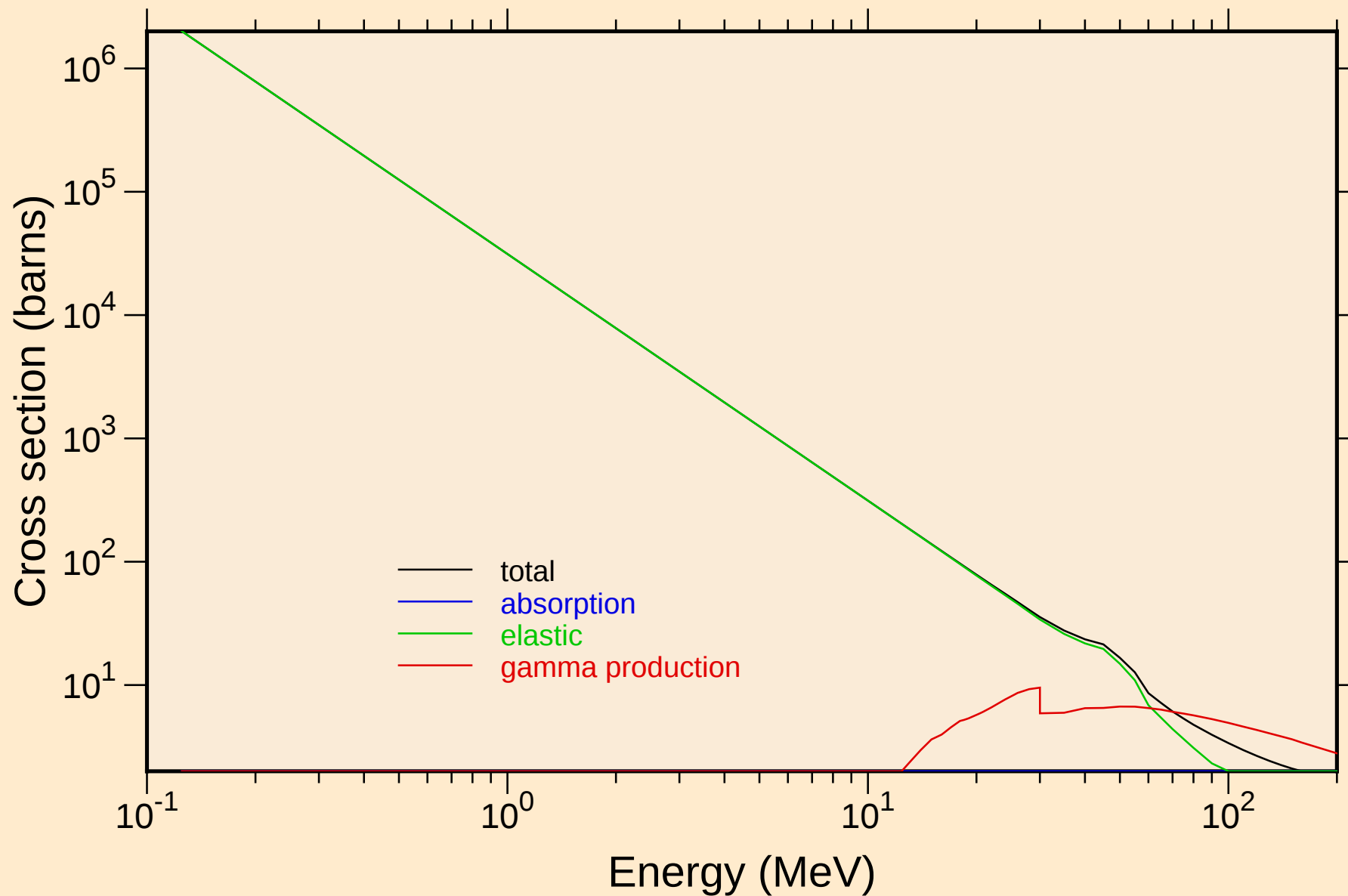


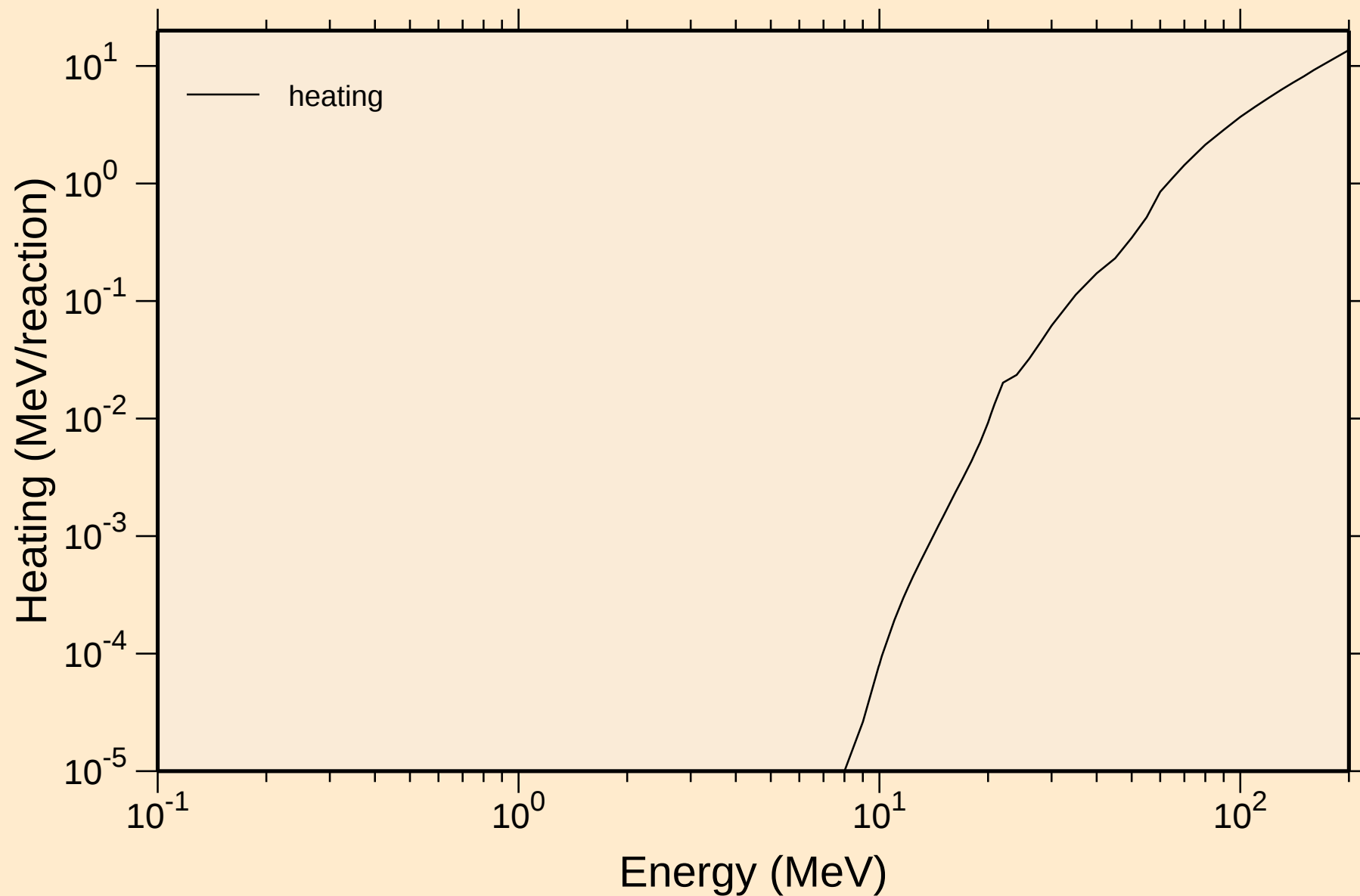
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



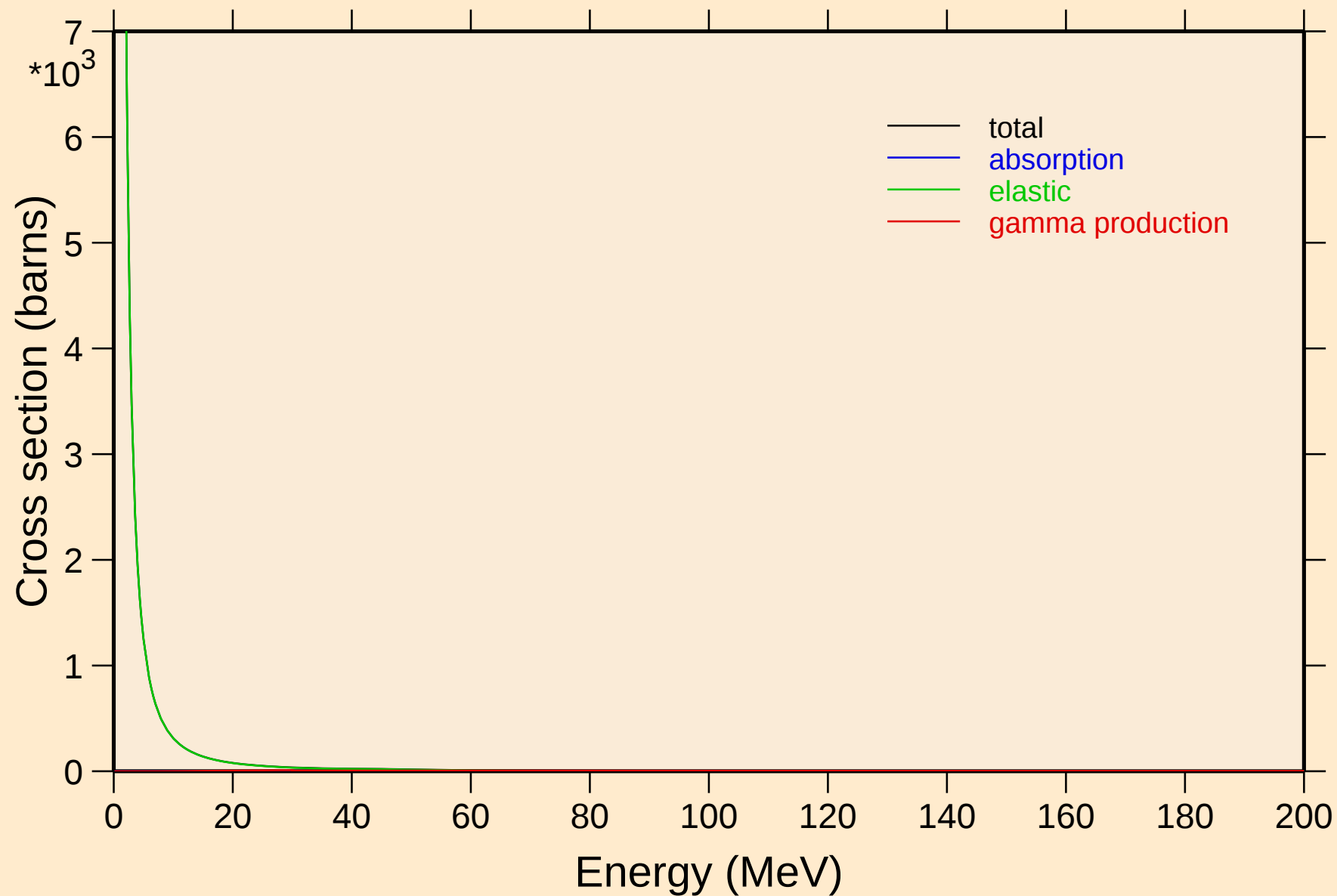
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



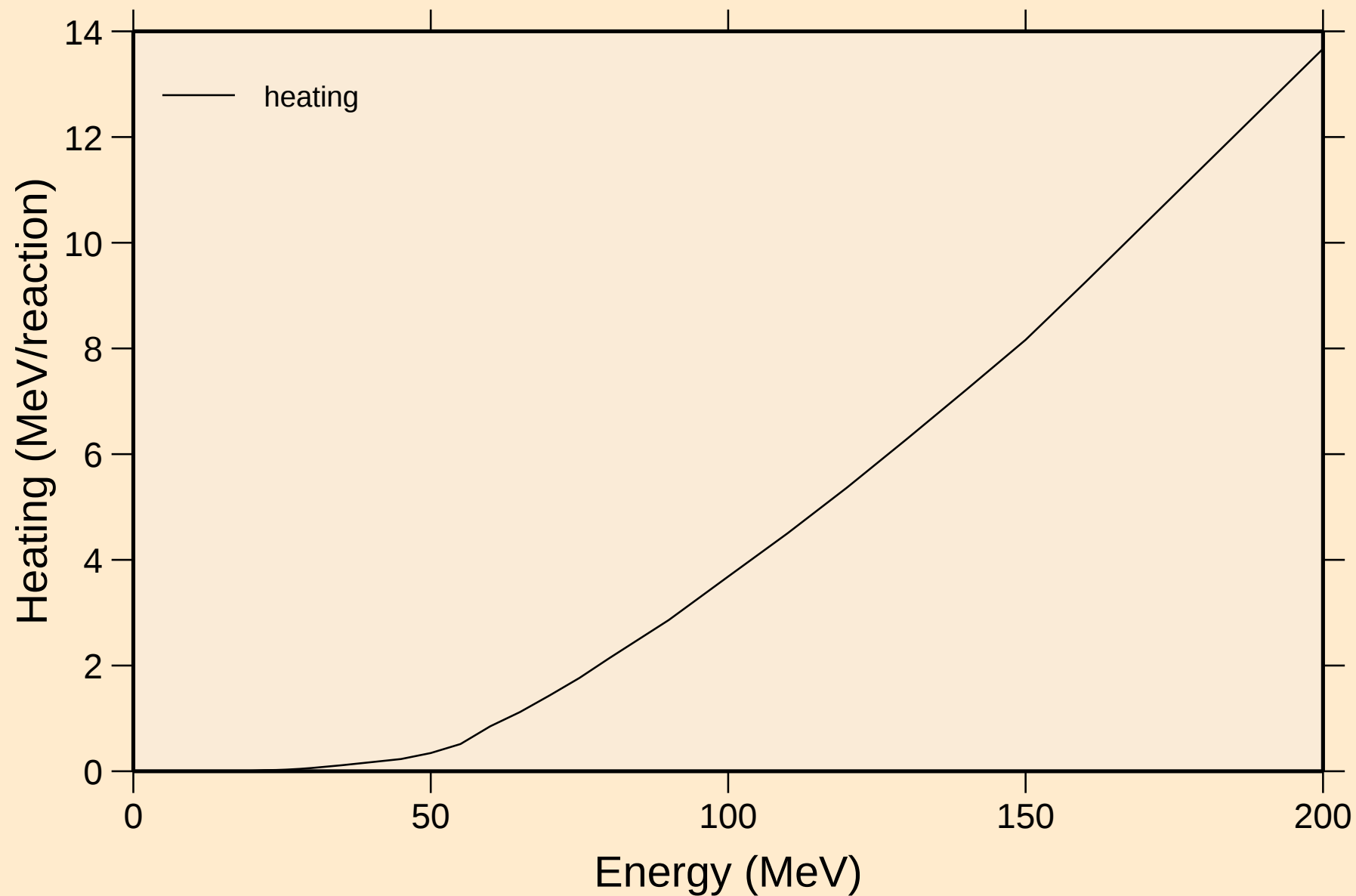
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Principal cross sections



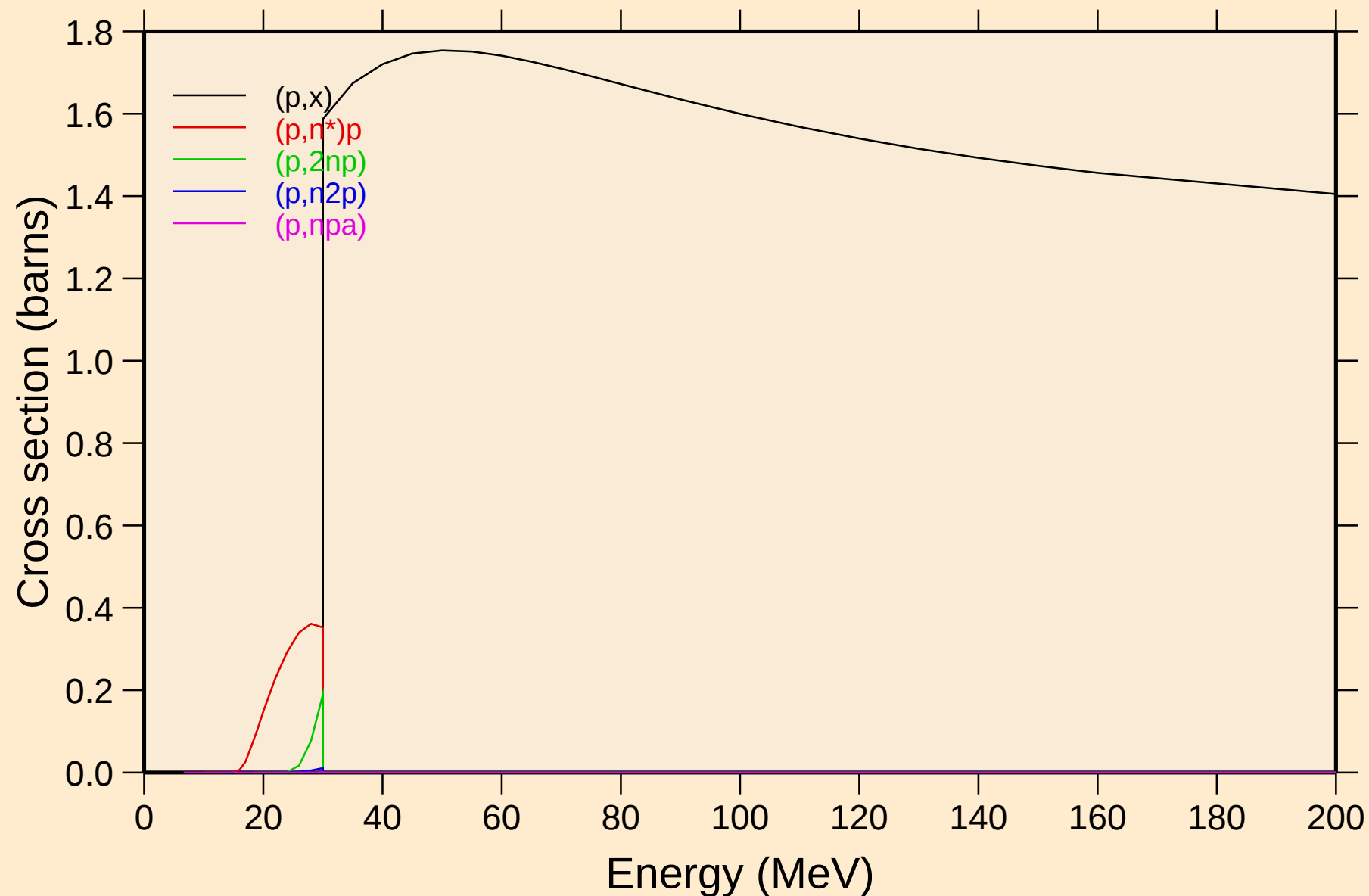
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Heating



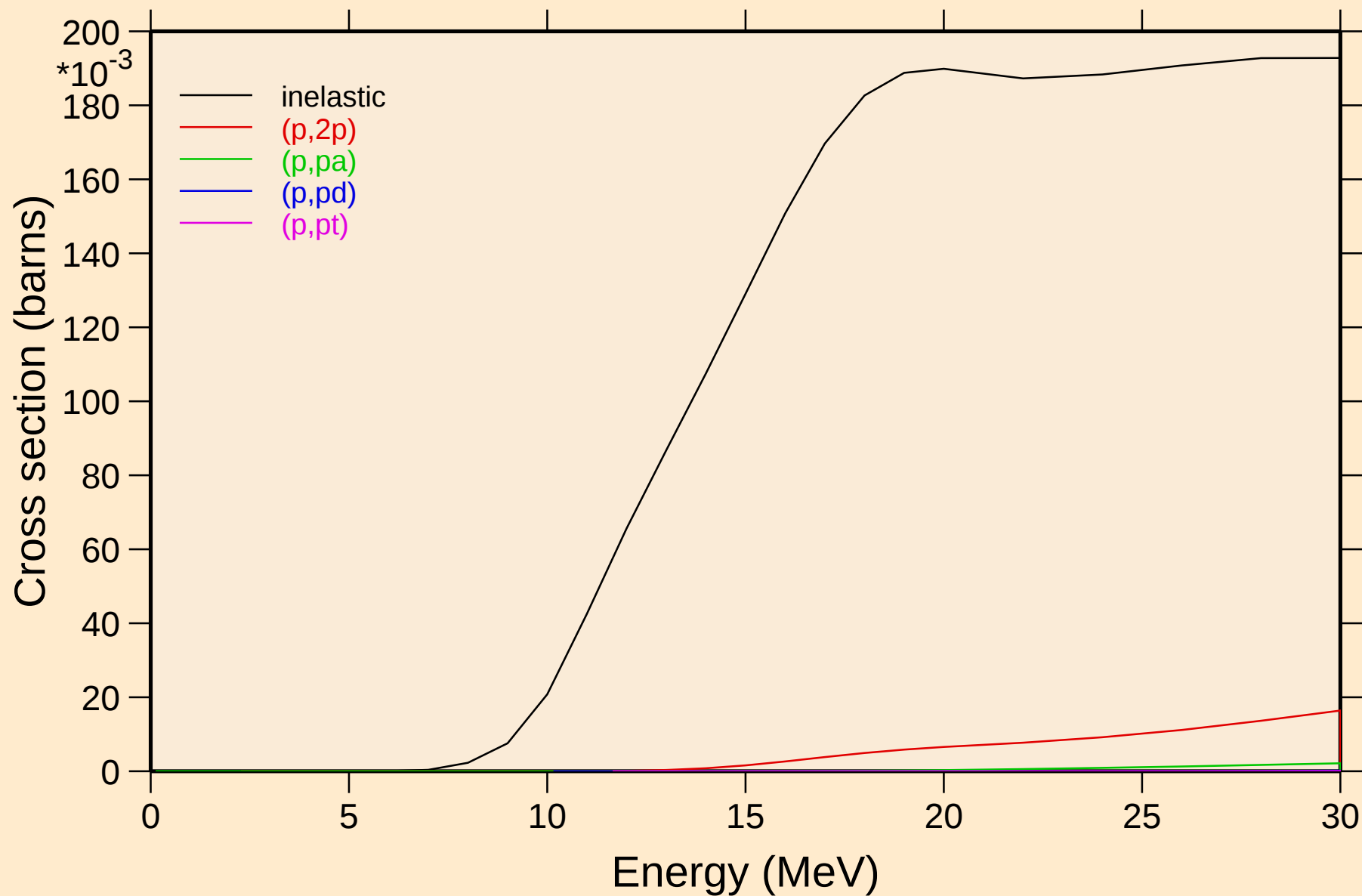
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Threshold reactions



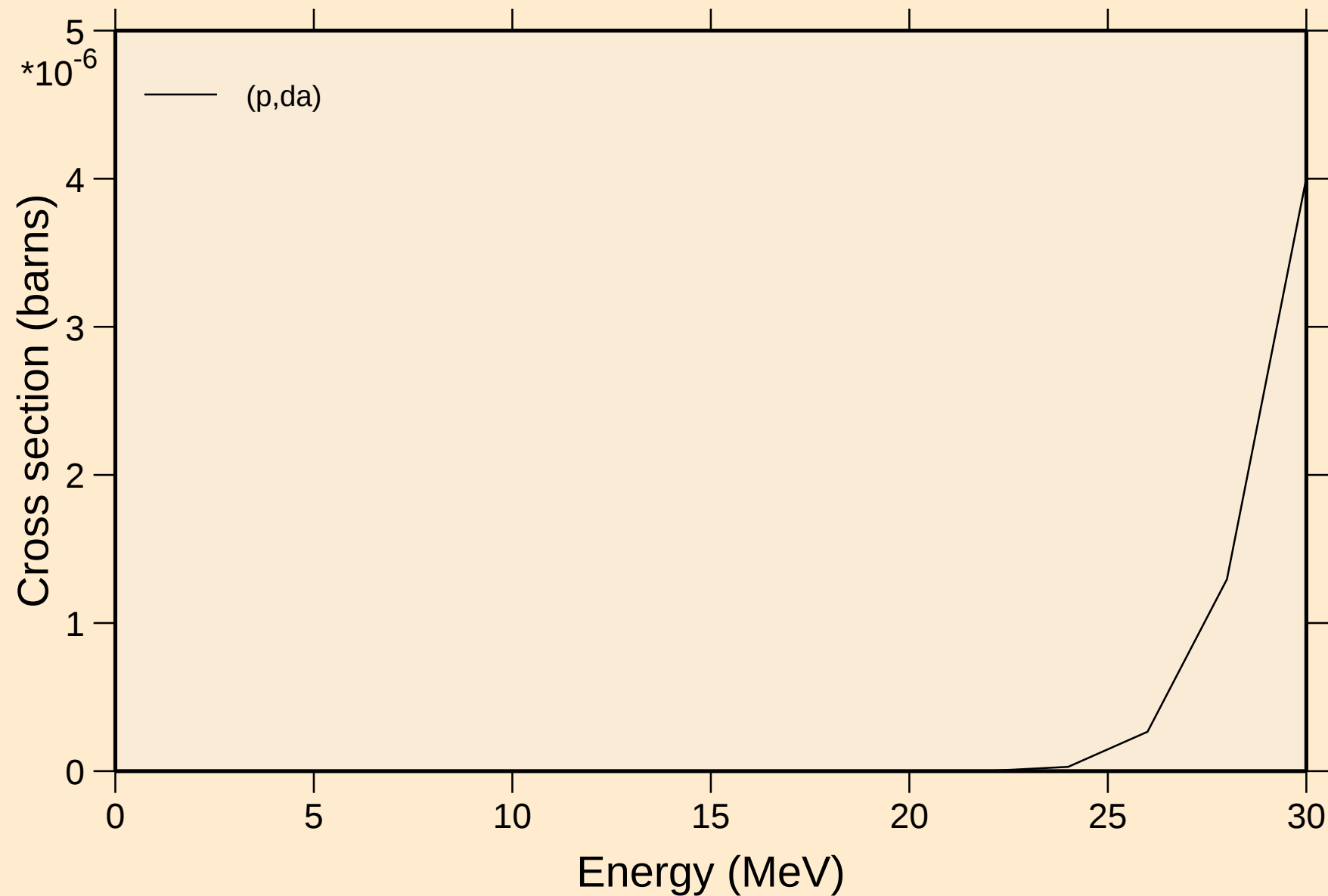
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

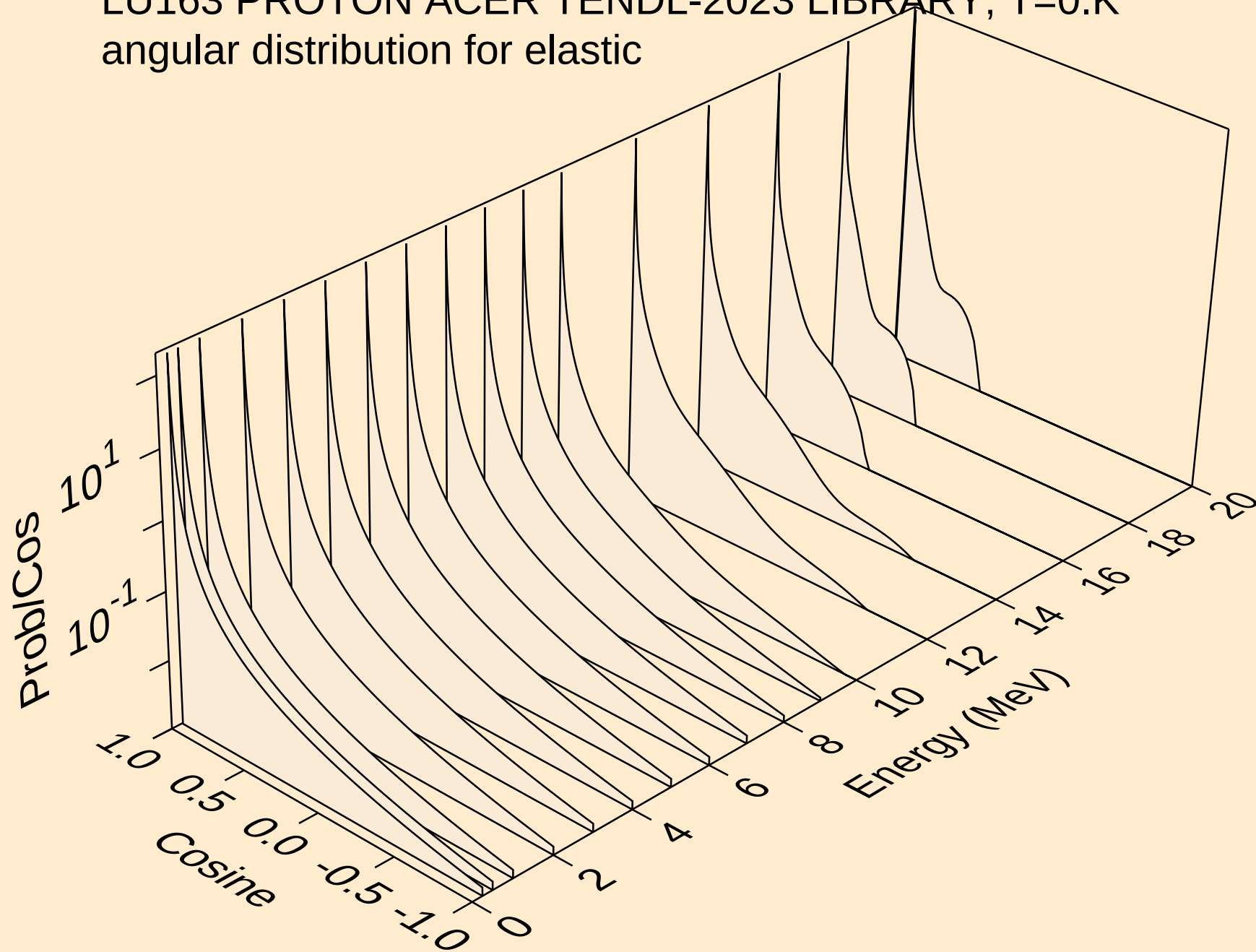


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

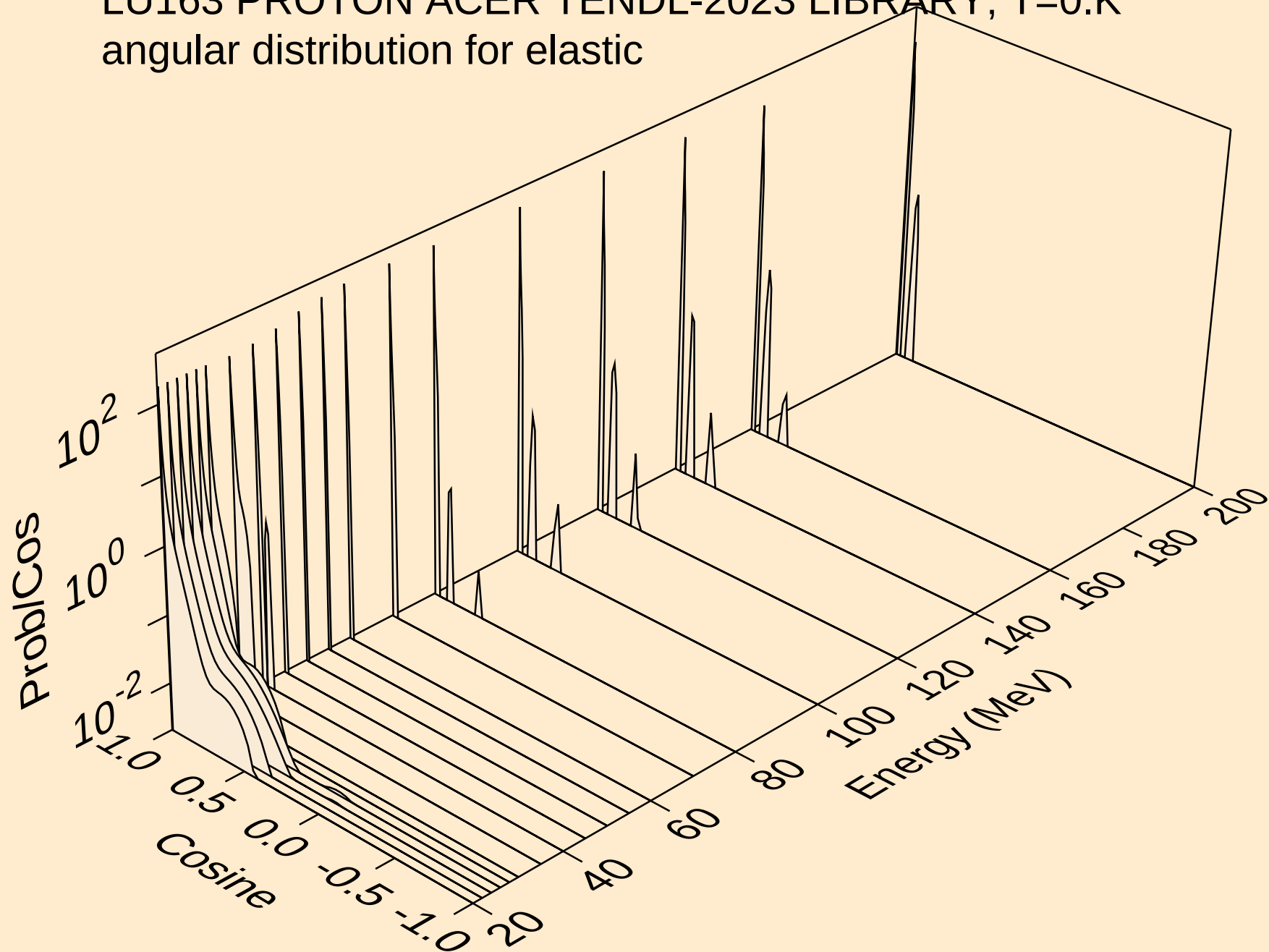
Threshold reactions



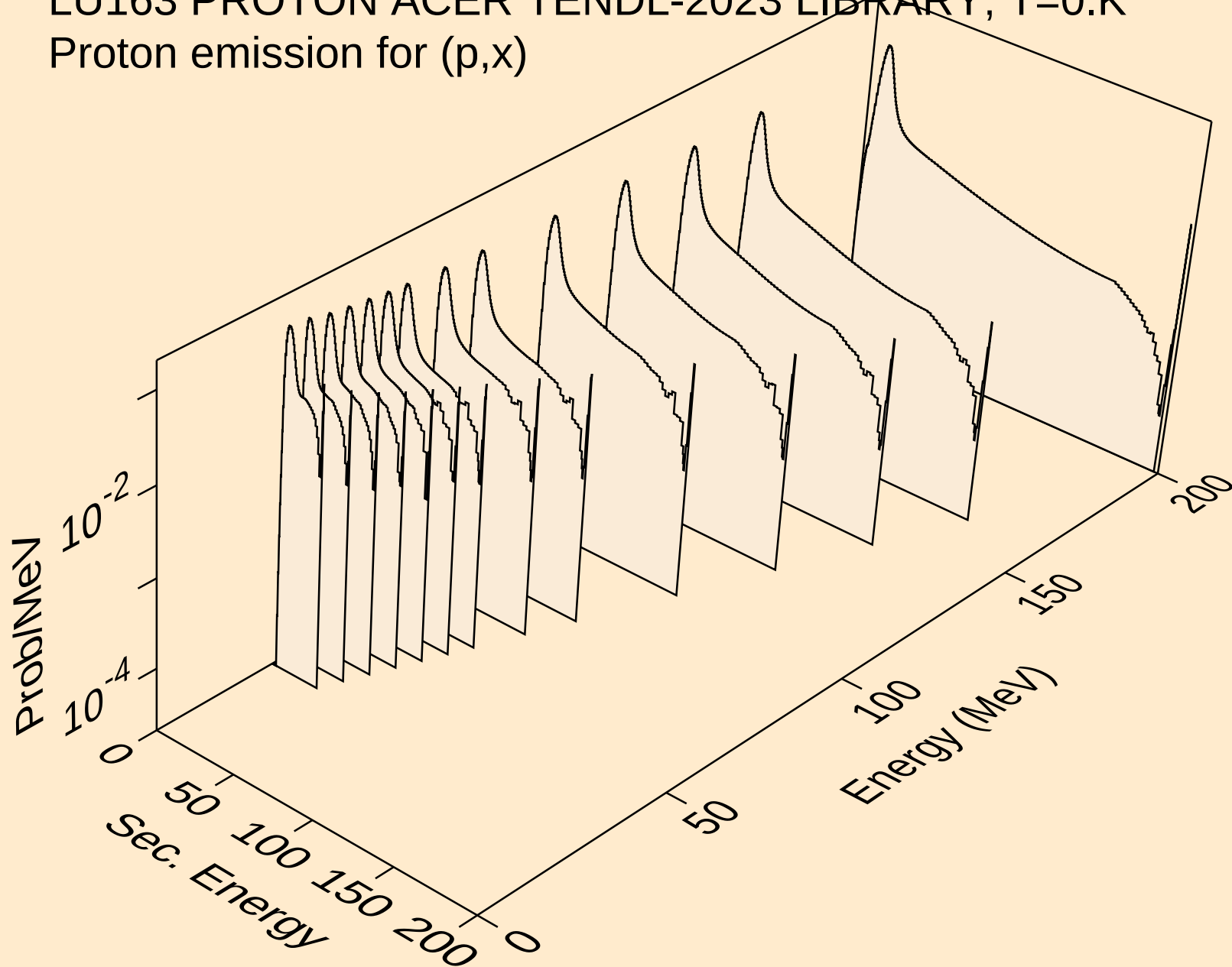
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

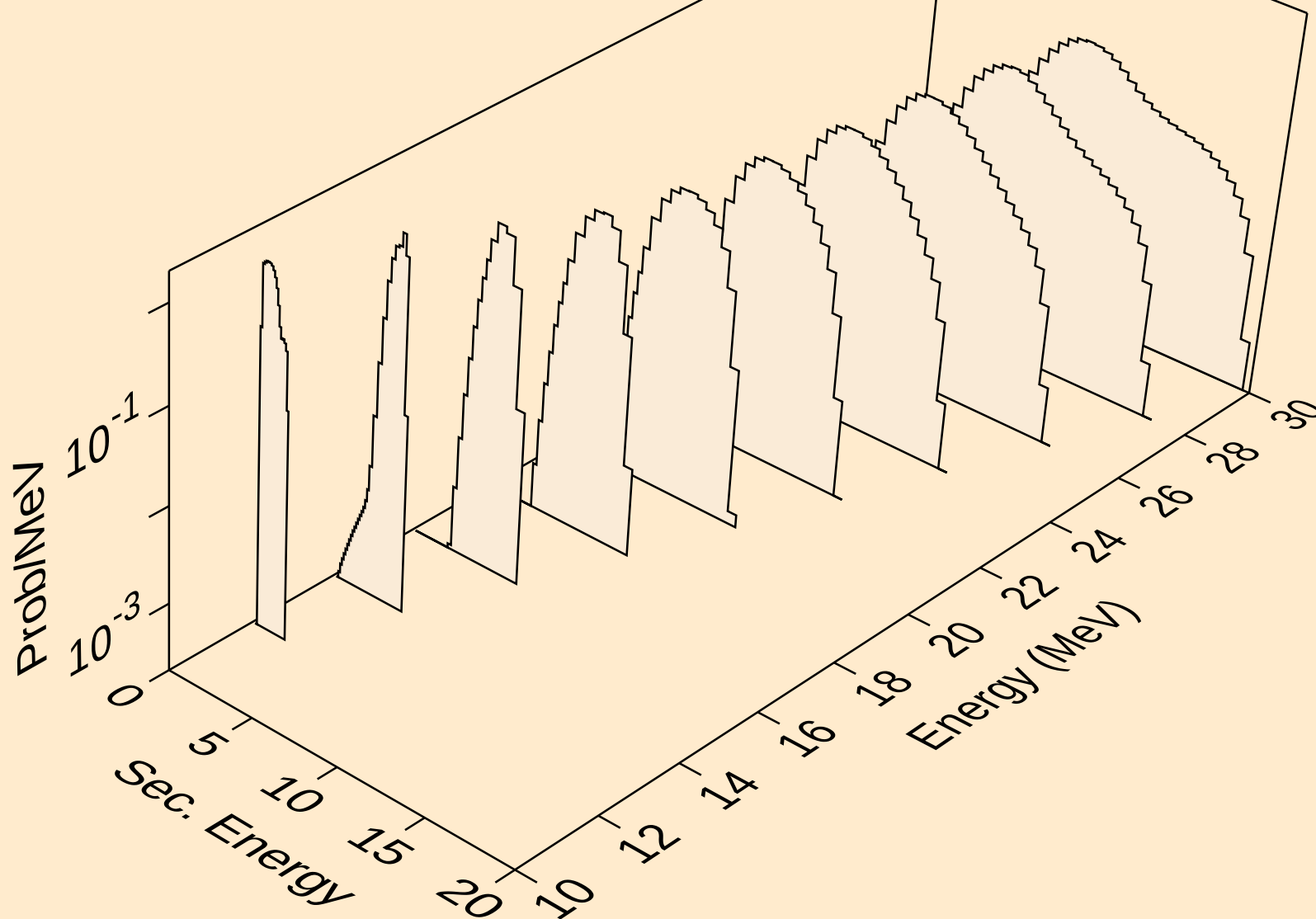


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)

