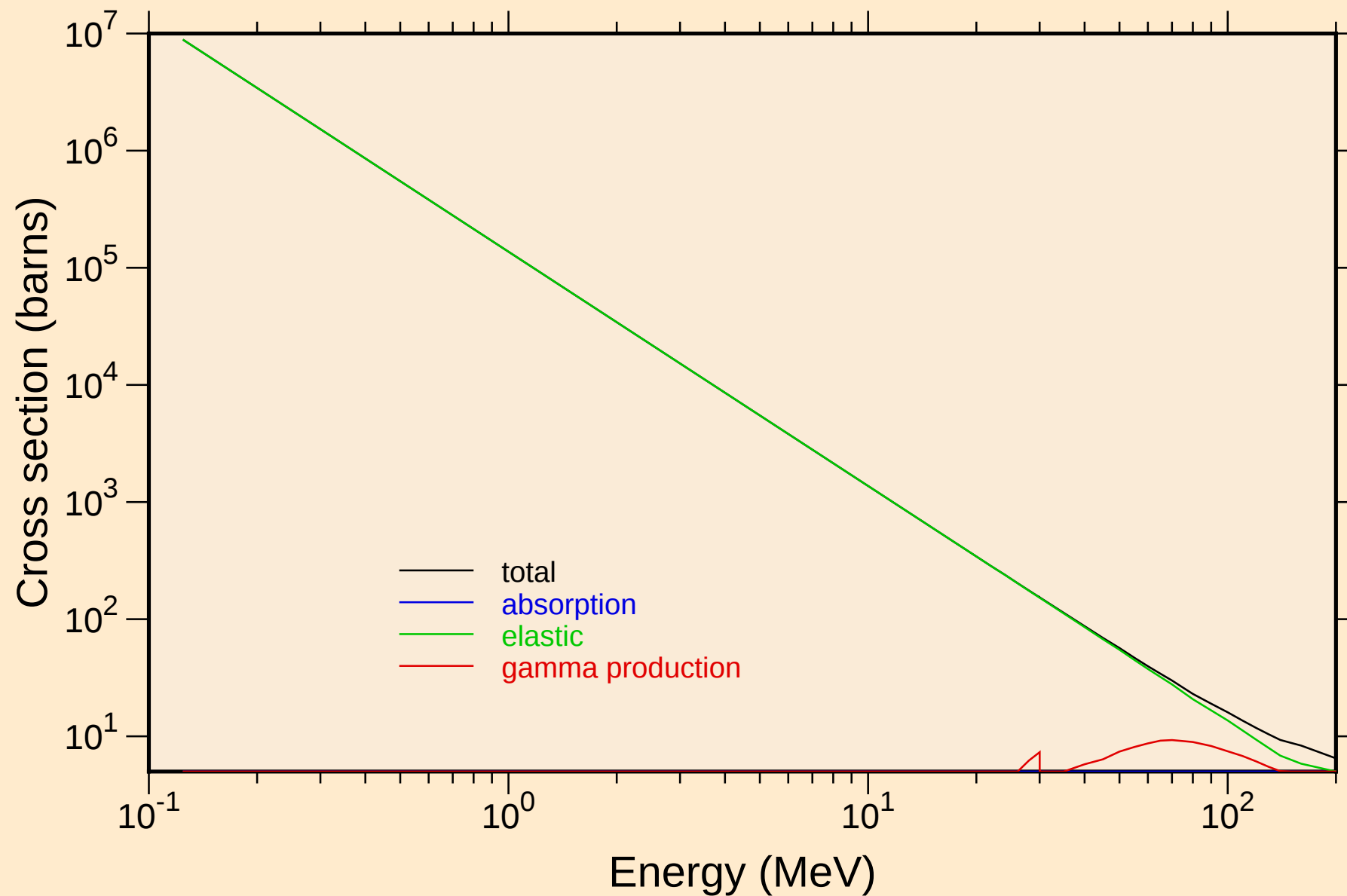


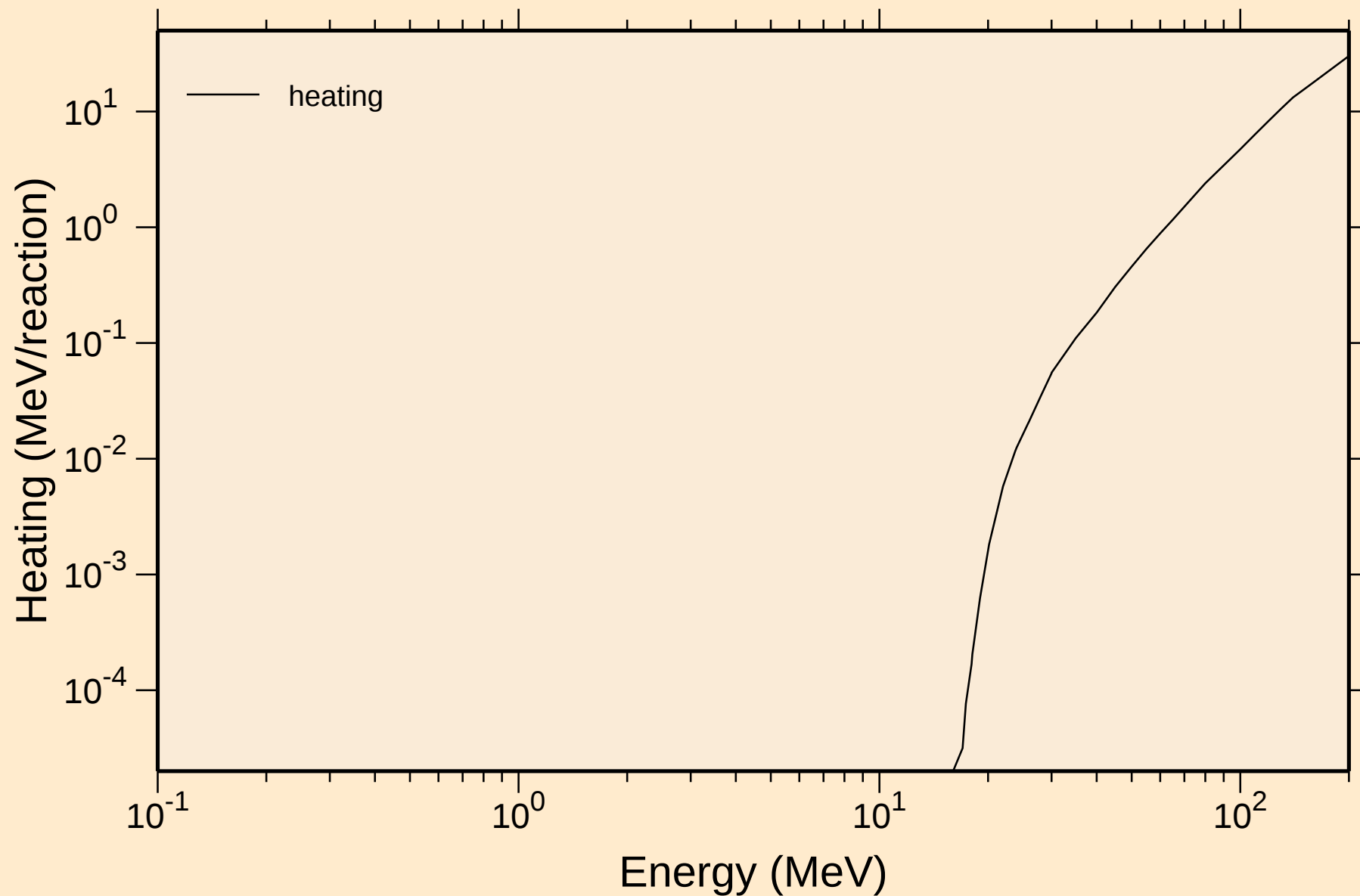
# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



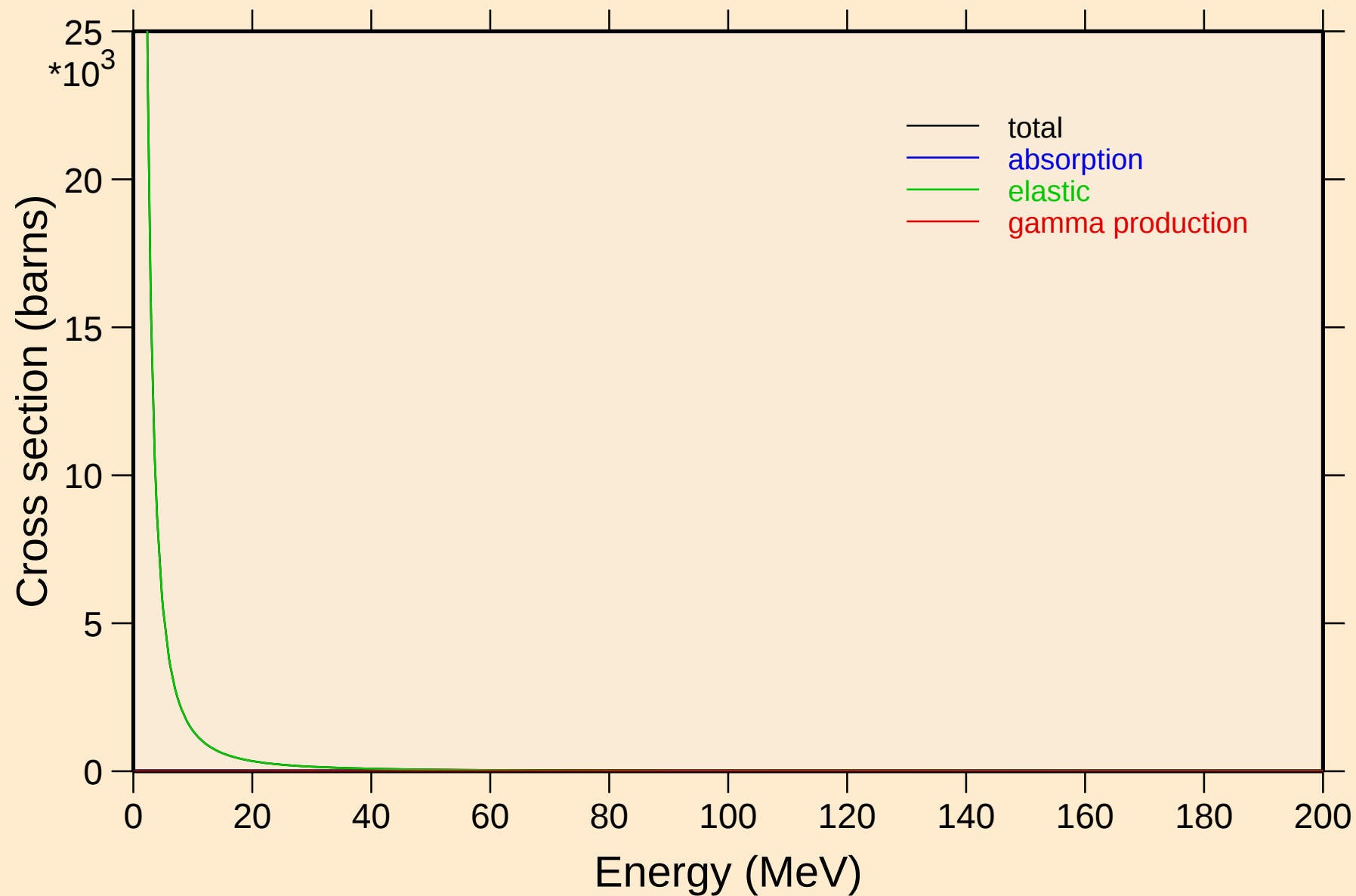
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



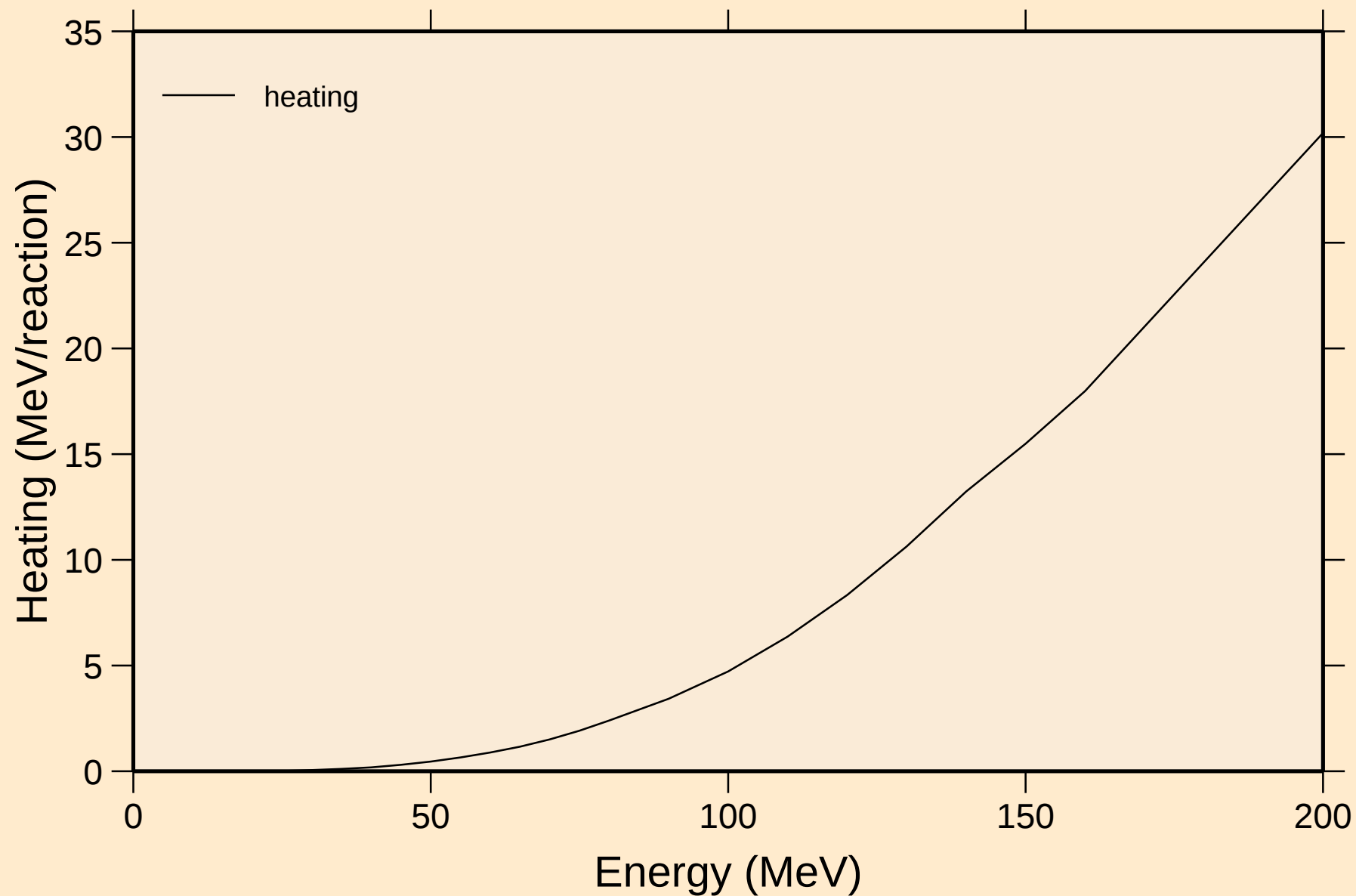
# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



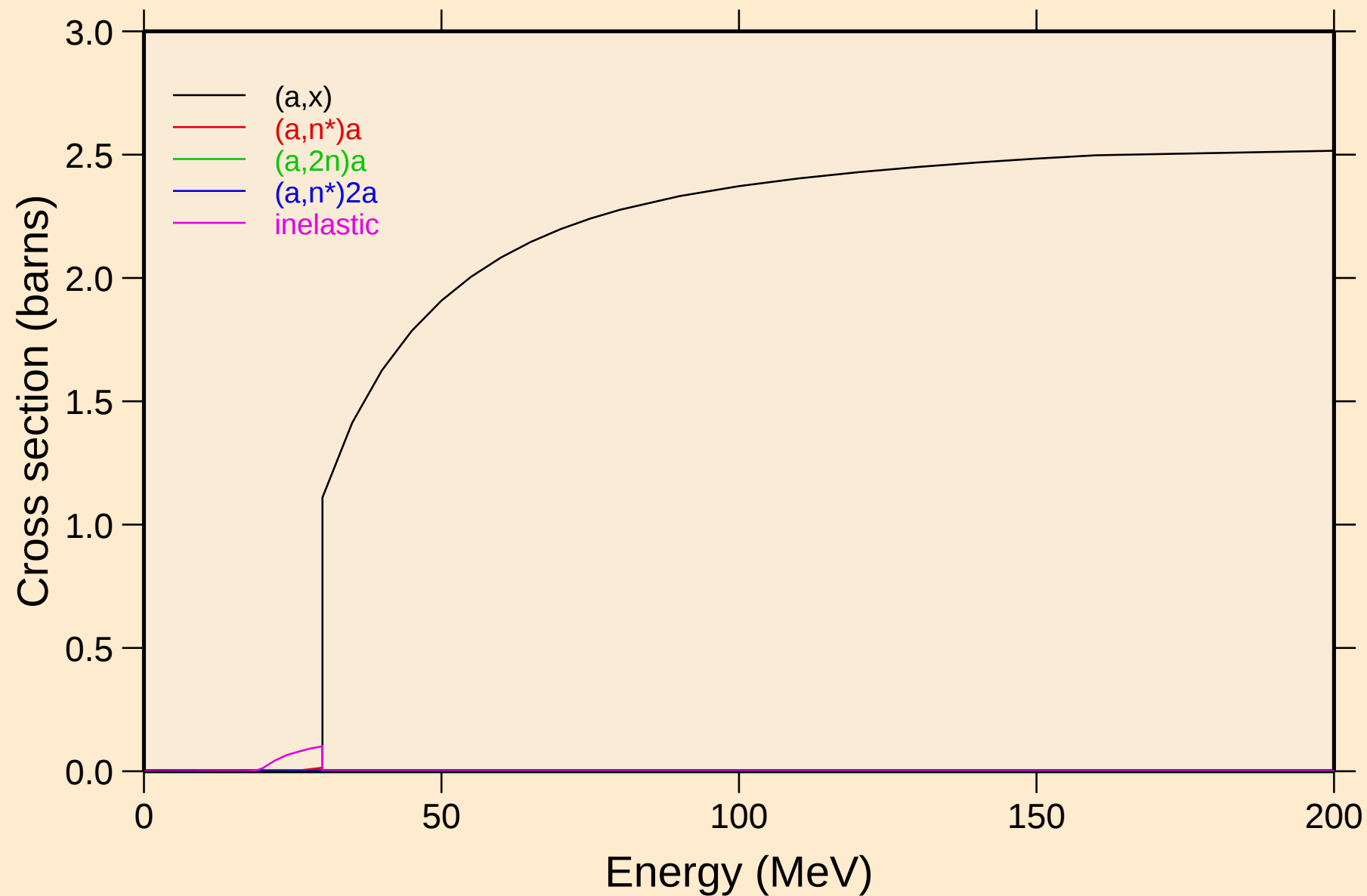
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



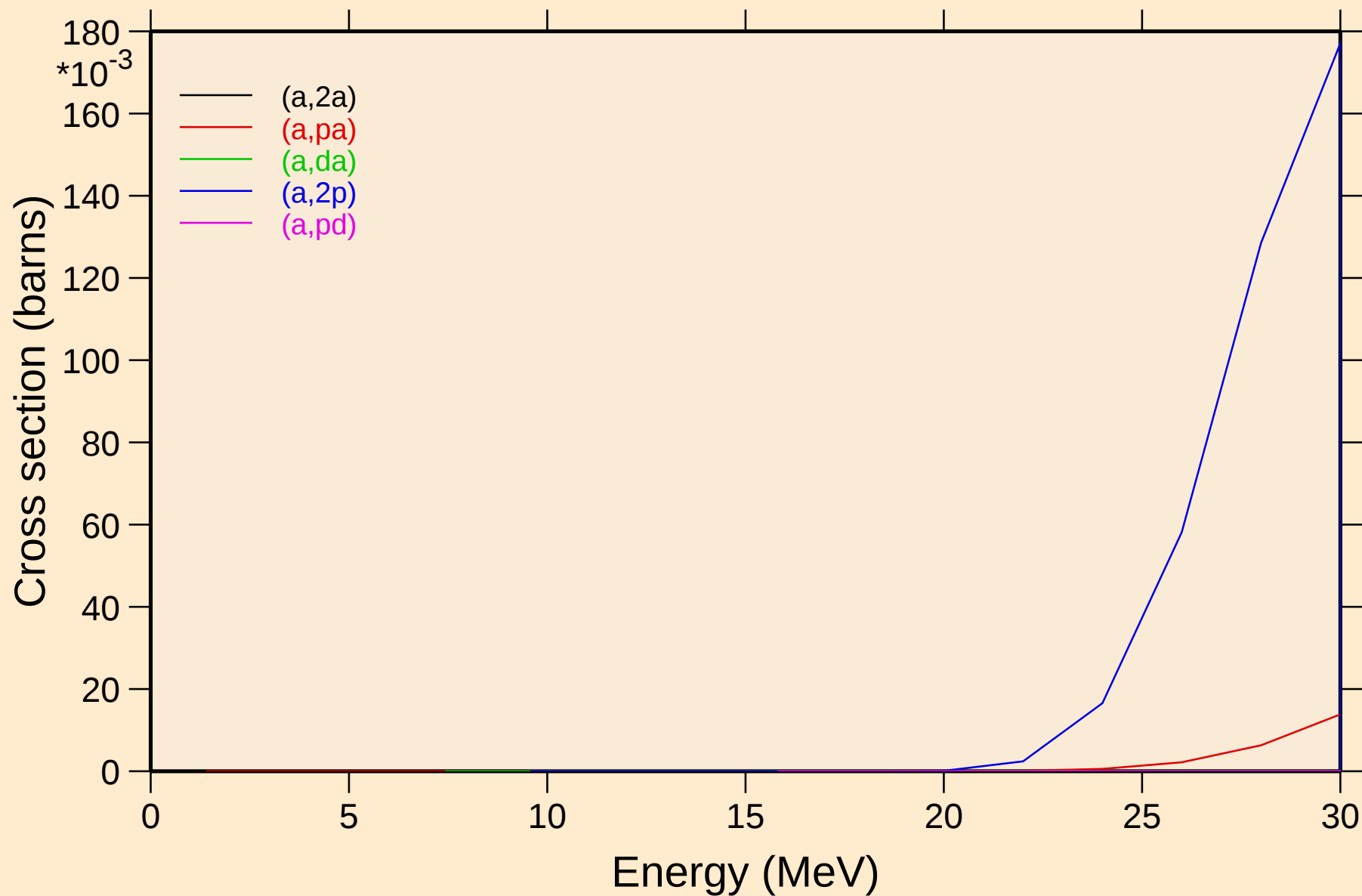
# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



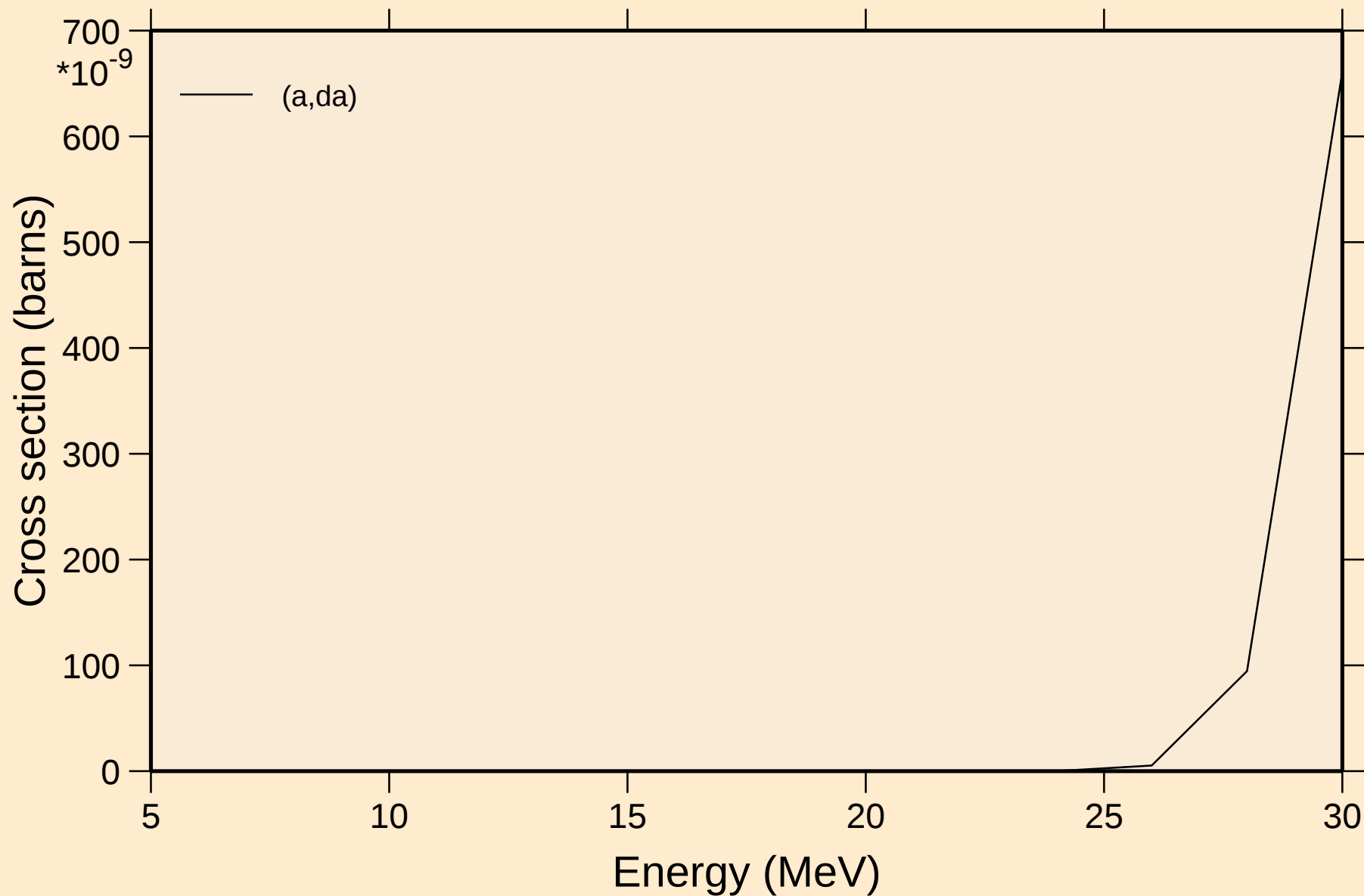
# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

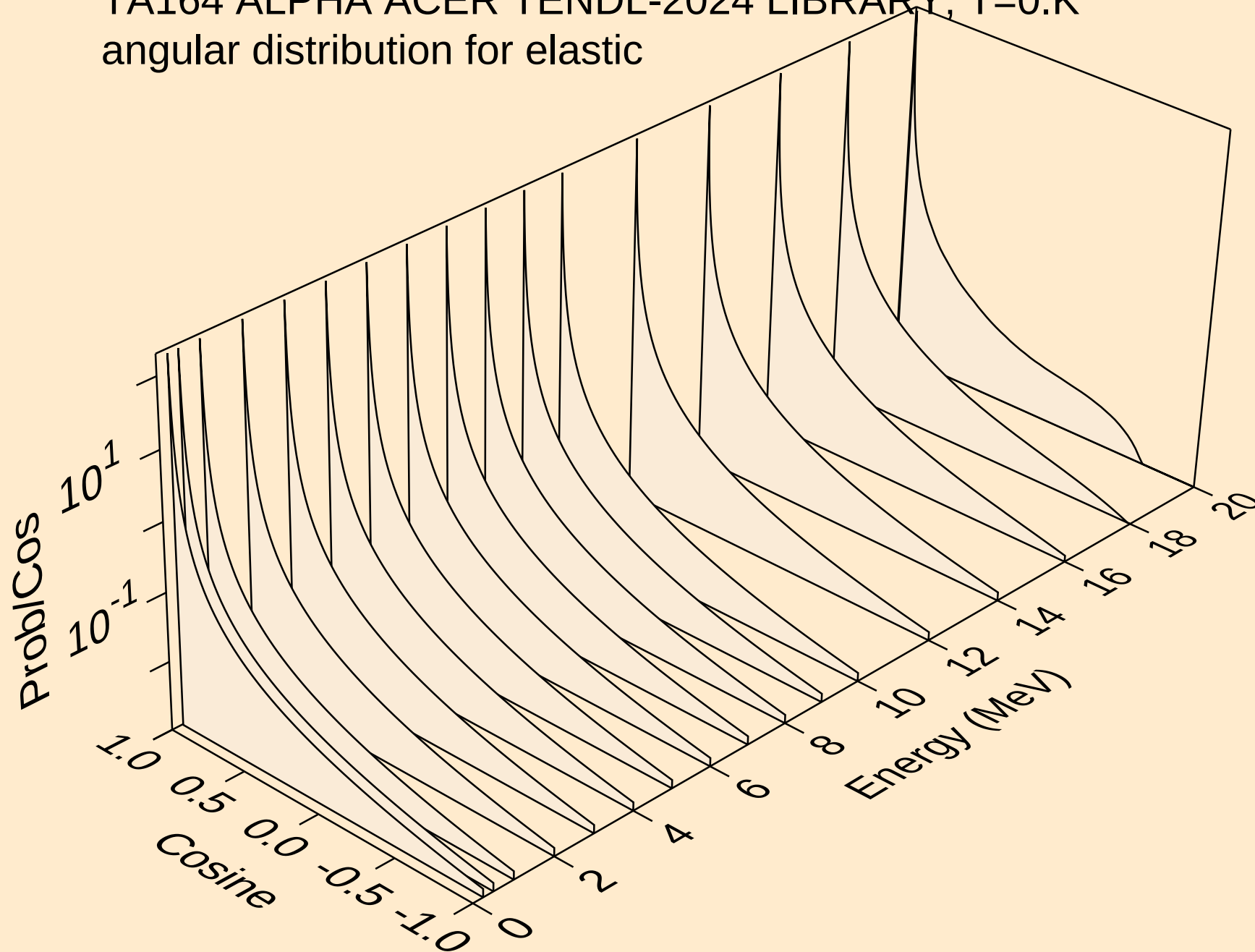


# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

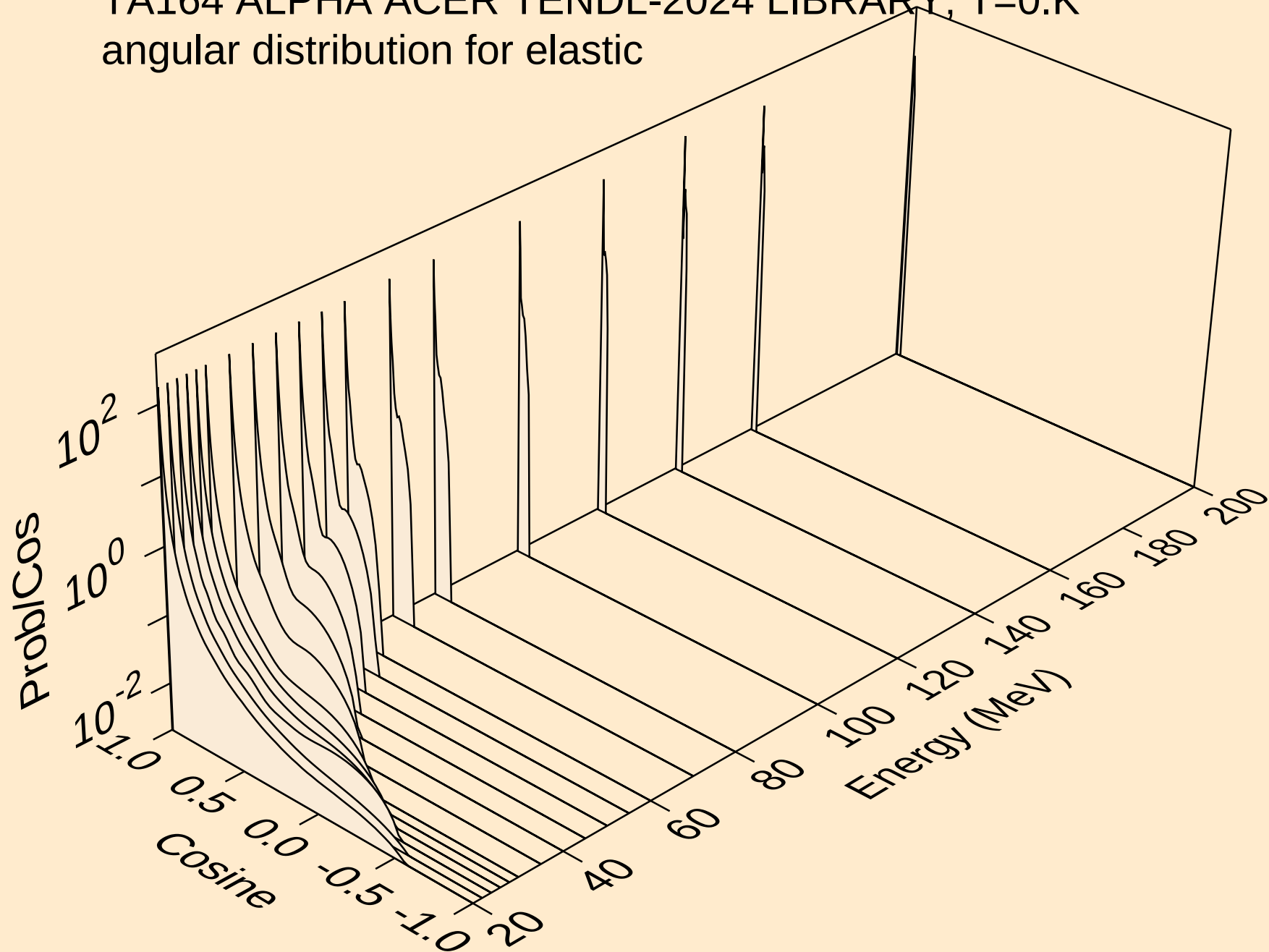
Threshold reactions



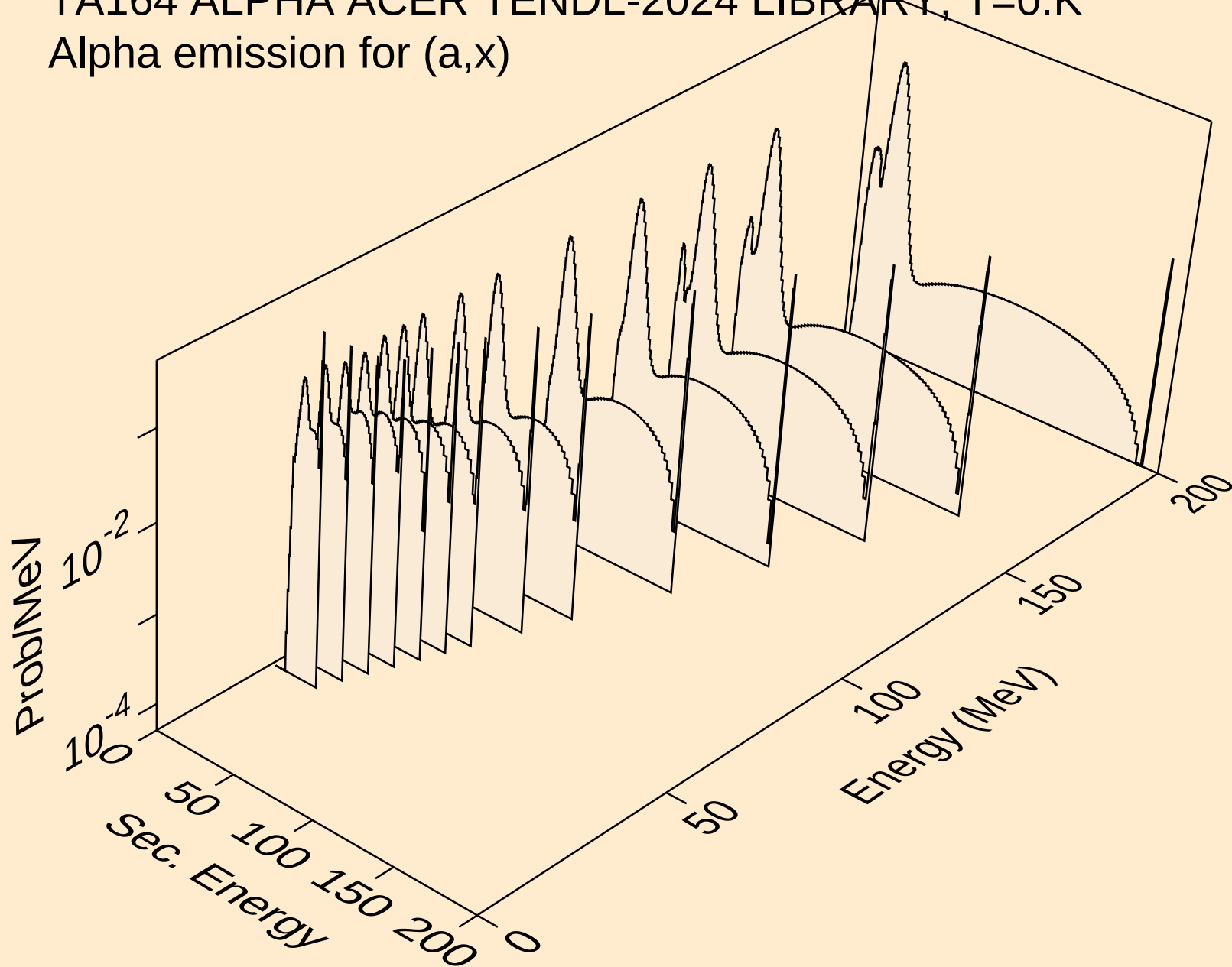
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



