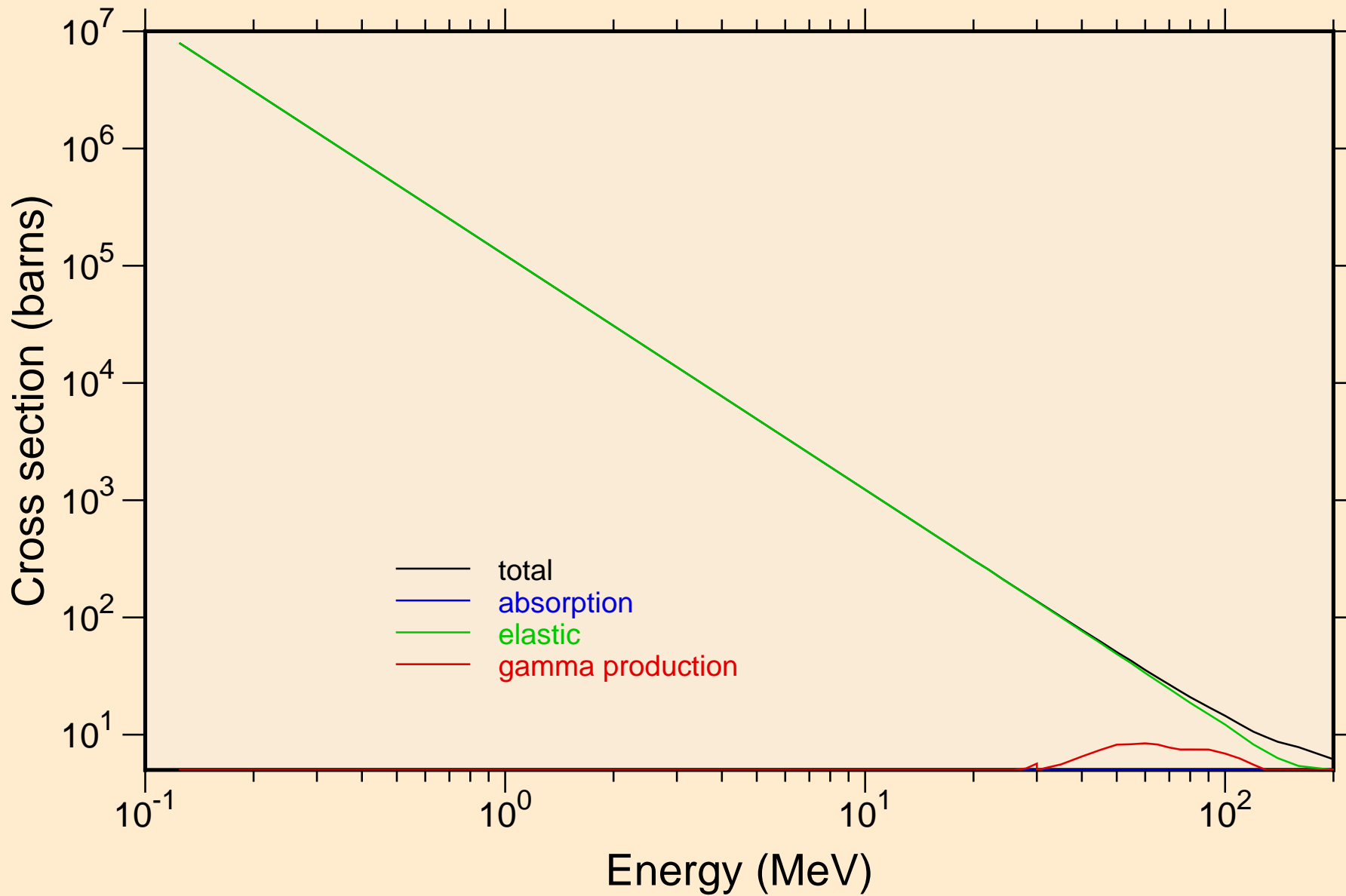
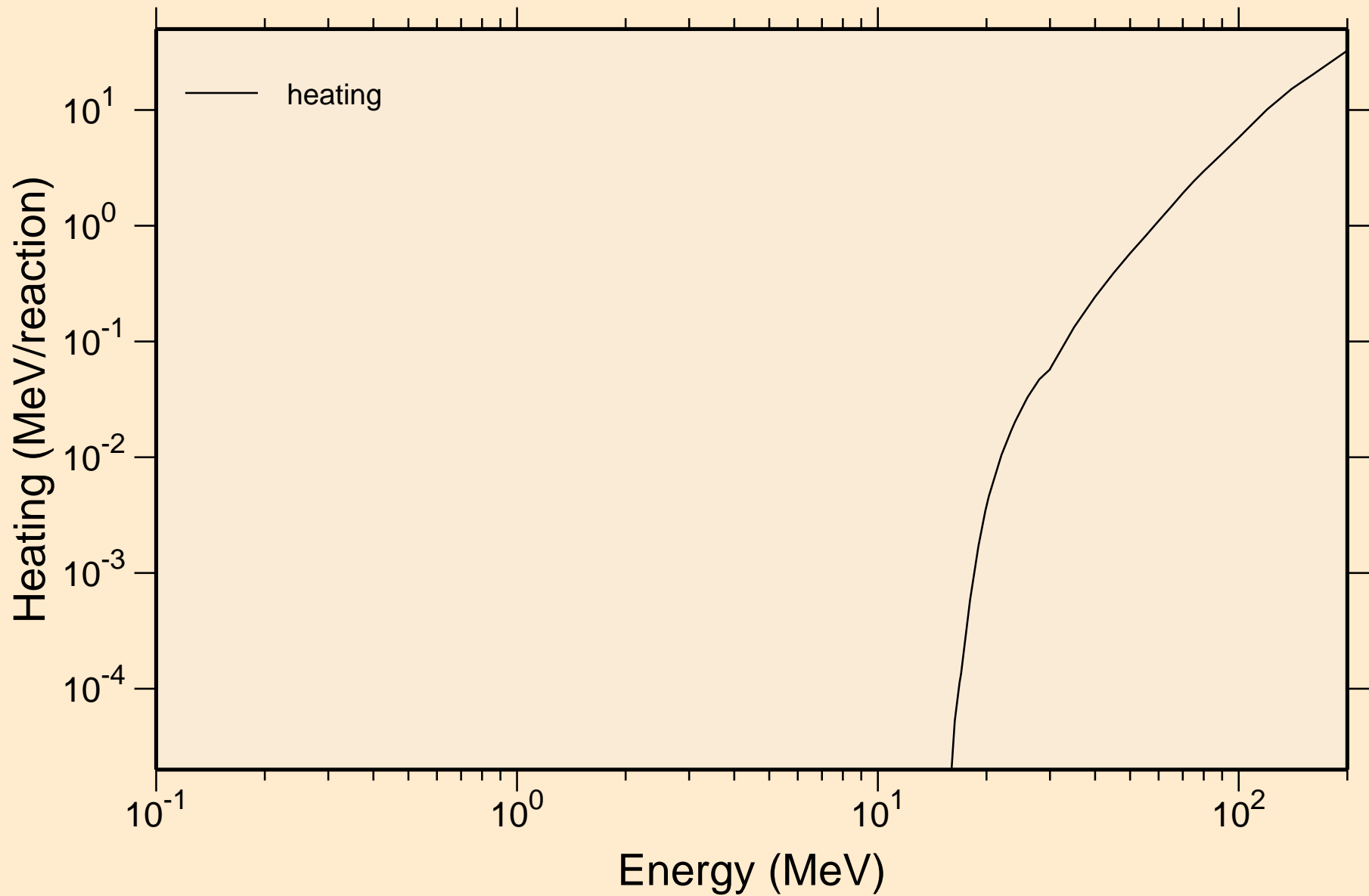


TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

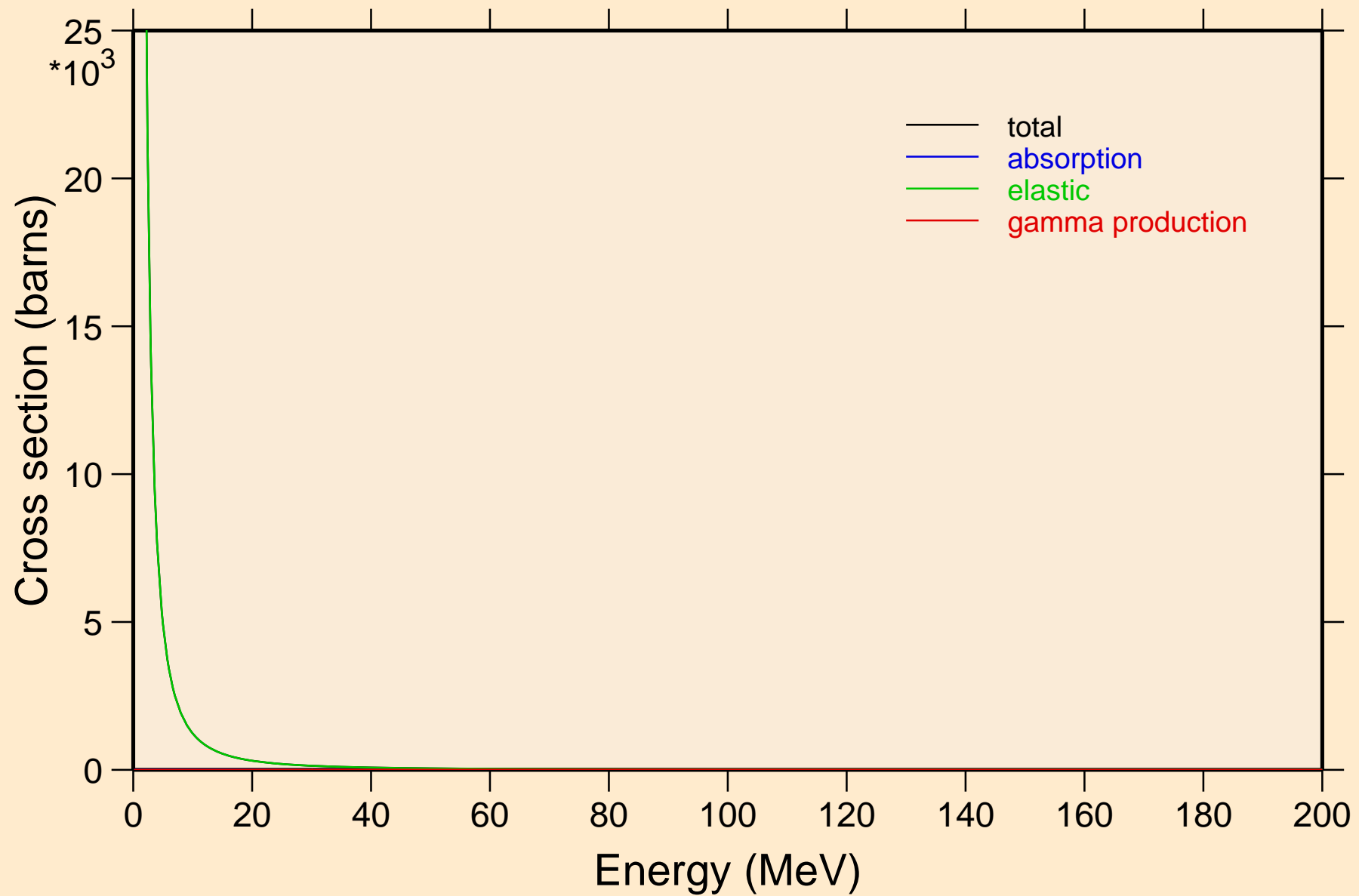


TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Heating



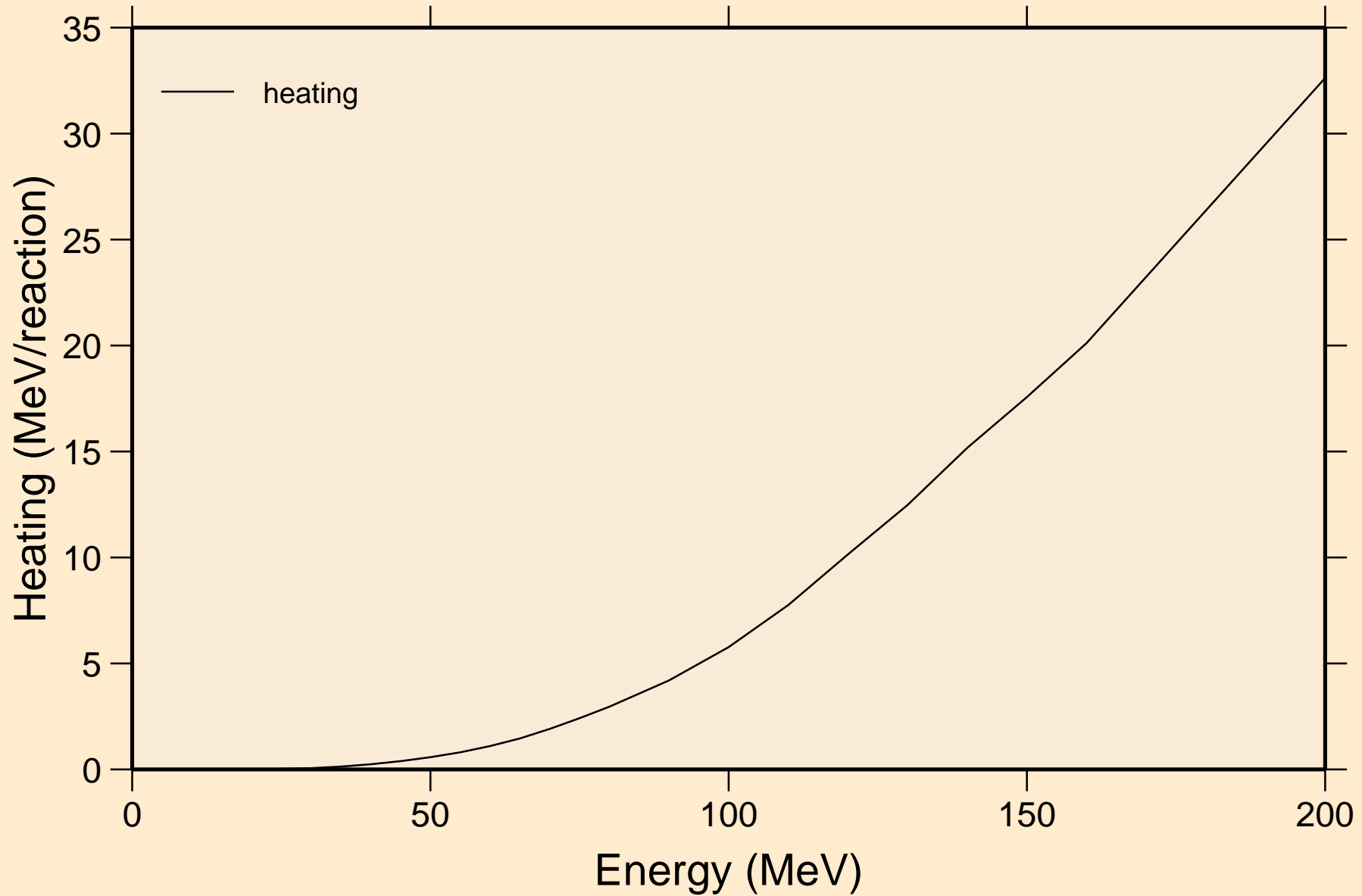
# TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

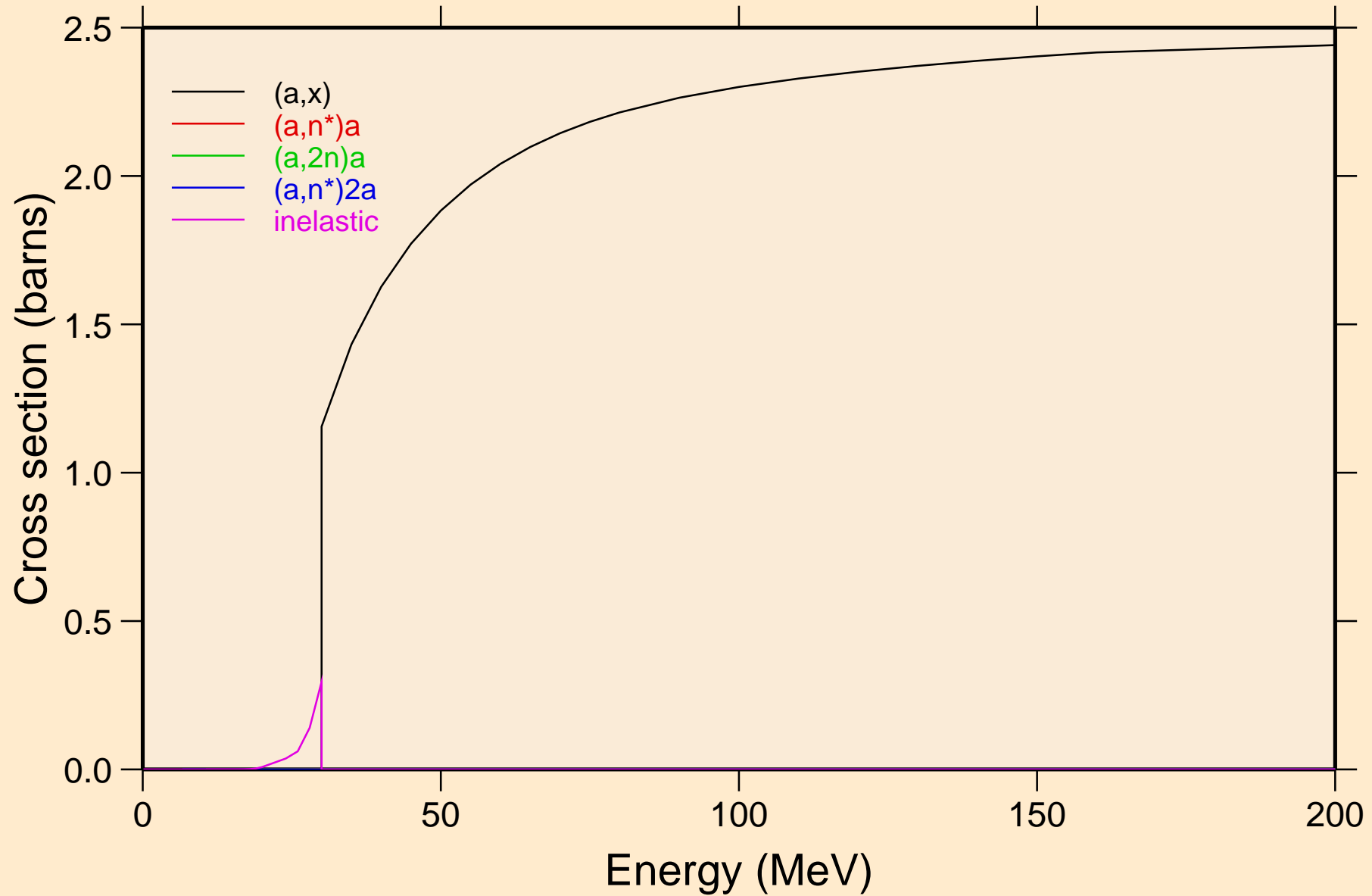


TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

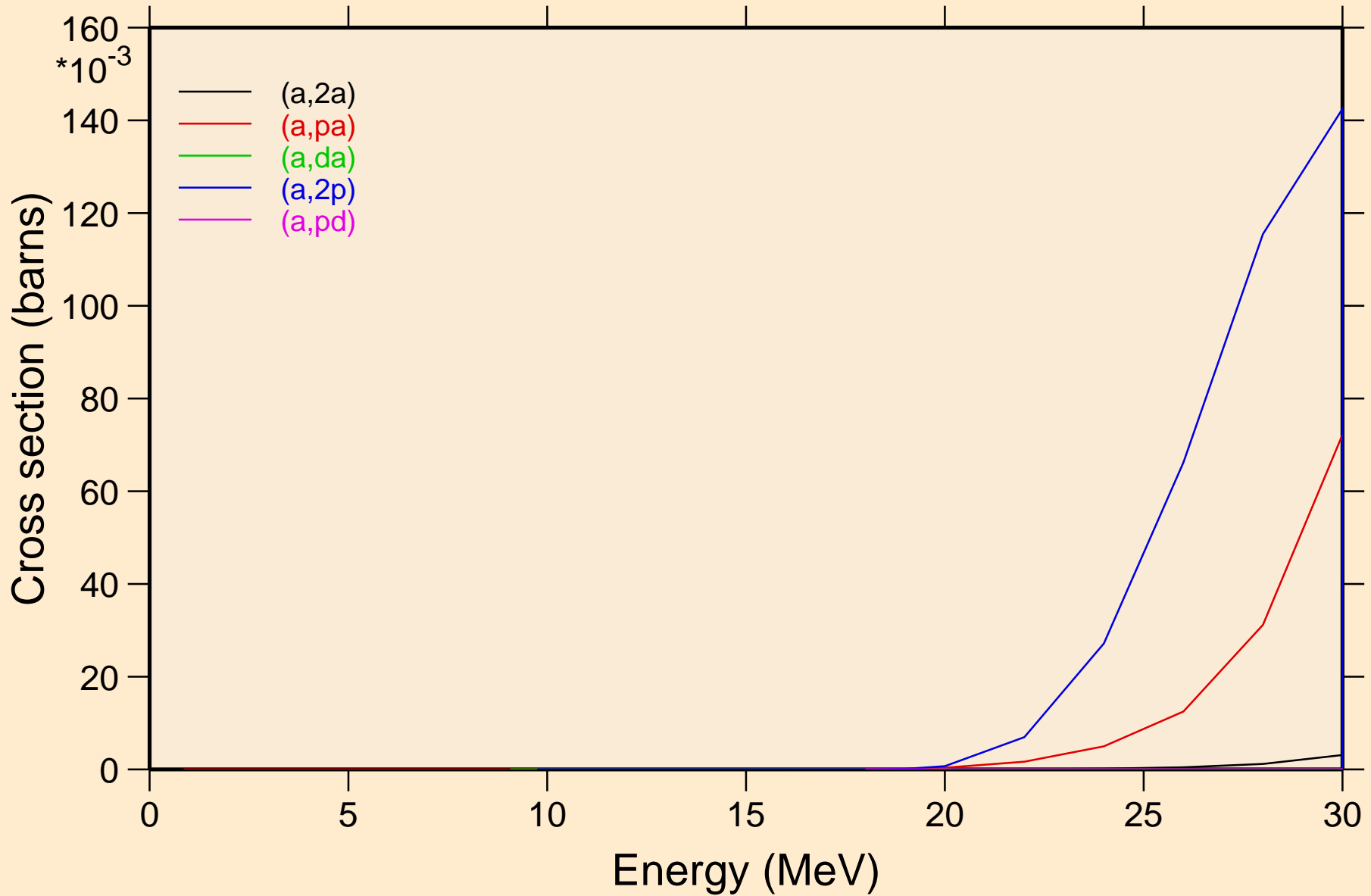
Heating



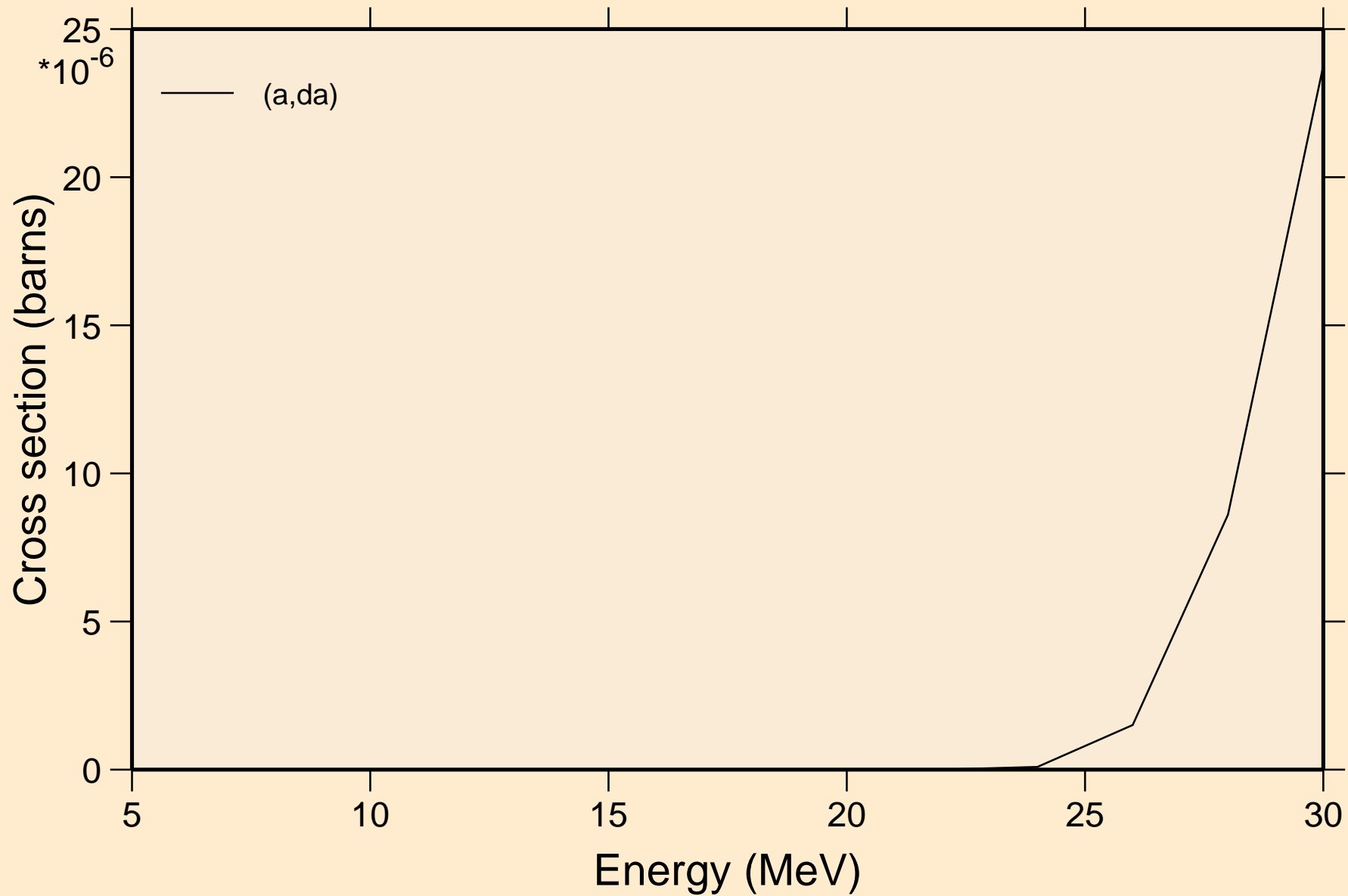
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



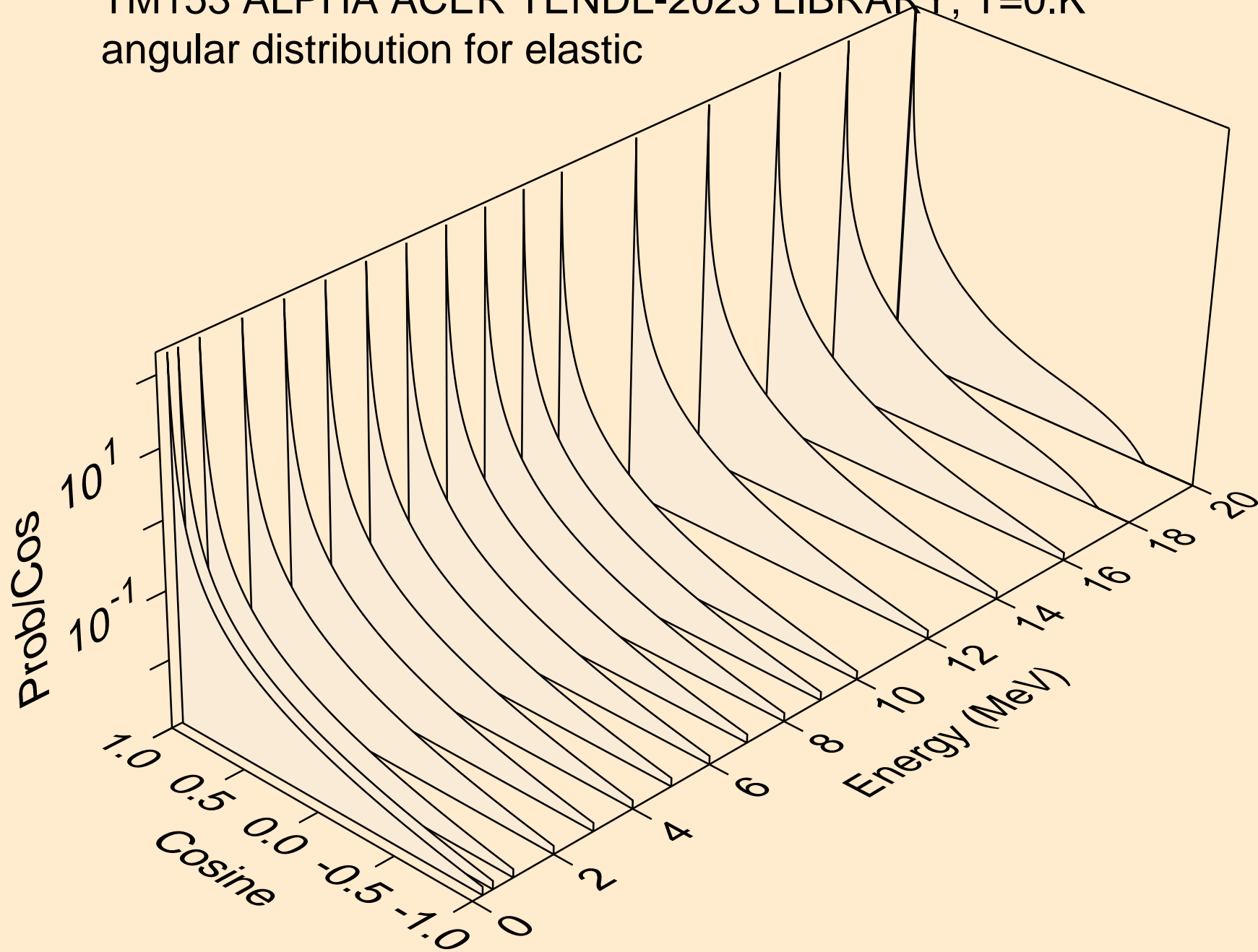
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Threshold reactions



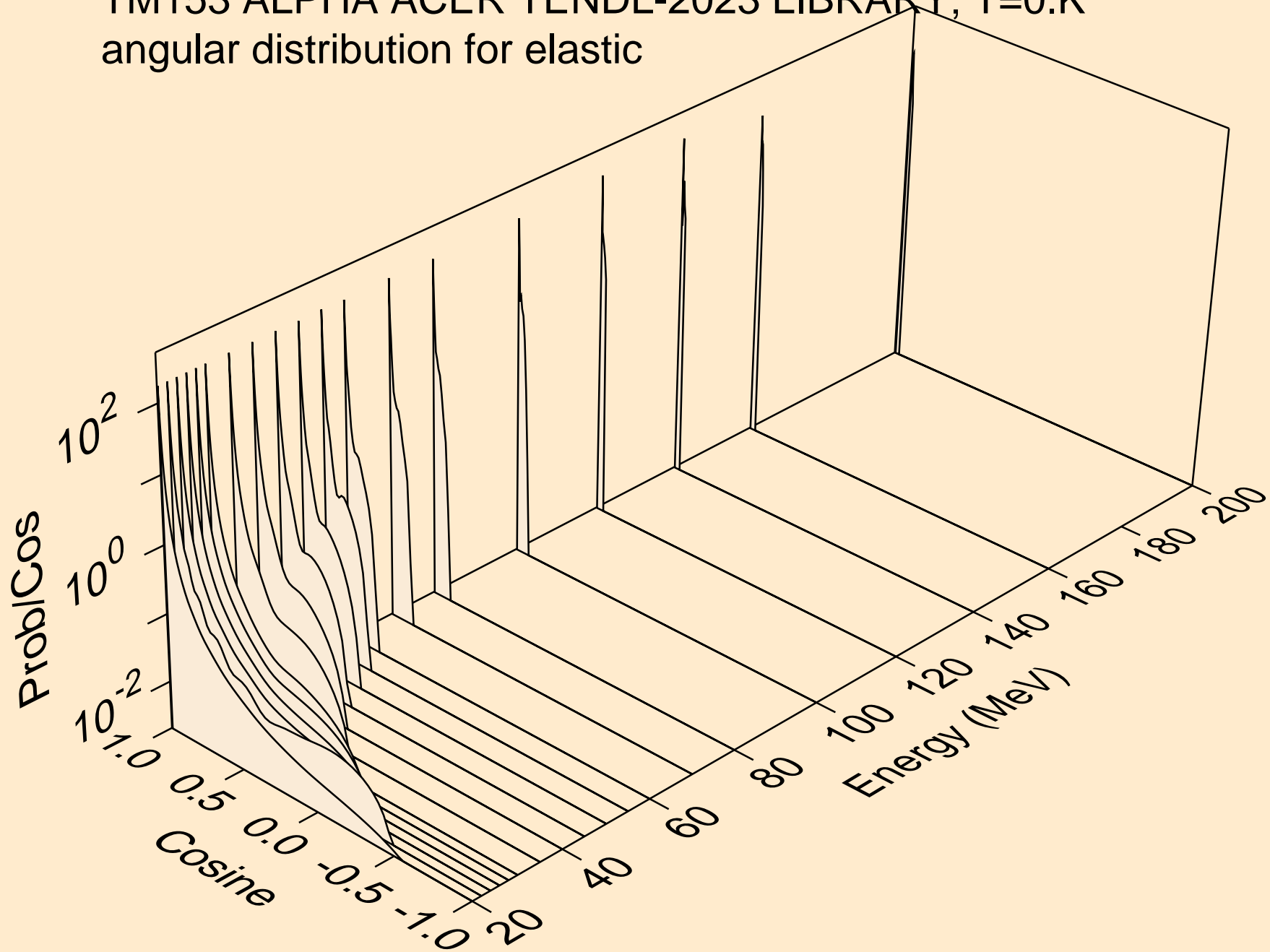
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Threshold reactions



