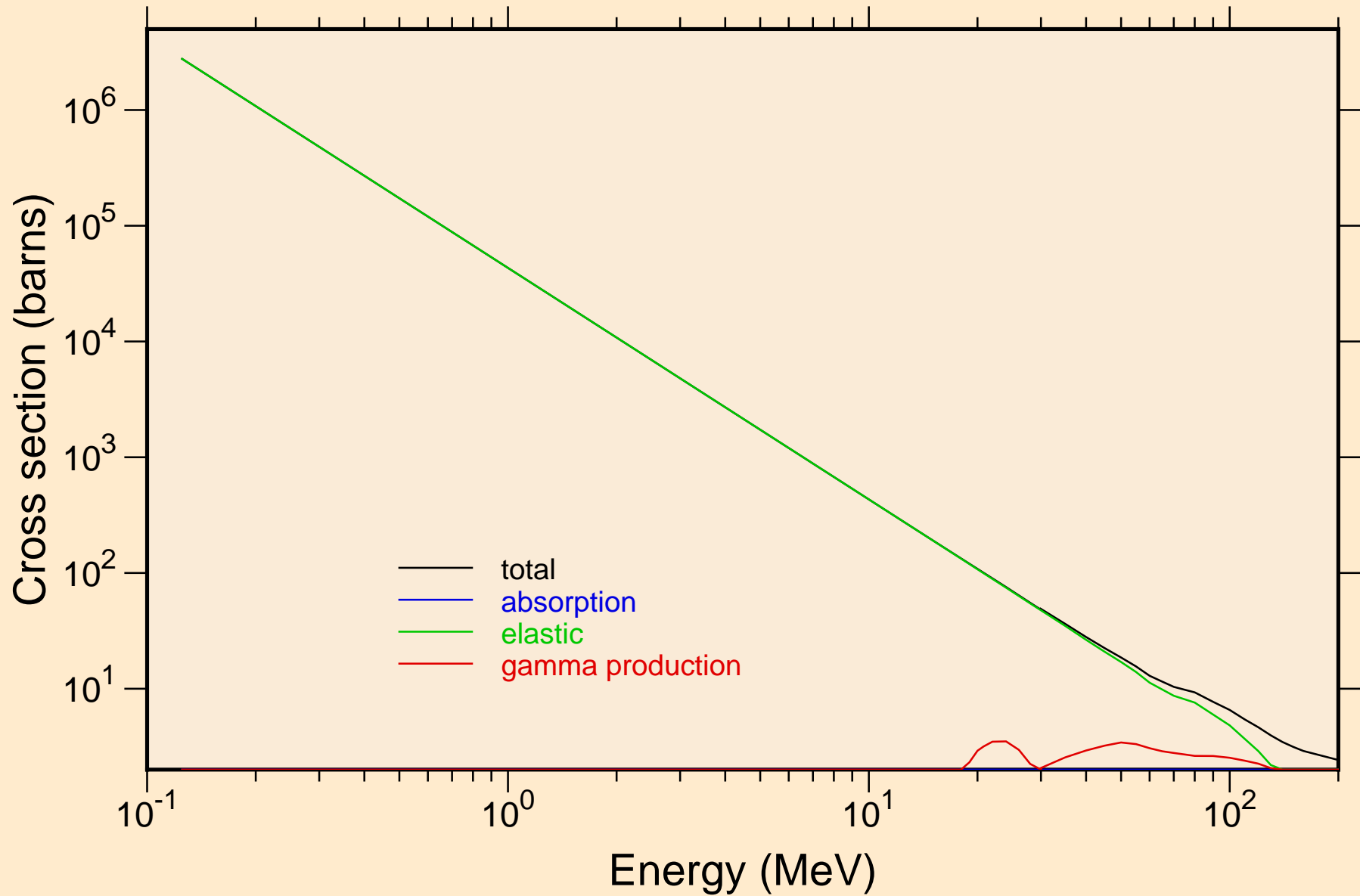
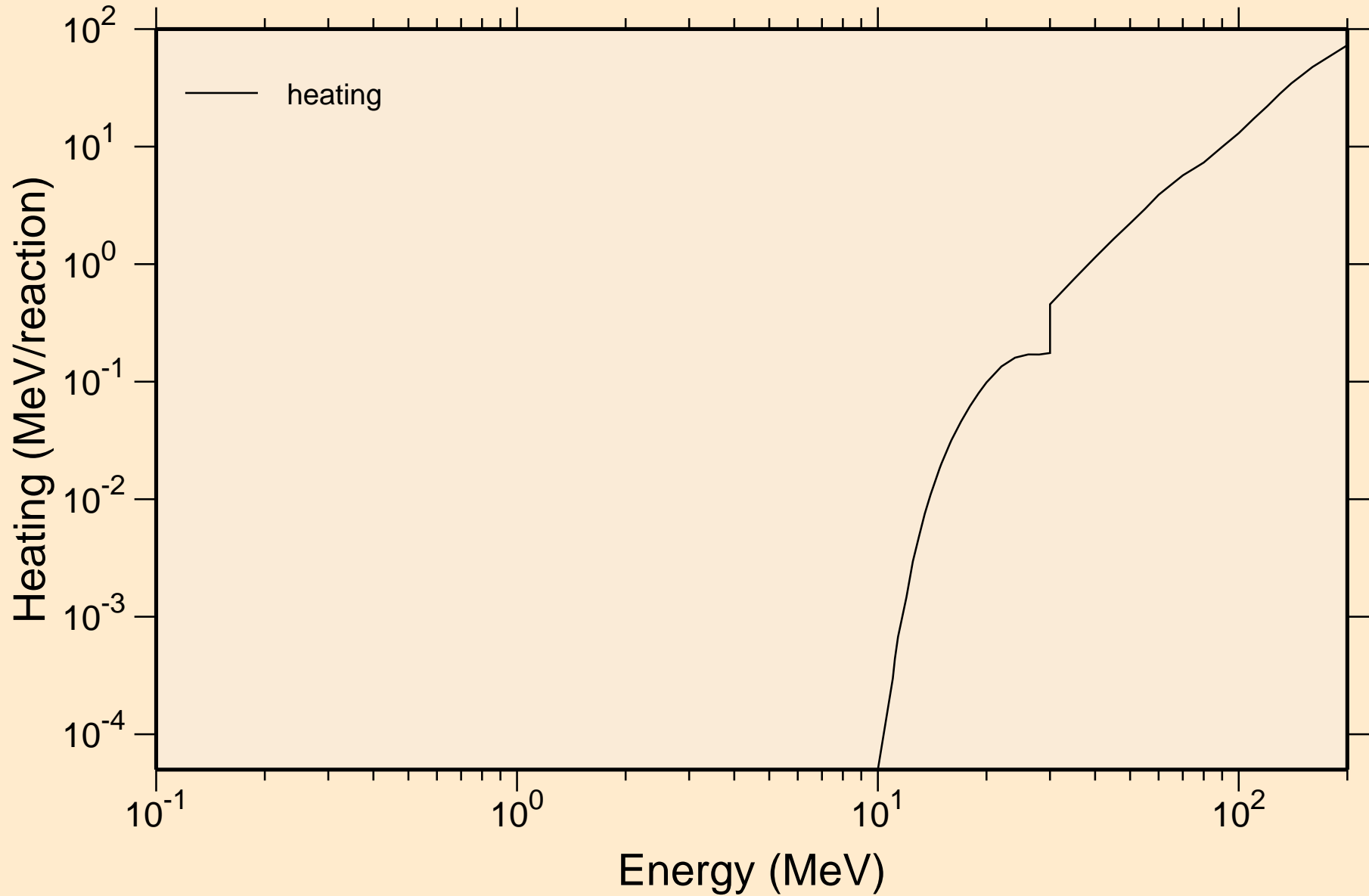


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



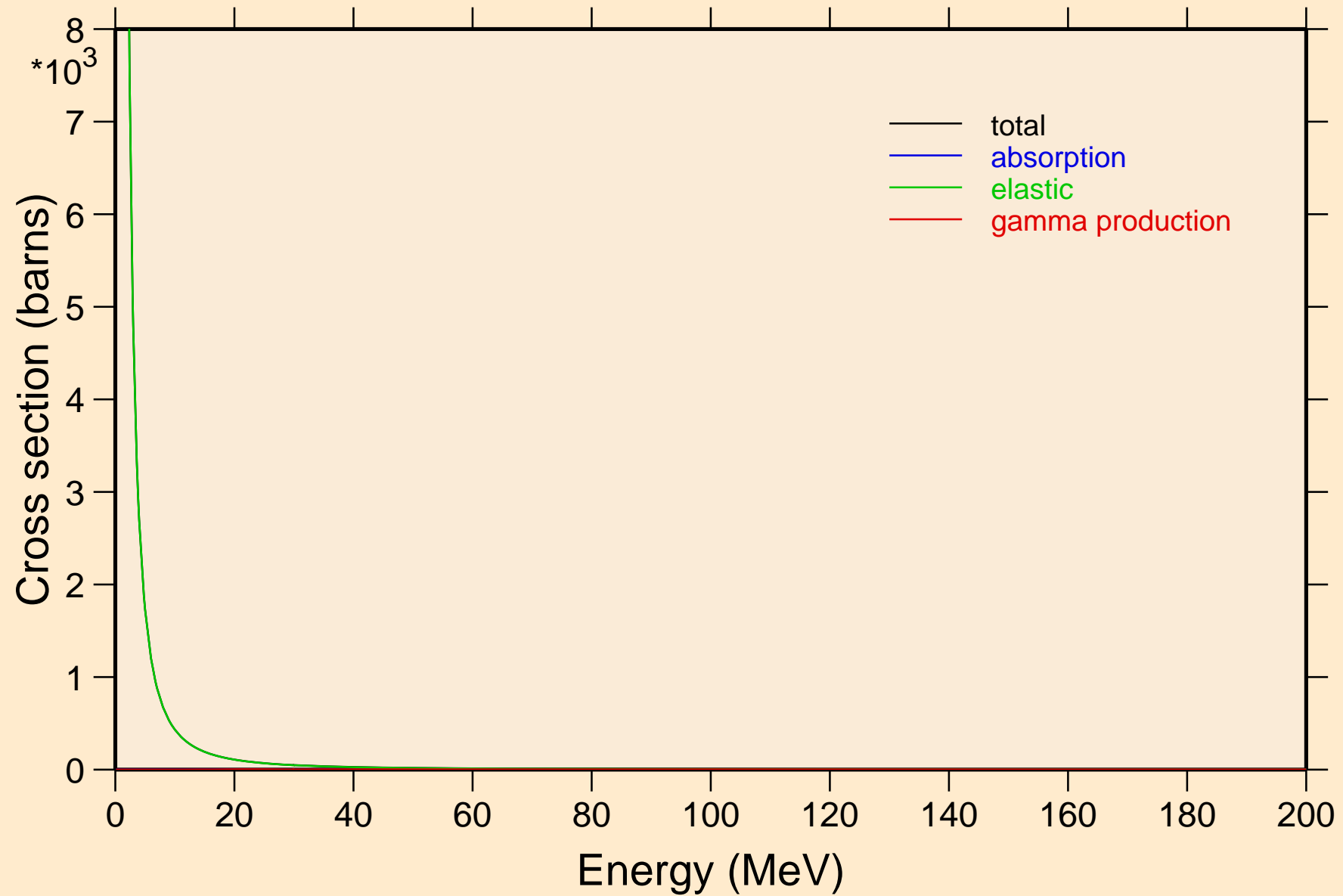
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



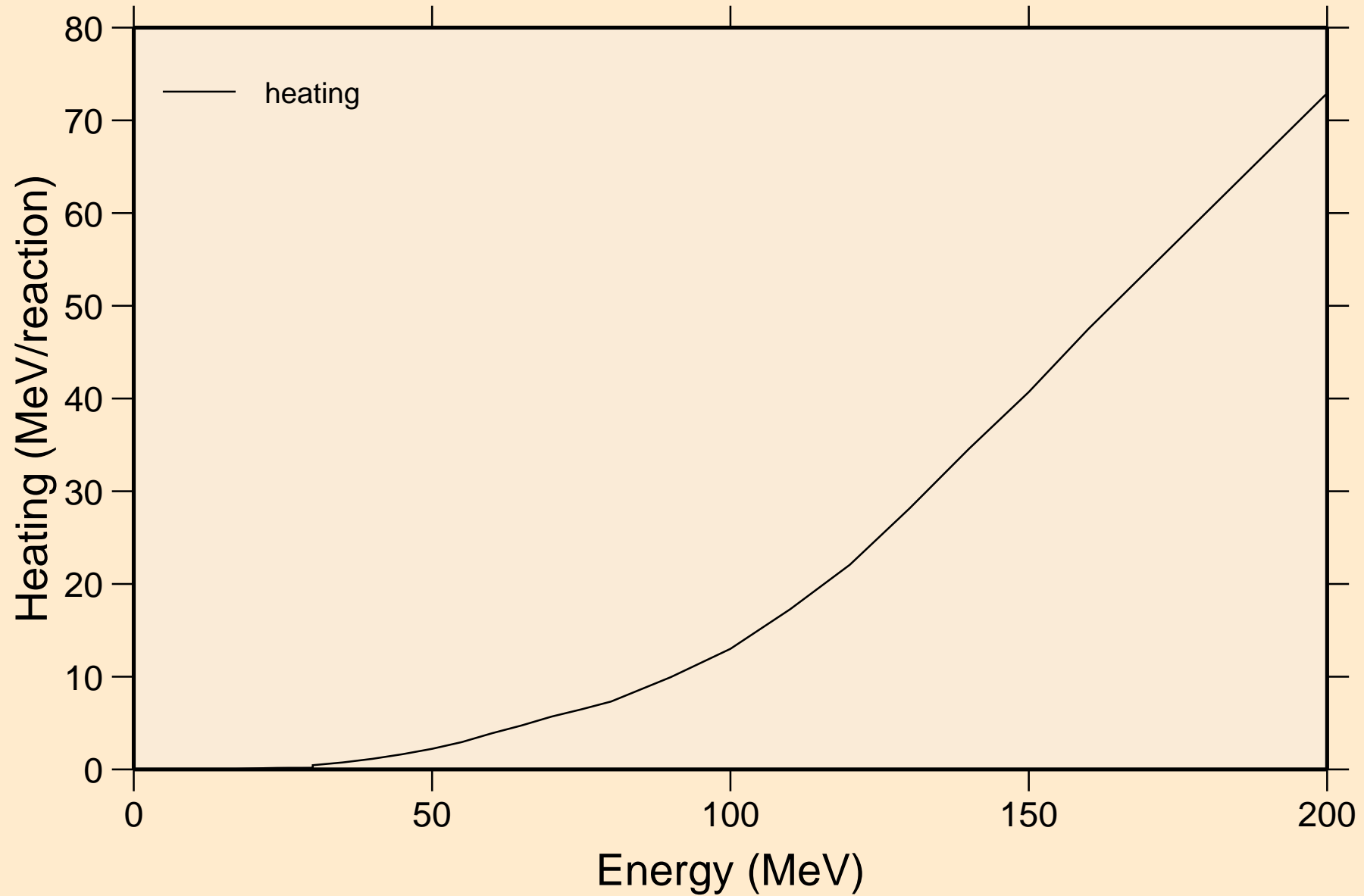
# ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

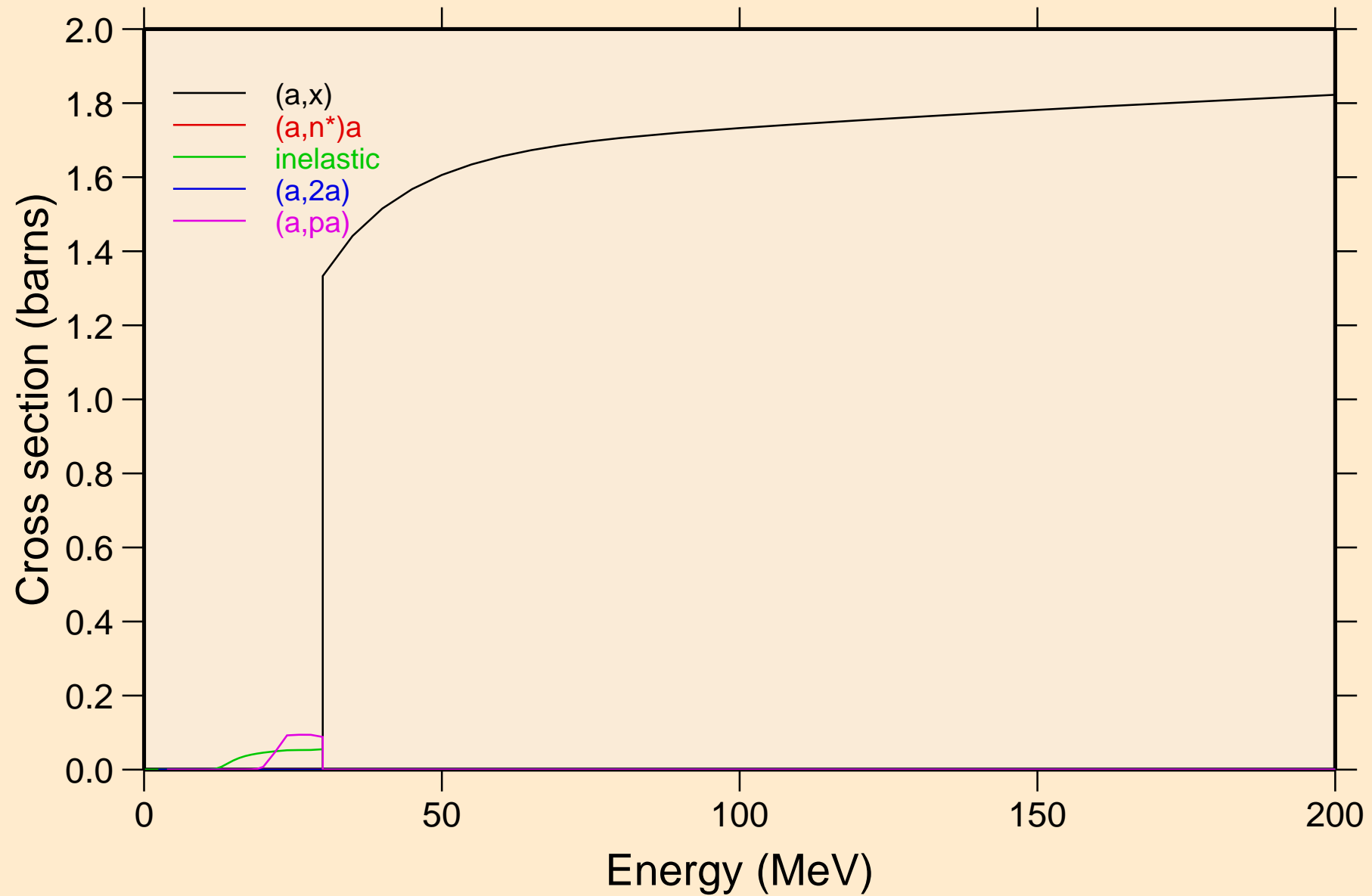


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

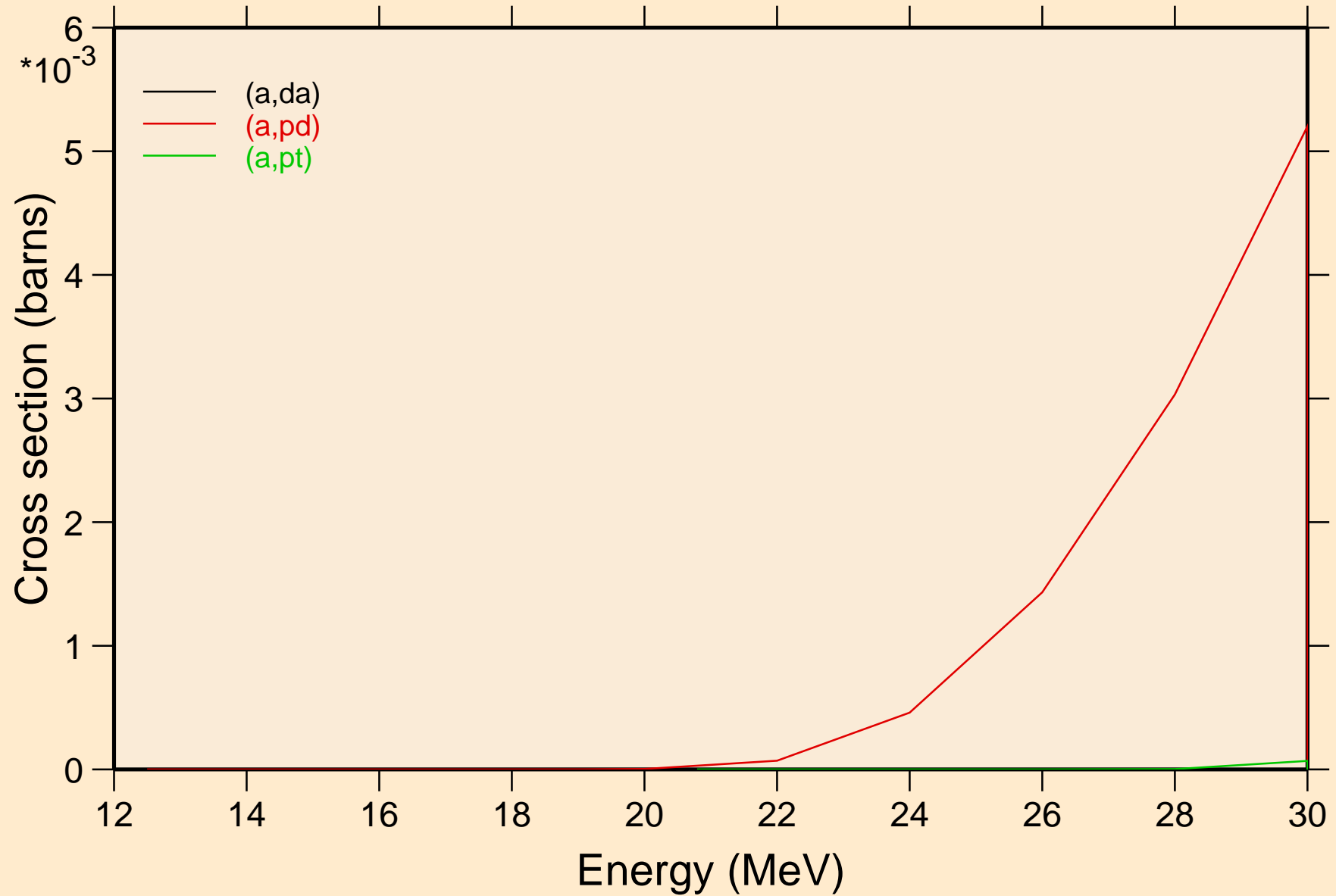
Heating



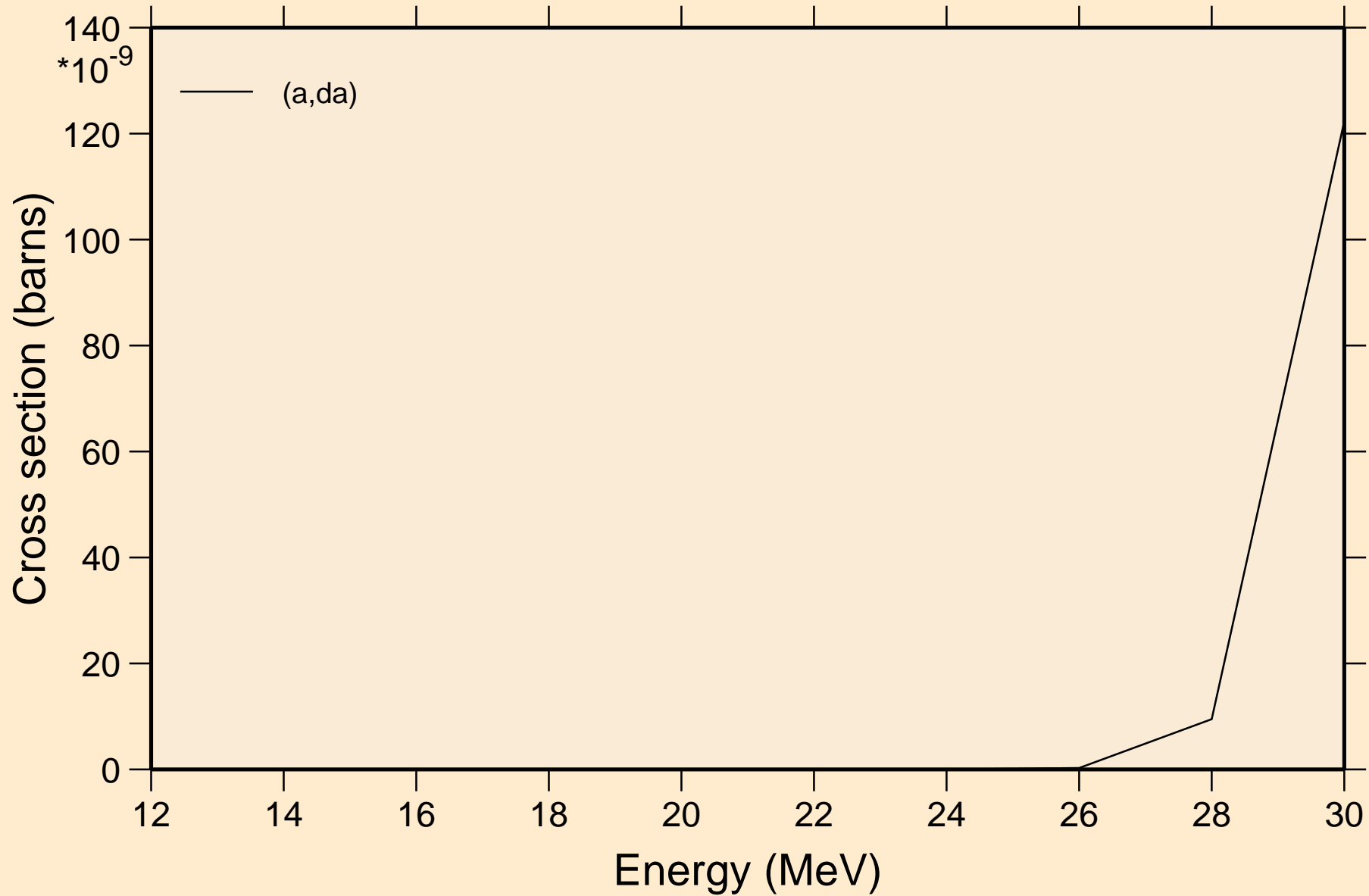
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Threshold reactions



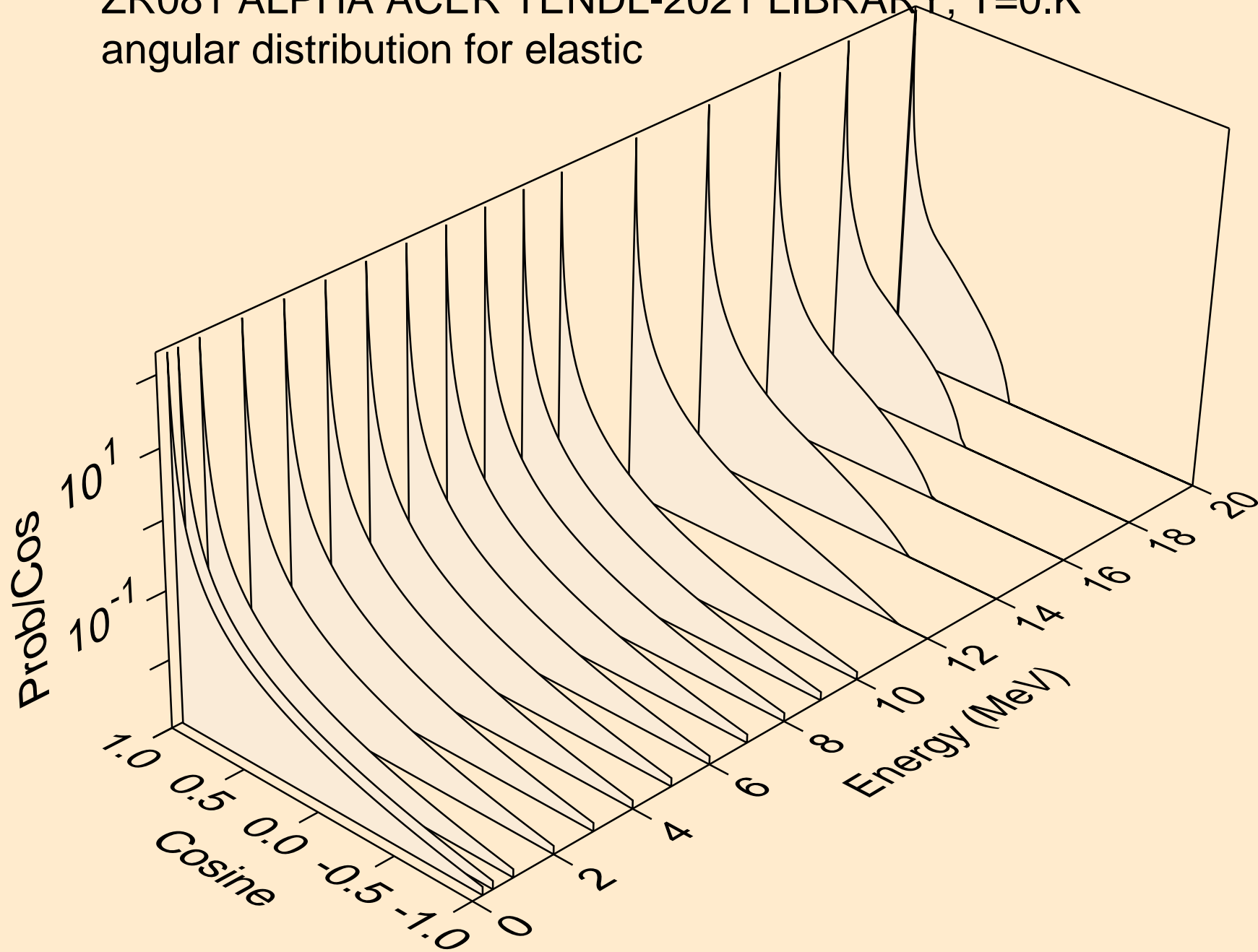
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

