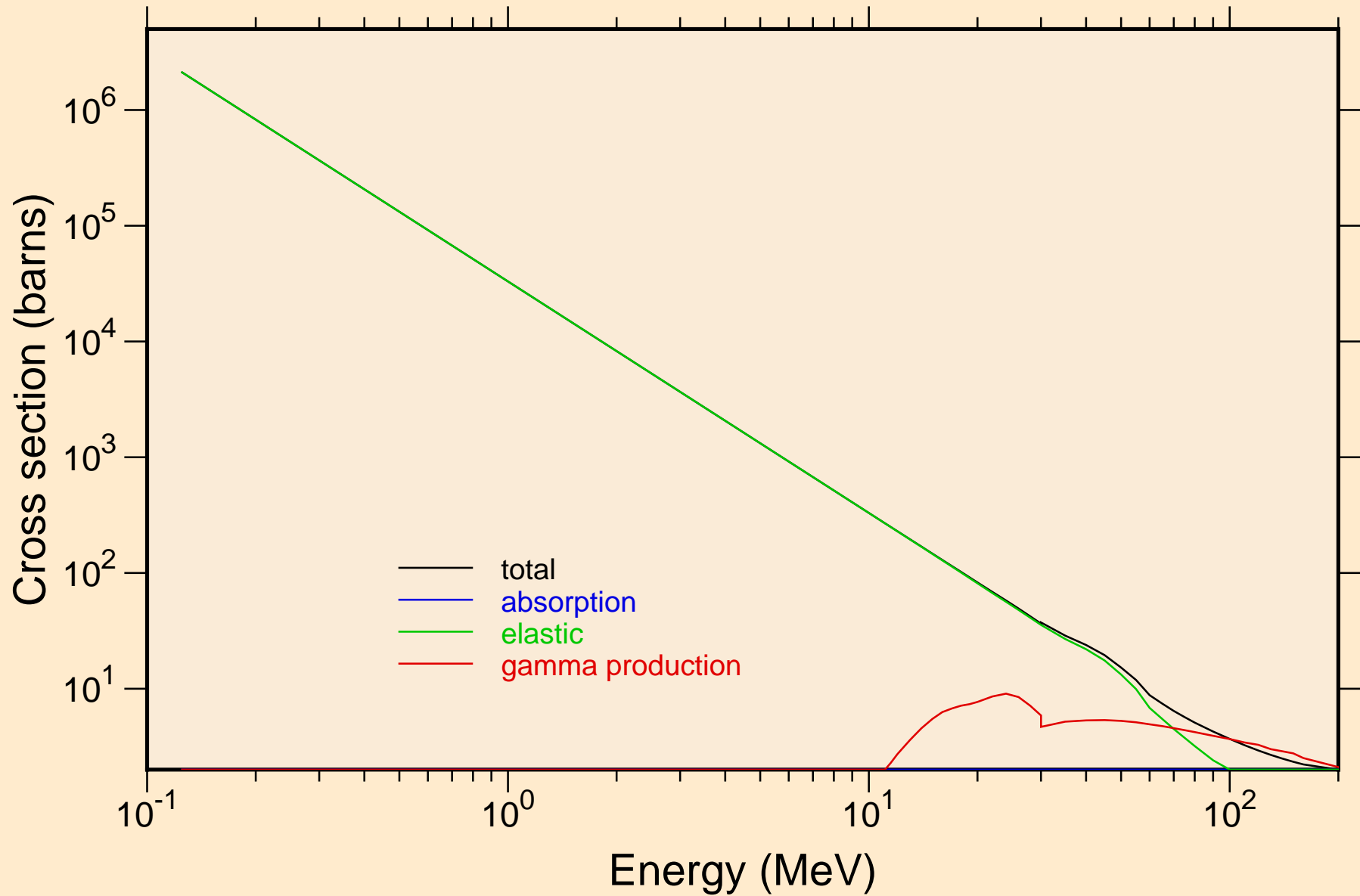
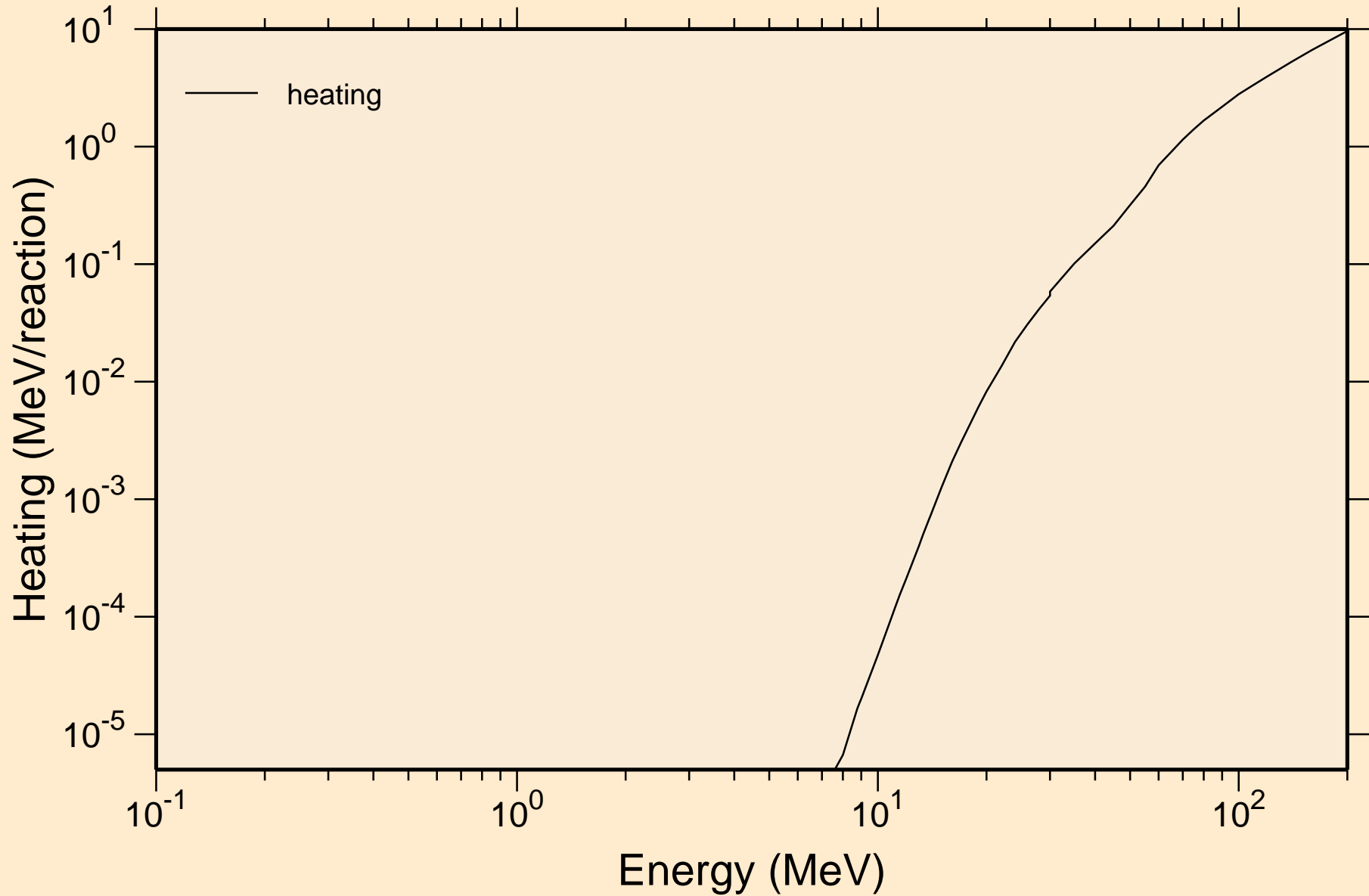


TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



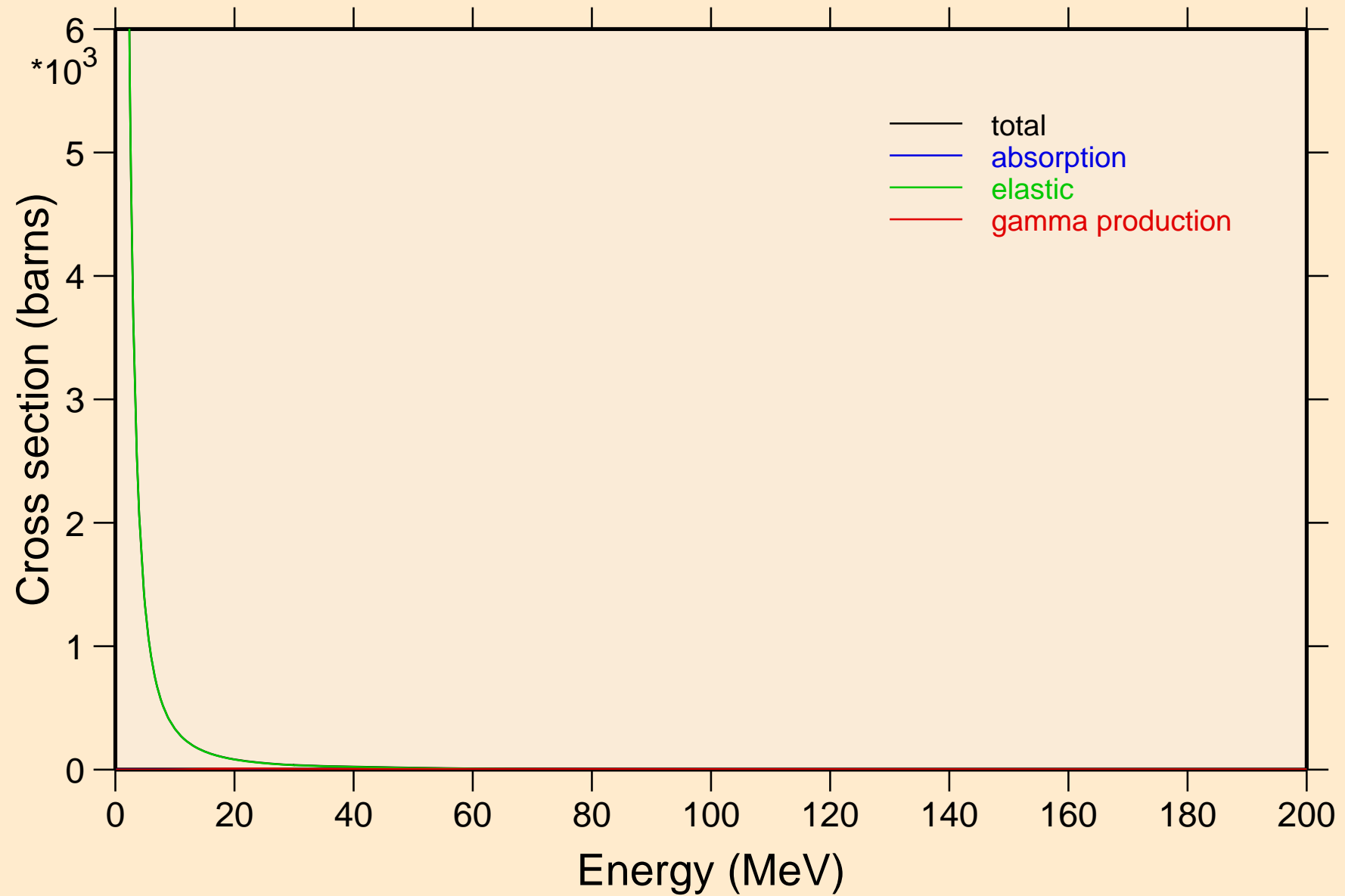
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## Heating



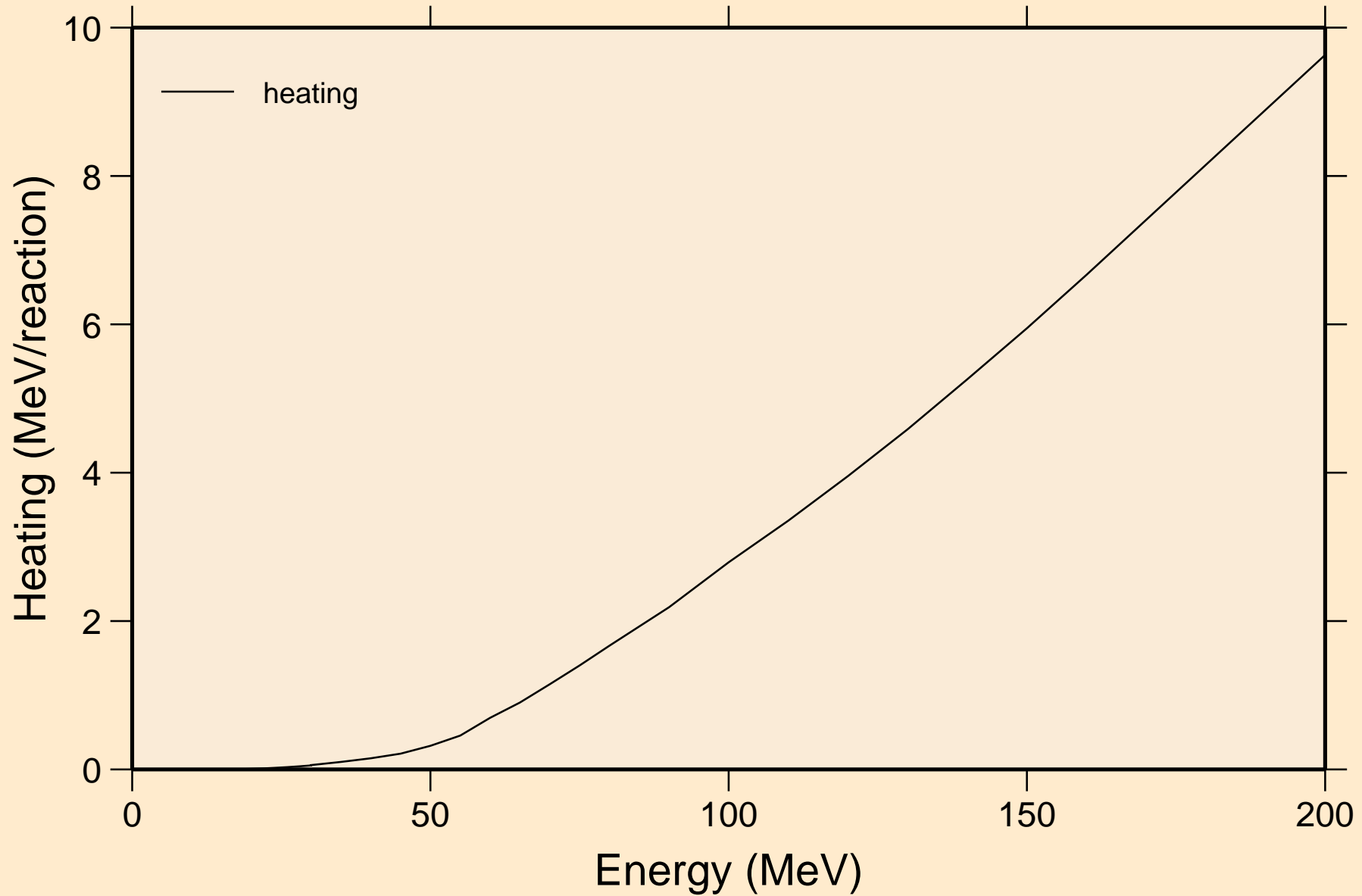
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## Principal cross sections



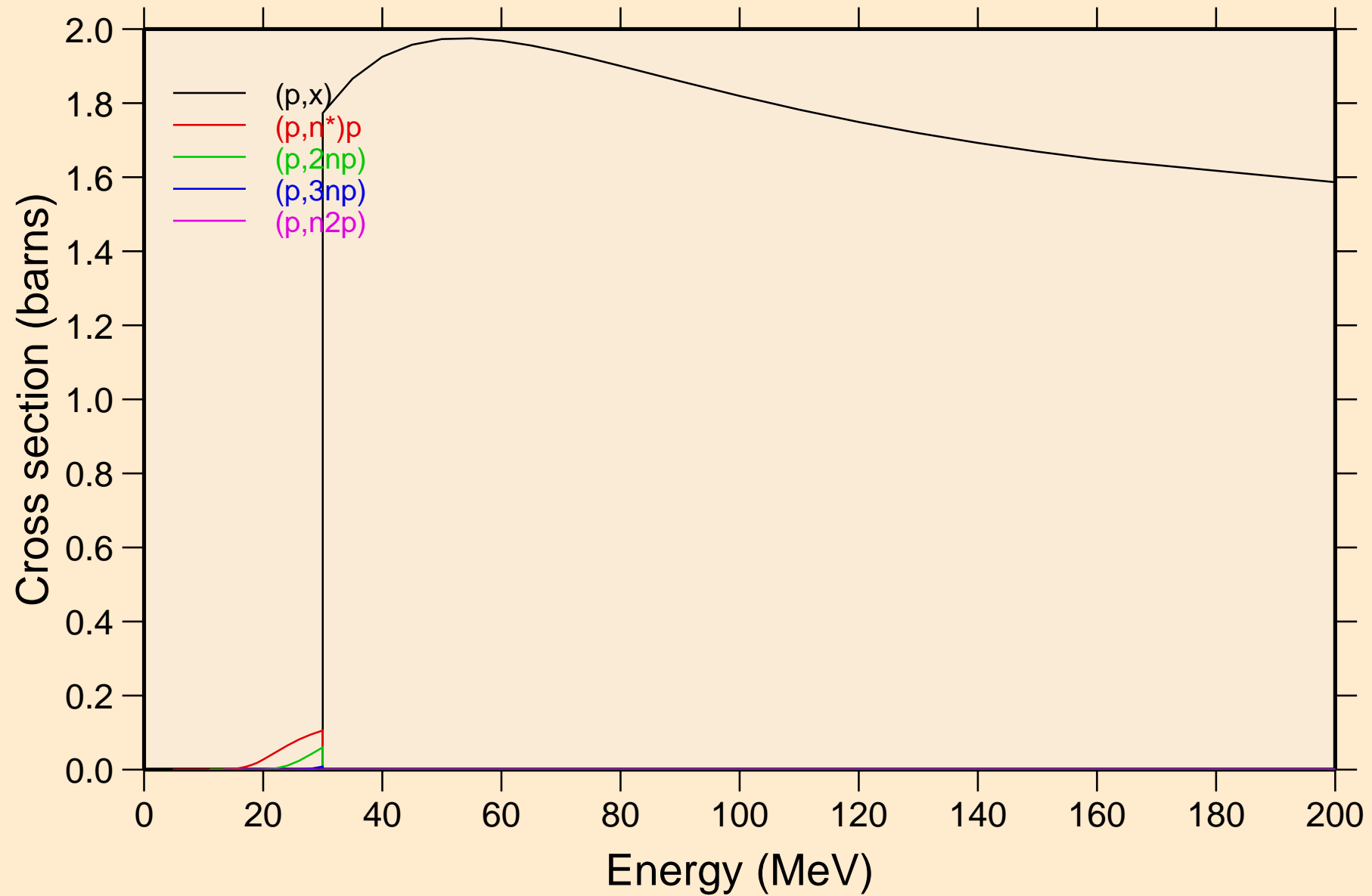
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating

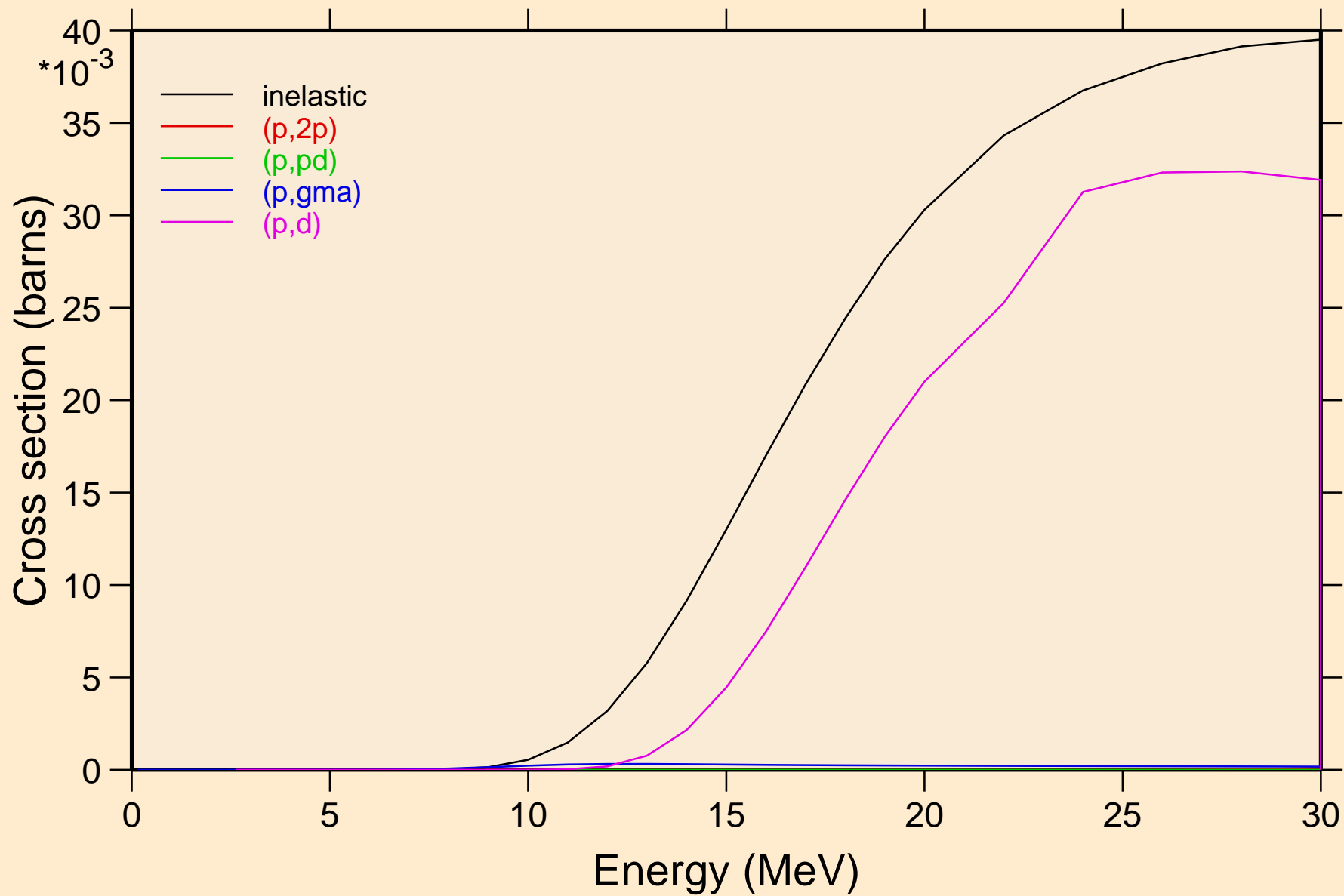


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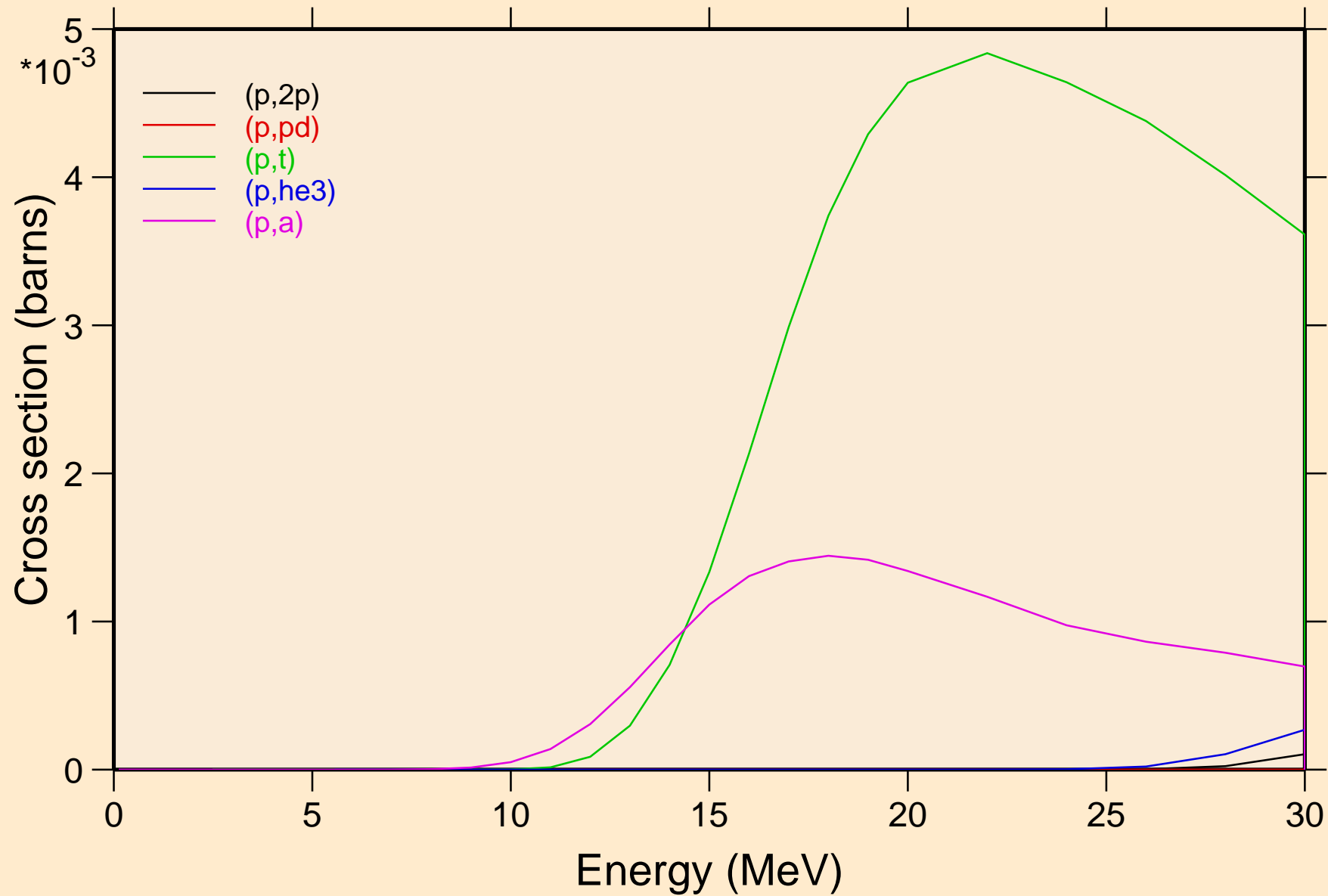
## Threshold reactions



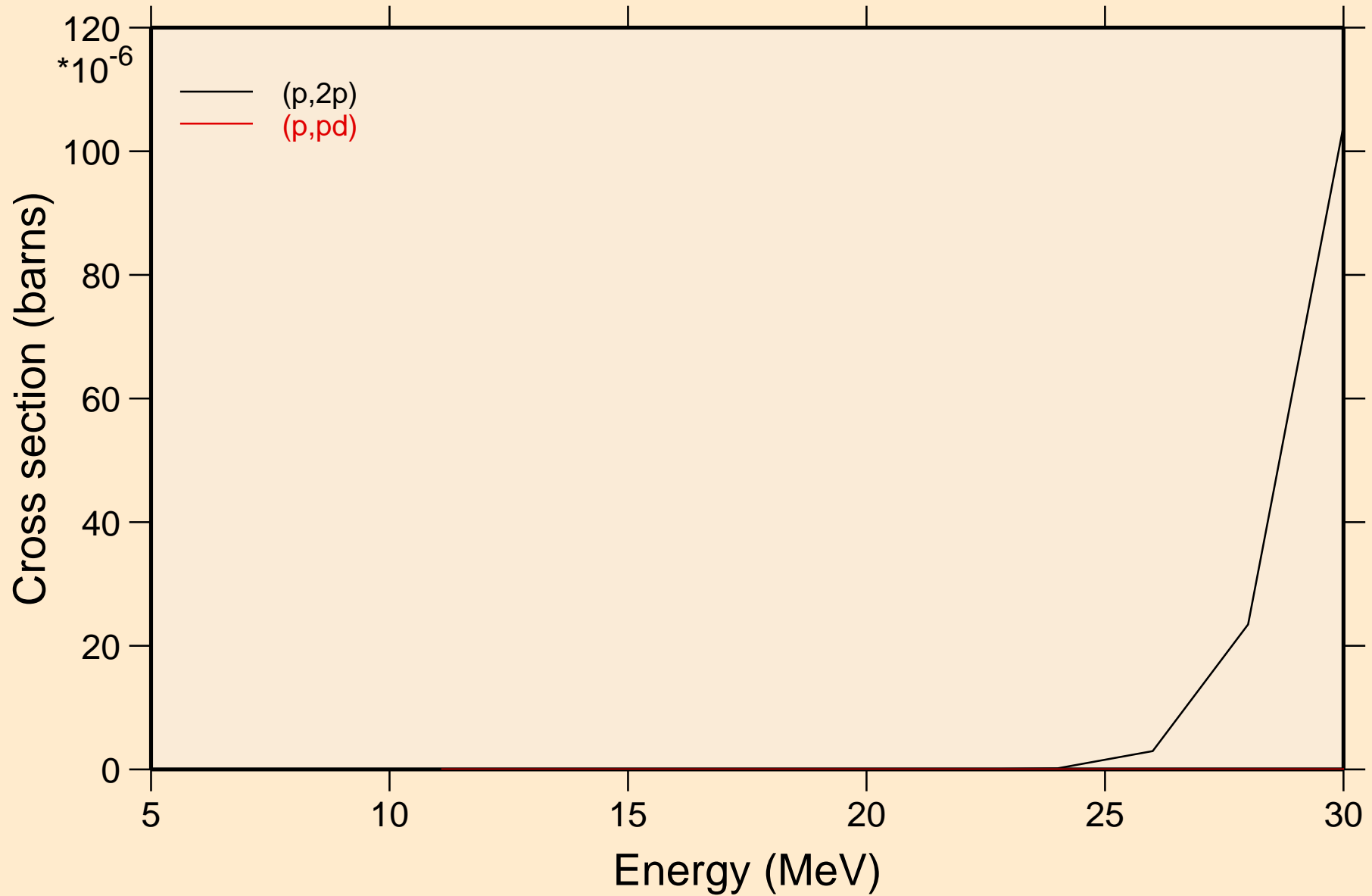
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



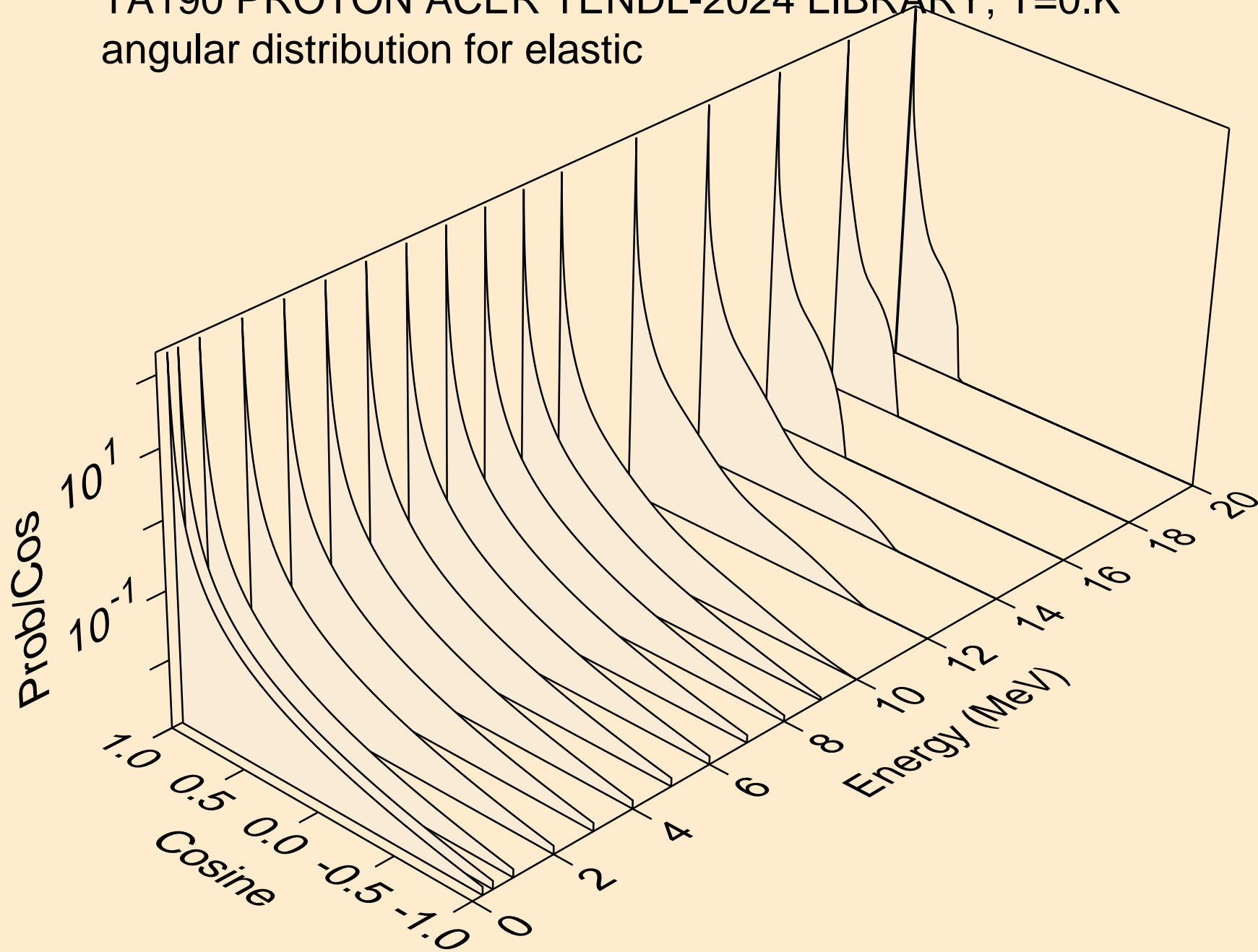
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Threshold reactions



