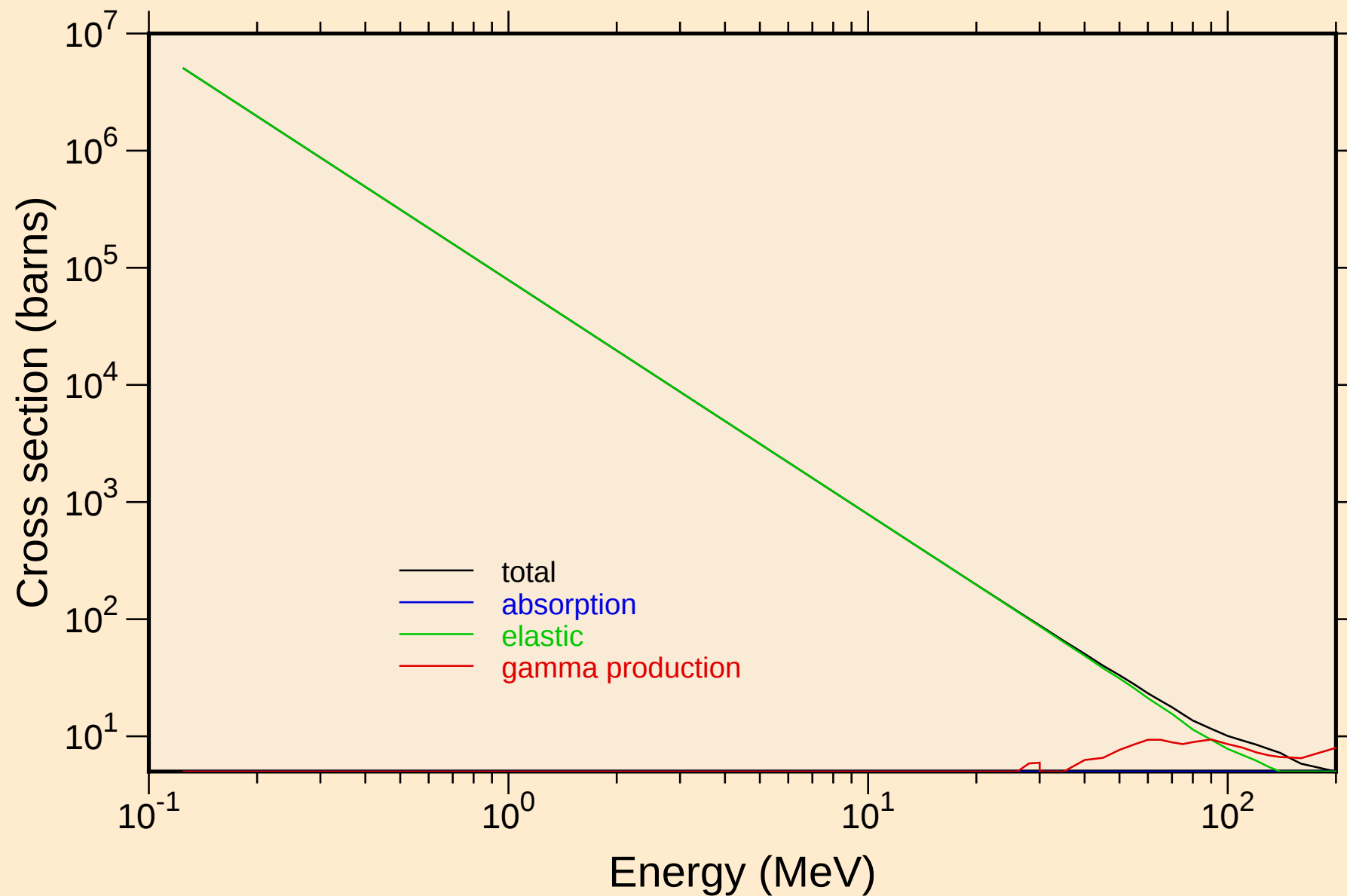


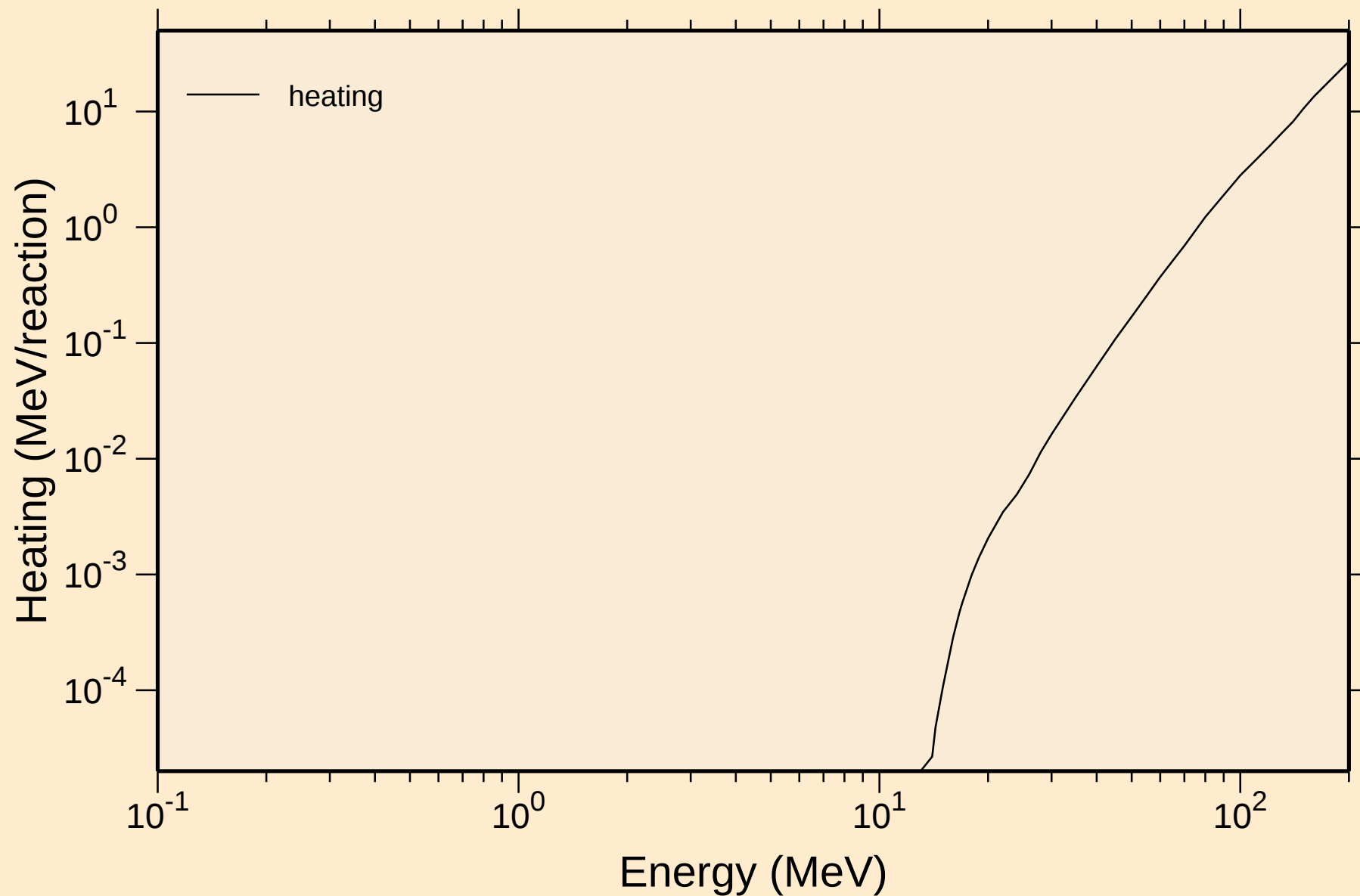
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