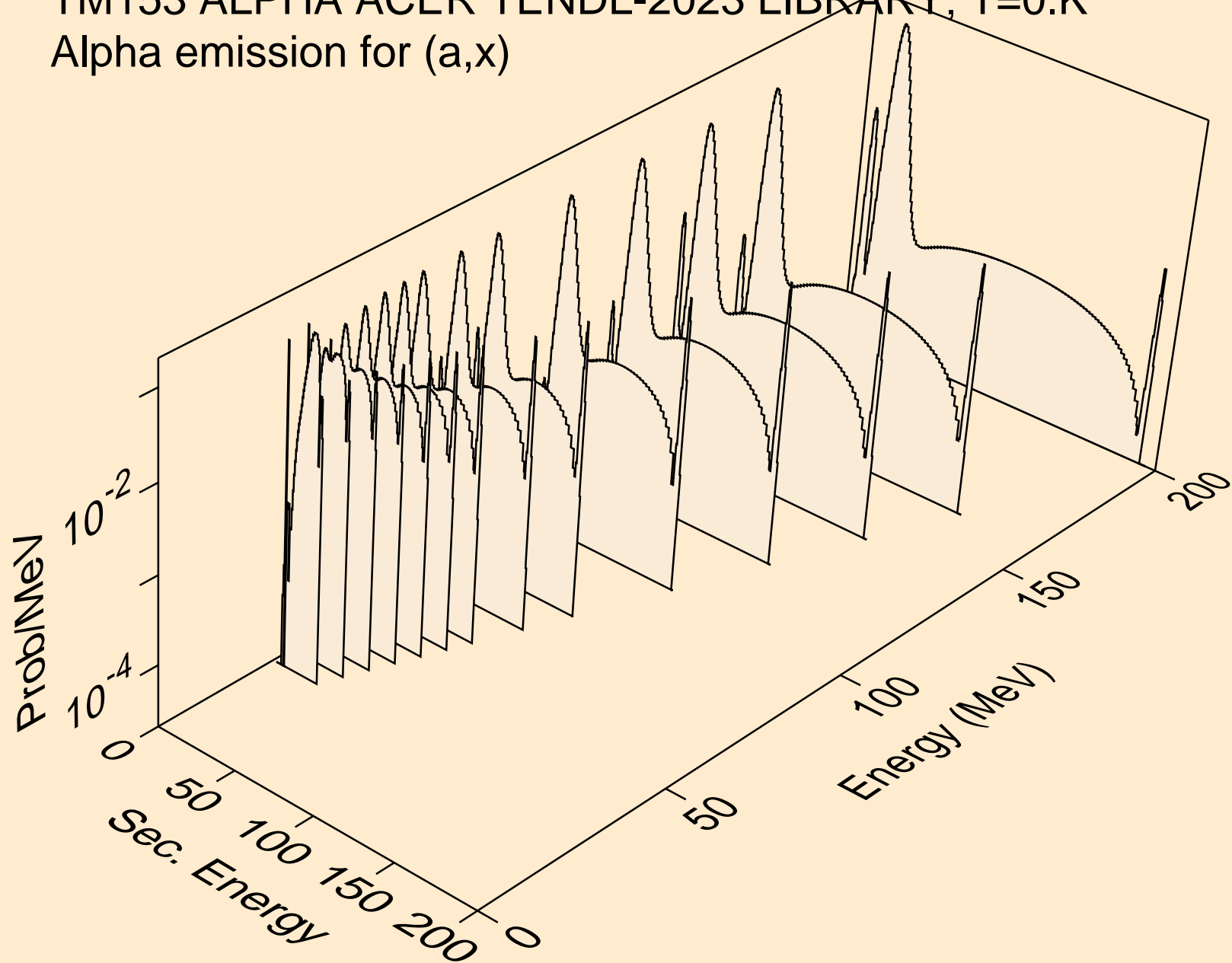
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



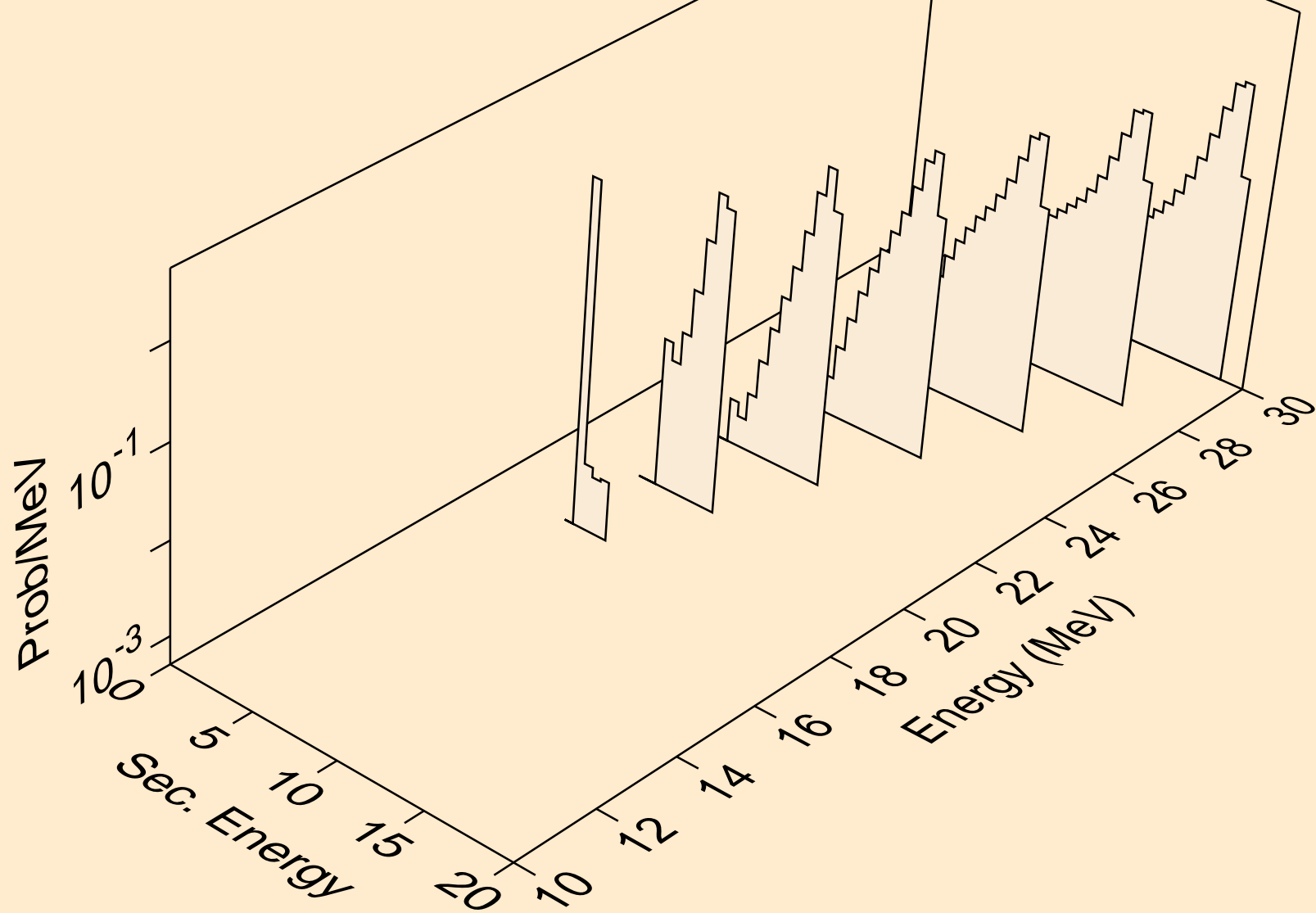
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



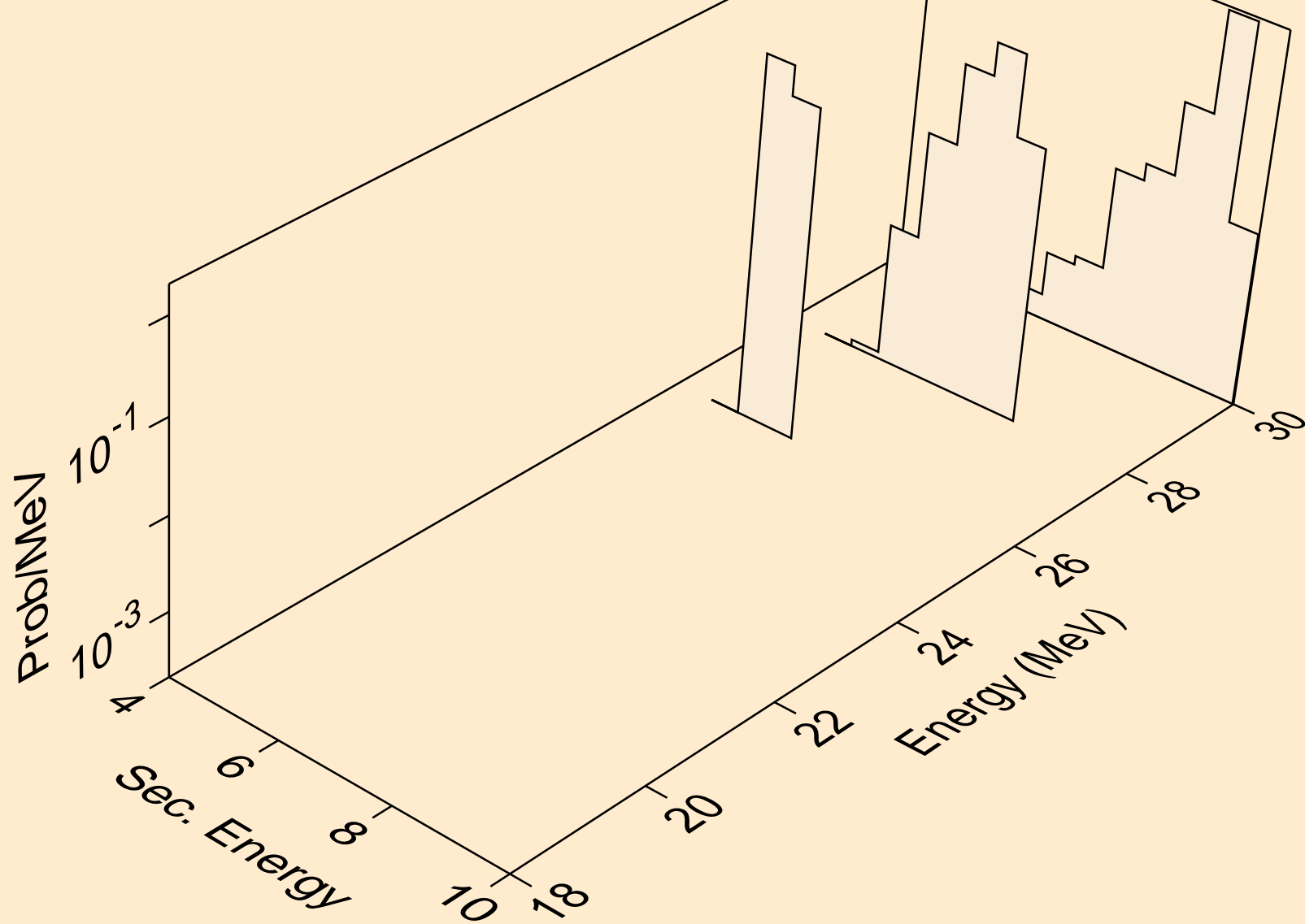
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



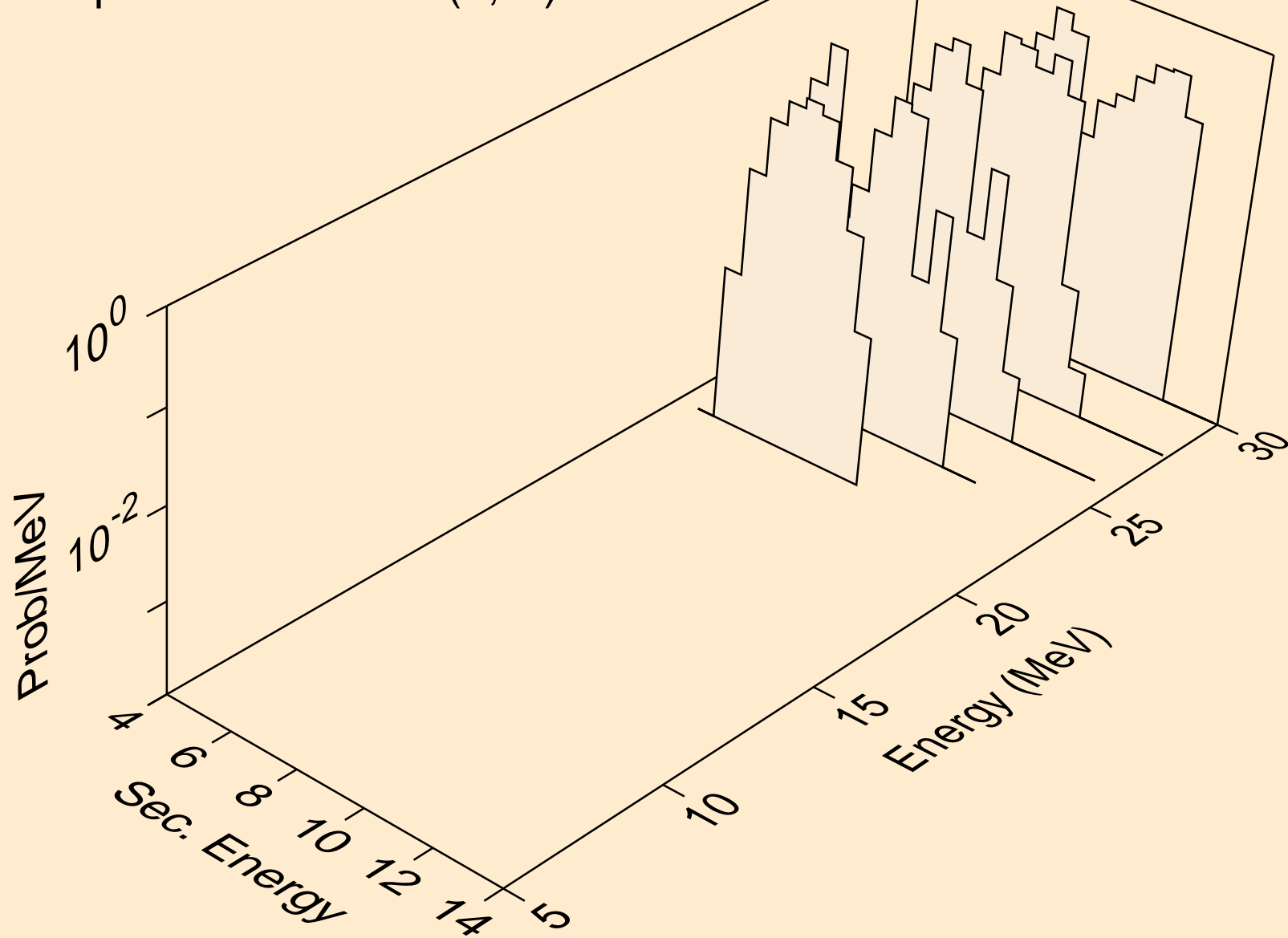
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



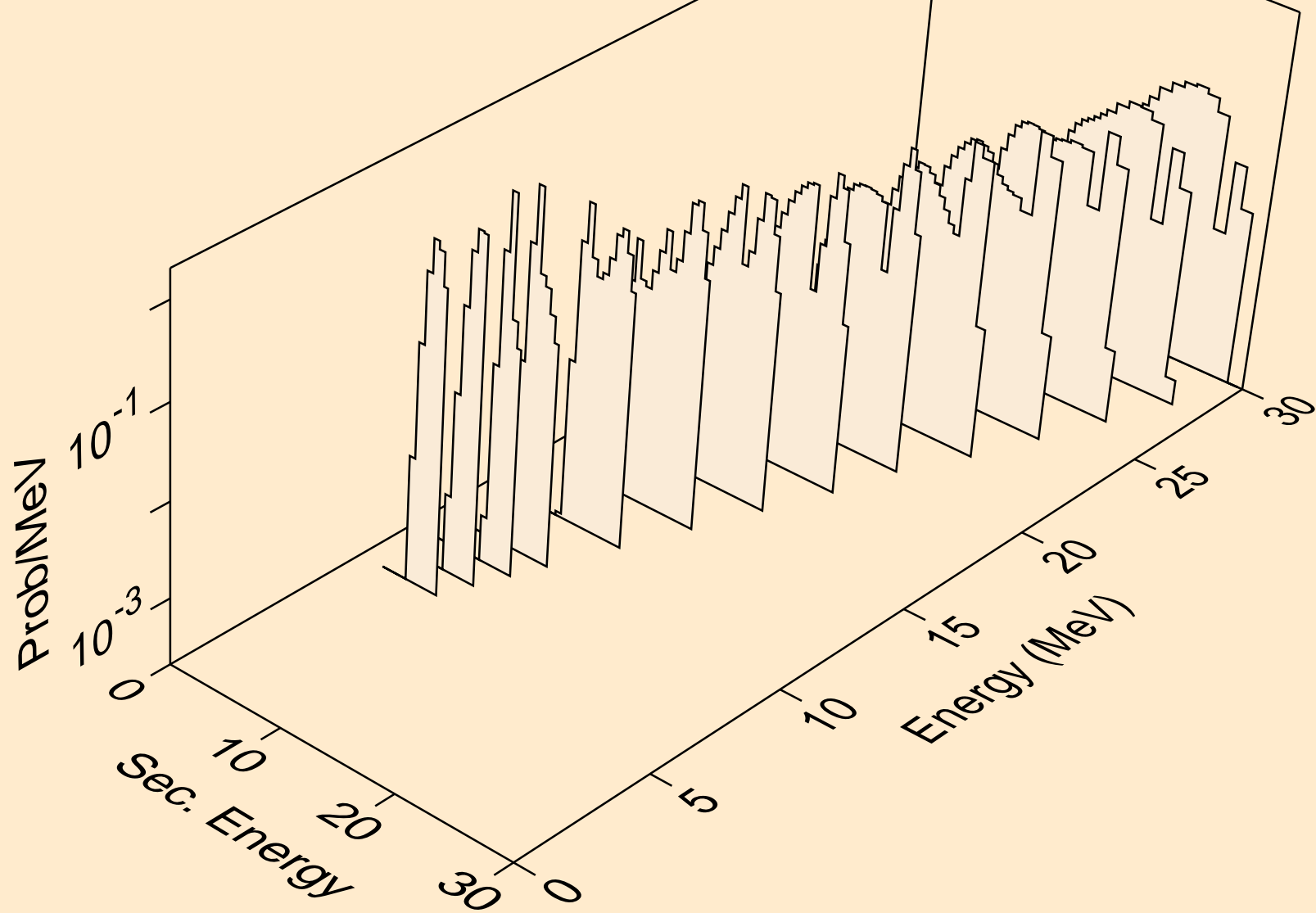
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



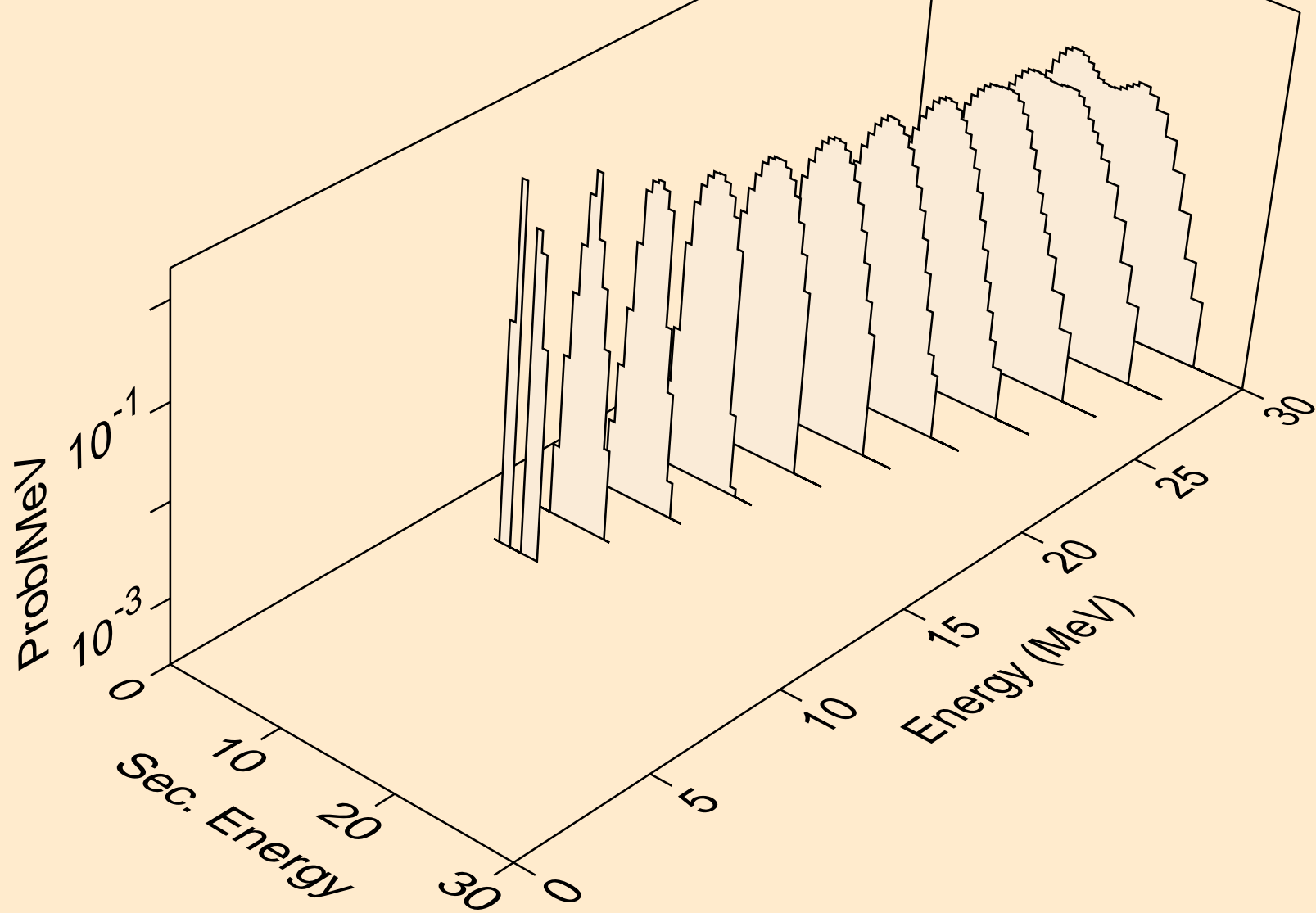
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



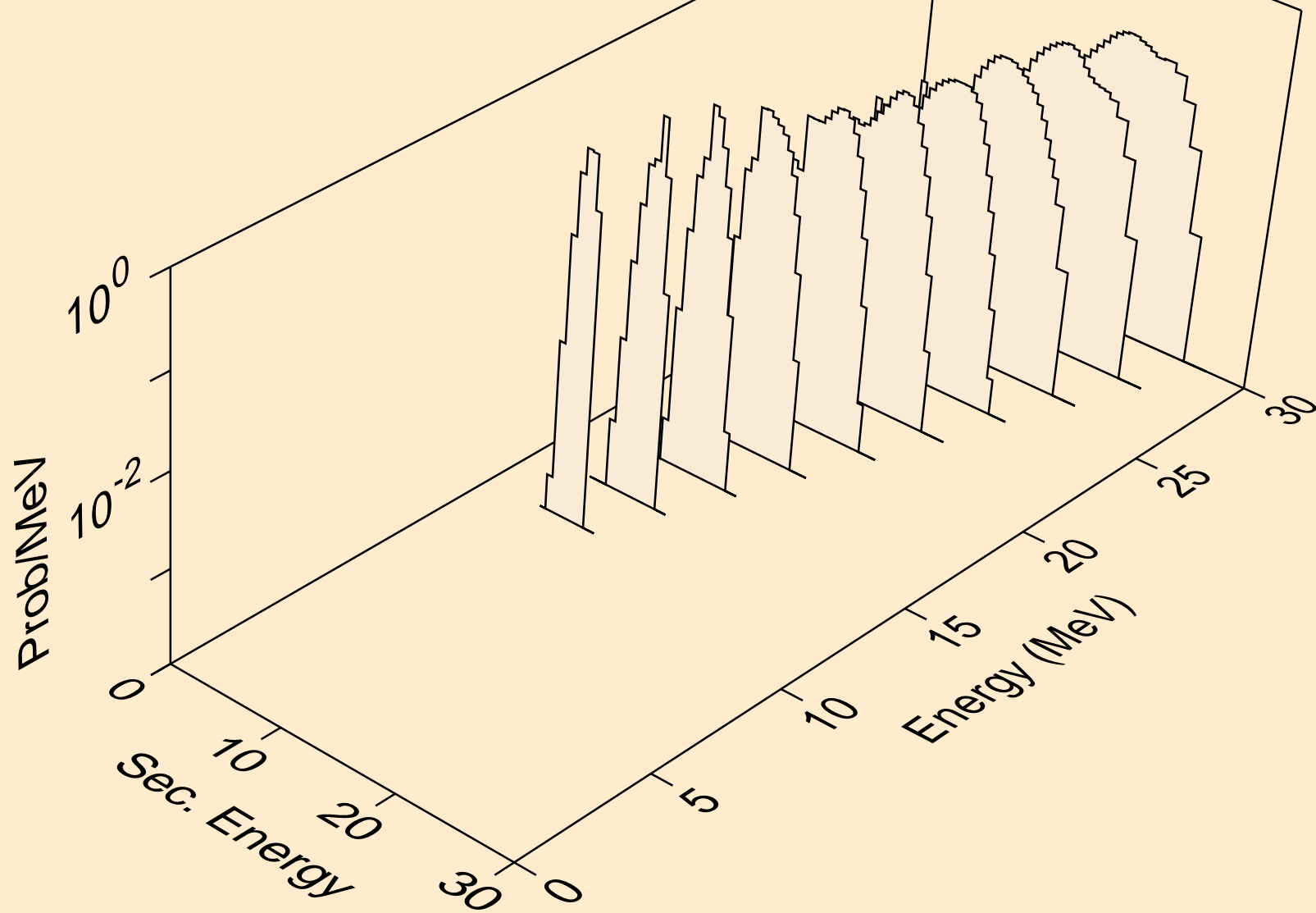
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



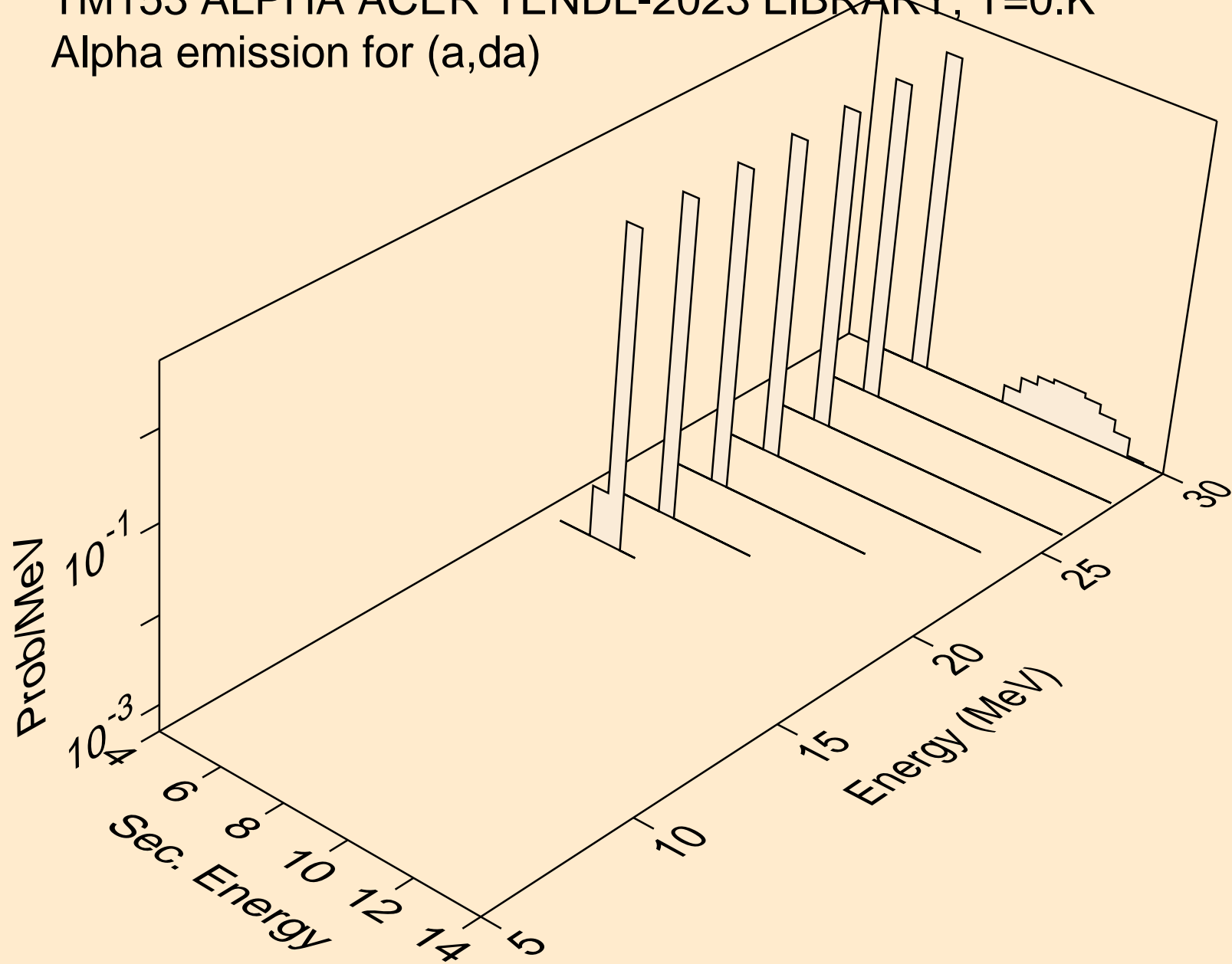
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Alpha emission for (a,2a)



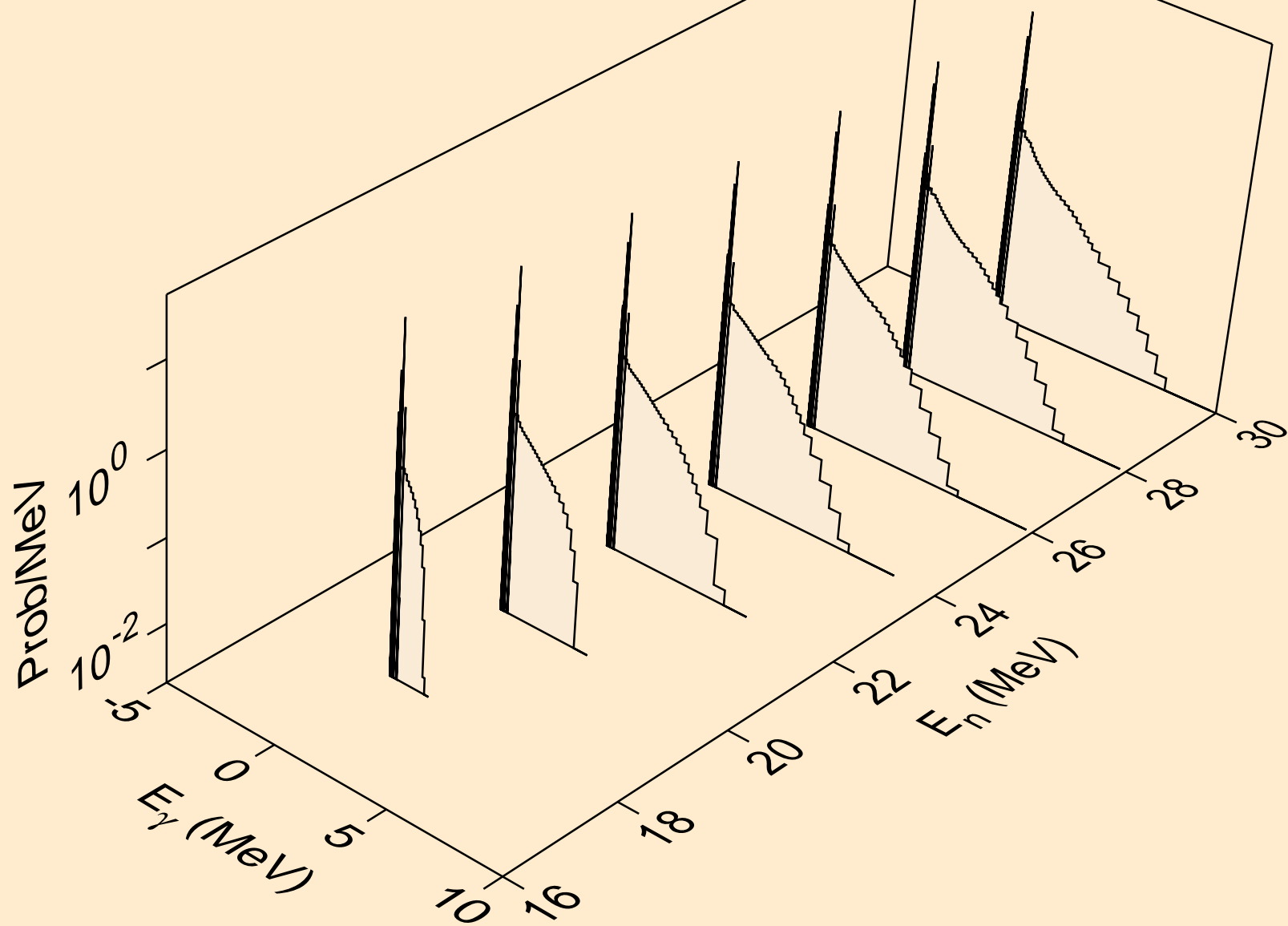
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



