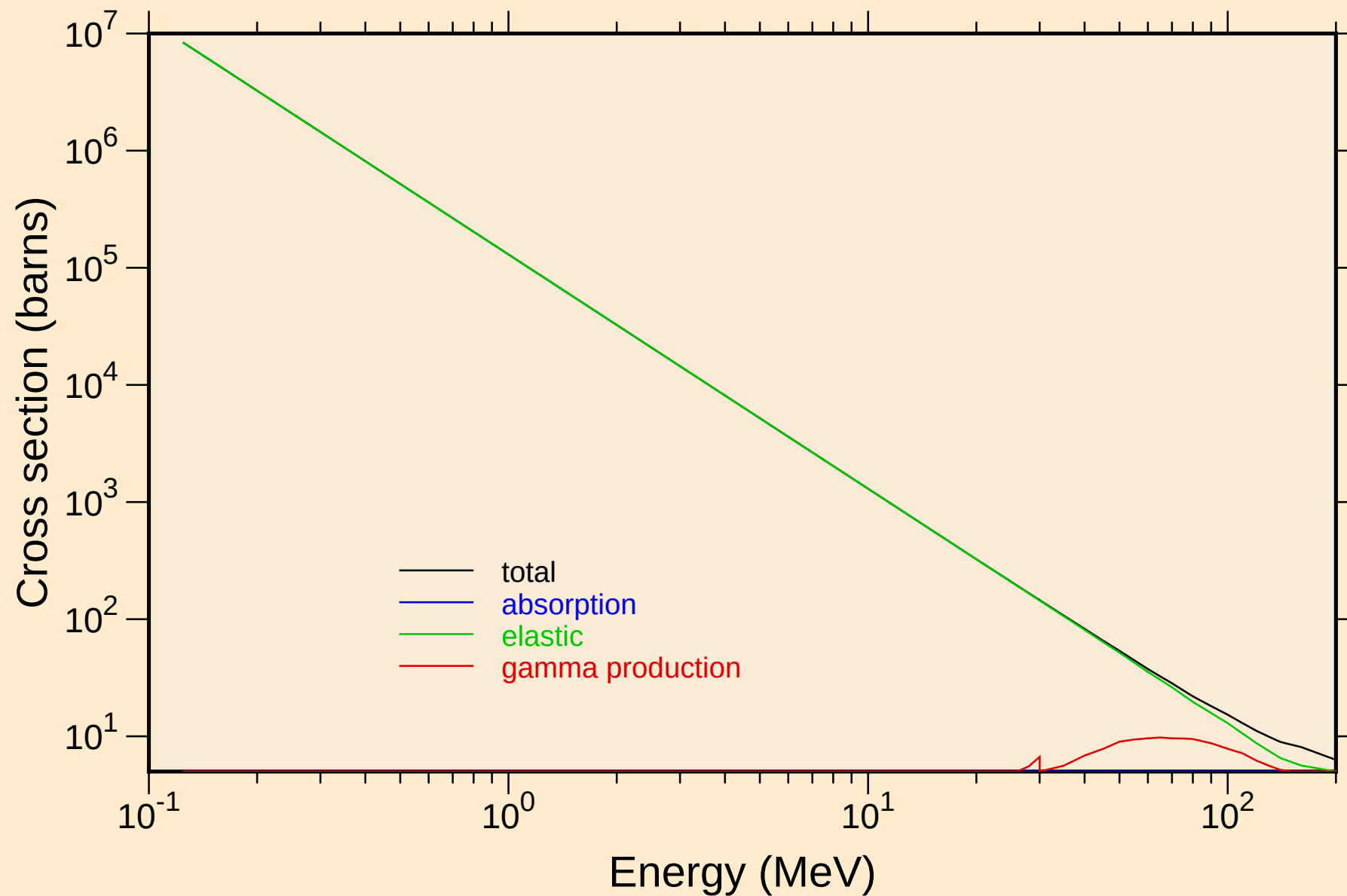


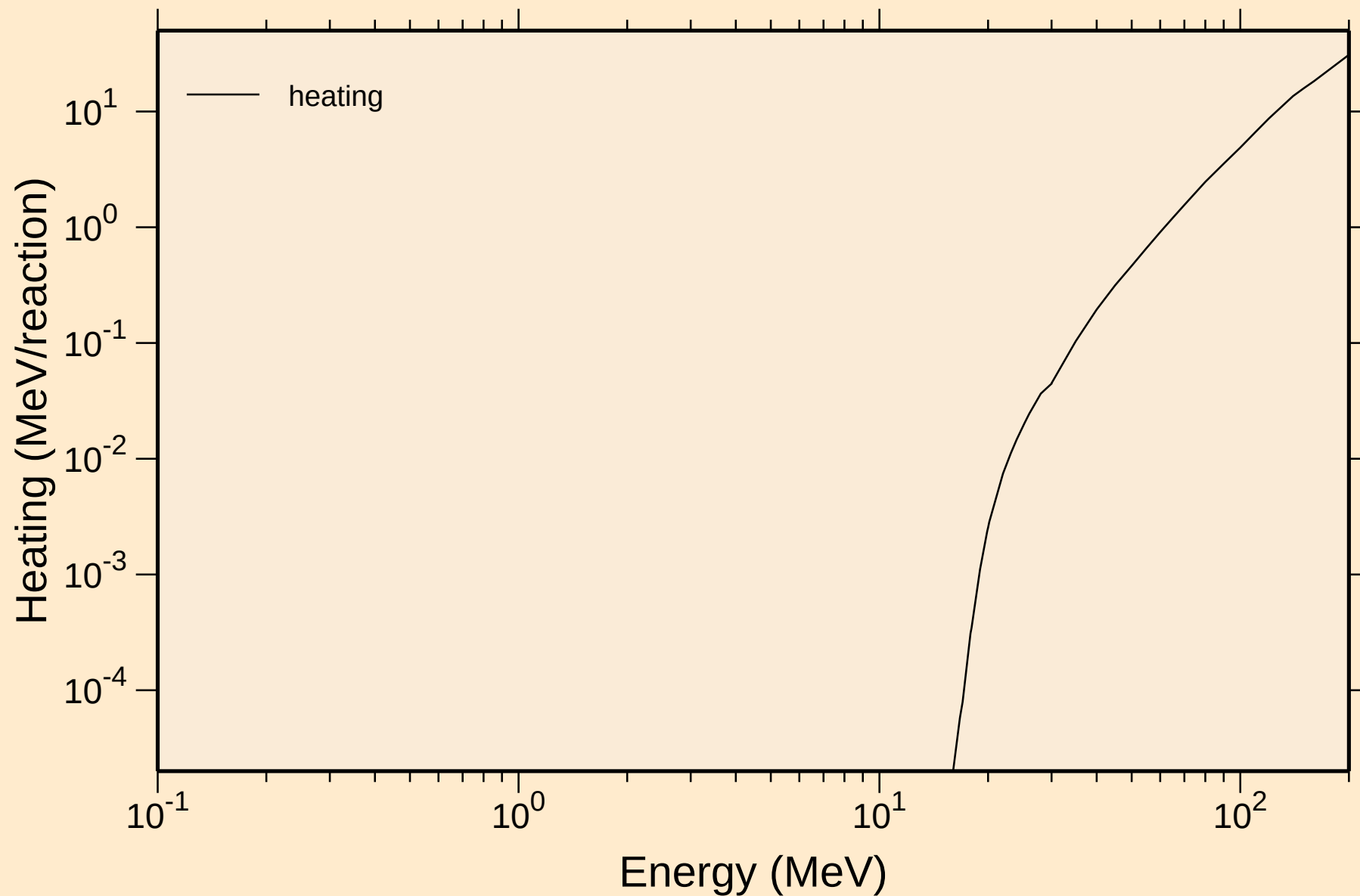
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



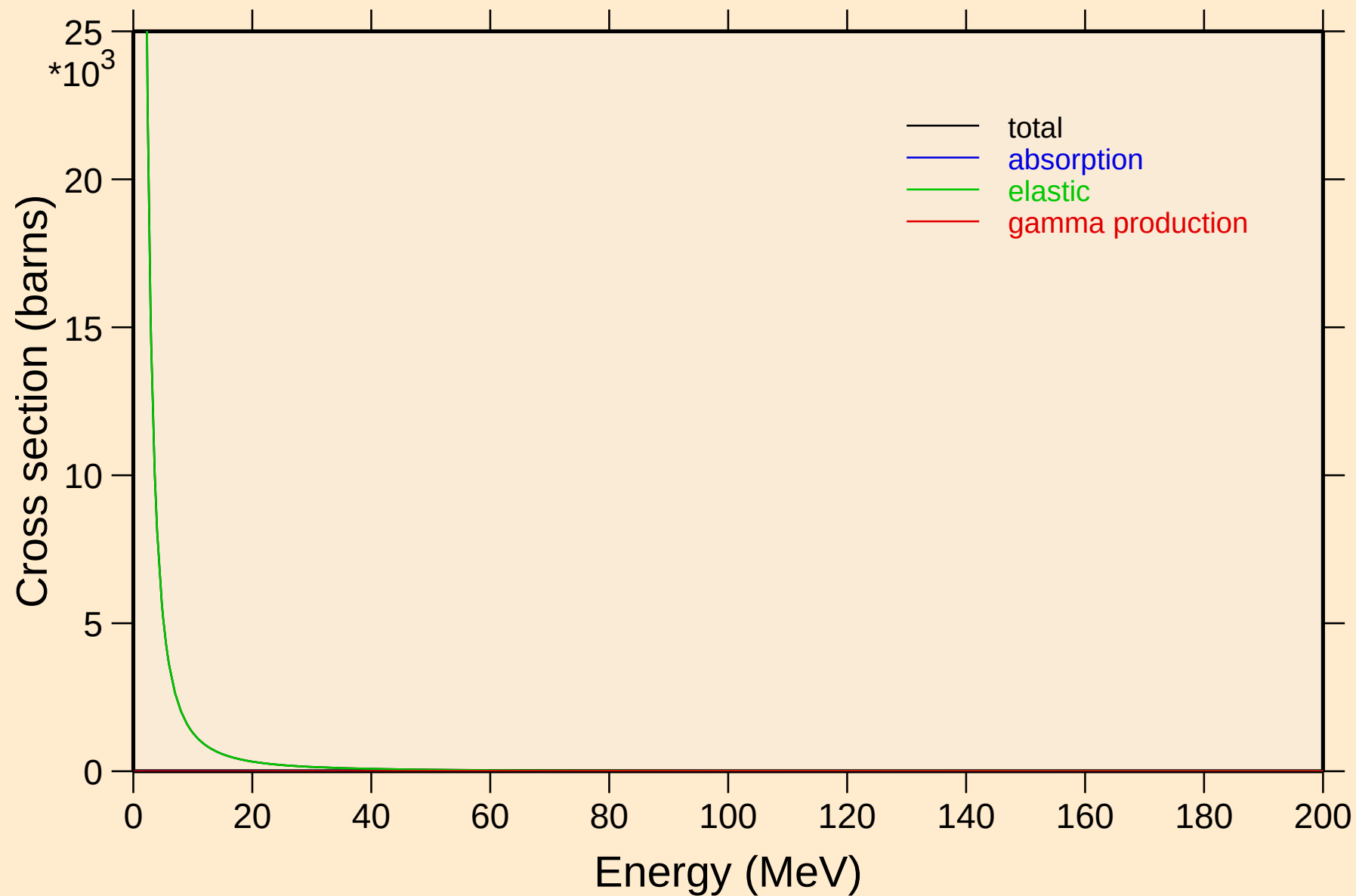
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



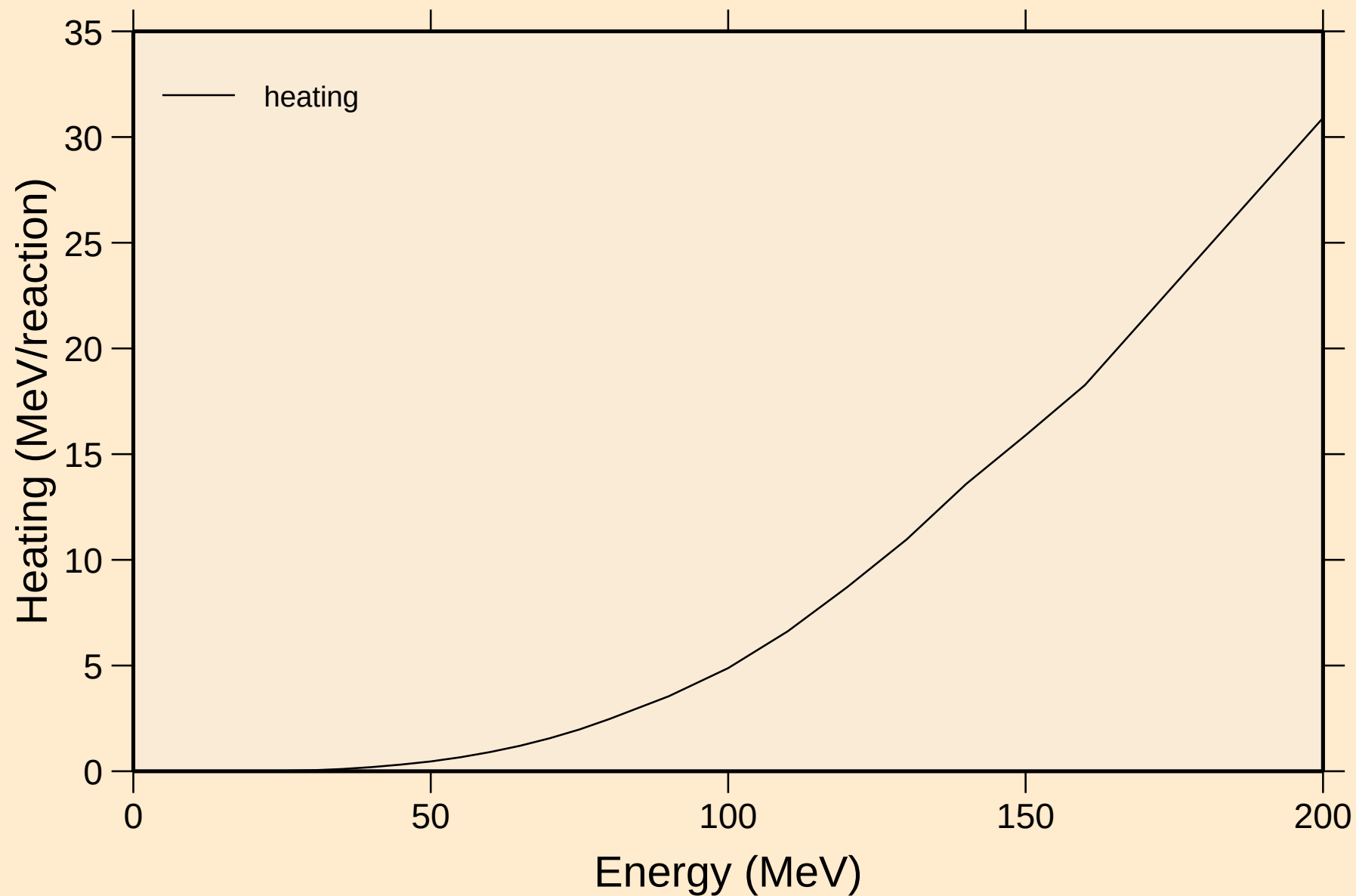
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



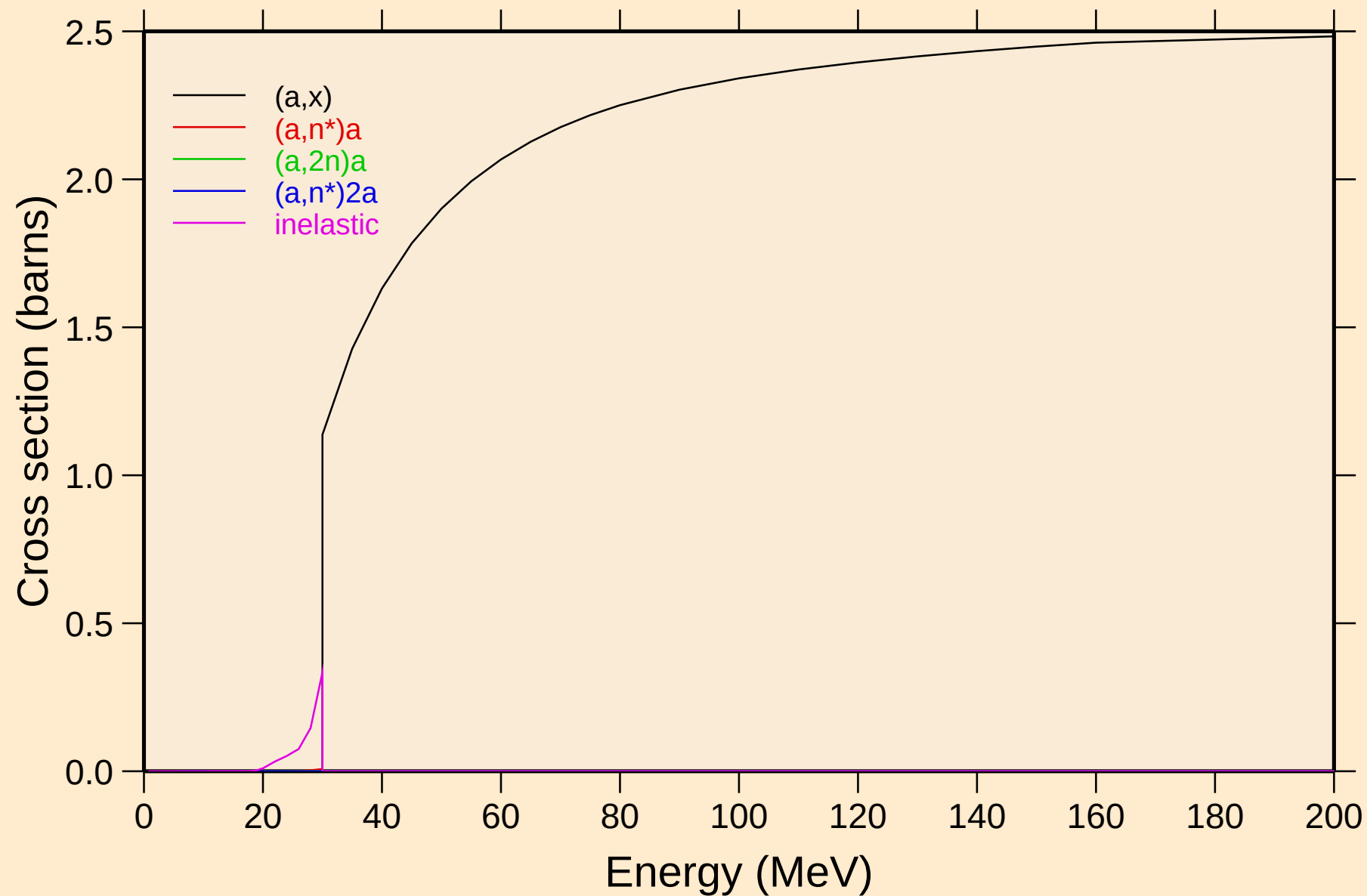
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Heating



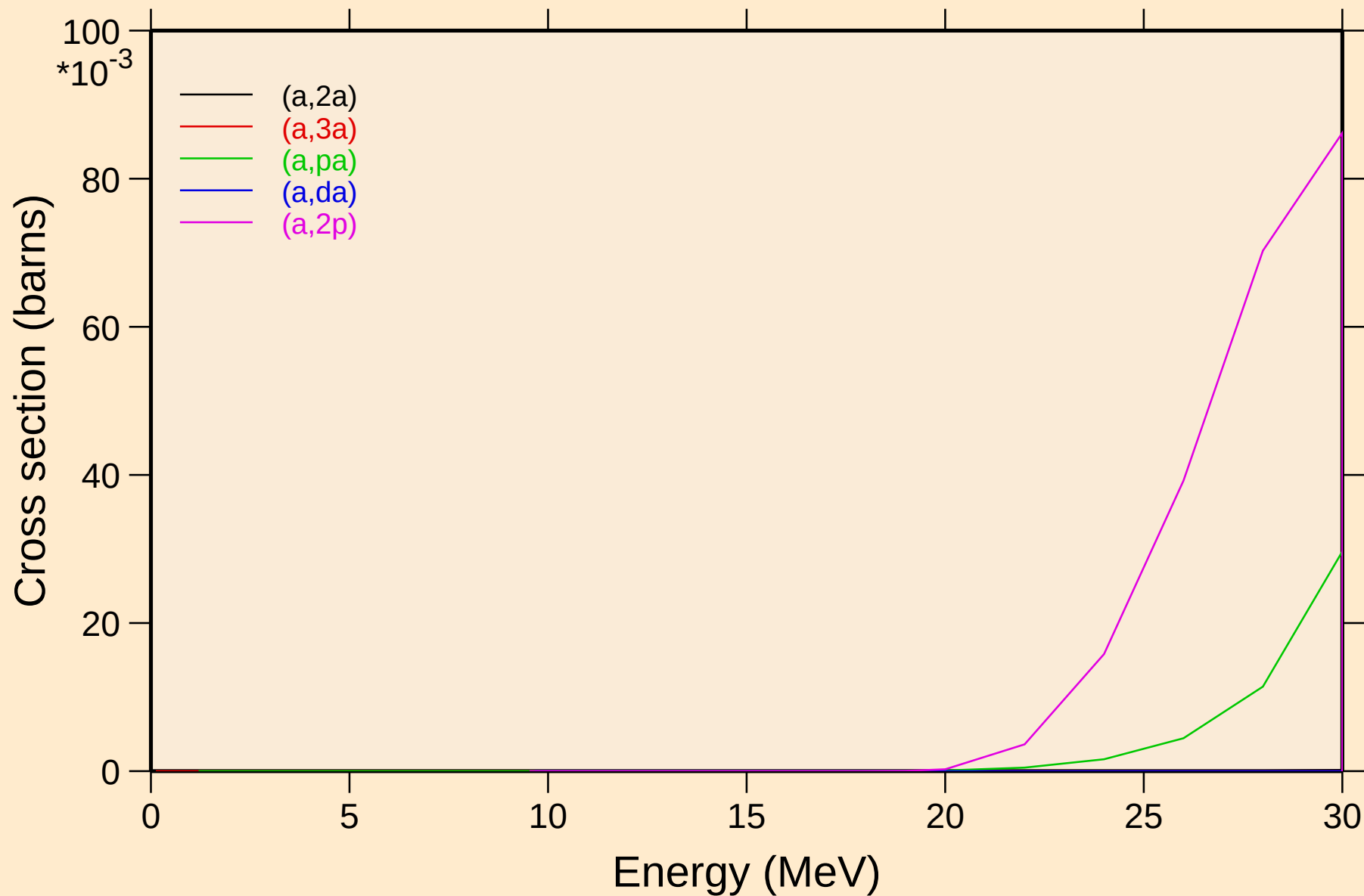
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Threshold reactions



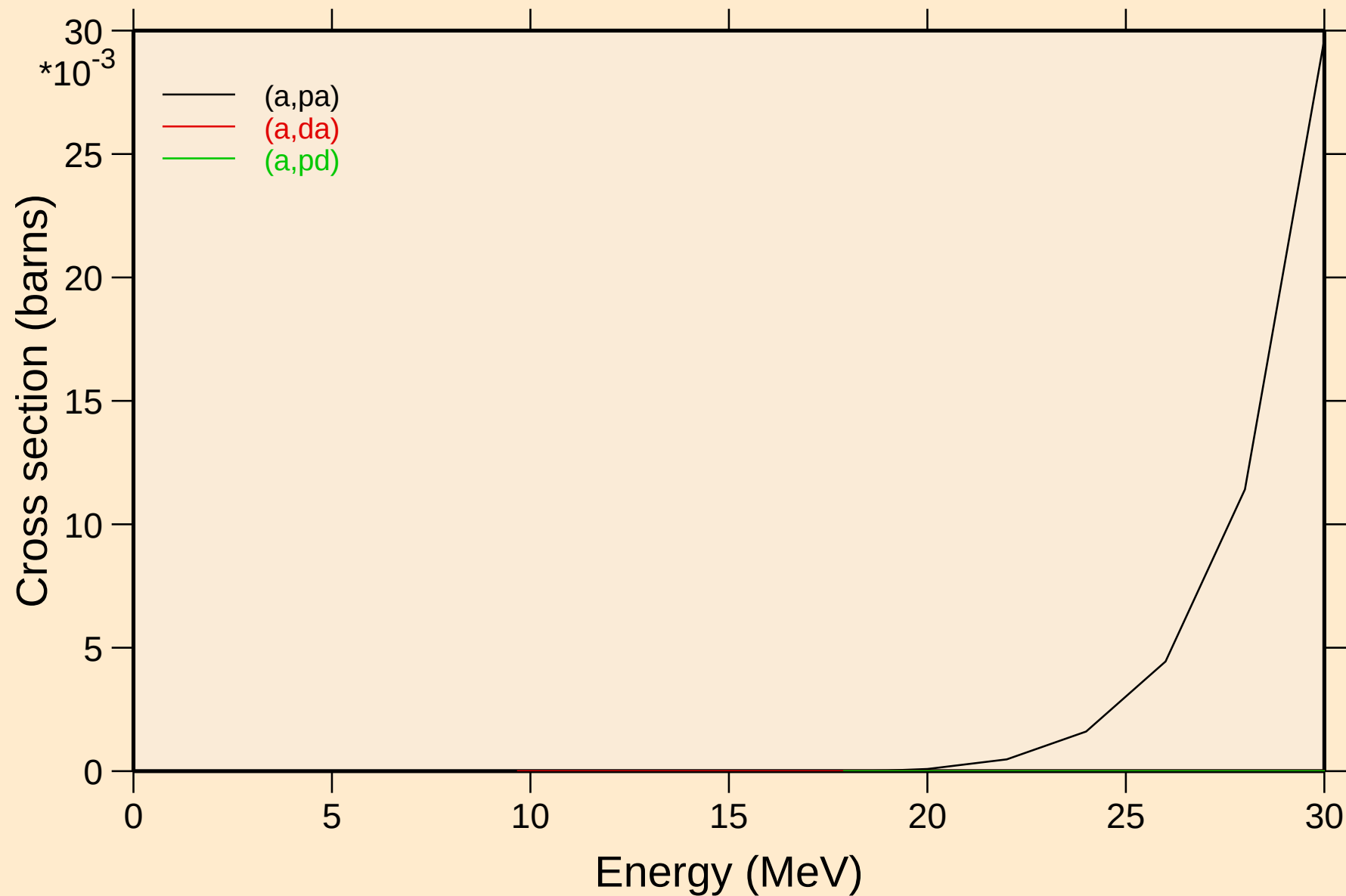
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



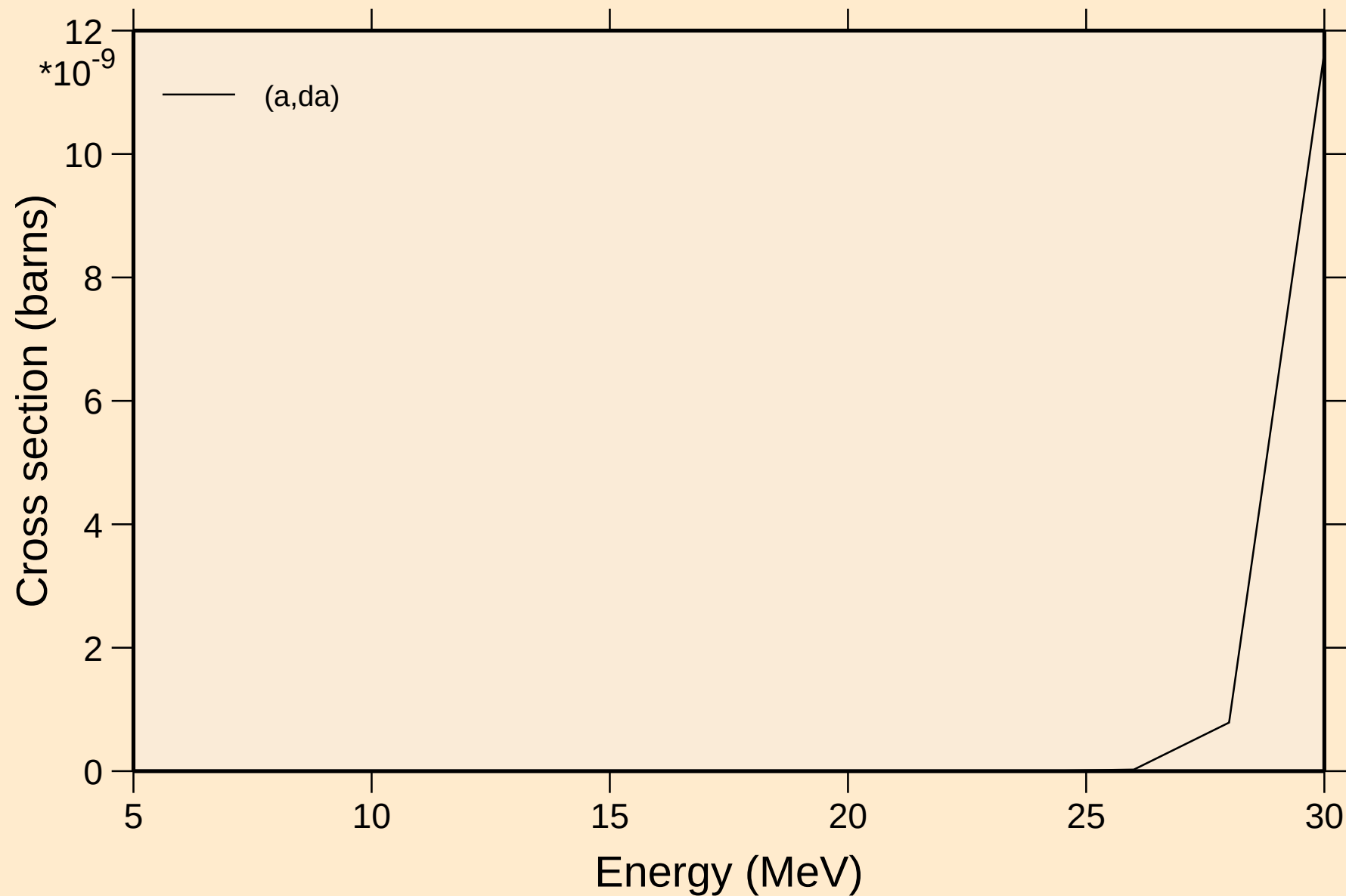
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