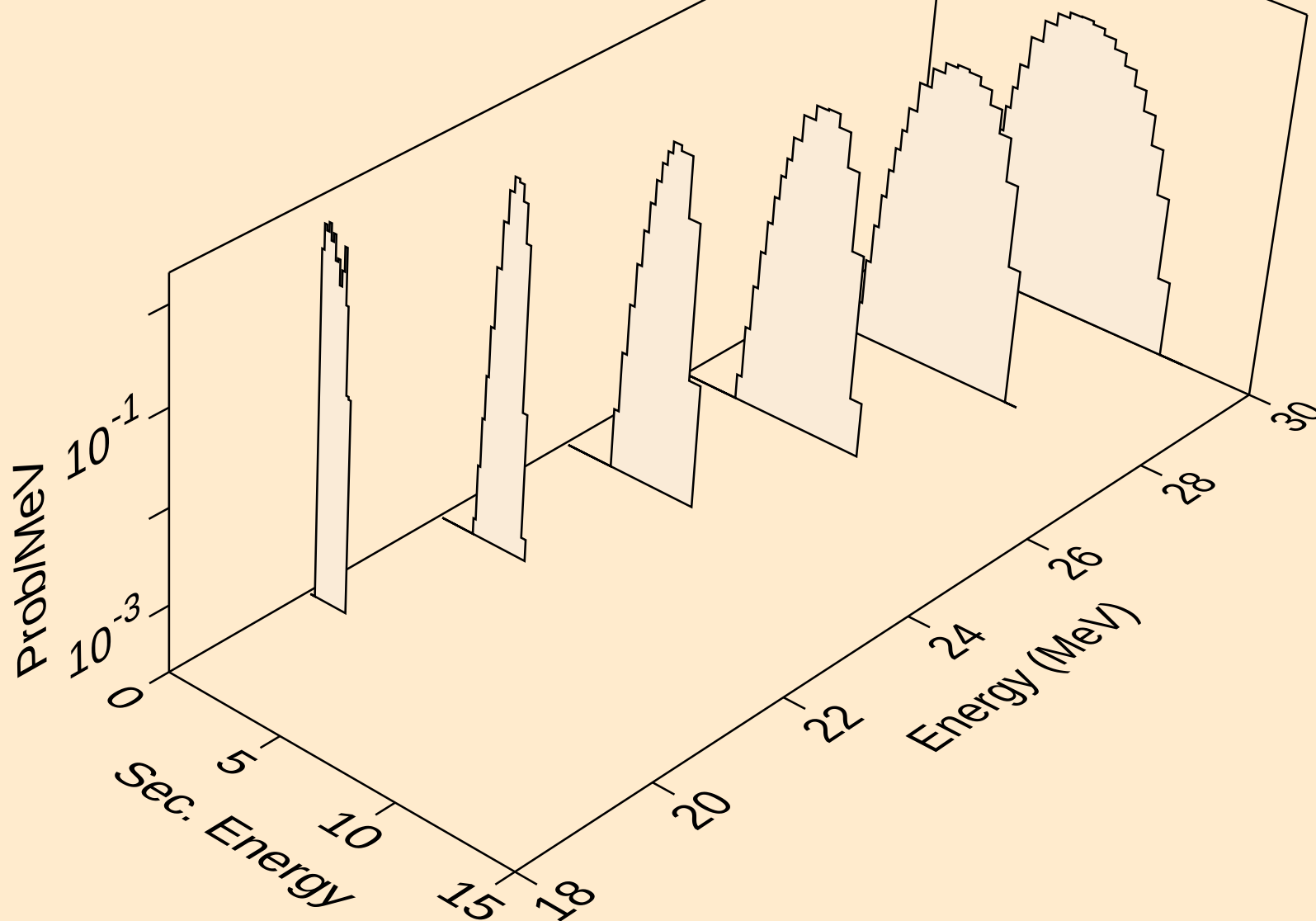


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

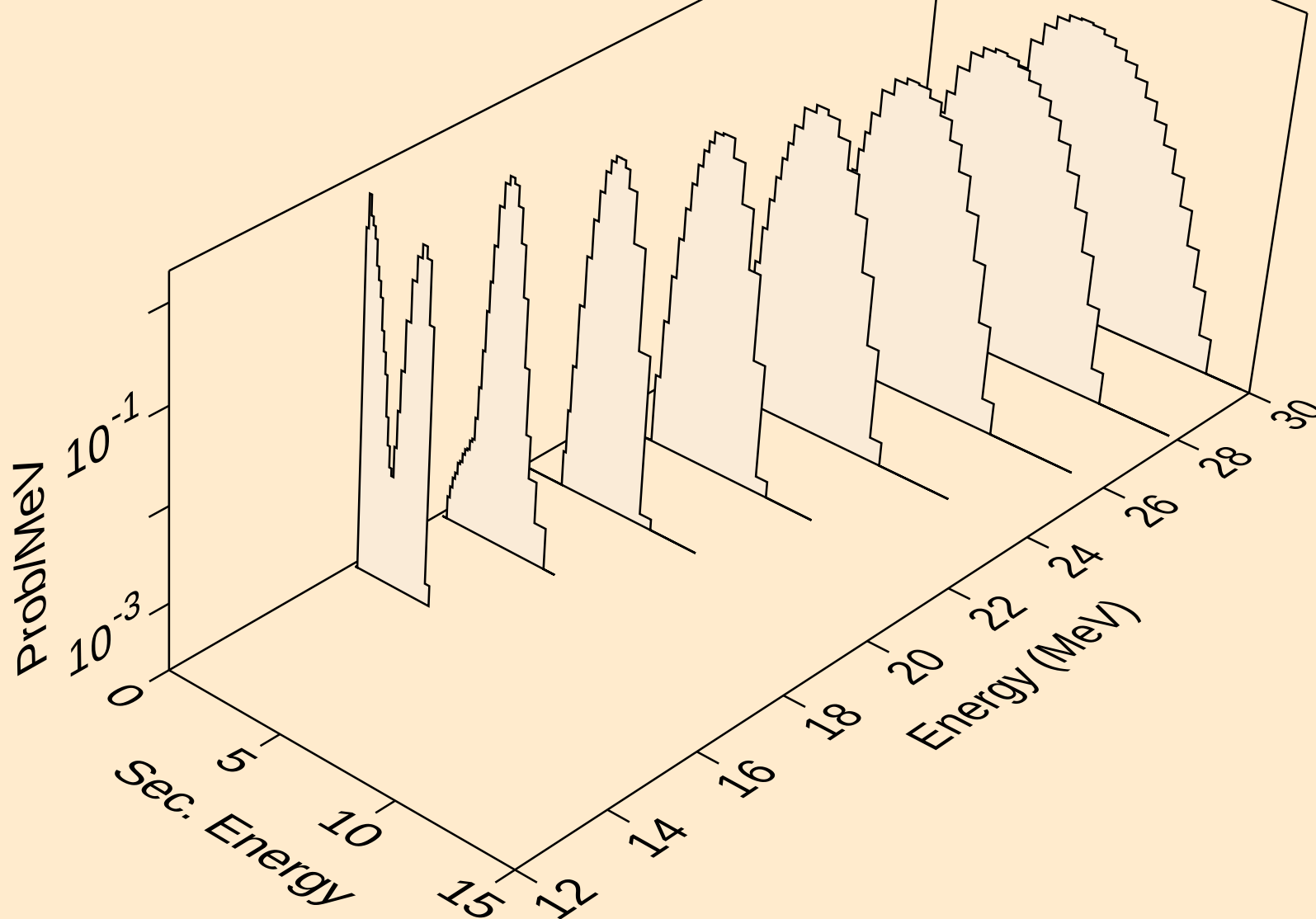
Proton emission for $(p,n^*)p$



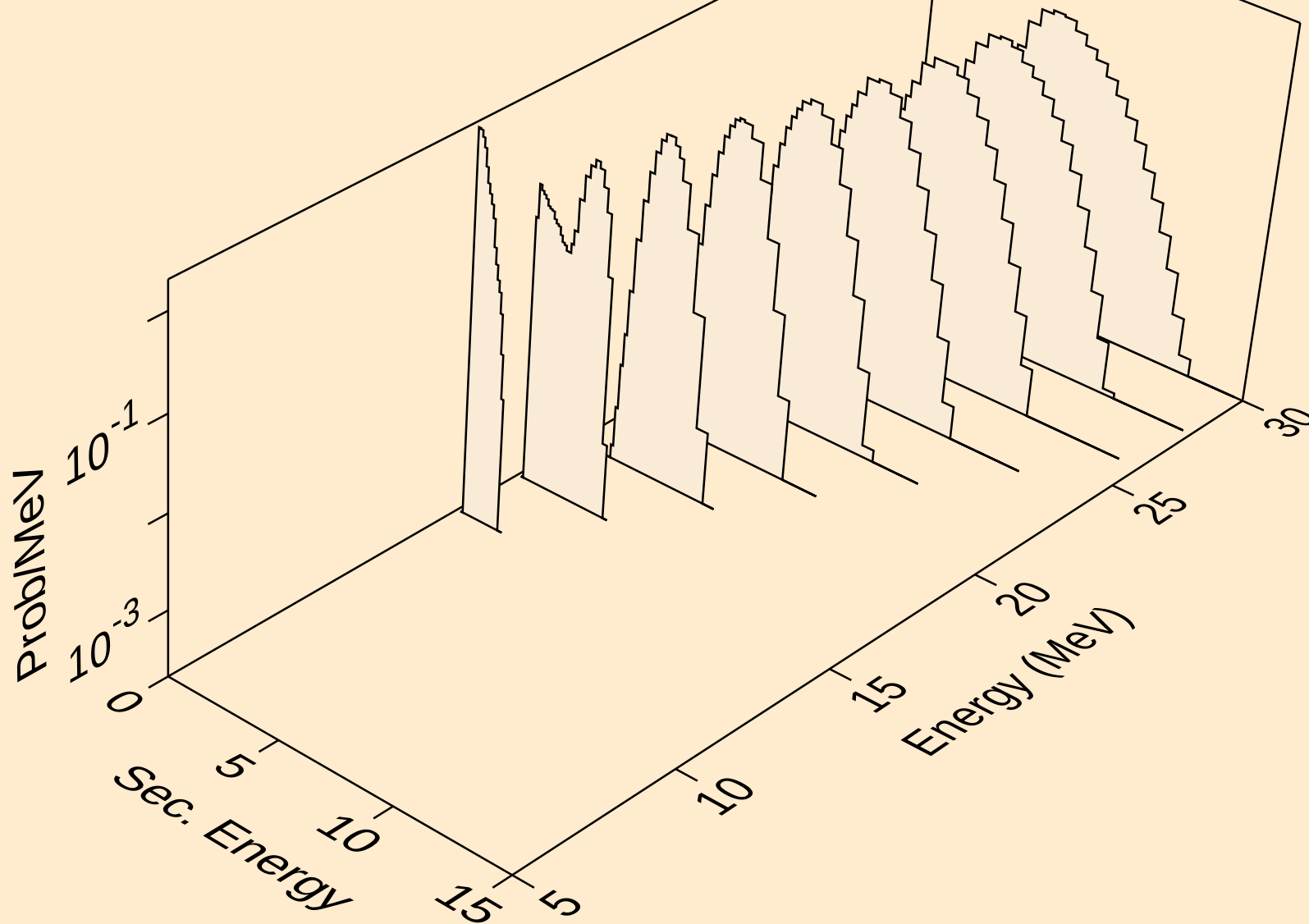
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)



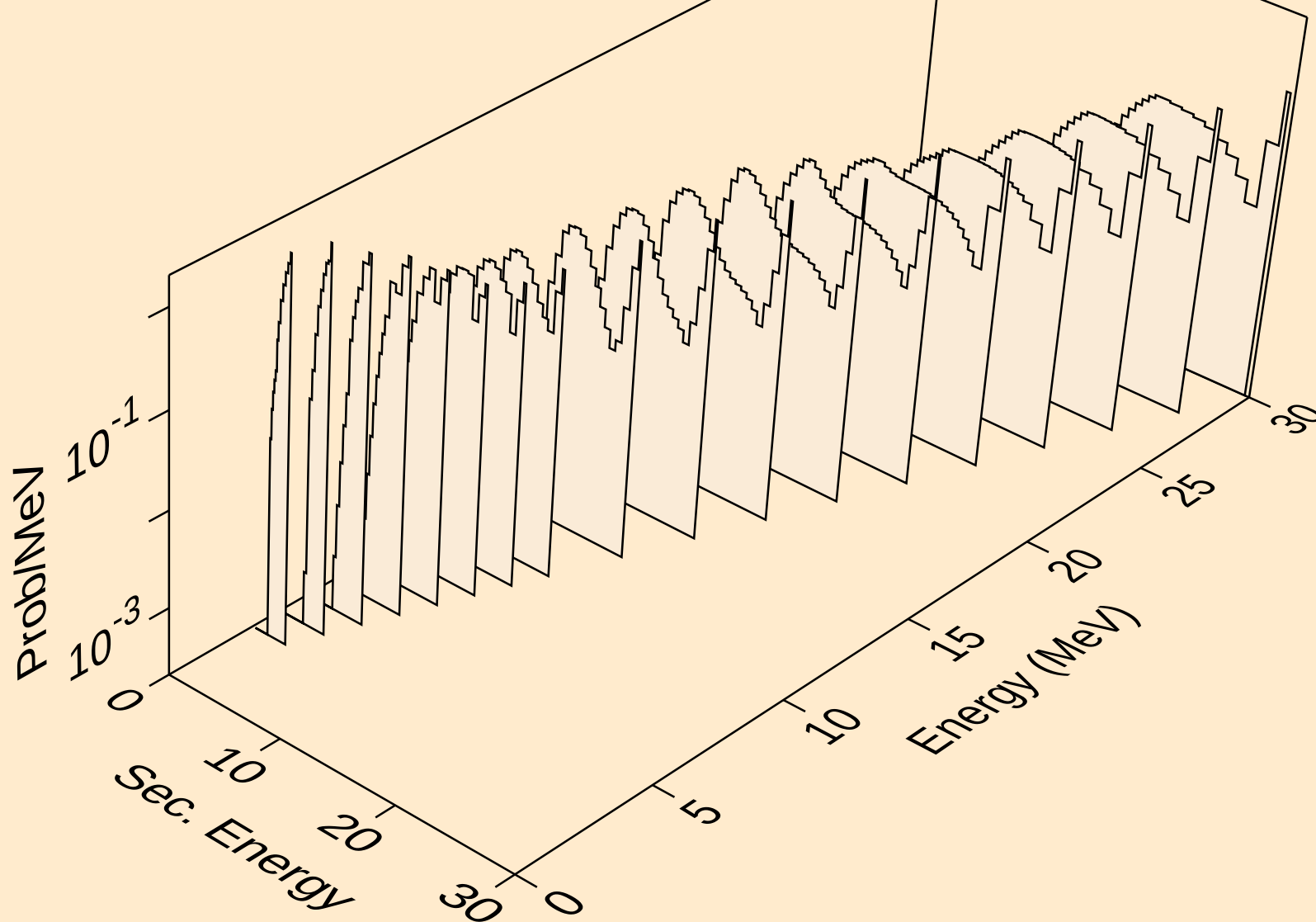
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n2p)



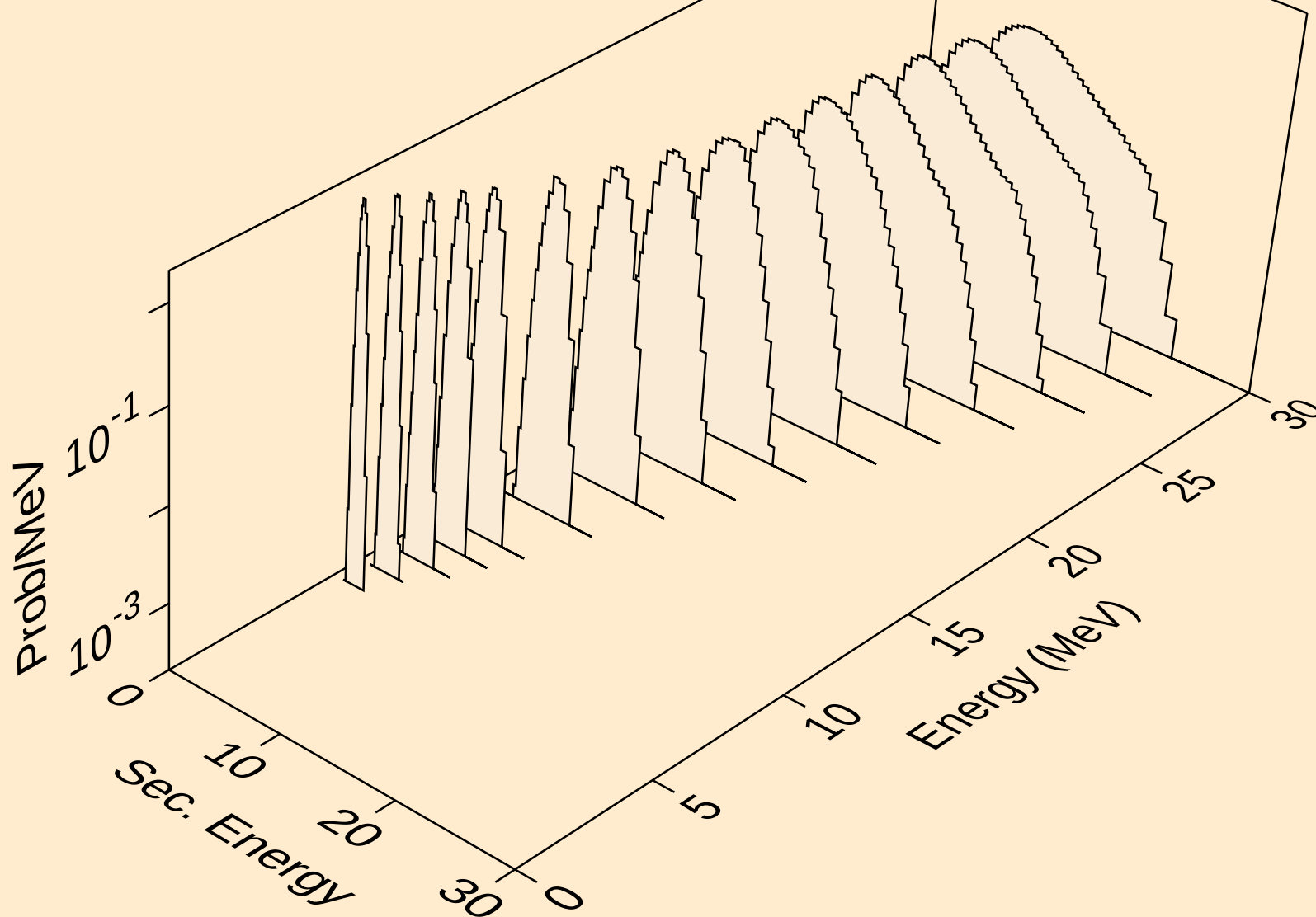
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)



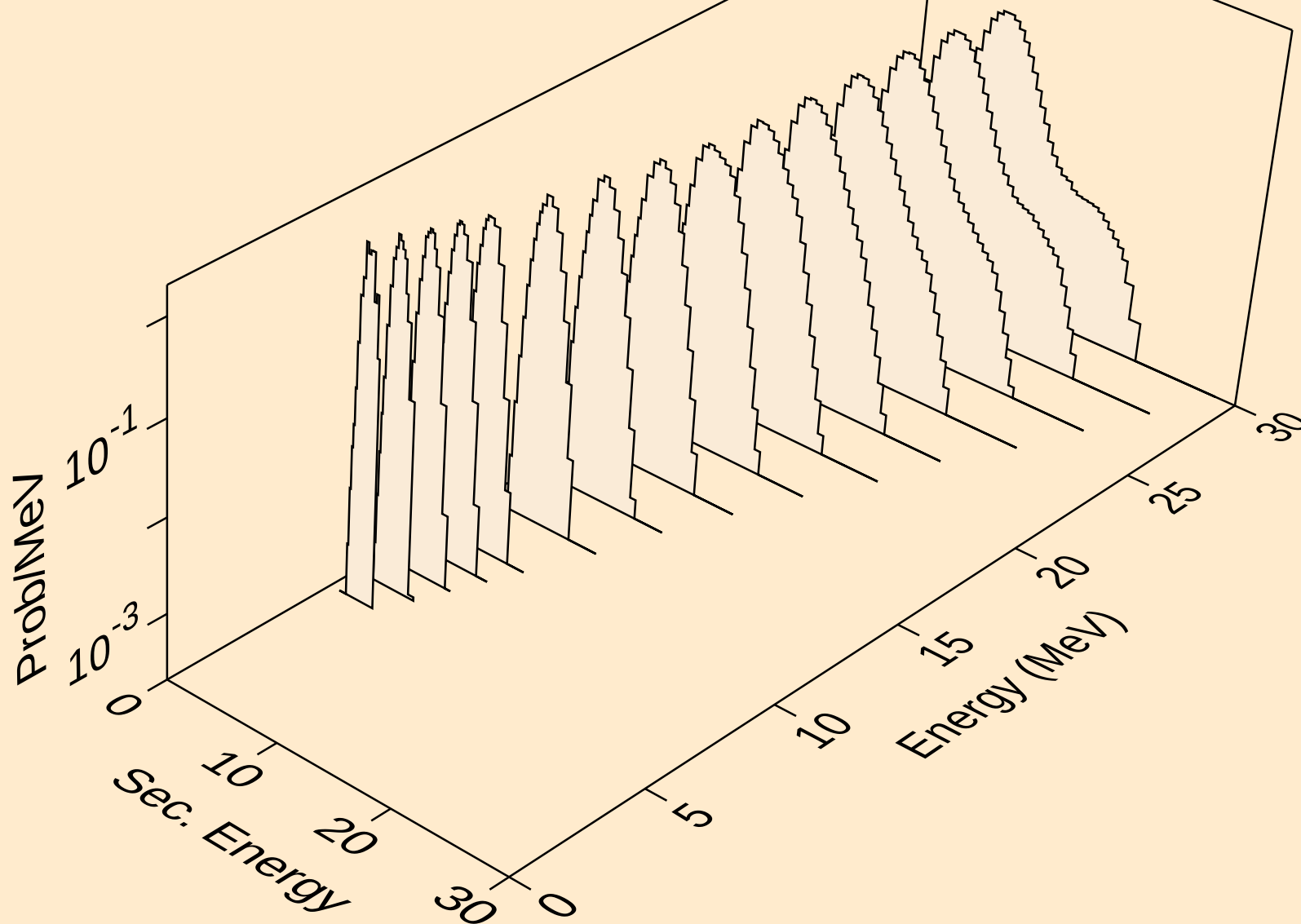
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



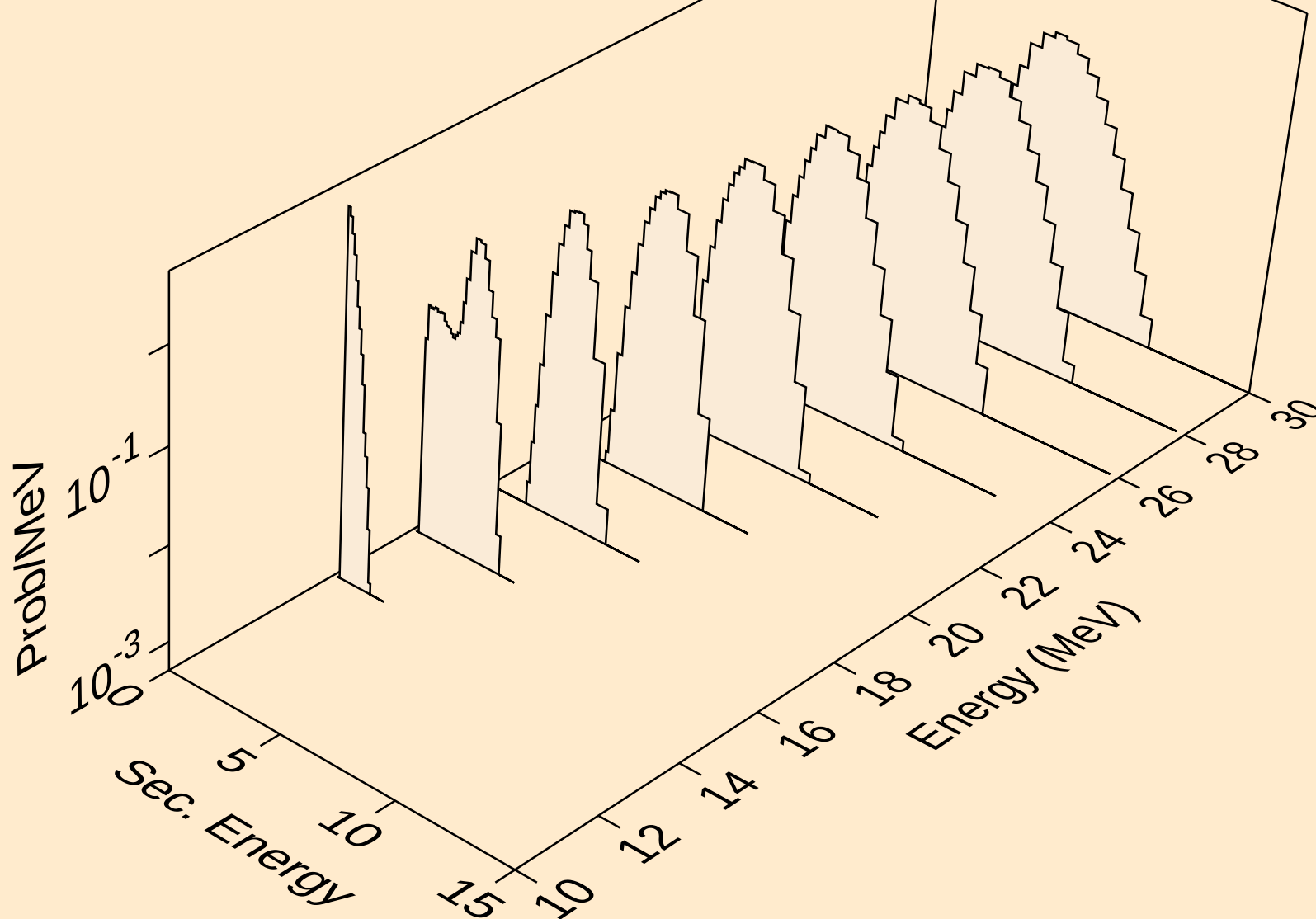
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2p)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pa)

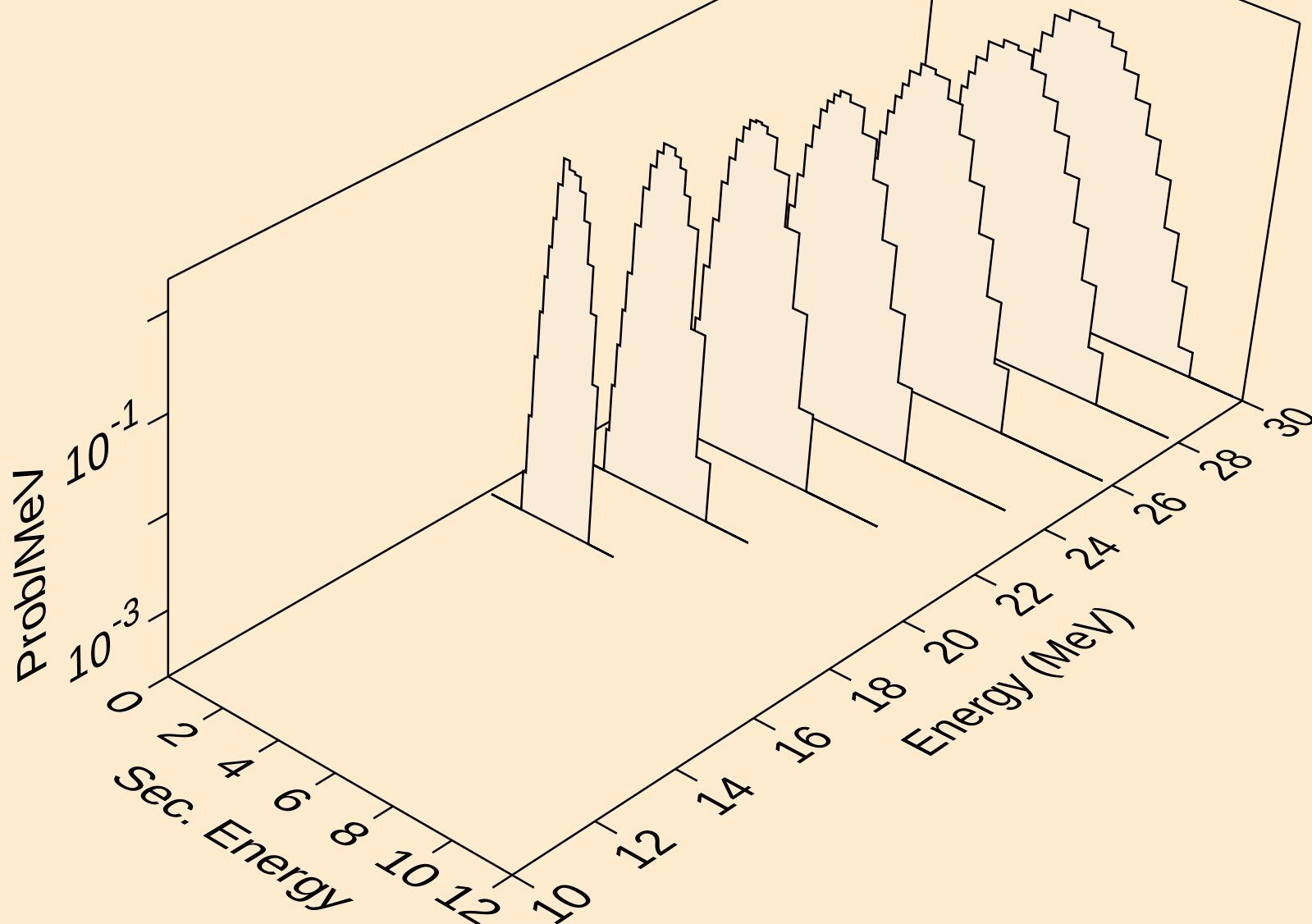


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pd)

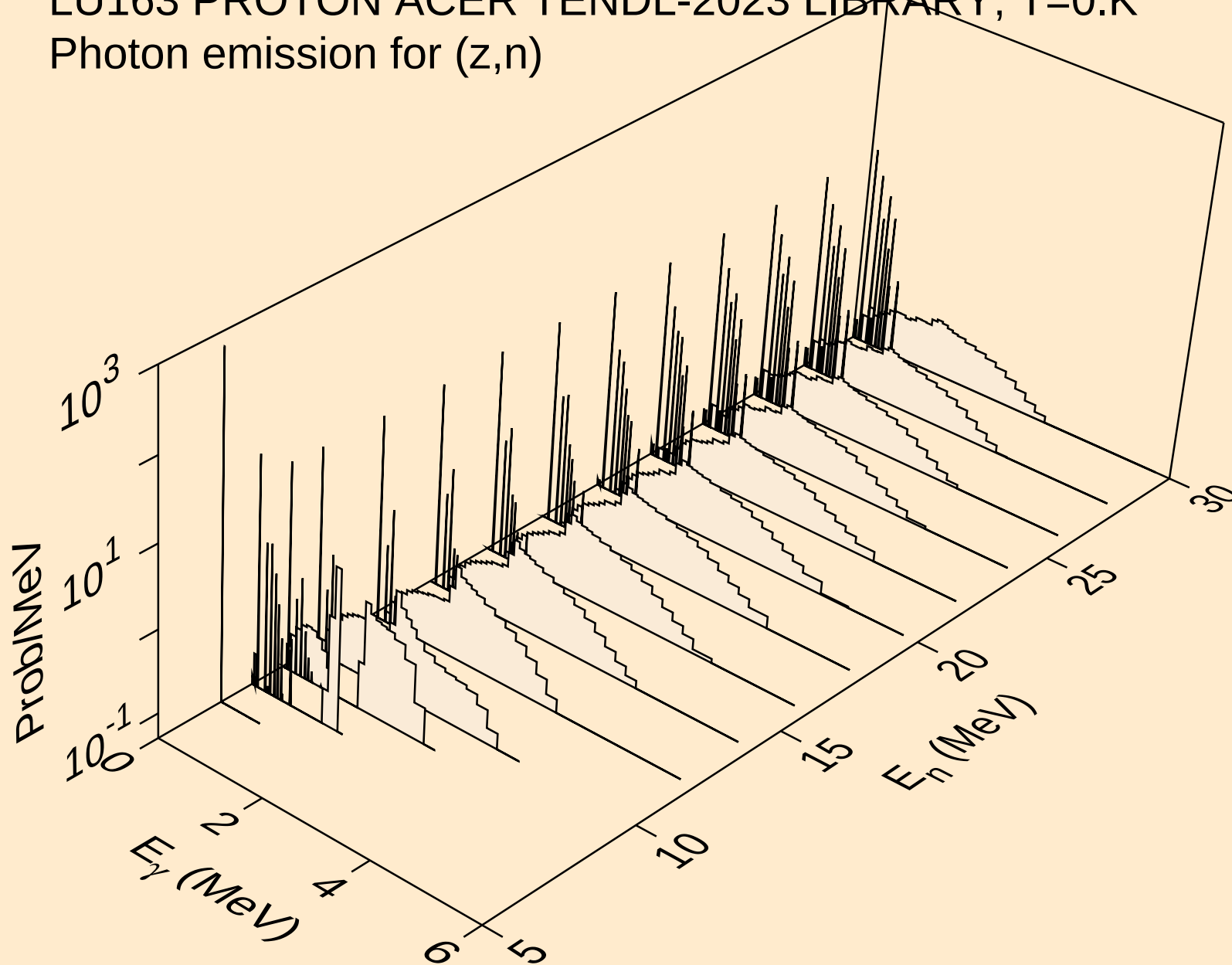


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

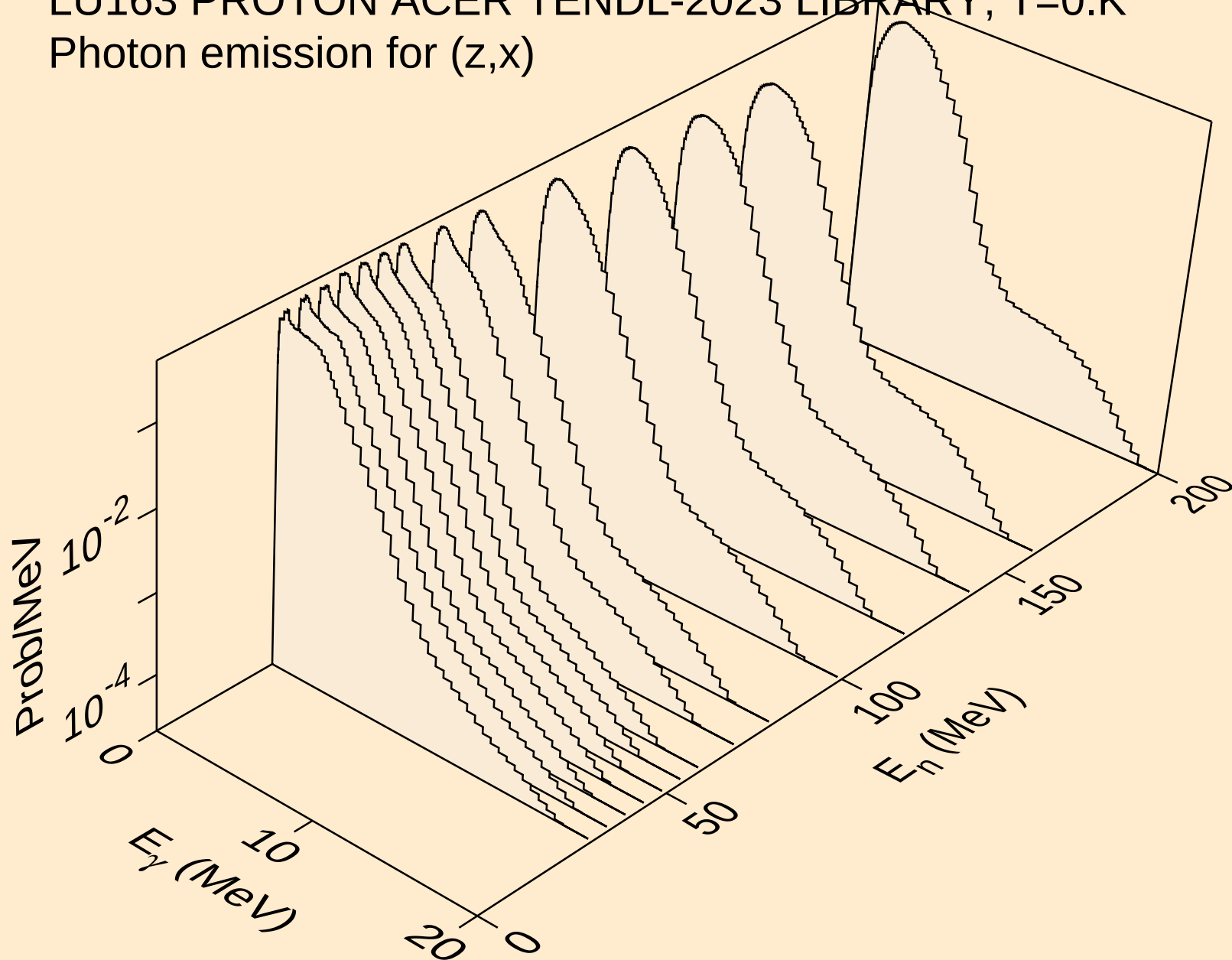


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

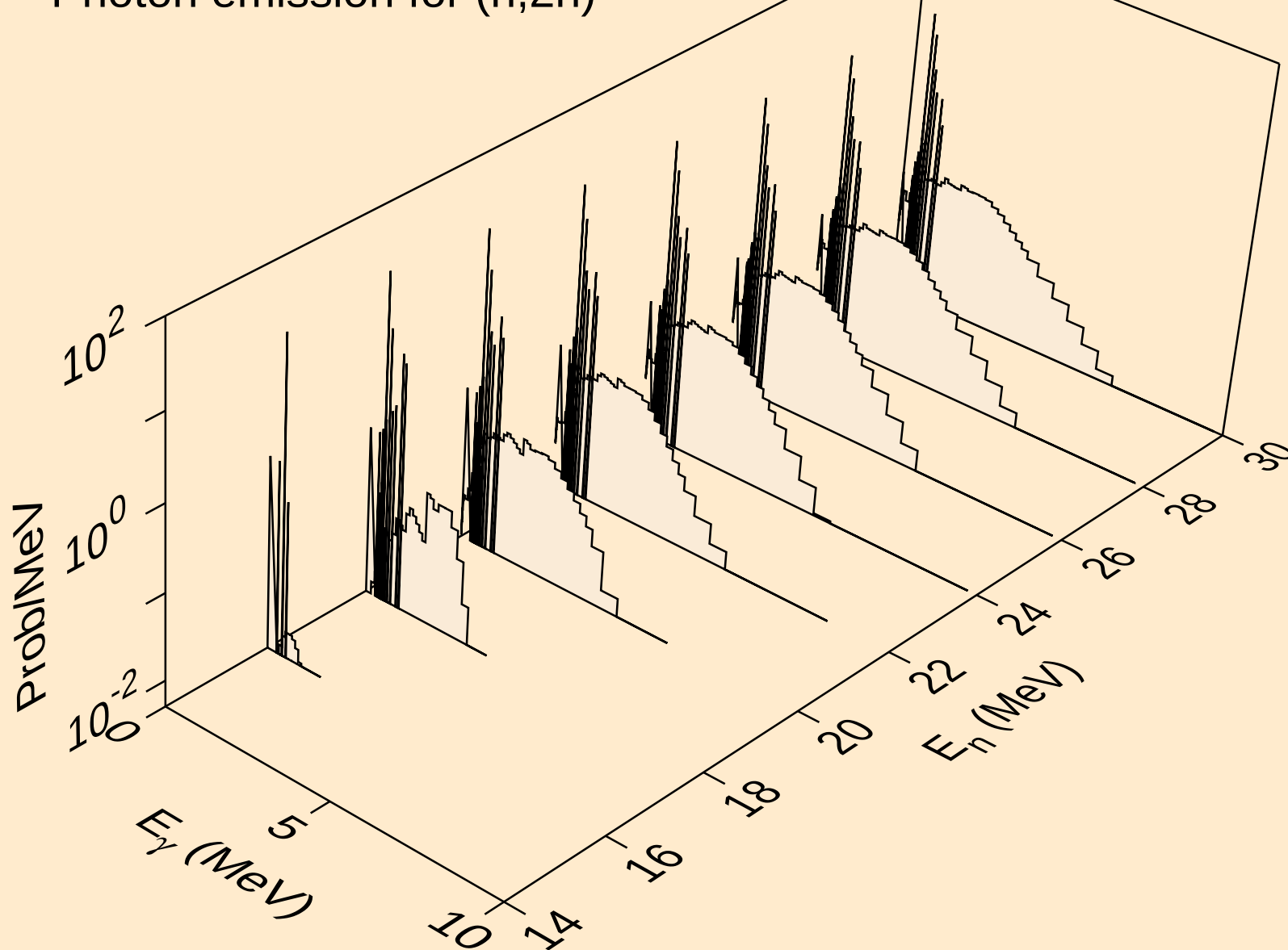


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

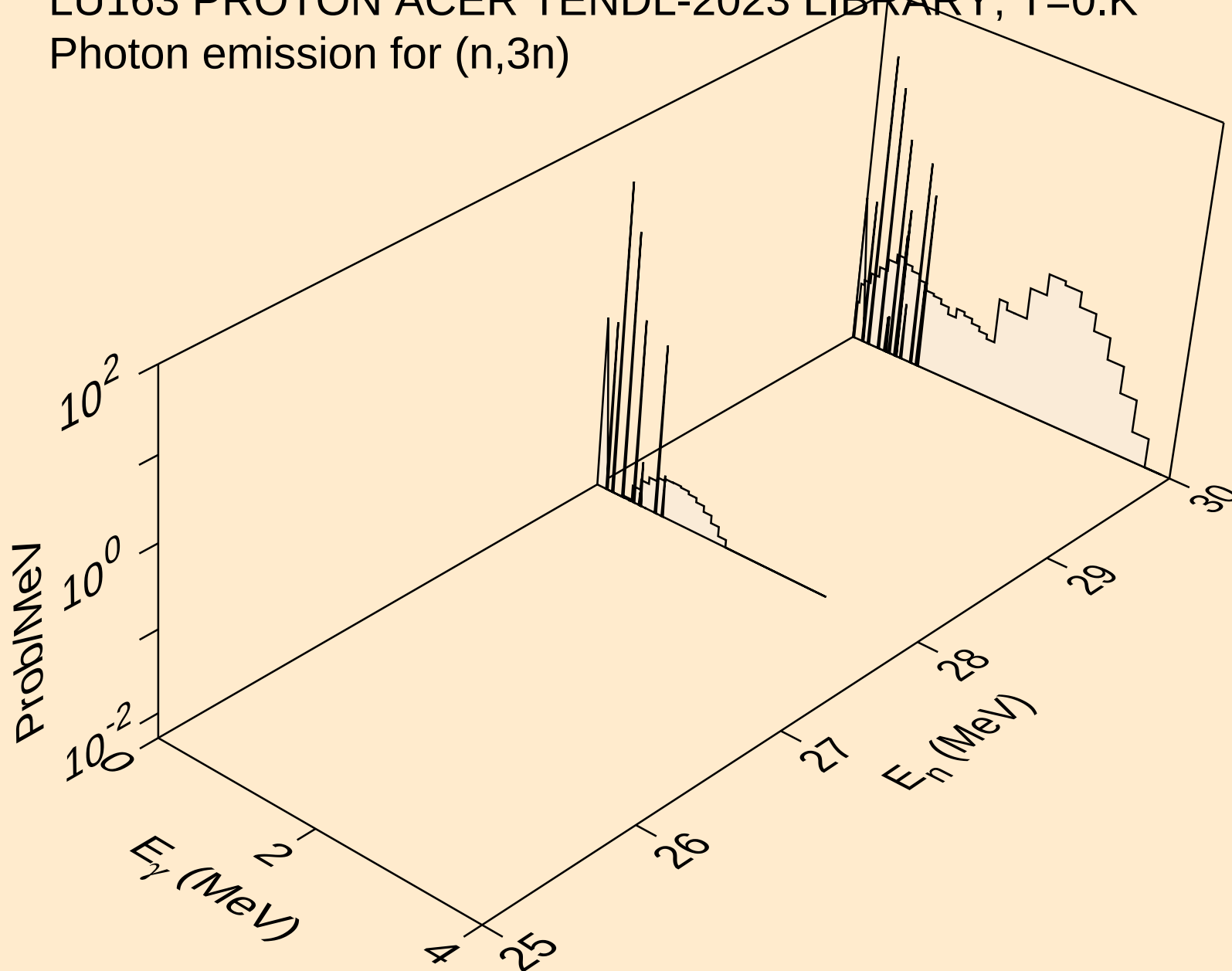
Photon emission for (z,x)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

