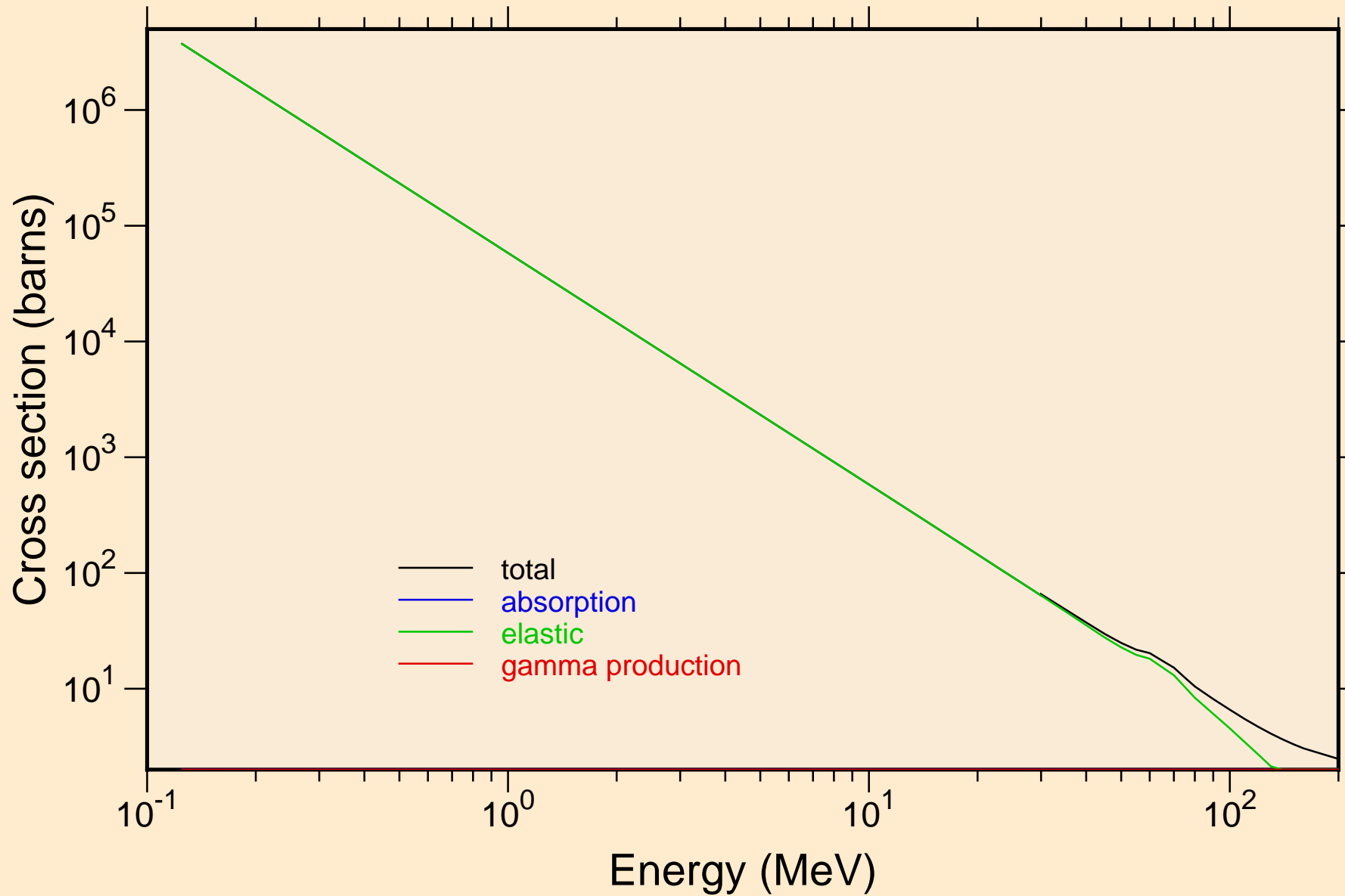
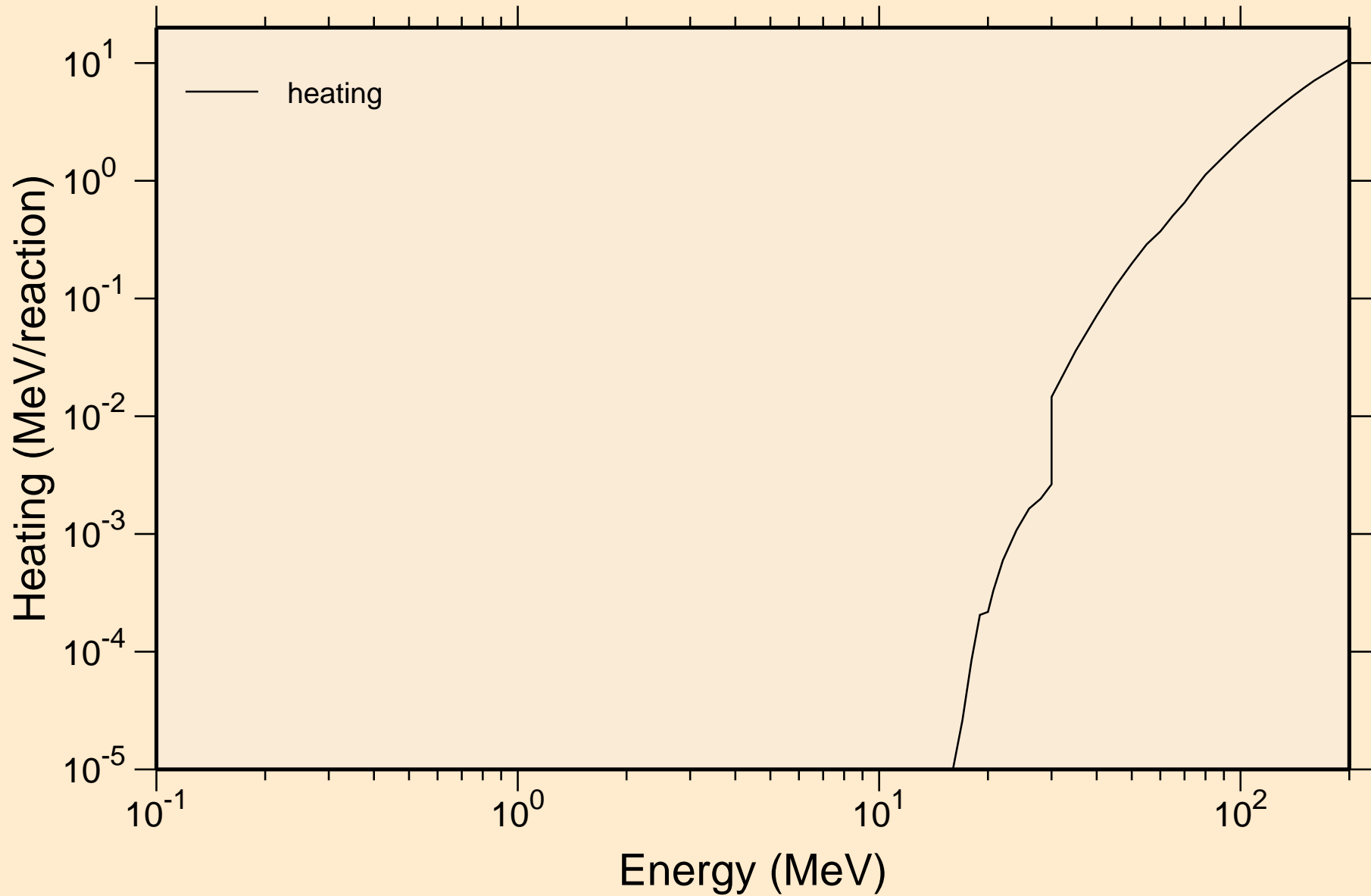


BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



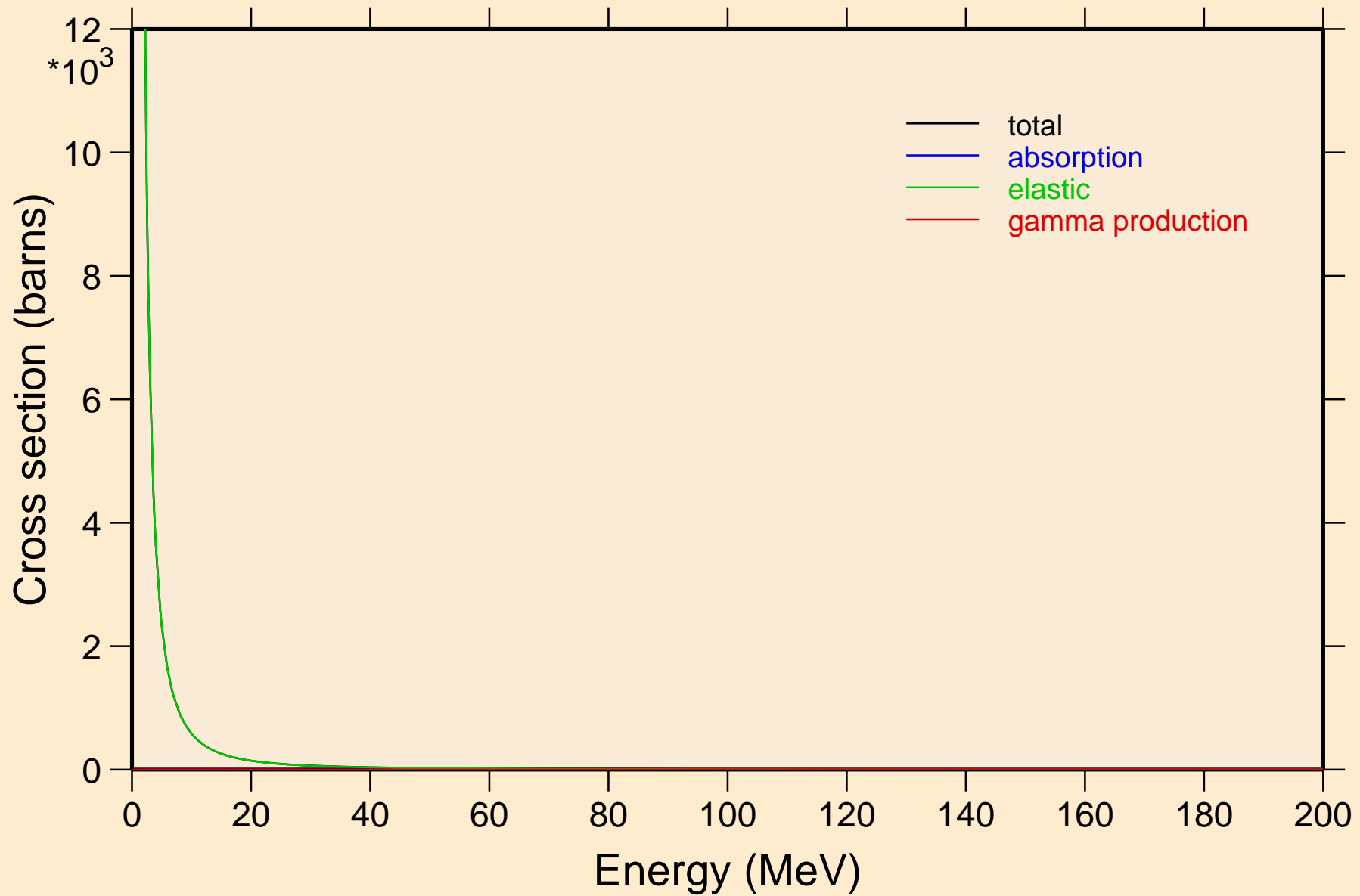
# BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



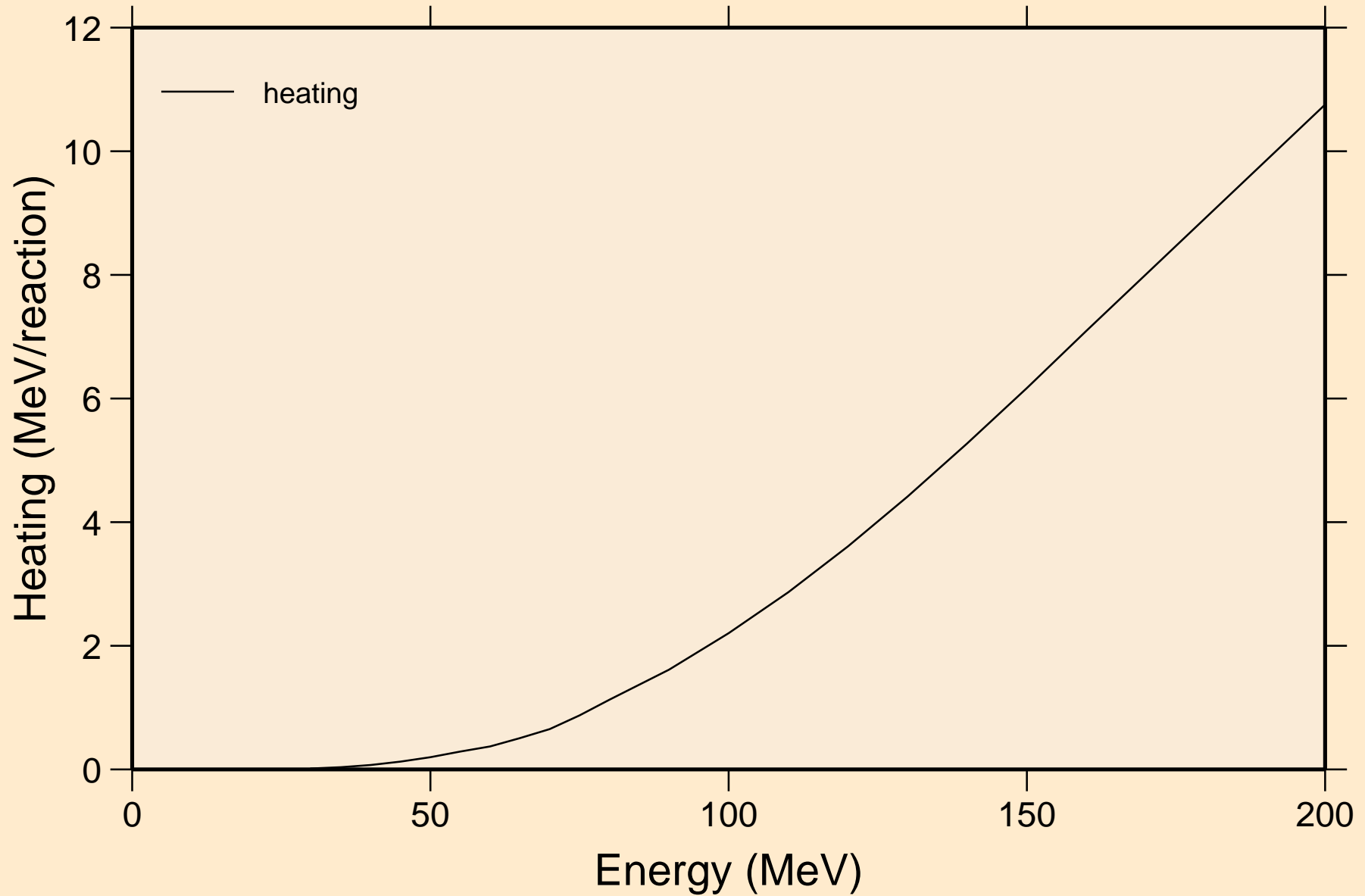
# BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

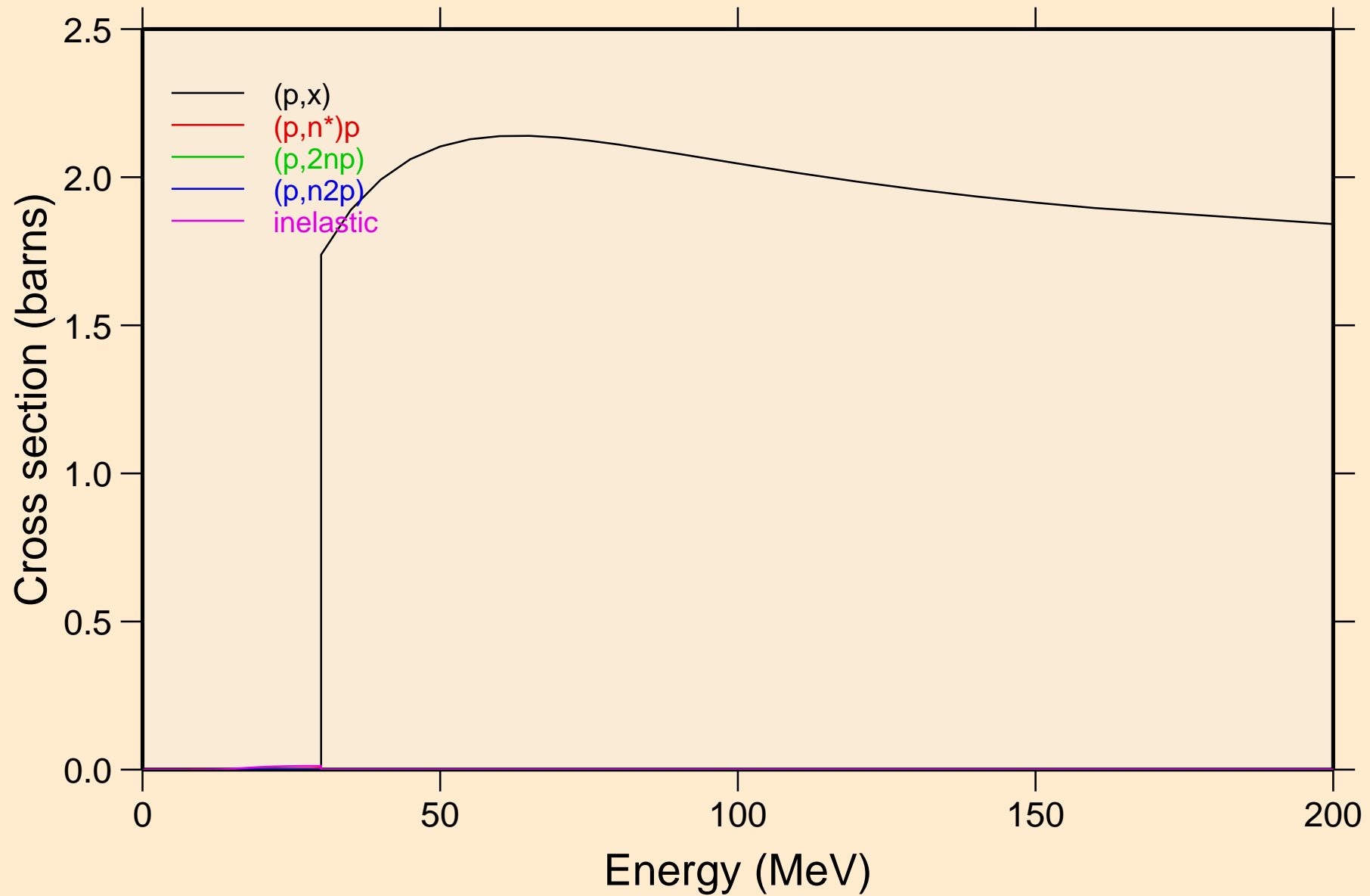


BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K

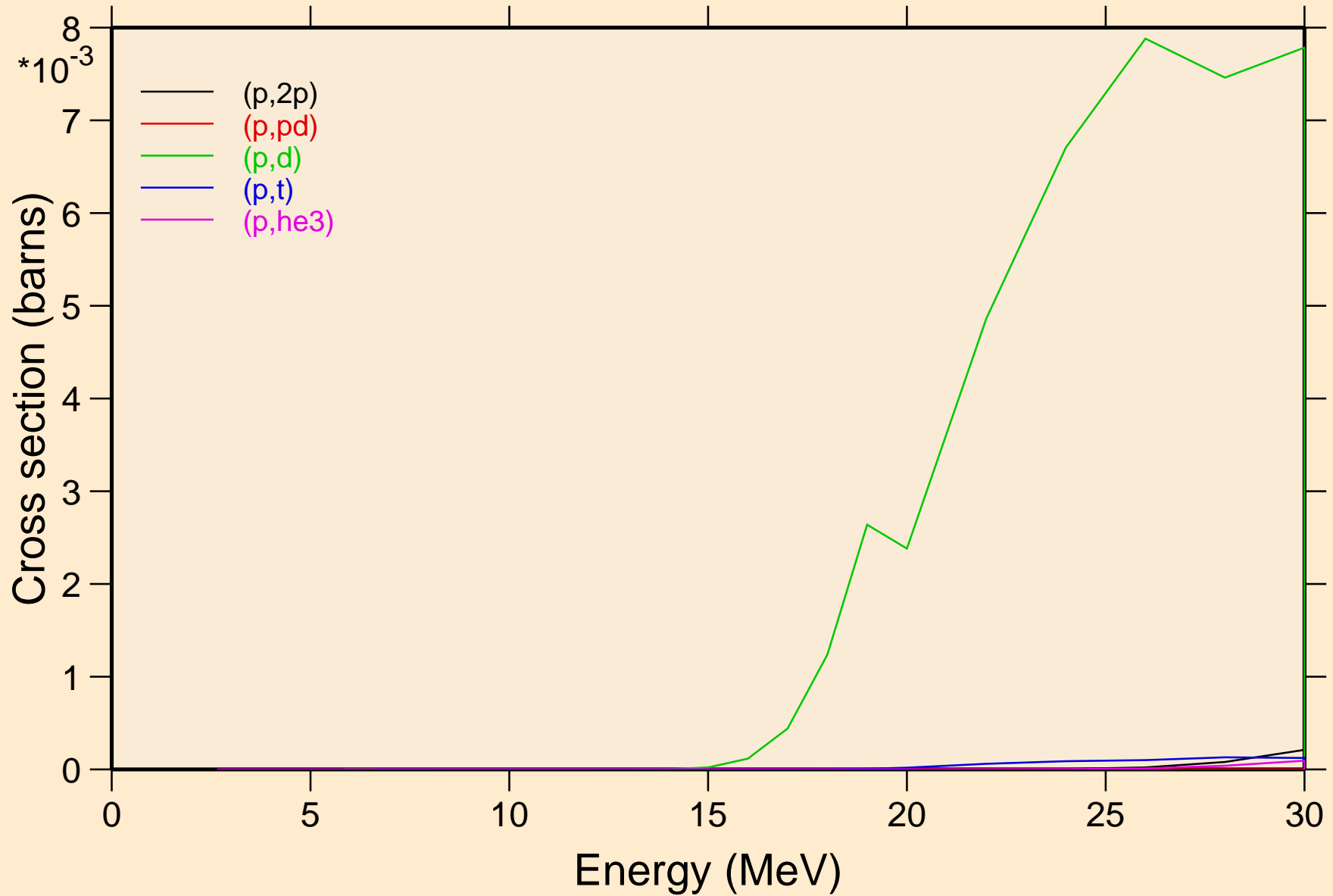
Heating



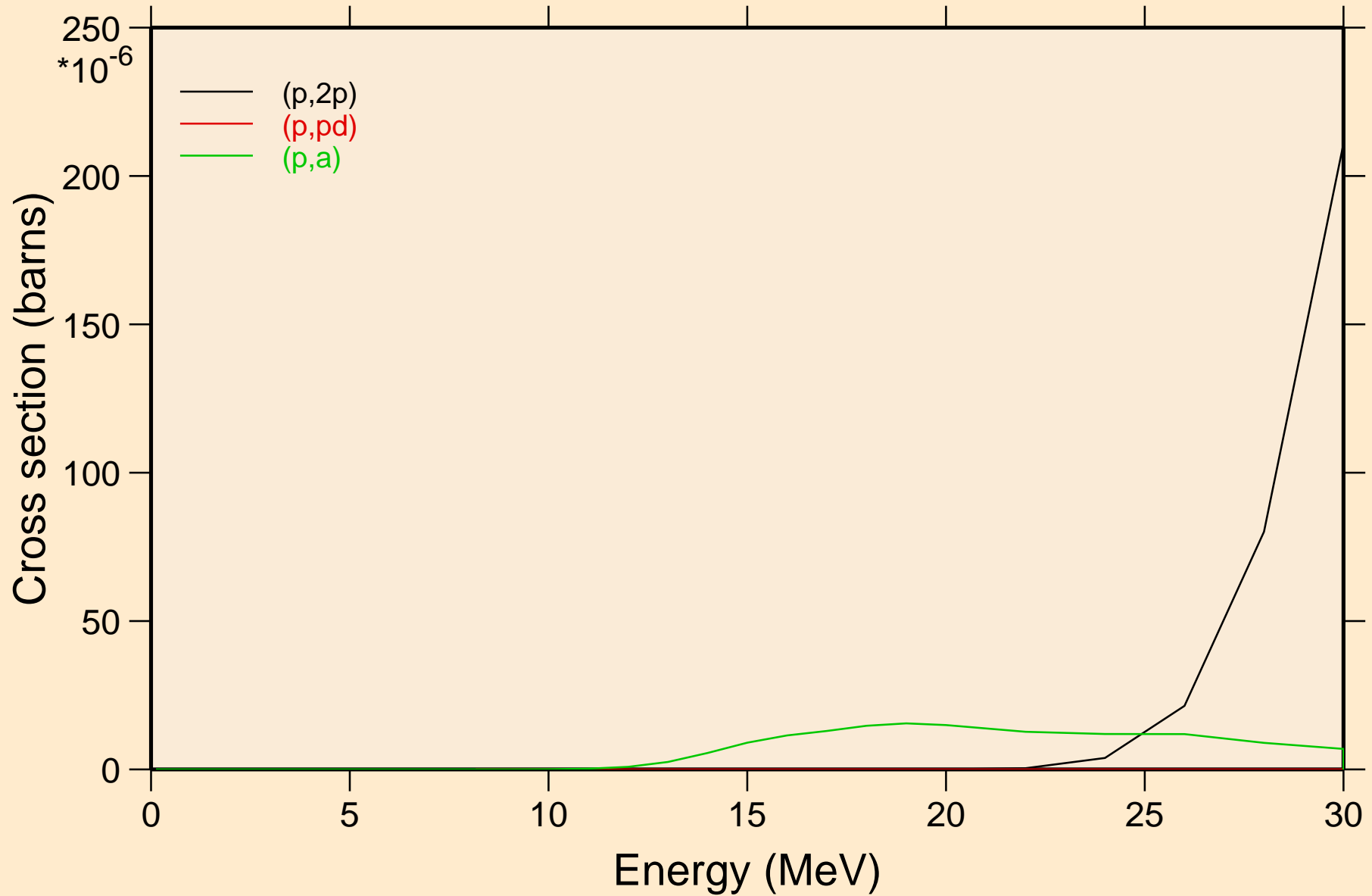
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



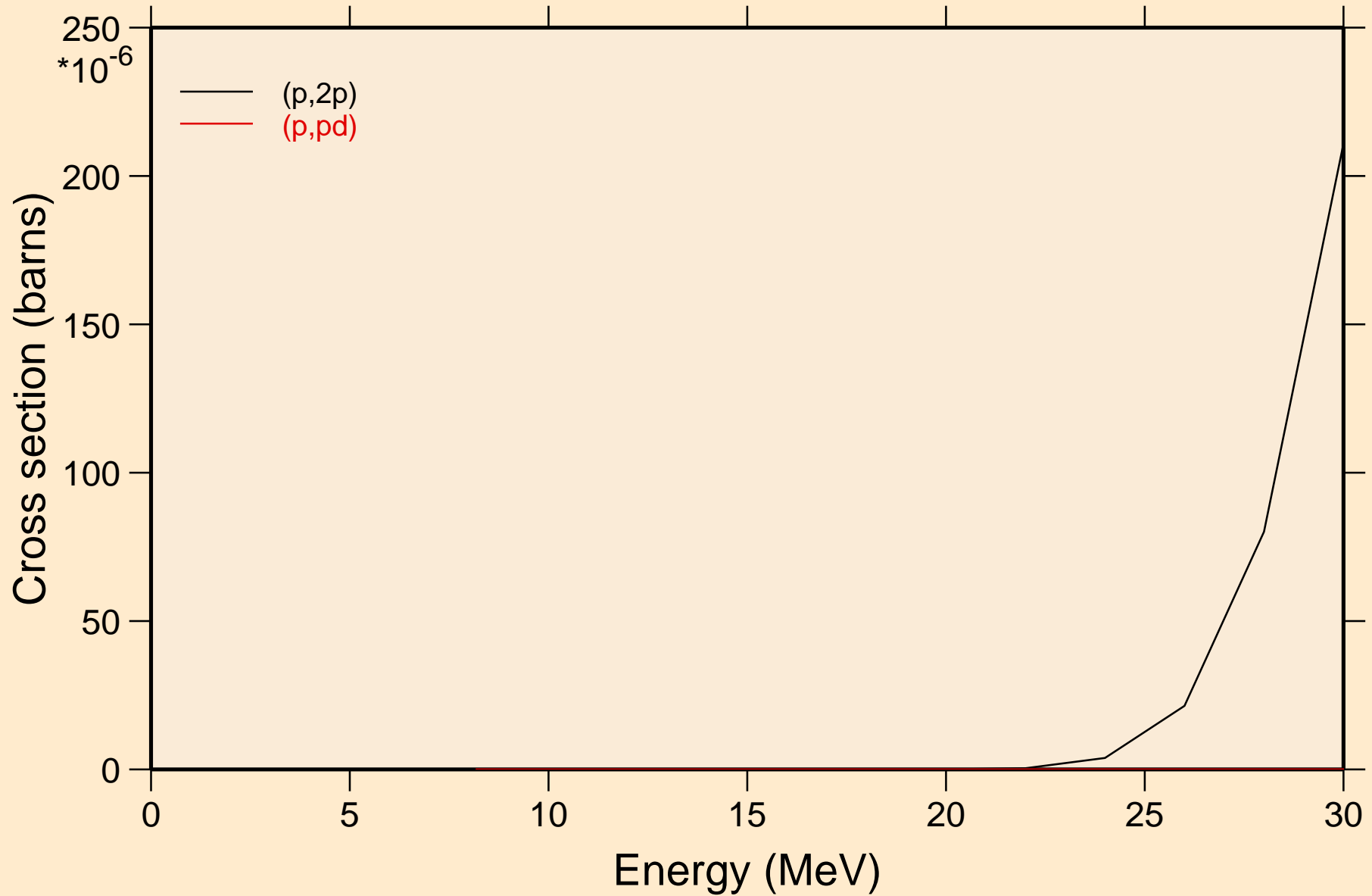
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