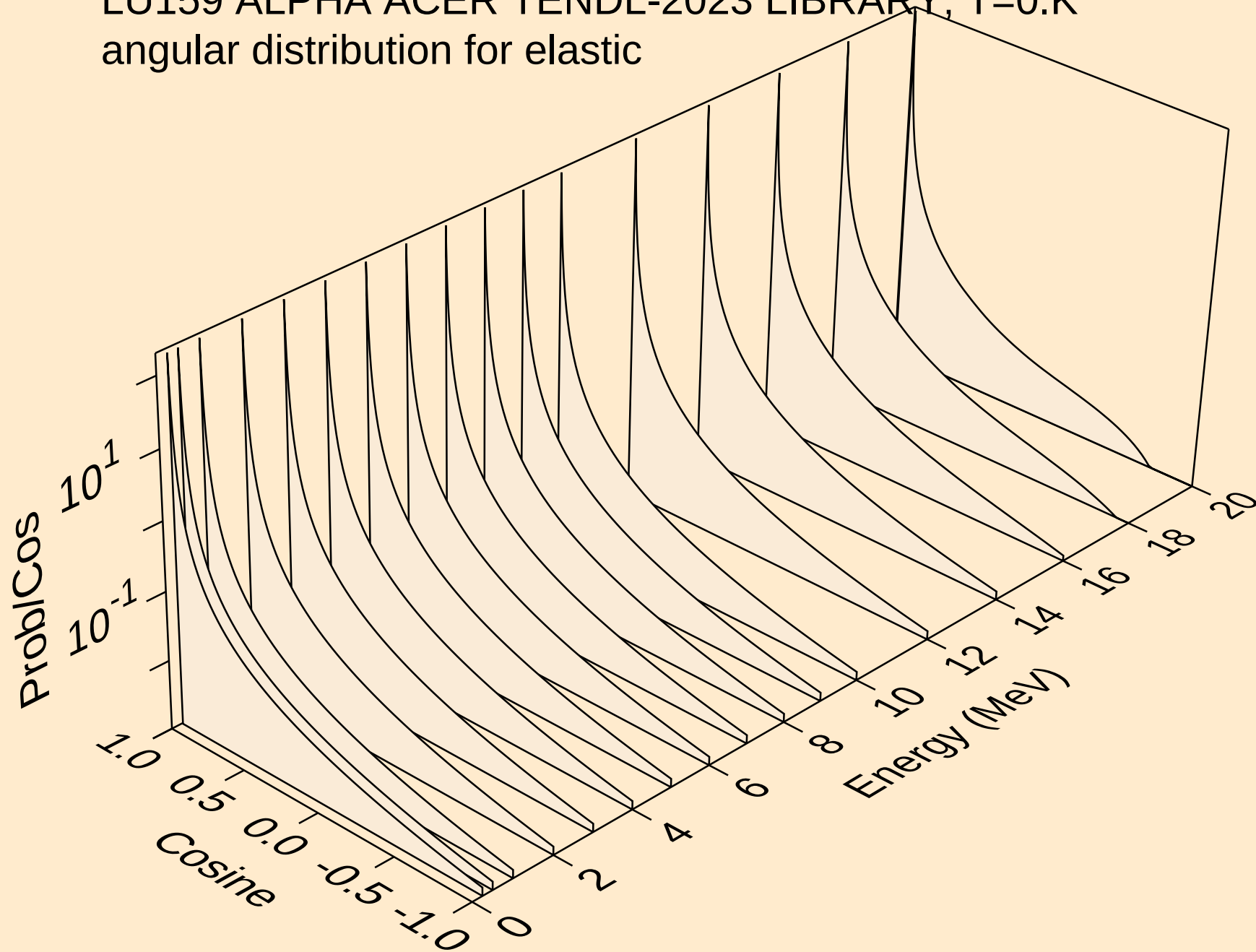


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

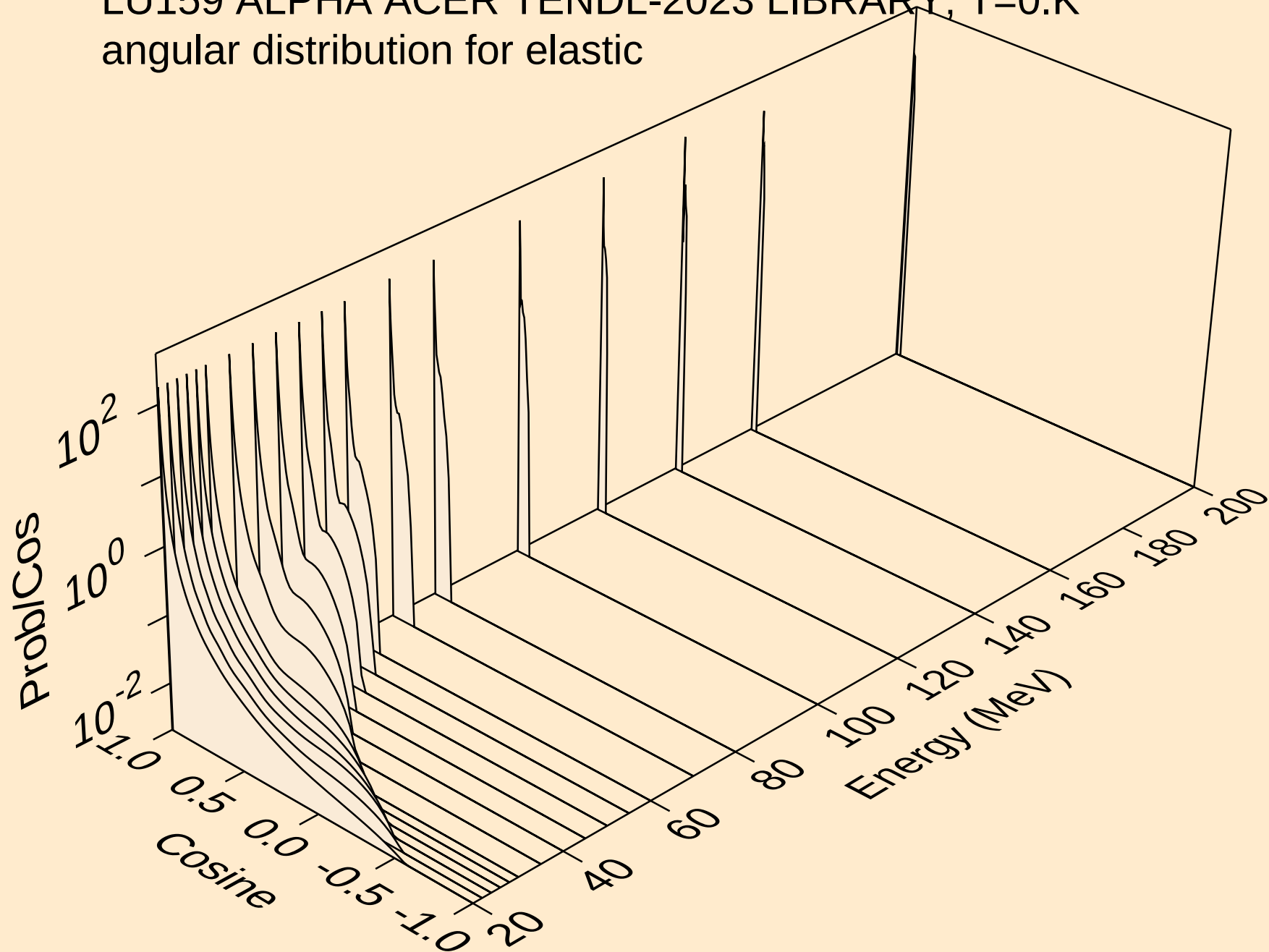
Threshold reactions



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

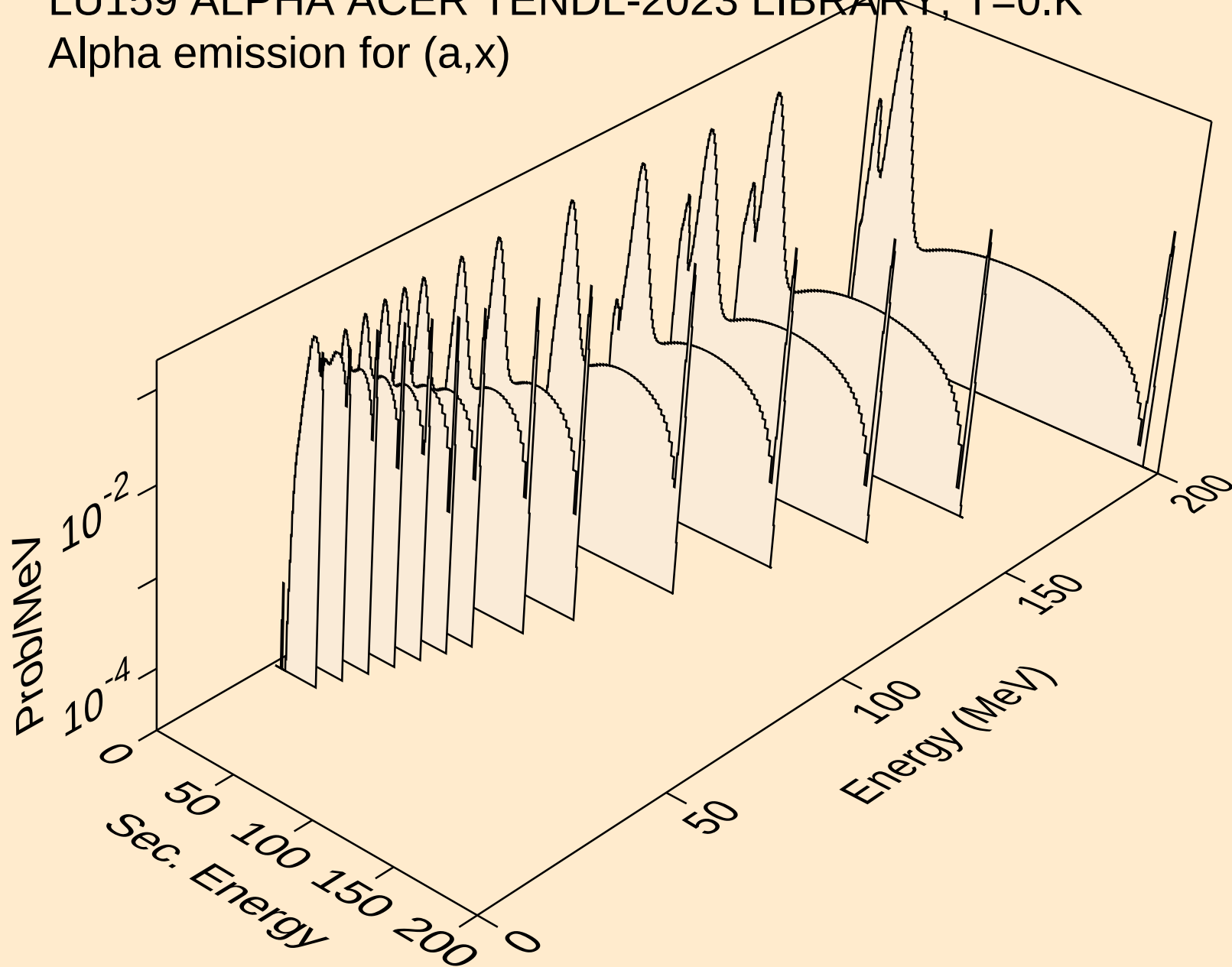


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



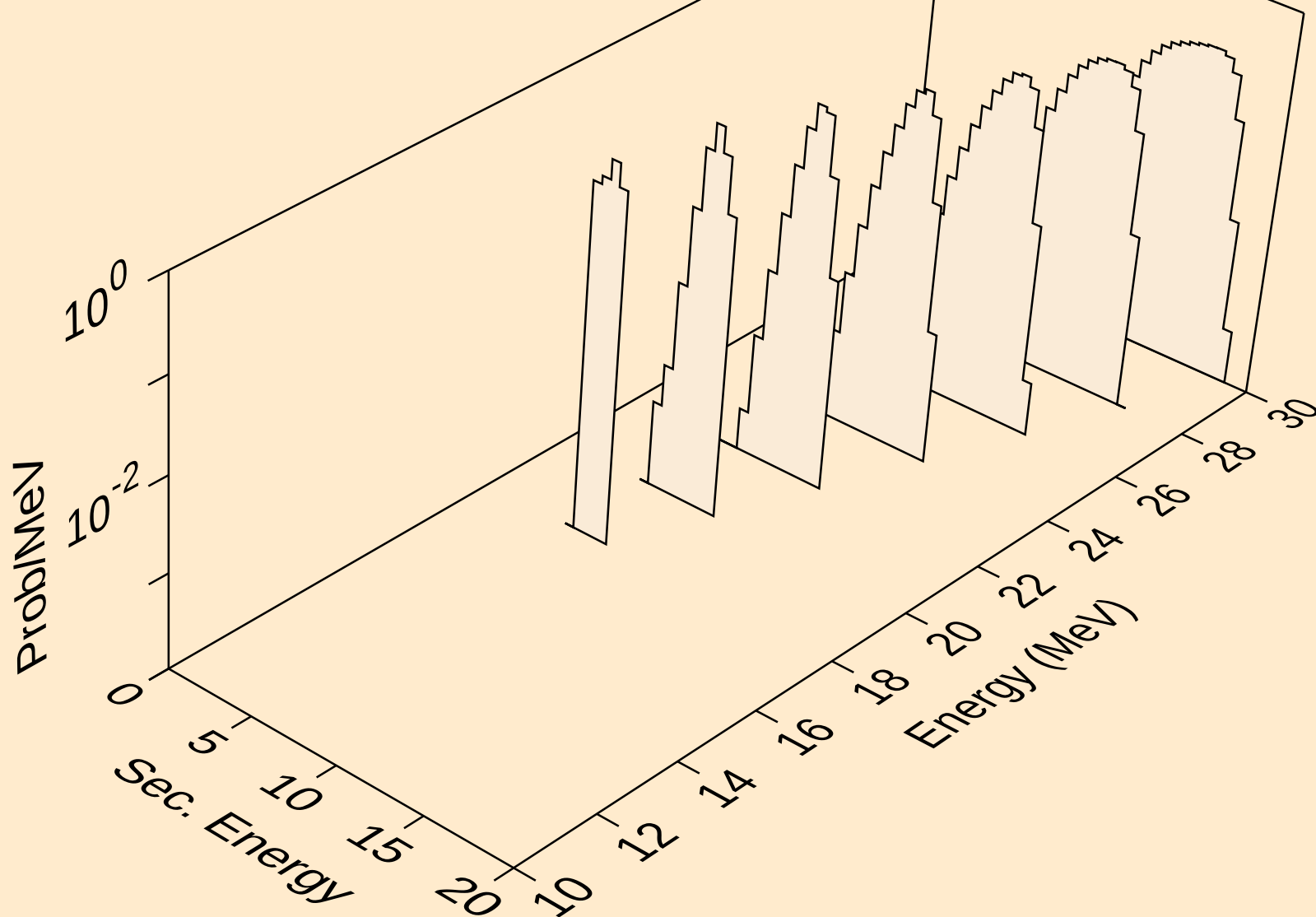
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



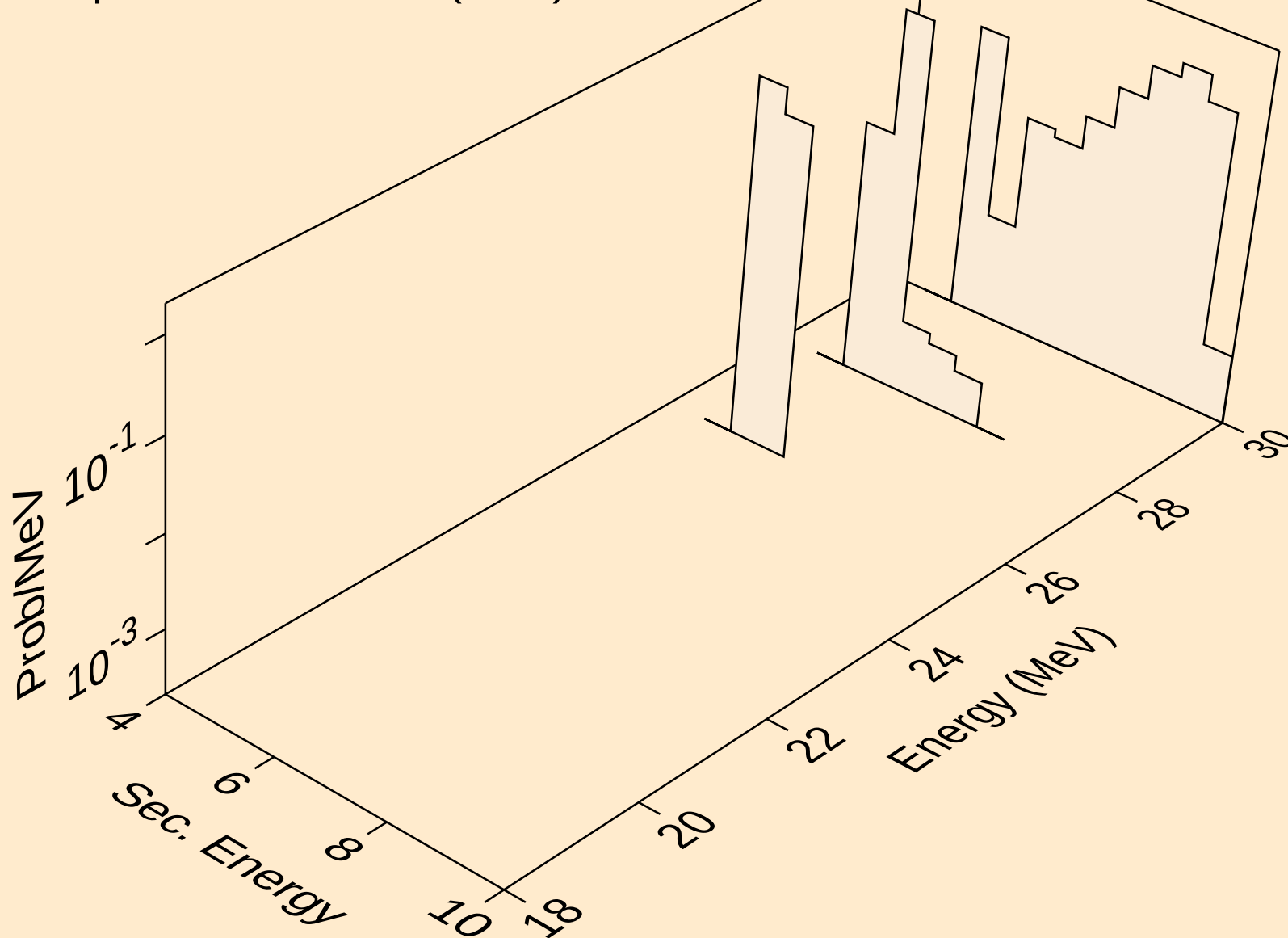
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a



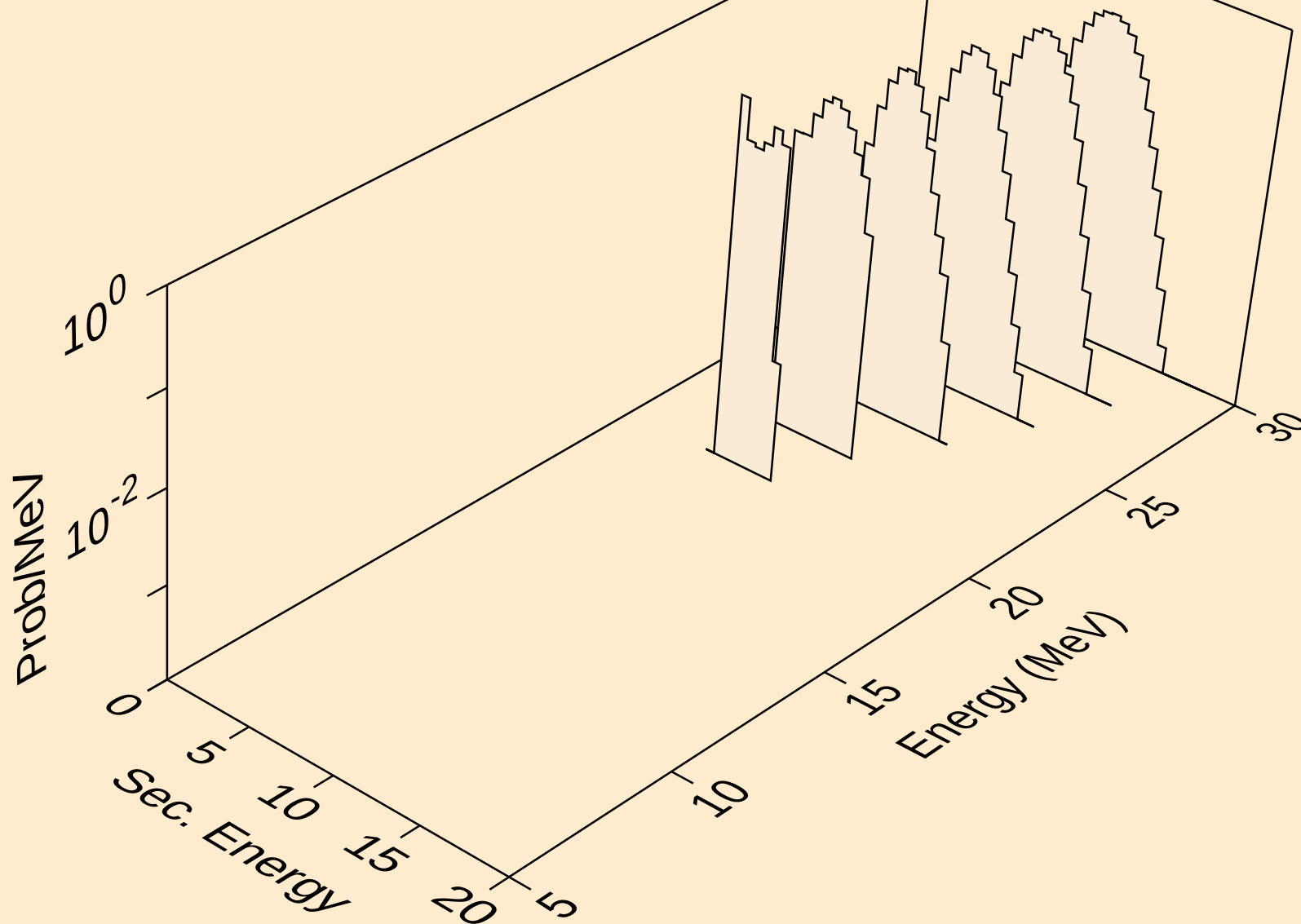
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



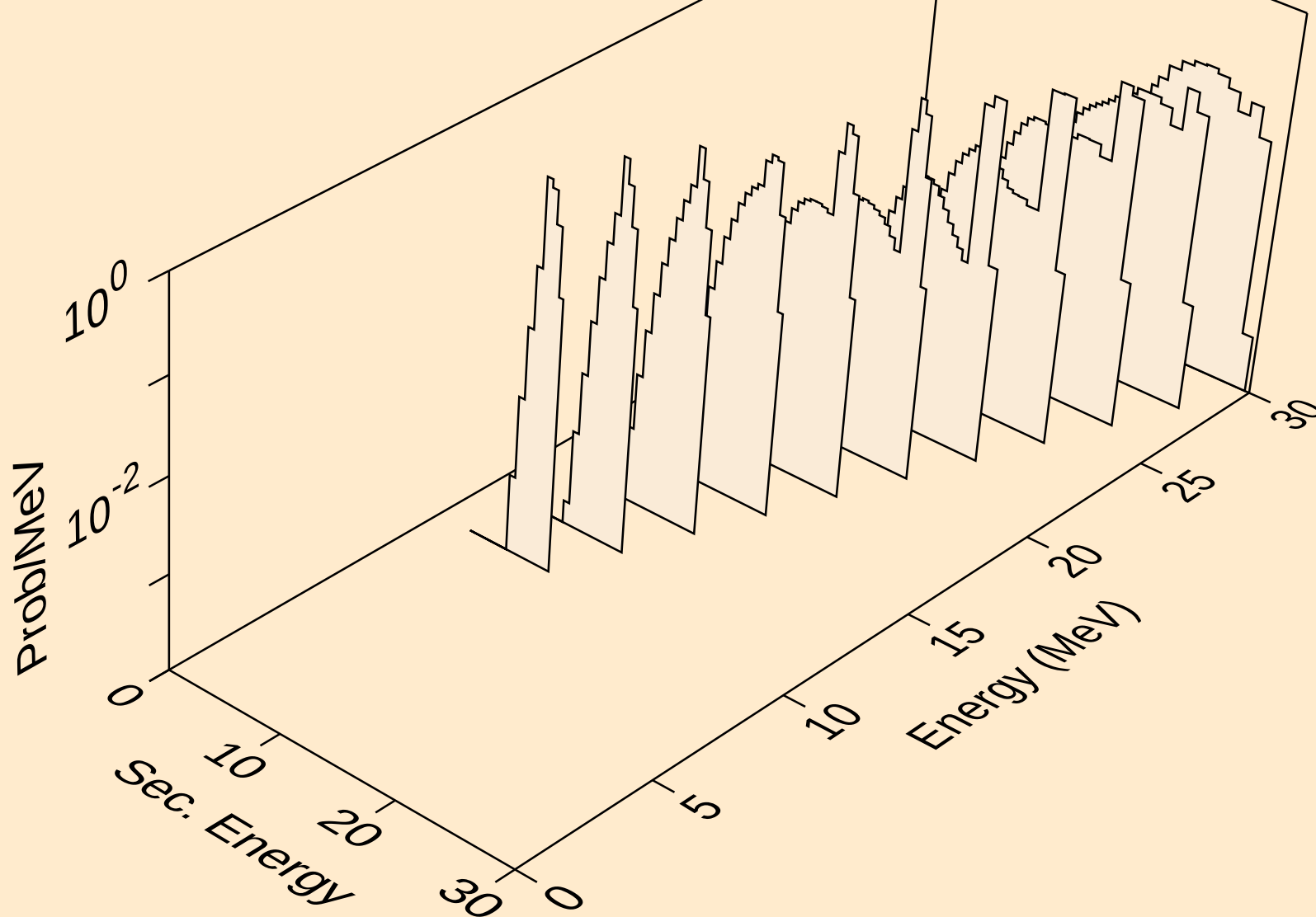
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)2a



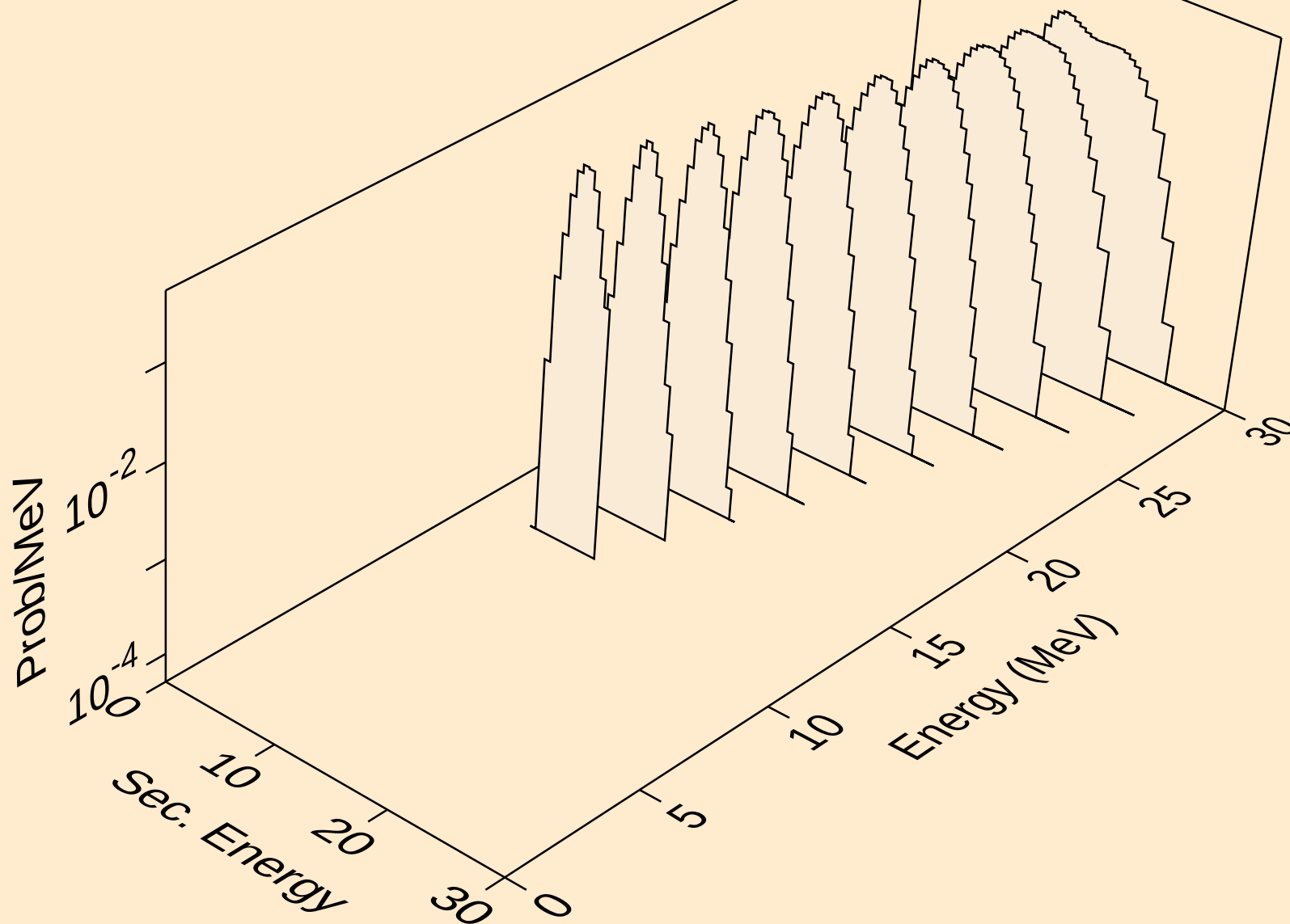
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic



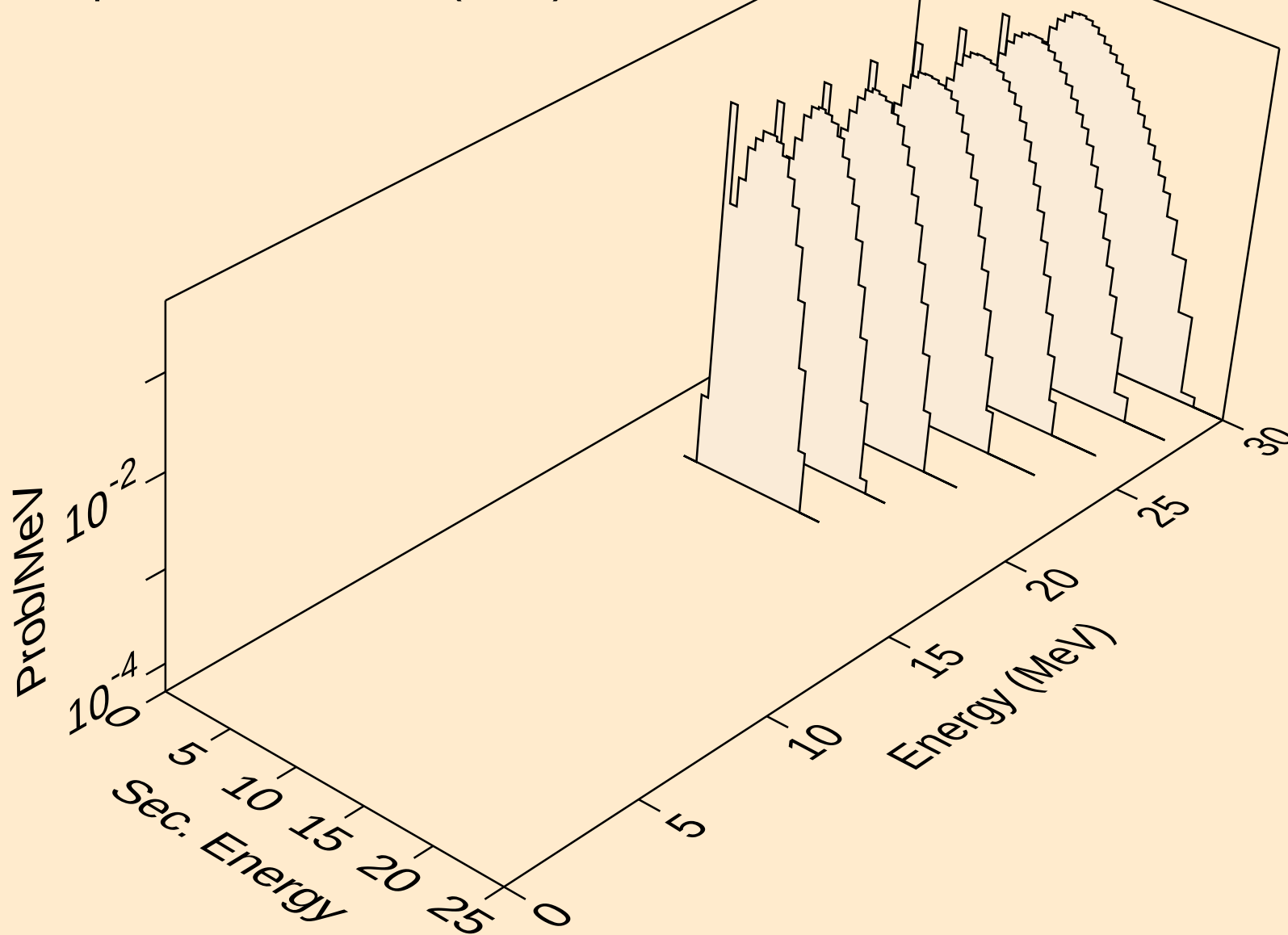
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2a)



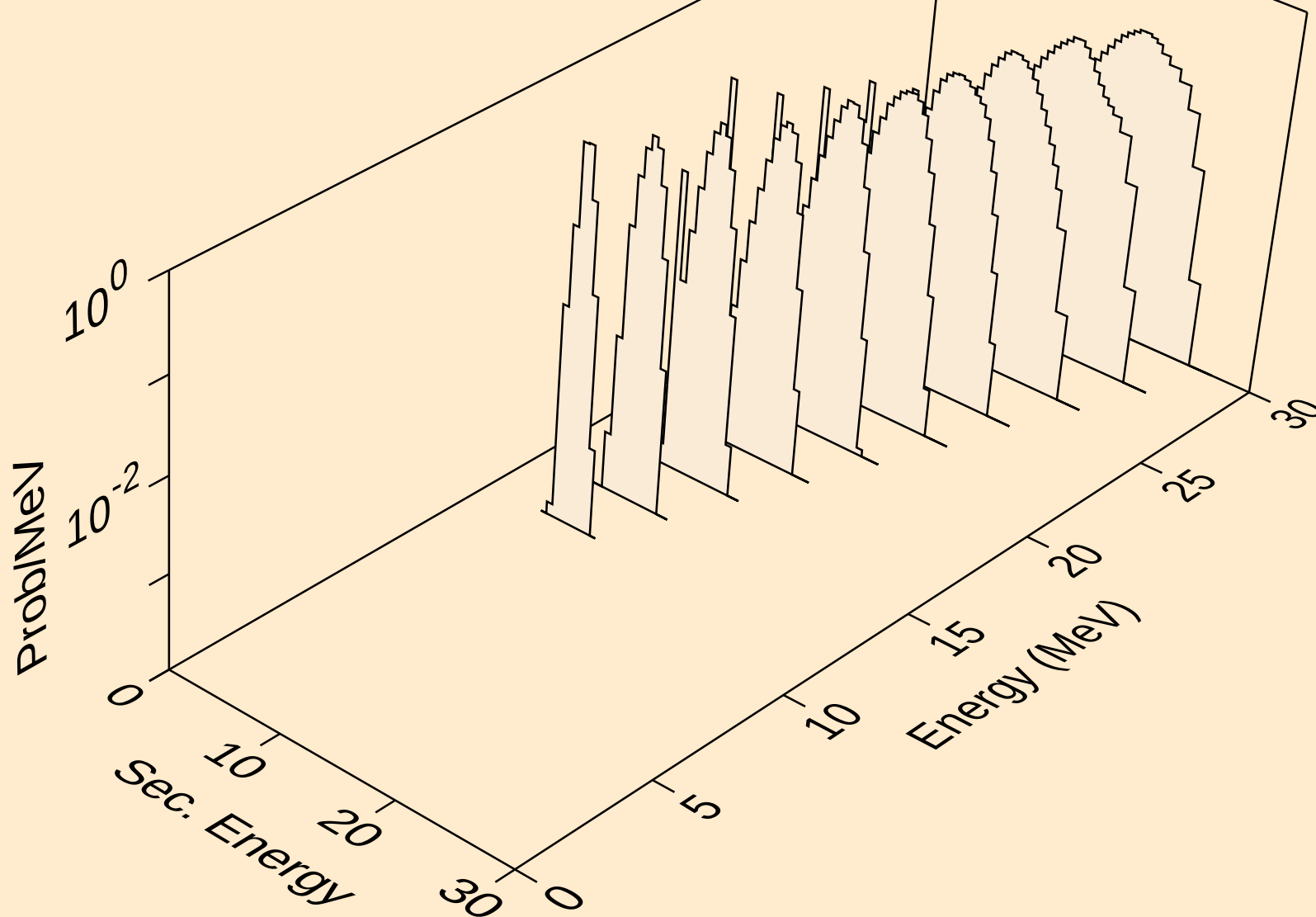
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3a)