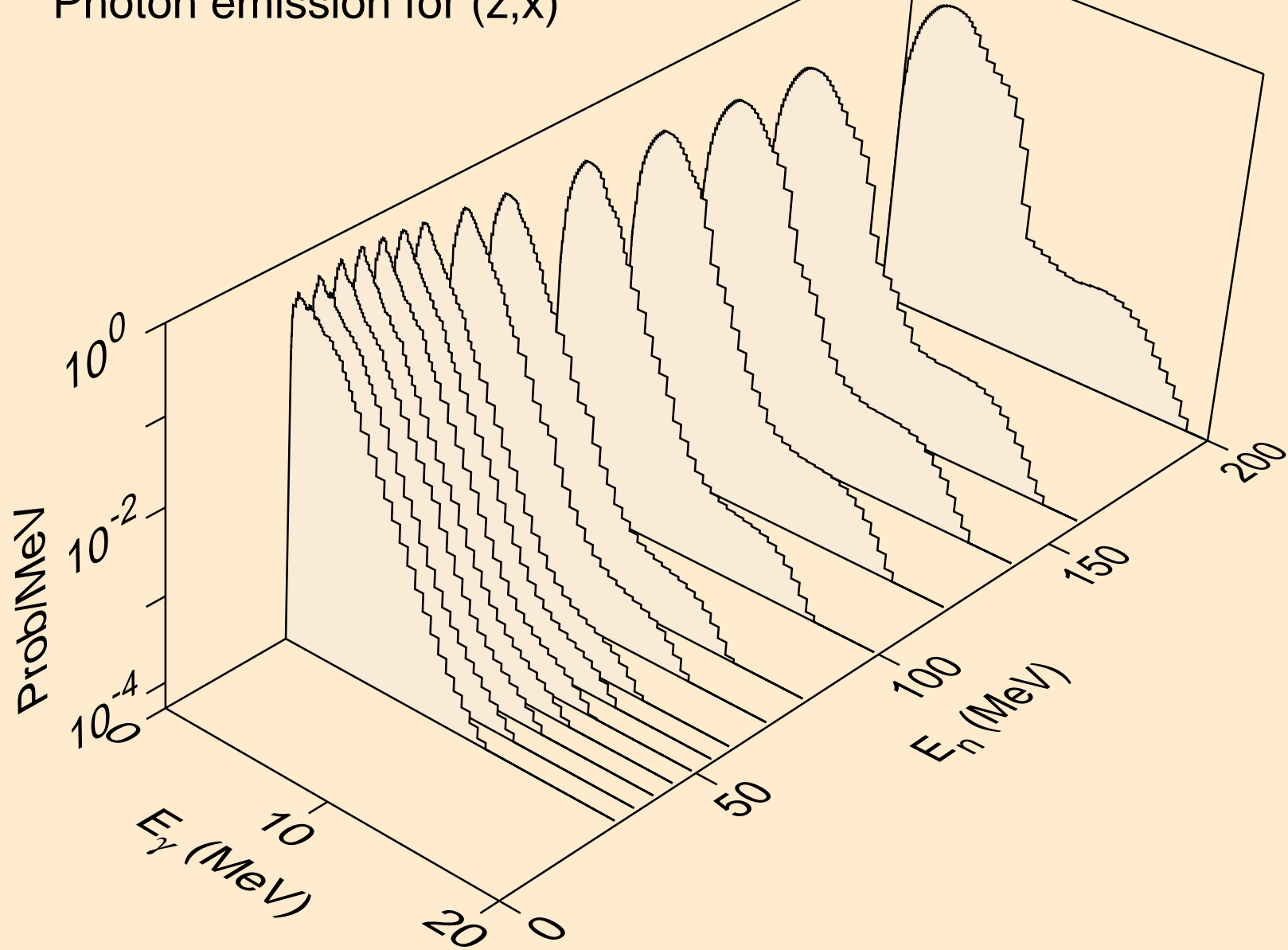
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Alpha emission for (a,da)



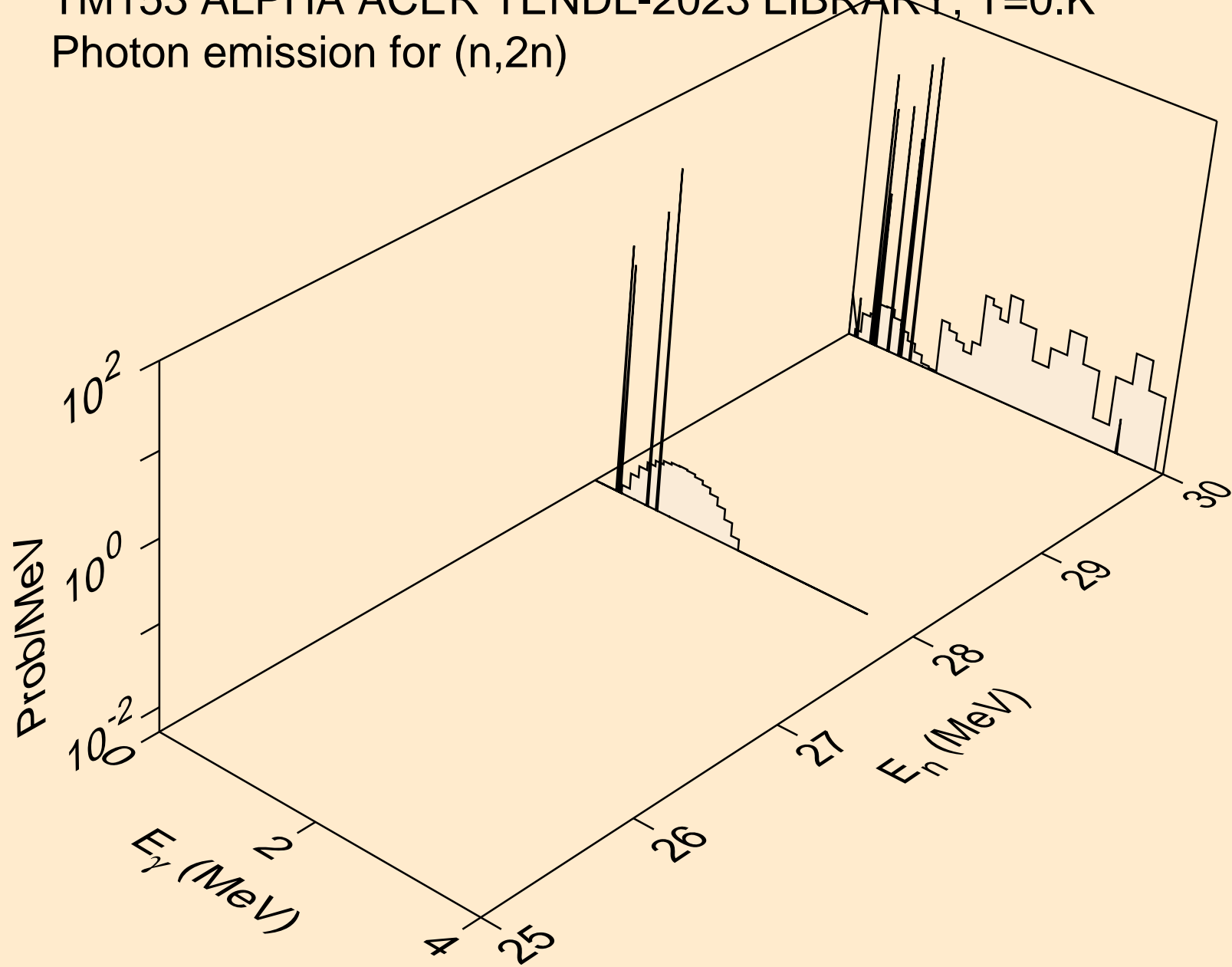
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Photon emission for (z,n)



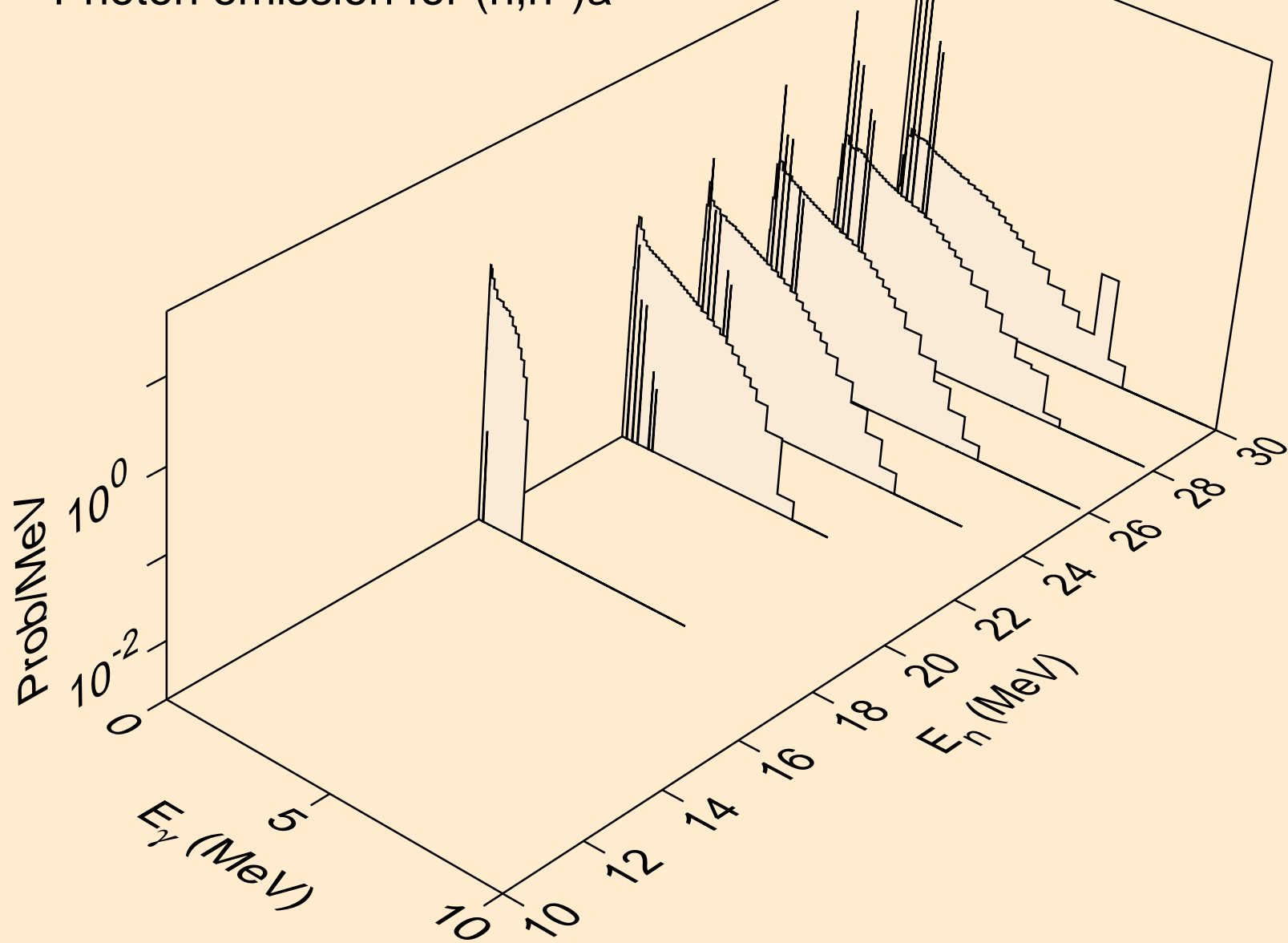
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



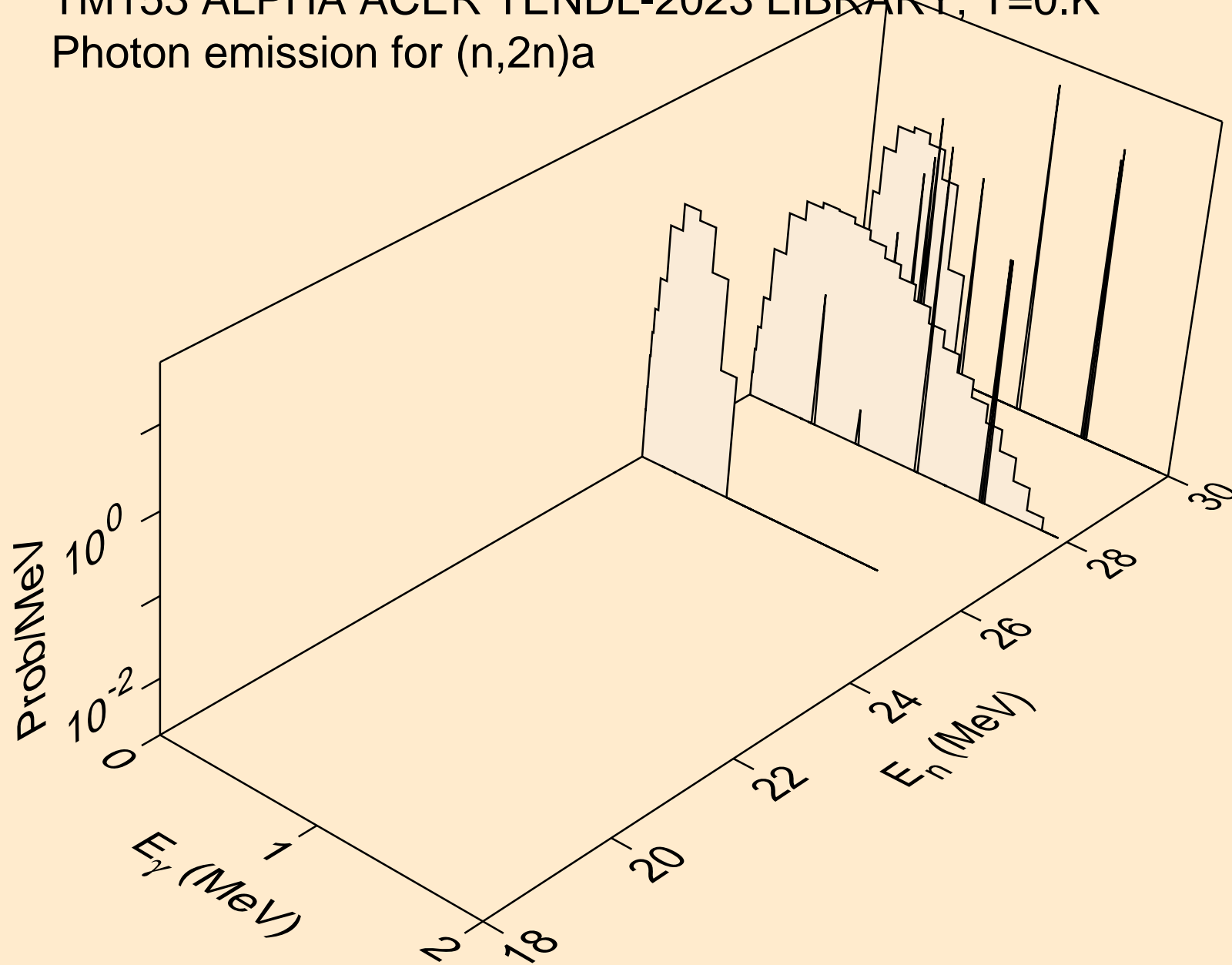
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



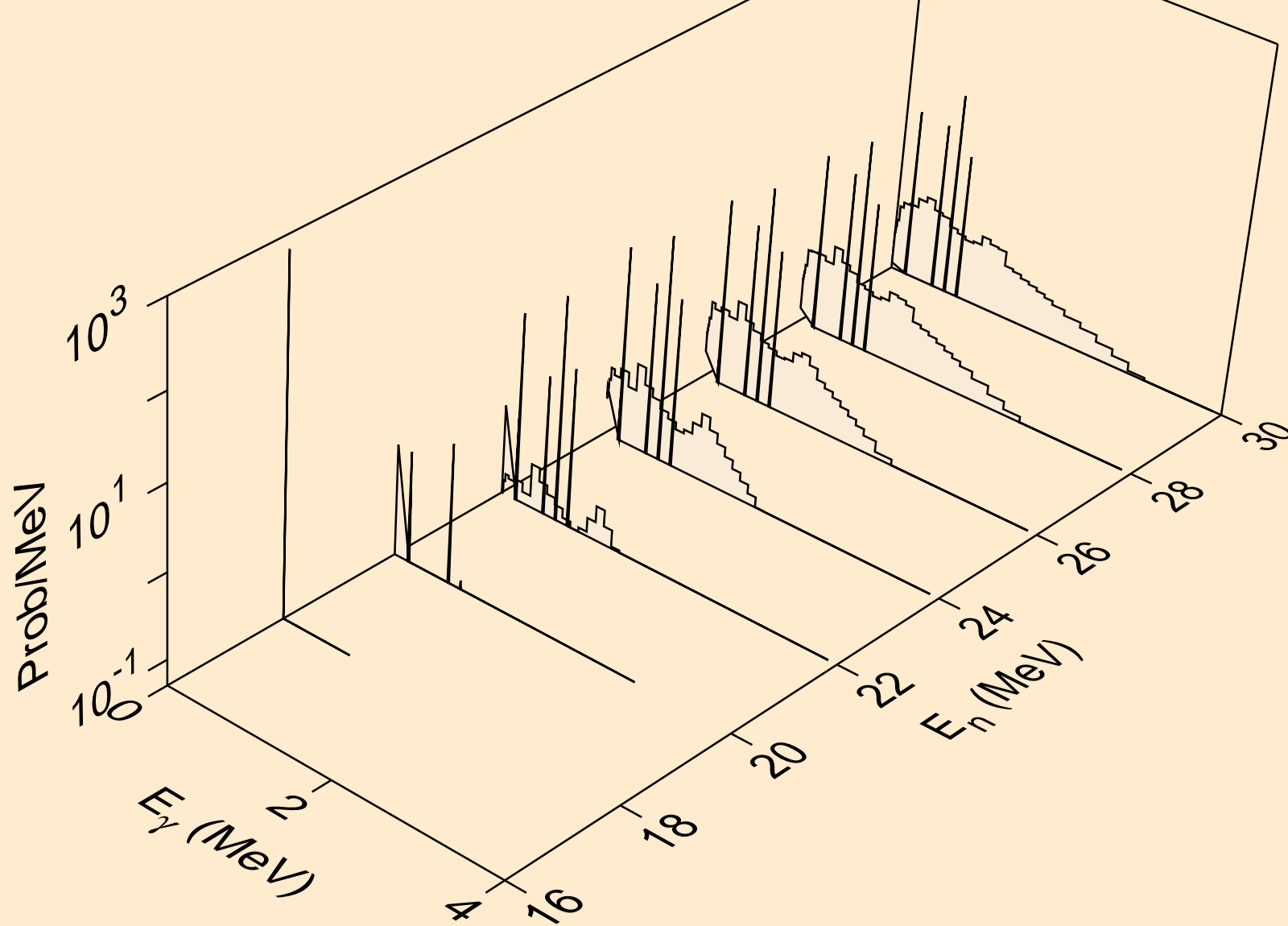
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



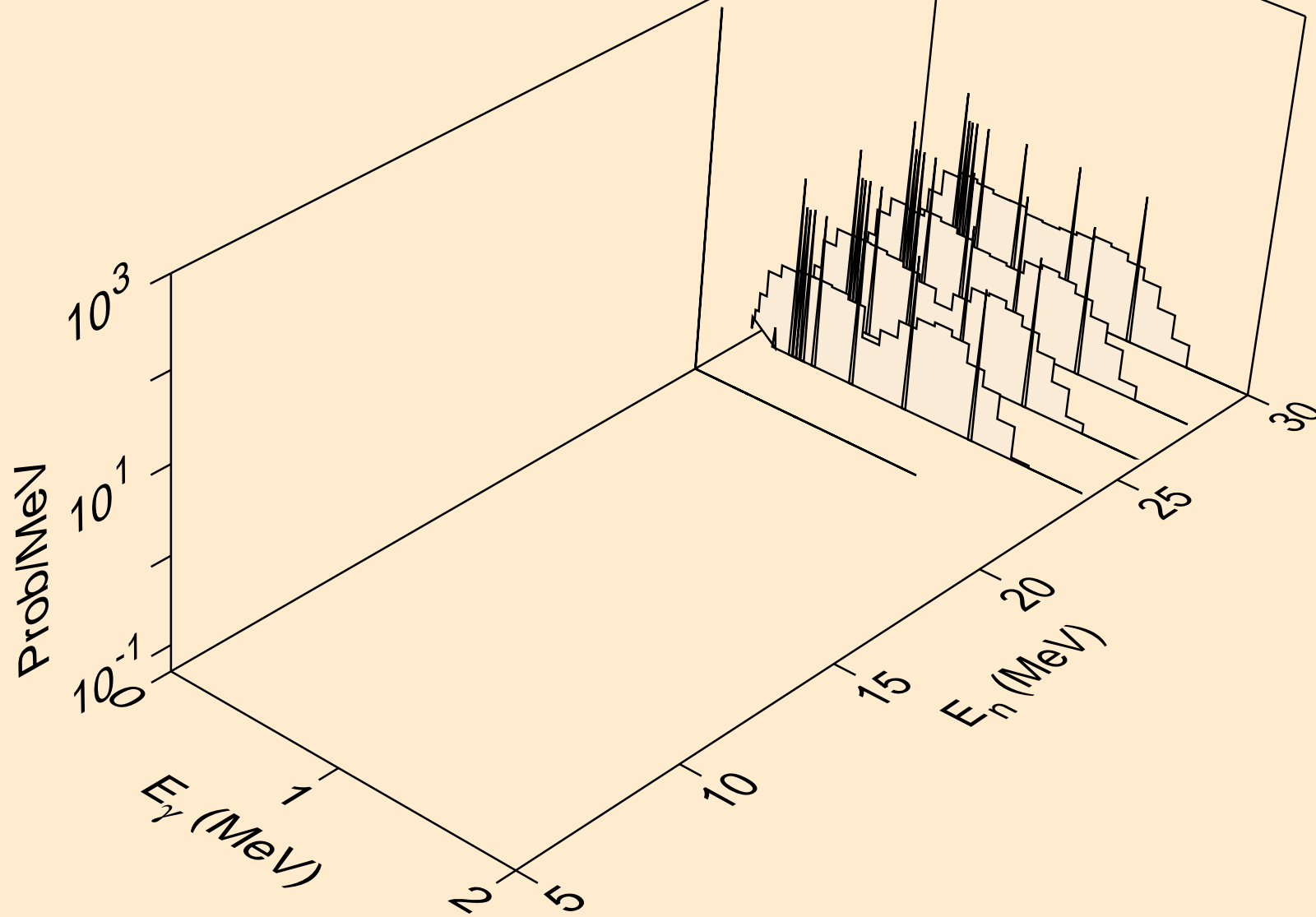
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Photon emission for (n,2n)a



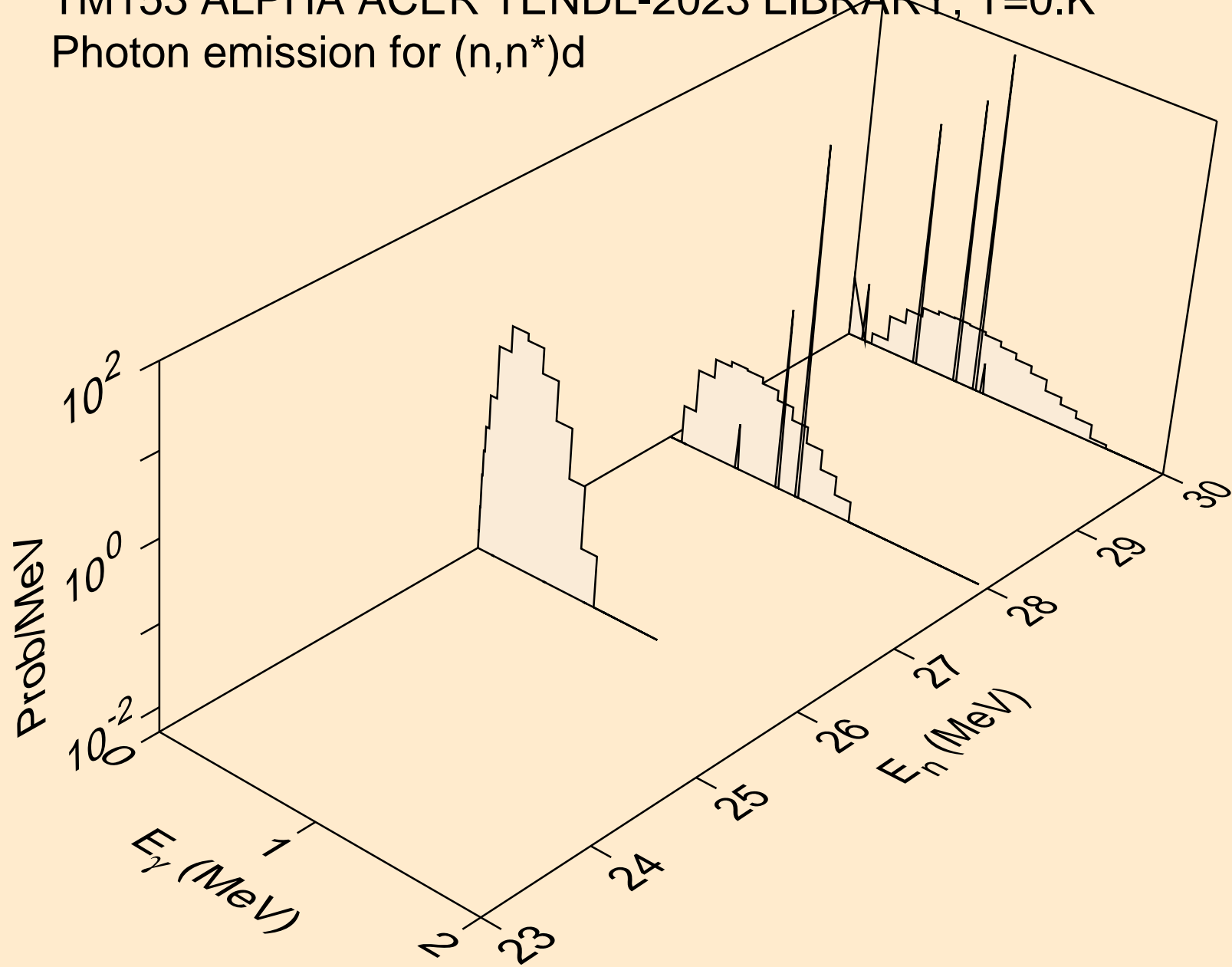
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Photon emission for (n,n\*)p



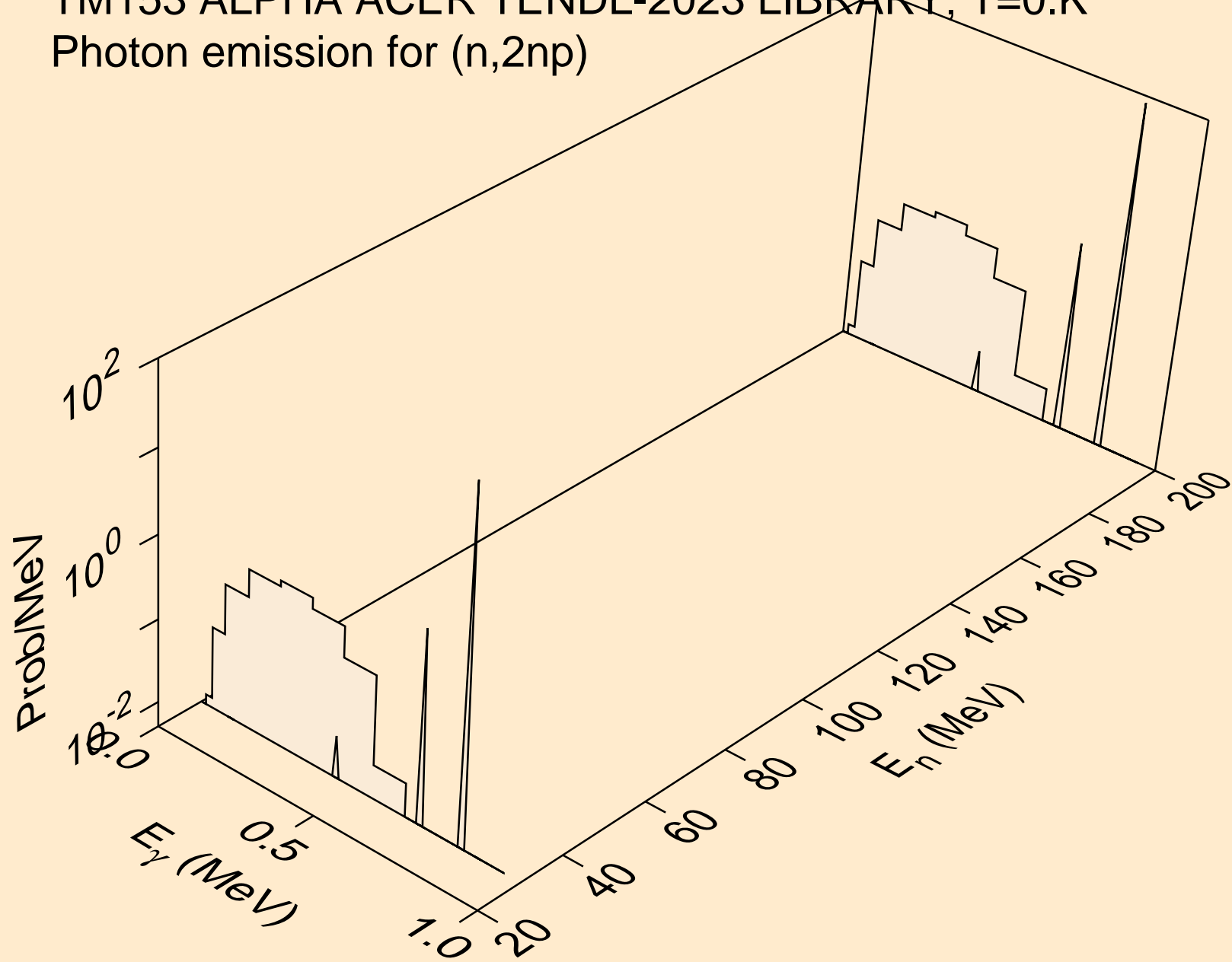
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Photon emission for (n,n\*)2a