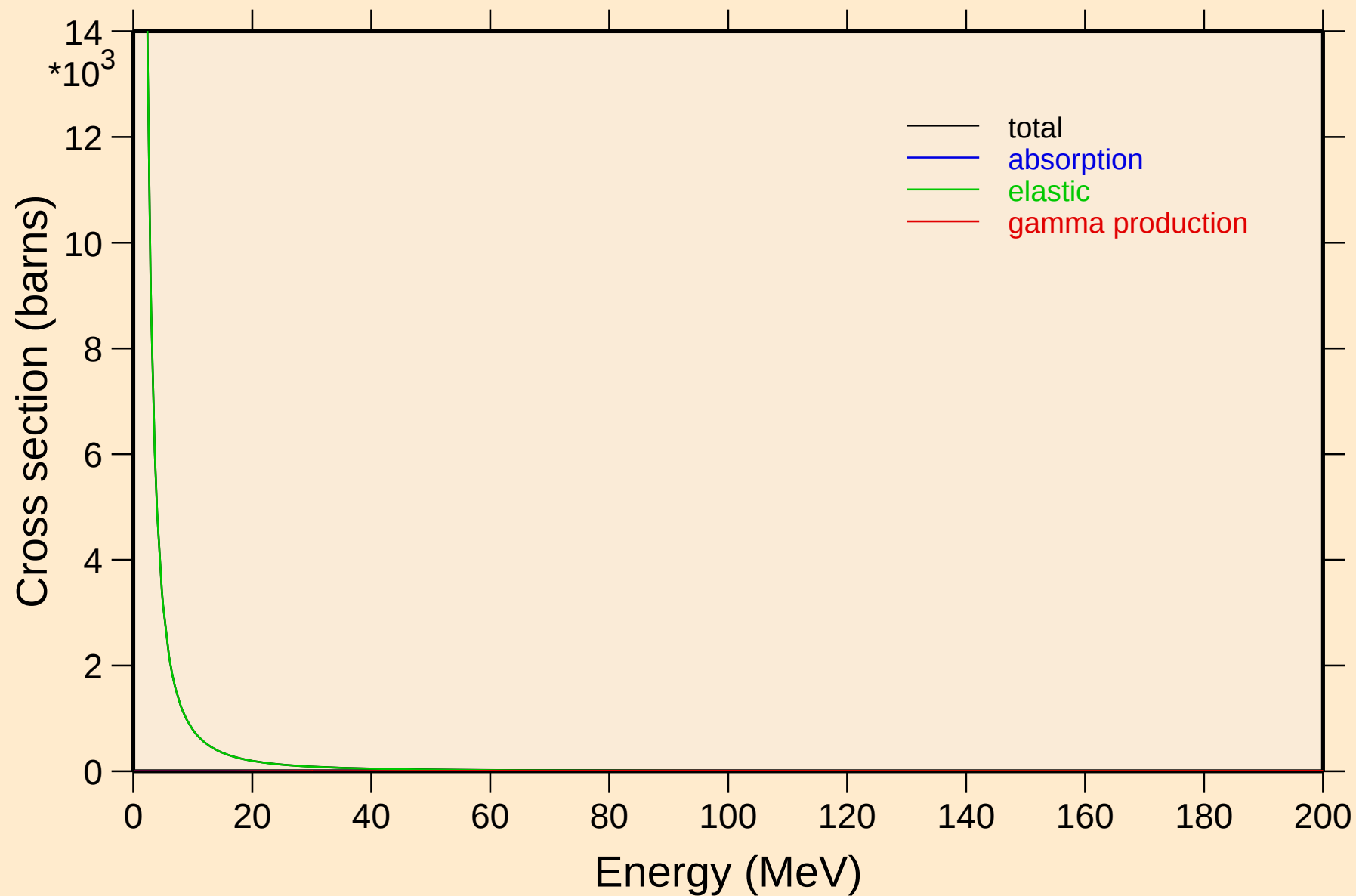
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



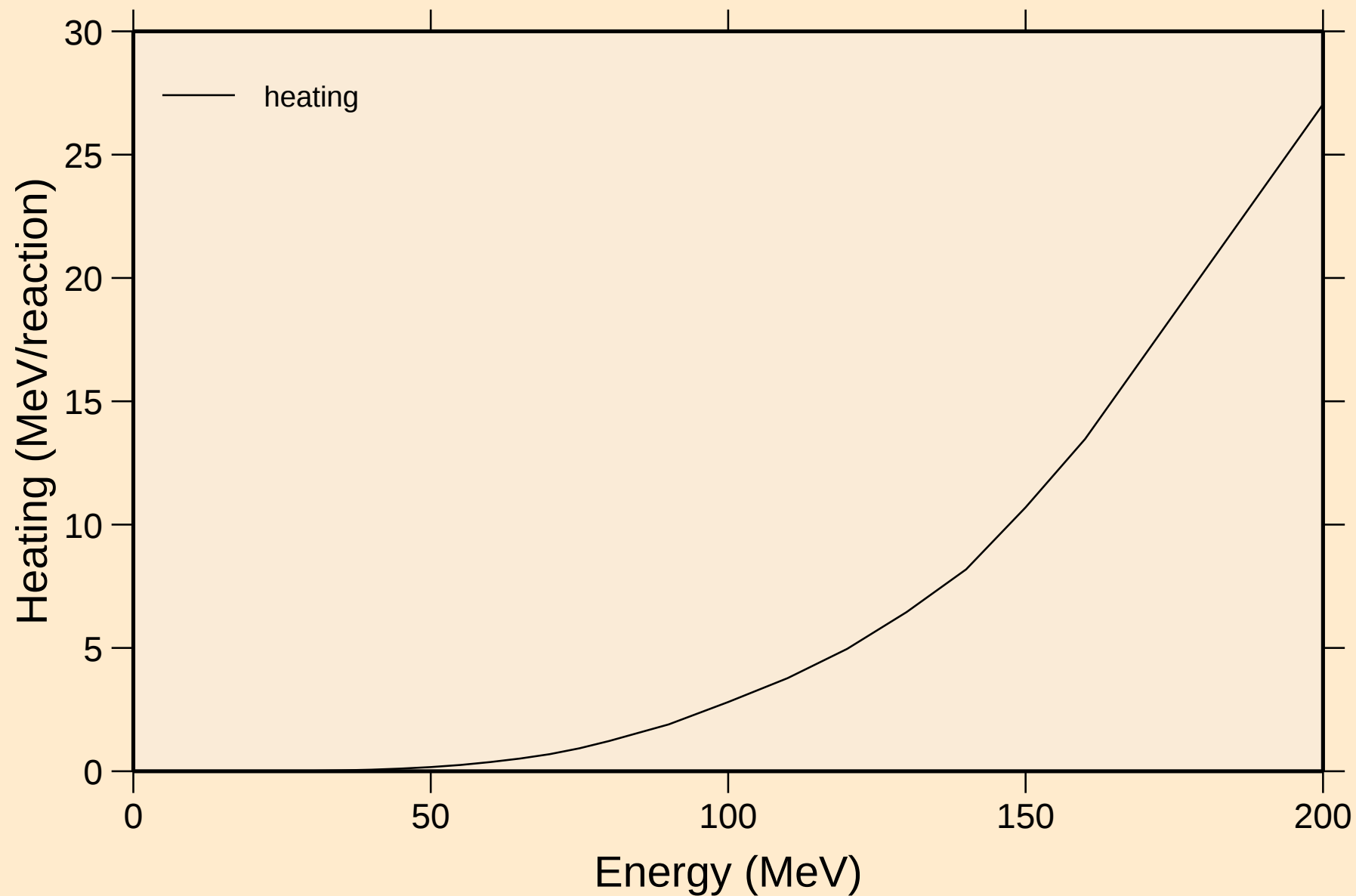
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