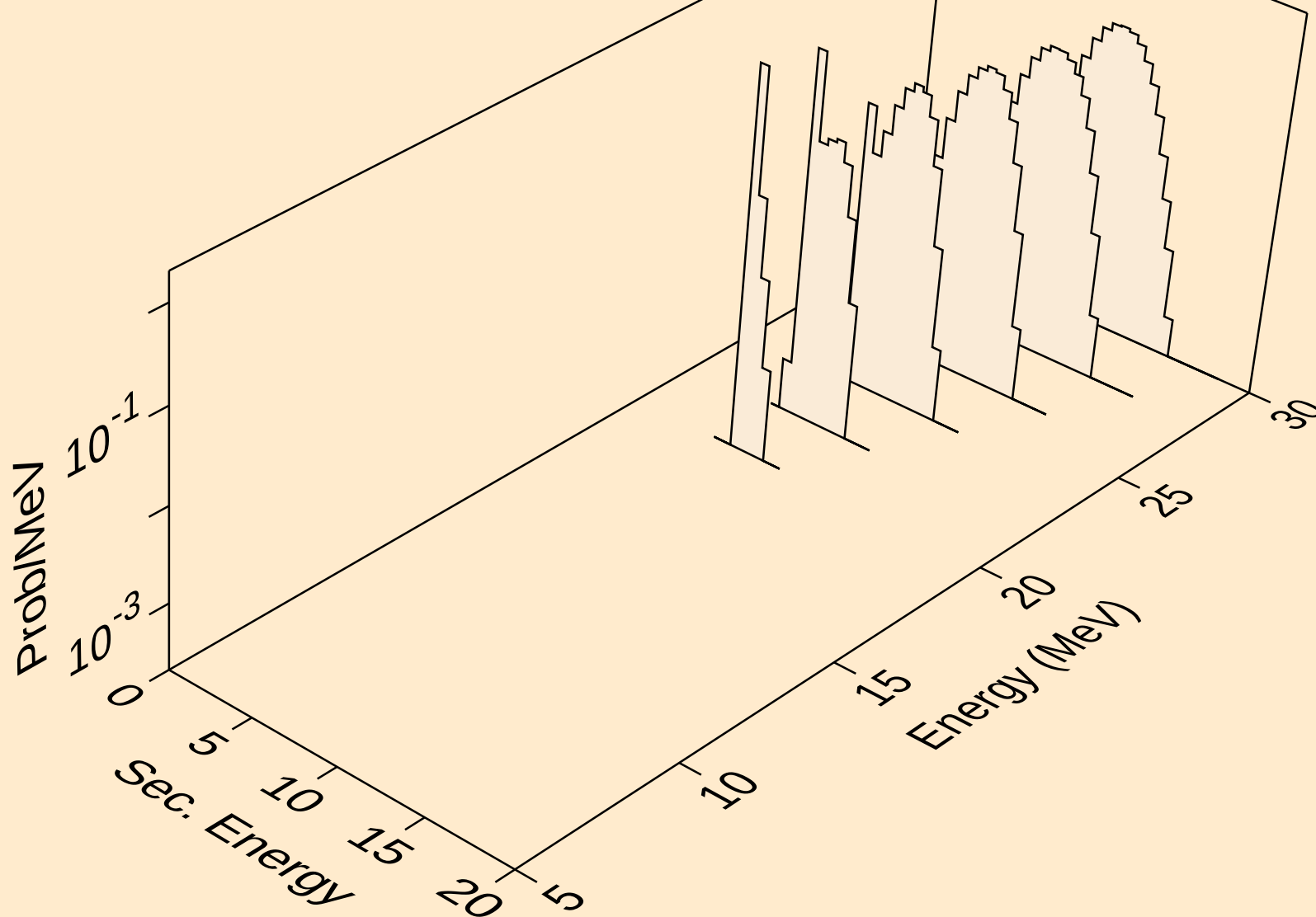
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,pa)

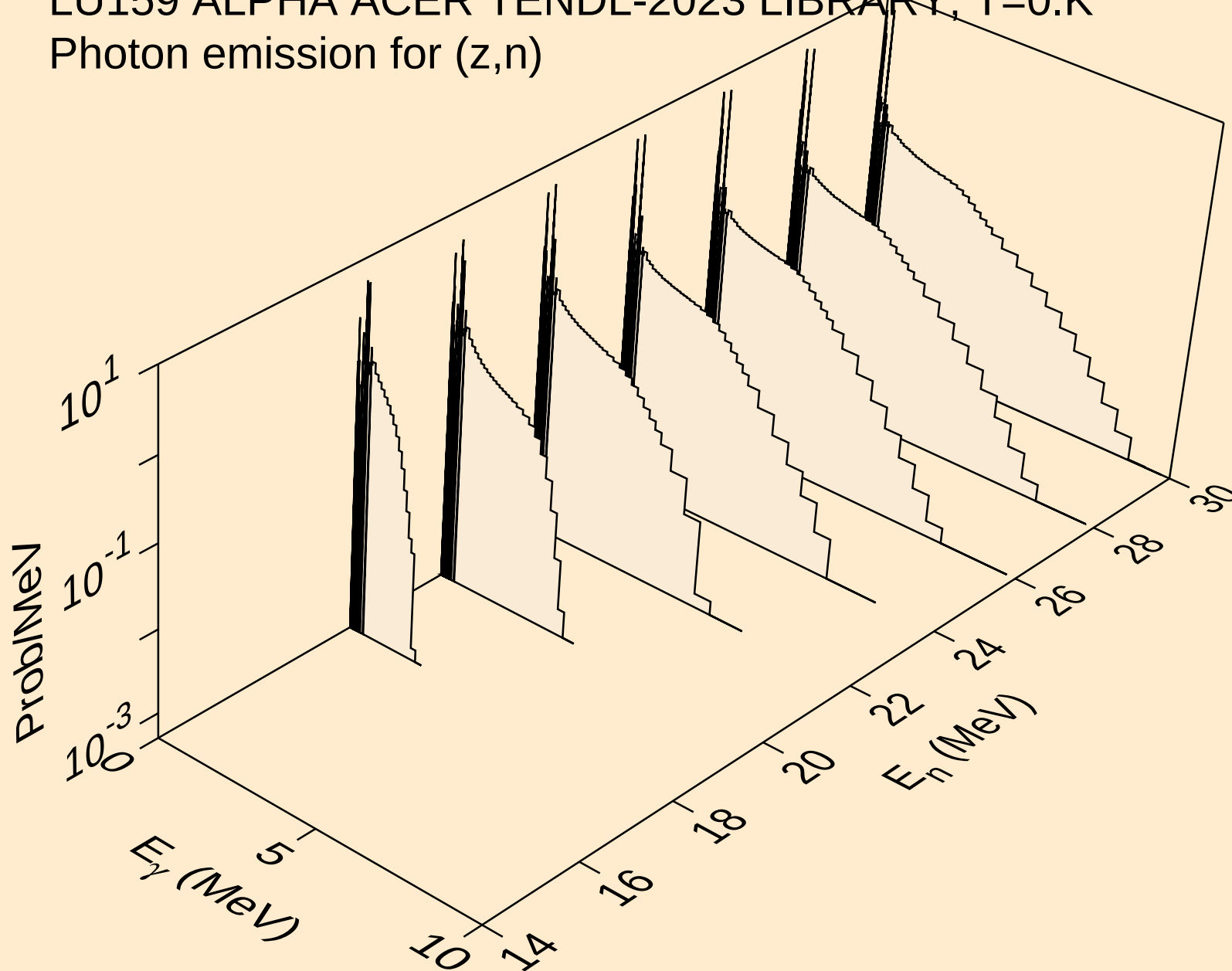


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,da)

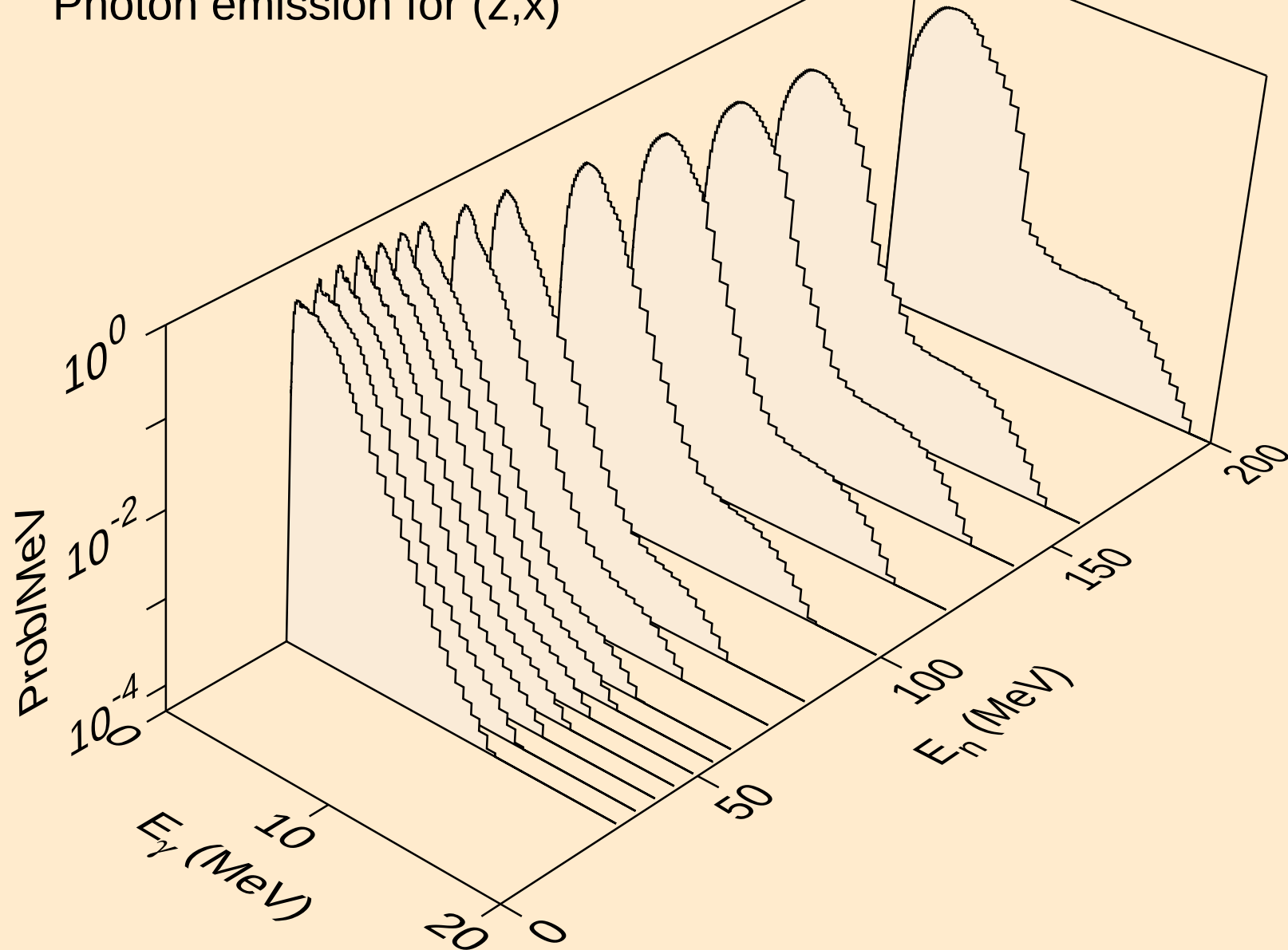


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

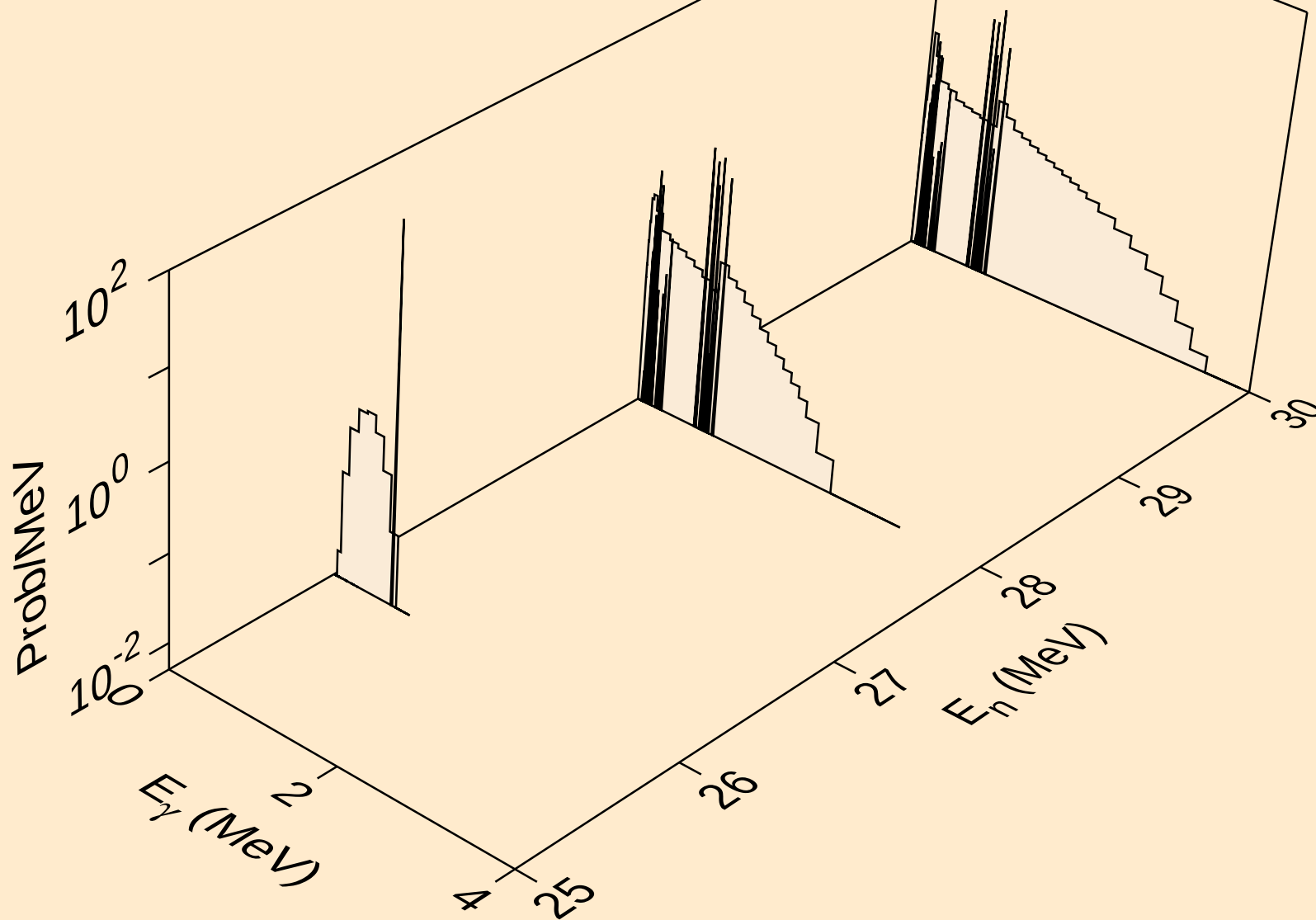


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

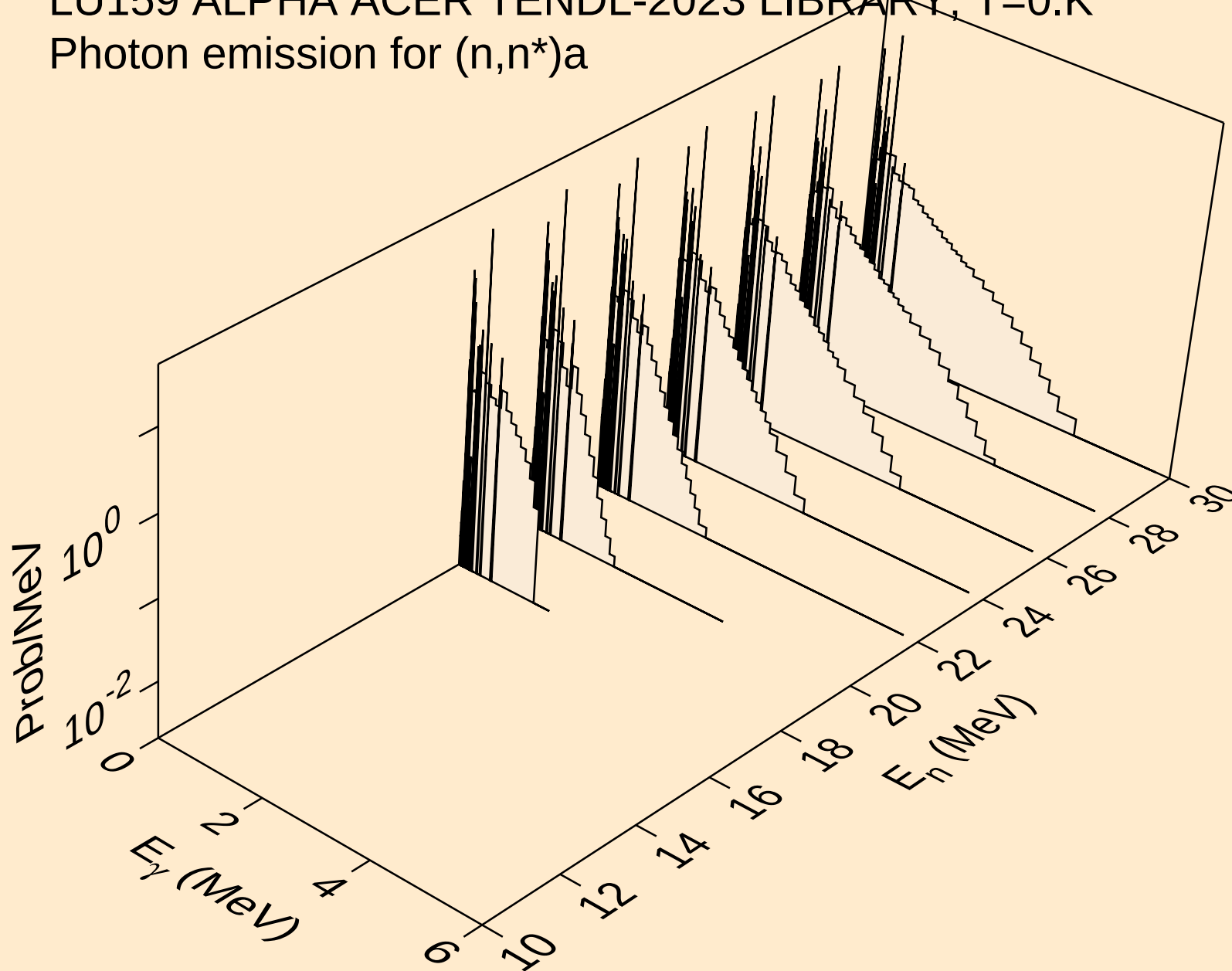


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



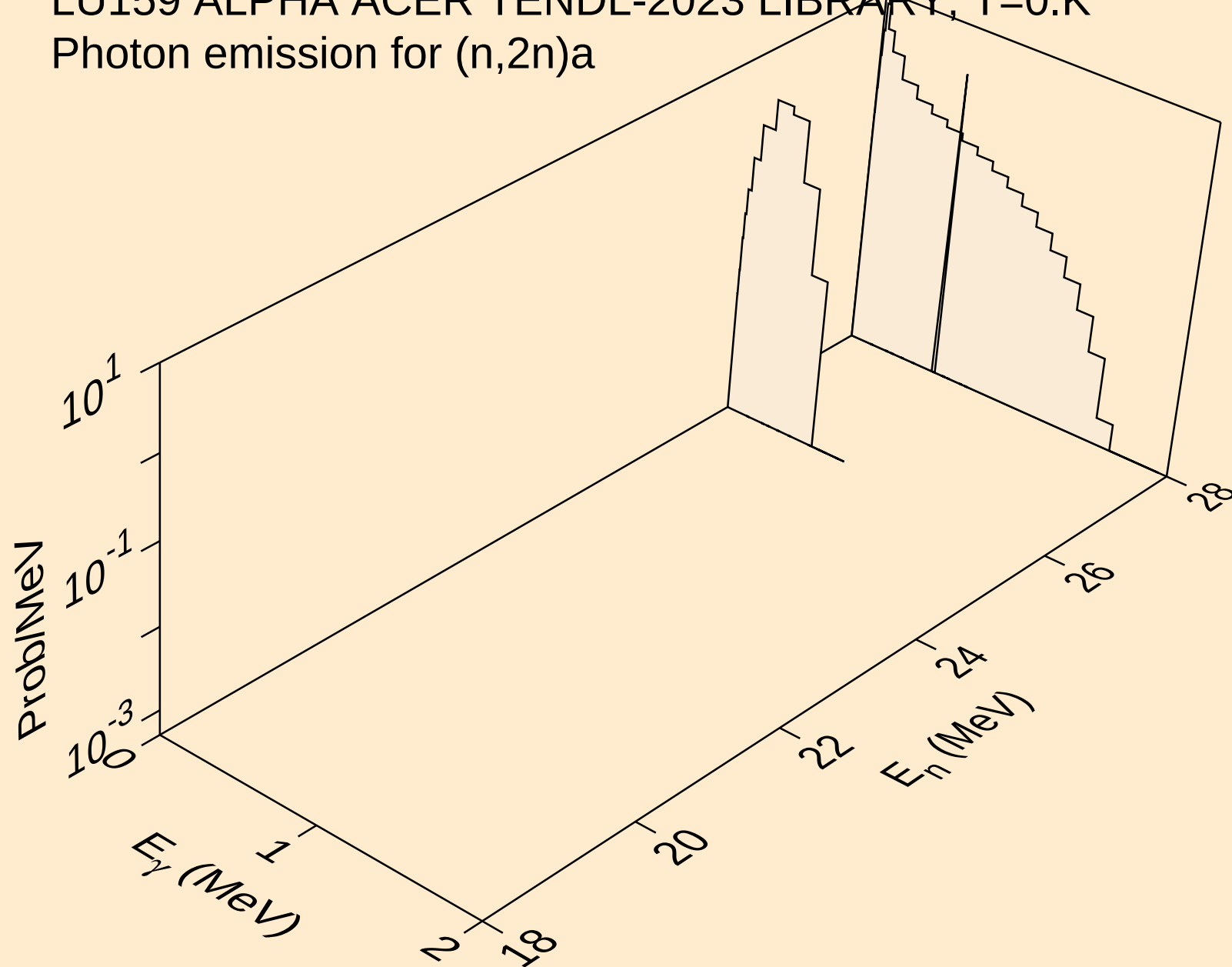
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



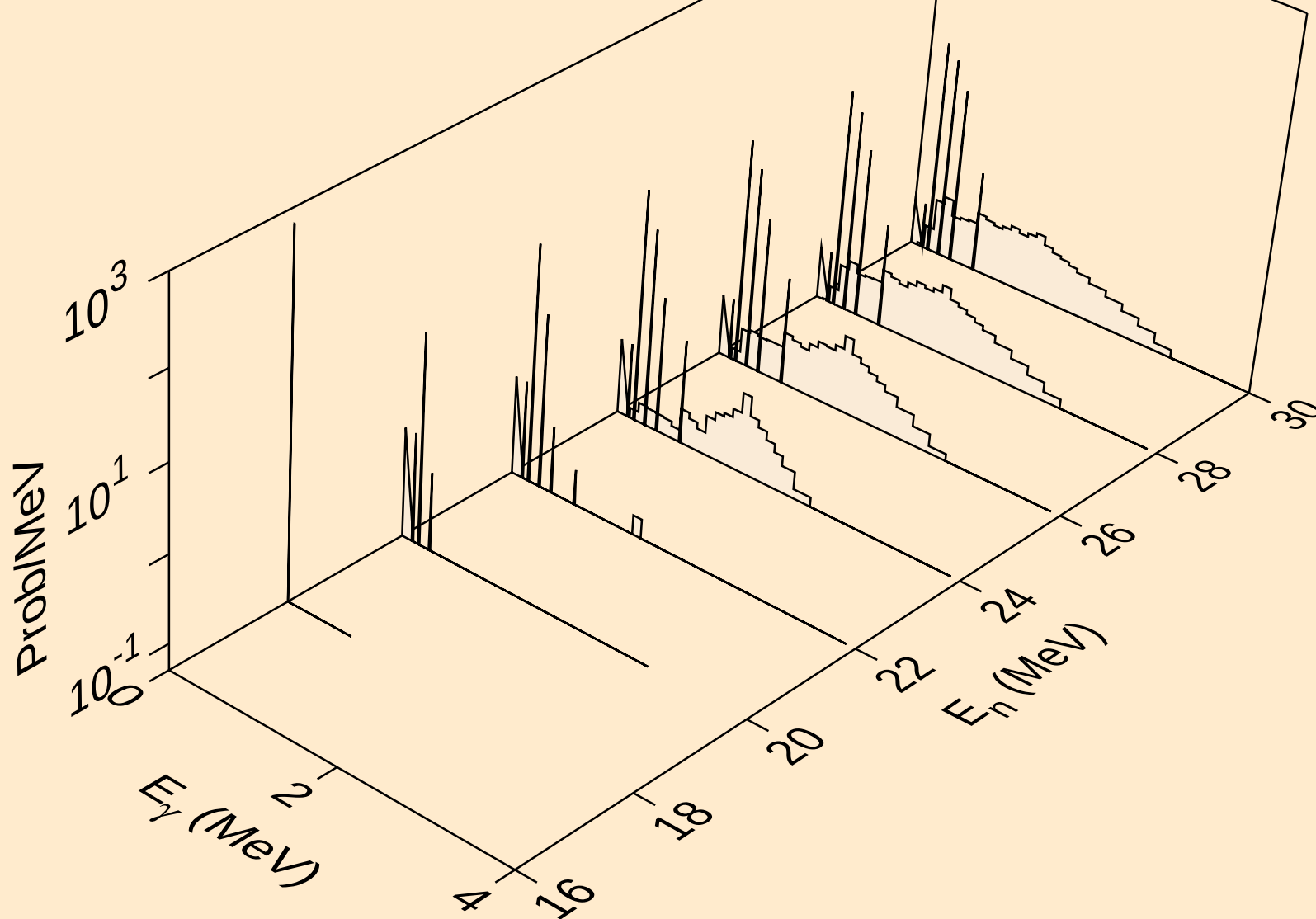
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



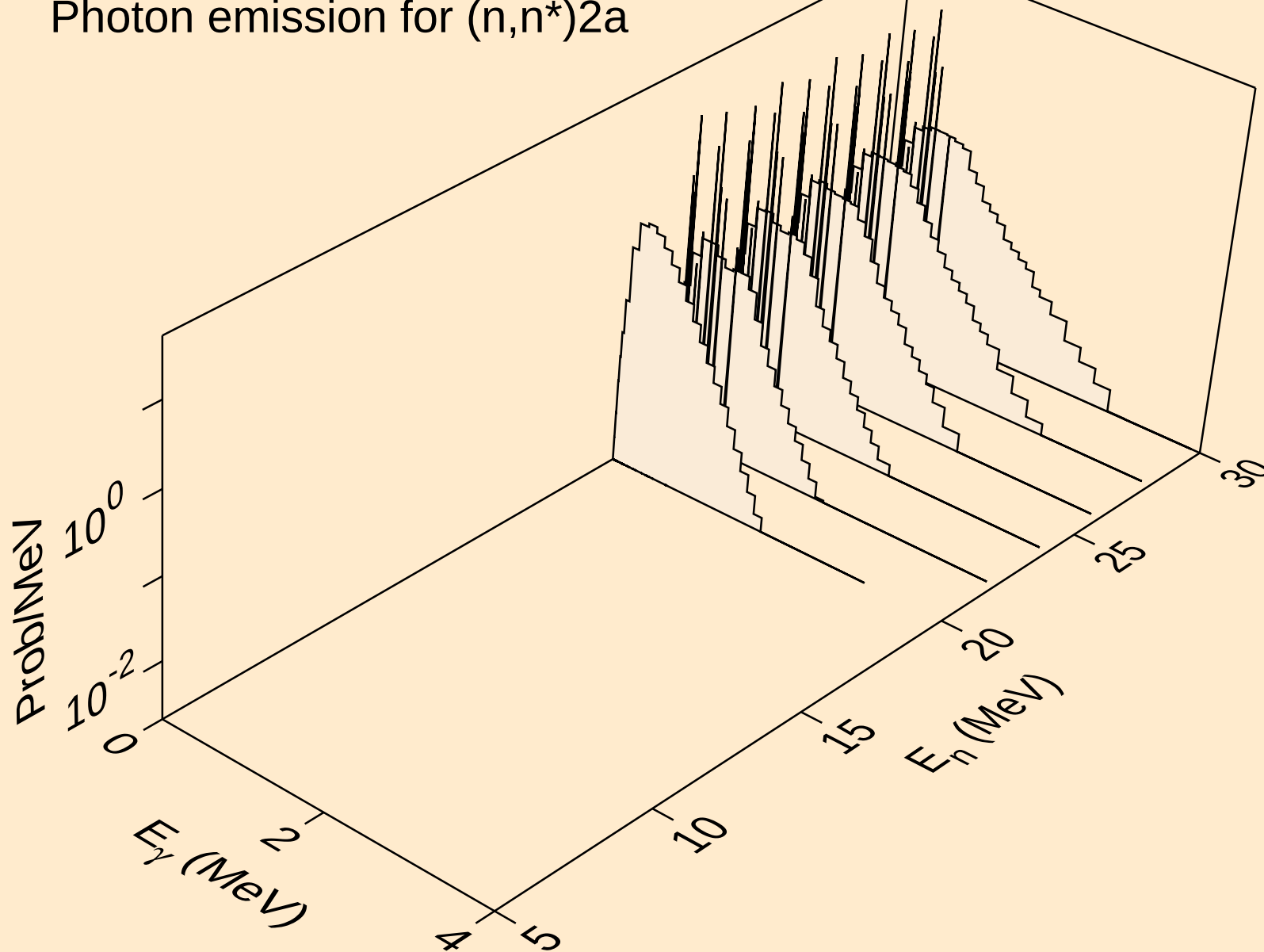
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



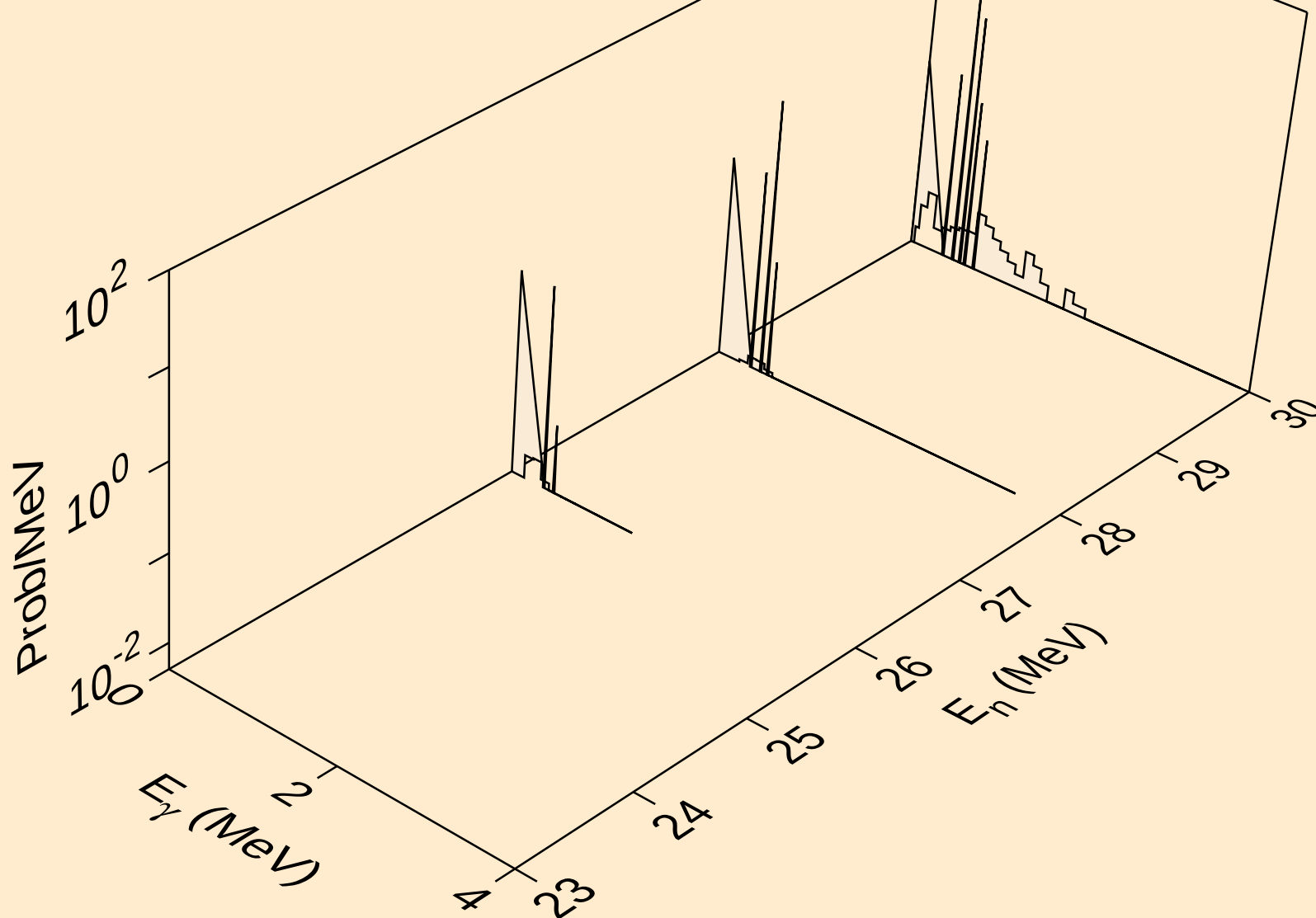
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a