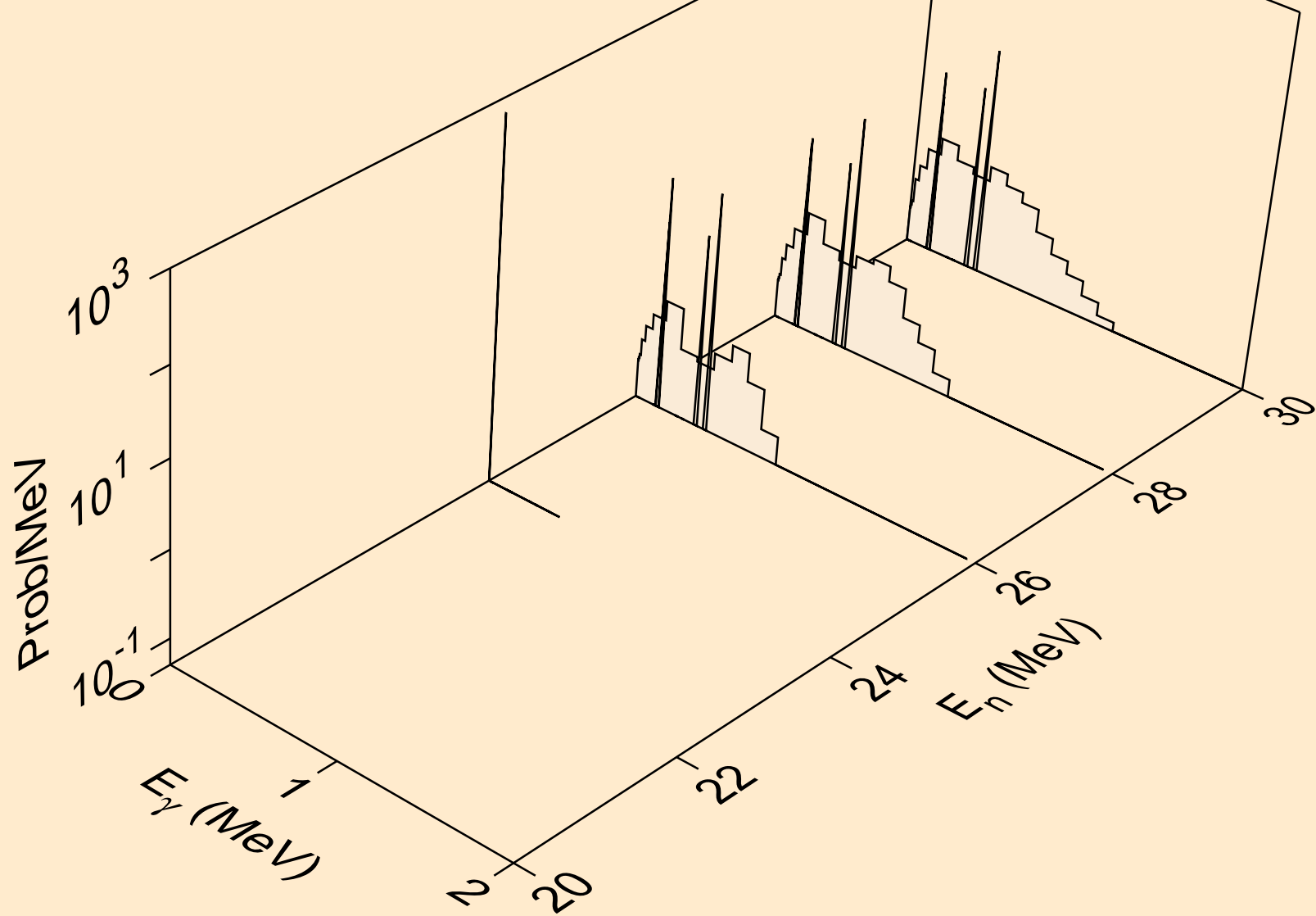
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



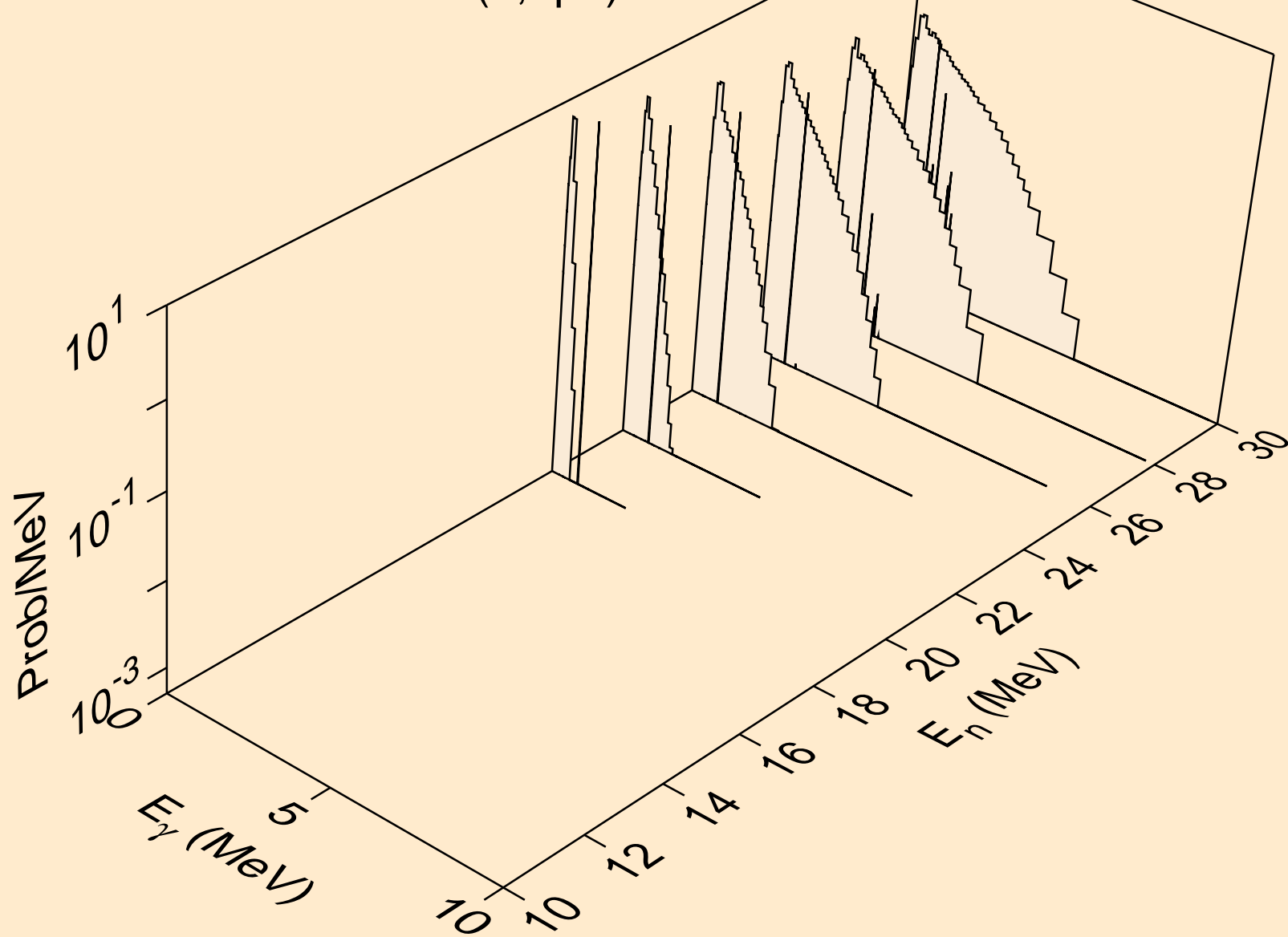
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



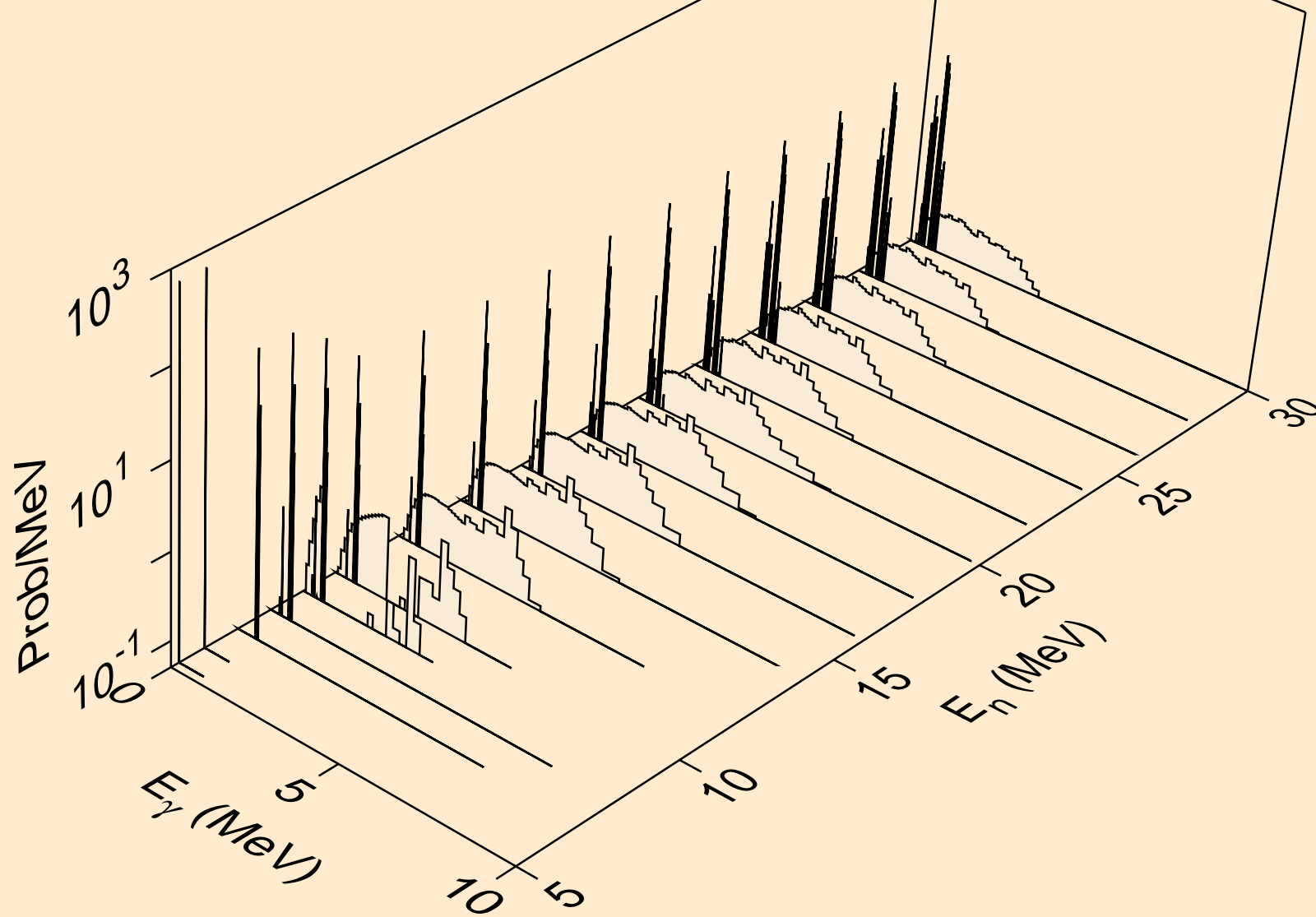
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



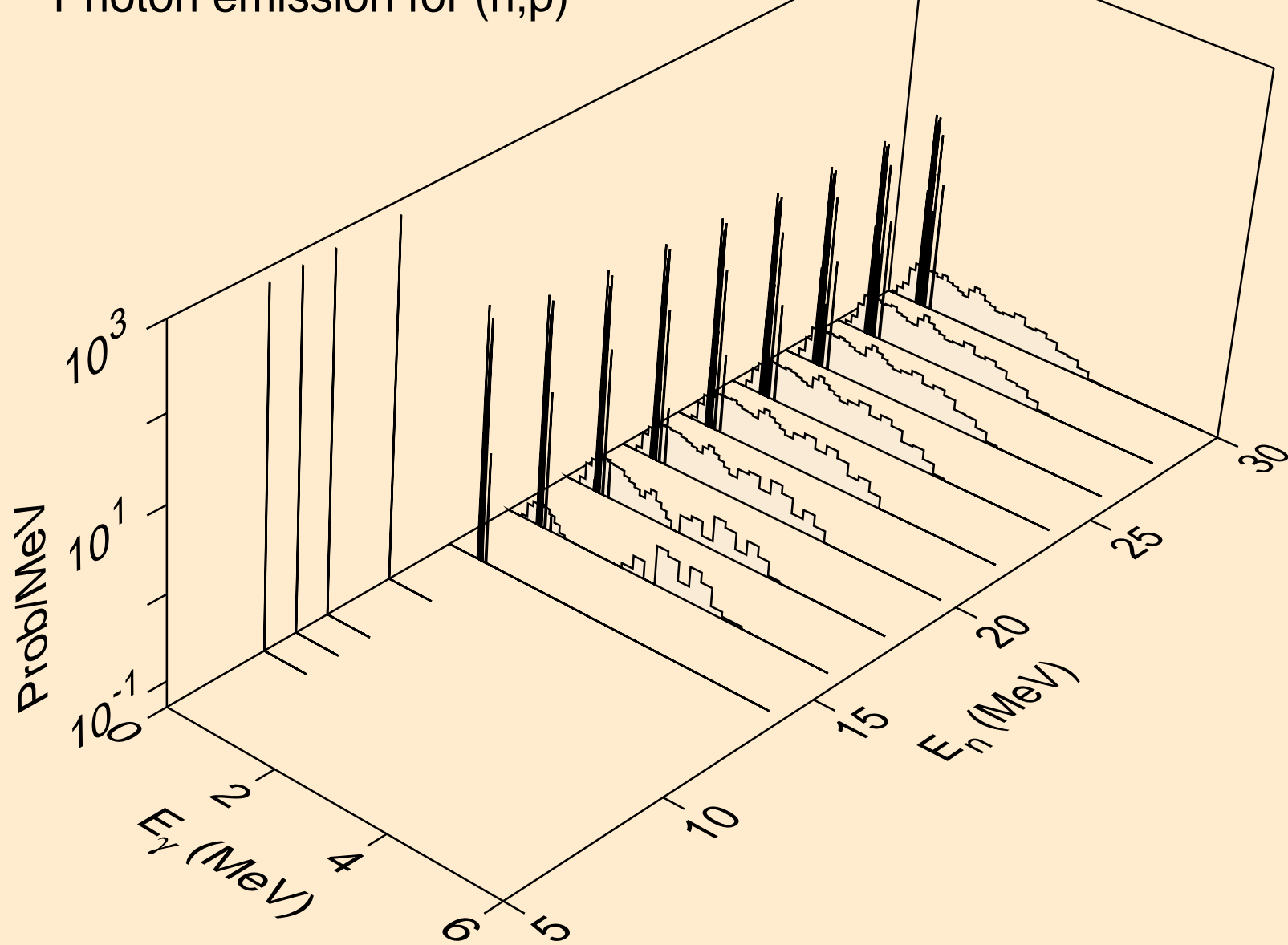
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Photon emission for (n,npa)



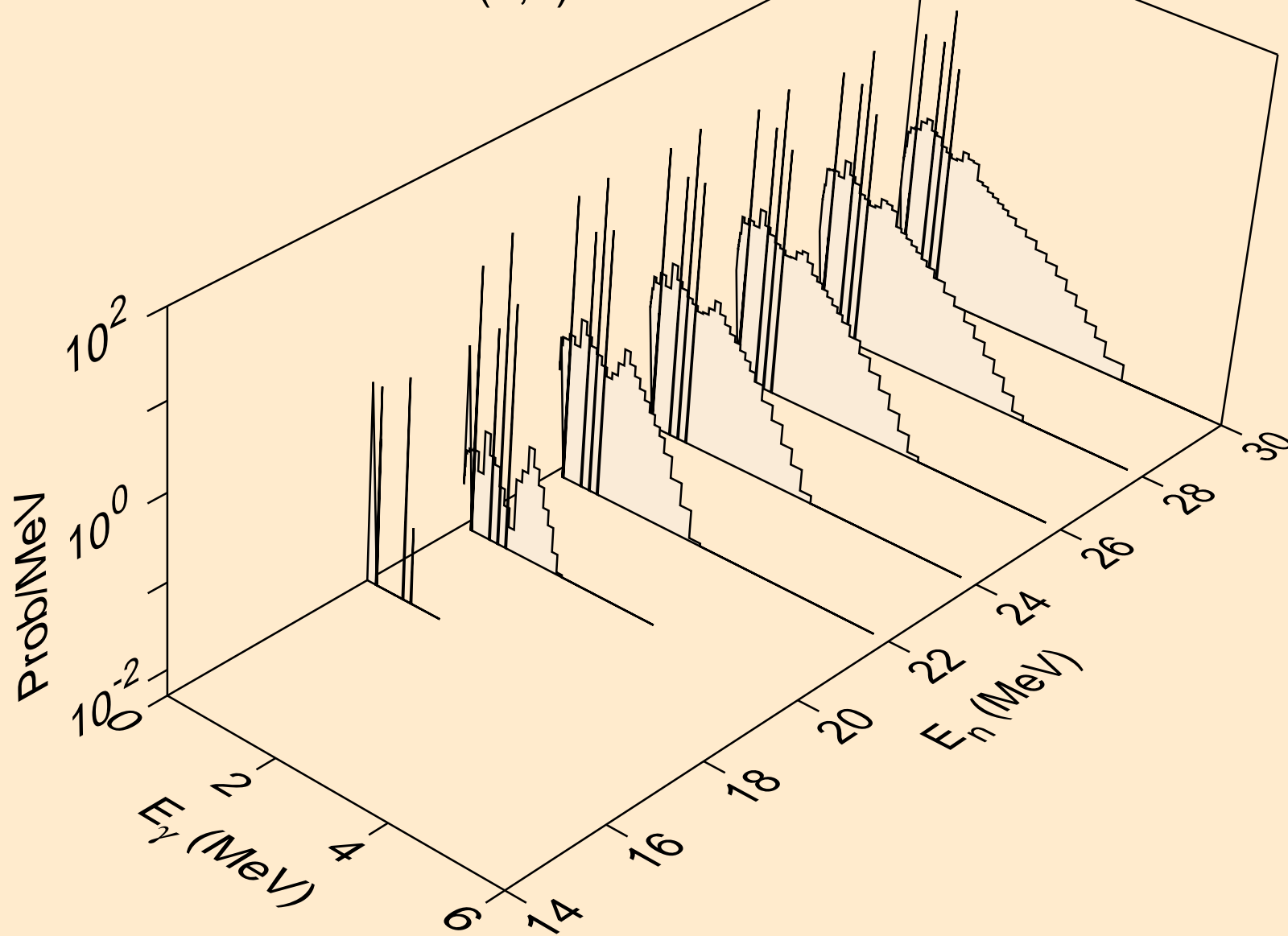
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Photon emission for (n,gma)



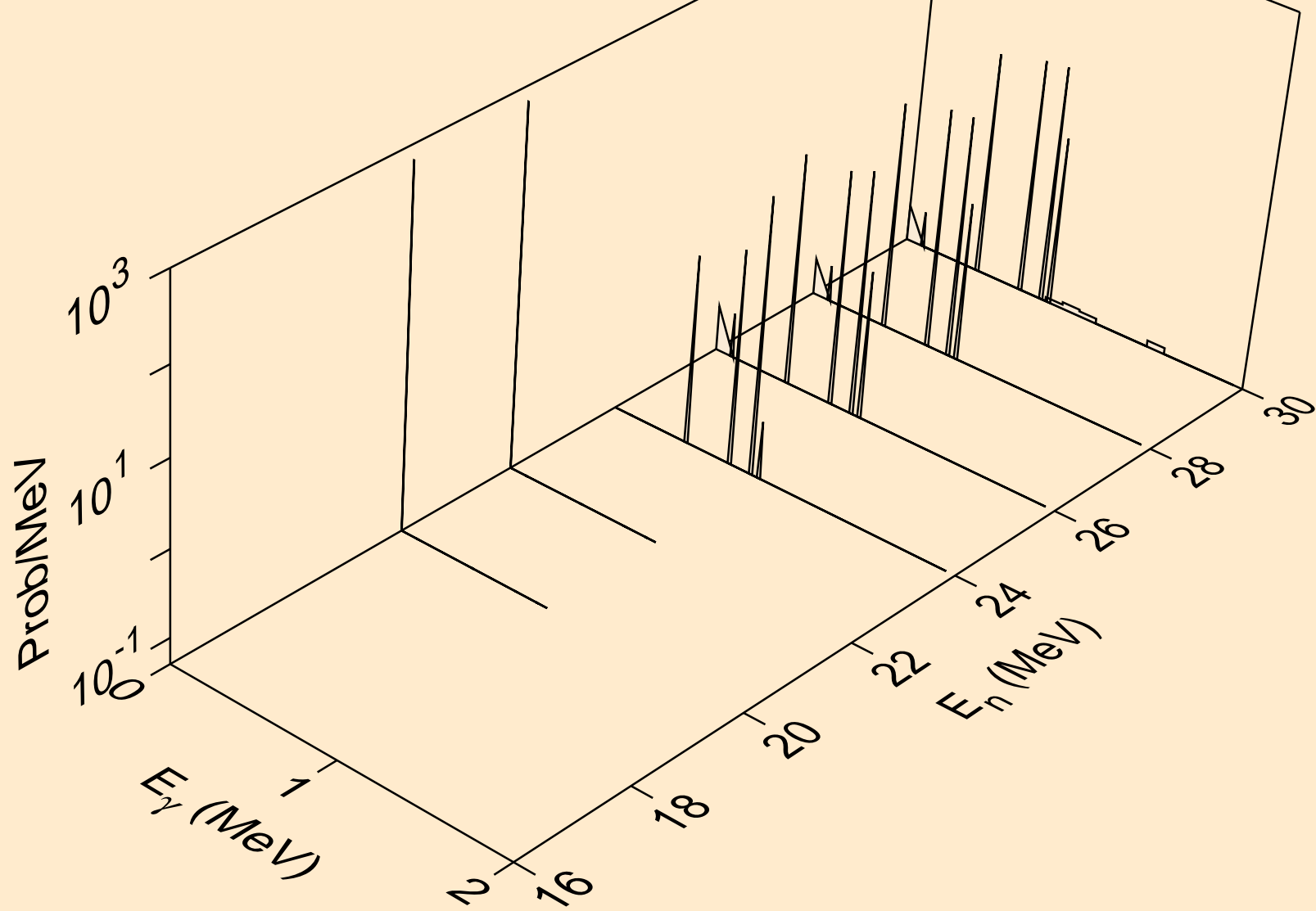
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Photon emission for (n,p)



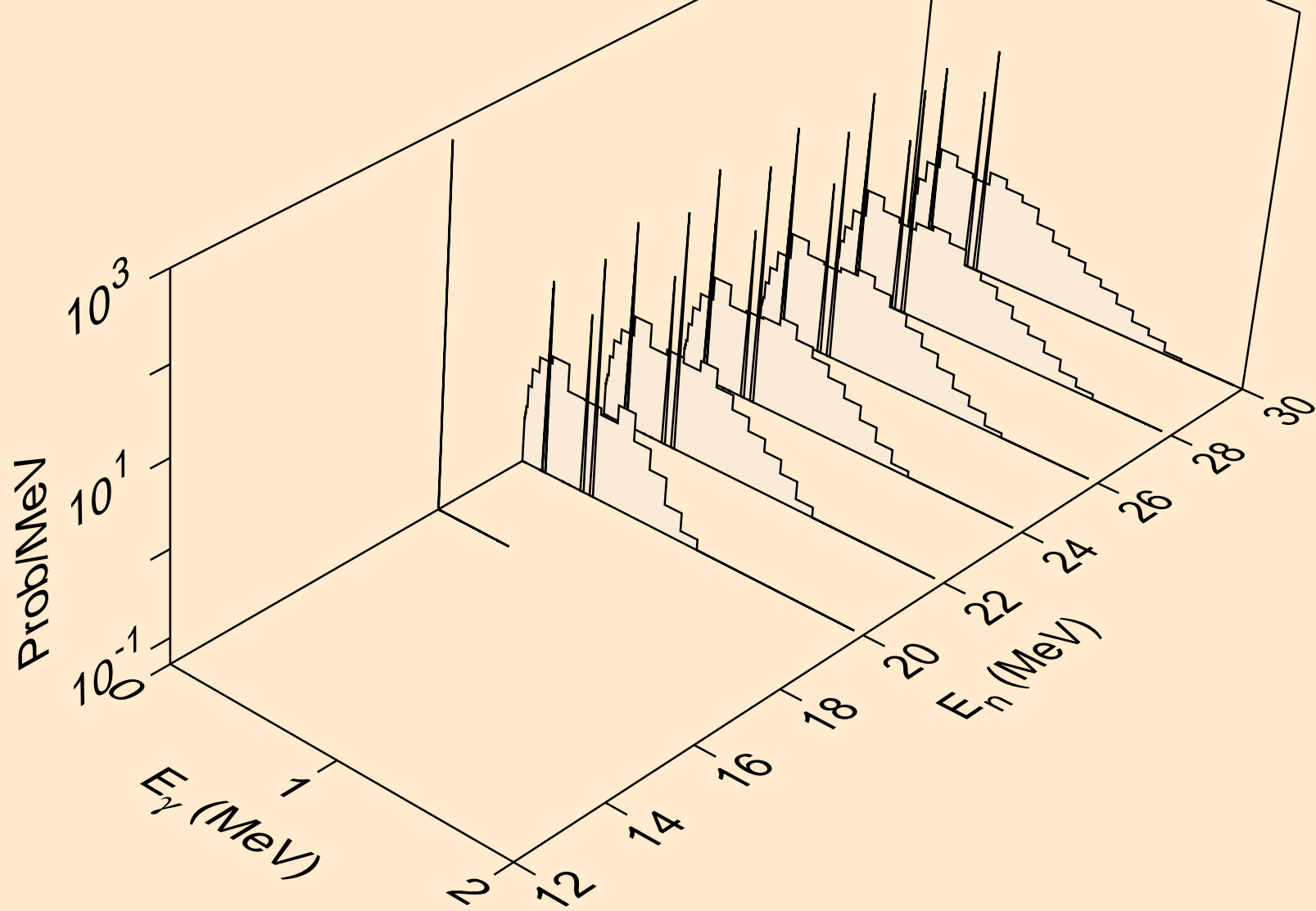
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Photon emission for (n,d)



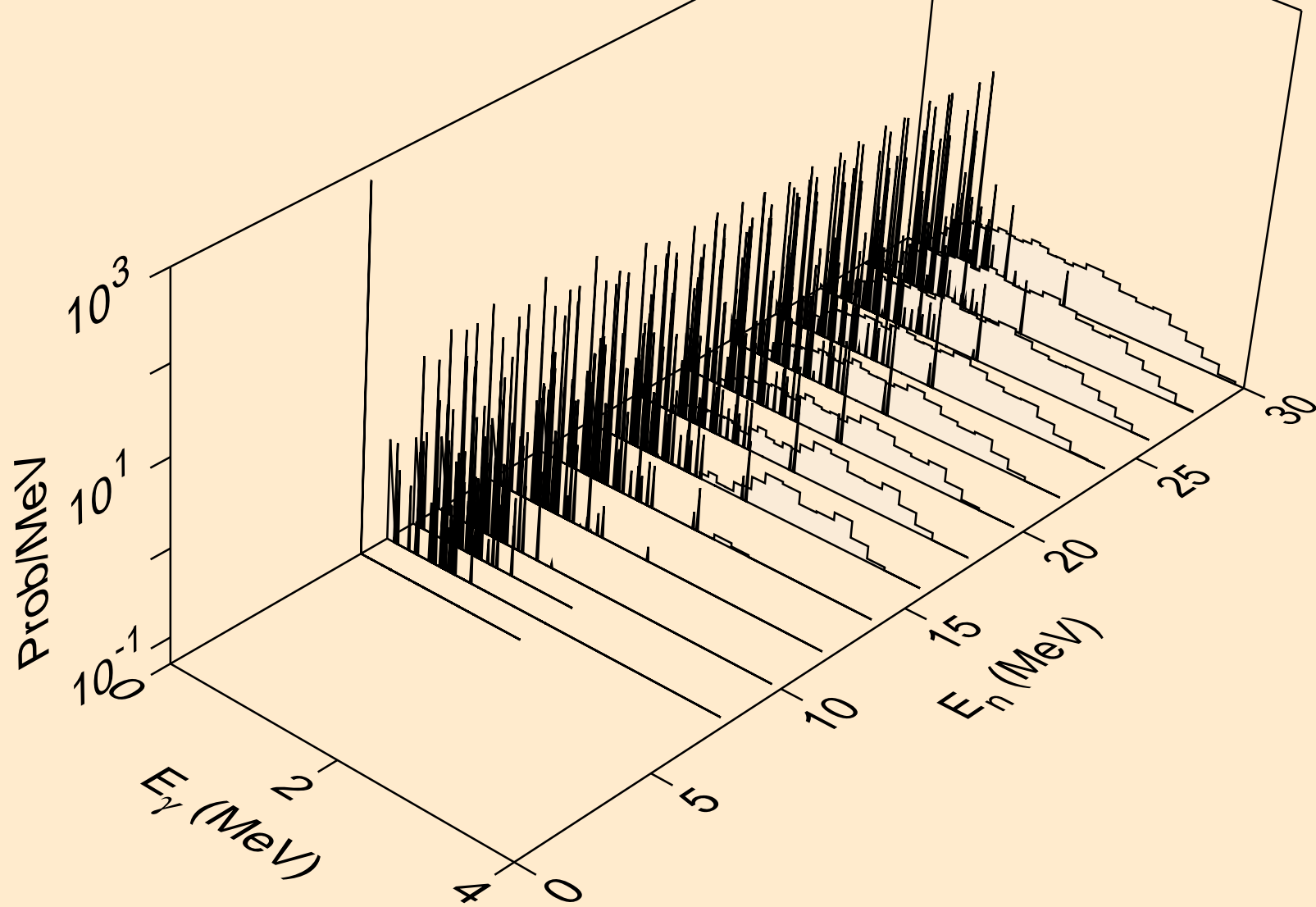
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



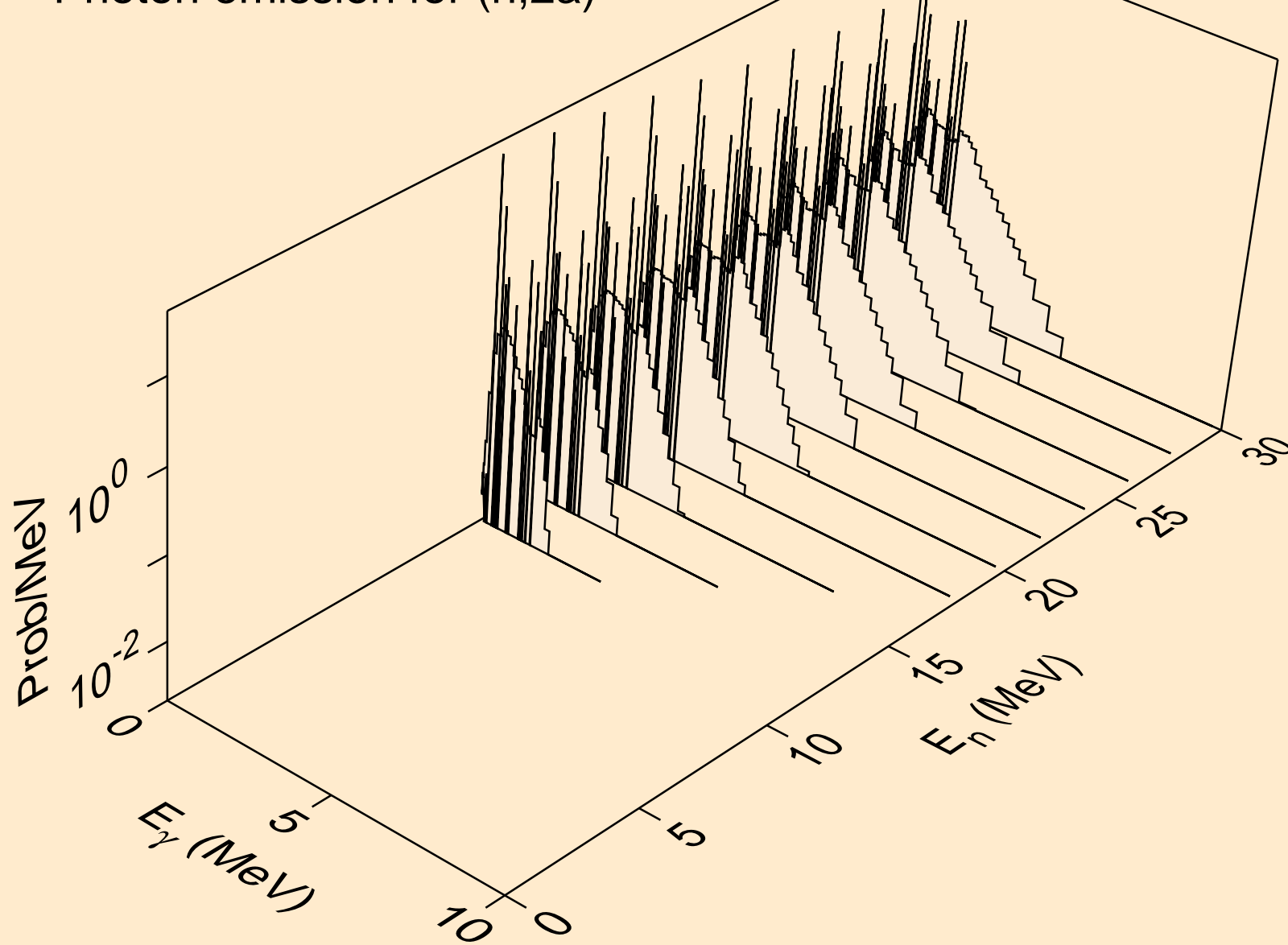
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Photon emission for (n,he3)



