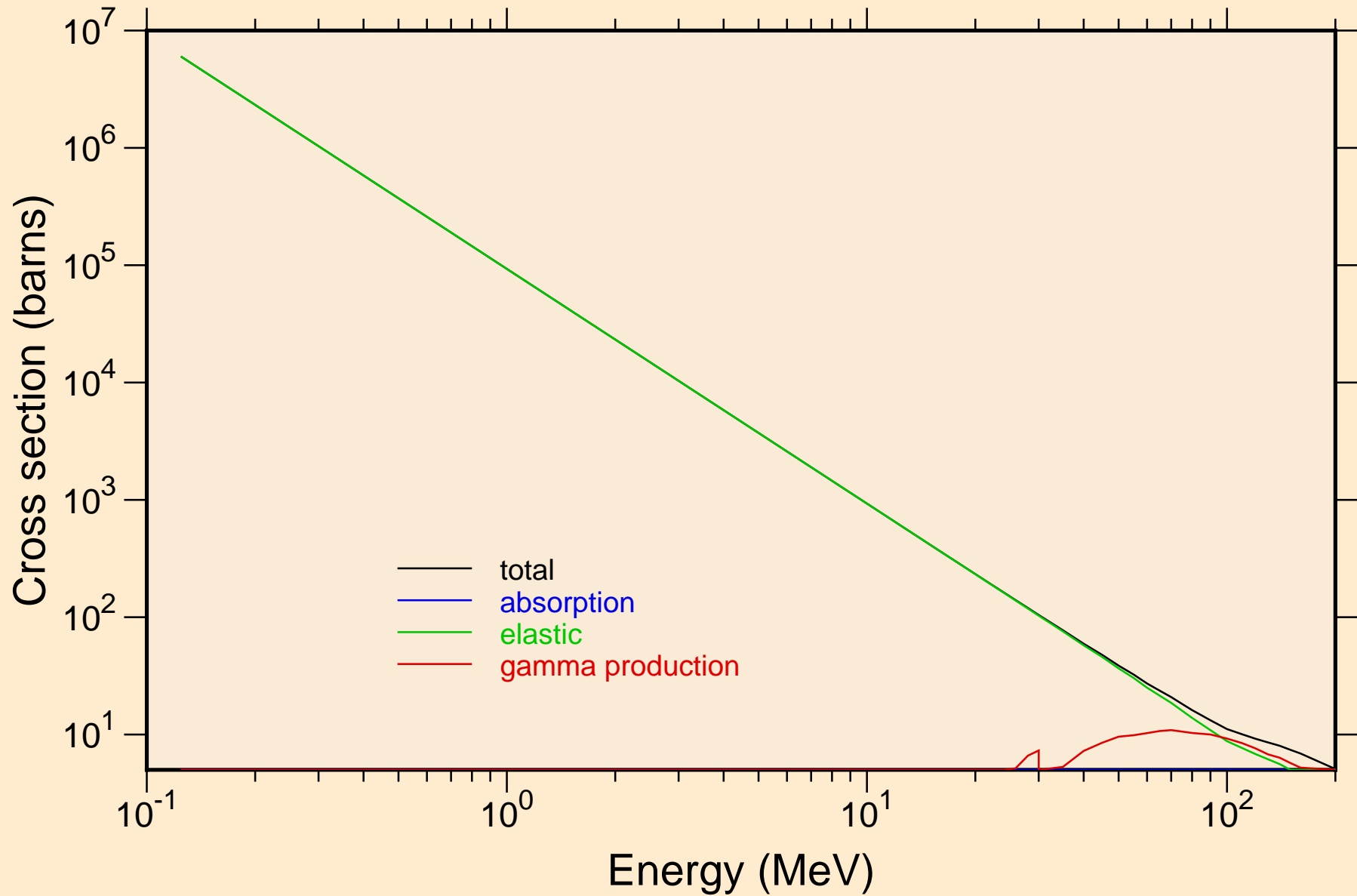
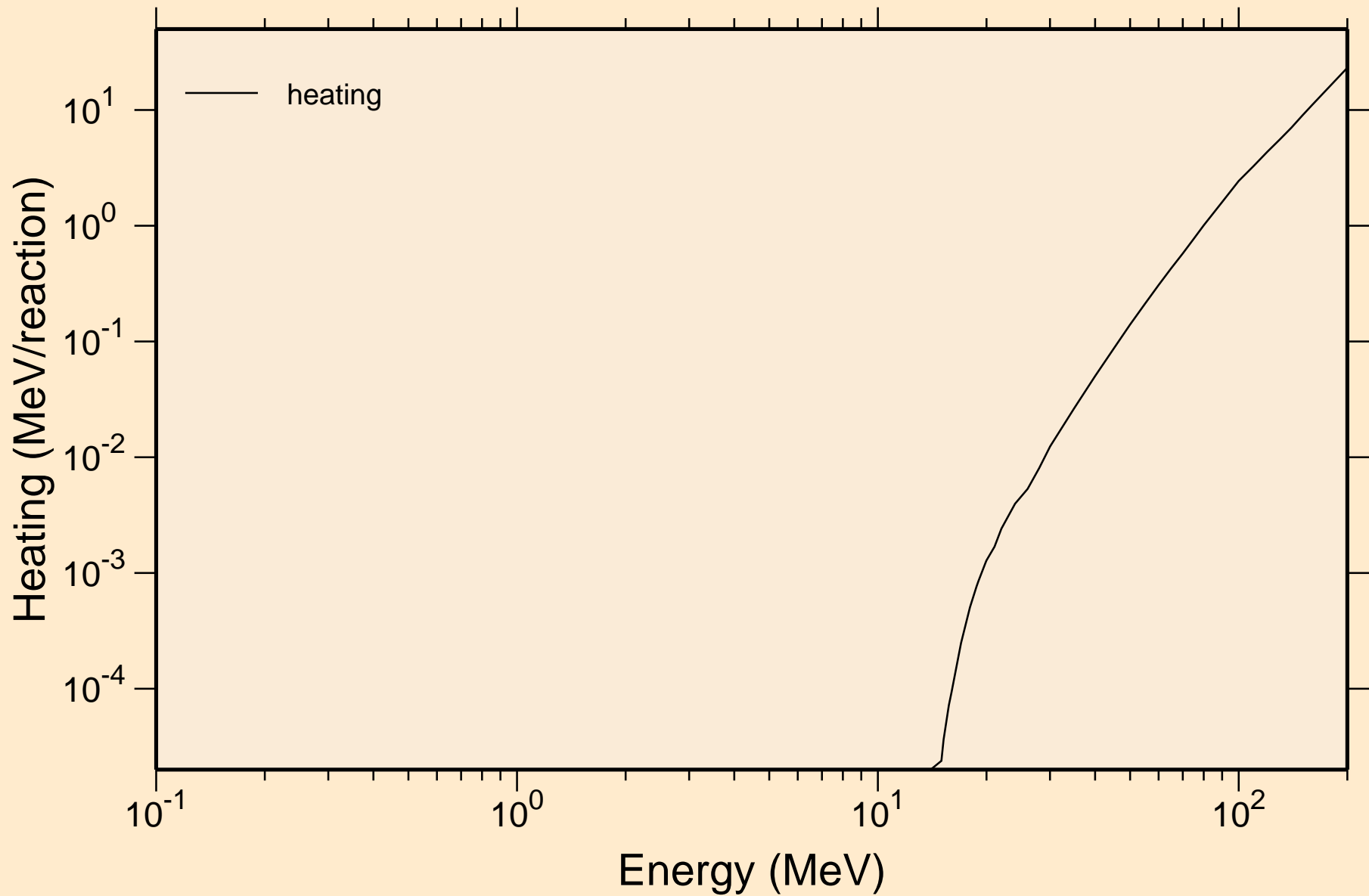


# ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

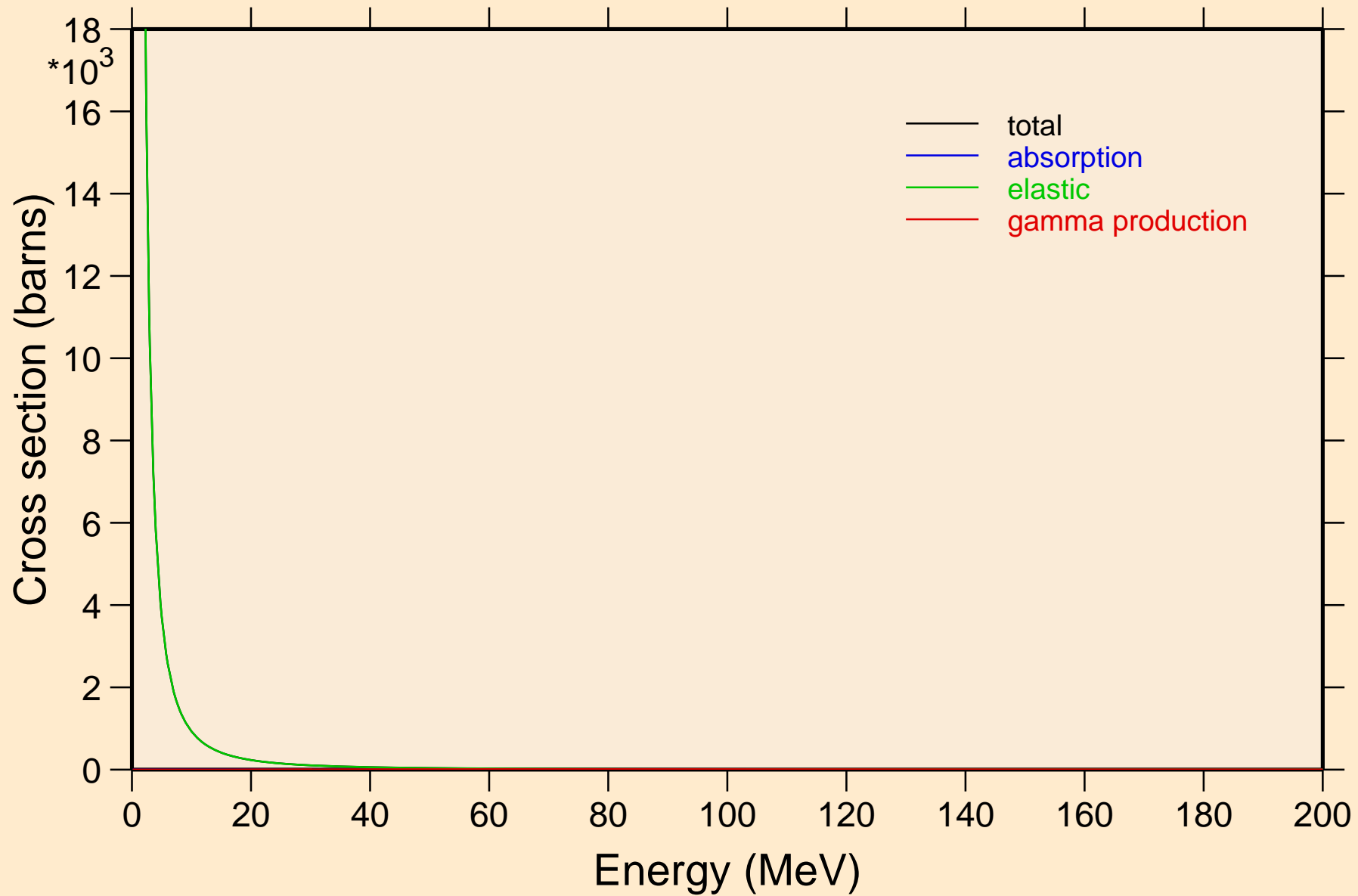


ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Heating



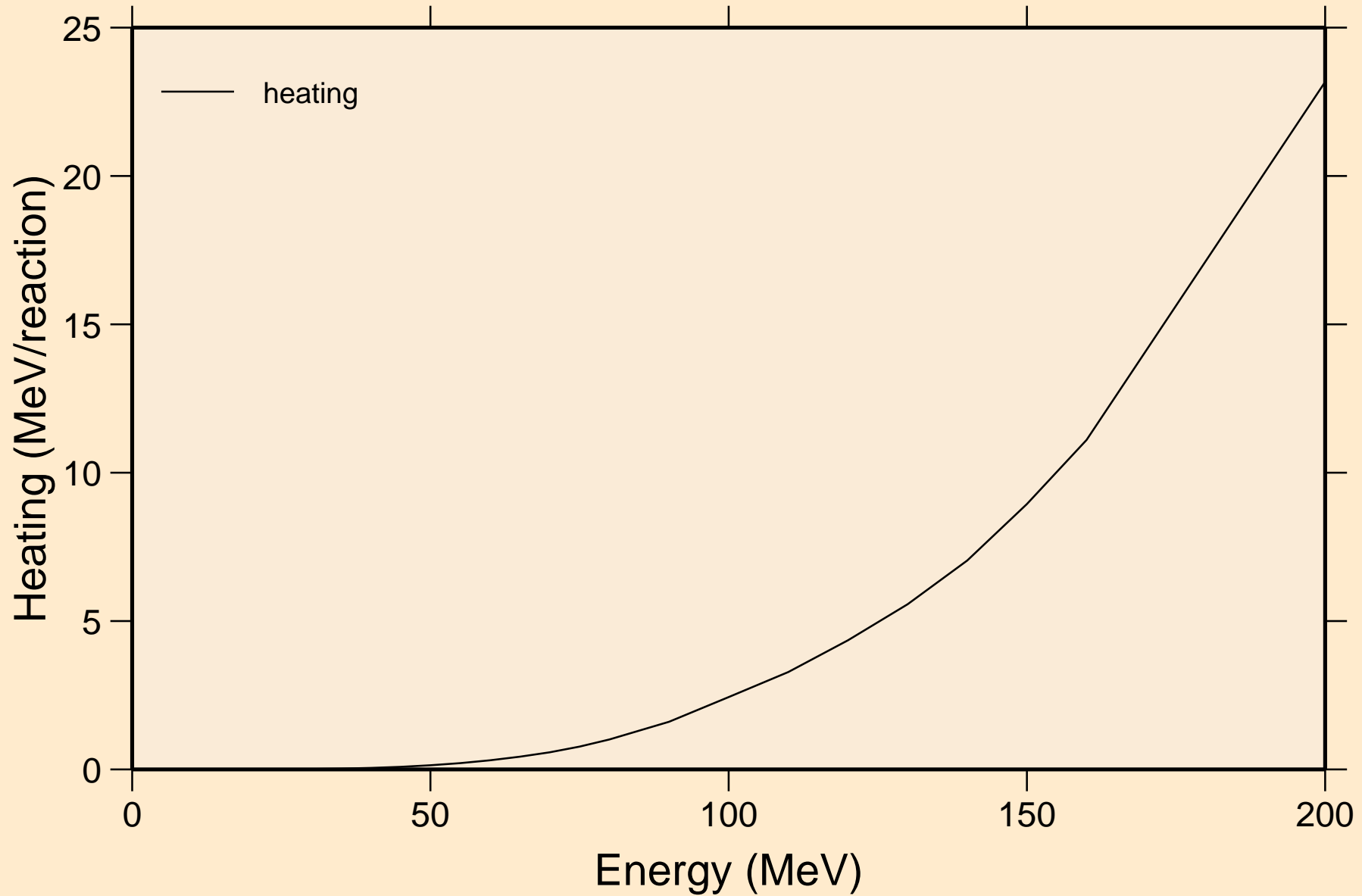
# ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



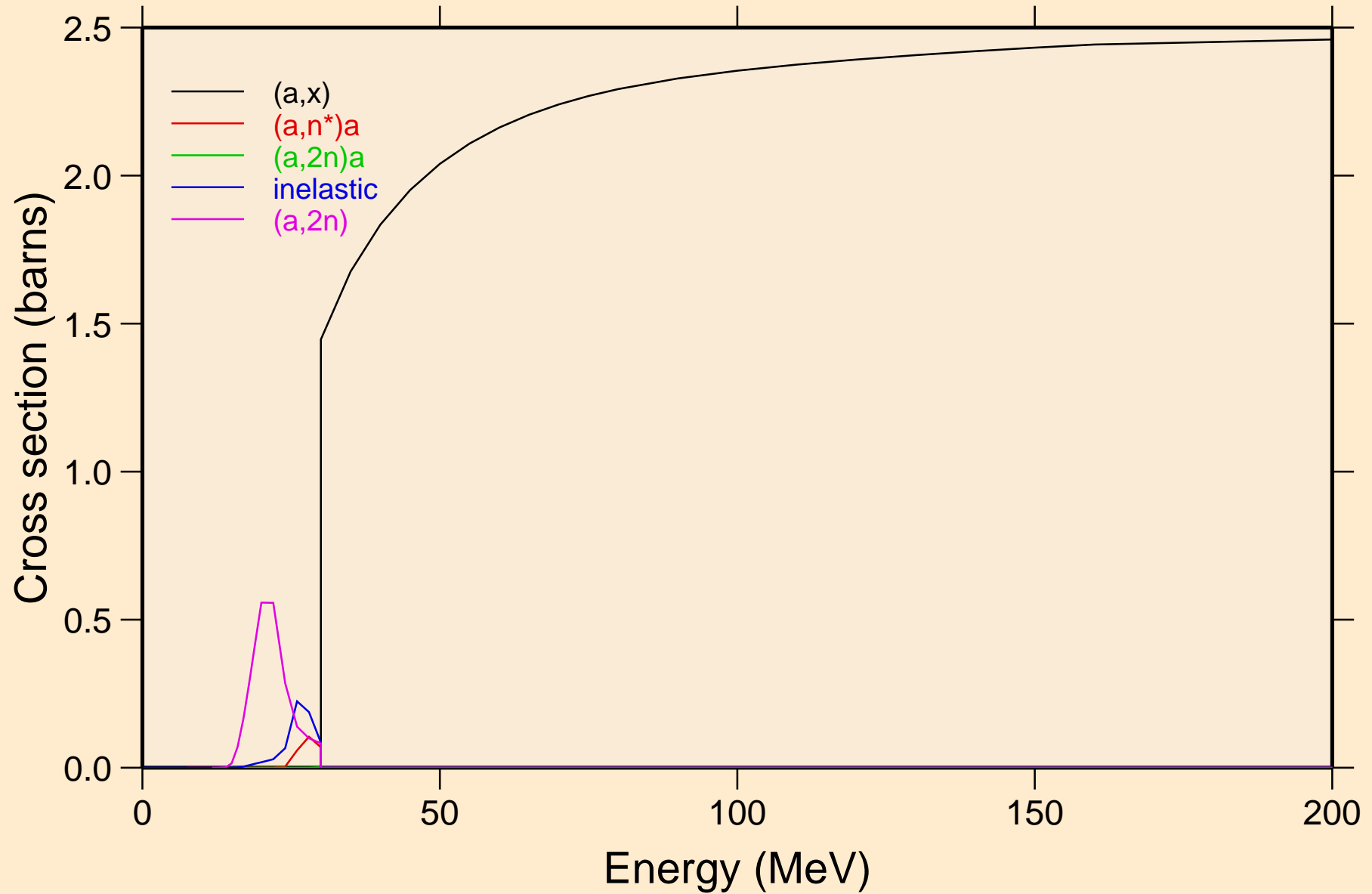
# ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating