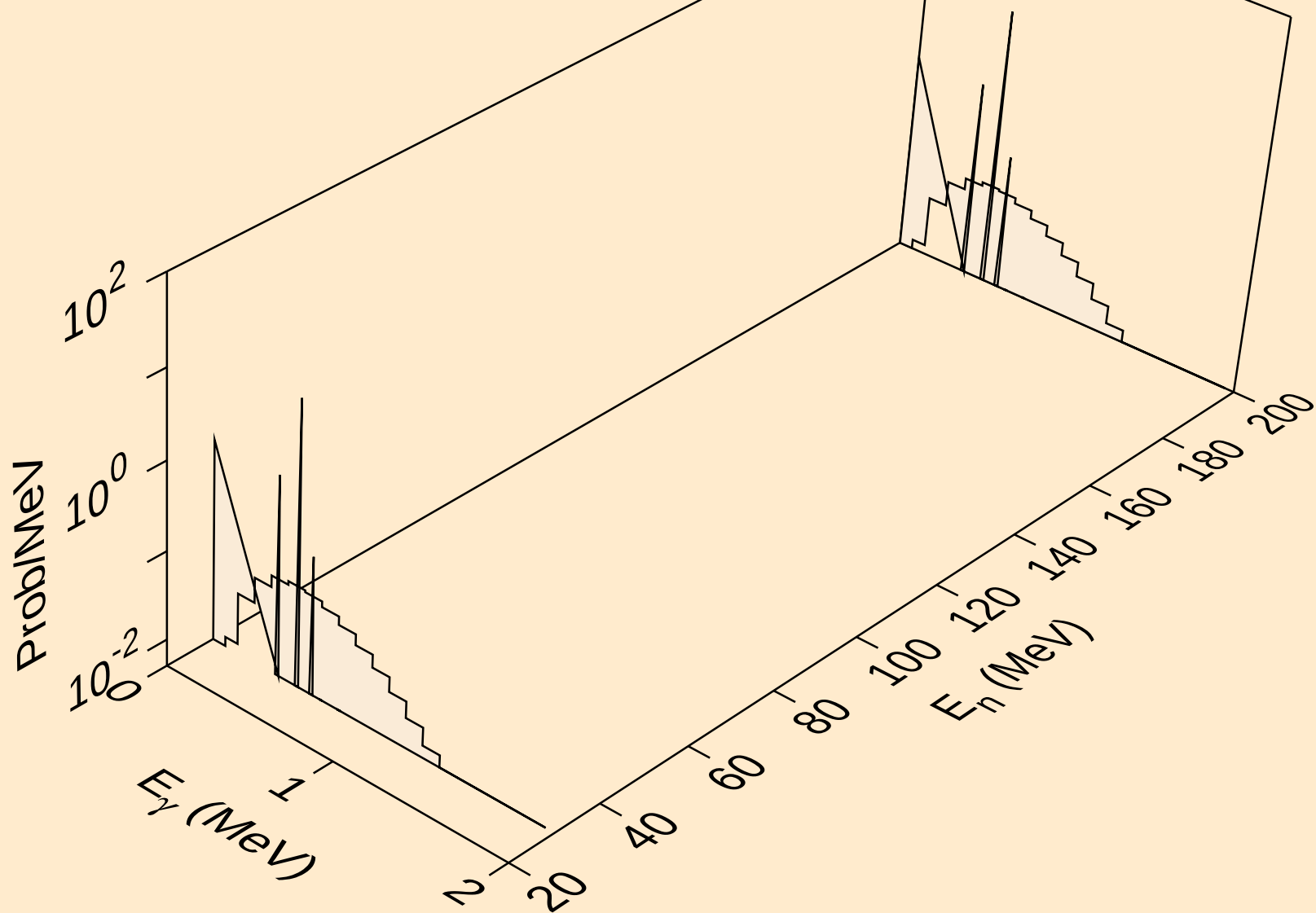


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

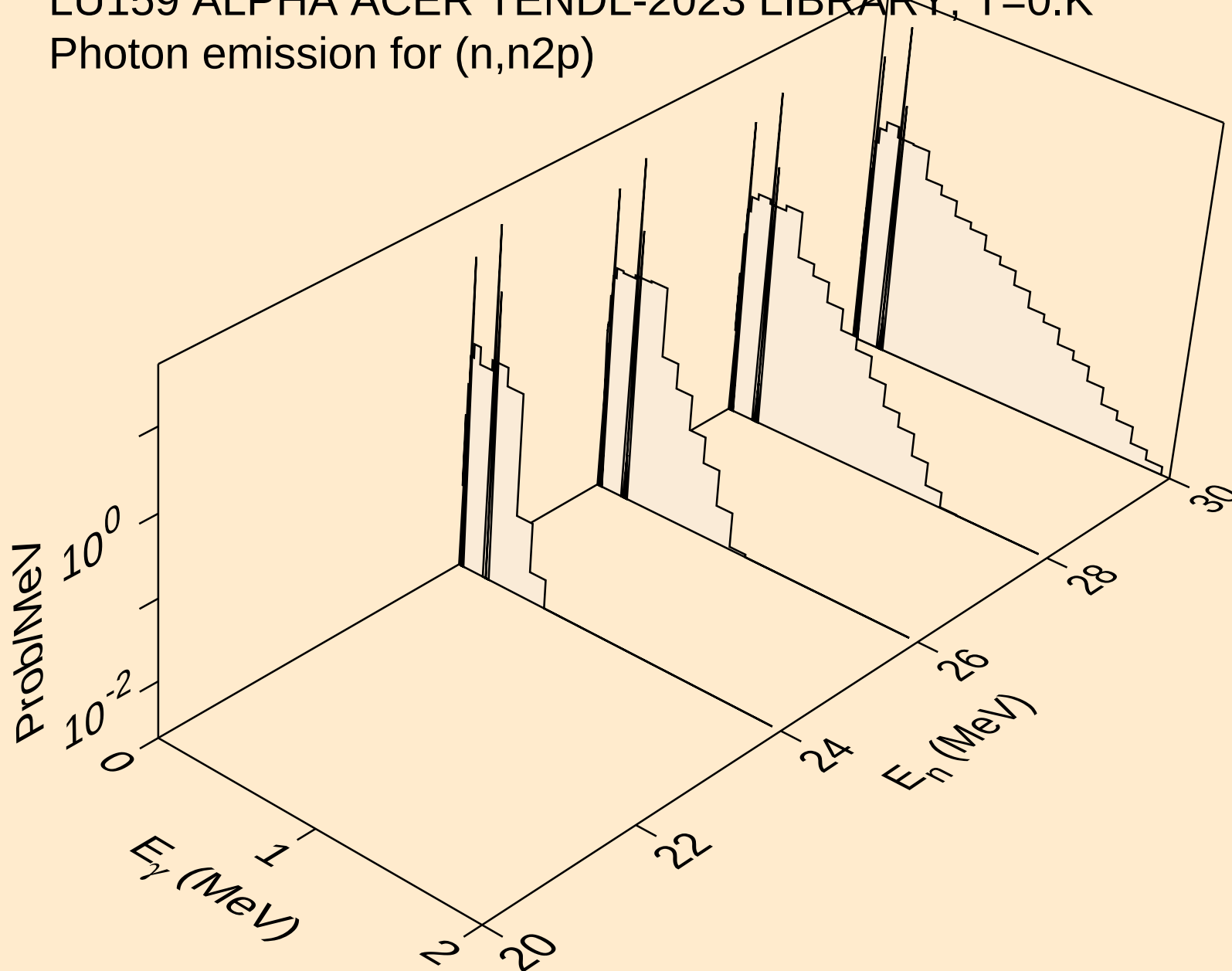
Photon emission for (n,n*)d



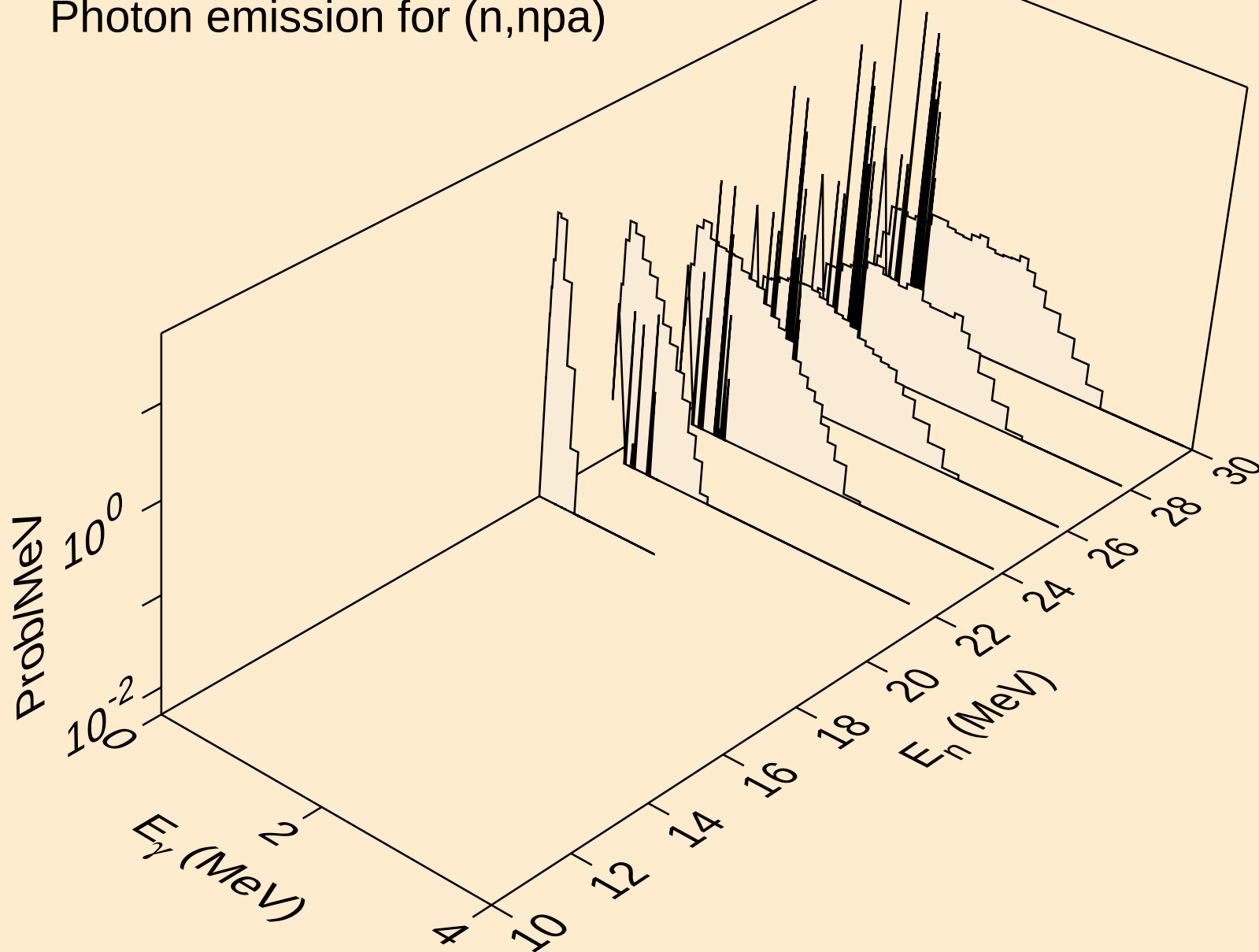
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



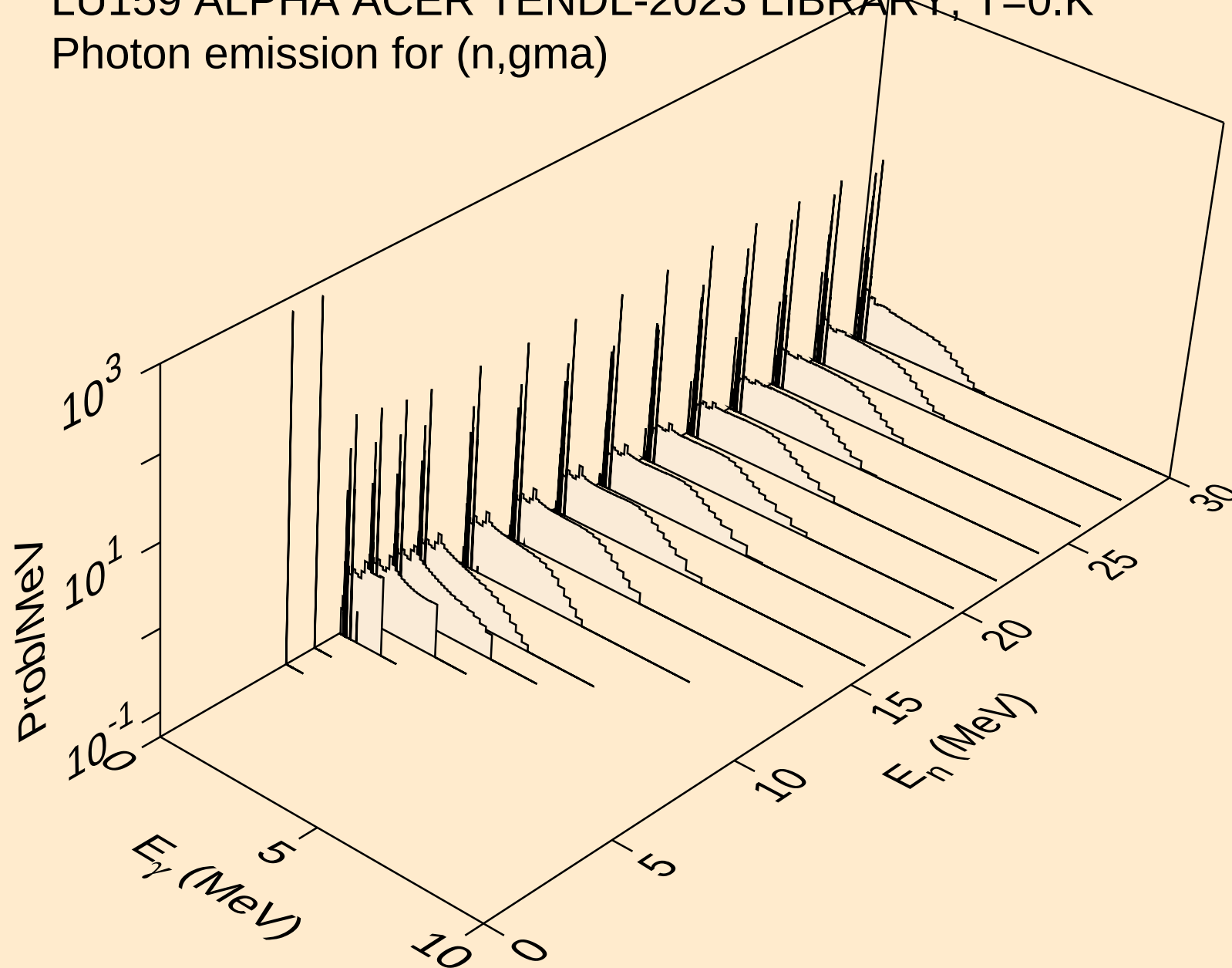
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)

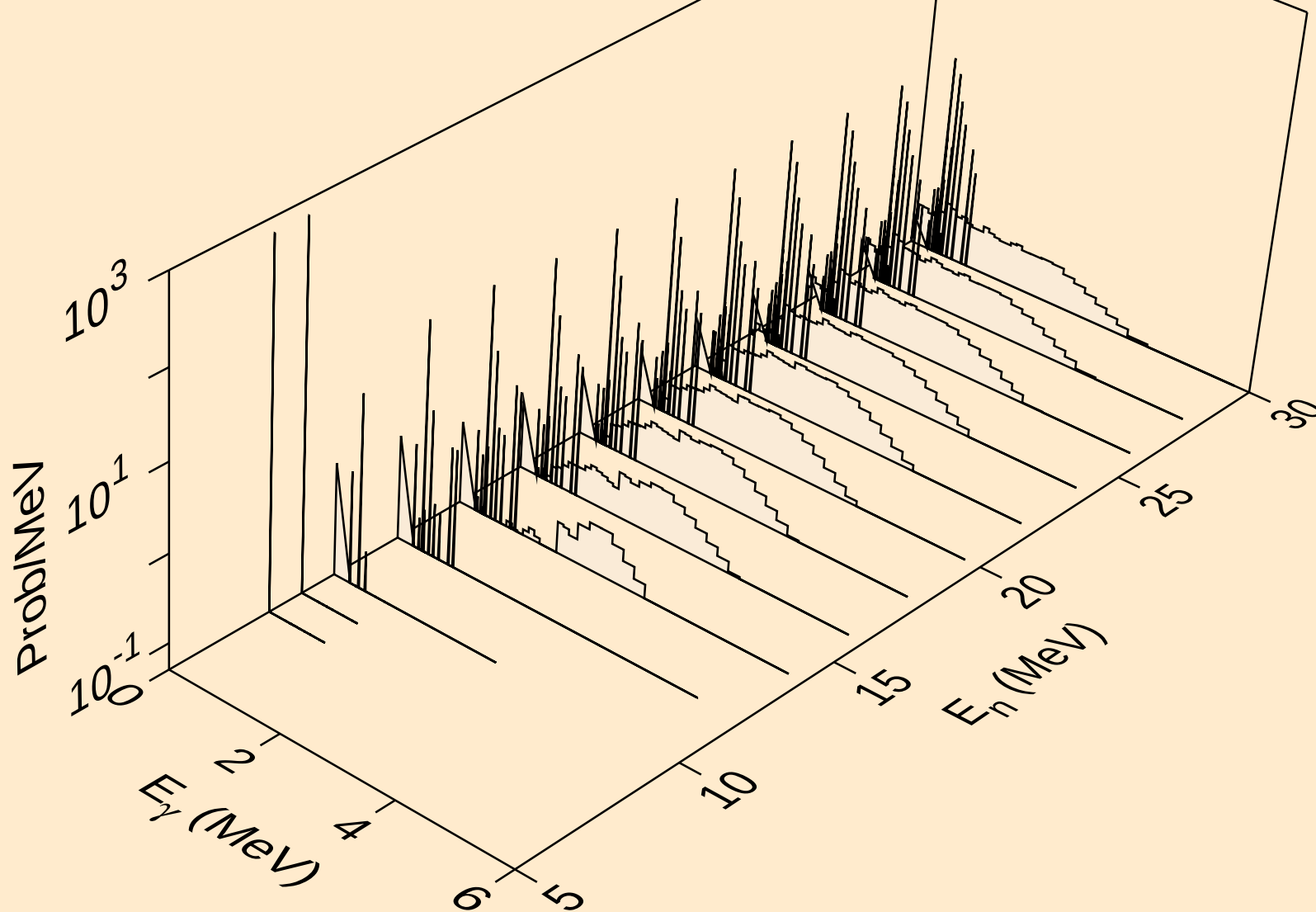


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Photon emission for (n,gma)



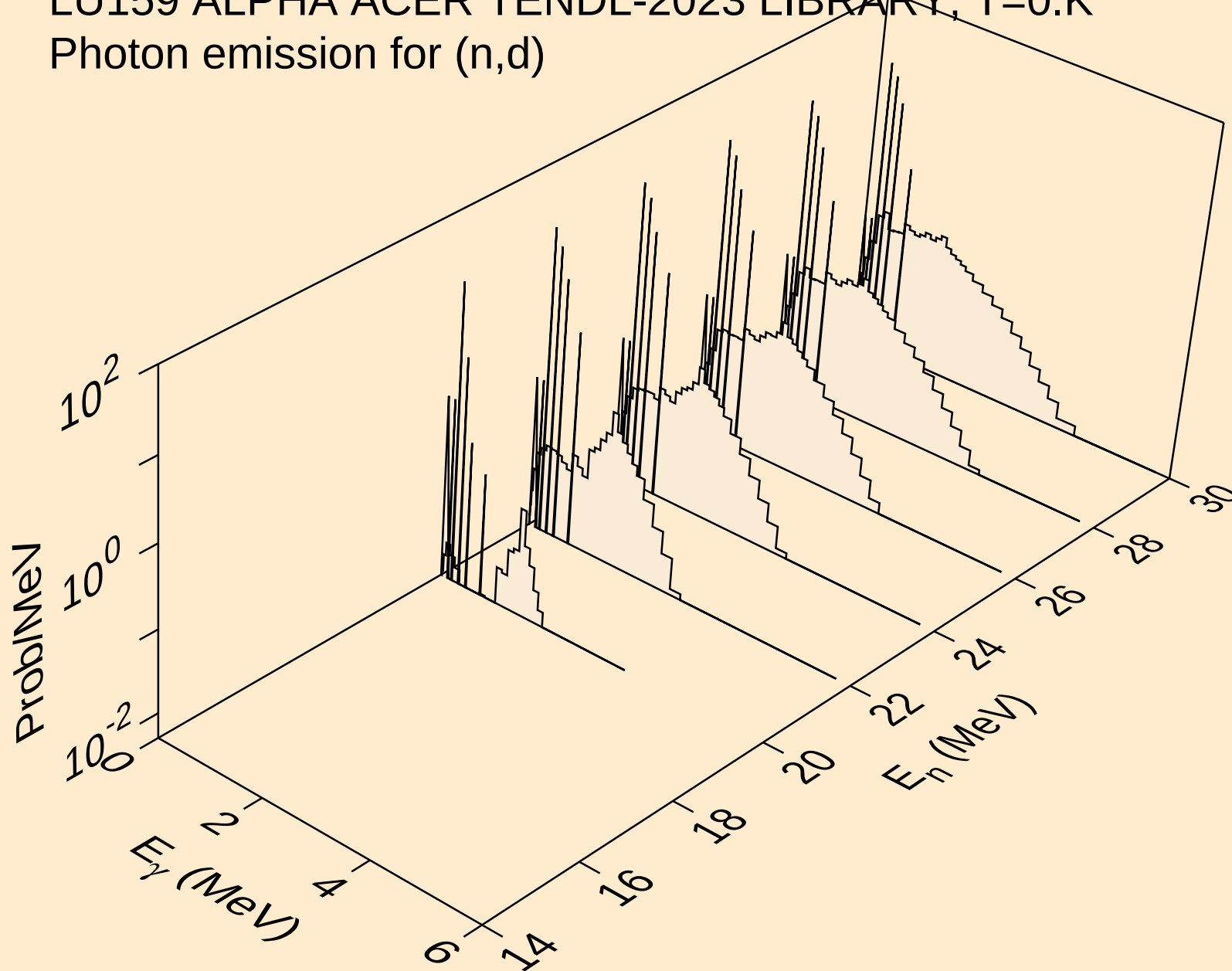
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Photon emission for (n,p)



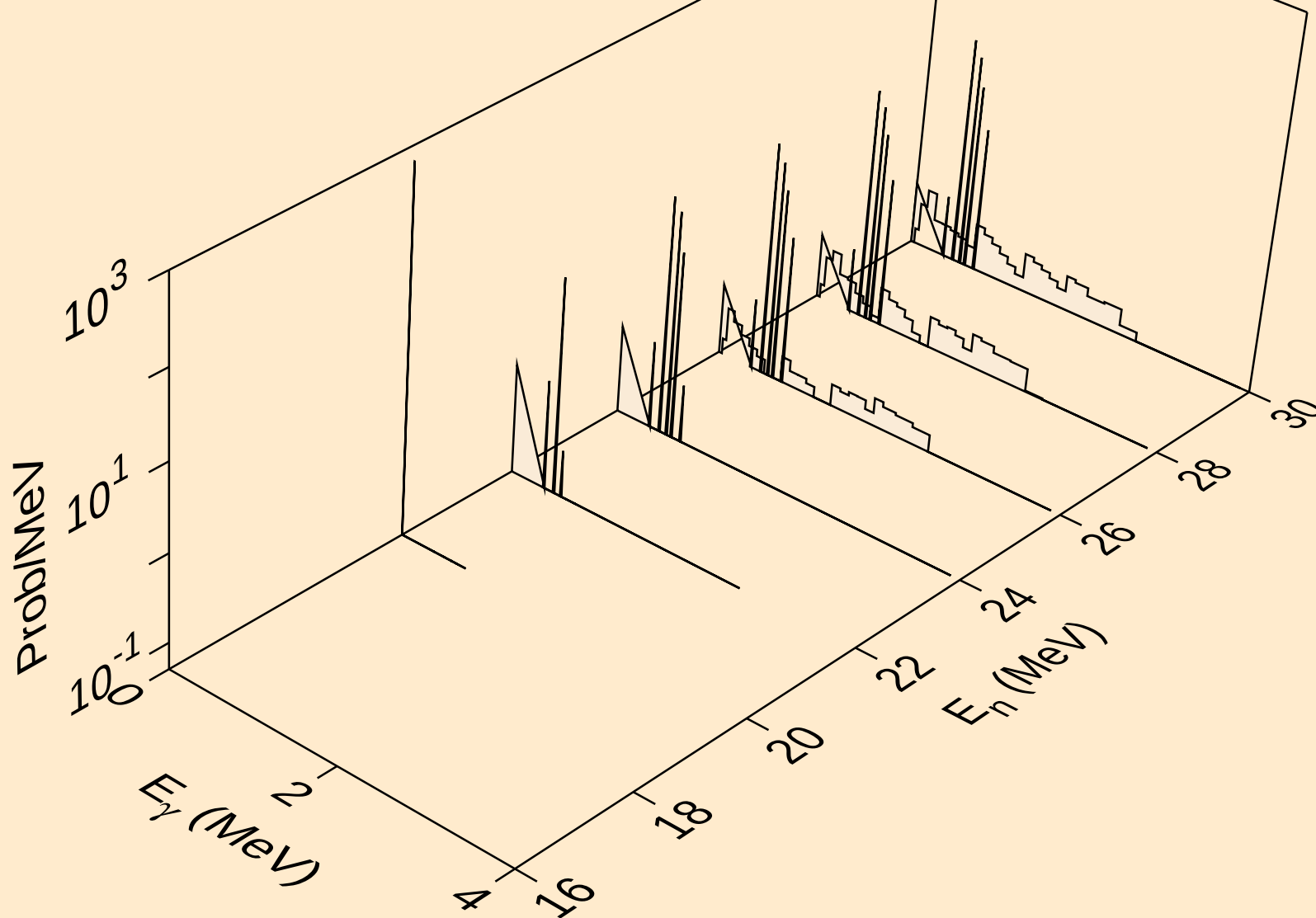
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Photon emission for (n,d)

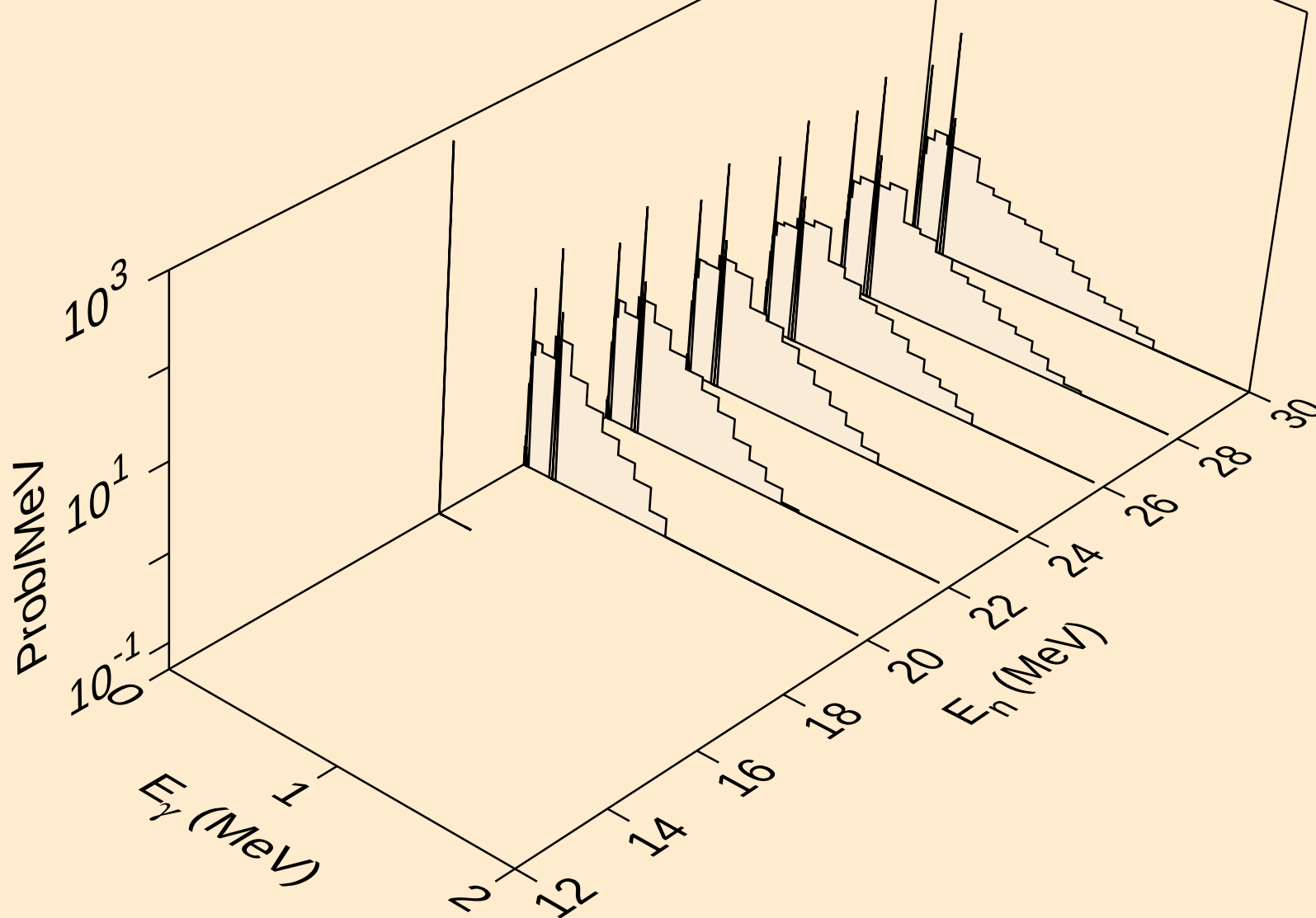


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

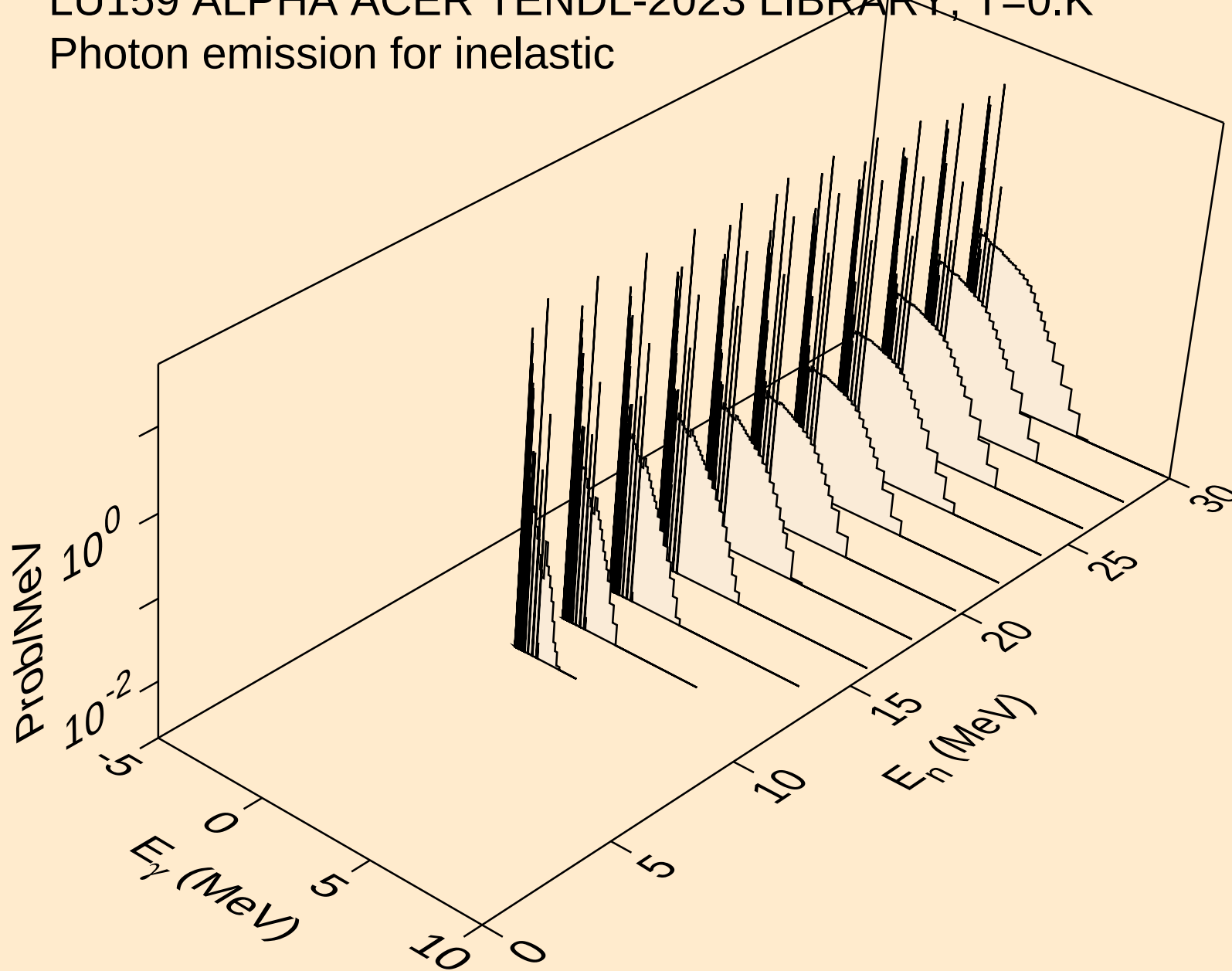
Photon emission for (n,t)



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)

