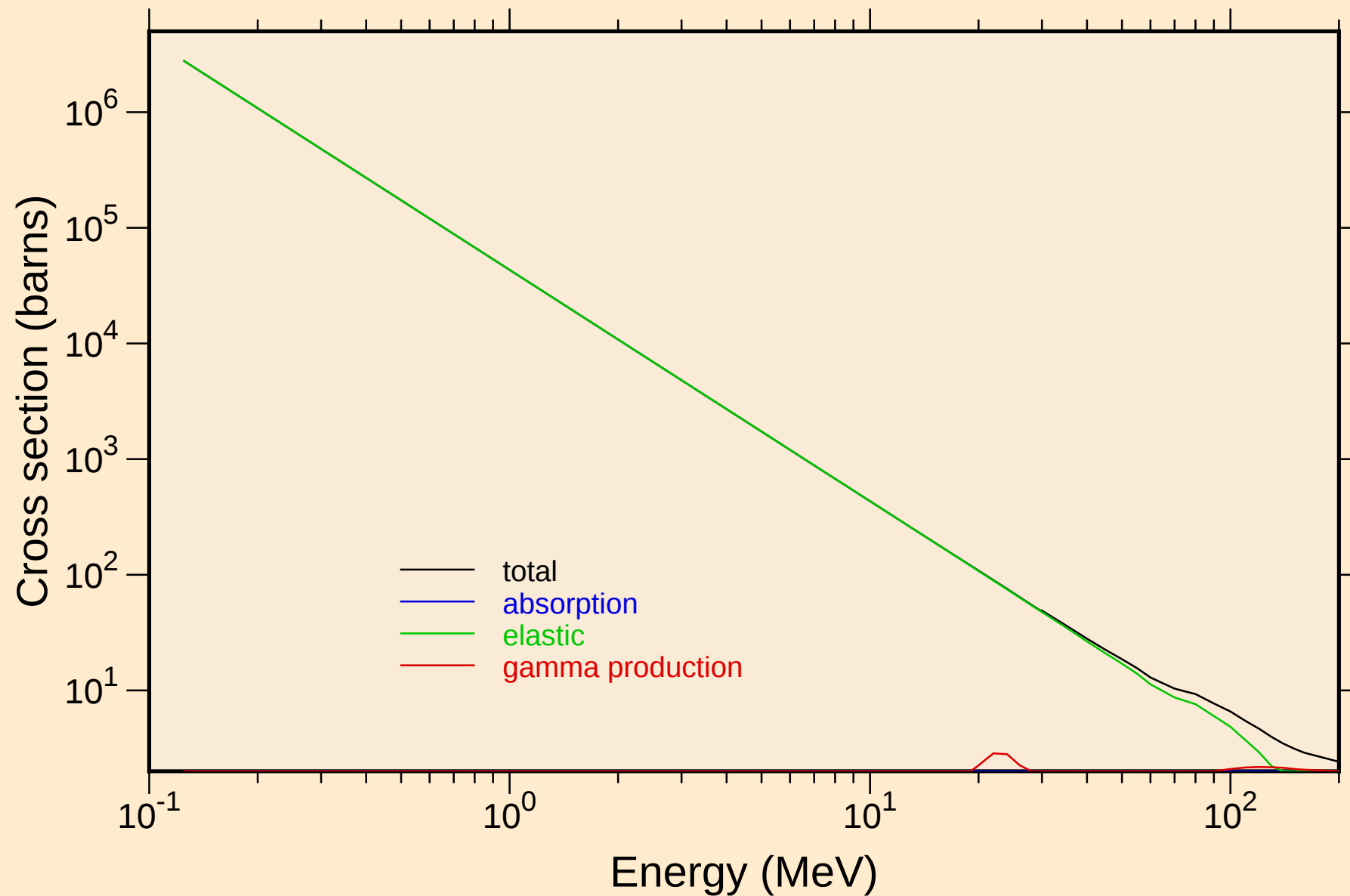


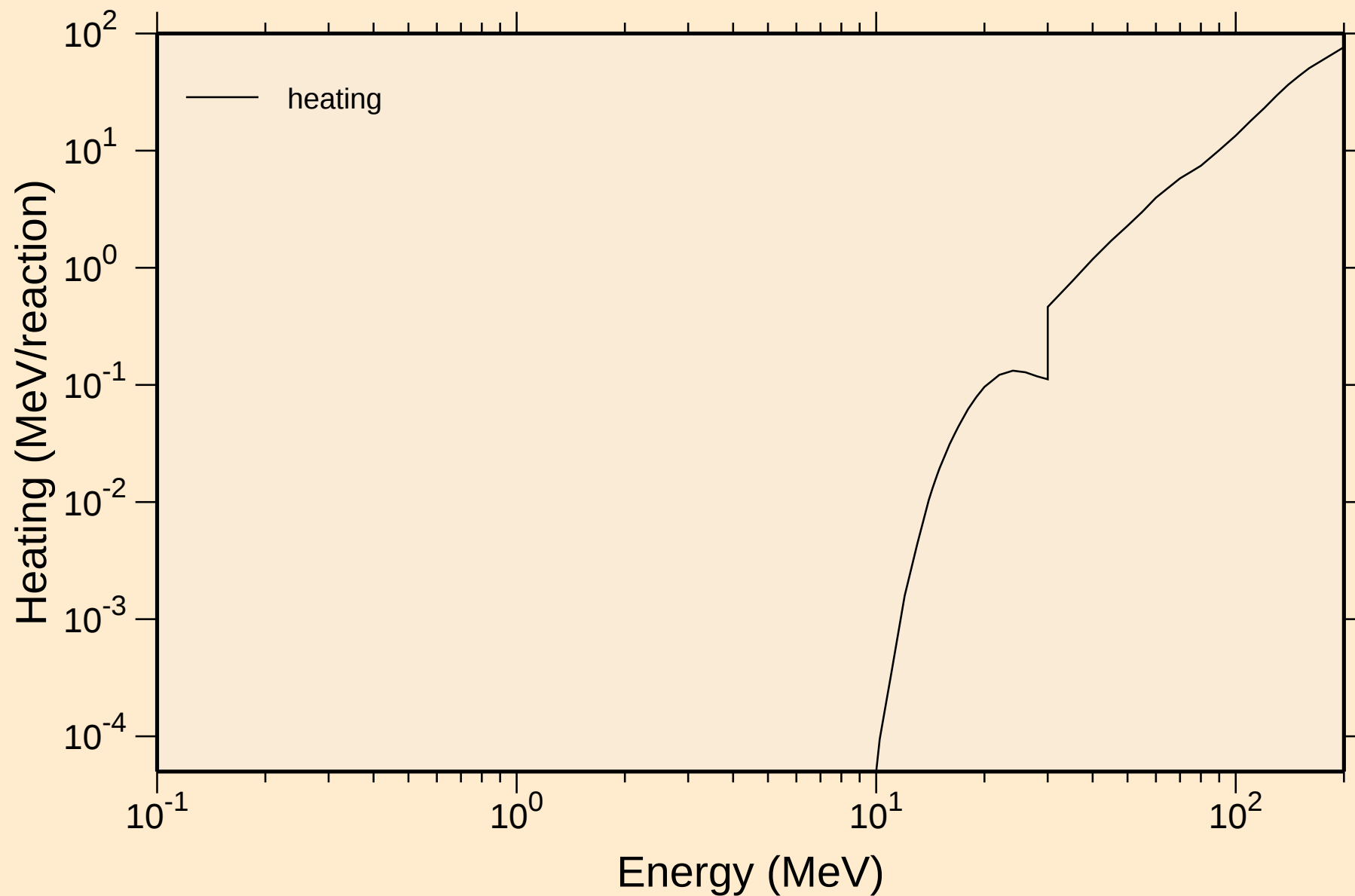
# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



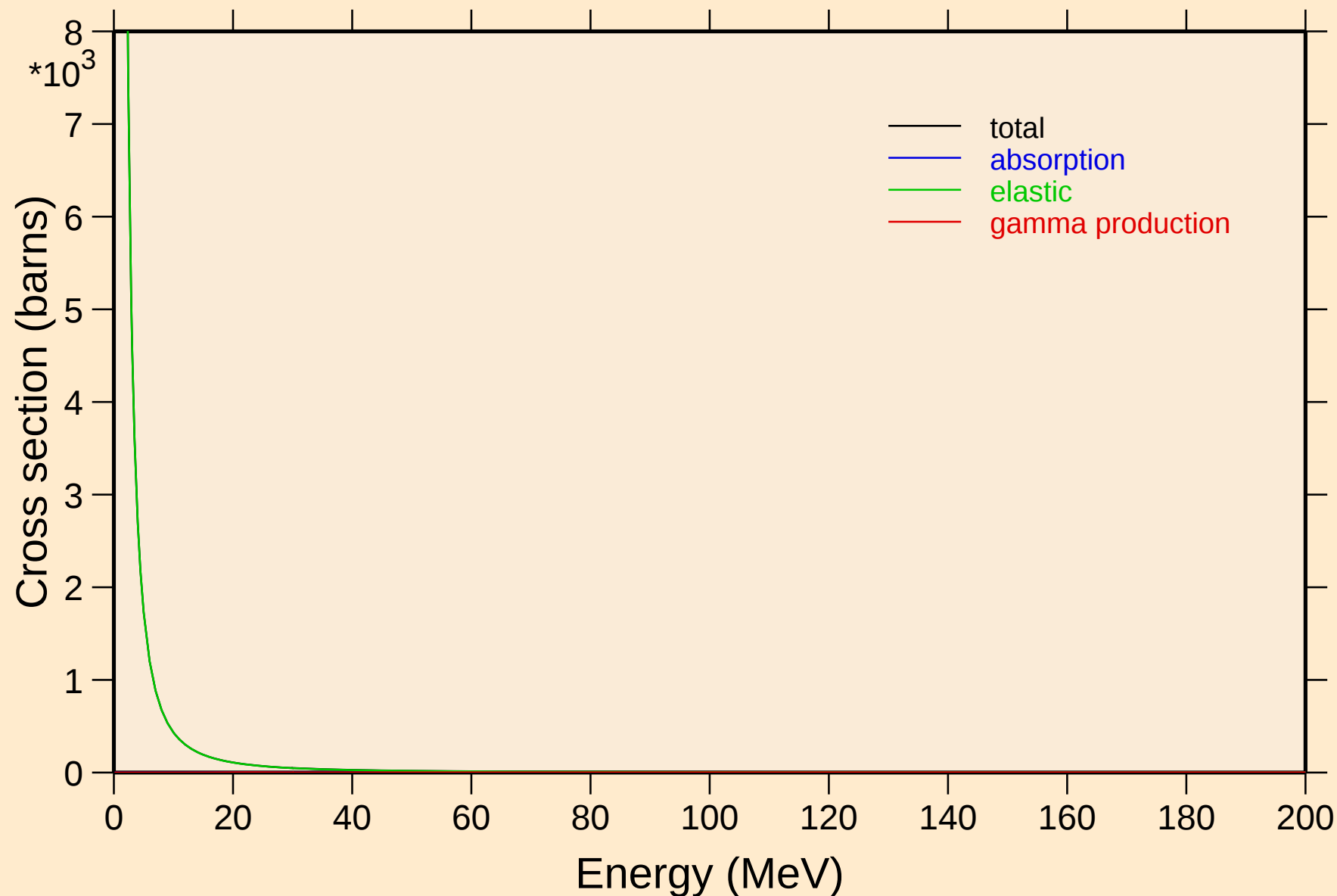
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



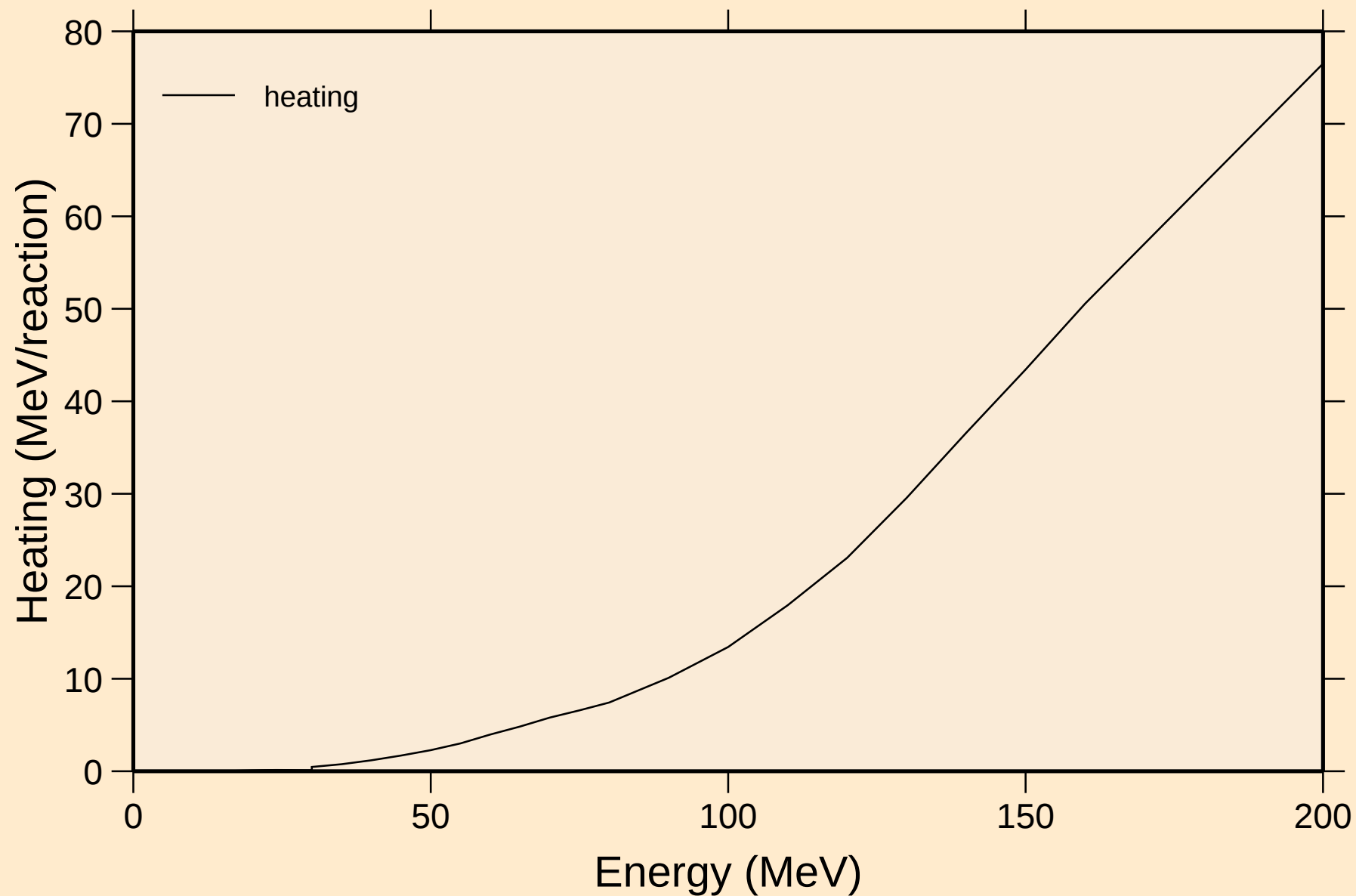
# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



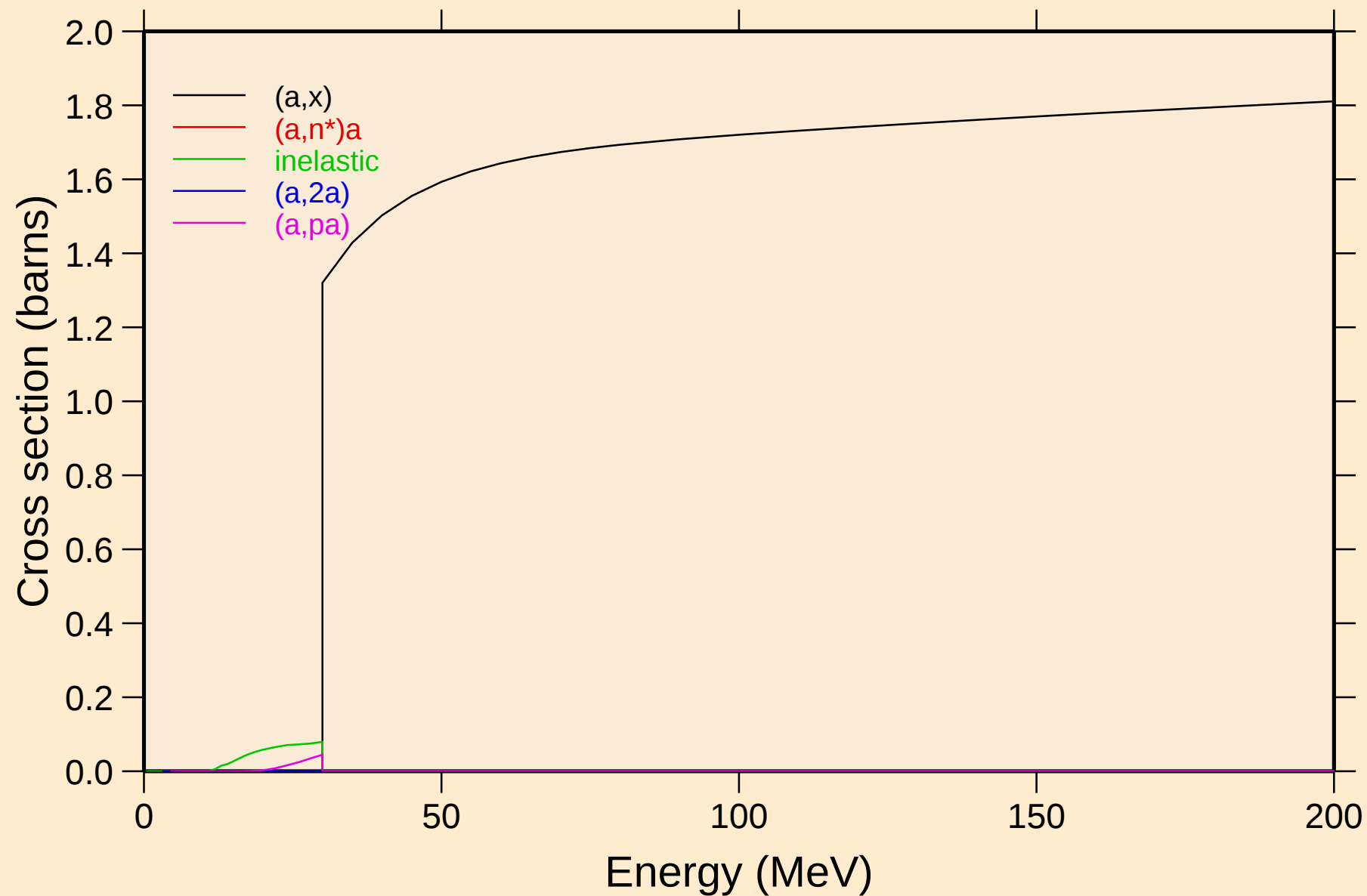
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



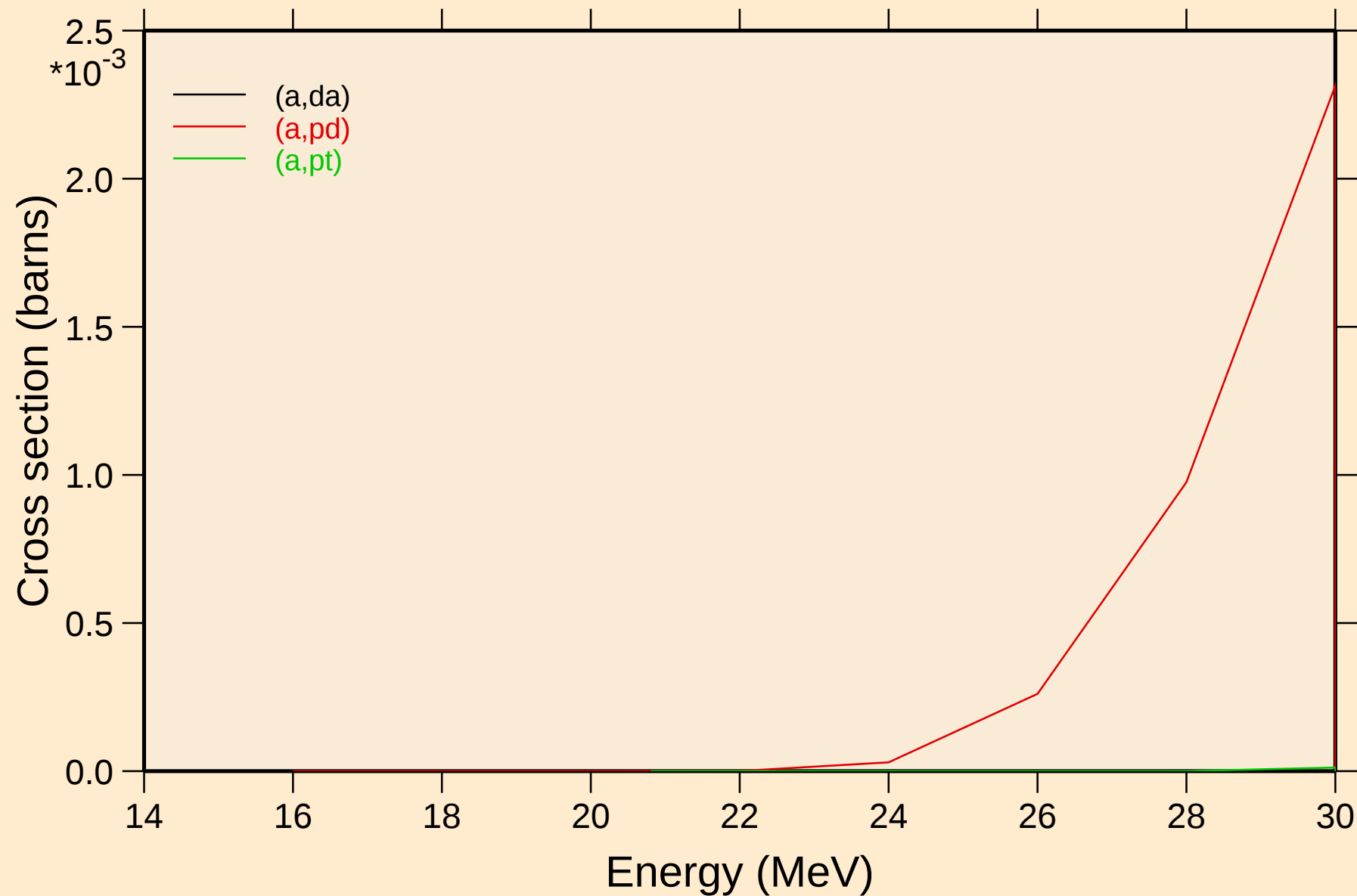
# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



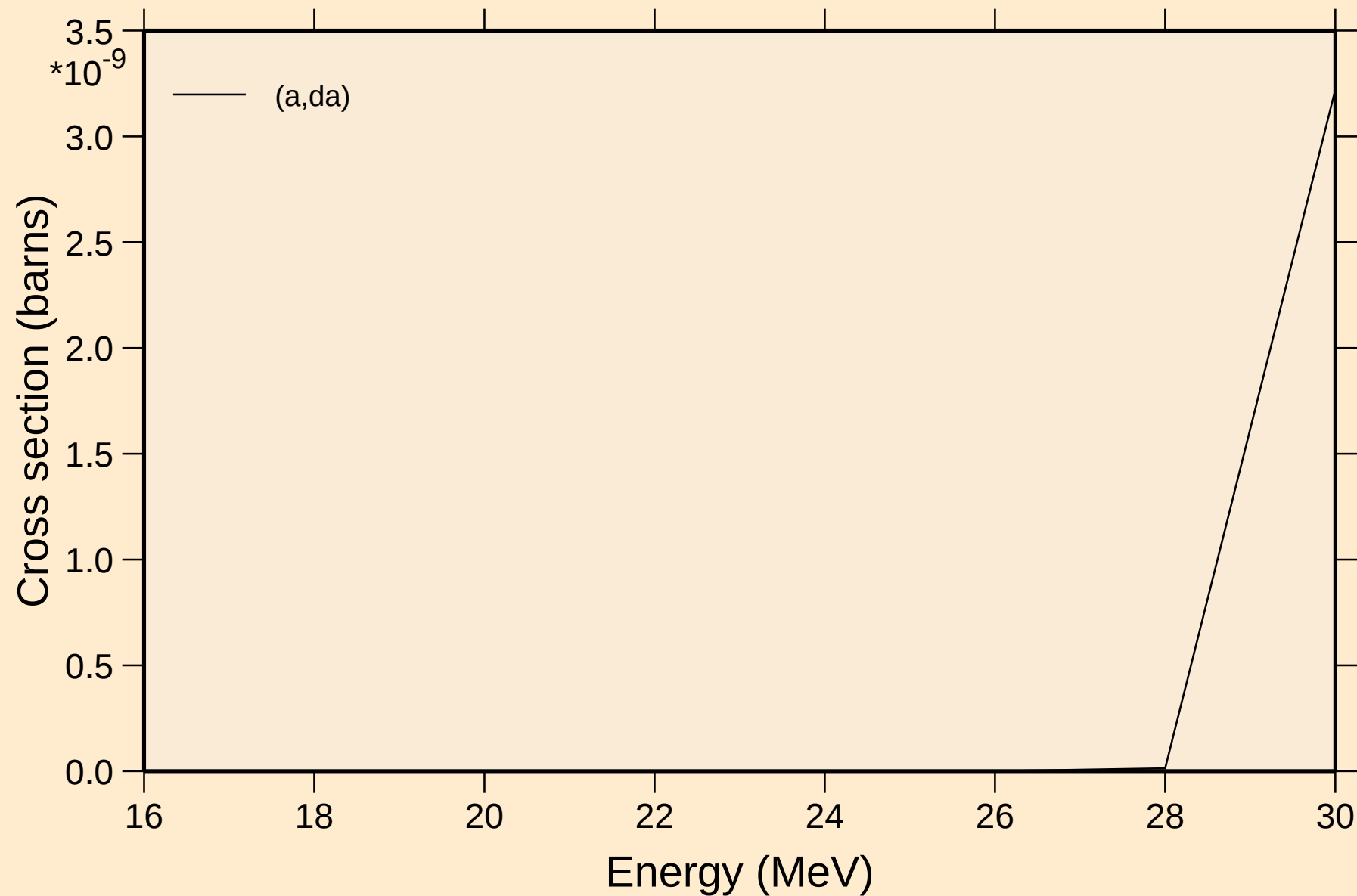
# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