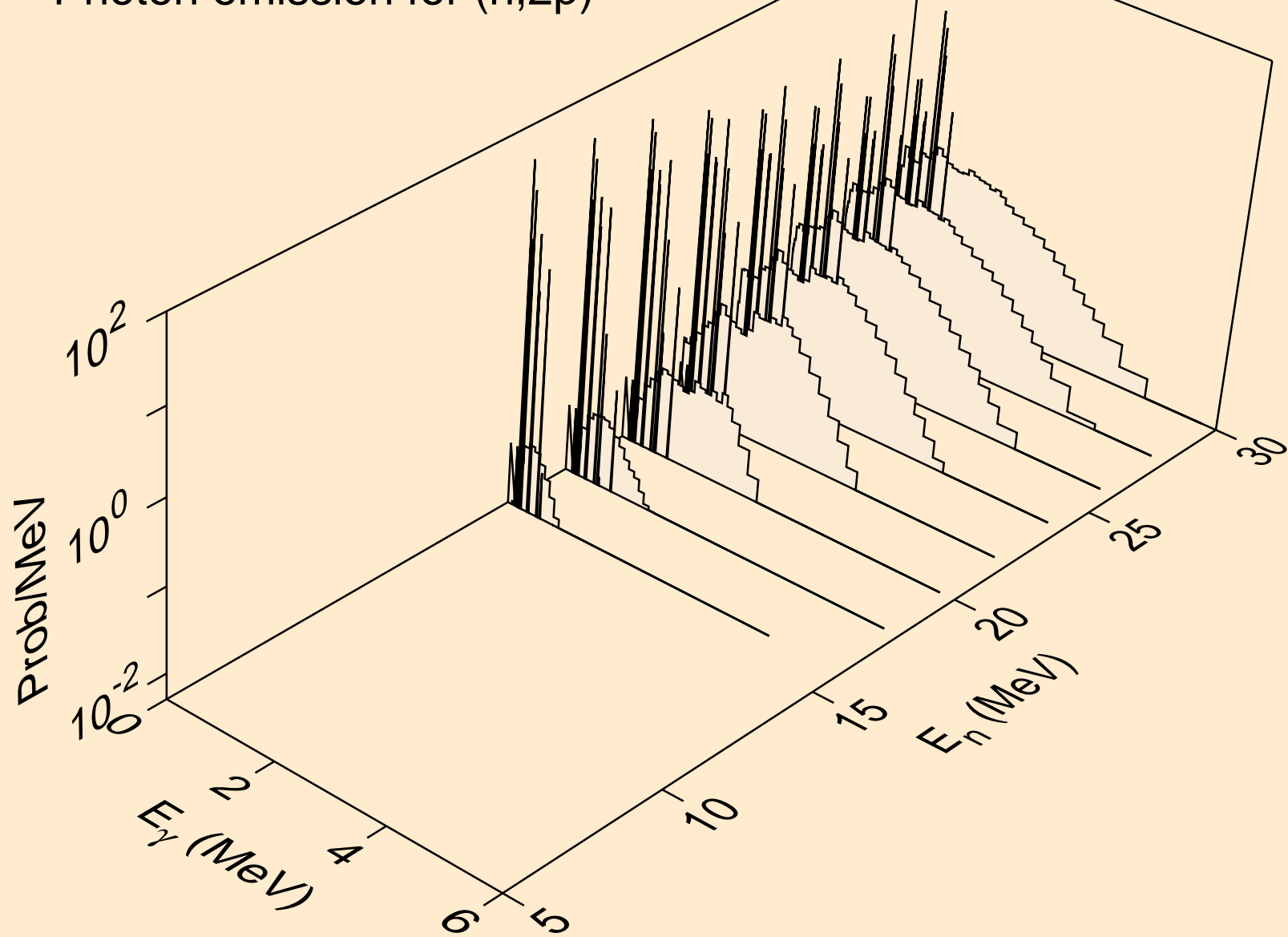
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



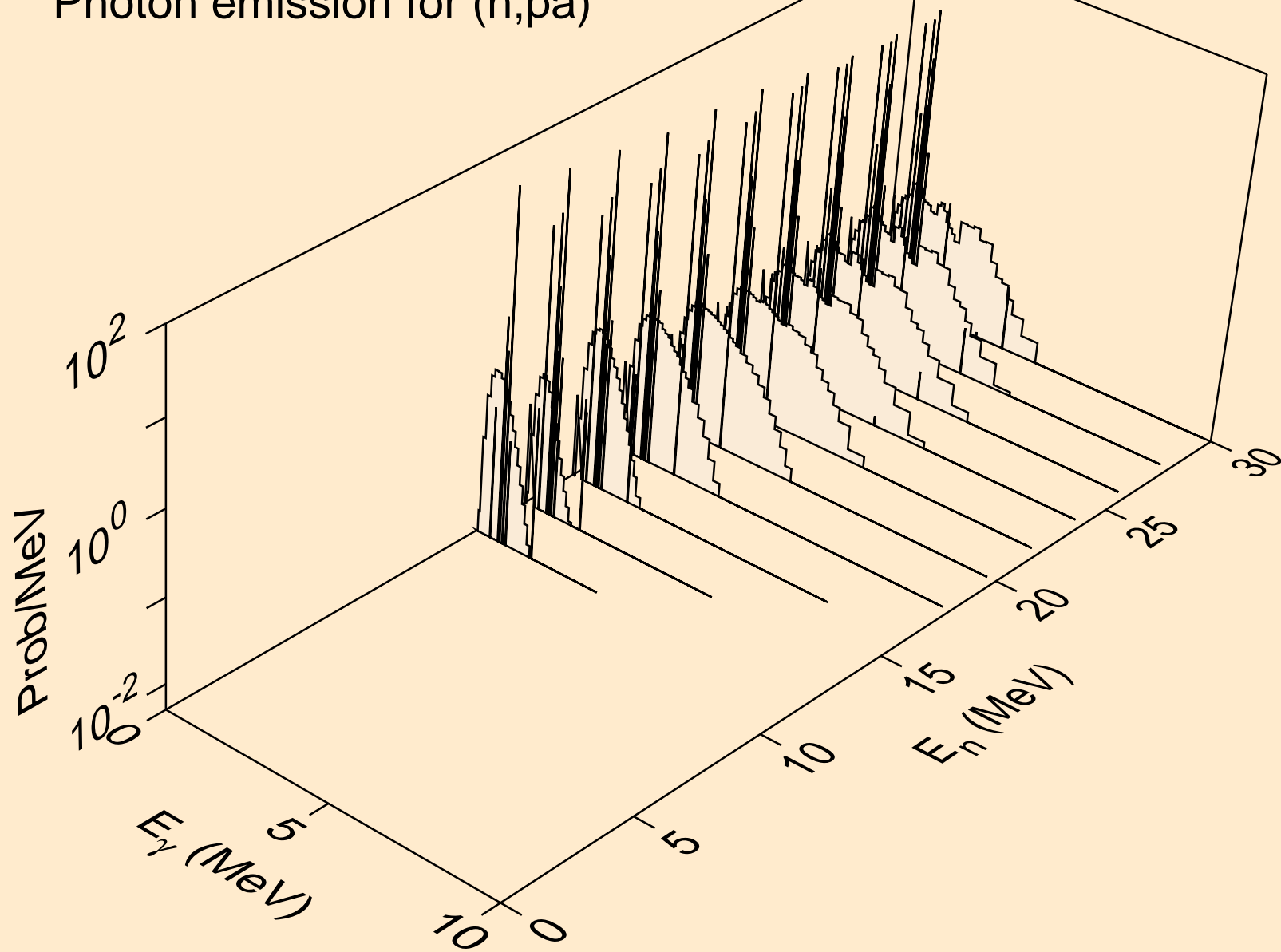
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



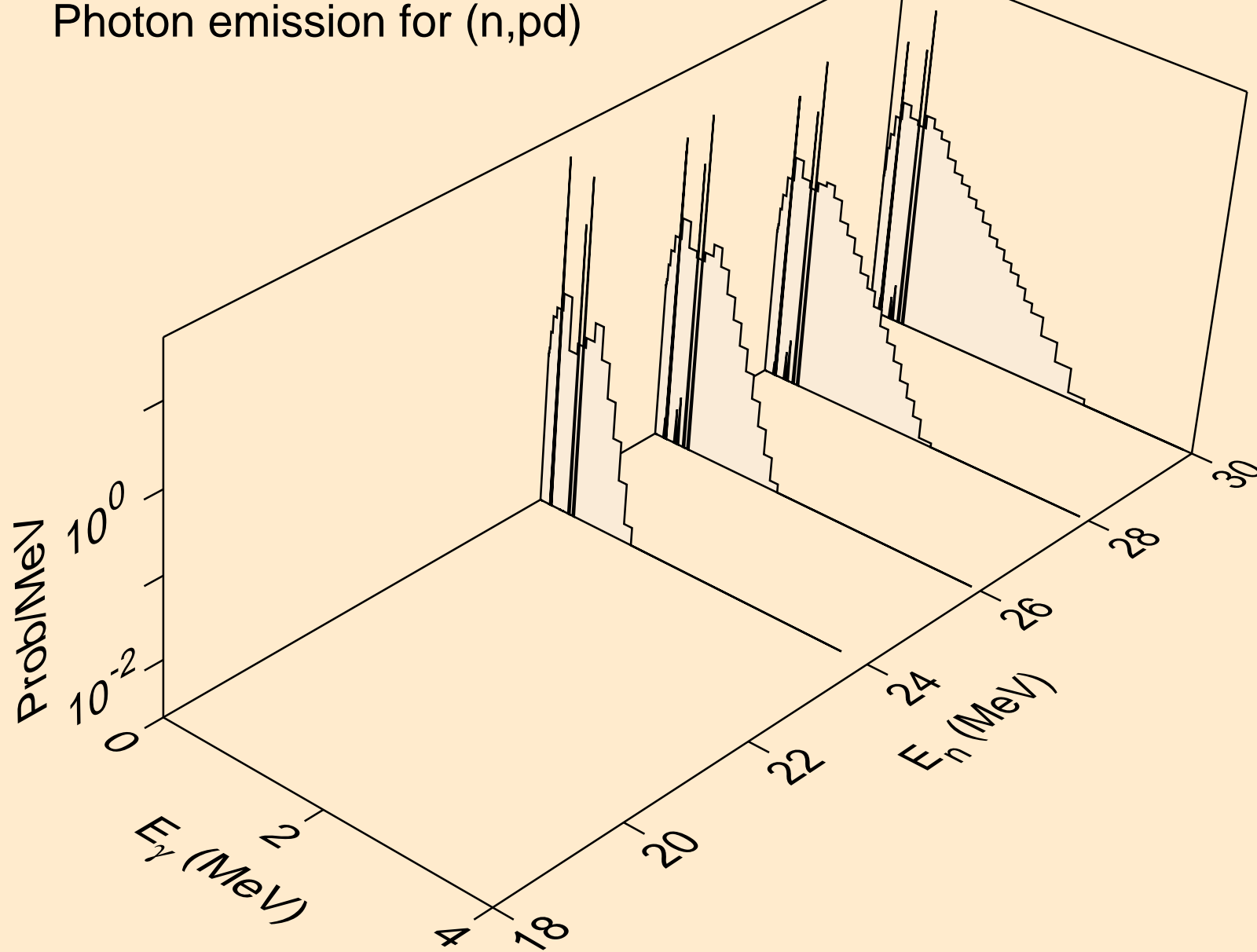
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Photon emission for (n,2p)



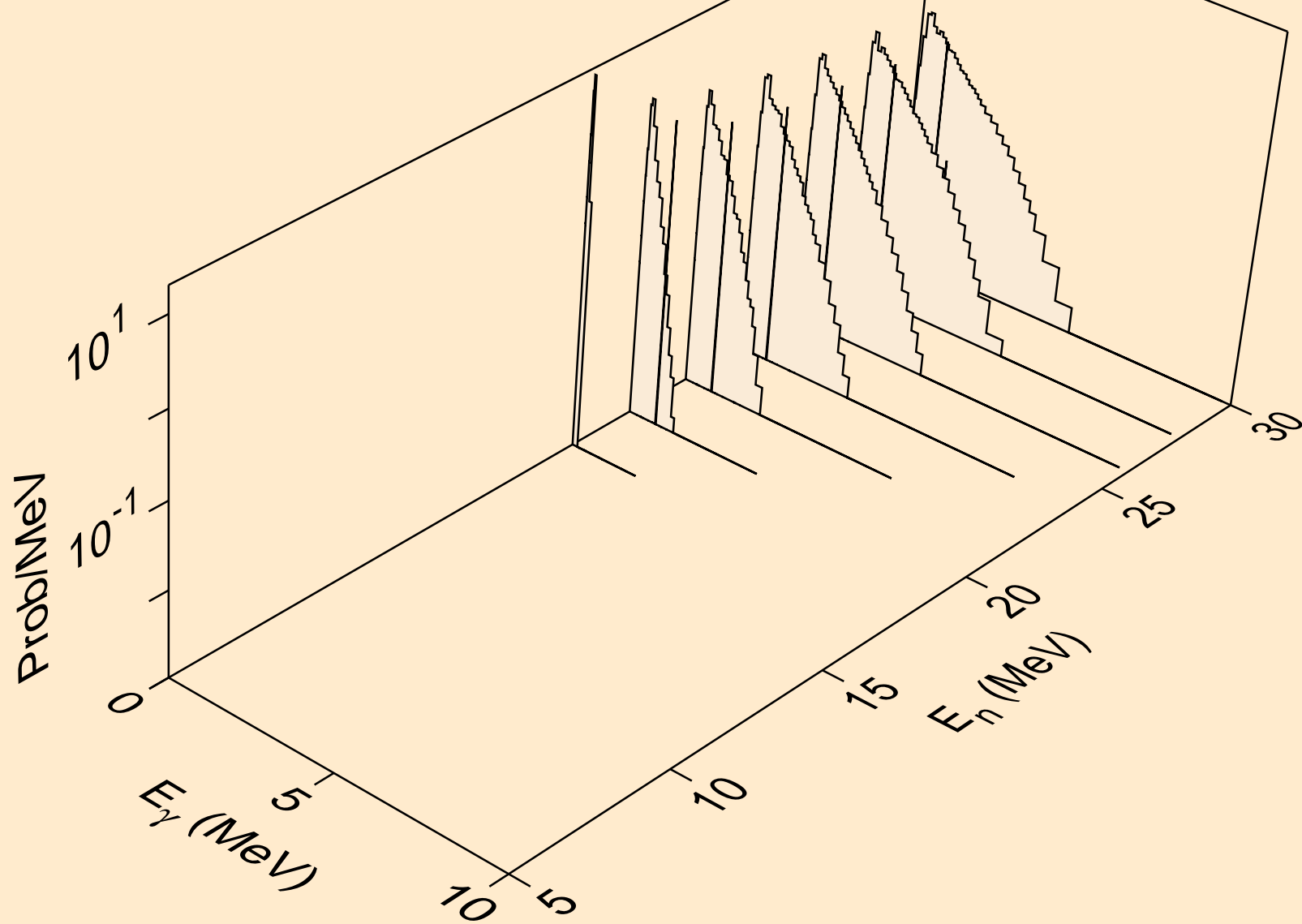
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

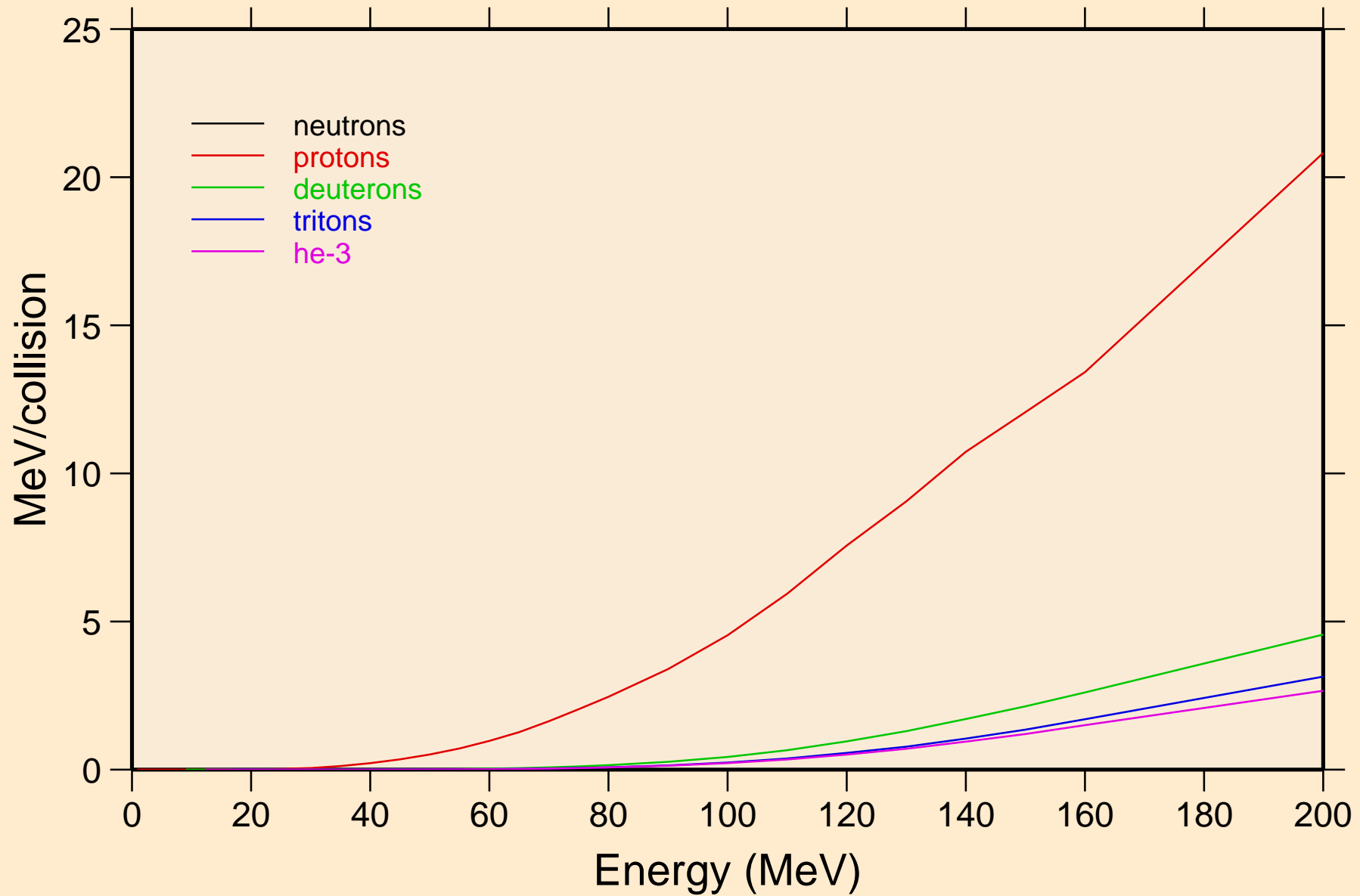


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Photon emission for (n,da)

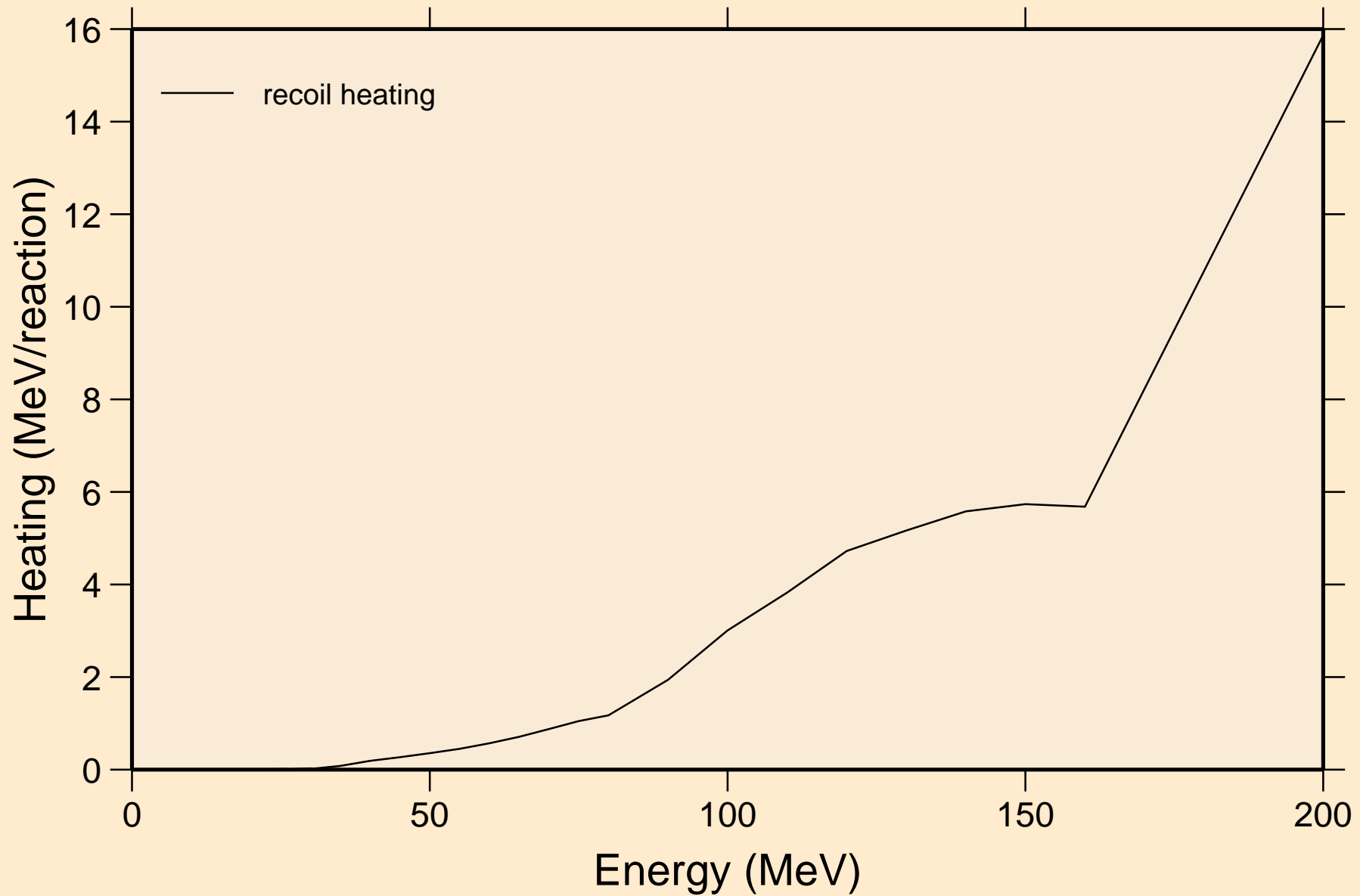


# TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

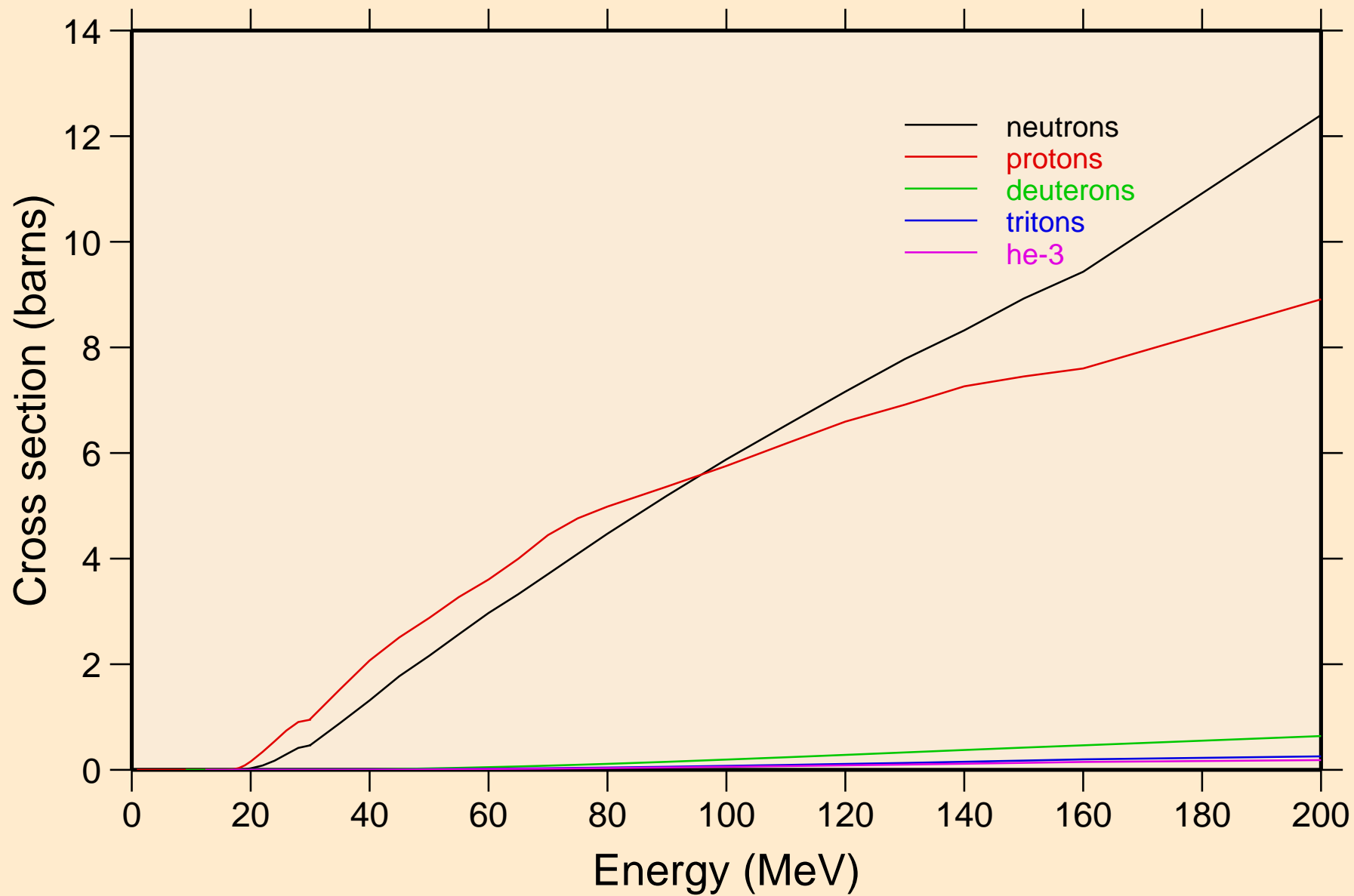
## Particle heating contributions



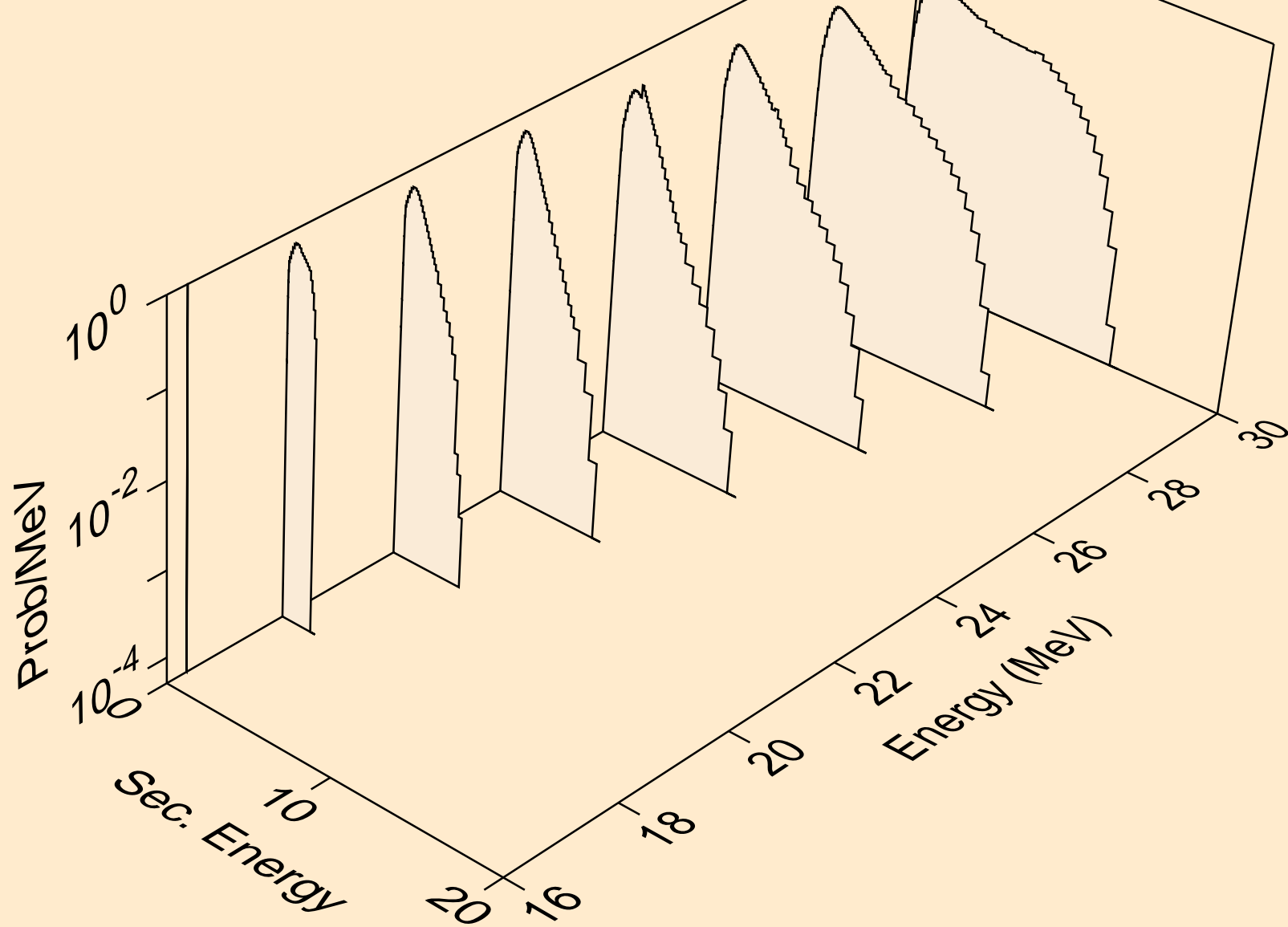
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



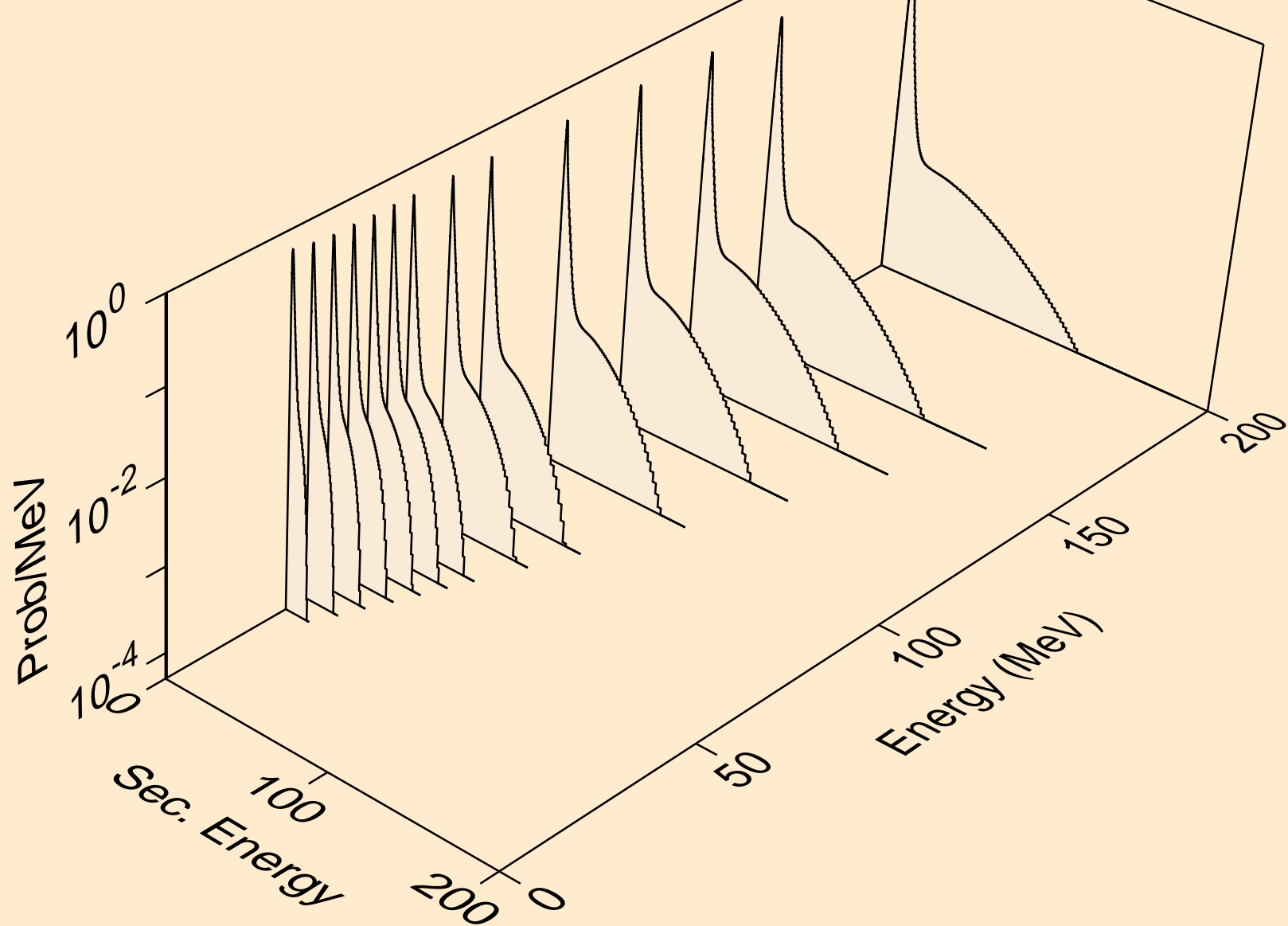
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