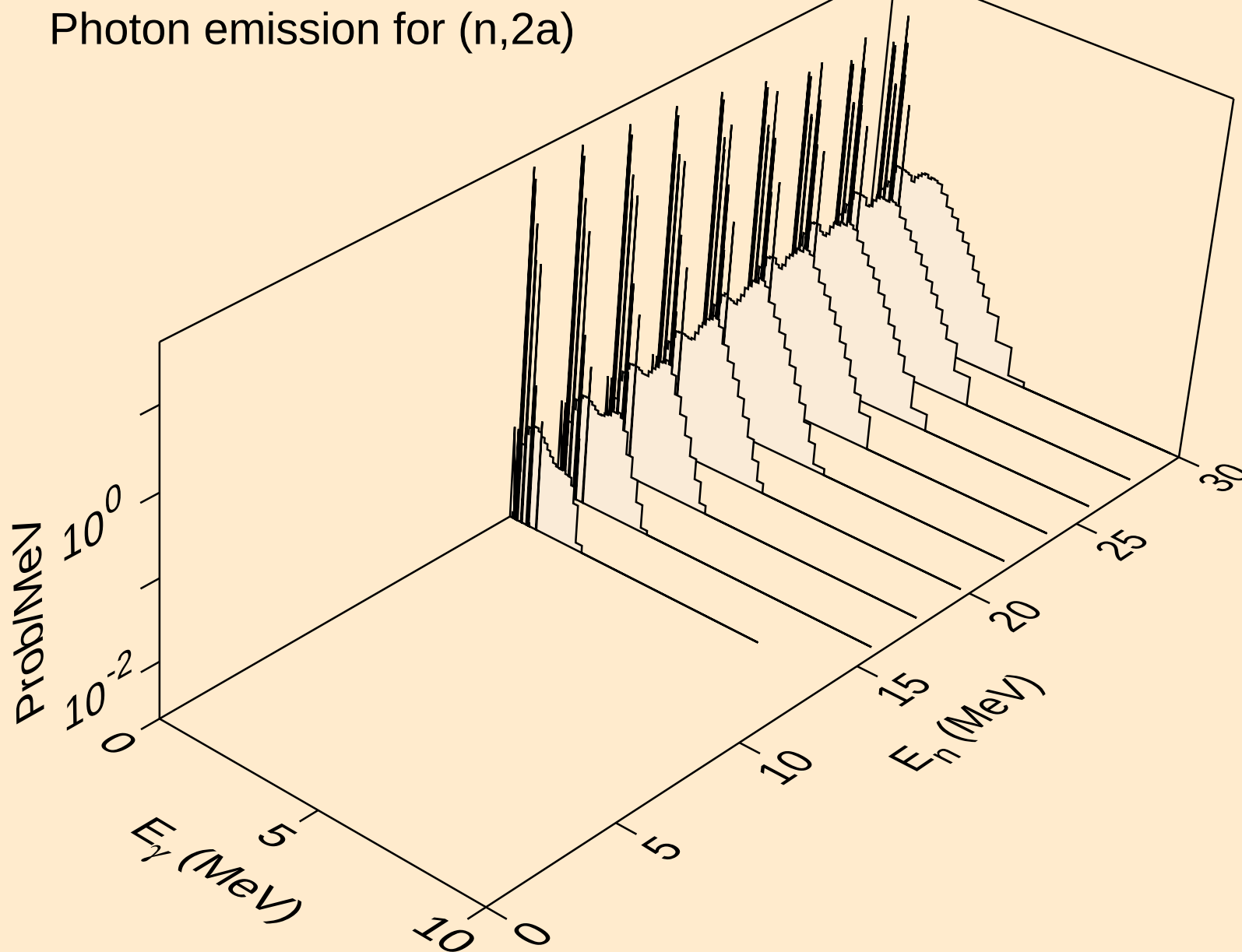


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



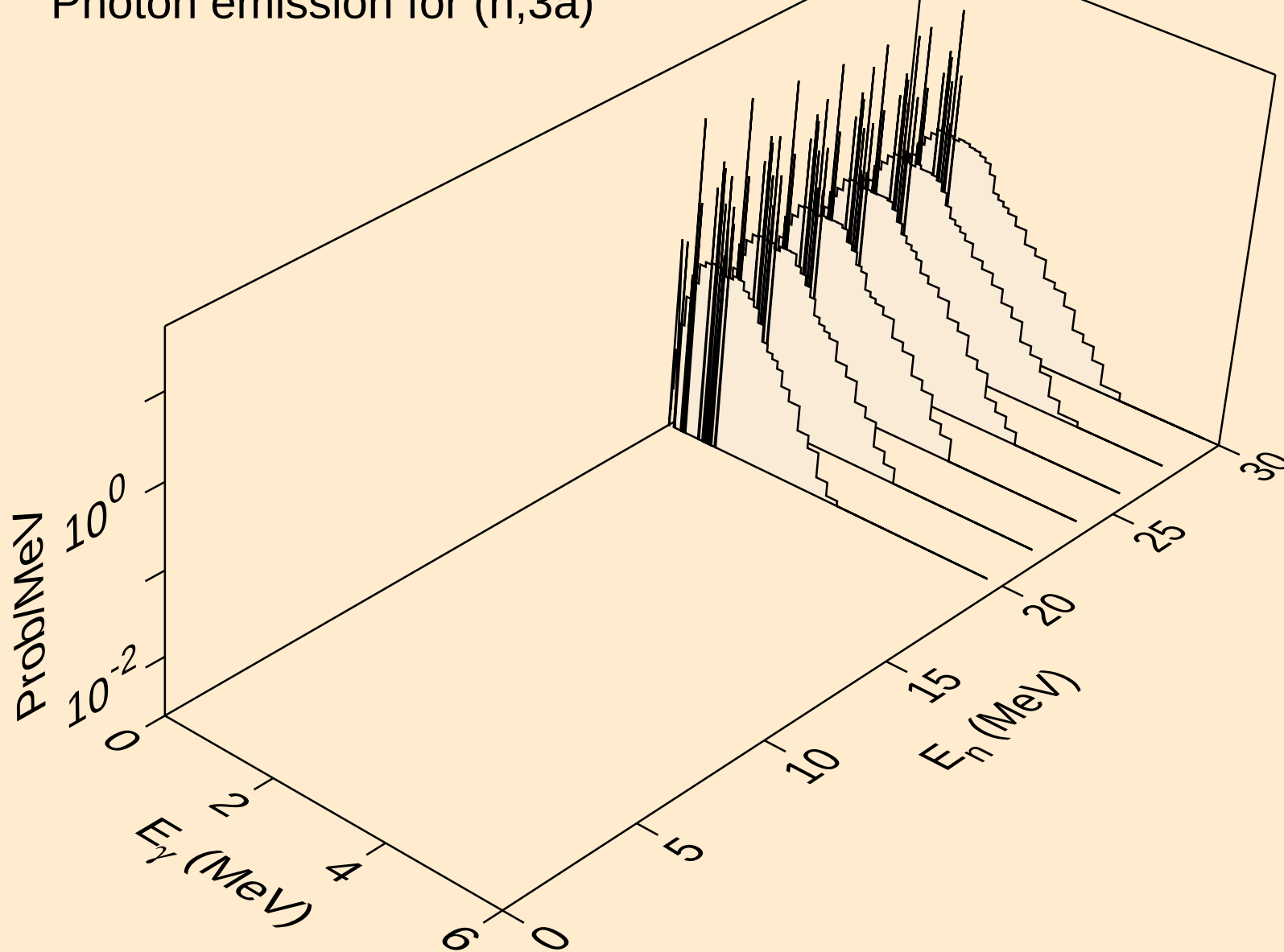
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2a)

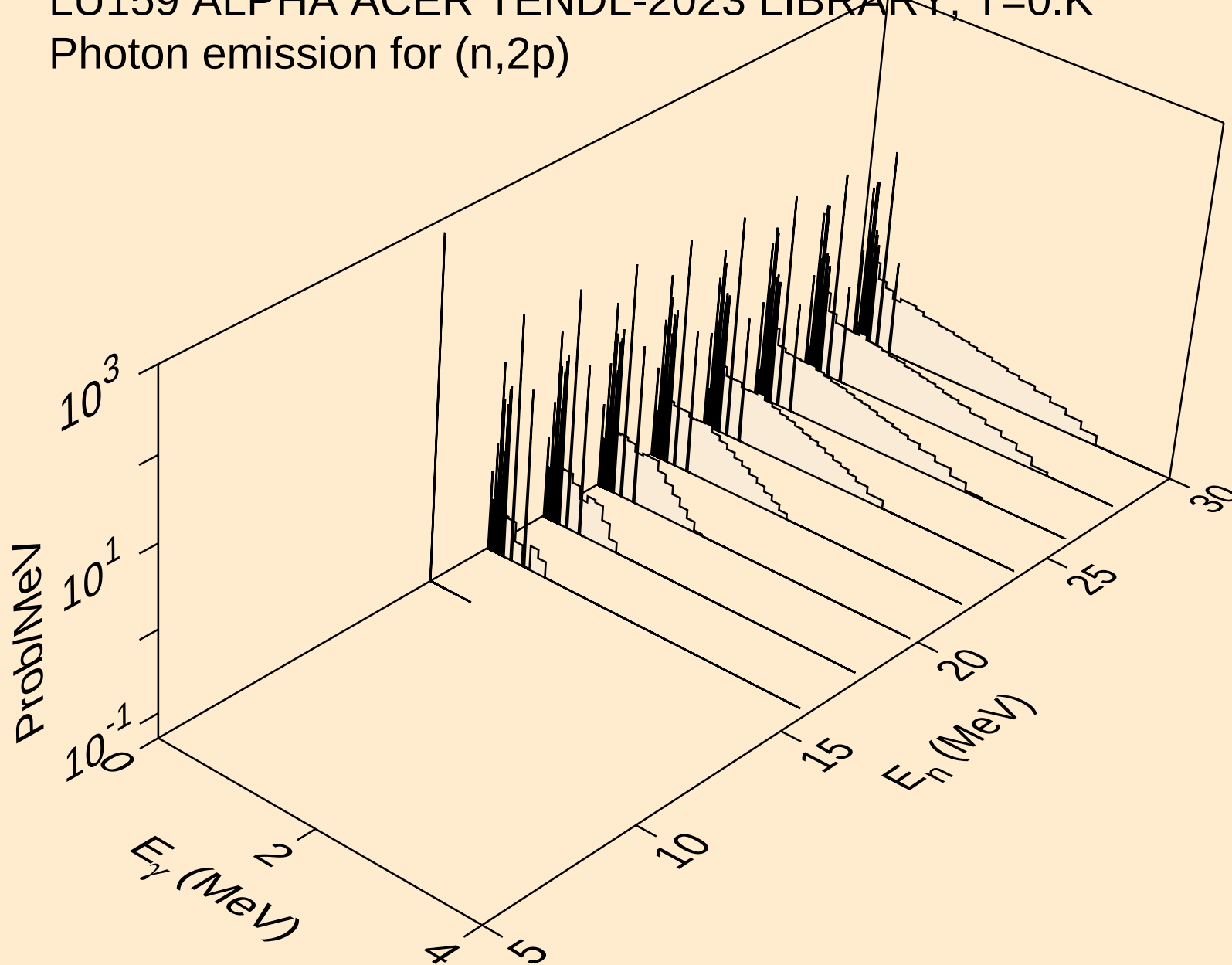


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3a)

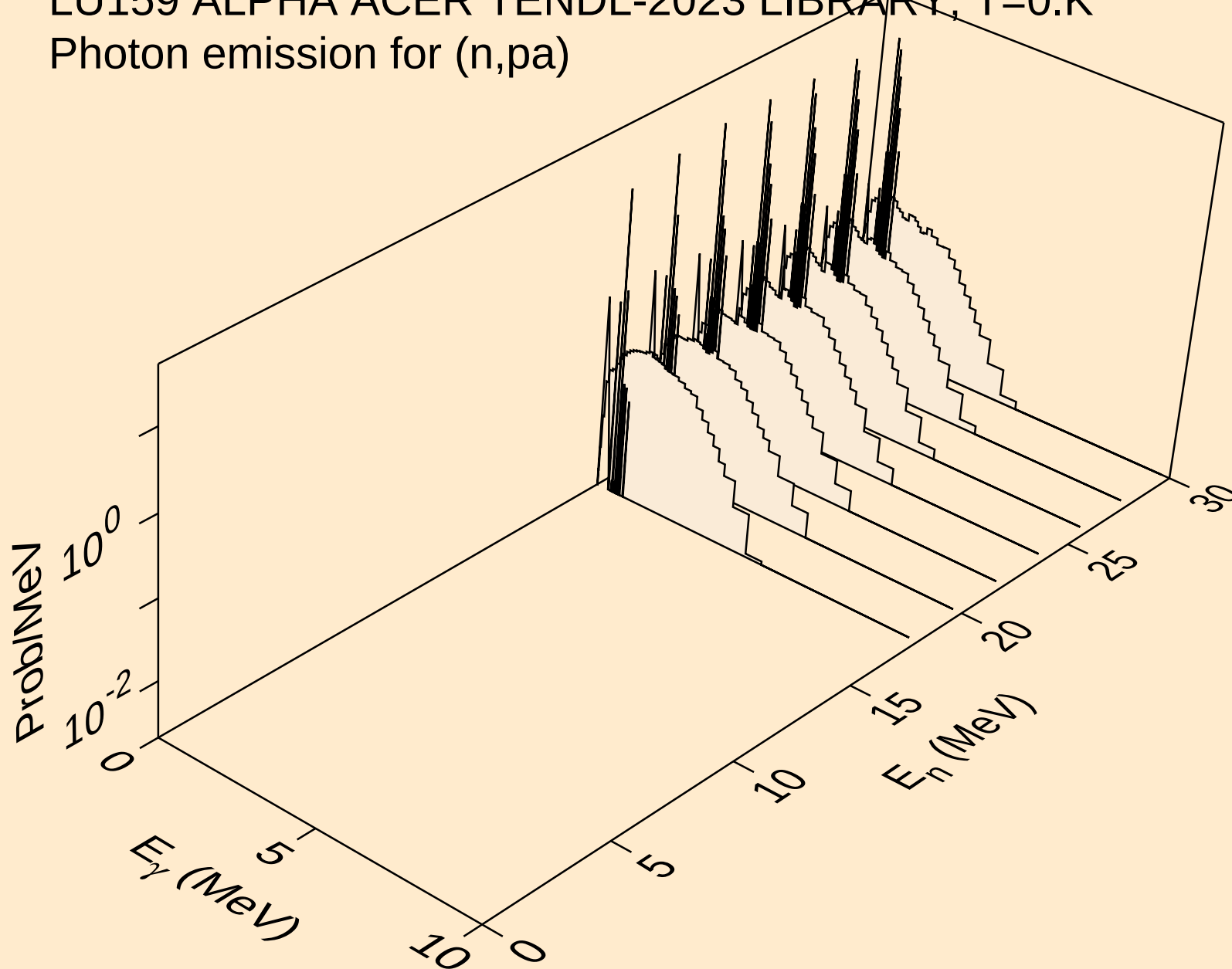


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



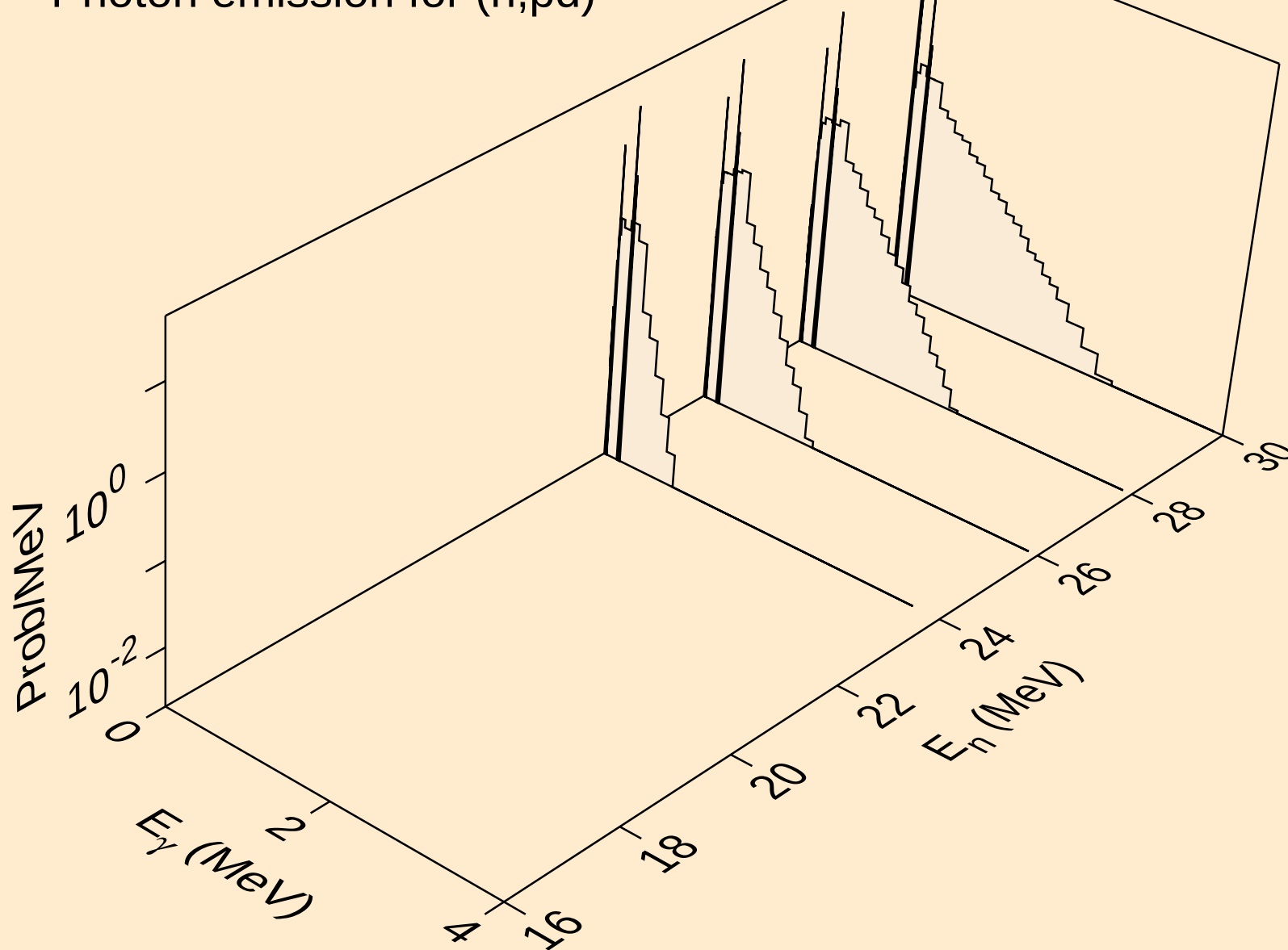
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p α)

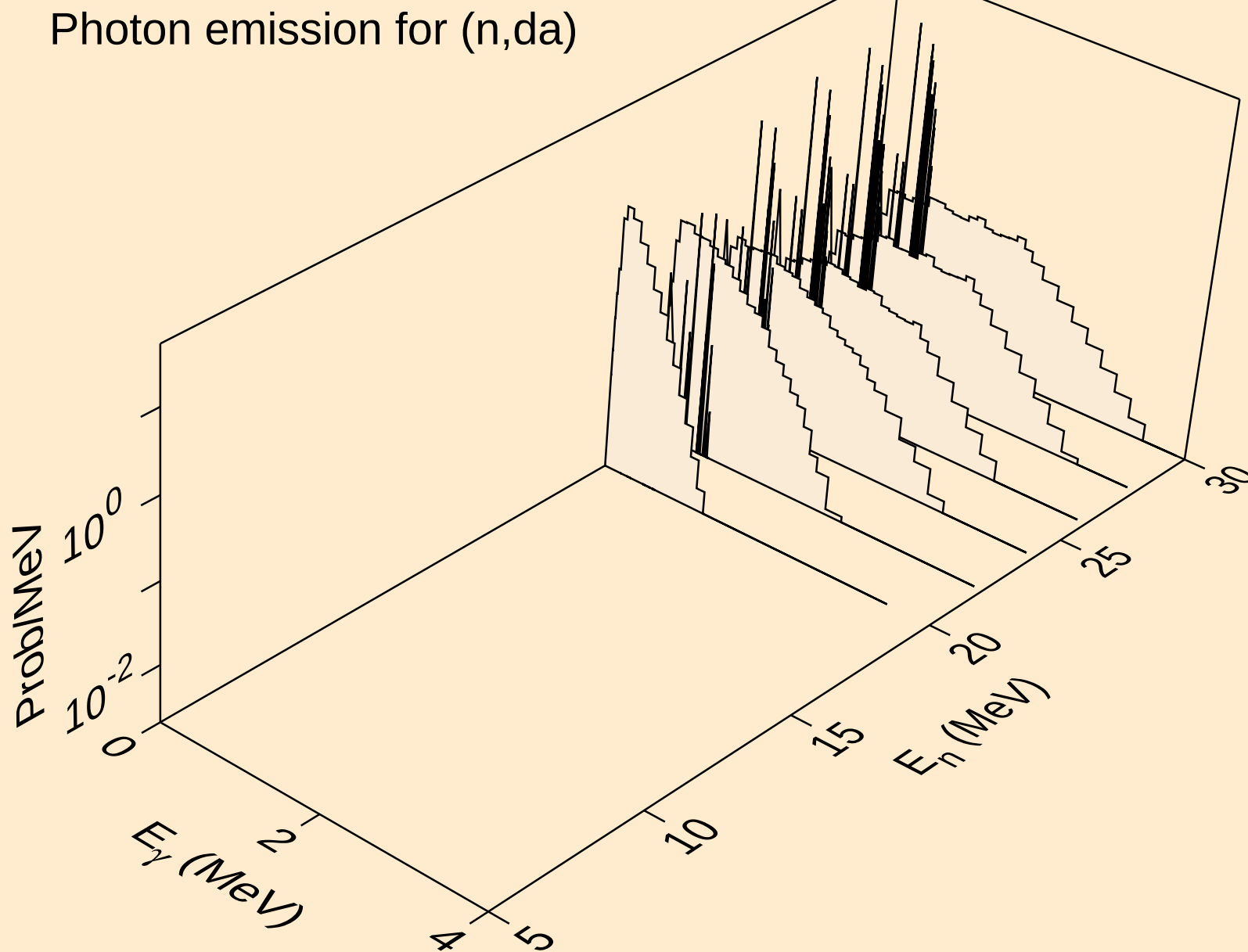


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pd)

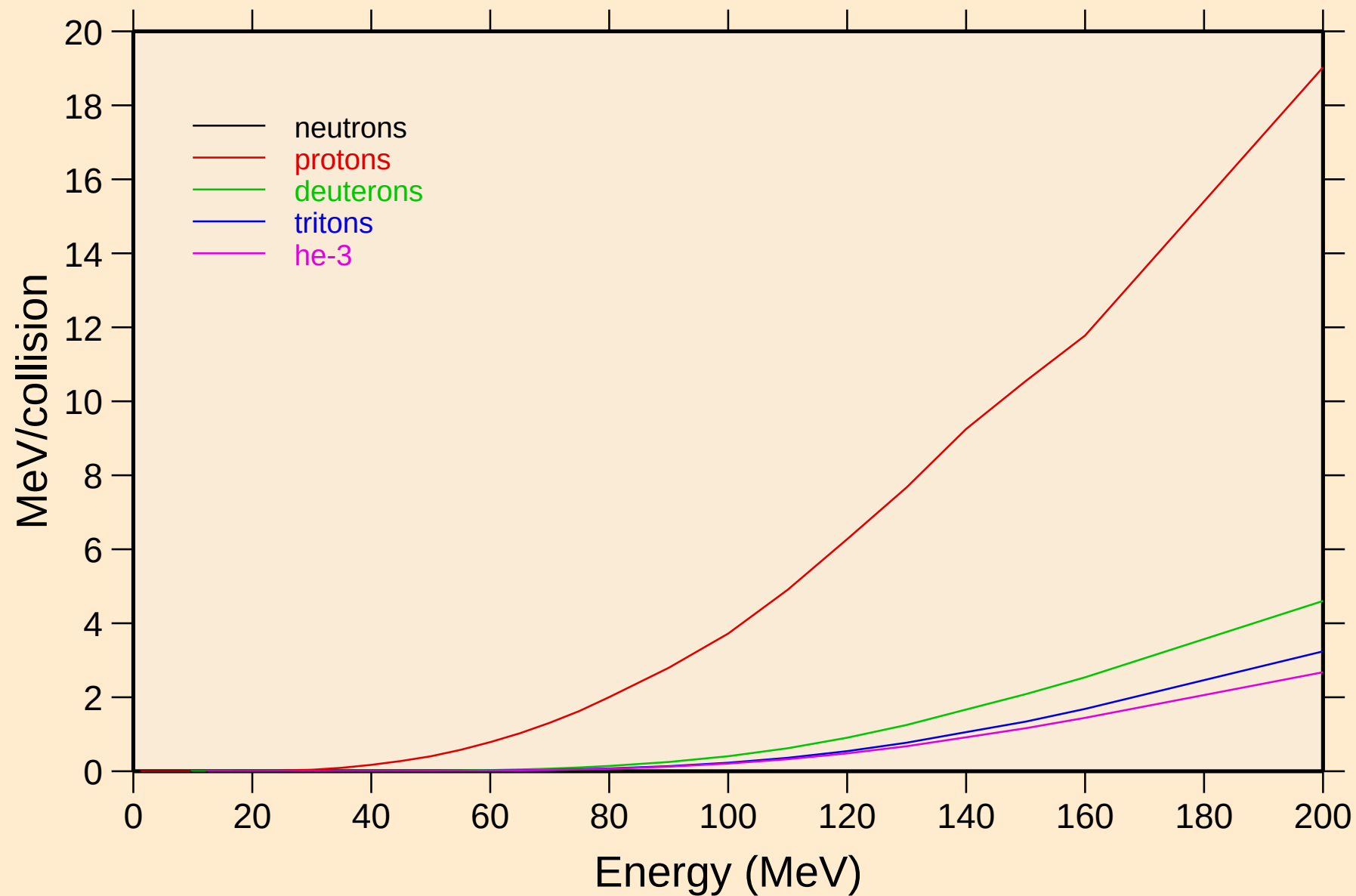


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



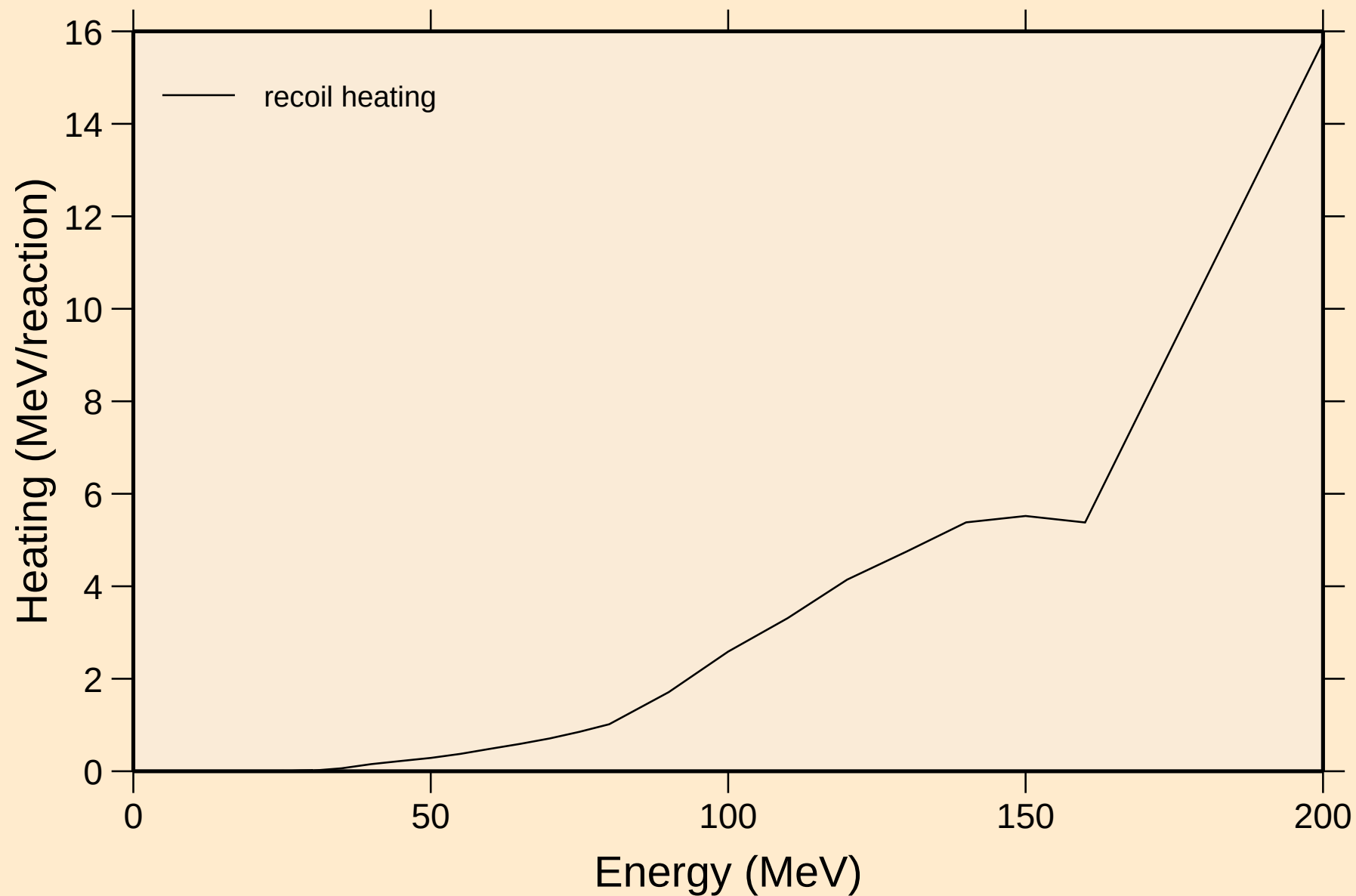
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Particle heating contributions



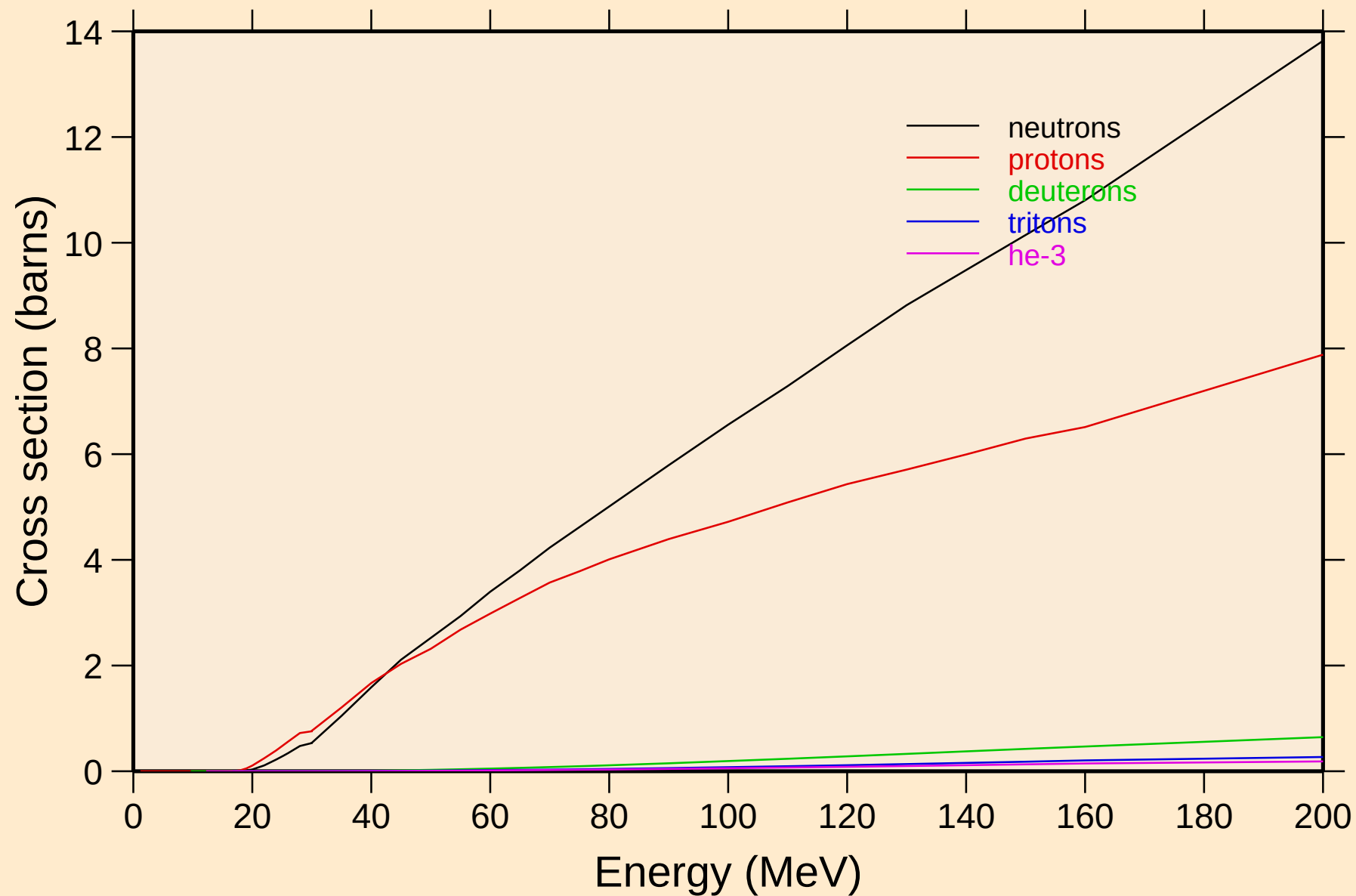
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

