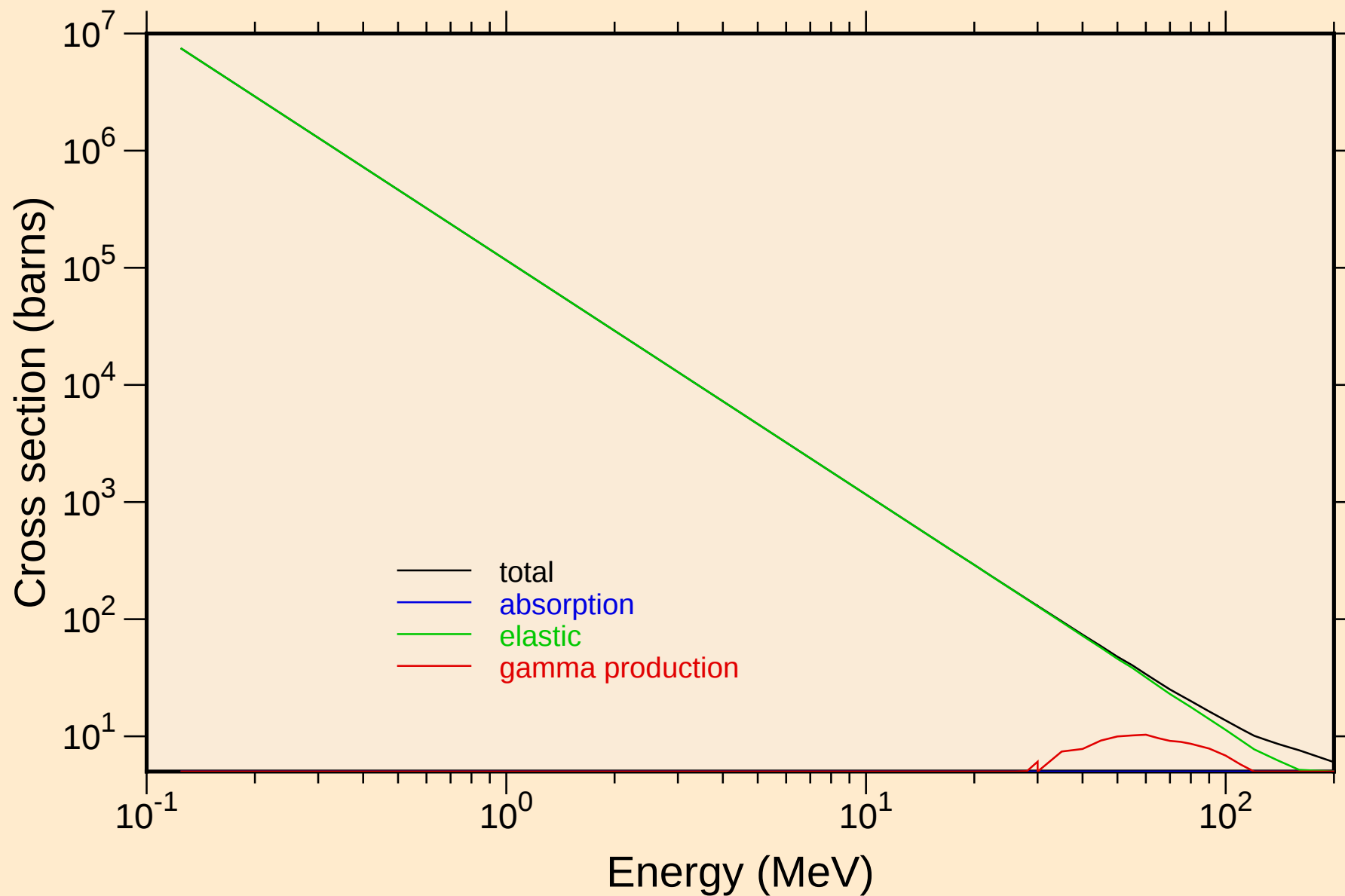


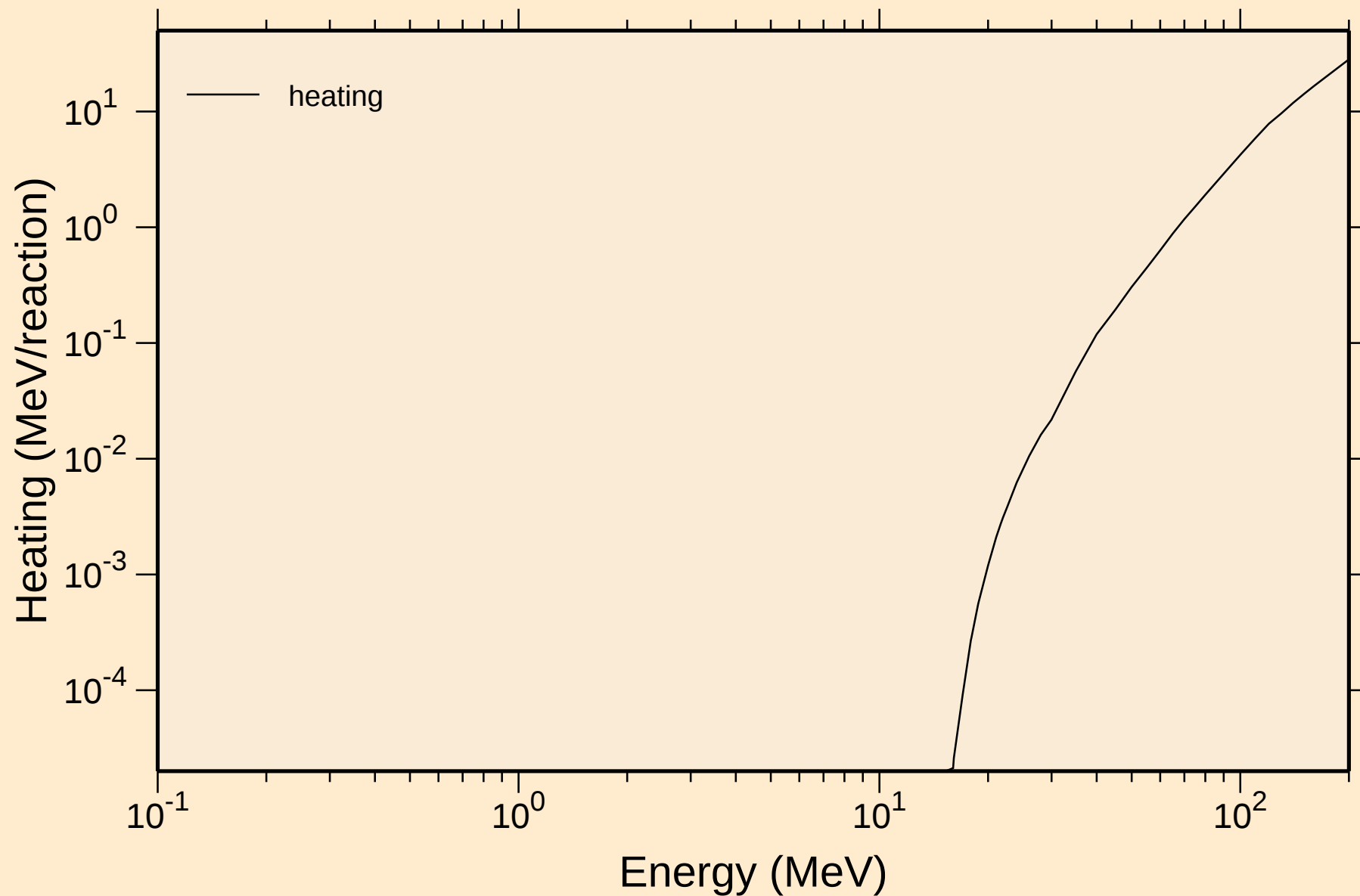
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



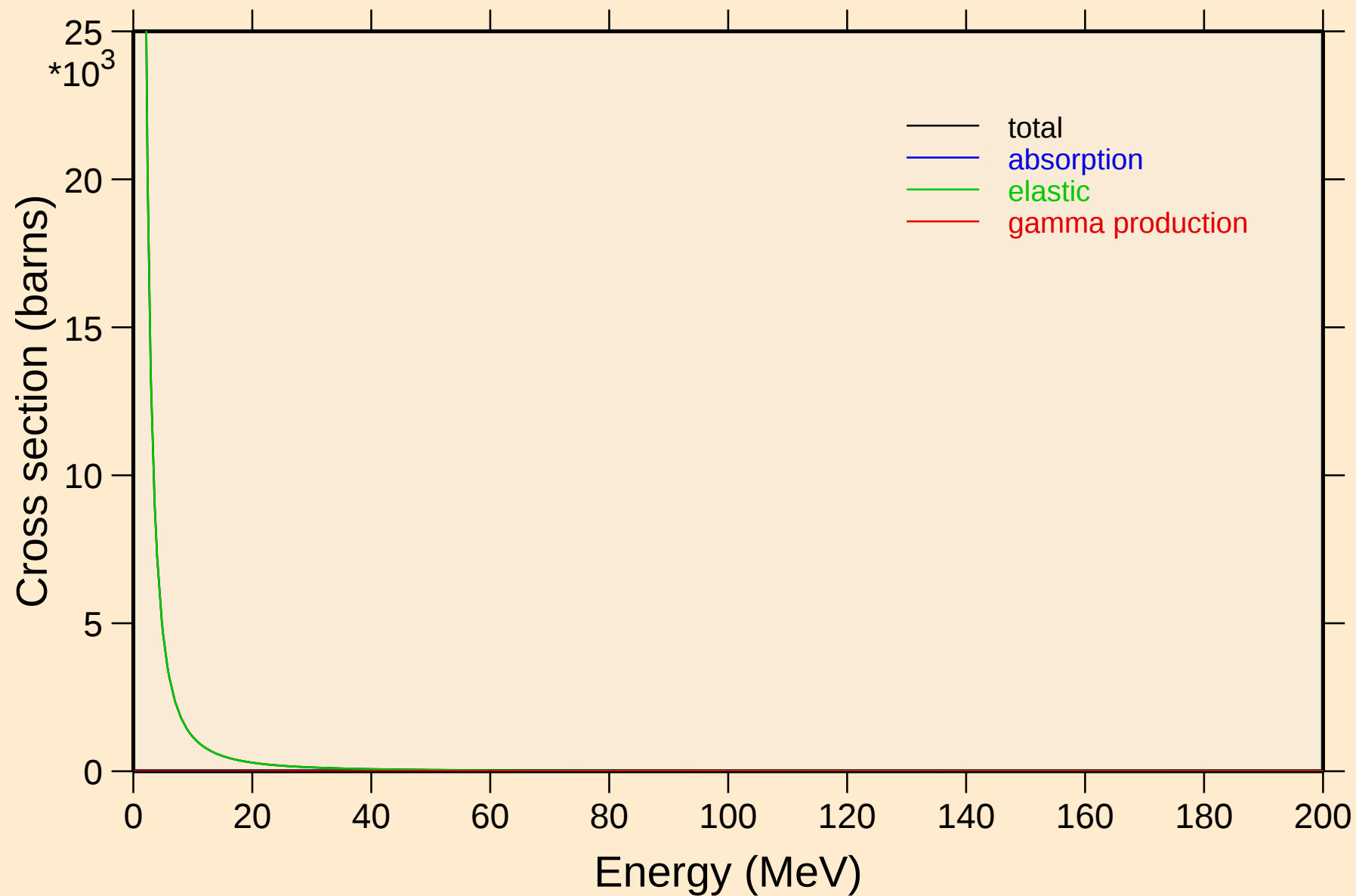
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



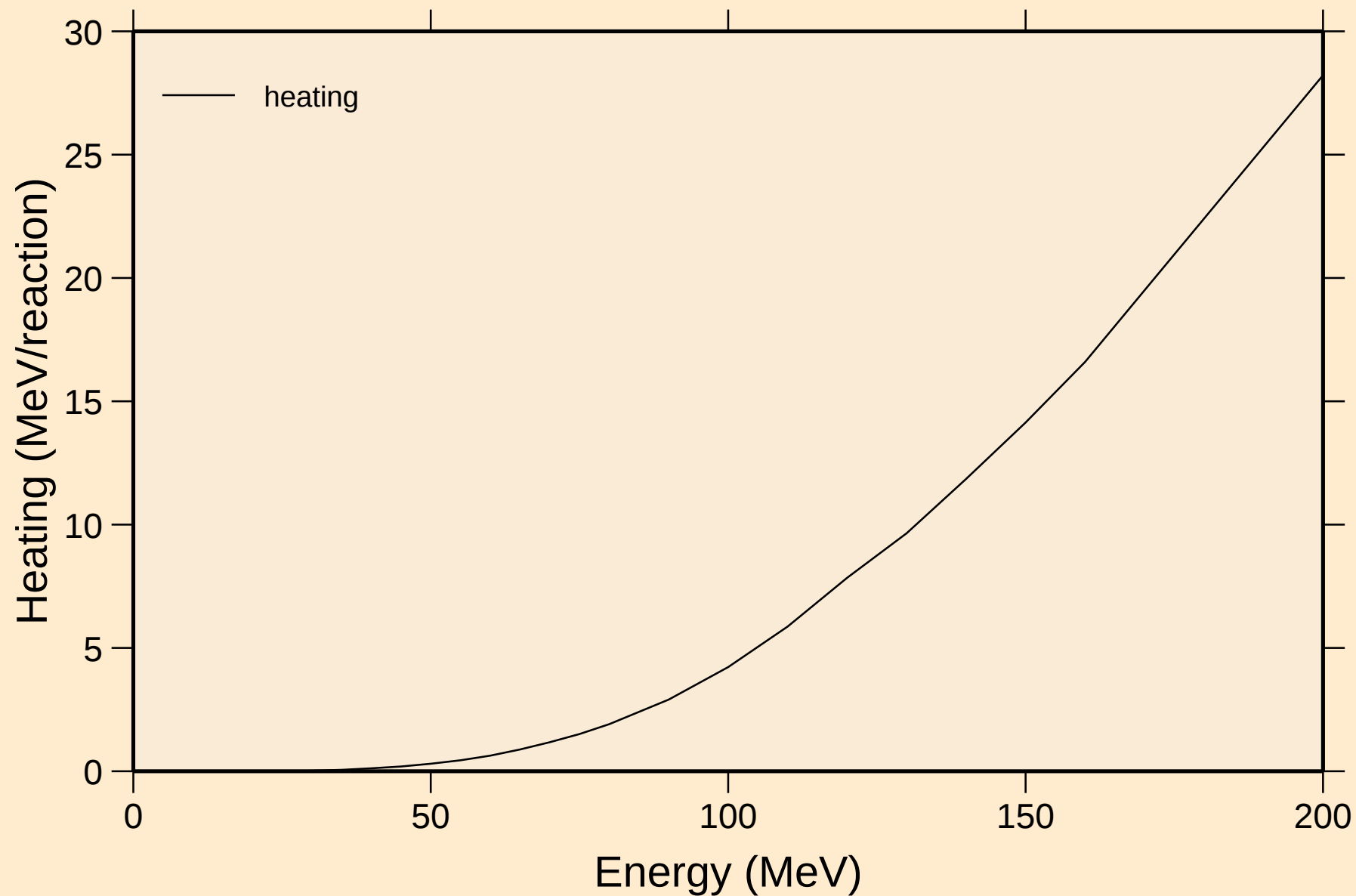
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



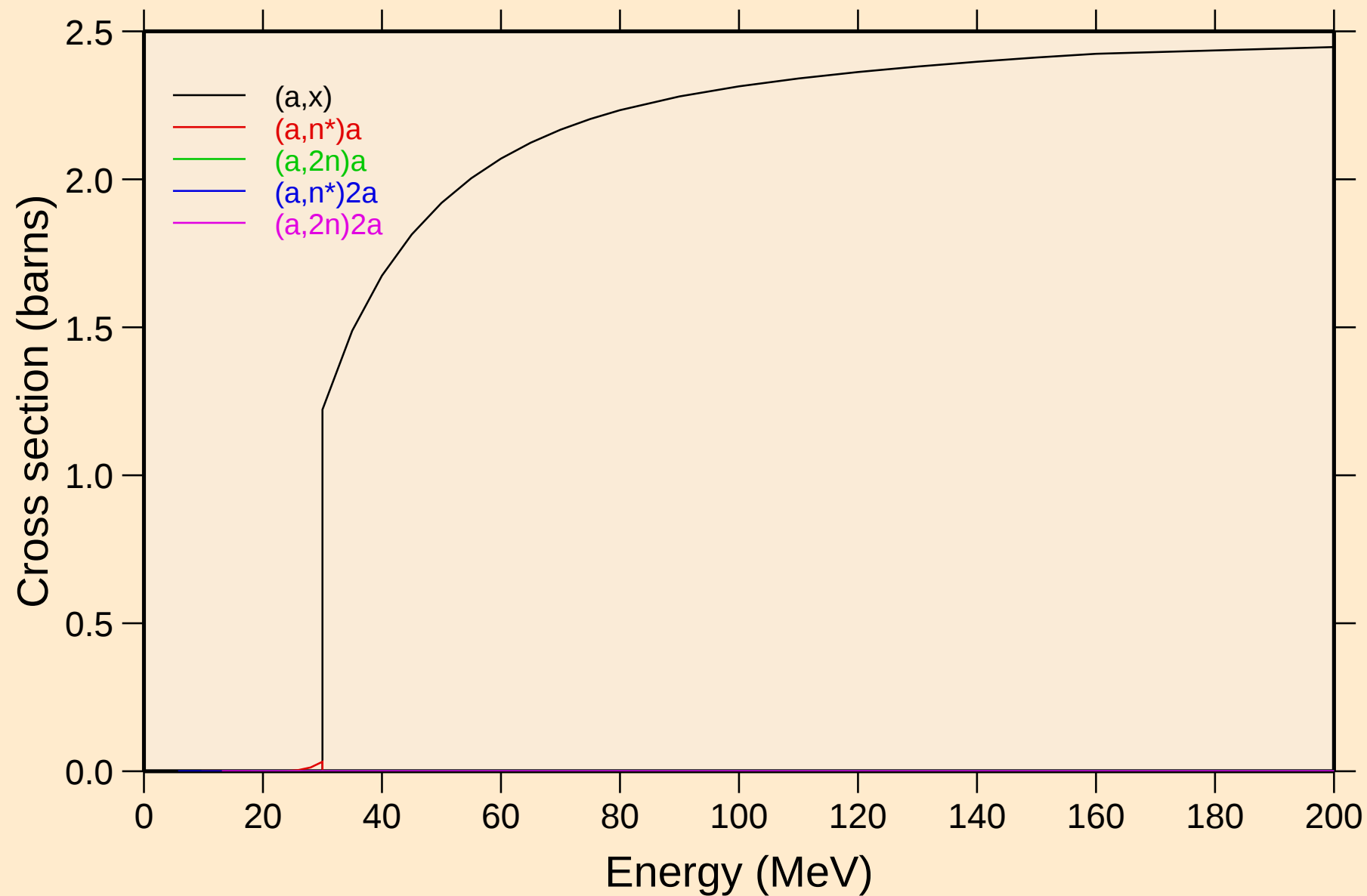
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



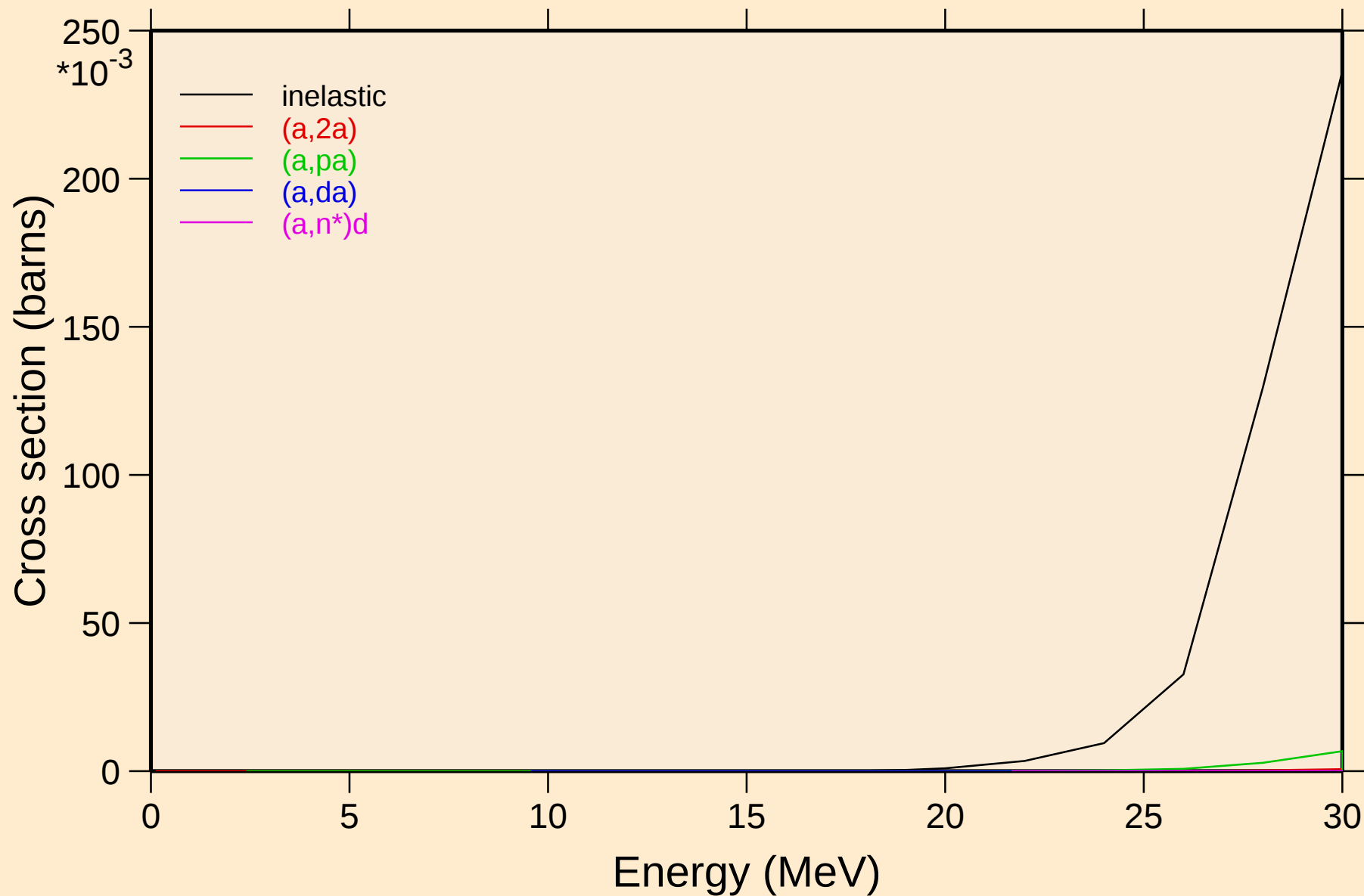
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



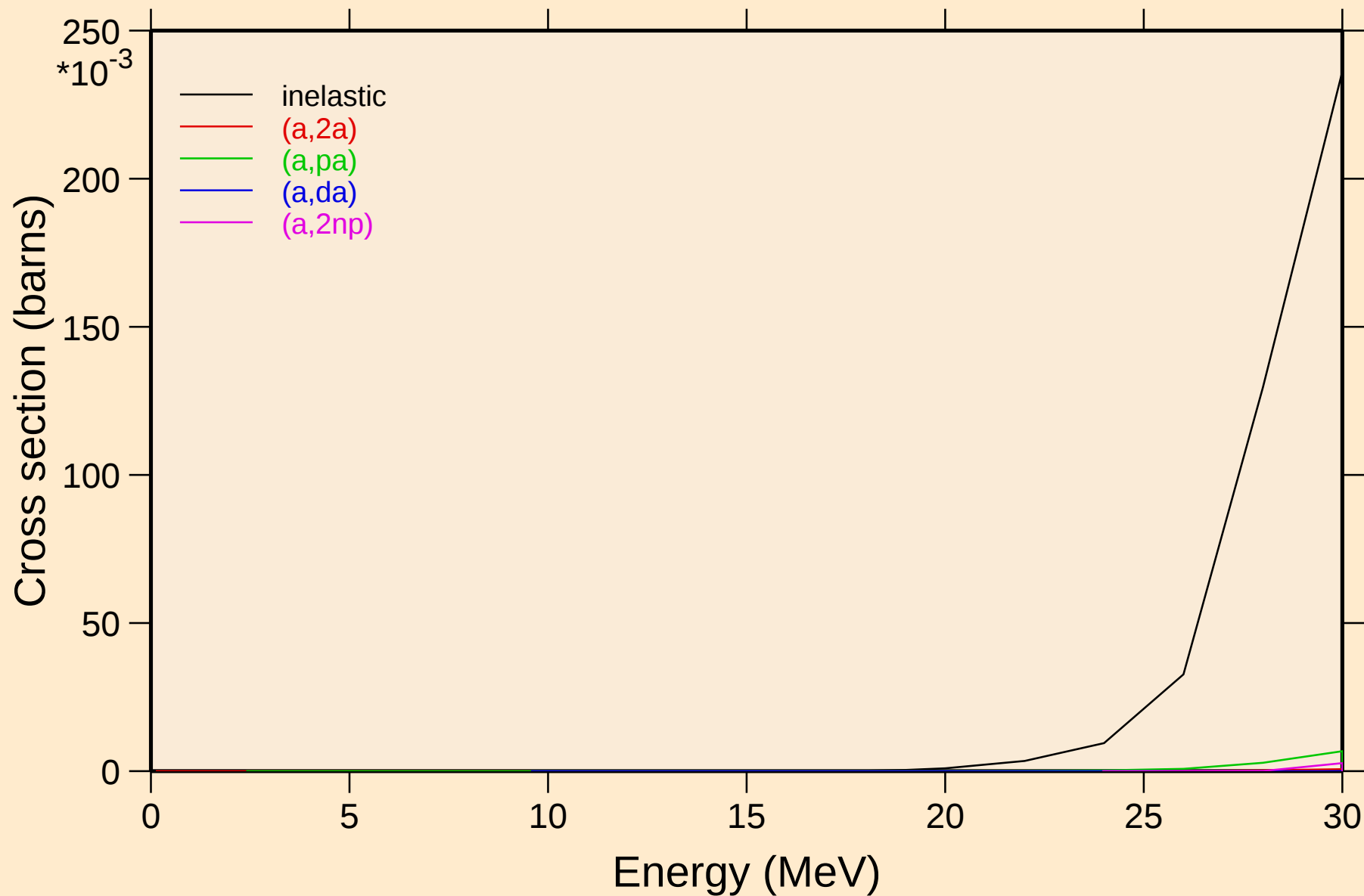
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



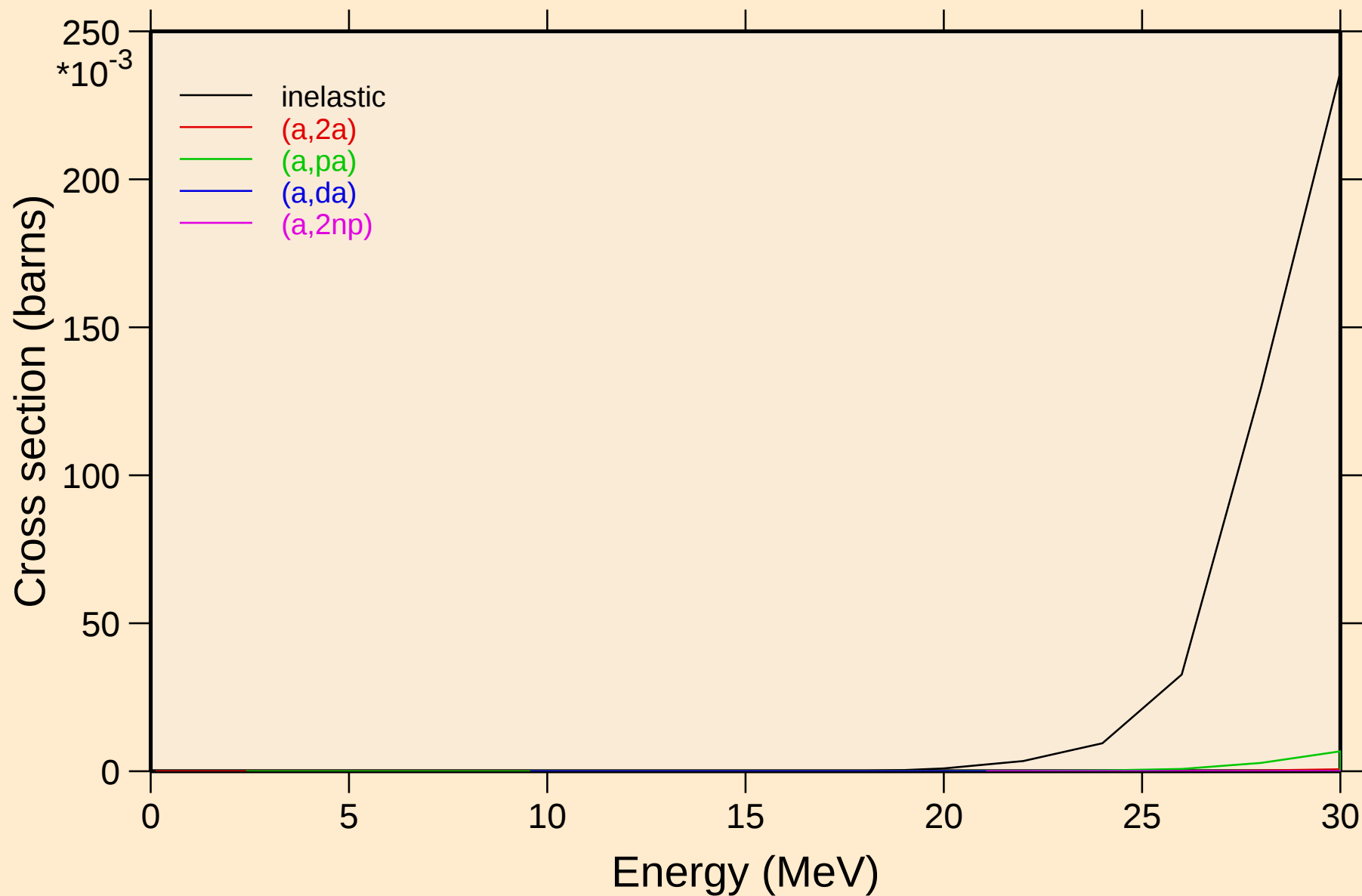
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



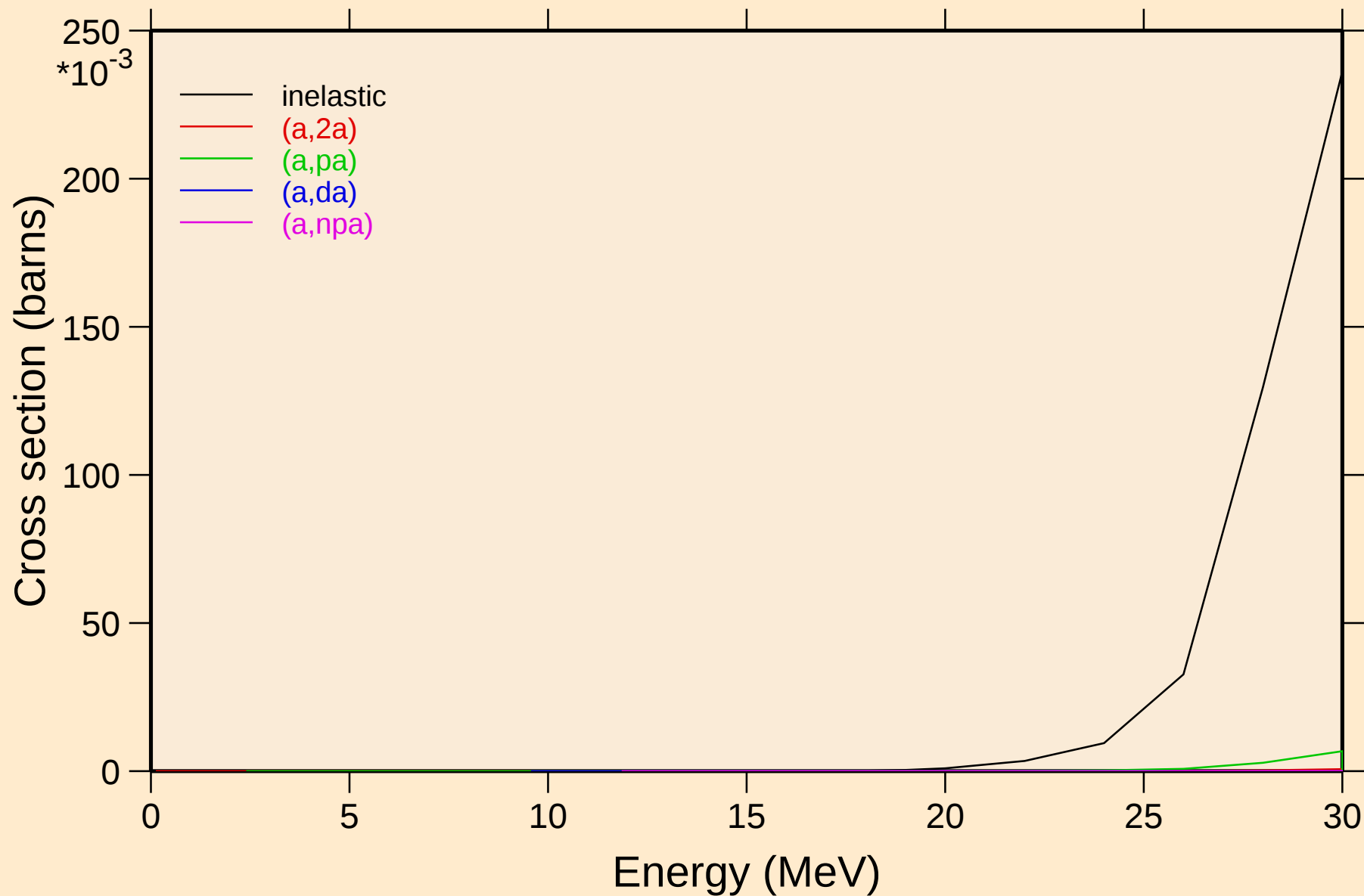
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



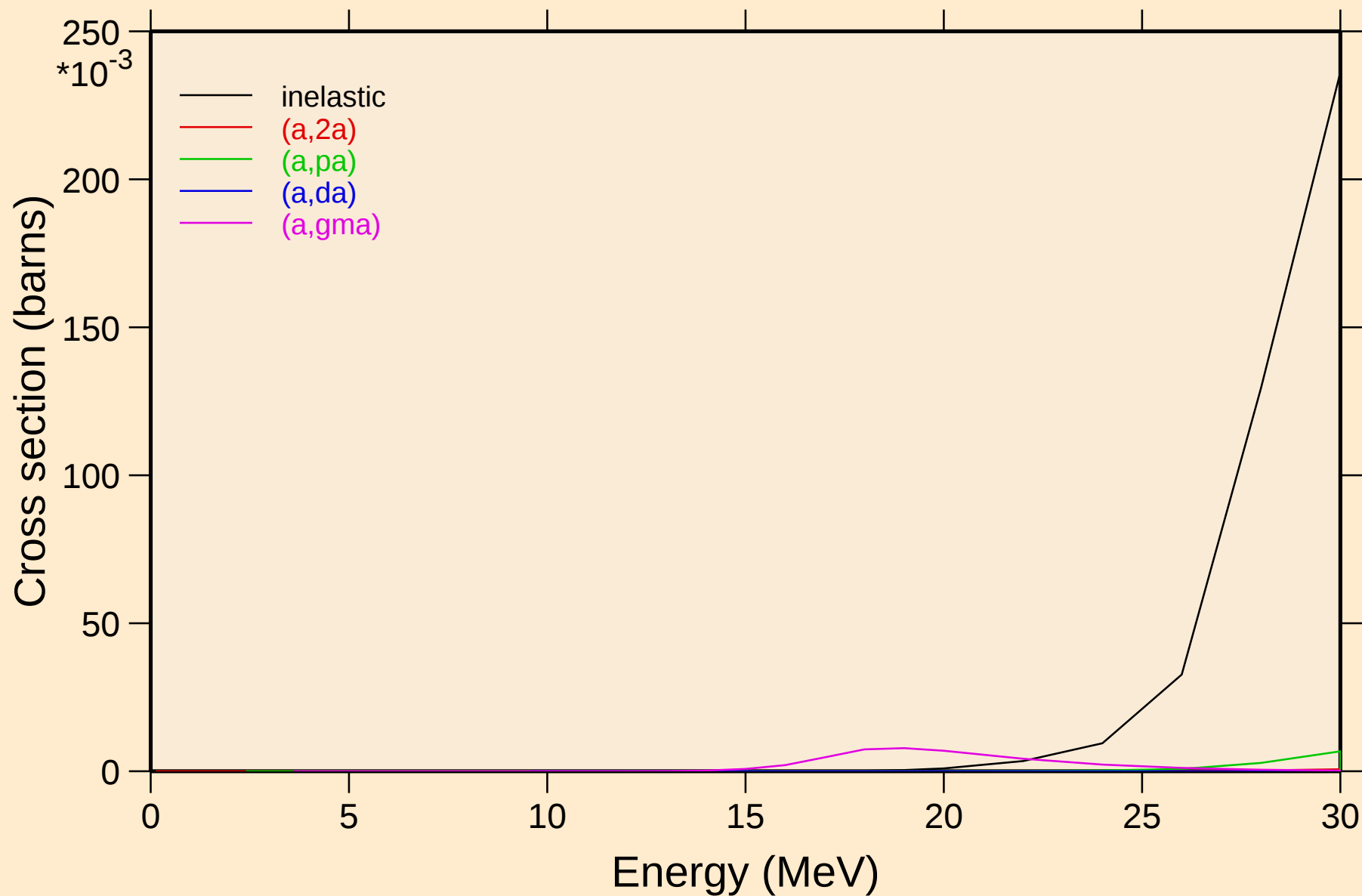
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