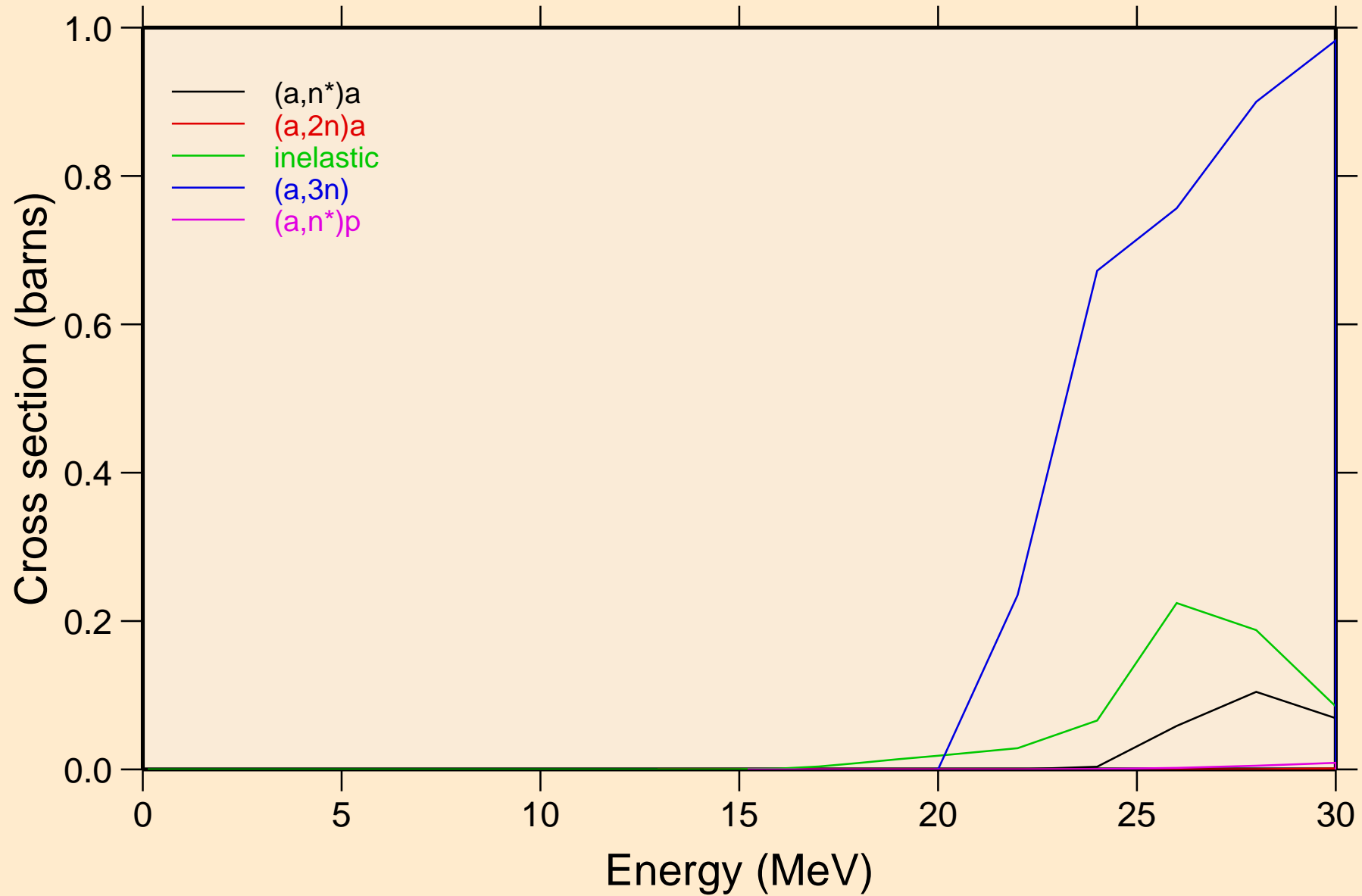


# ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

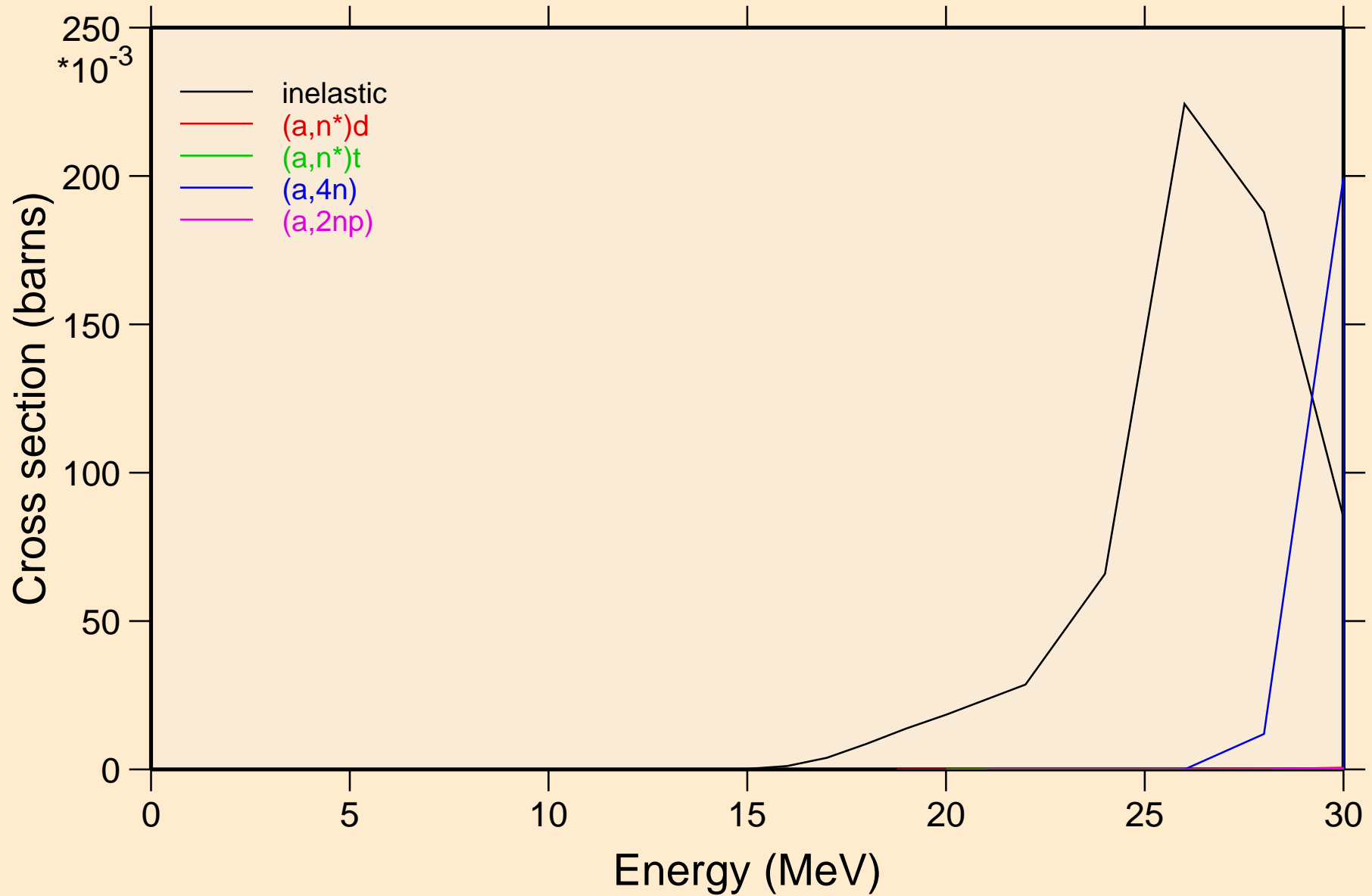
## Threshold reactions



ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

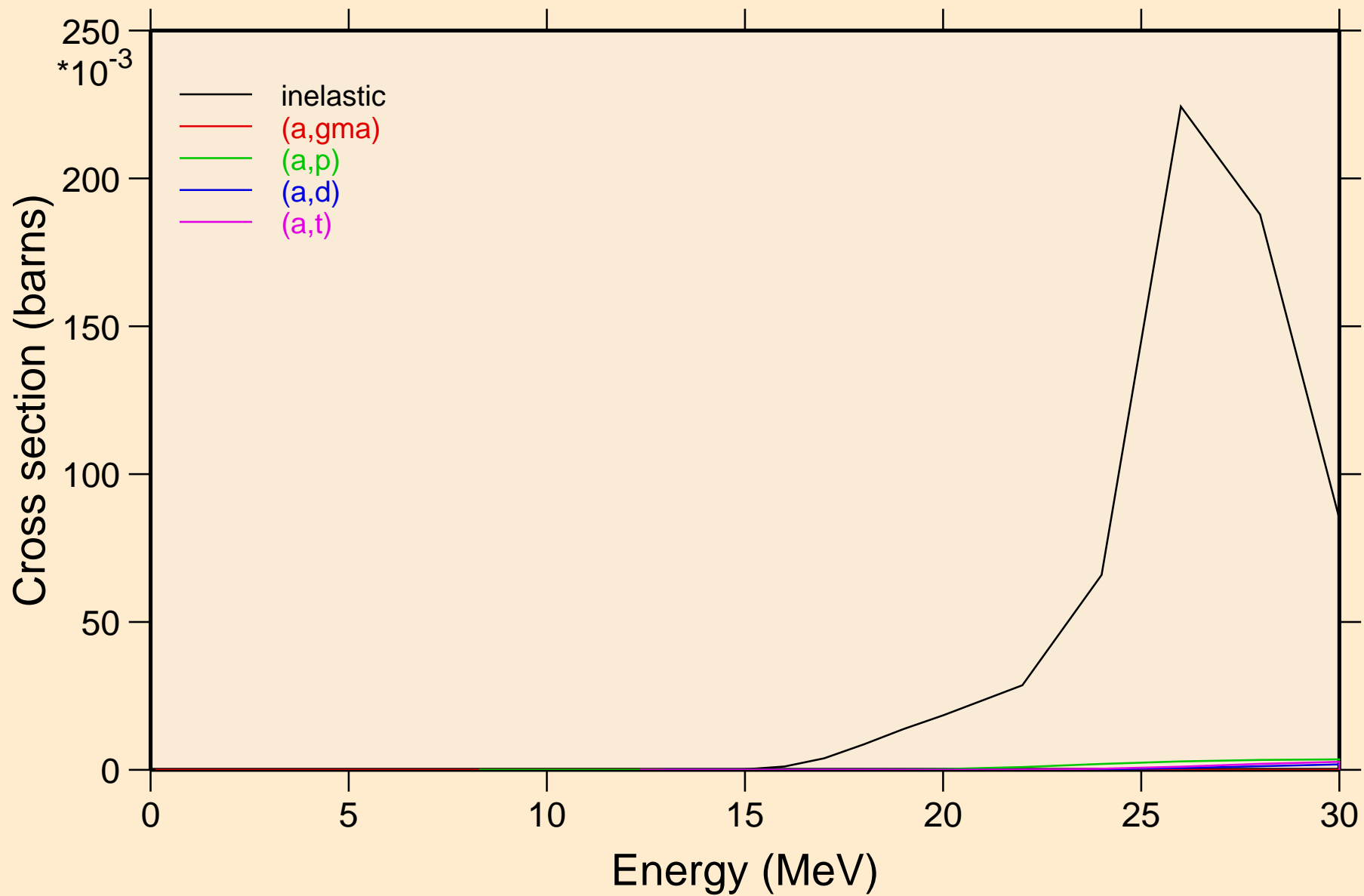


ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

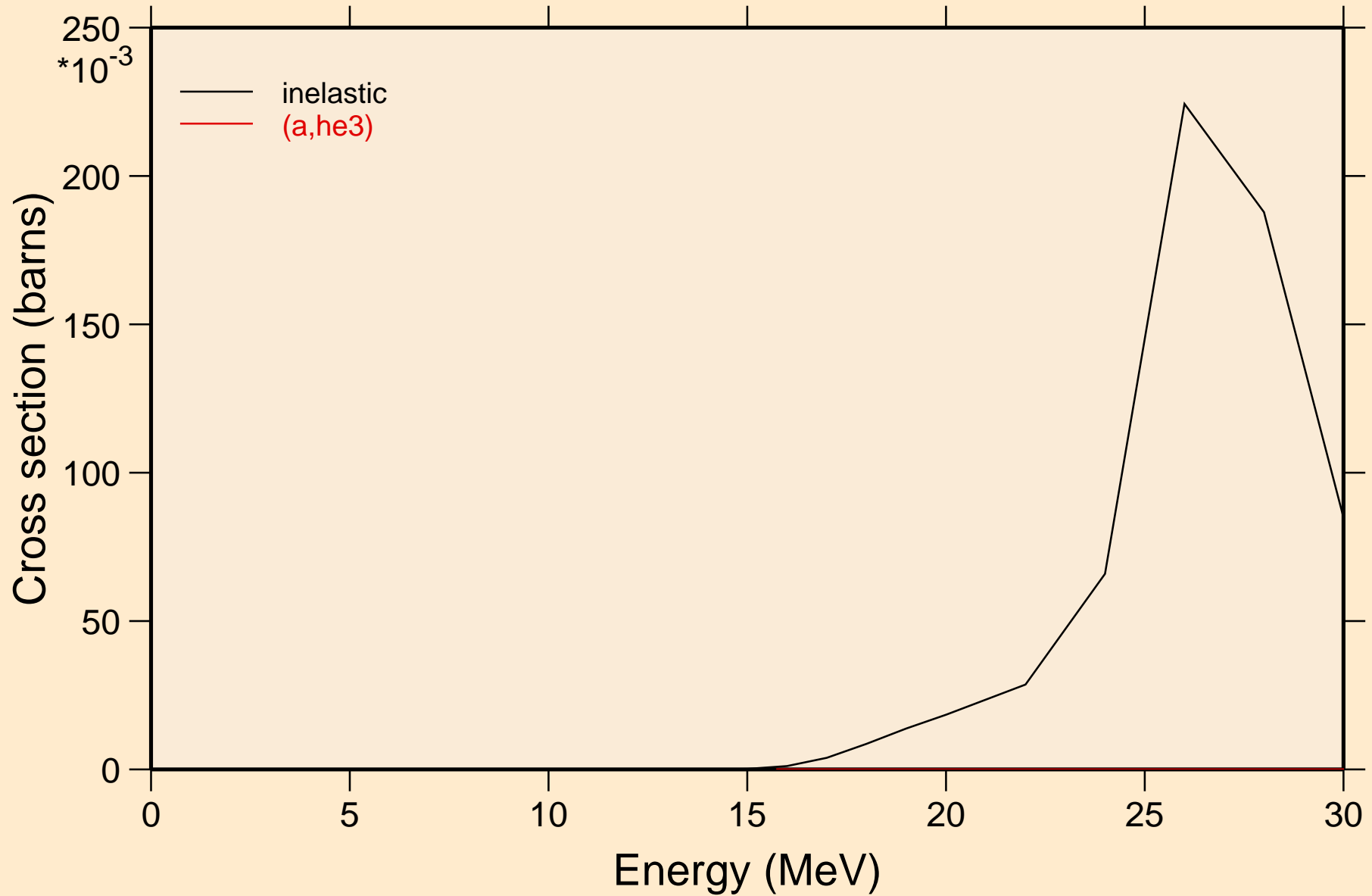


# ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

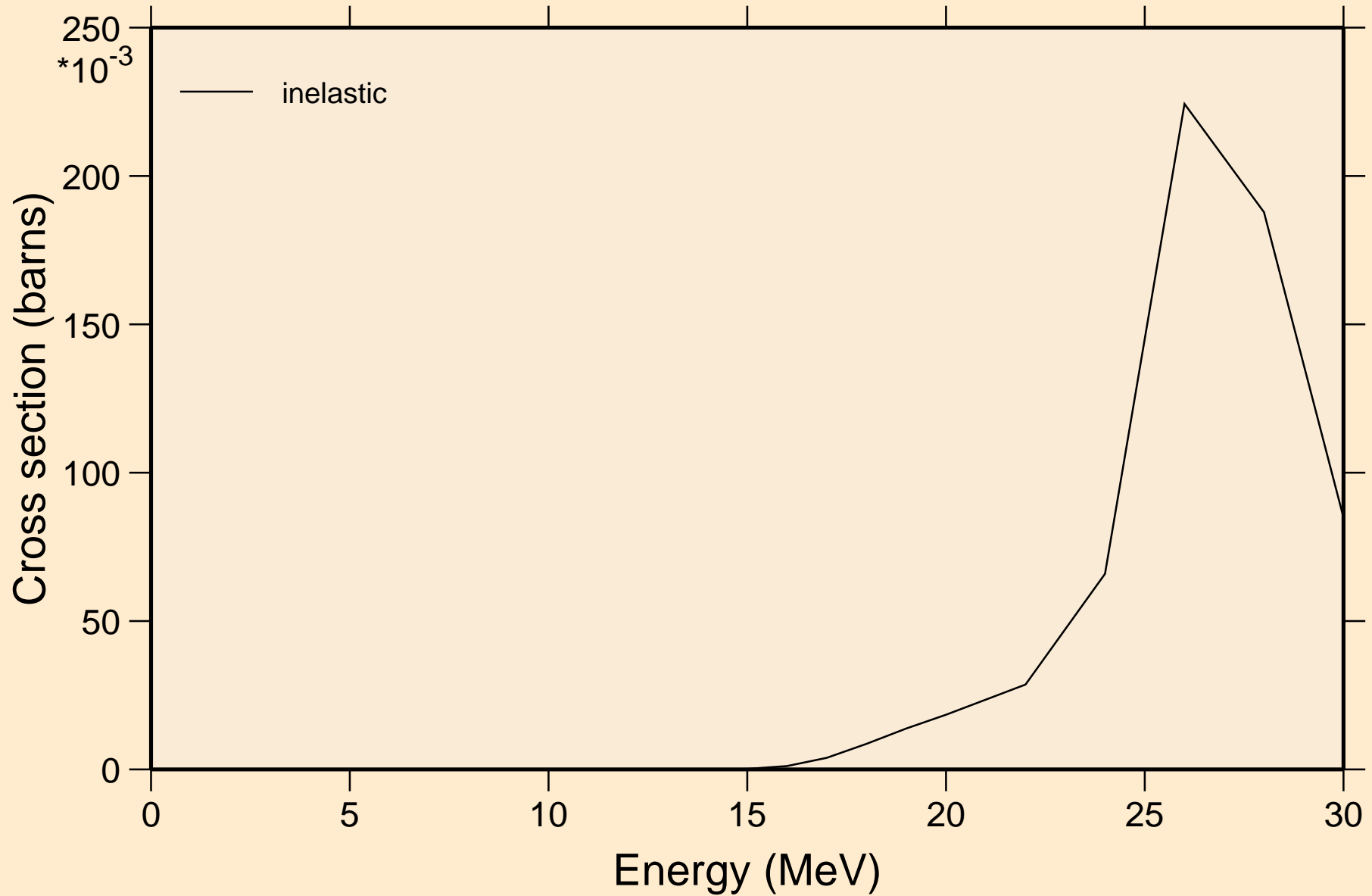
## Threshold reactions



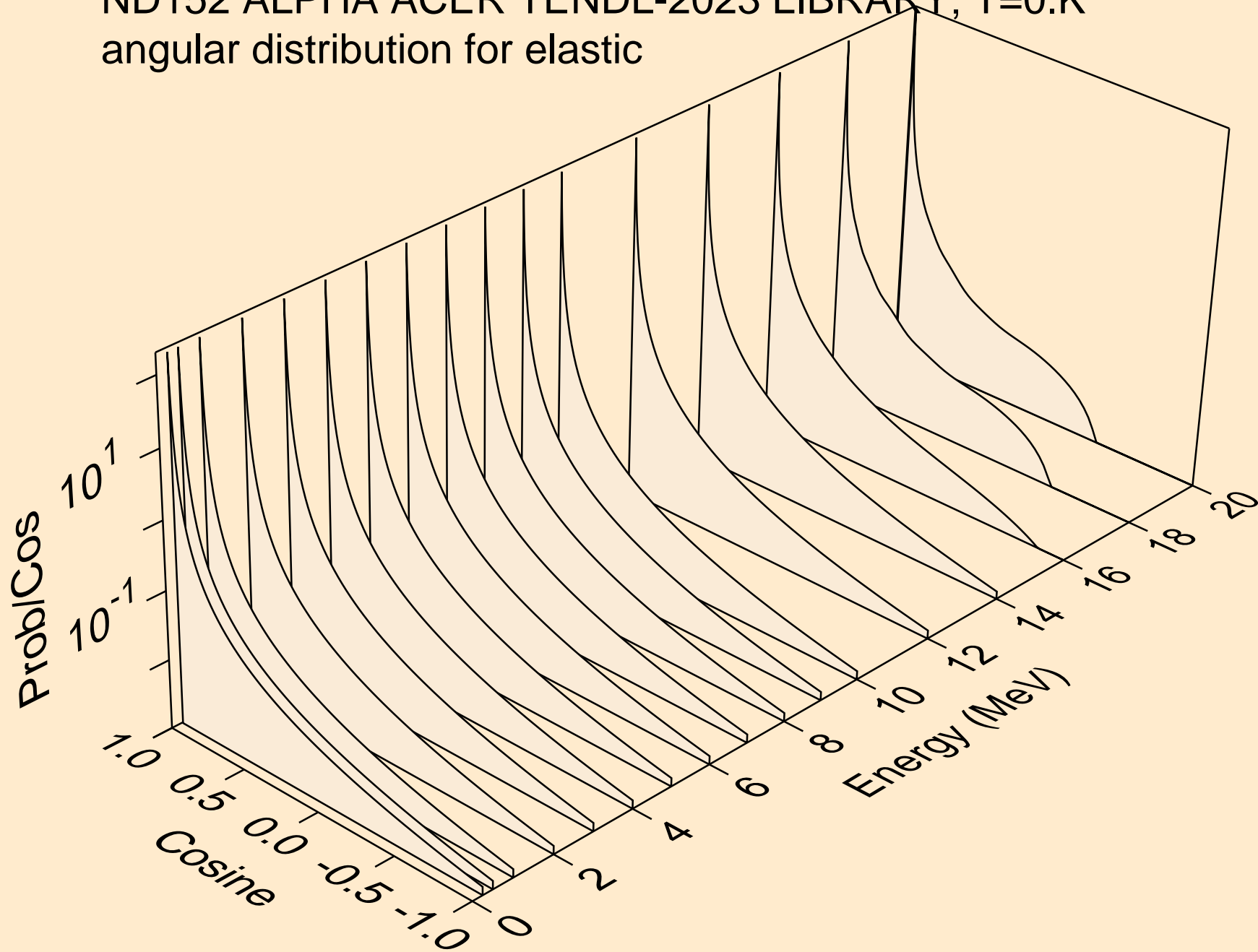
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



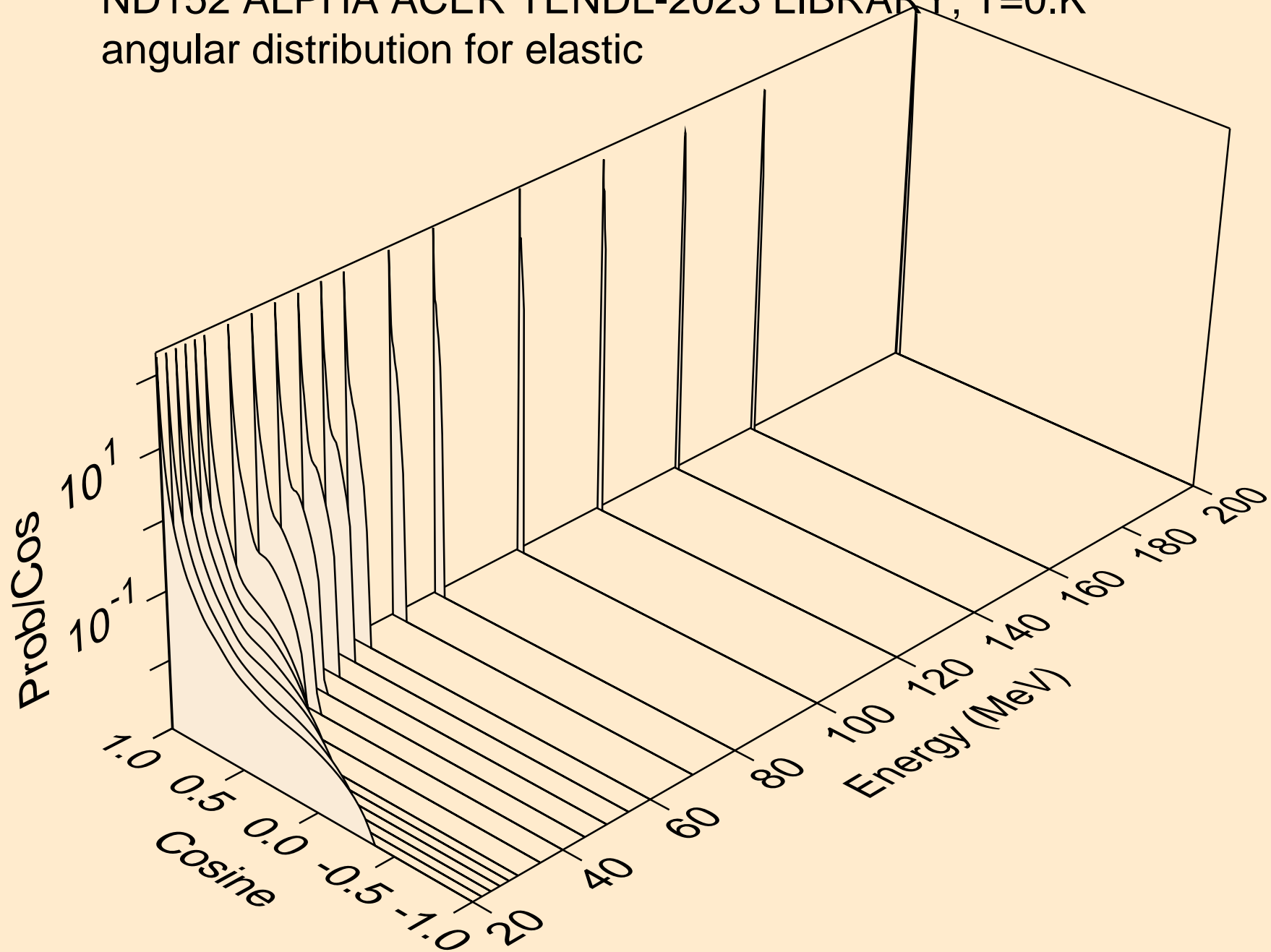
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



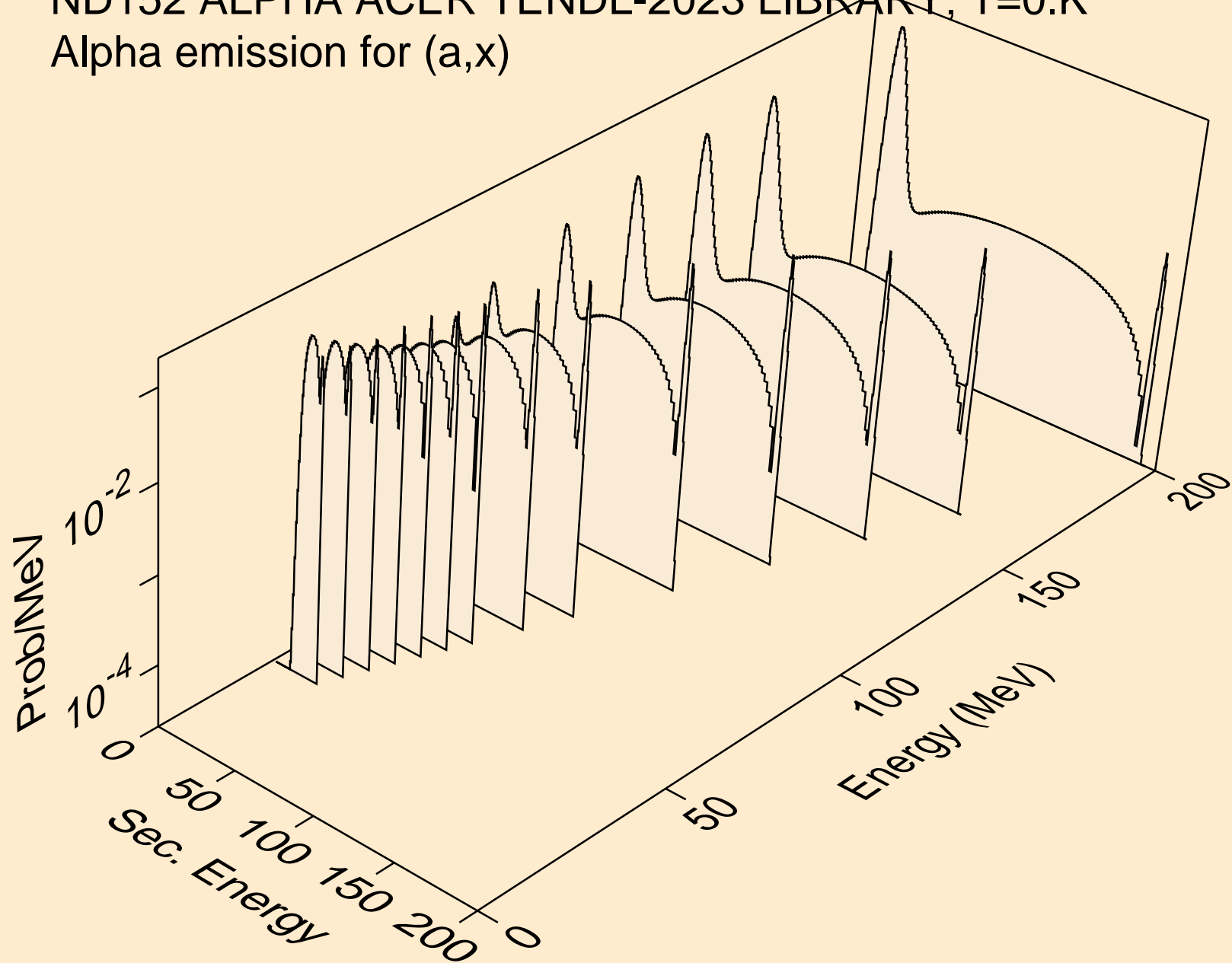
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



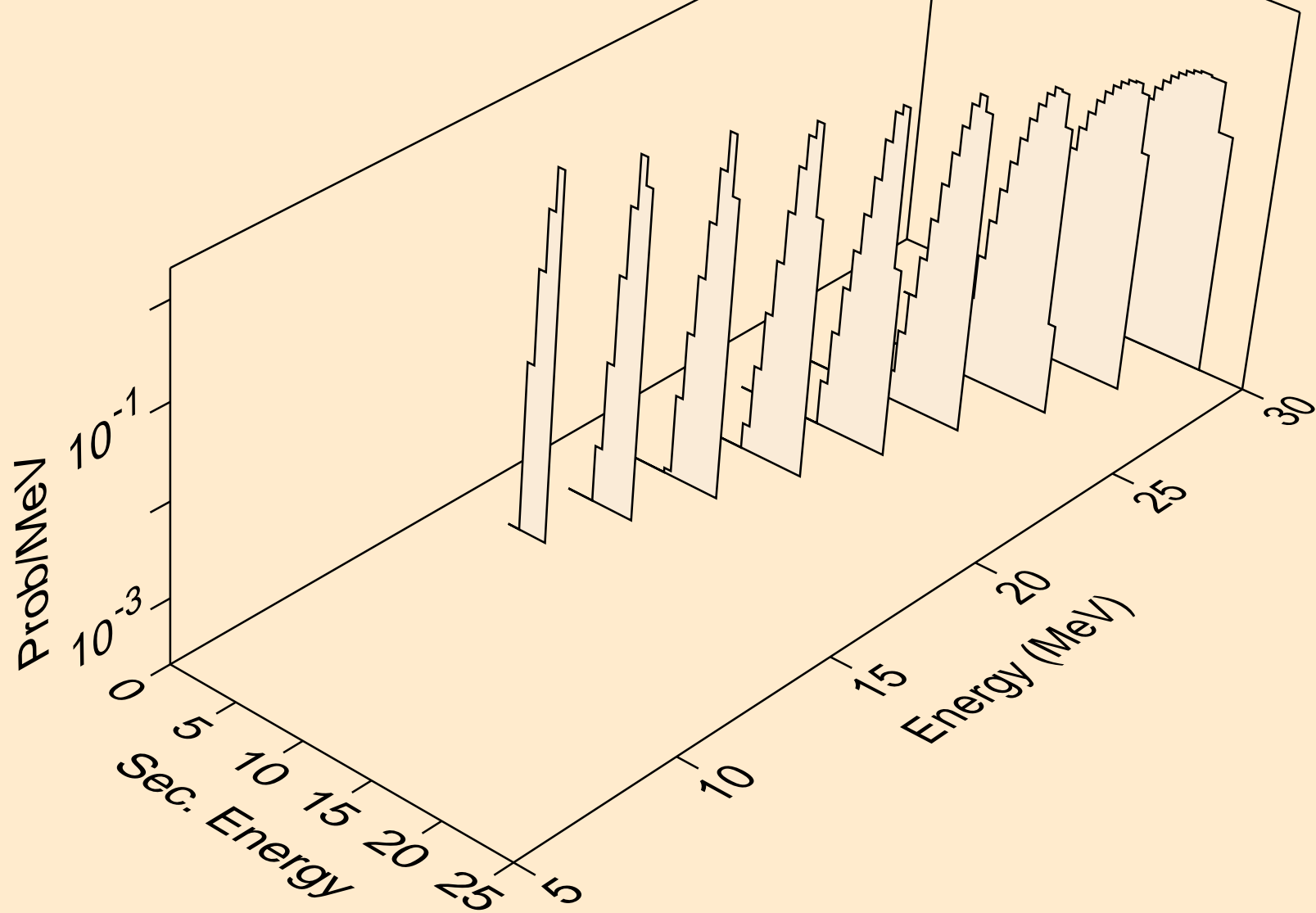
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



