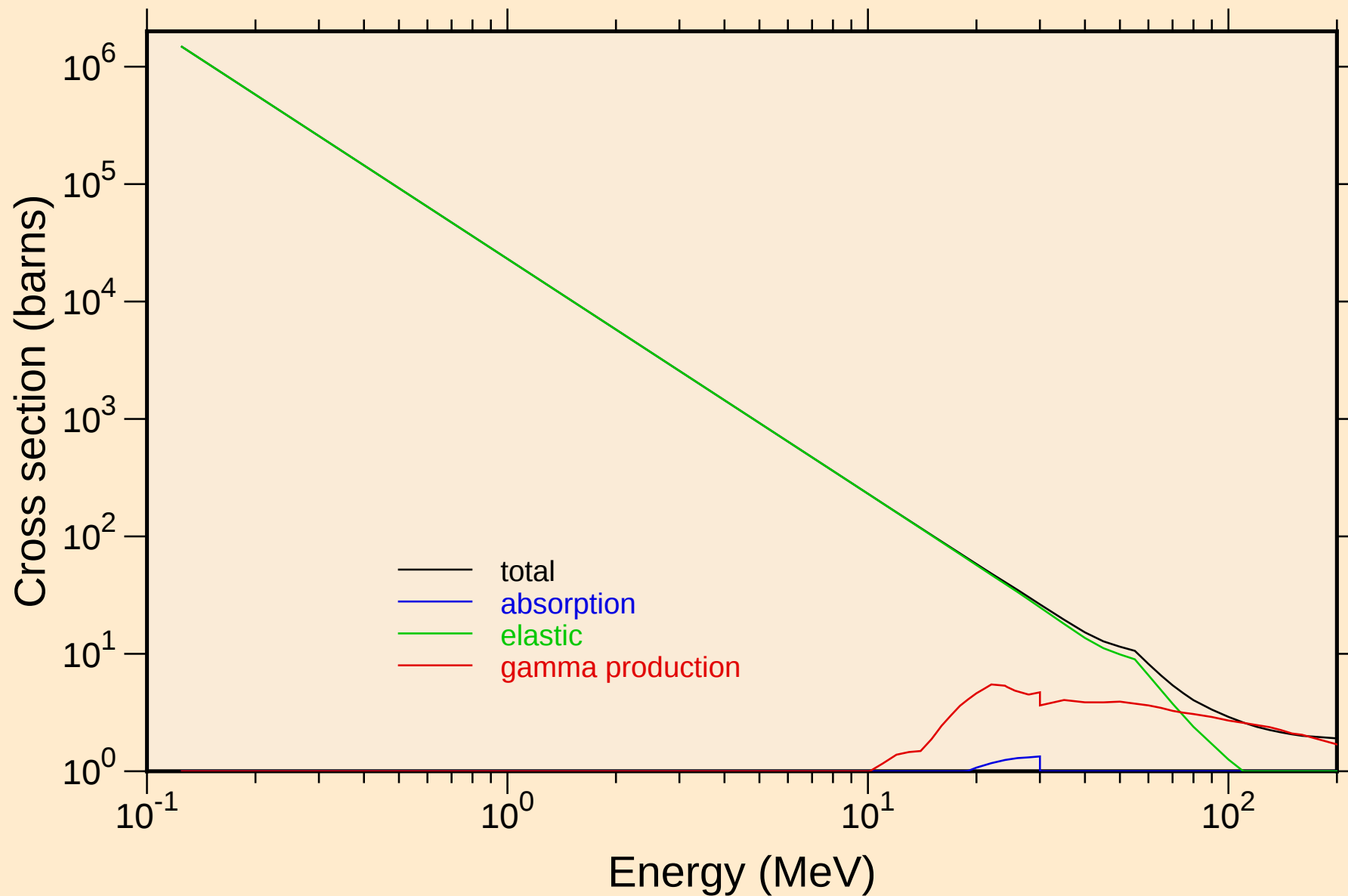


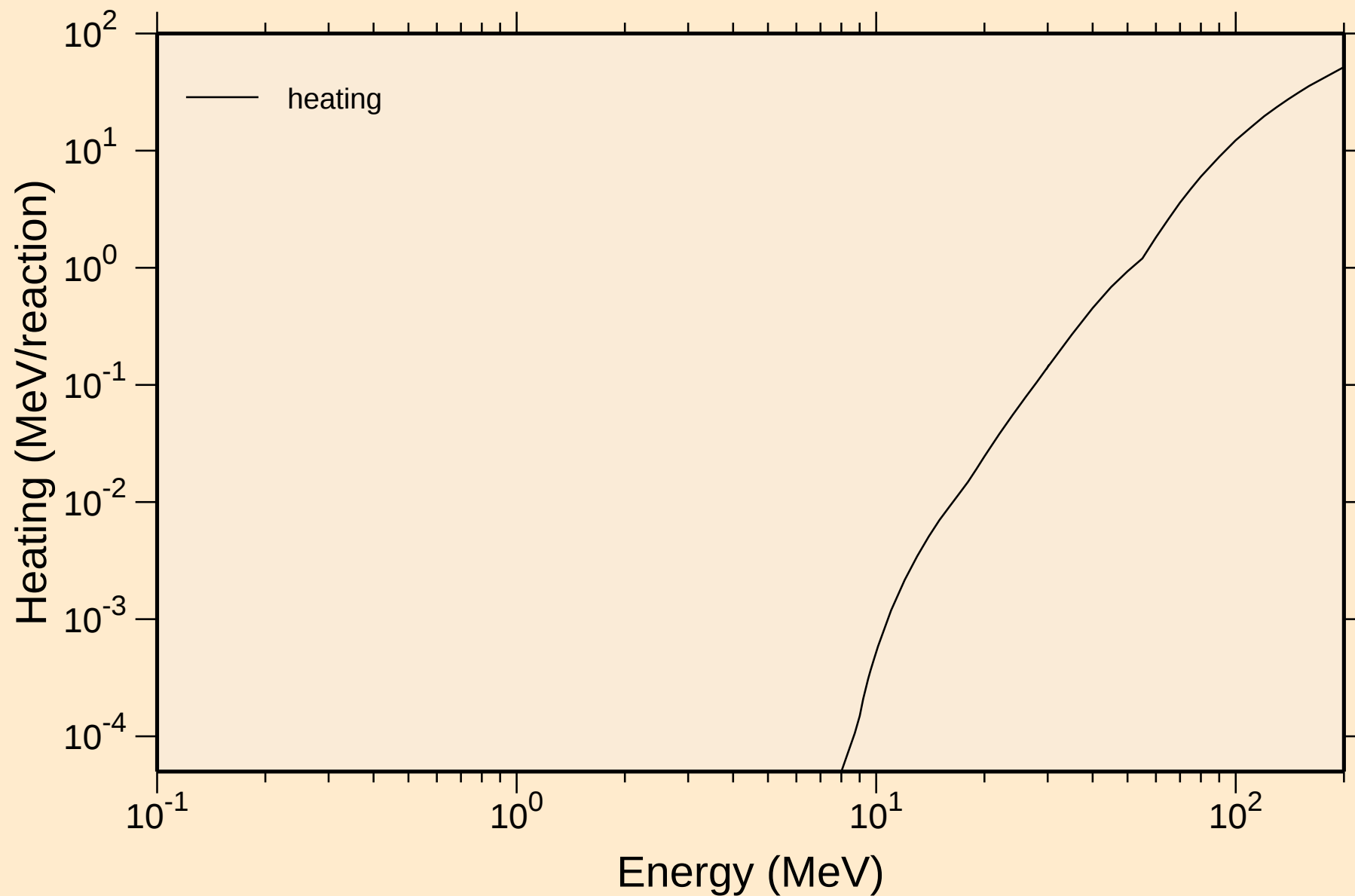
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



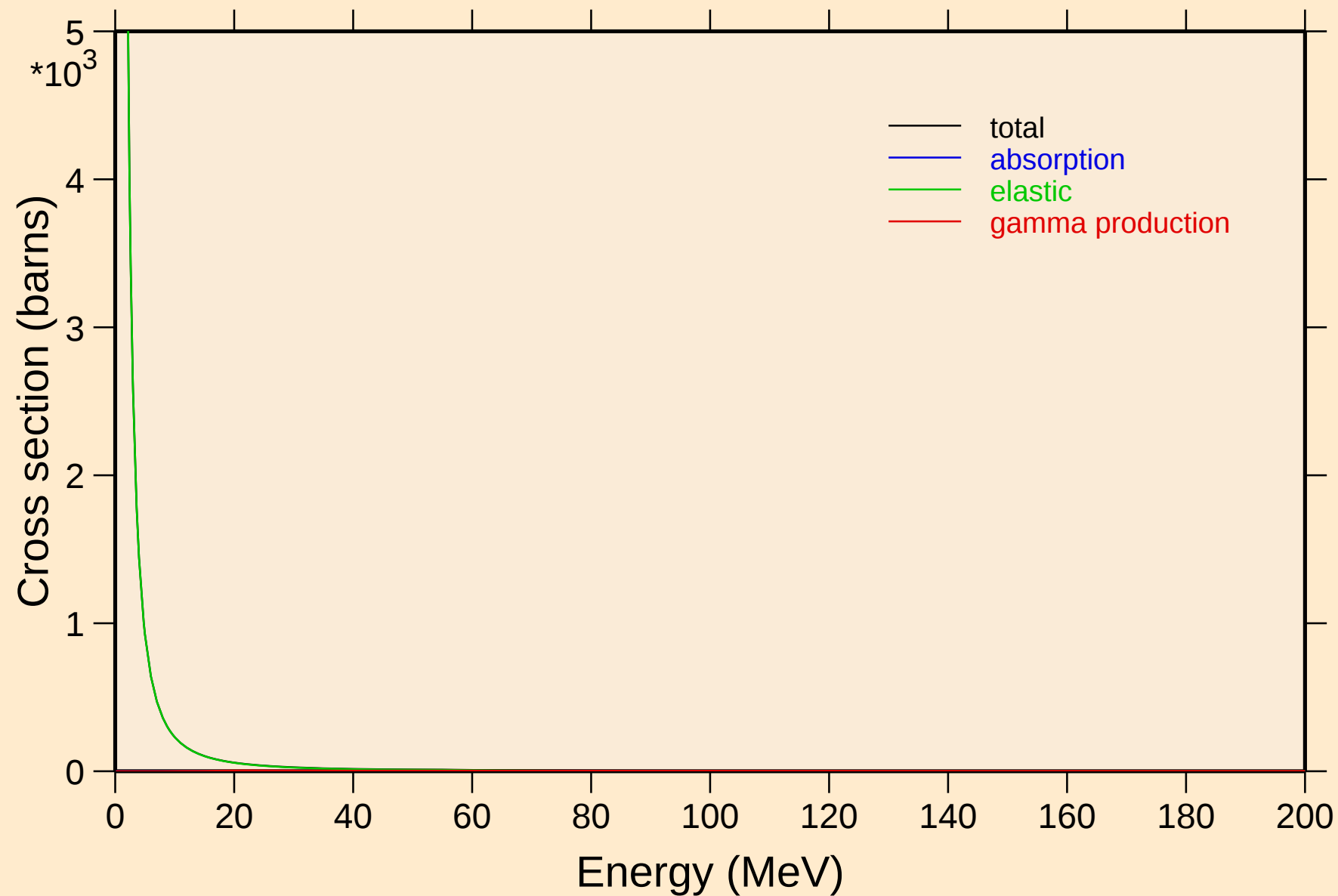
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Heating



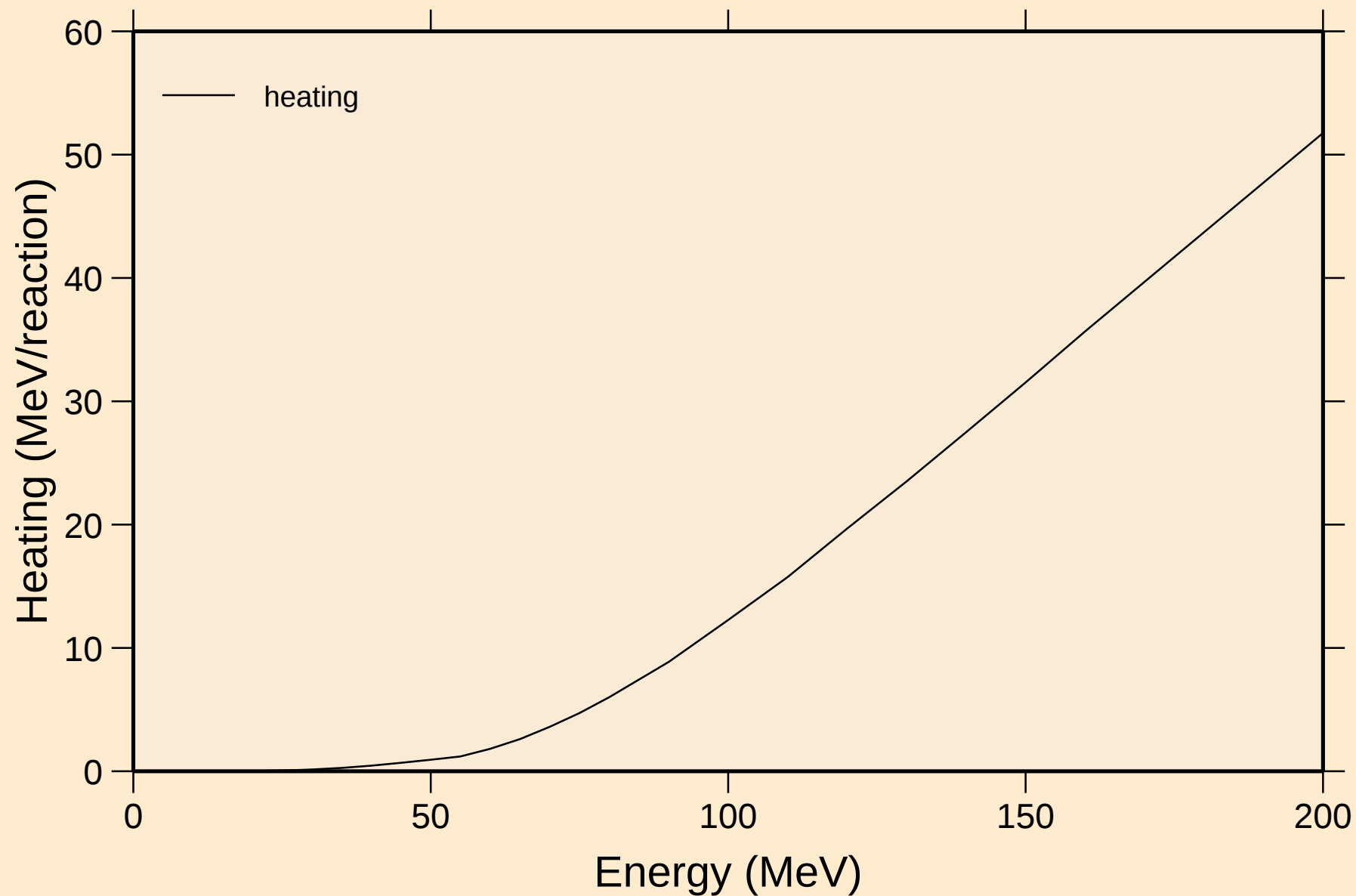
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



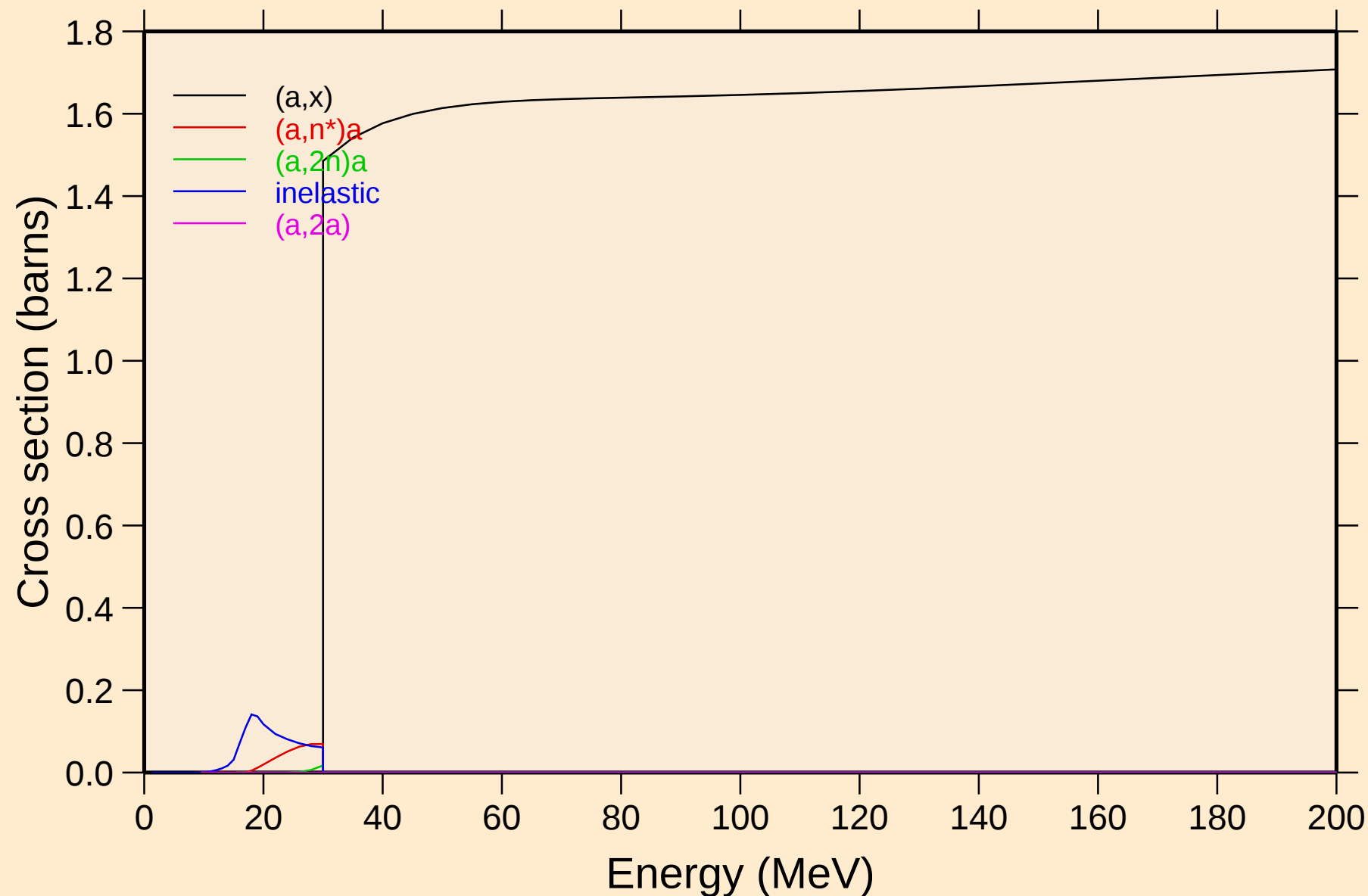
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Heating



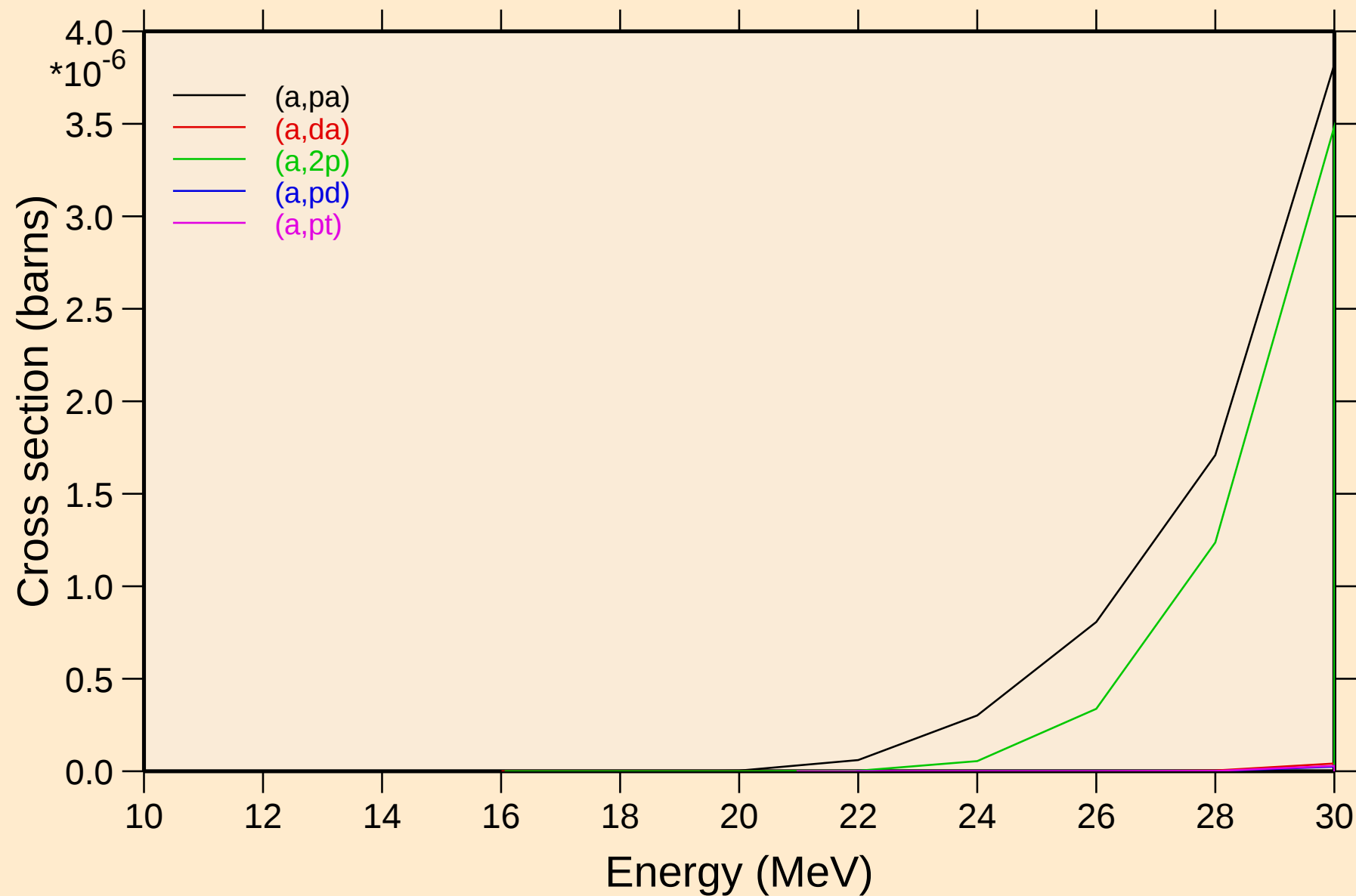
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Threshold reactions



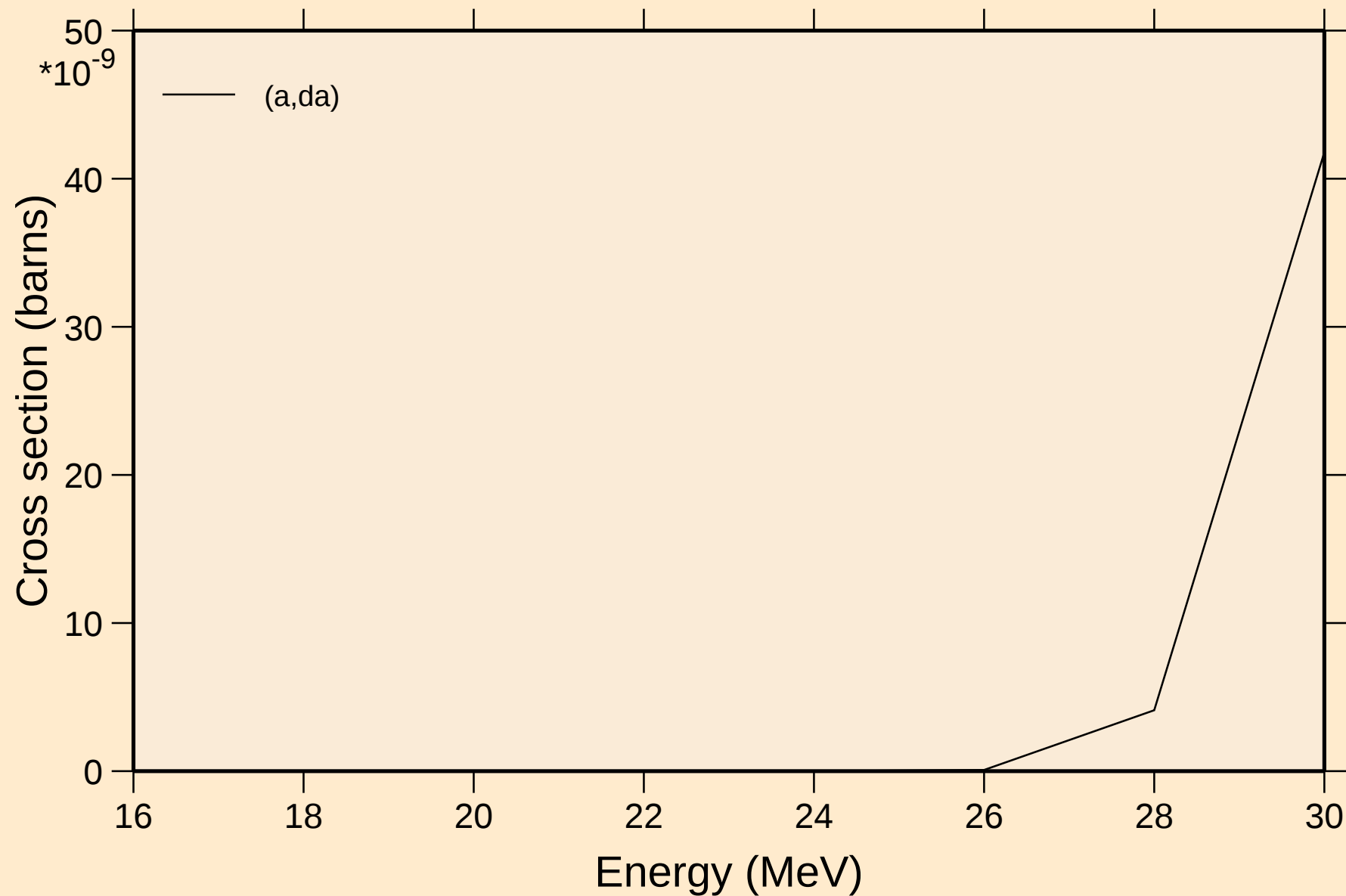
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

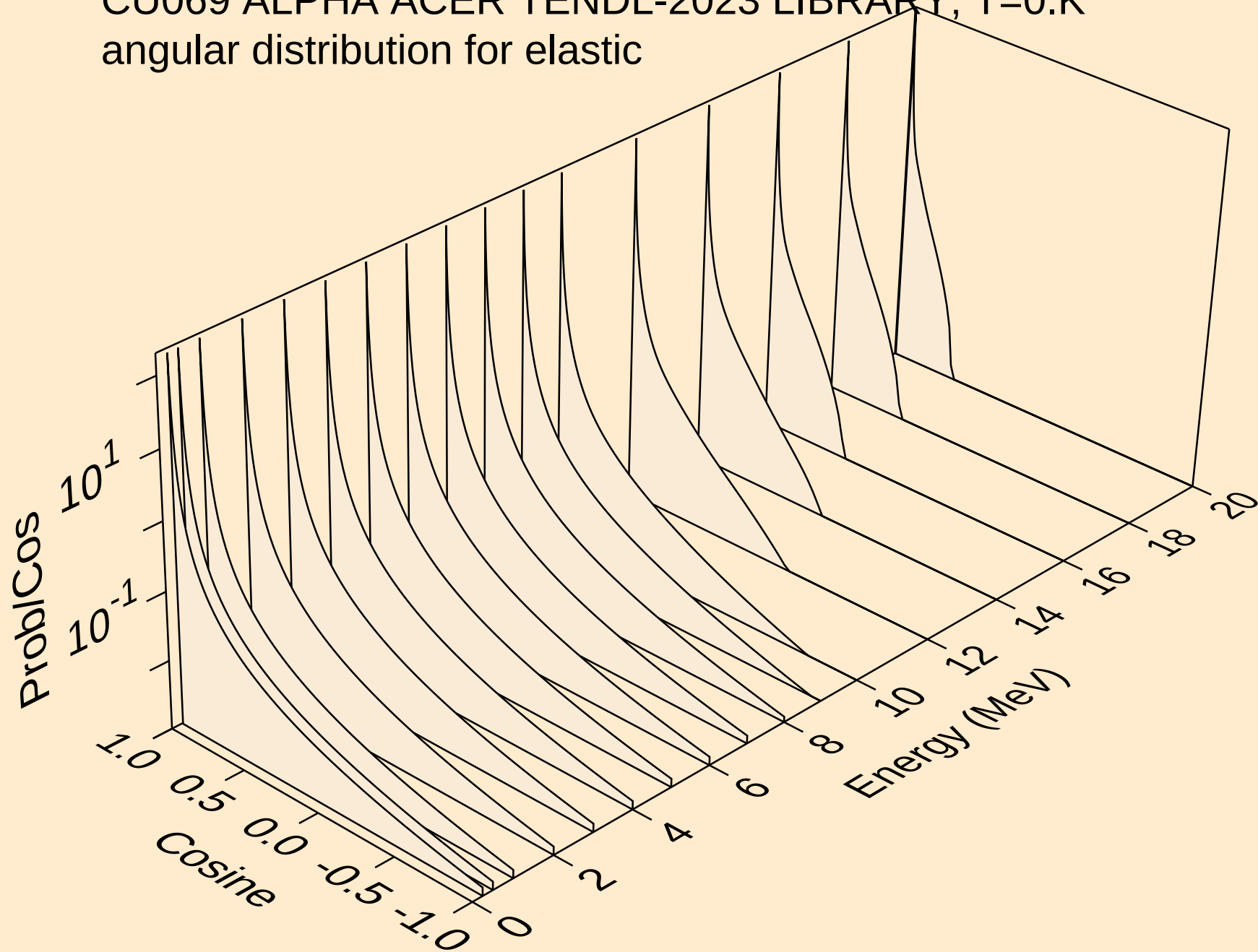


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

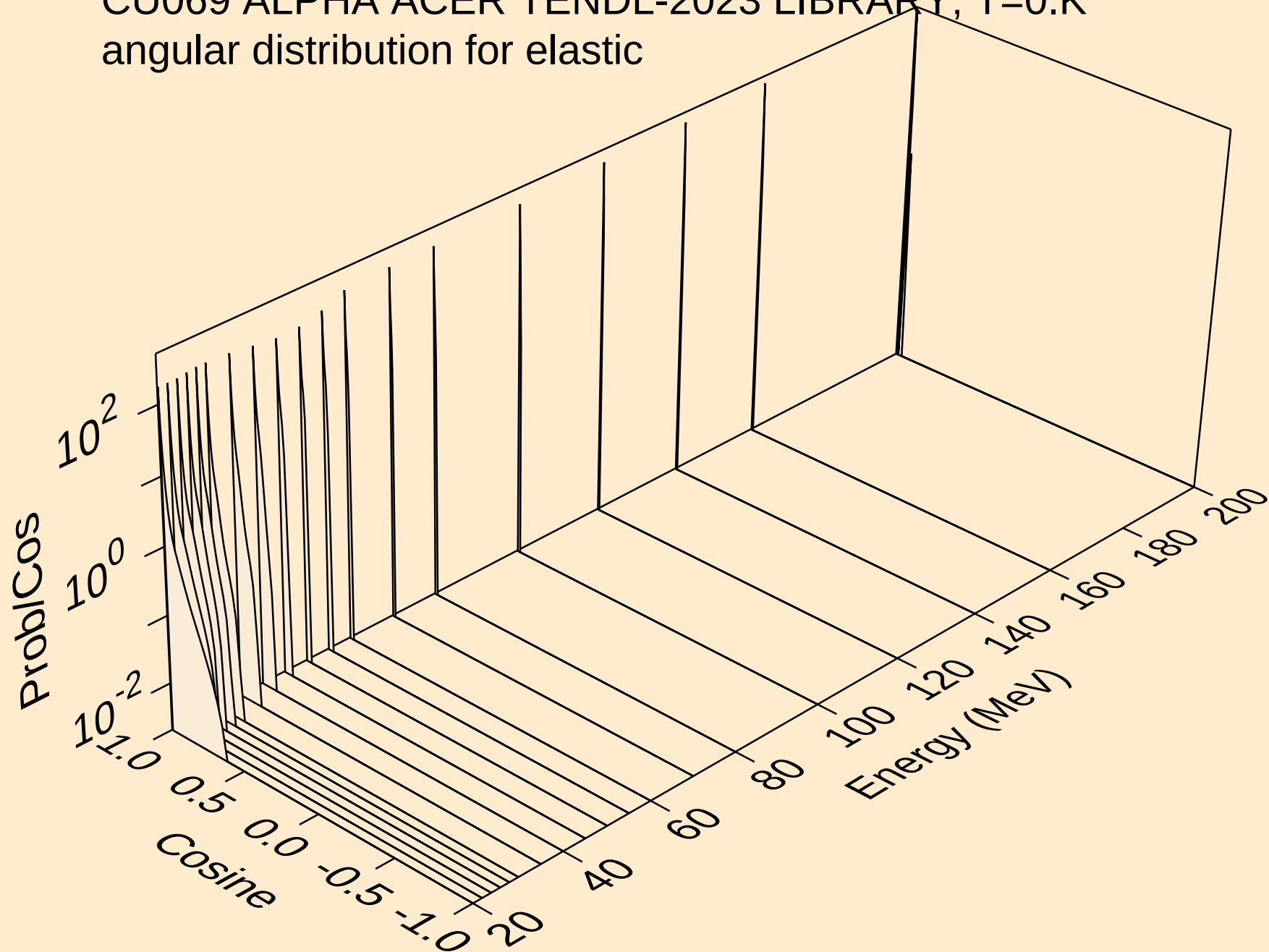
Threshold reactions



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

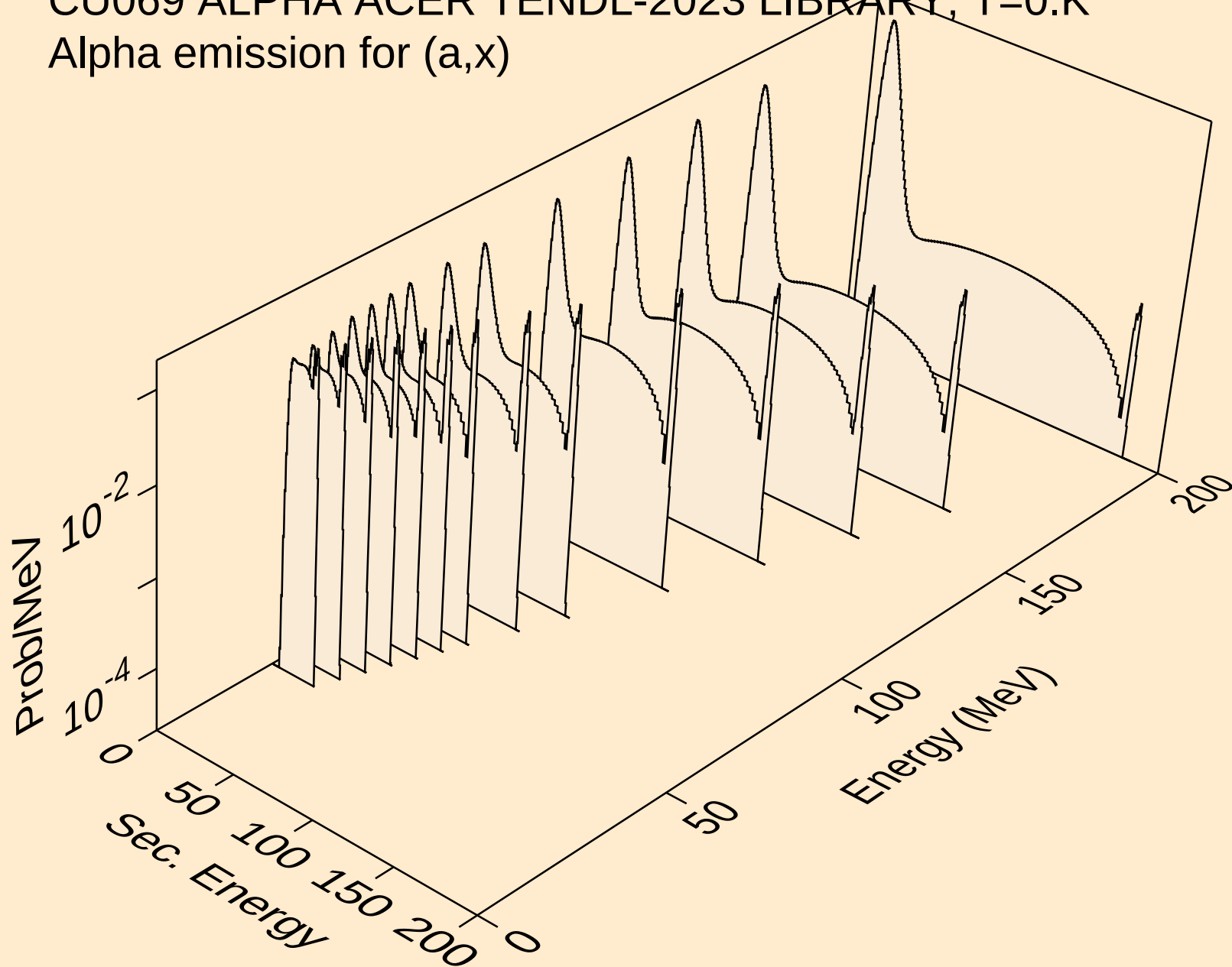


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



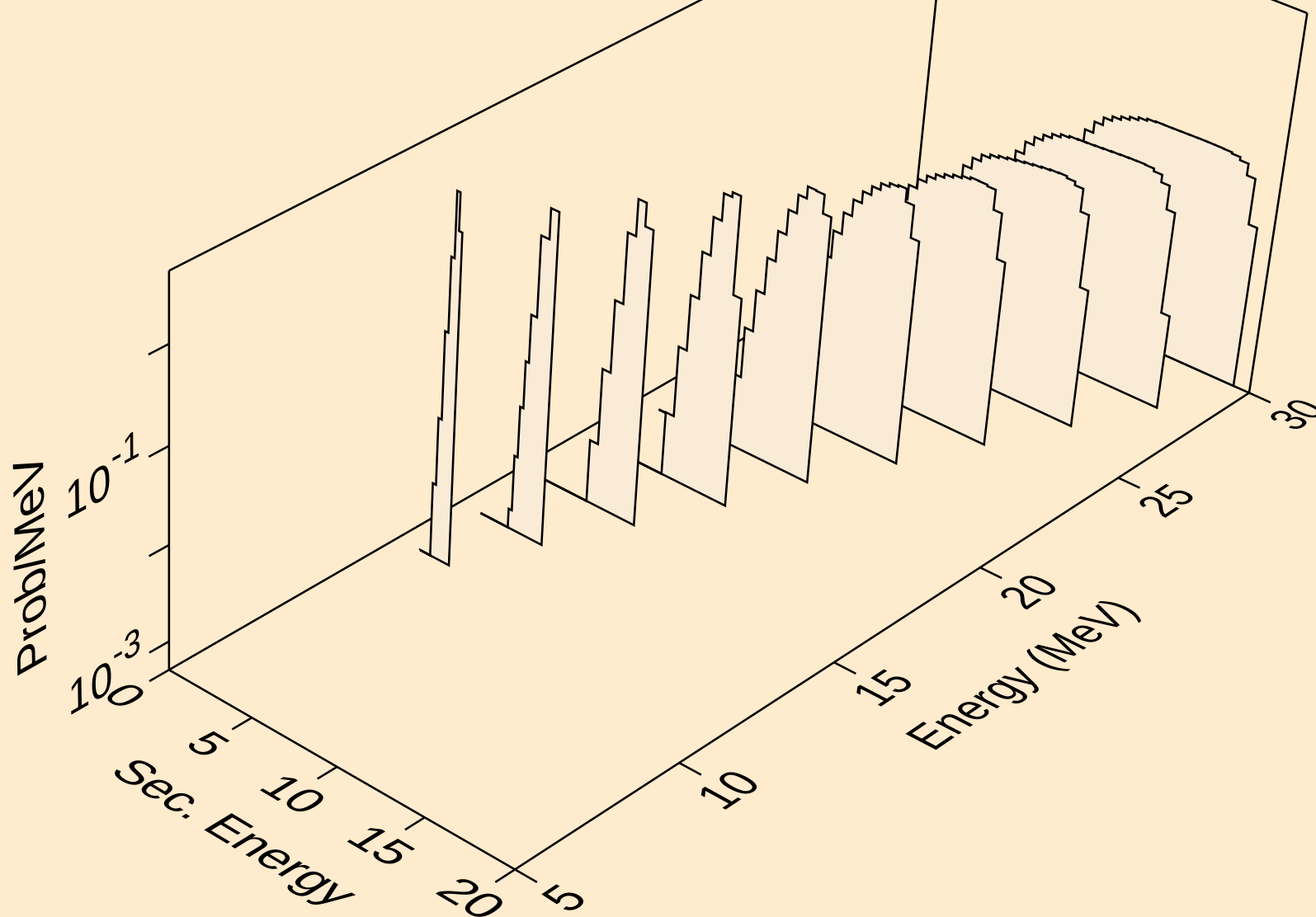
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