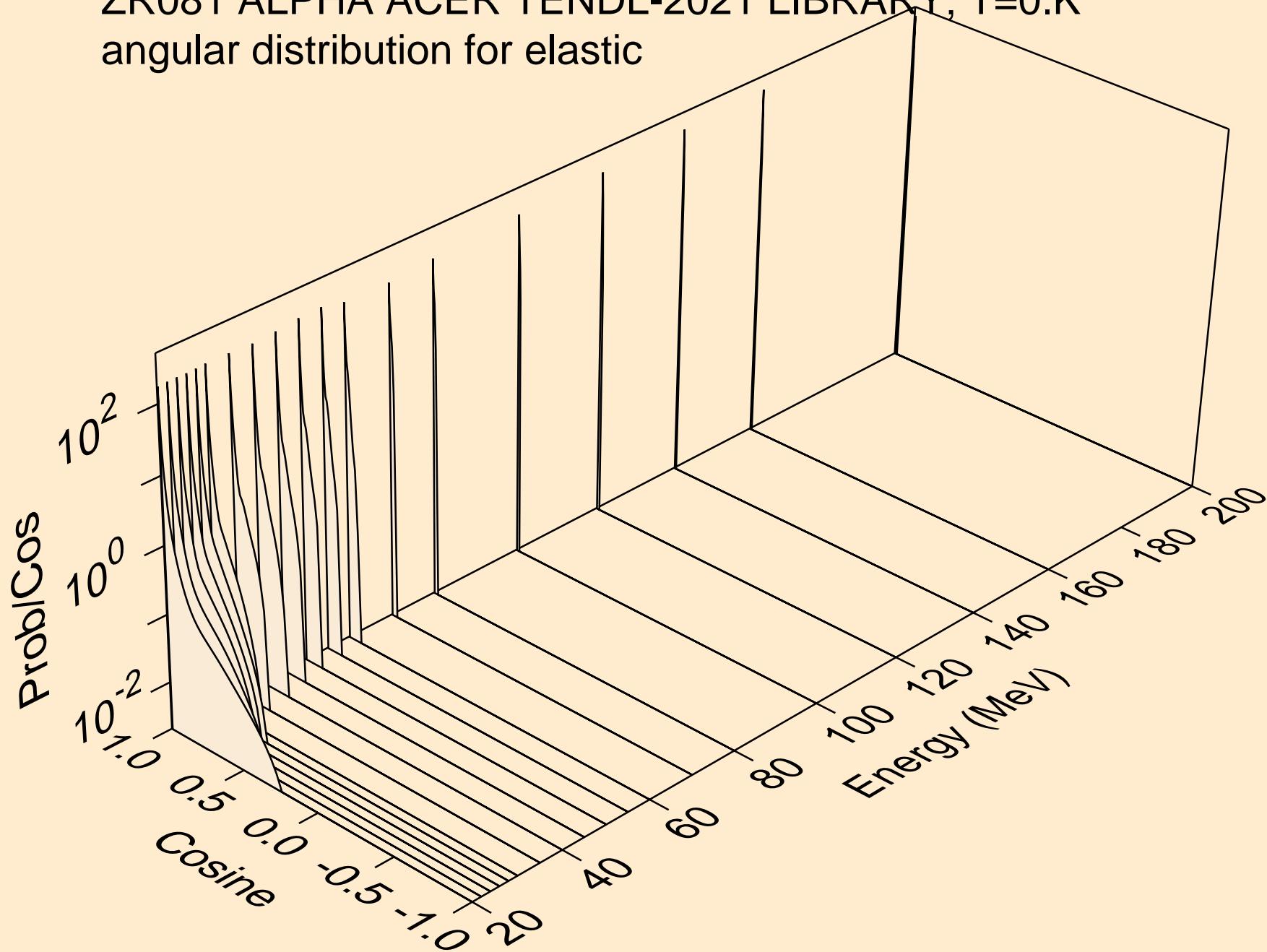


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

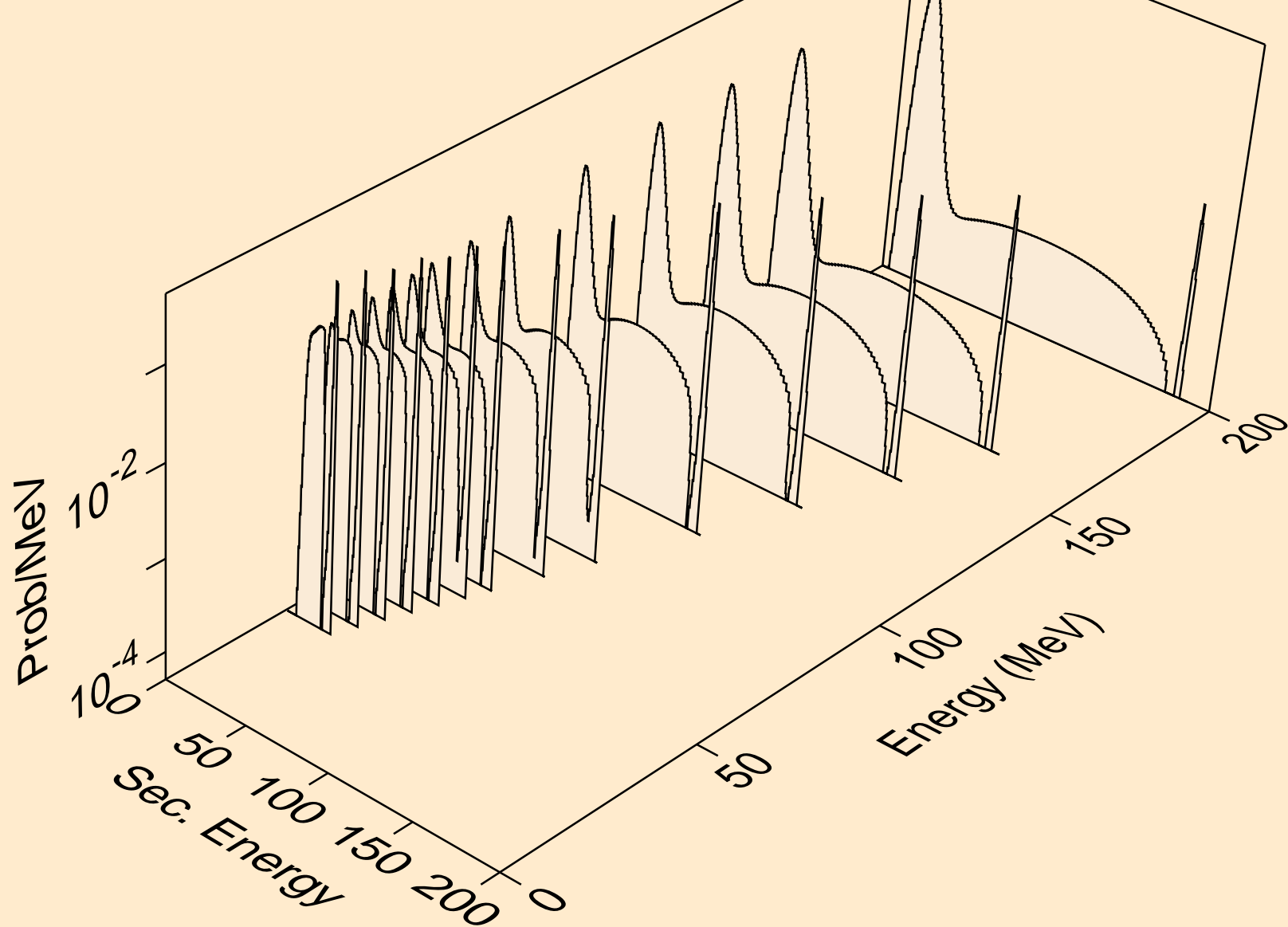




ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

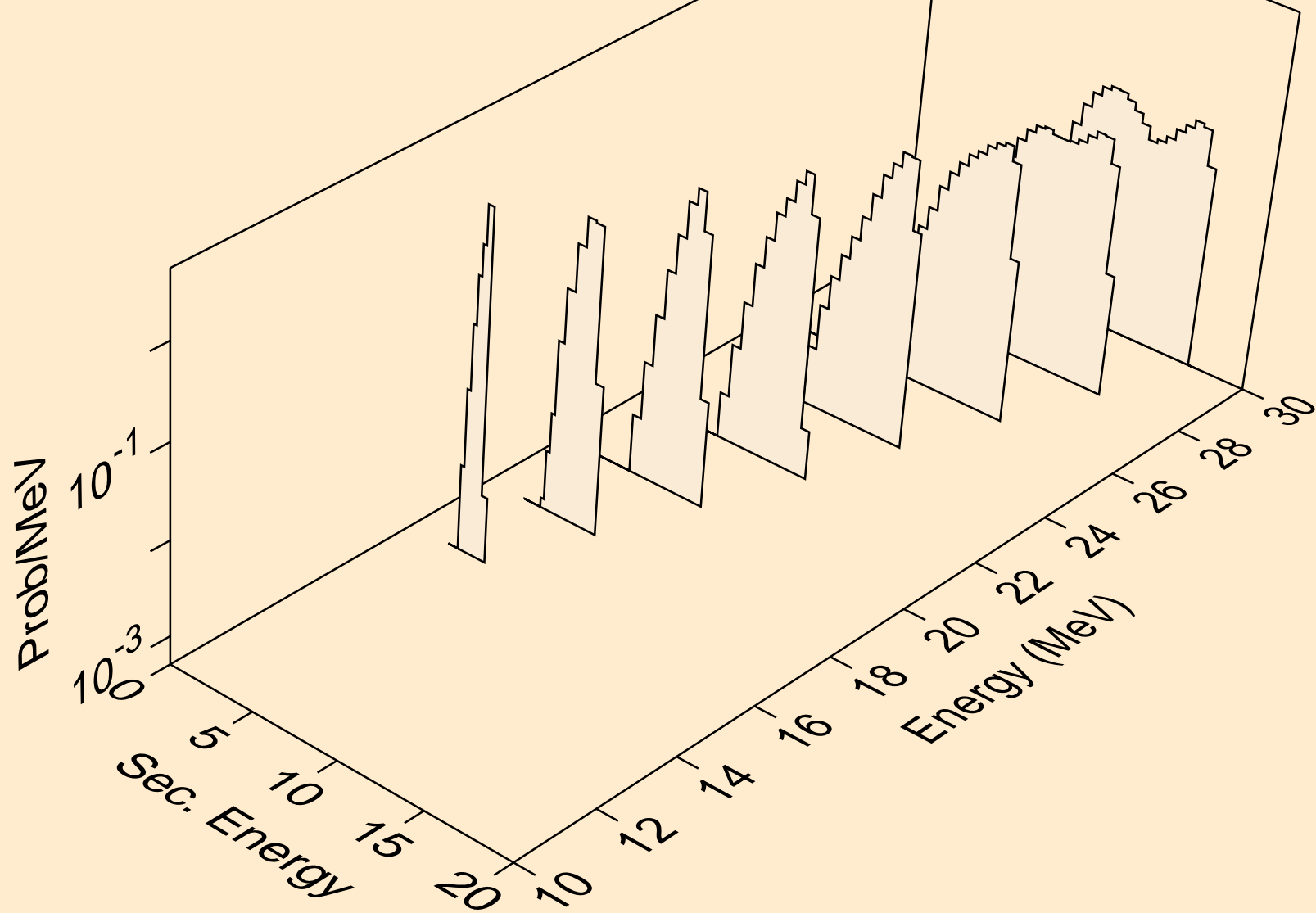


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)

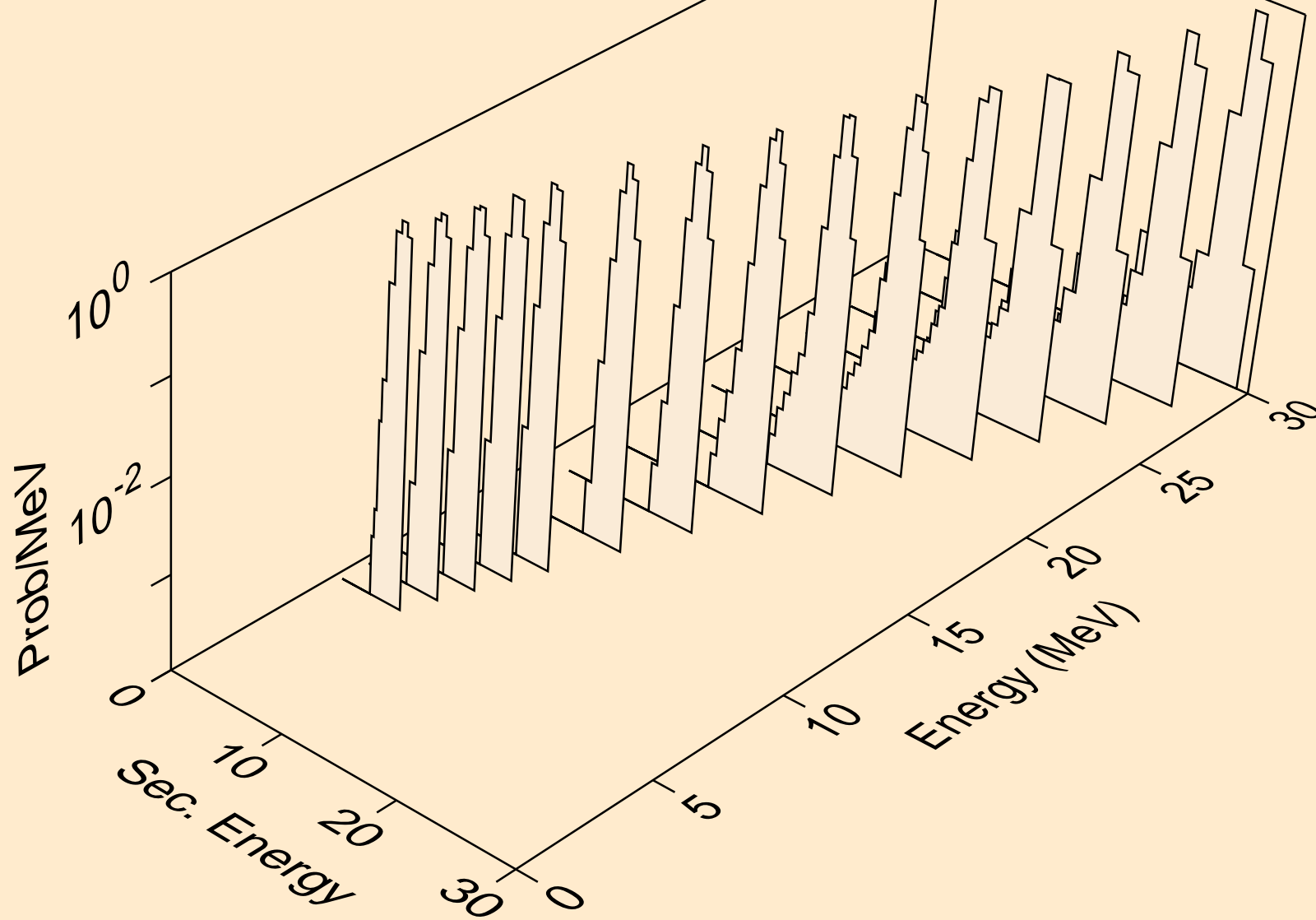


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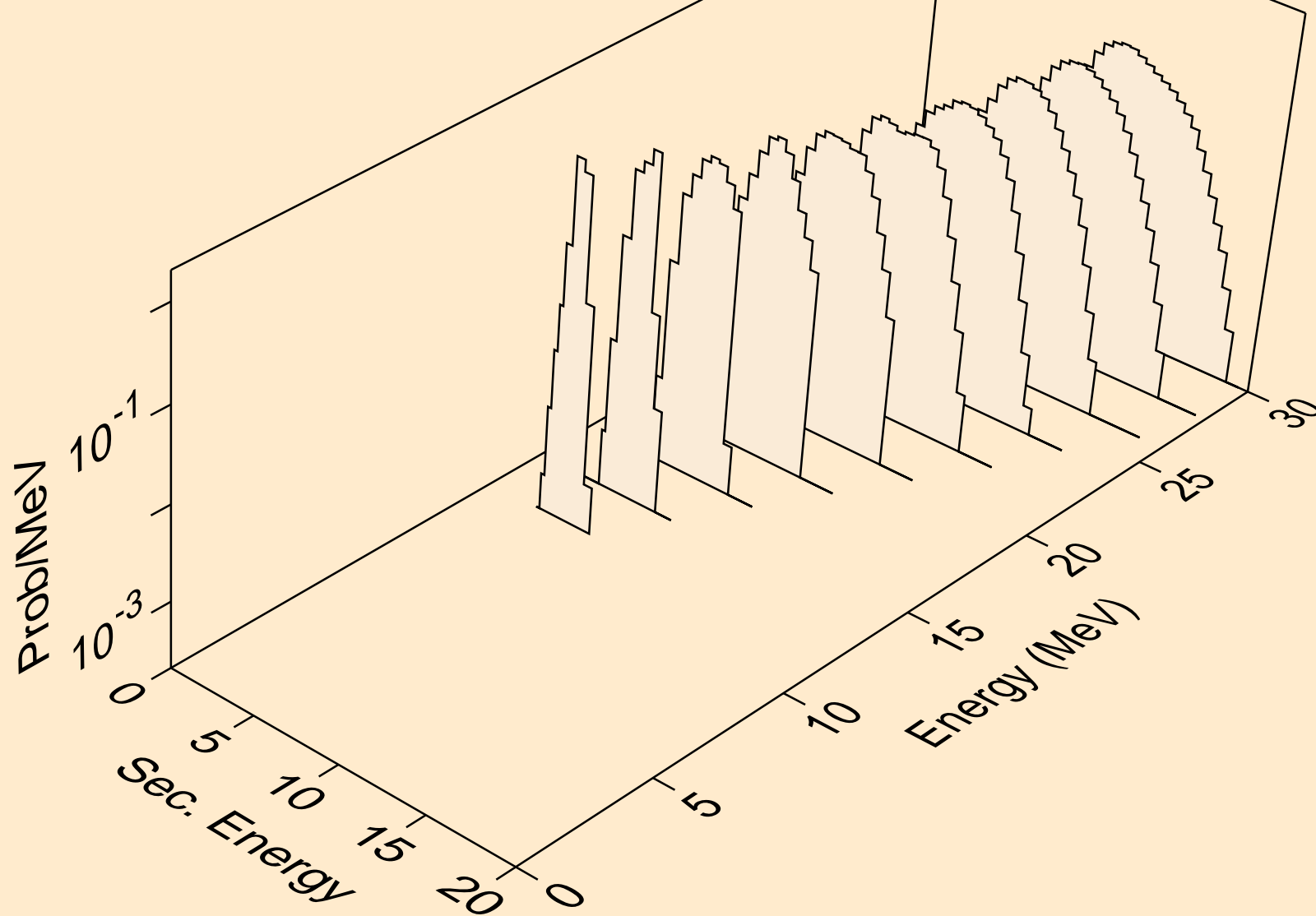
Alpha emission for (a,n\*)a



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic

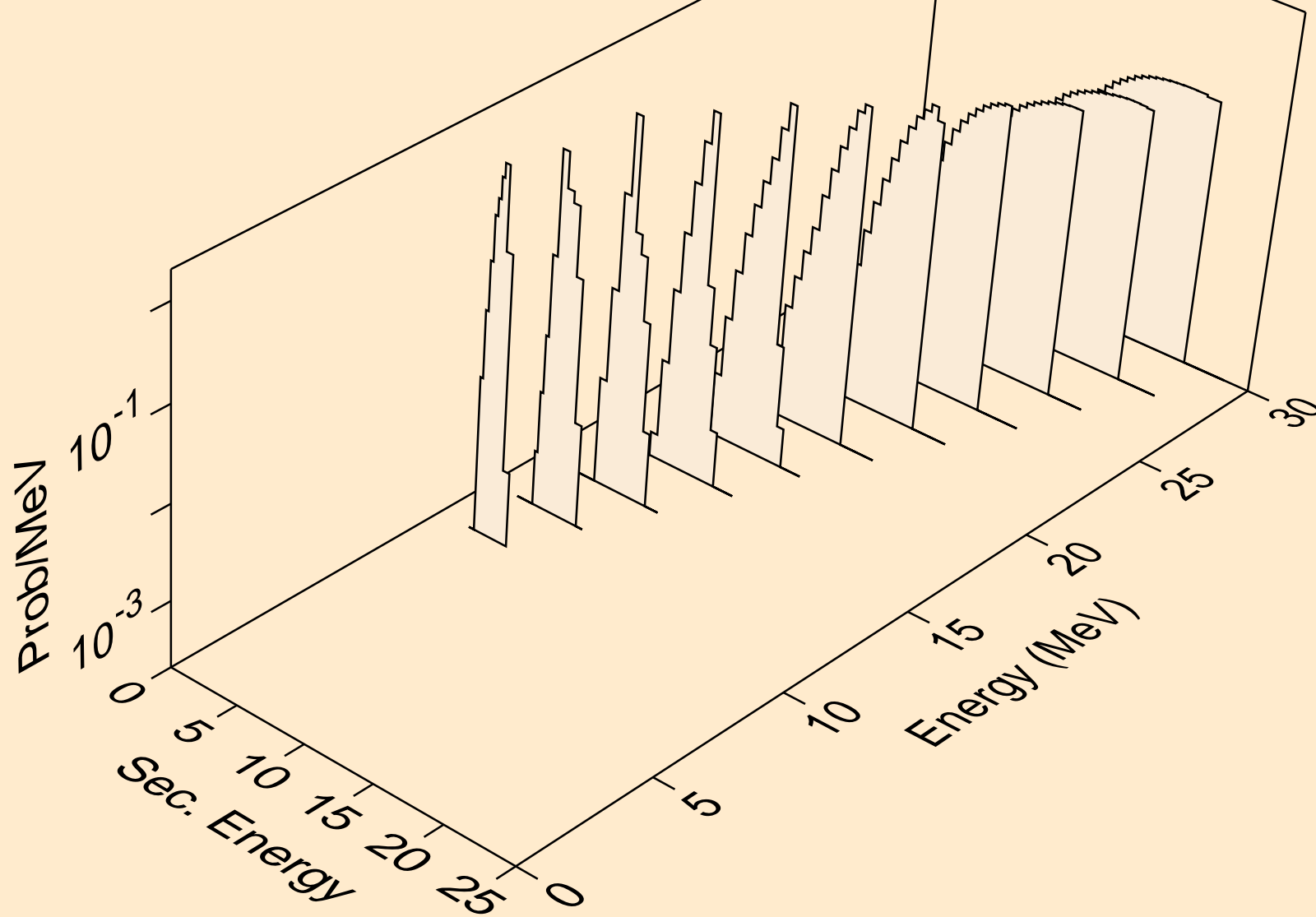


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)

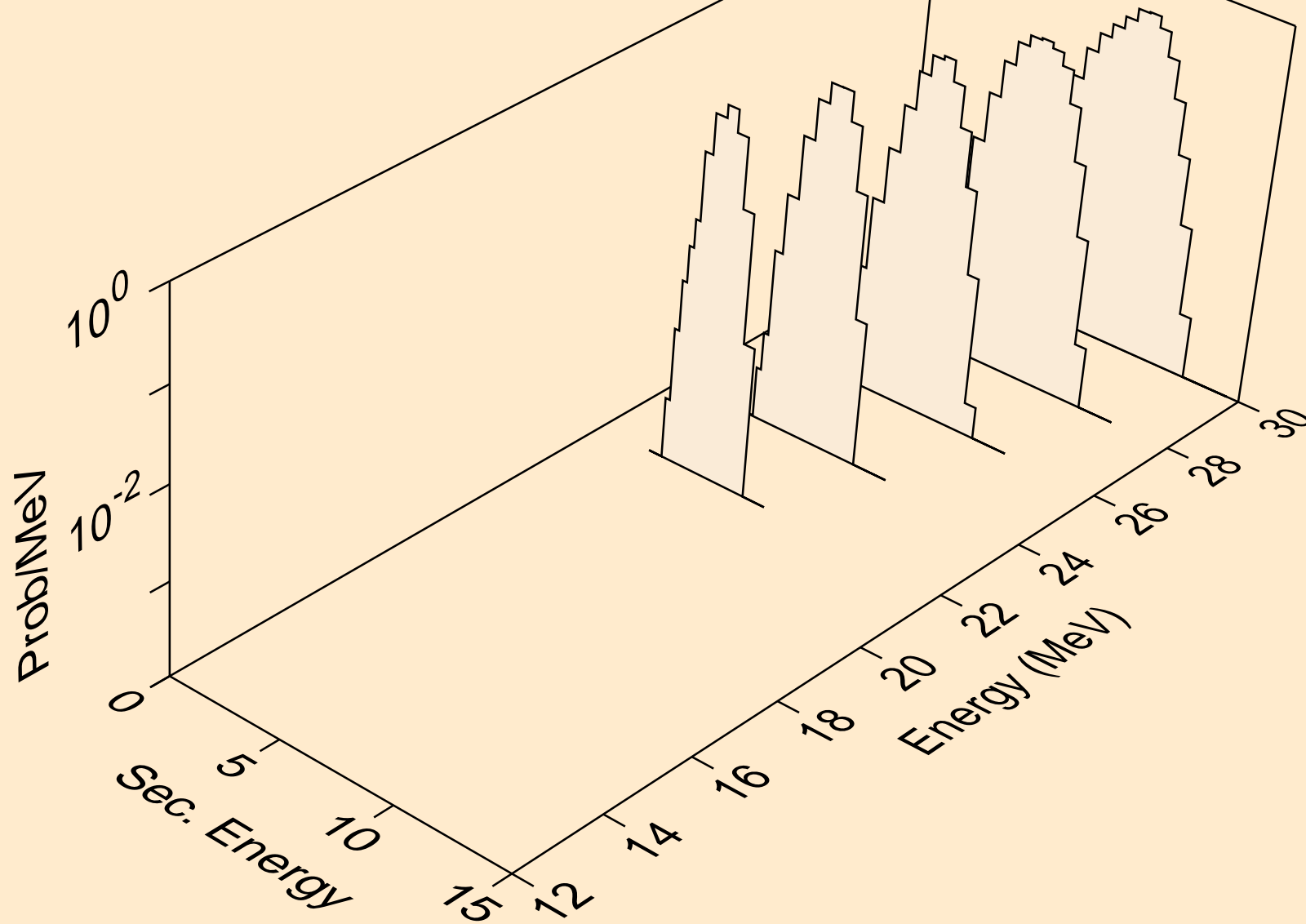


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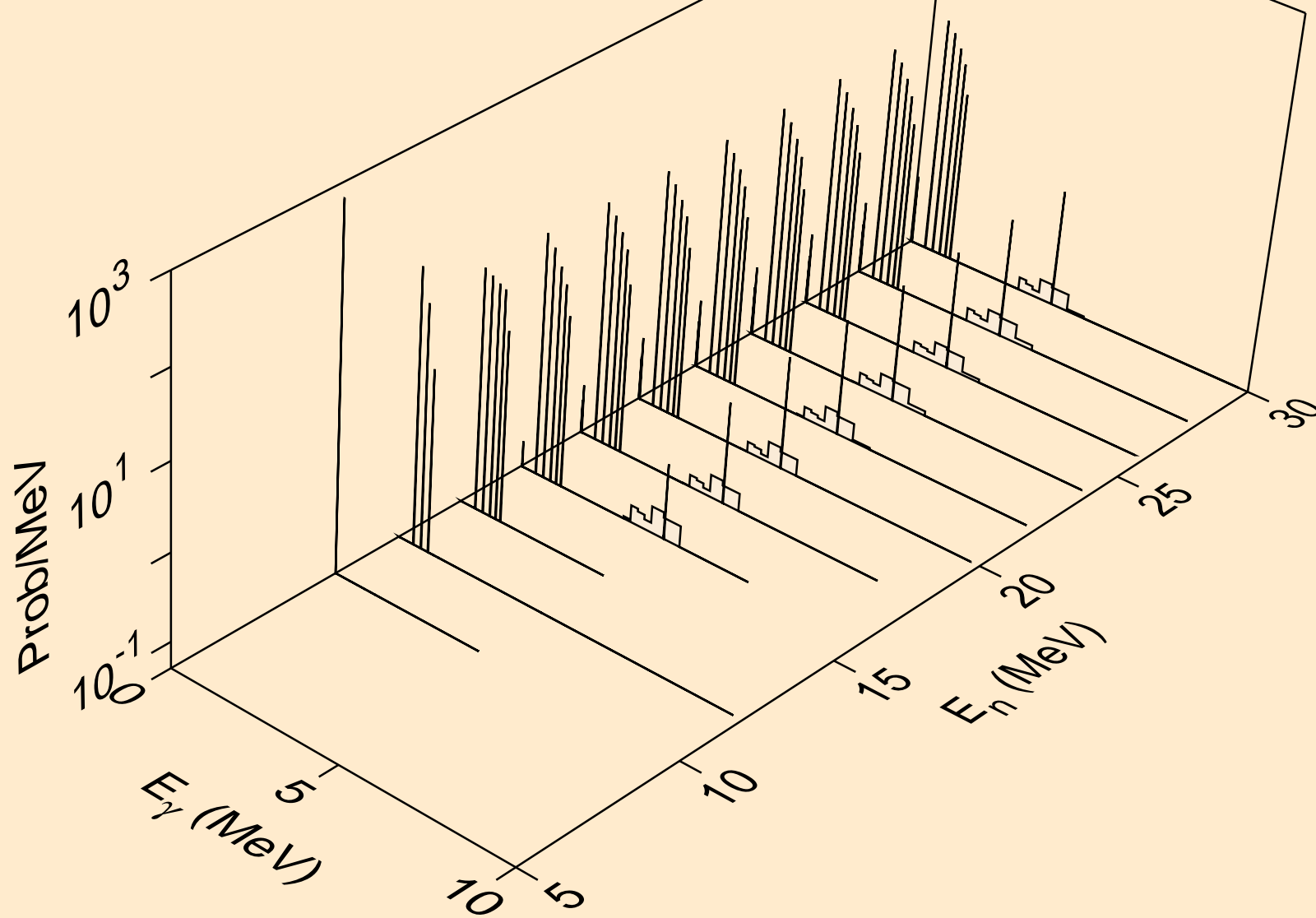
Alpha emission for (a,pa)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,da)