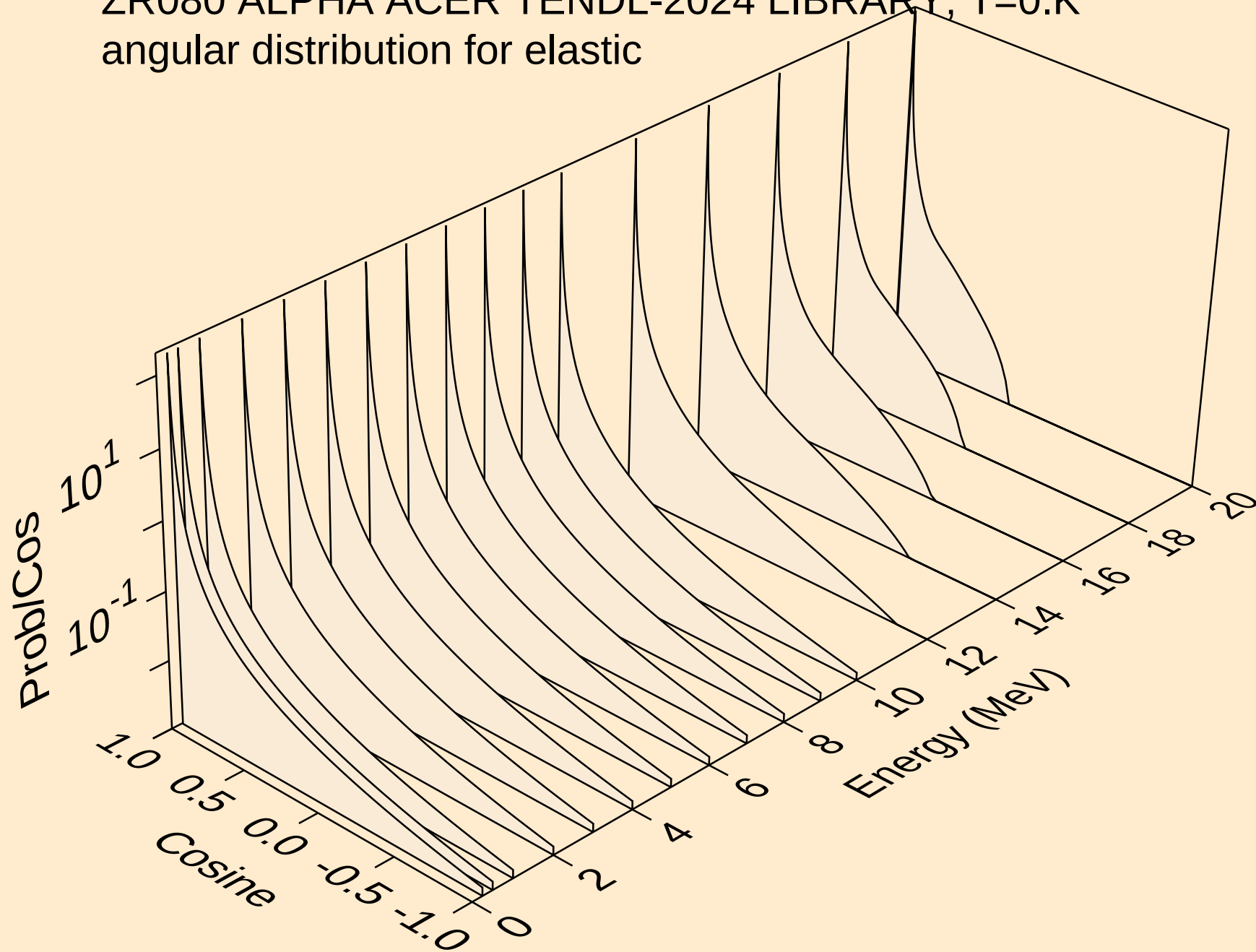


# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

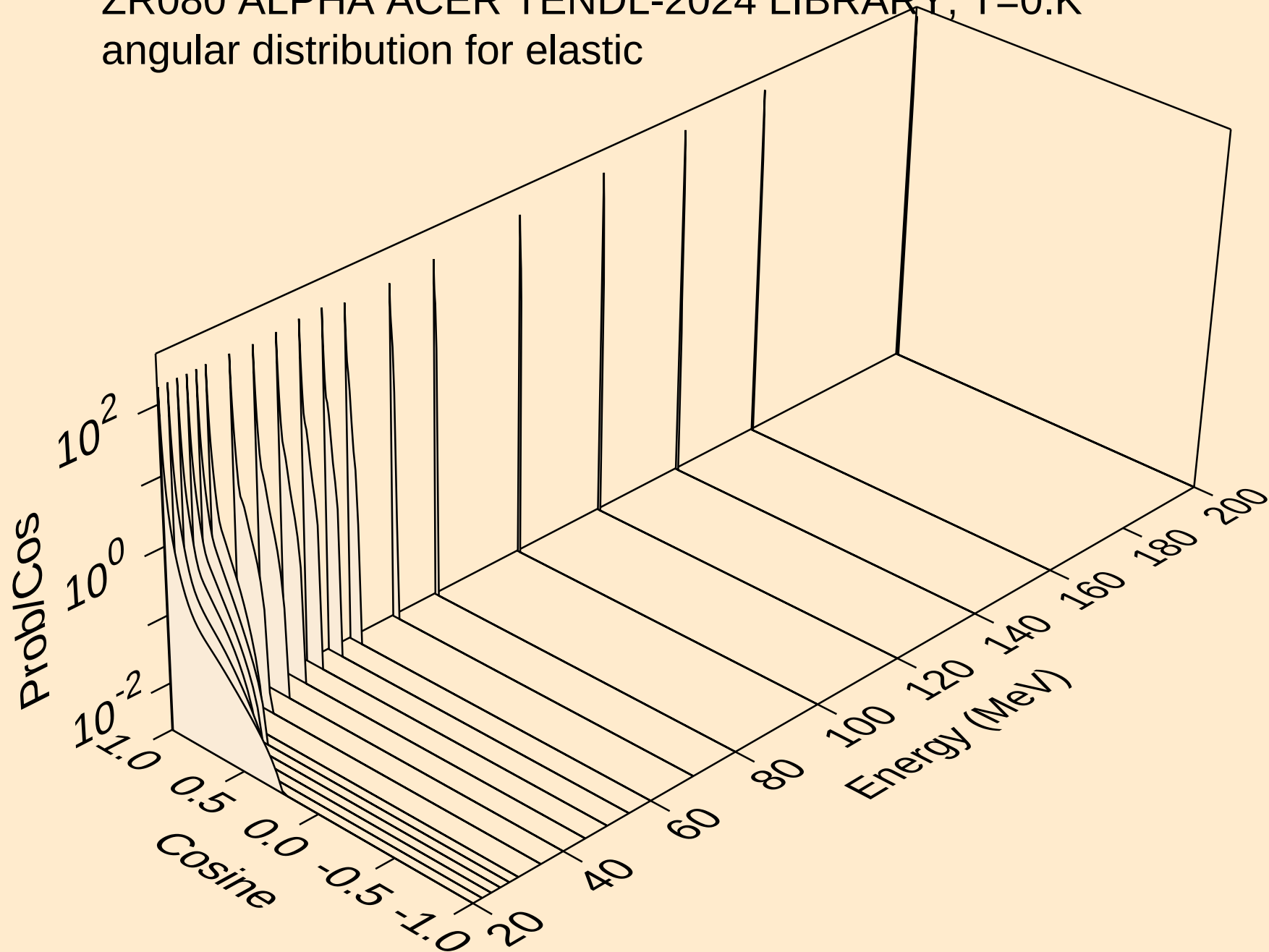
Threshold reactions



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

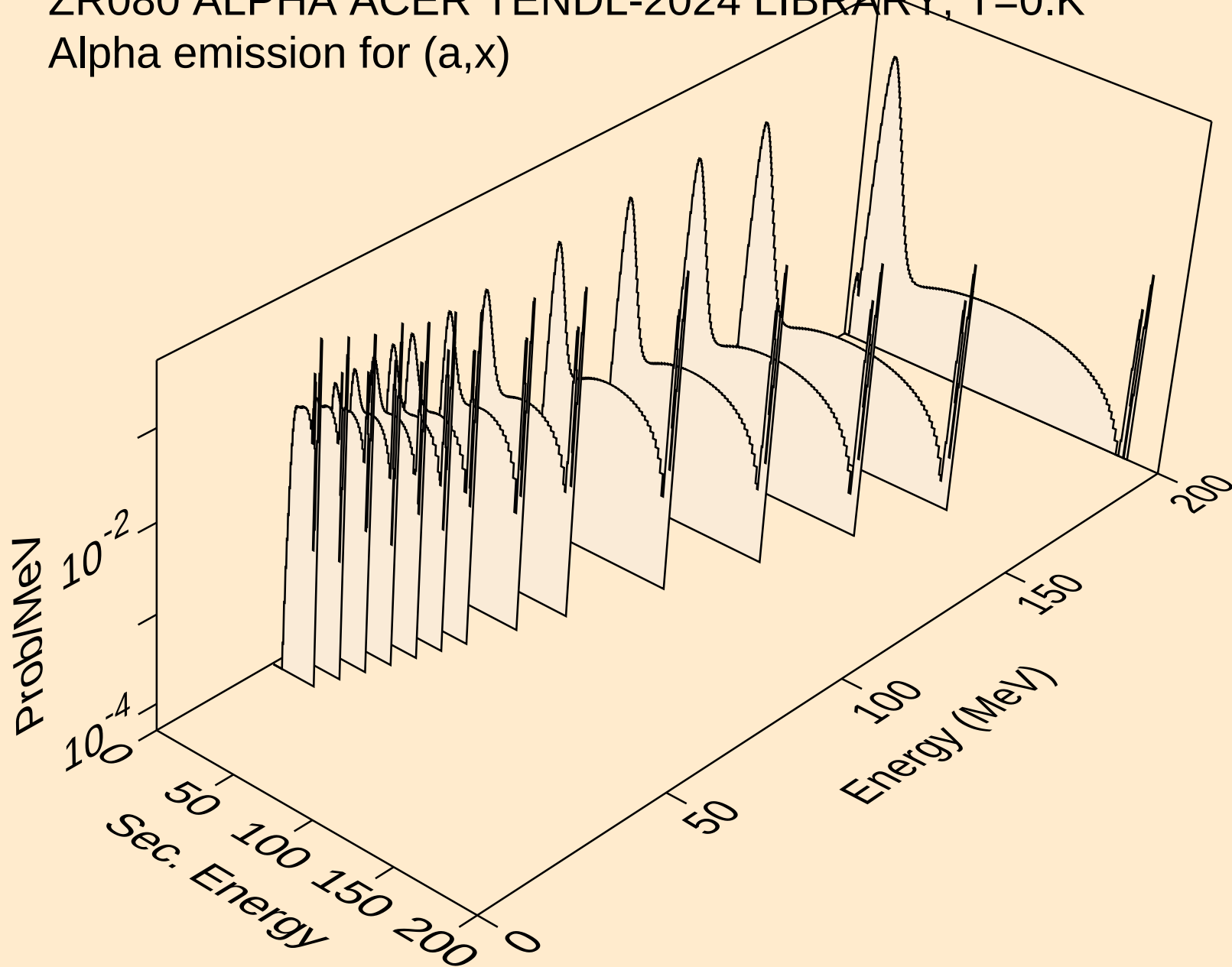


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



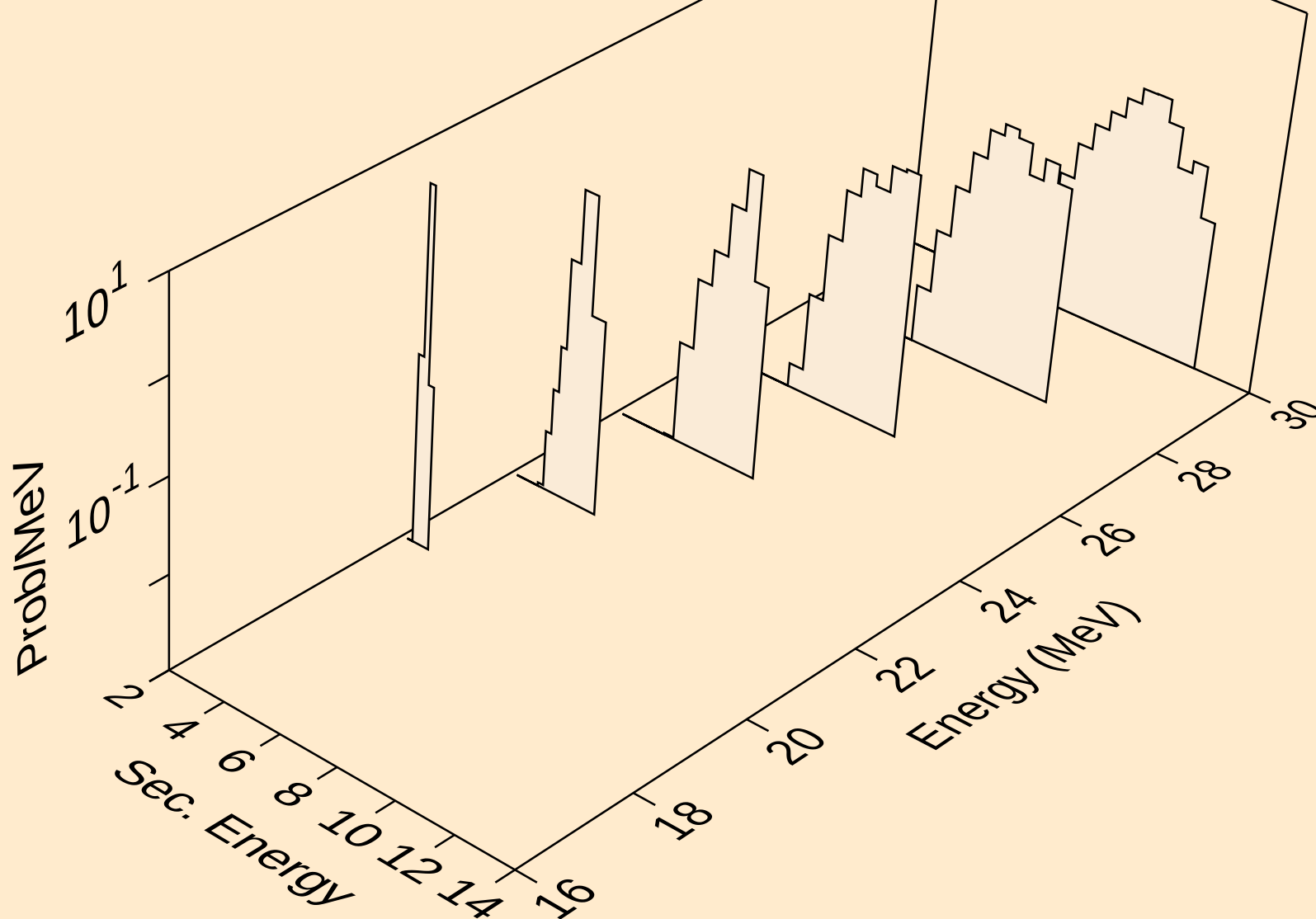
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,x)



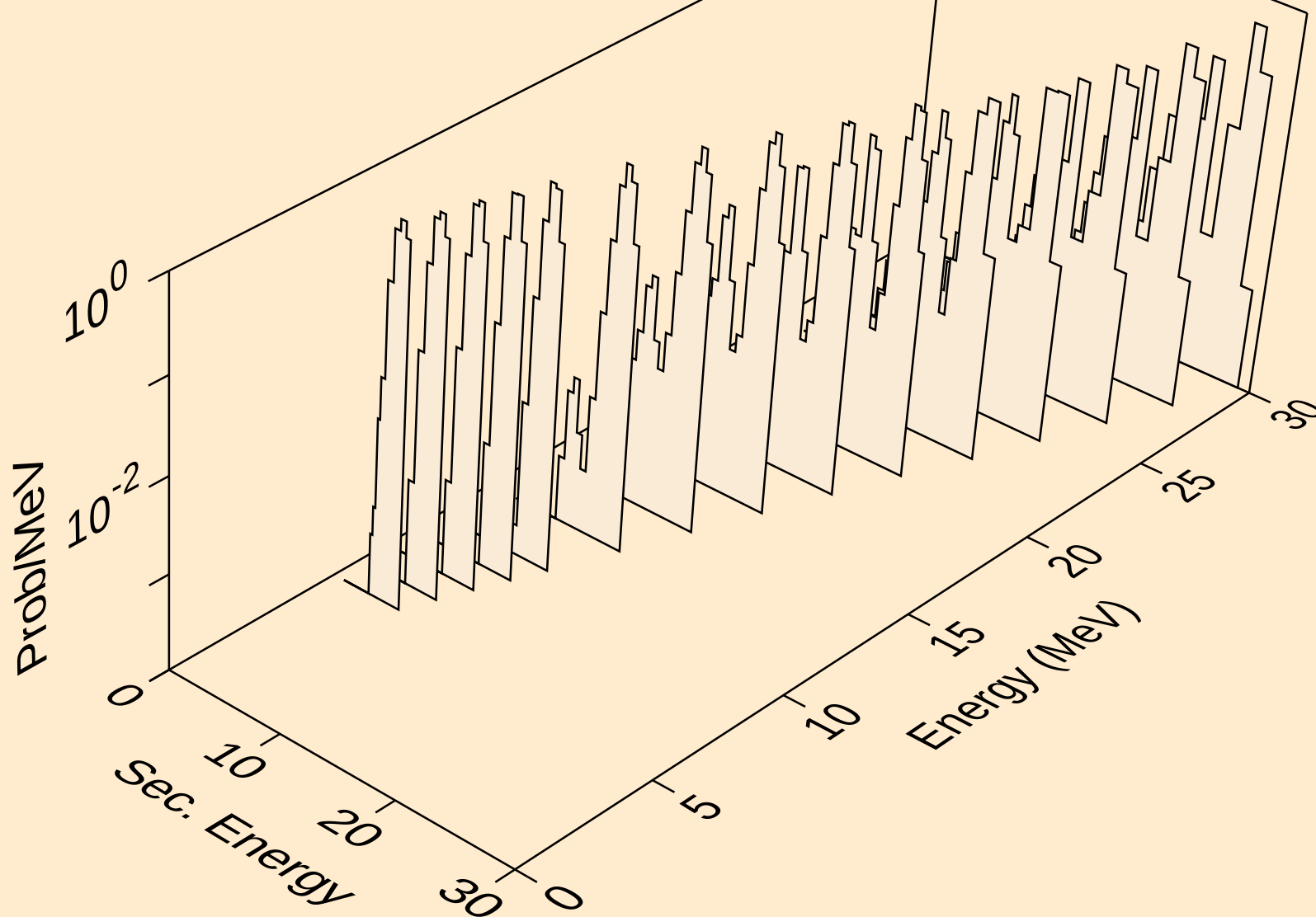
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



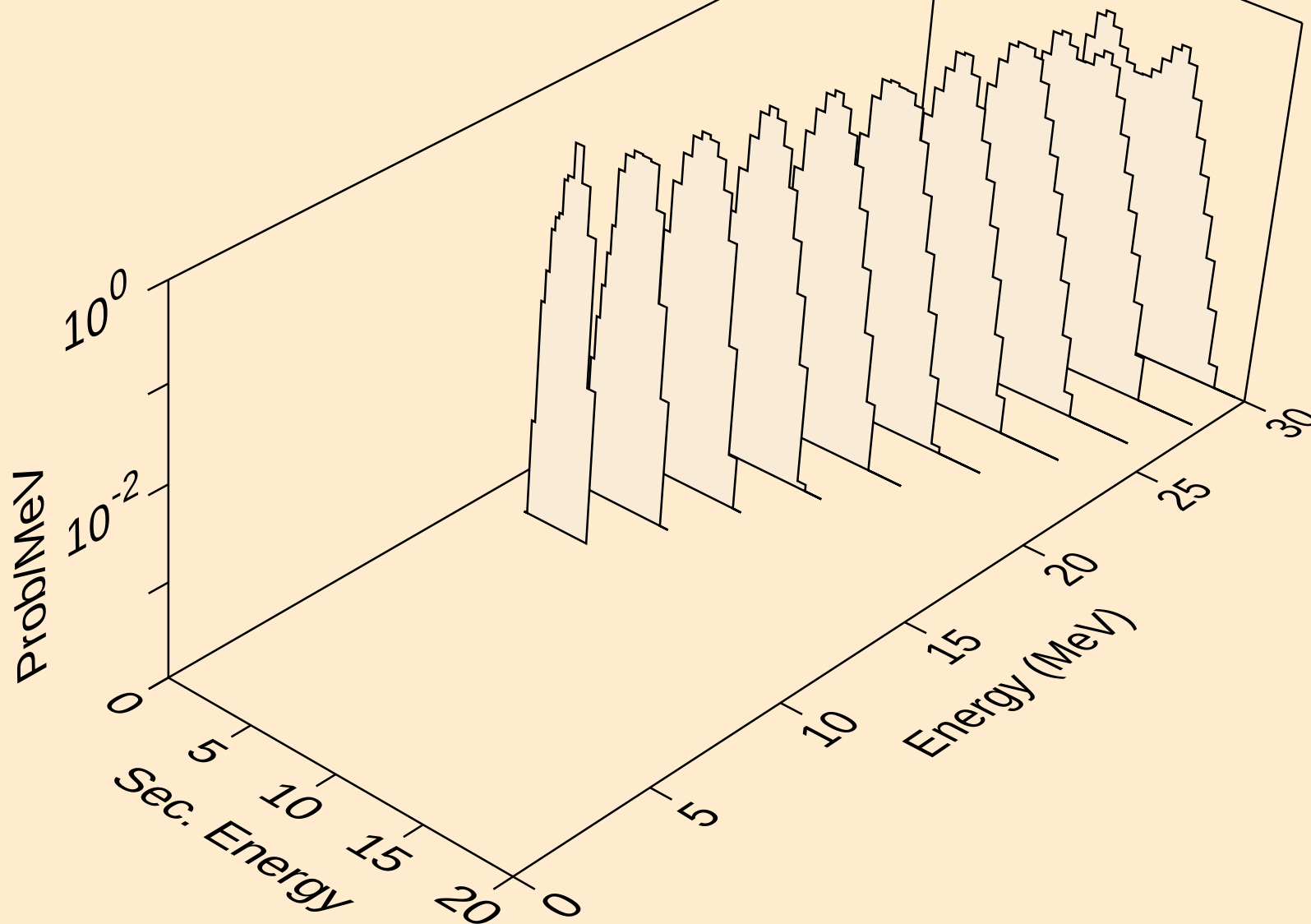
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



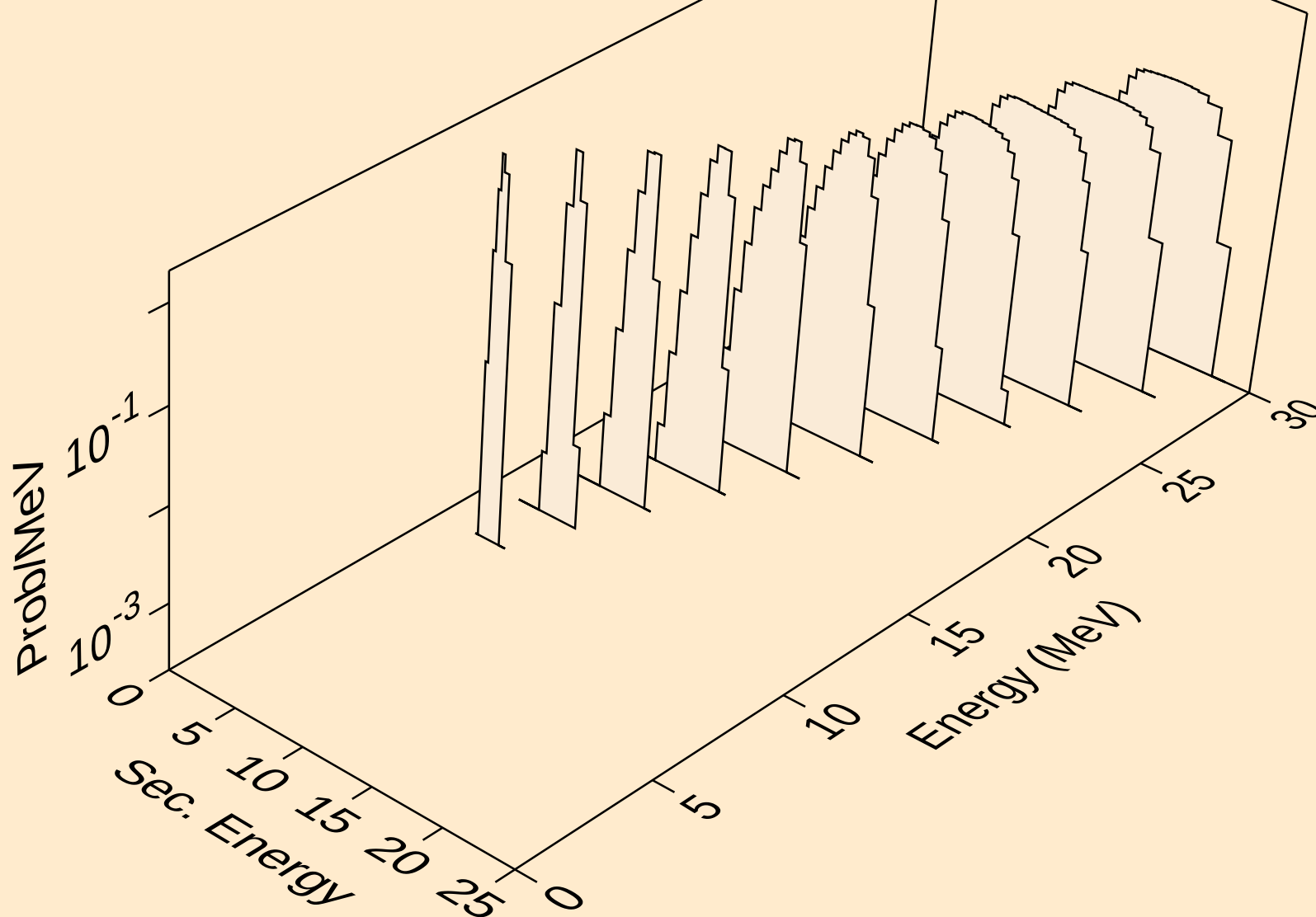
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)



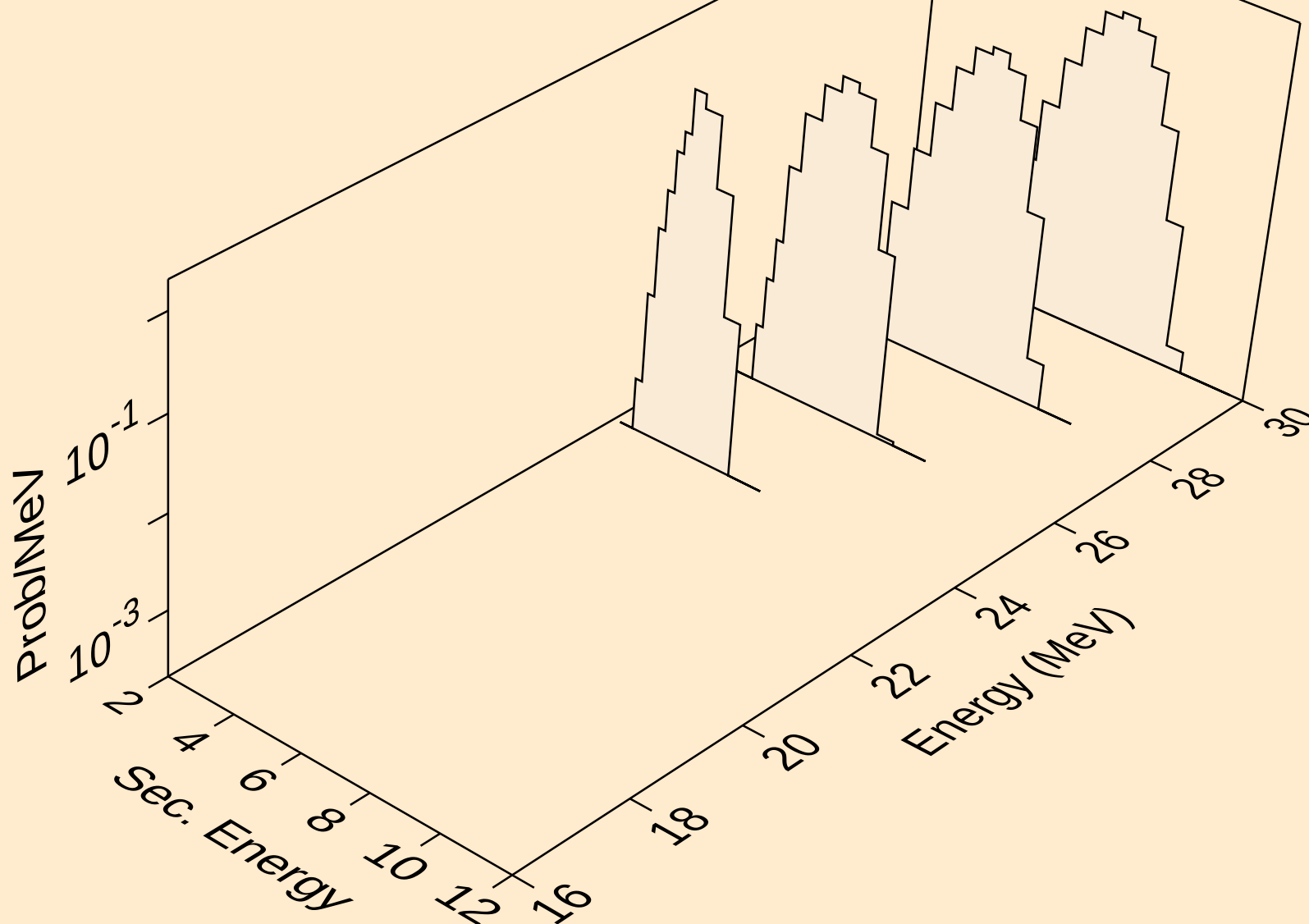
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,pa)