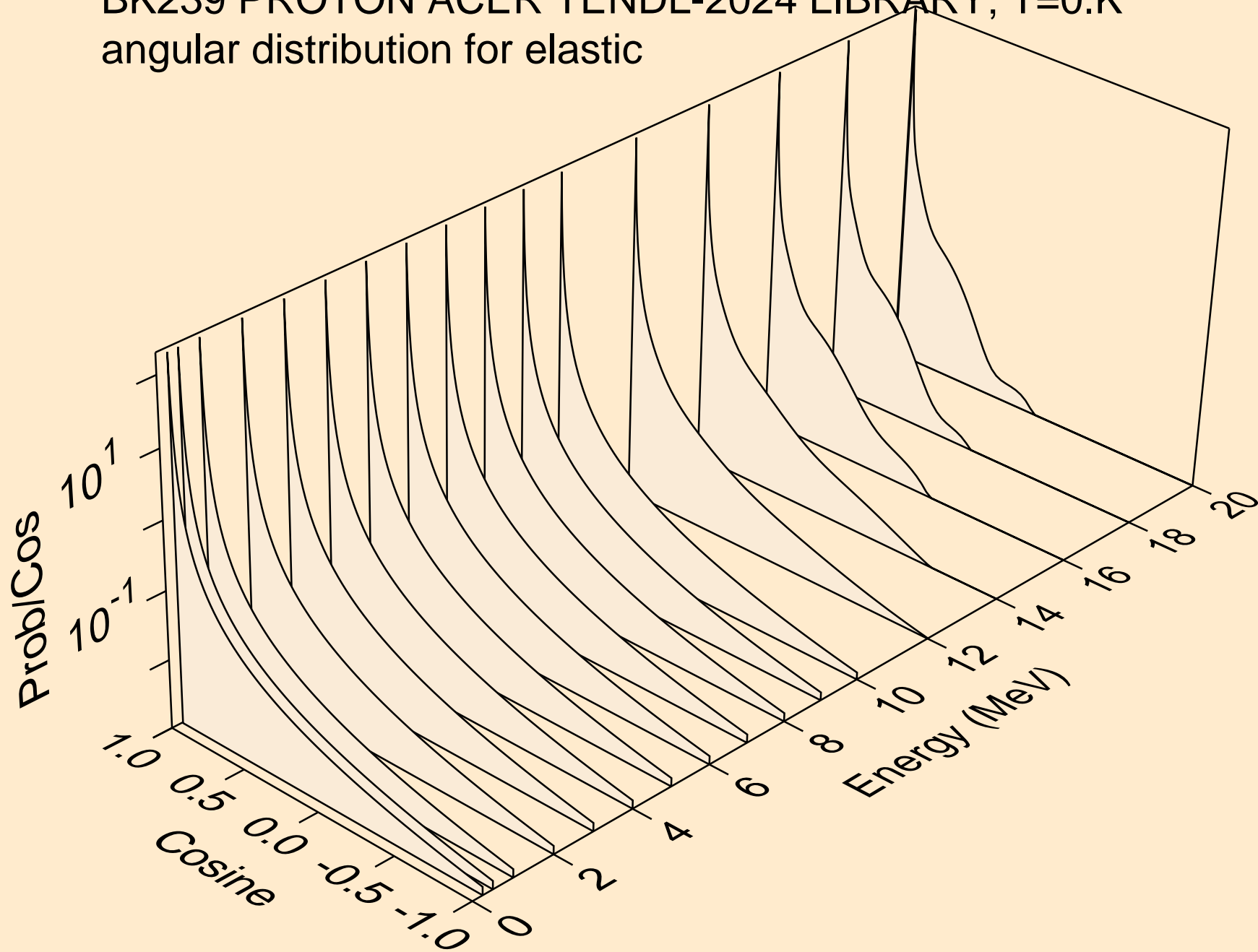
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



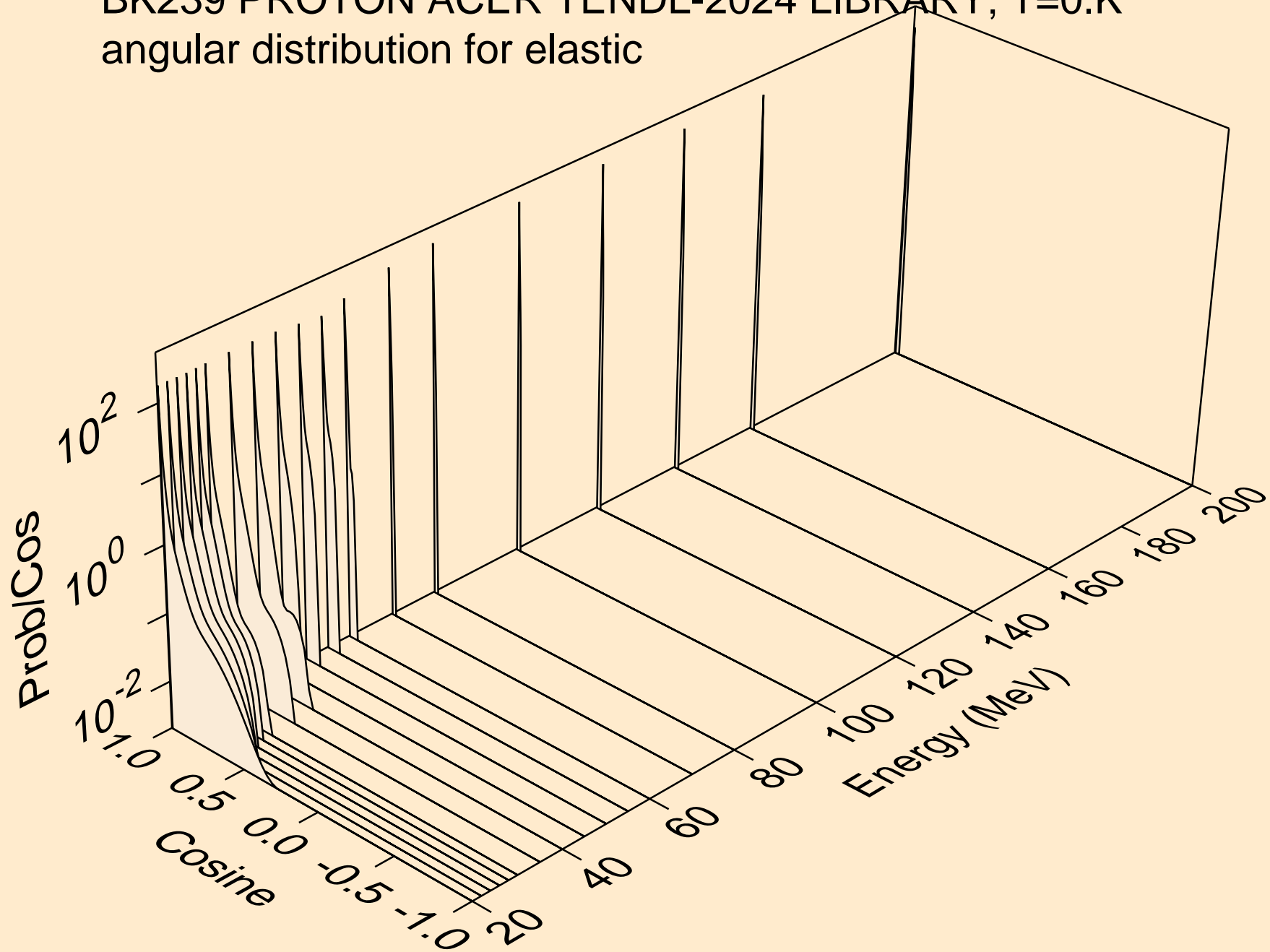
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



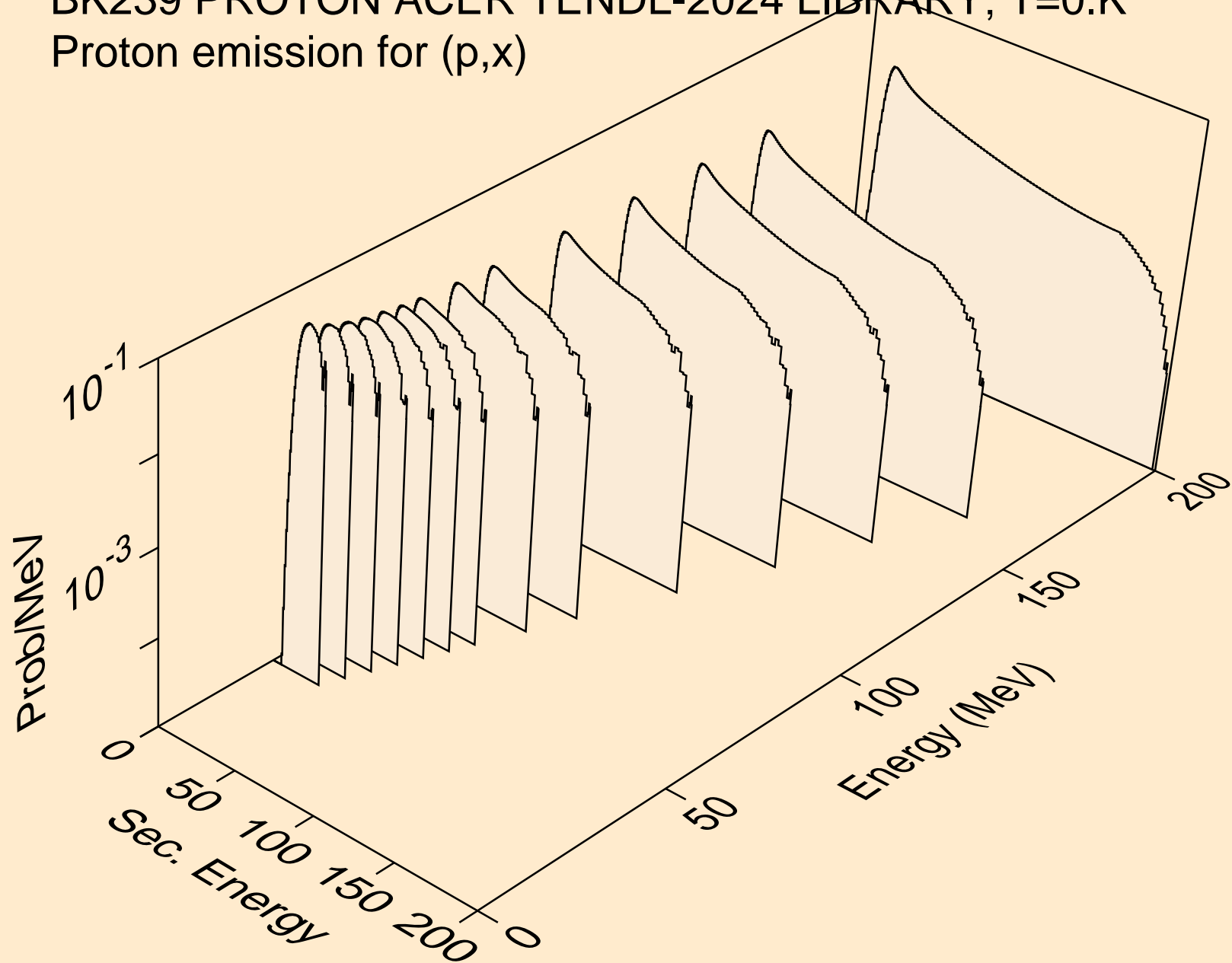
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



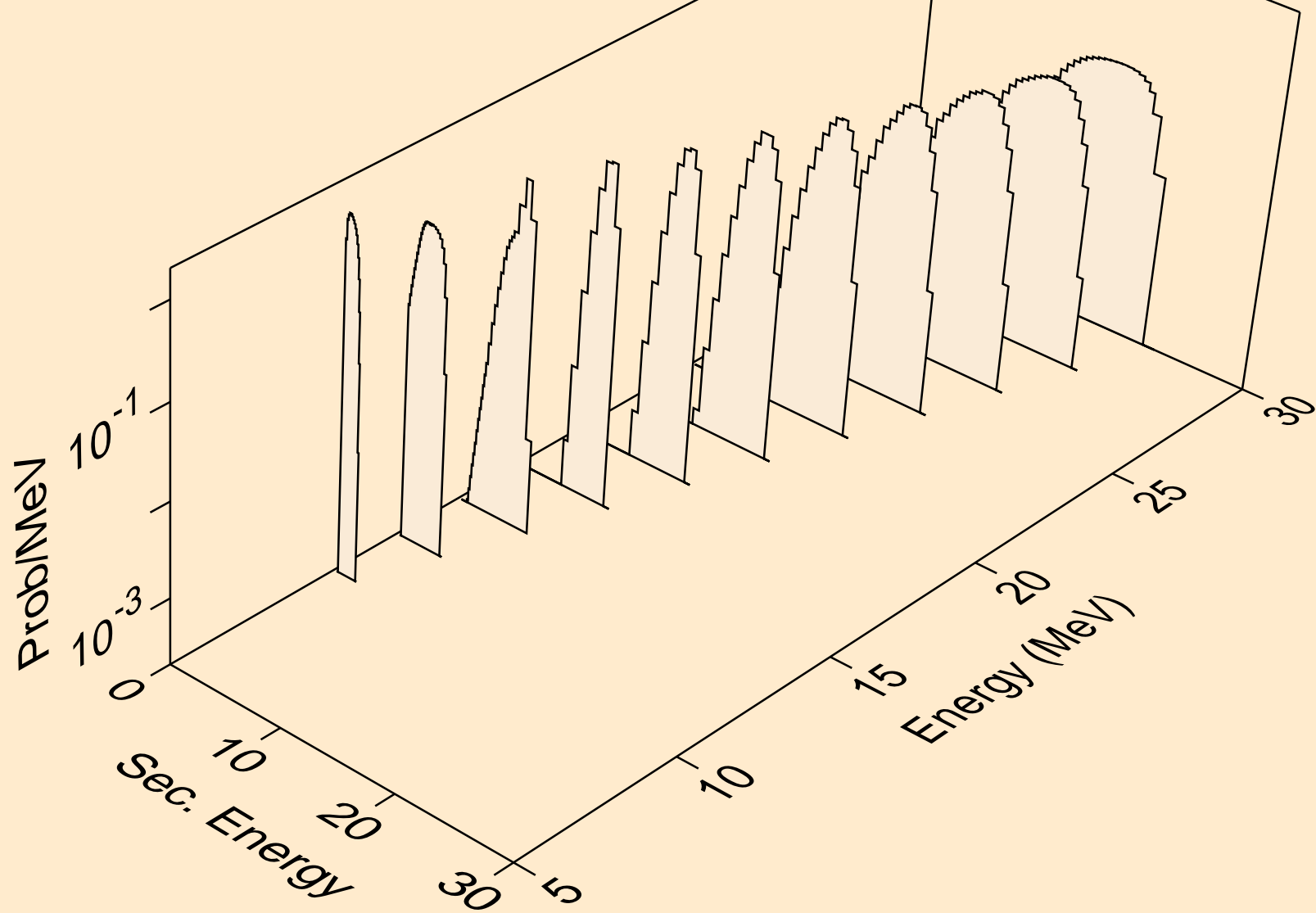
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



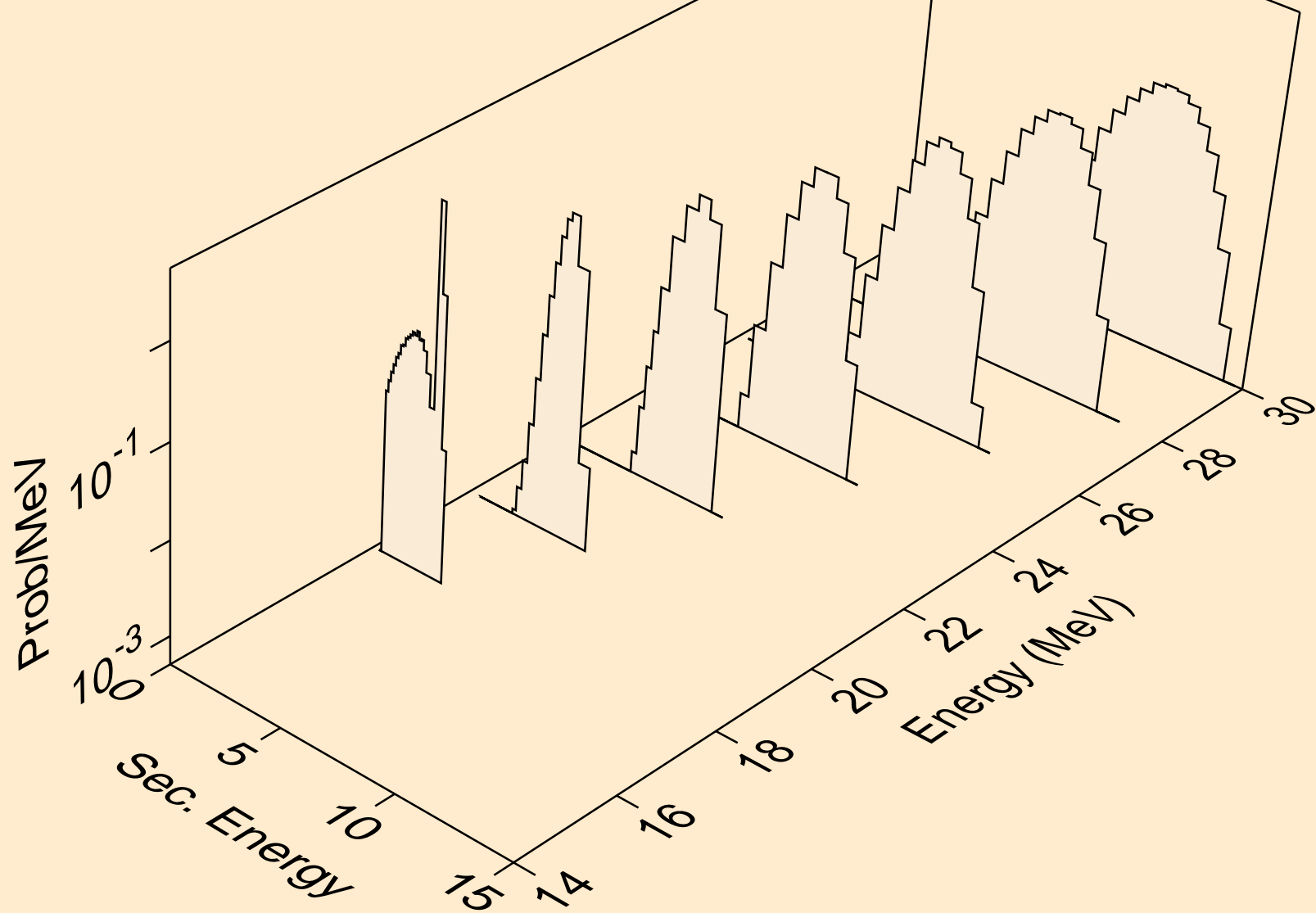
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)



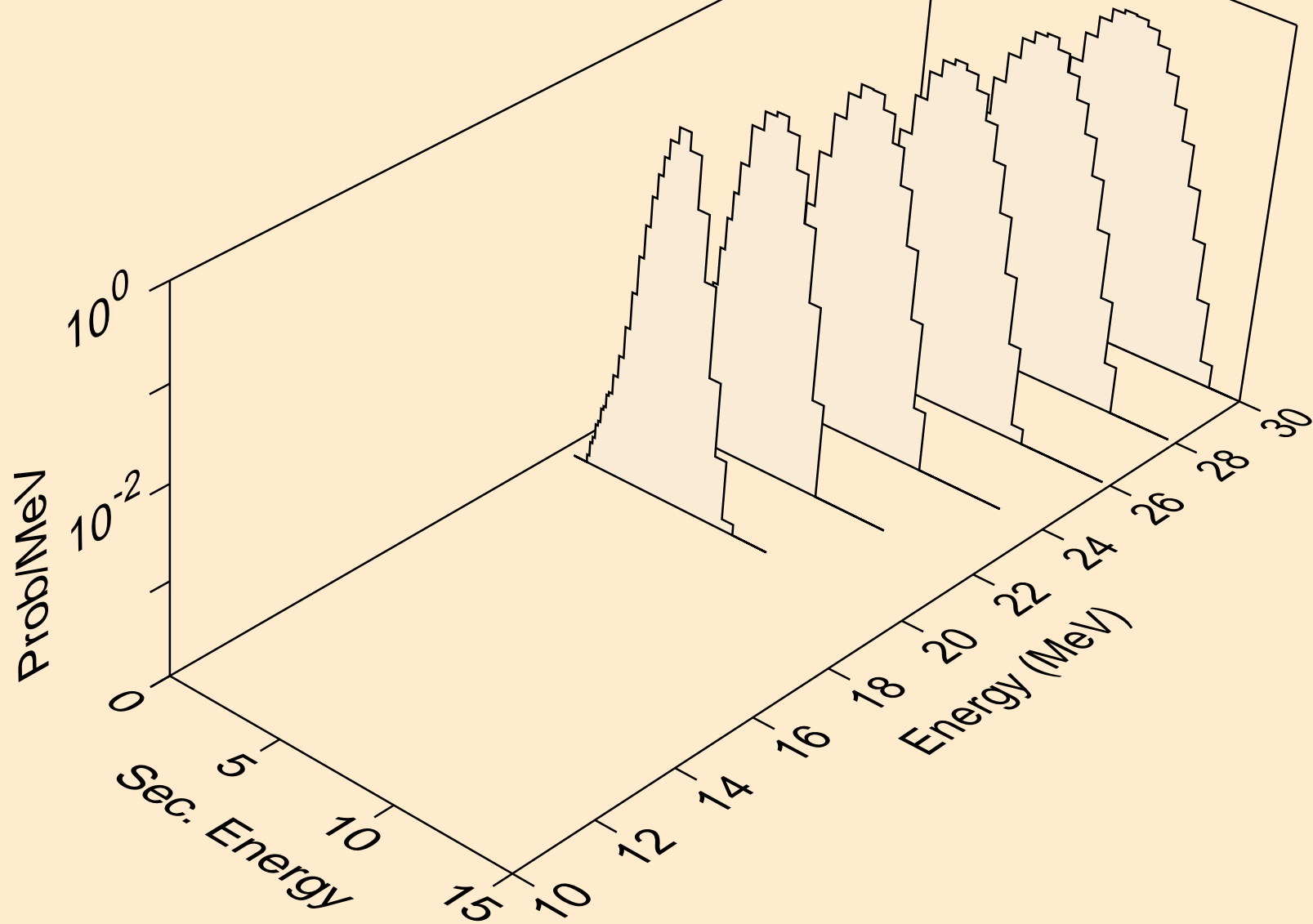
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



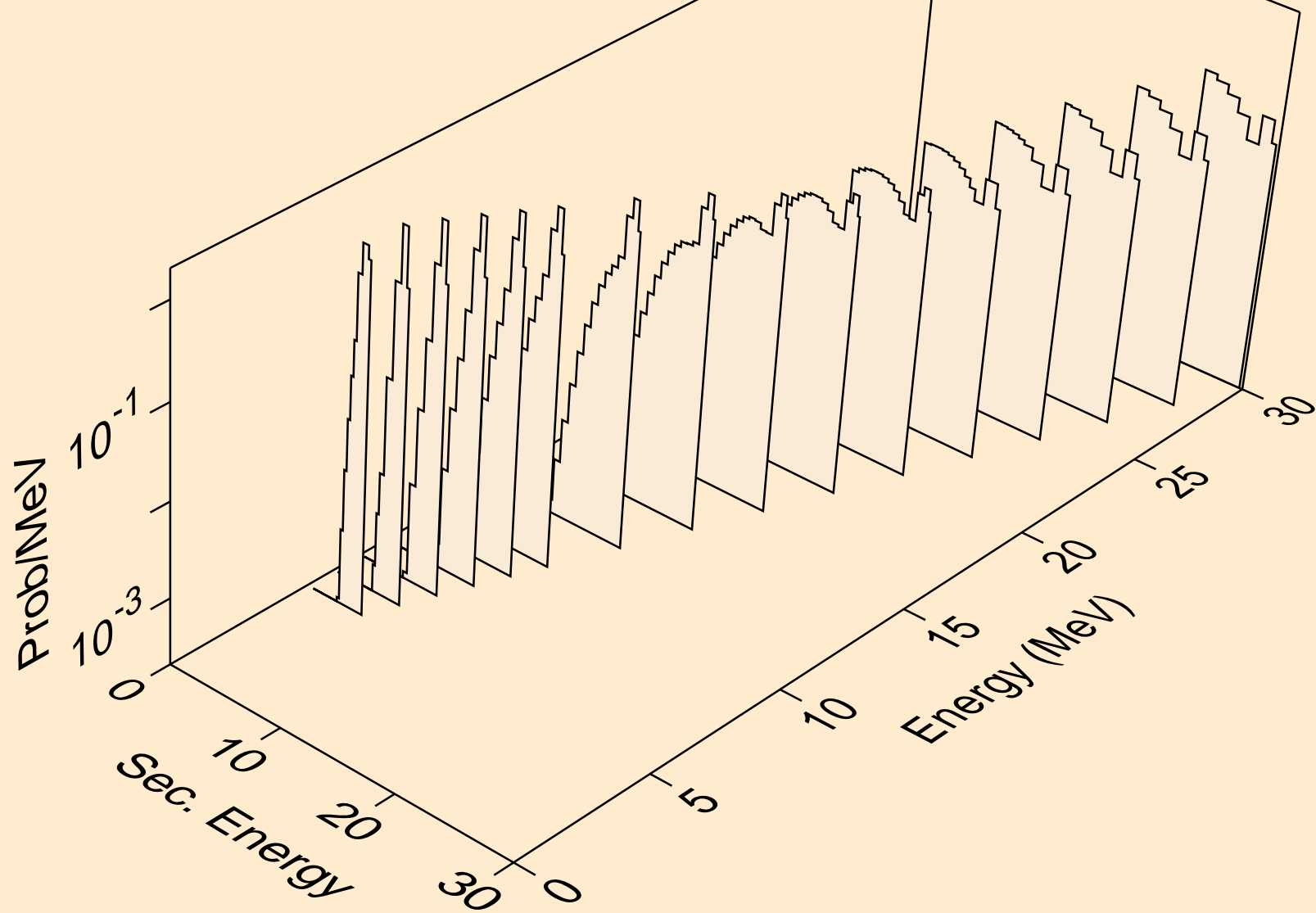
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