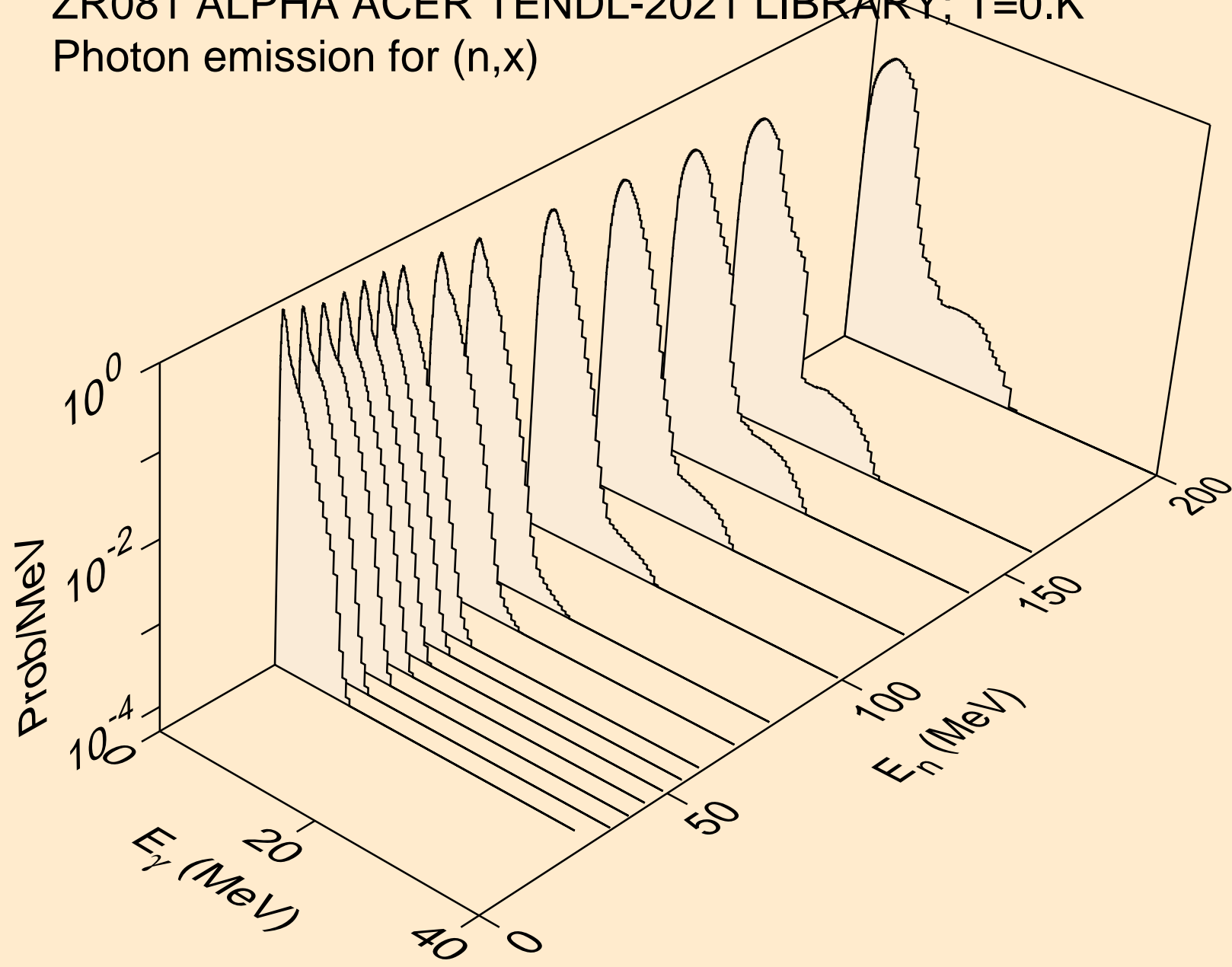


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

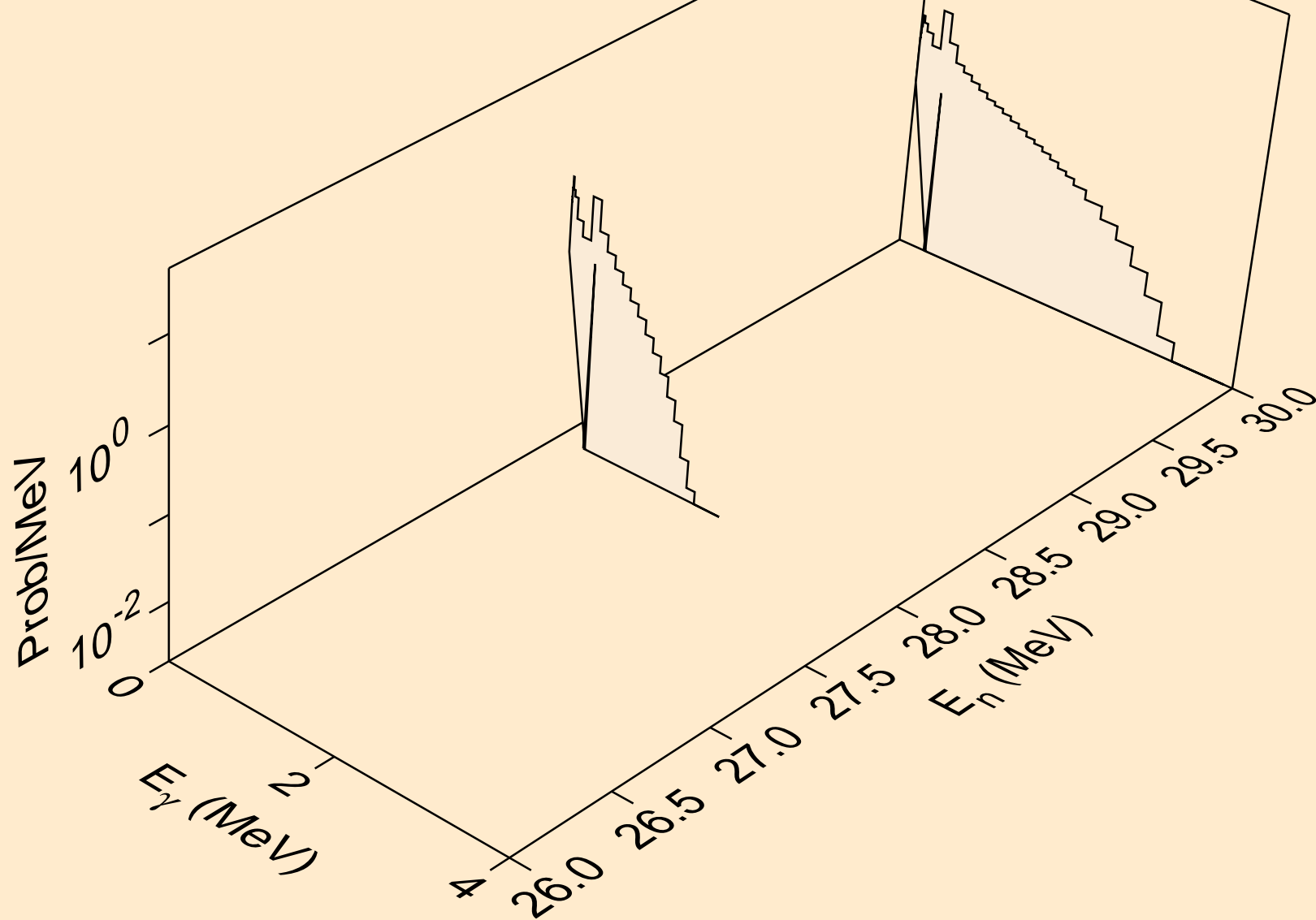




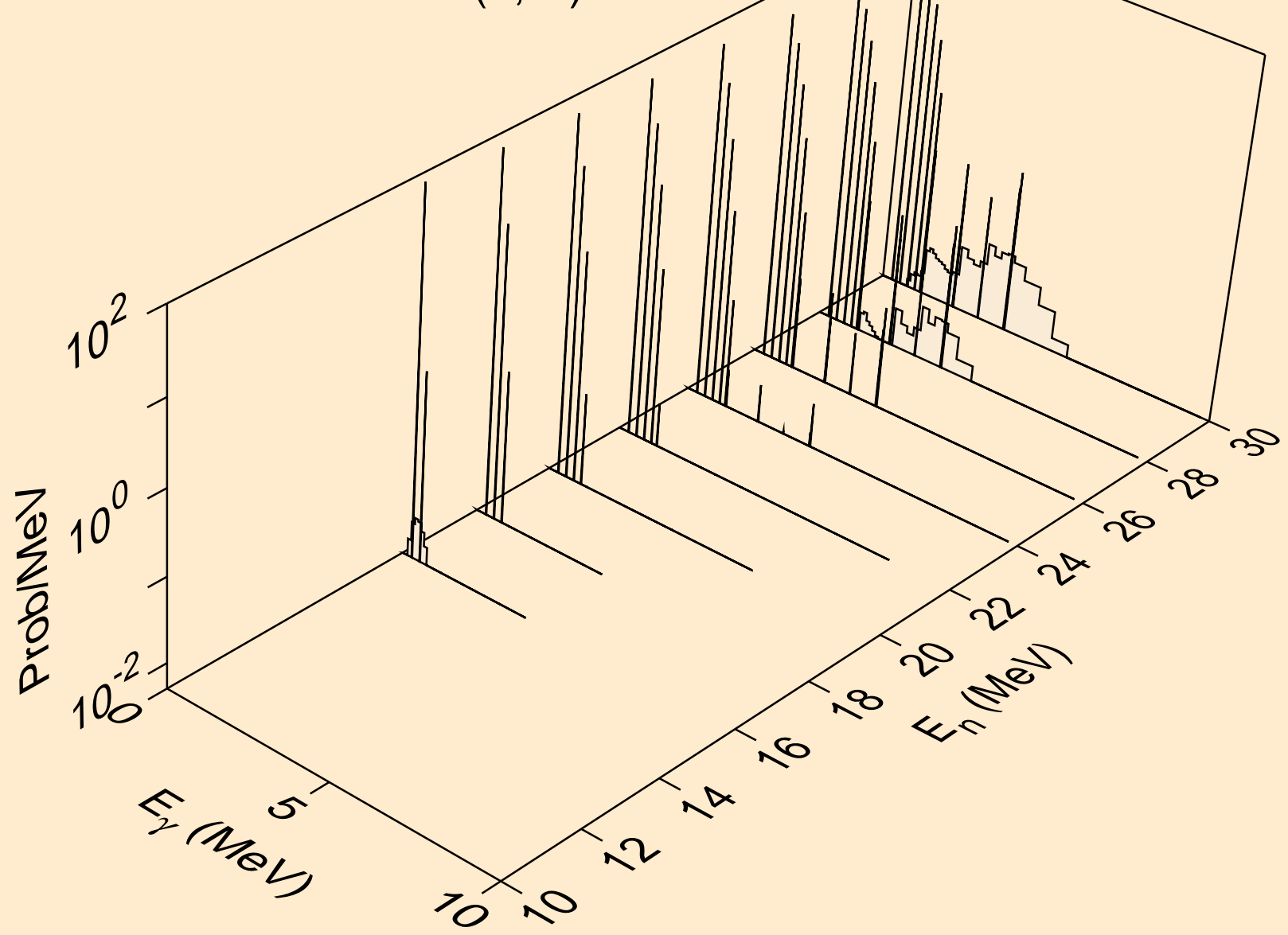
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



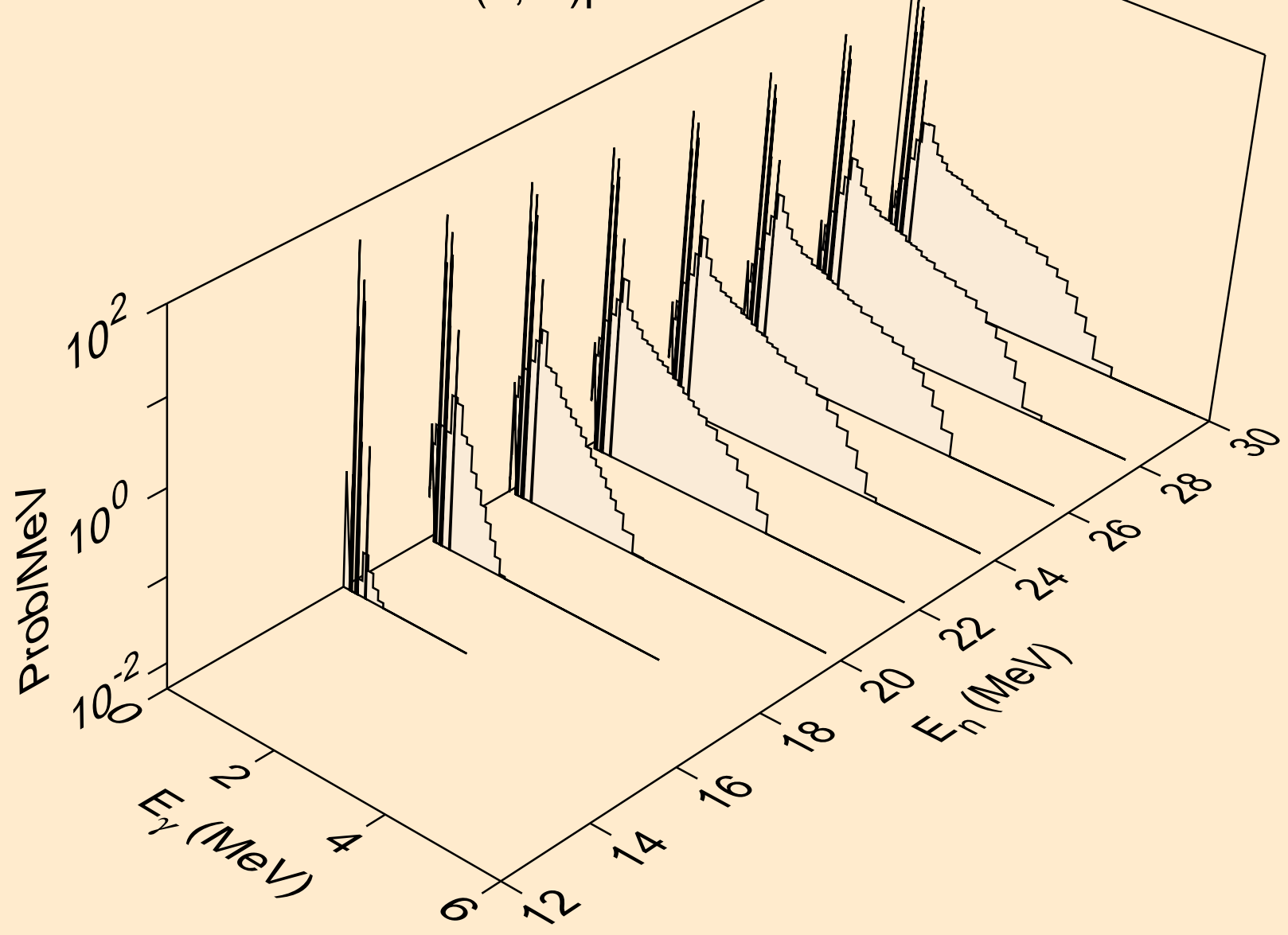
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



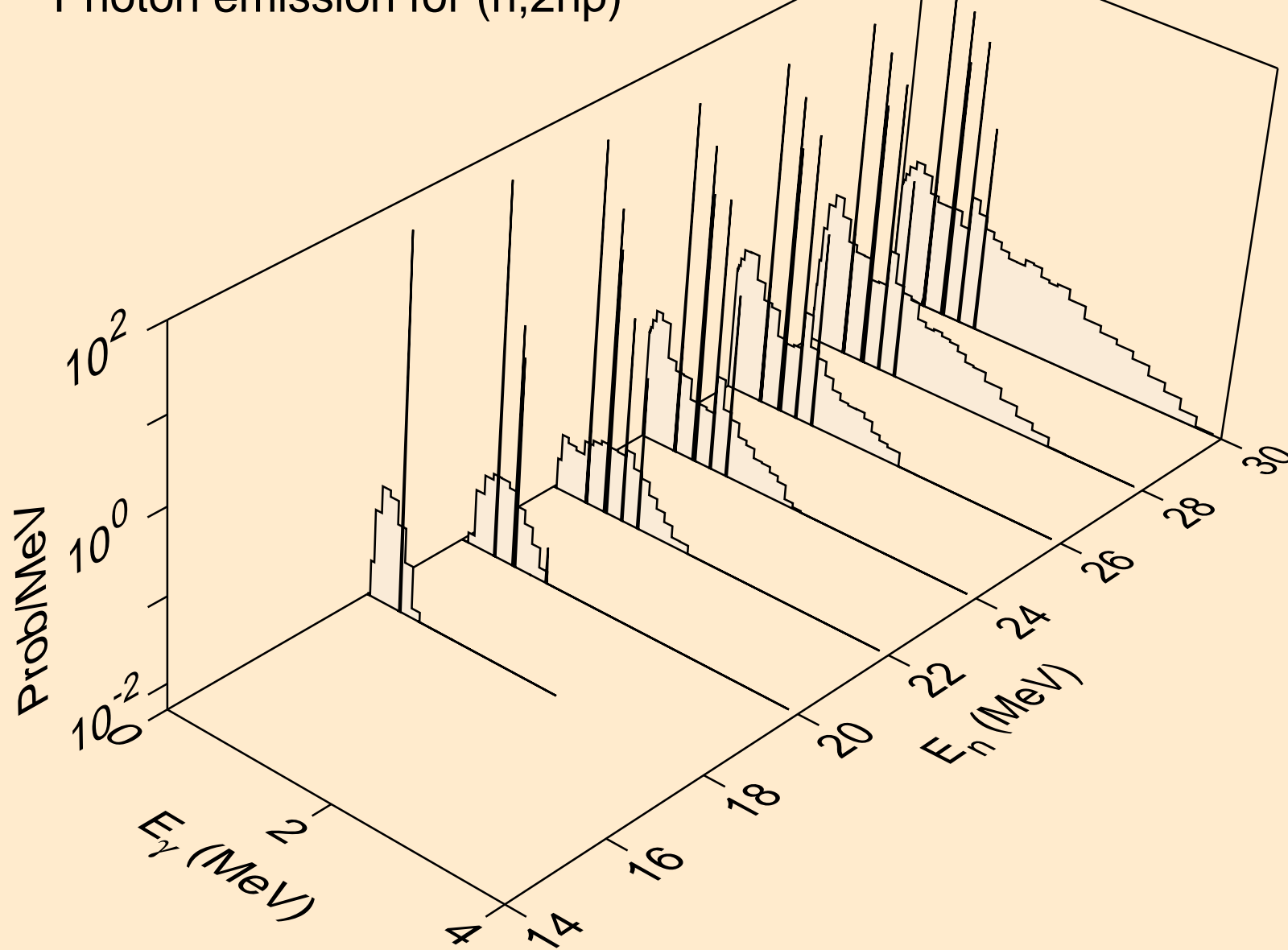
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



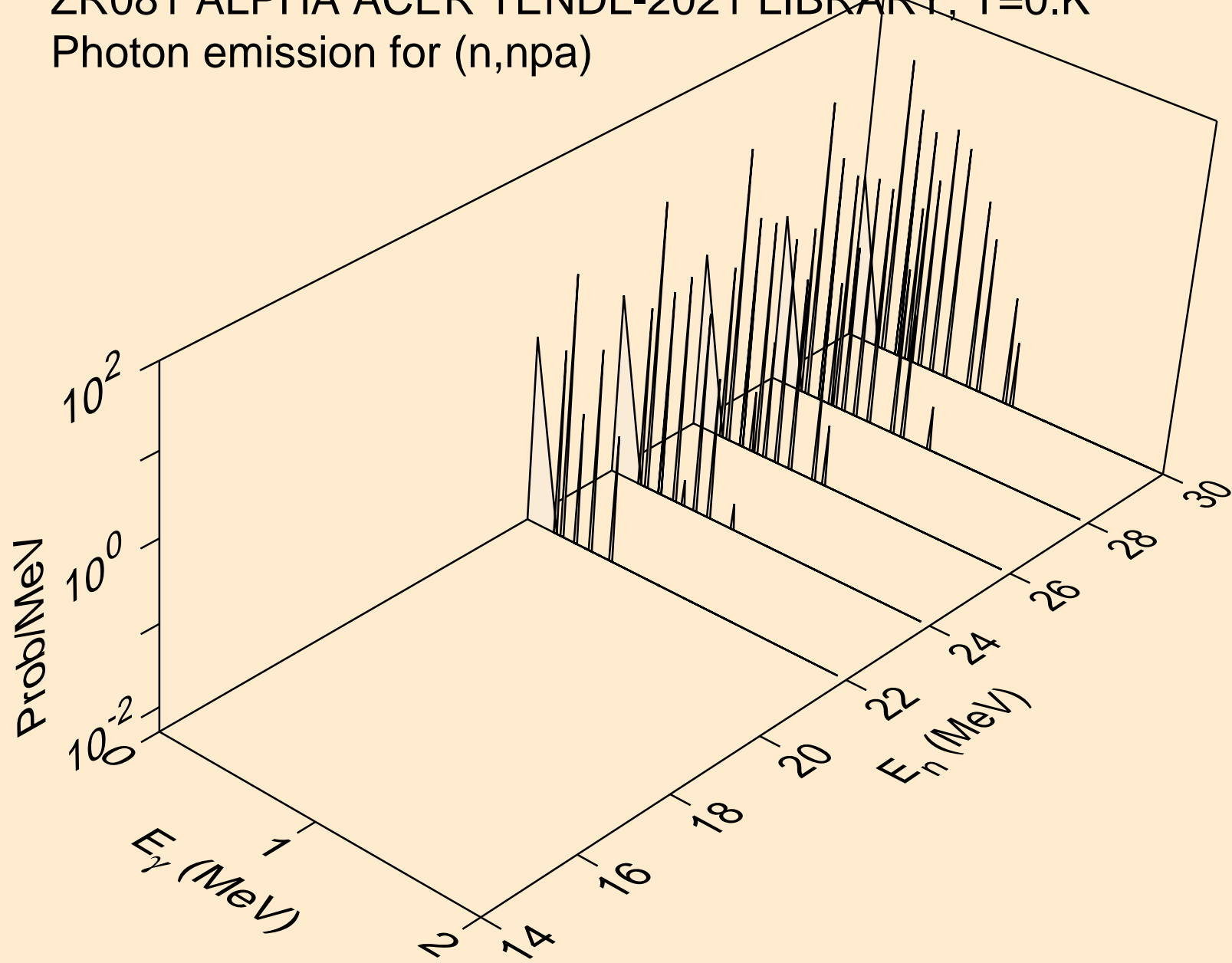
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



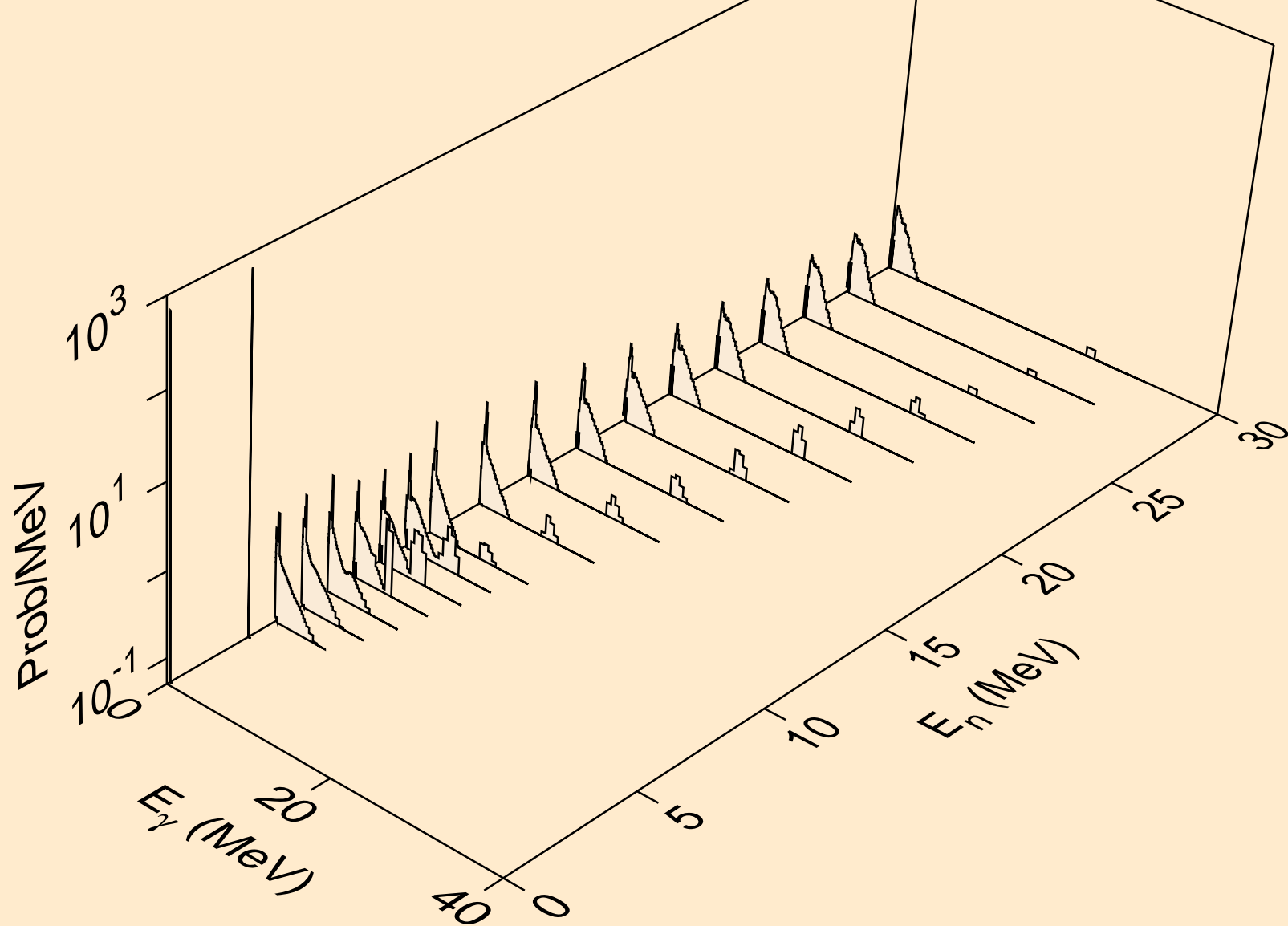
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Photon emission for (n,2np)