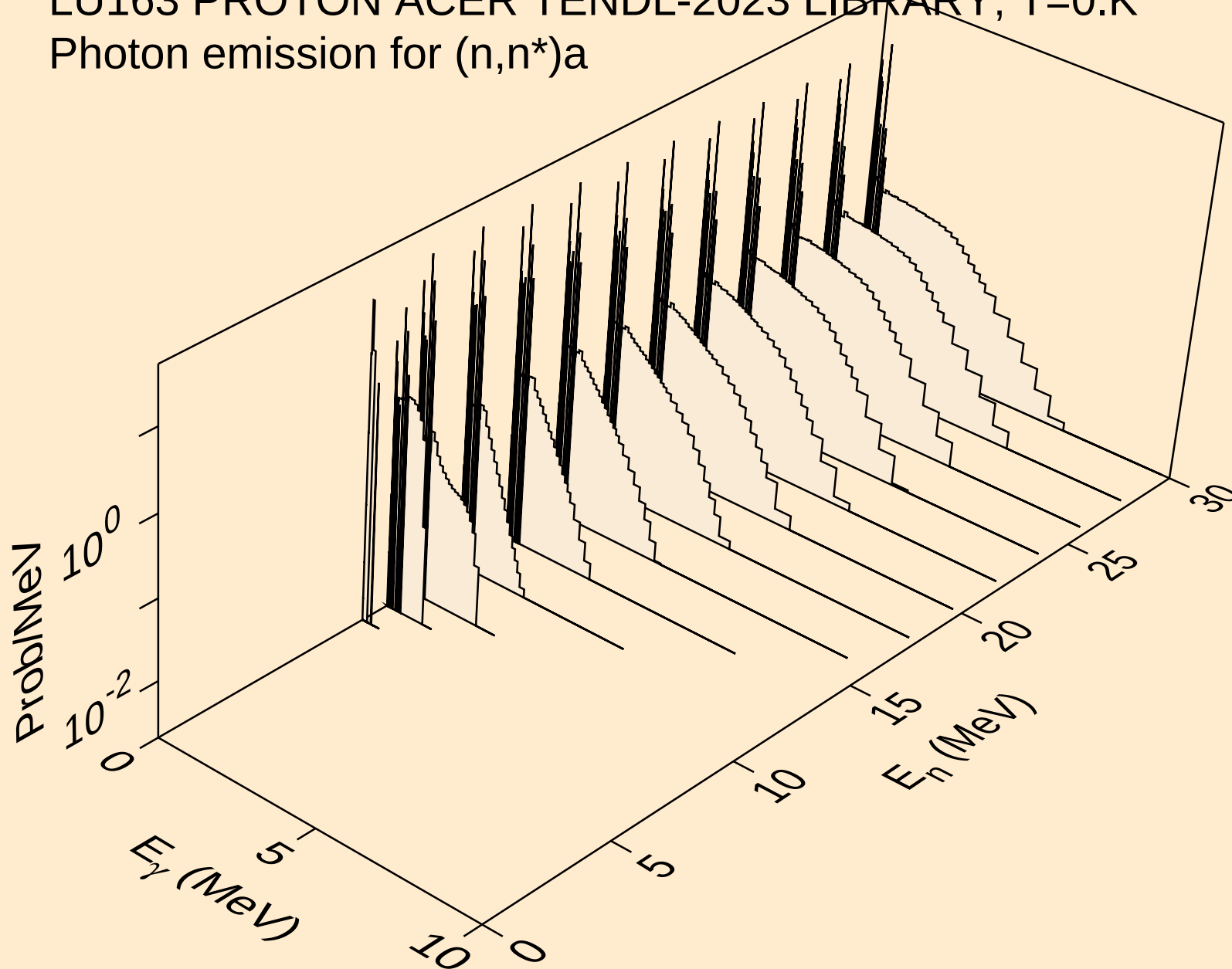


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



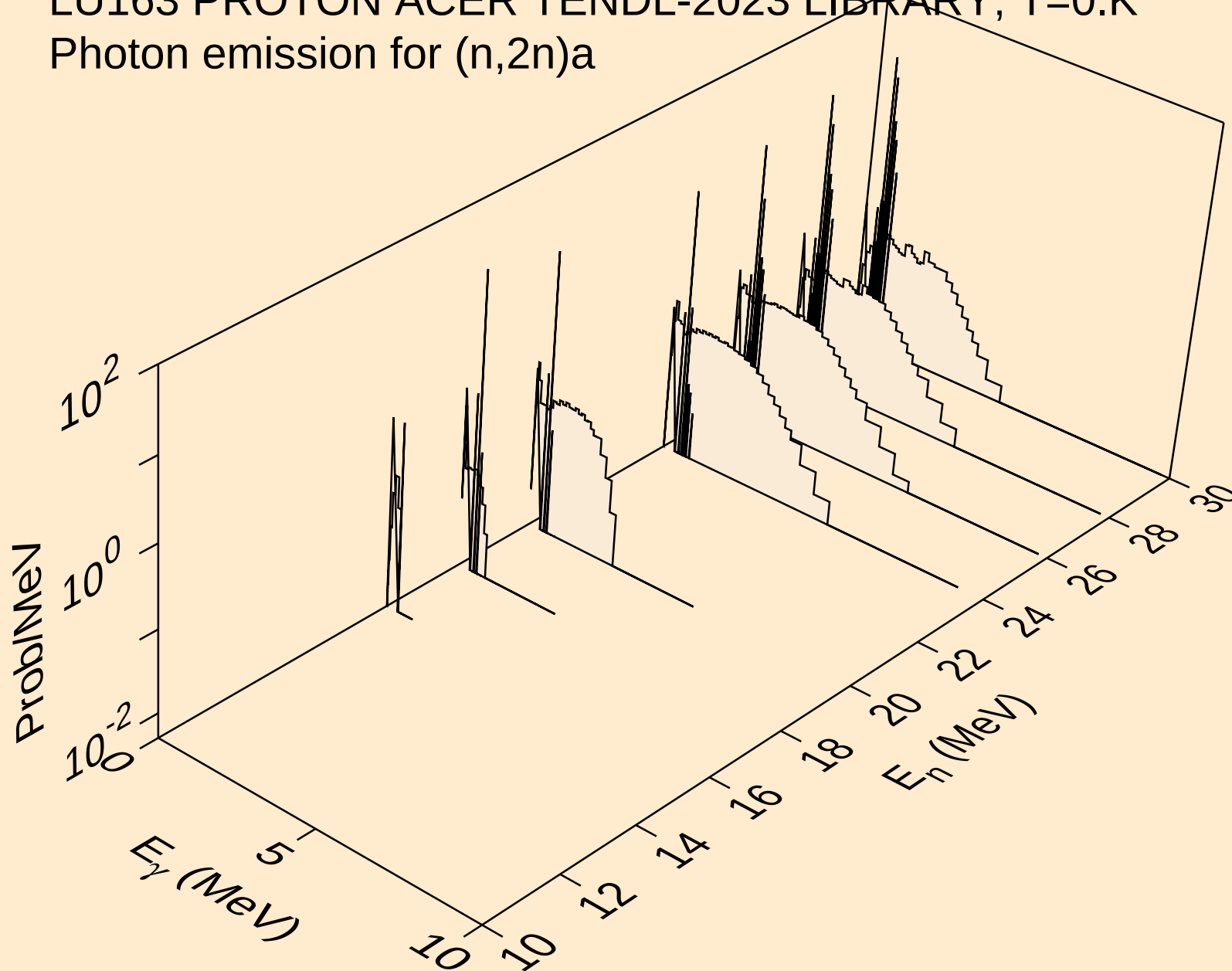
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



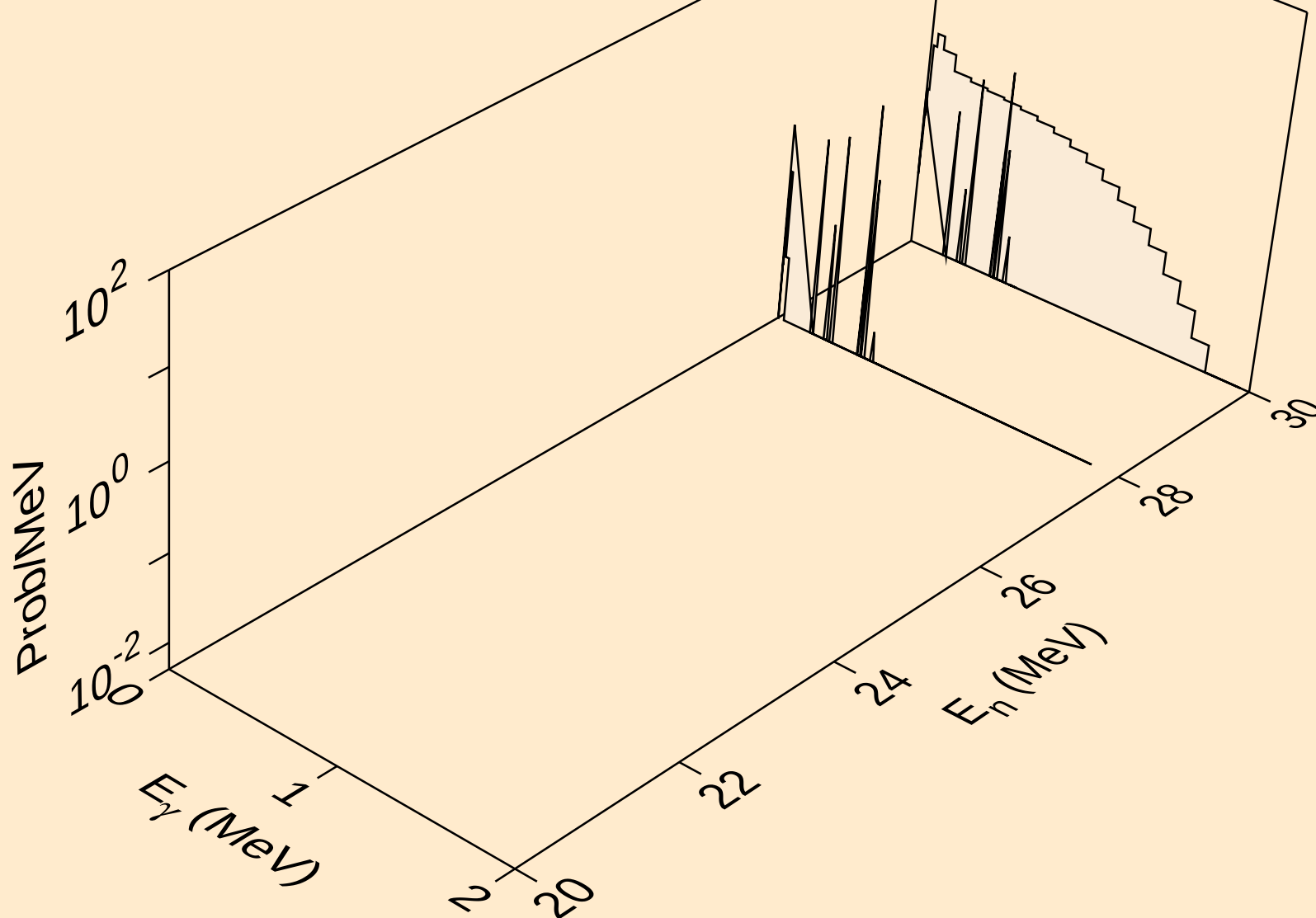
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α

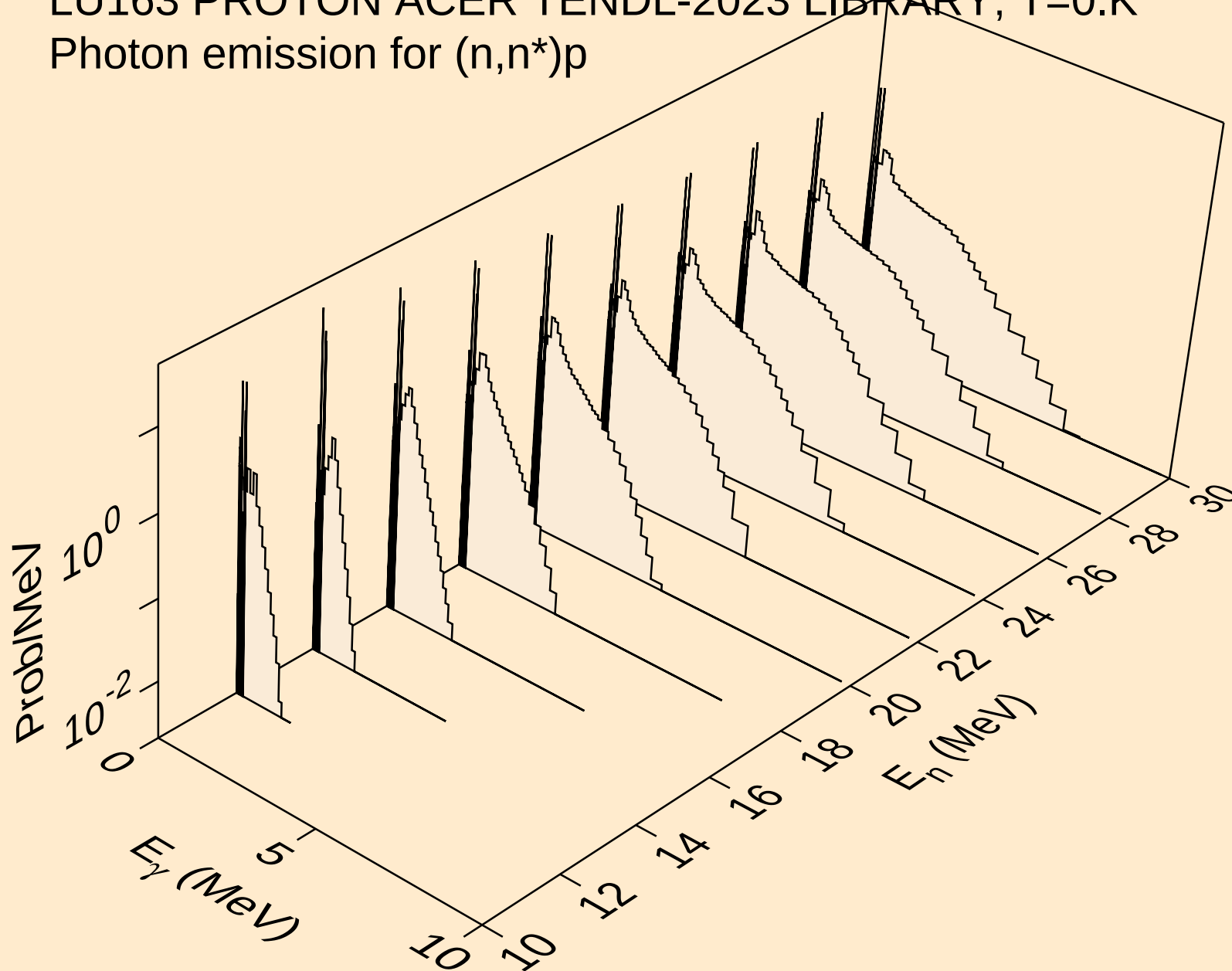


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α

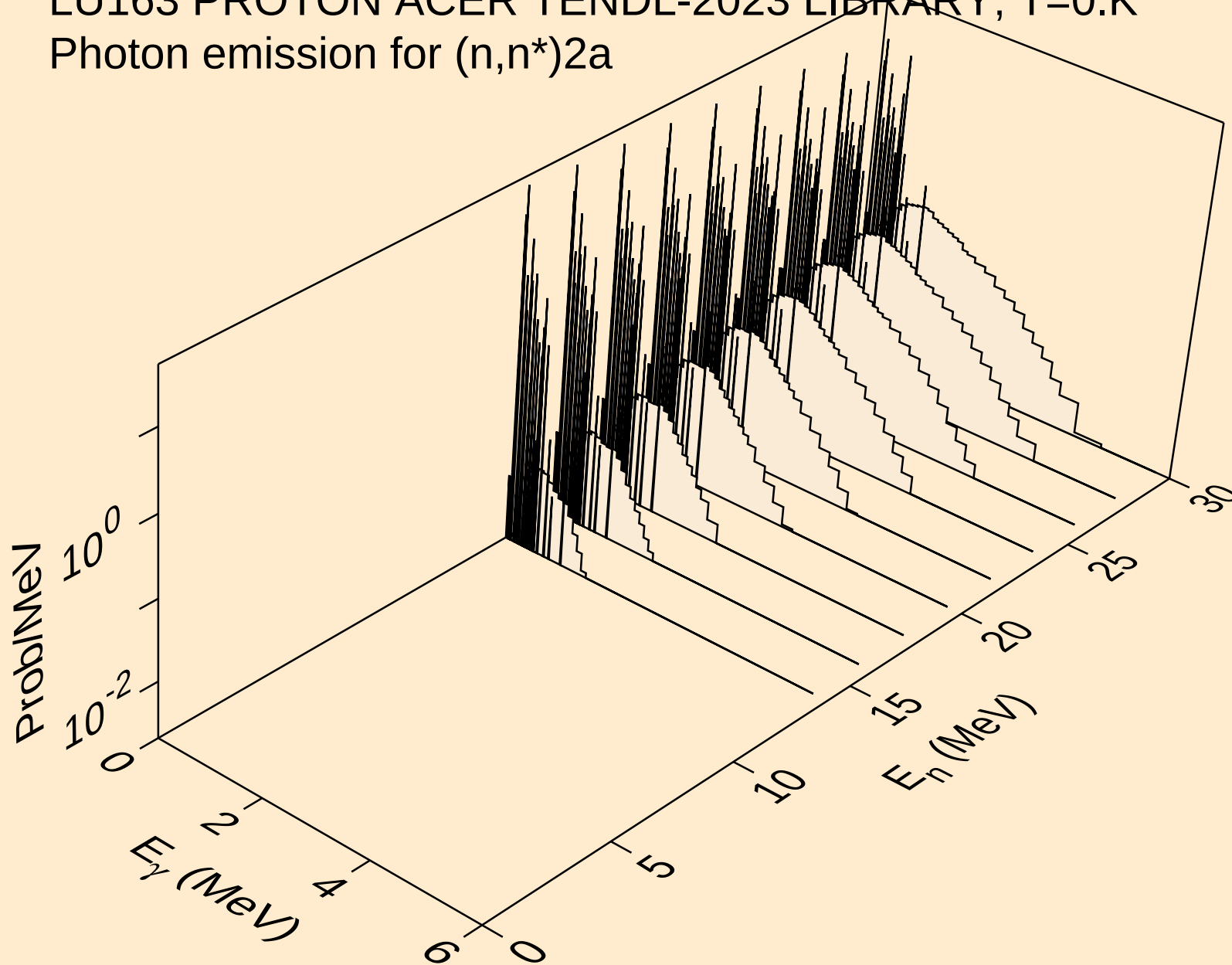


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



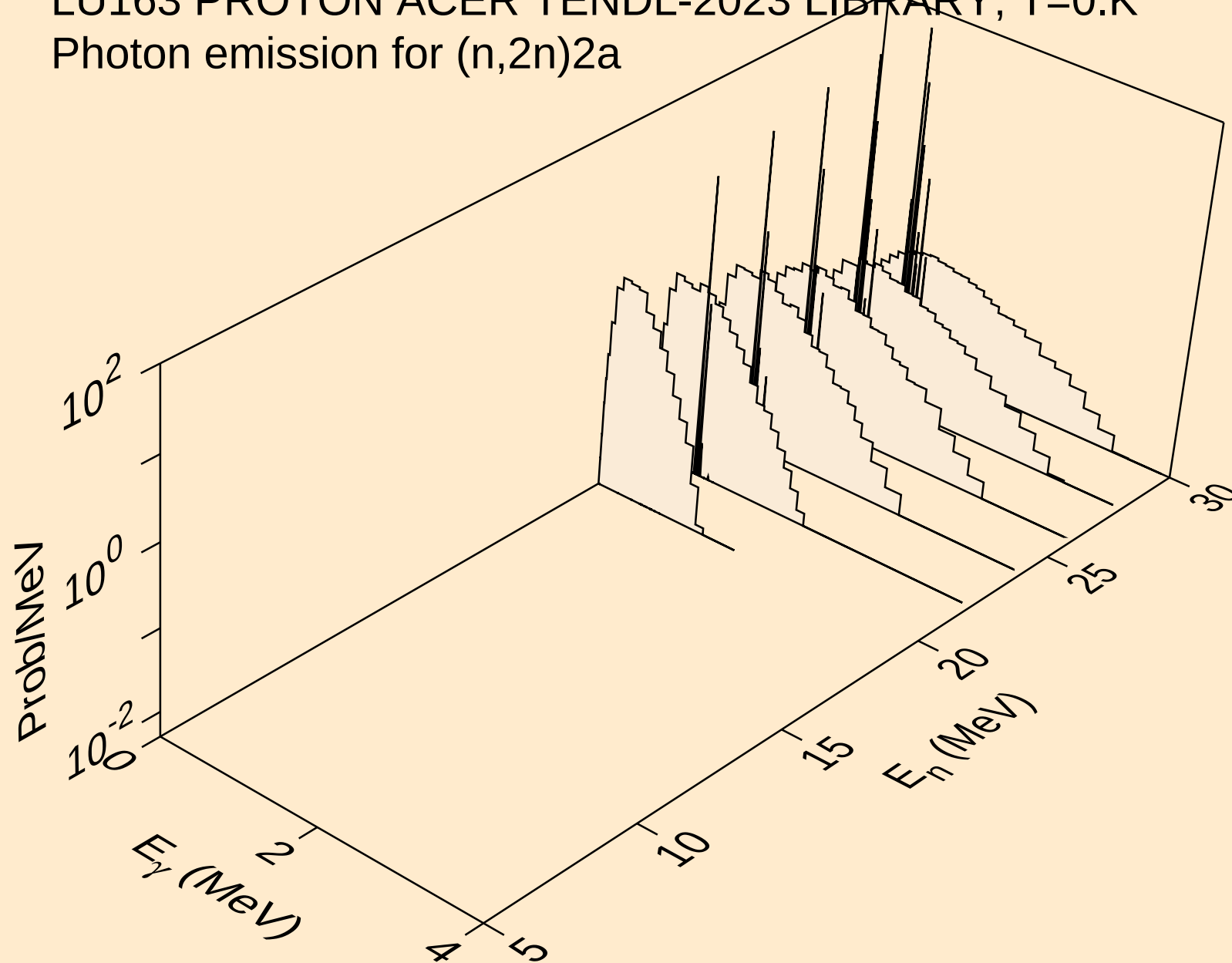
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a



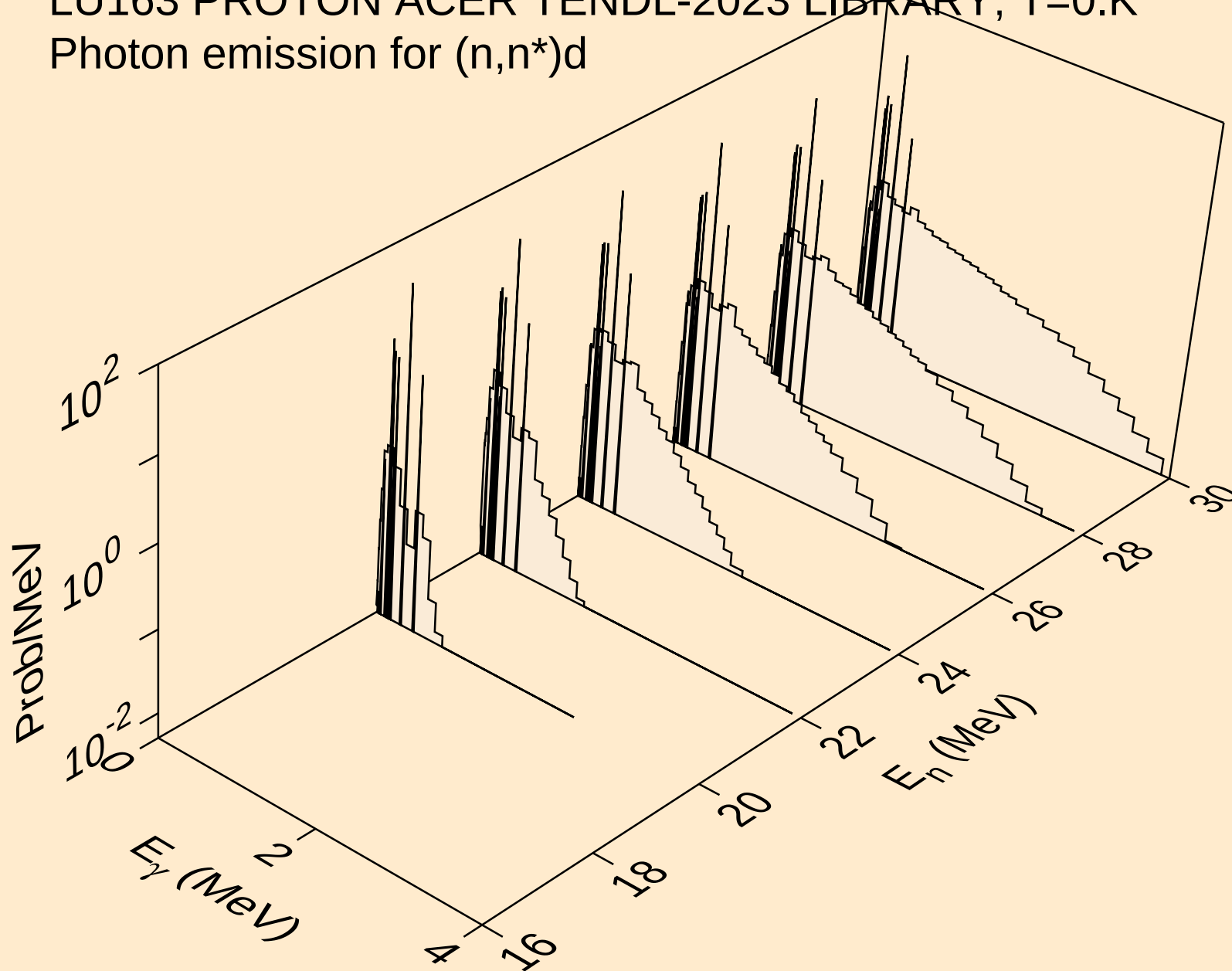
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)2a



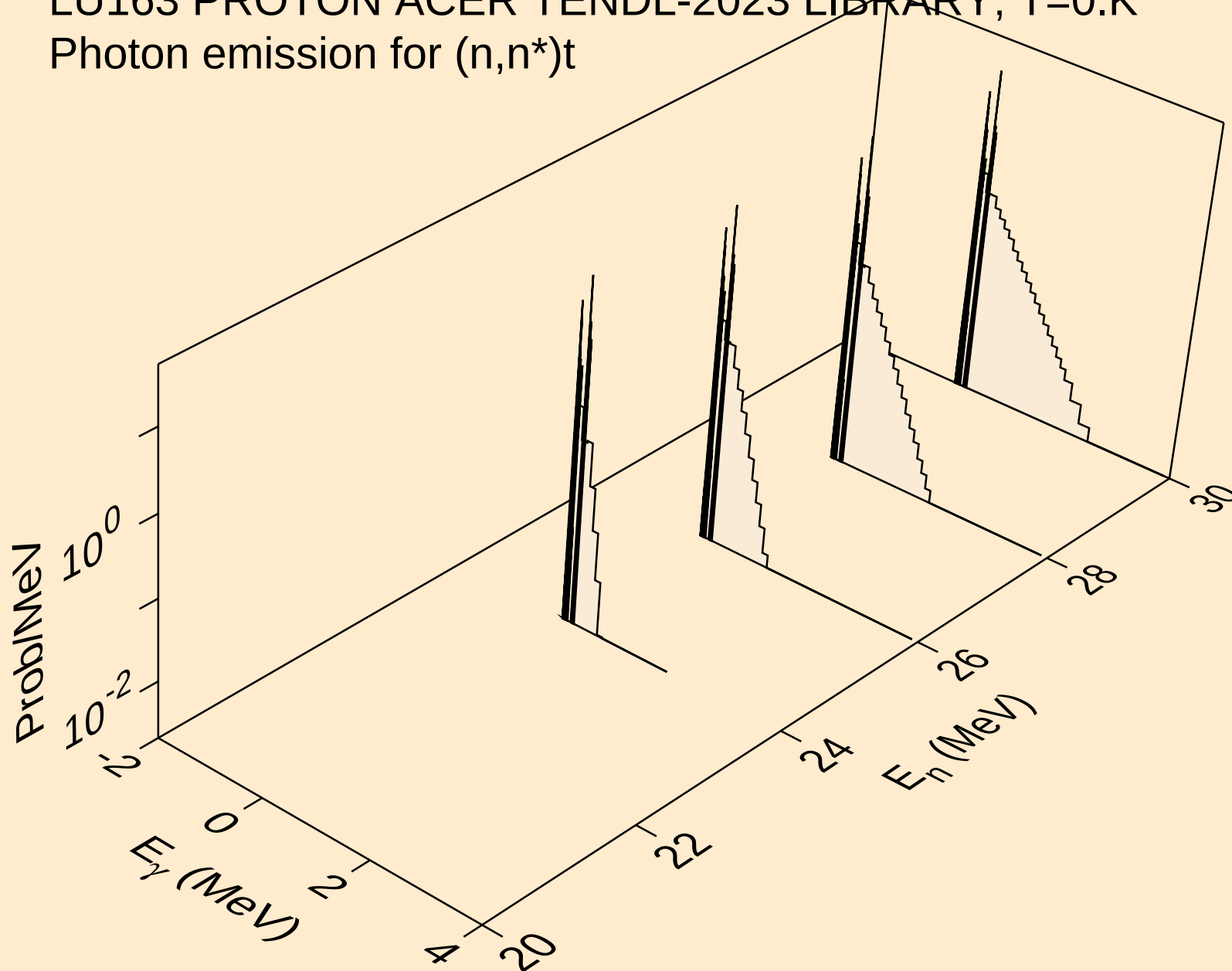
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

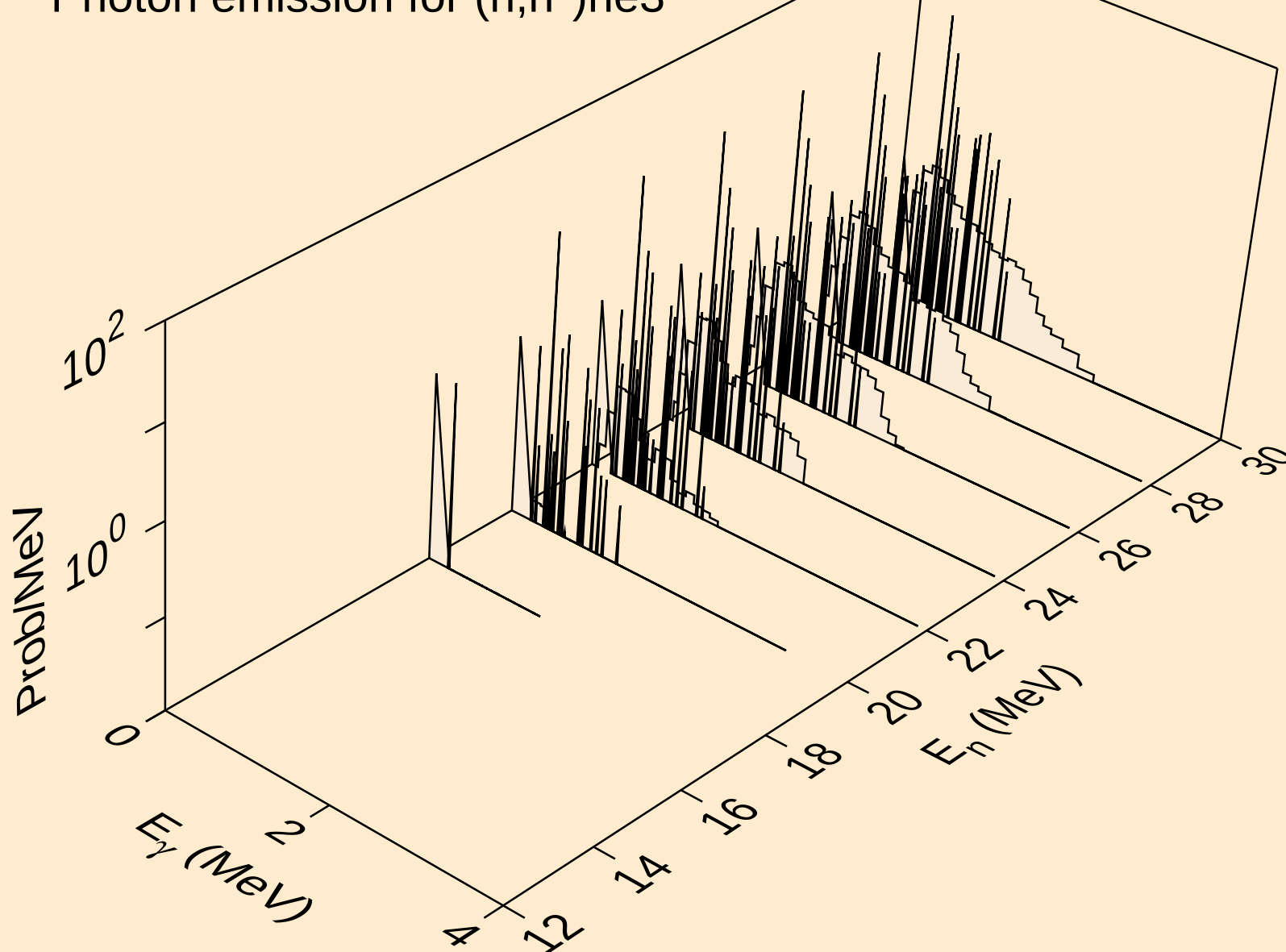


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

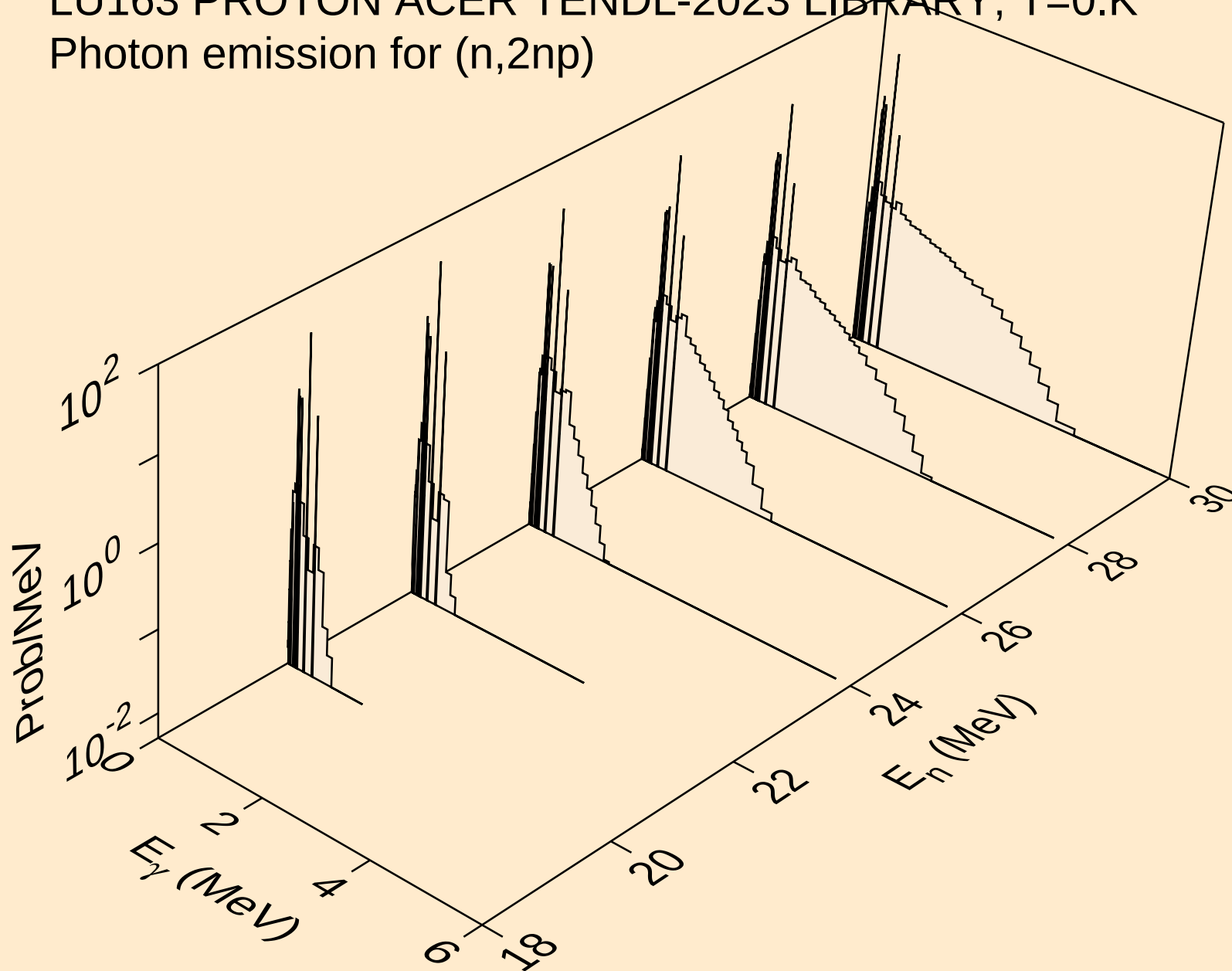
Photon emission for (n,n*)t



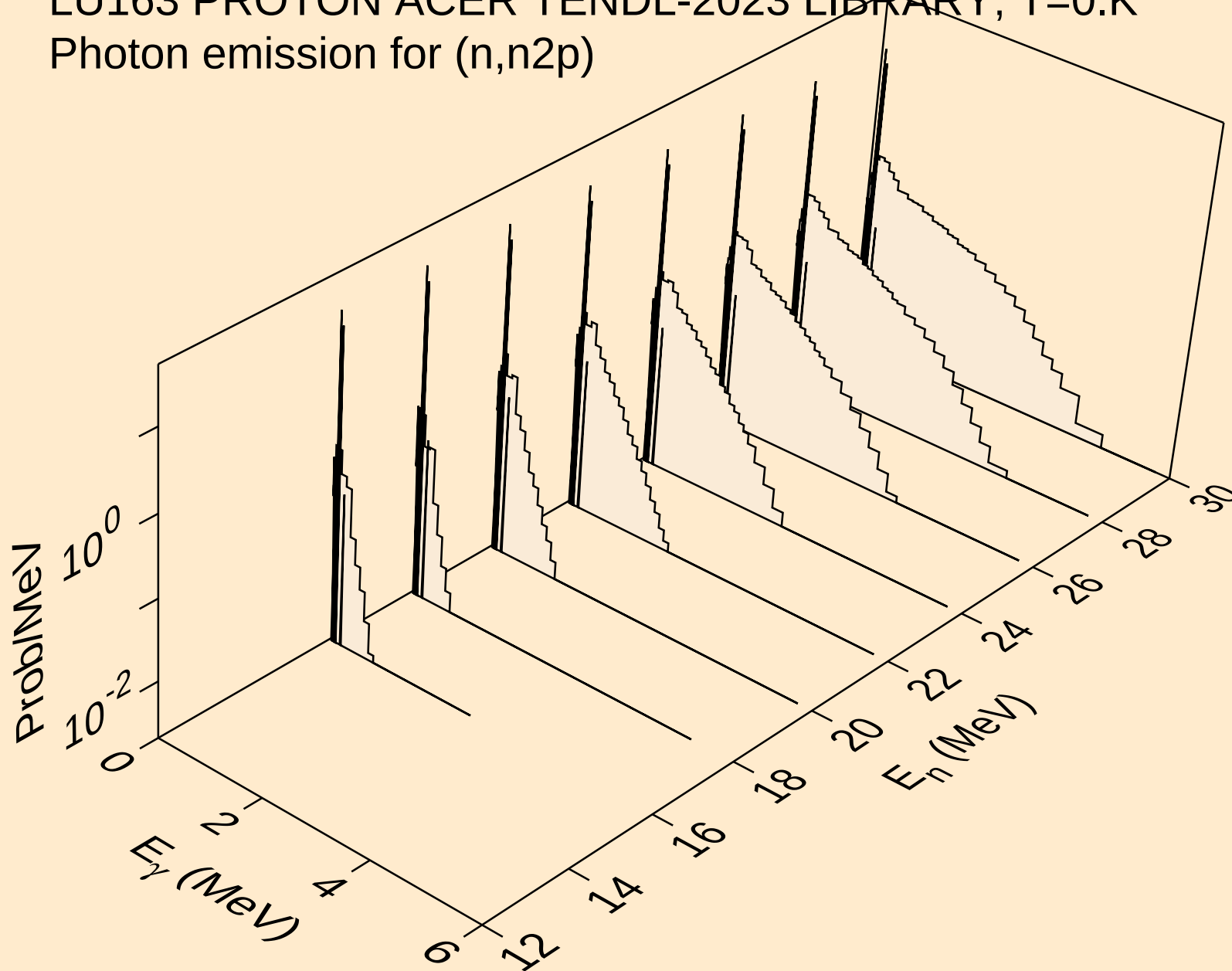
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