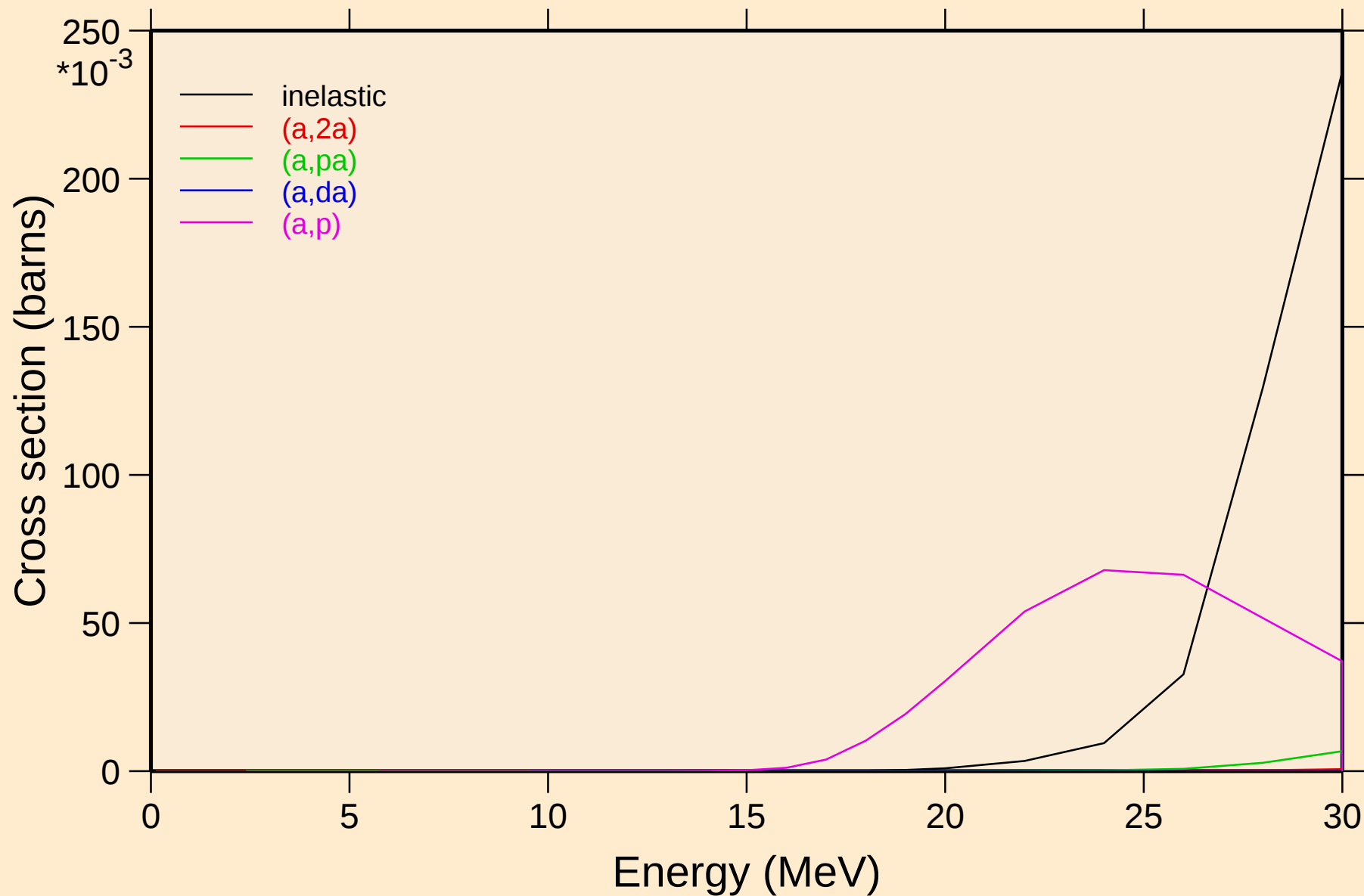
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



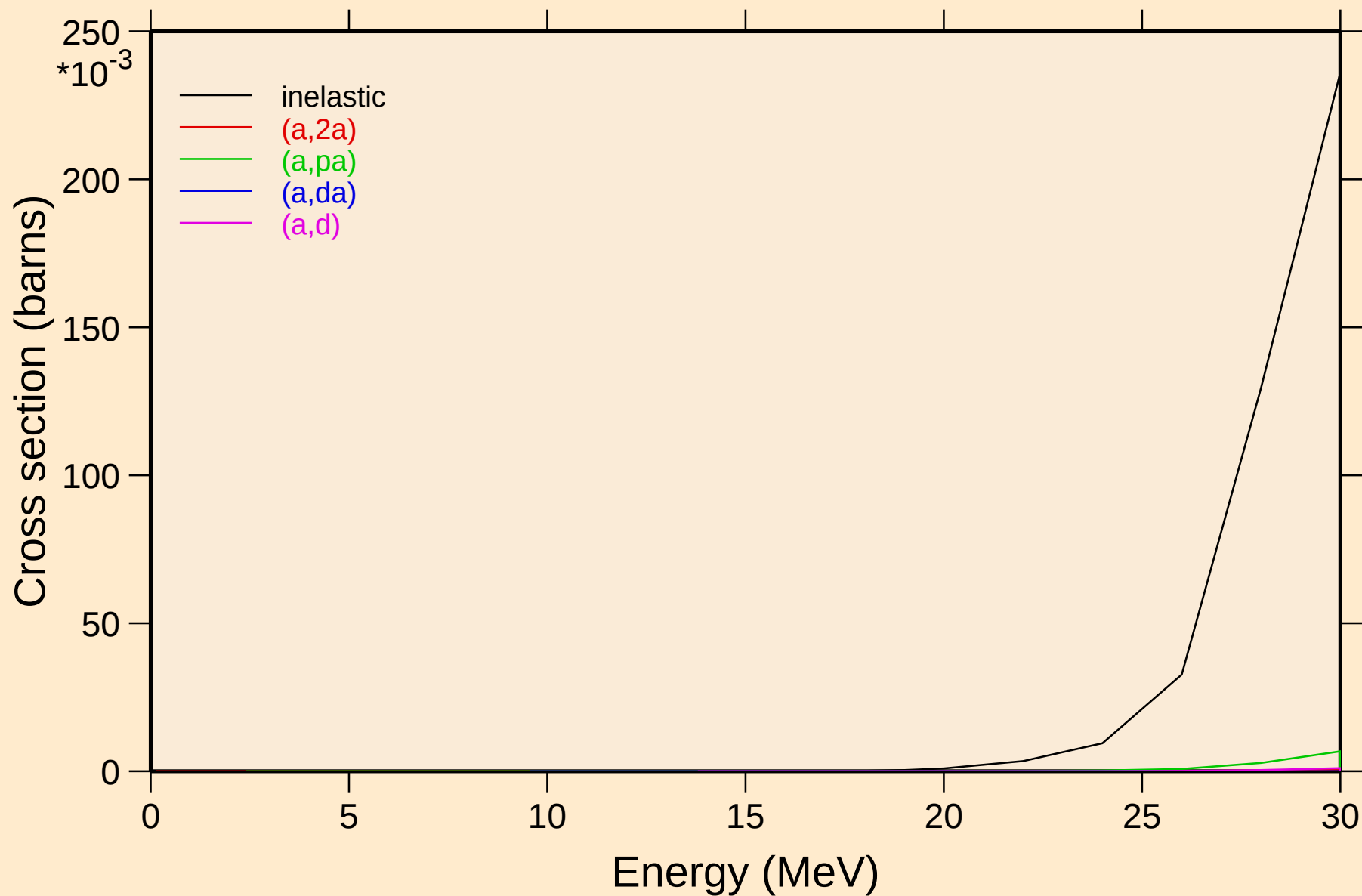
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



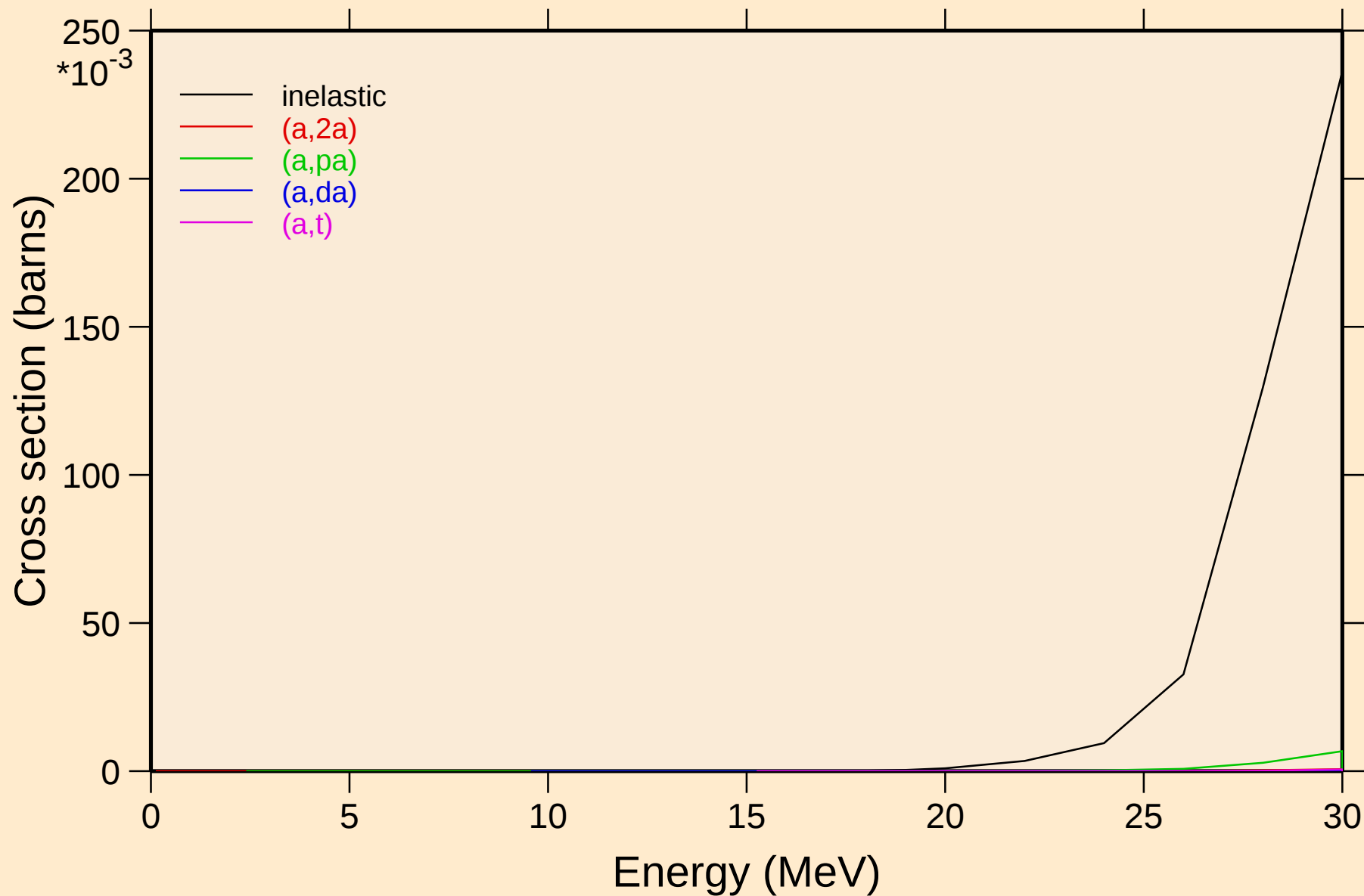
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



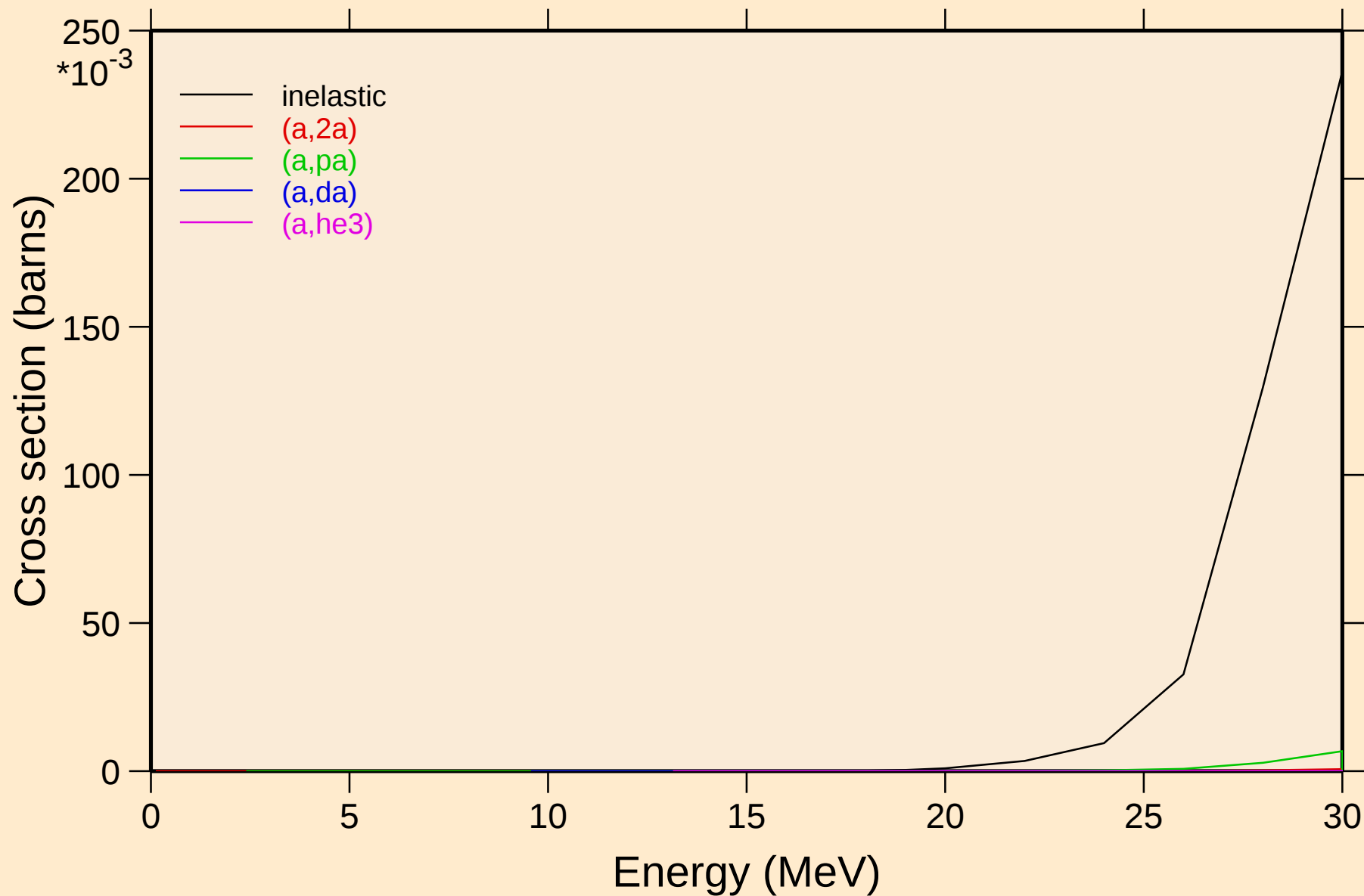
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



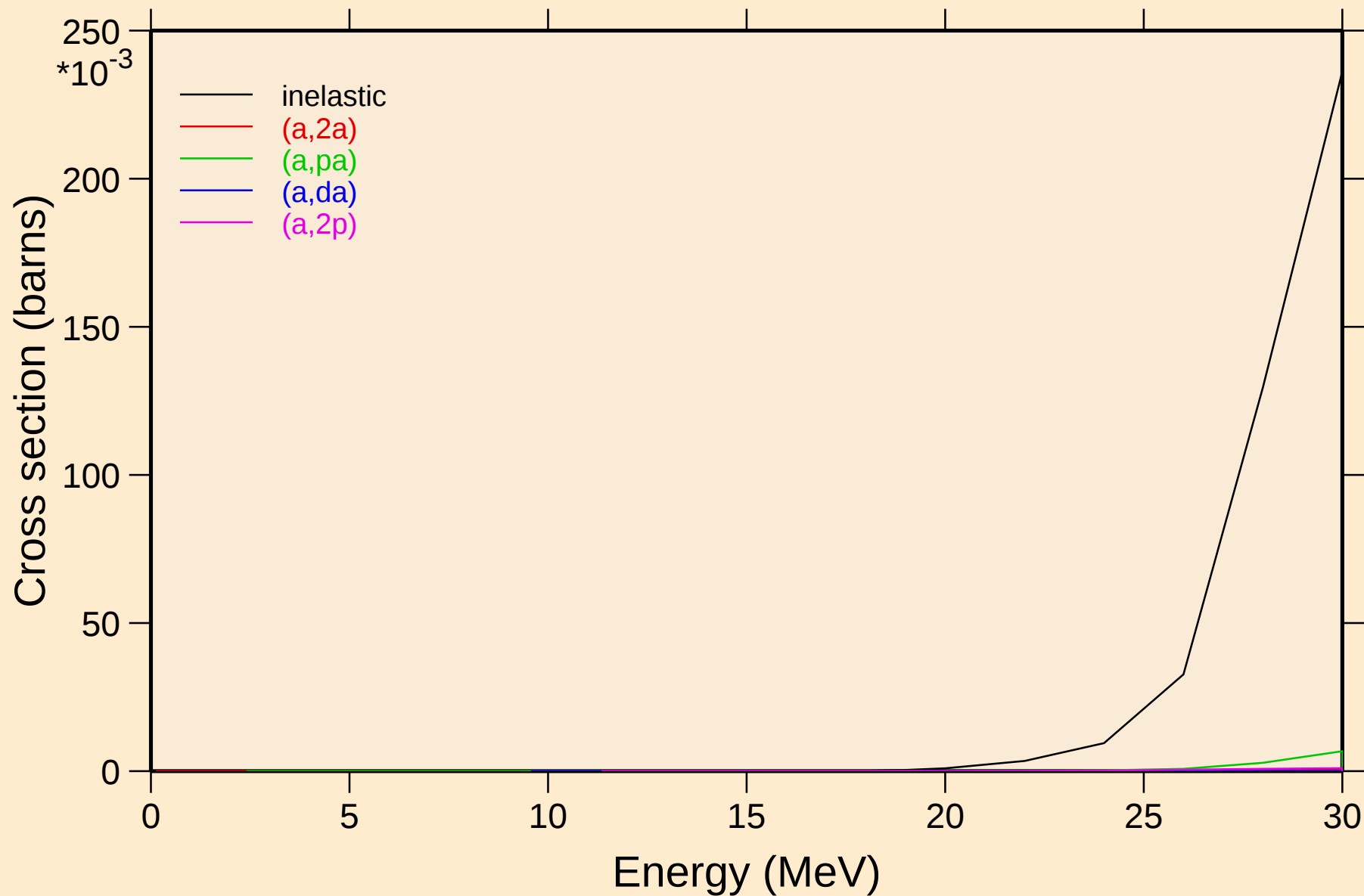
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



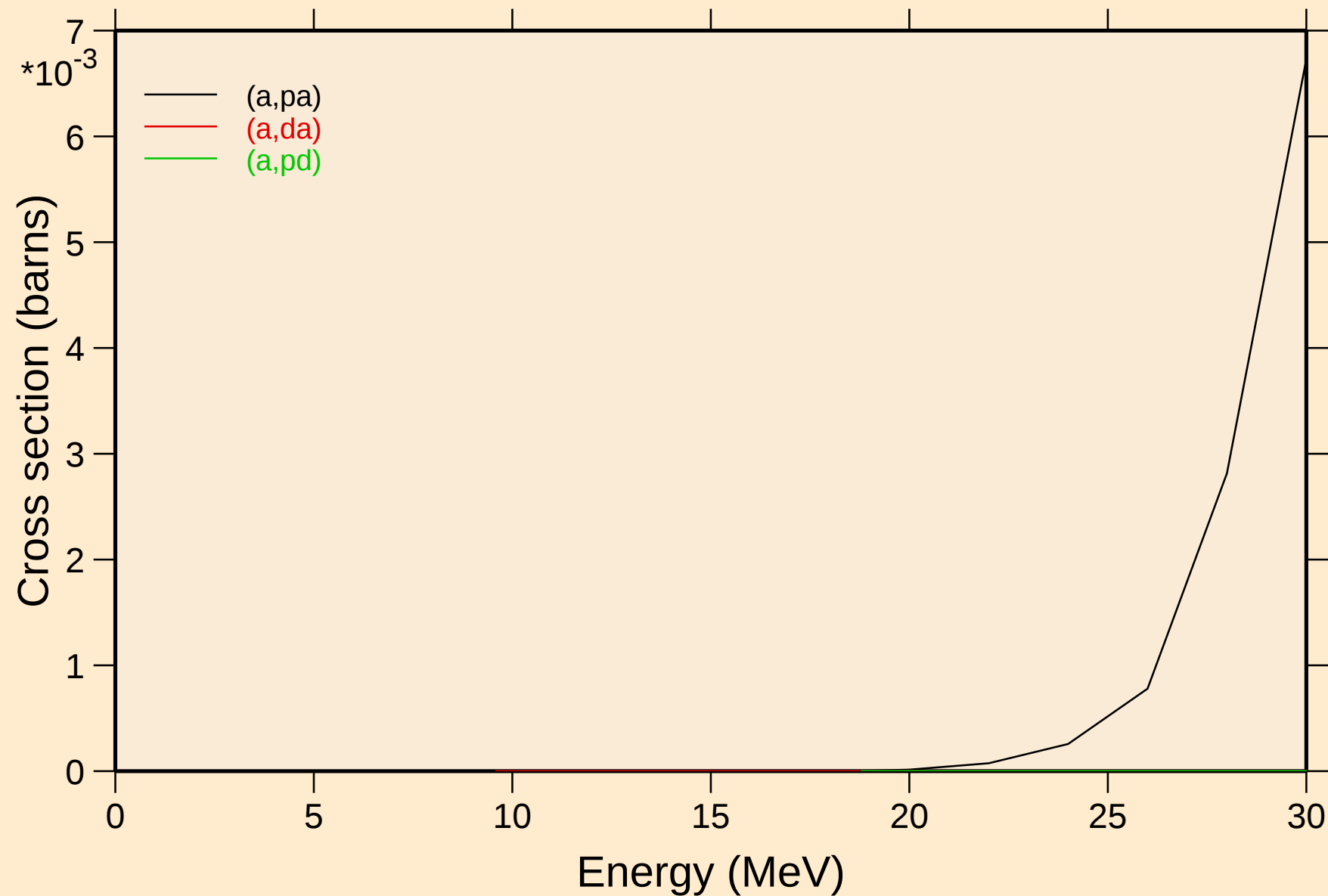
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



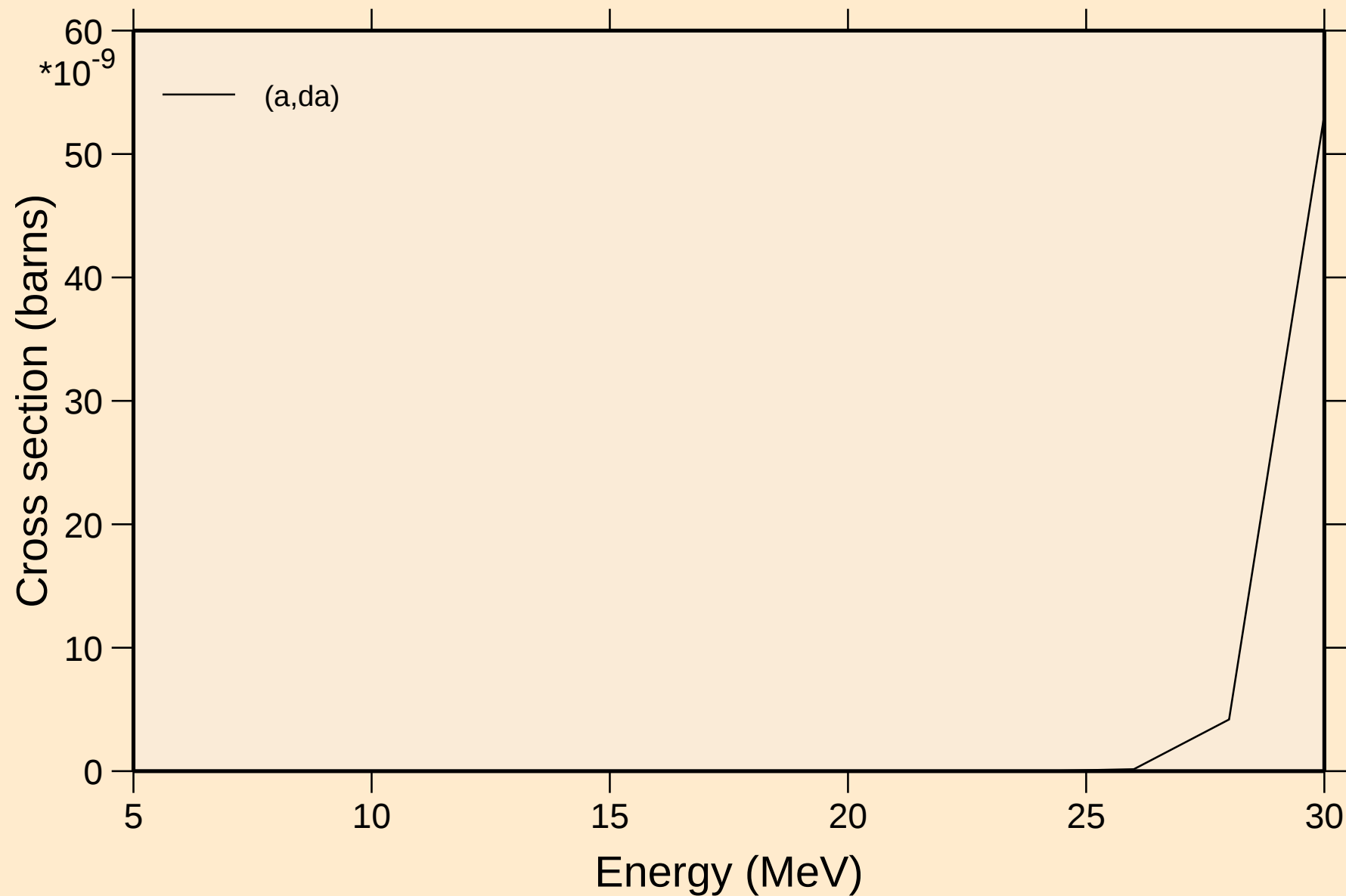
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

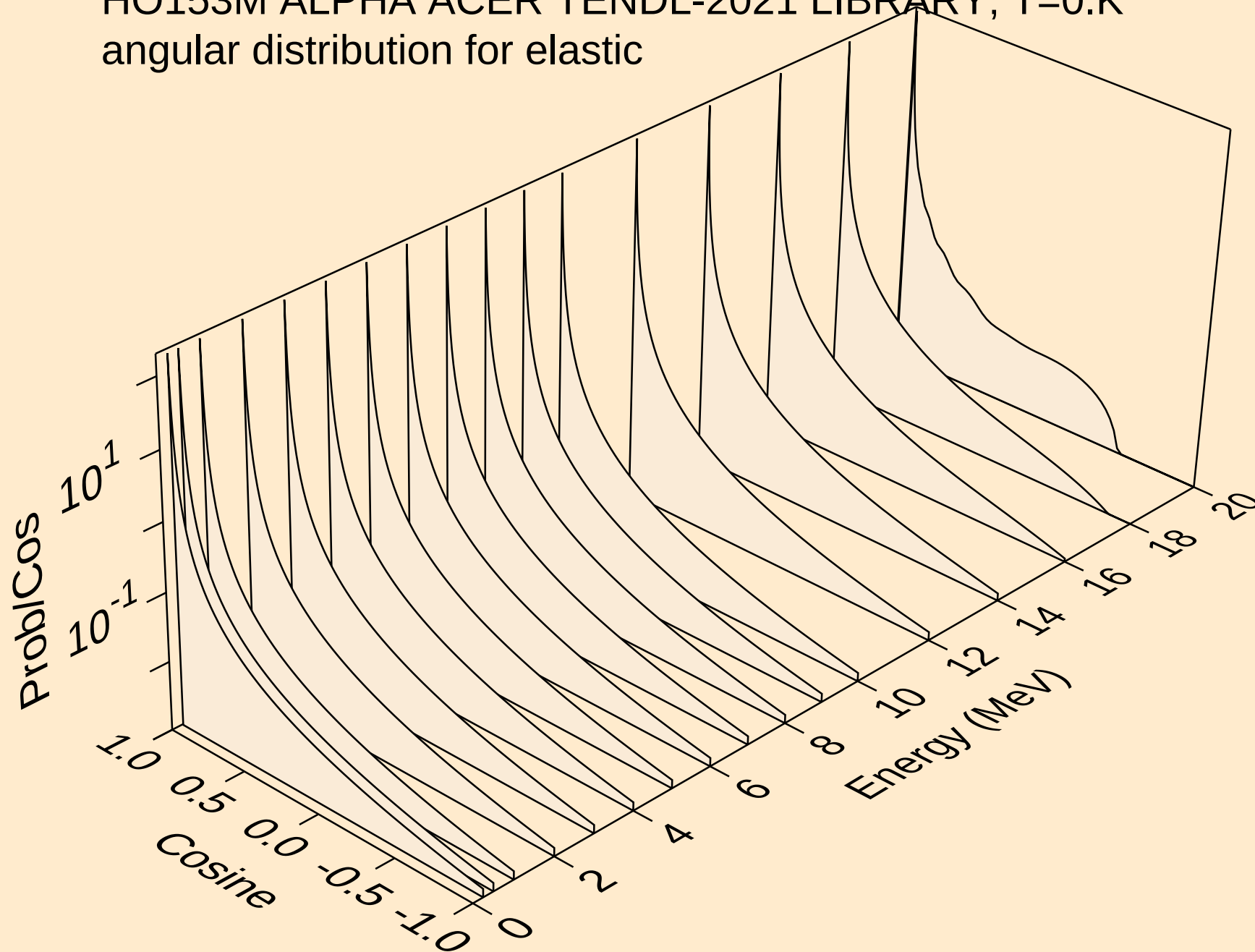


# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

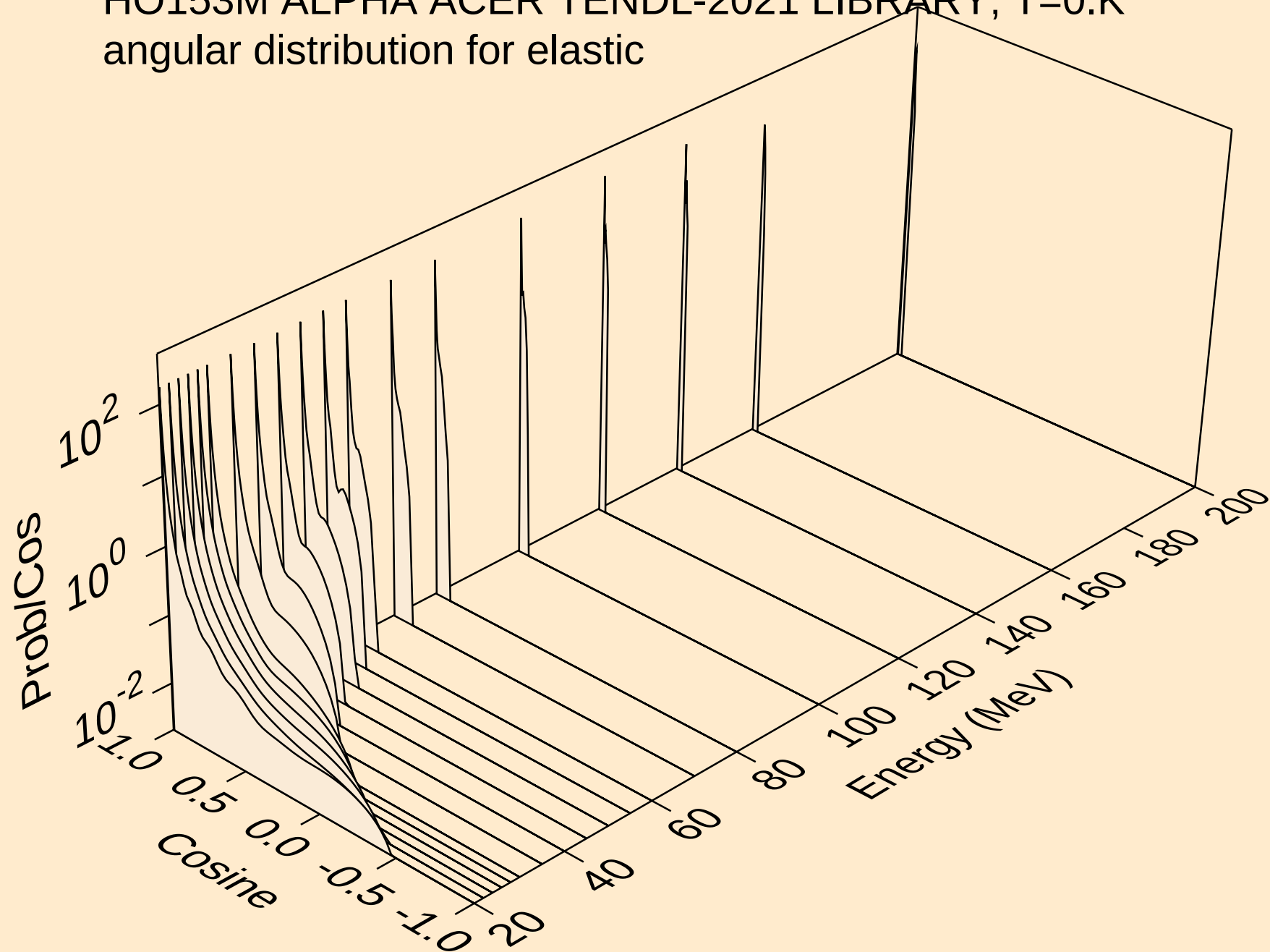
Threshold reactions



HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

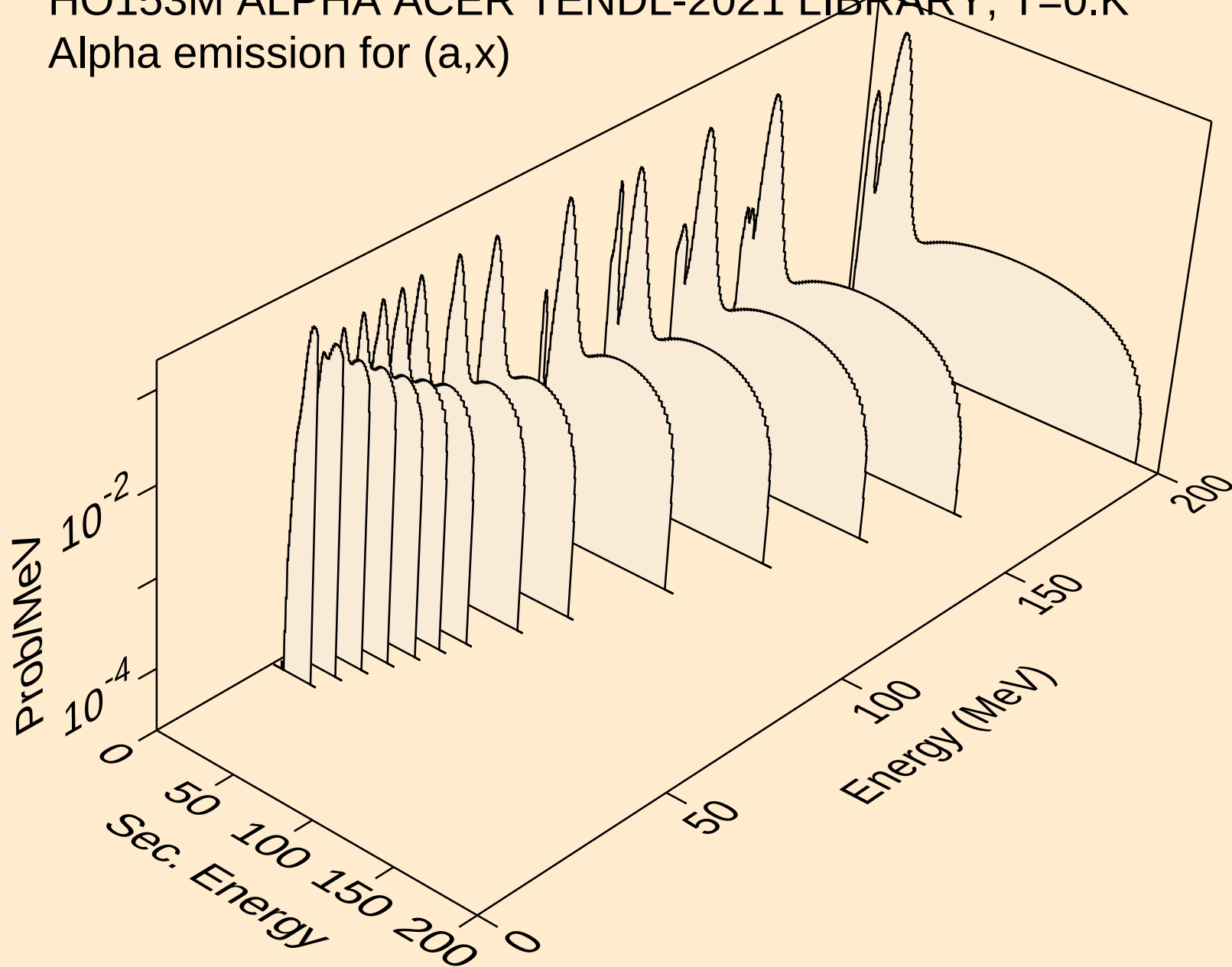


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



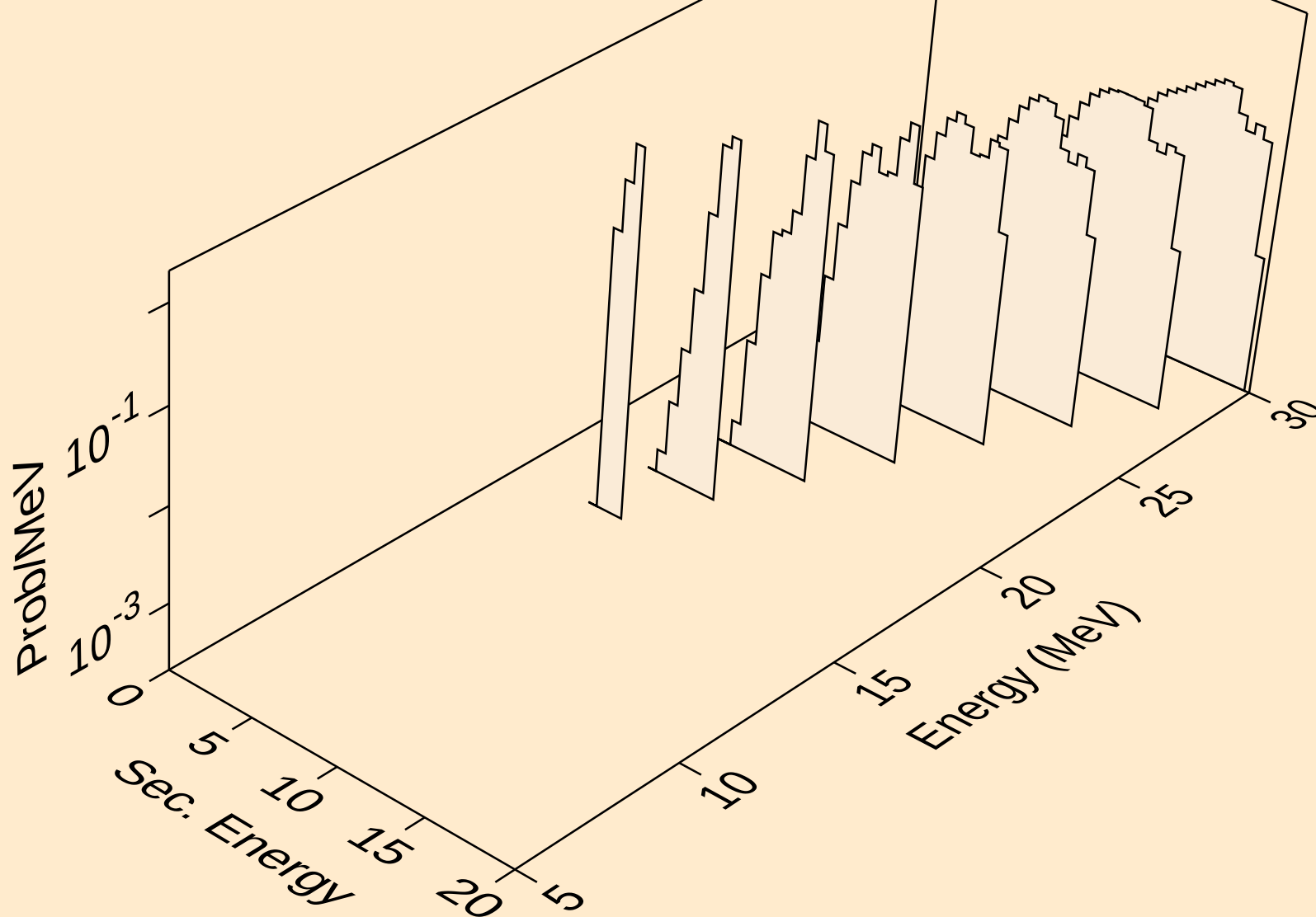
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)