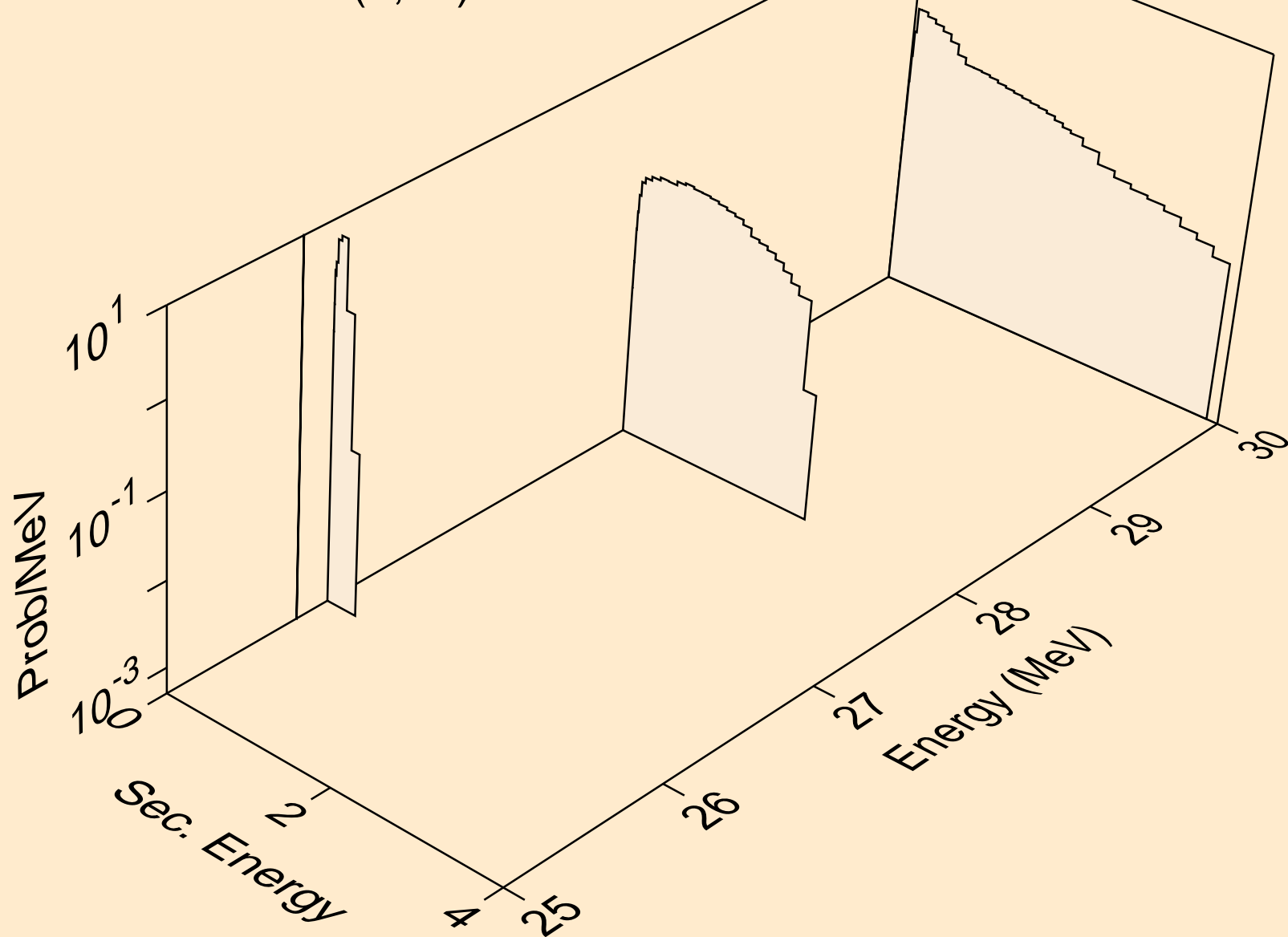
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



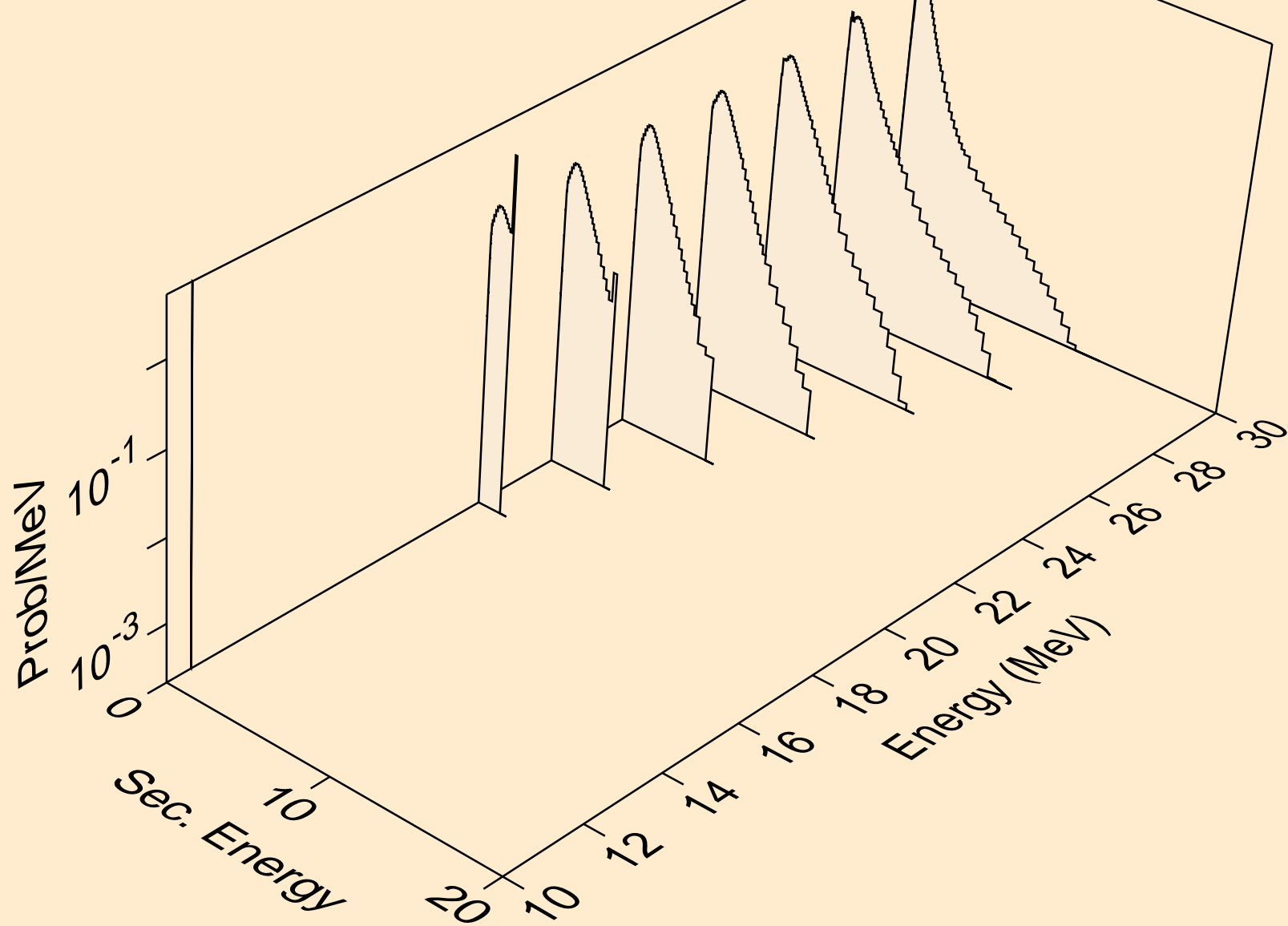
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



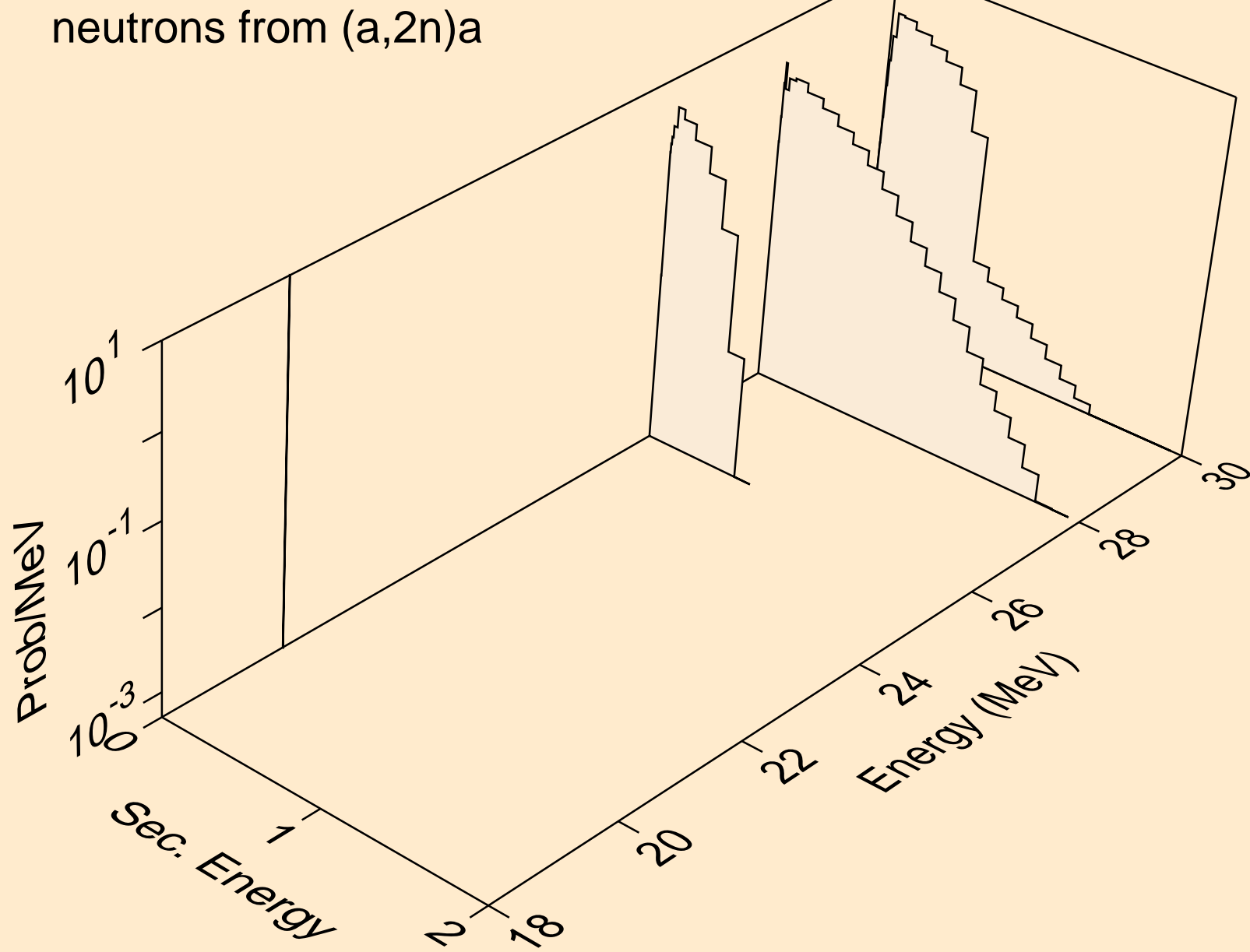
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neutrons from (a,2n)



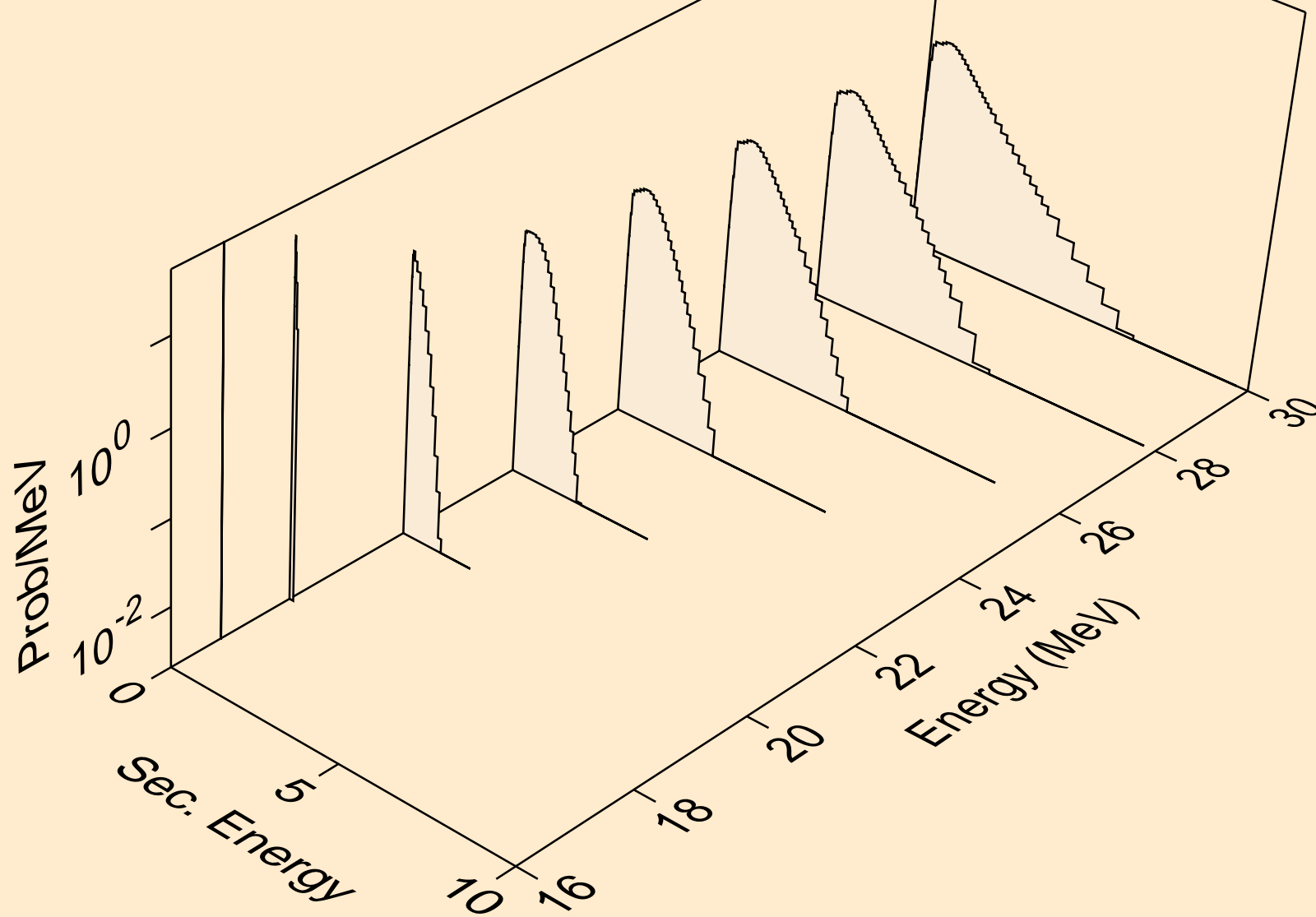
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



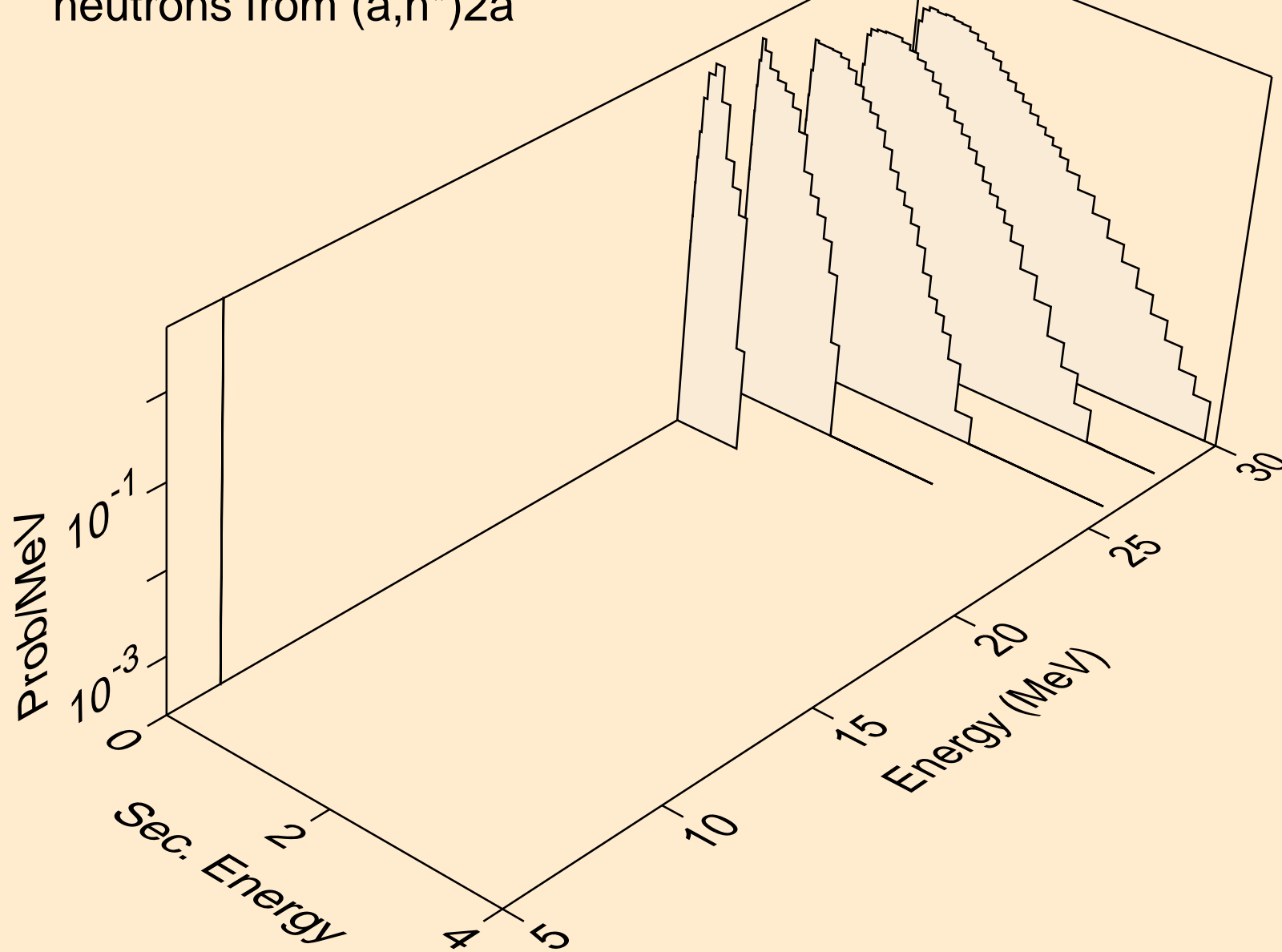
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neutrons from (a,2n)a



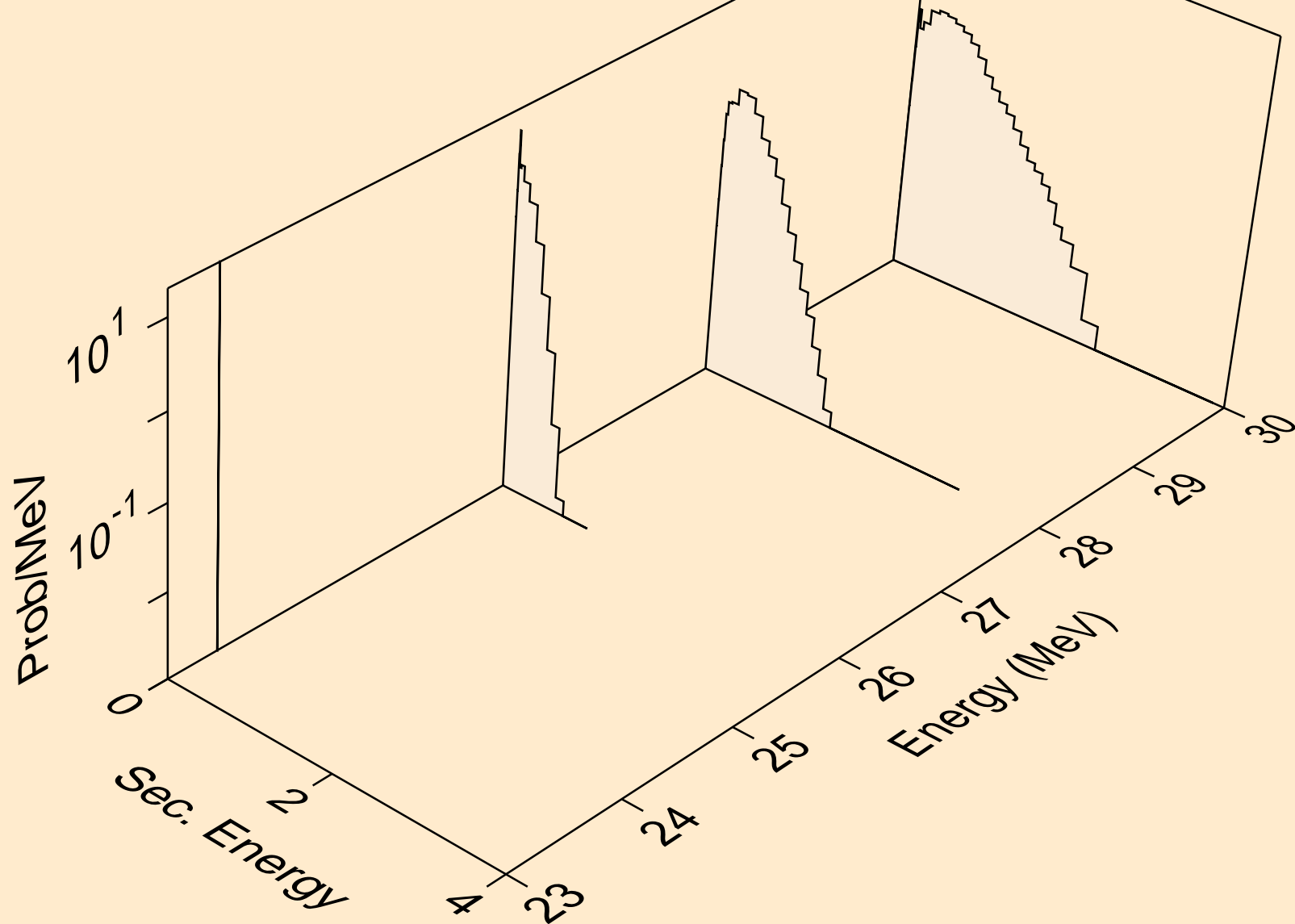
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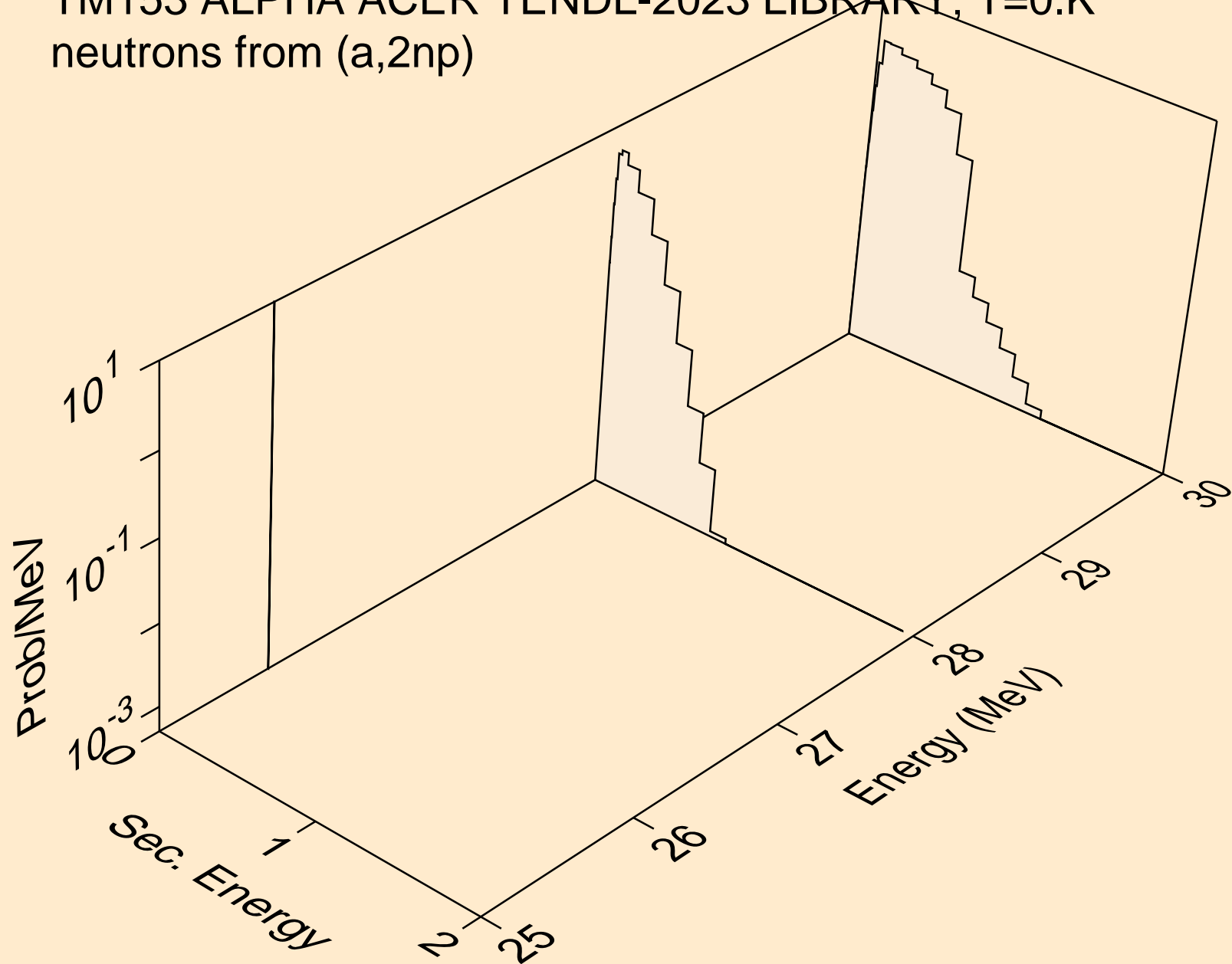
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neutrons from (a,n\*)2a



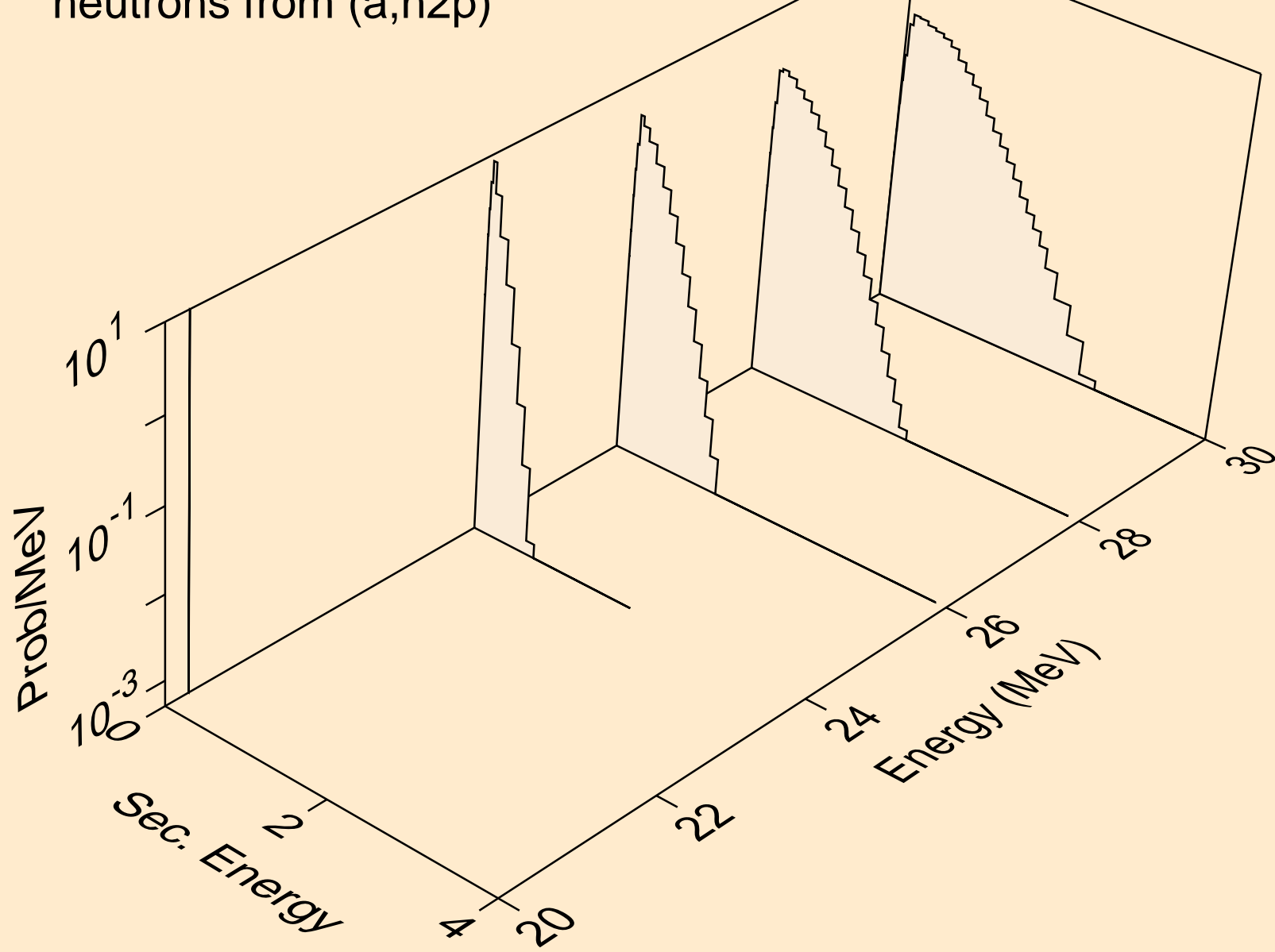
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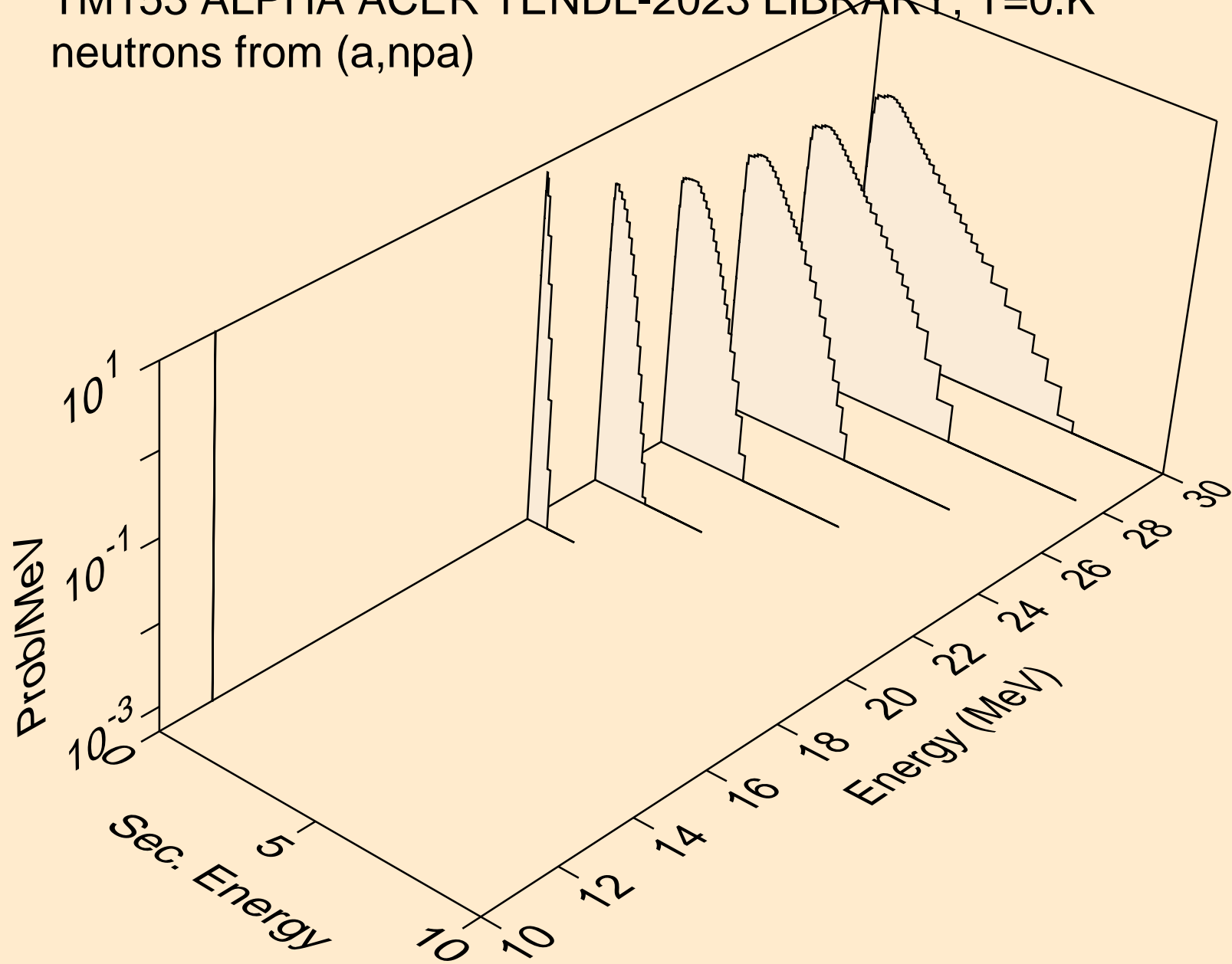
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neutrons from (a,2np)