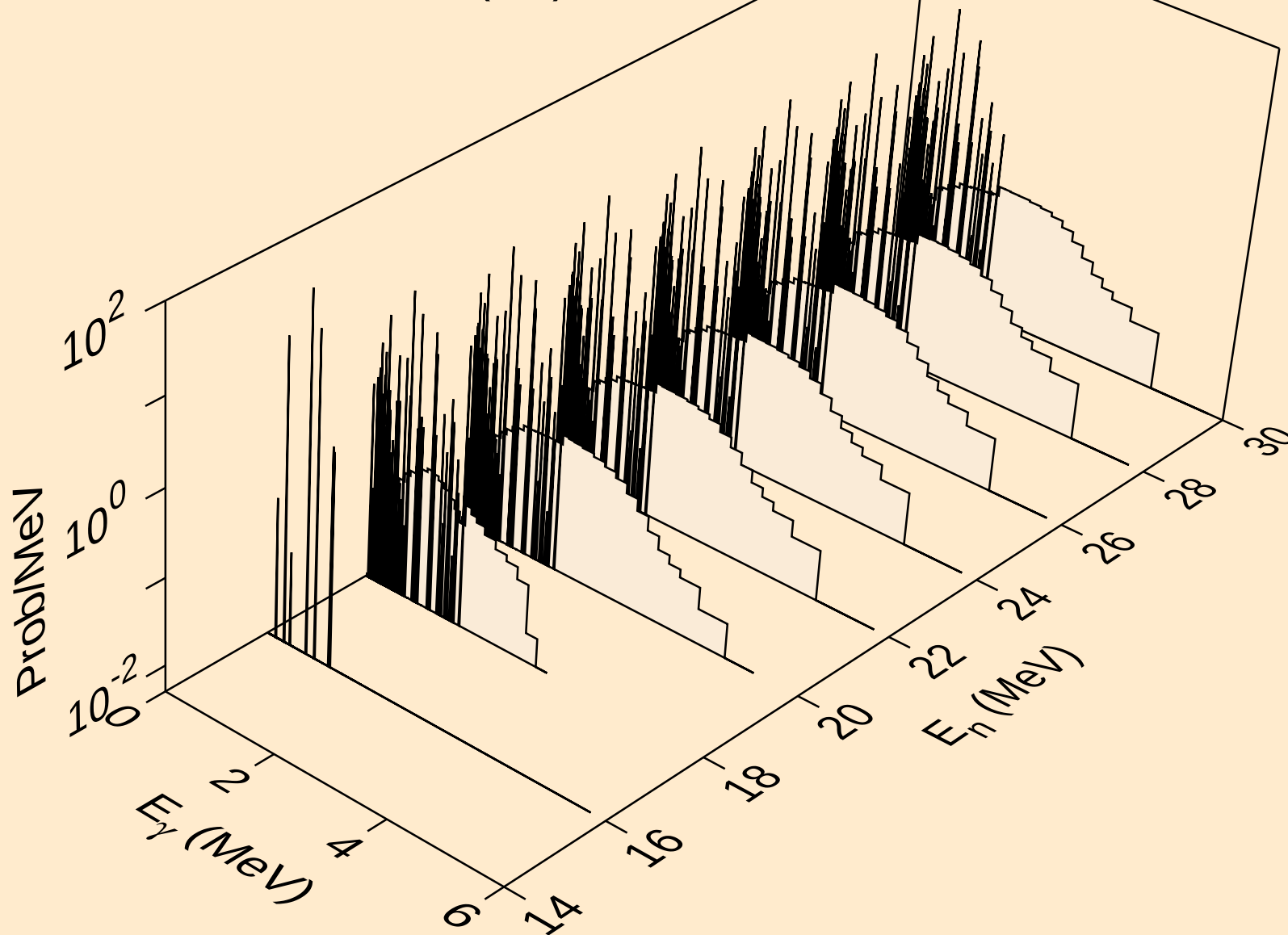


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,da)

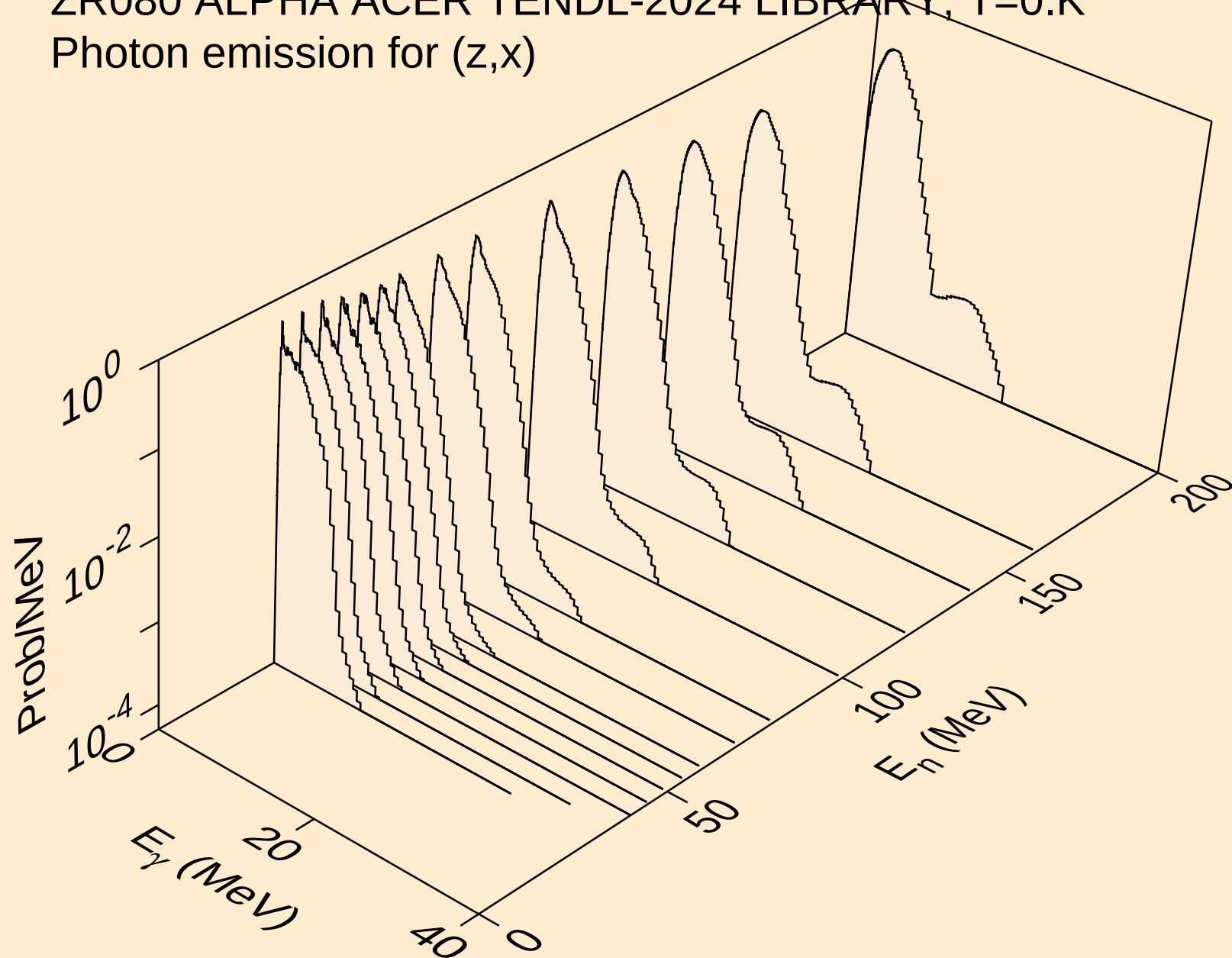


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



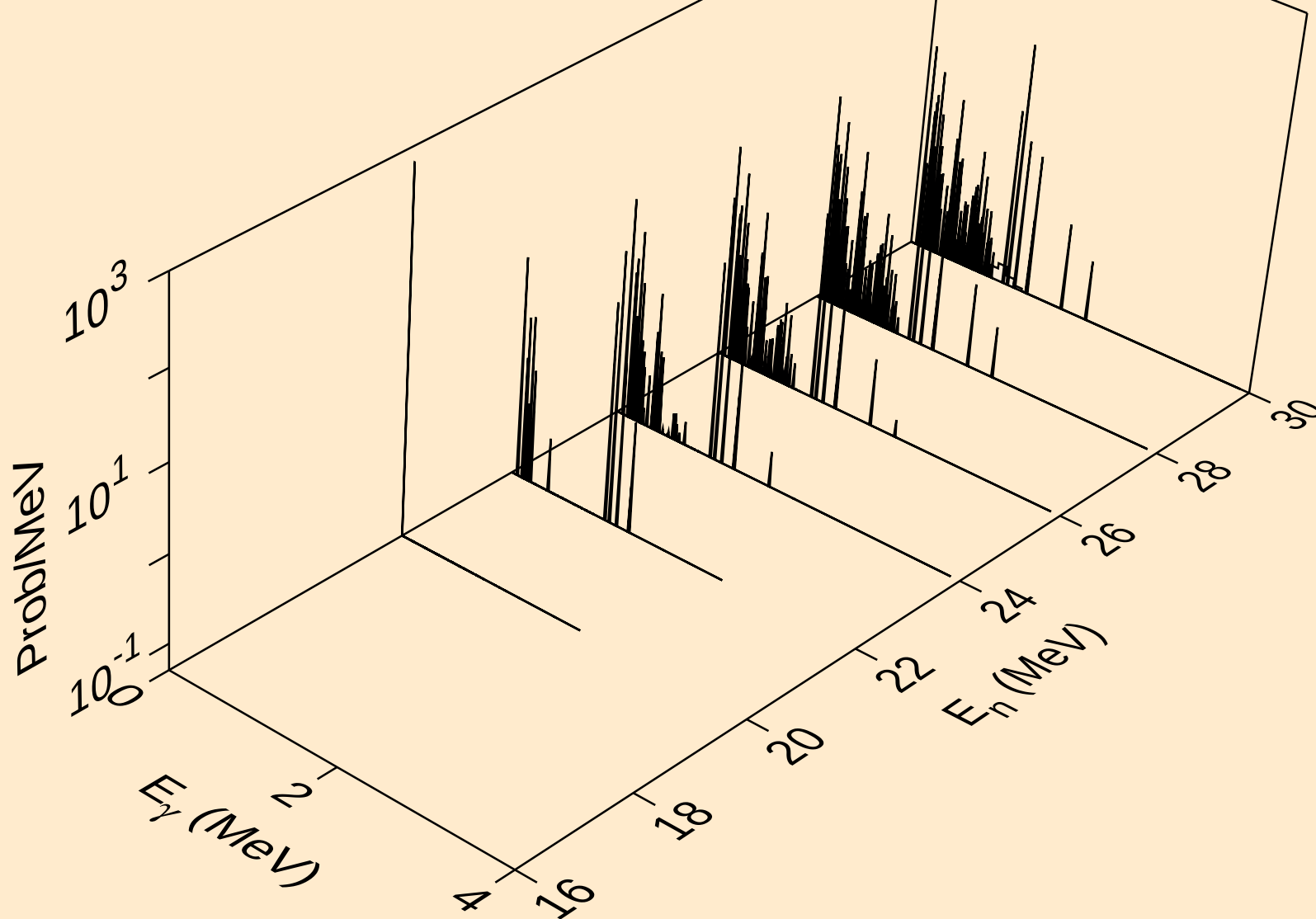
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (z,x)



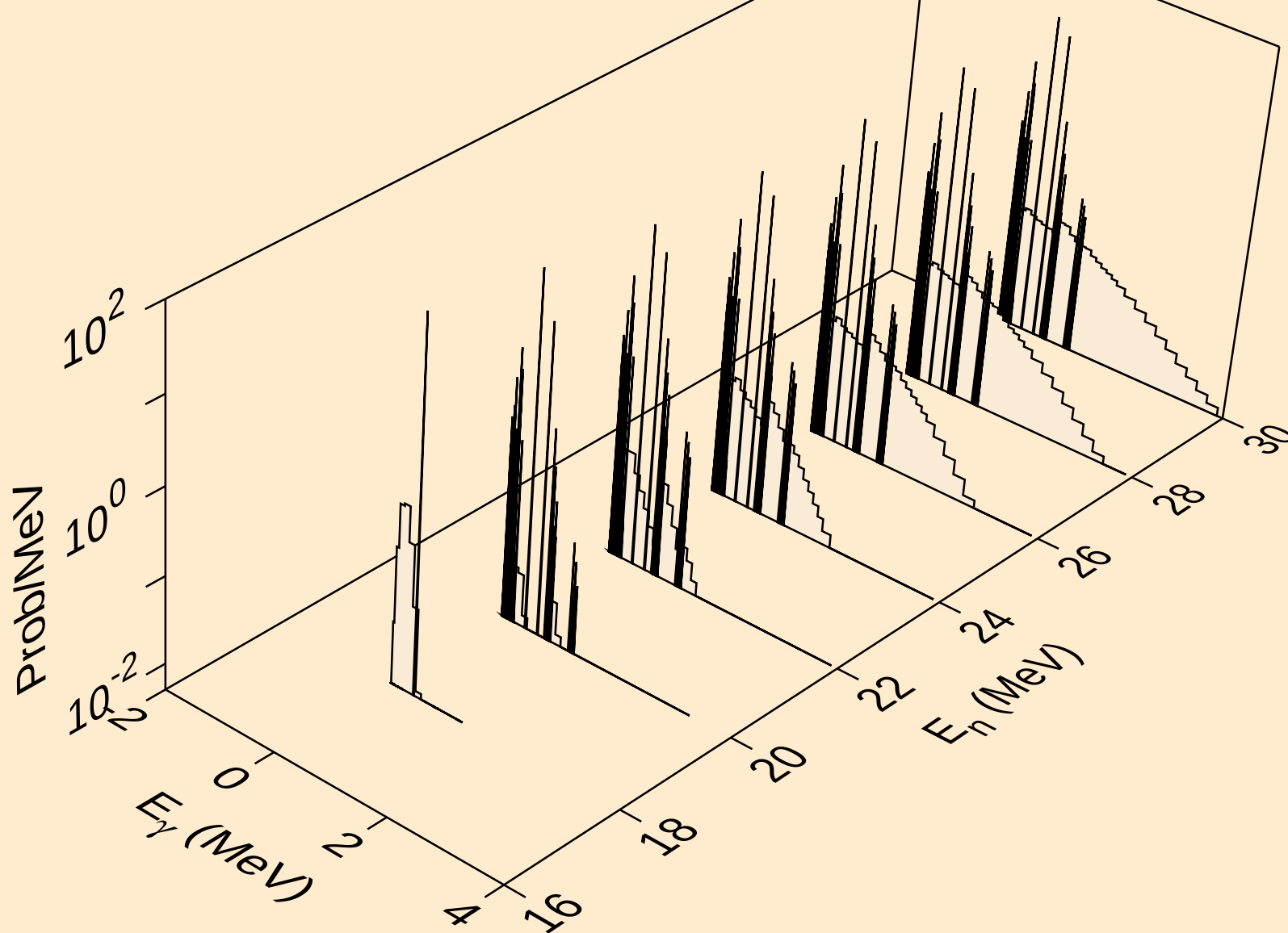
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a

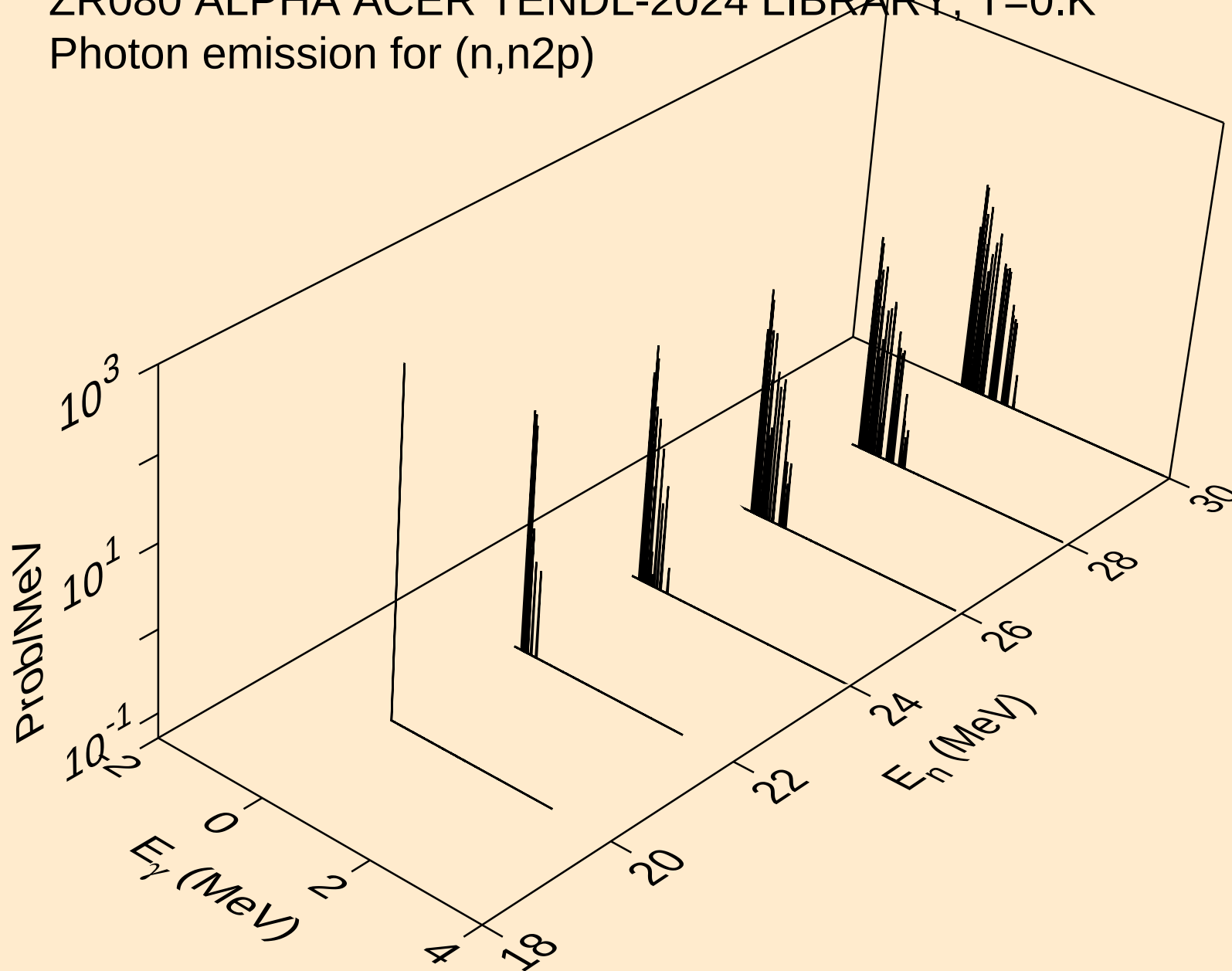


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p

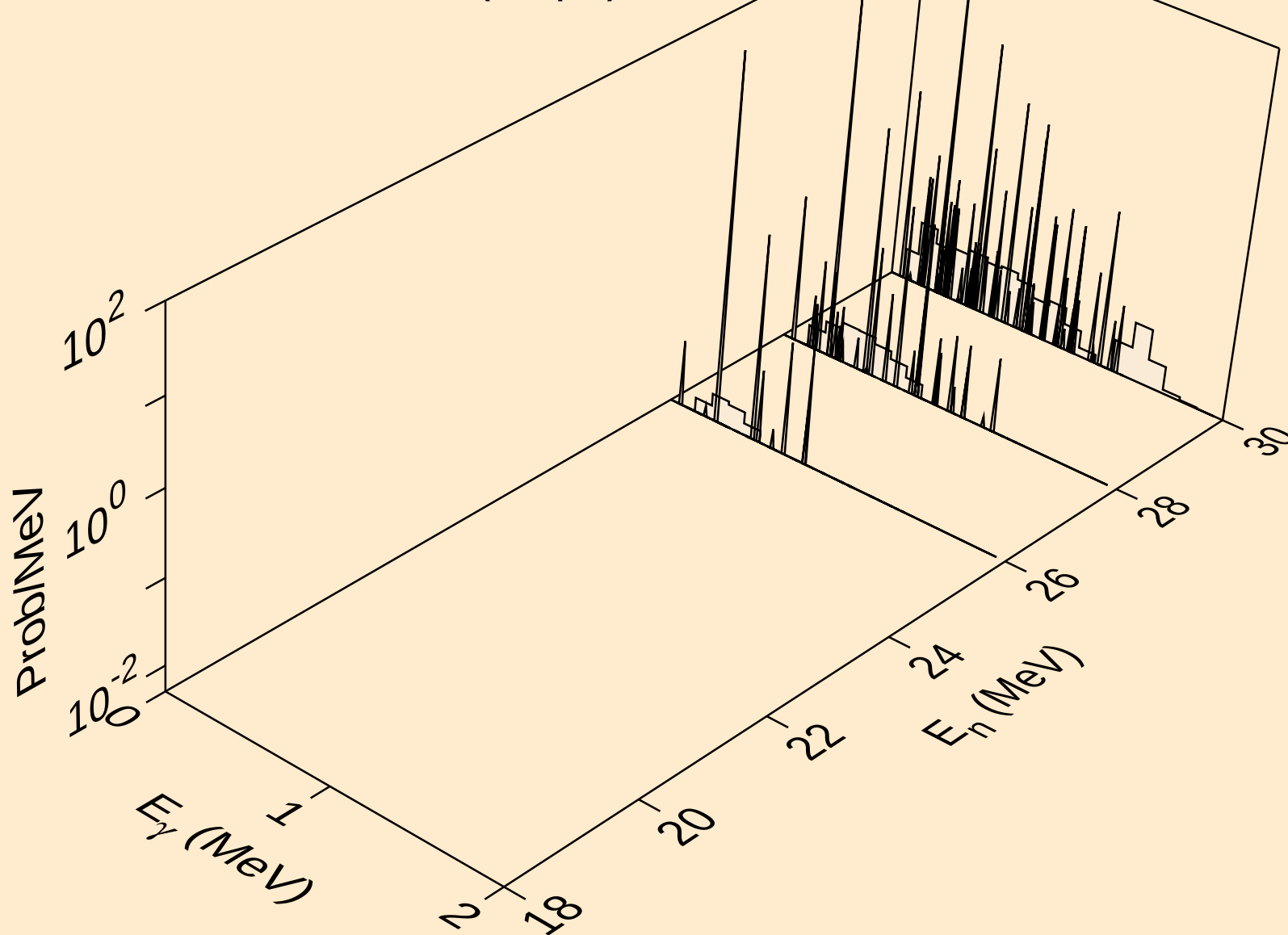


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

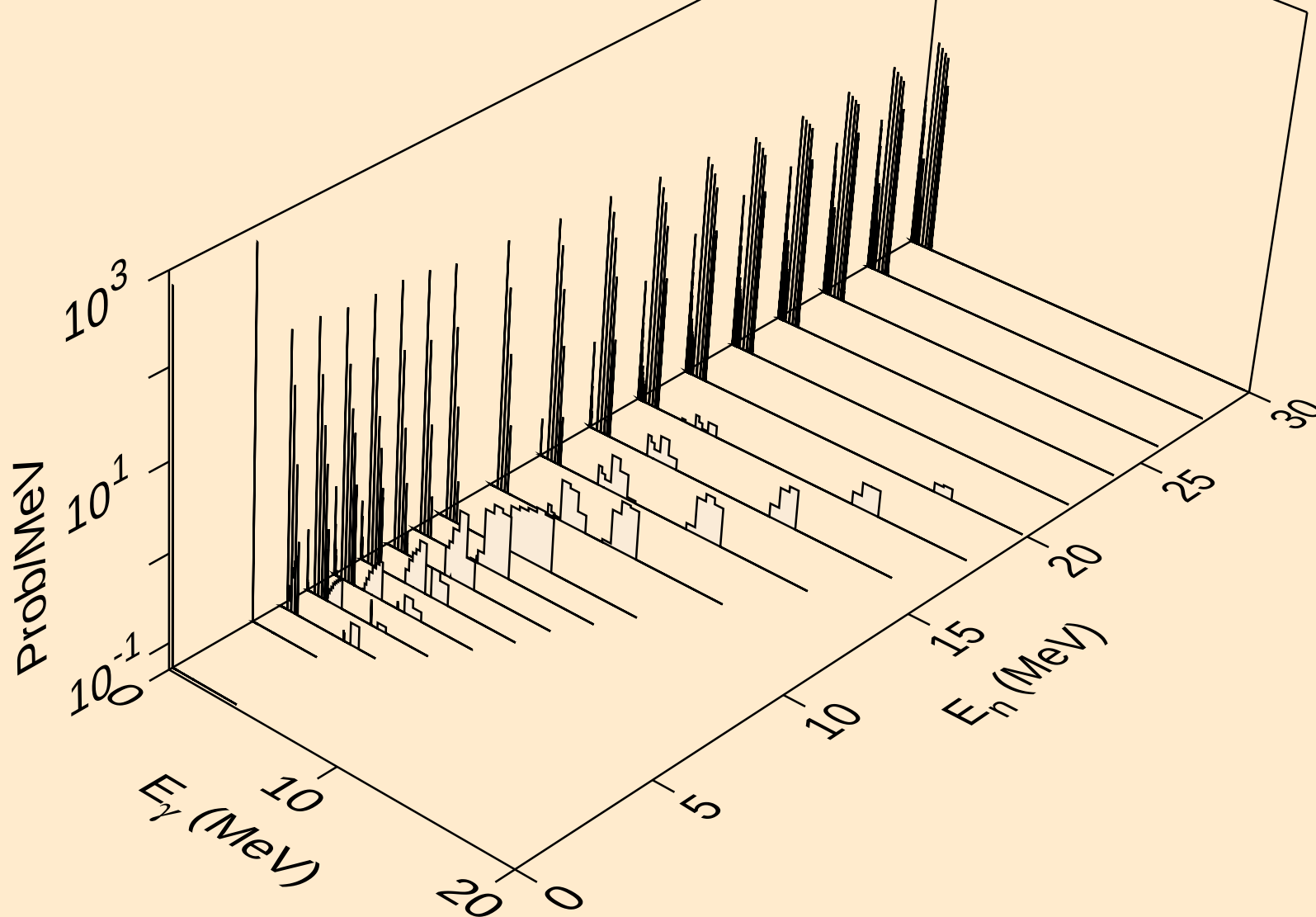


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

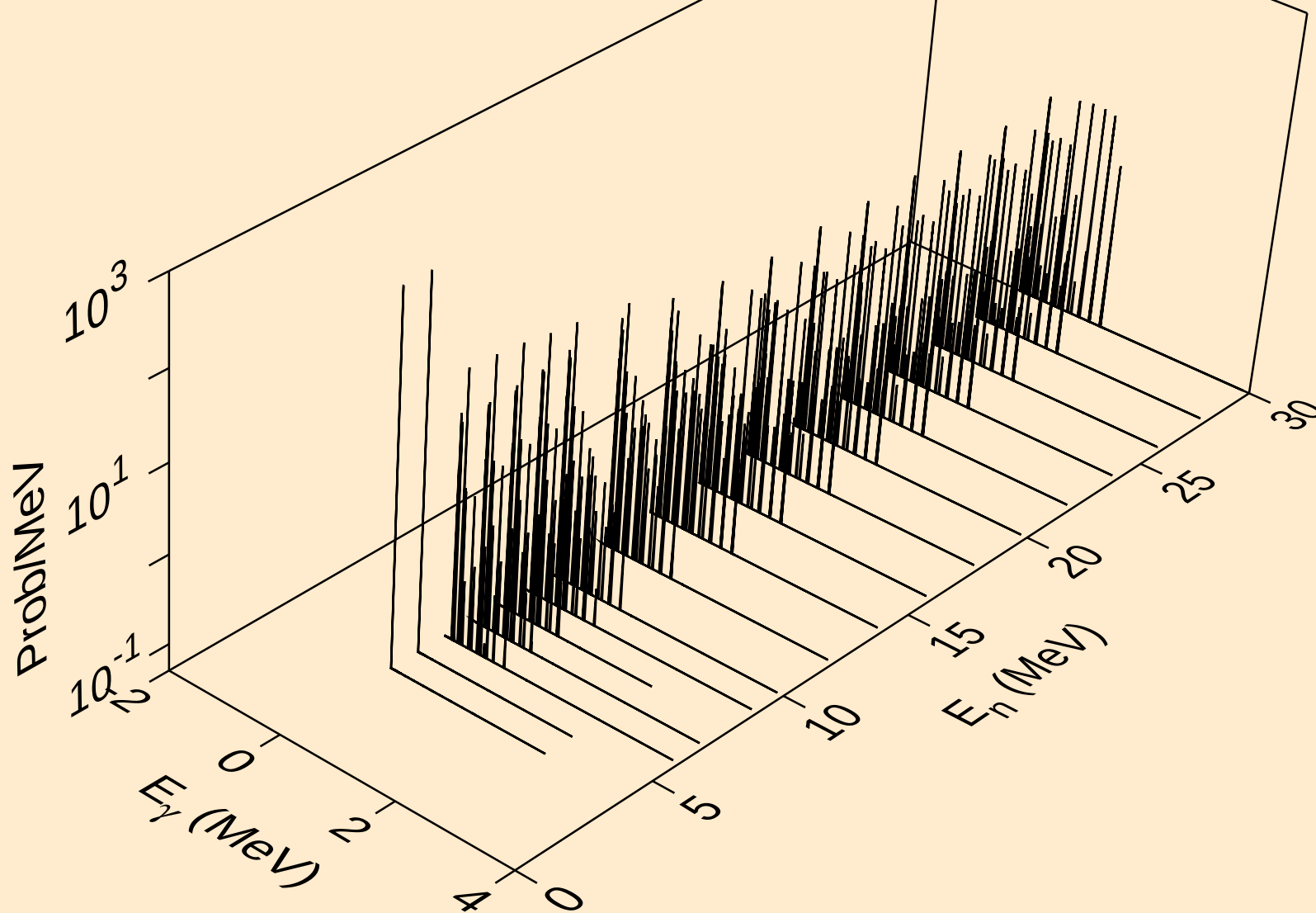
Photon emission for (n,npa)