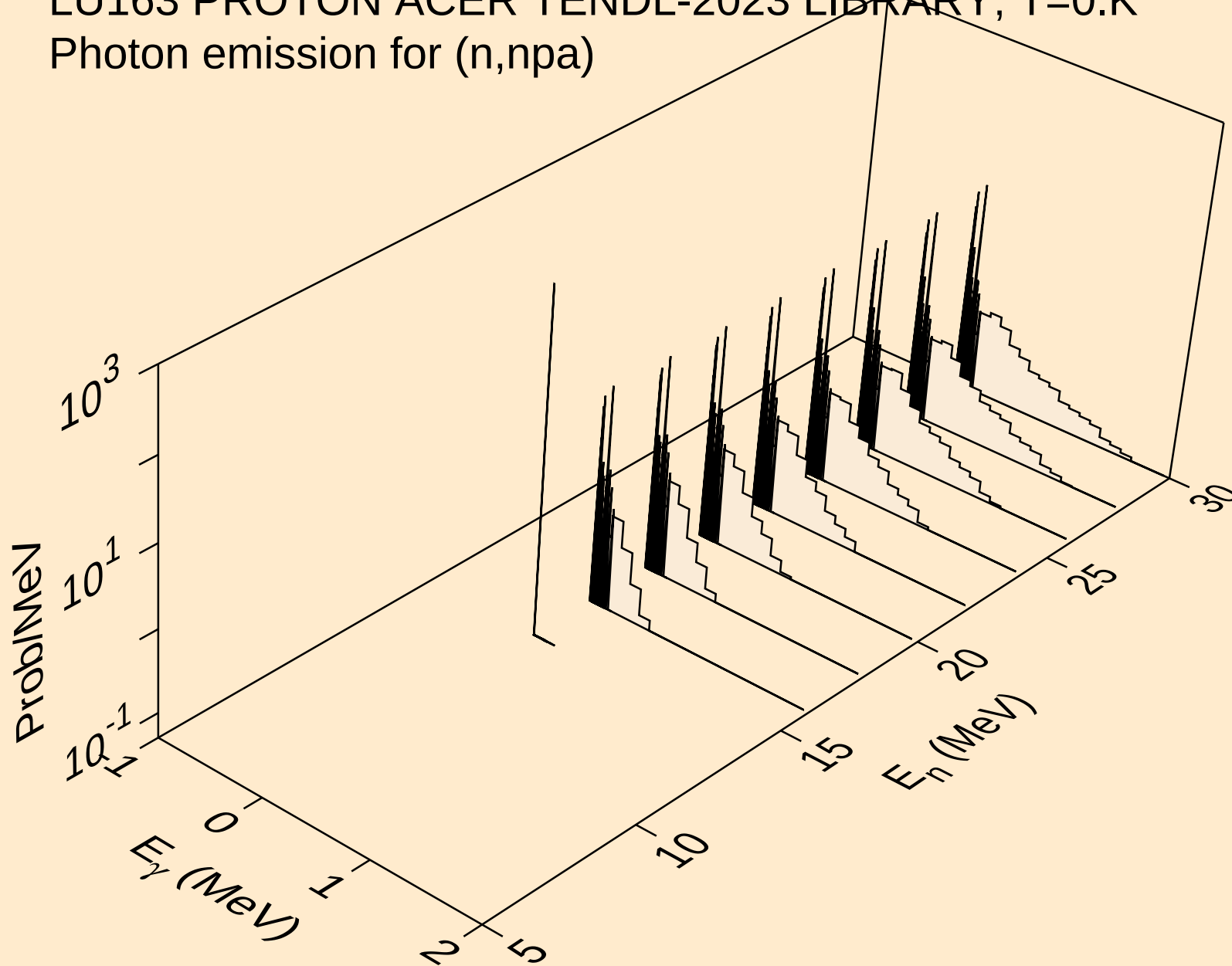
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



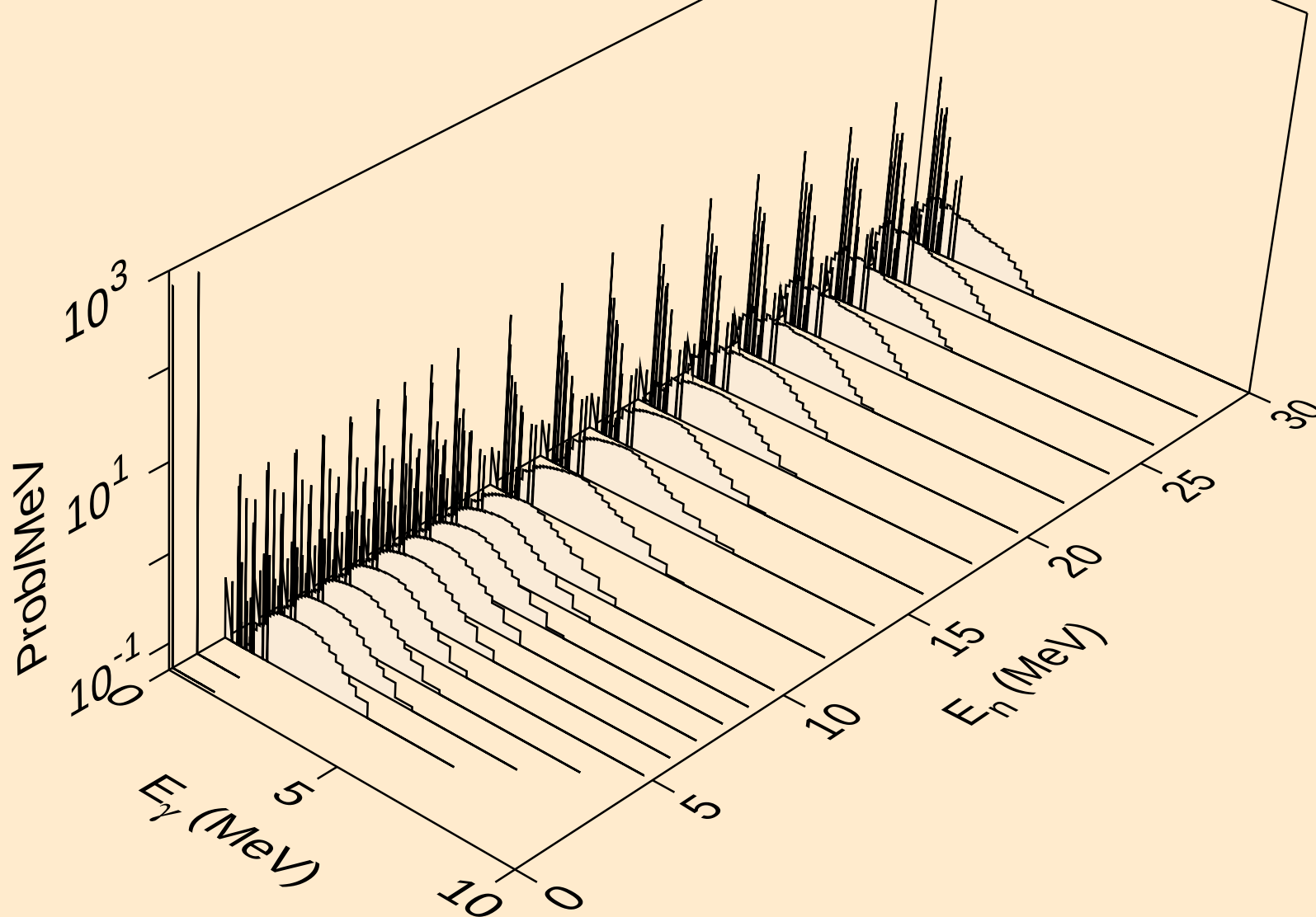
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



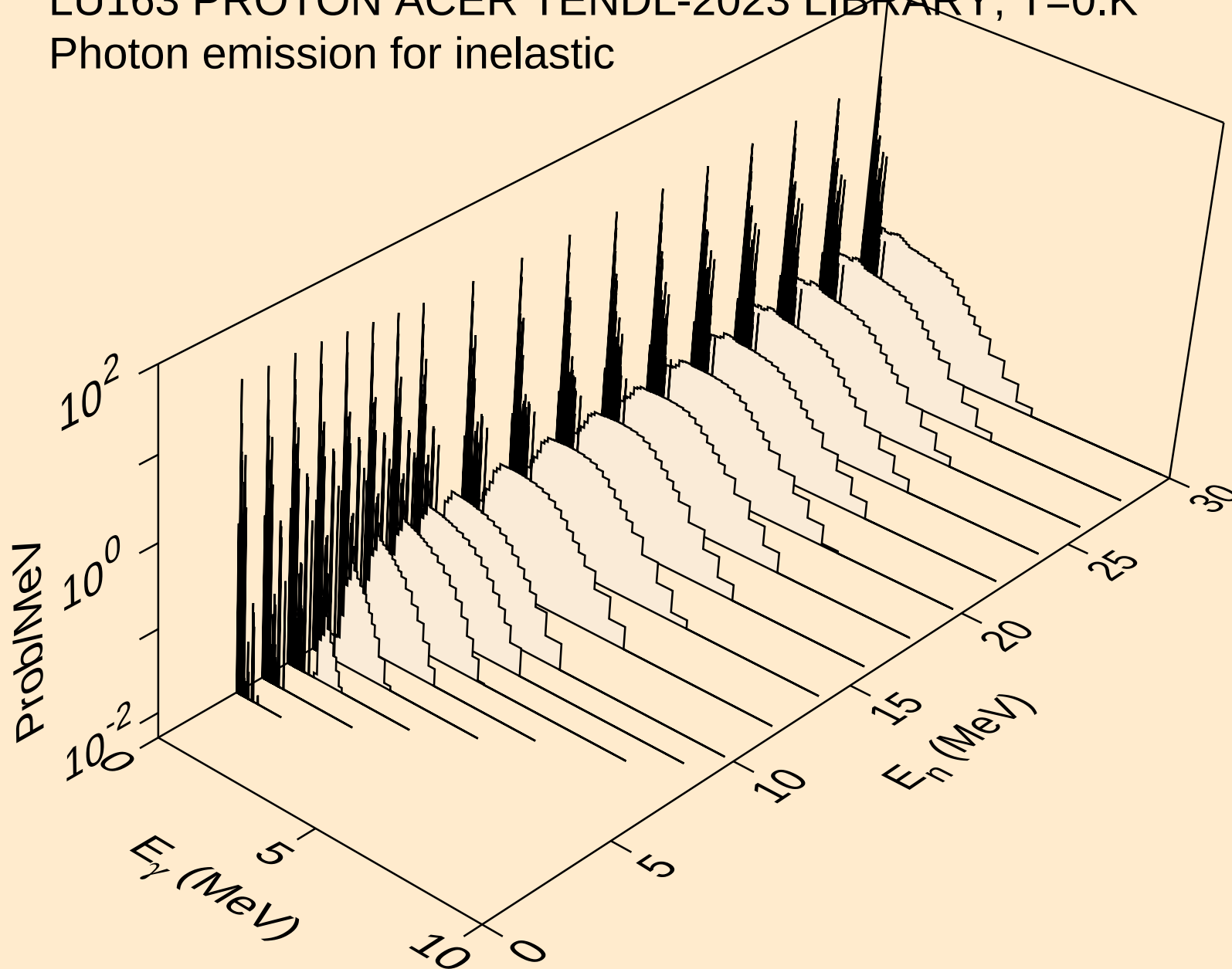
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



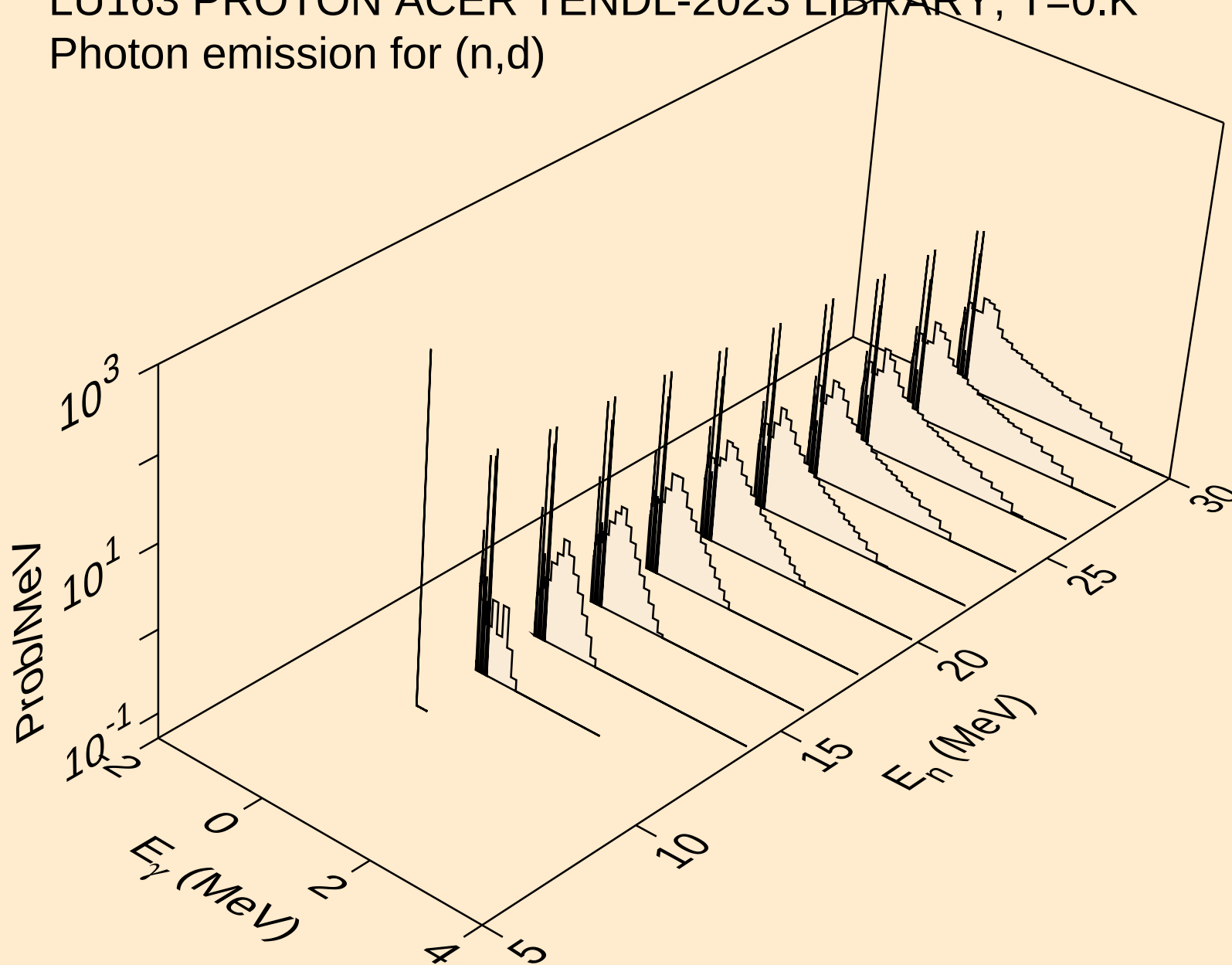
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



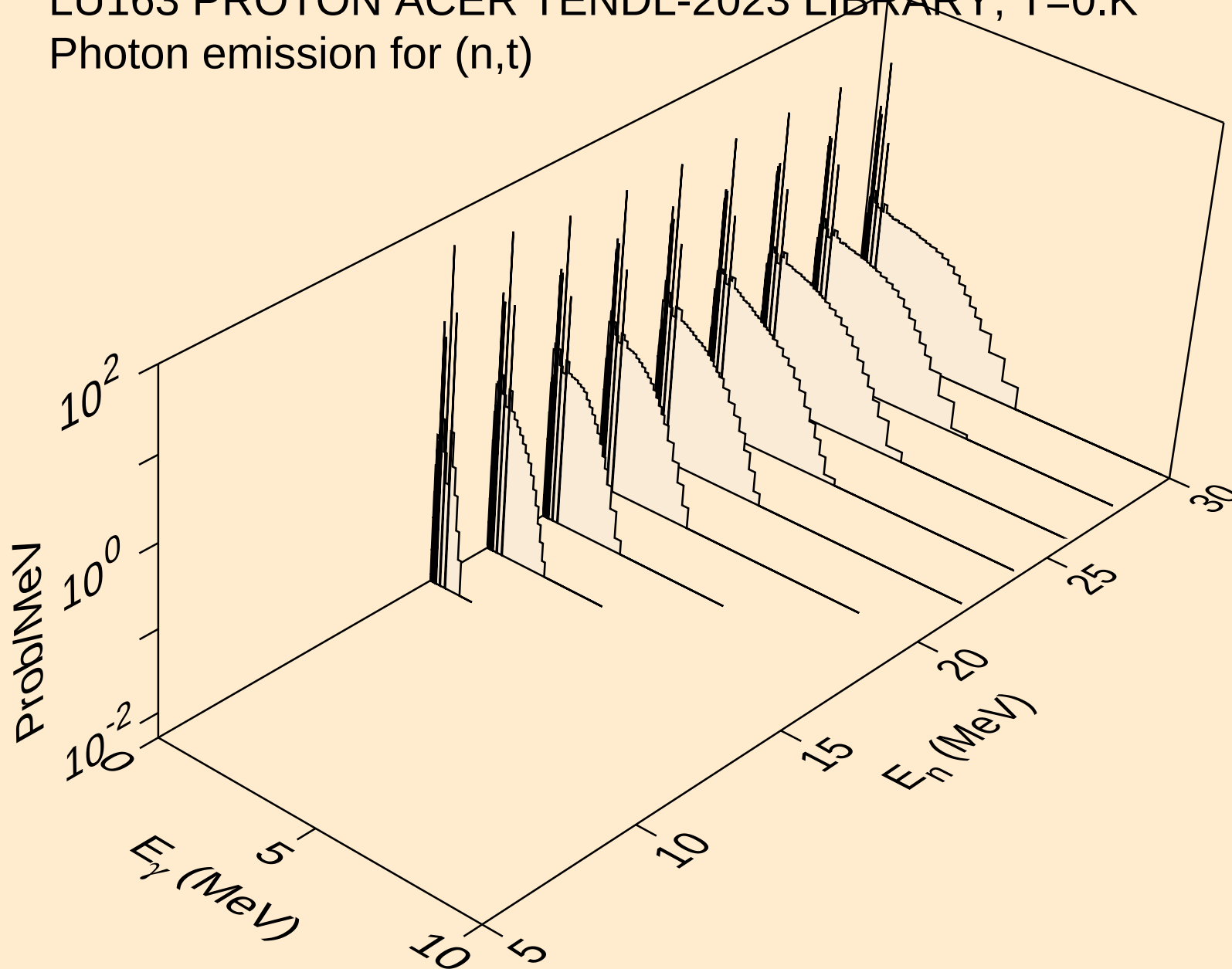
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



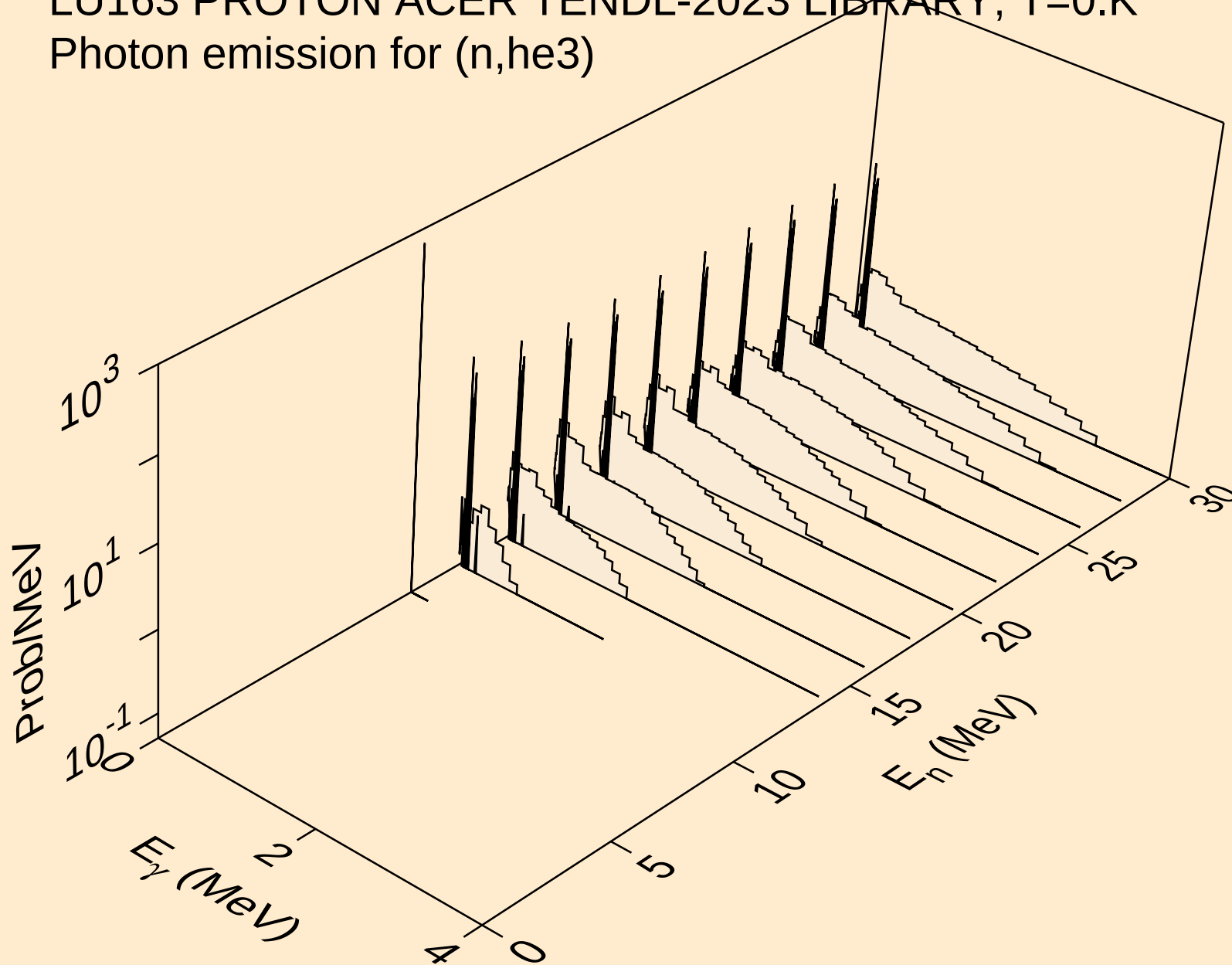
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



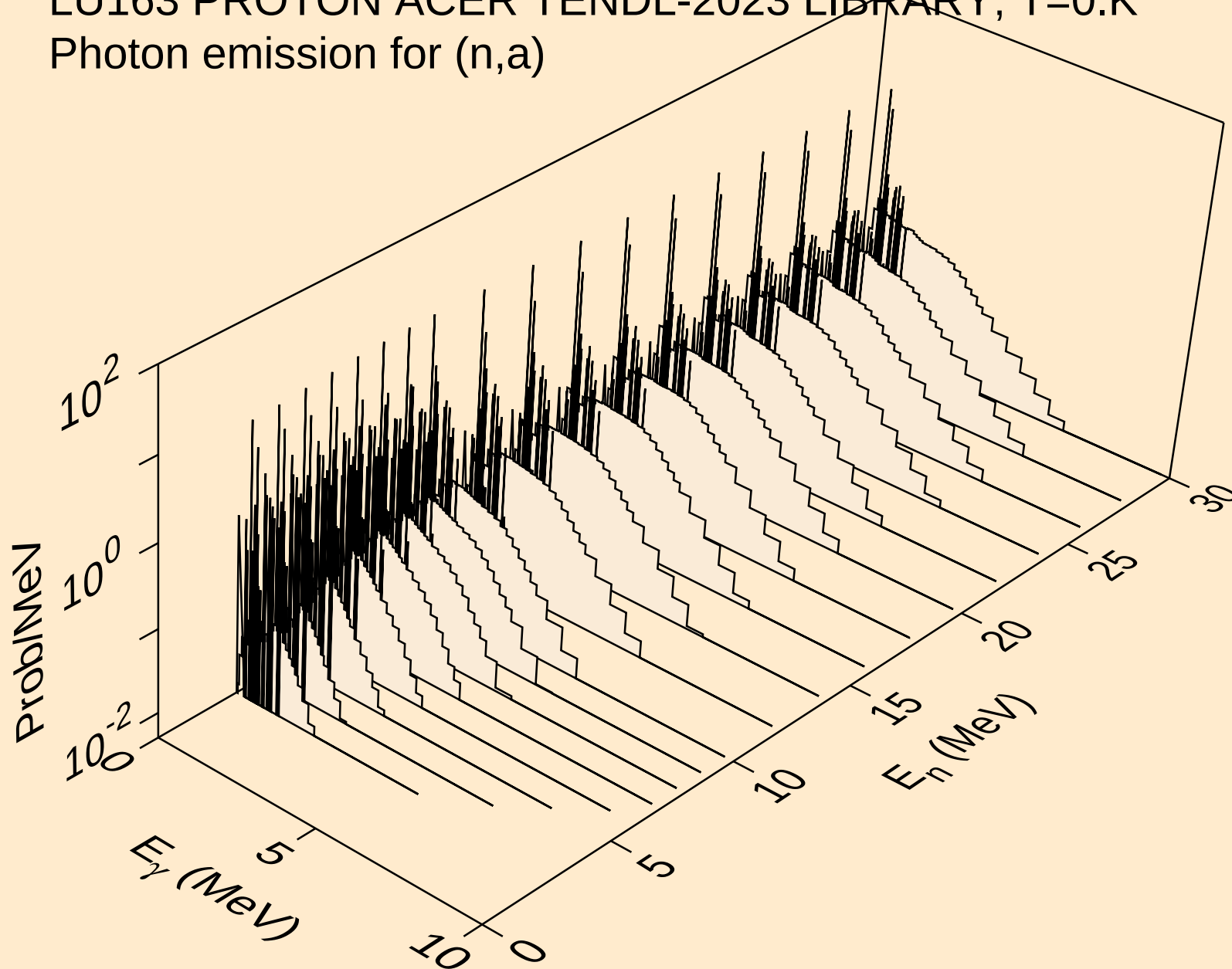
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



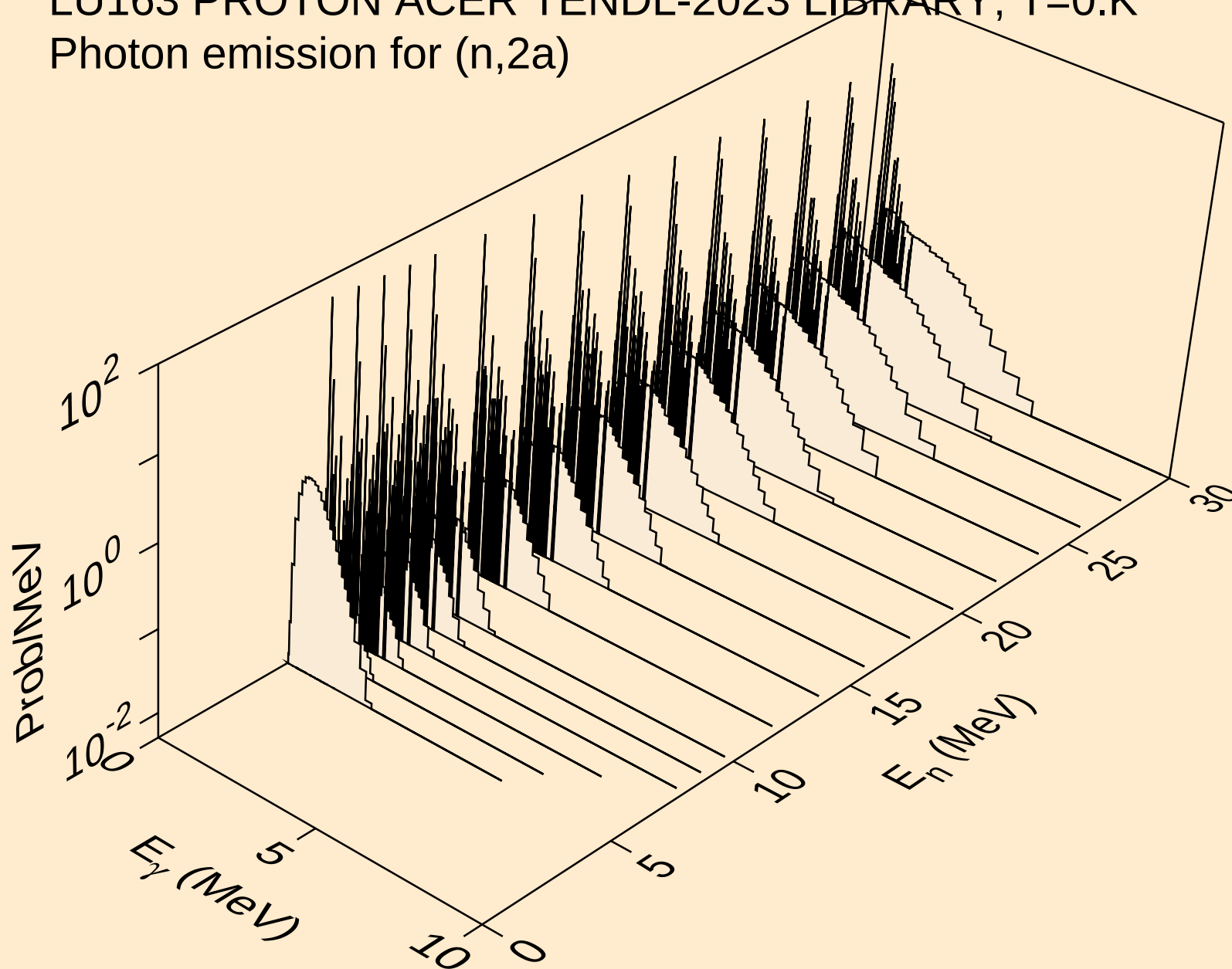
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



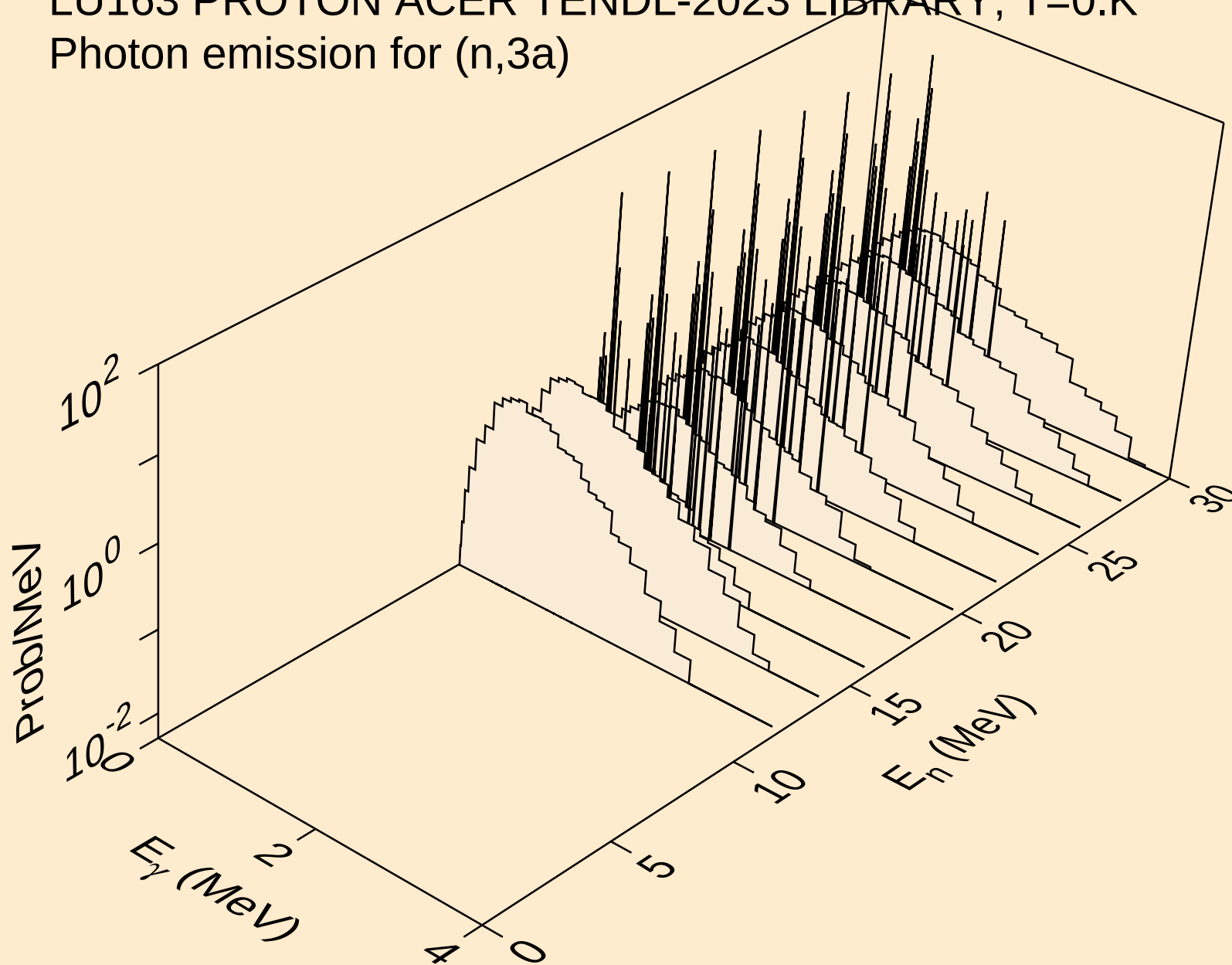
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



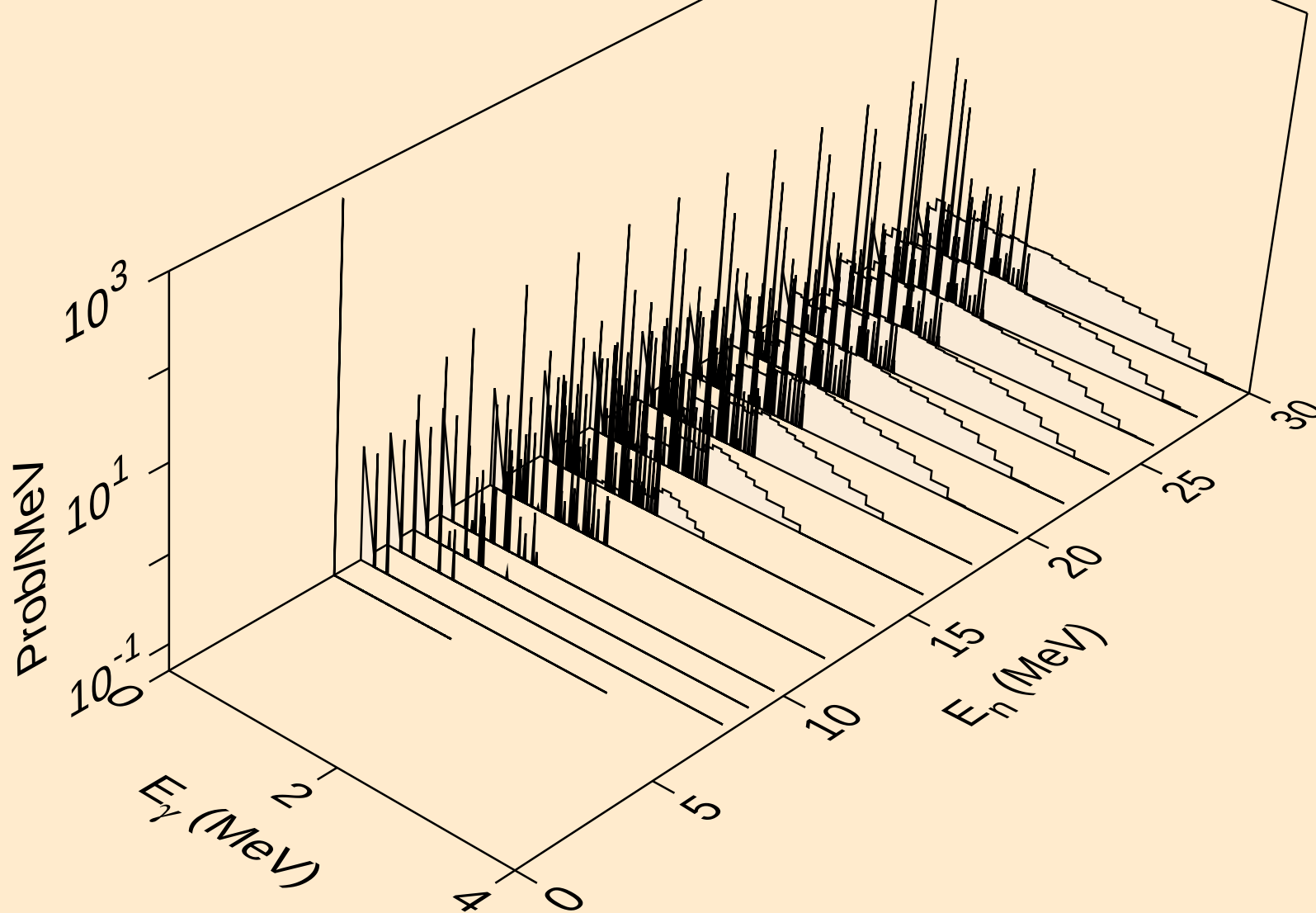
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



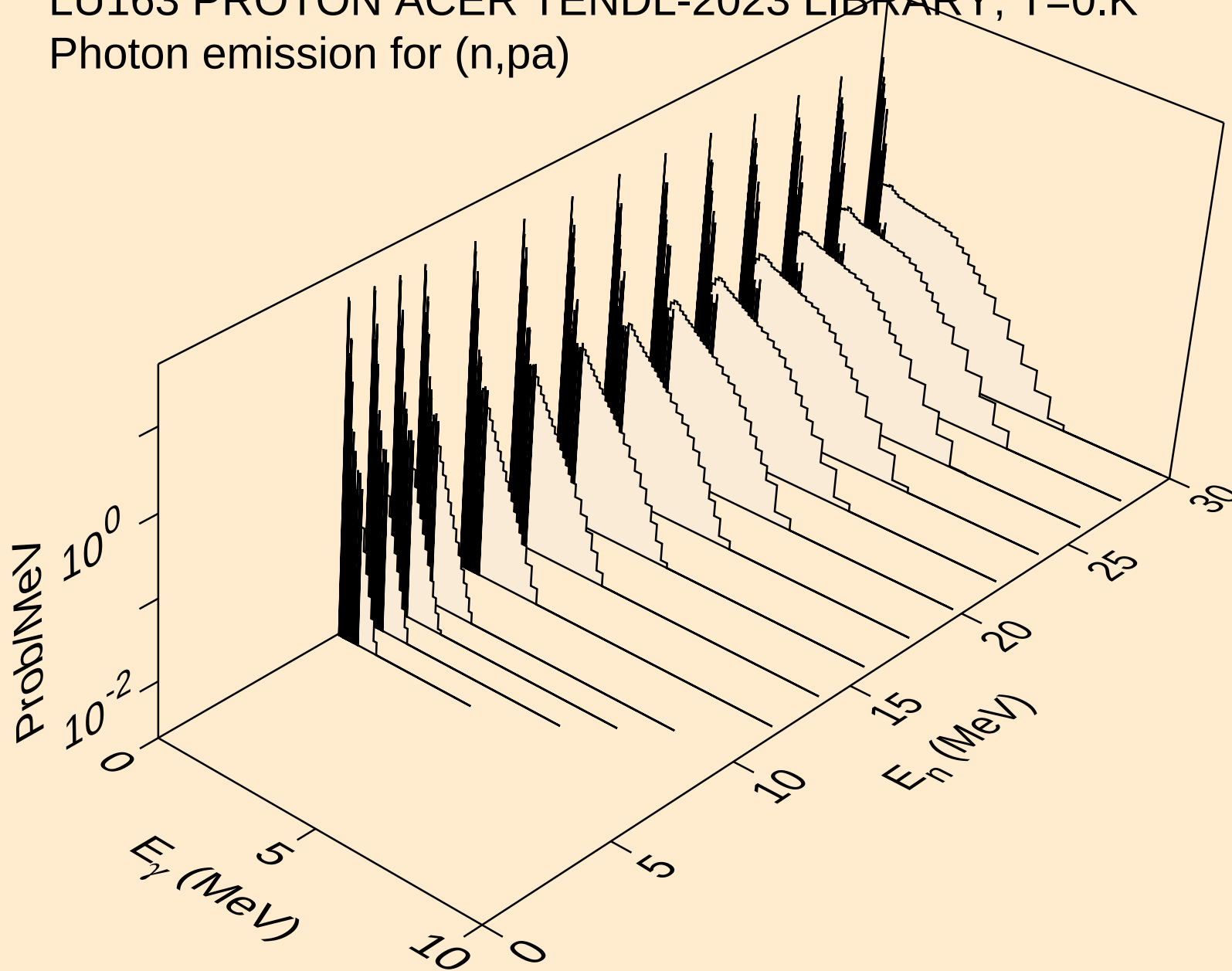
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