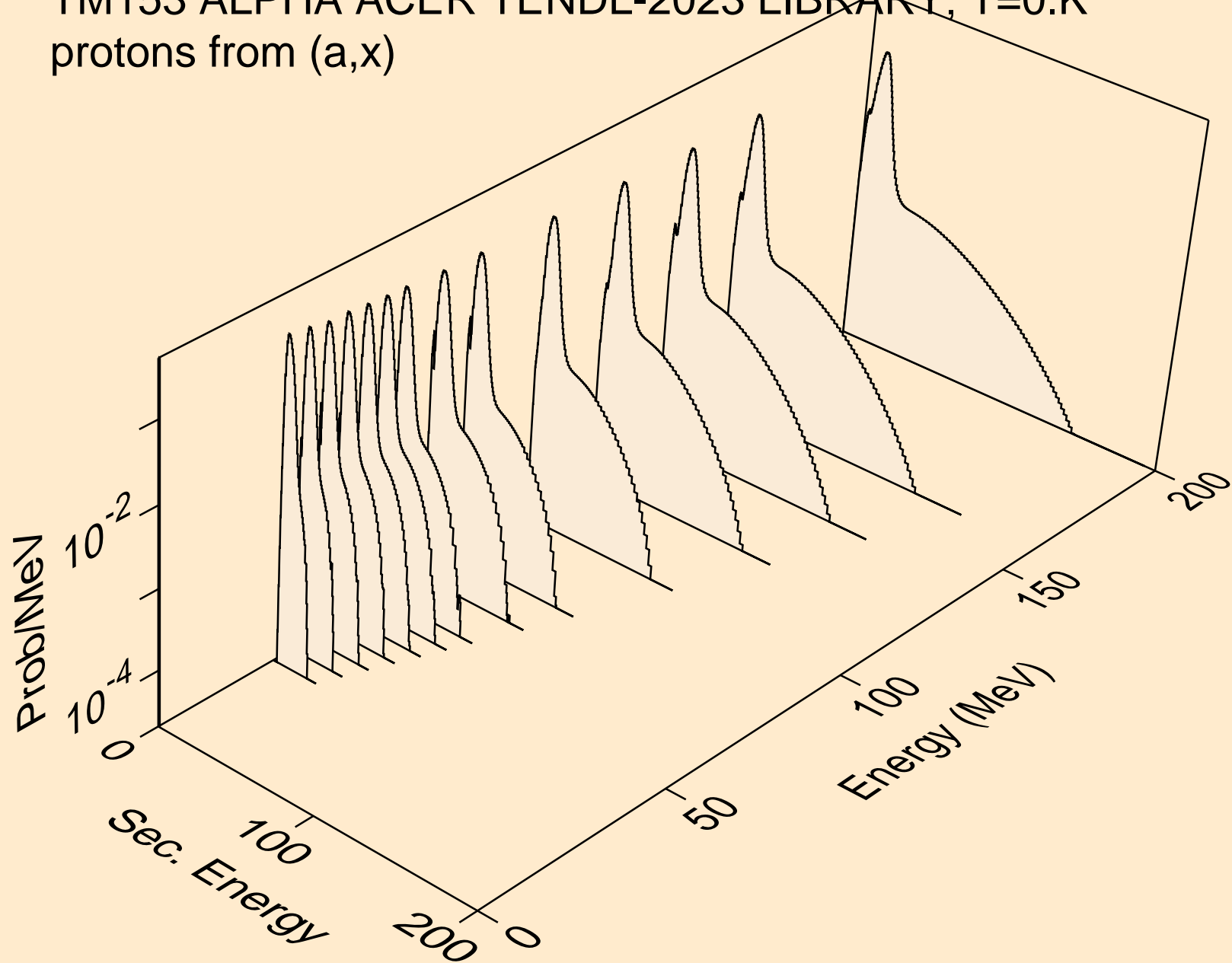
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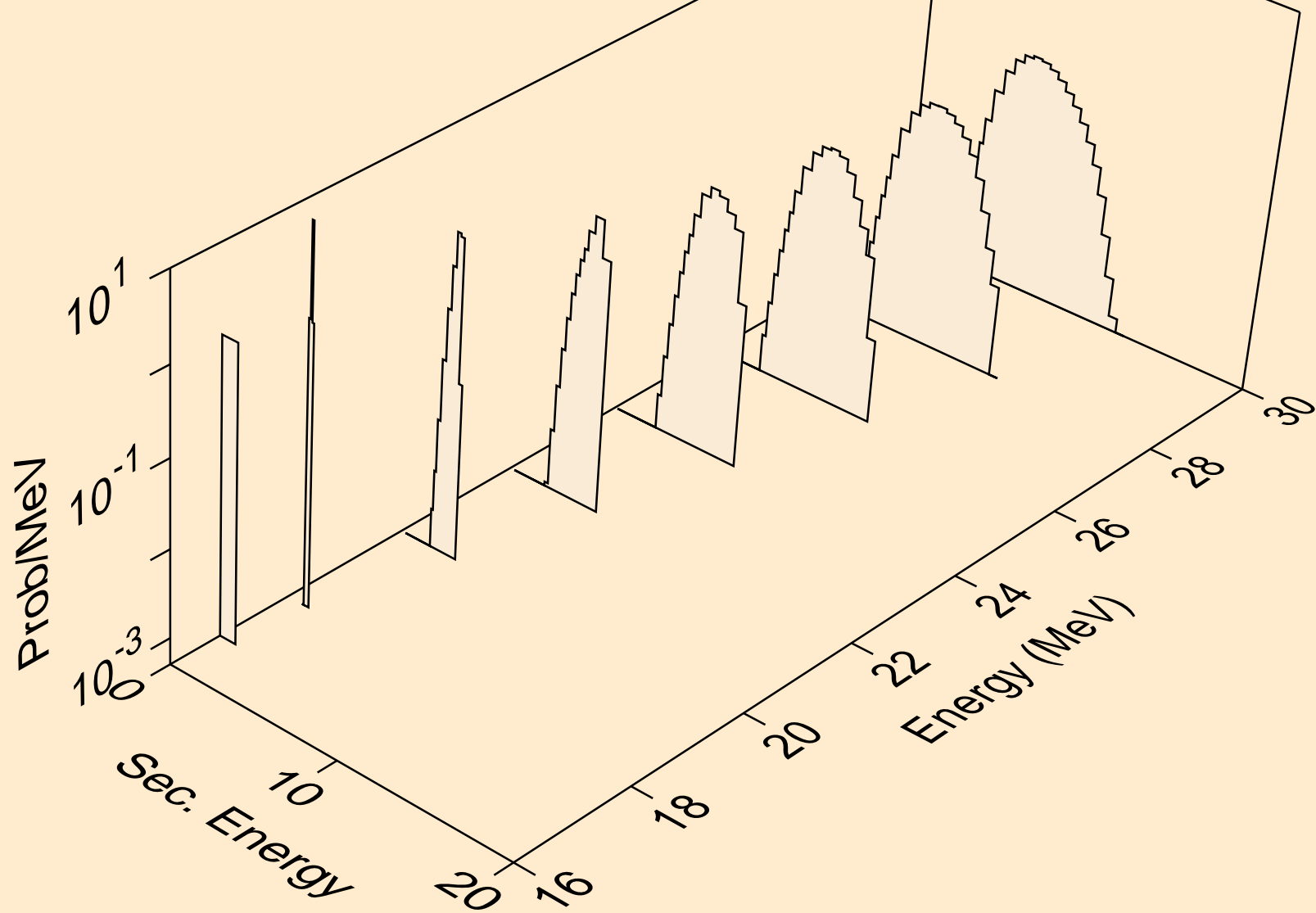
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neutrons from (a,npa)



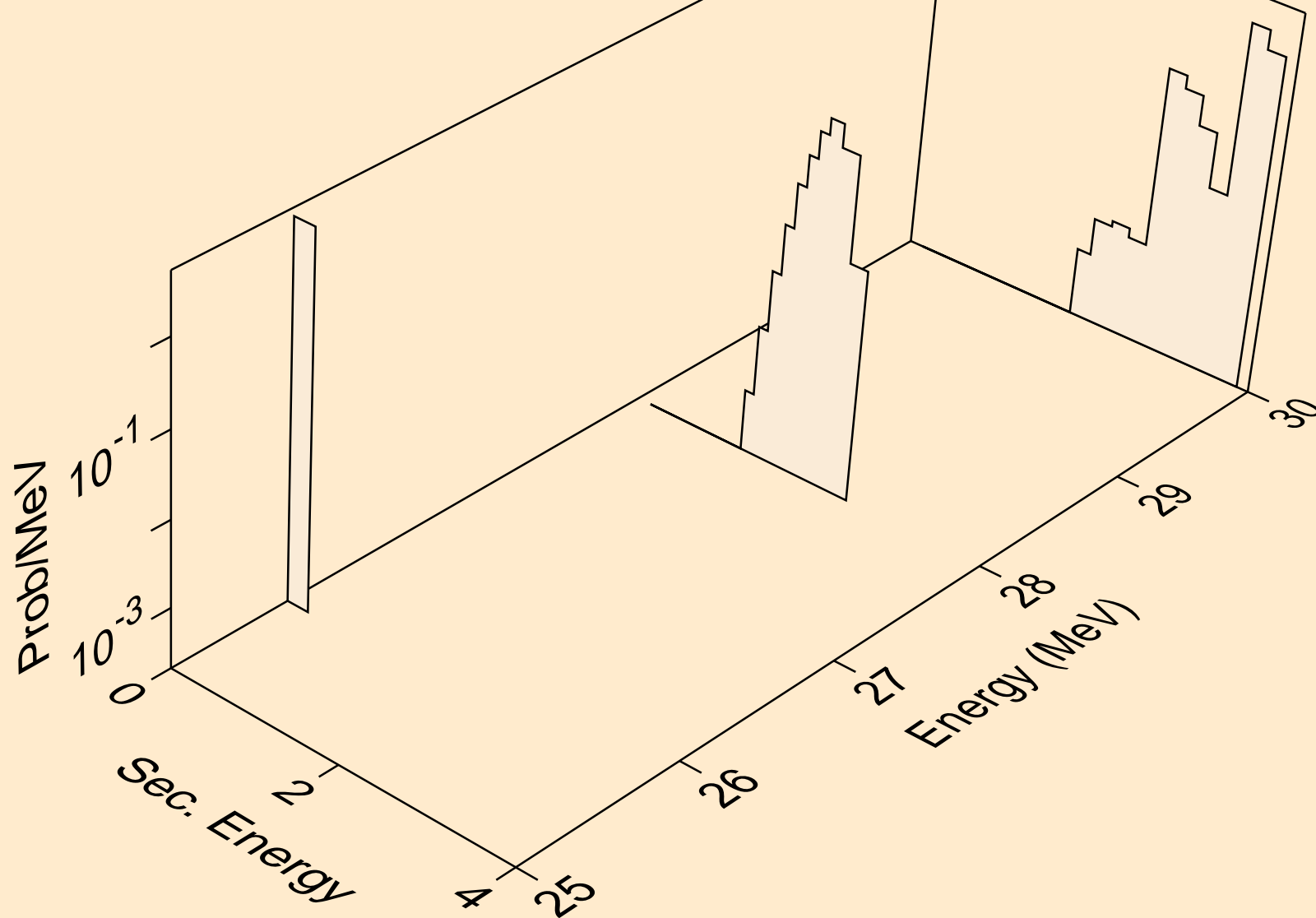
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protons from (a,x)



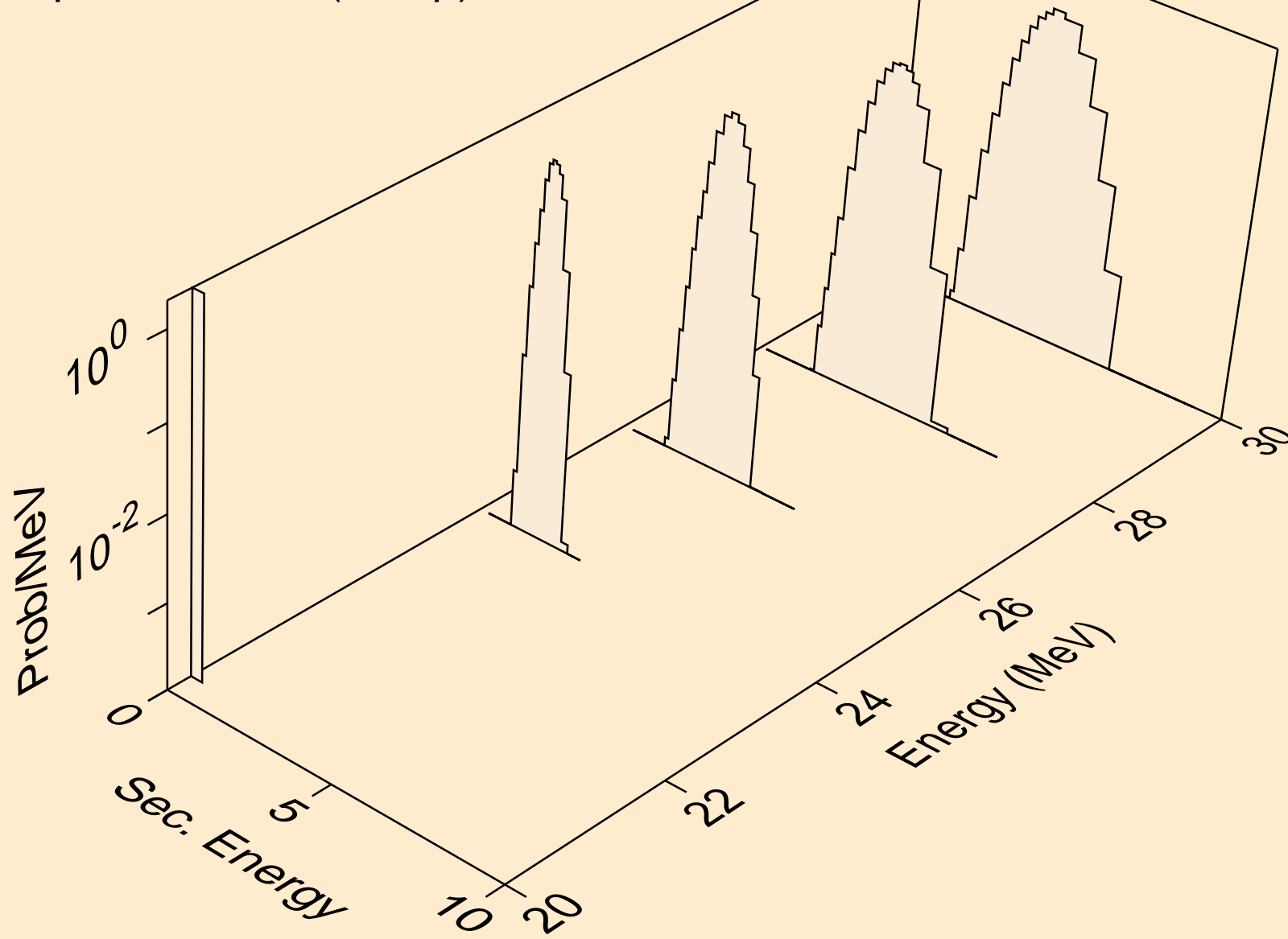
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protons from (a,n\*)p



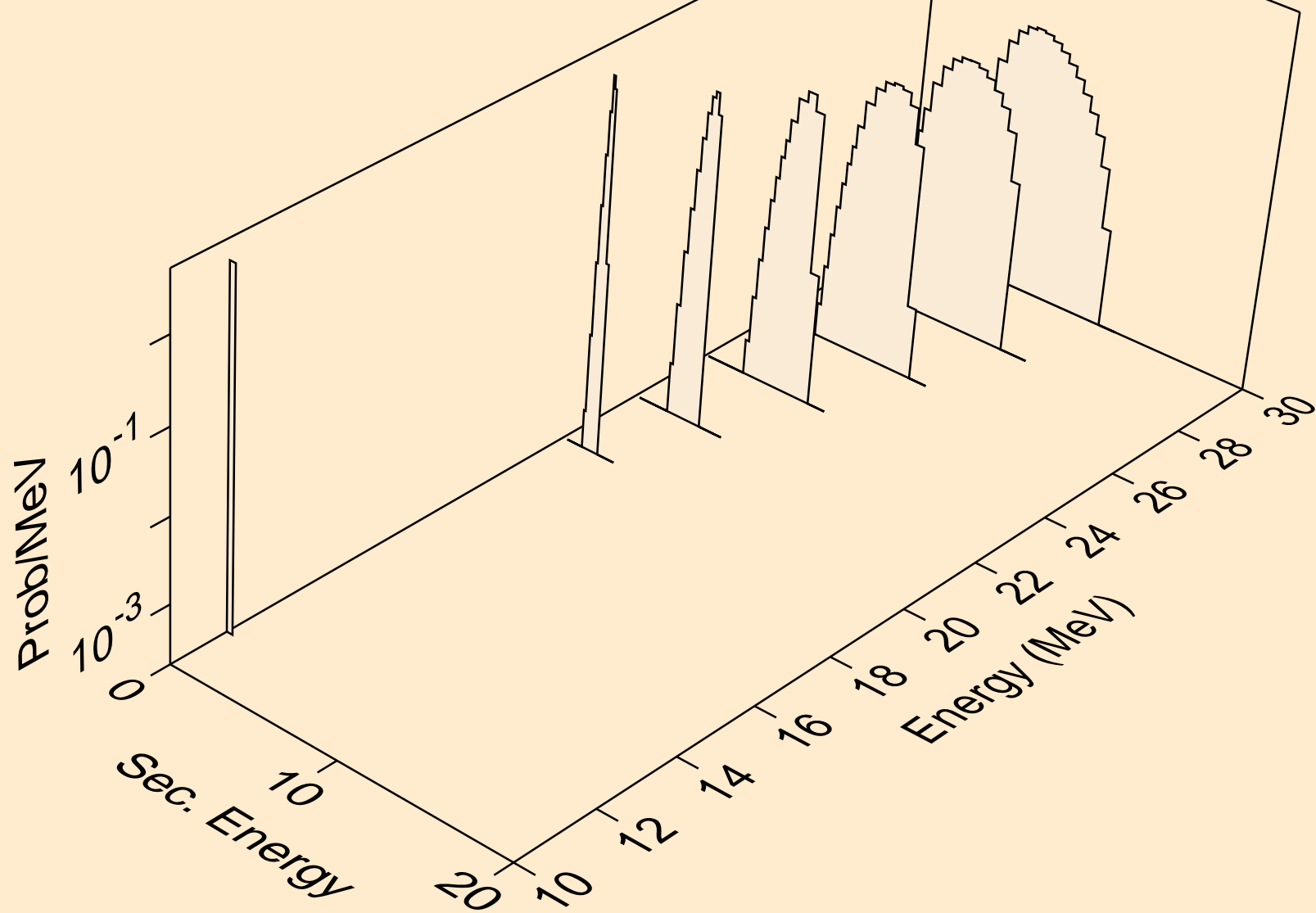
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protons from (a,2np)



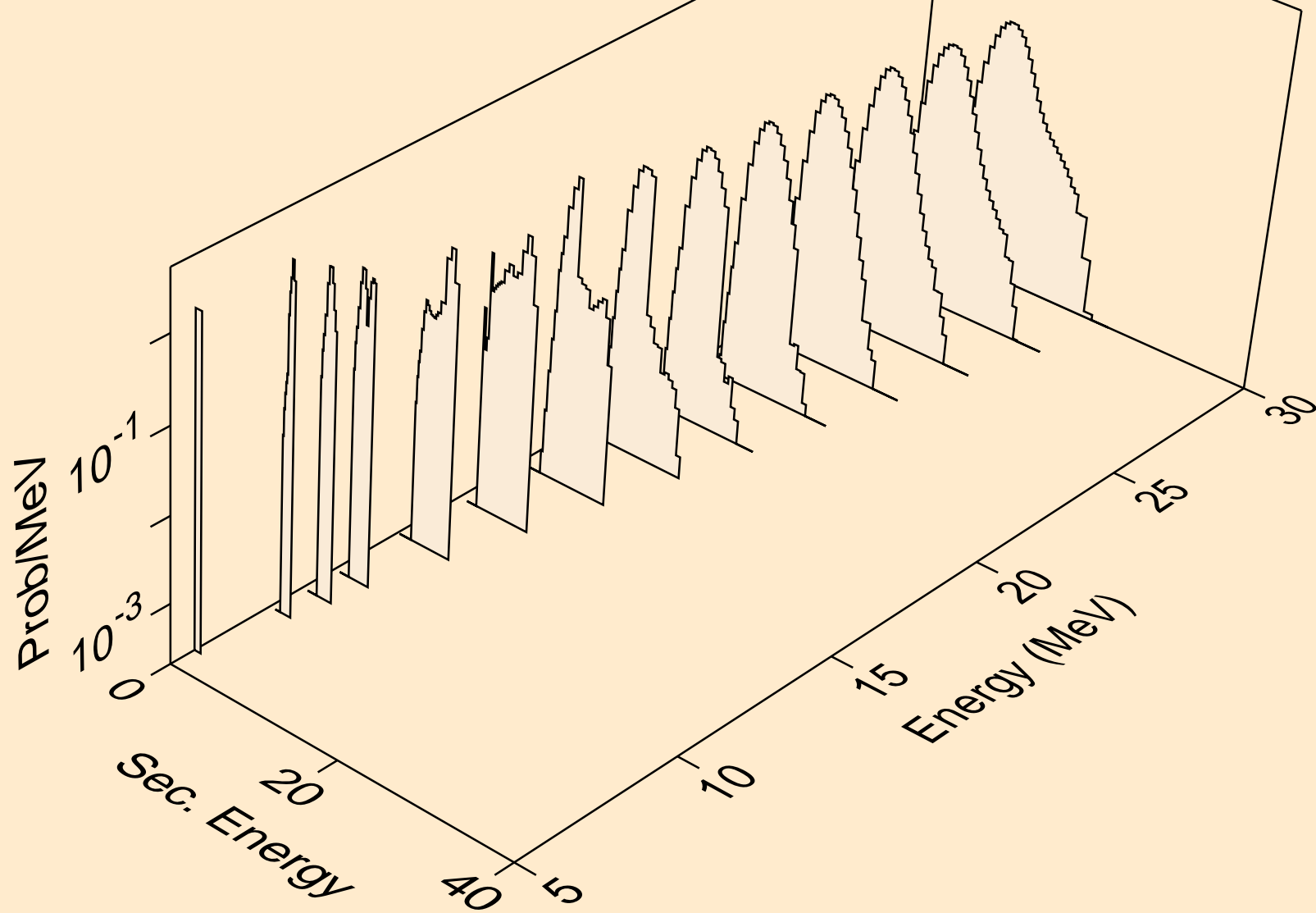
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protons from (a,n2p)



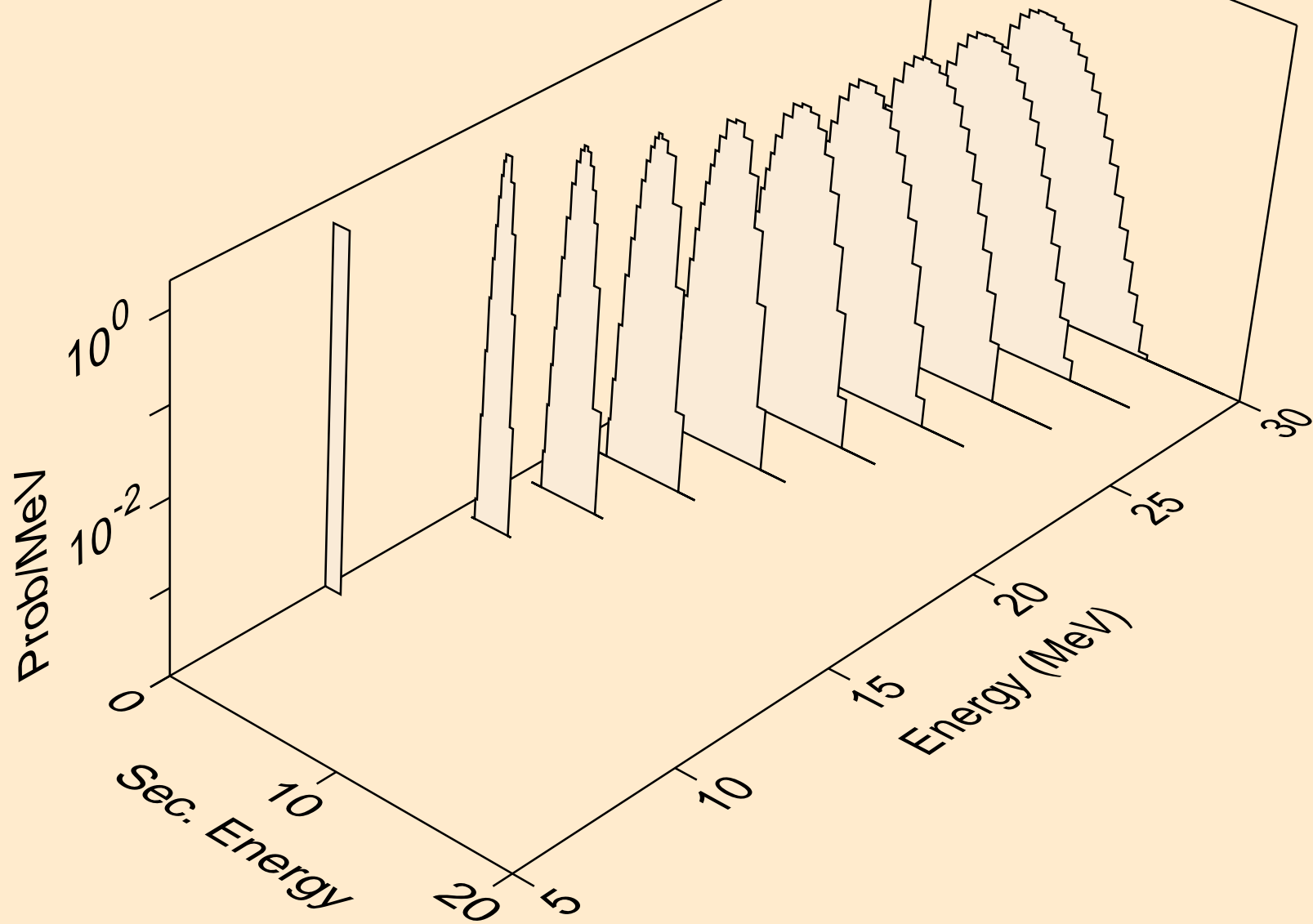
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protons from (a,npa)



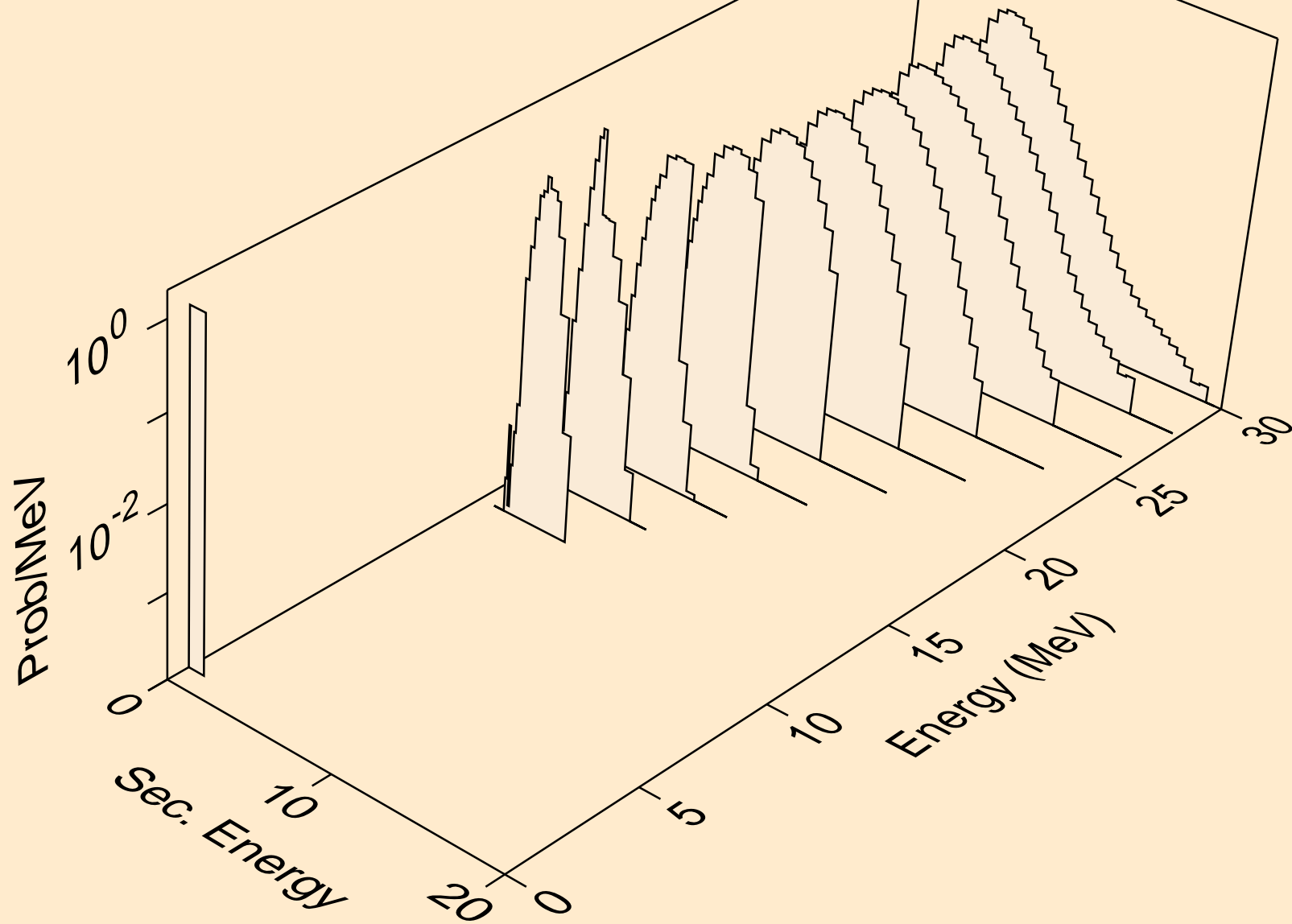
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protons from (a,p)