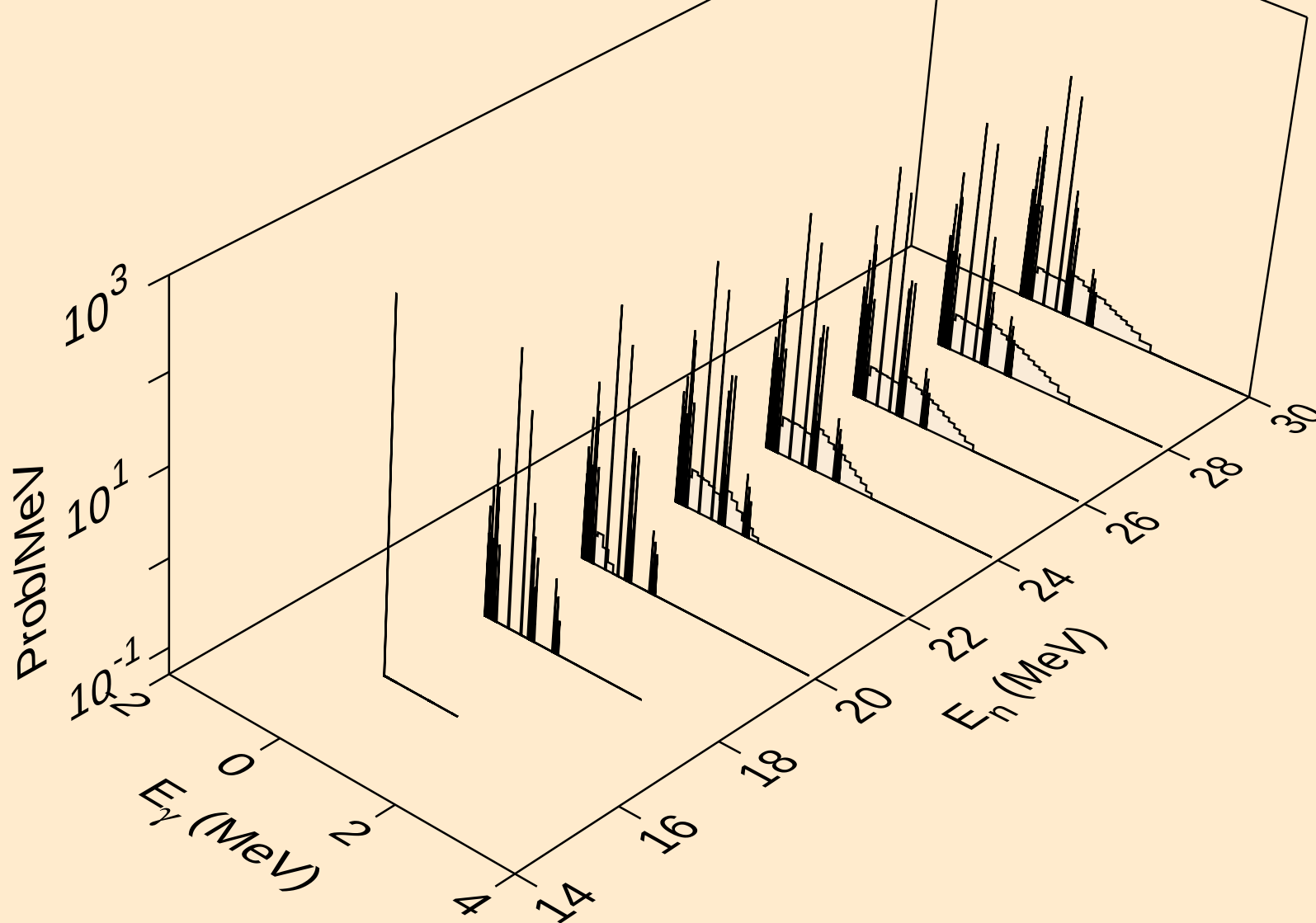
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)

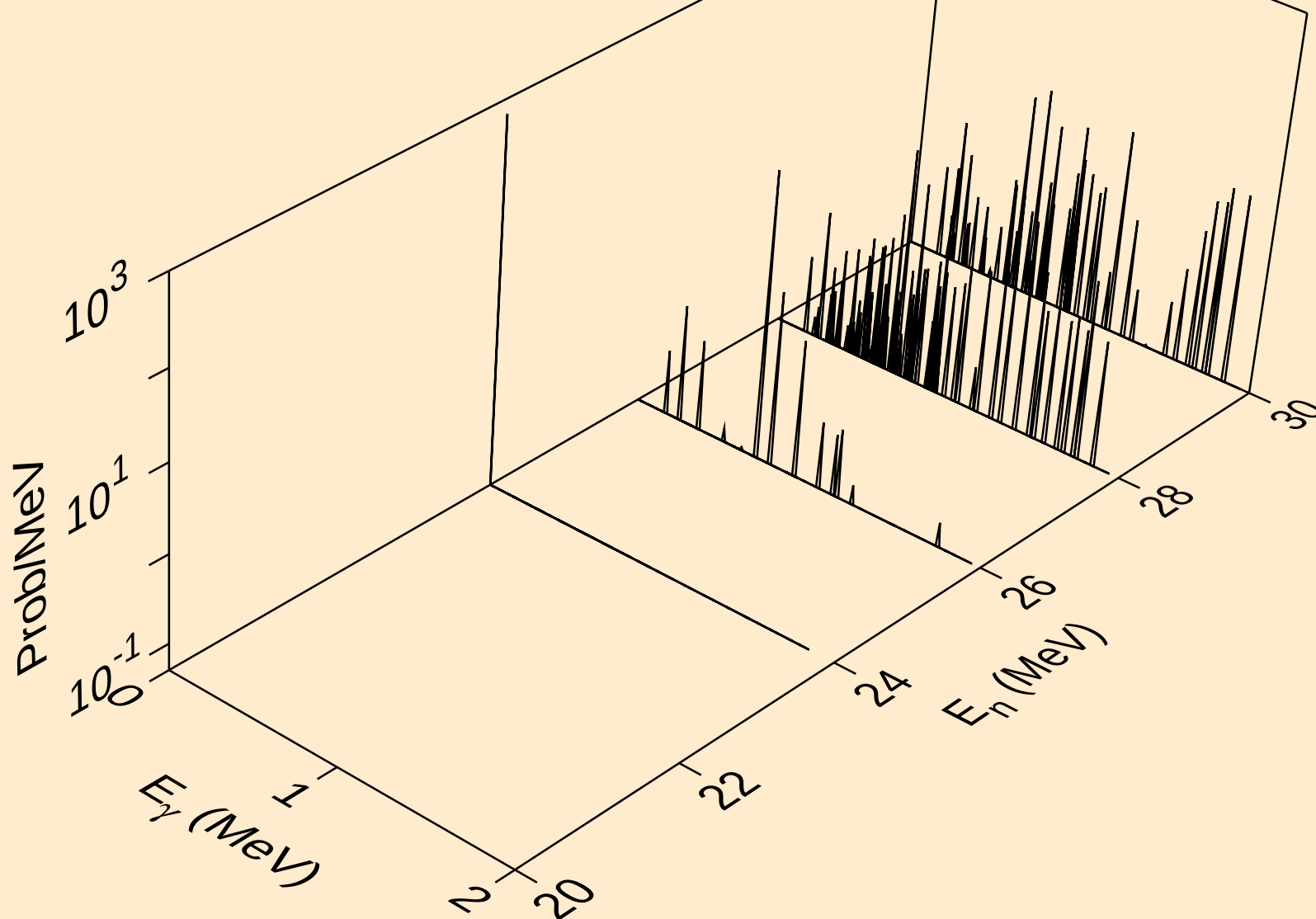


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

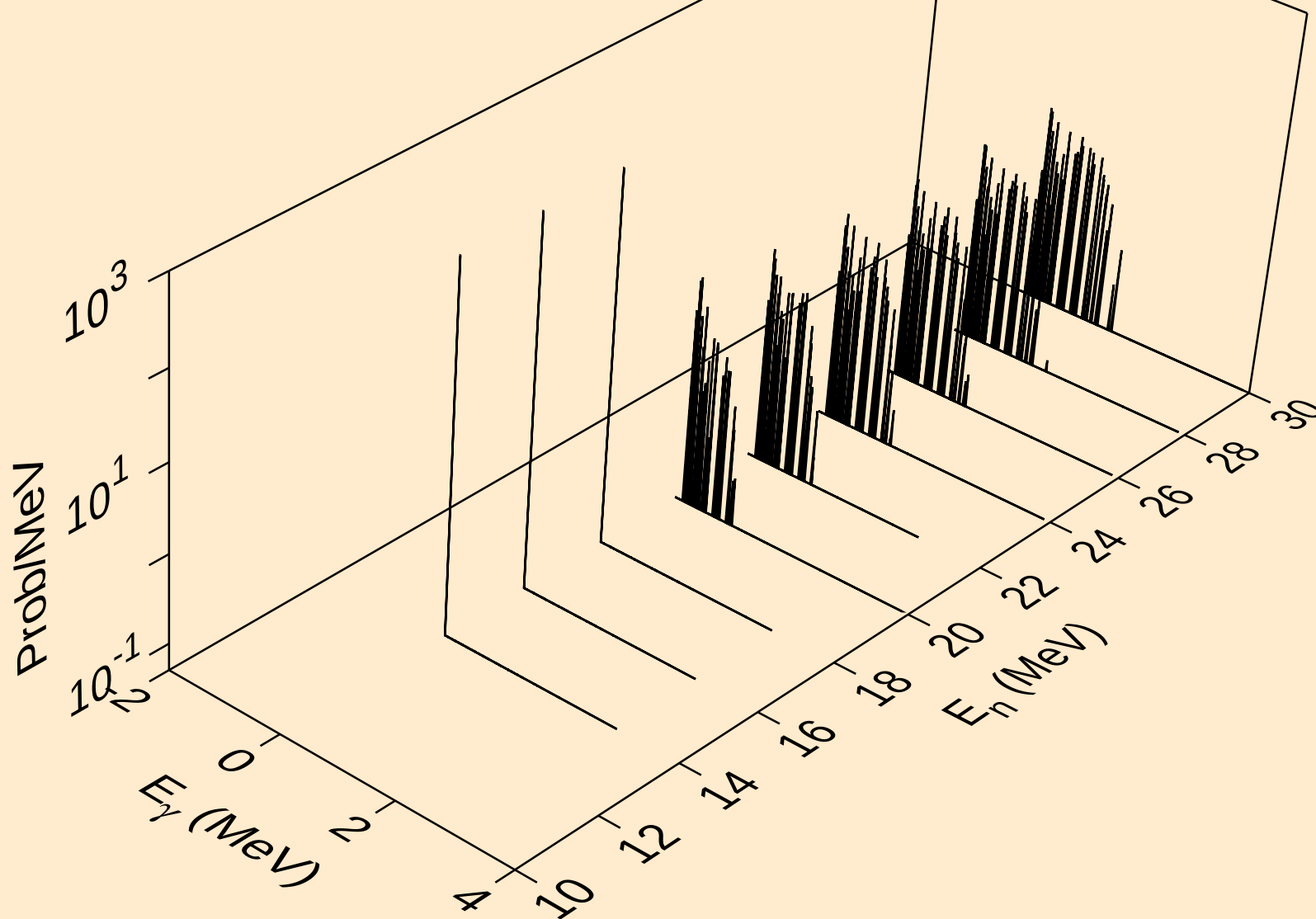


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

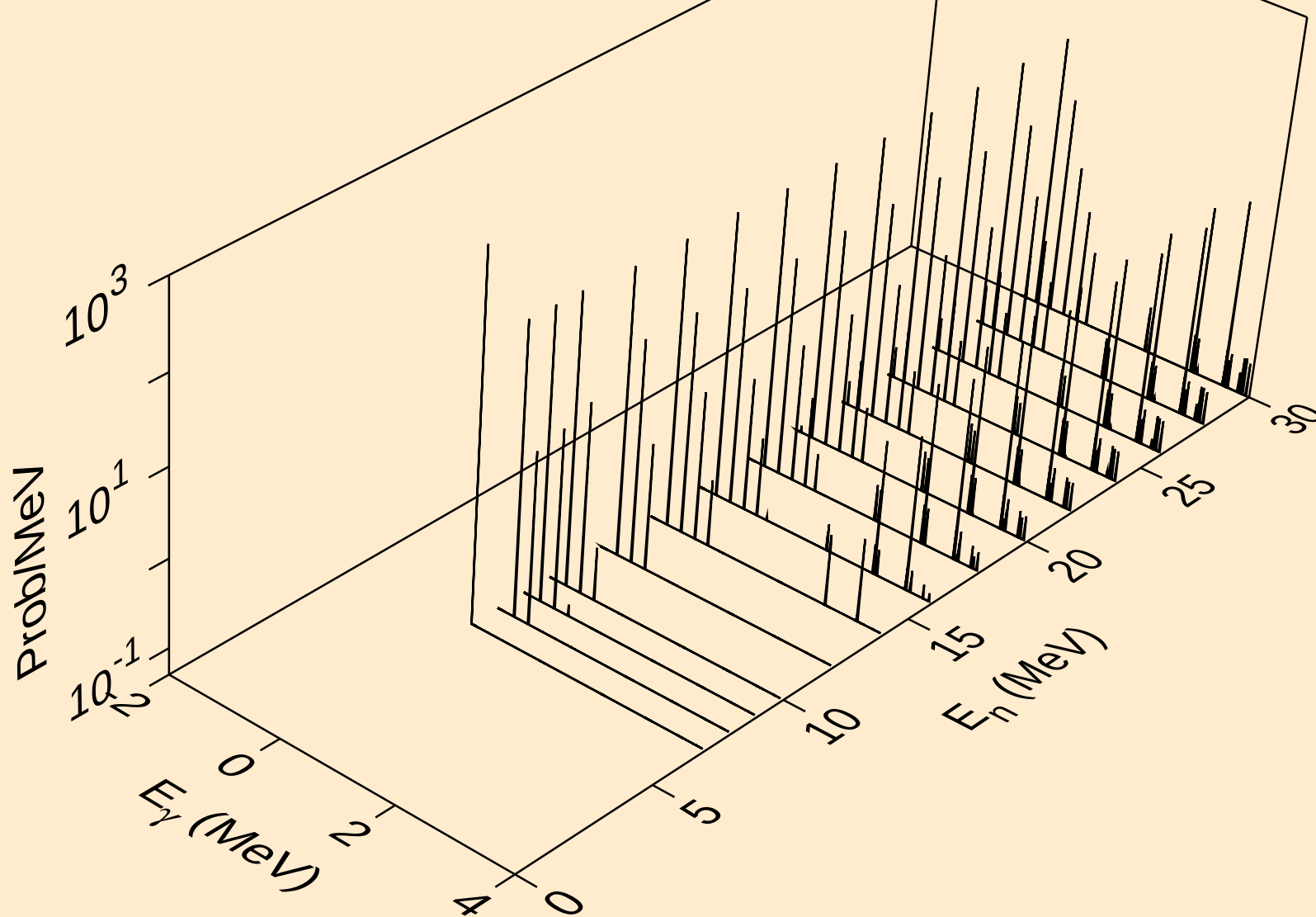
Photon emission for (n,t)



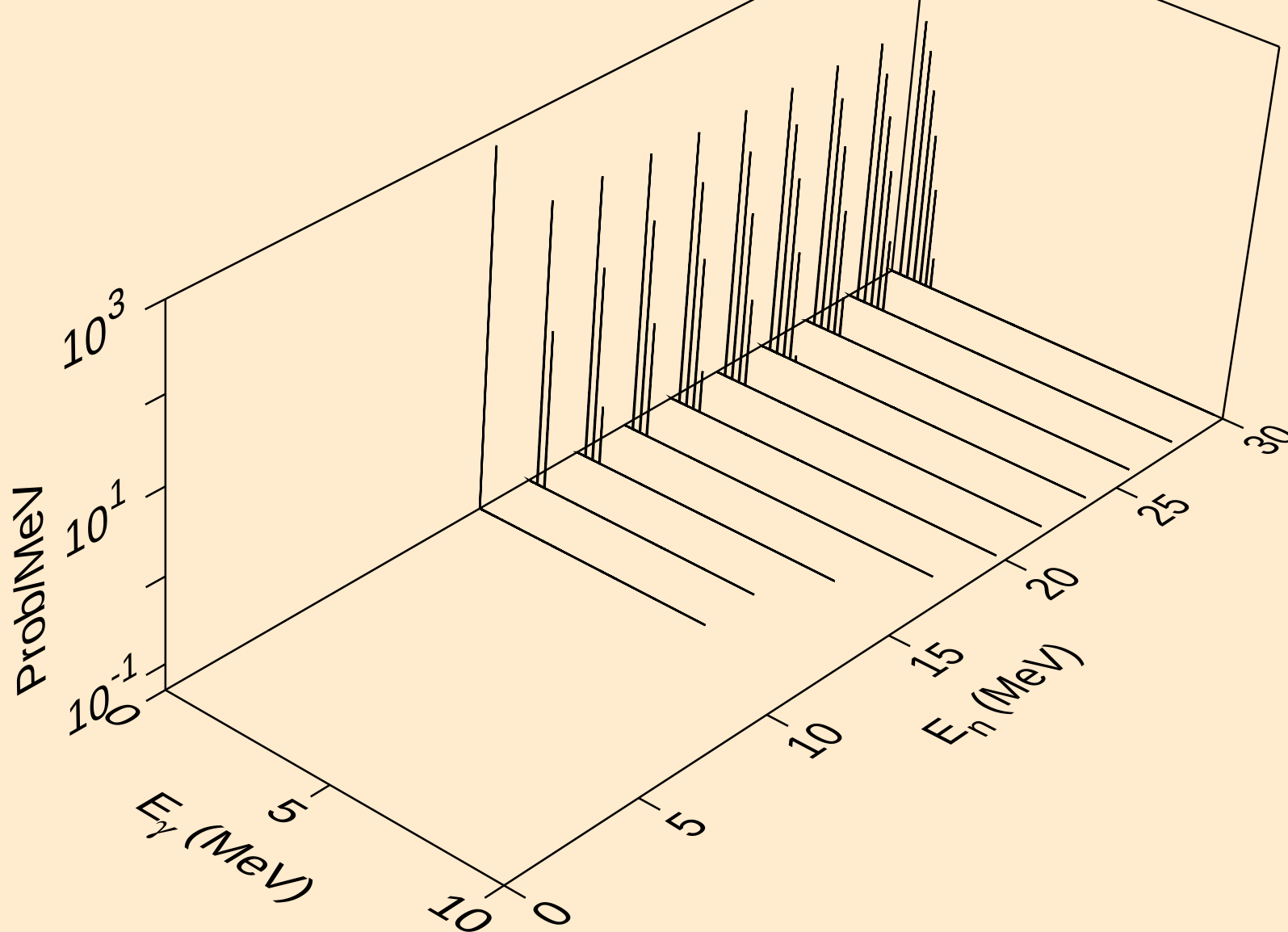
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Photon emission for (n,he3)



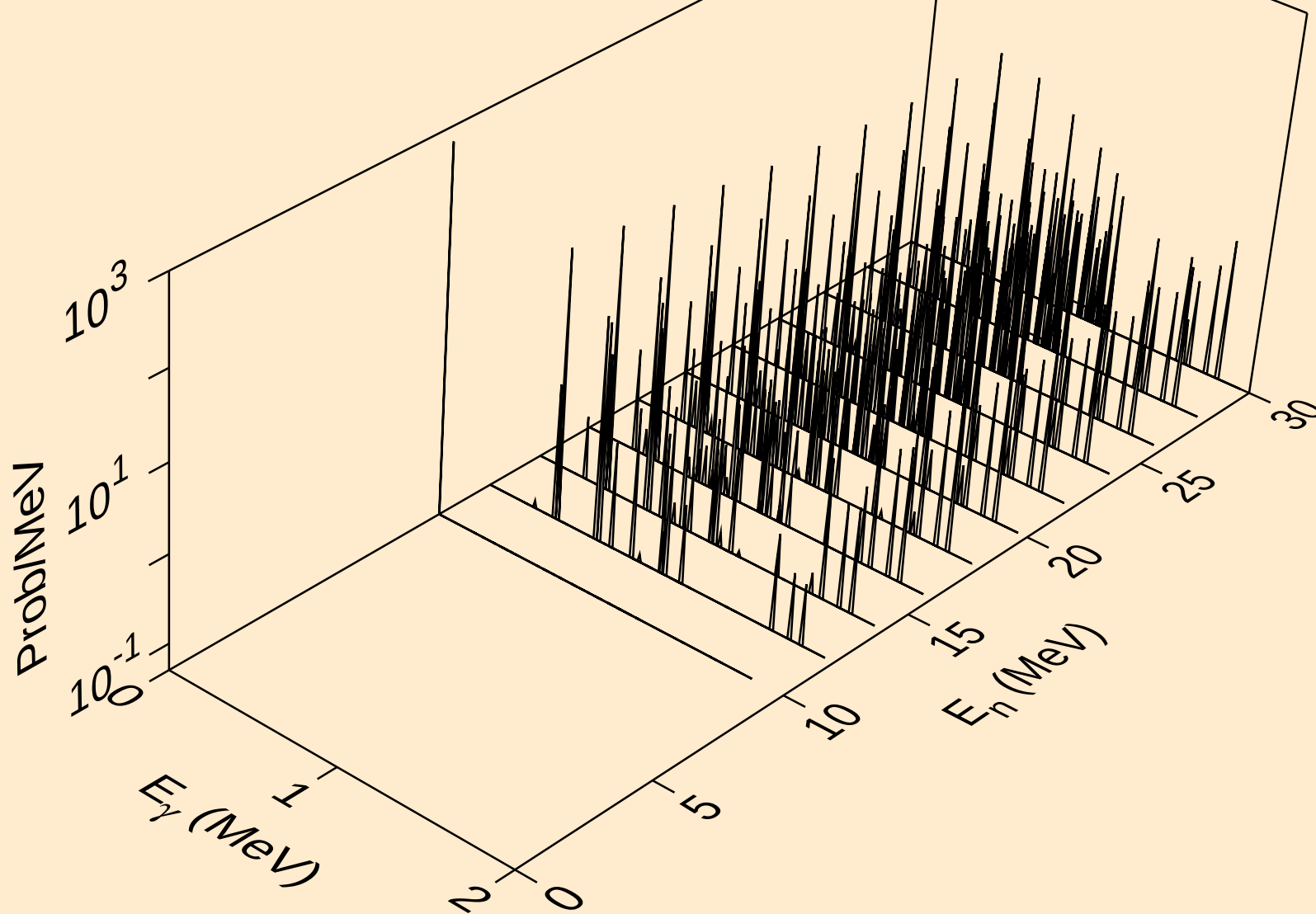
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



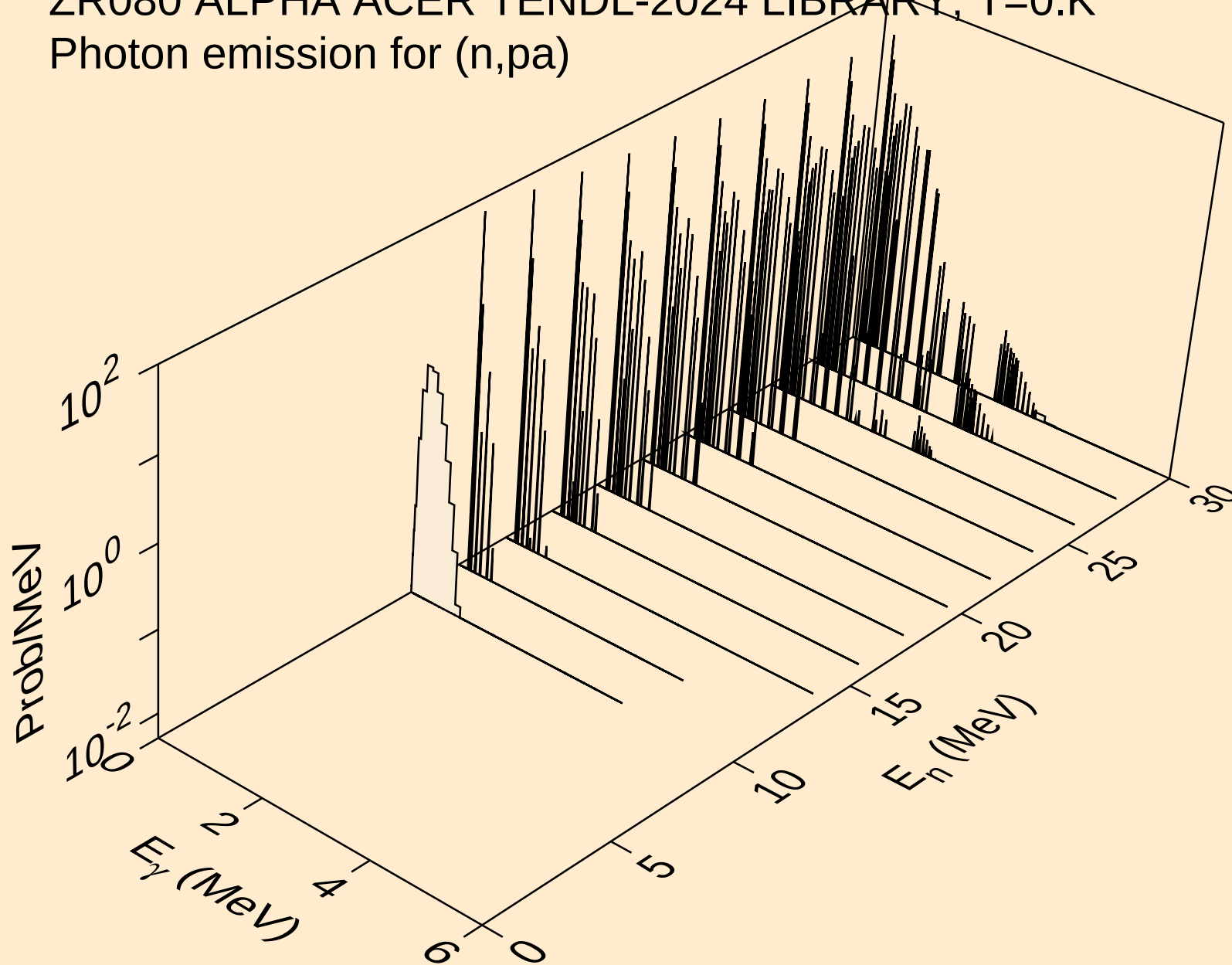
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Photon emission for (n,2a)