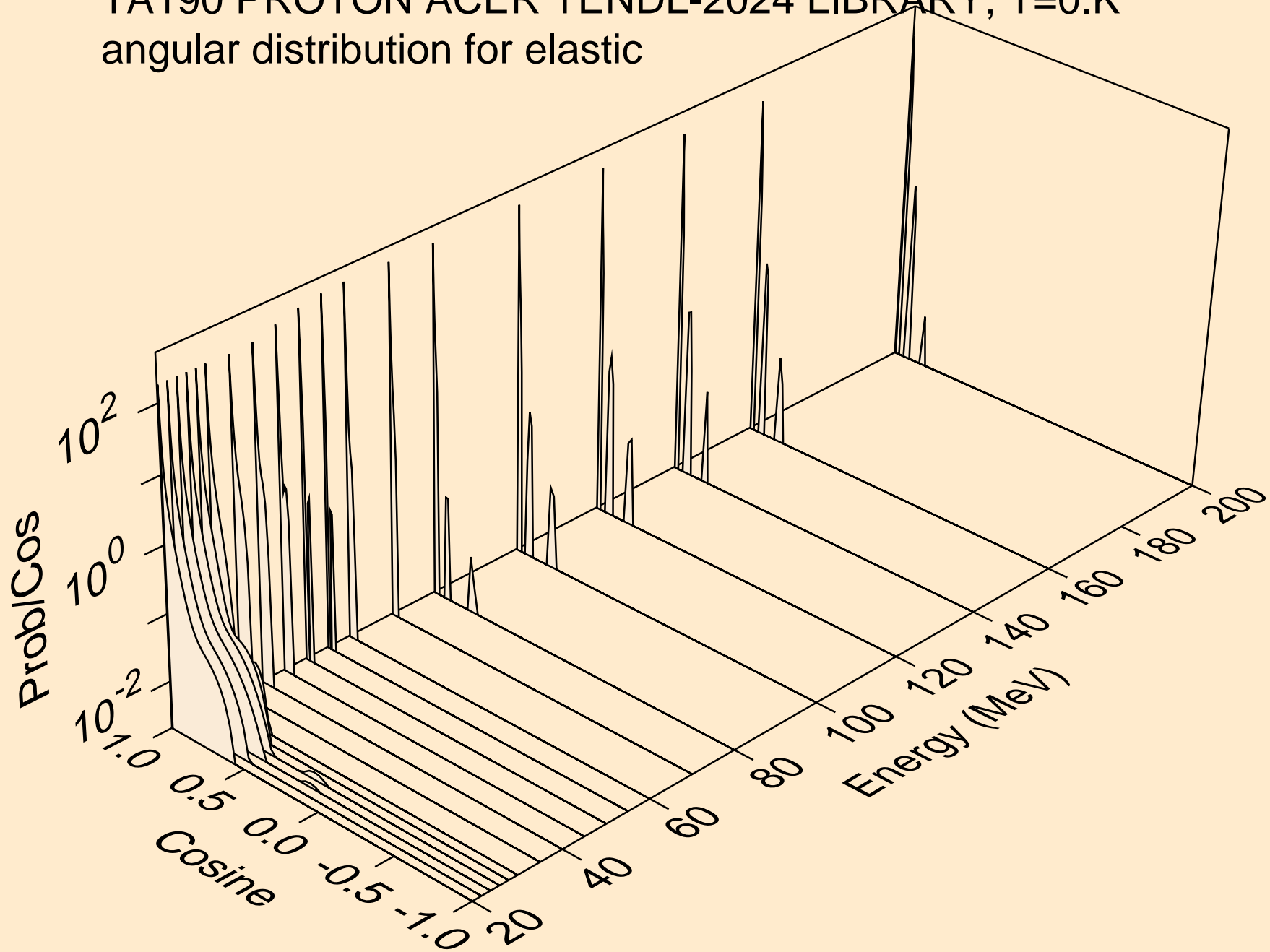
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Threshold reactions



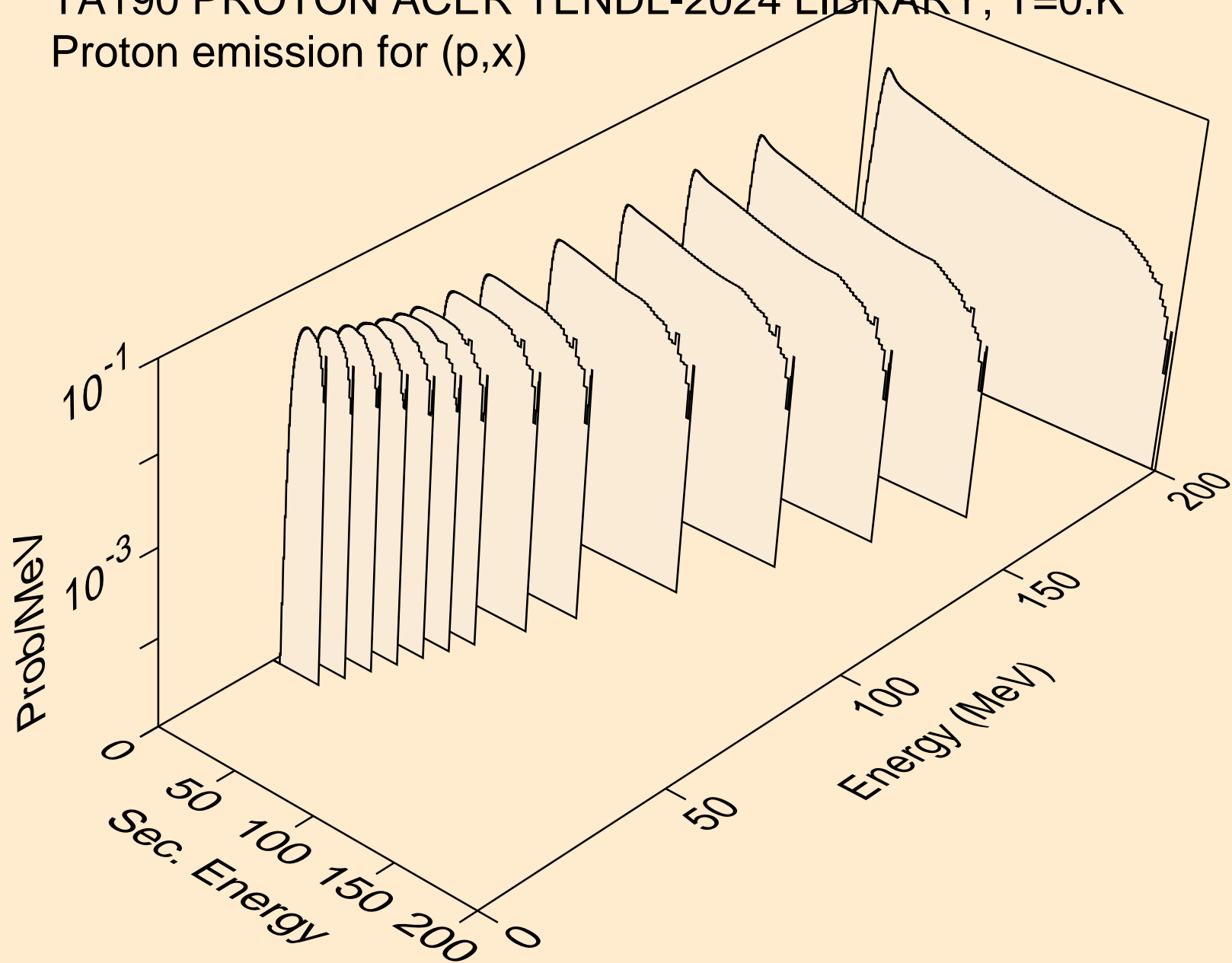
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angular distribution for elastic



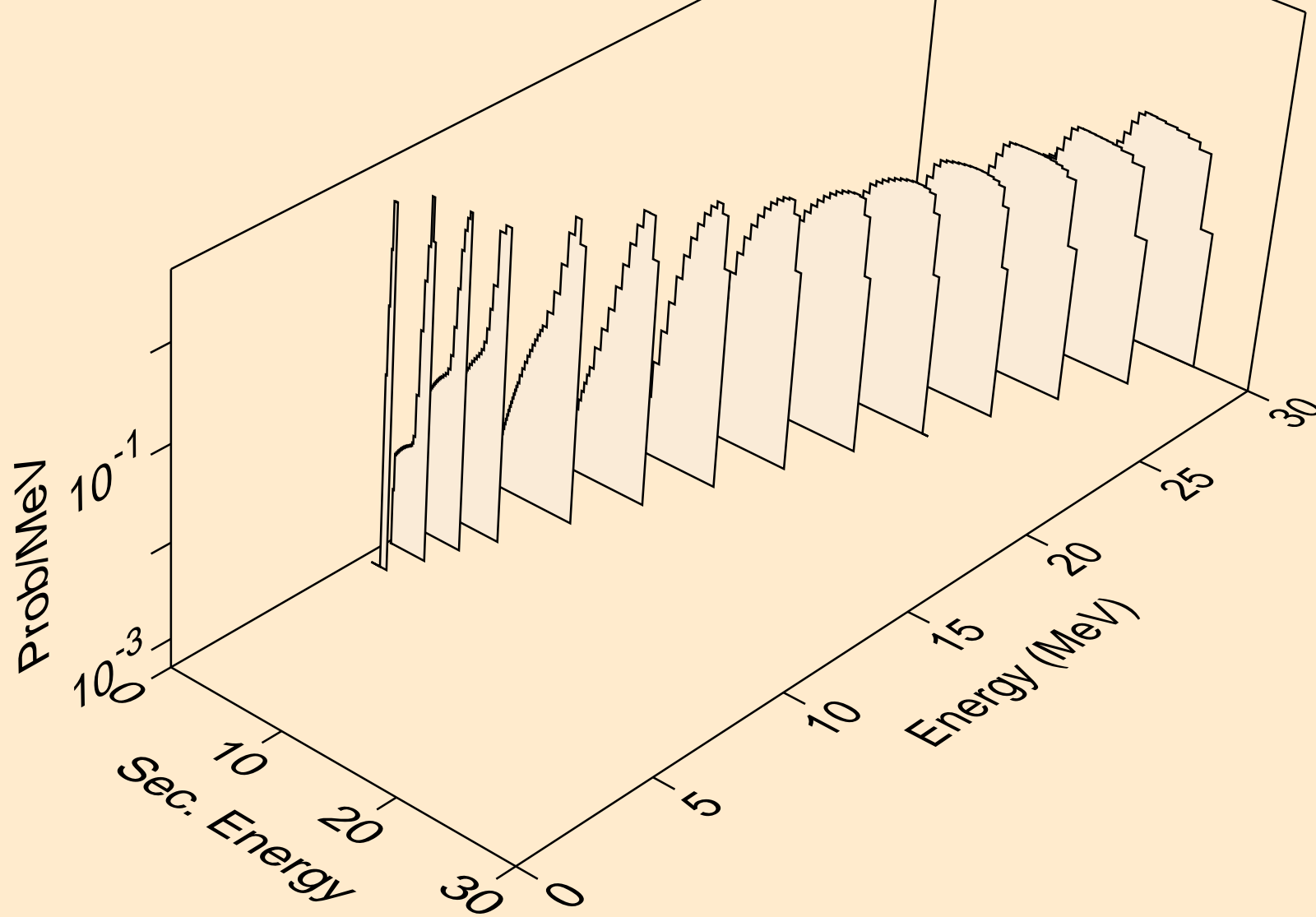
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angular distribution for elastic



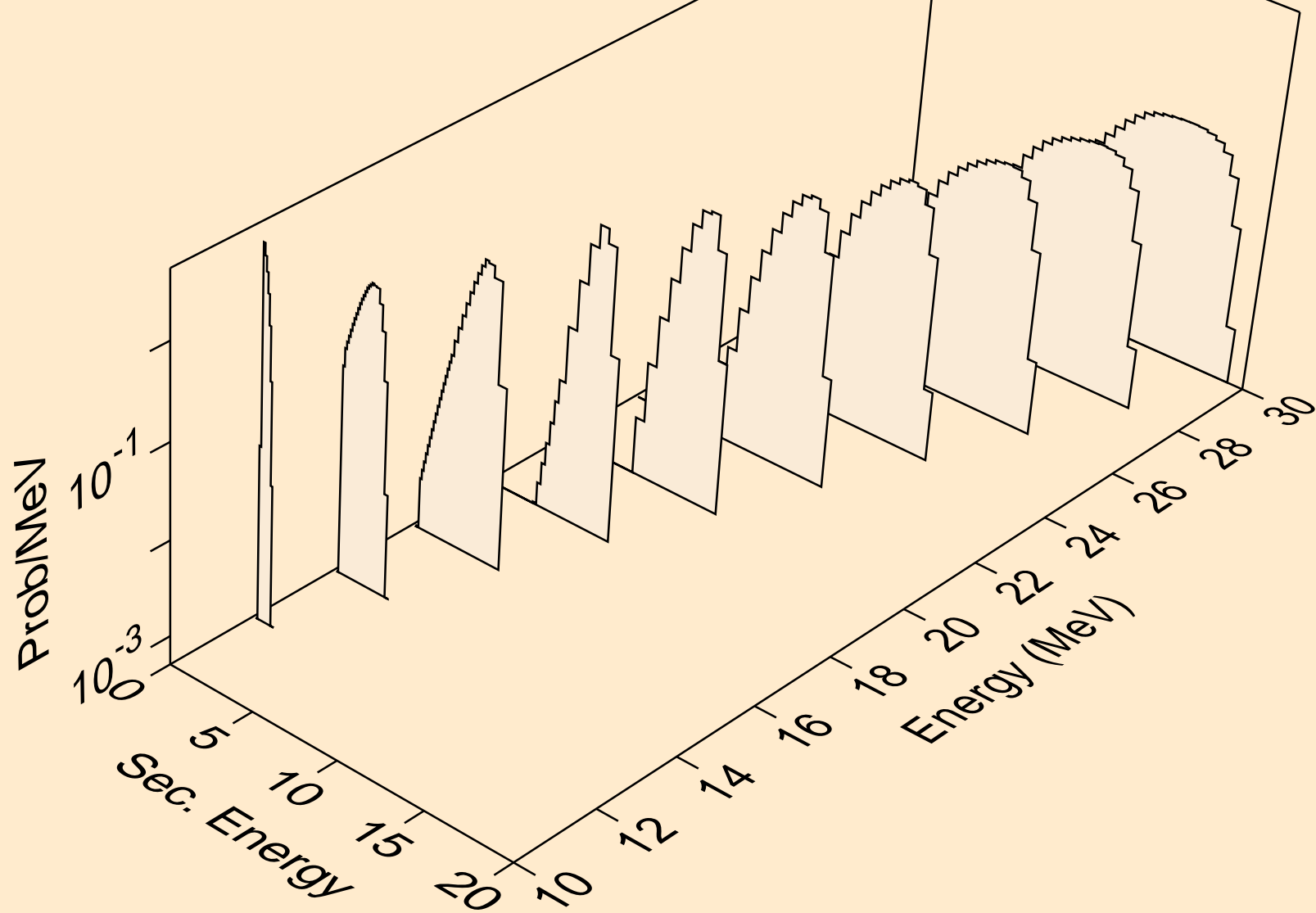
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)



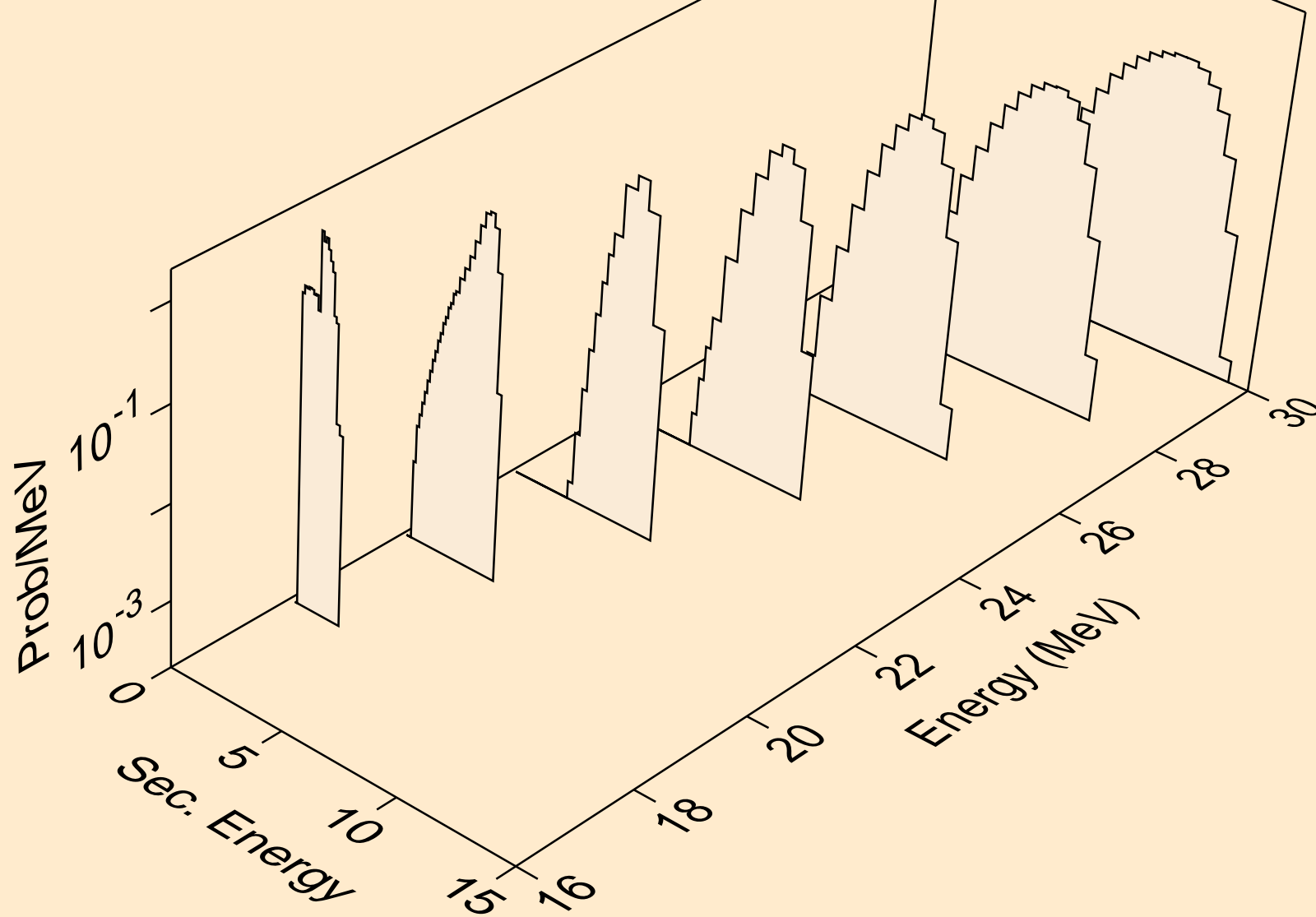
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



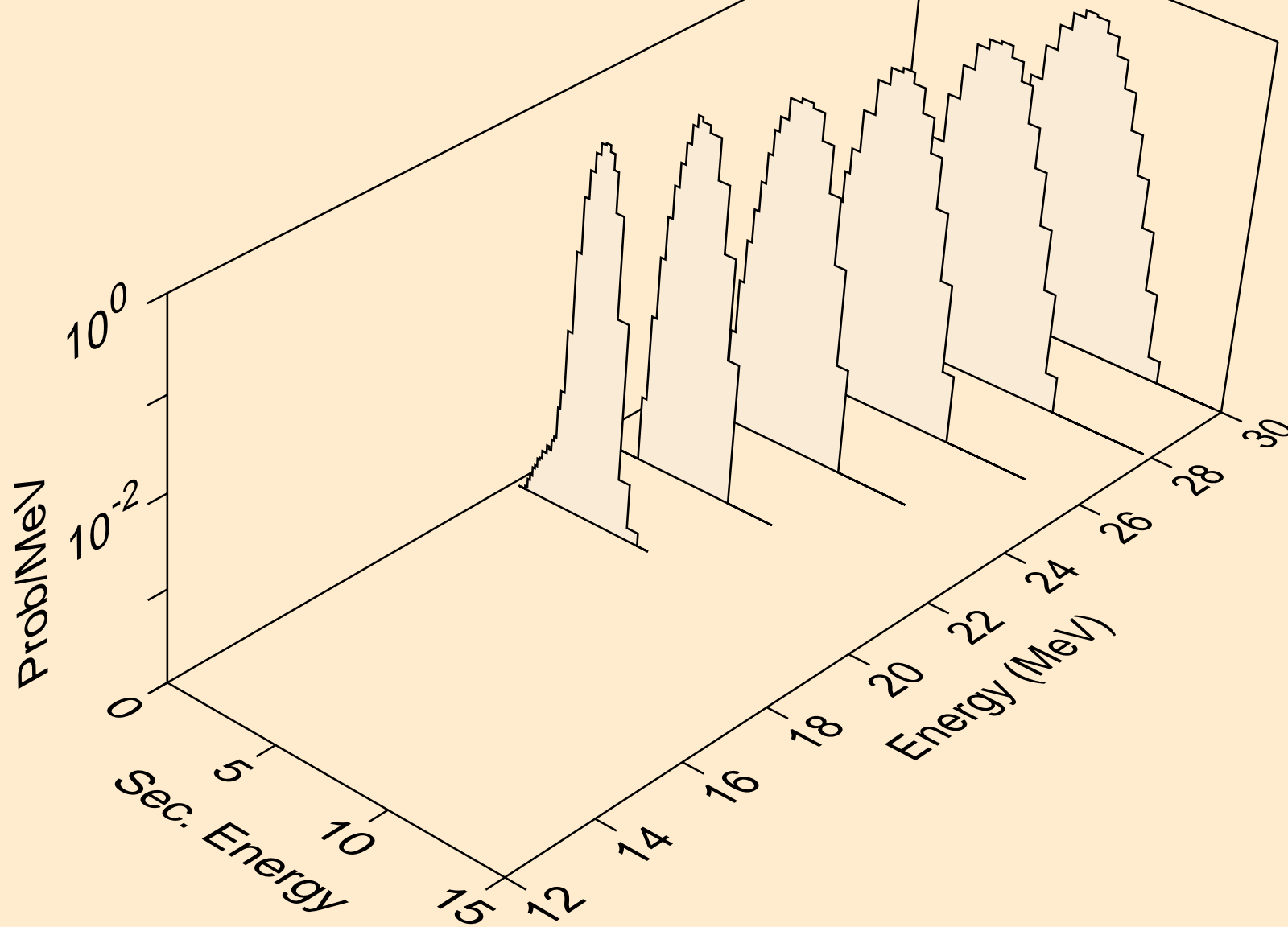
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Proton emission for (p,2np)



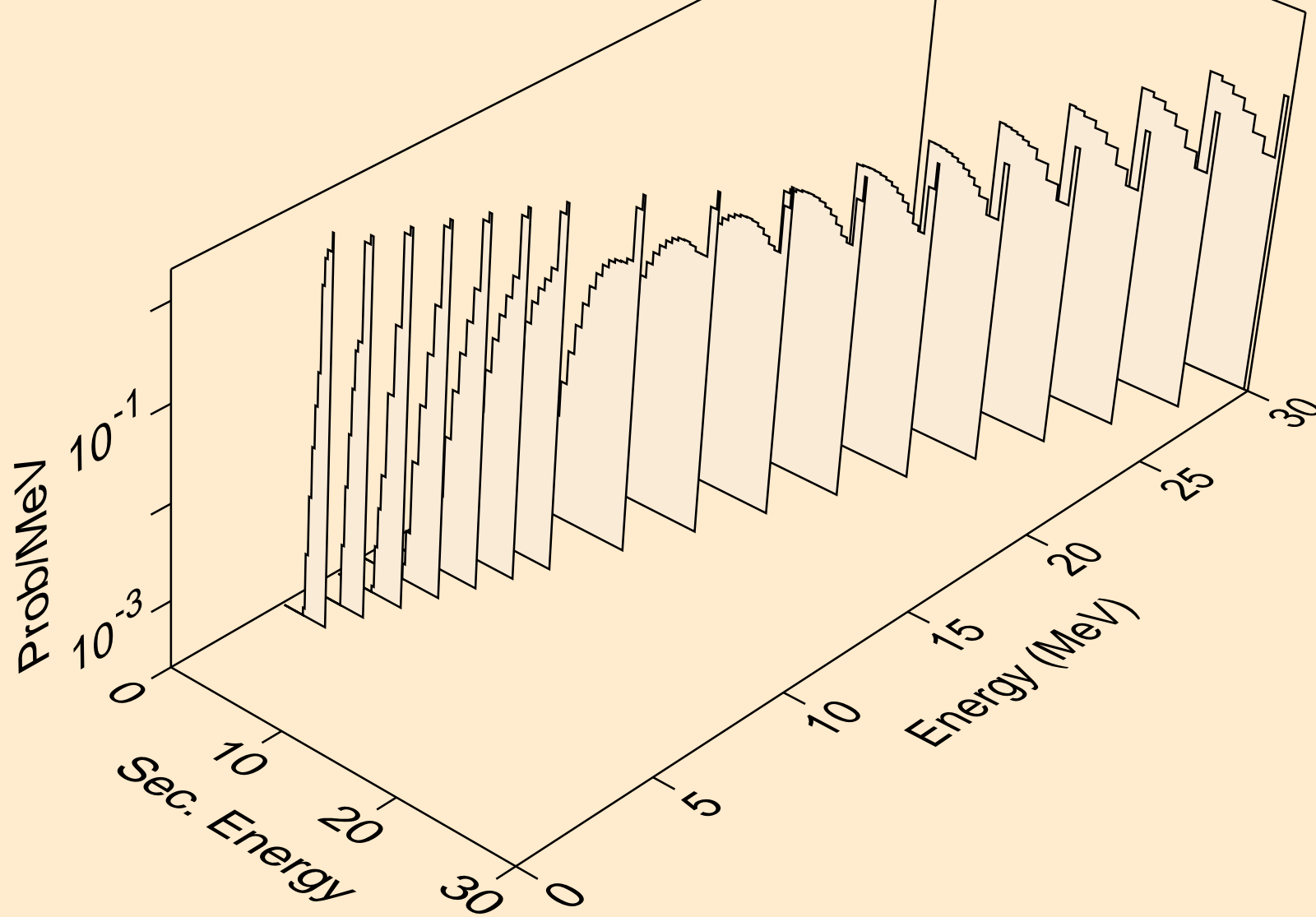
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Proton emission for (p,3np)



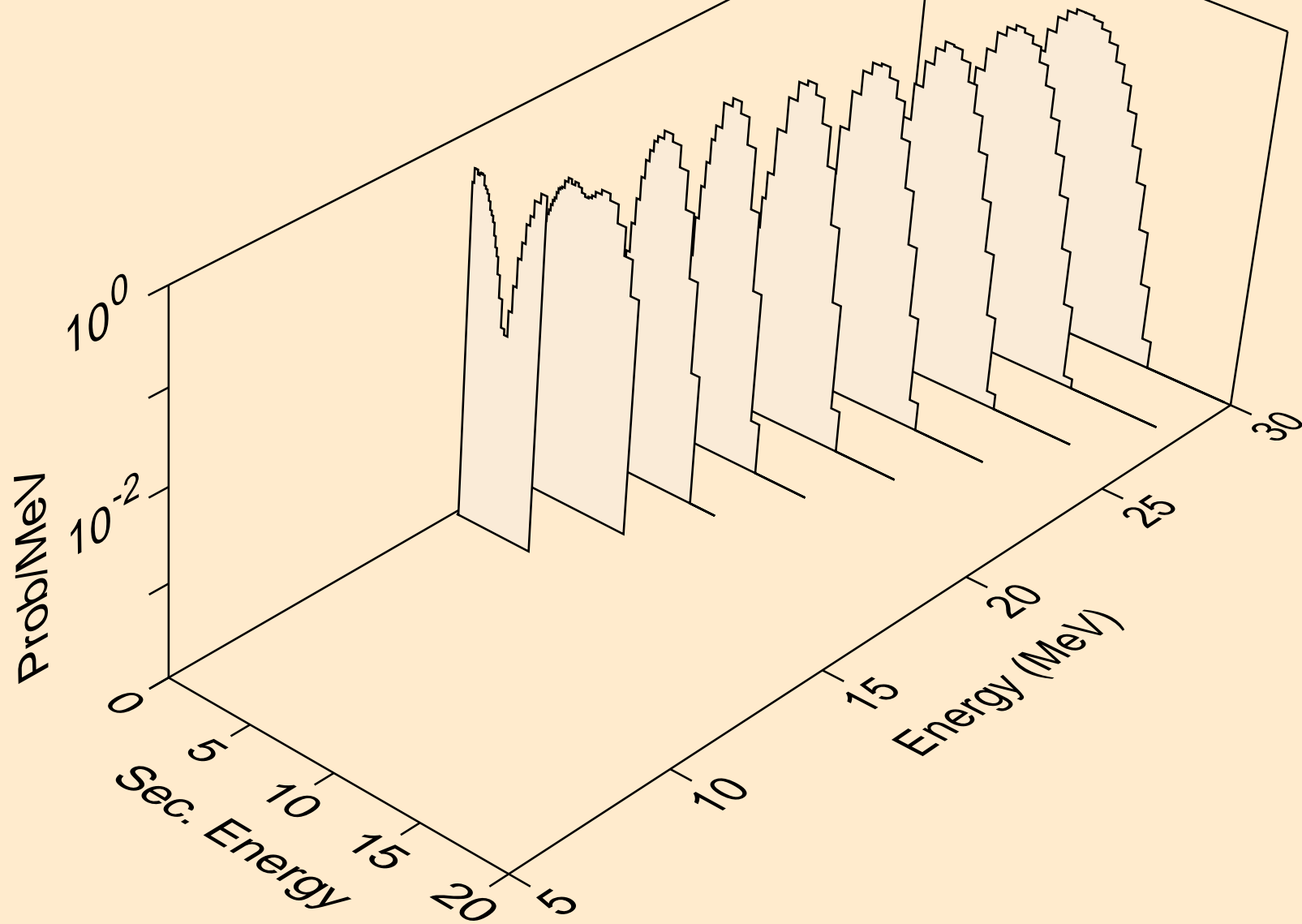
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Proton emission for (p,n2p)



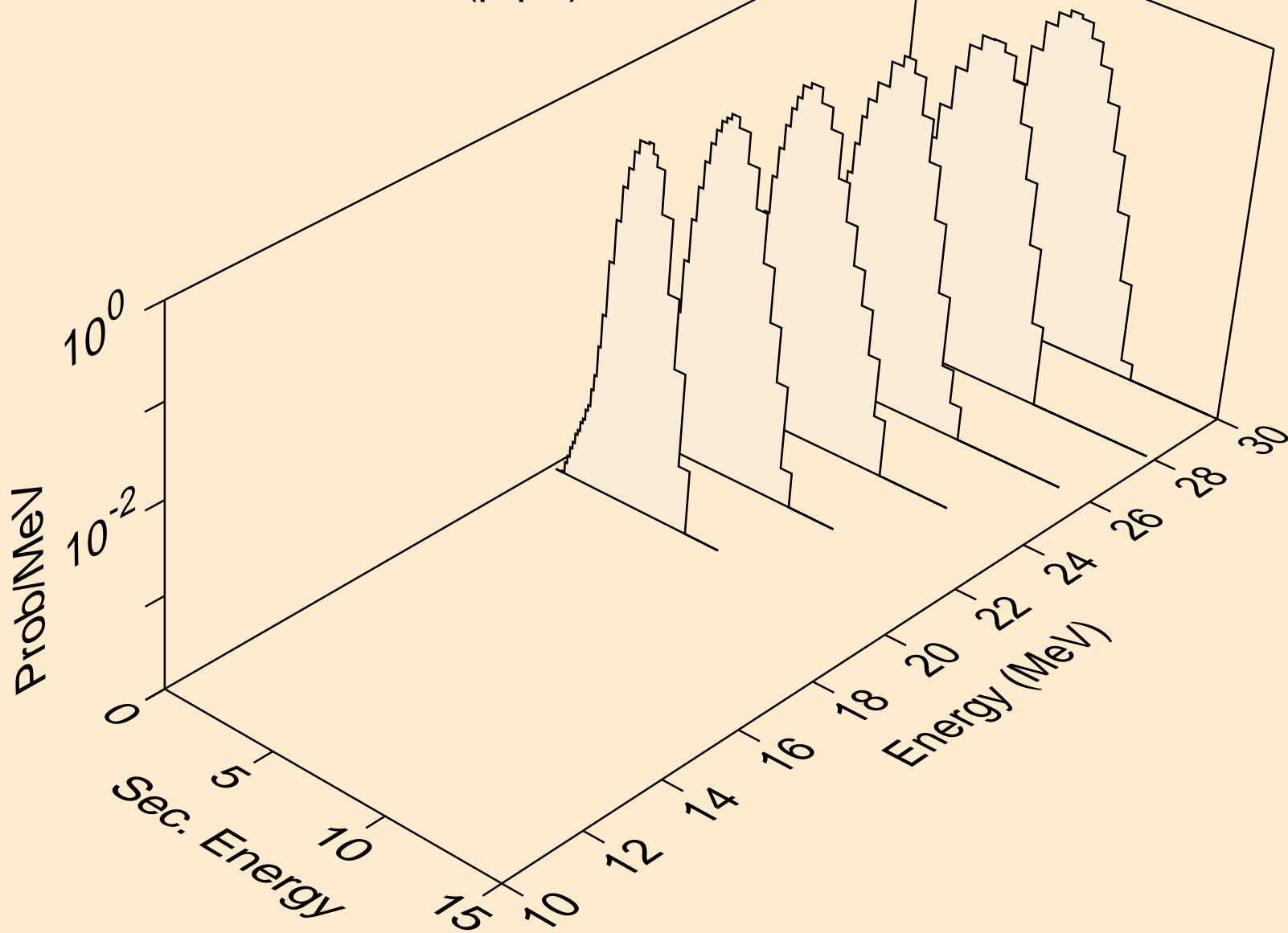
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



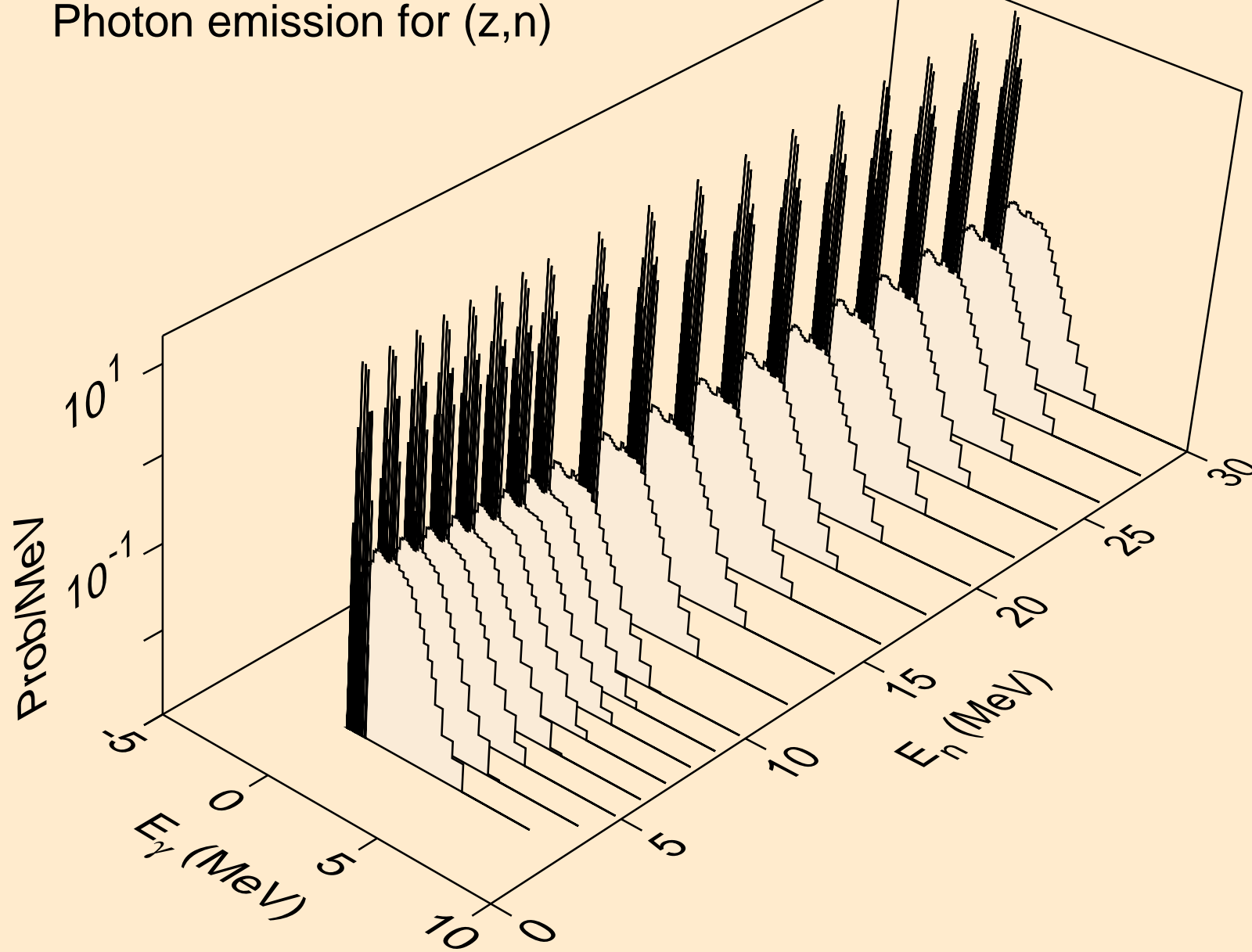
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Proton emission for (p,2p)