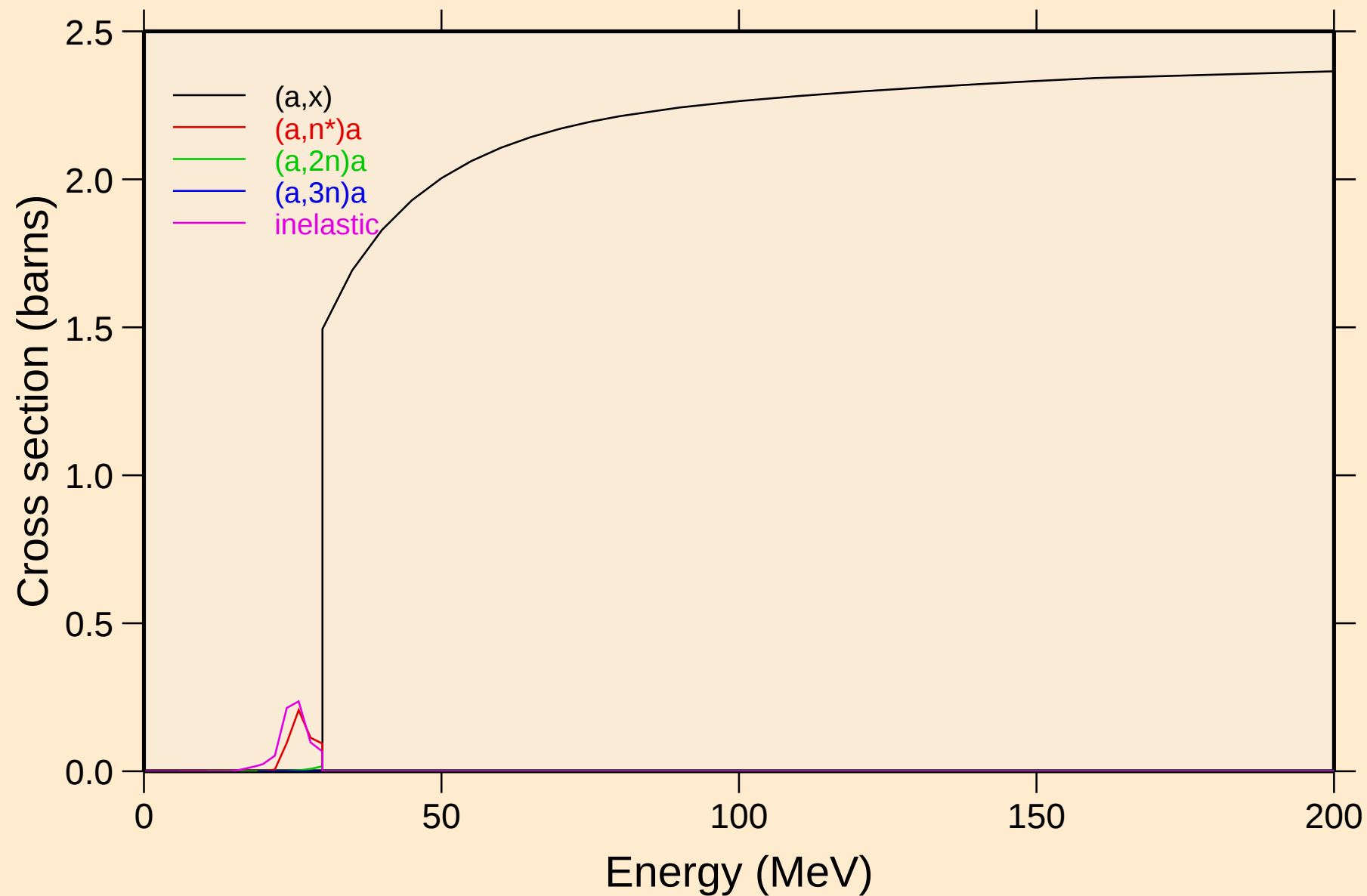
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



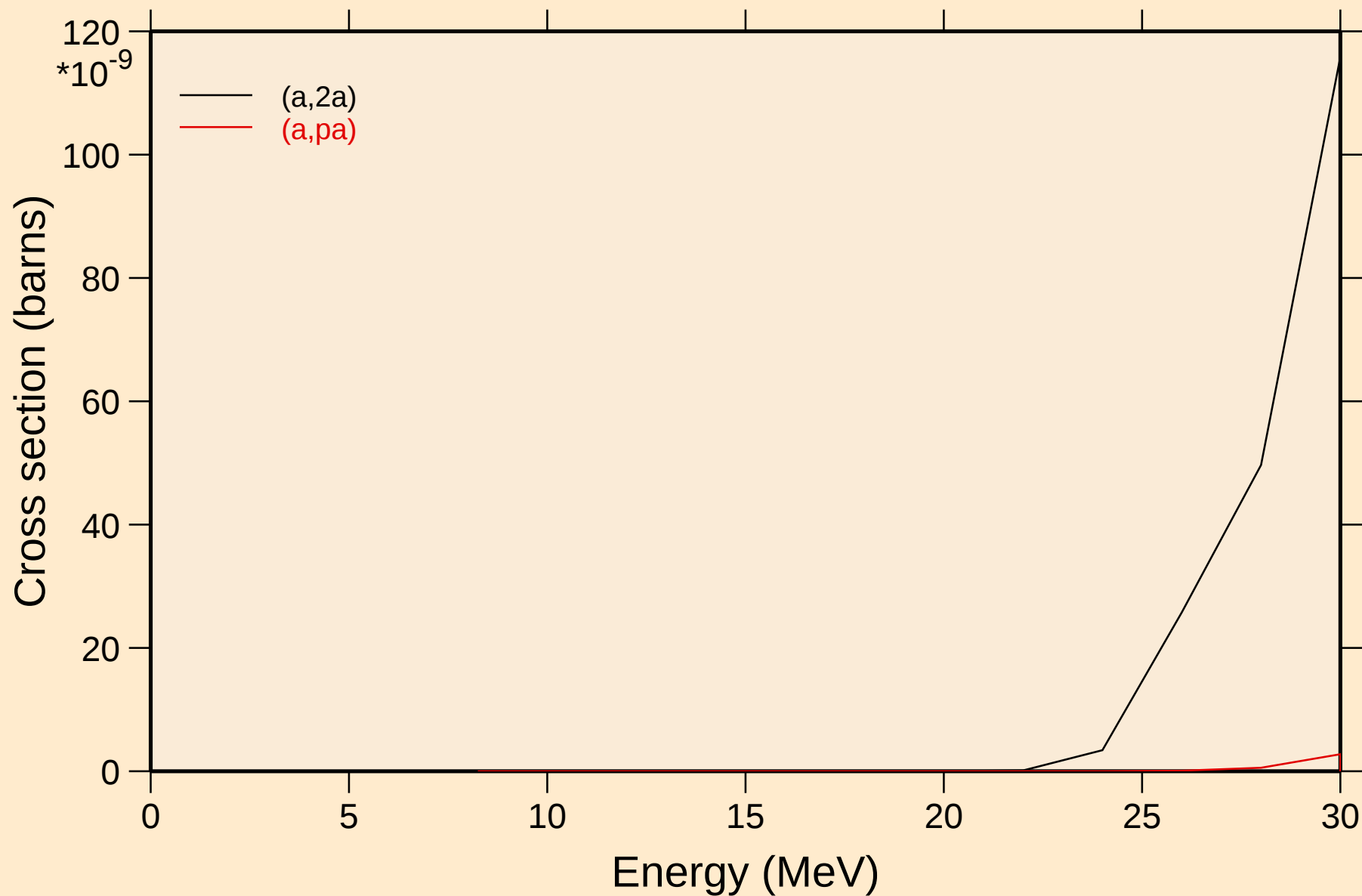
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