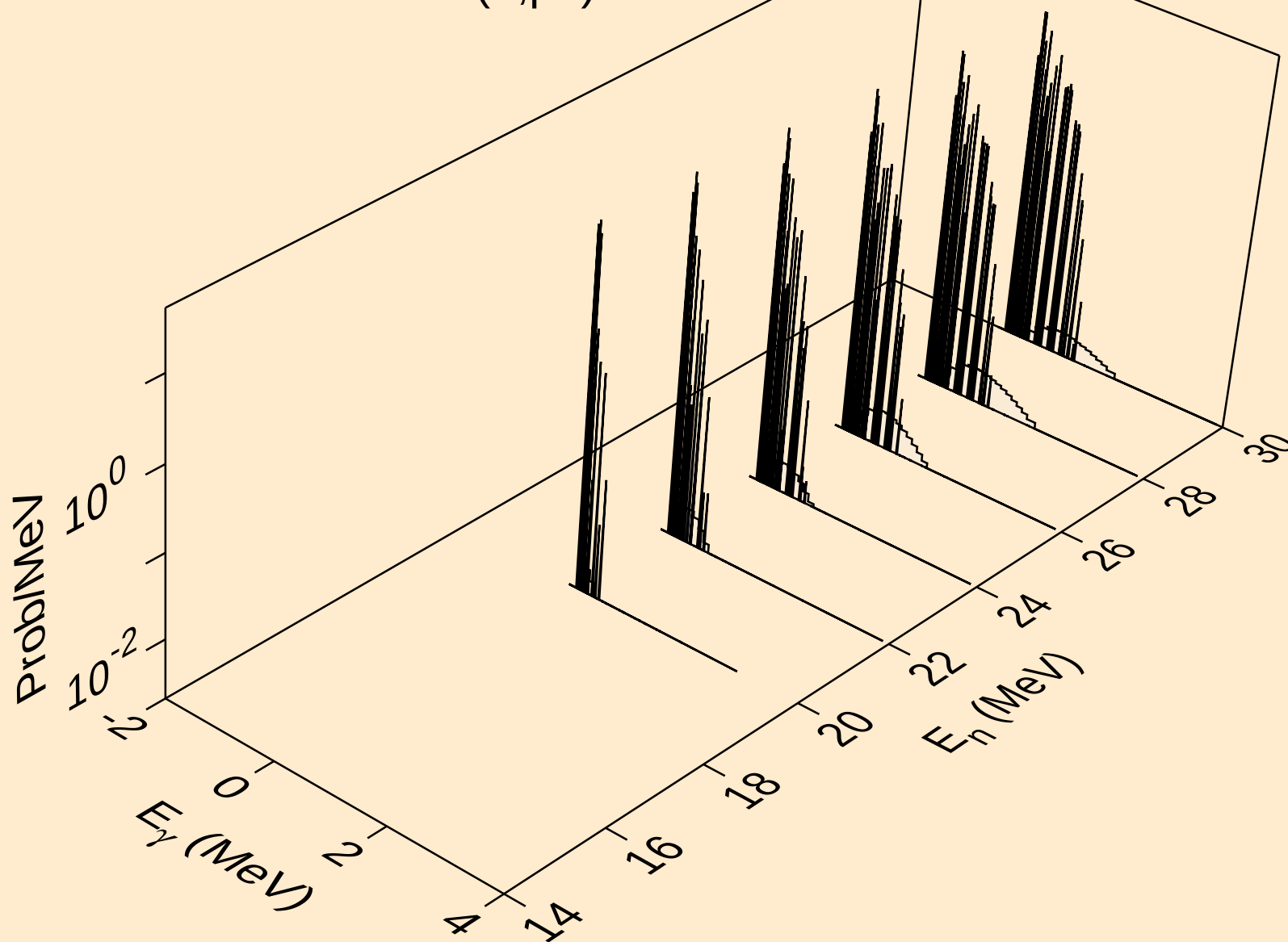
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

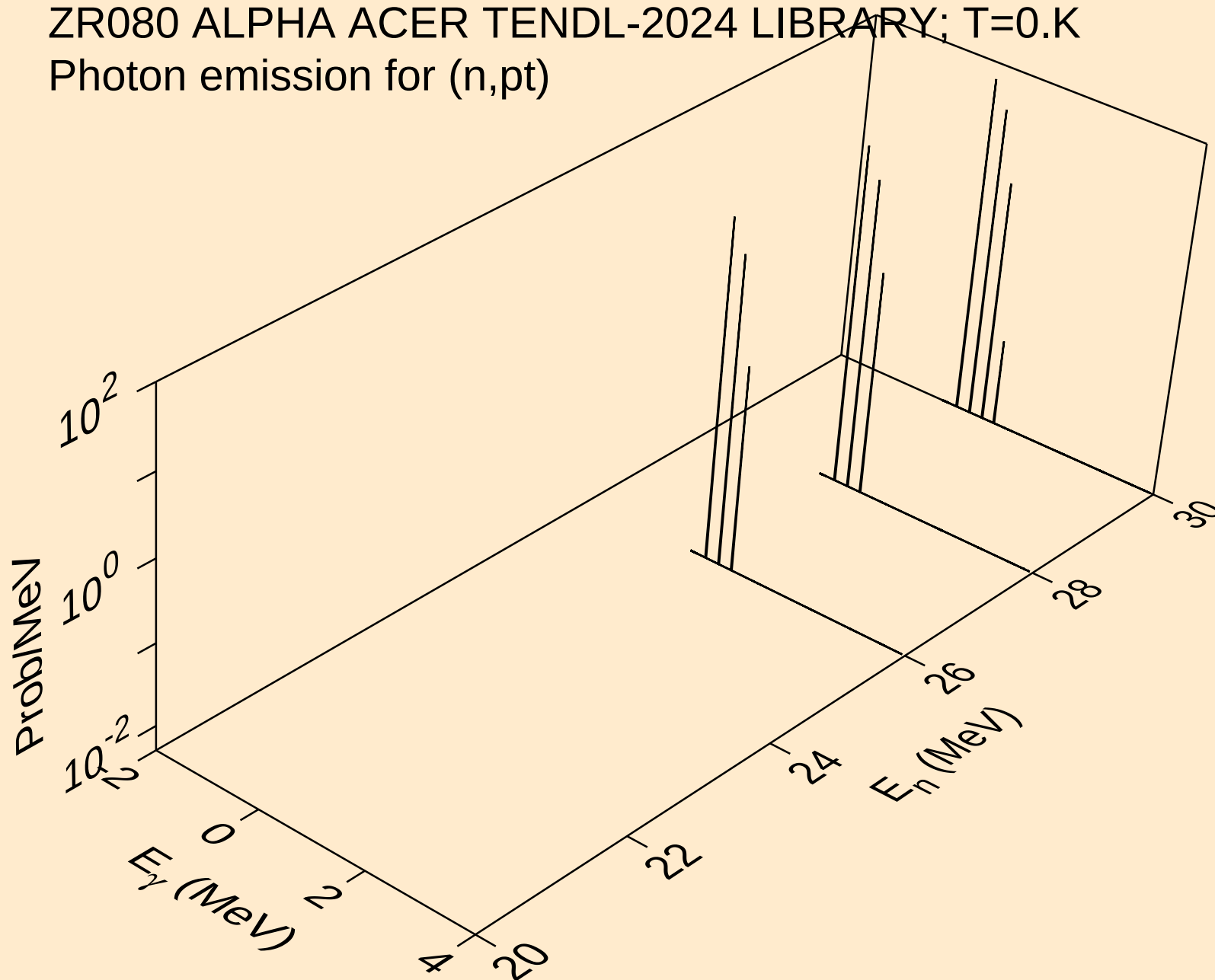


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

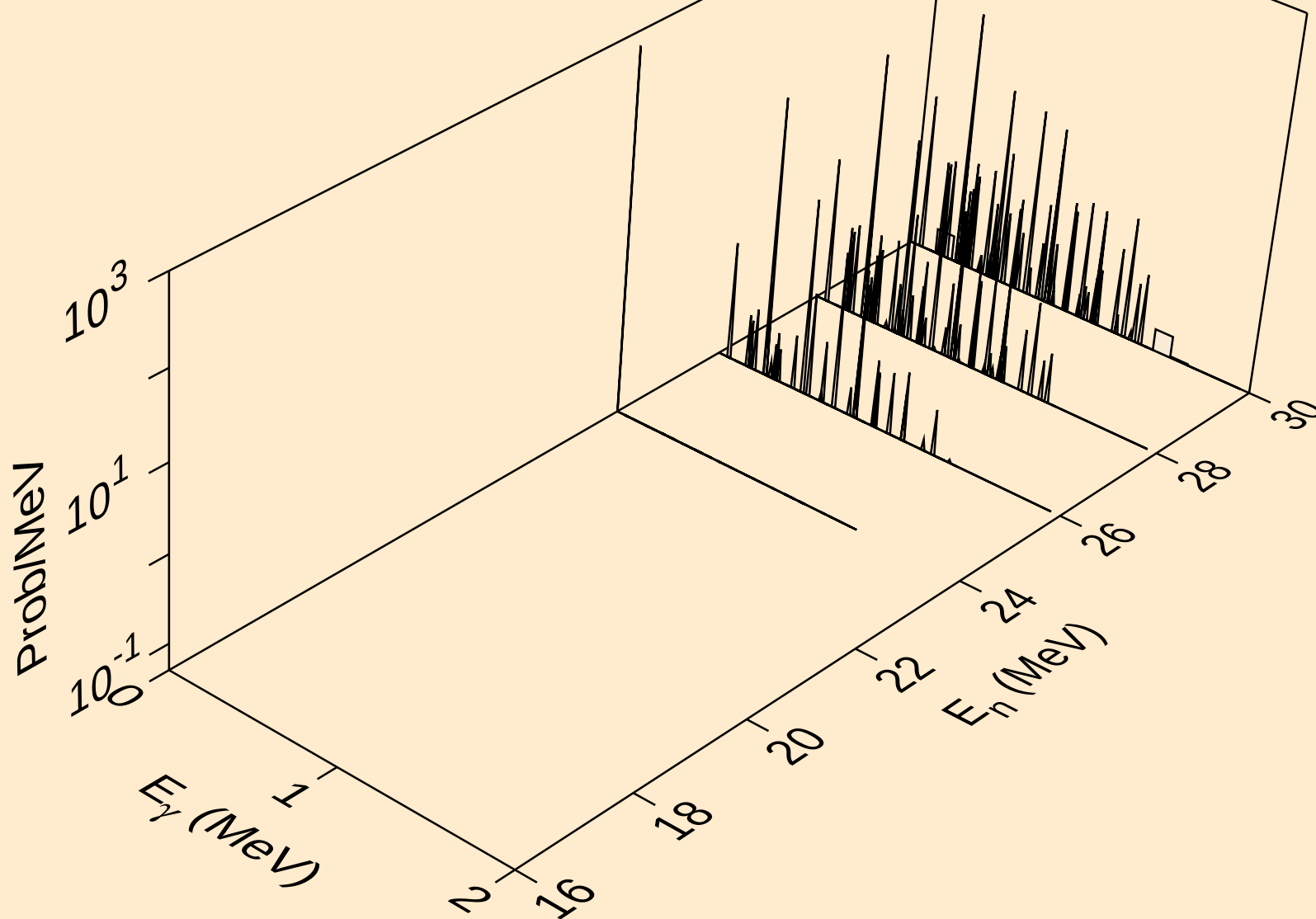


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

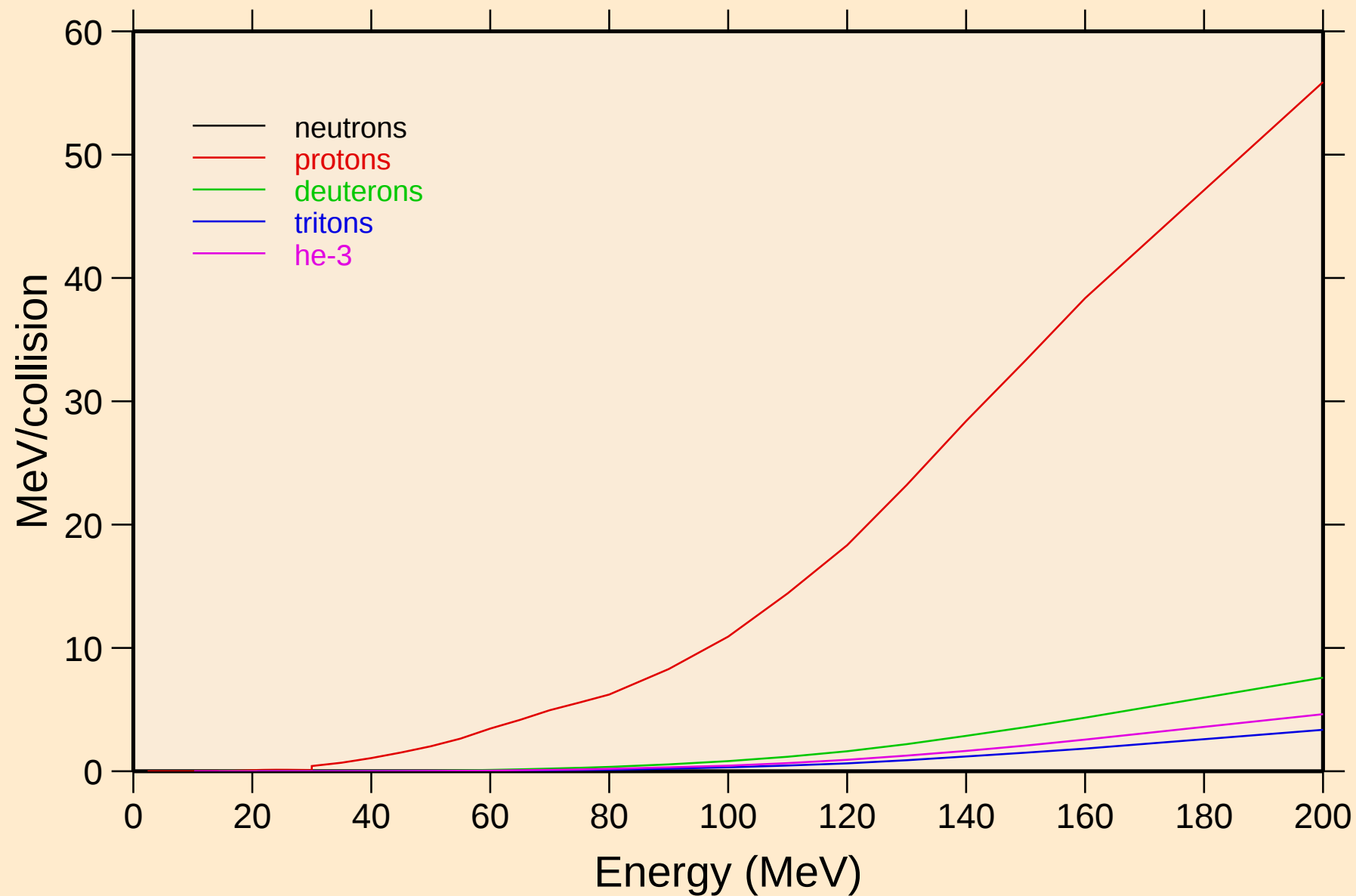


ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



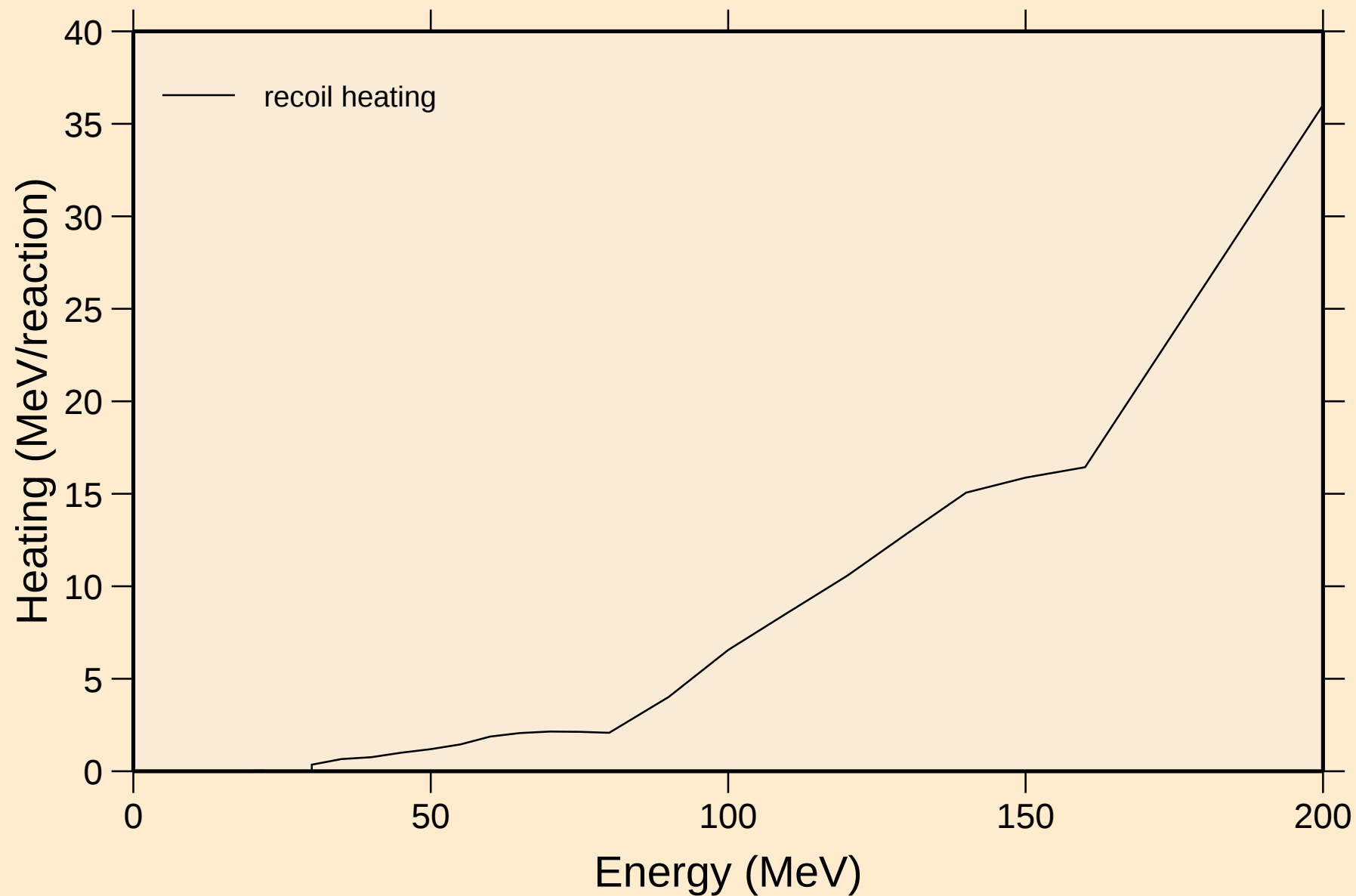
# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



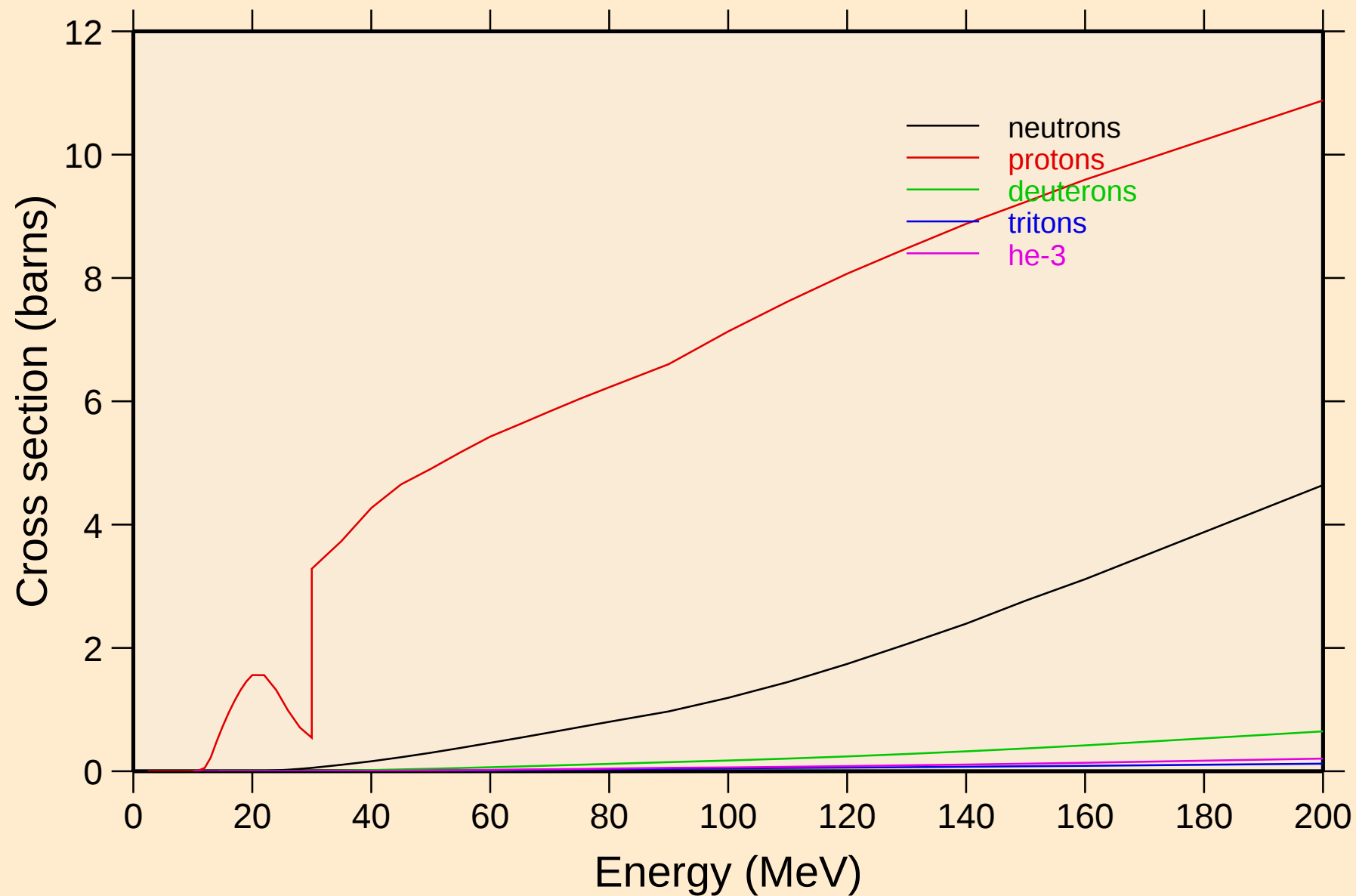
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## Recoil Heating