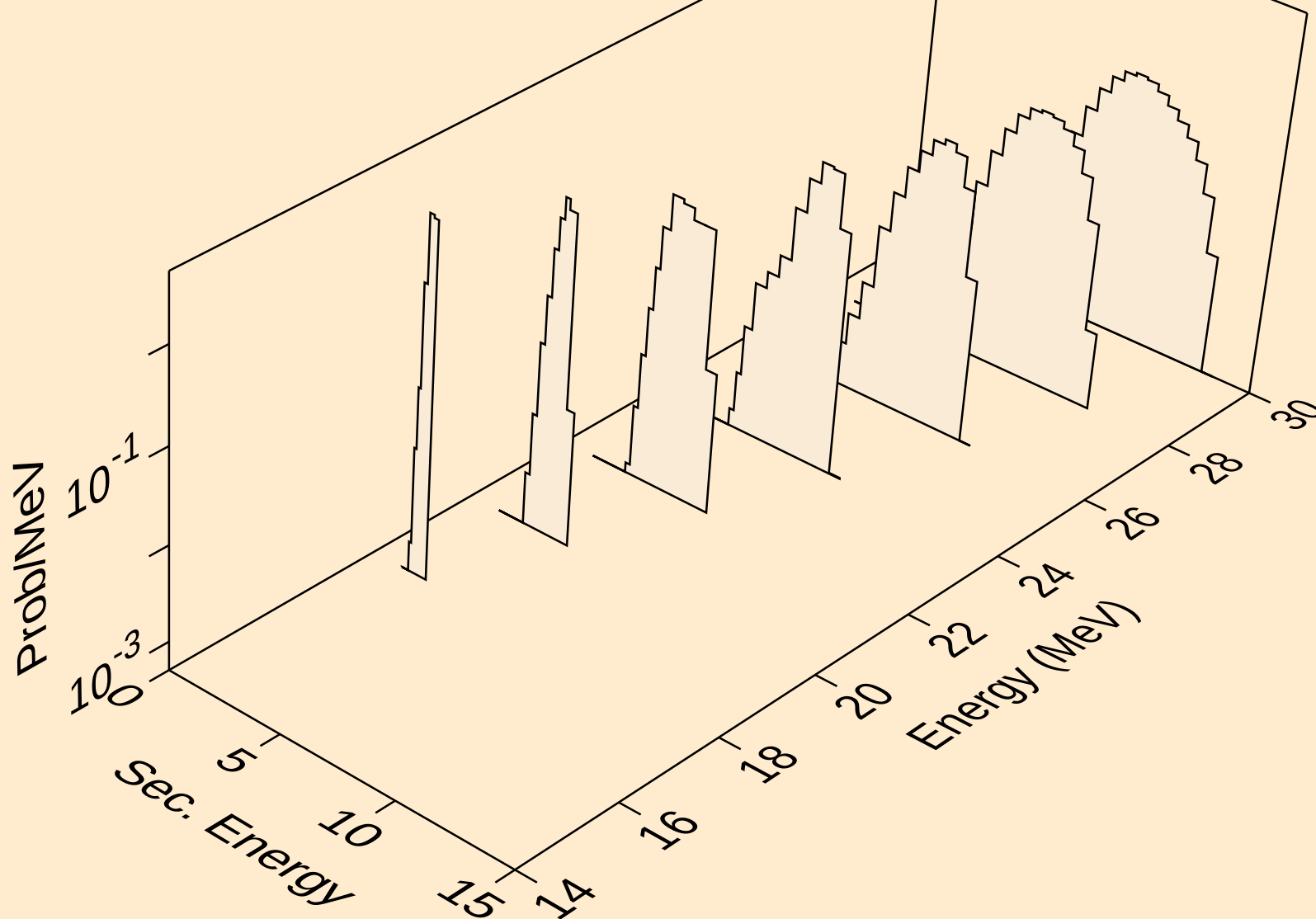
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a

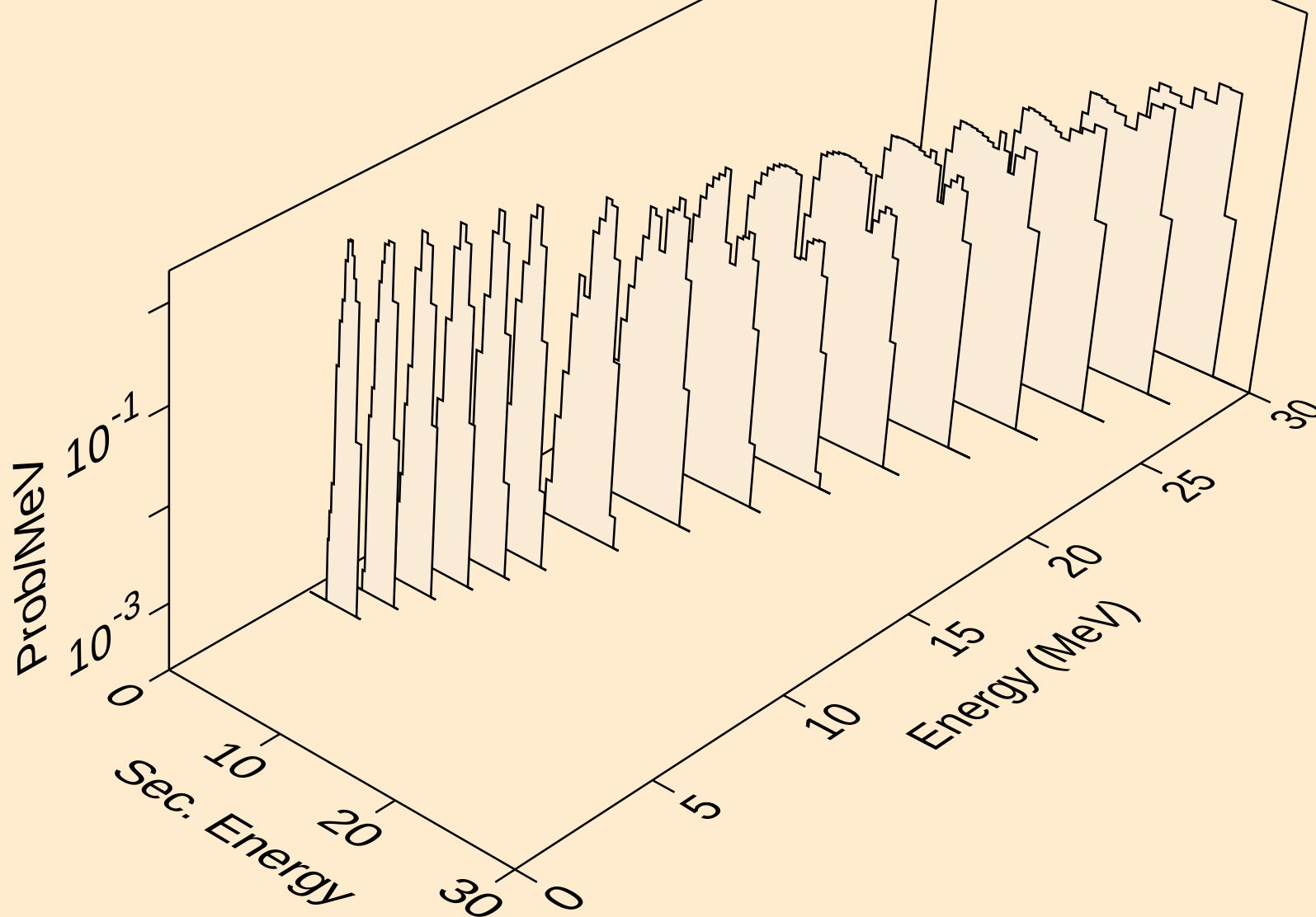


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a

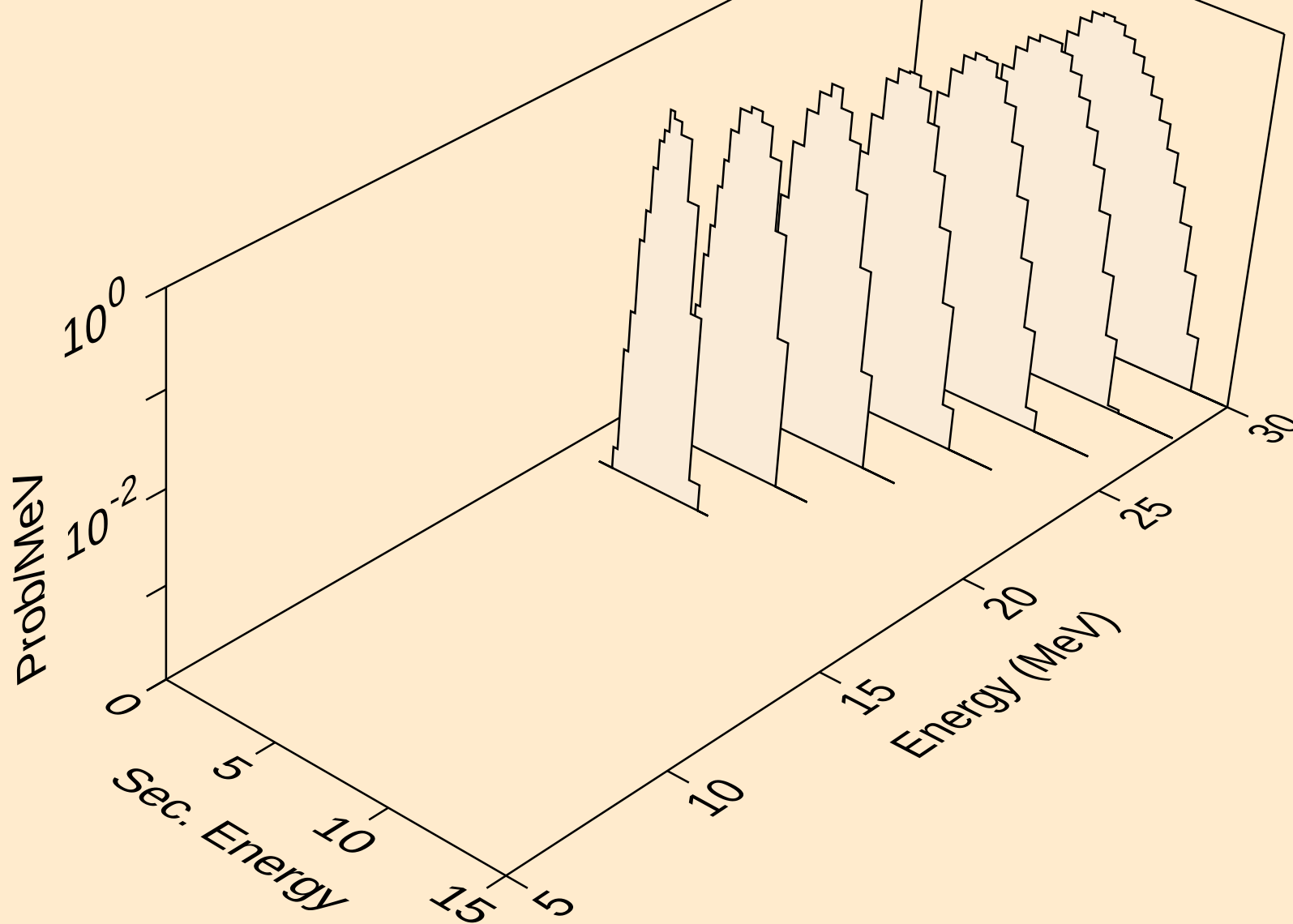


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for inelastic



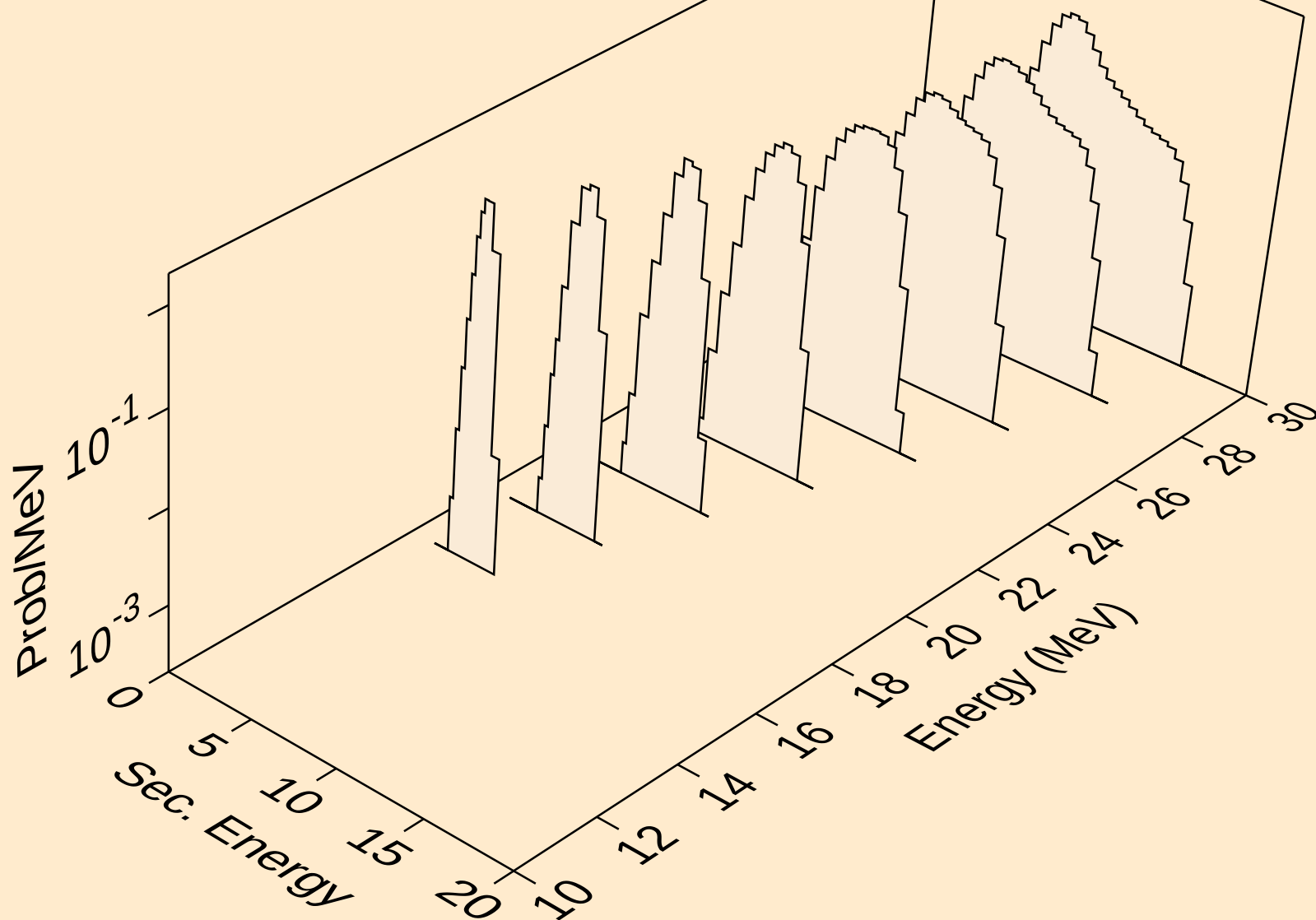
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2a)



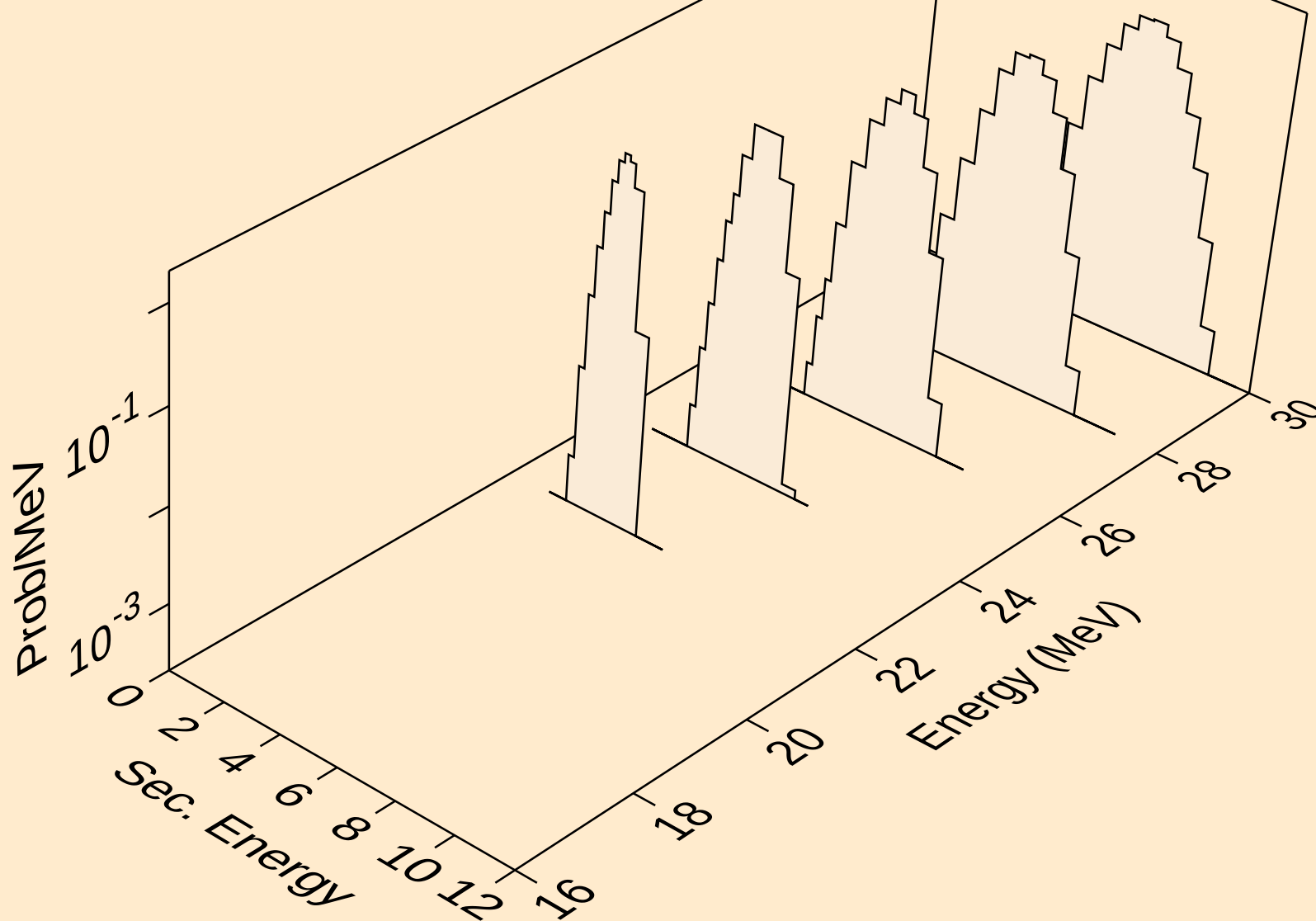
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,pa)

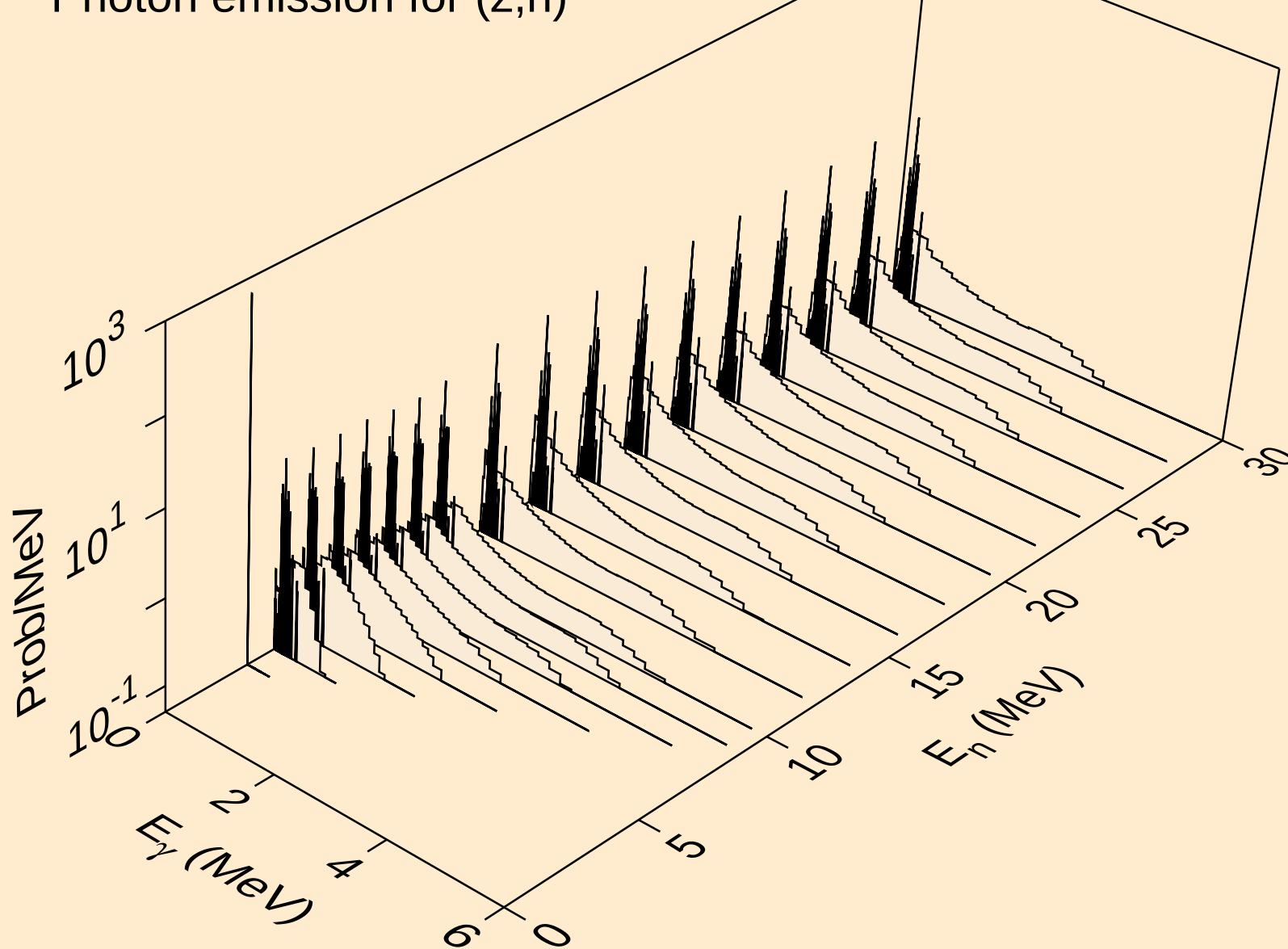


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,da)

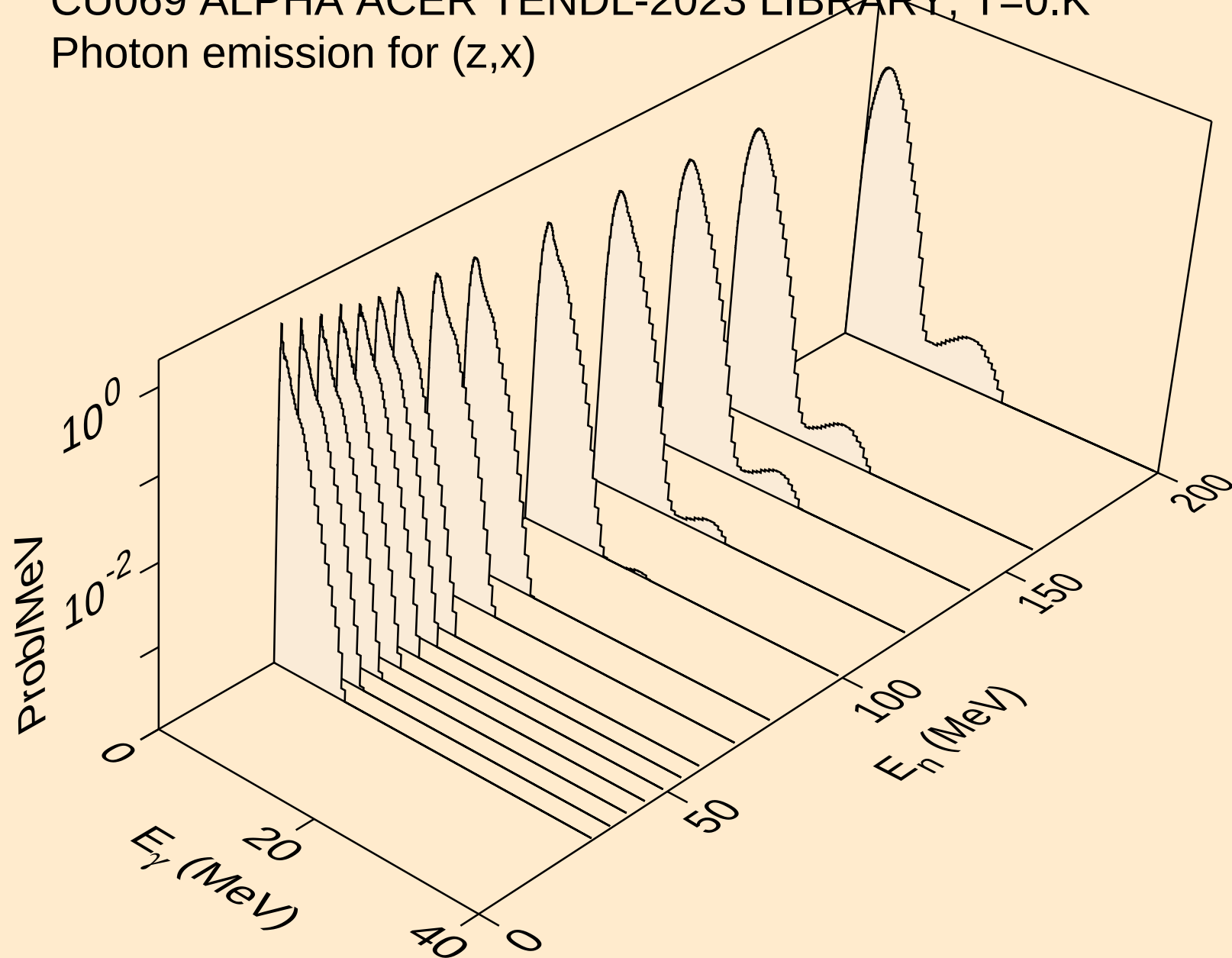


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

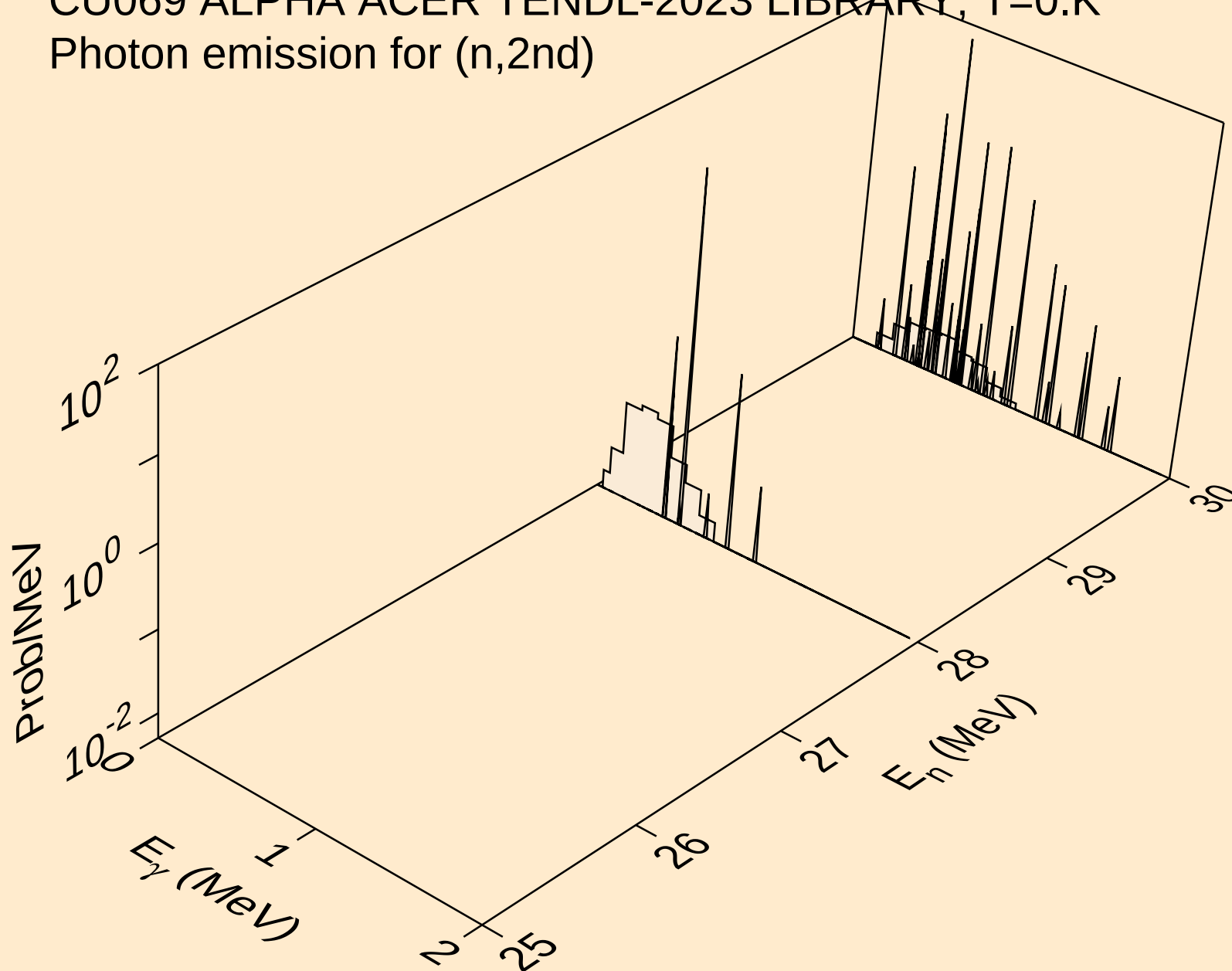


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

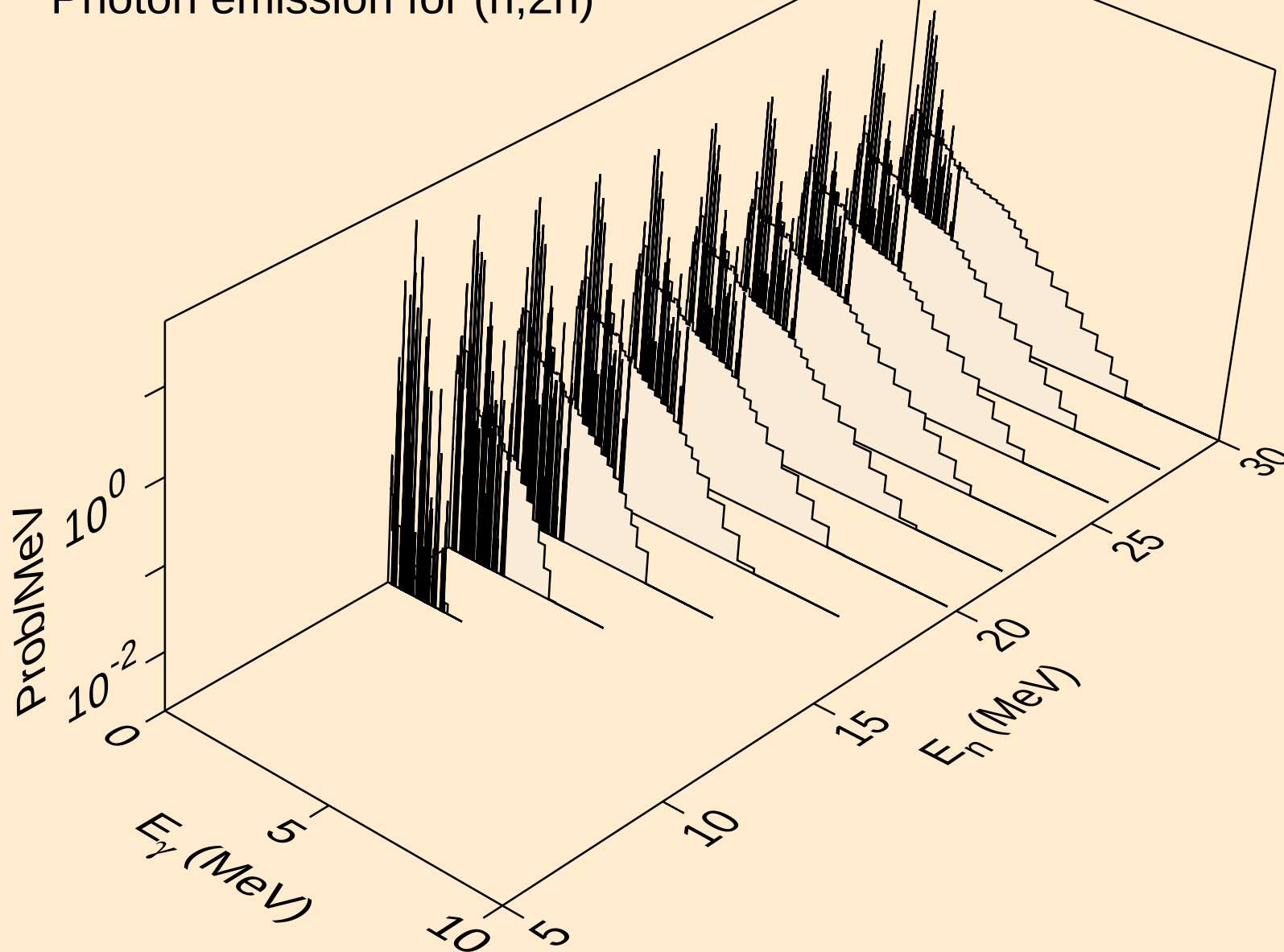
Photon emission for (z,x)



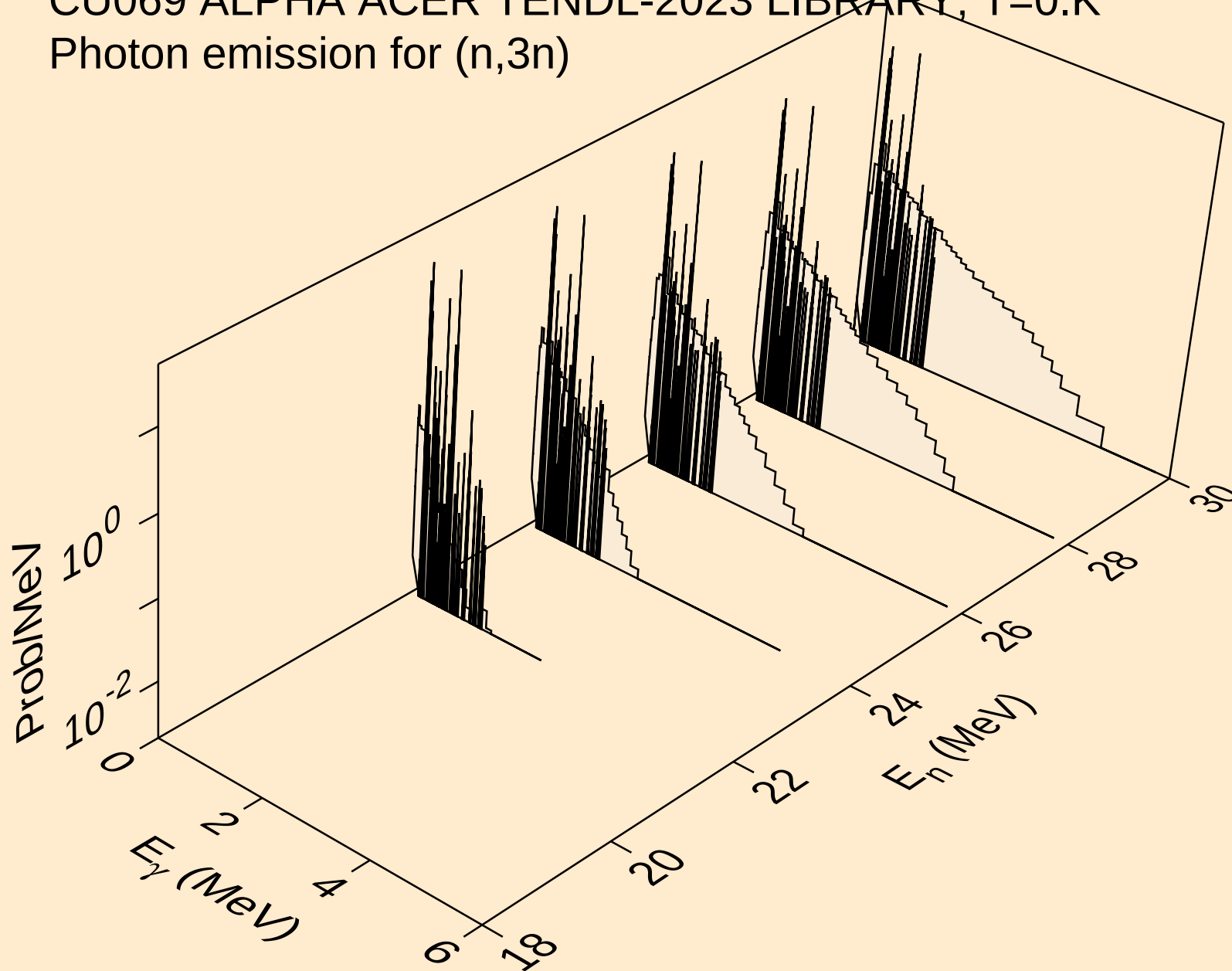
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