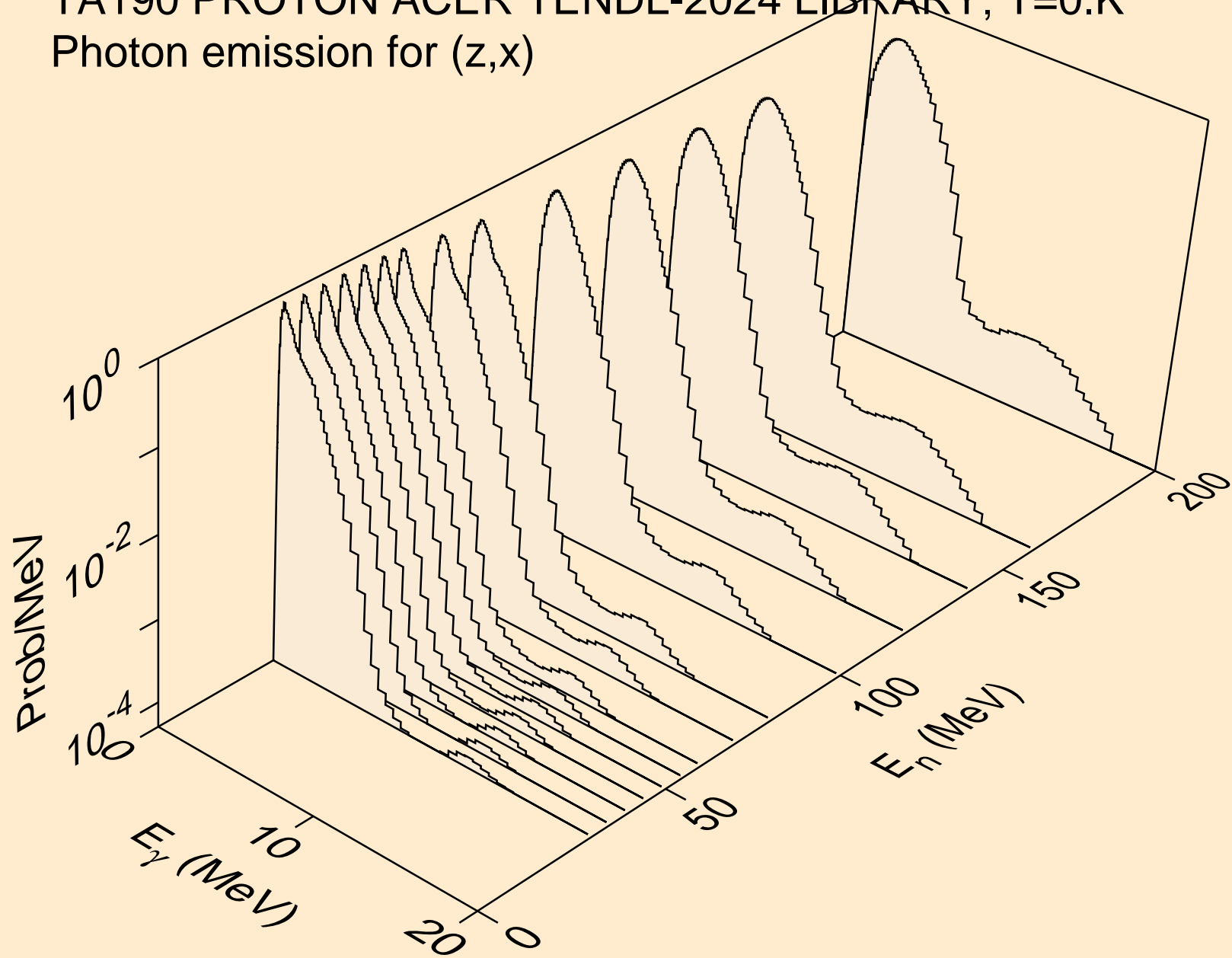
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Proton emission for (p,pd)



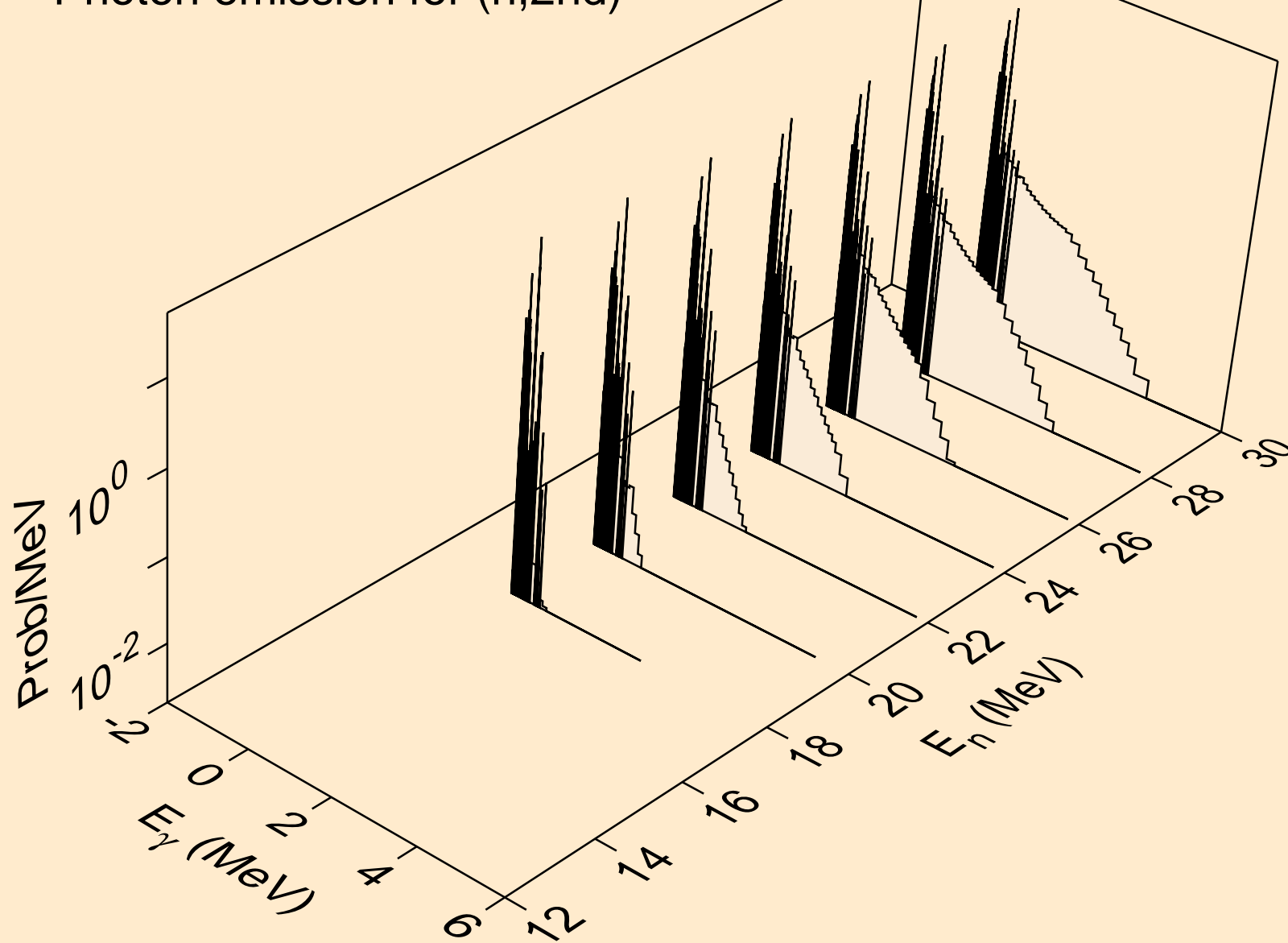
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Photon emission for (z,n)



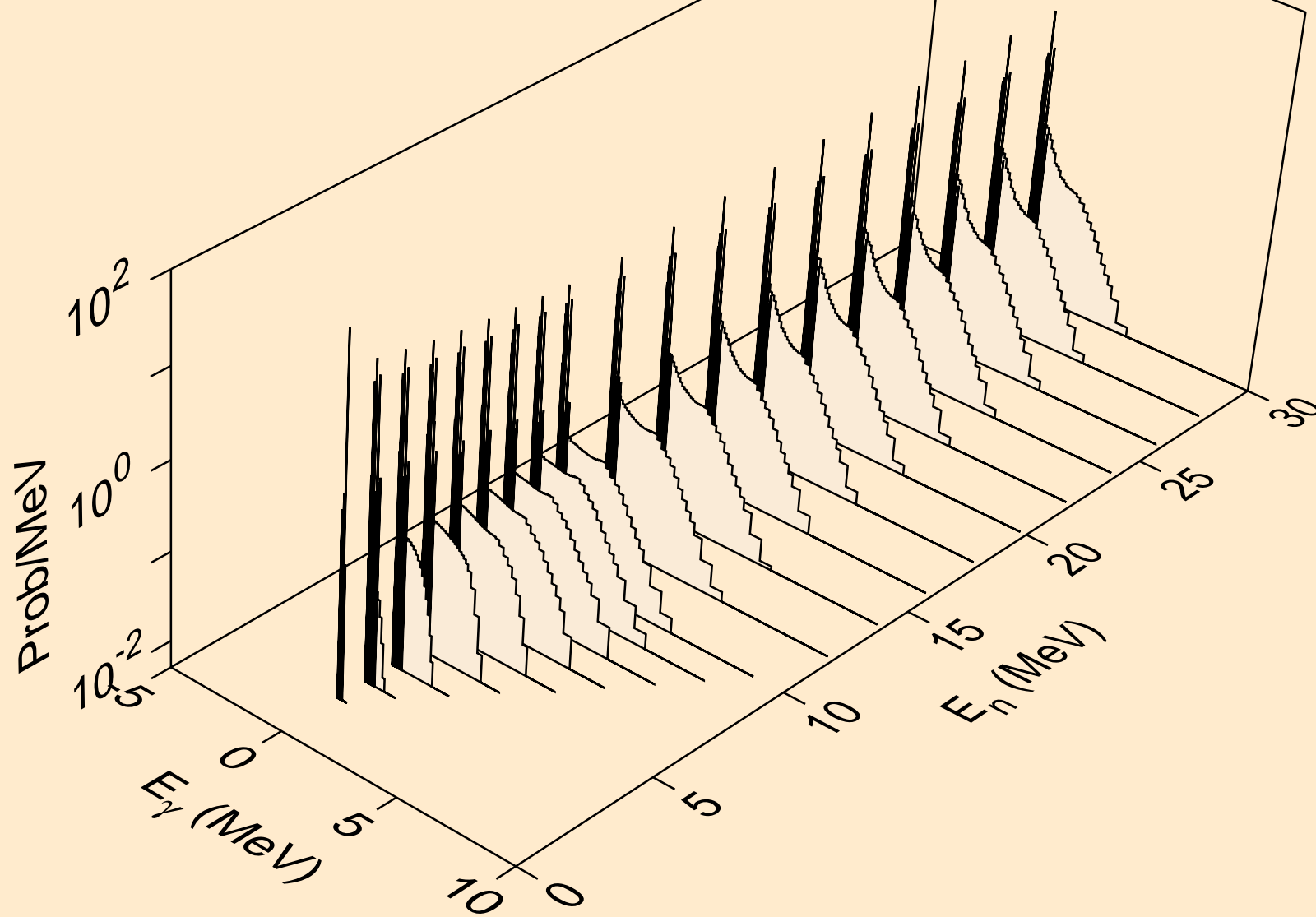
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Photon emission for (z,x)



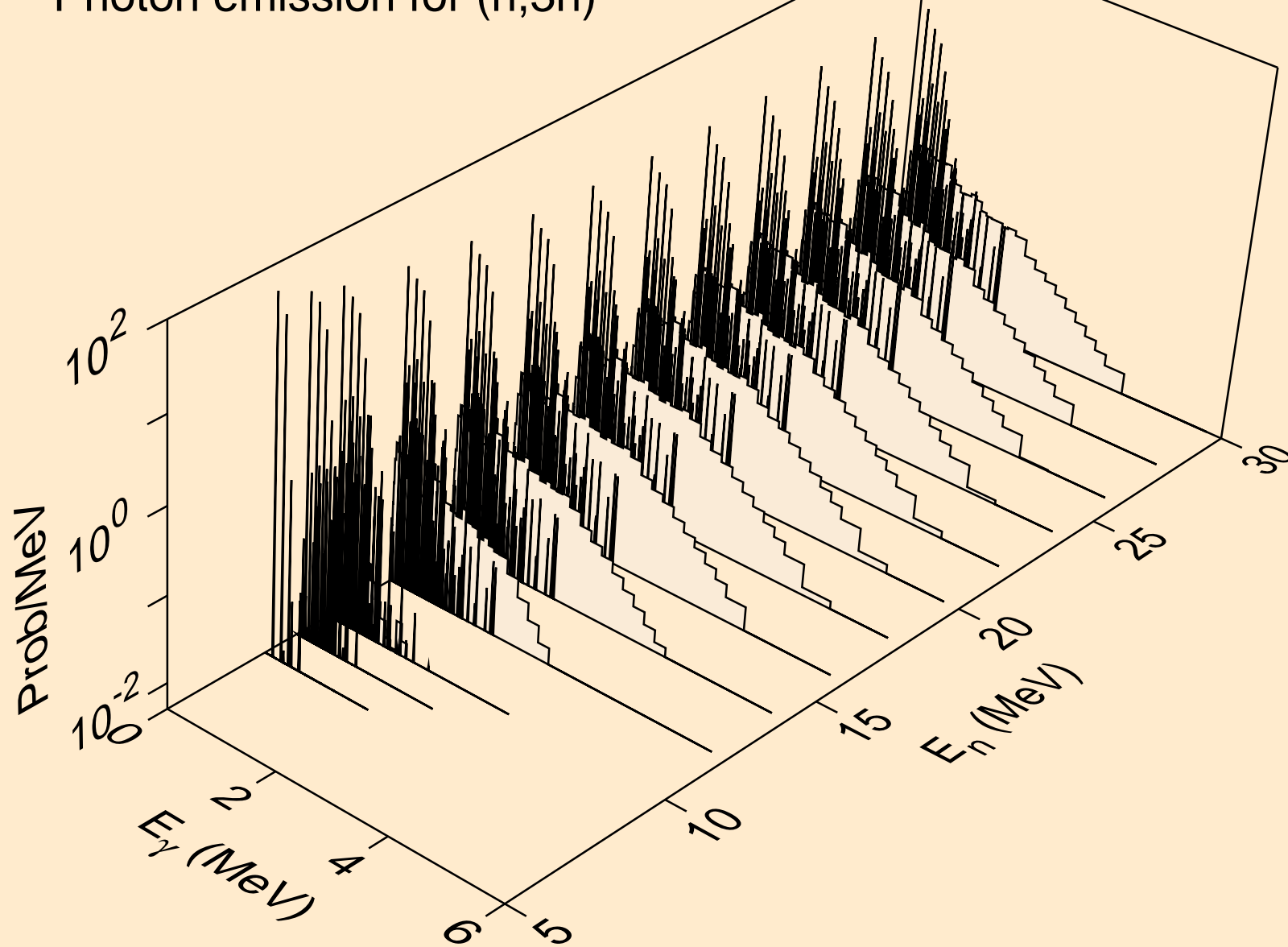
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Photon emission for (n,2nd)



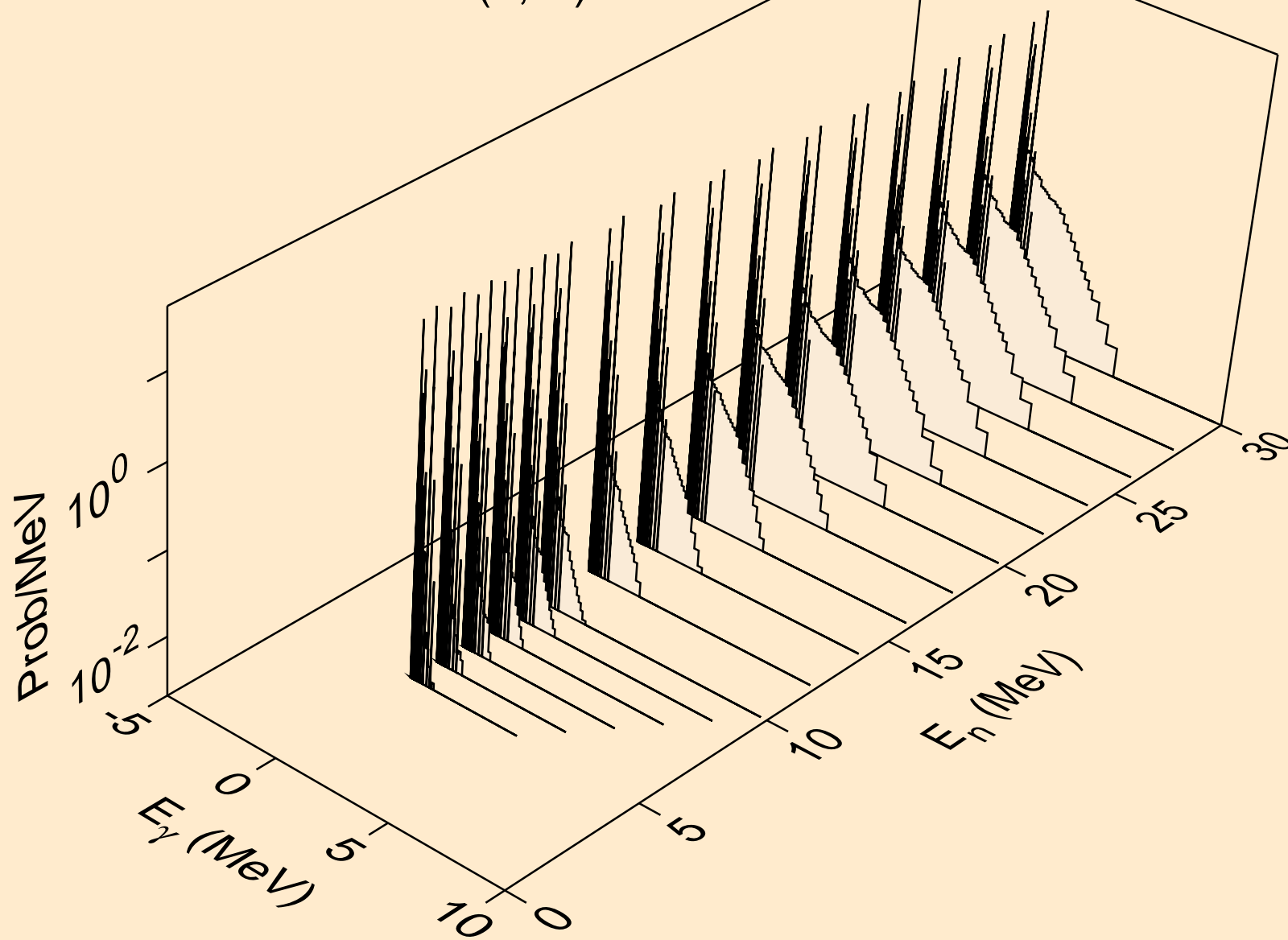
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Photon emission for (n,2n)



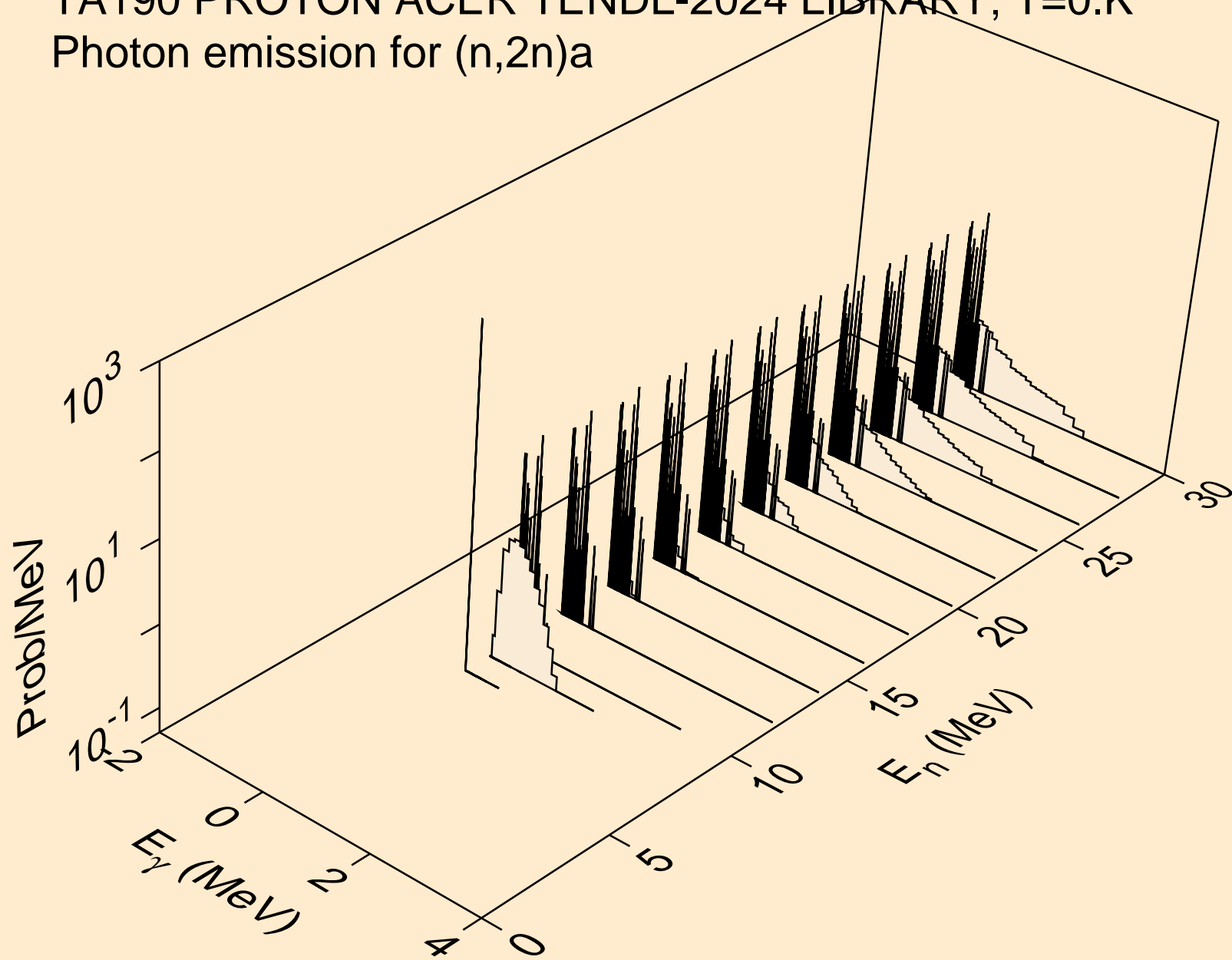
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Photon emission for (n,3n)



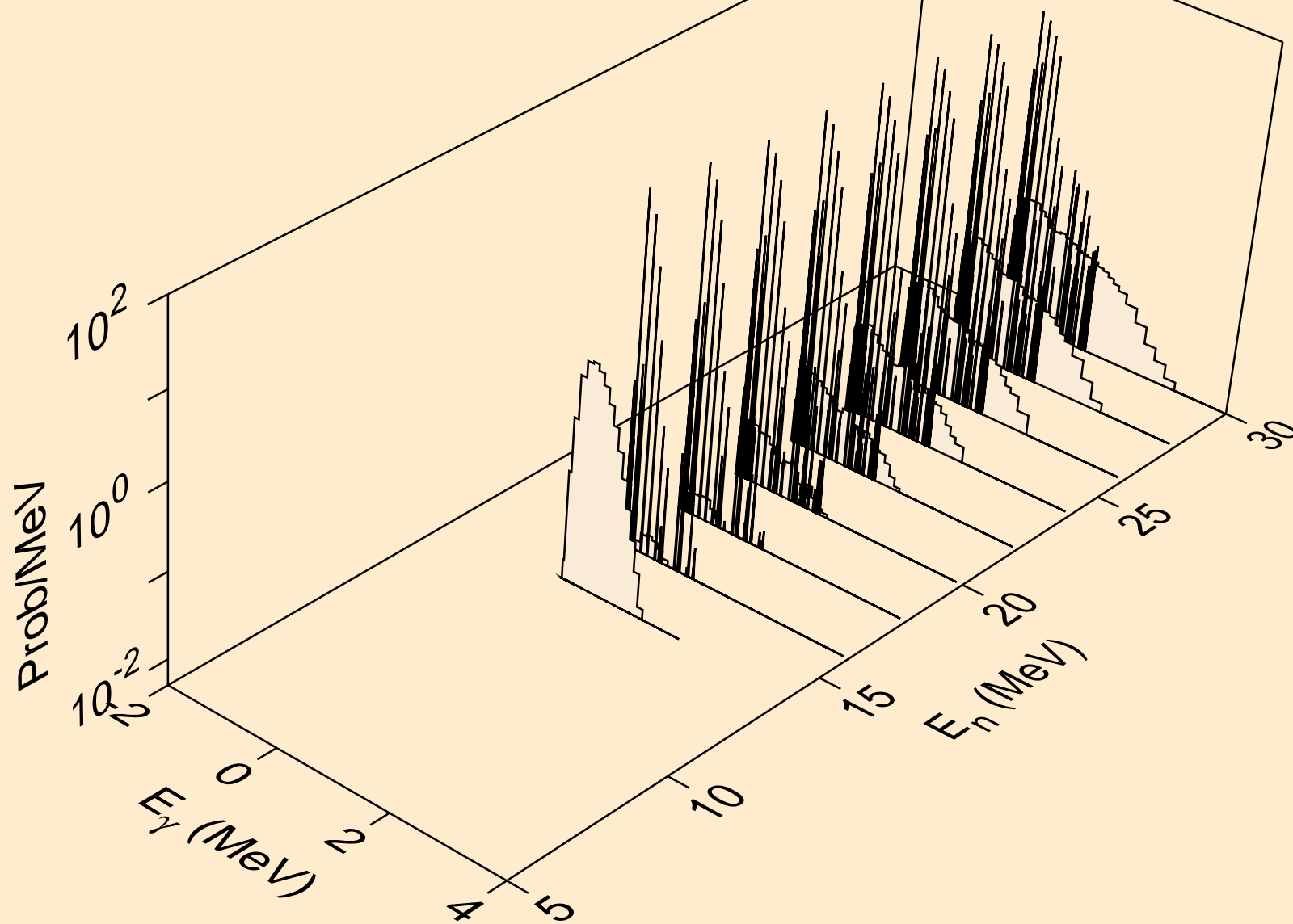
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



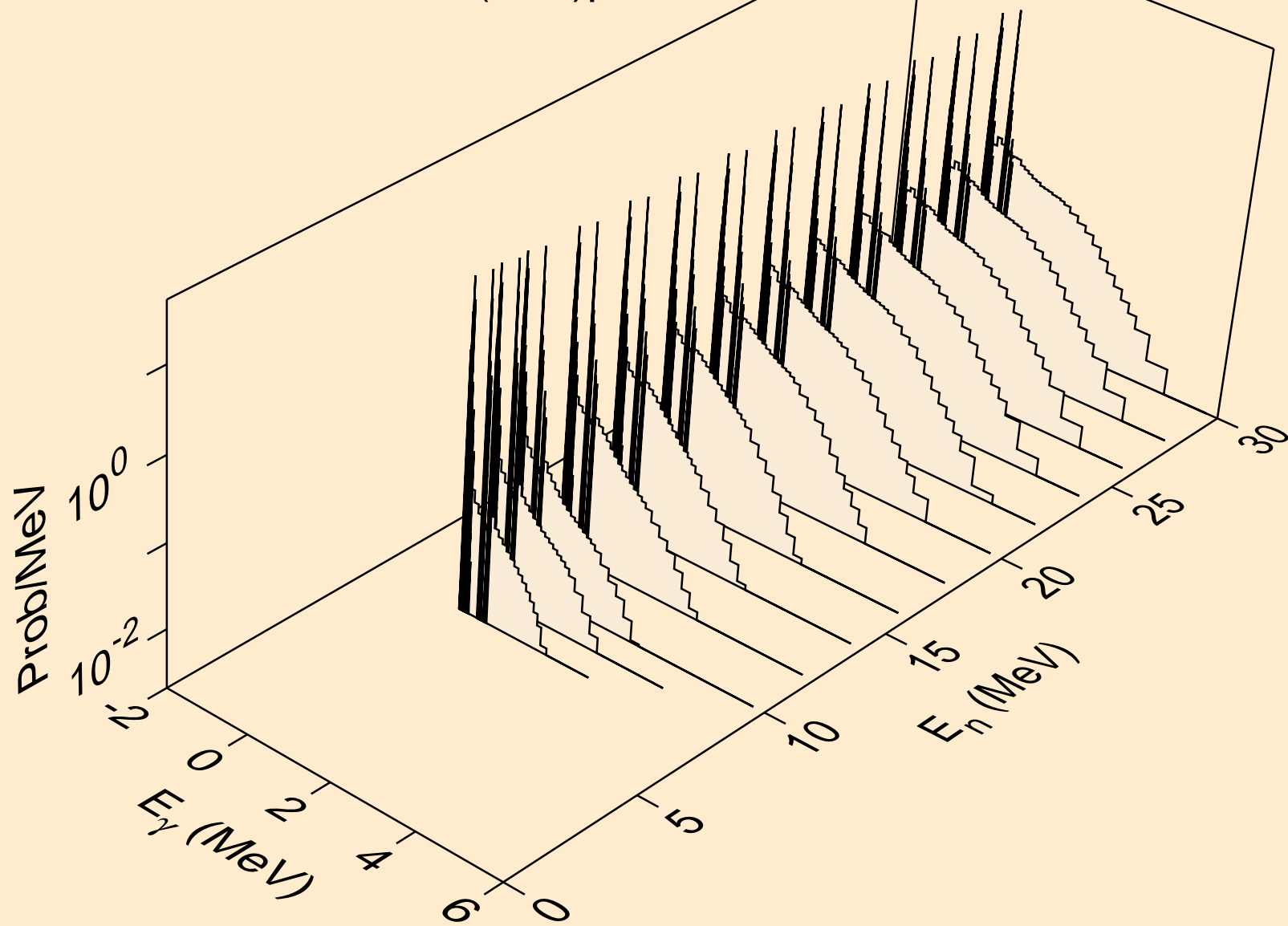
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Photon emission for (n,2n)a



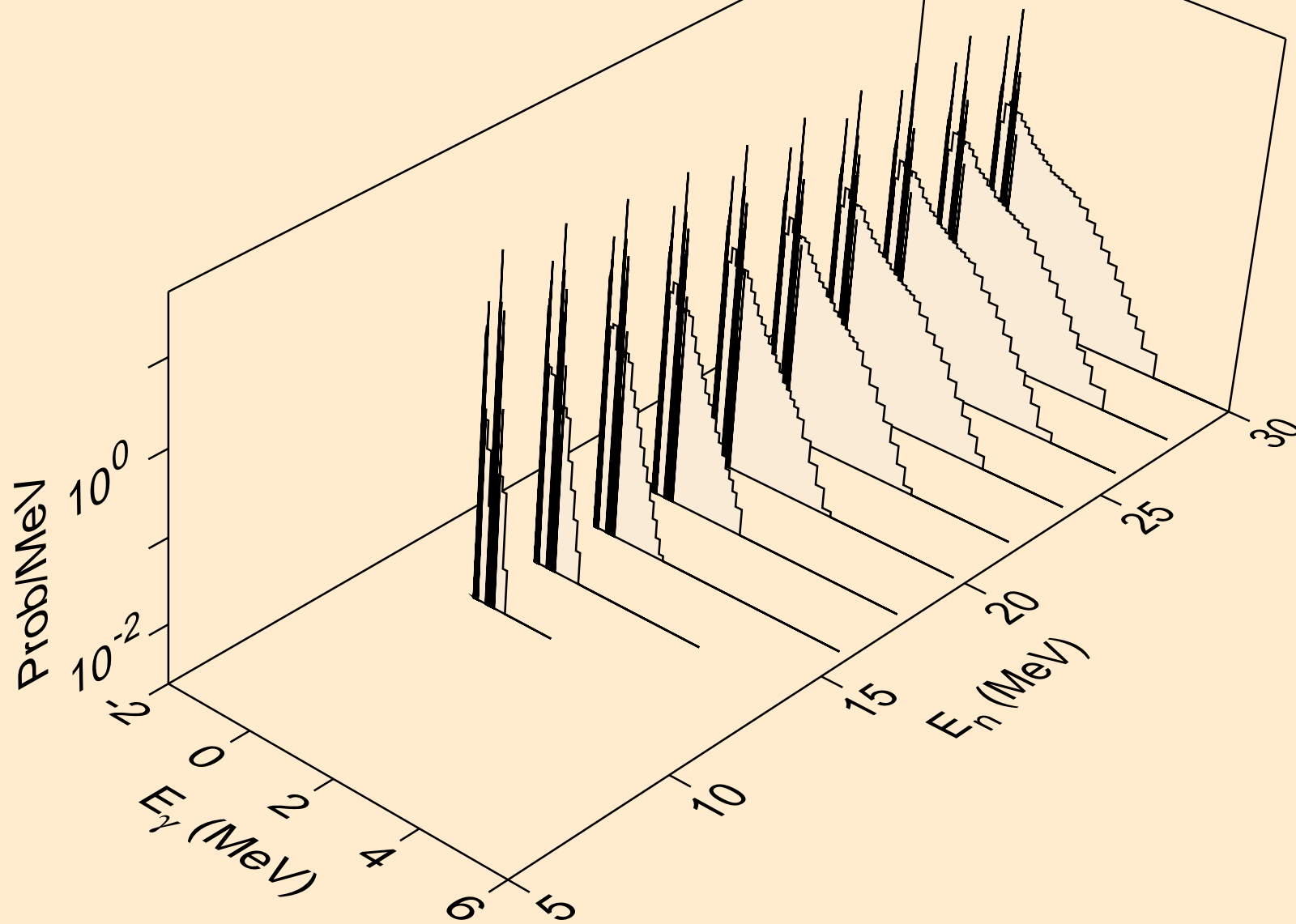
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Photon emission for (n,3n)a