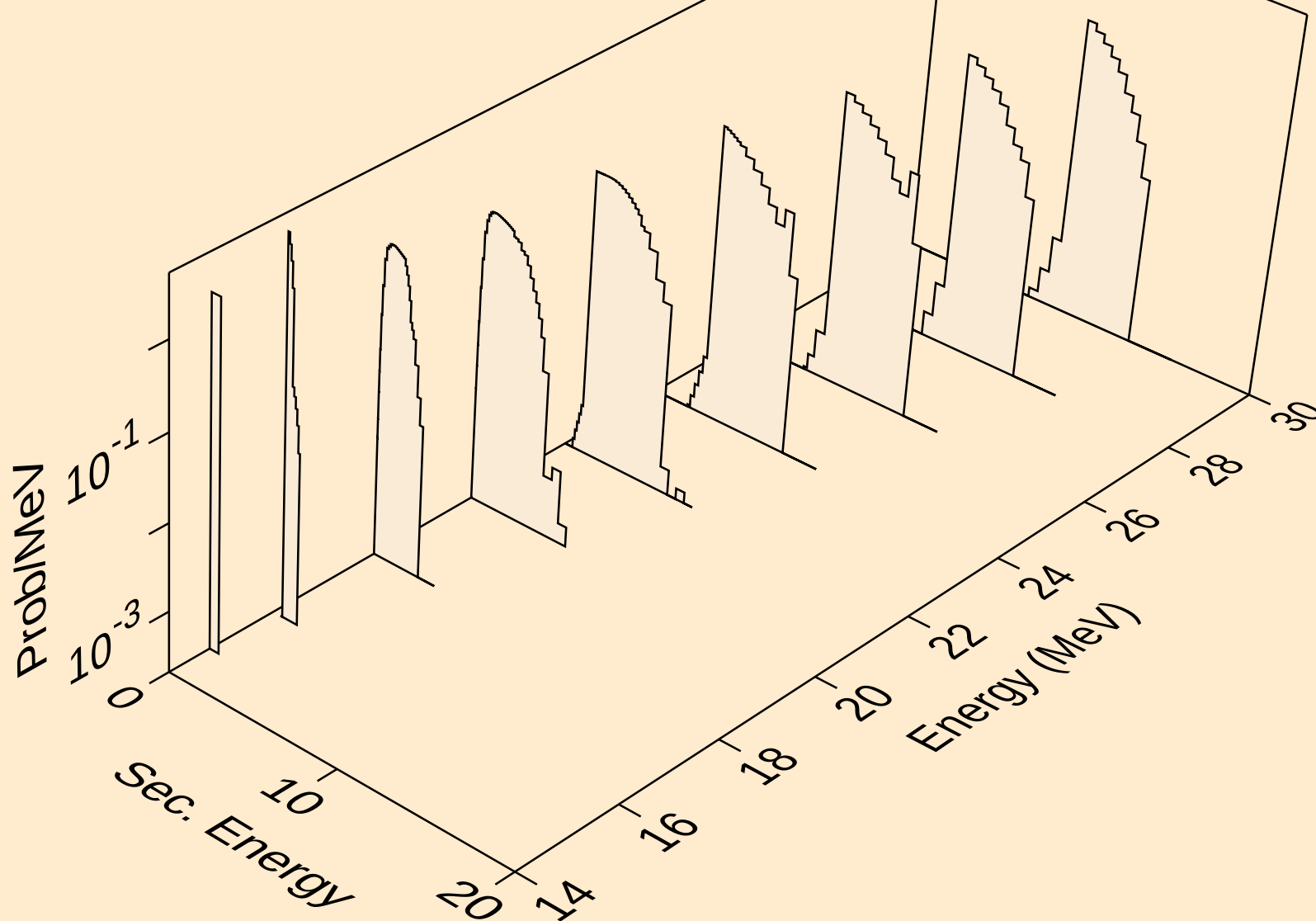


# ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

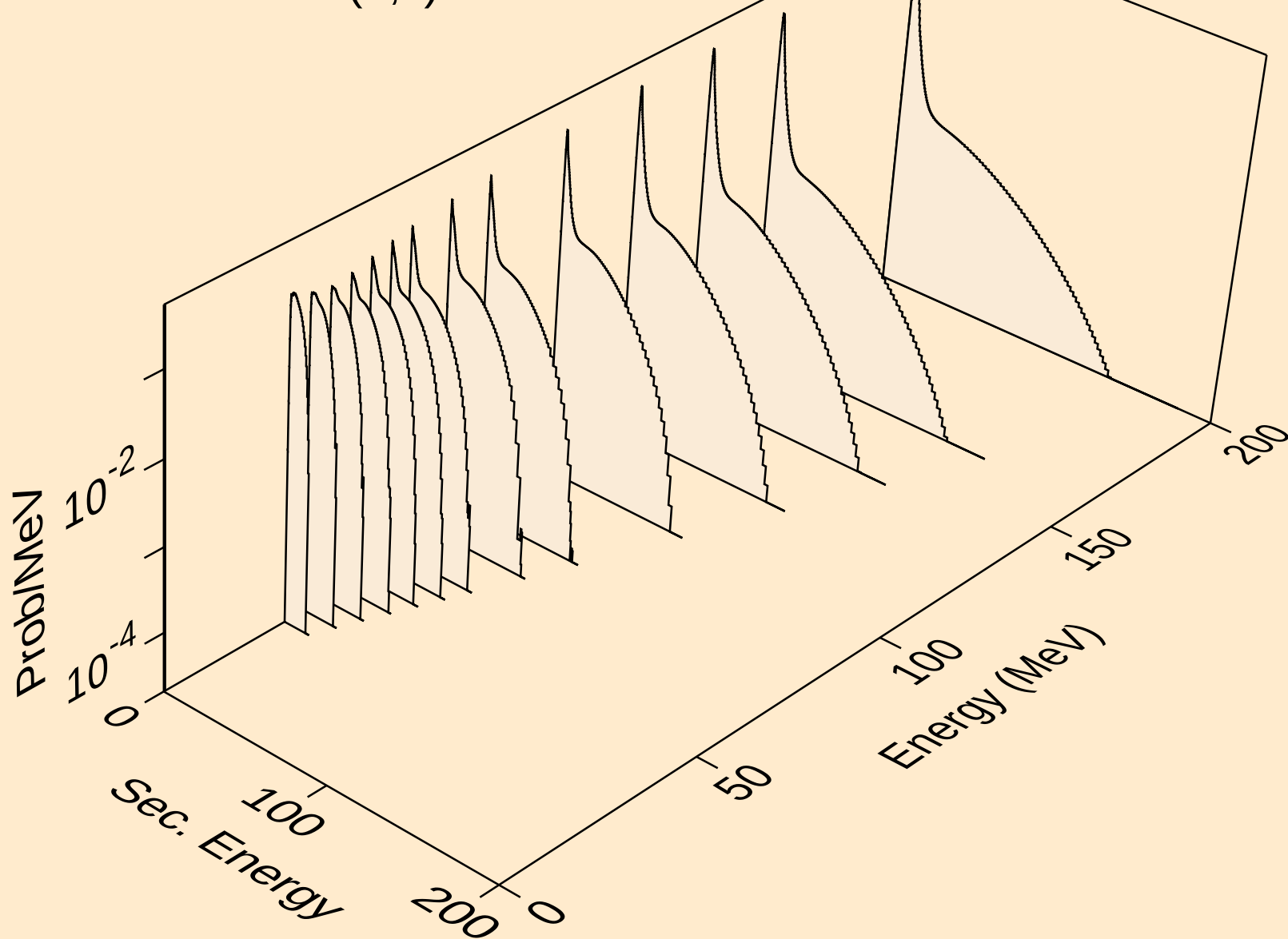
## Particle production cross sections



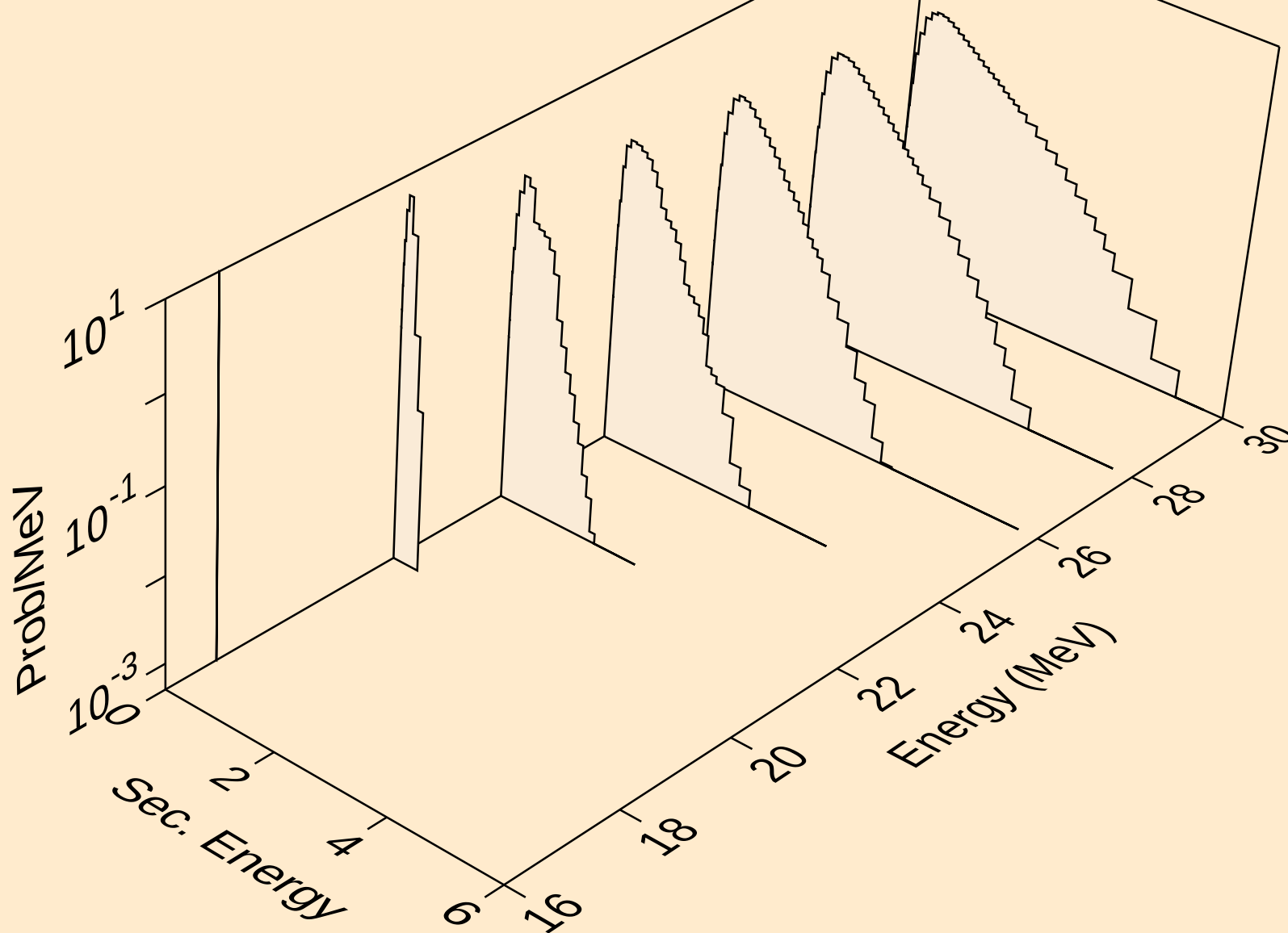
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



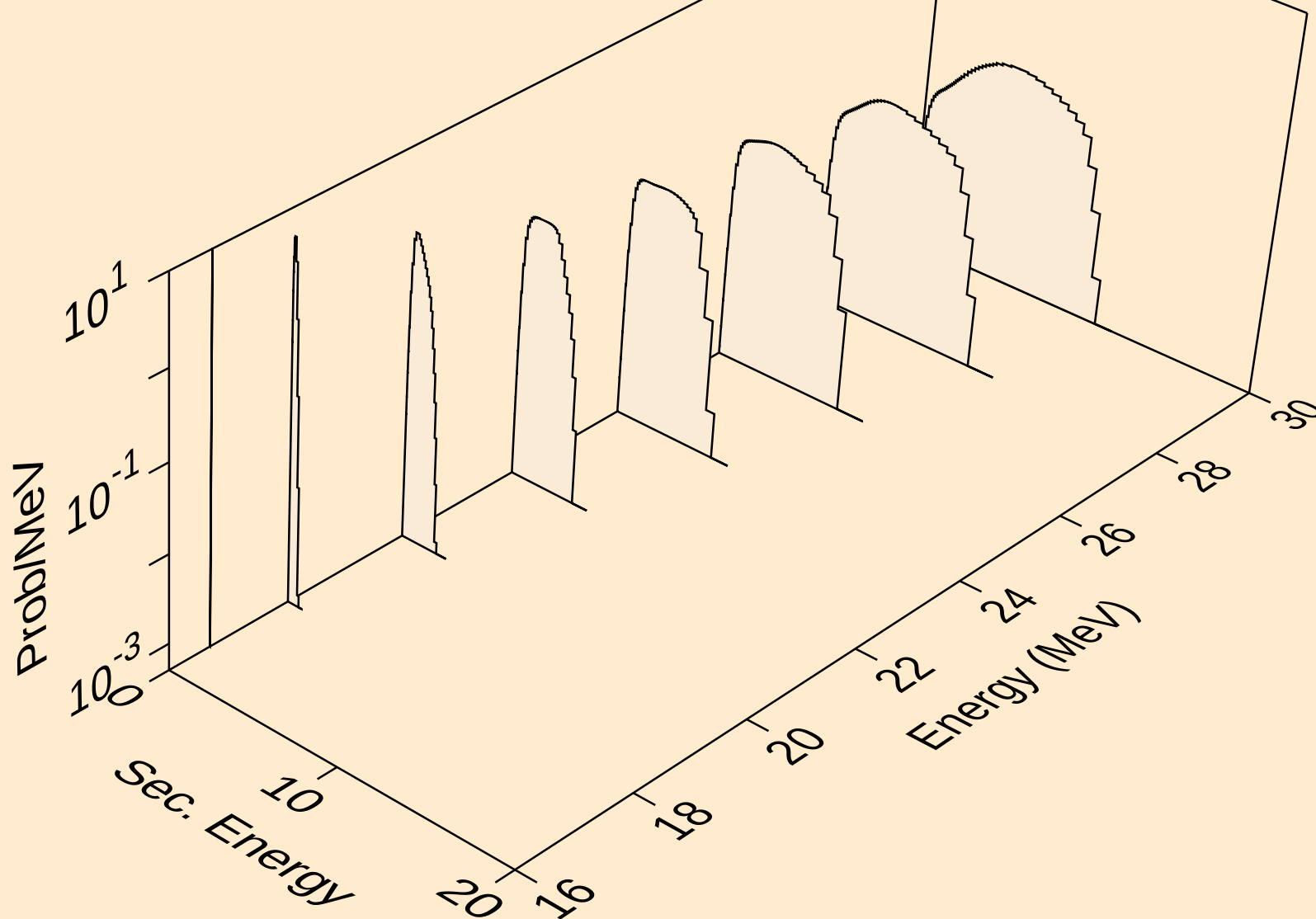
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neutrons from (a,x)



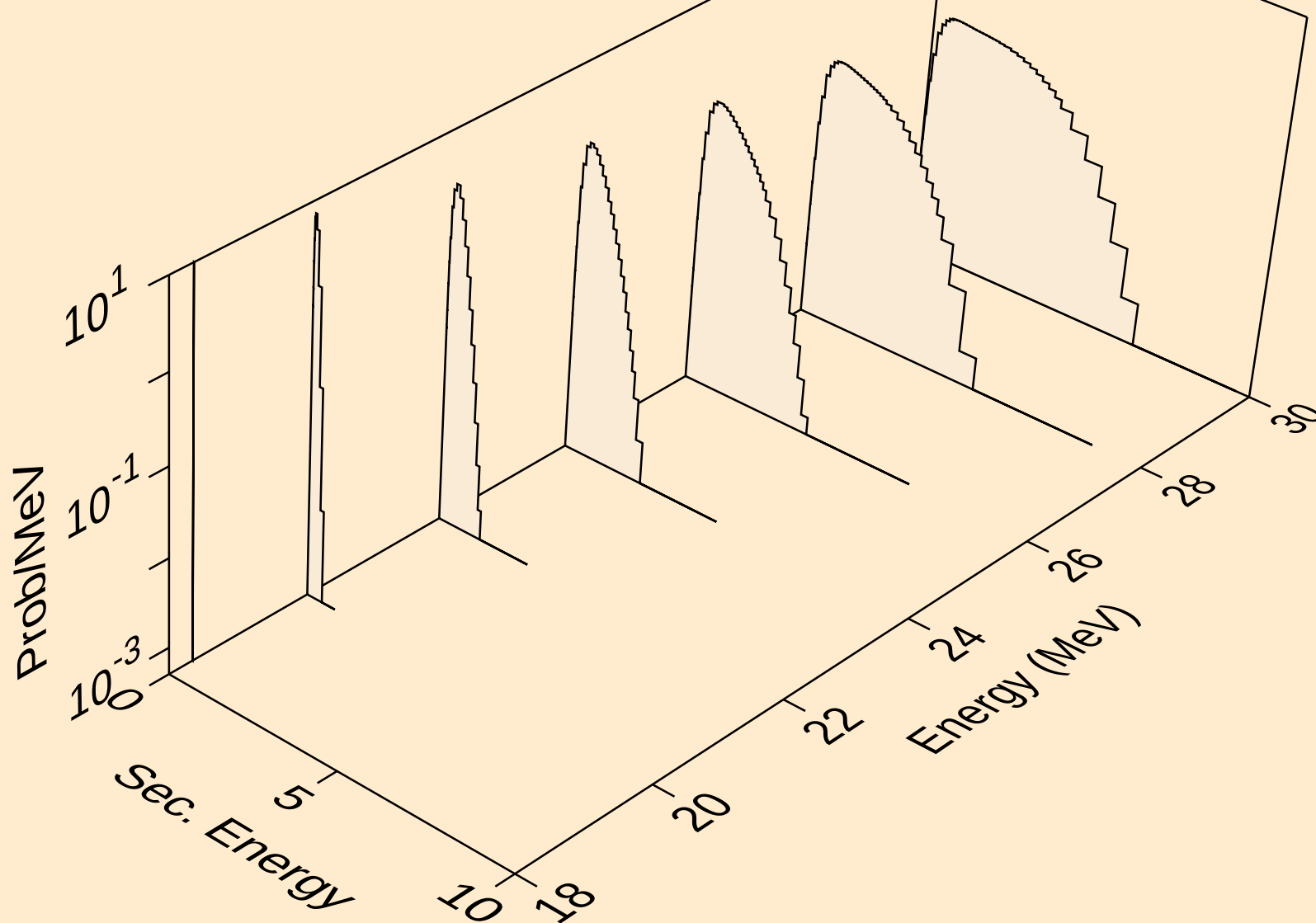
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



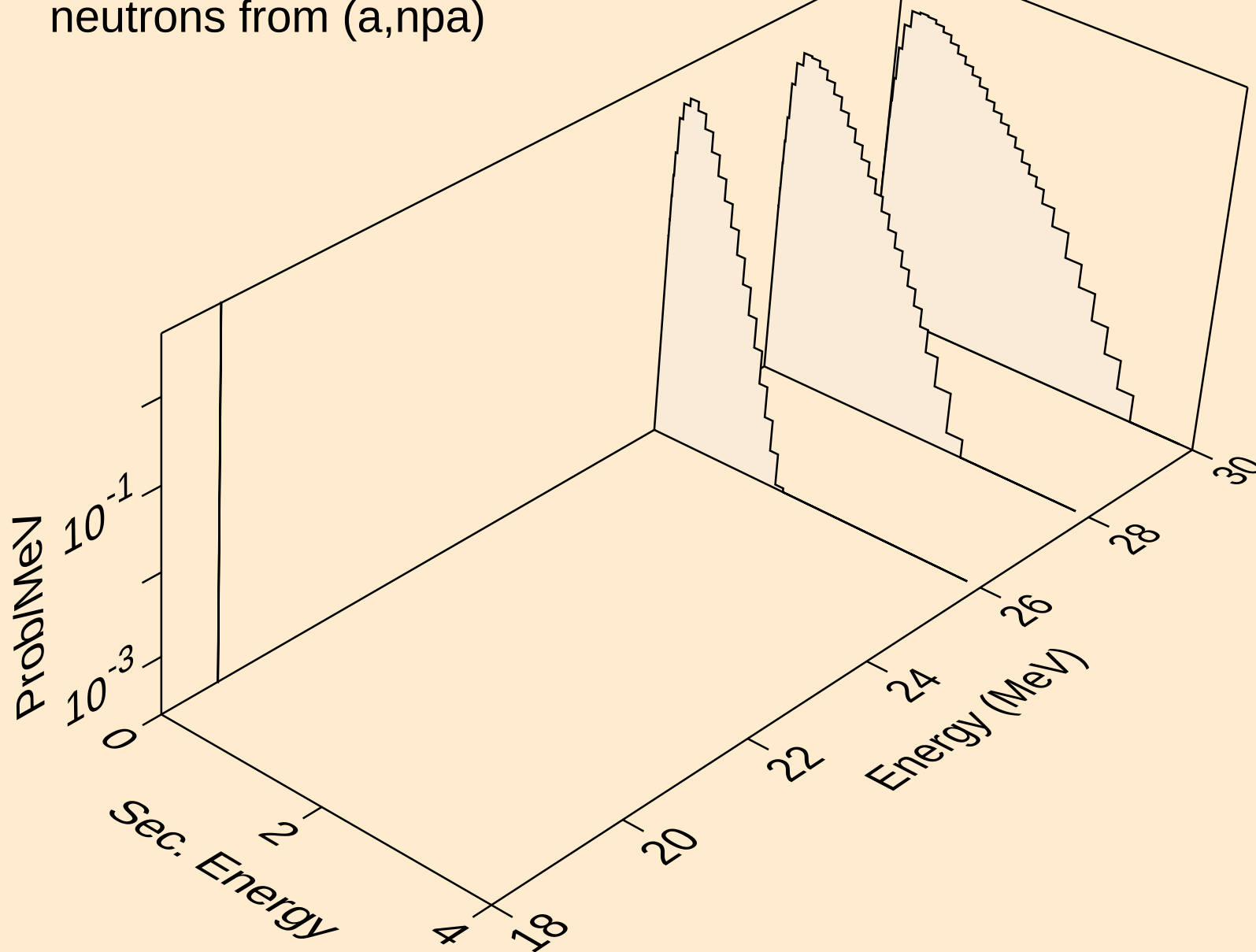
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



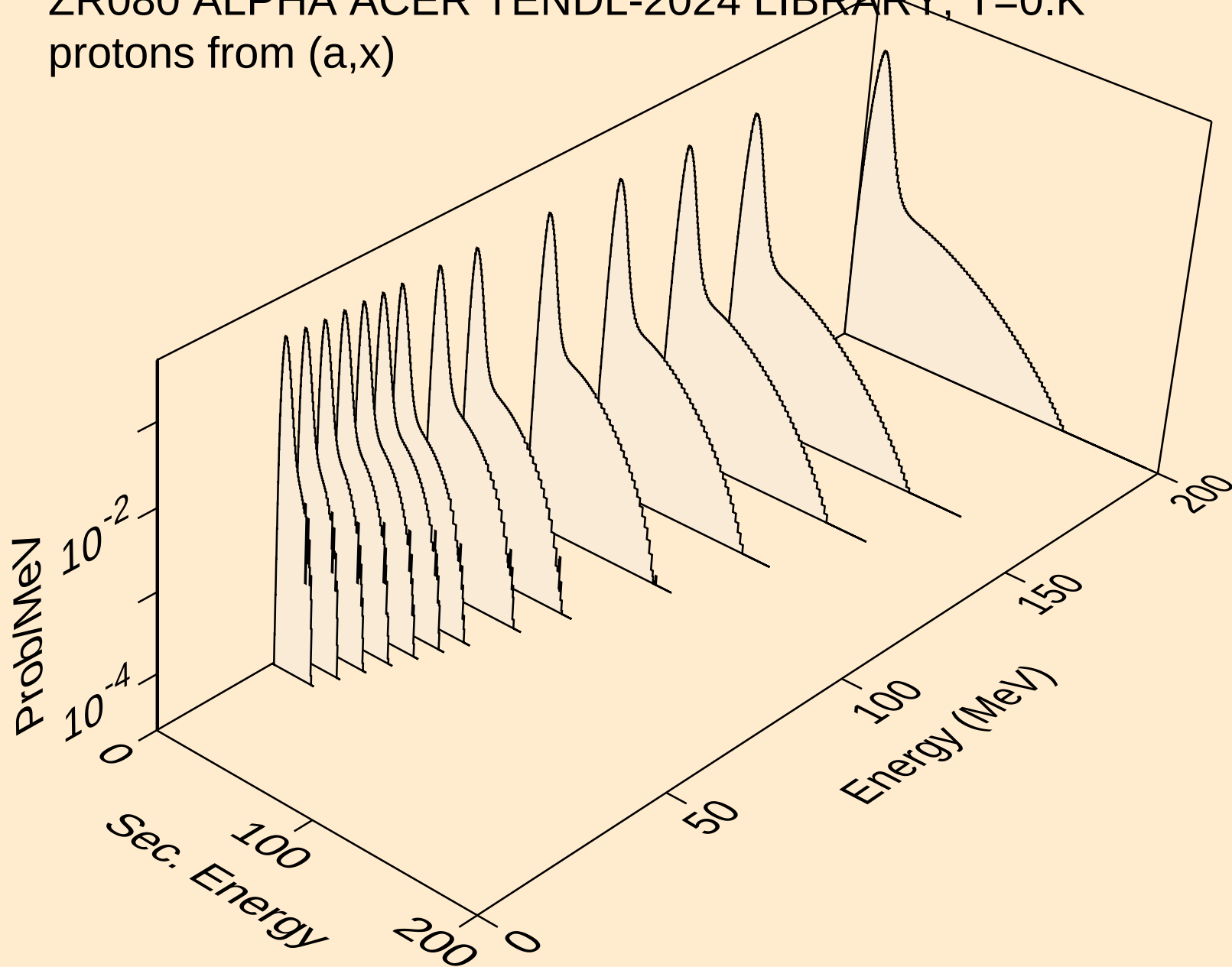
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neutrons from (a,n2p)



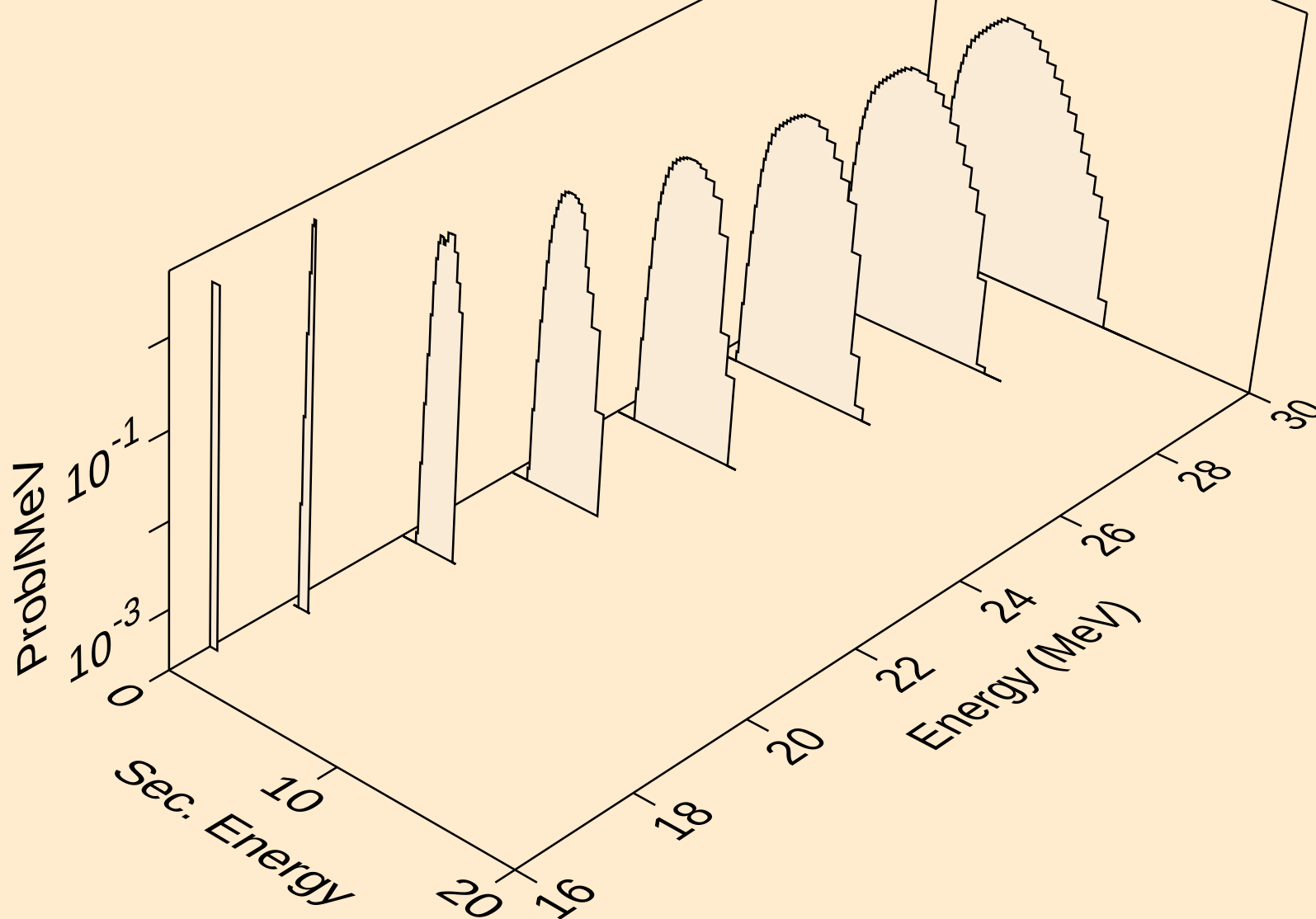
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neutrons from (a,npa)