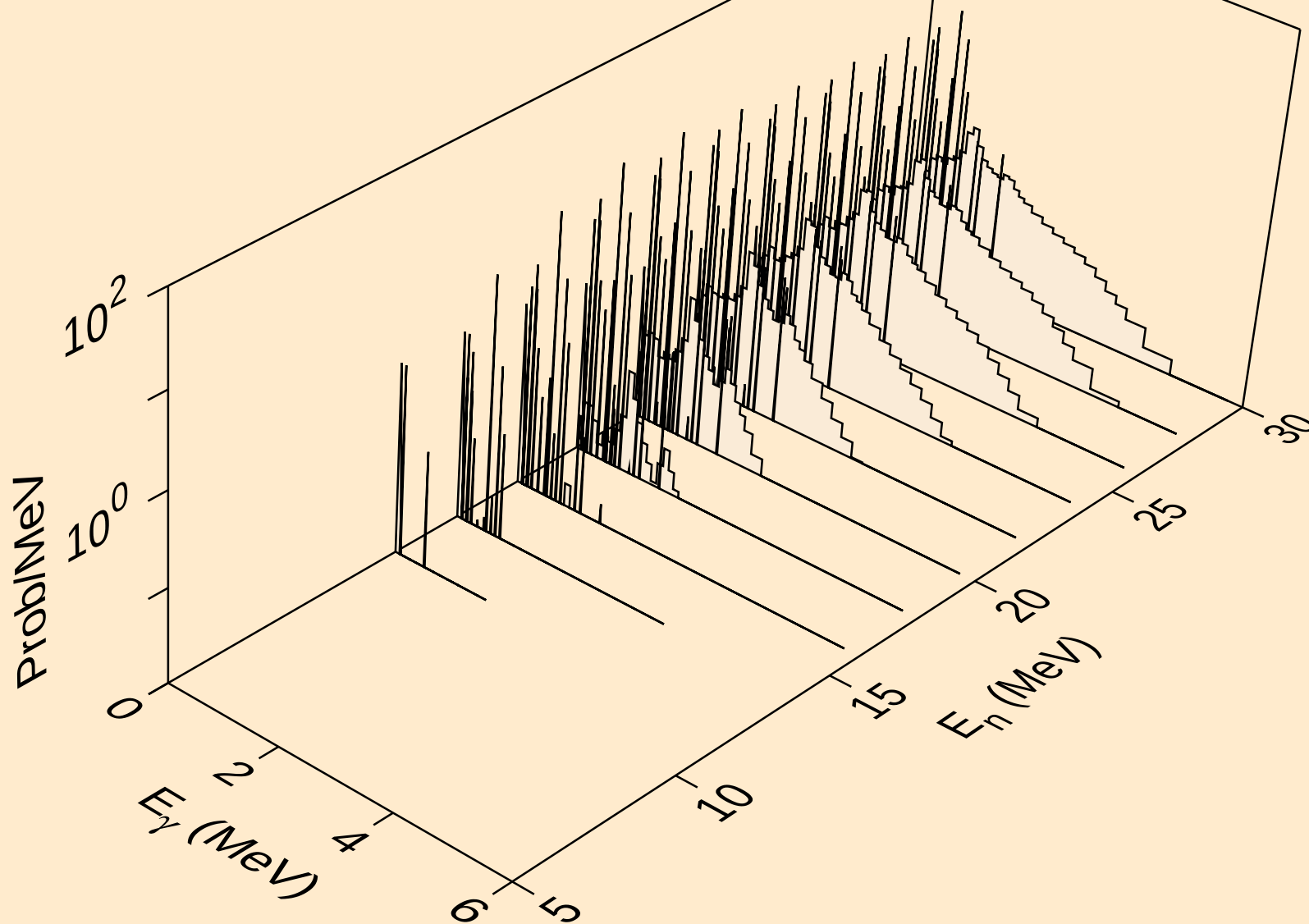


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

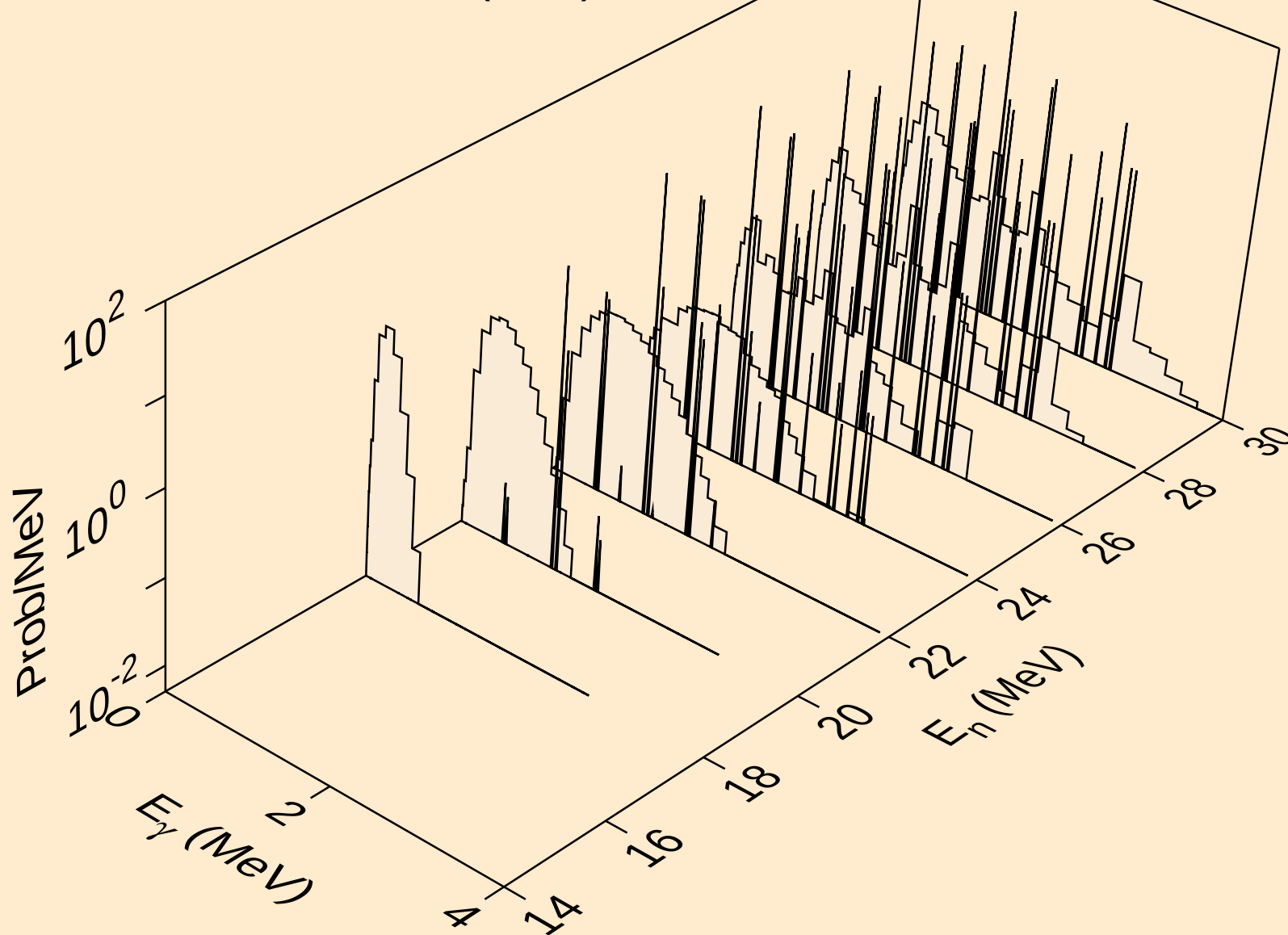


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a

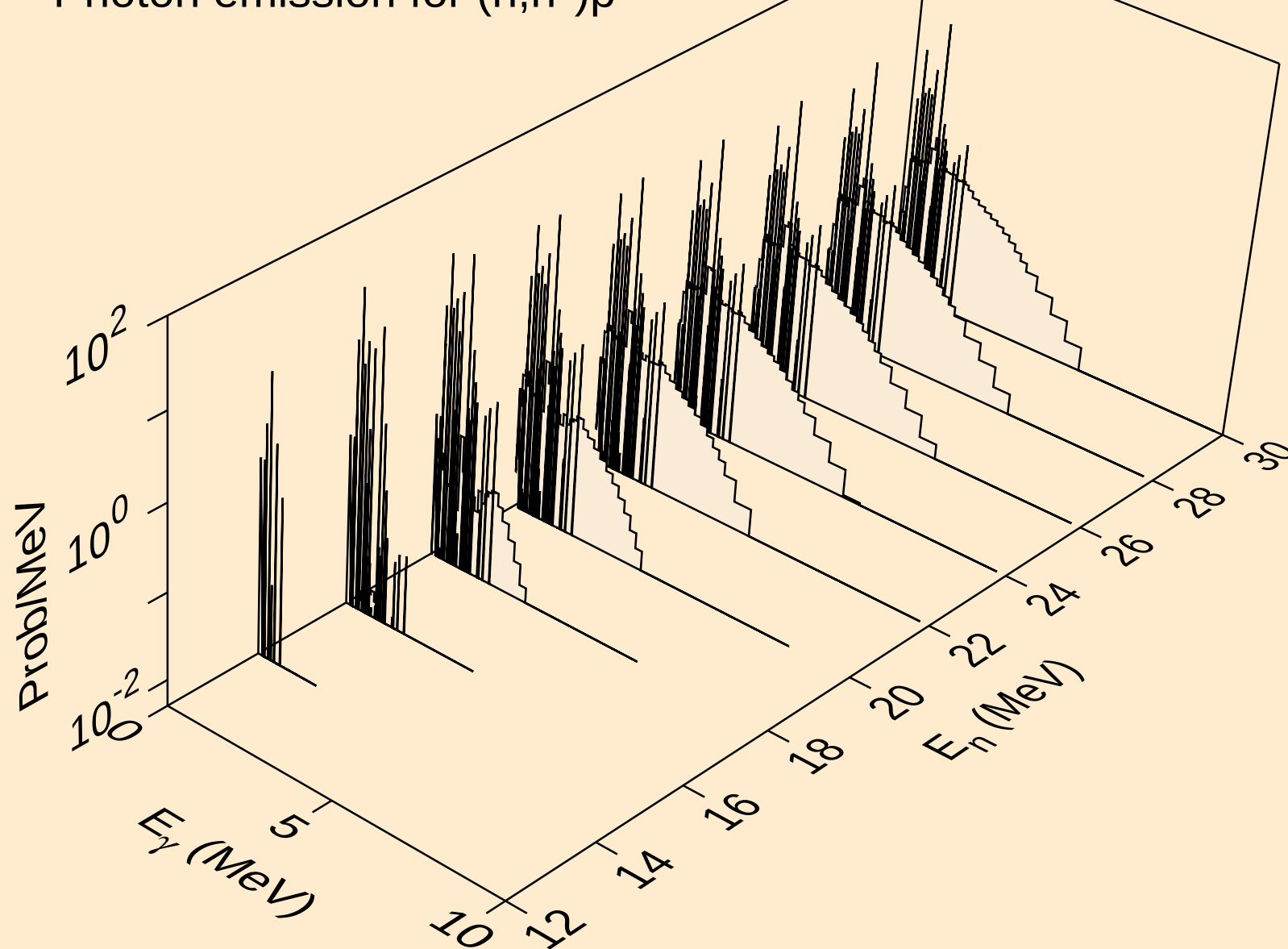


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



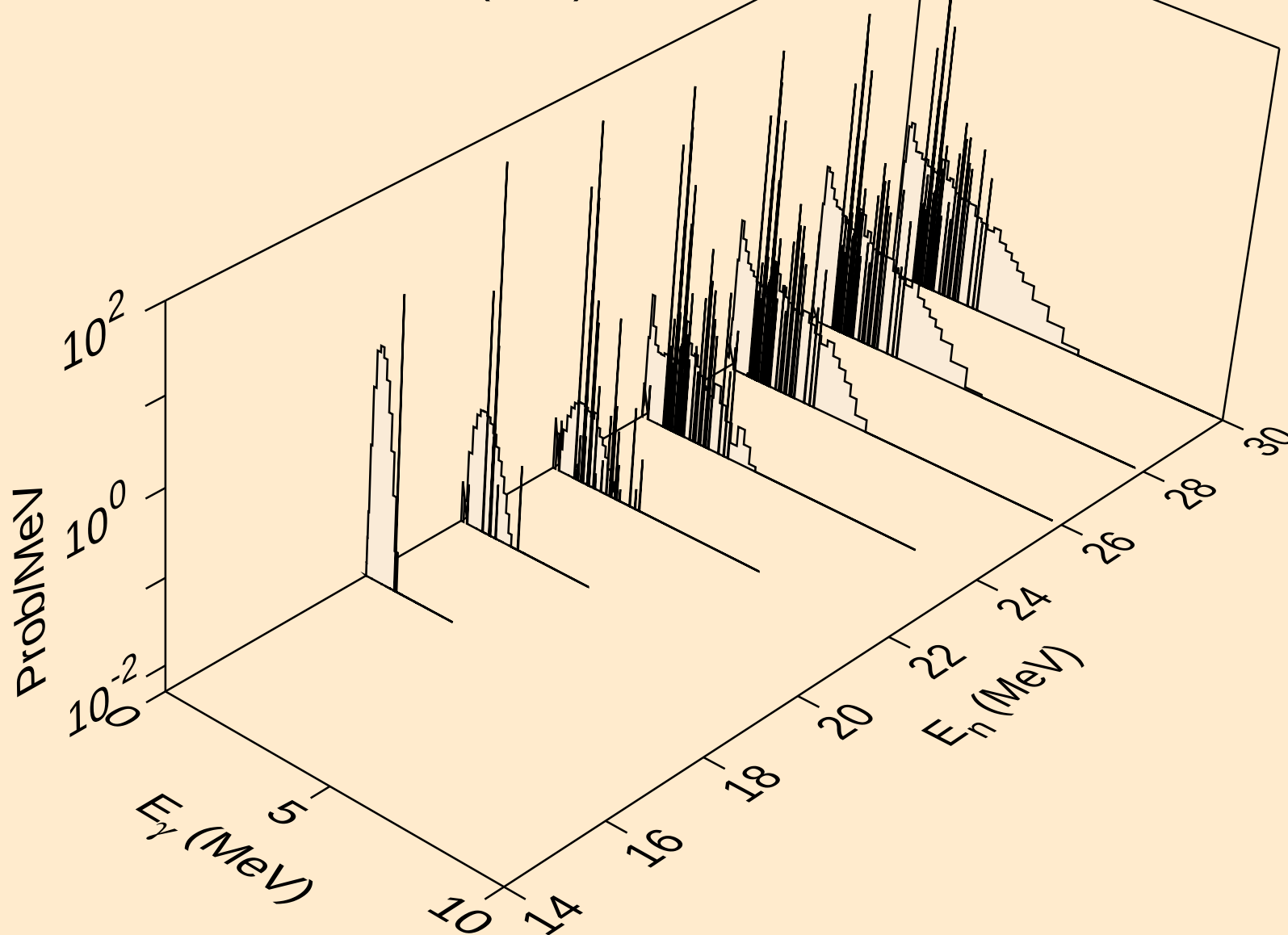
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



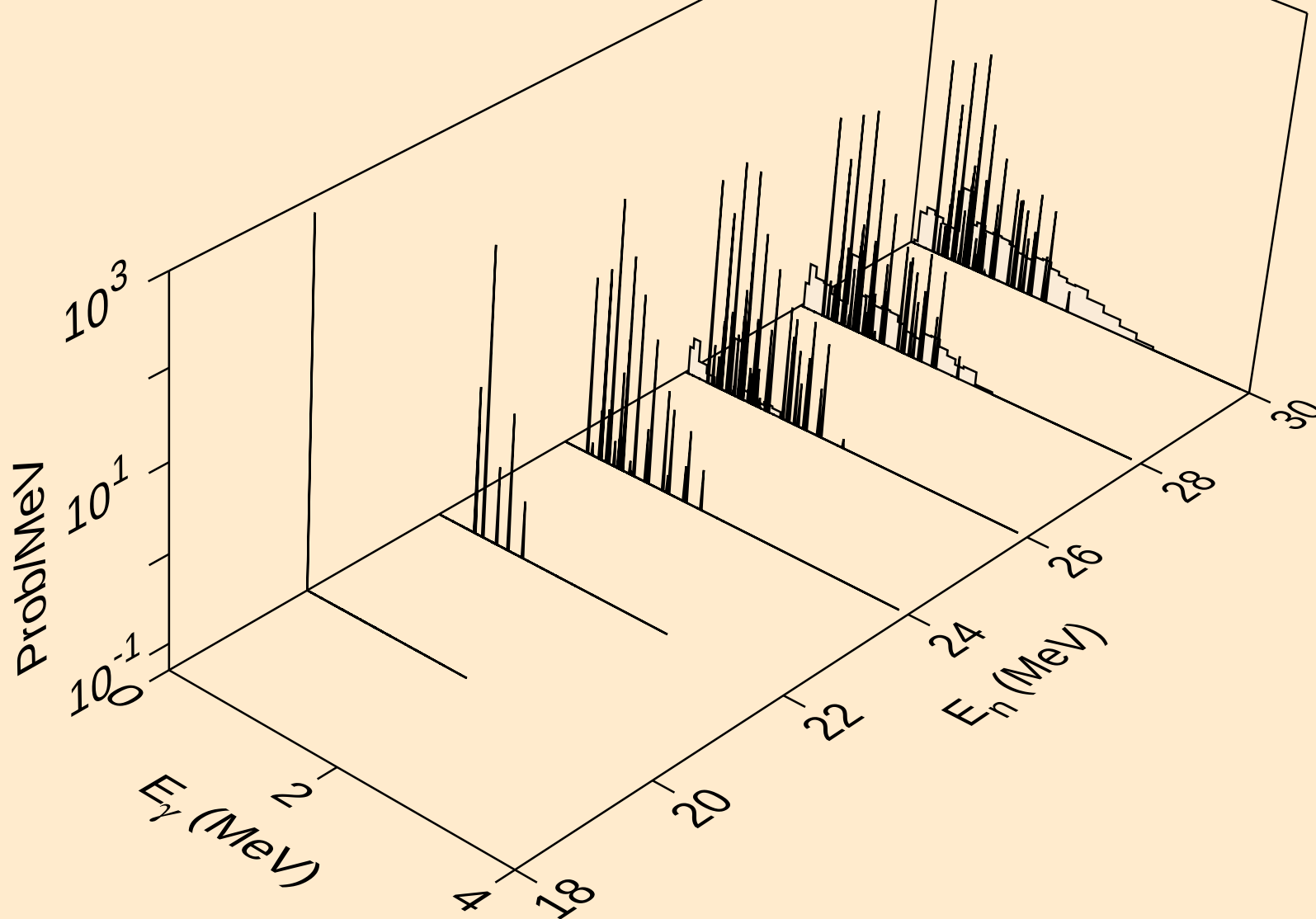
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d



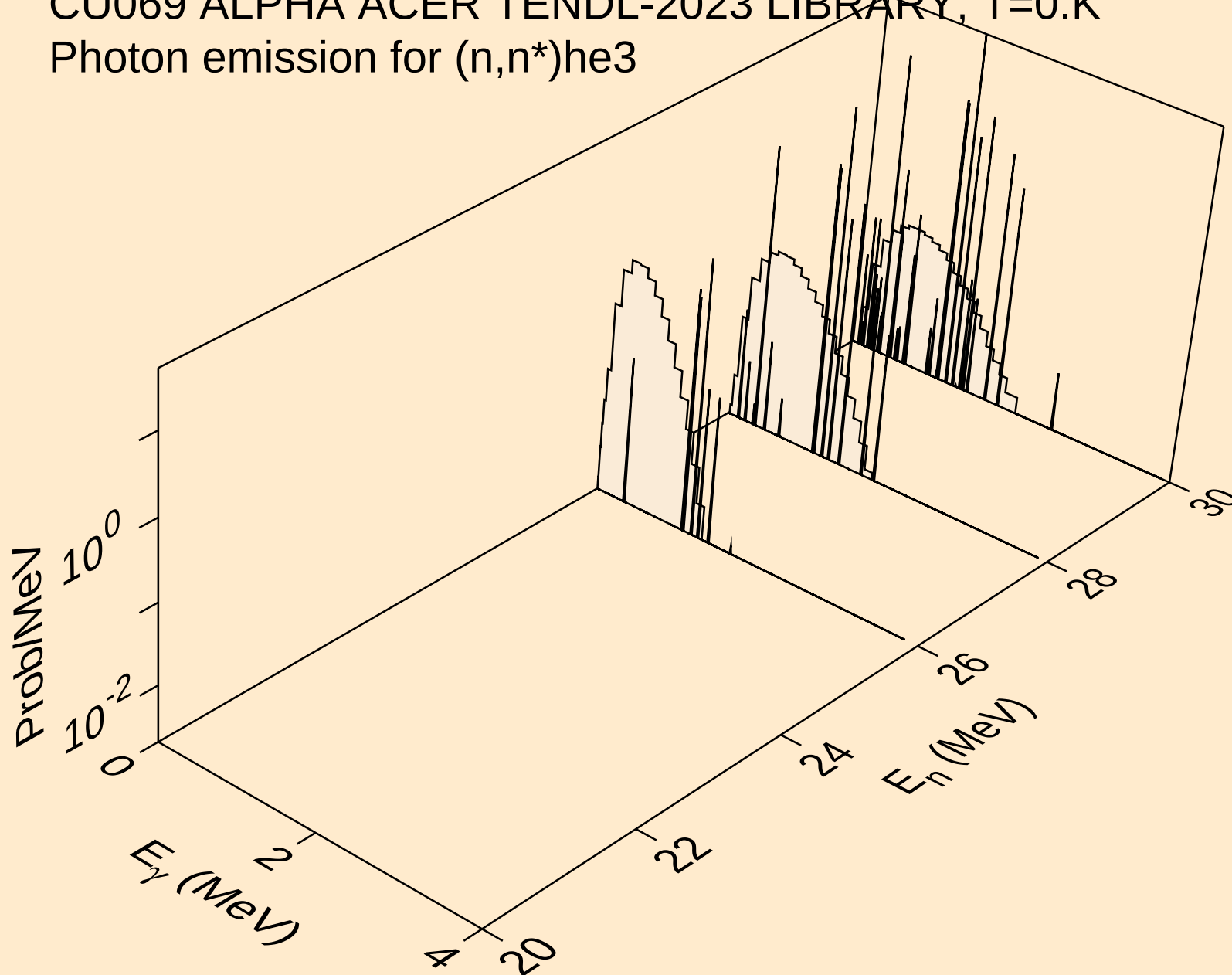
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)t

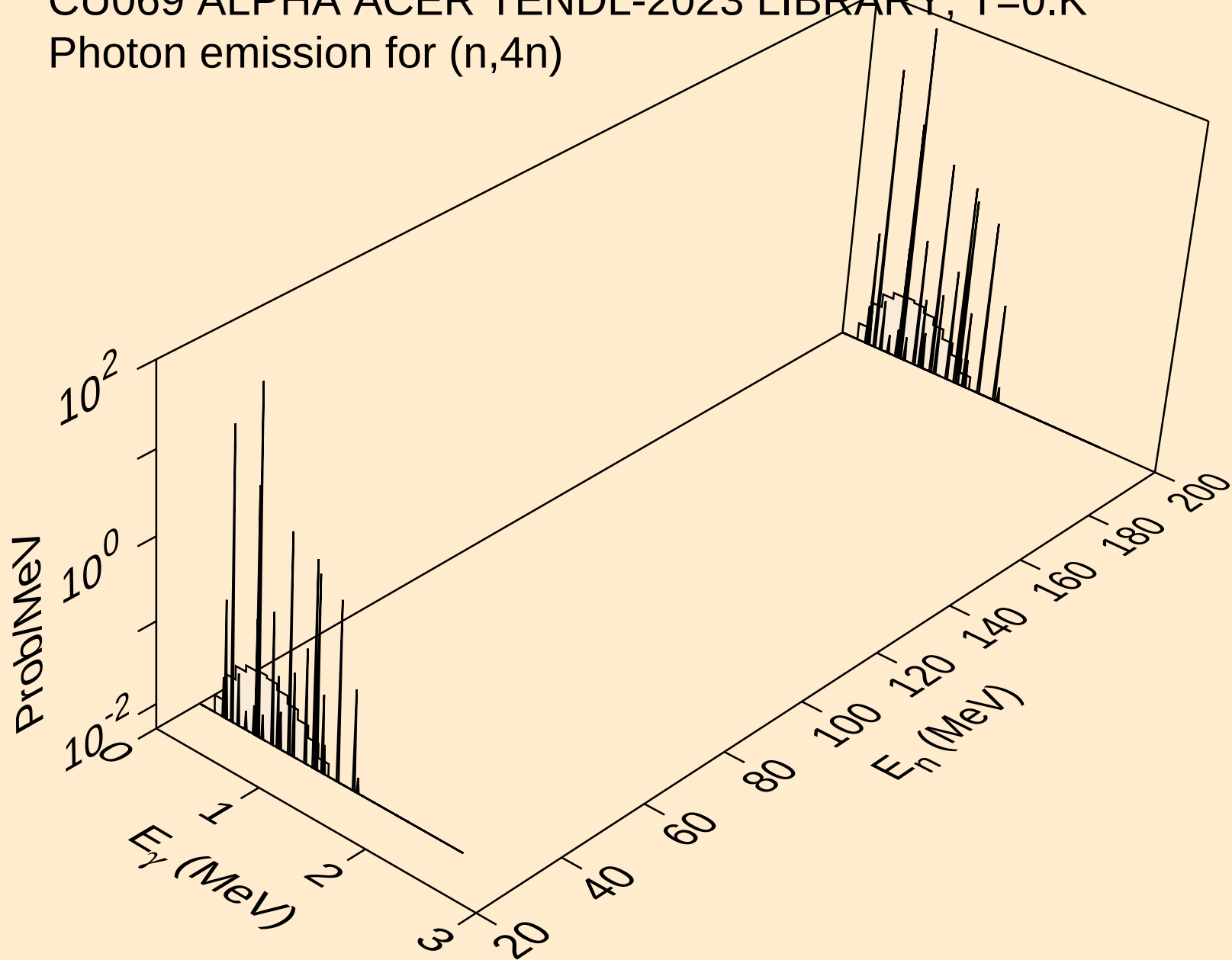


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

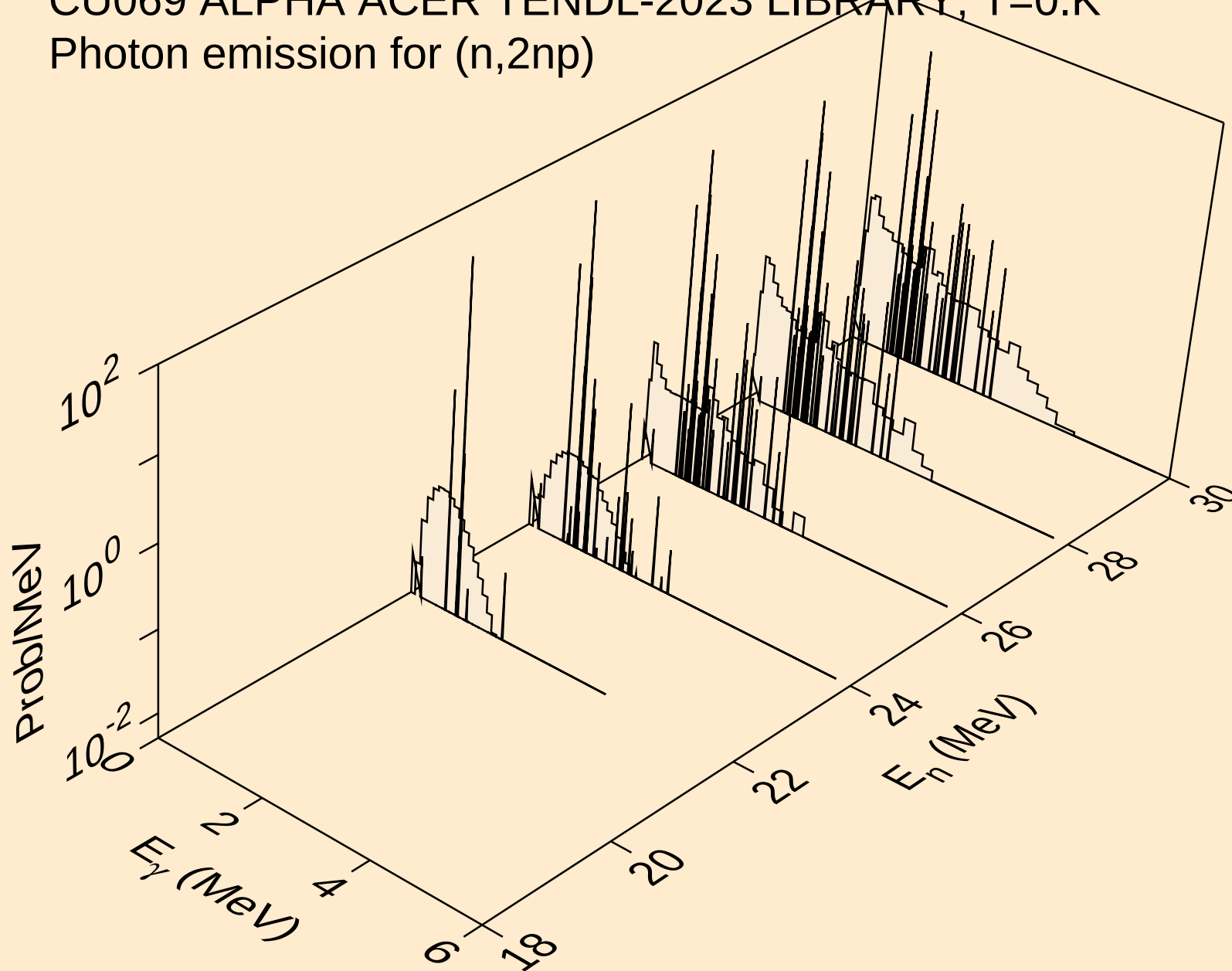
Photon emission for (n,n*)he3



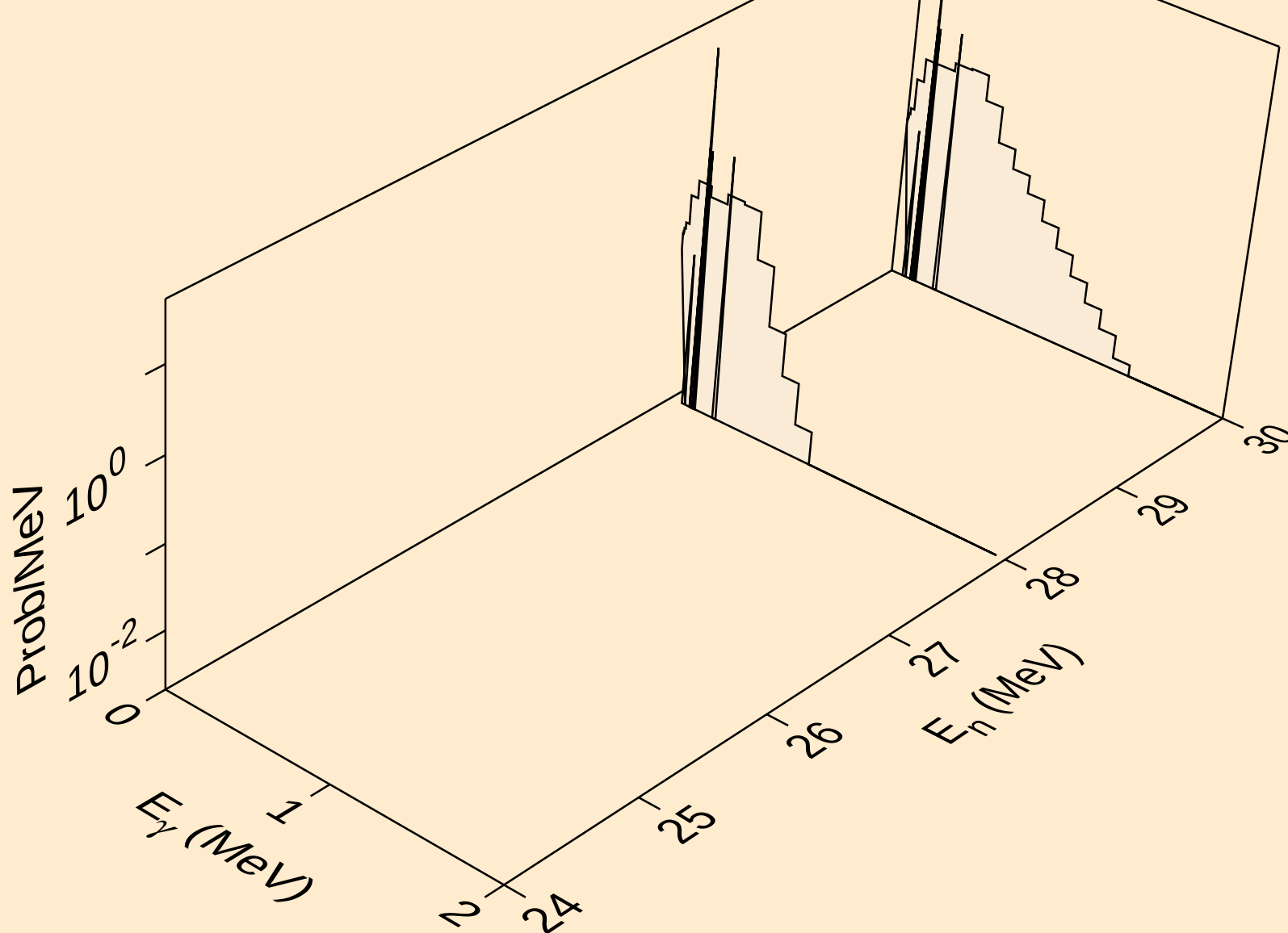
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



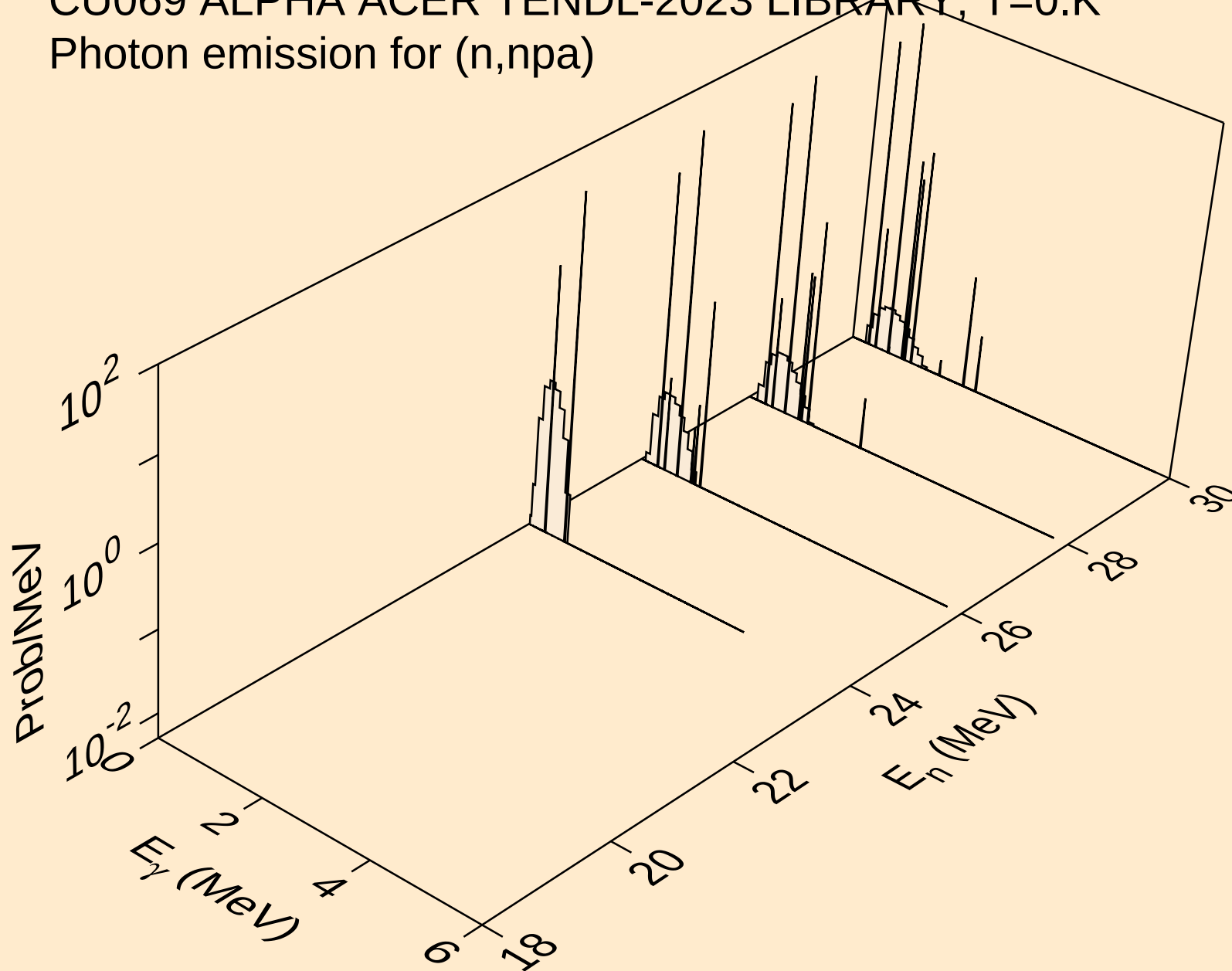
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