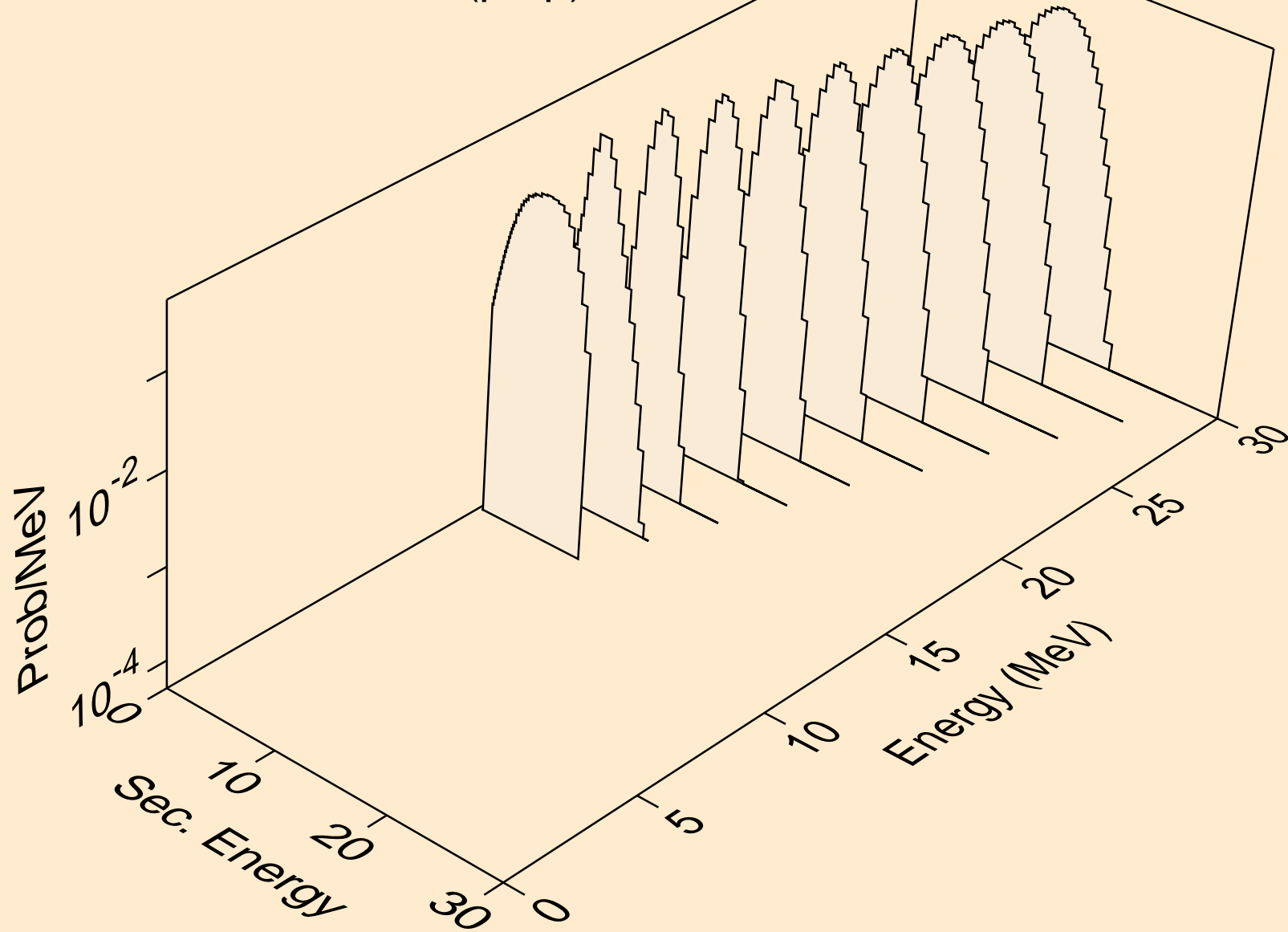
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



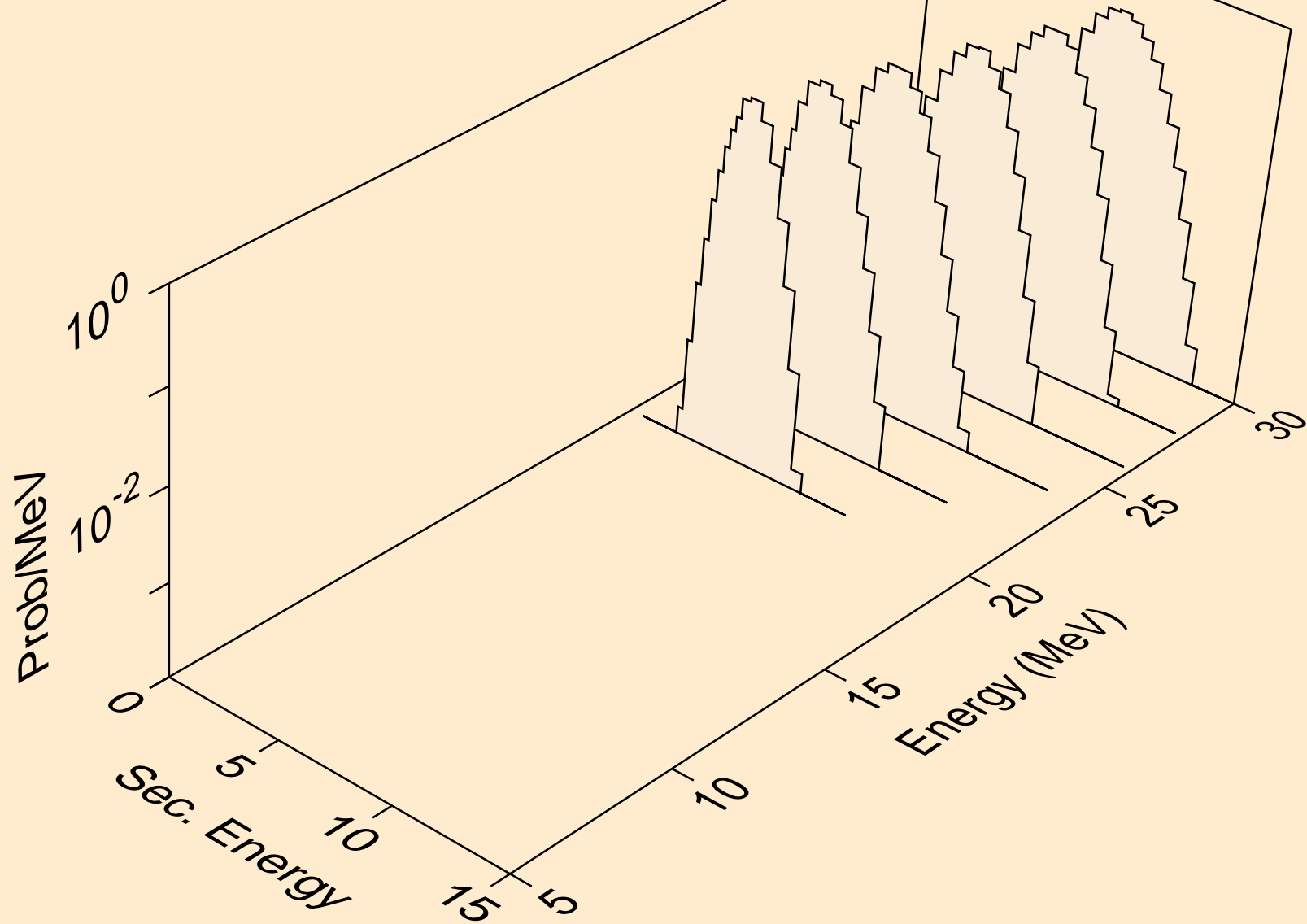
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



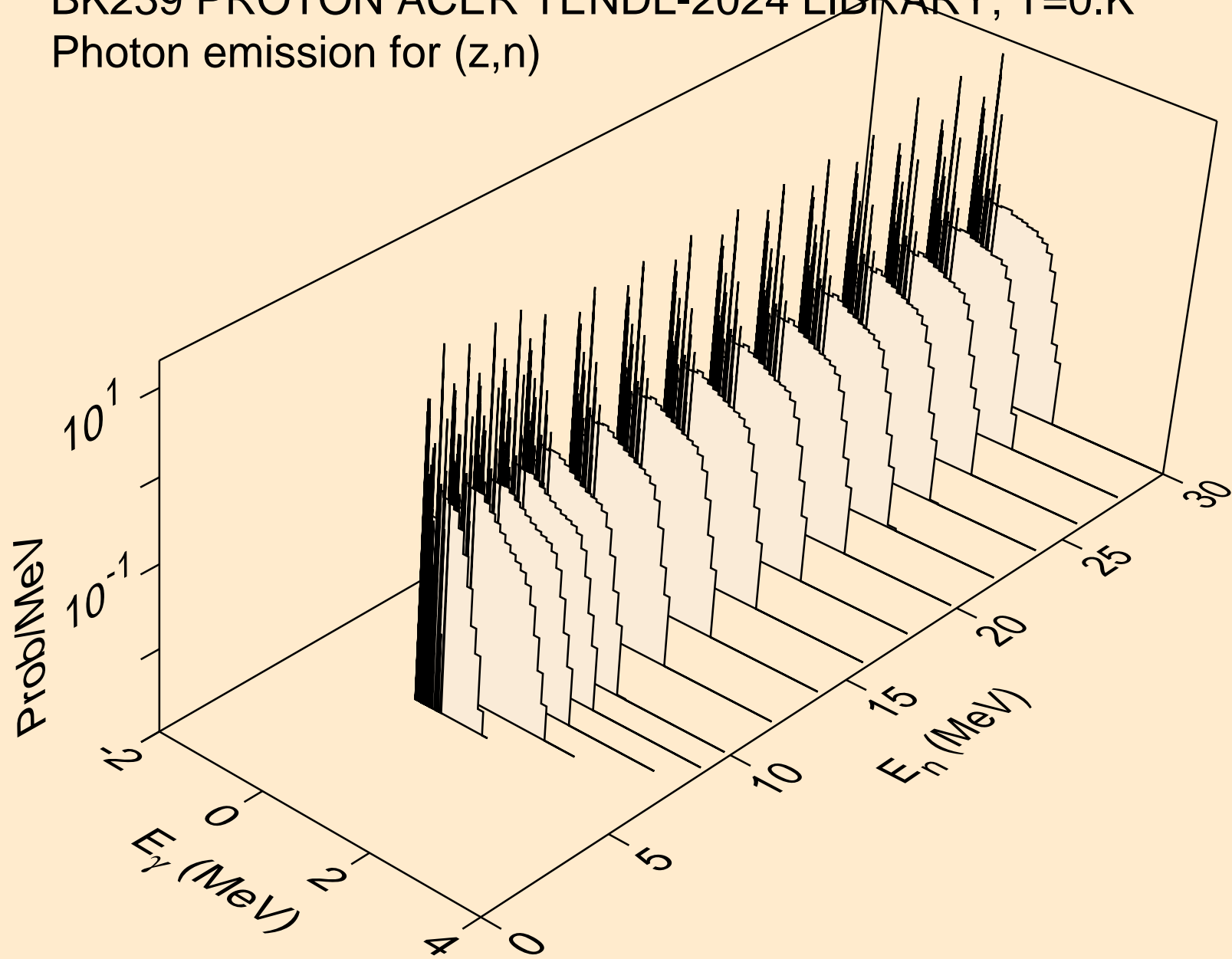
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Proton emission for (p,2p)



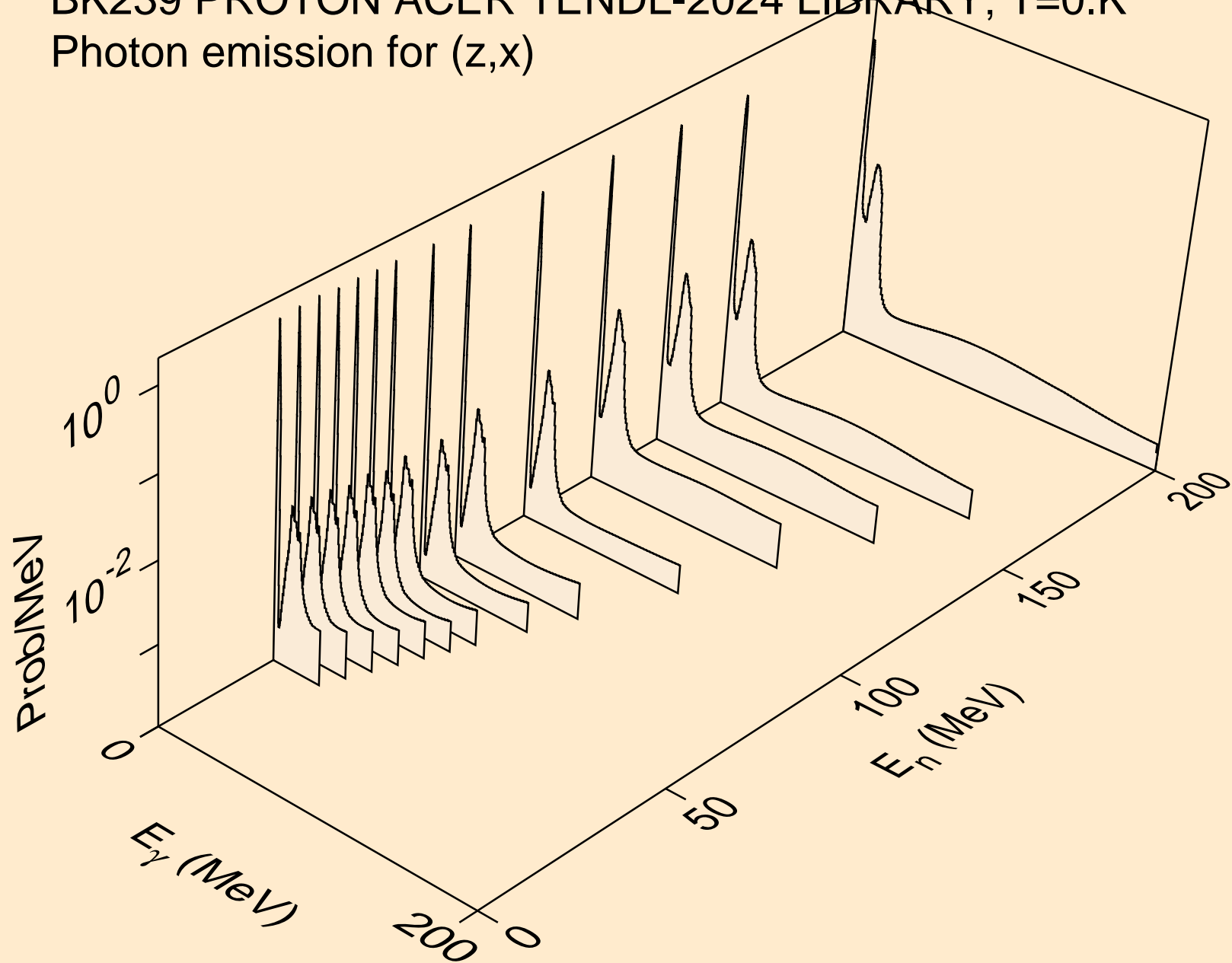
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)



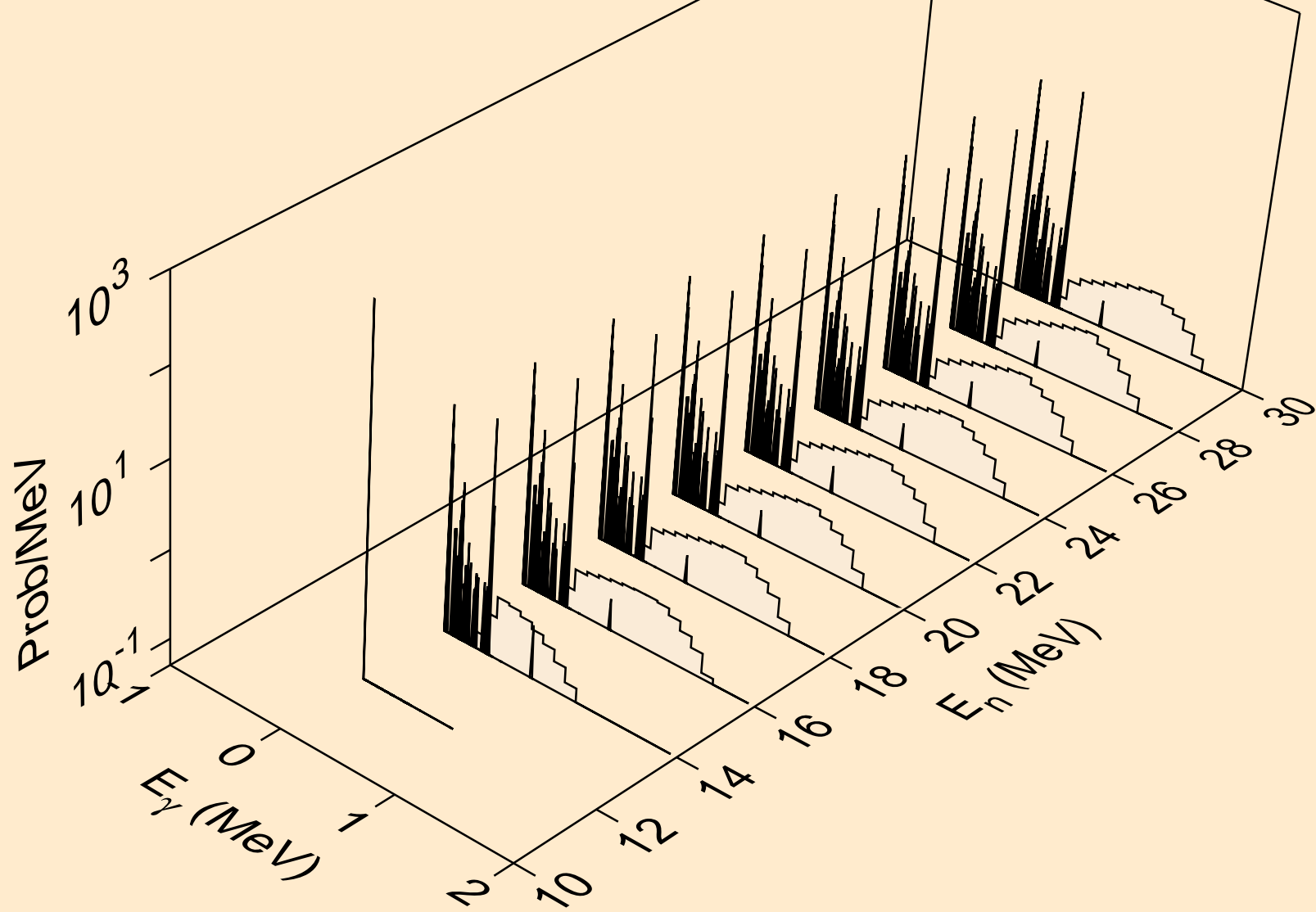
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



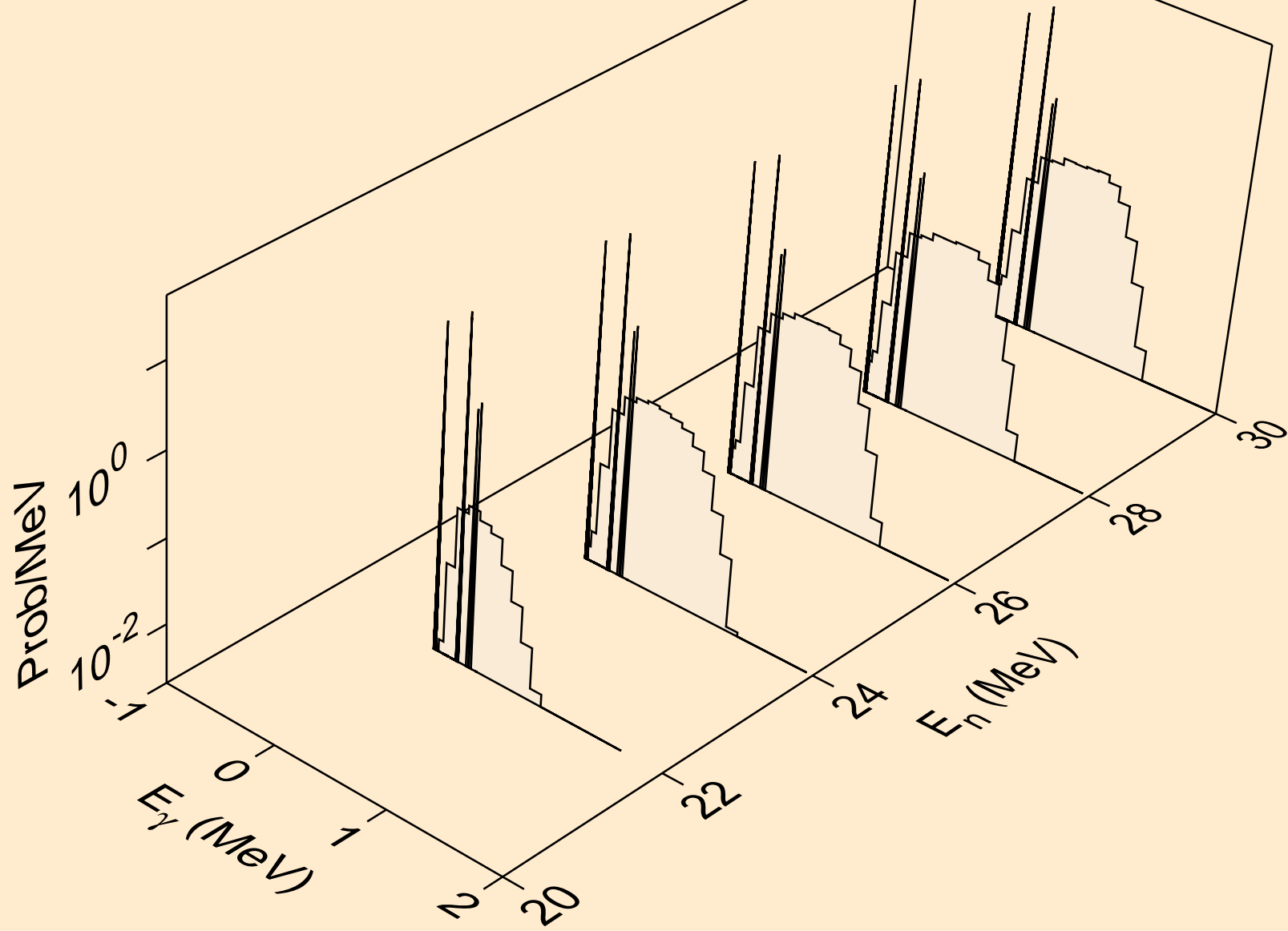
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



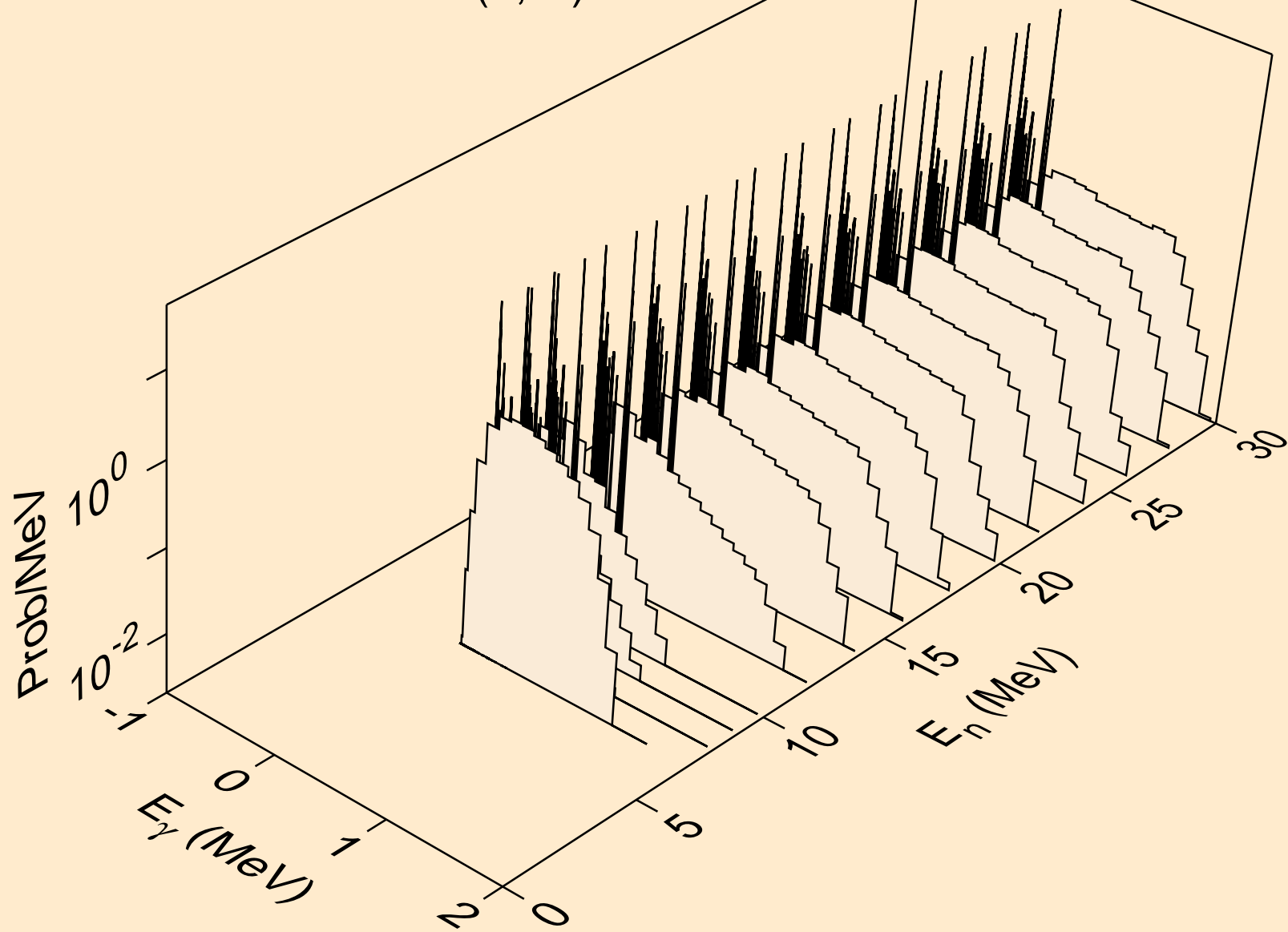
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



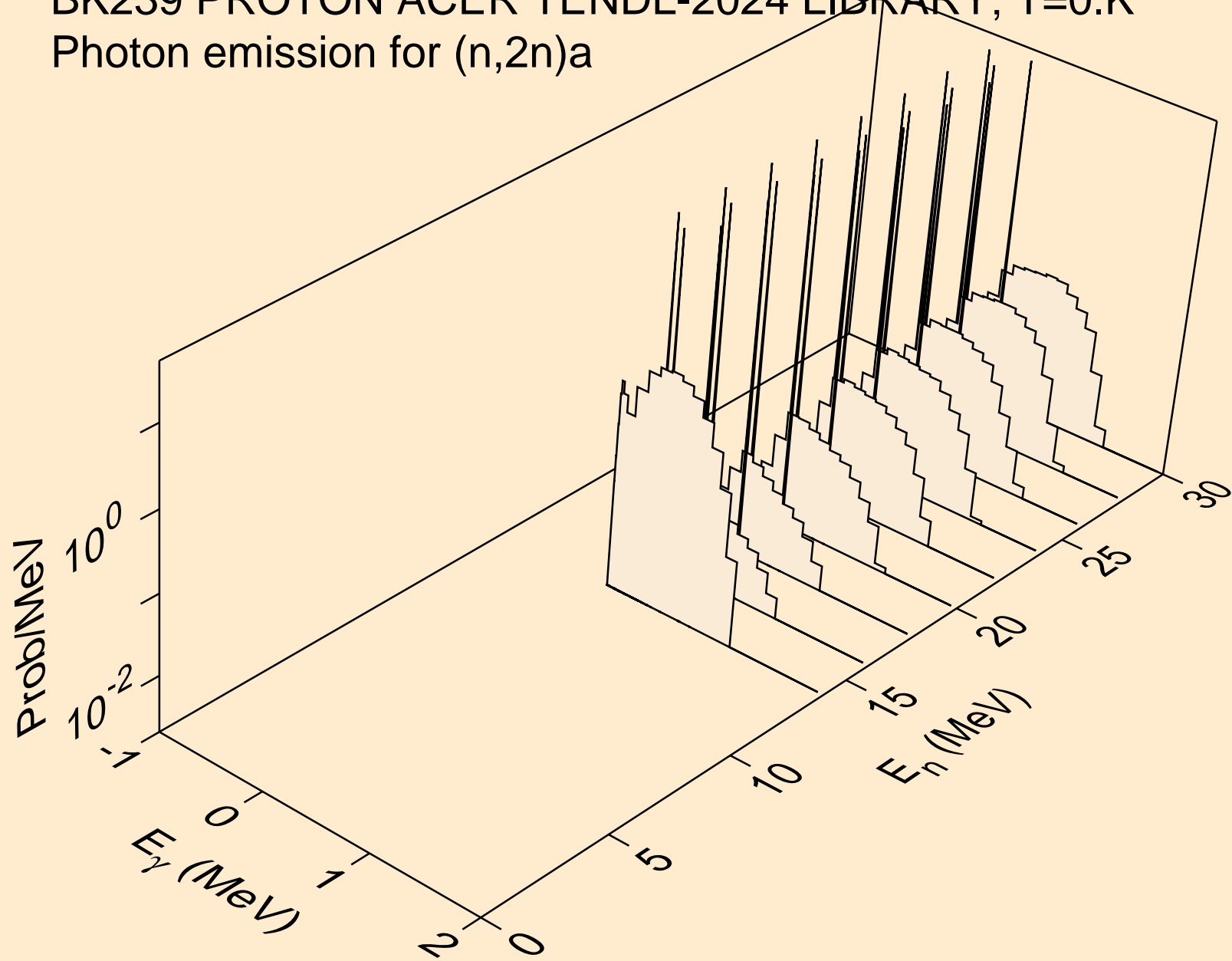
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Photon emission for (n,3n)