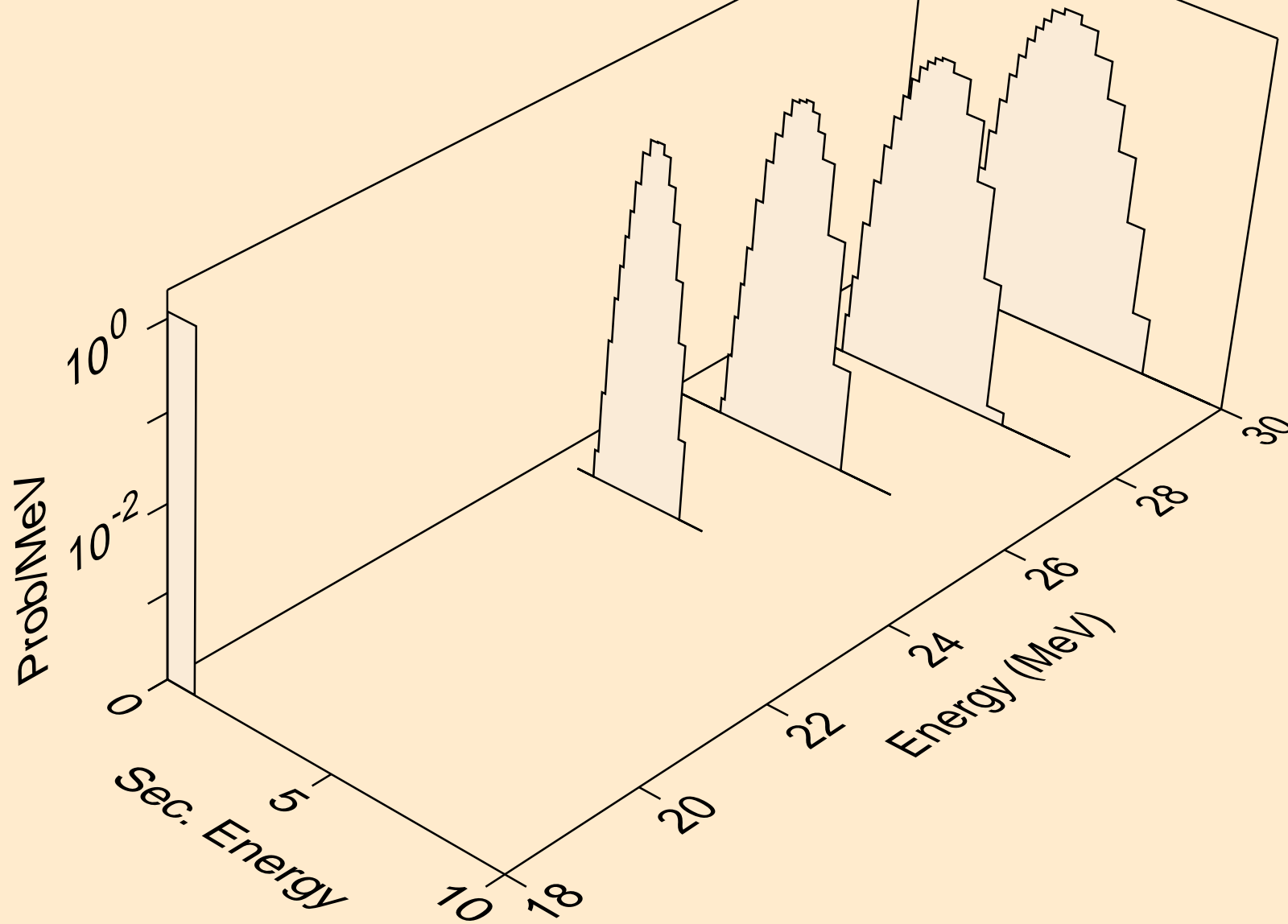
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protons from (a,2p)



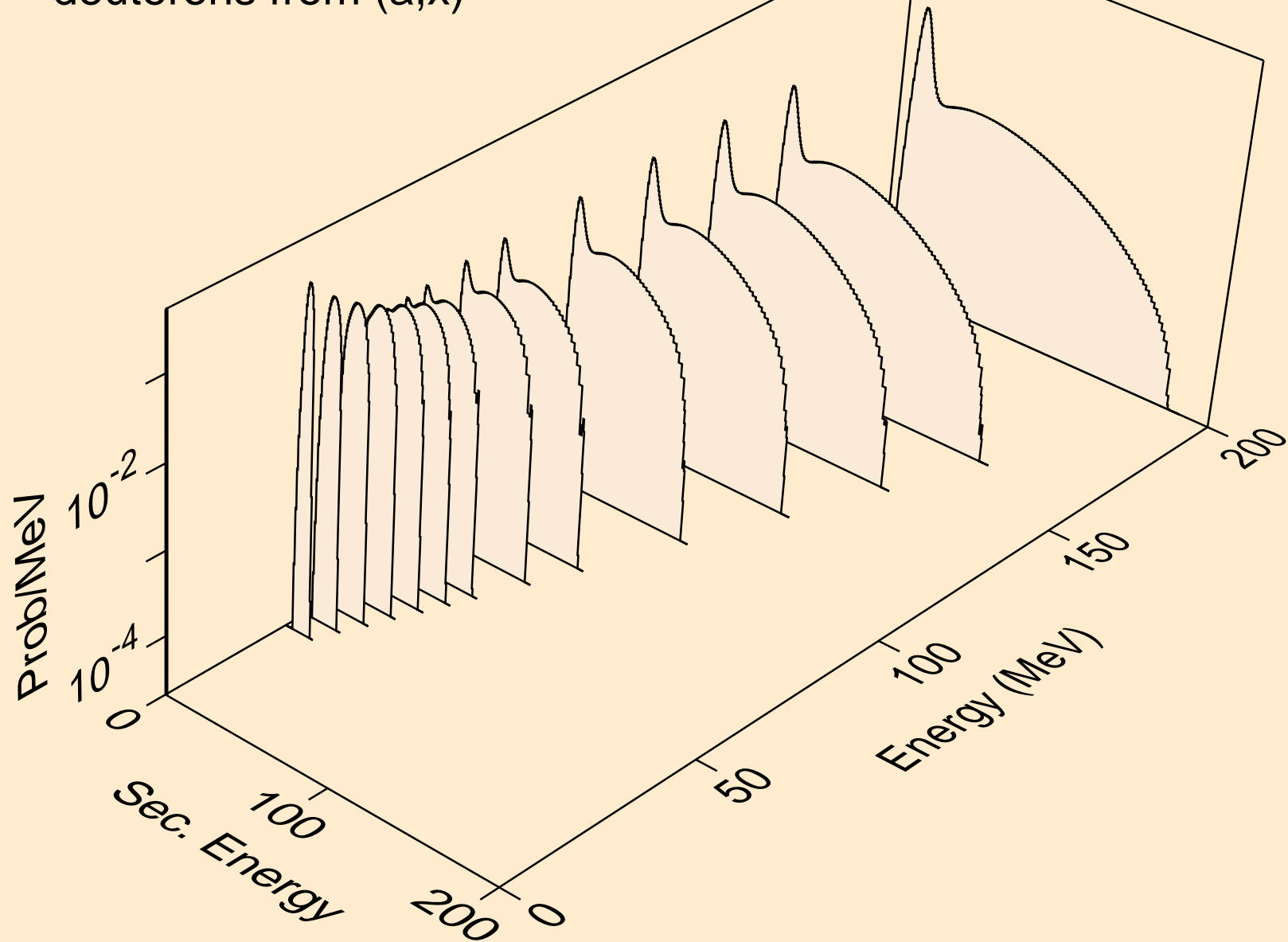
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protons from (a,pa)



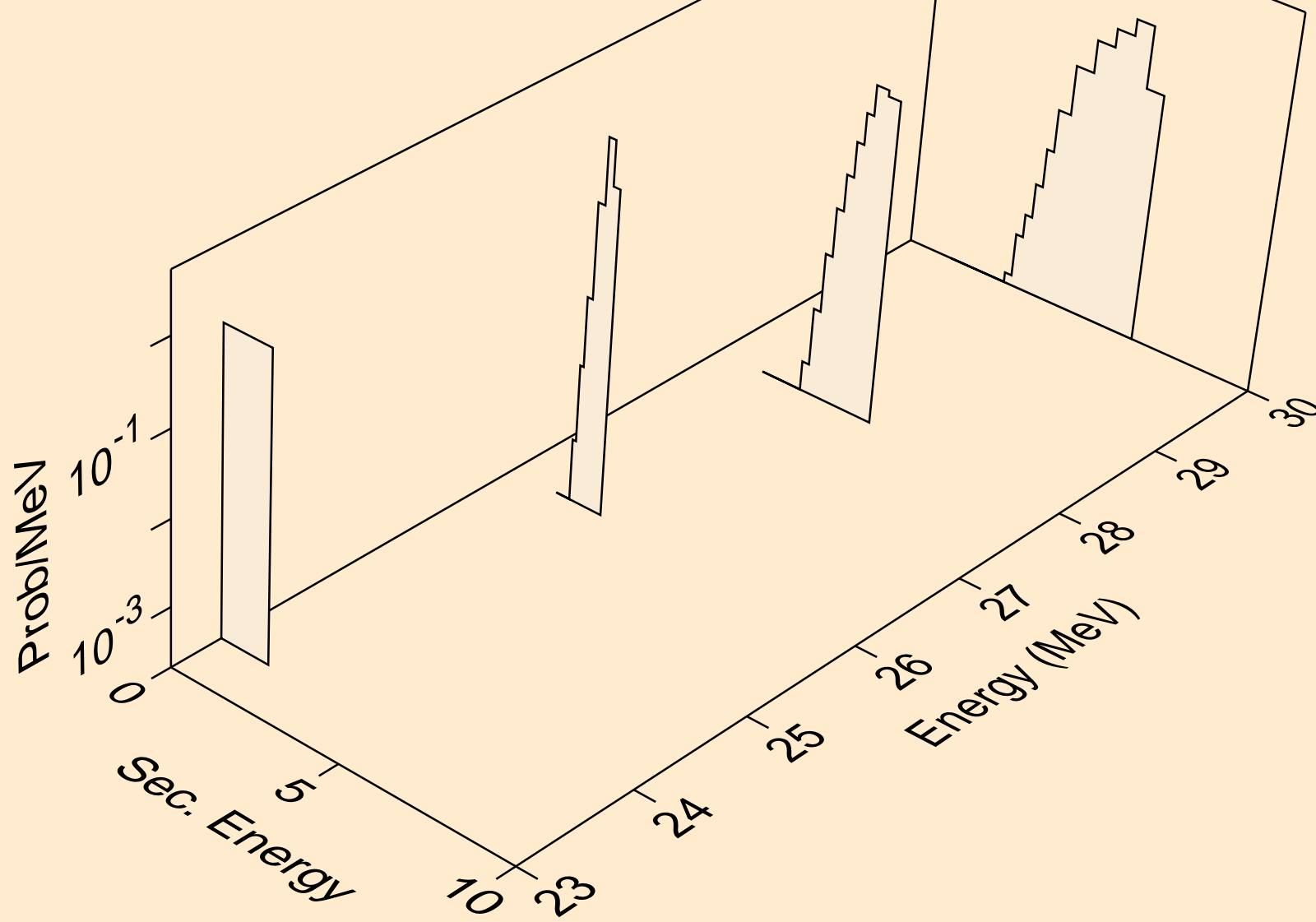
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protons from (a,pd)



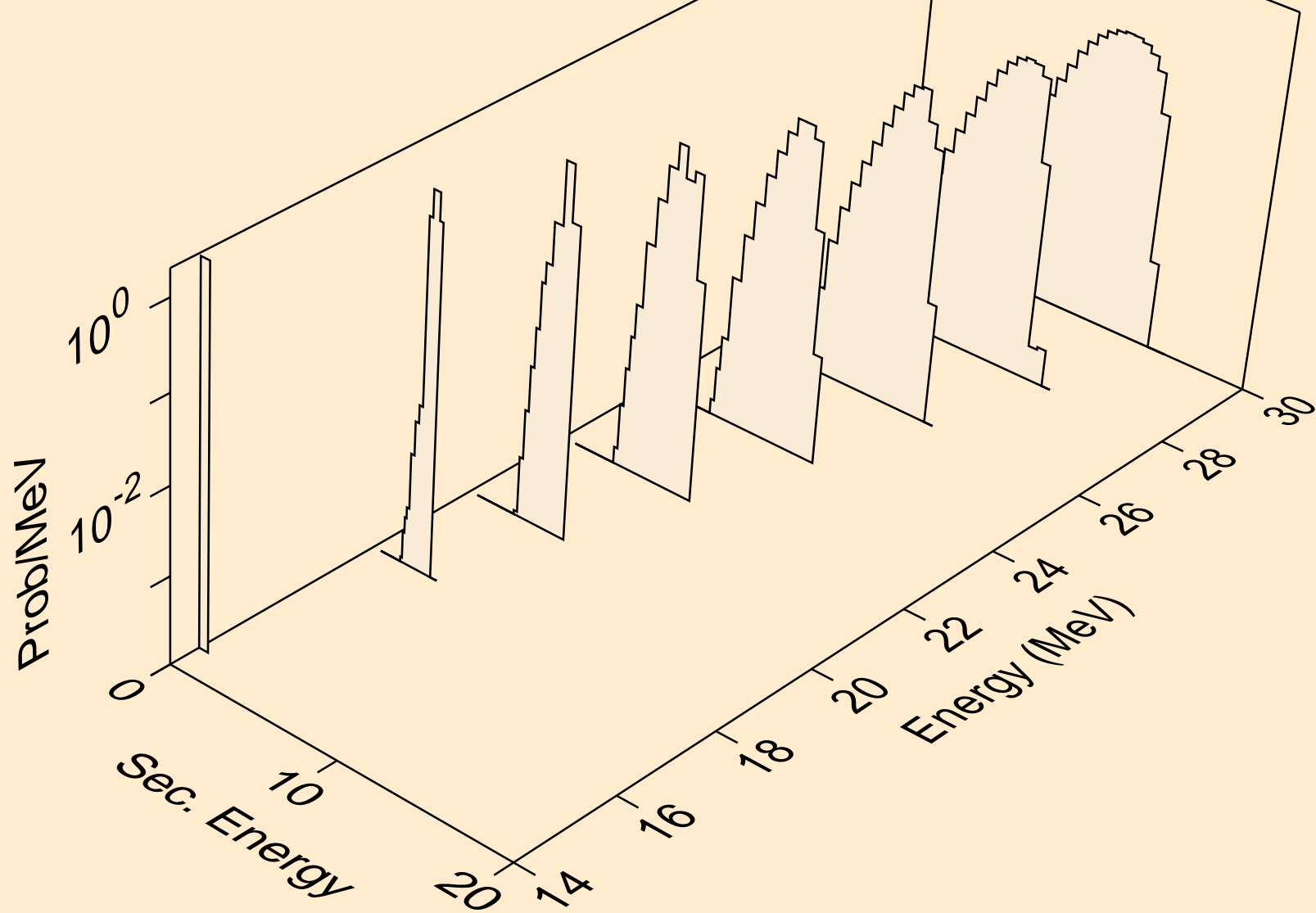
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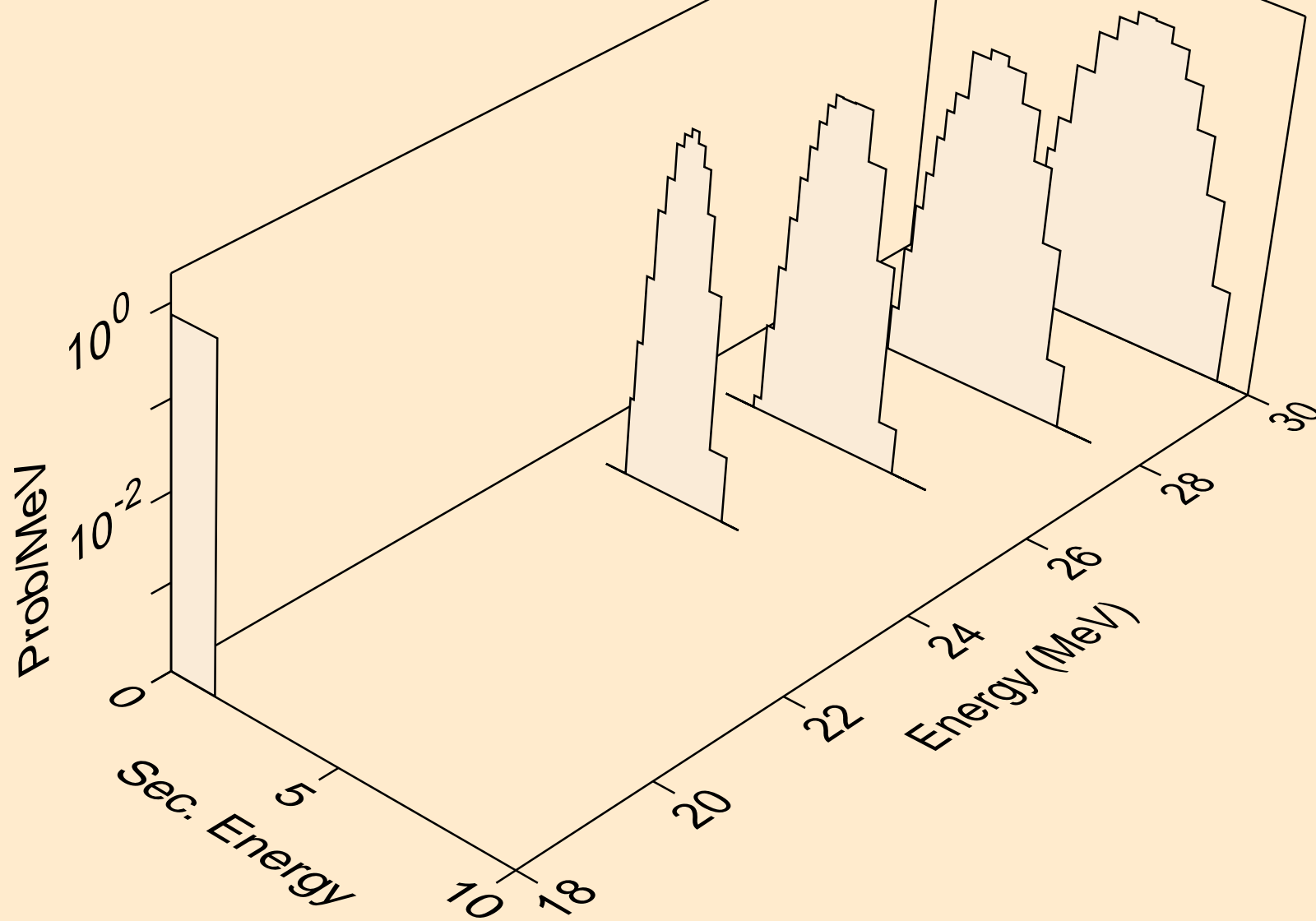
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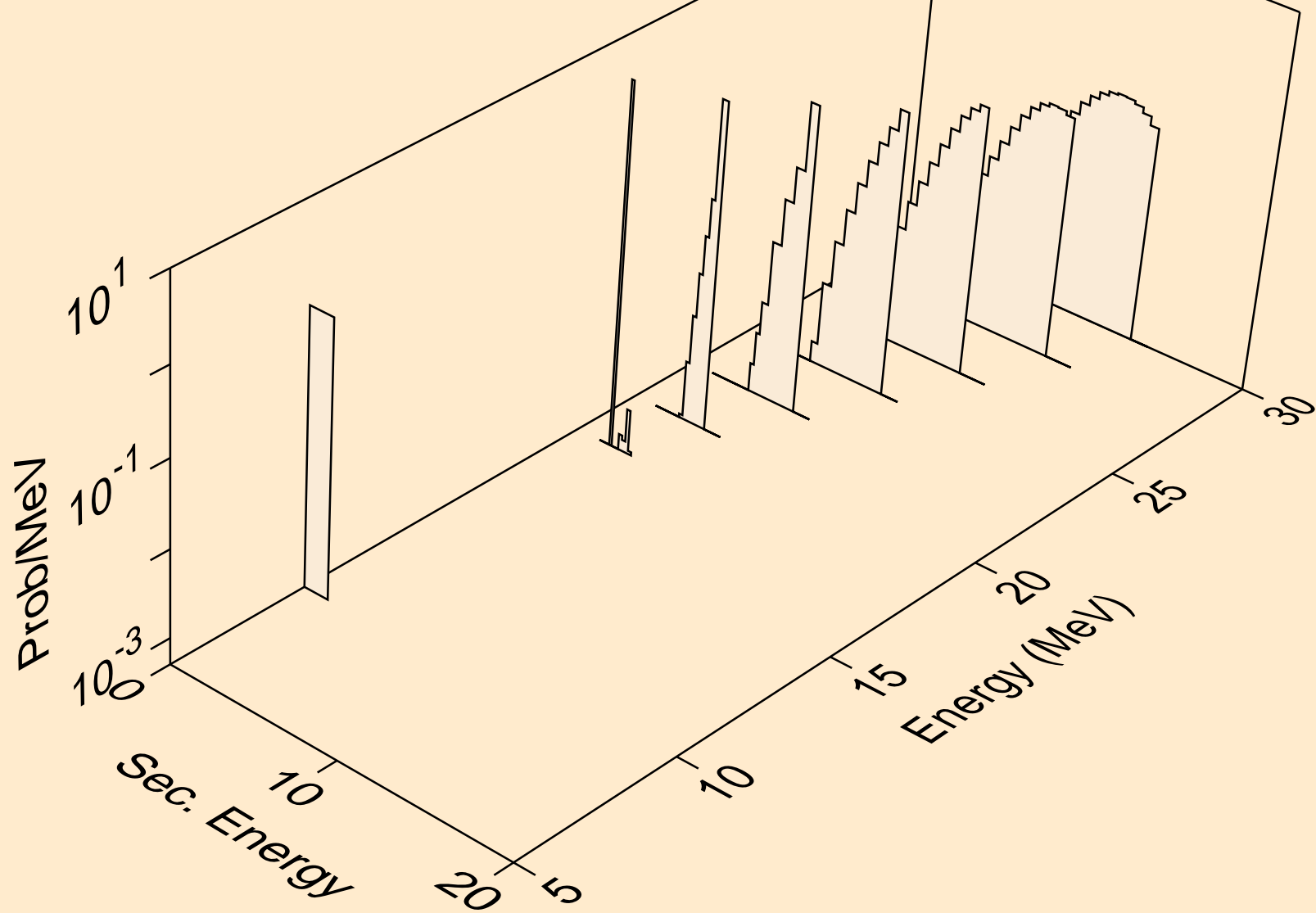
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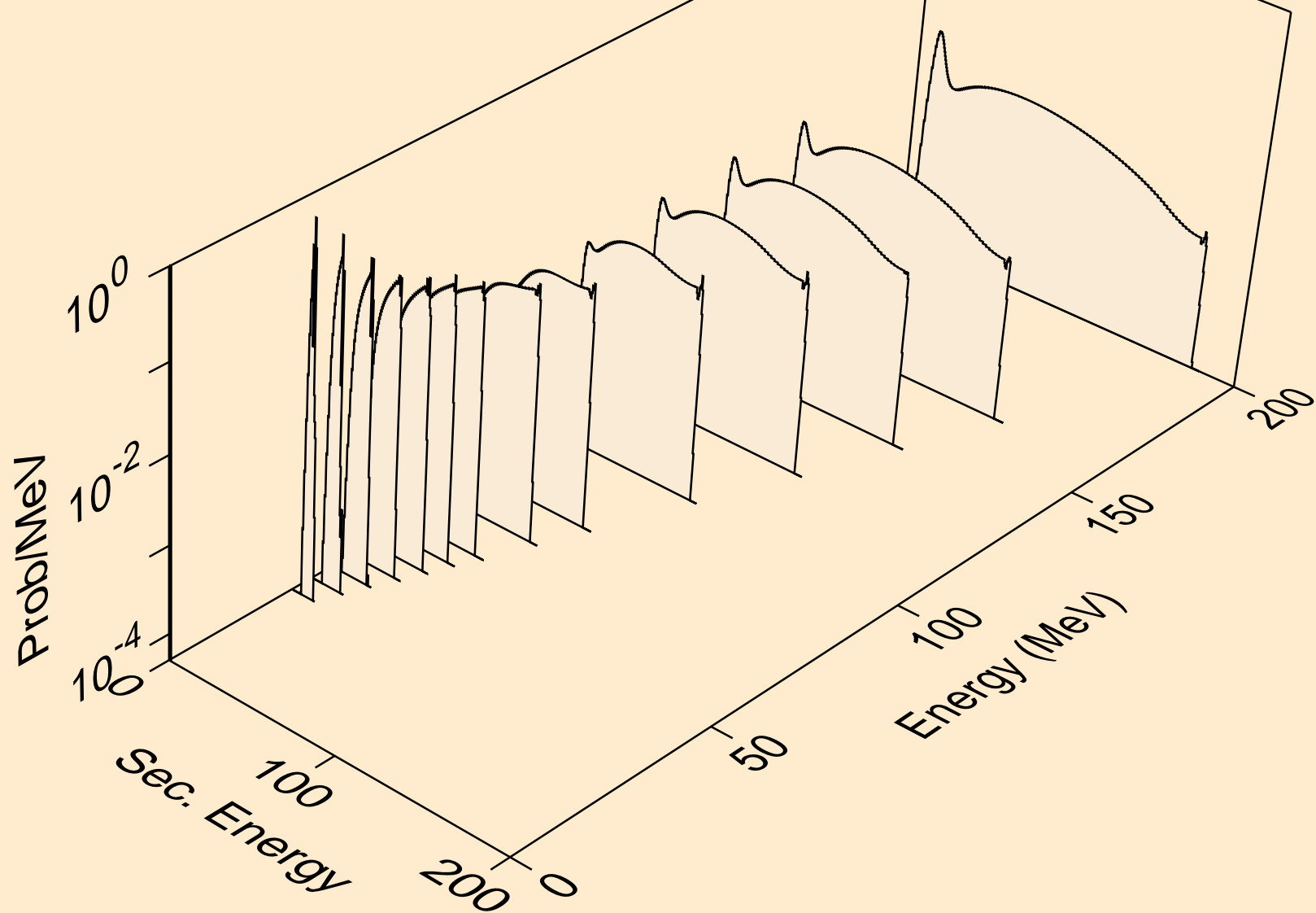
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deuterons from (a,pd)



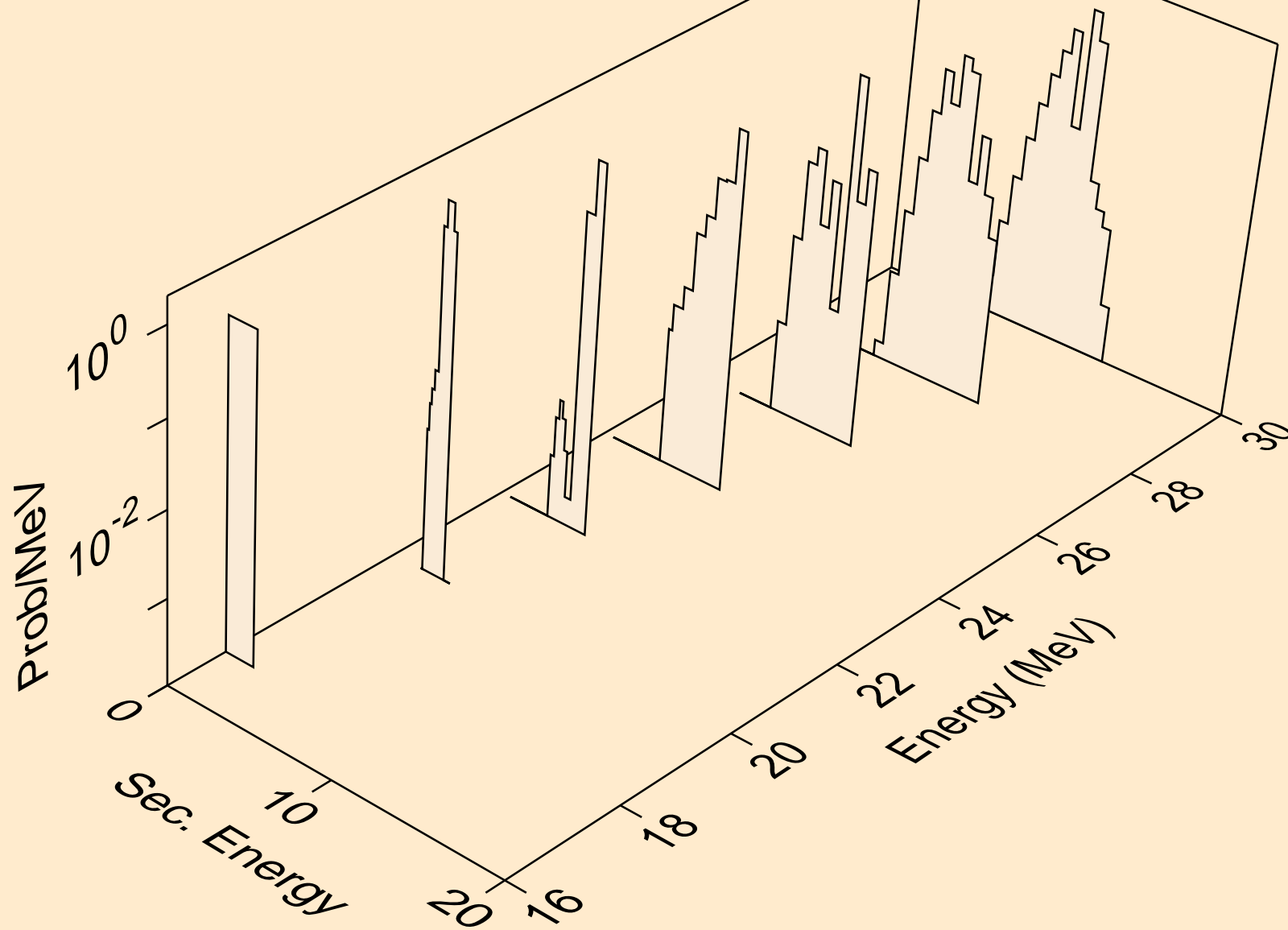
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



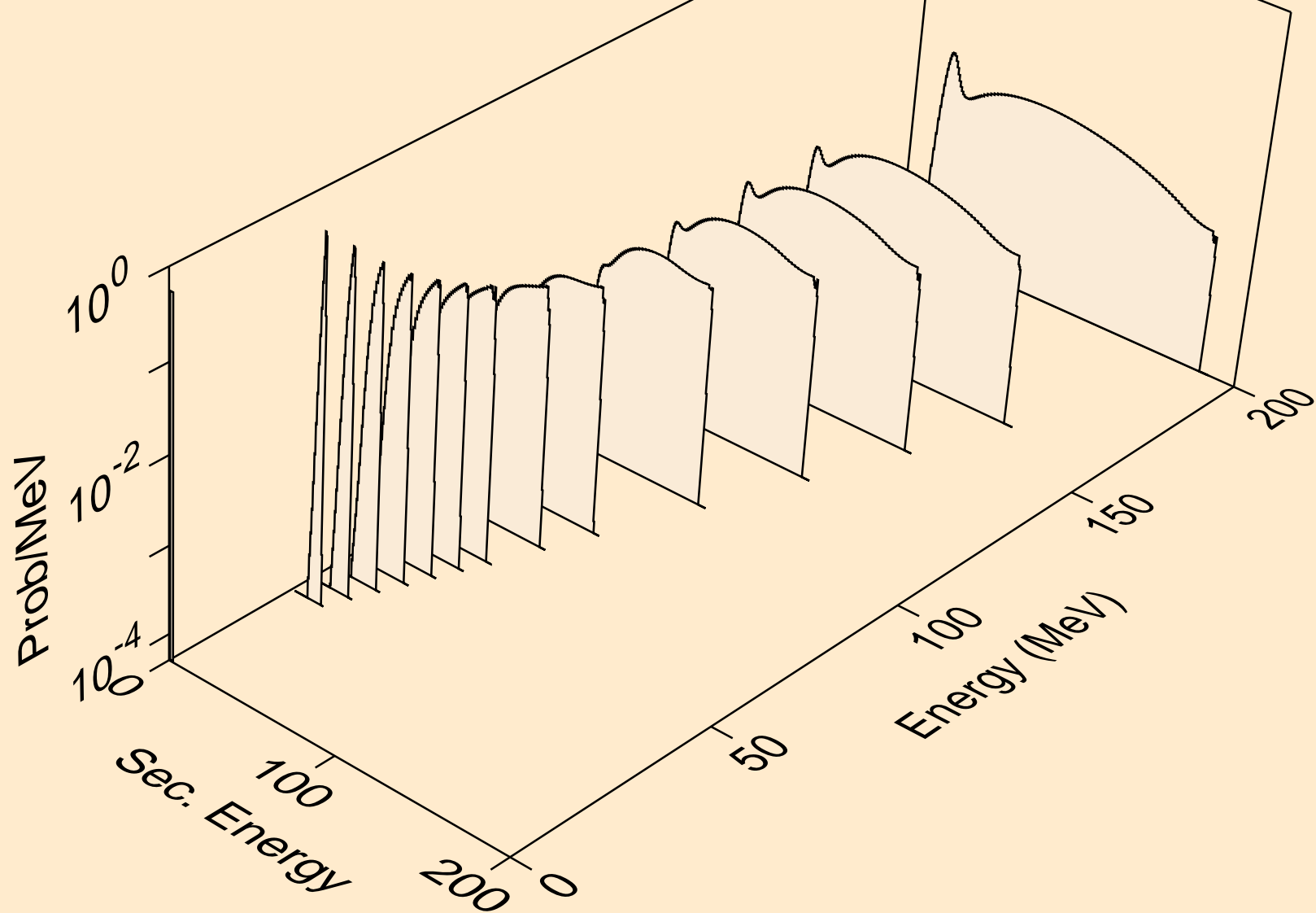
TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



TM153 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