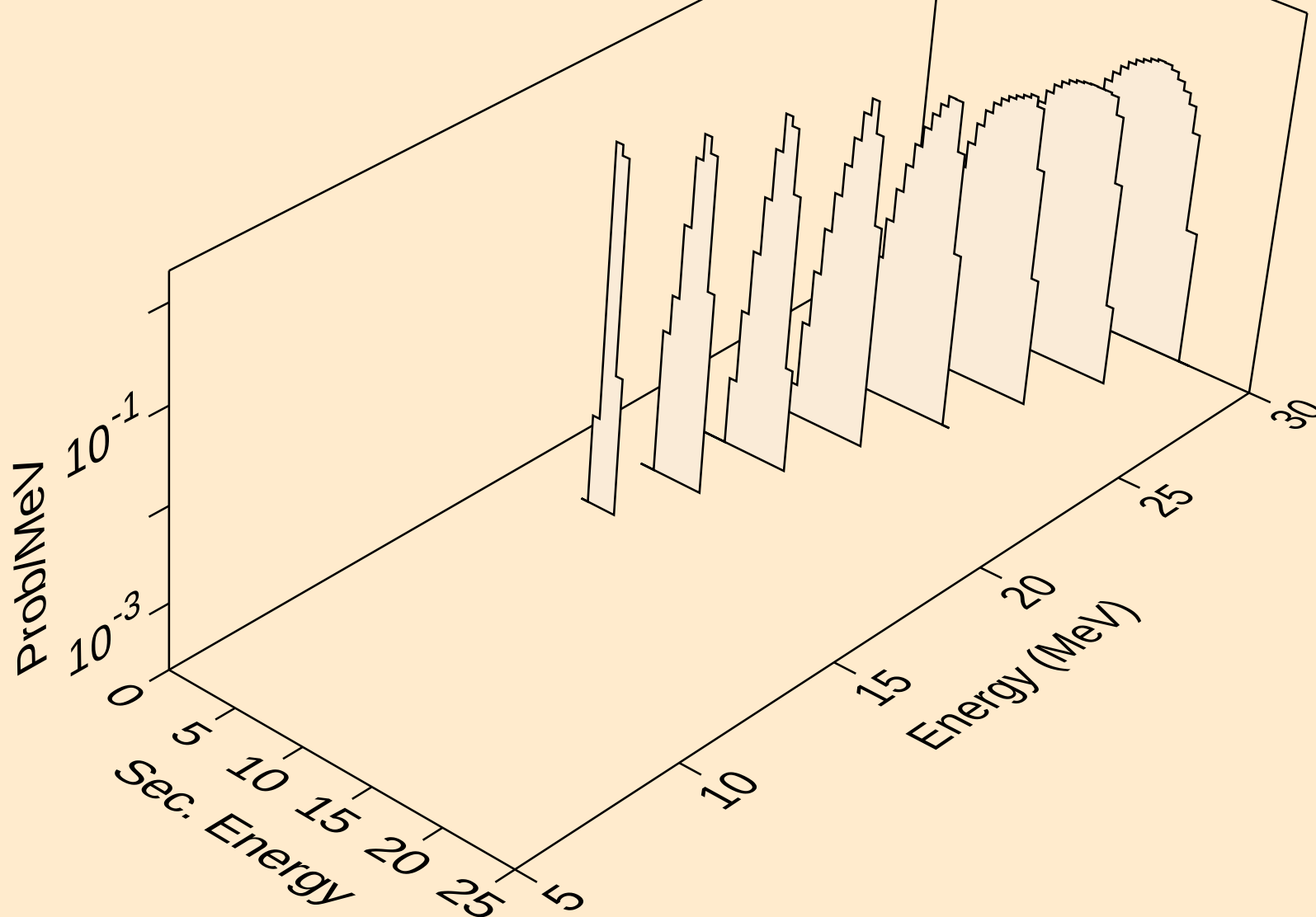
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)

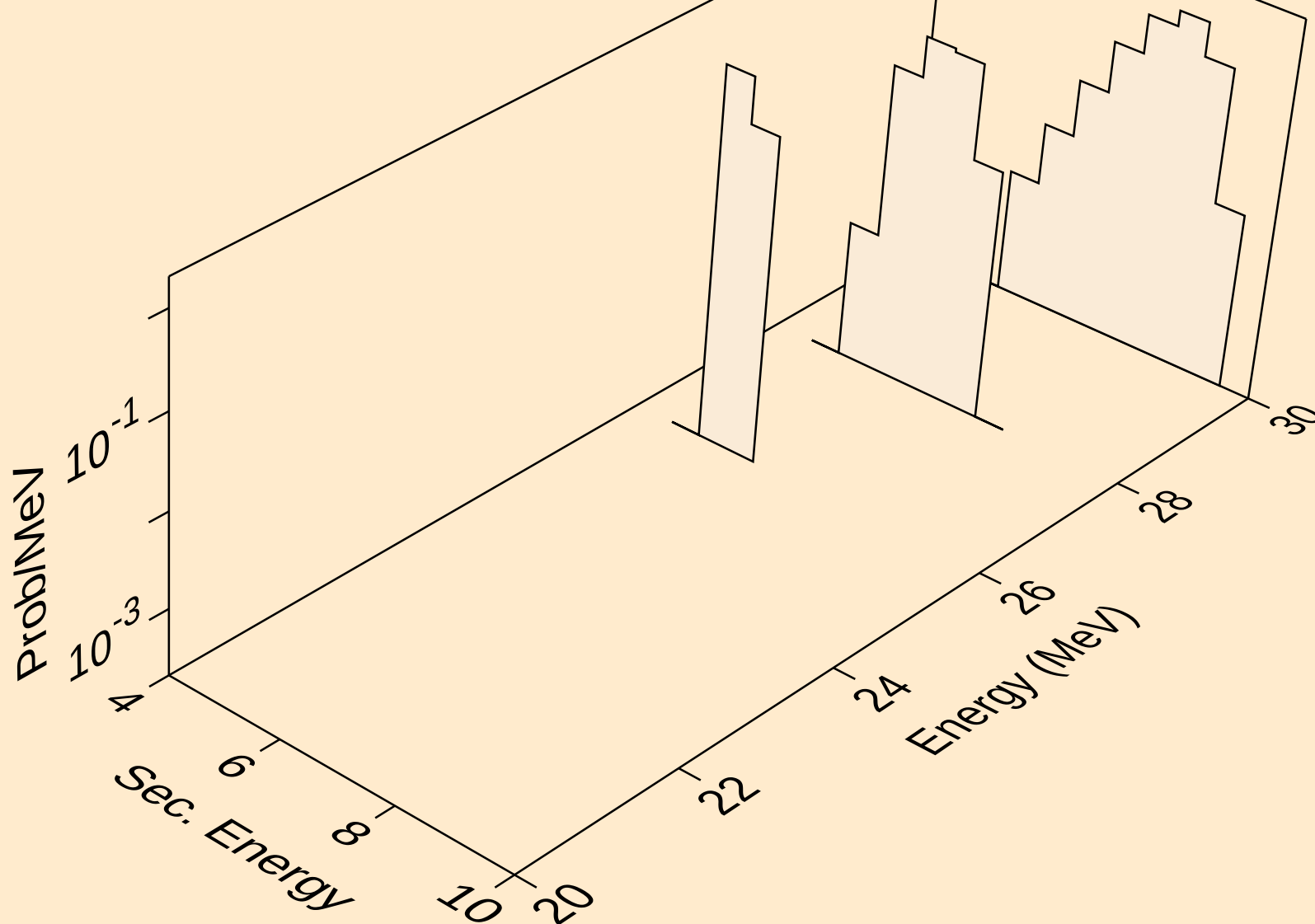


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



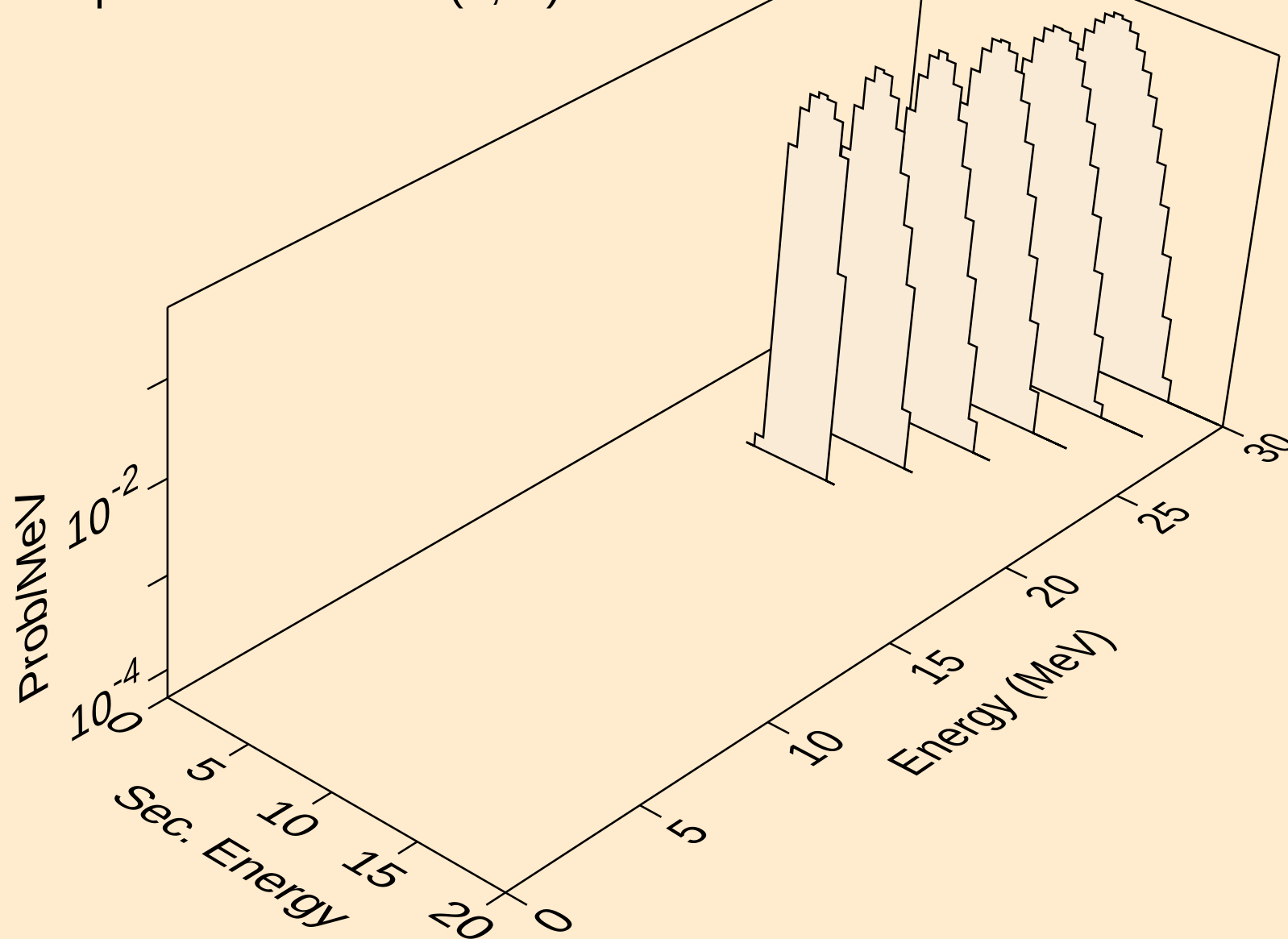
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2n)a



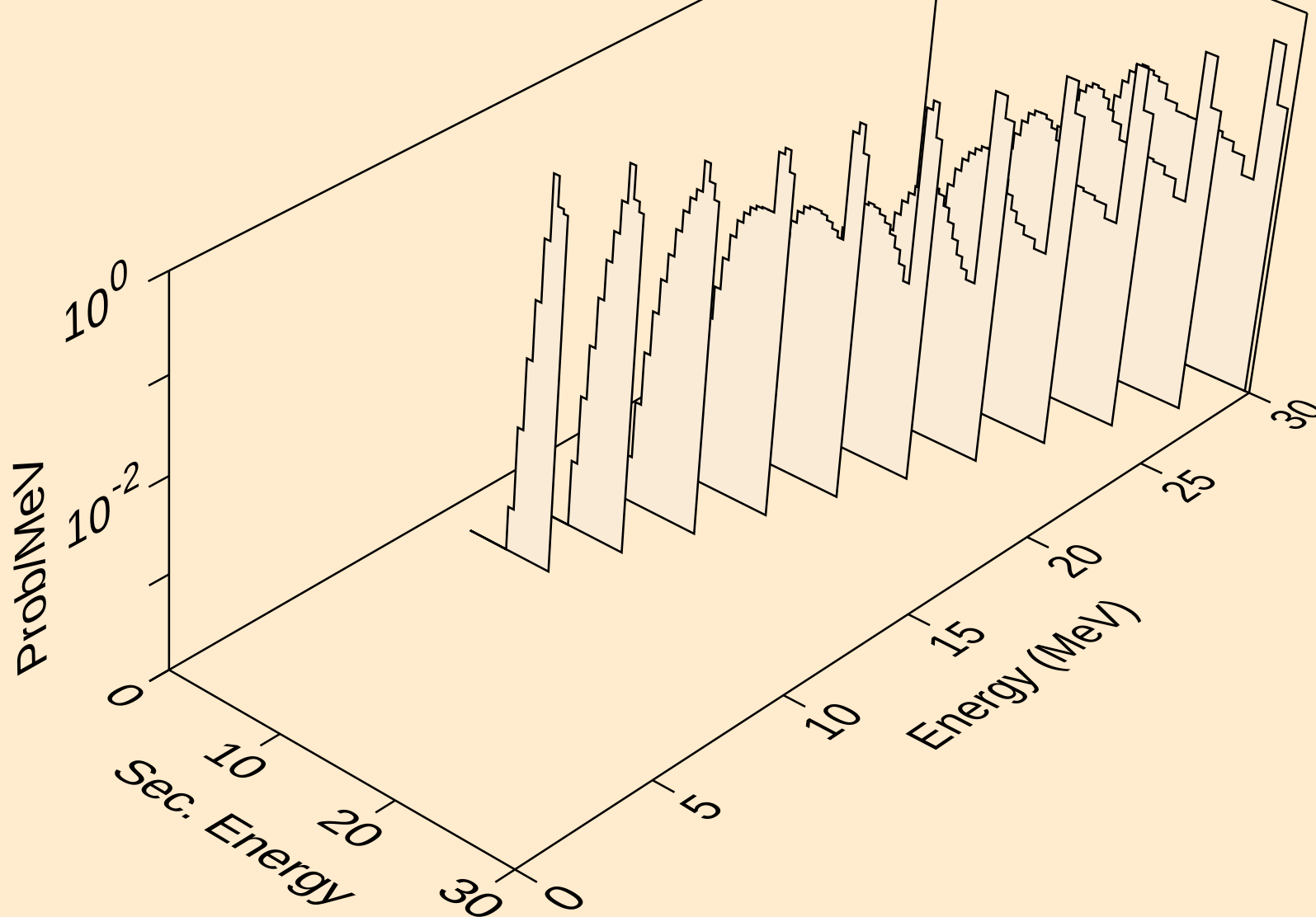
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

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



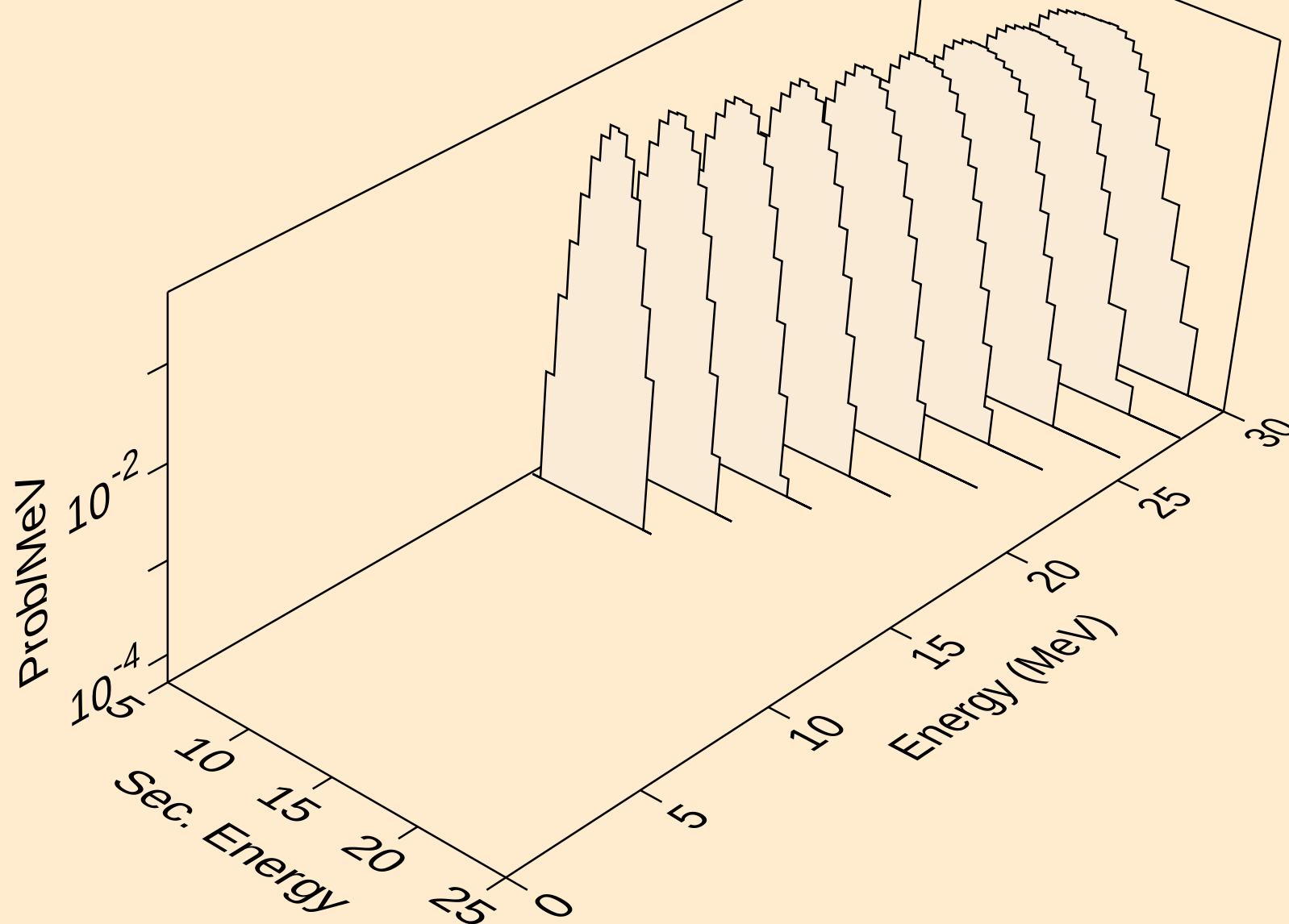
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



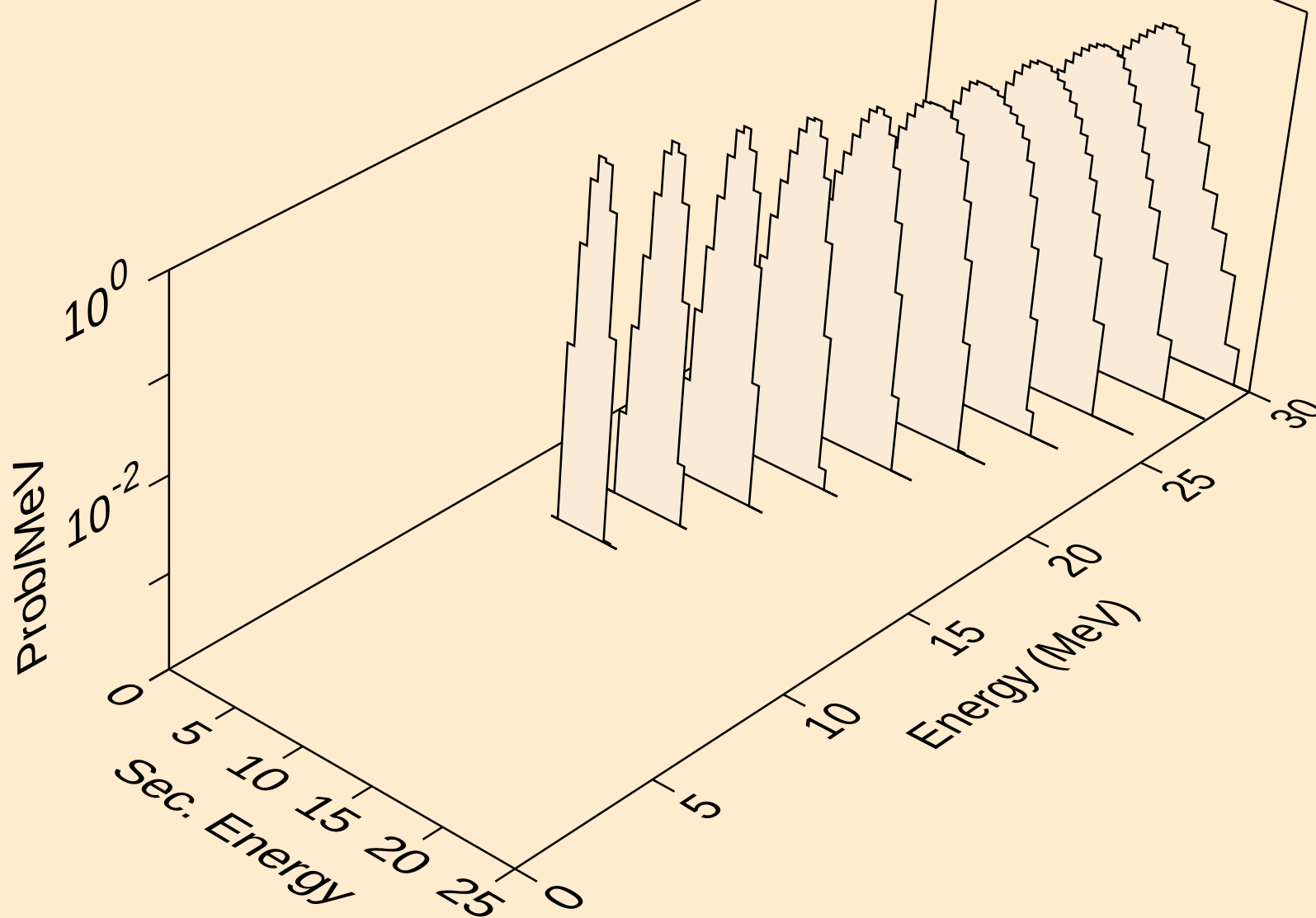
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)

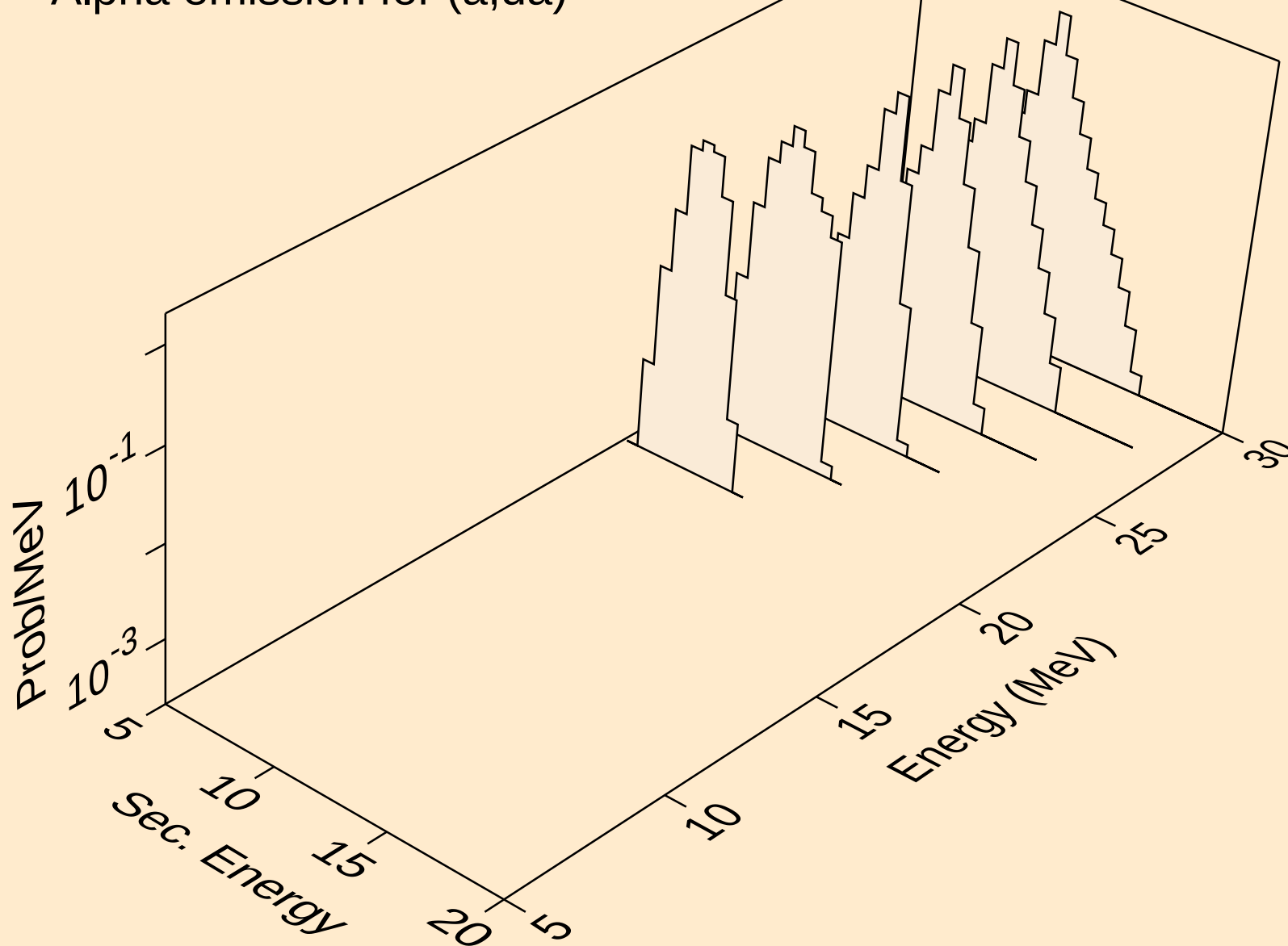


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

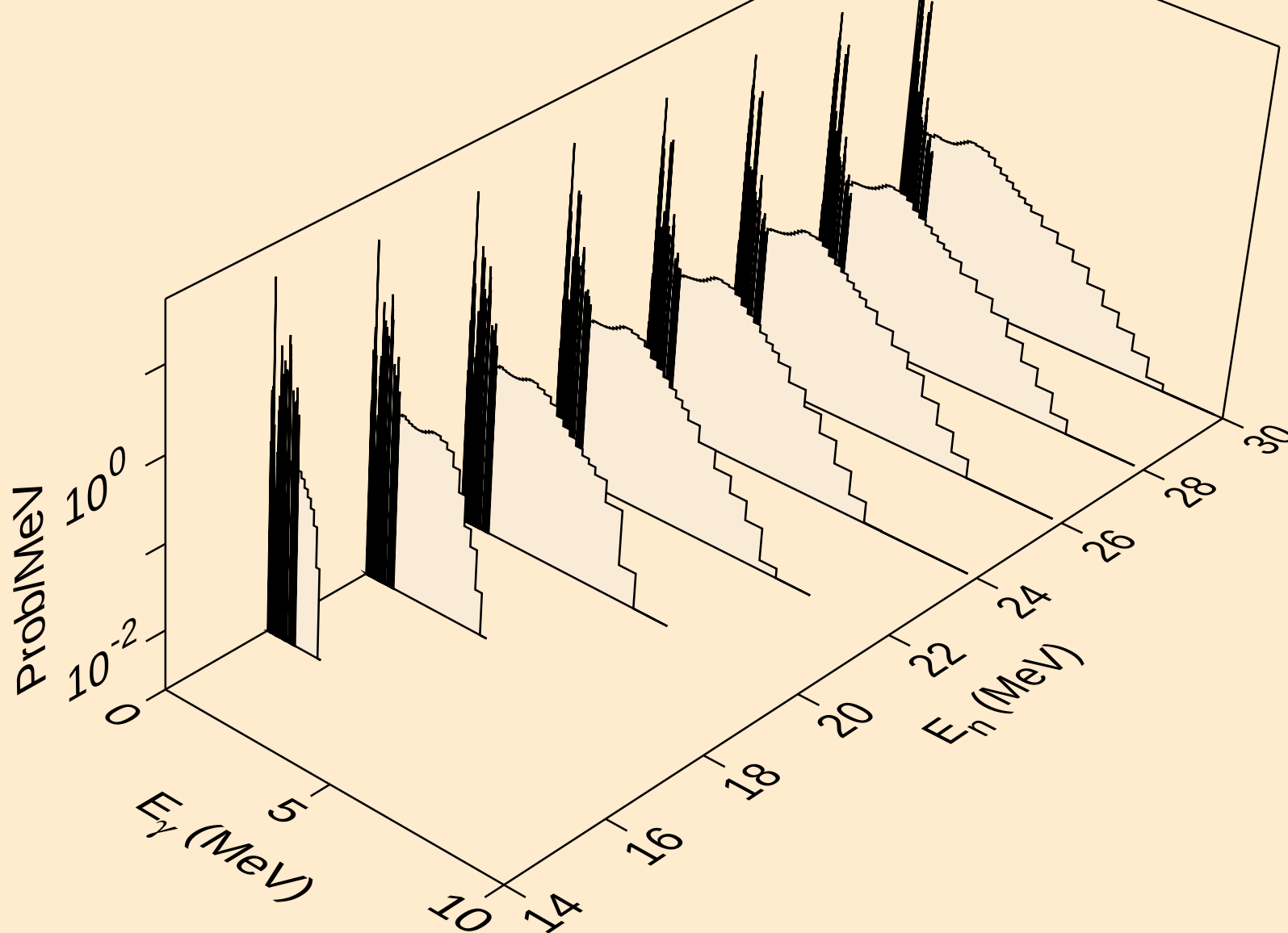
Alpha emission for (a,pa)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,da)