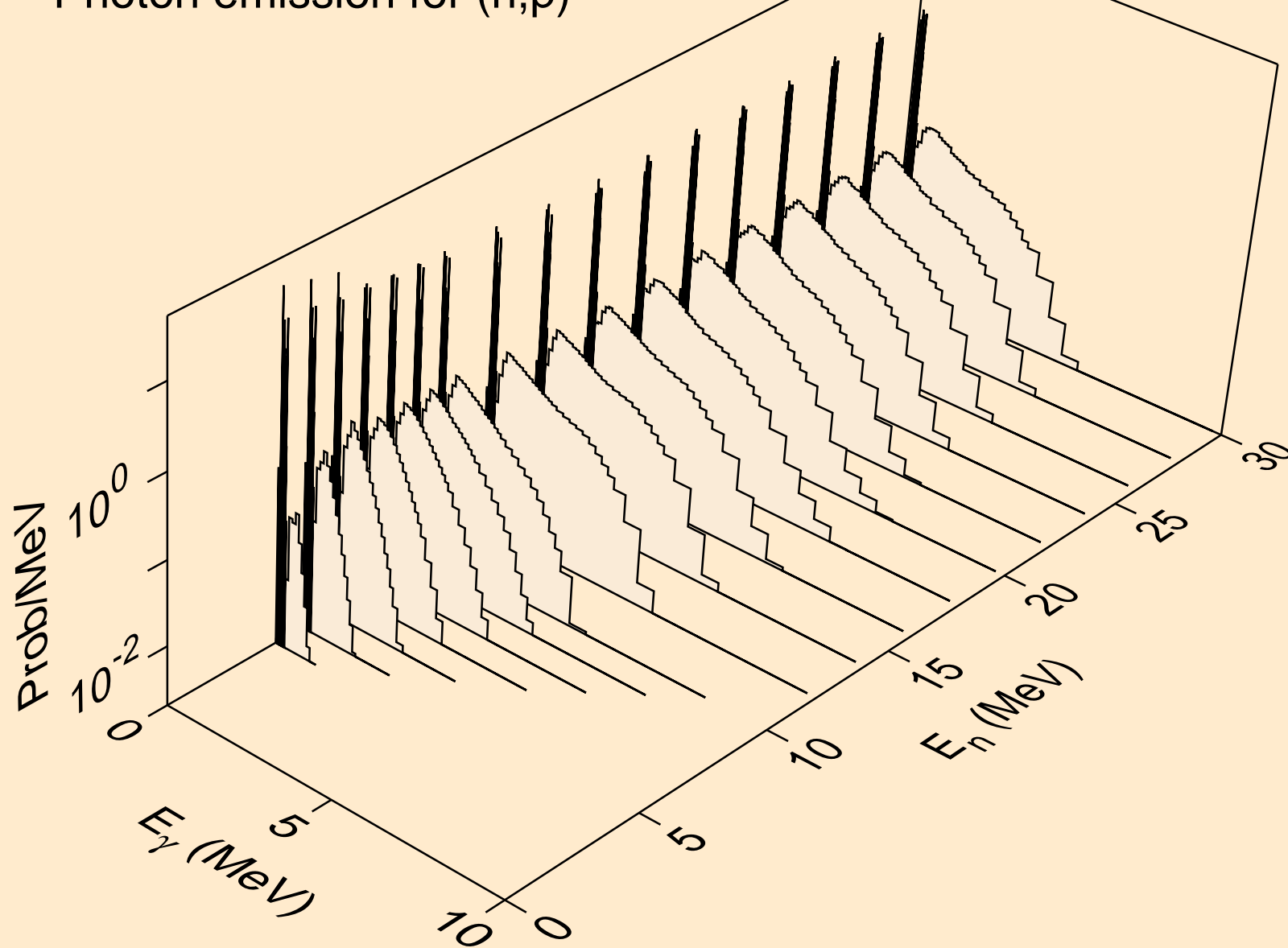
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

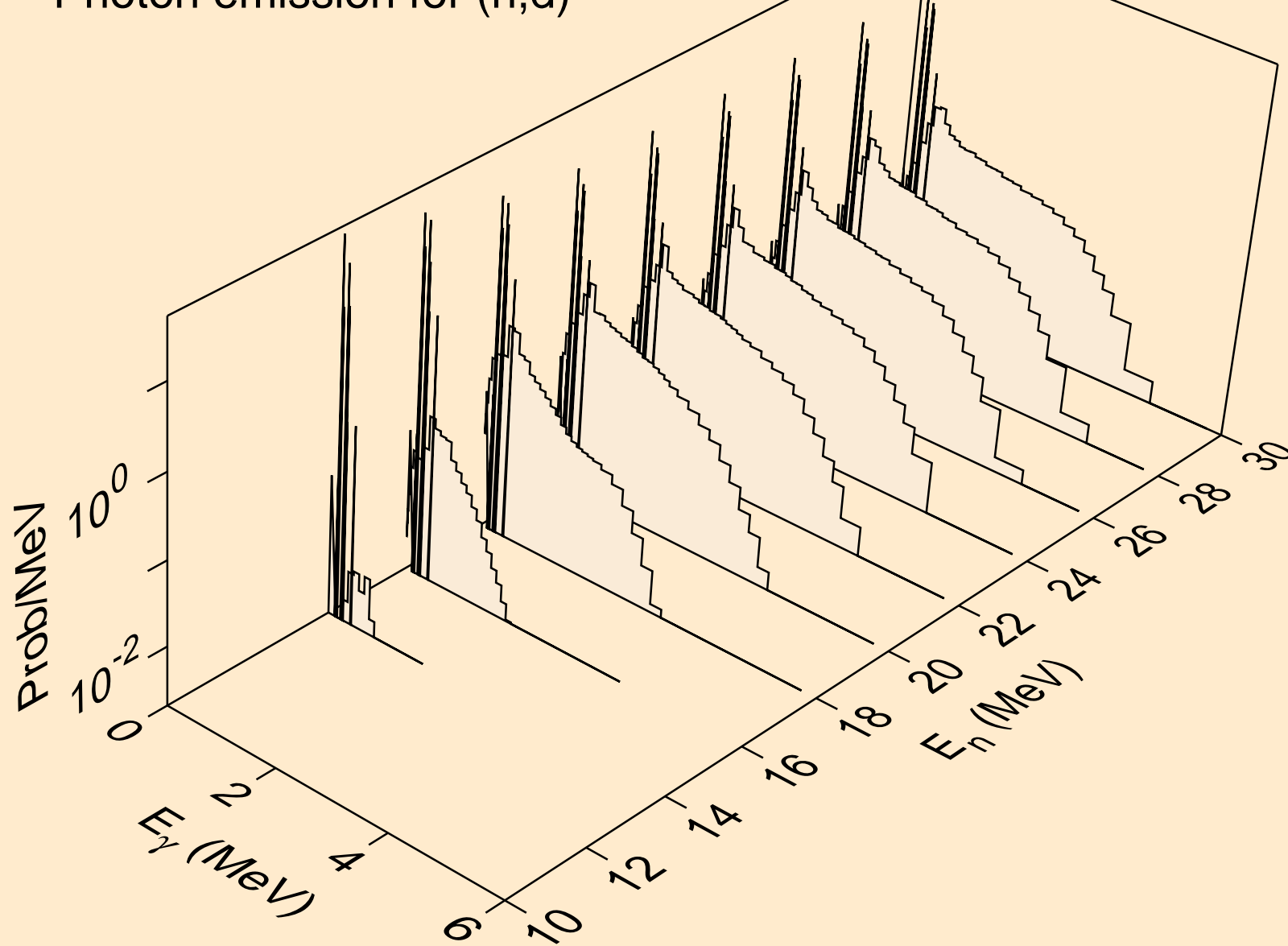


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Photon emission for (n,p)

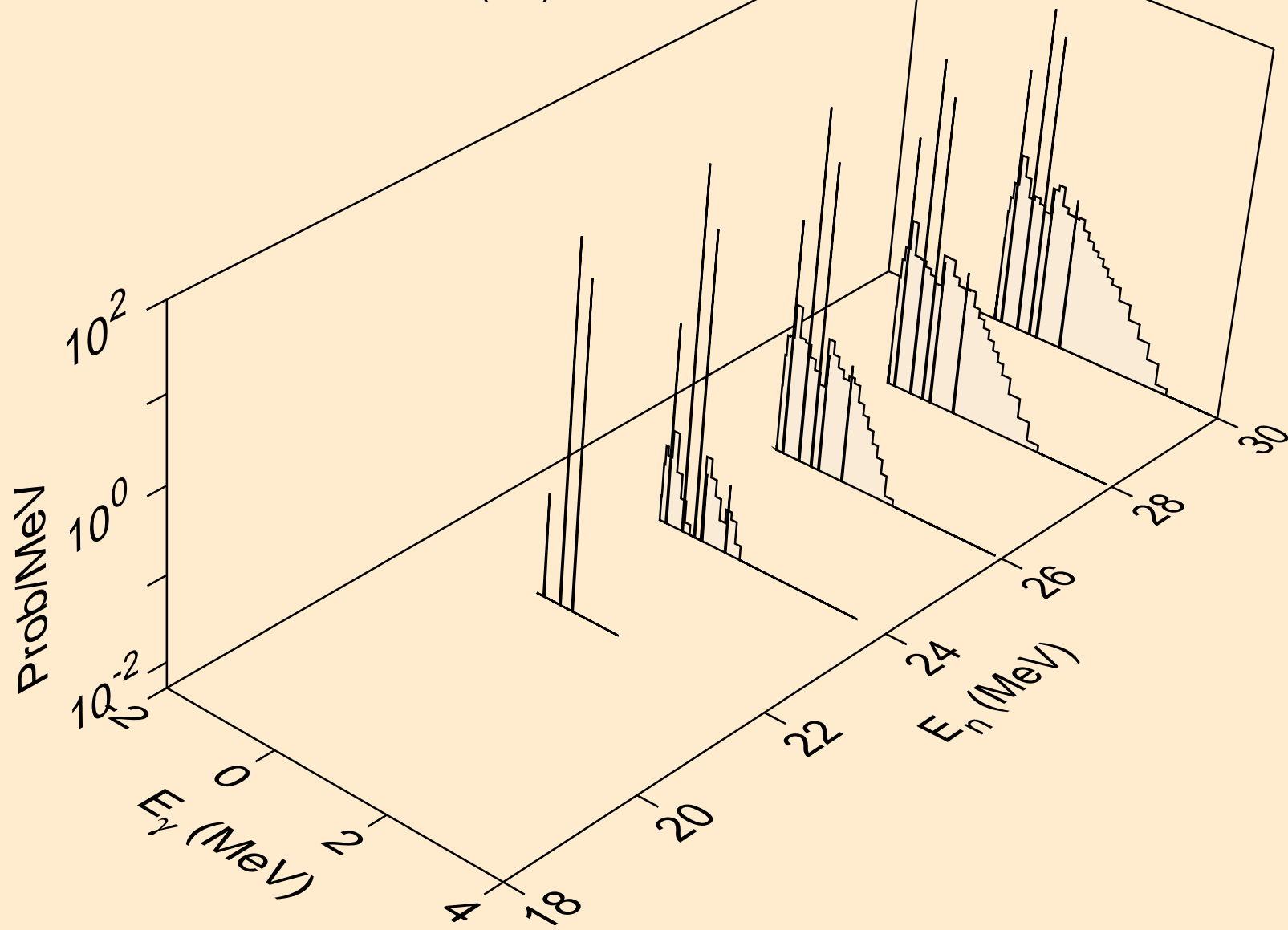




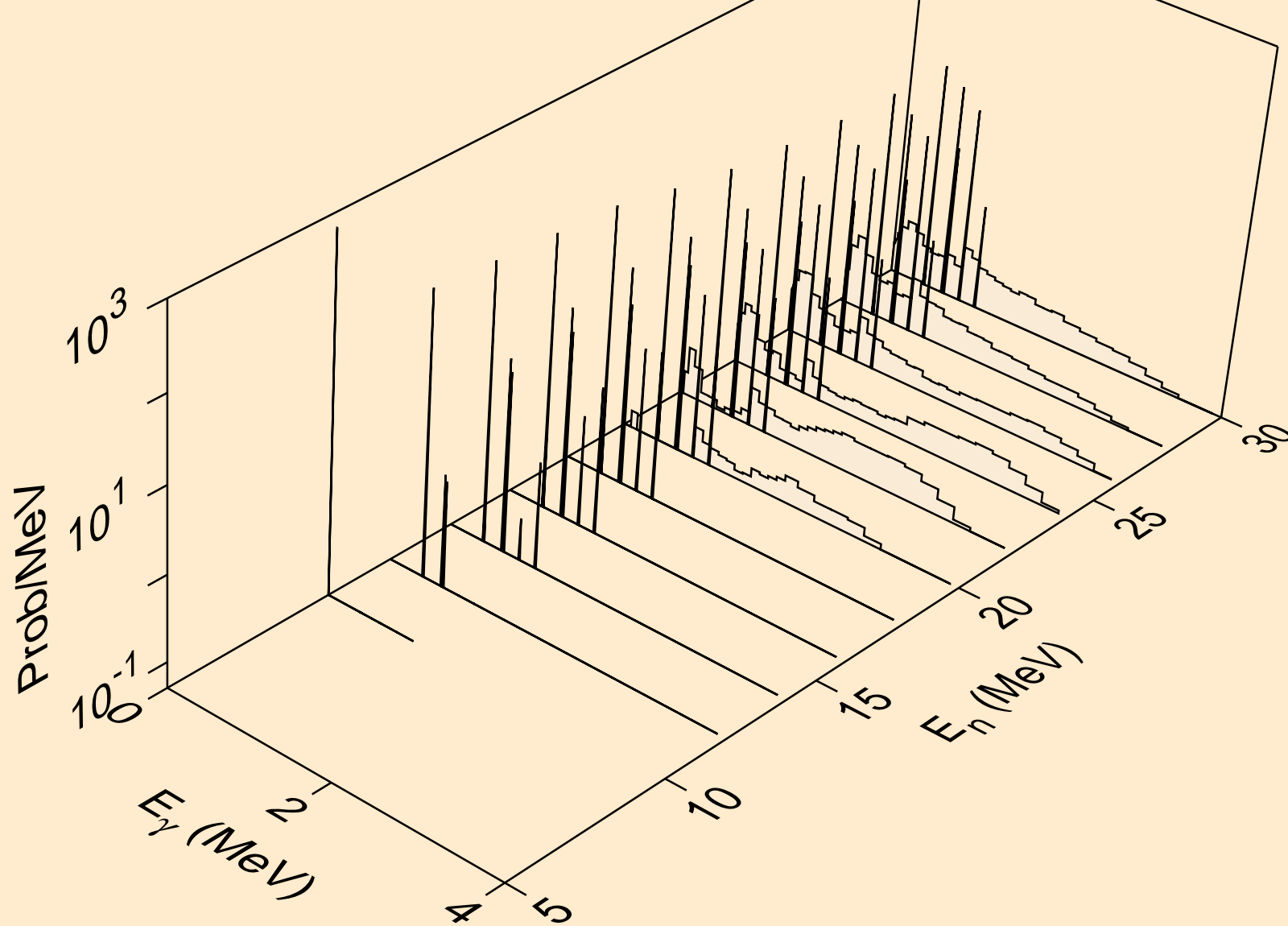
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Photon emission for (n,d)



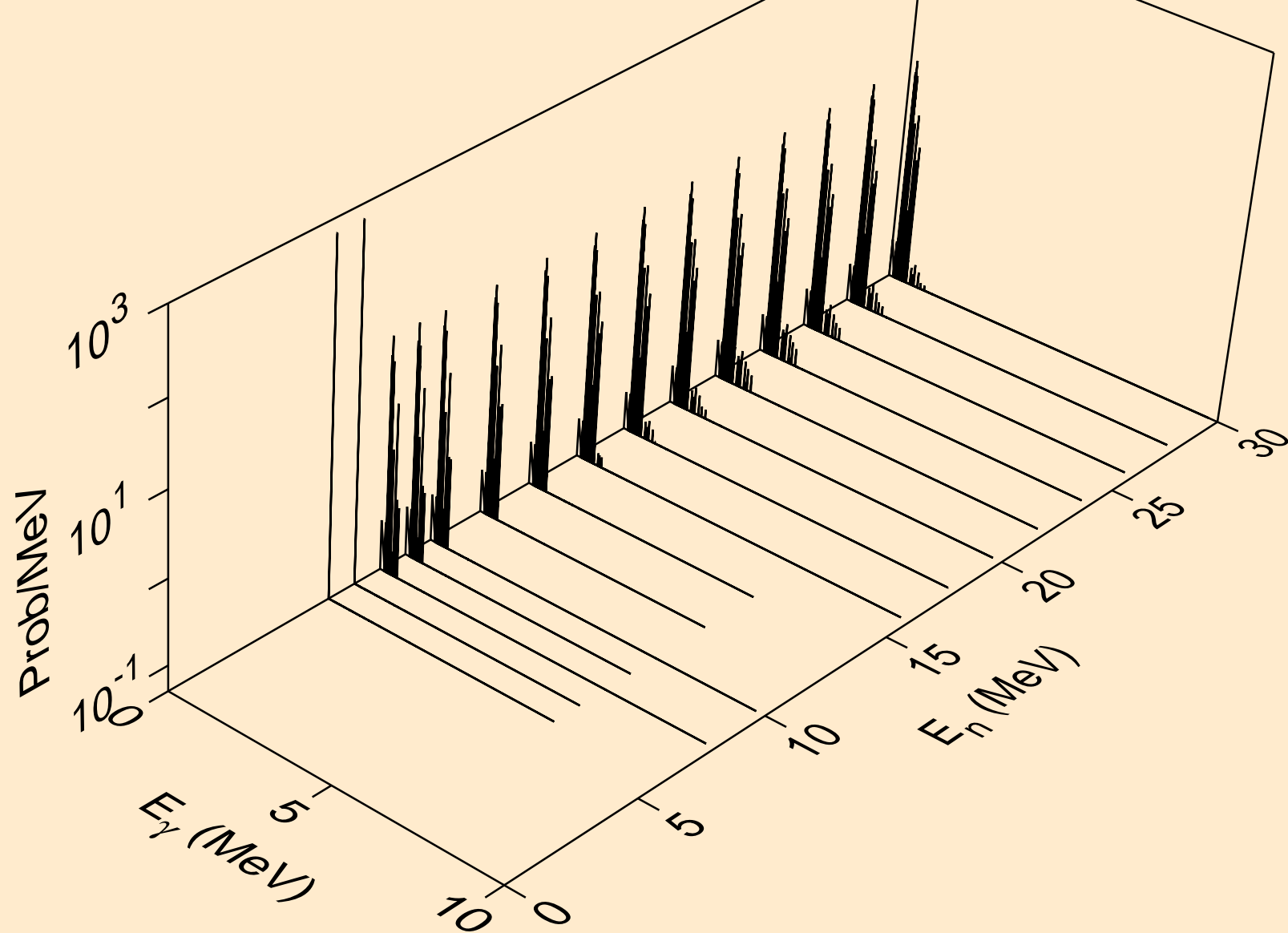
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Photon emission for (n,t)



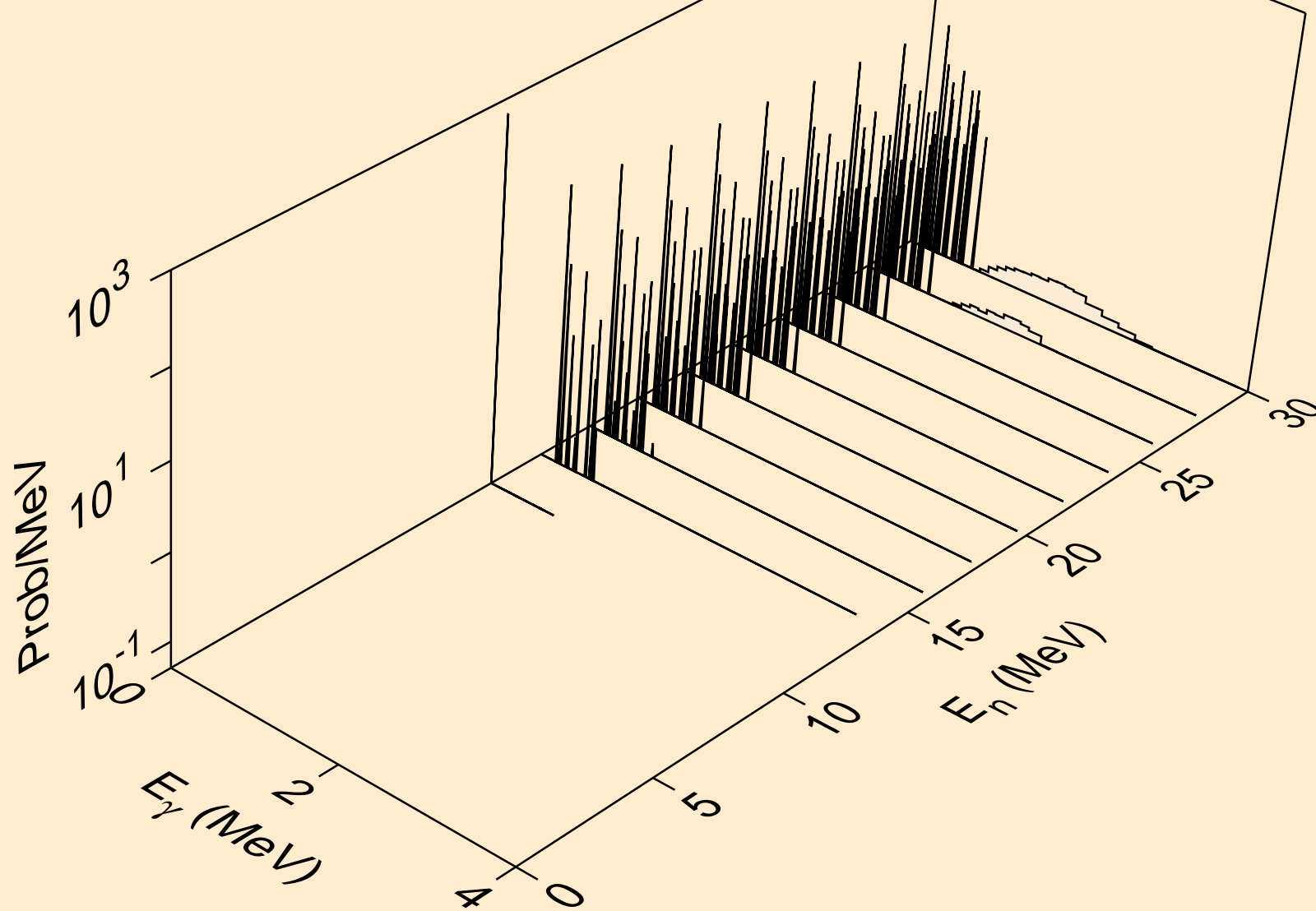
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Photon emission for (n,he3)



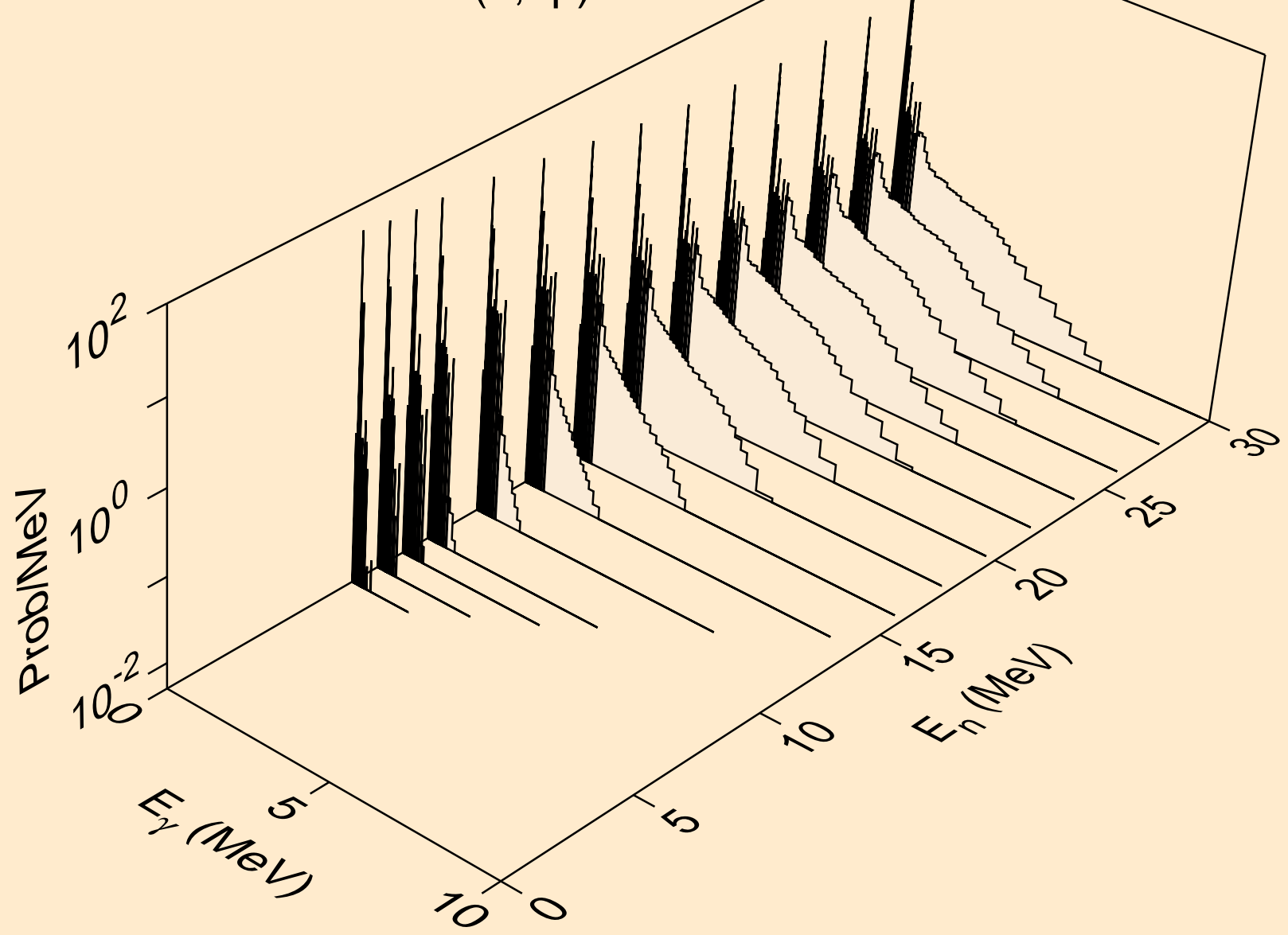
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