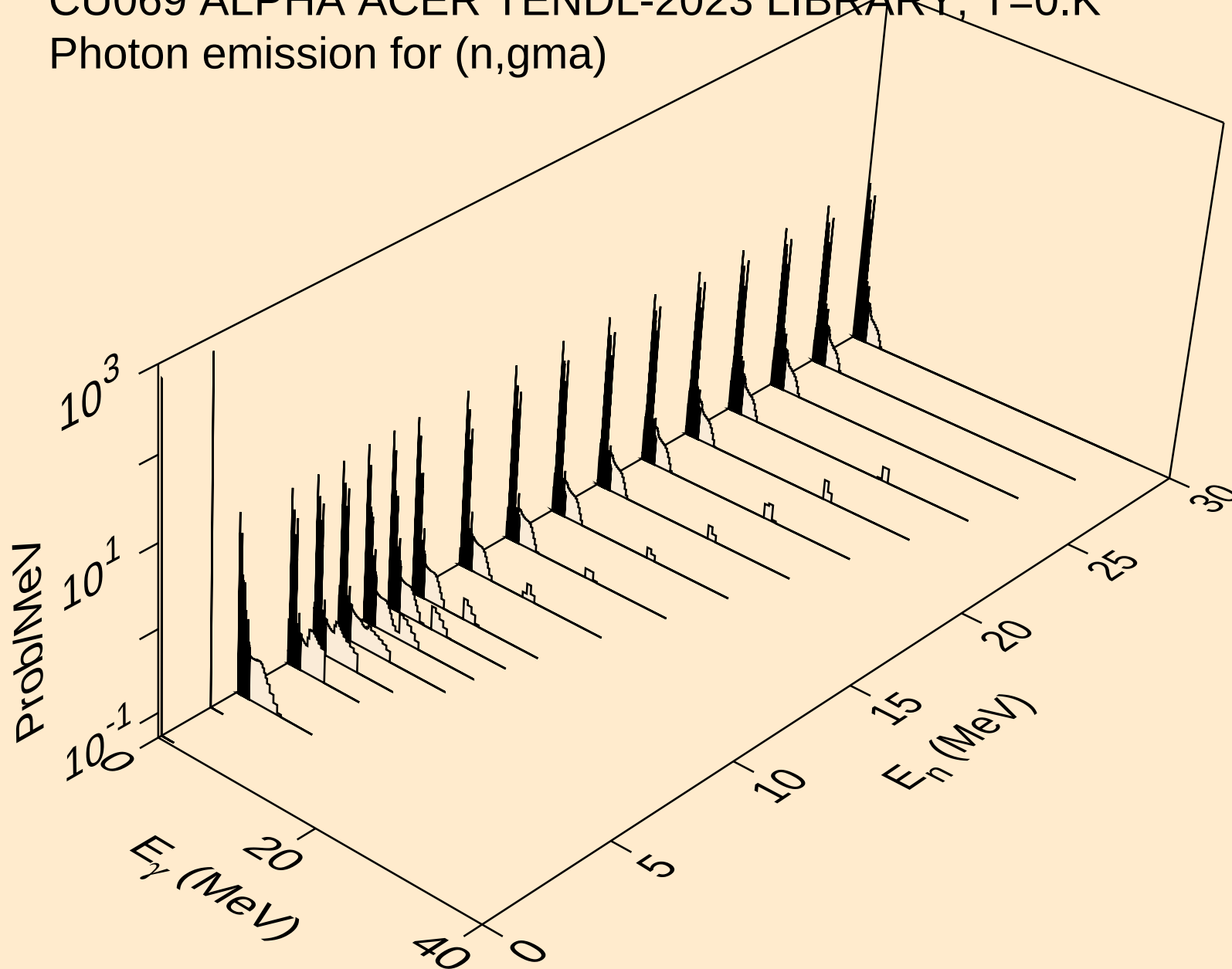
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)

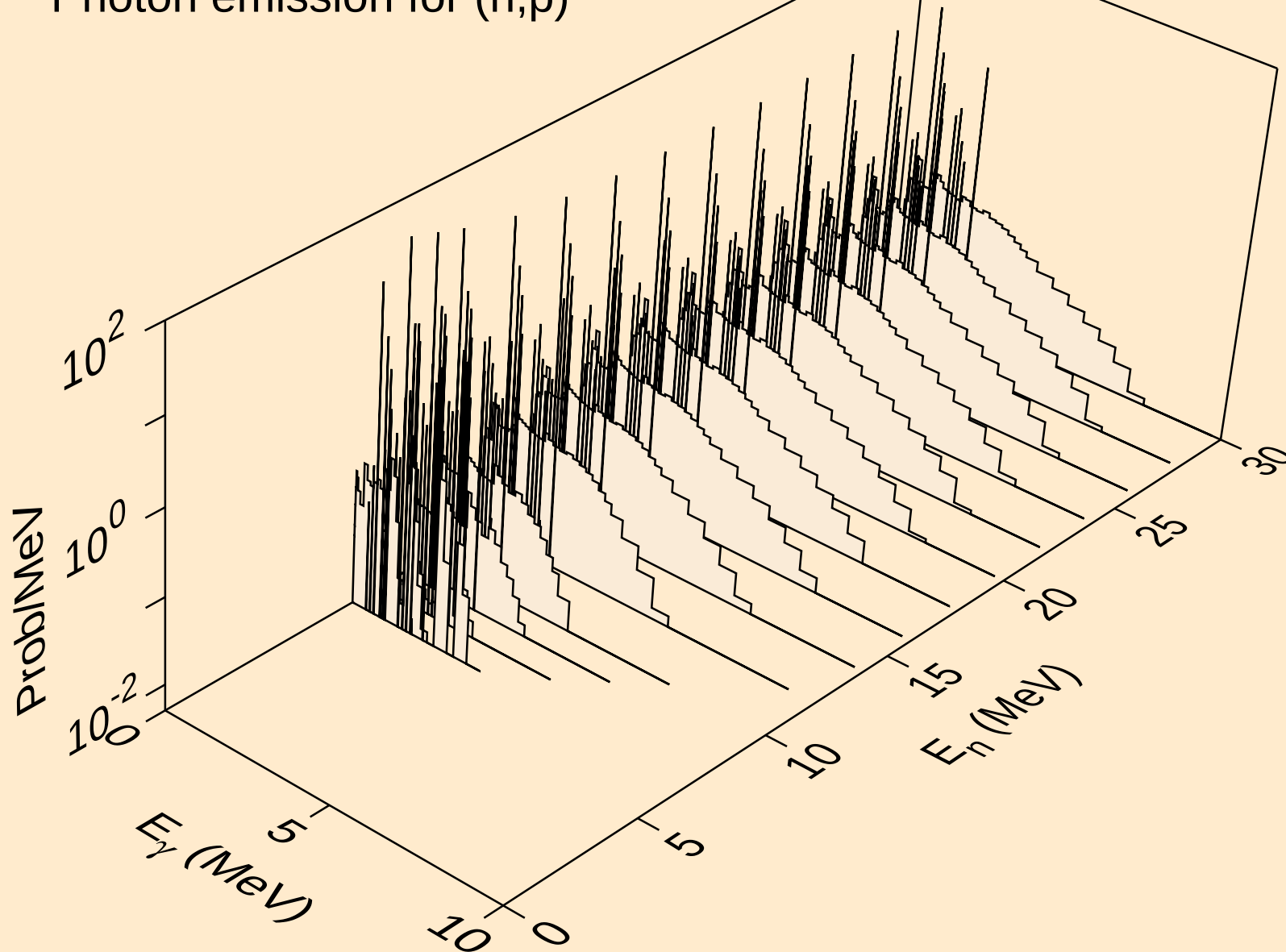


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)

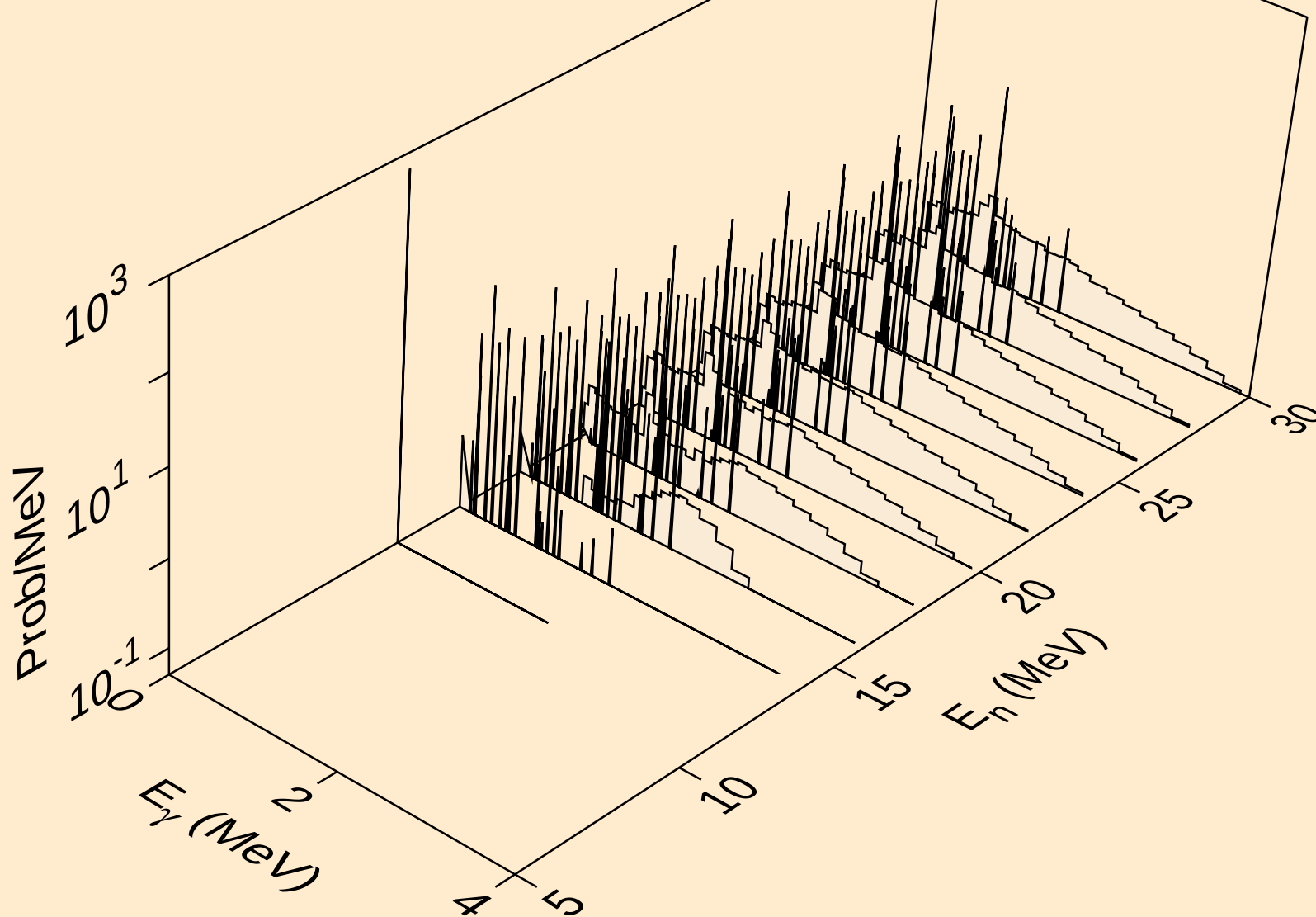


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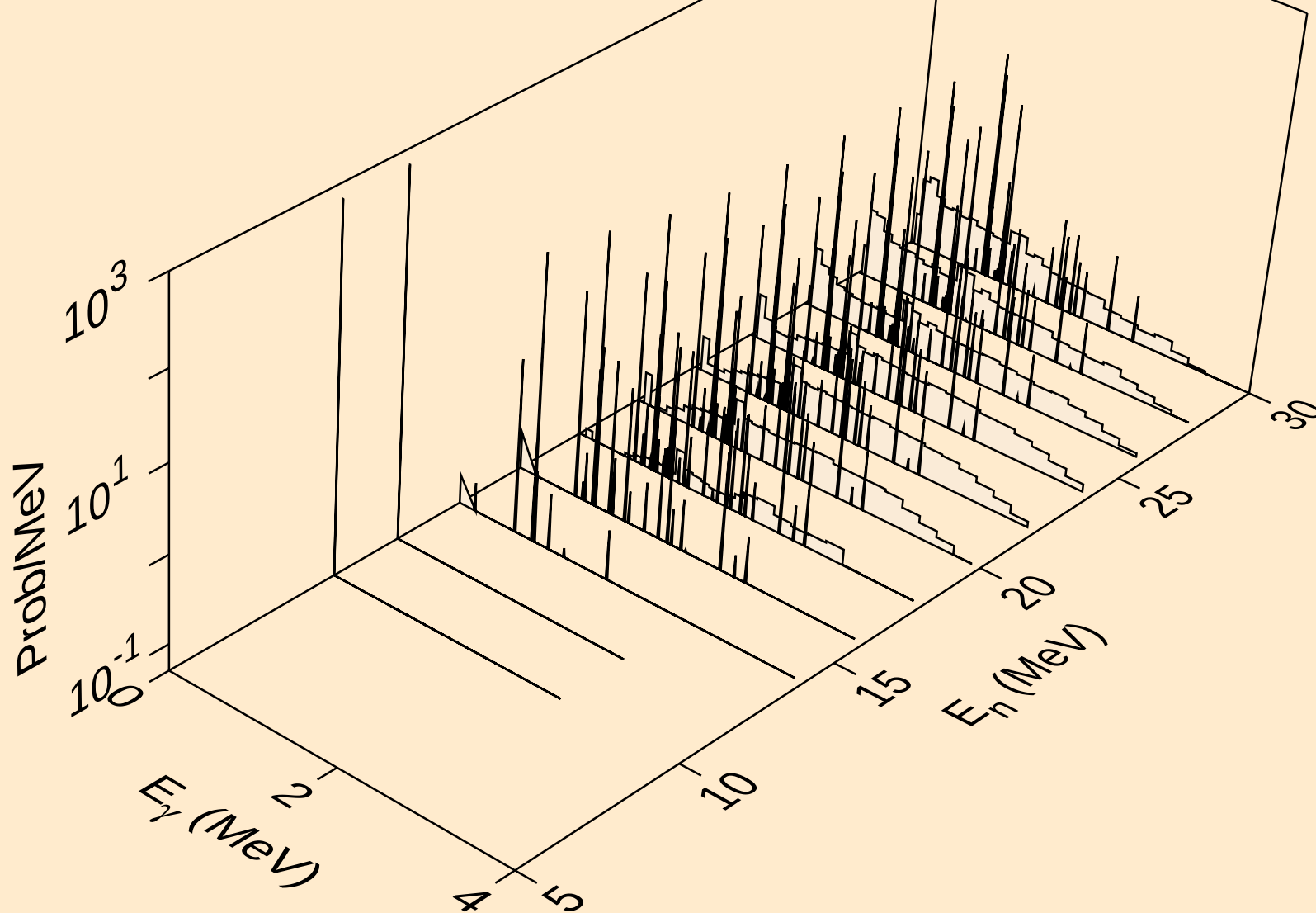
Photon emission for (n,p)



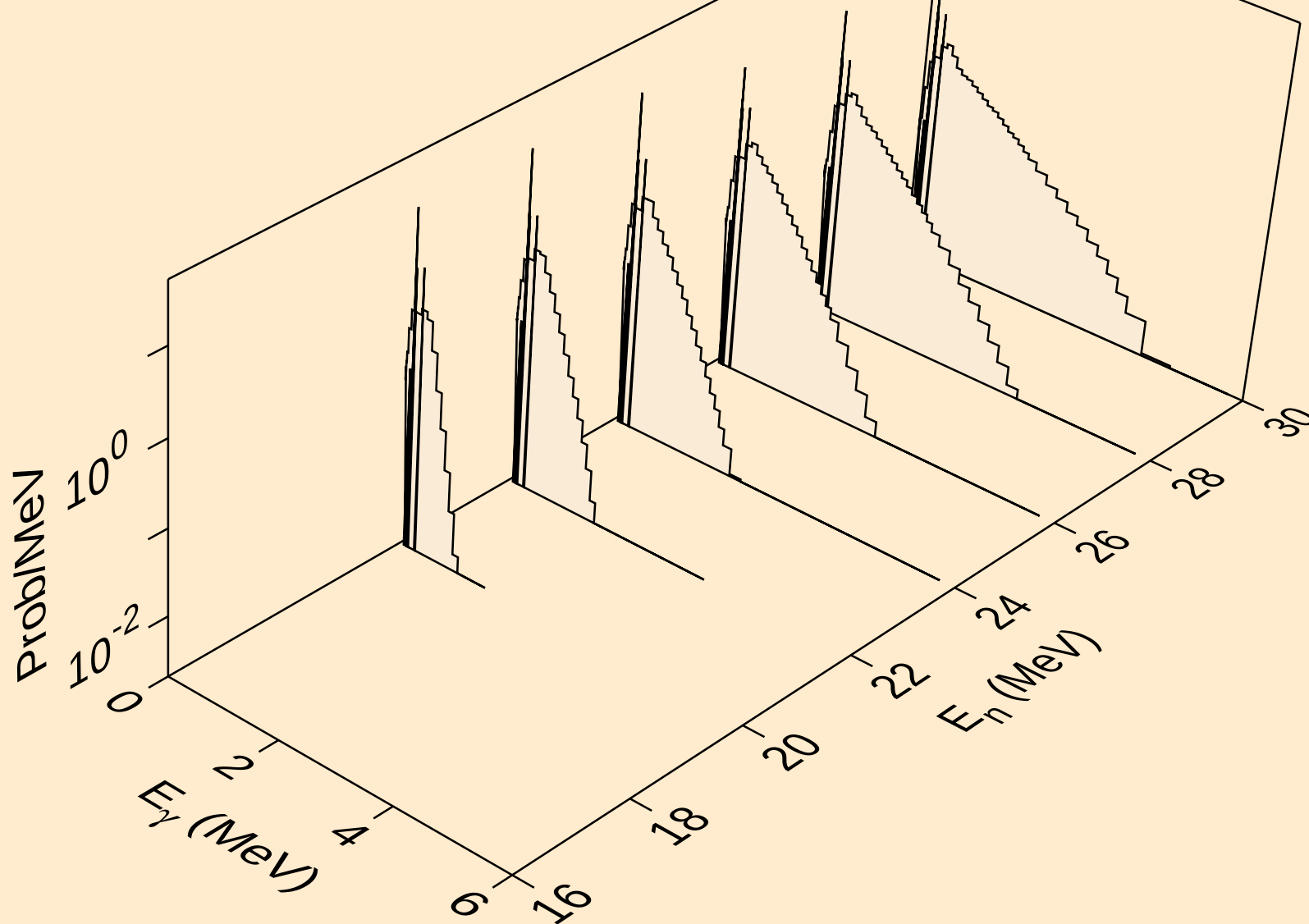
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Photon emission for (n,d)



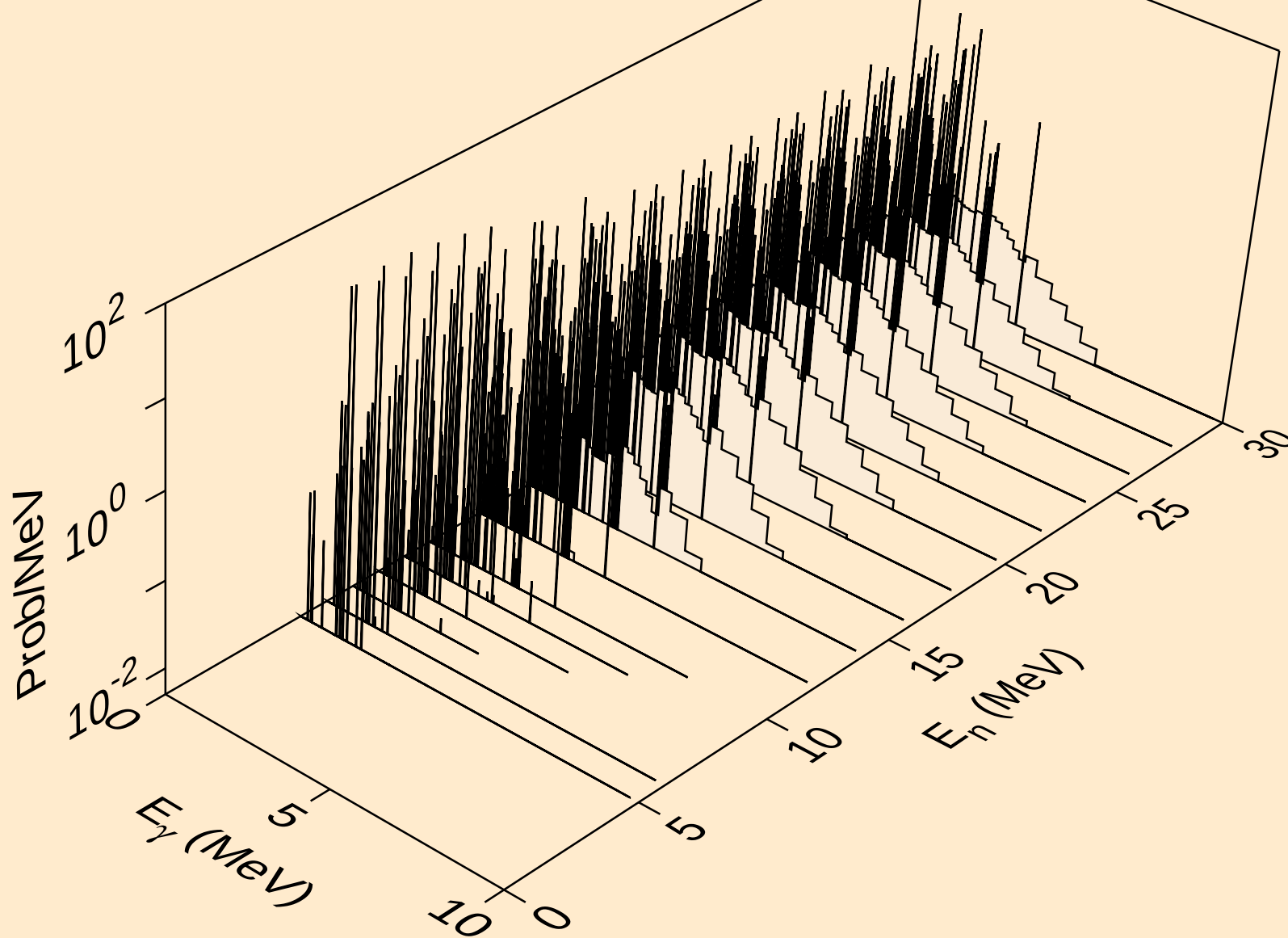
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Photon emission for (n,t)



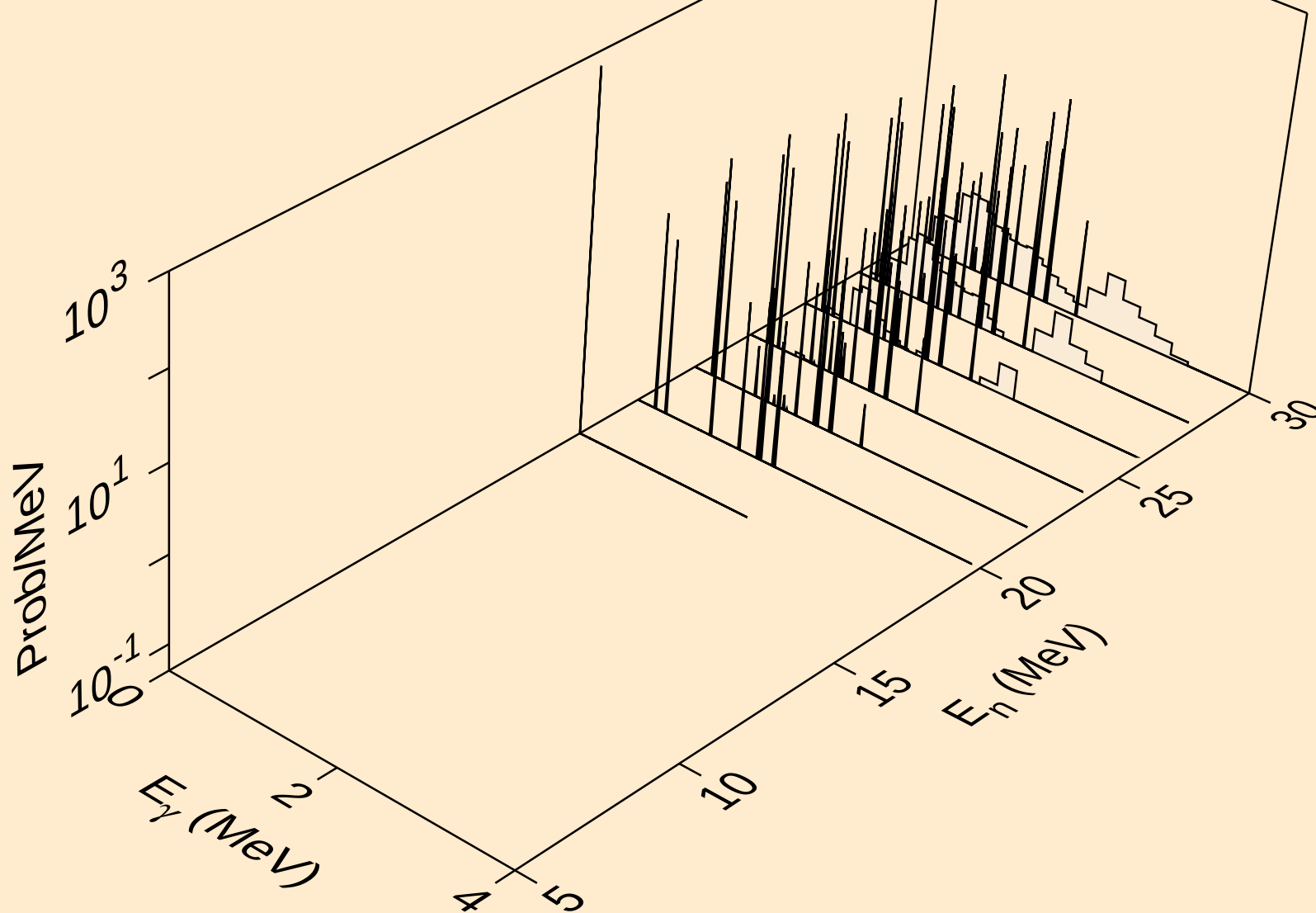
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



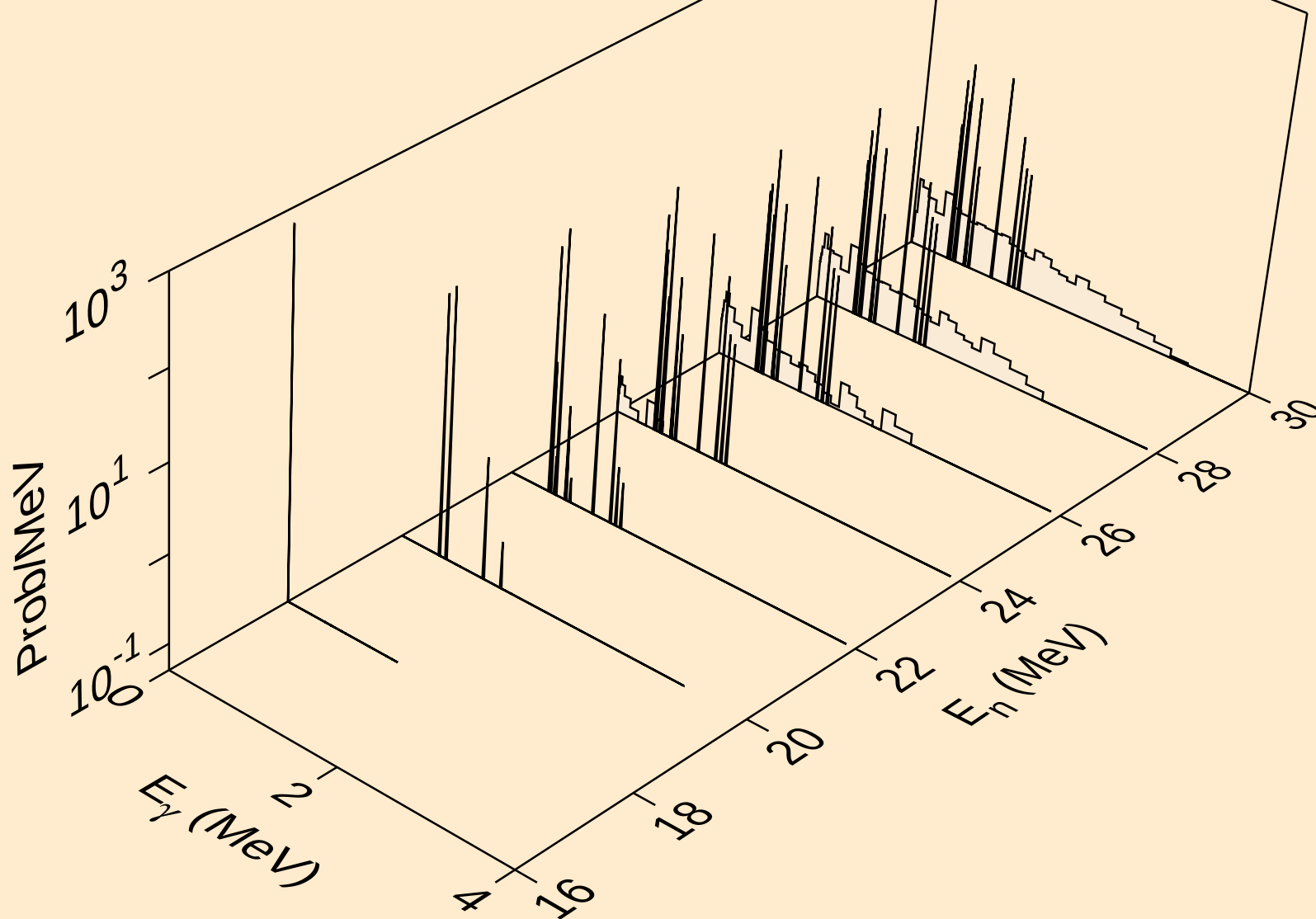
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



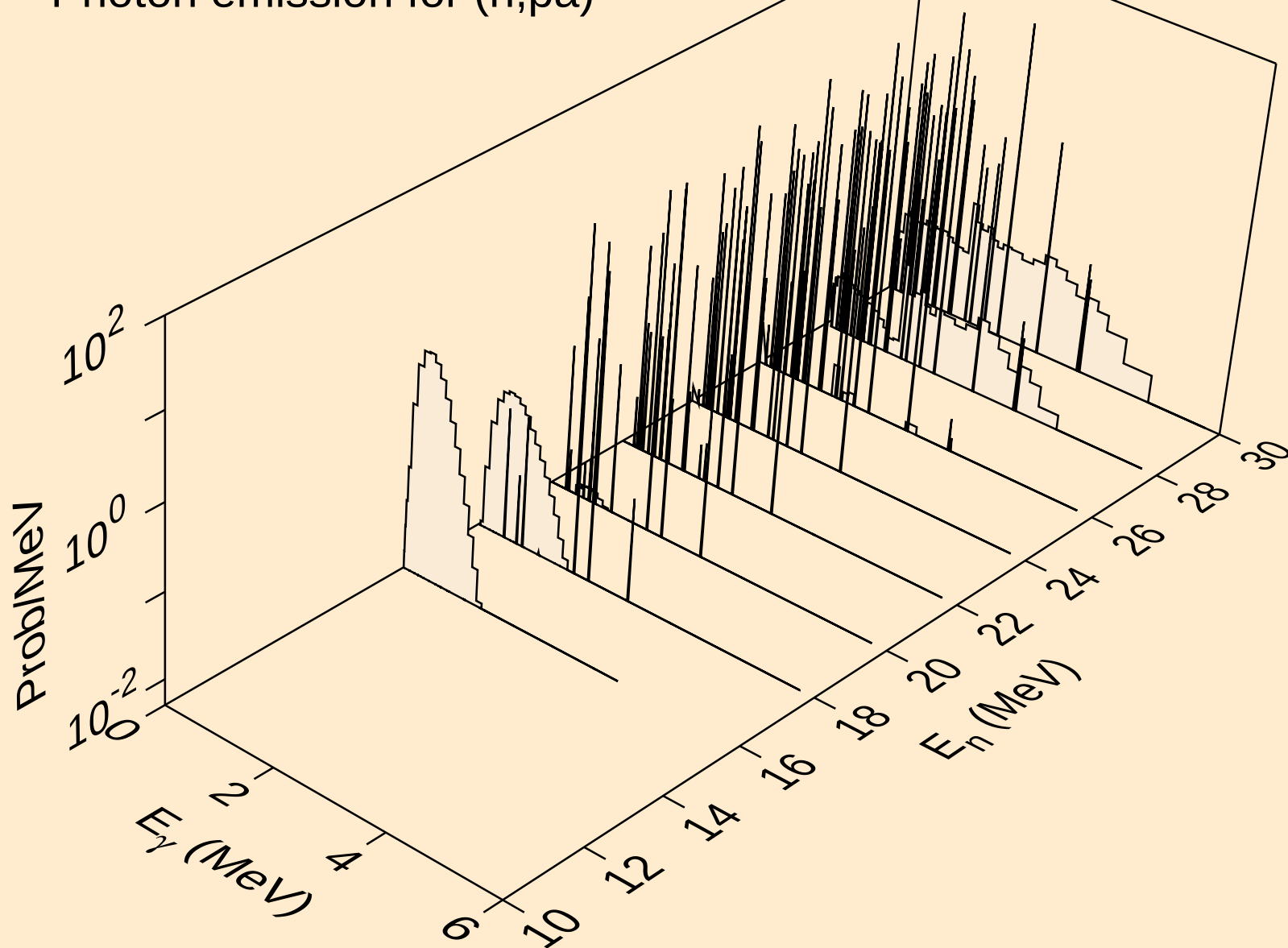
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



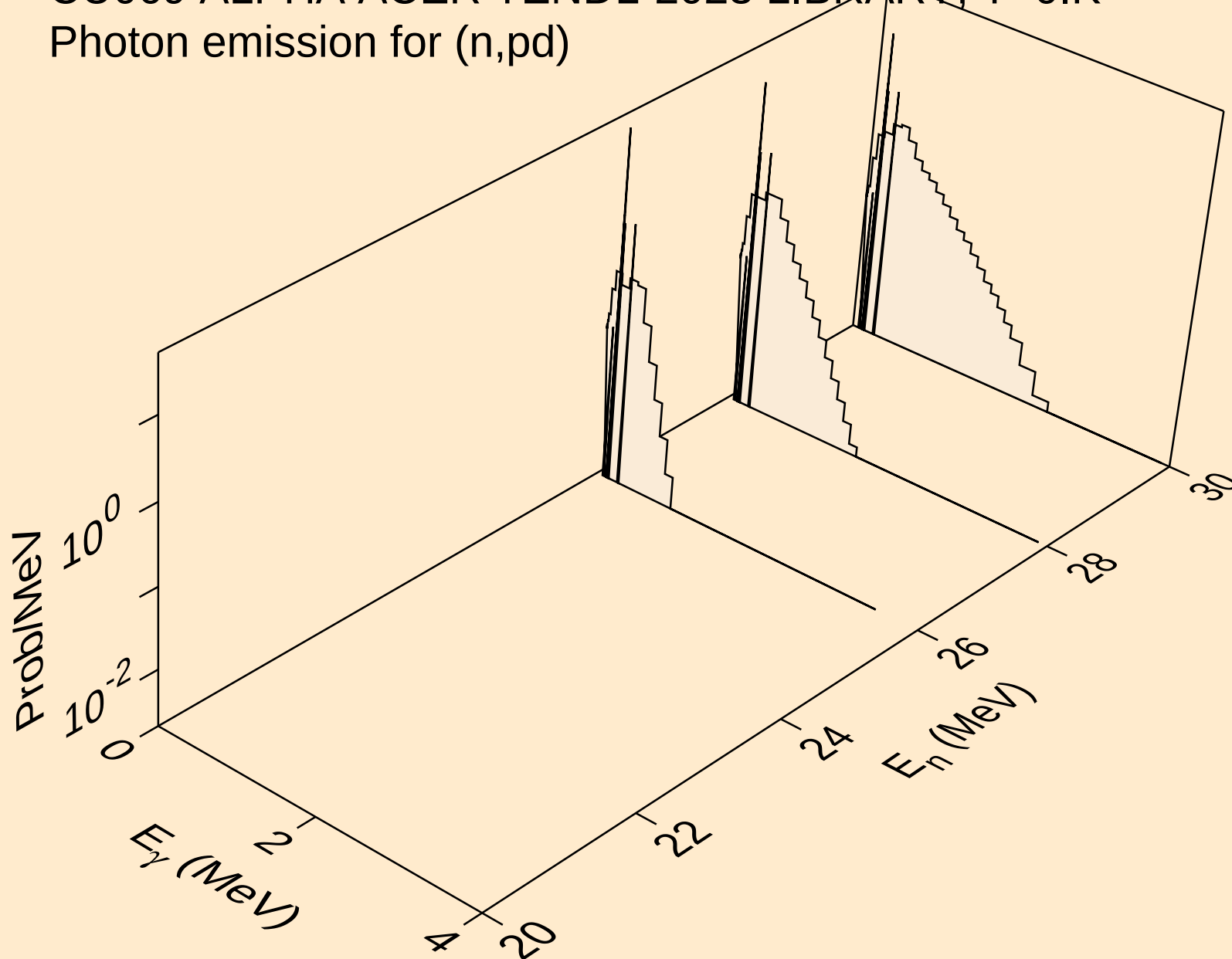
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)