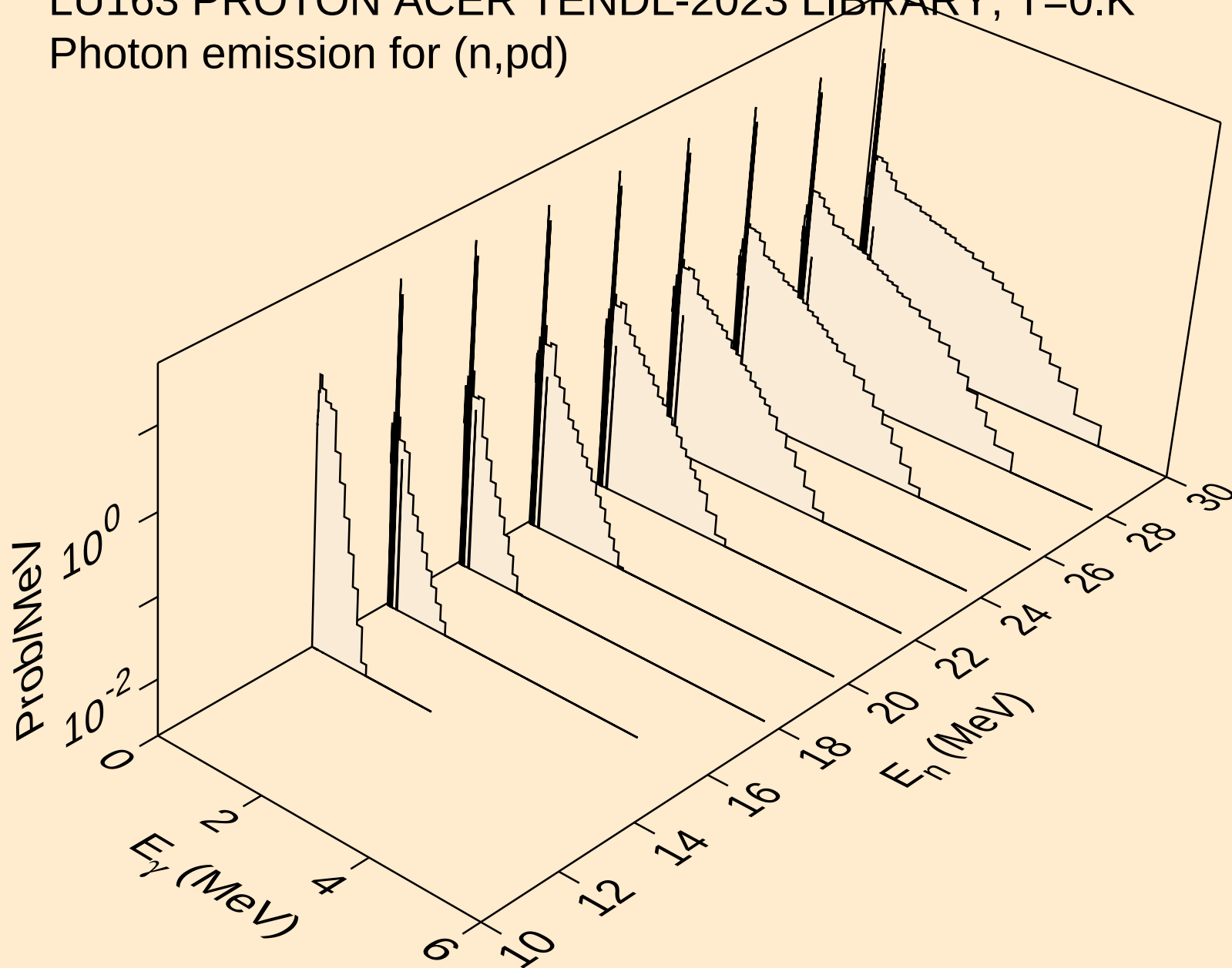
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)

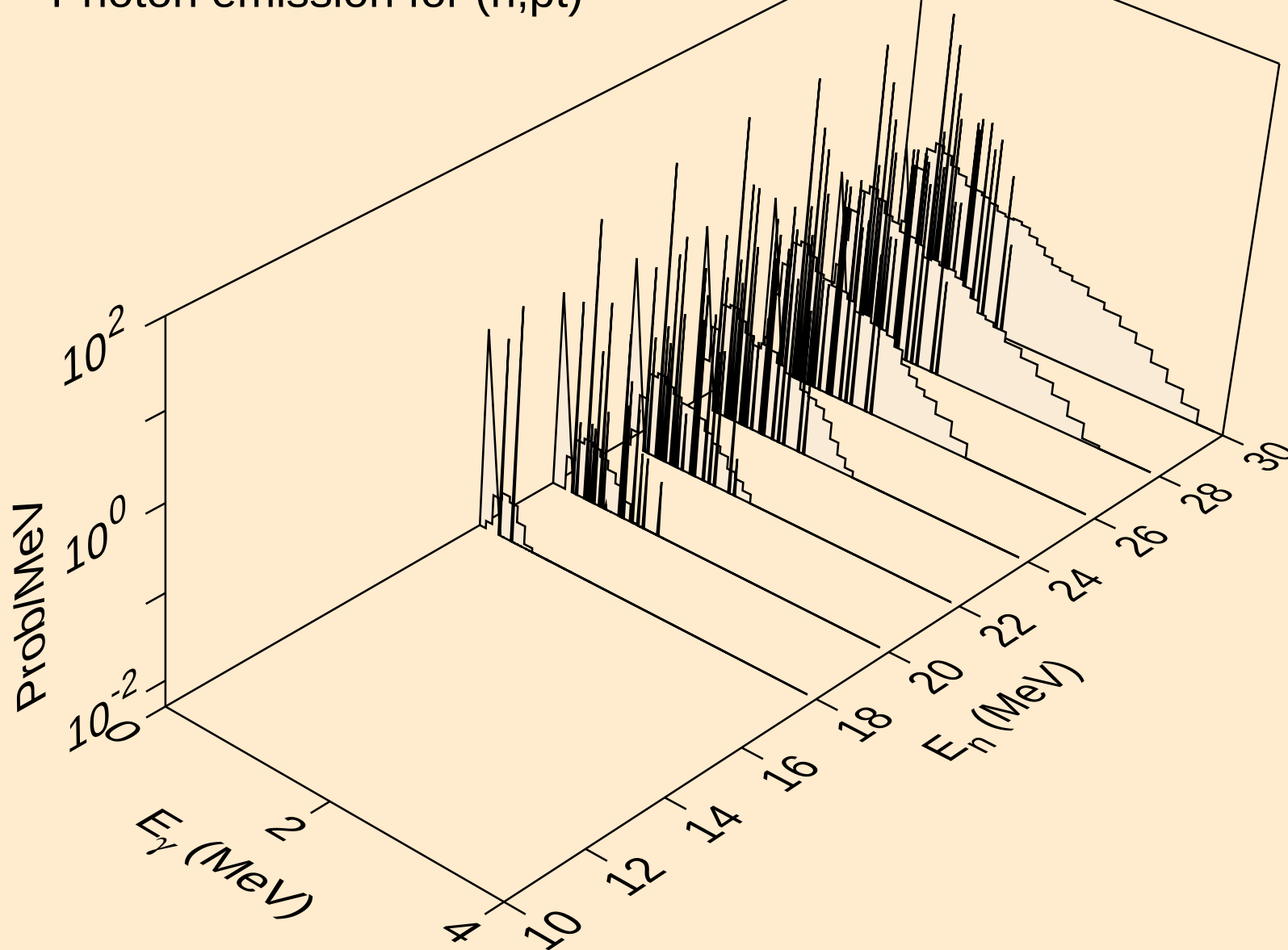


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

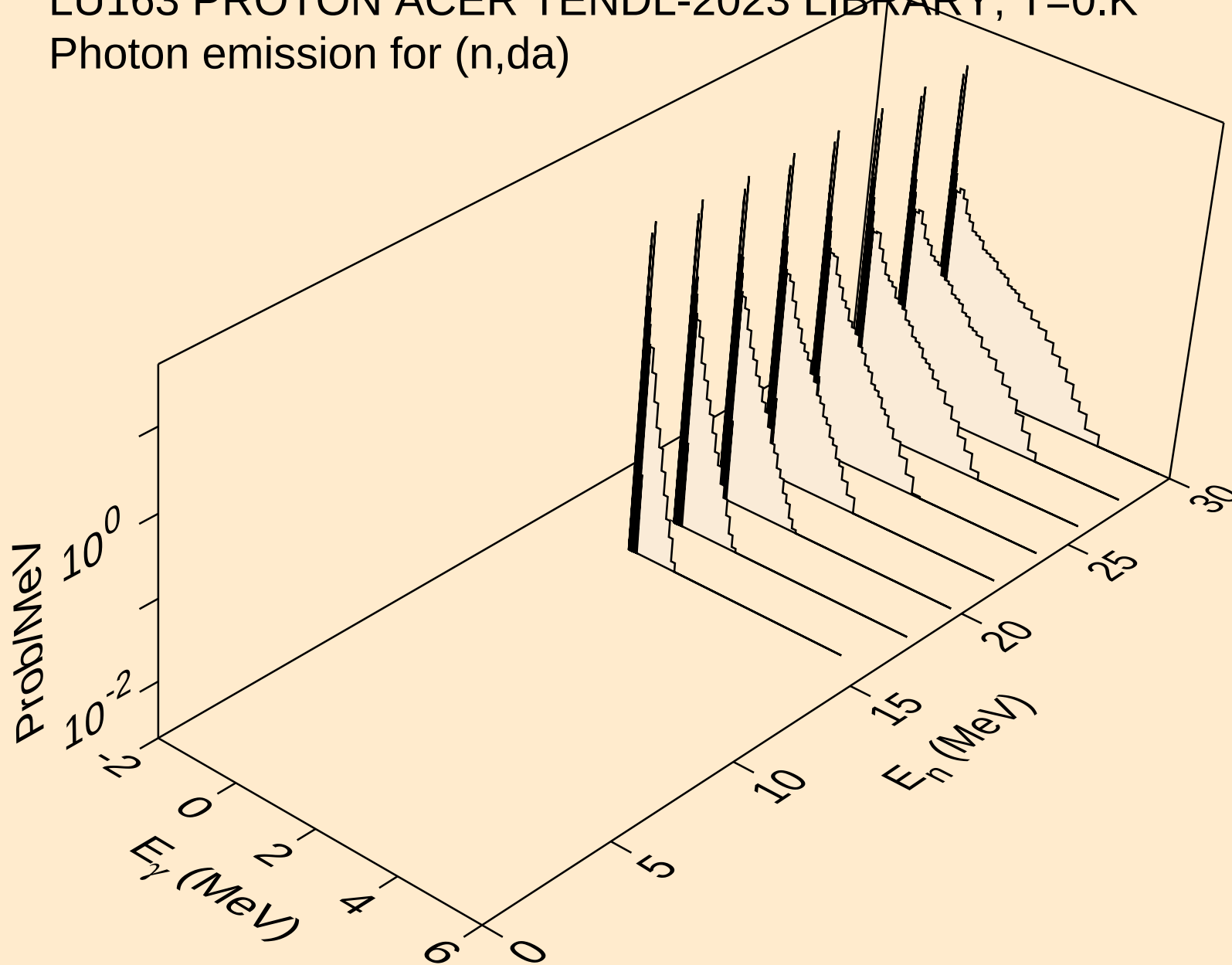


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

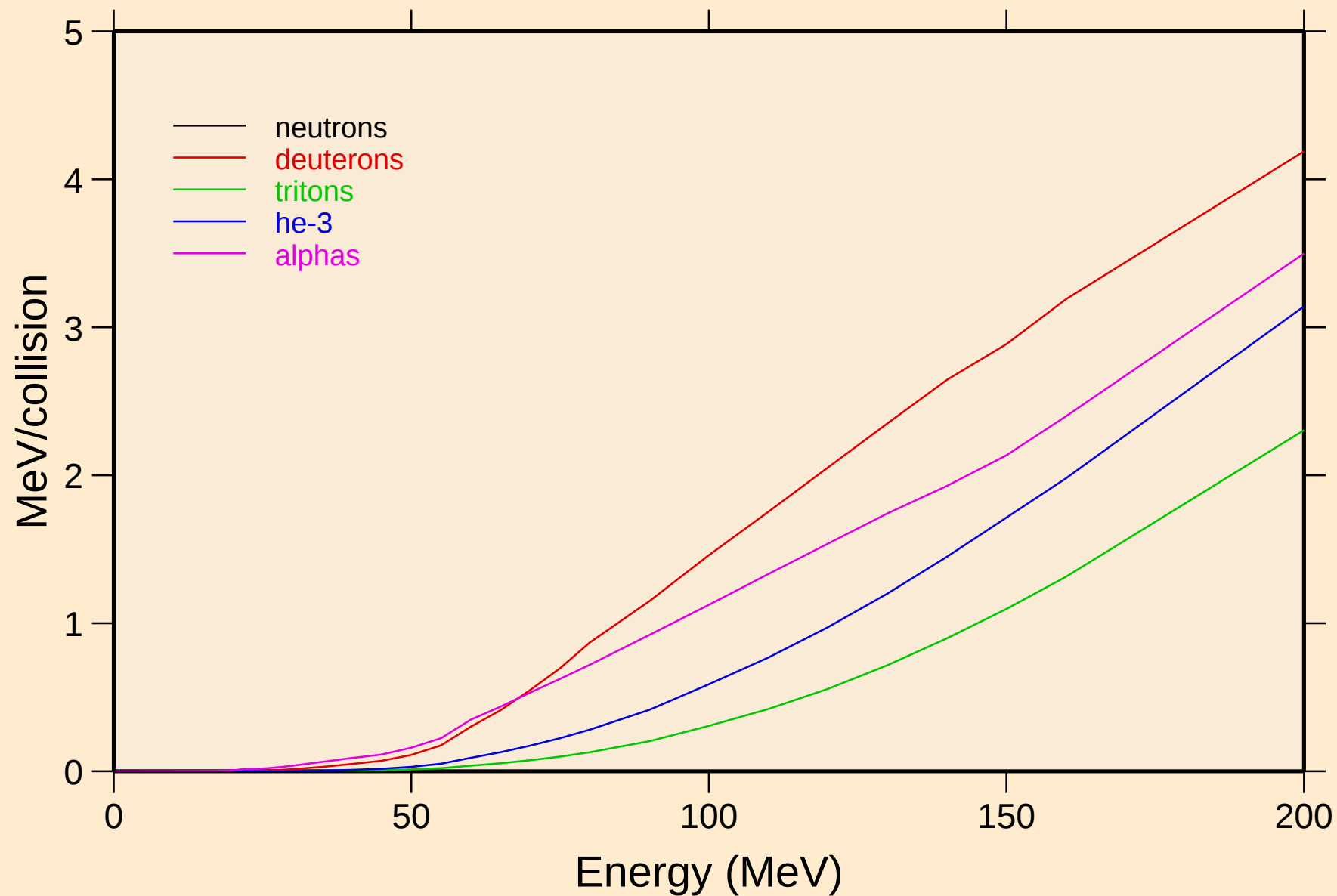


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



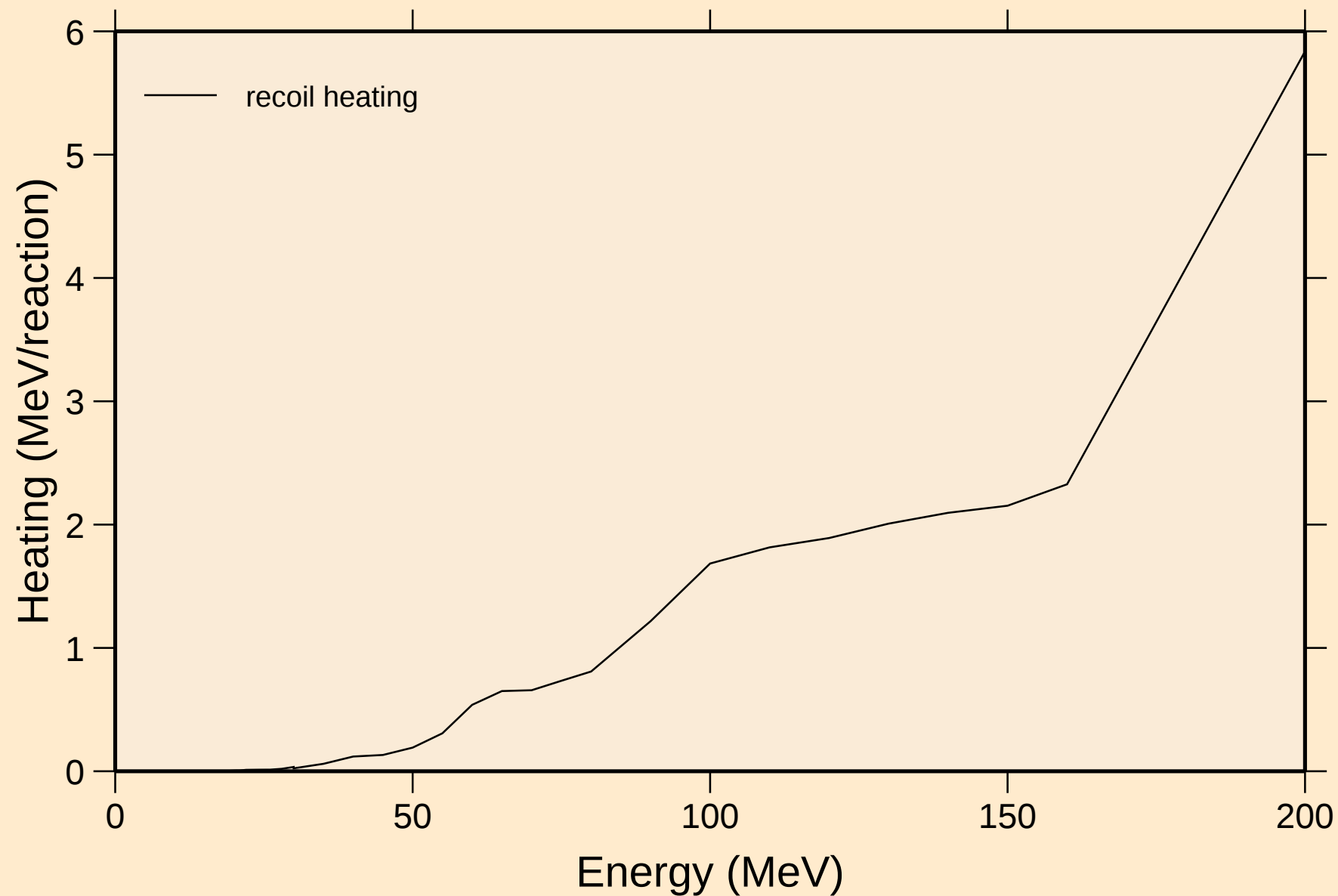
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



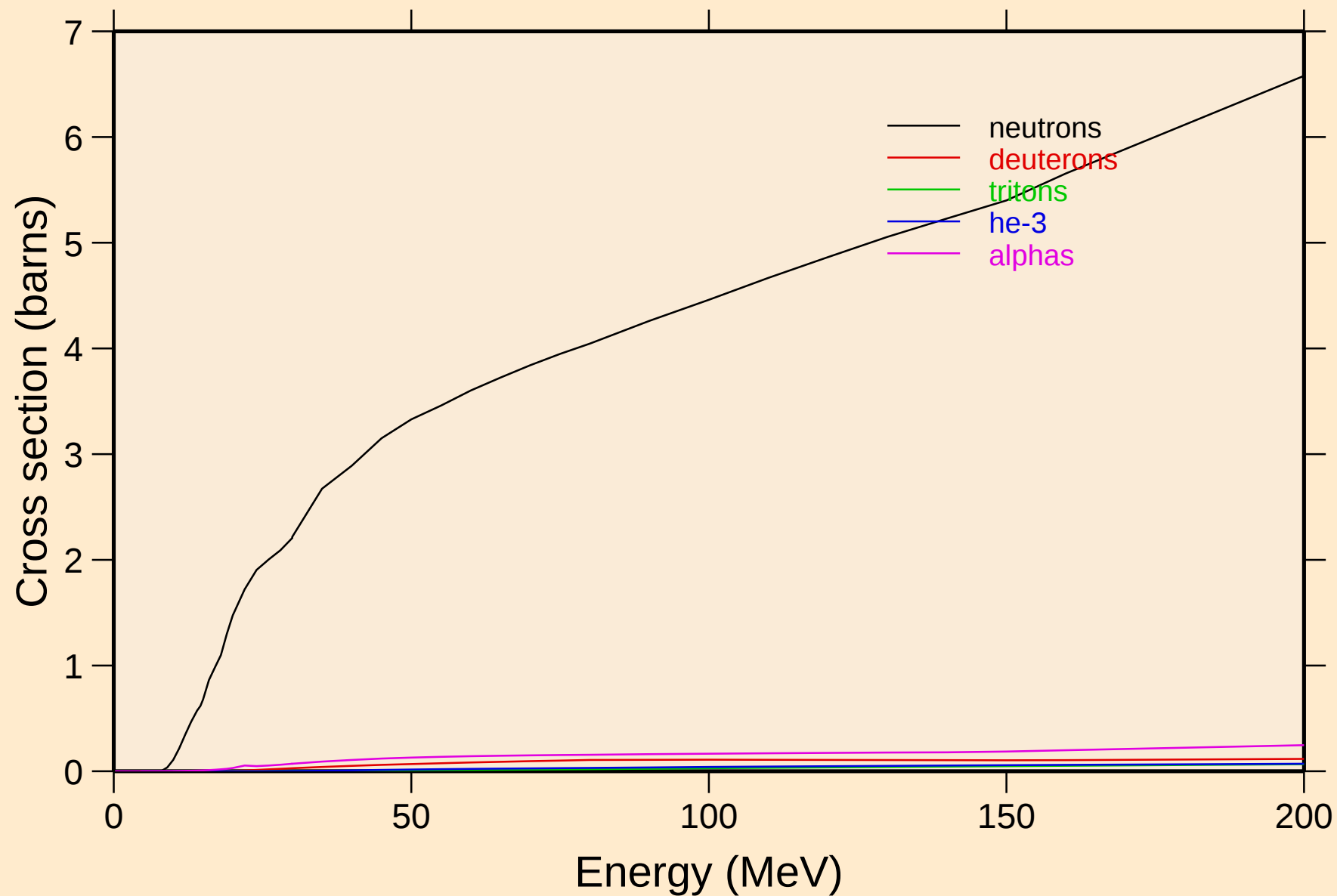
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

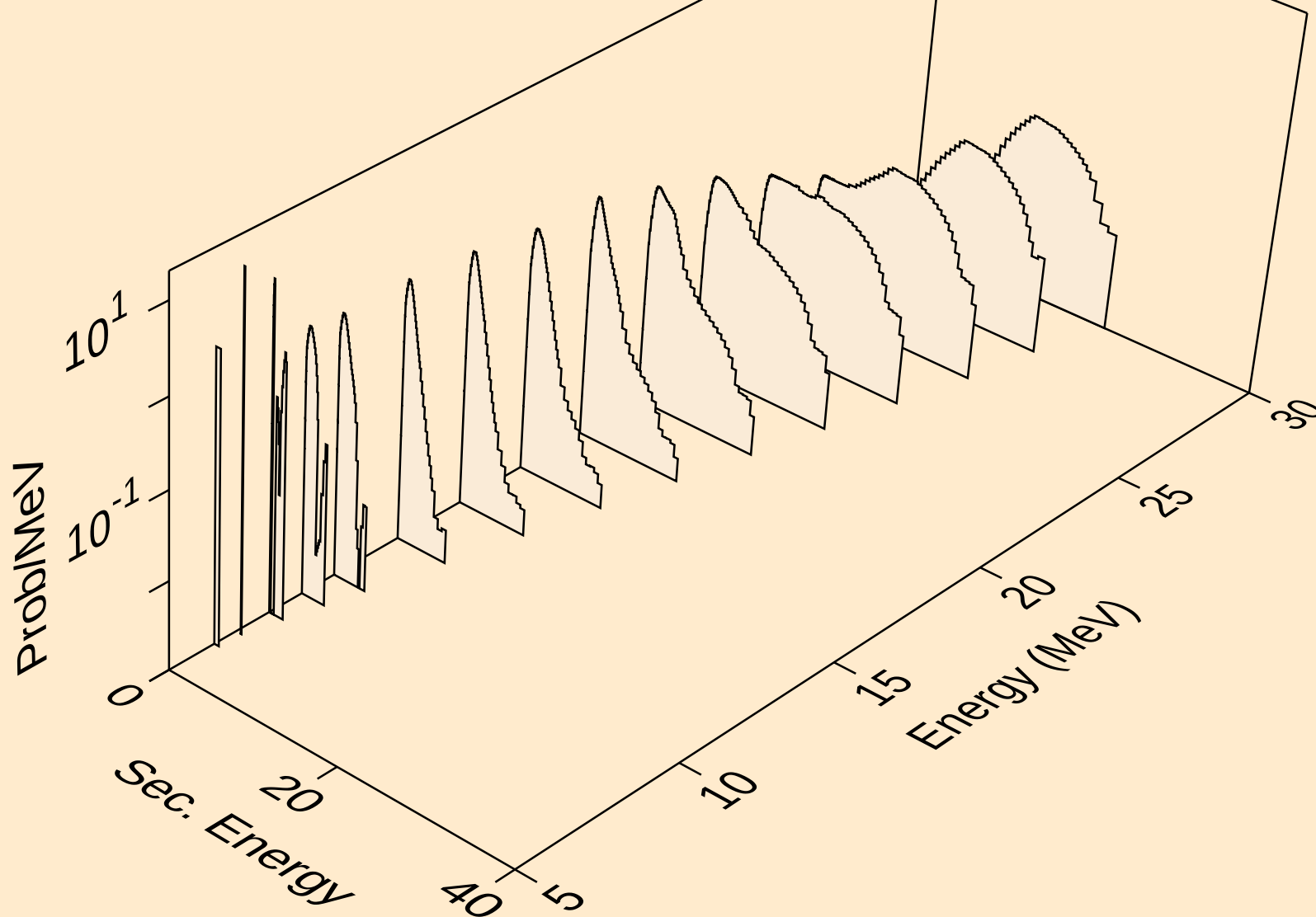


LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

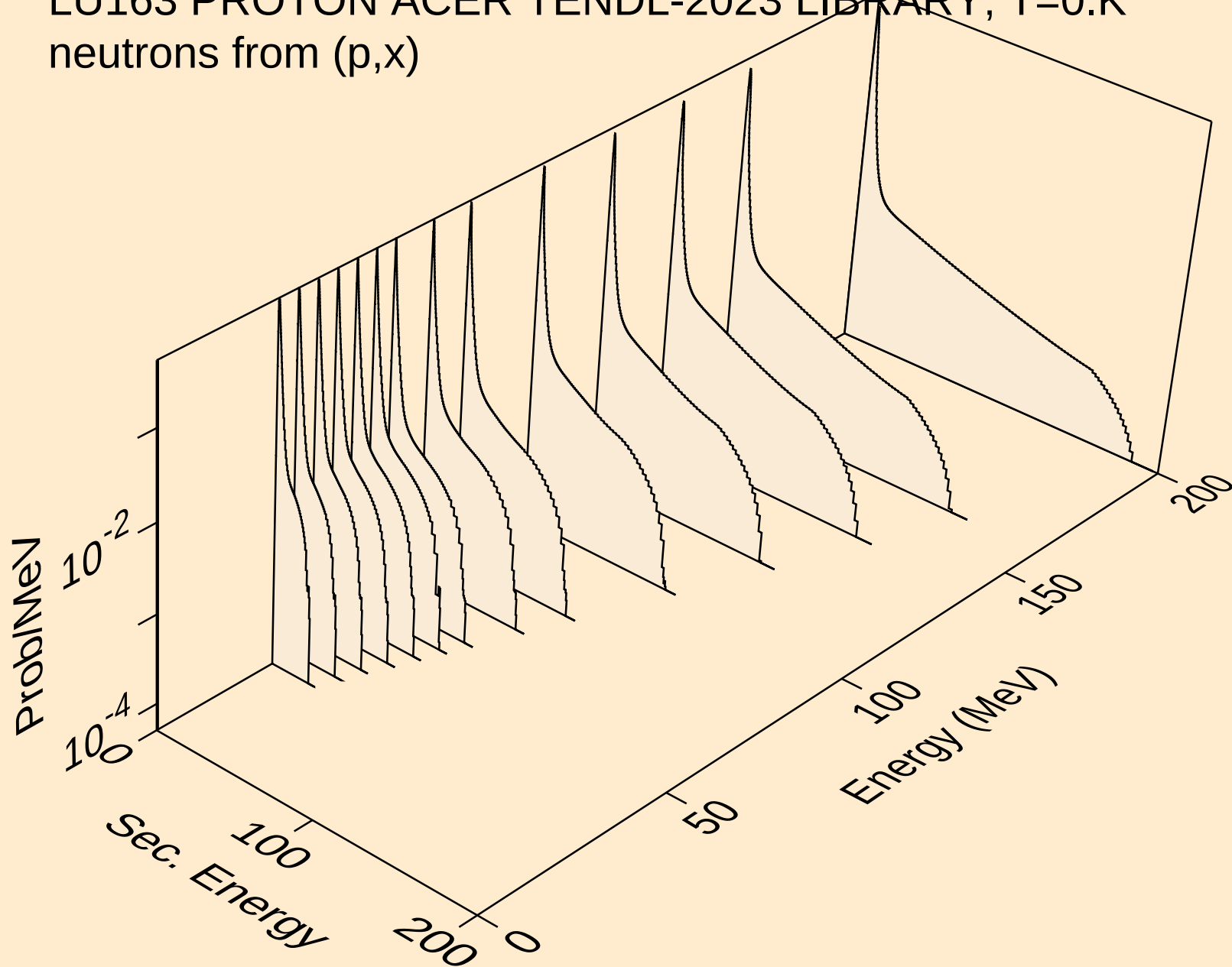
Particle production cross sections



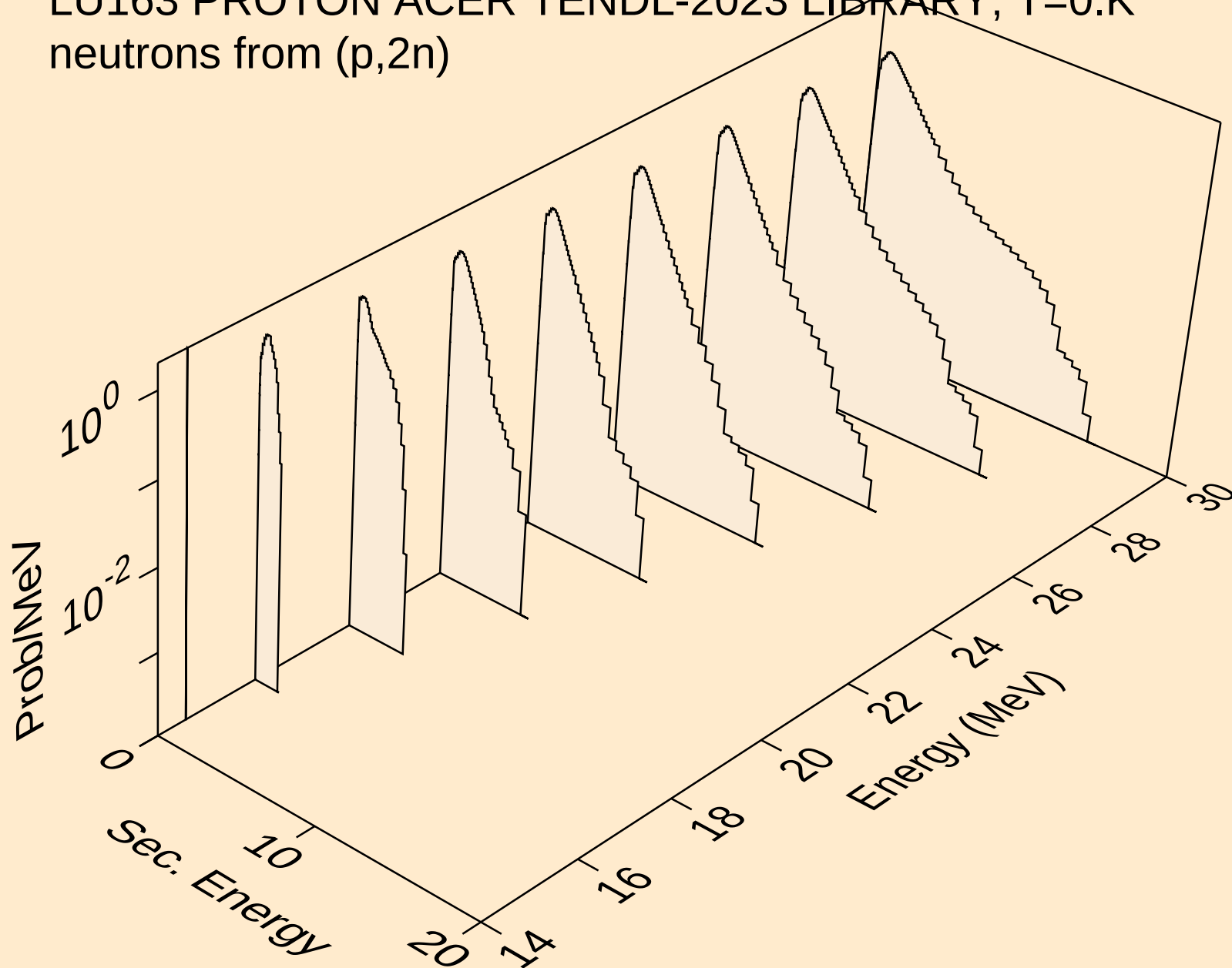
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



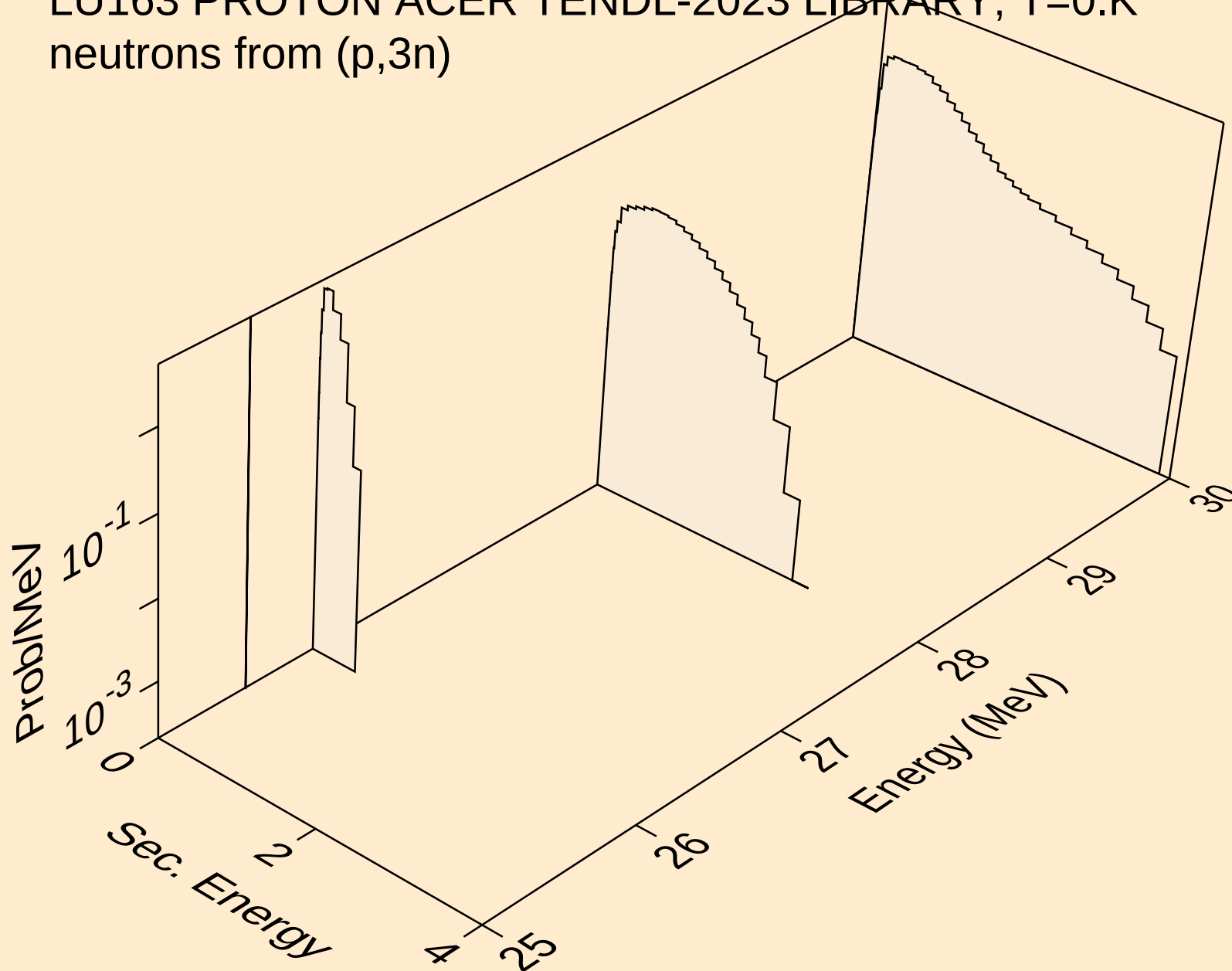
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



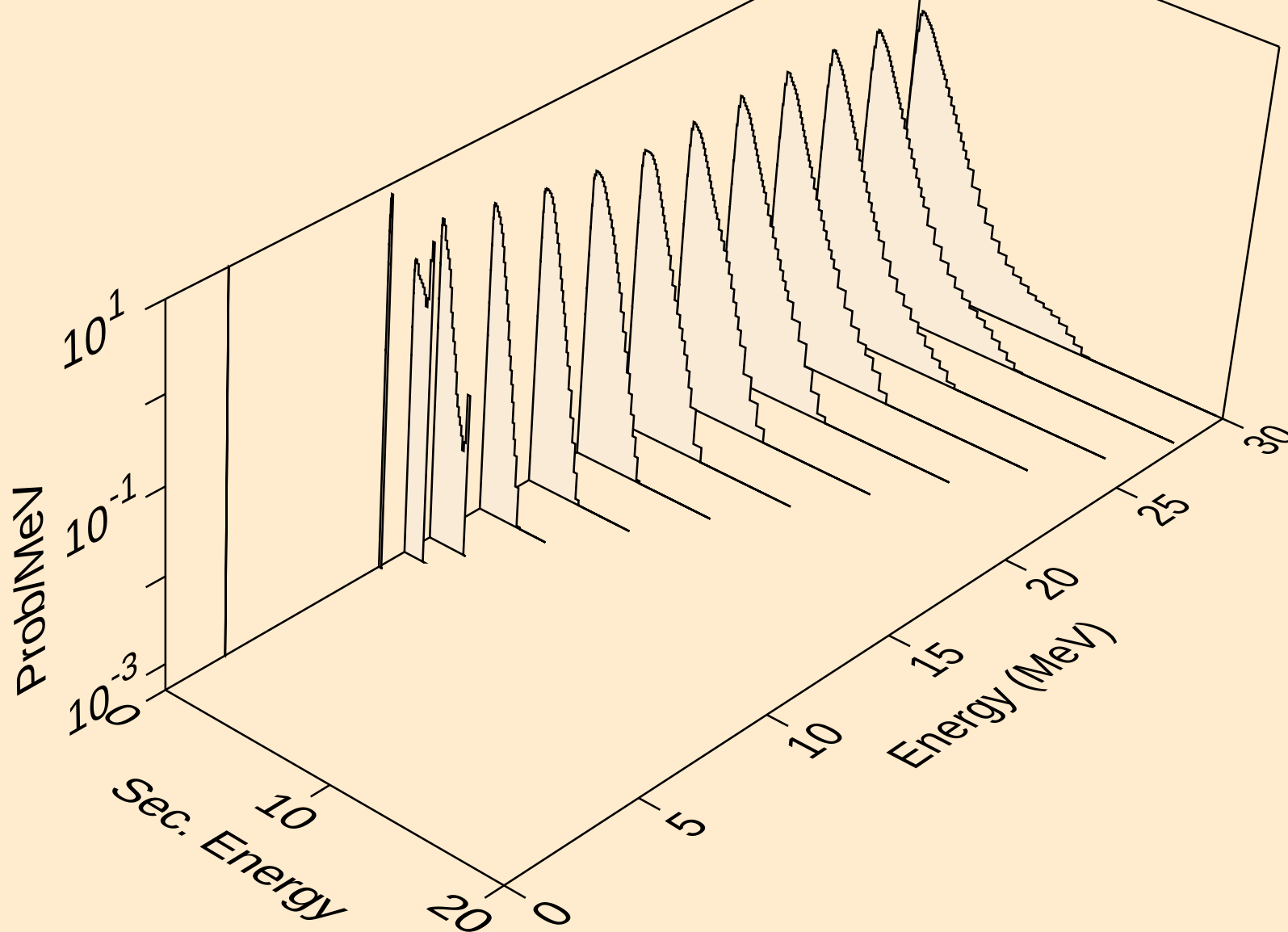
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neutrons from (p,2n)