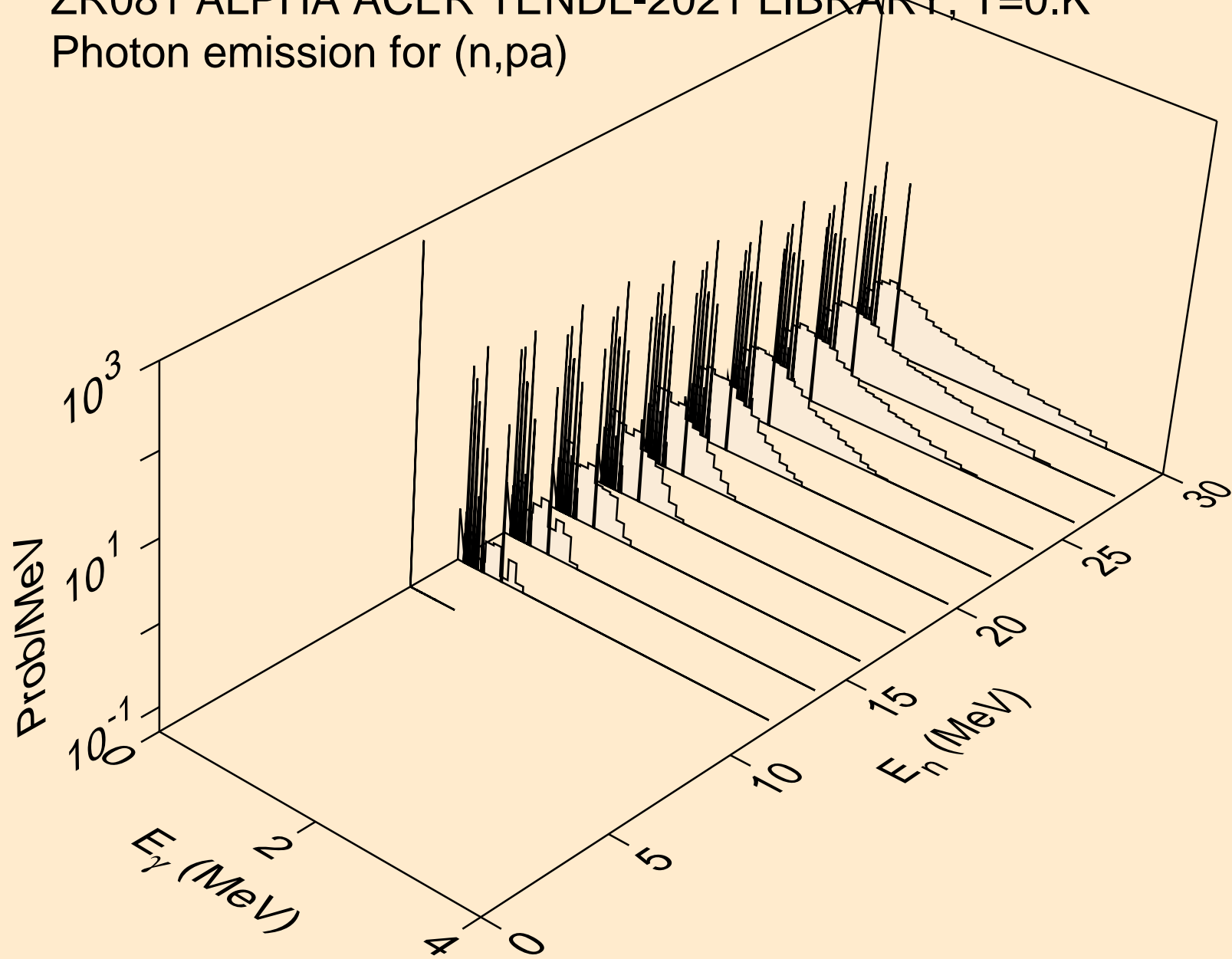
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Photon emission for (n,2a)



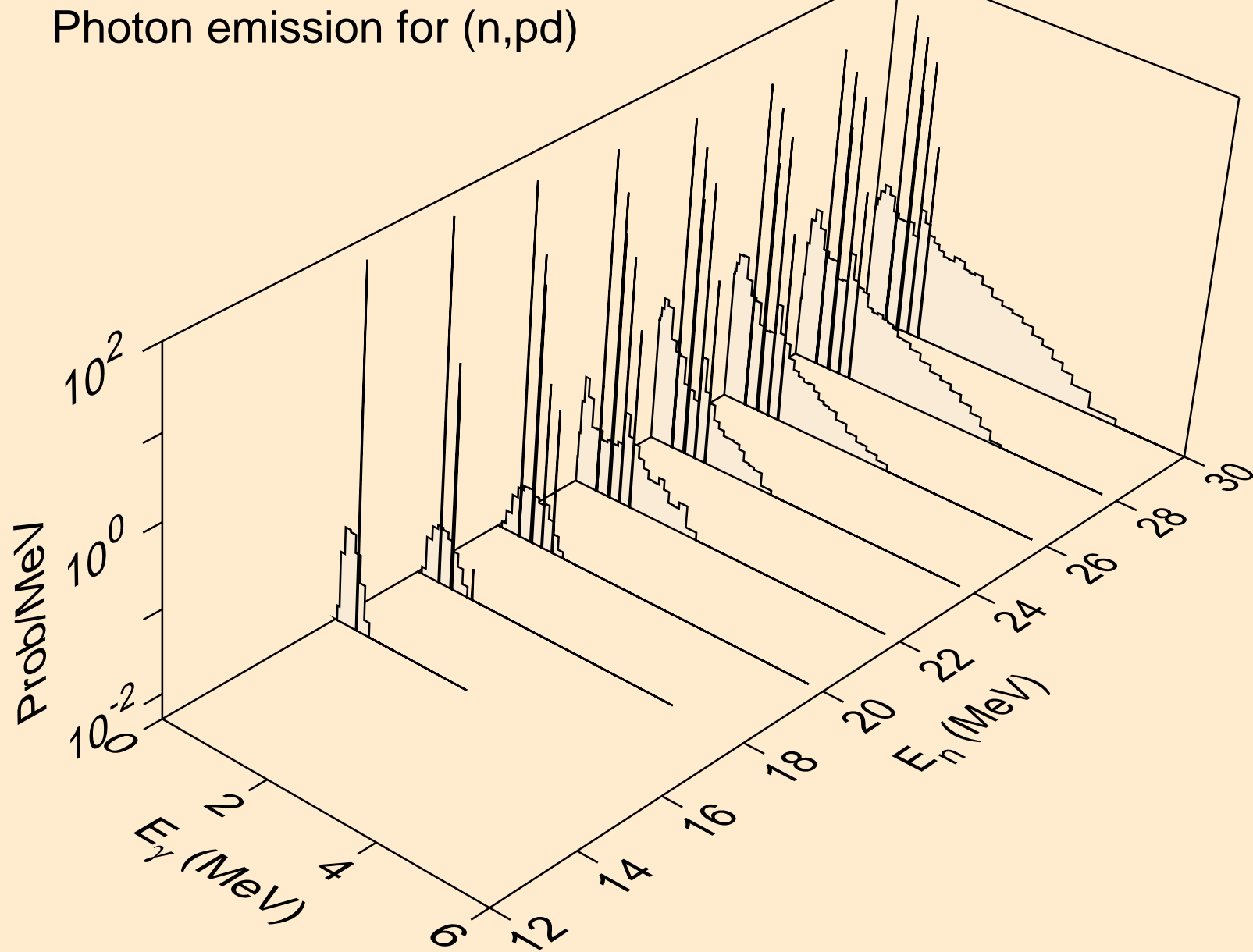
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Photon emission for (n,2p)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

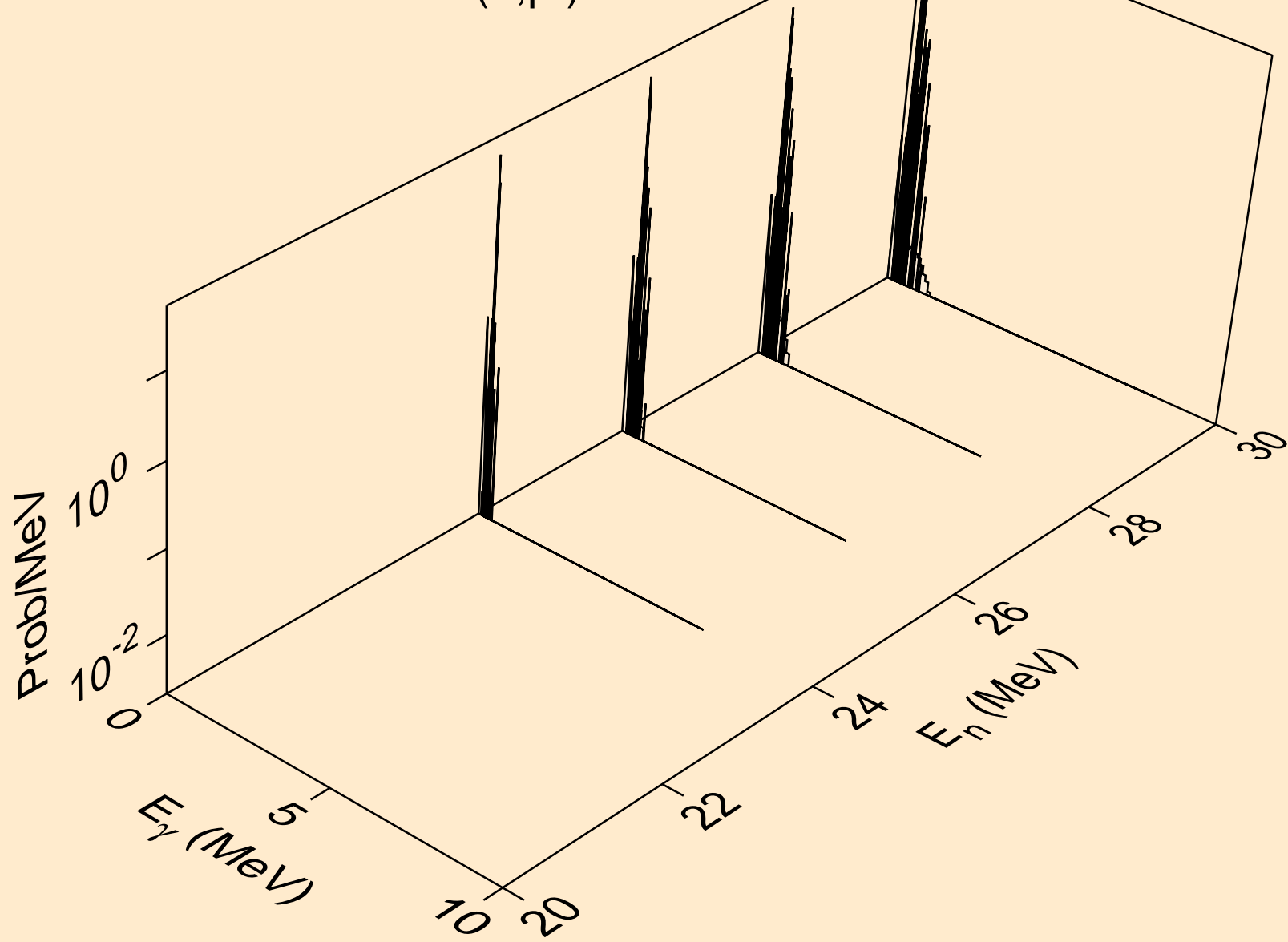


ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

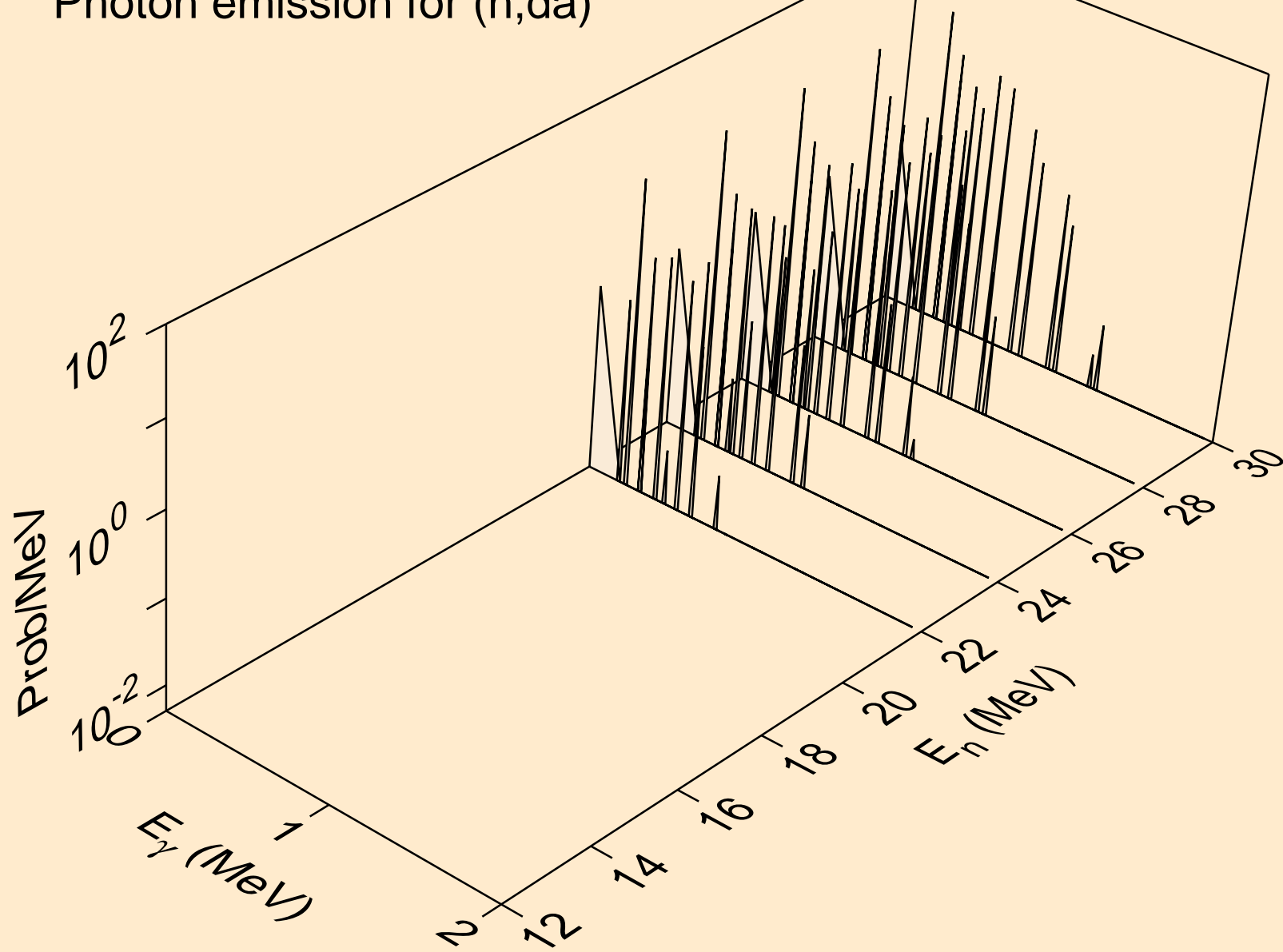




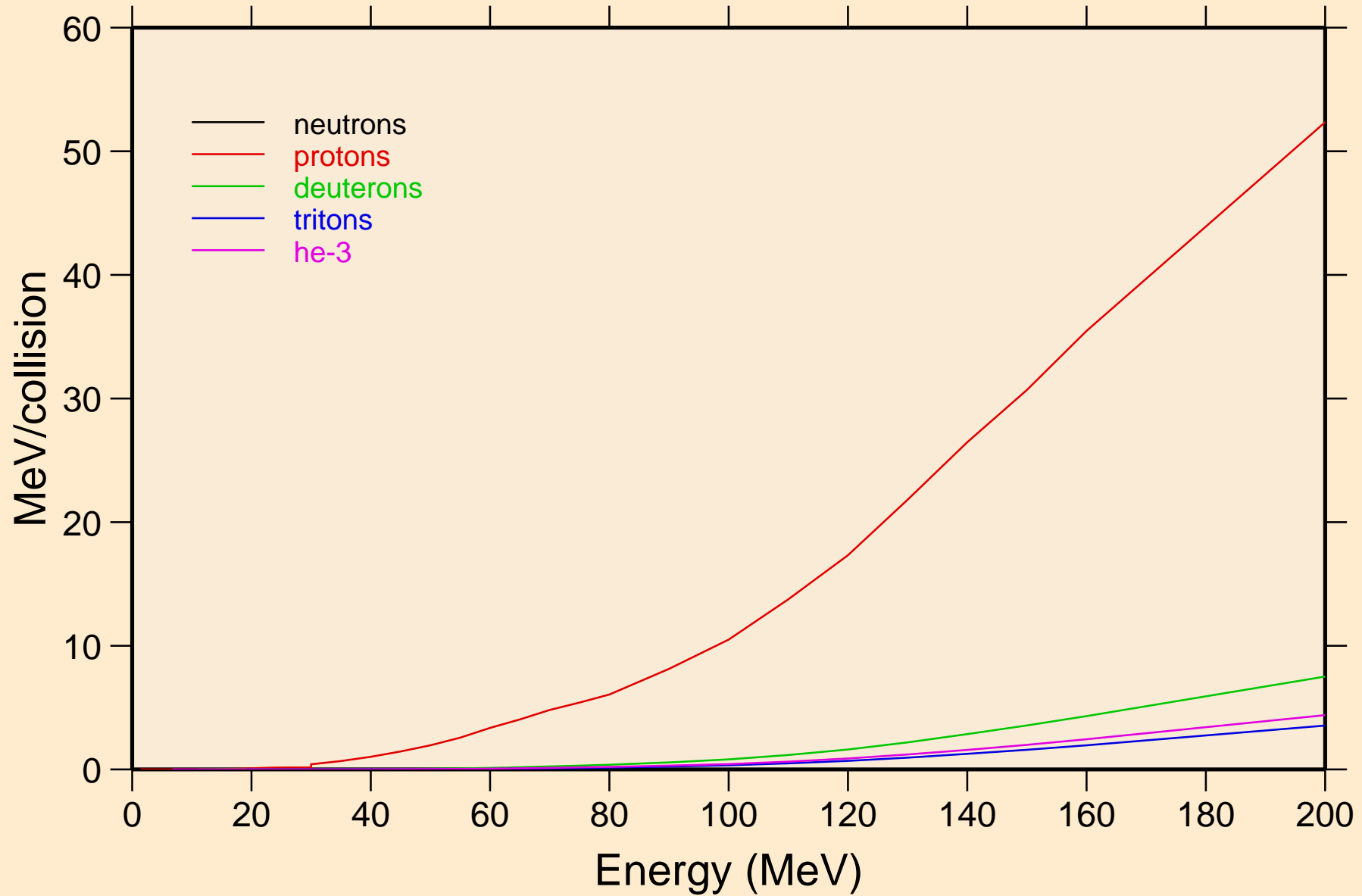
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Photon emission for (n,pt)



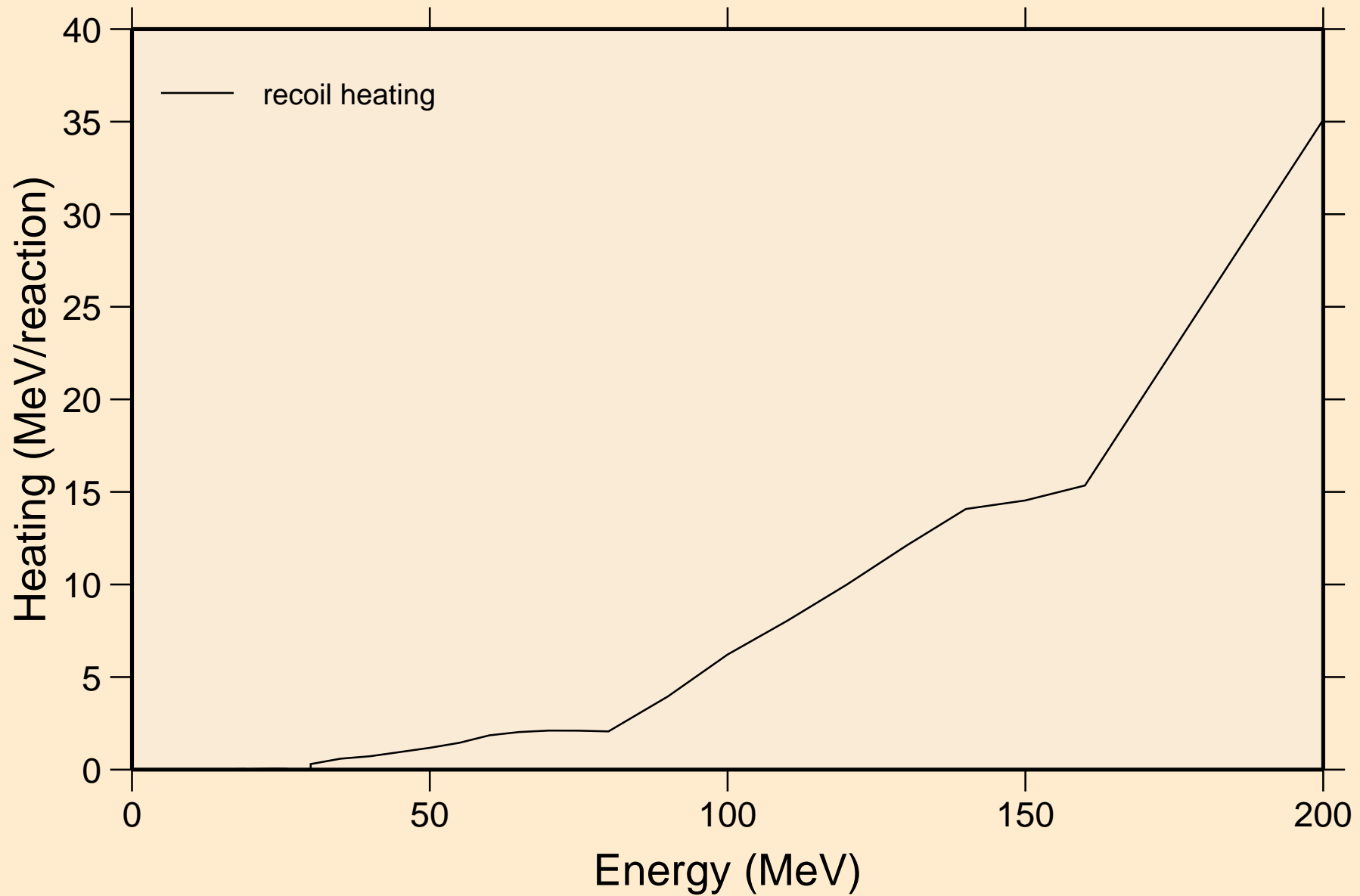
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Photon emission for (n,da)



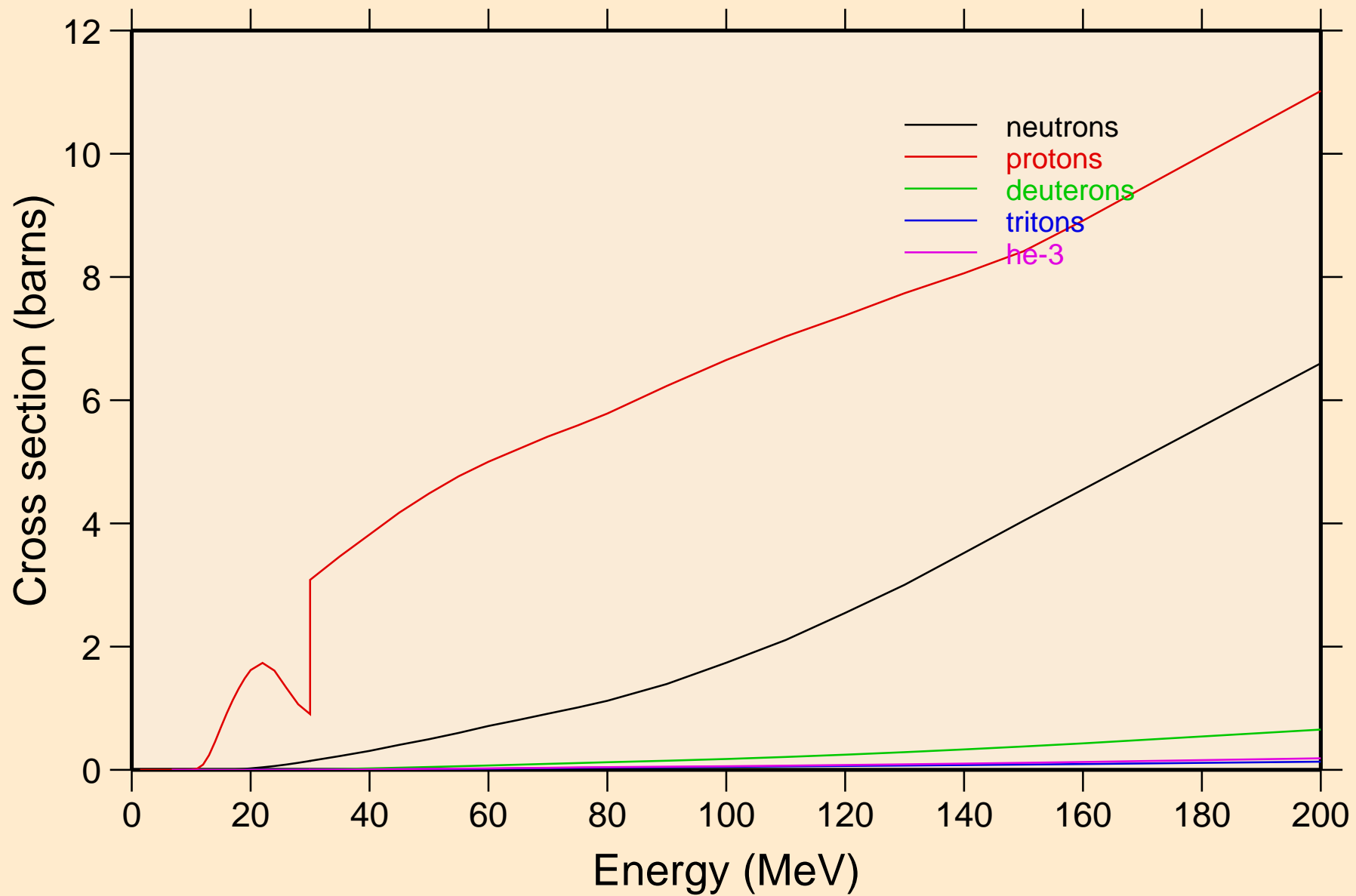
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Particle heating contributions



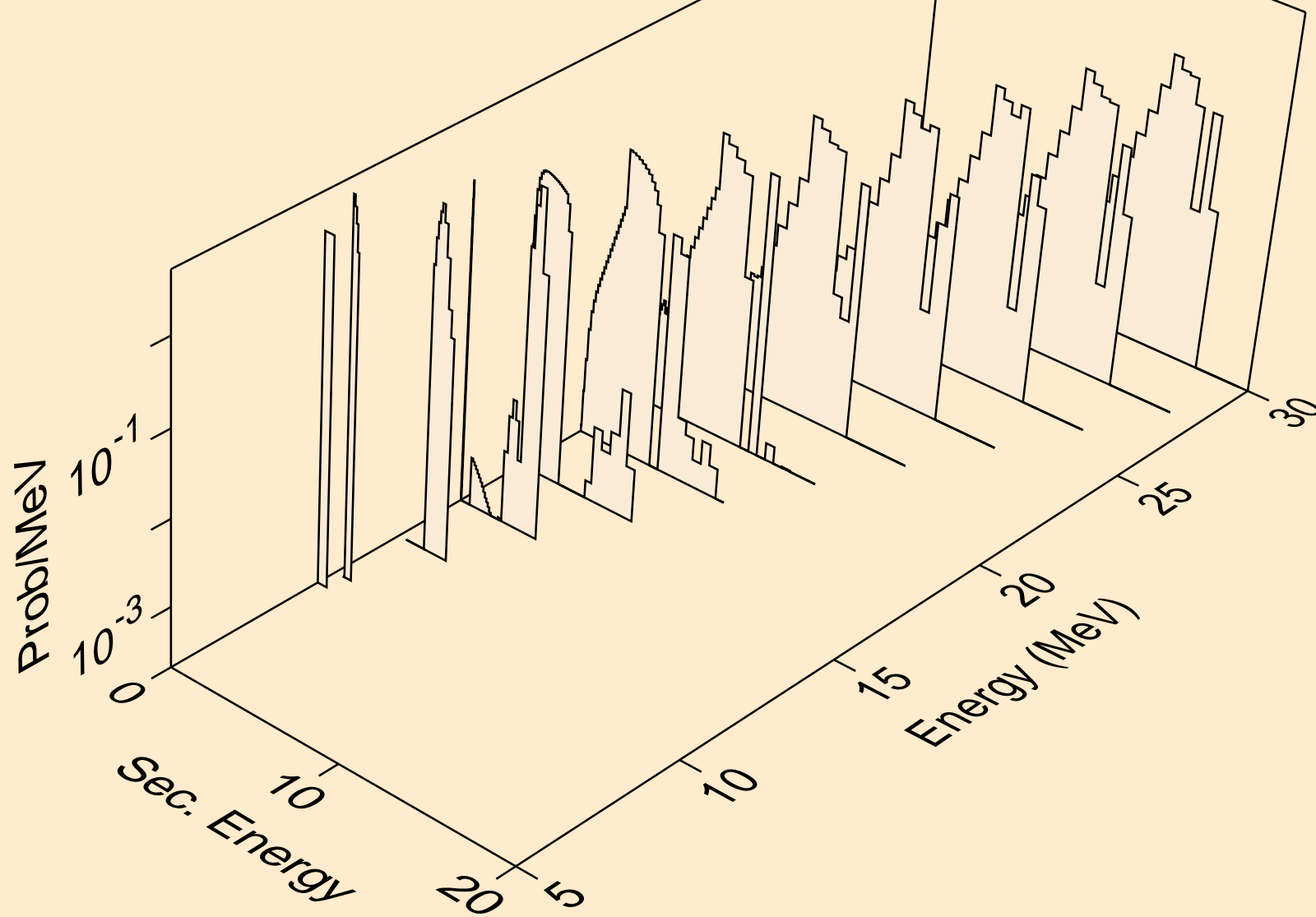
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Recoil Heating