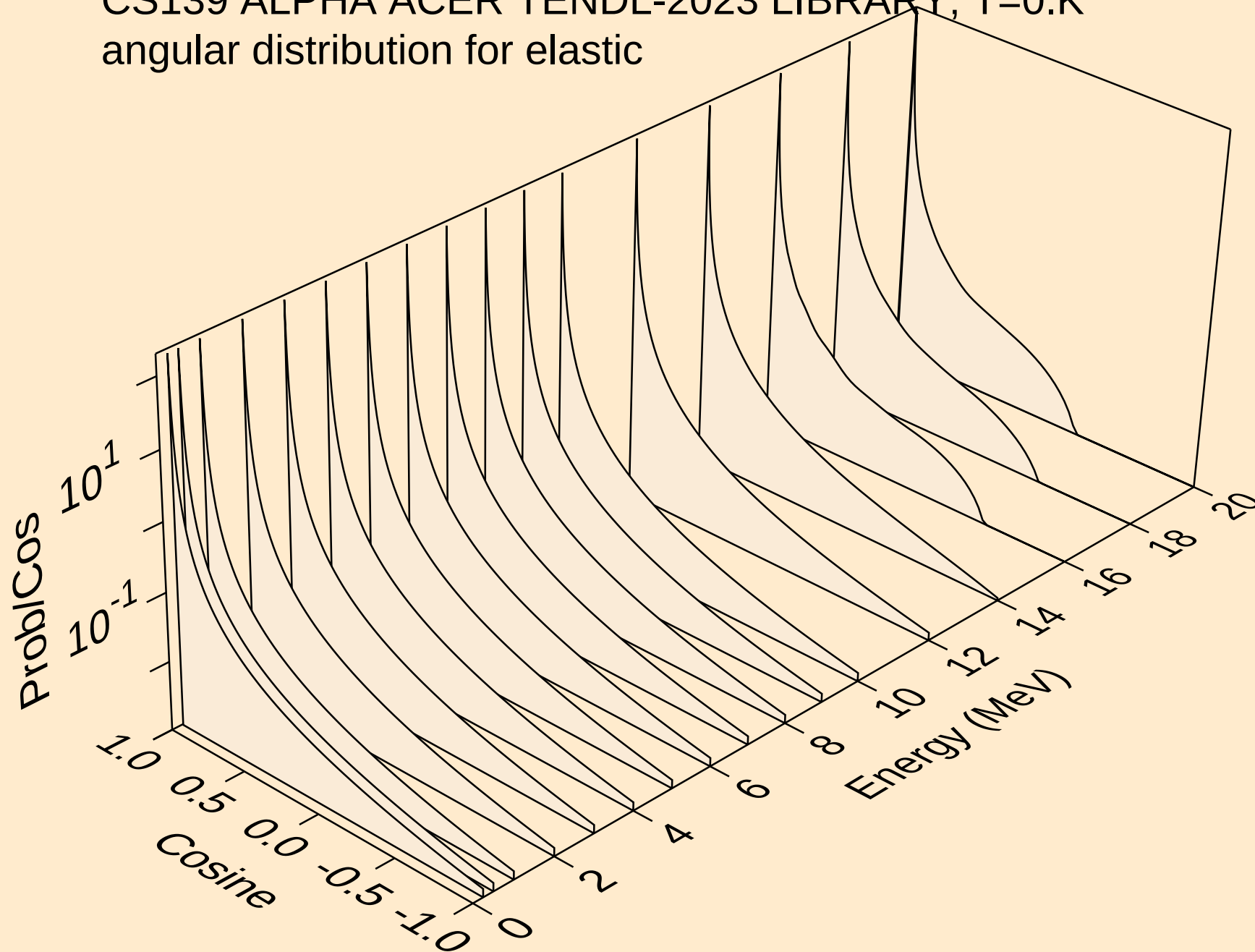


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

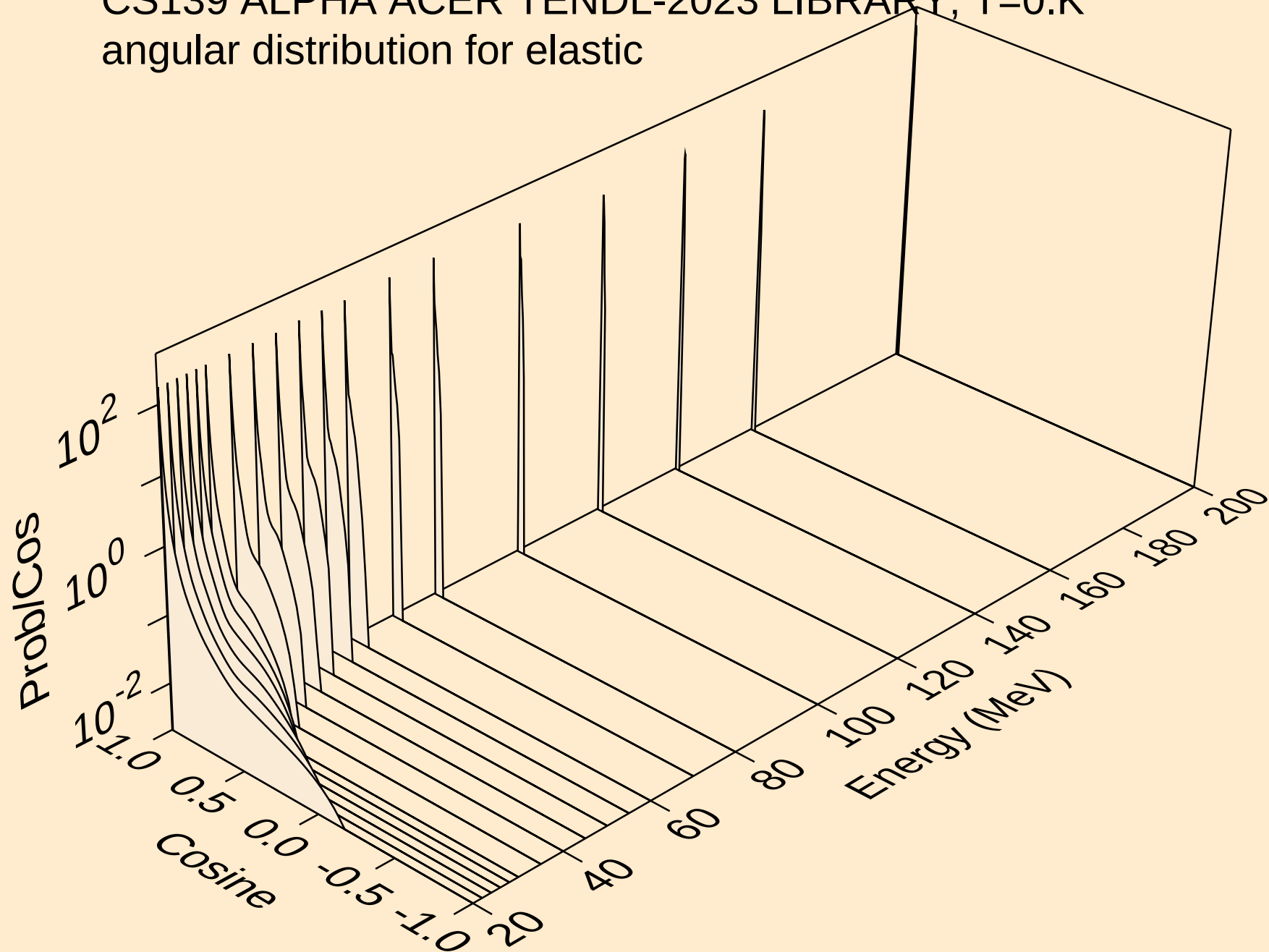
Threshold reactions



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

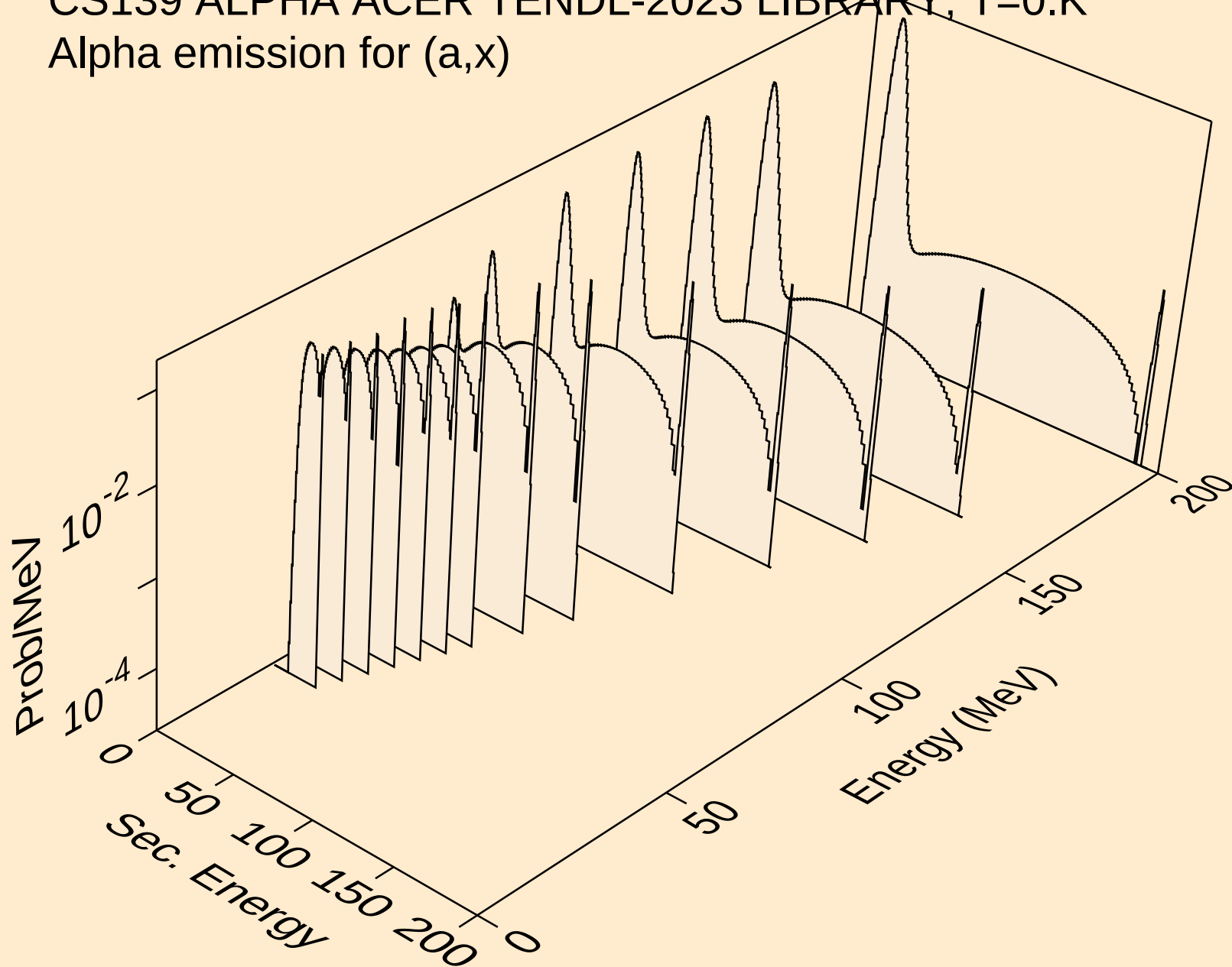


