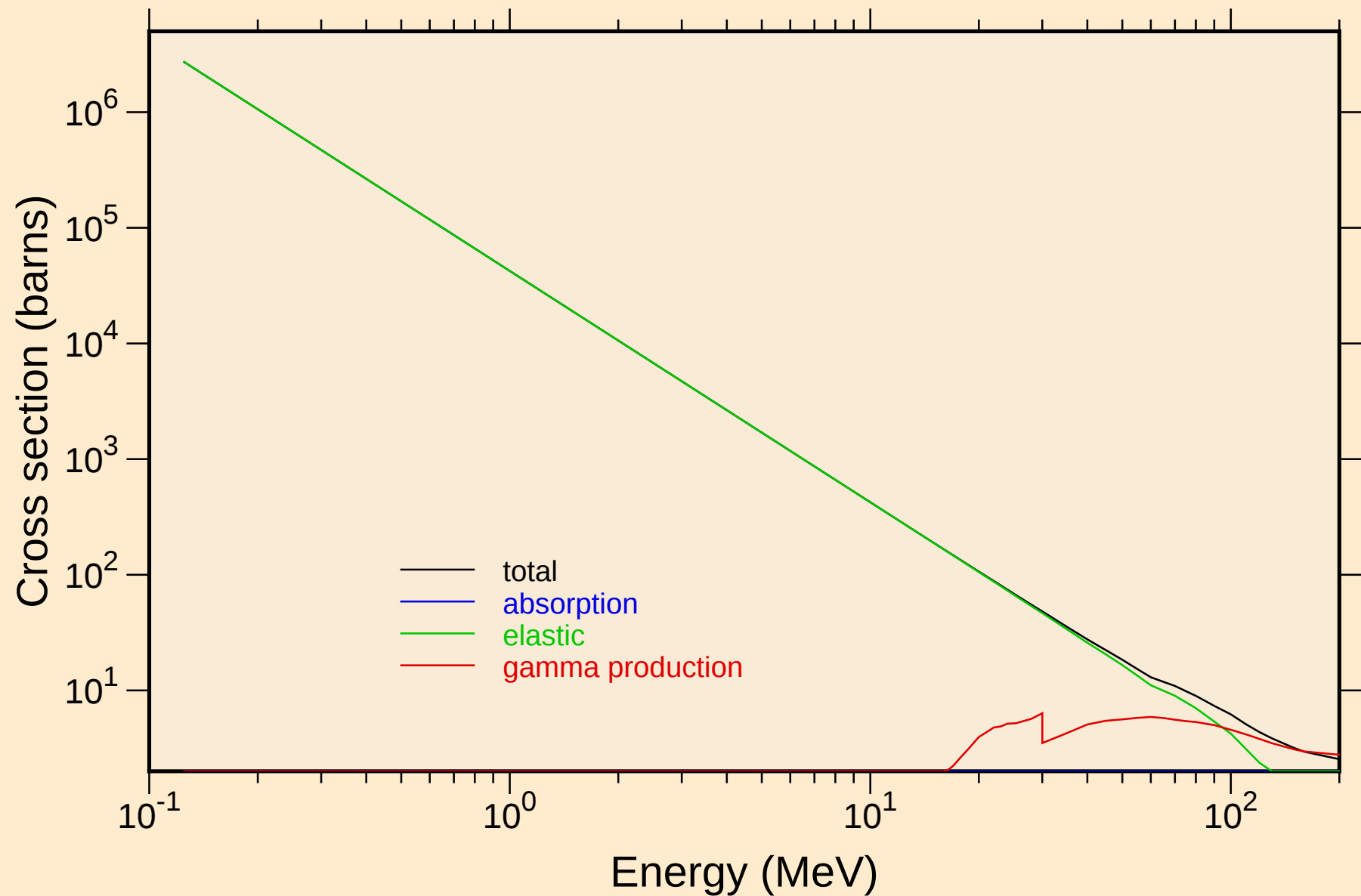


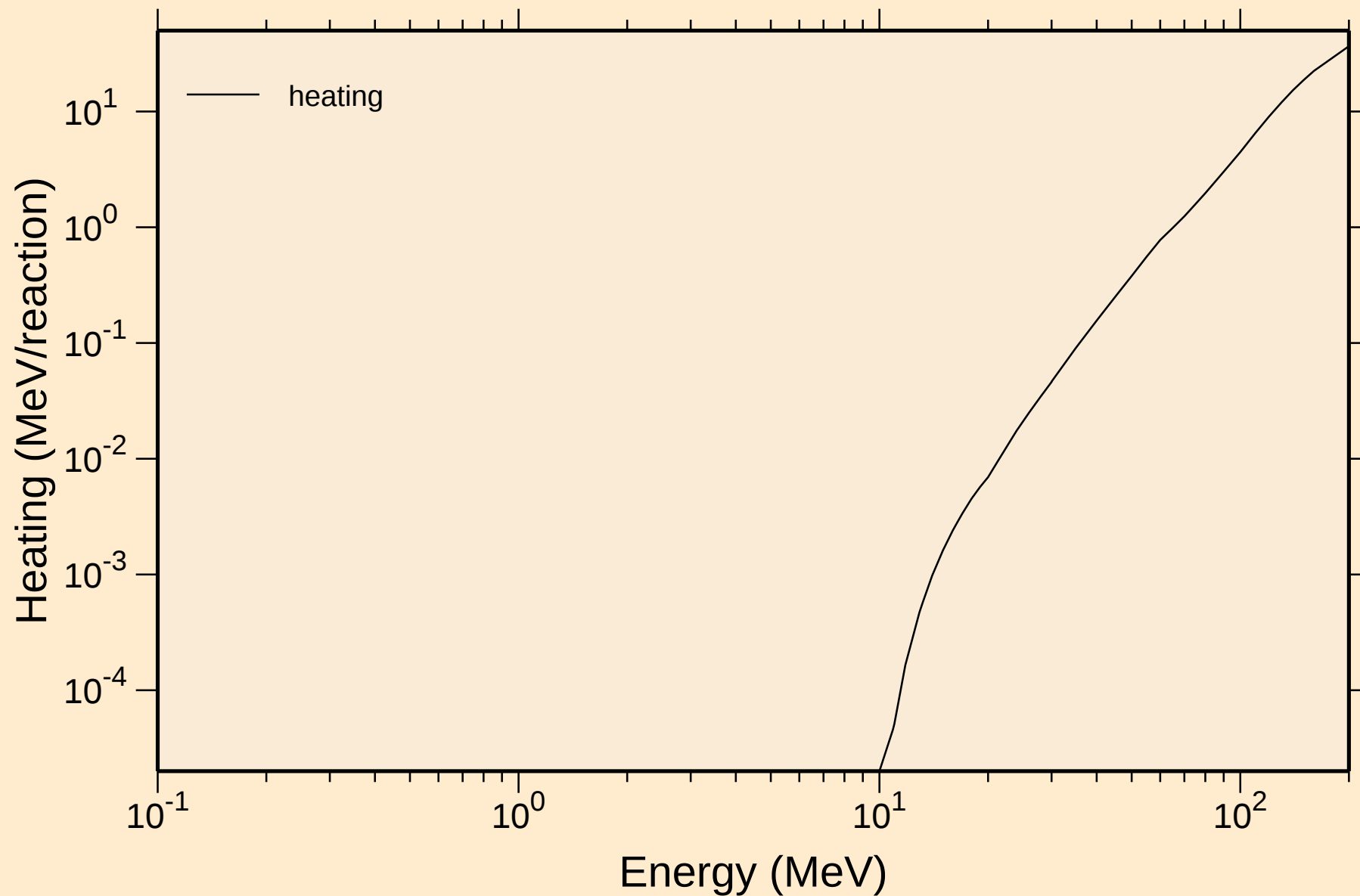
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



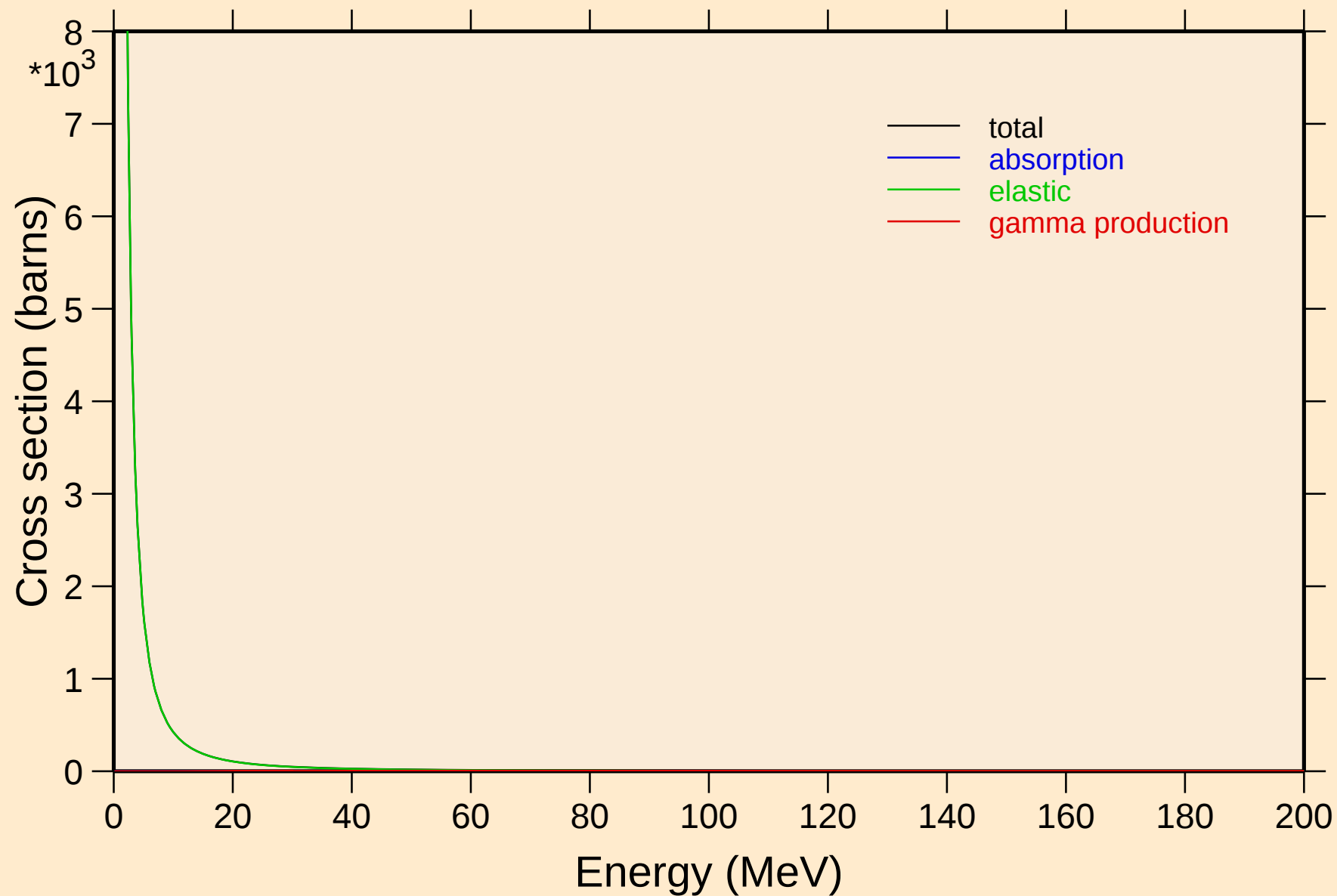
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



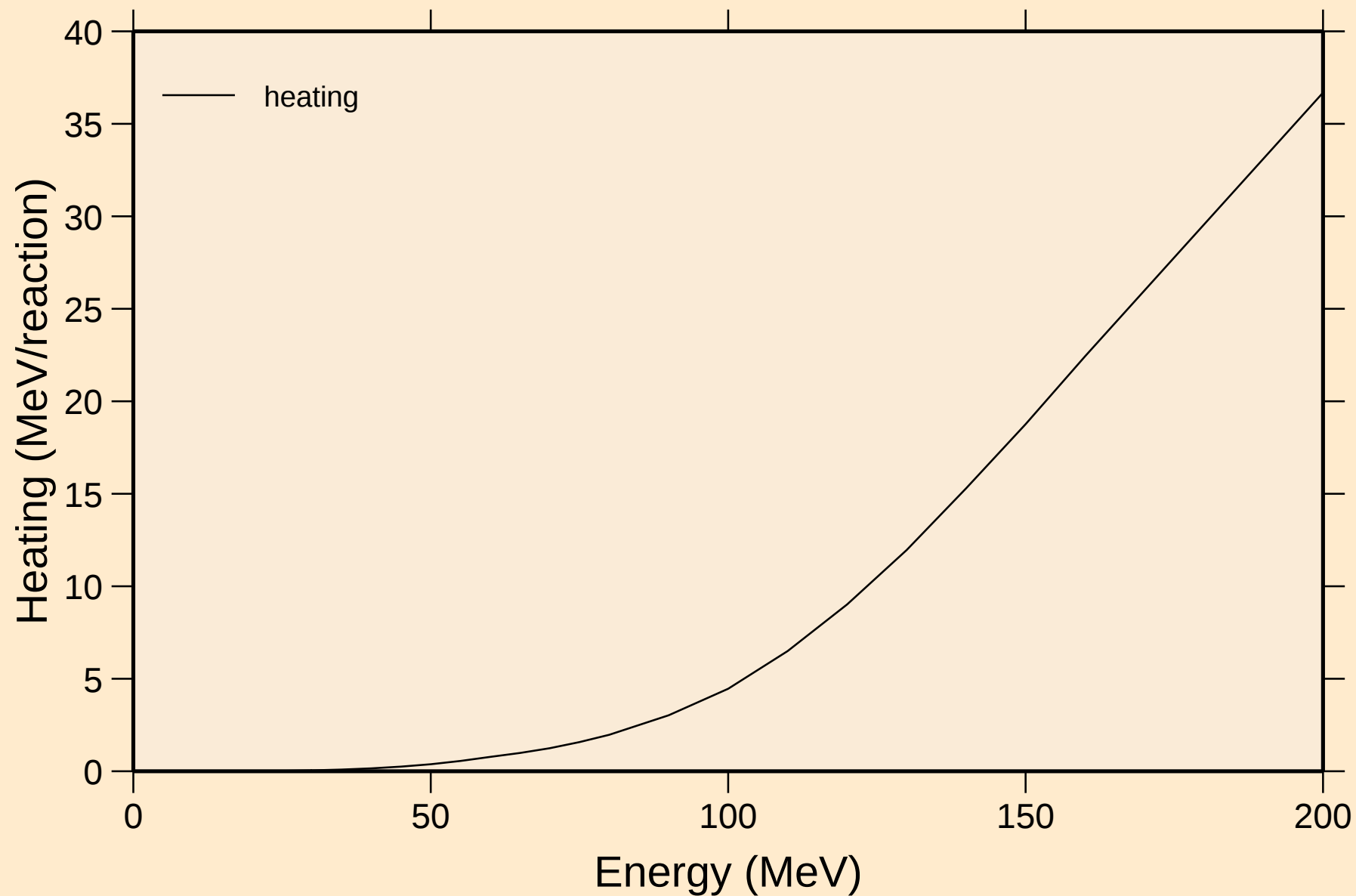
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



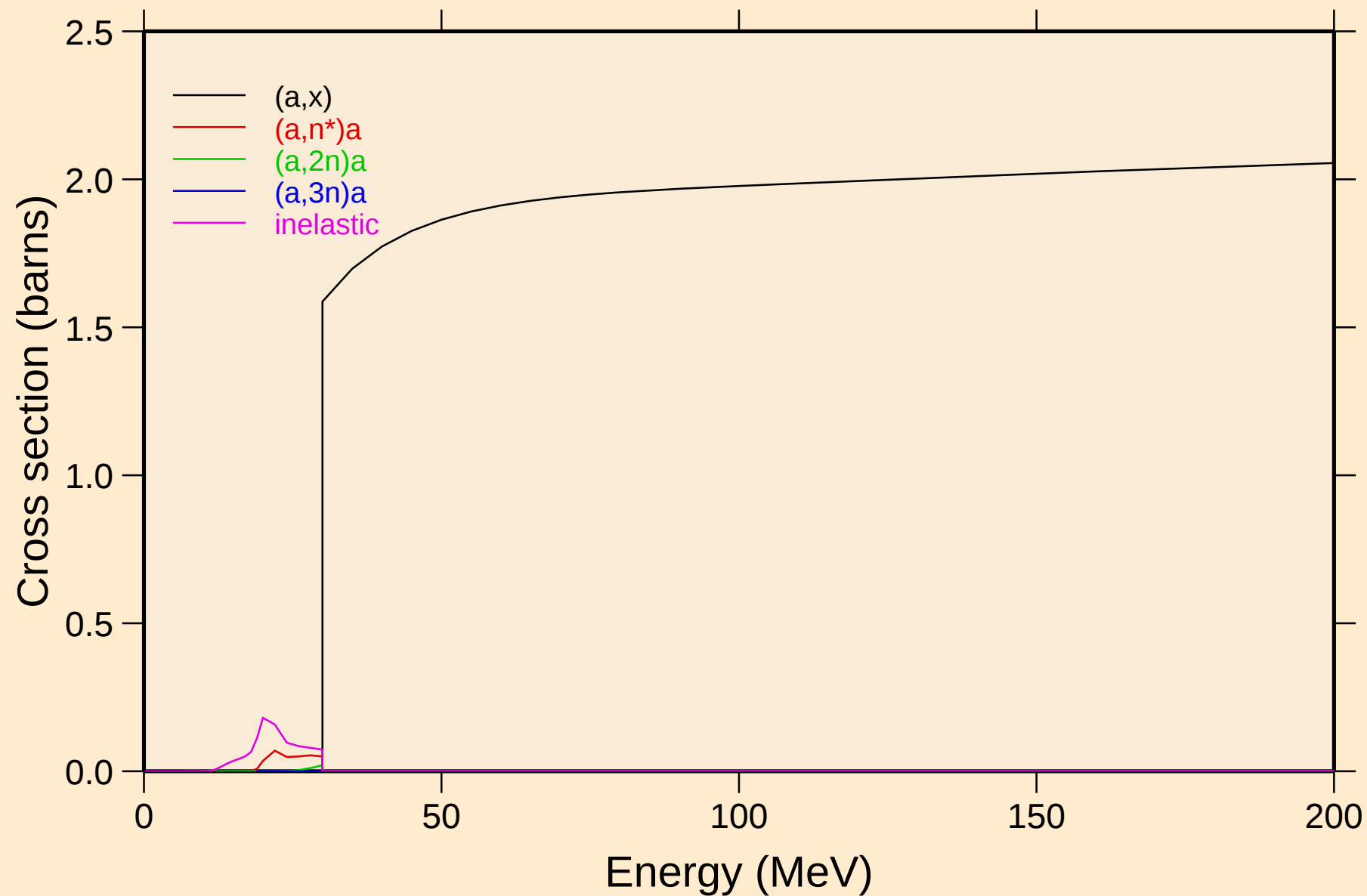
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Heating

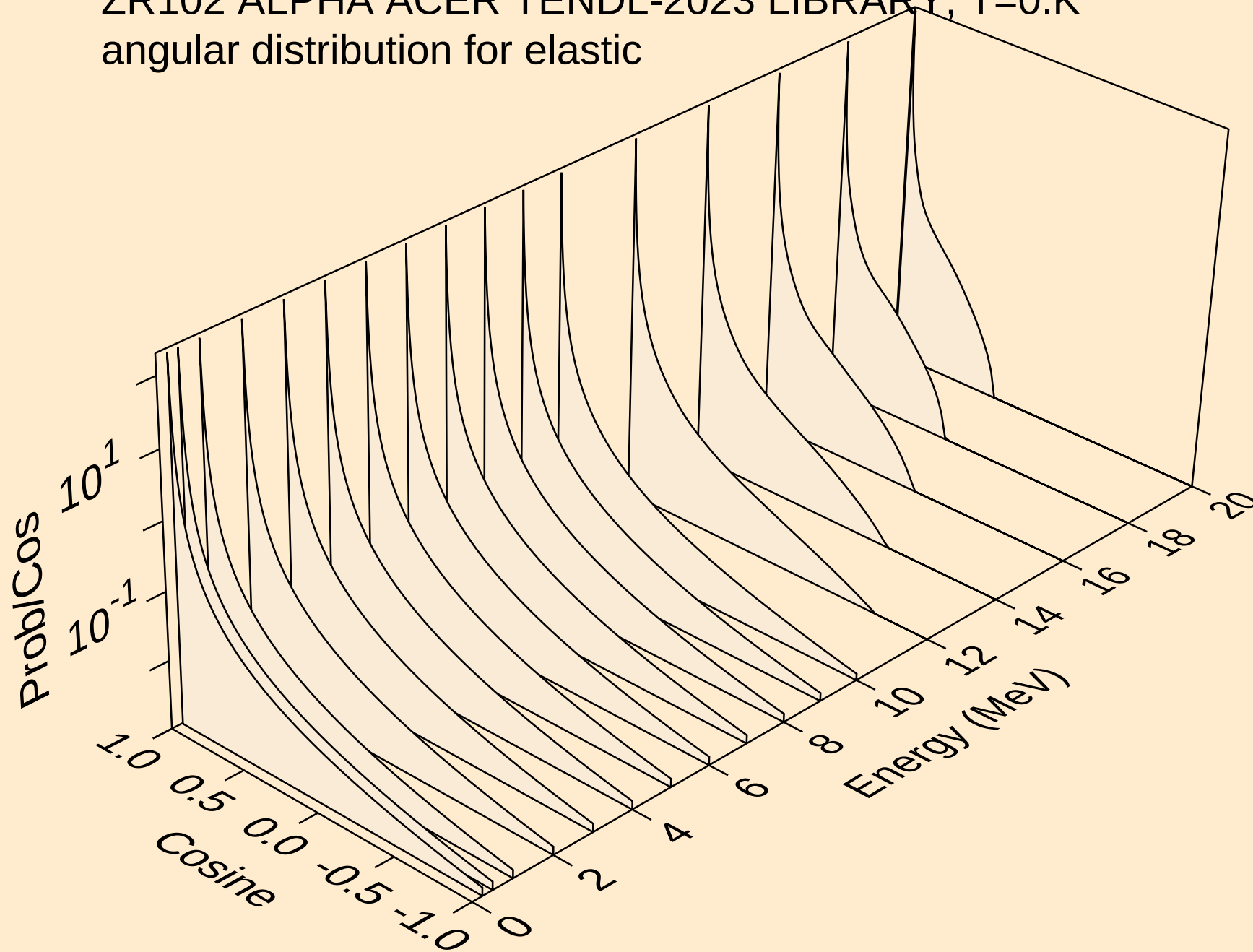


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

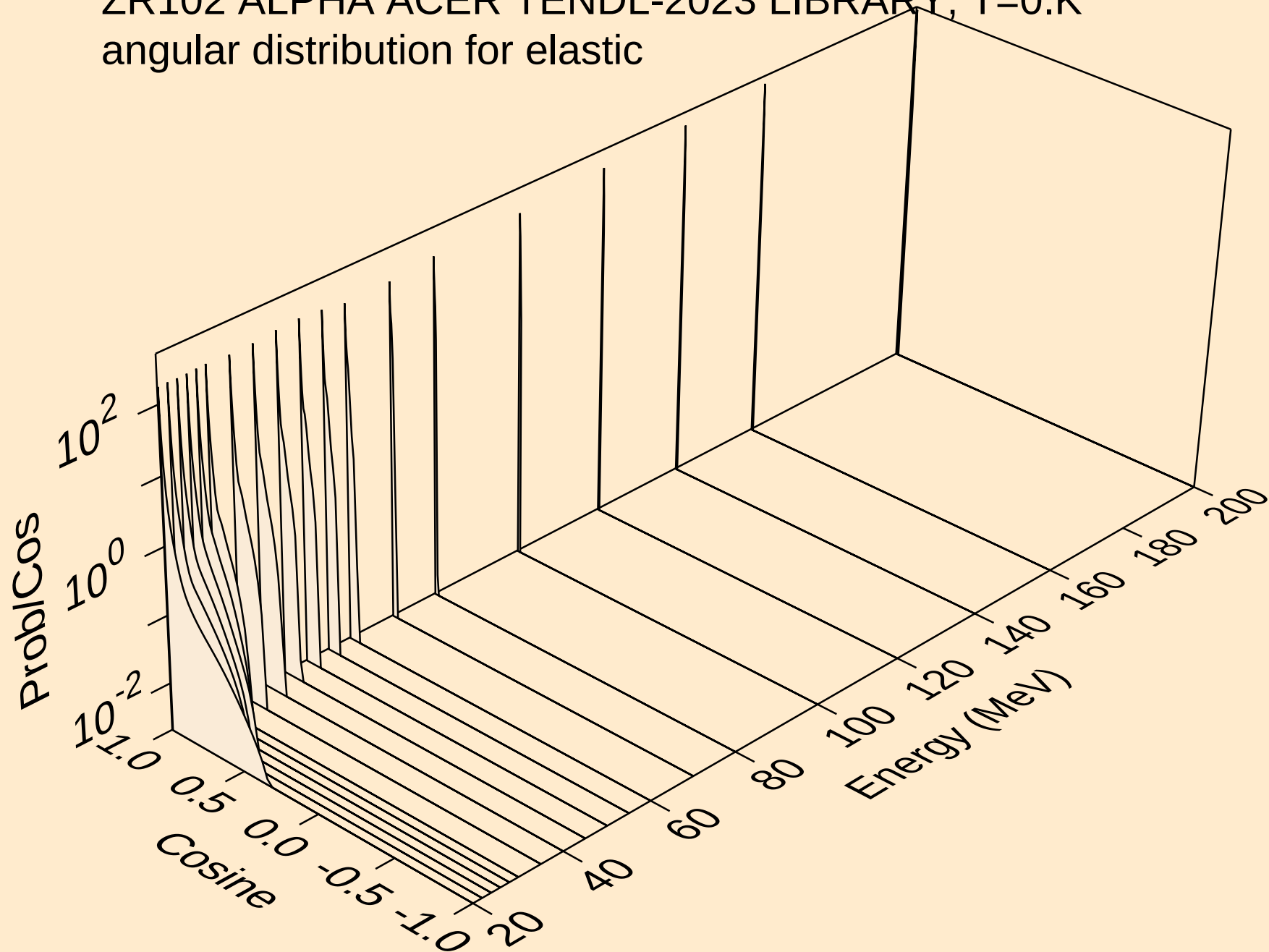
Threshold reactions



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

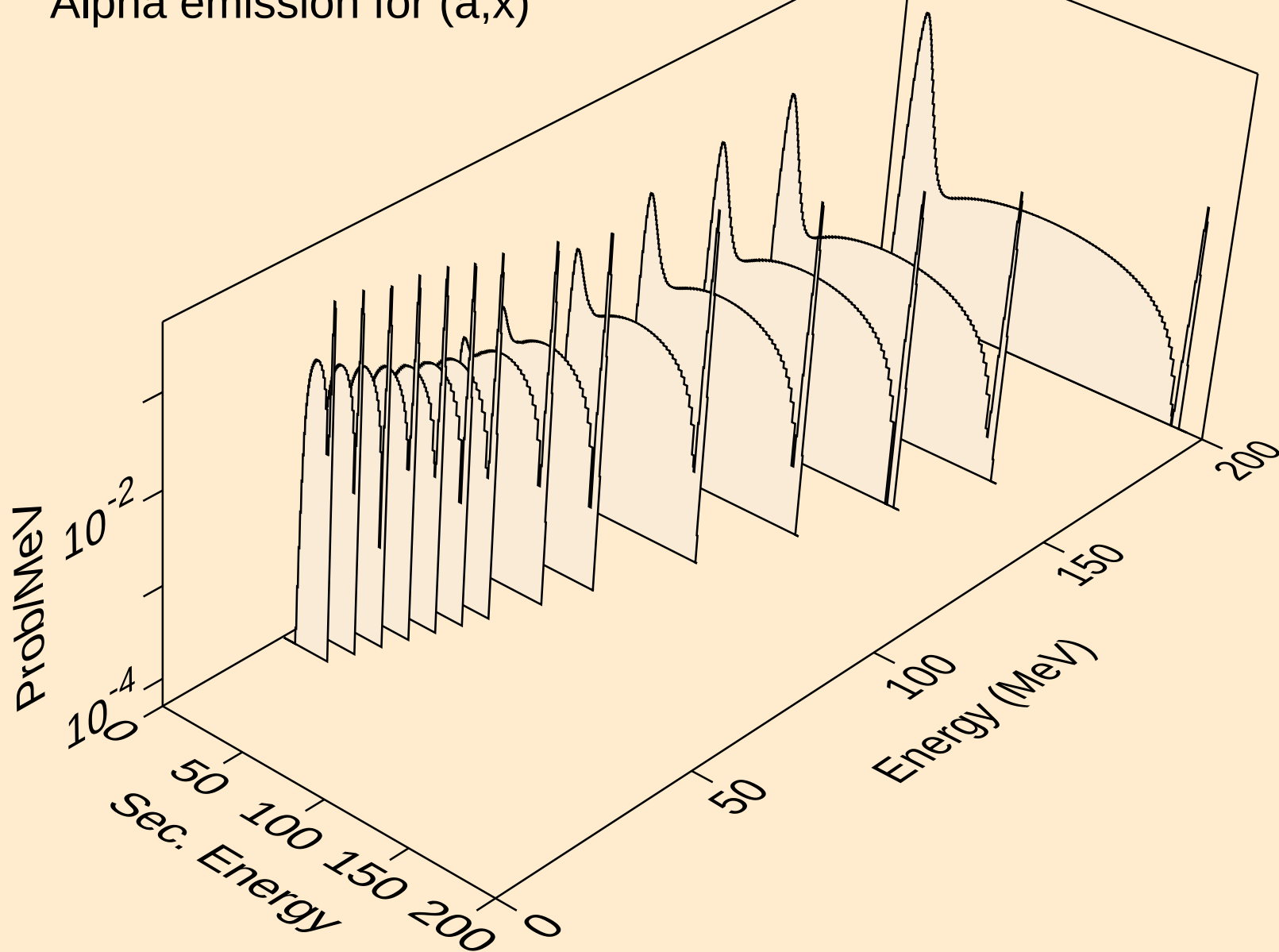


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



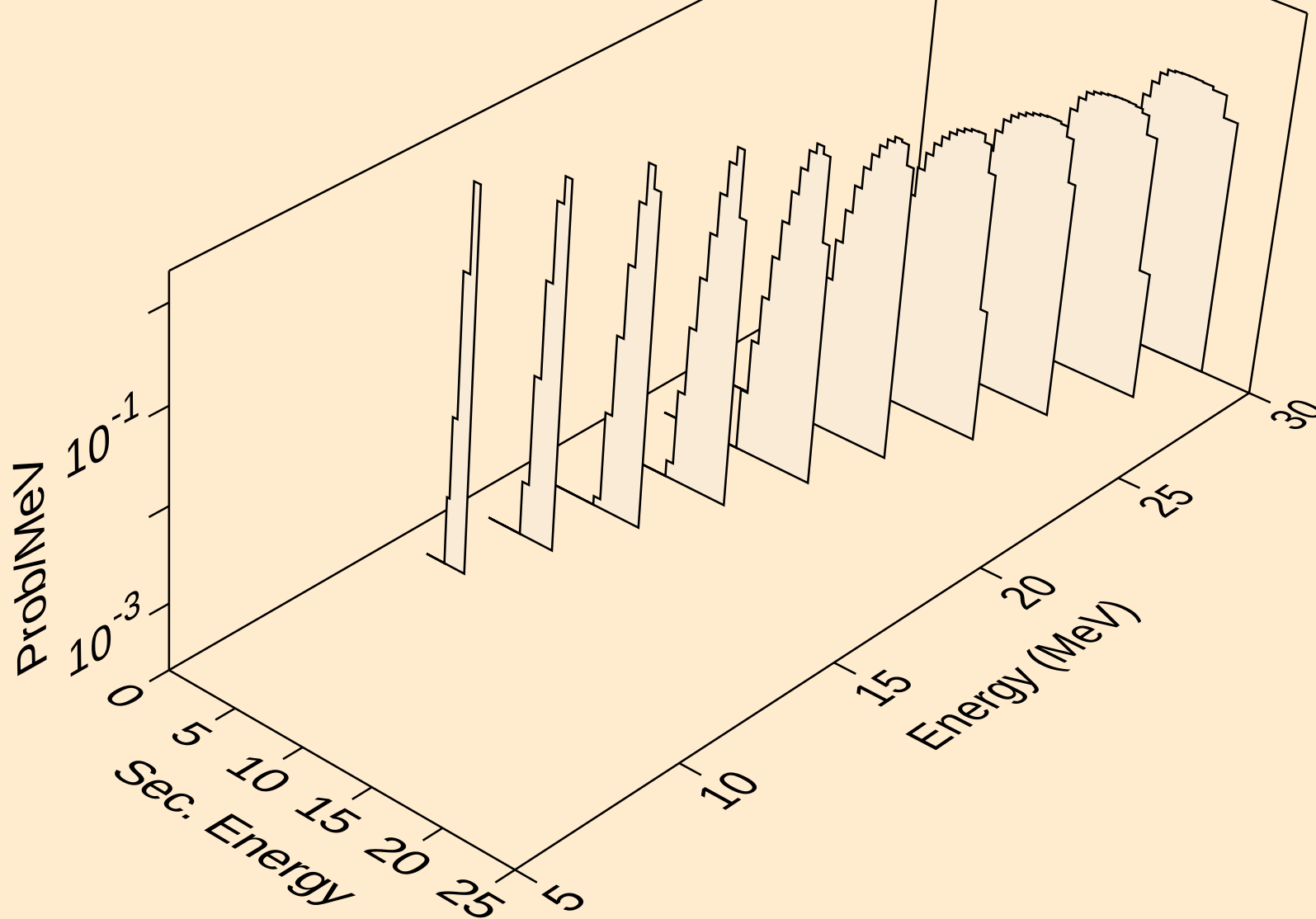
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