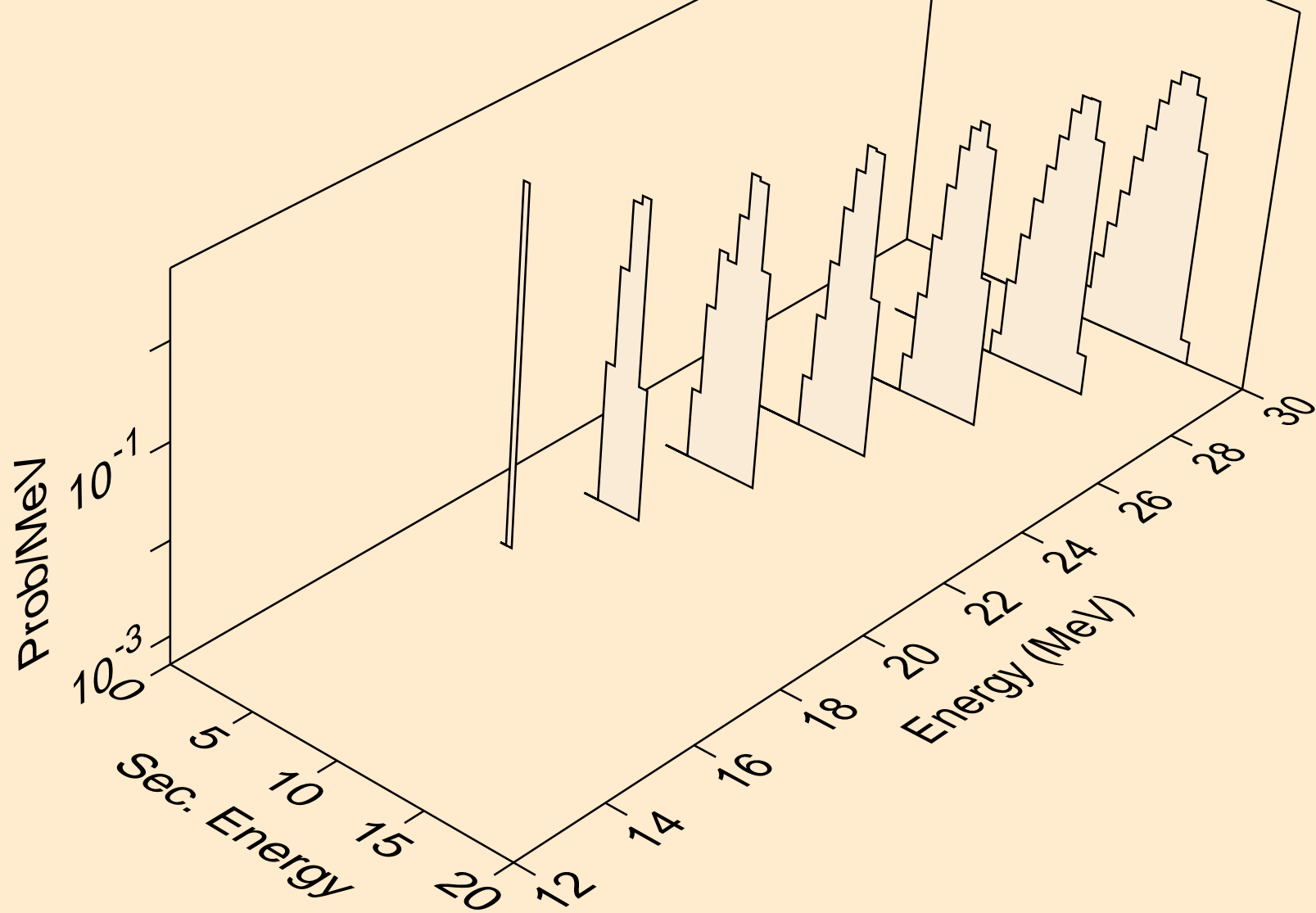
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



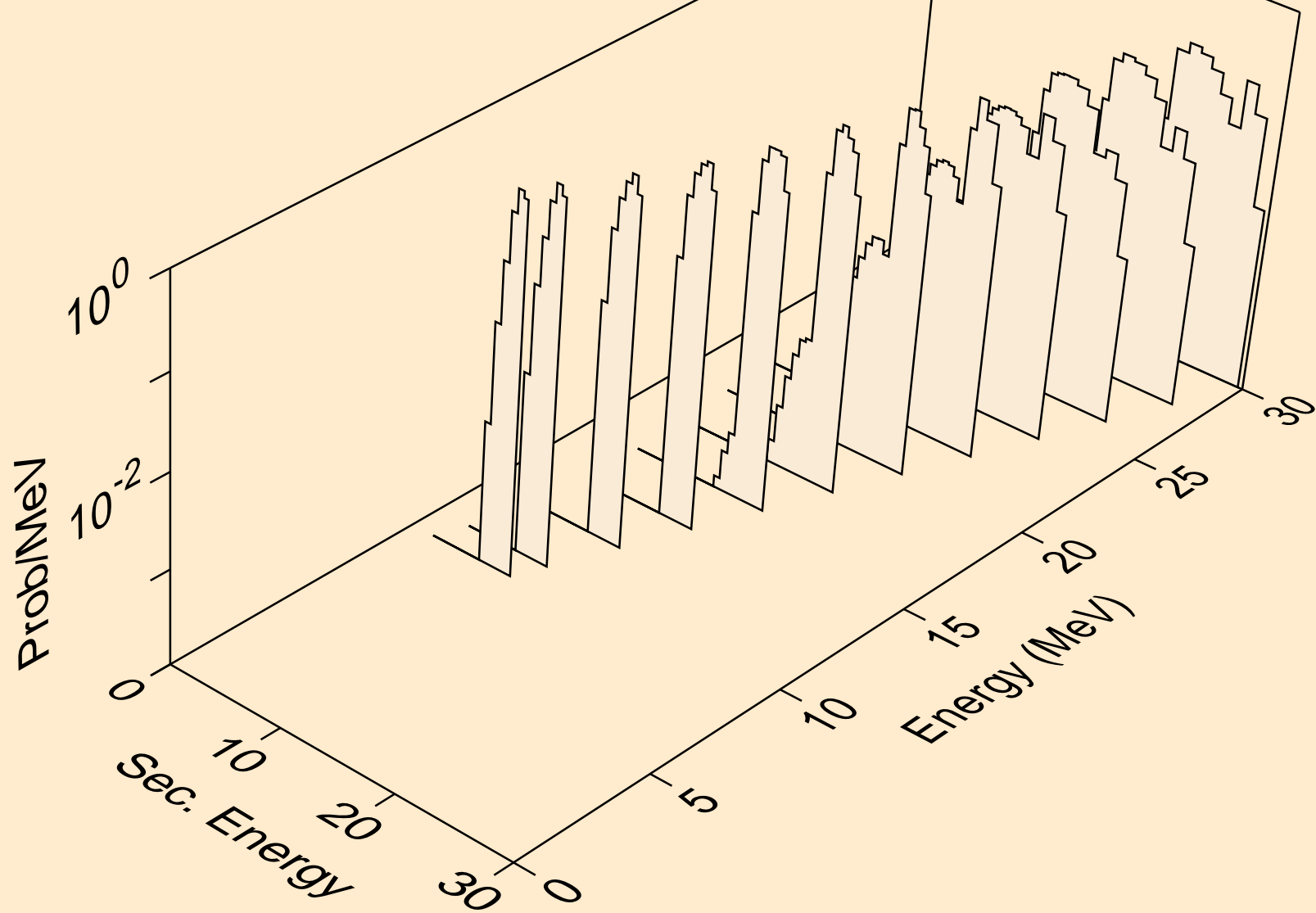
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



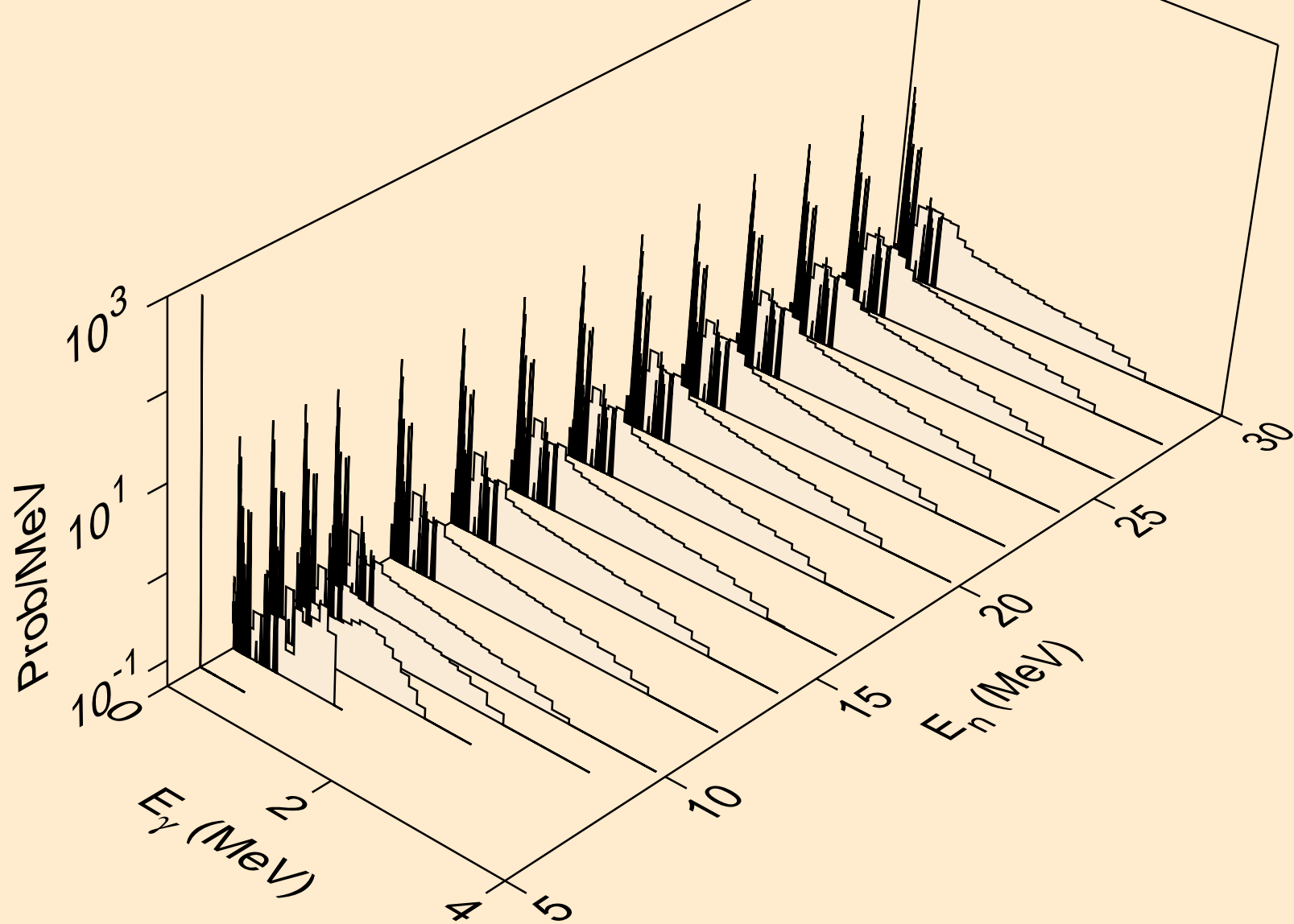
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



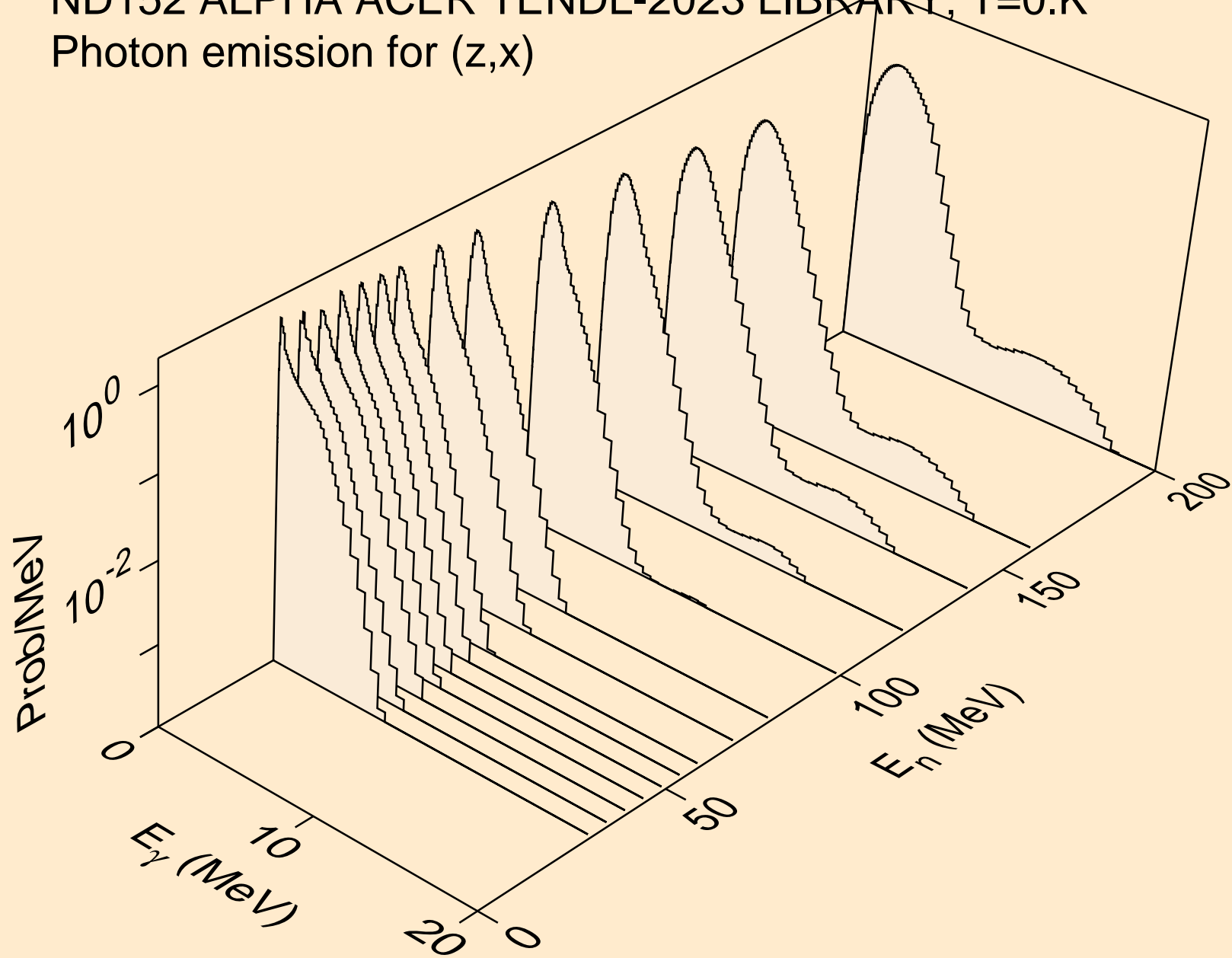
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



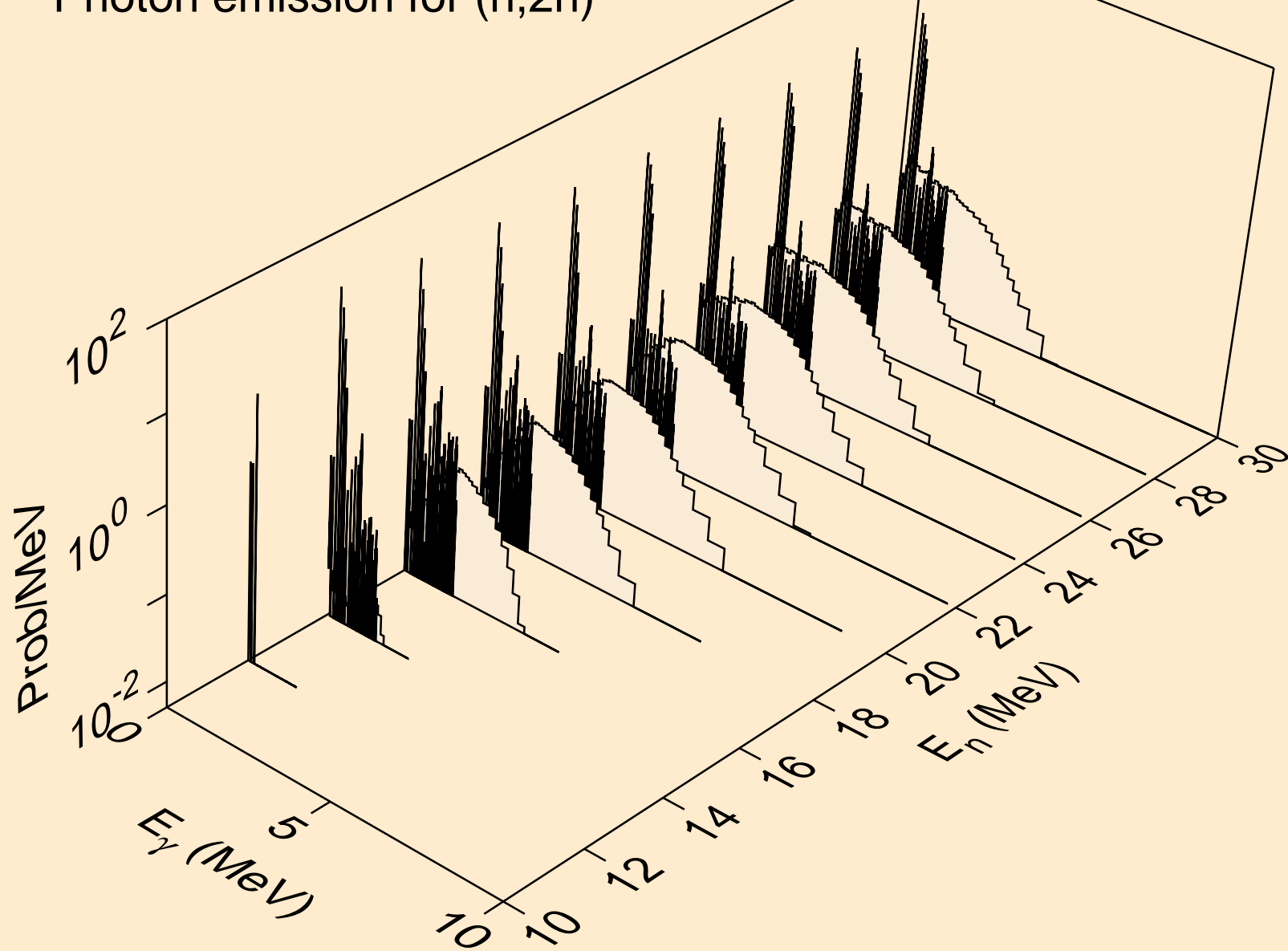
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



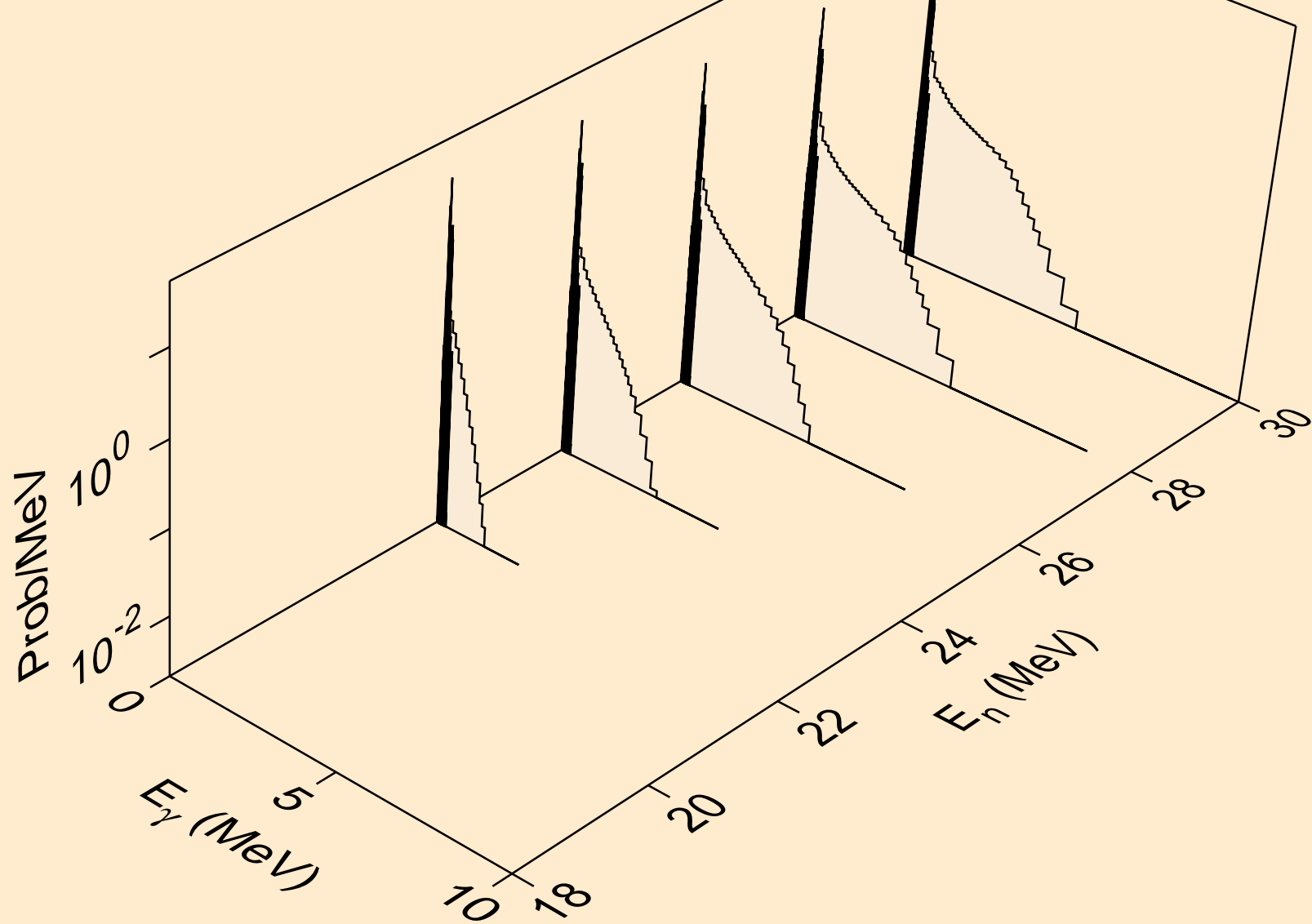
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Photon emission for (z,x)



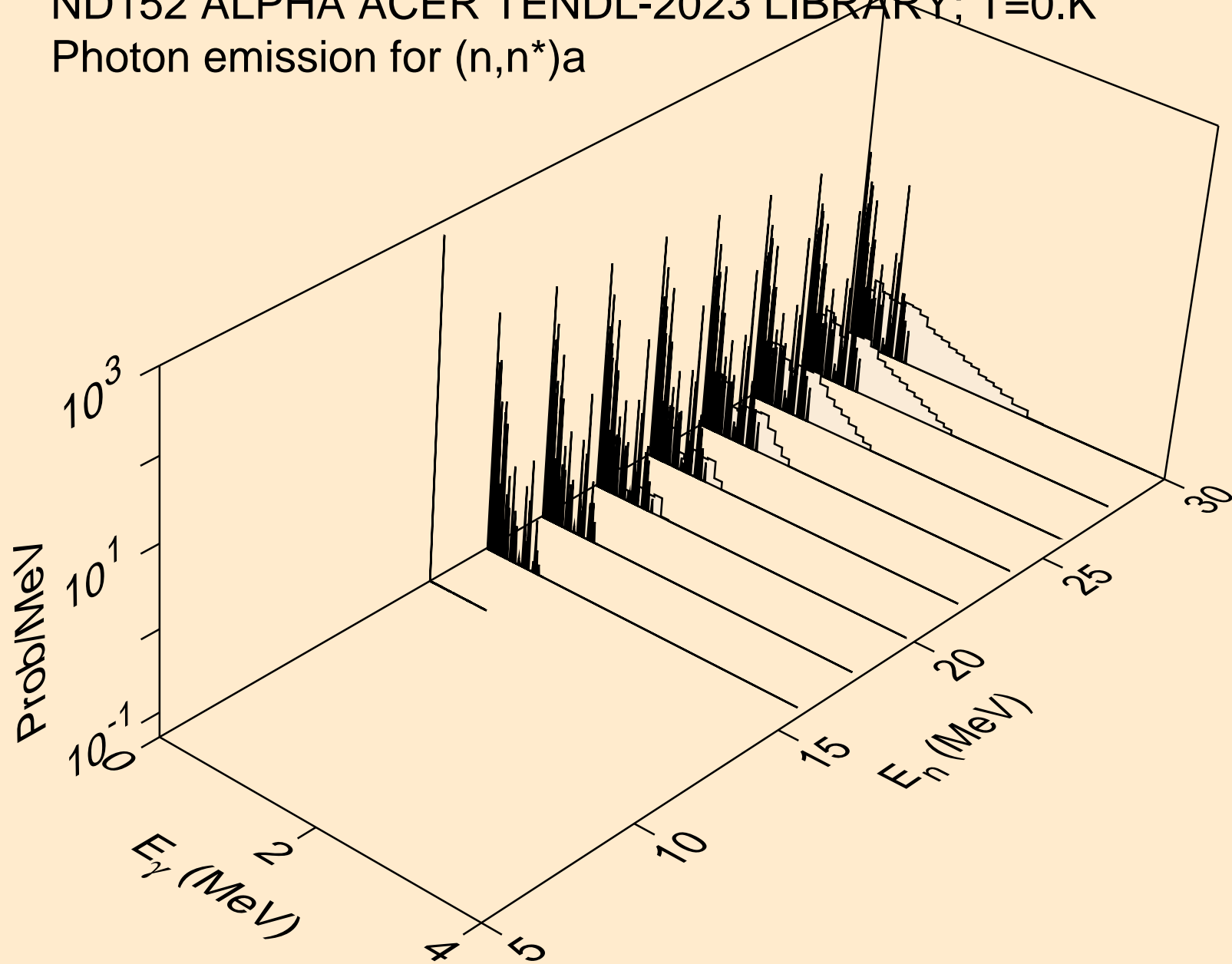
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



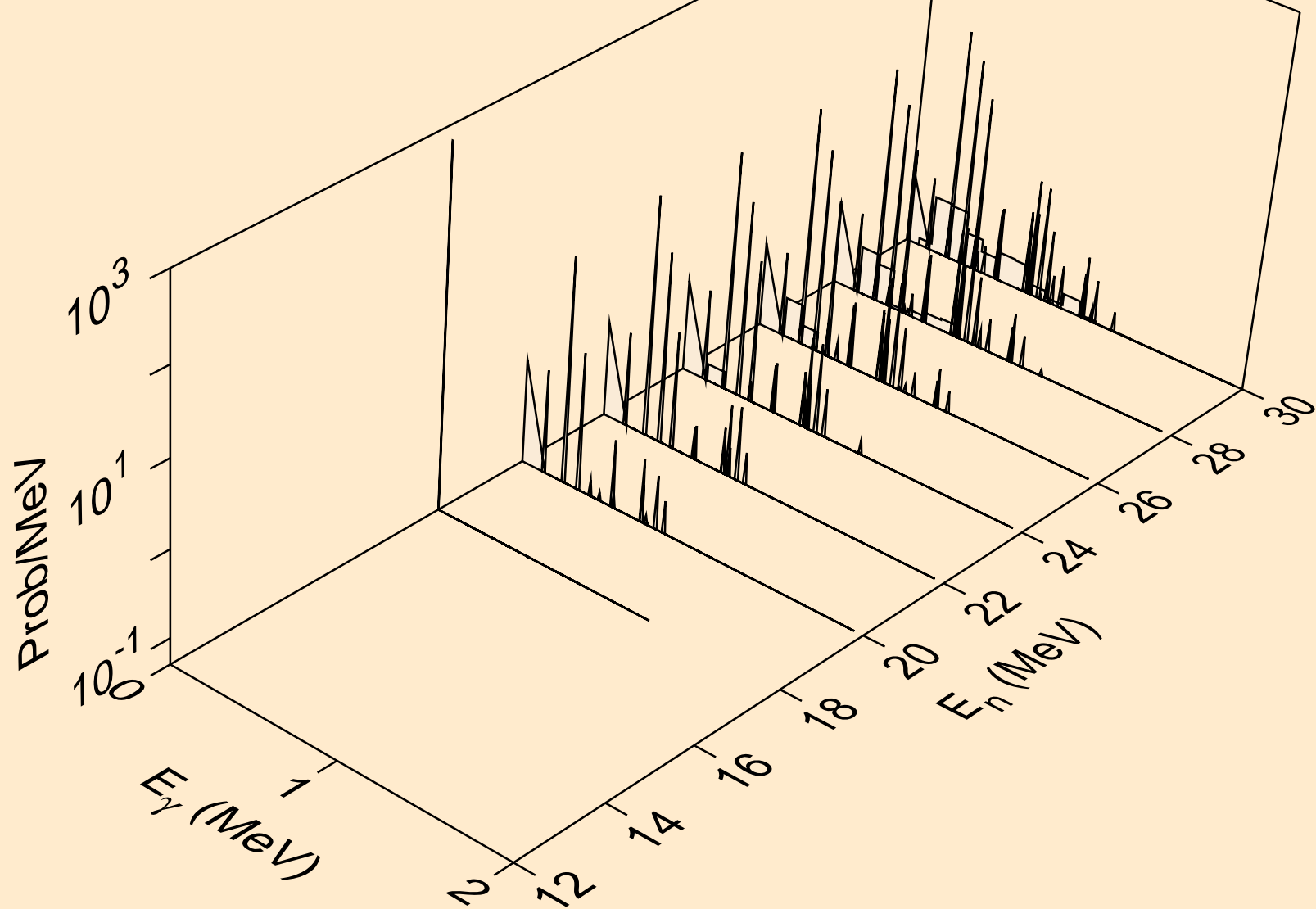
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