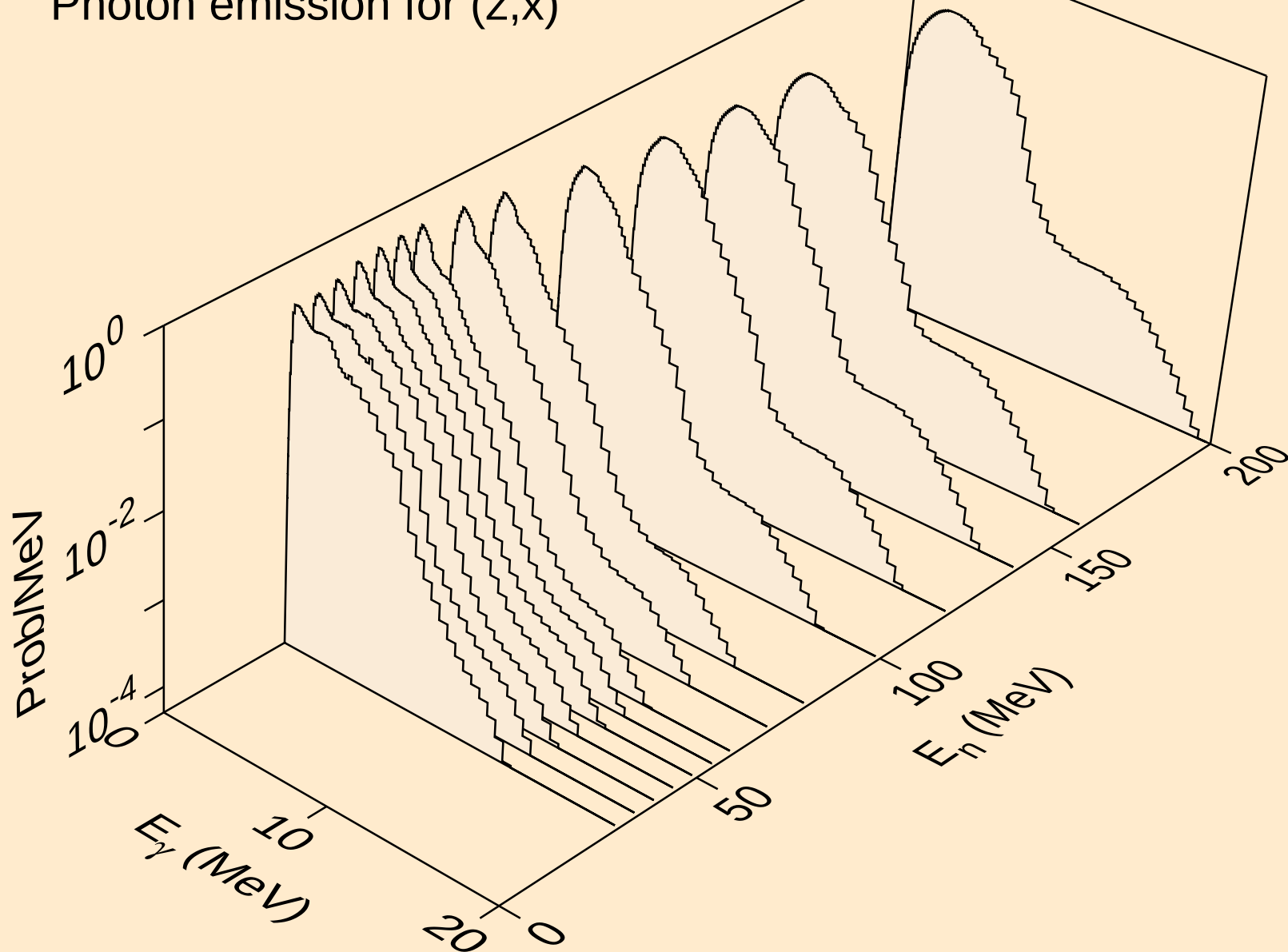


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

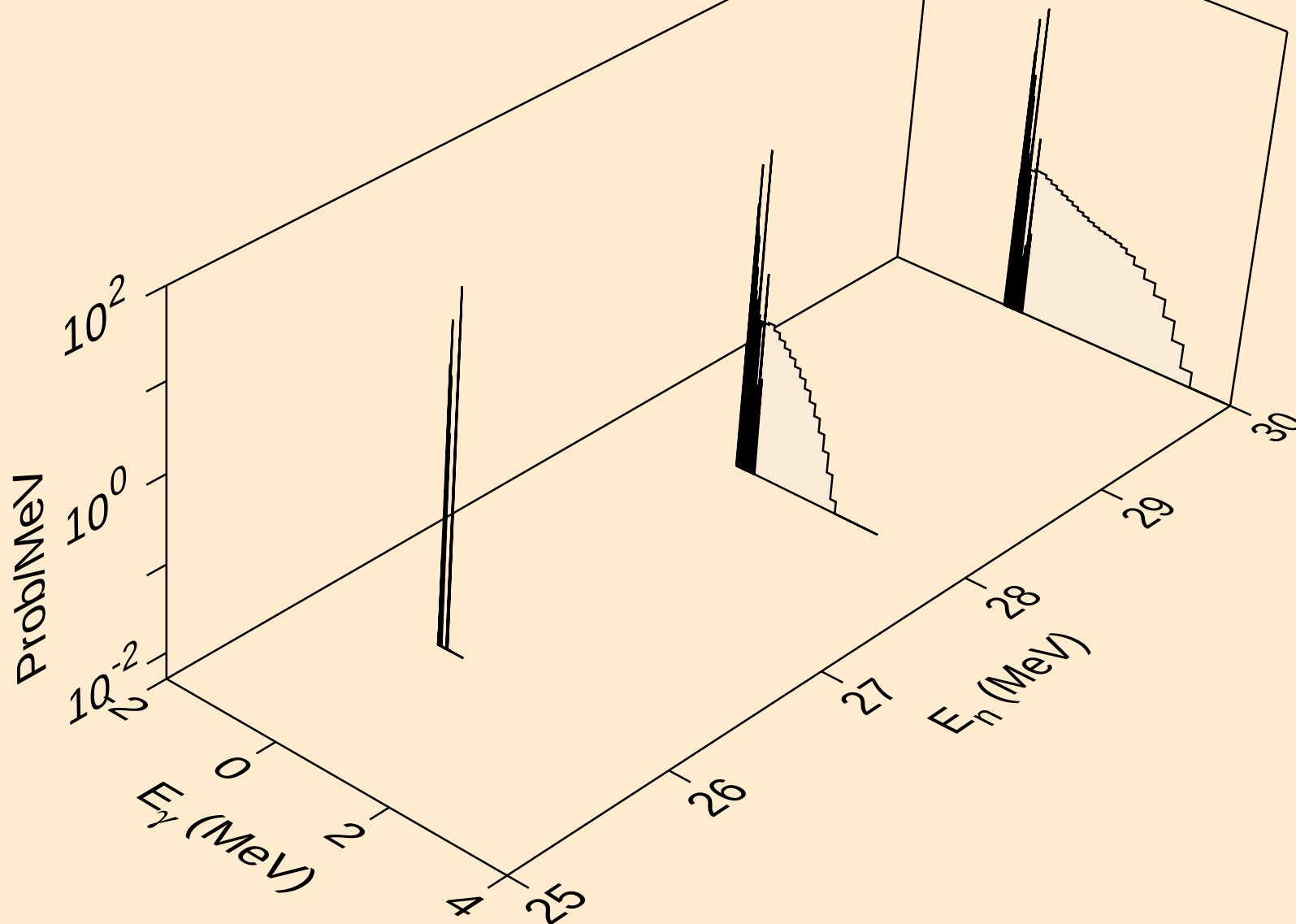


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (z,x)

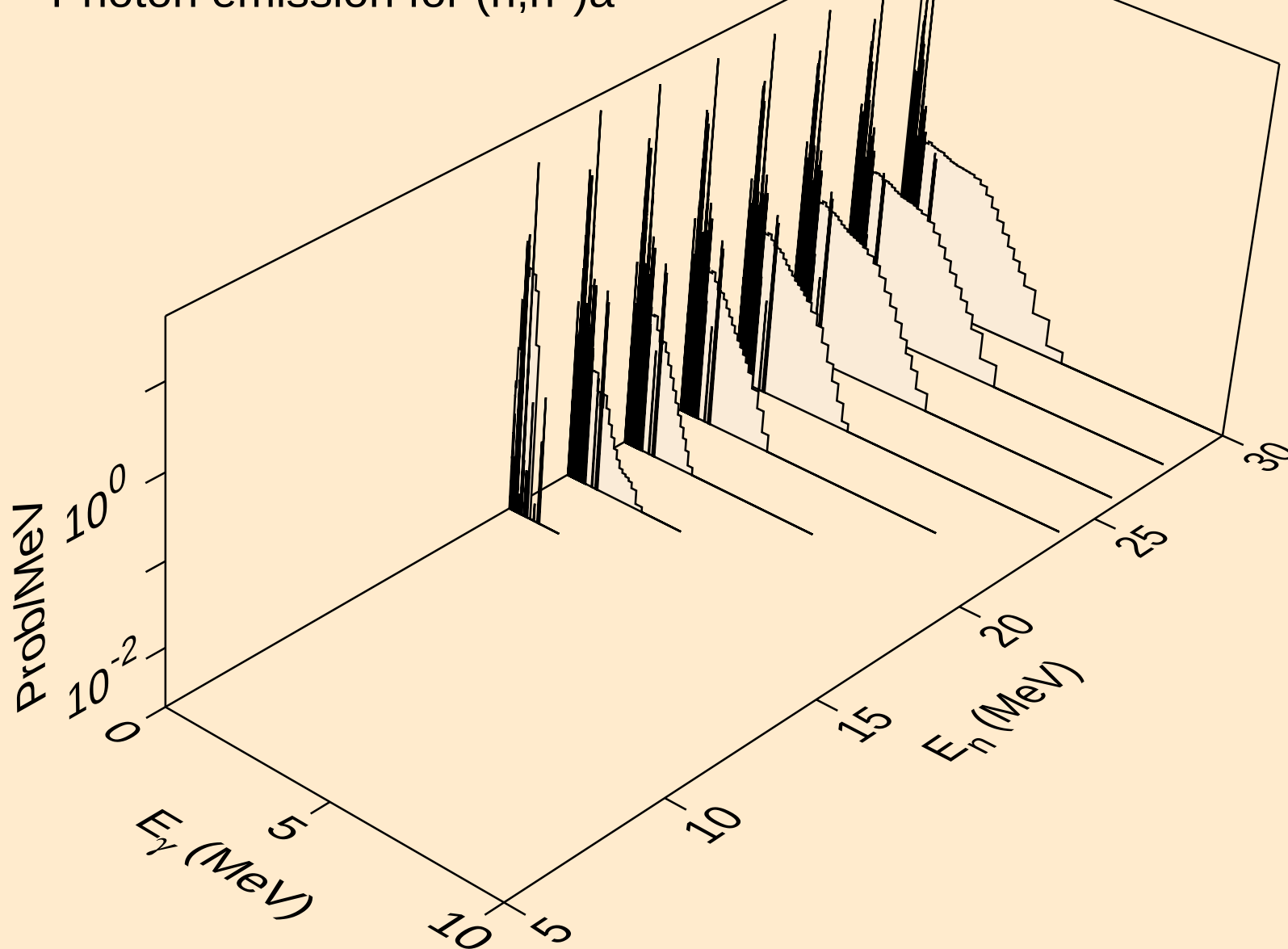


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



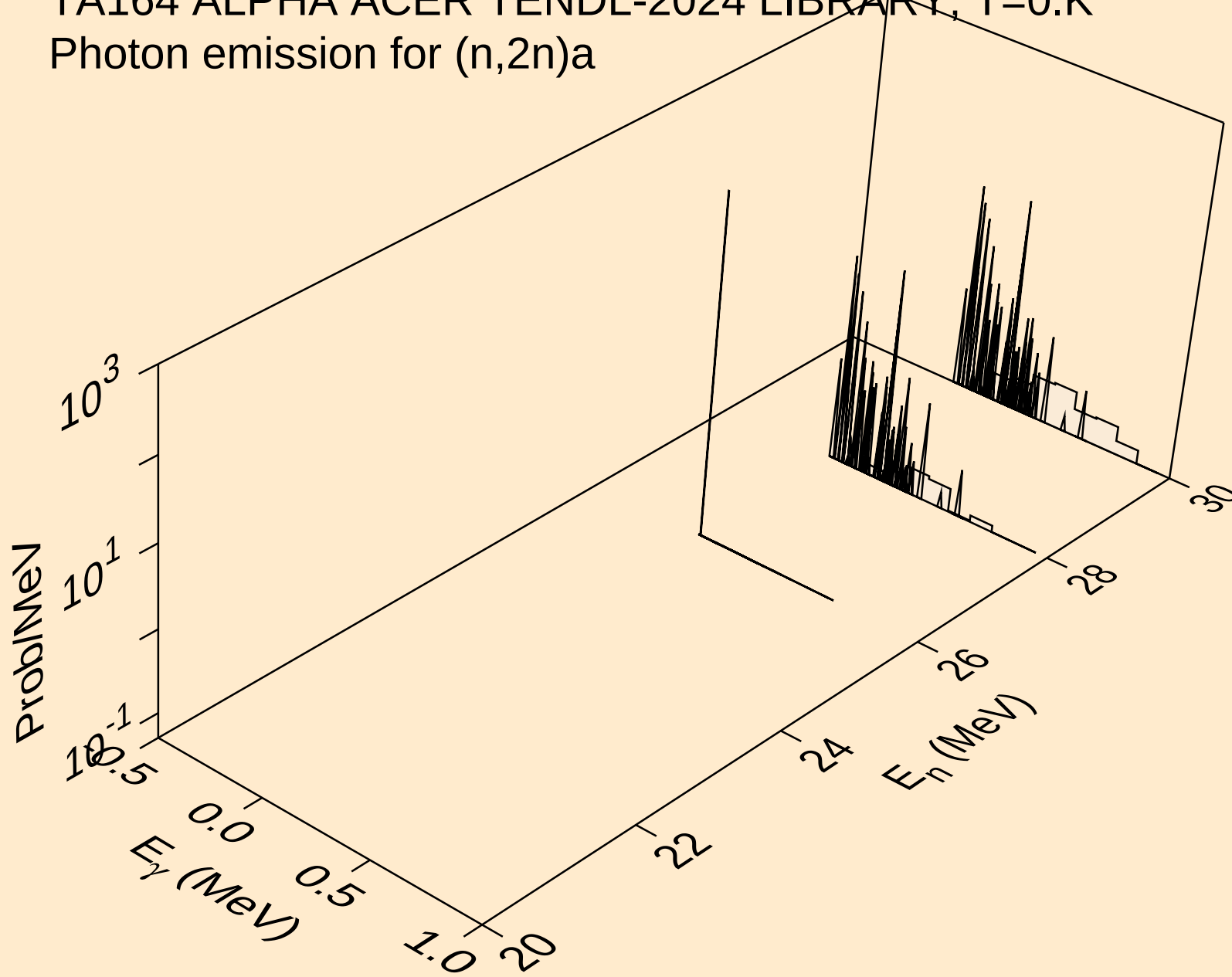
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



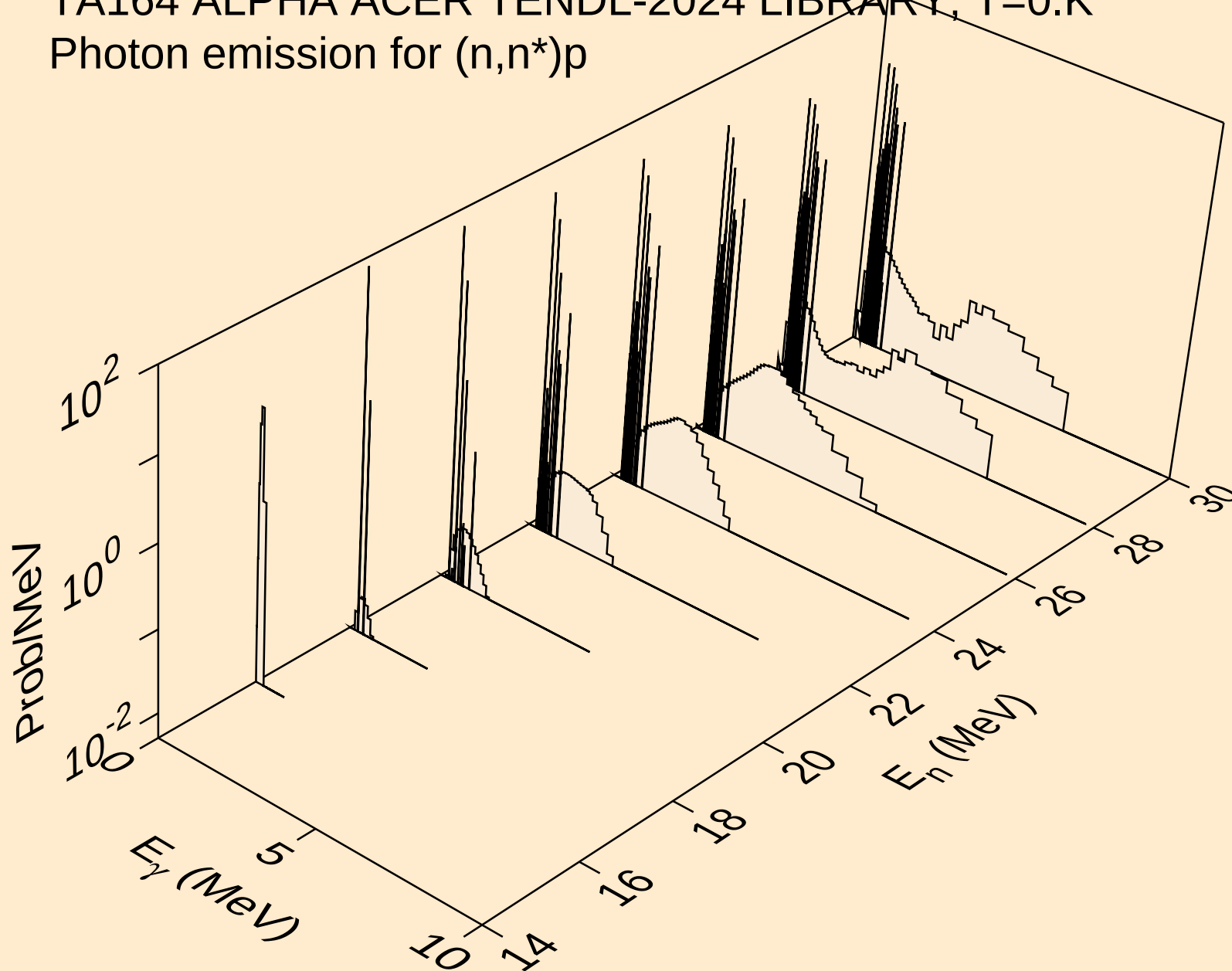
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

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



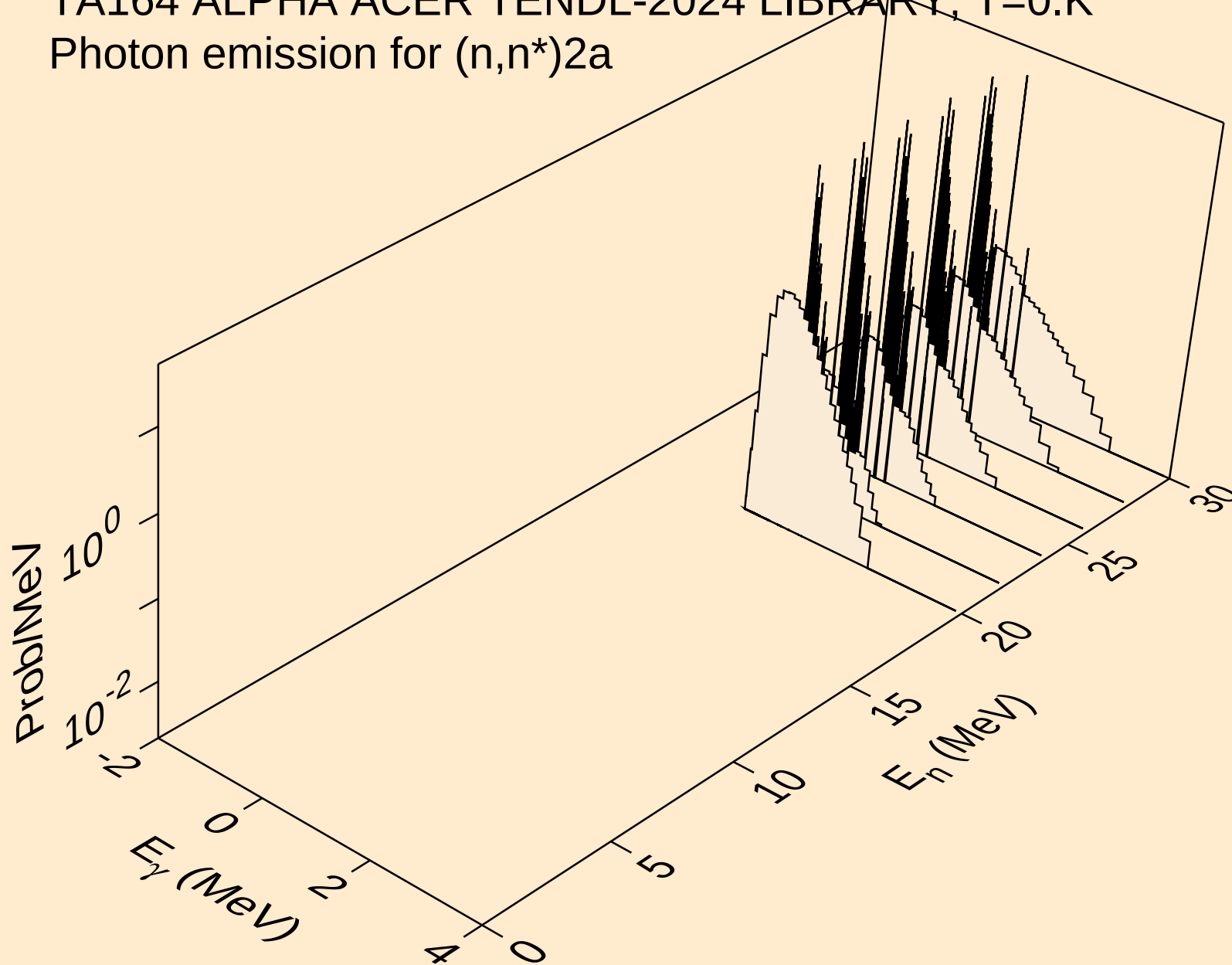
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



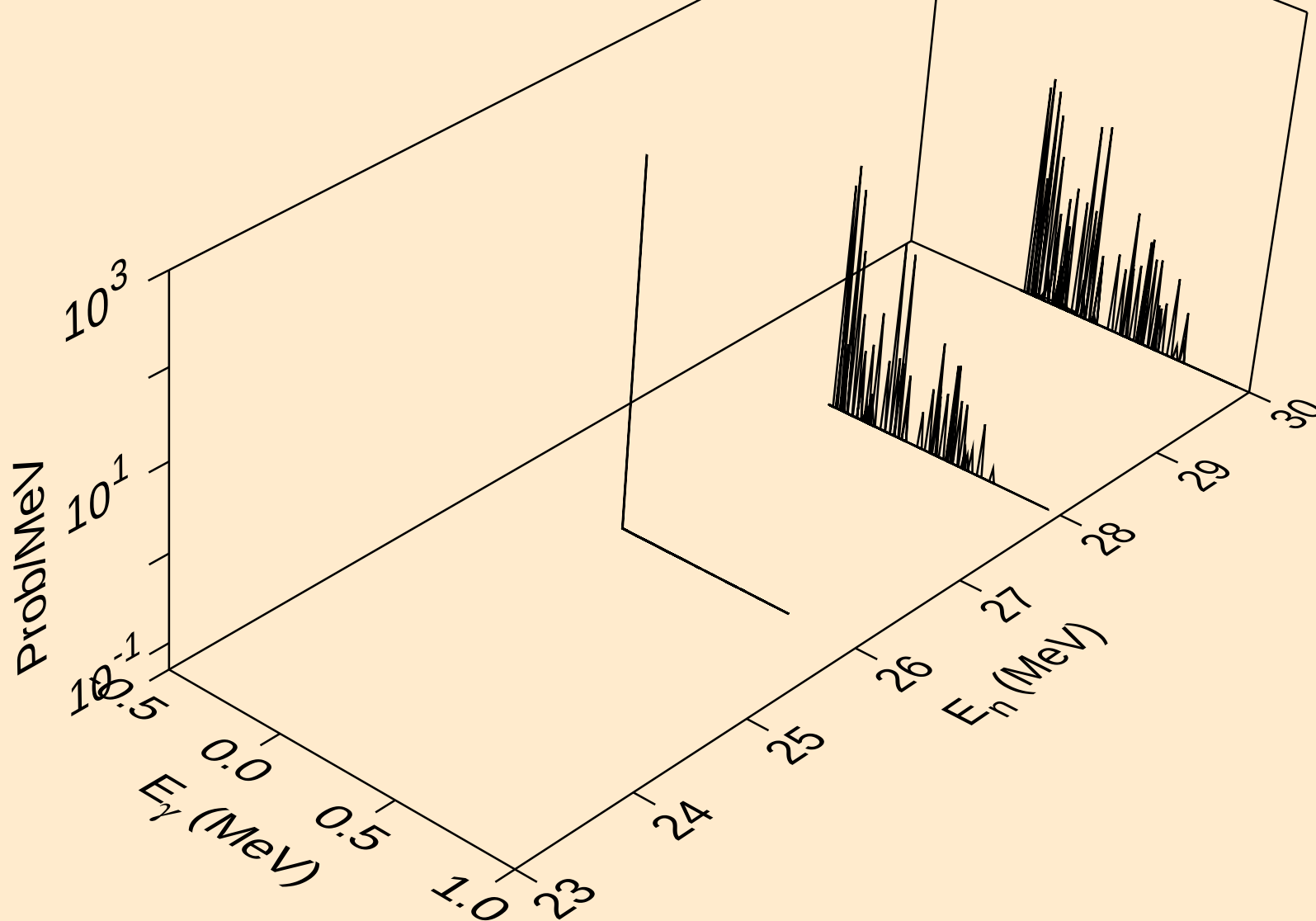
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