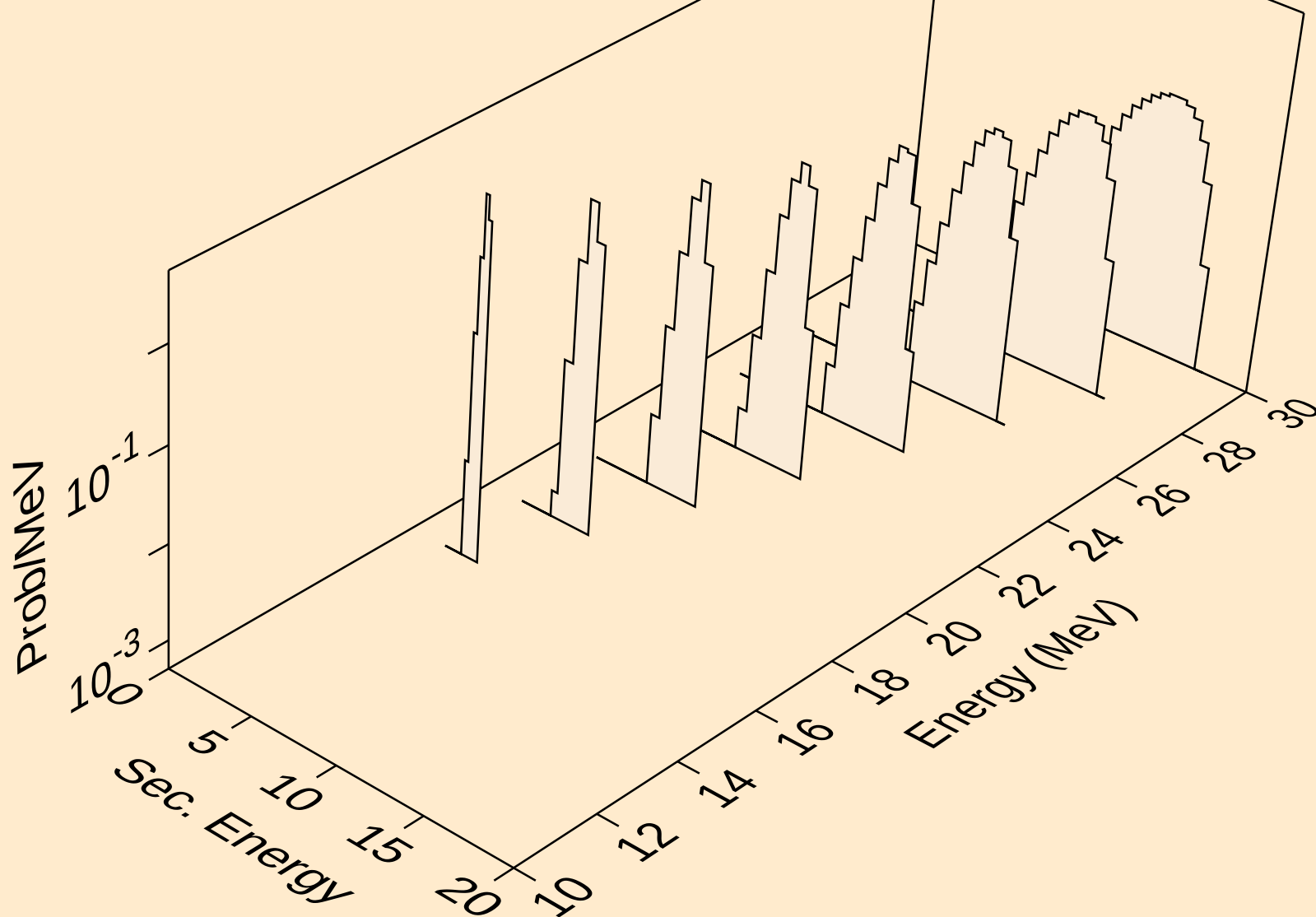
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a



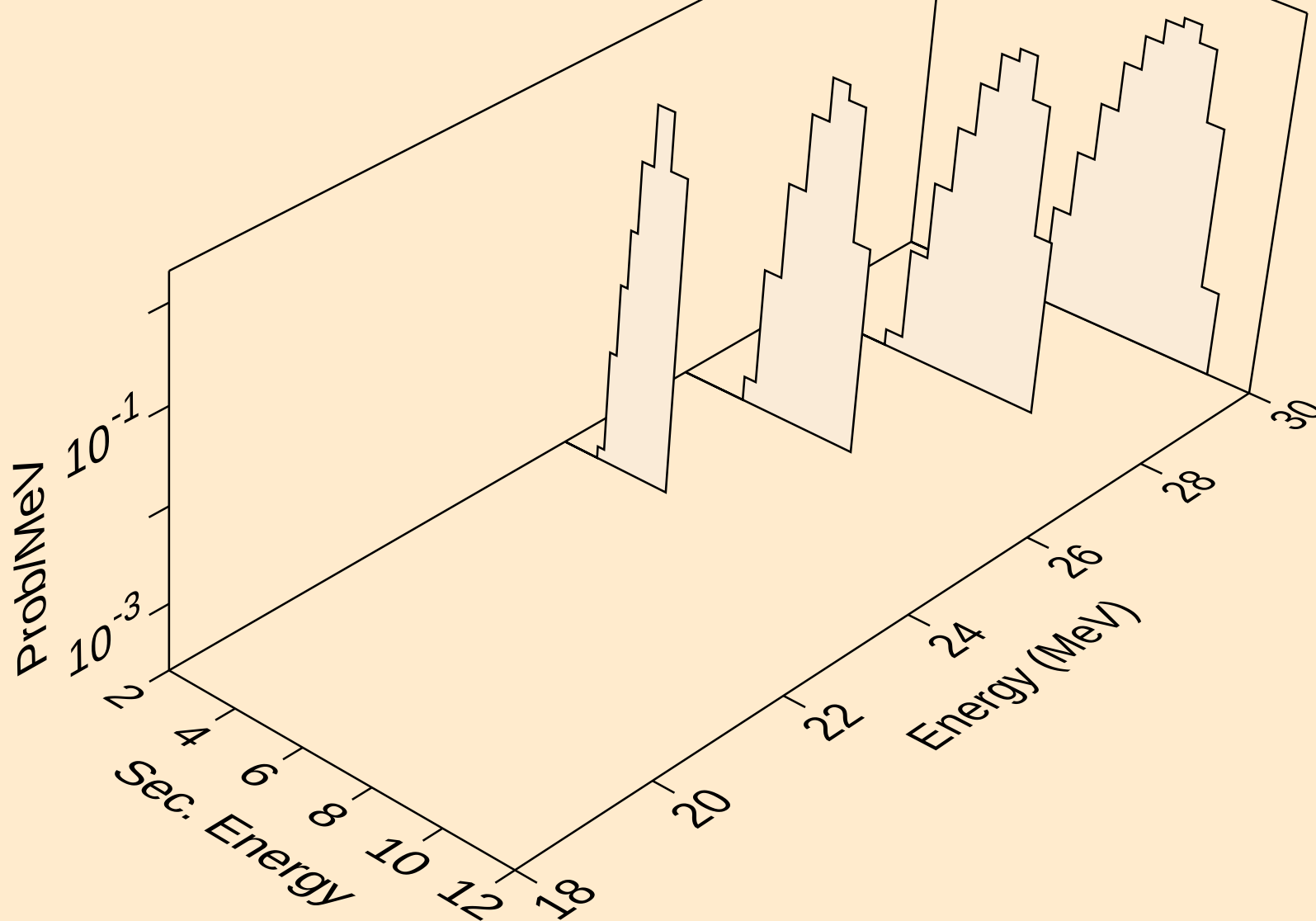
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



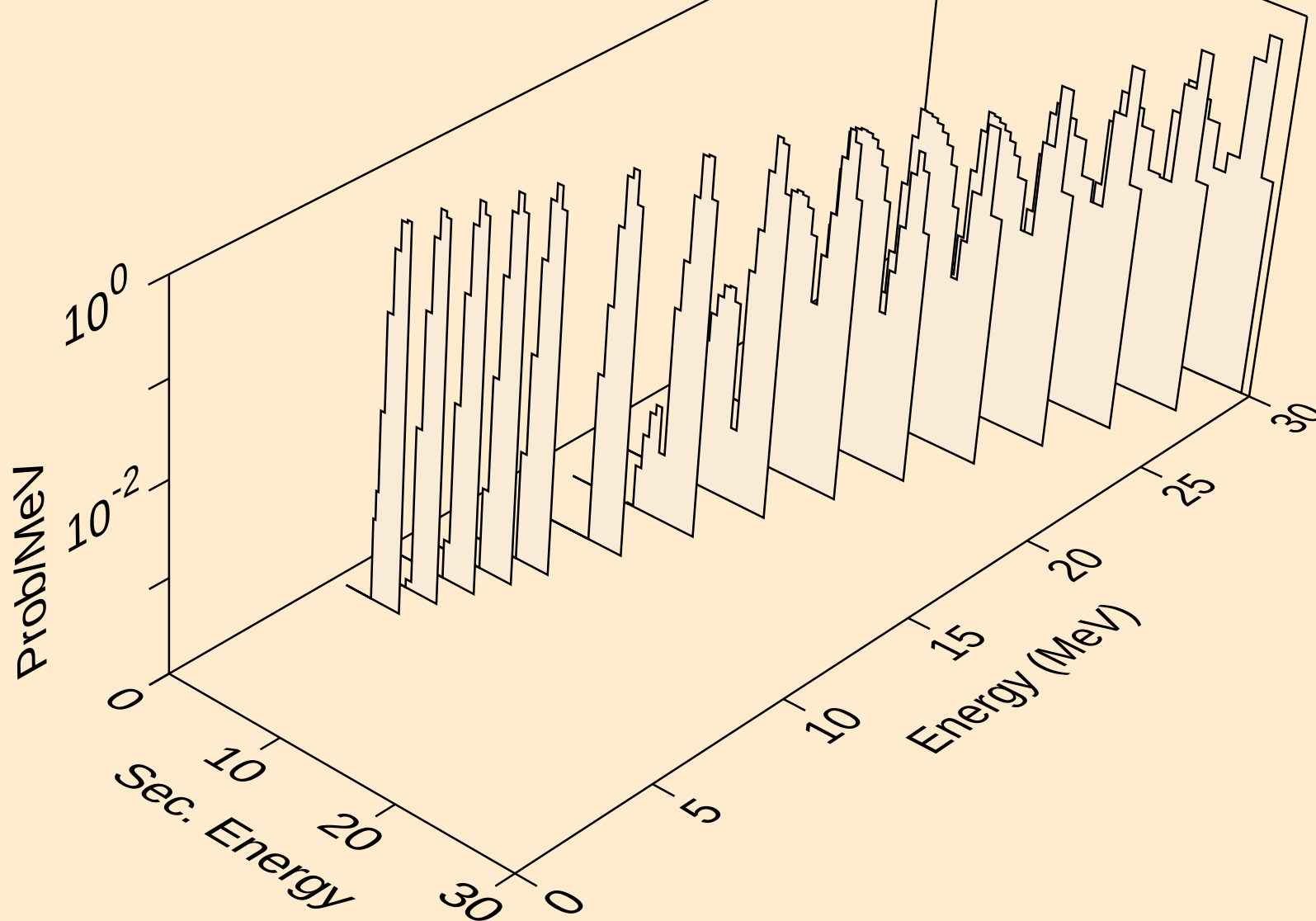
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3n)a

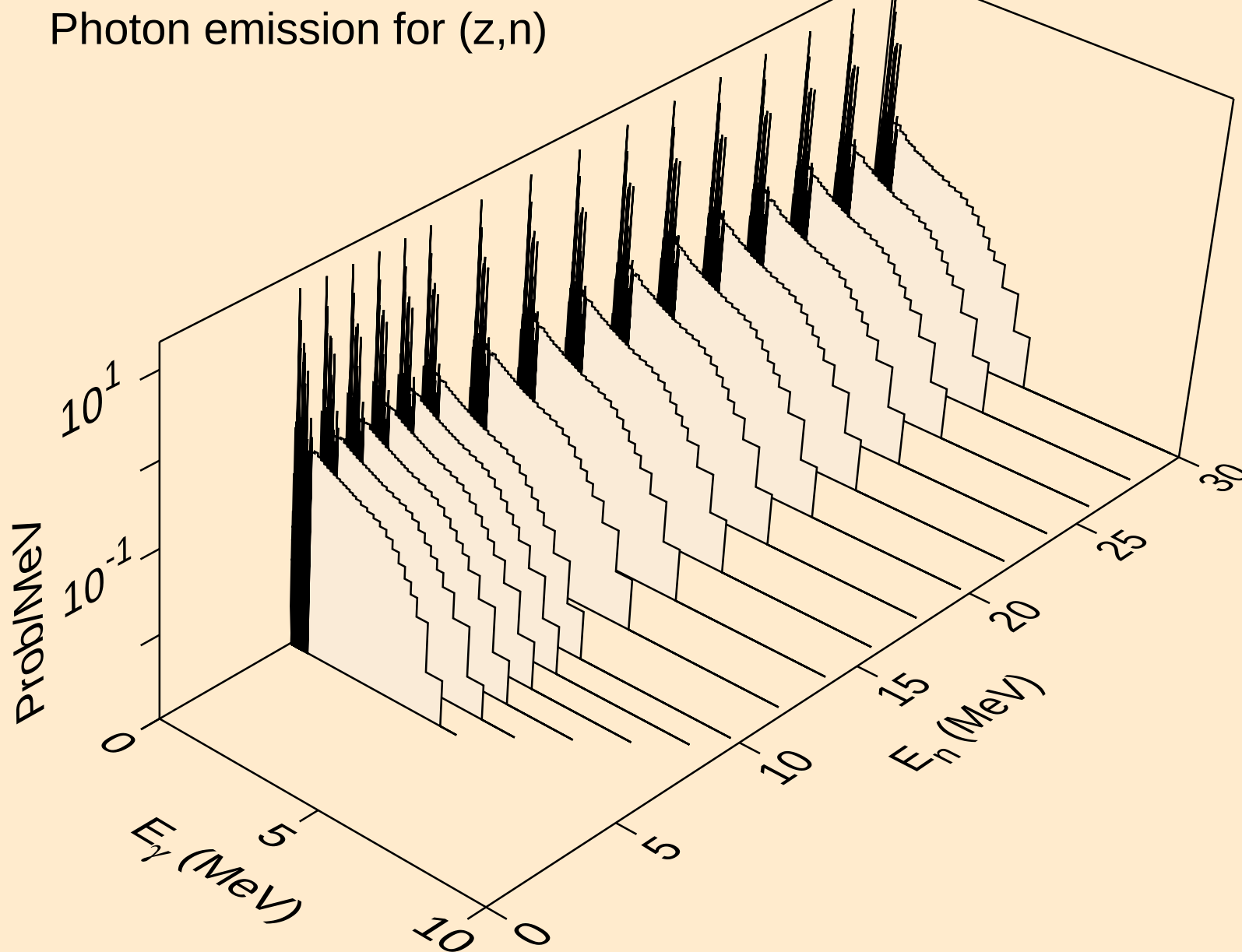


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic

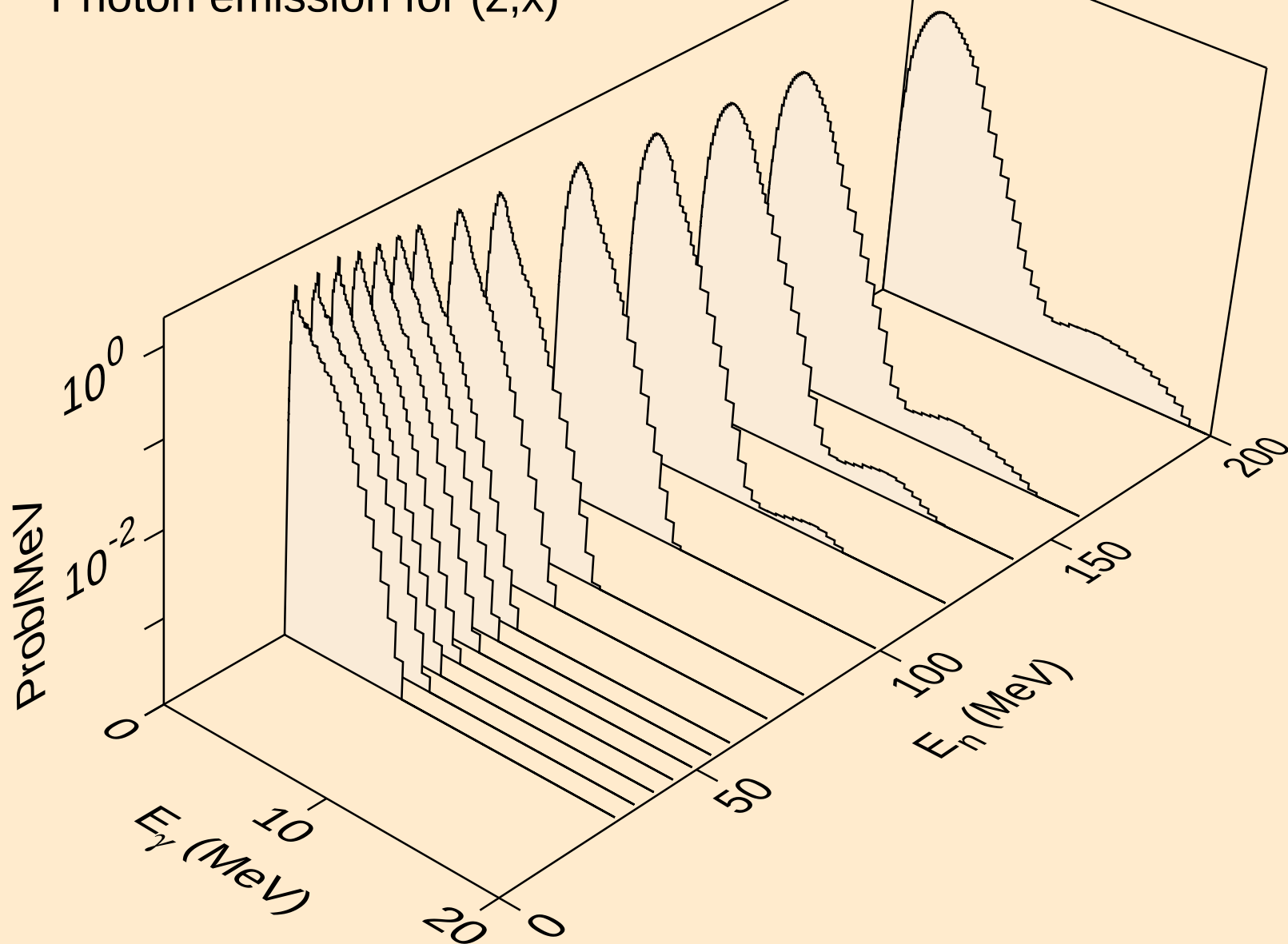


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

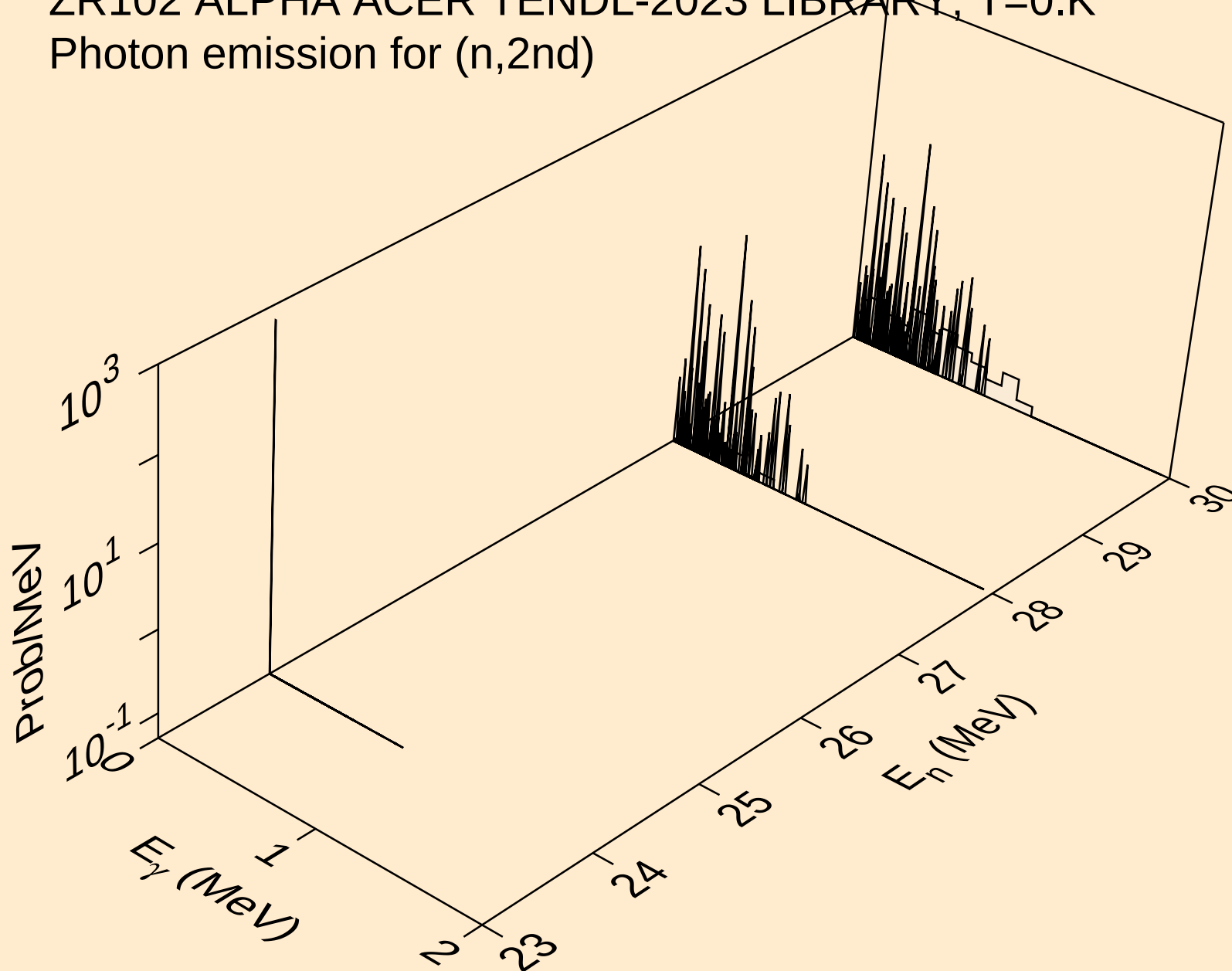


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

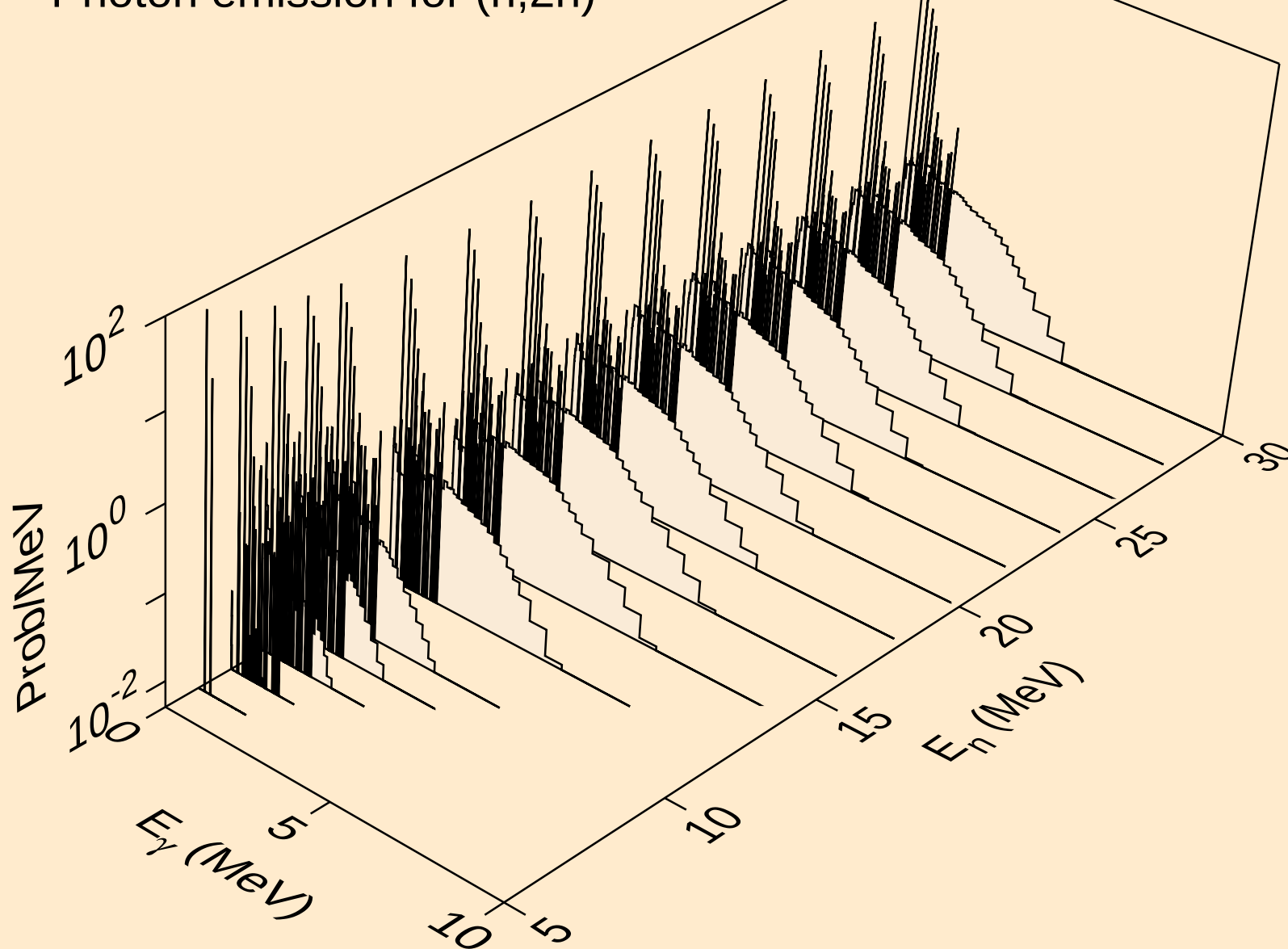
Photon emission for (z,x)