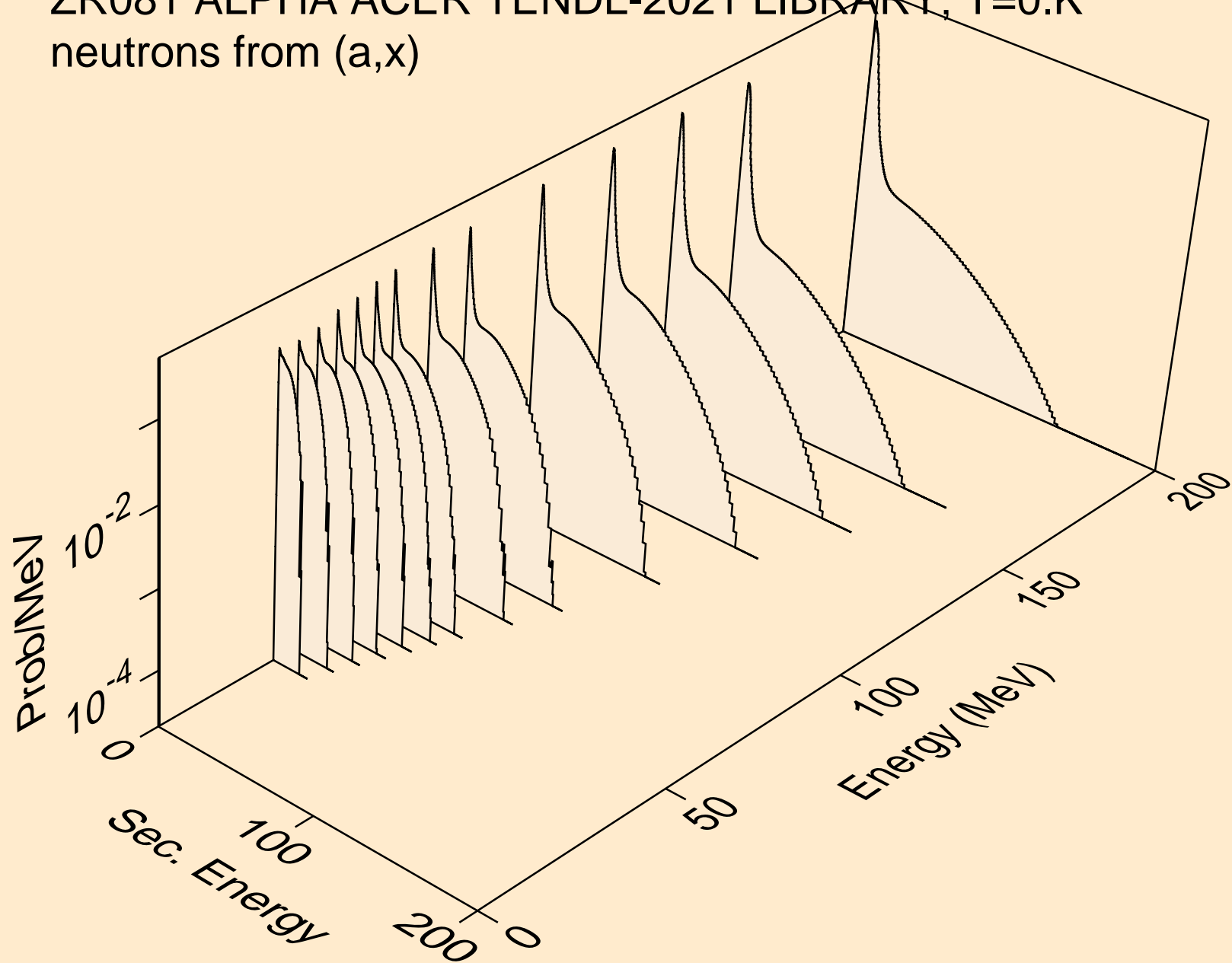
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



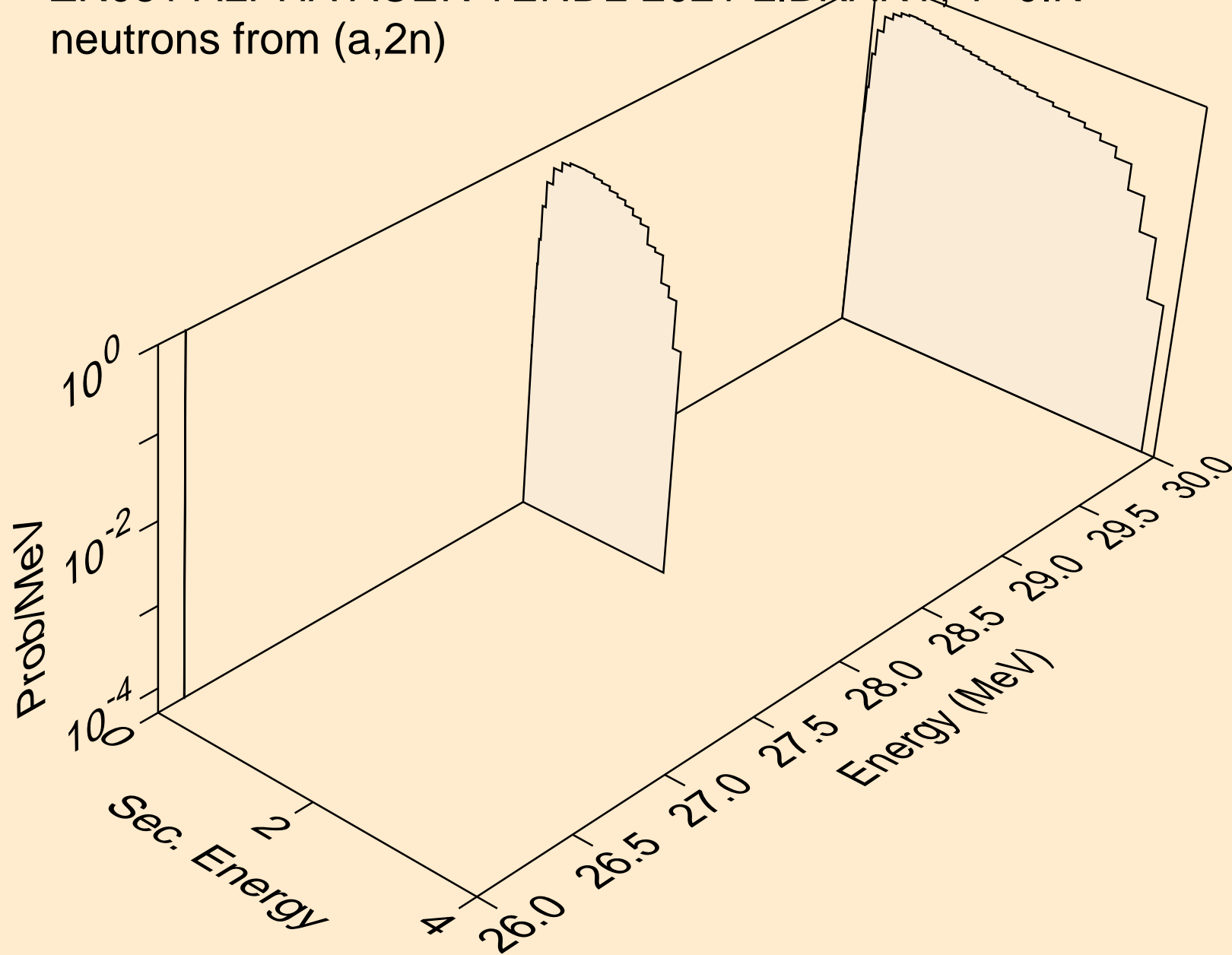
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)

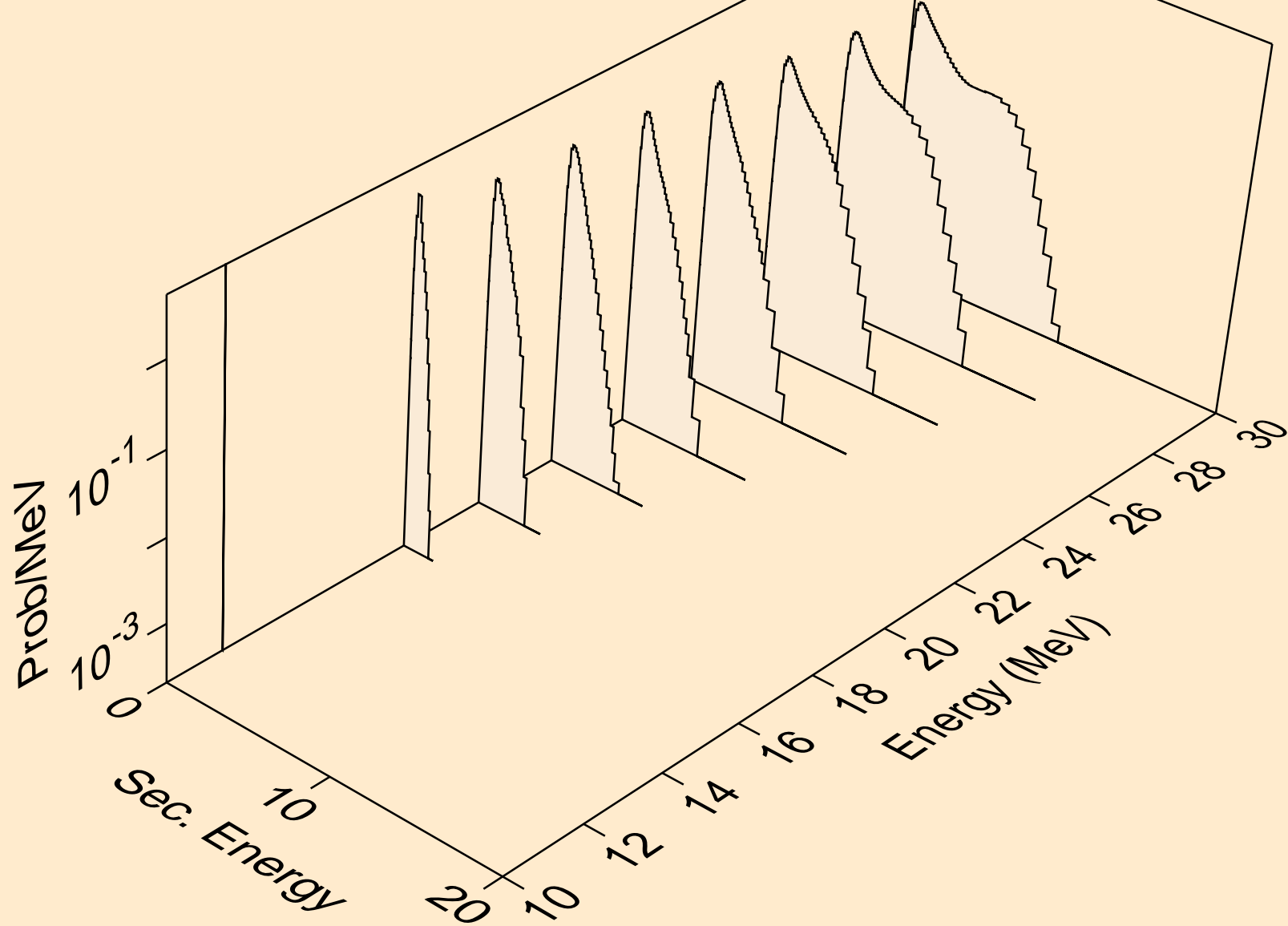


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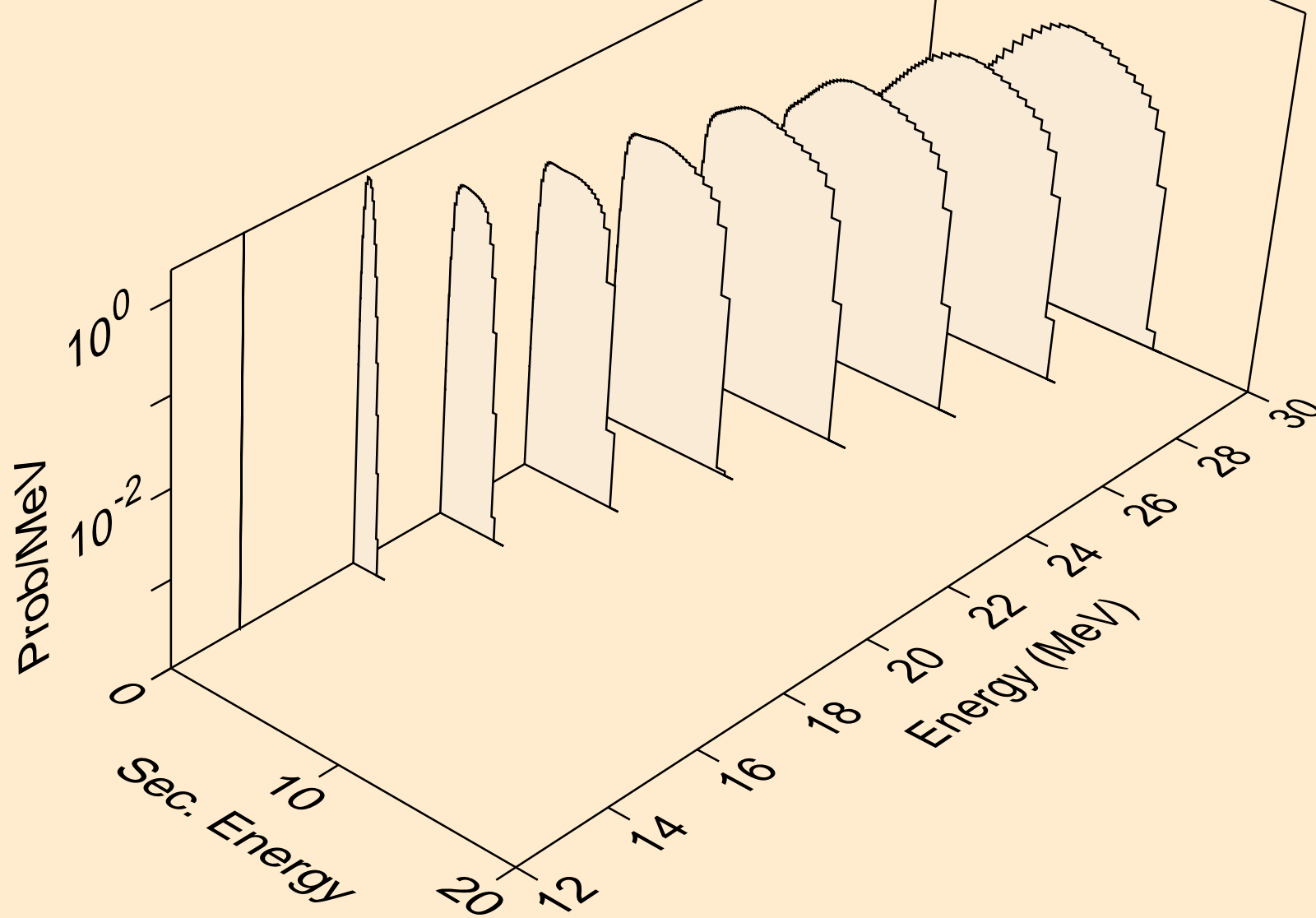




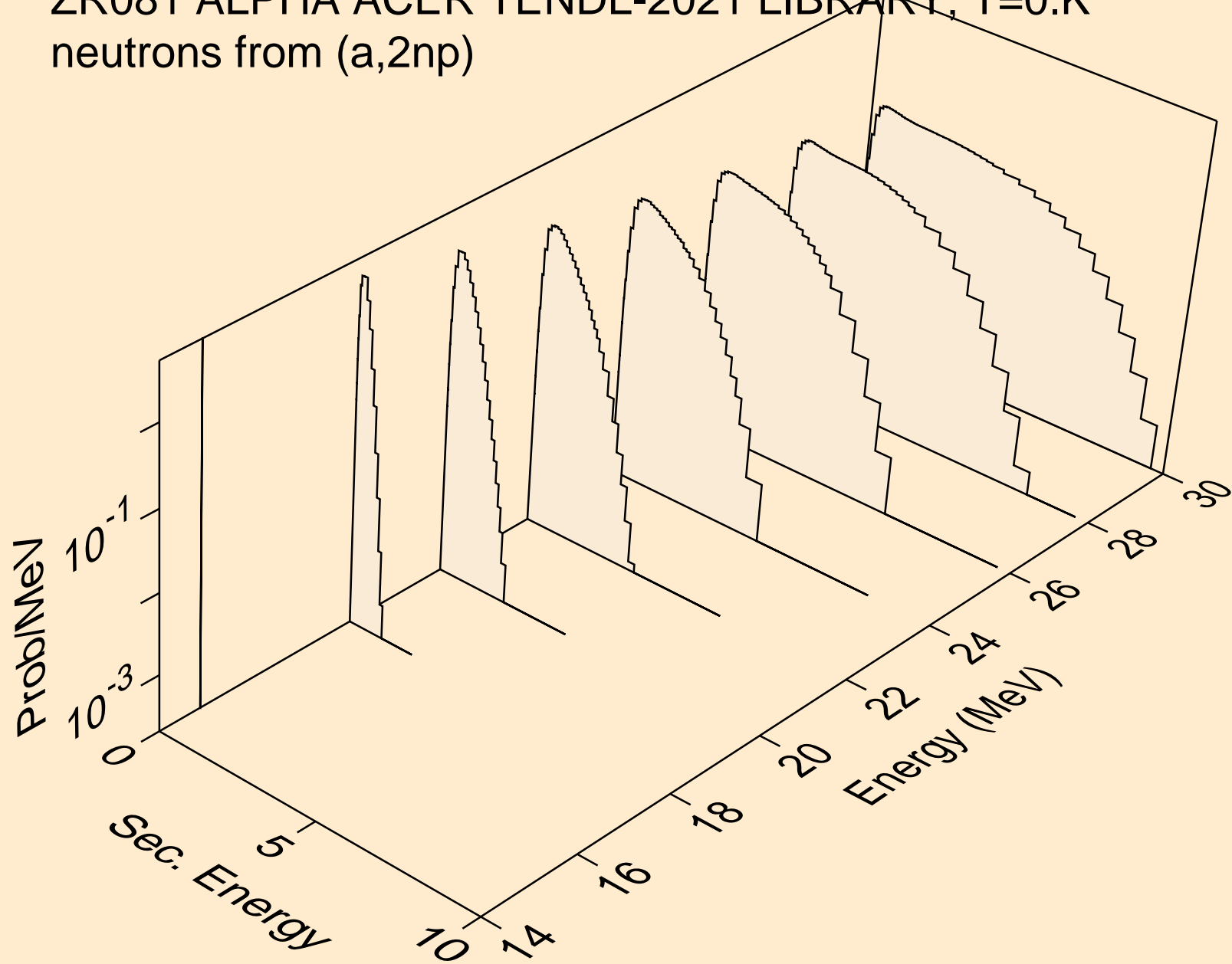
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



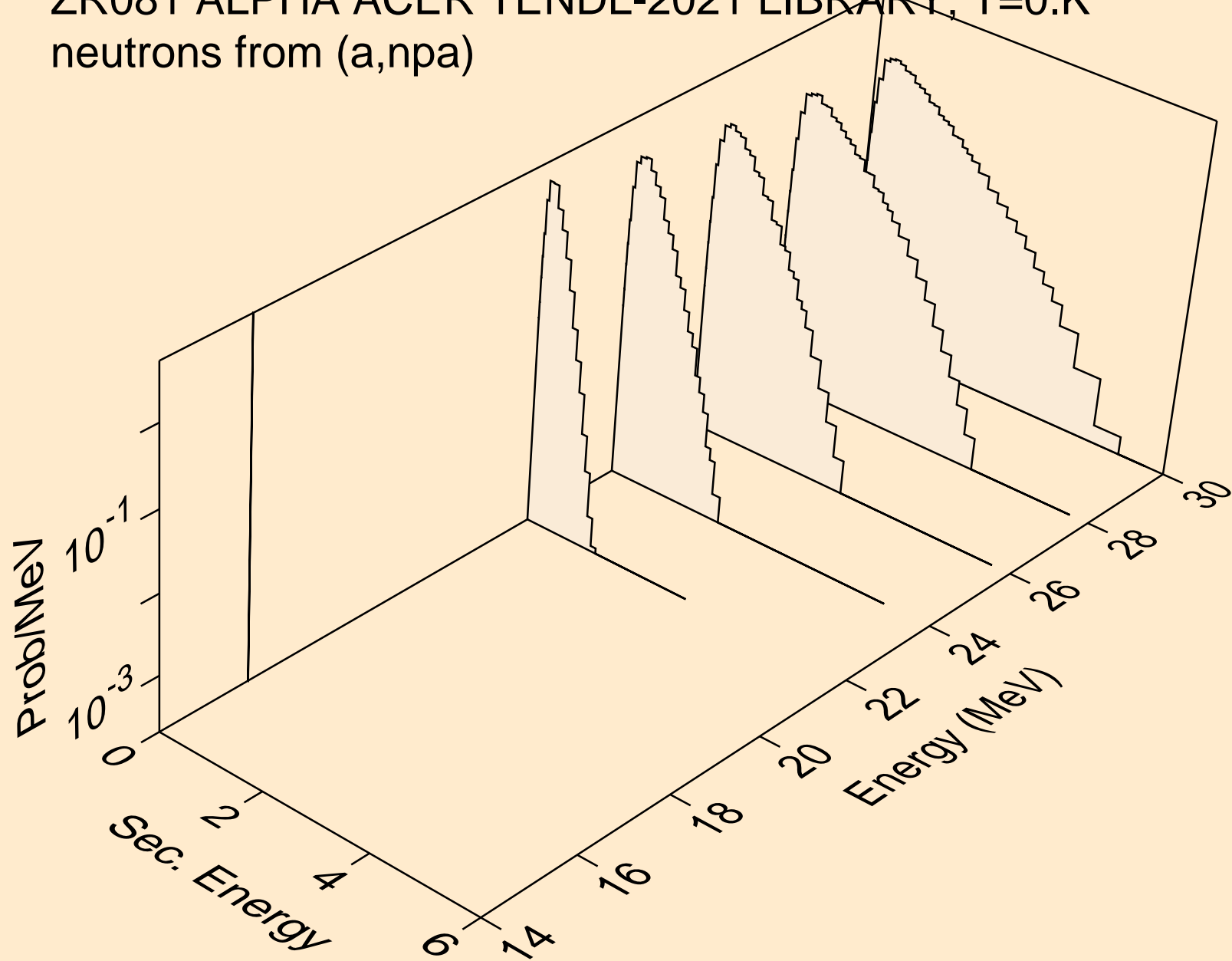
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neutrons from (a,n\*)p



