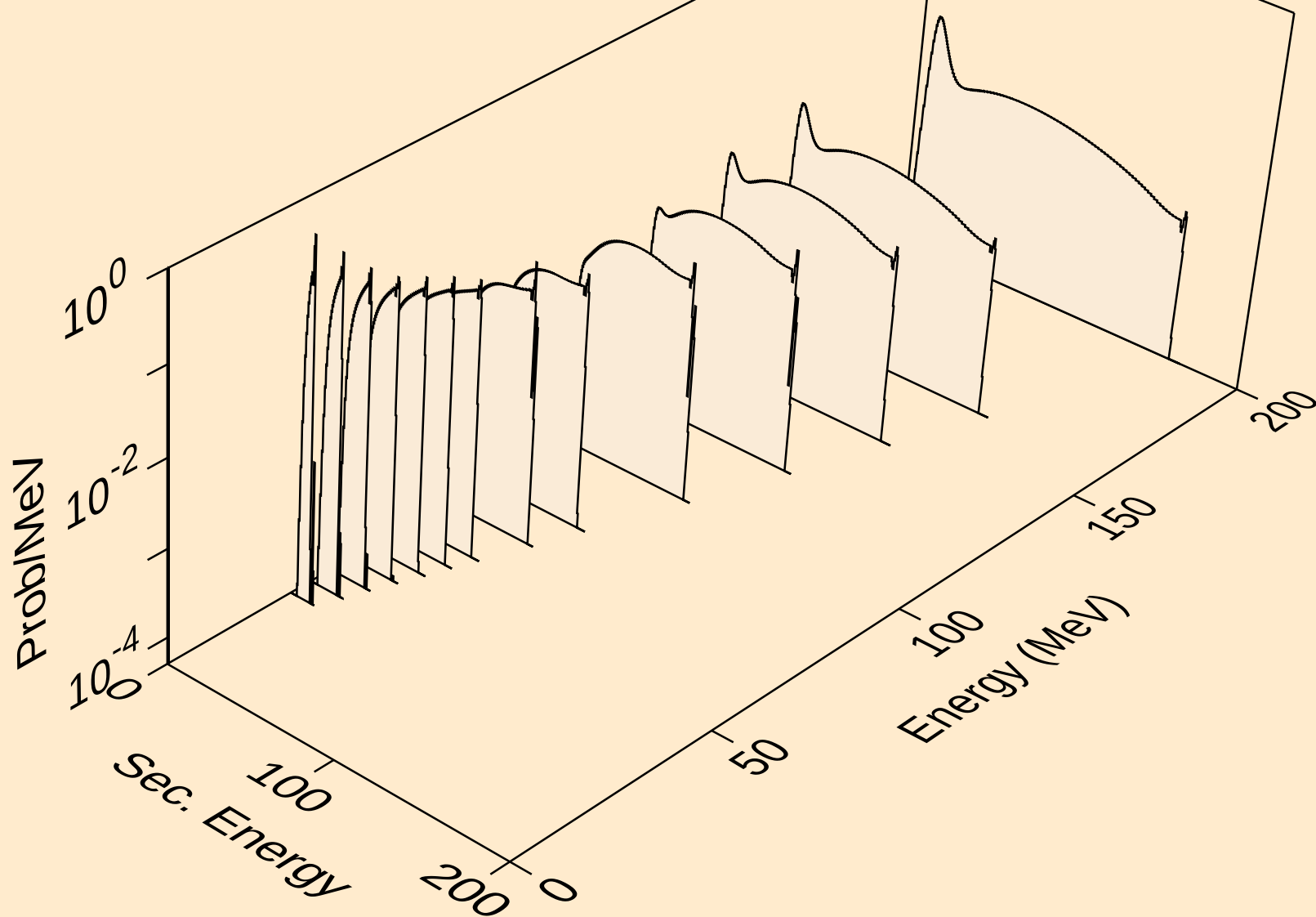
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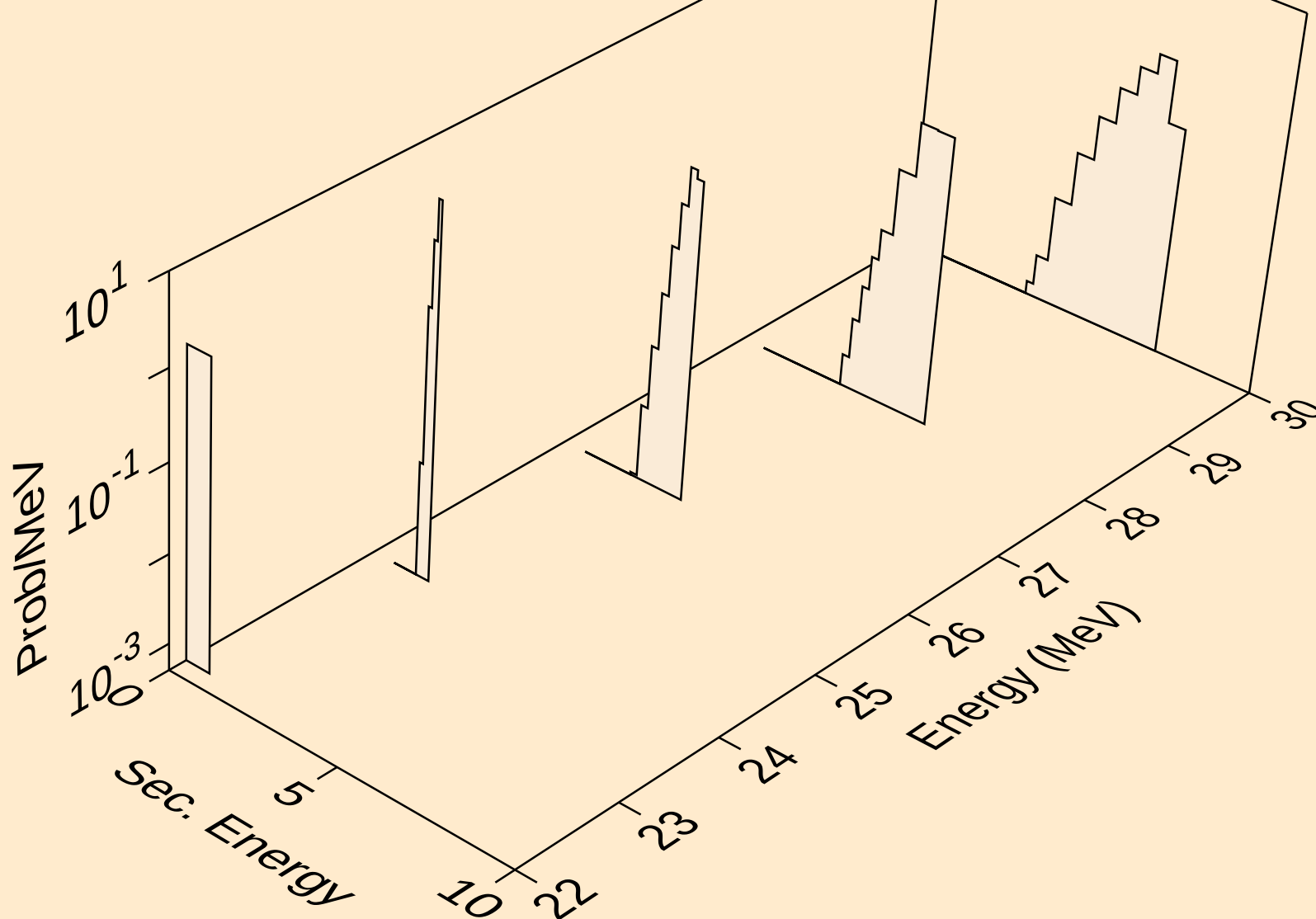
SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,n\*)he3



SC052 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