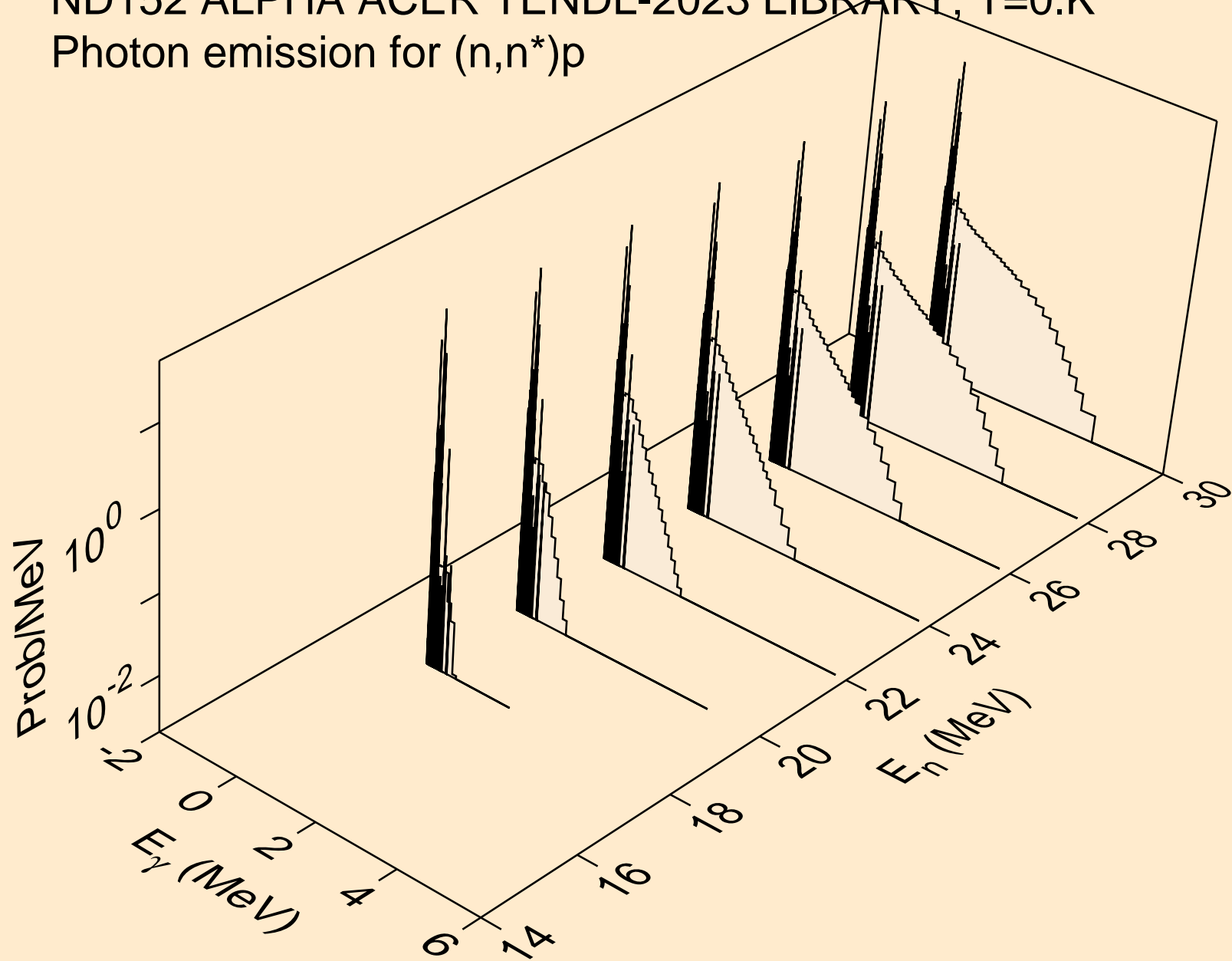
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



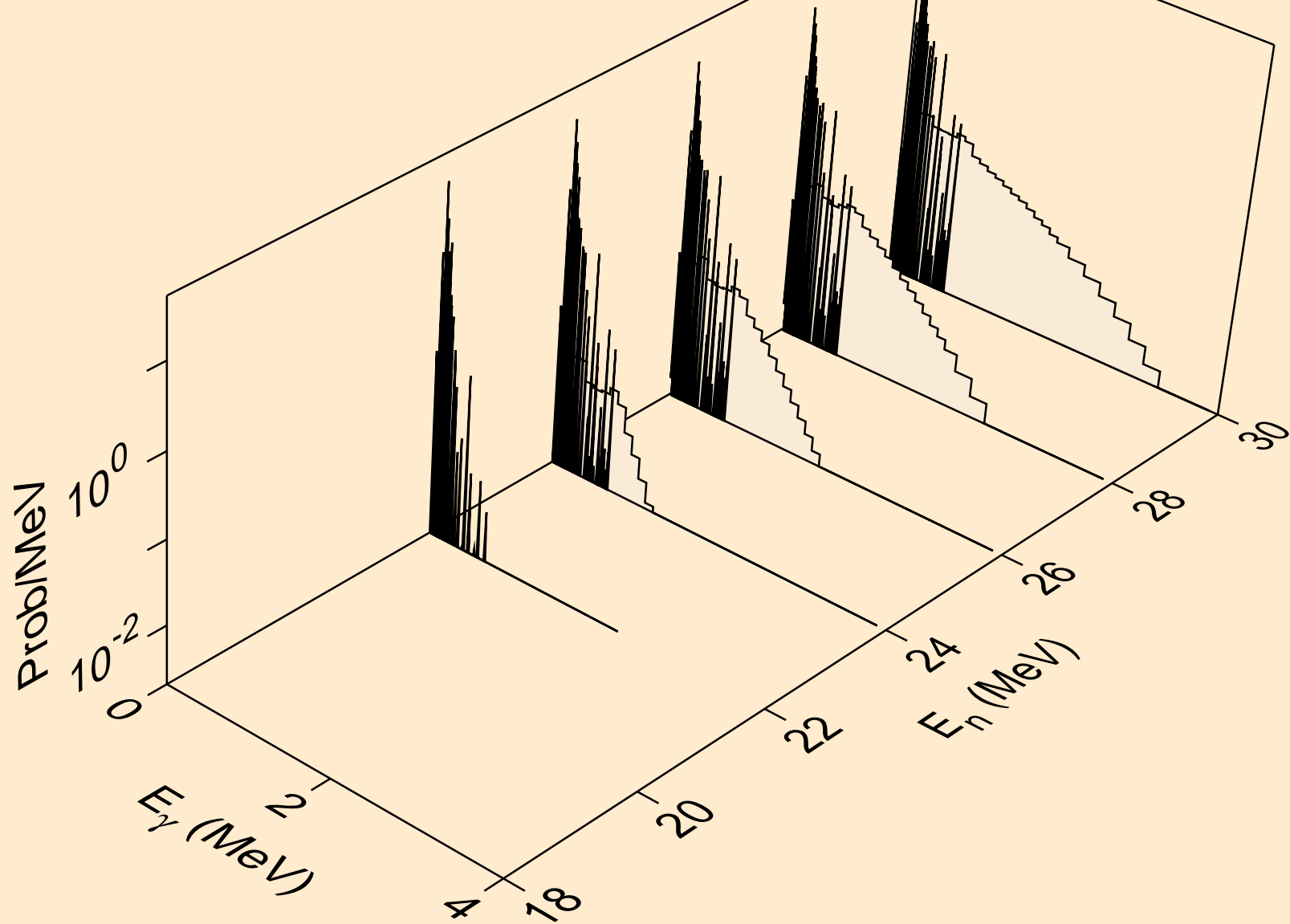
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Photon emission for (n,2n)a



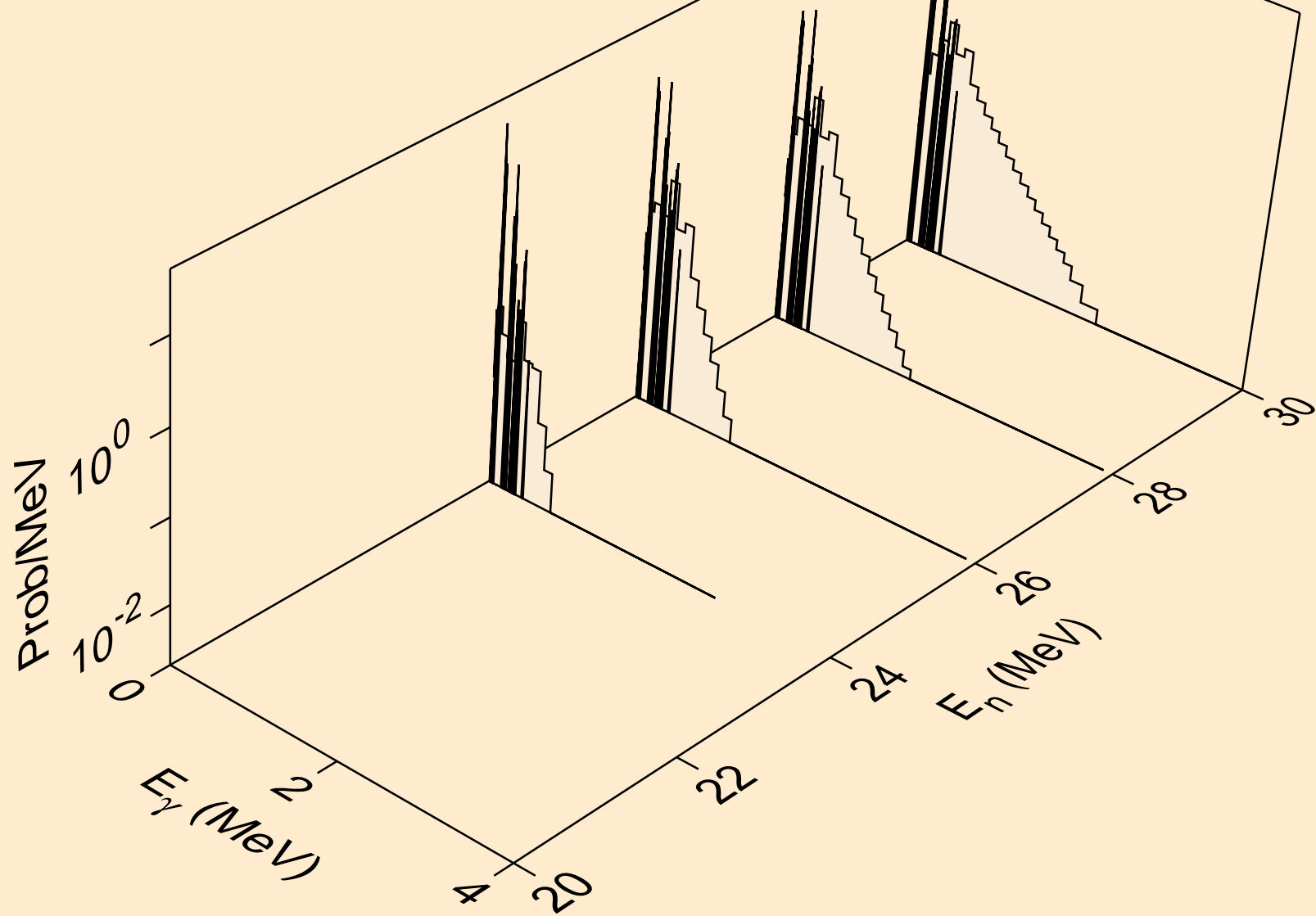
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



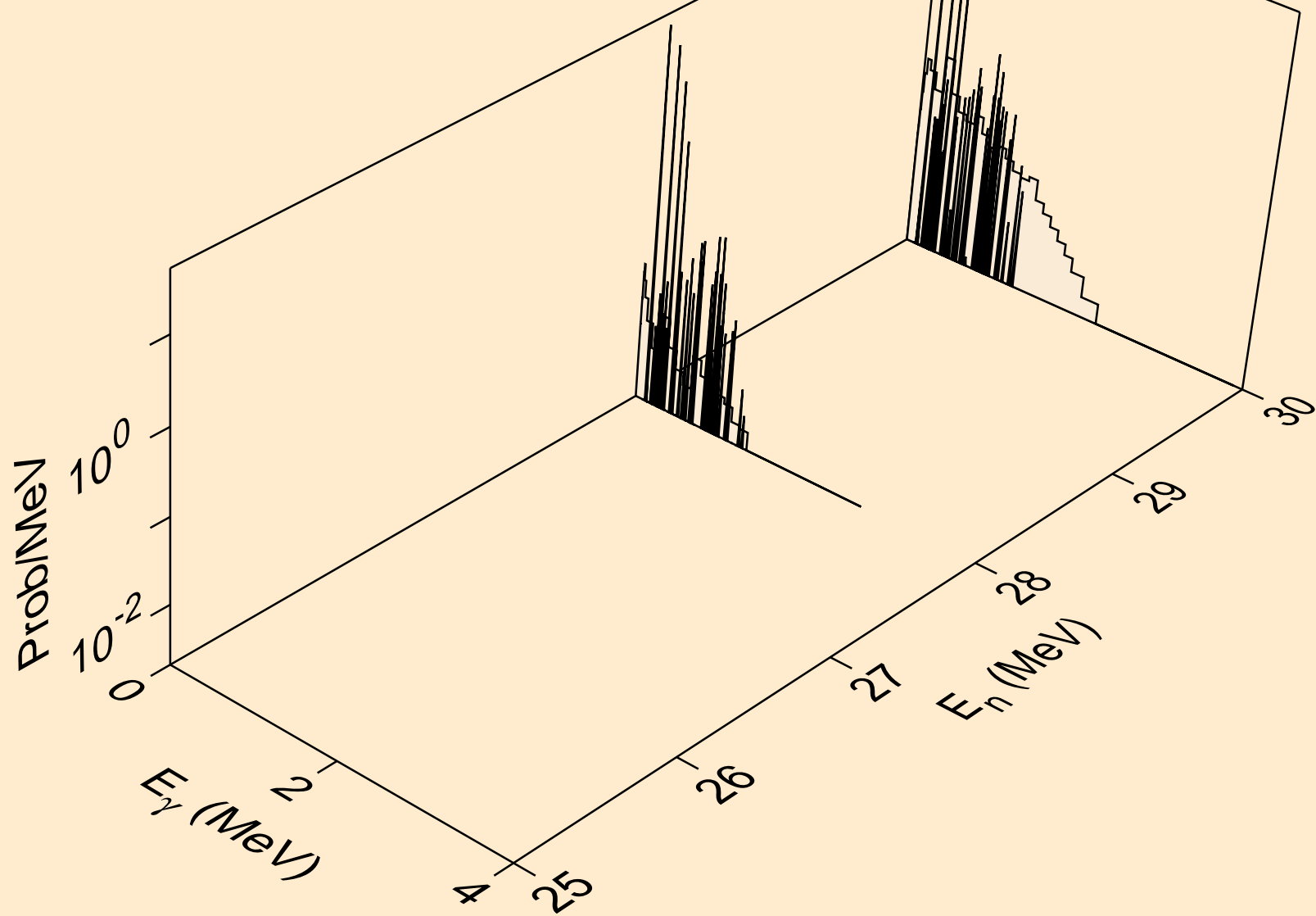
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



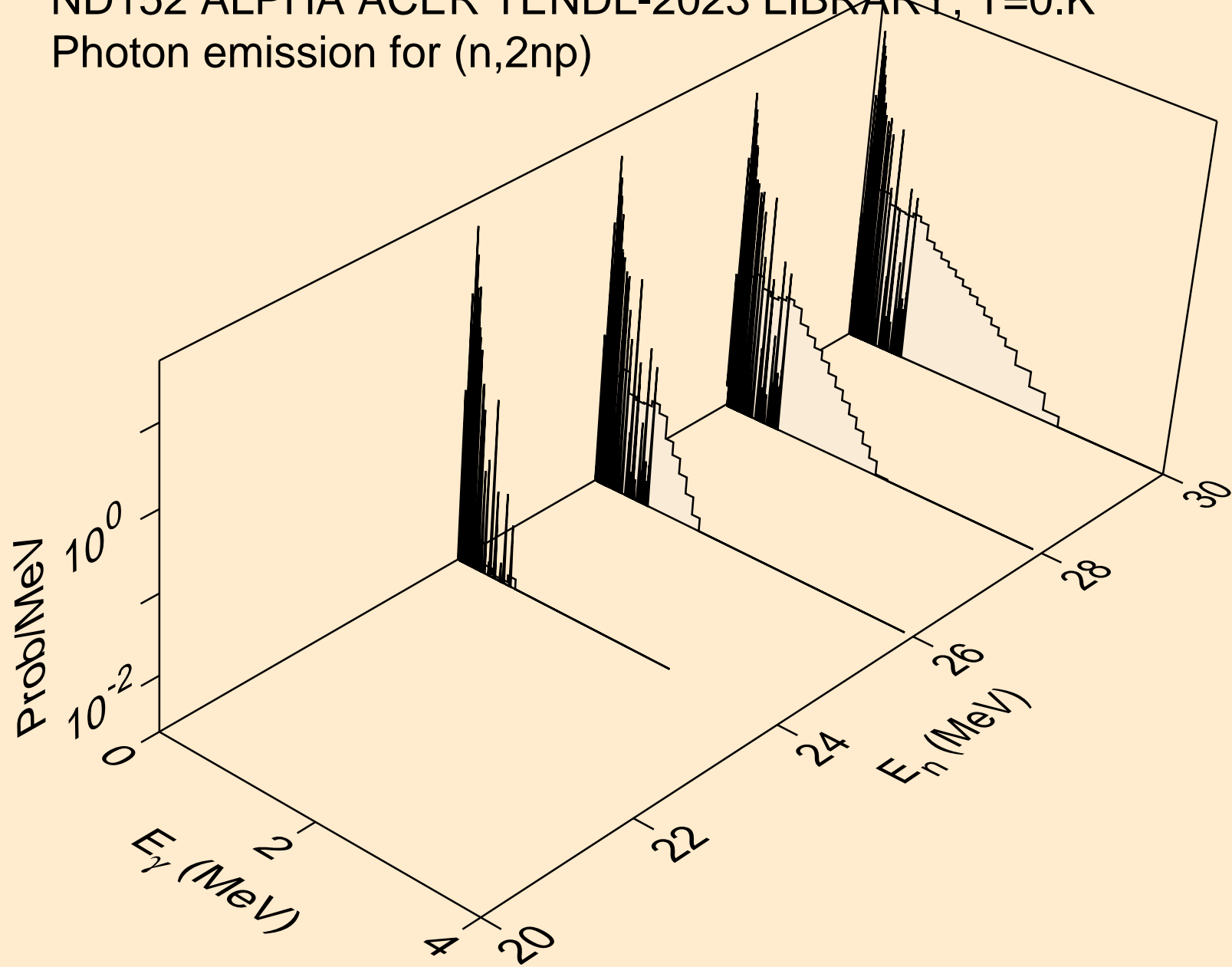
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



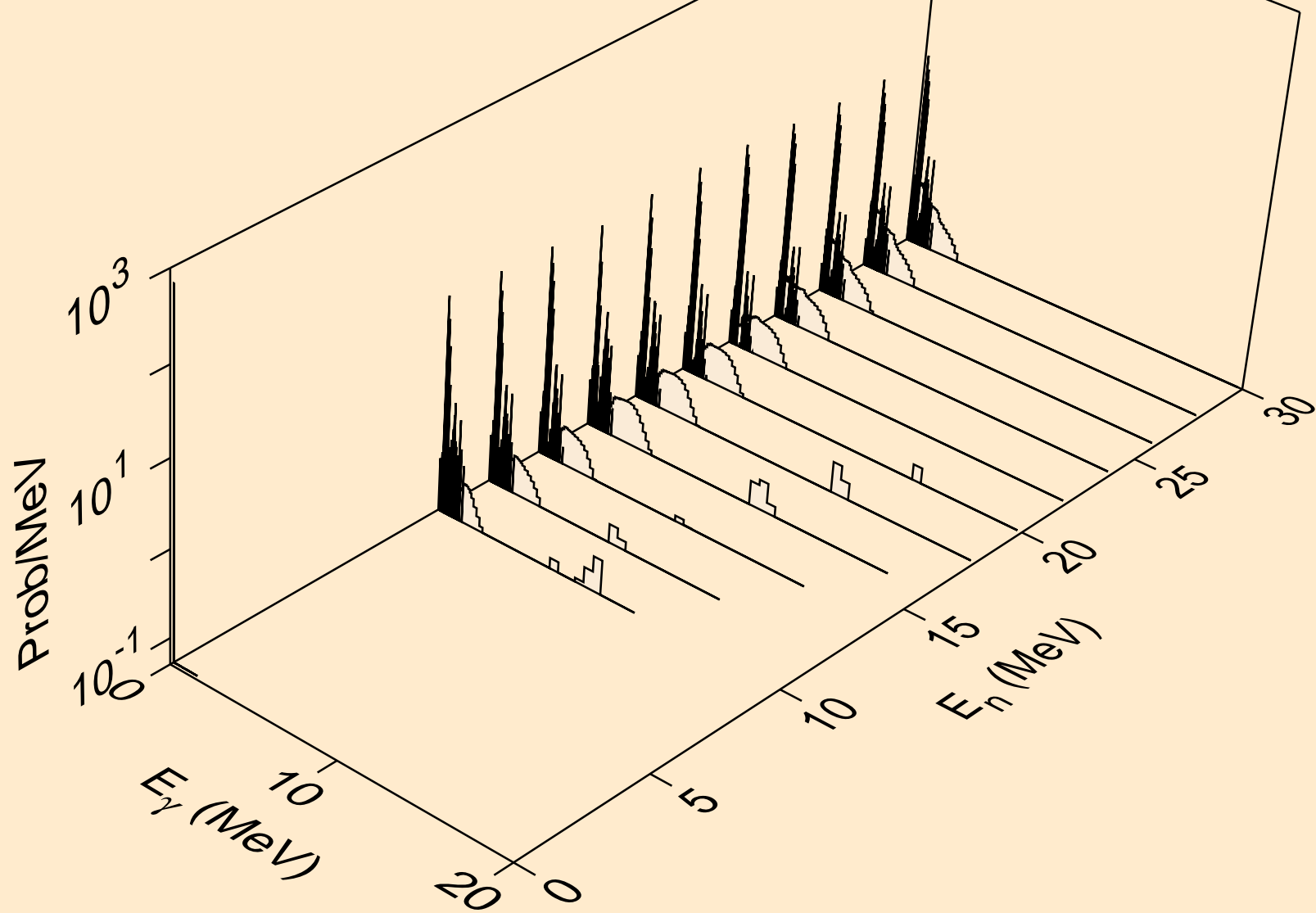
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



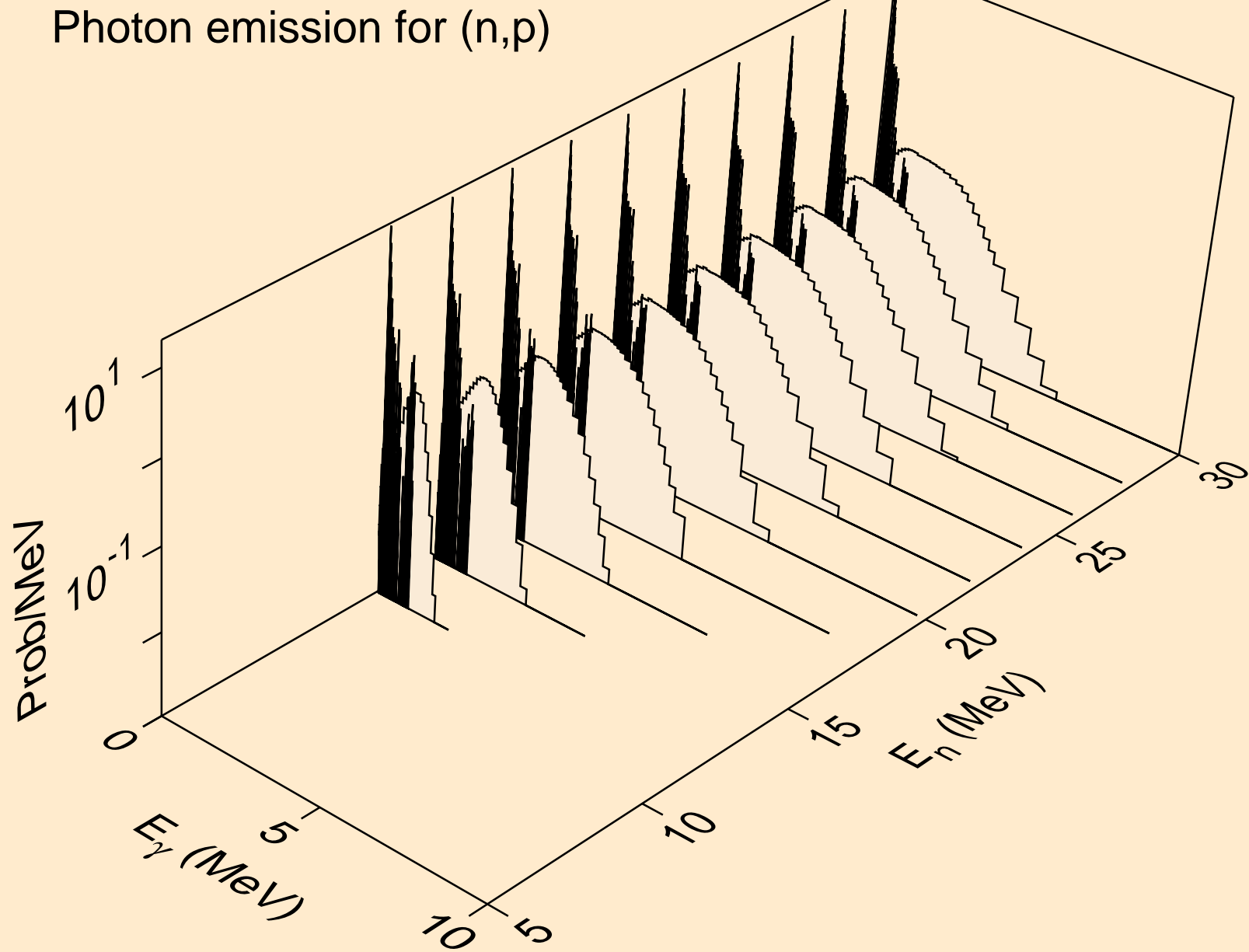
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Photon emission for (n,2np)