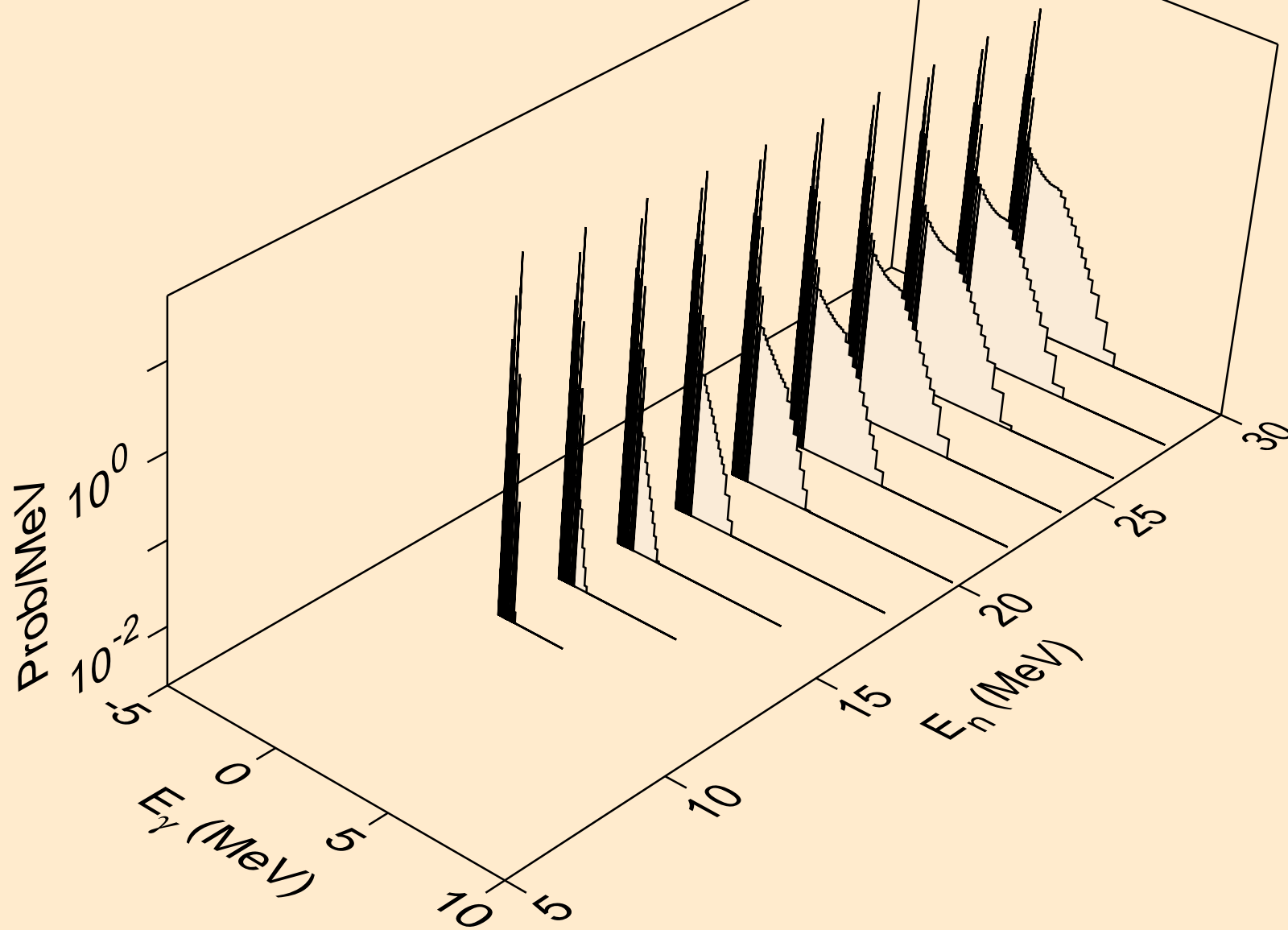
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Photon emission for (n,n\*)p



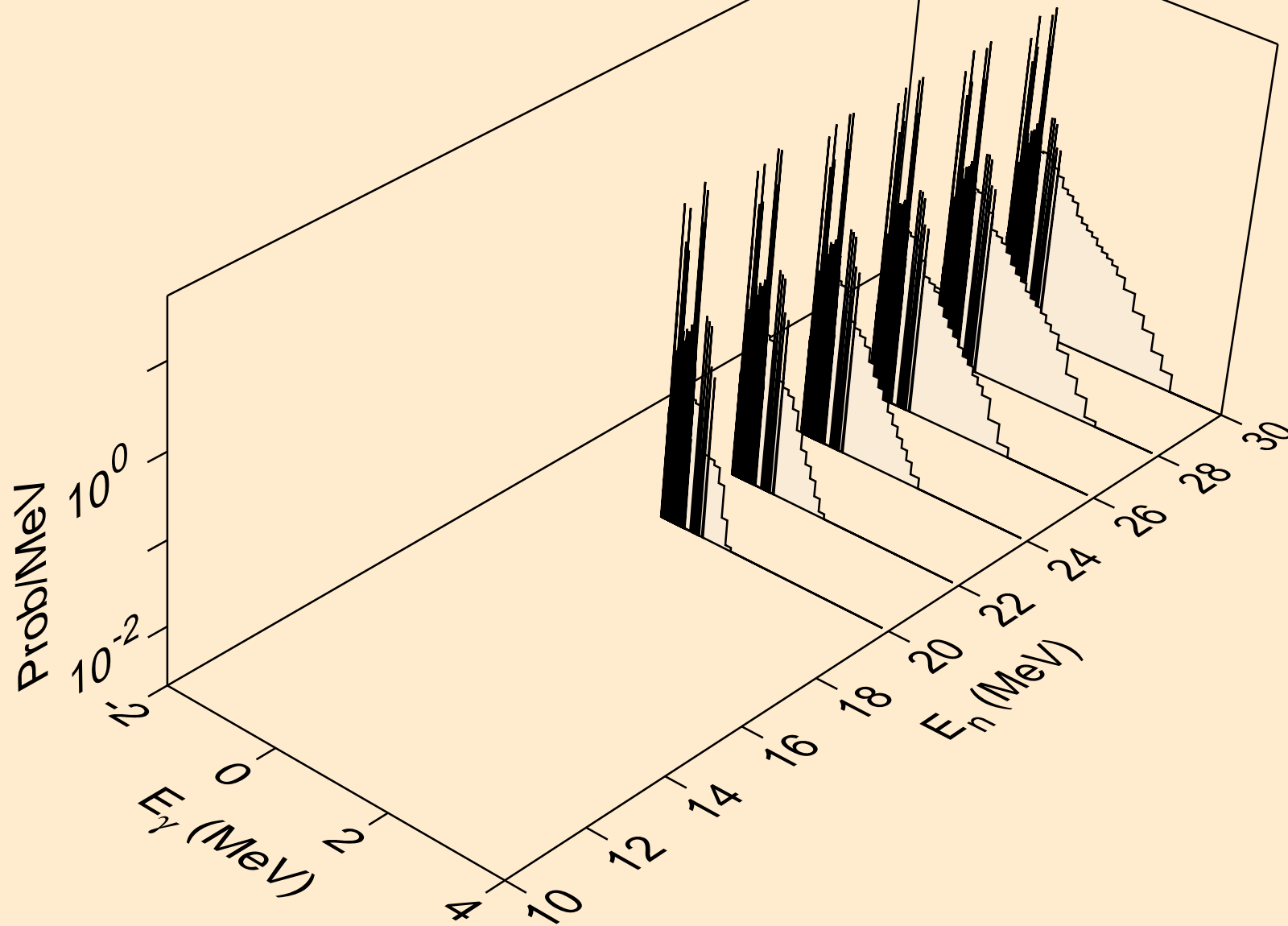
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



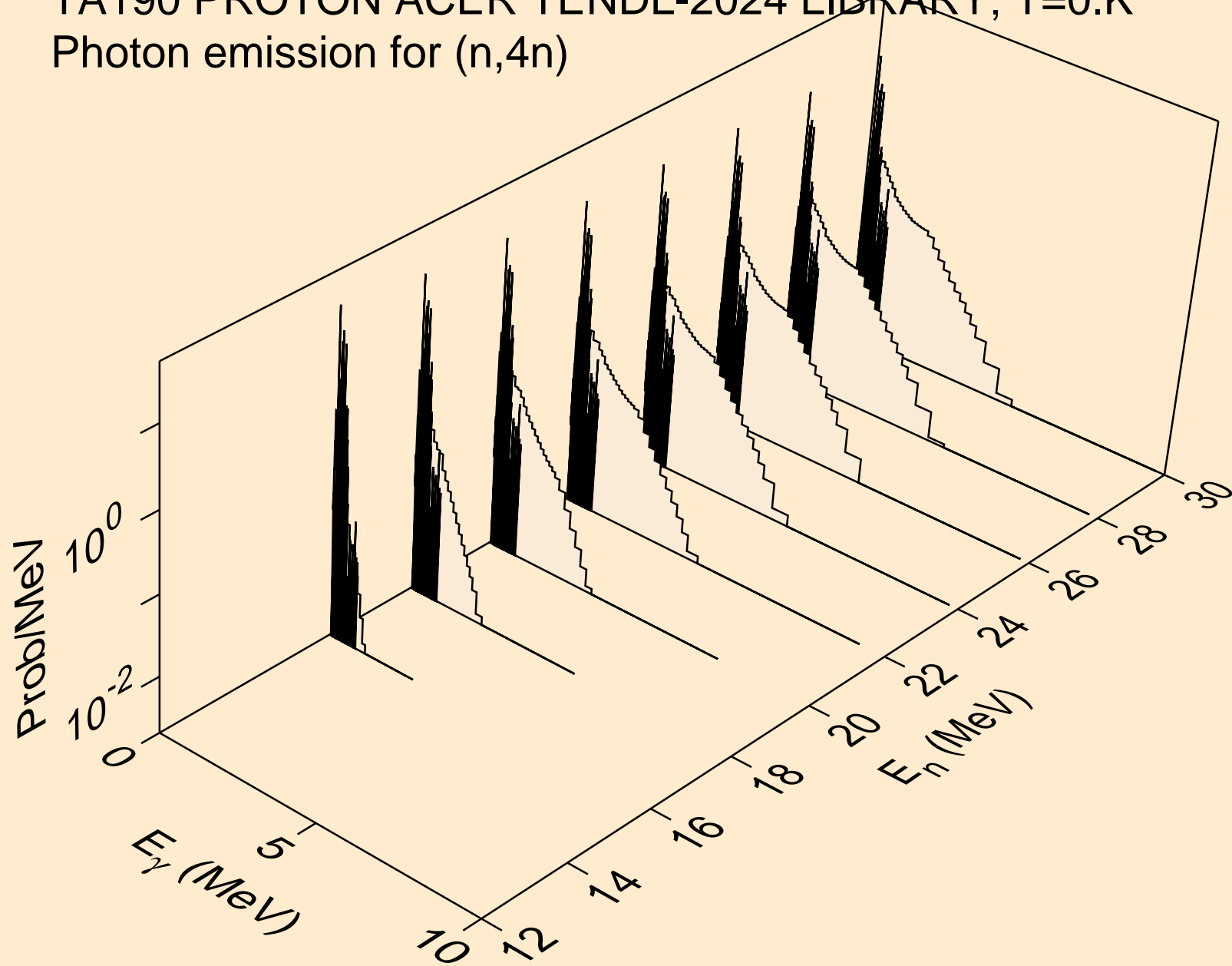
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



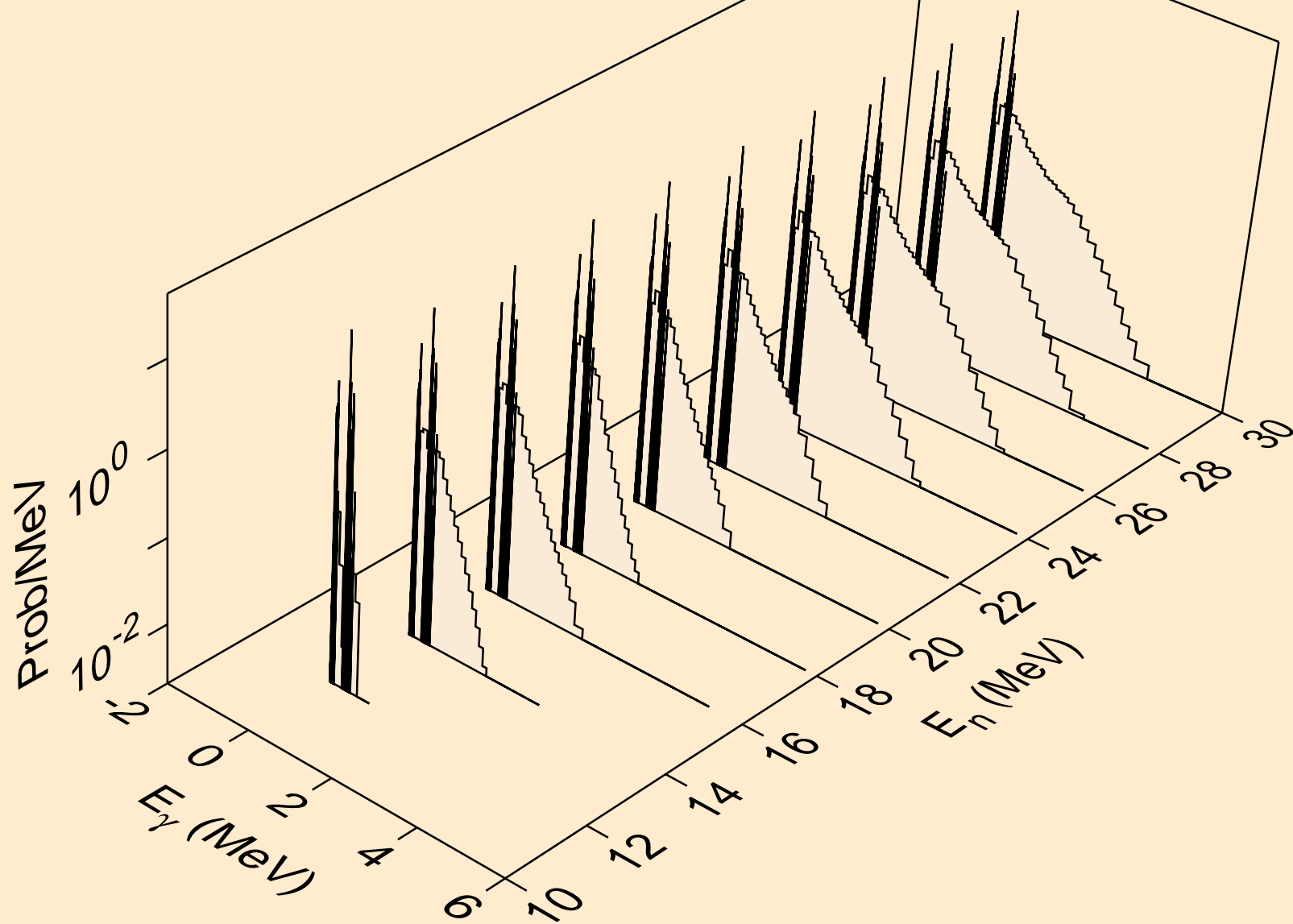
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Photon emission for (n,n\*)he3



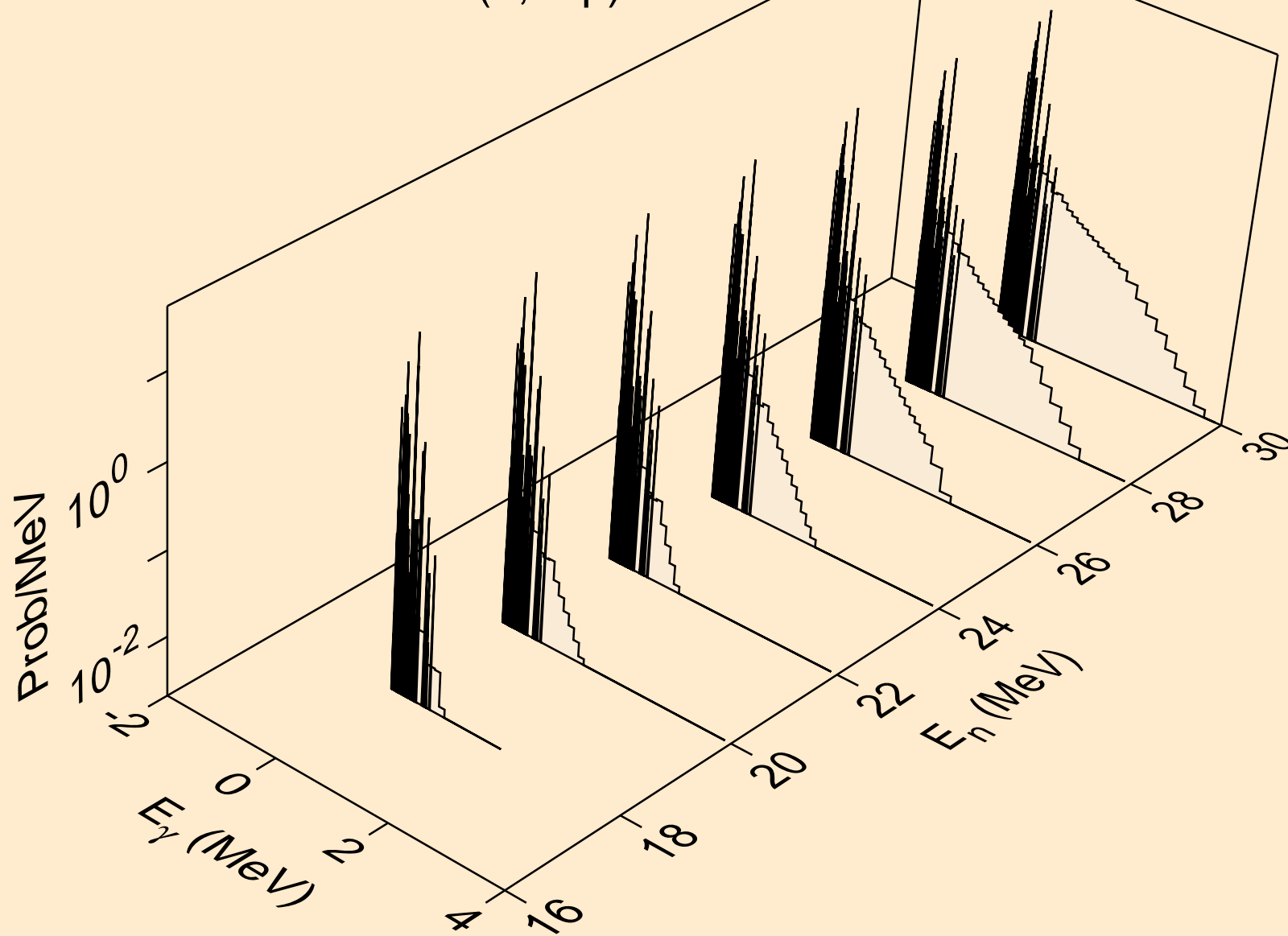
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Photon emission for (n,4n)



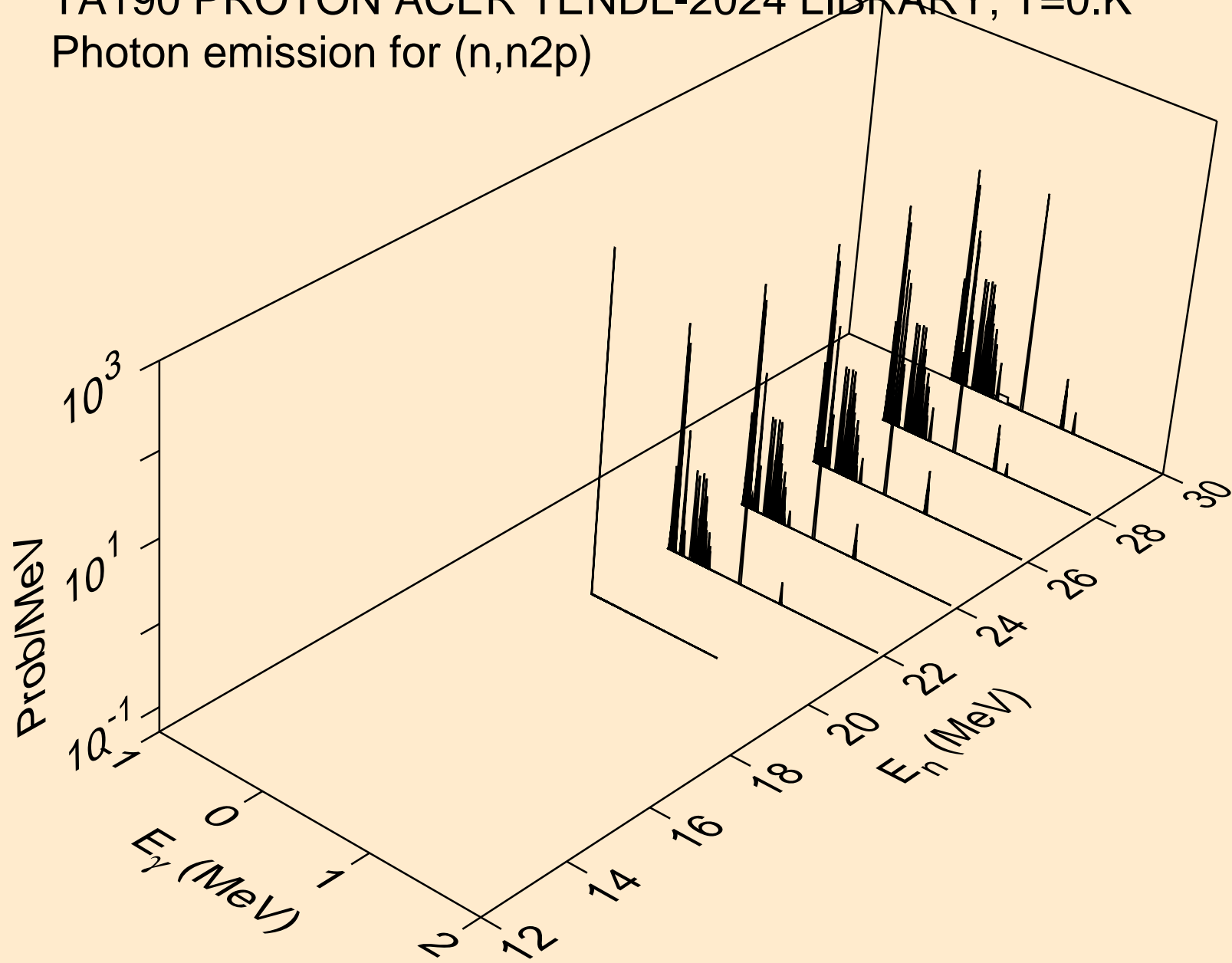
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Photon emission for (n,2np)



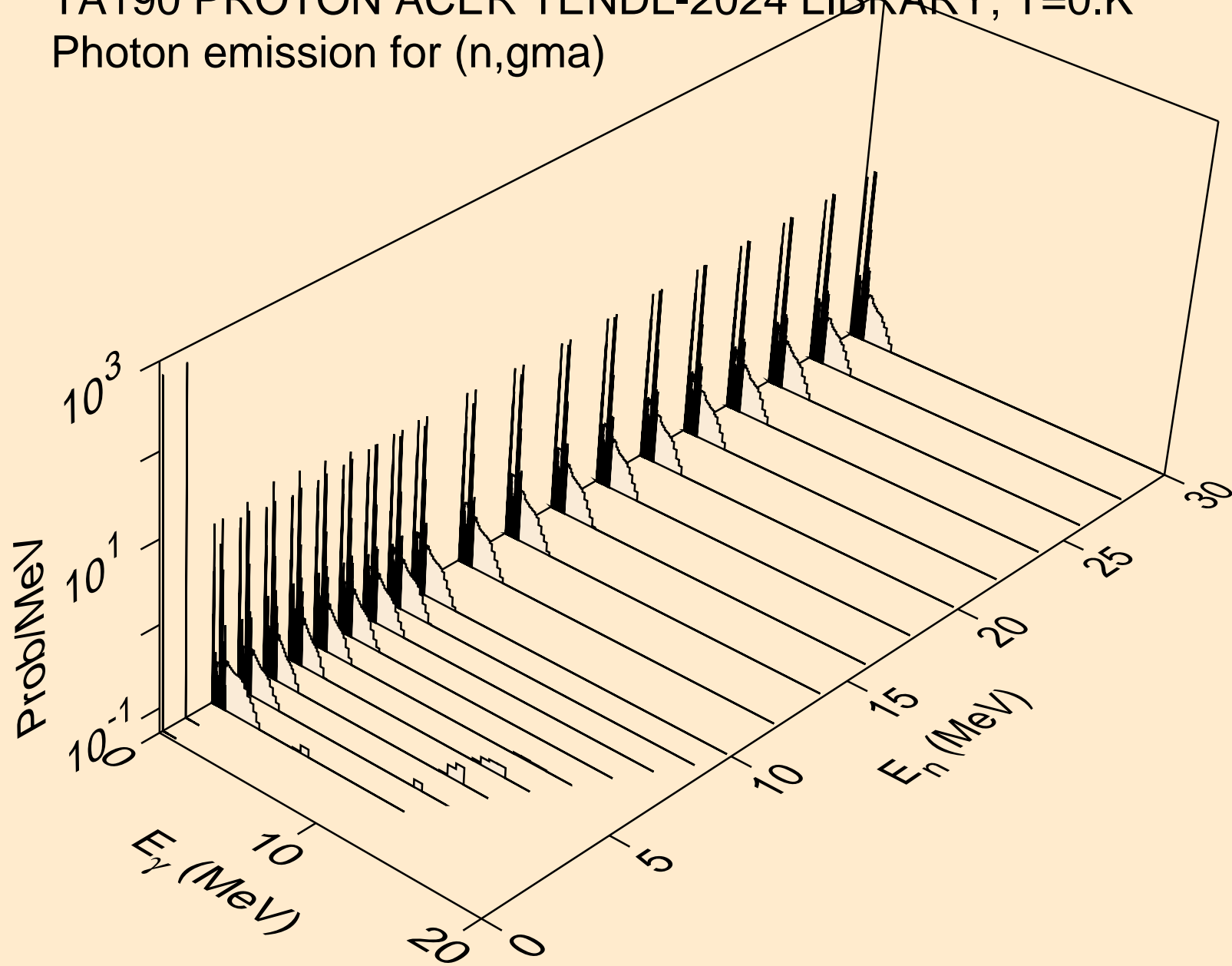
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Photon emission for (n,3np)



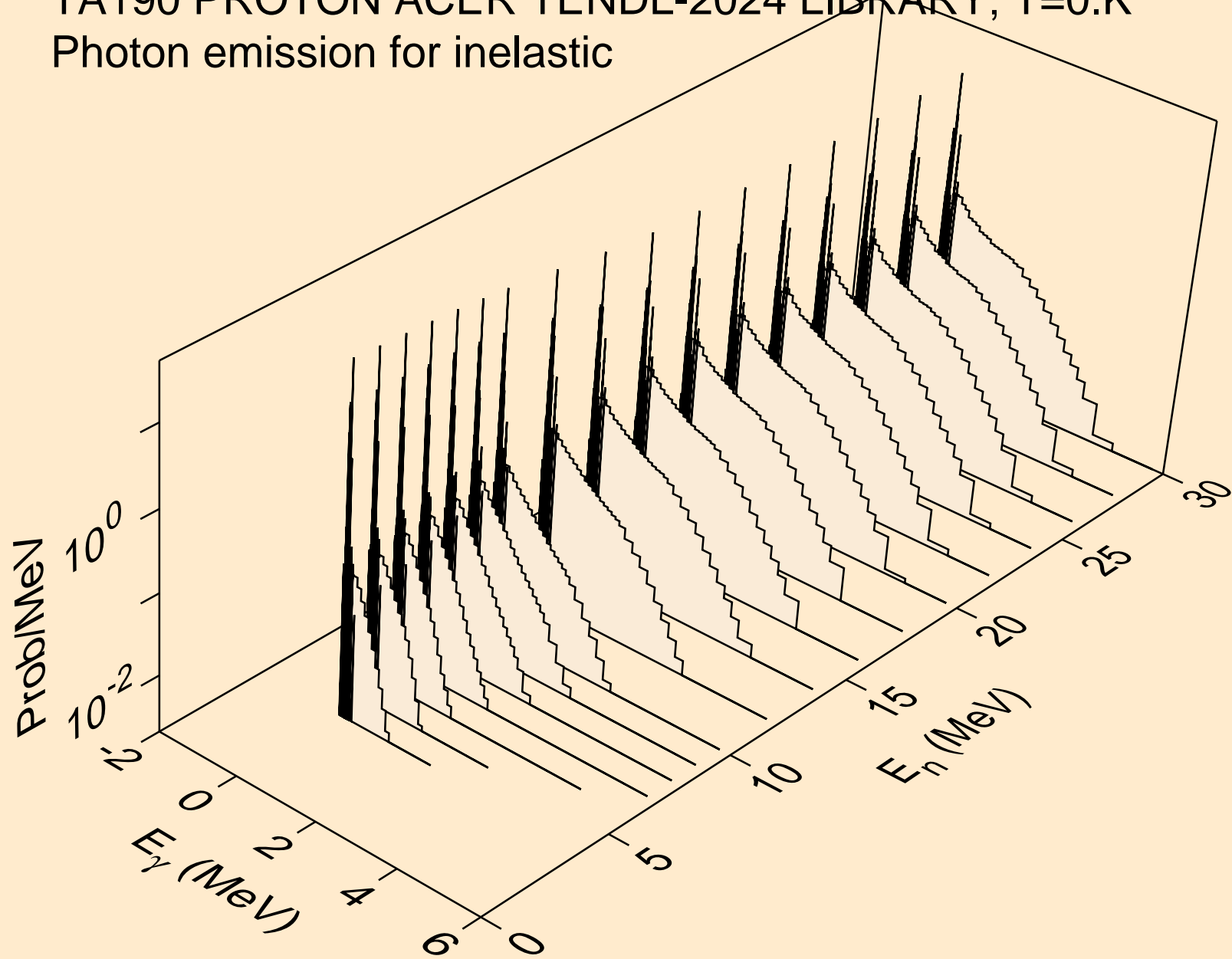
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Photon emission for (n,n2p)



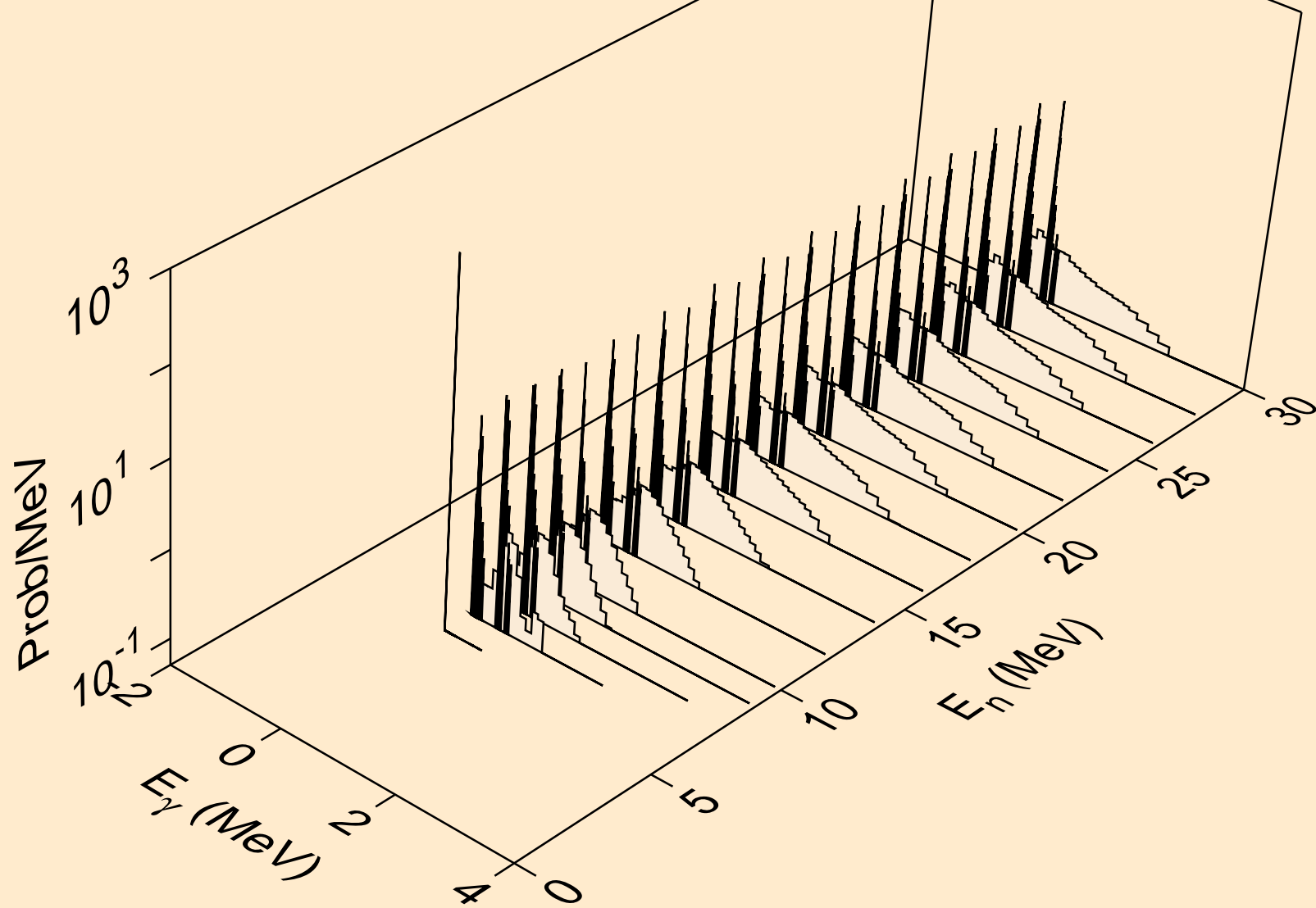
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Photon emission for (n,gma)



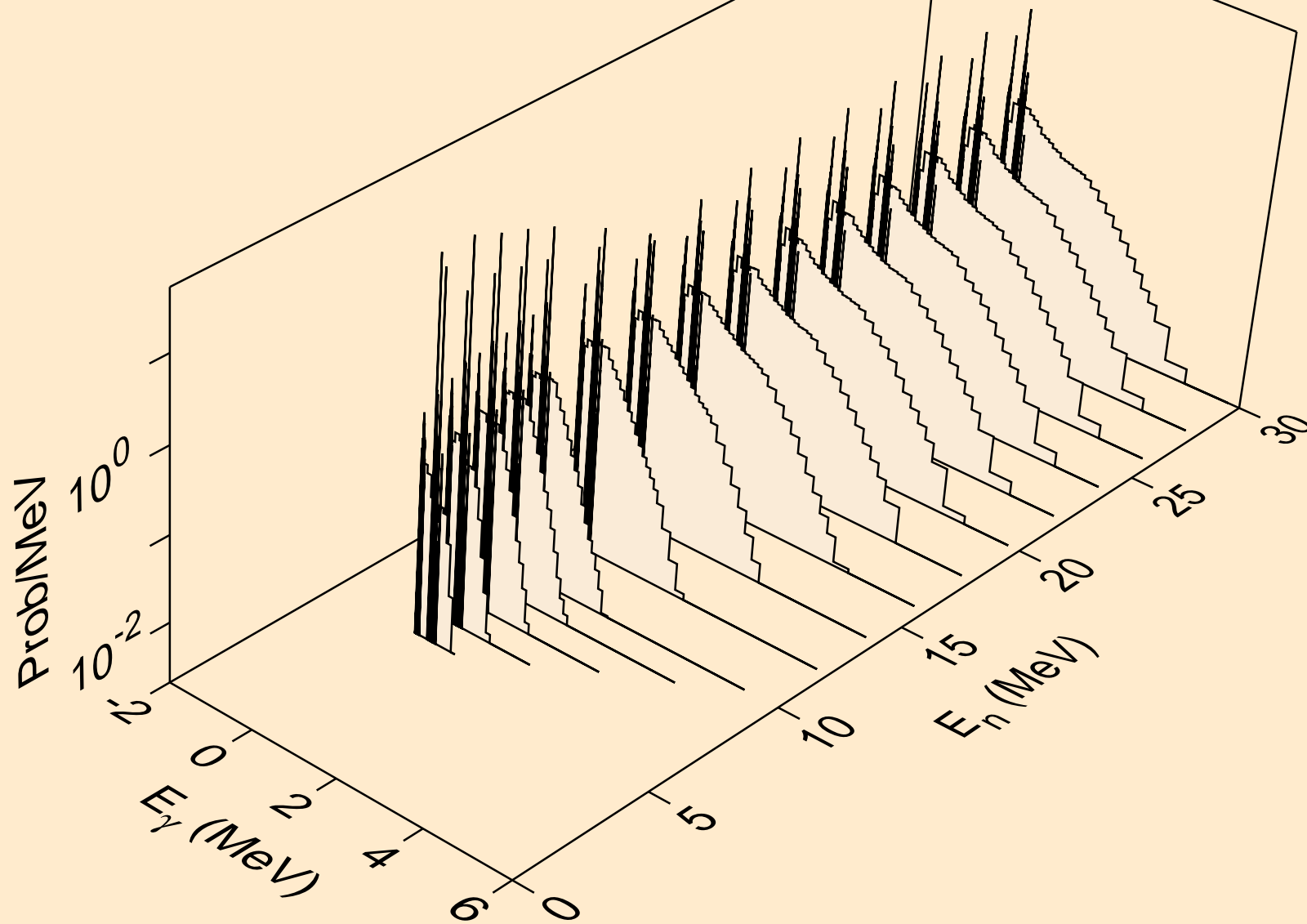
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