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

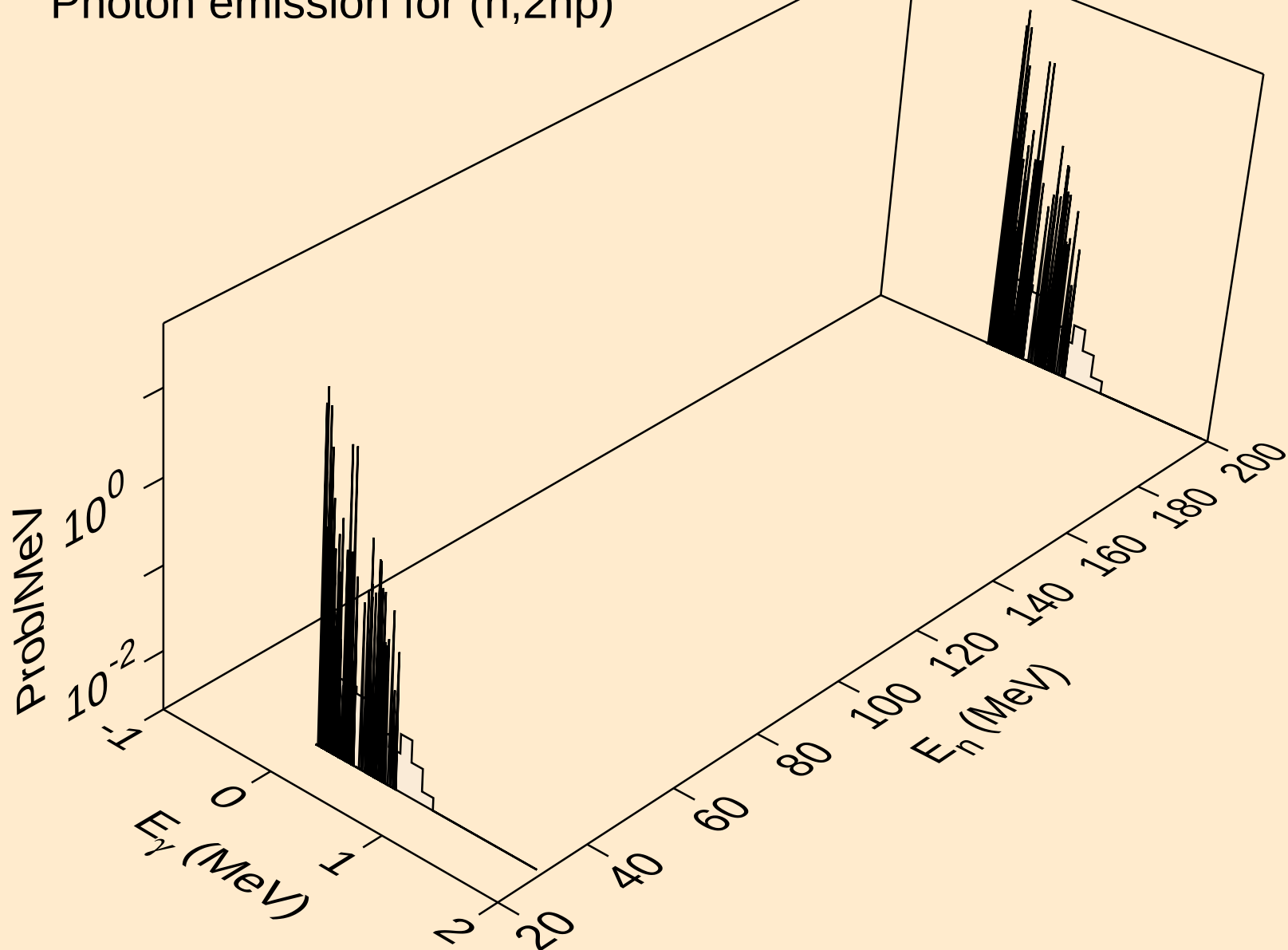


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

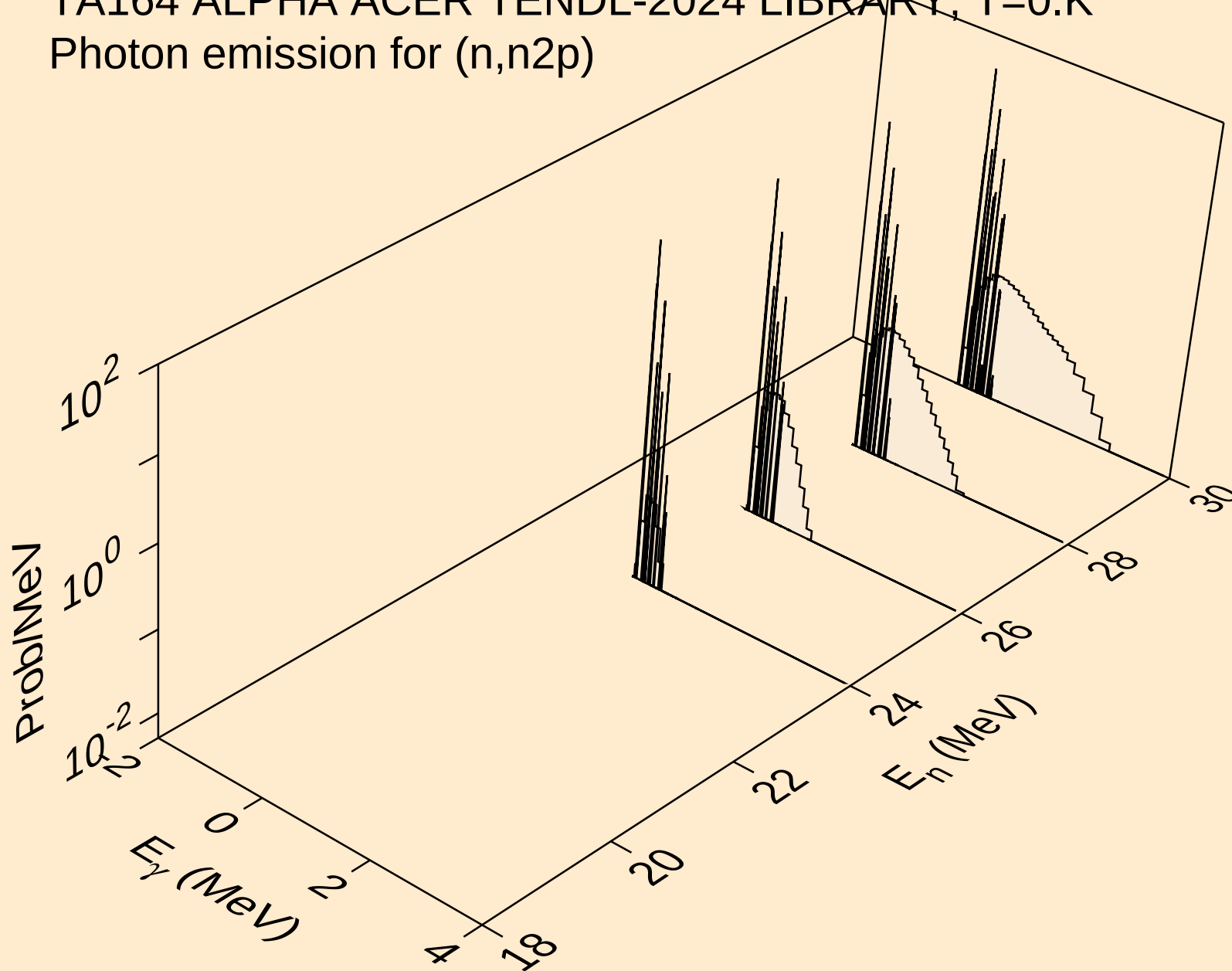
Photon emission for (n,n\*)d



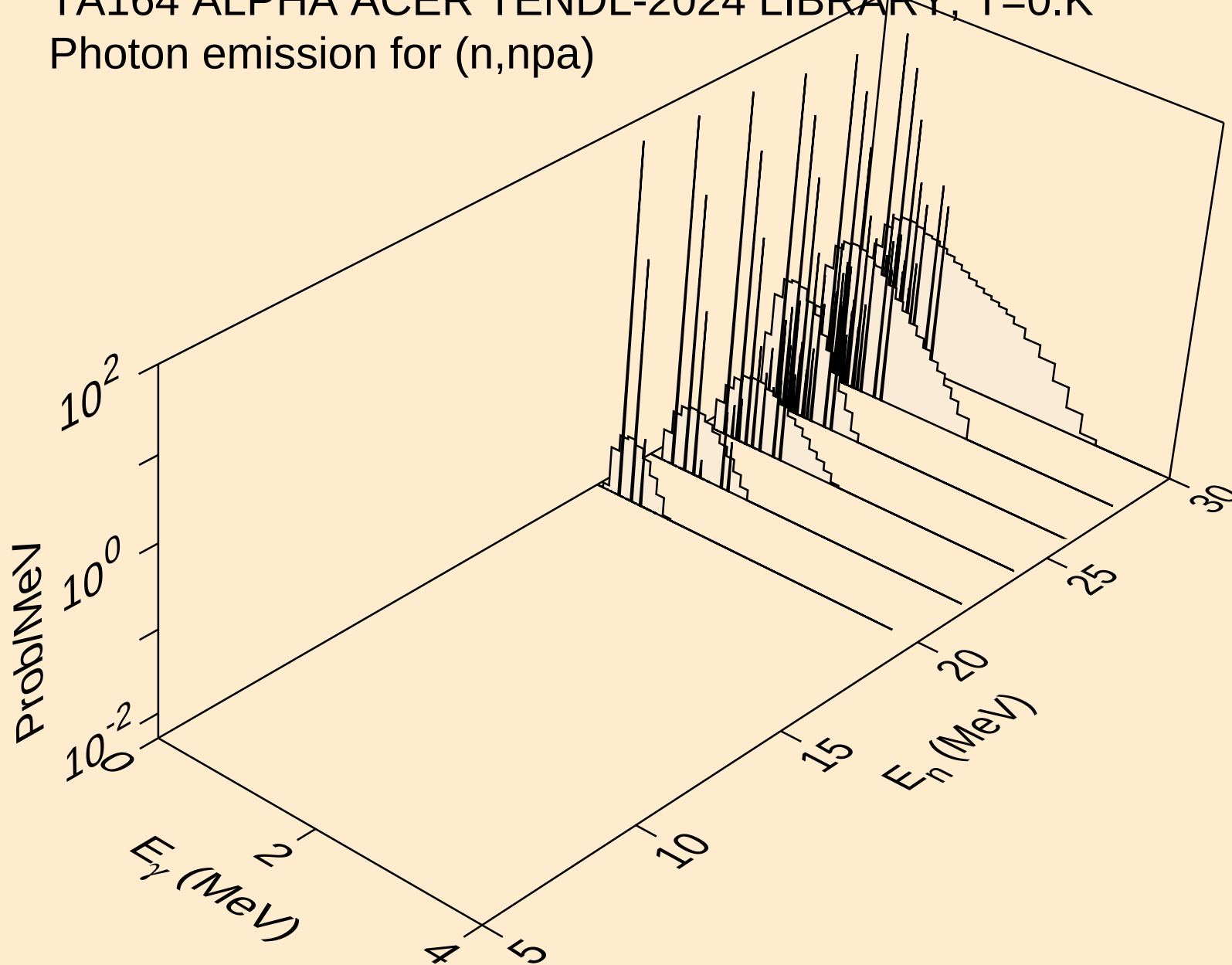
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



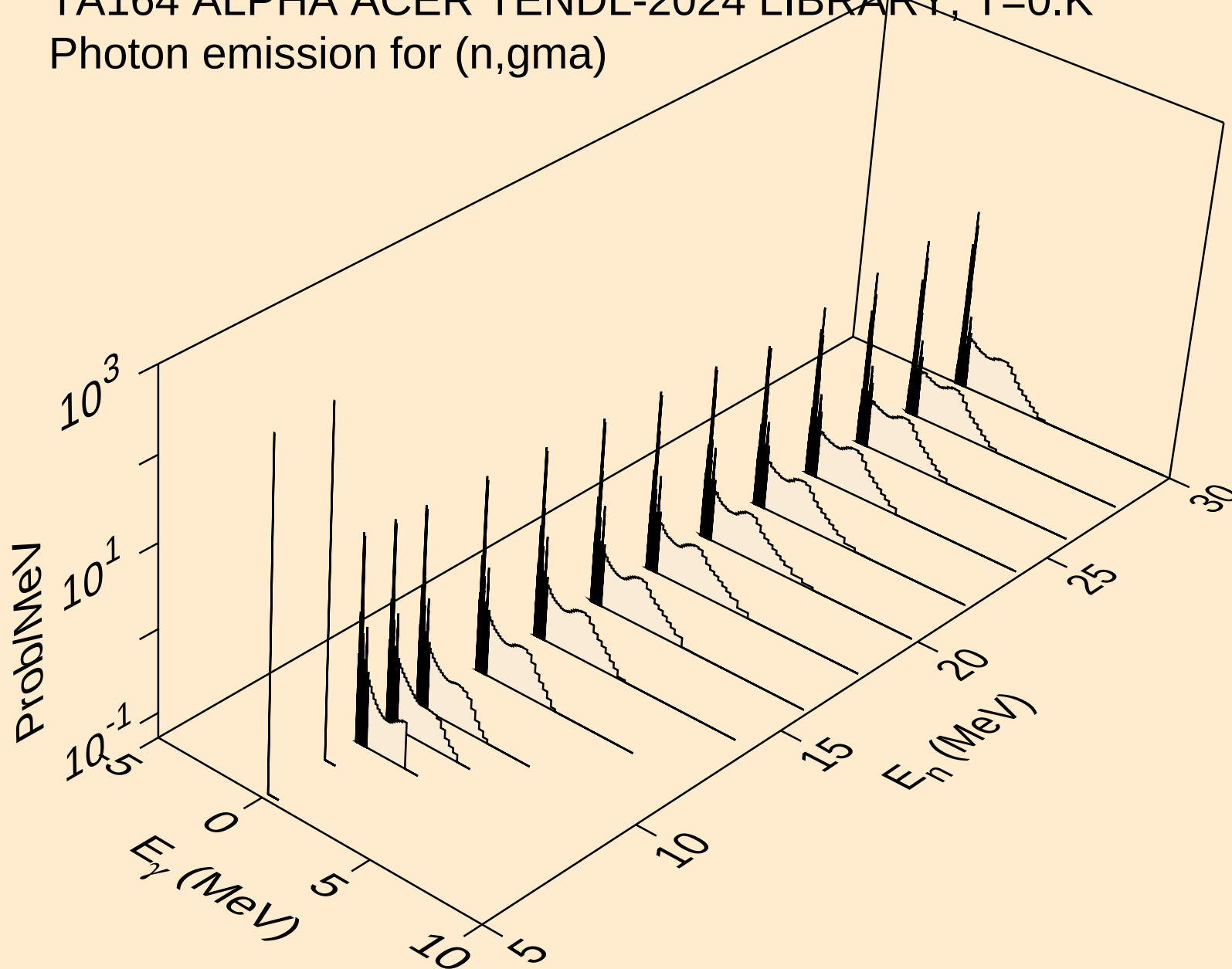
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



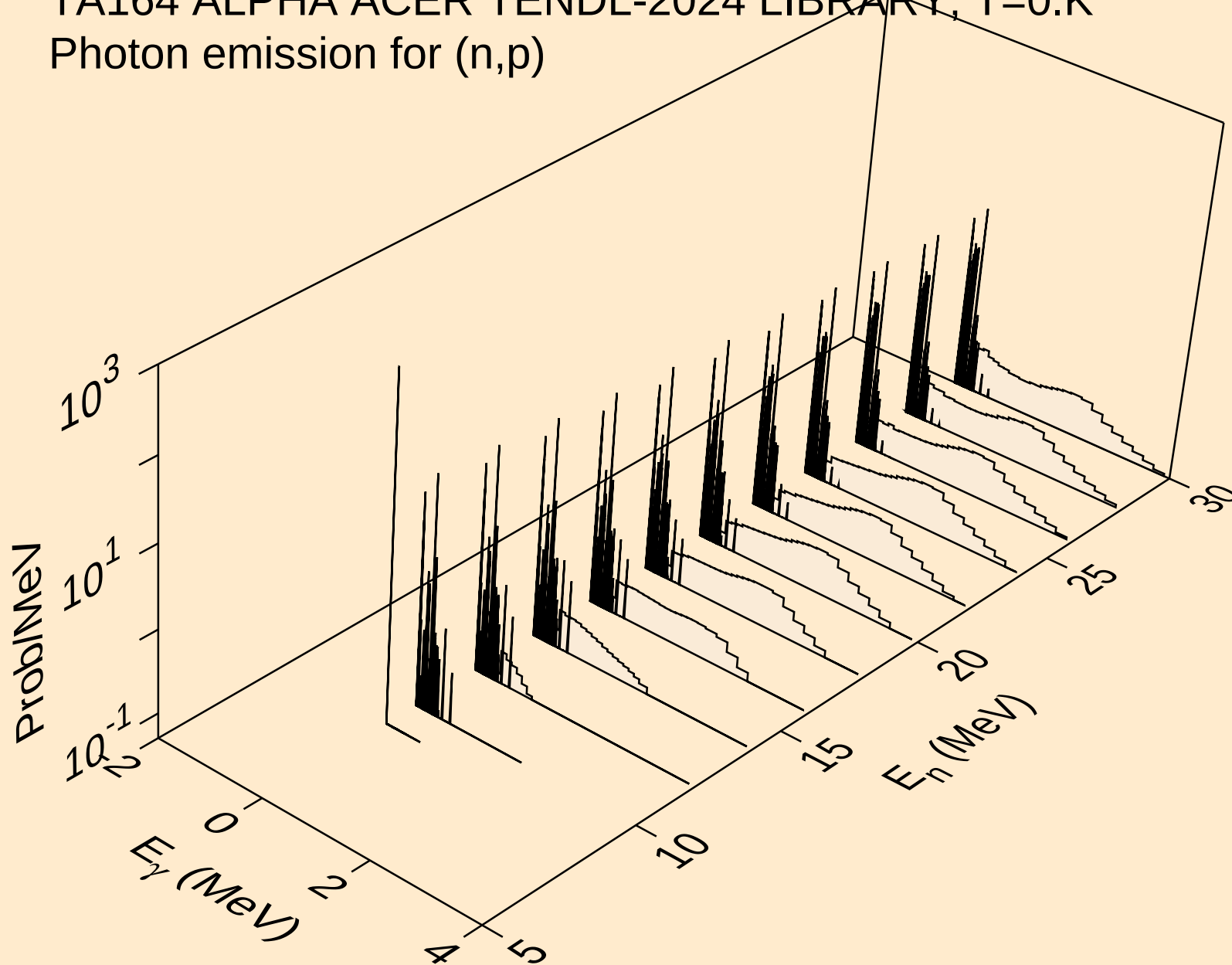
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



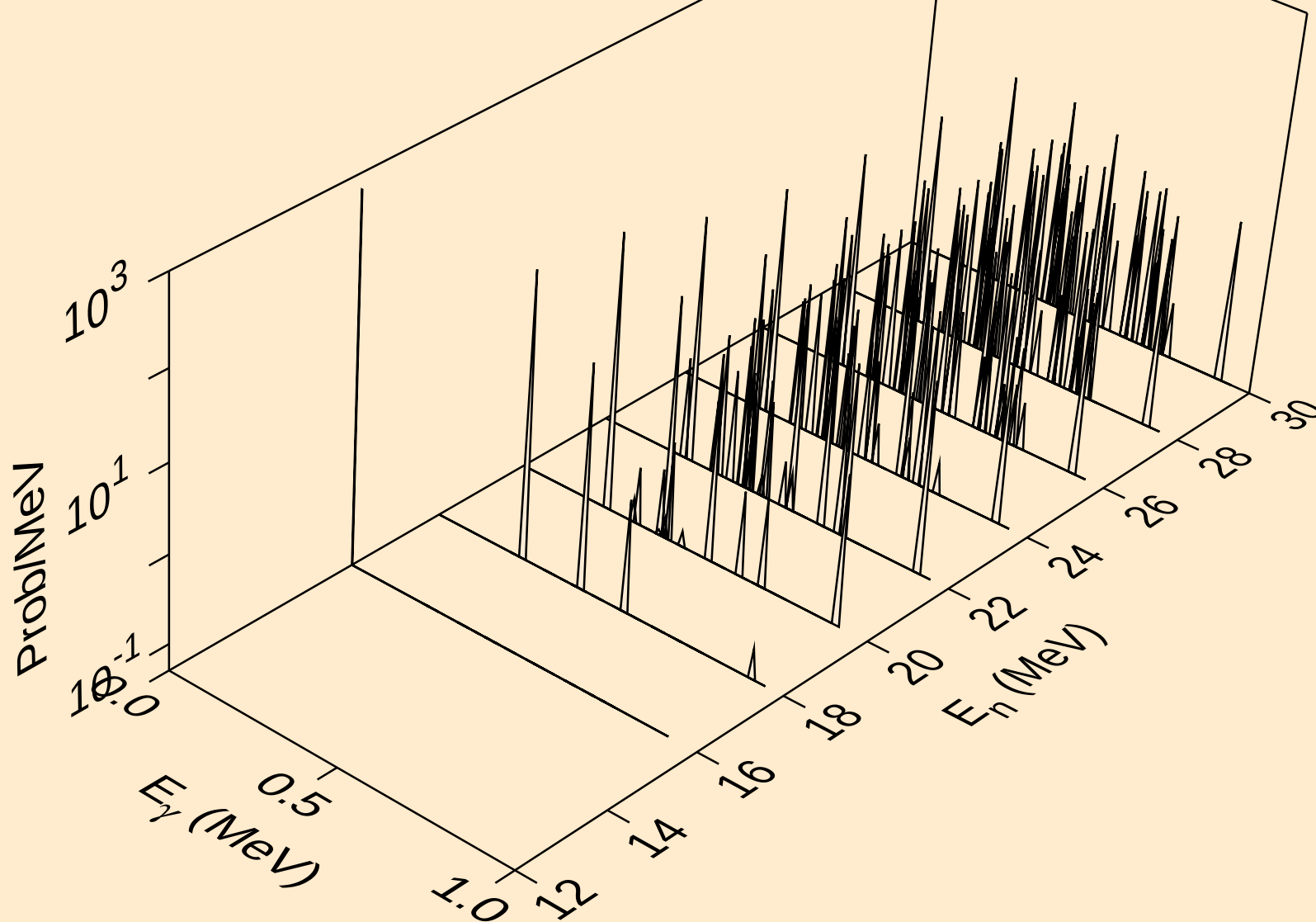
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

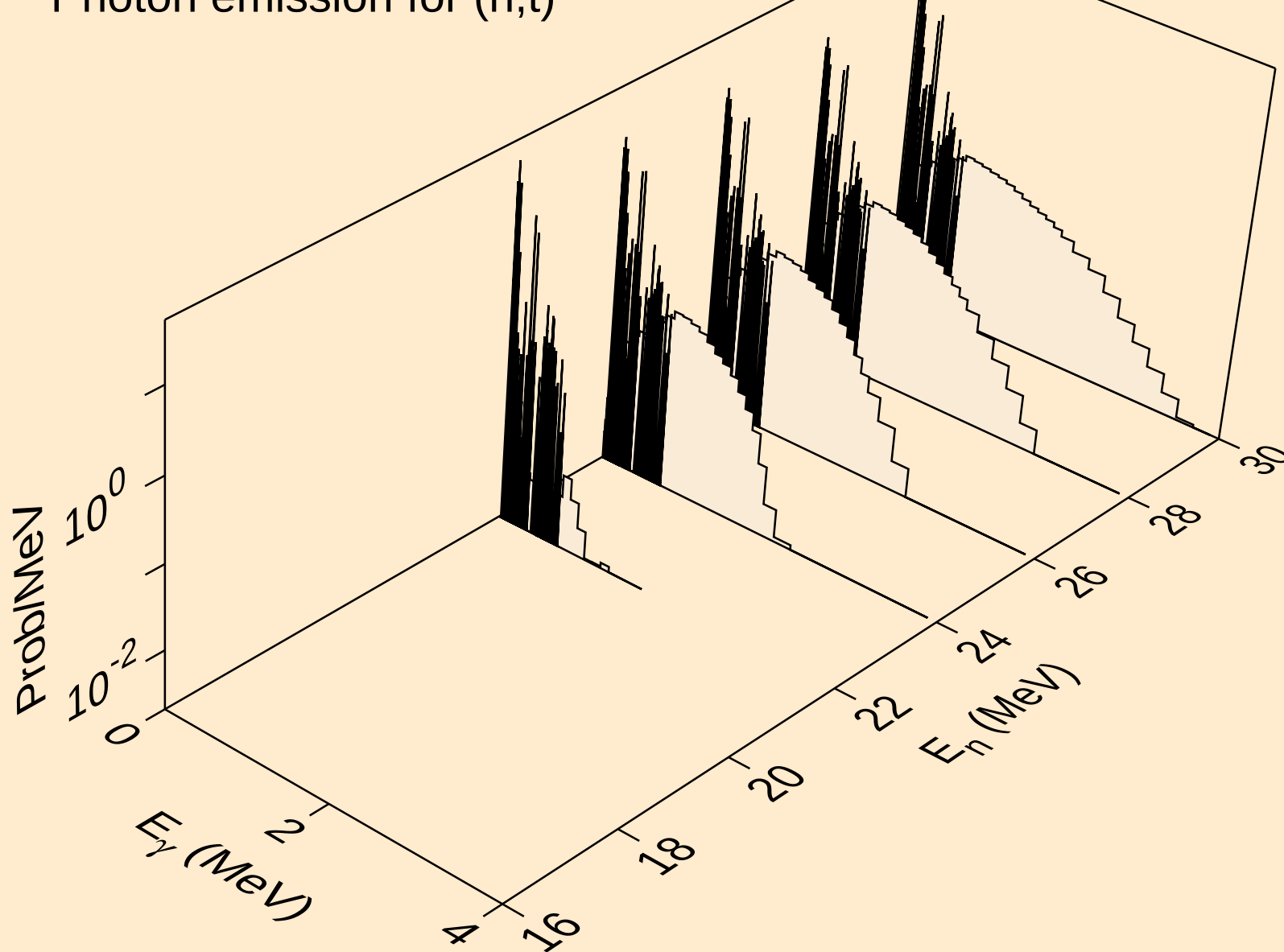


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Photon emission for (n,d)

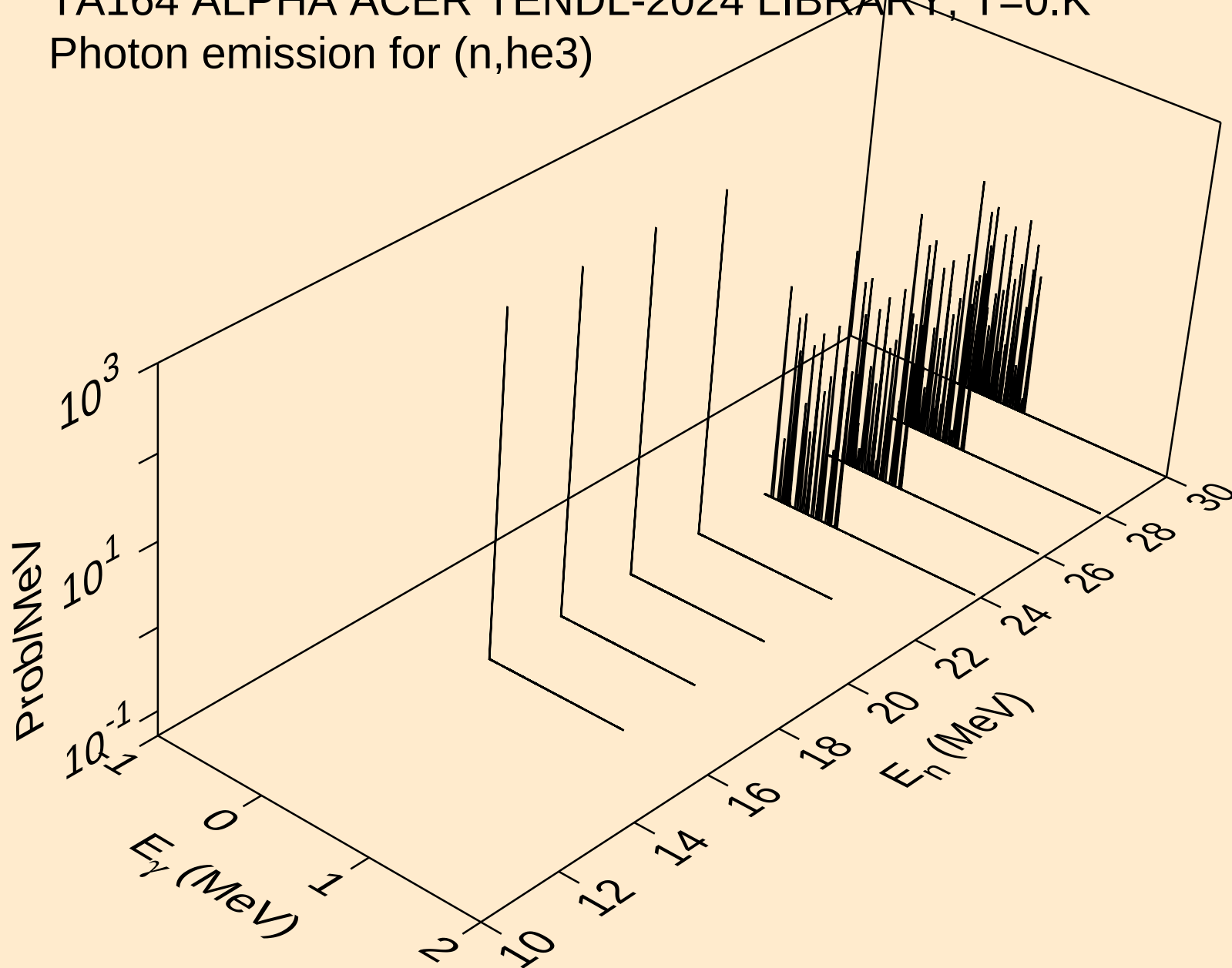


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

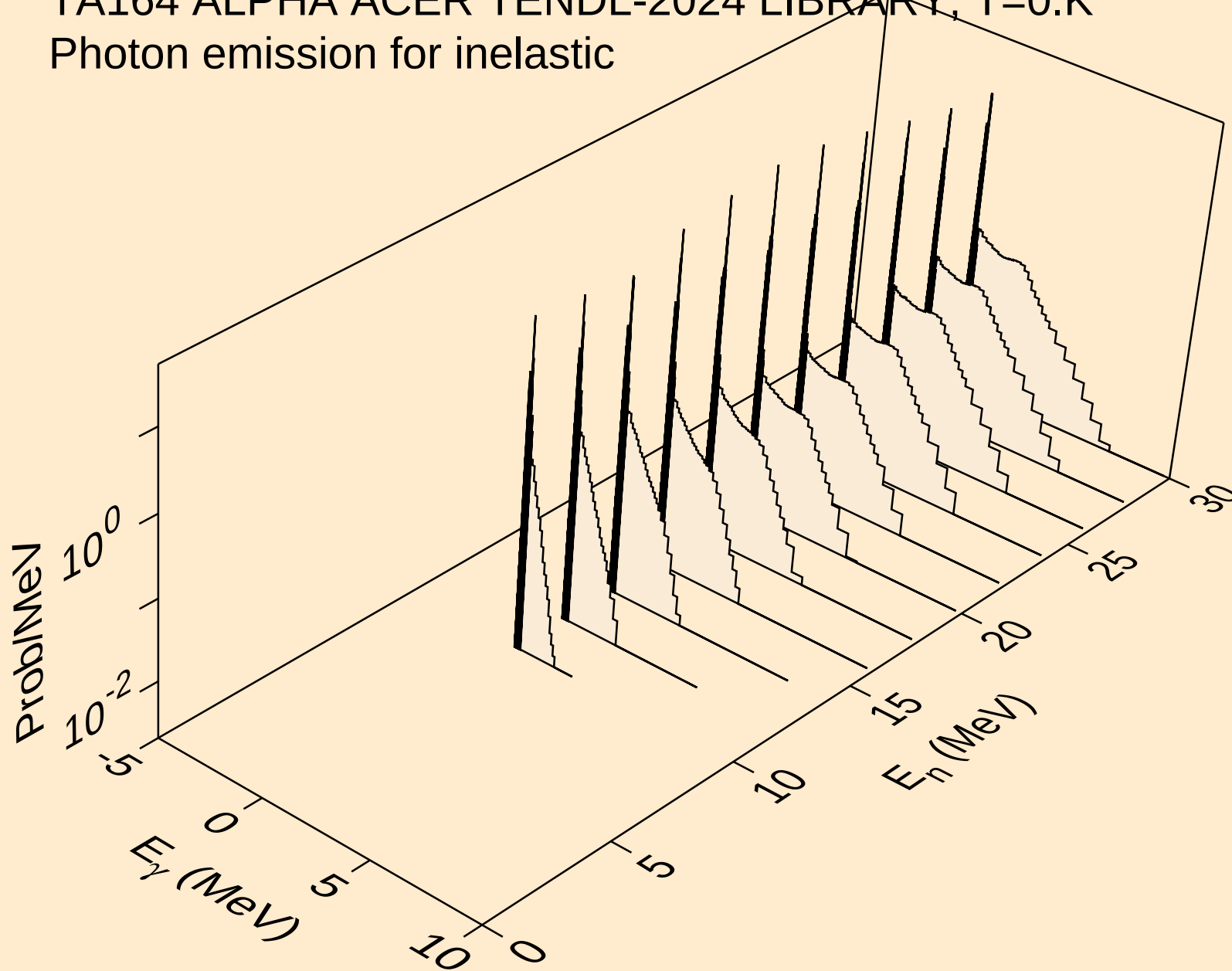
Photon emission for (n,t)



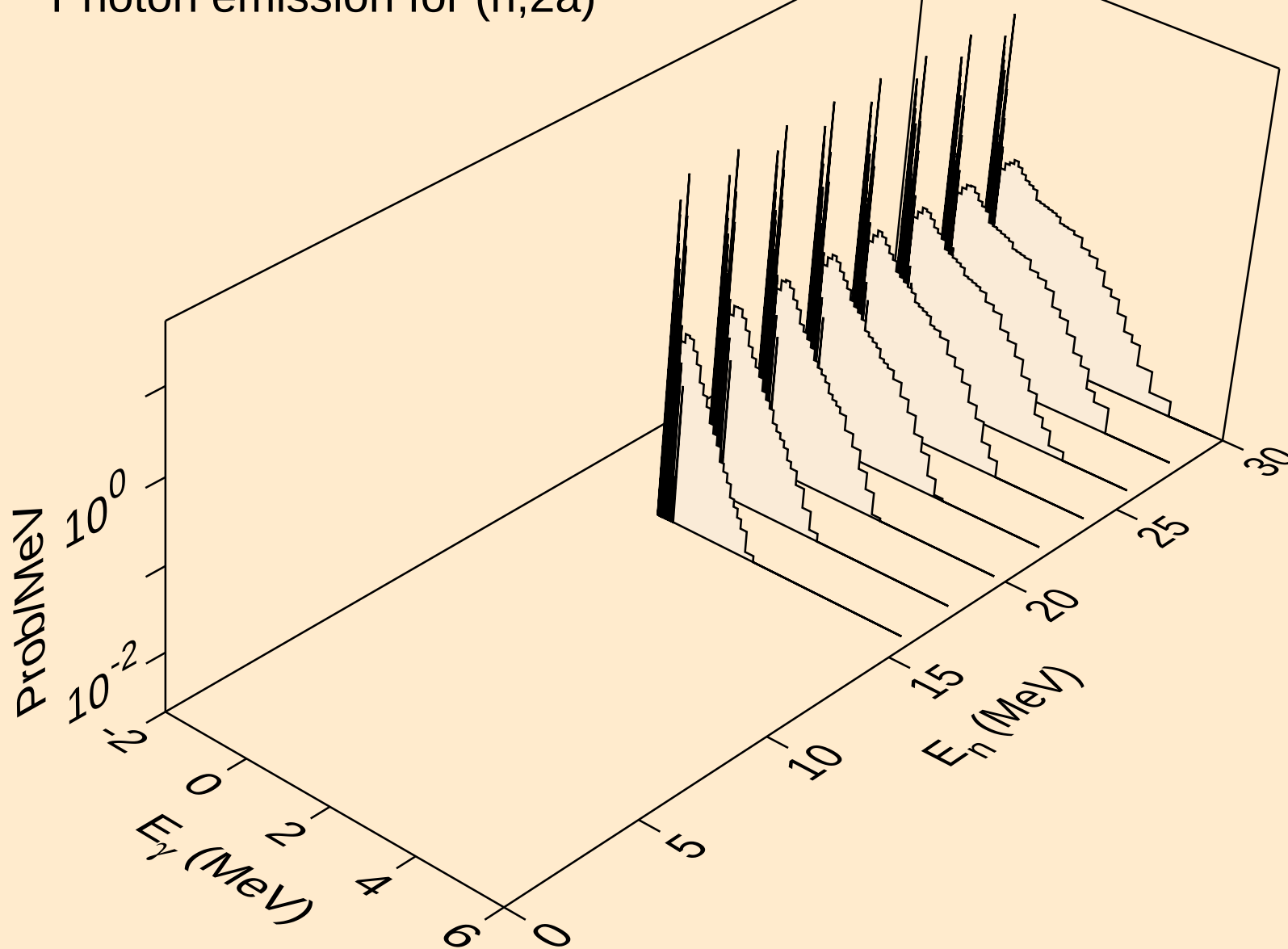
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



