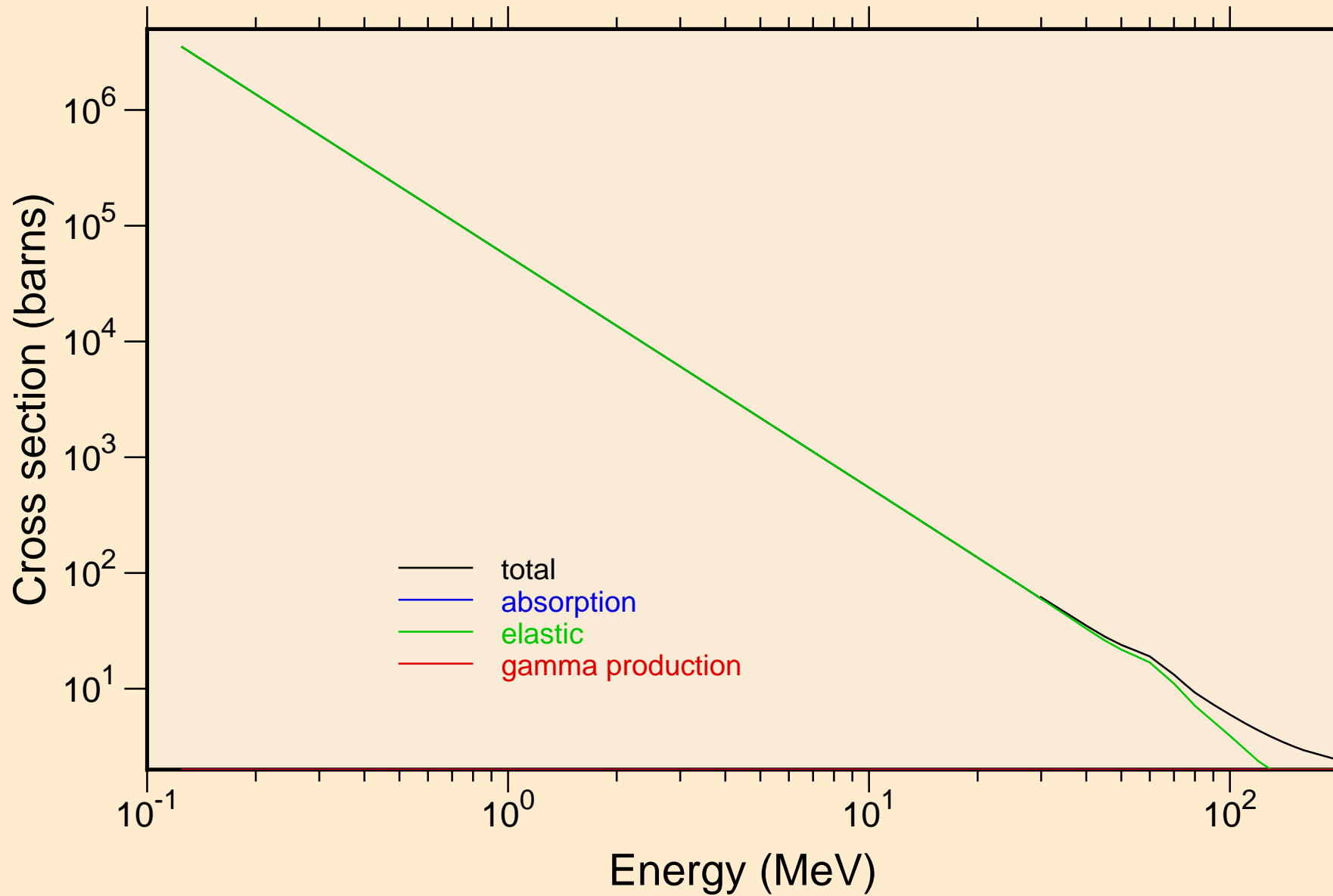
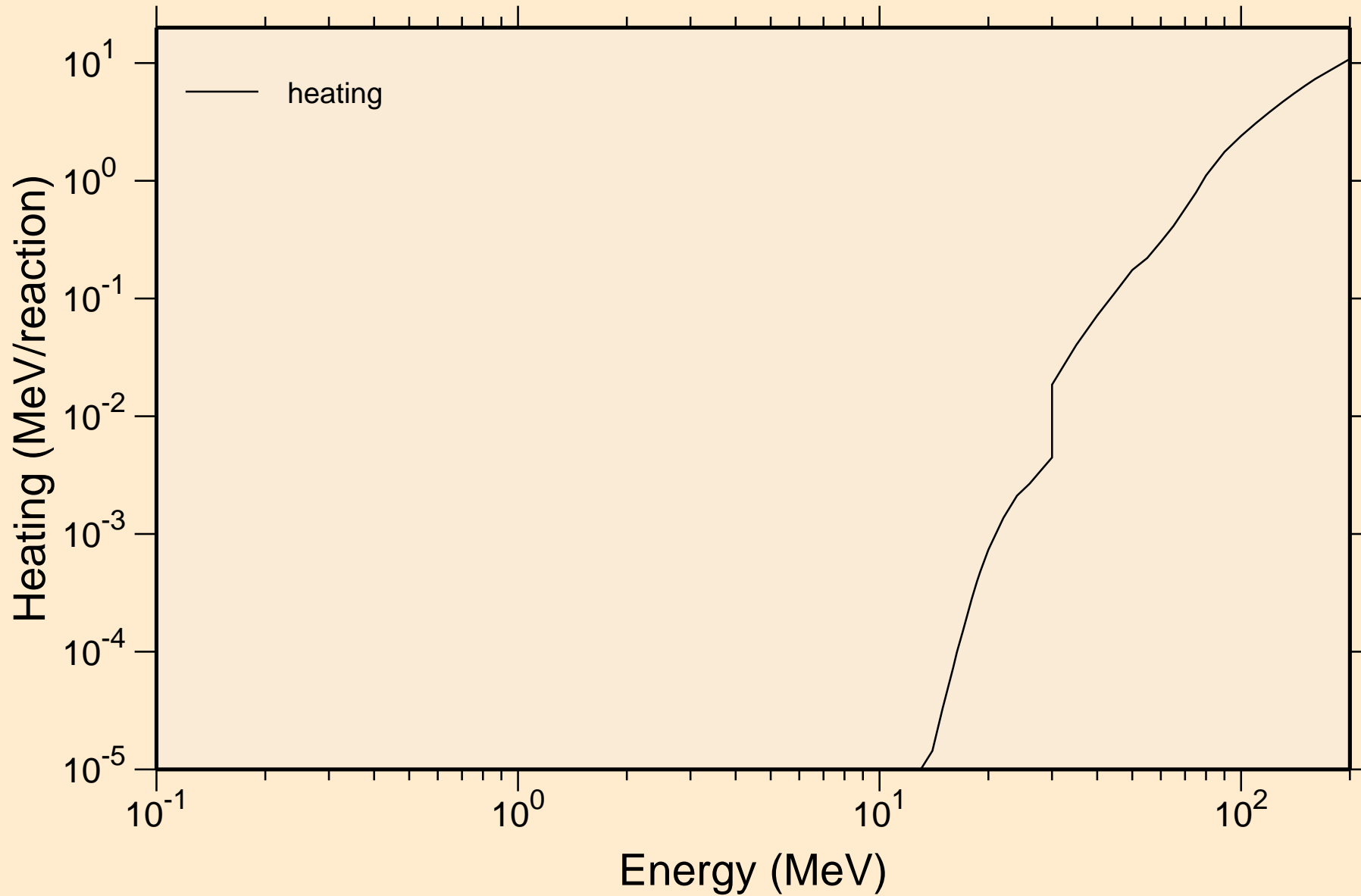


PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections

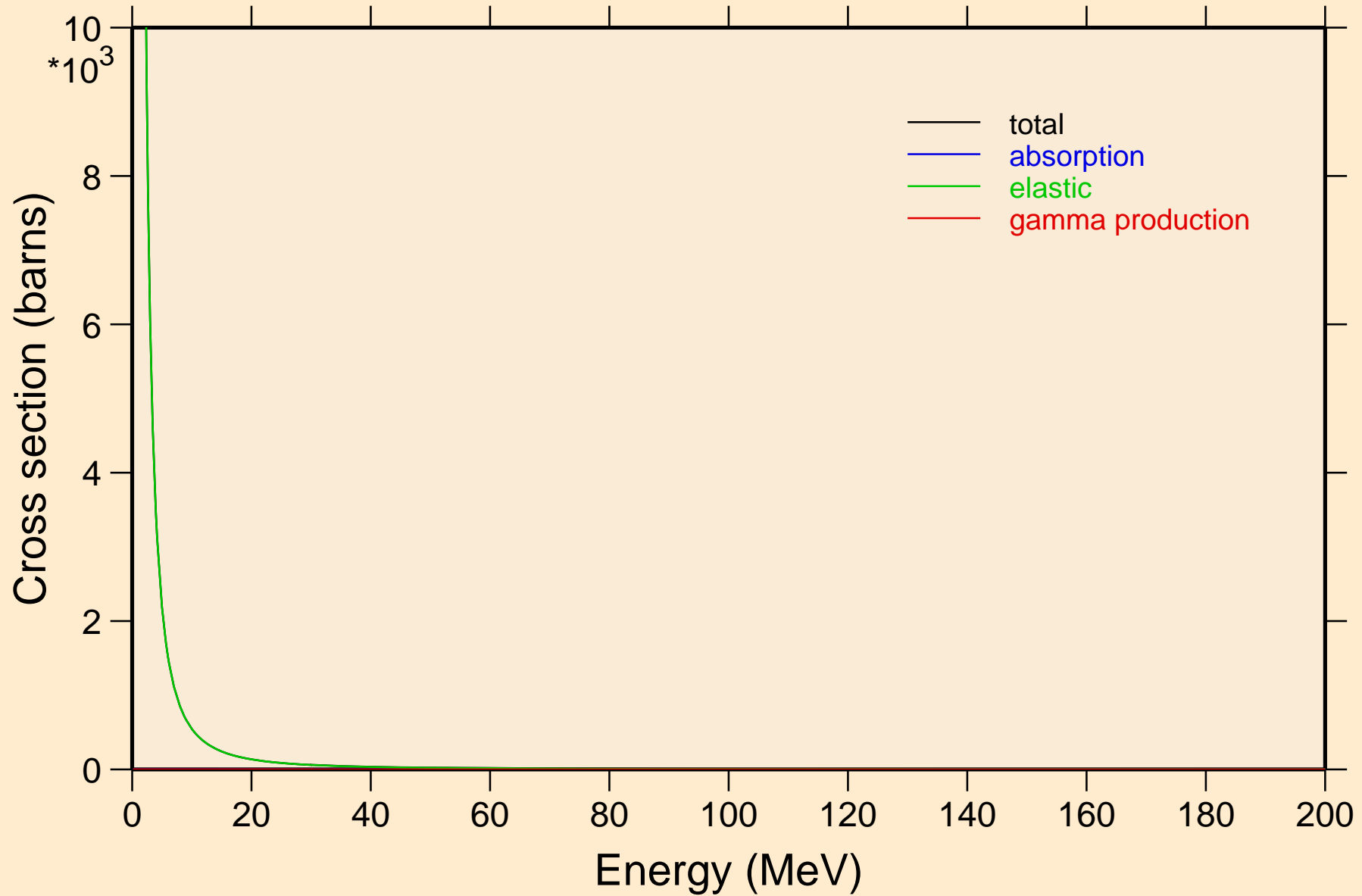


PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



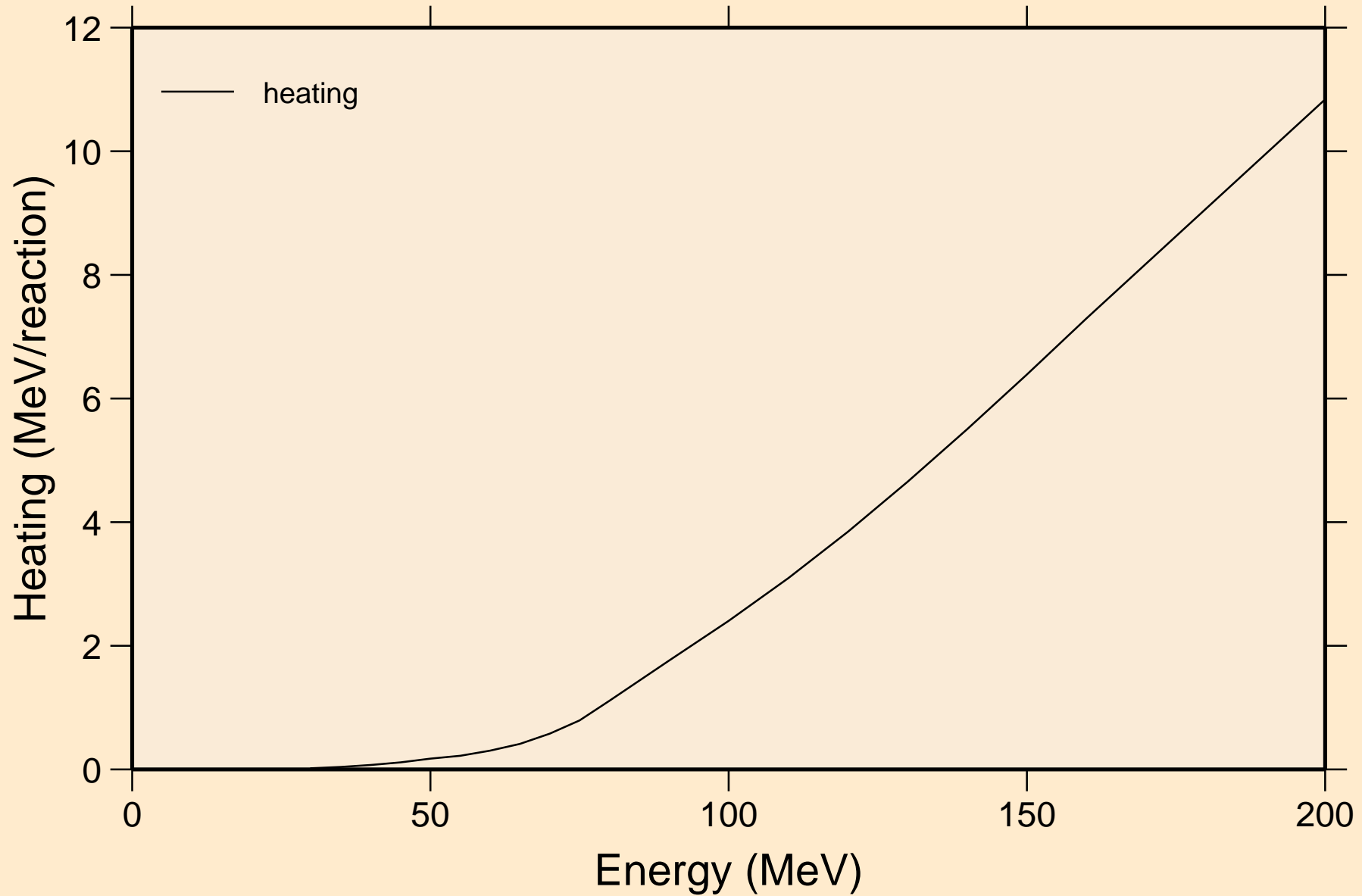
# PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



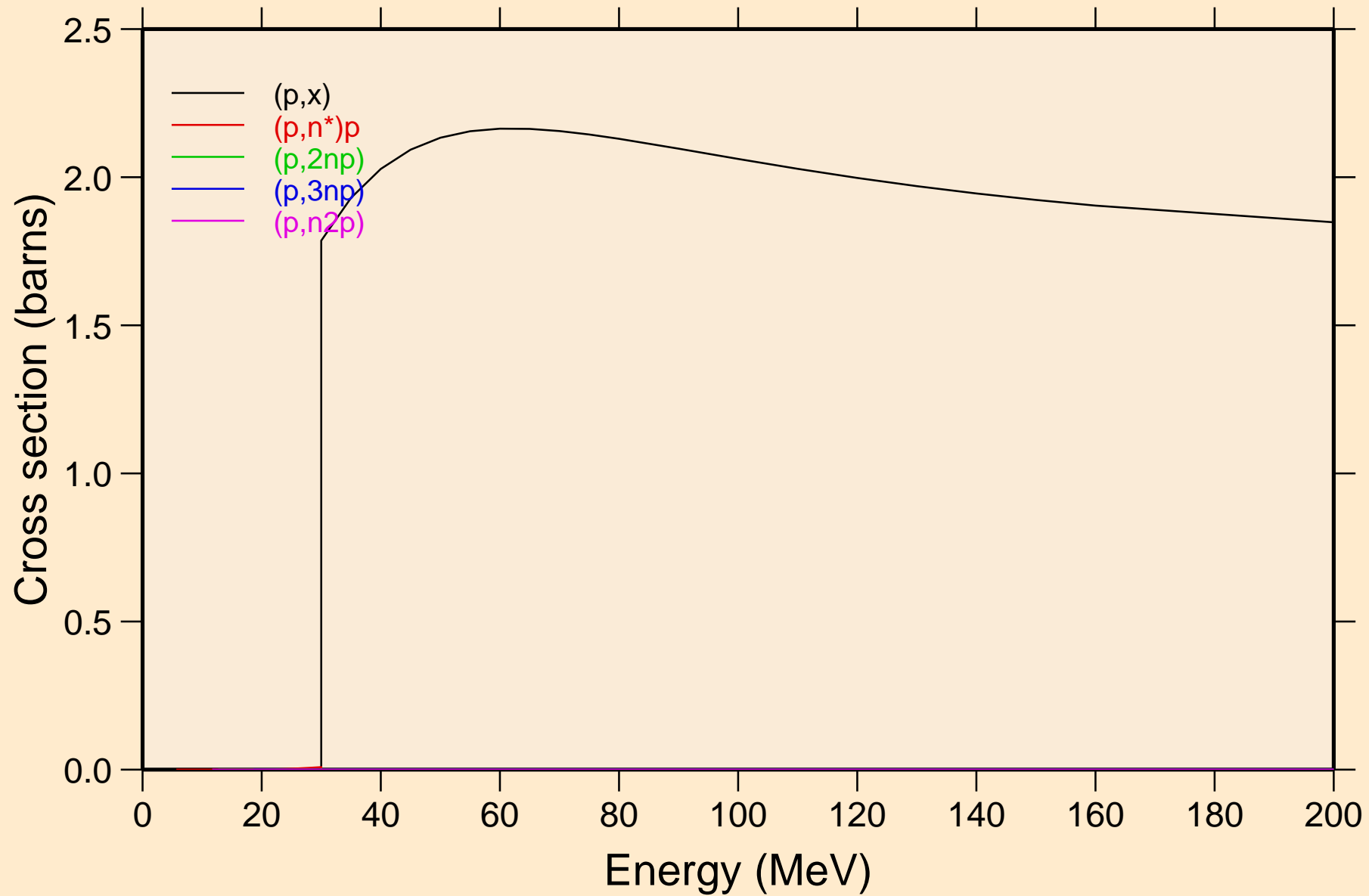
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Heating



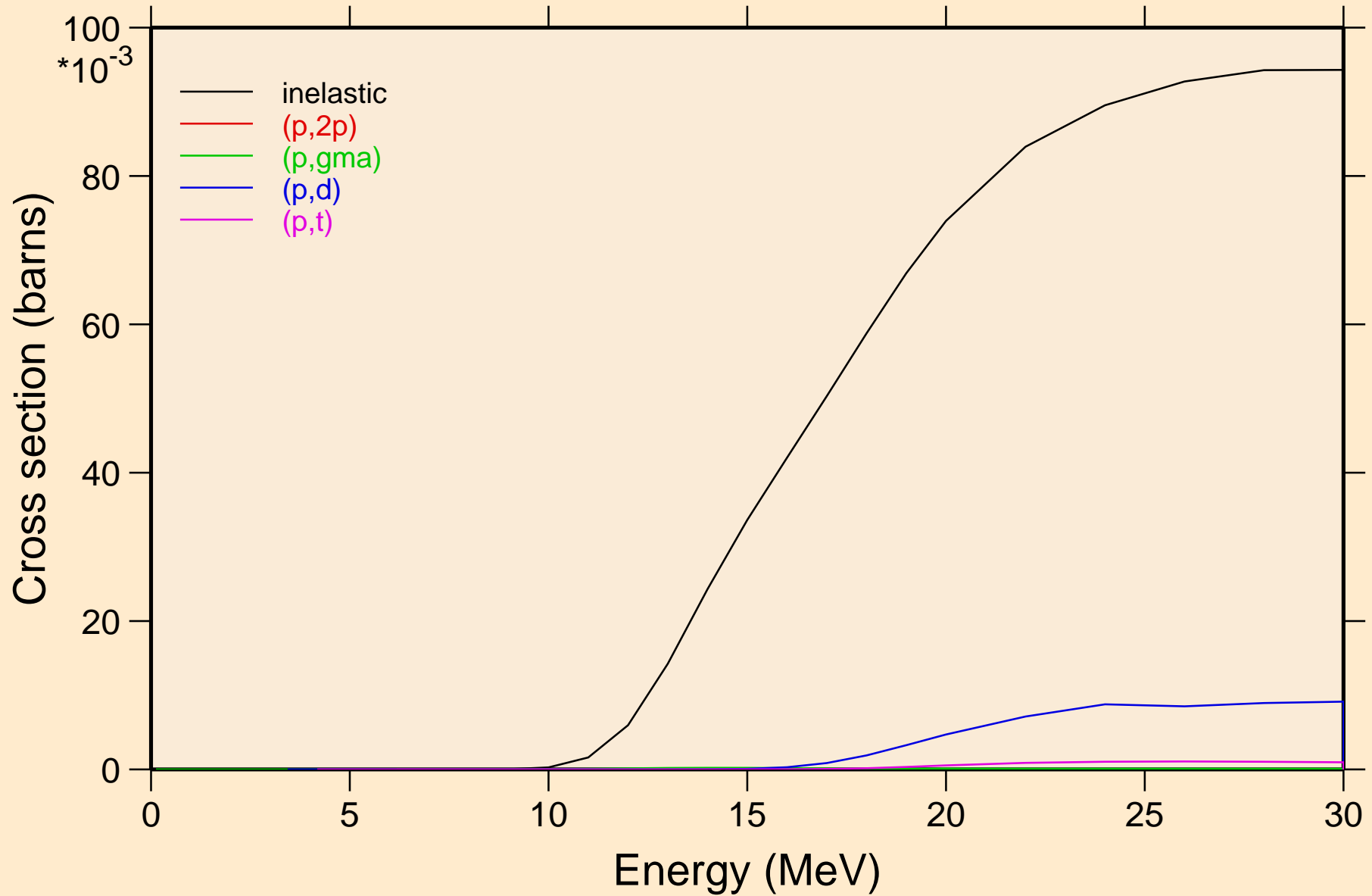
# PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

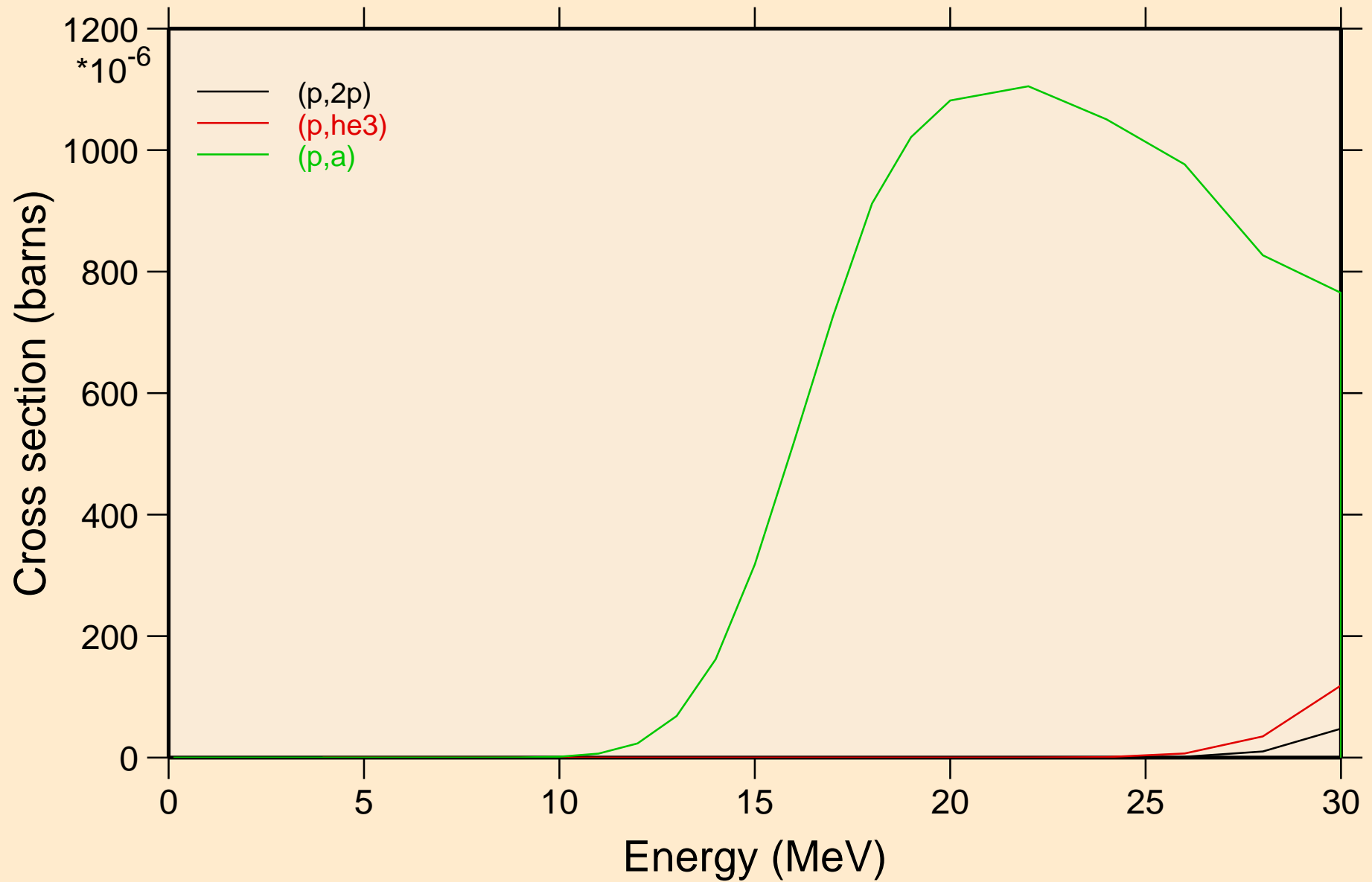


# PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

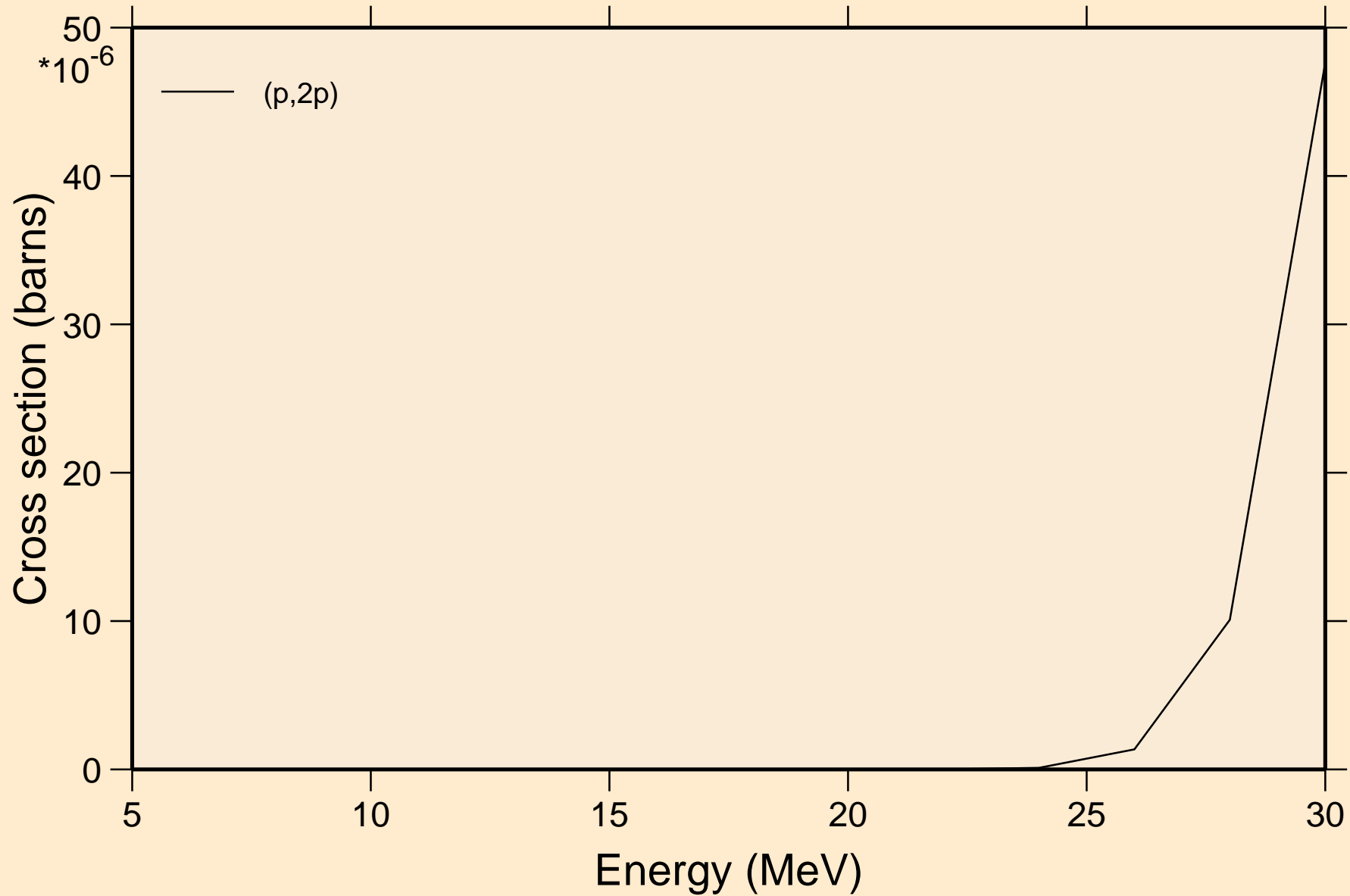
## Threshold reactions



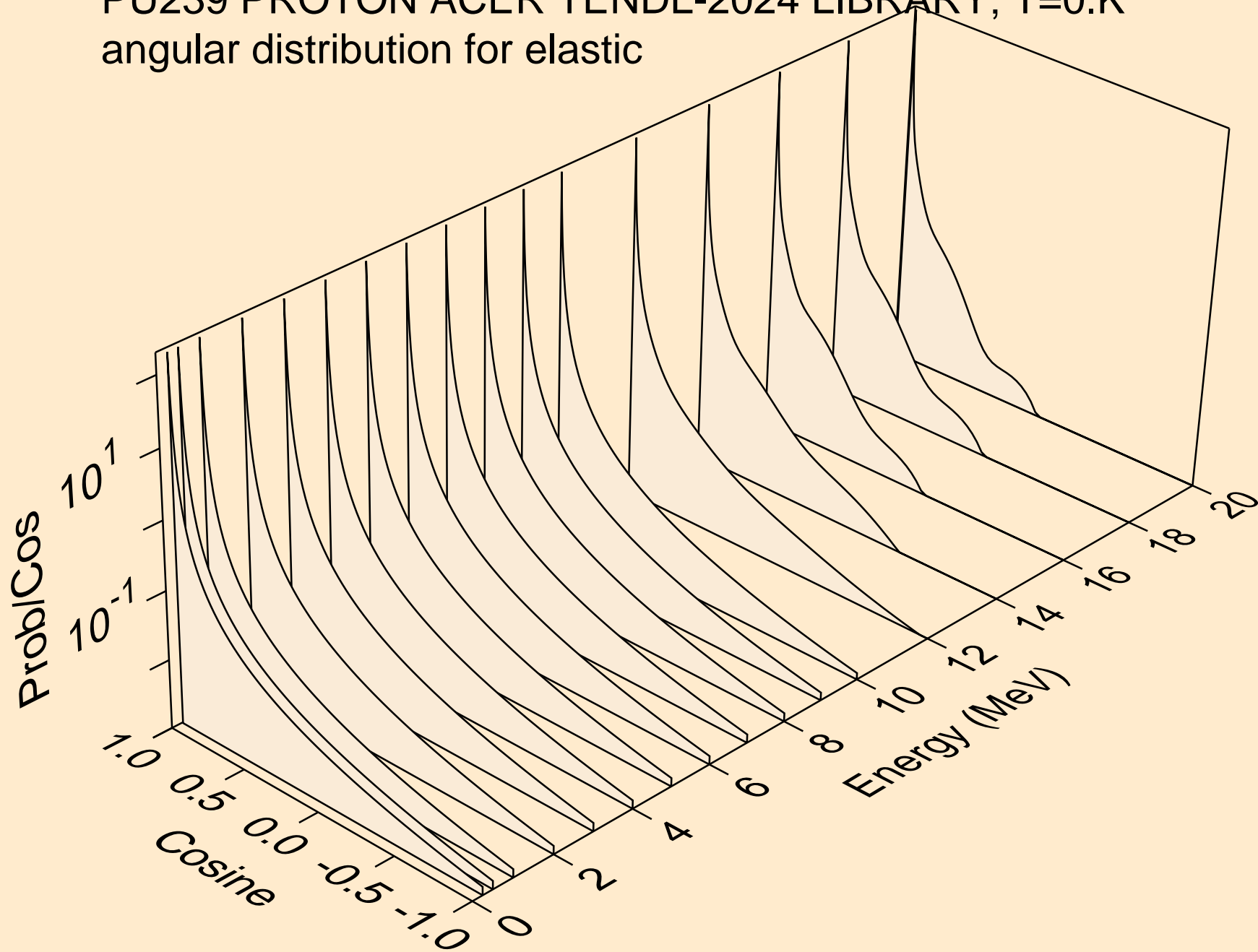
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