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



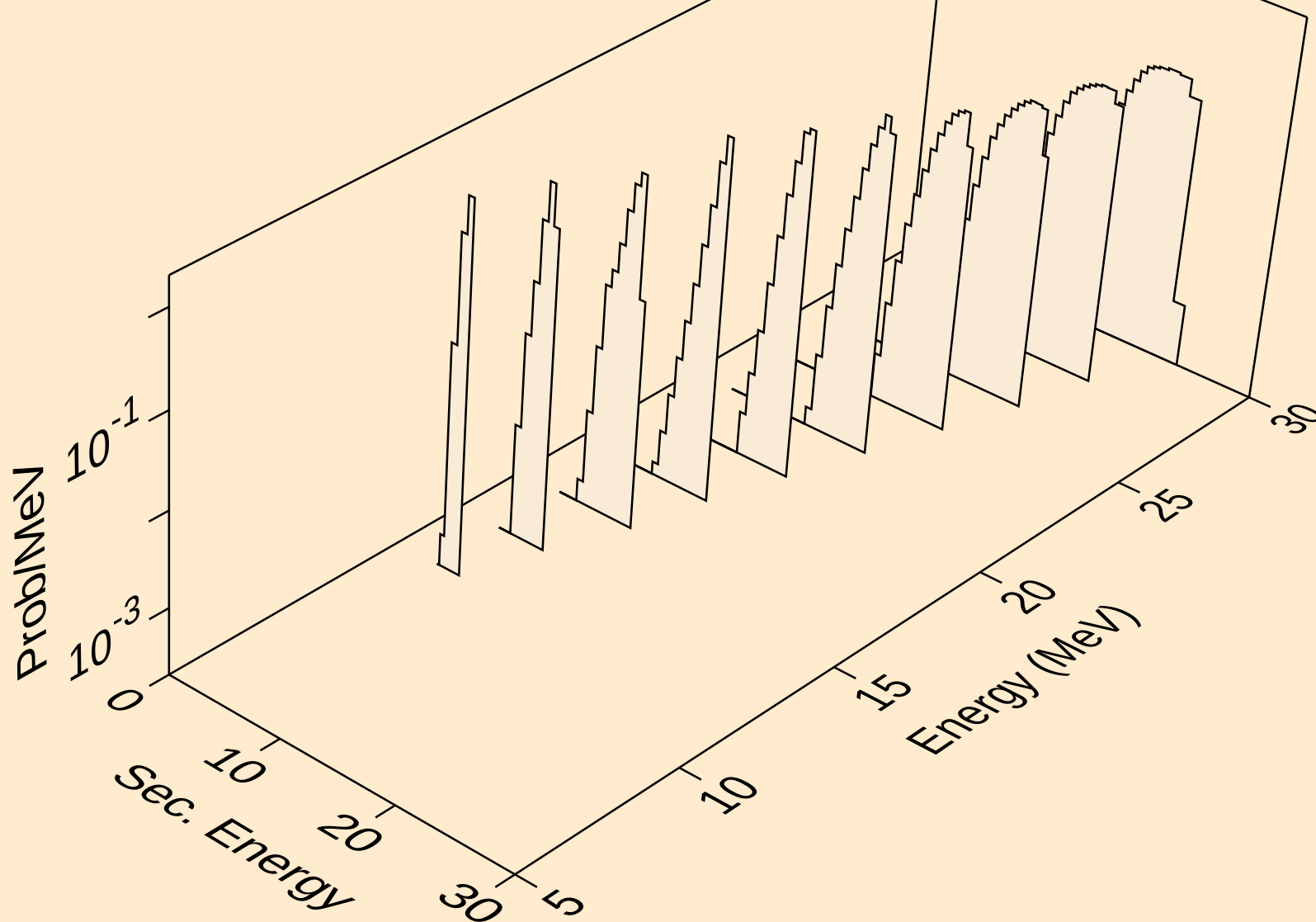
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



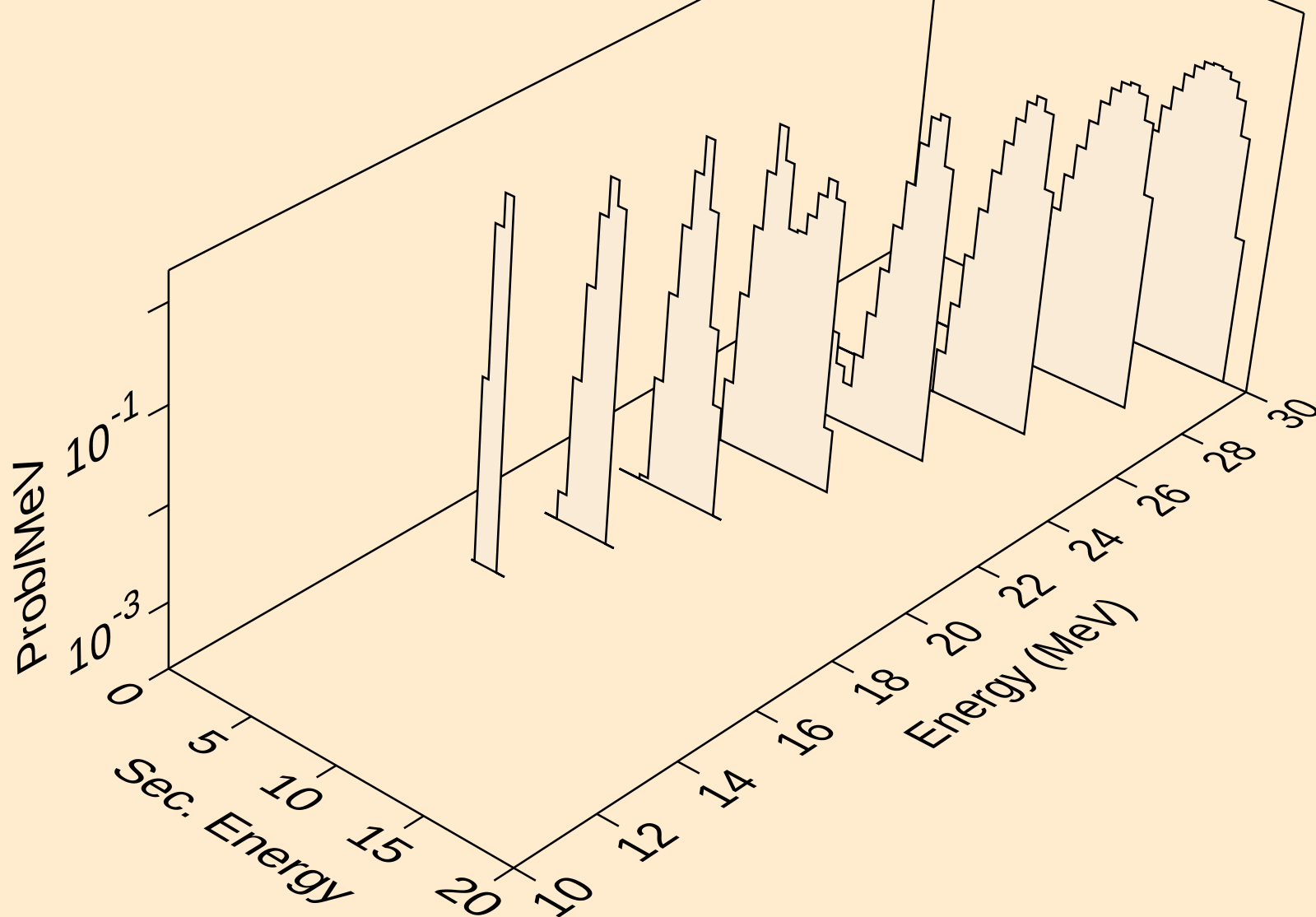
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a