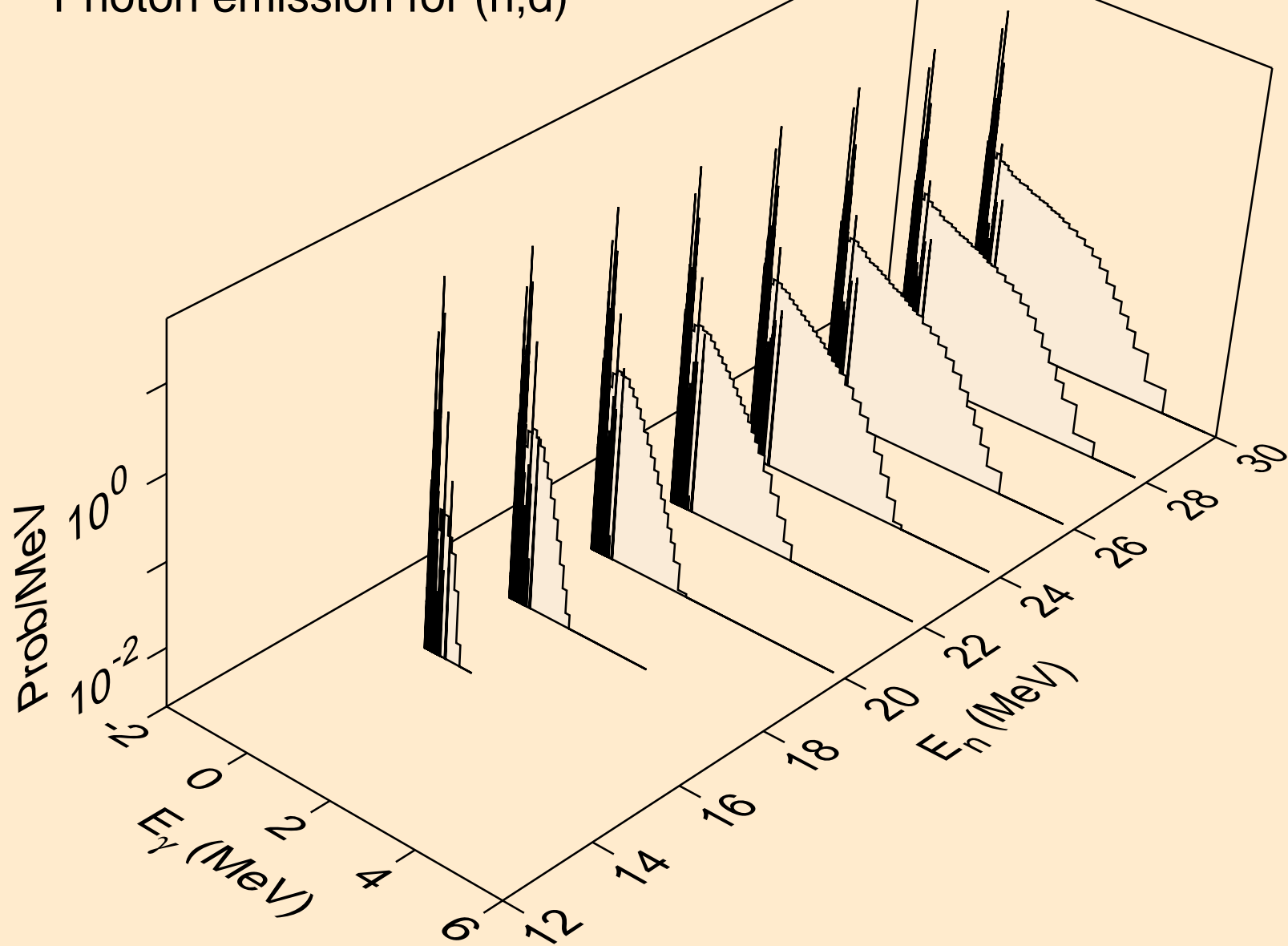
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Photon emission for (n,gma)



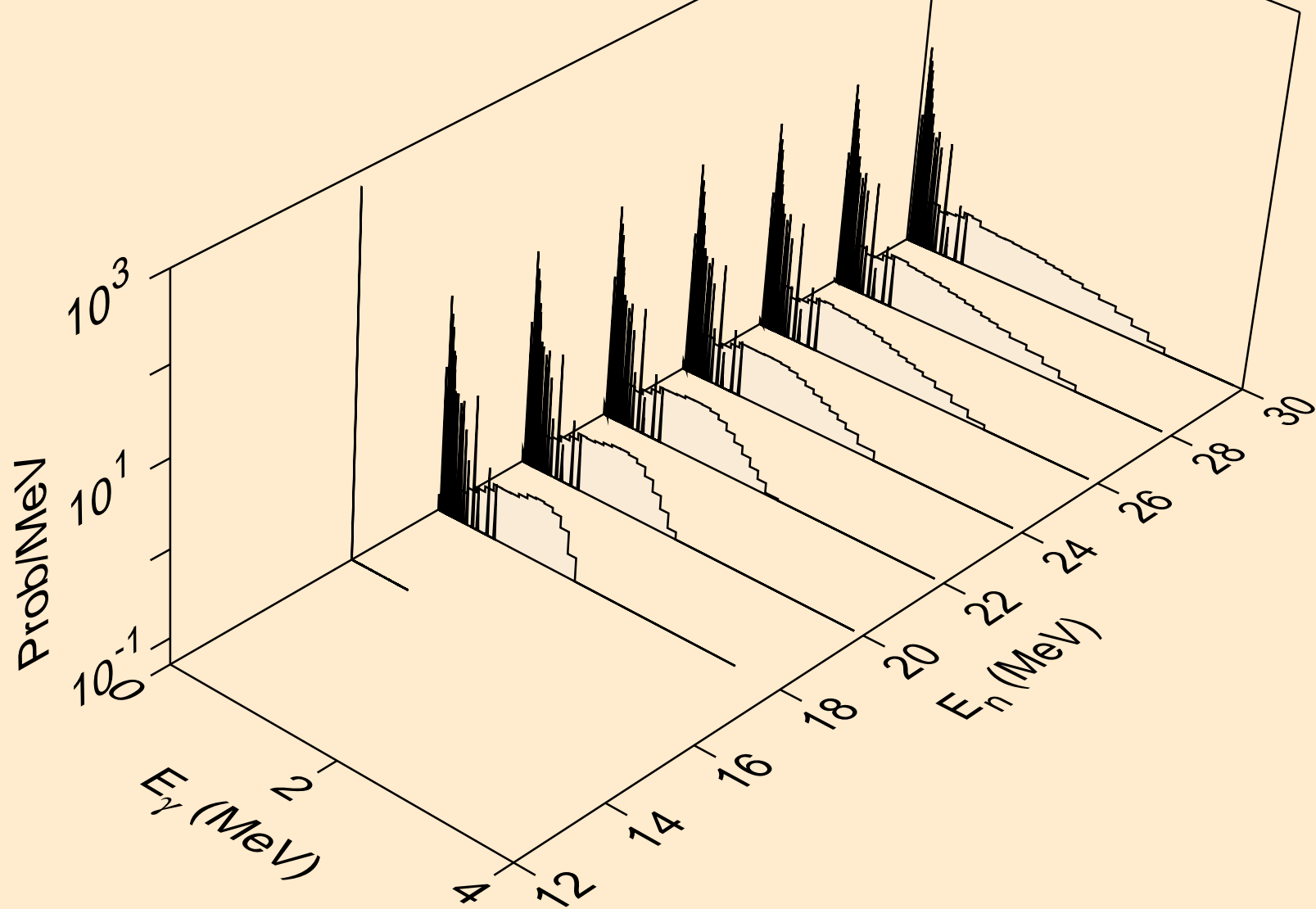
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



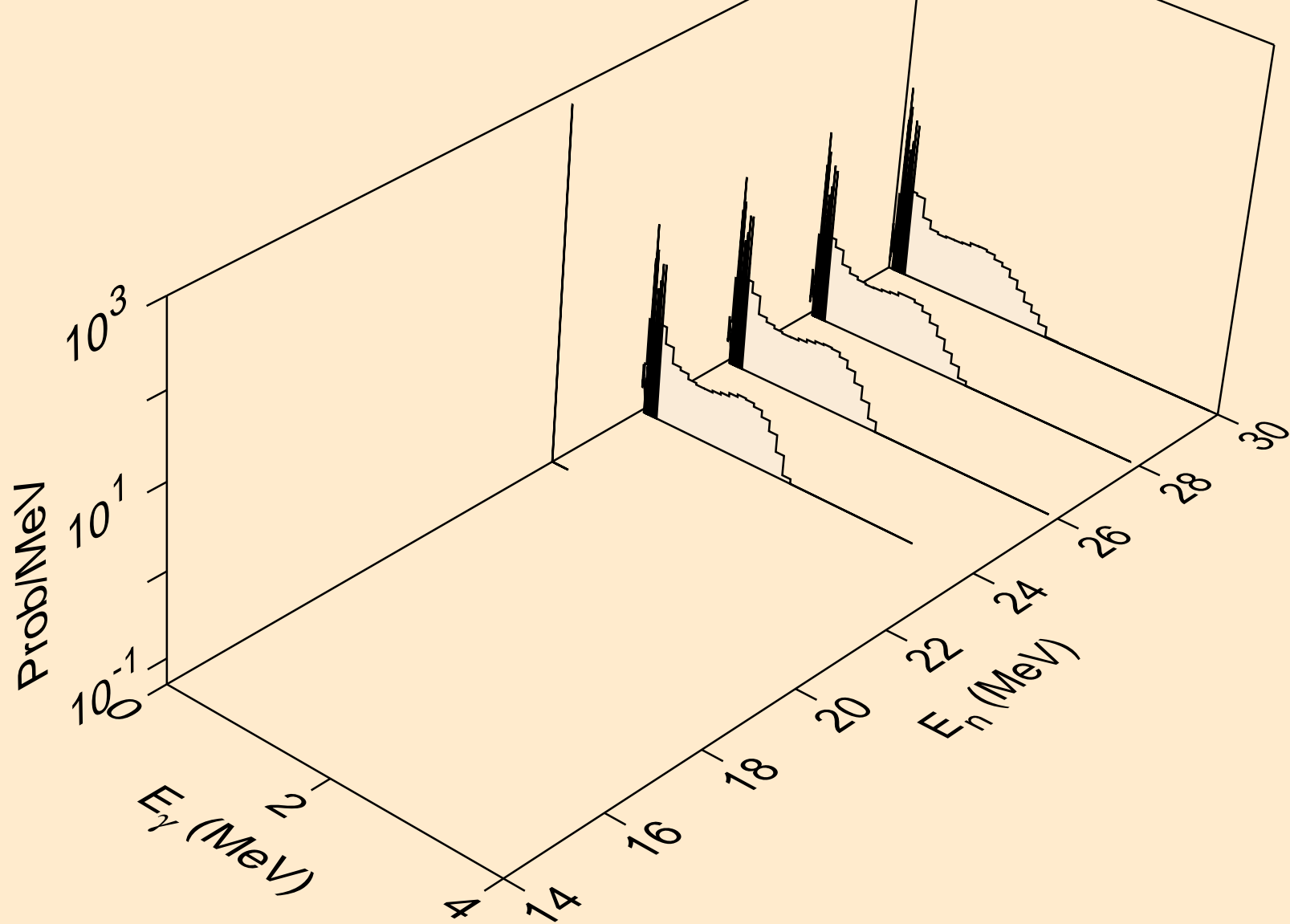
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Photon emission for (n,d)



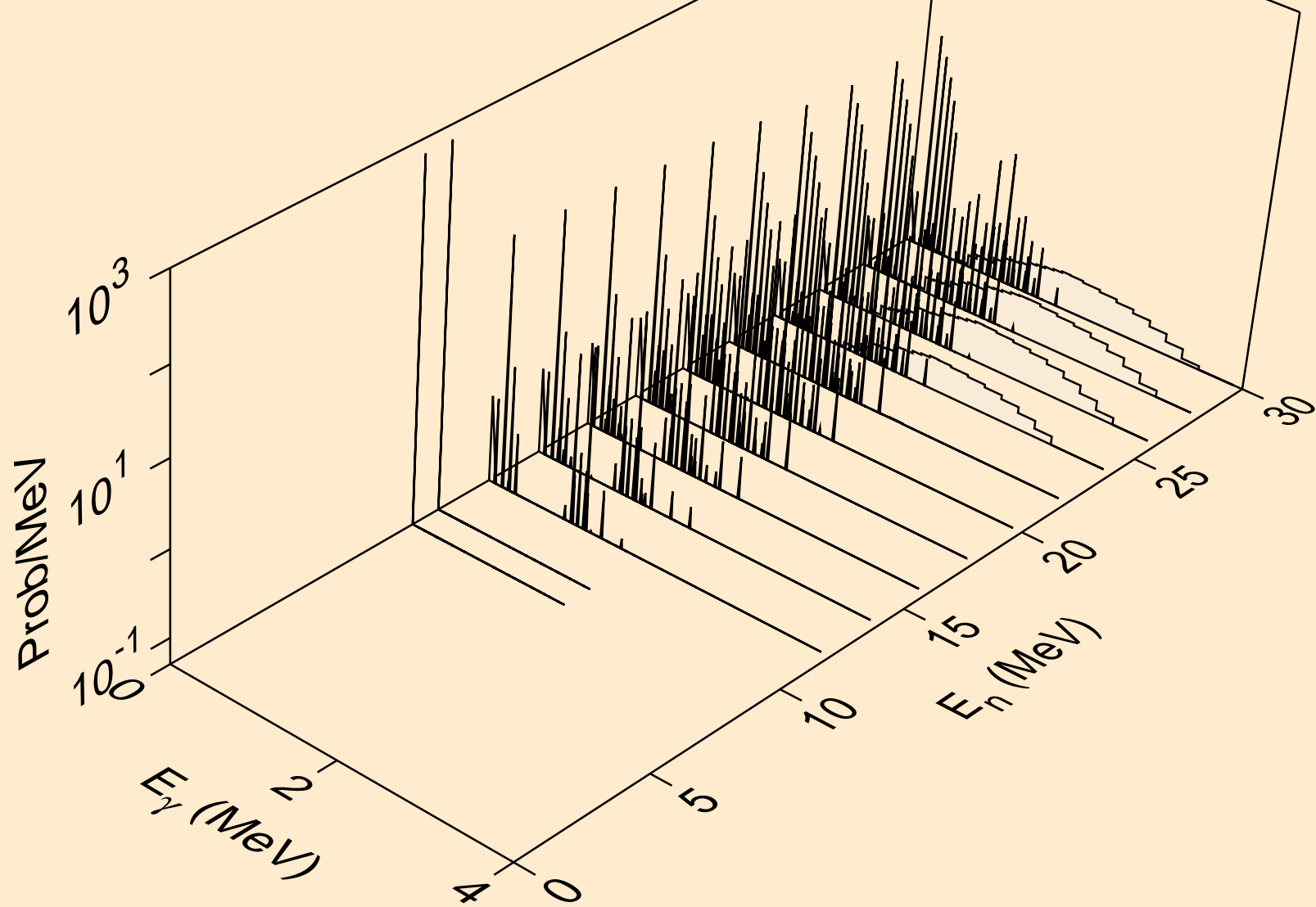
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

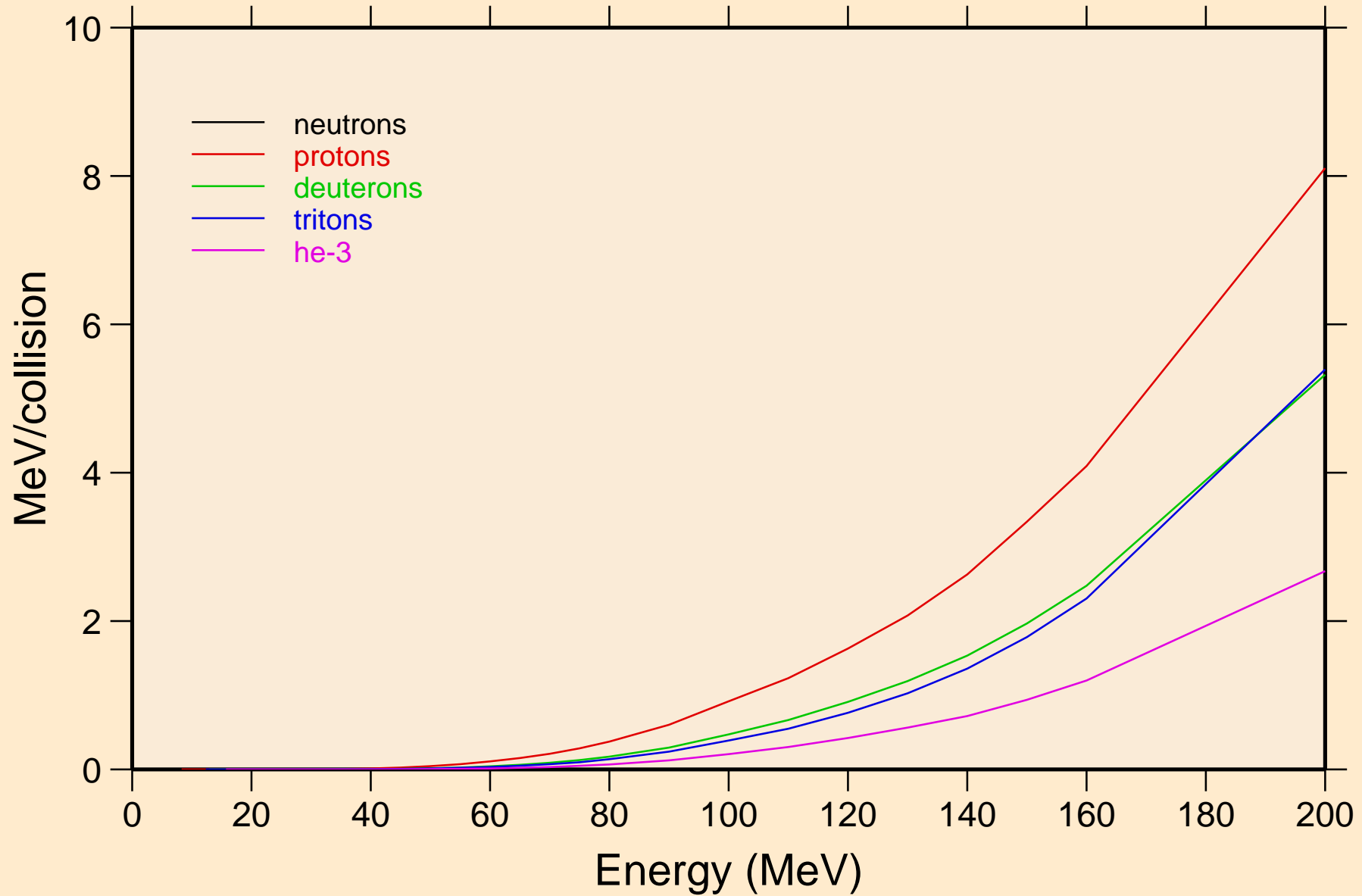


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Photon emission for inelastic

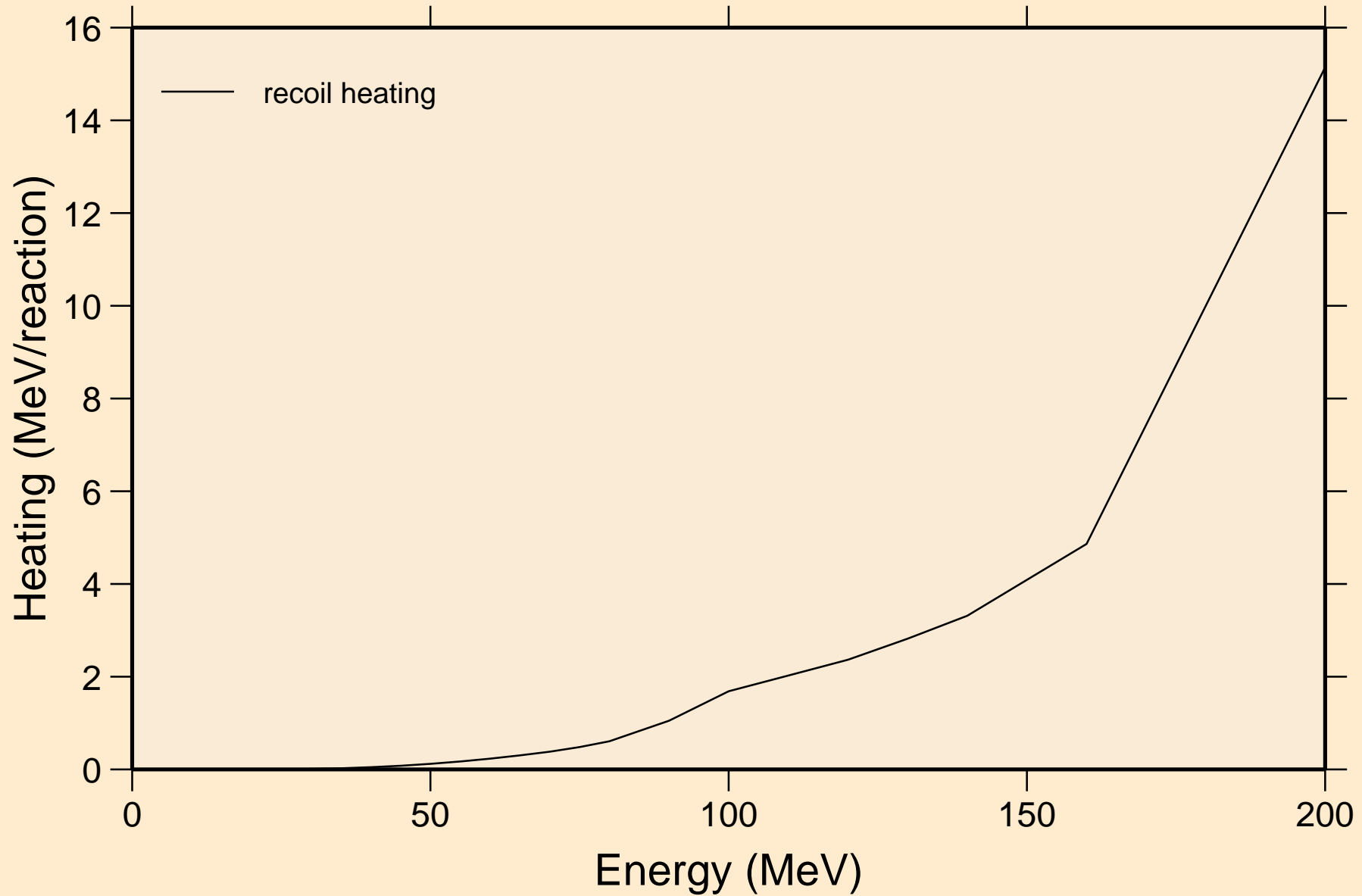


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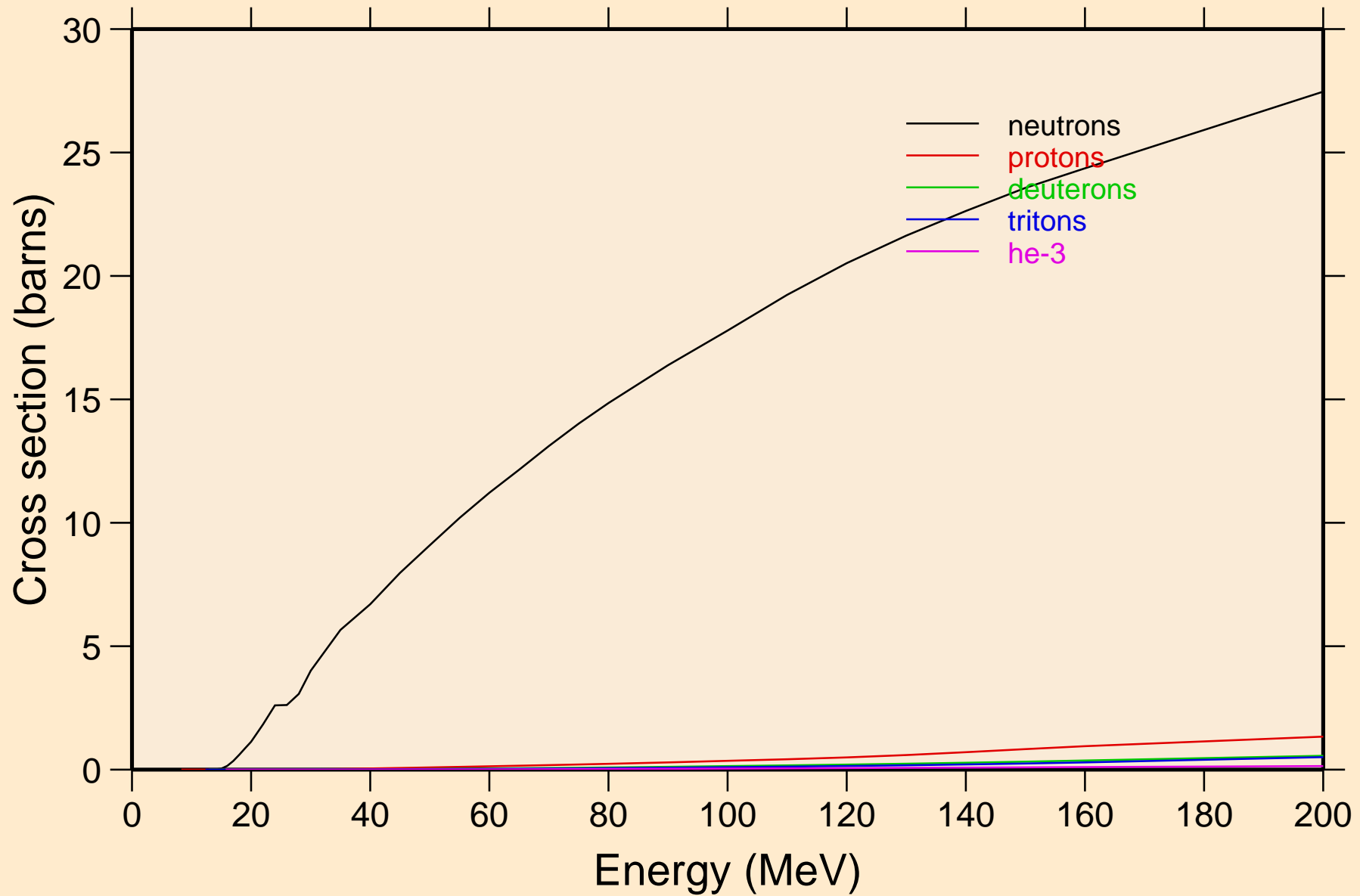
## Particle heating contributions