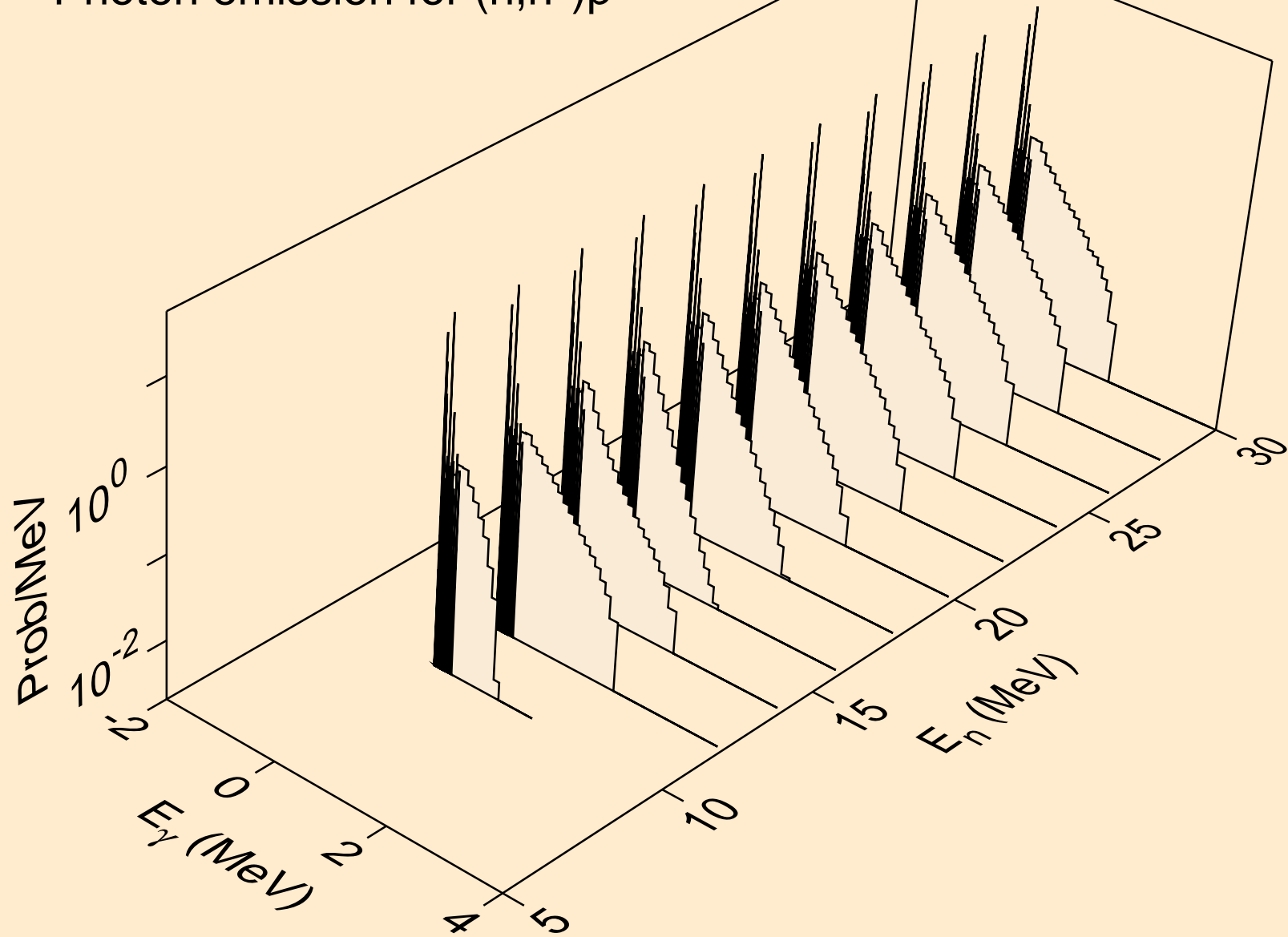
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



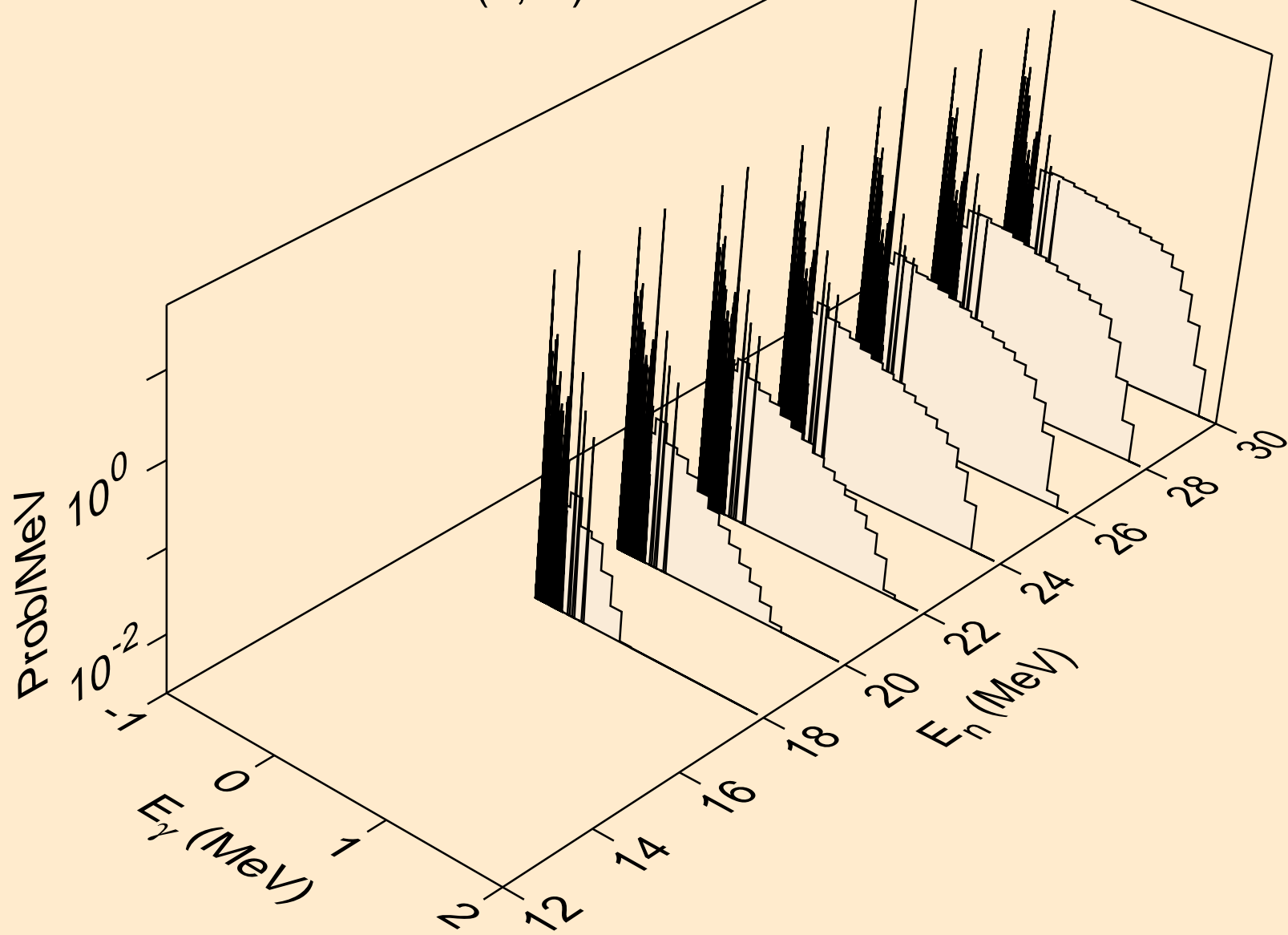
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Photon emission for (n,2n)a



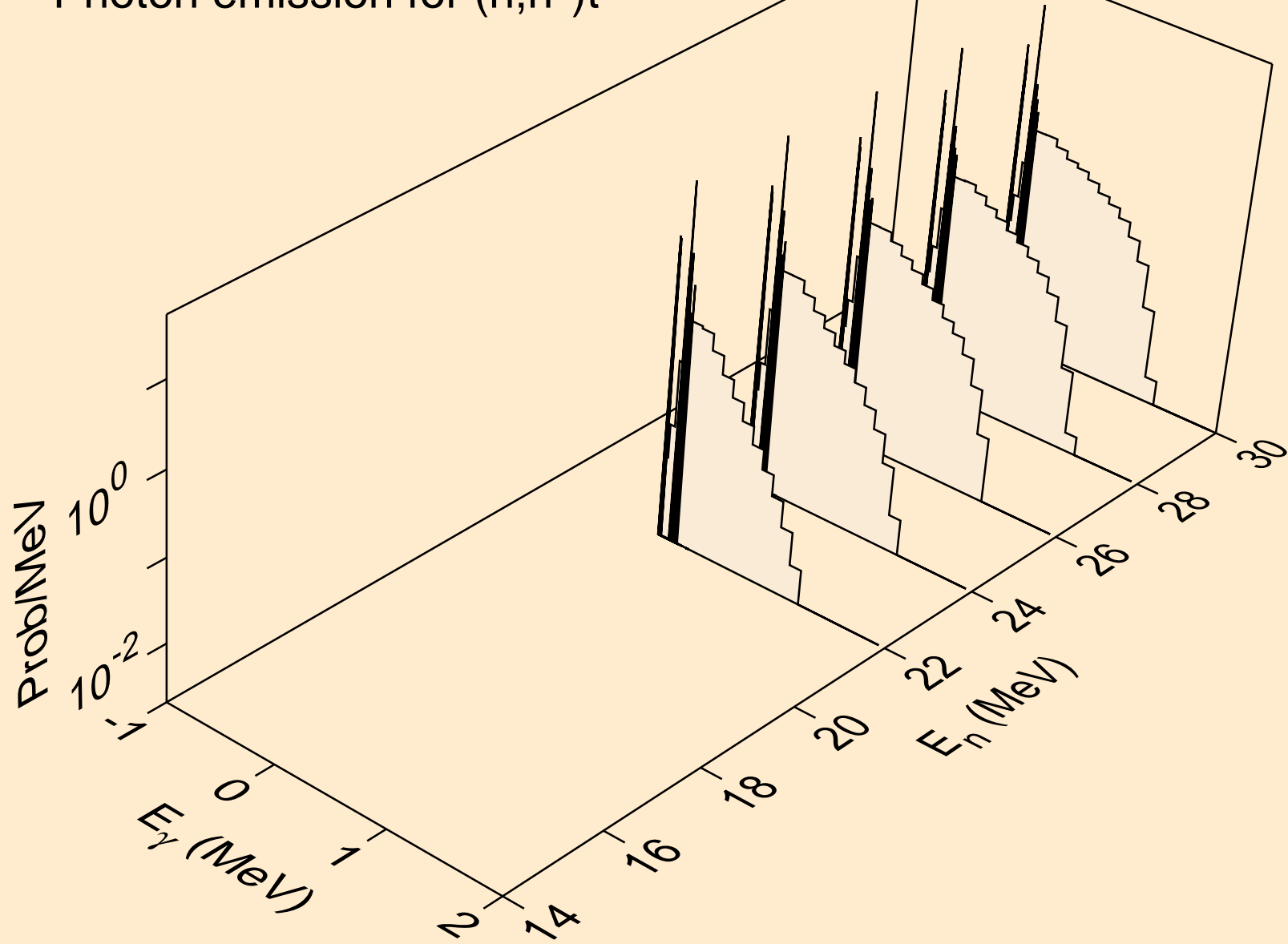
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



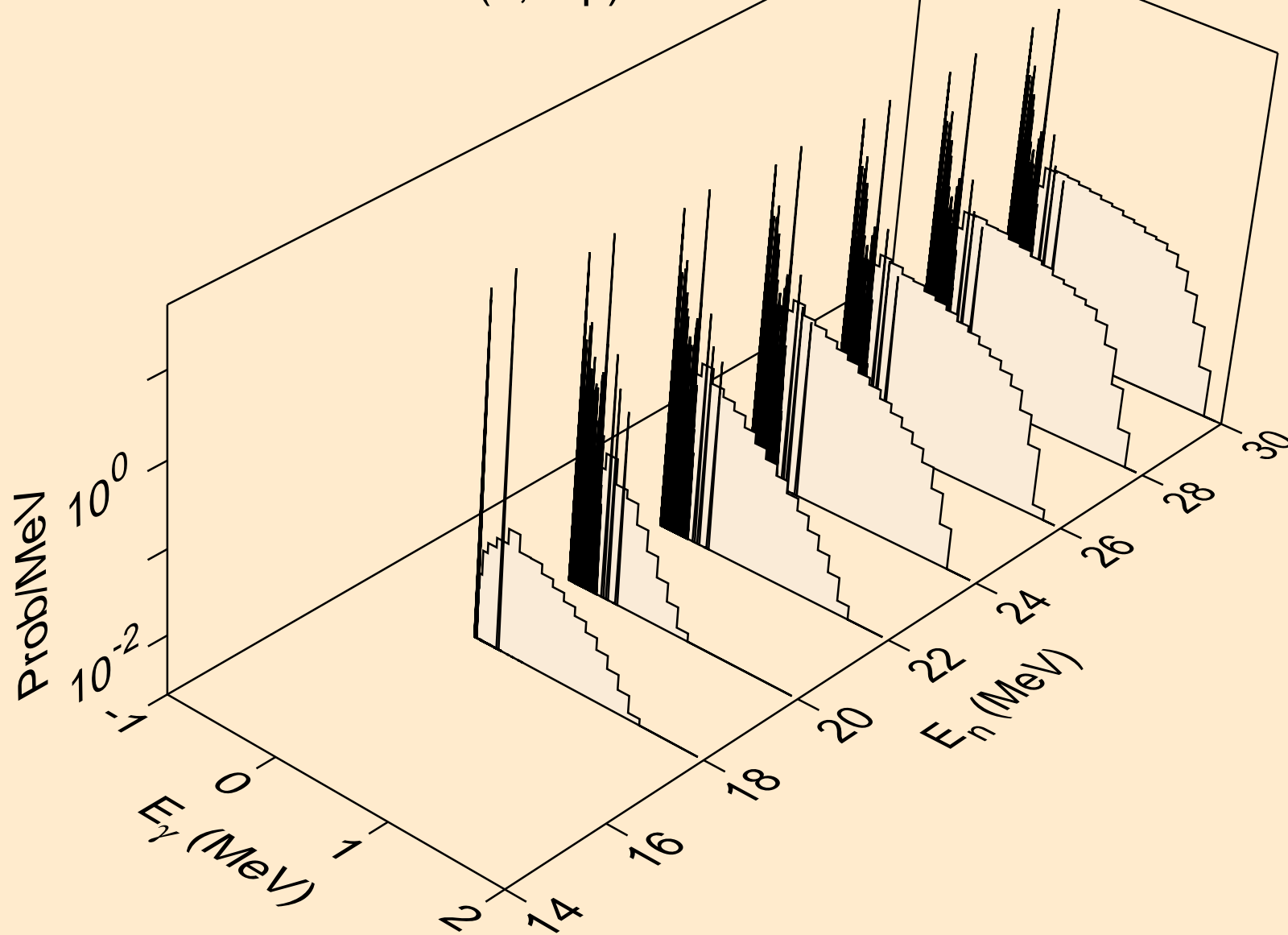
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



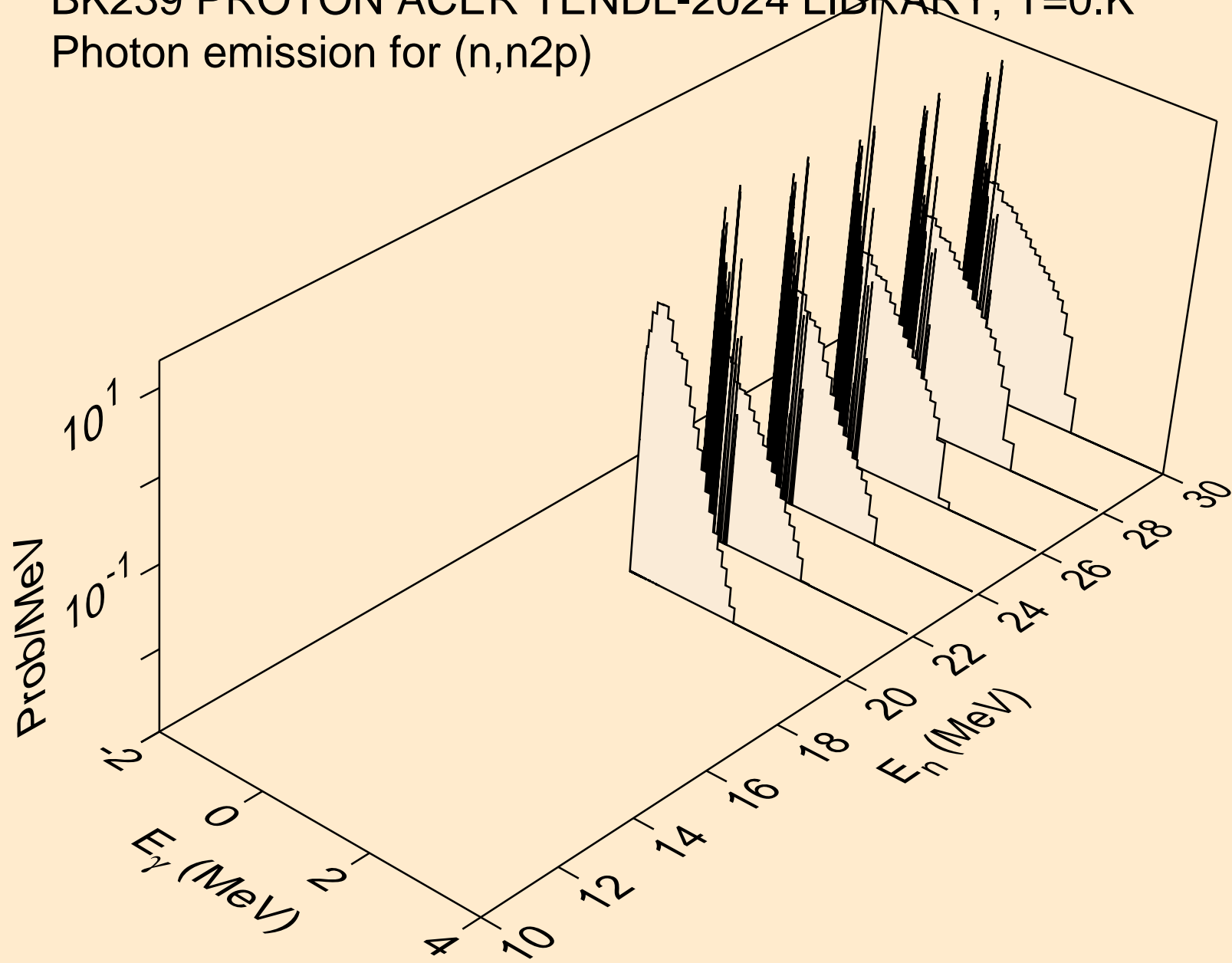
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



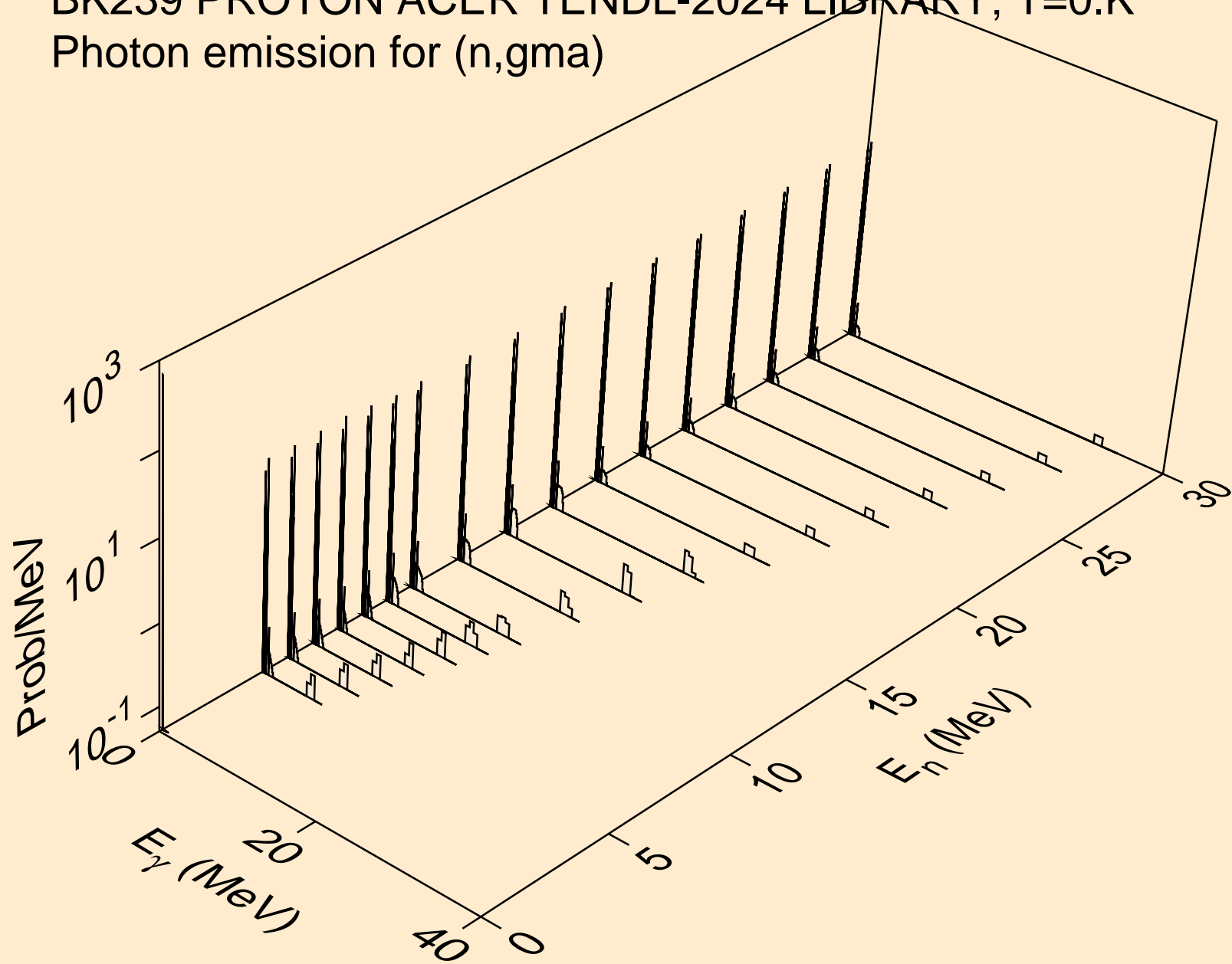
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



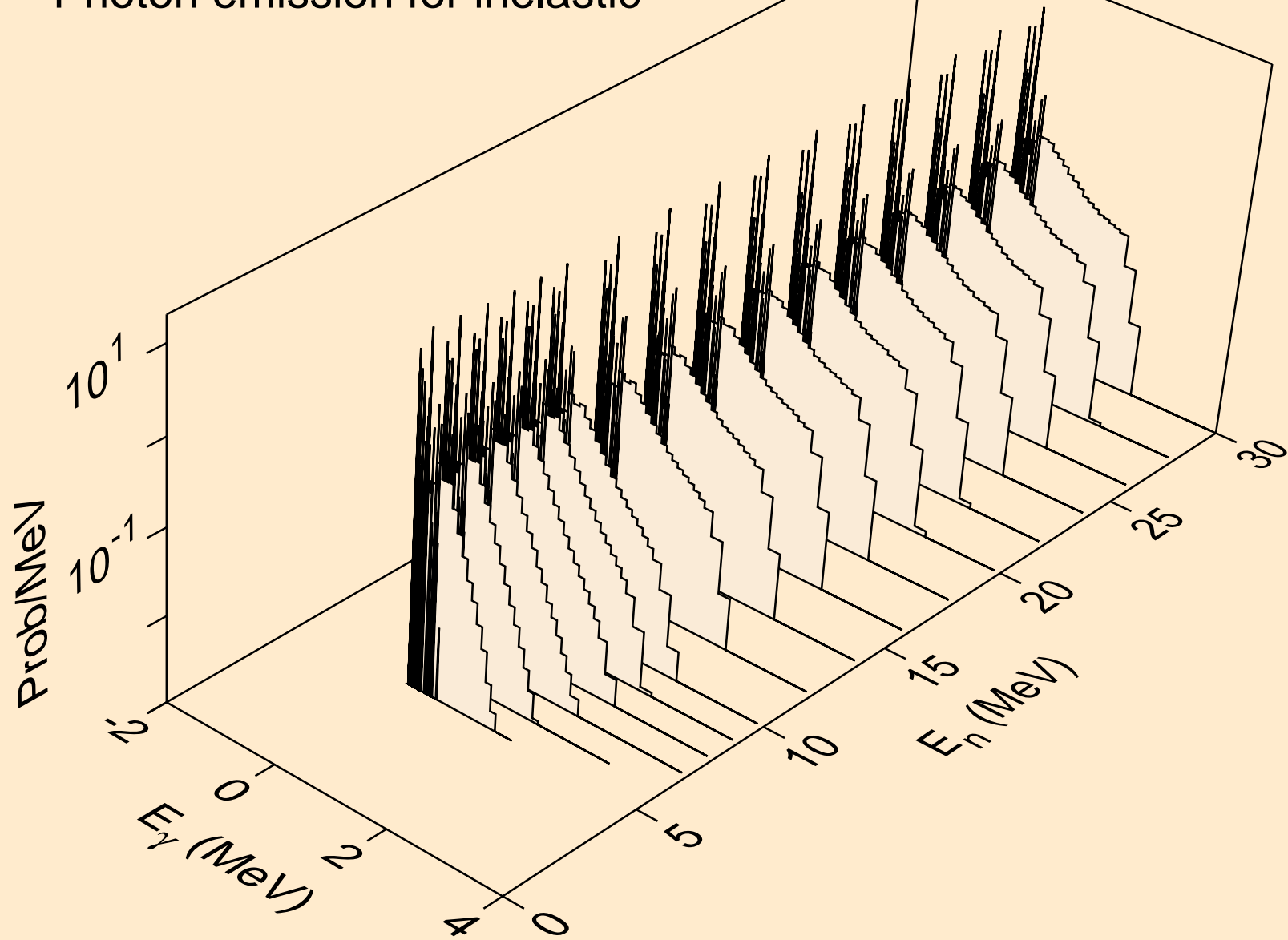
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Photon emission for (n,n2p)



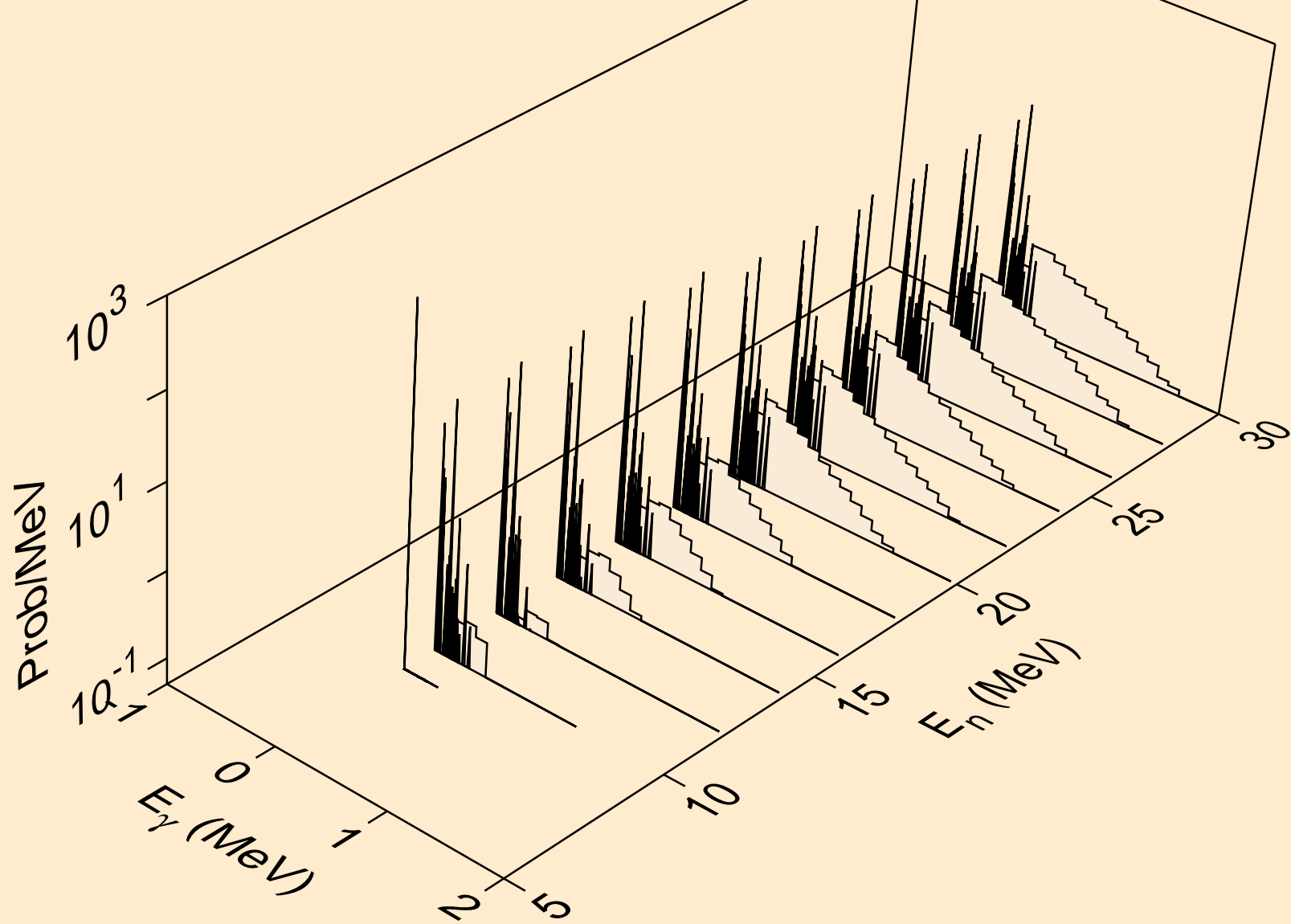
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Photon emission for (n,gma)