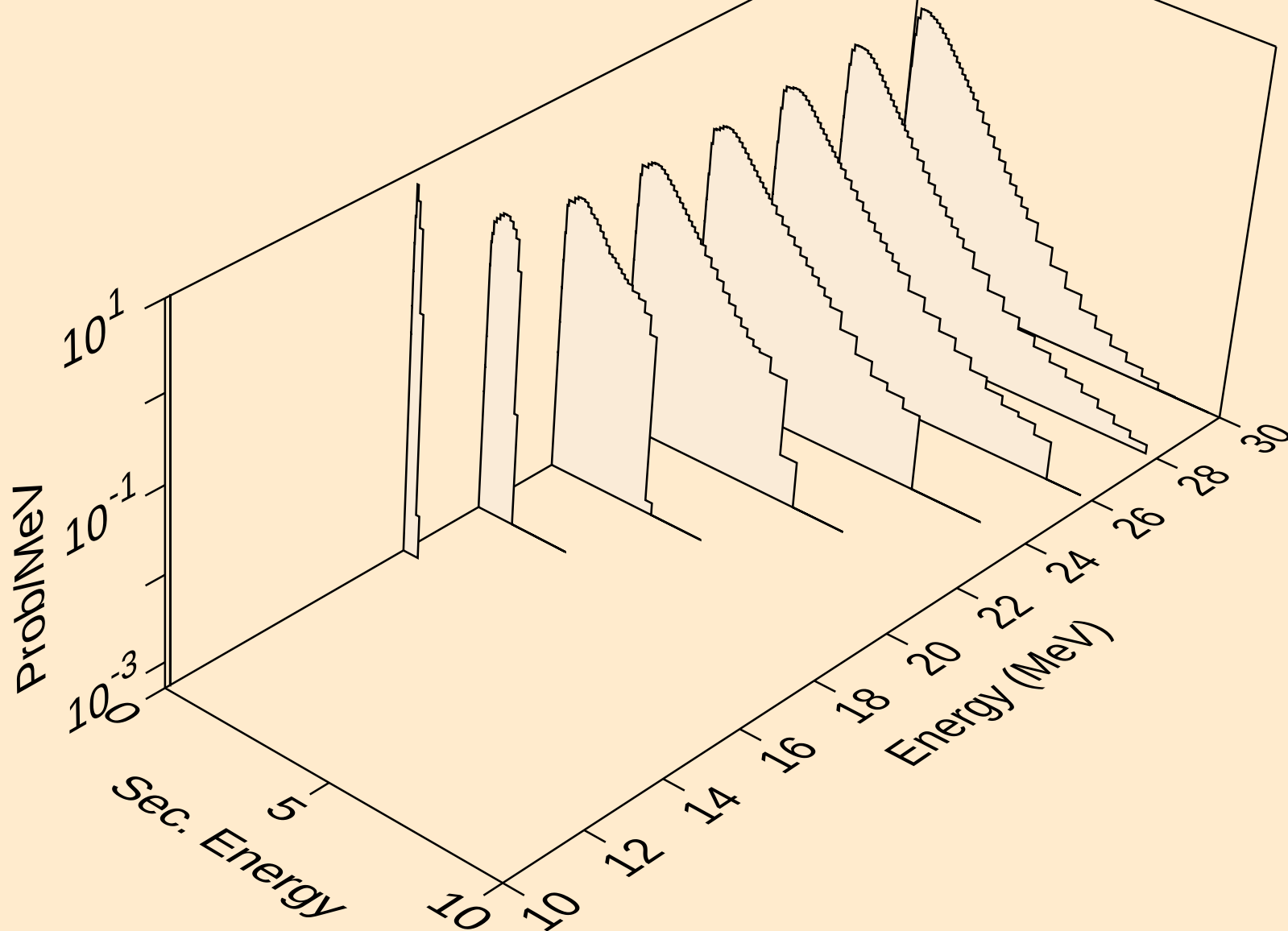
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)



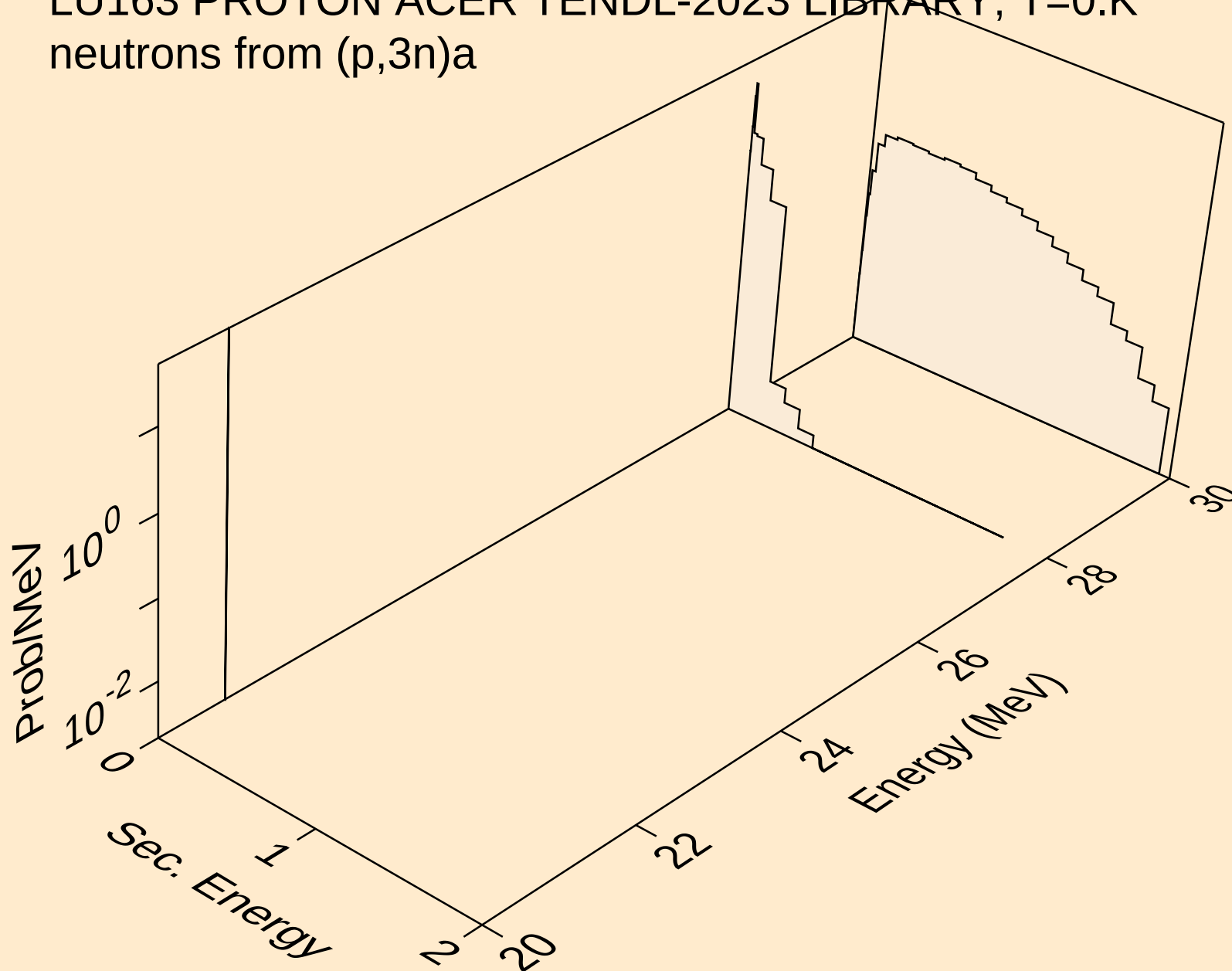
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



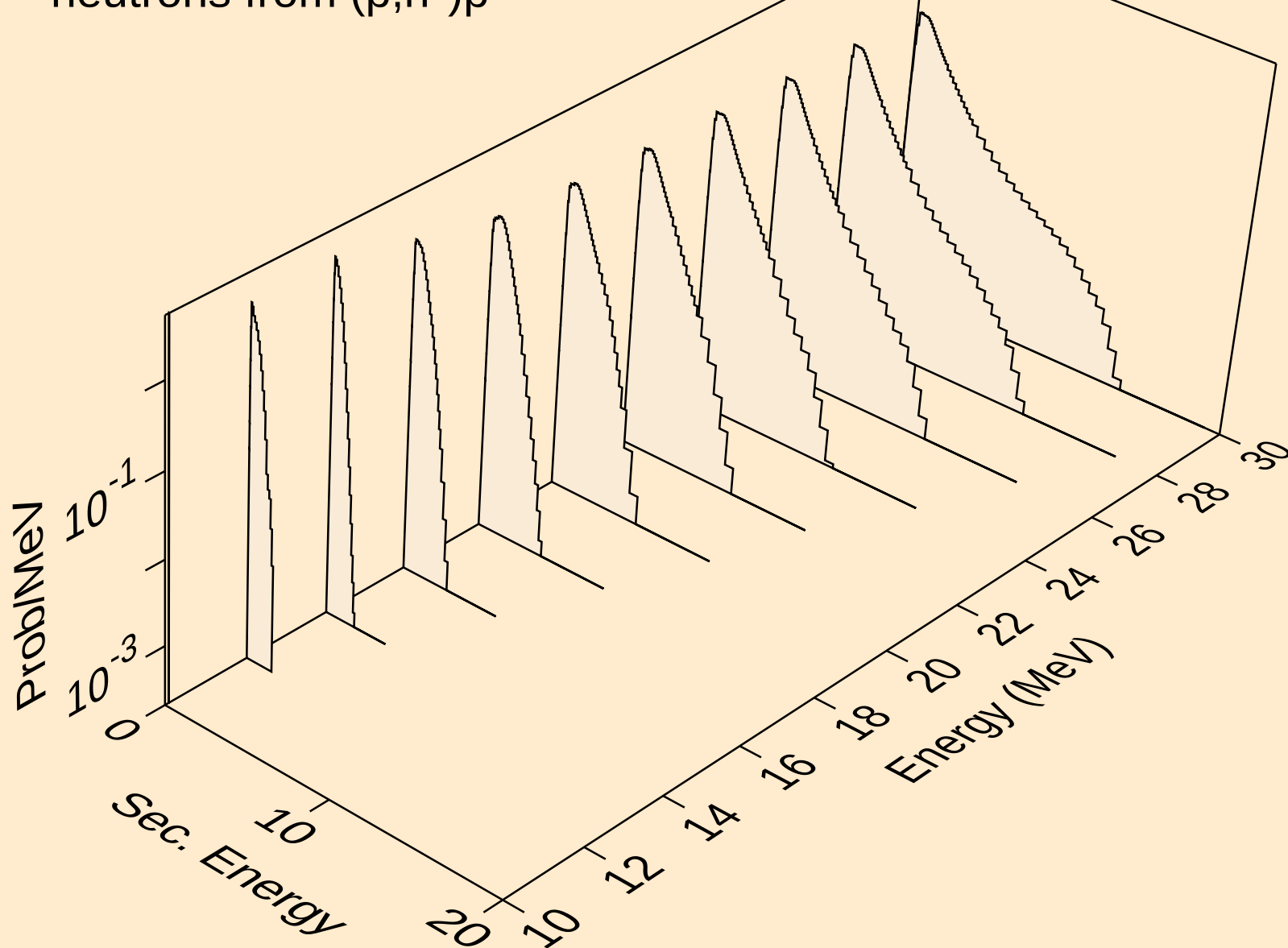
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



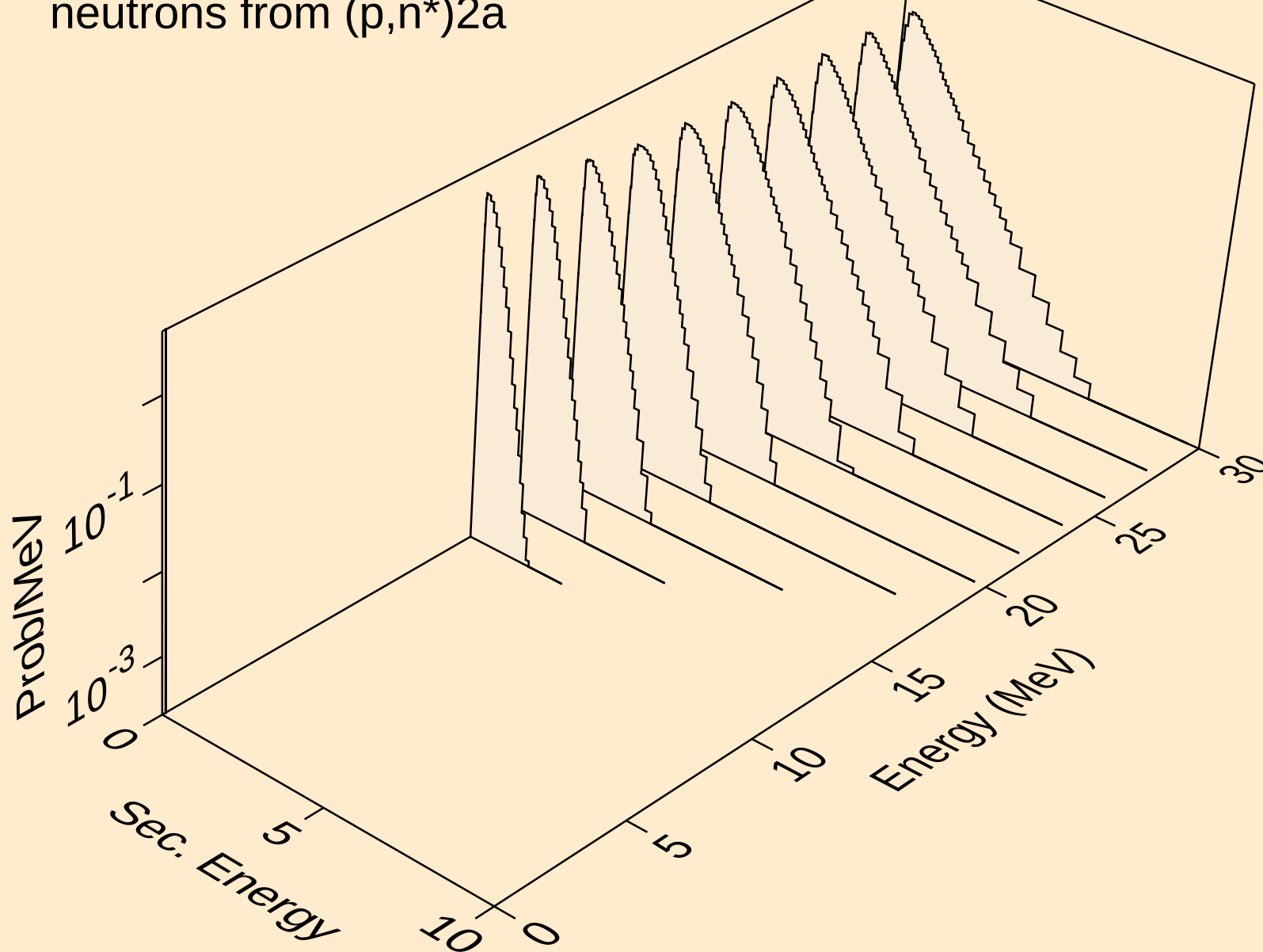
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)a



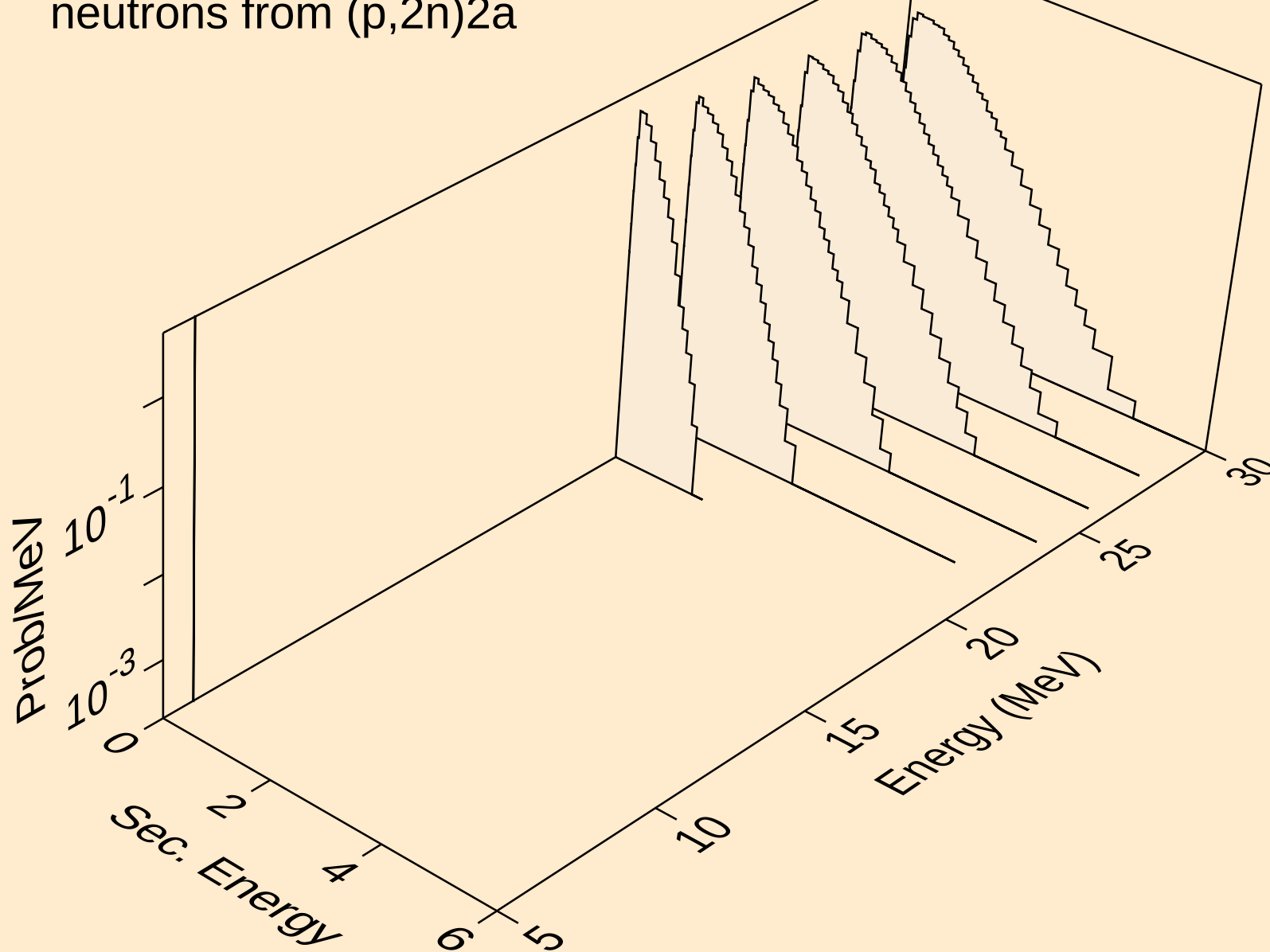
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neutrons from (p,n*)p



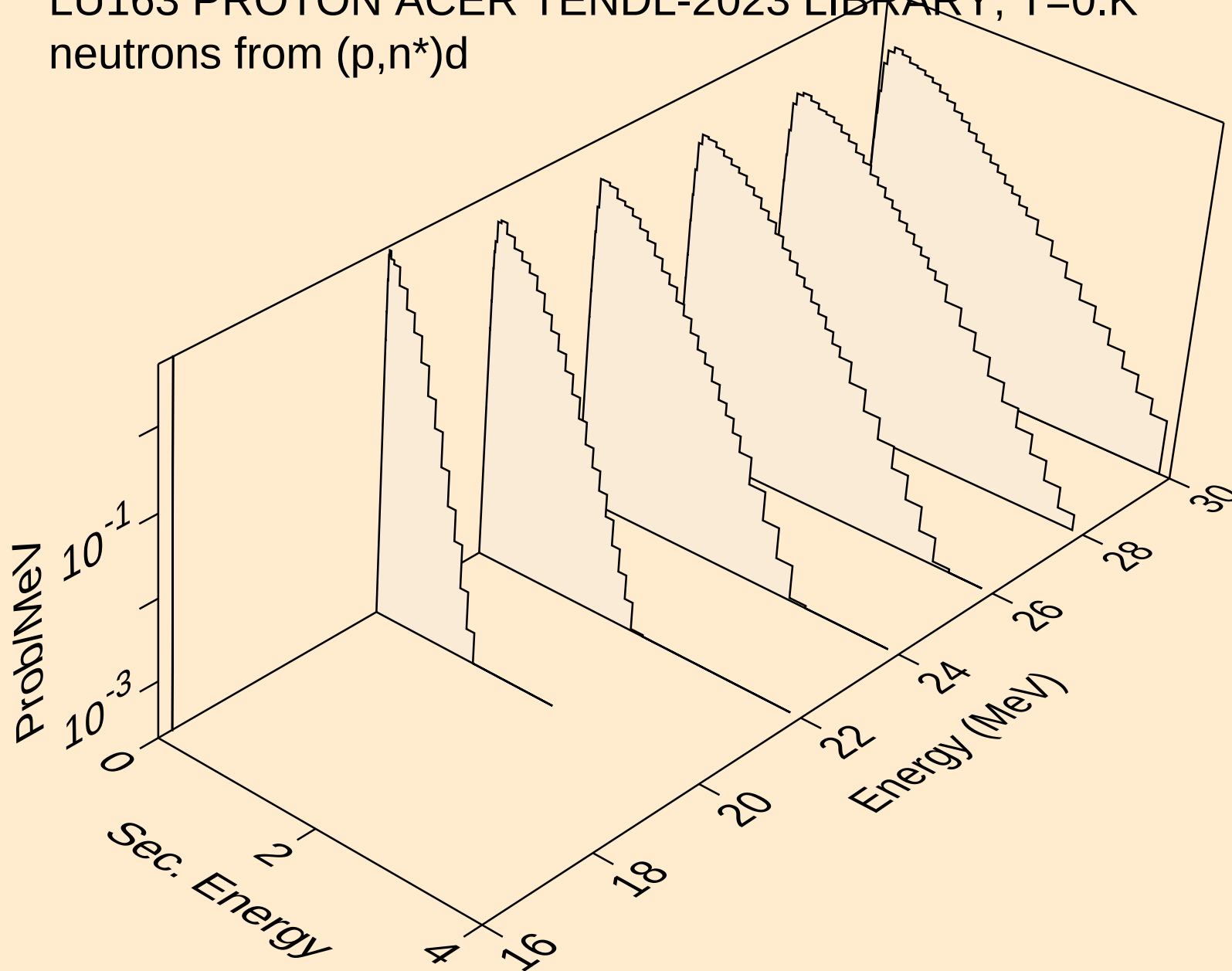
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neutrons from (p,n*)2a



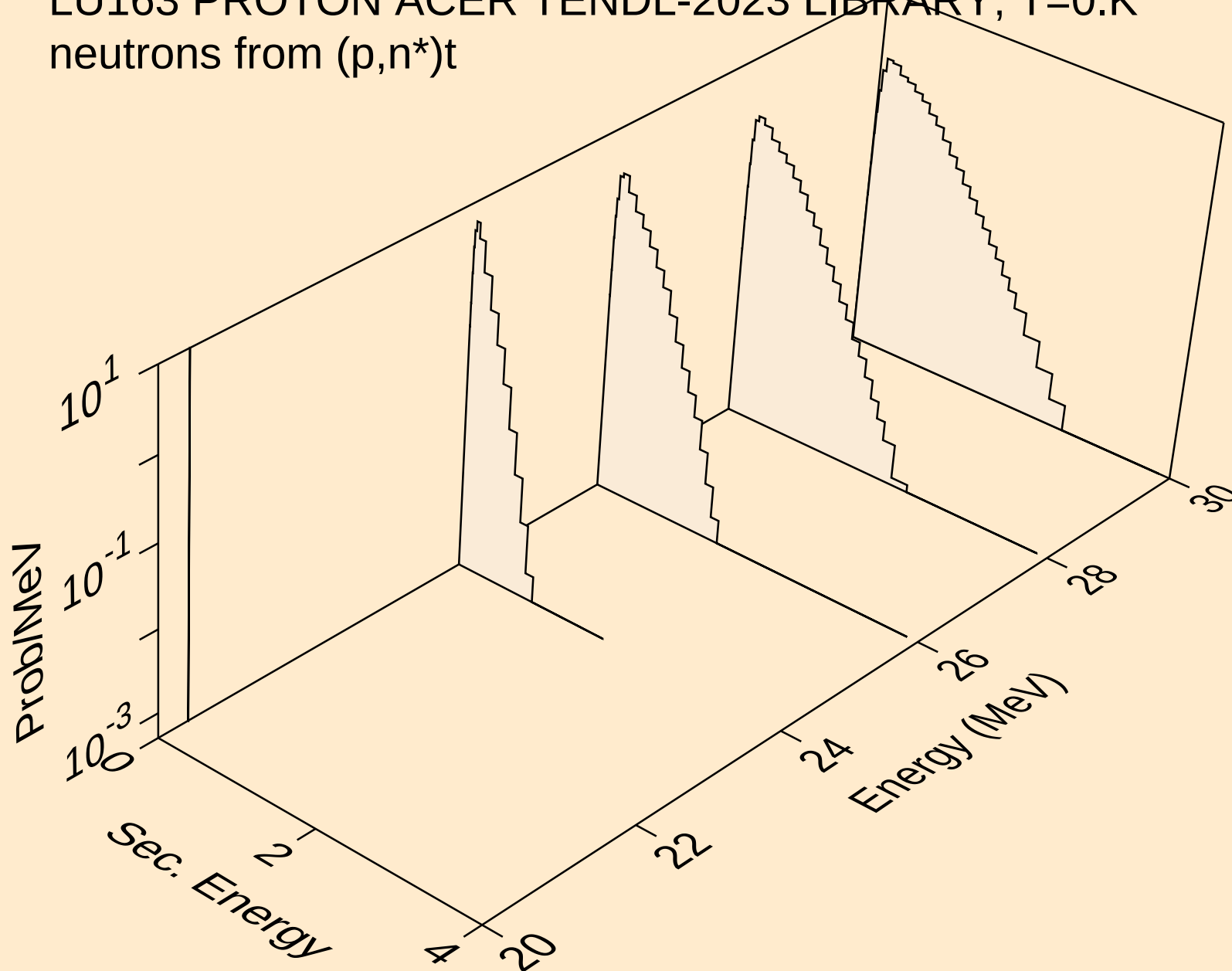
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)2a



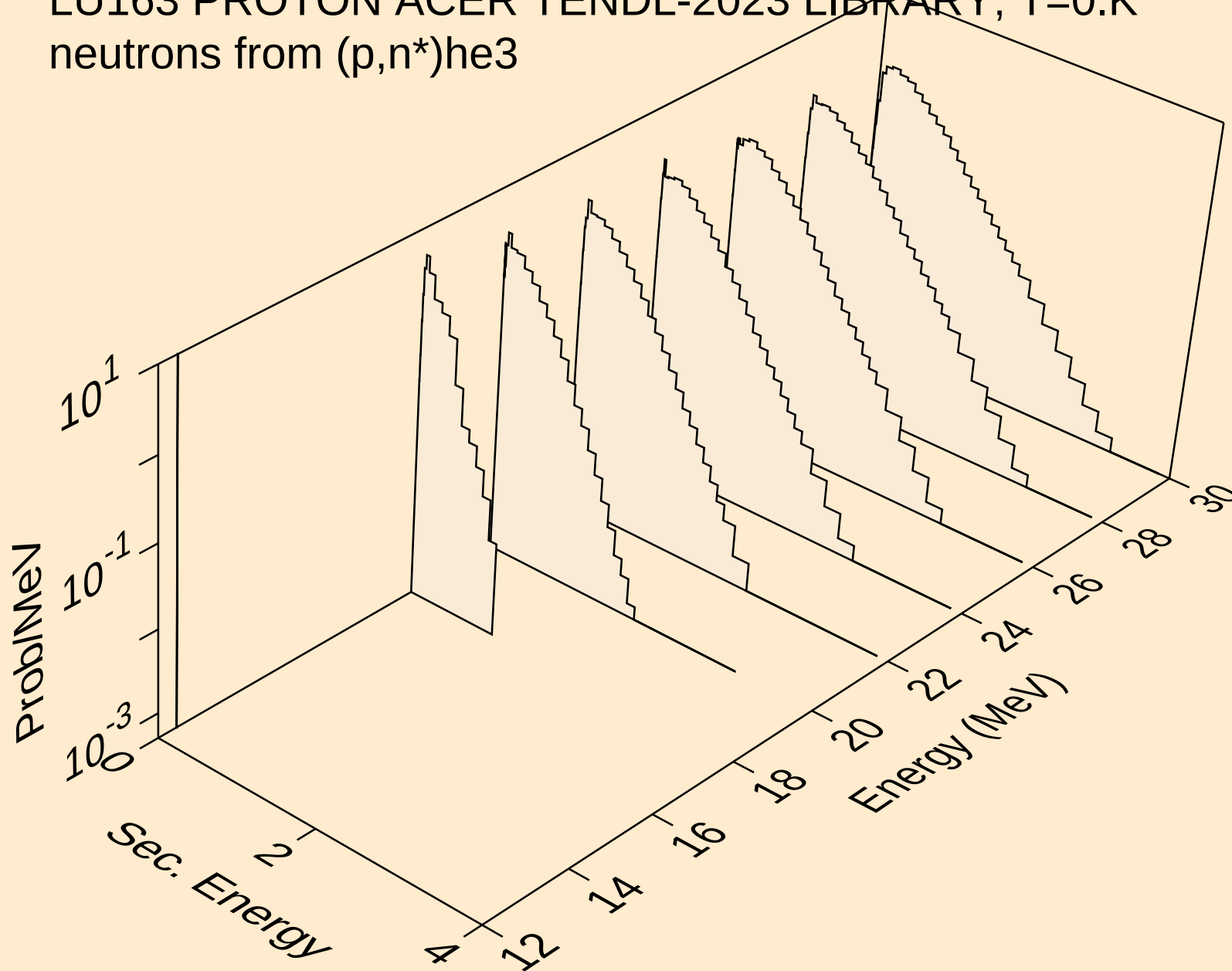
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d



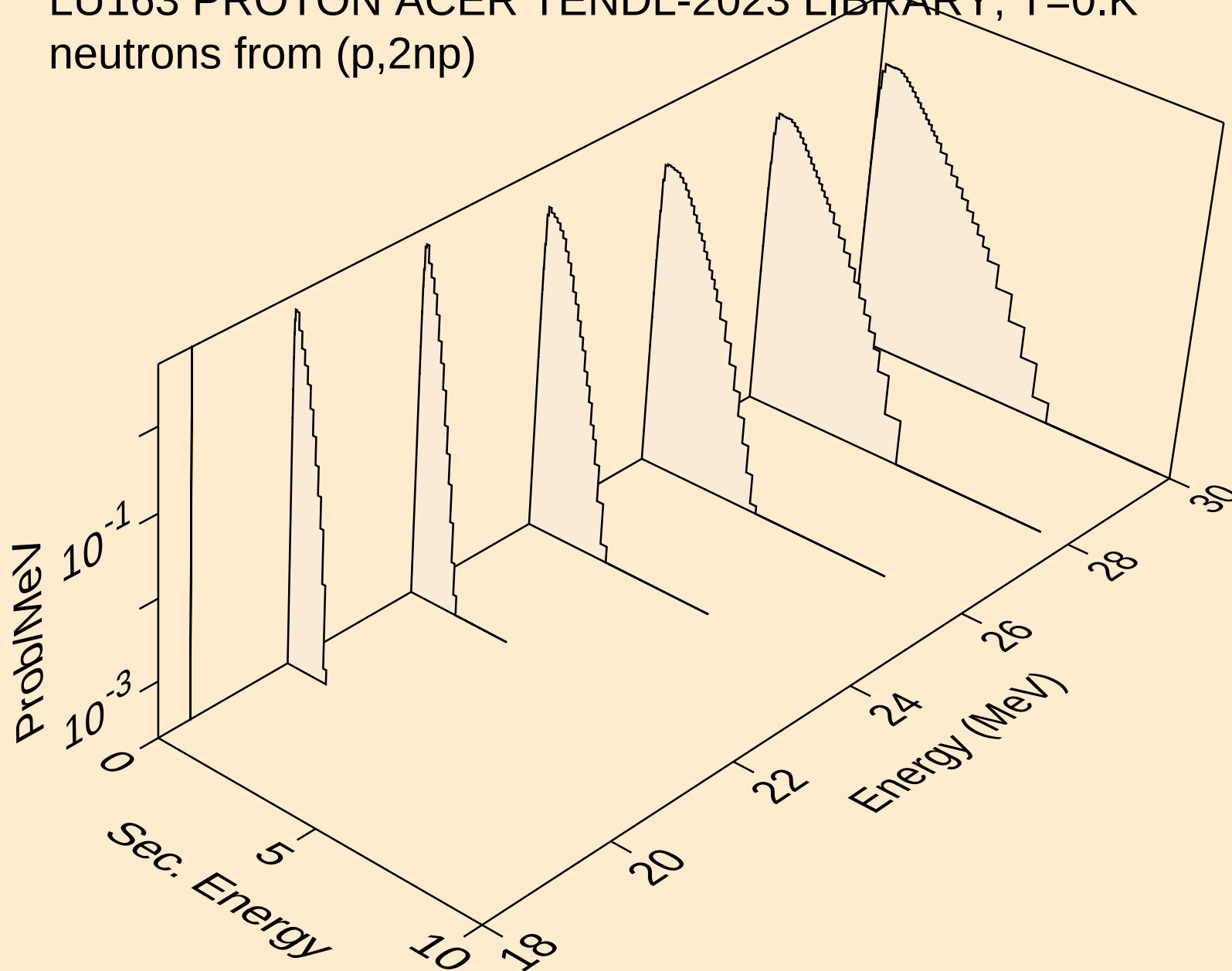
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)t



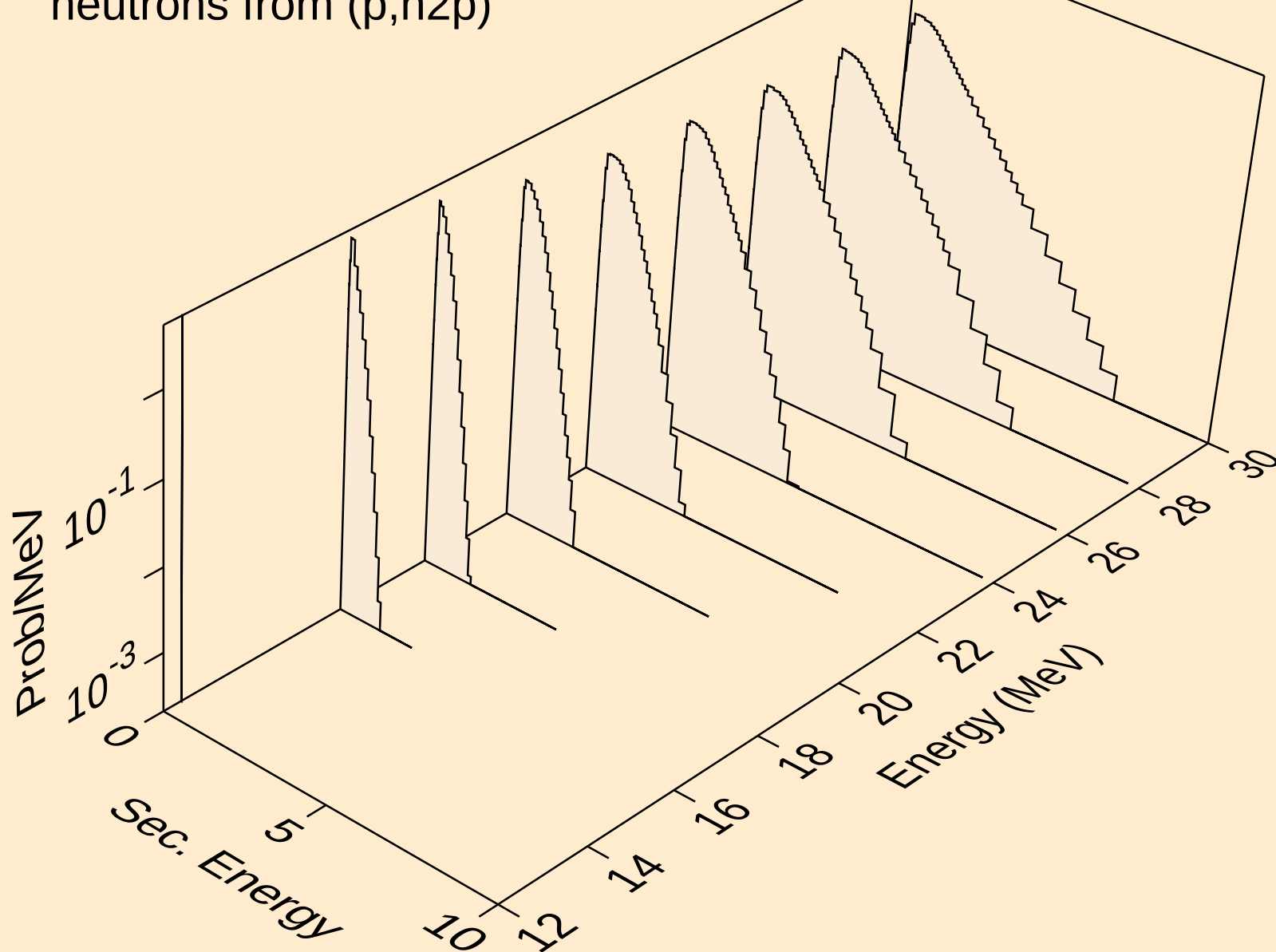
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



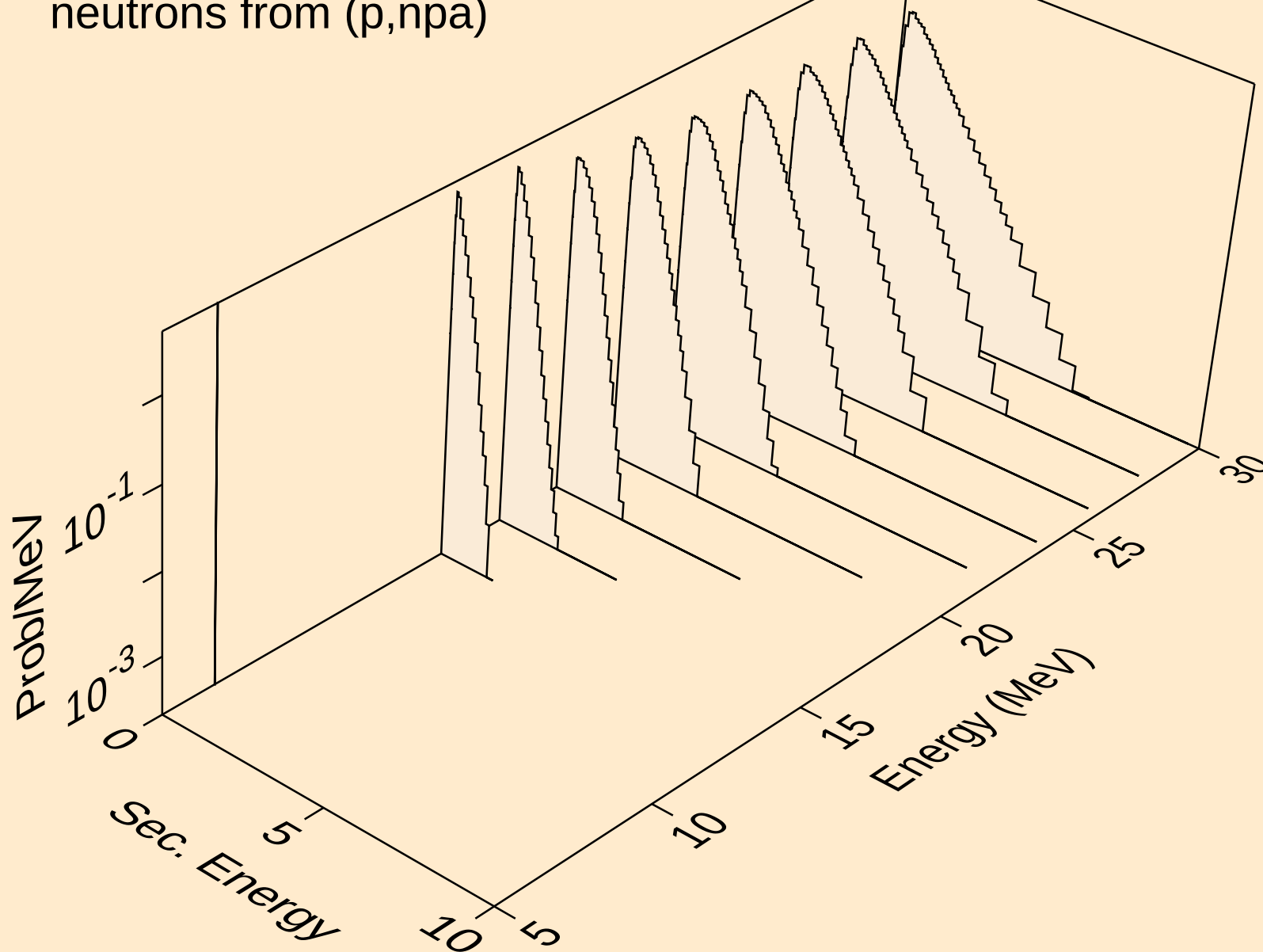
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2np)



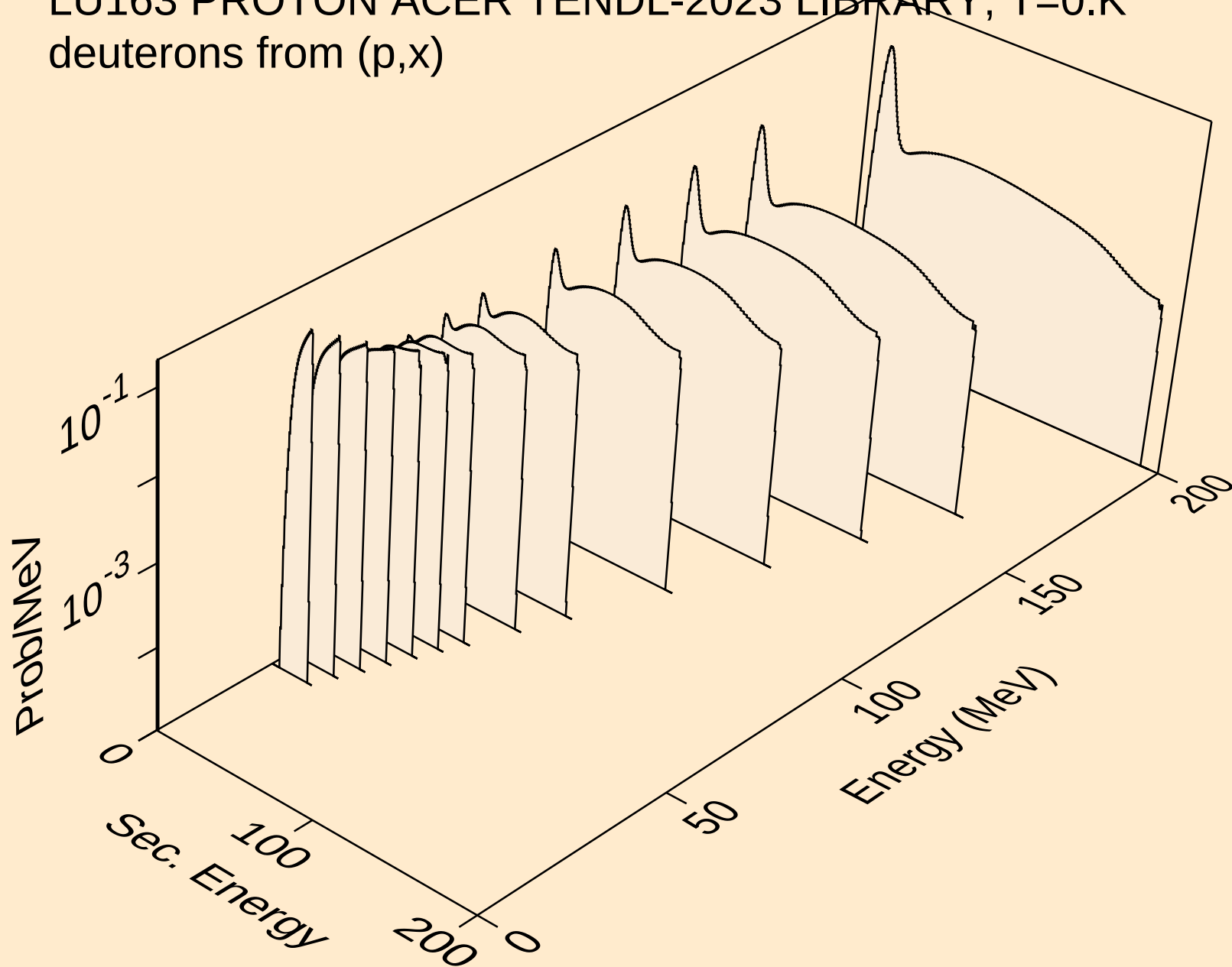
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)