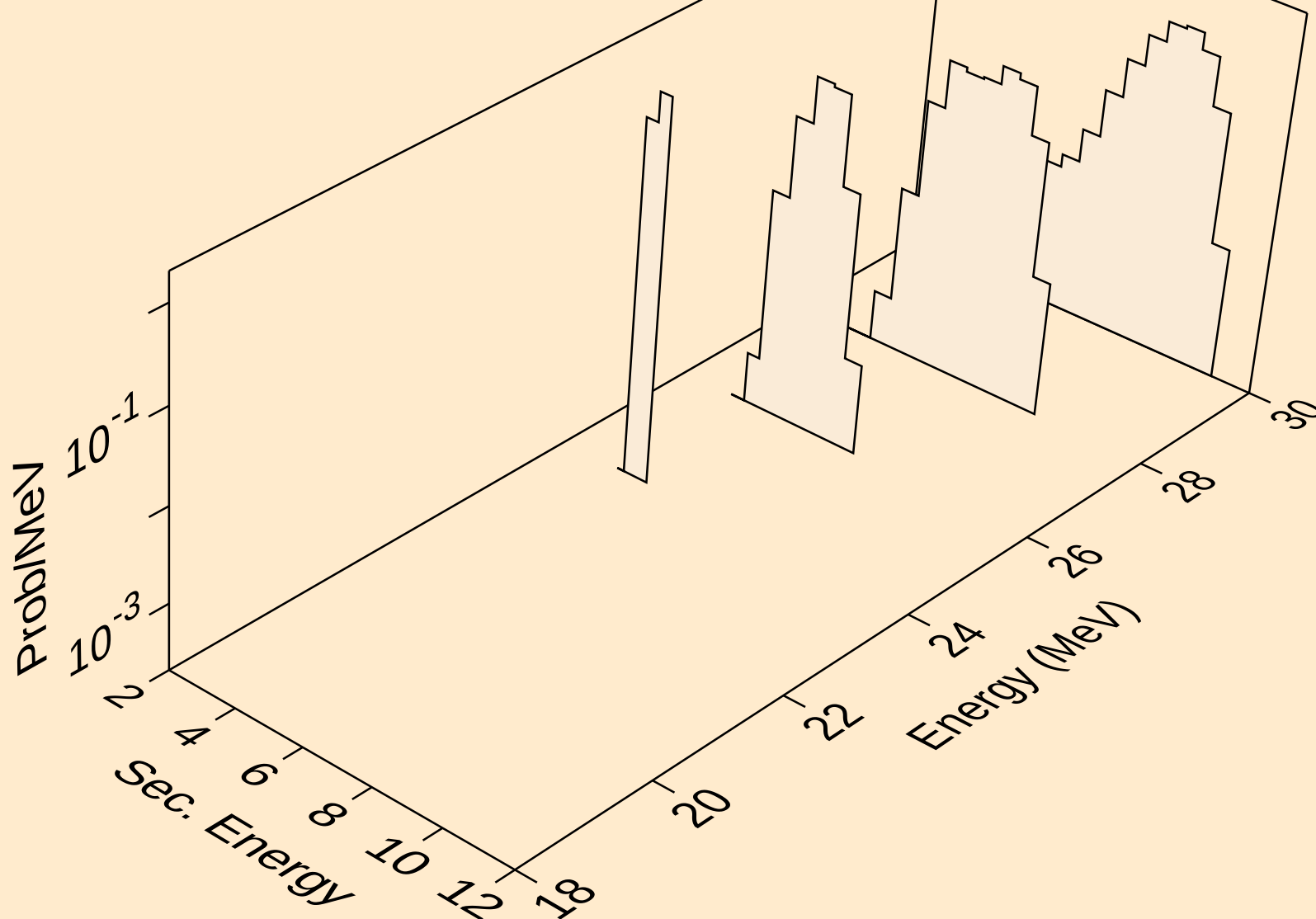
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



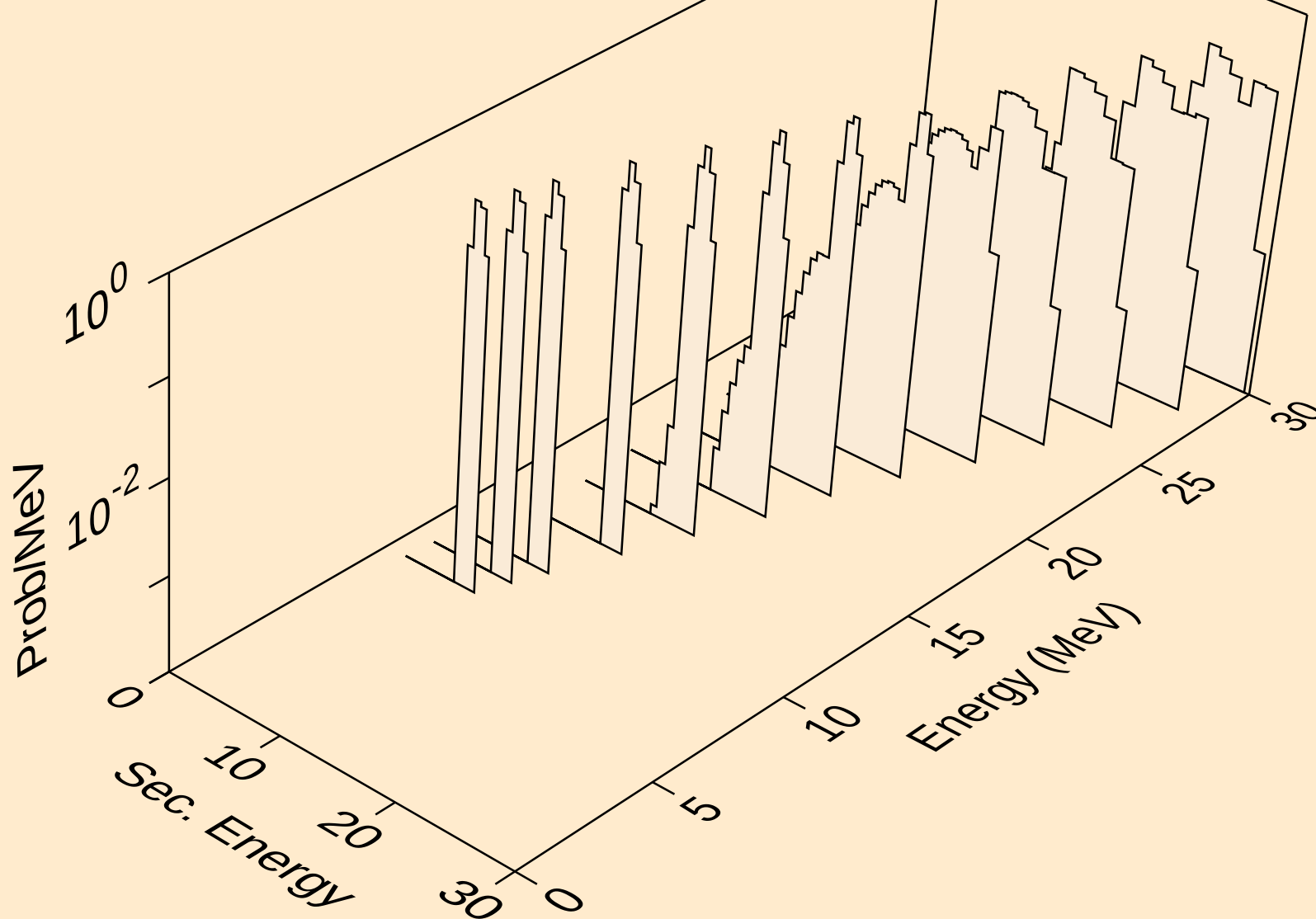
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,3n)a