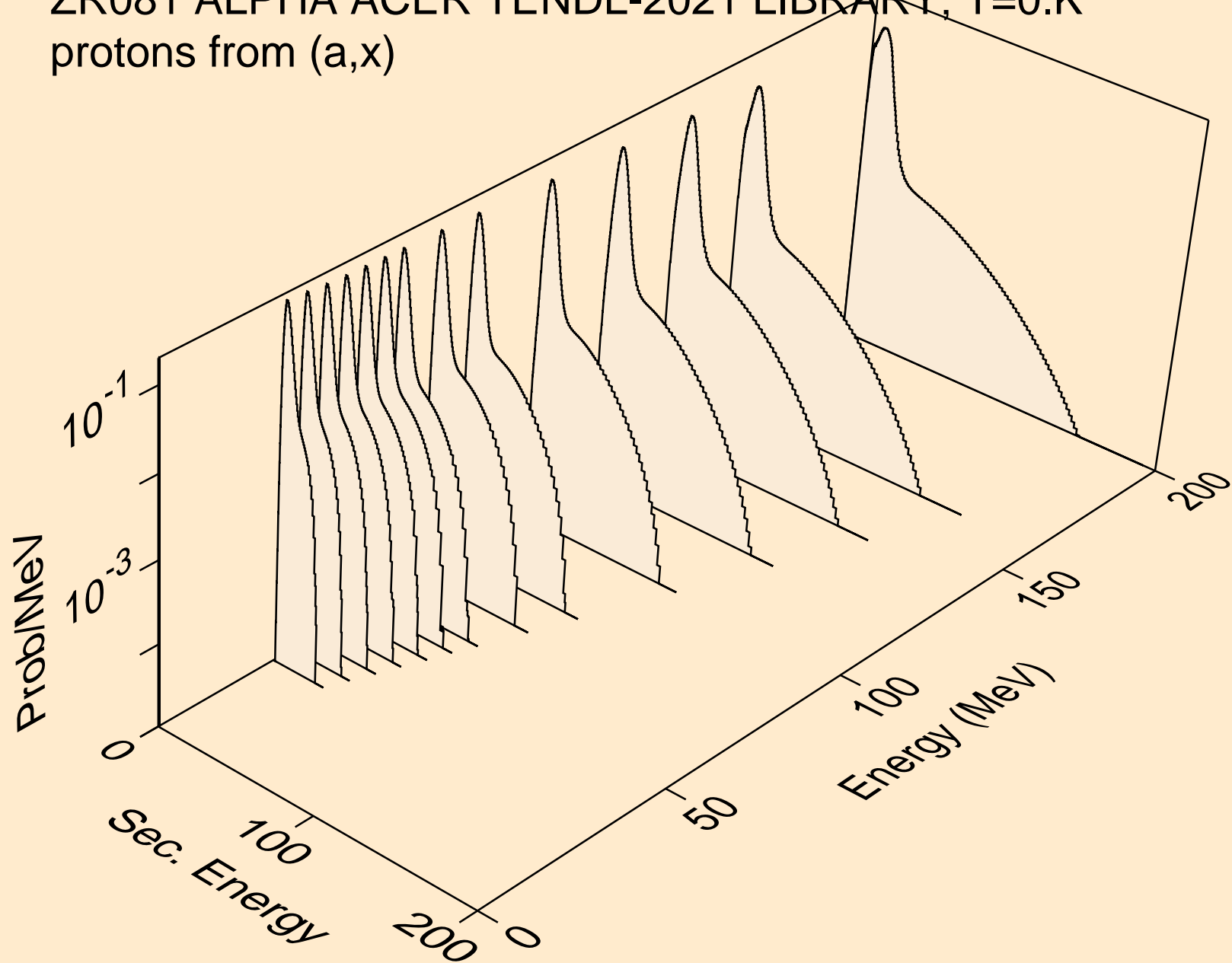
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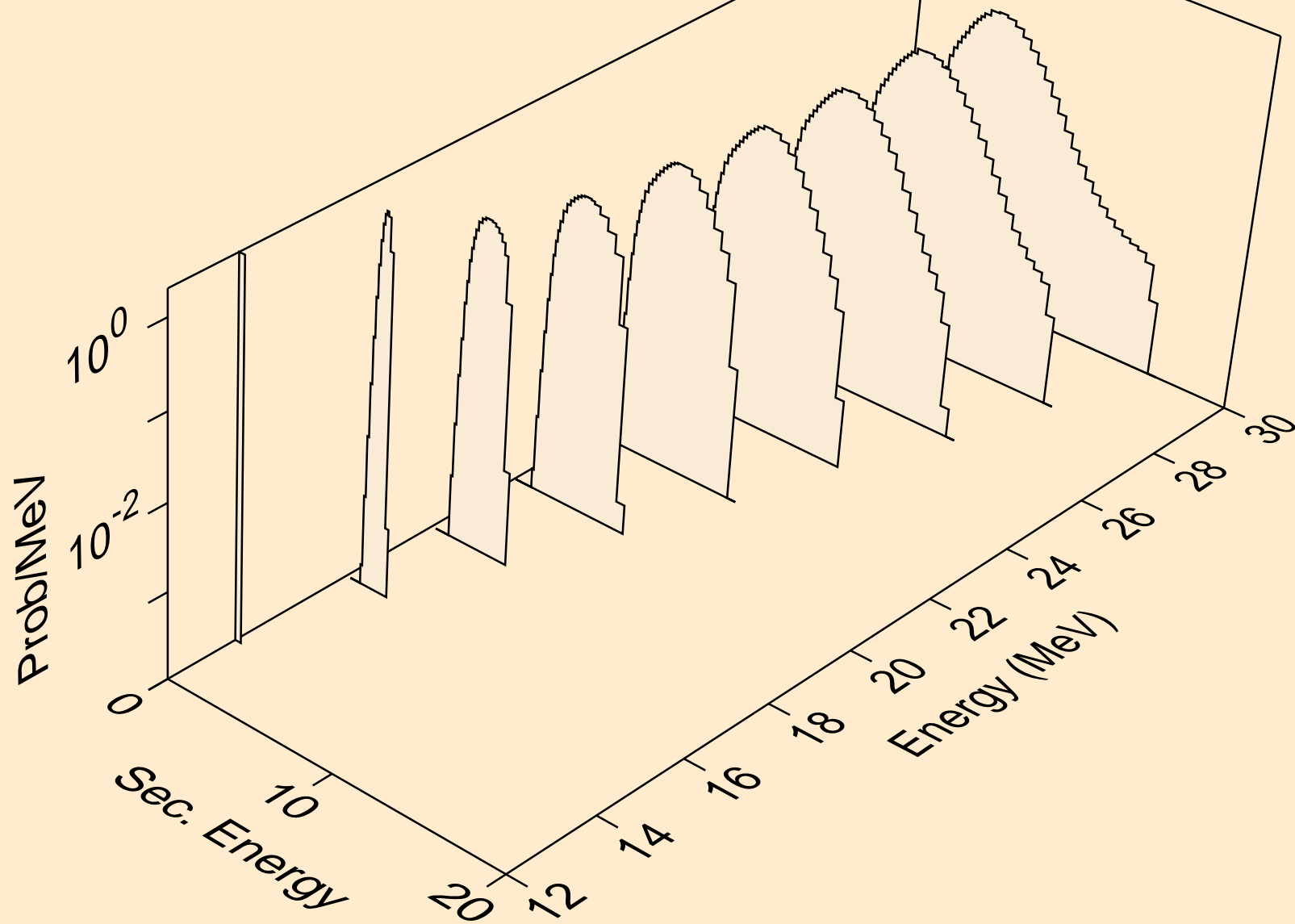
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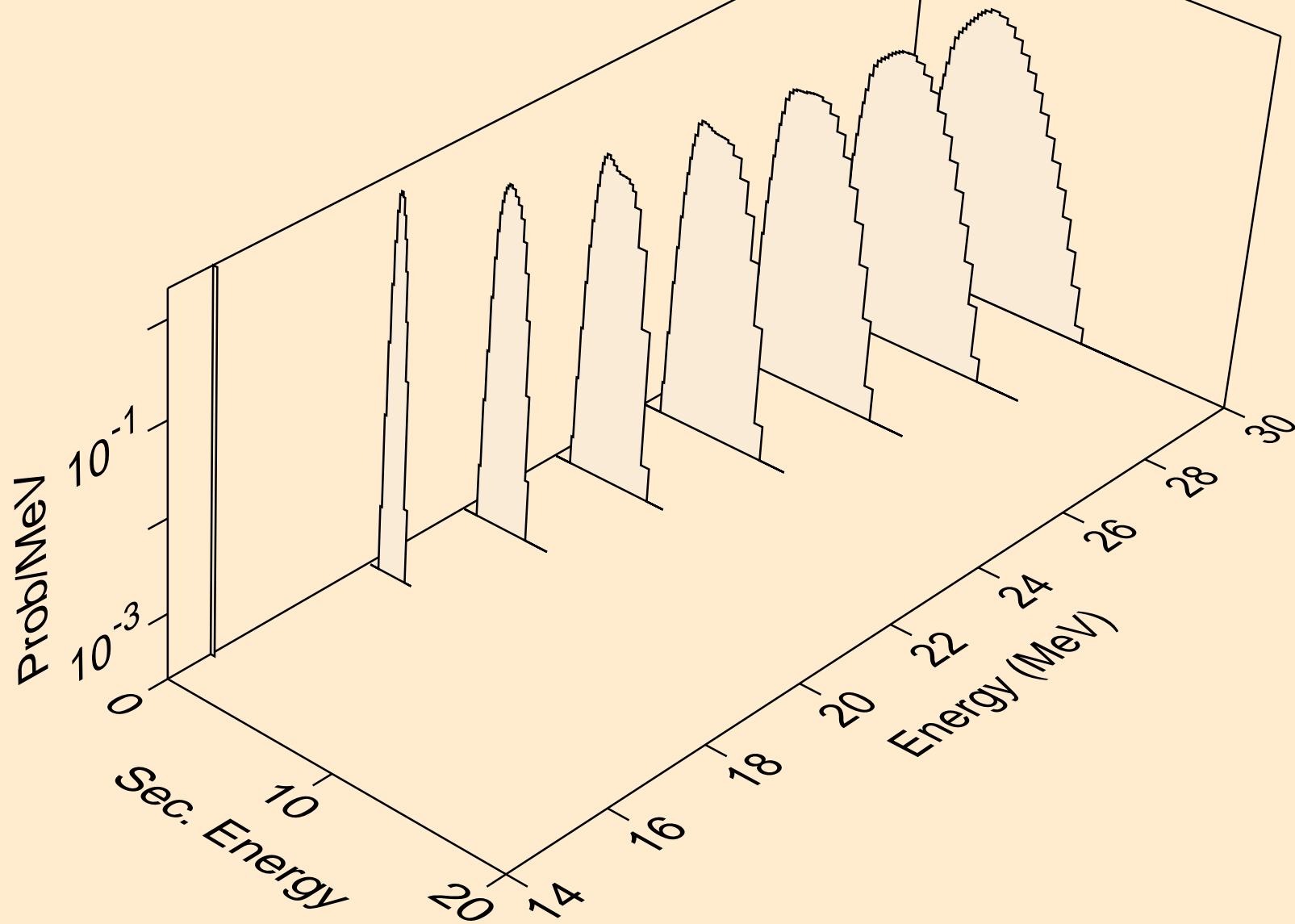
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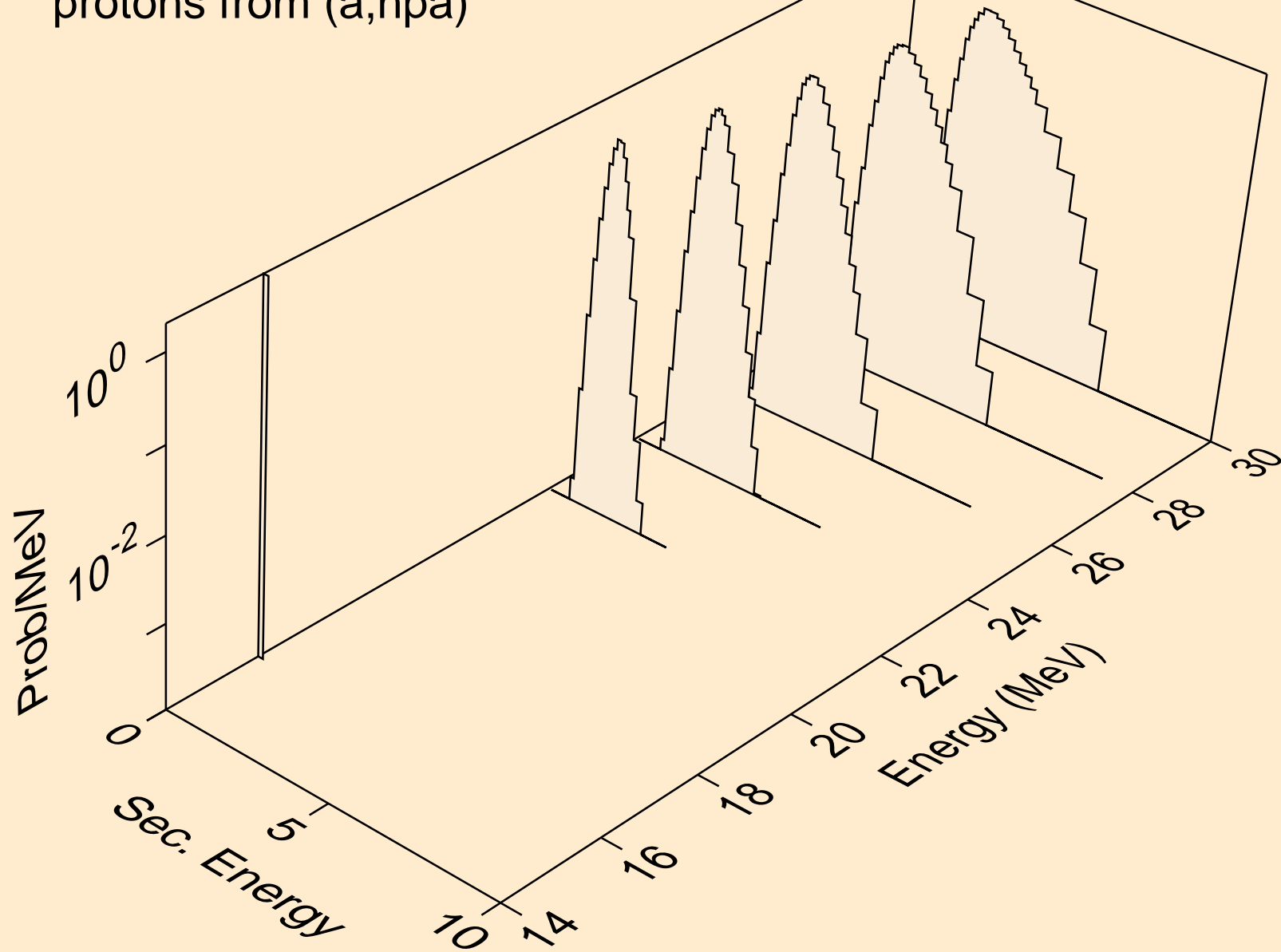
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
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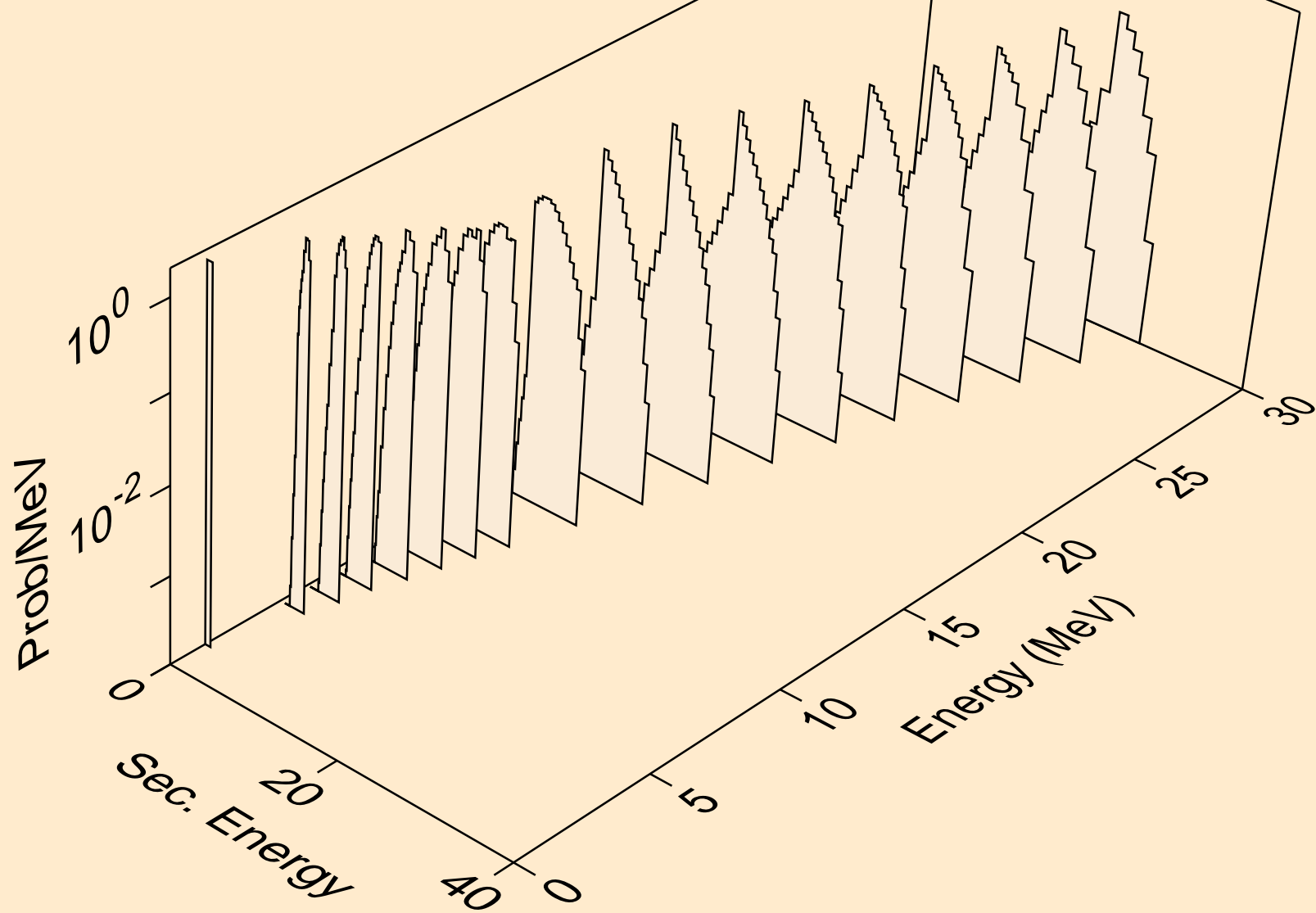


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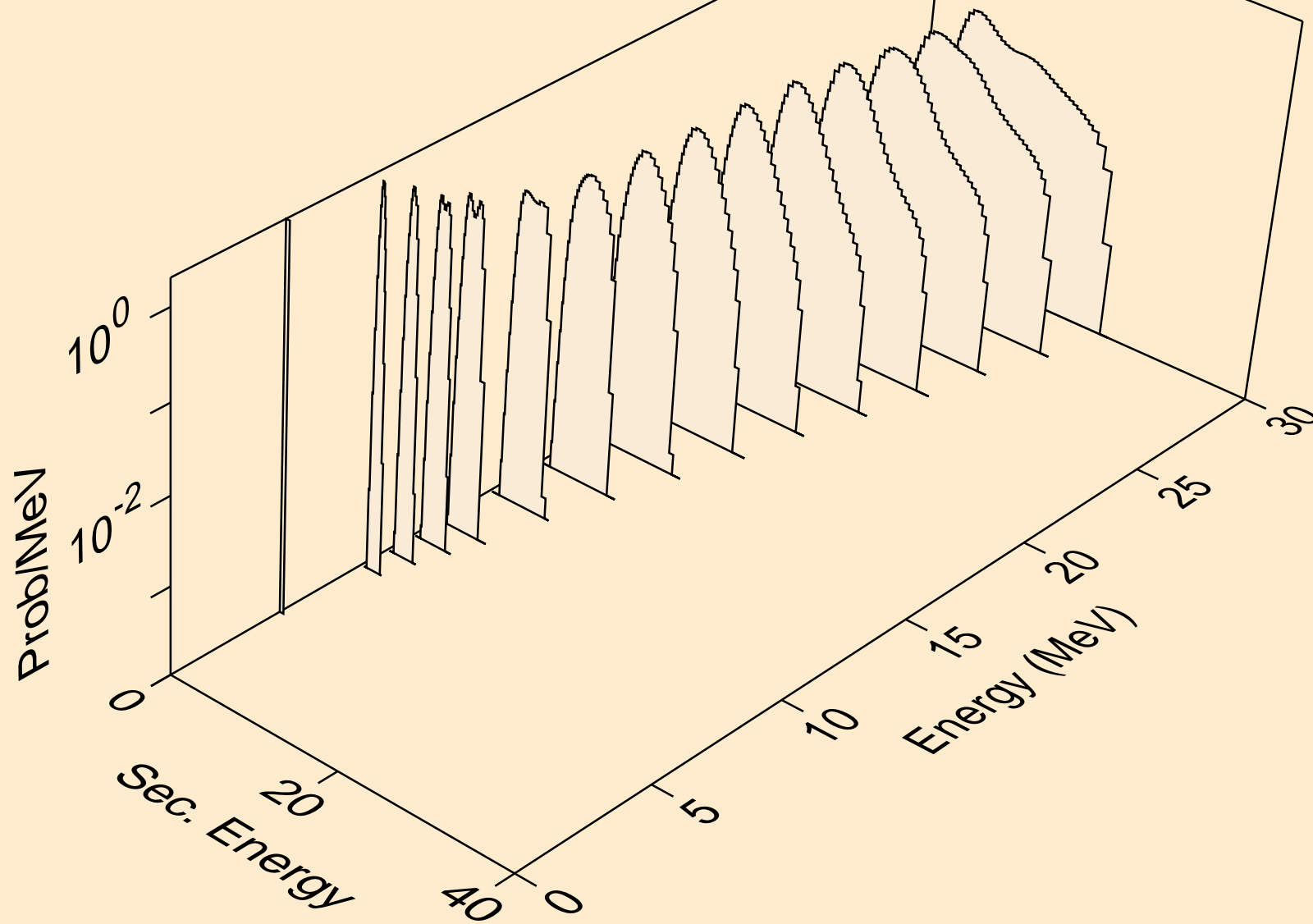




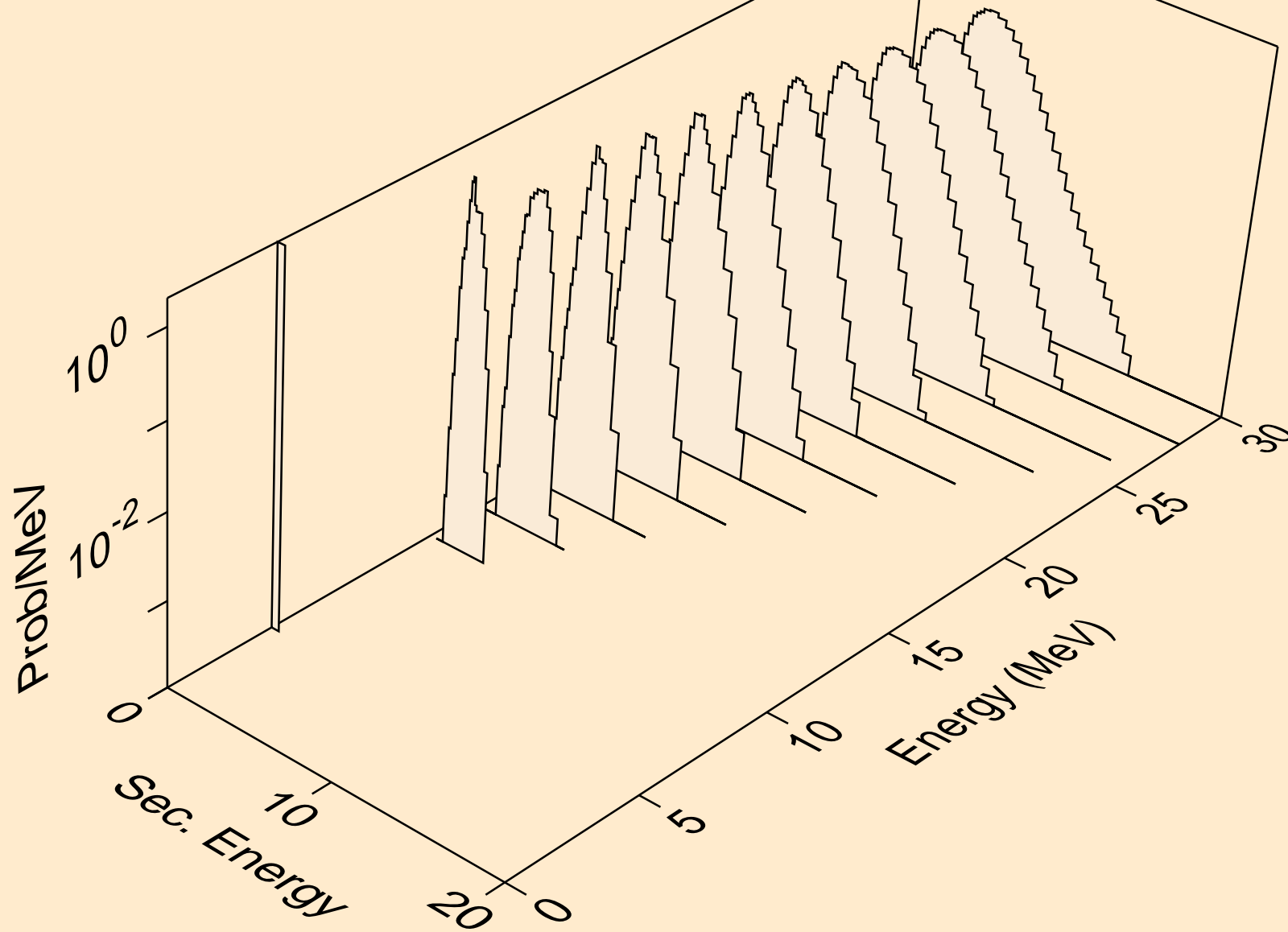
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protons from (a,p)



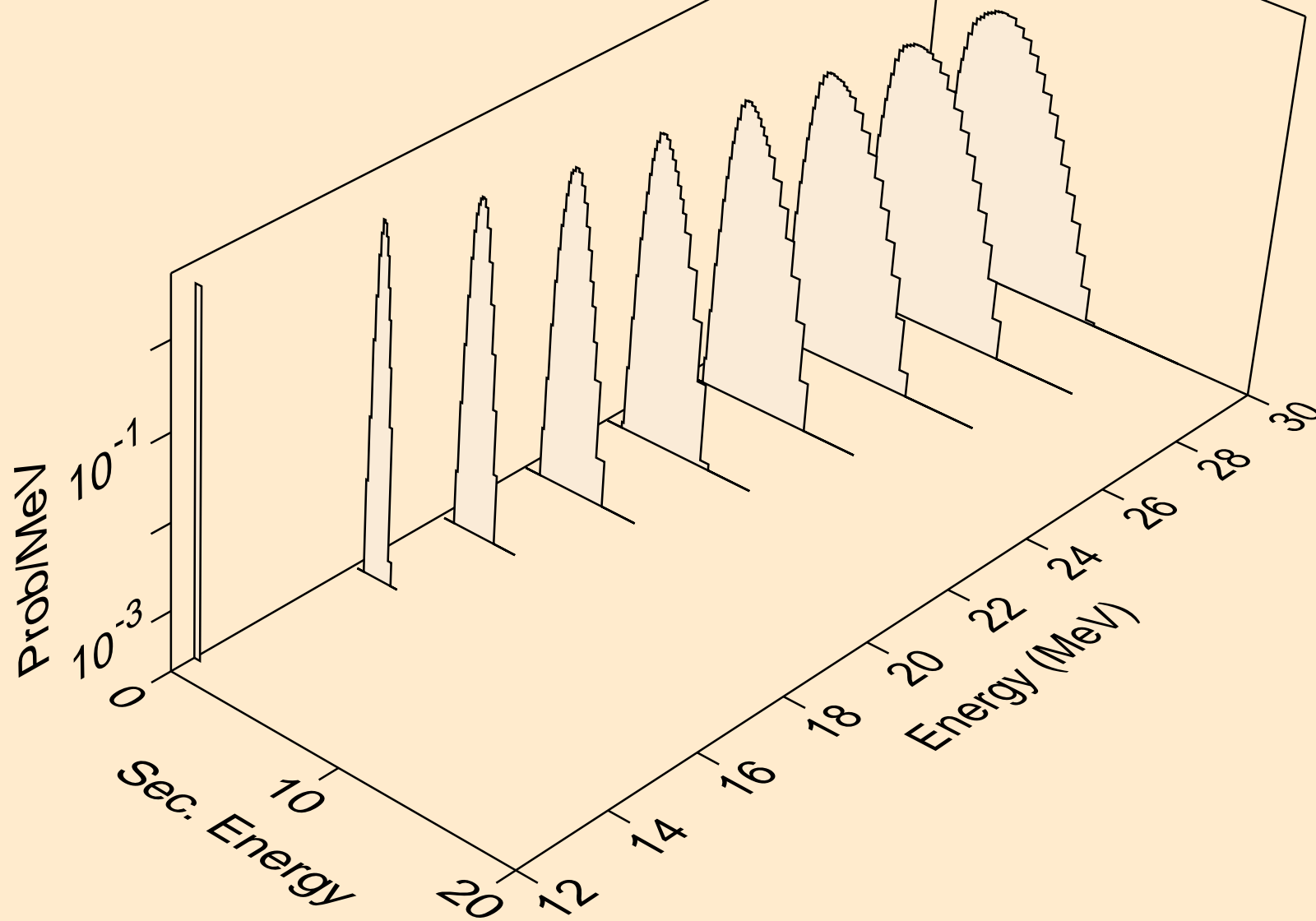
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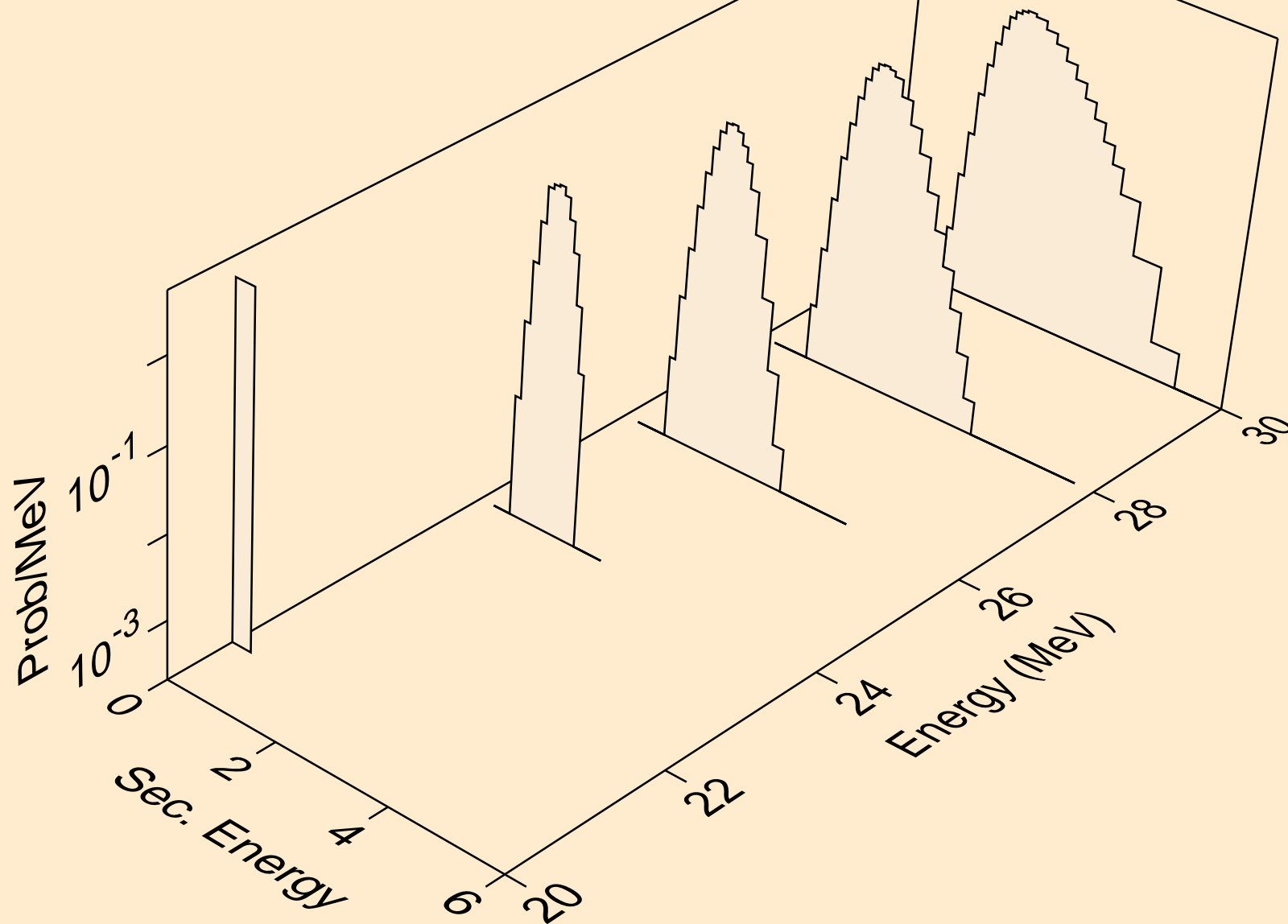
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protons from (a,pa)