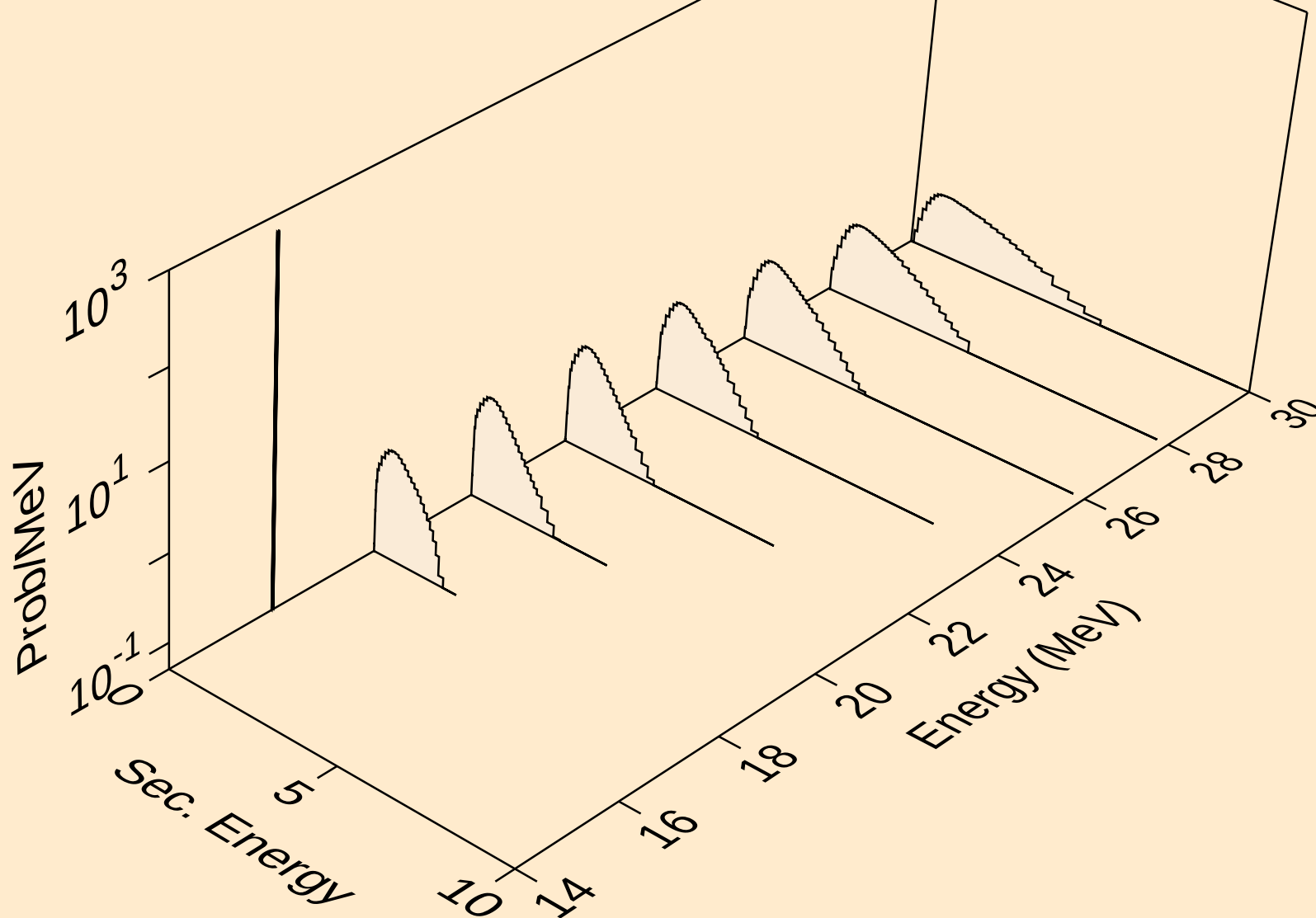


LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

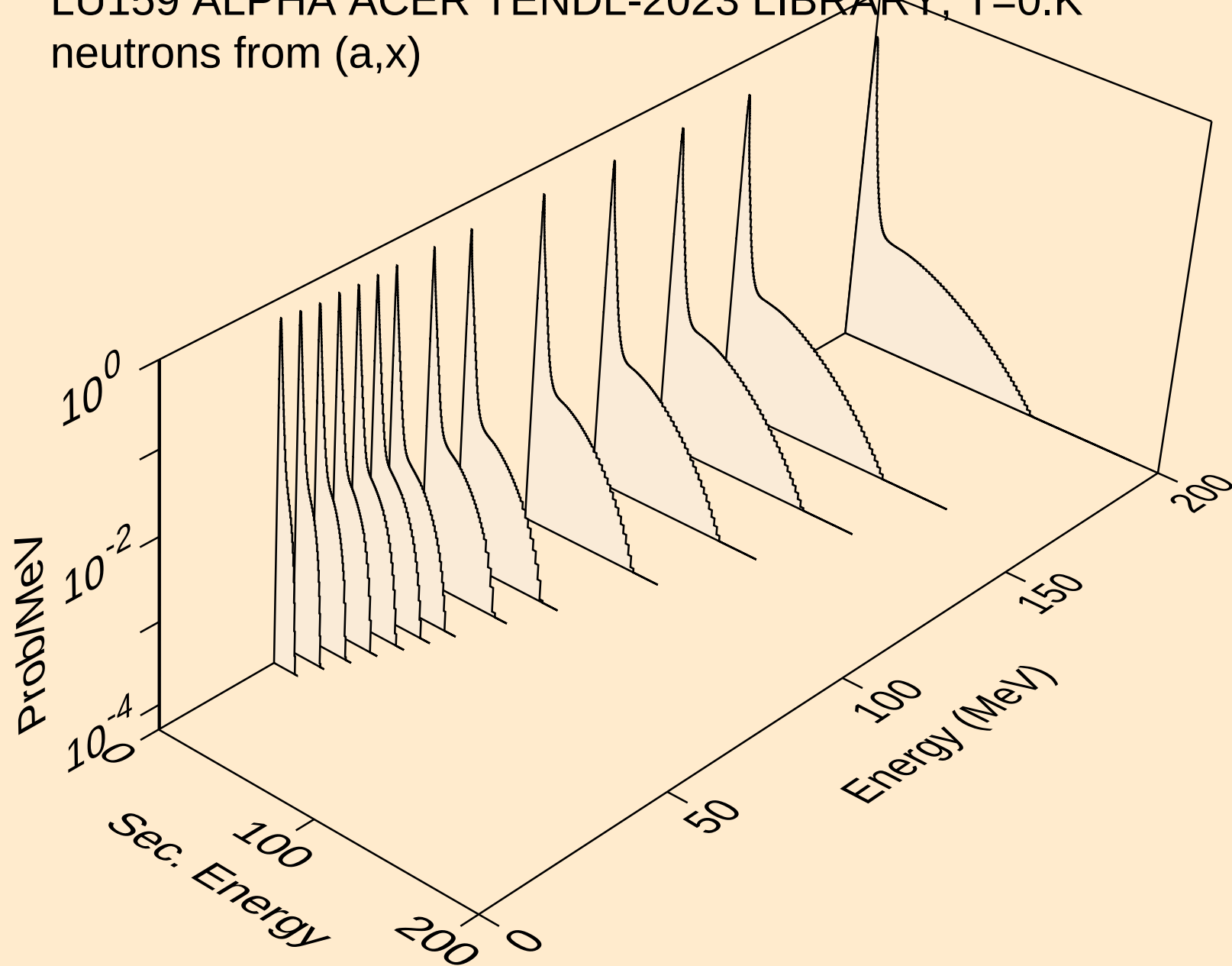
Particle production cross sections



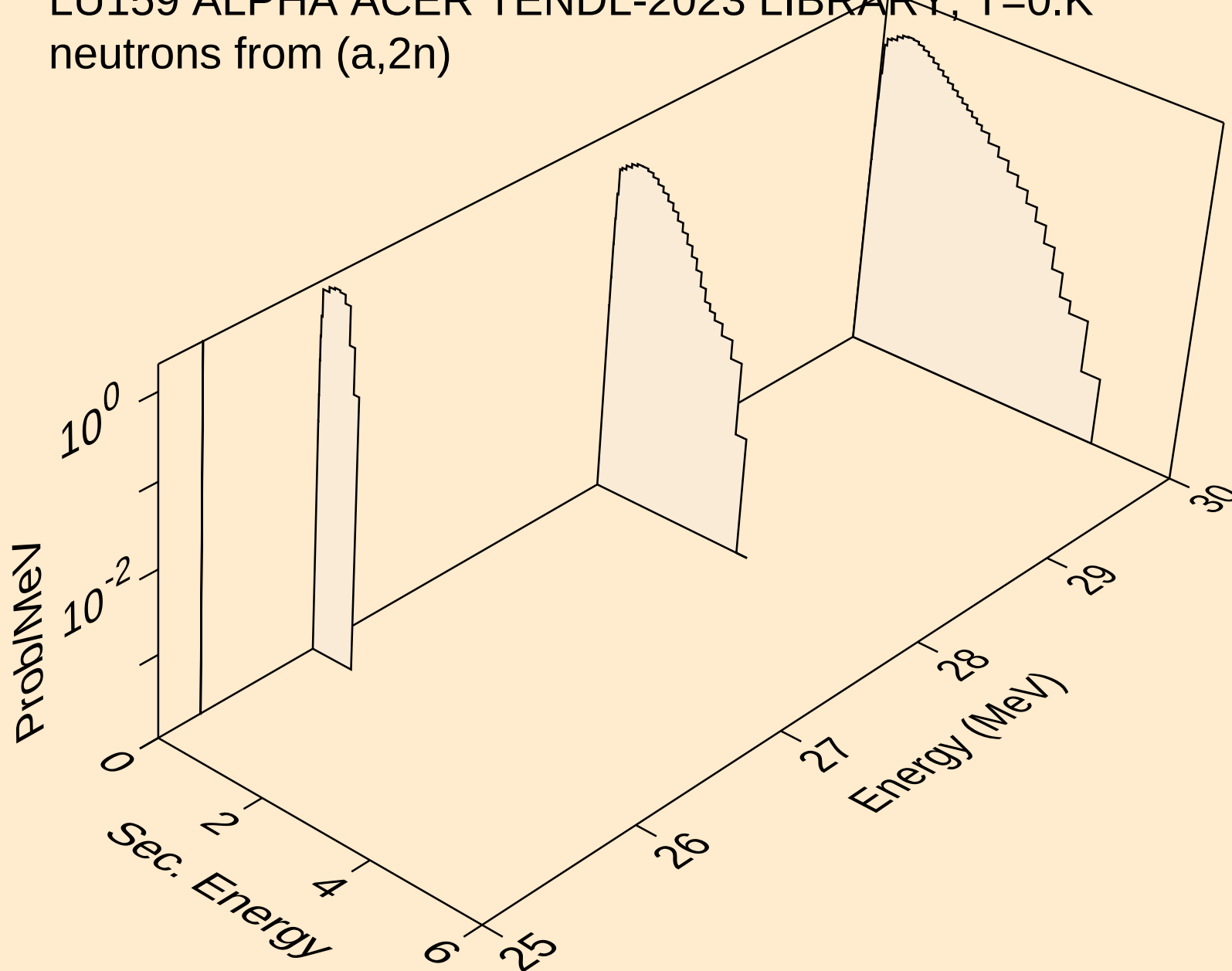
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



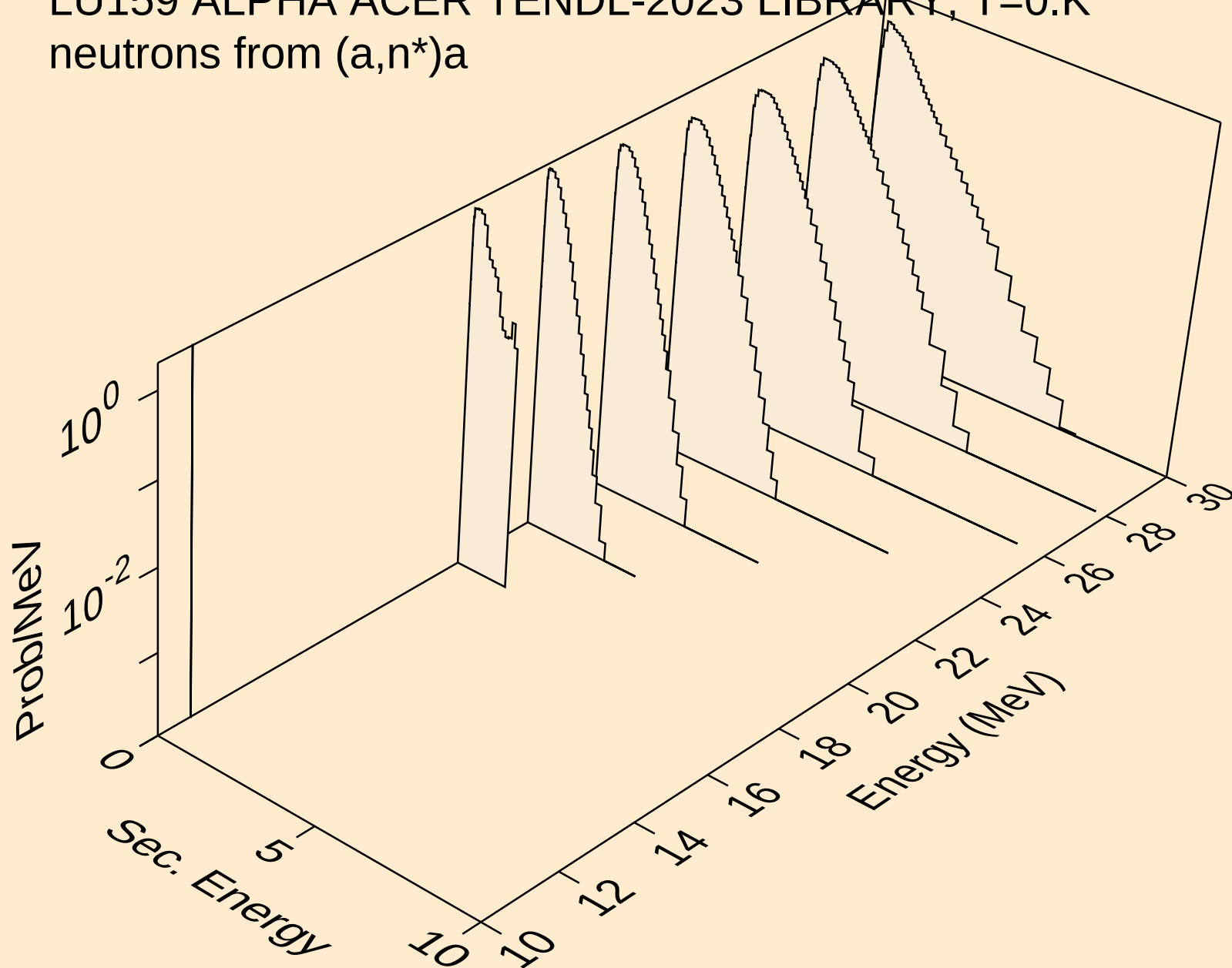
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



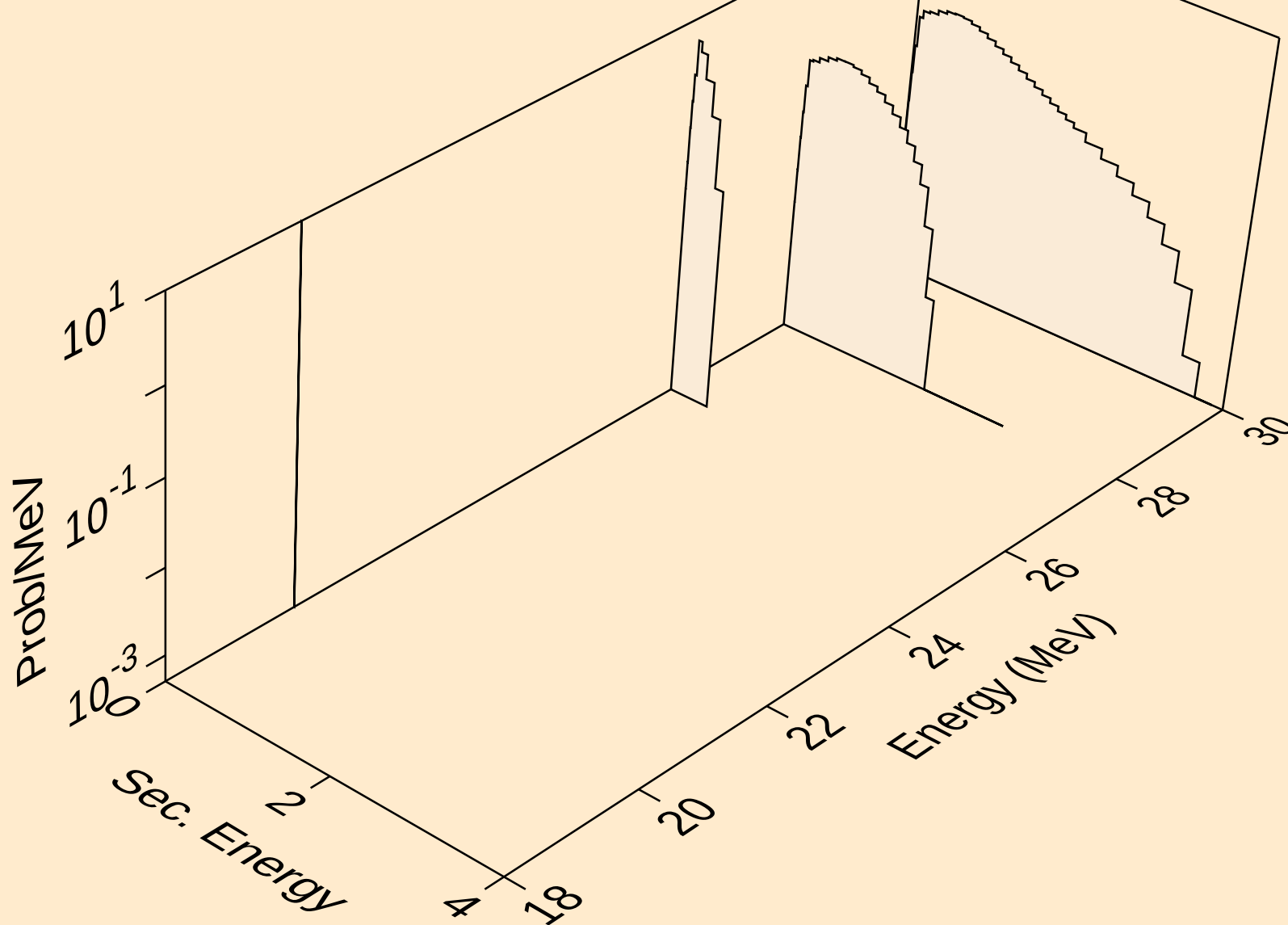
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)



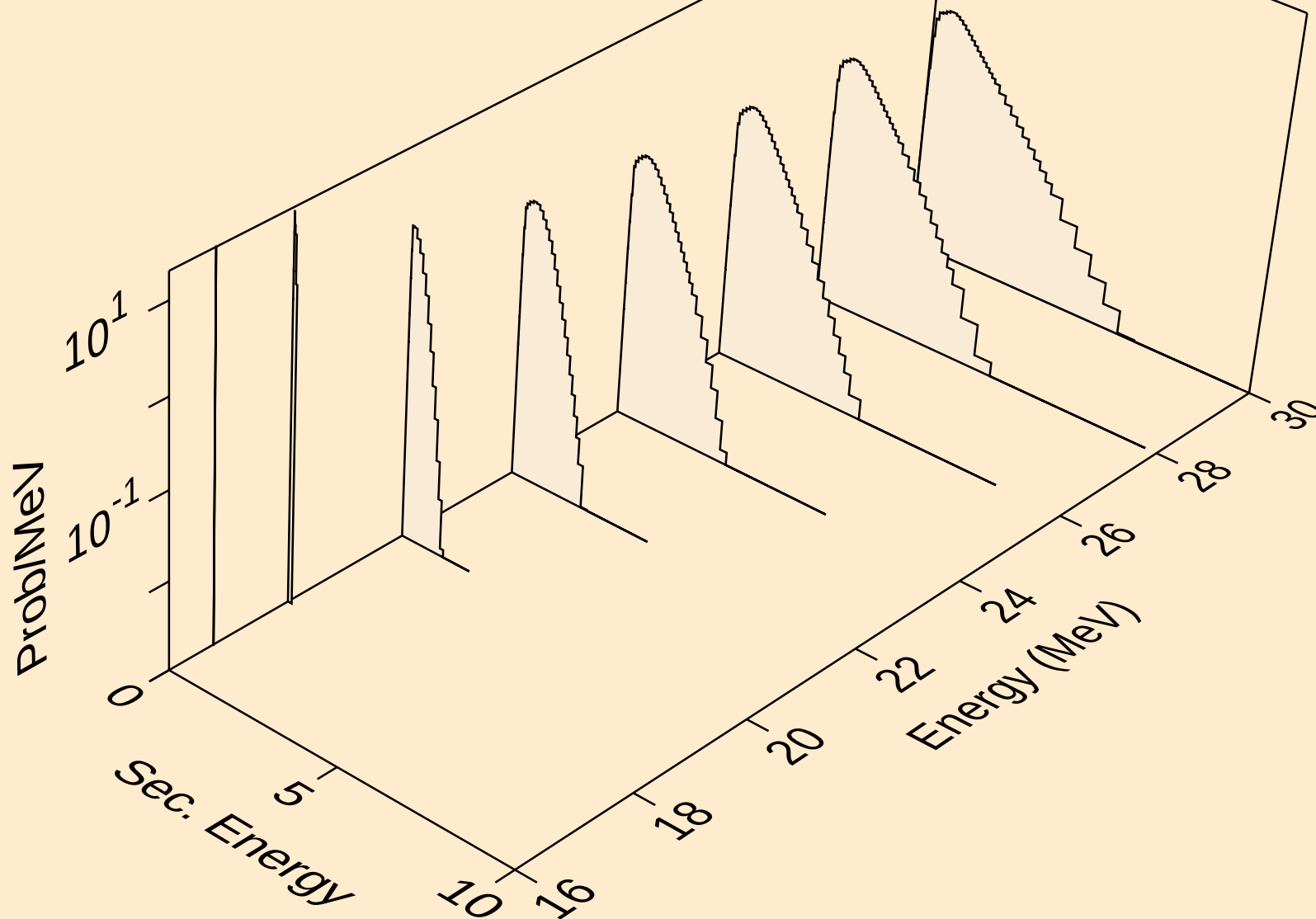
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



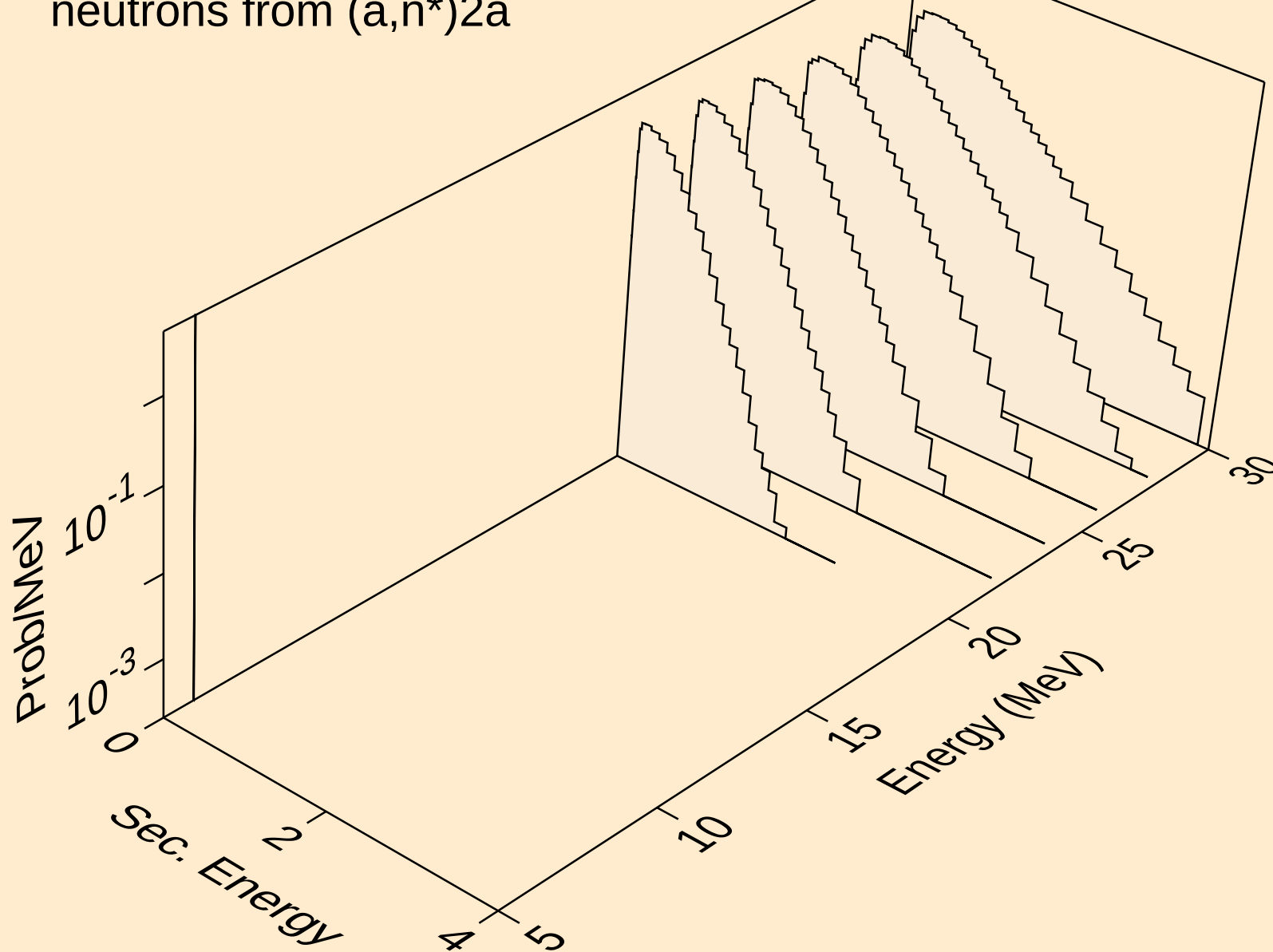
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a



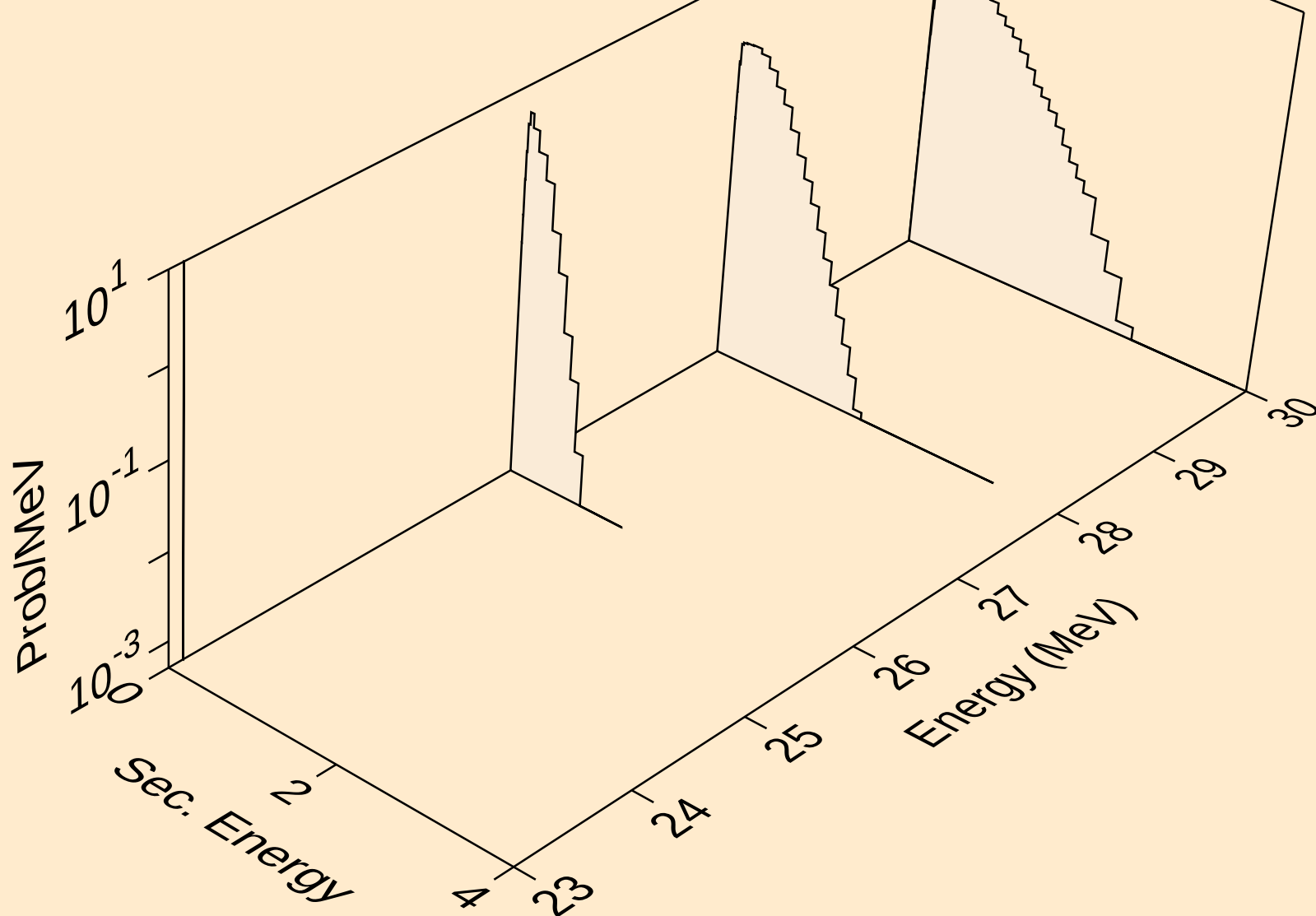
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



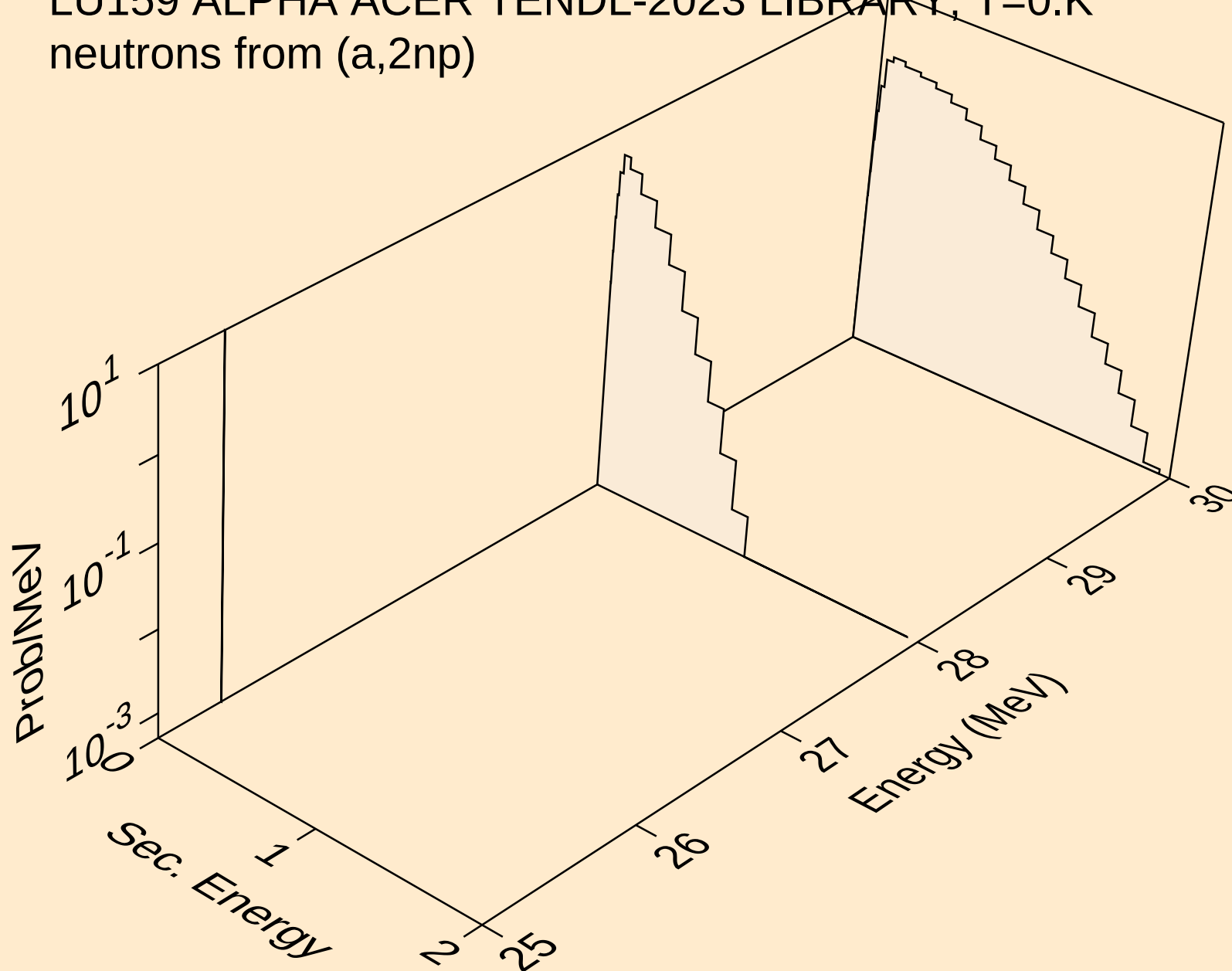
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)2a



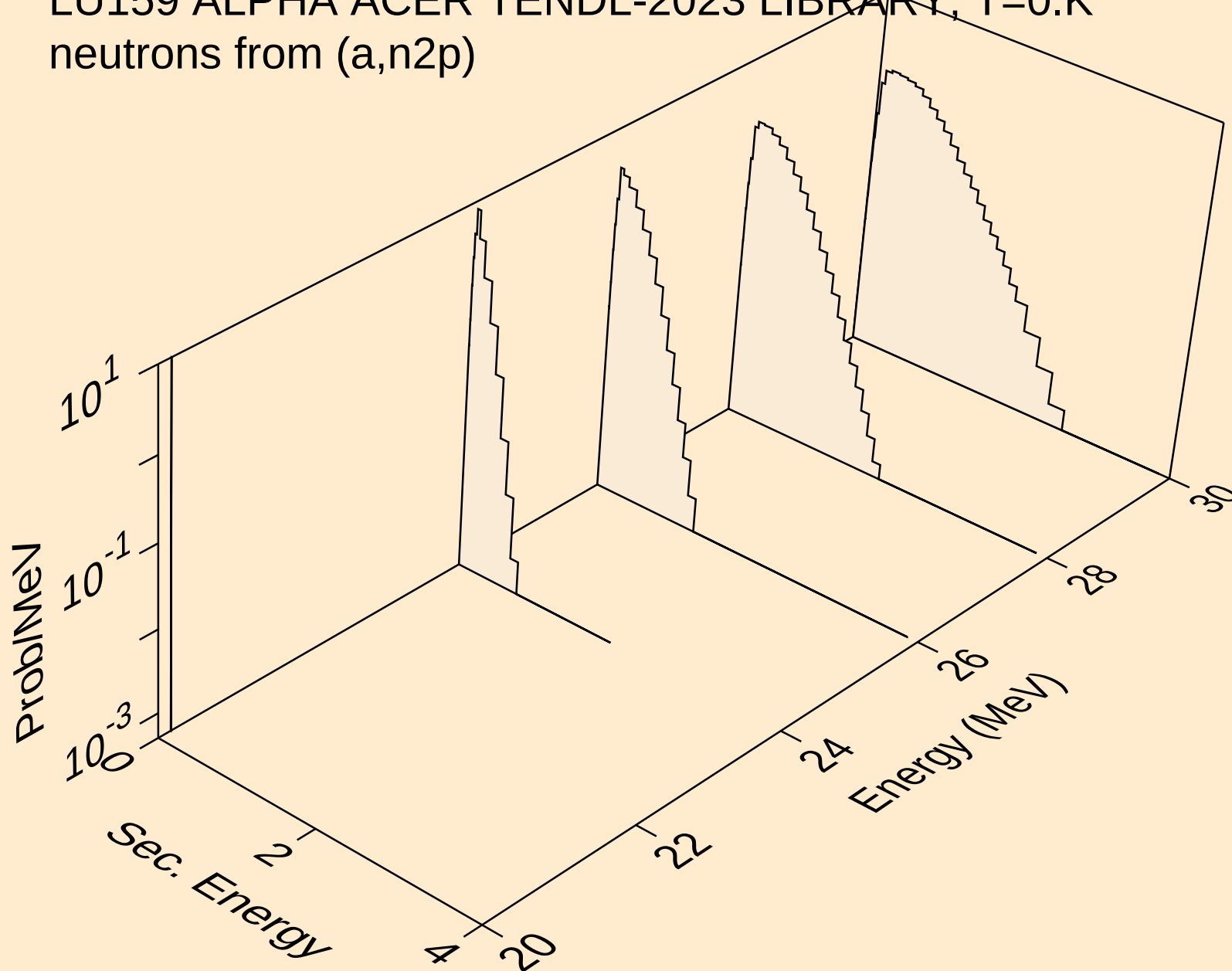
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d