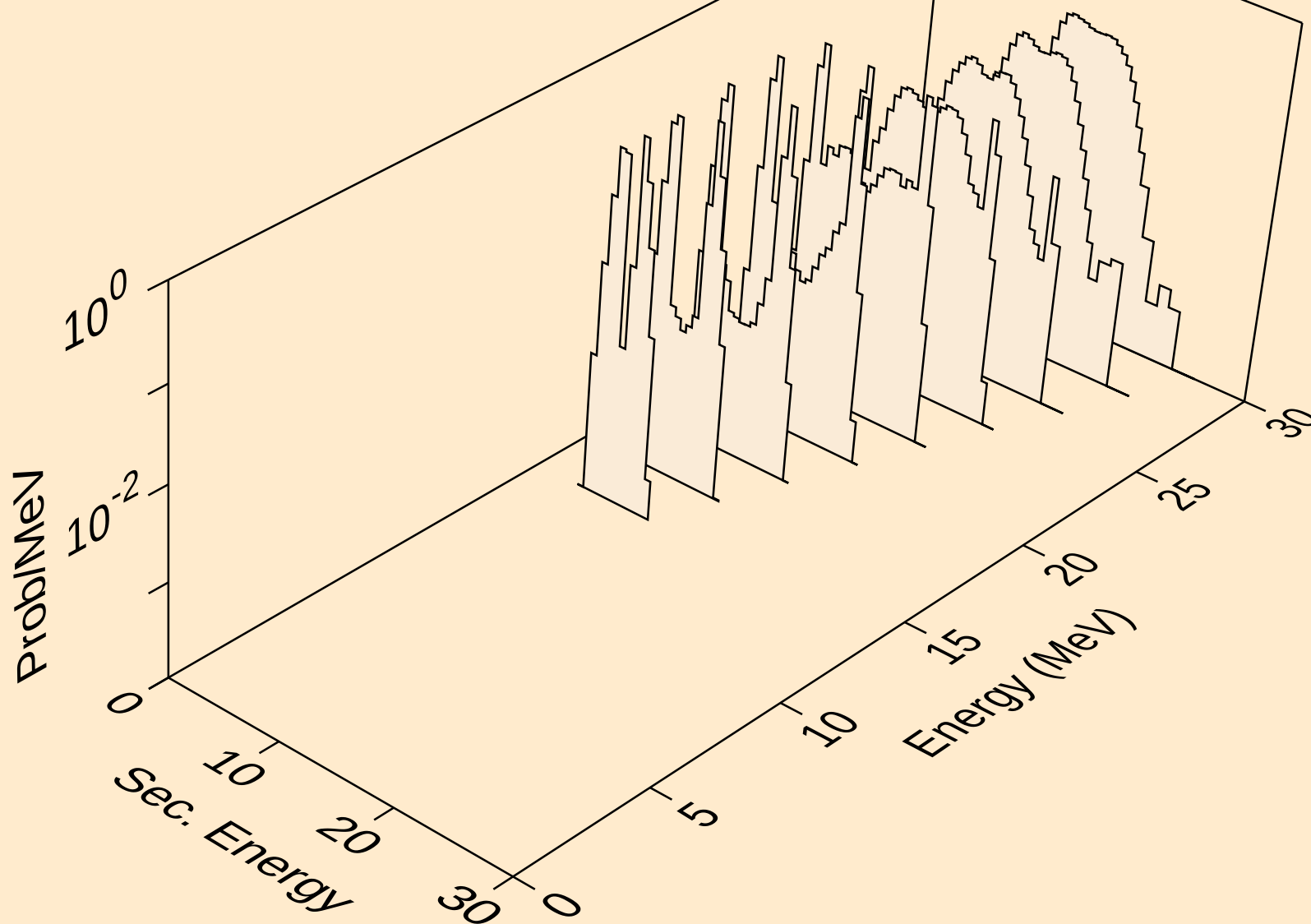
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic



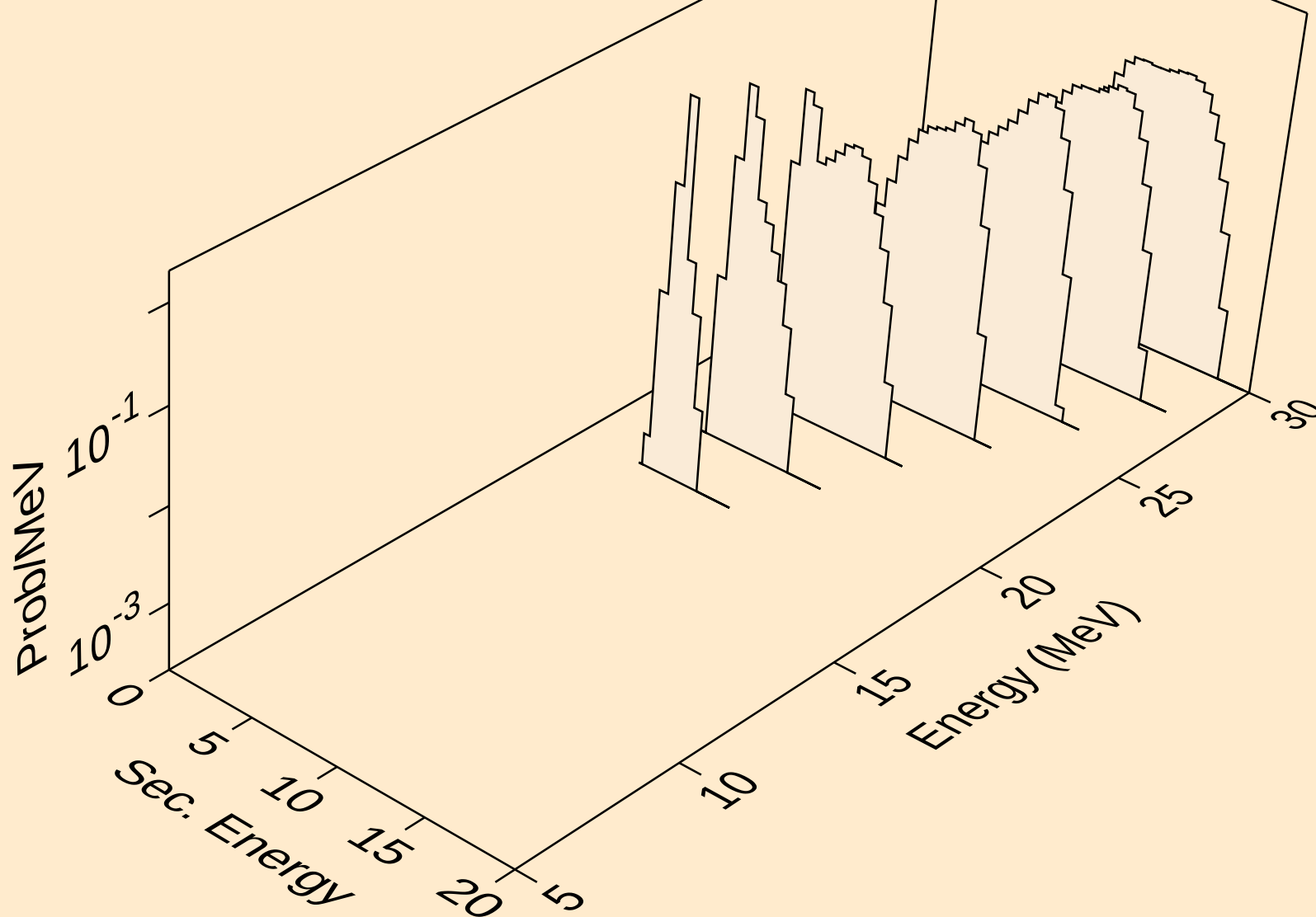
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2a)