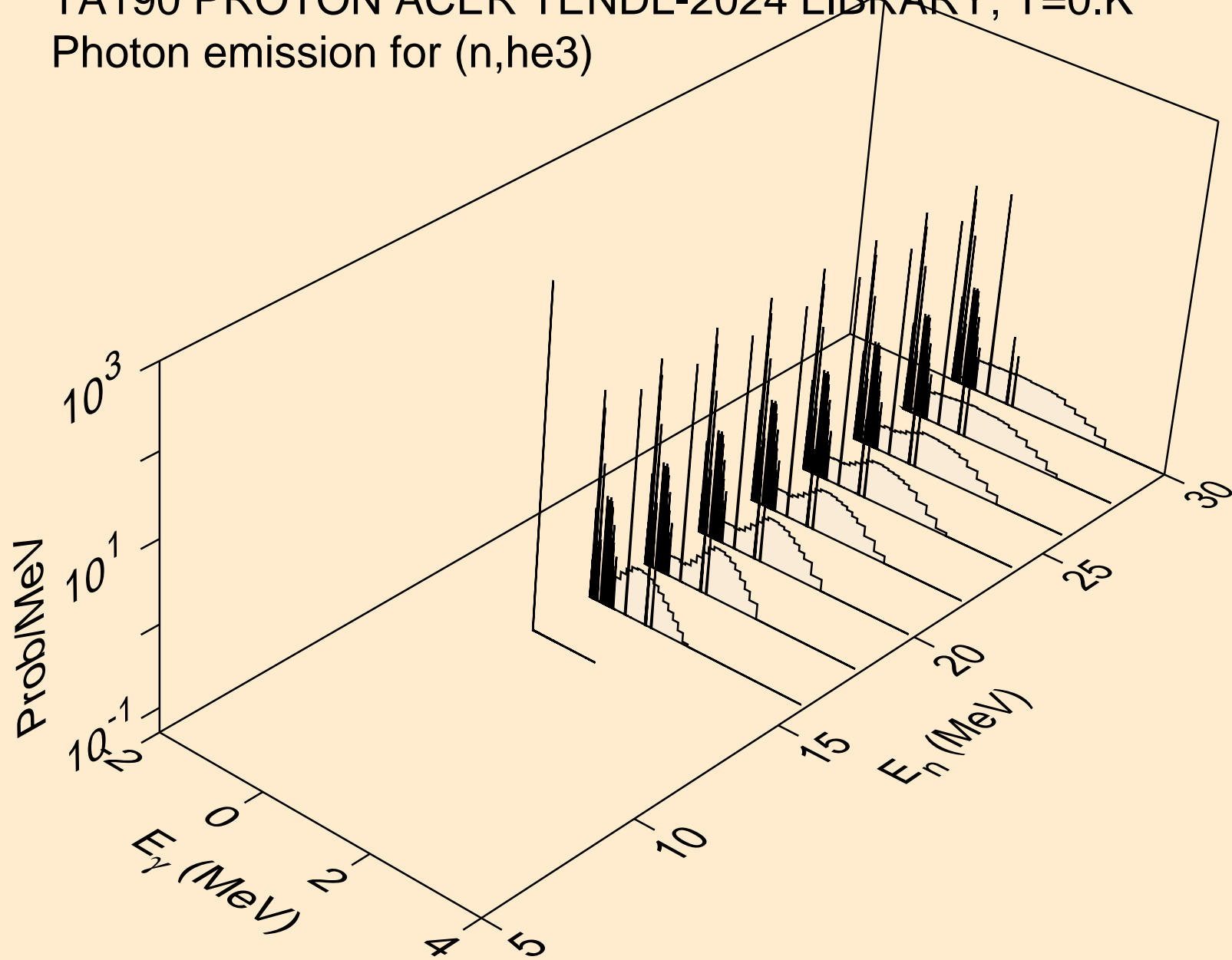
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Photon emission for (n,d)



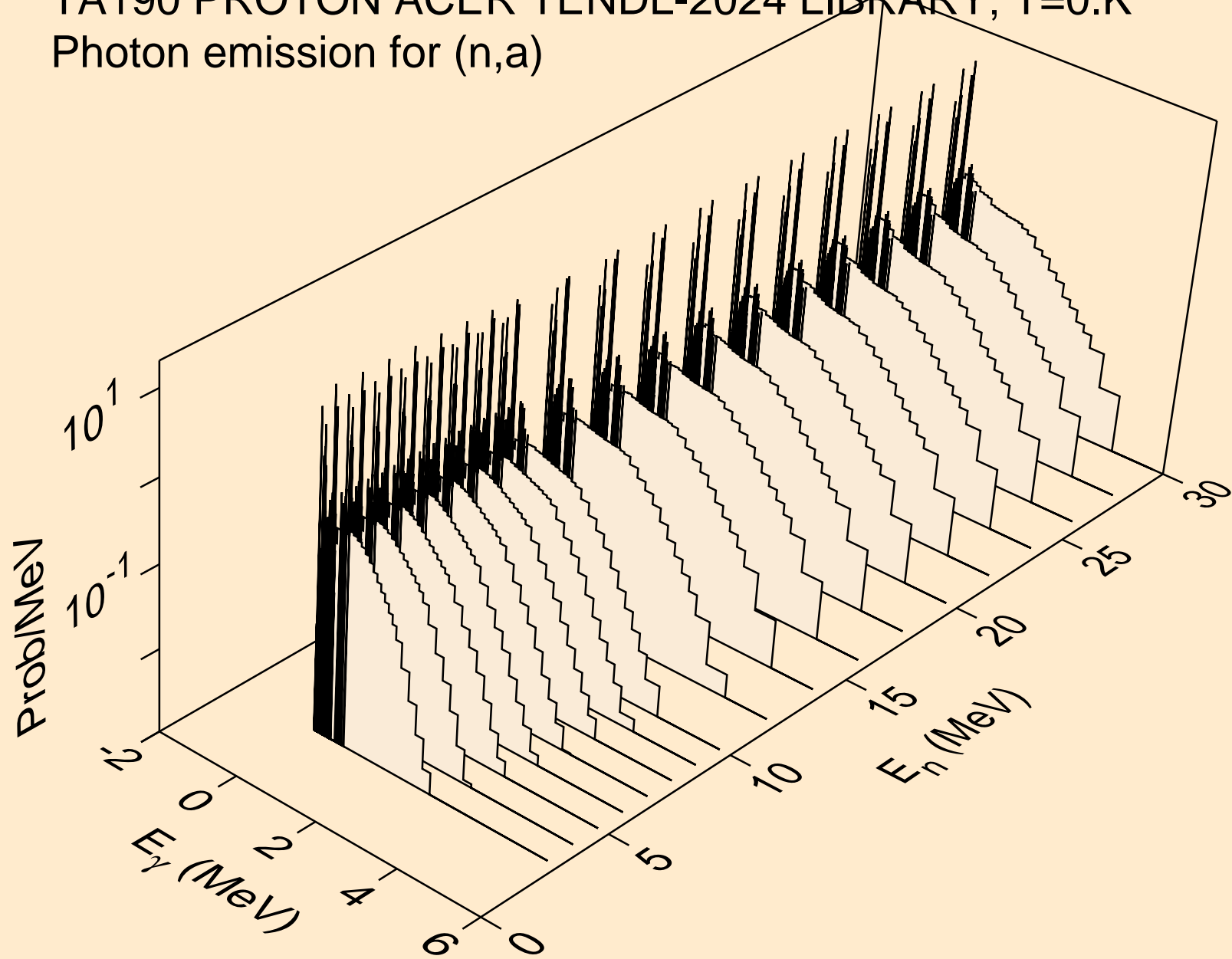
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Photon emission for (n,t)



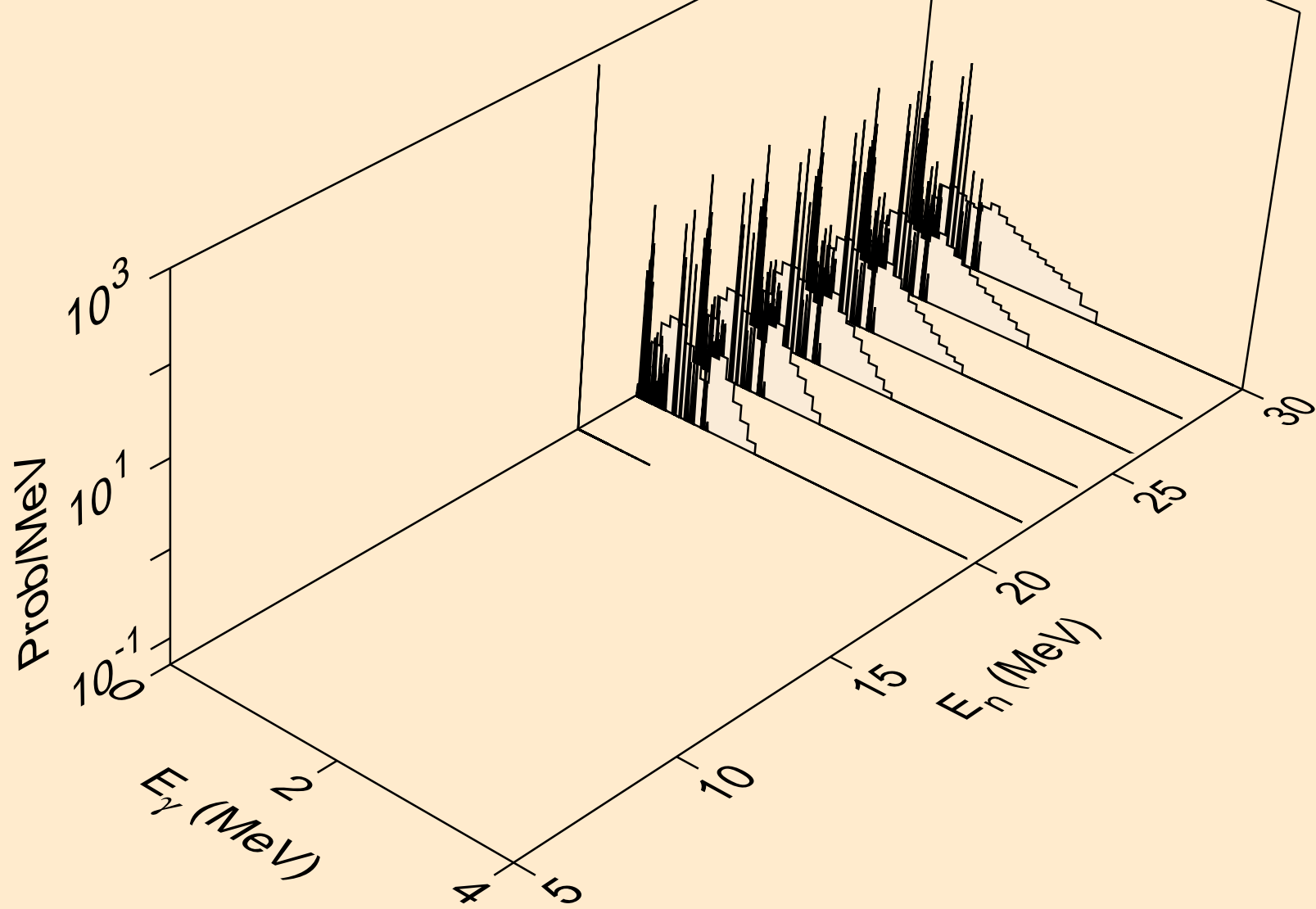
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Photon emission for (n,he3)



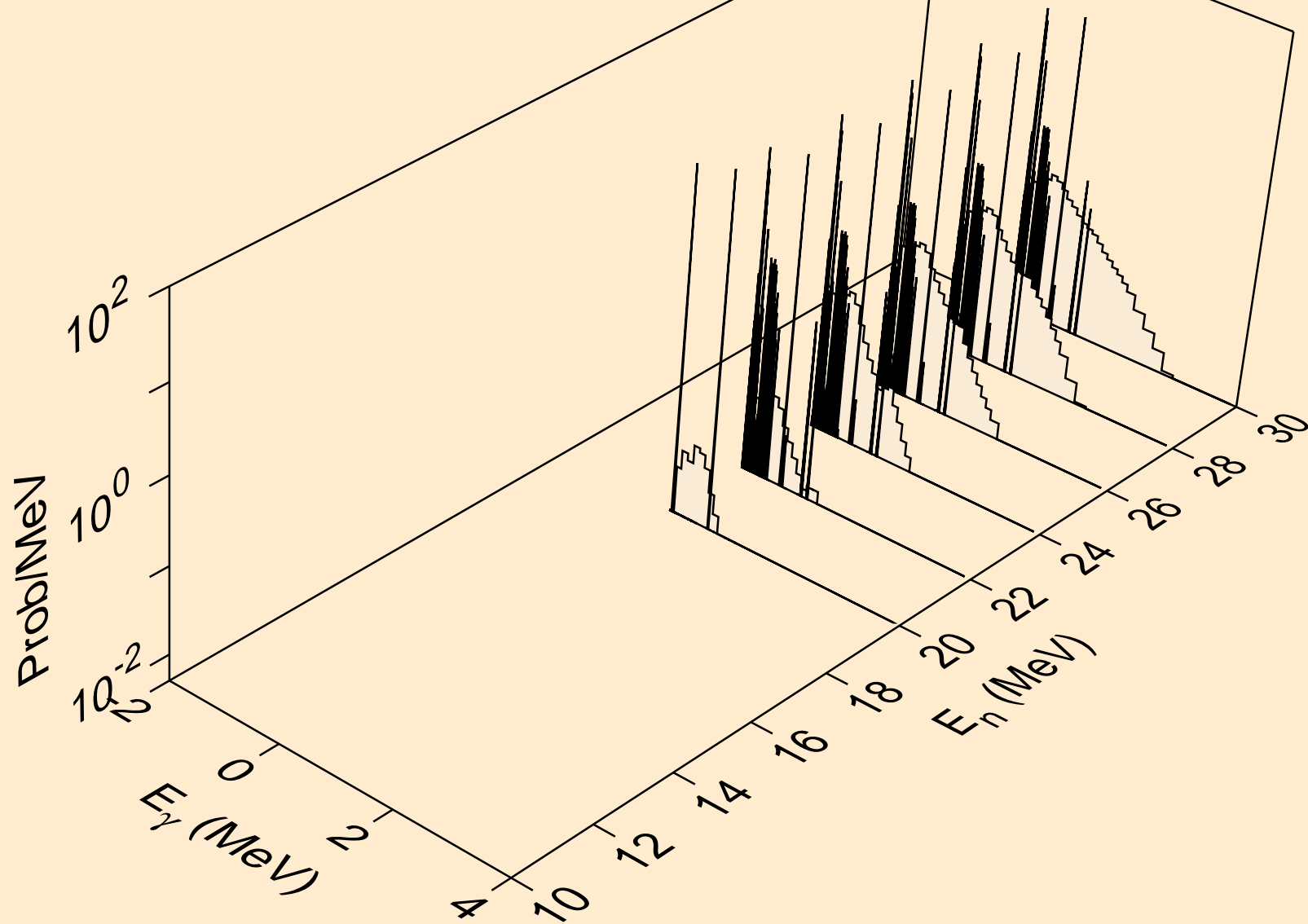
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Photon emission for (n,a)



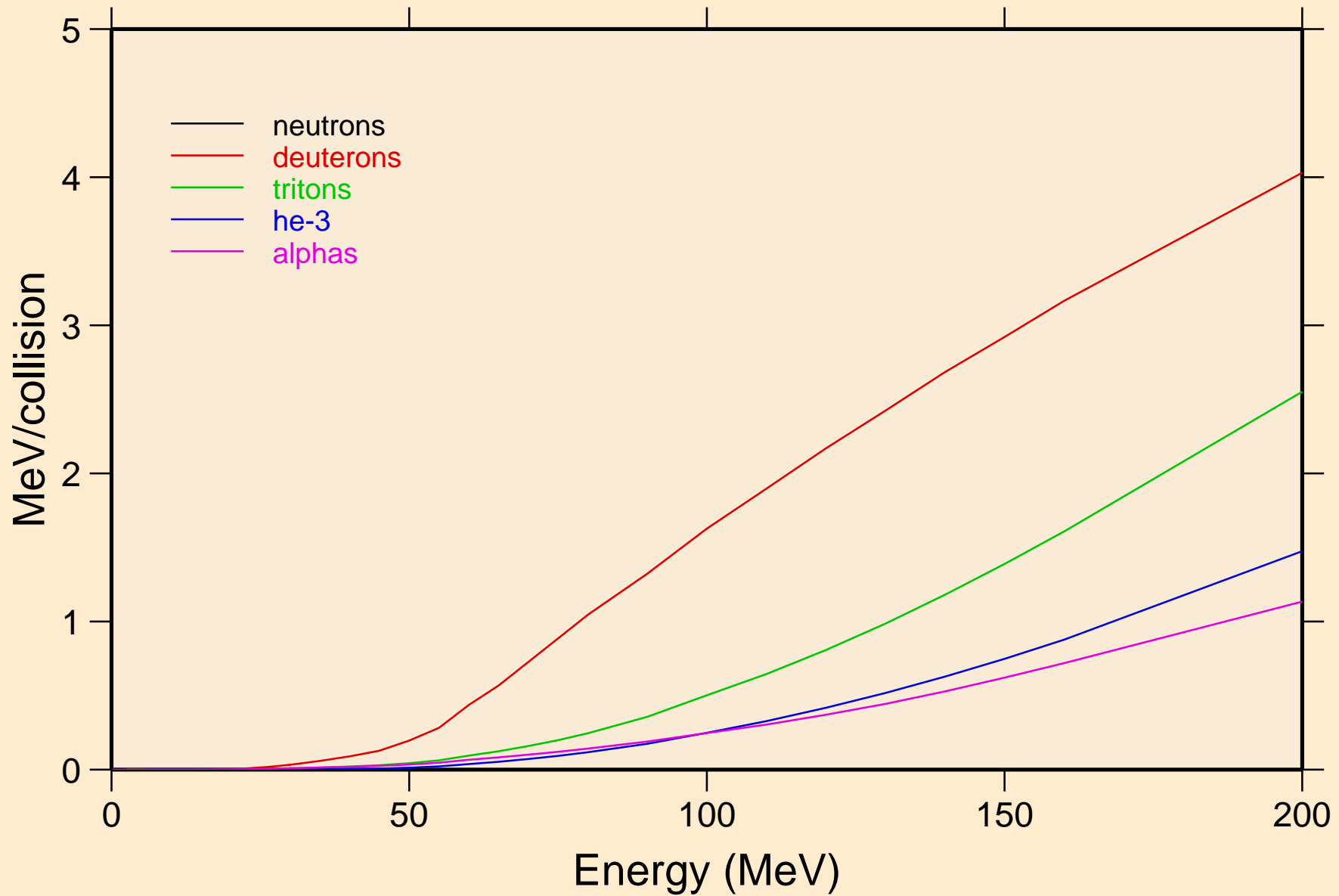
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Photon emission for (n,2p)



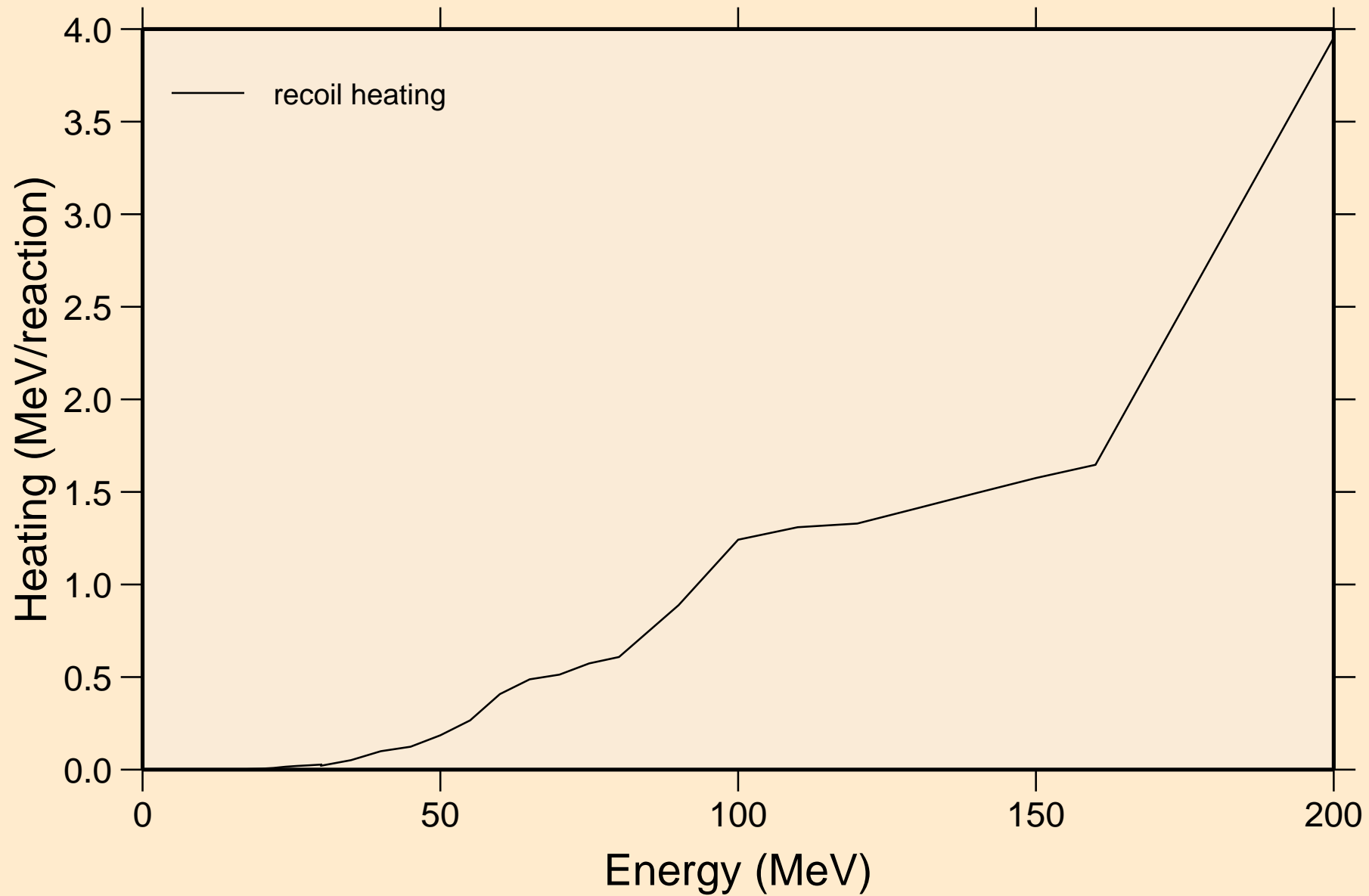
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Photon emission for (n,pd)



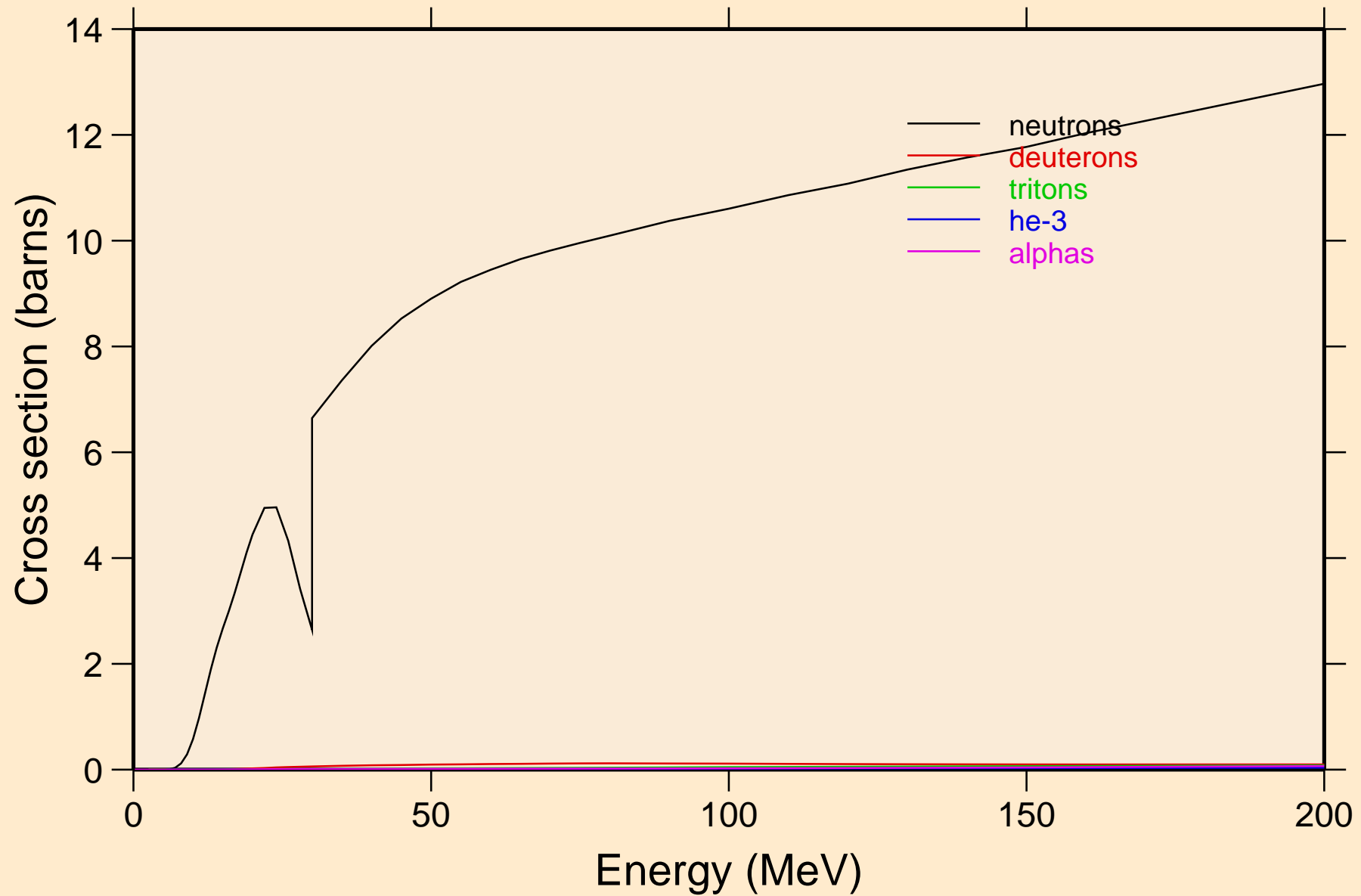
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Particle heating contributions



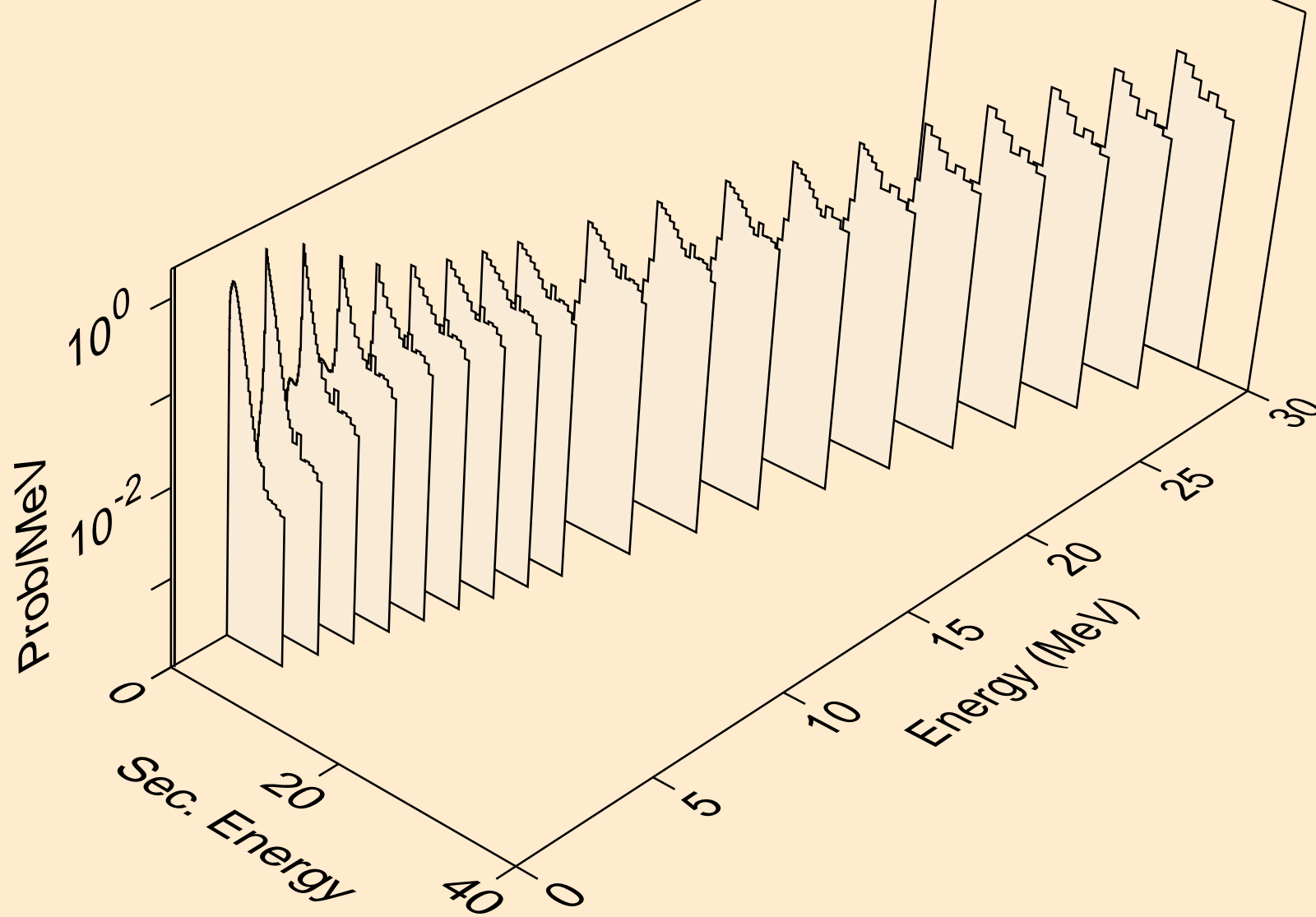
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Recoil Heating



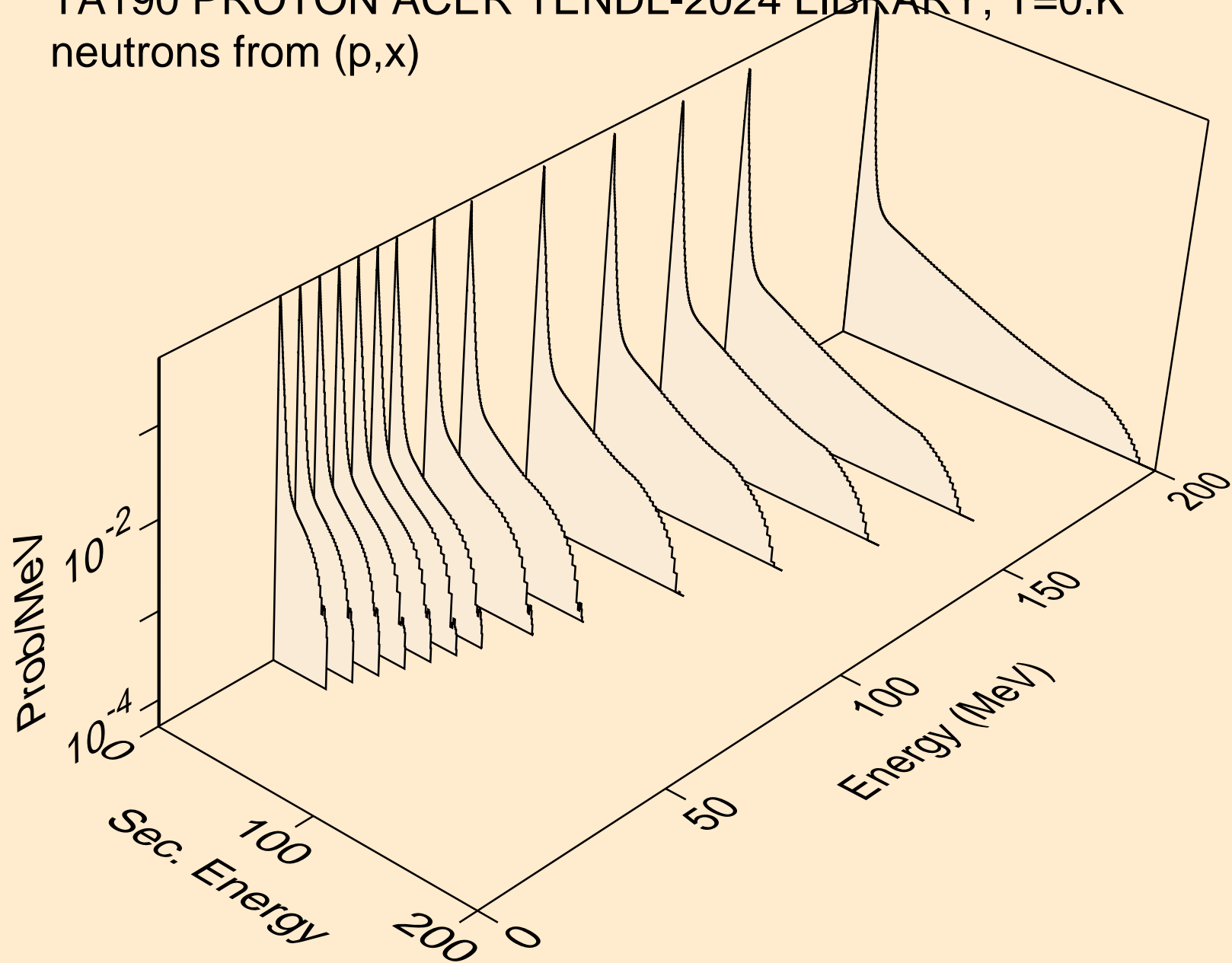
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