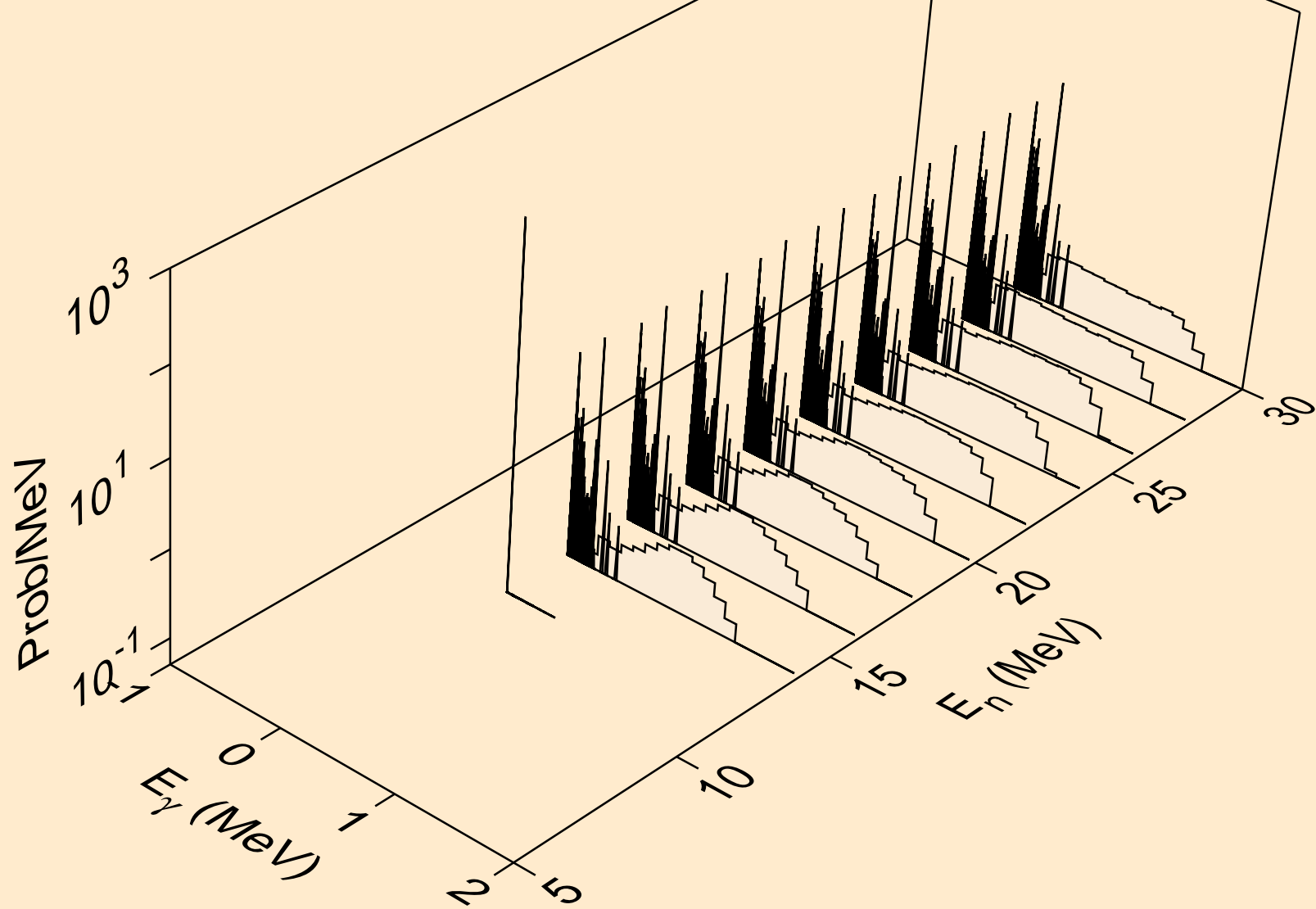
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



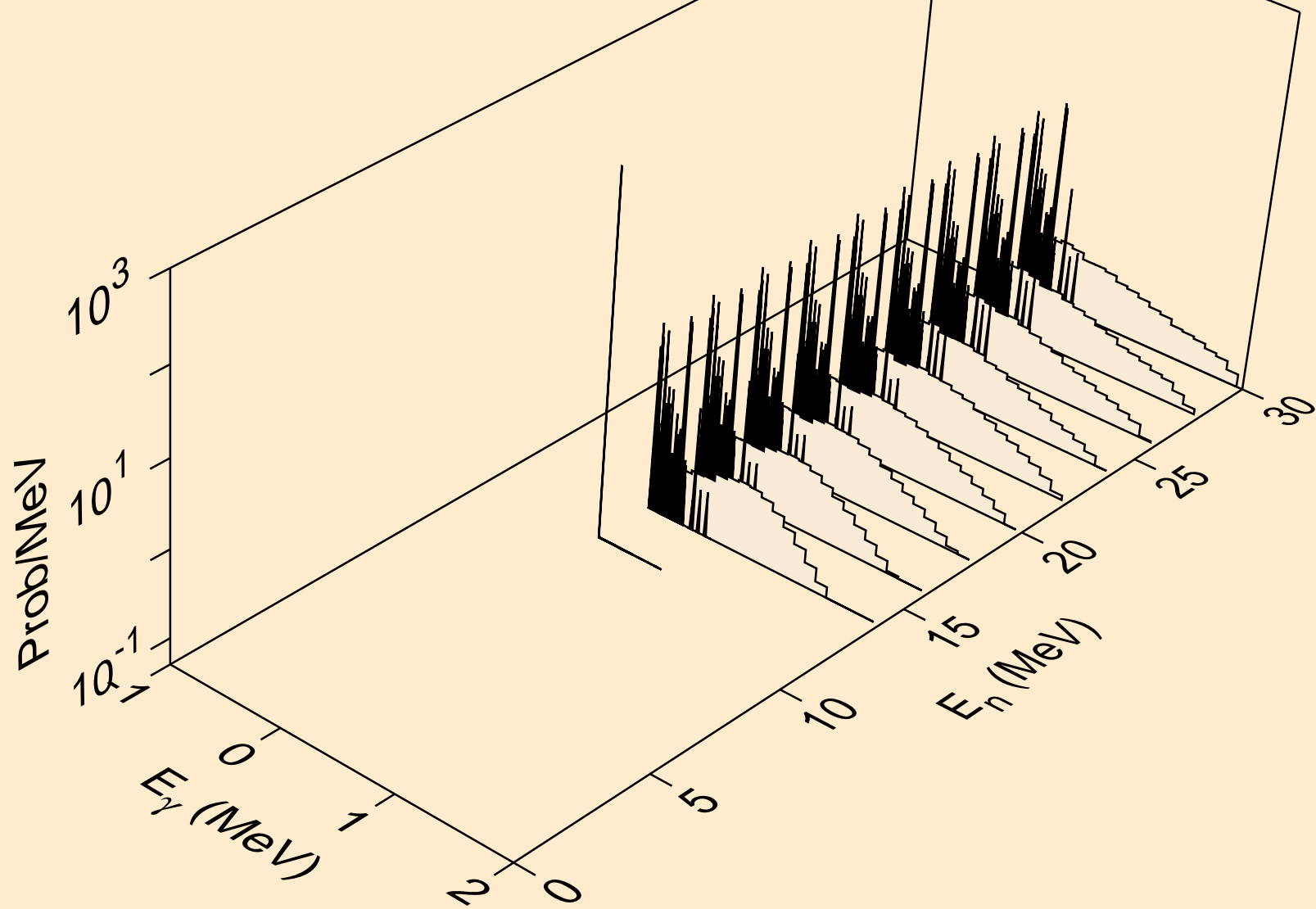
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Photon emission for (n,d)



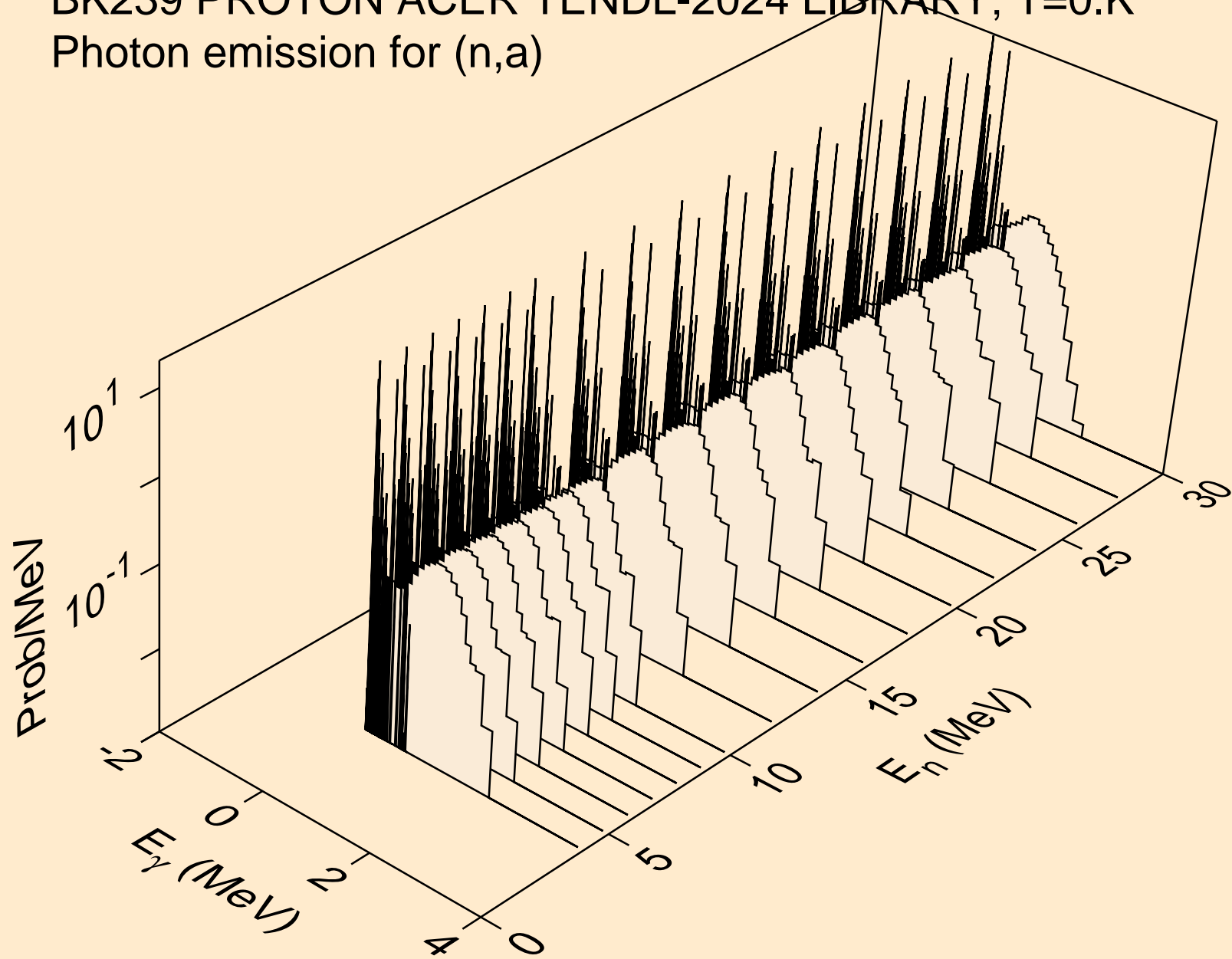
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Photon emission for (n,t)



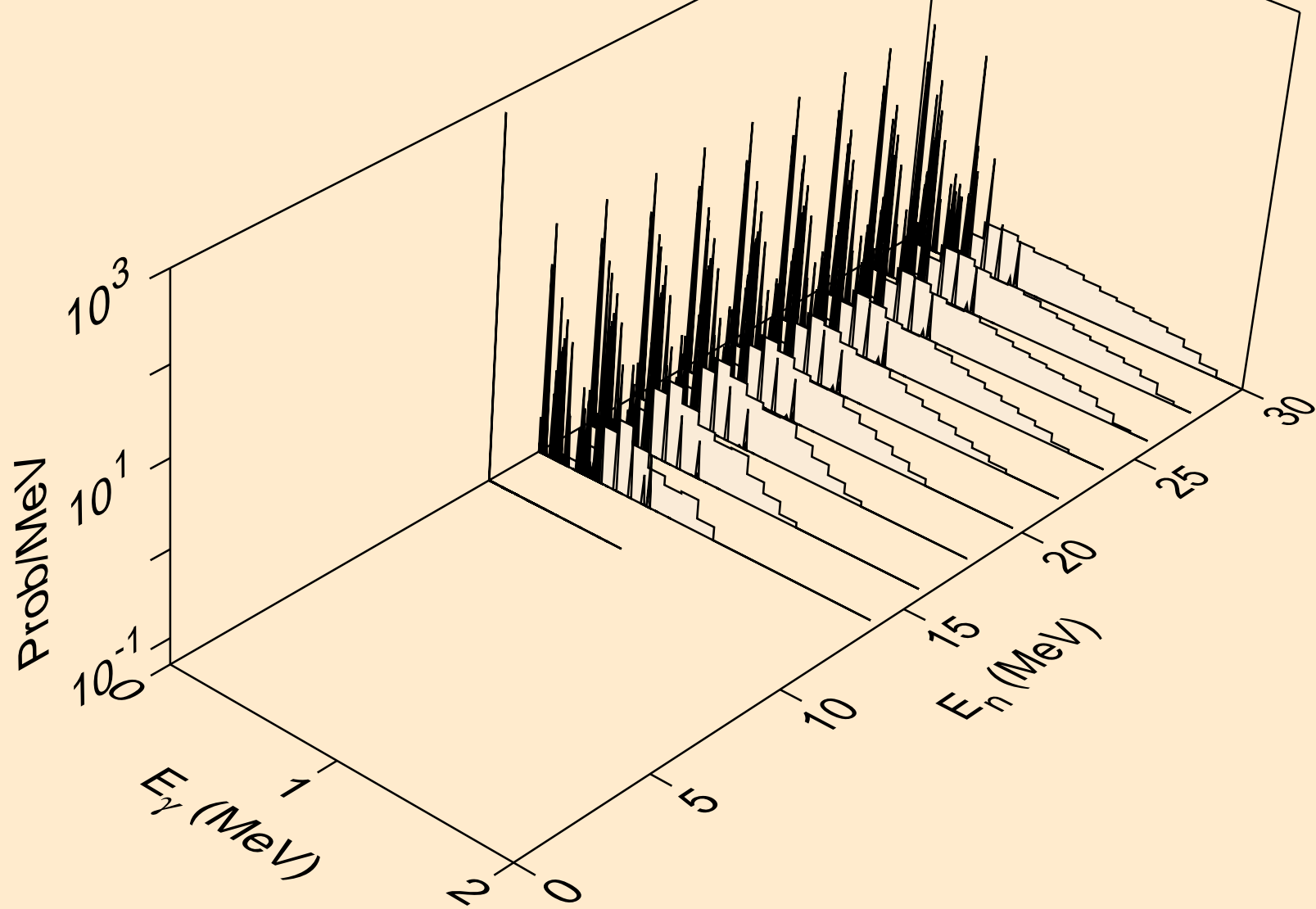
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Photon emission for (n,he3)



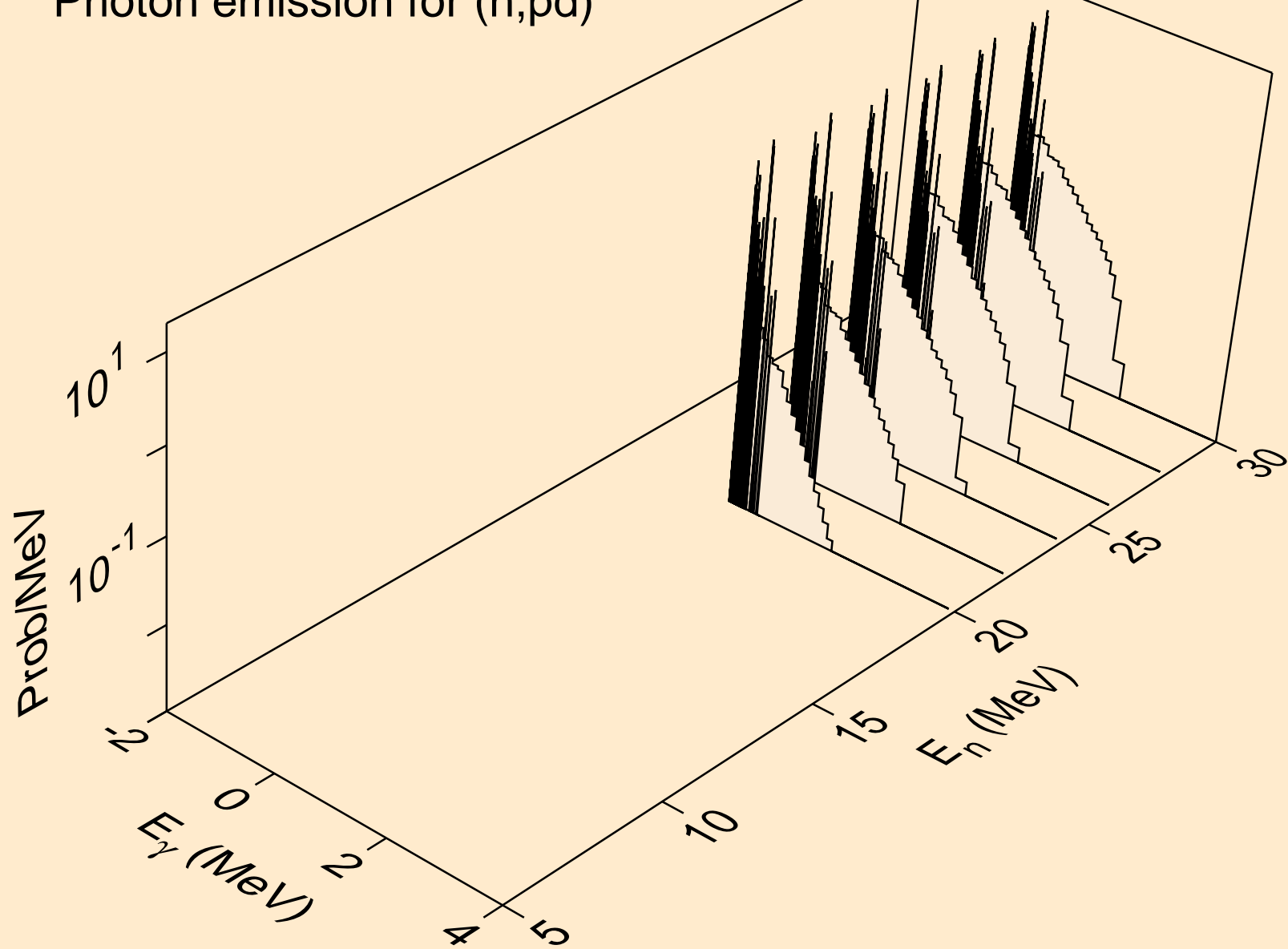
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

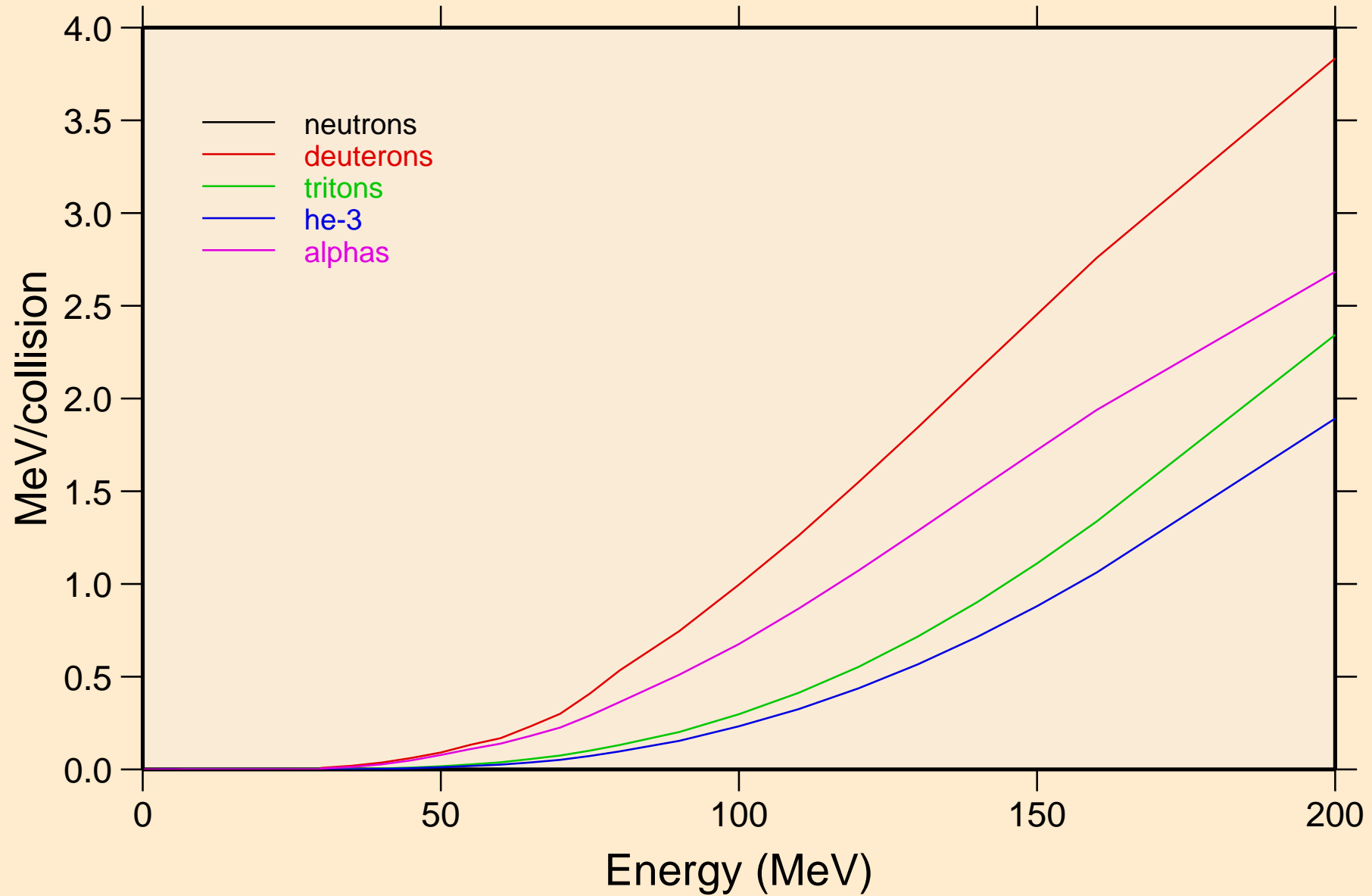


BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

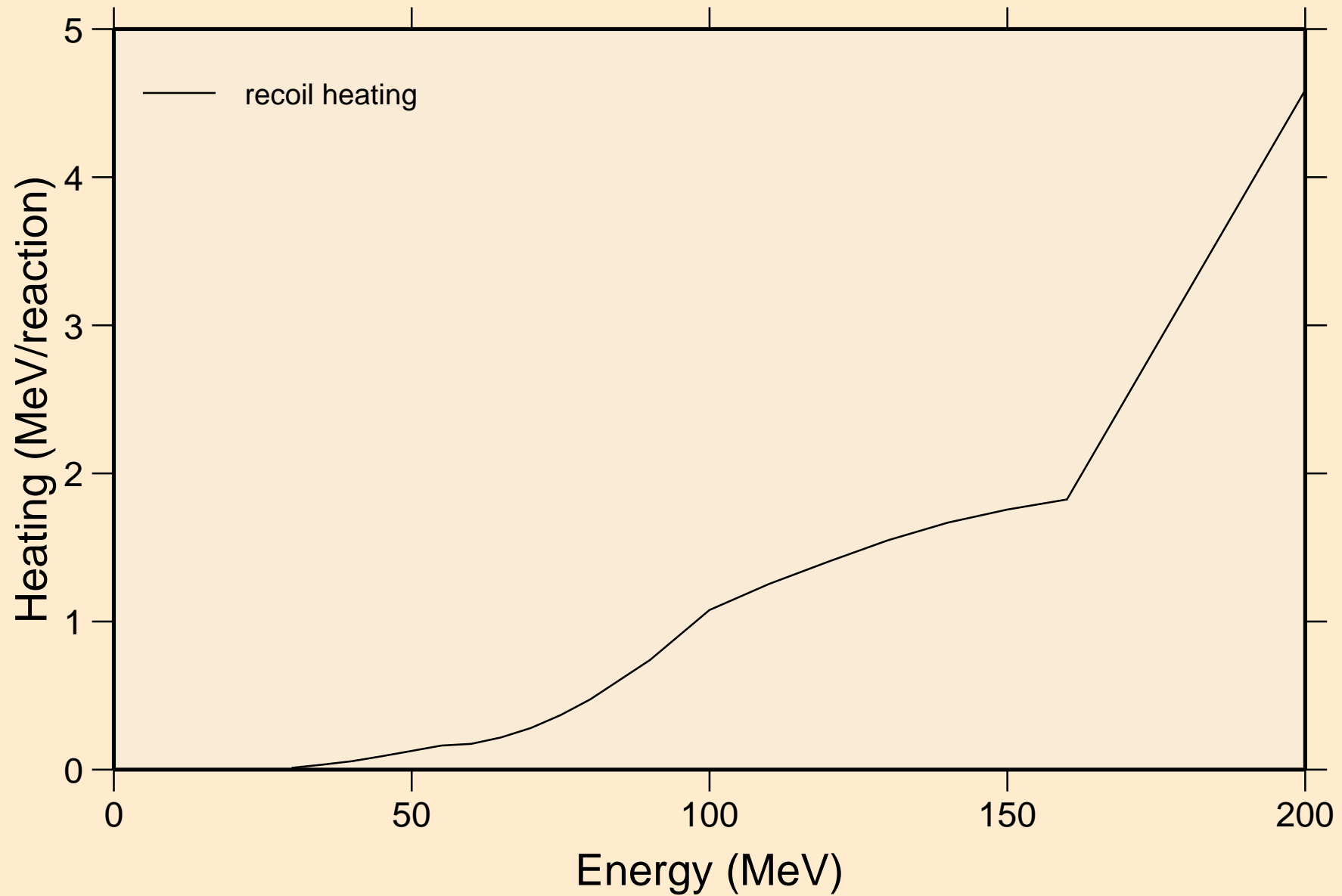


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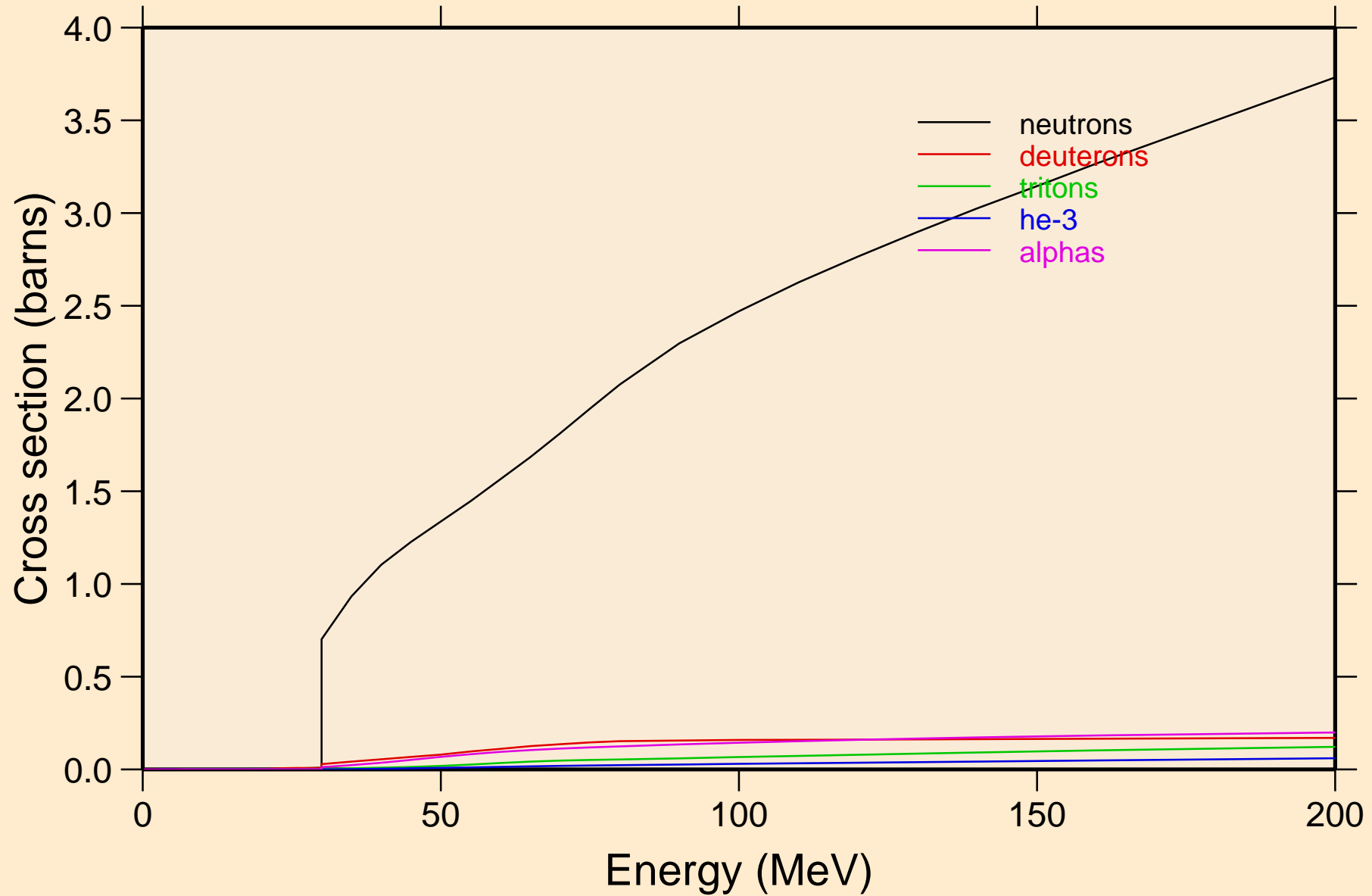
## Particle heating contributions