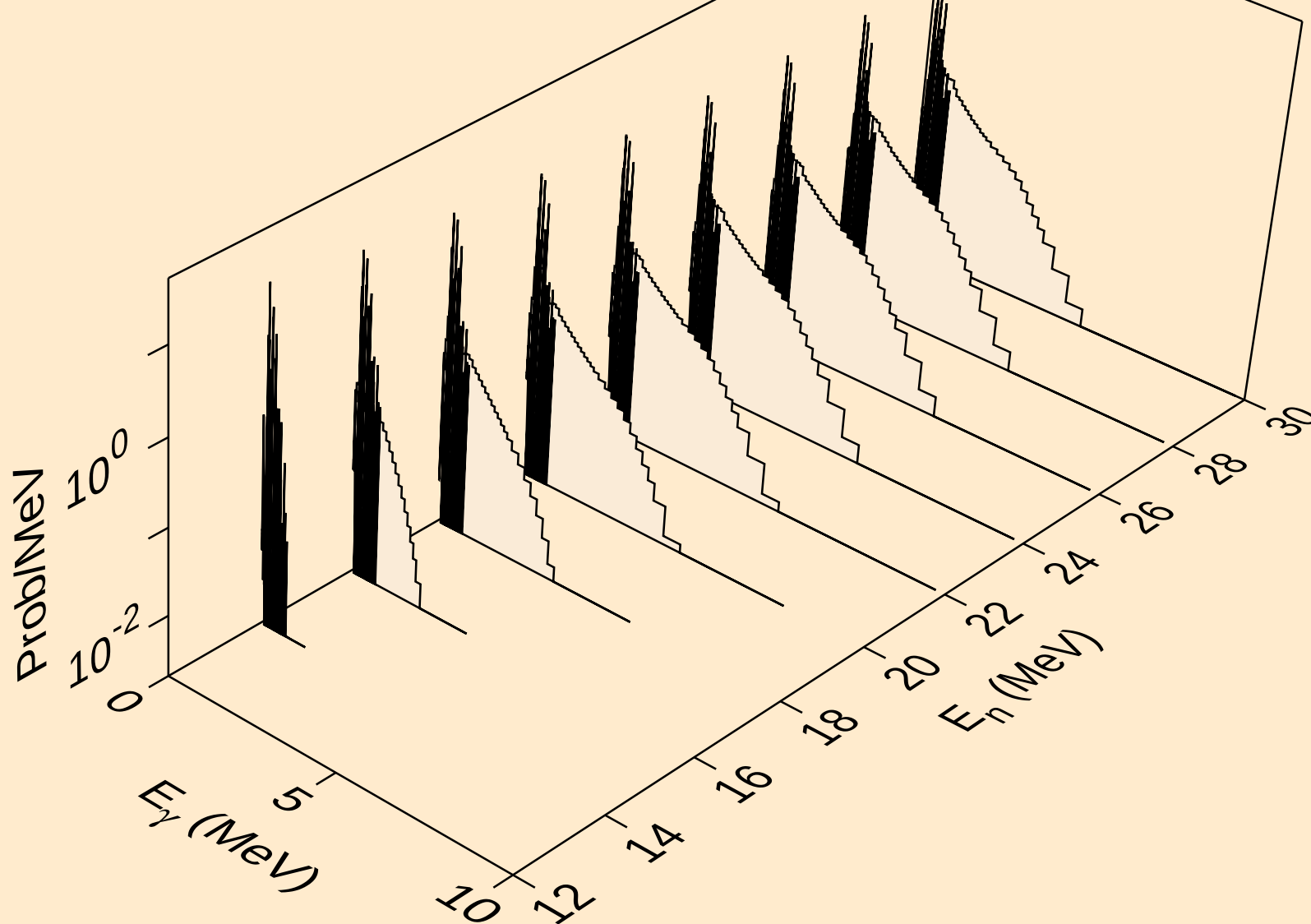
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

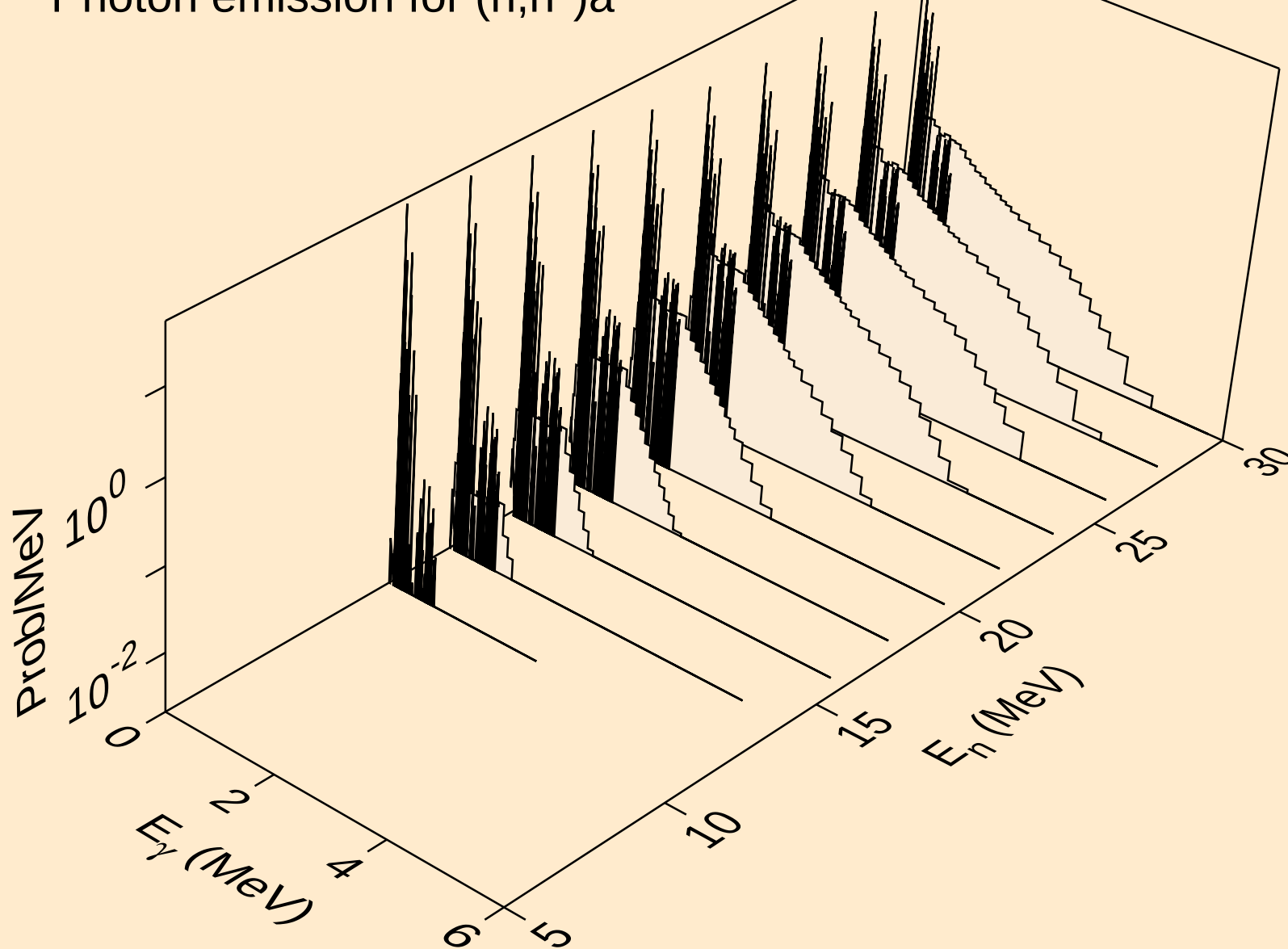


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



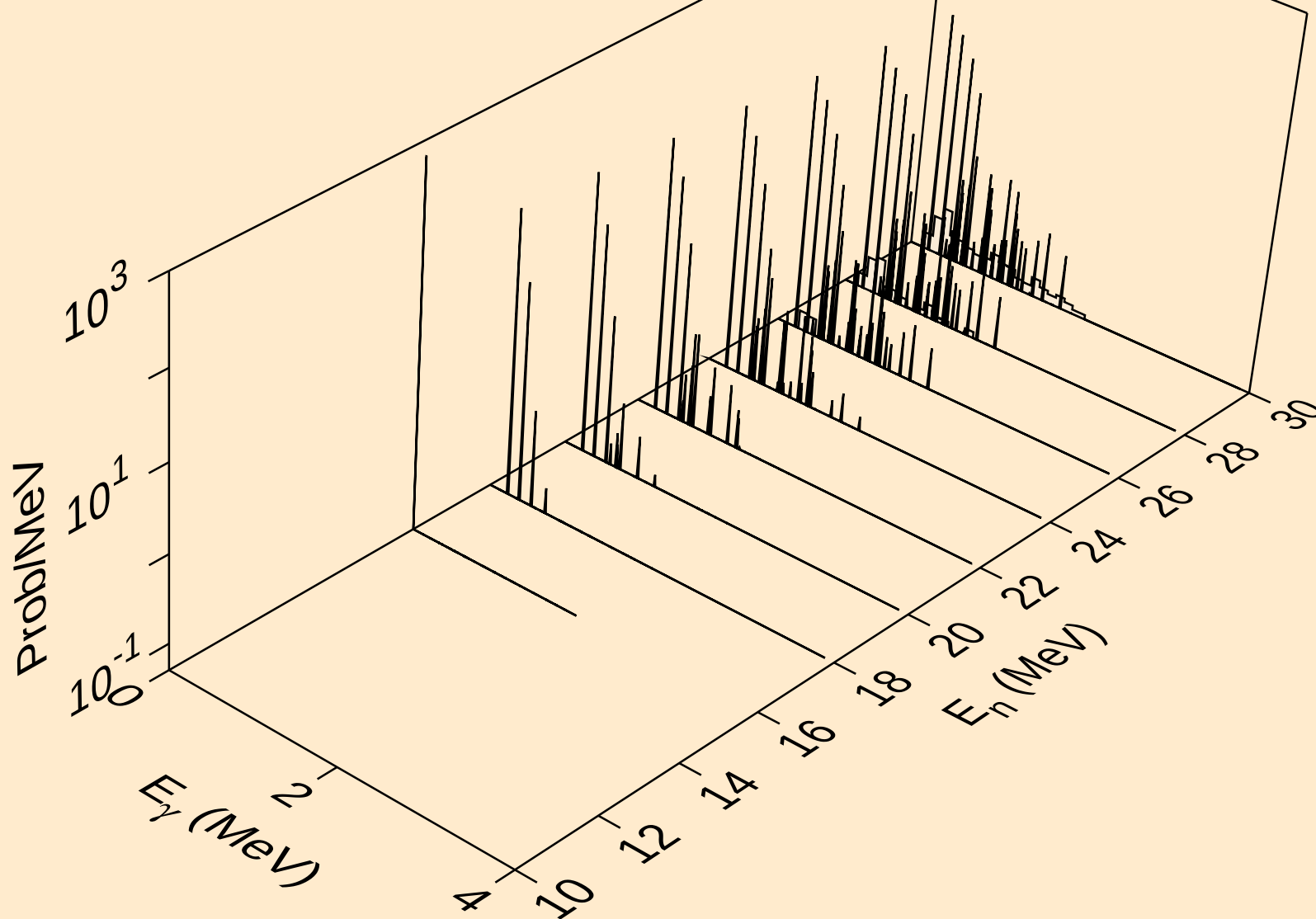
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



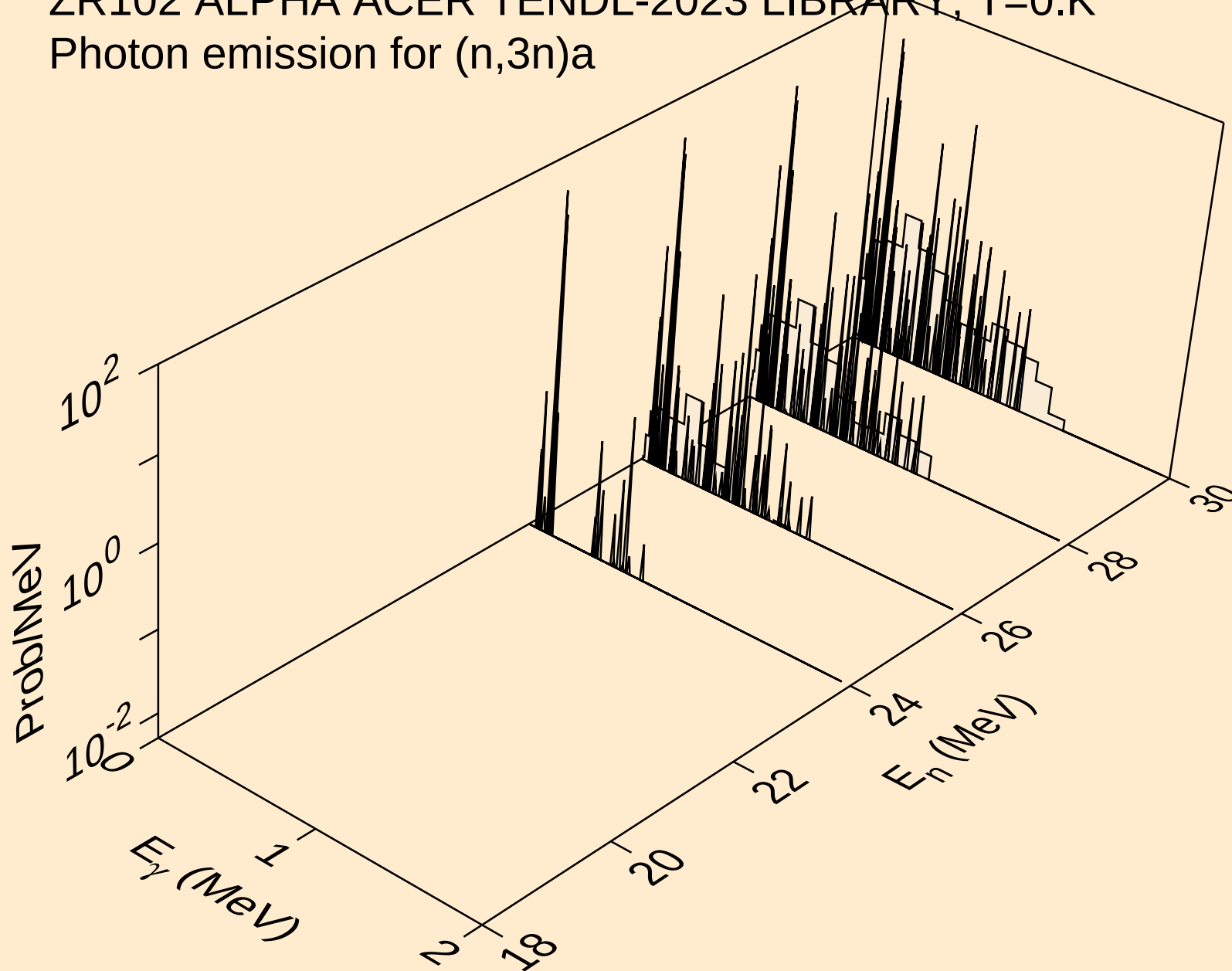
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



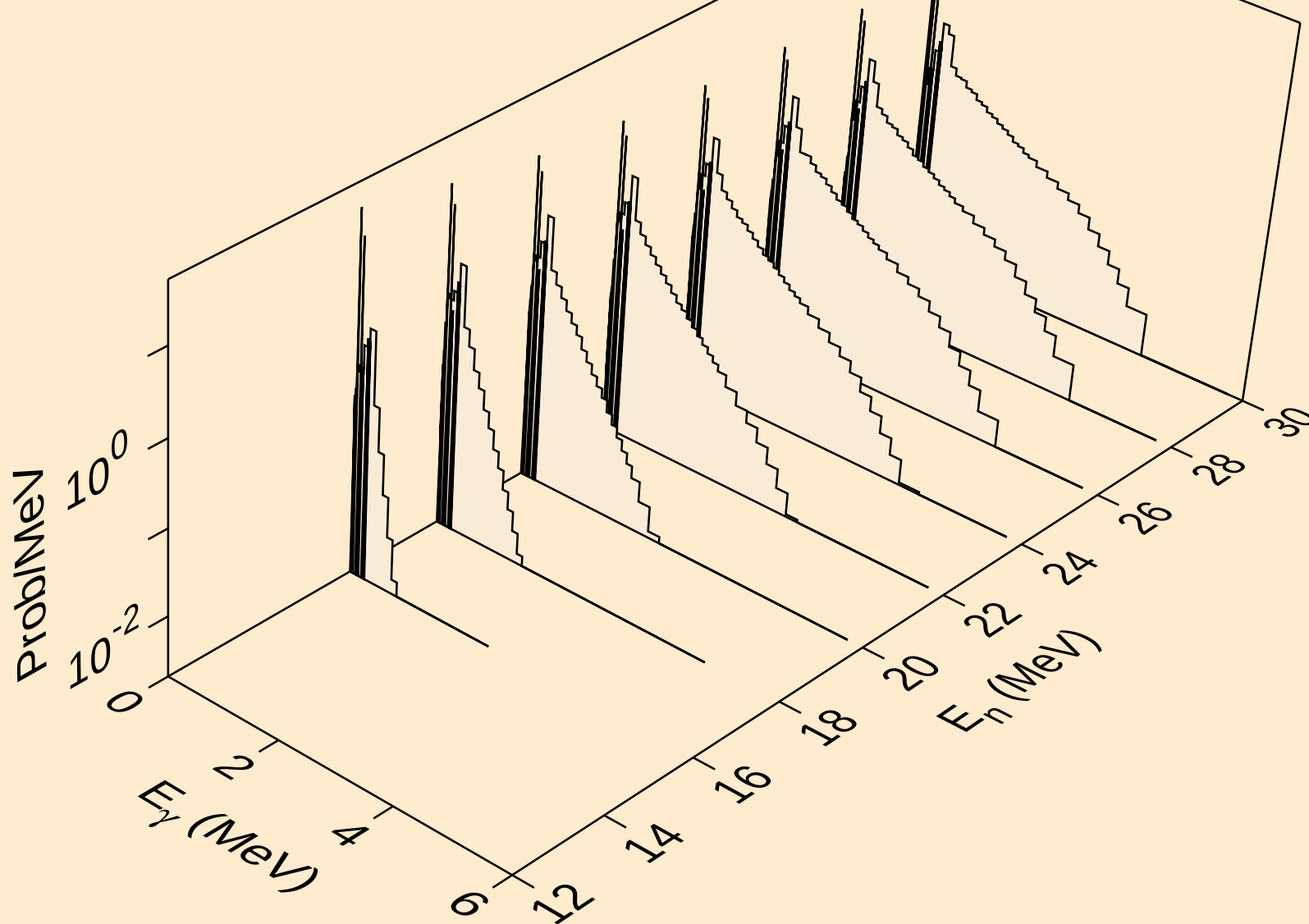
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α



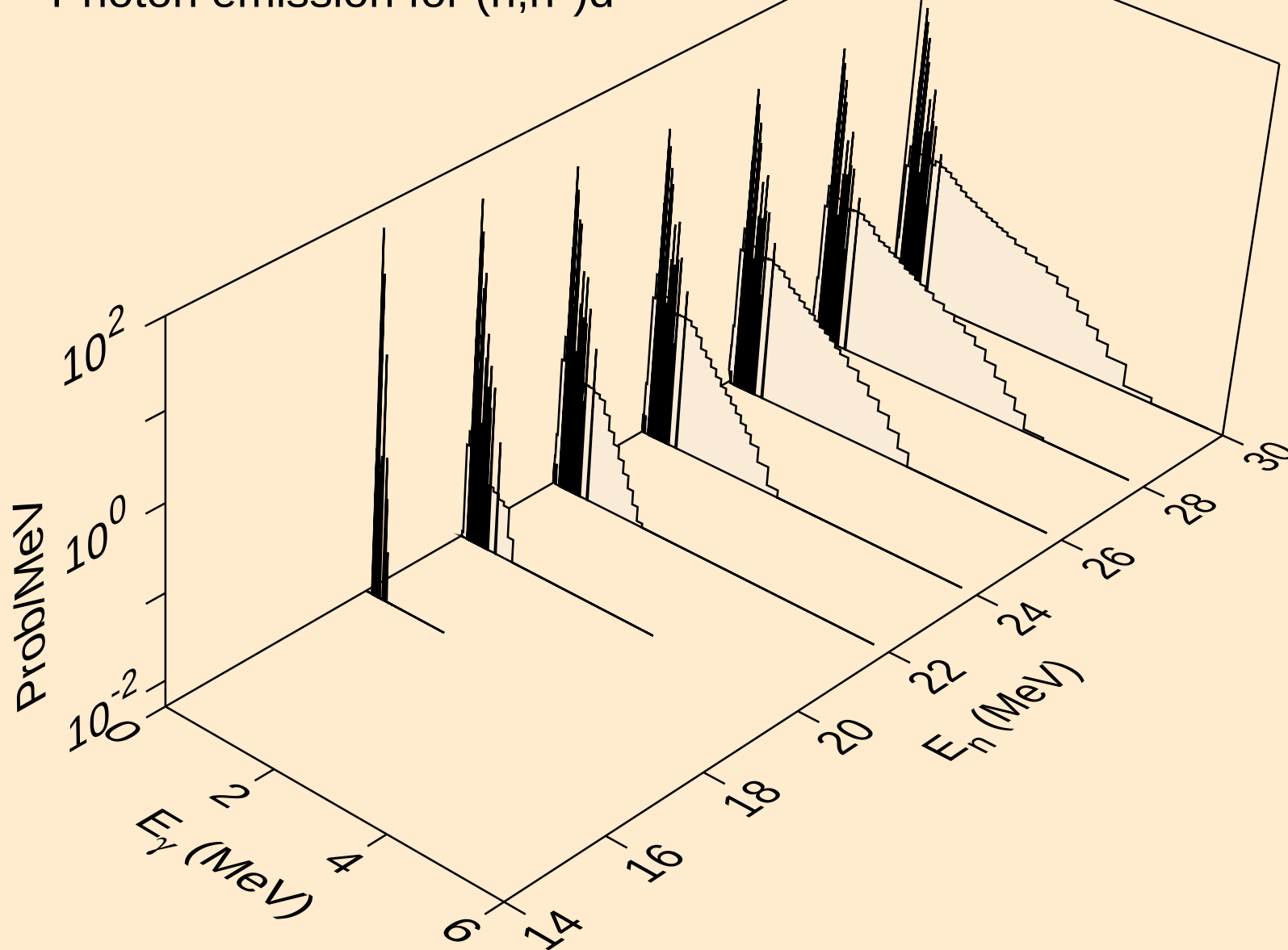
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



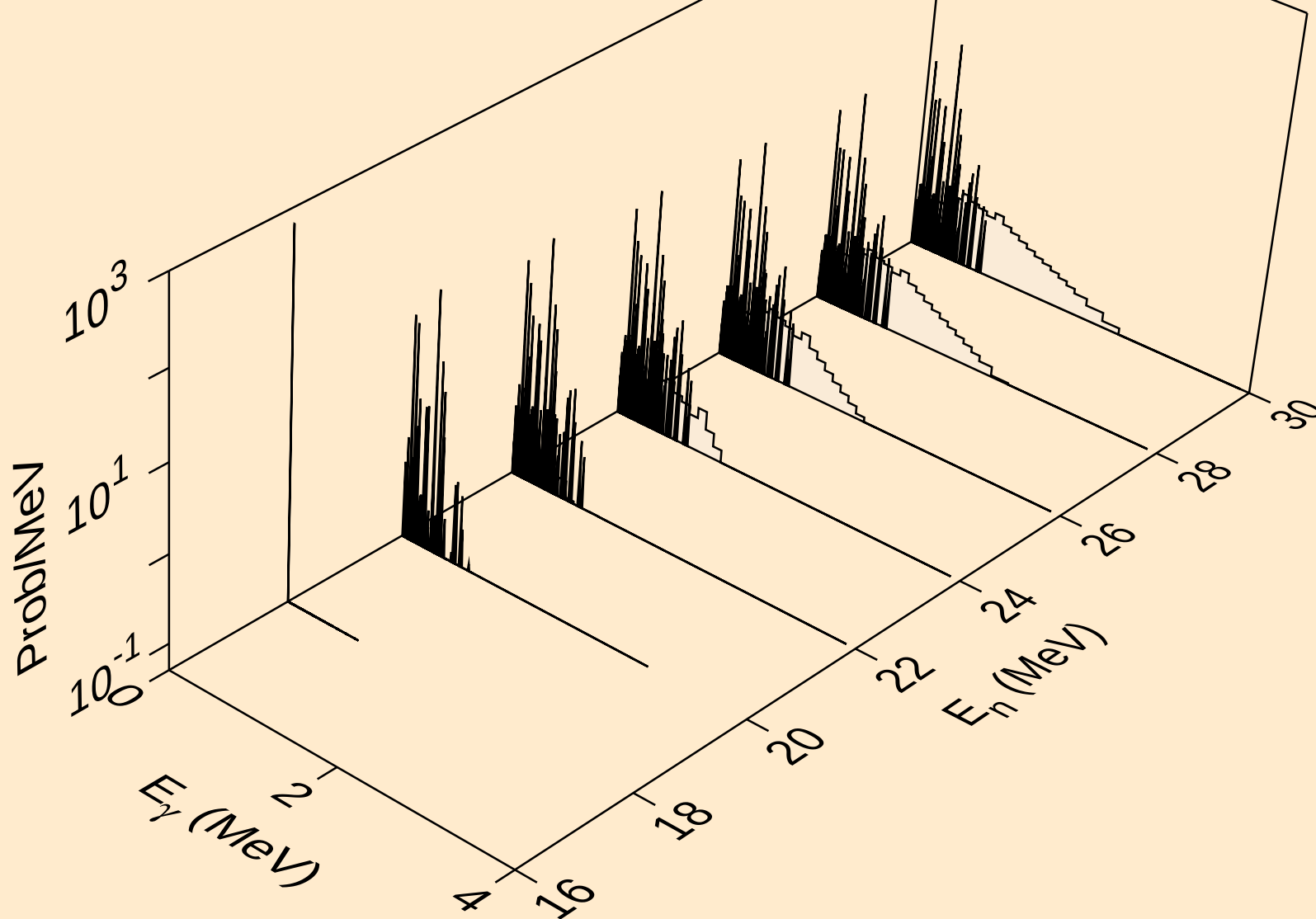
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d



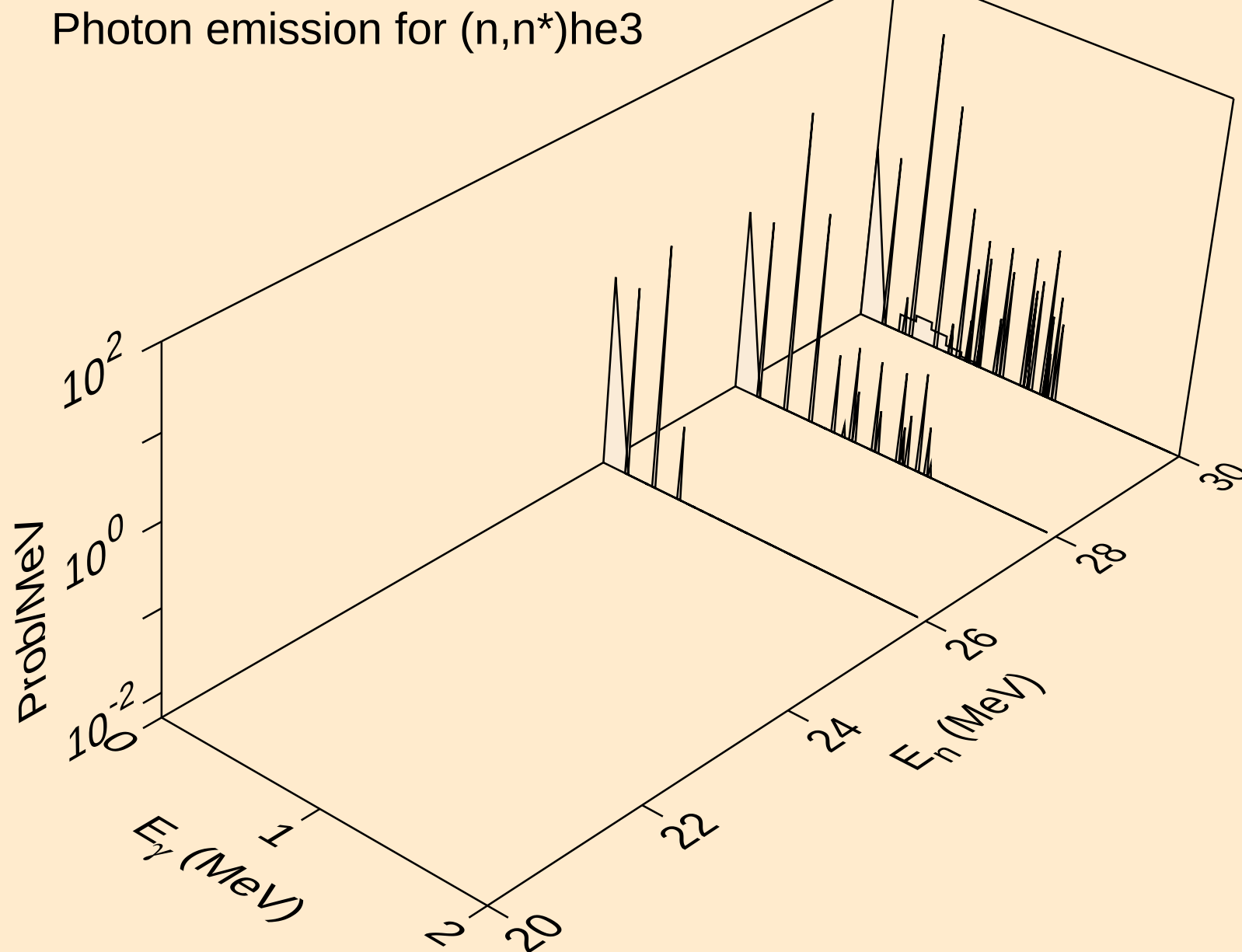
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)t