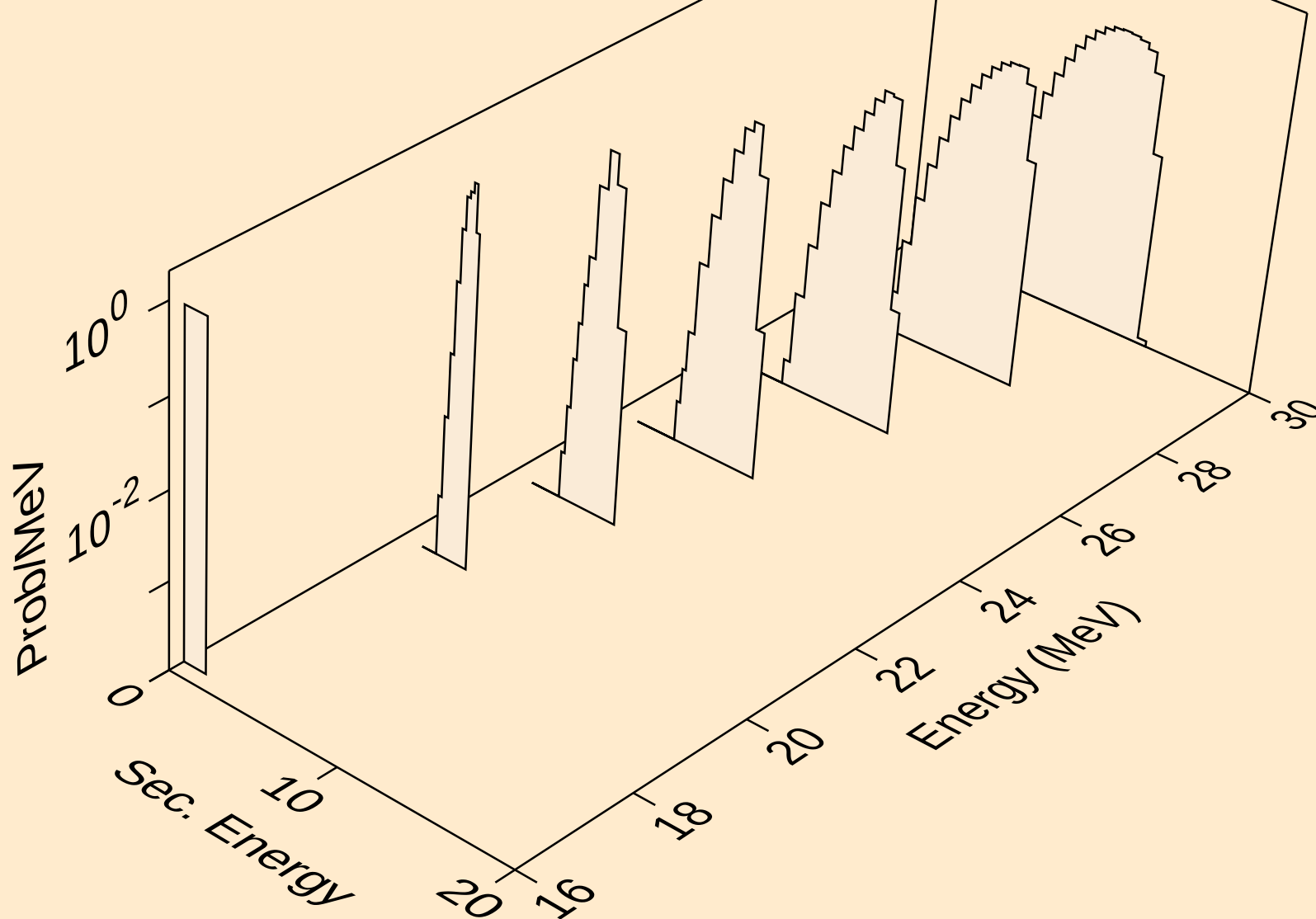
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,npa)



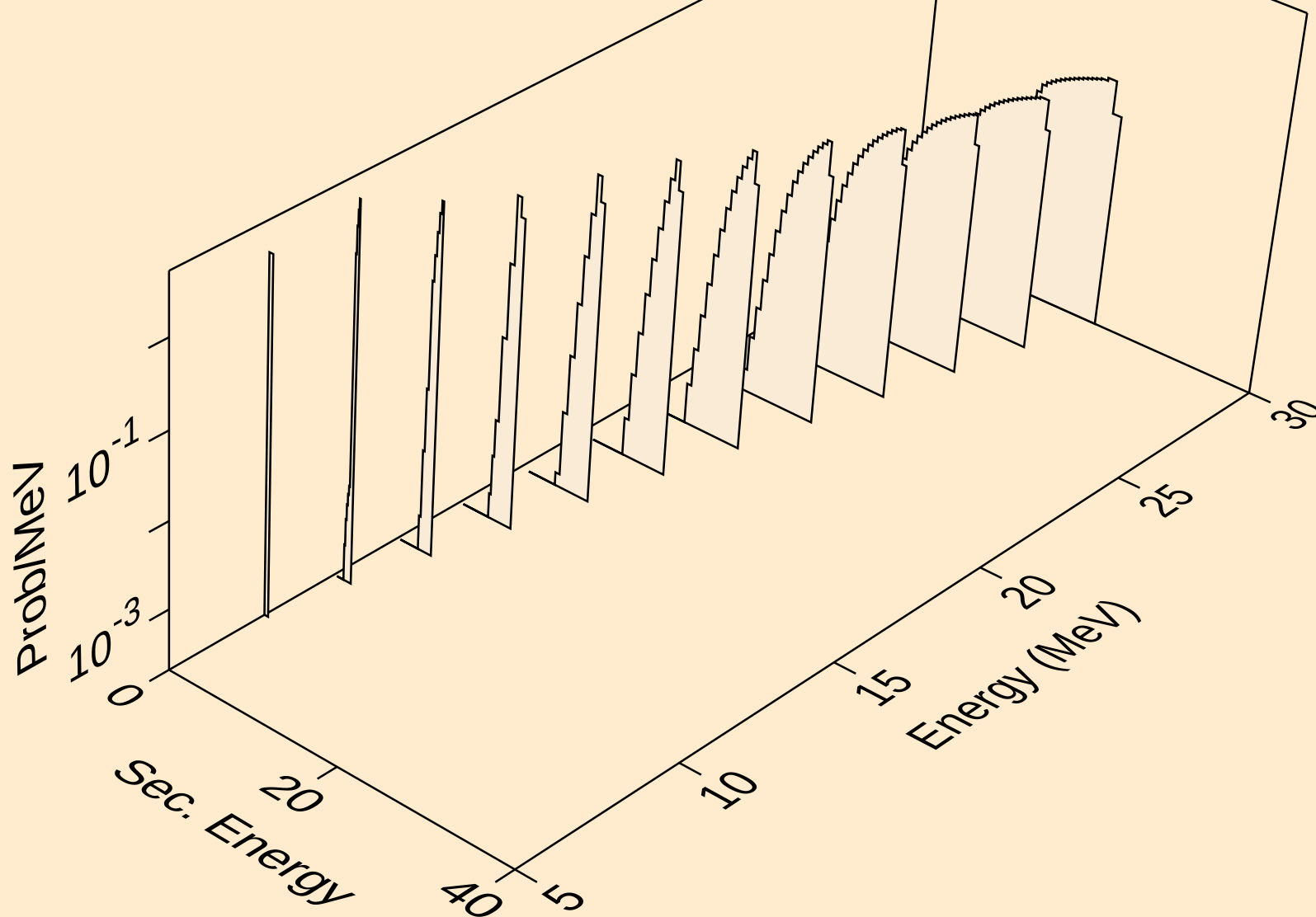
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deuterons from (p,x)



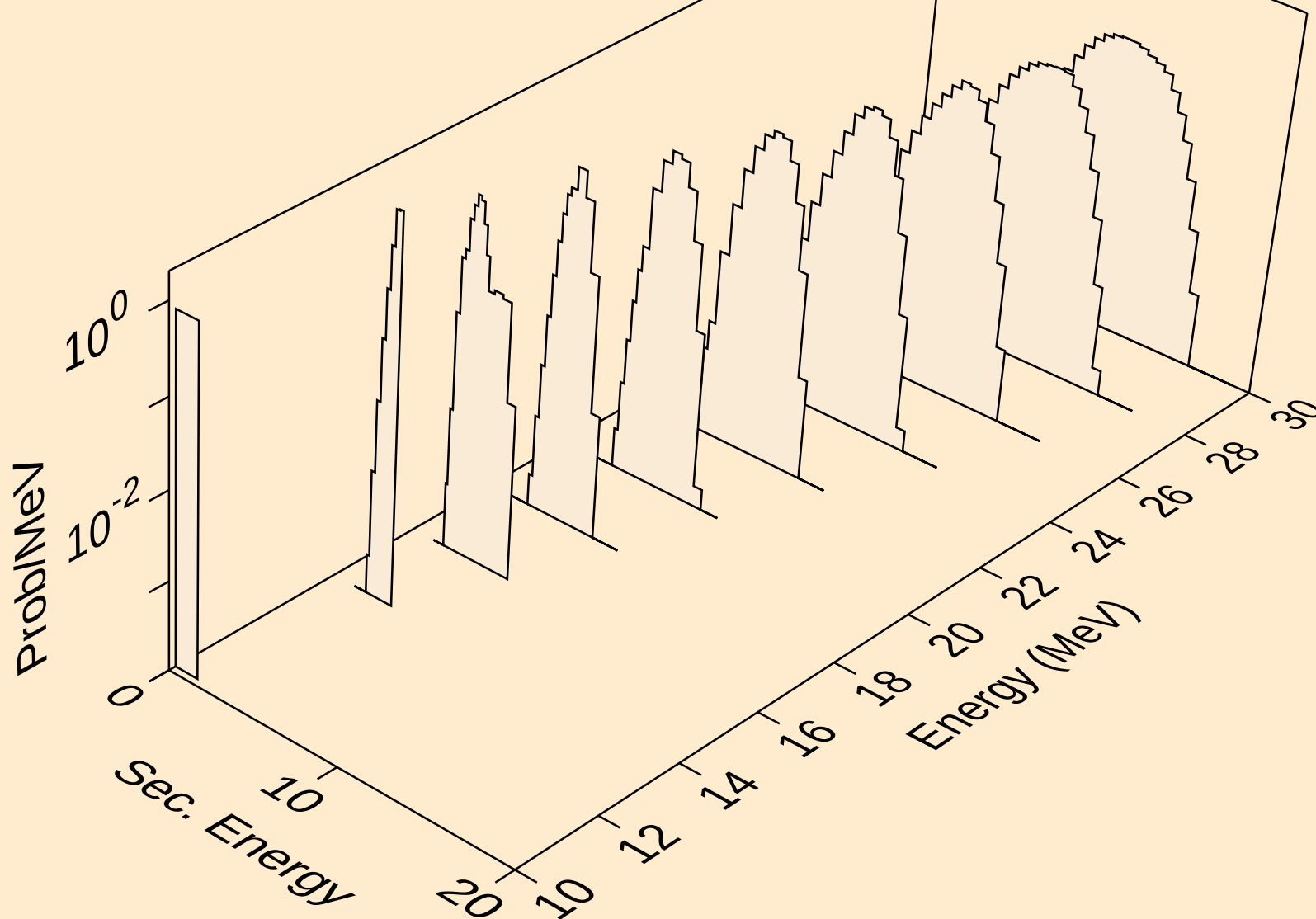
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deuterons from (p,n*)d



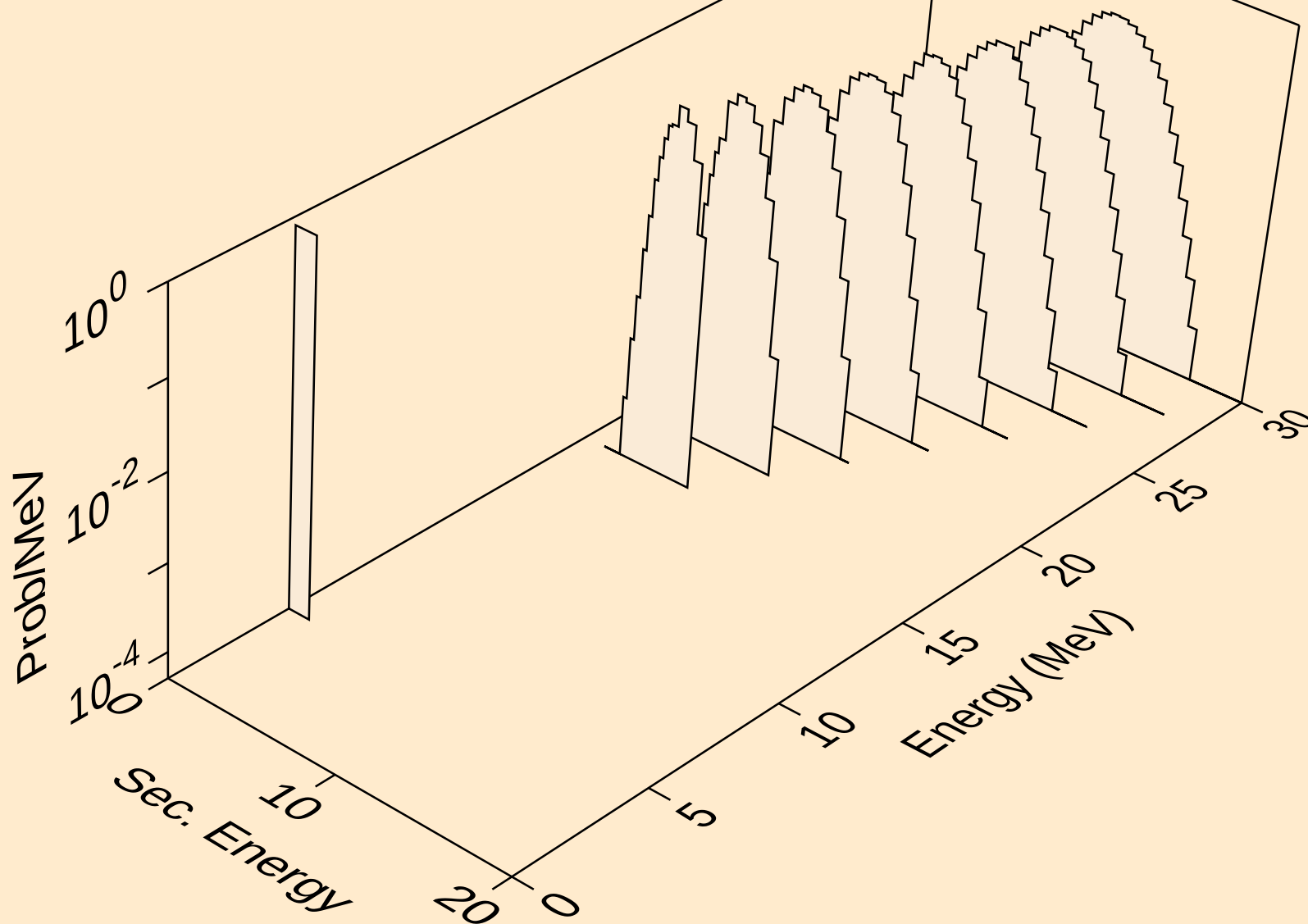
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deuterons from (p,d)



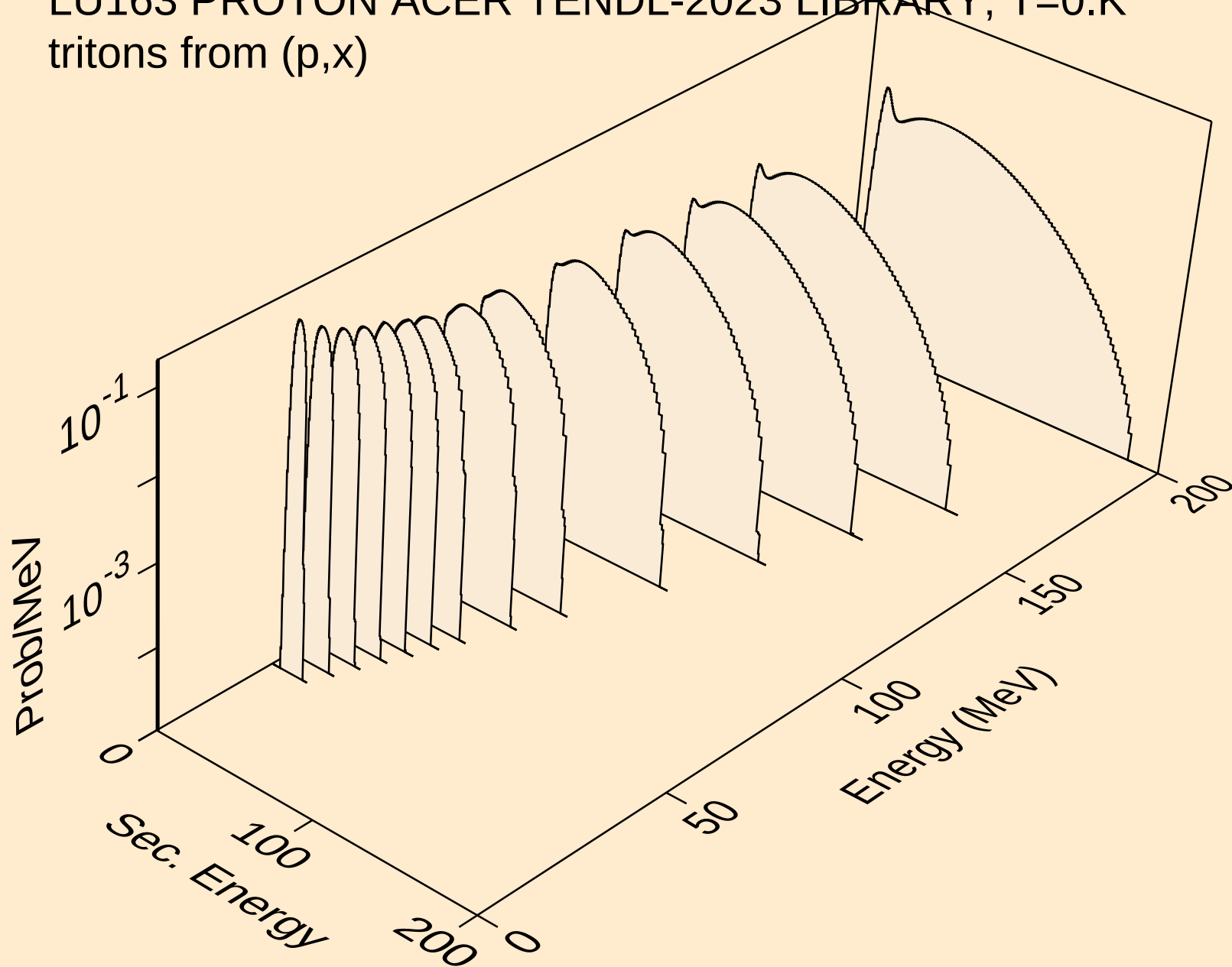
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deuterons from (p,pd)



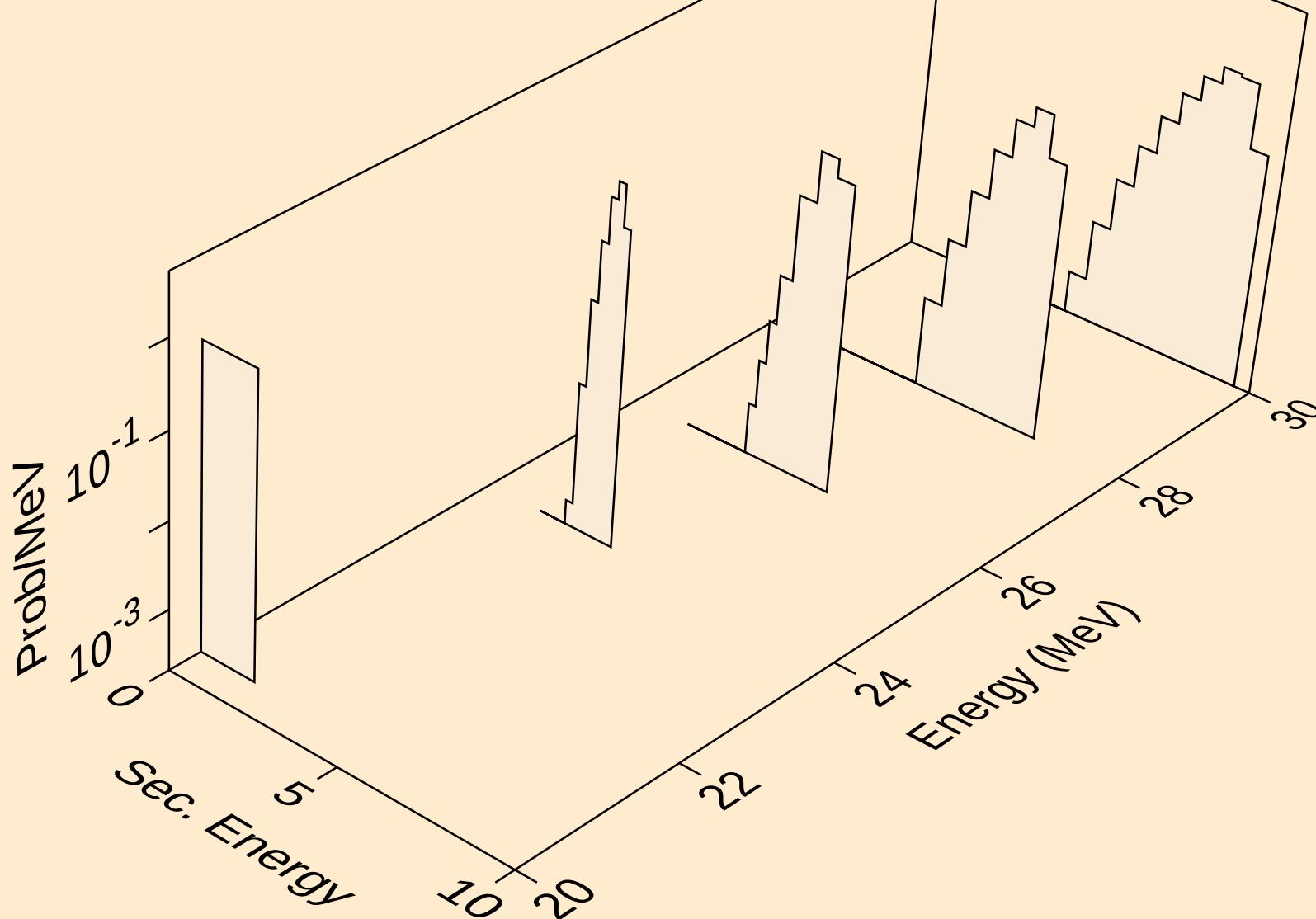
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deuterons from (p,da)



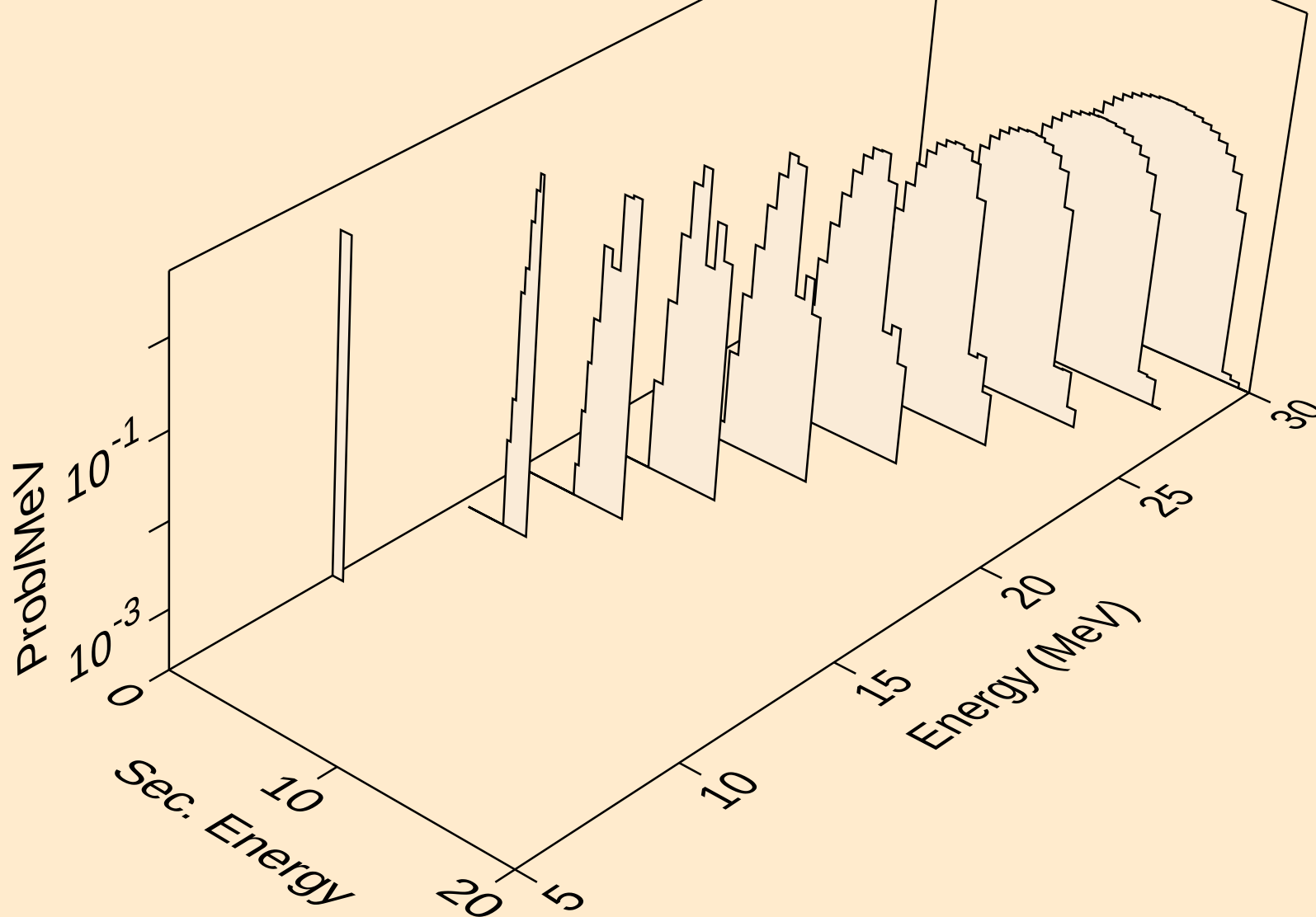
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tritons from (p,x)



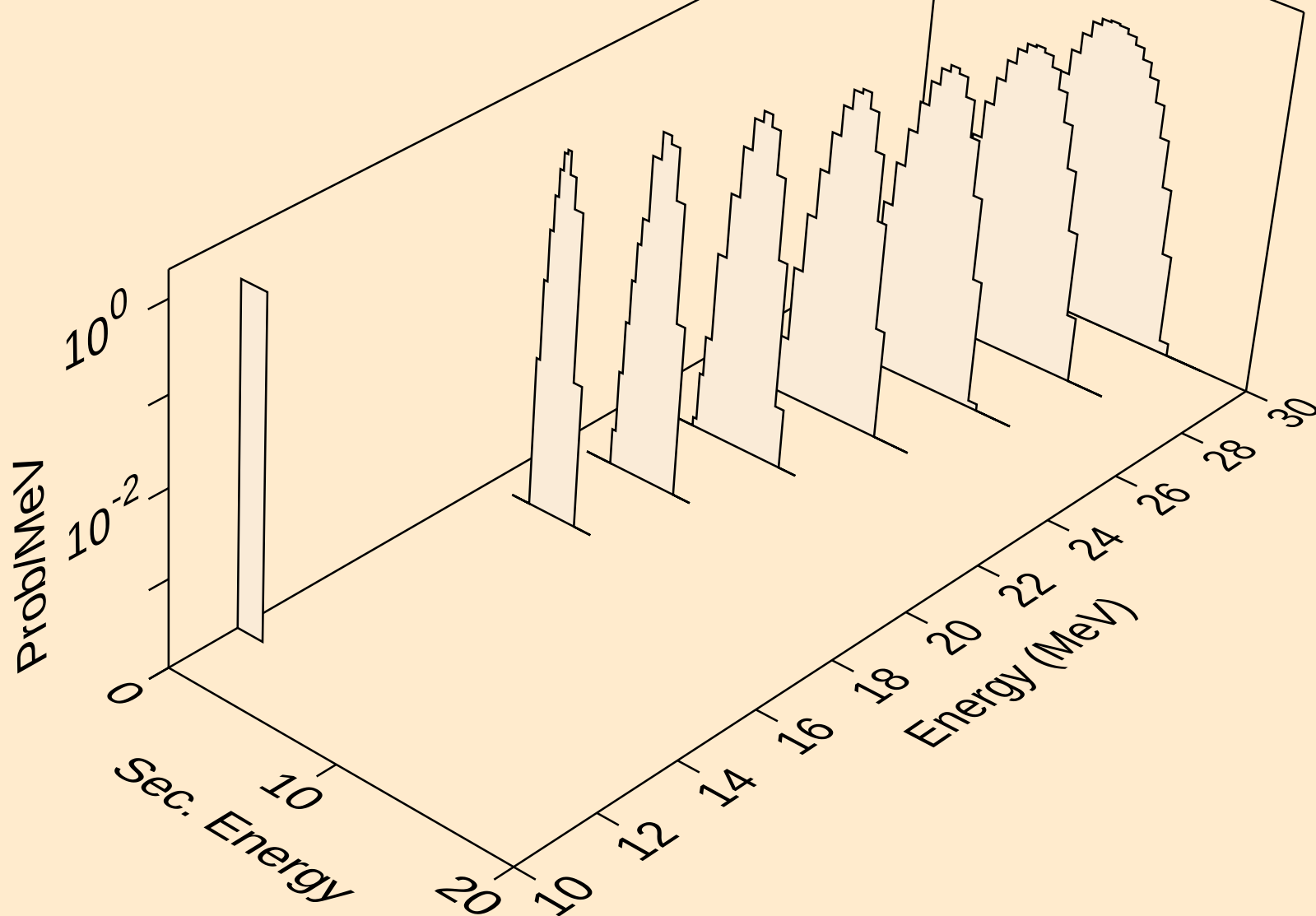
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tritons from (p,n*)t



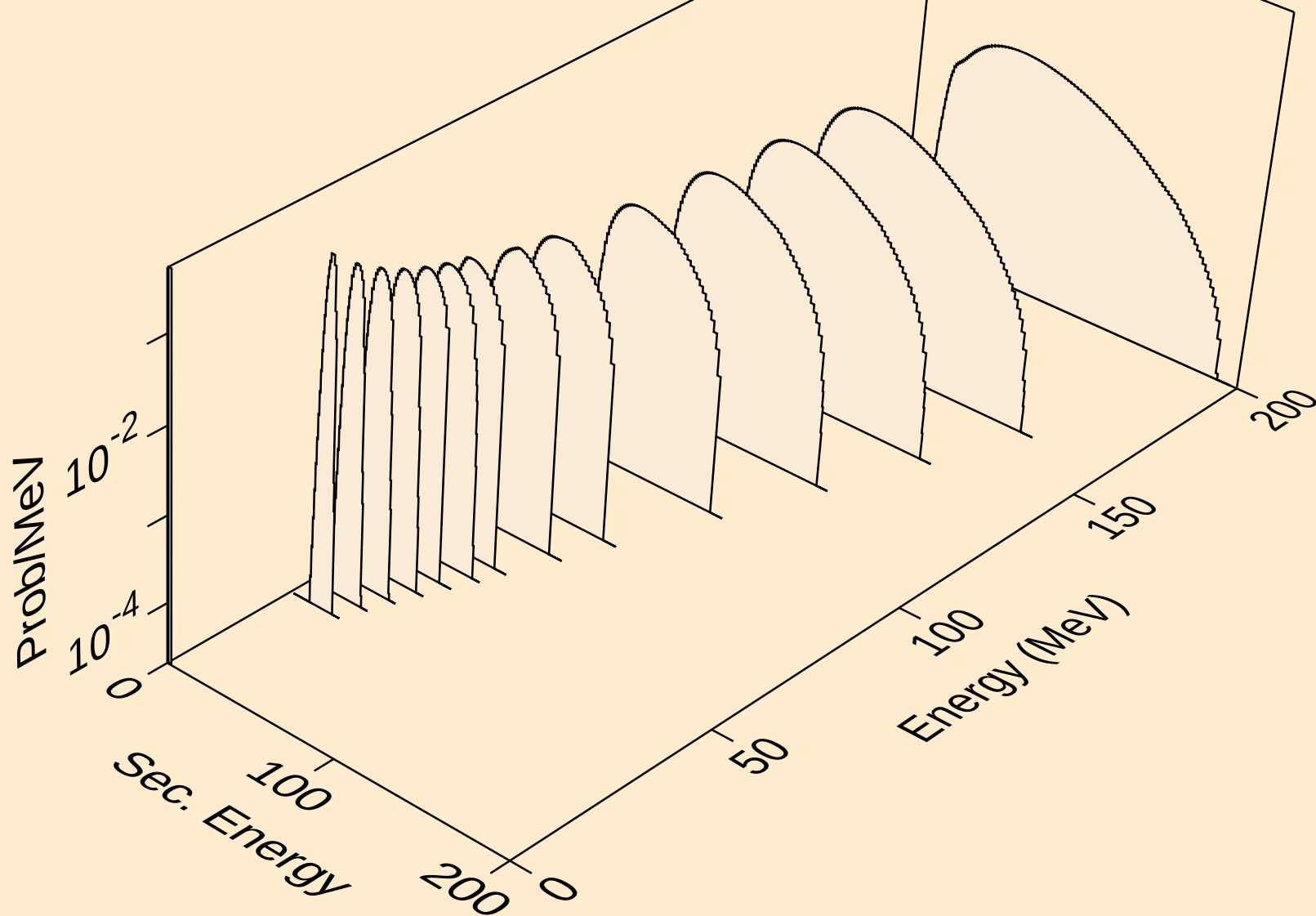
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tritons from (p,t)



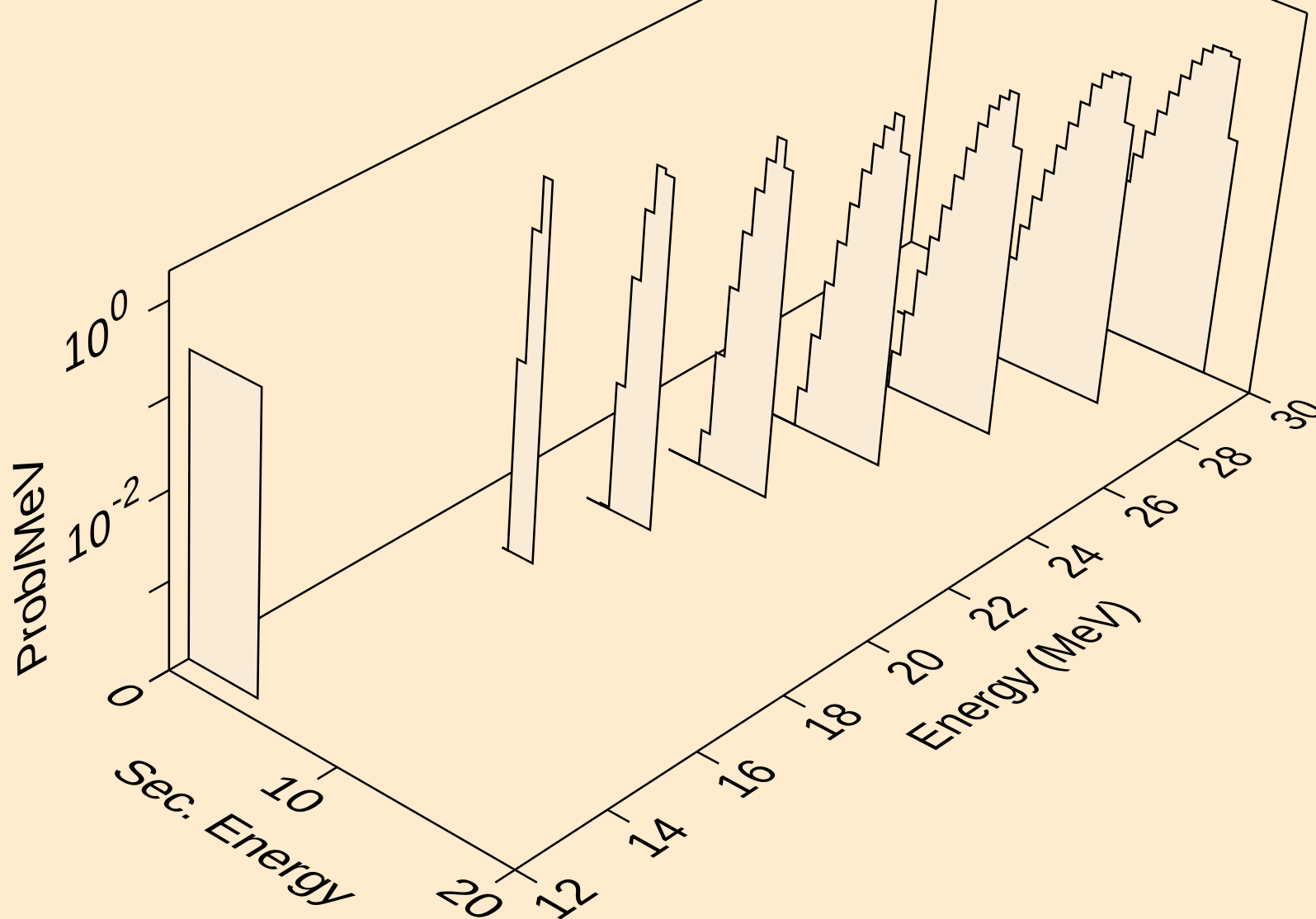
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tritons from (p,pt)



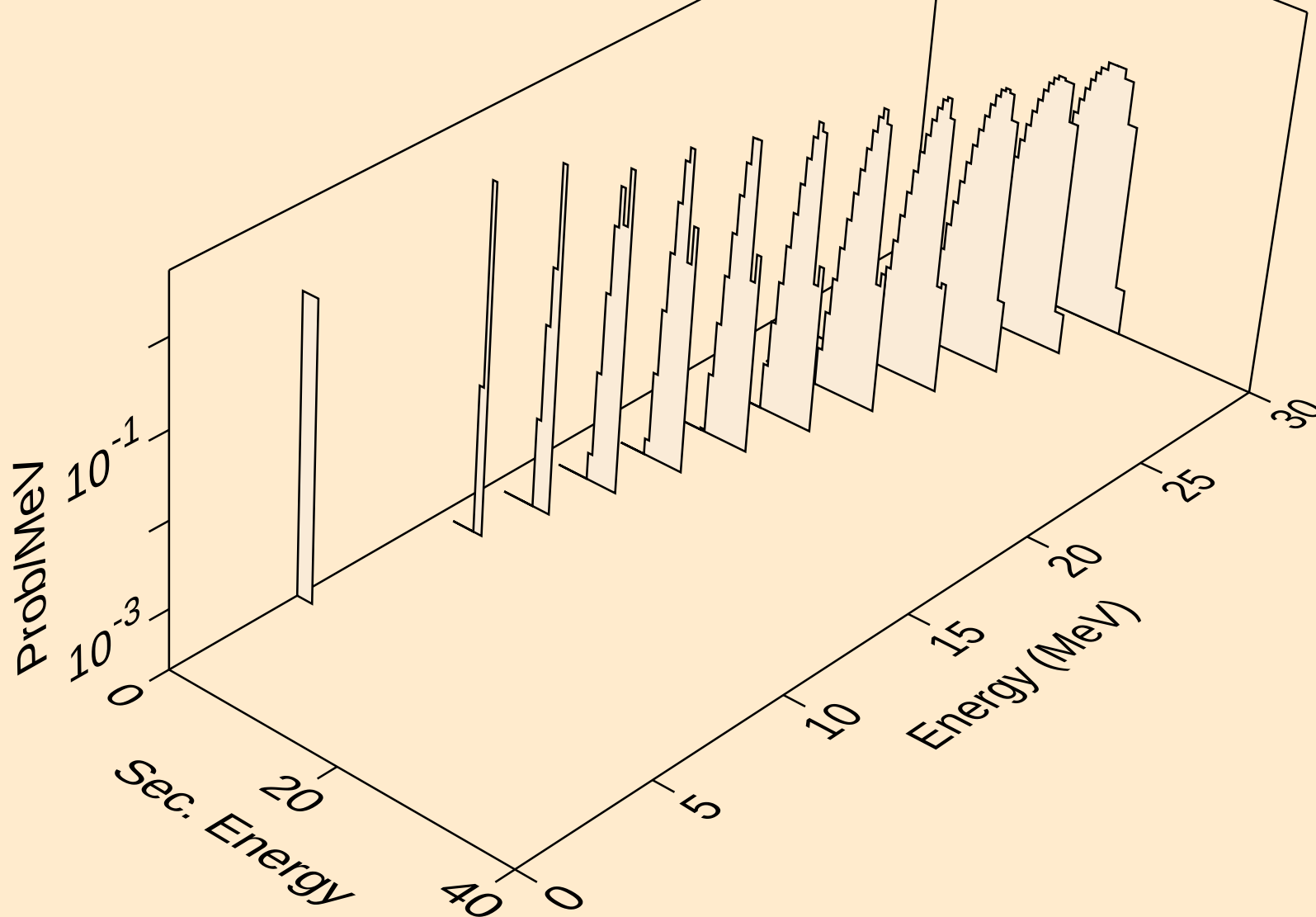
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he3s from (p,x)