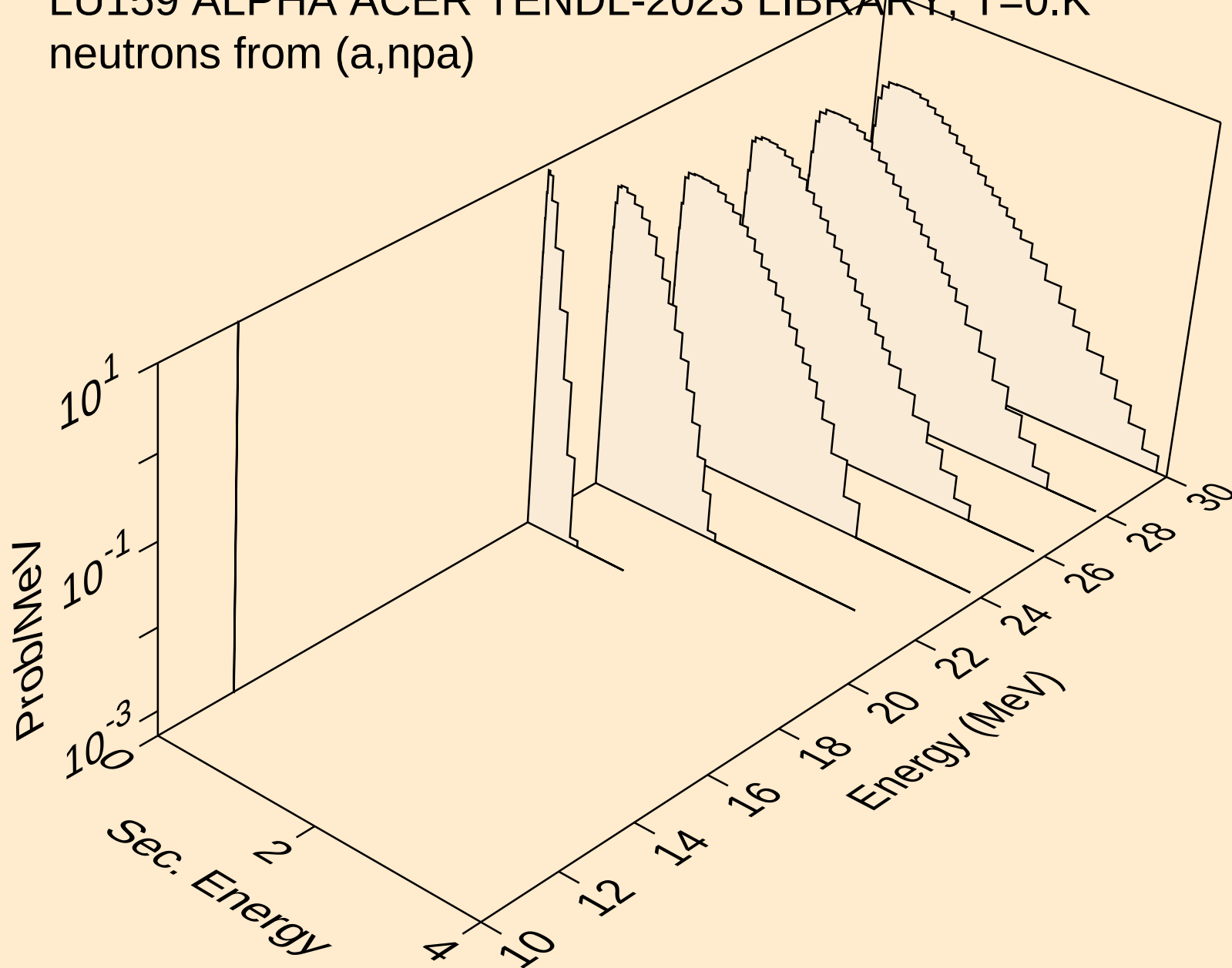
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2np)



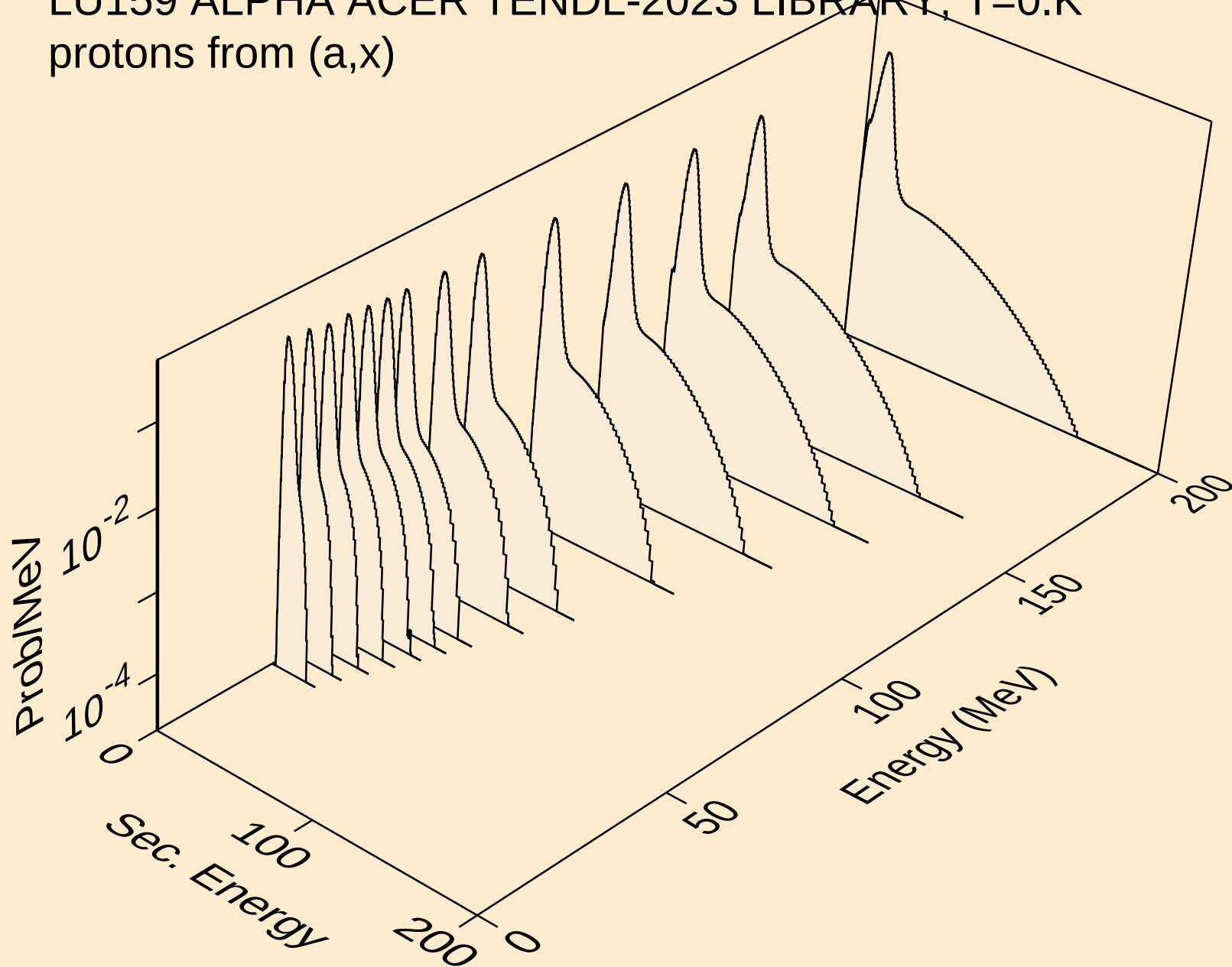
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neutrons from (a,n2p)



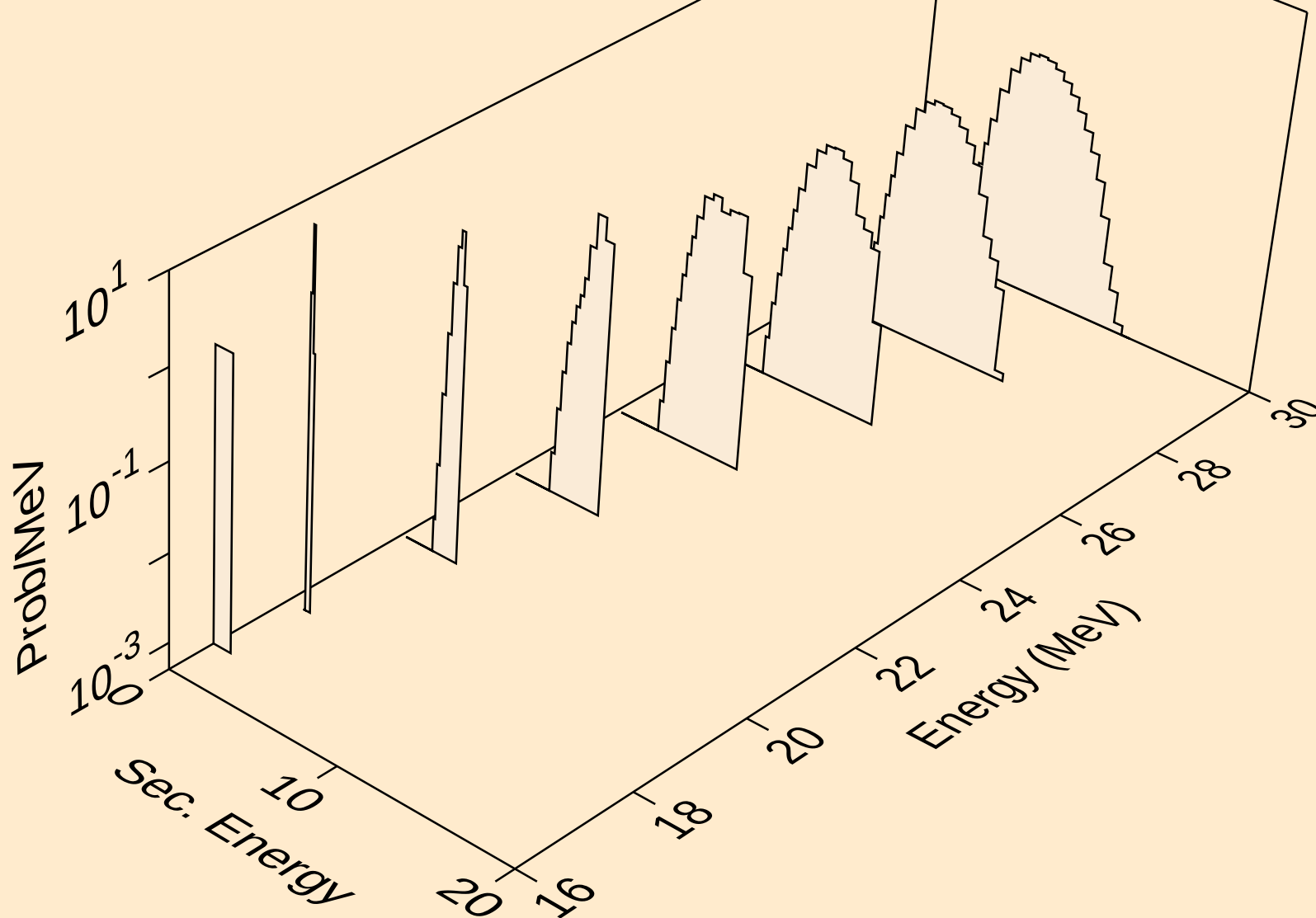
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,npa)



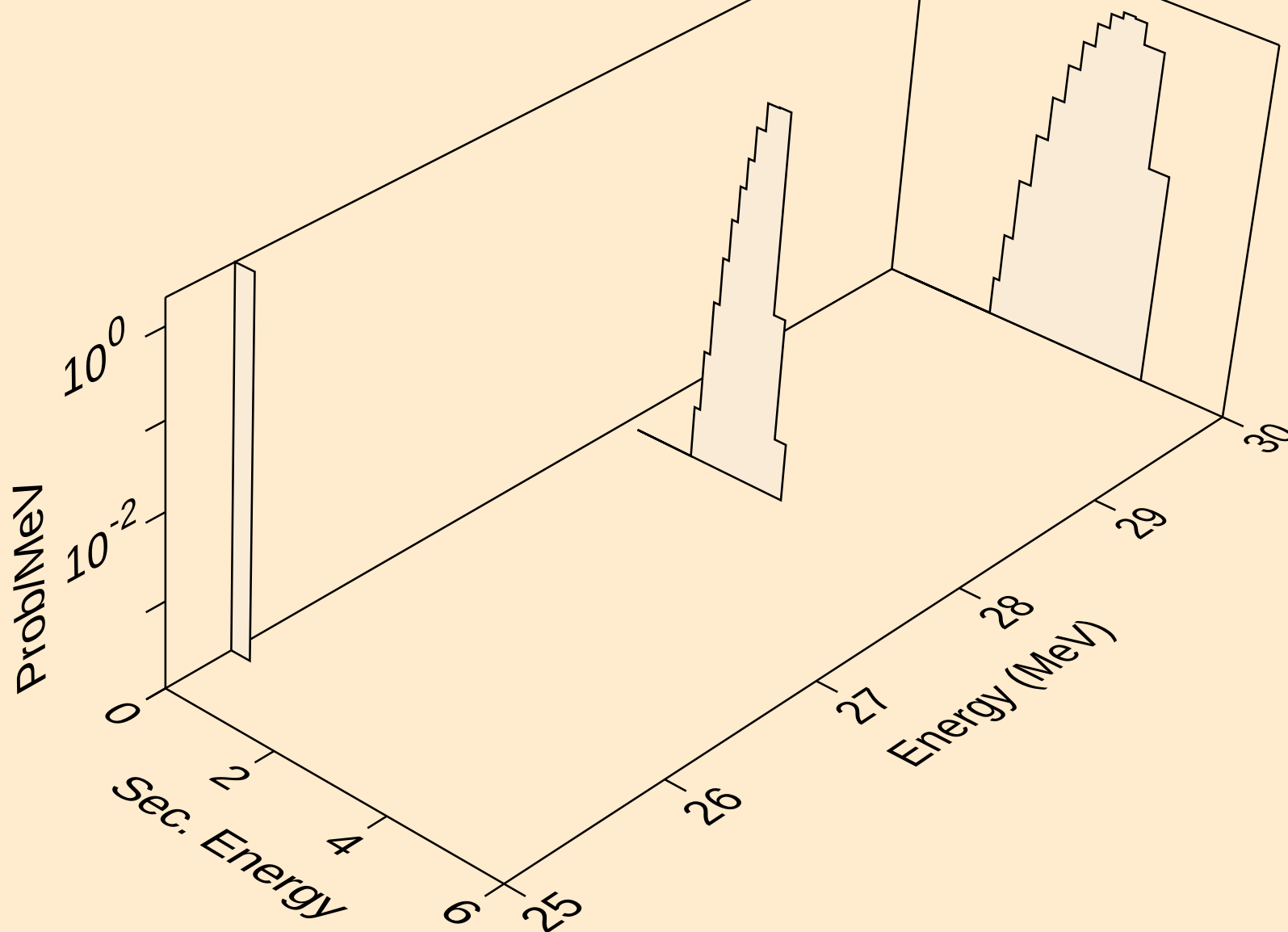
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,x)



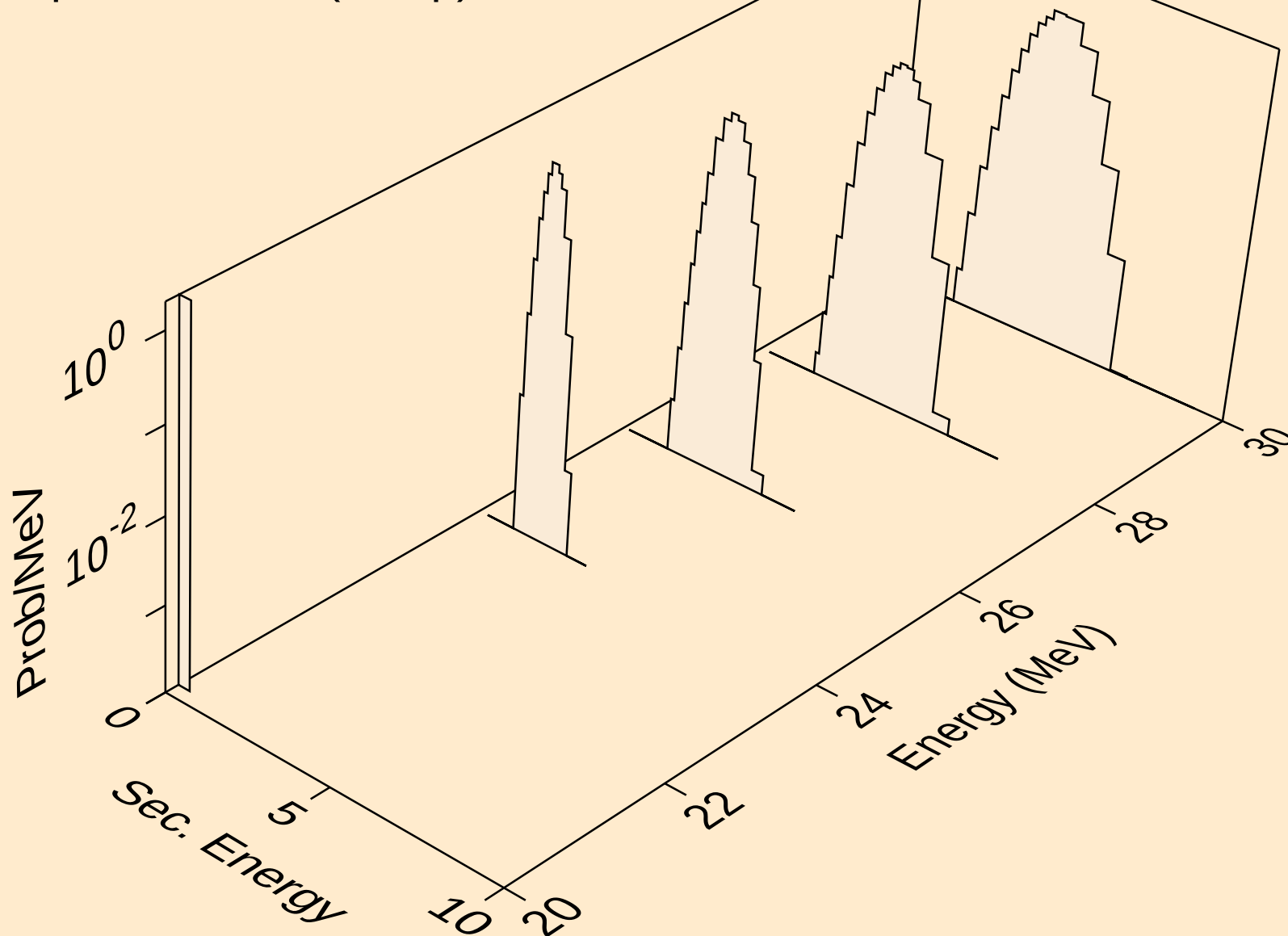
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,n*)p



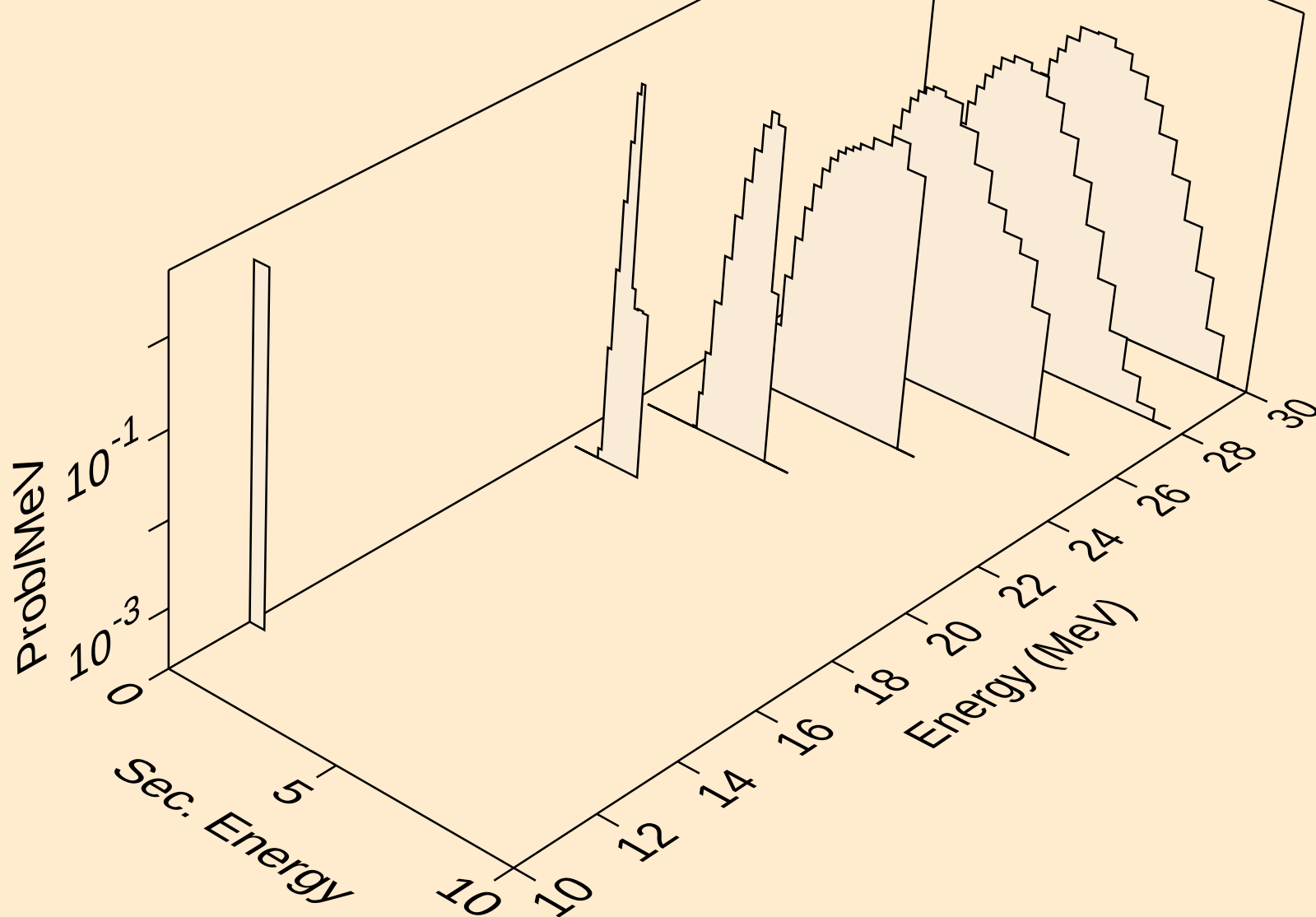
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protons from (a,2np)



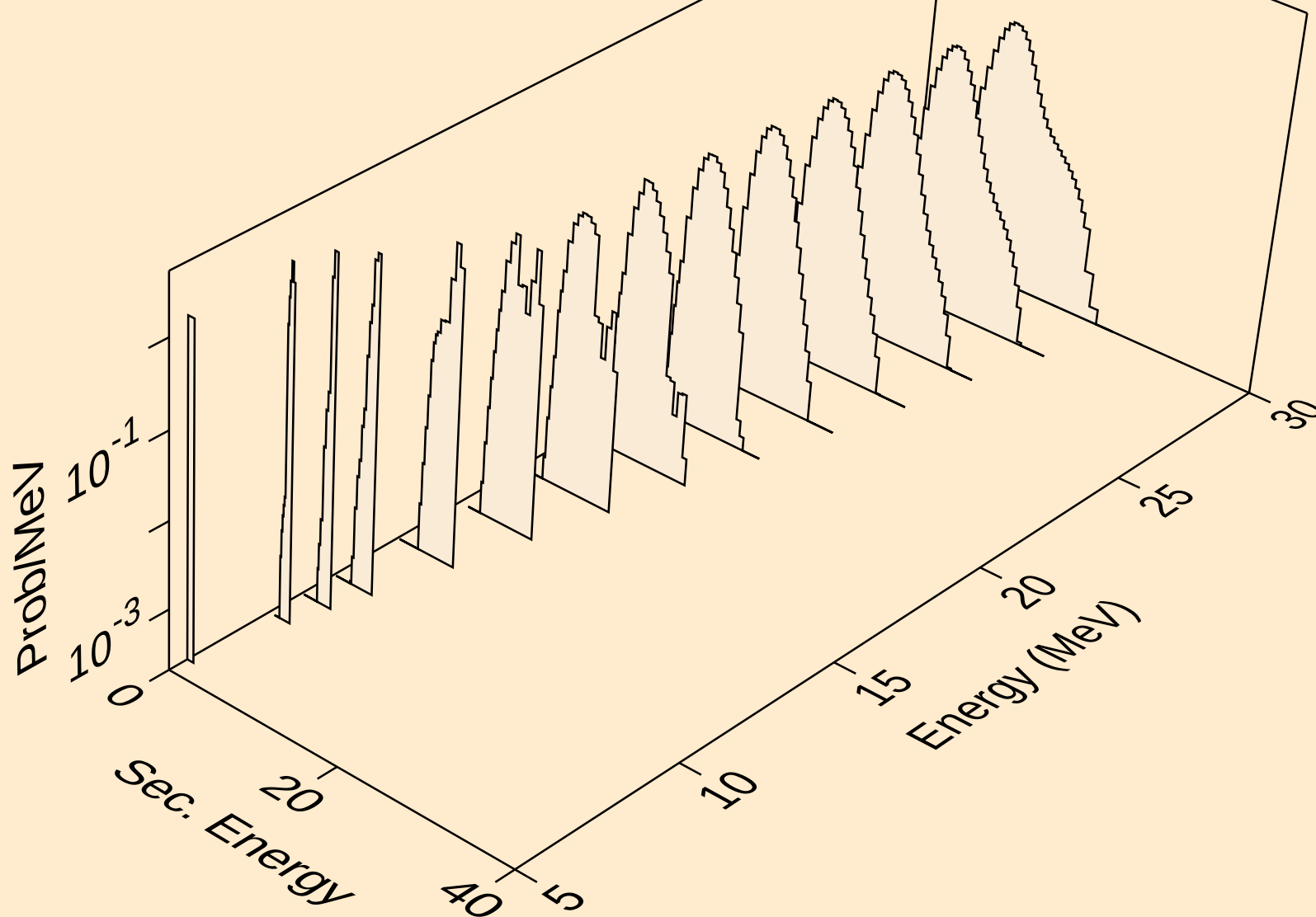
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protons from (a,n2p)



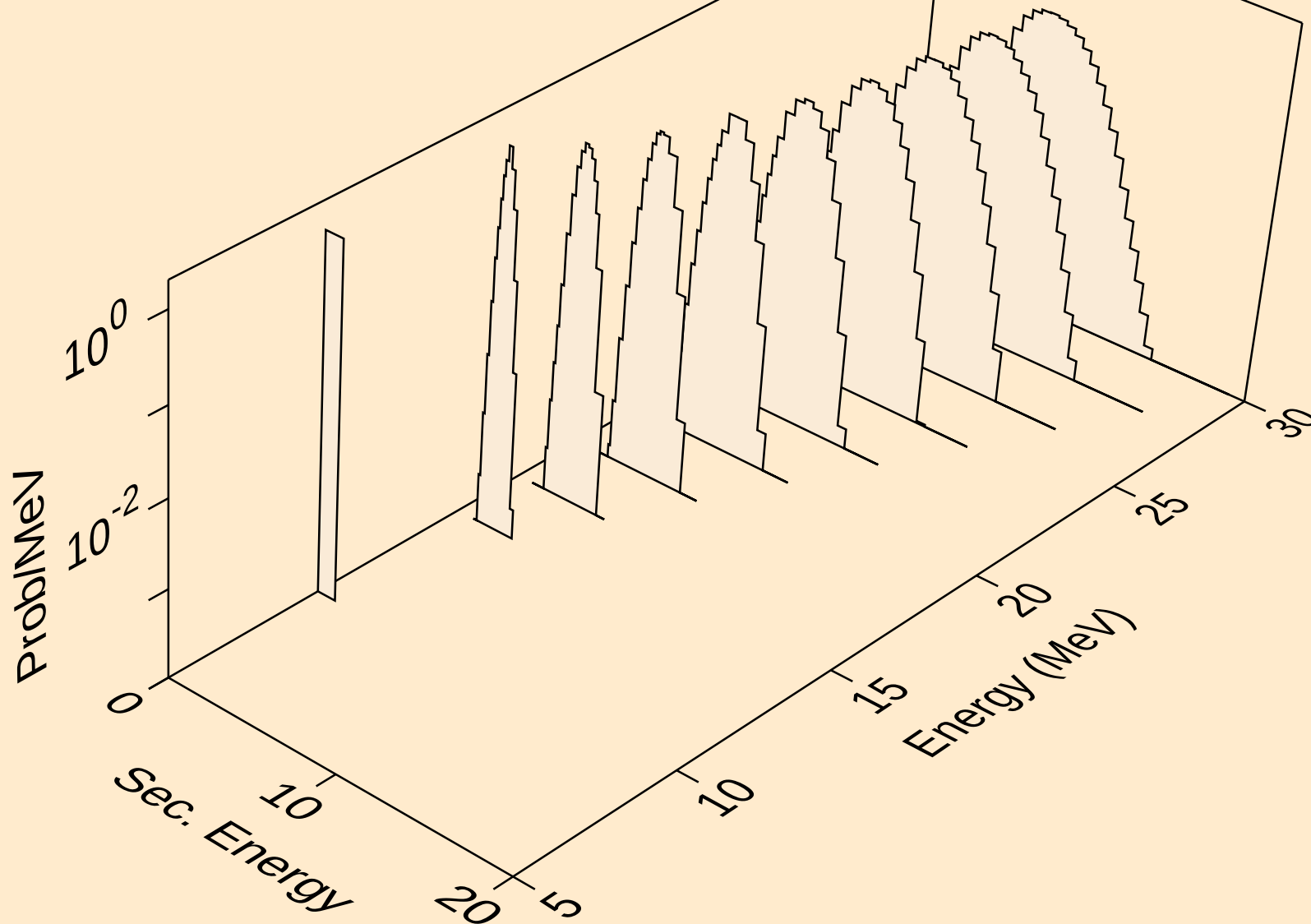
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protons from (a,npa)



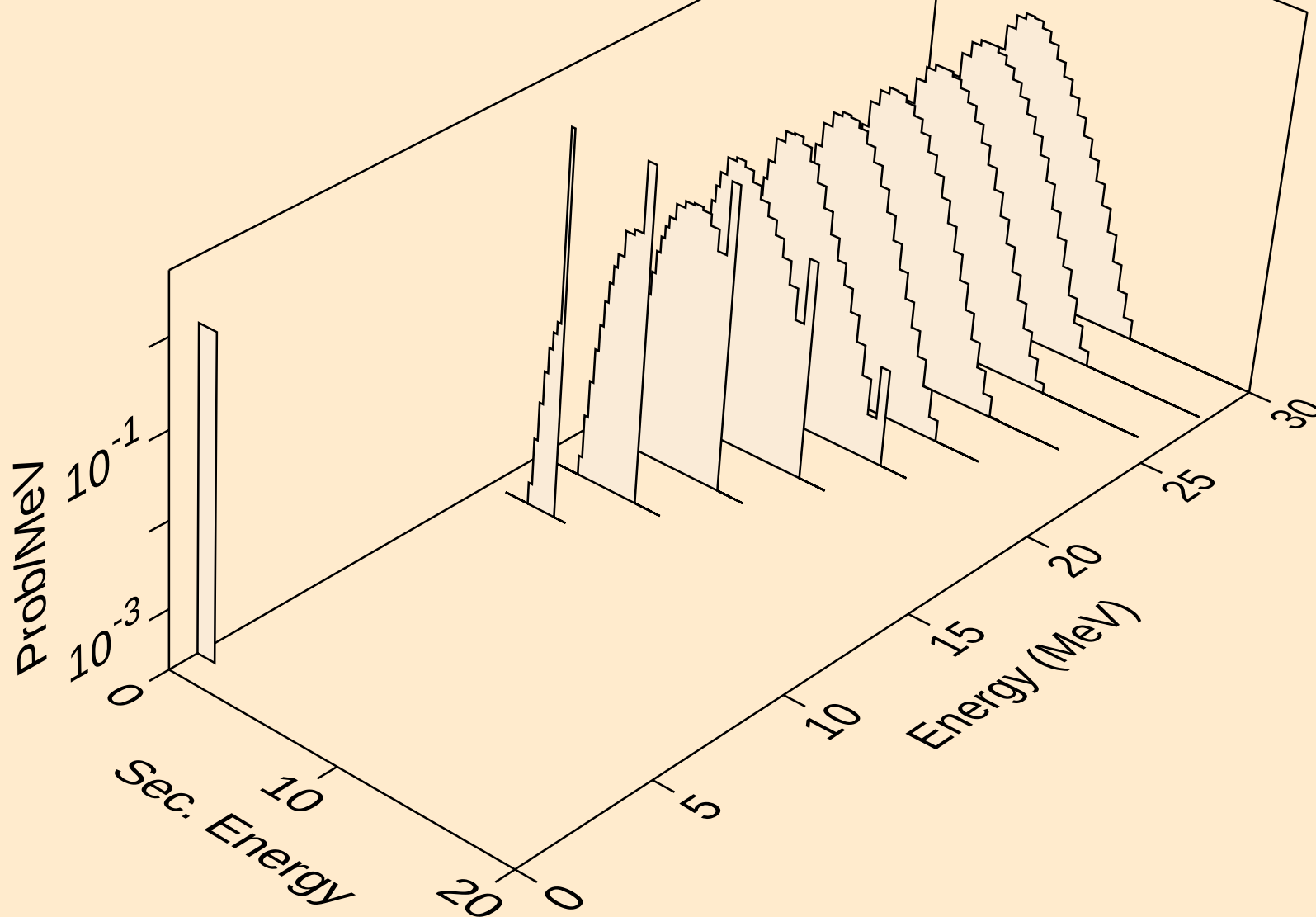
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protons from (a,p)