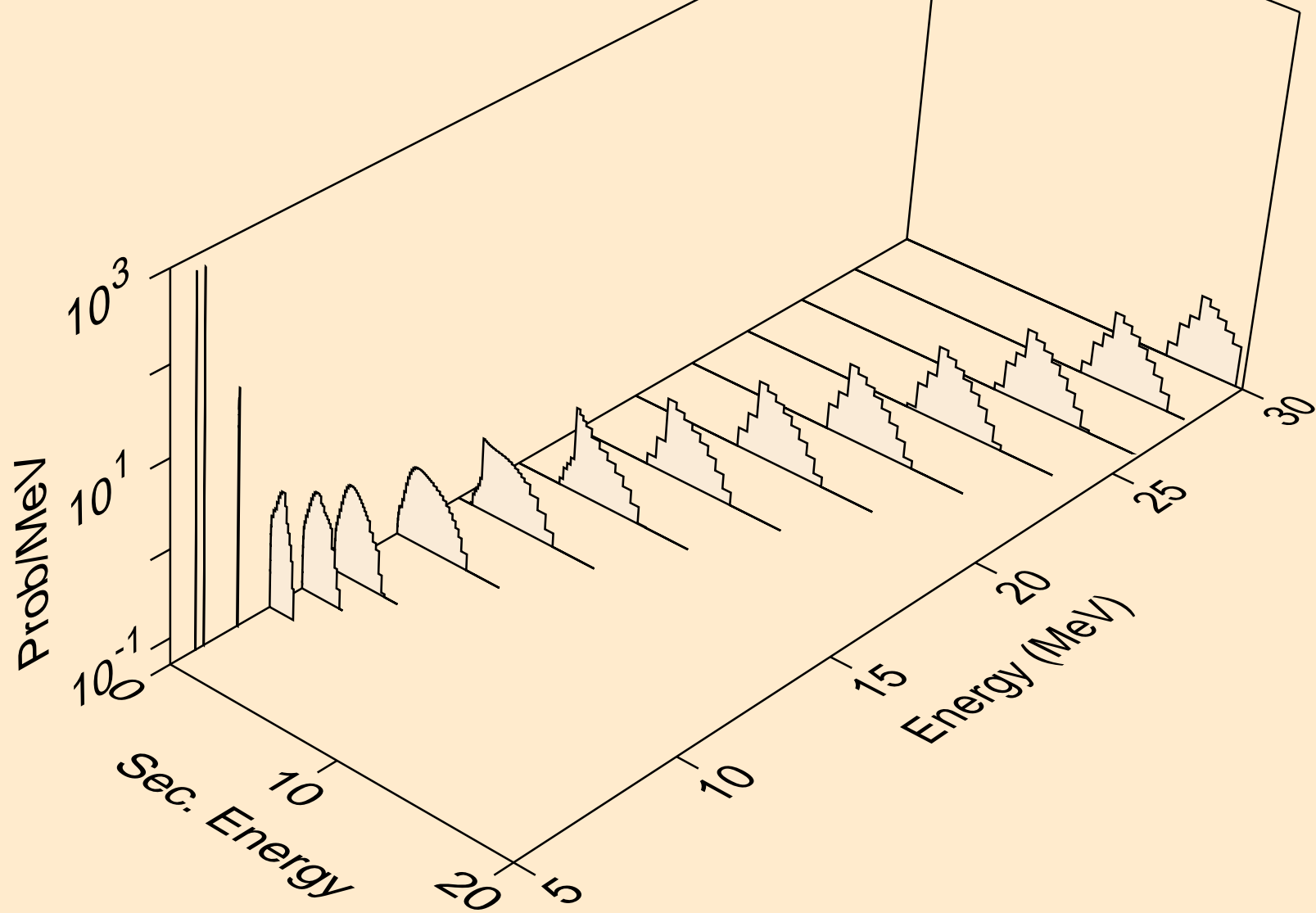
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



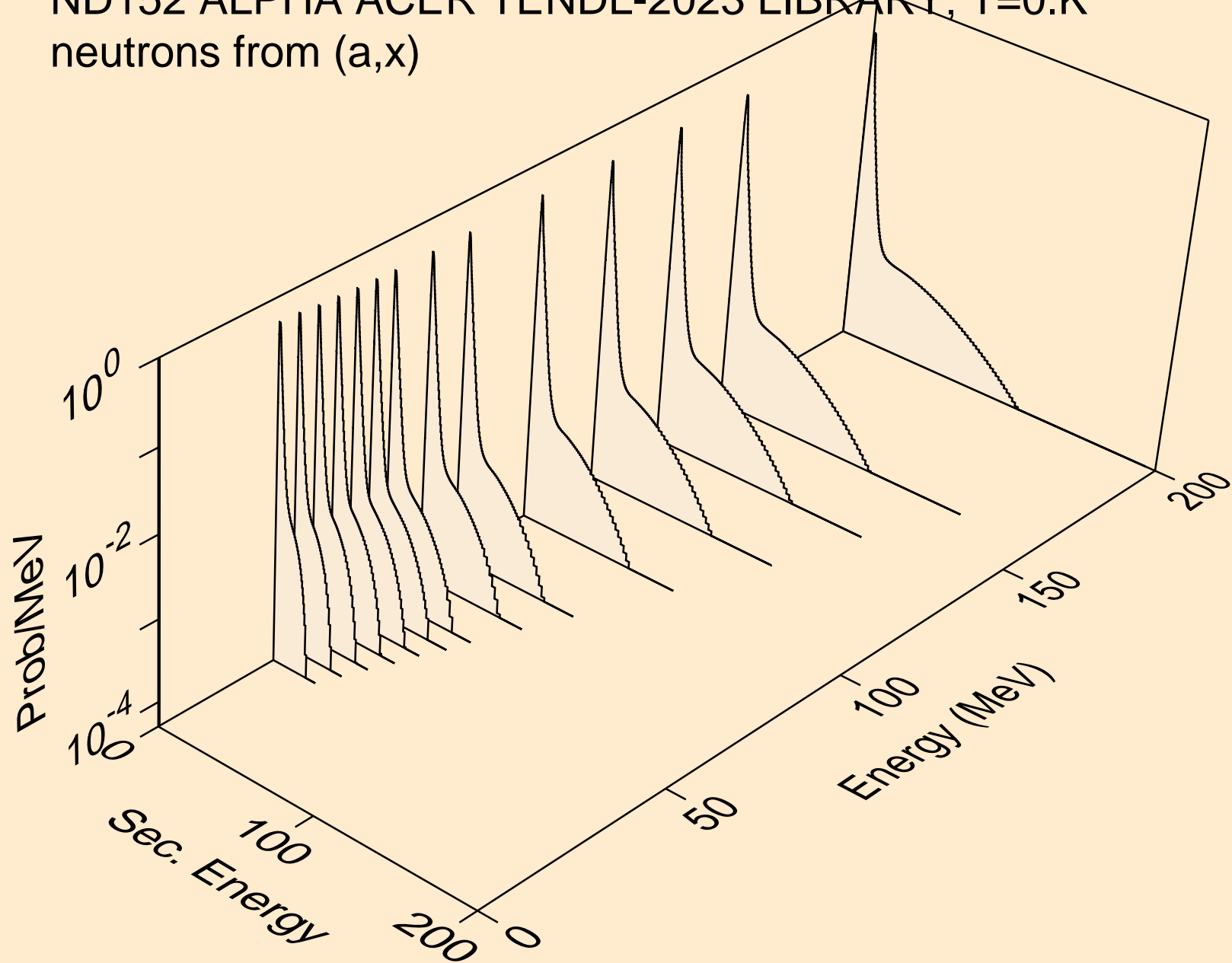
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



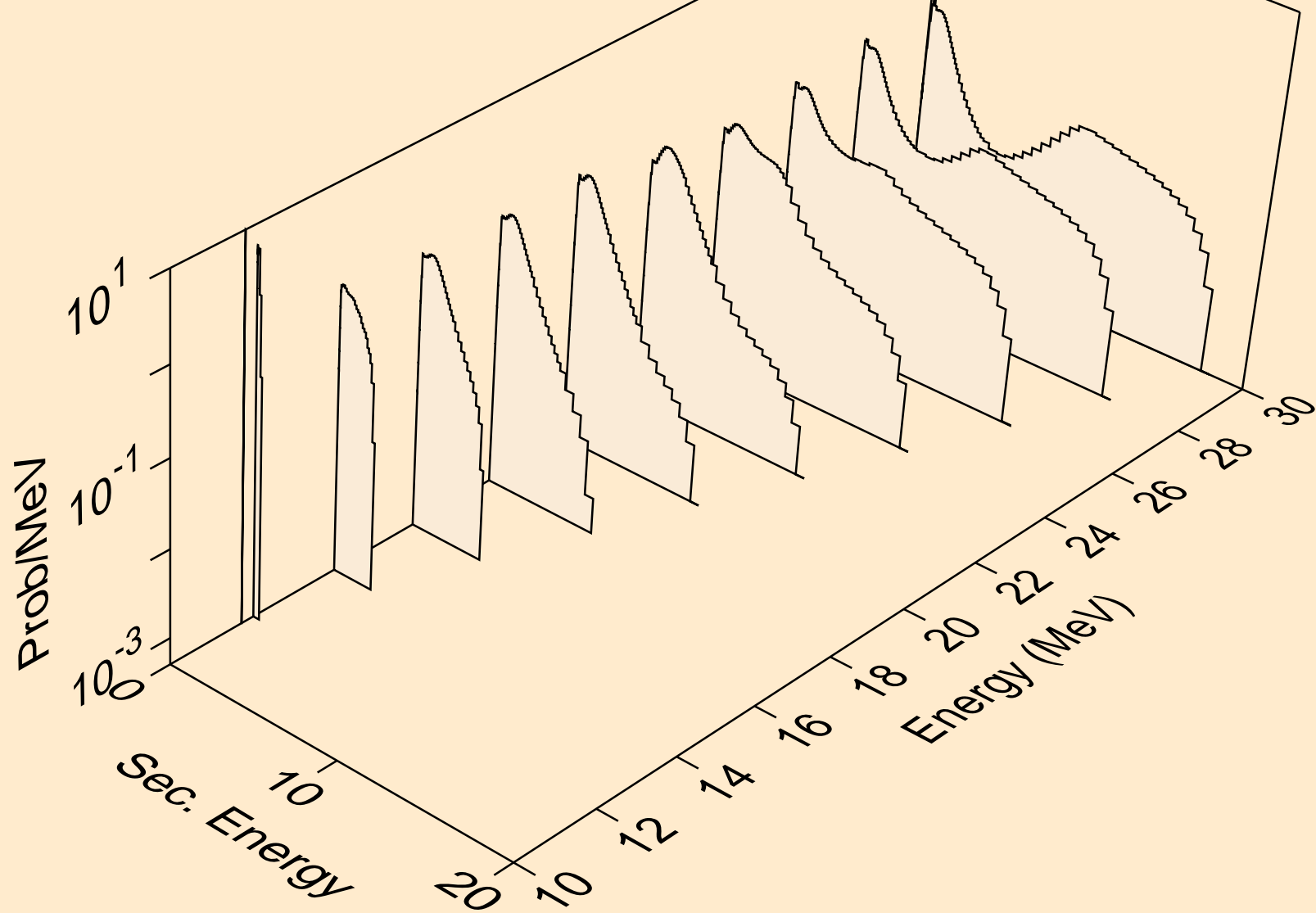
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



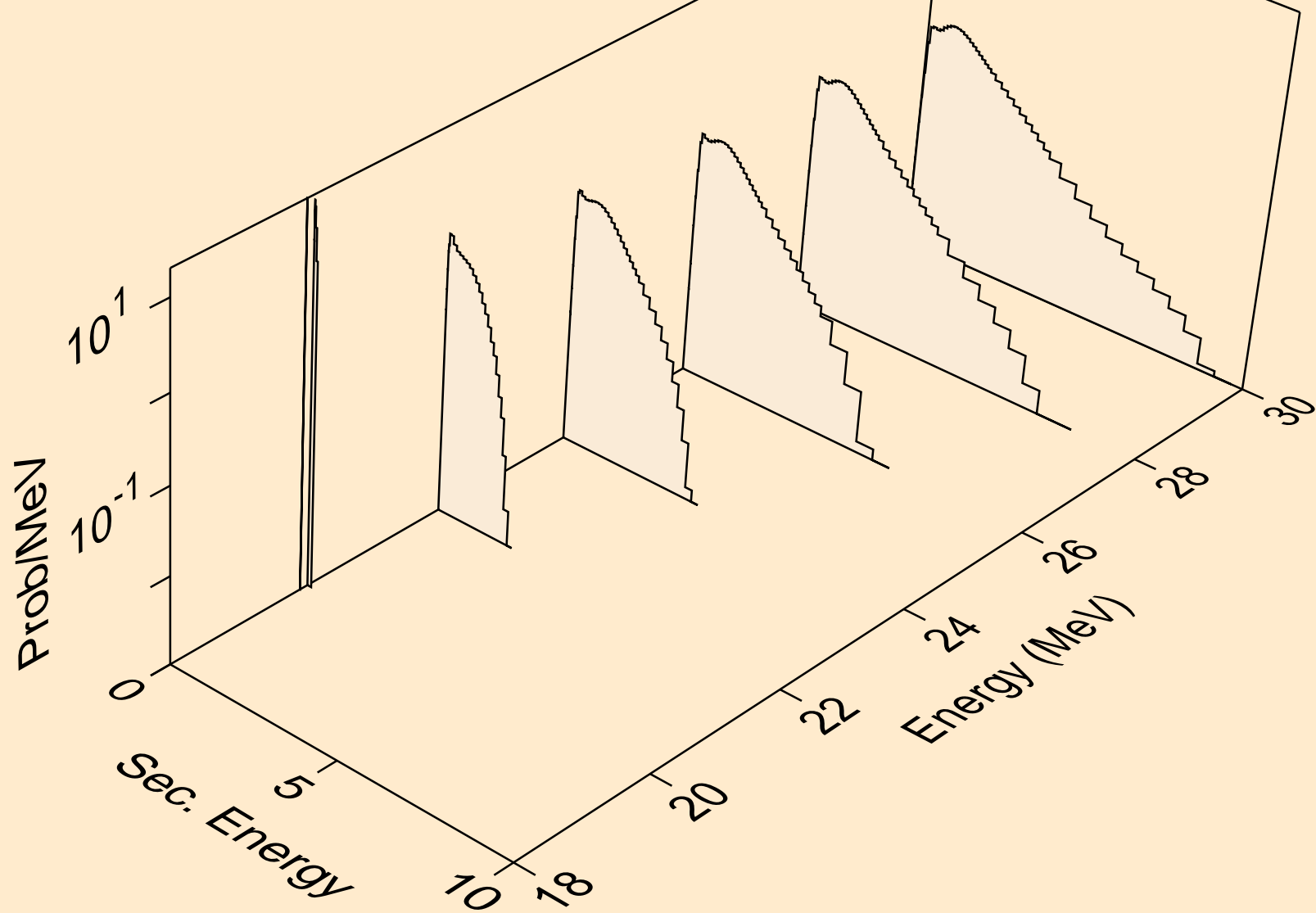
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



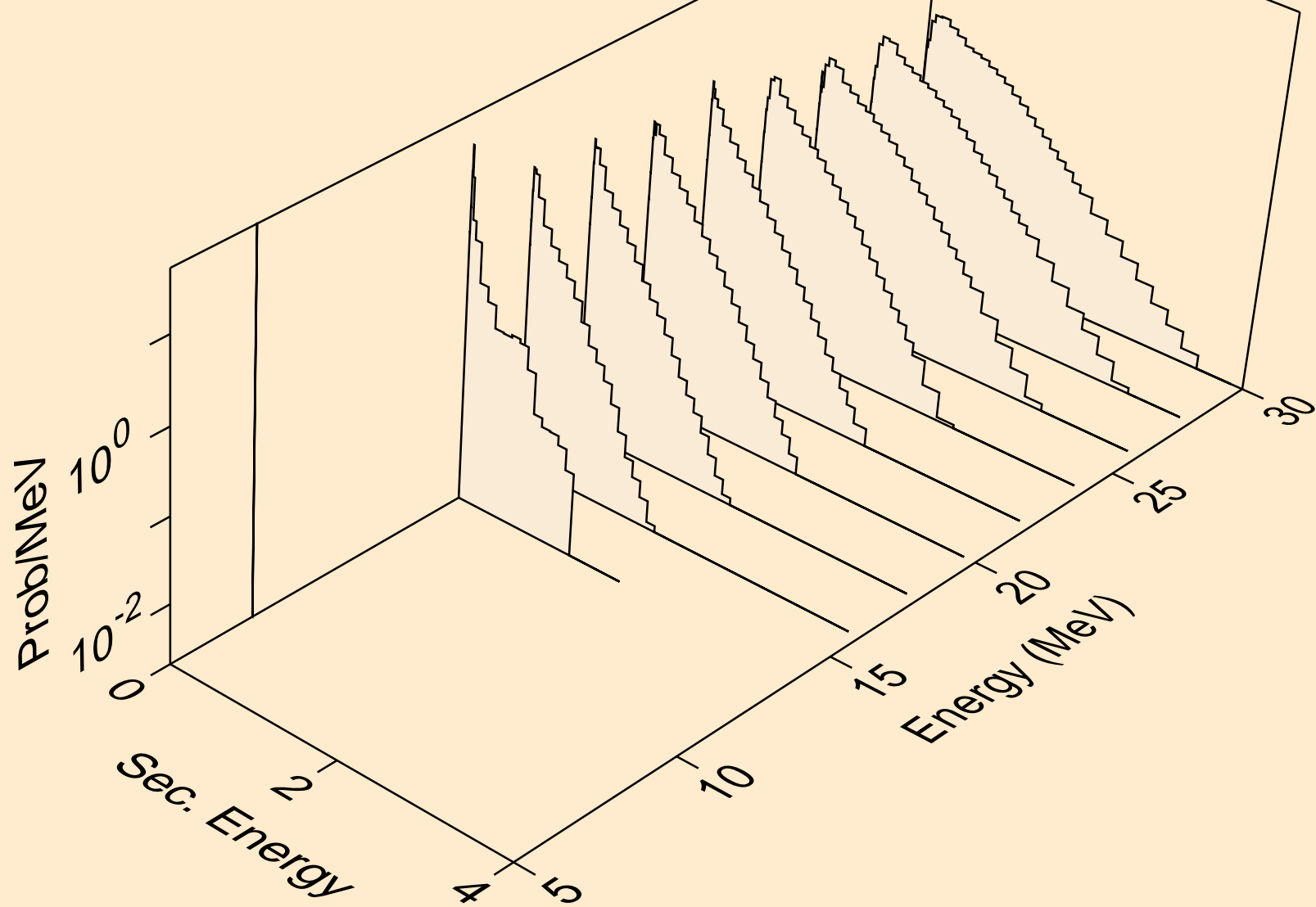
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neutrons from (a,2n)



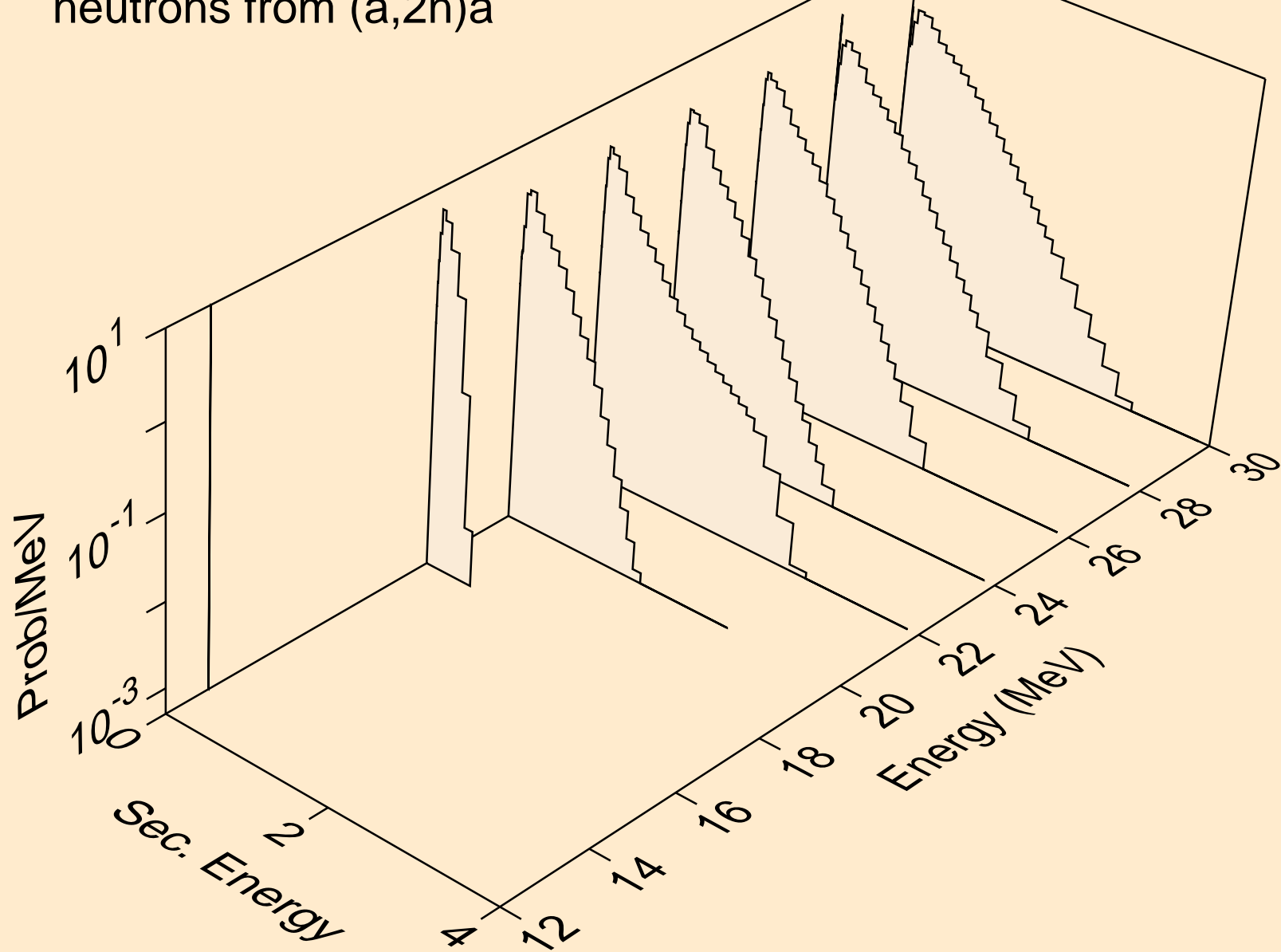
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neutrons from (a,3n)



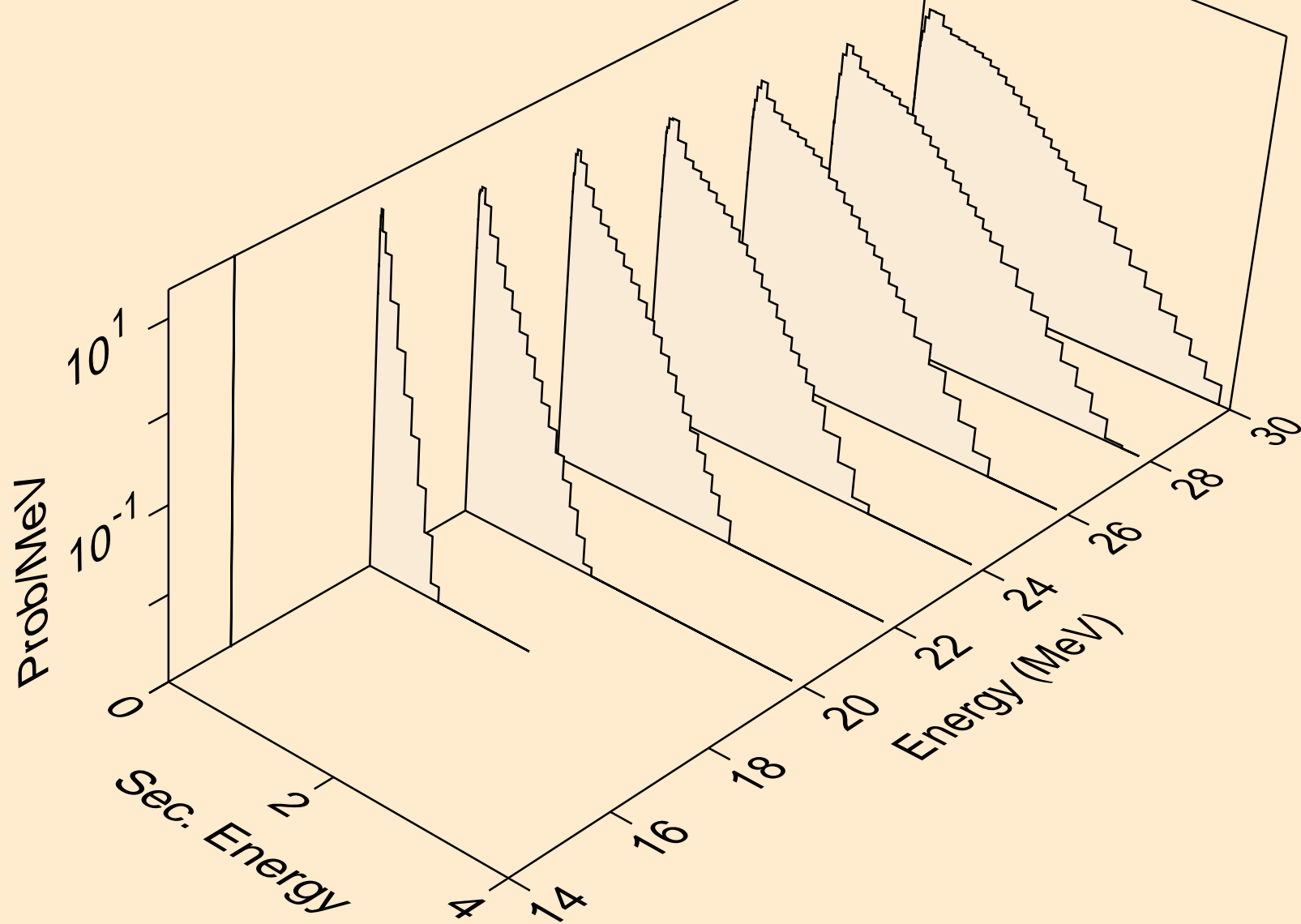
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