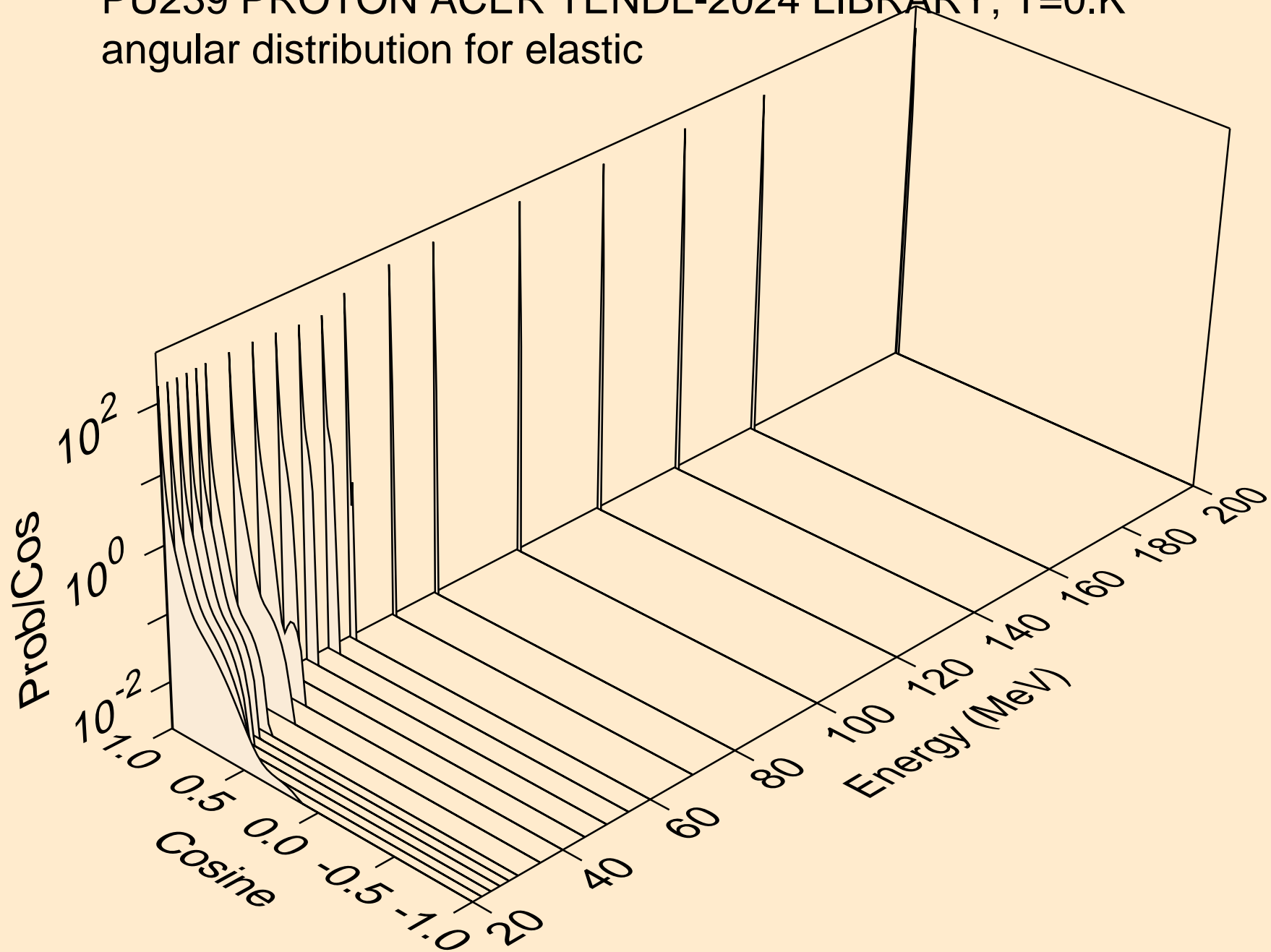
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



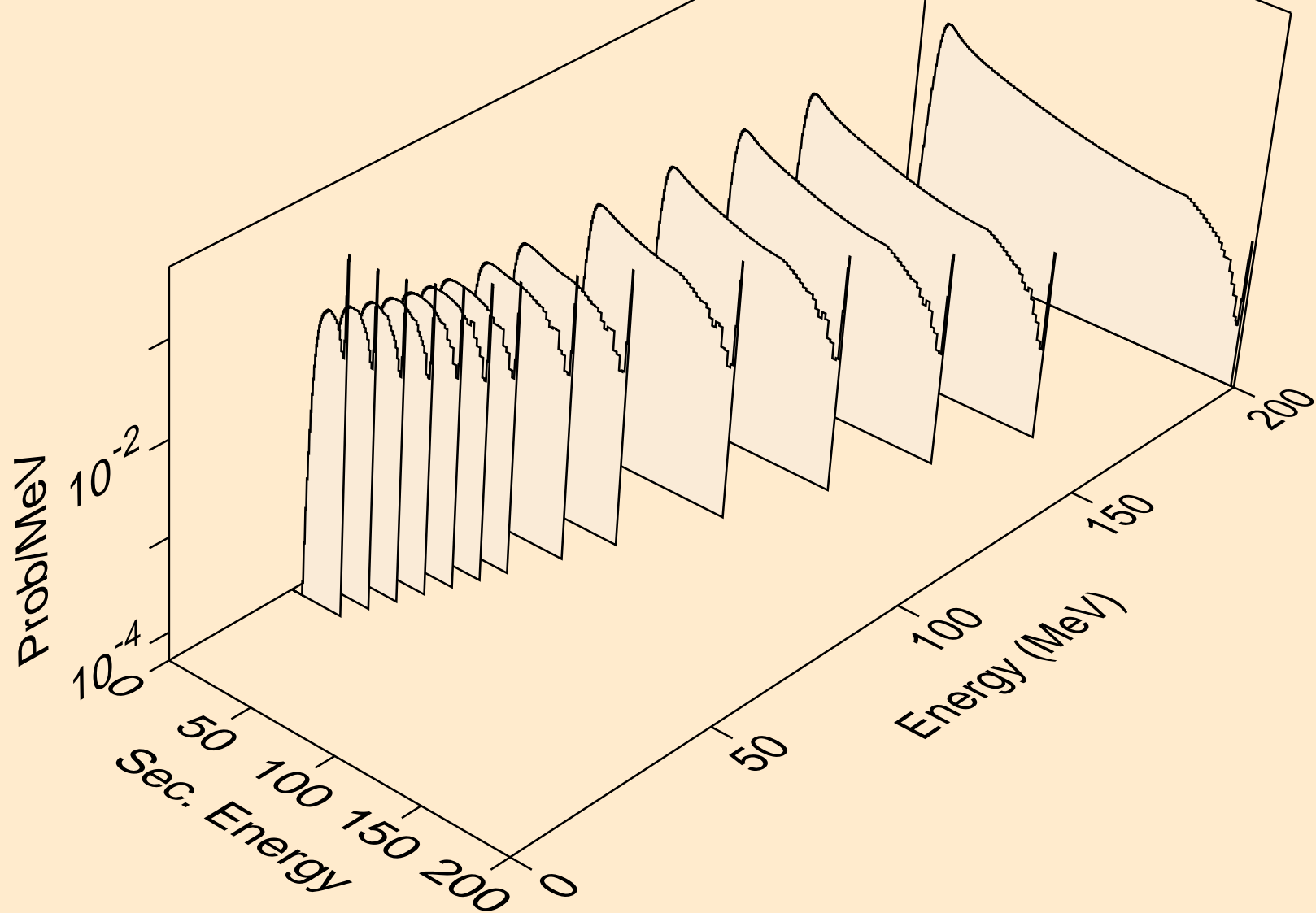
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



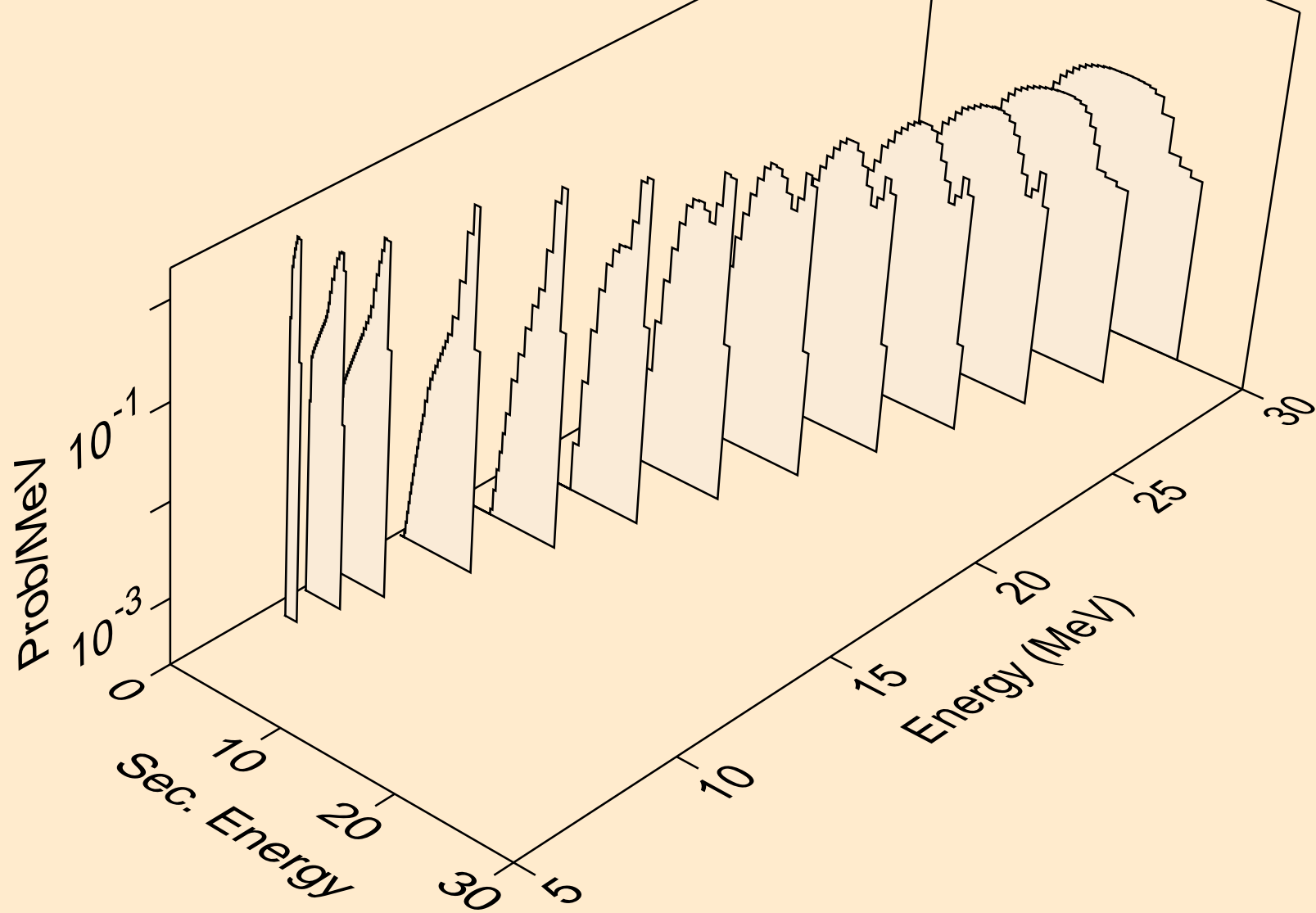
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



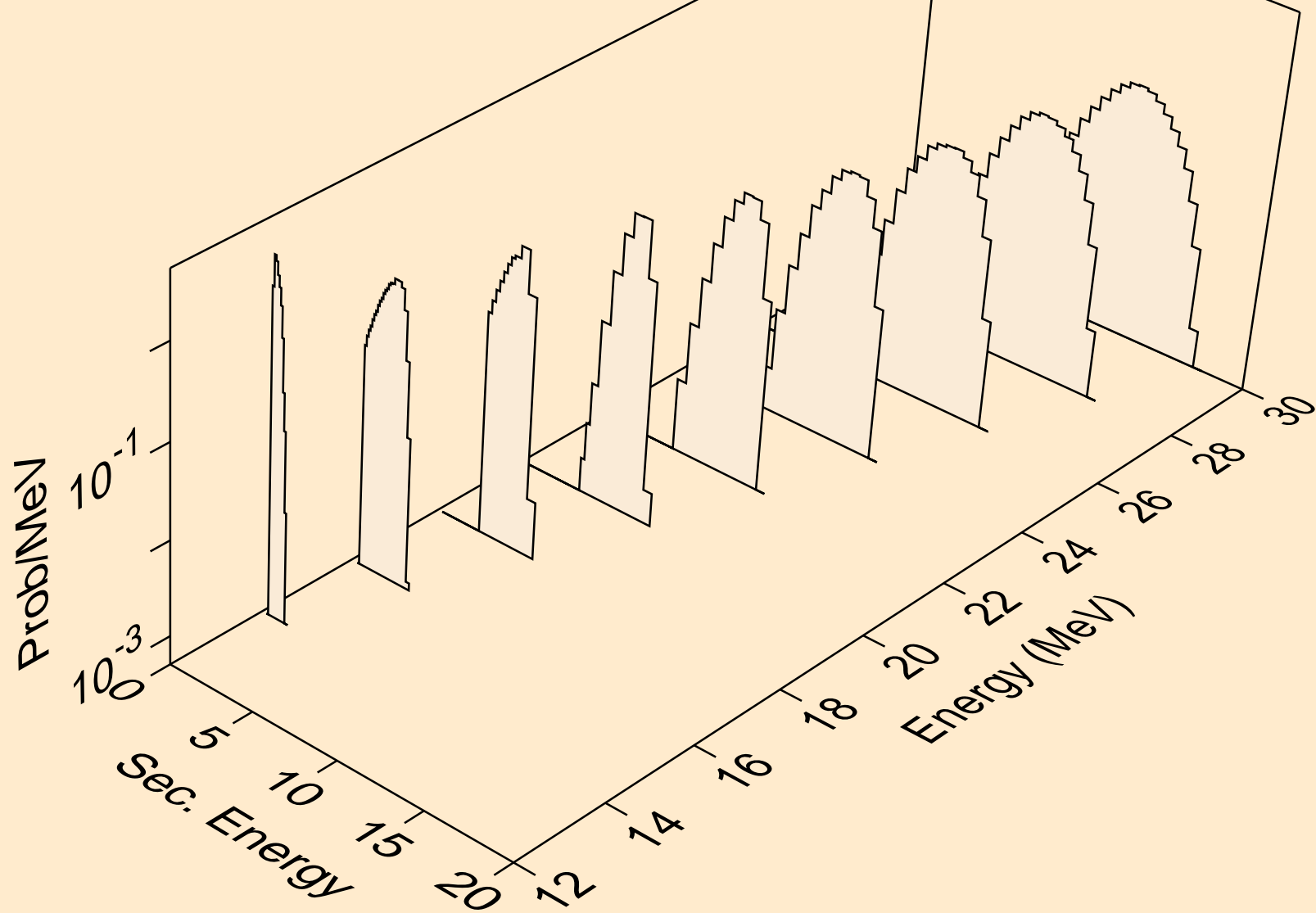
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)



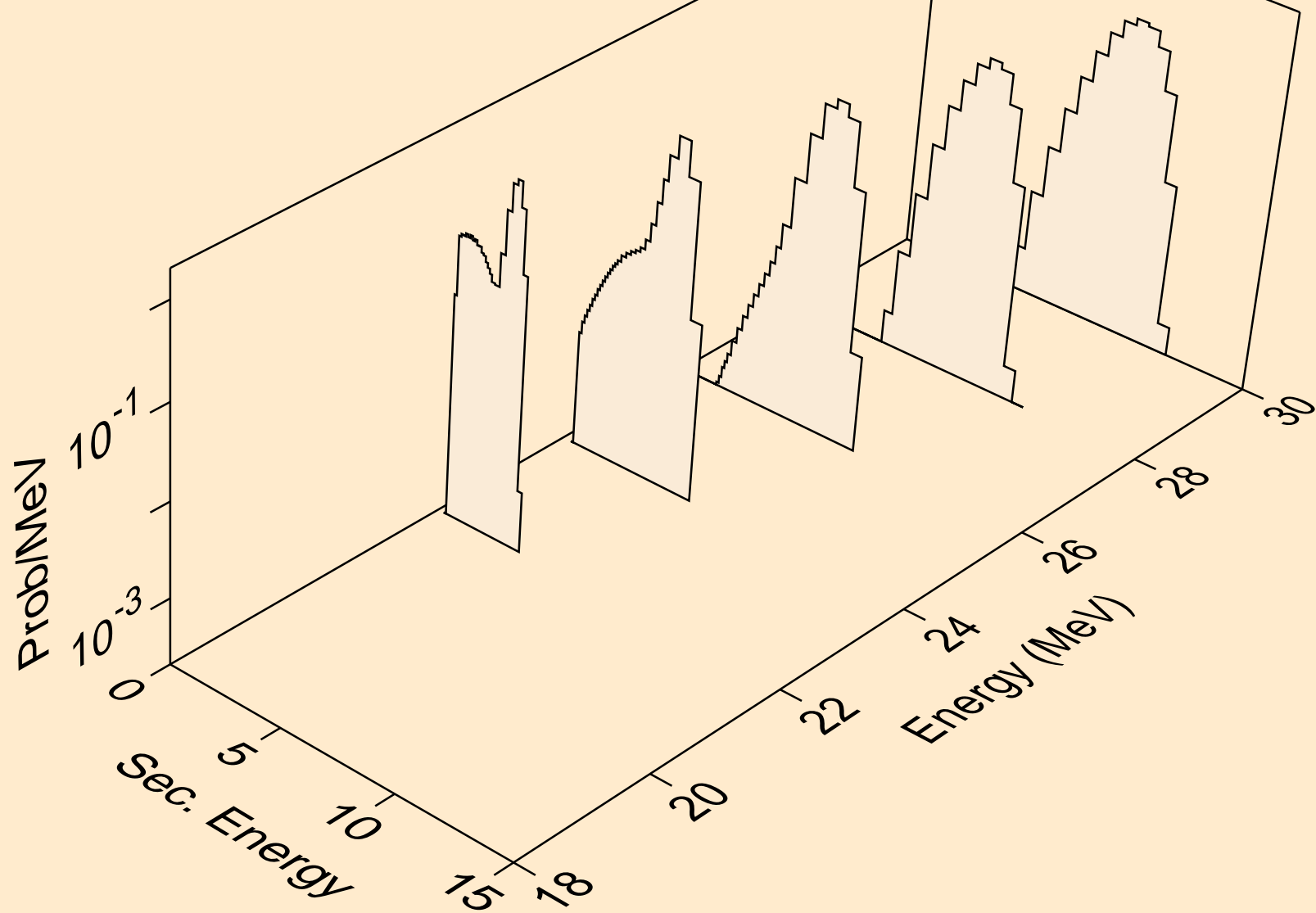
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



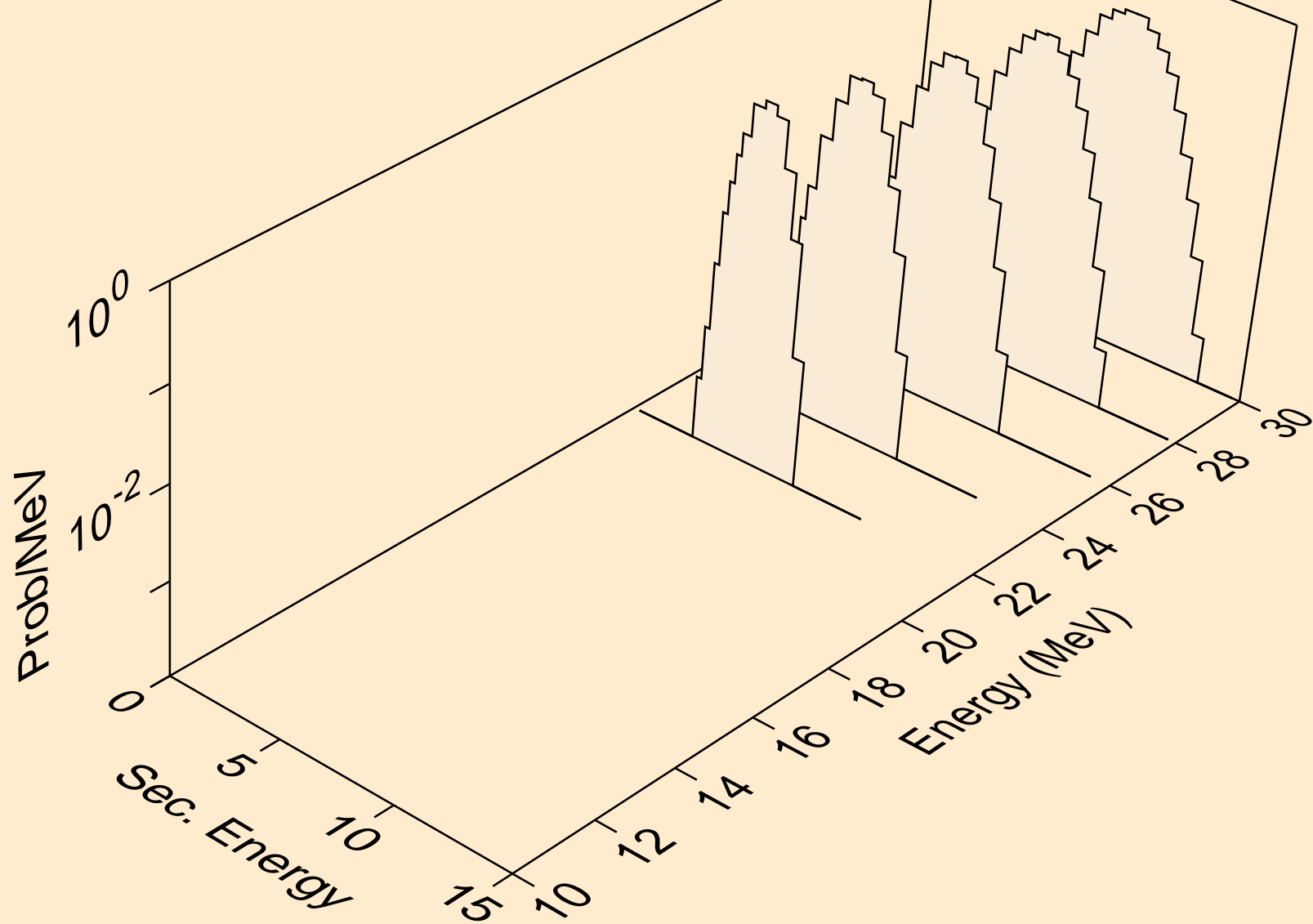
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



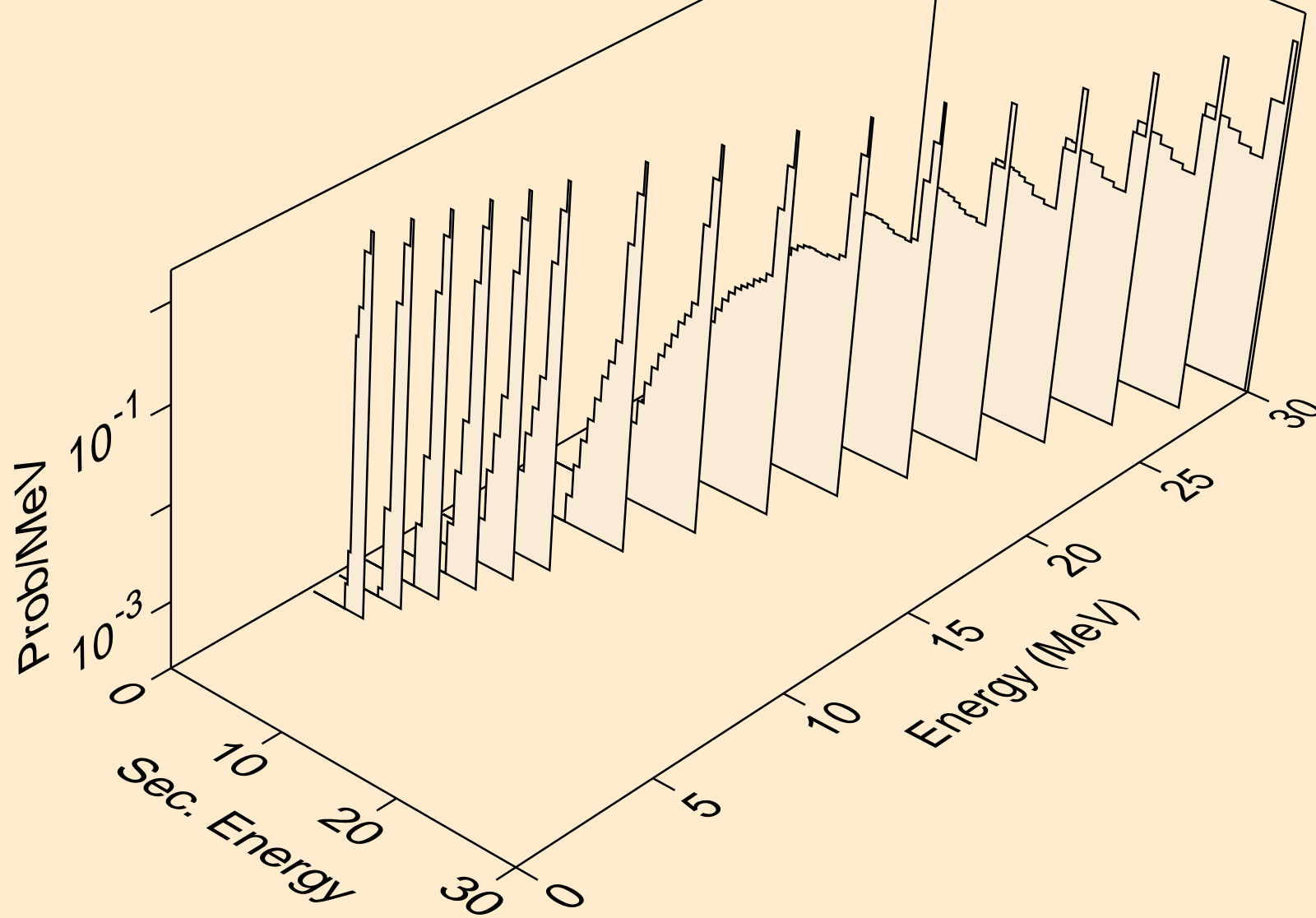
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Proton emission for (p,3np)



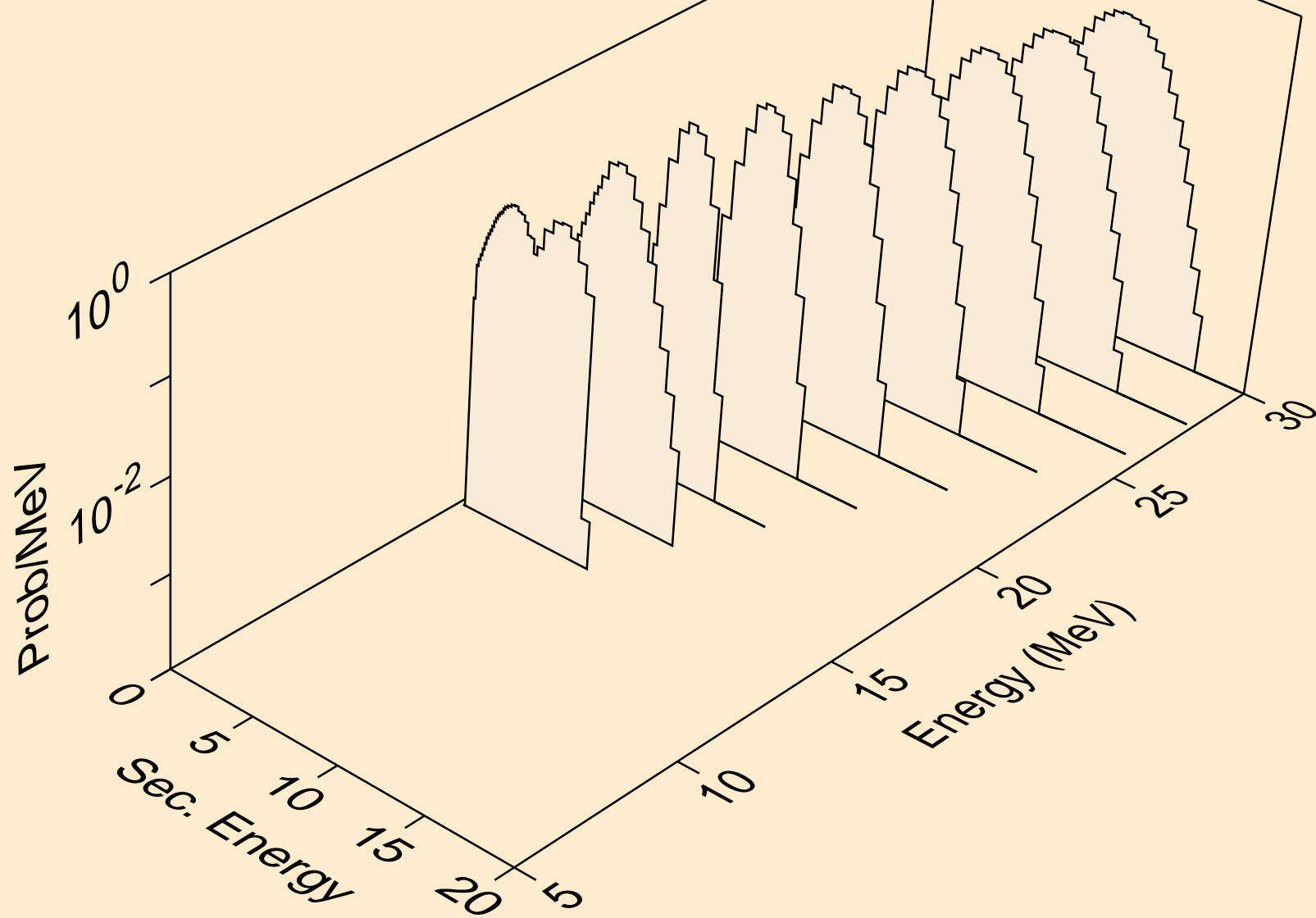
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Proton emission for (p,n2p)



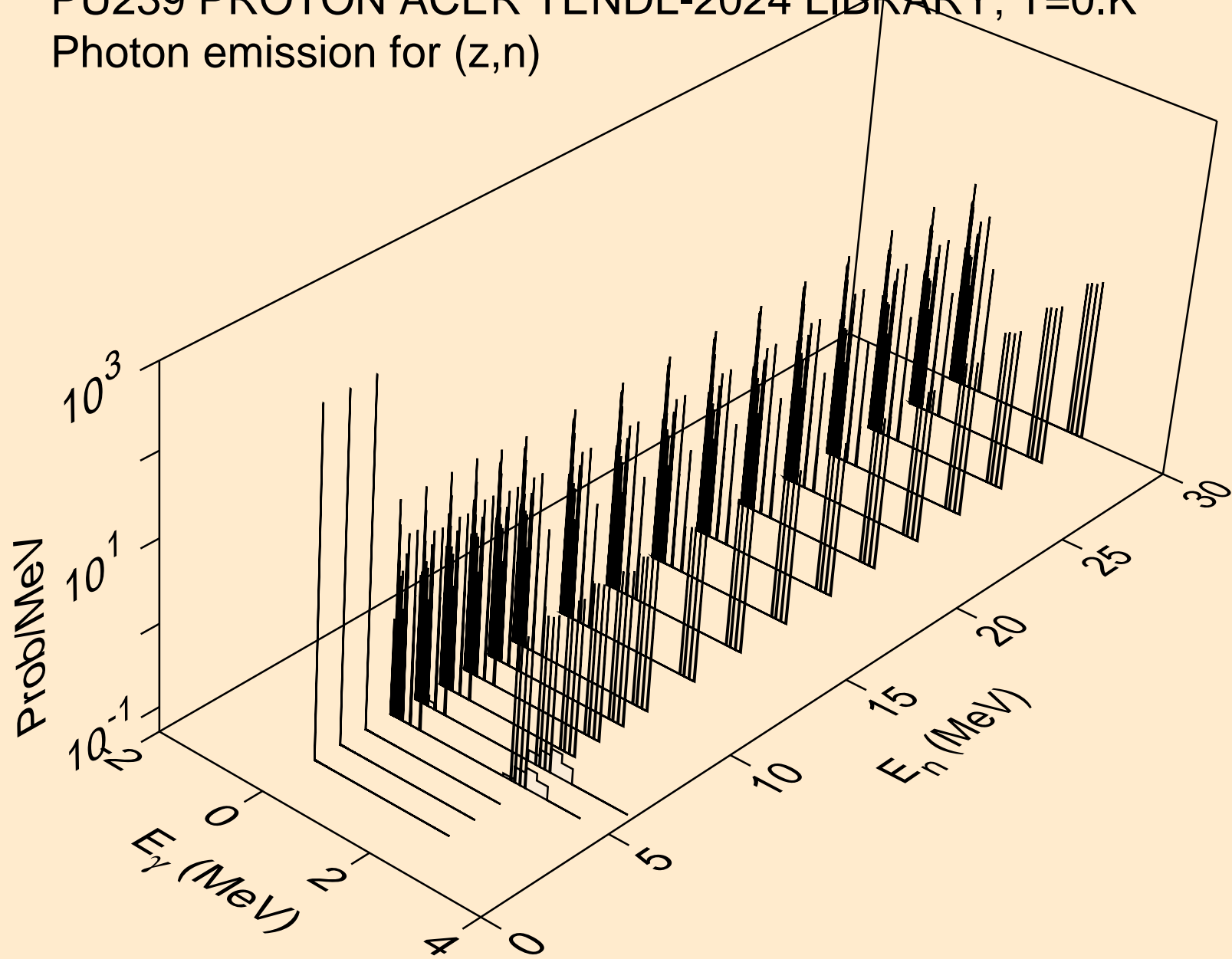
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