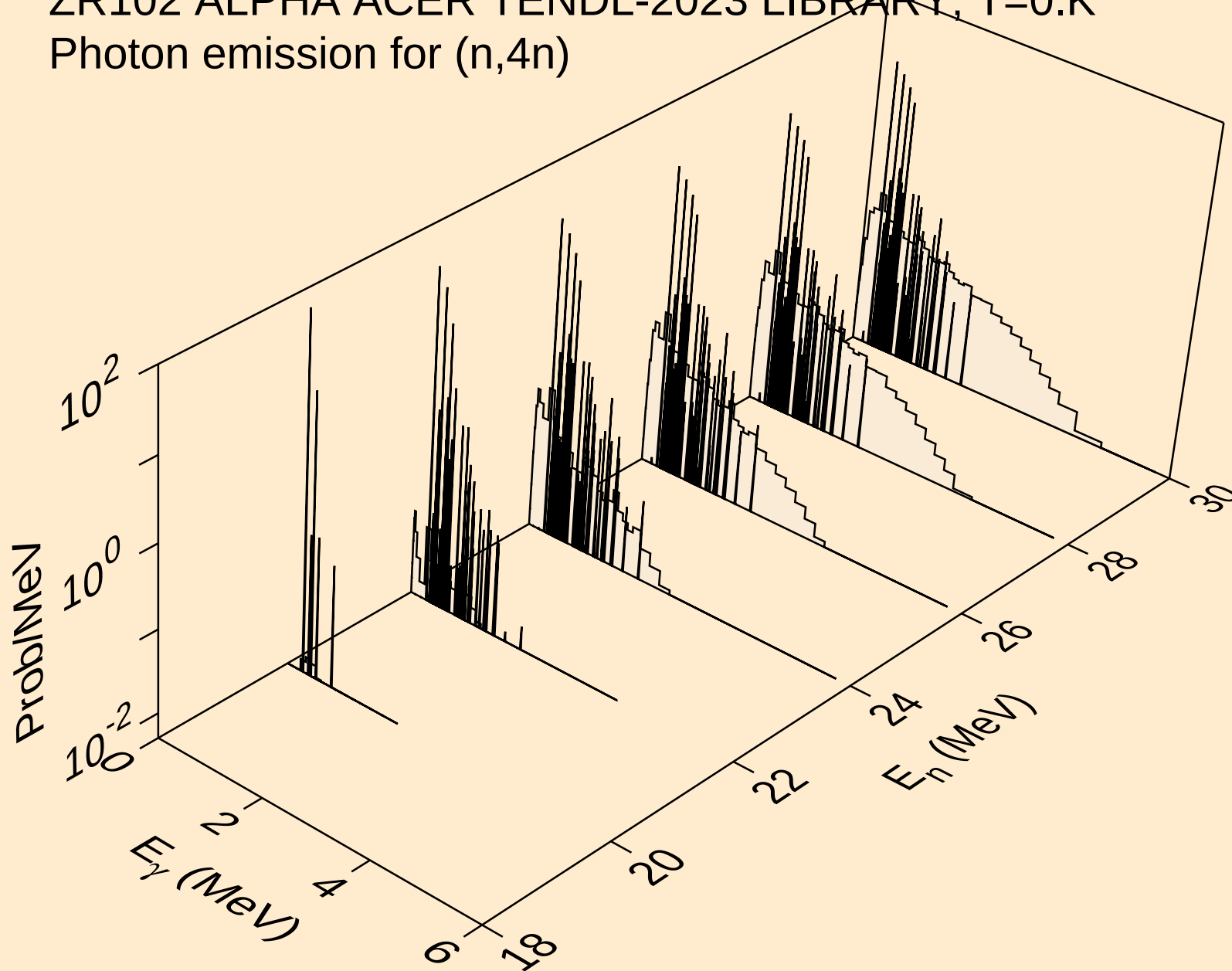


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

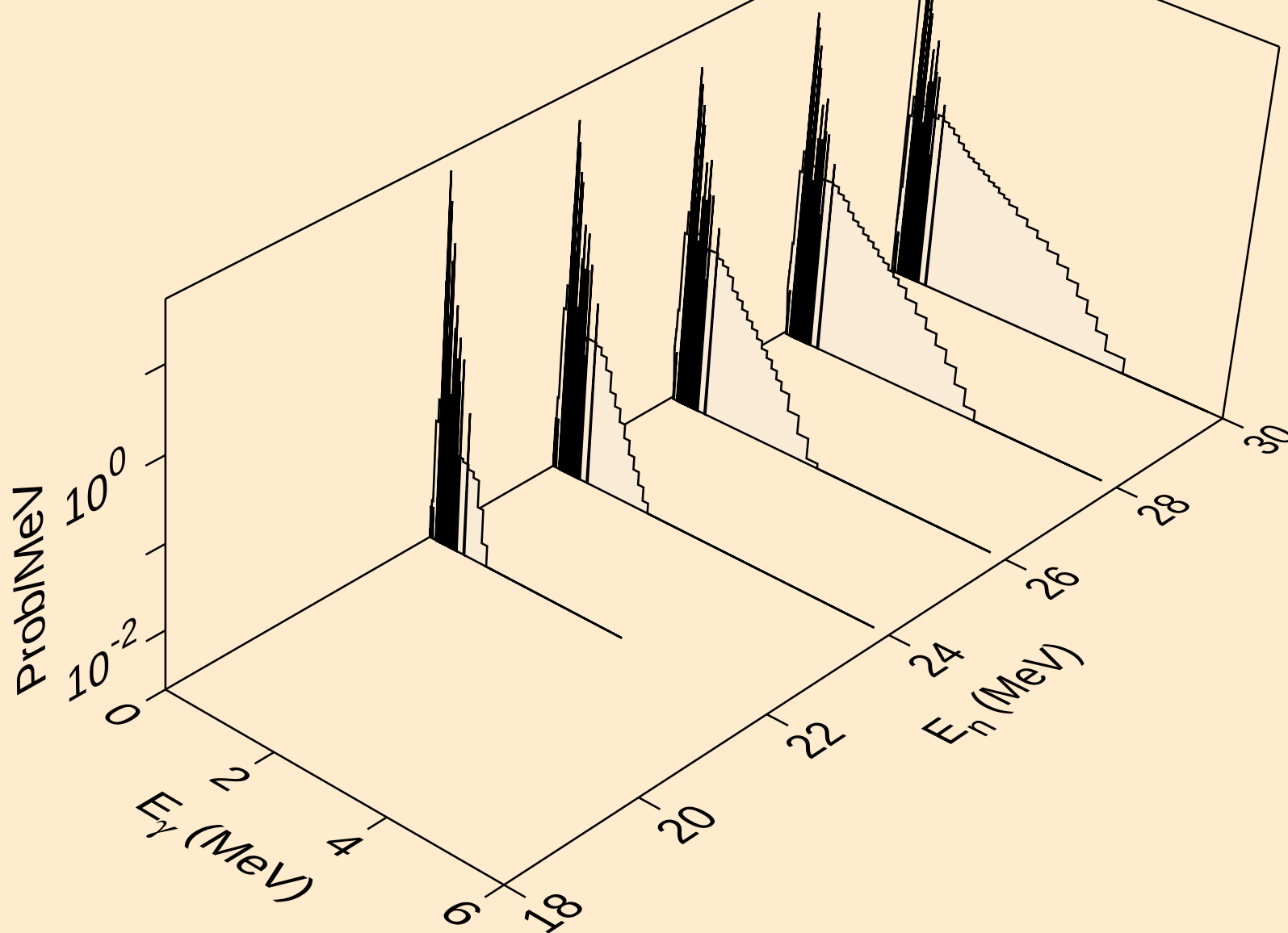
Photon emission for (n,n*)he3



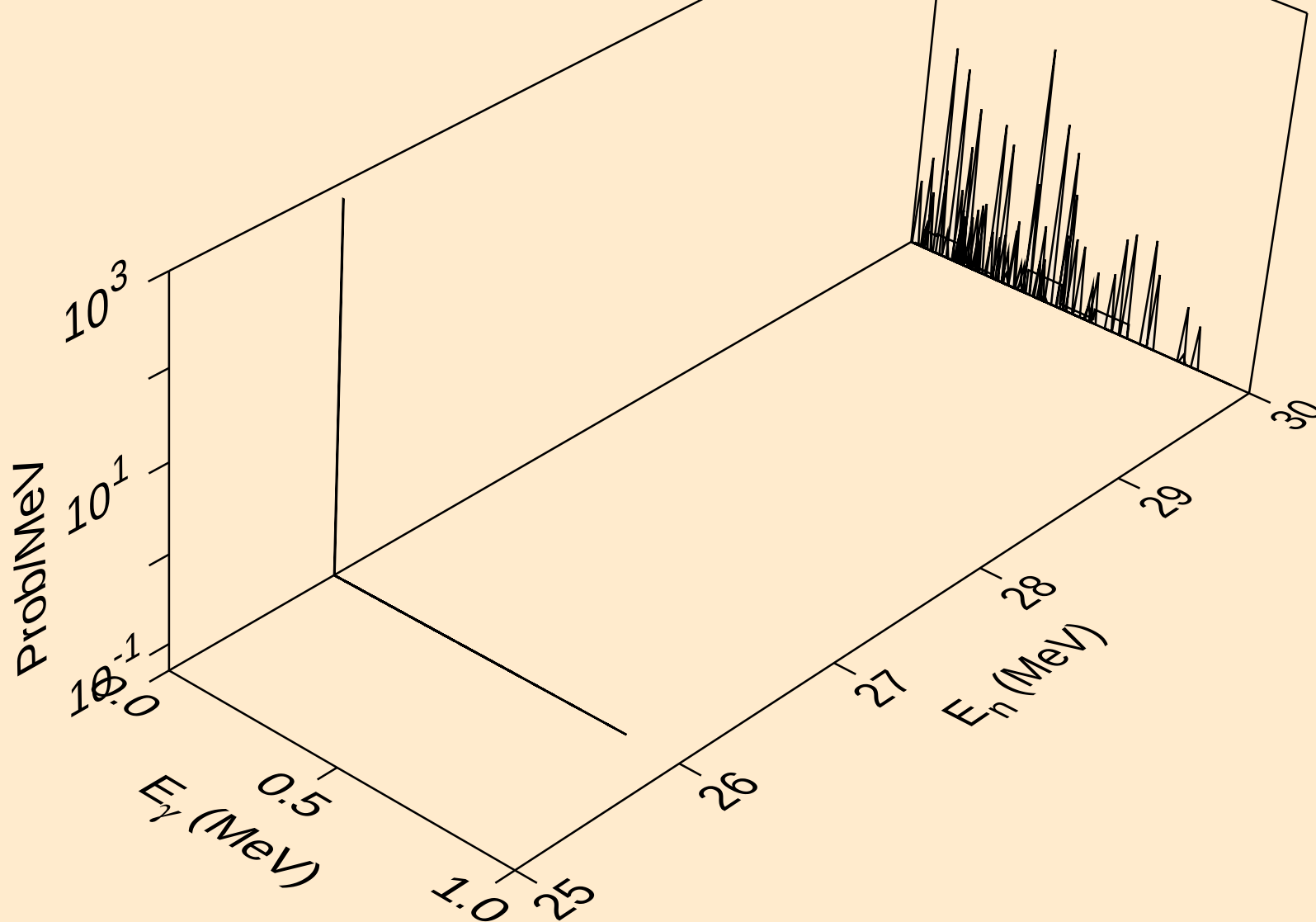
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



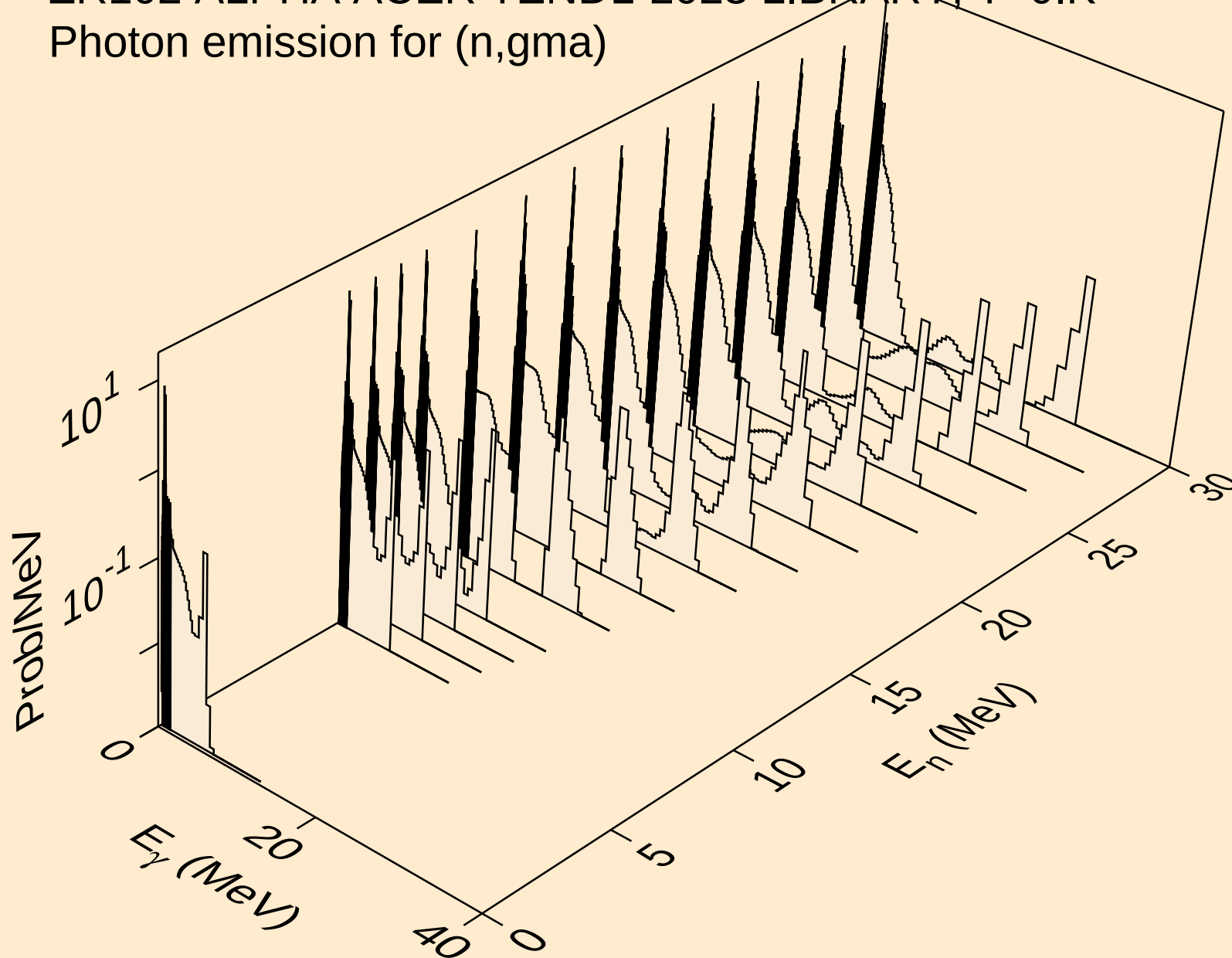
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



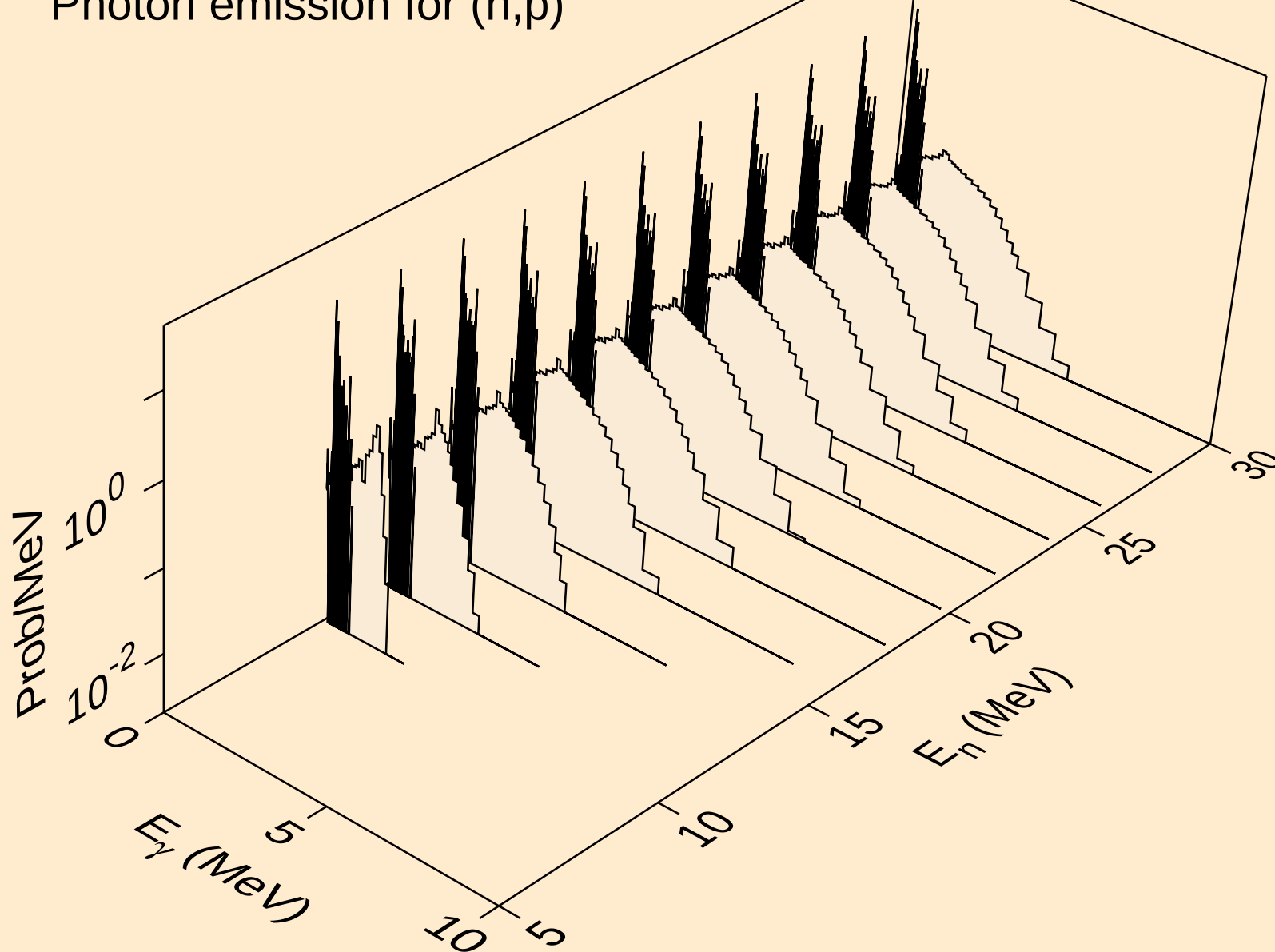
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Photon emission for (n,3np)



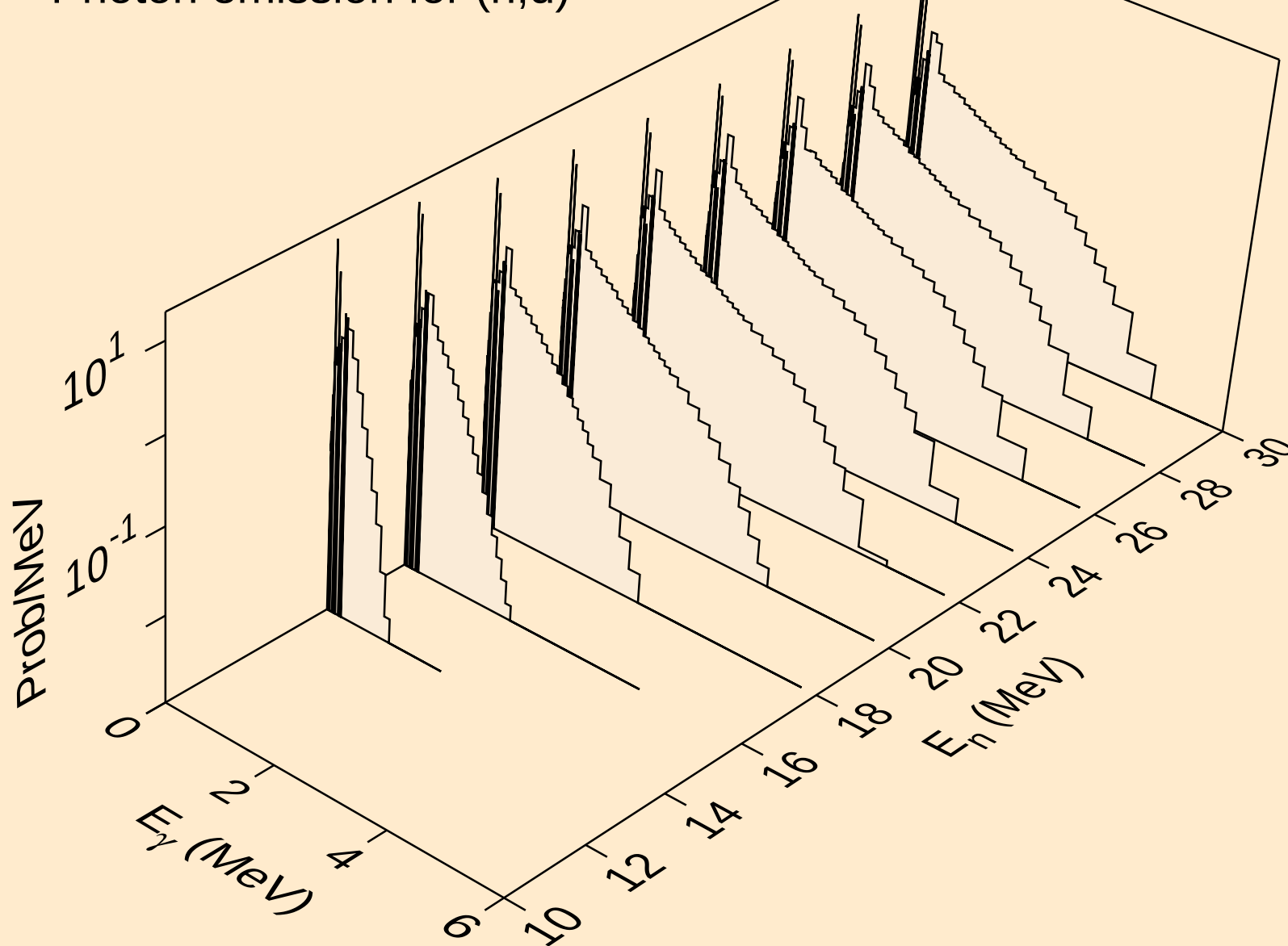
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)

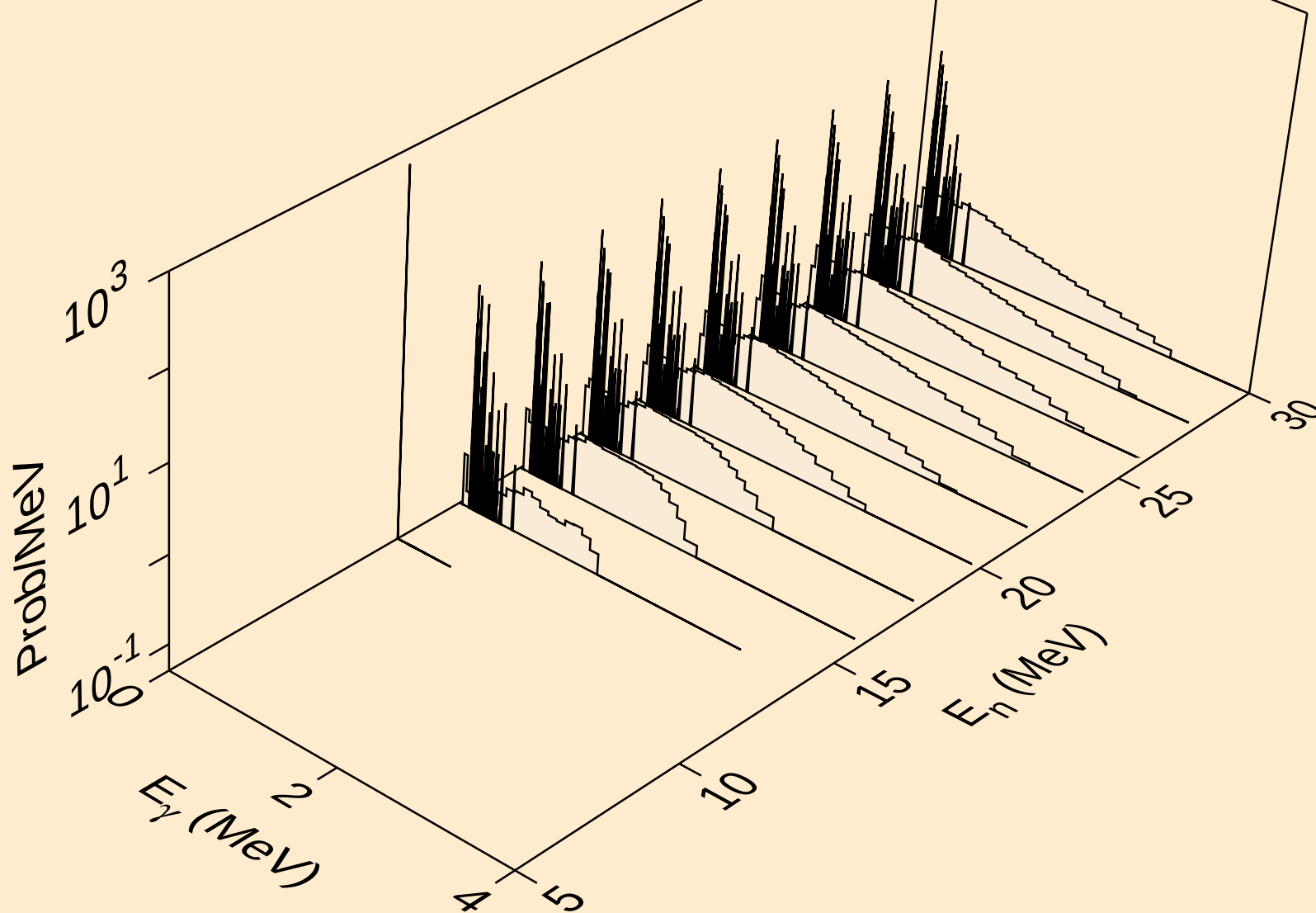


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)

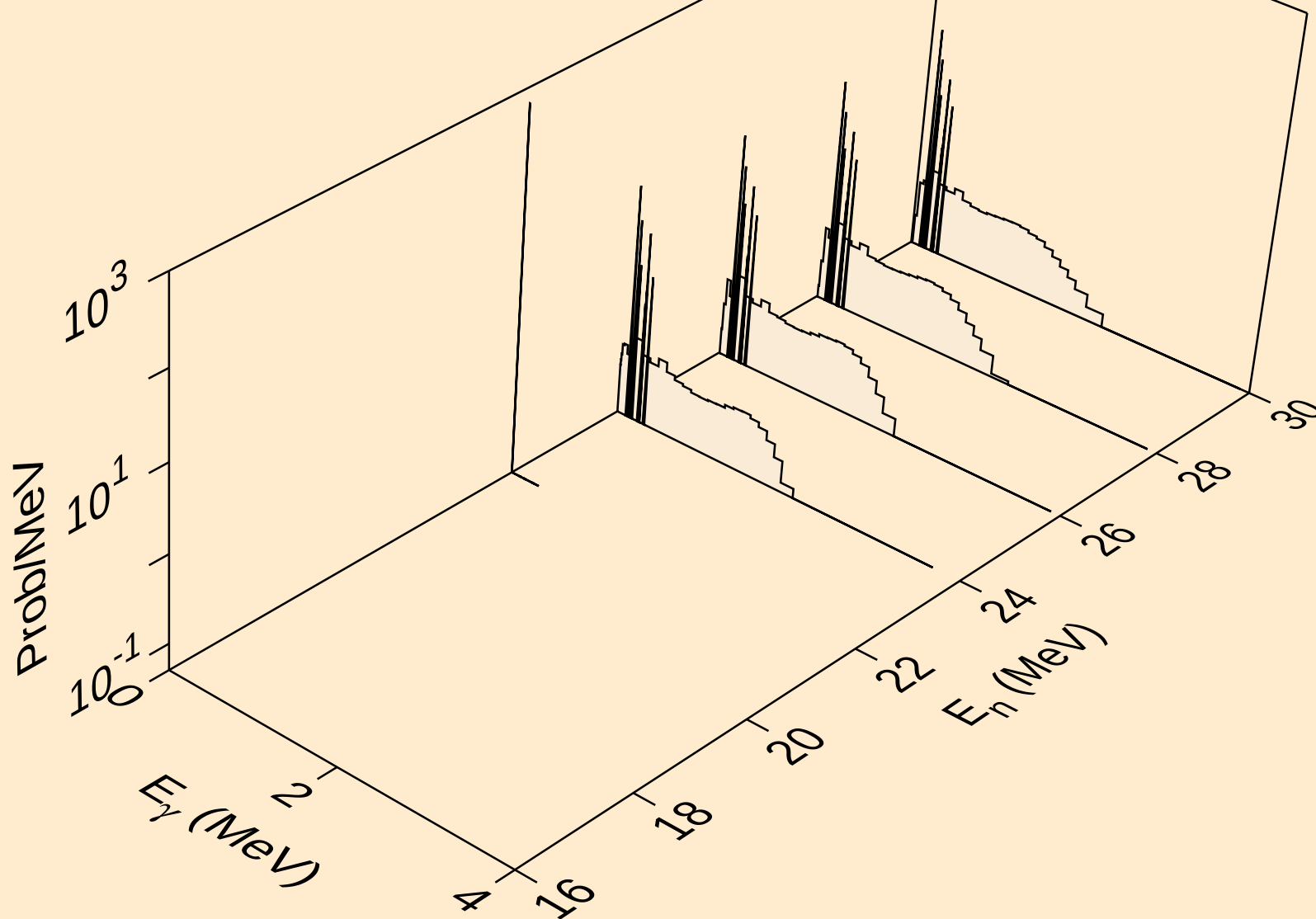


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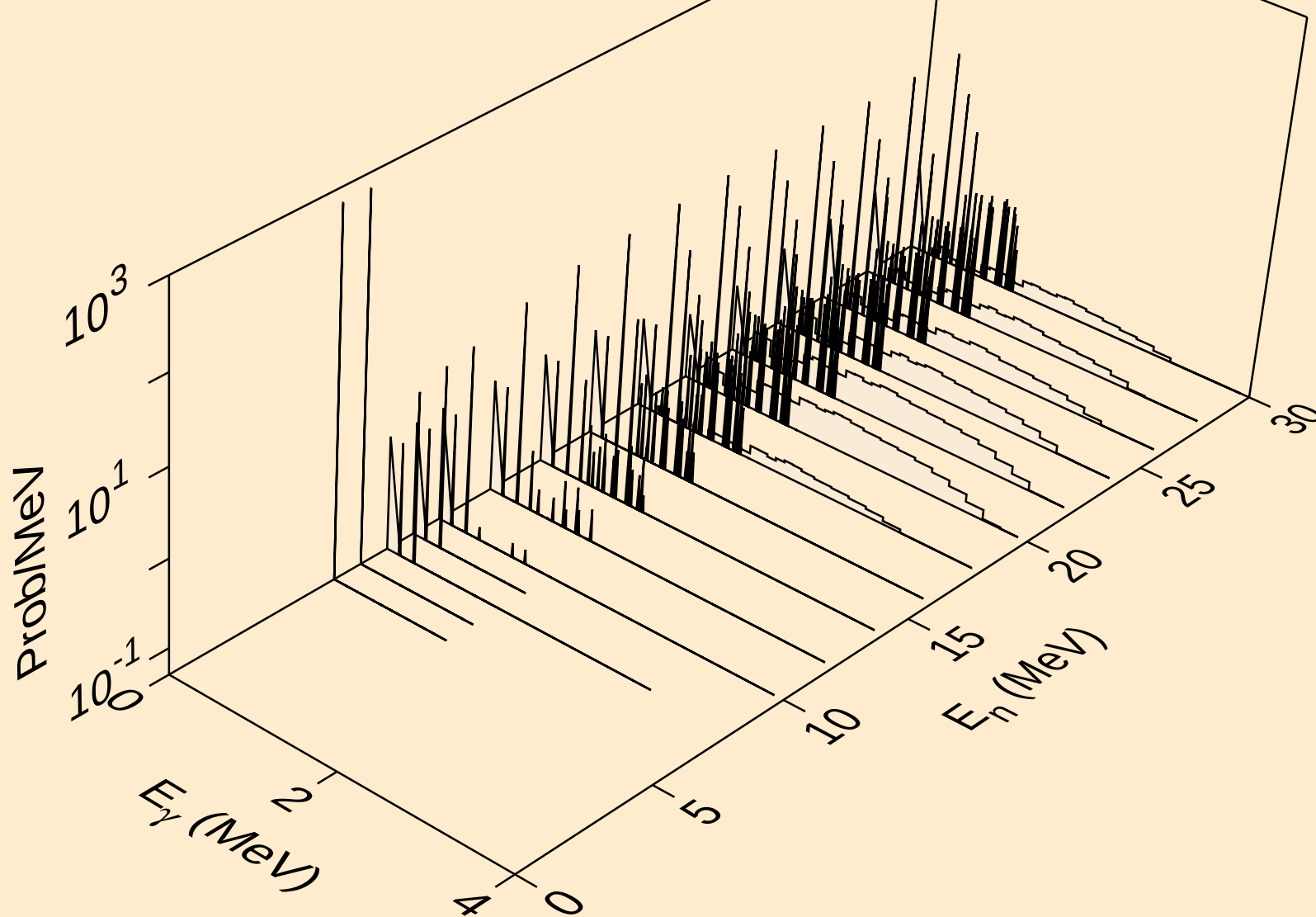
Photon emission for (n,t)