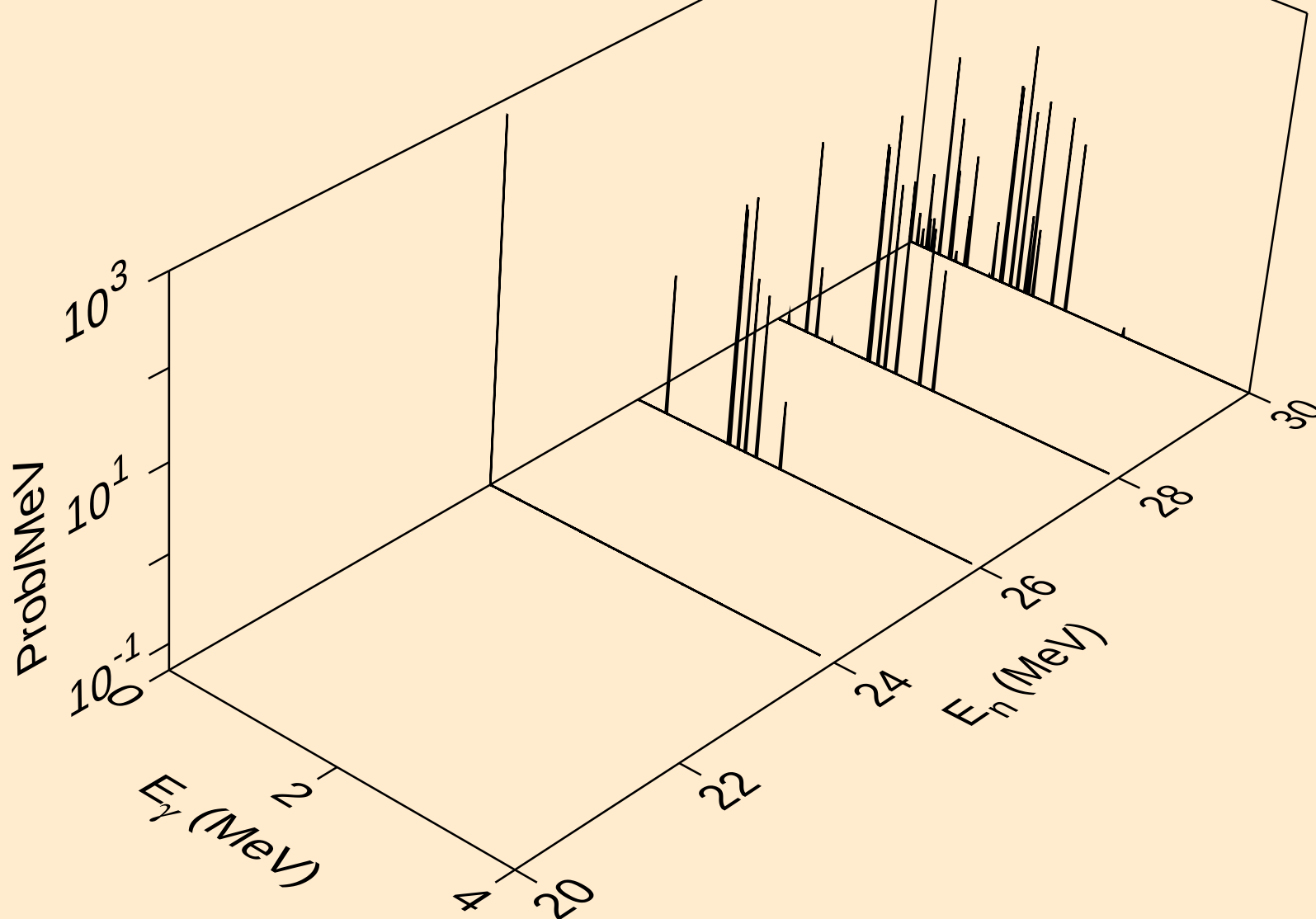


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

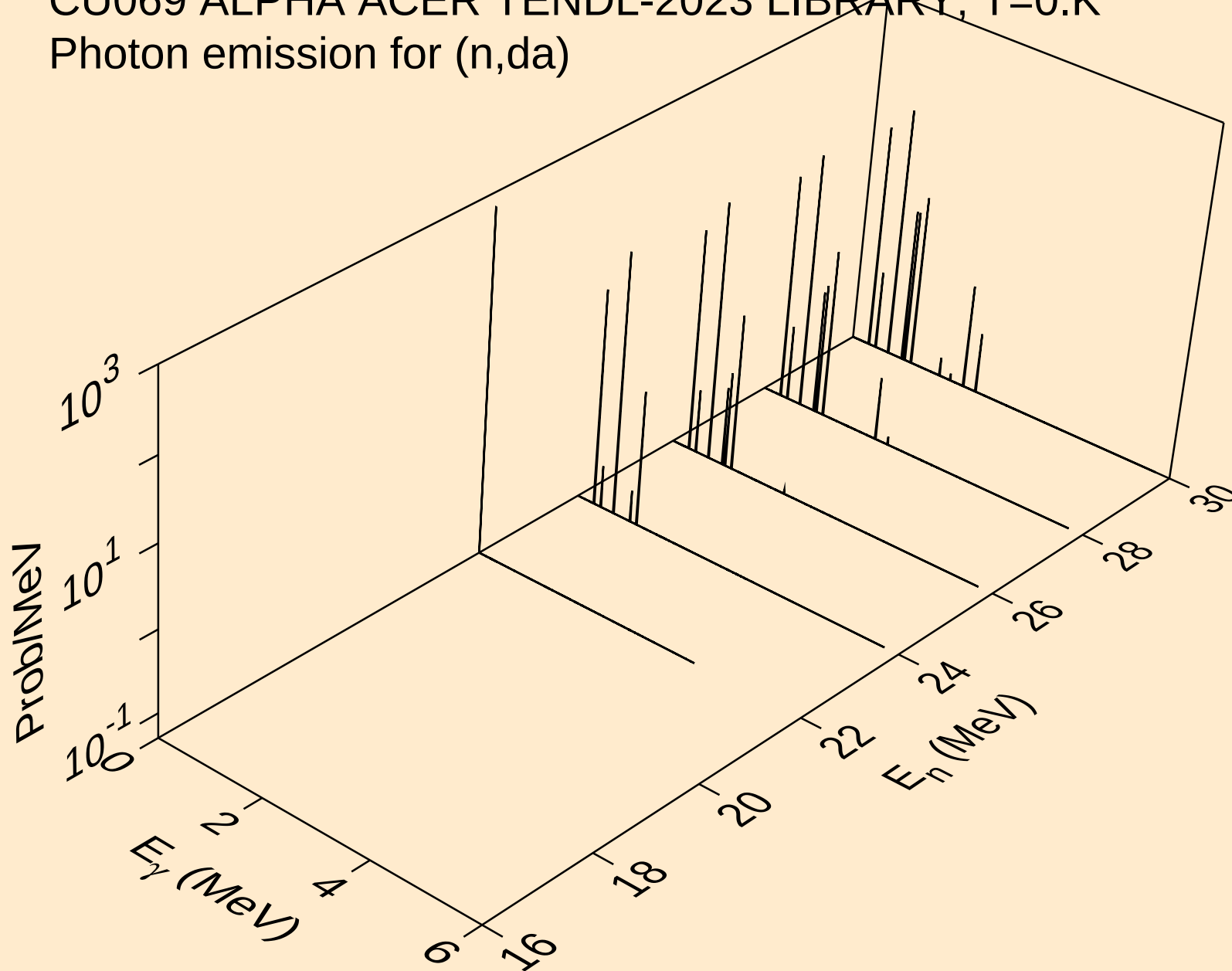


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

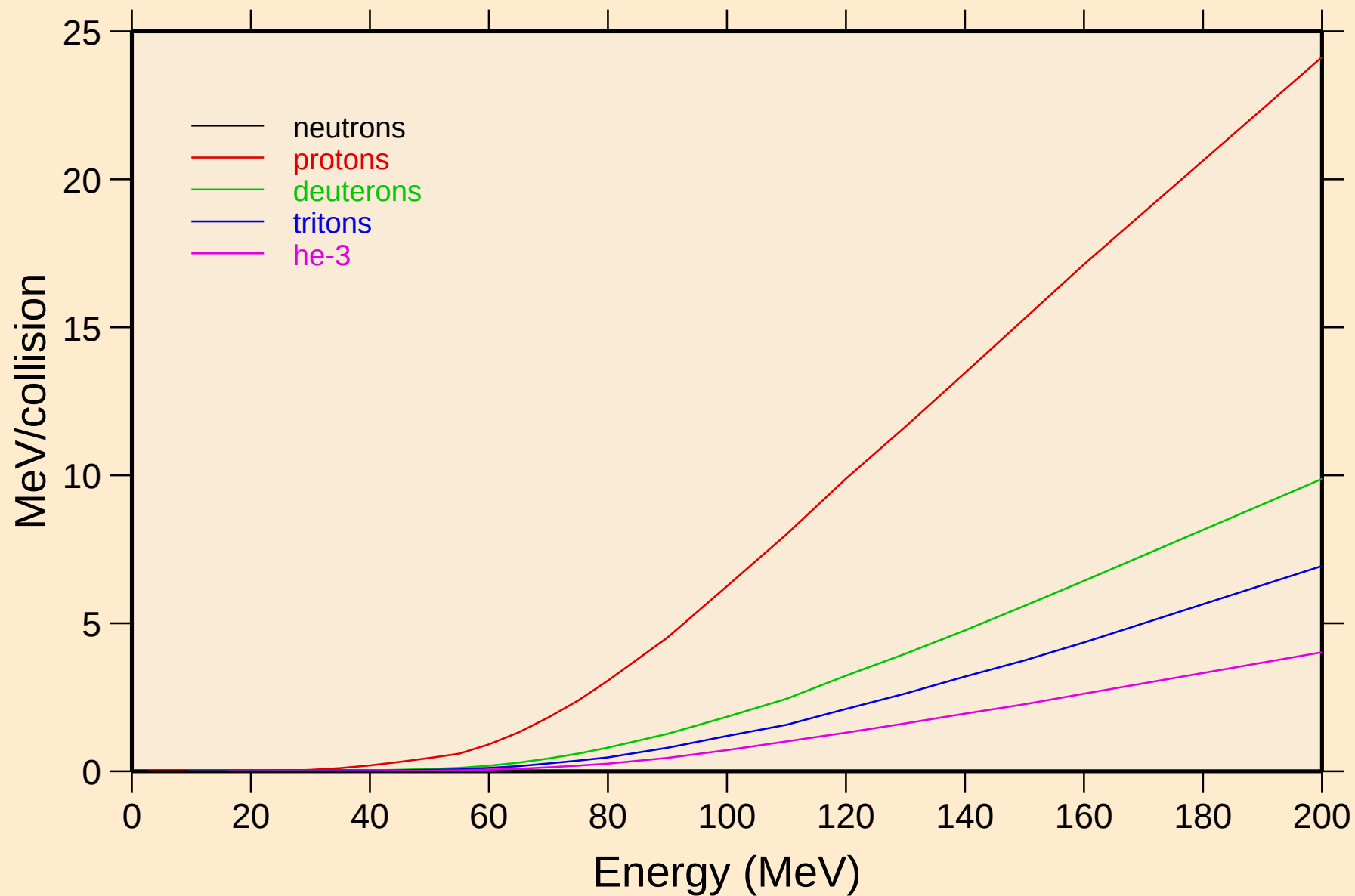


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



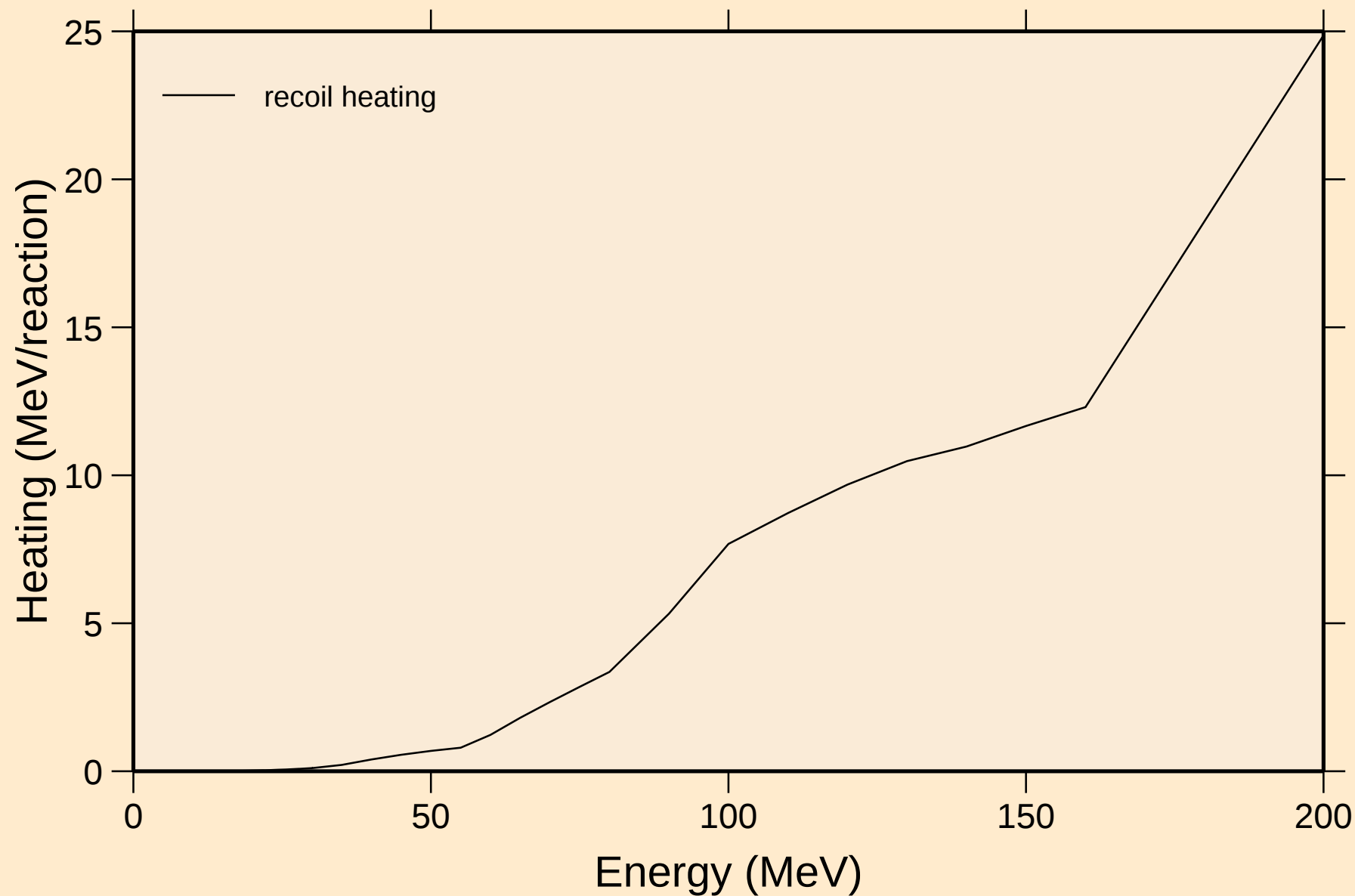
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



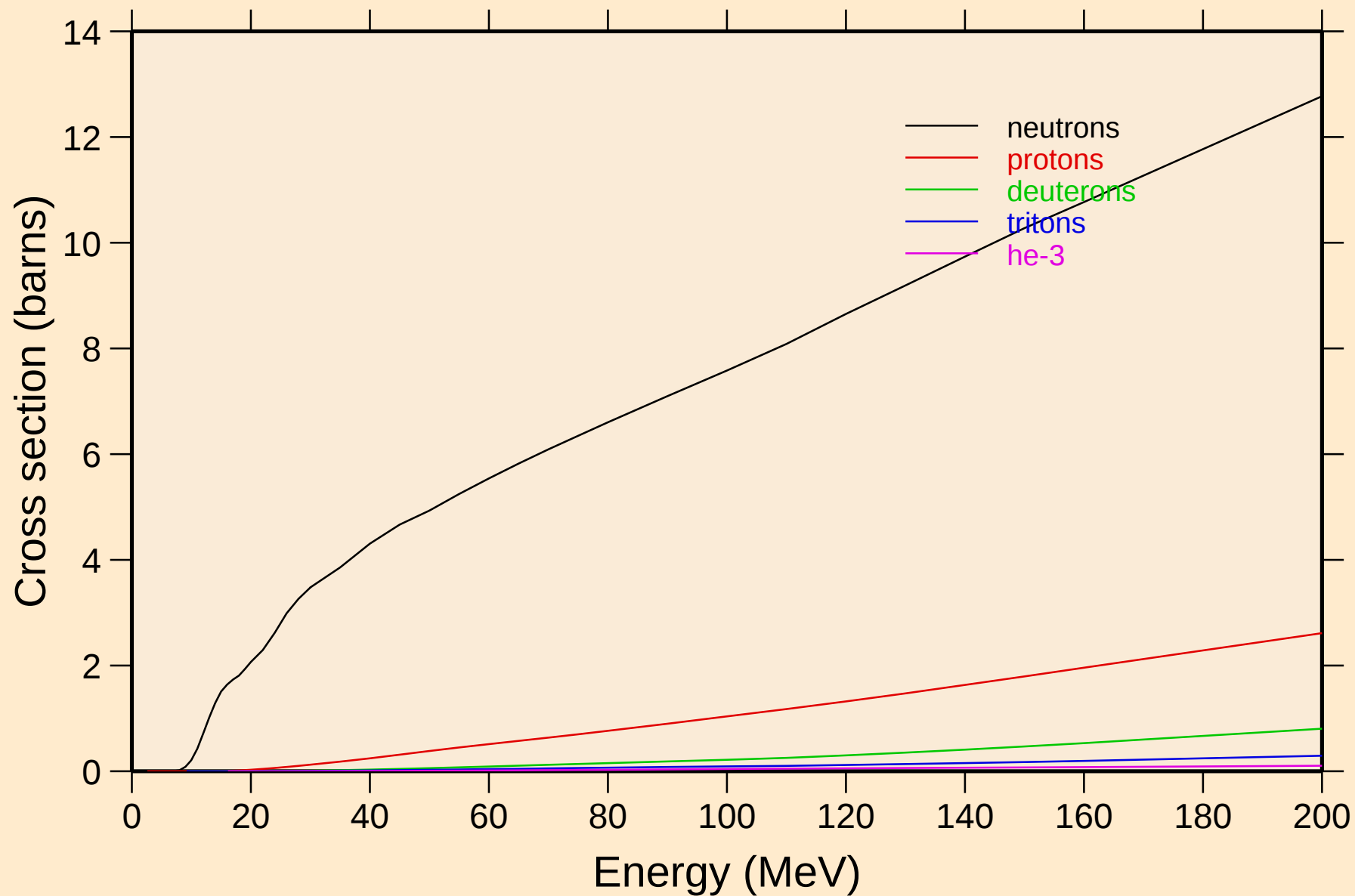
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Recoil Heating

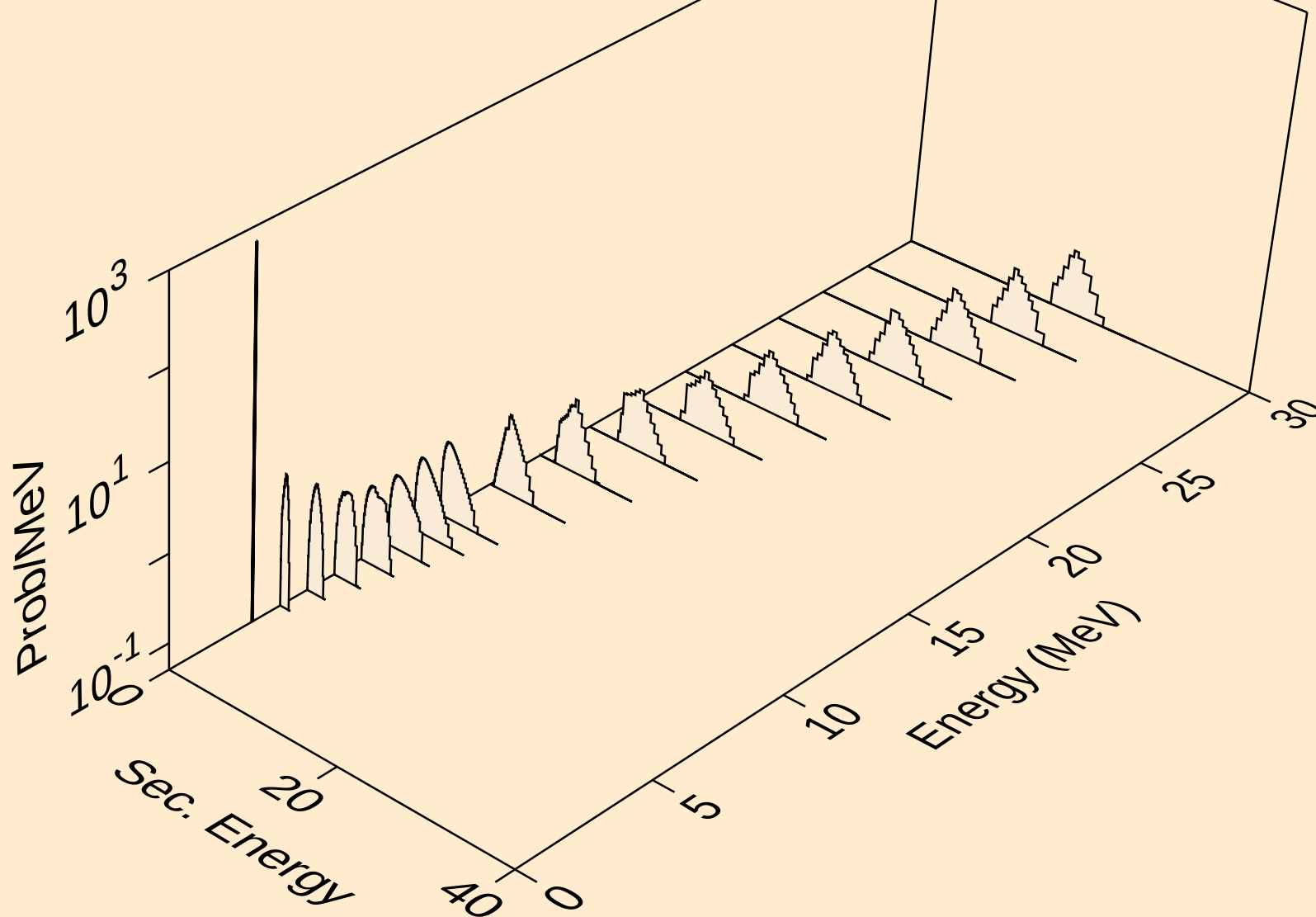


CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

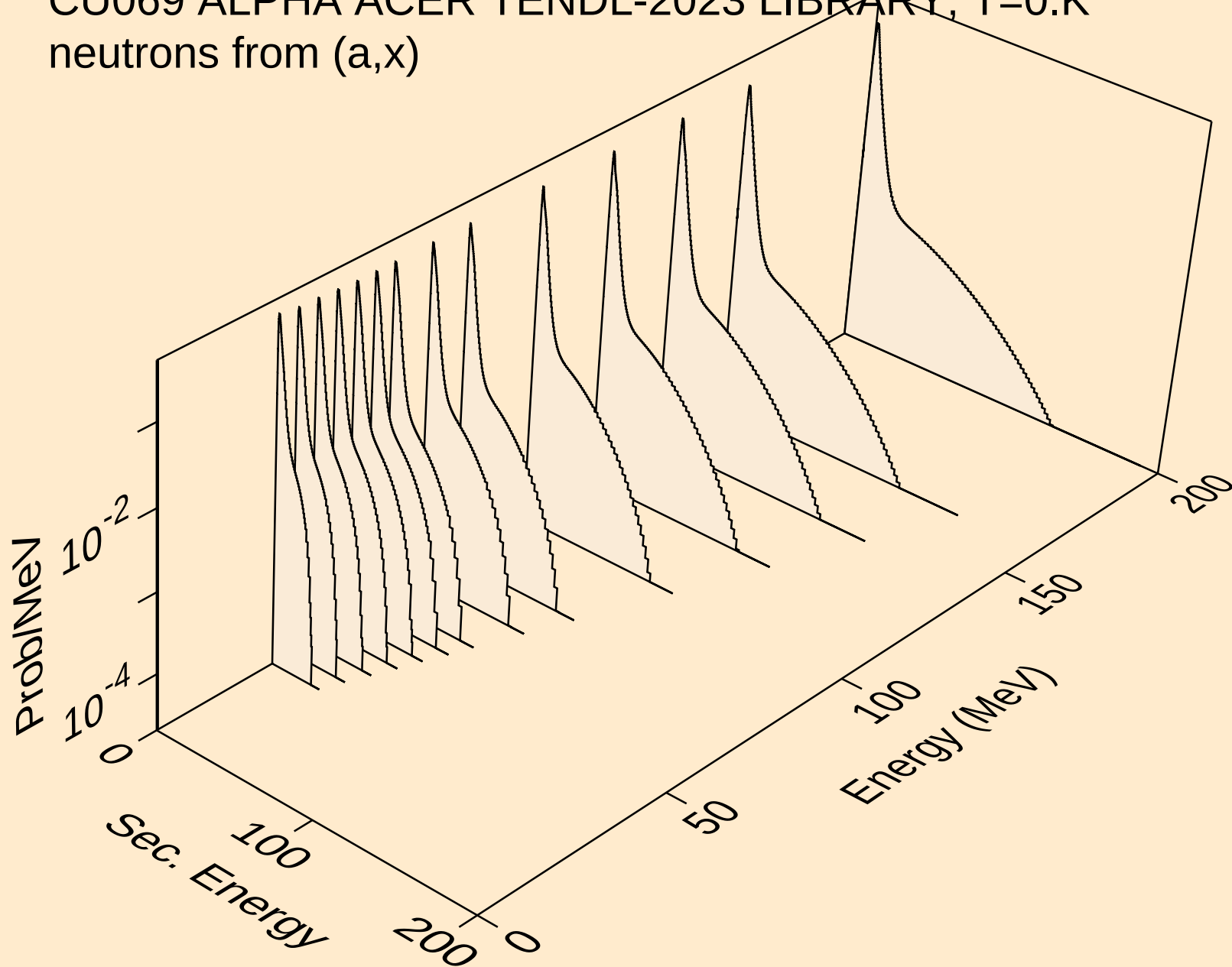
Particle production cross sections



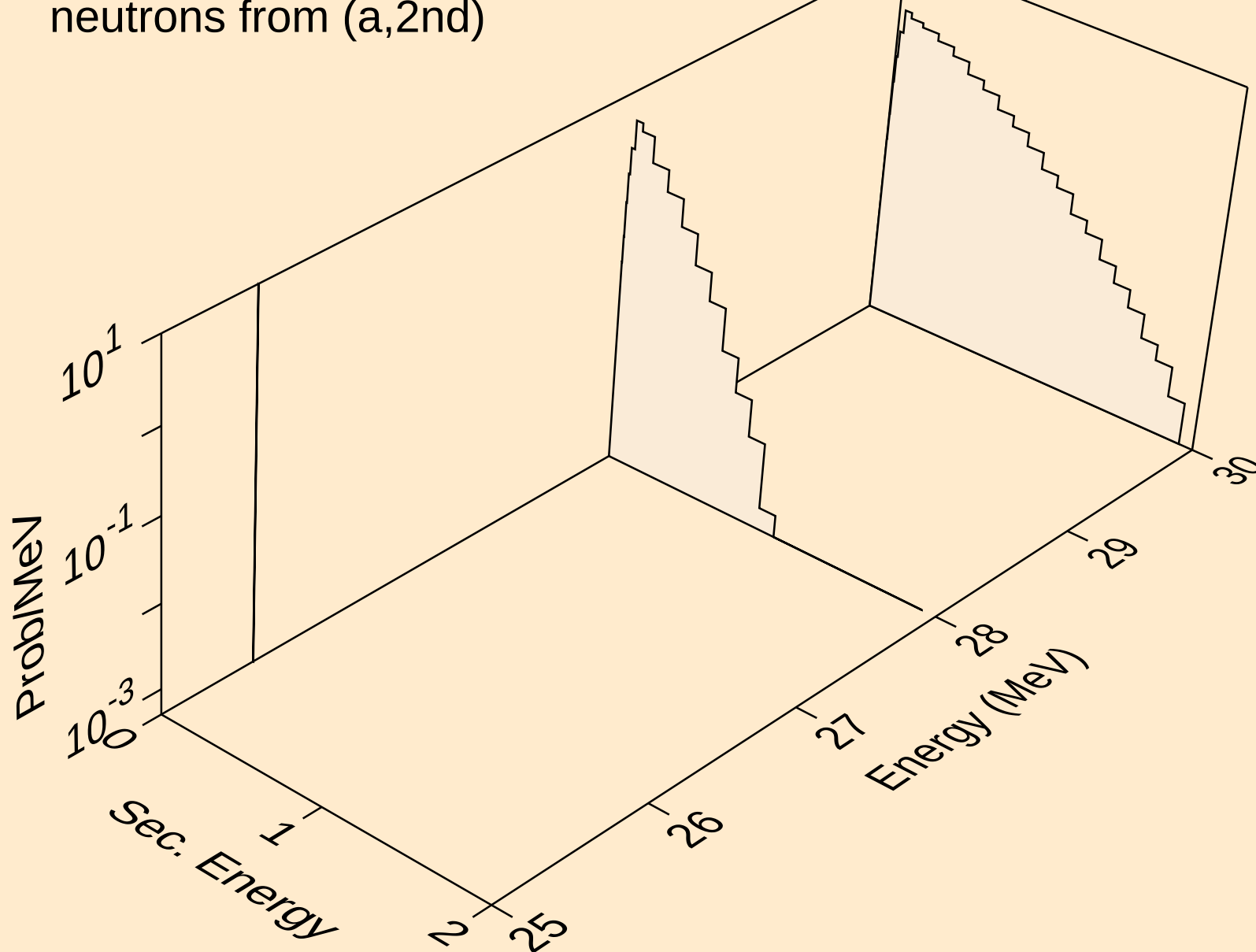
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



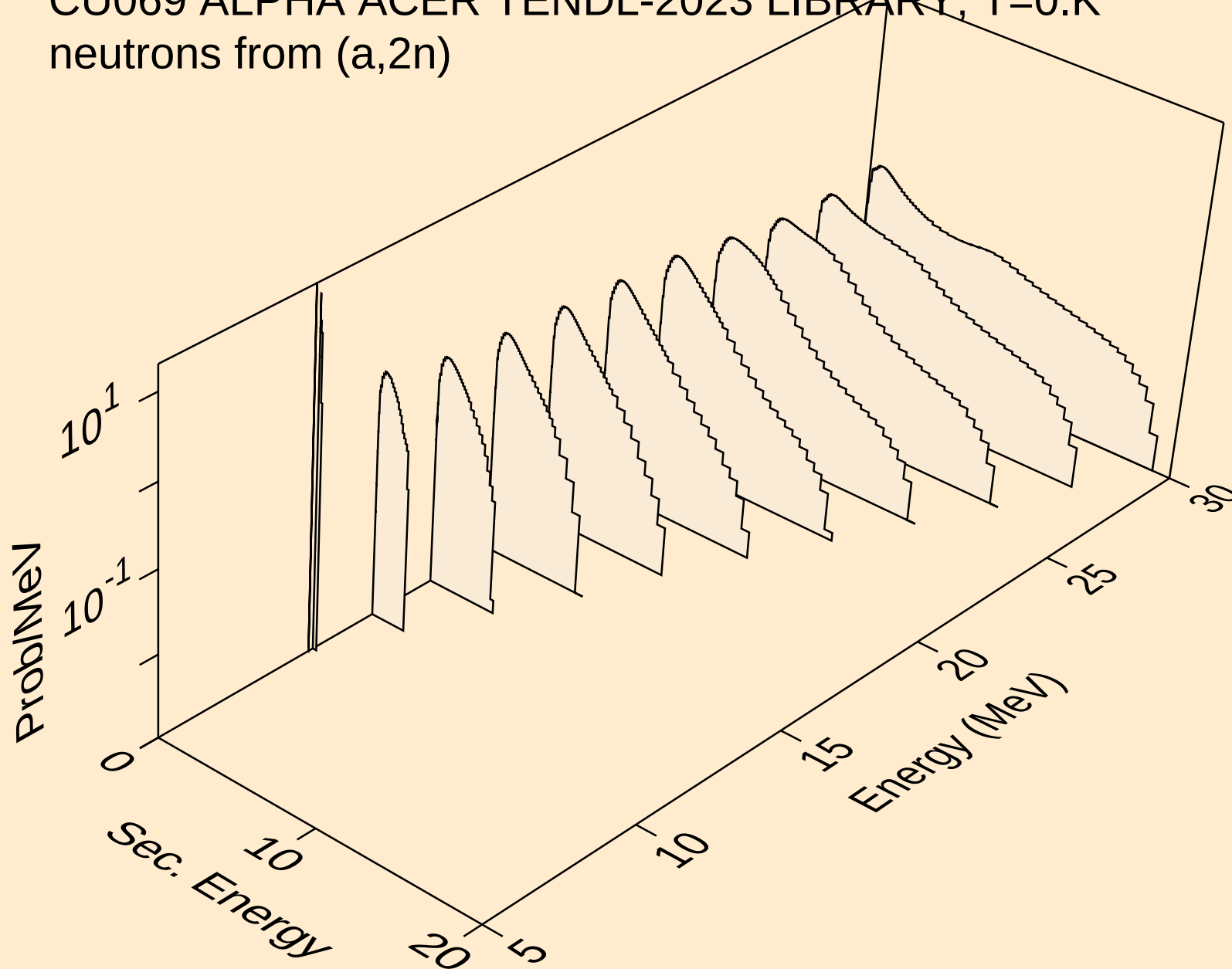
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



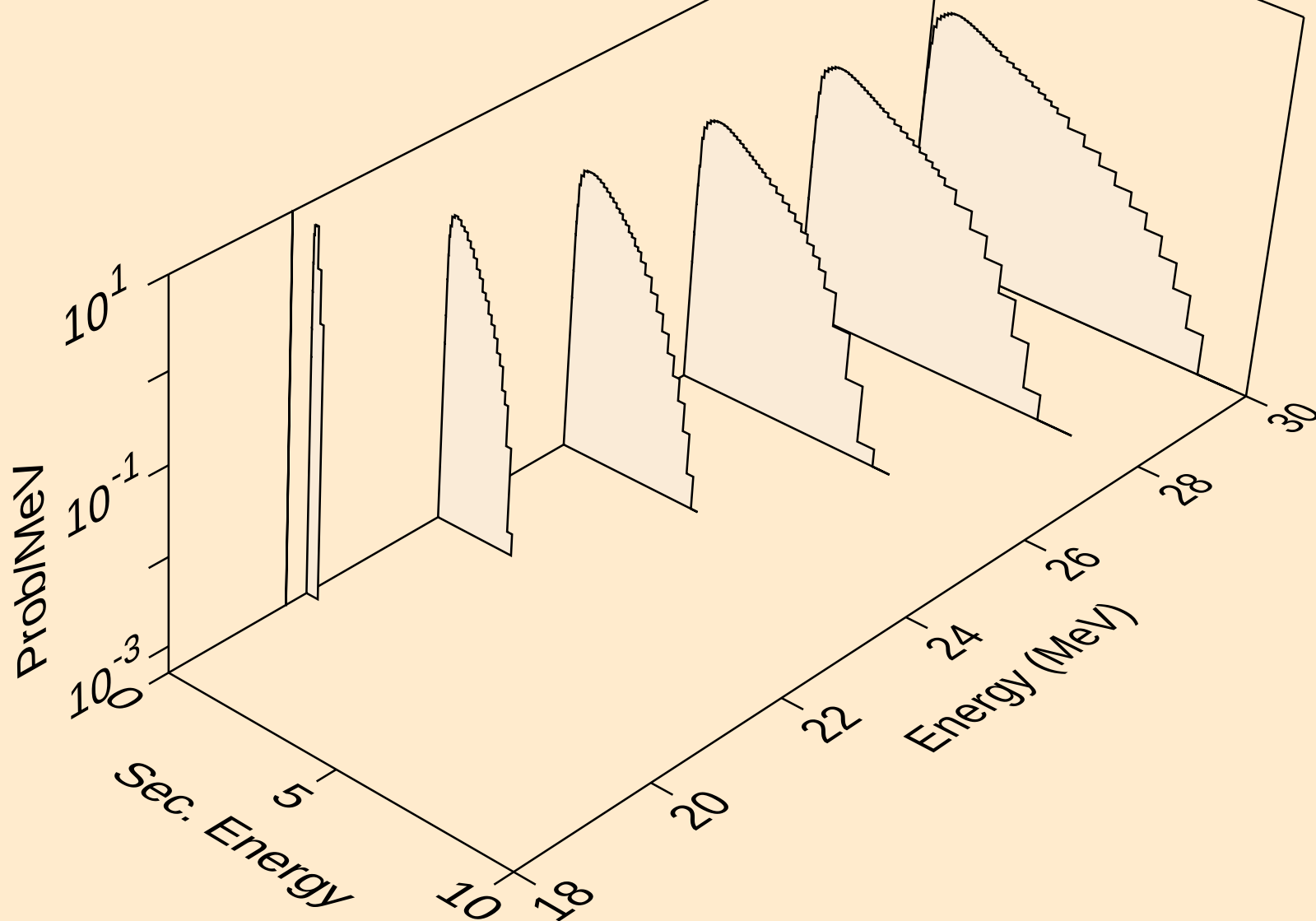
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neutrons from (a,2nd)



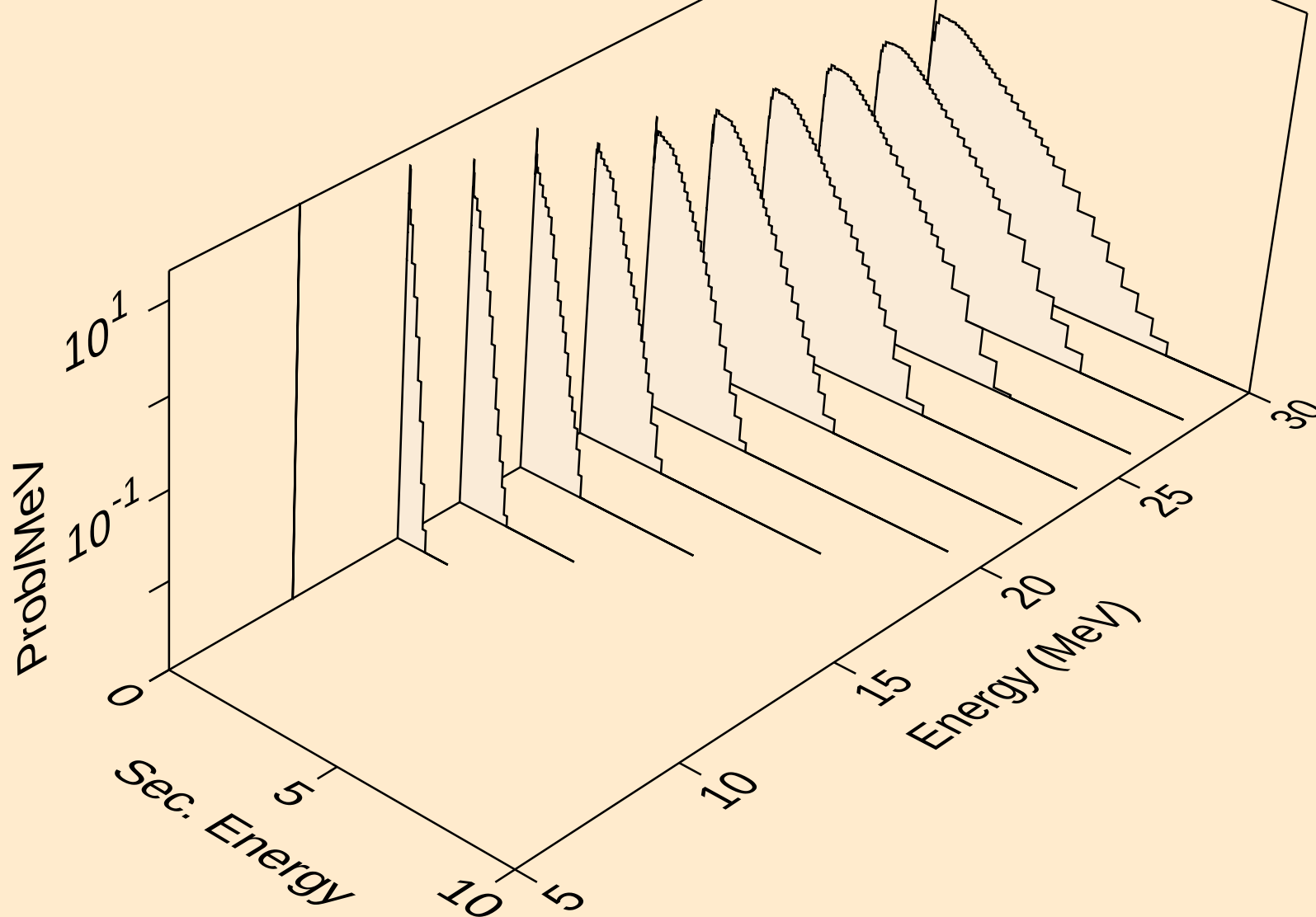
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neutrons from (a,2n)