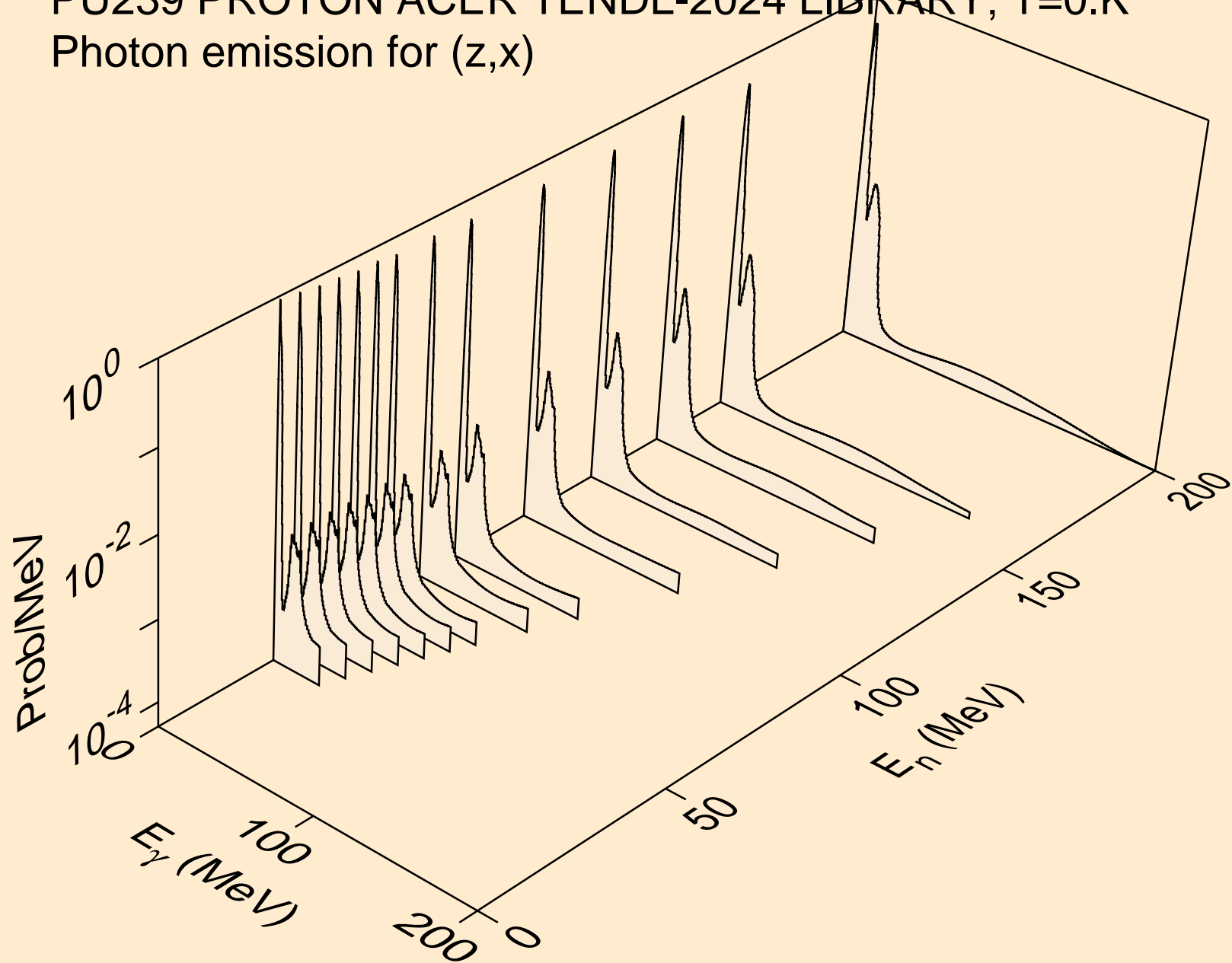
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Proton emission for (p,2p)



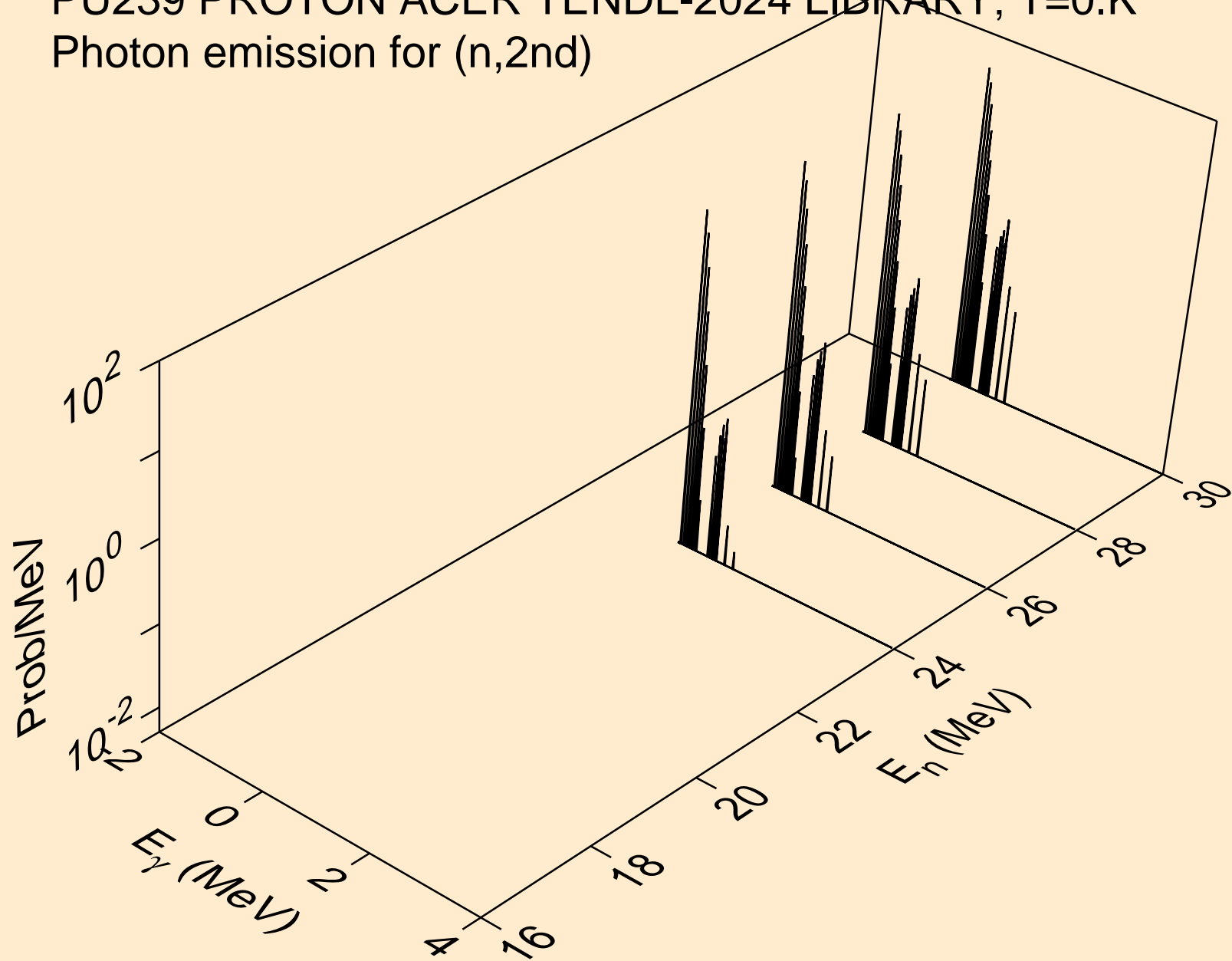
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



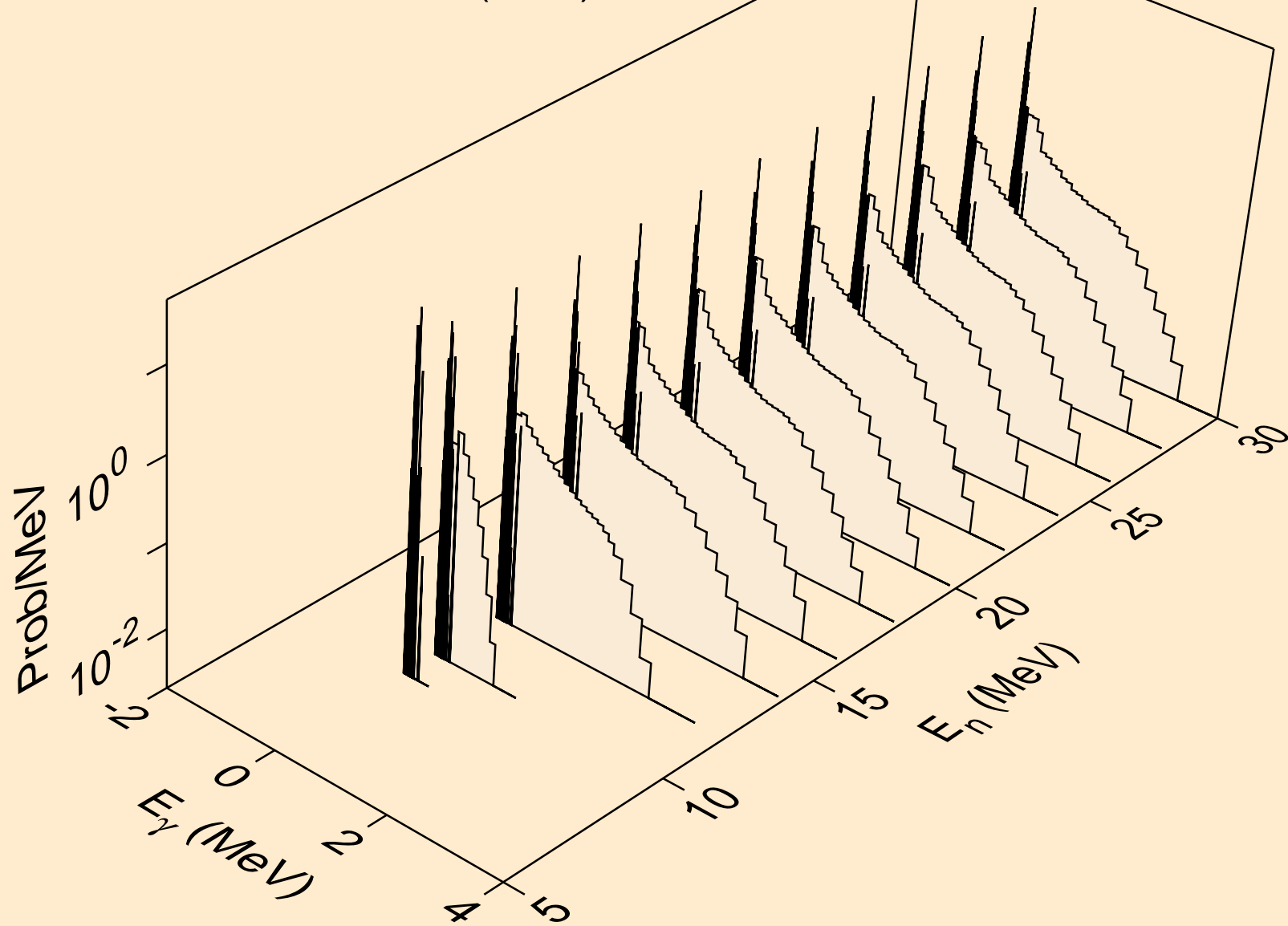
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



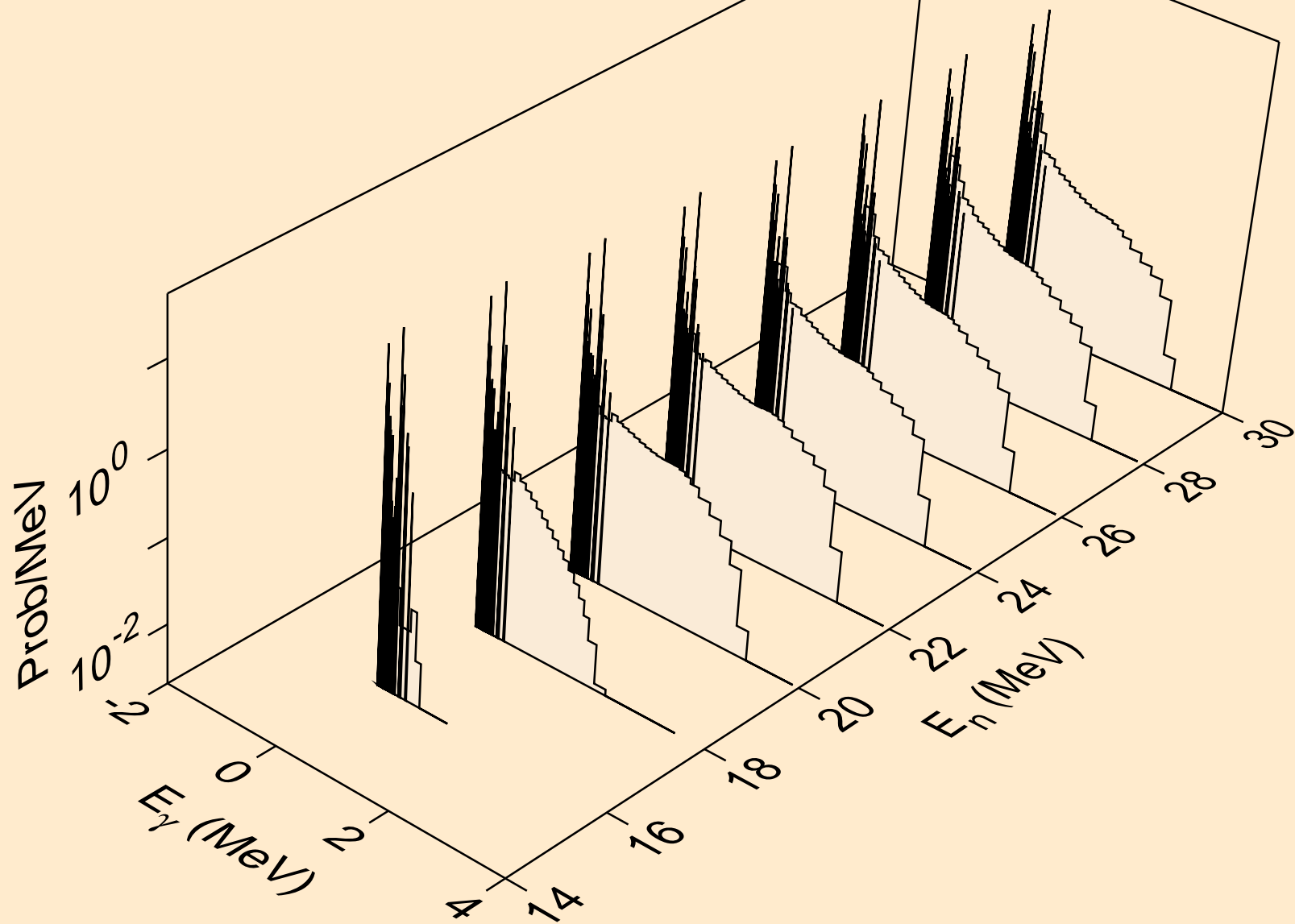
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Photon emission for (n,2nd)



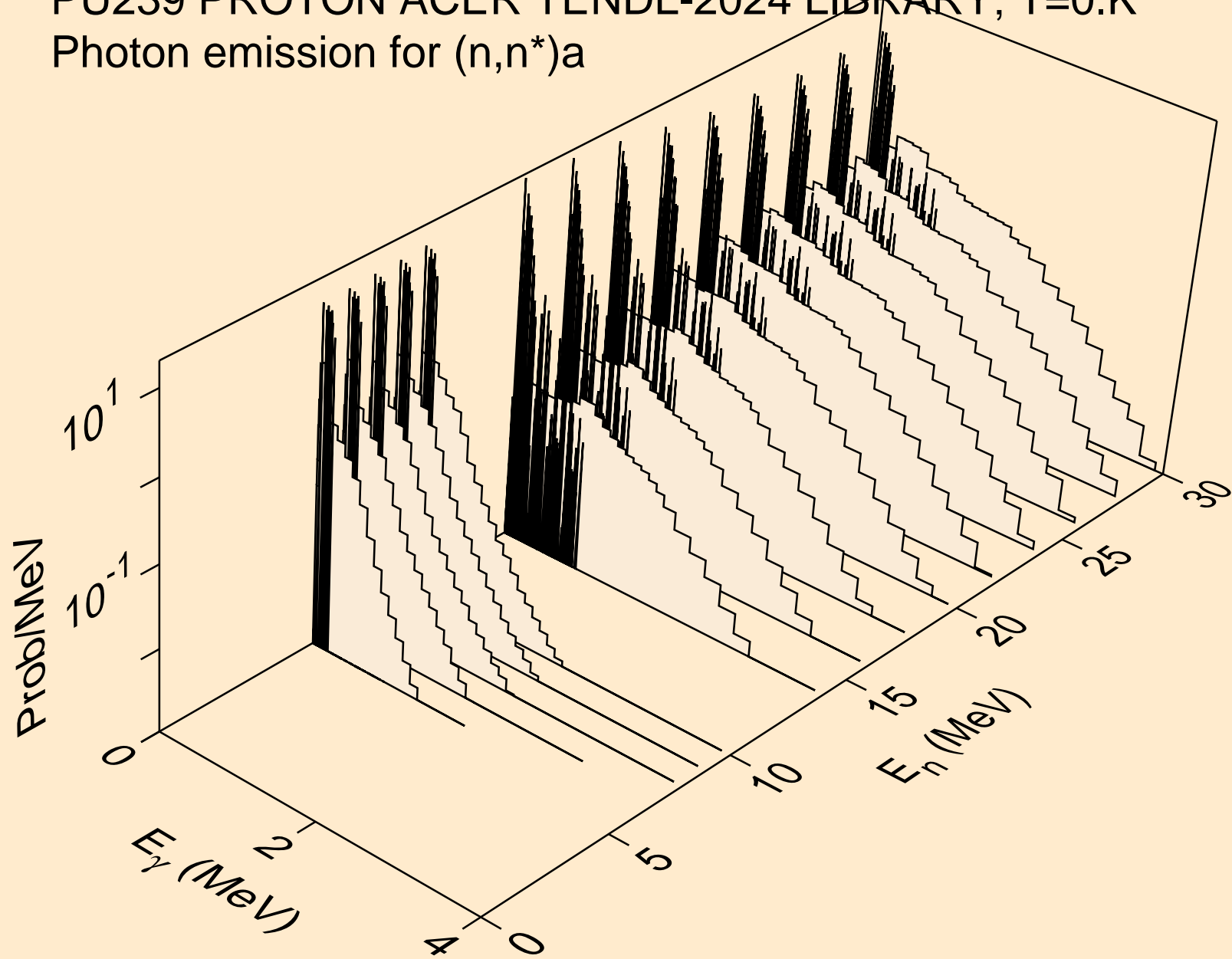
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Photon emission for (n,2n)



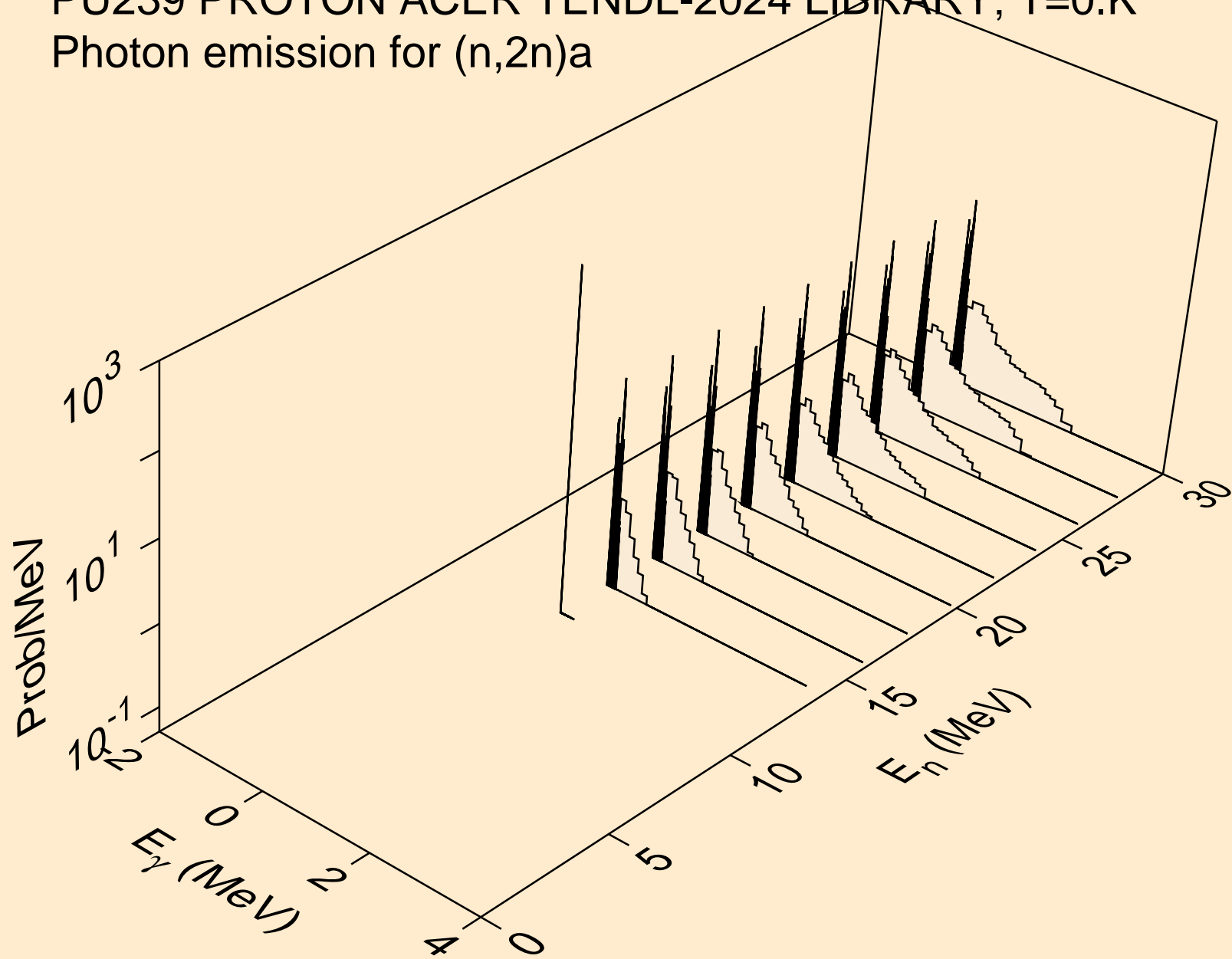
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Photon emission for (n,3n)



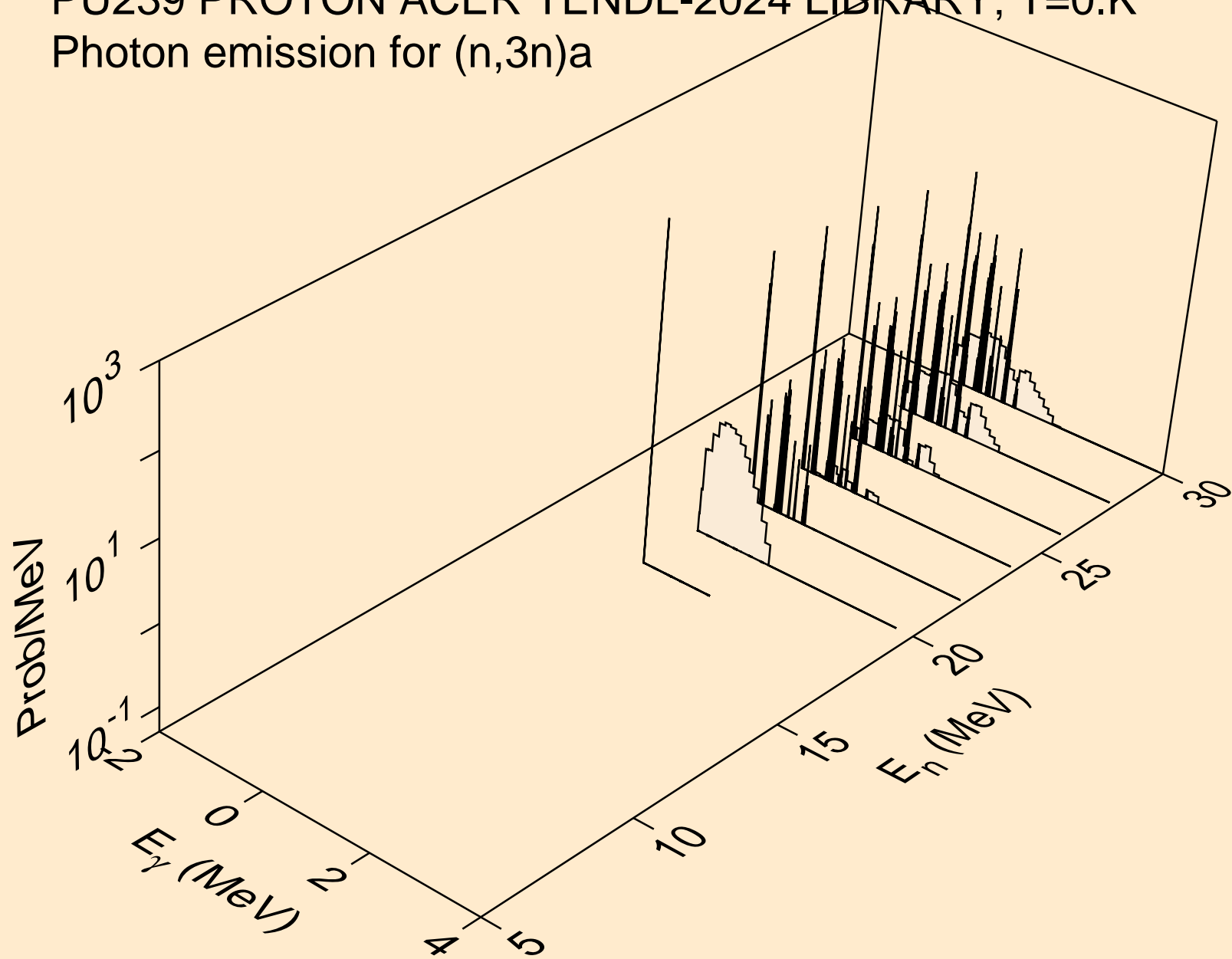
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



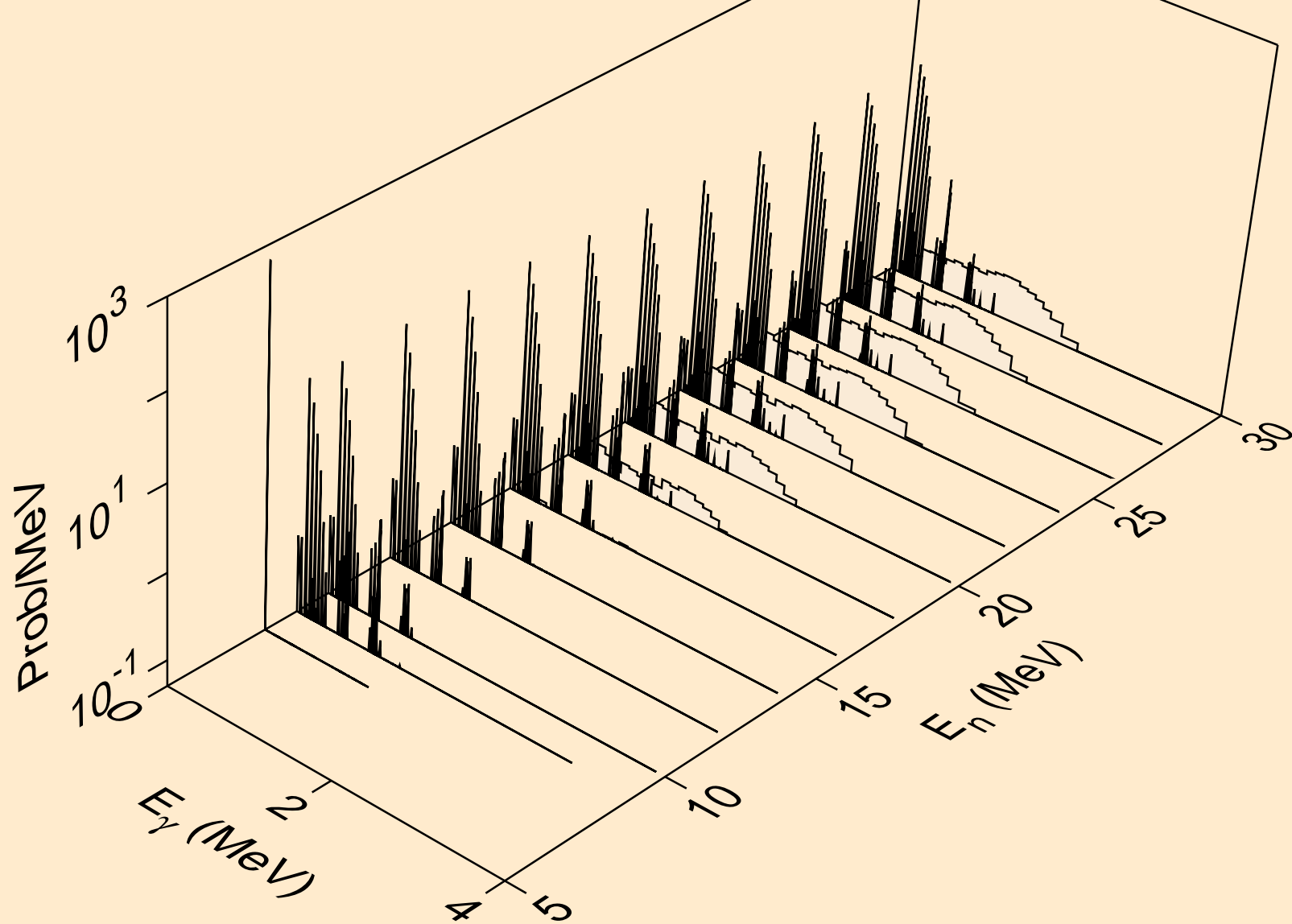
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Photon emission for (n,2n)a



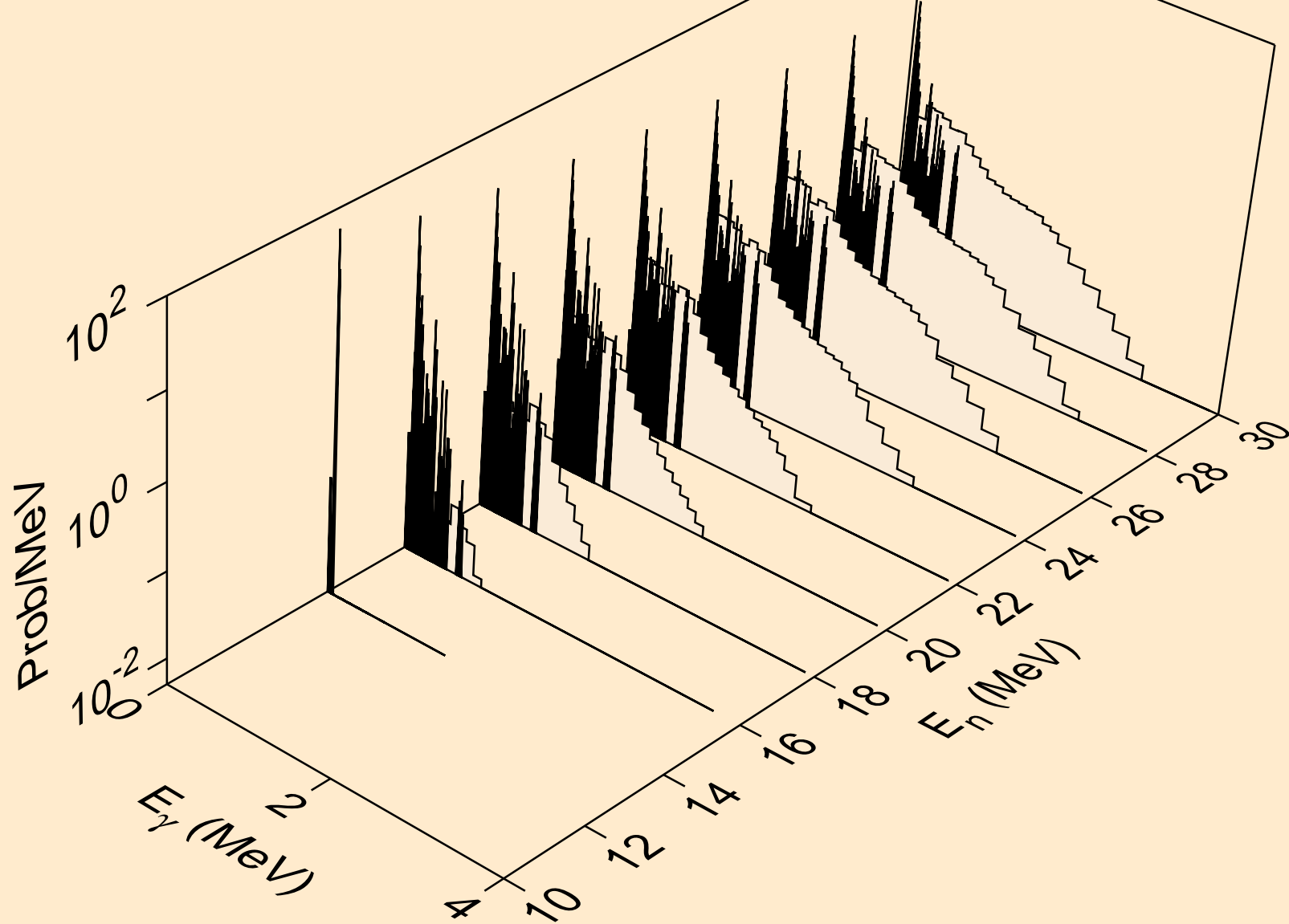
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Photon emission for (n,3n)a