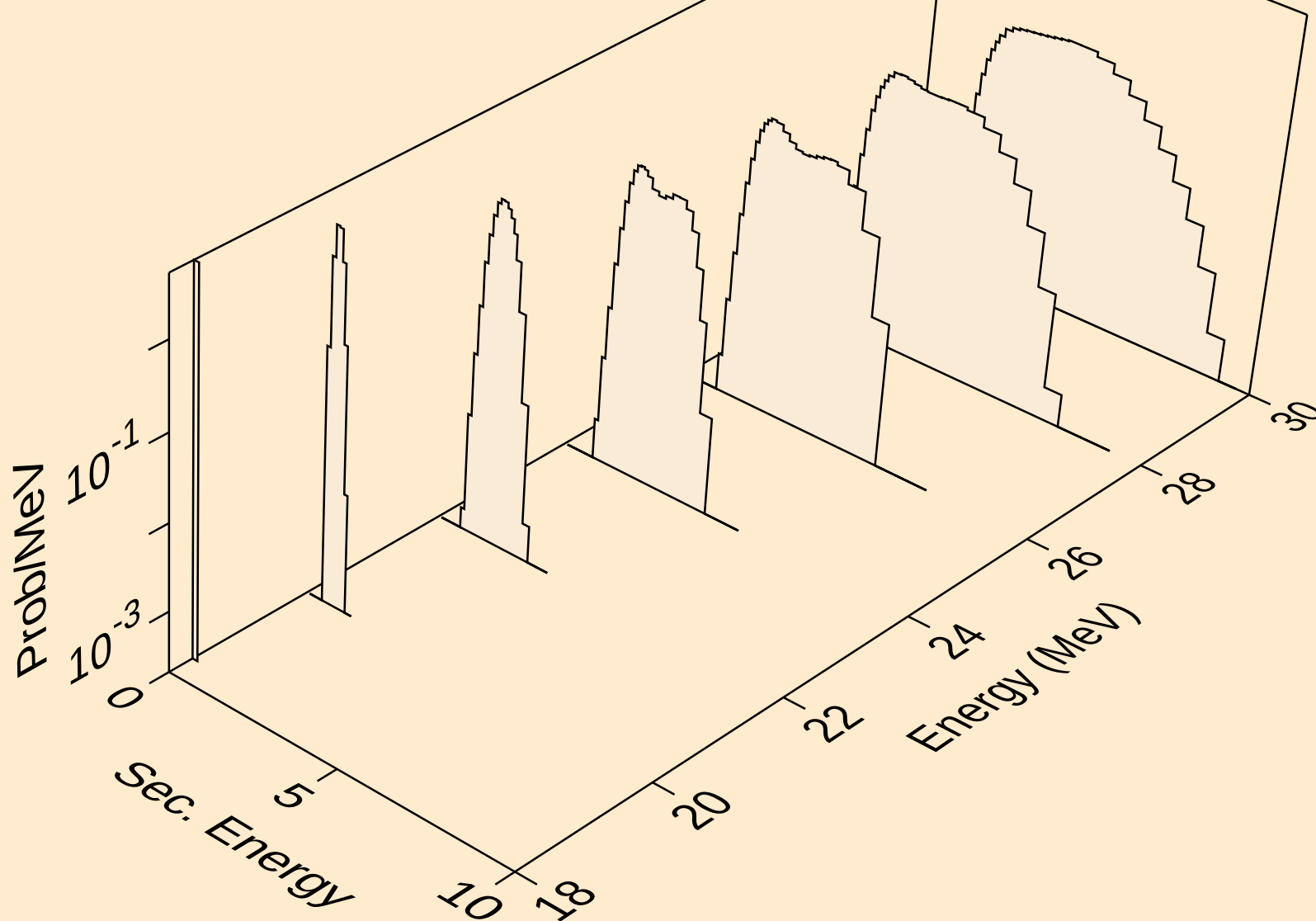
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protons from (a,x)



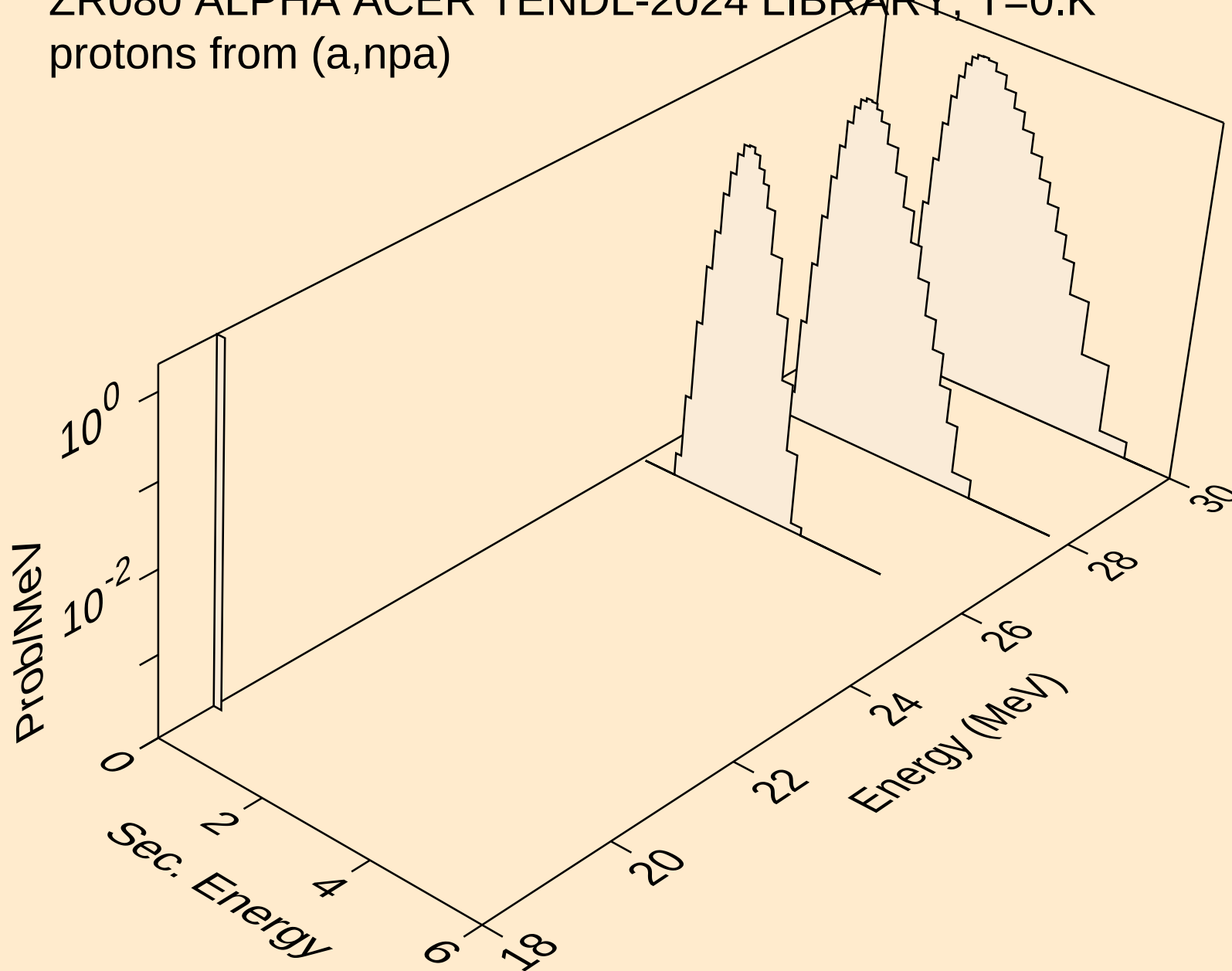
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protons from (a,n\*)p



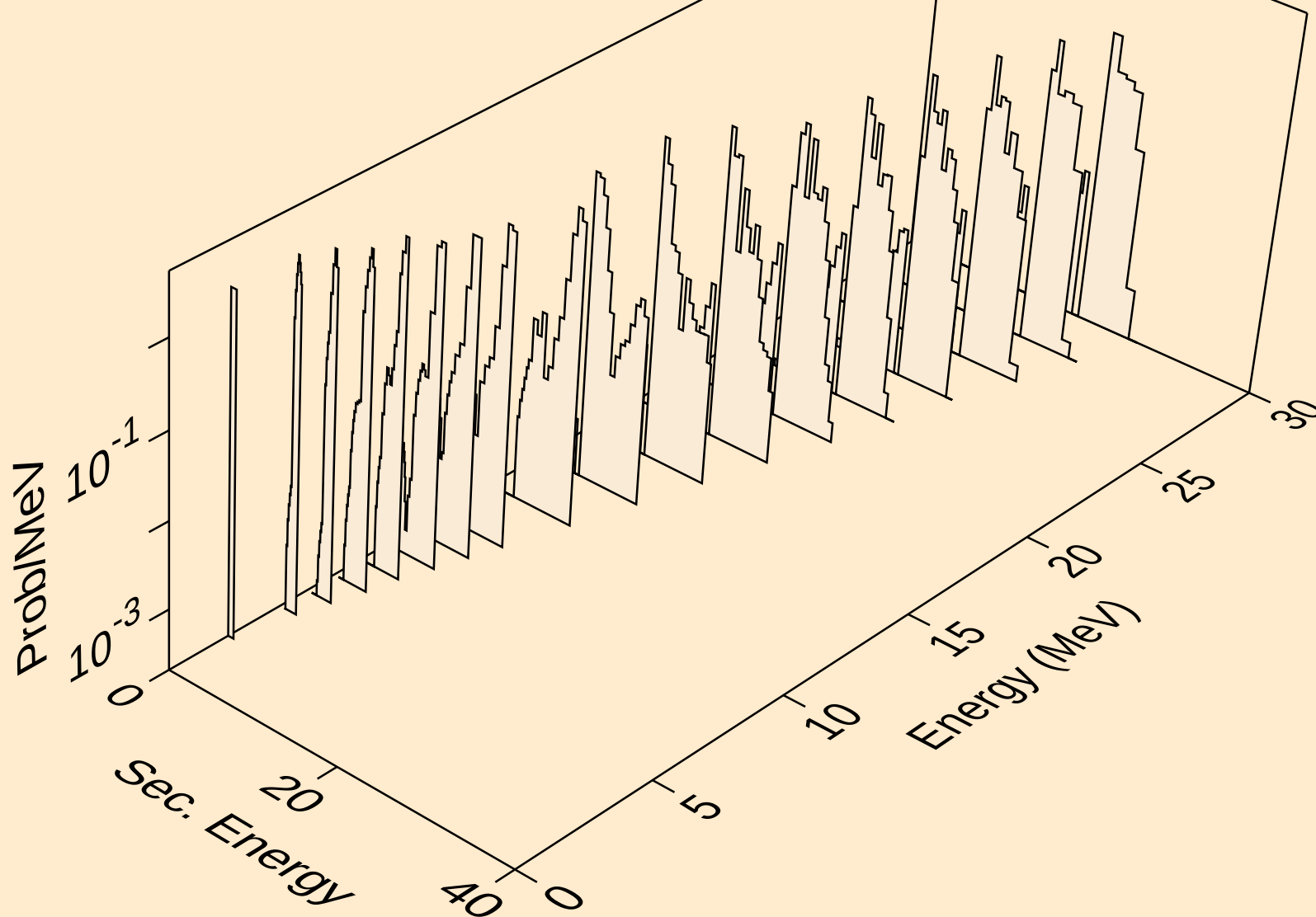
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protons from (a,n2p)



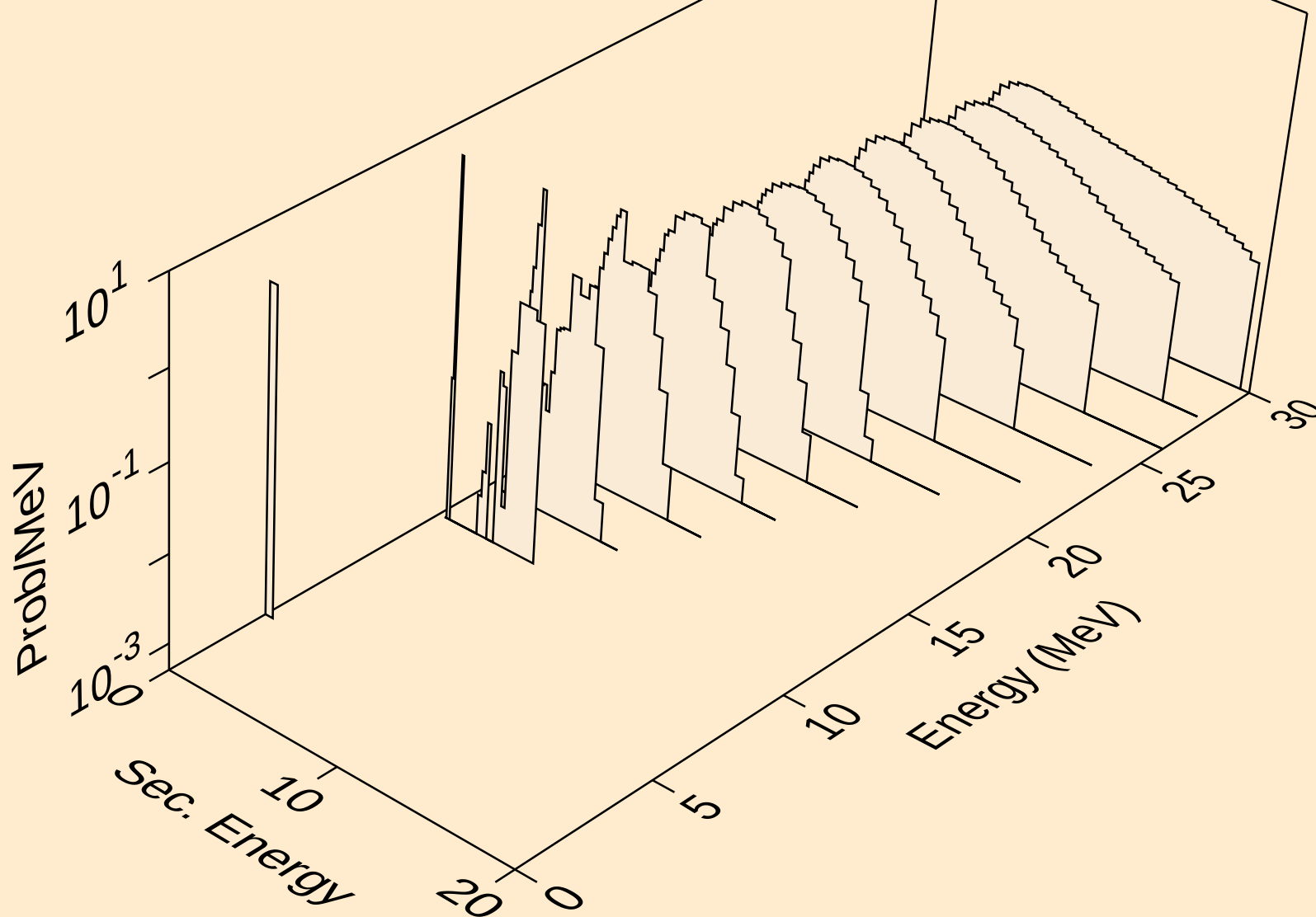
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protons from (a,npa)



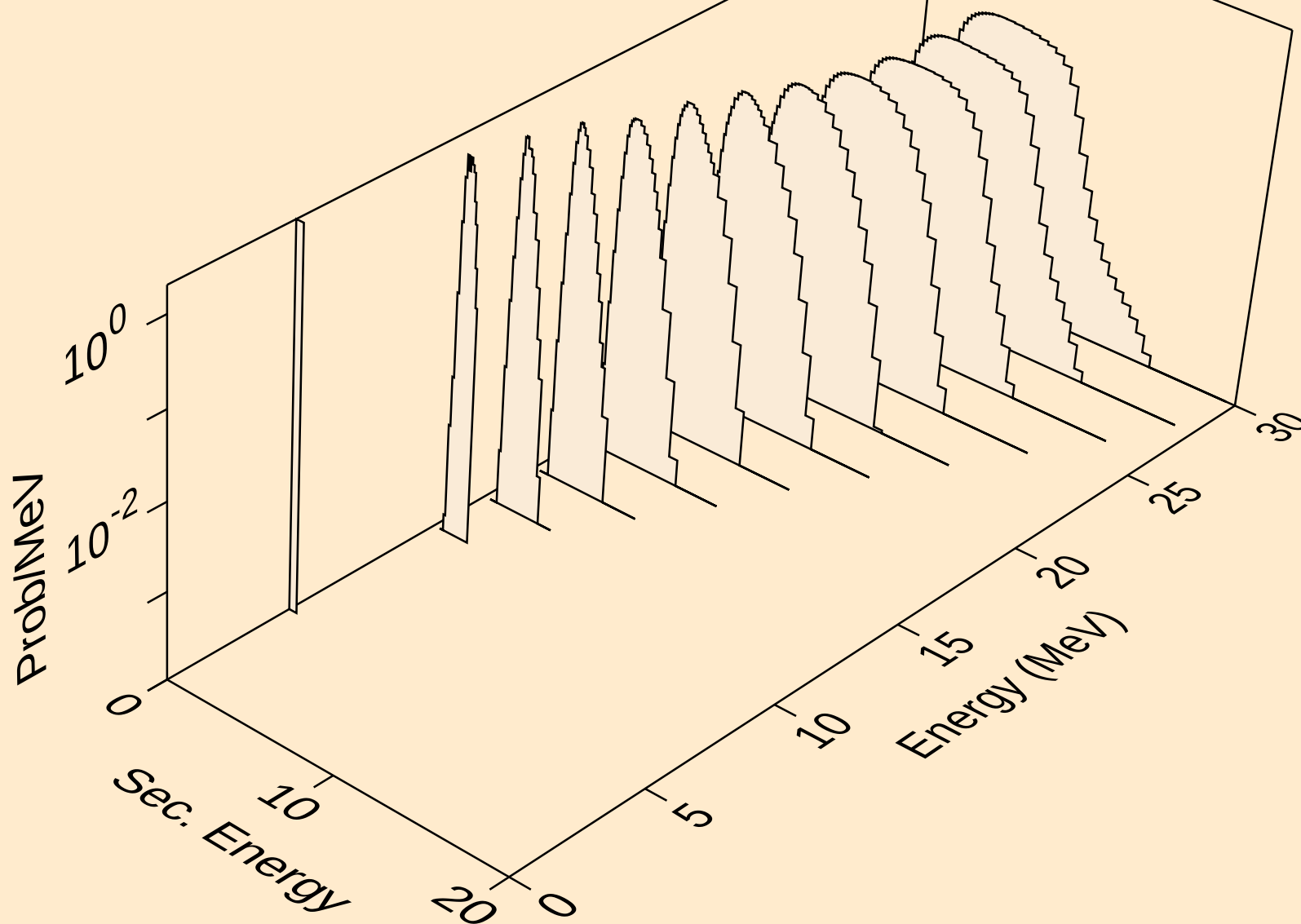
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protons from (a,p)



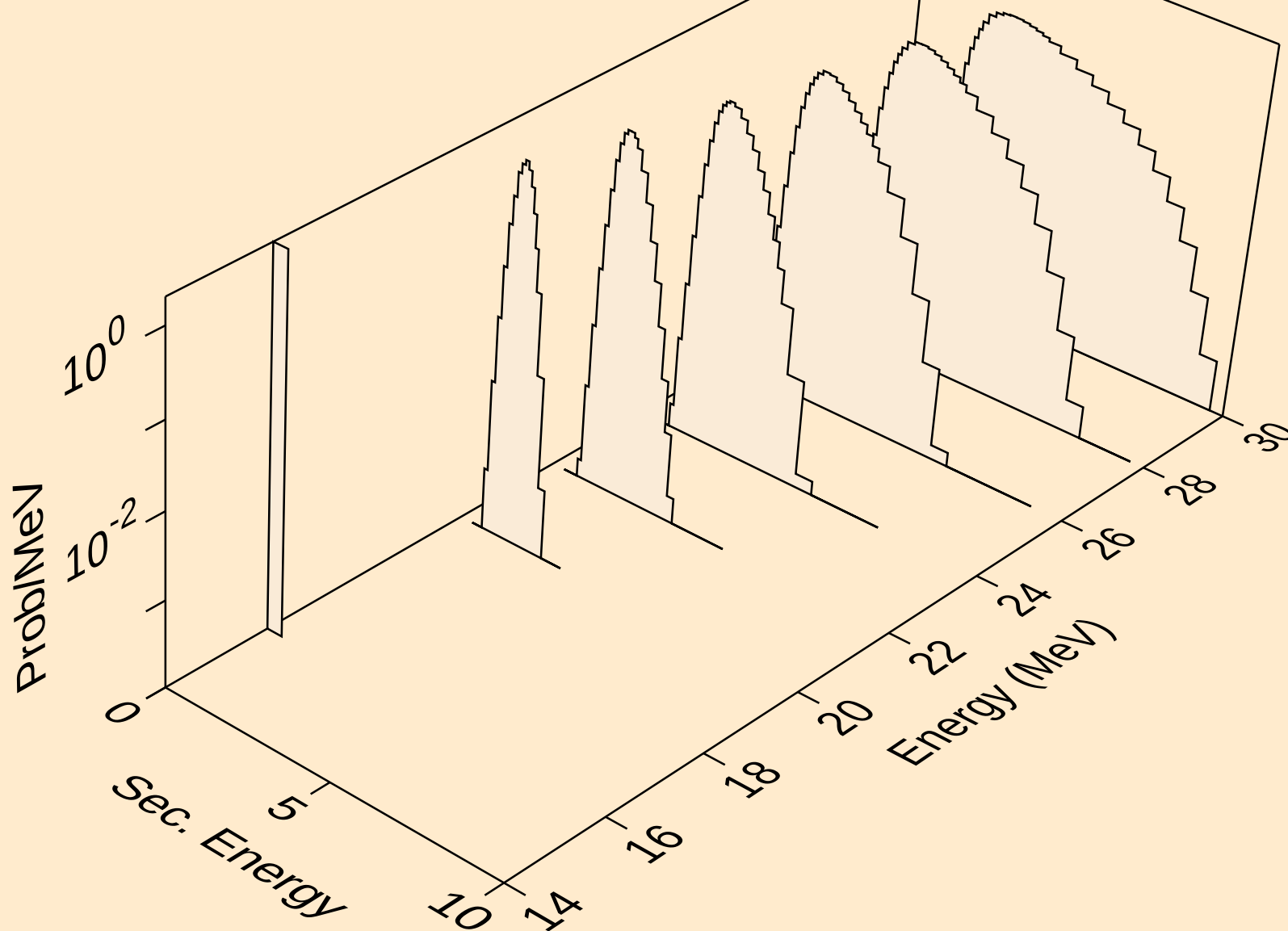
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protons from (a,2p)



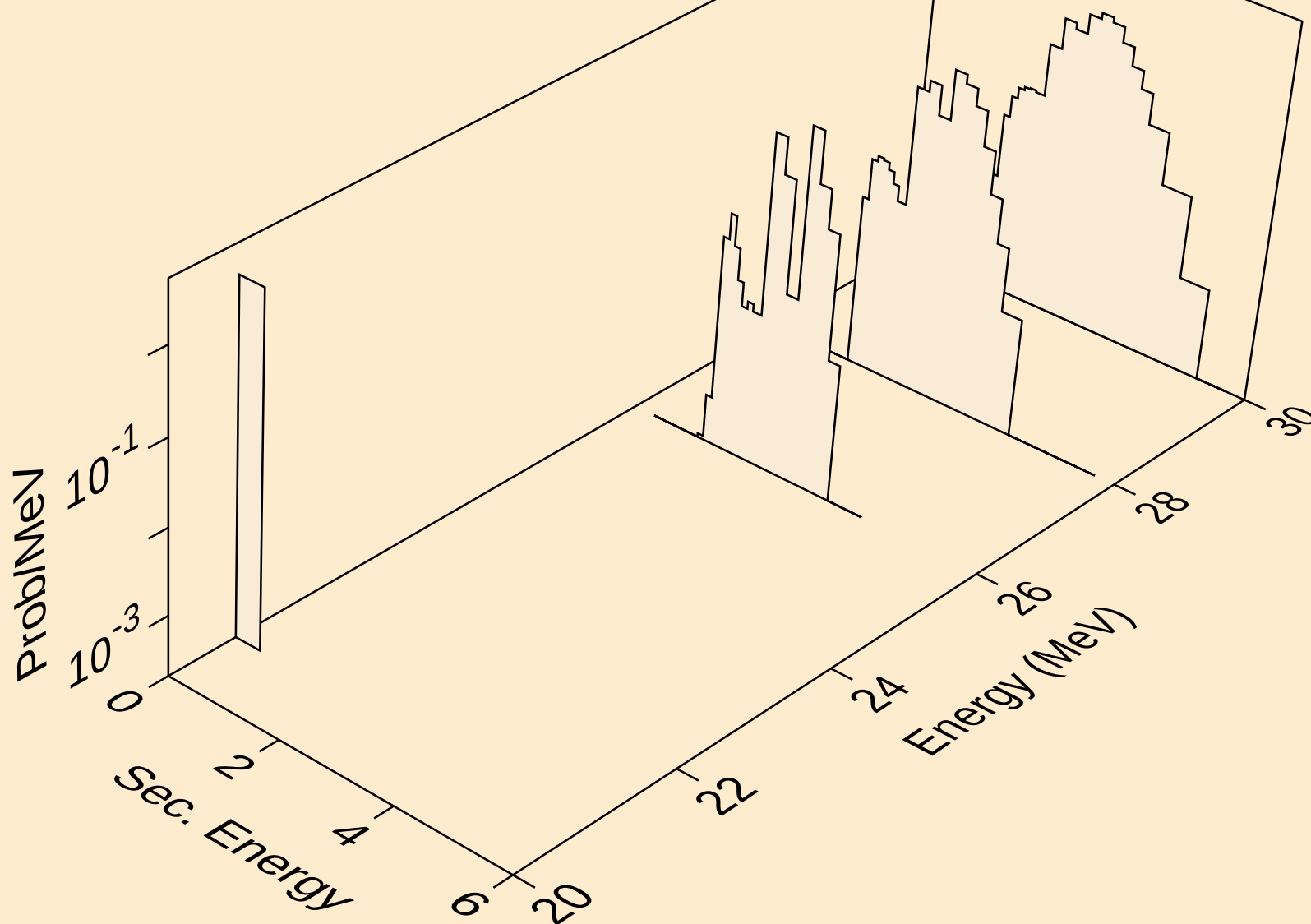
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protons from (a,pa)



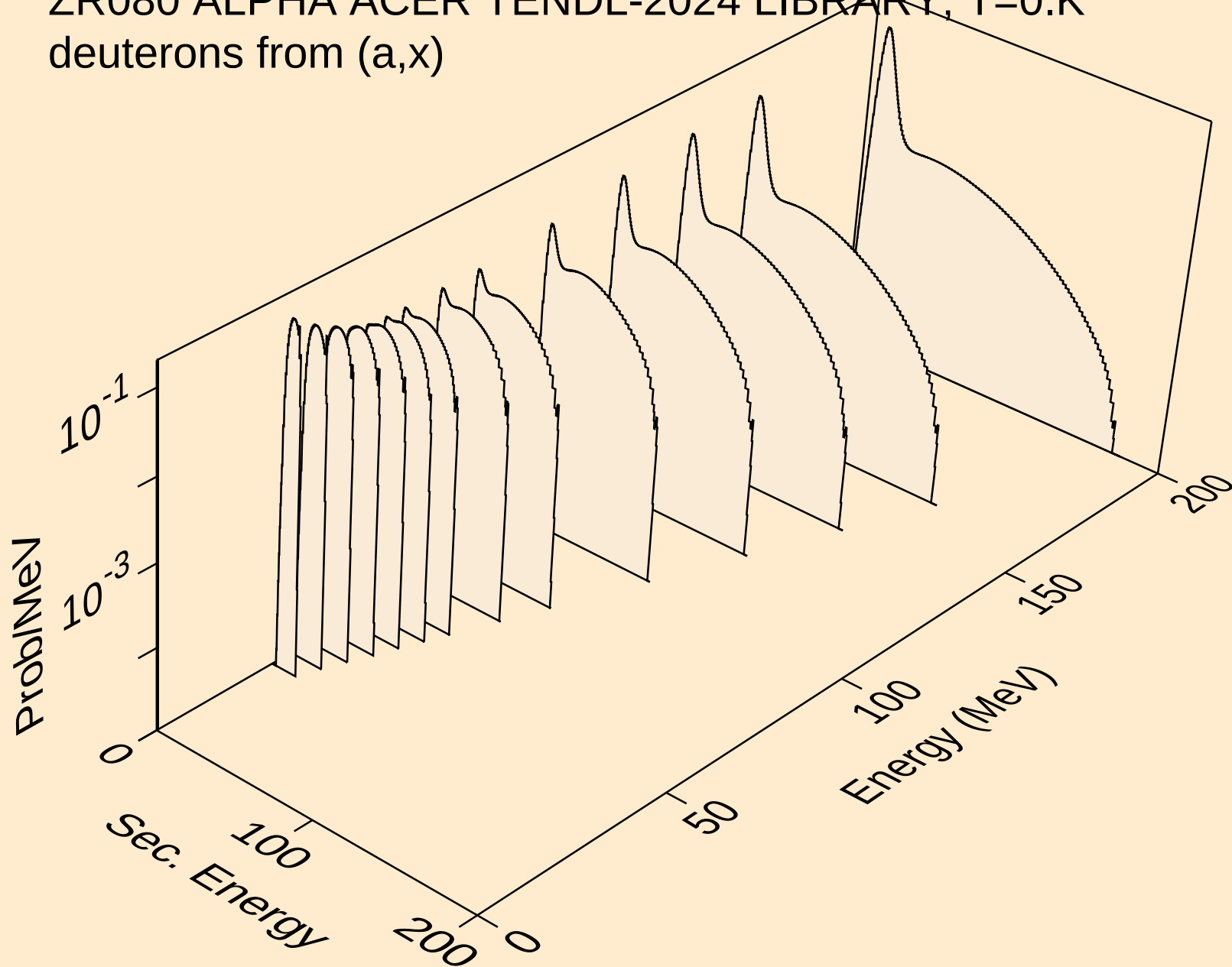
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protons from (a,pd)