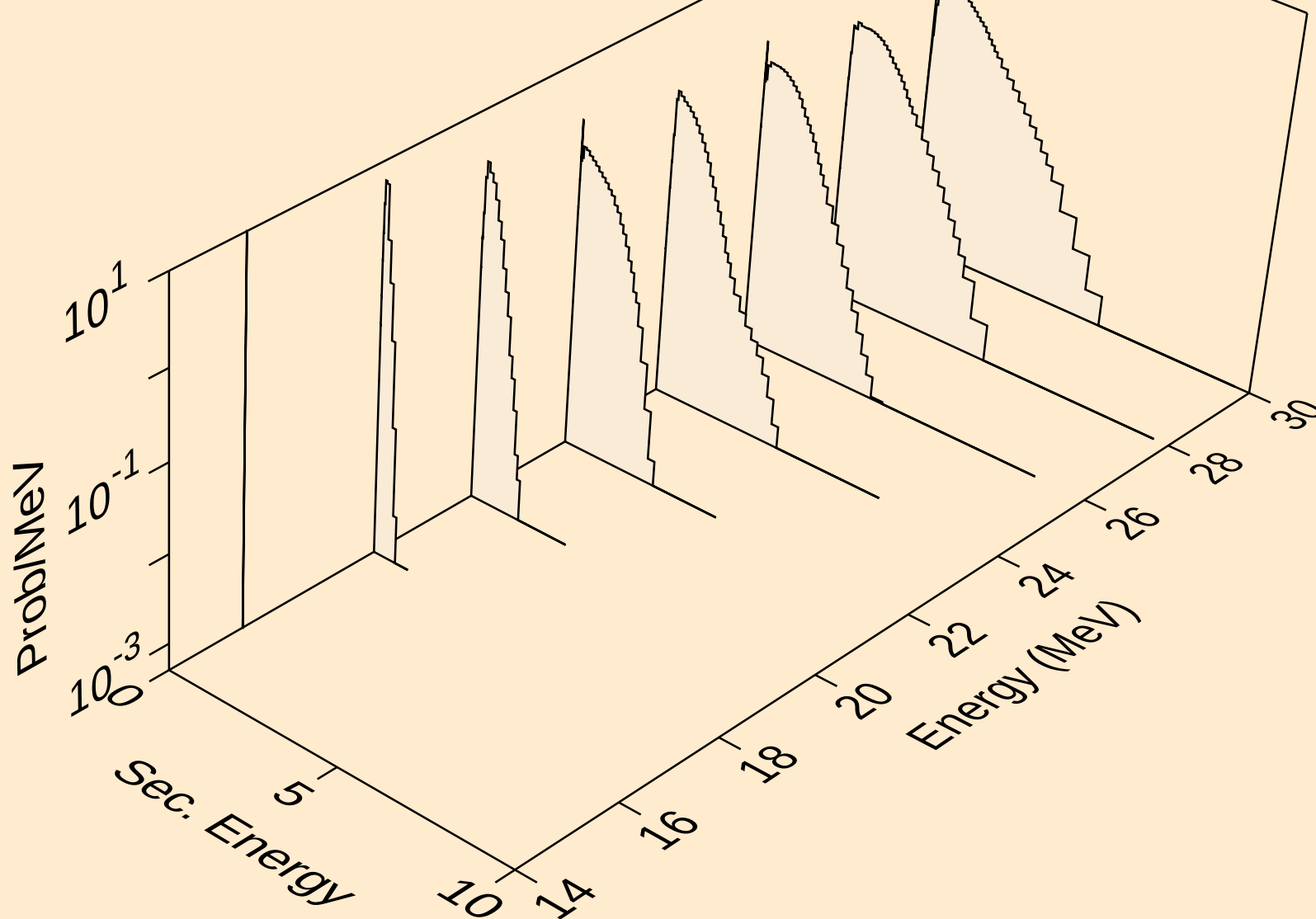
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)



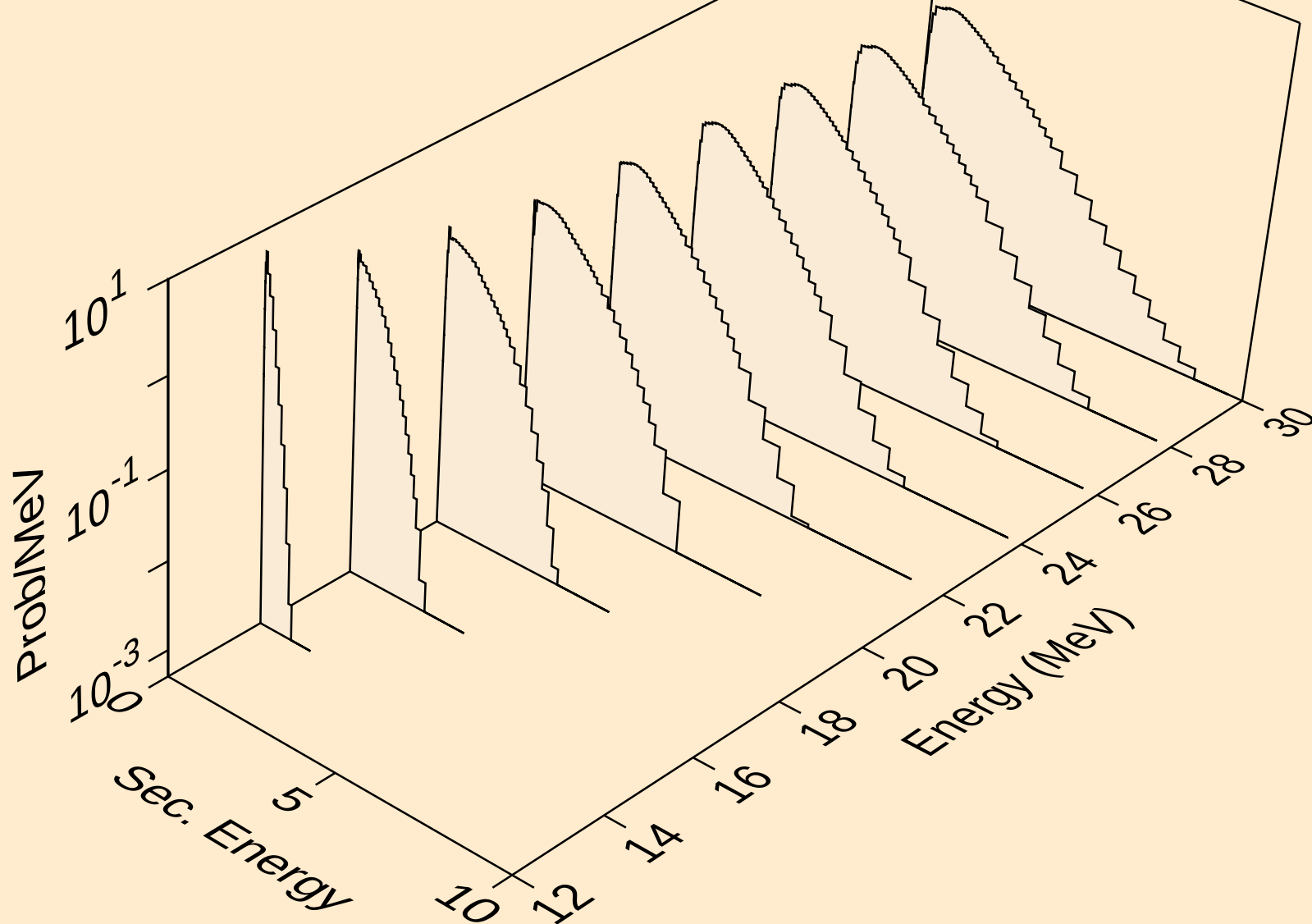
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



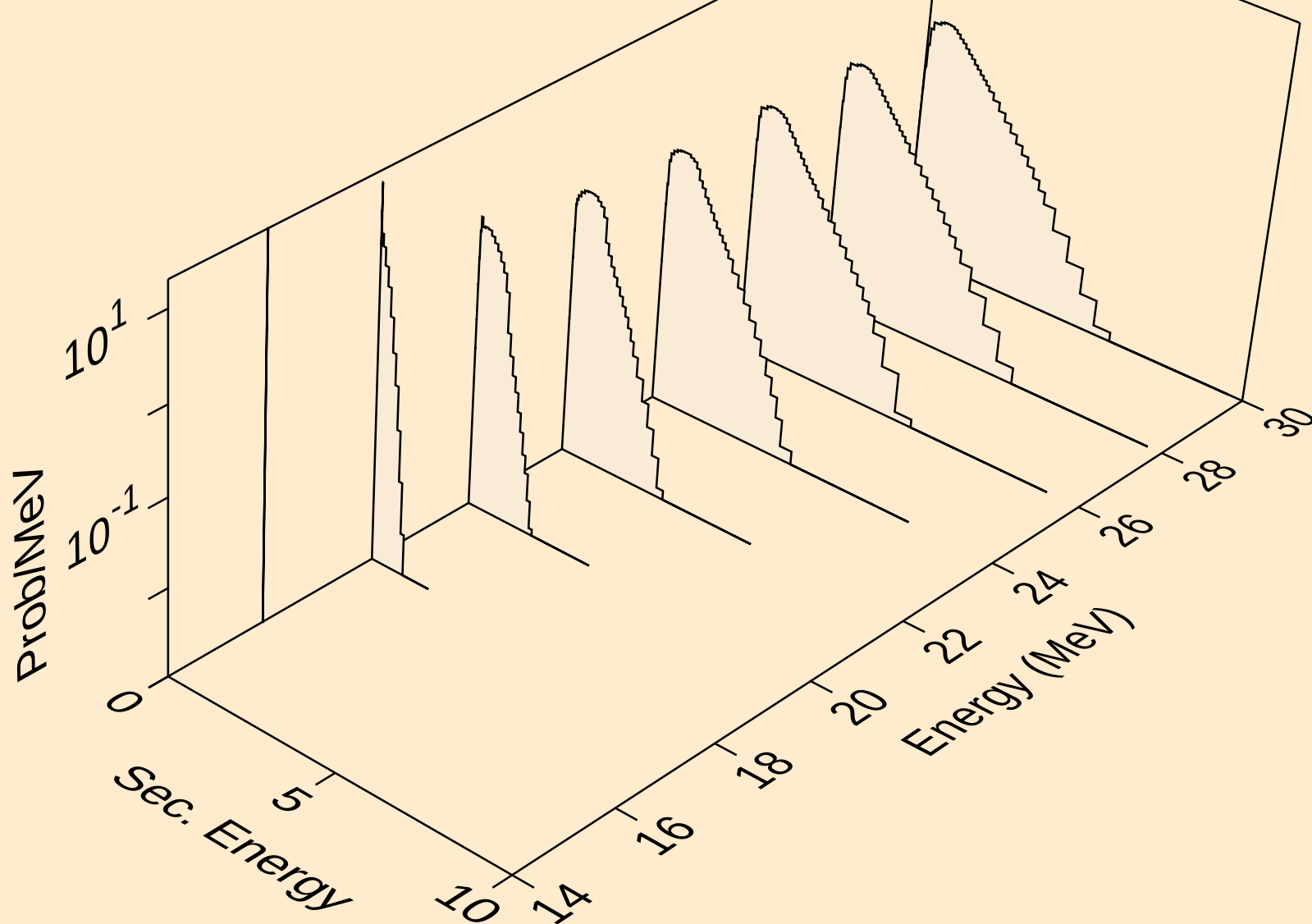
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a



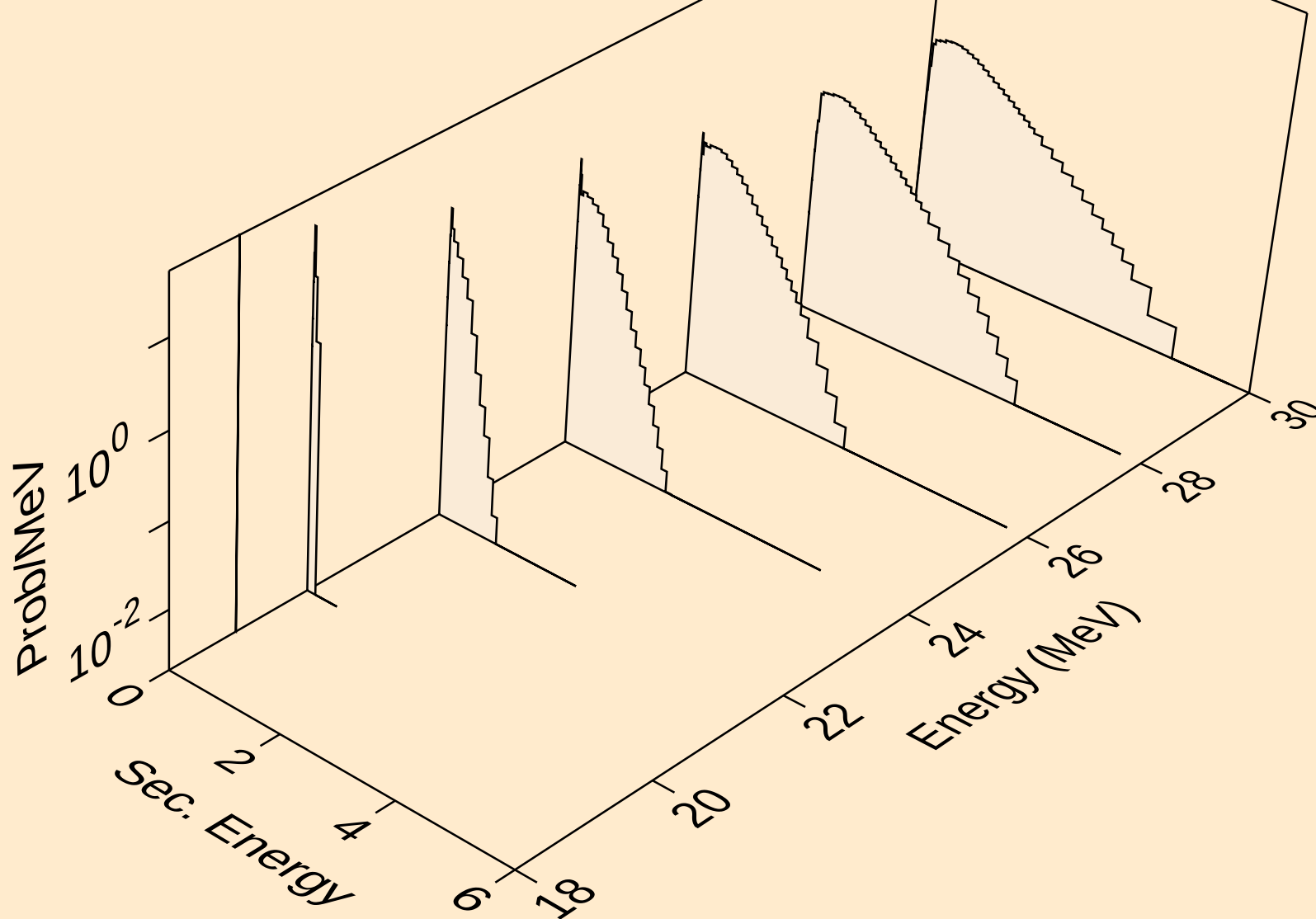
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



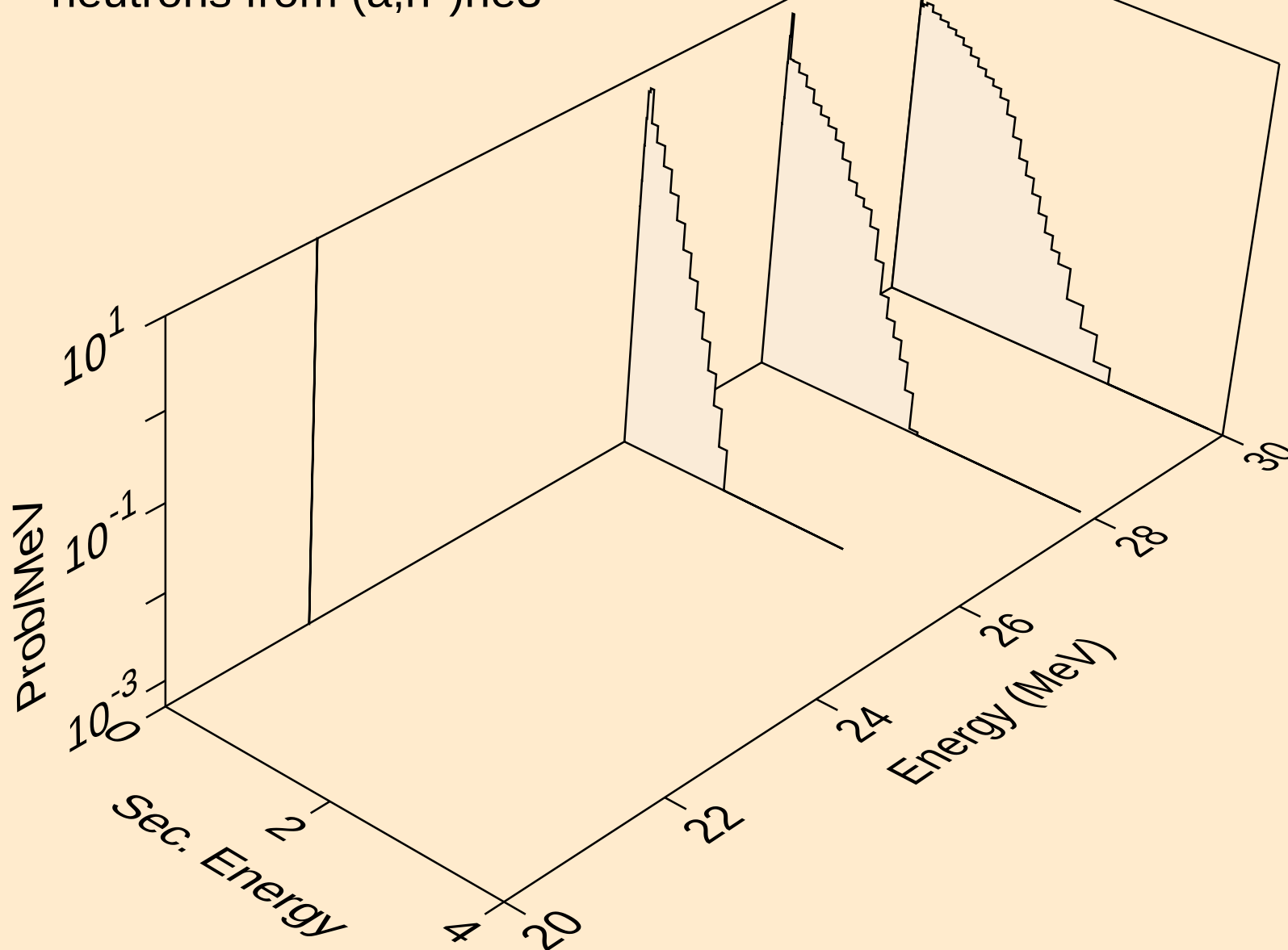
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d



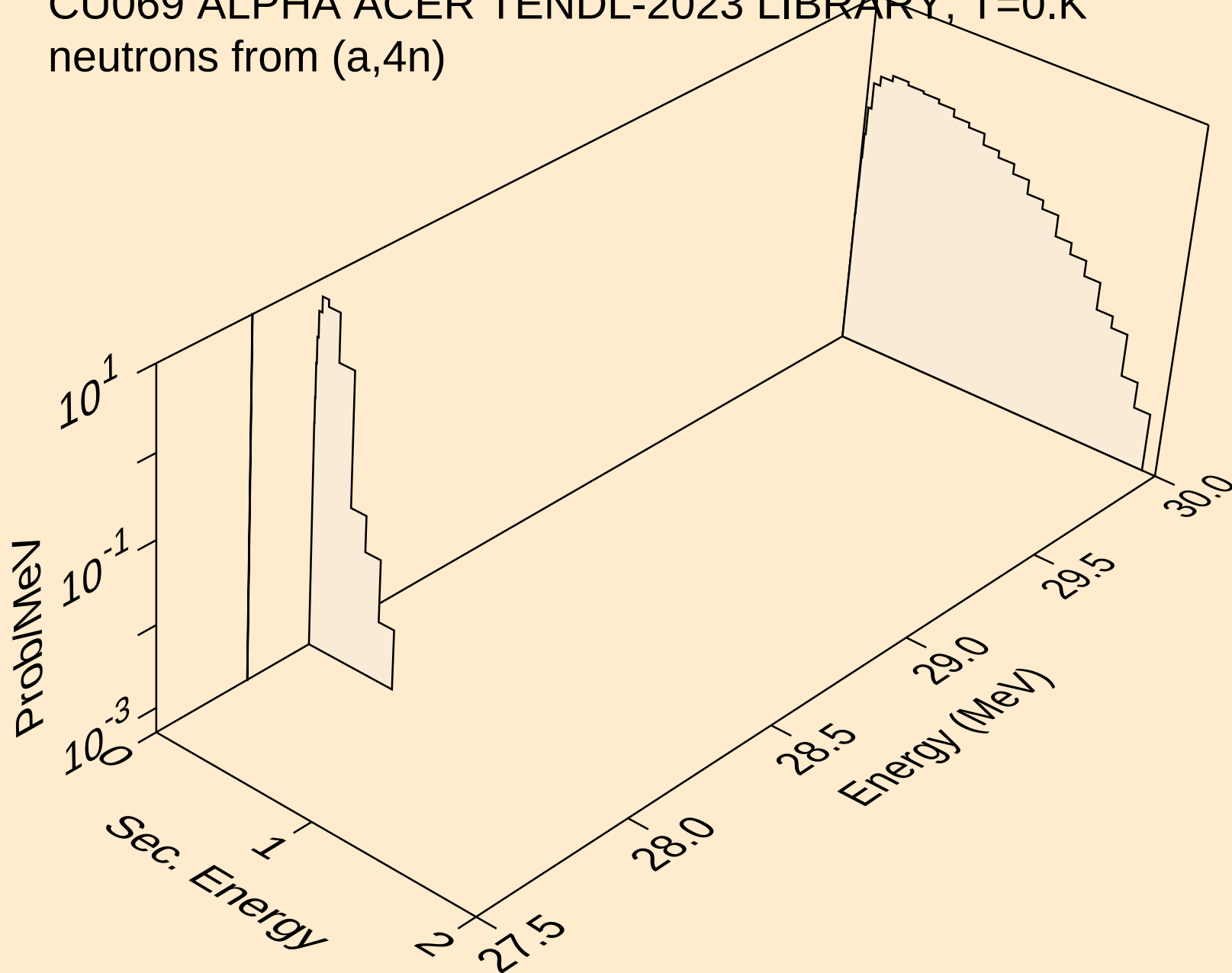
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)t



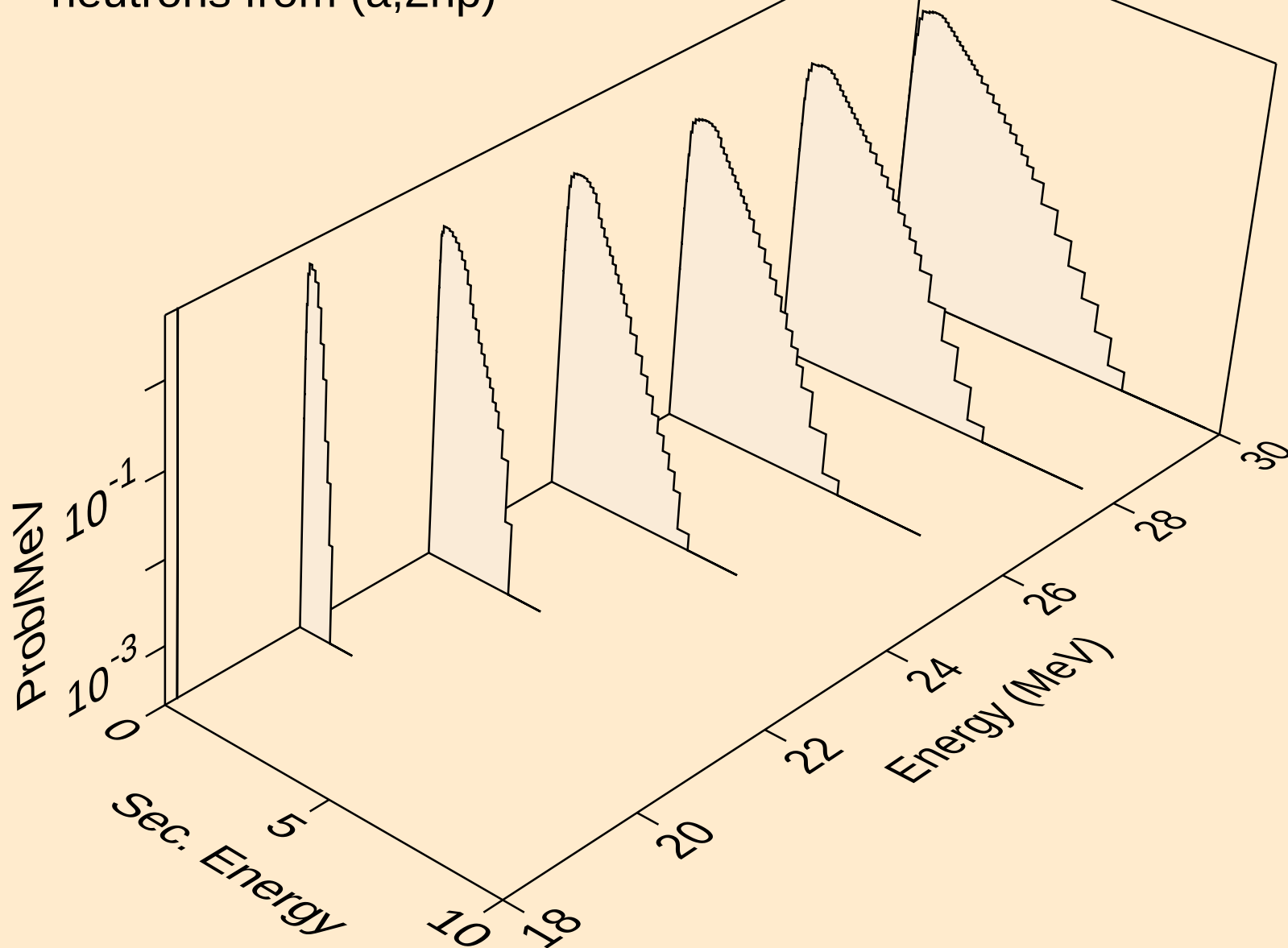
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neutrons from (a,n*)he3



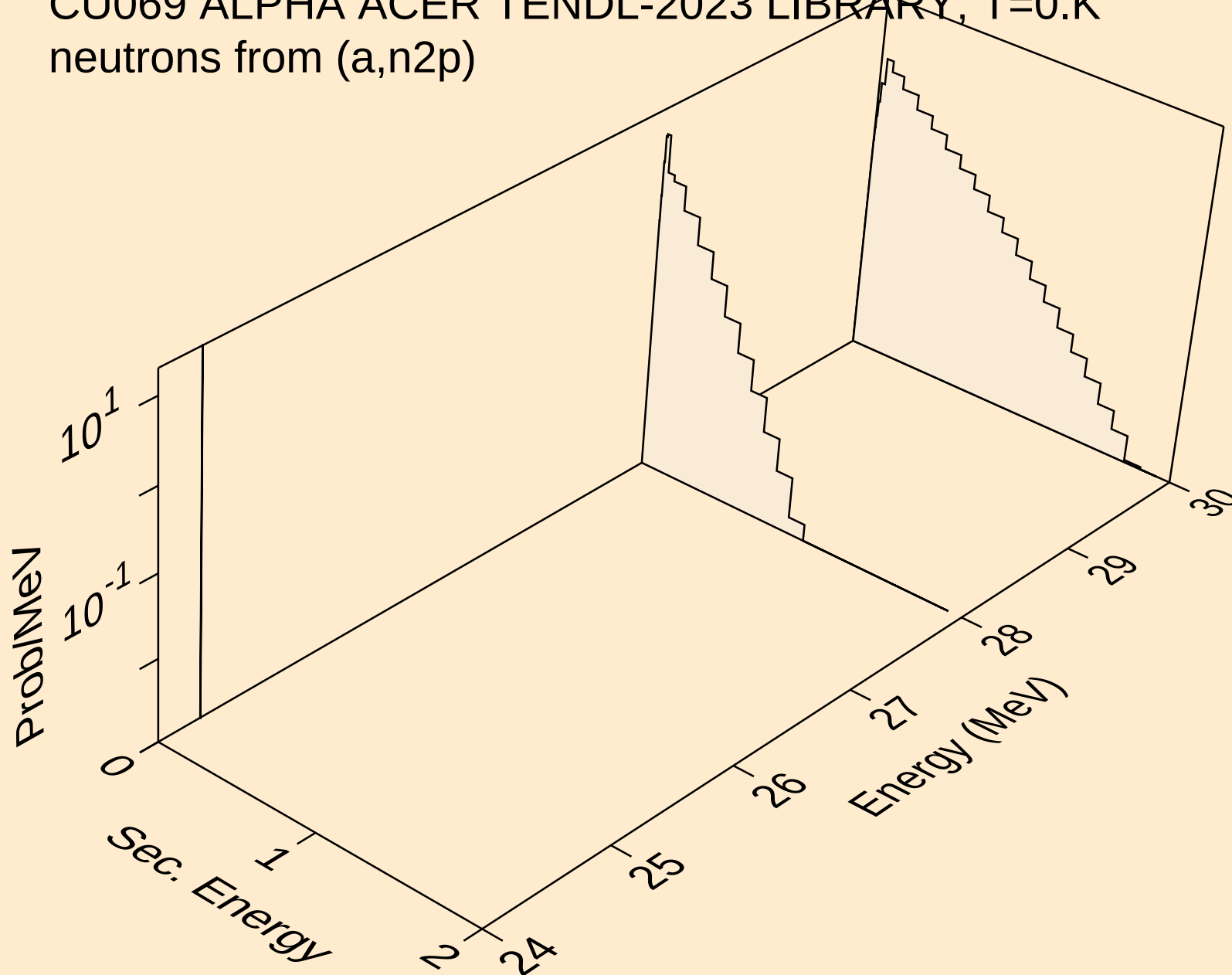
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,4n)



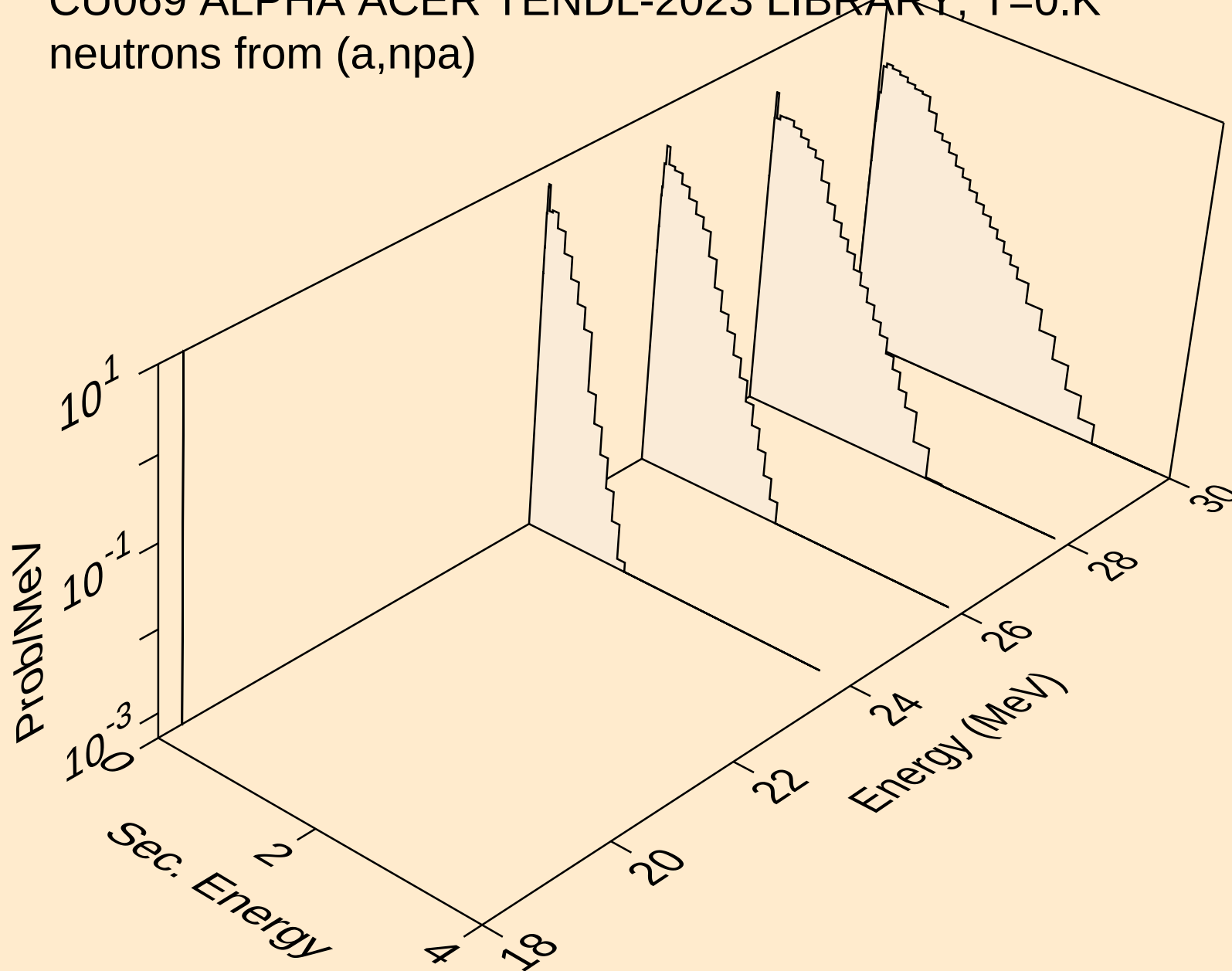
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neutrons from (a,2np)



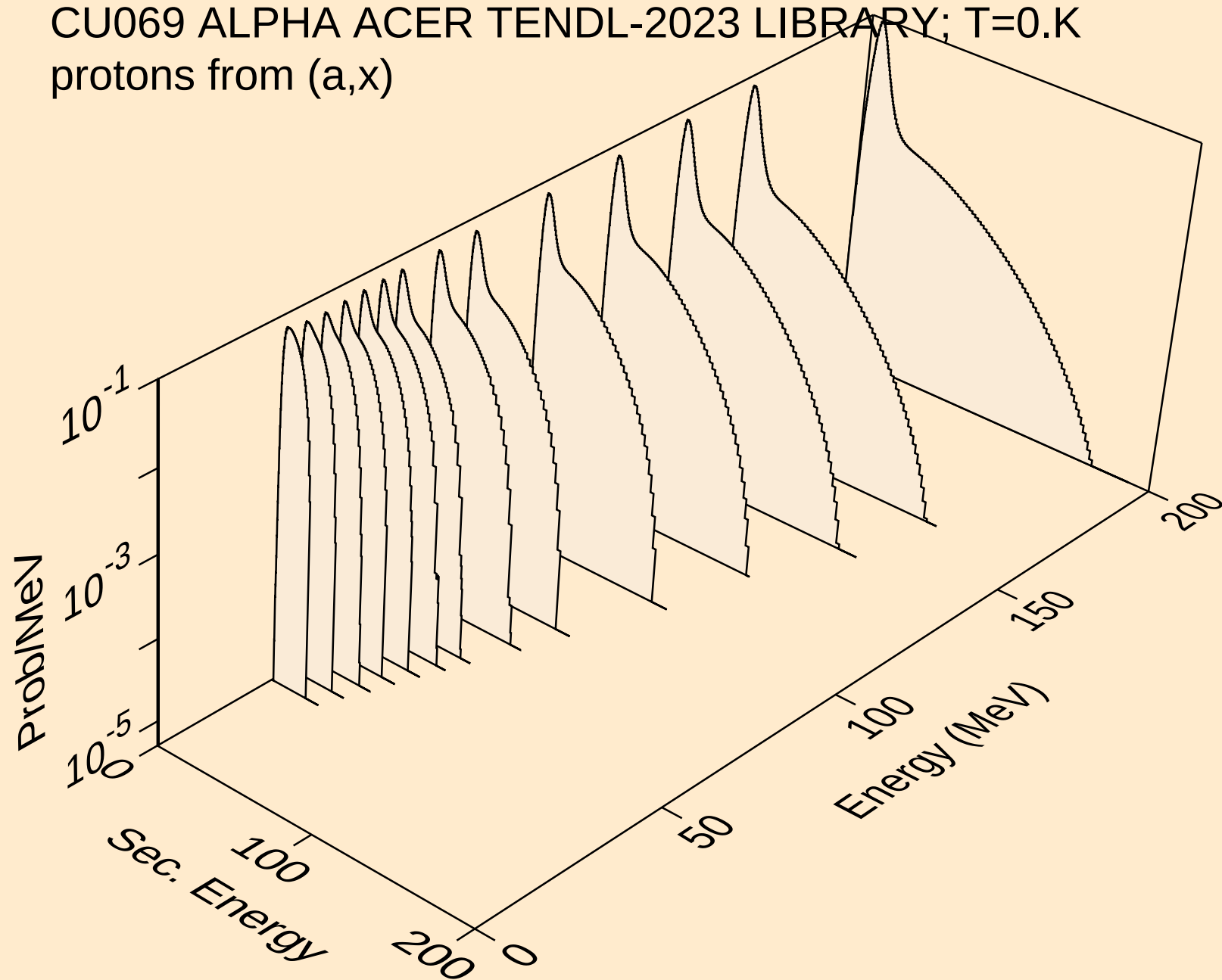
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neutrons from (a,n2p)