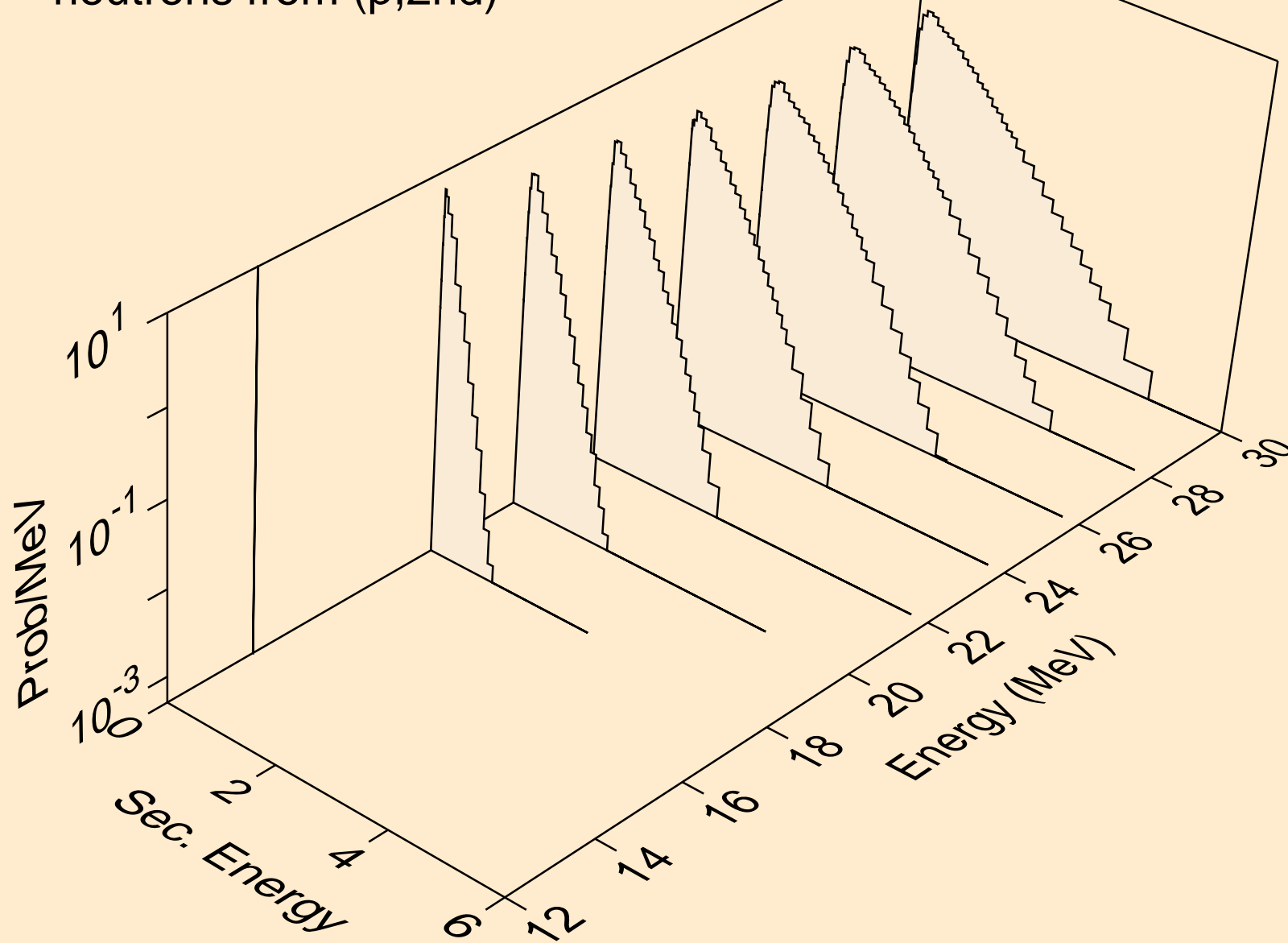
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



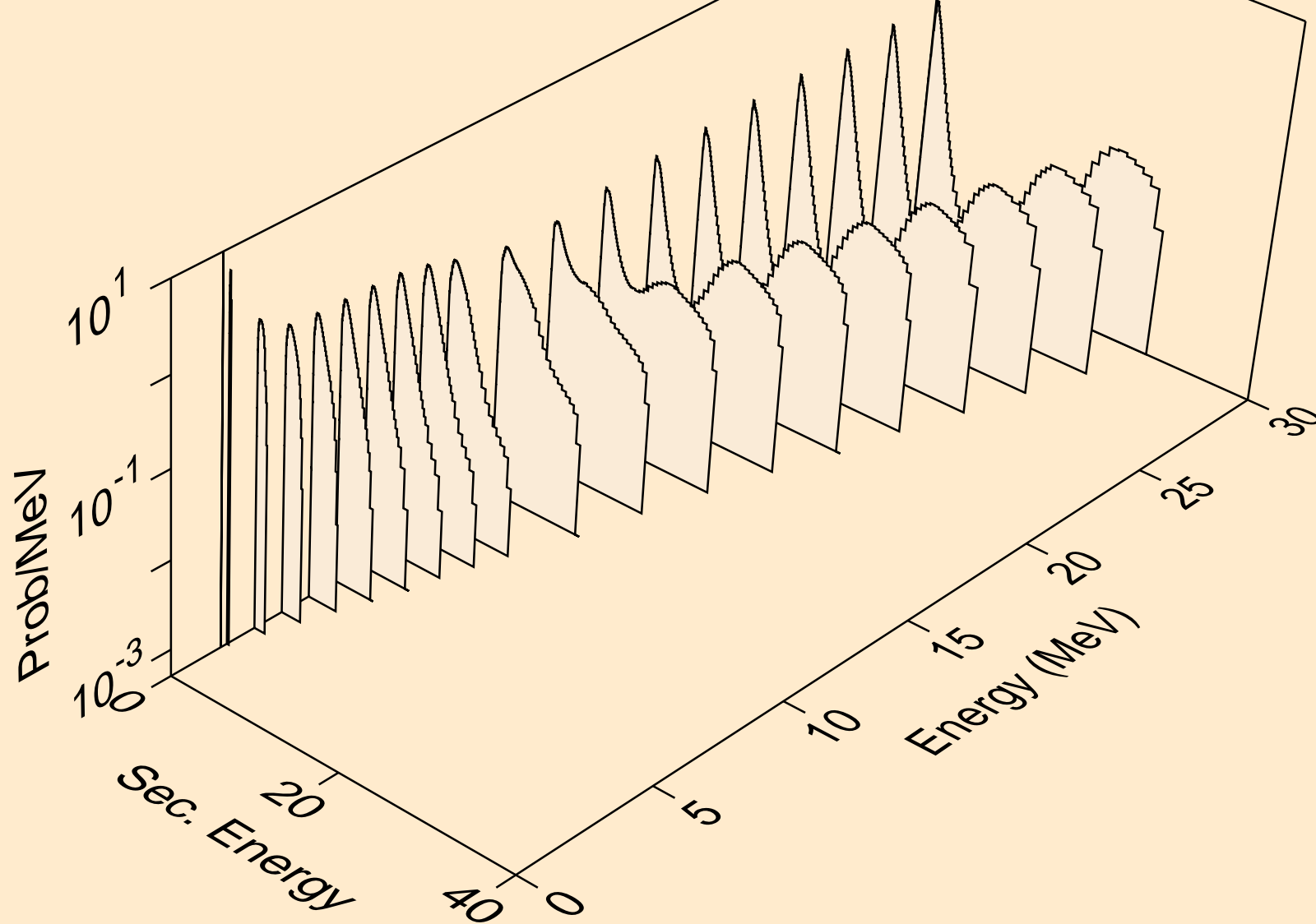
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neutrons from (p,x)



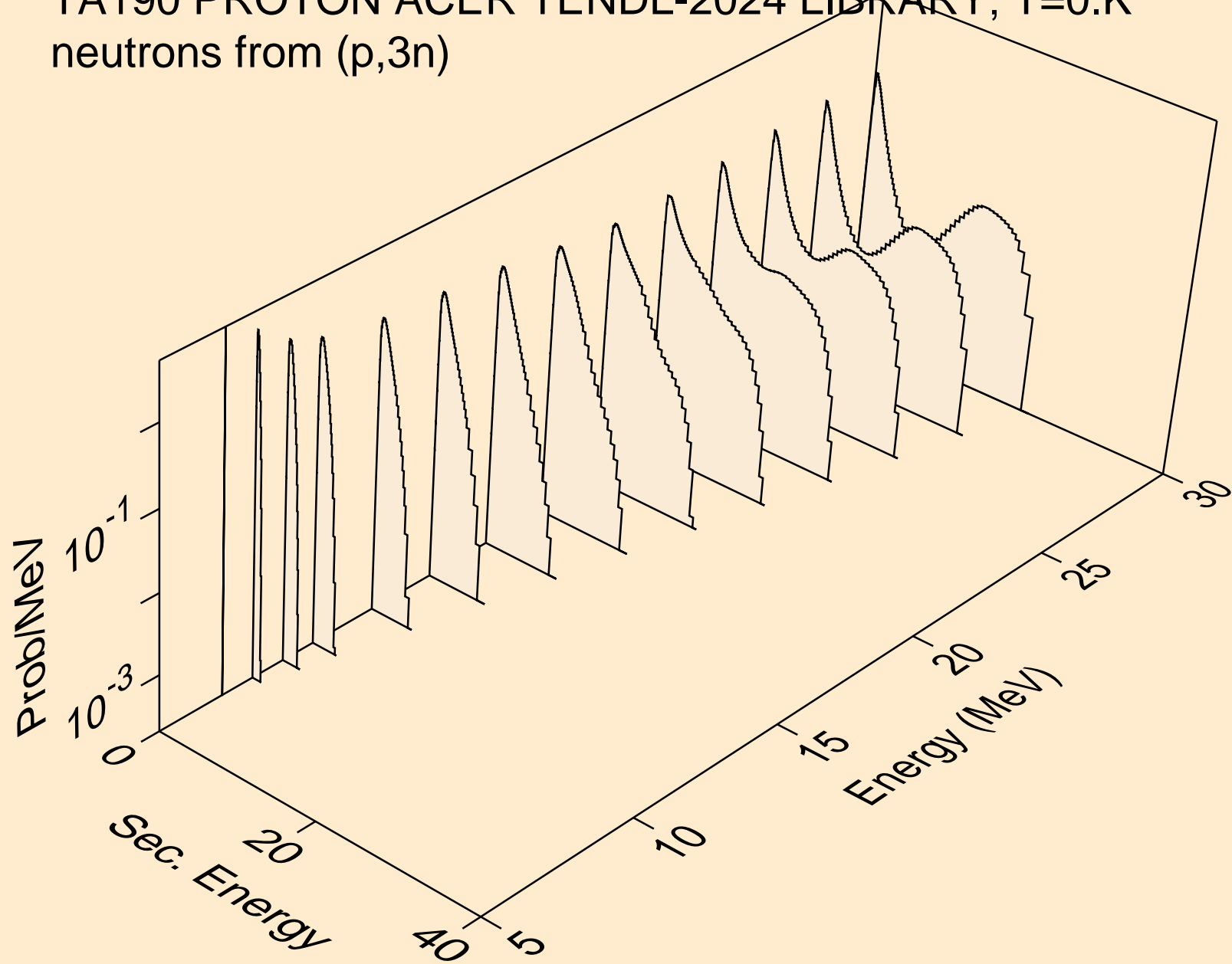
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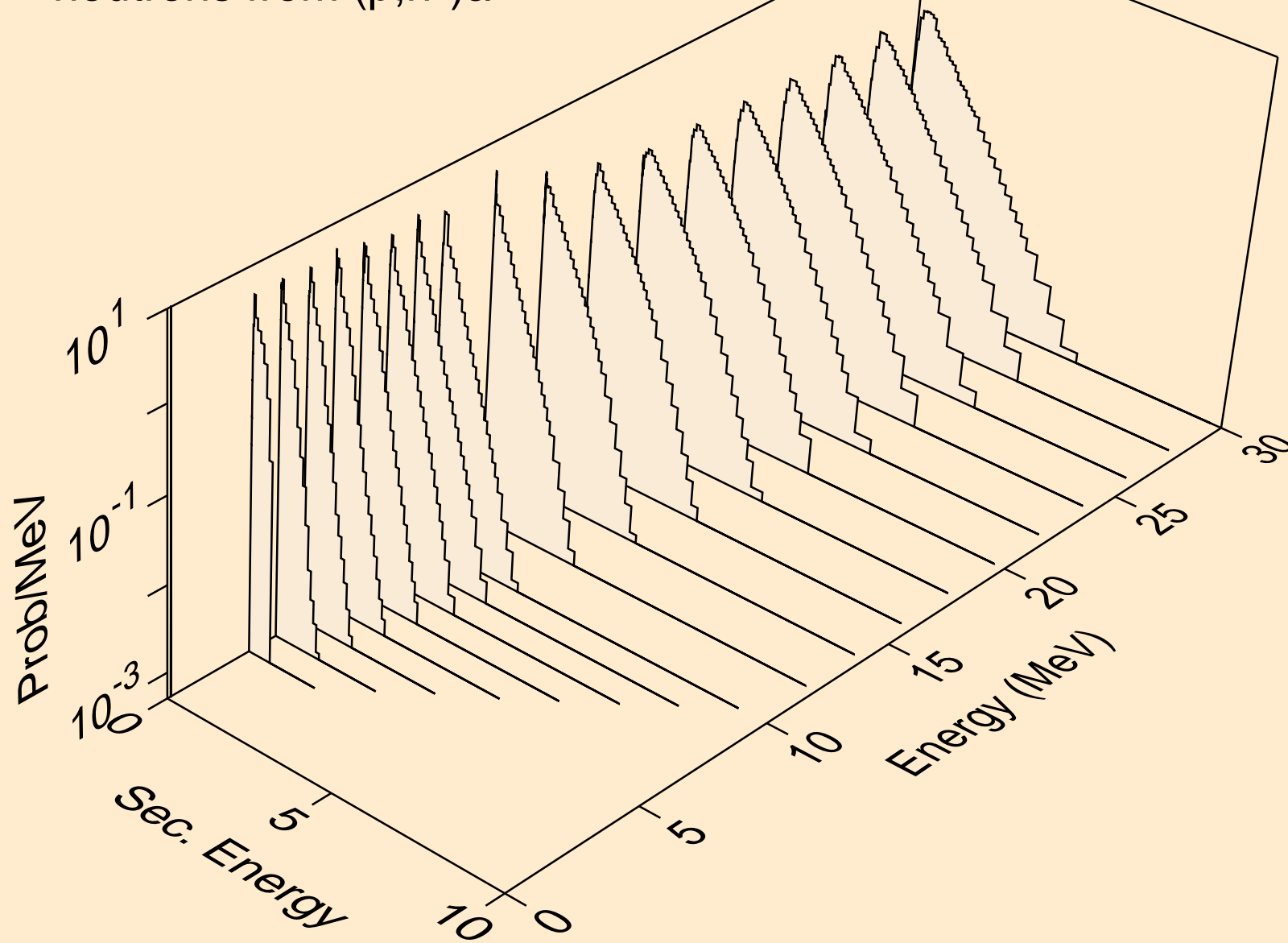
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neutrons from (p,2n)



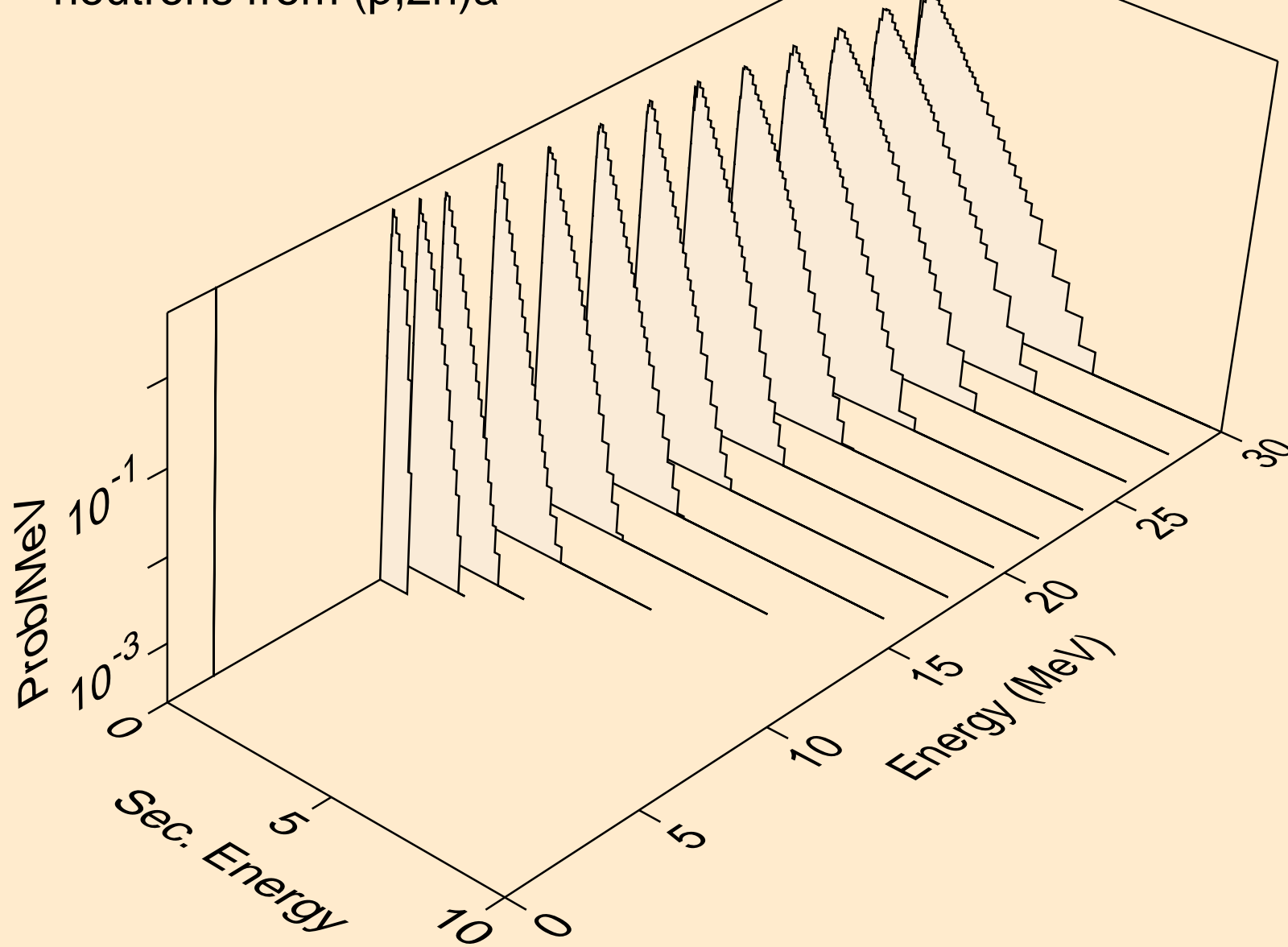
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neutrons from (p,3n)



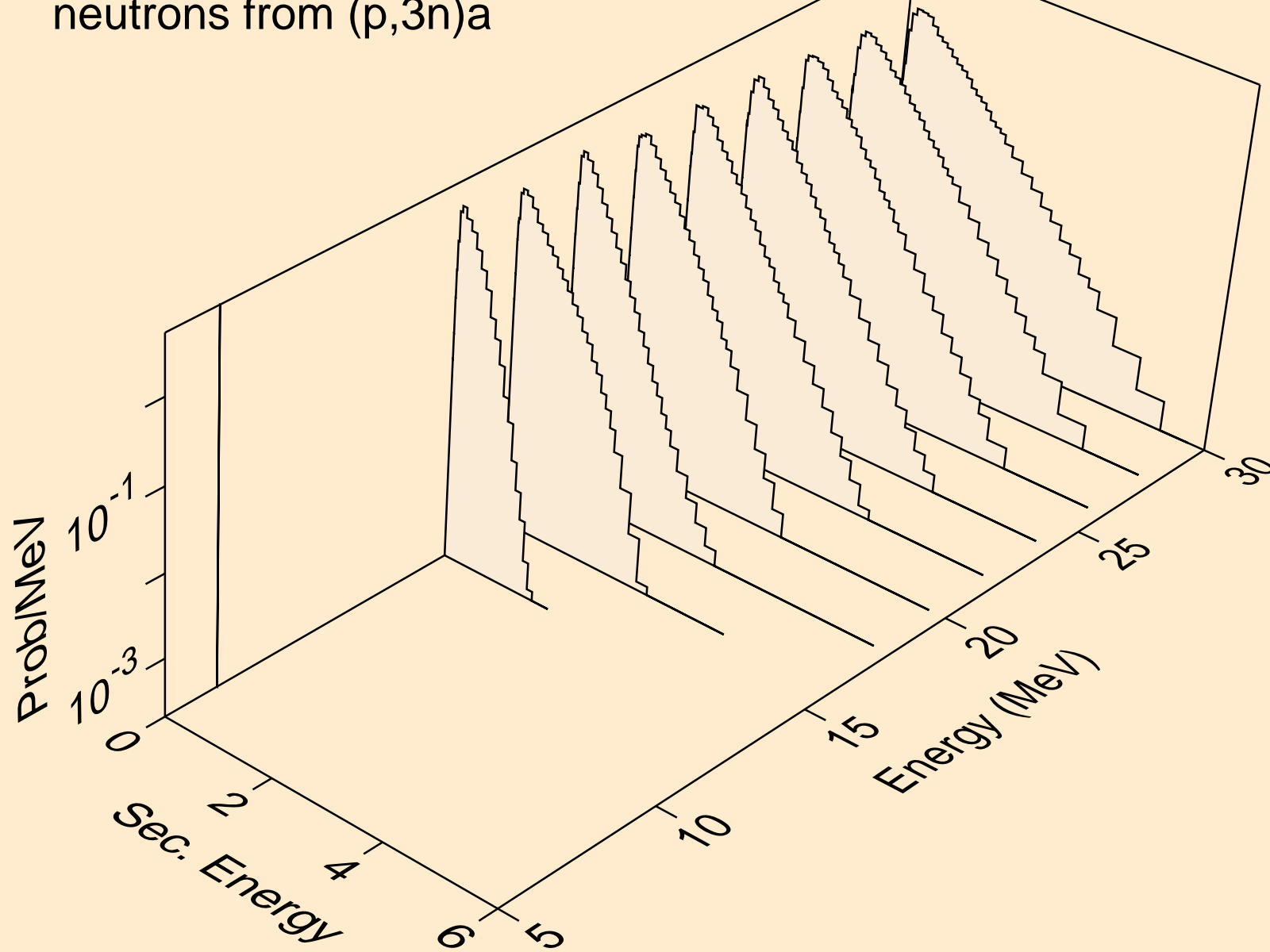
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



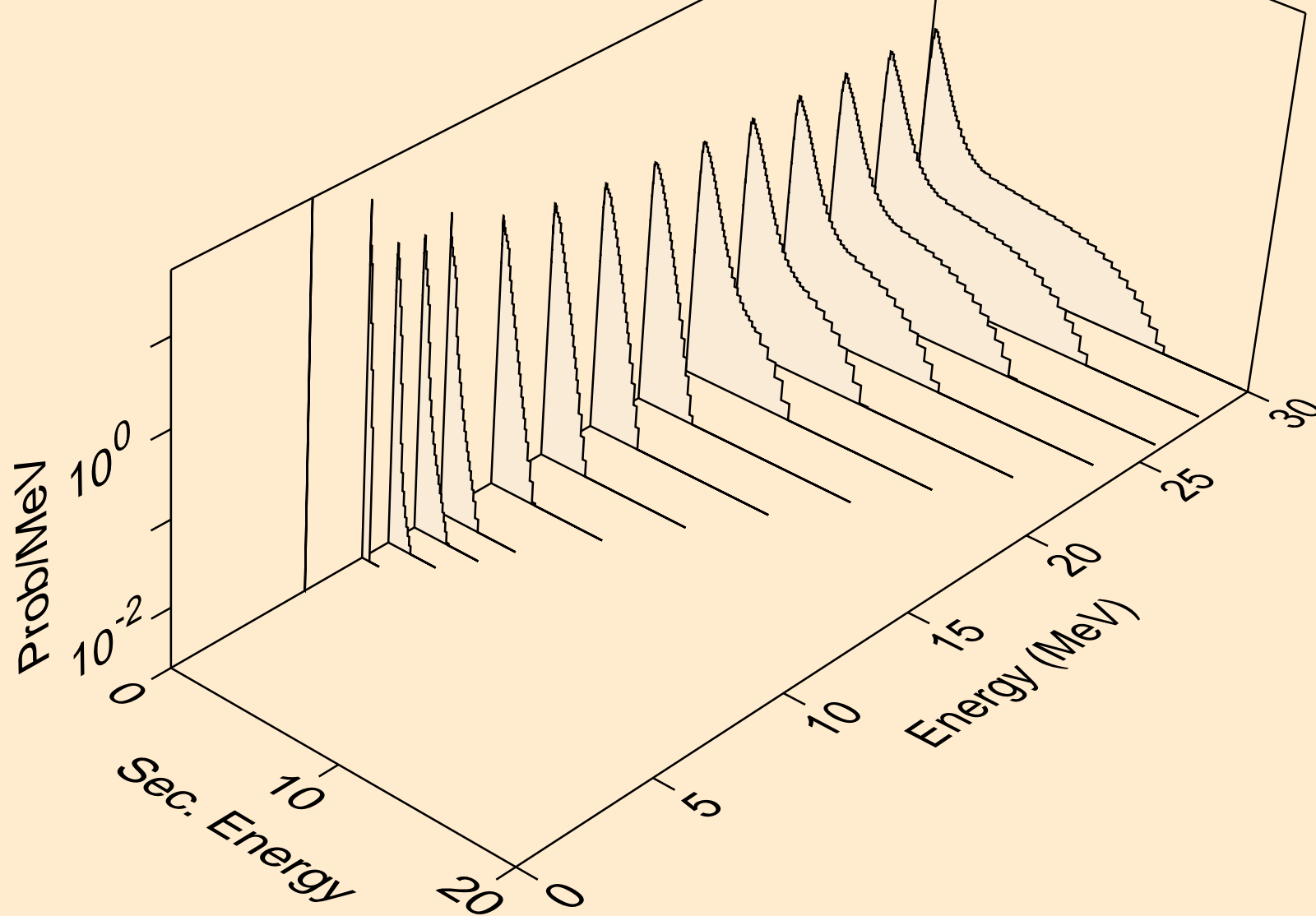
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neutrons from (p,2n)a



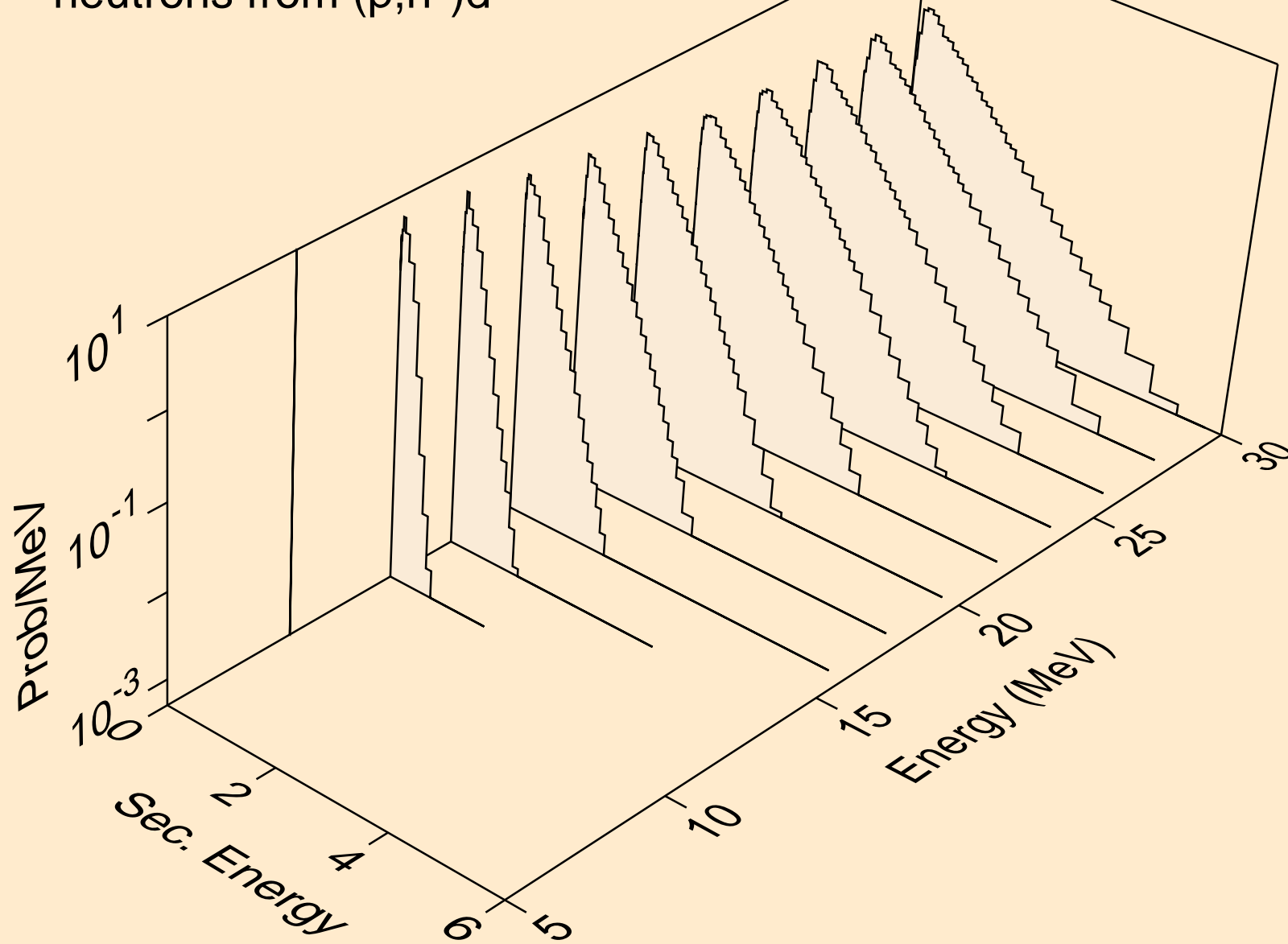
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neutrons from (p,3n)a



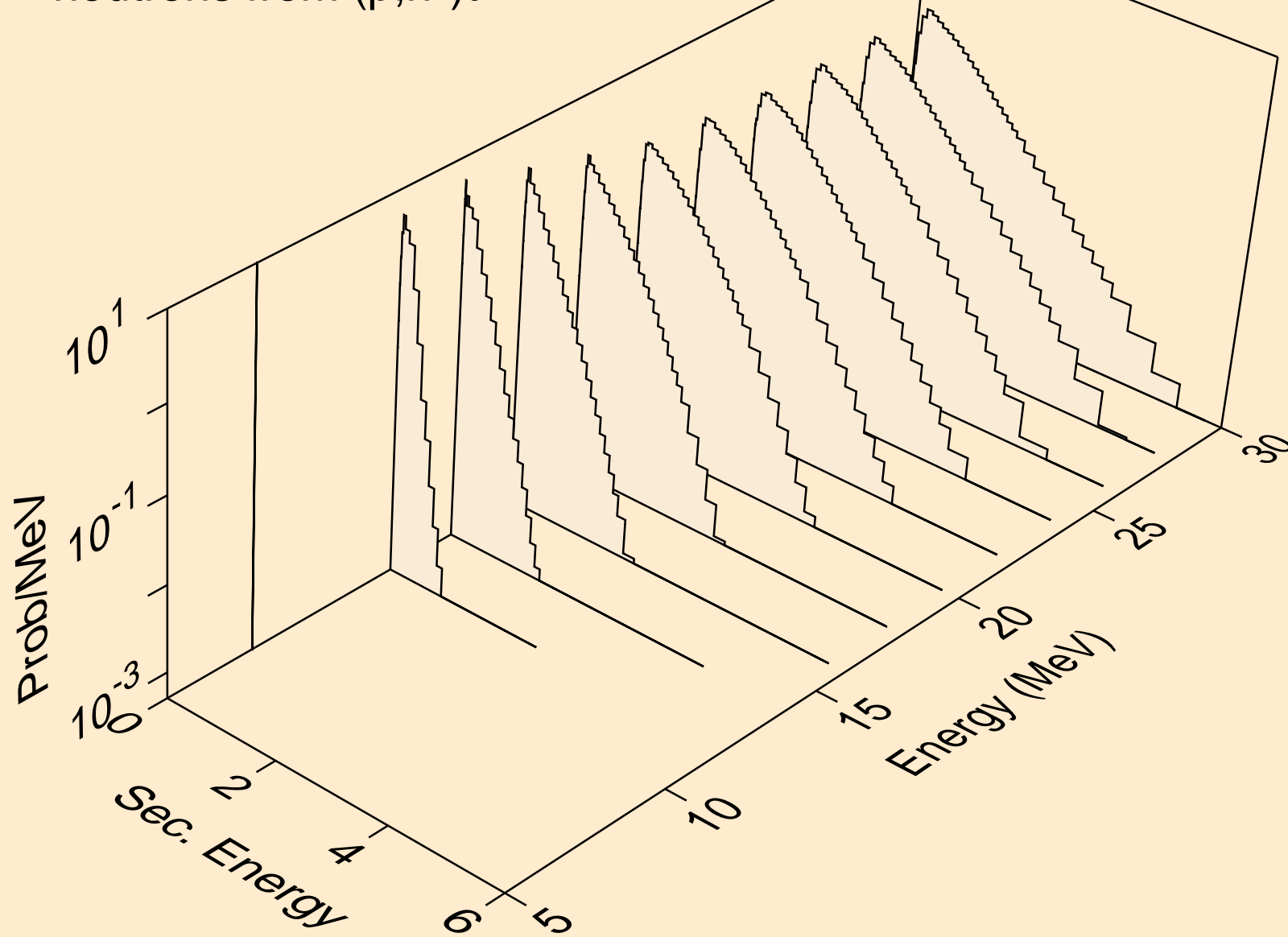
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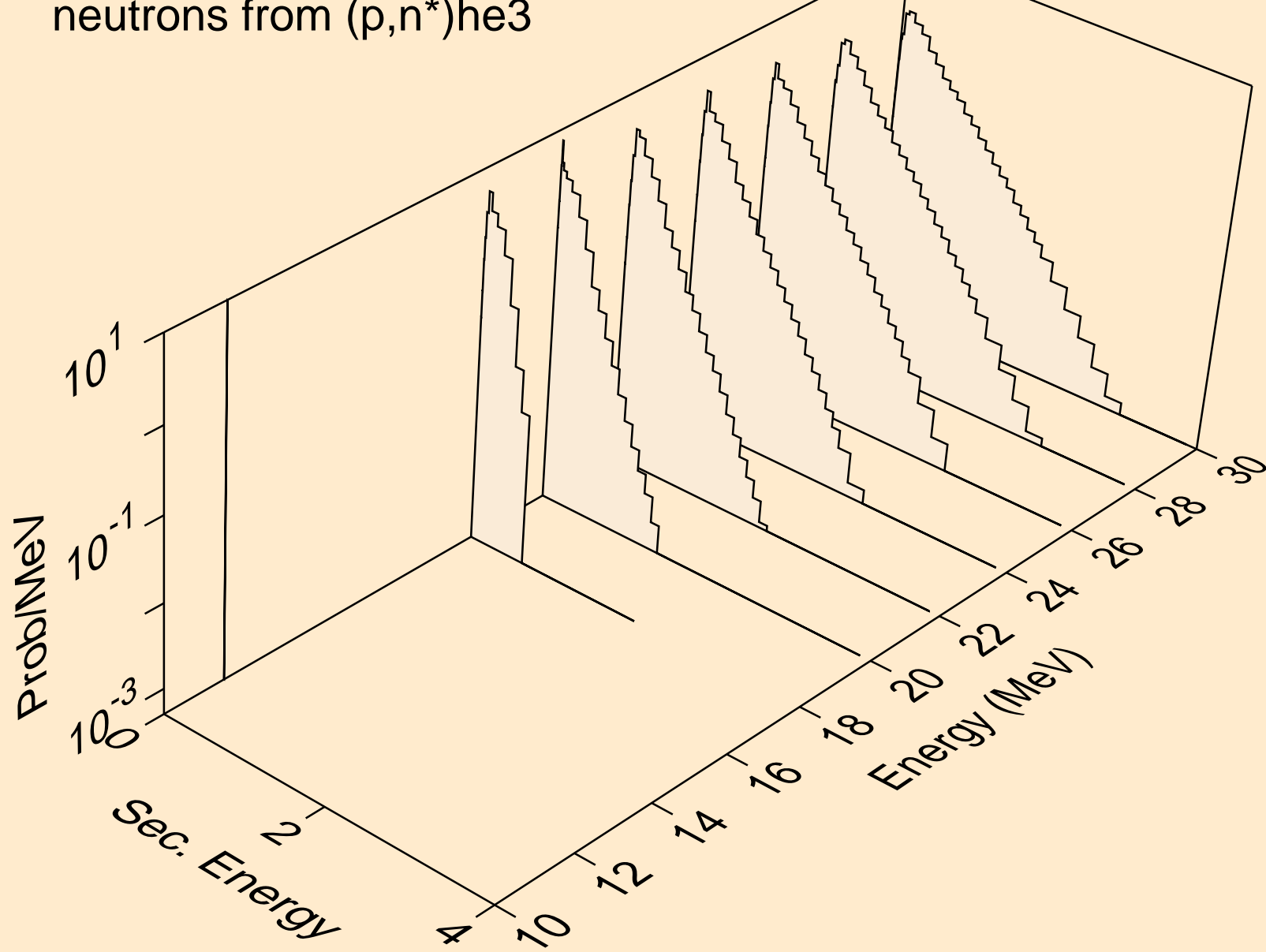
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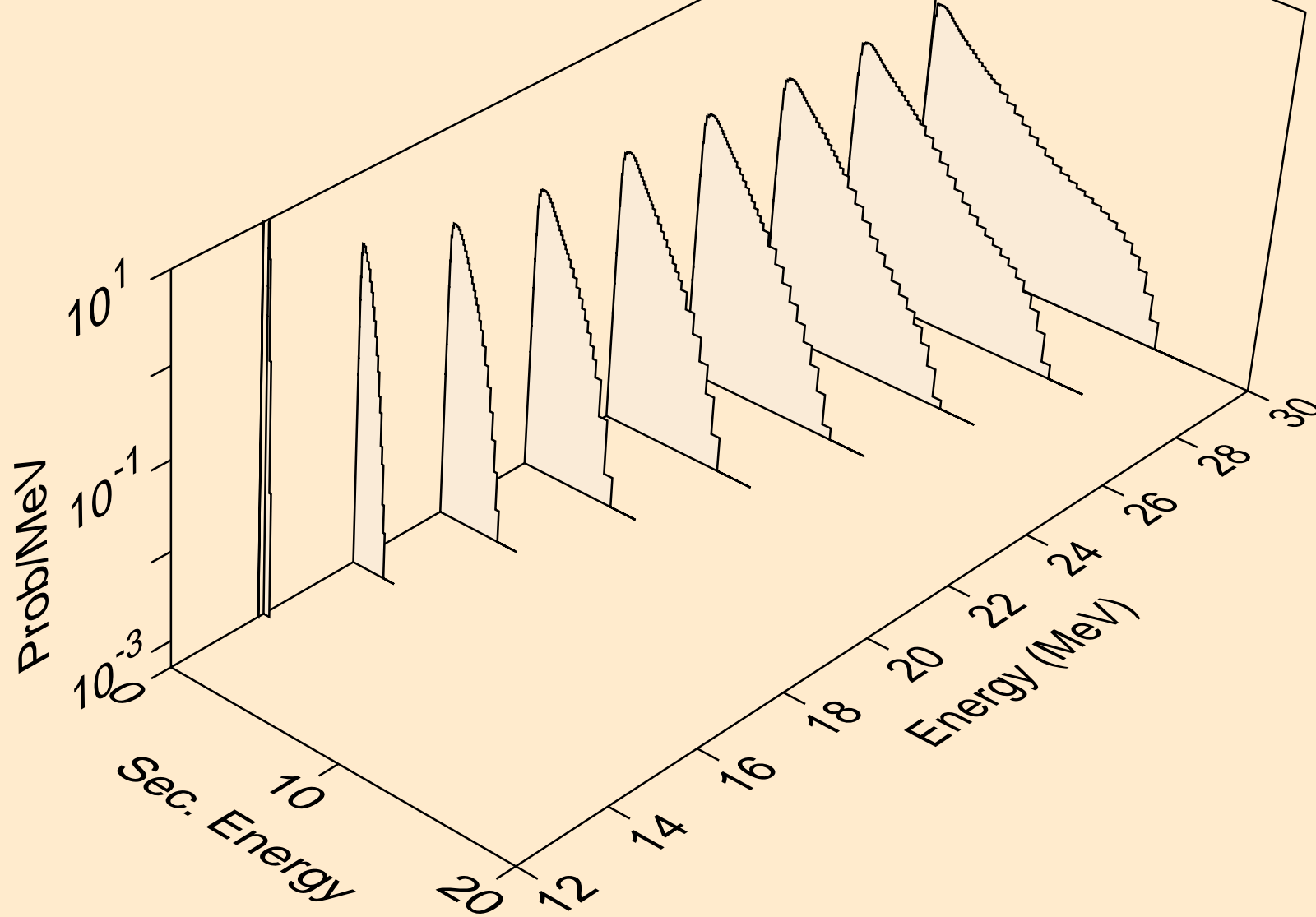
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neutrons from (p,n\*)t