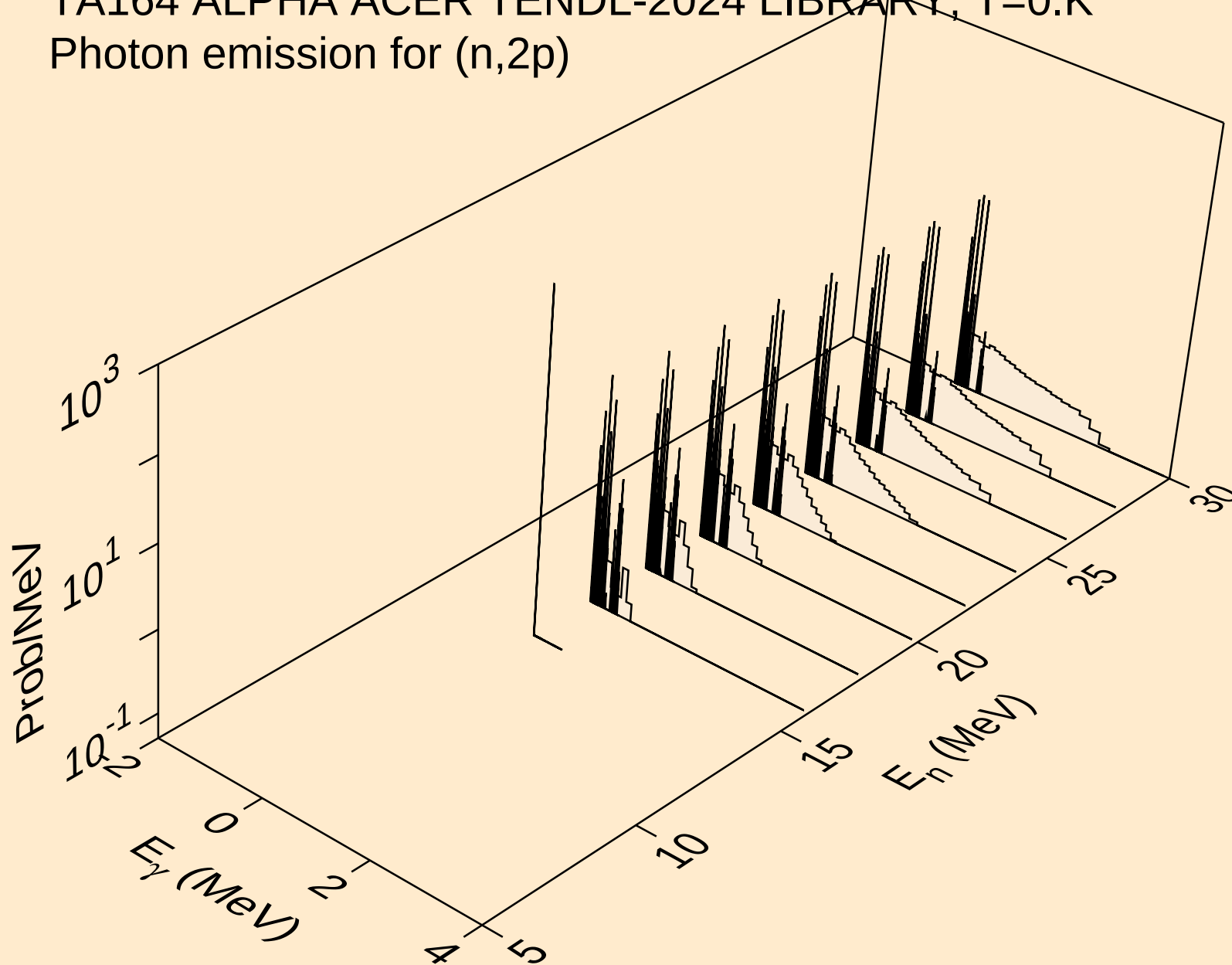
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



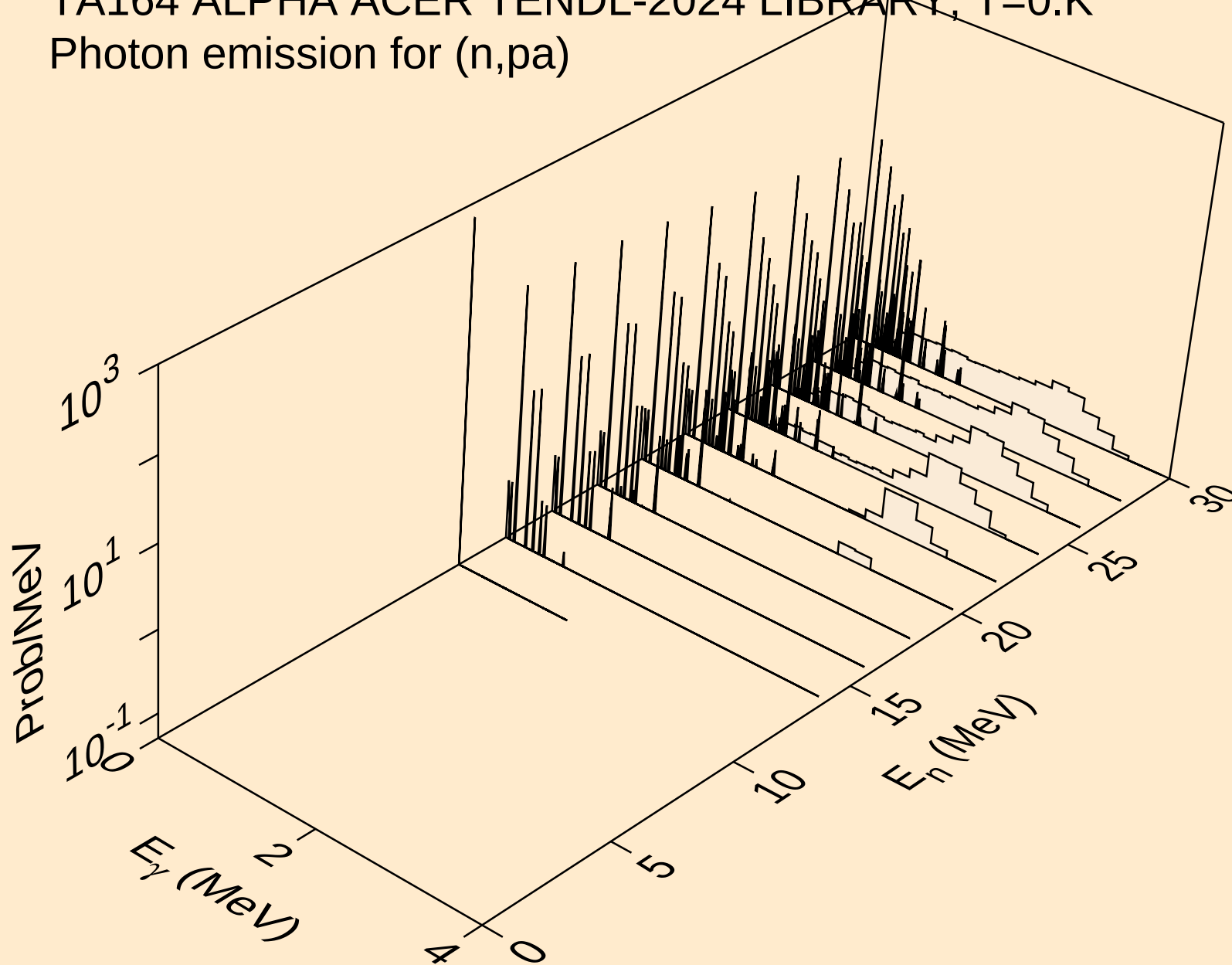
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

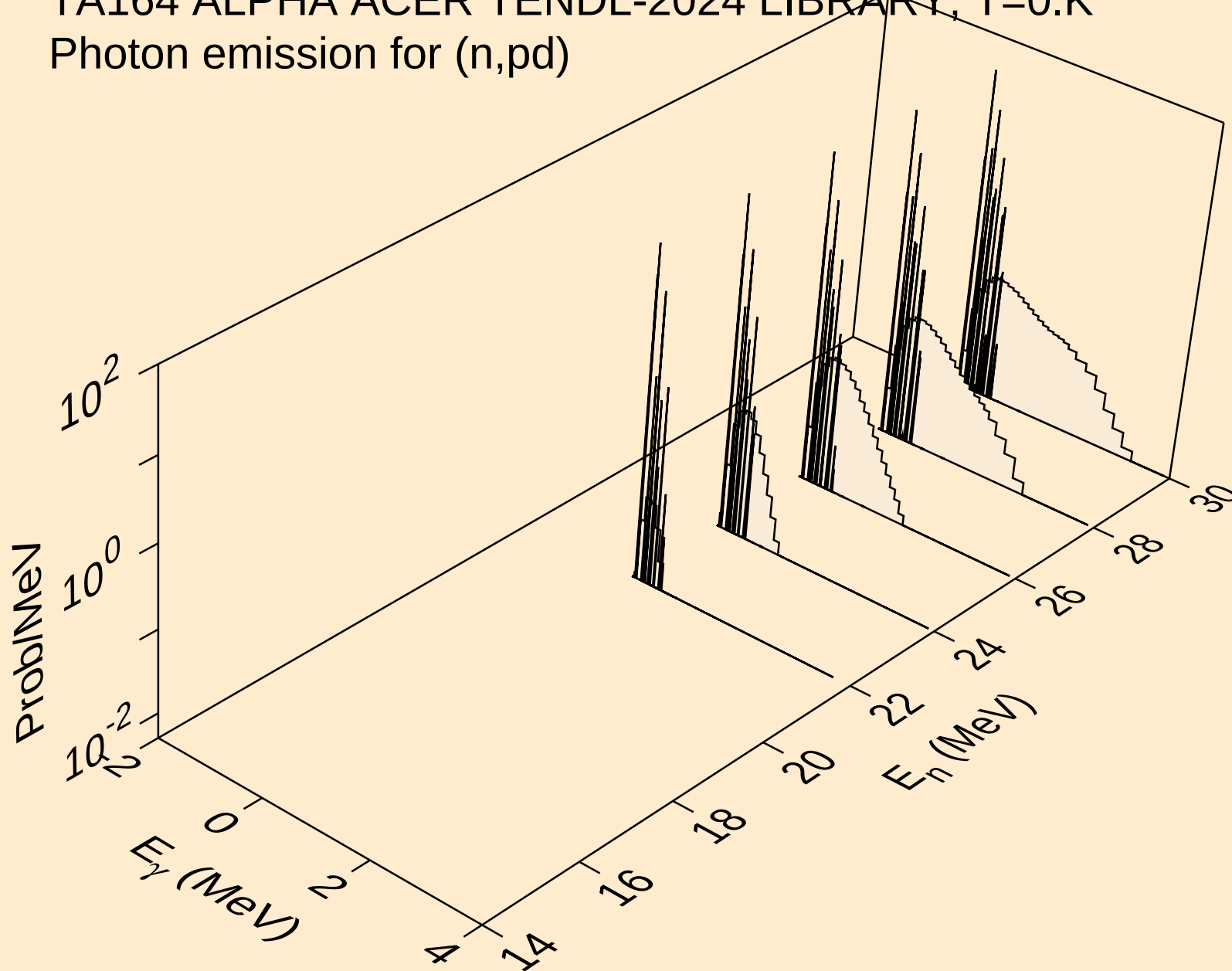


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

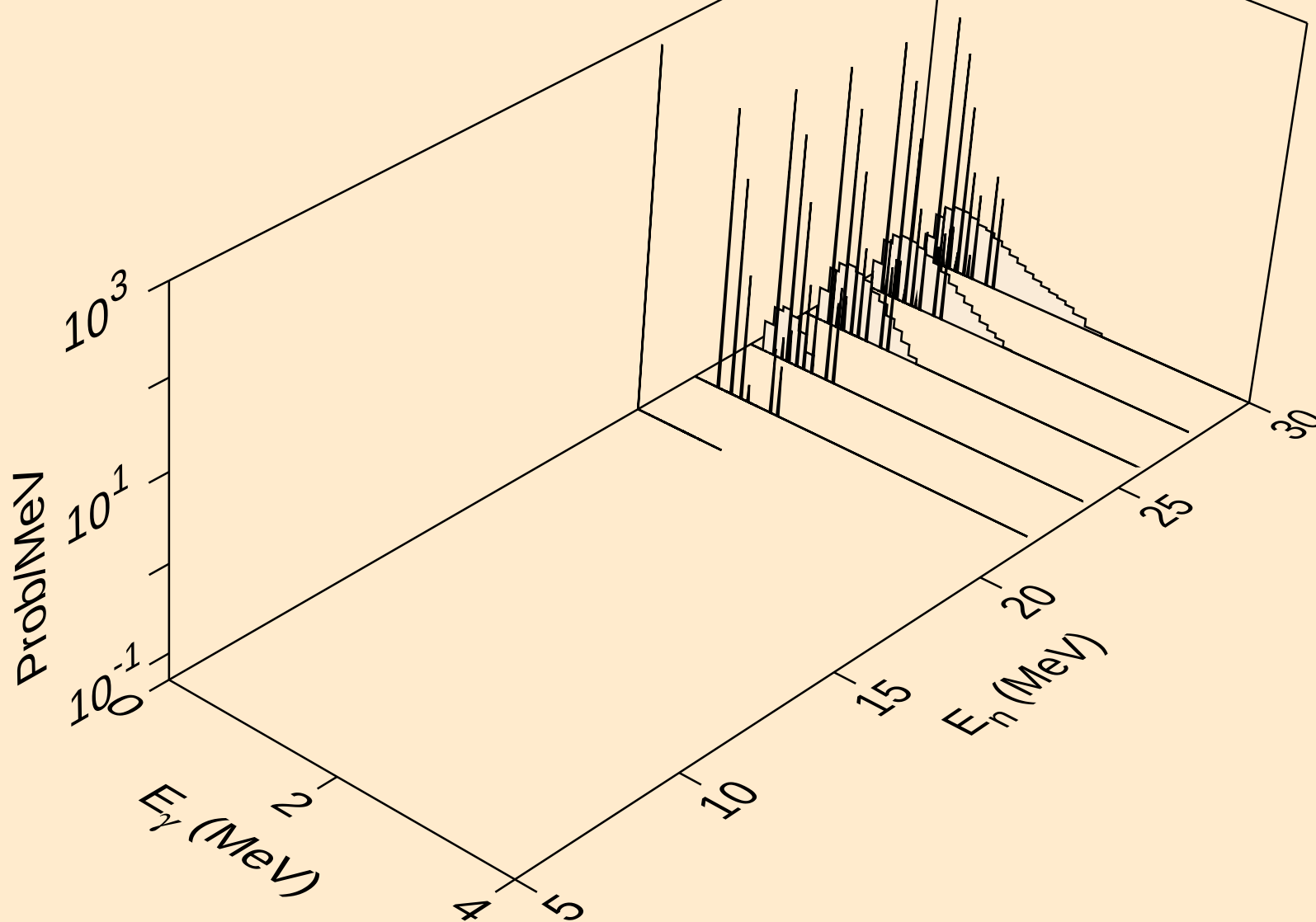


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pd)

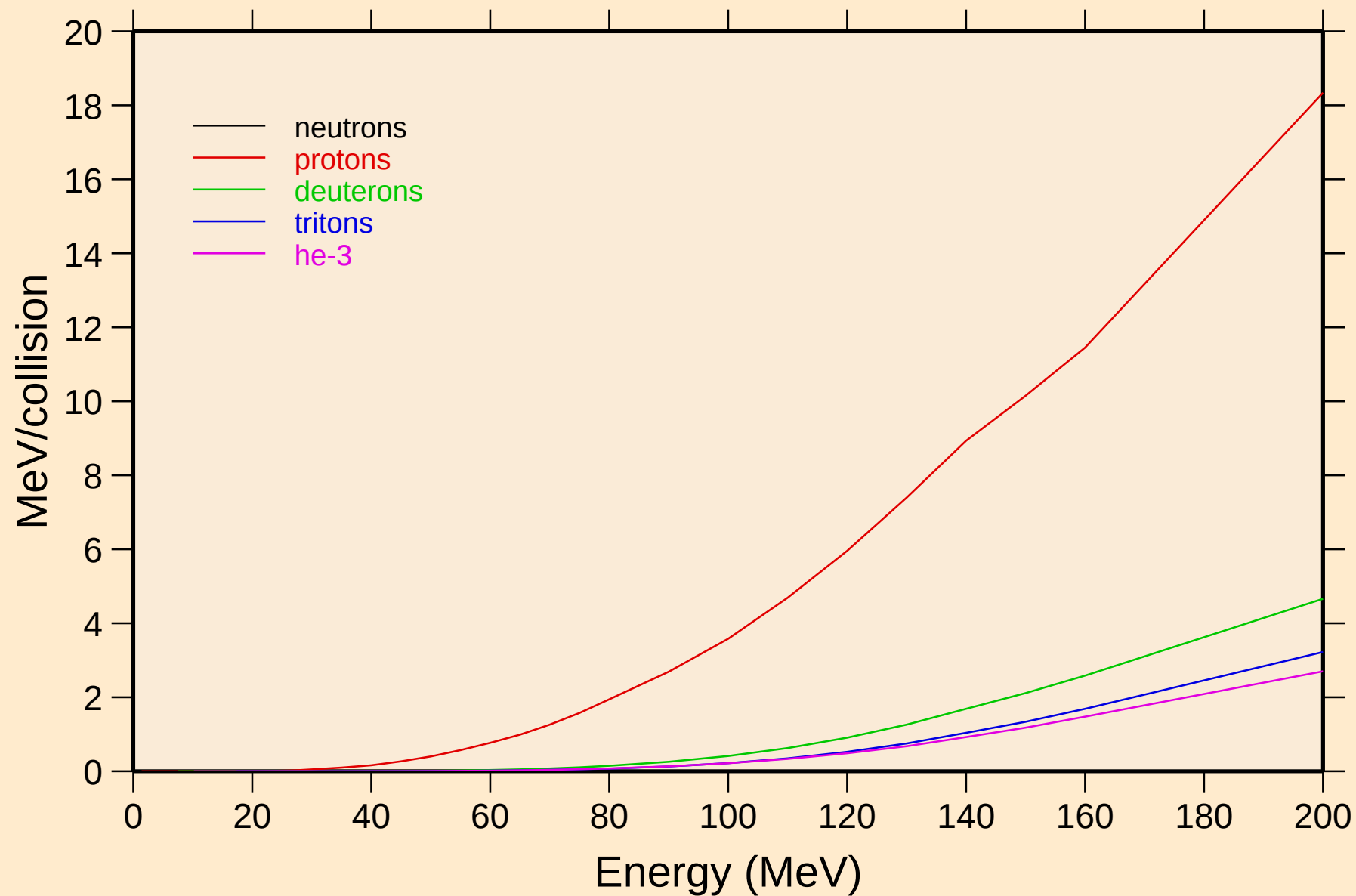


TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



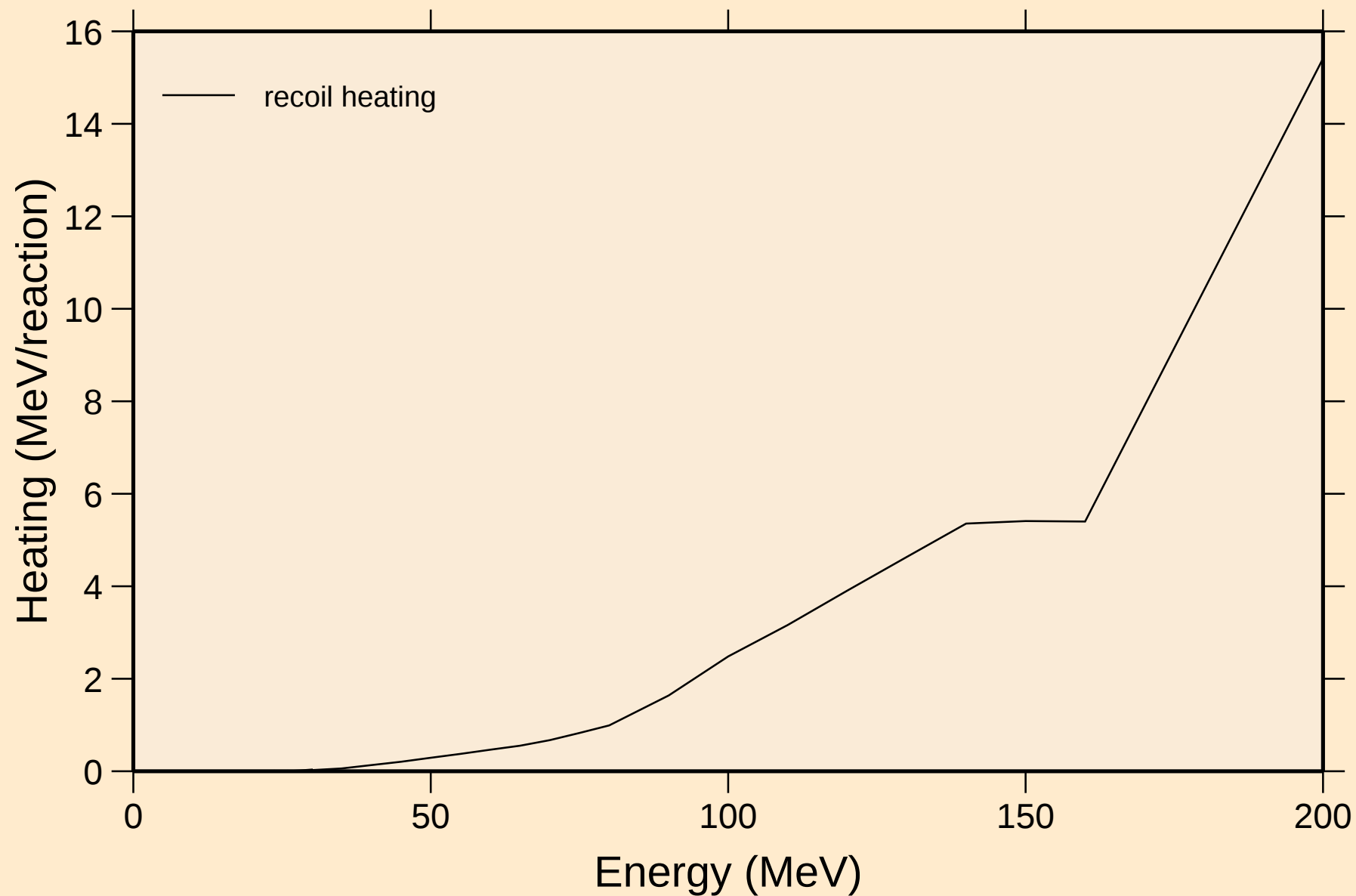
# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



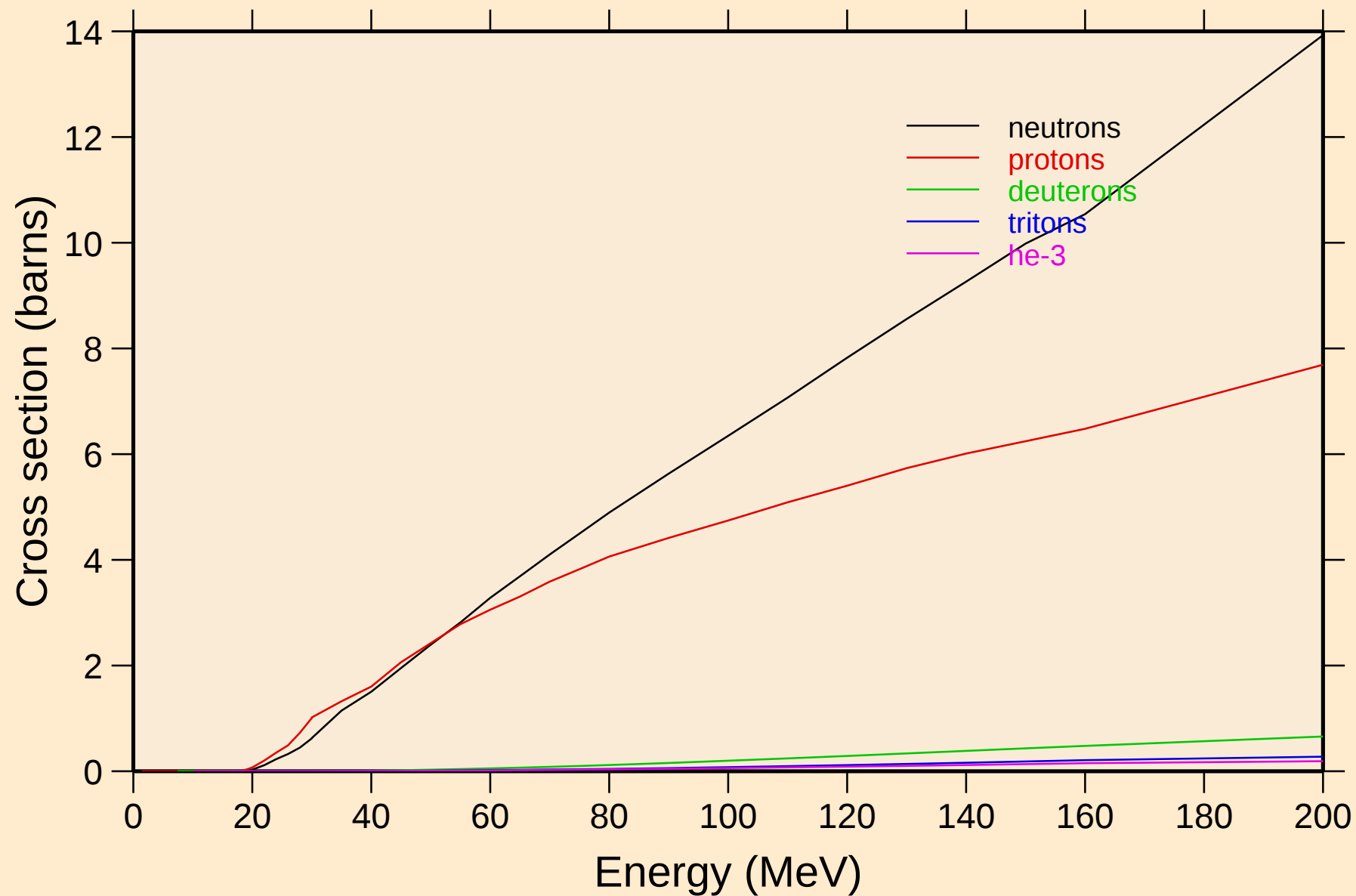
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

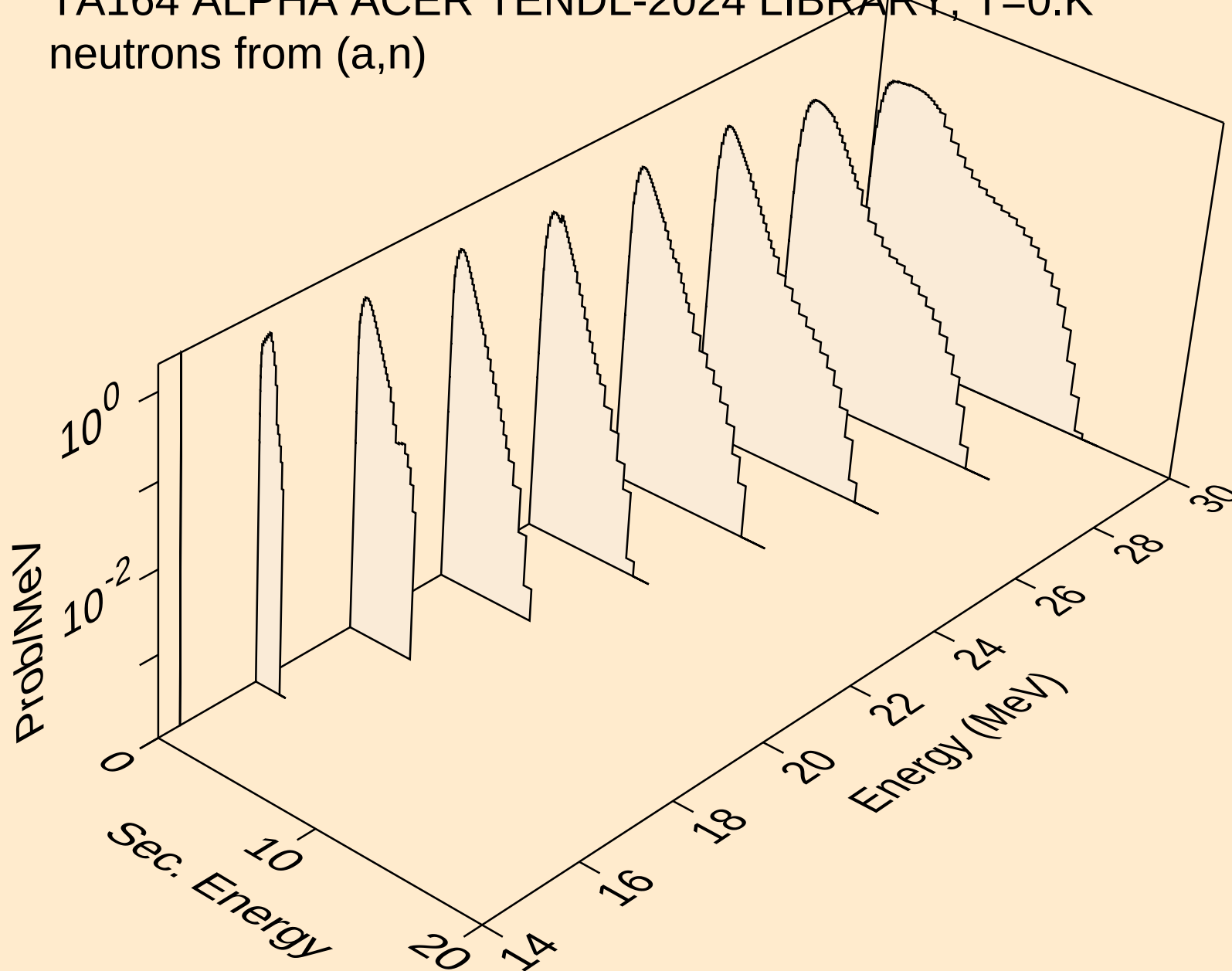


# TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

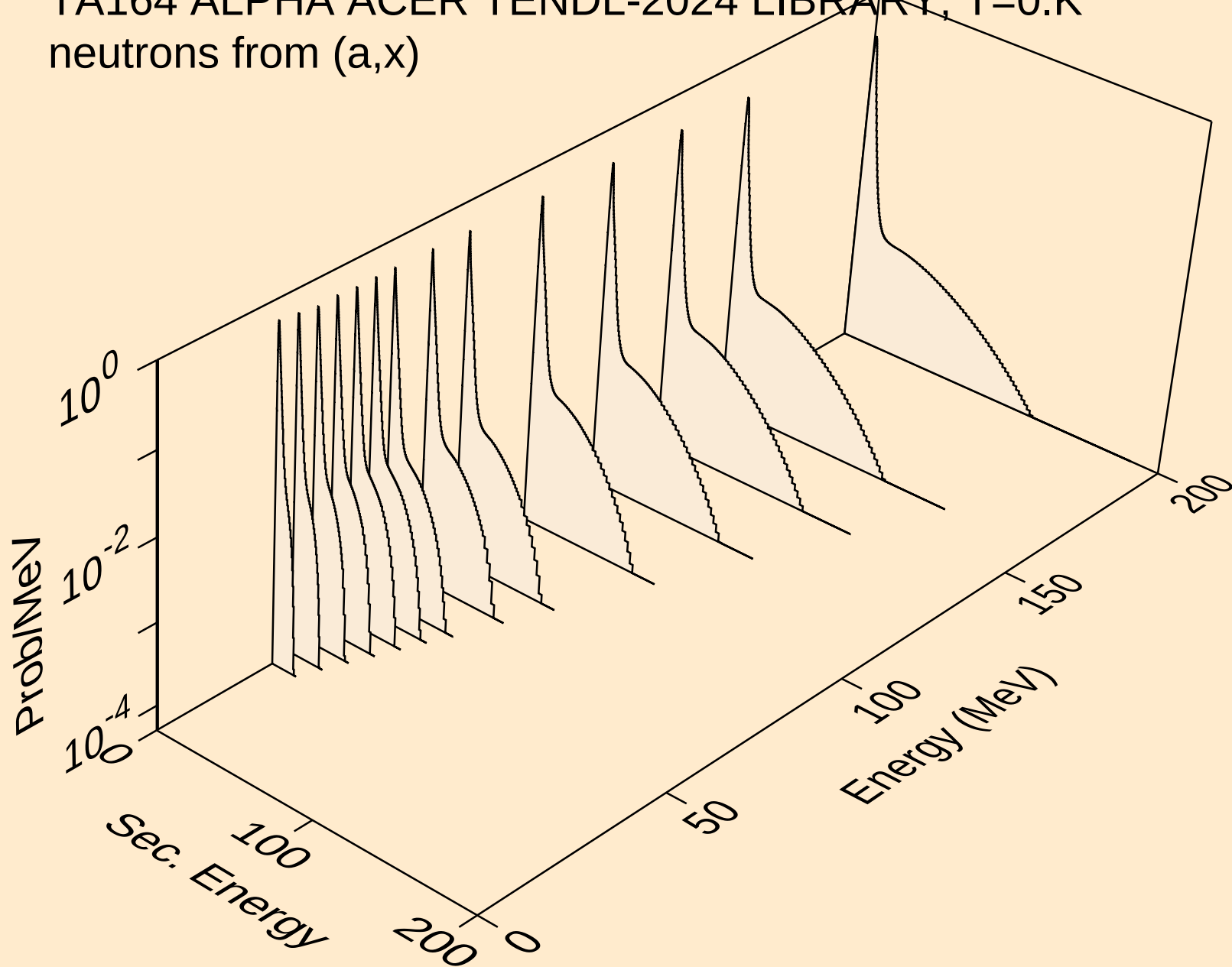
## Particle production cross sections



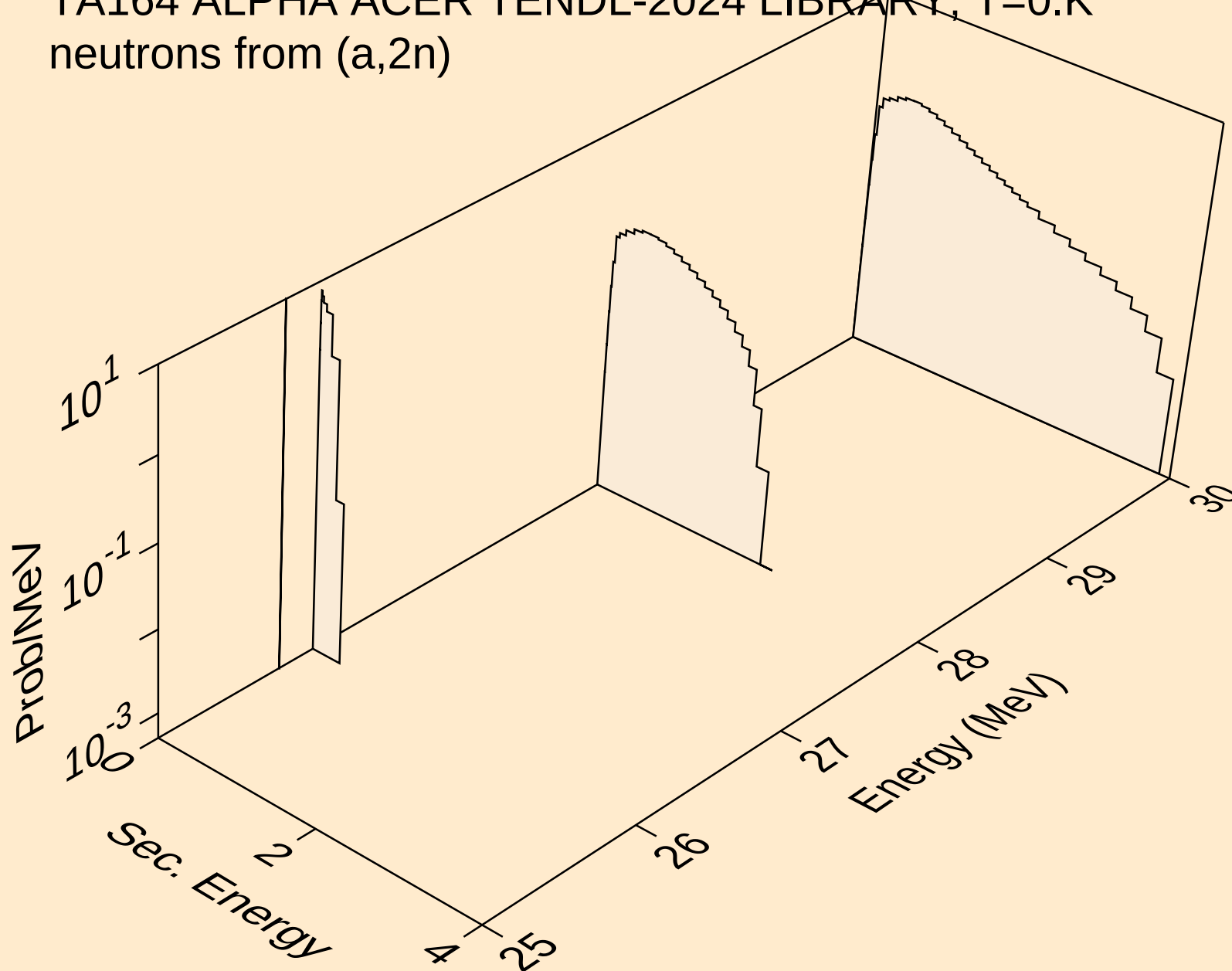
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