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)

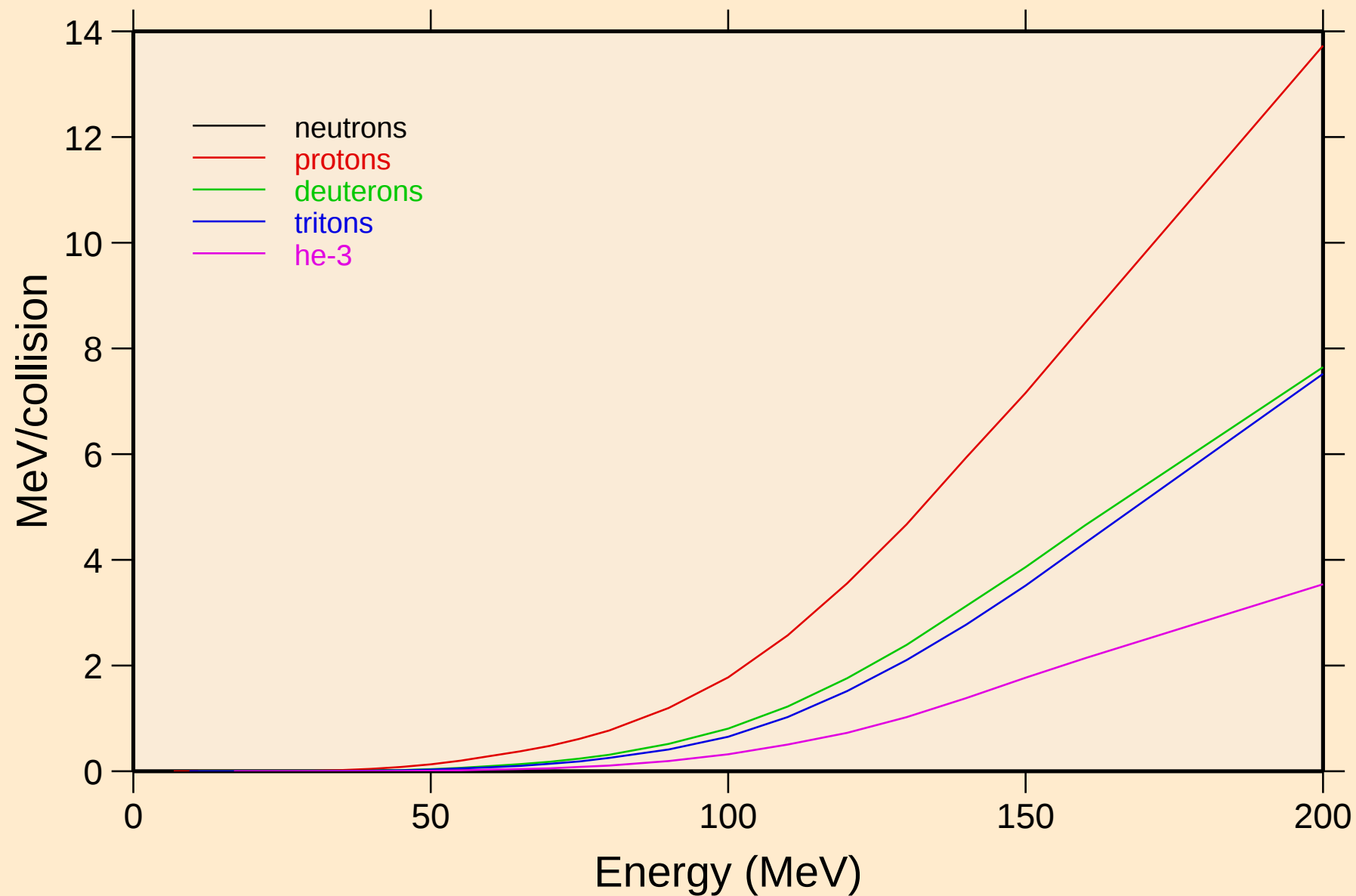


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



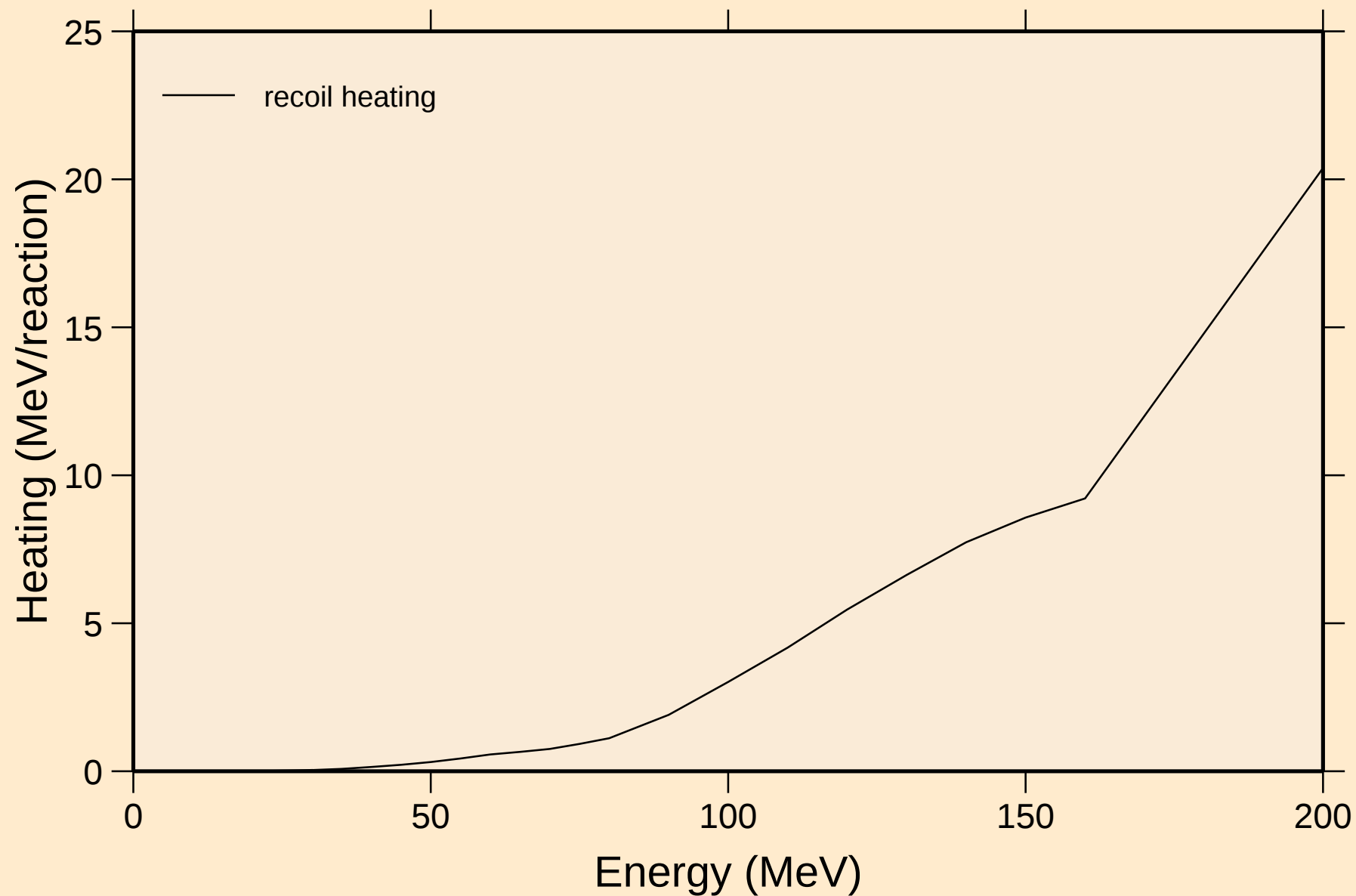
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Particle heating contributions



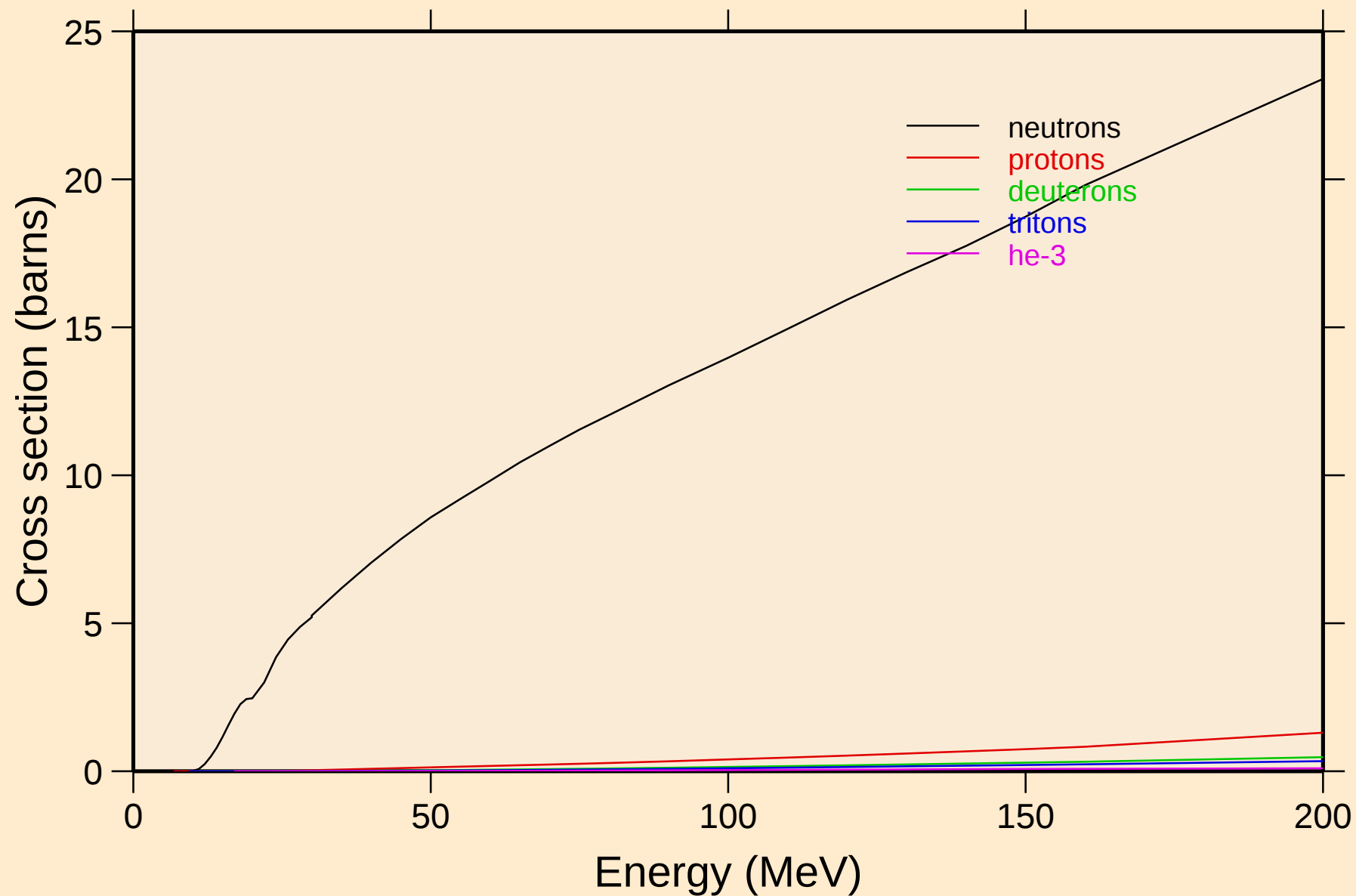
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Recoil Heating

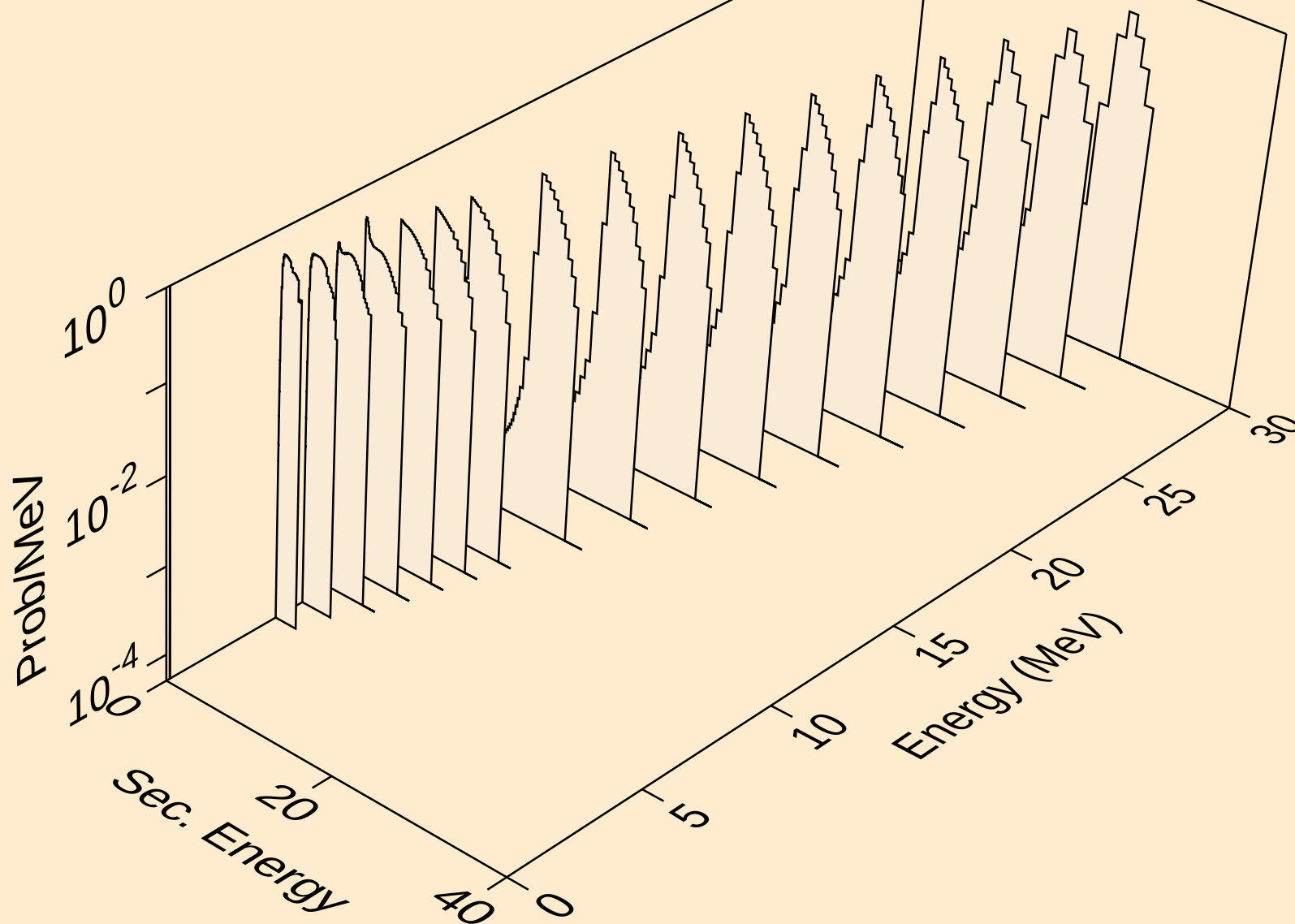


ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

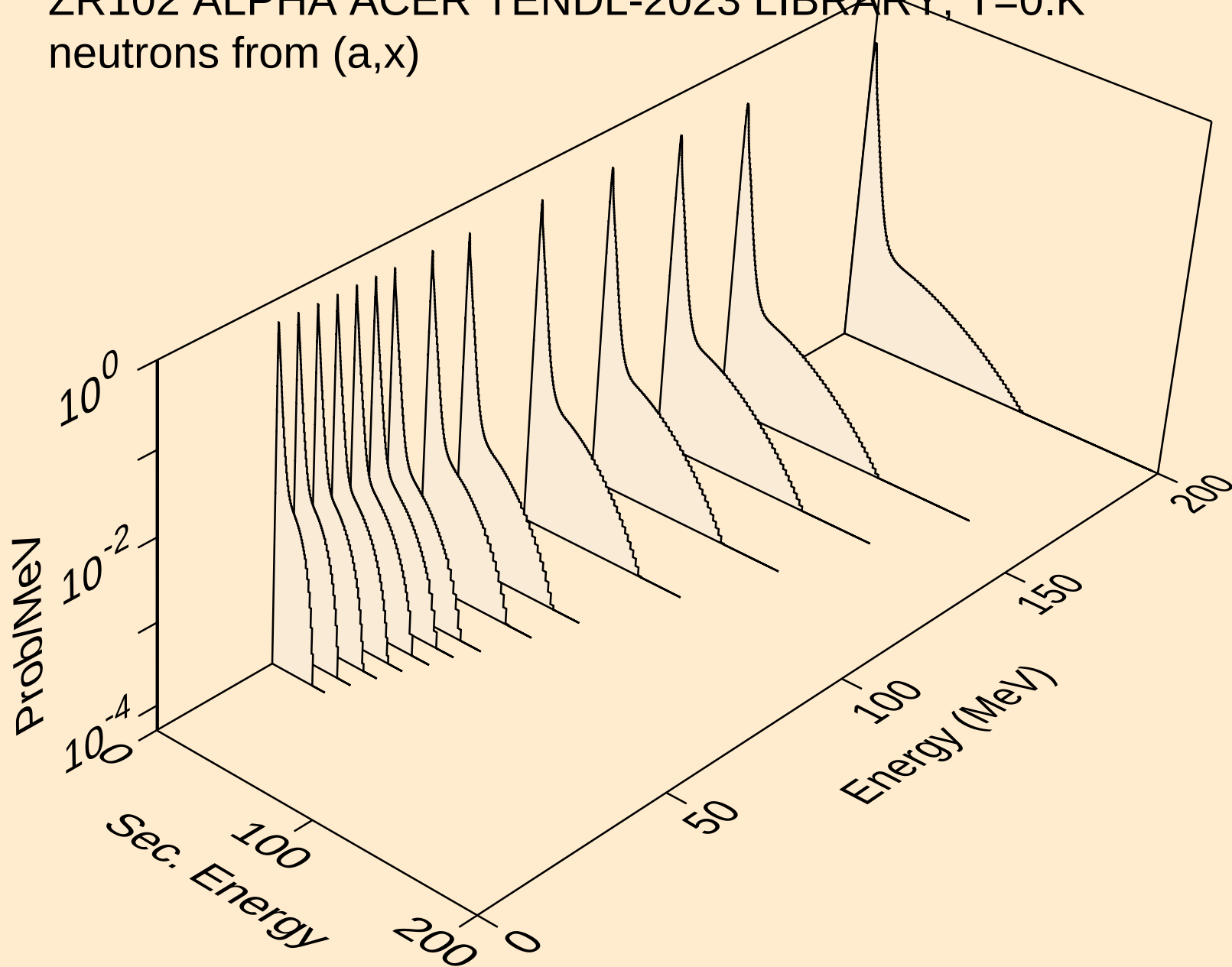
Particle production cross sections



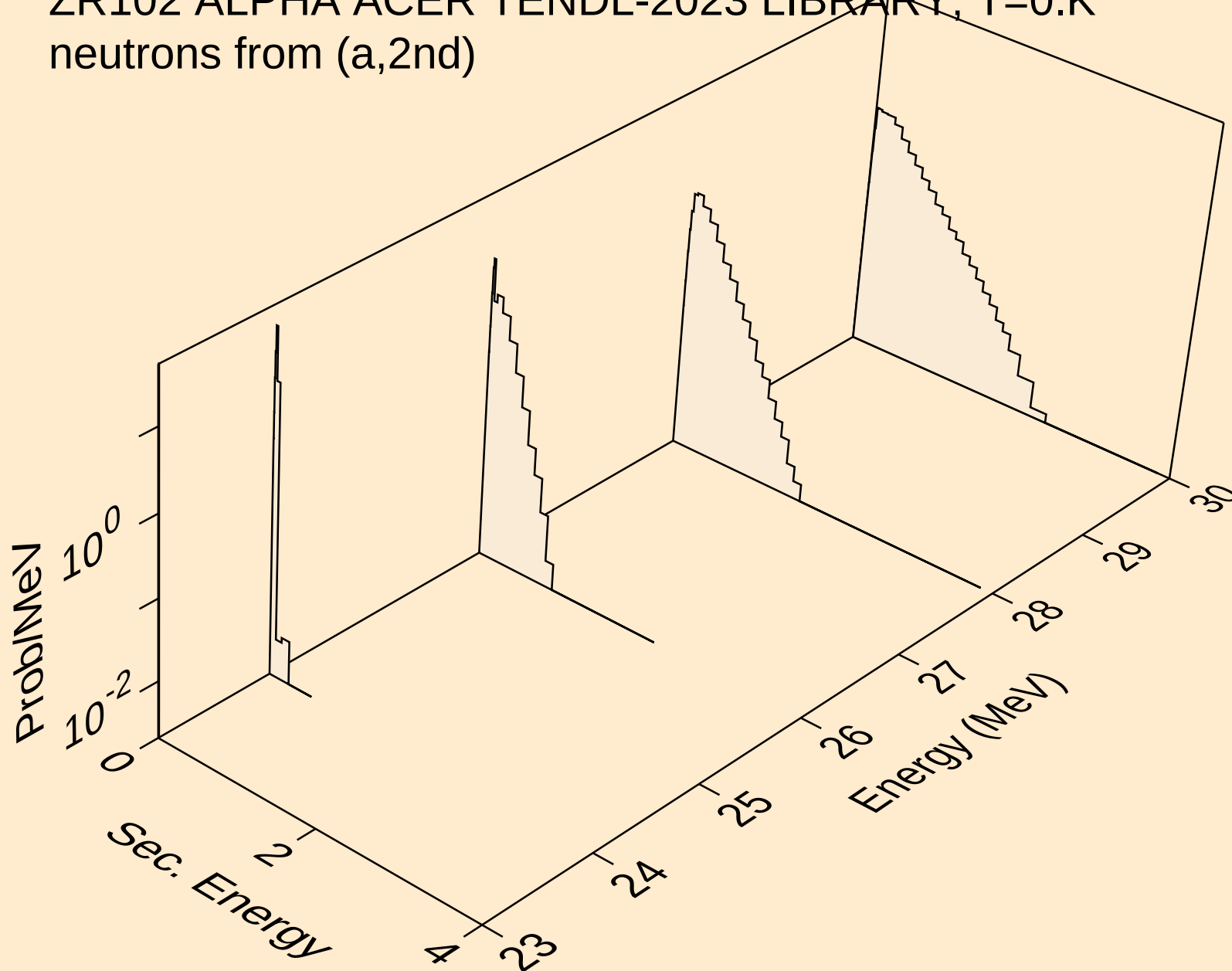
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



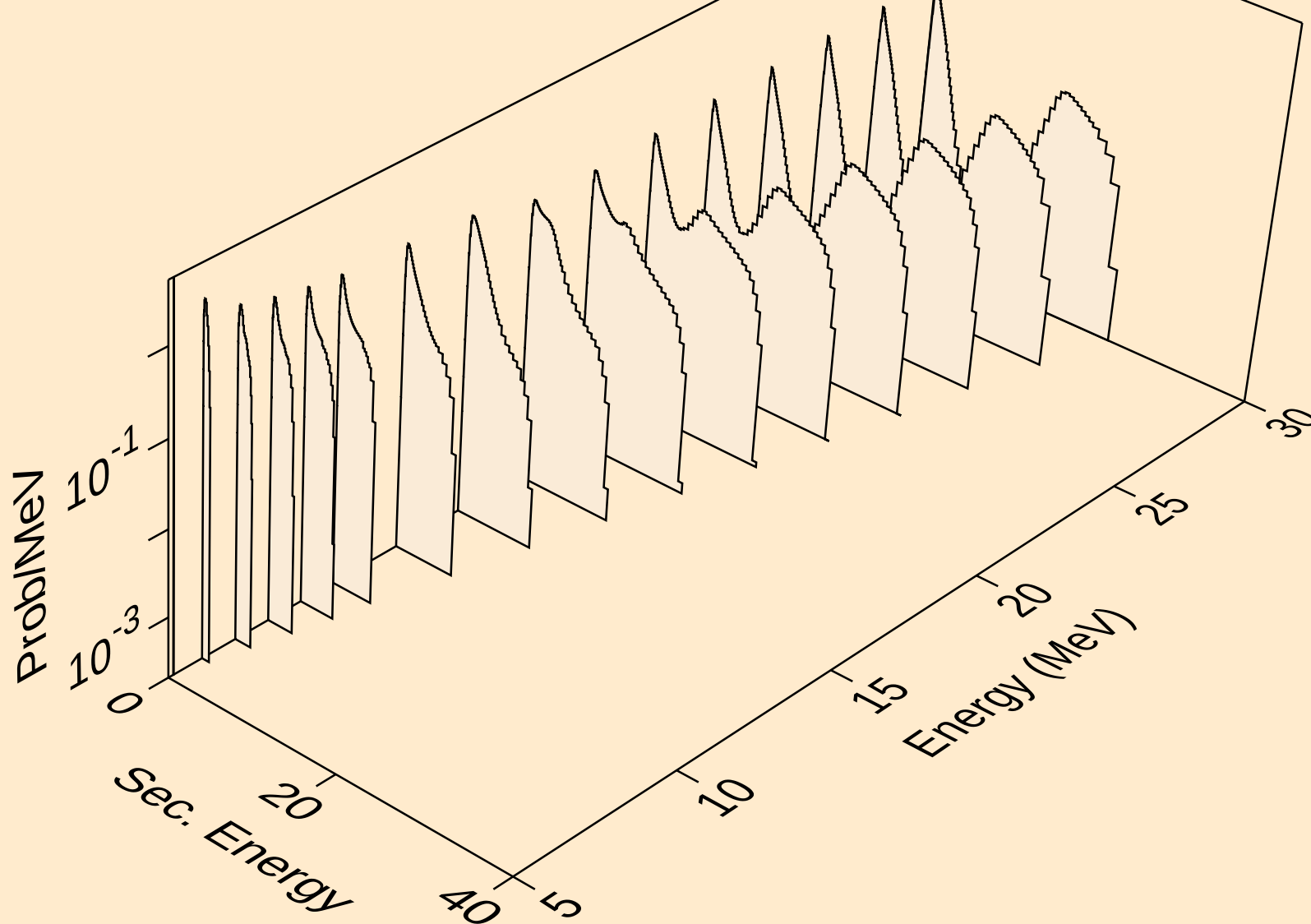
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



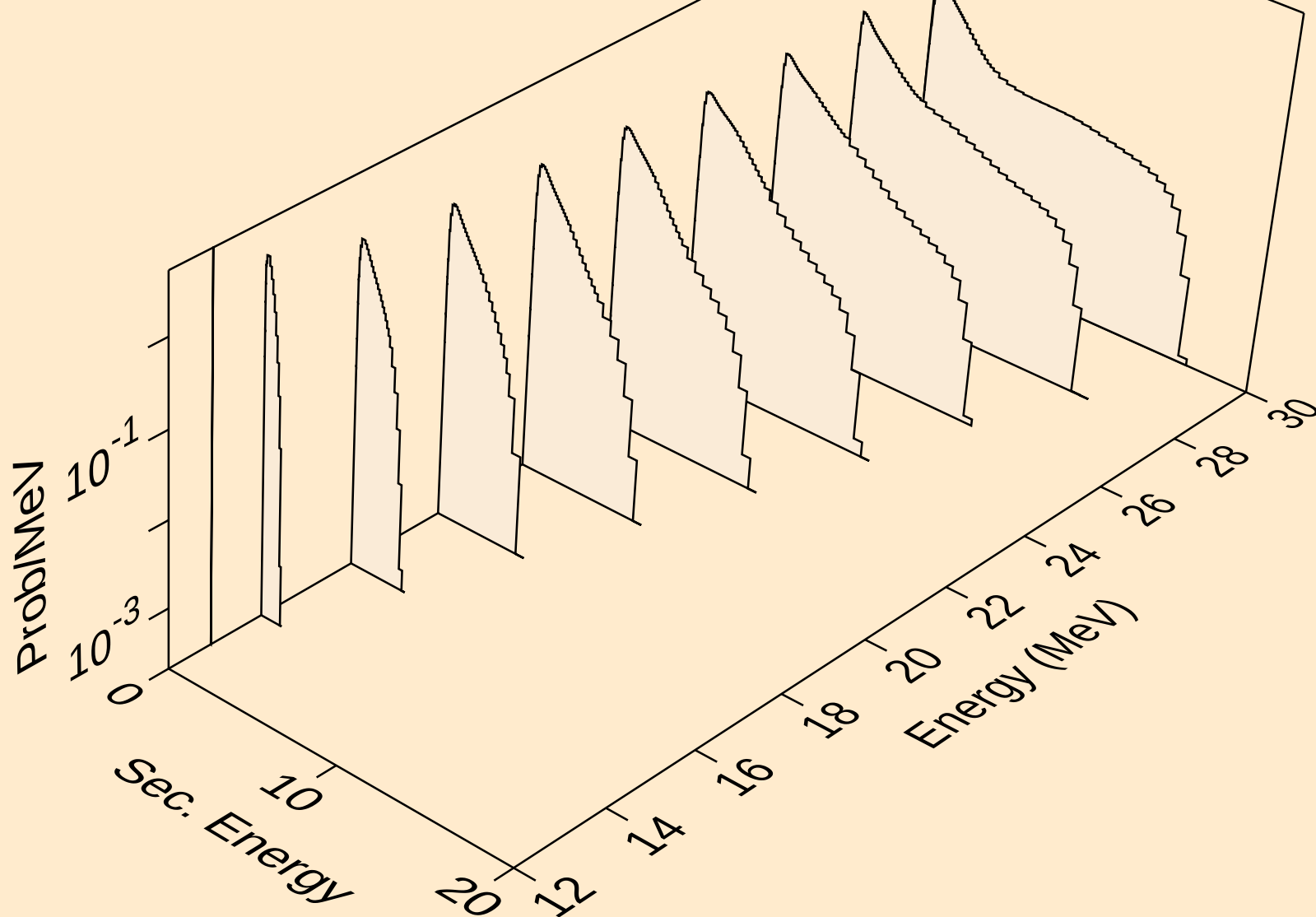
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2nd)