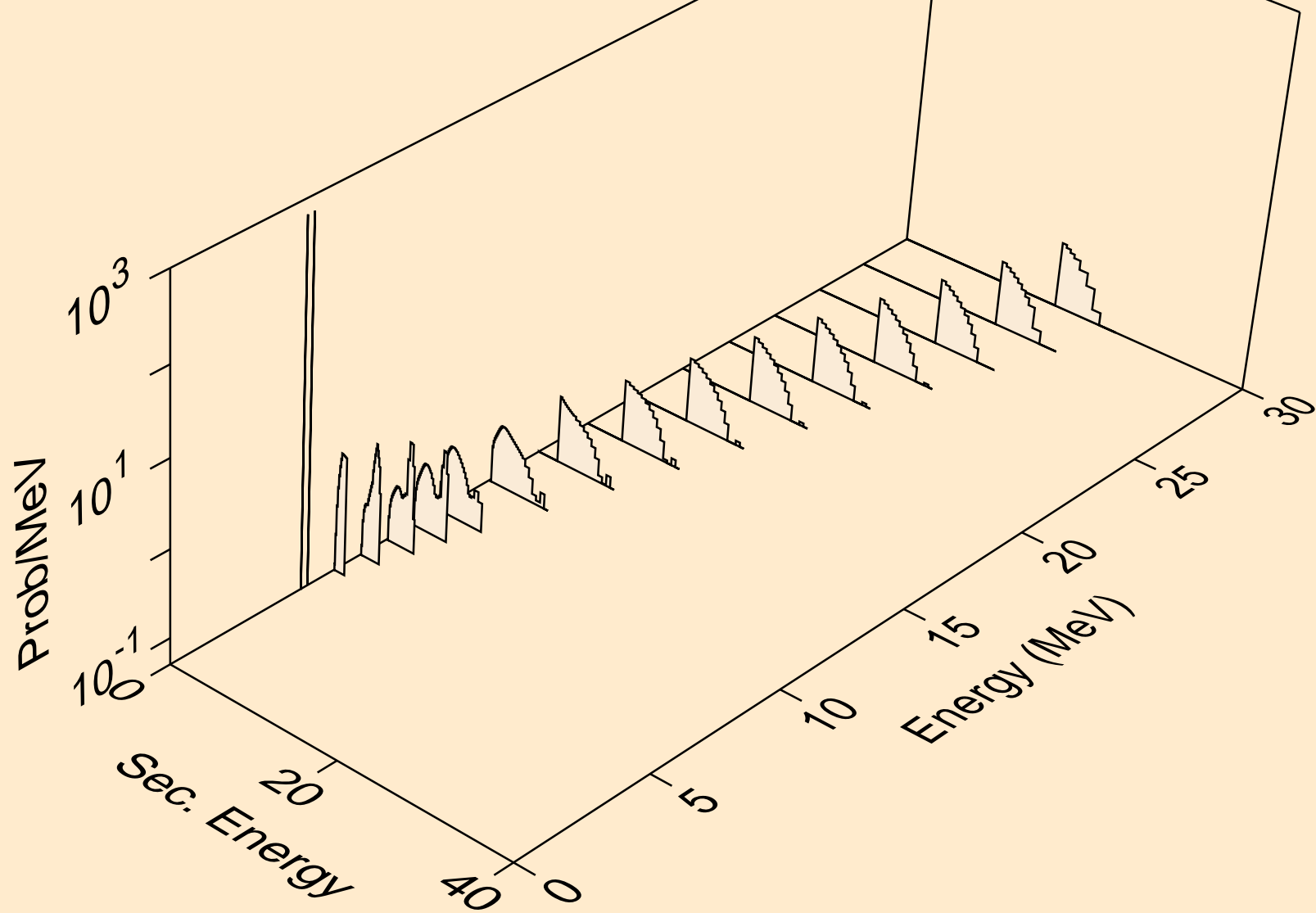
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



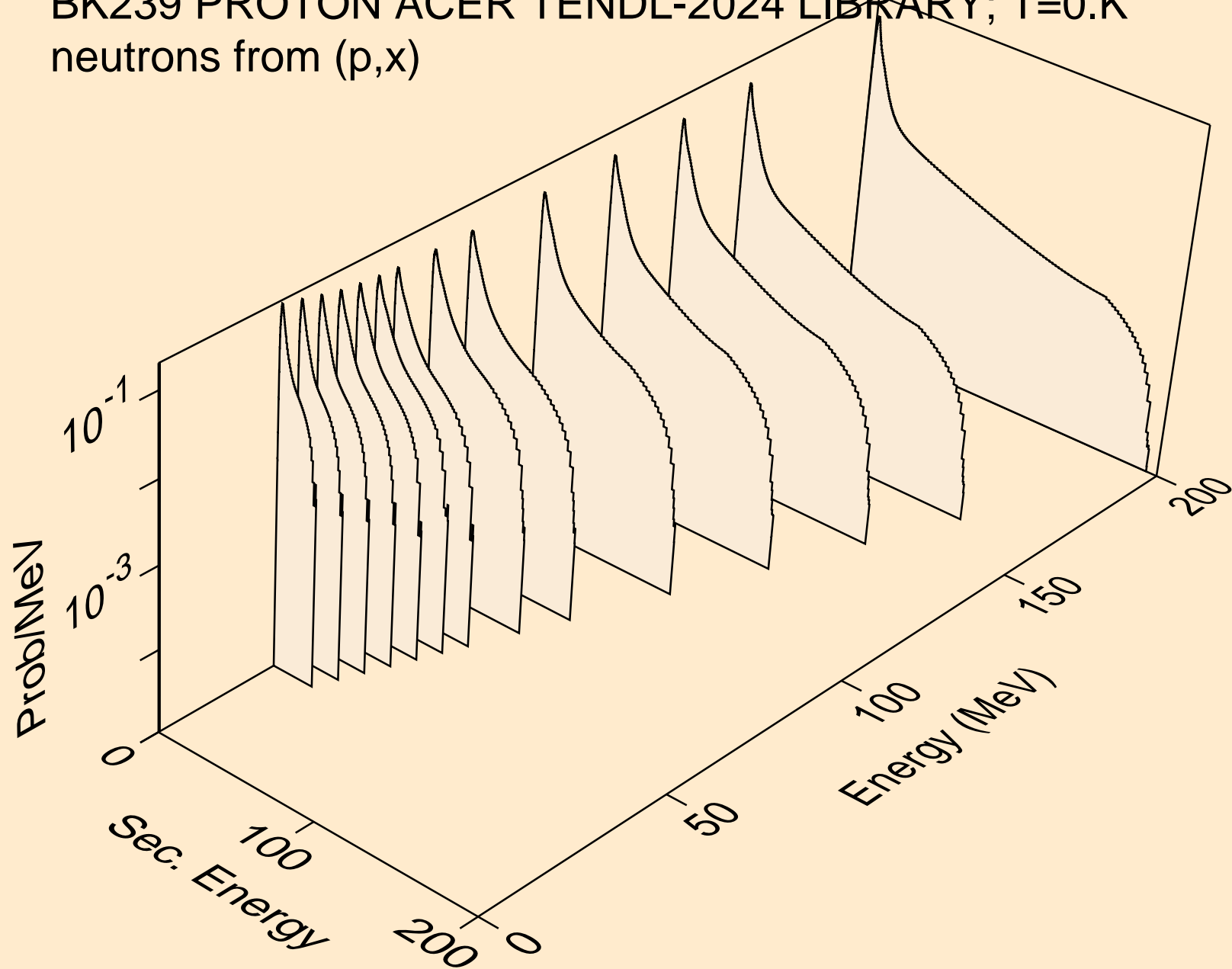
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



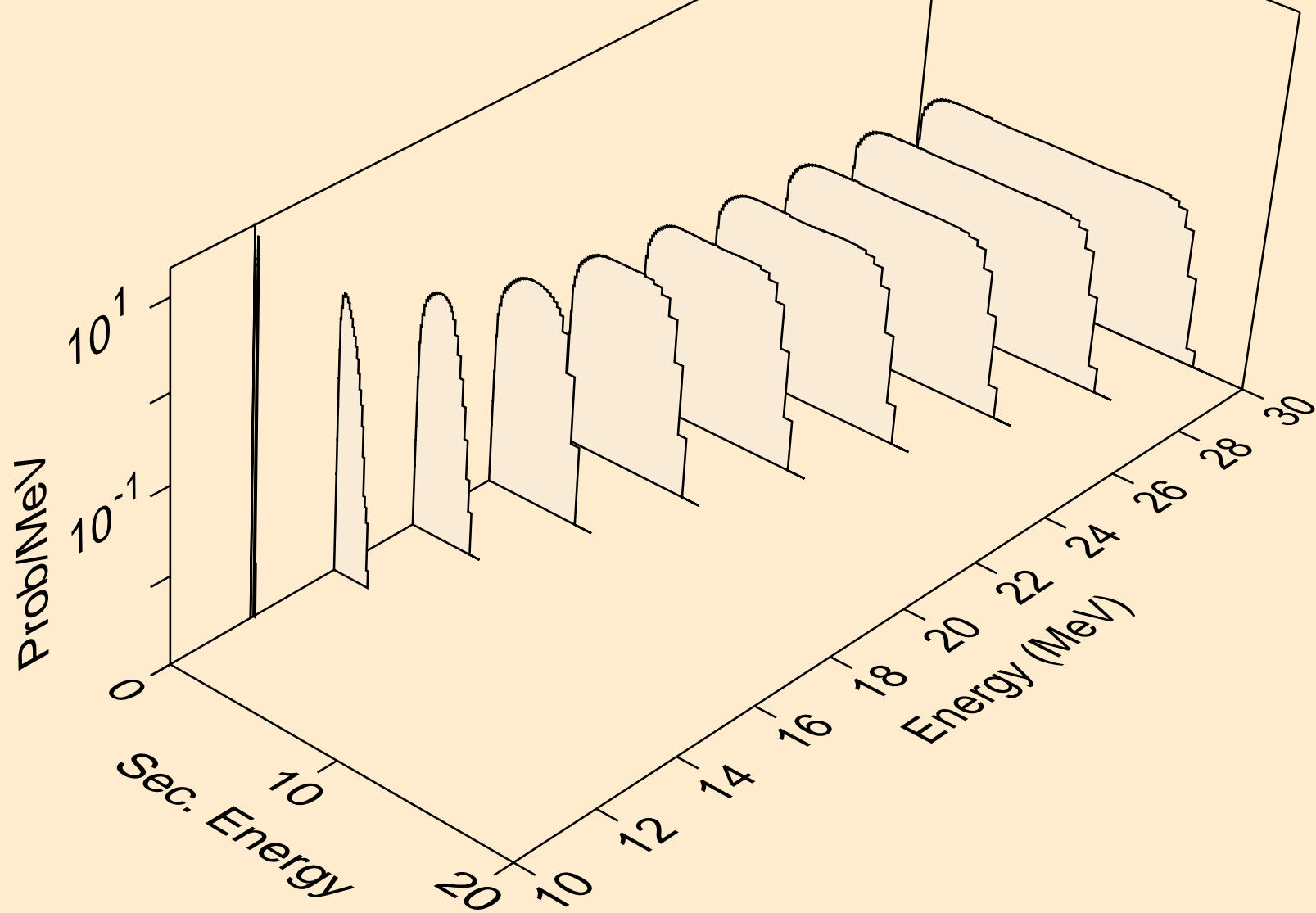
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



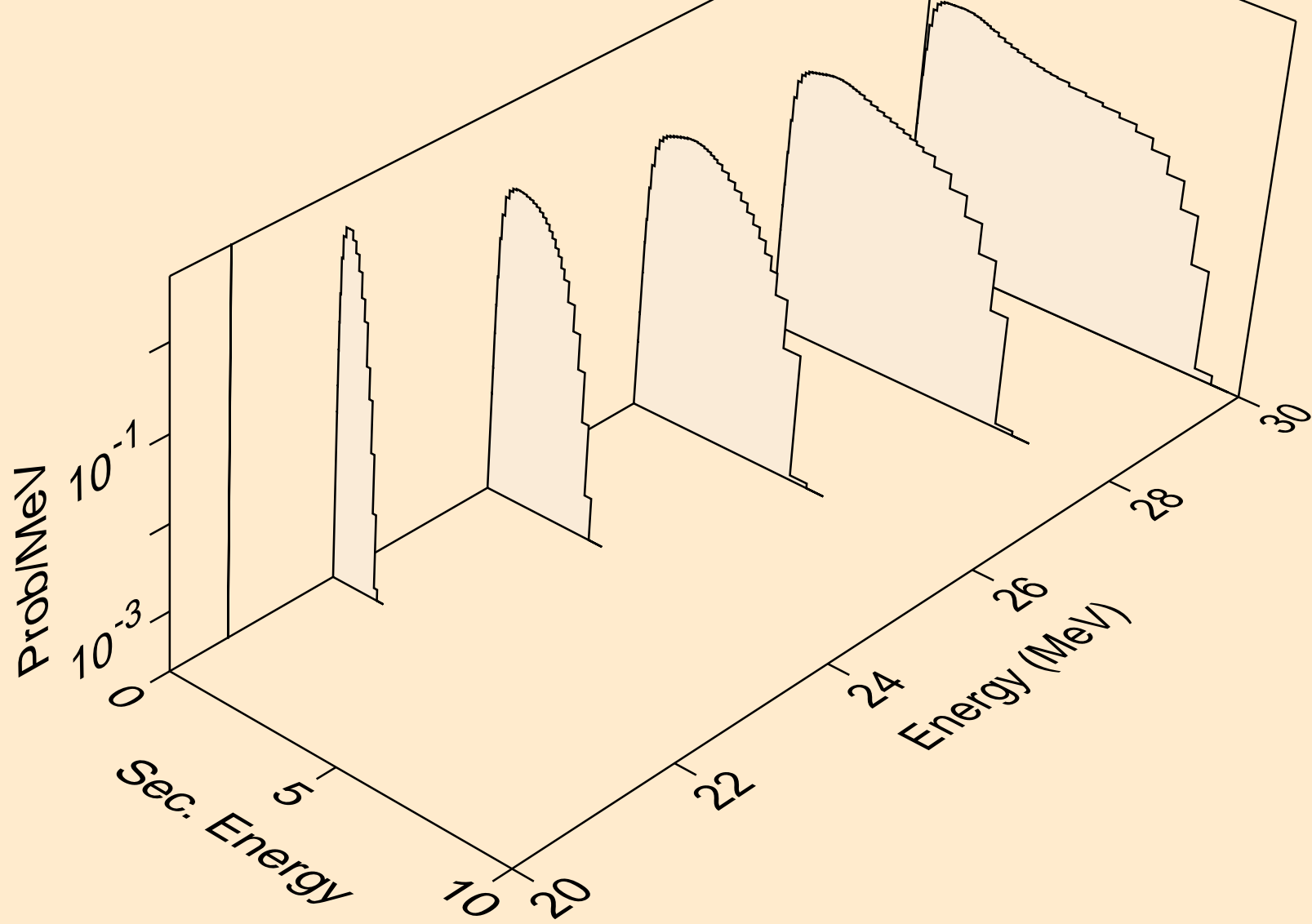
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



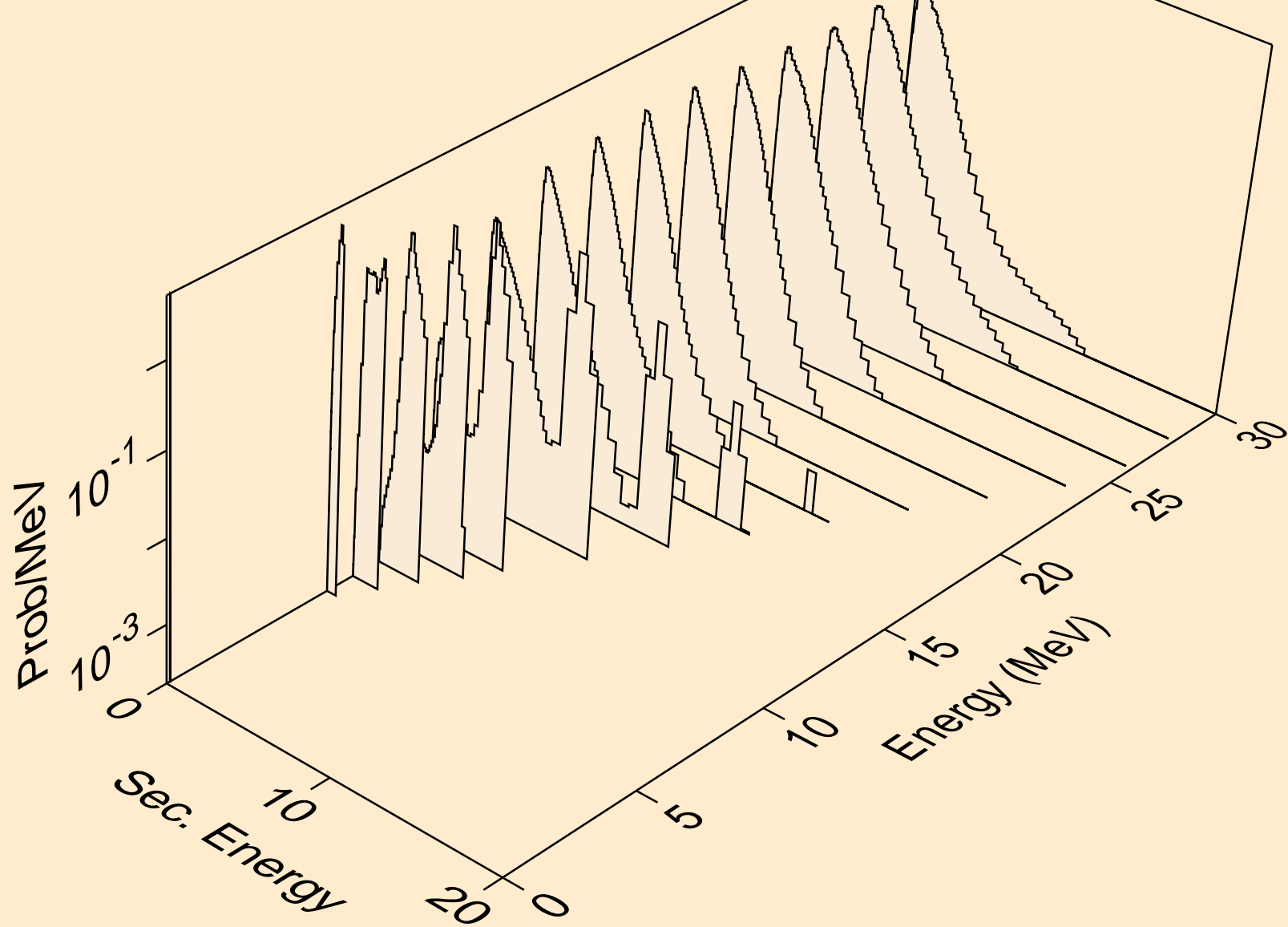
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



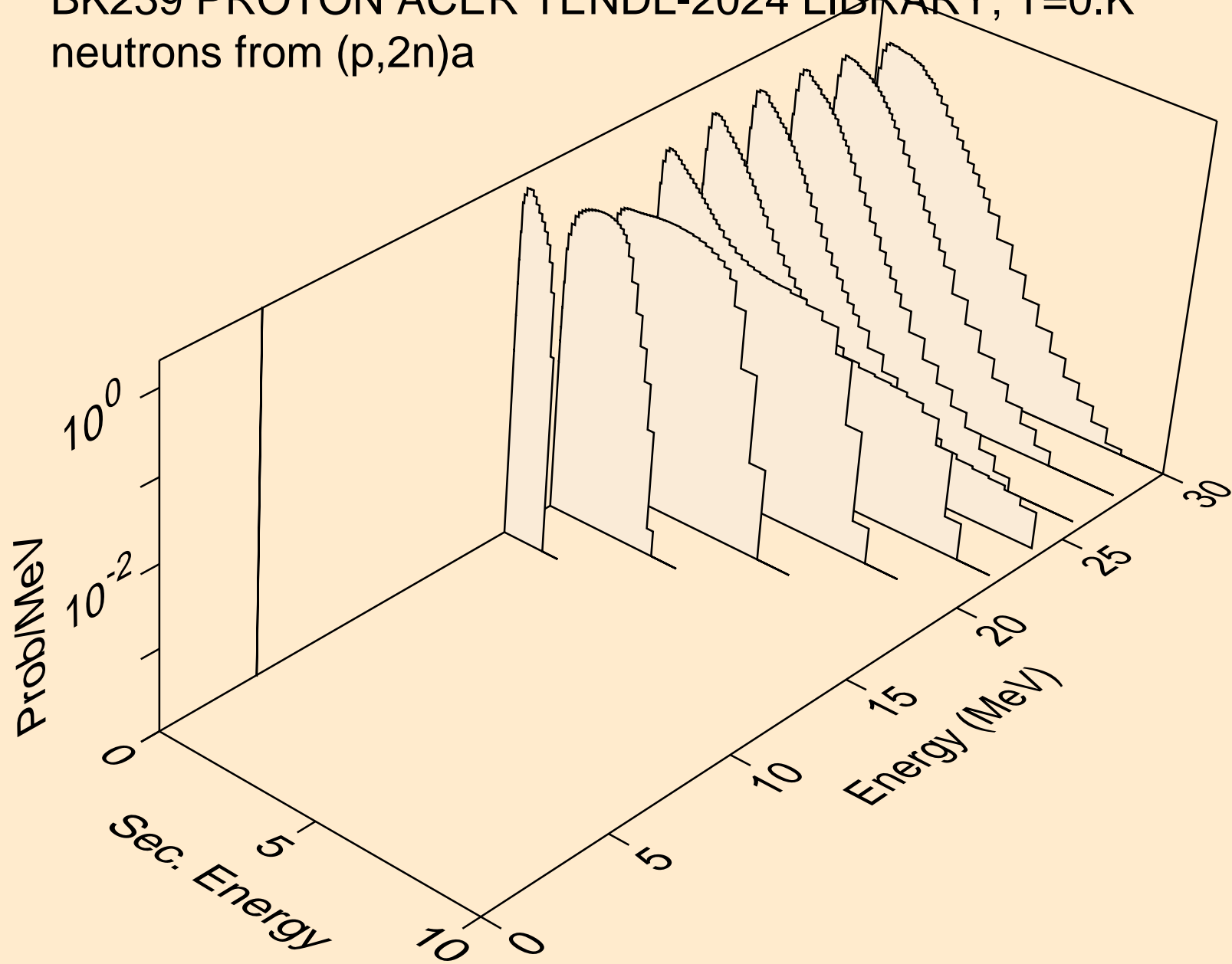
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



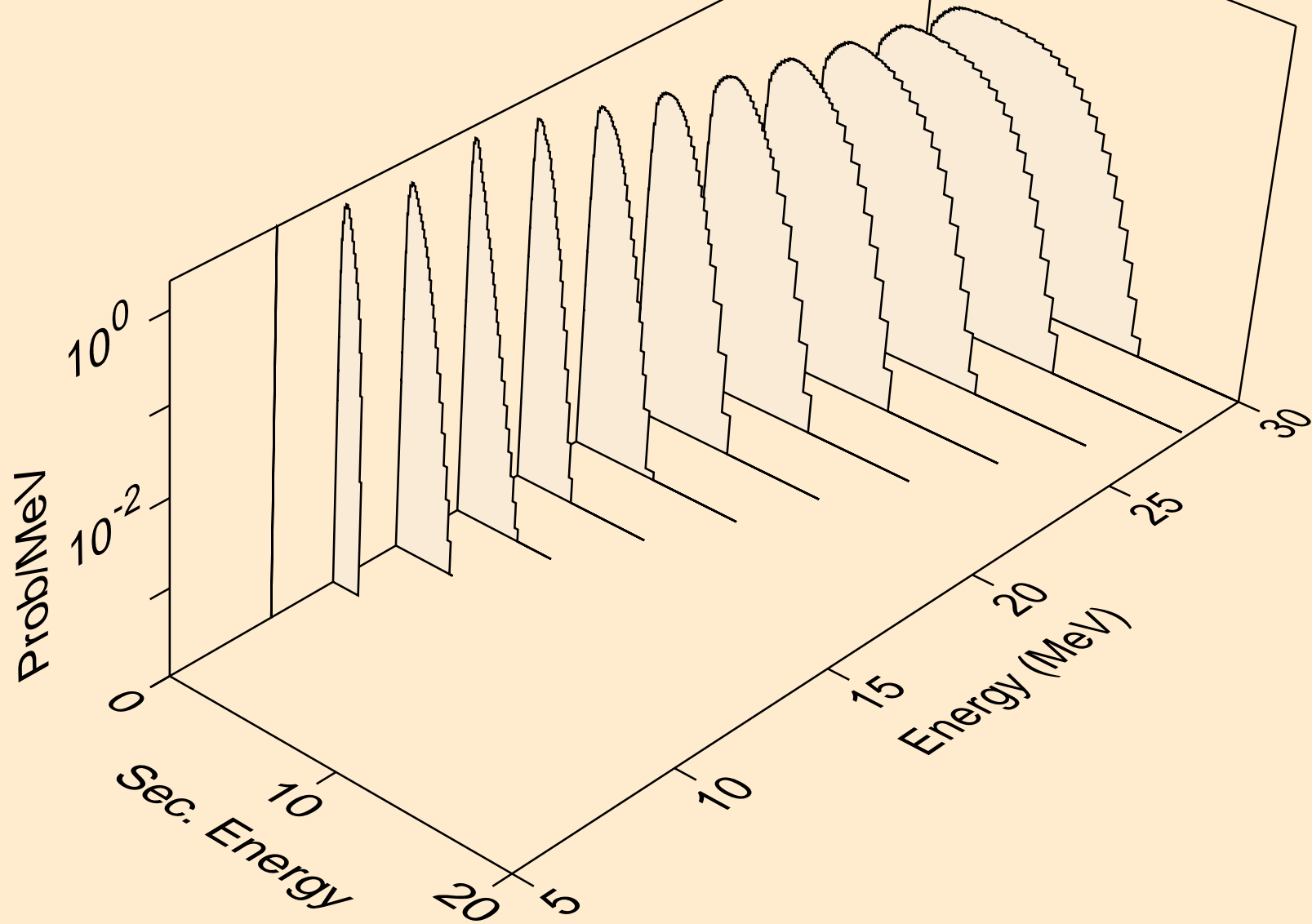
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



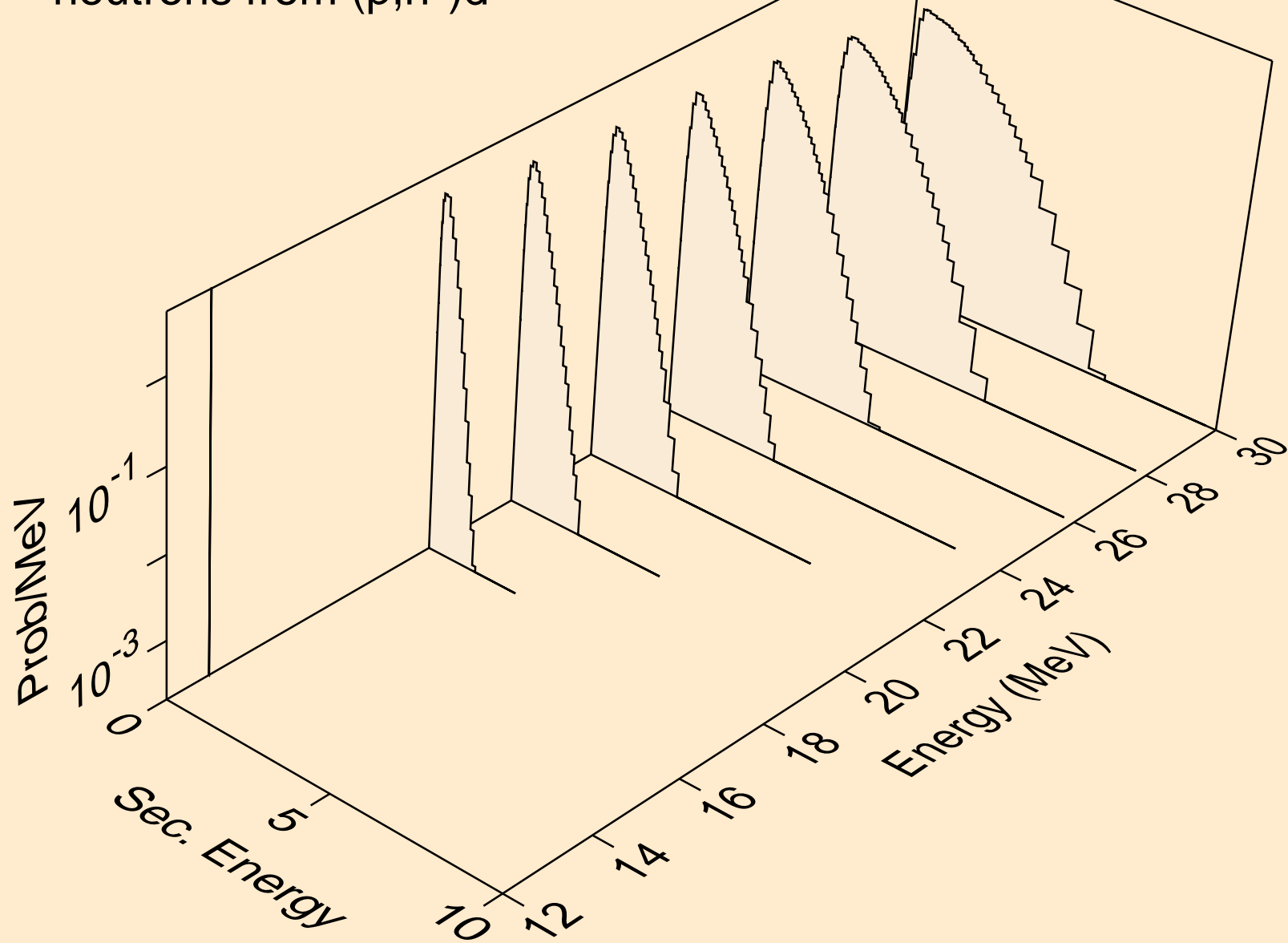
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neutrons from (p,2n)a