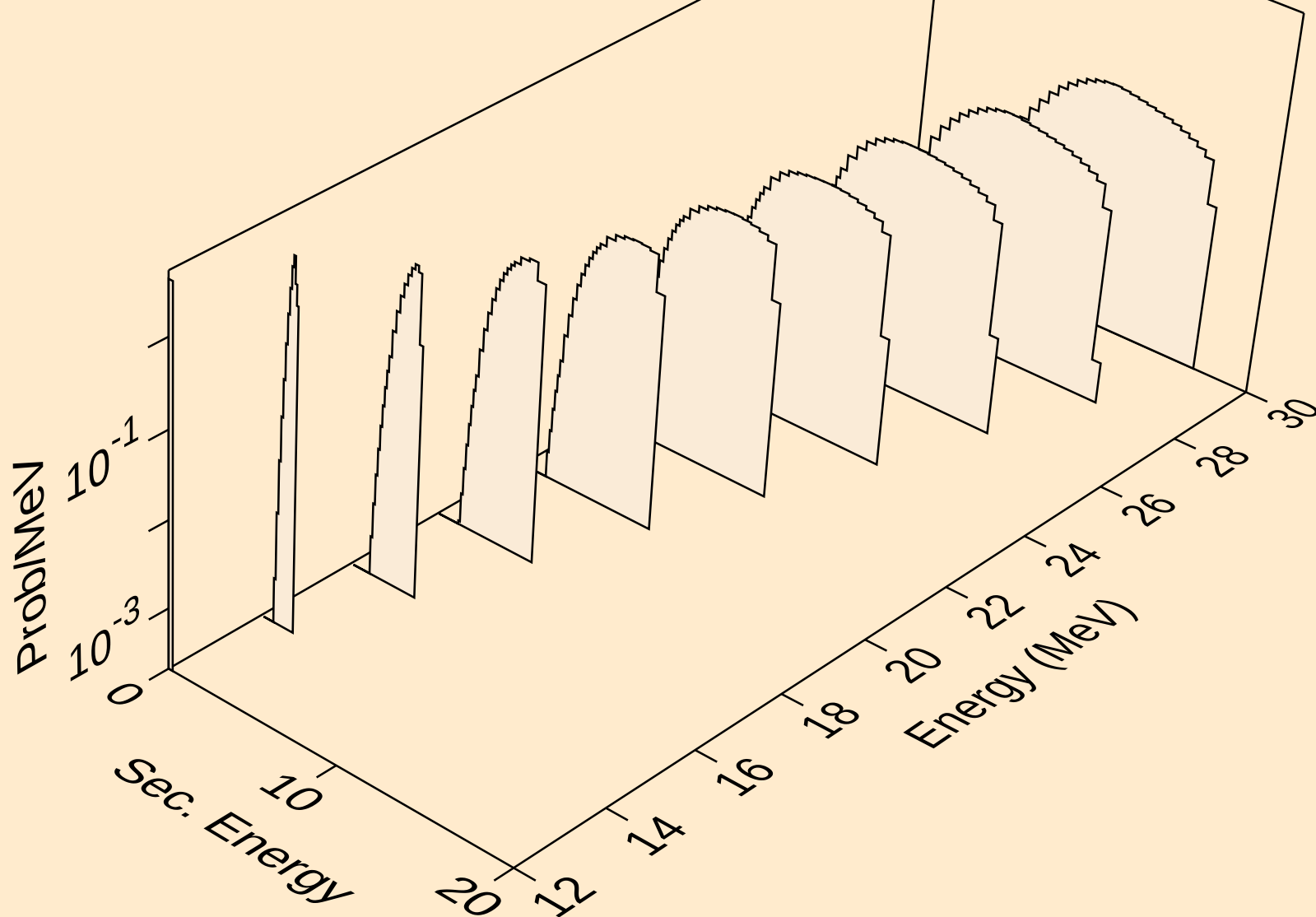
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neutrons from (a,npa)



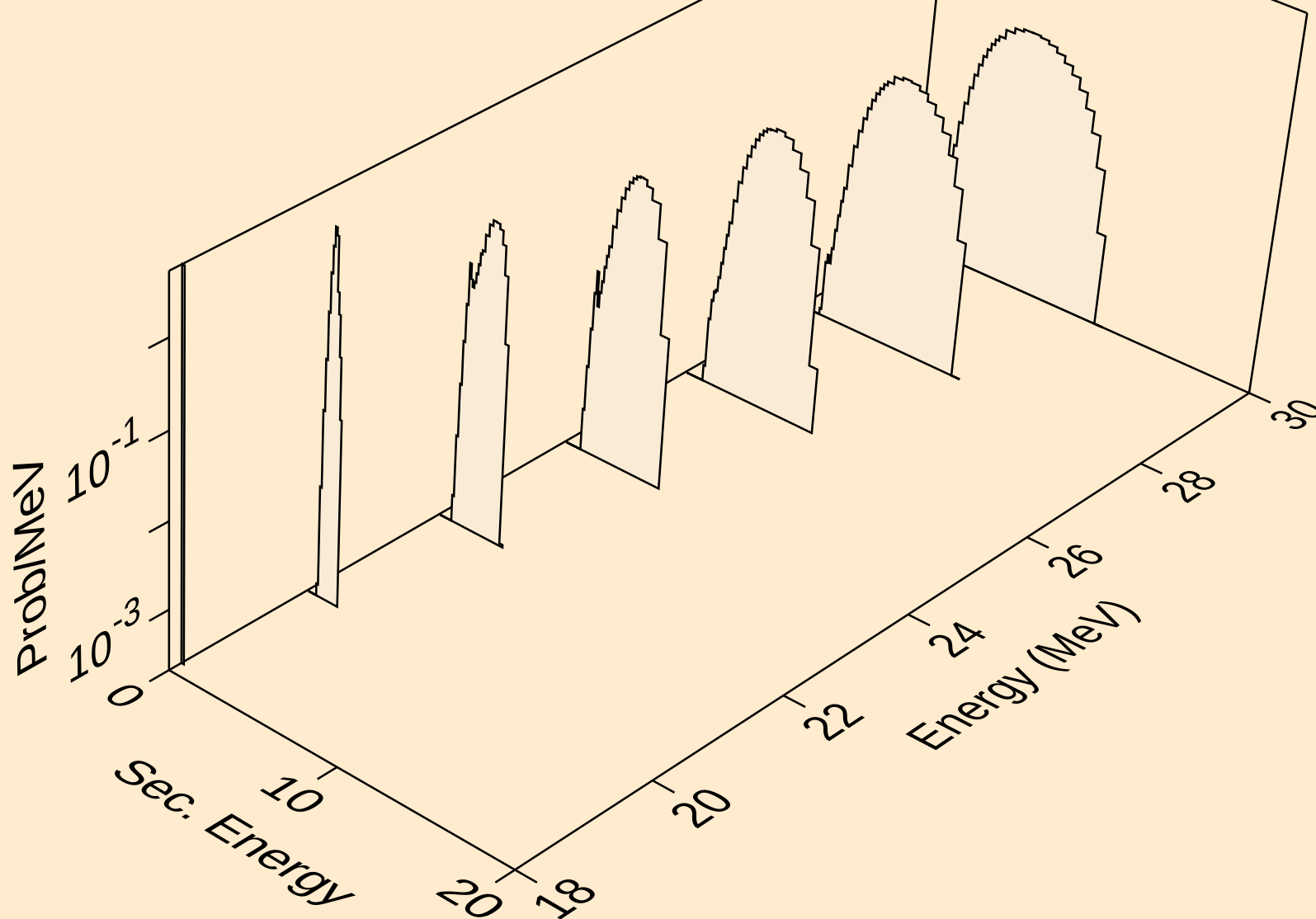
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protons from (a,x)



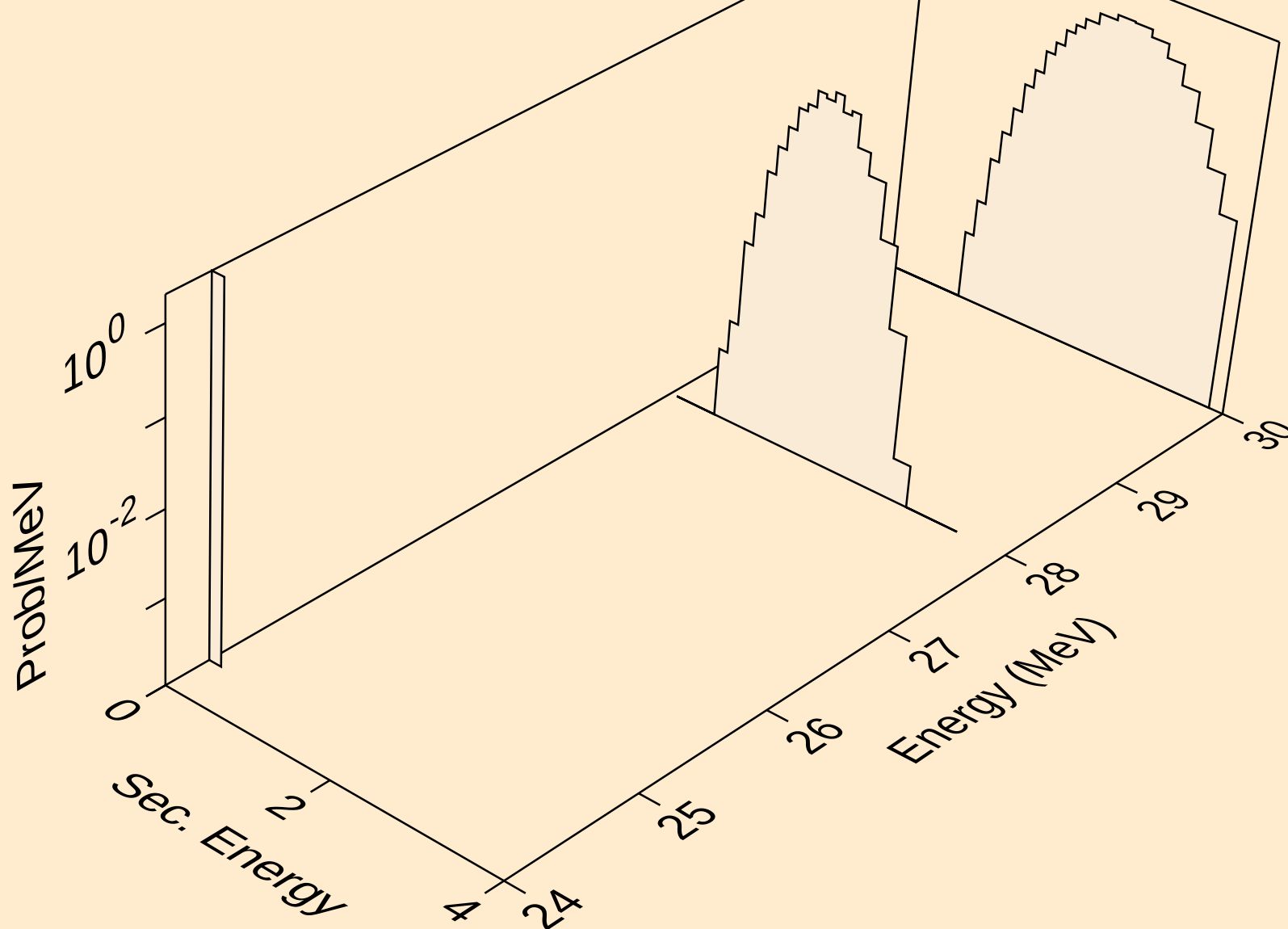
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protons from (a,n*)p



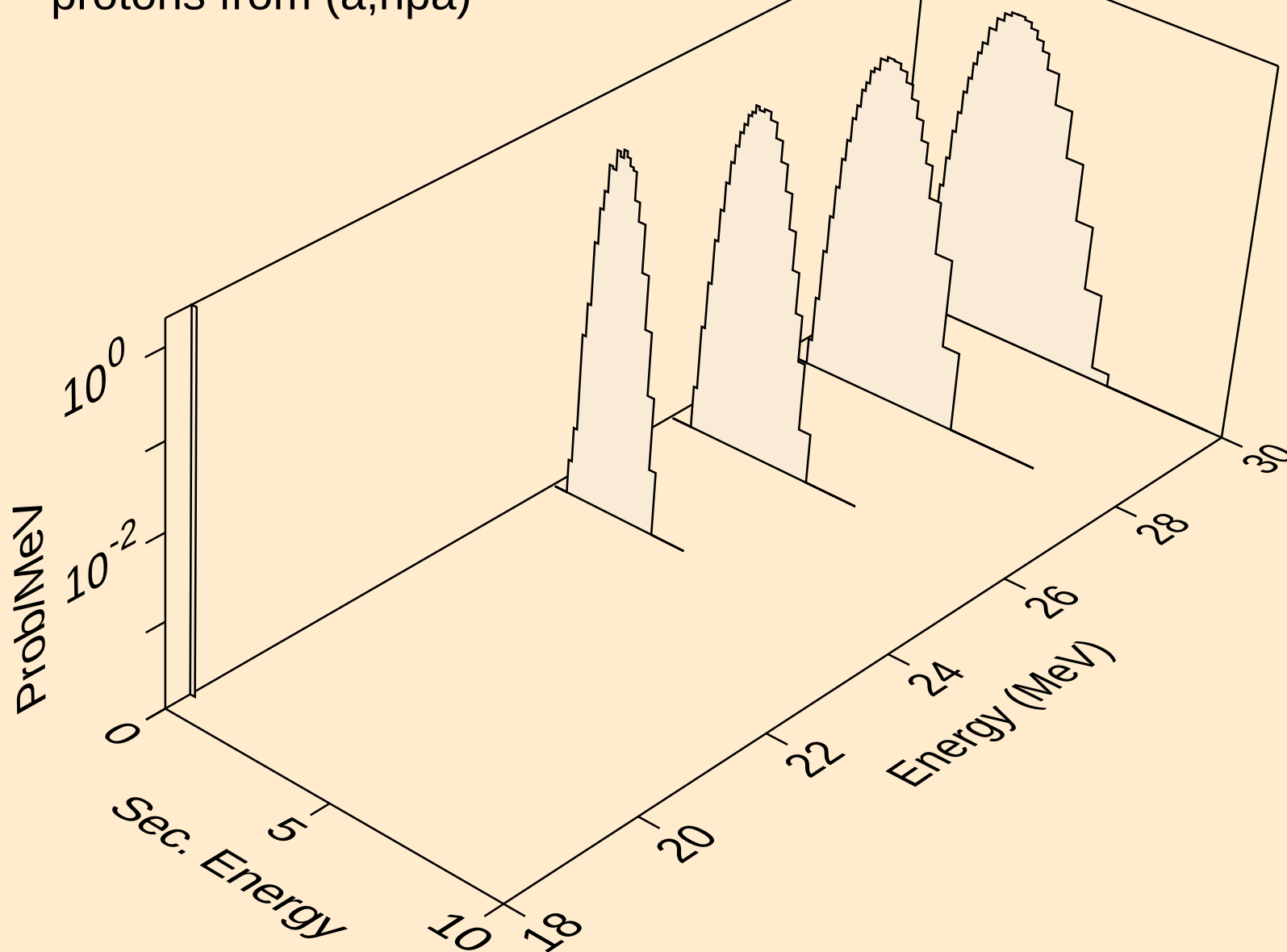
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protons from (a,2np)



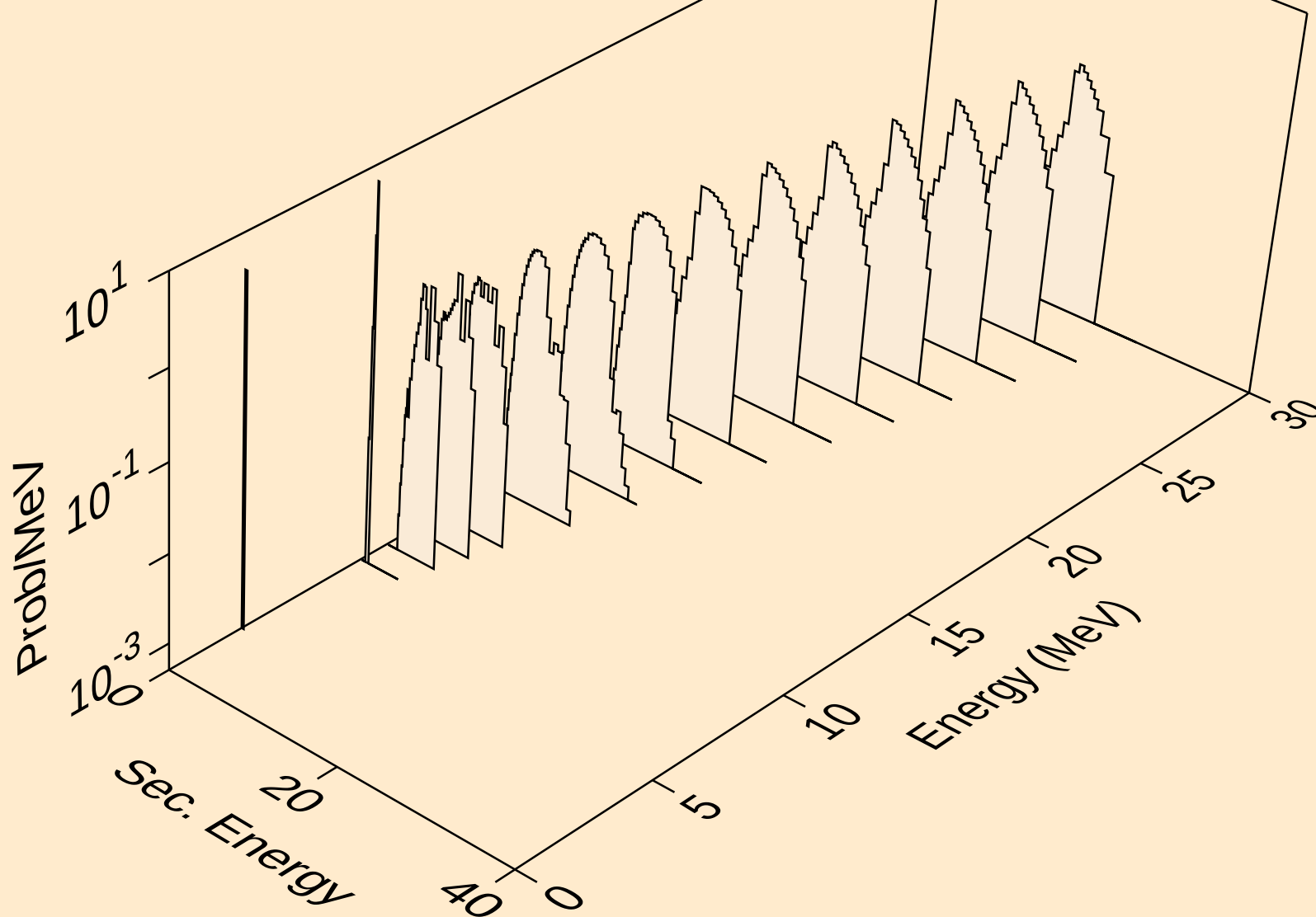
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protons from (a,n2p)



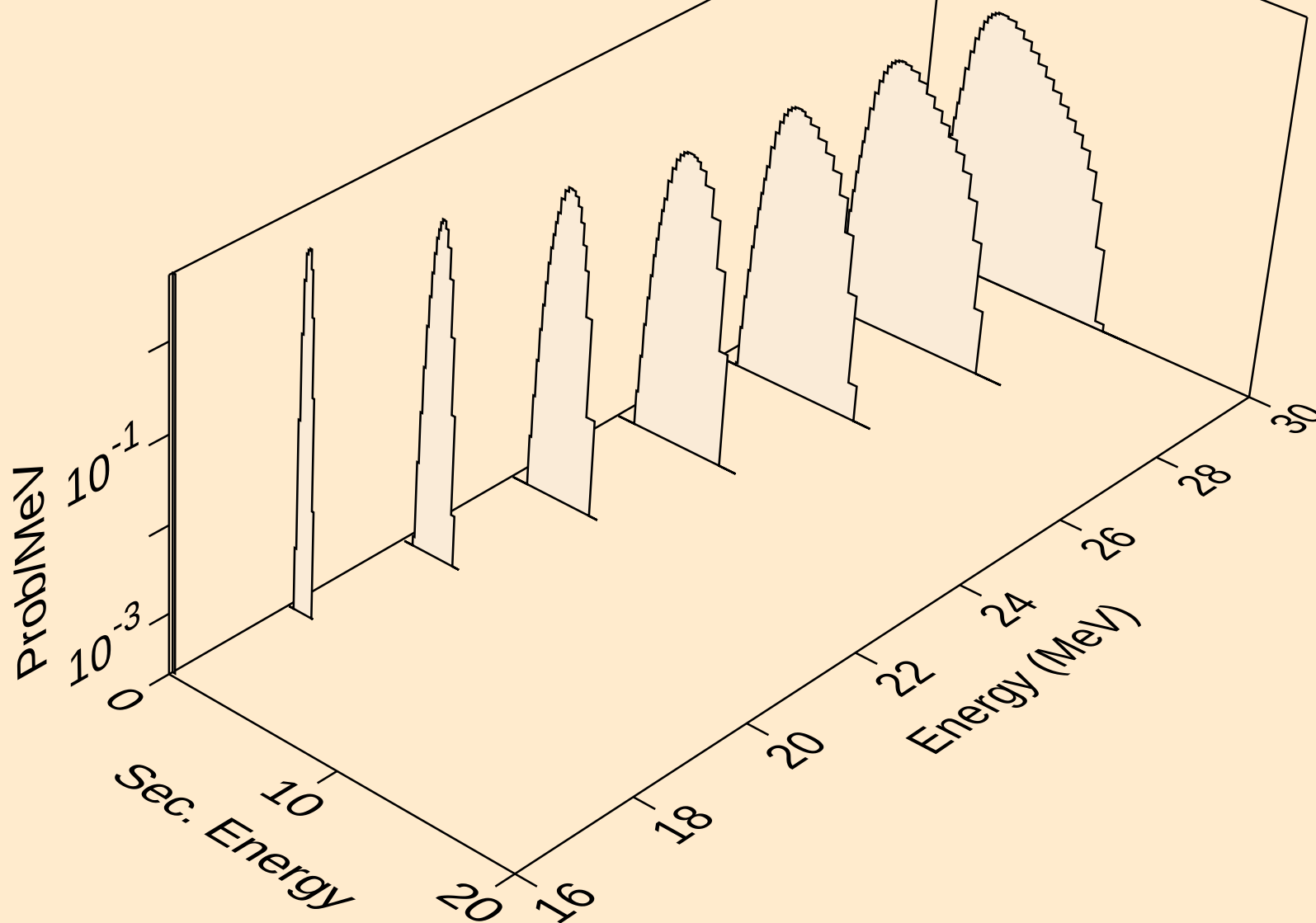
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protons from (a,npa)



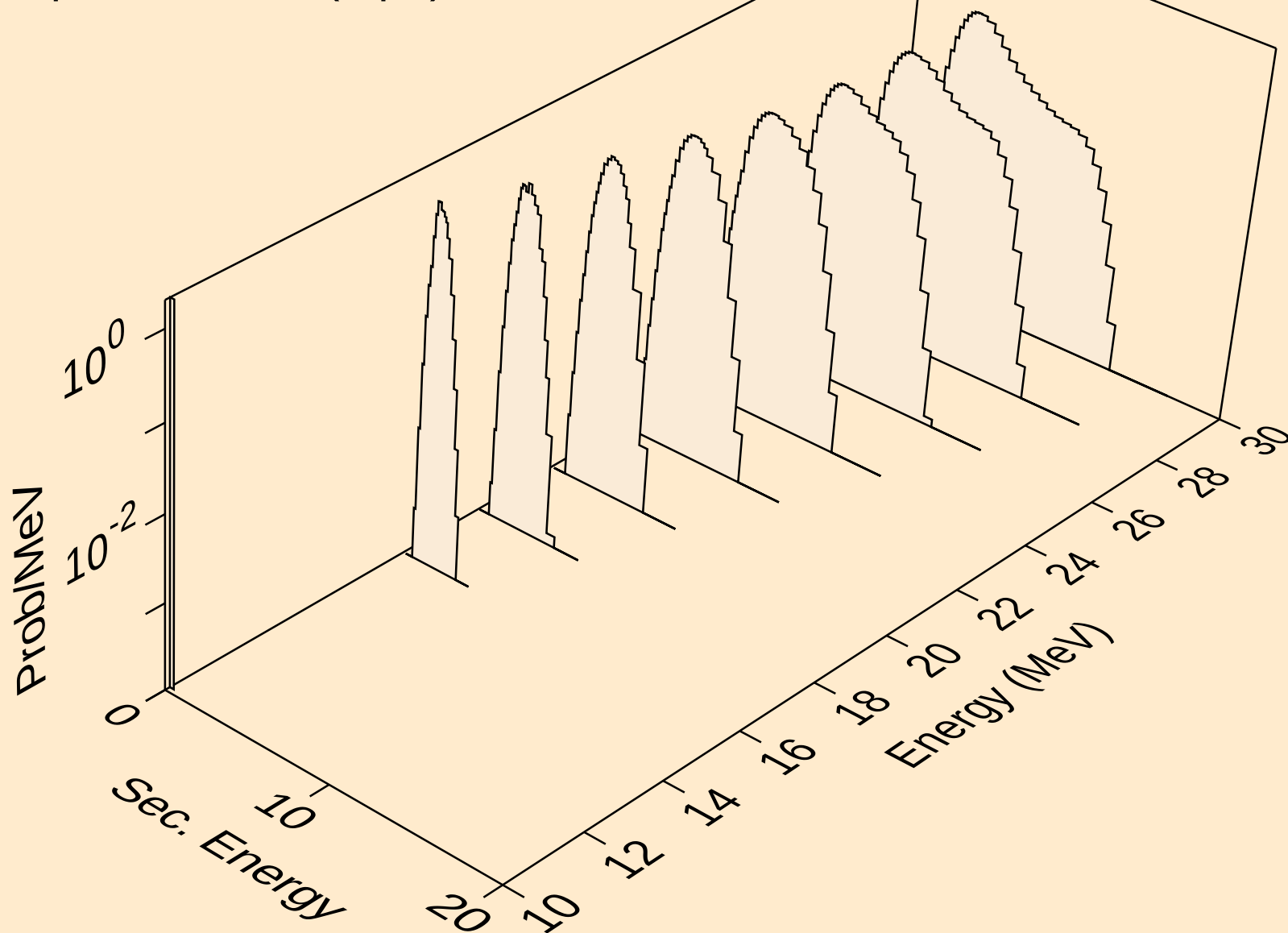
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,p)



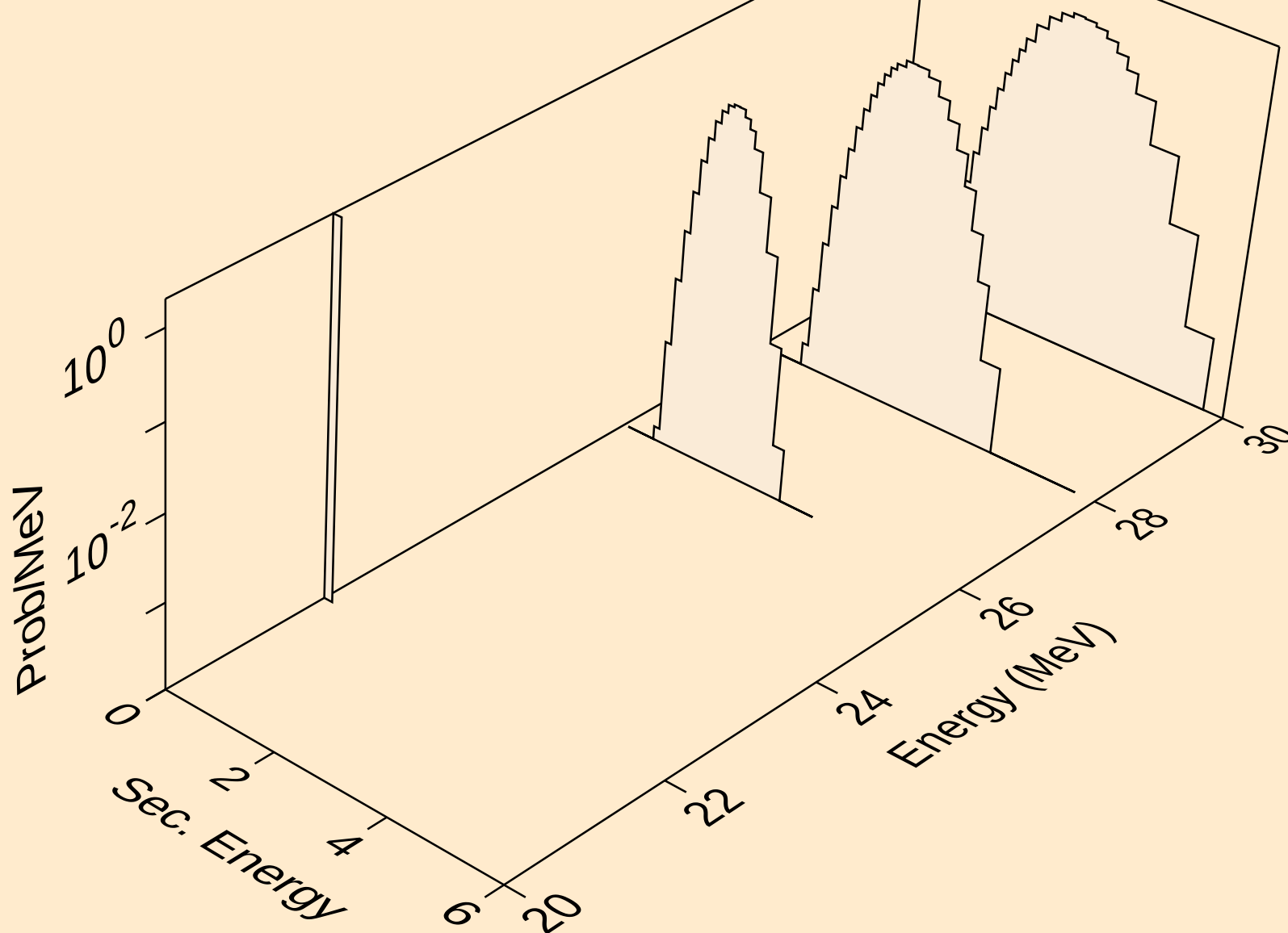
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protons from (a,2p)



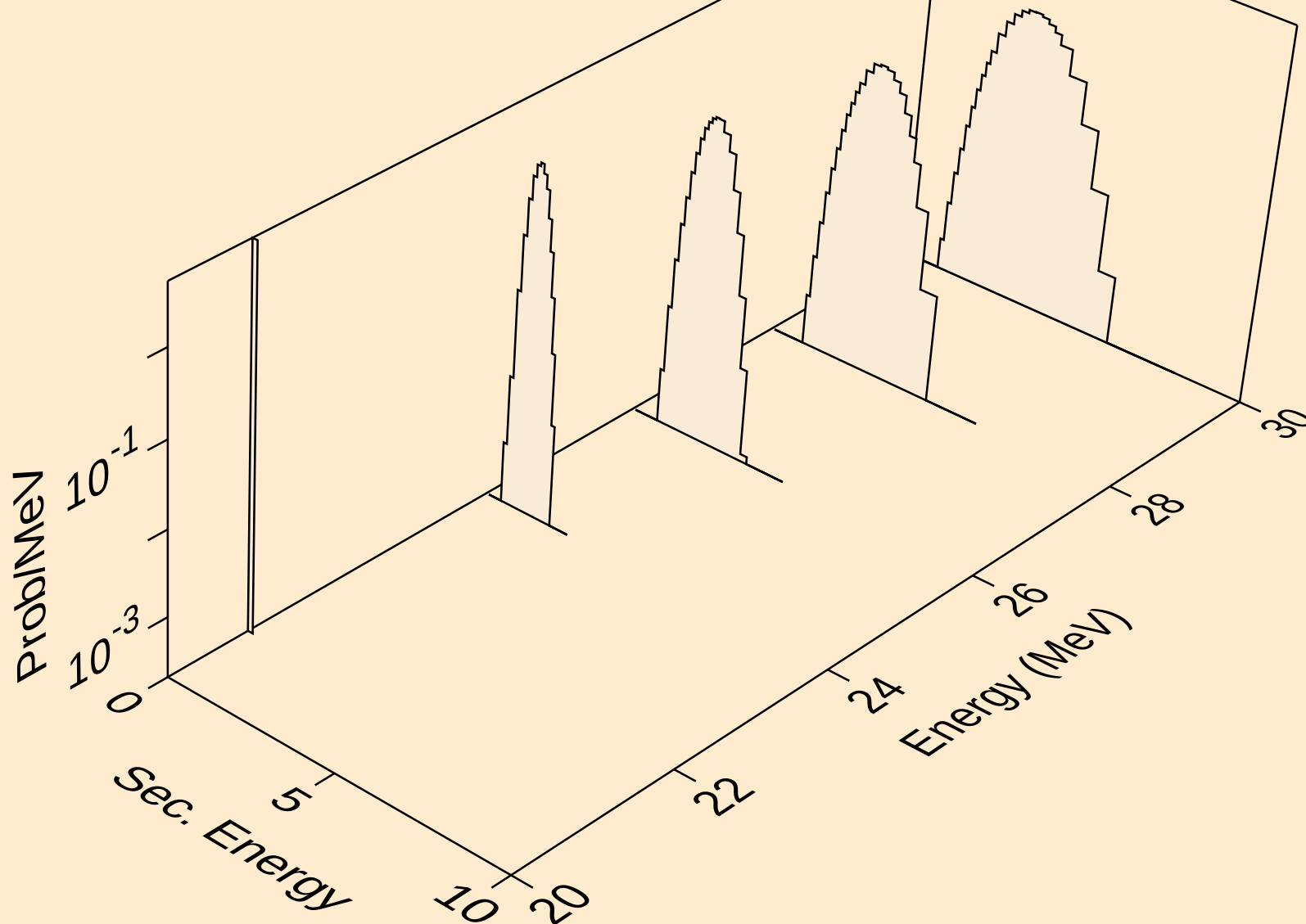
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protons from (a,pa)



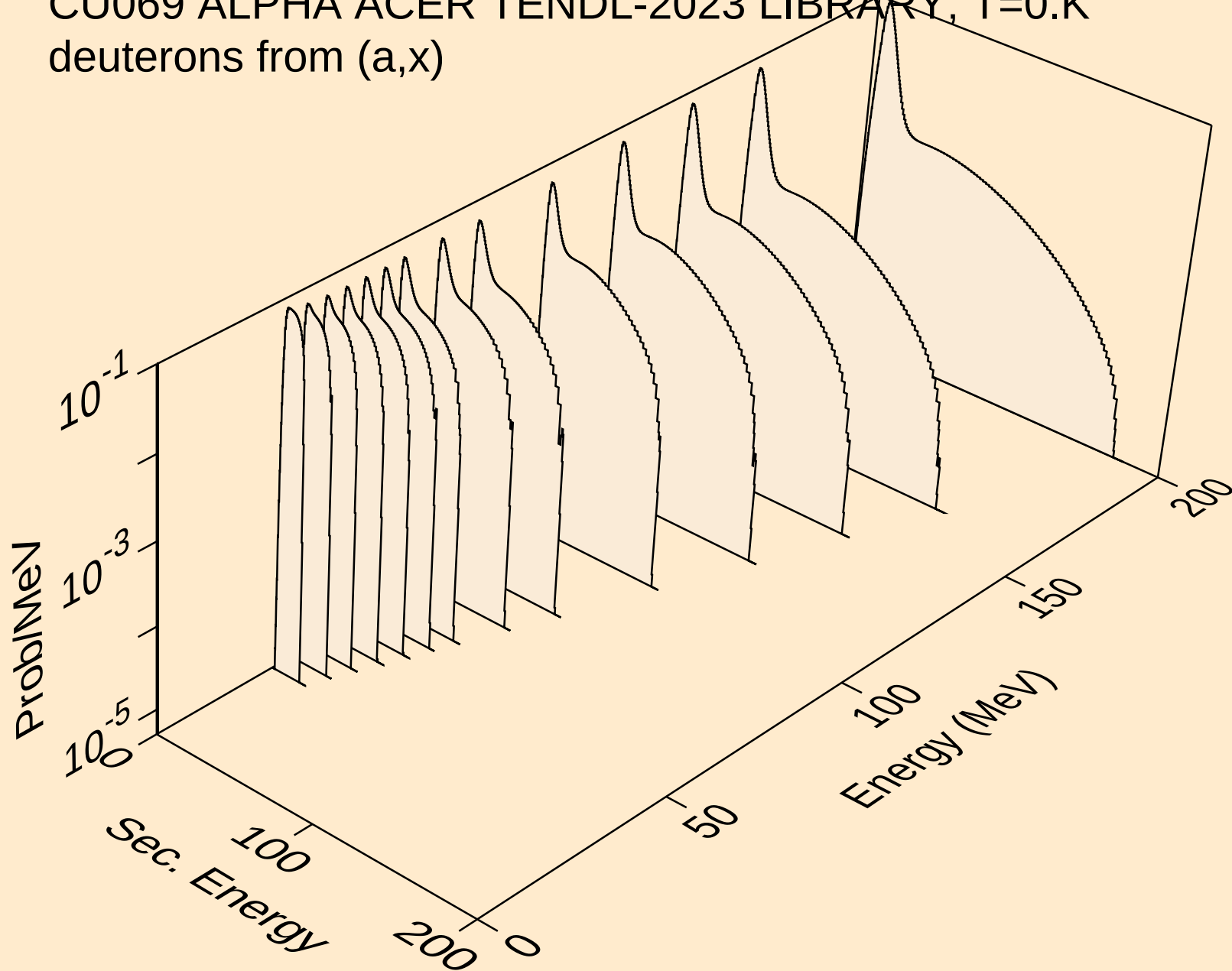
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protons from (a,pd)



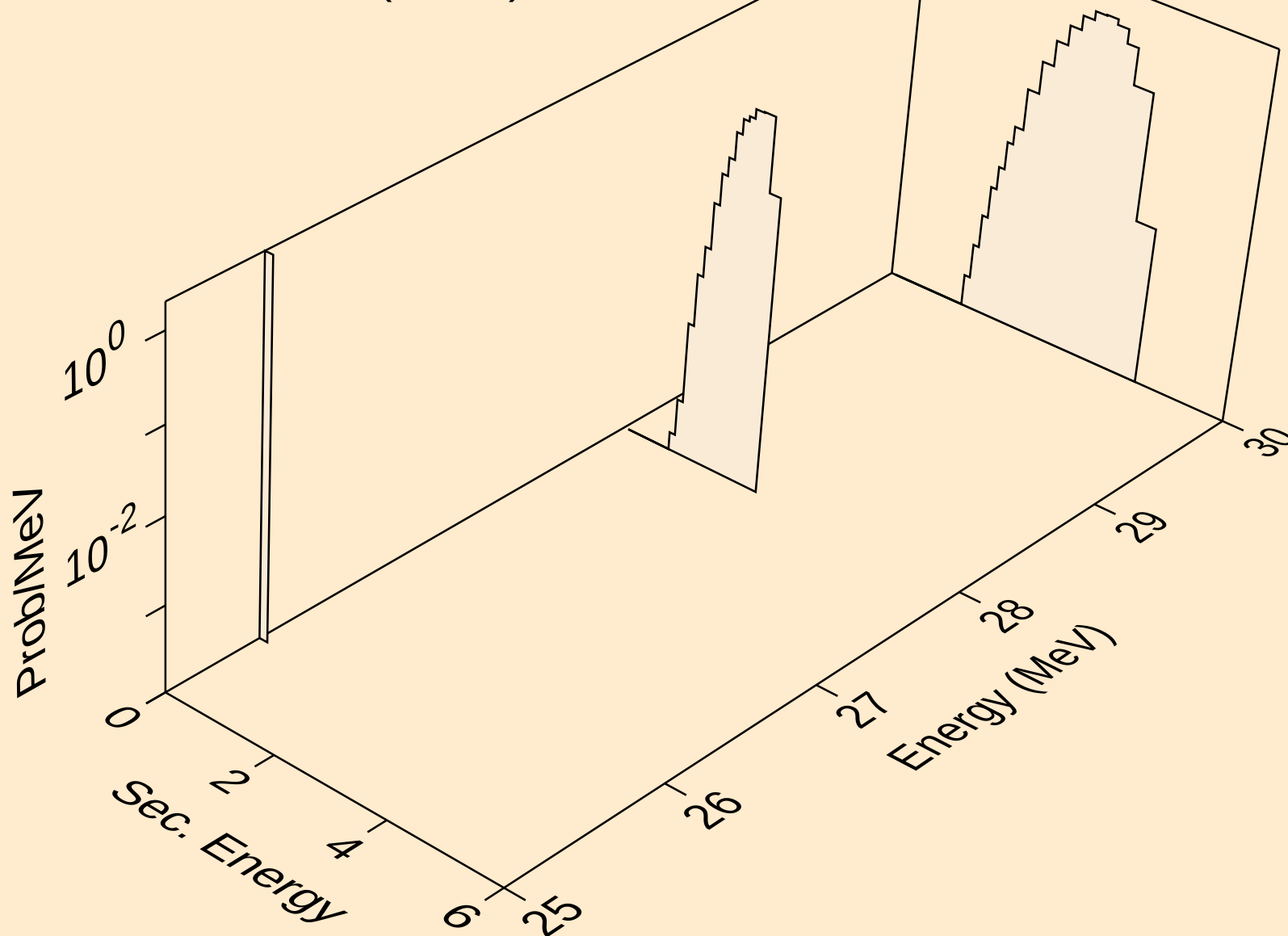
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protons from (a,pt)