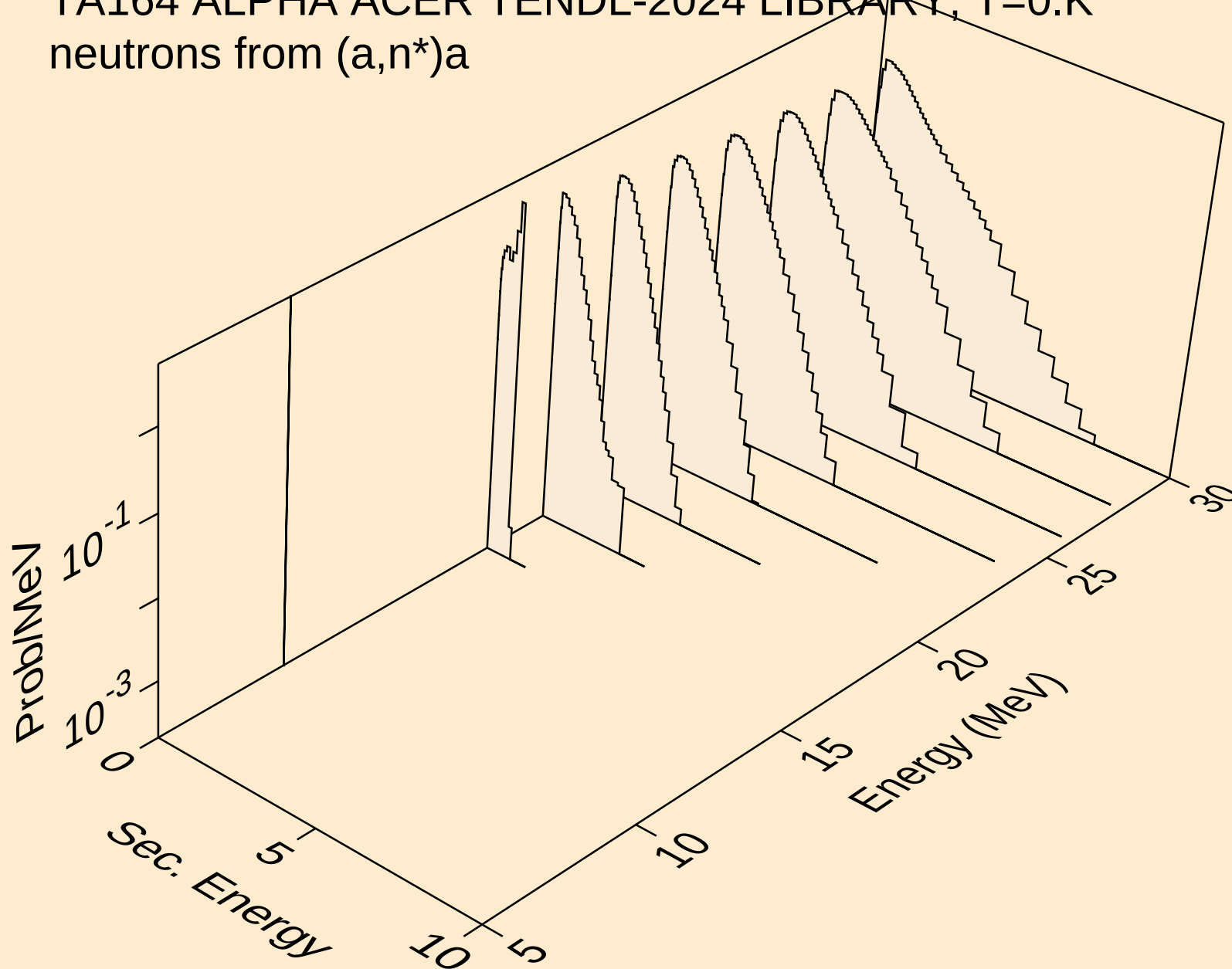
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



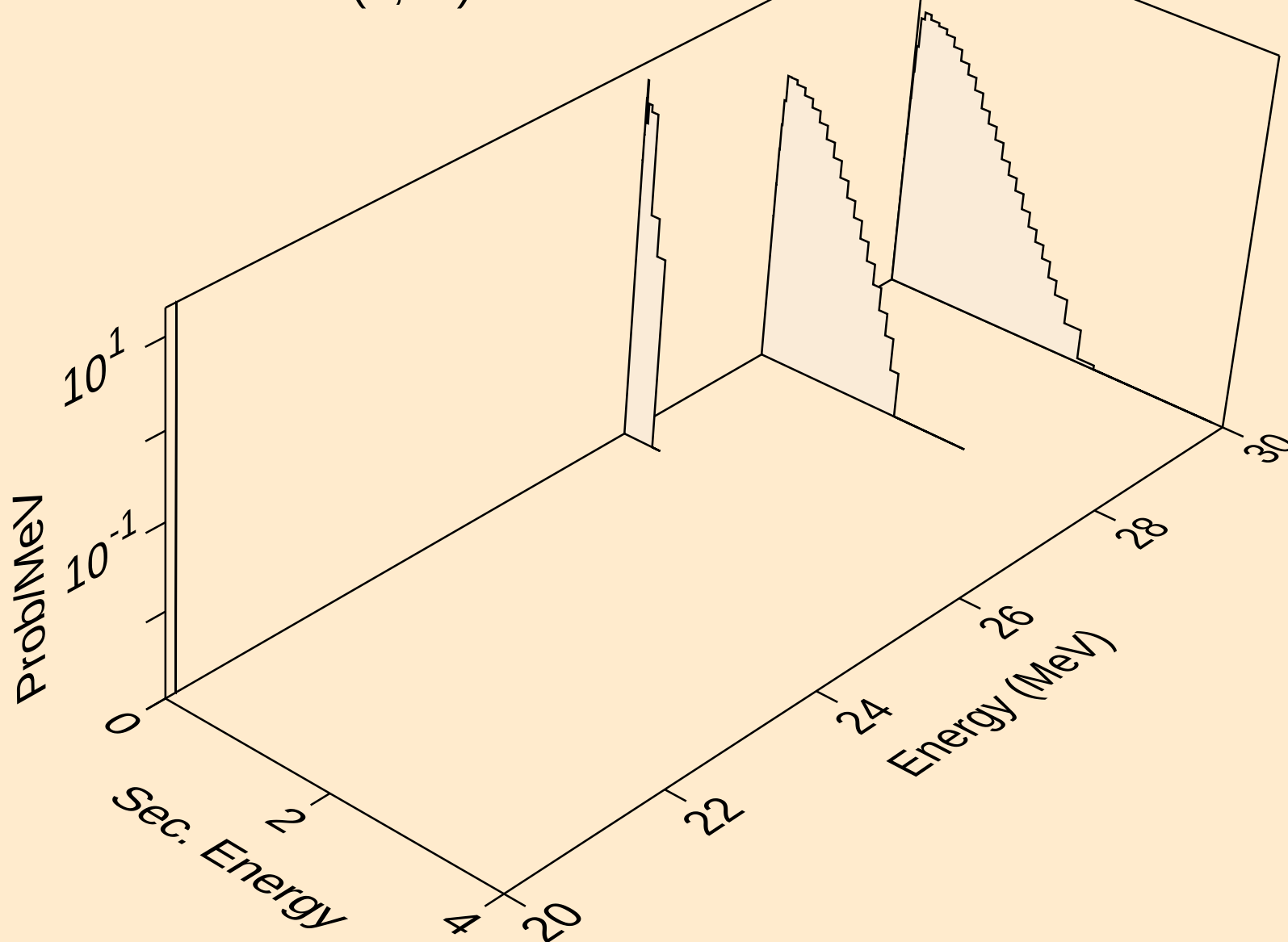
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



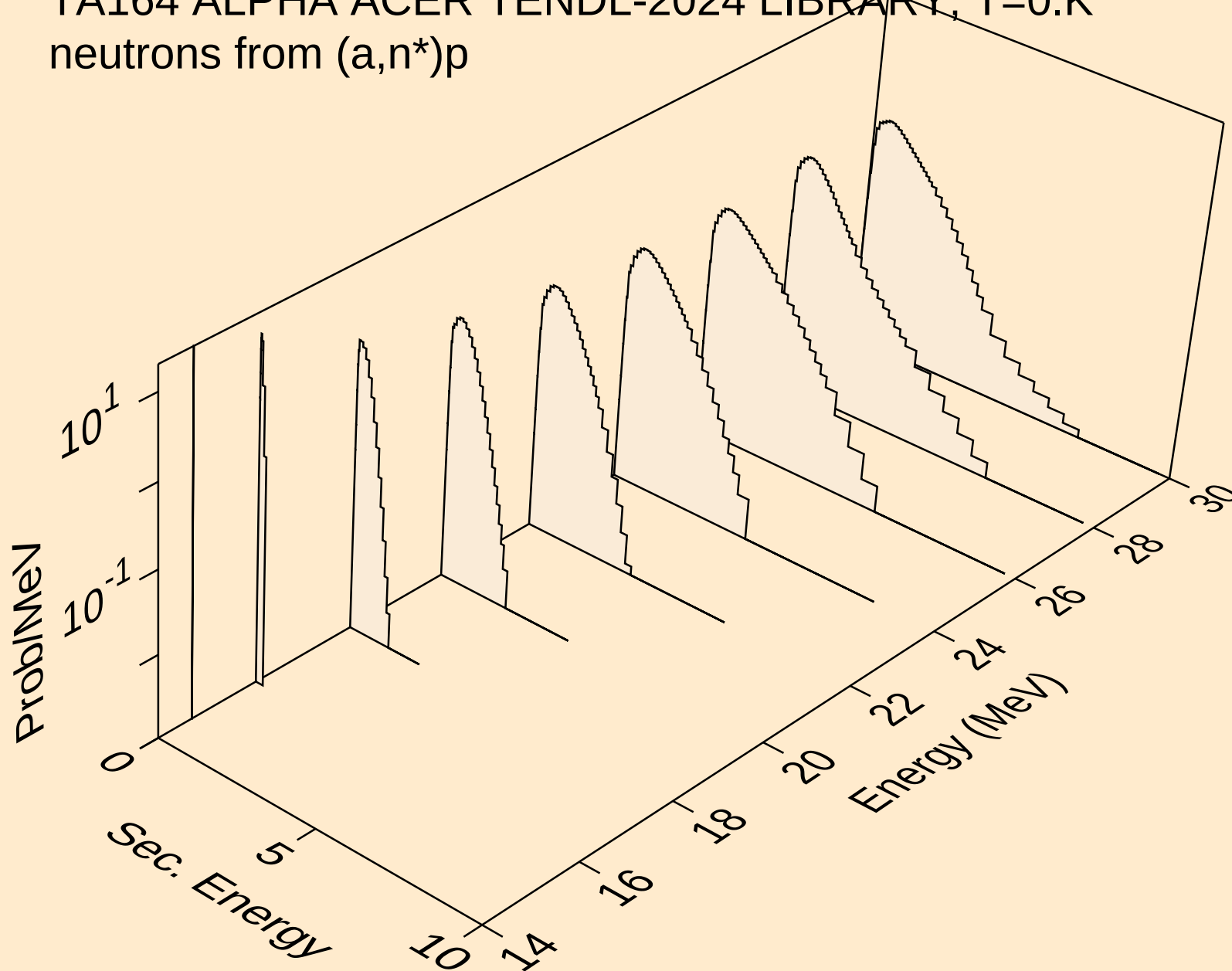
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



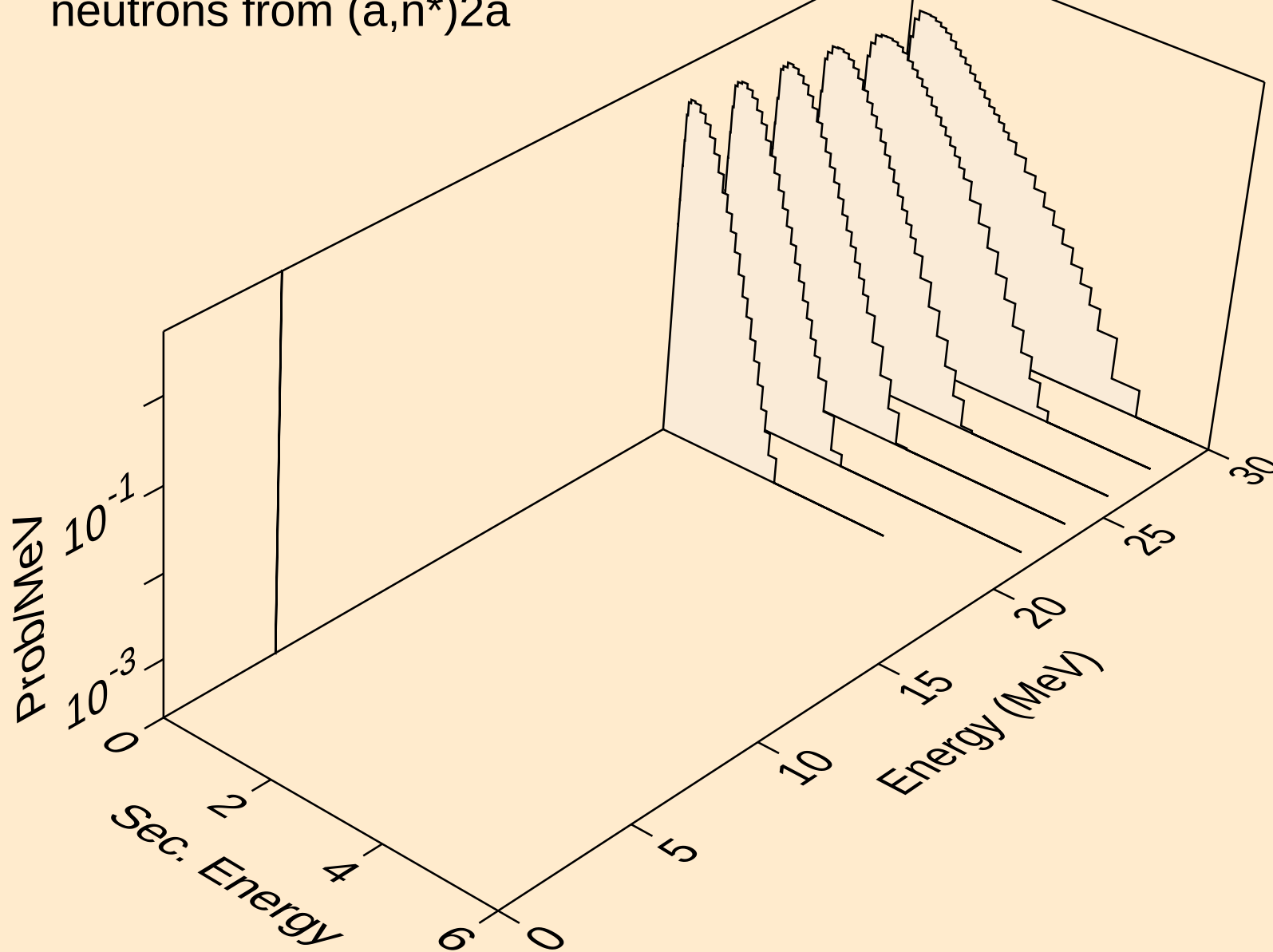
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)a



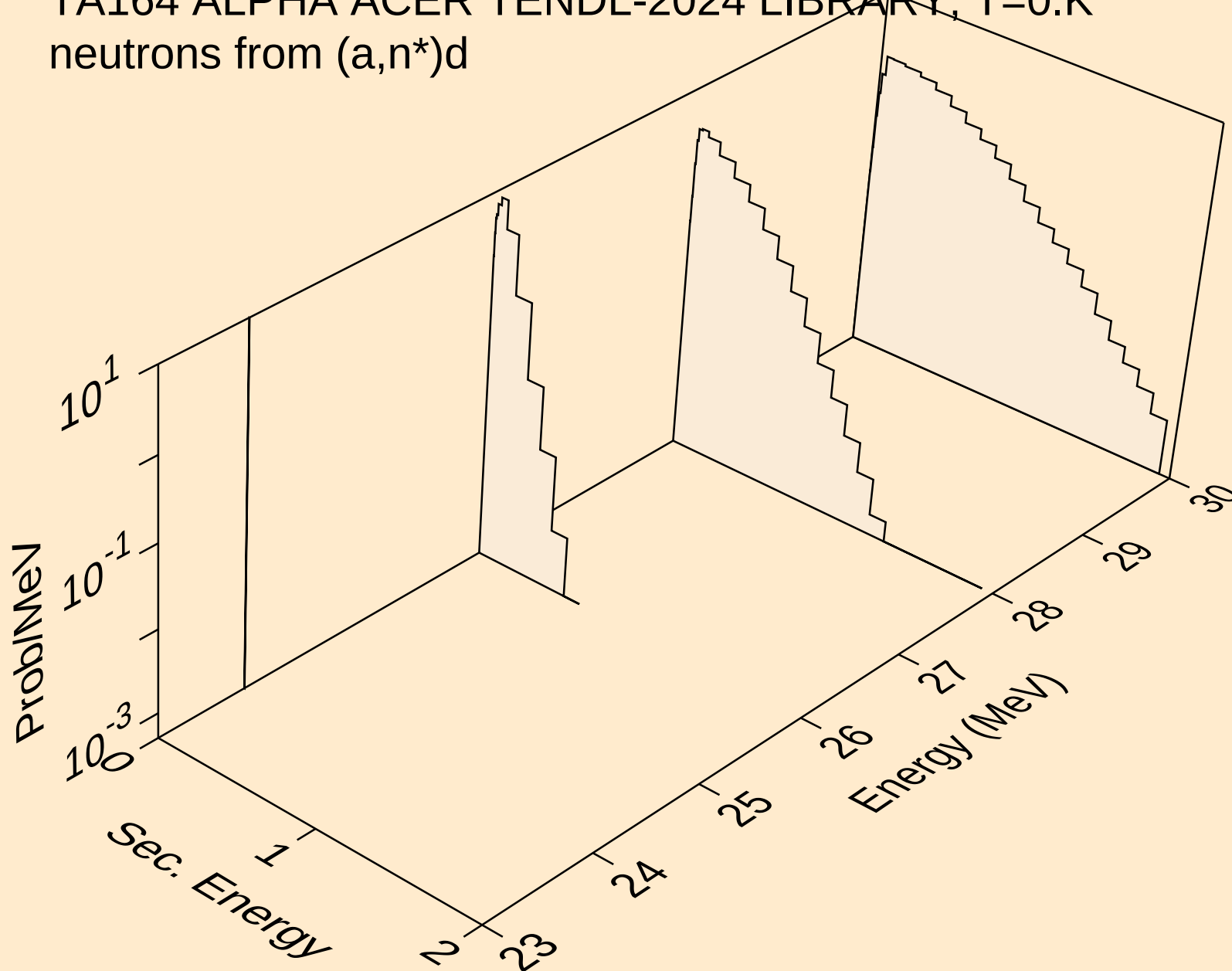
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



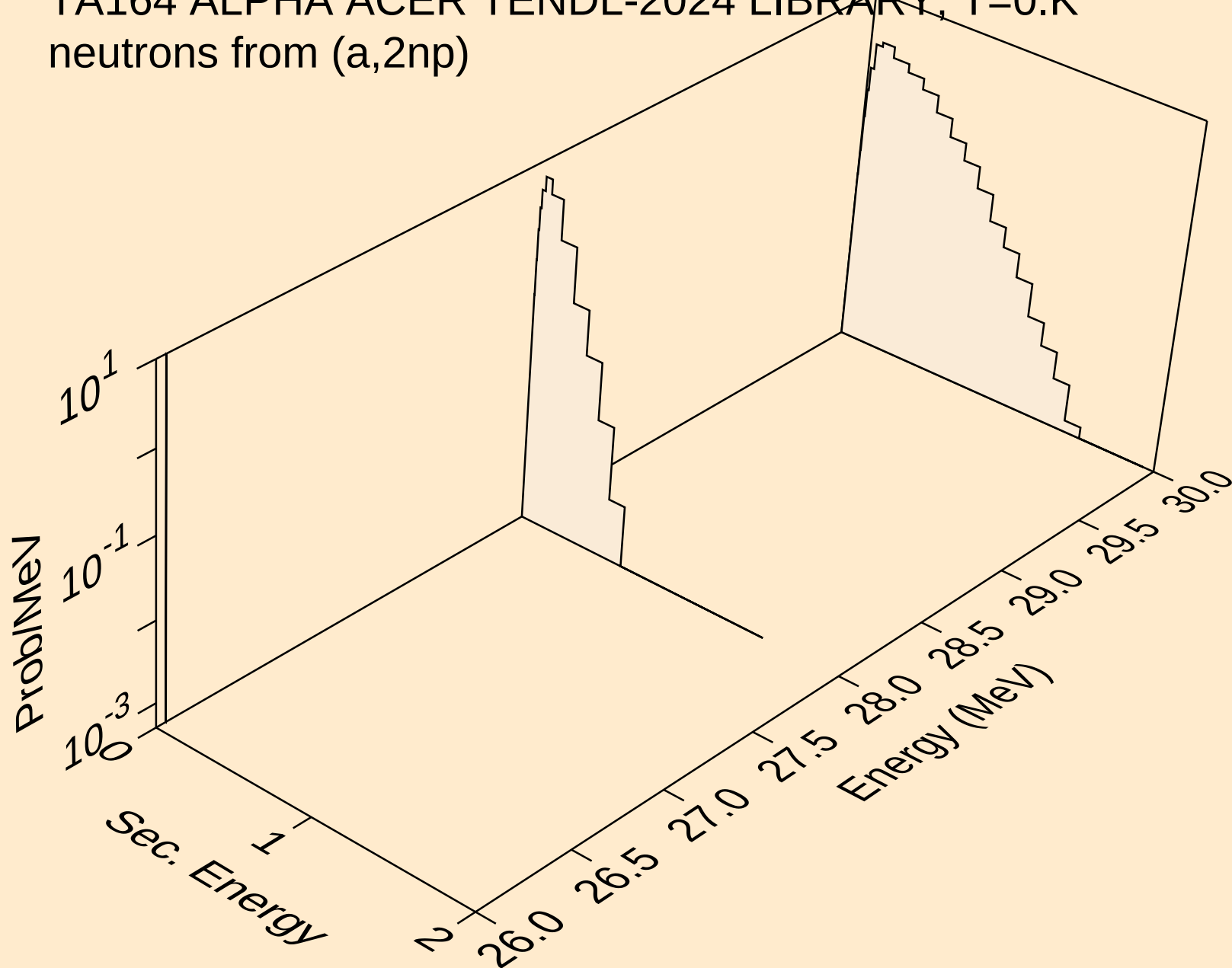
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



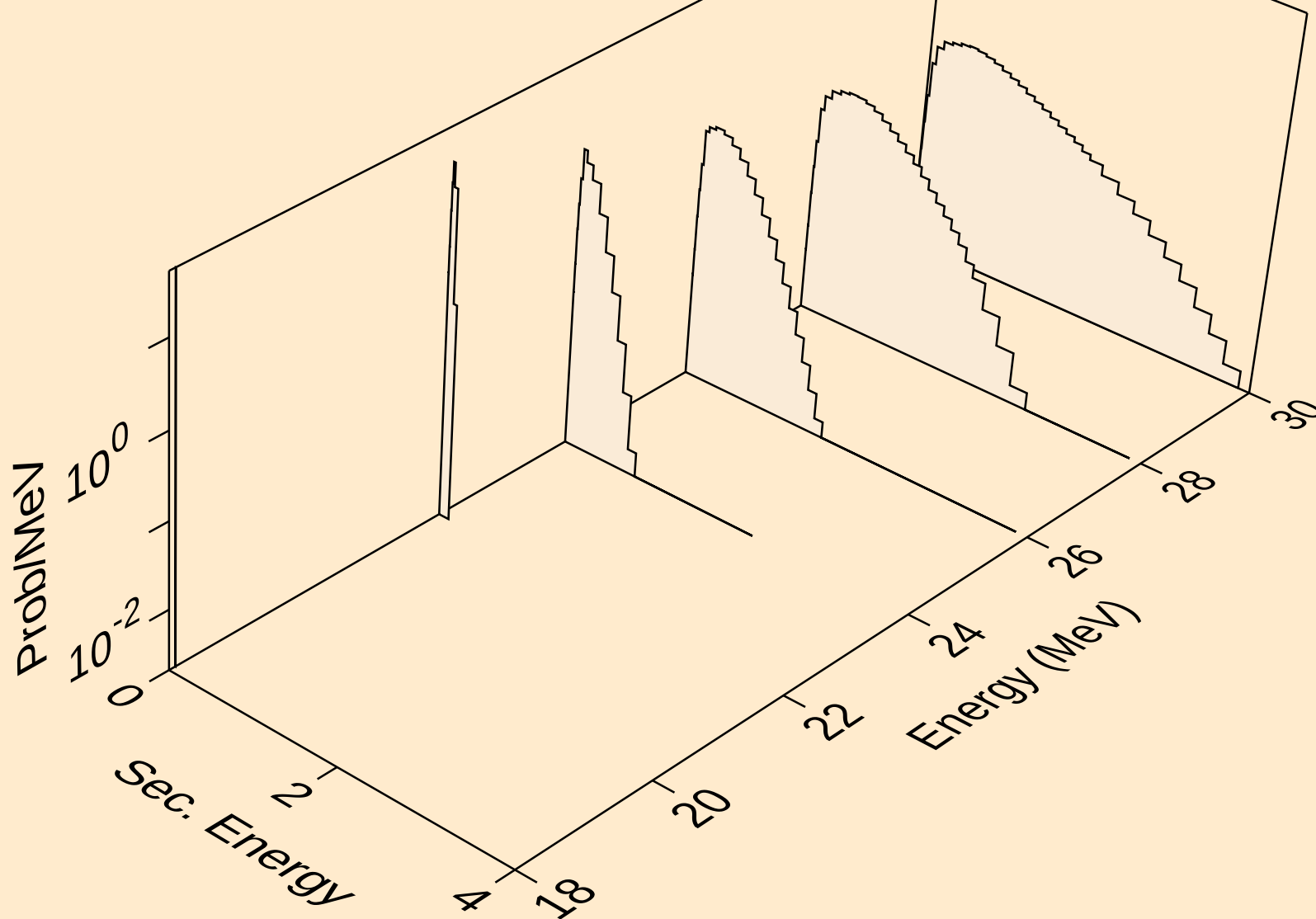
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)d



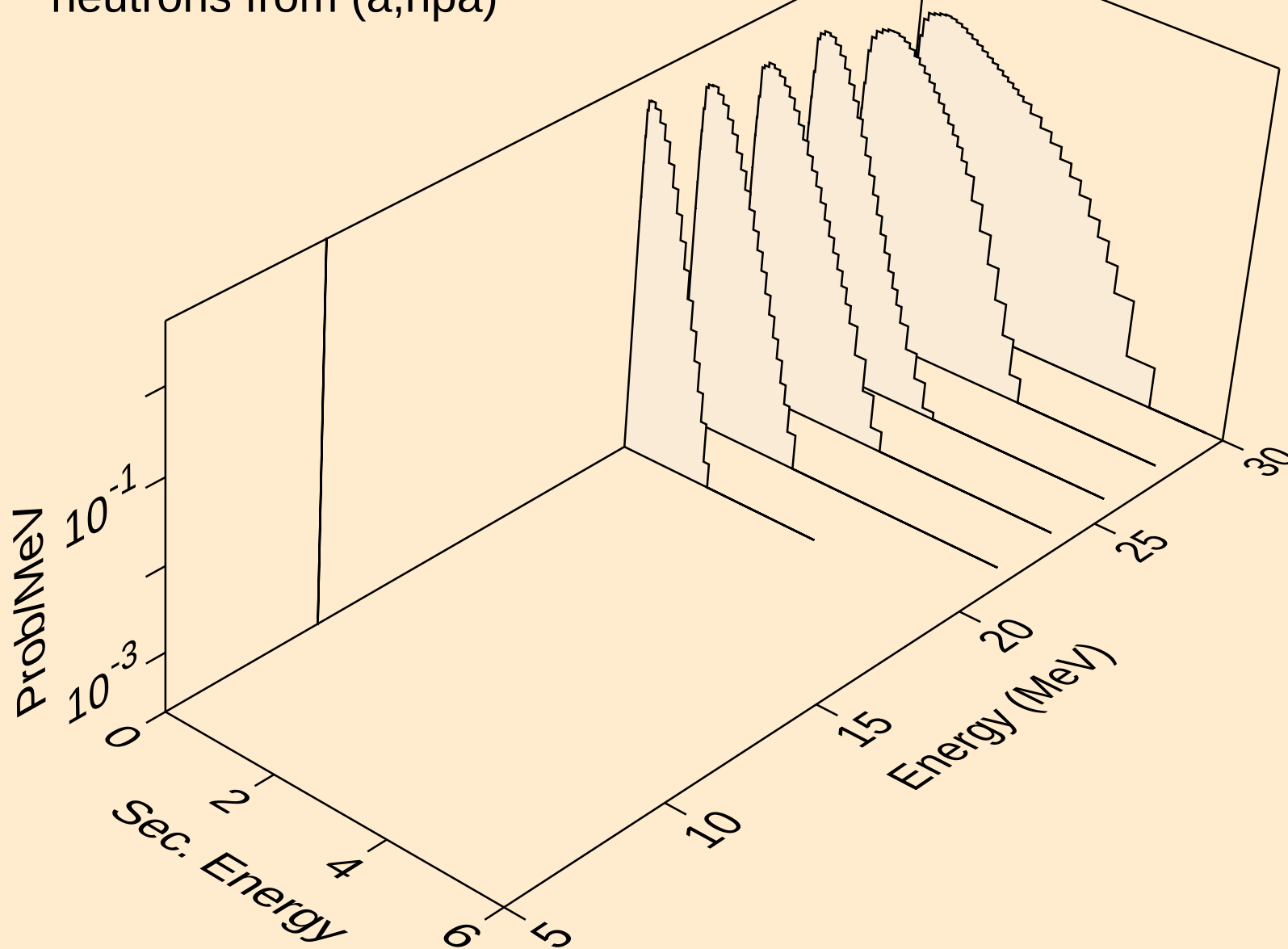
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neutrons from (a,2np)