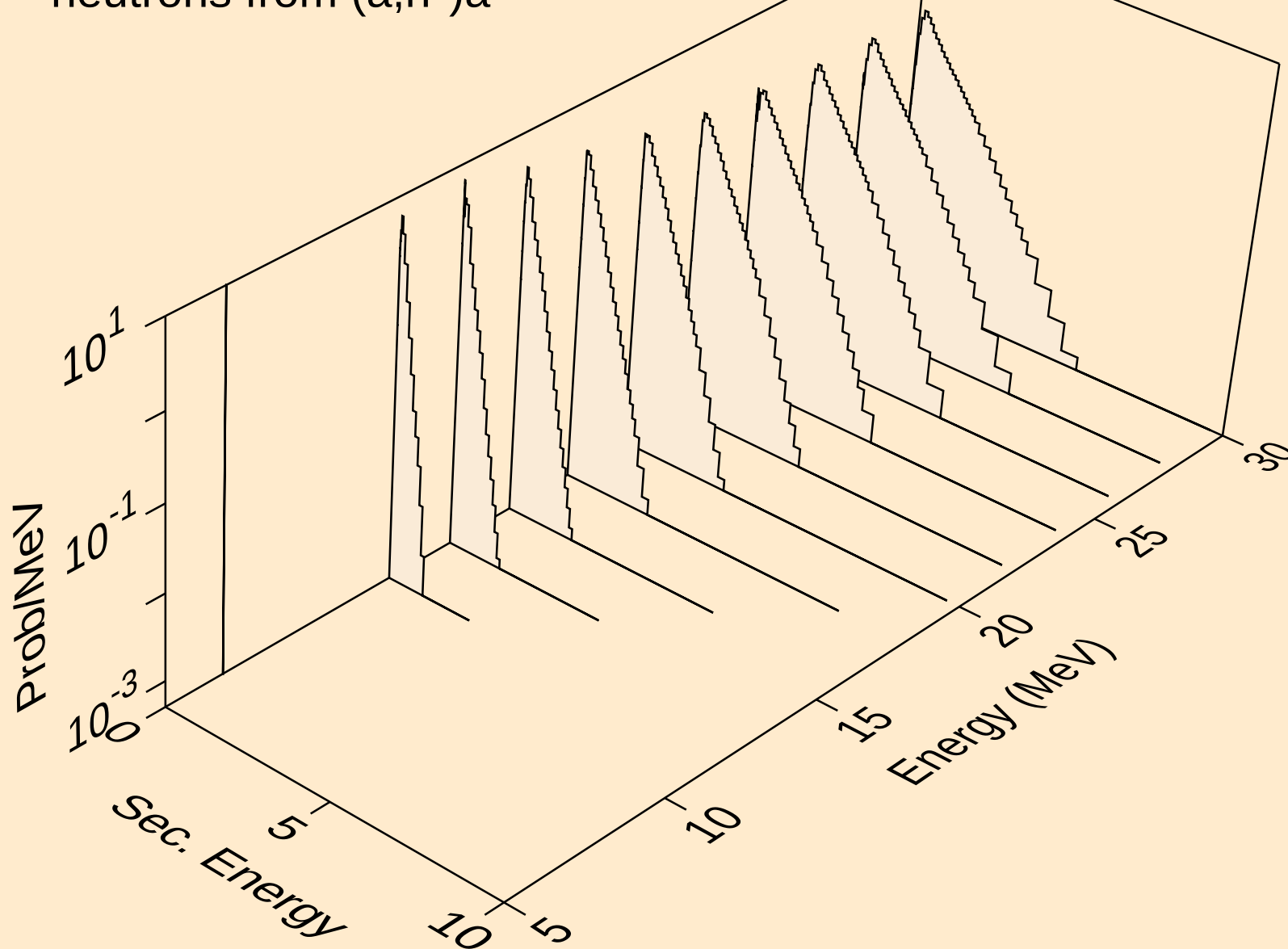
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neutrons from (a,2n)



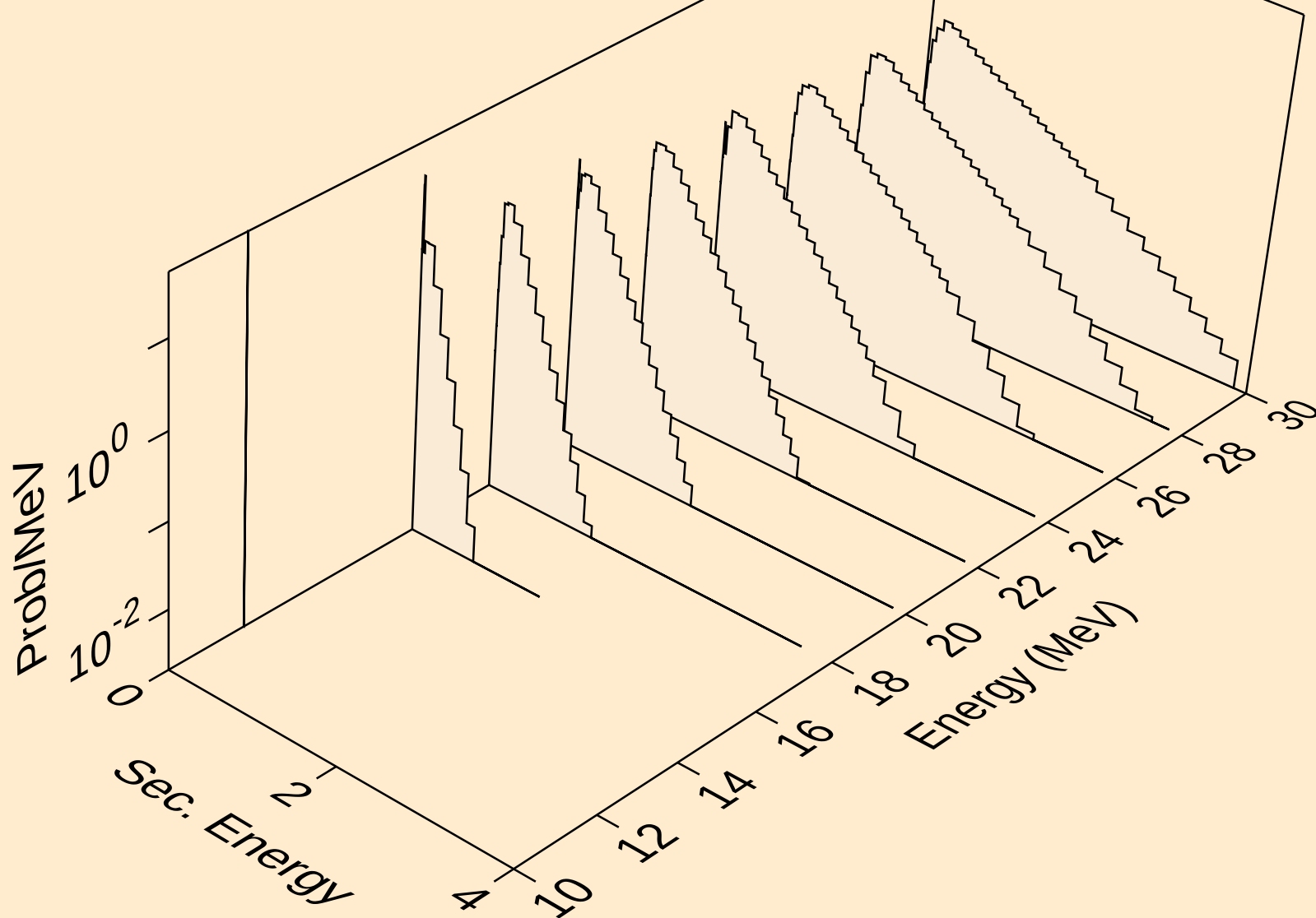
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neutrons from (a,3n)



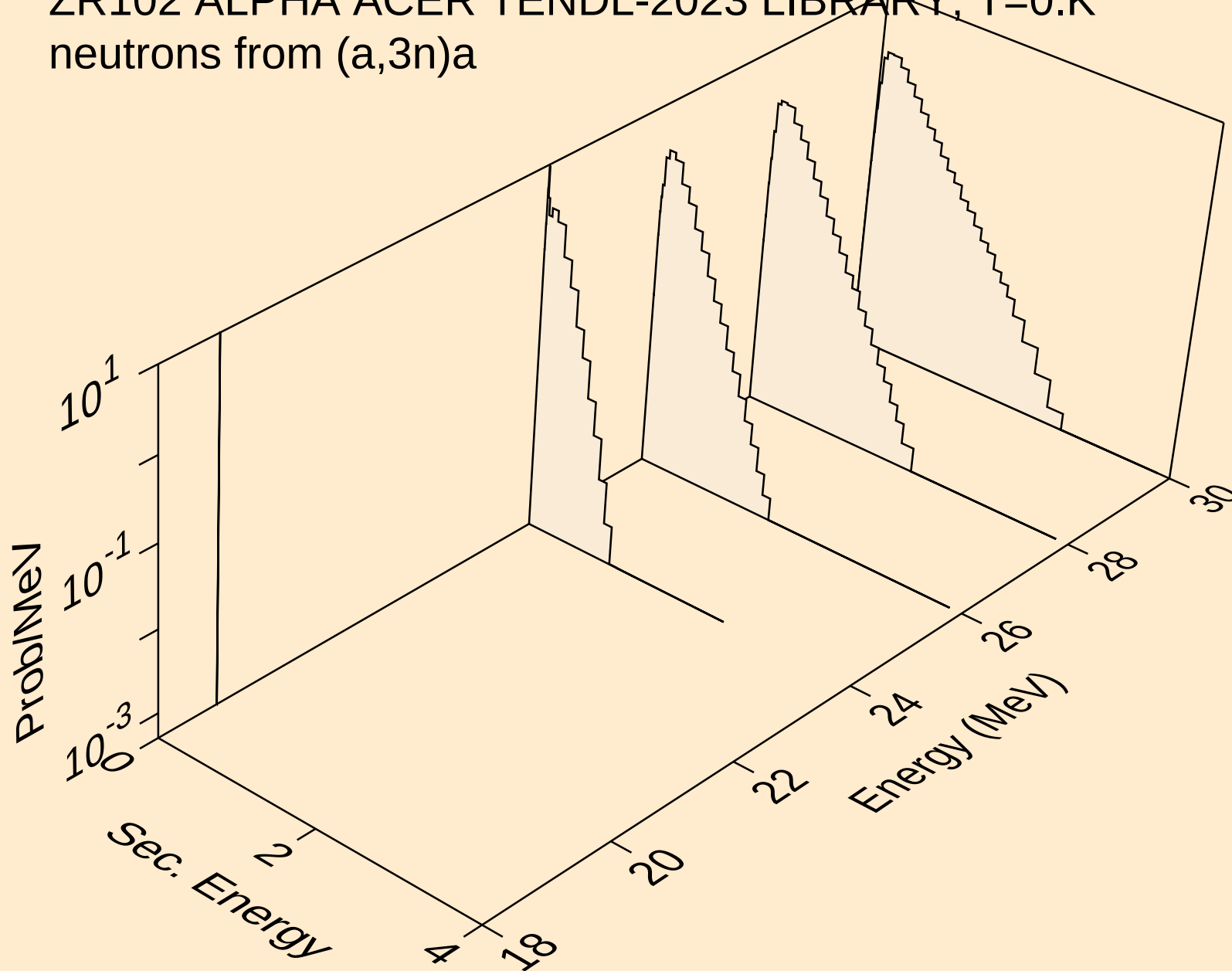
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neutrons from (a,n*)a



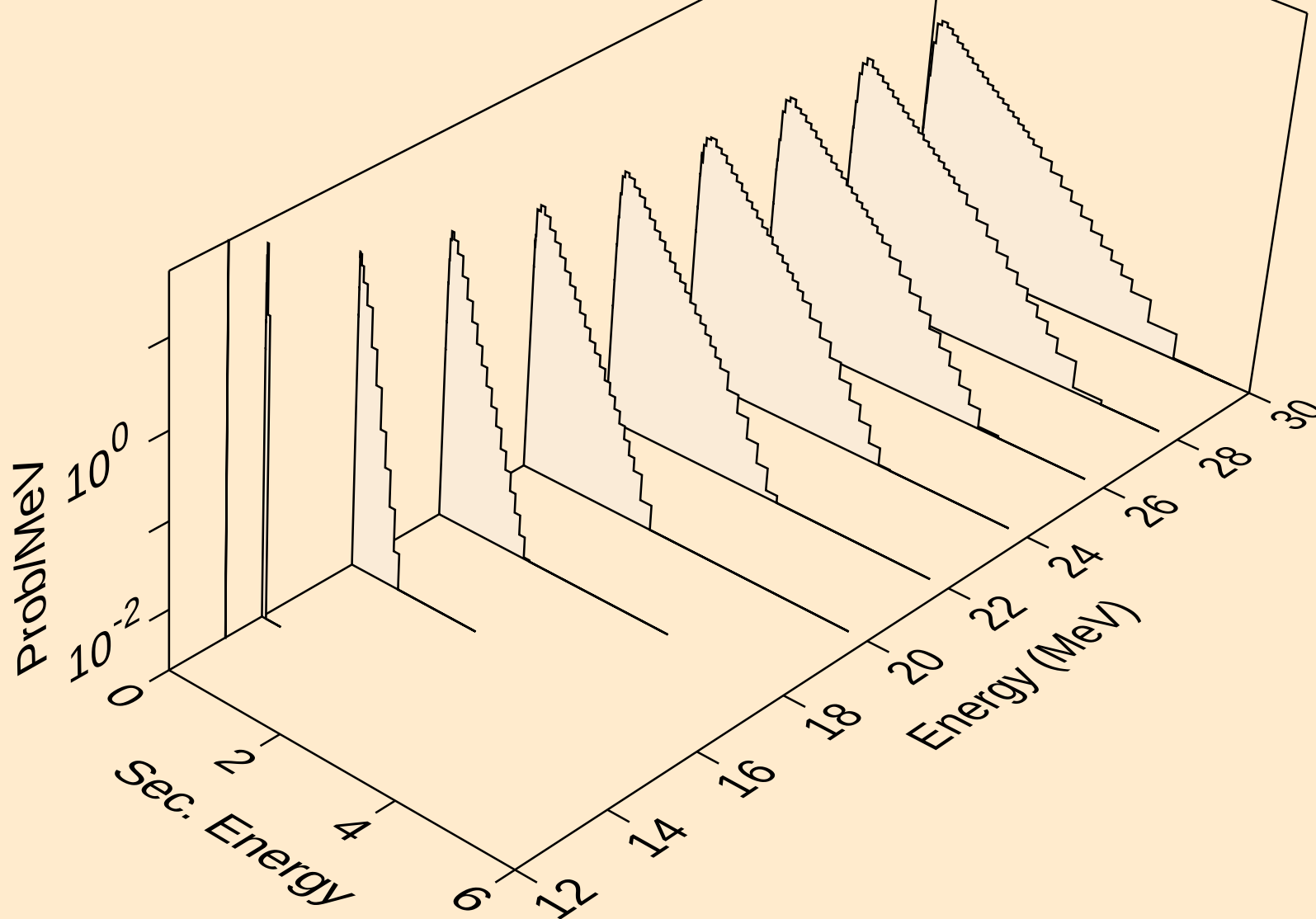
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neutrons from (a,2n)a



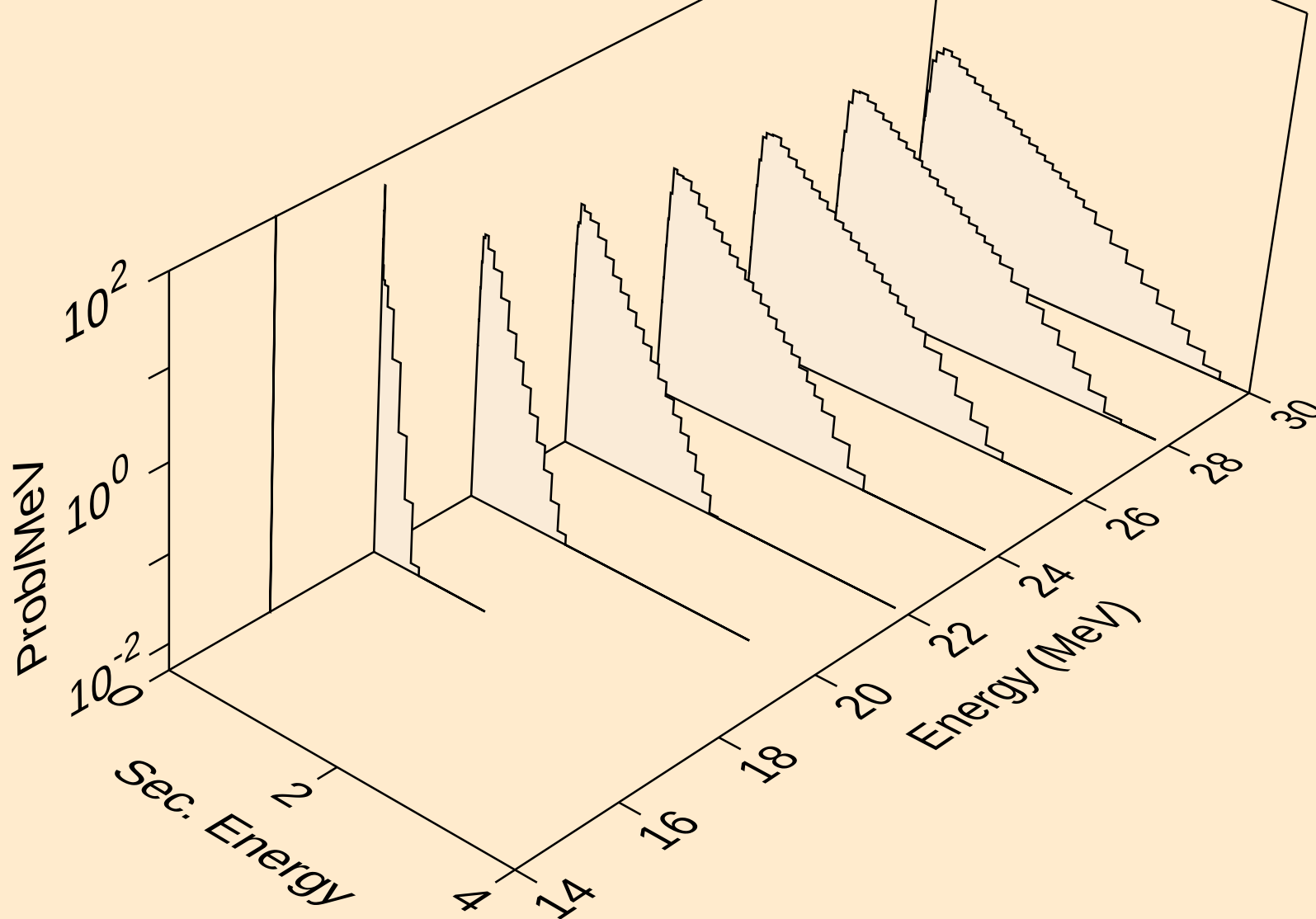
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neutrons from (a,3n)a



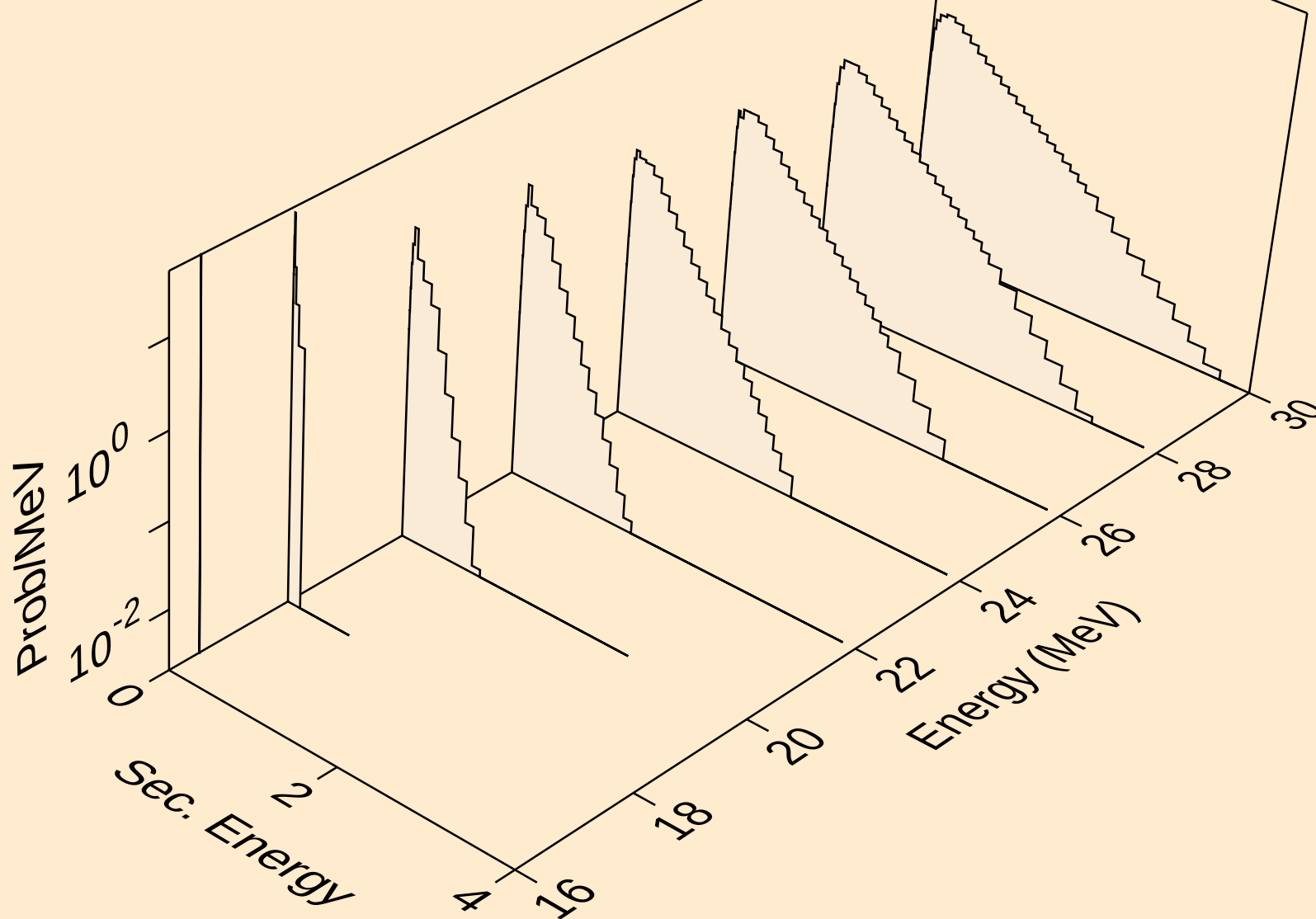
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



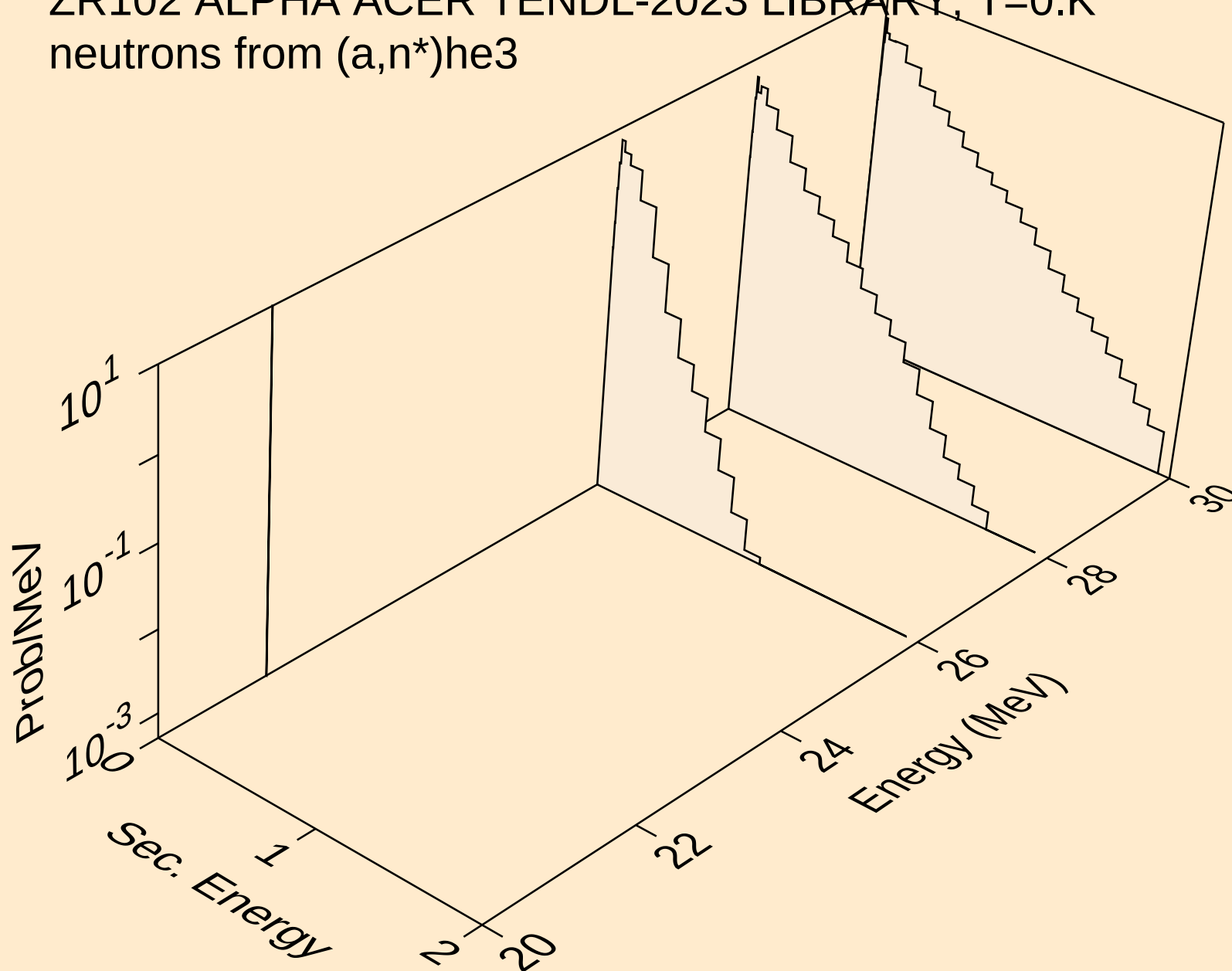
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neutrons from (a,n*)d



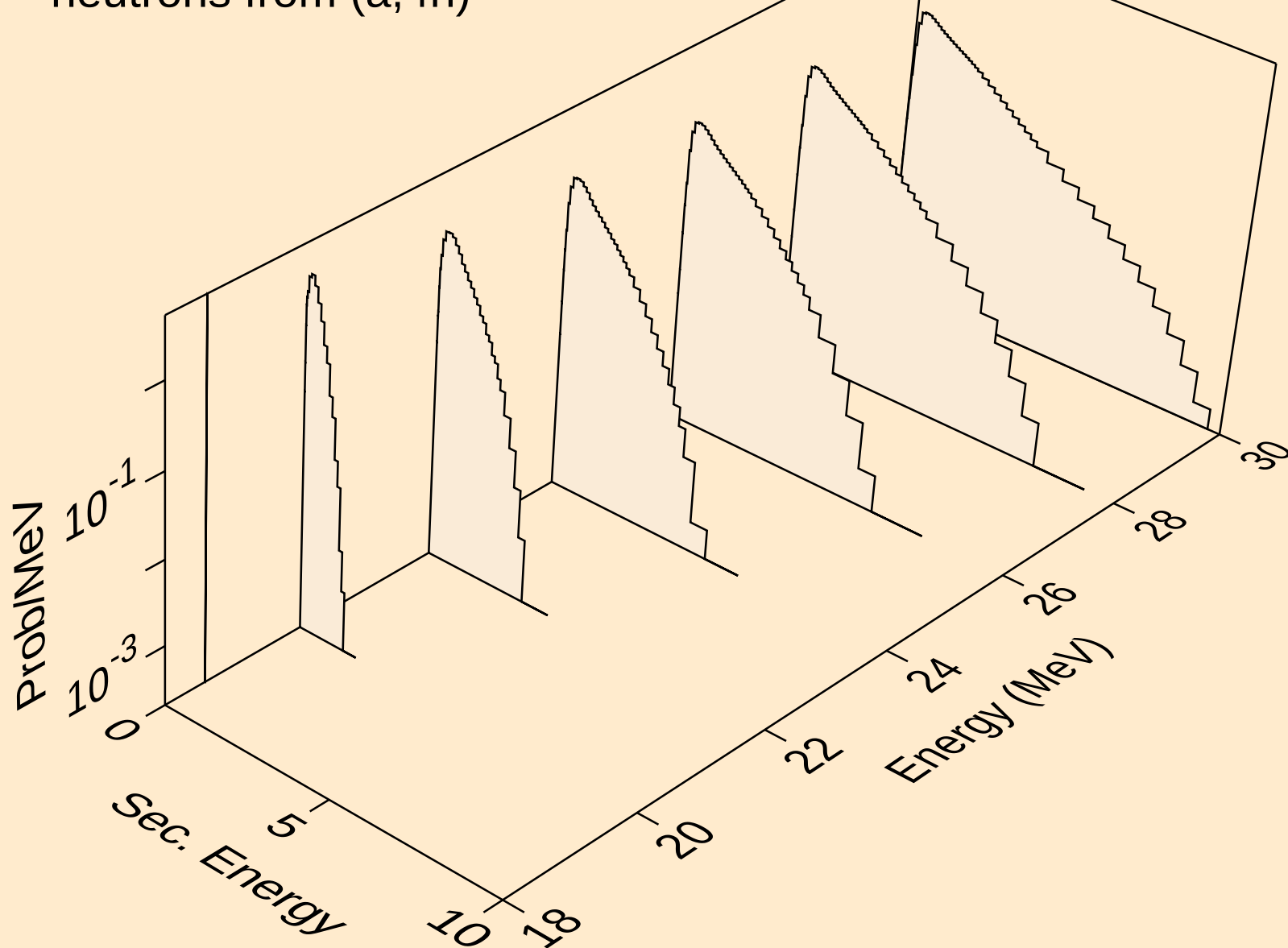
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neutrons from (a,n*)t