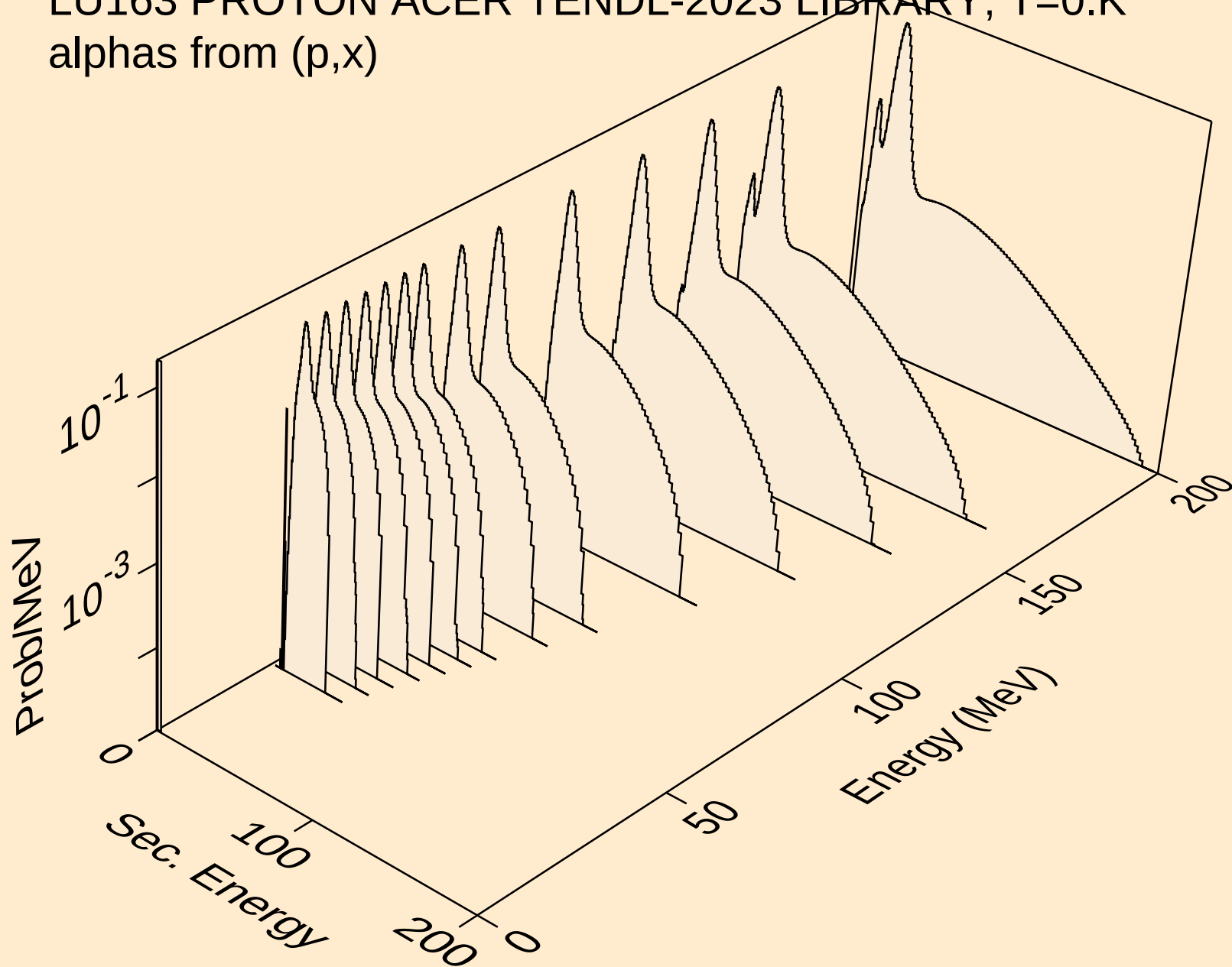
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he3s from (p,n*)he3



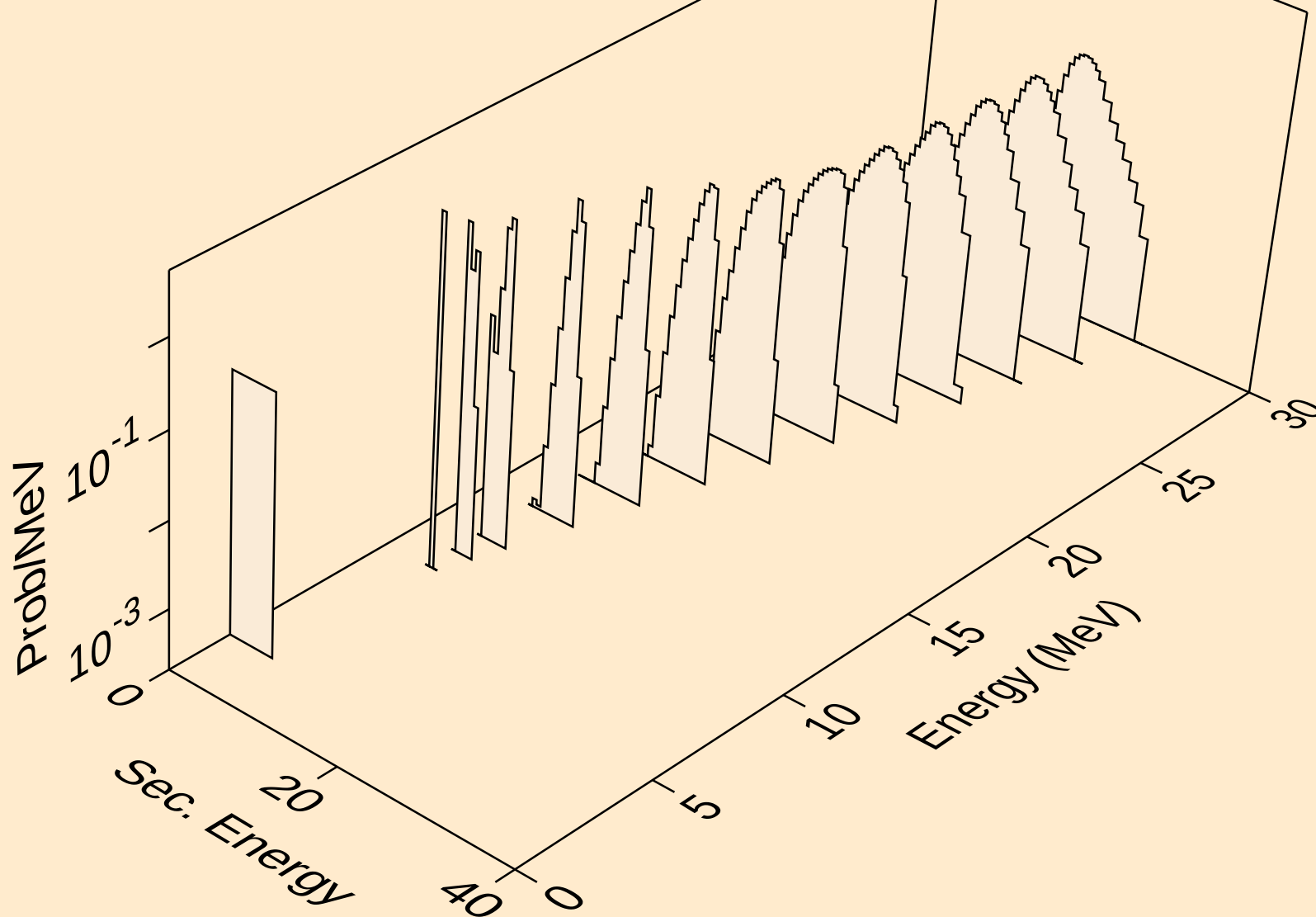
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he3s from (p,he3)



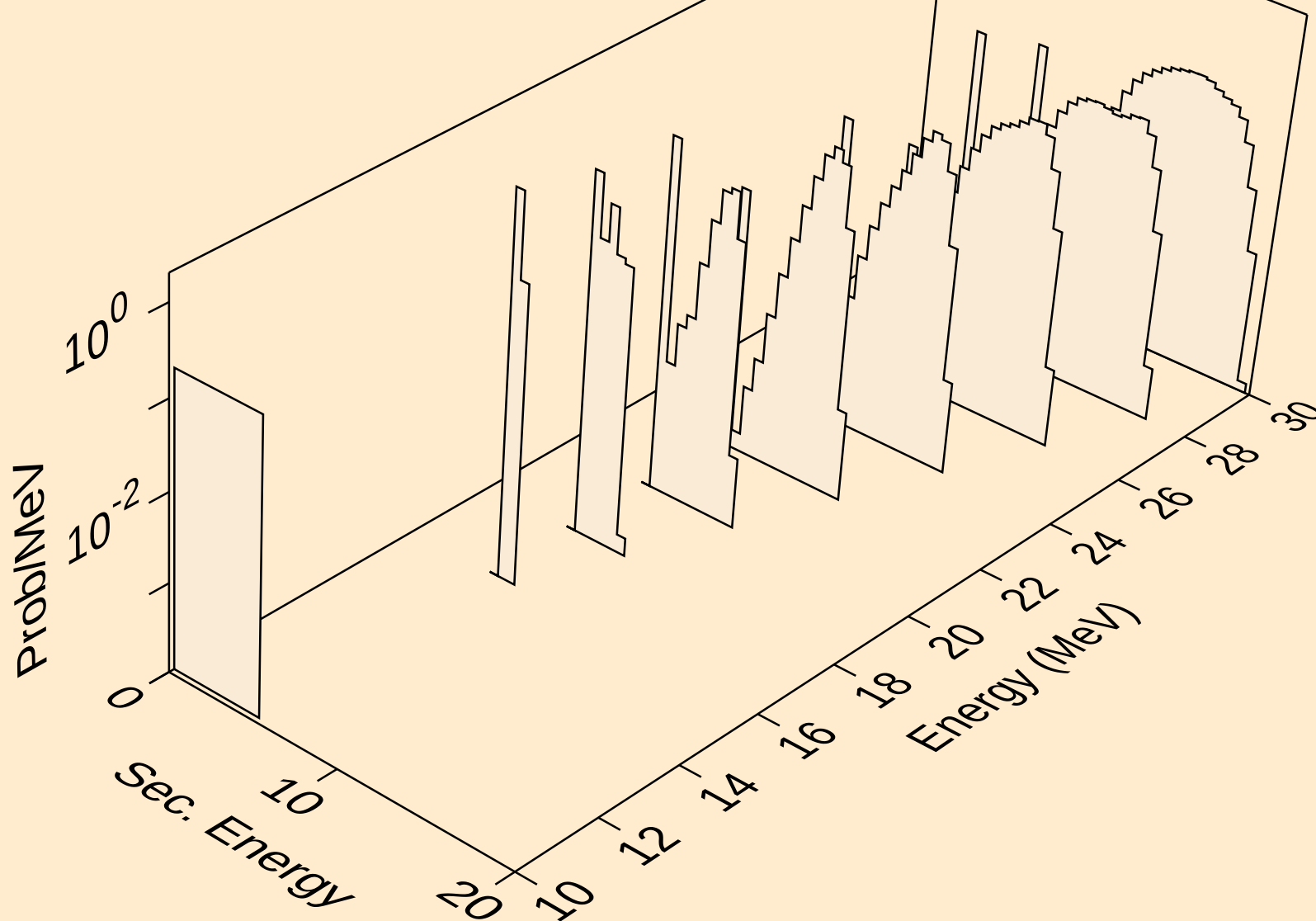
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alphas from (p,x)



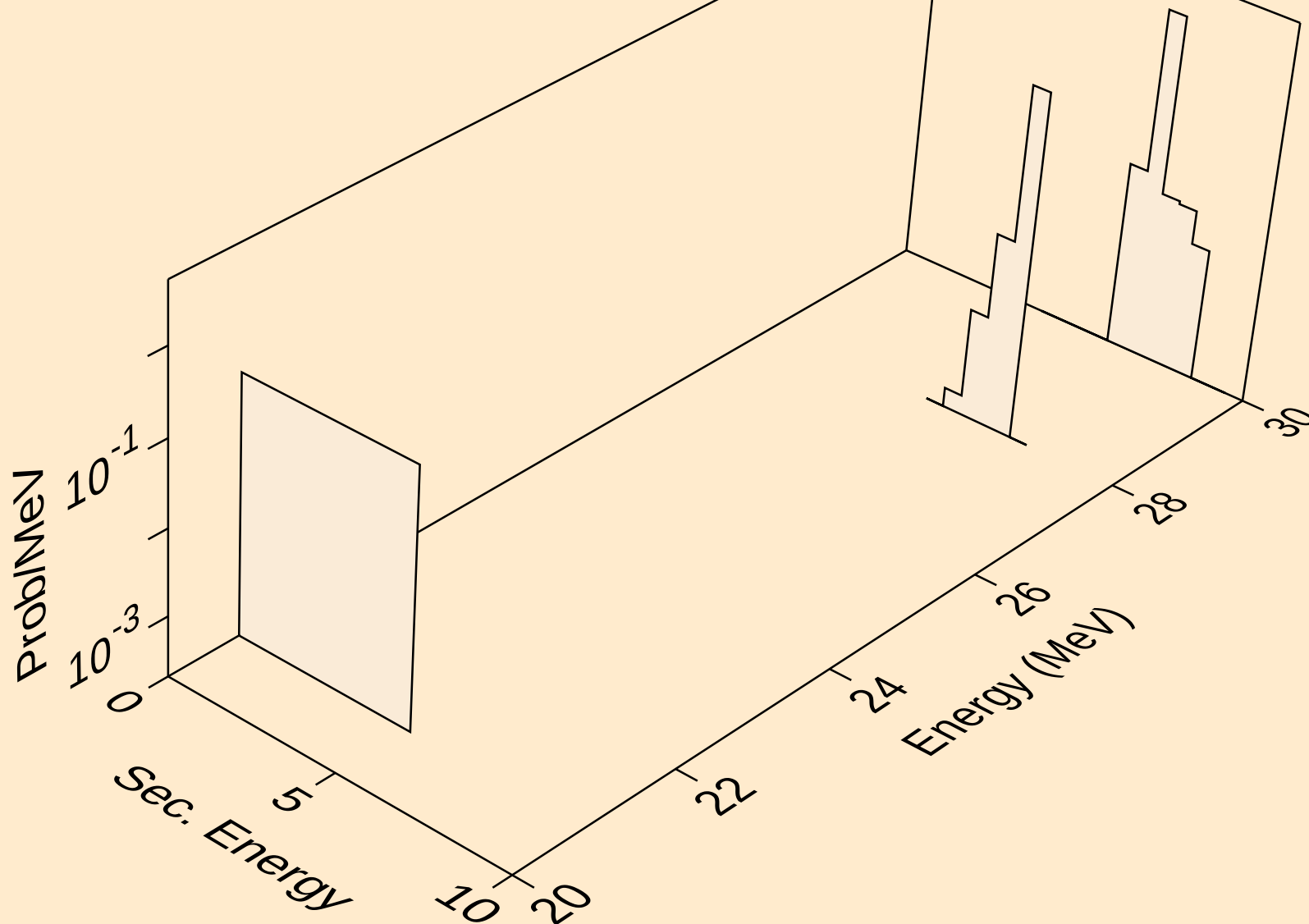
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alphas from (p,n*)a



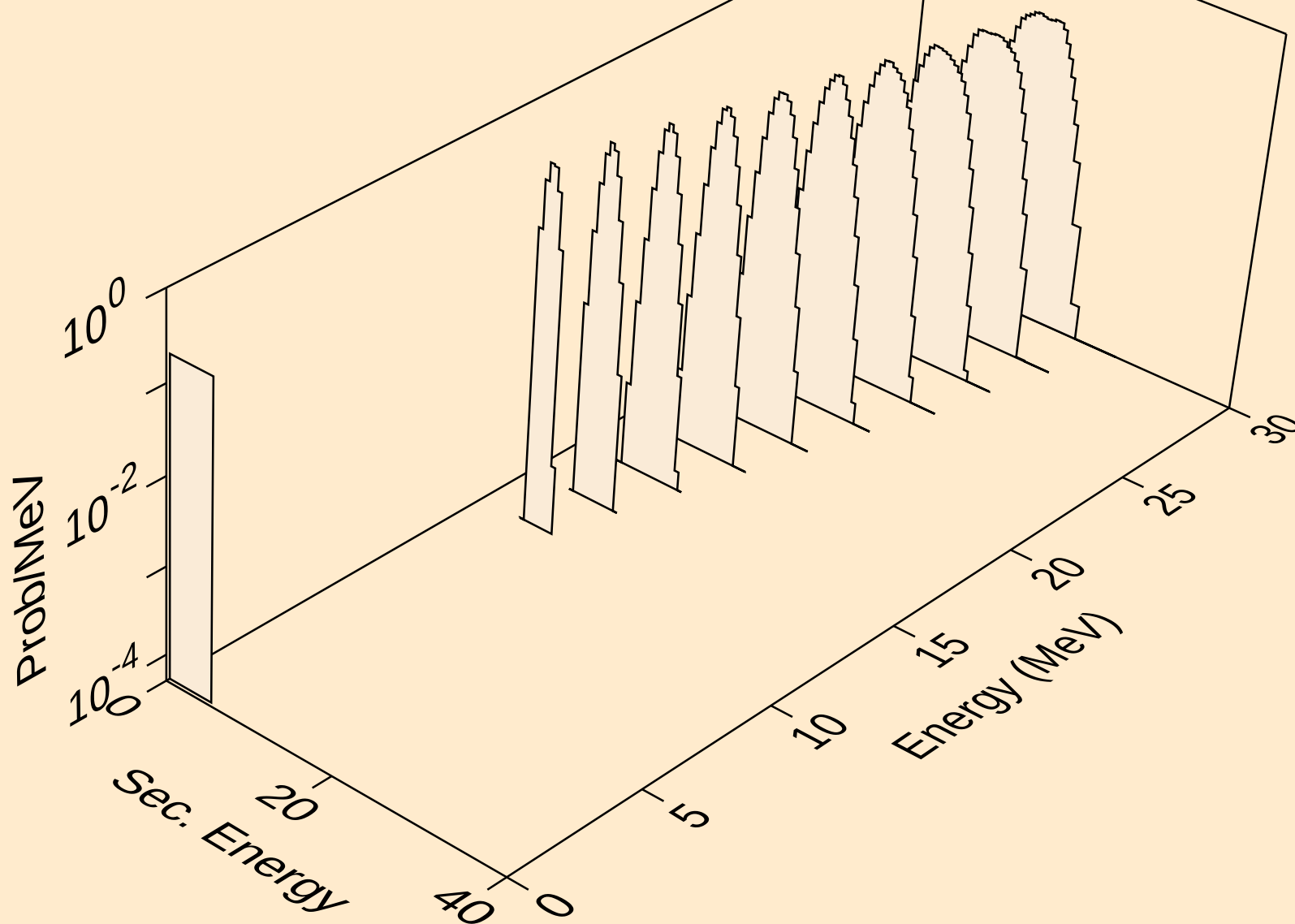
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alphas from (p,2n)a



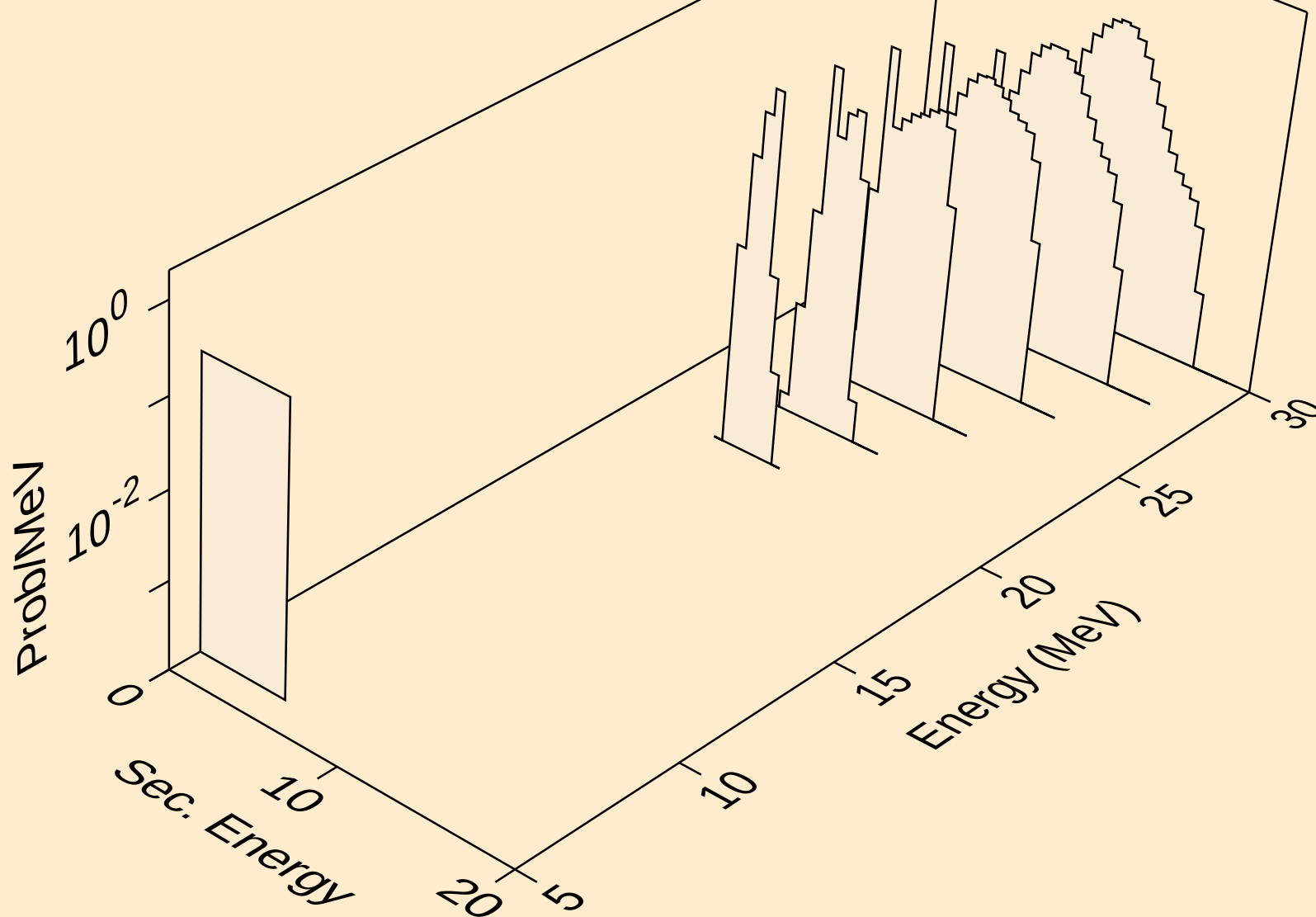
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alphas from (p,3n)a



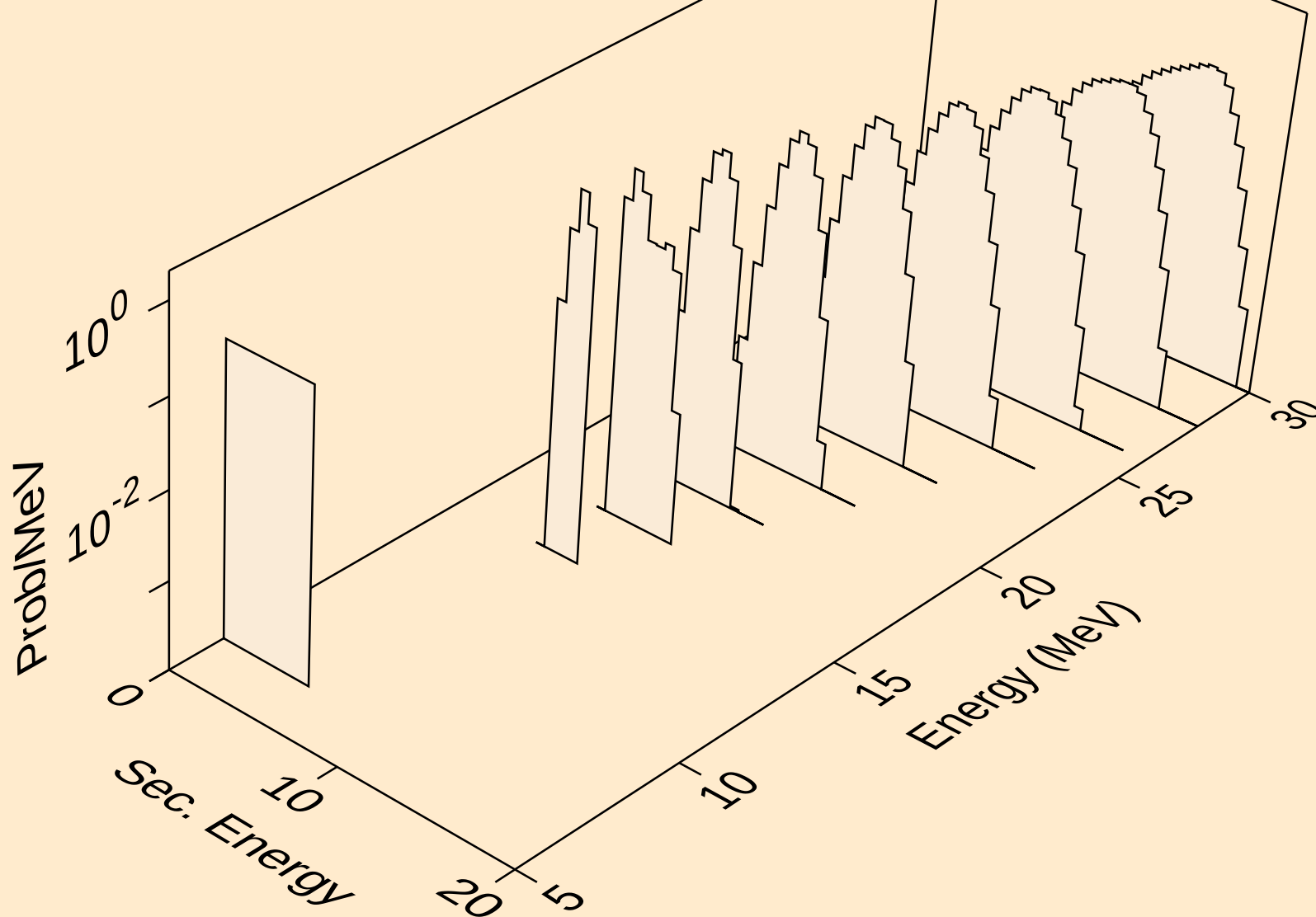
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alphas from (p,n*)2a



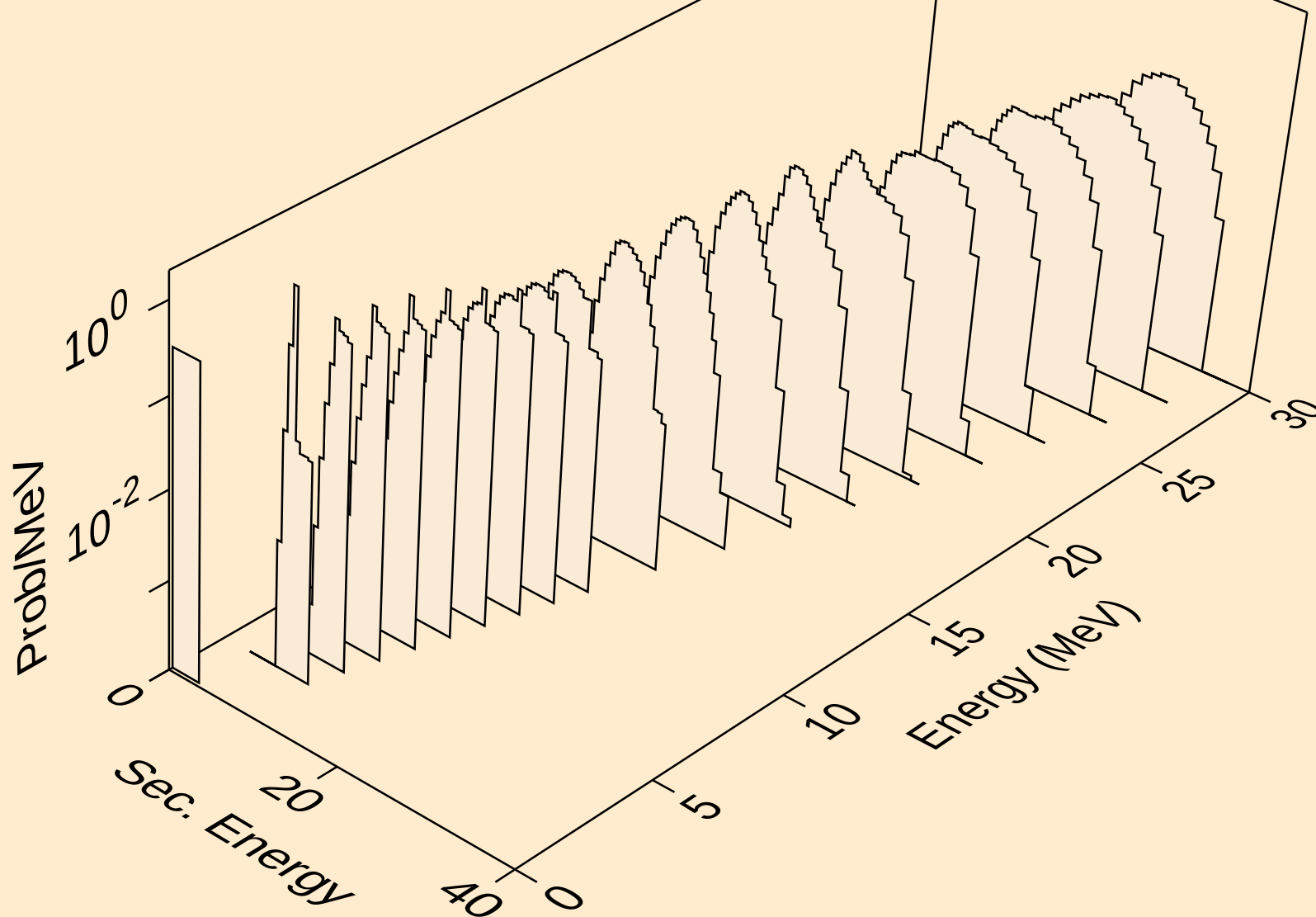
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alphas from (p,2n)2a



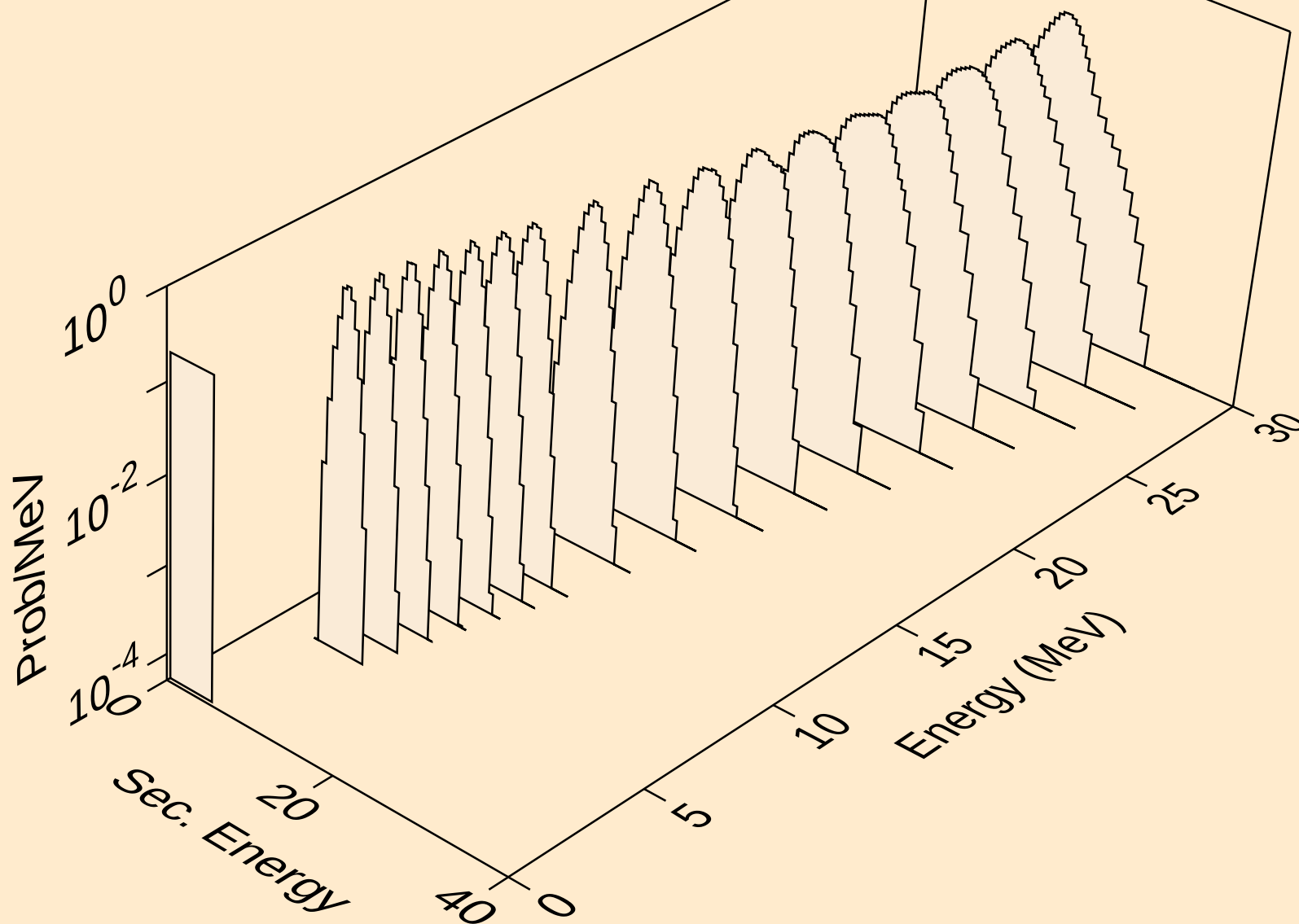
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



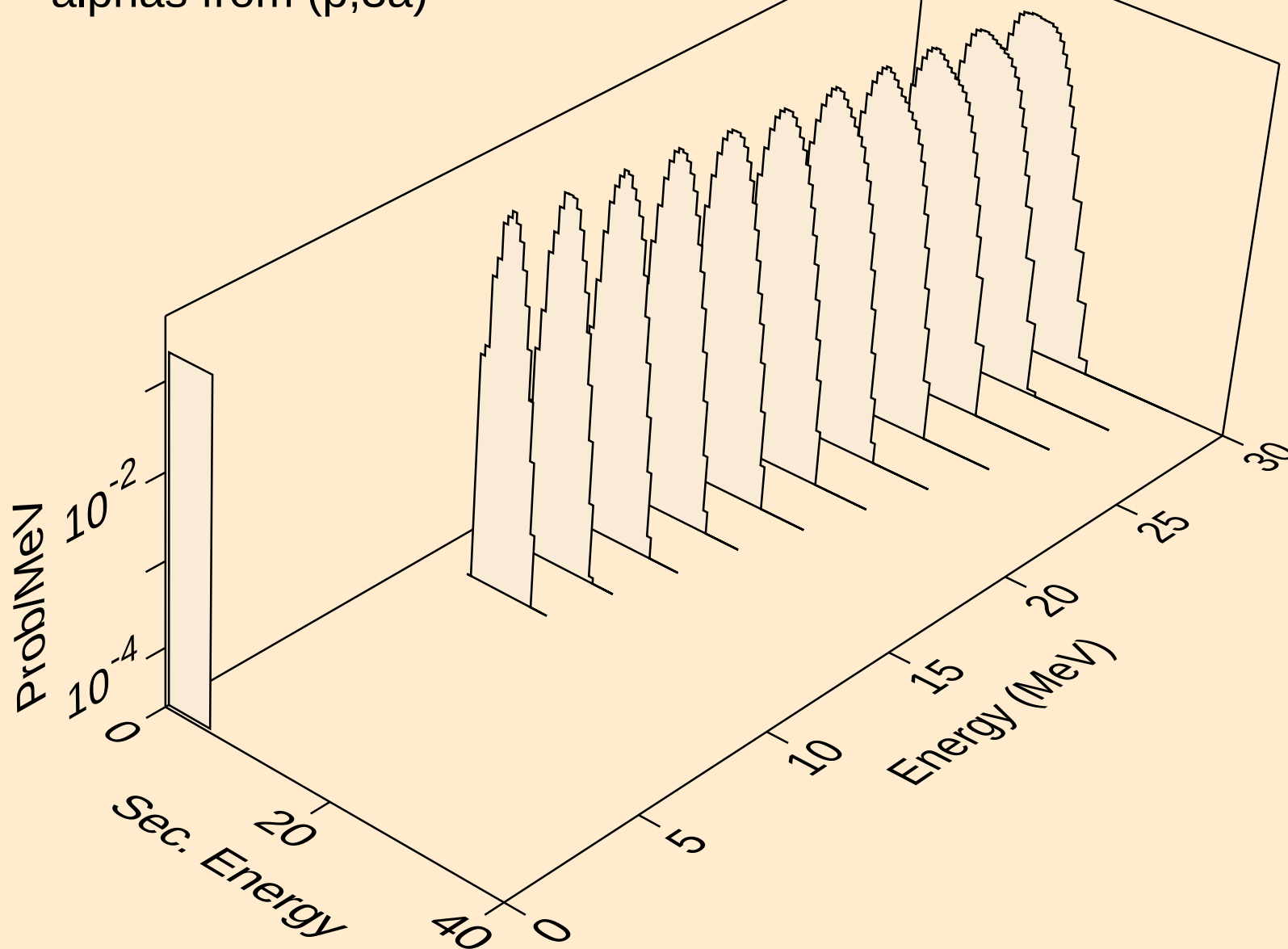
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



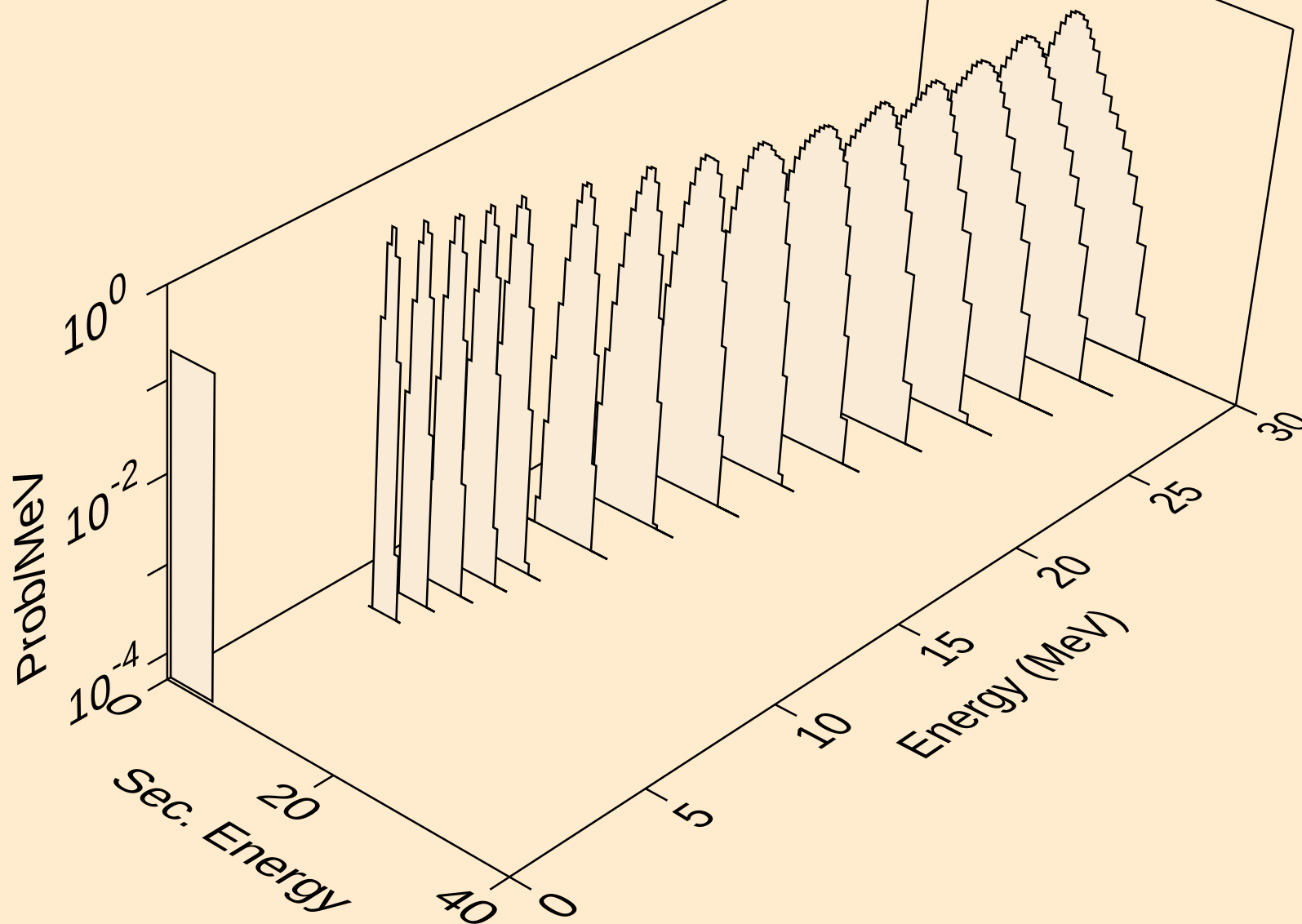
LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,3a)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



LU163 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