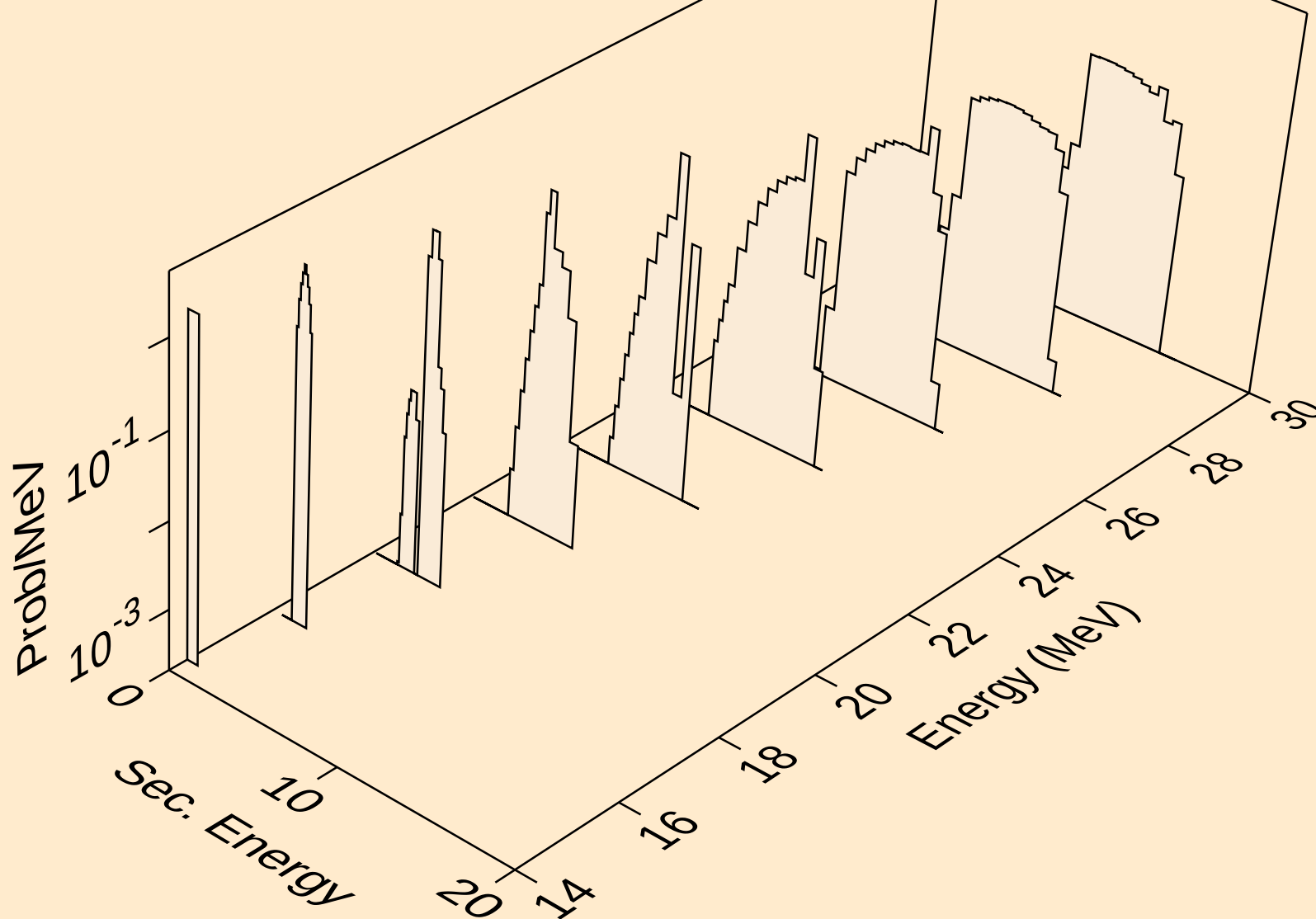
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protons from (a,pt)



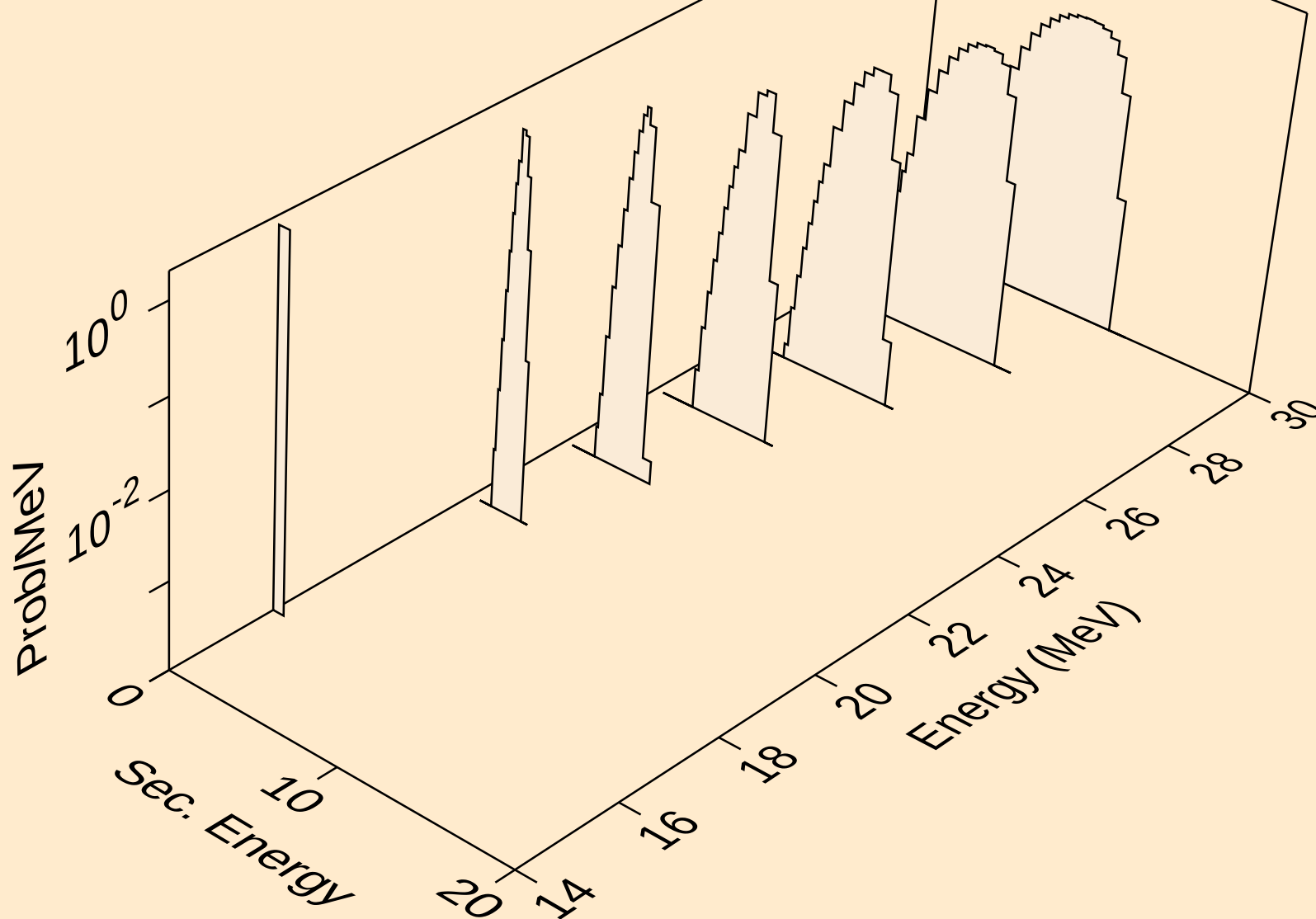
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deuterons from (a,x)



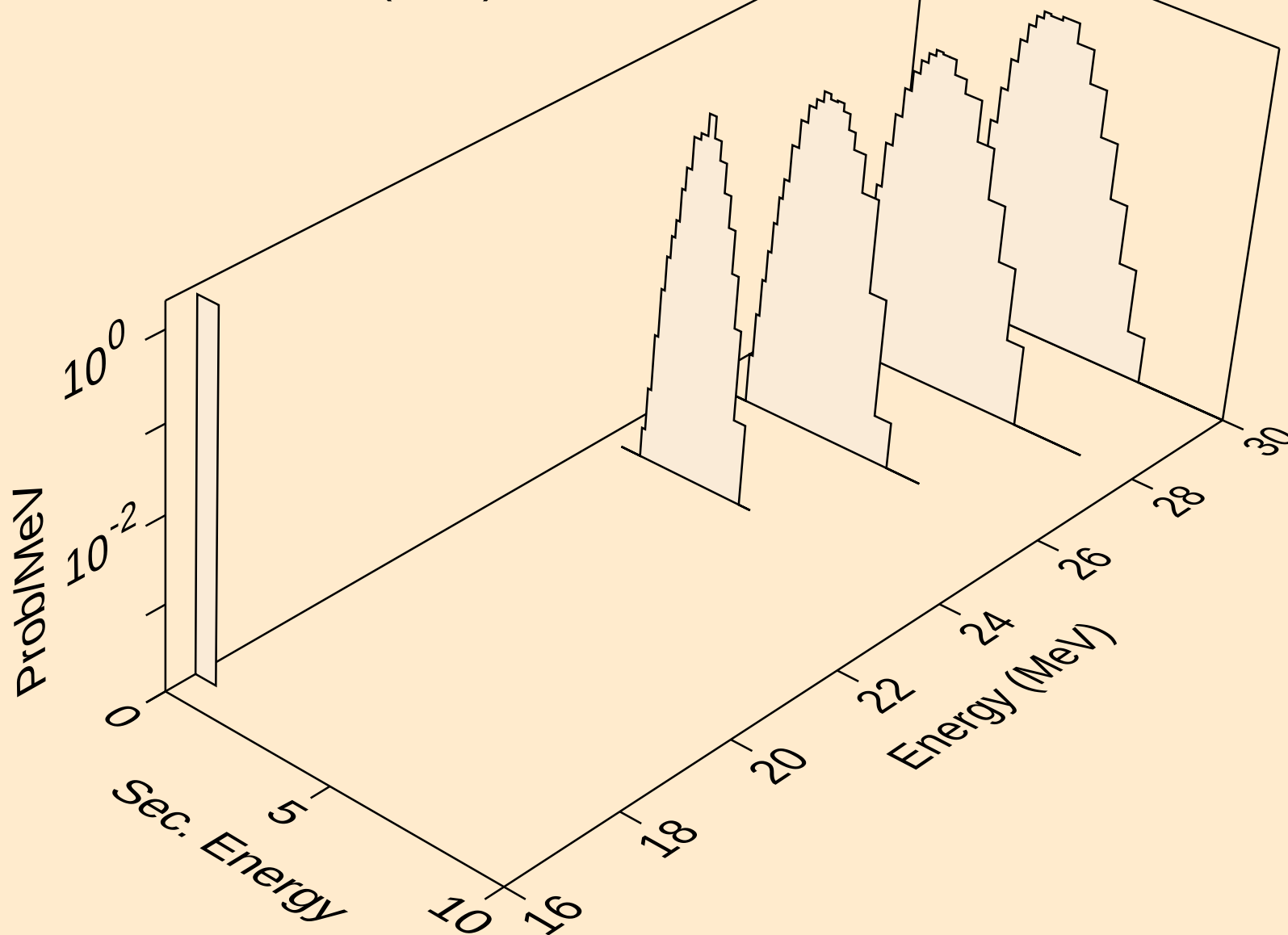
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deuterons from (a,d)



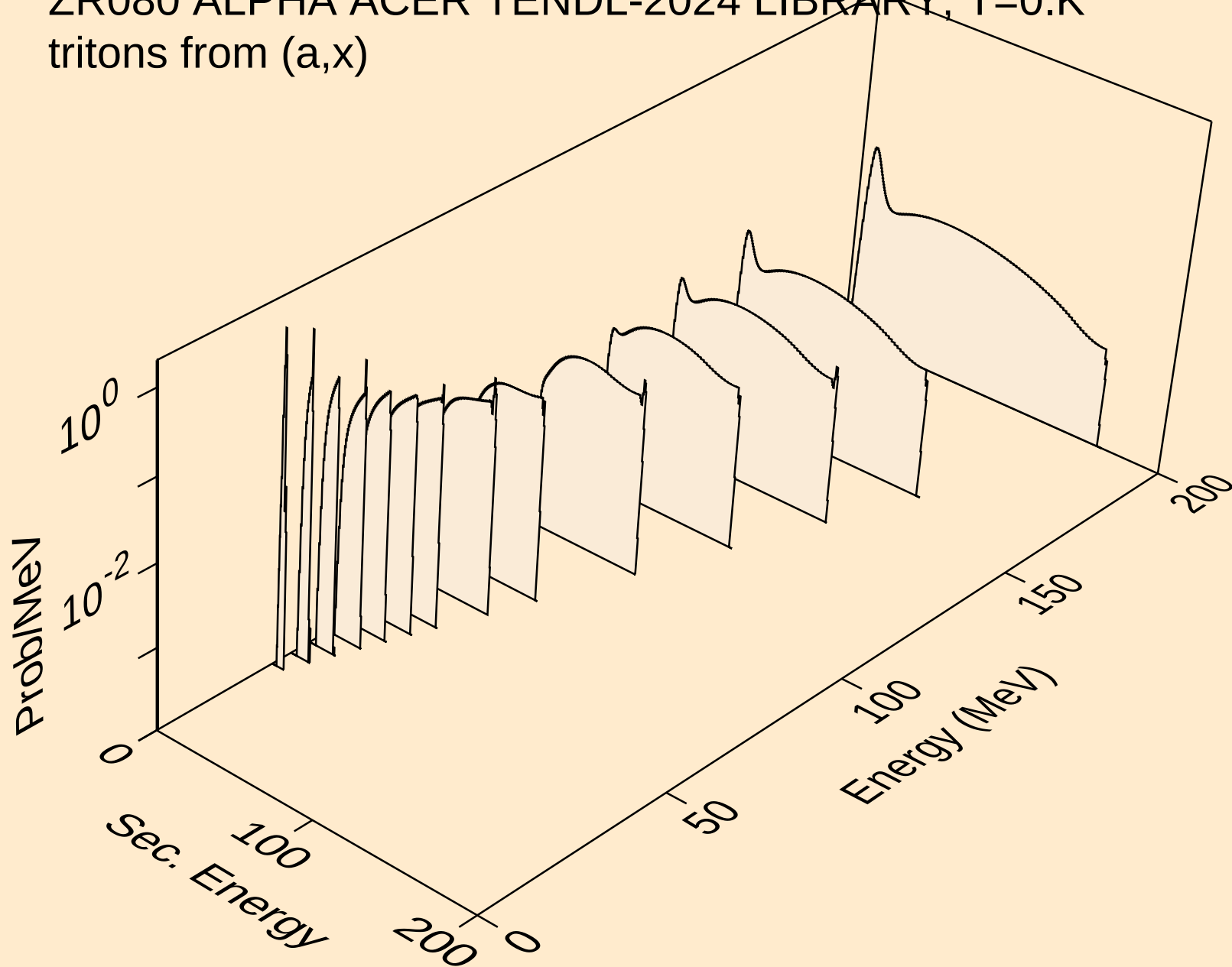
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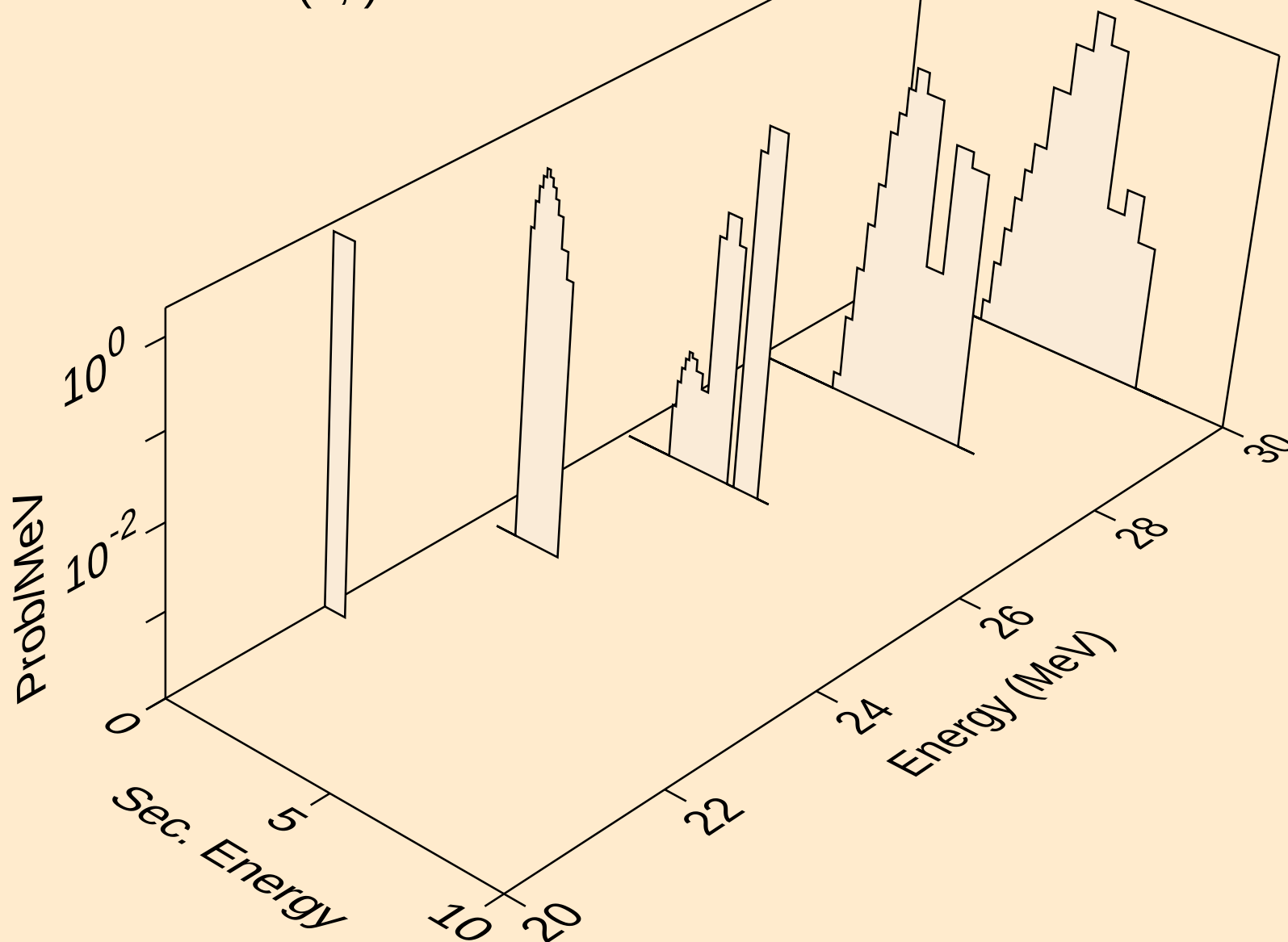
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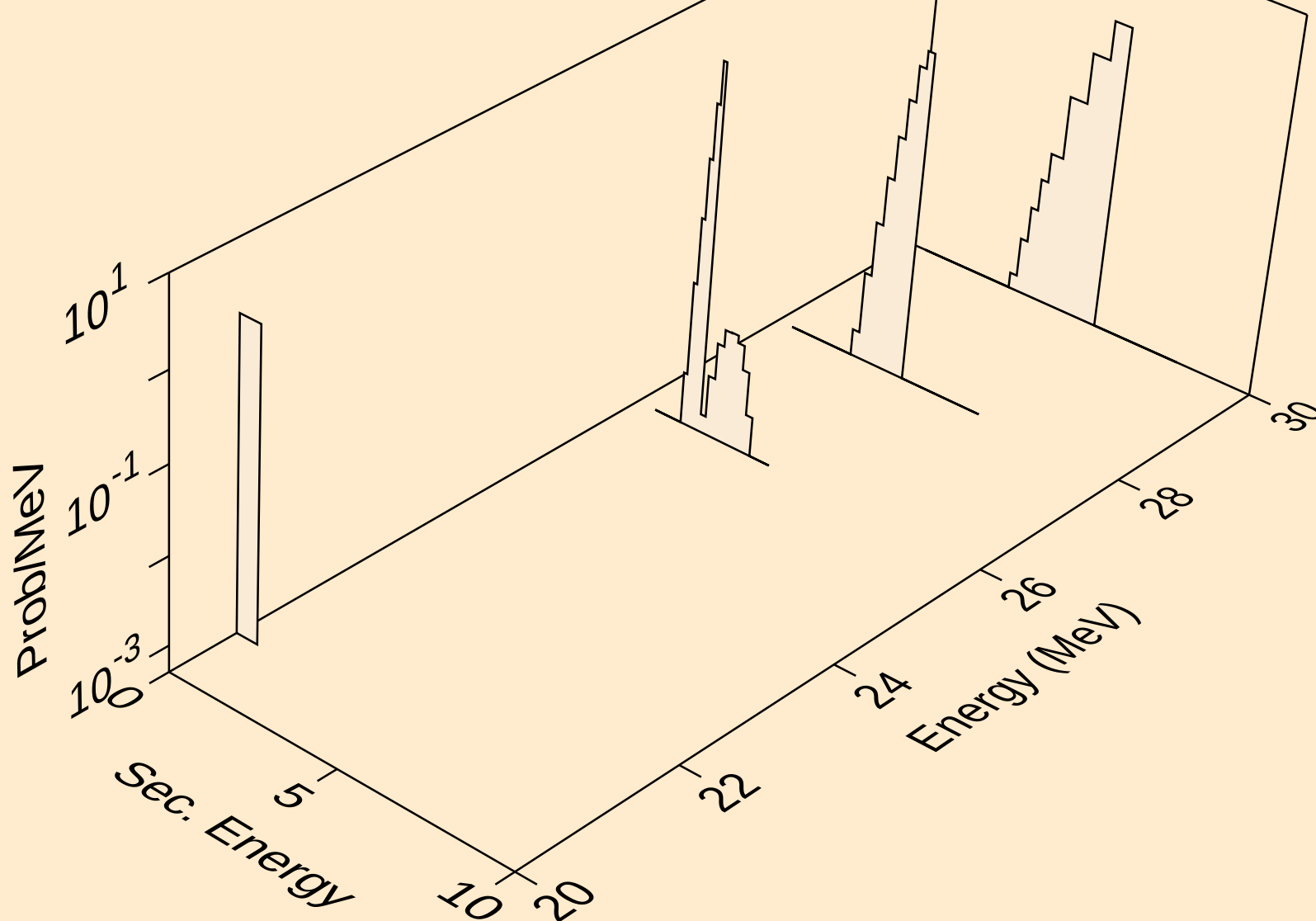
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



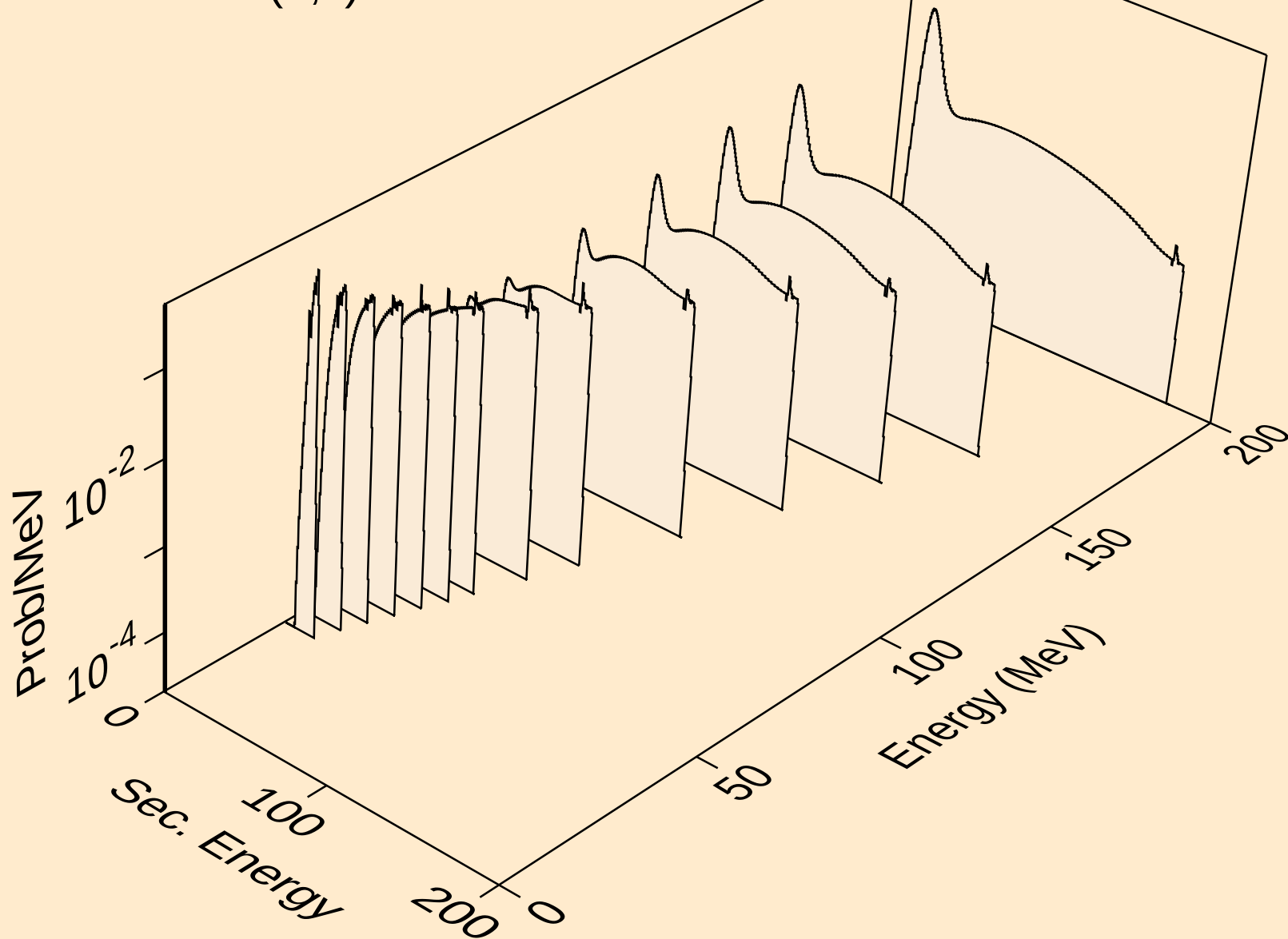
ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,pt)



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



ZR080 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