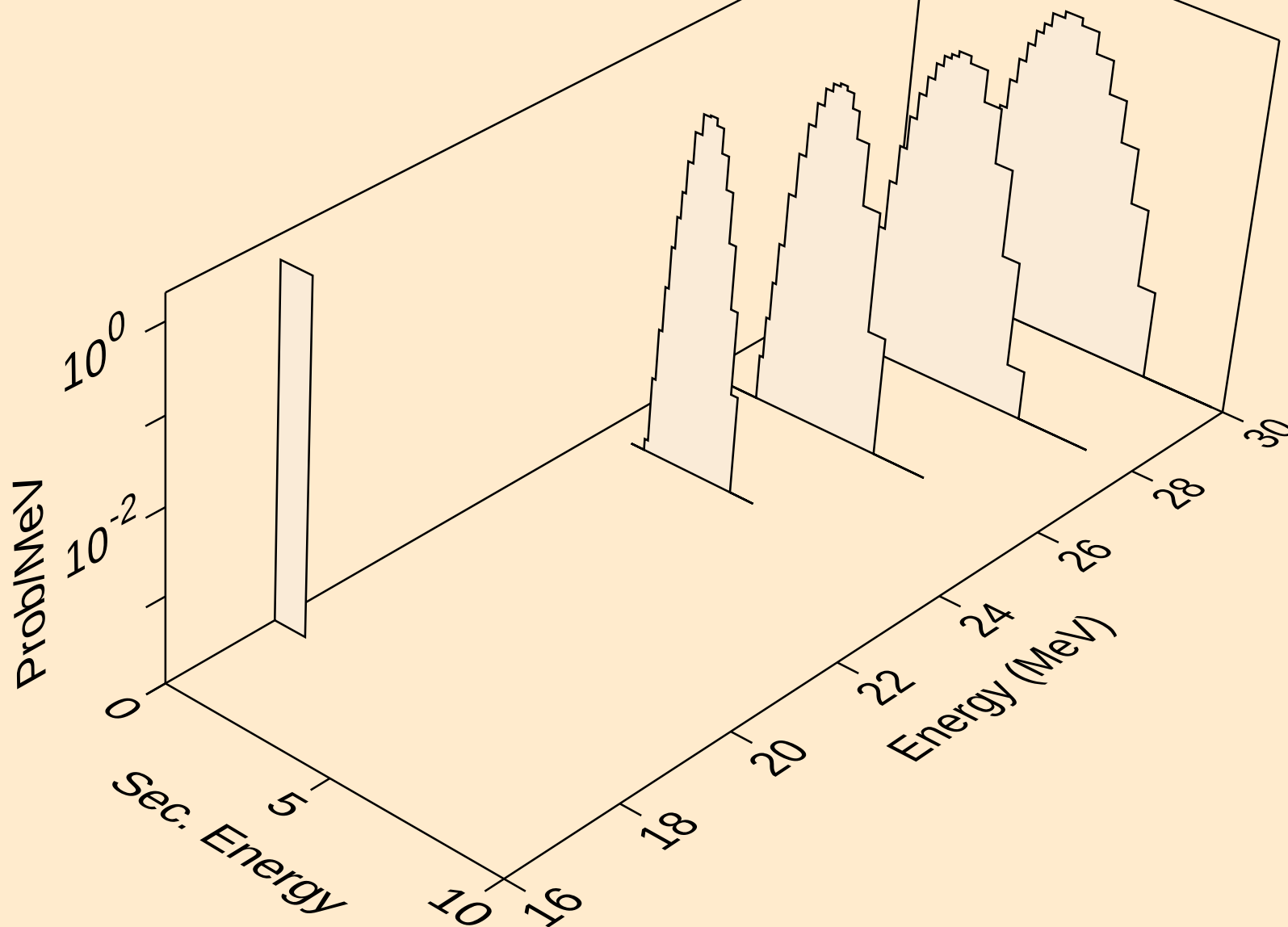
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protons from (a,2p)



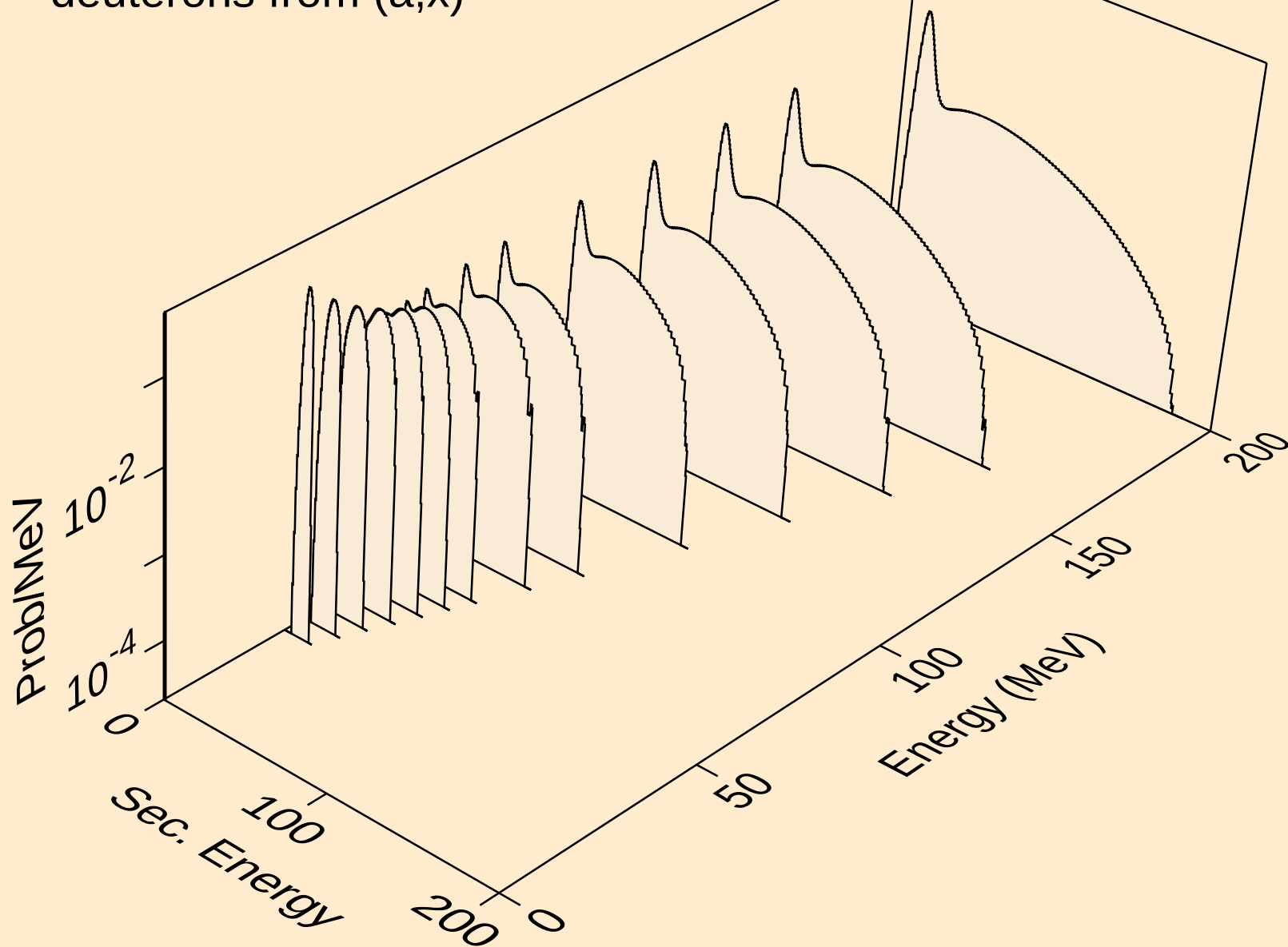
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protons from (a,pa)



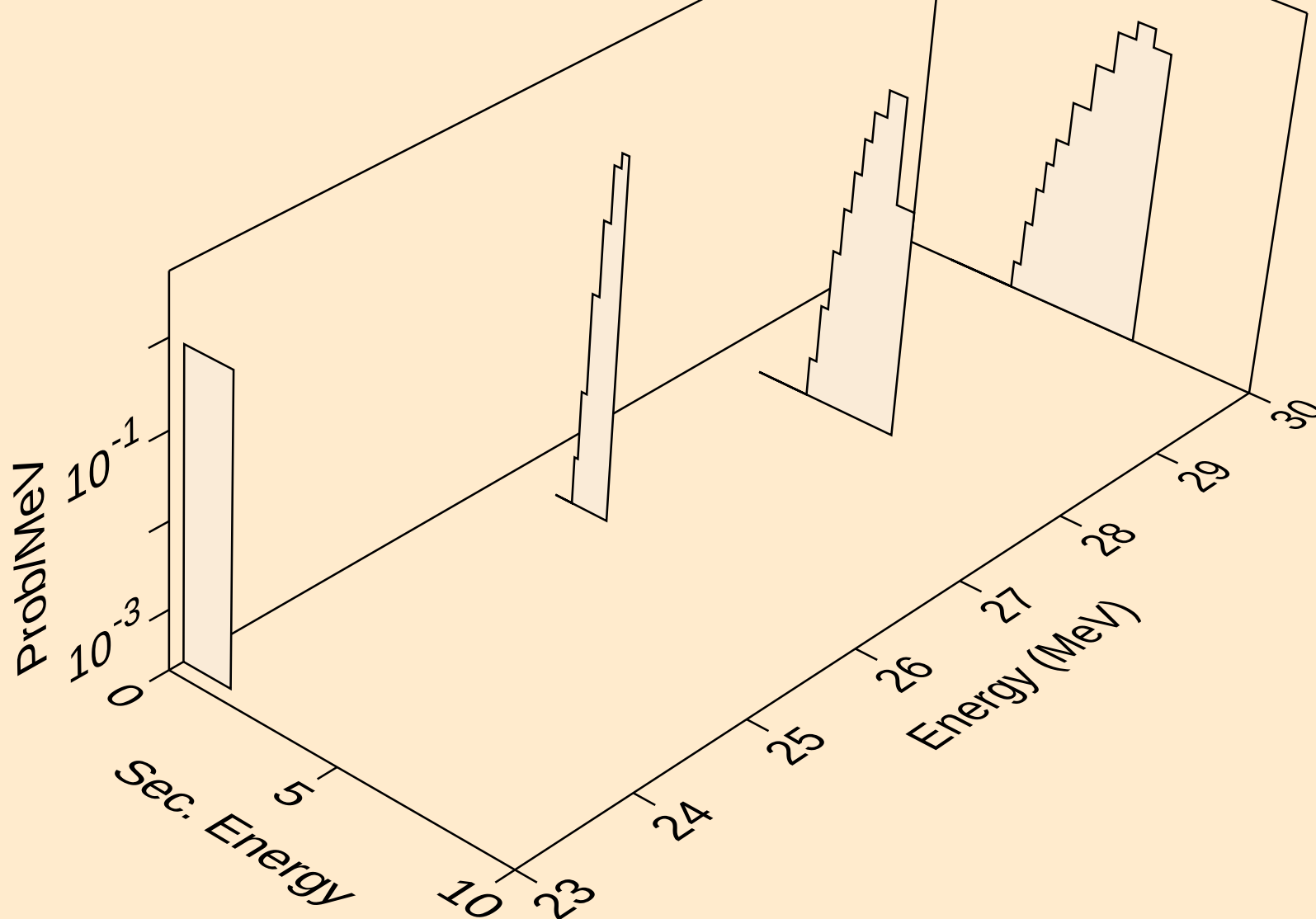
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,pd)



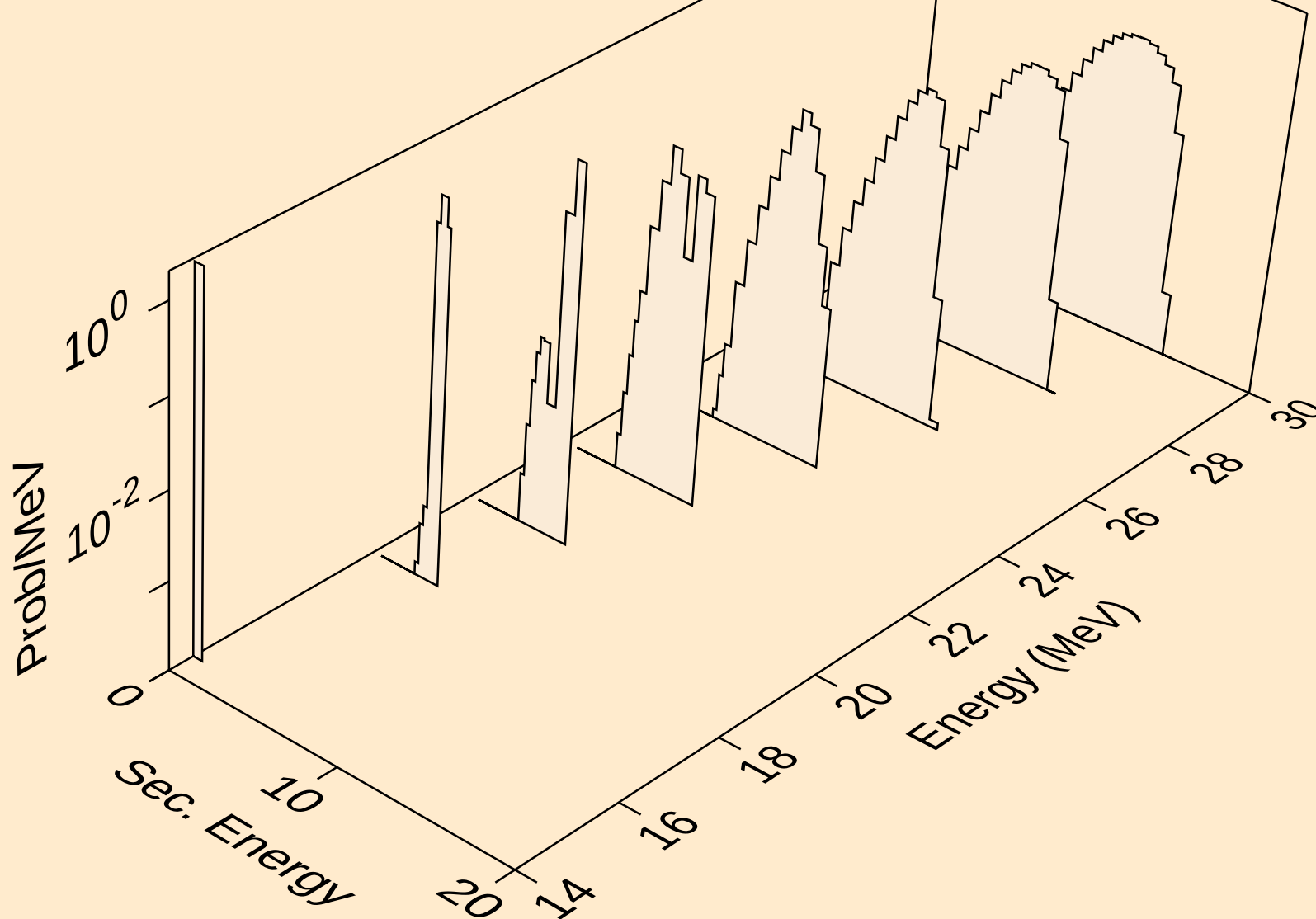
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



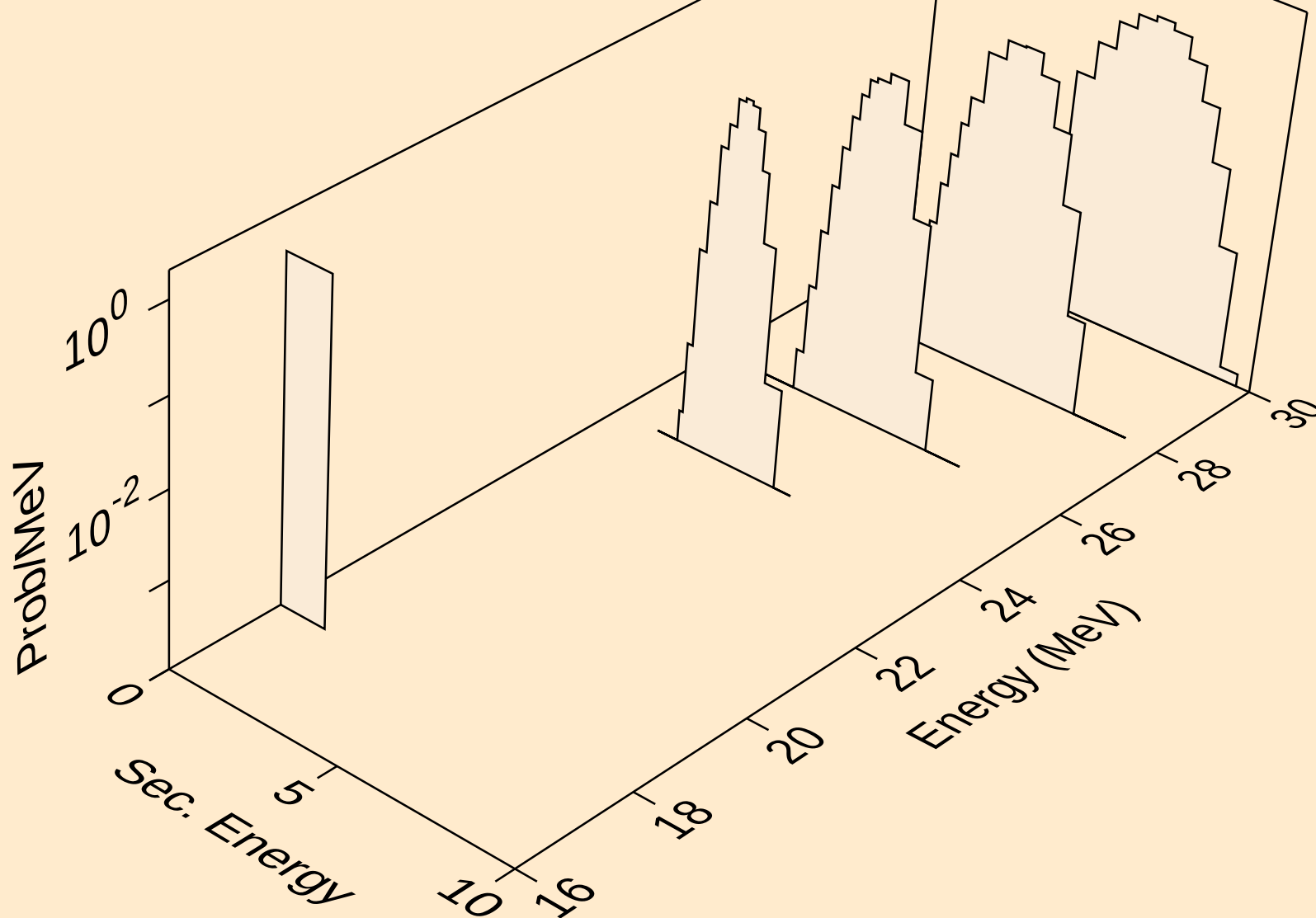
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,n*)d



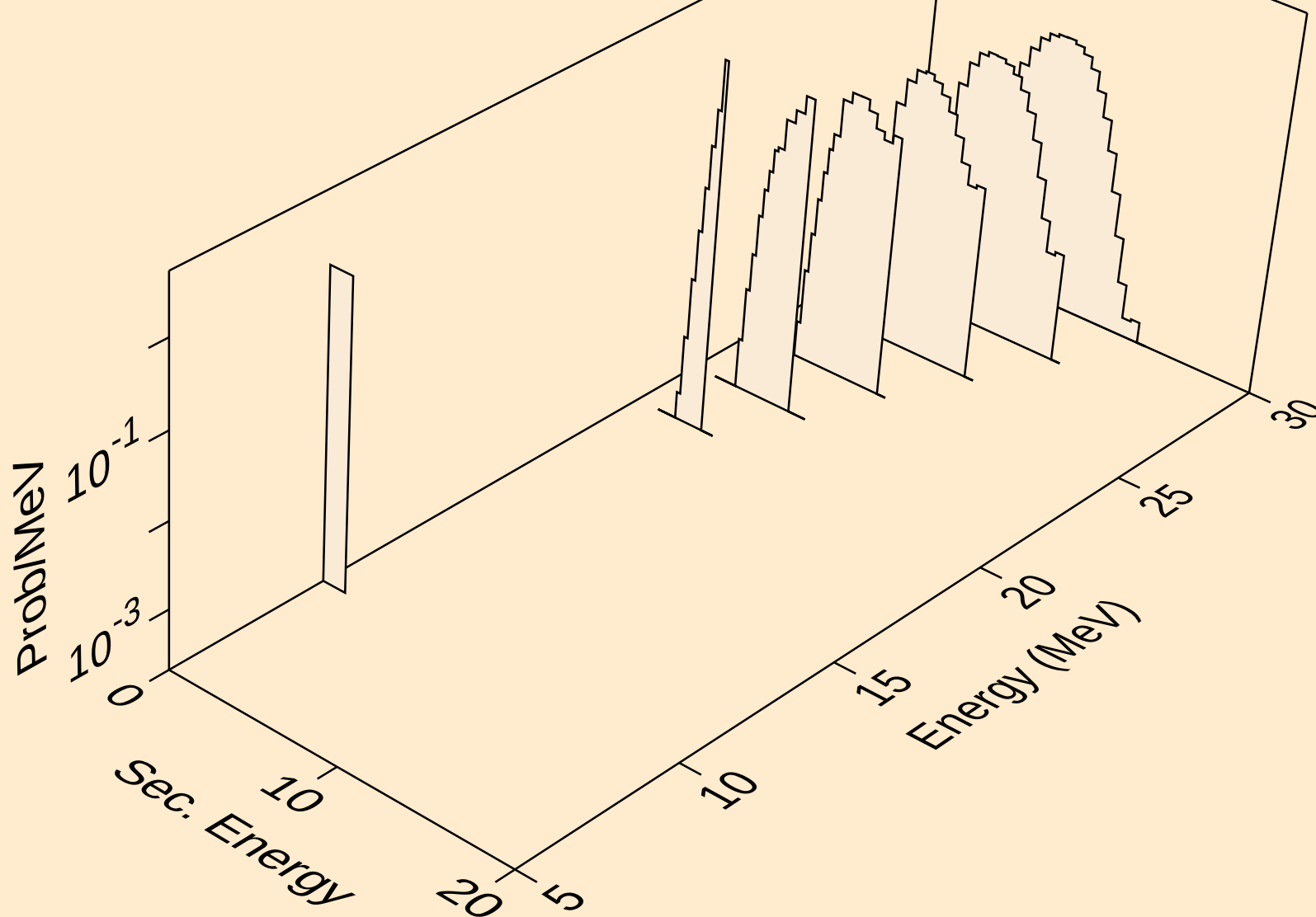
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)



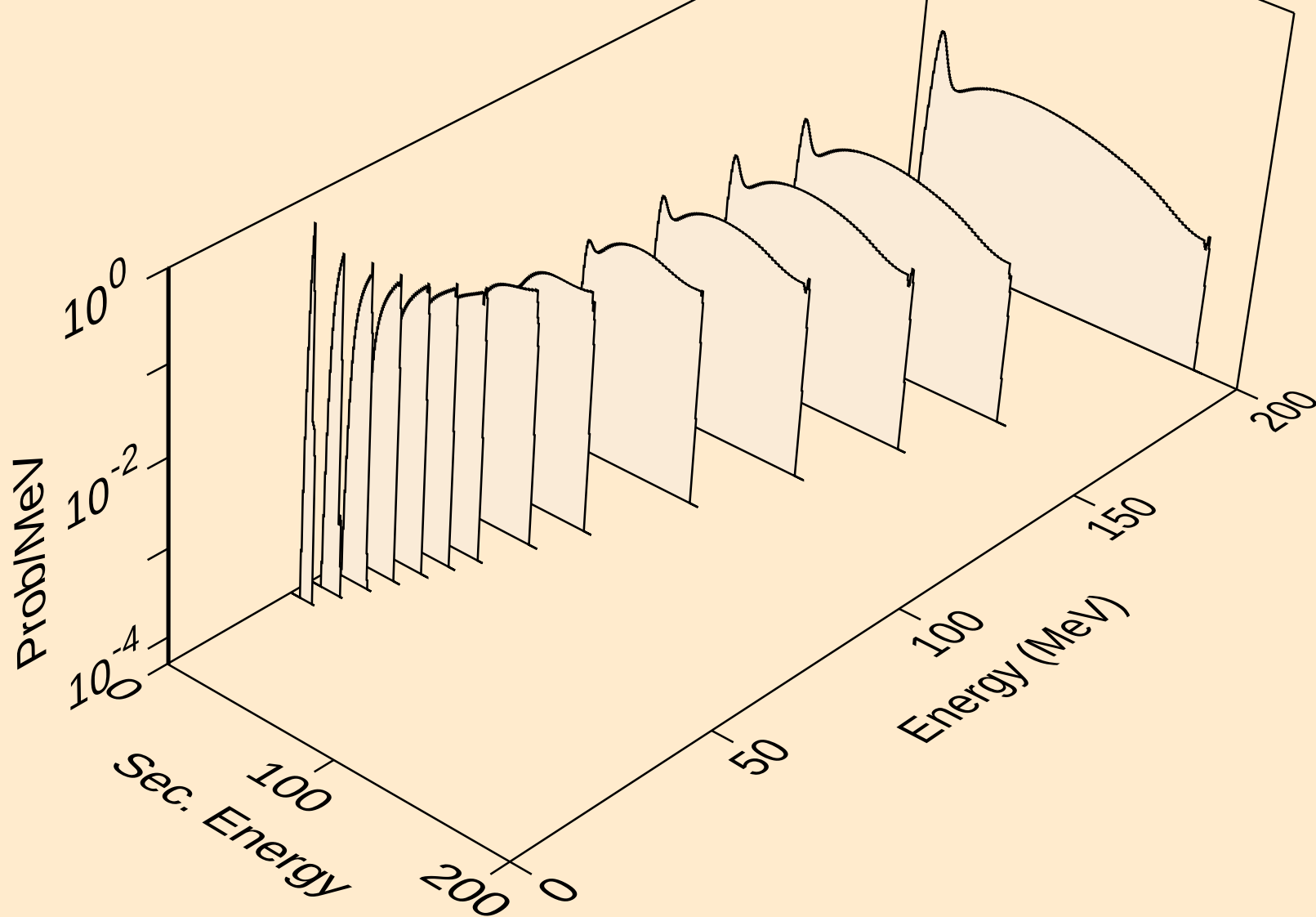
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,pd)



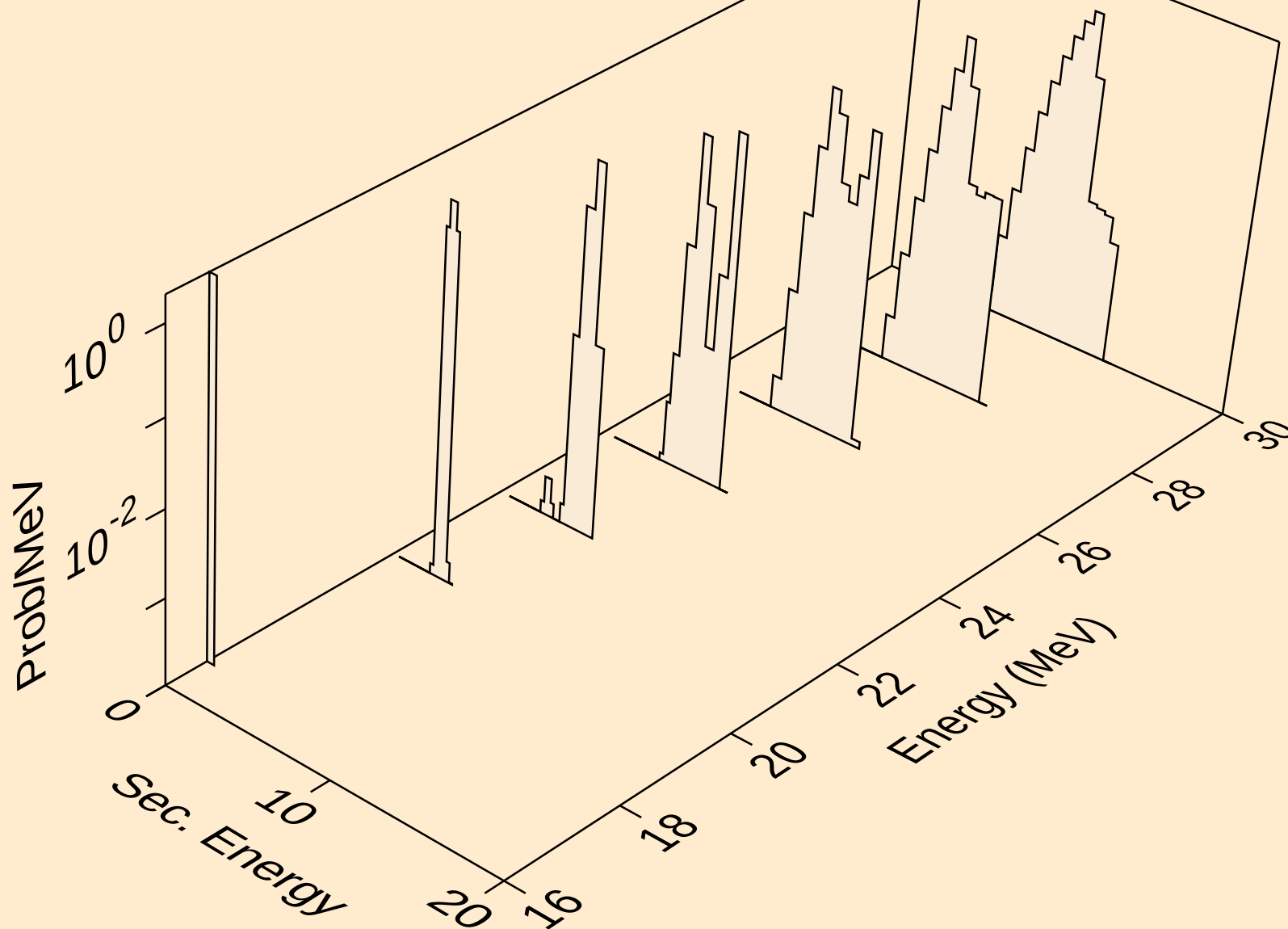
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,da)



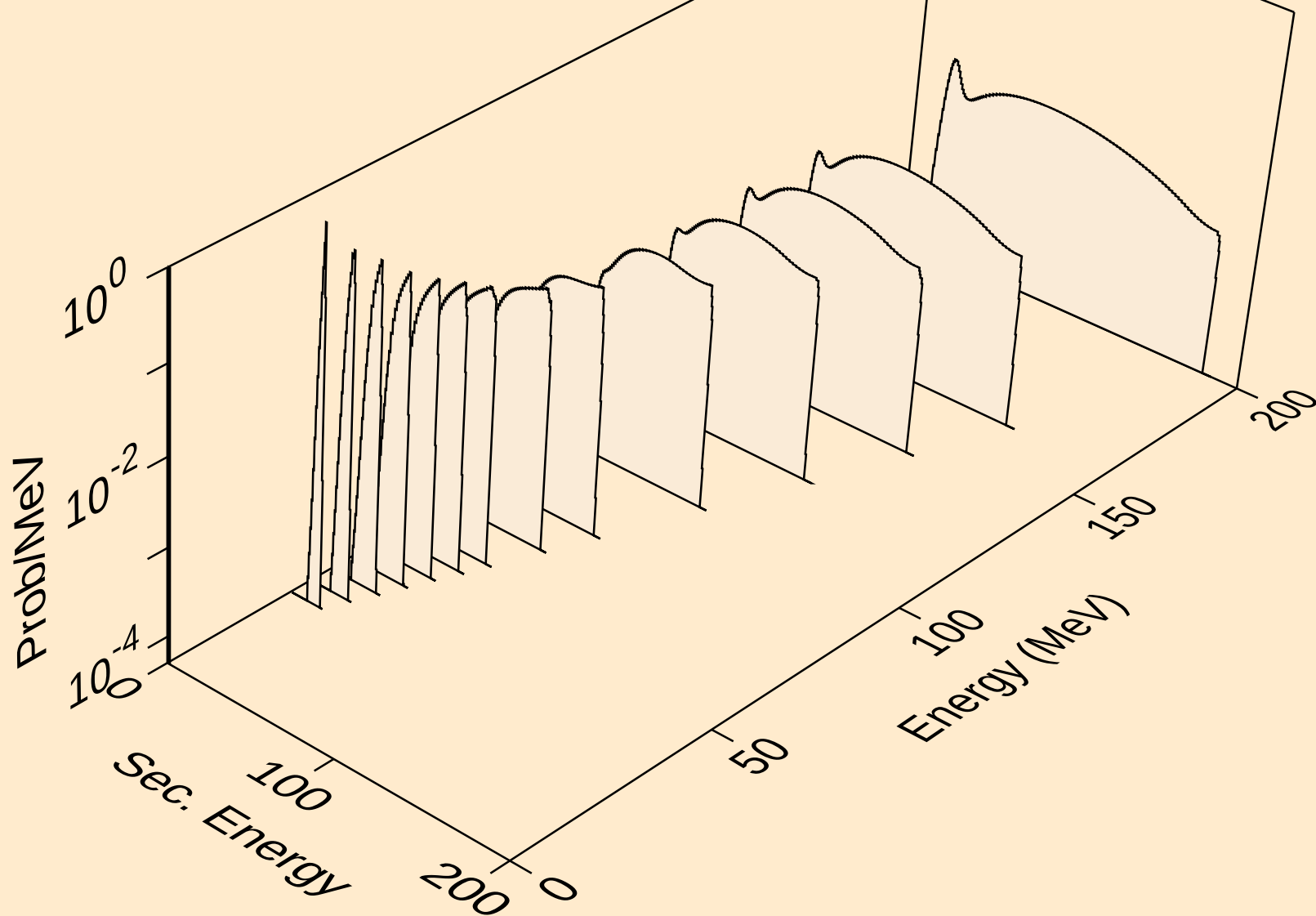
LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



LU159 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