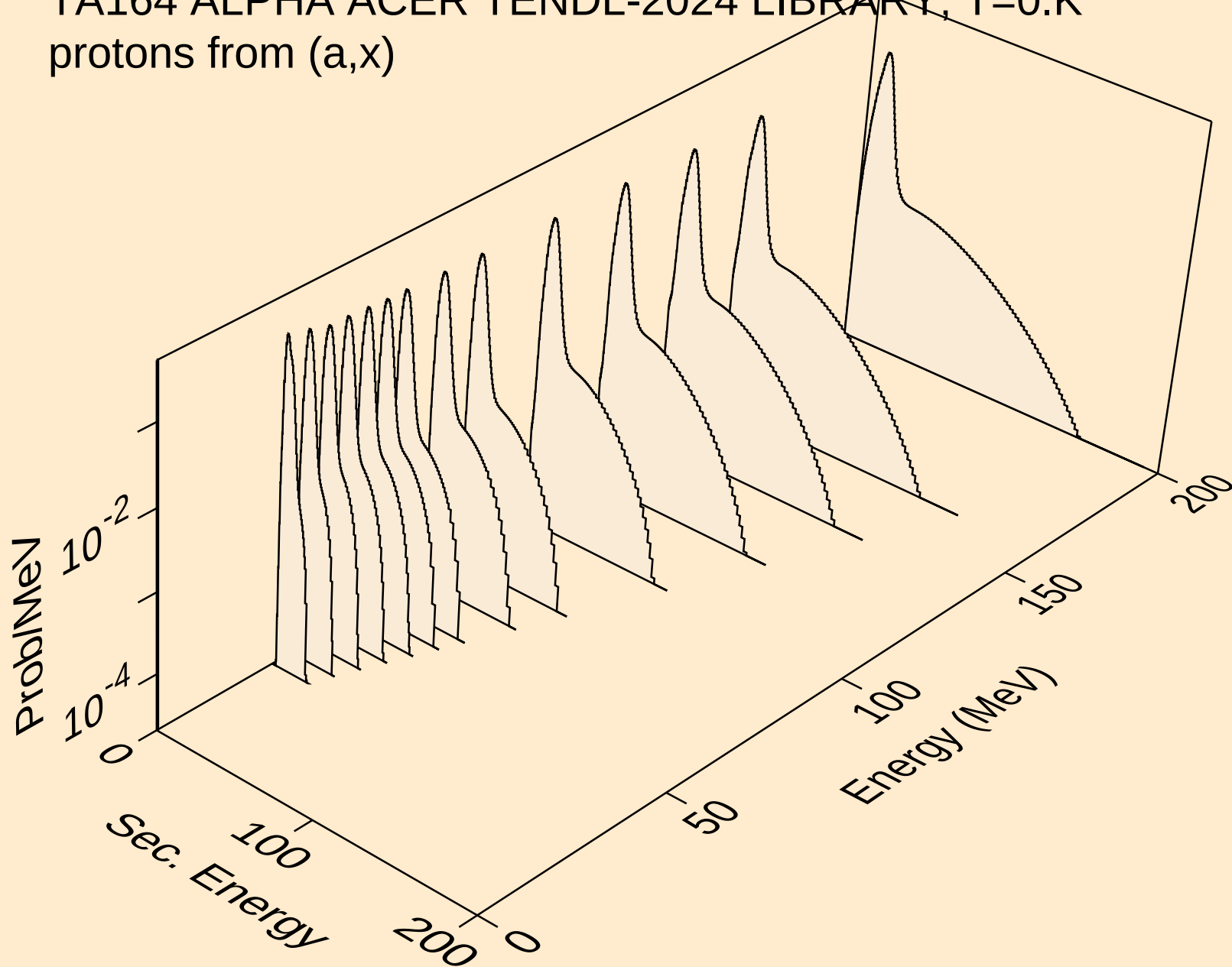
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neutrons from (a,n2p)



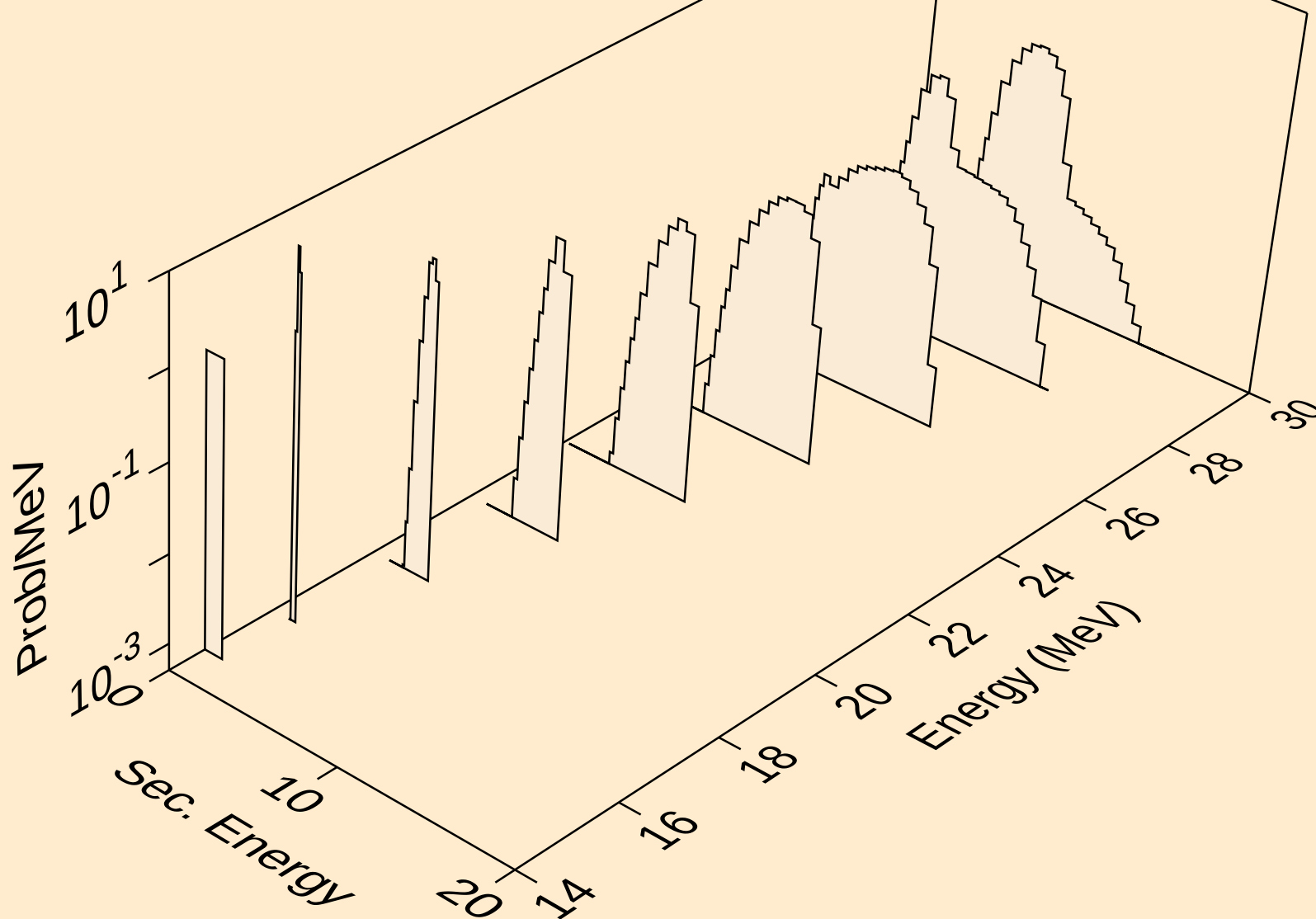
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,npa)



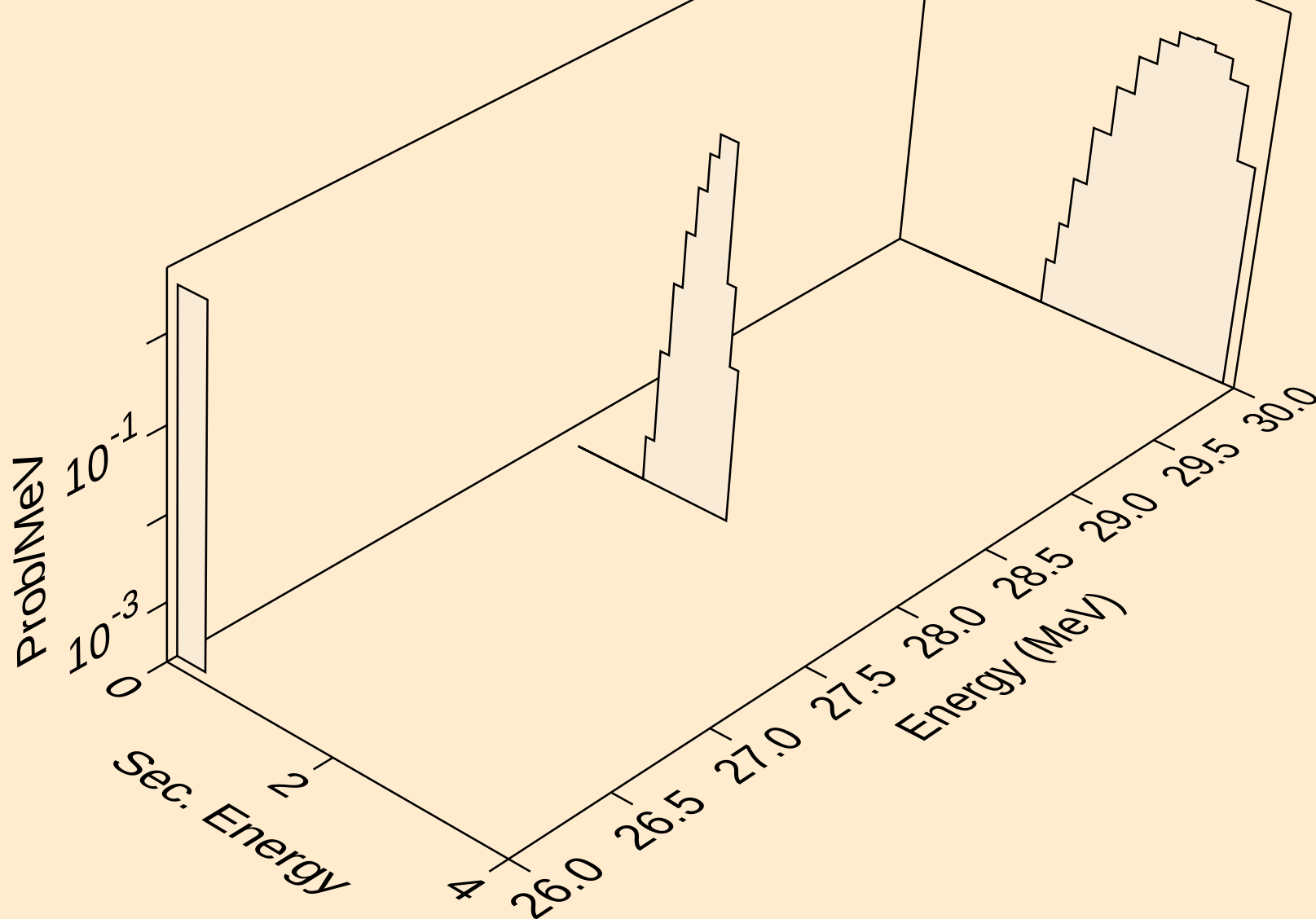
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,x)



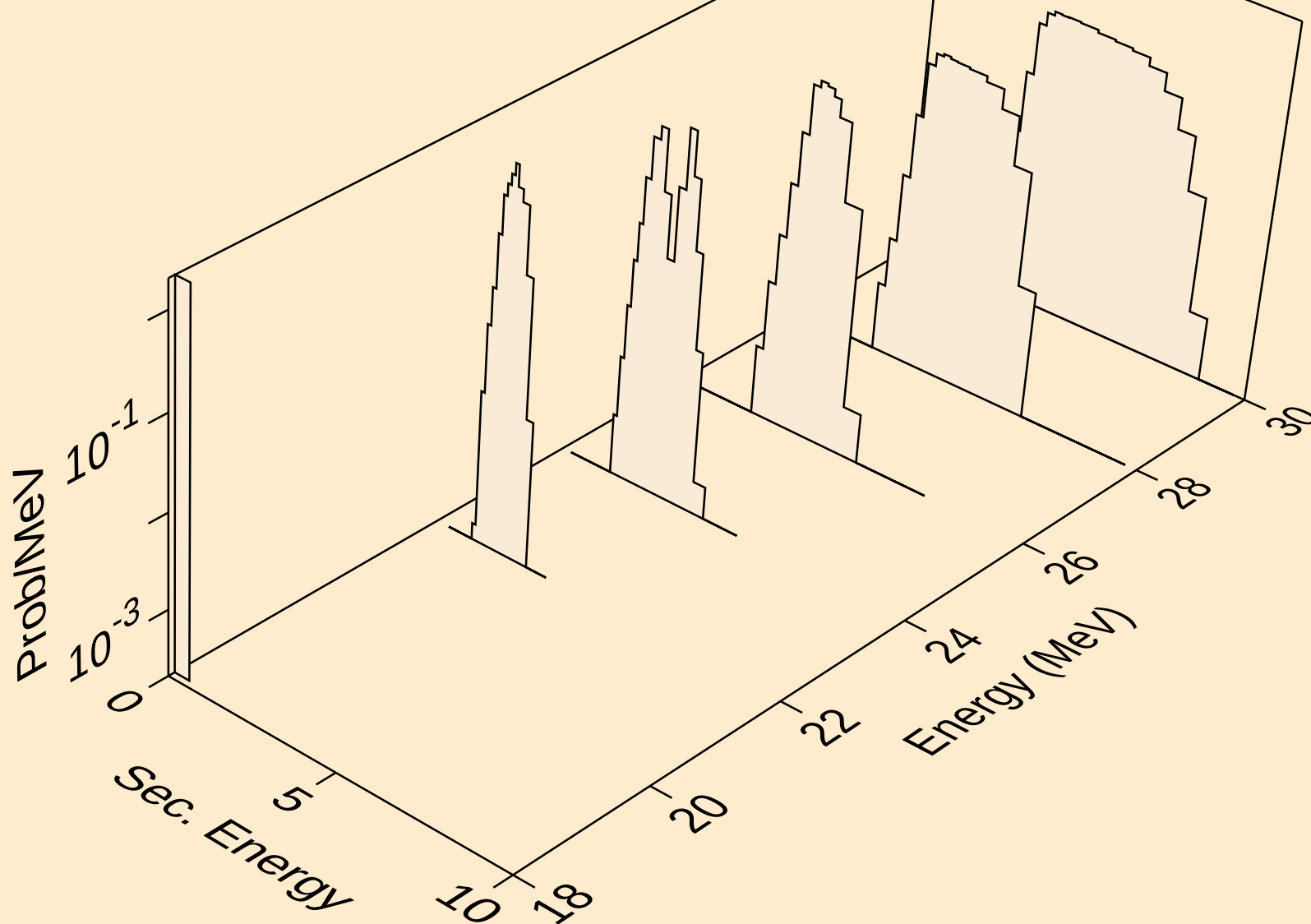
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protons from (a,n\*)p



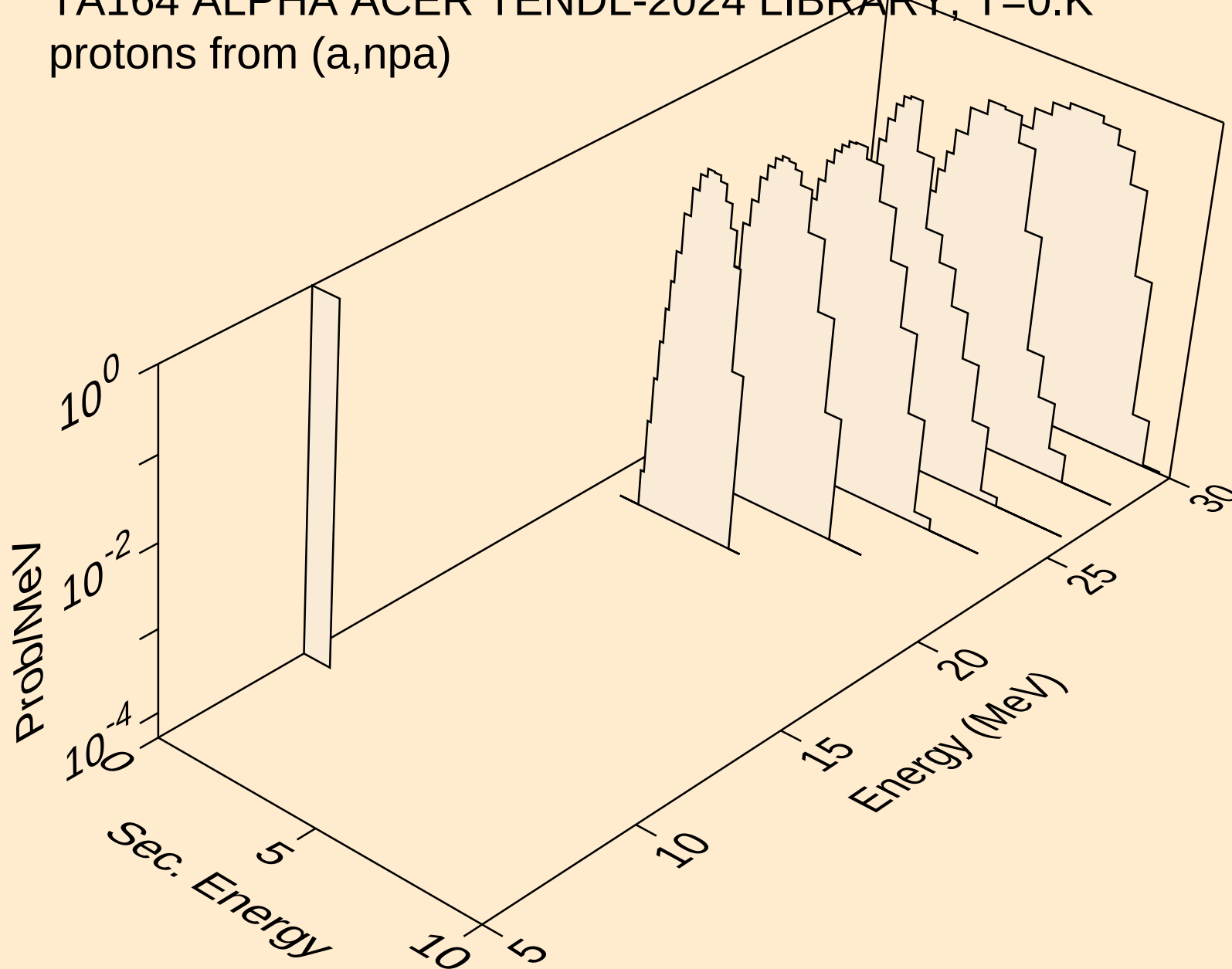
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,2np)



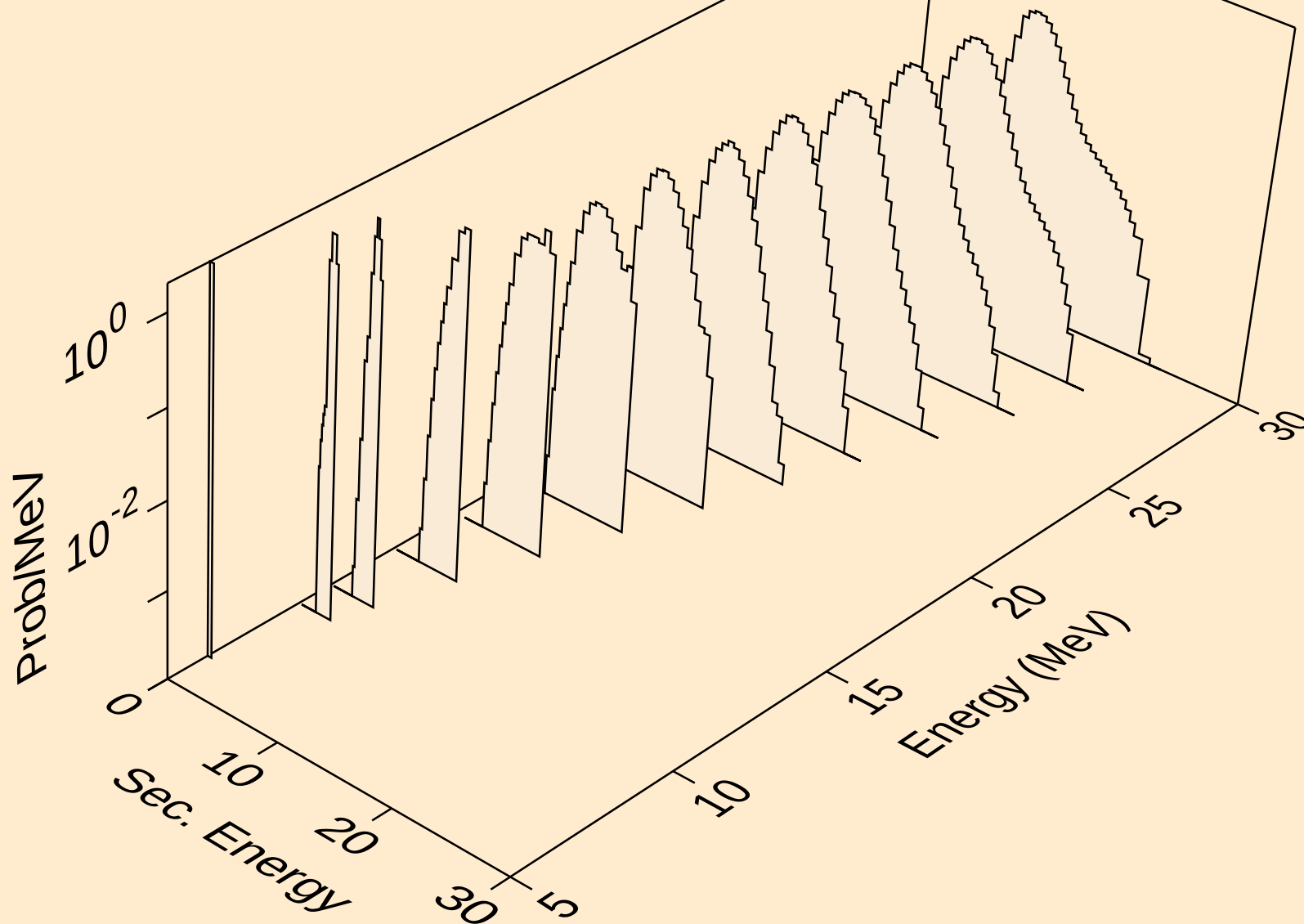
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protons from (a,n2p)



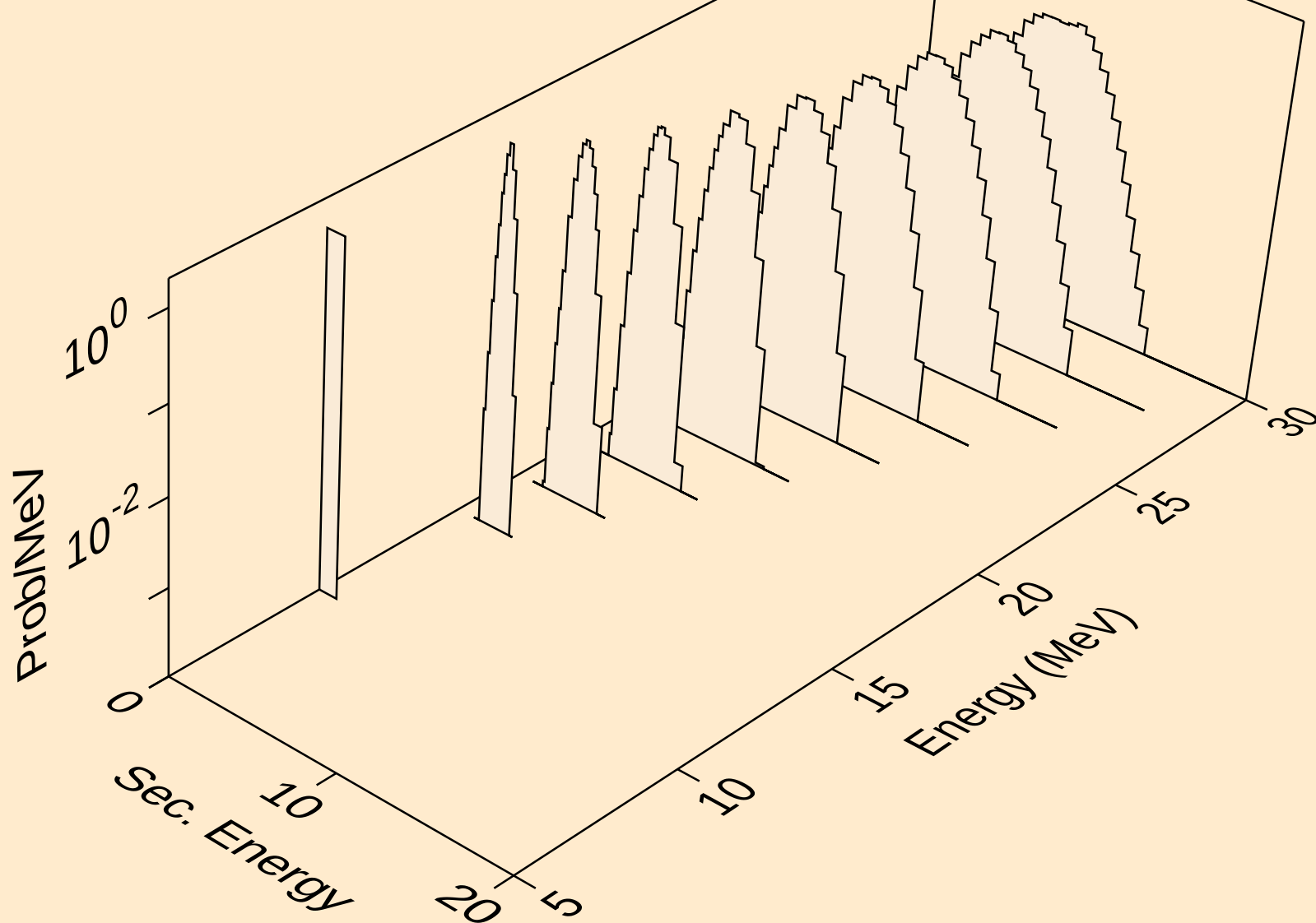
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protons from (a,npa)



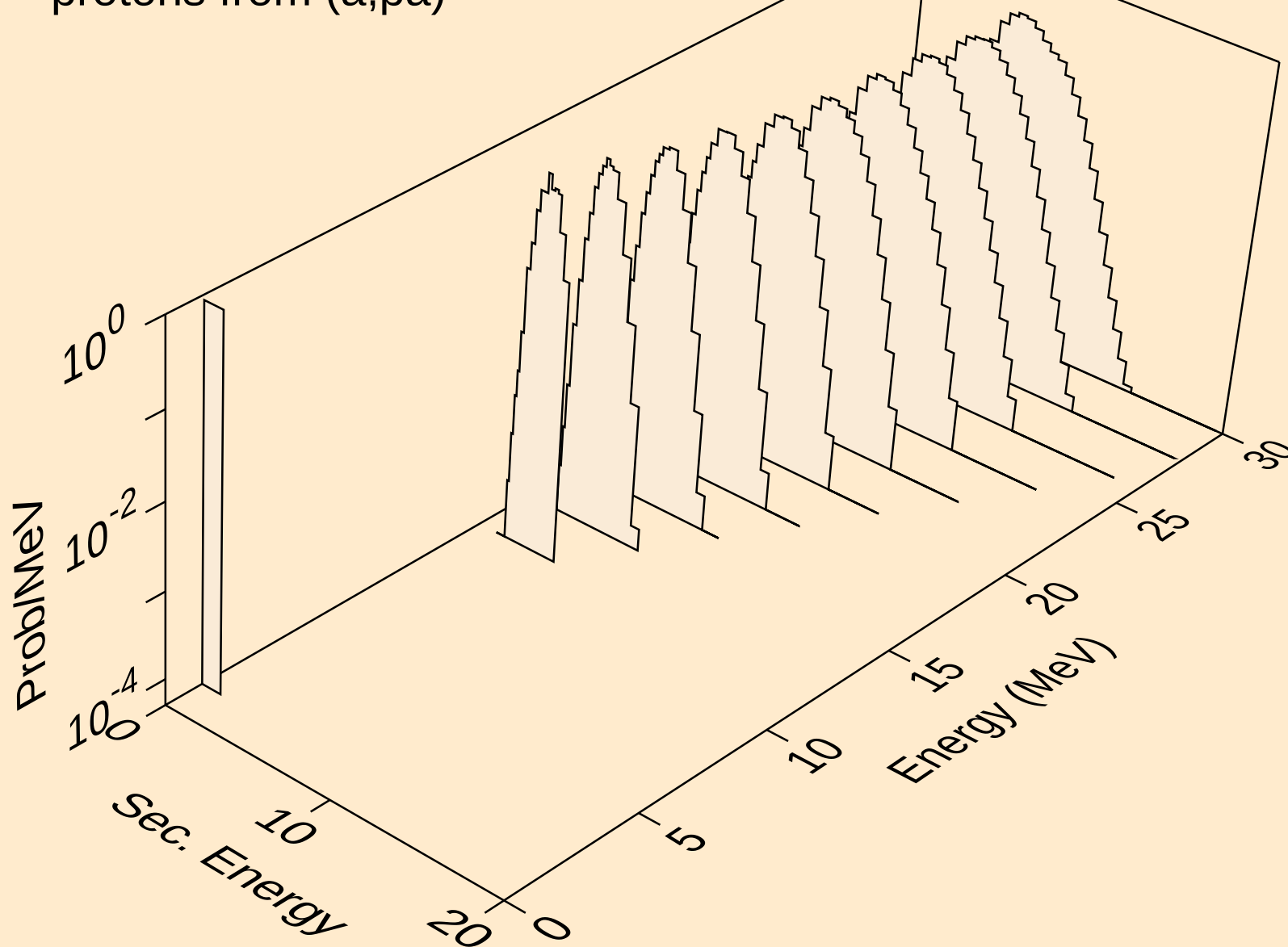
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protons from (a,p)