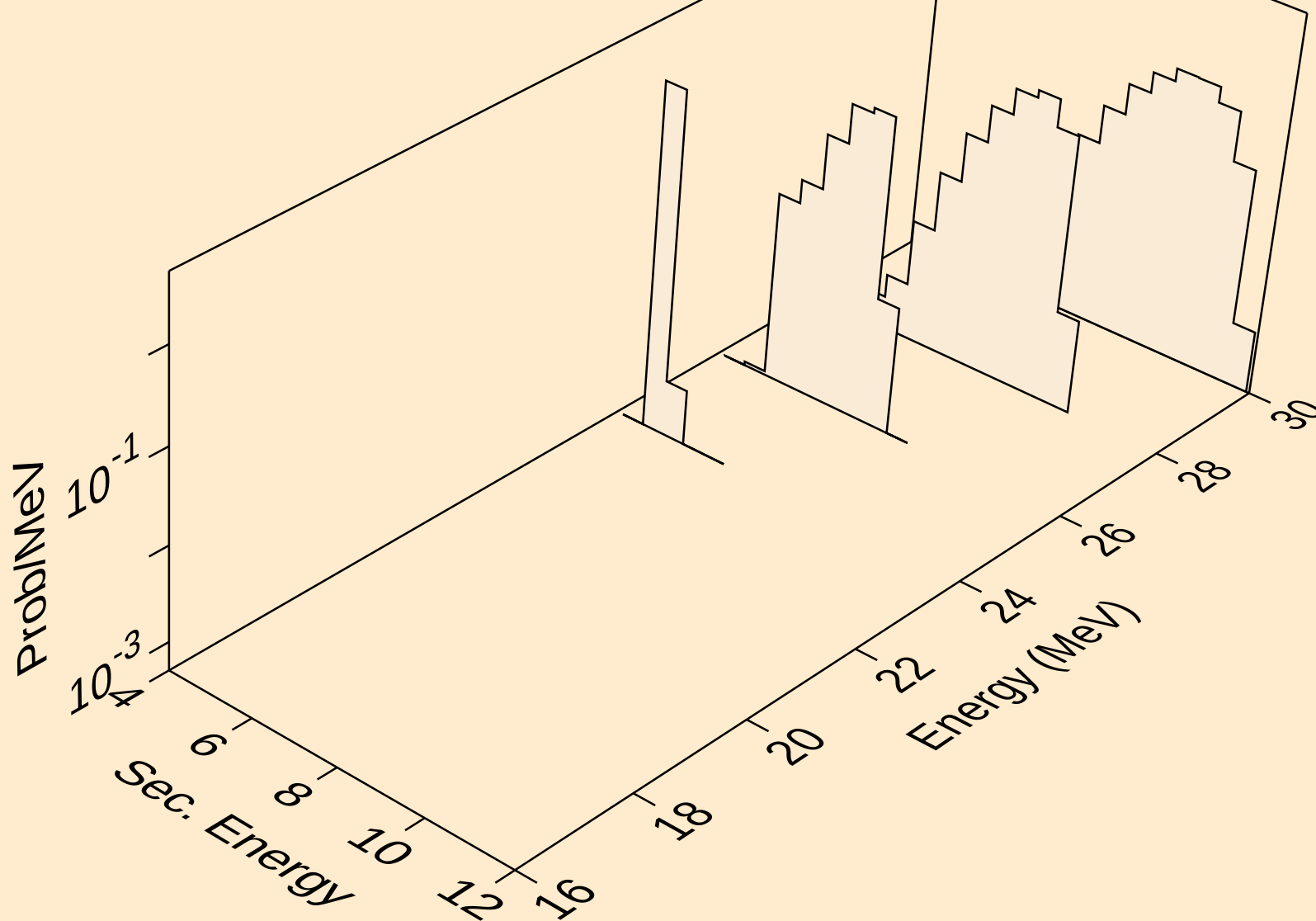
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



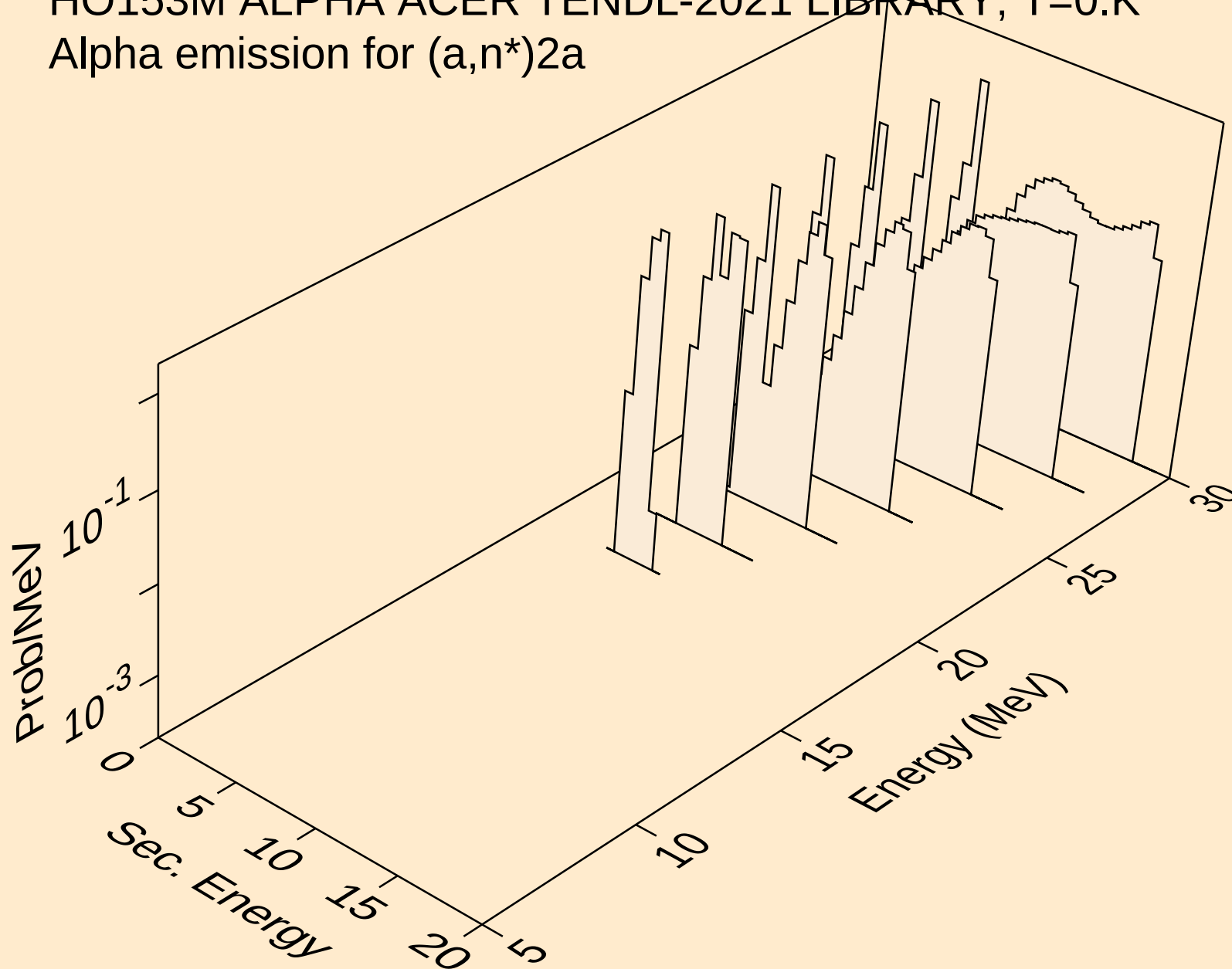
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)a



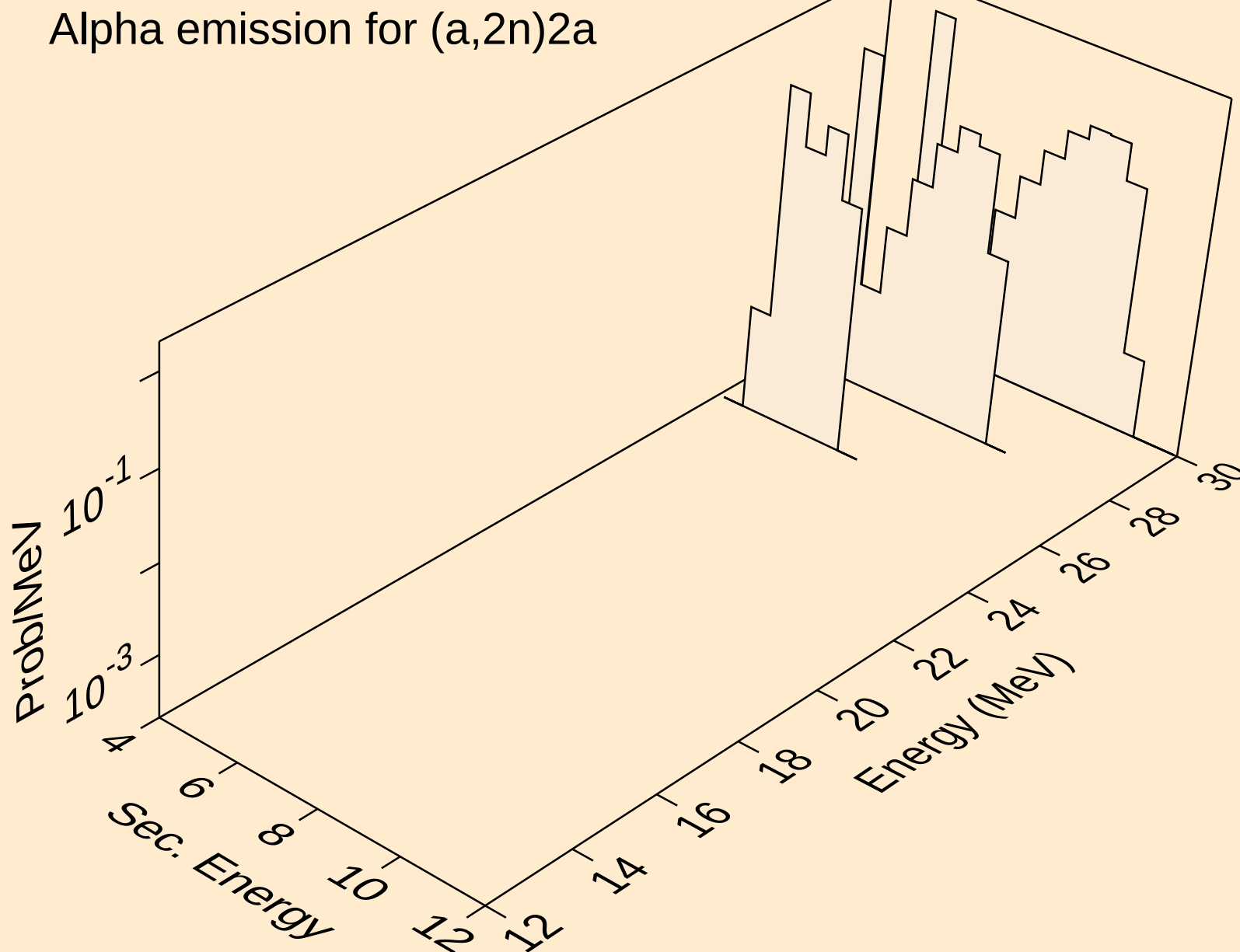
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

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



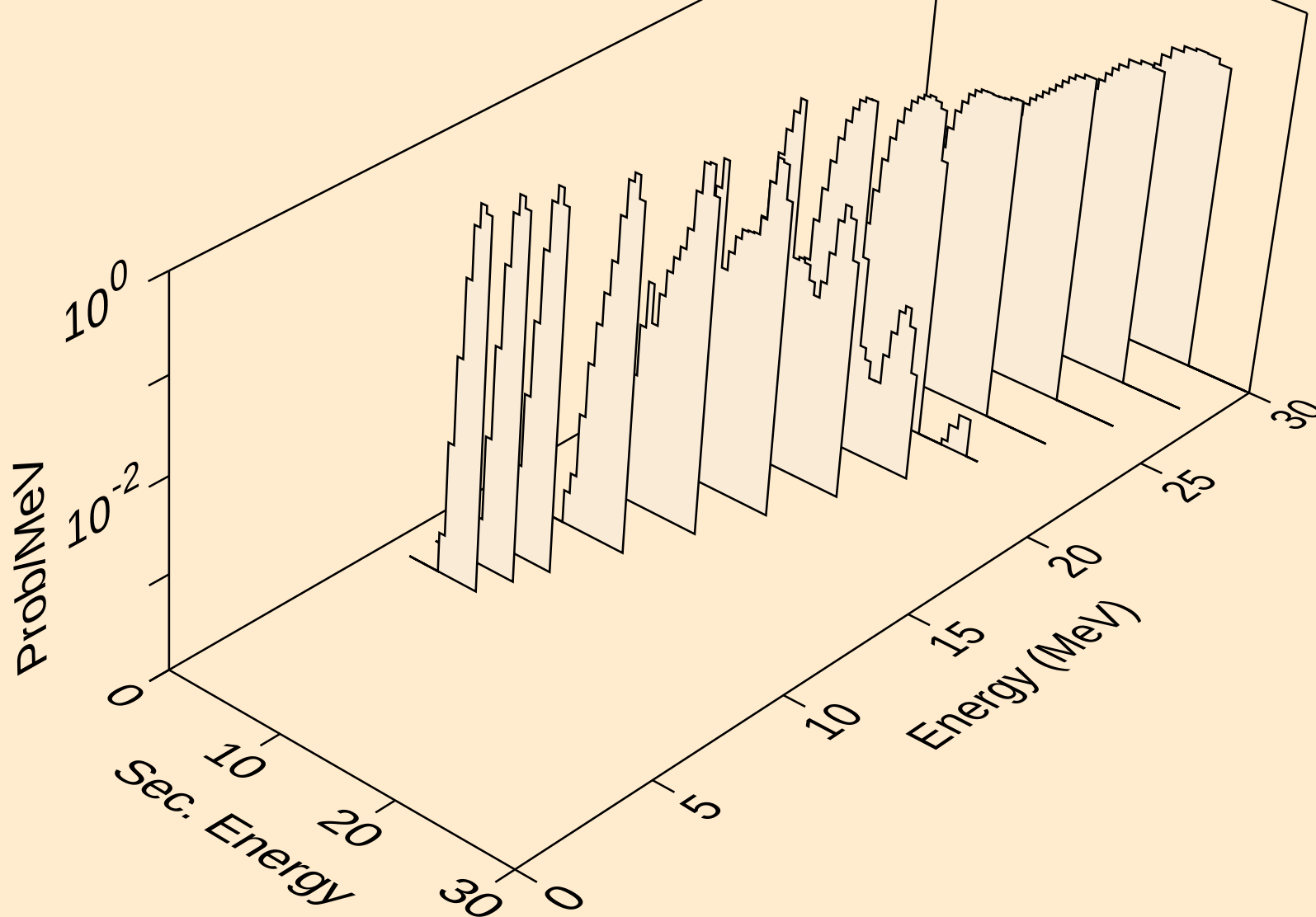
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)2a



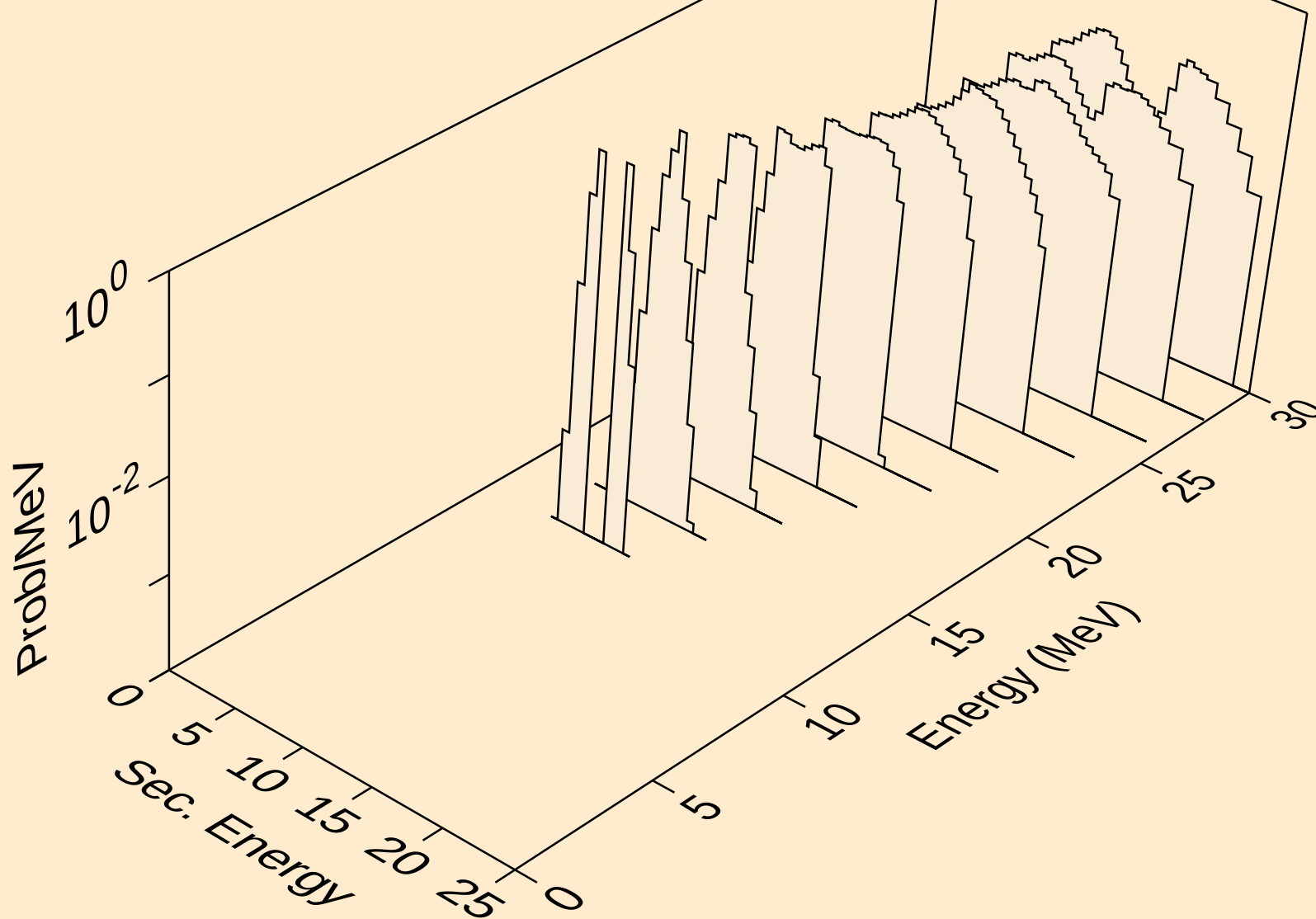
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for inelastic



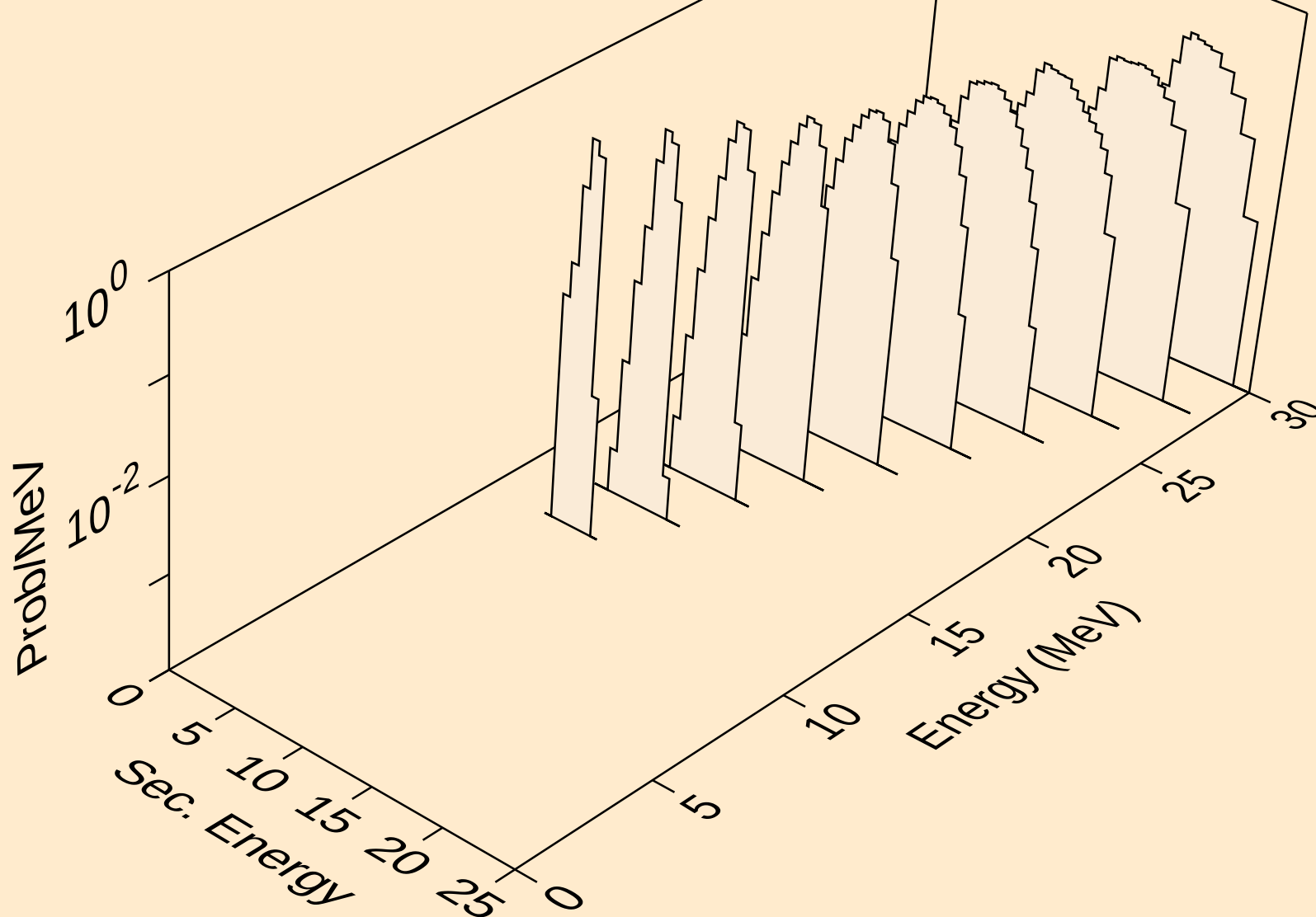
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2a)



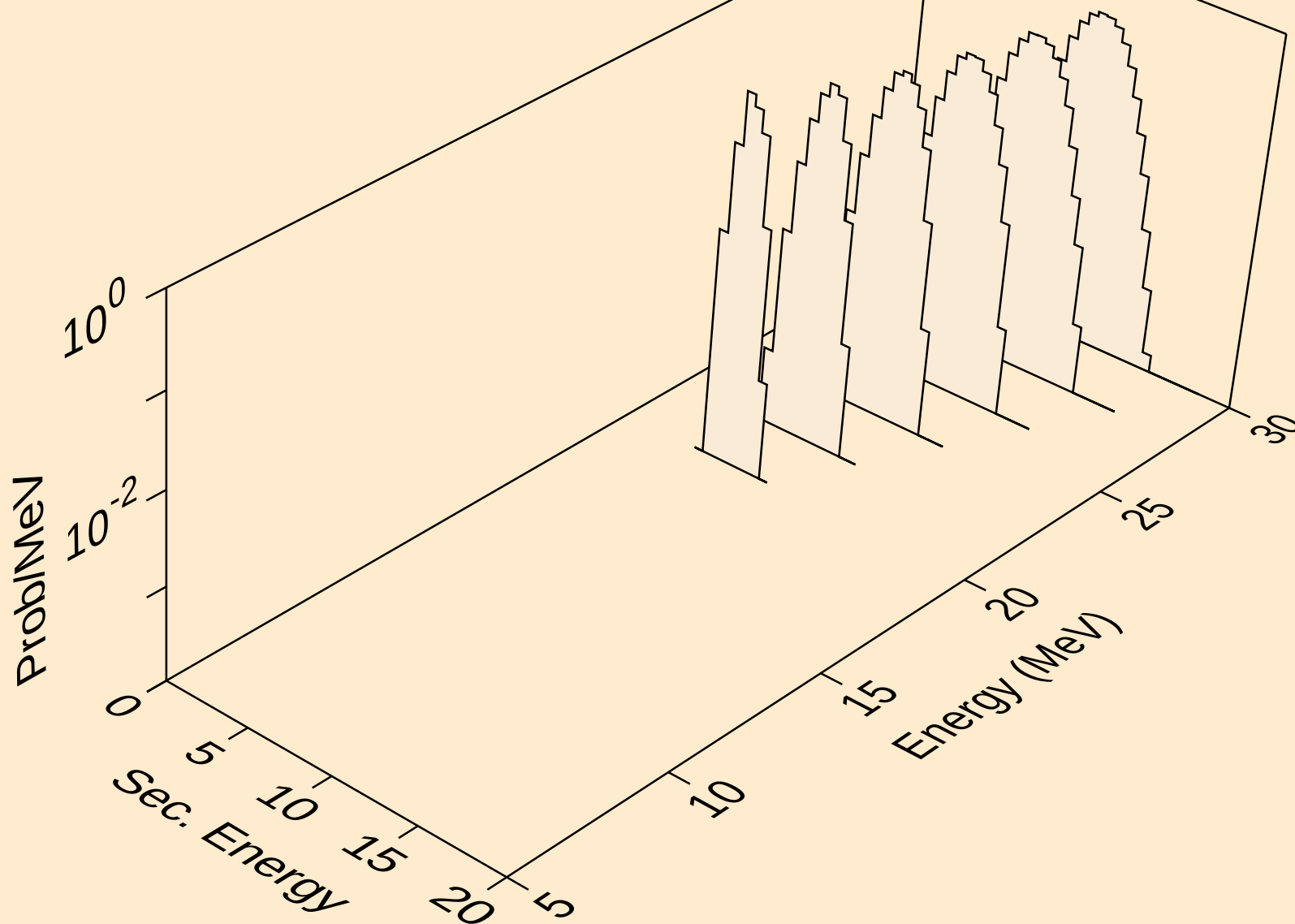
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,pa)

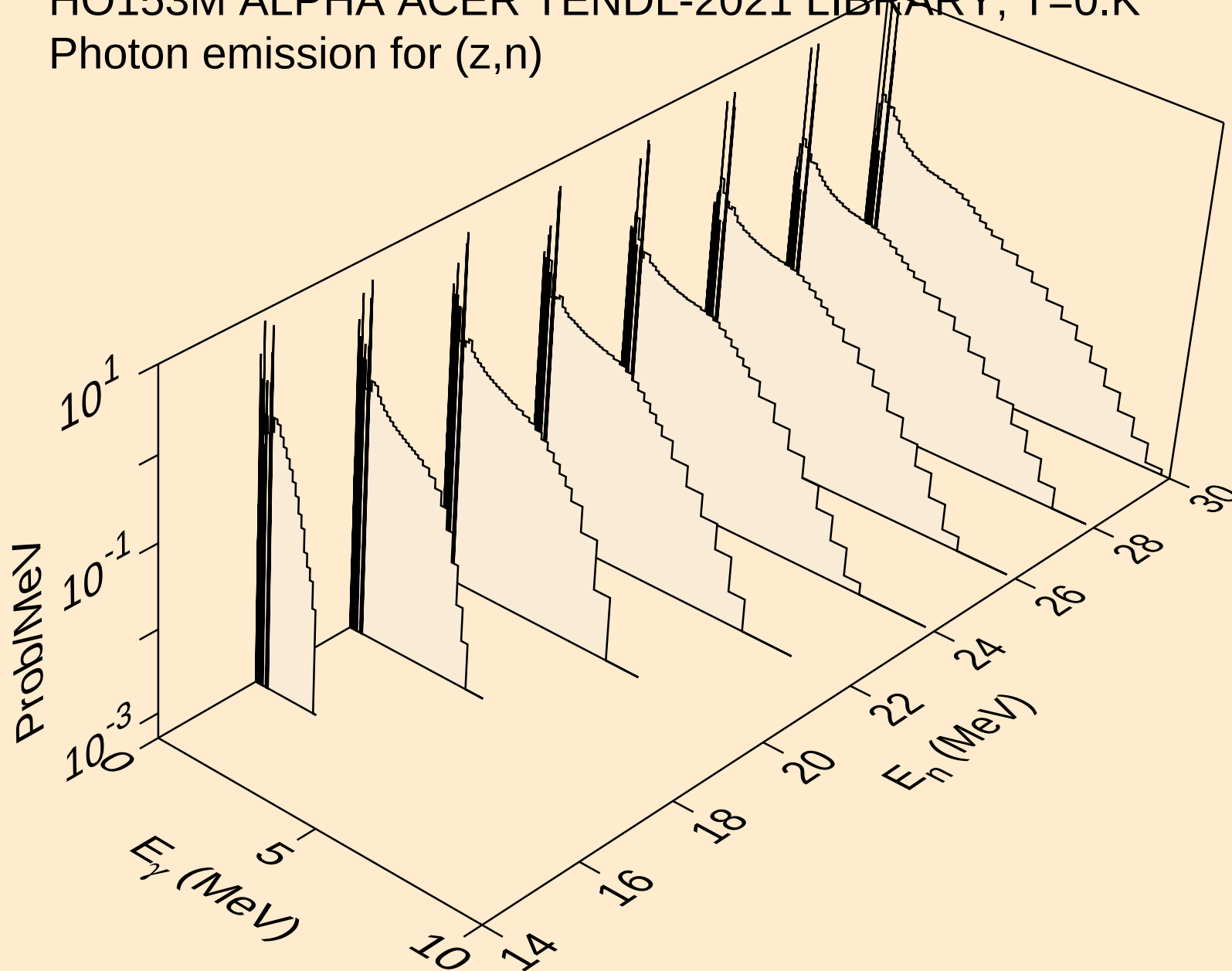


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,da)

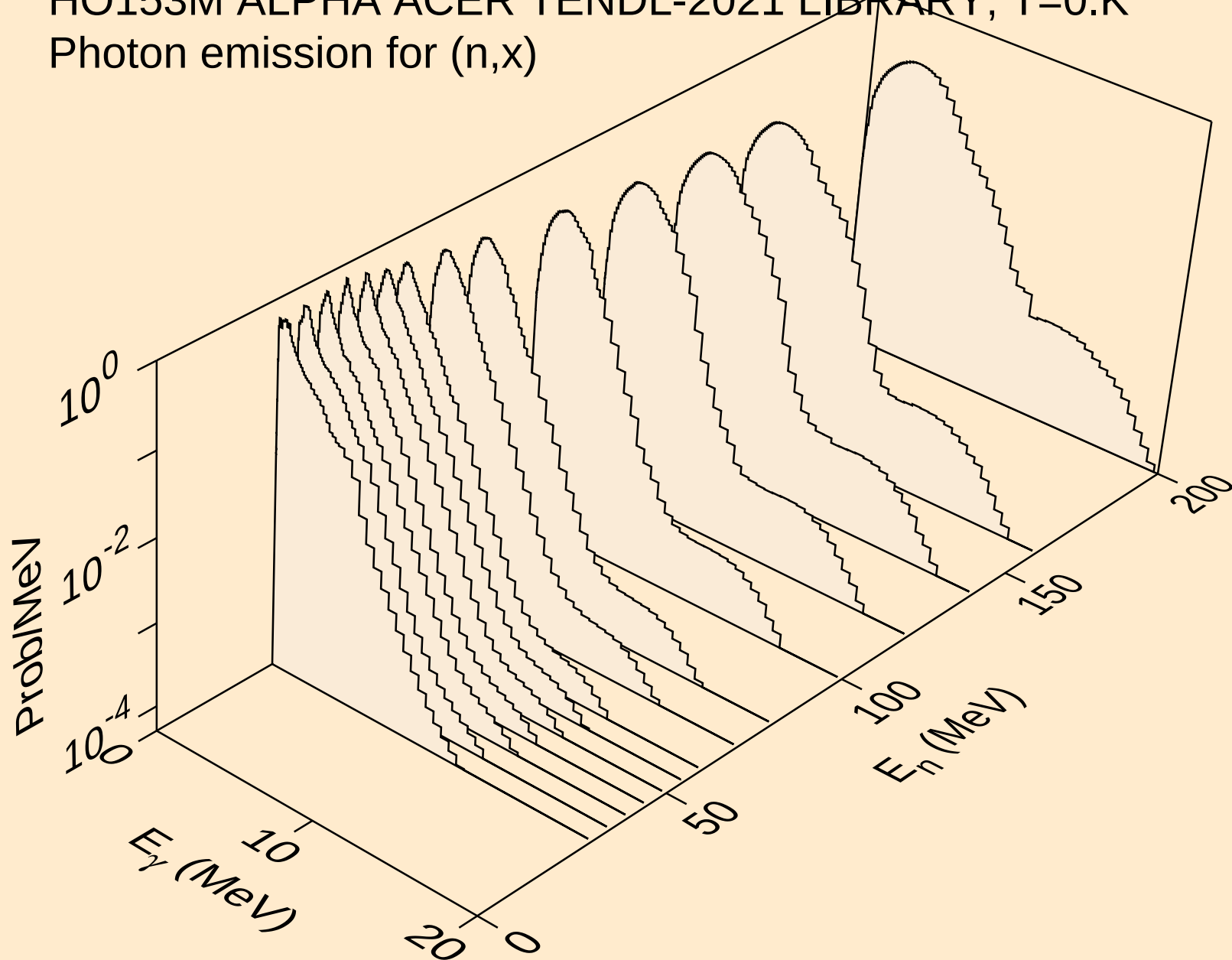


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

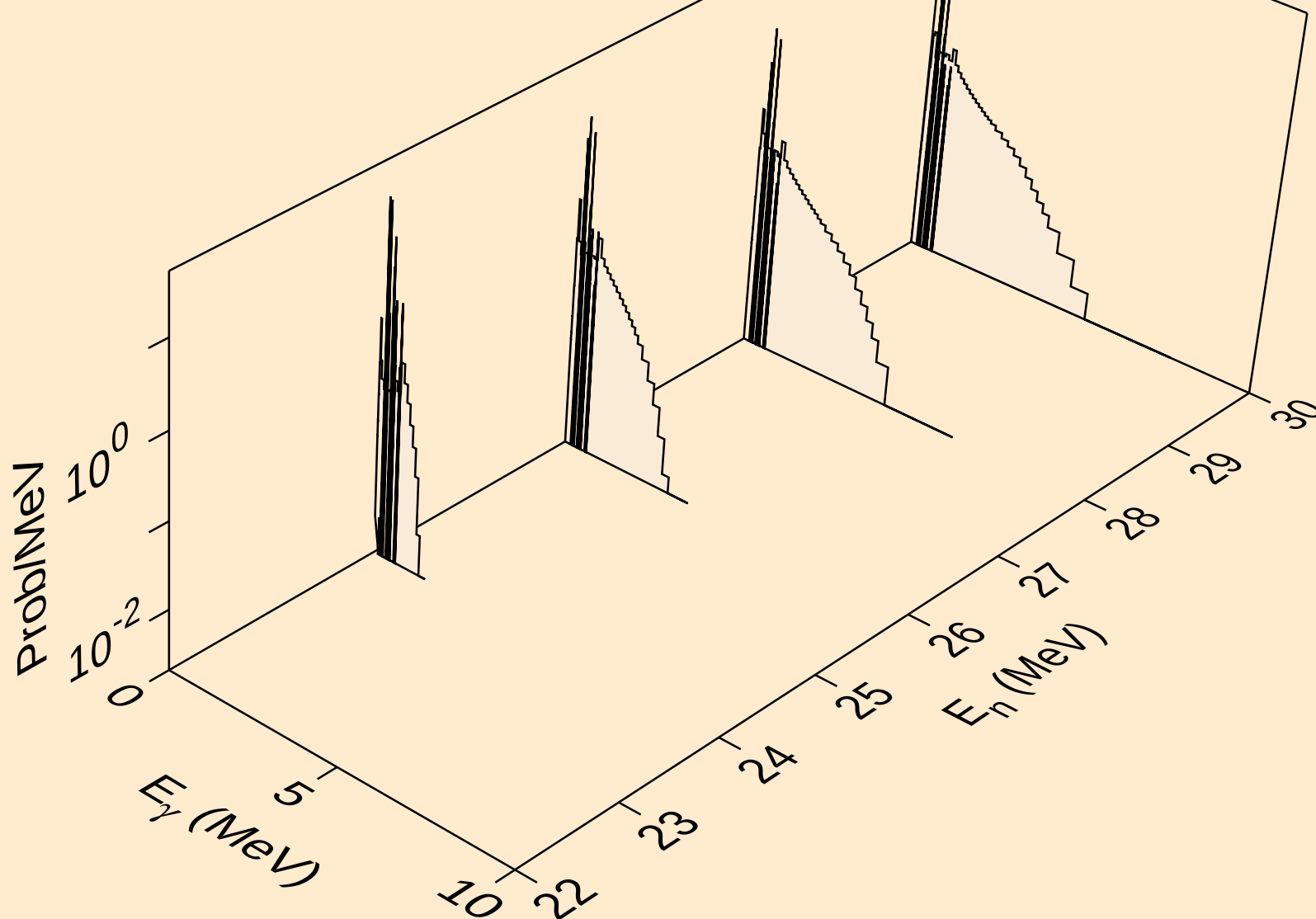


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,x)