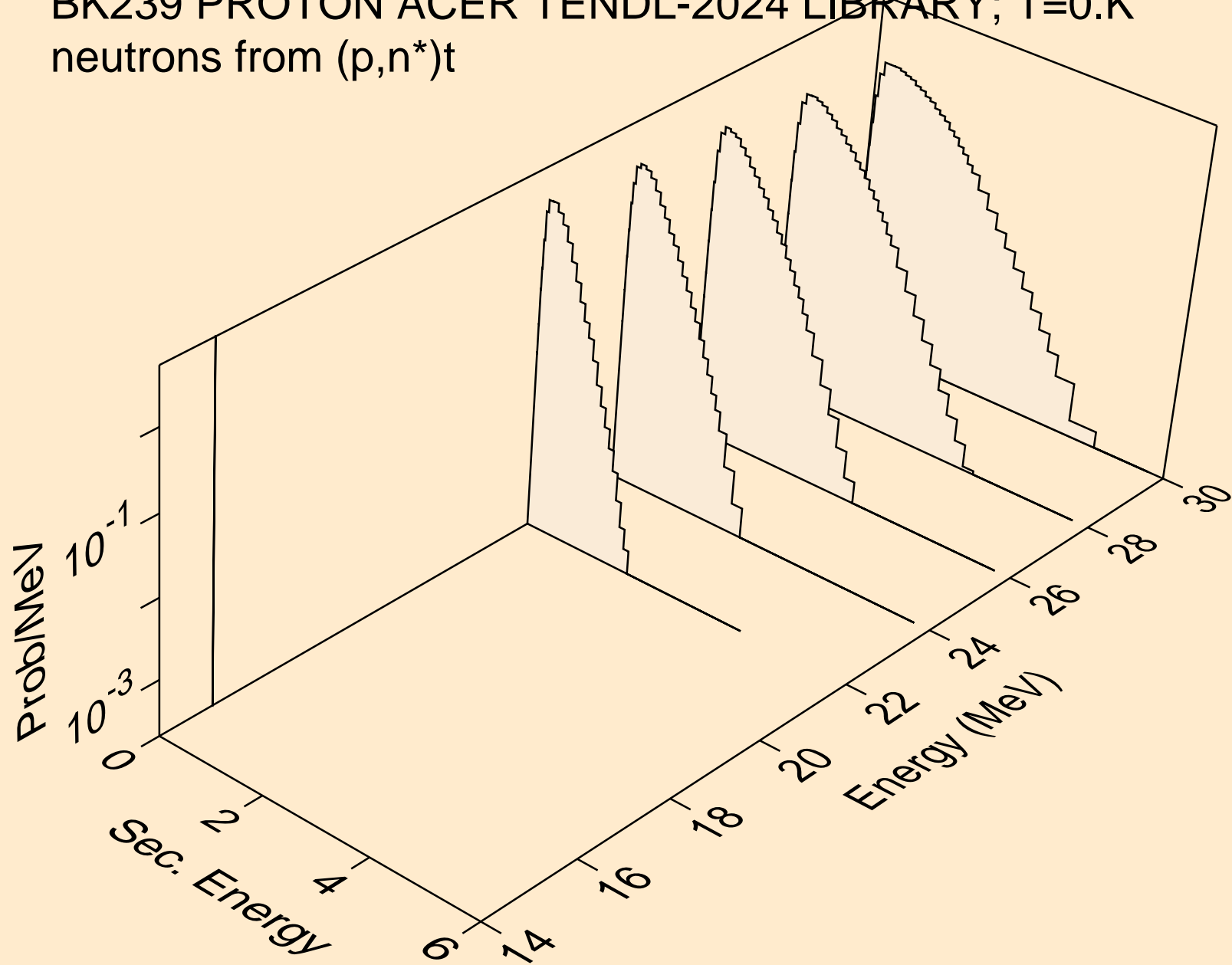
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



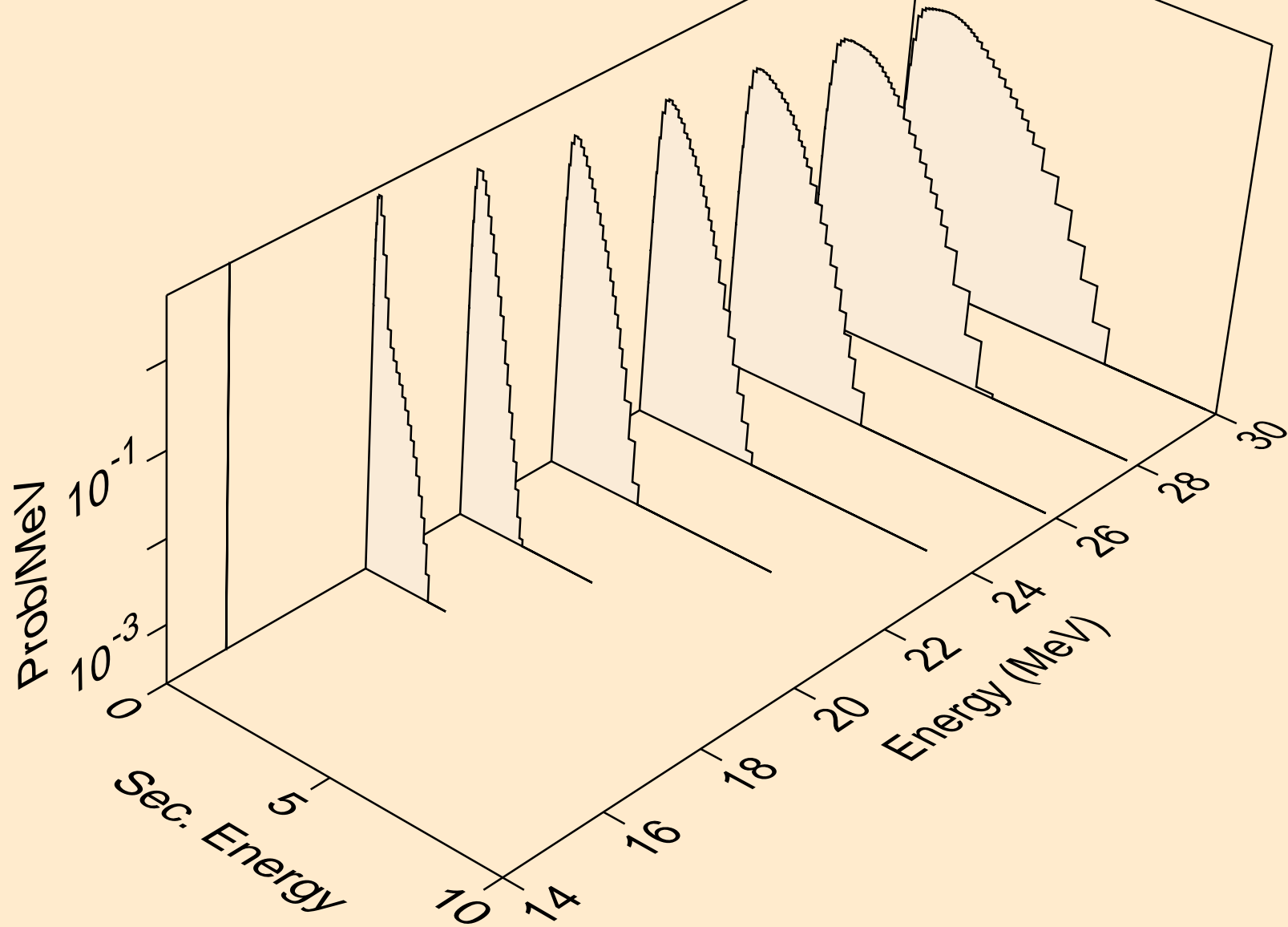
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



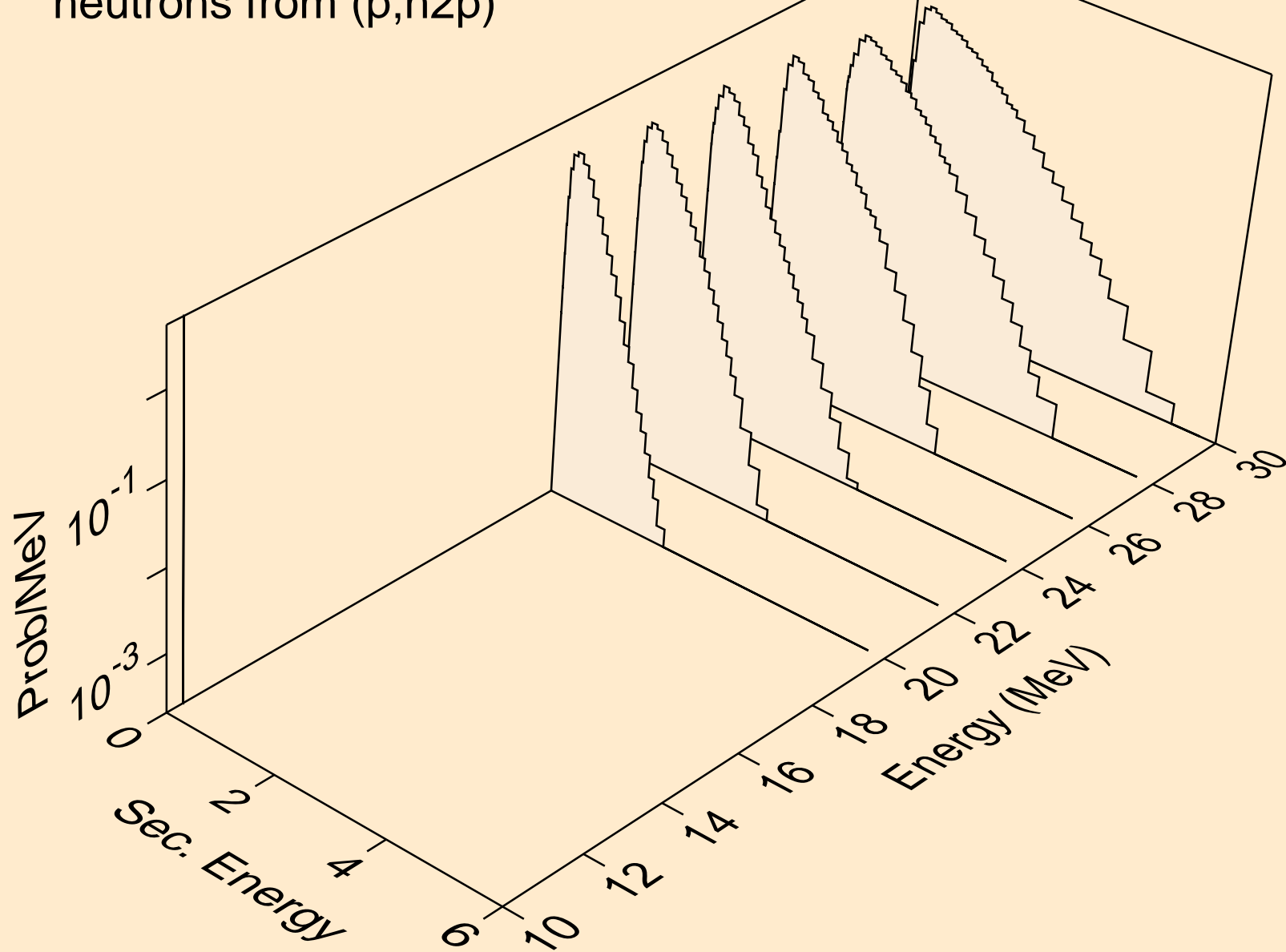
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



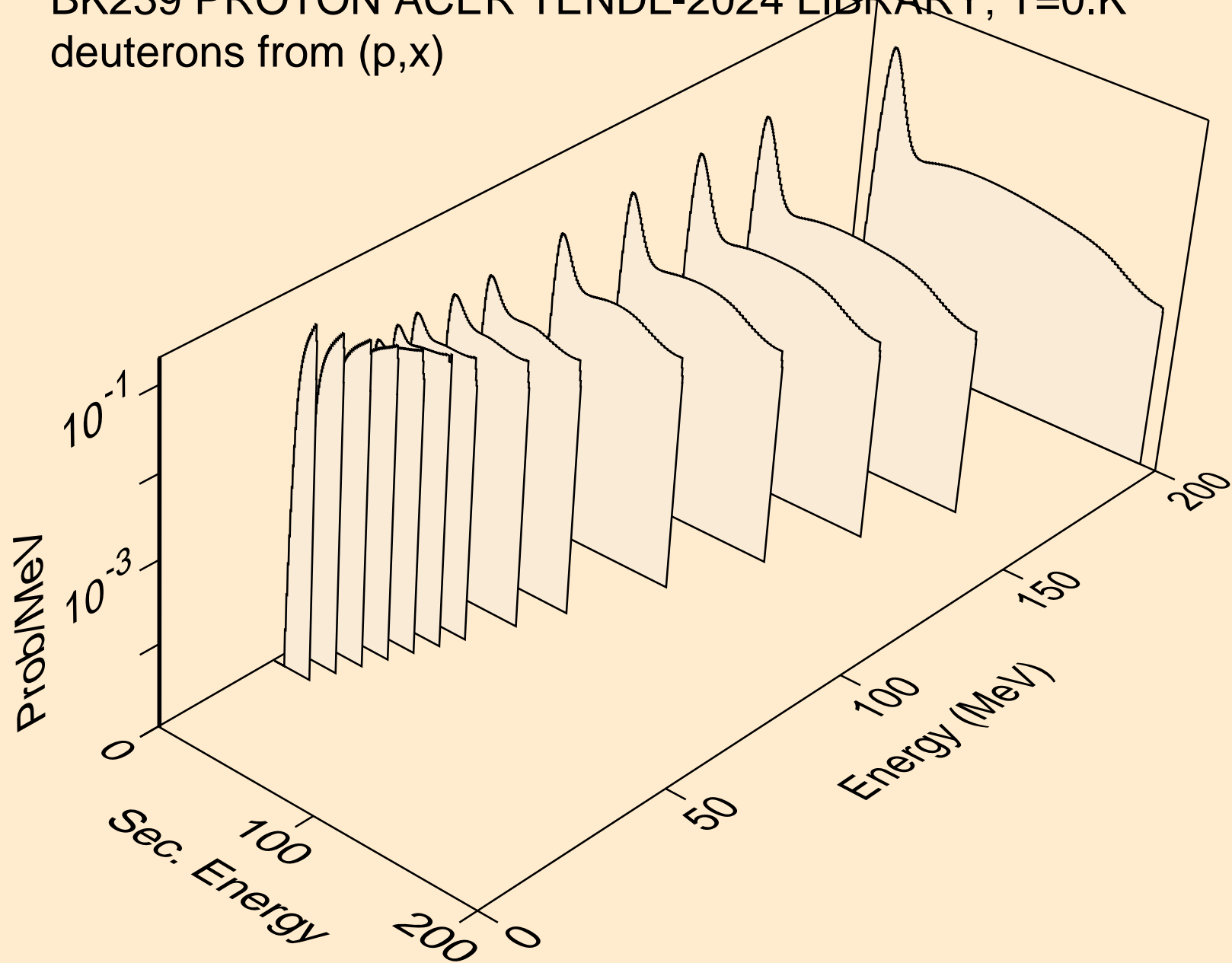
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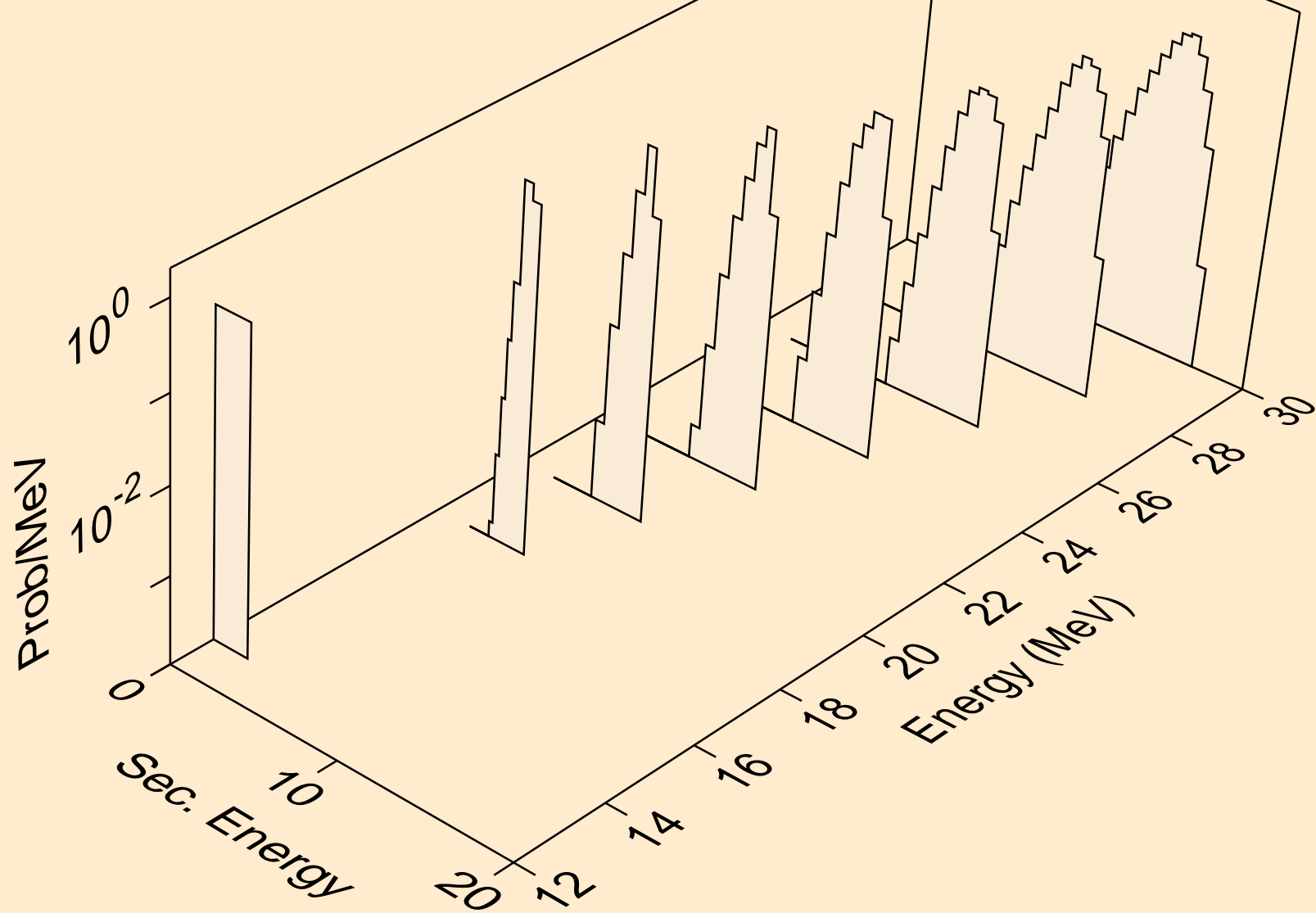
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neutrons from (p,n2p)



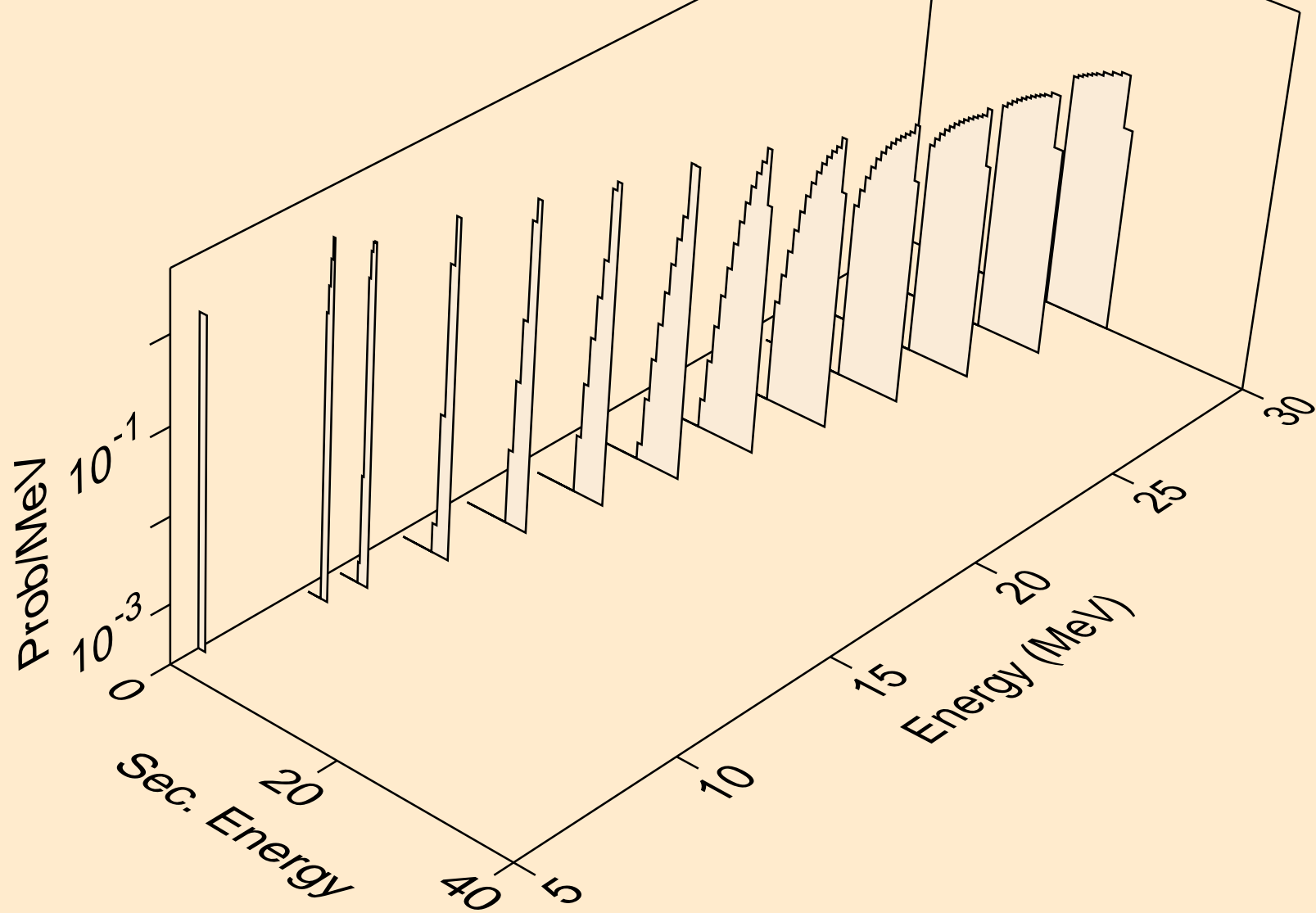
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deuterons from (p,x)



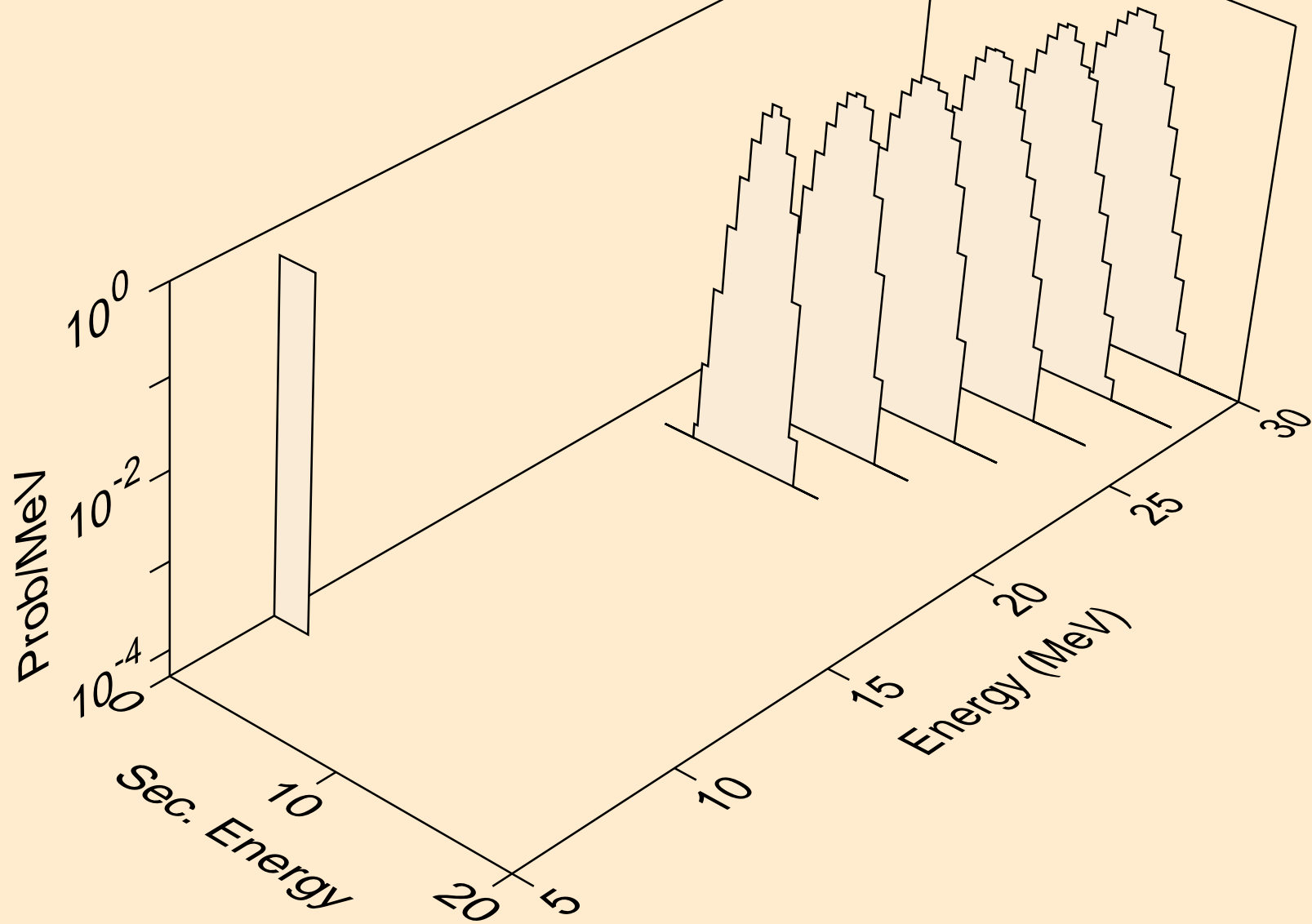
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deuterons from (p,n\*)d