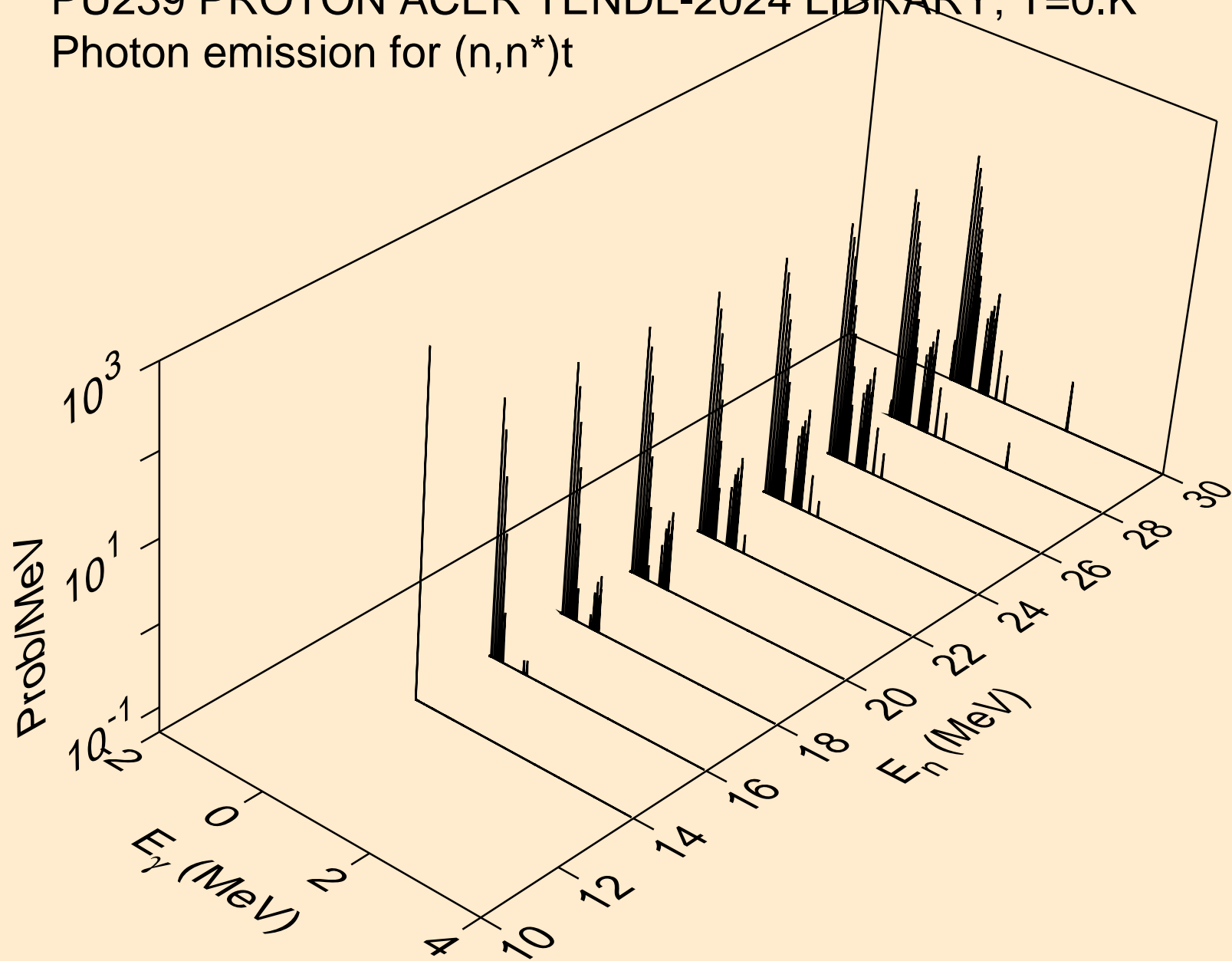
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Photon emission for (n,n\*)p



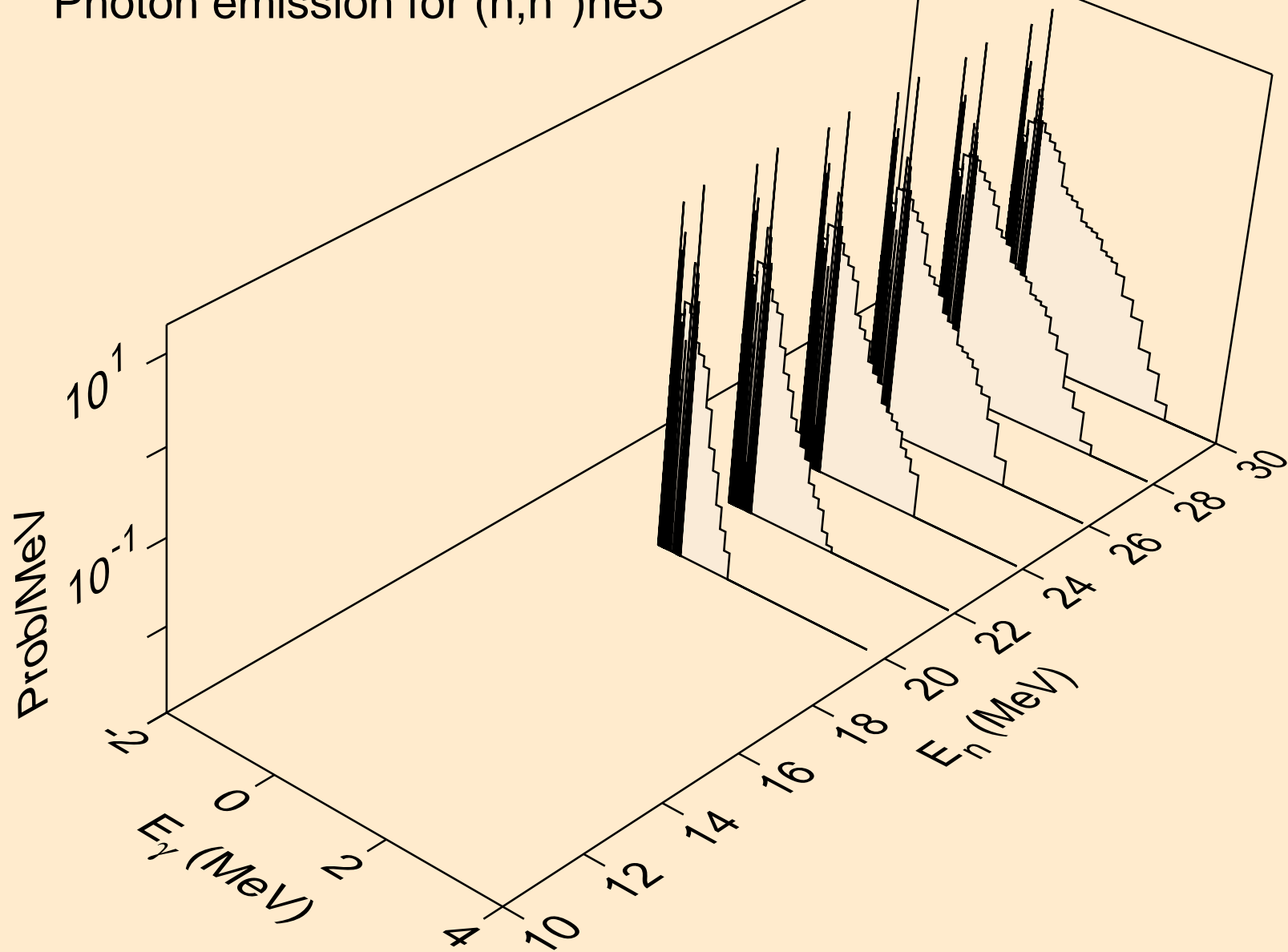
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



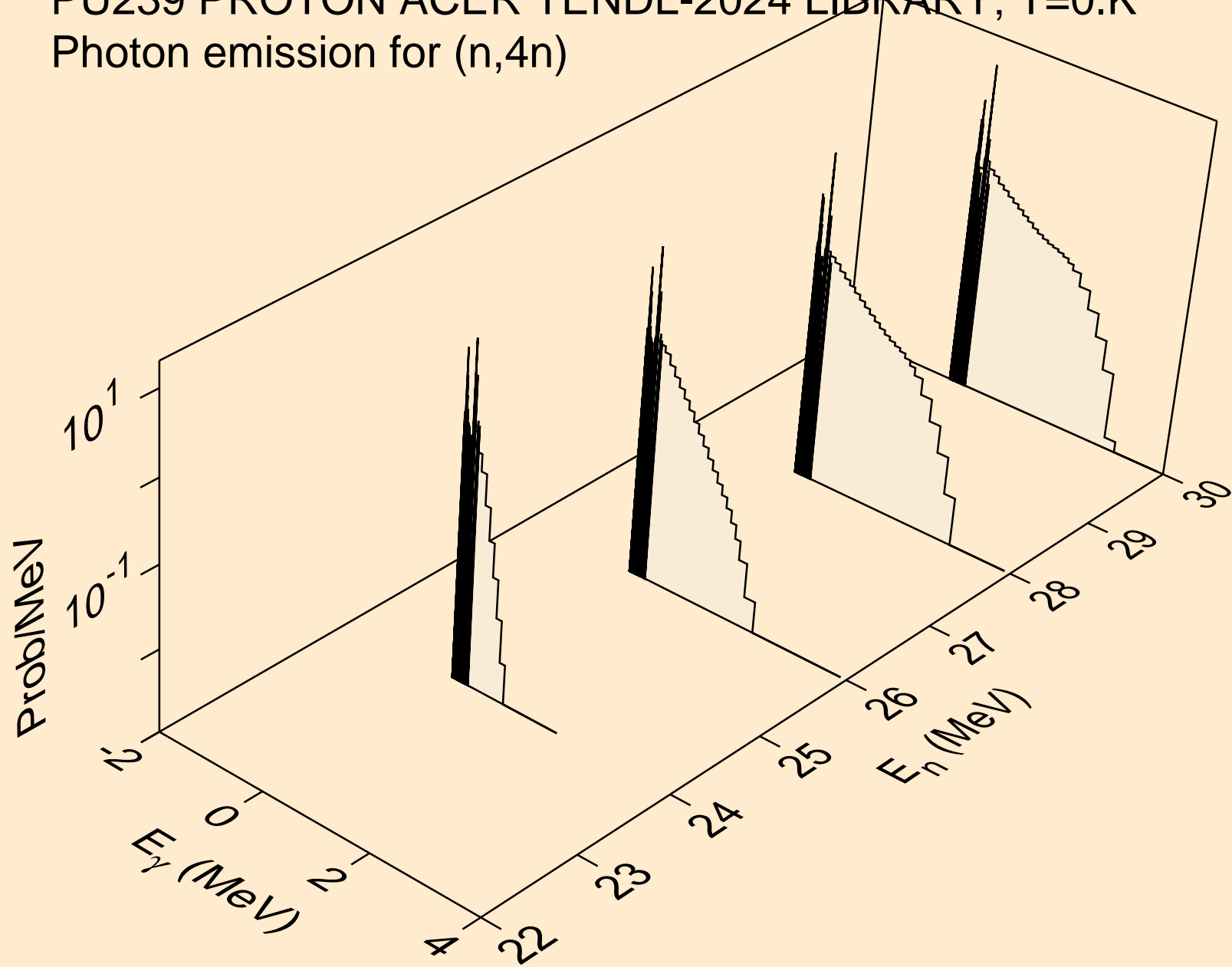
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



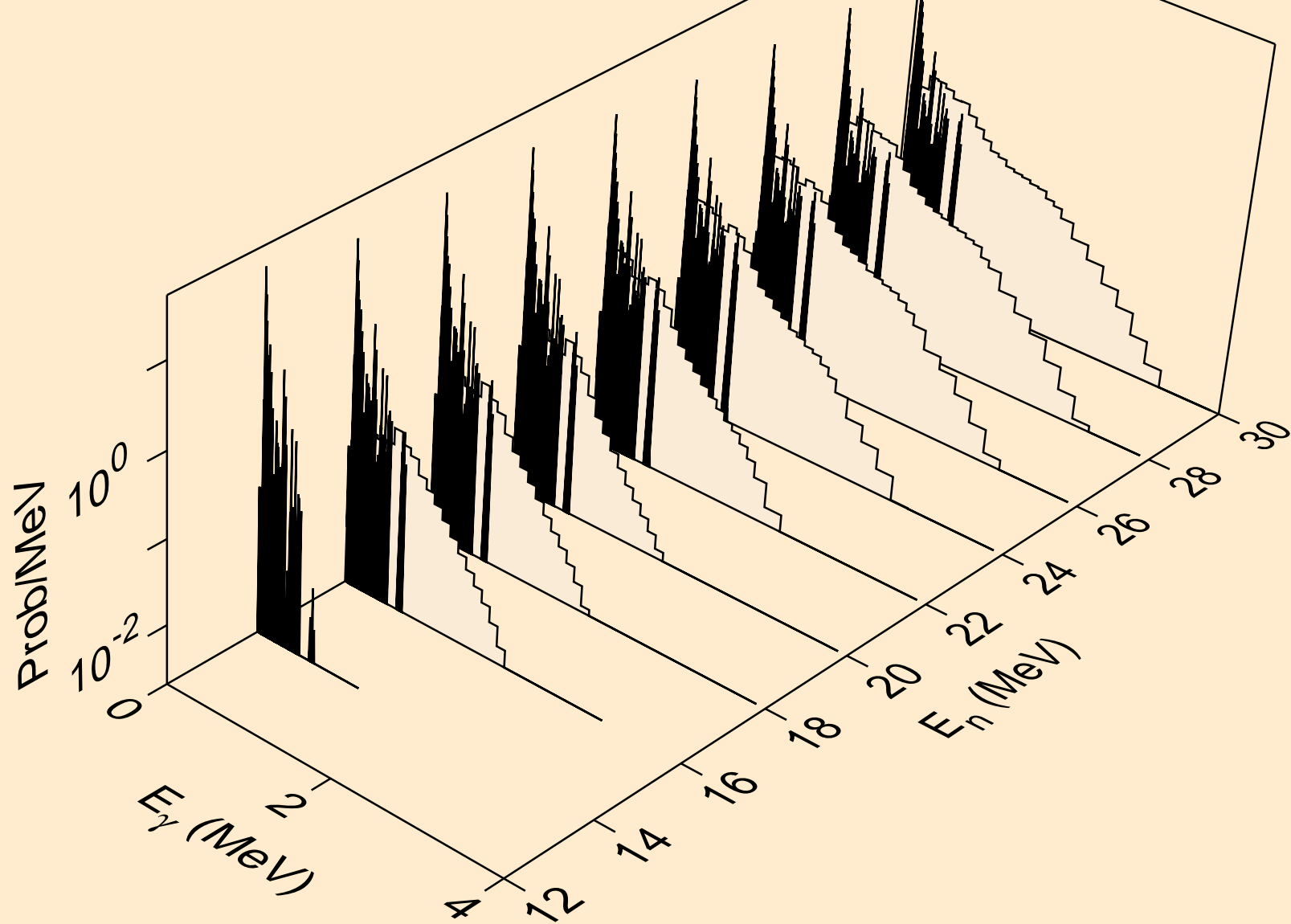
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



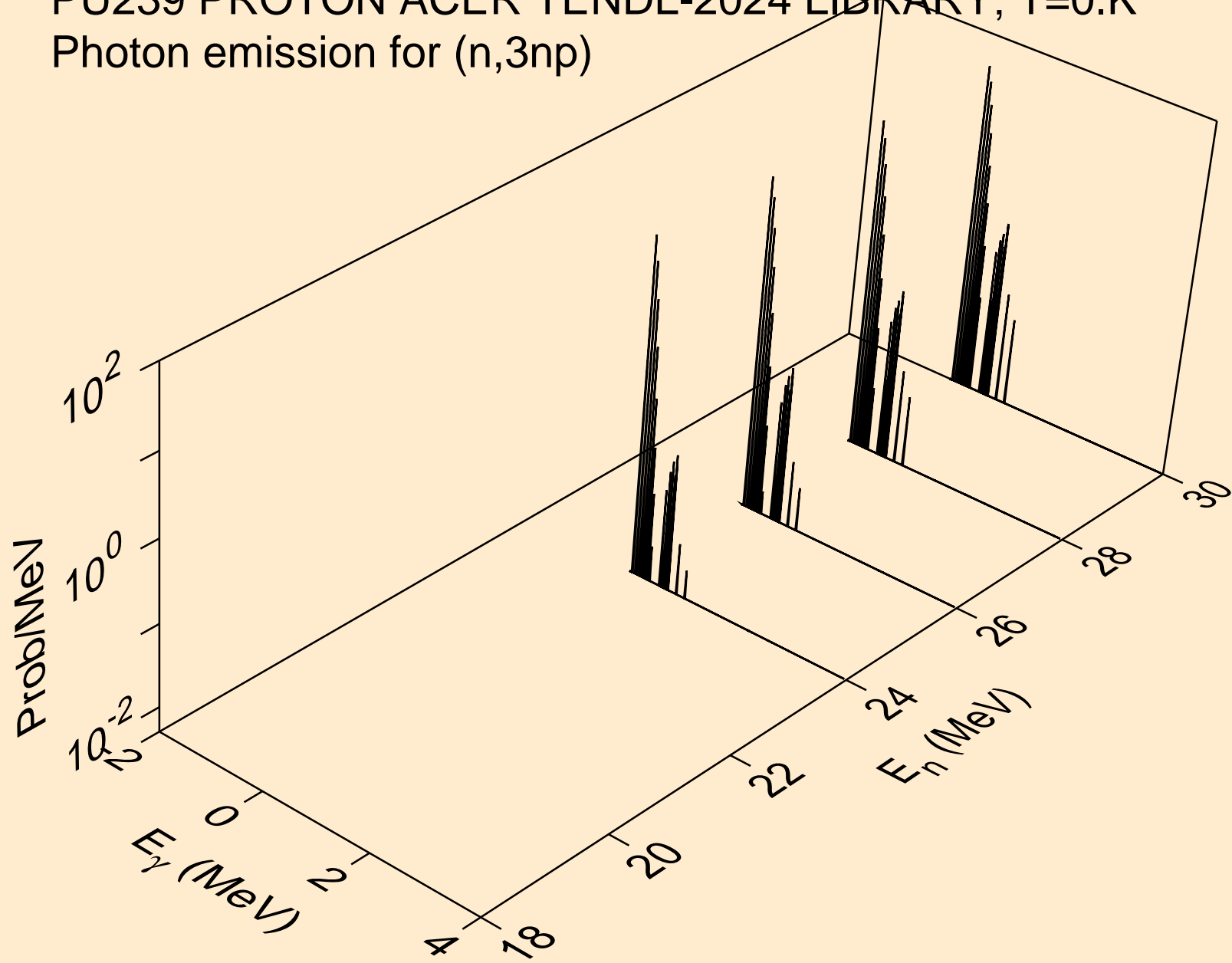
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



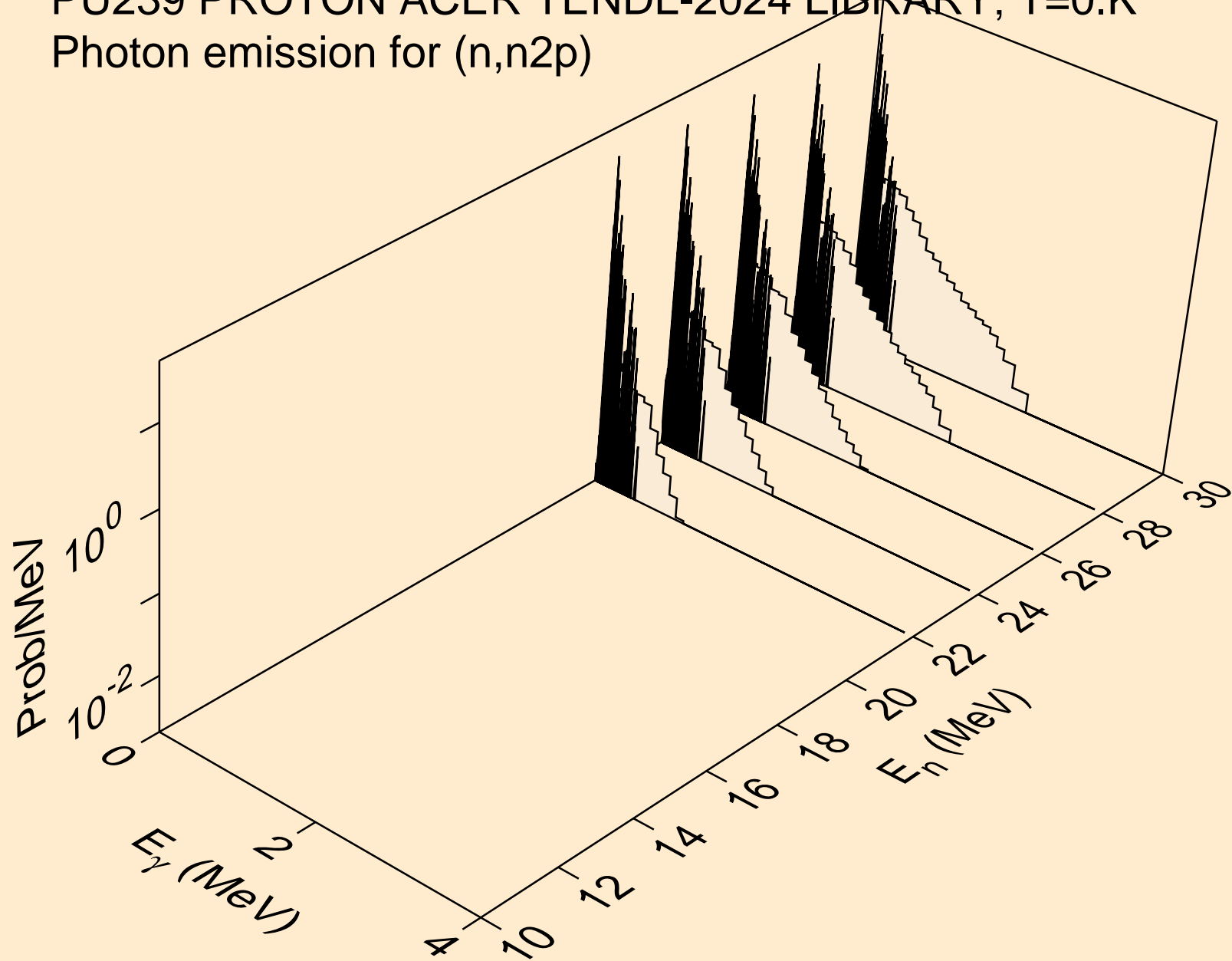
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Photon emission for (n,2np)



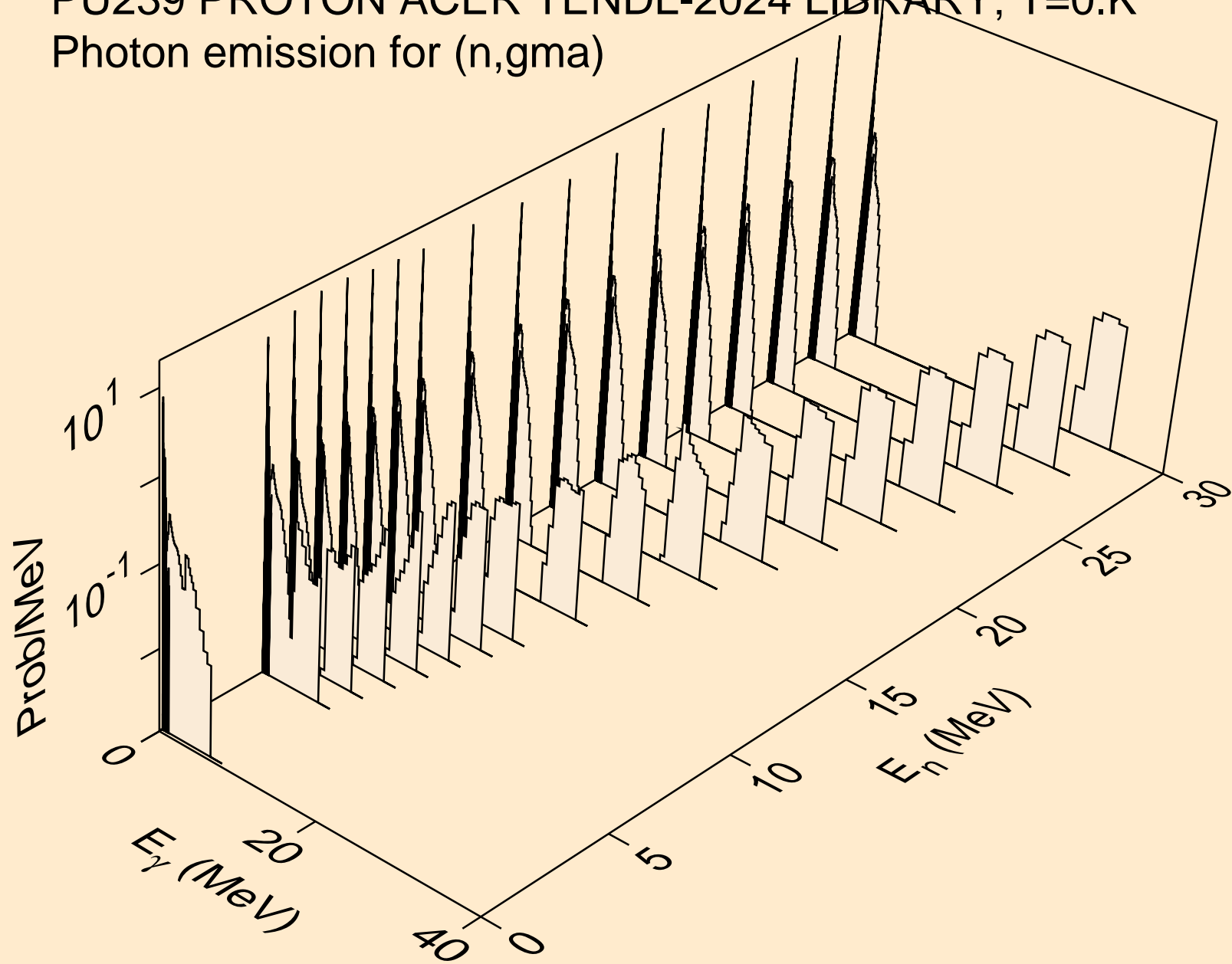
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Photon emission for (n,3np)



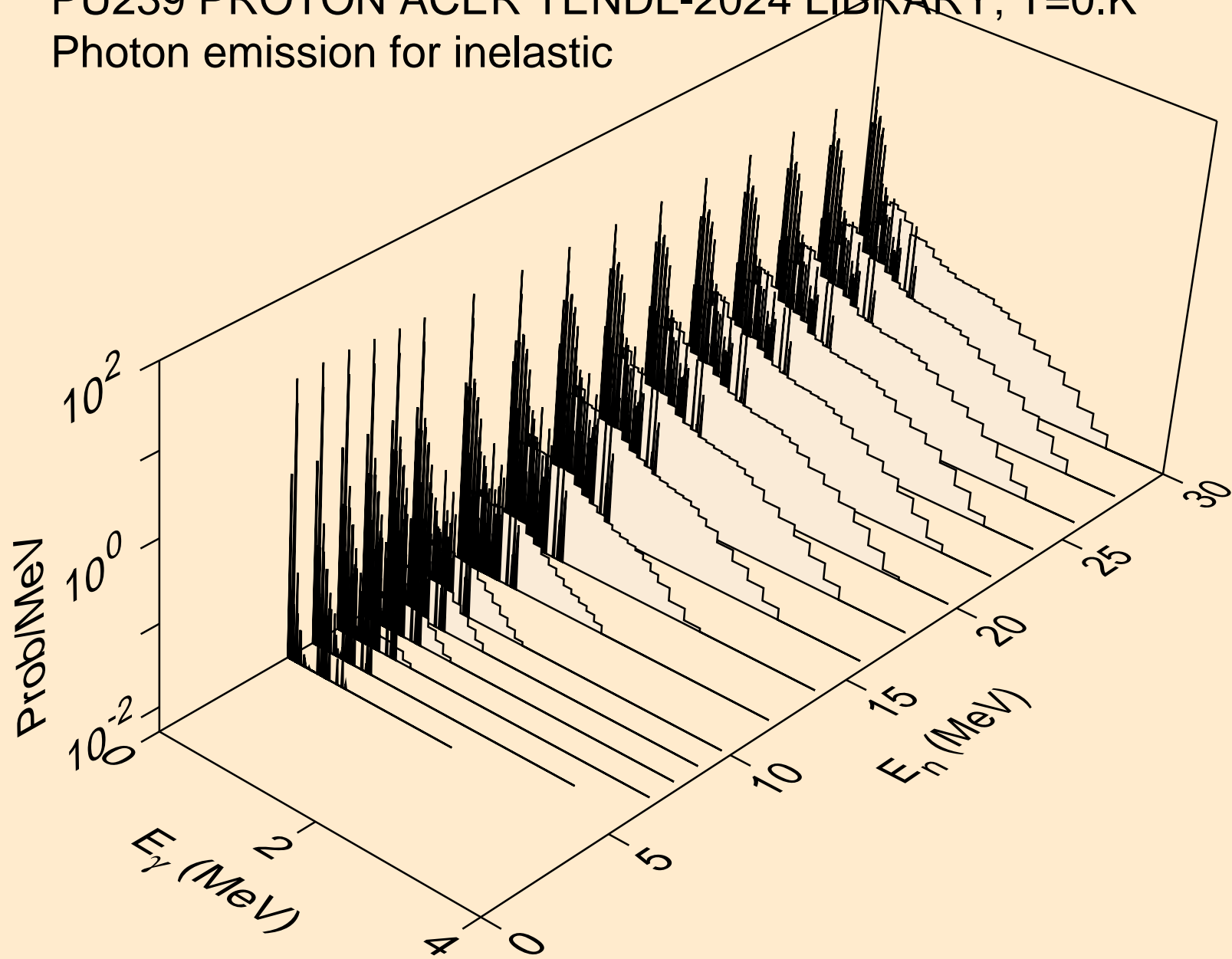
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Photon emission for (n,n2p)



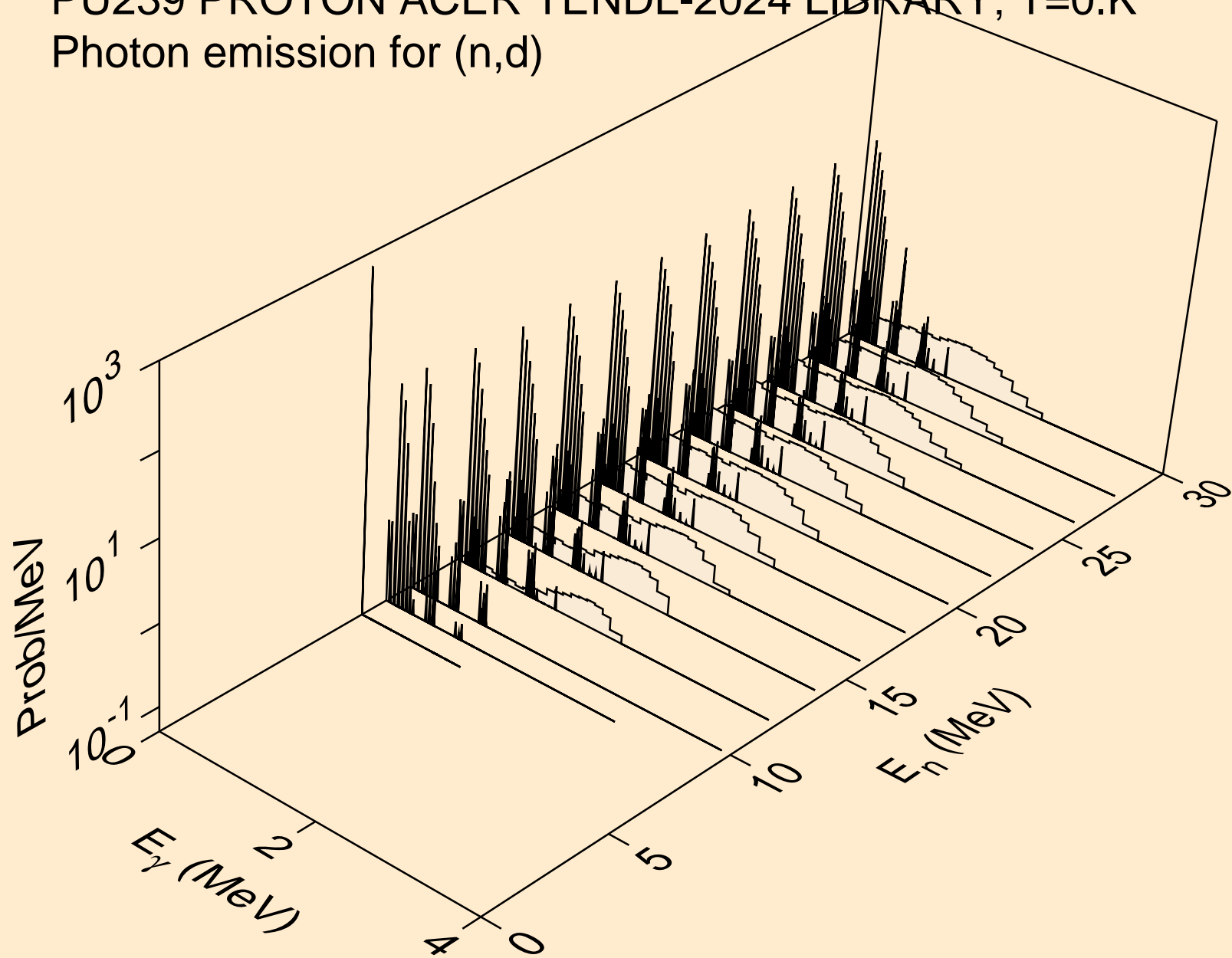
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Photon emission for (n,gma)