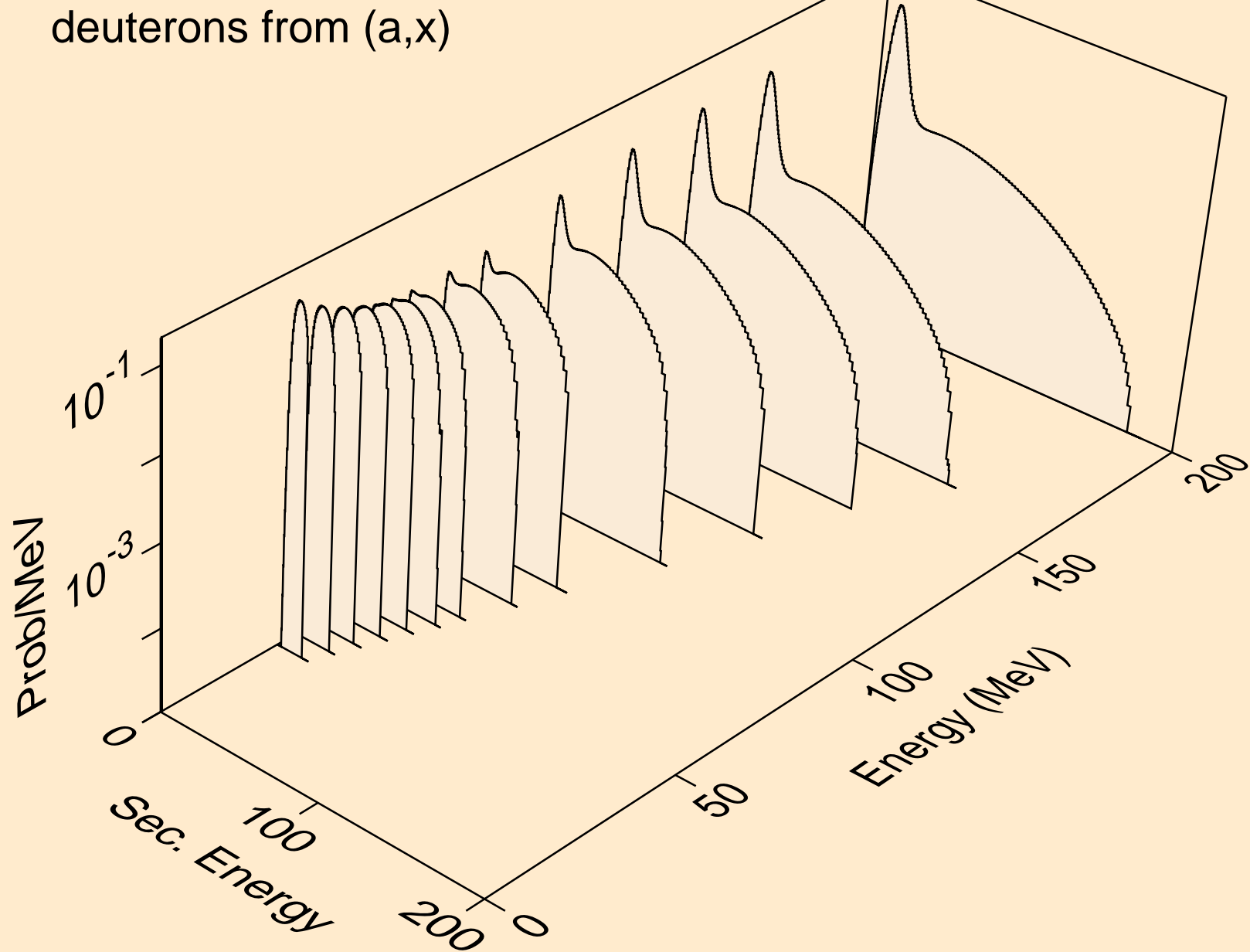
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protons from (a,pd)



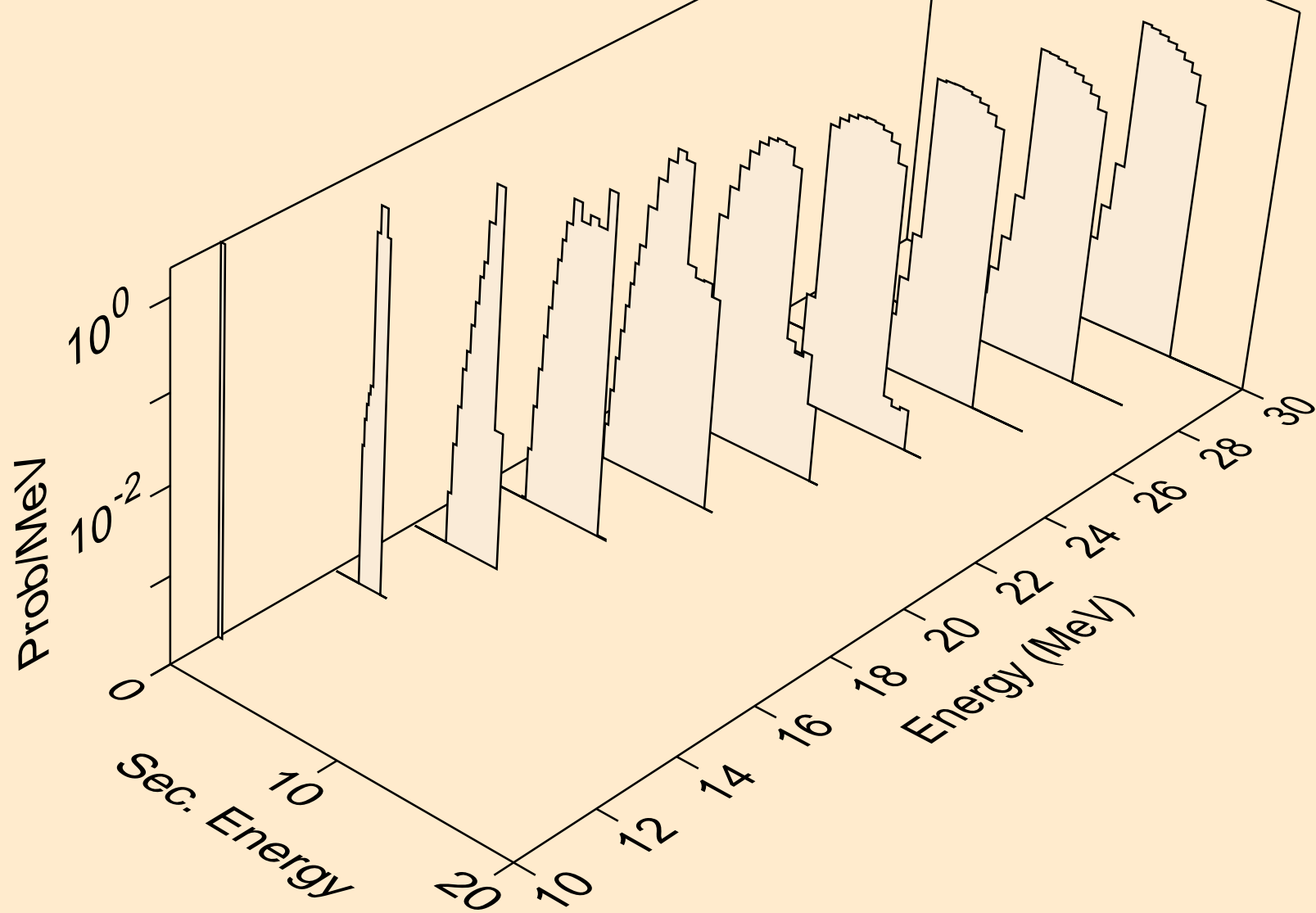
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protons from (a,pt)



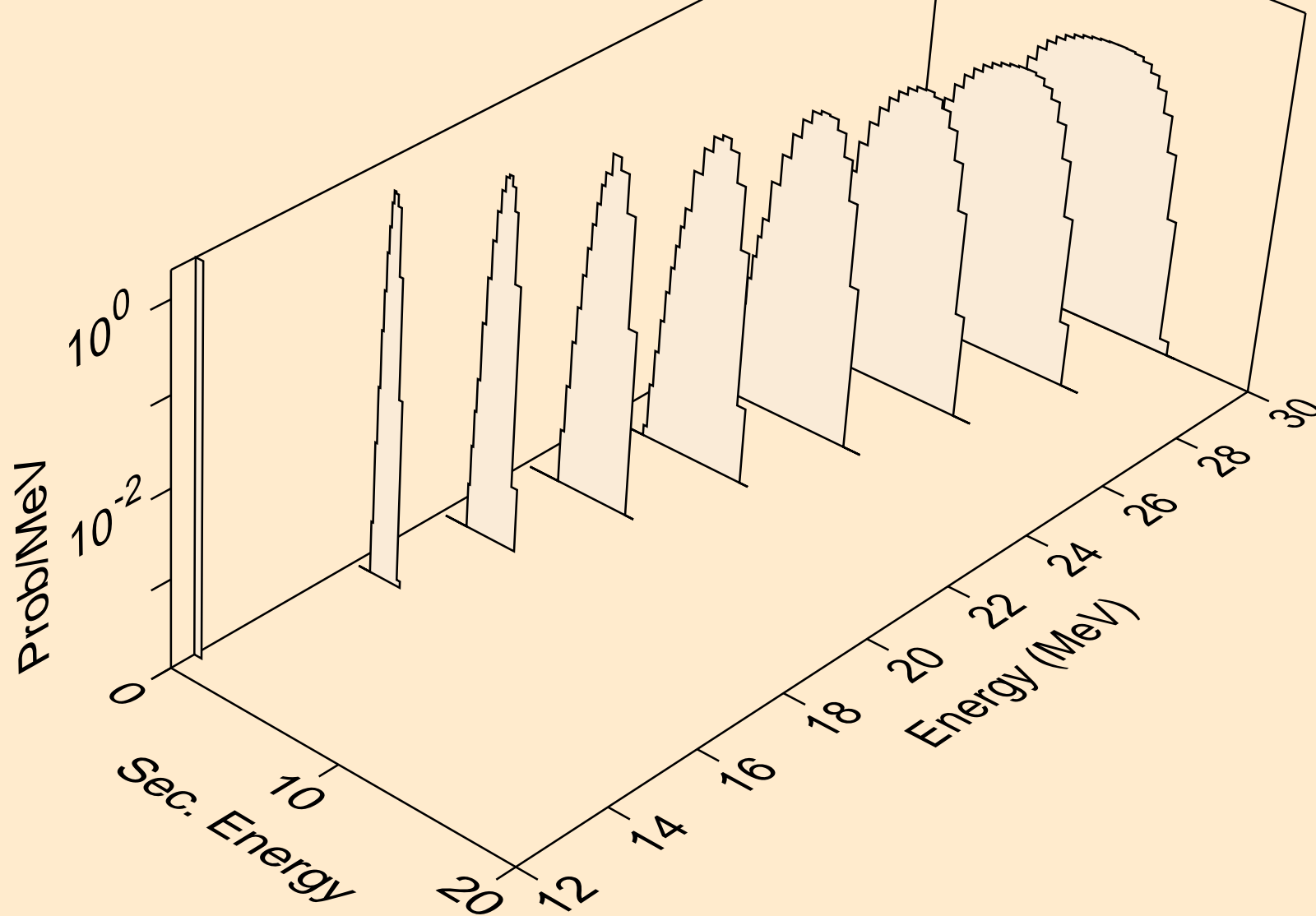
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
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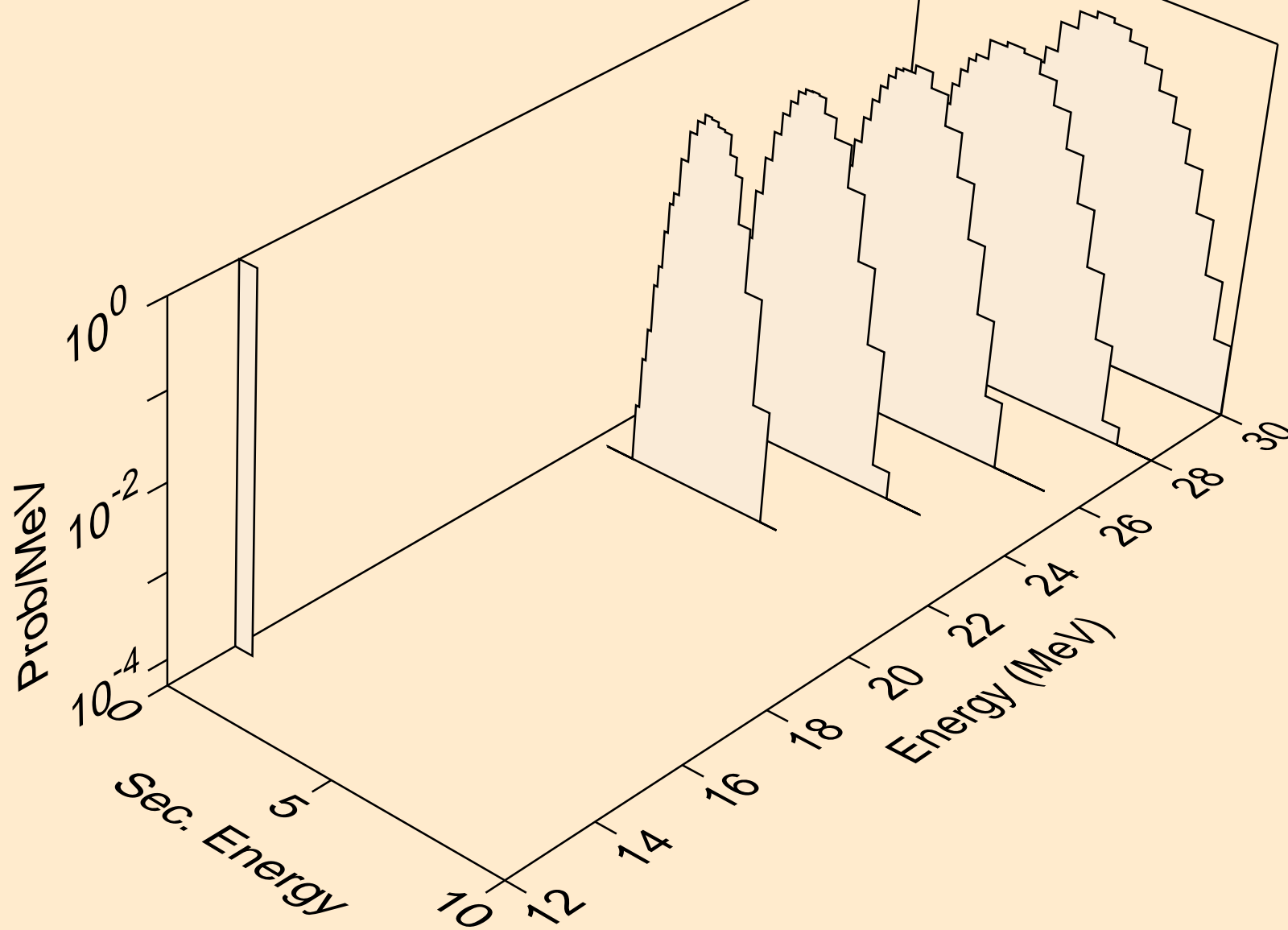


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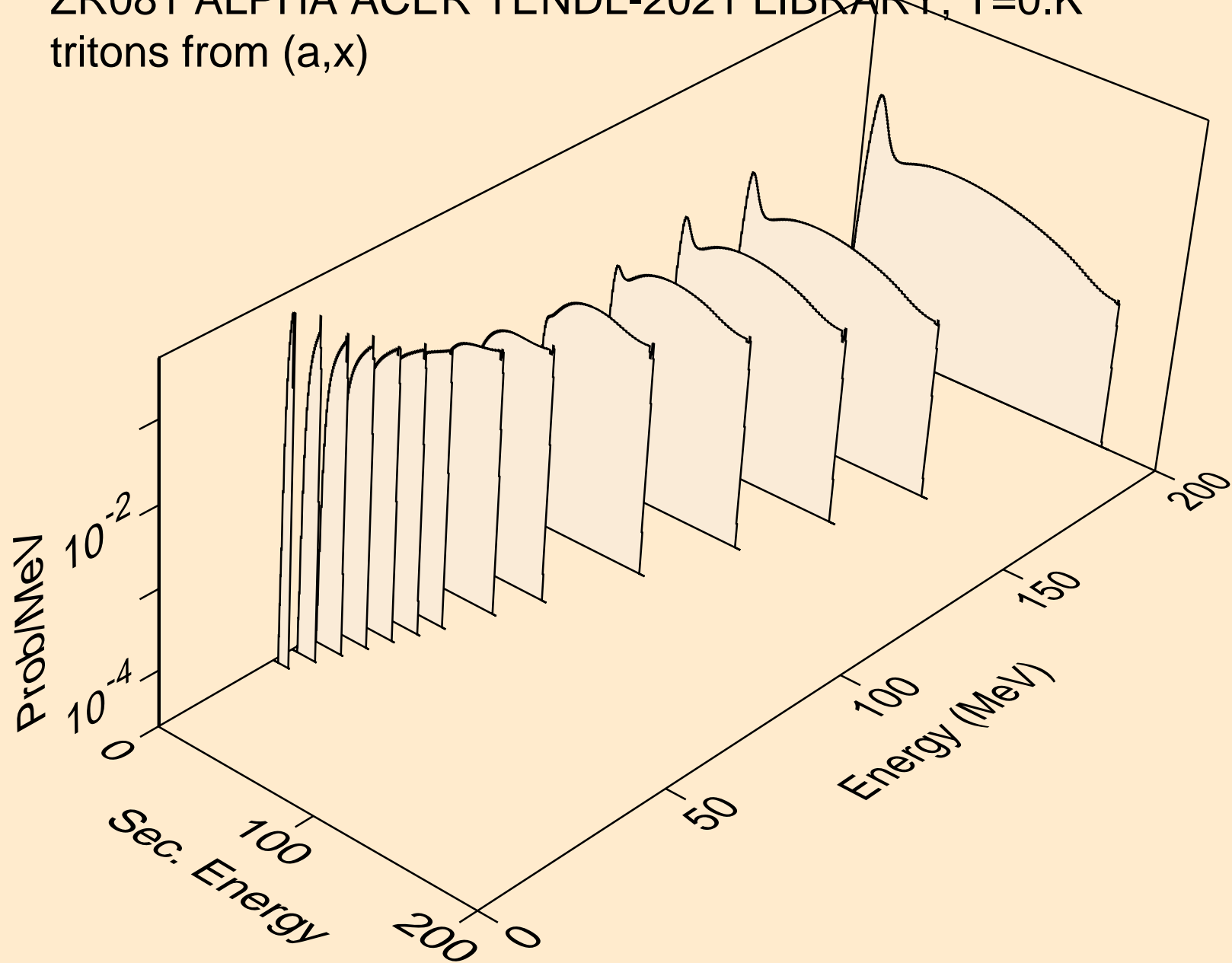




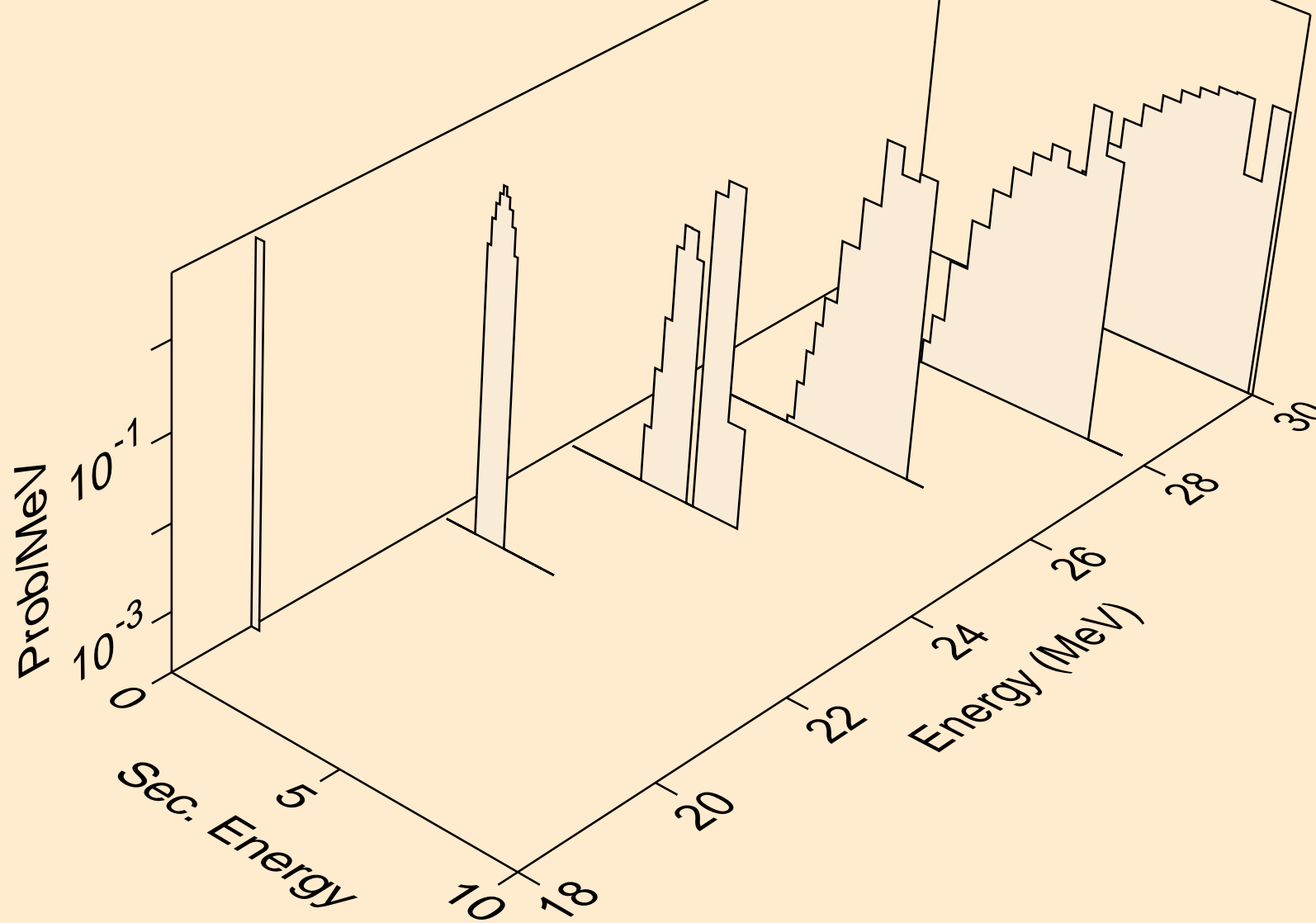
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deuterons from (a,da)



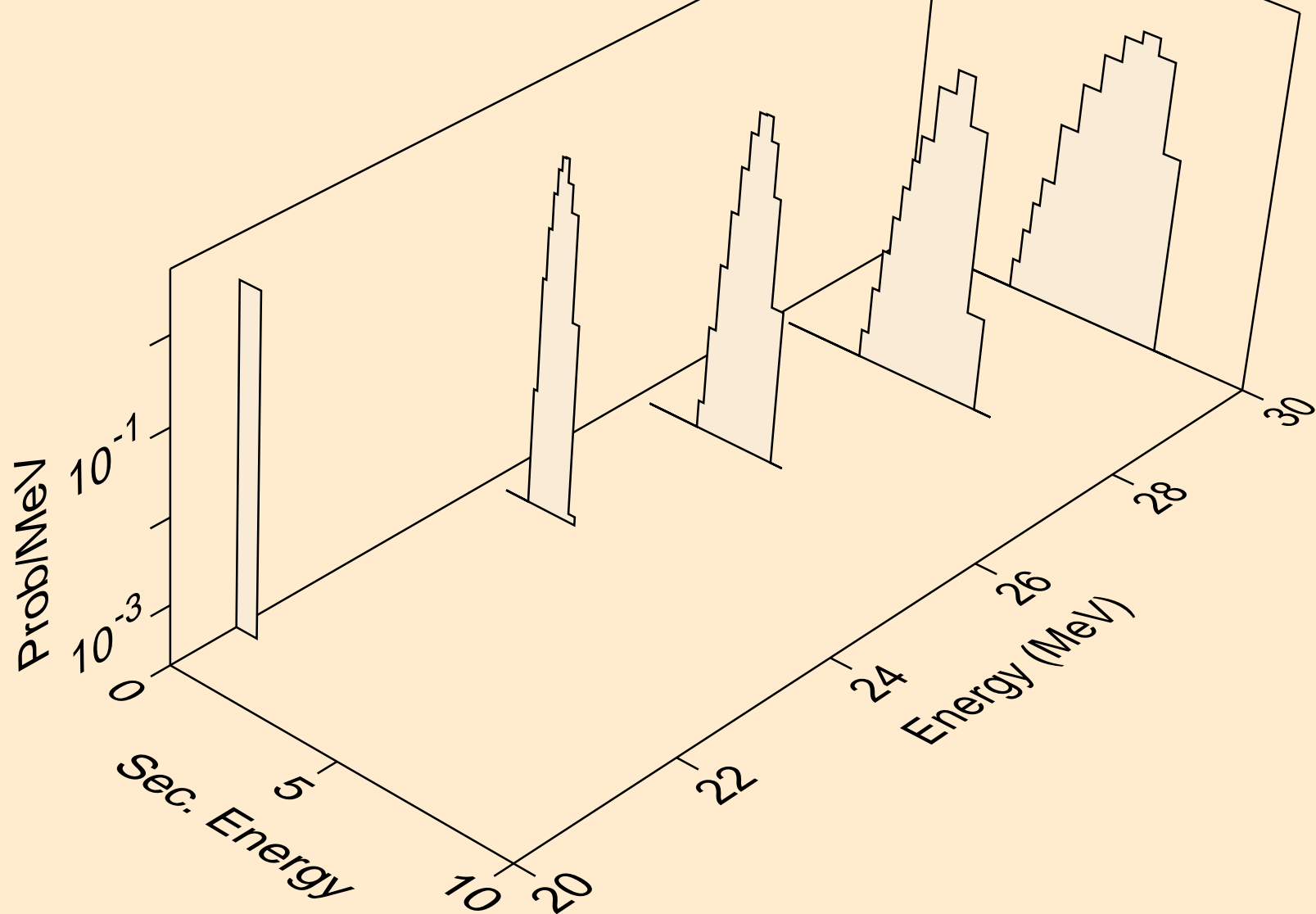
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



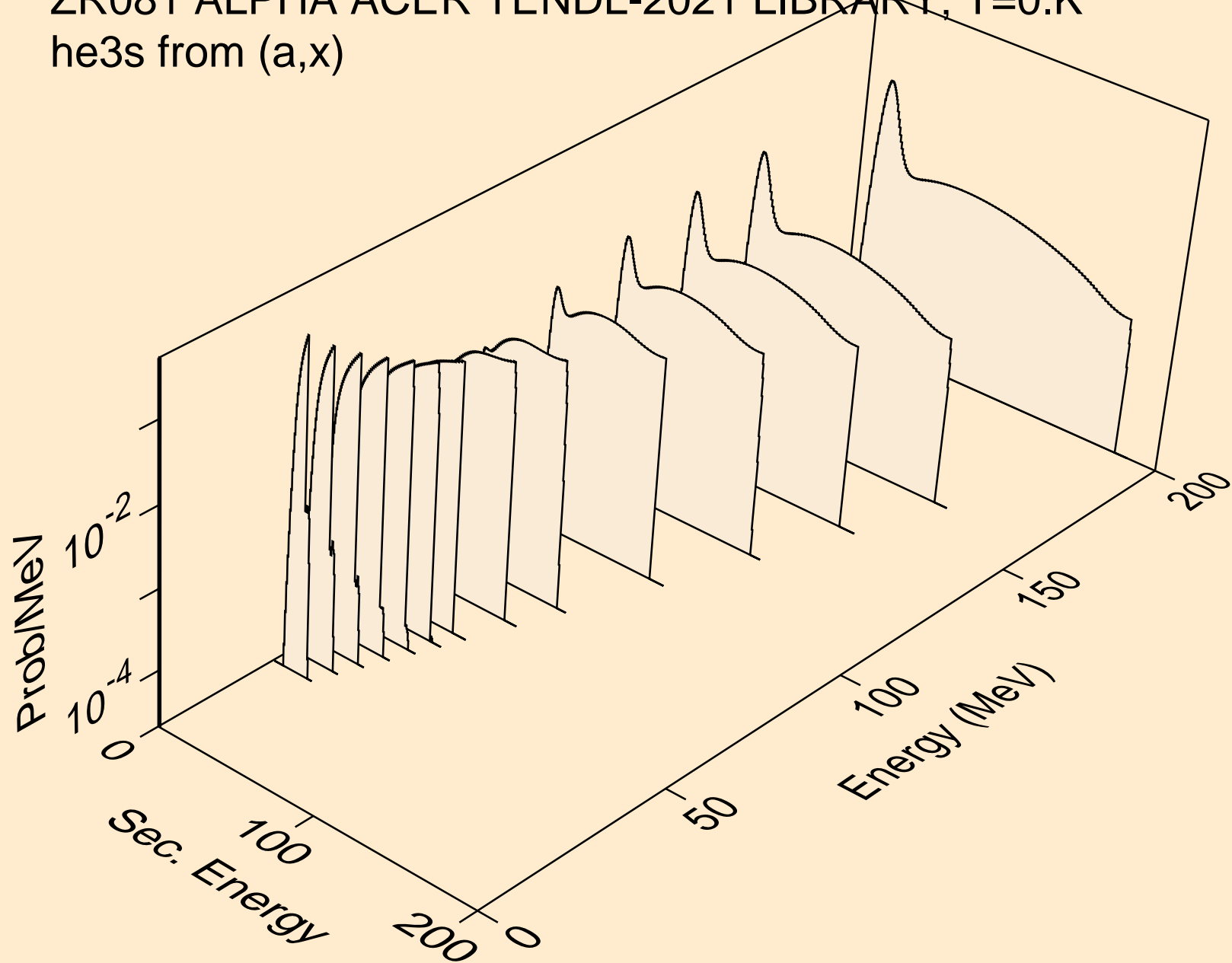
ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,pt)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



ZR081 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