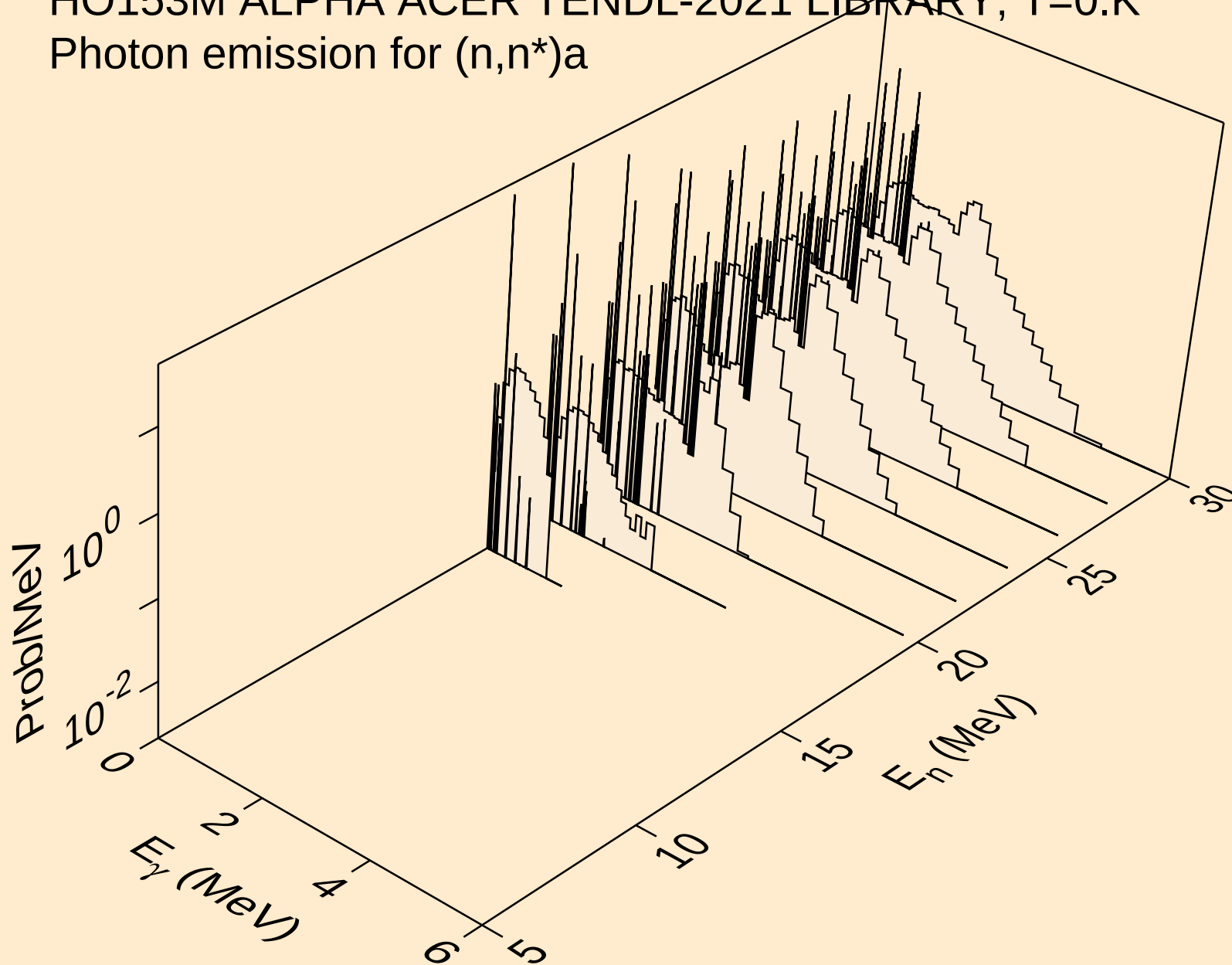


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



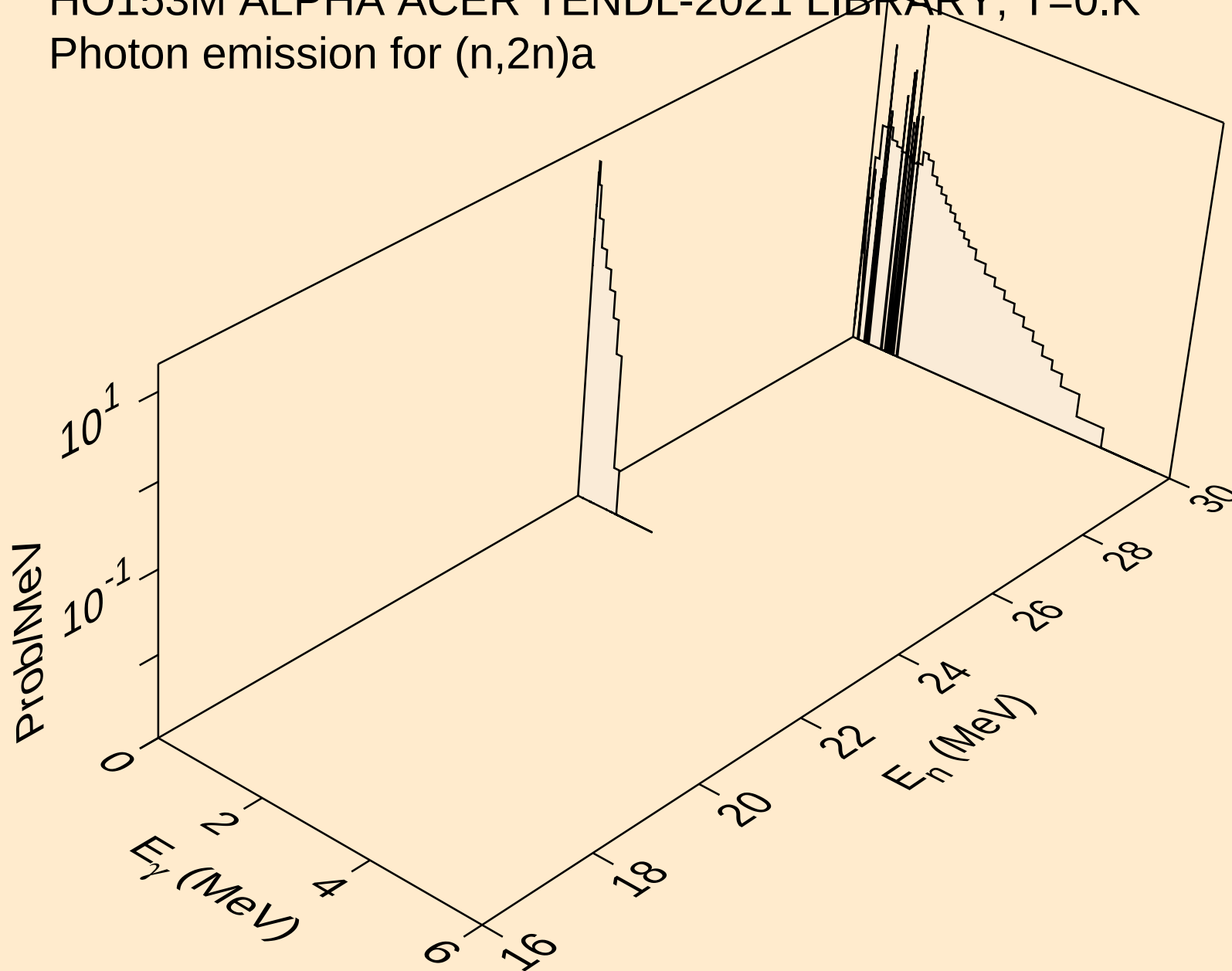
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



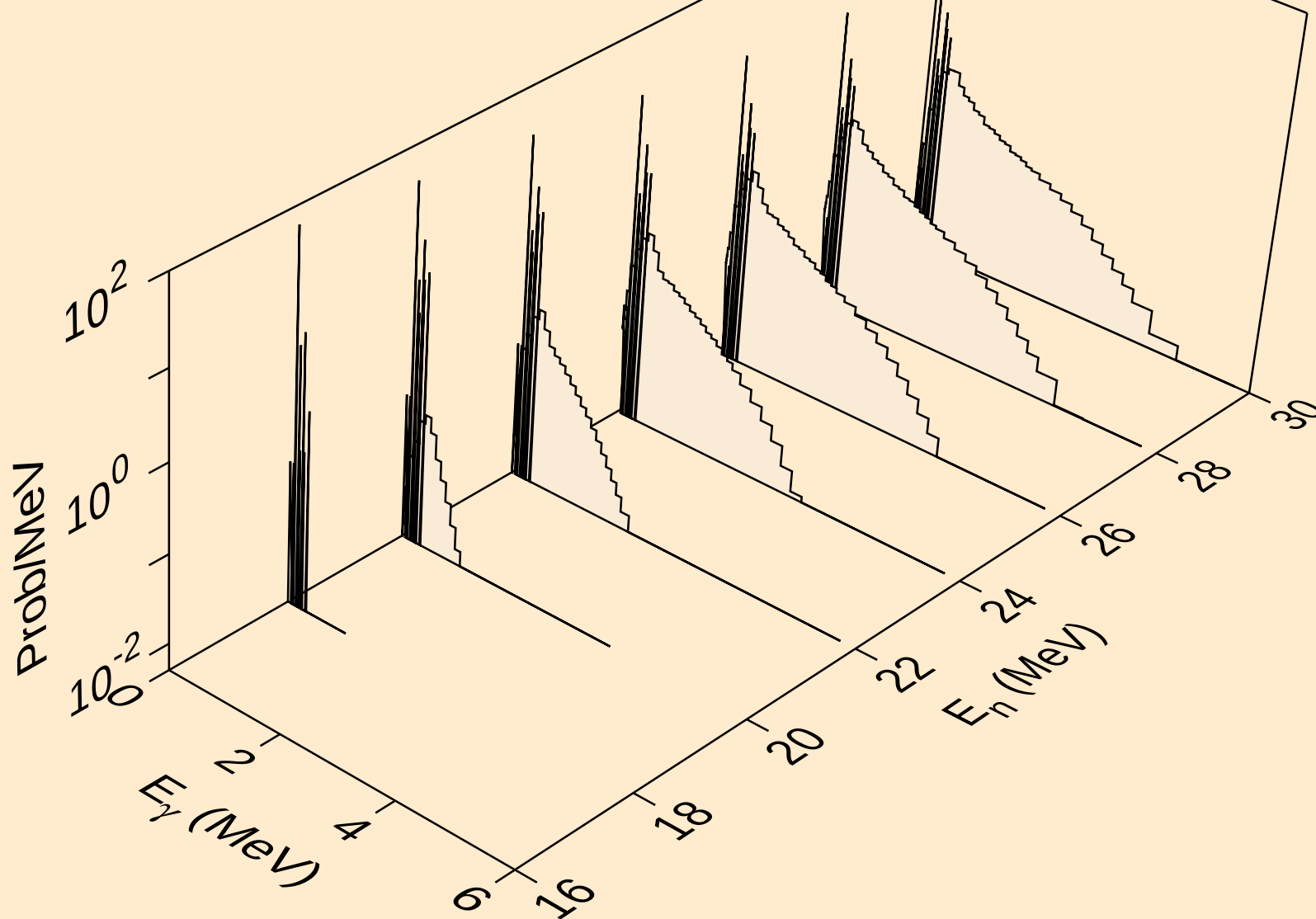
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

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

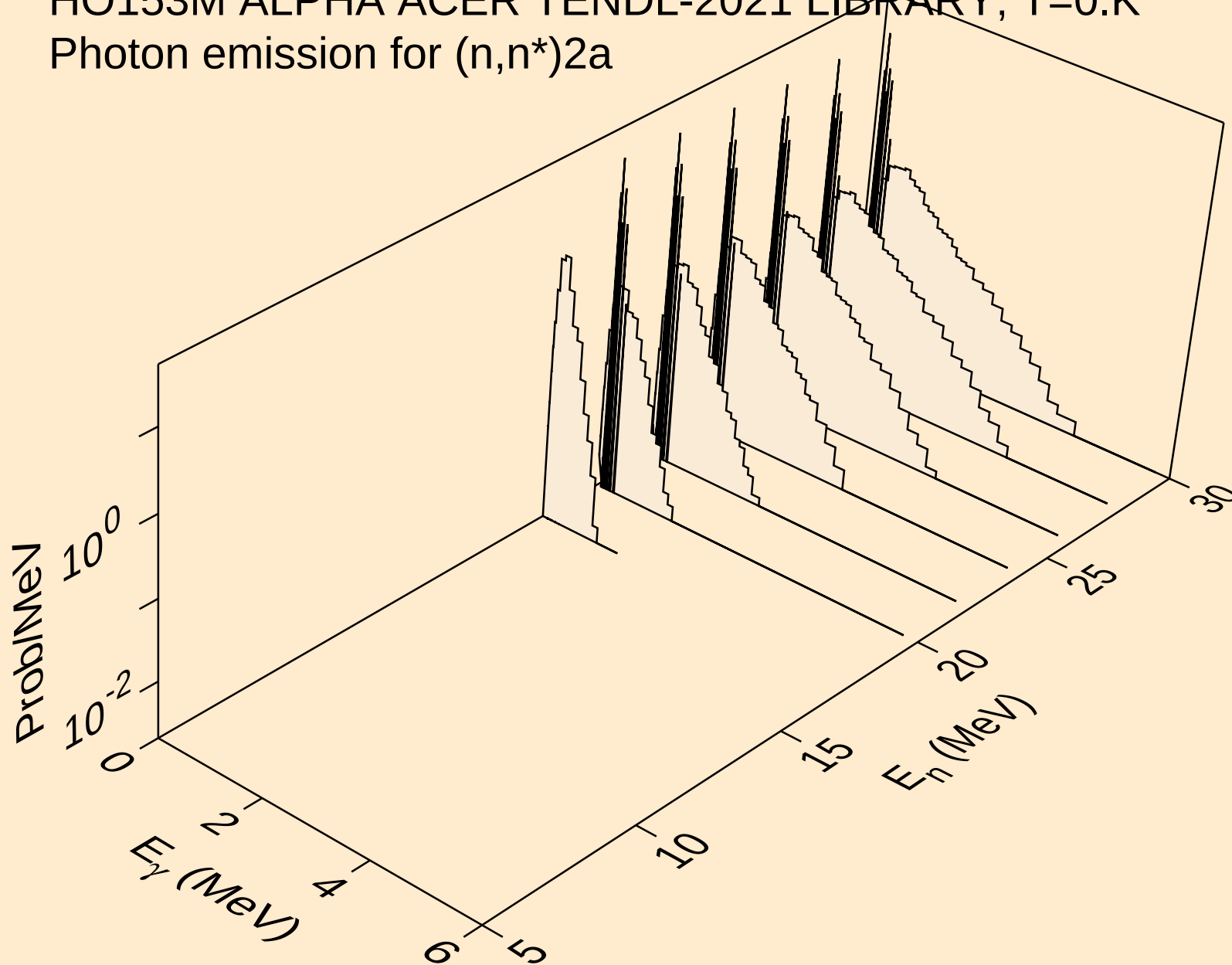


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p

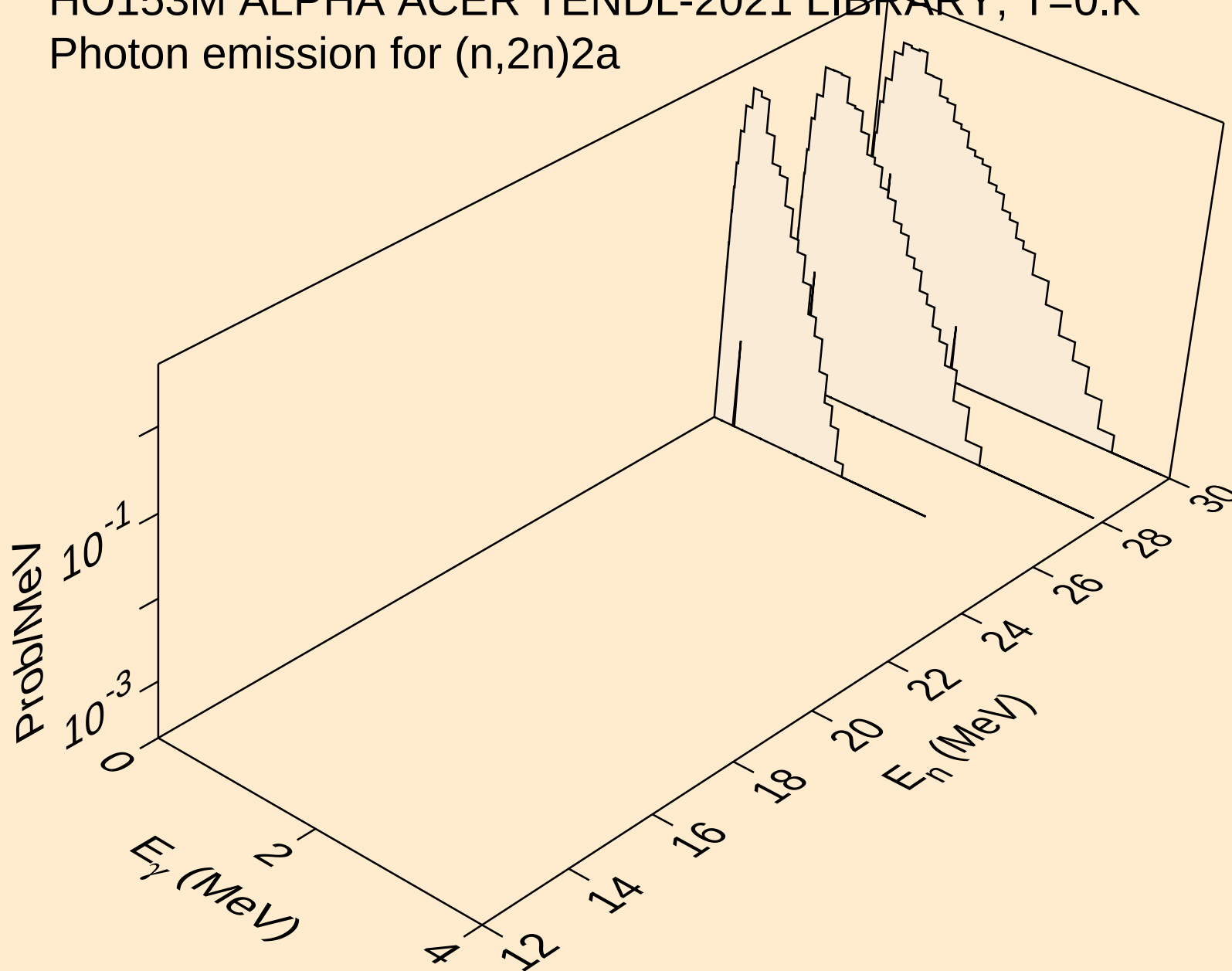


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



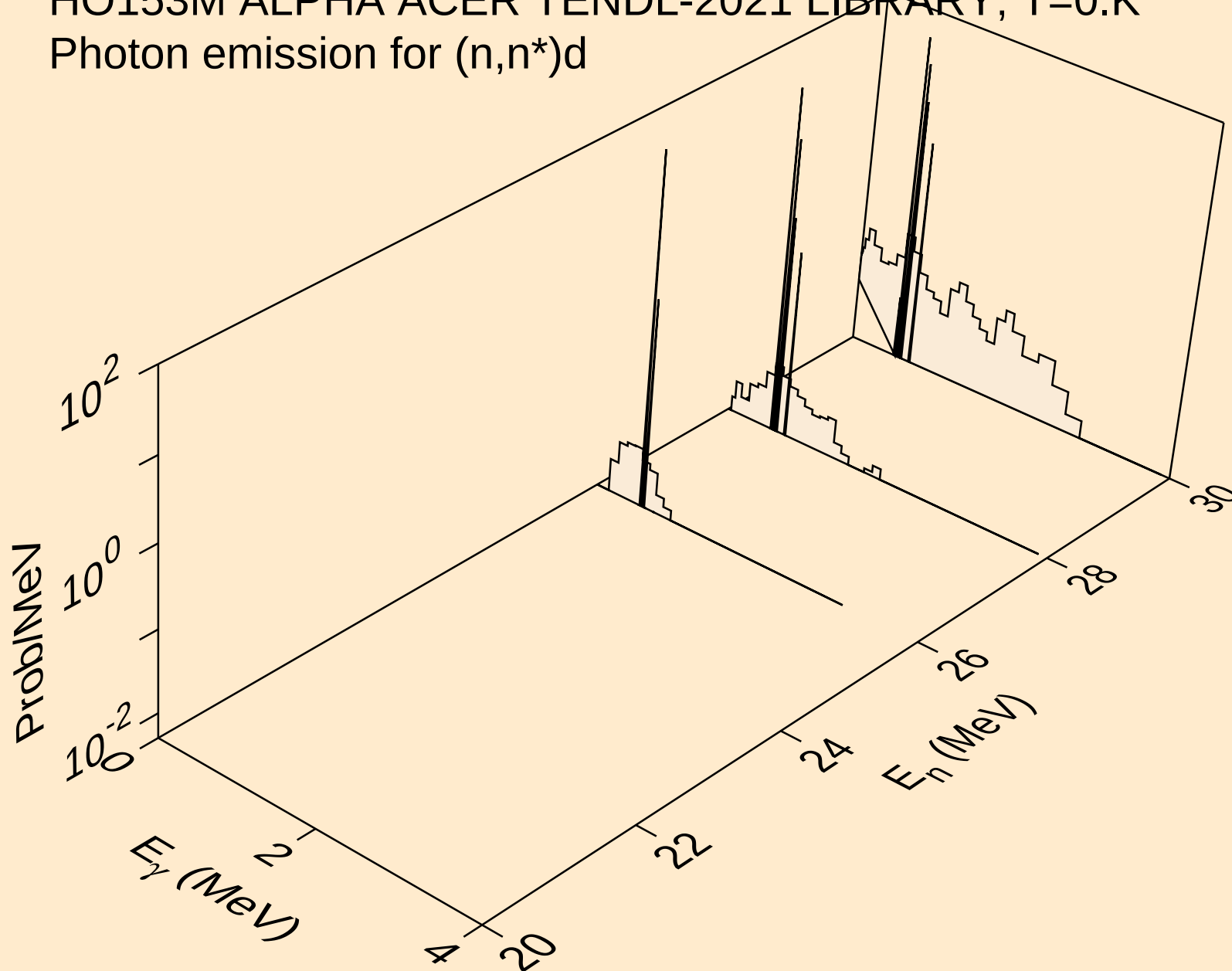
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n)2a

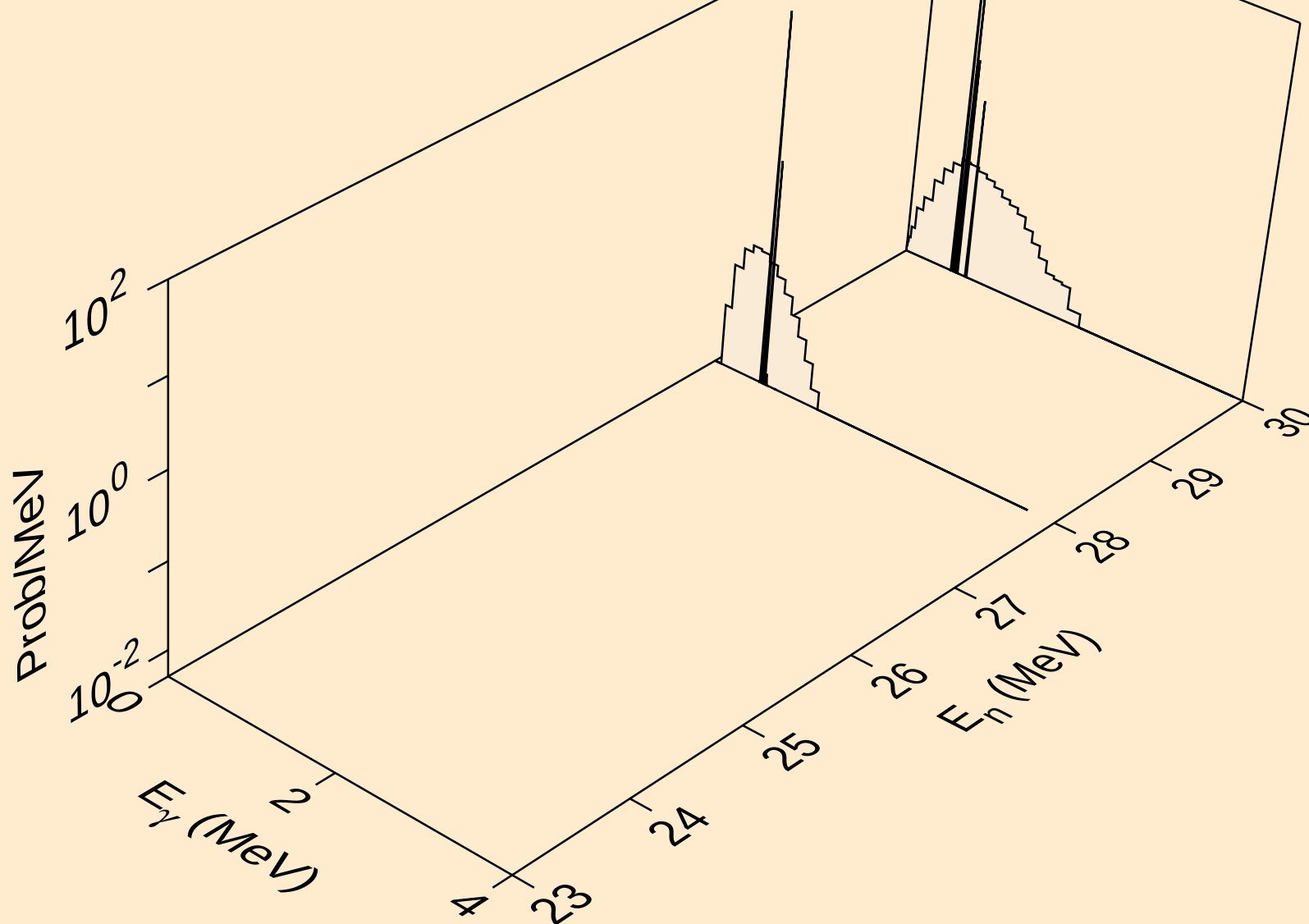


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

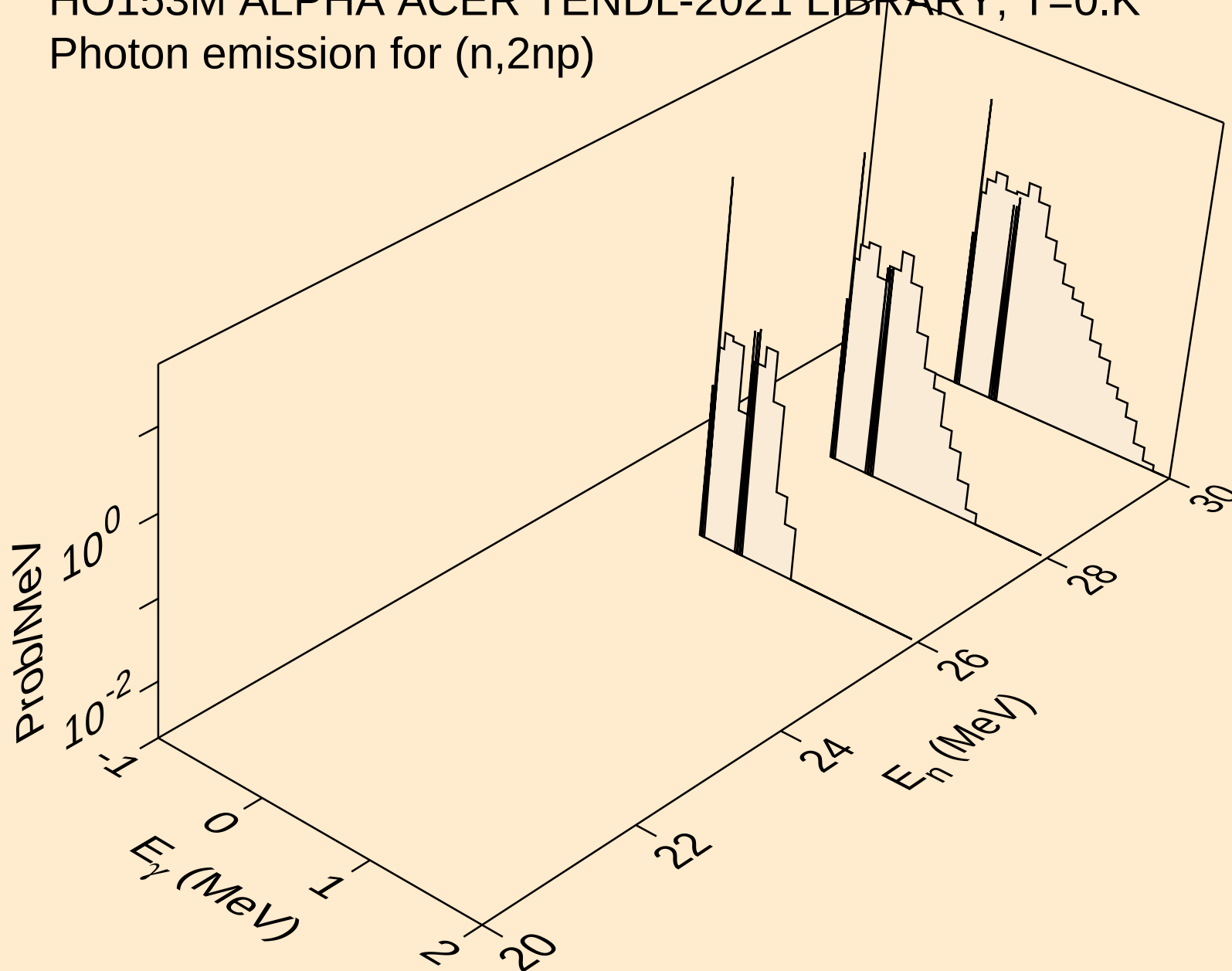
Photon emission for (n,n\*)d



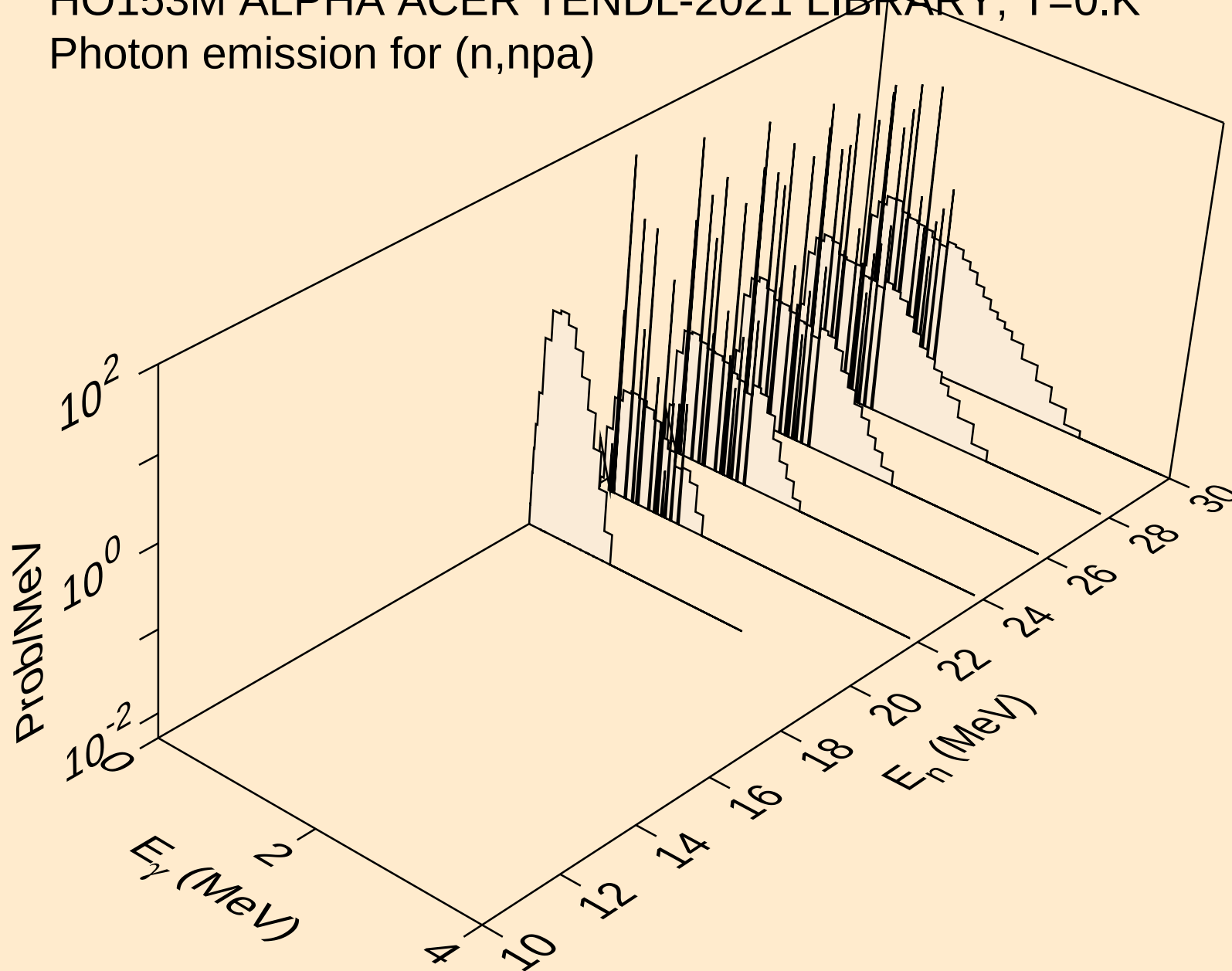
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



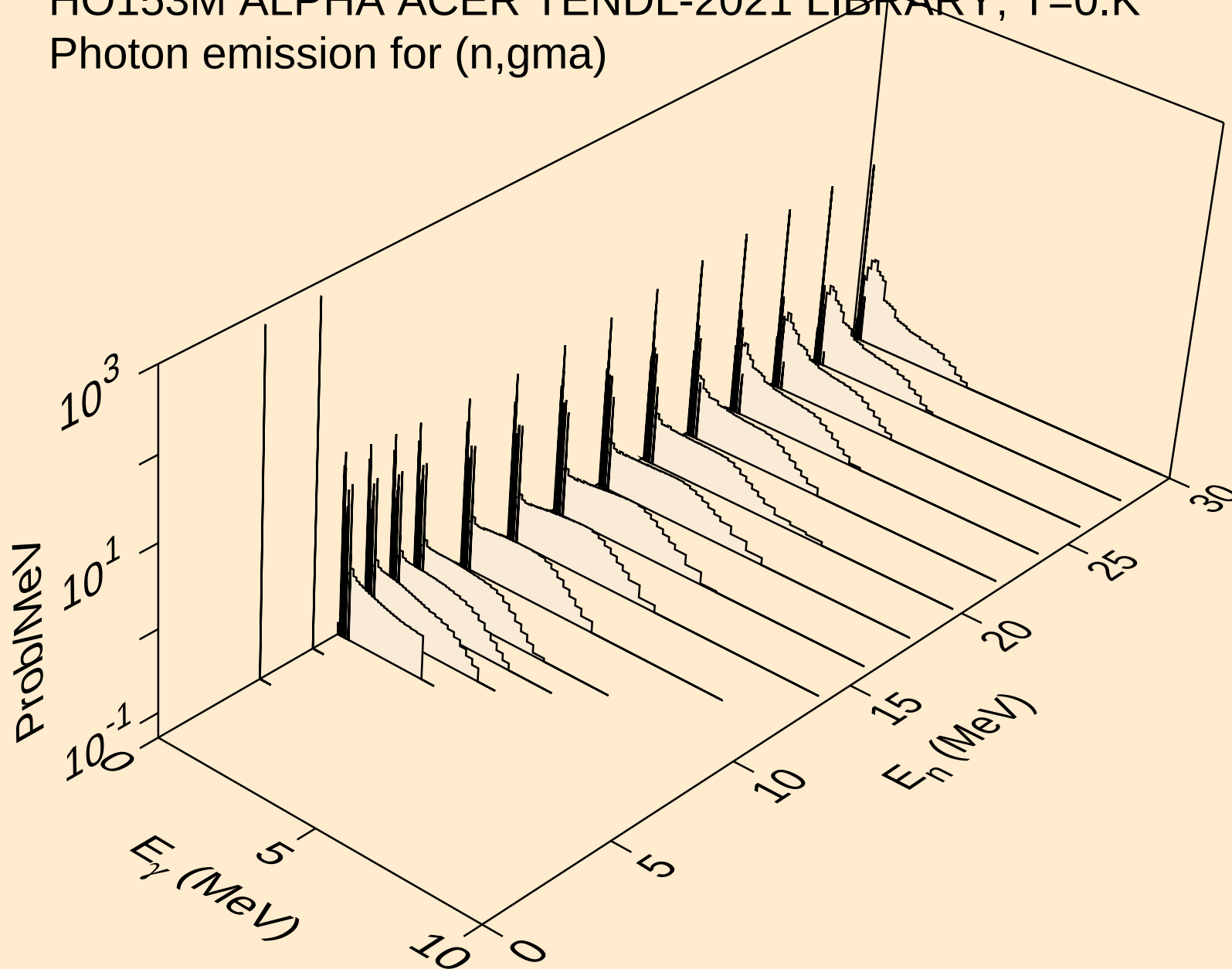
HO153M ALPHA ACER TENDL-2021 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)