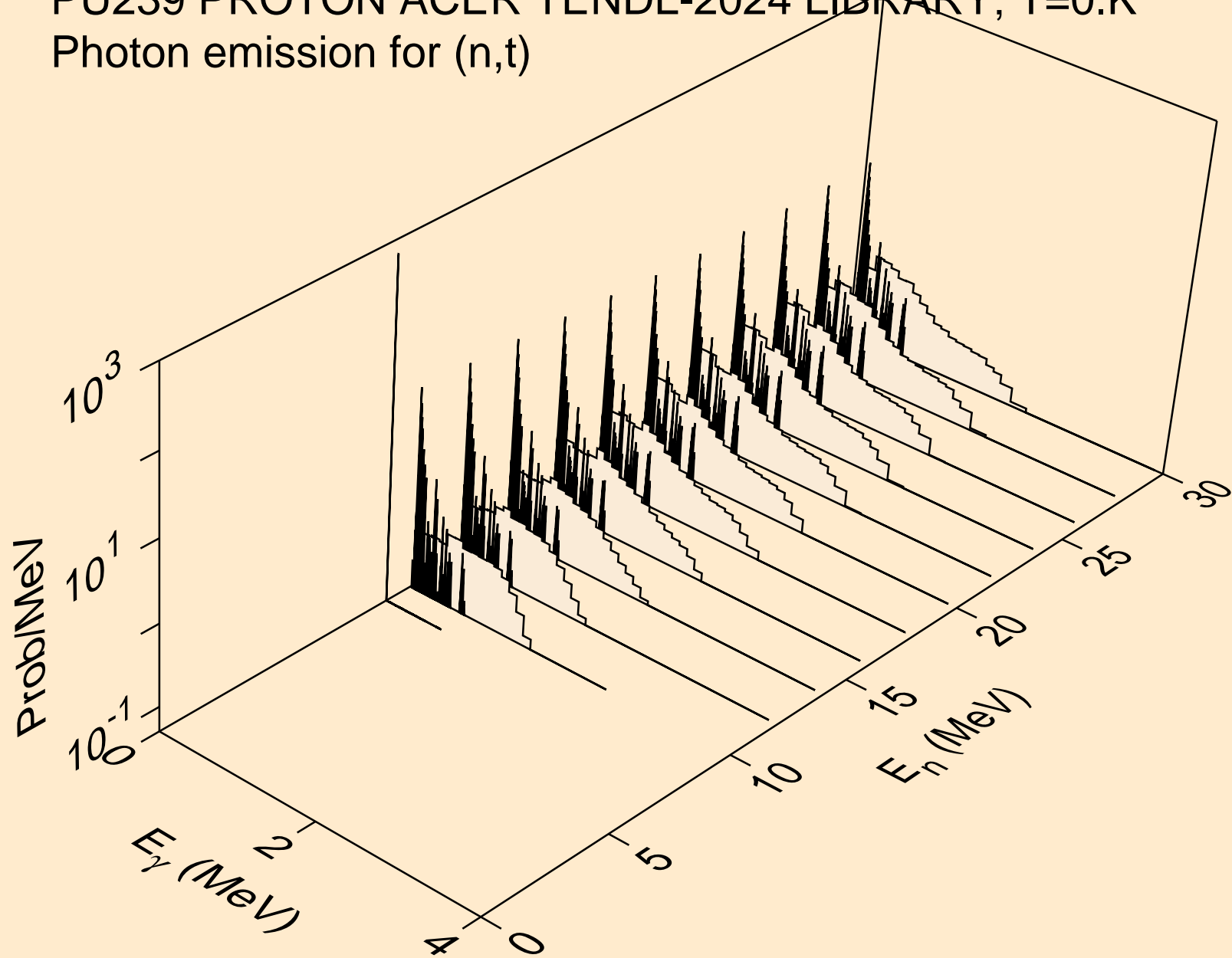
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



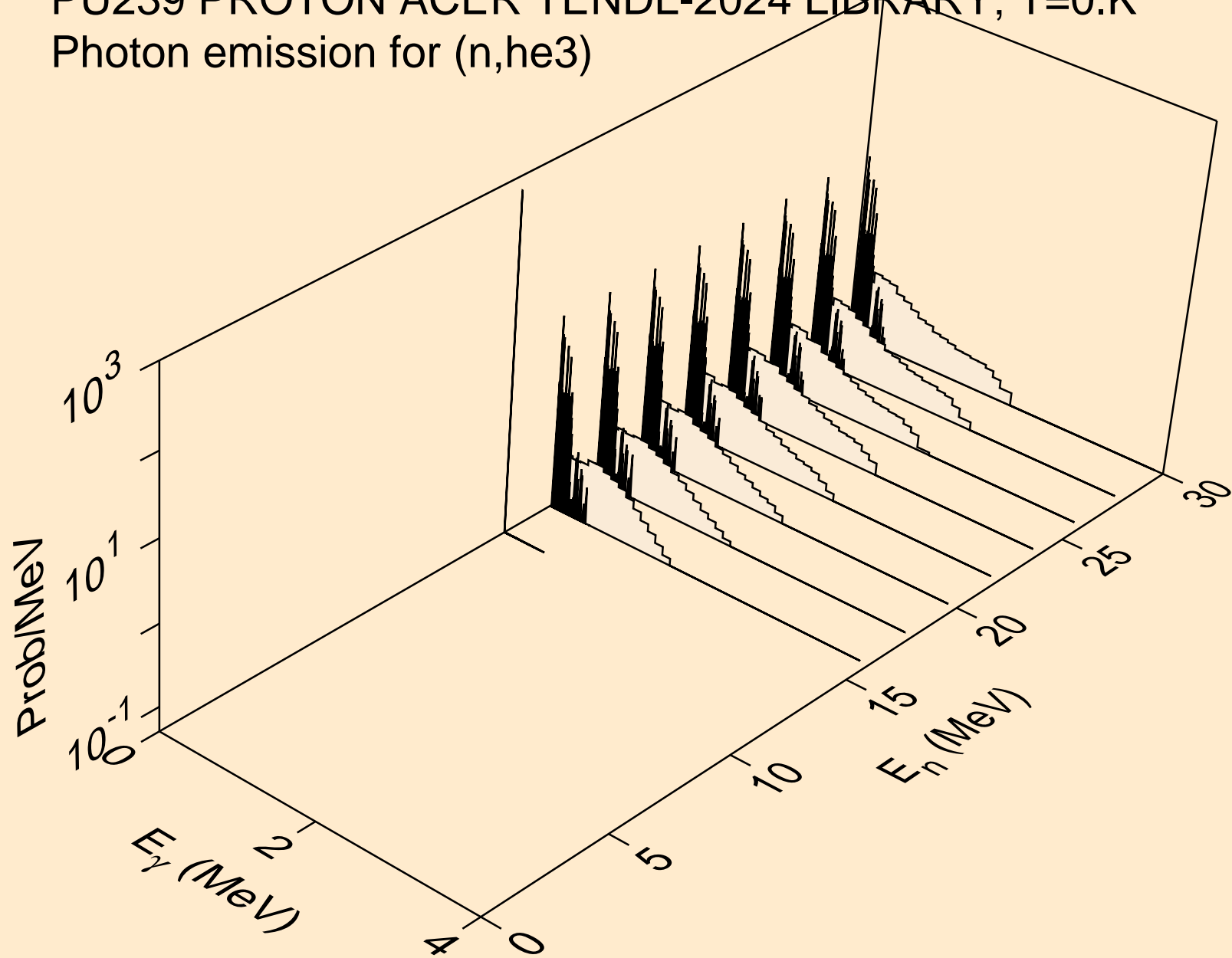
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Photon emission for (n,d)



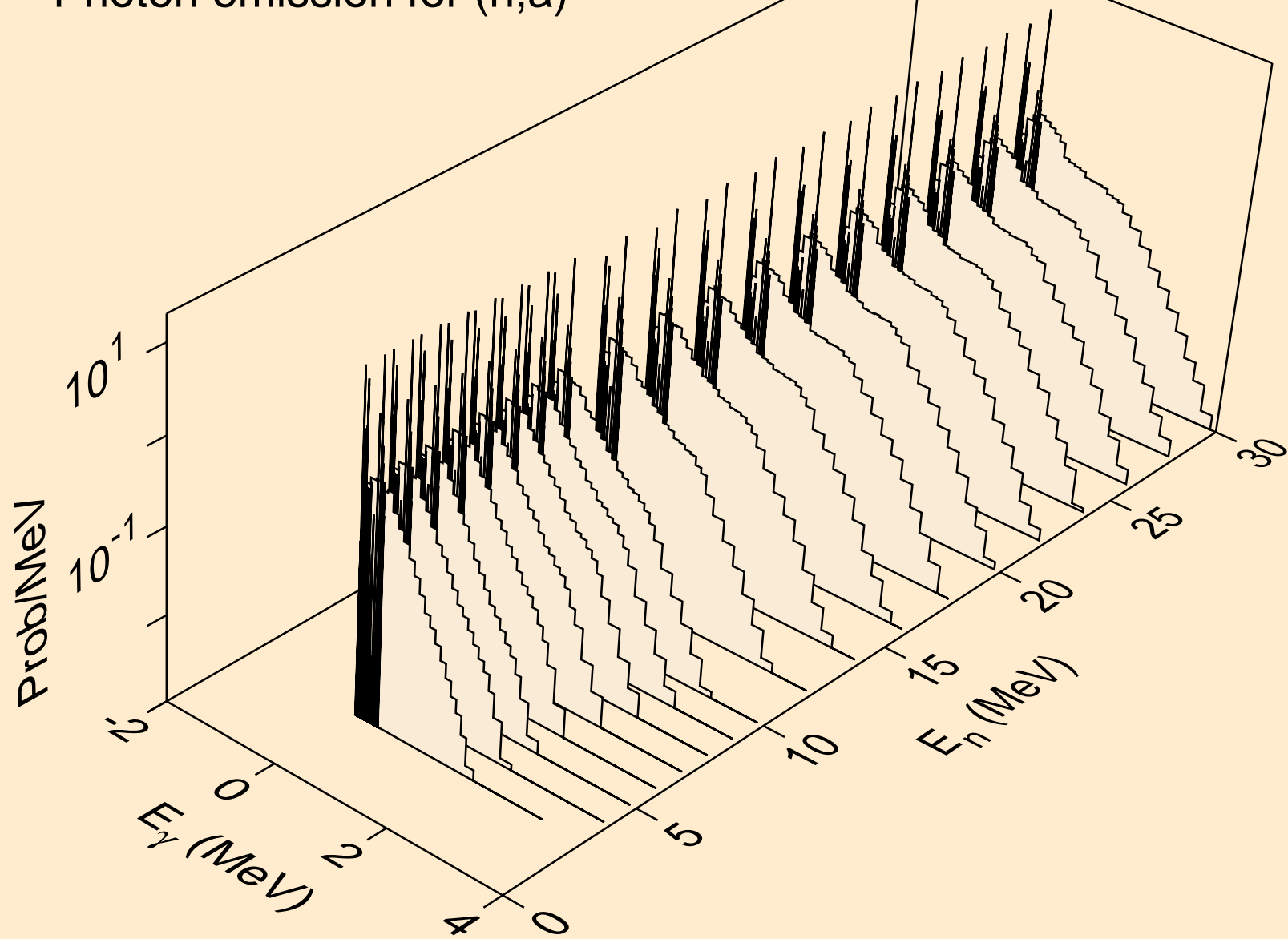
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



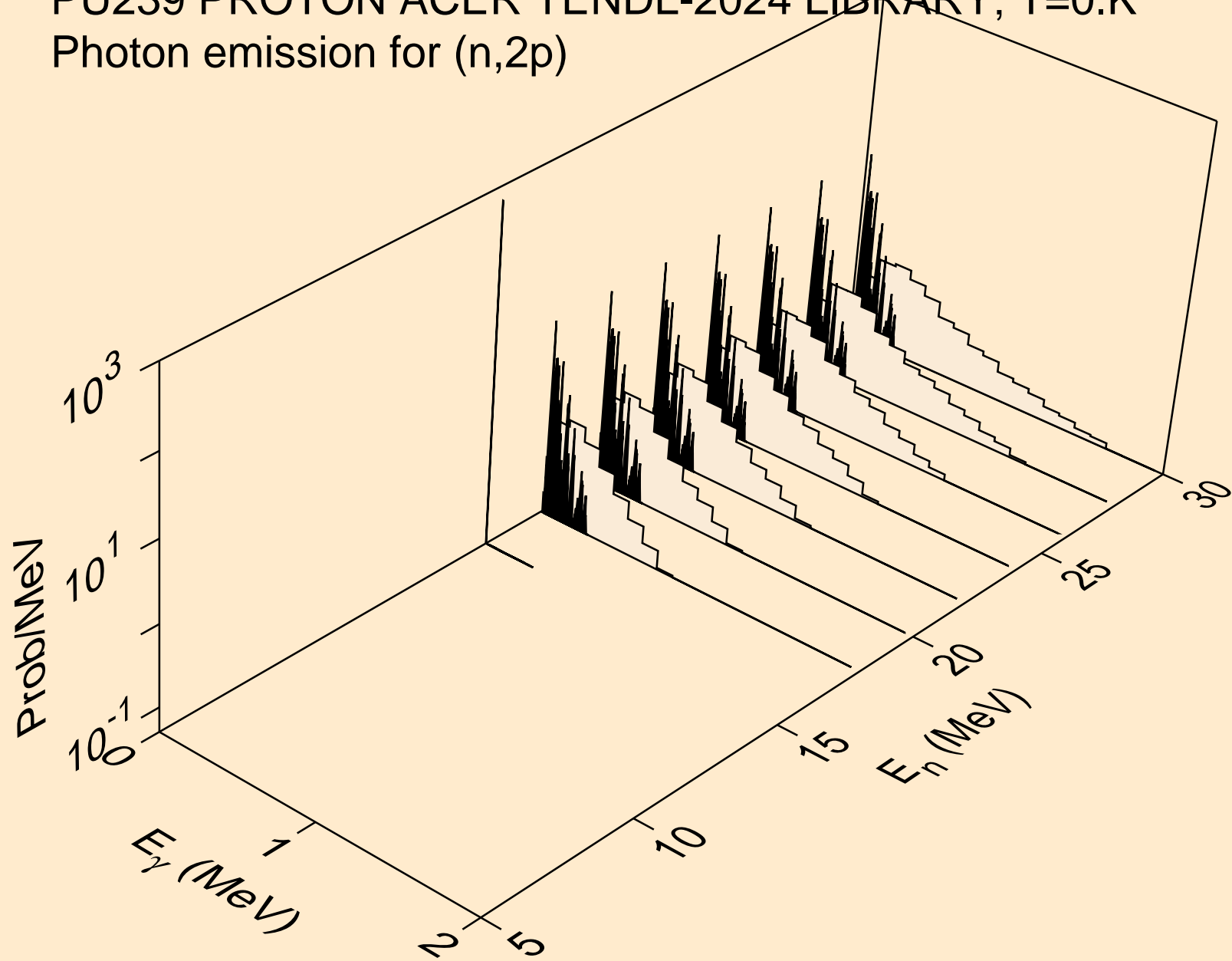
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Photon emission for (n,he3)



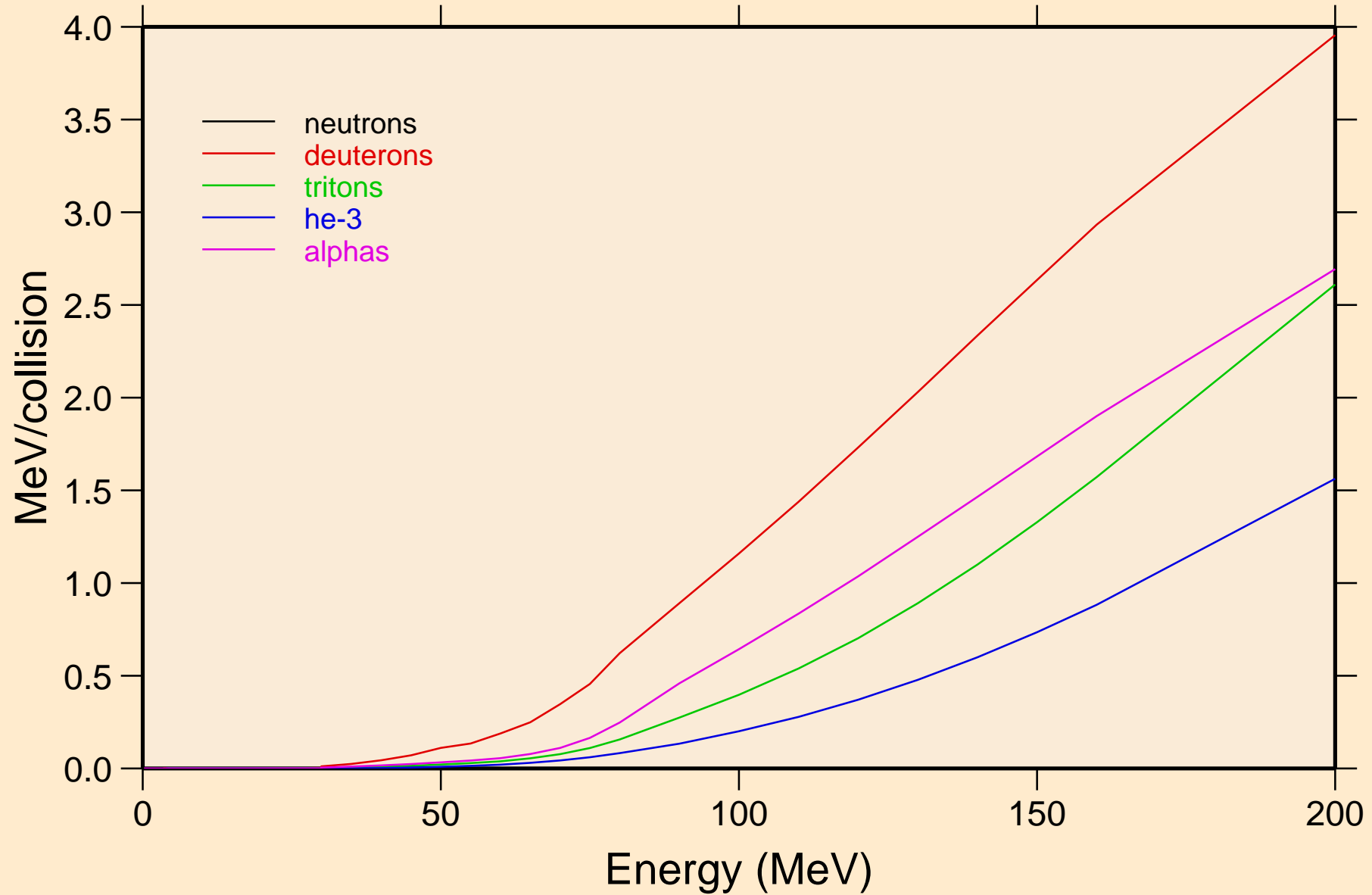
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Photon emission for (n,a)



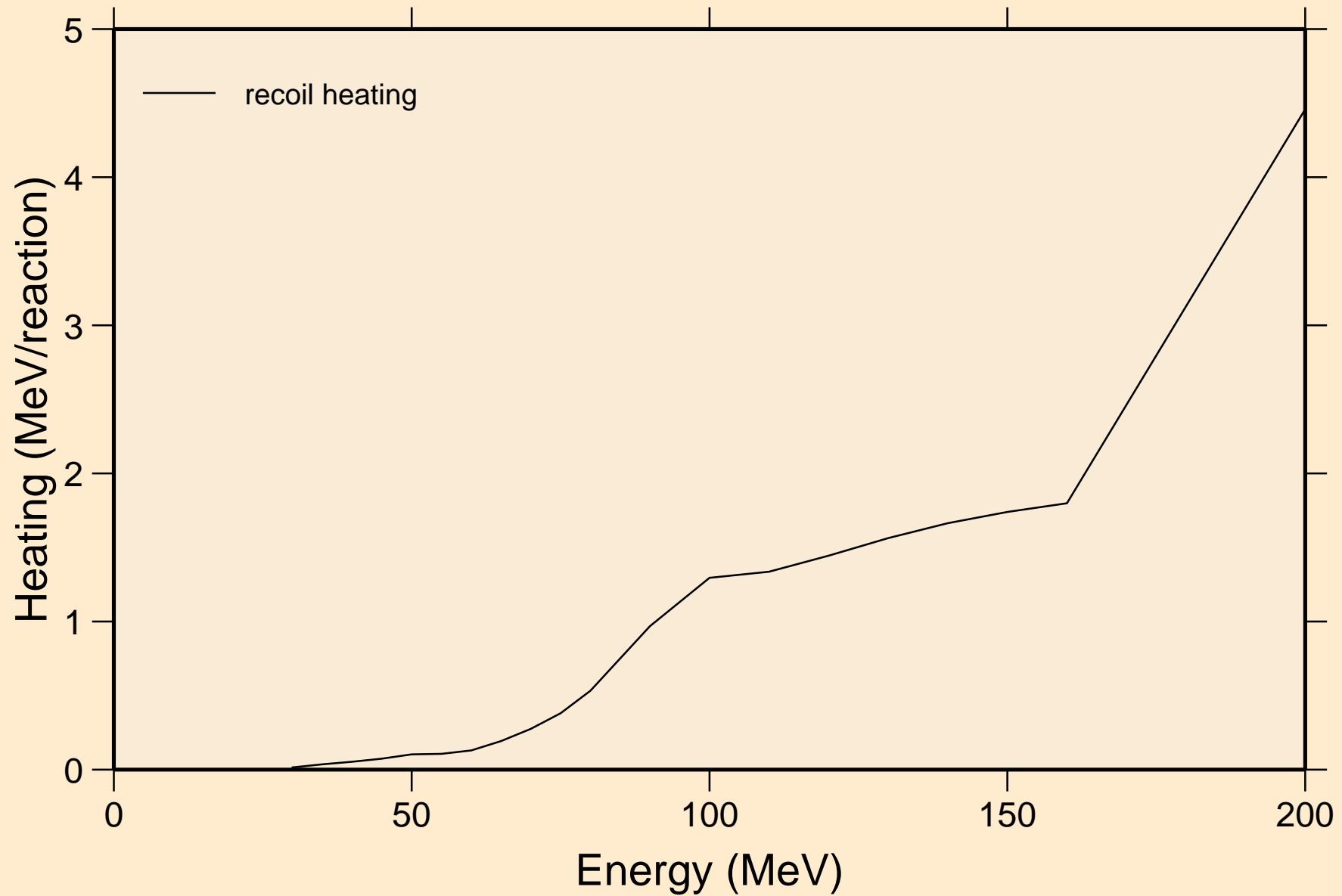
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

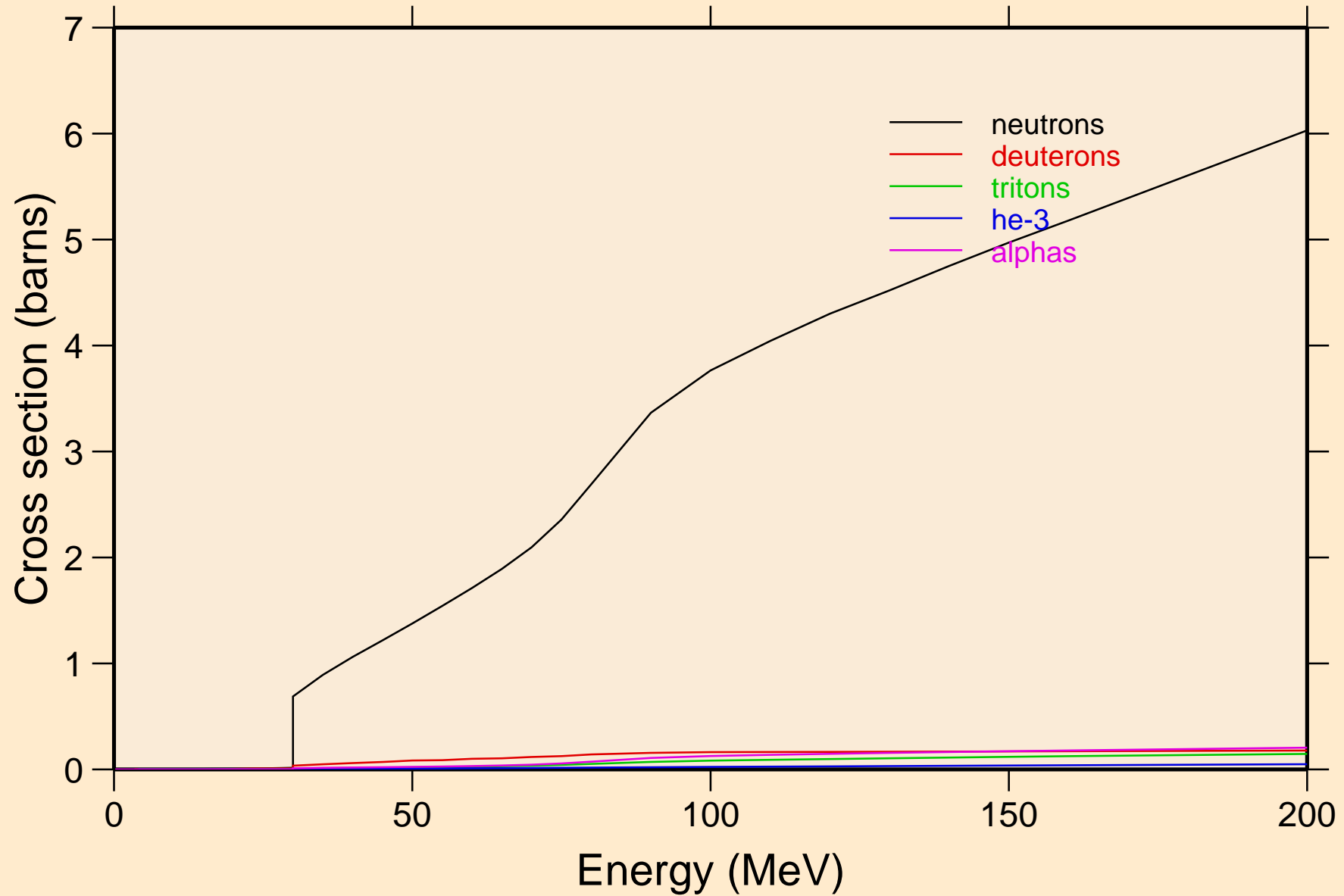


PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

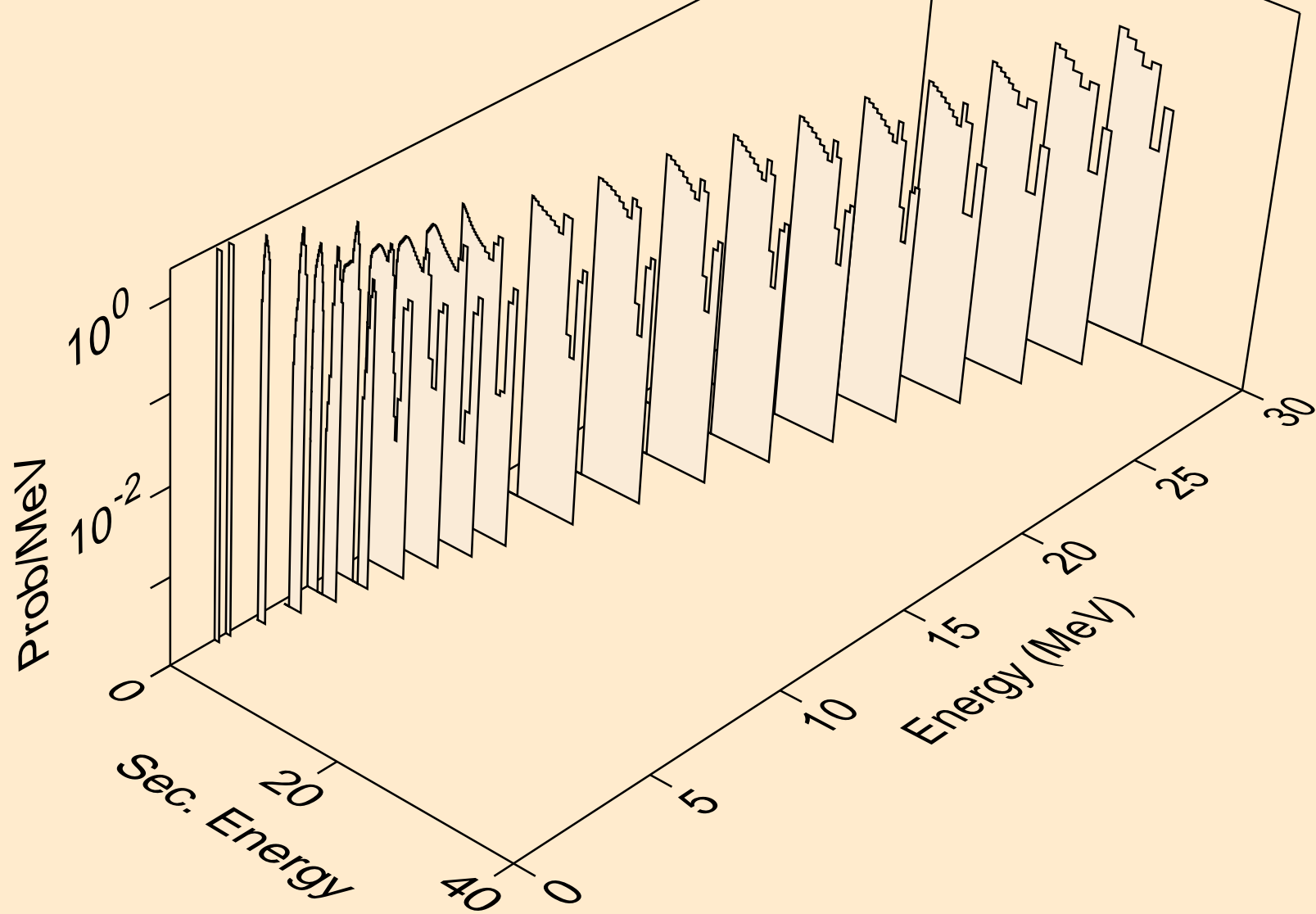


# PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

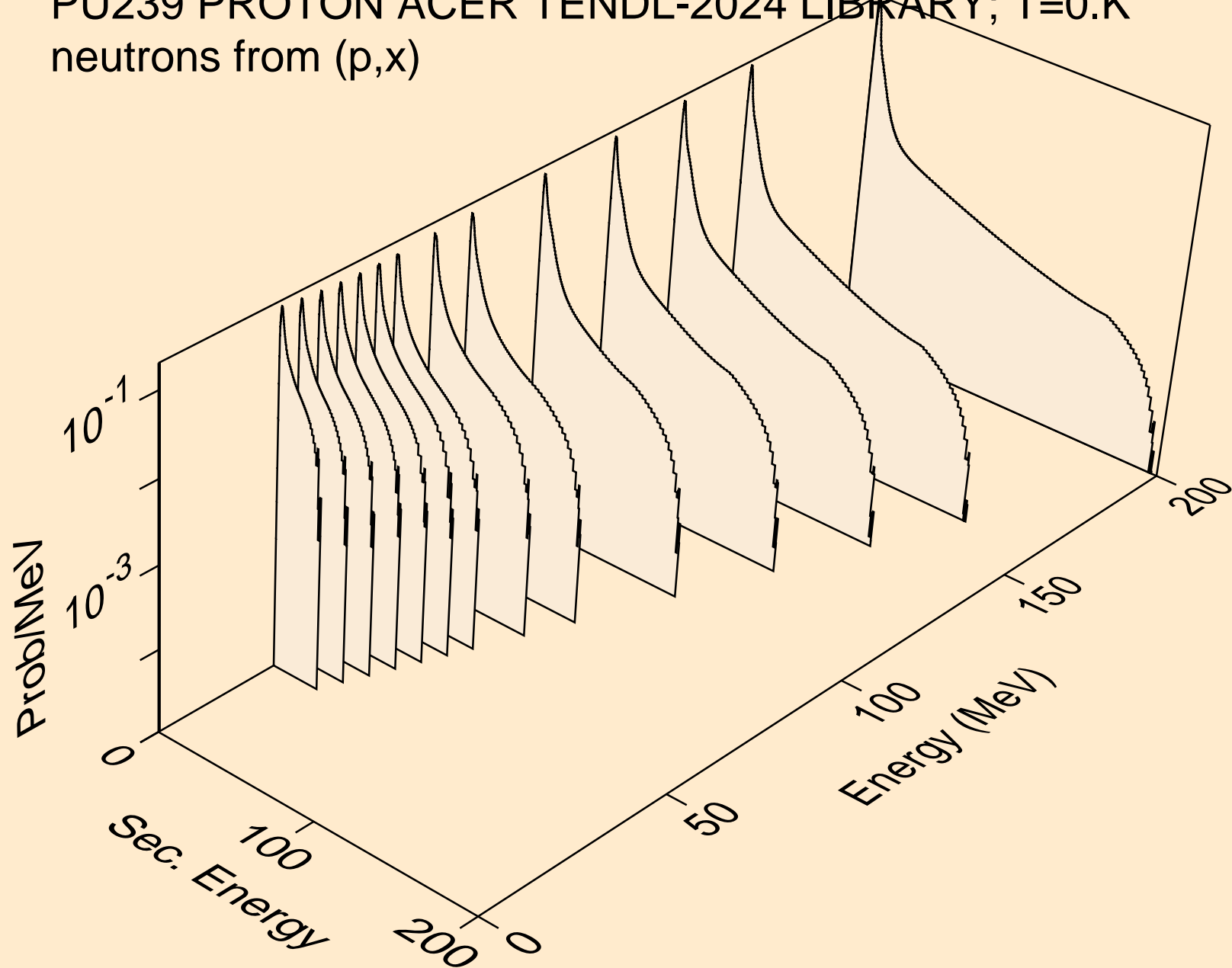
## Particle production cross sections



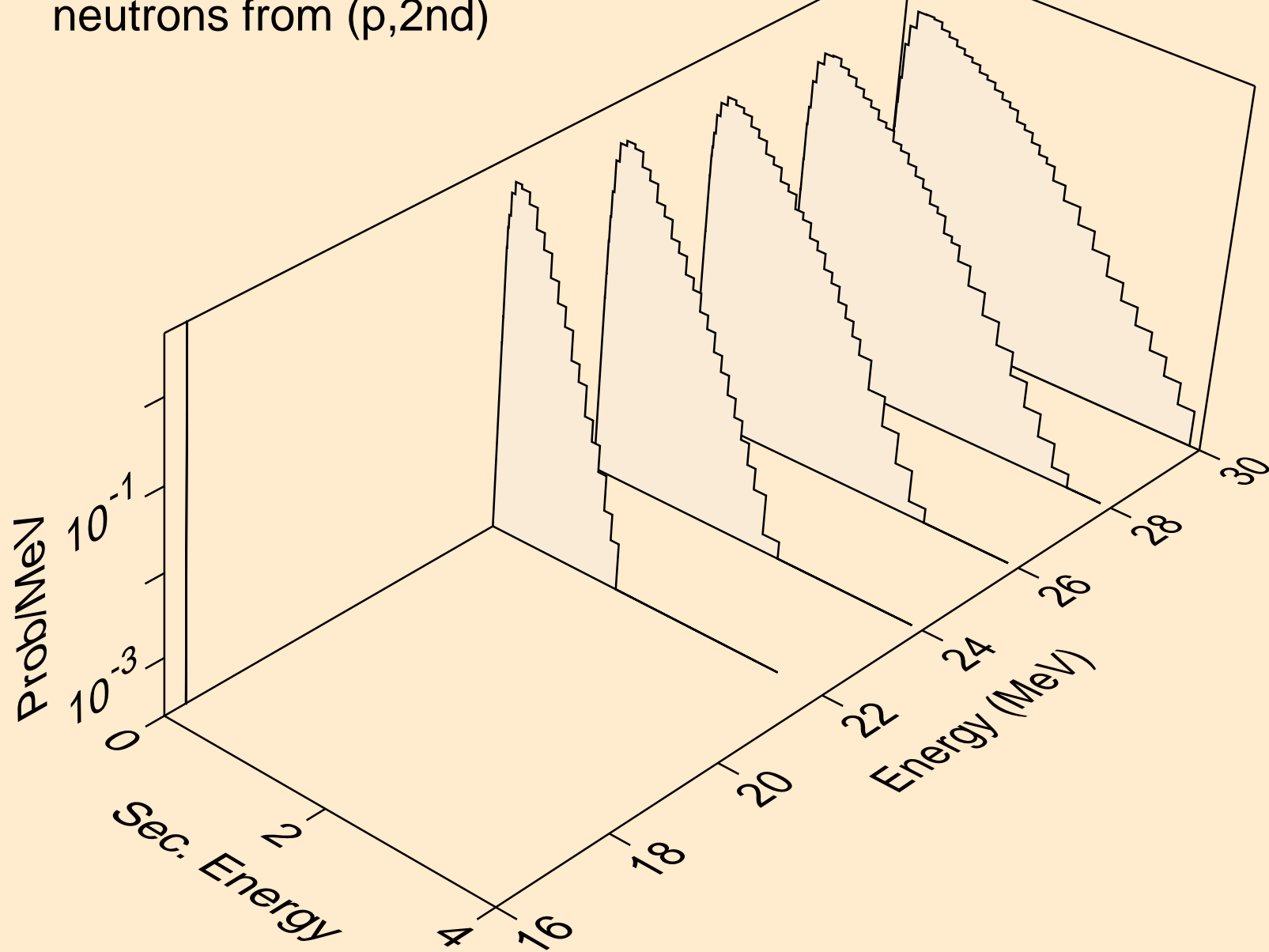
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