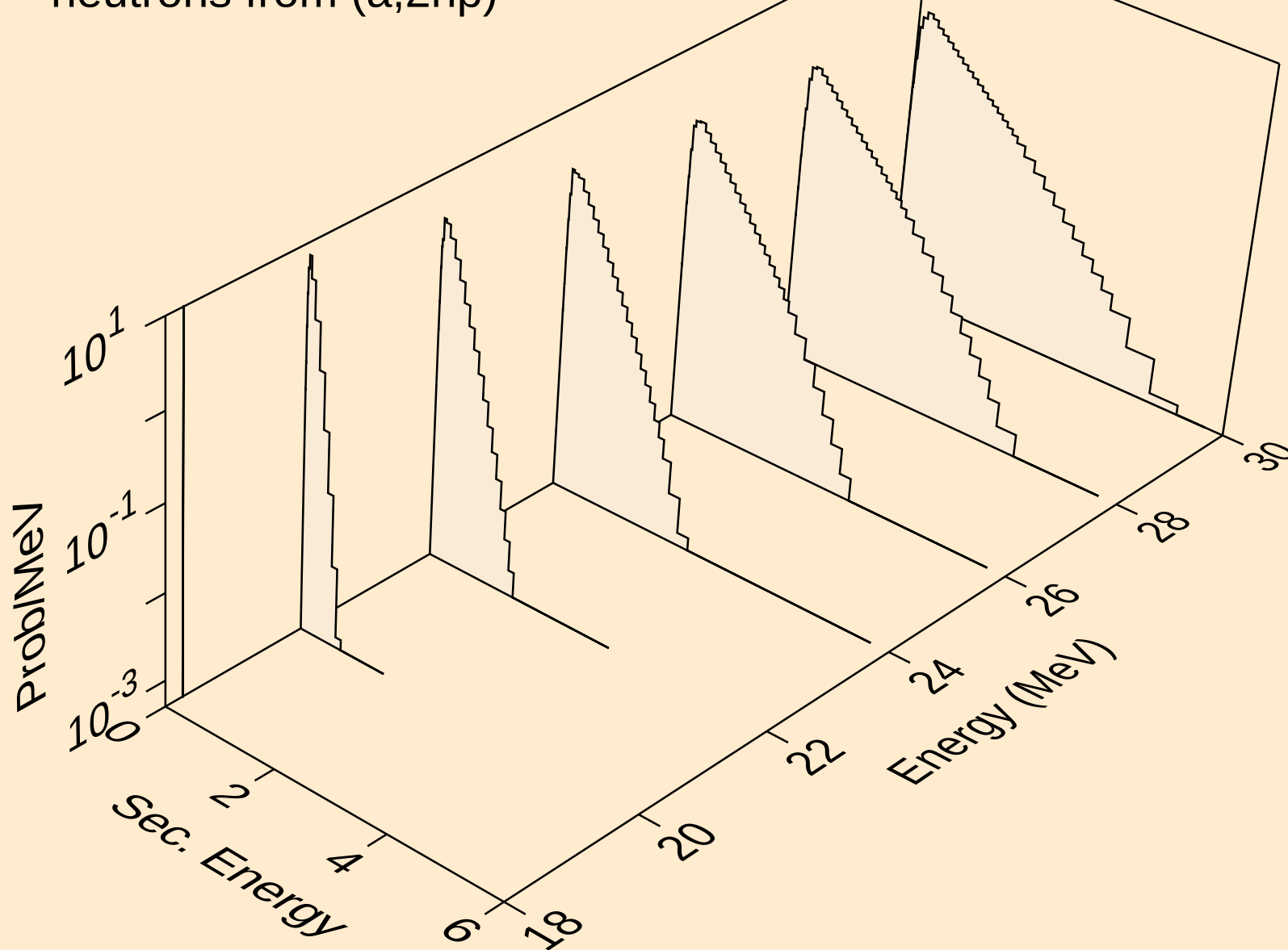
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)he3



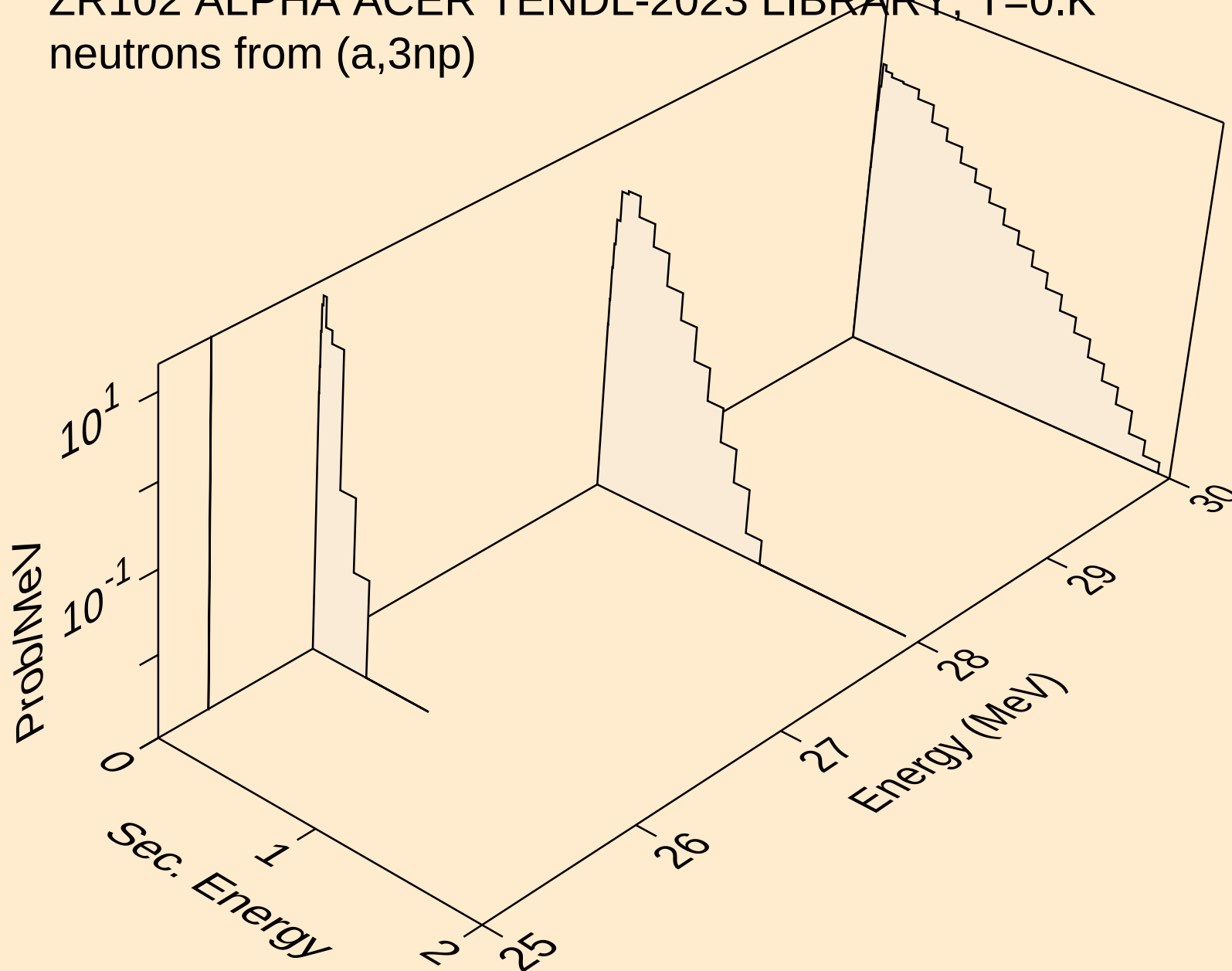
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,4n)



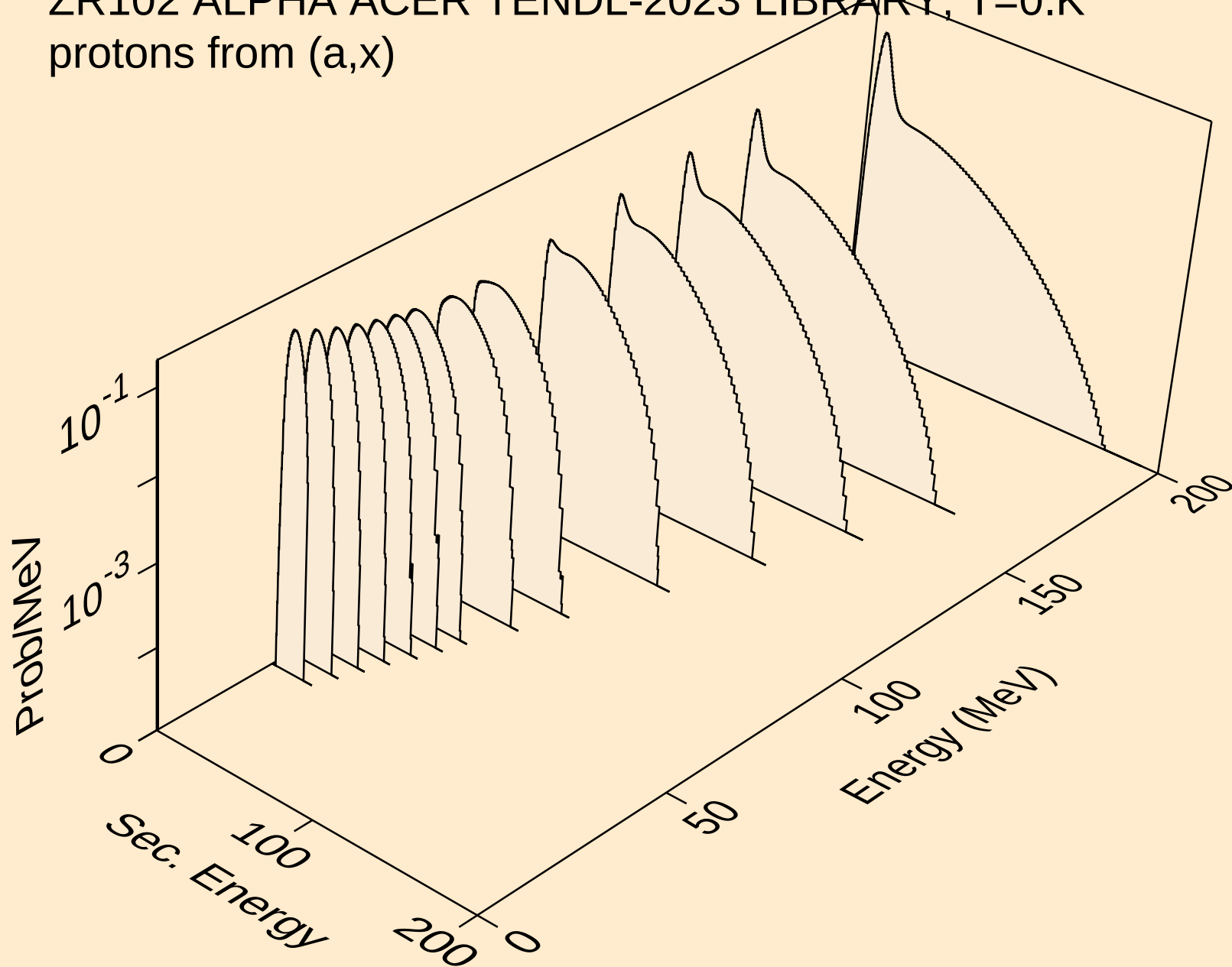
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neutrons from (a,2np)



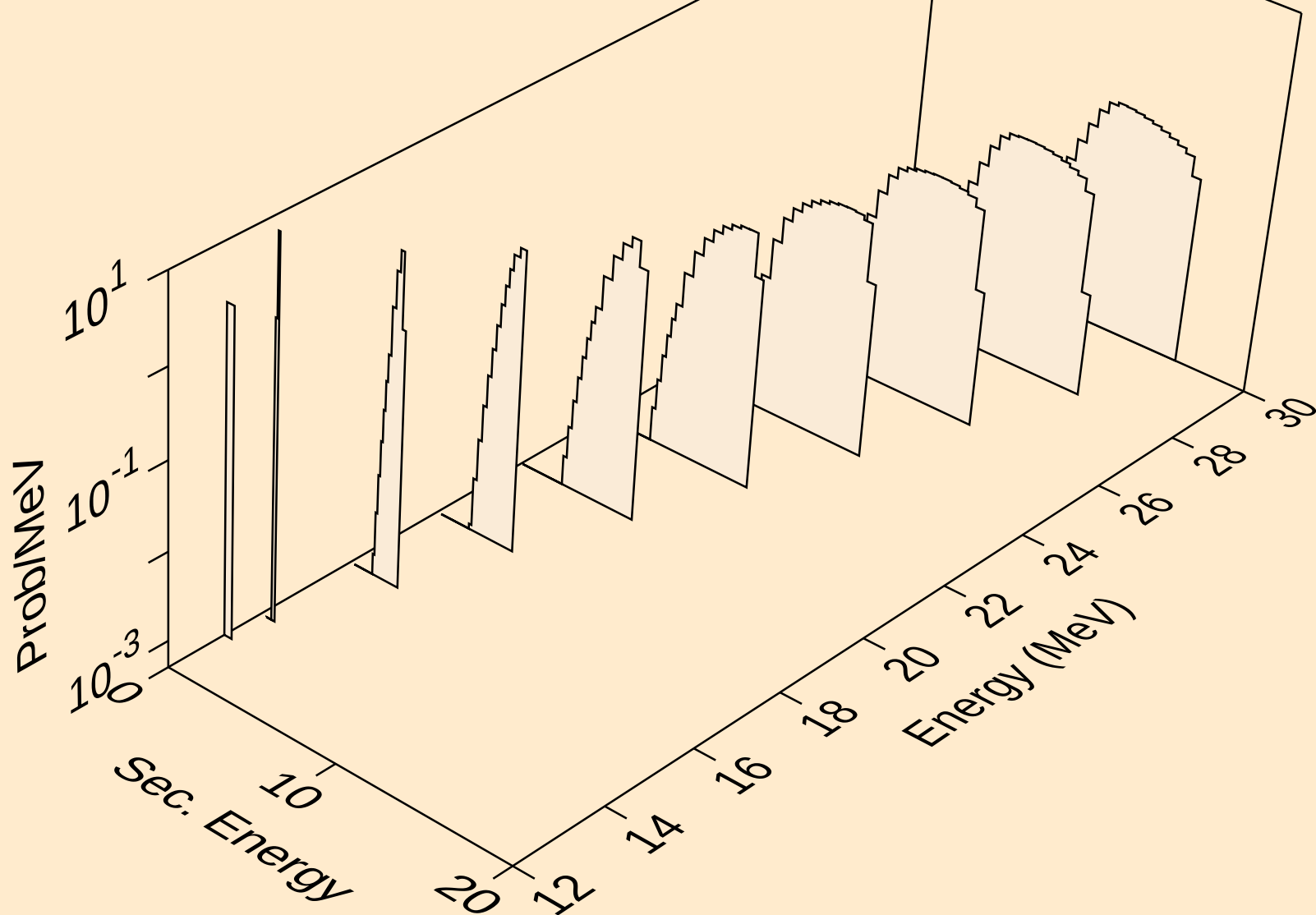
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neutrons from (a,3np)



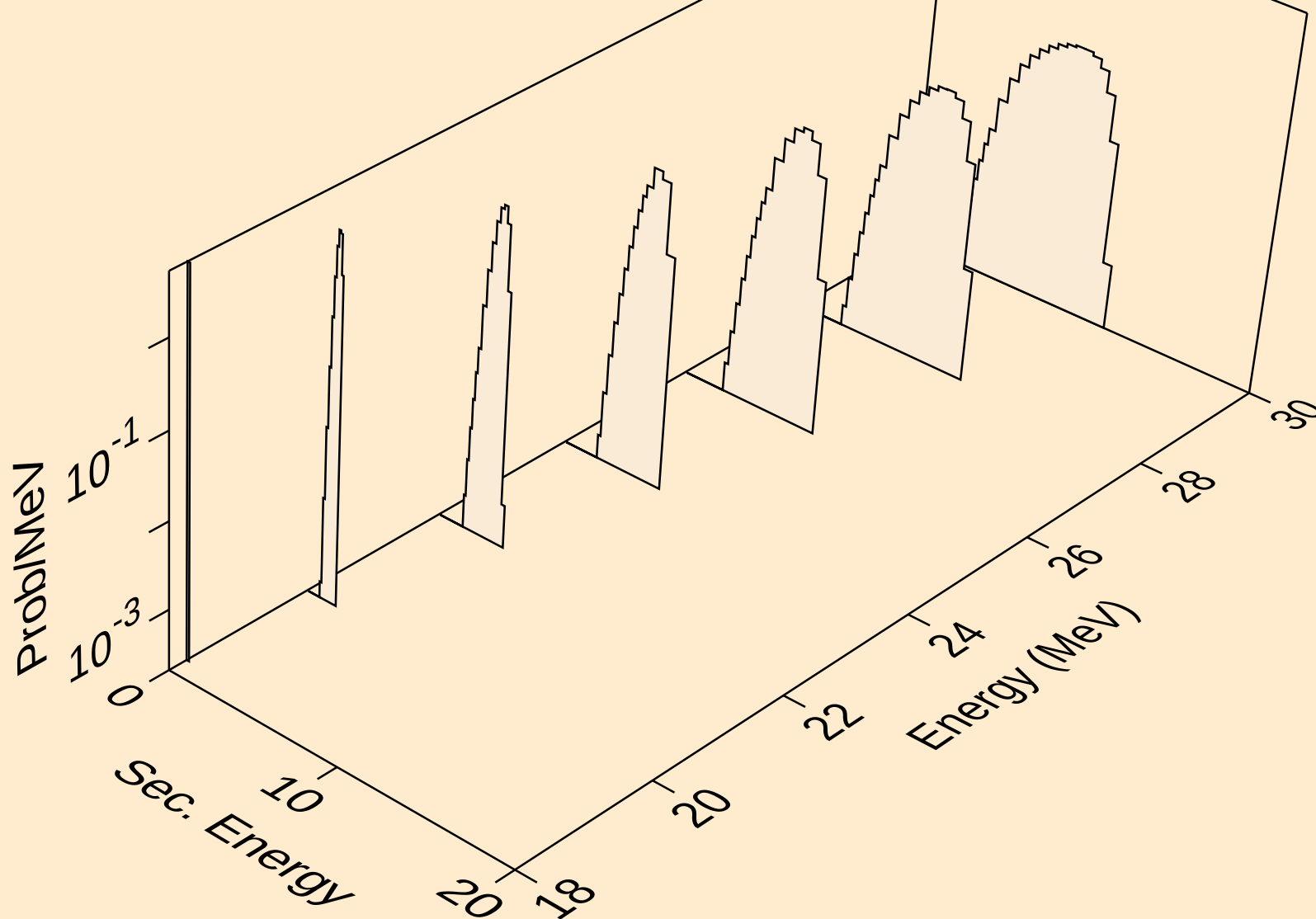
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protons from (a,x)



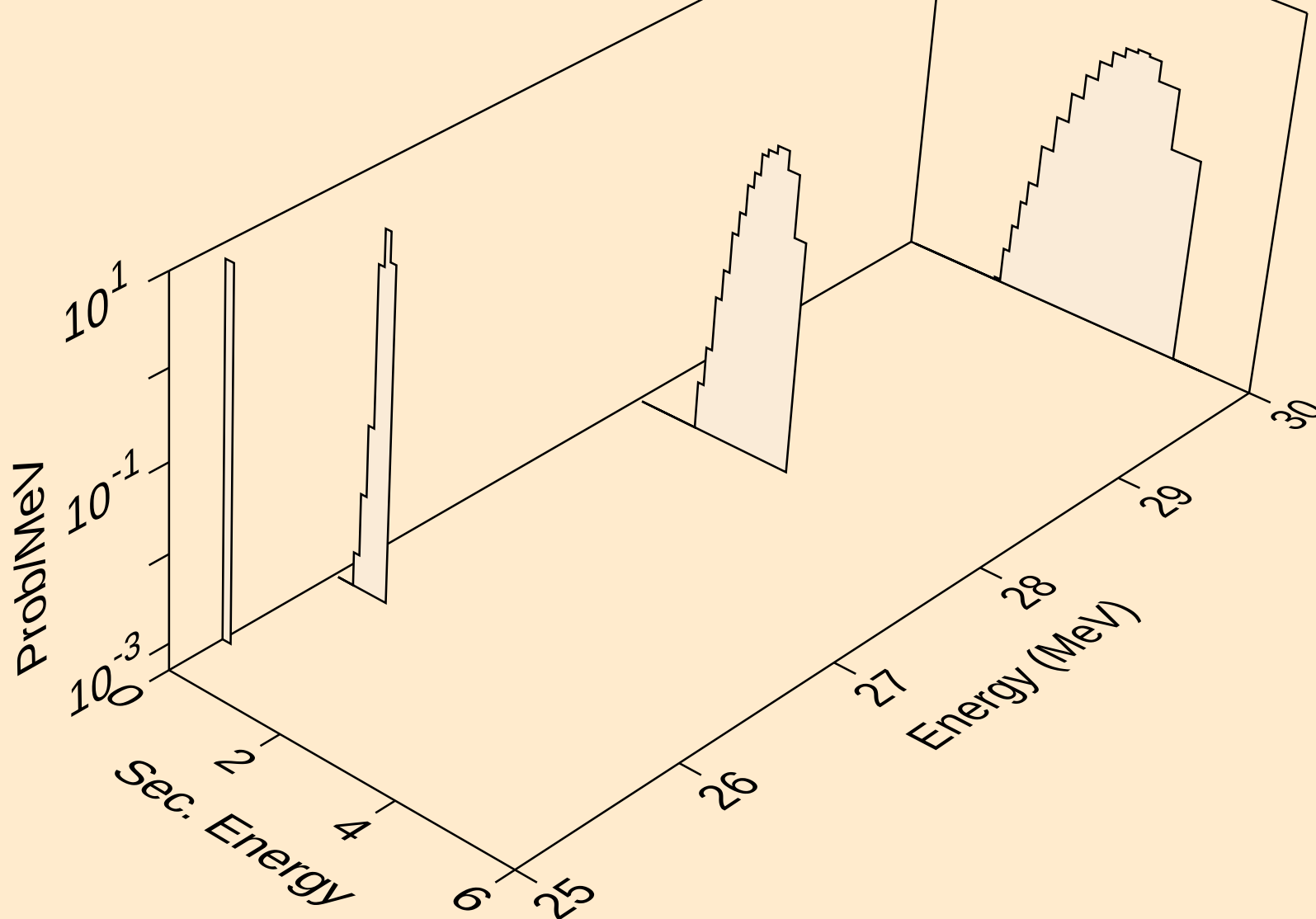
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protons from (a,n*)p



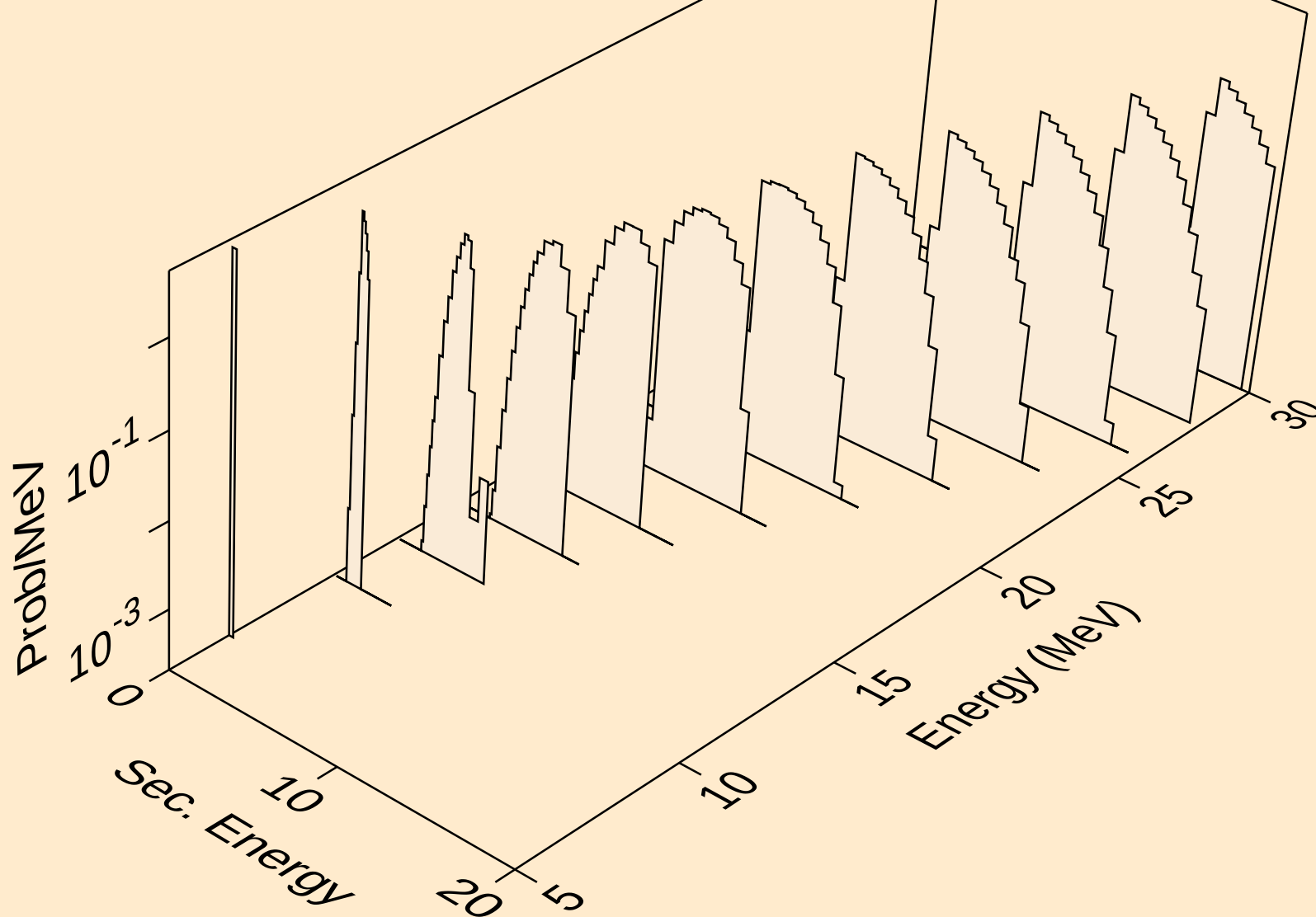
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protons from (a,2np)