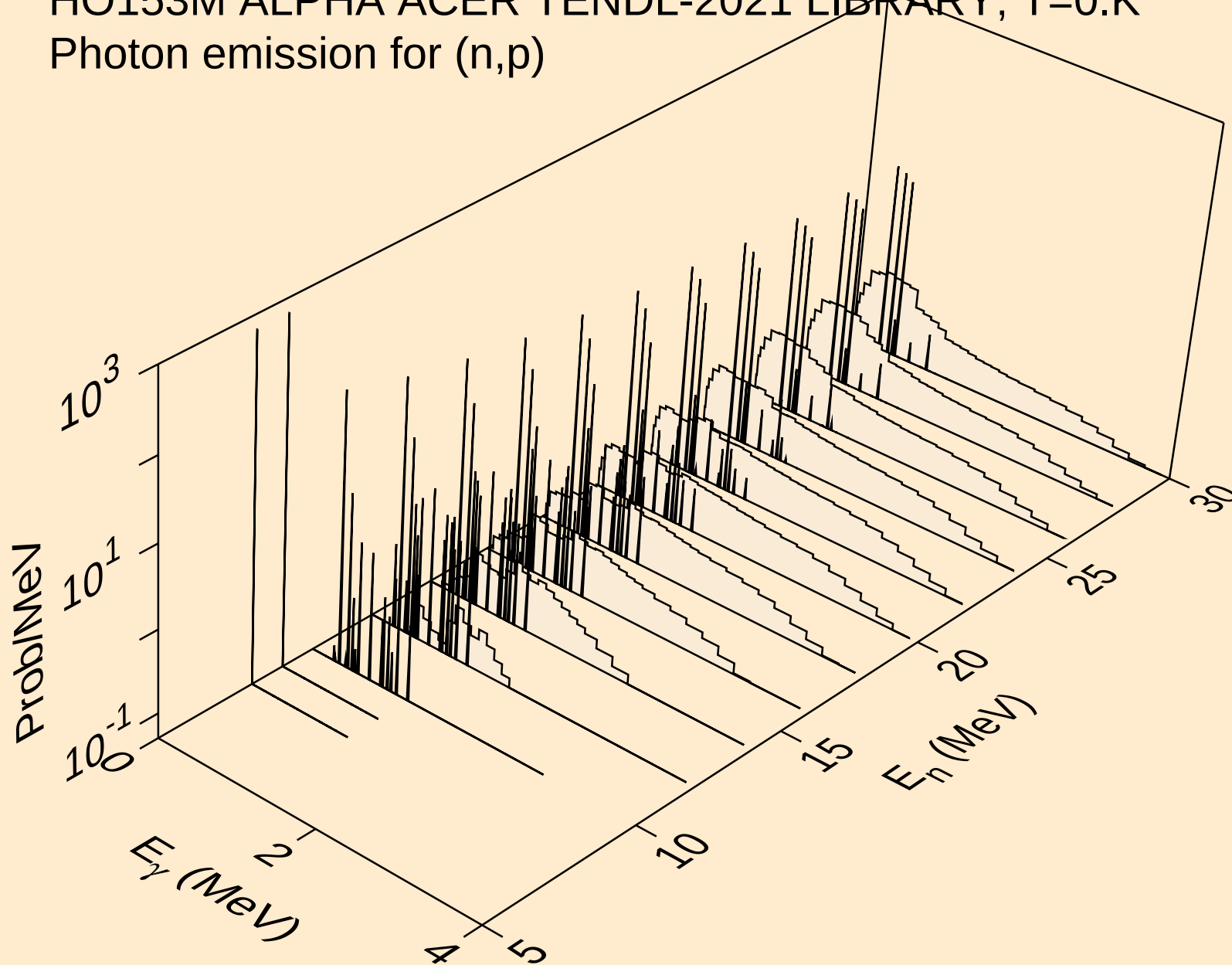
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Photon emission for (n,npa)



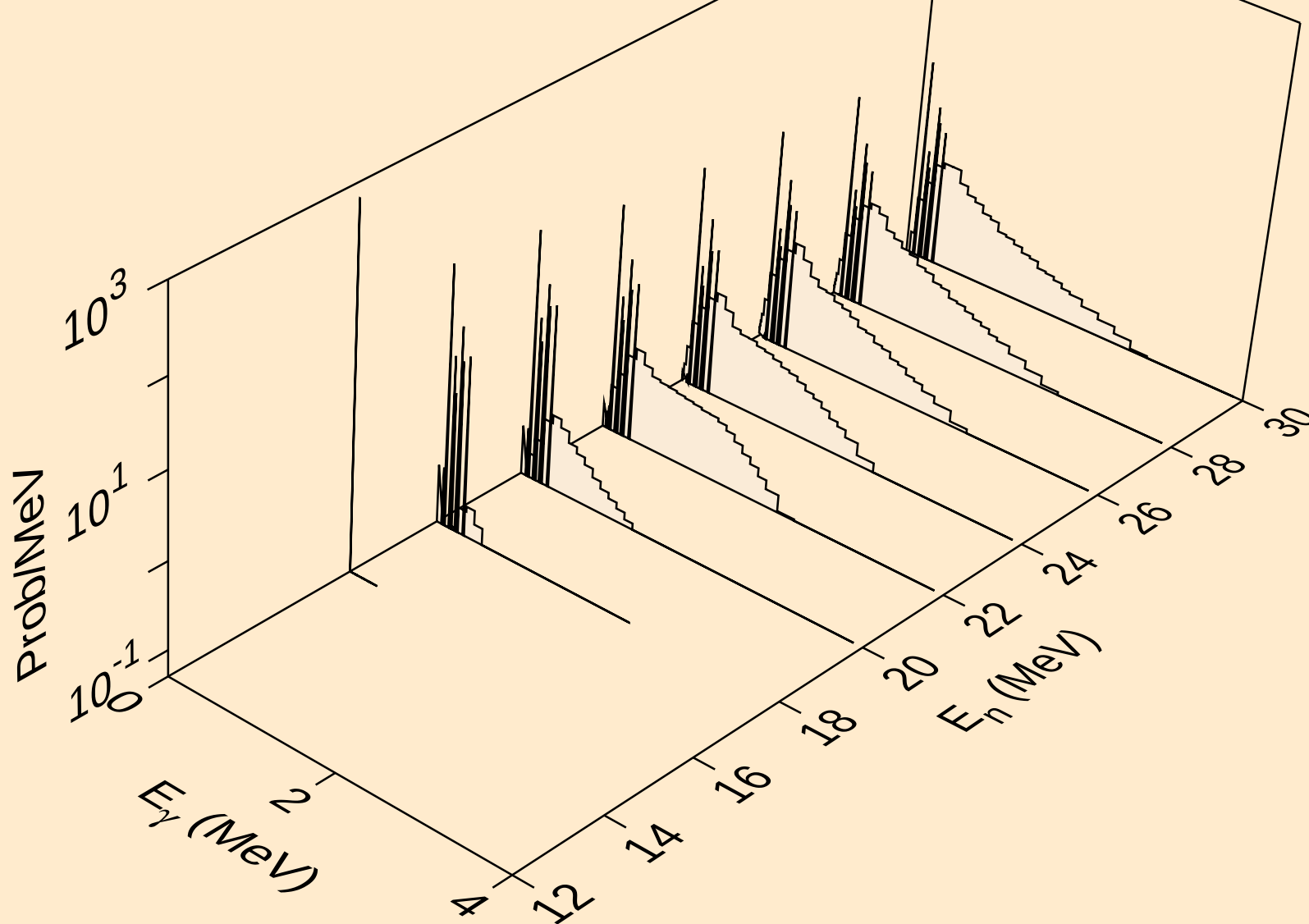
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



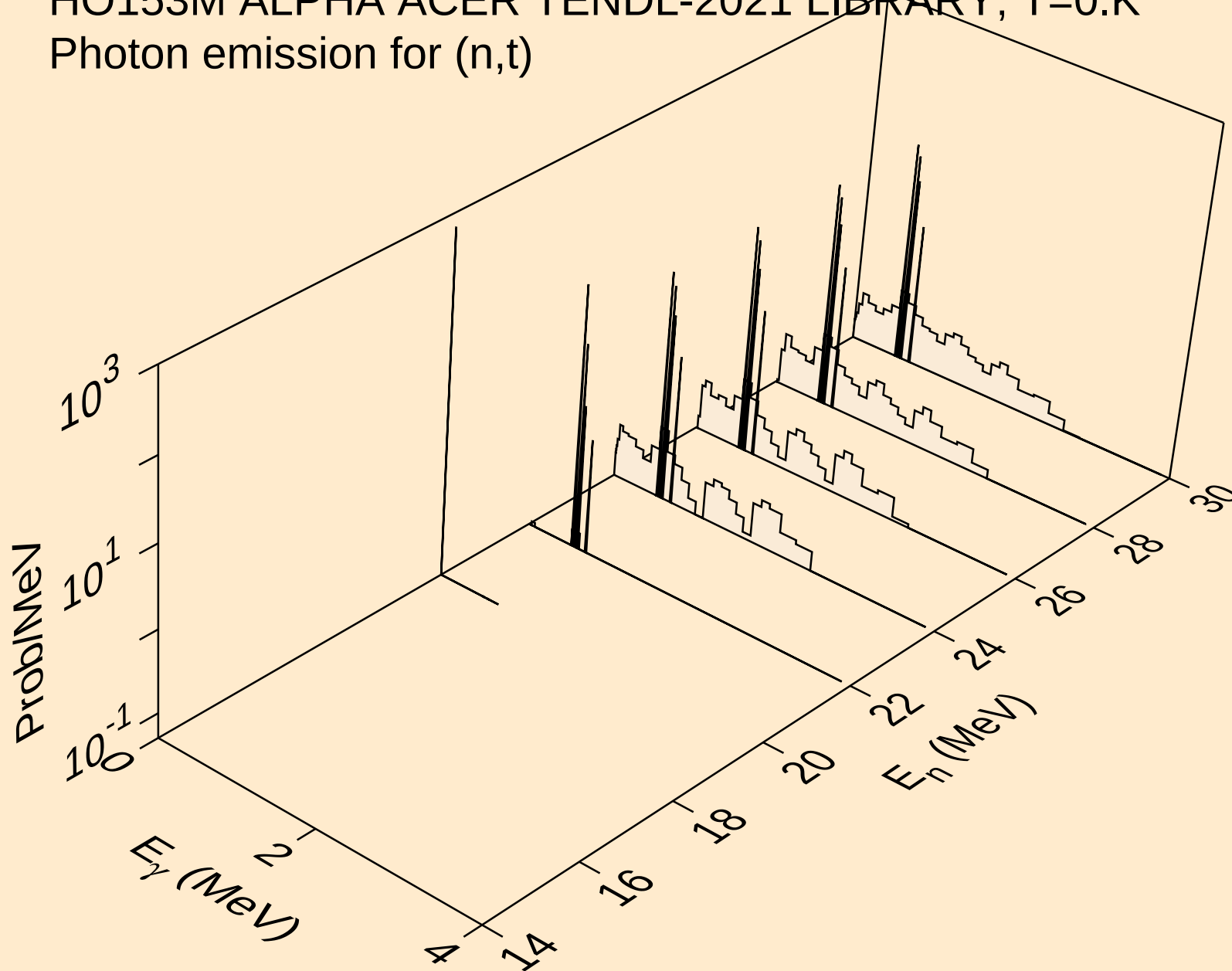
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



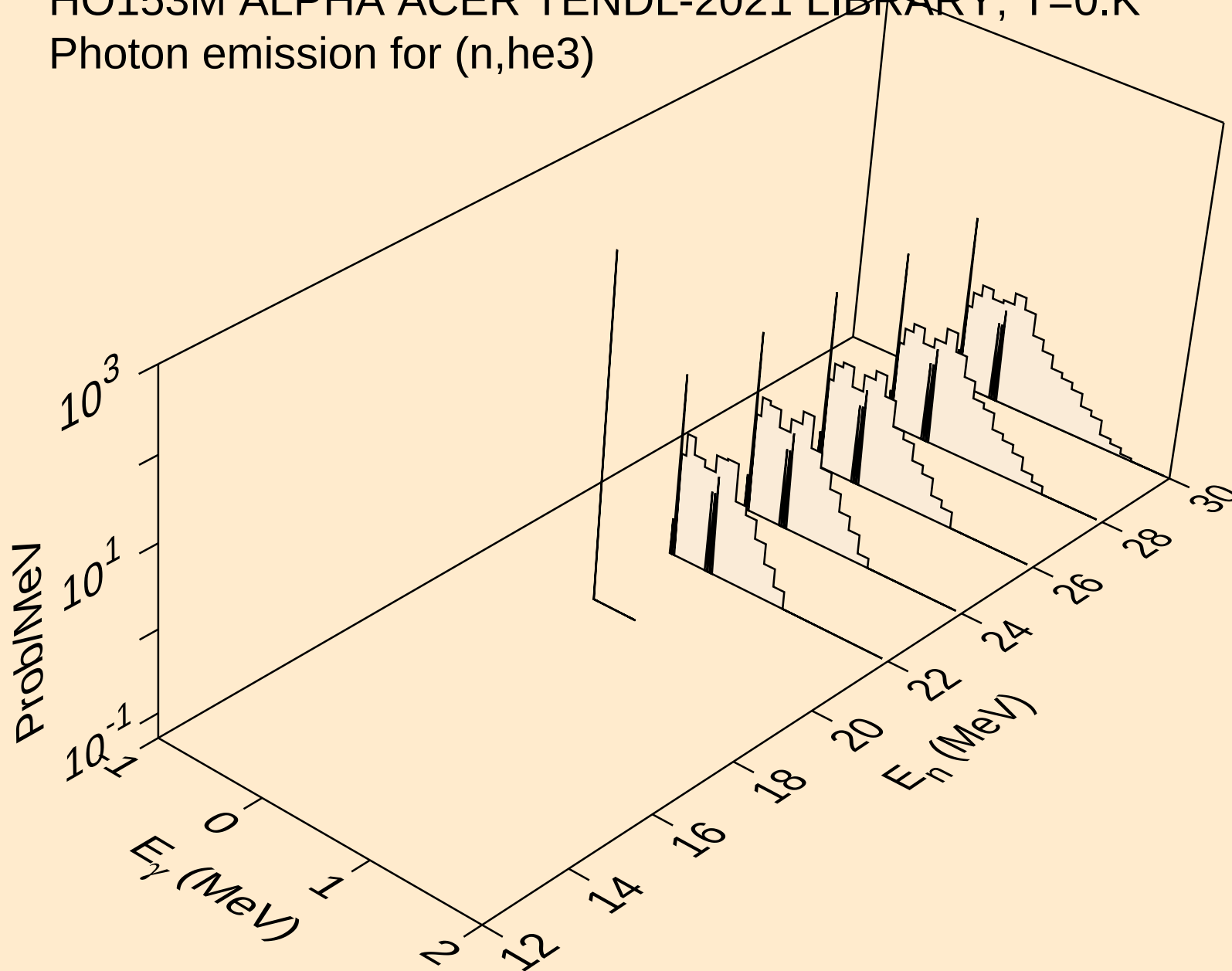
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Photon emission for (n,d)



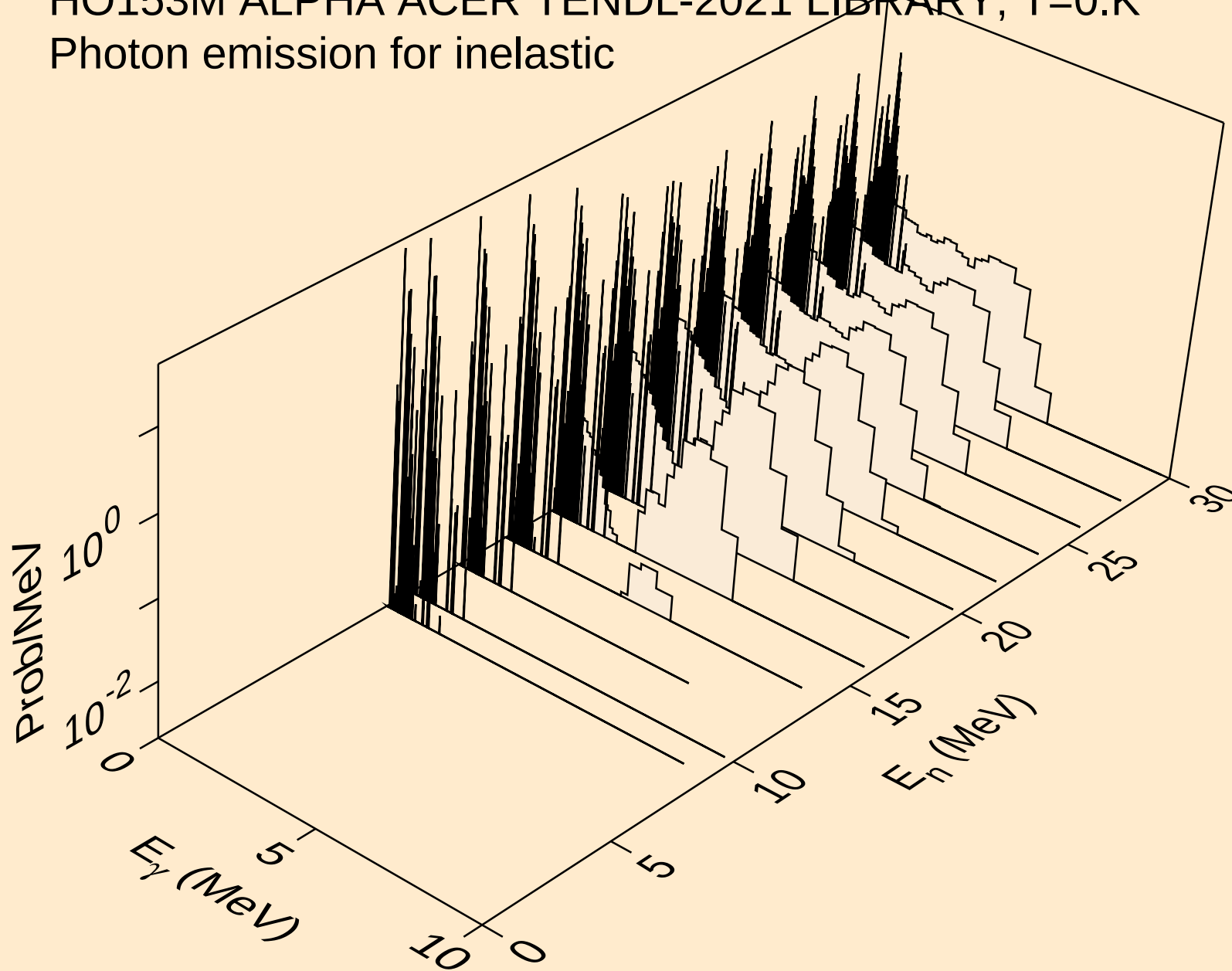
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Photon emission for (n,t)



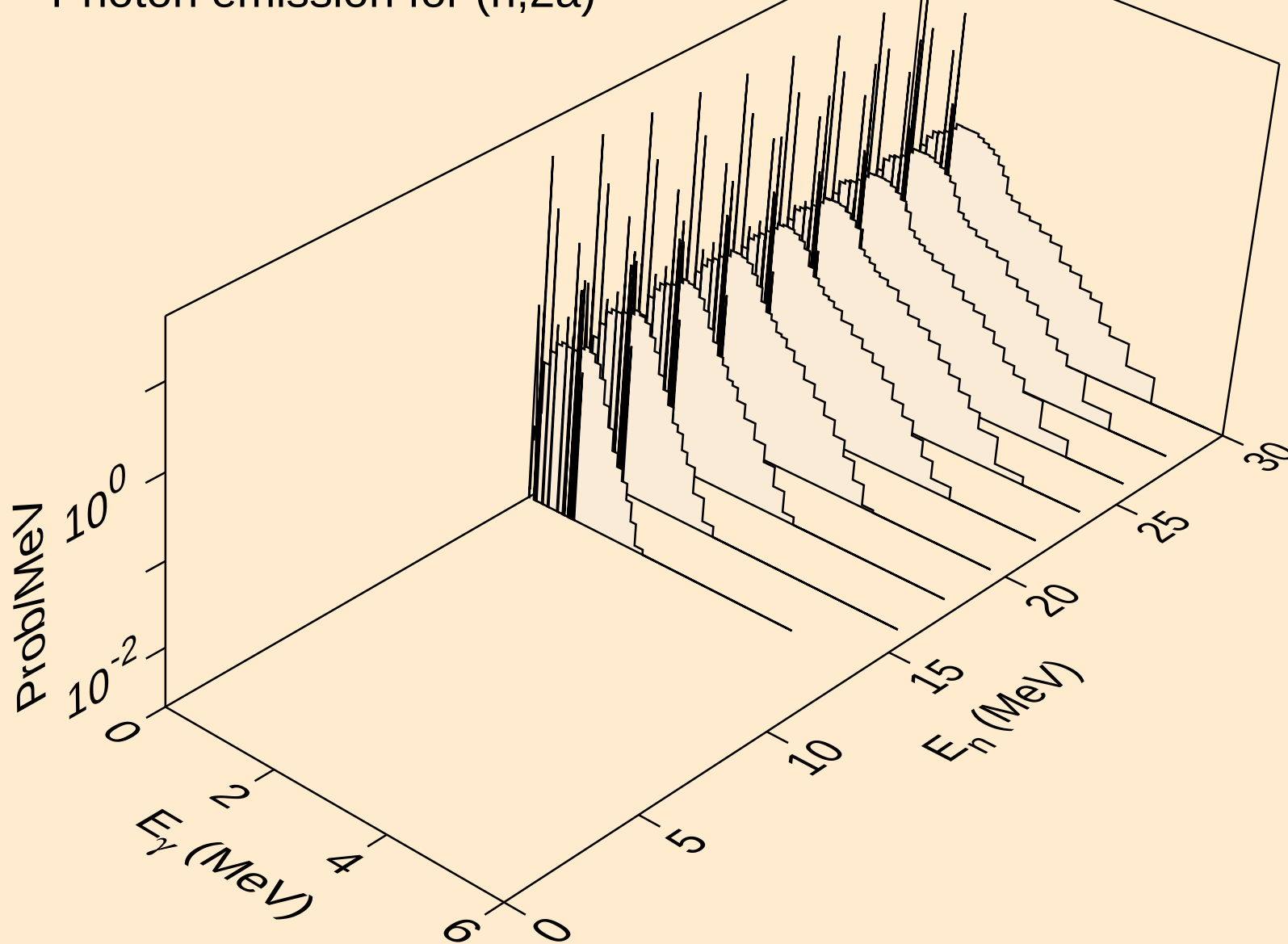
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Photon emission for (n,he3)



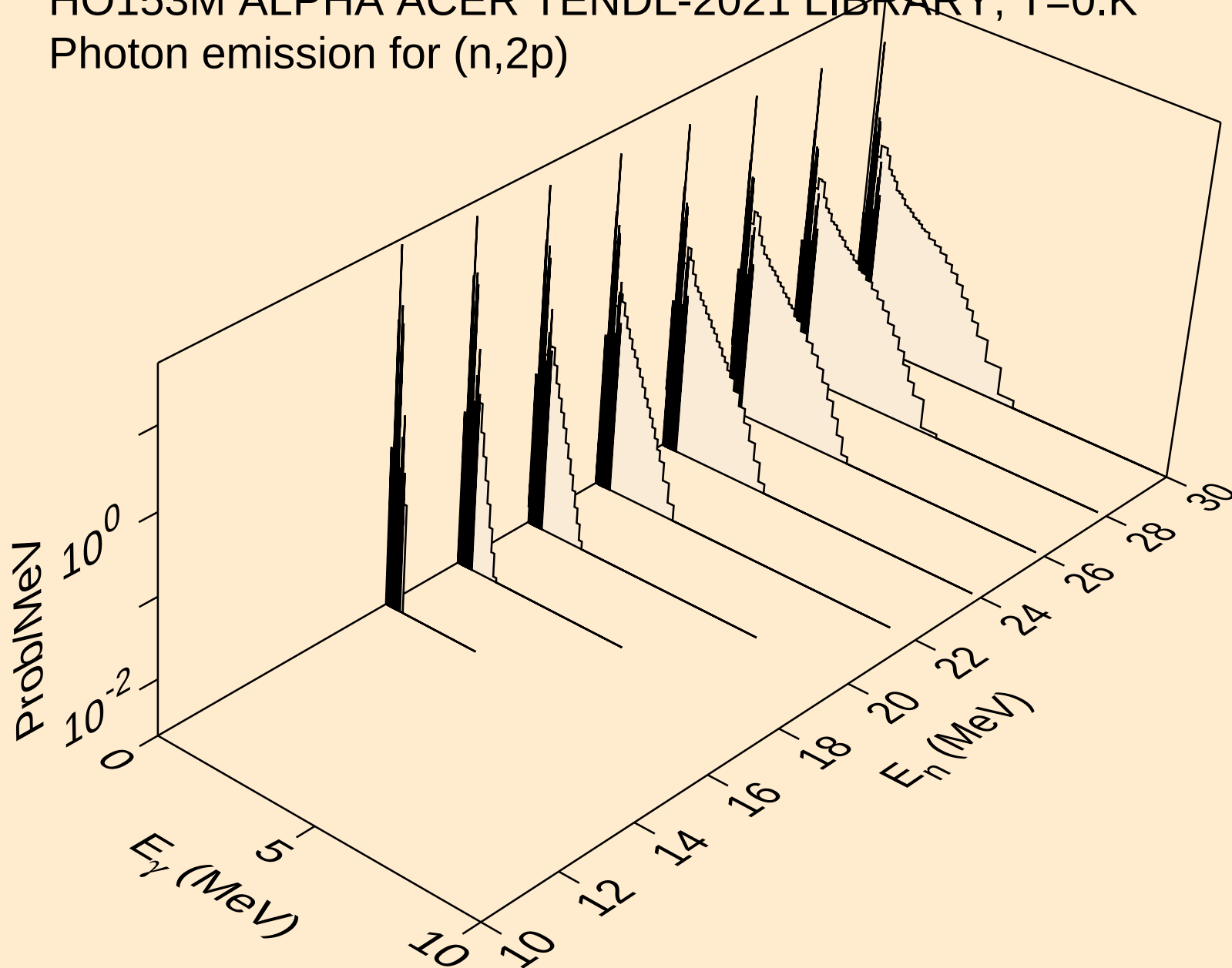
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



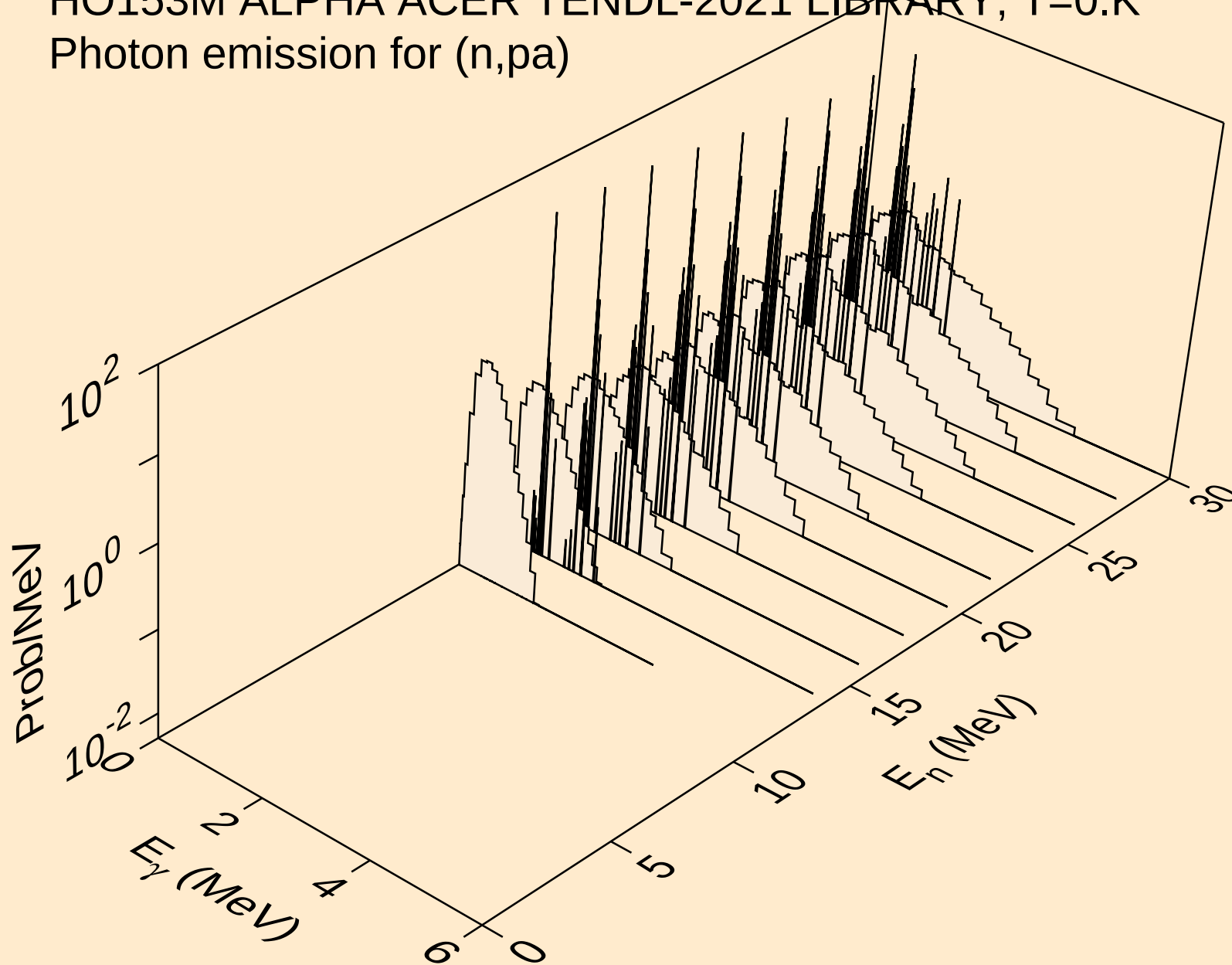
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



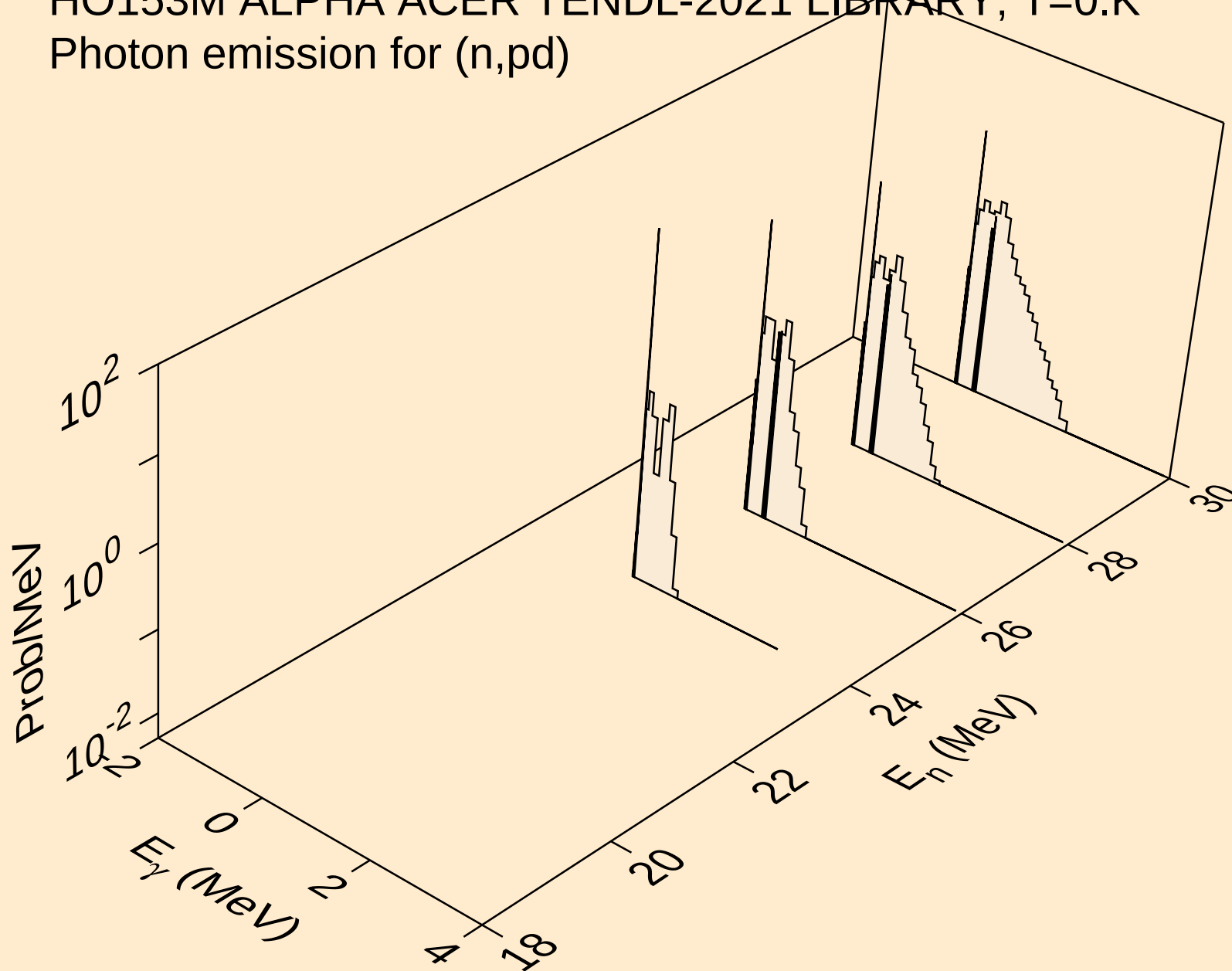
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



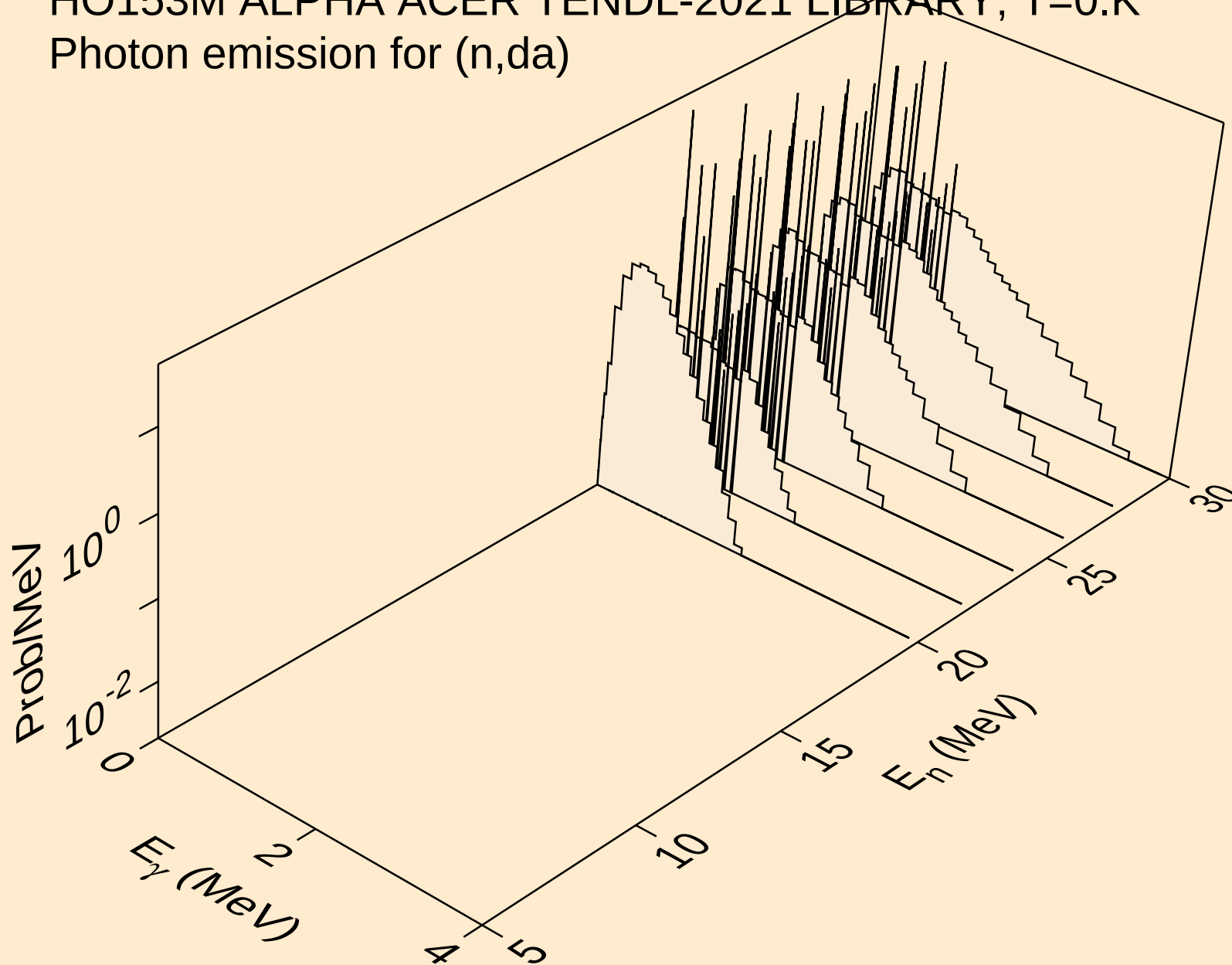
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