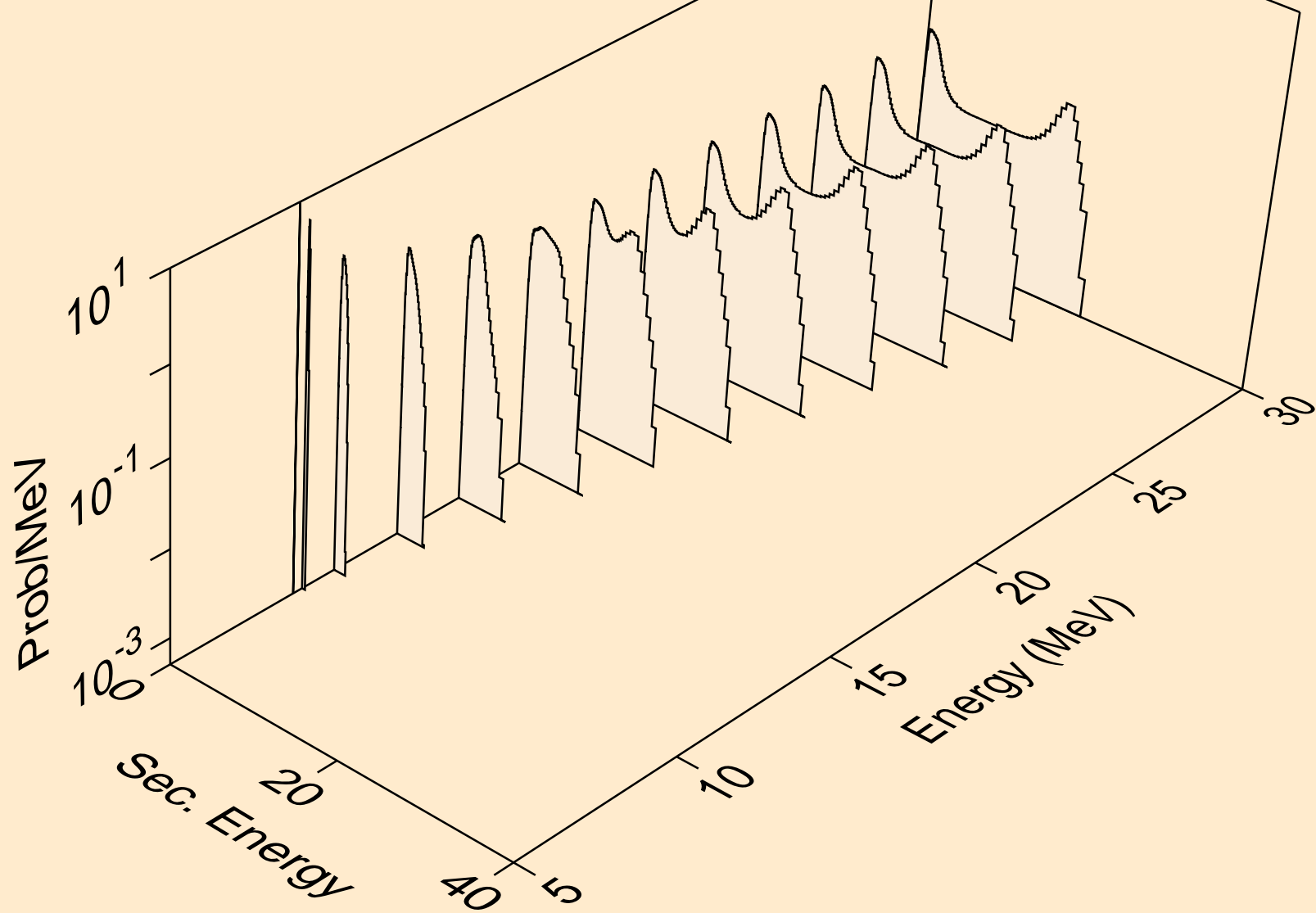
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



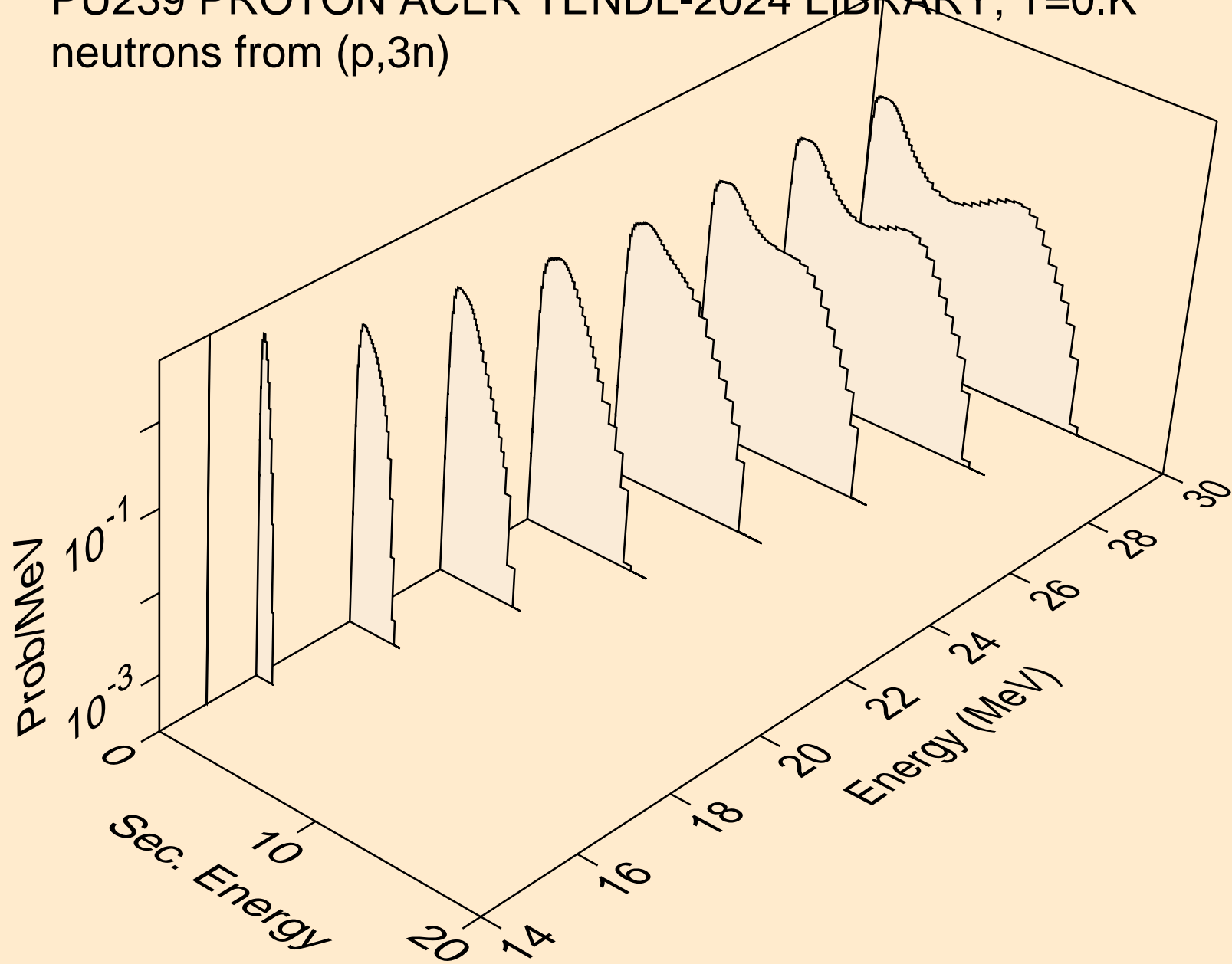
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2nd)



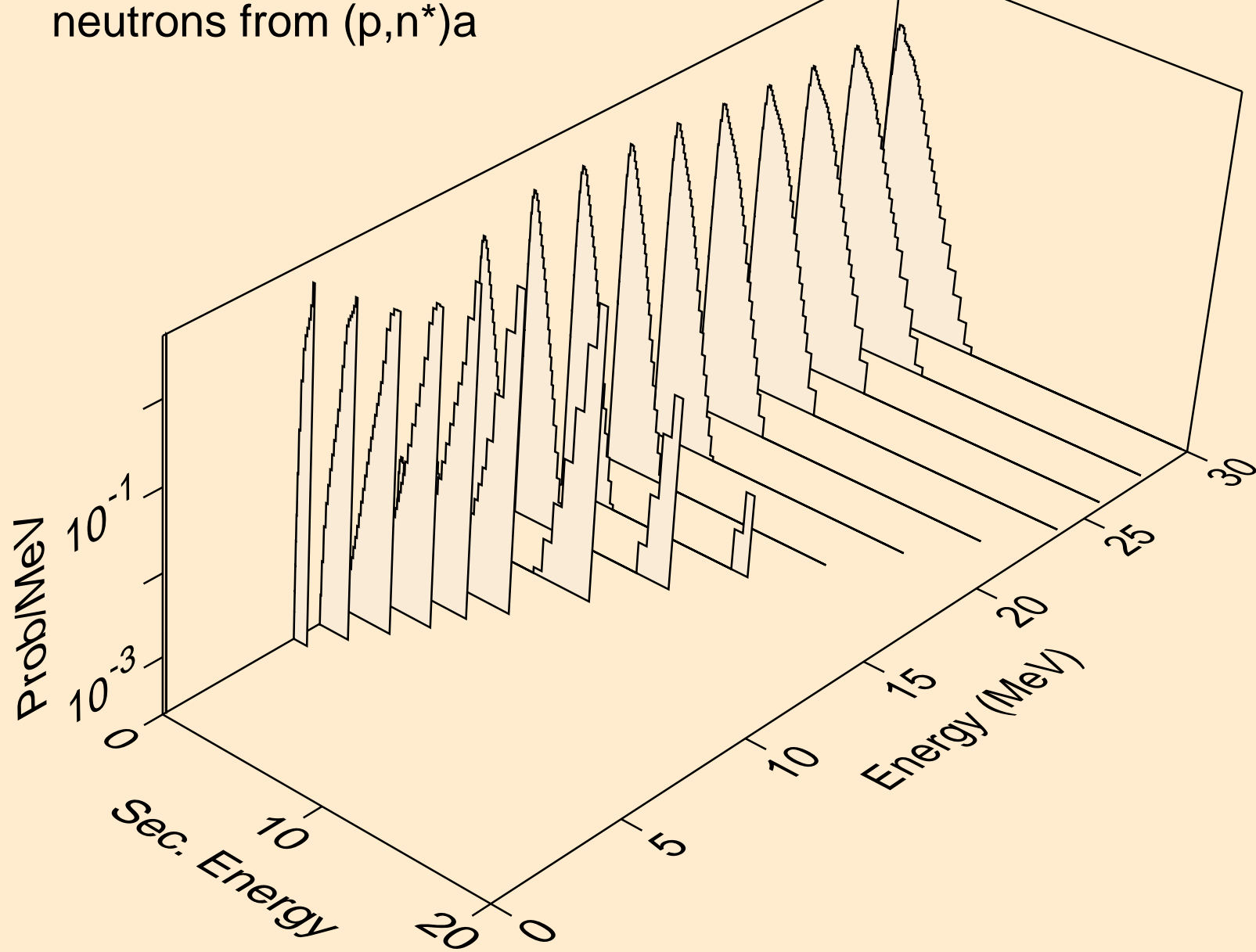
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neutrons from (p,2n)



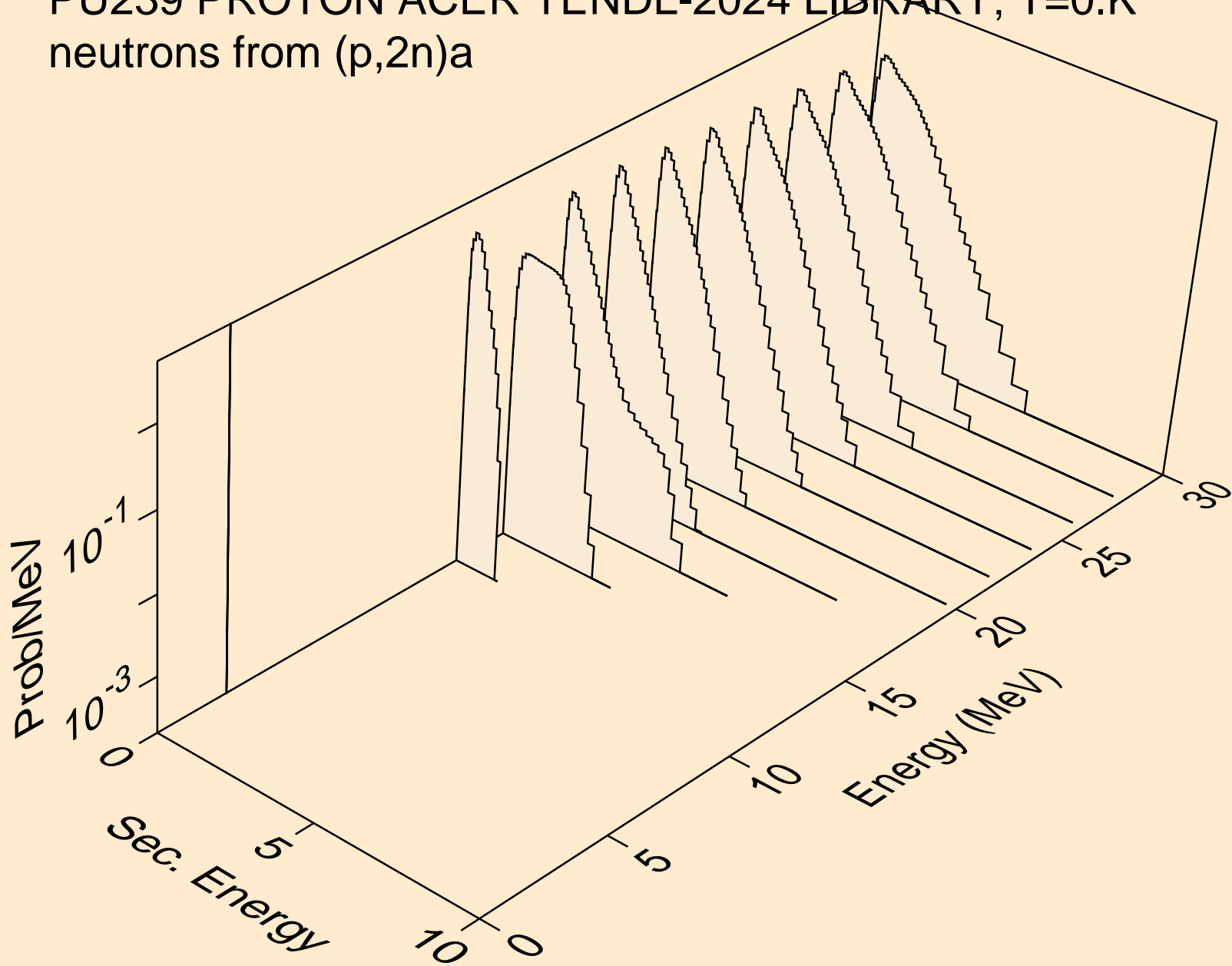
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



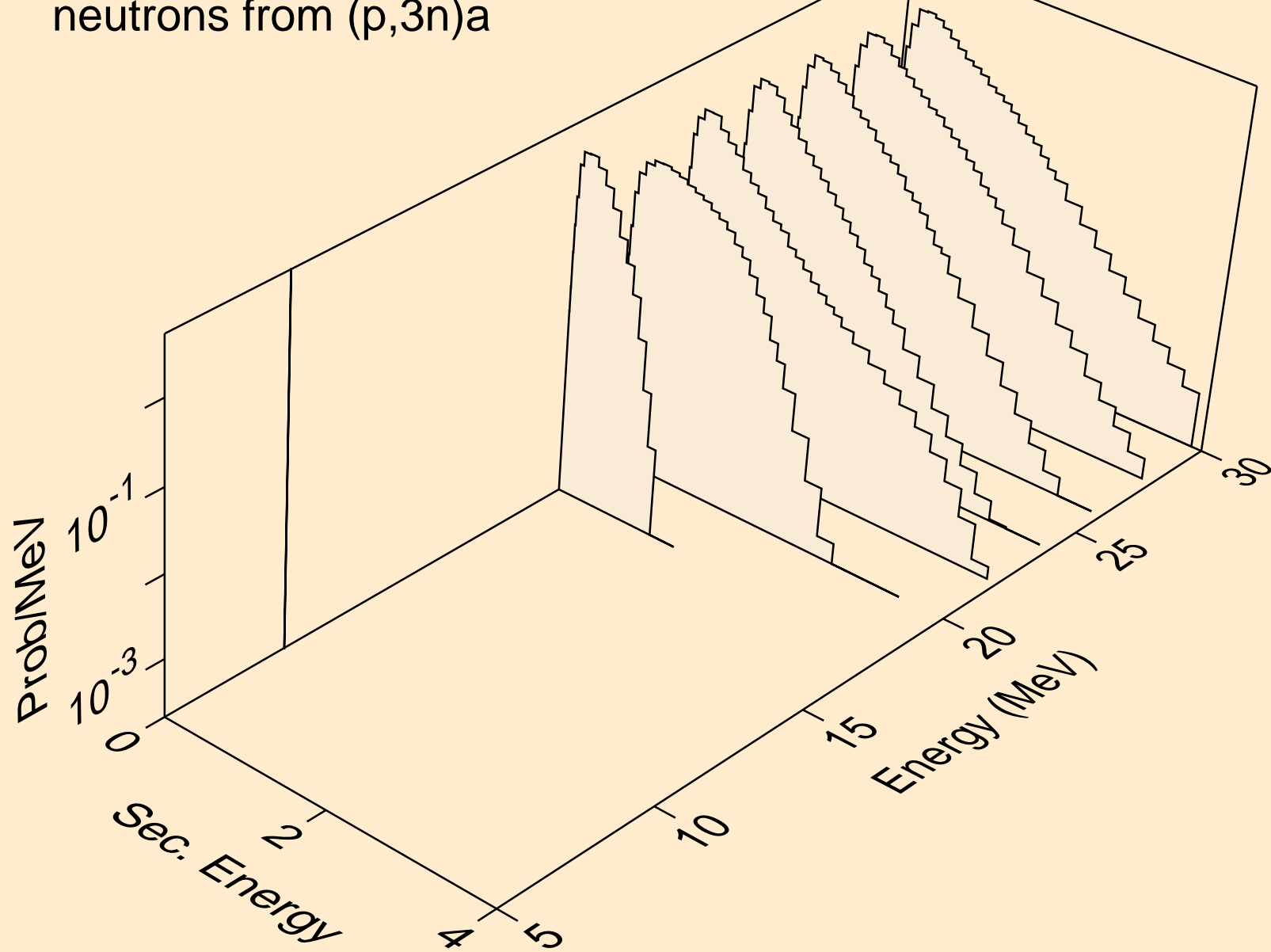
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



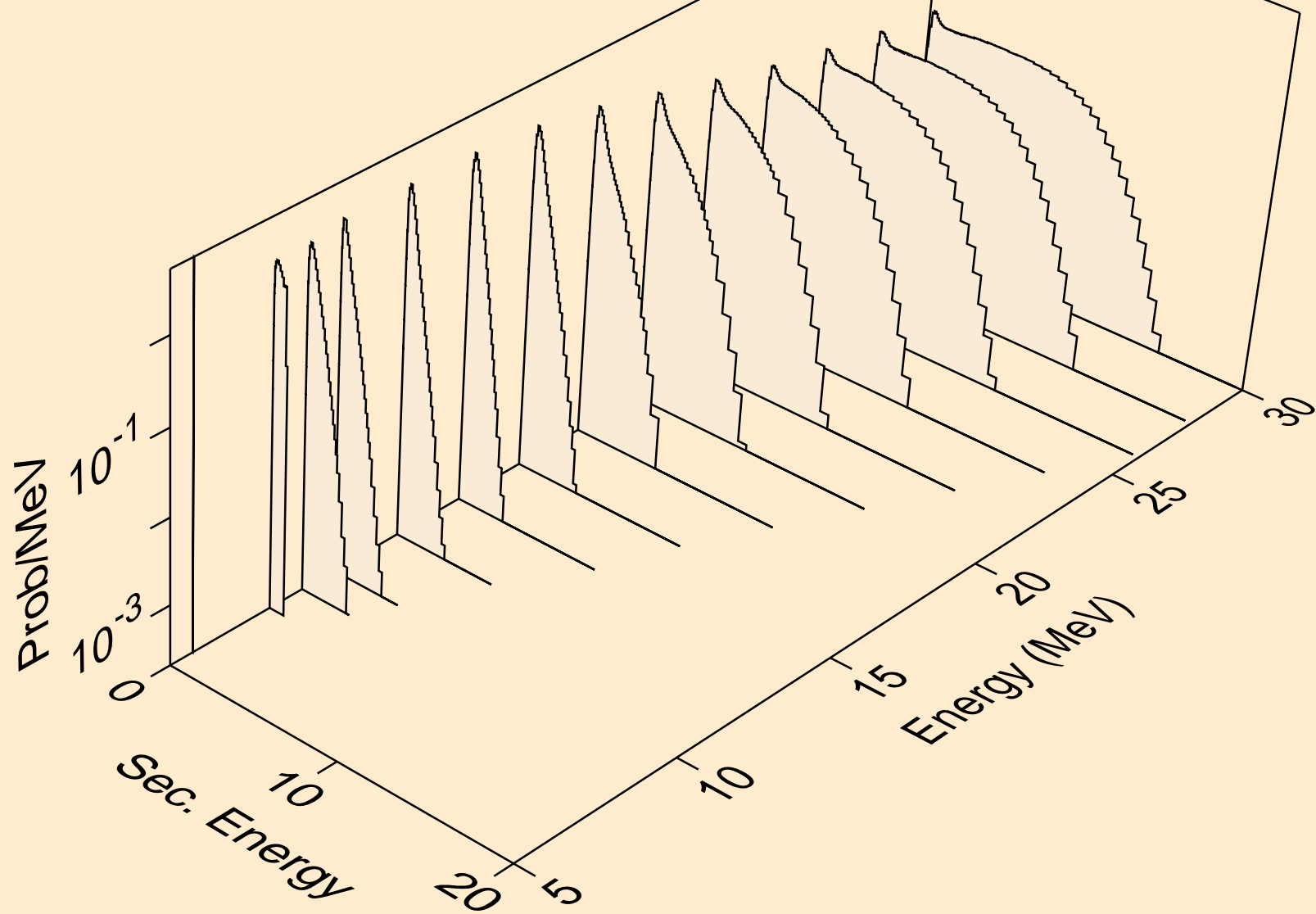
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neutrons from (p,2n)a



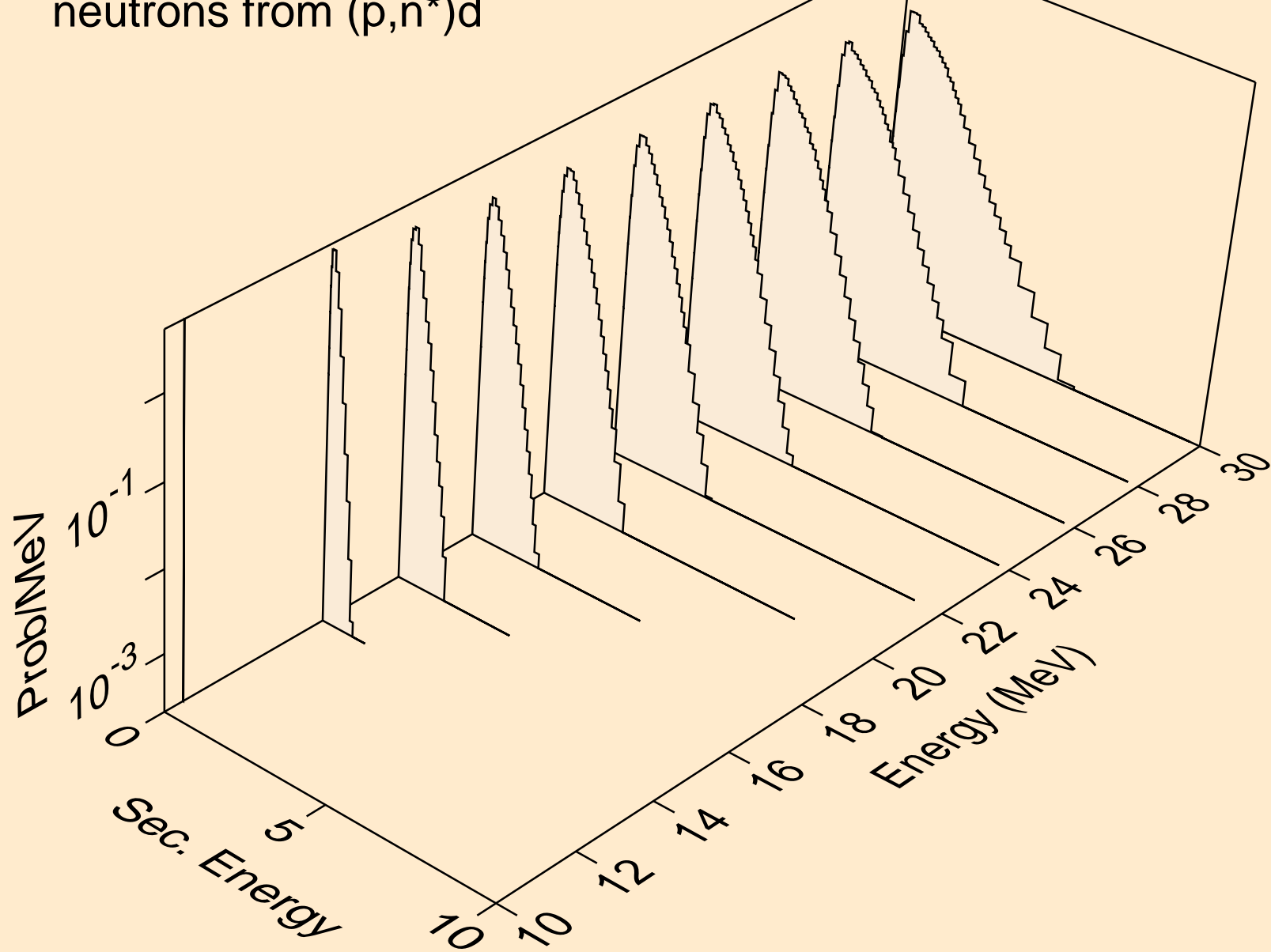
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neutrons from (p,3n)a



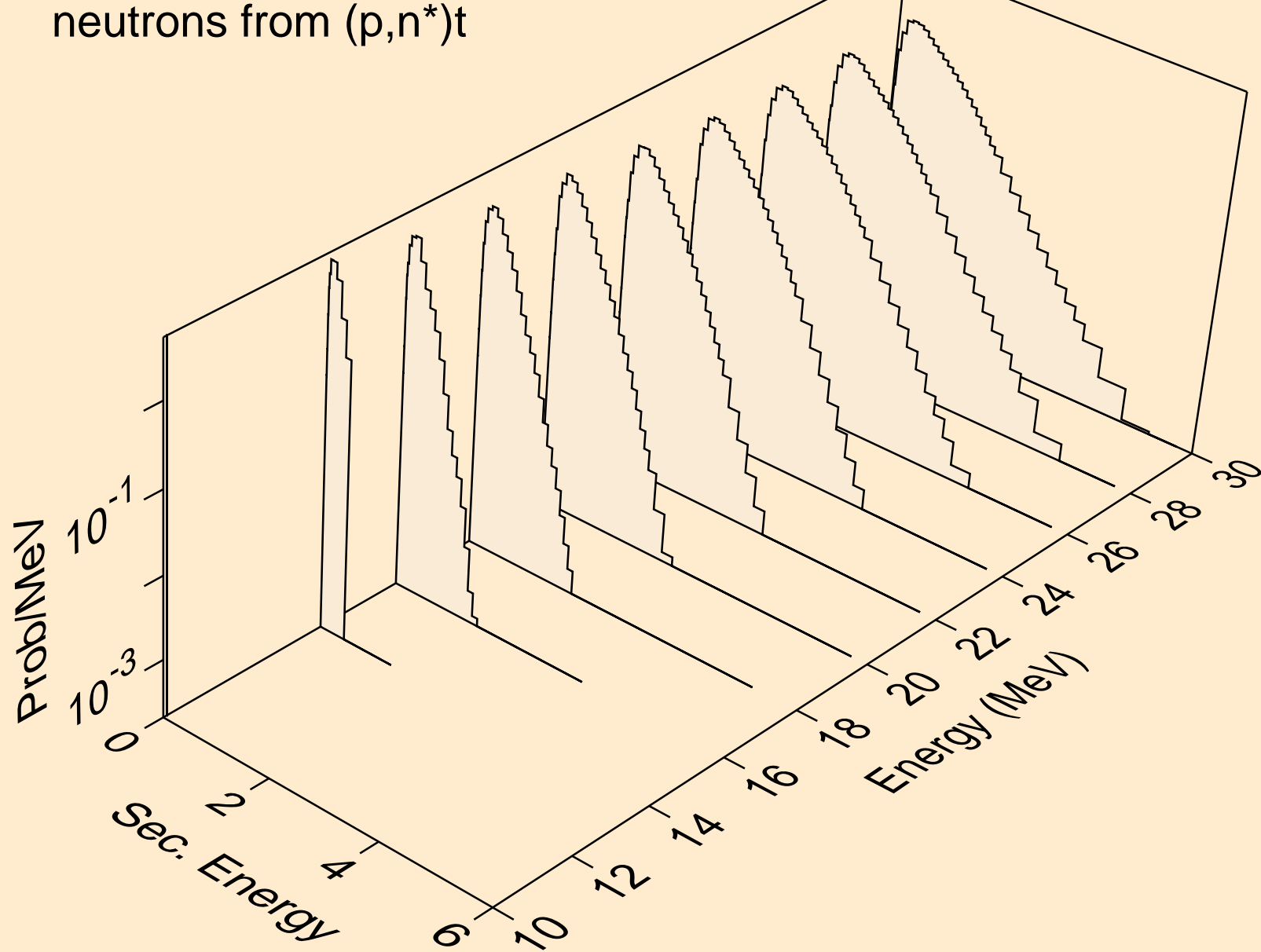
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



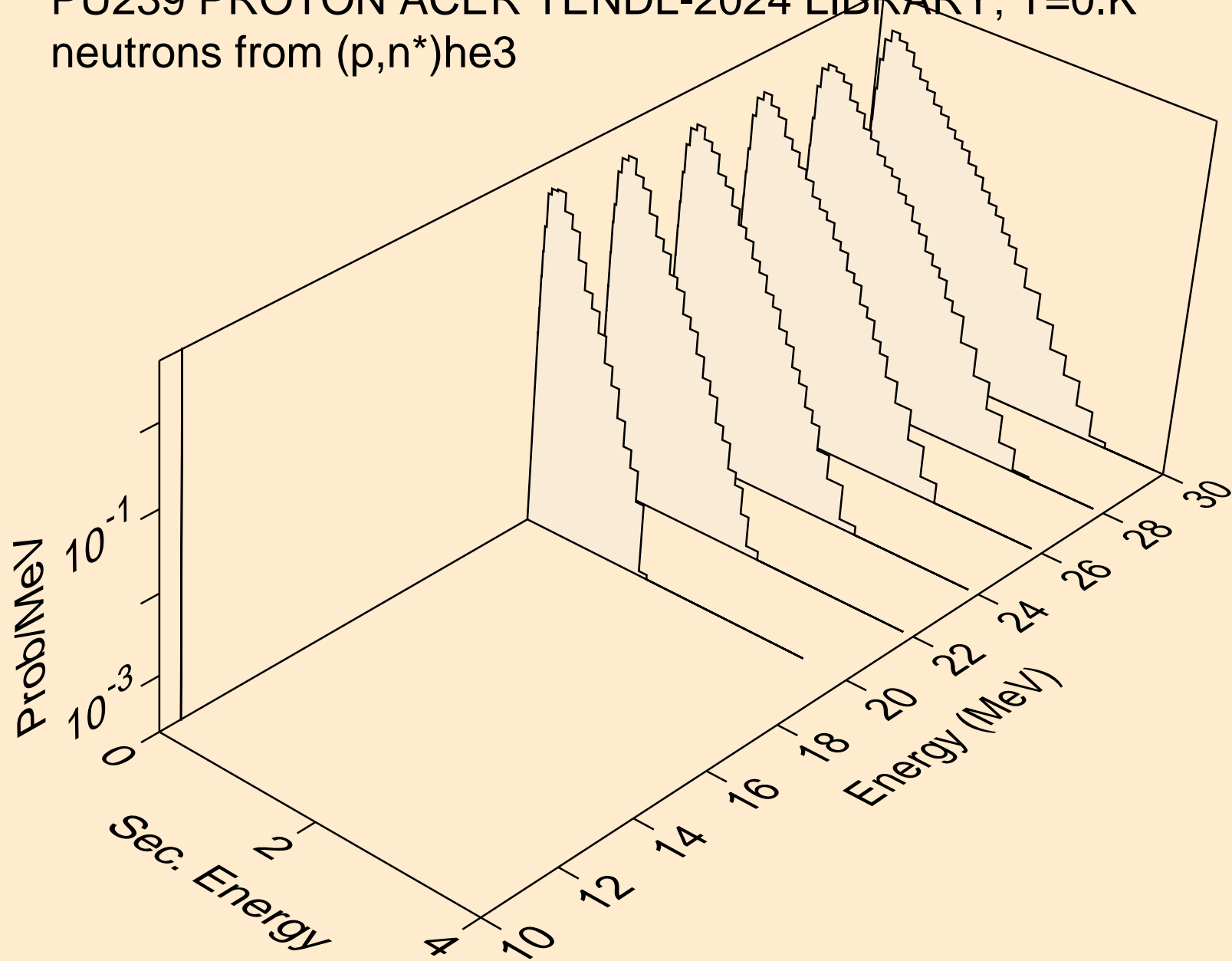
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