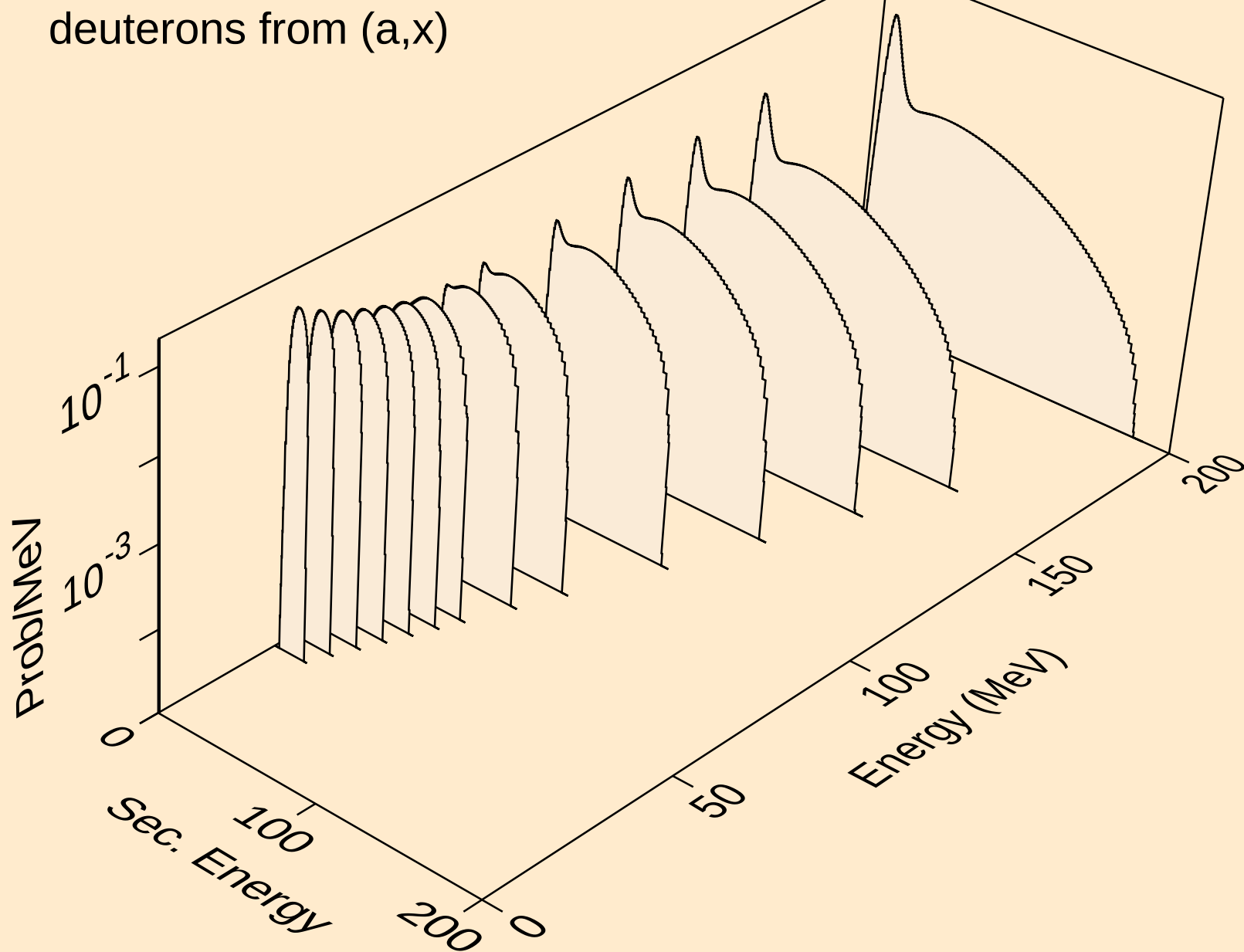
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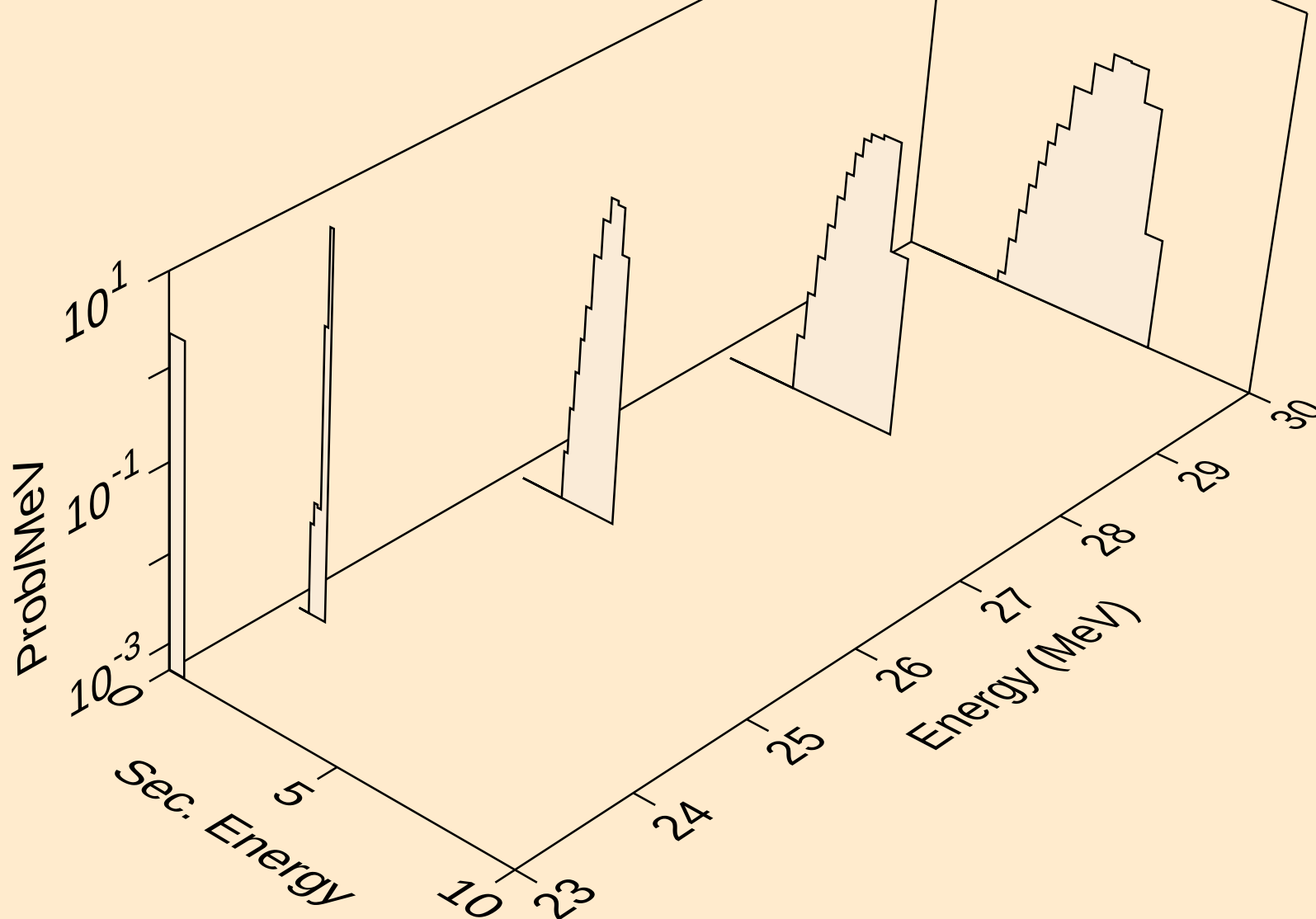
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protons from (a,p)



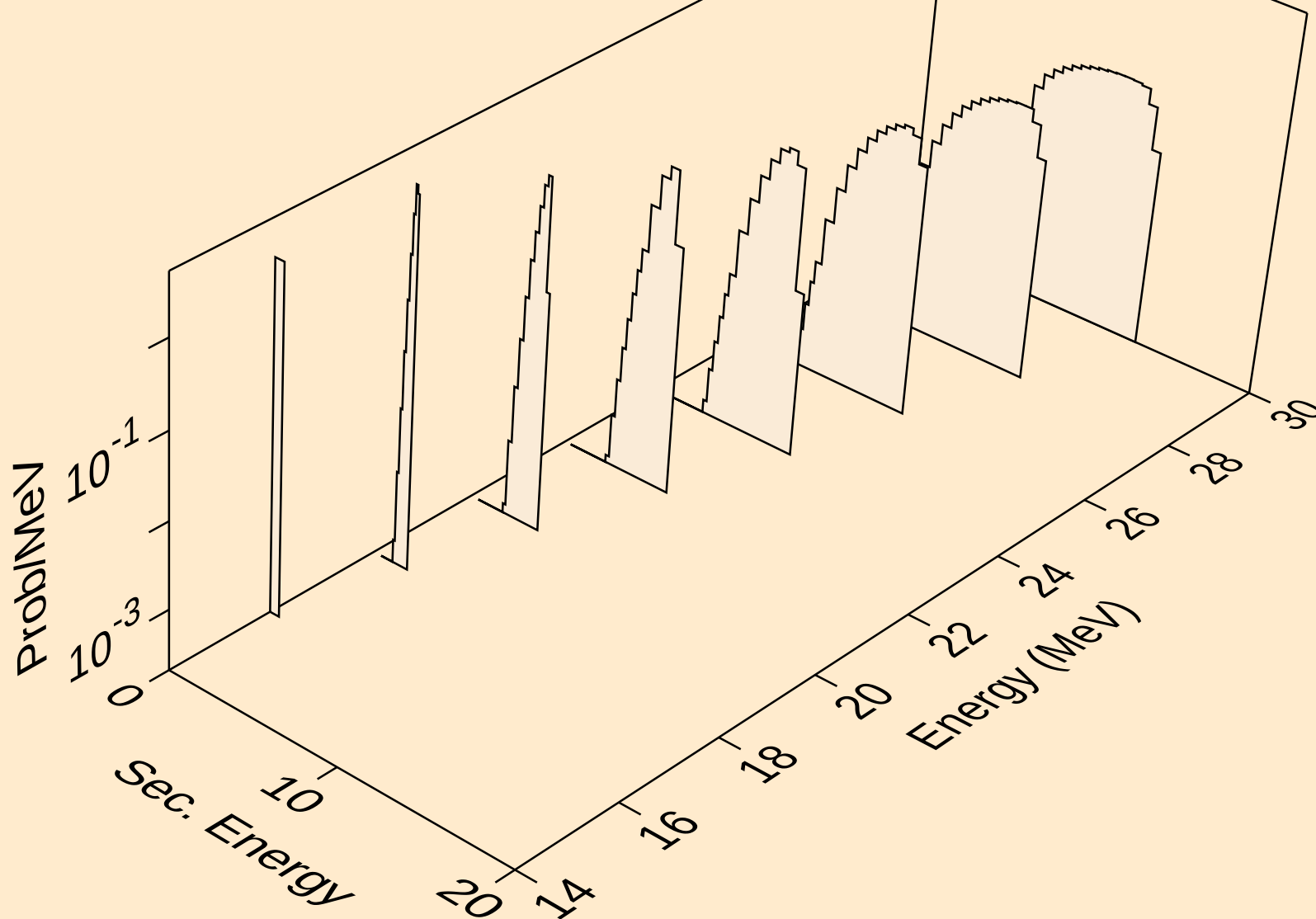
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



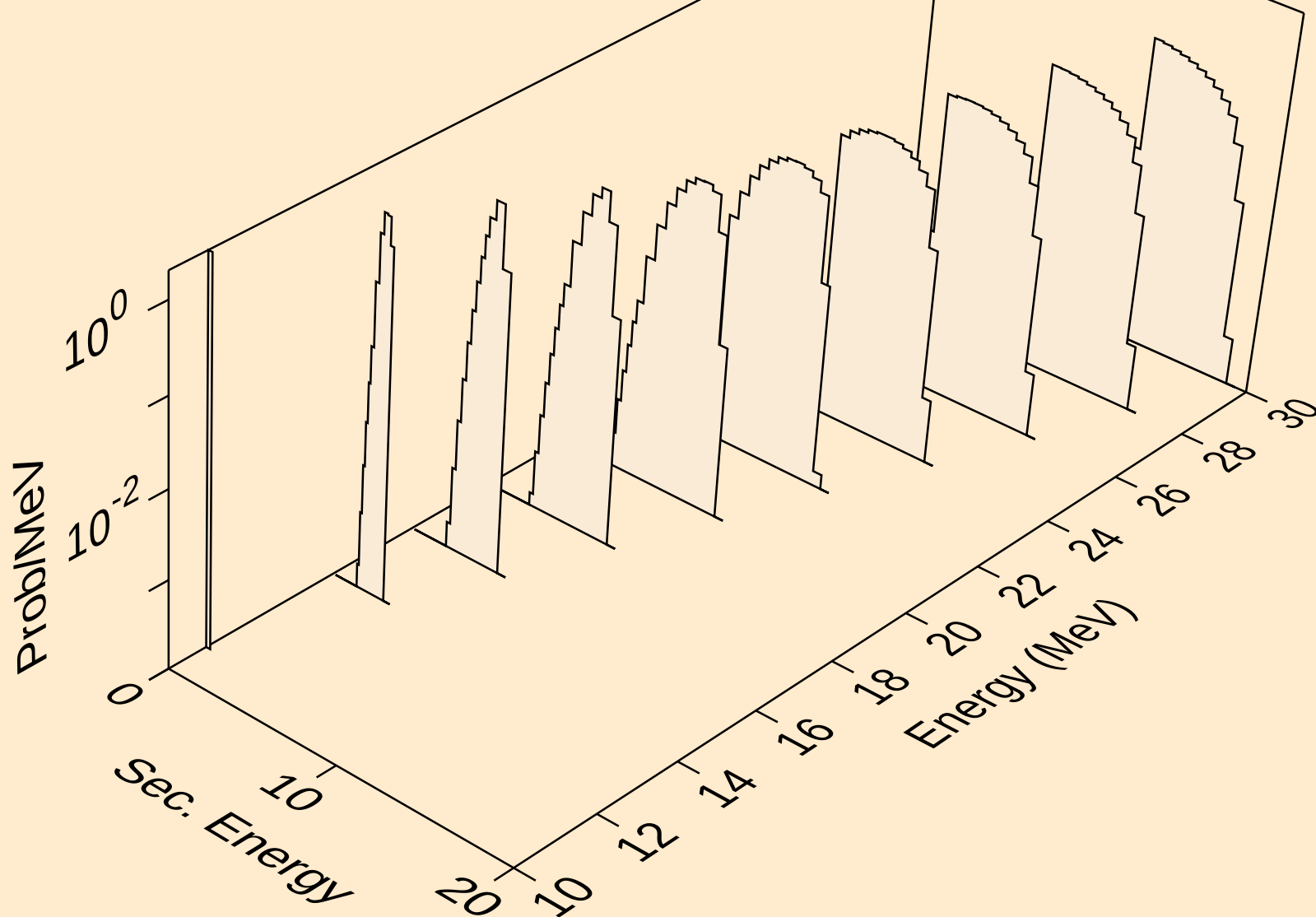
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deuterons from (a,2nd)



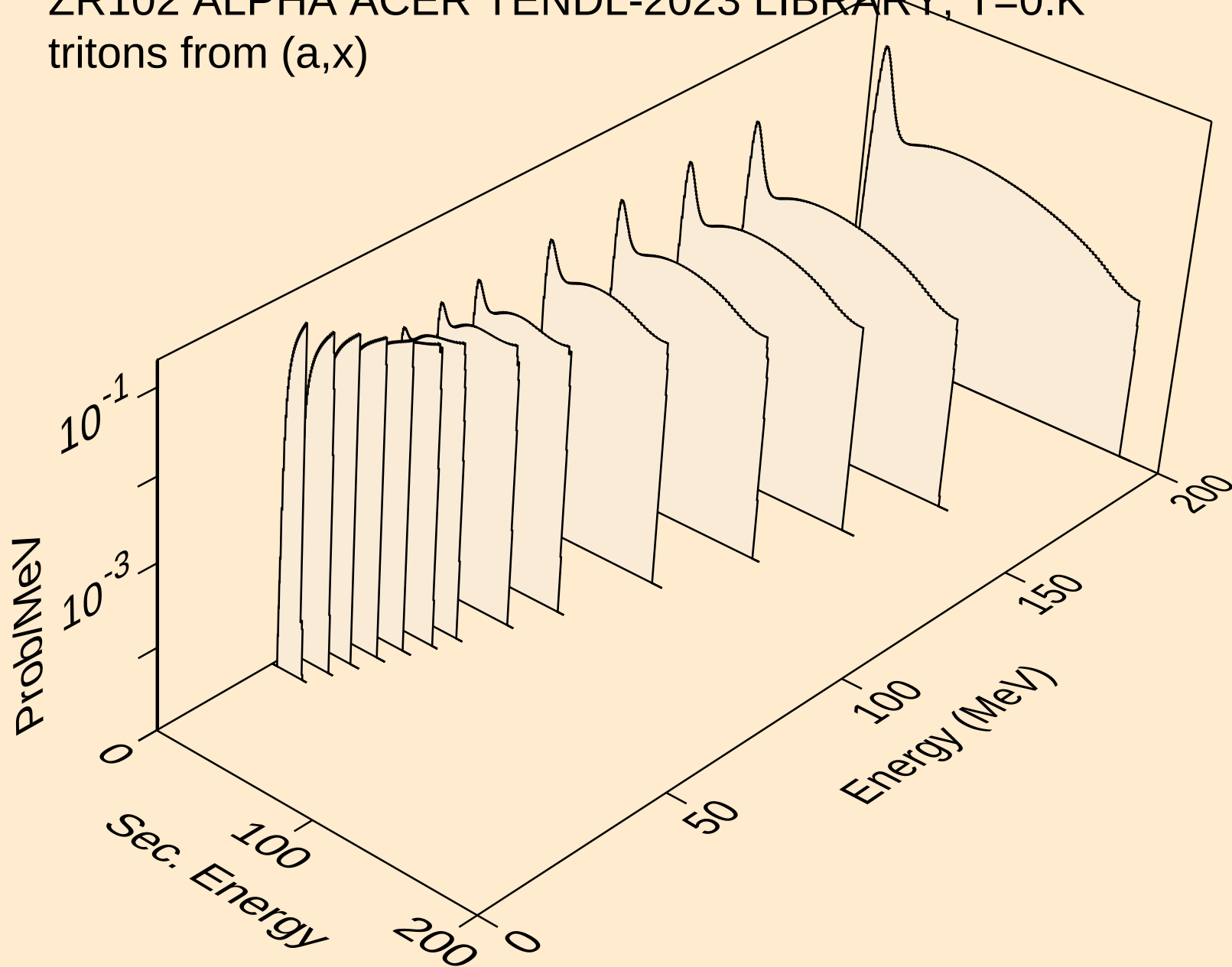
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deuterons from (a,n*)d



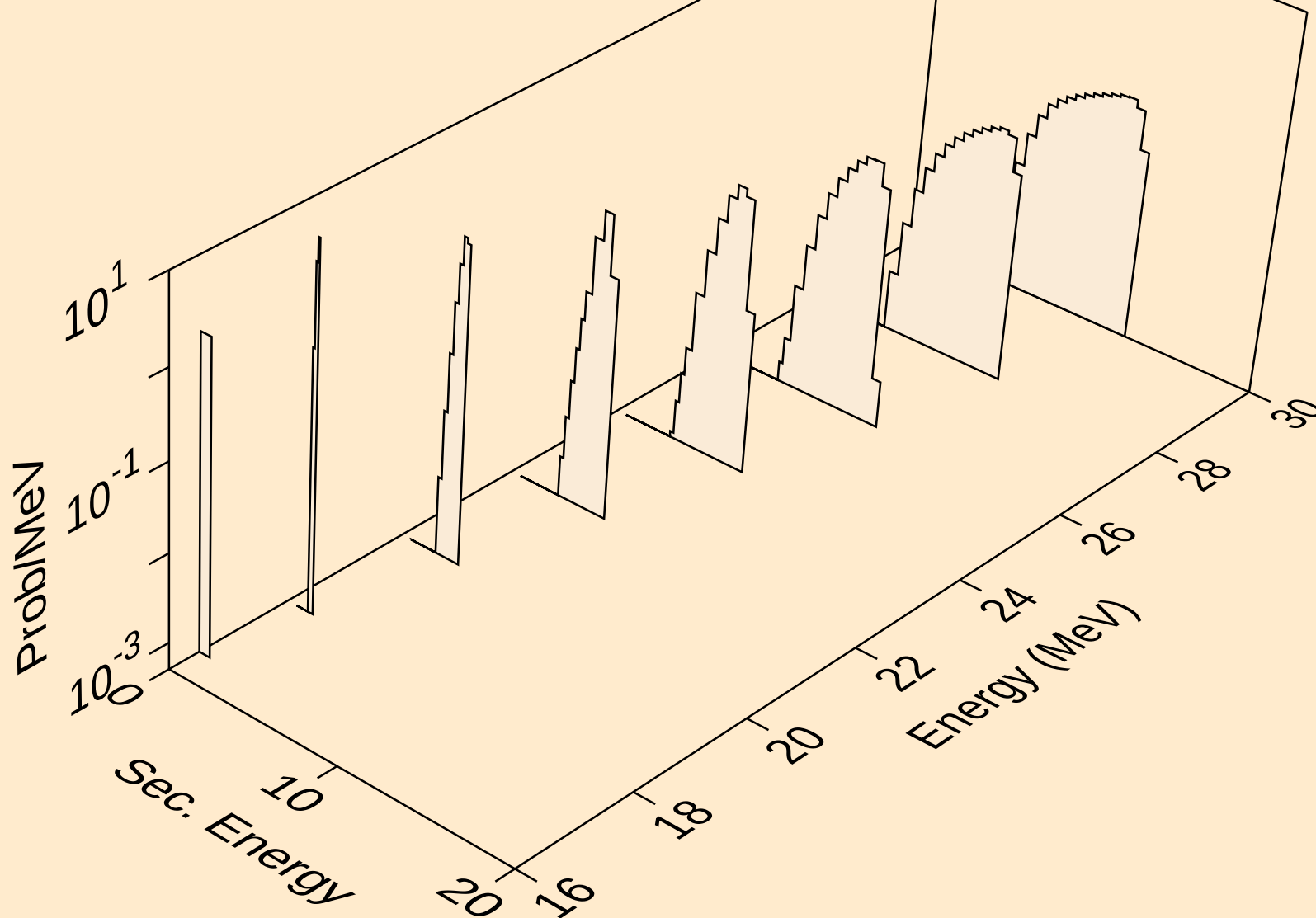
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deuterons from (a,d)



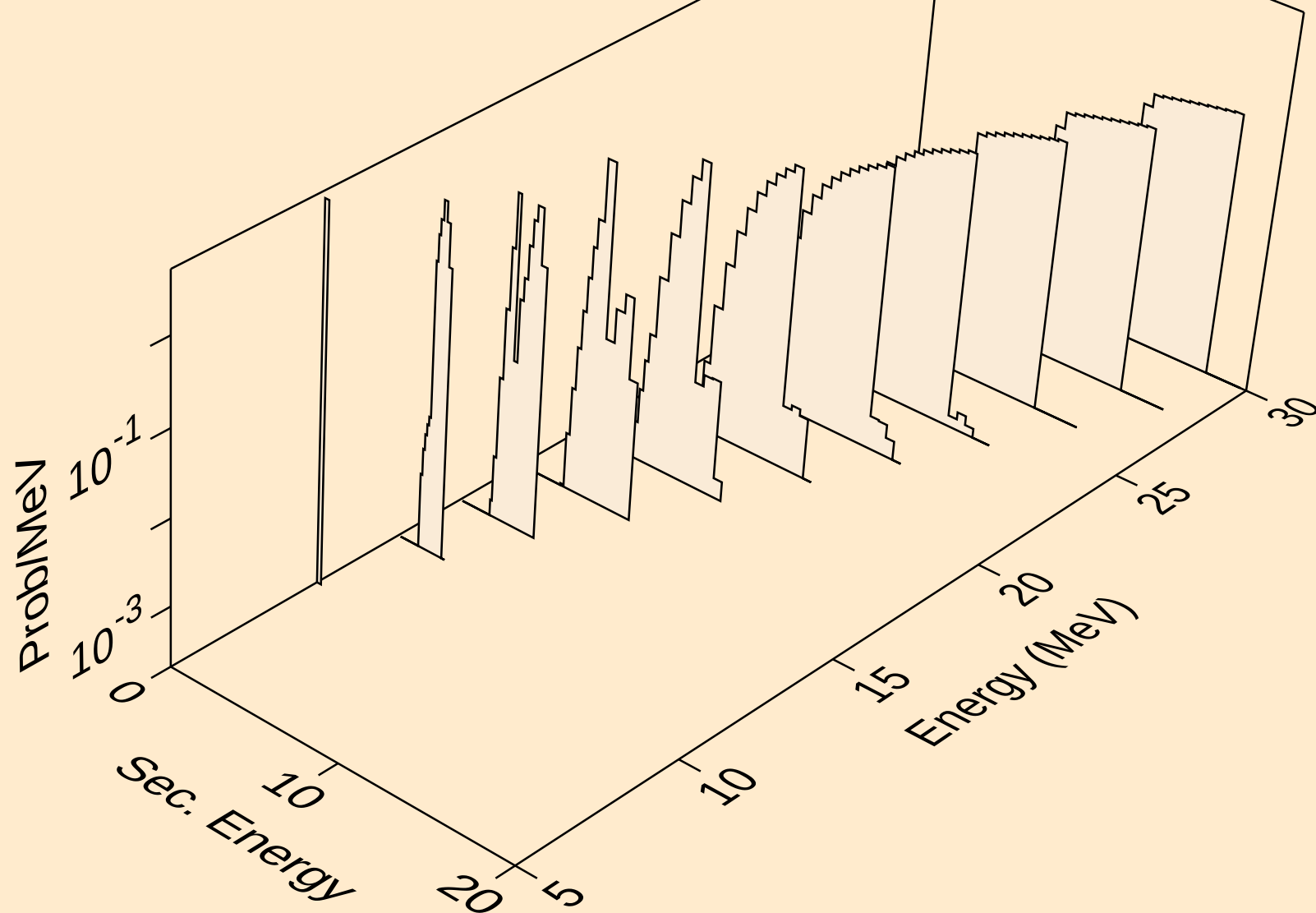
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tritons from (a,x)



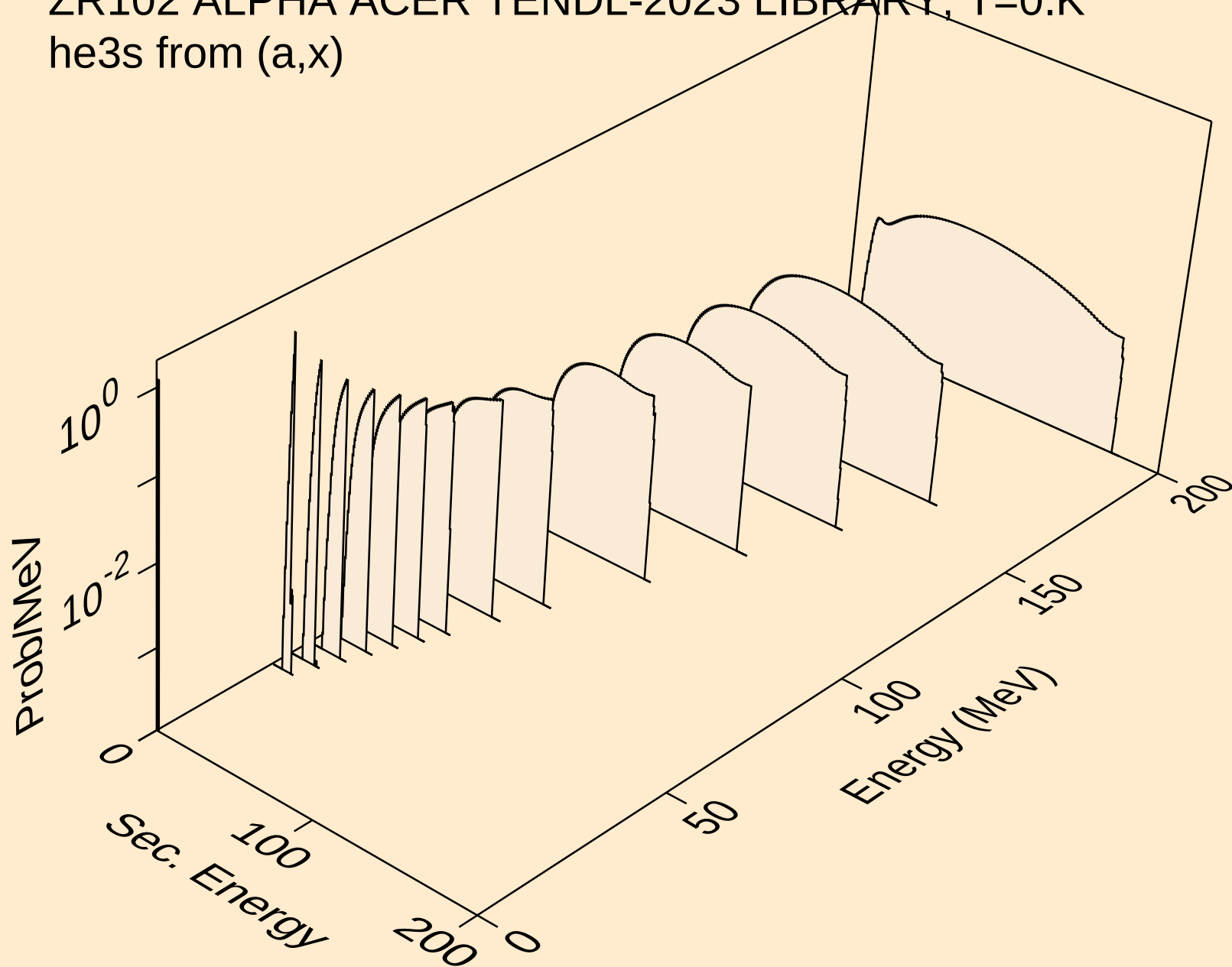
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tritons from (a,n*)t



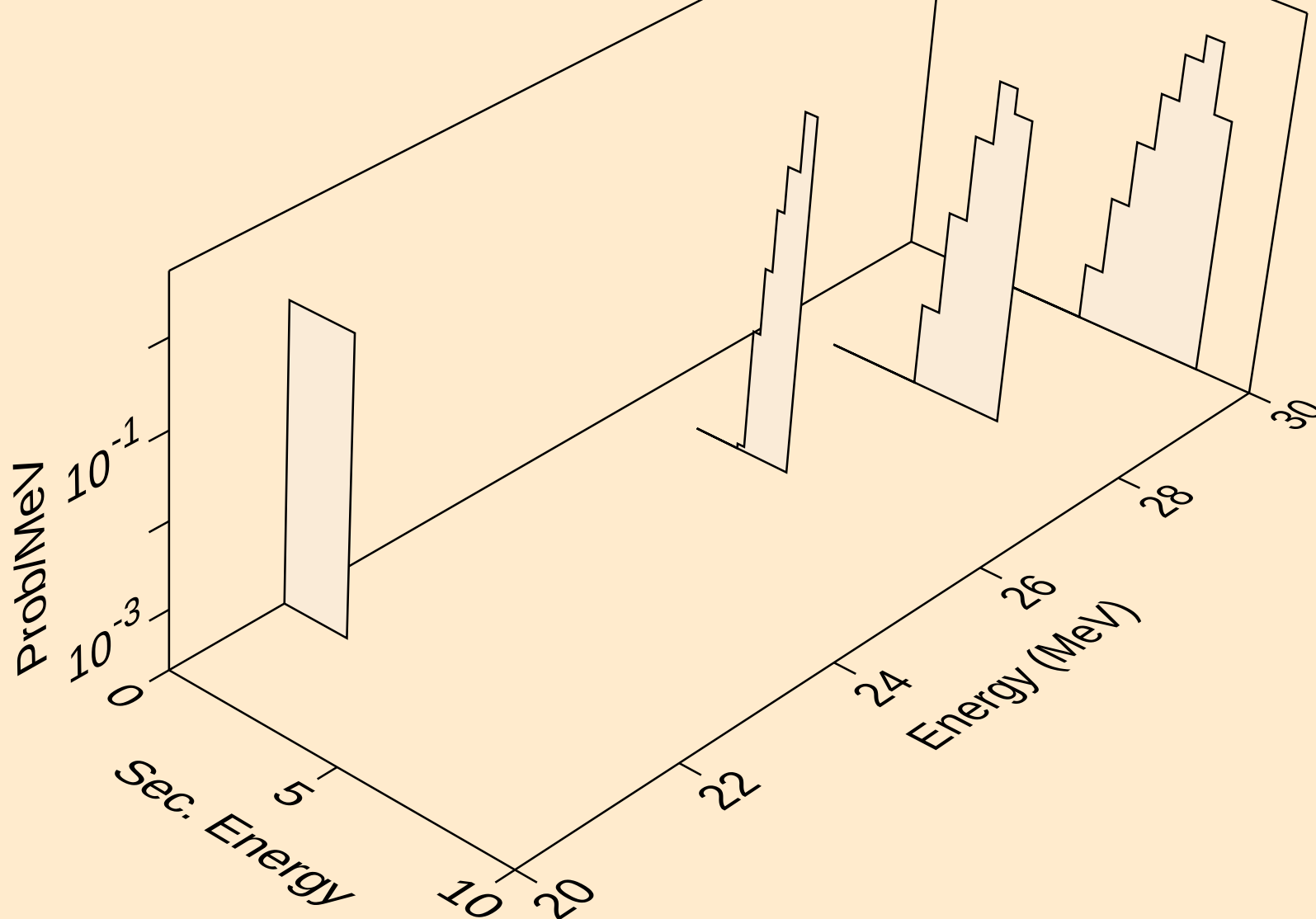
ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,n*)he3



ZR102 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