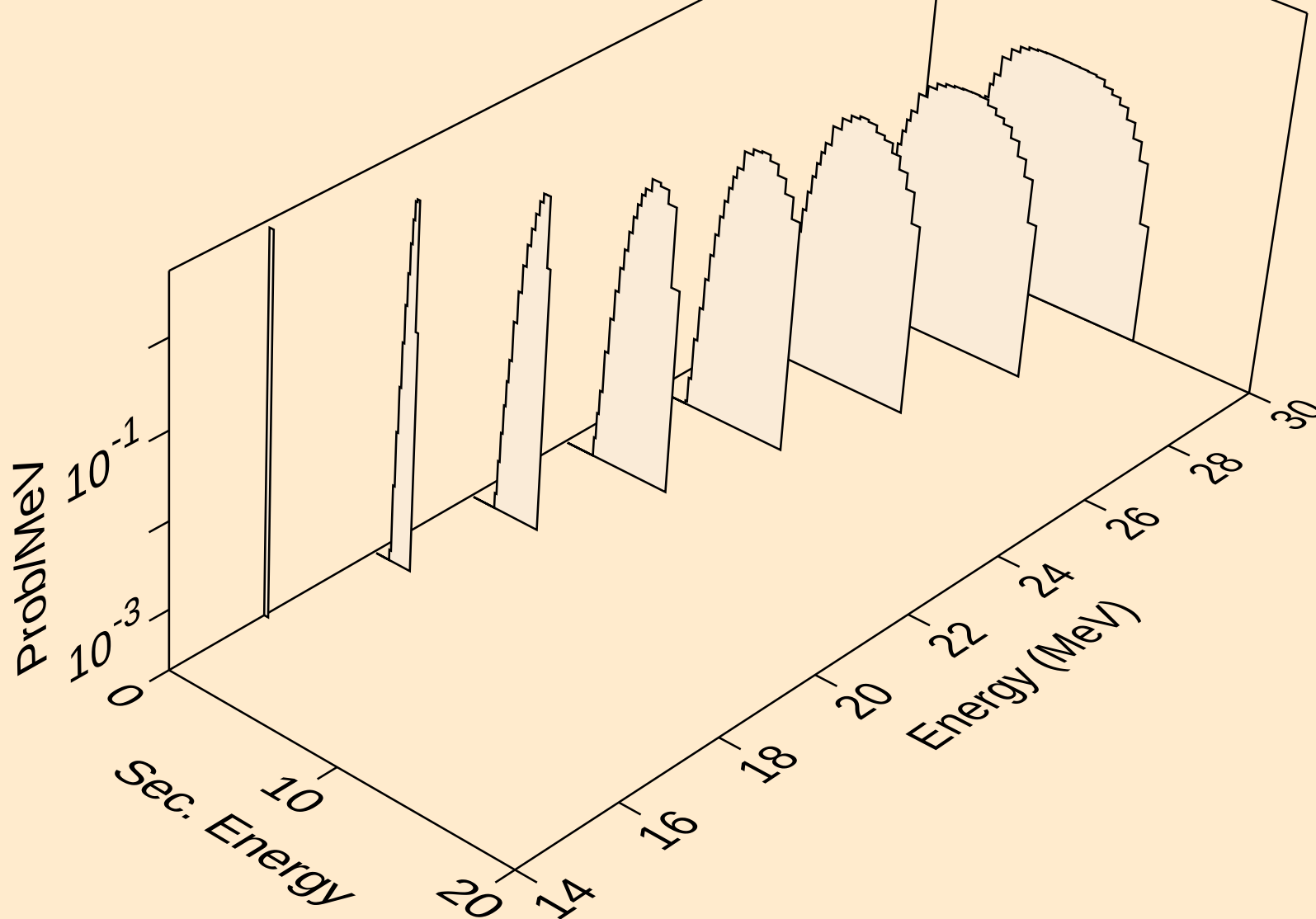
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deuterons from (a,x)



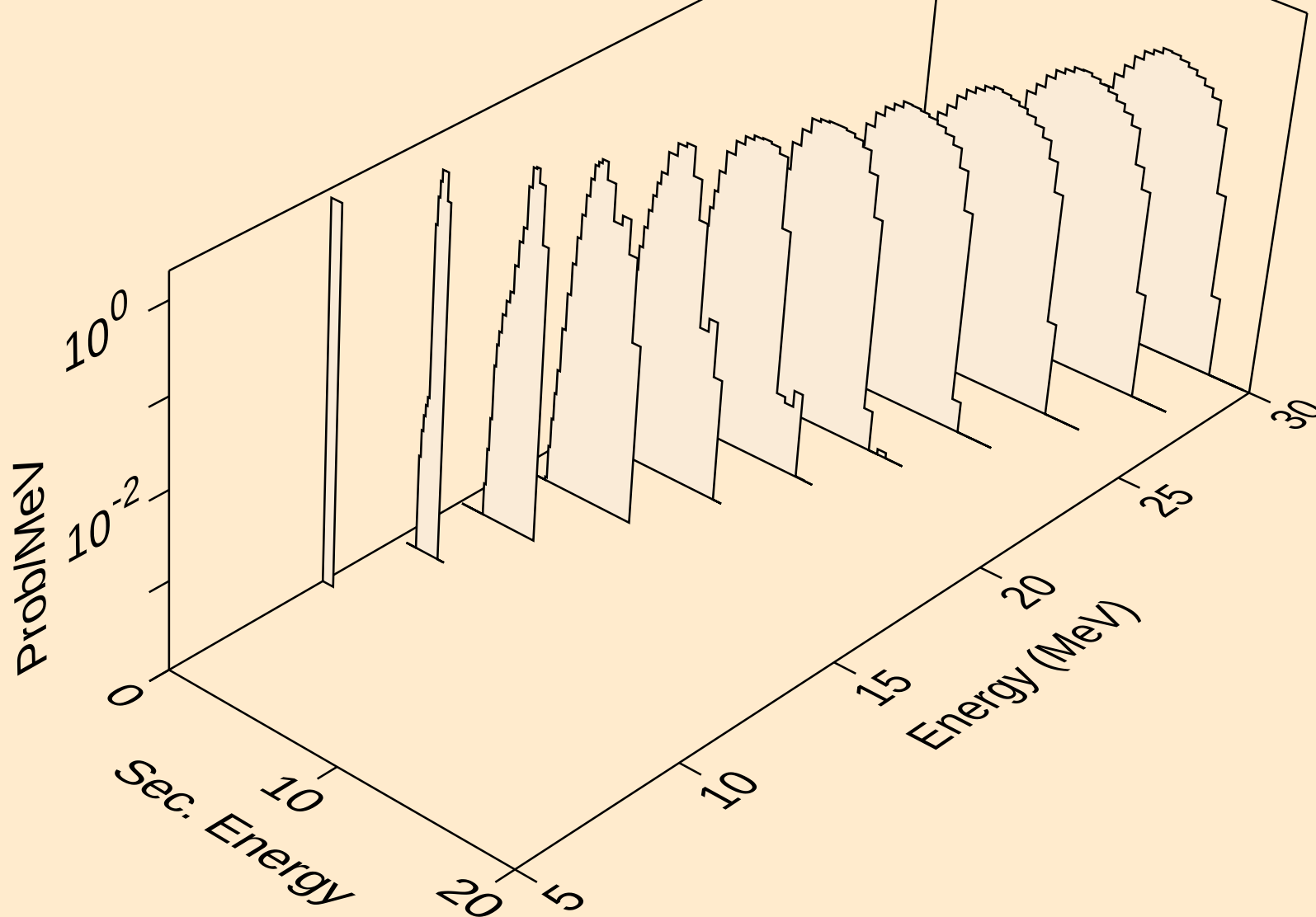
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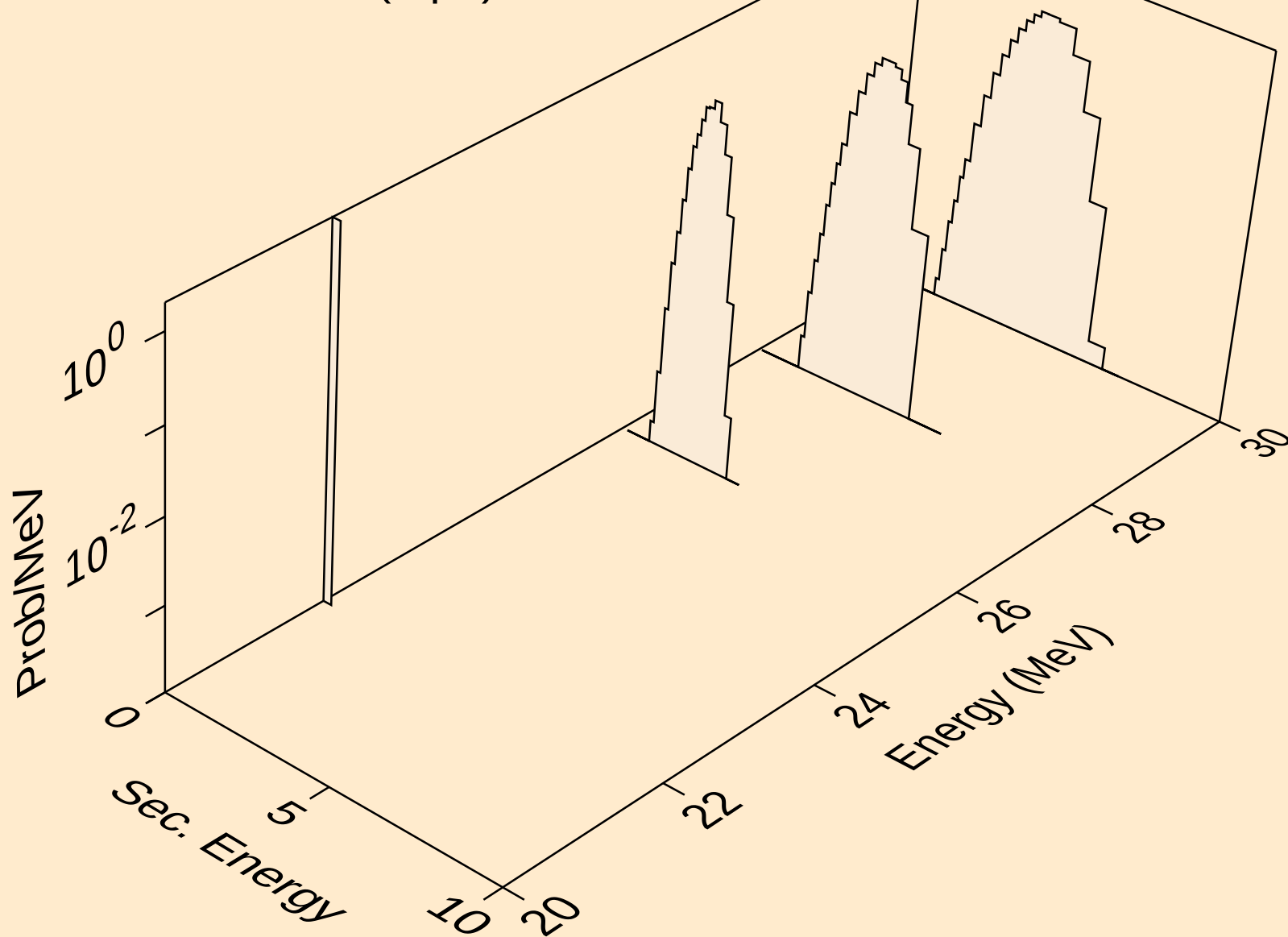
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deuterons from (a,n*)d



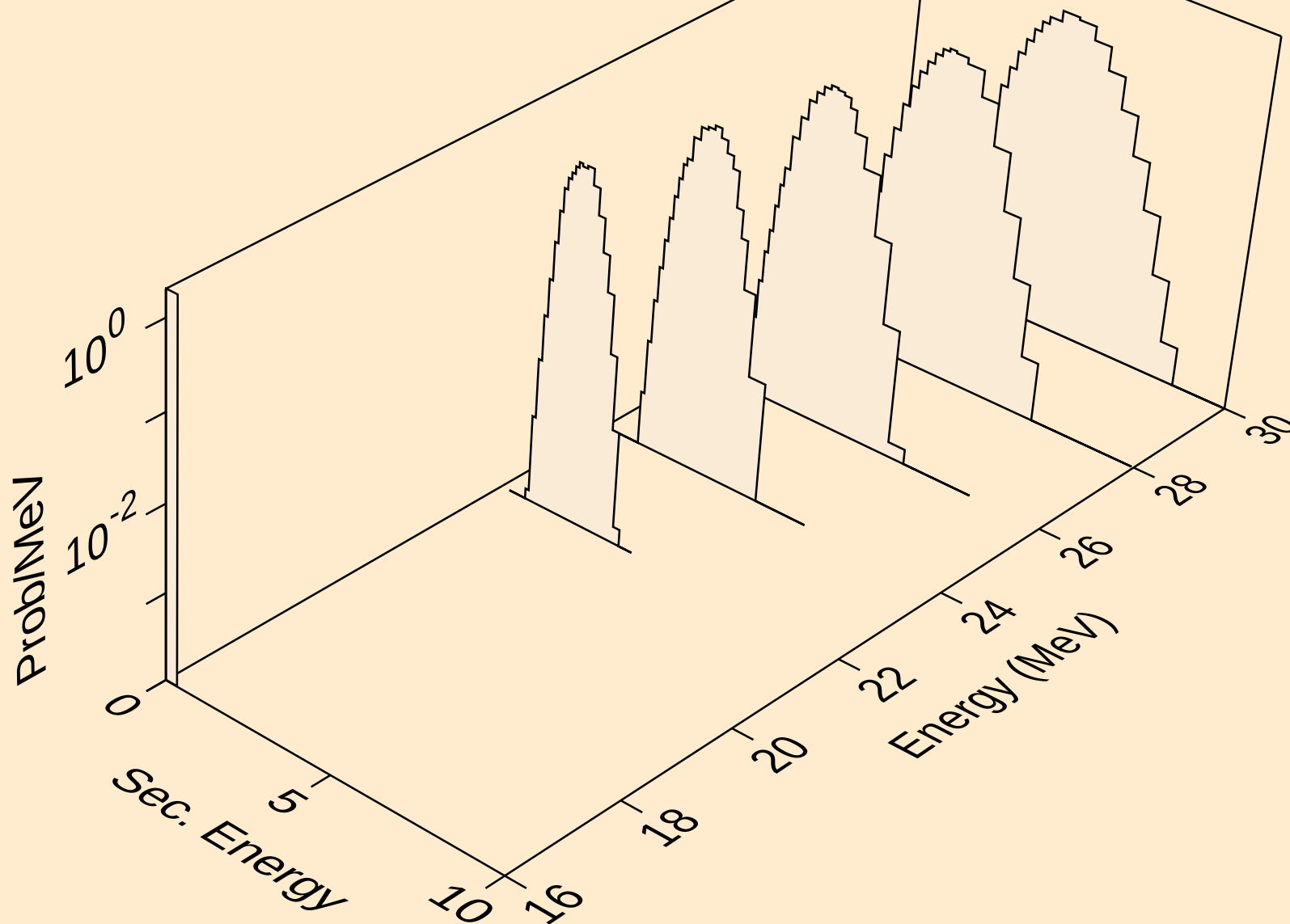
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deuterons from (a,d)



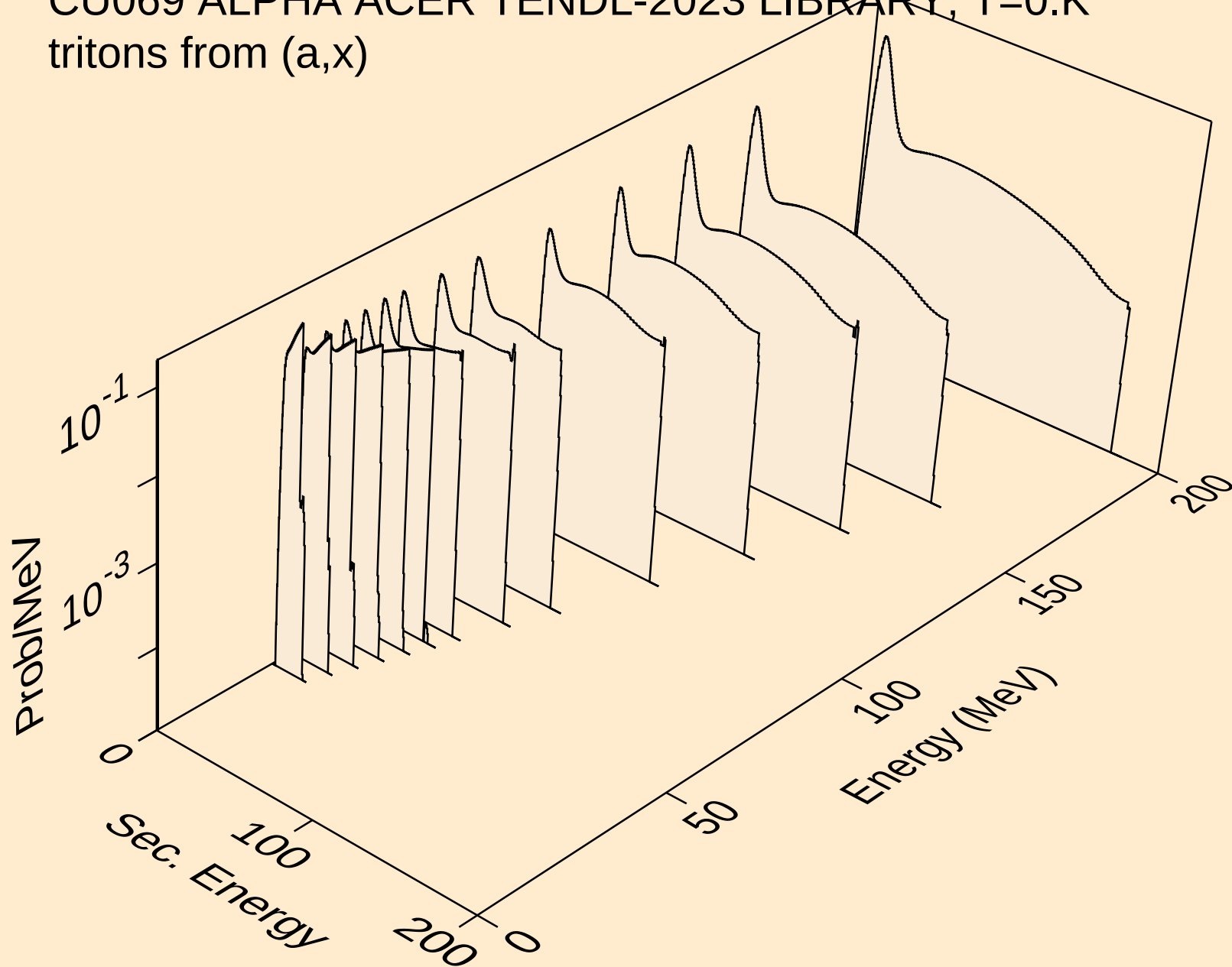
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deuterons from (a,pd)



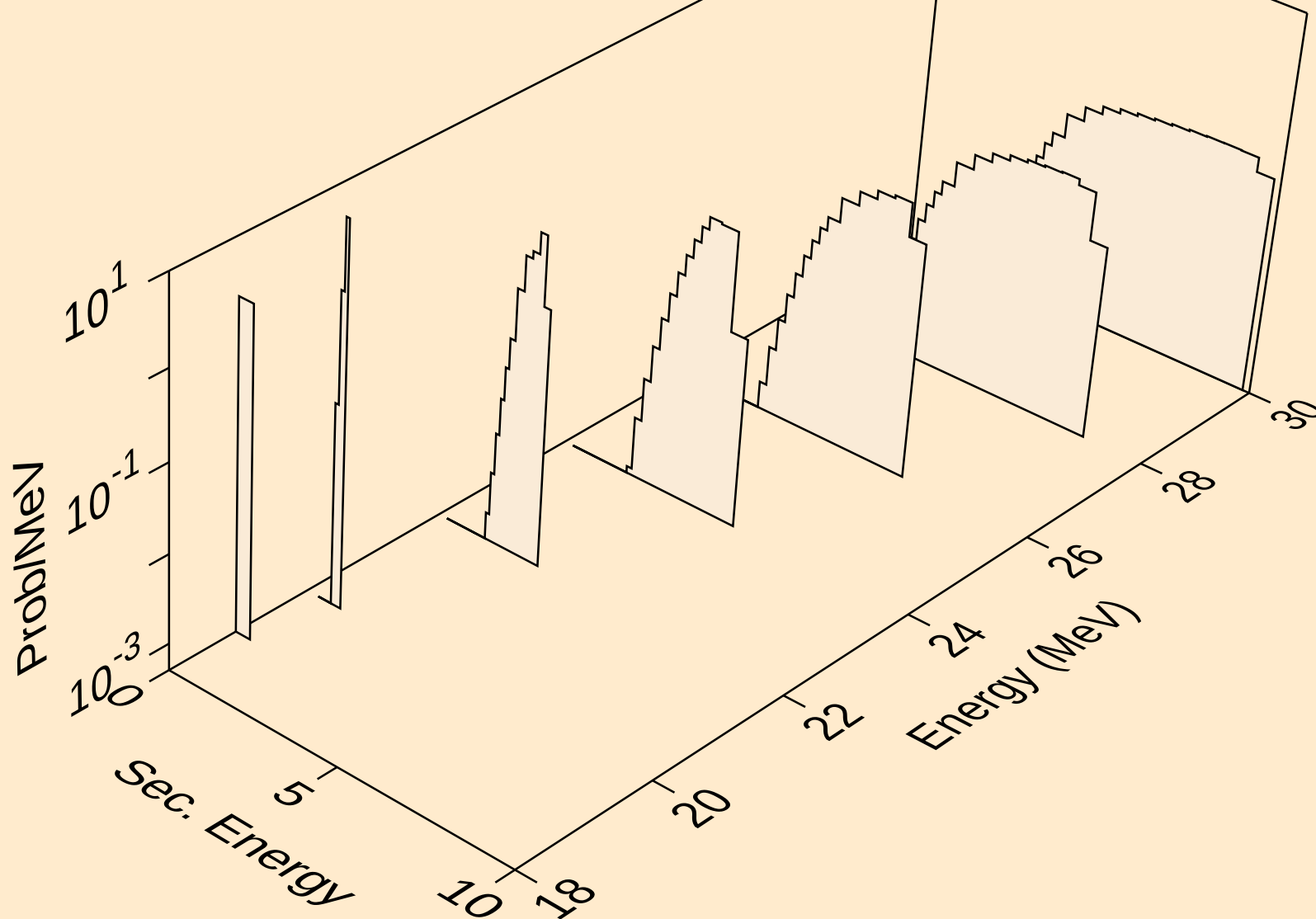
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deuterons from (a,da)



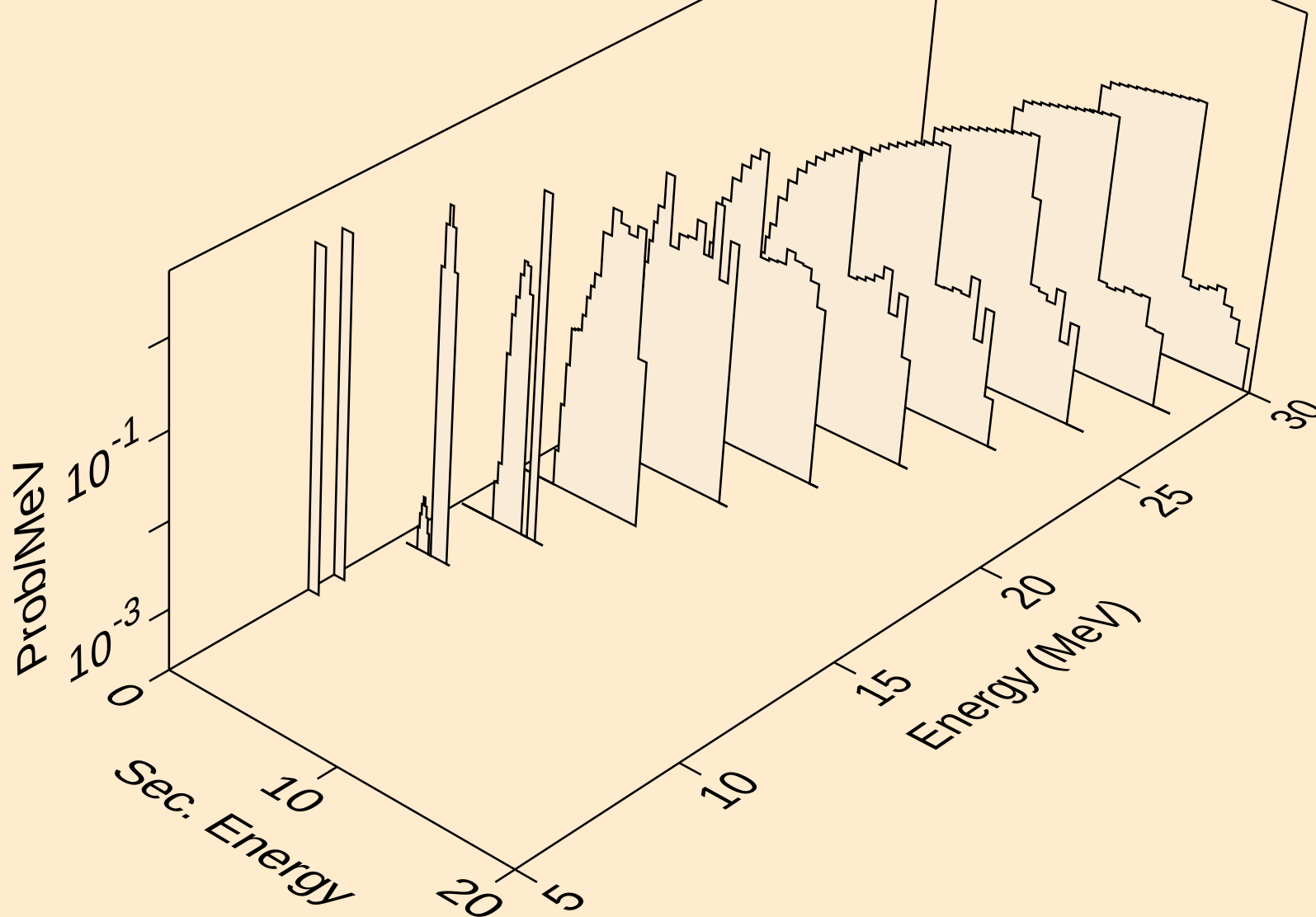
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tritons from (a,x)



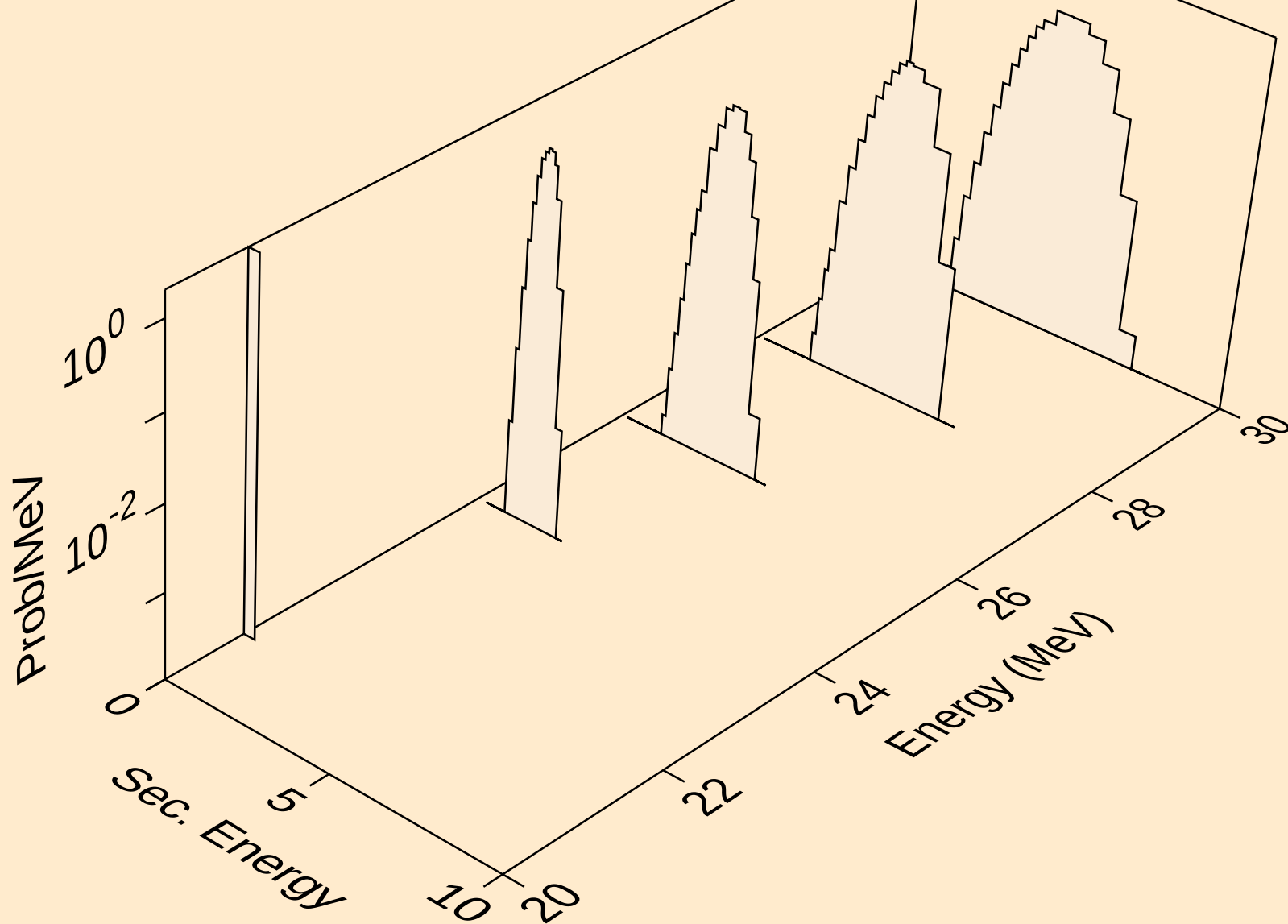
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tritons from (a,n*)t



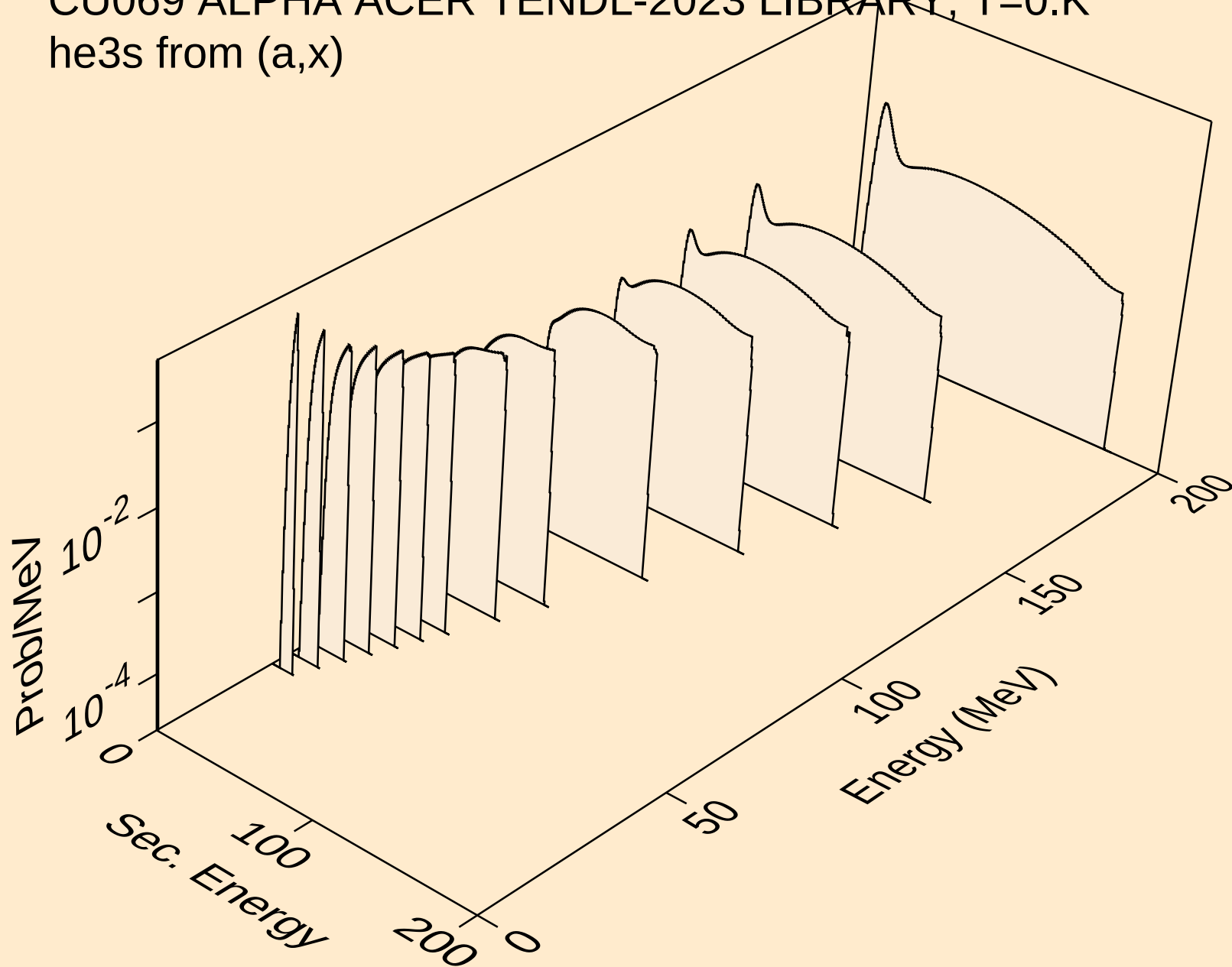
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tritons from (a,t)



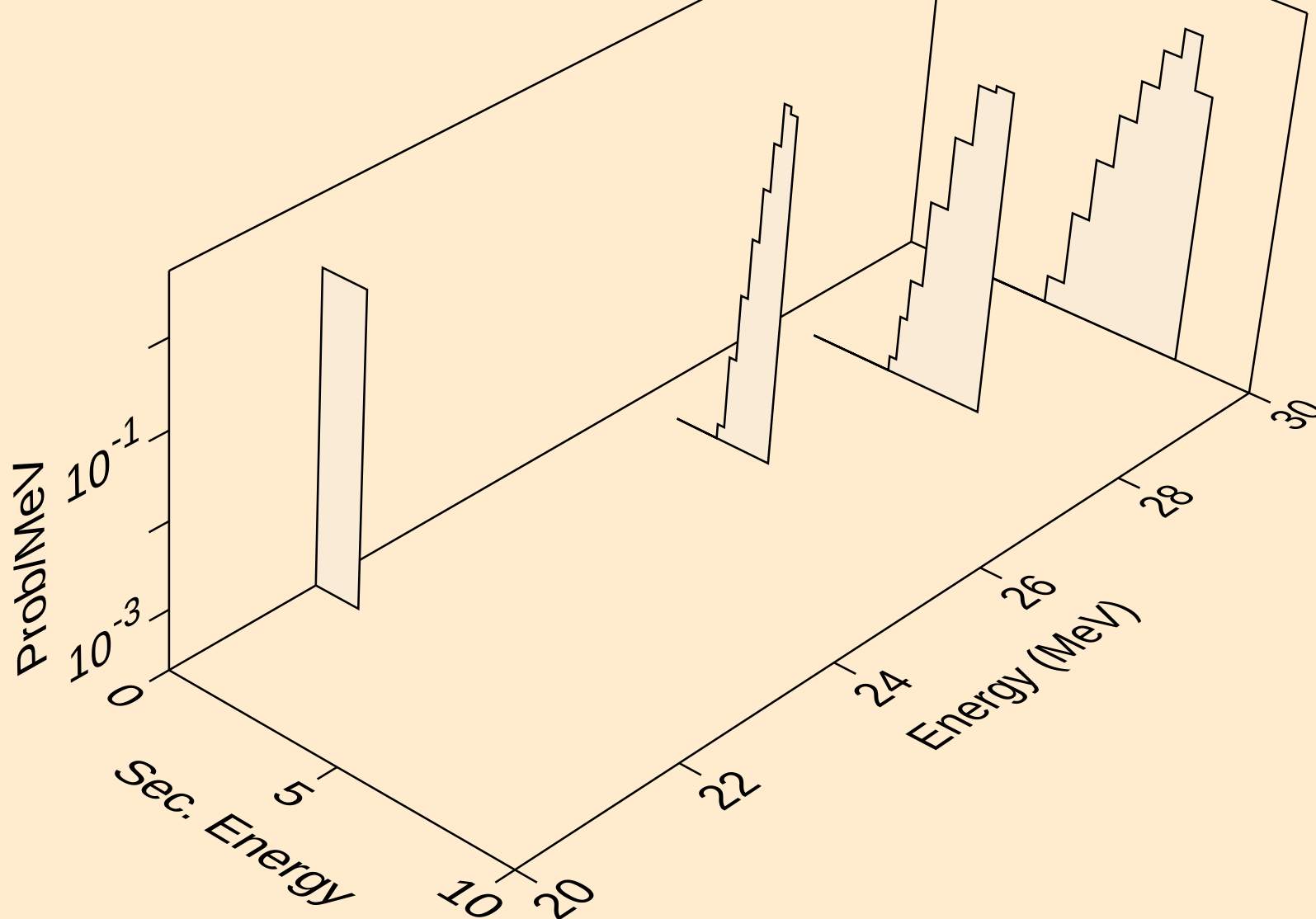
CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,pt)



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,n*)he3



CU069 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