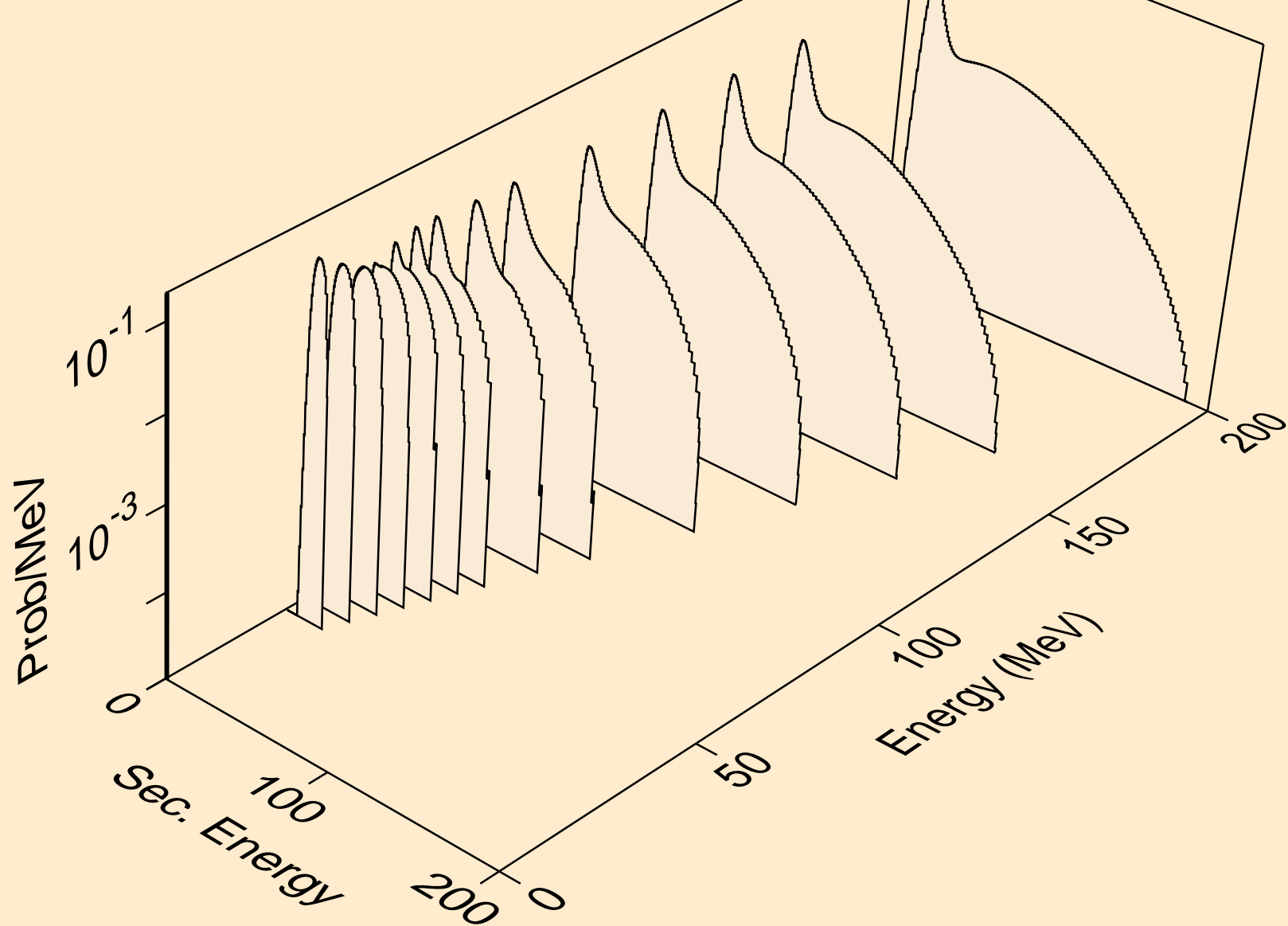
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)

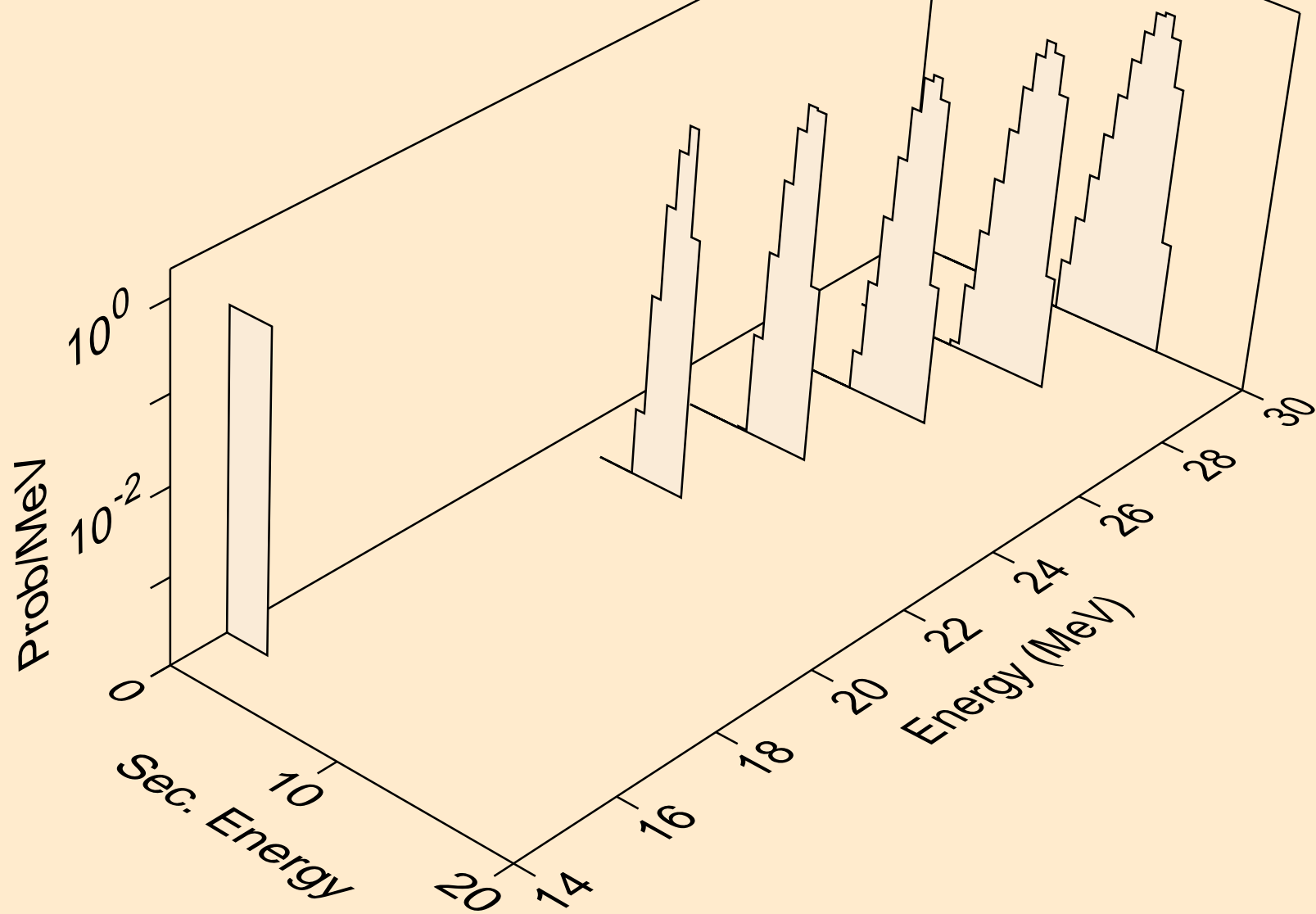


BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)

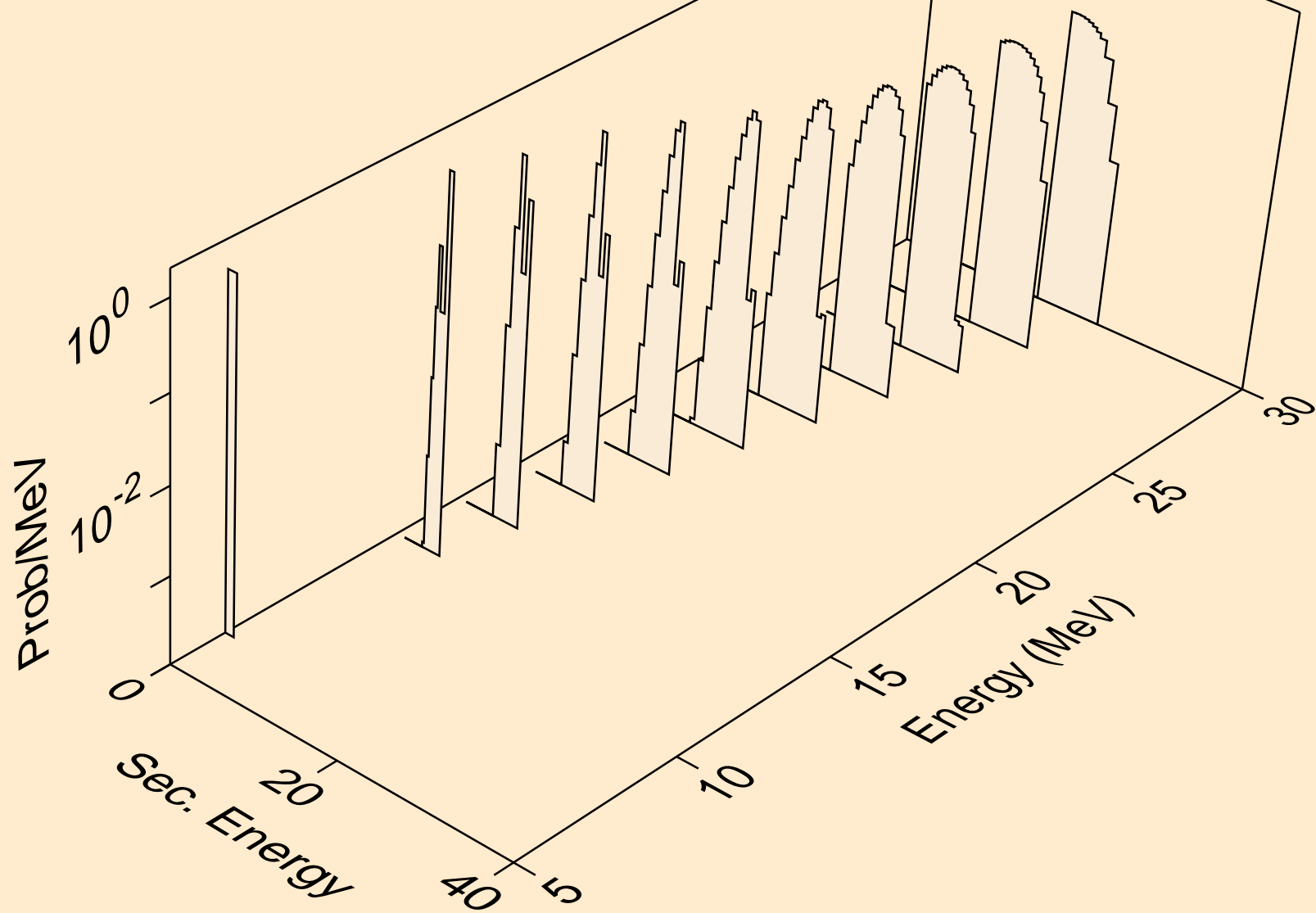


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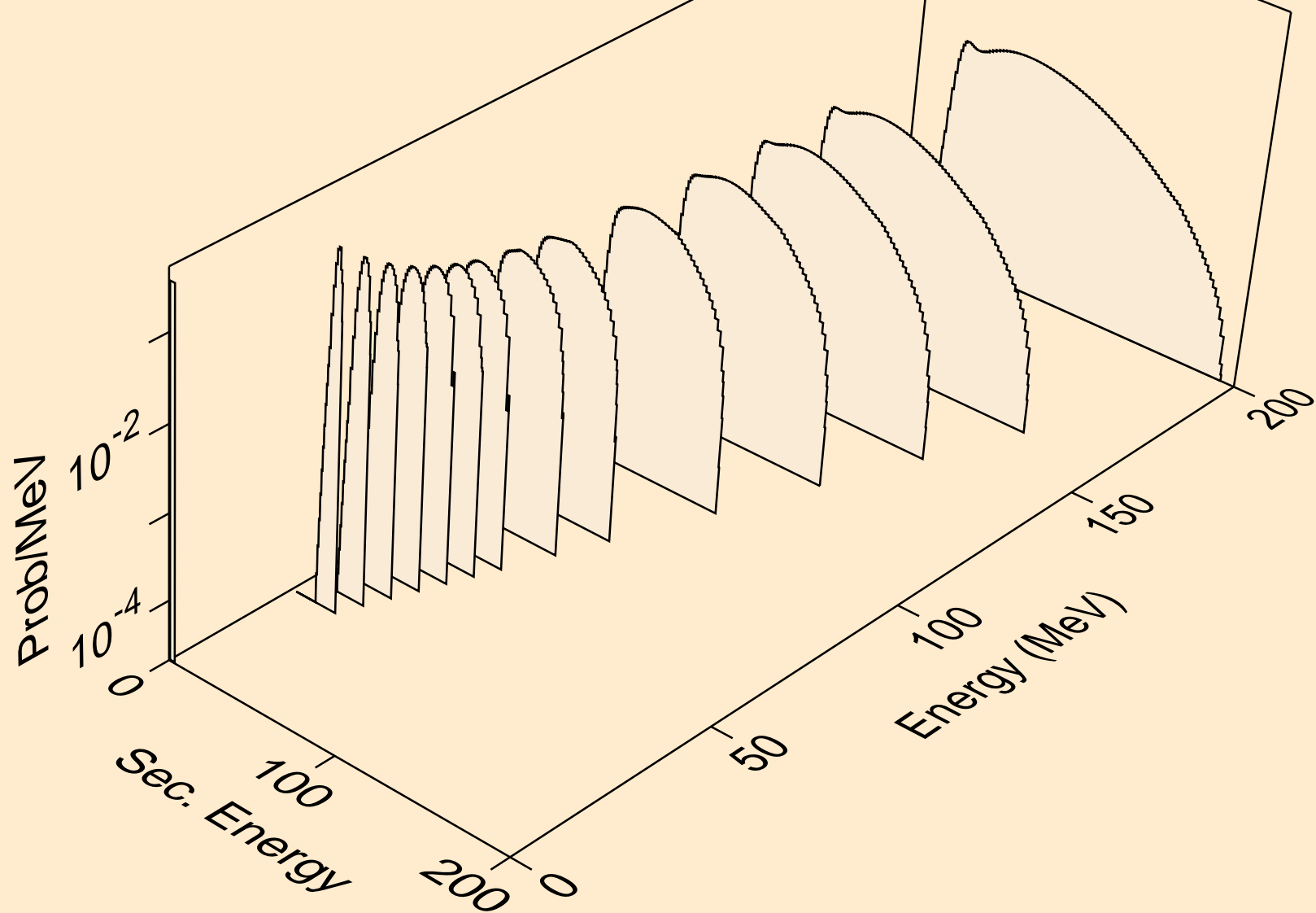
tritons from (p,n\*)t



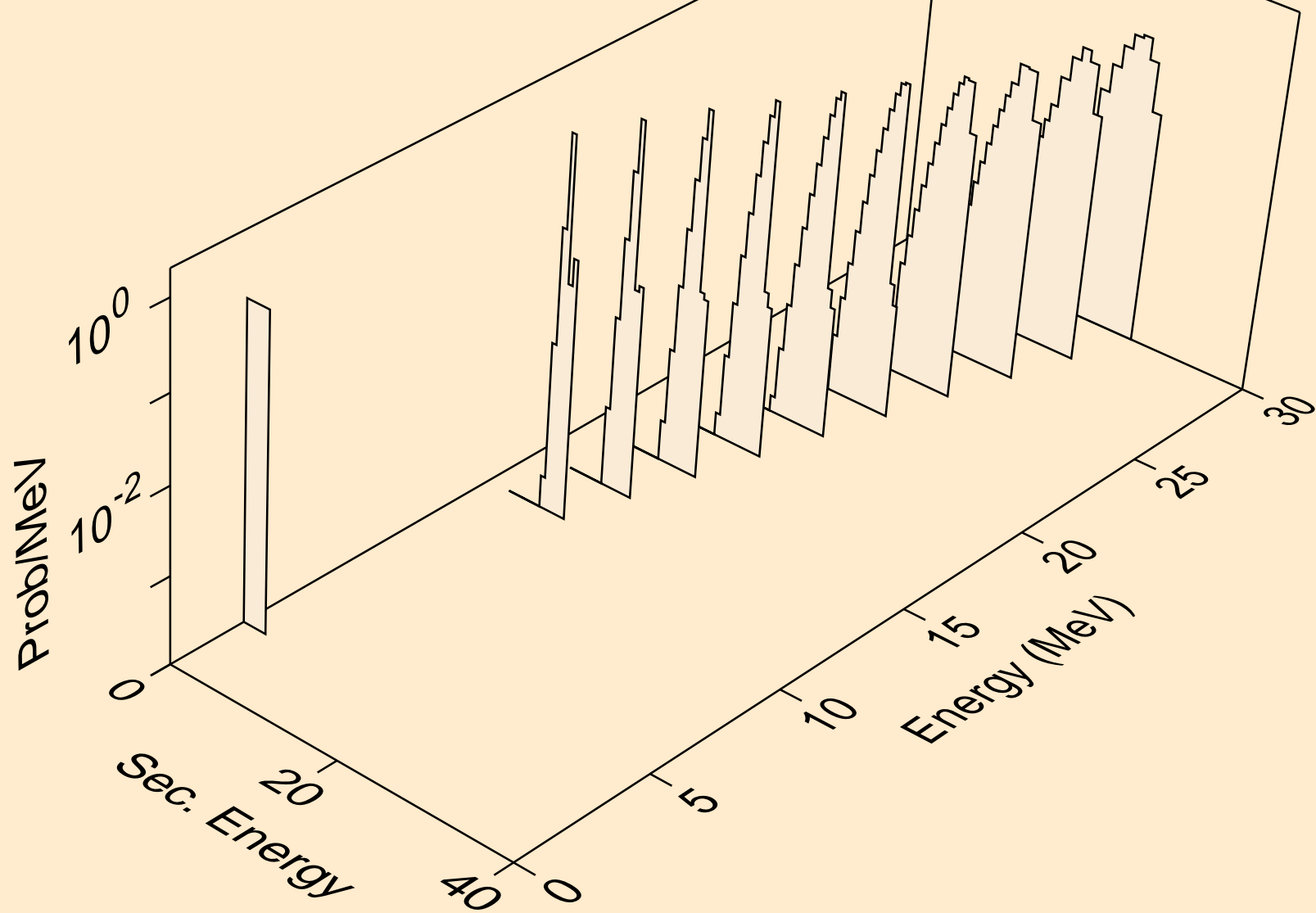
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tritons from (p,t)



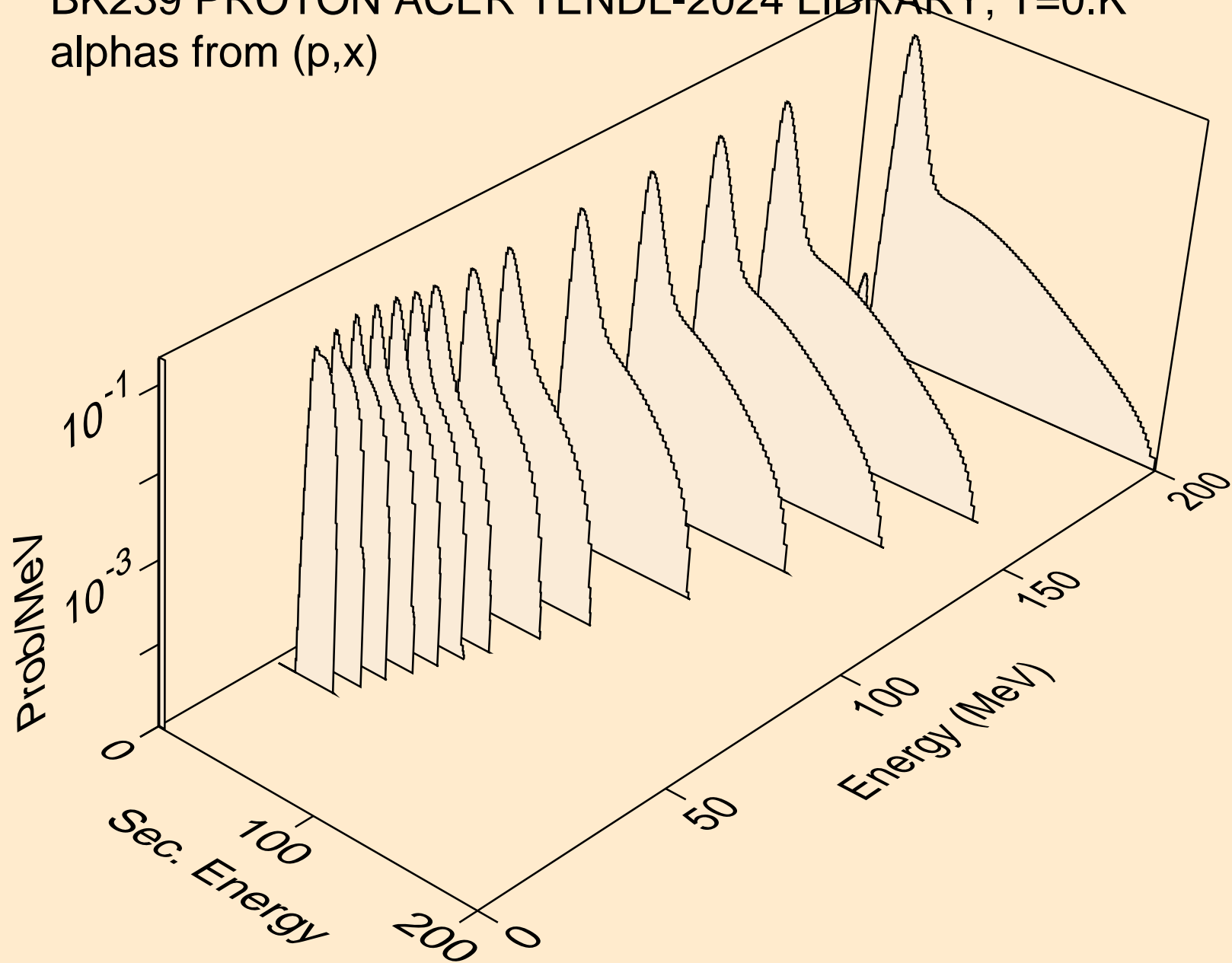
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



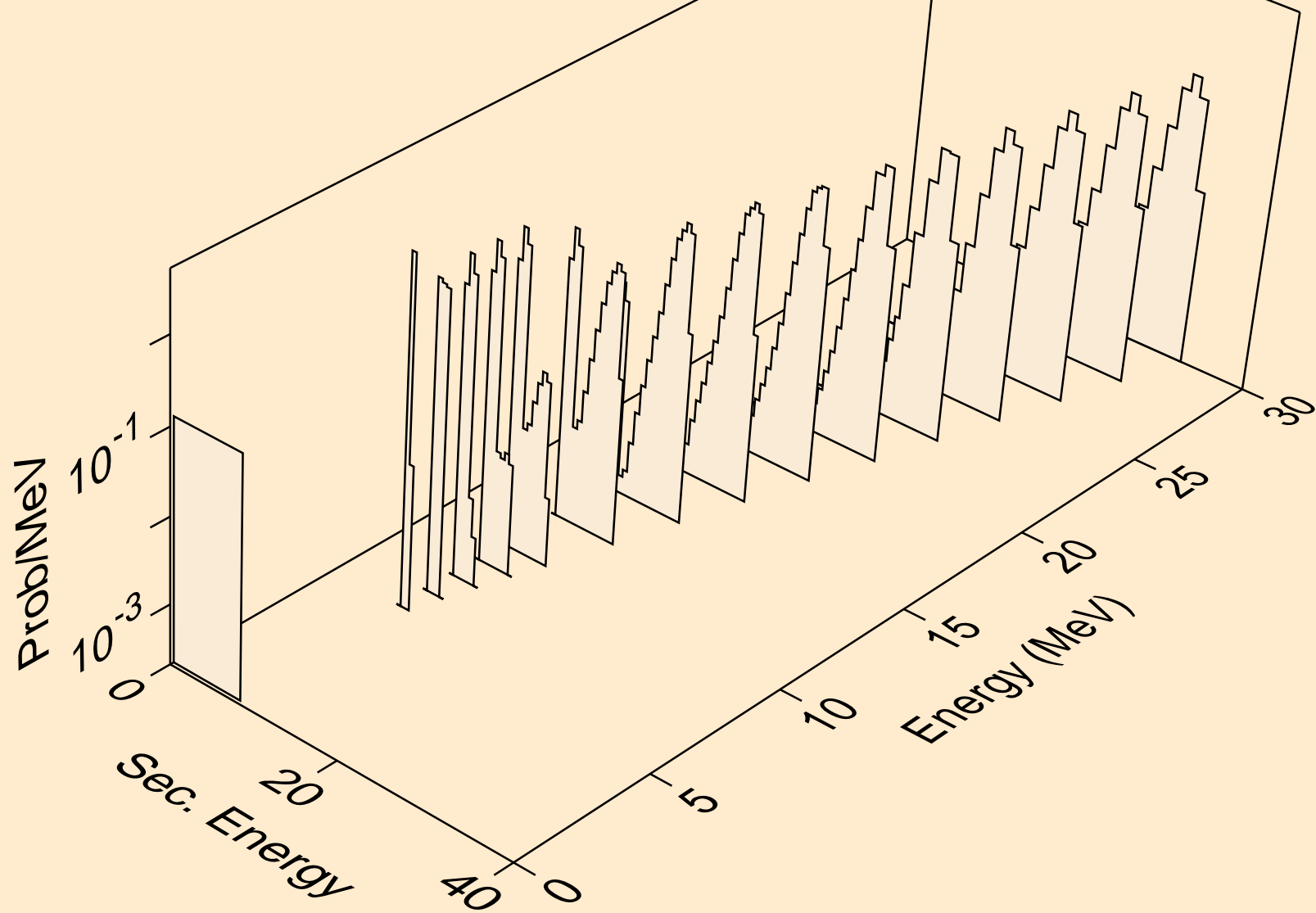
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he3s from (p,he3)



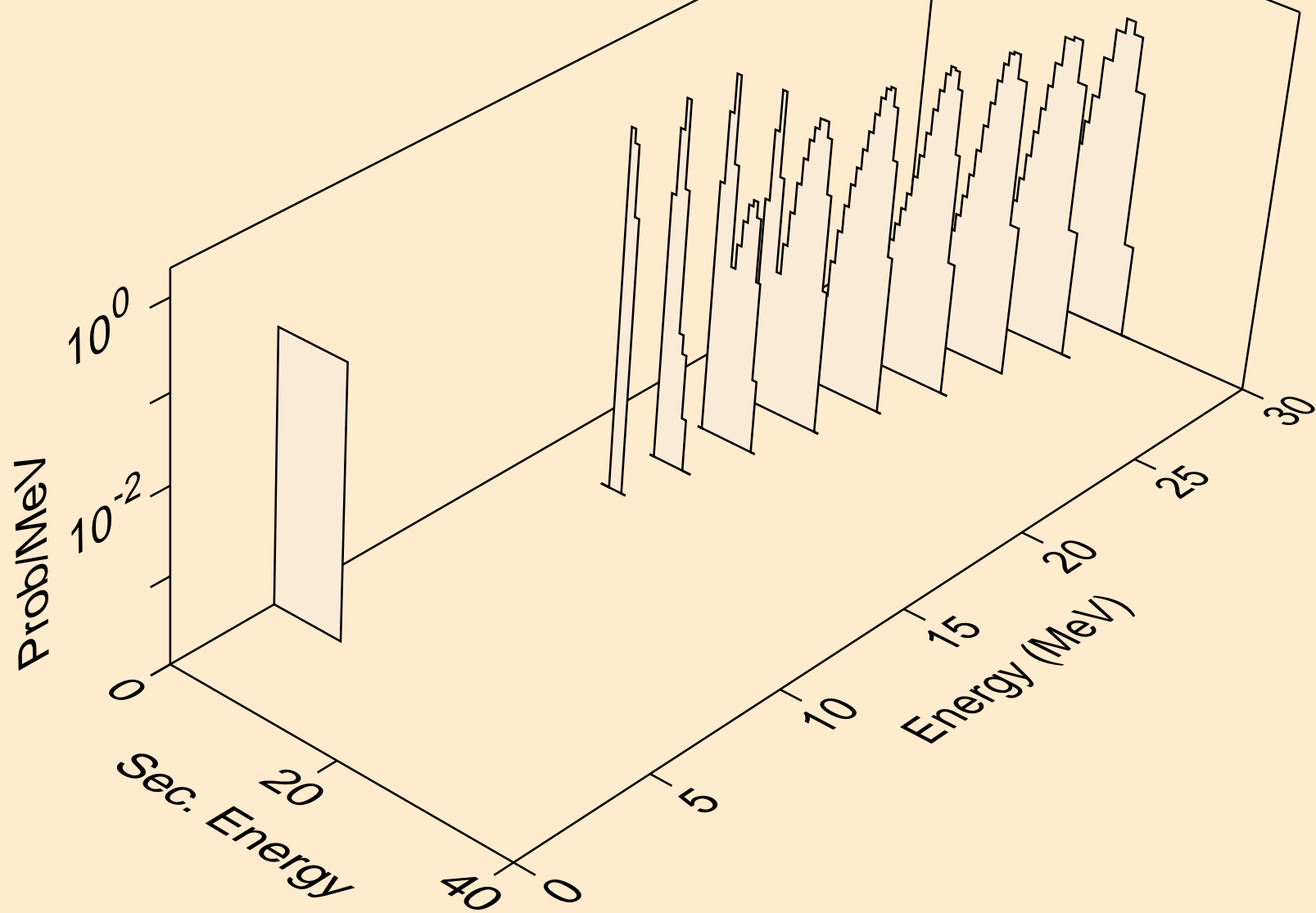
BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



BK239 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)