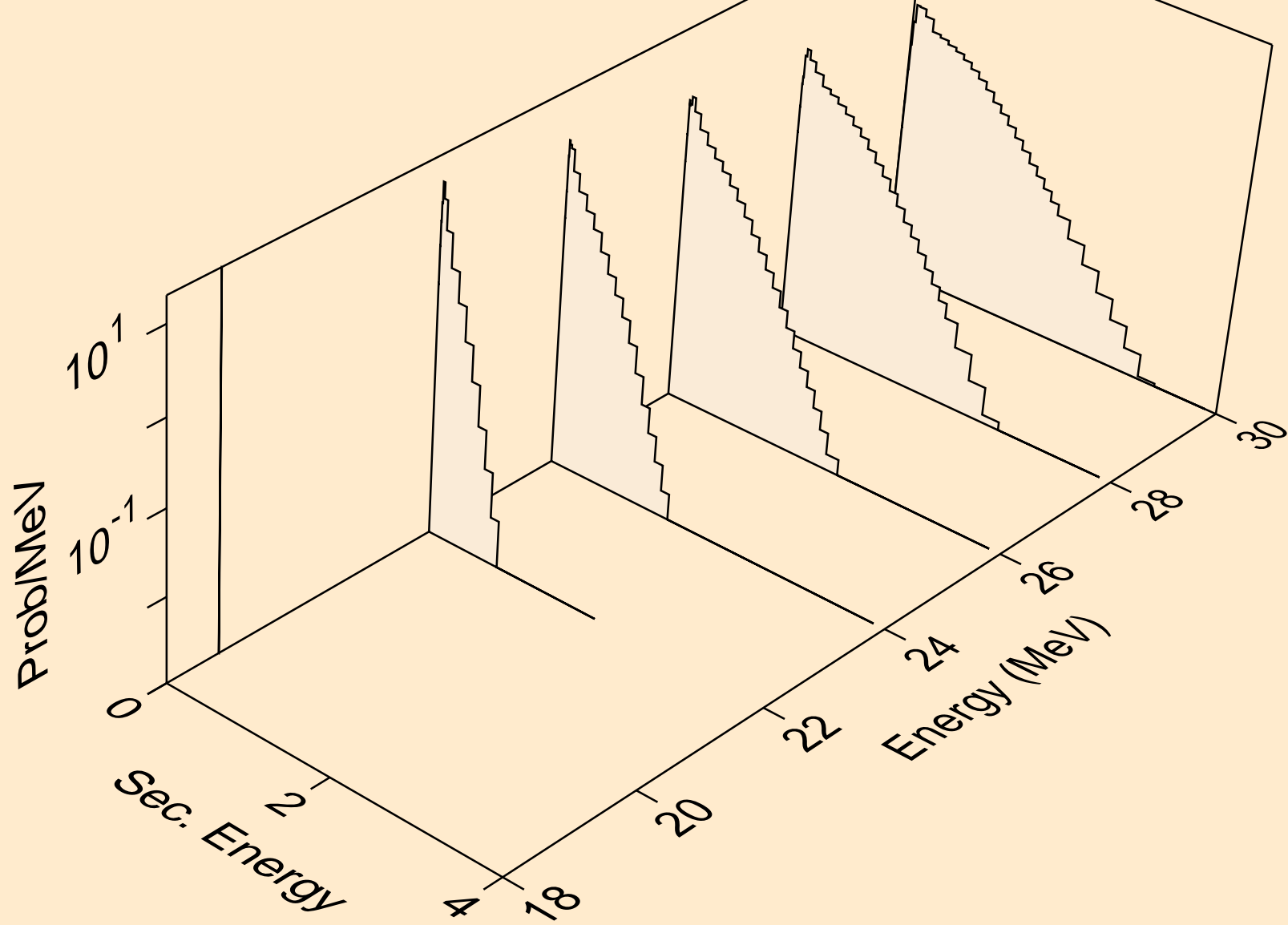
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
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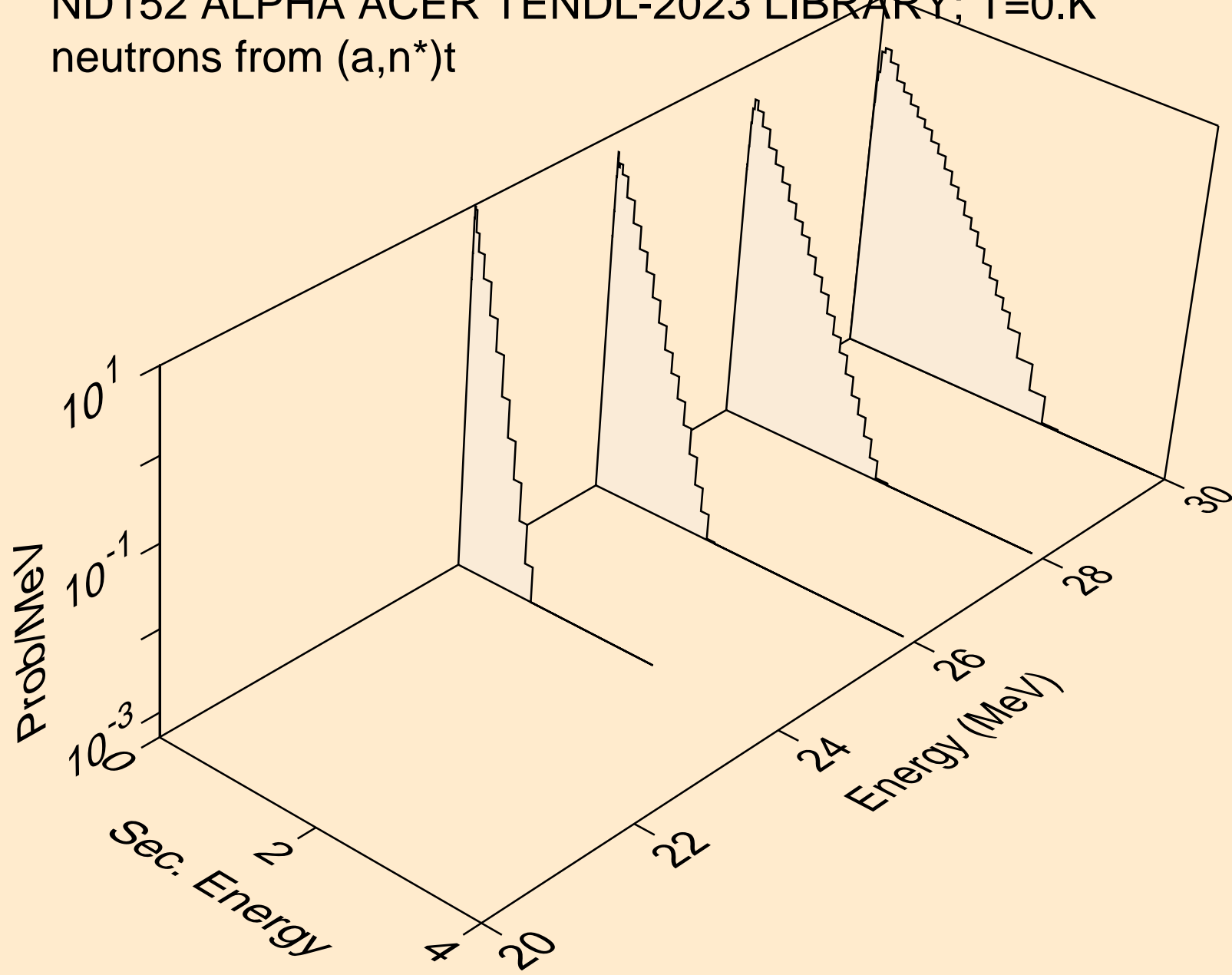
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



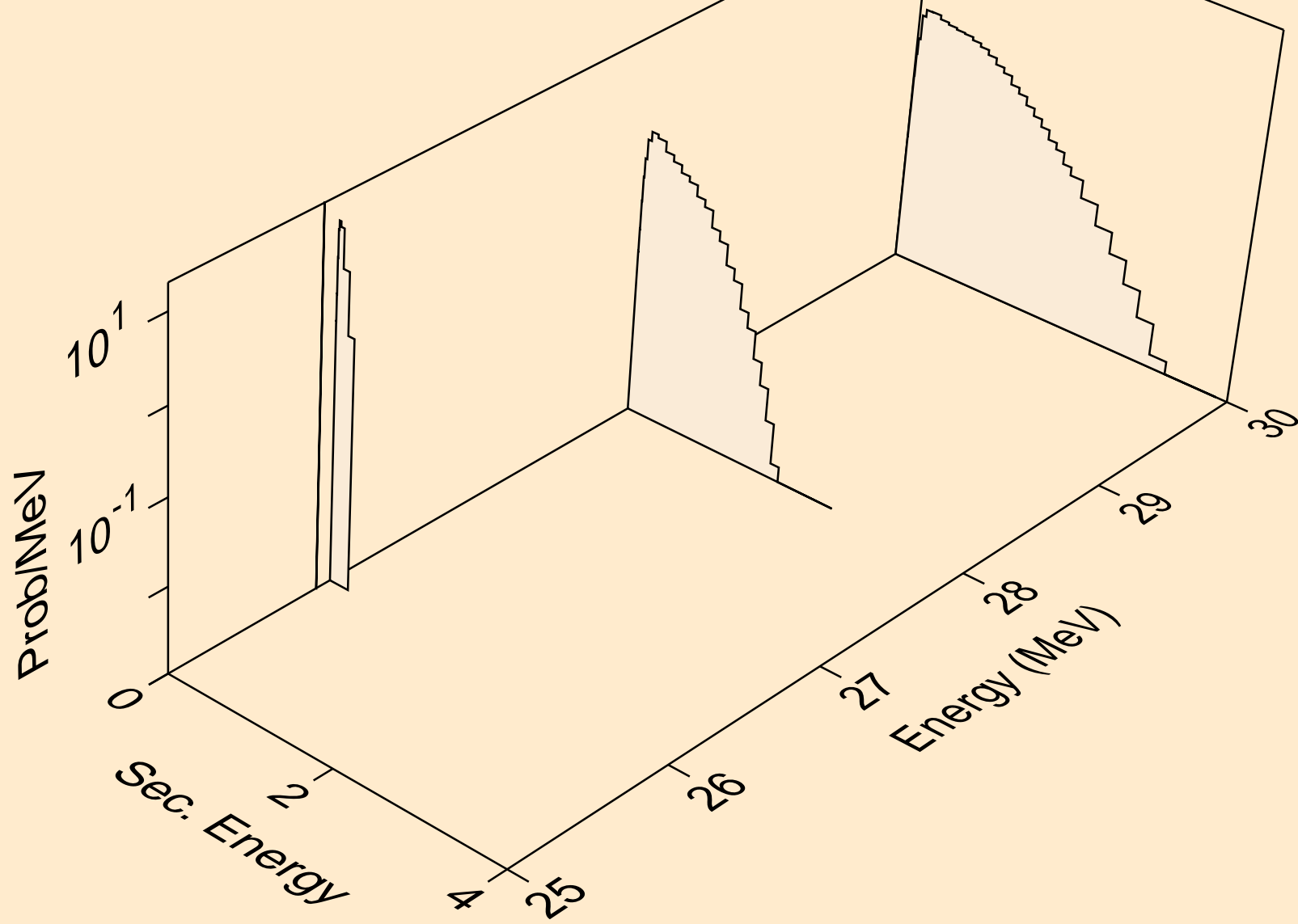
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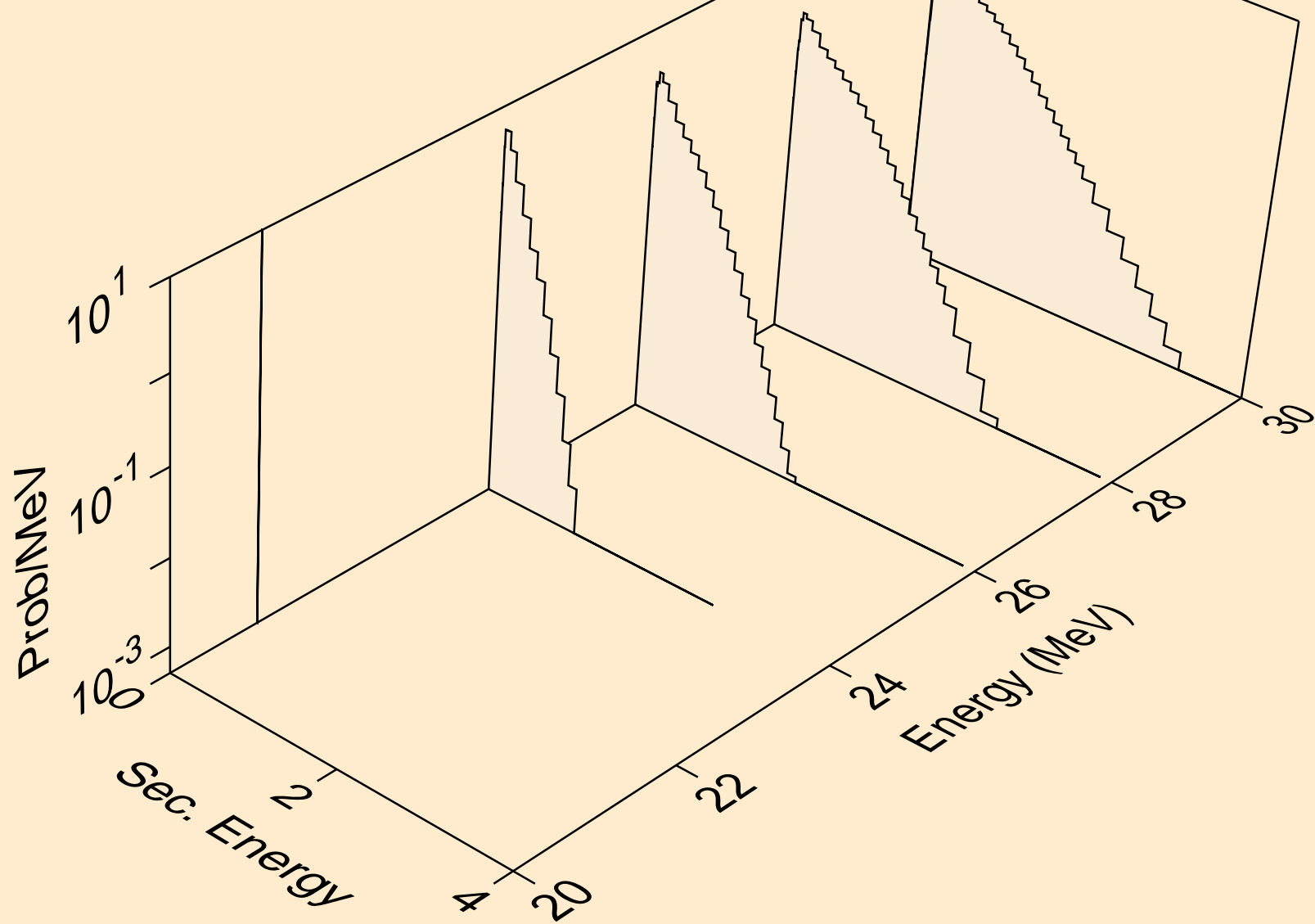
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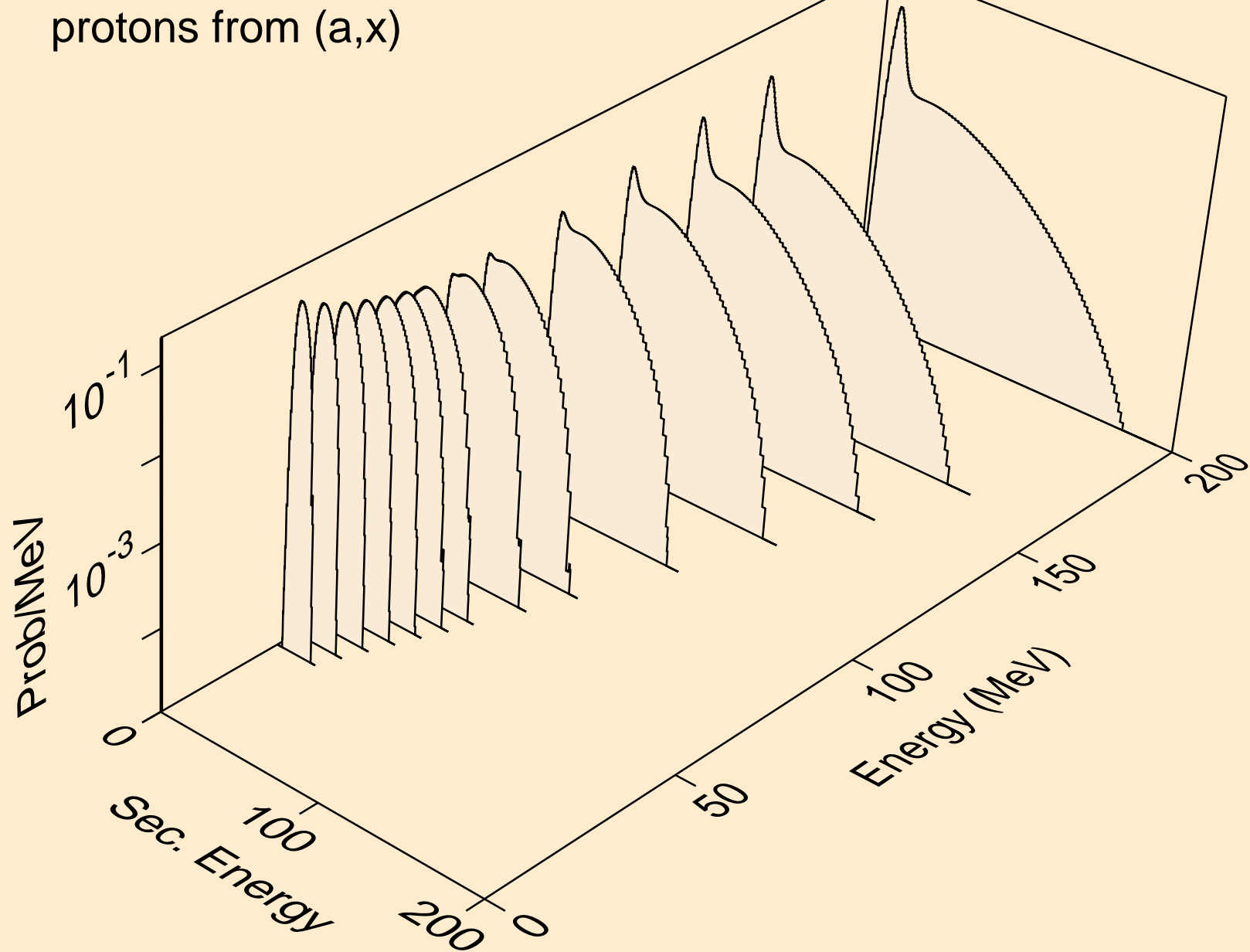
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
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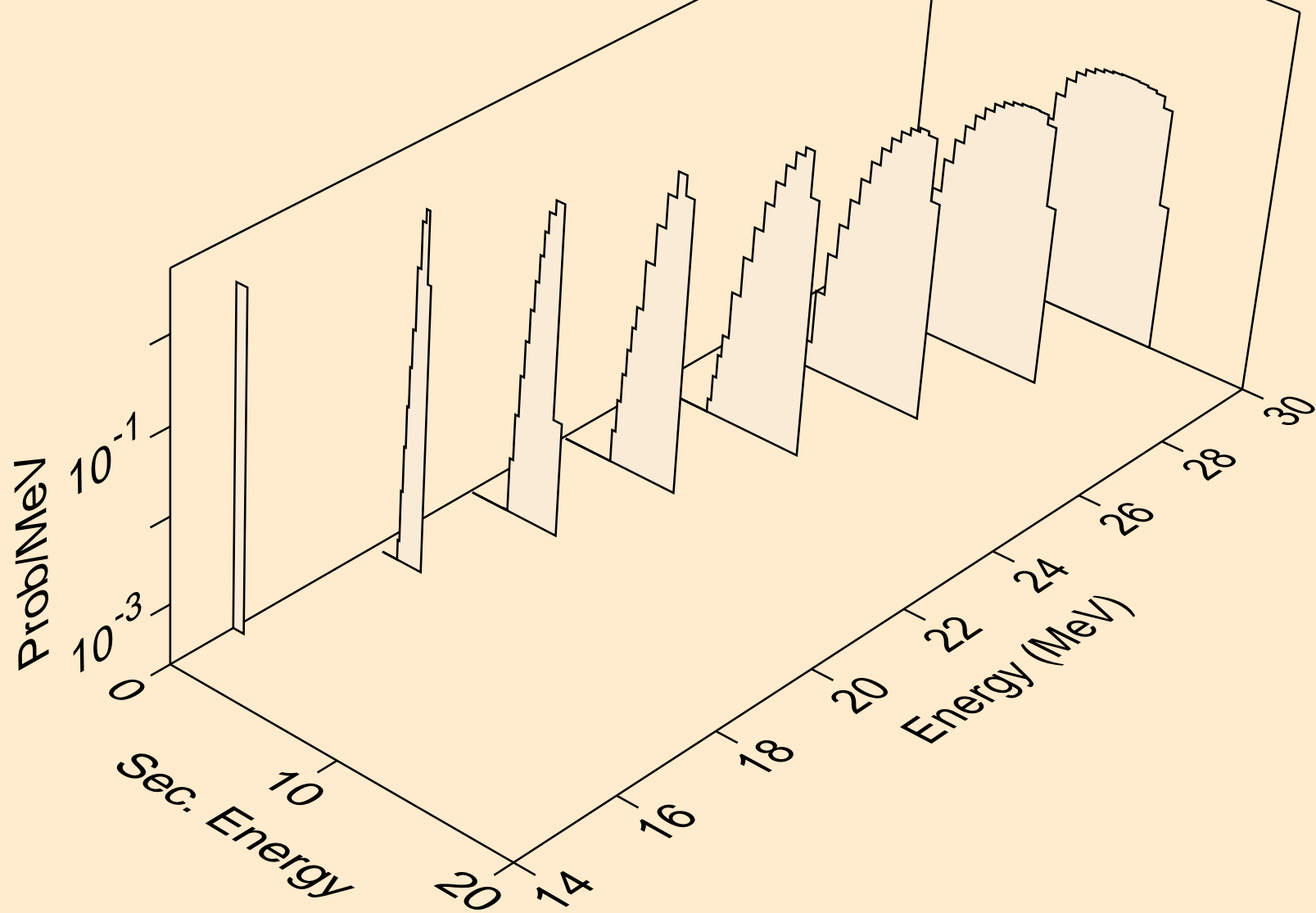
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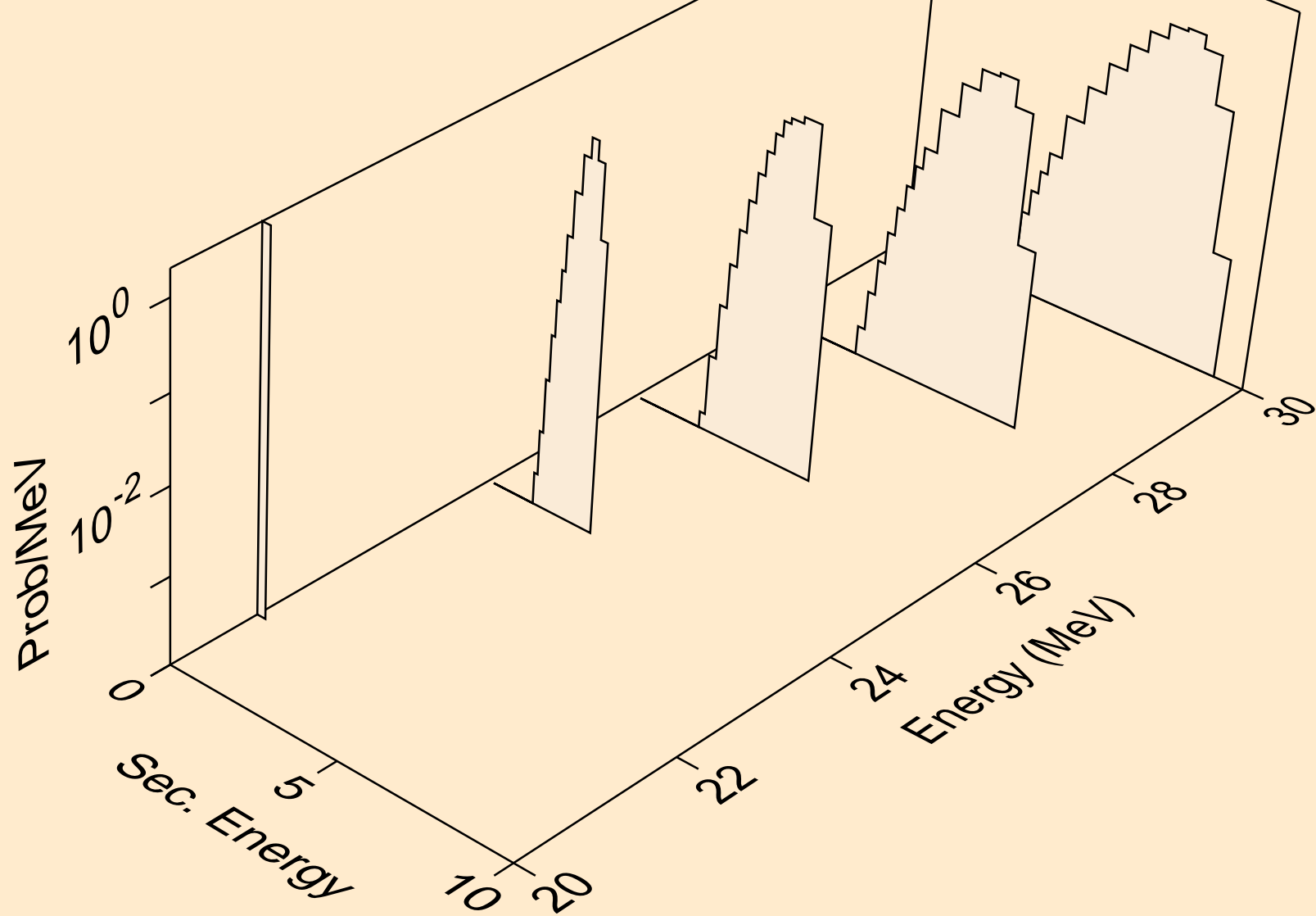
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protons from (a,x)



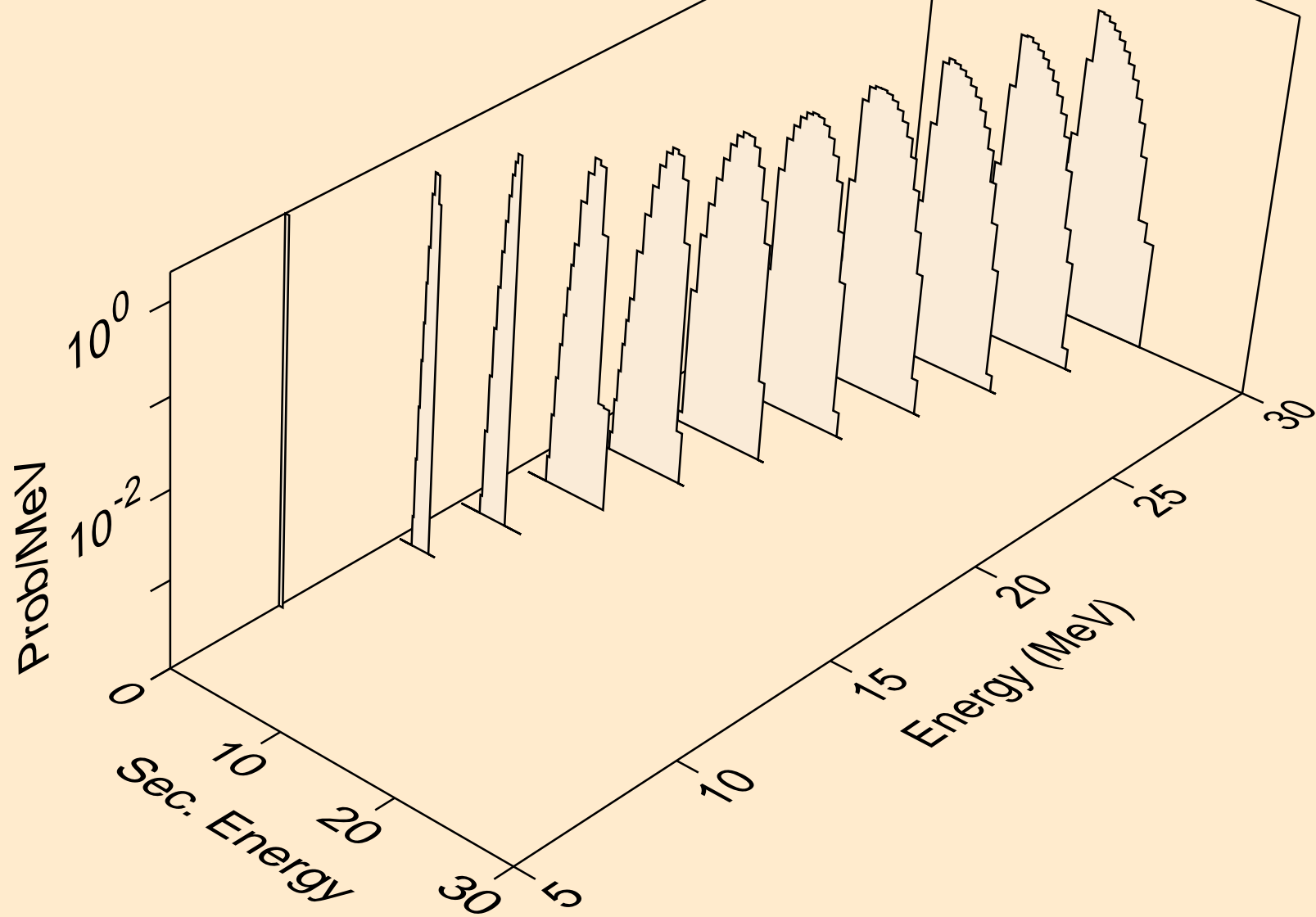
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protons from (a,n\*)p