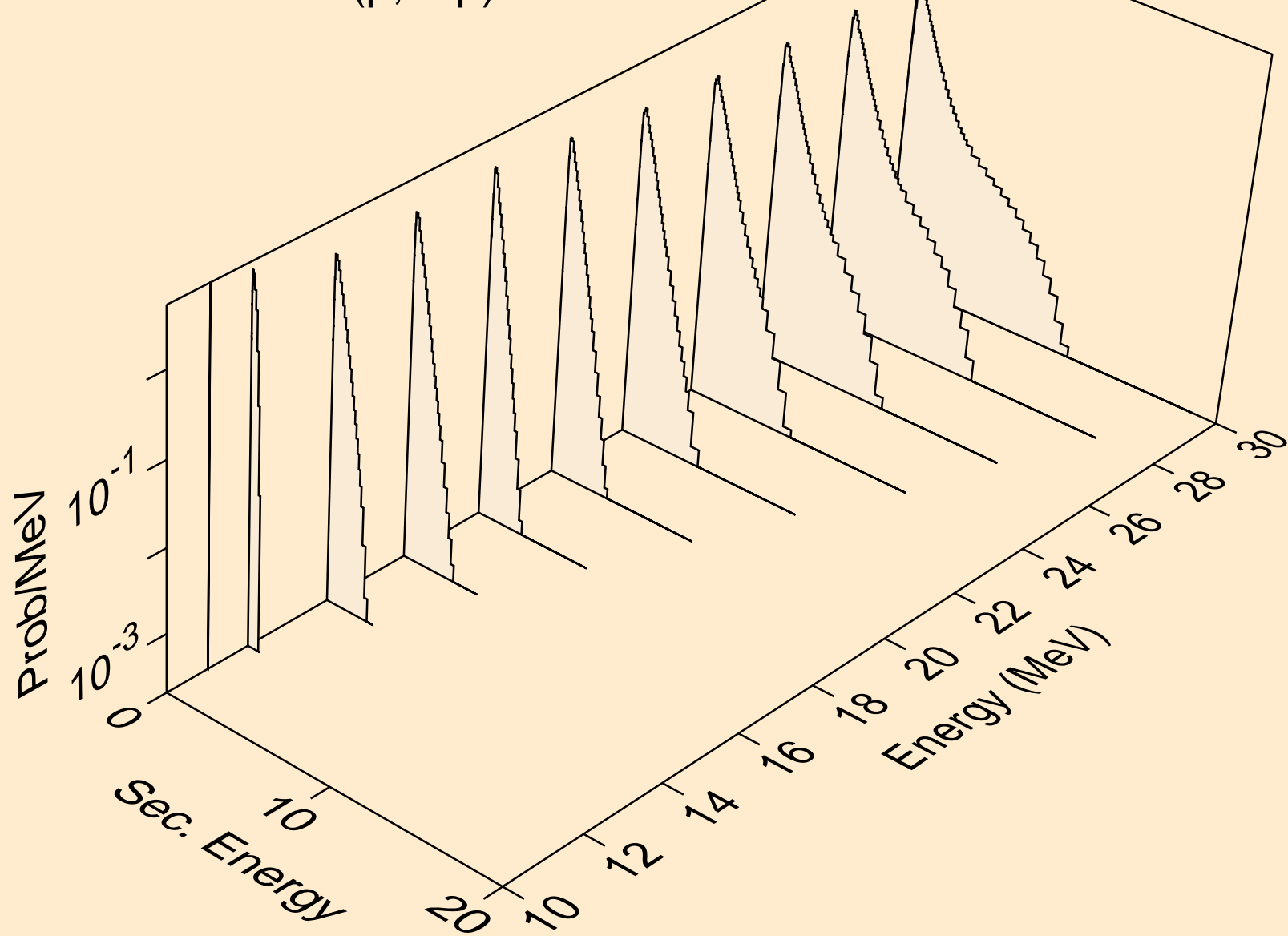
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neutrons from (p,n\*)he3



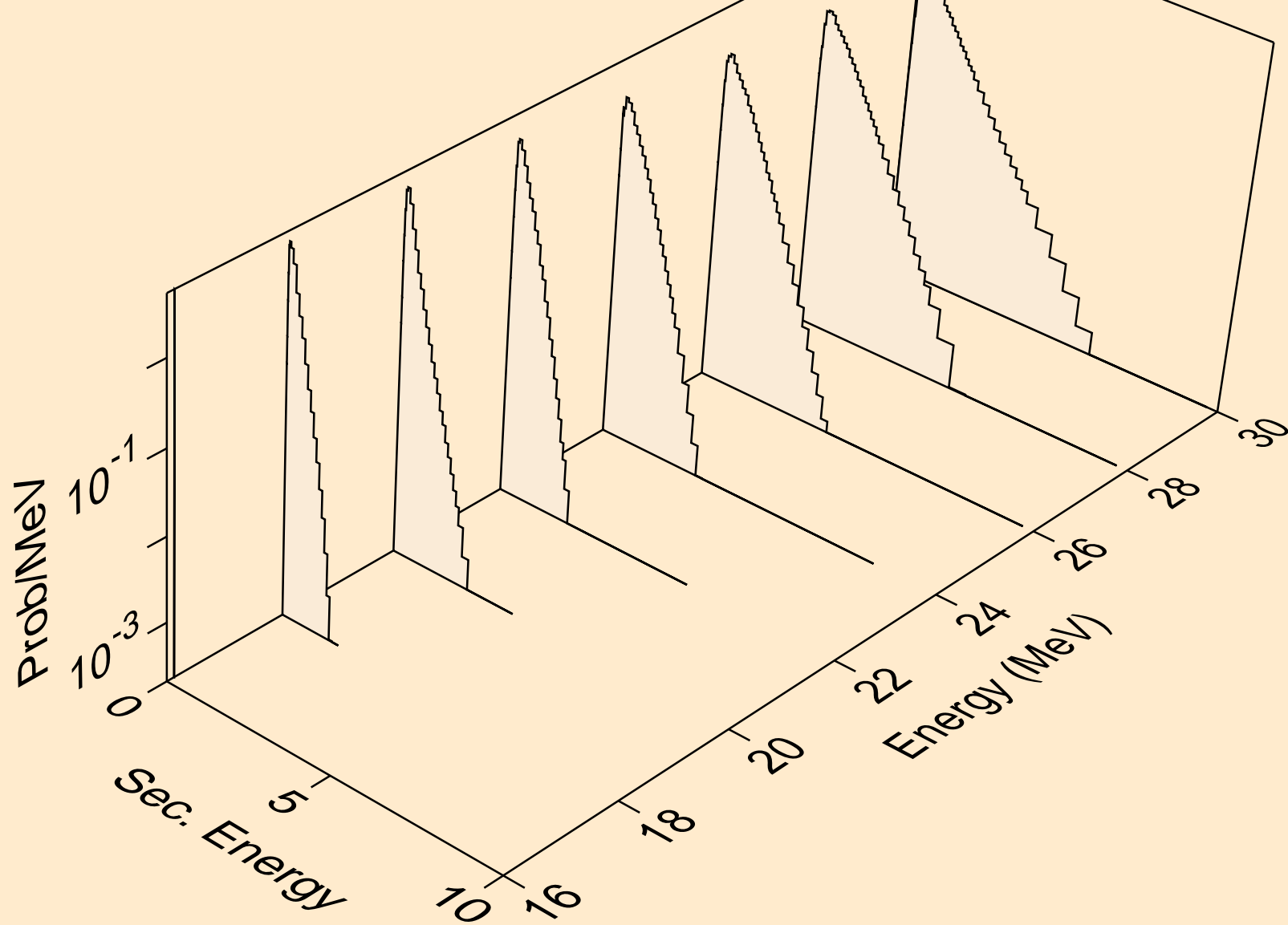
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neutrons from (p,4n)



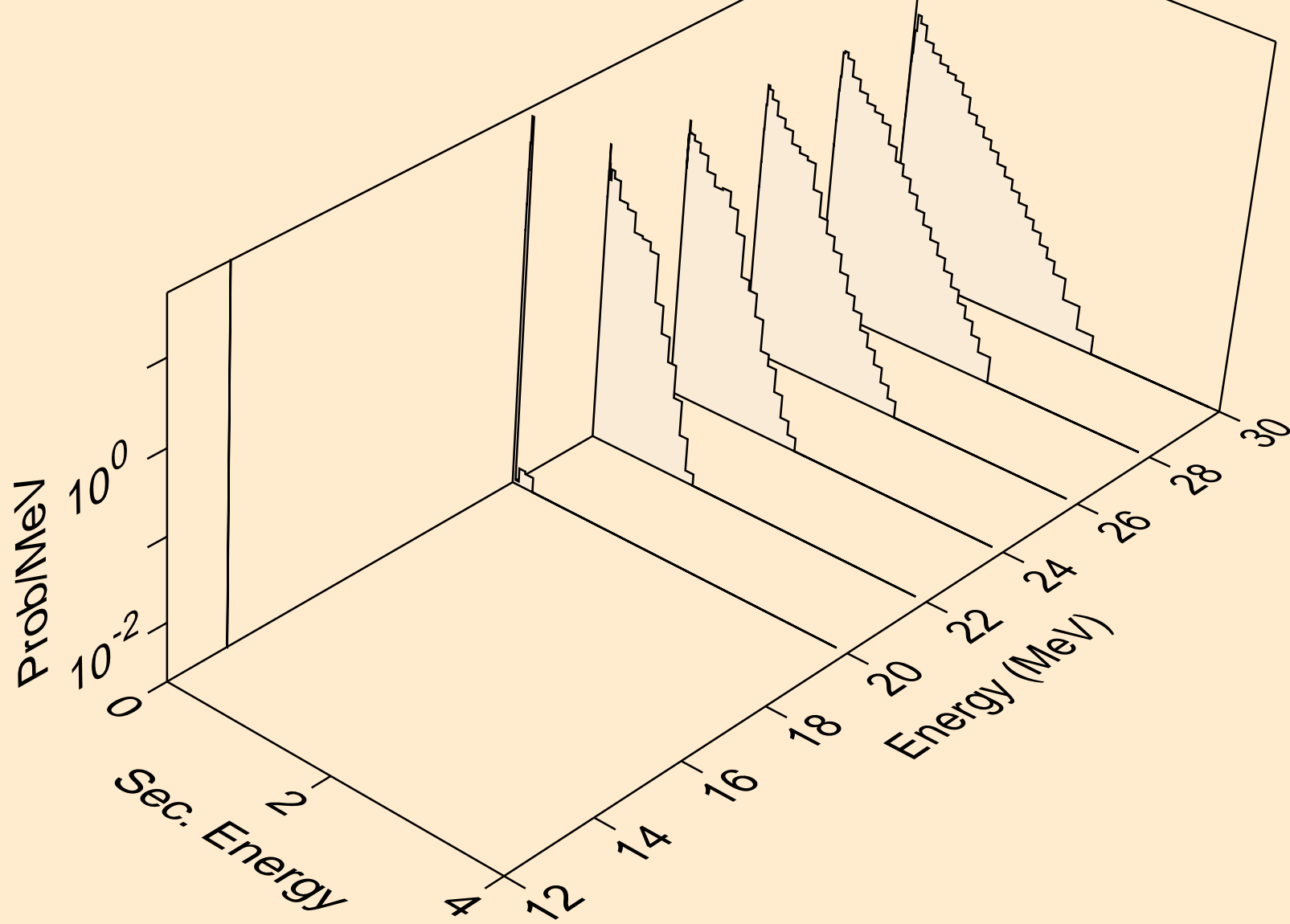
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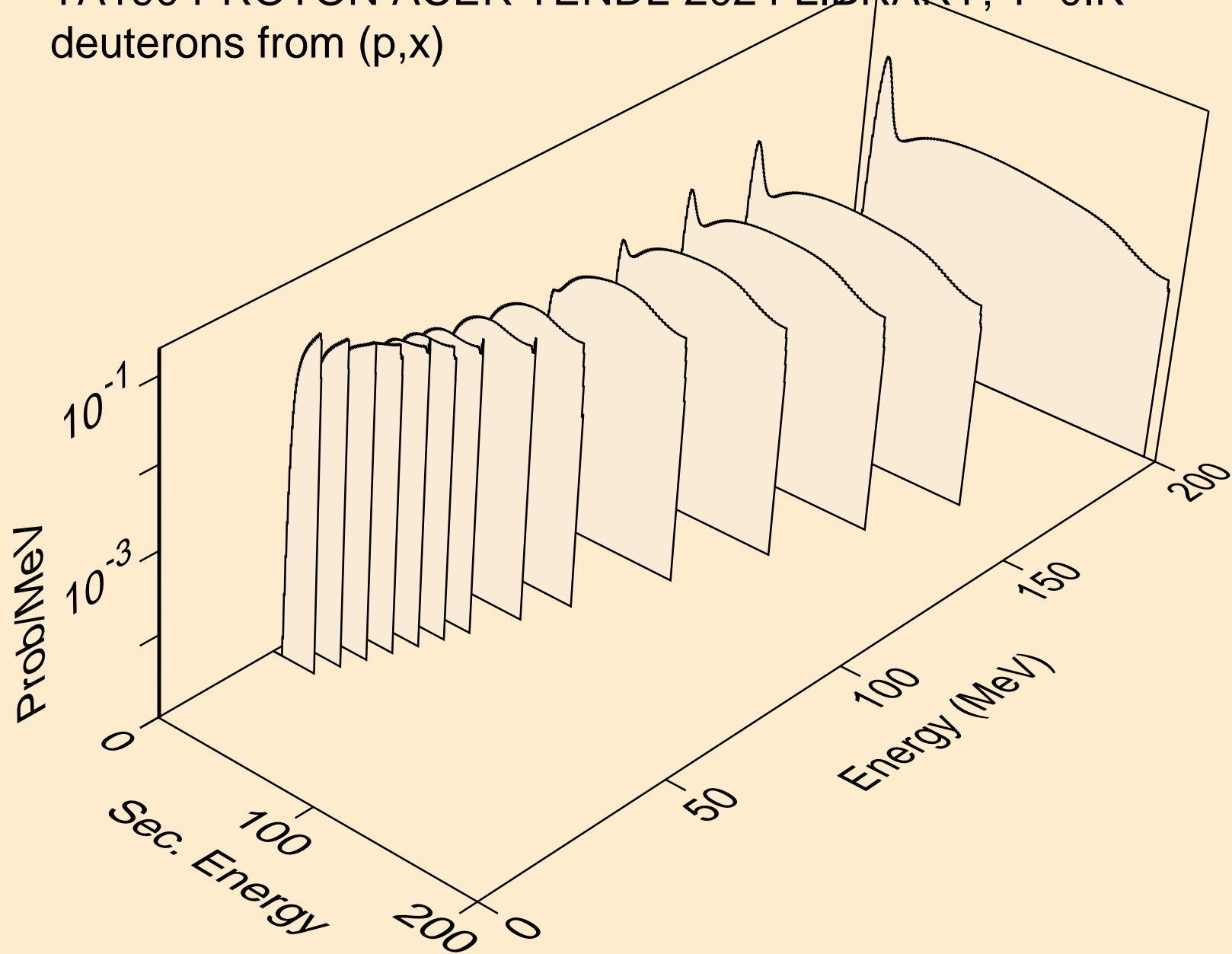
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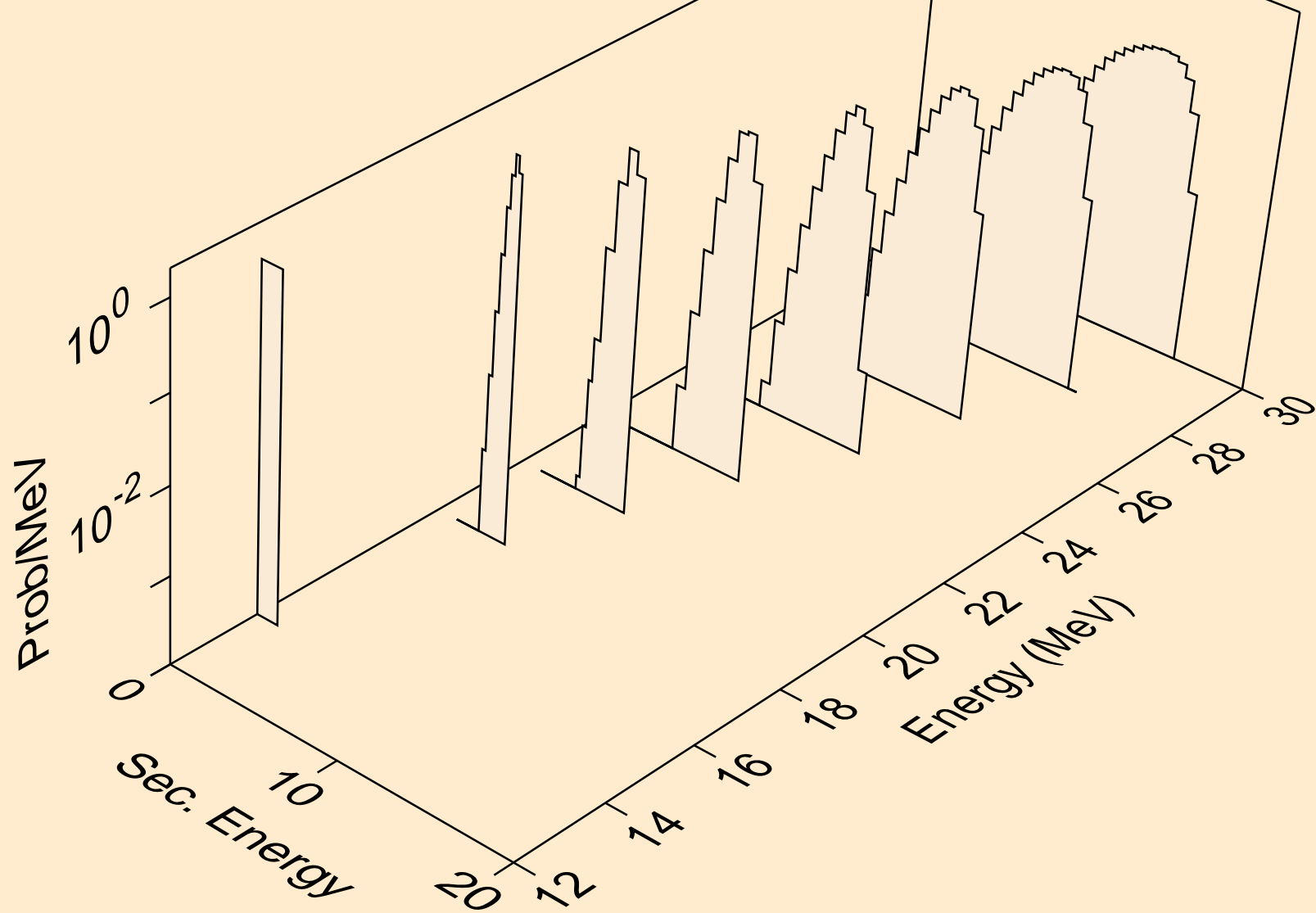
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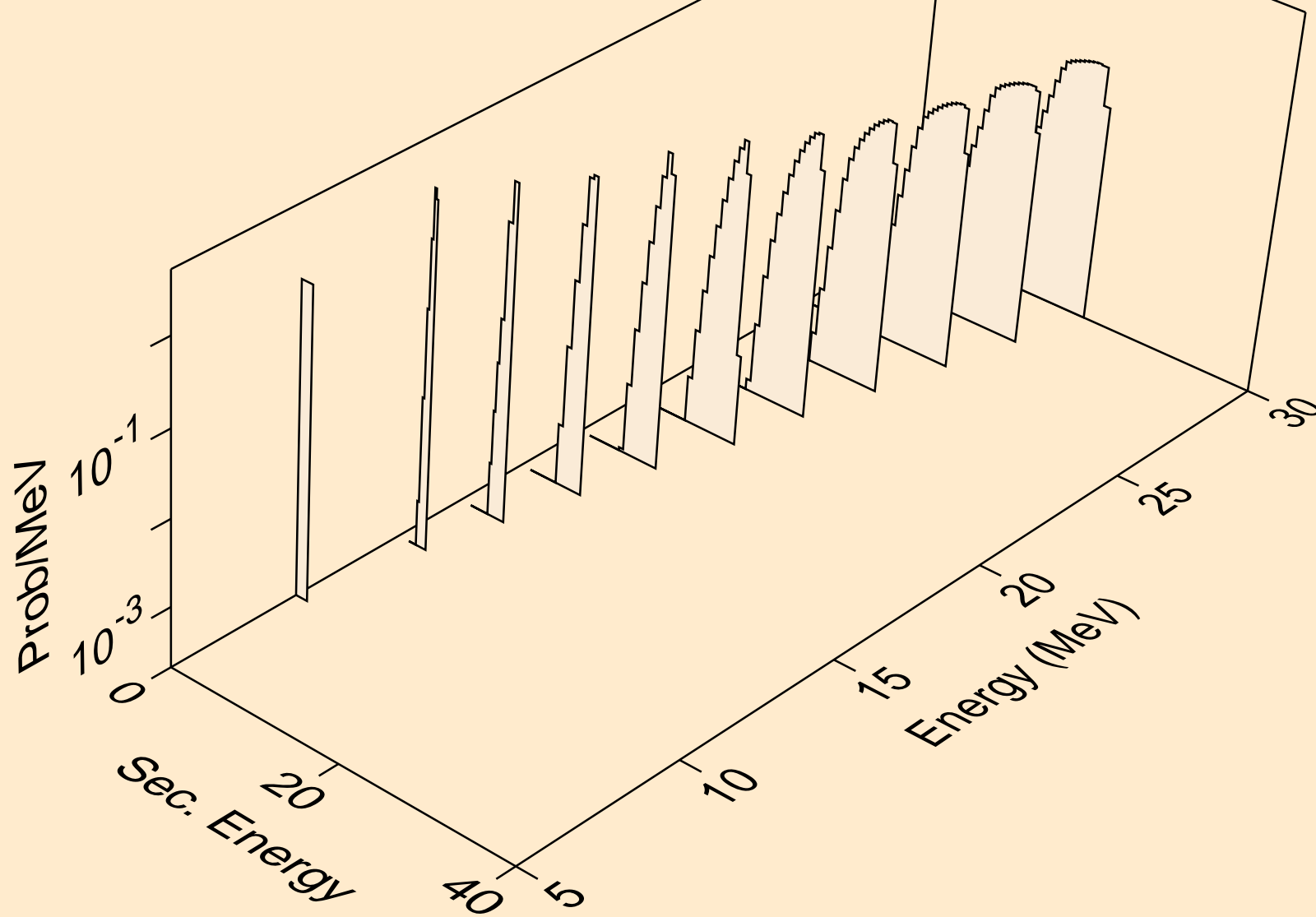
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deuterons from (p,x)



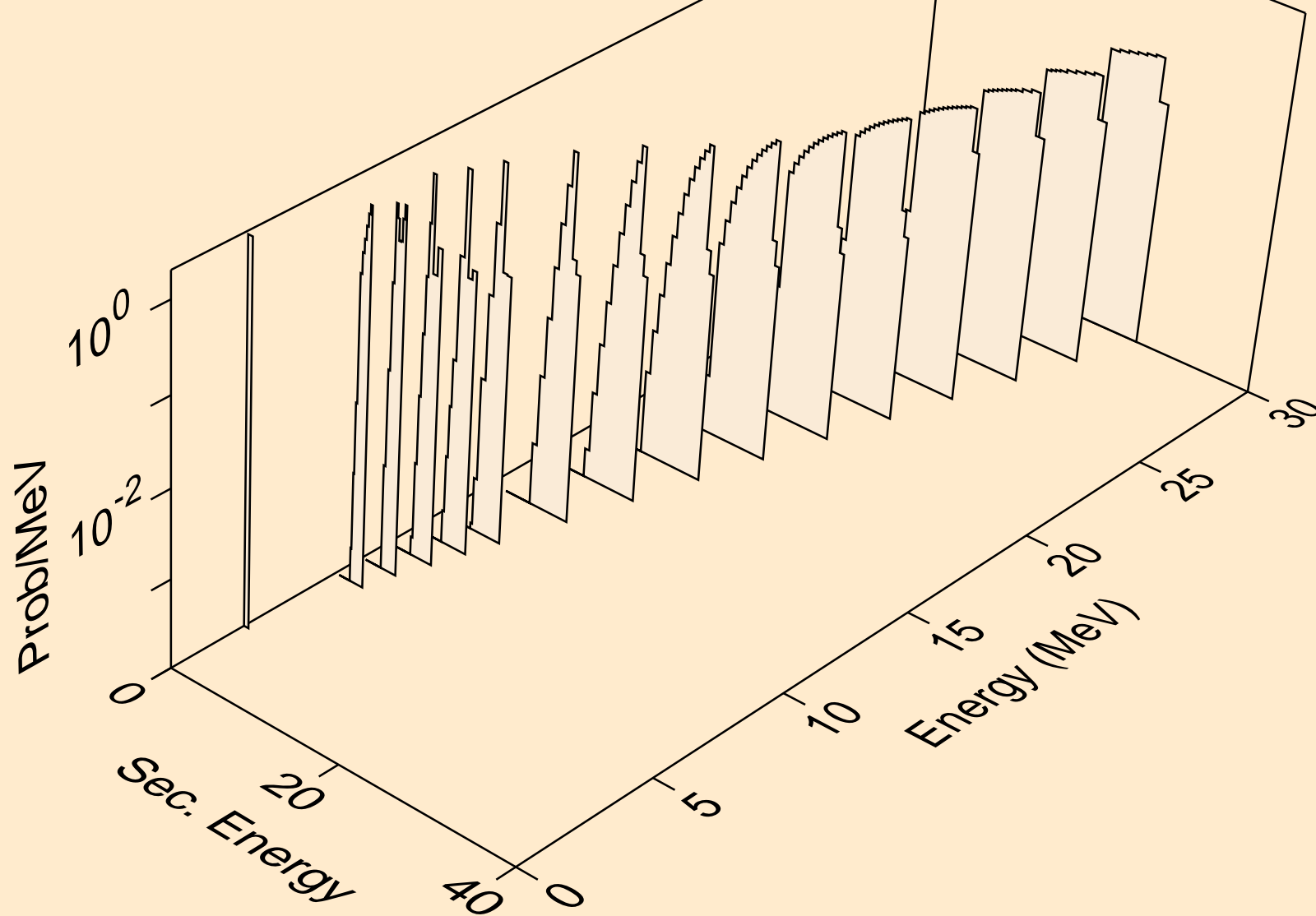
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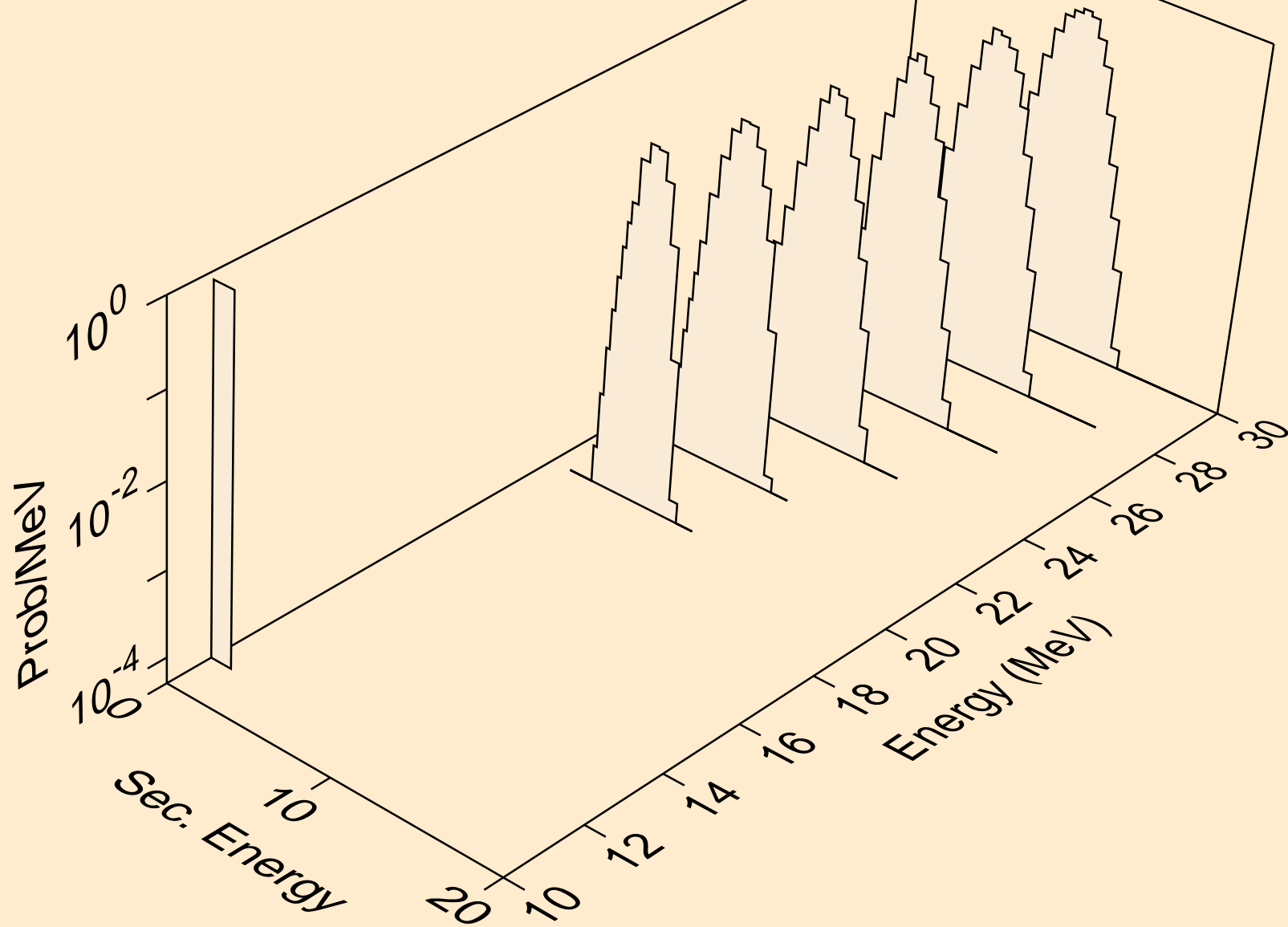
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deuterons from (p,n\*)d