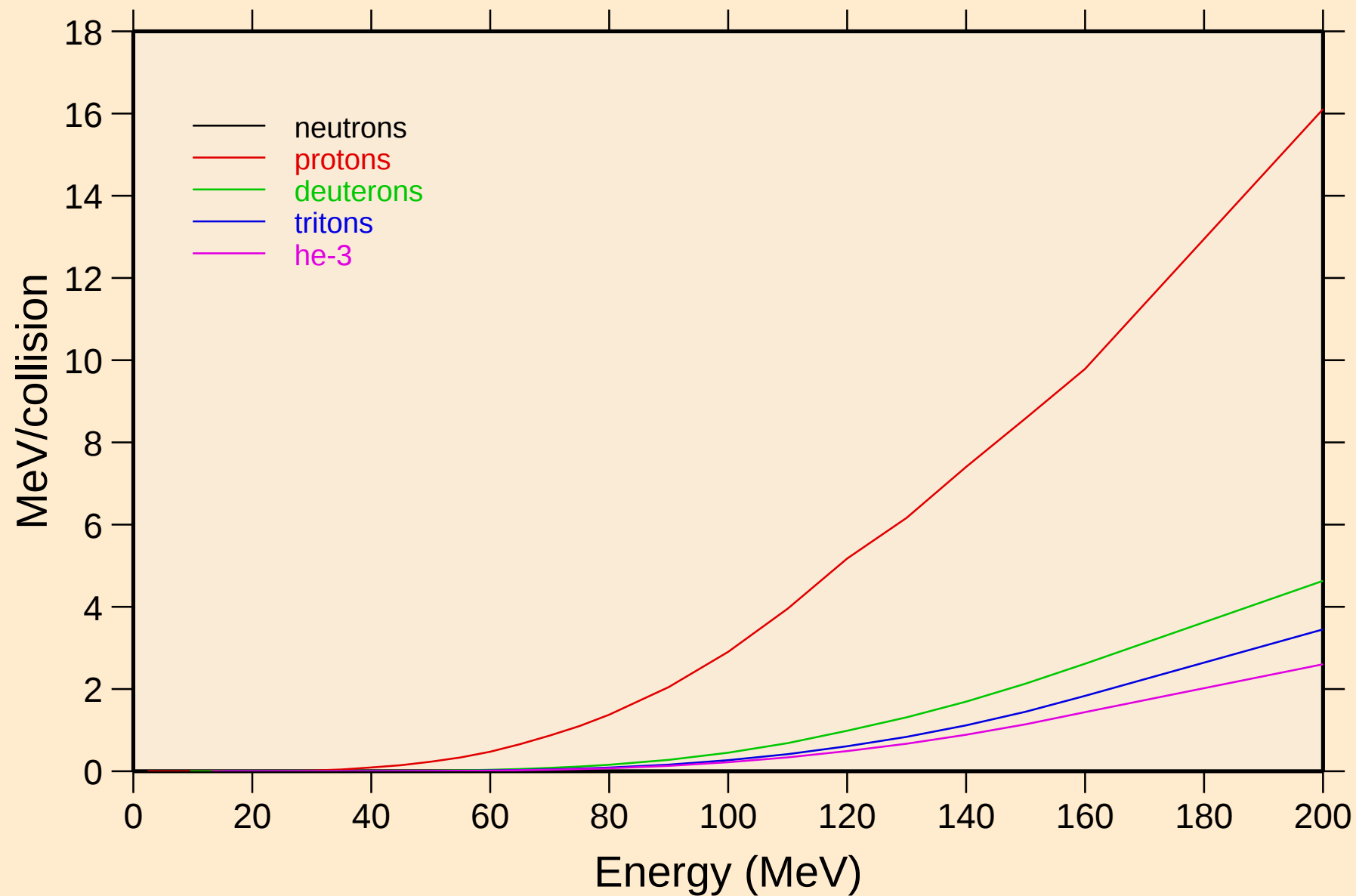


HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



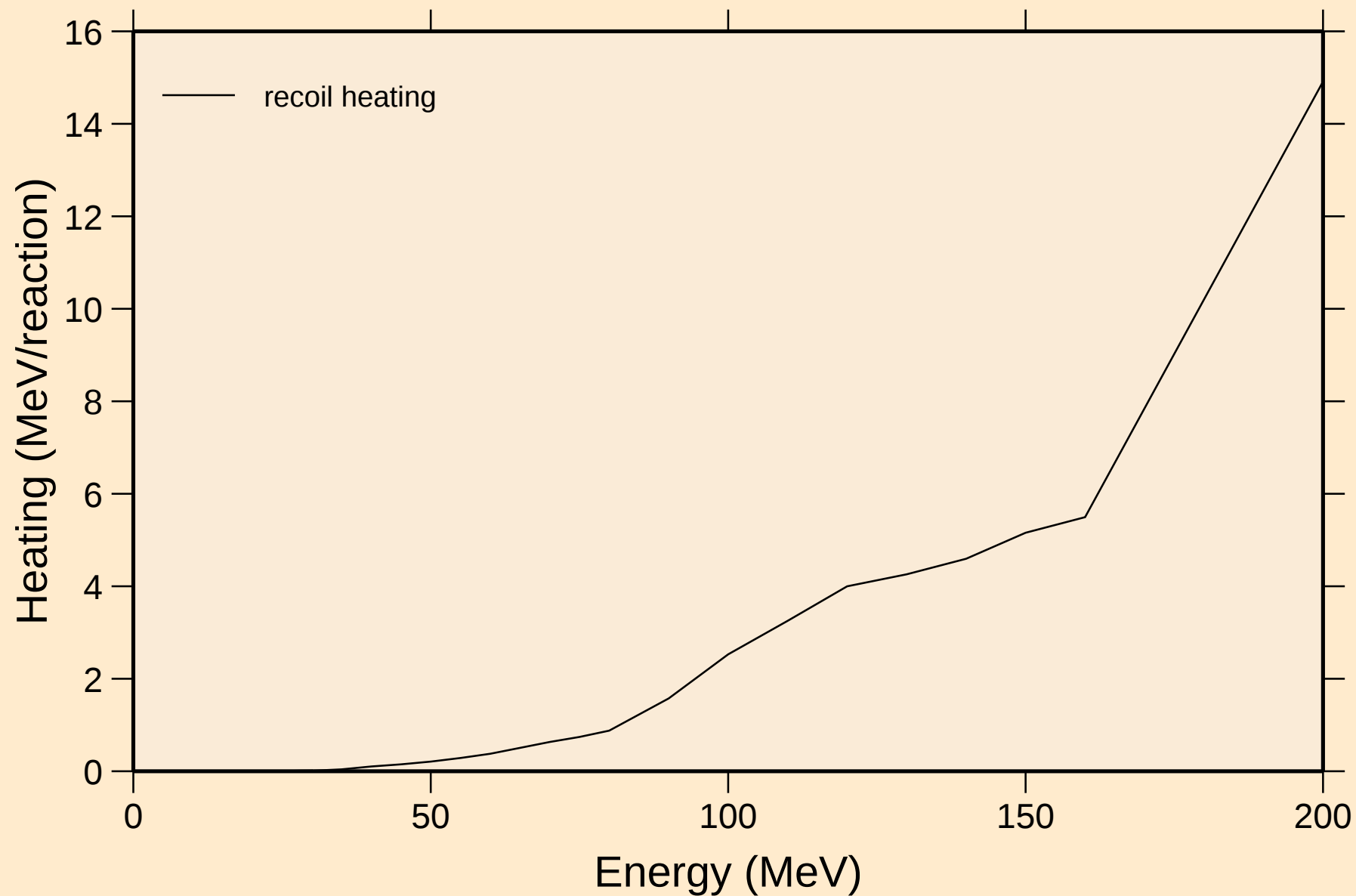
# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



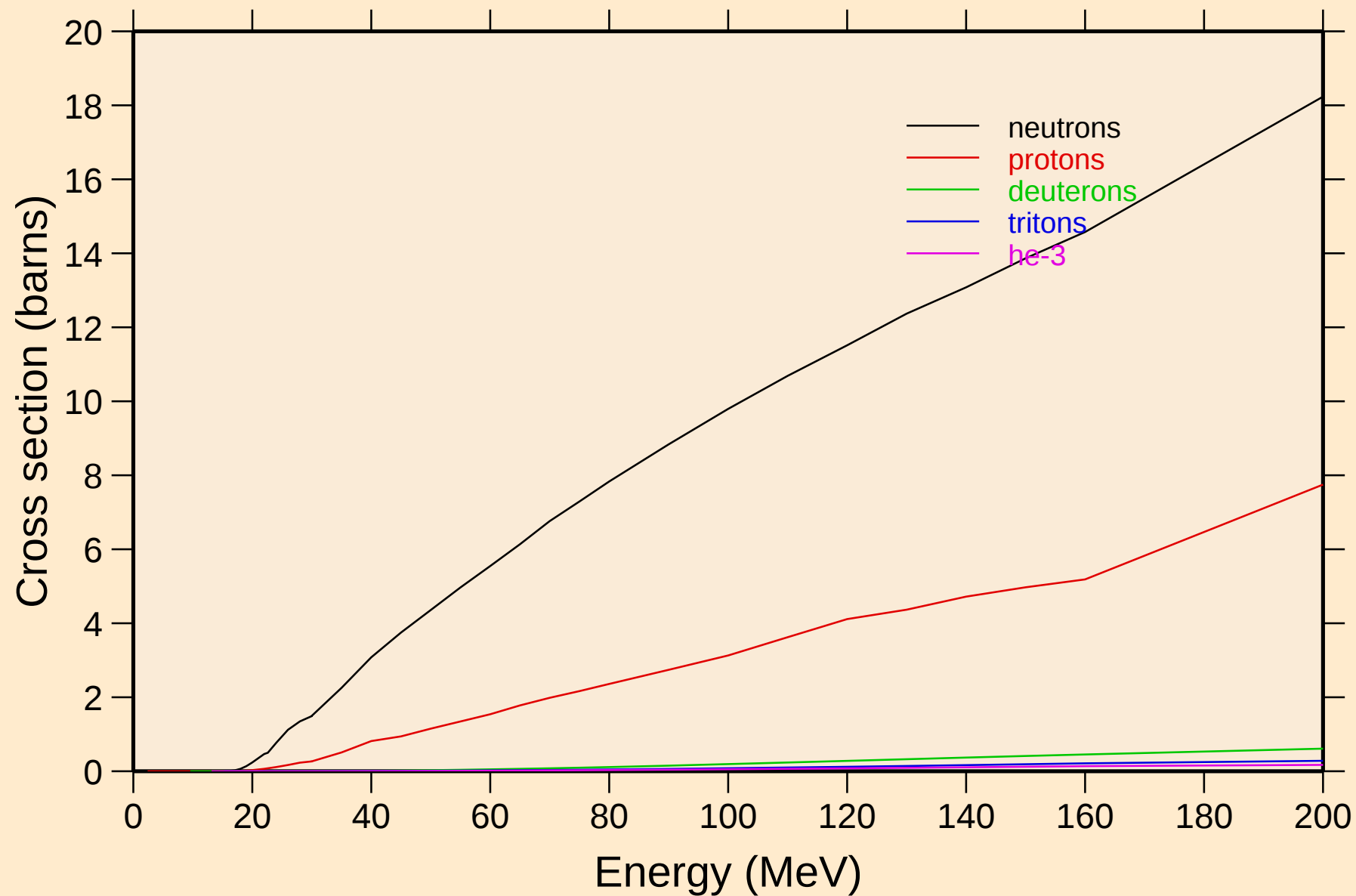
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

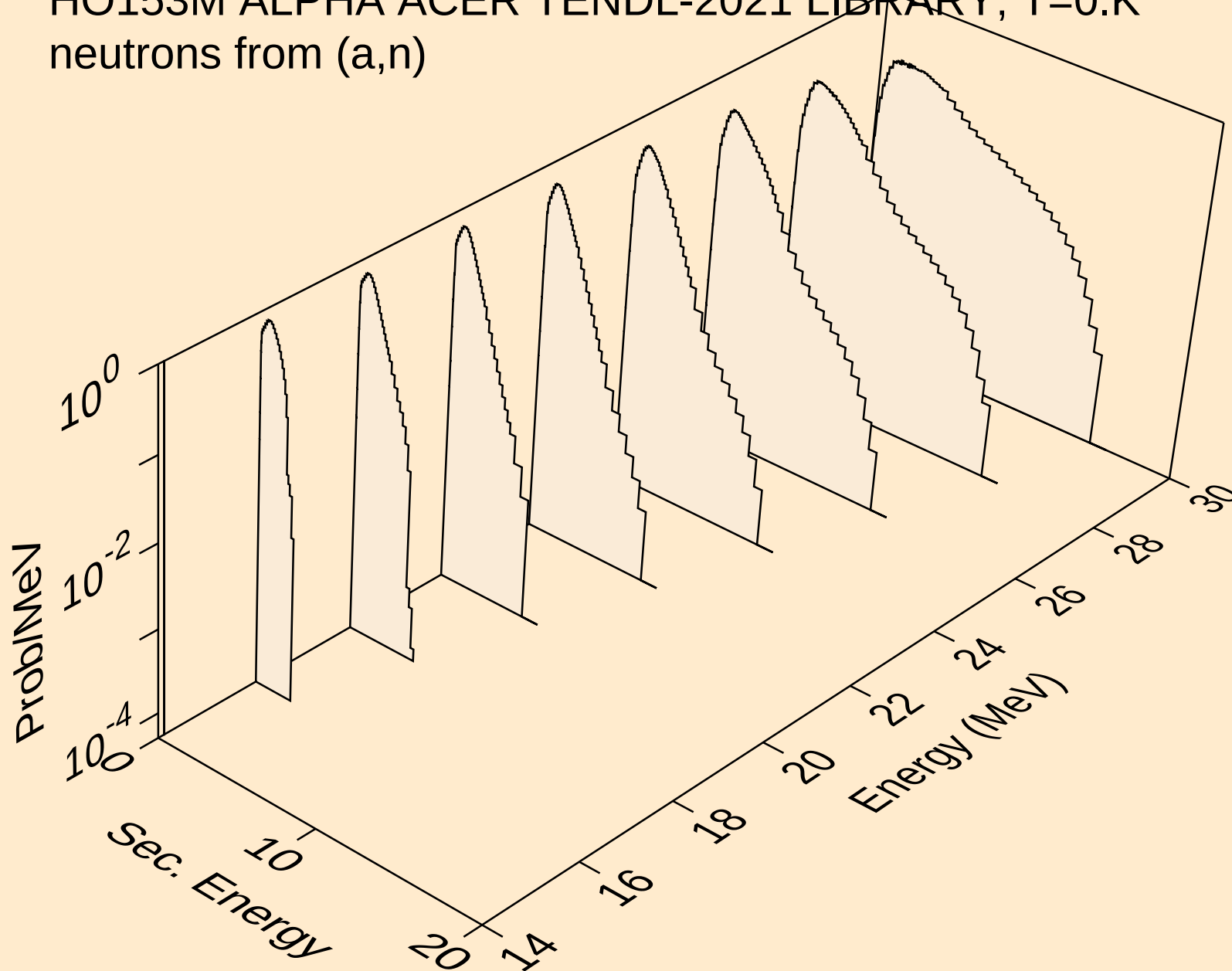


# HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

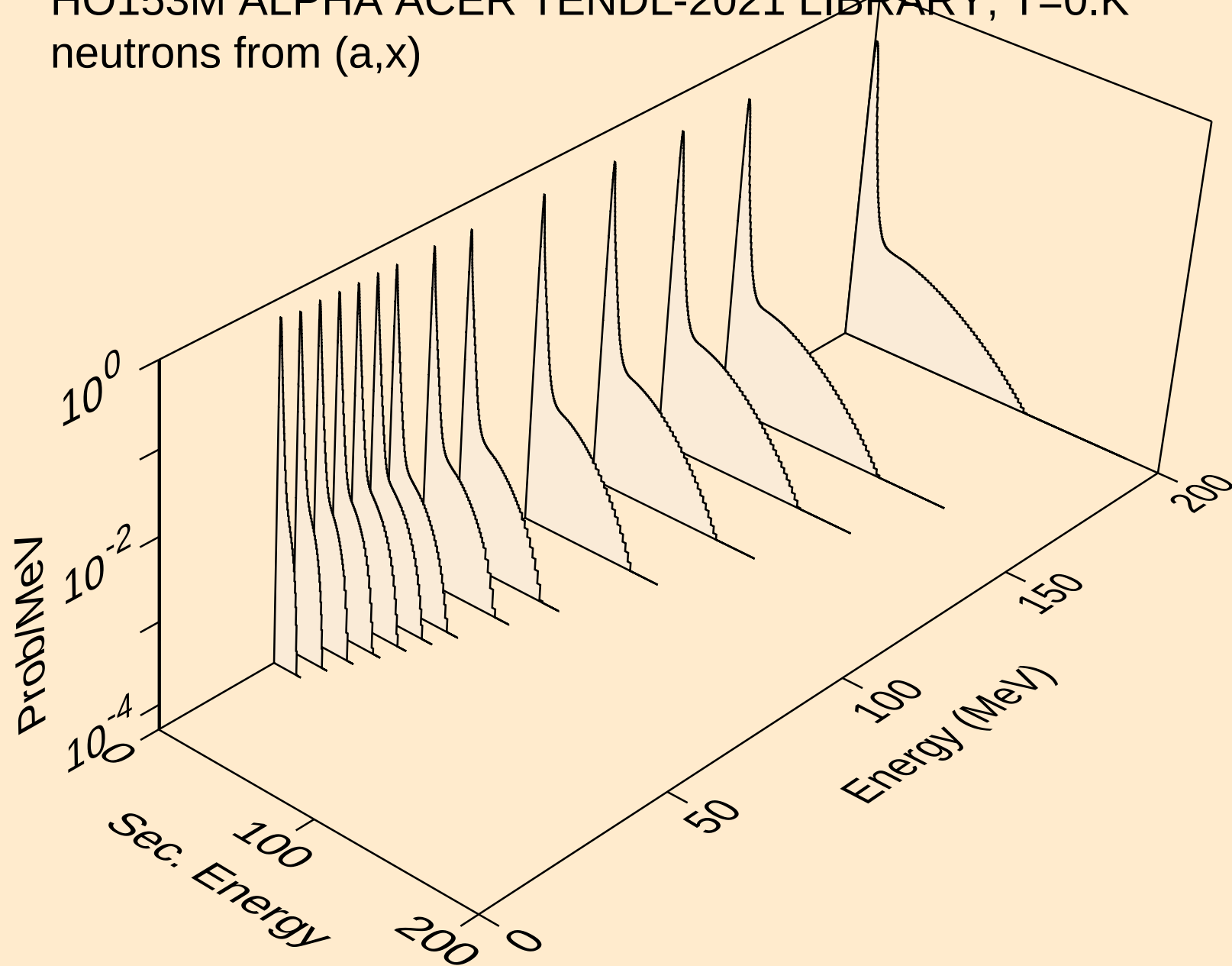
## Particle production cross sections



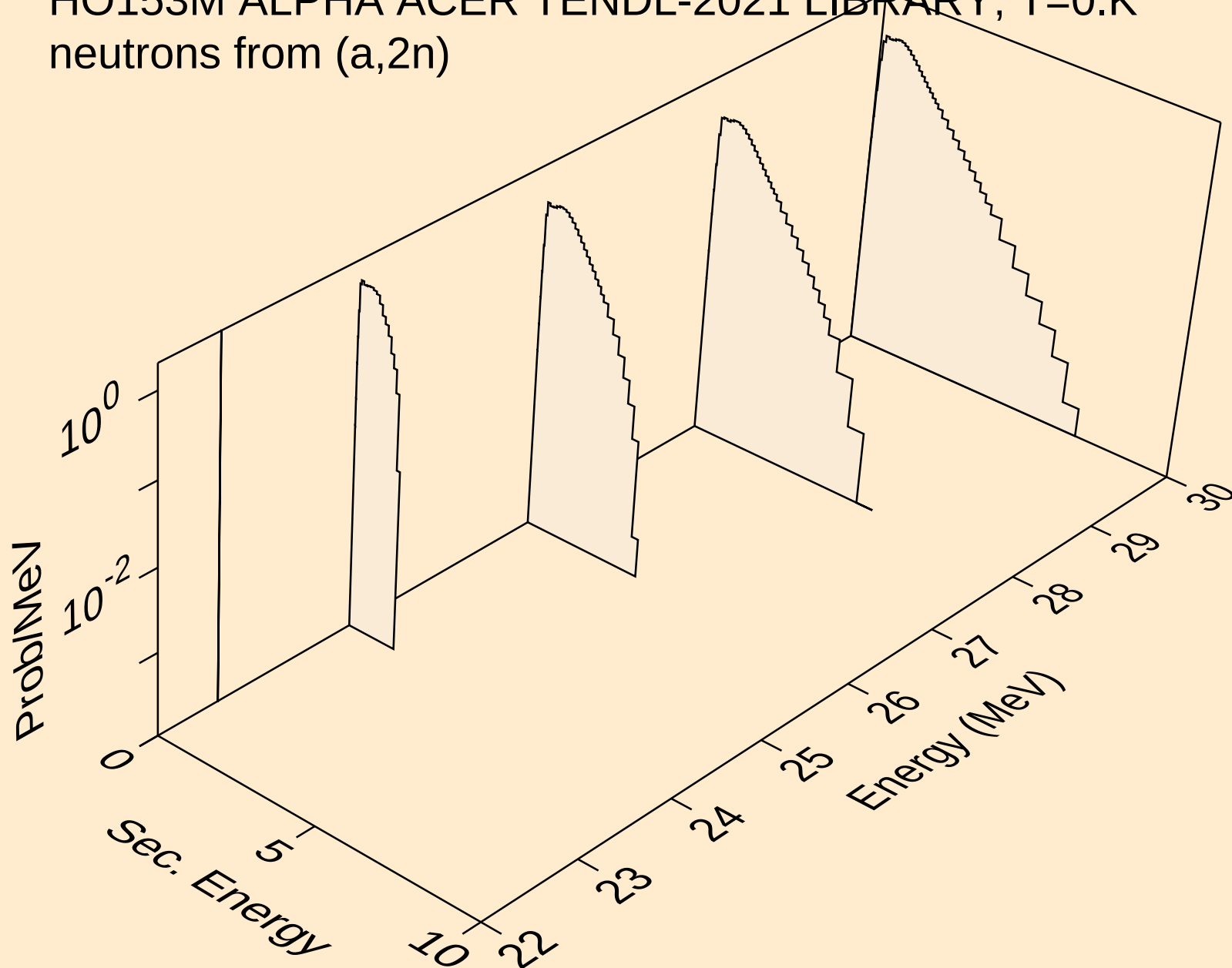
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



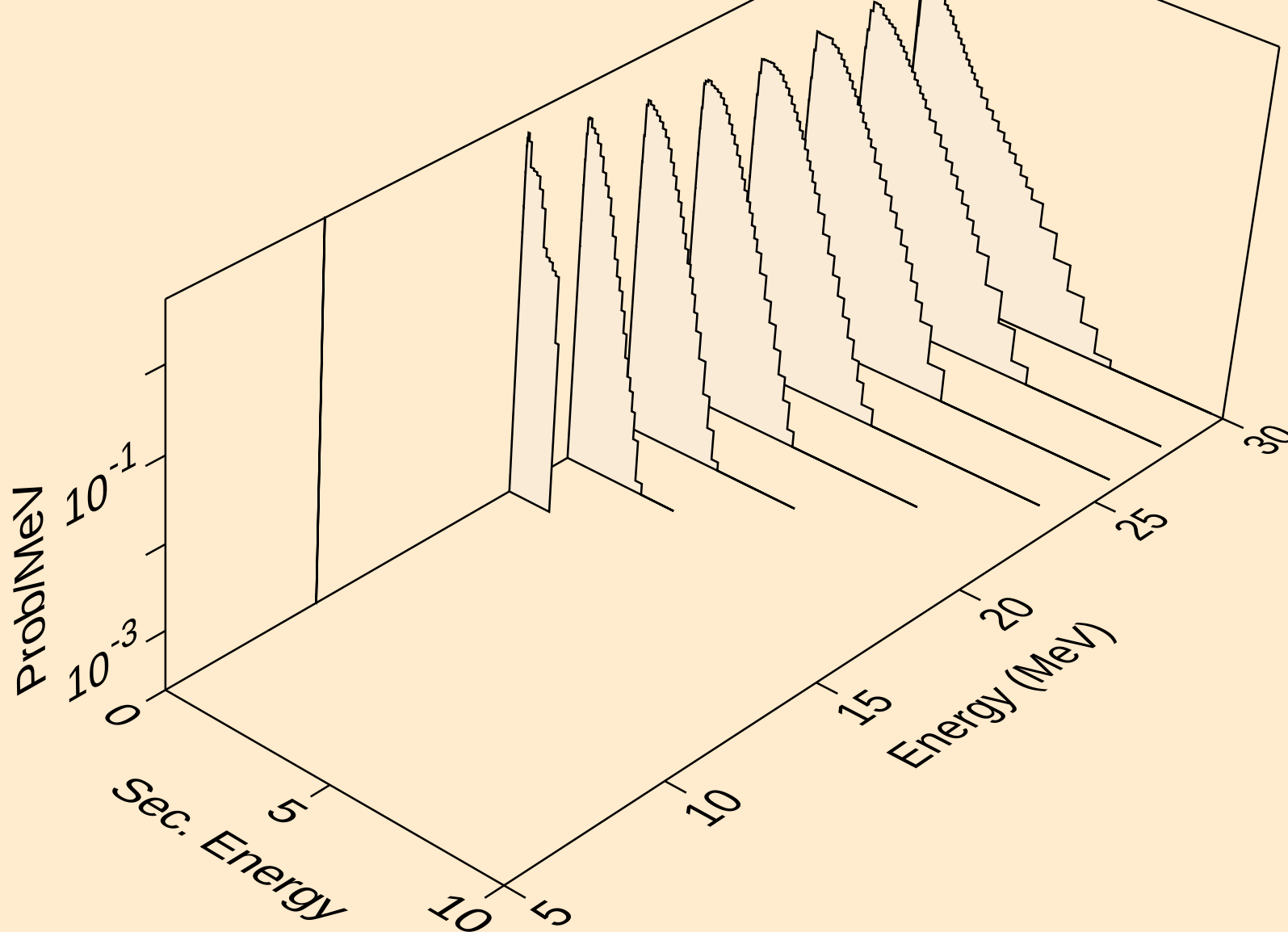
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



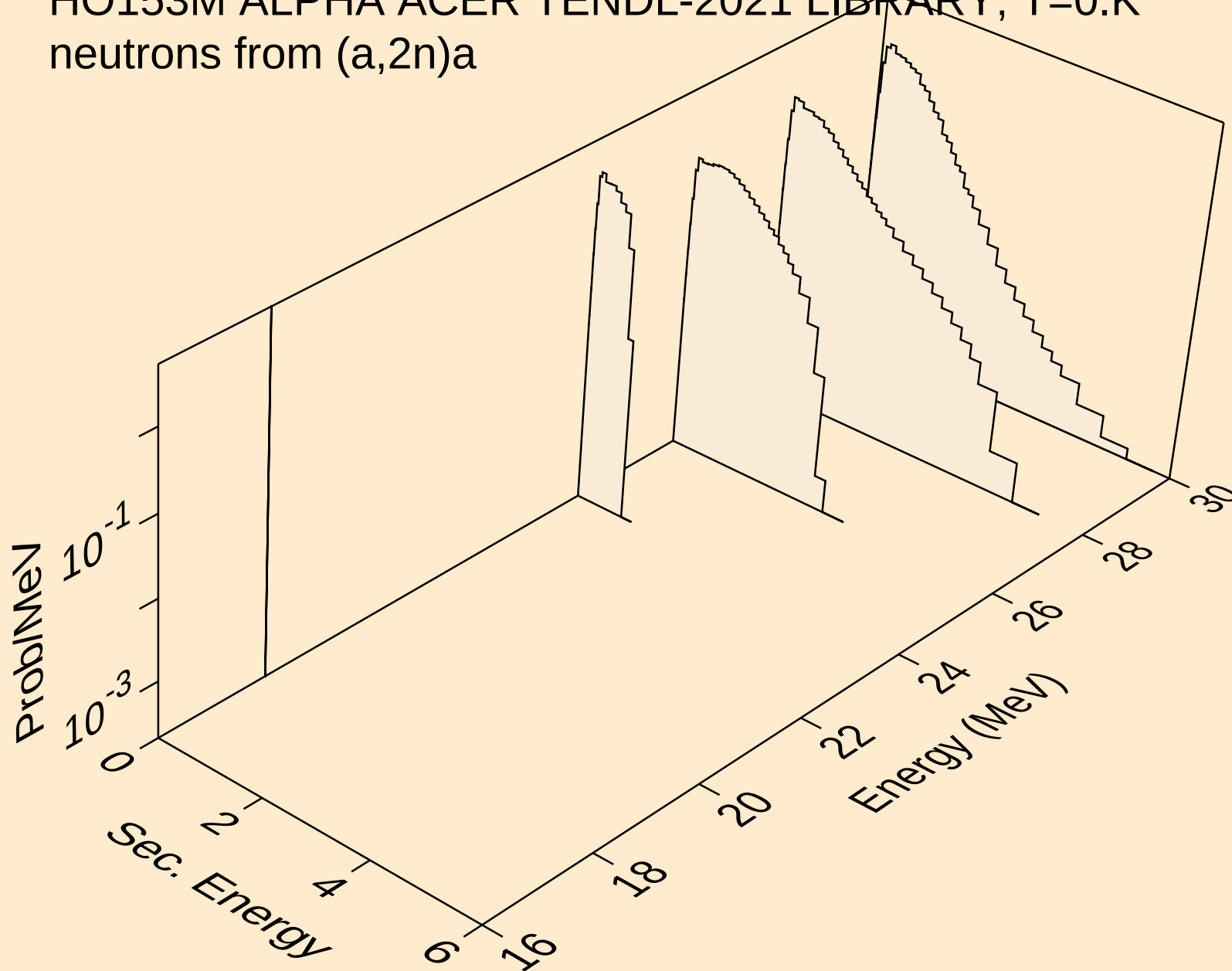
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



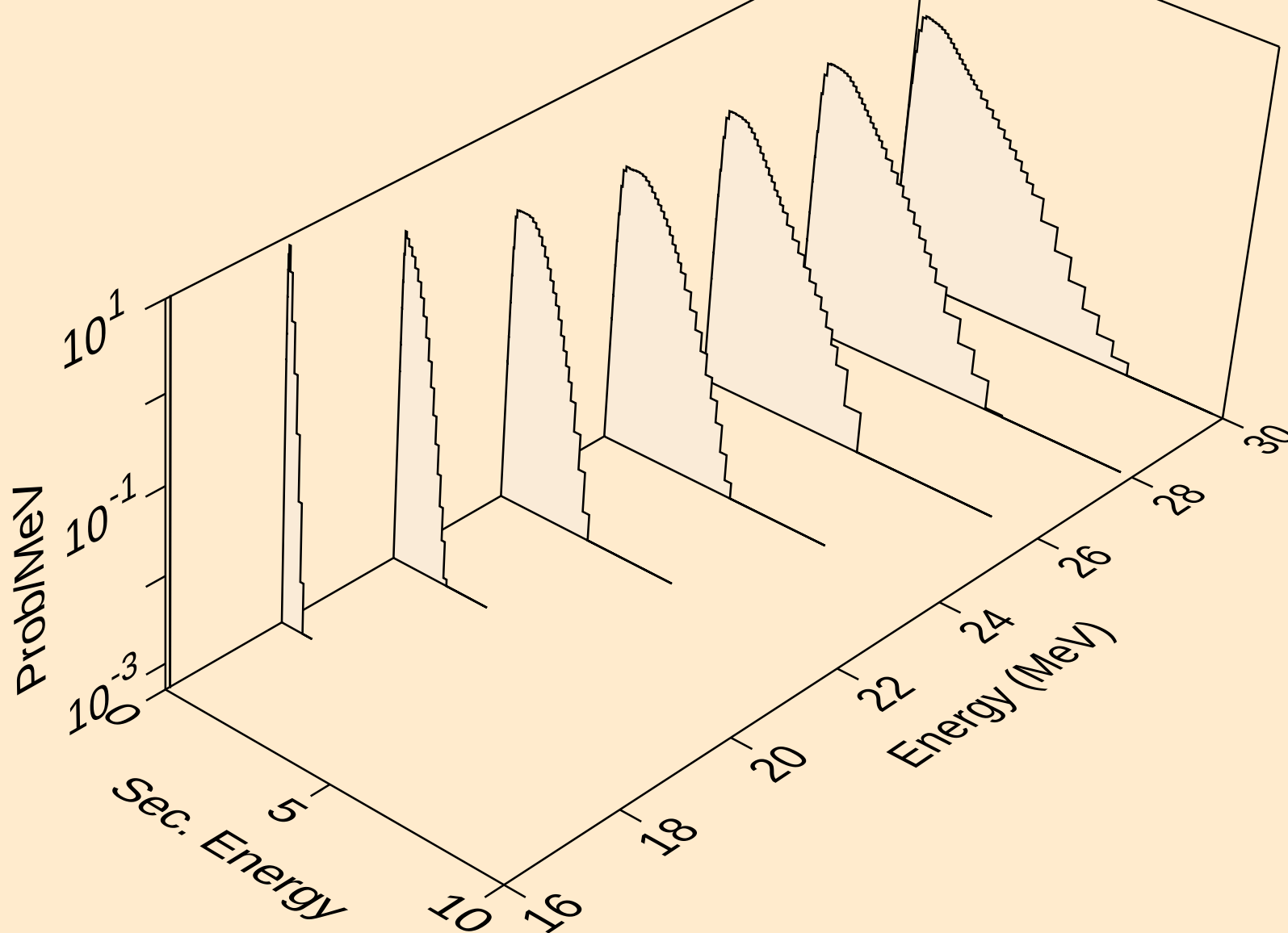
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



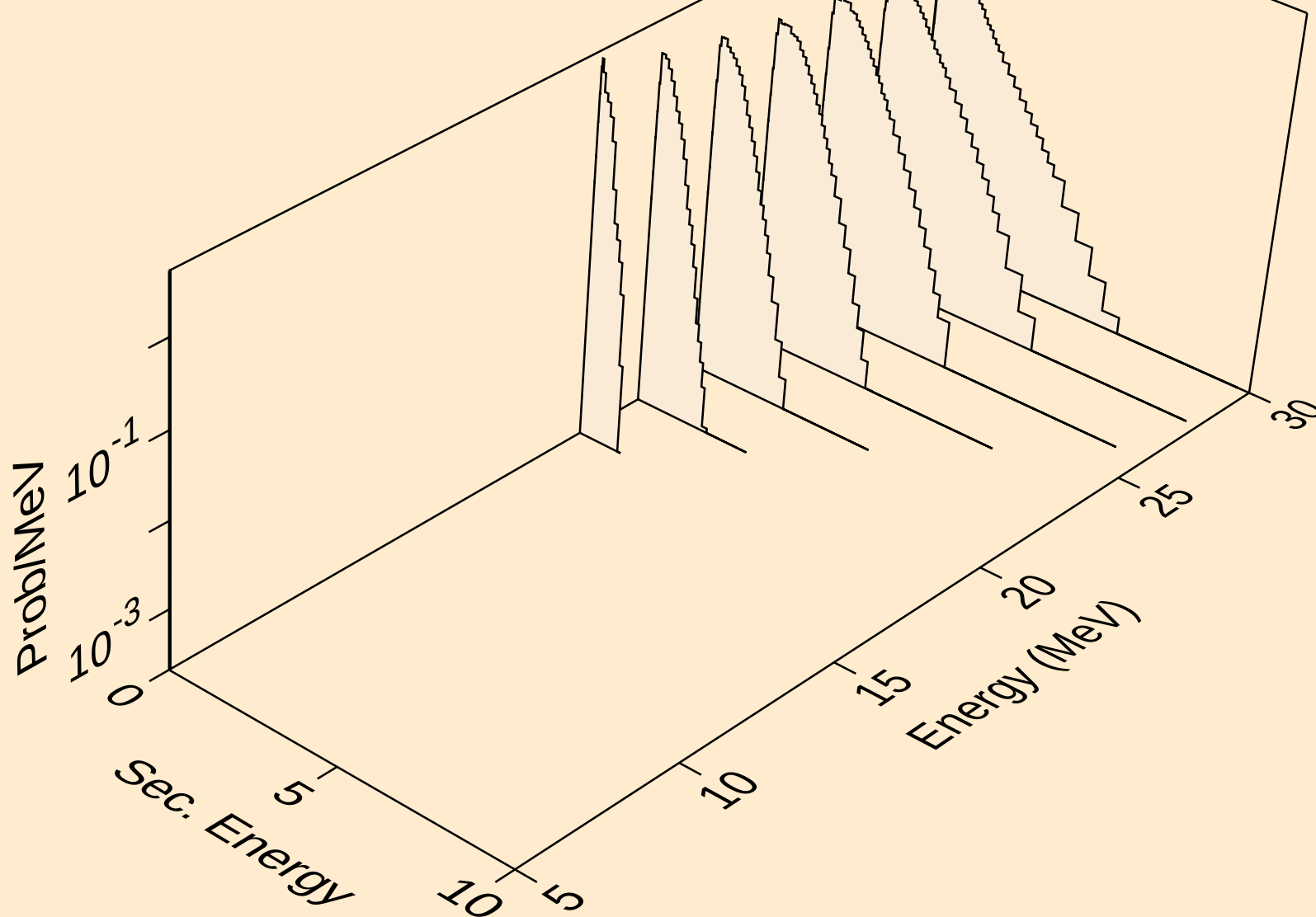
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)a



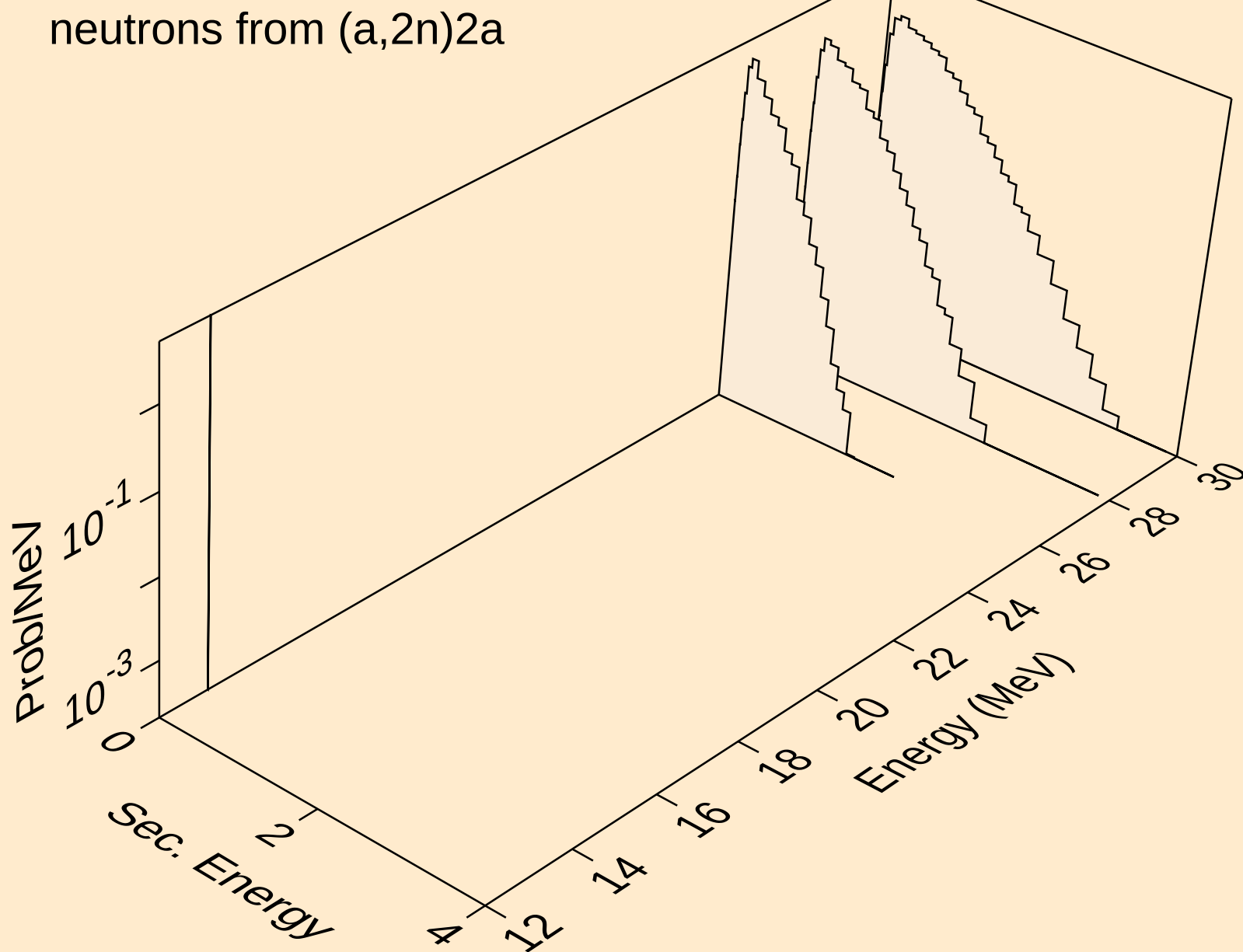
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p