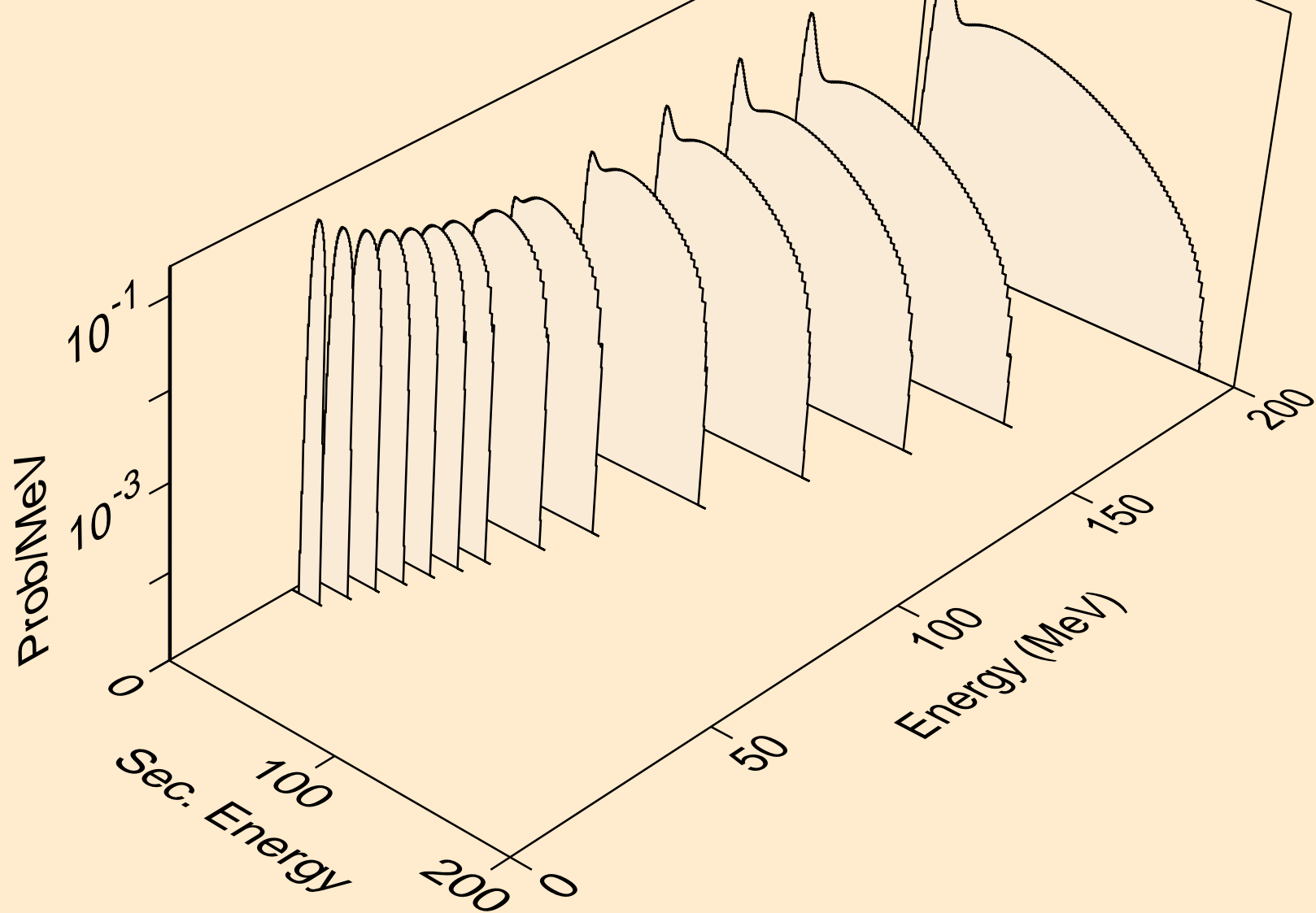
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protons from (a,2np)



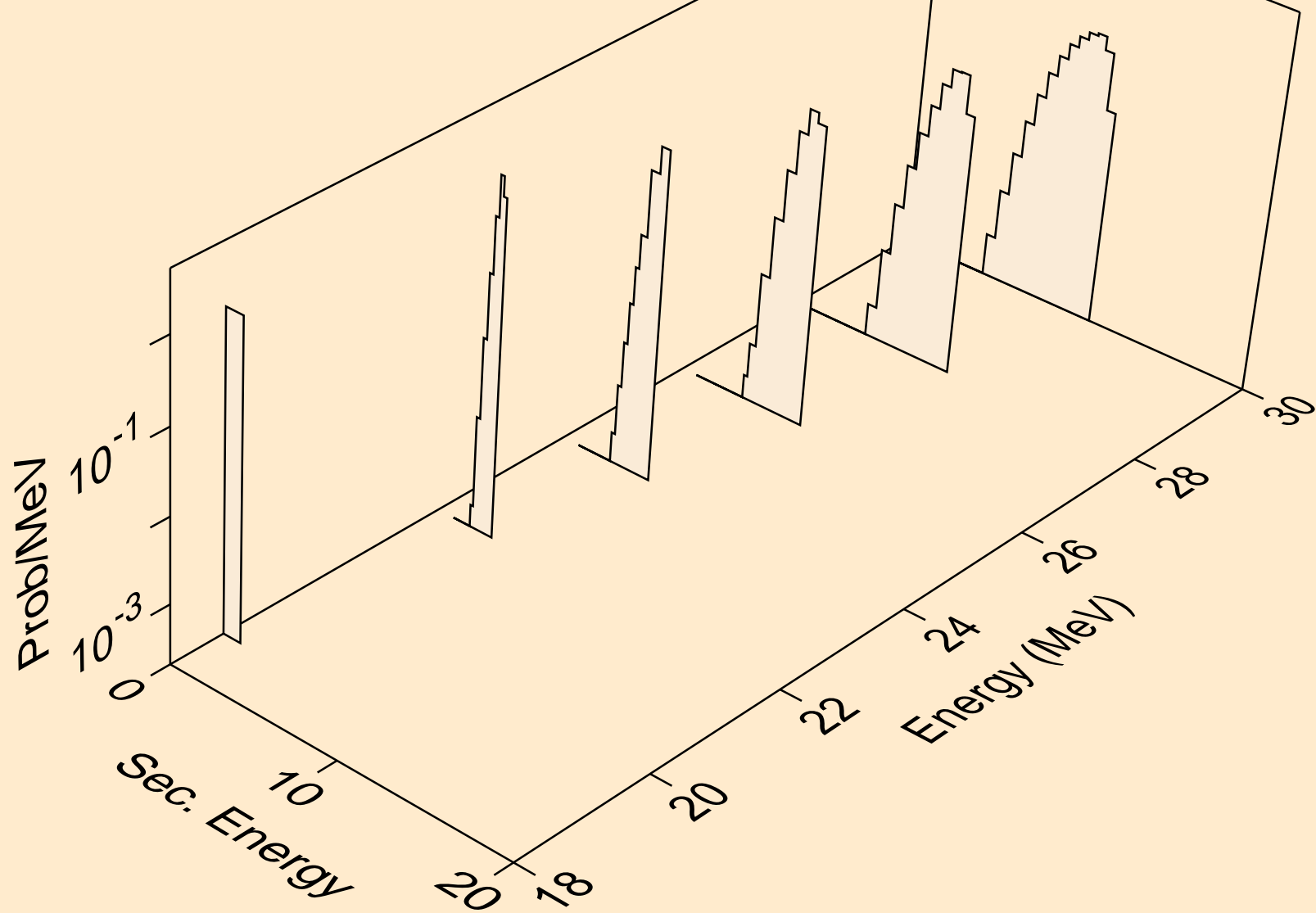
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protons from (a,p)



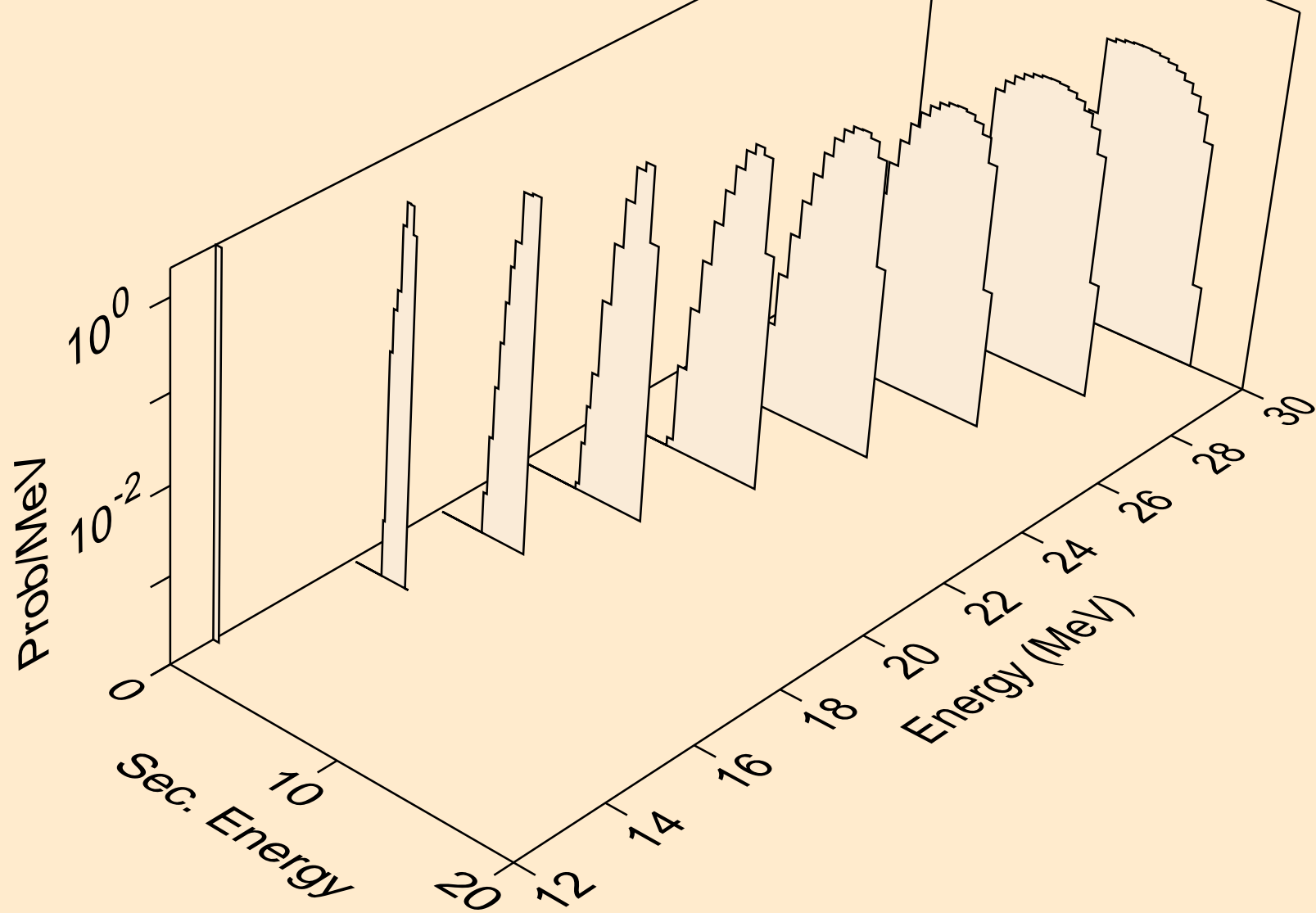
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deuterons from (a,x)



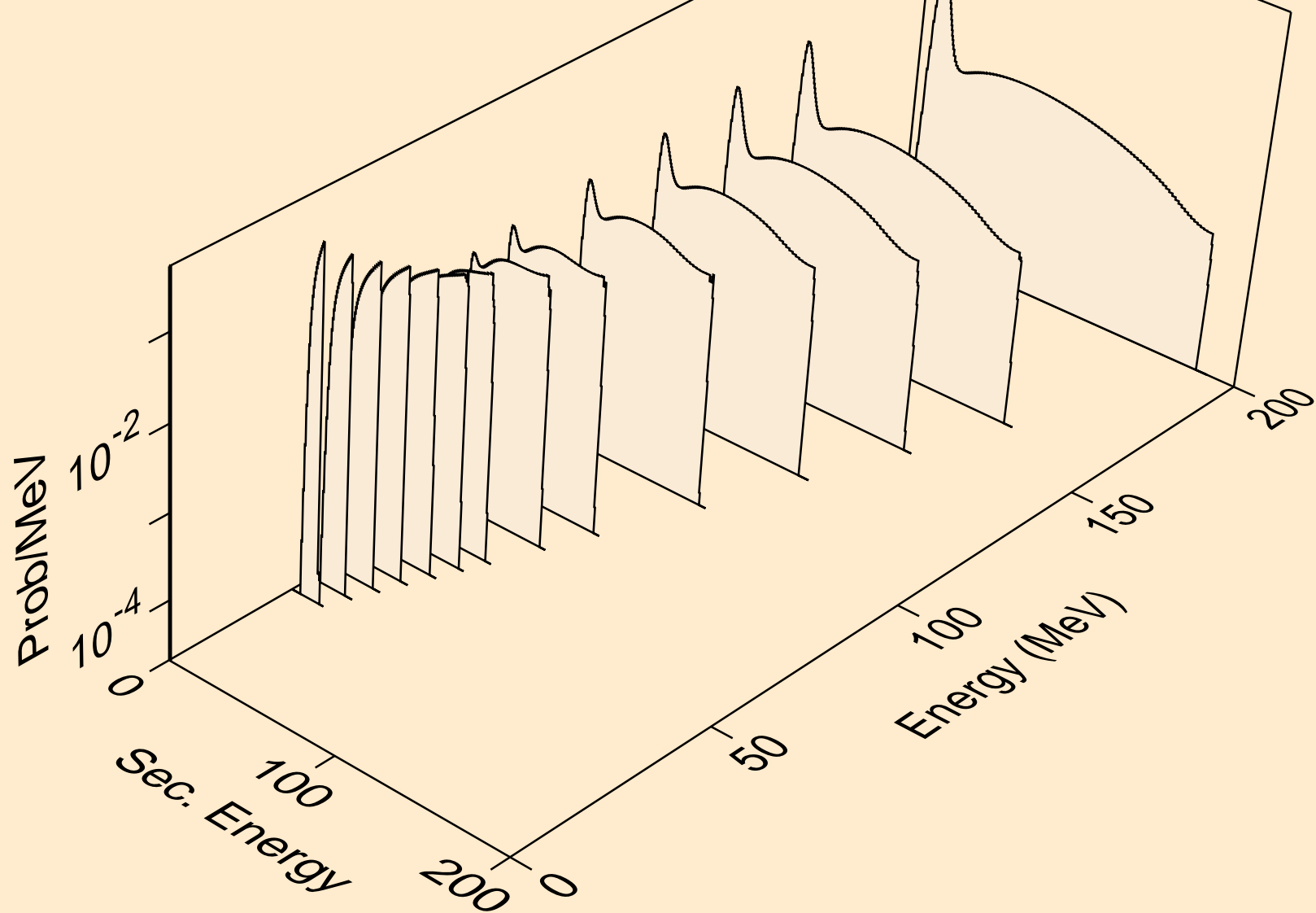
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



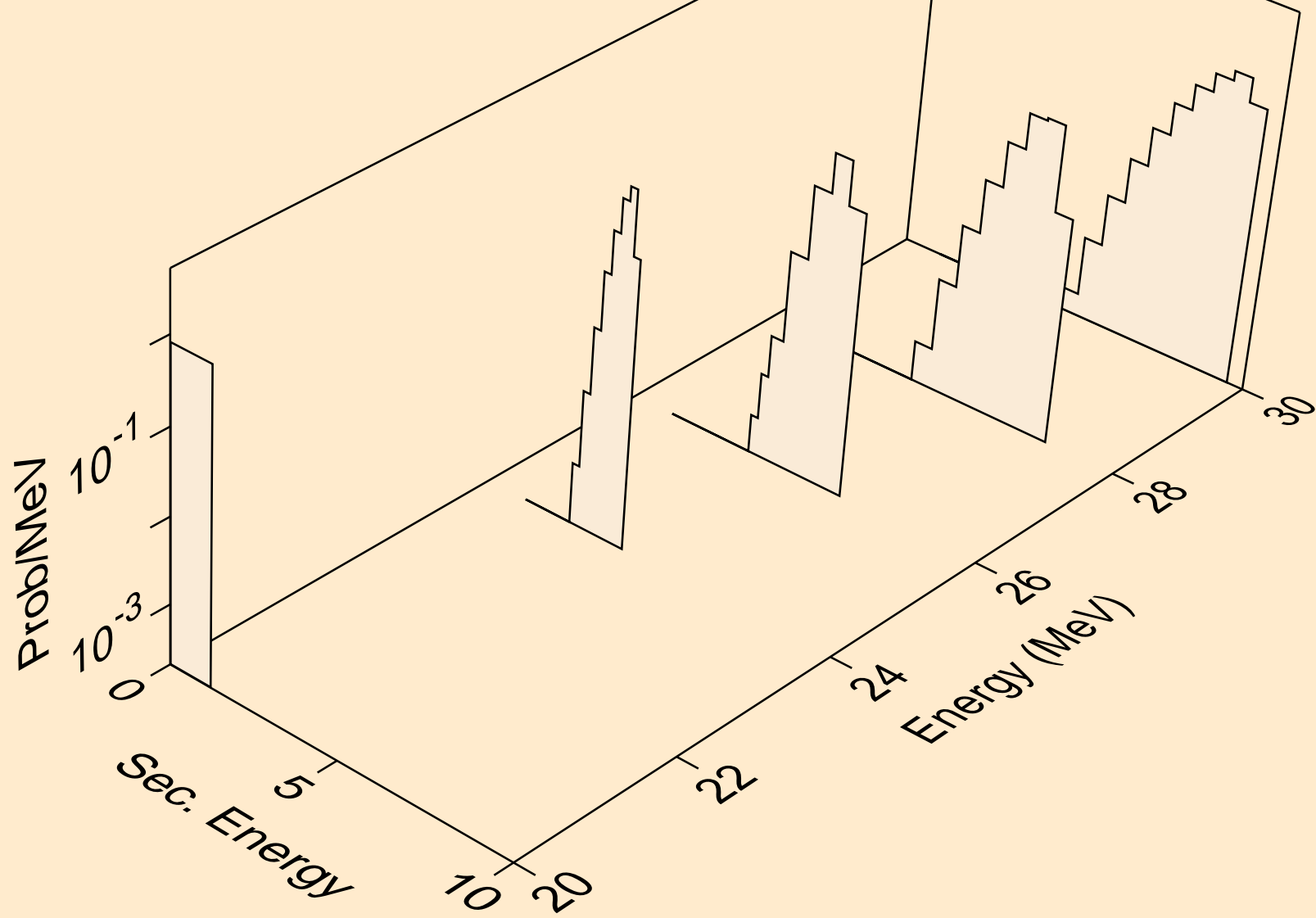
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



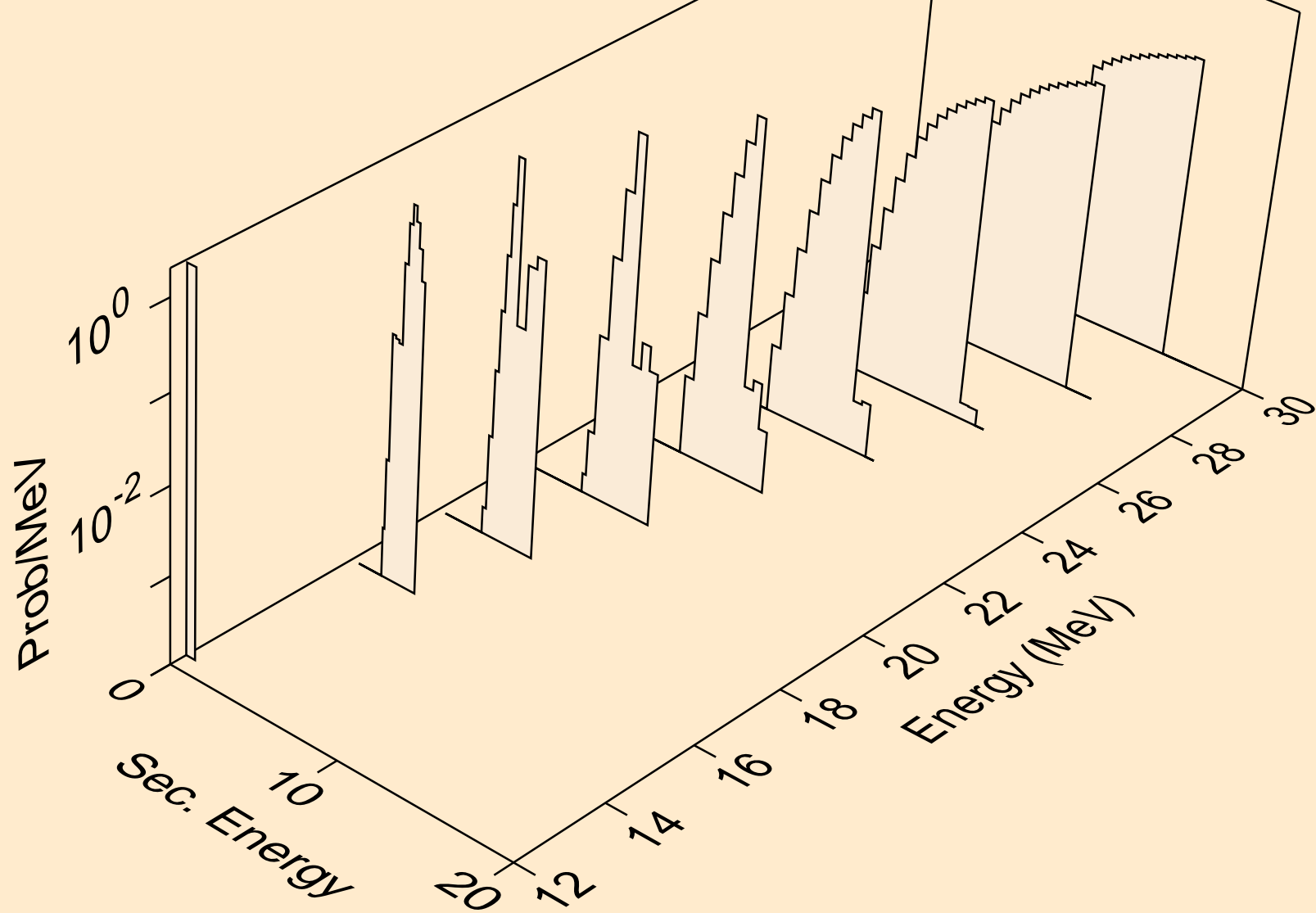
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
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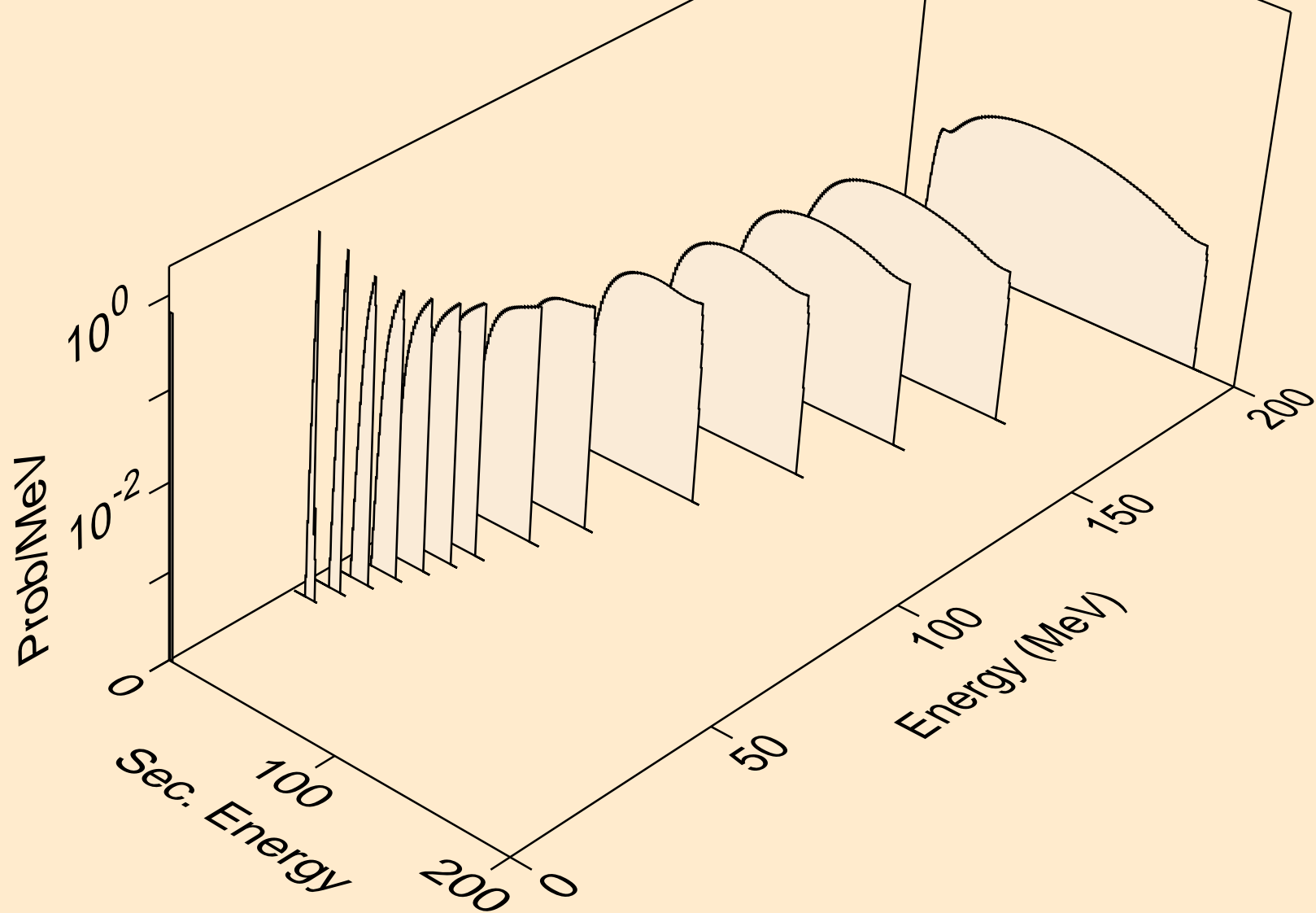
ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



ND152 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