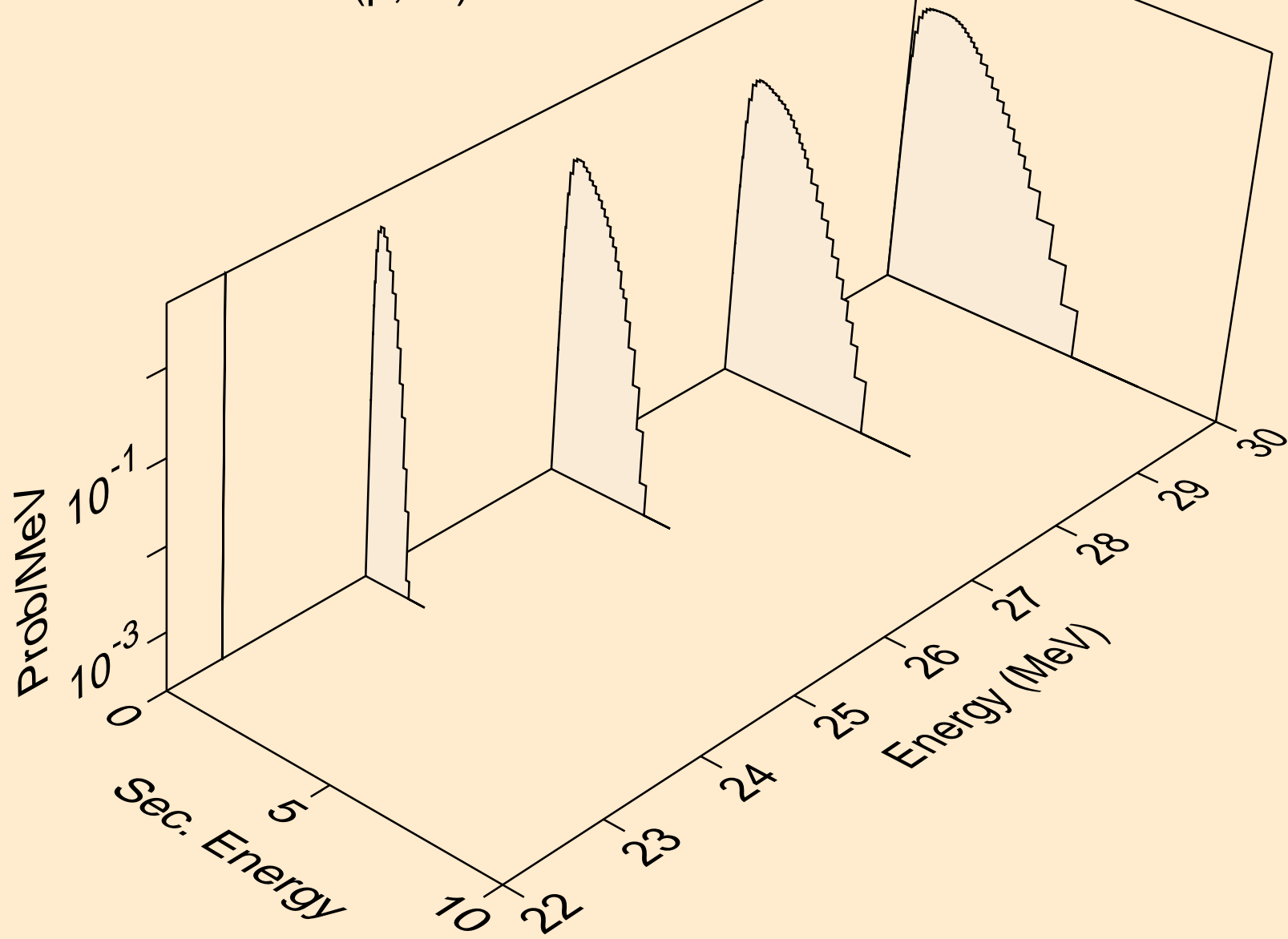
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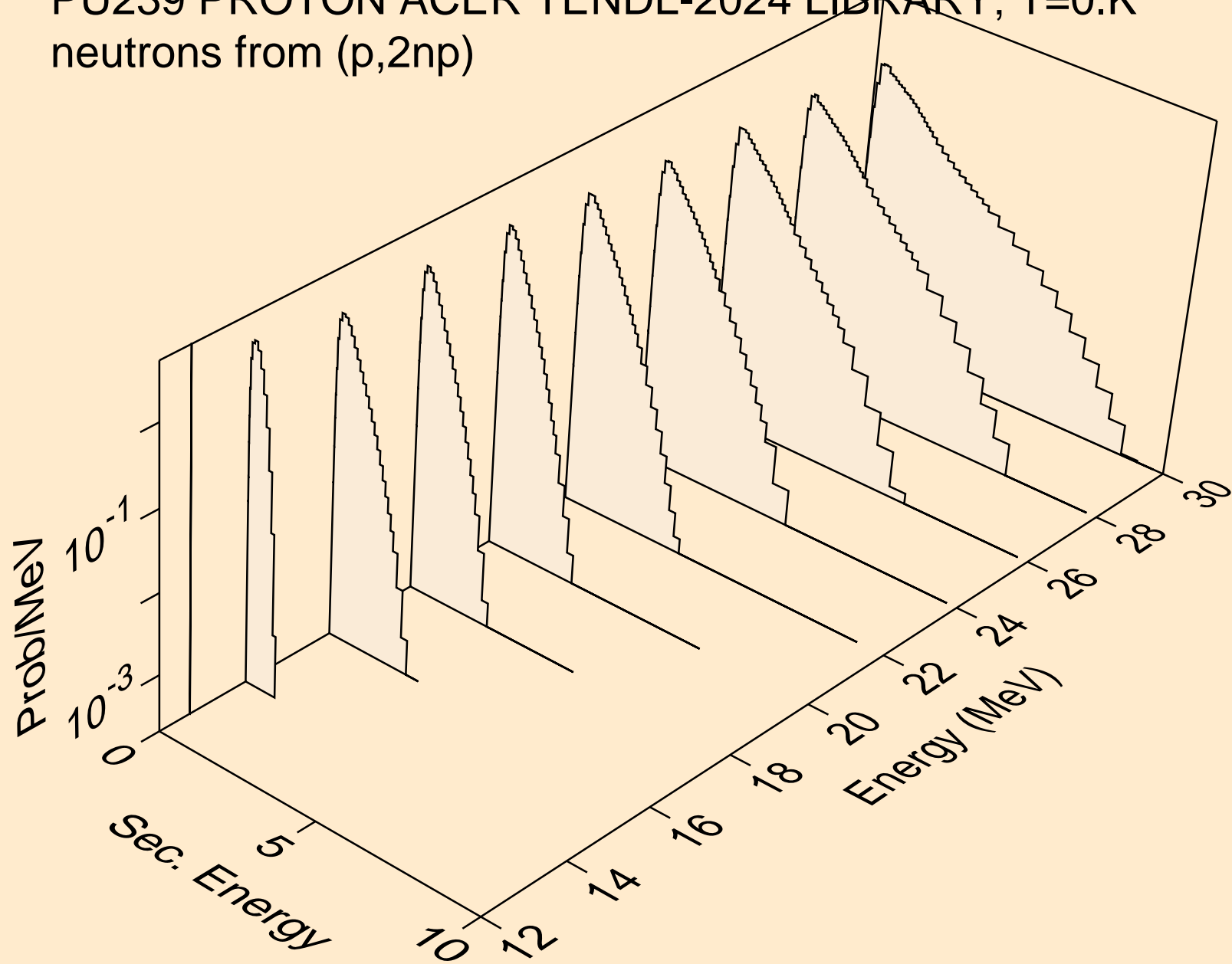
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



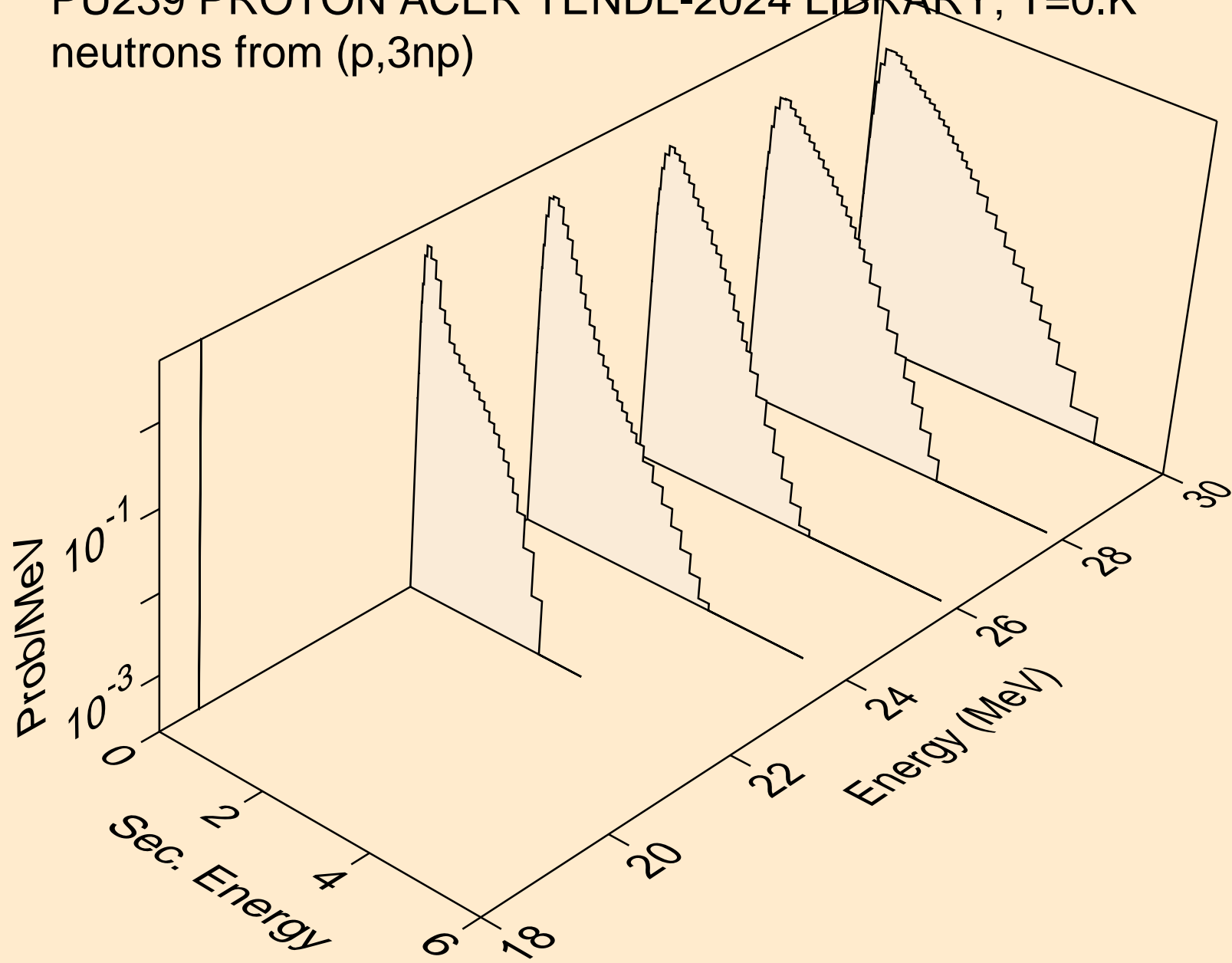
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,4n)



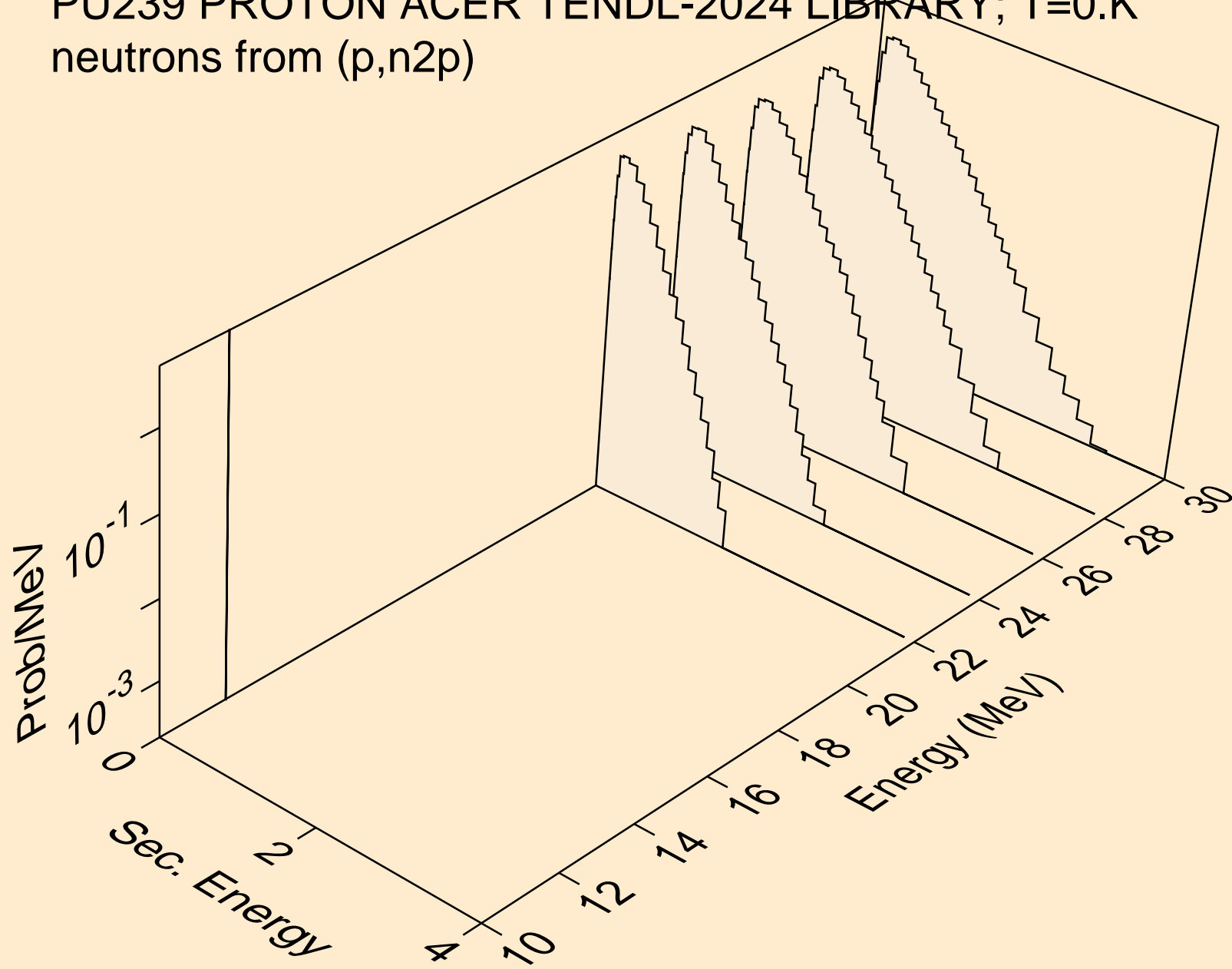
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neutrons from (p,2np)



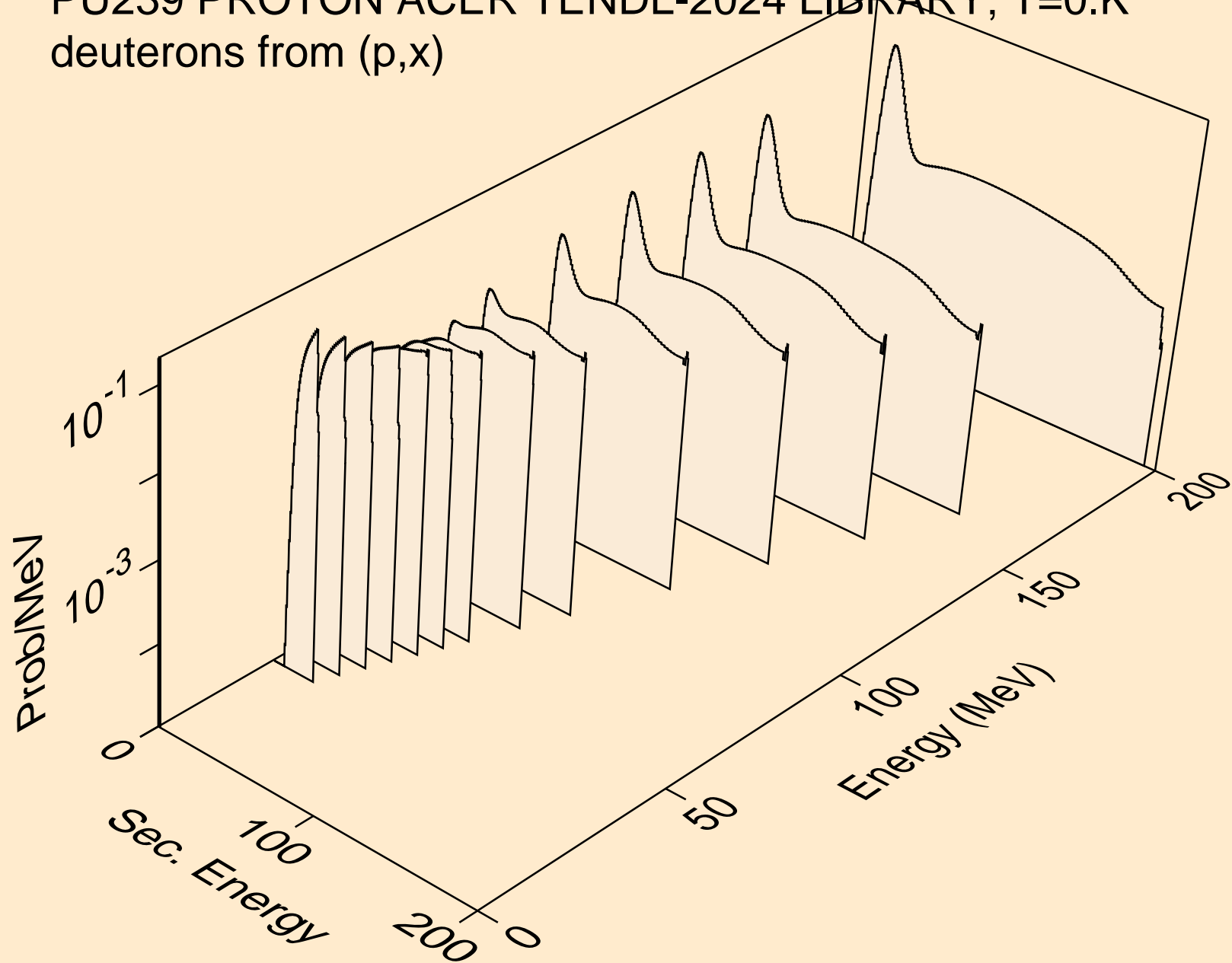
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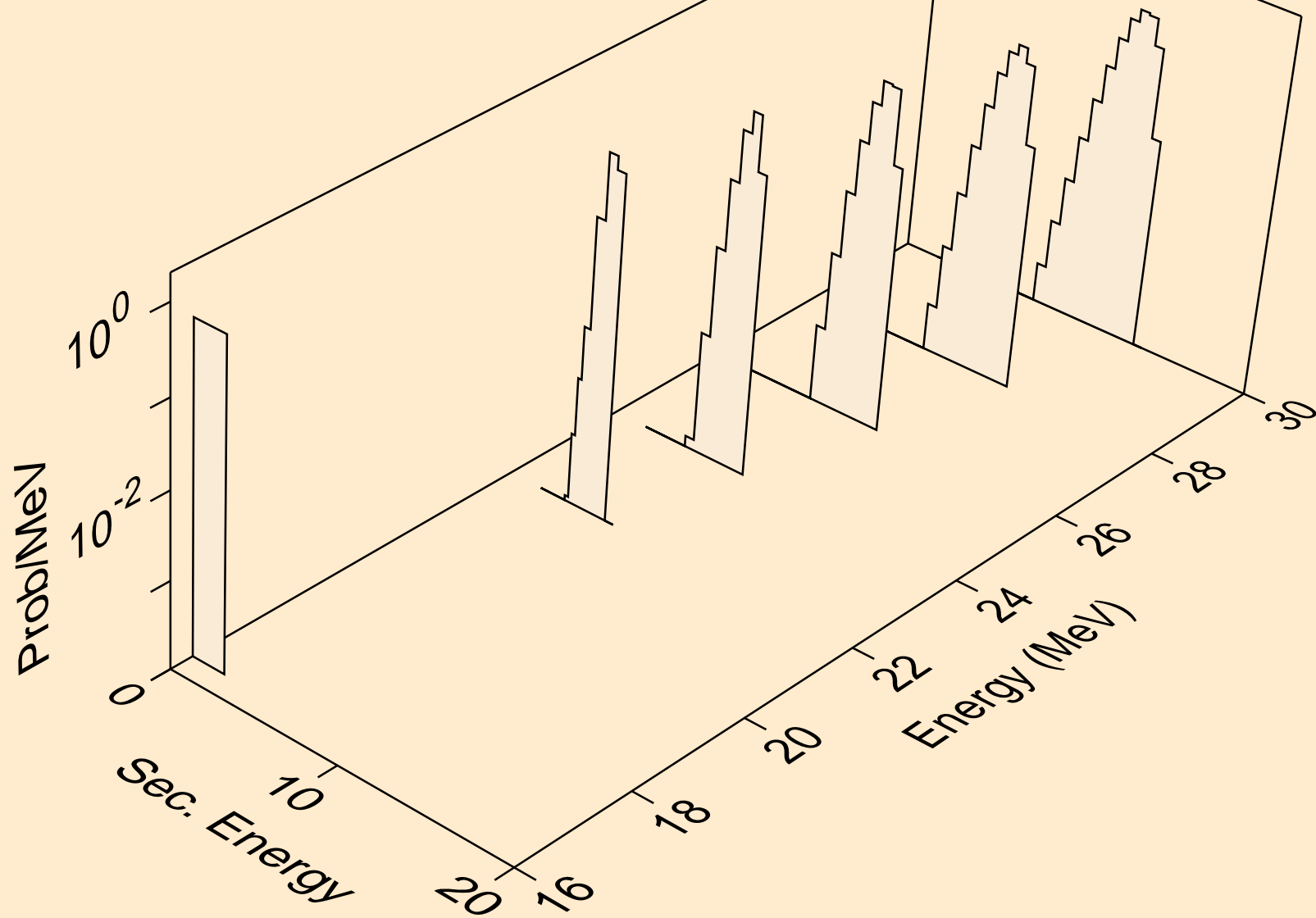
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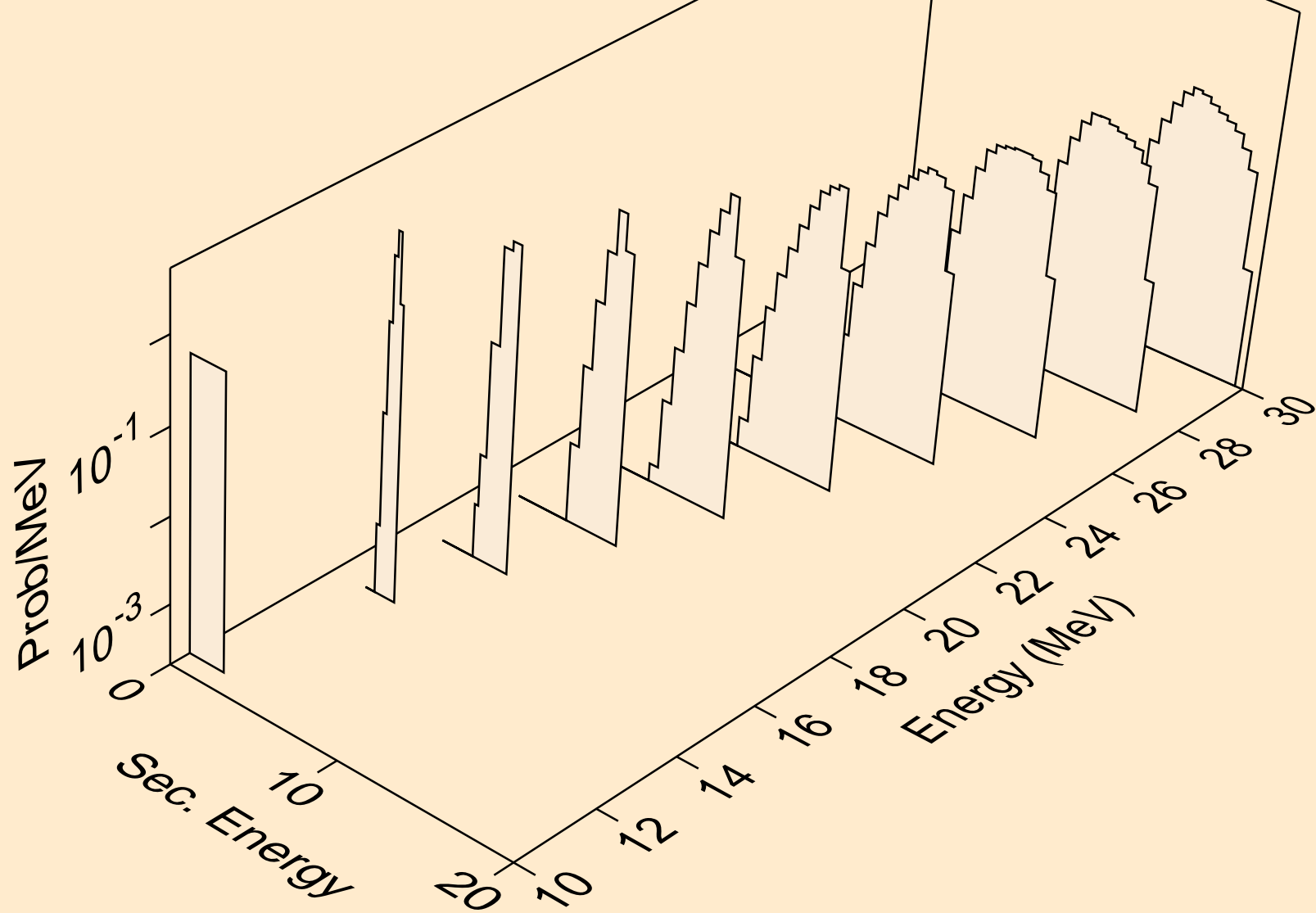
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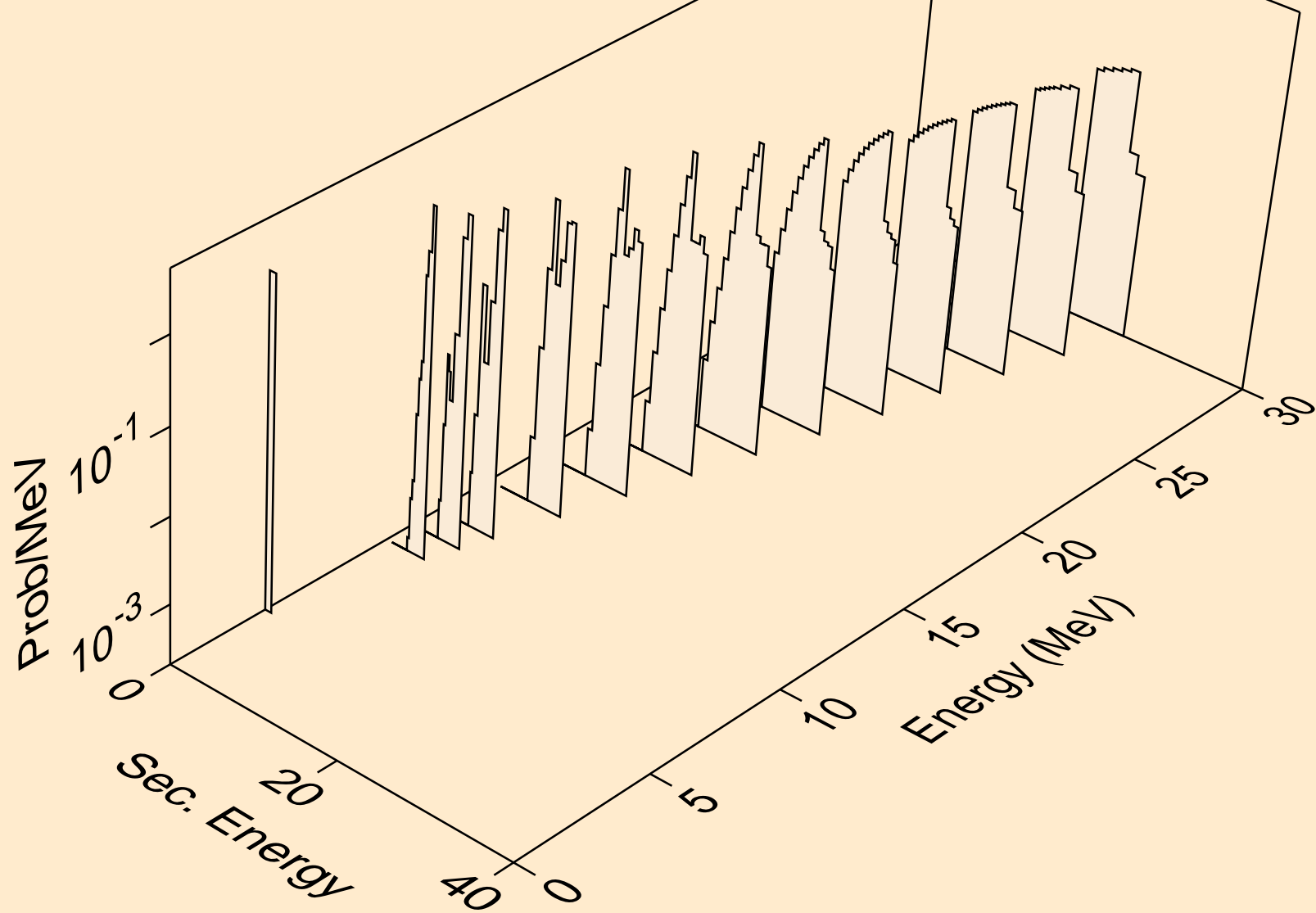
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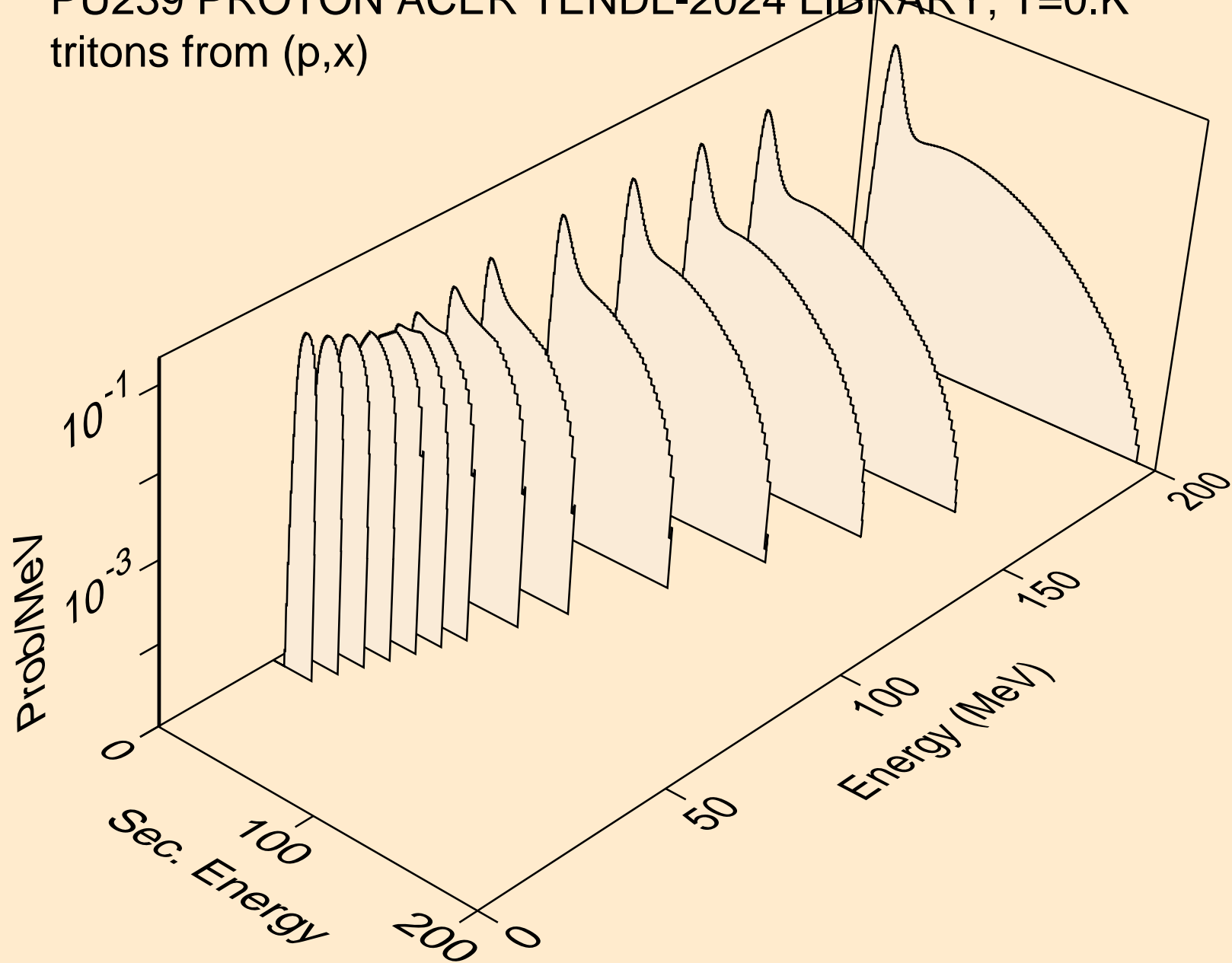
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deuterons from (p,n\*)d