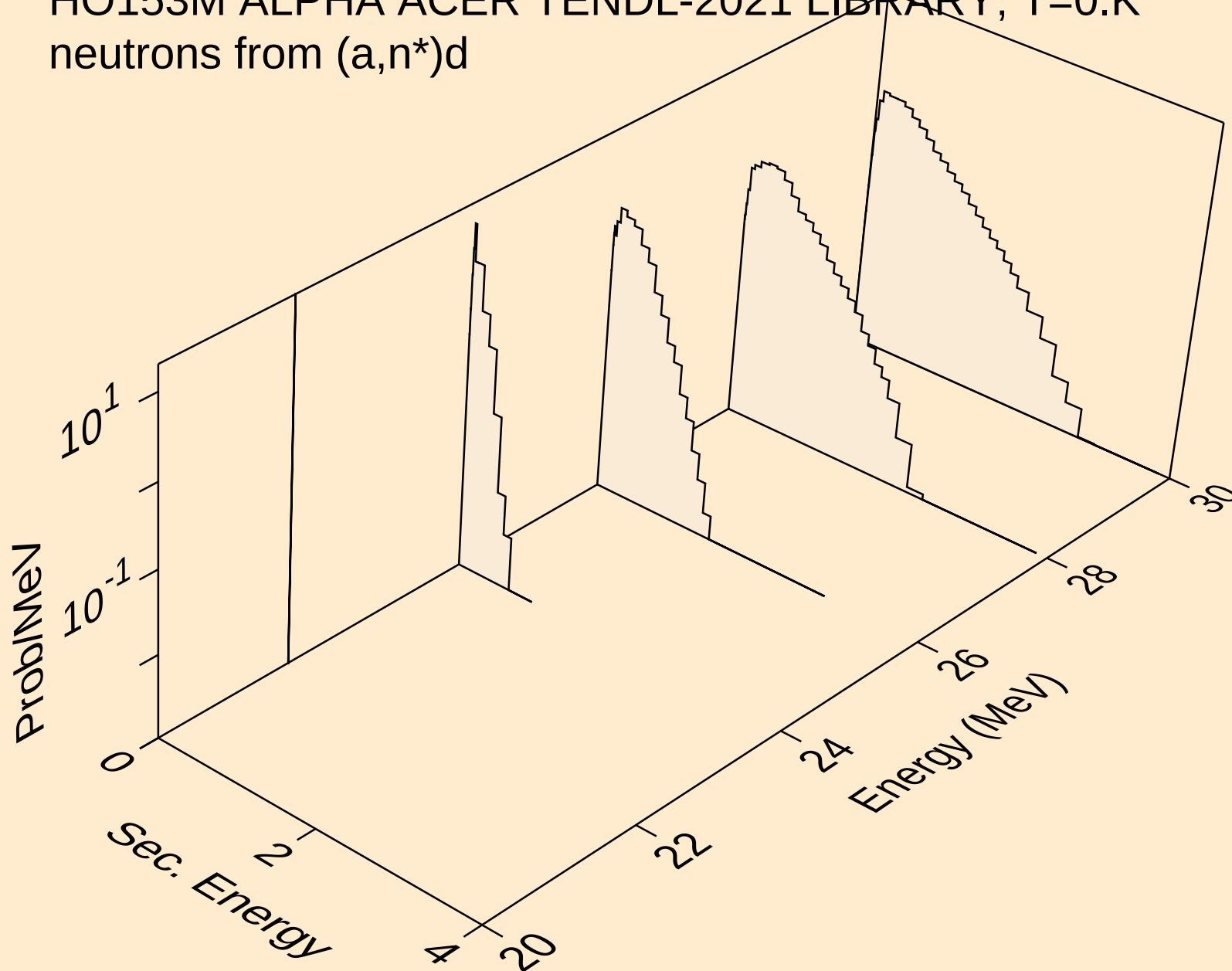
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neutrons from (a,n\*)2a



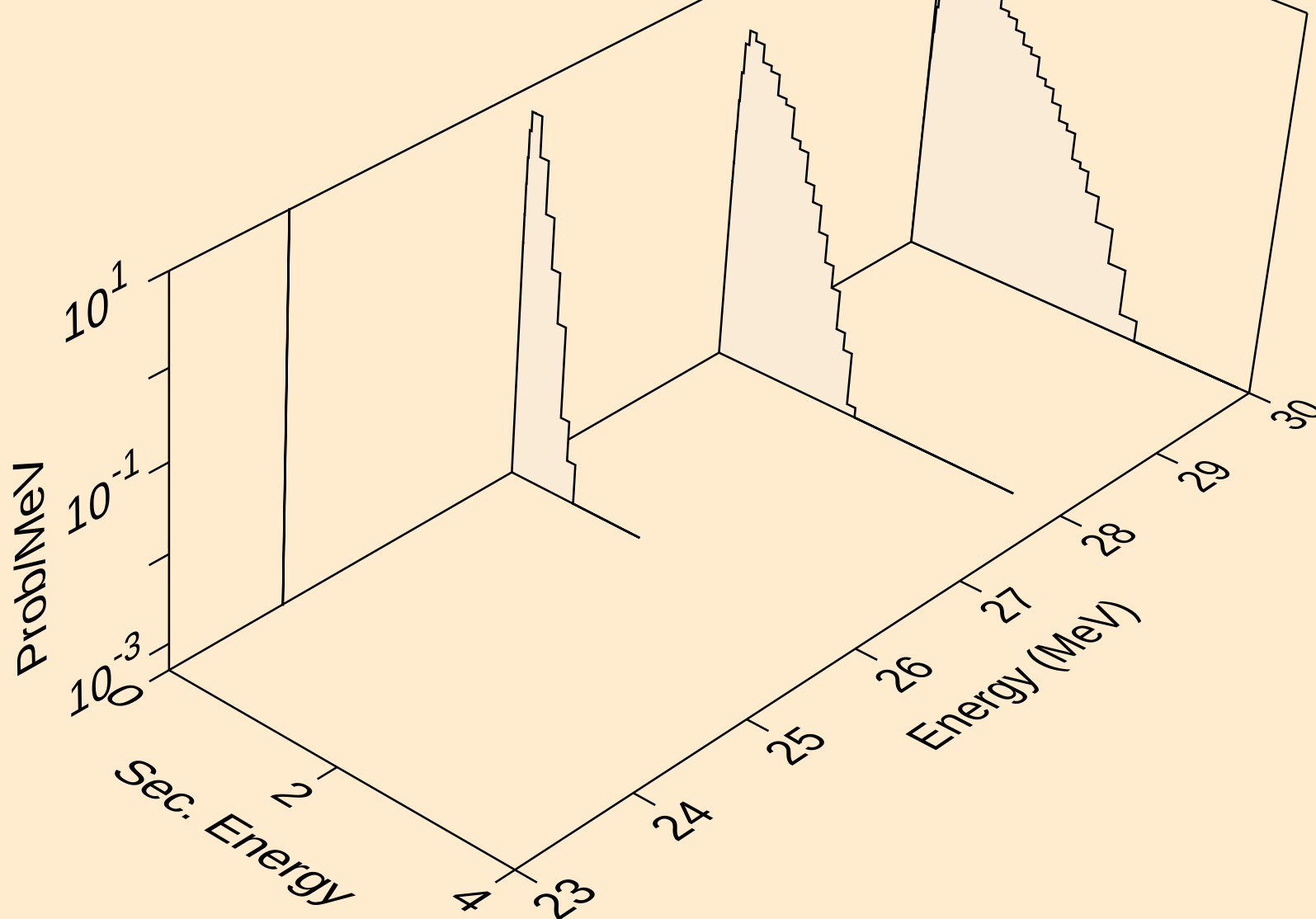
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neutrons from (a,2n)2a



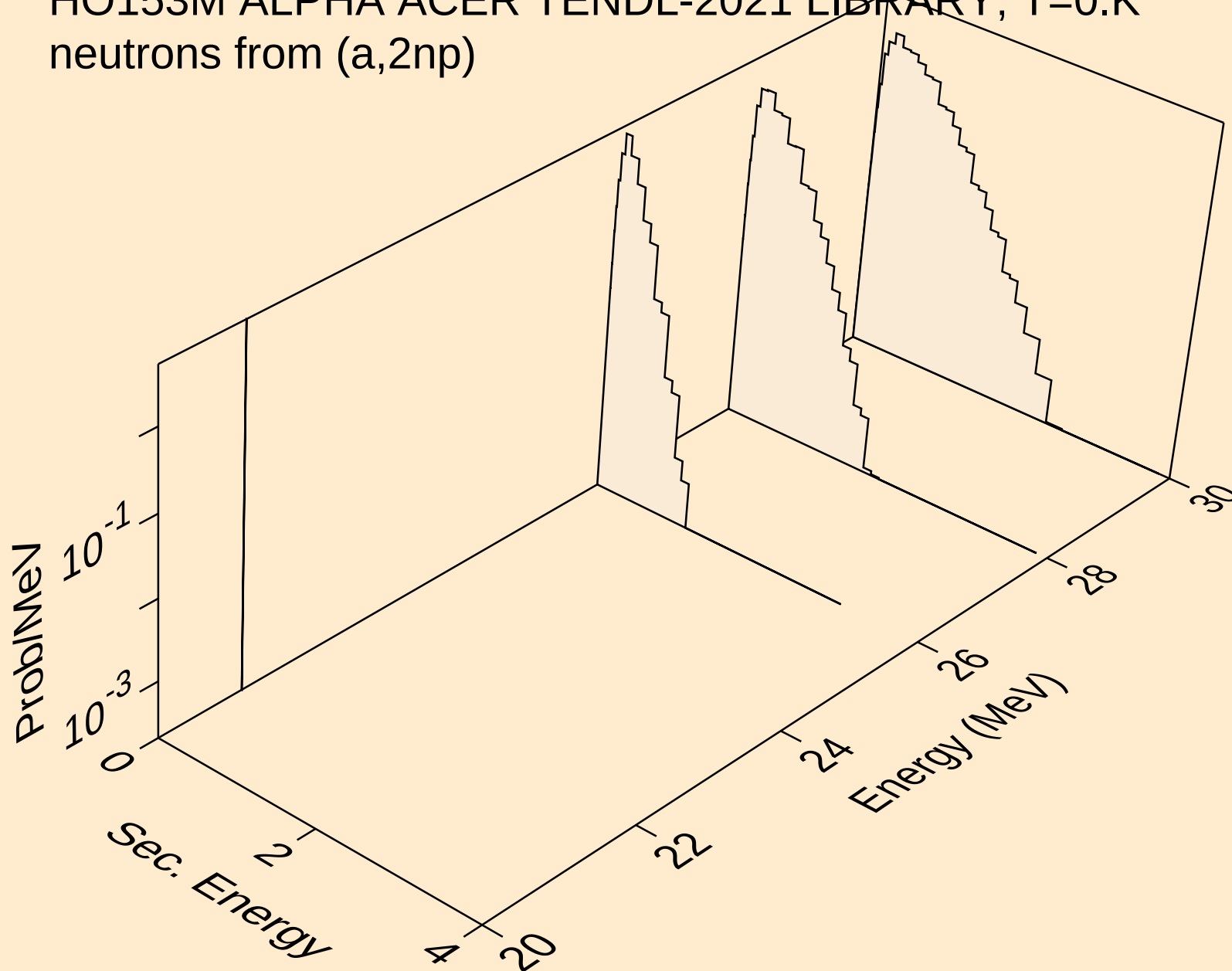
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neutrons from (a,n\*)d



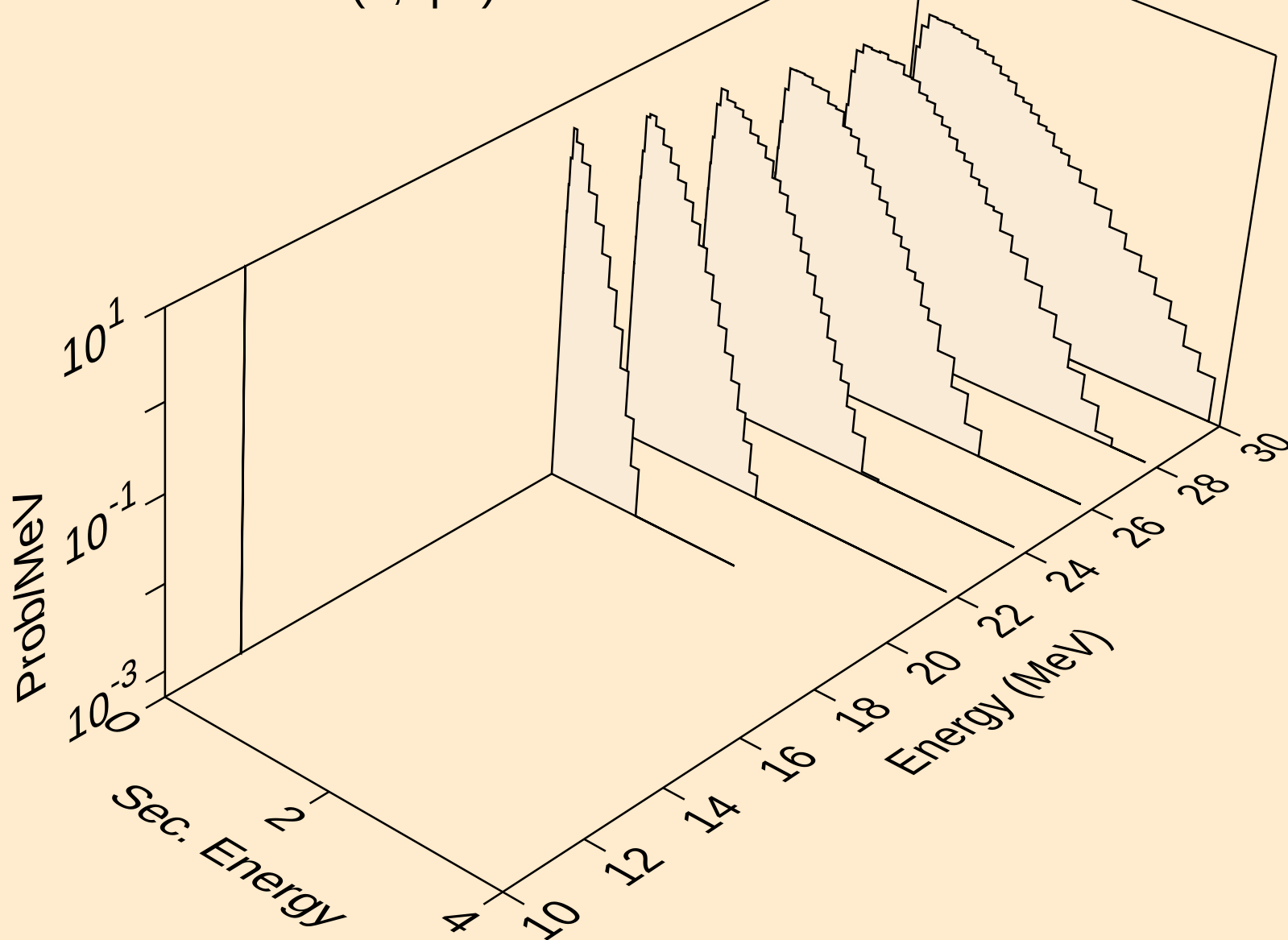
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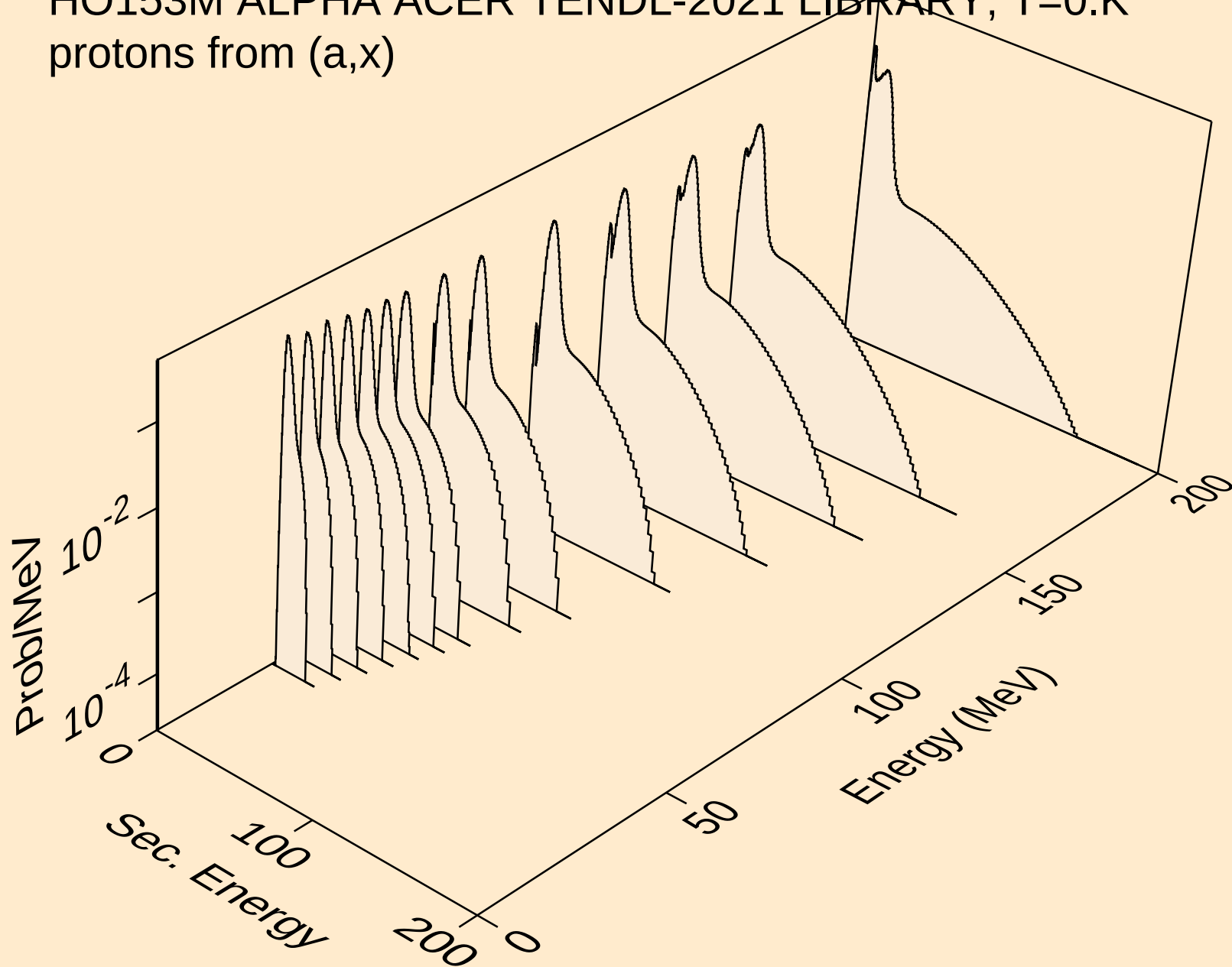
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neutrons from (a,2np)



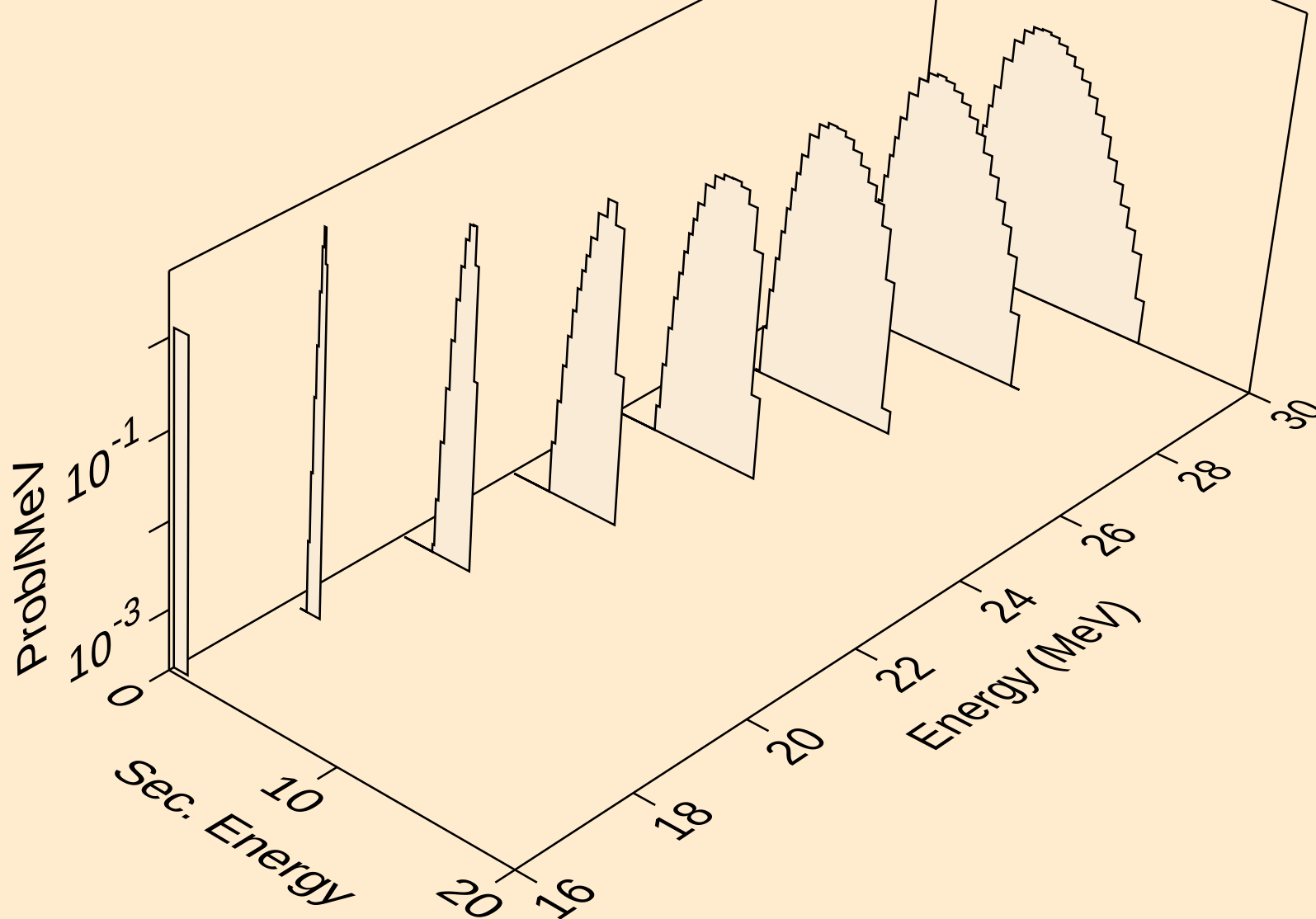
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neutrons from (a,npa)



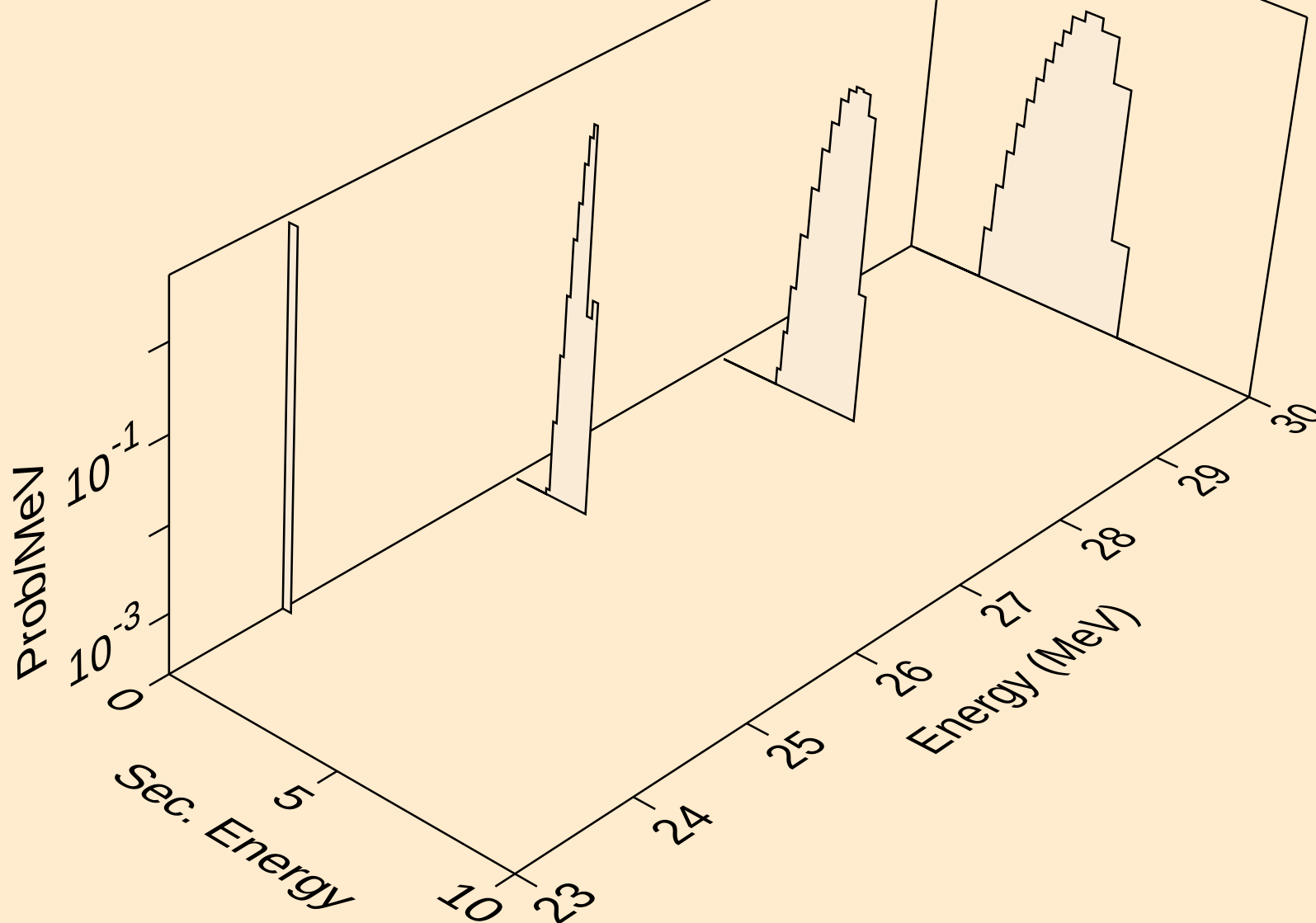
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



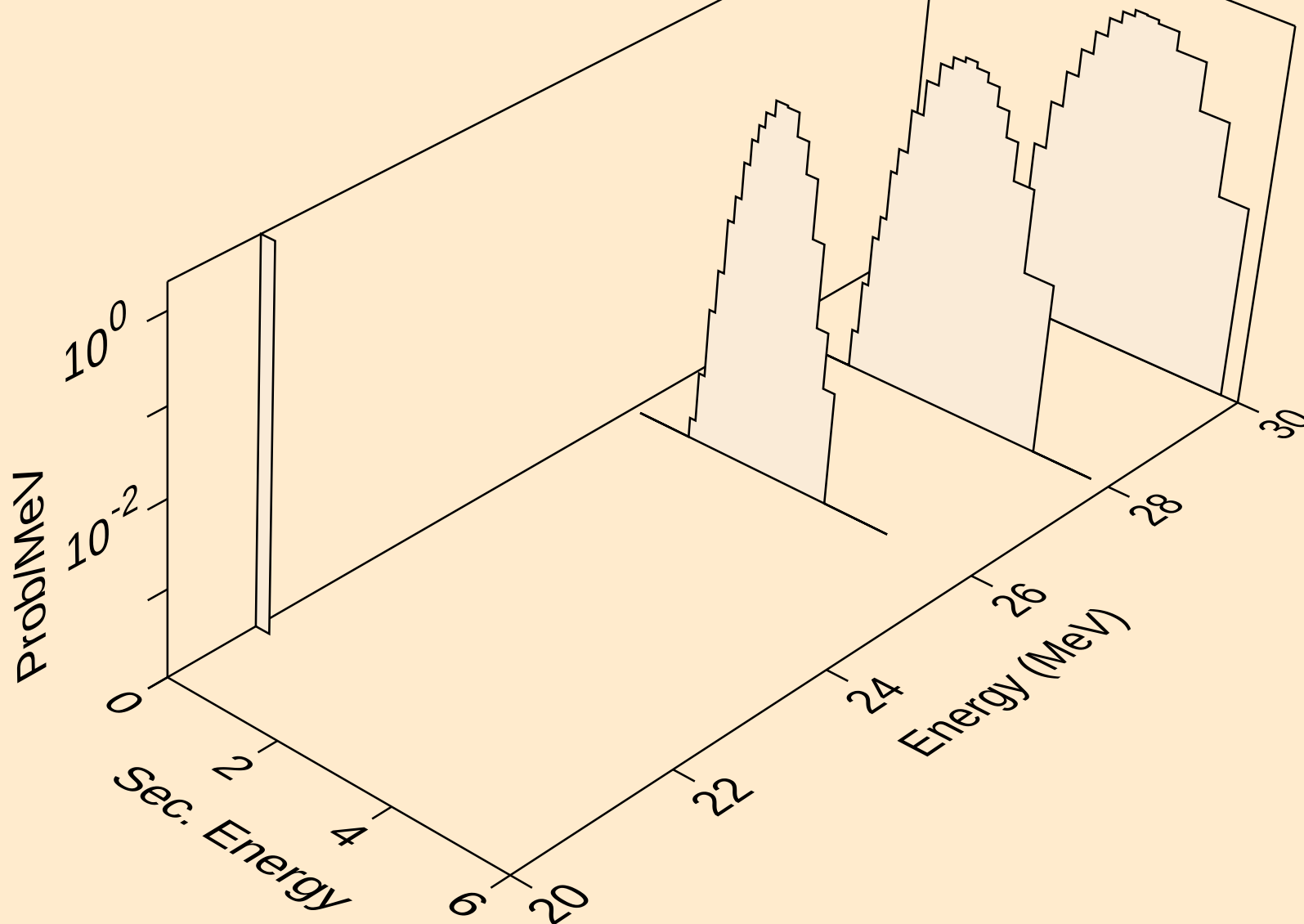
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



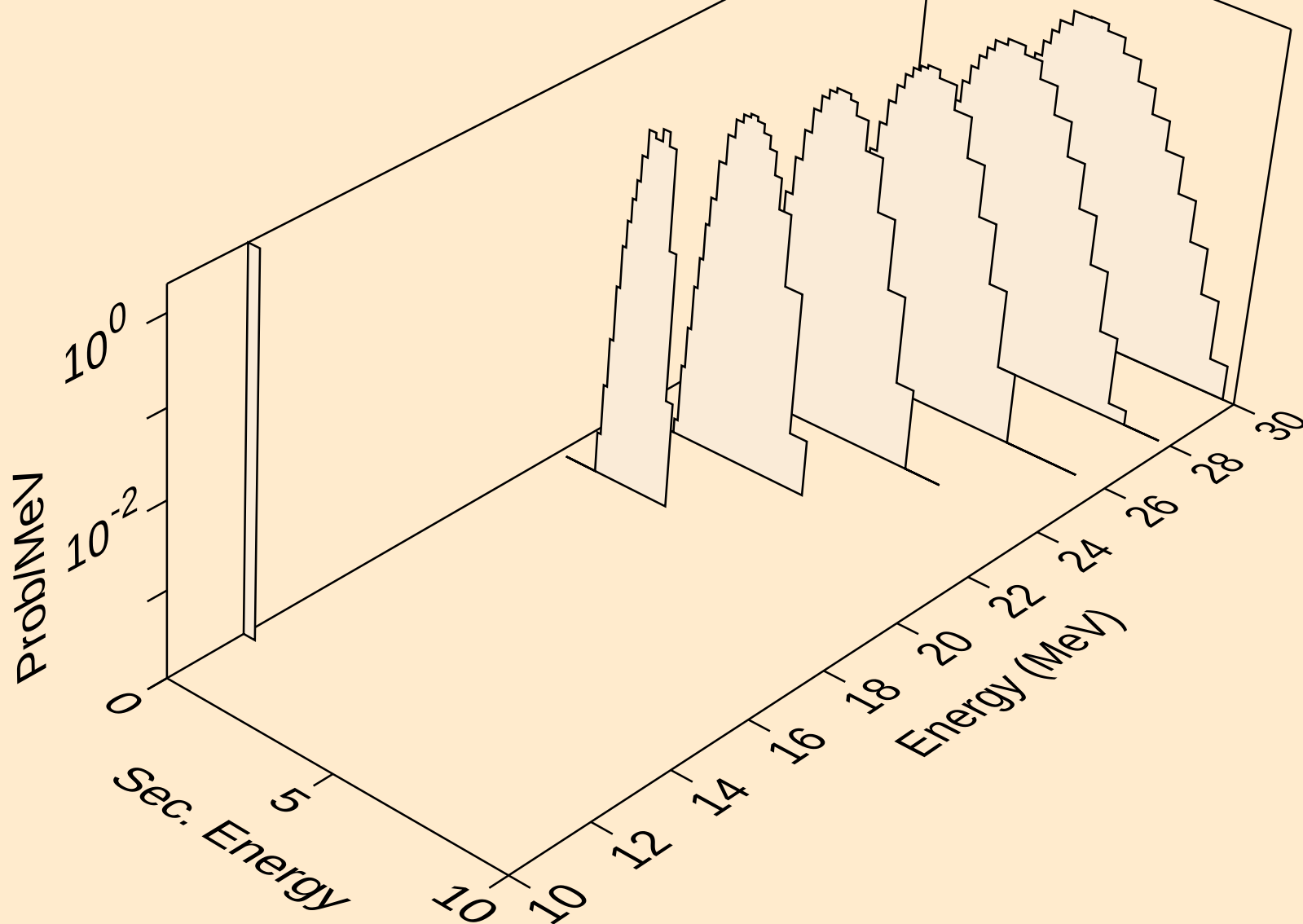
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



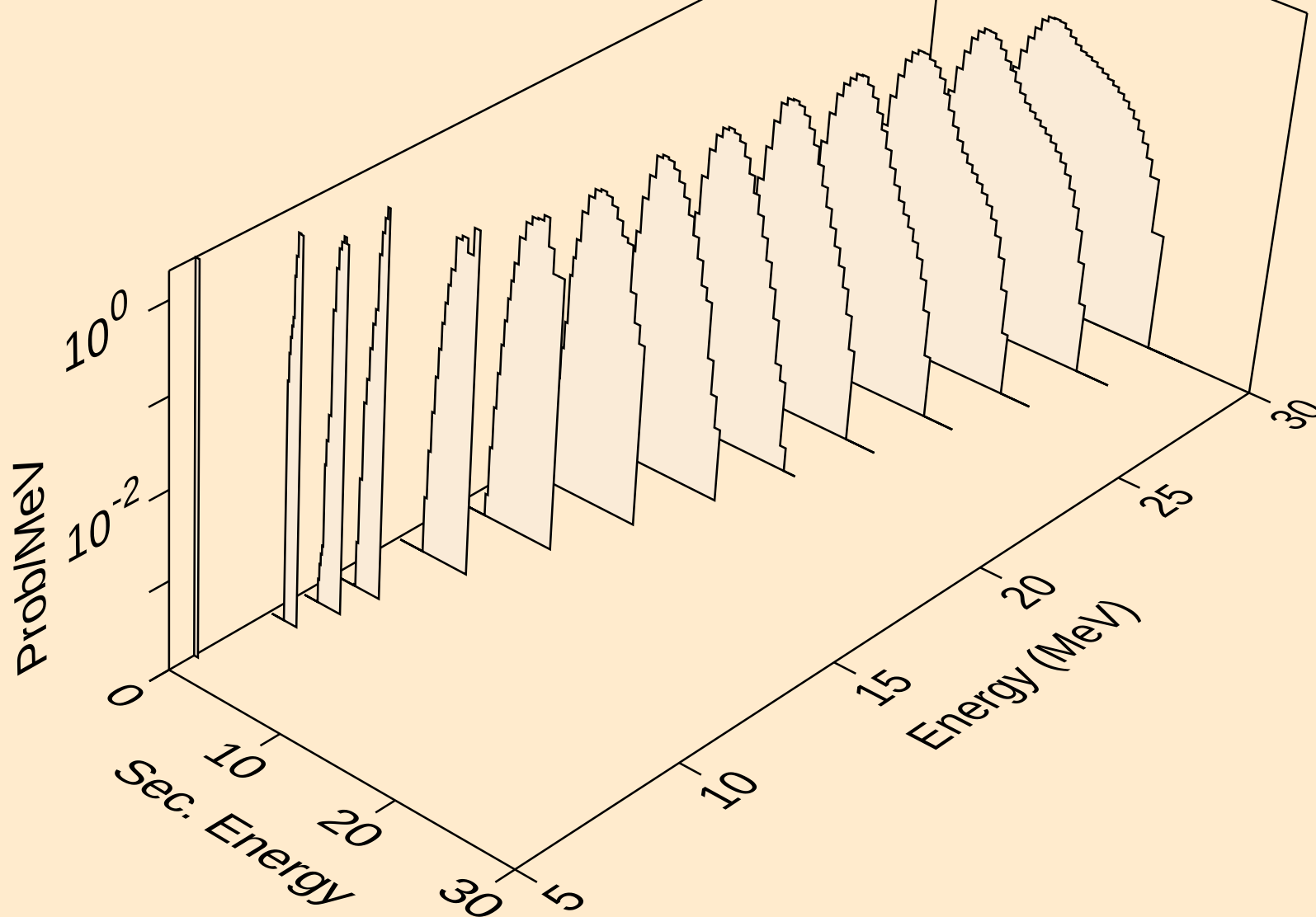
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2np)



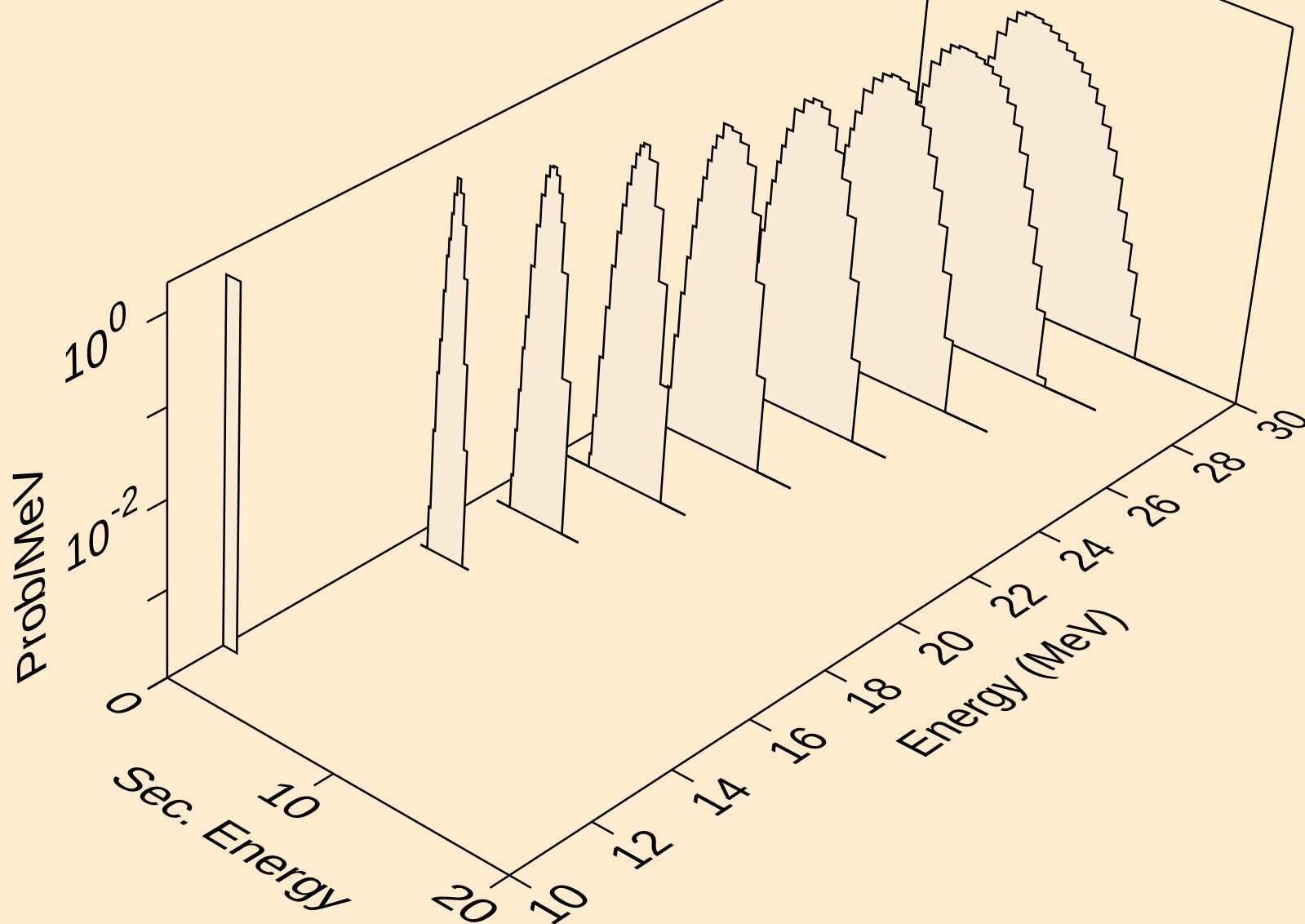
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,npa)