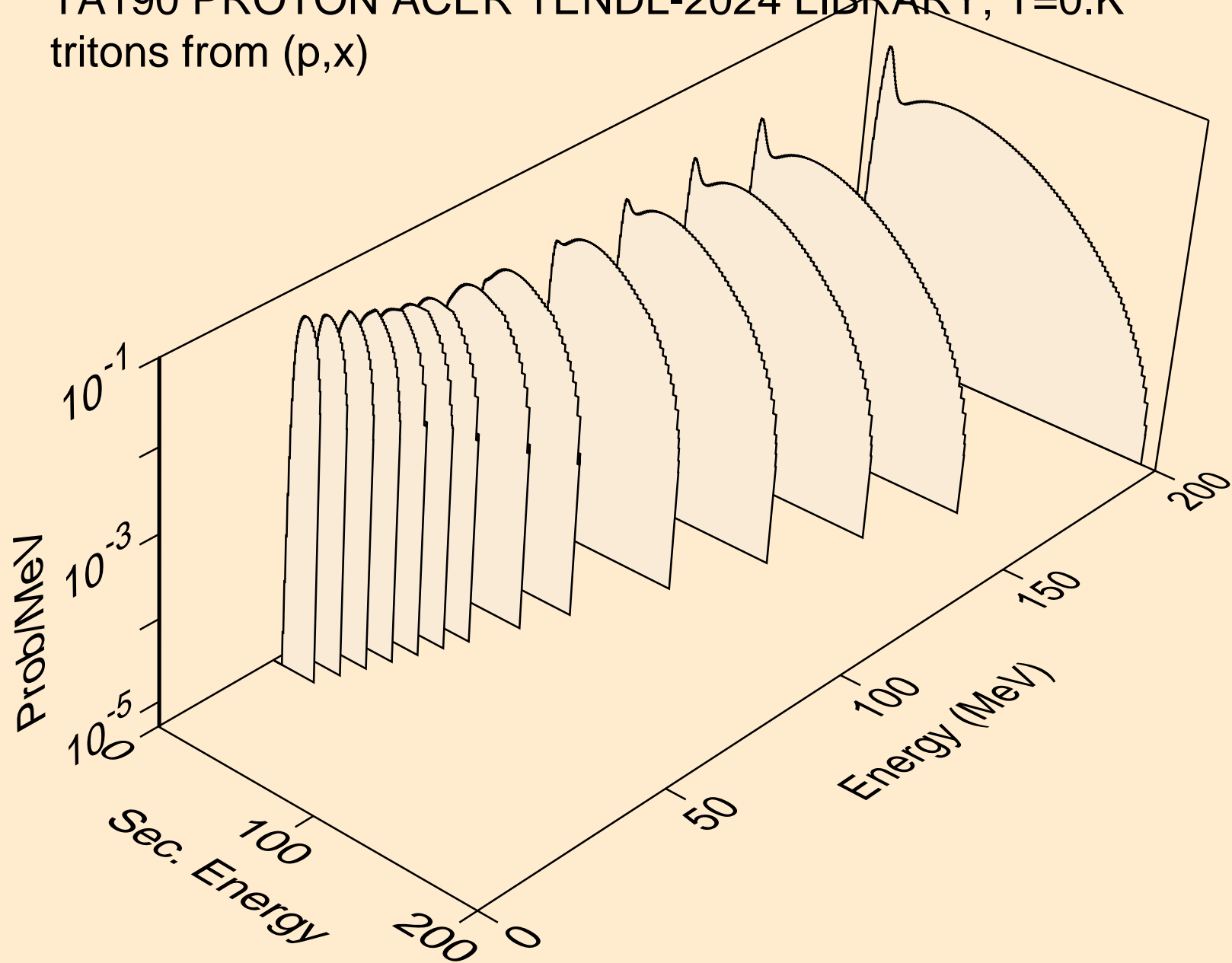
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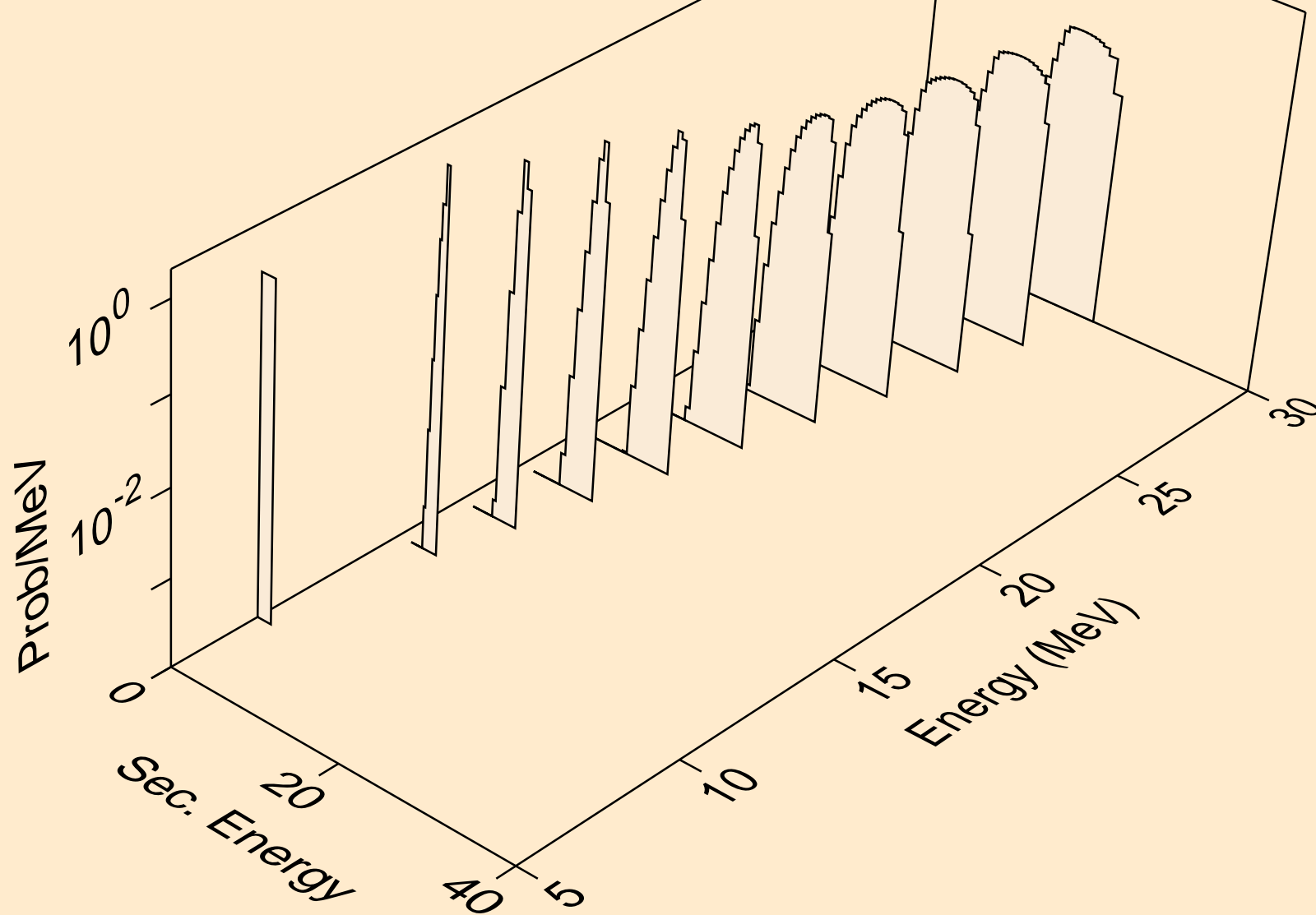
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)



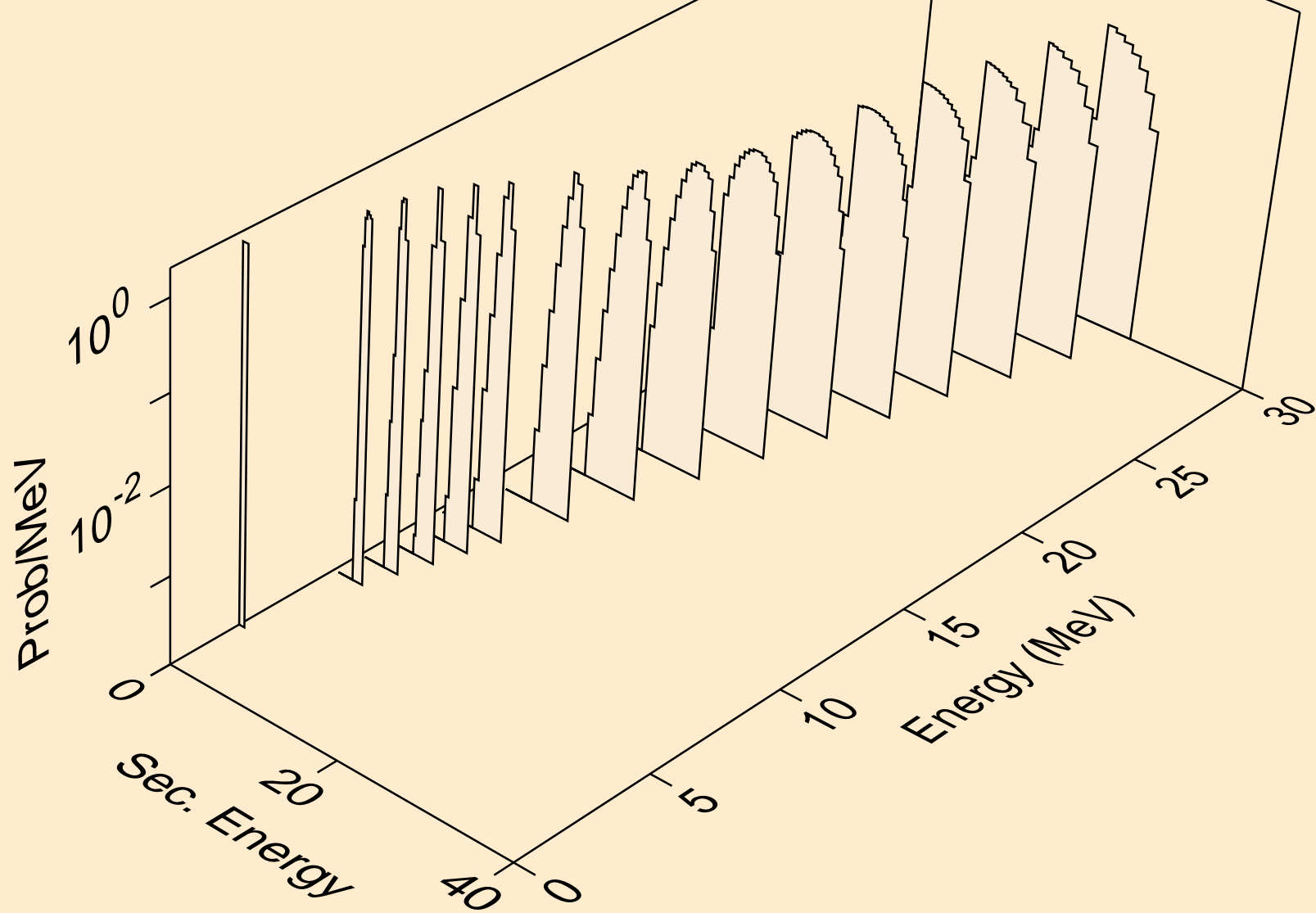
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



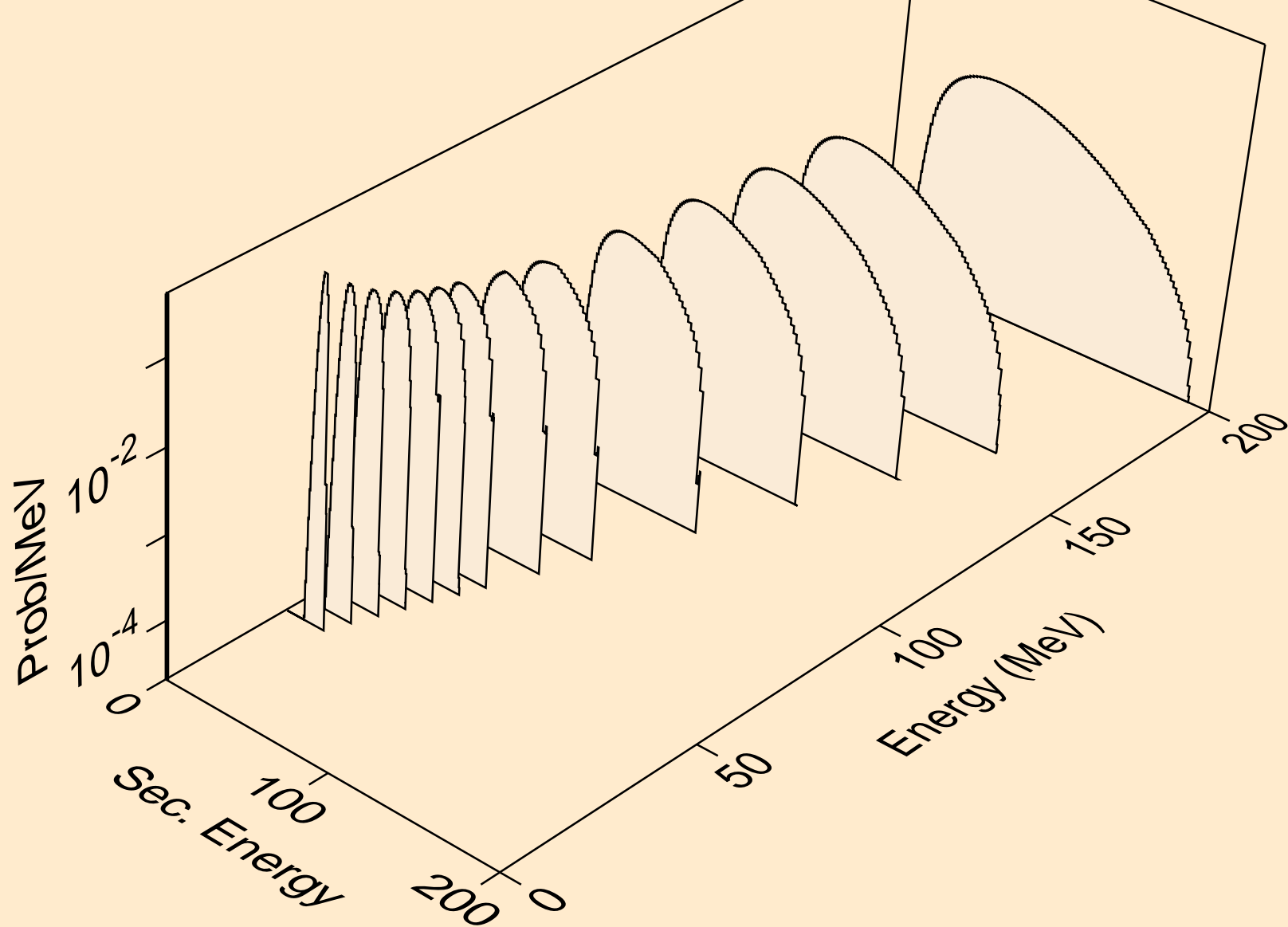
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t



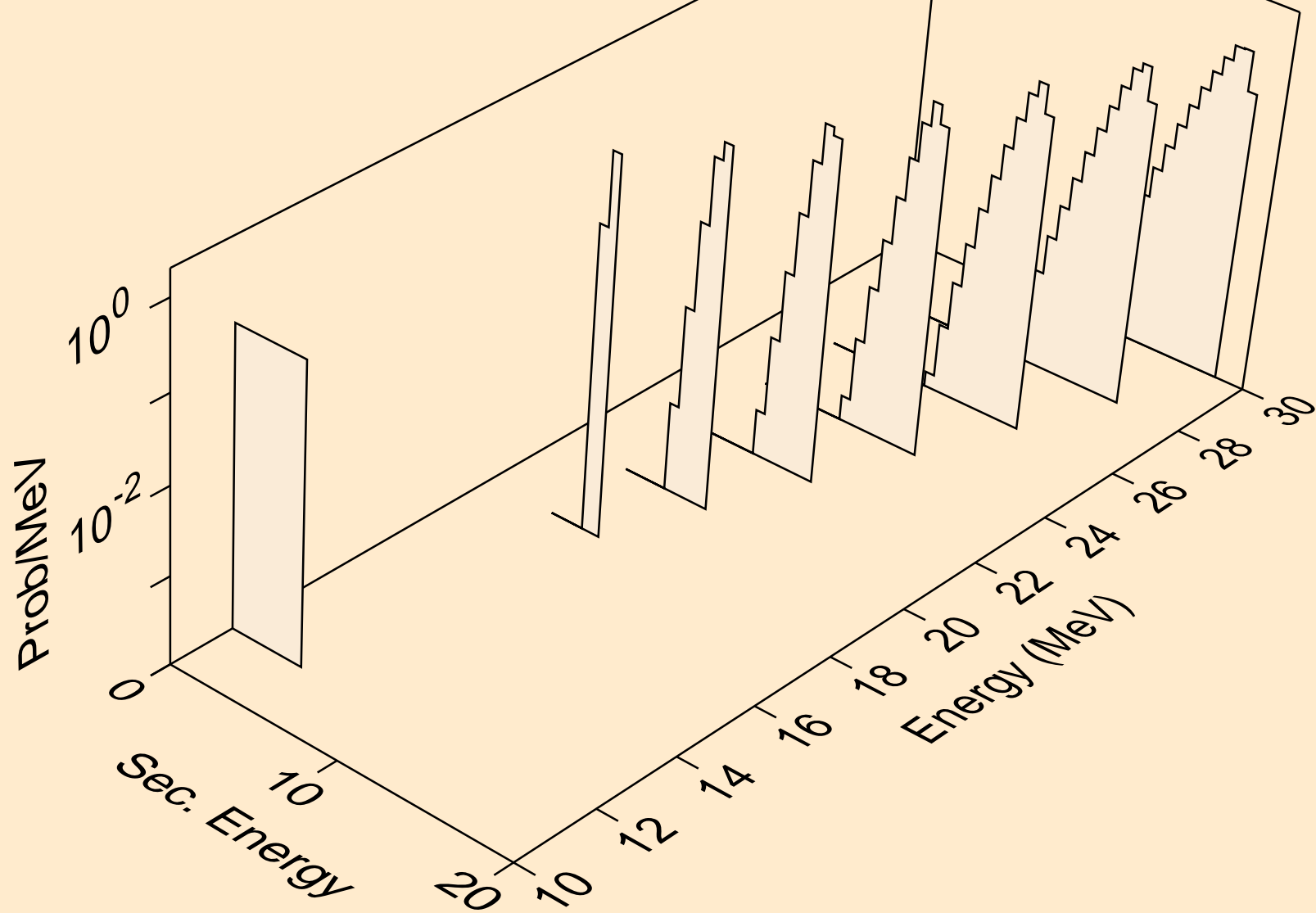
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



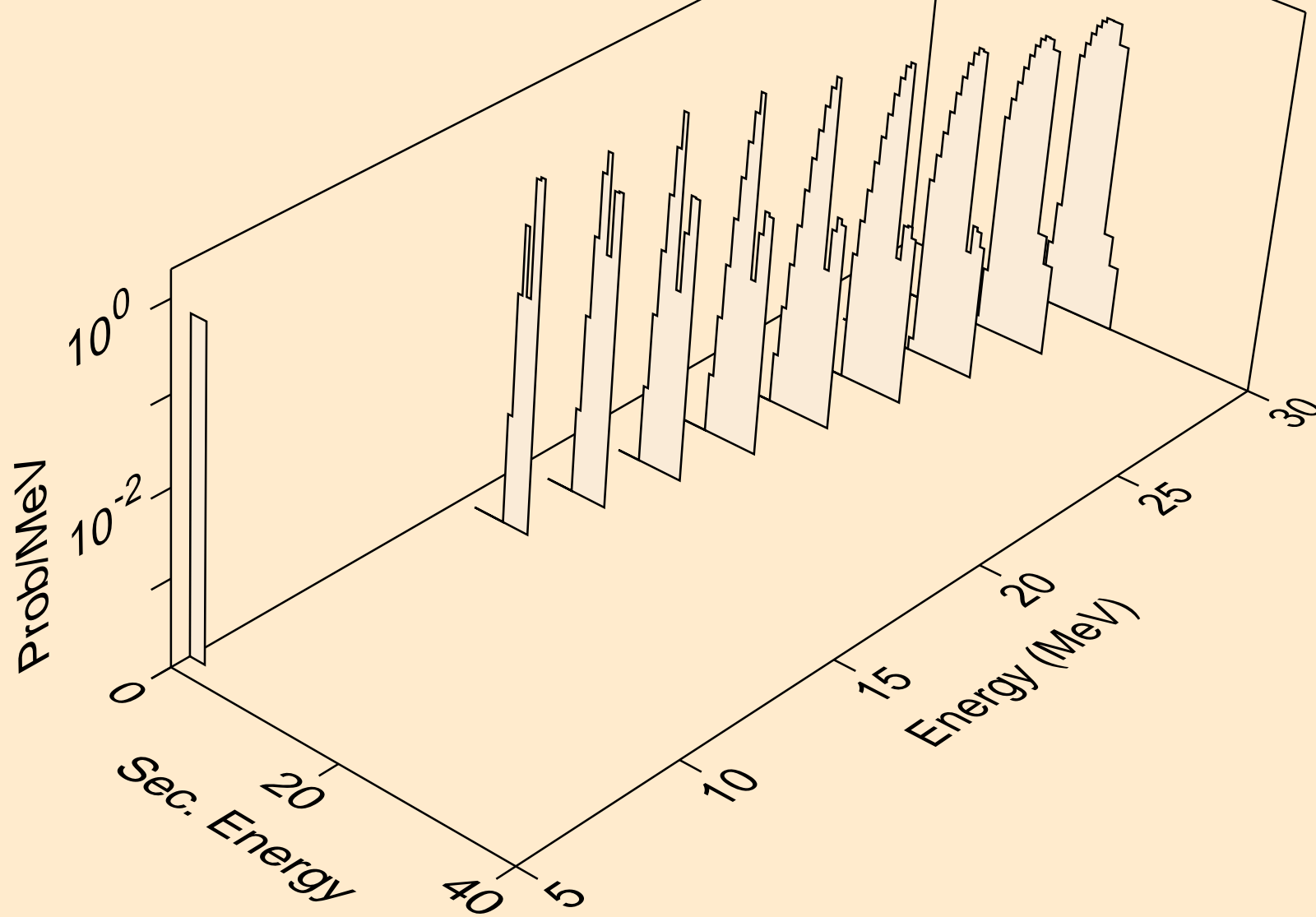
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



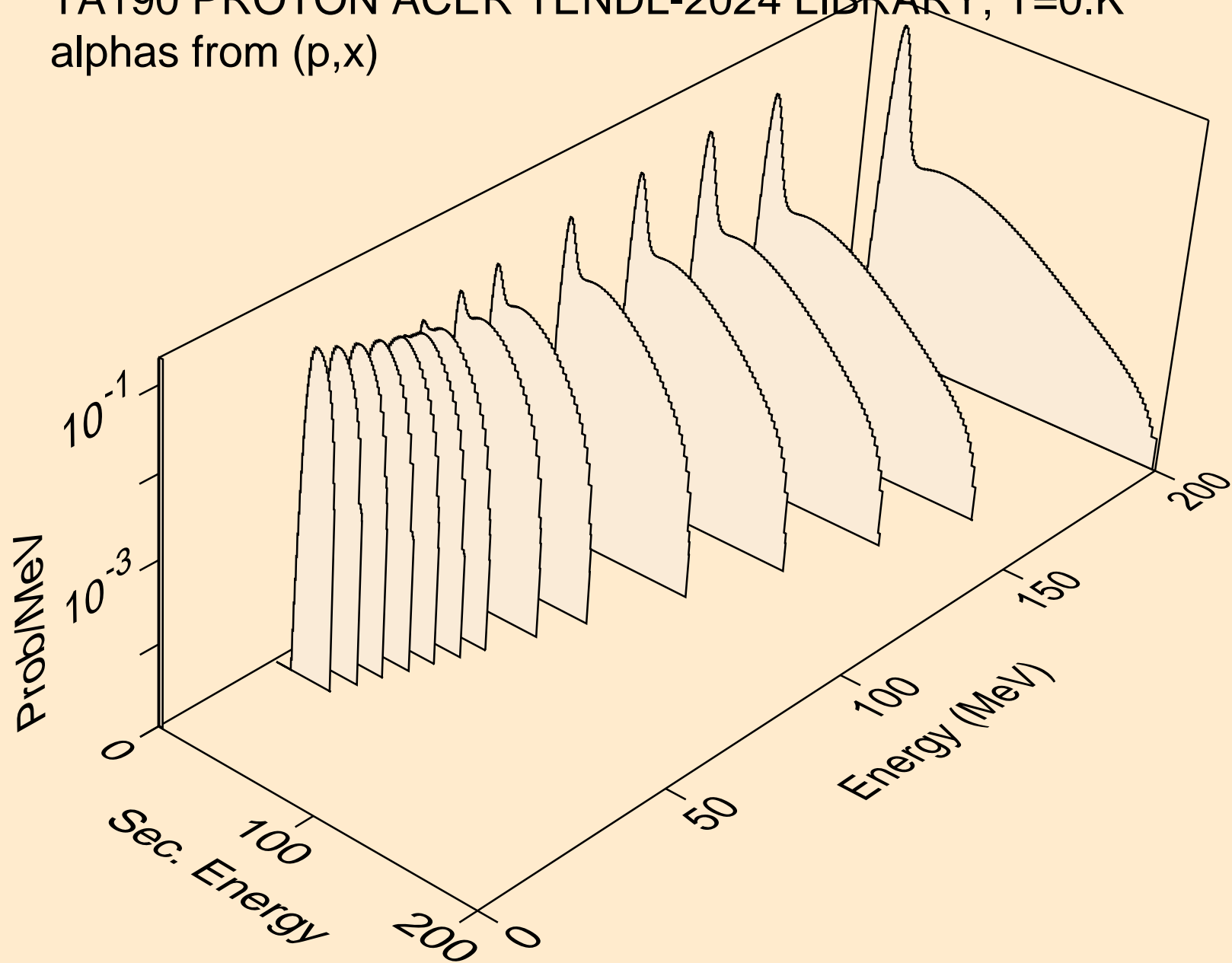
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



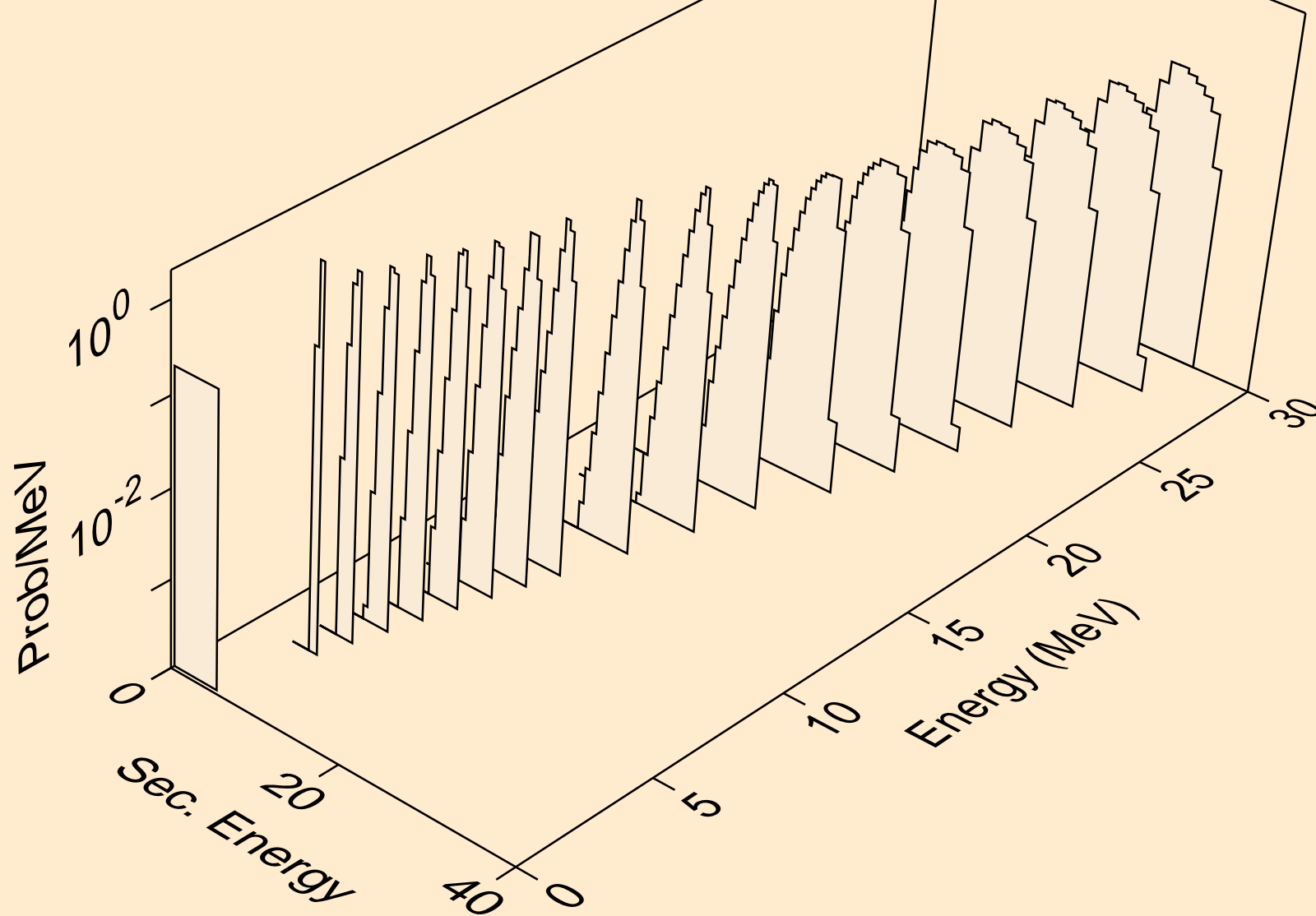
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



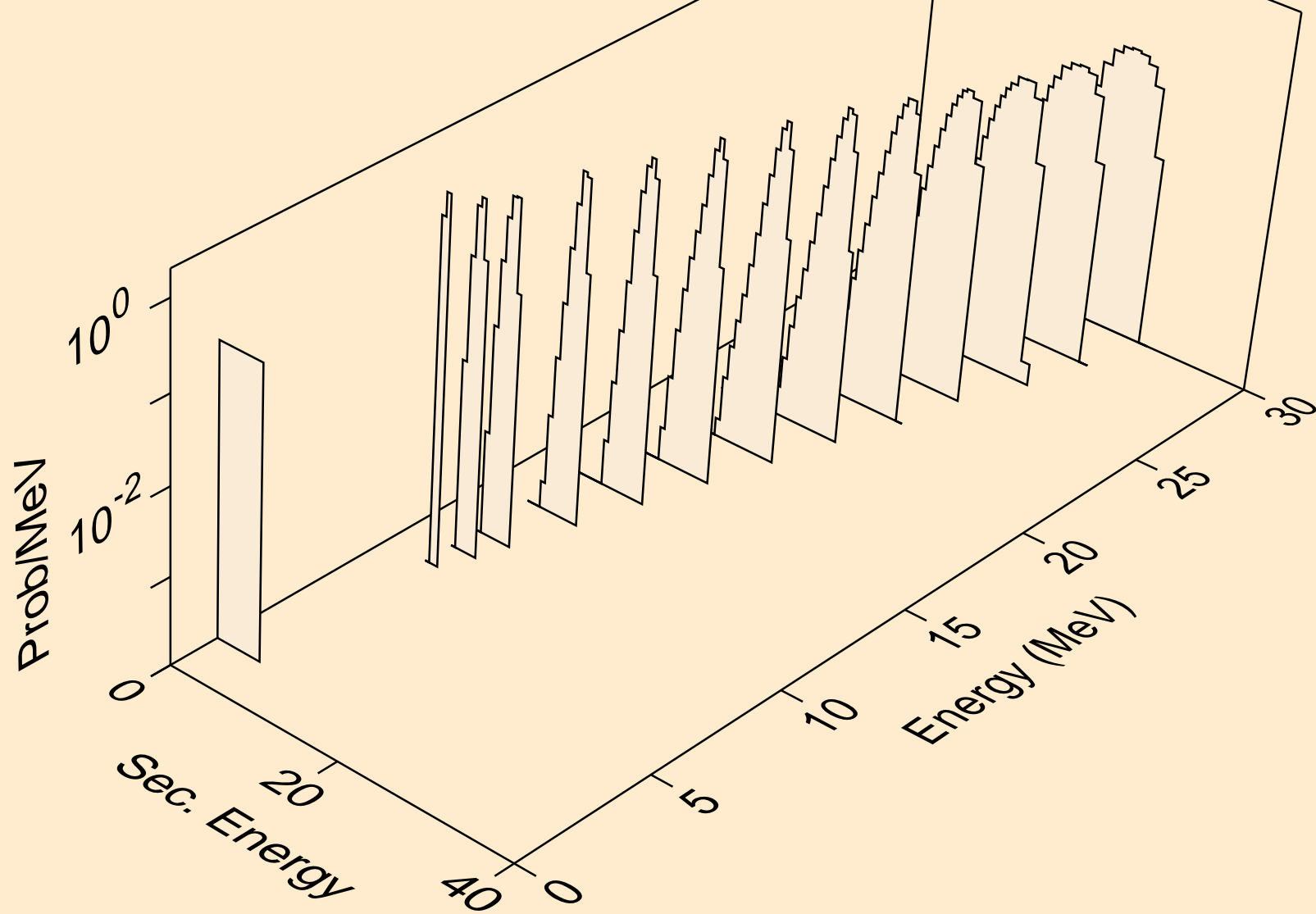
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



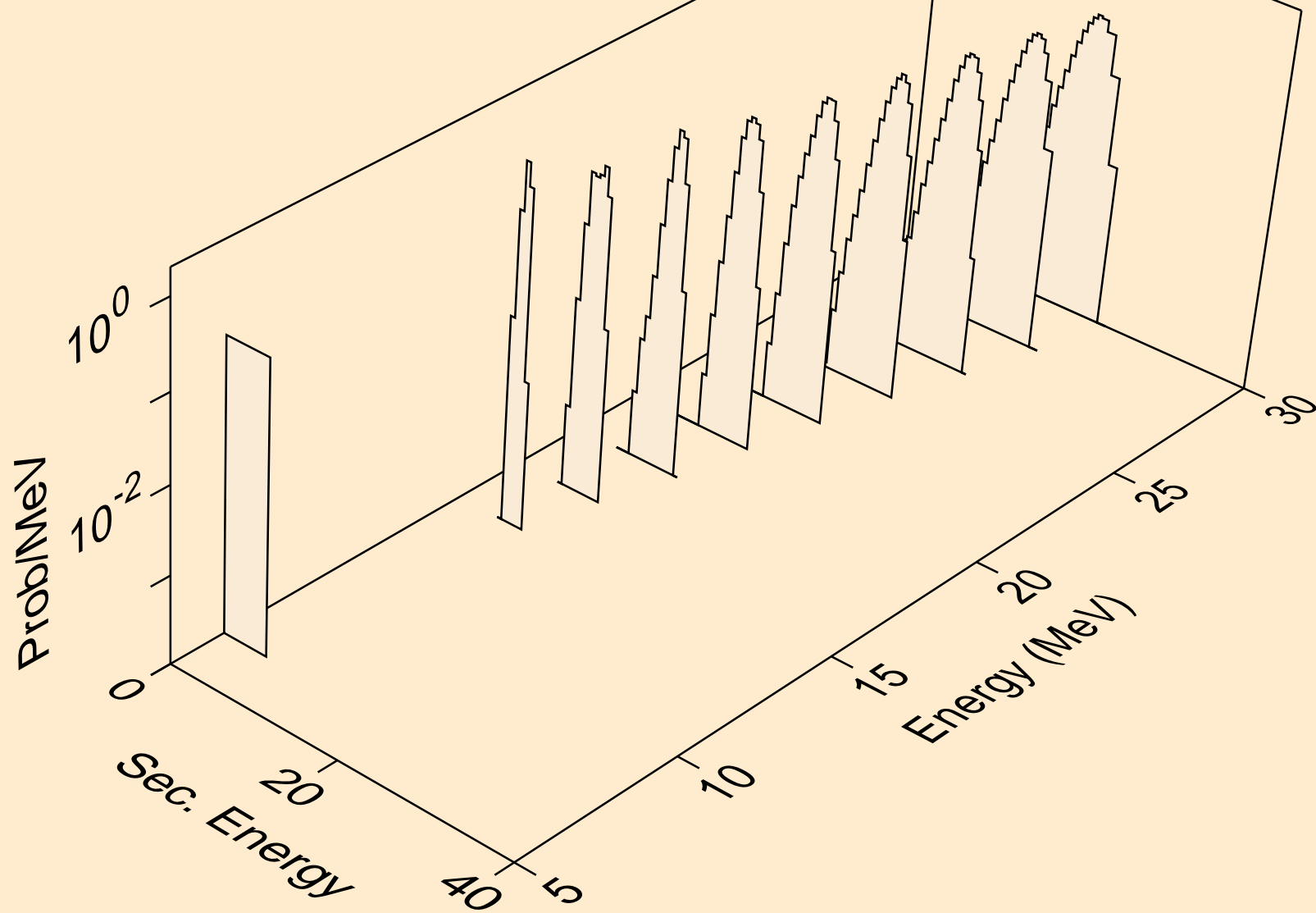
TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3n)a



TA190 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)