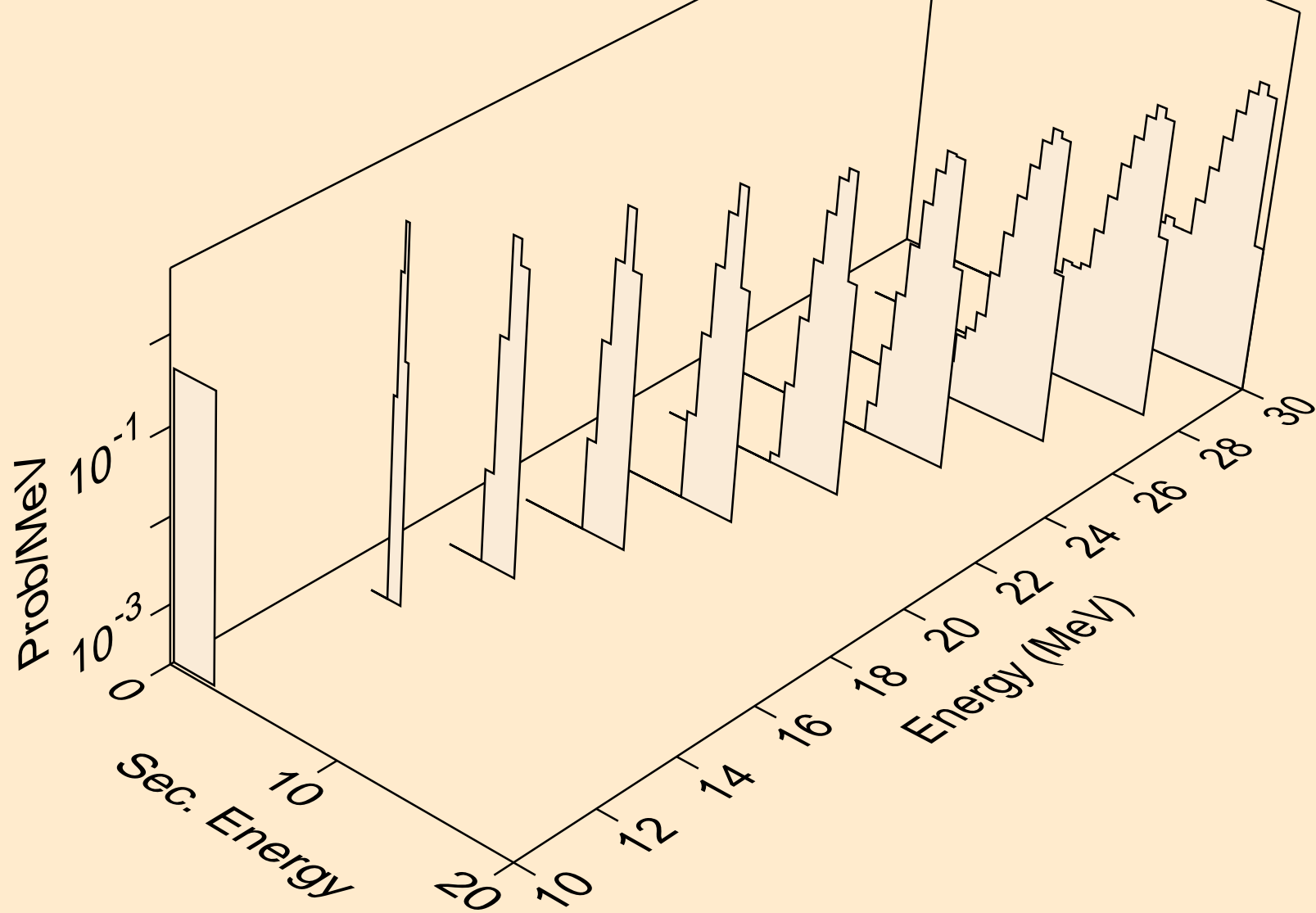
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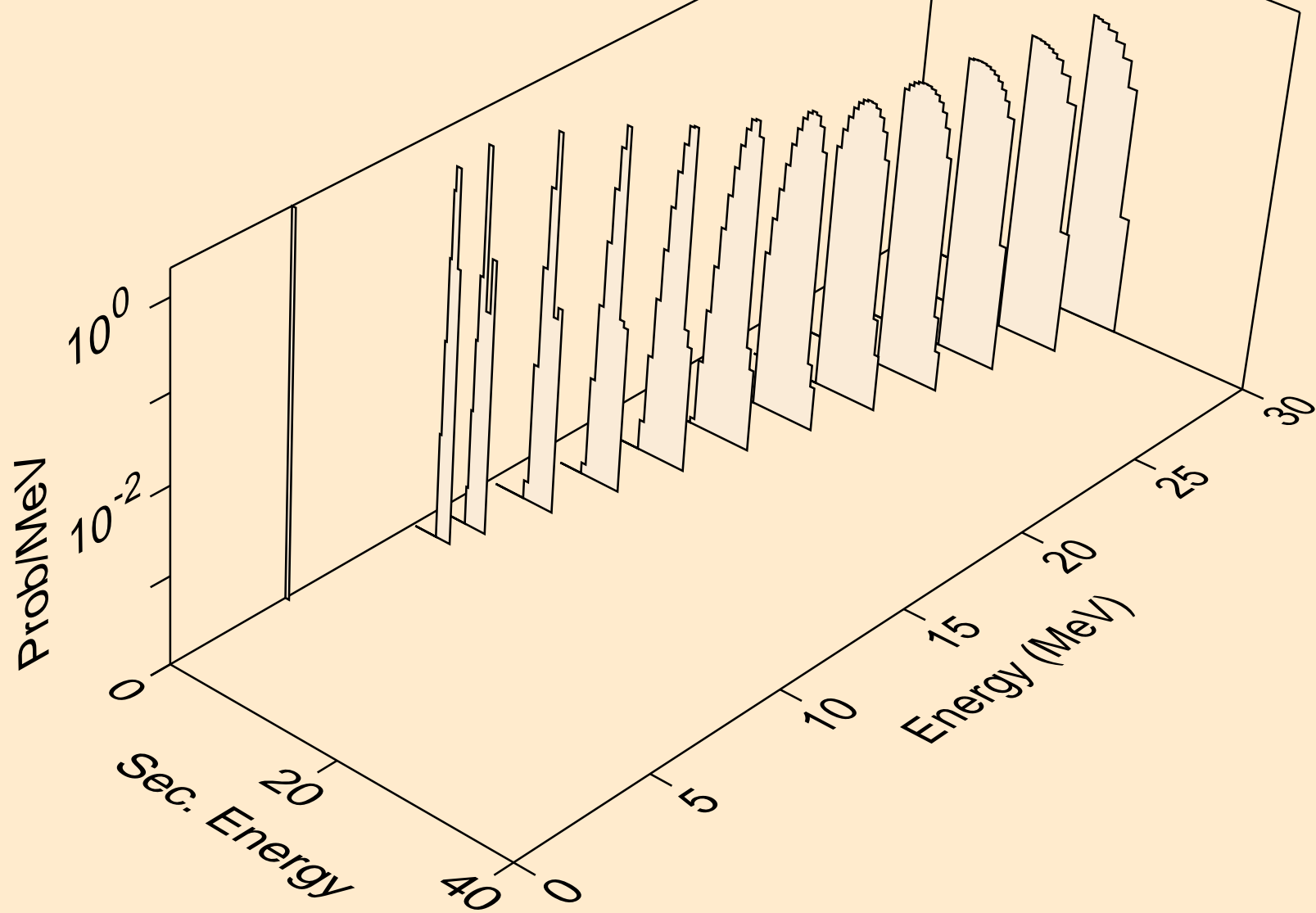
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tritons from (p,x)



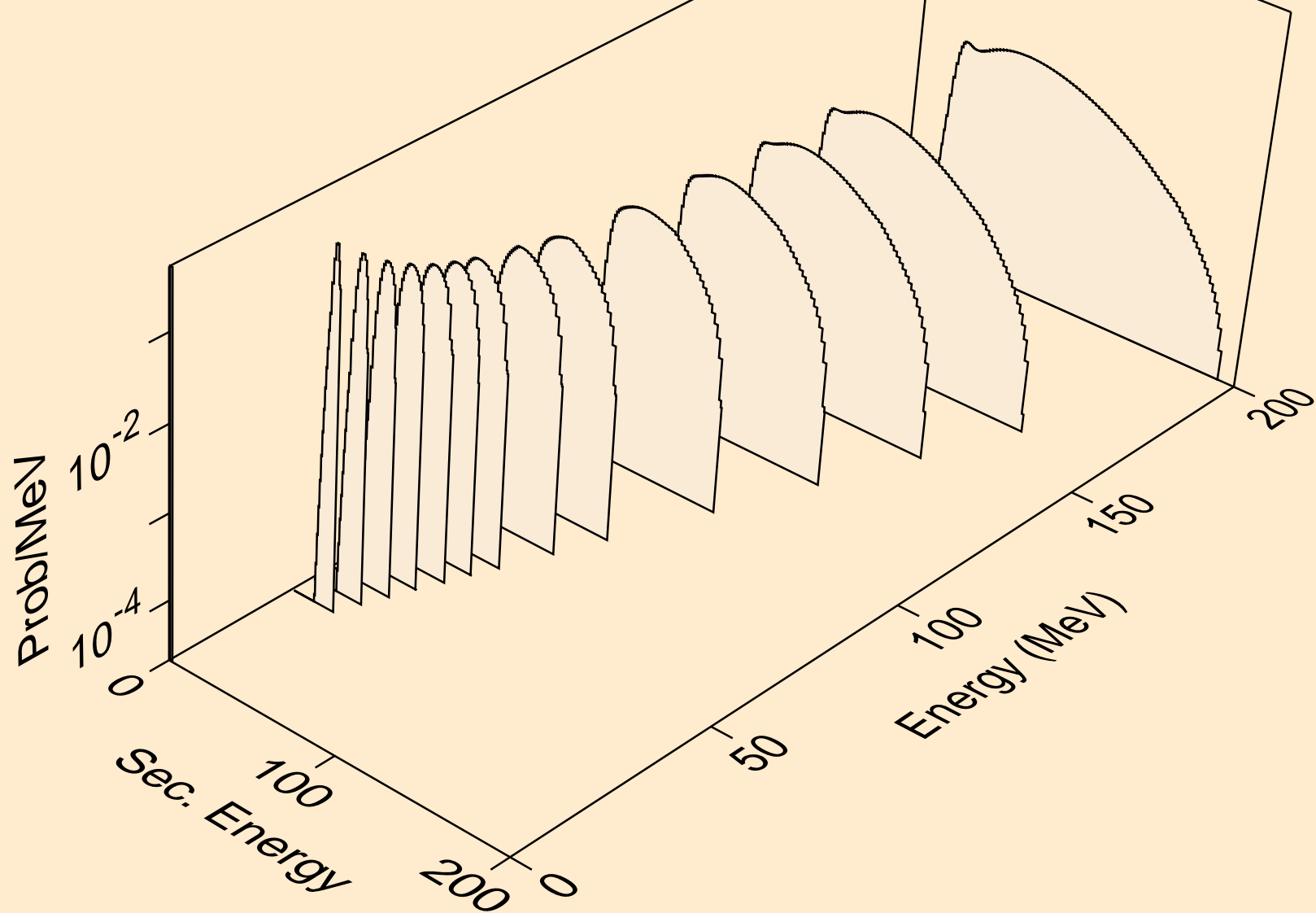
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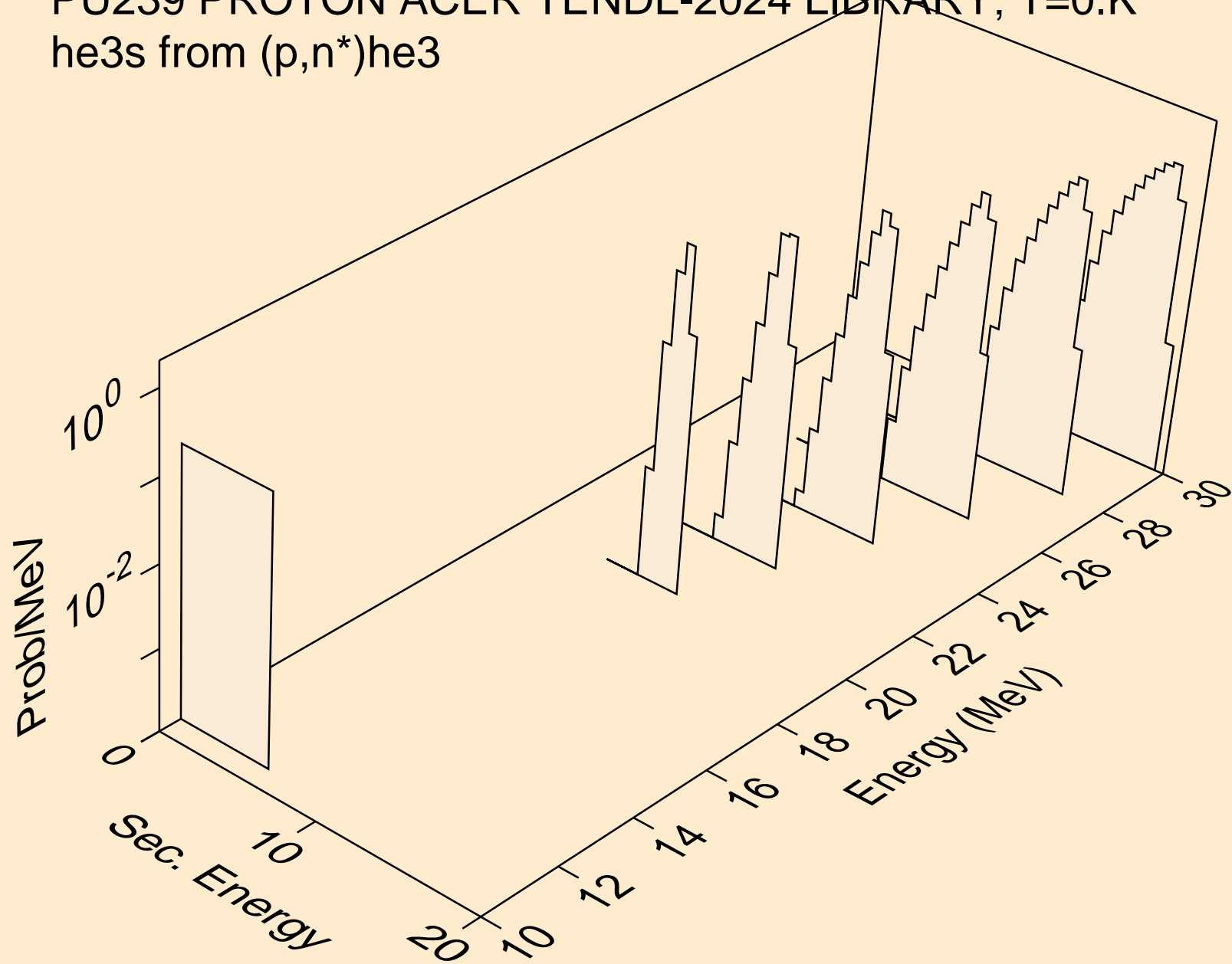
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



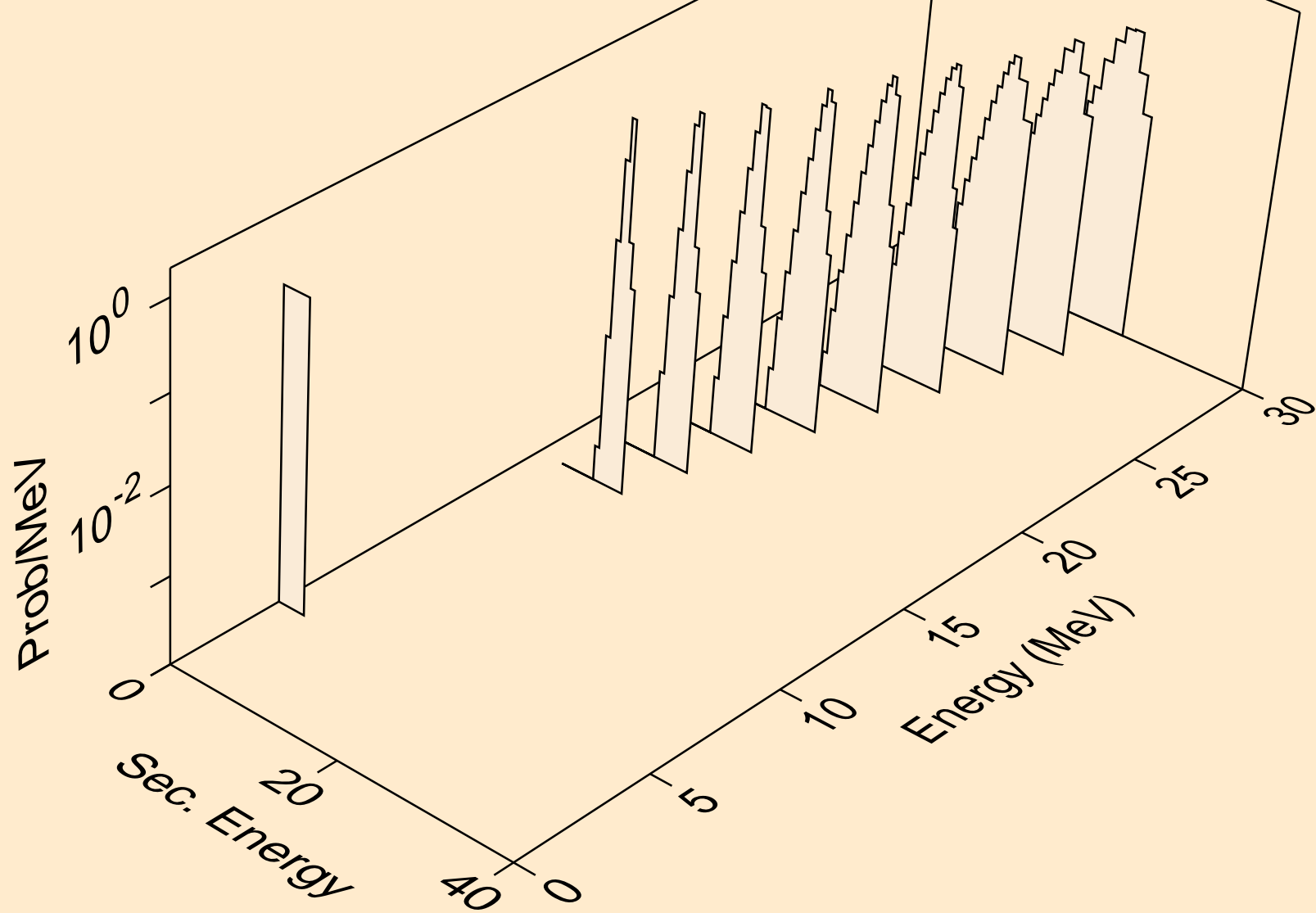
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



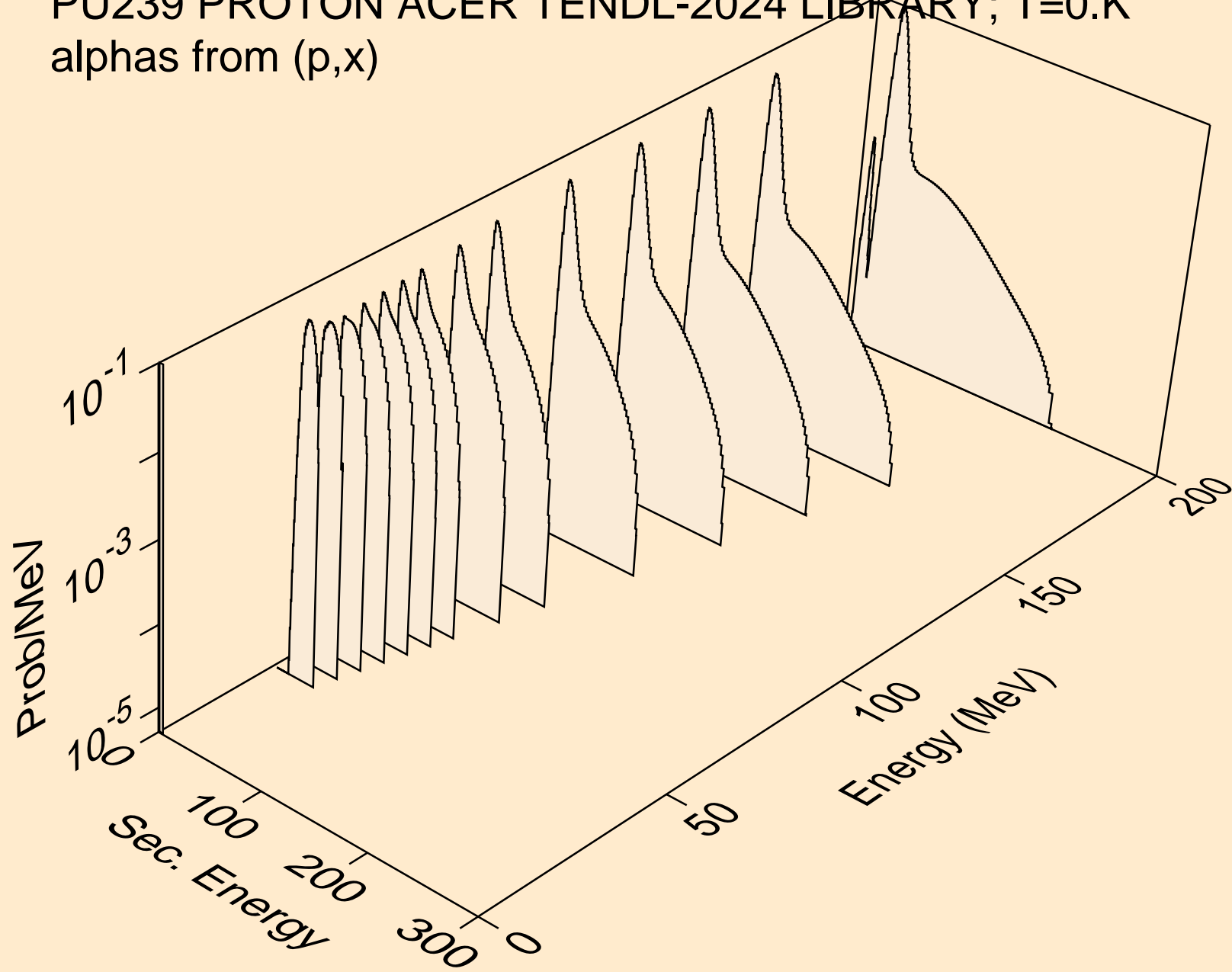
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



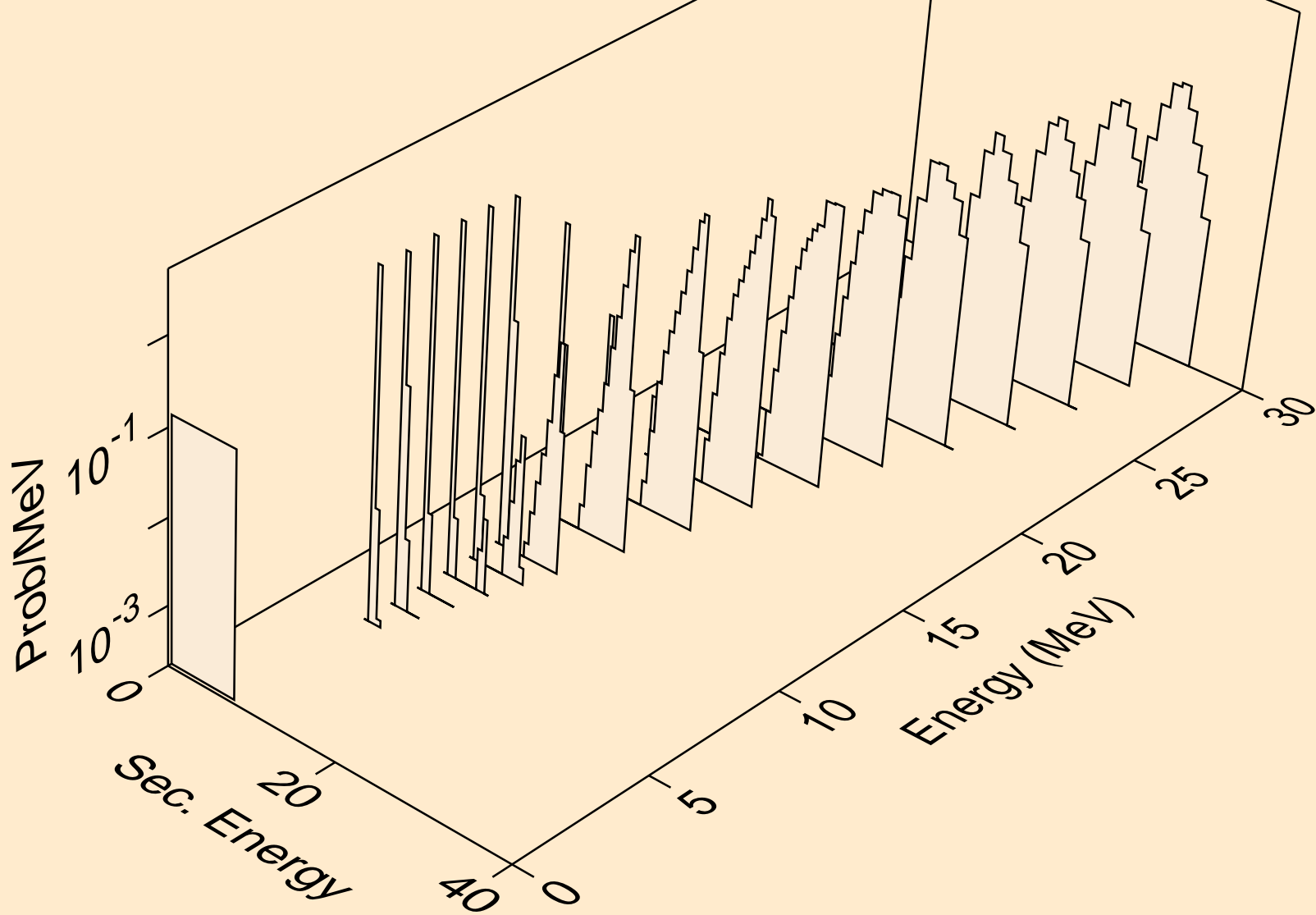
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



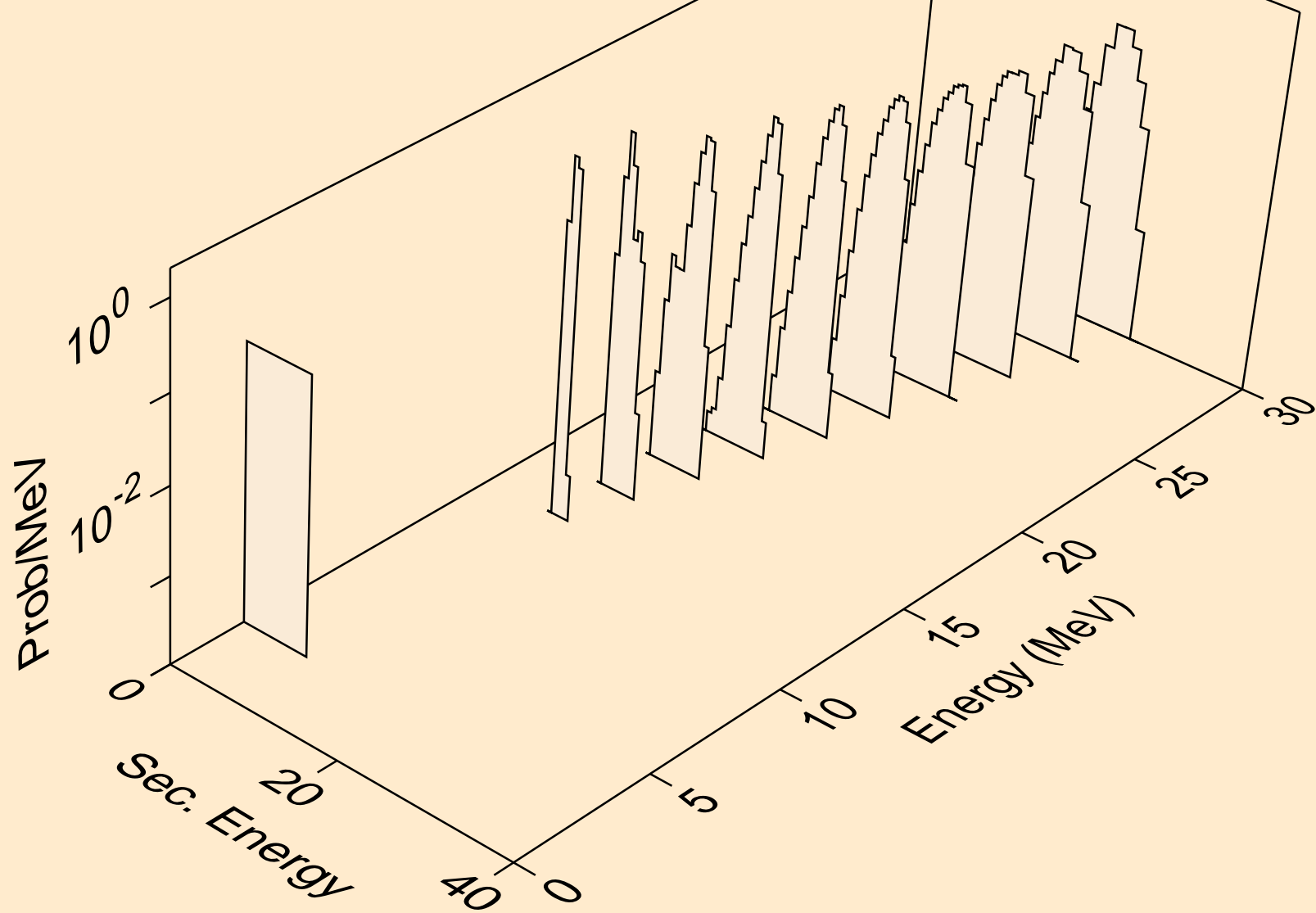
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



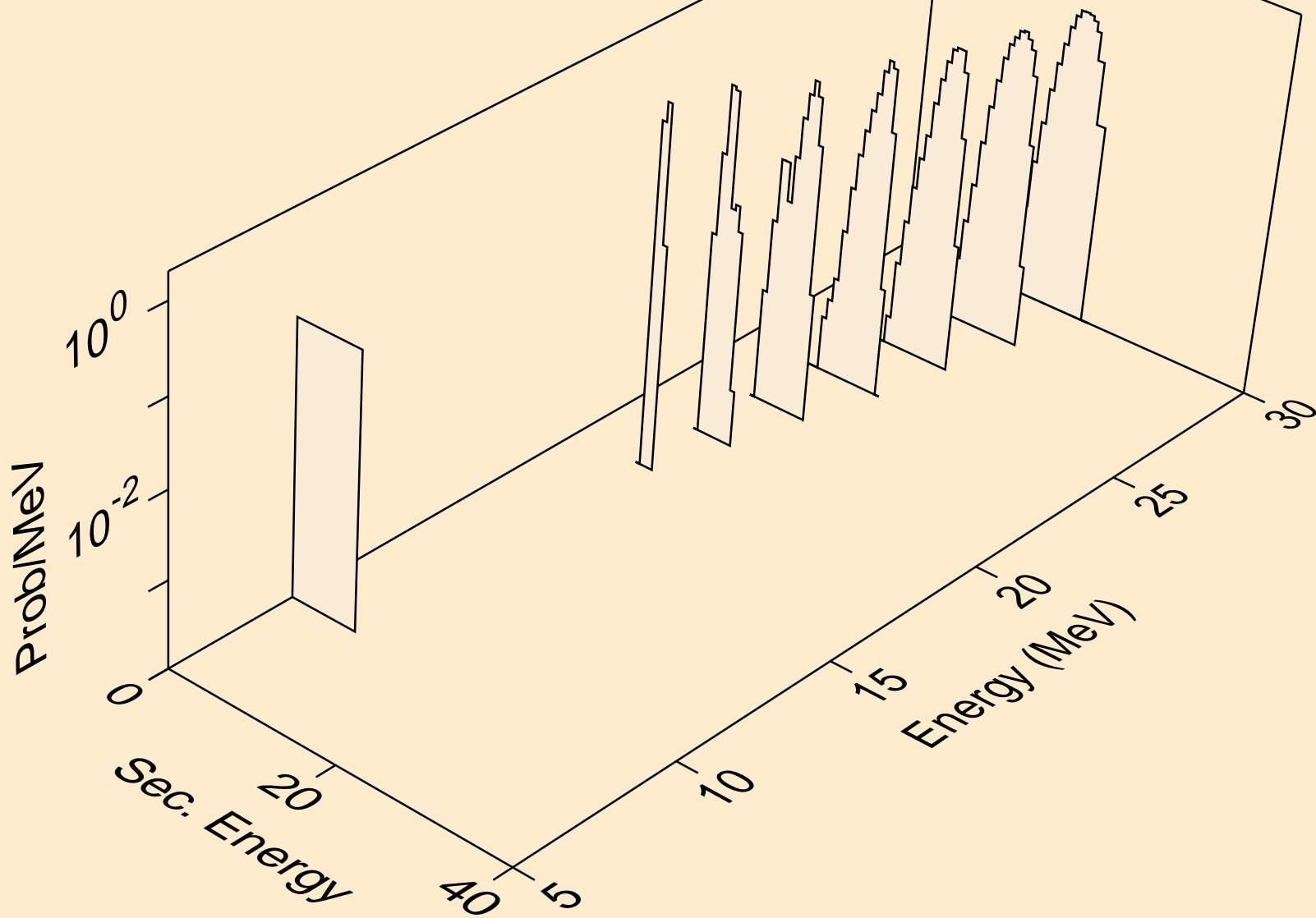
PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3n)a



PU239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)