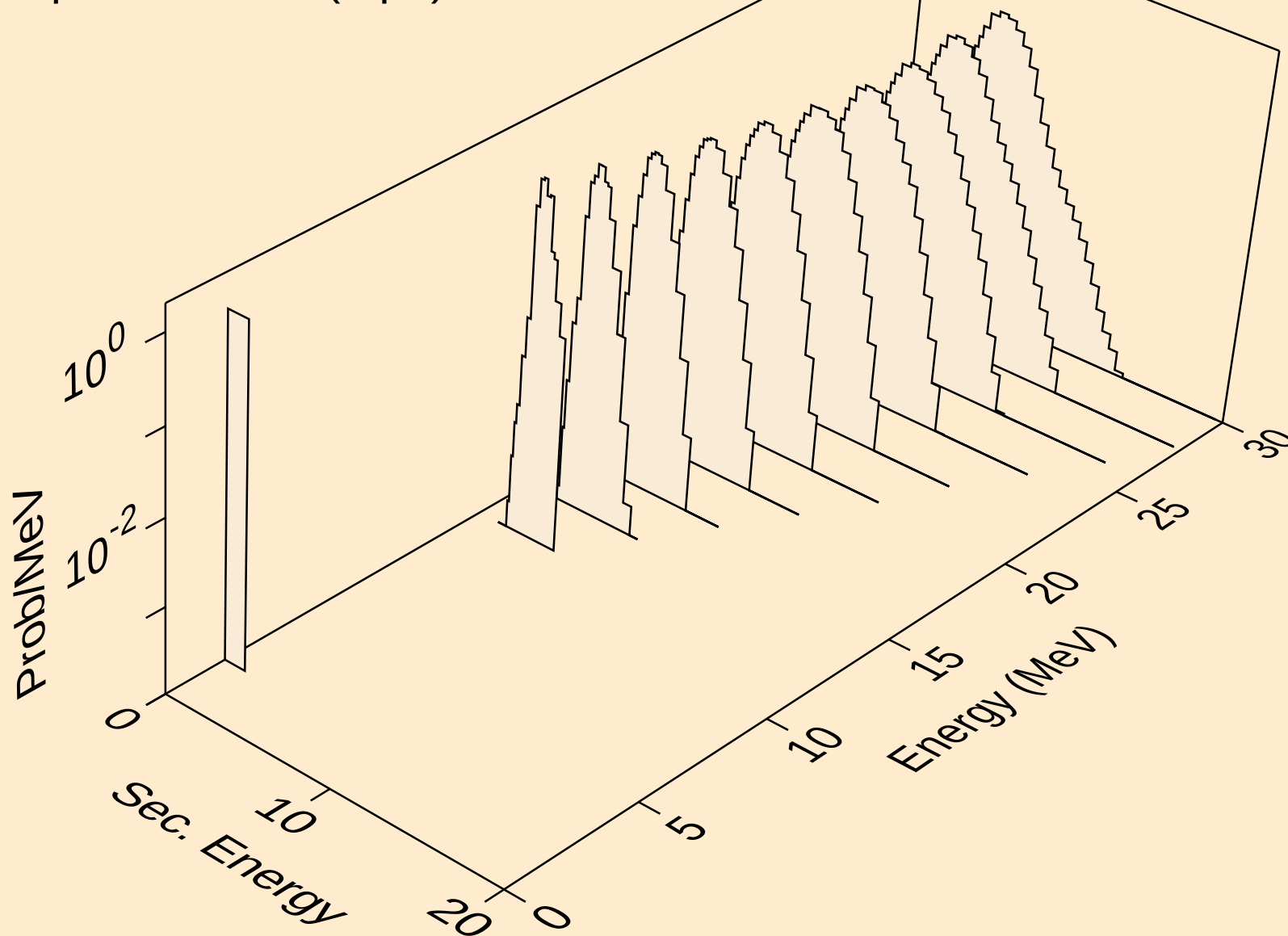
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)



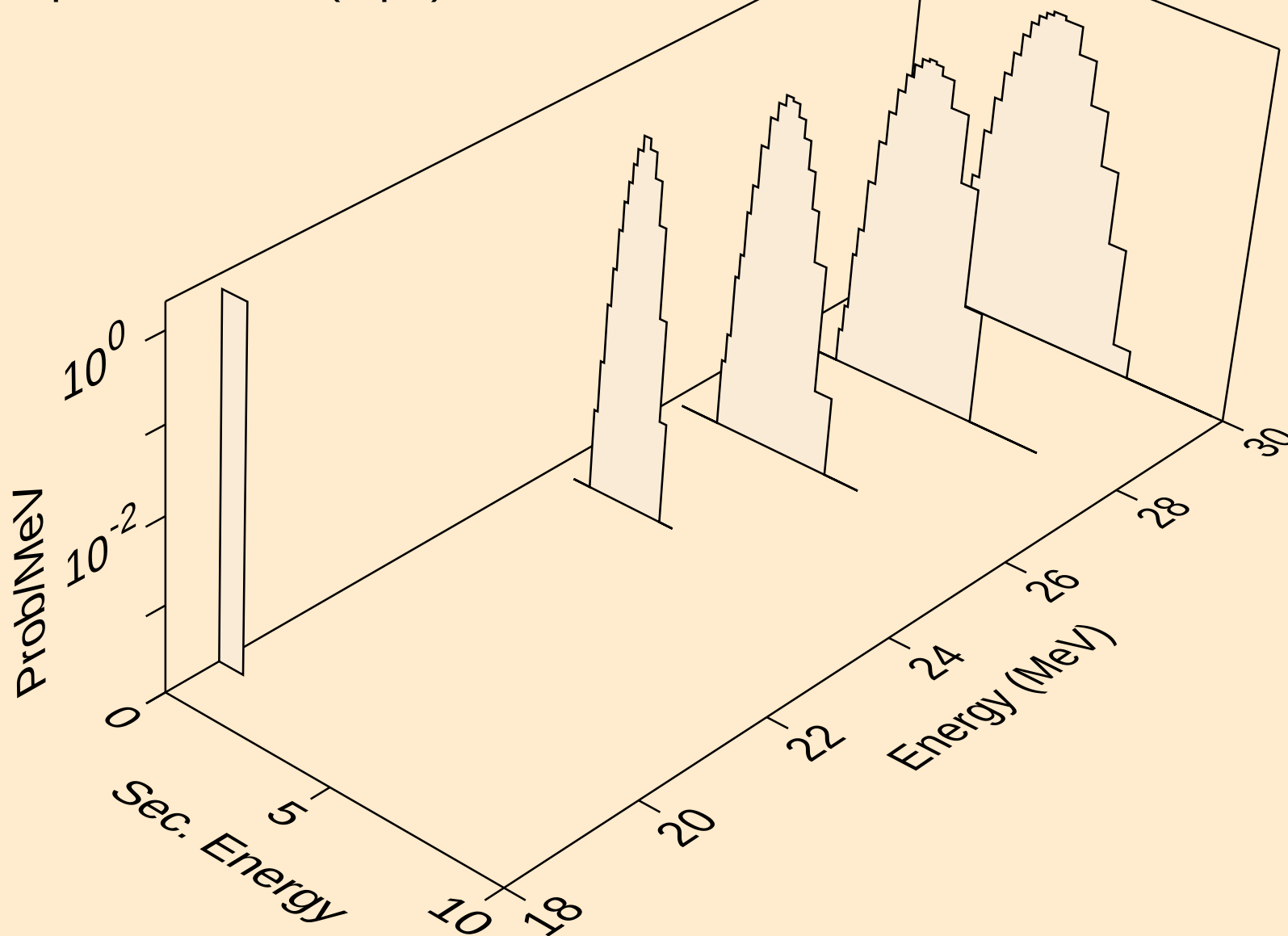
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)



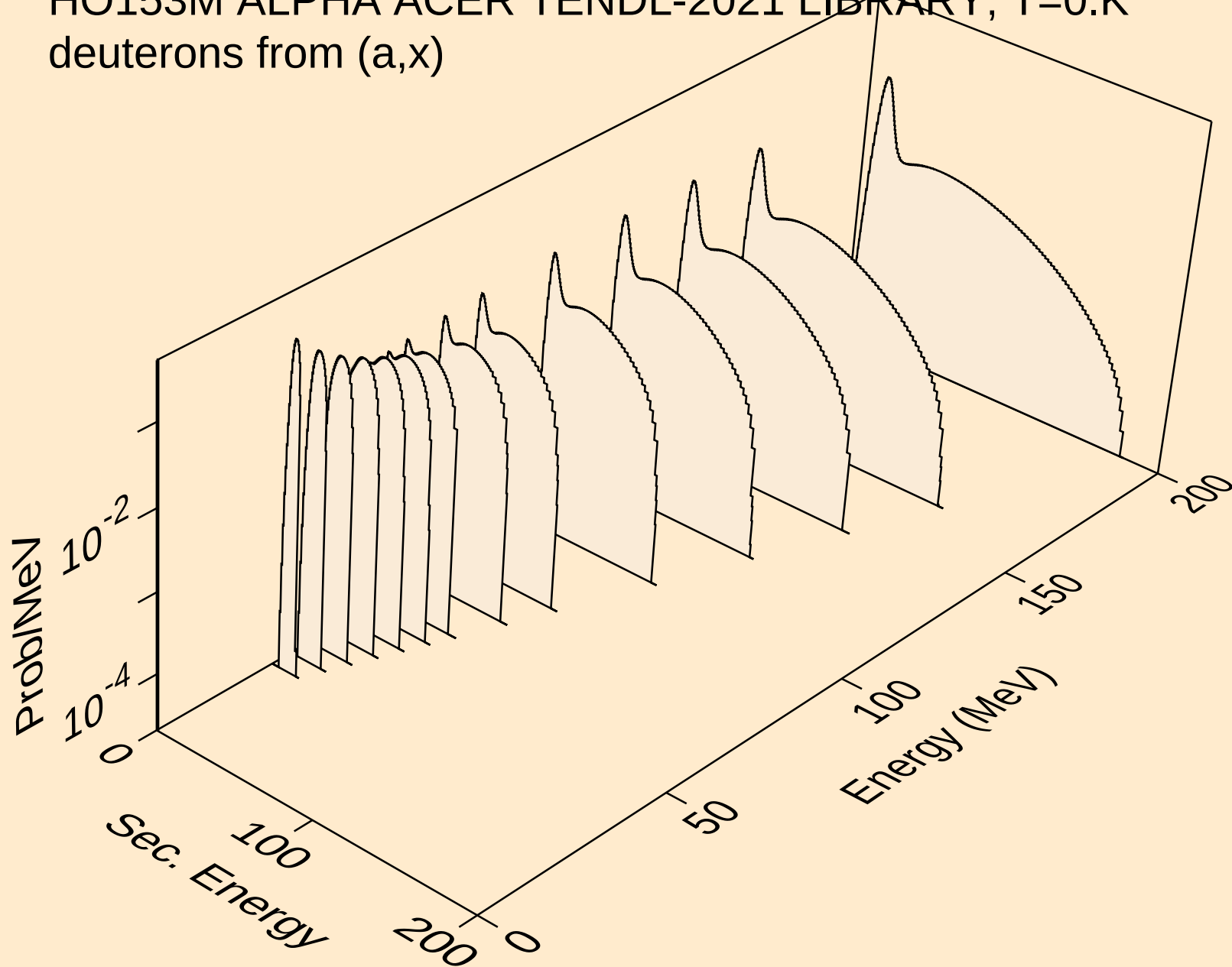
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protons from (a,pa)



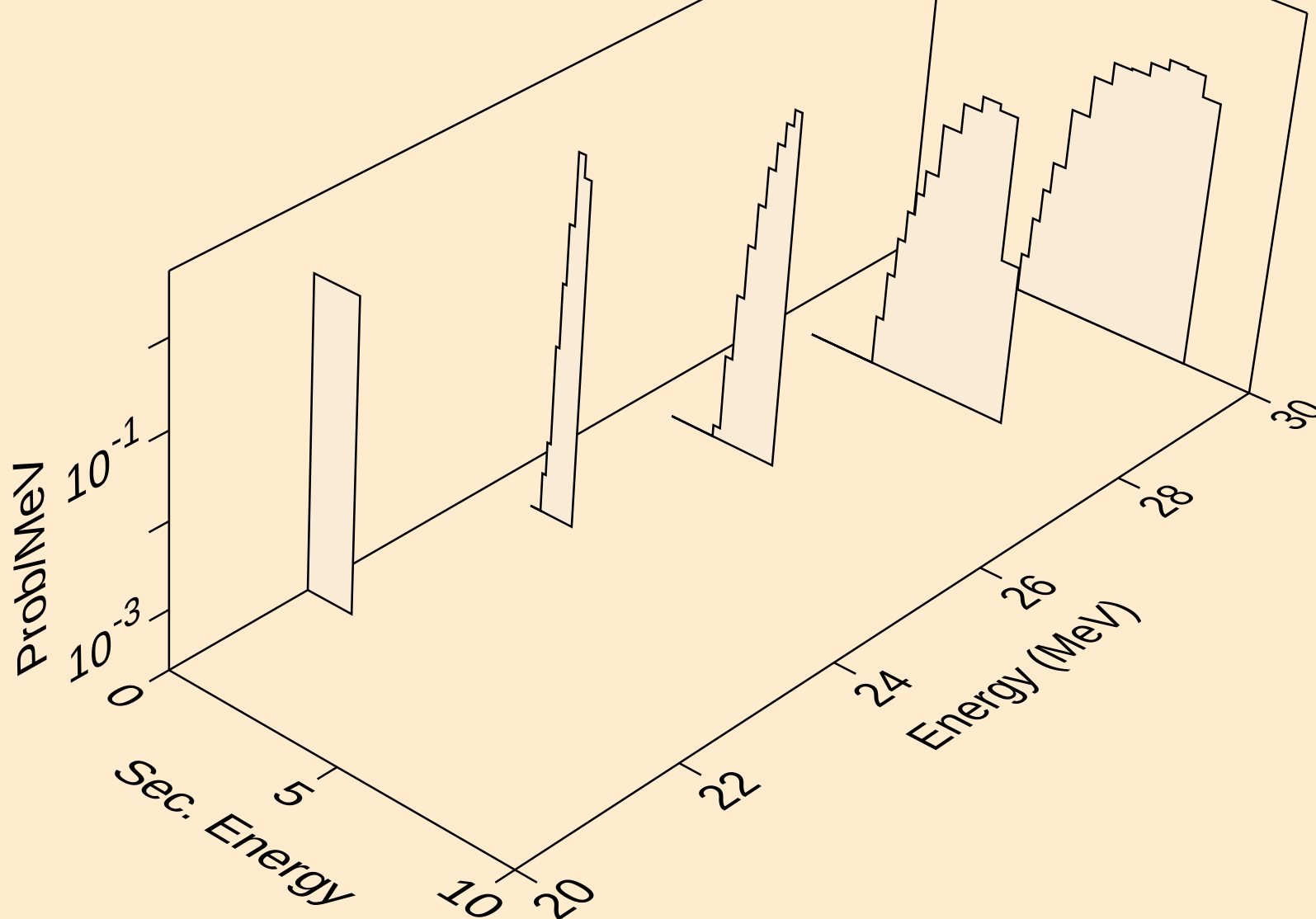
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)



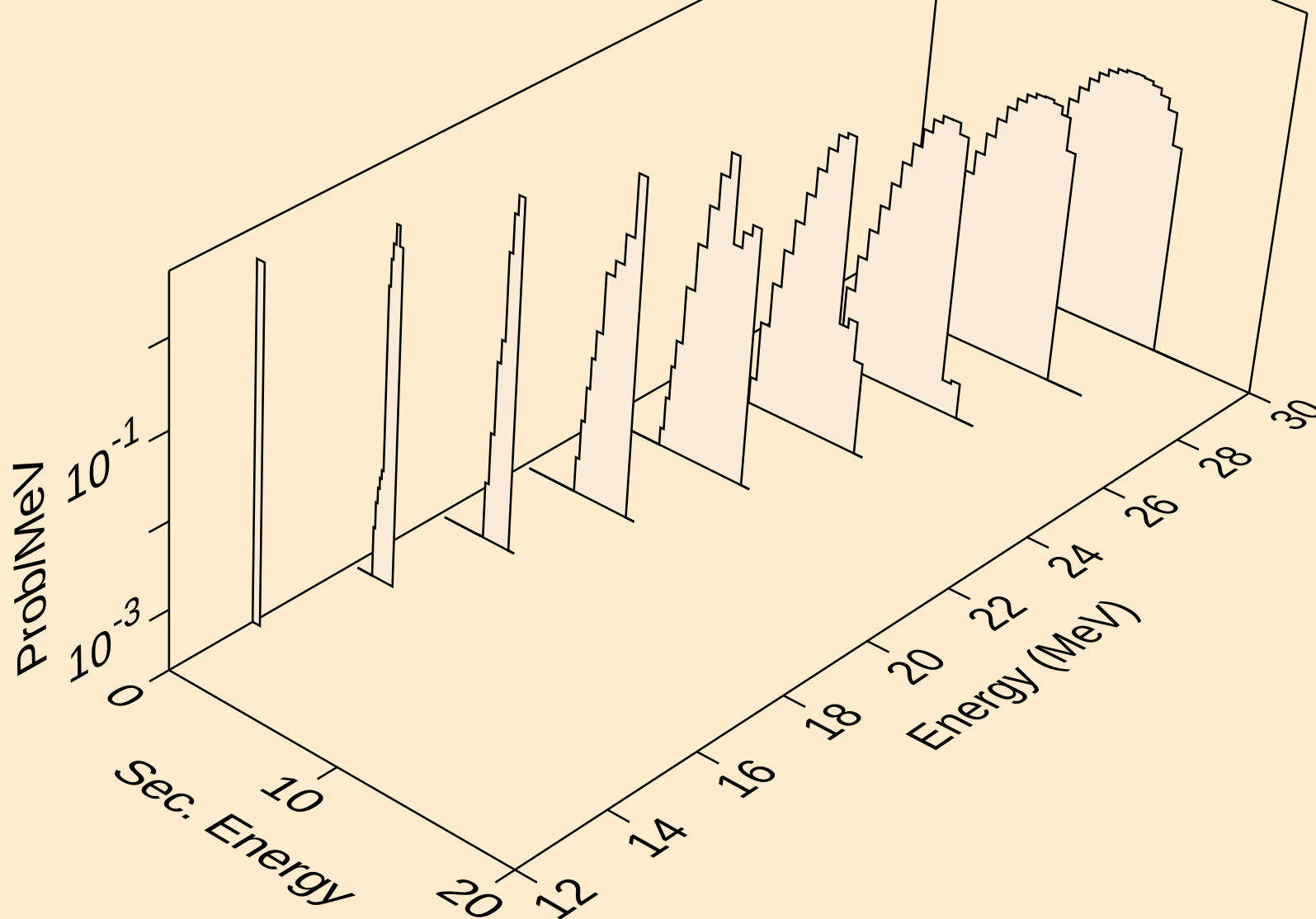
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



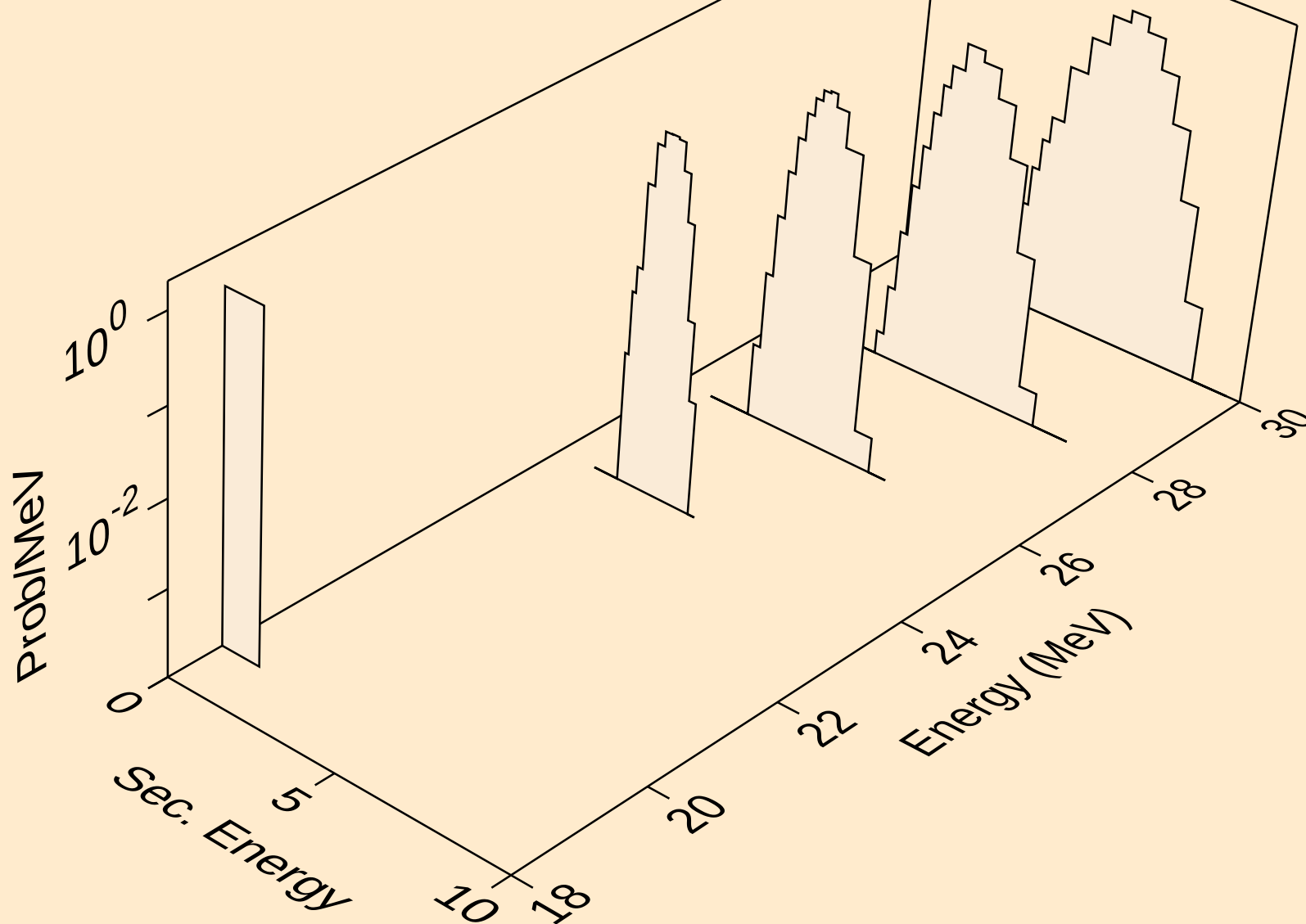
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



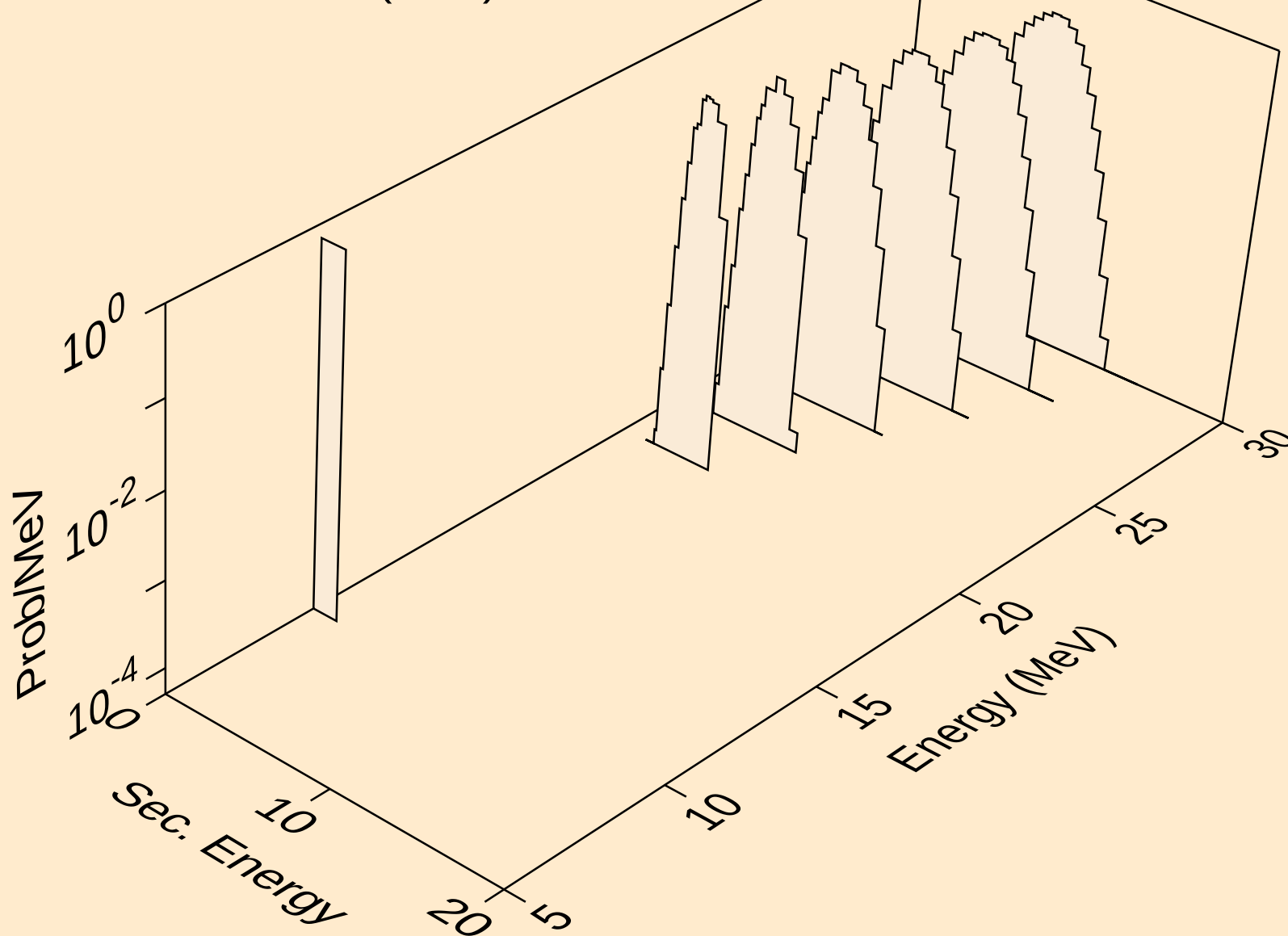
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deuterons from (a,d)



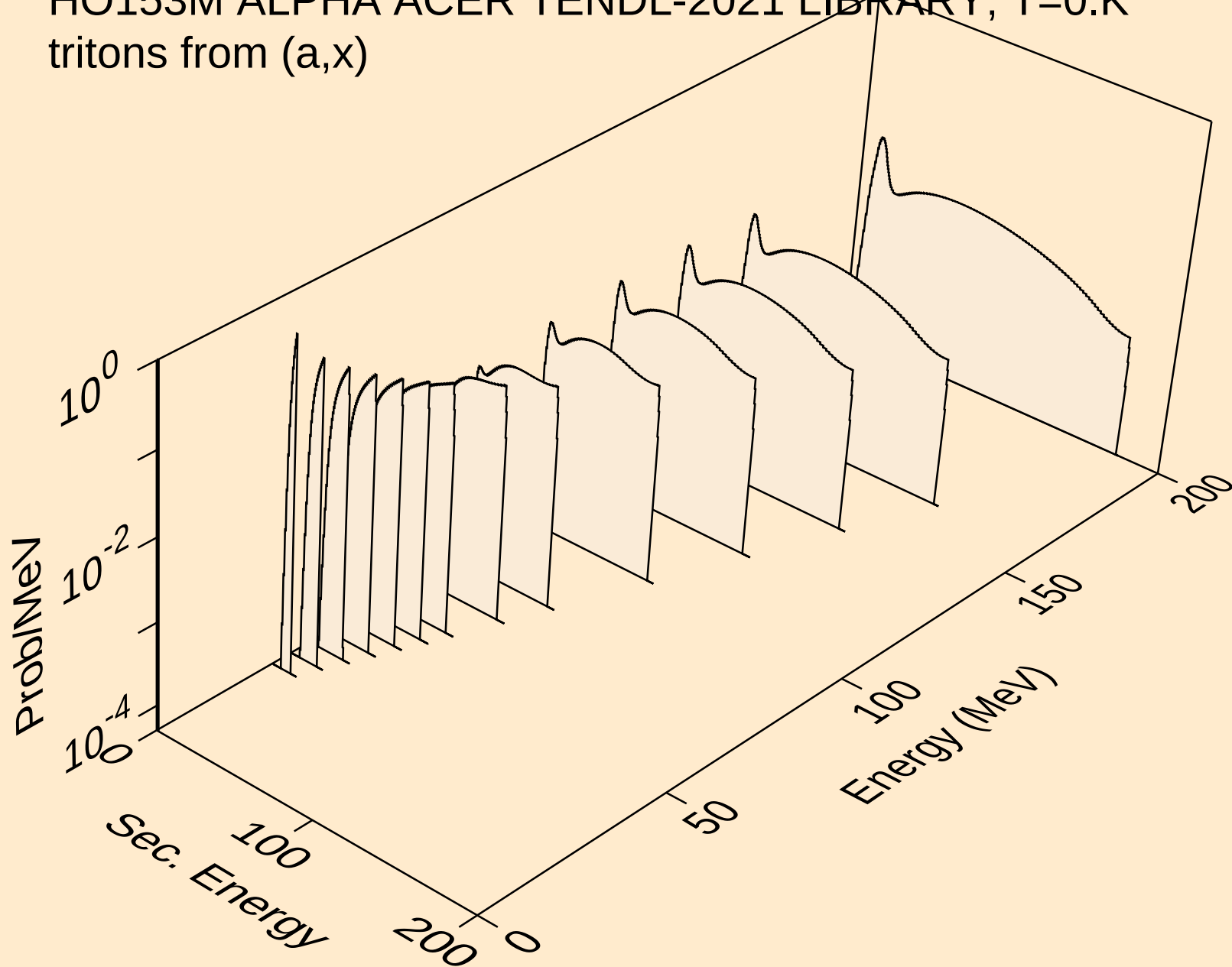
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deuterons from (a,pd)



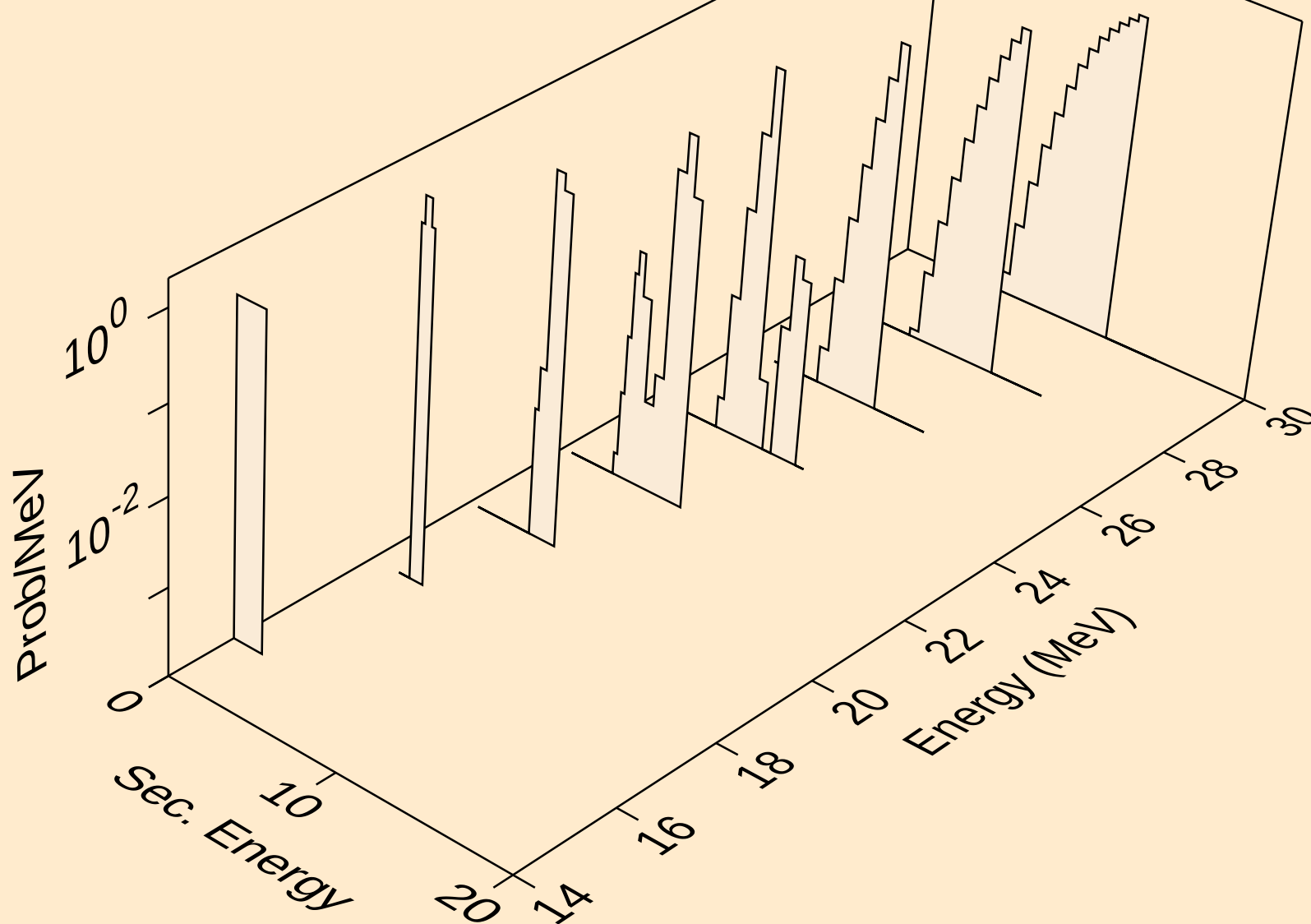
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deuterons from (a,da)



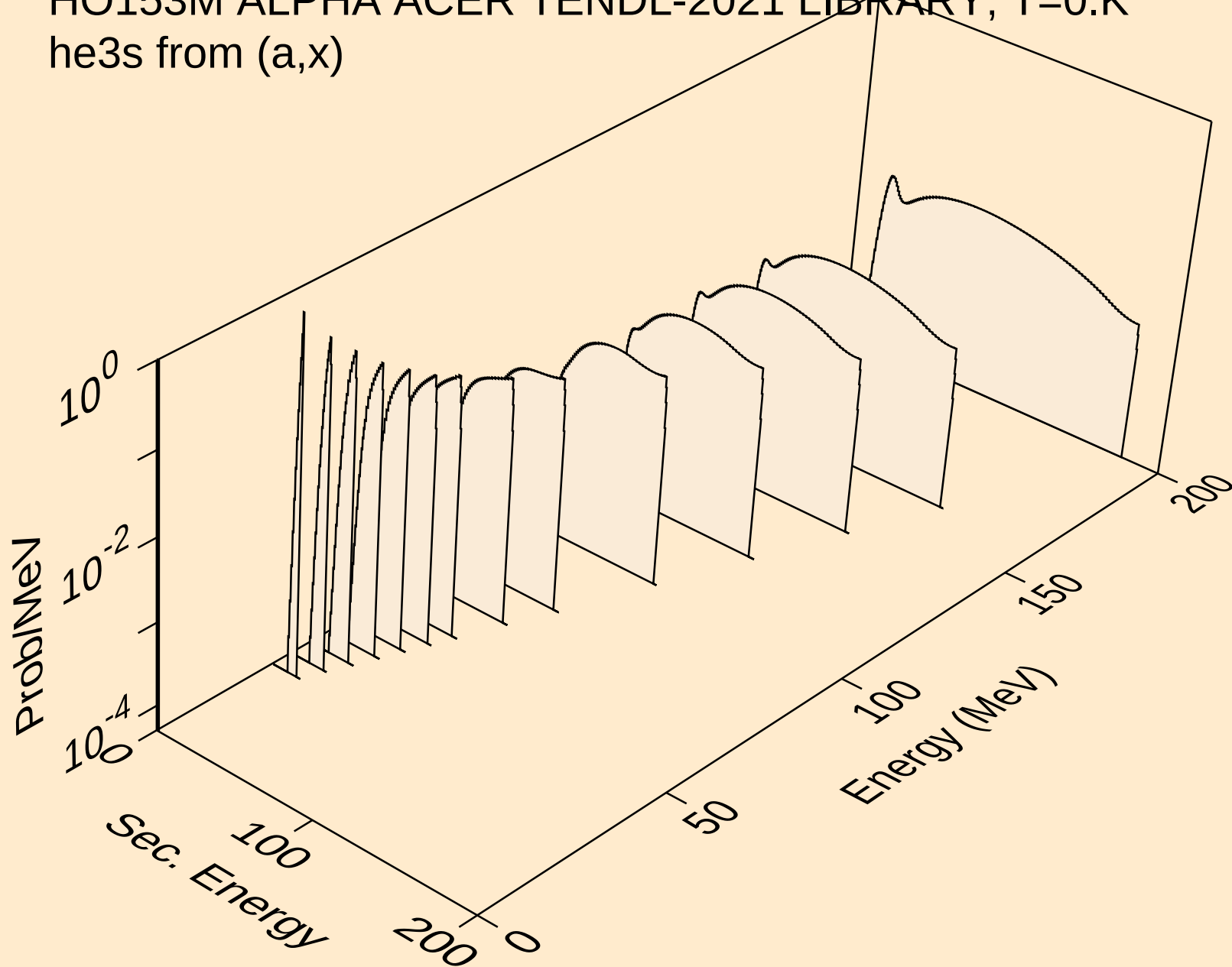
HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



HO153M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