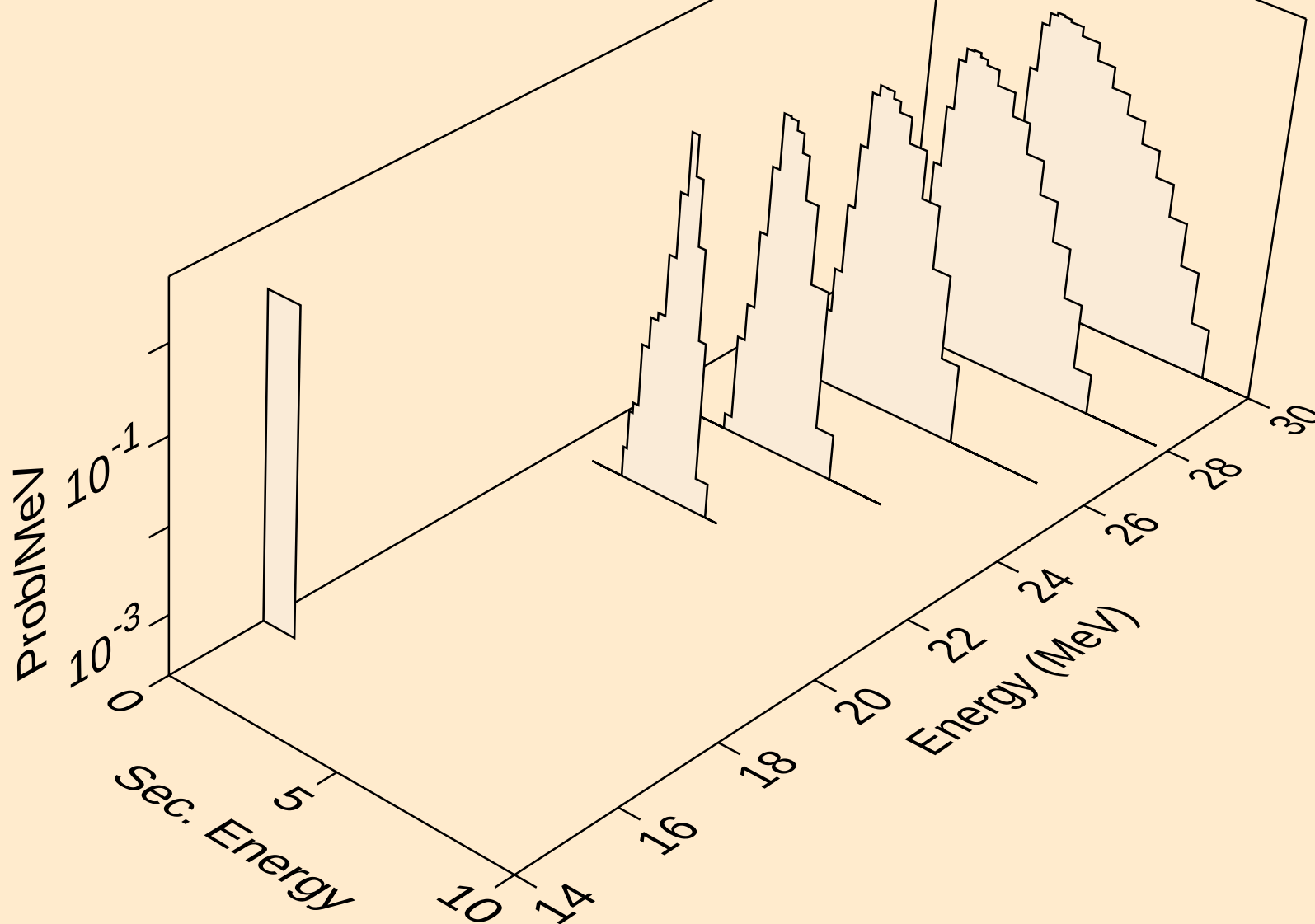
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protons from (a,2p)



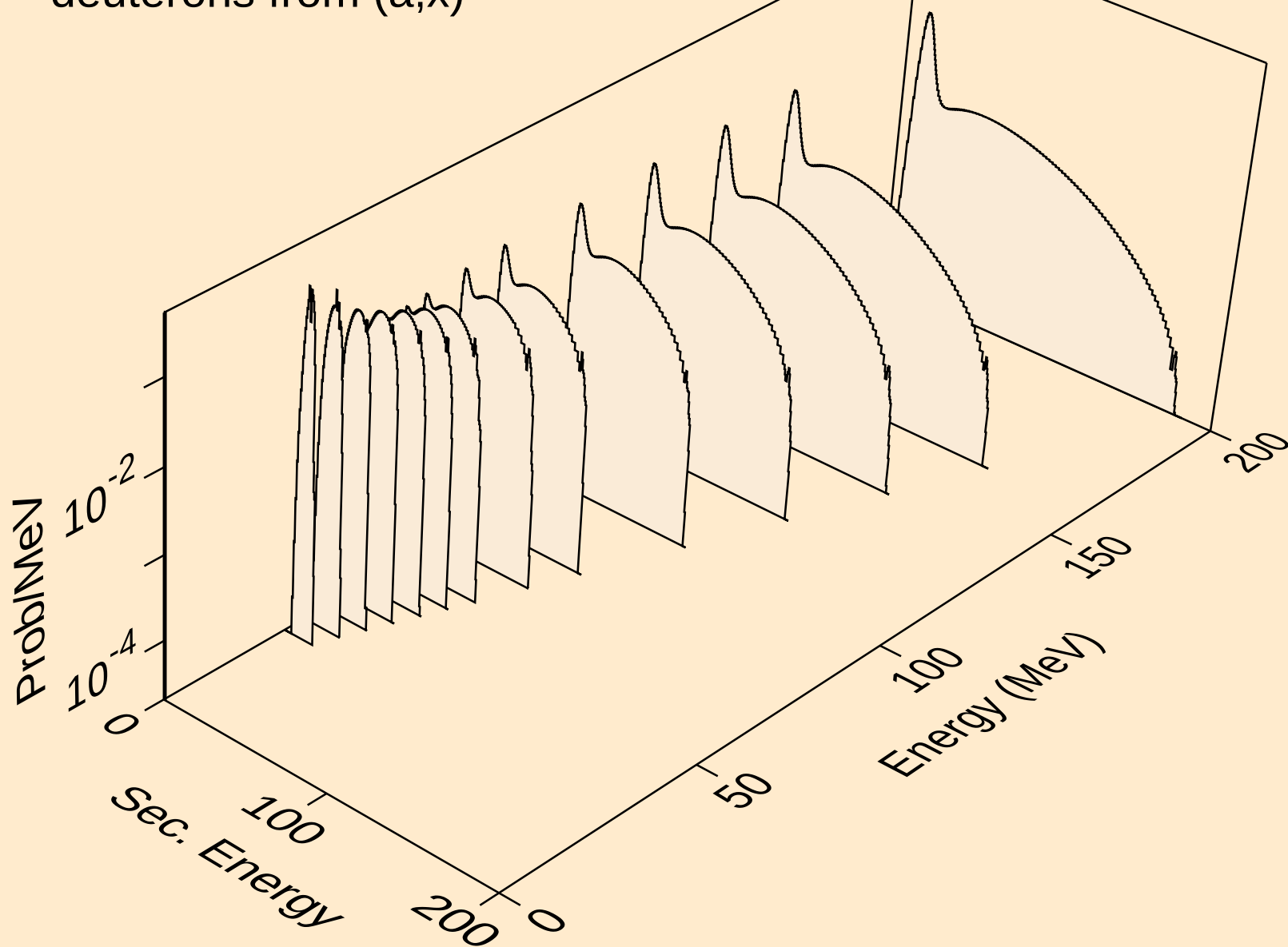
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protons from (a,pa)



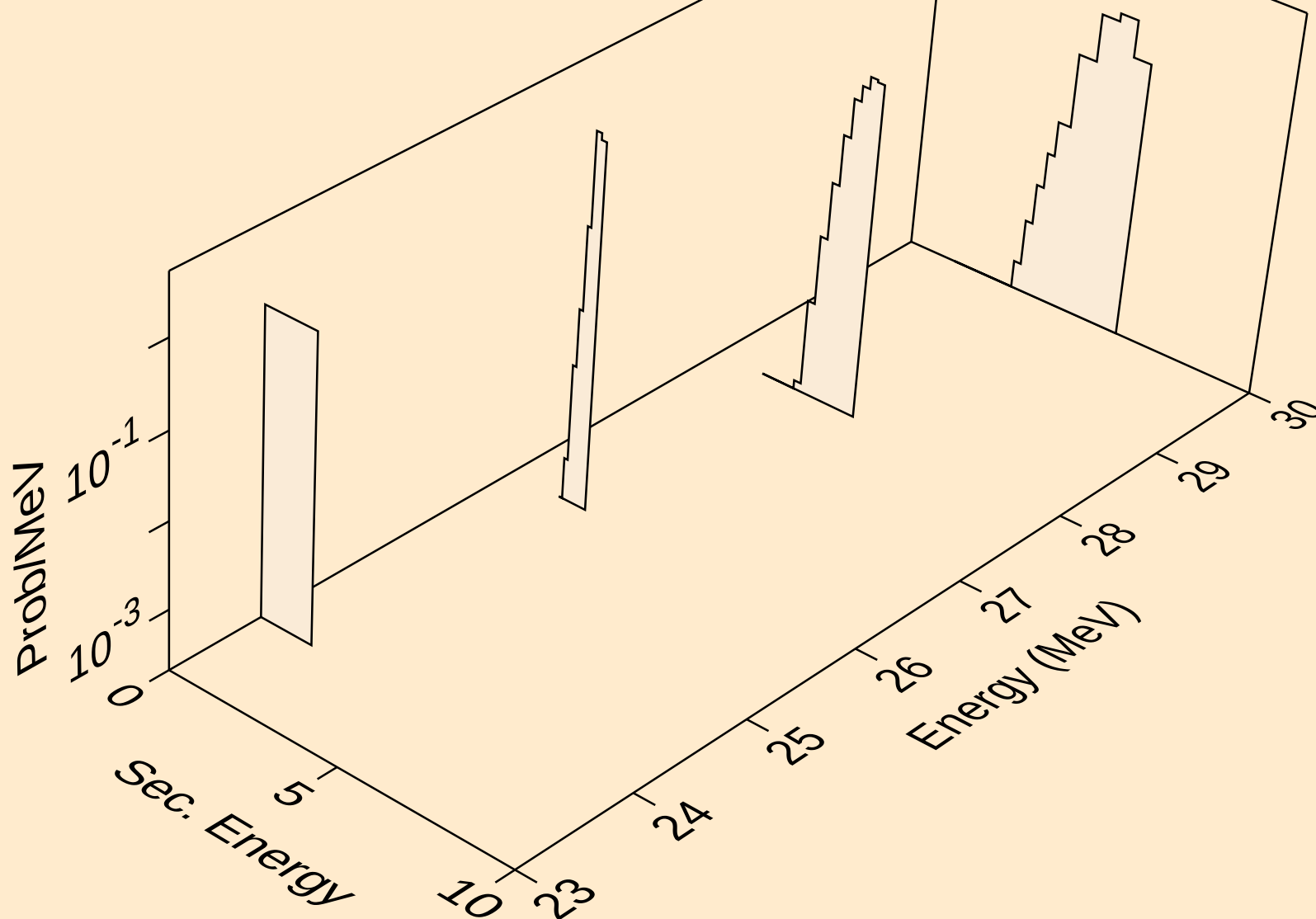
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pd)



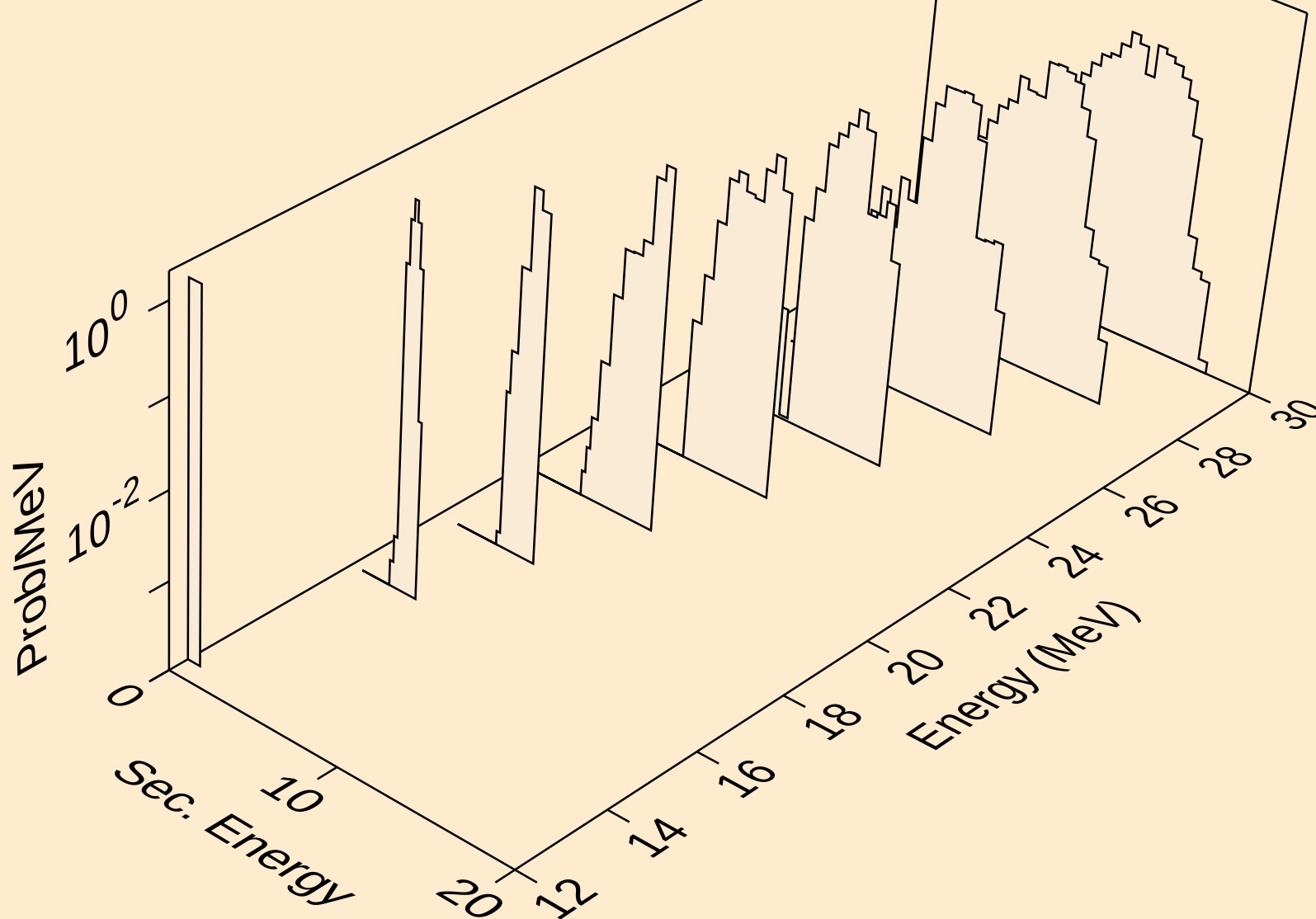
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



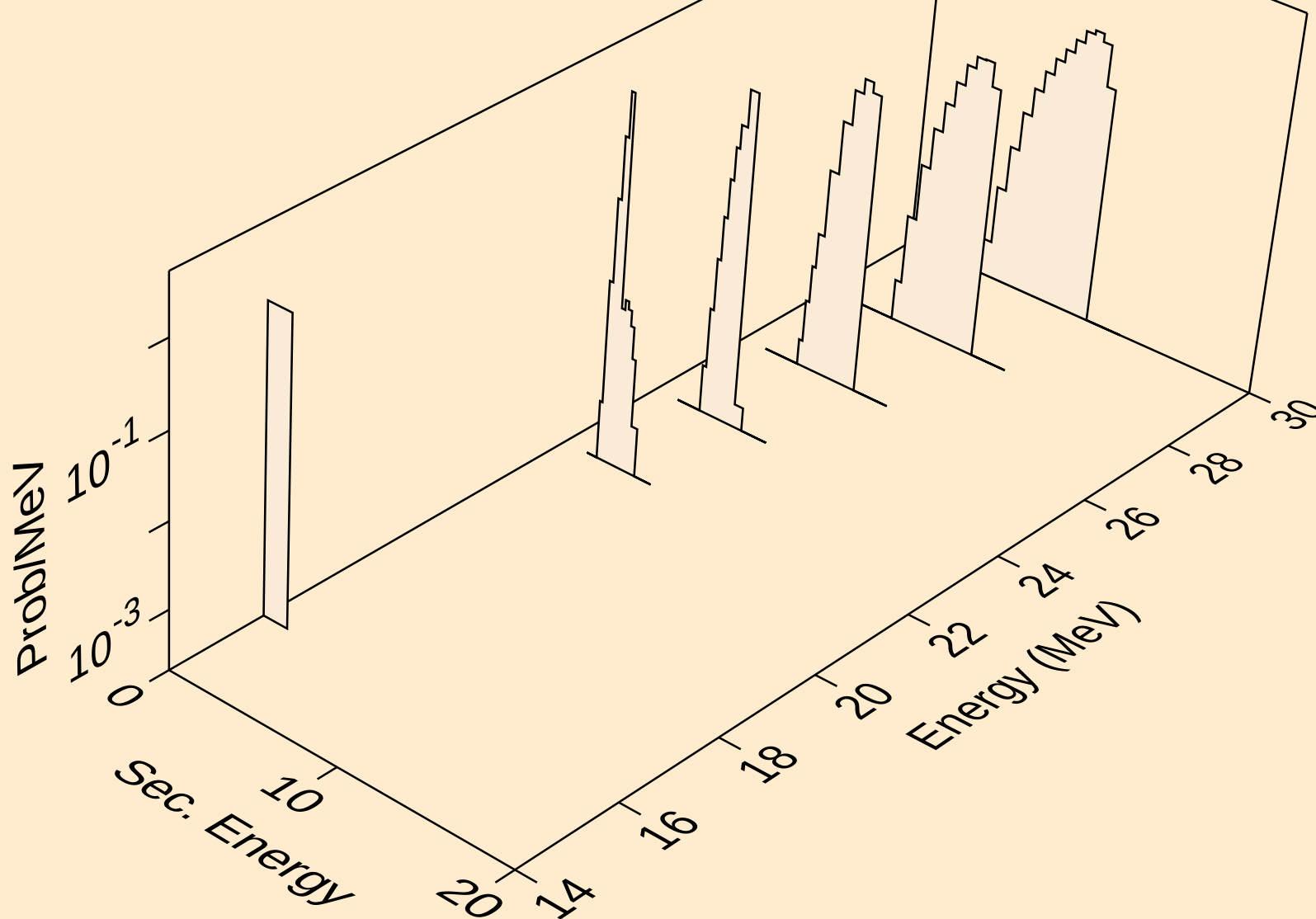
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deuterons from (a,n\*)d



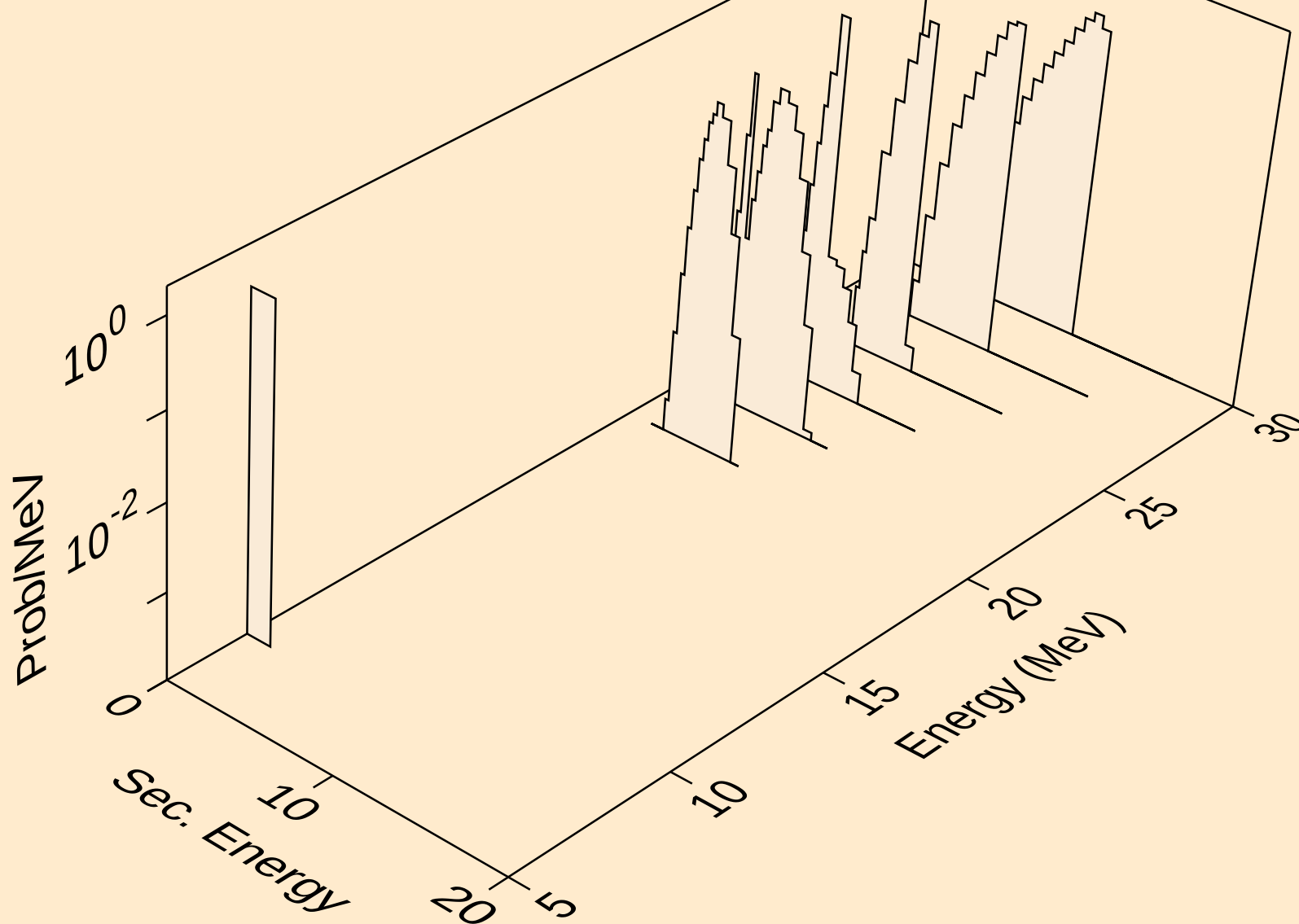
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deuterons from (a,d)



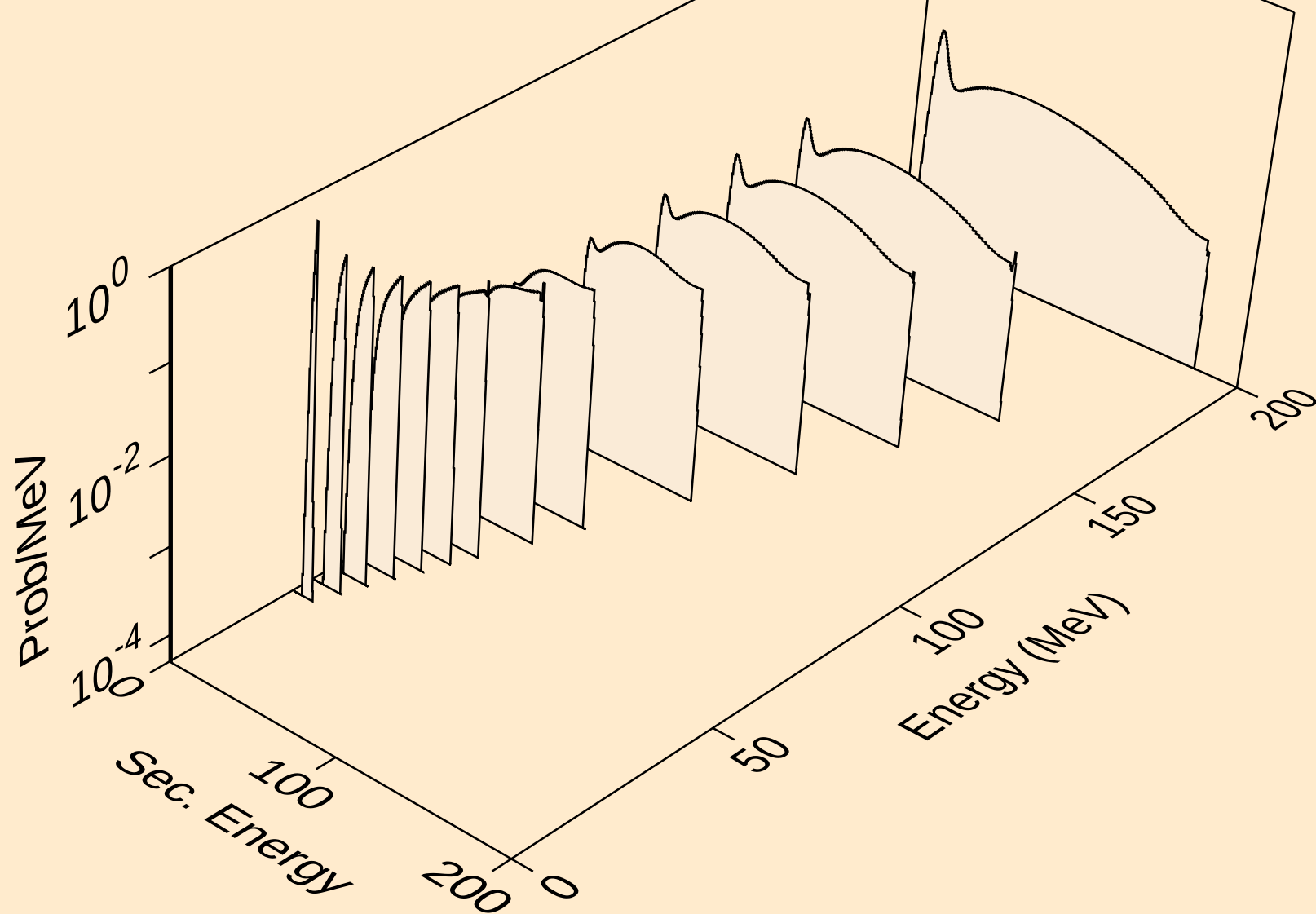
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deuterons from (a,pd)



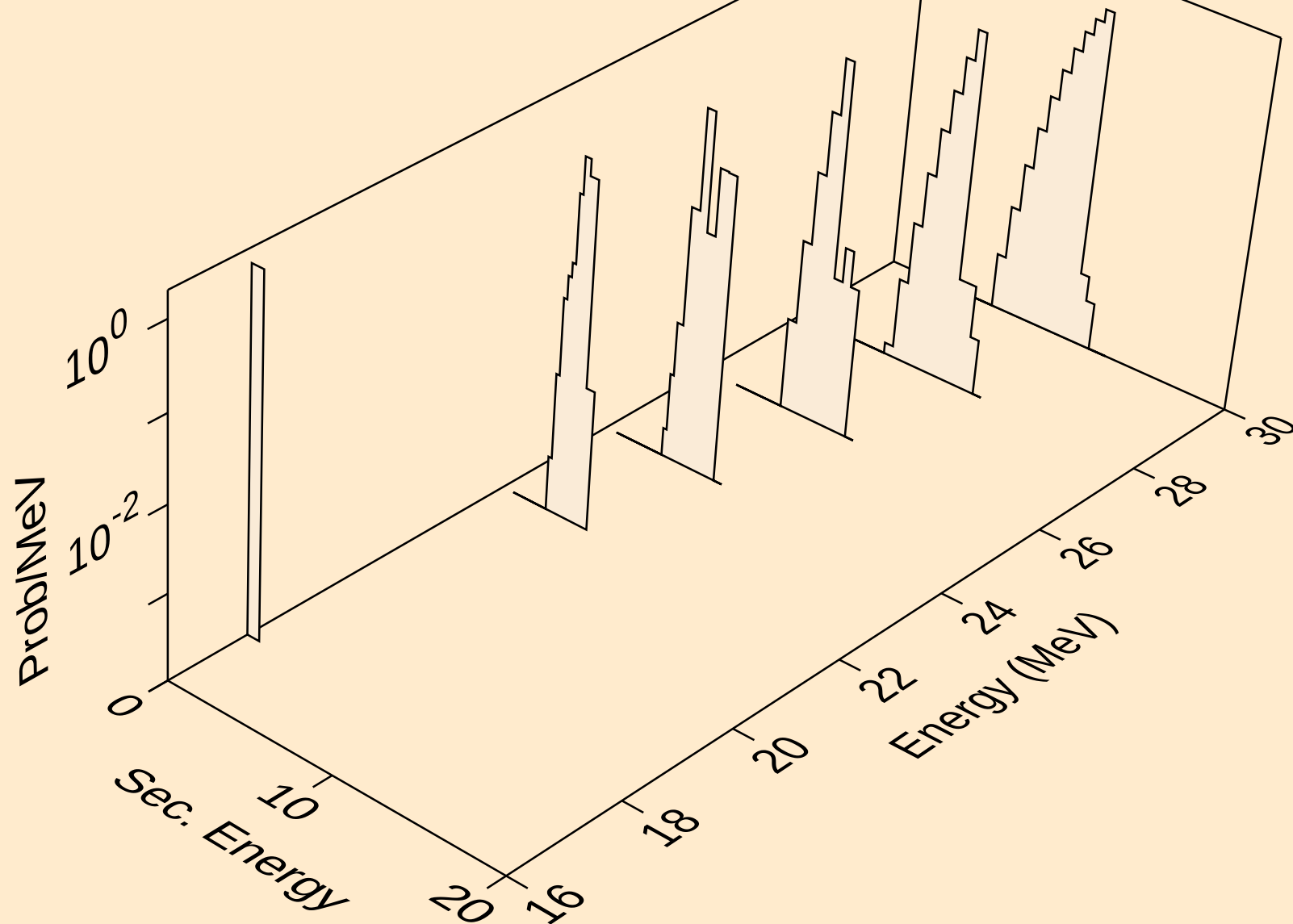
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,da)



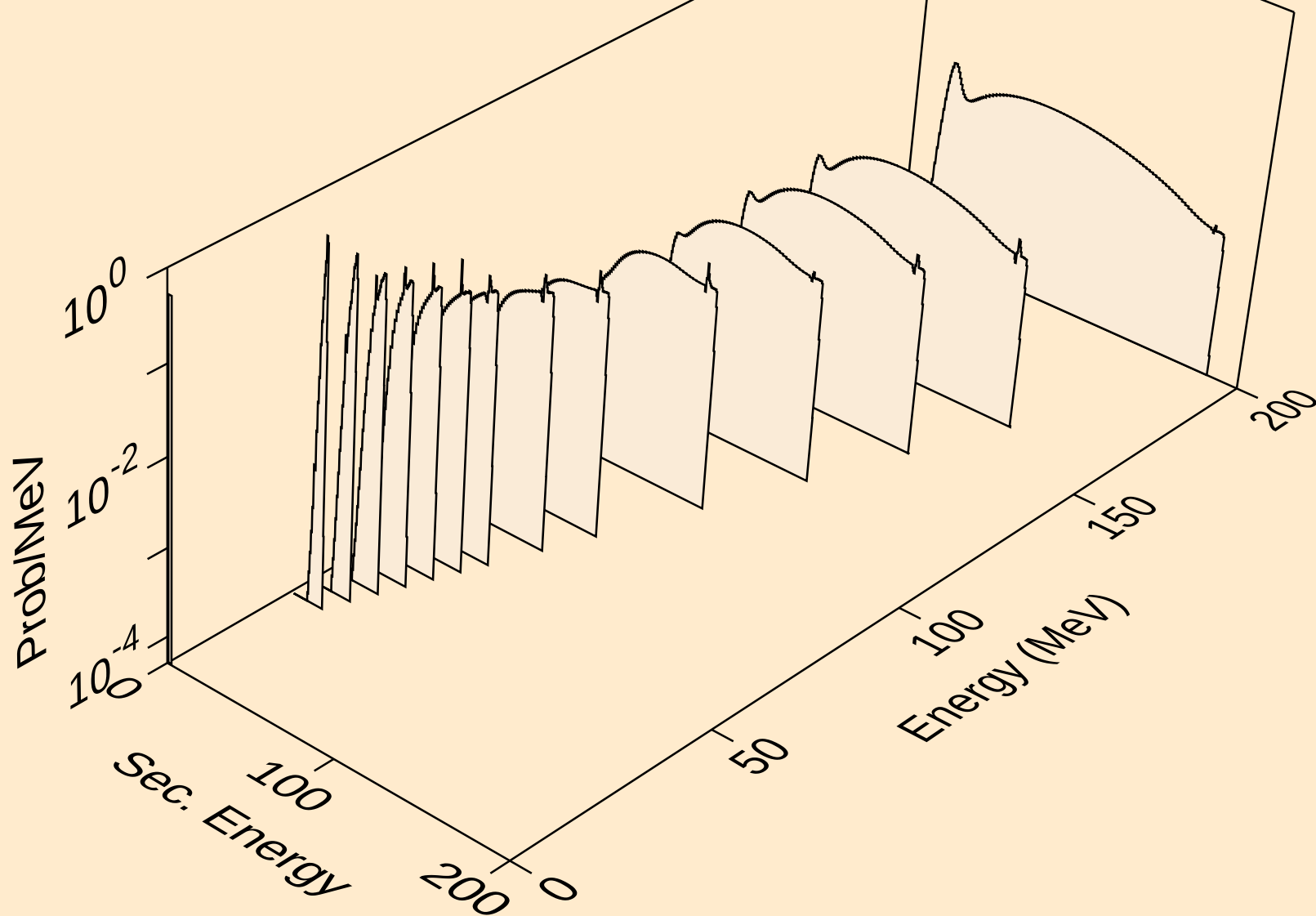
TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



TA164 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