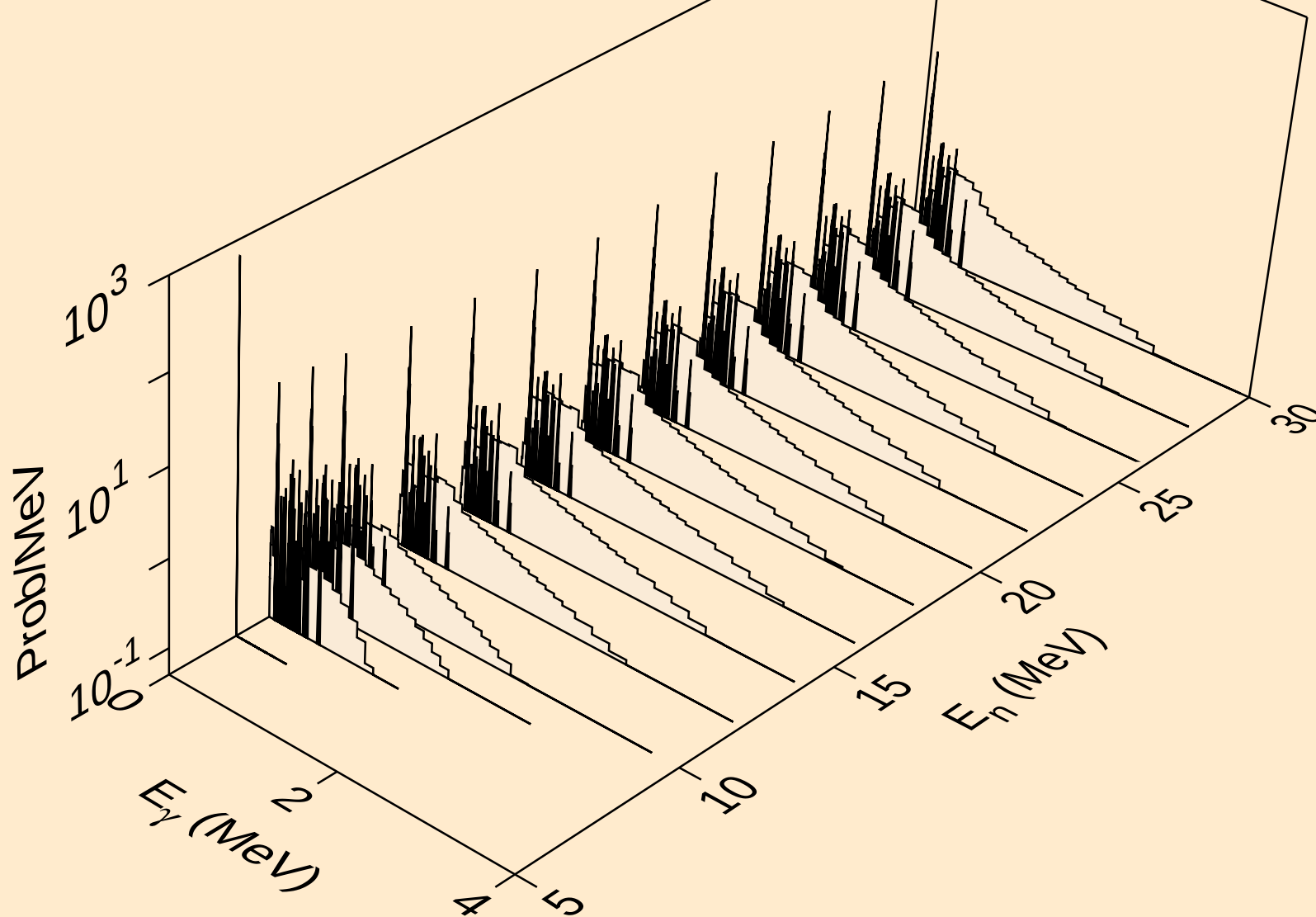


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,pa)

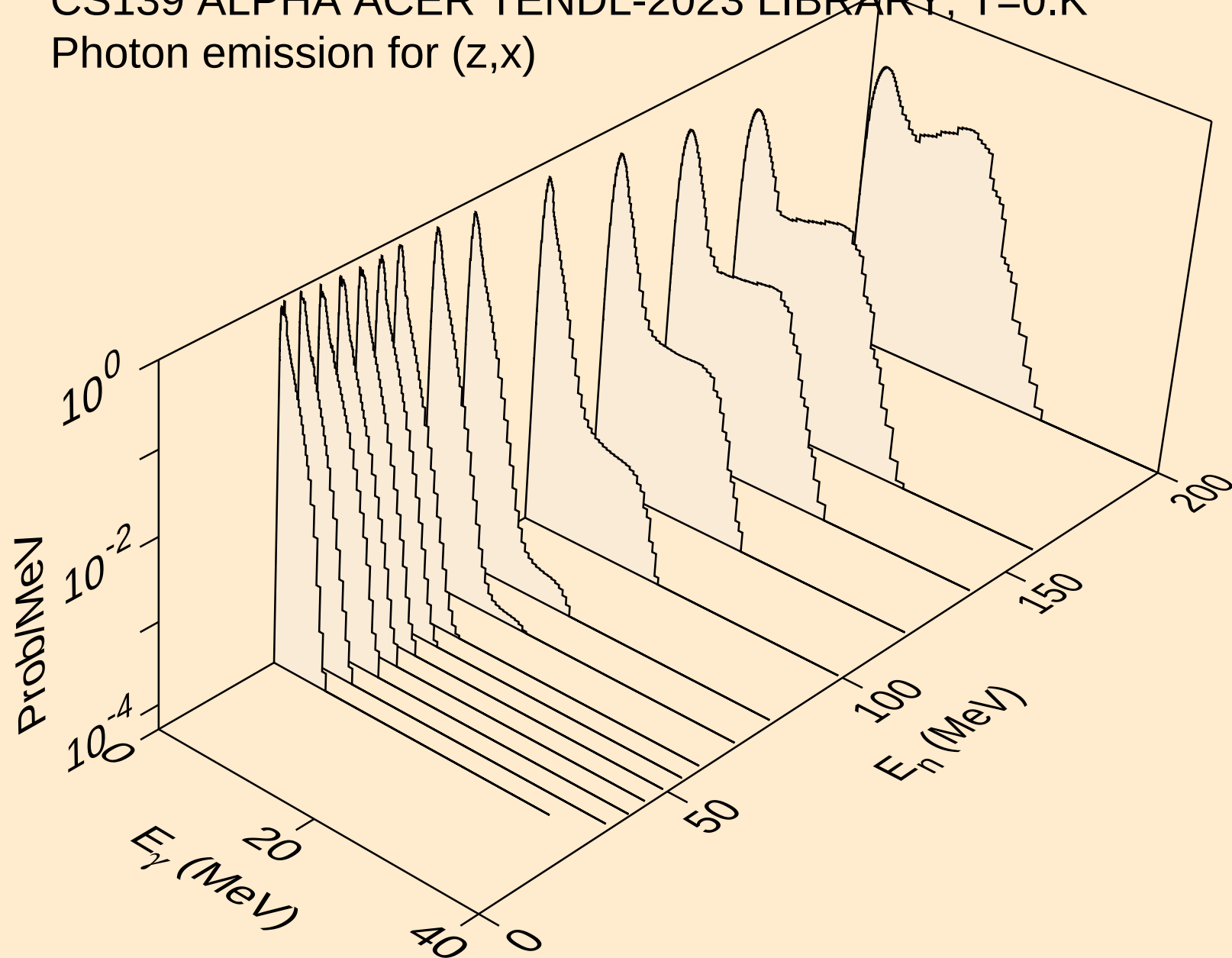


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

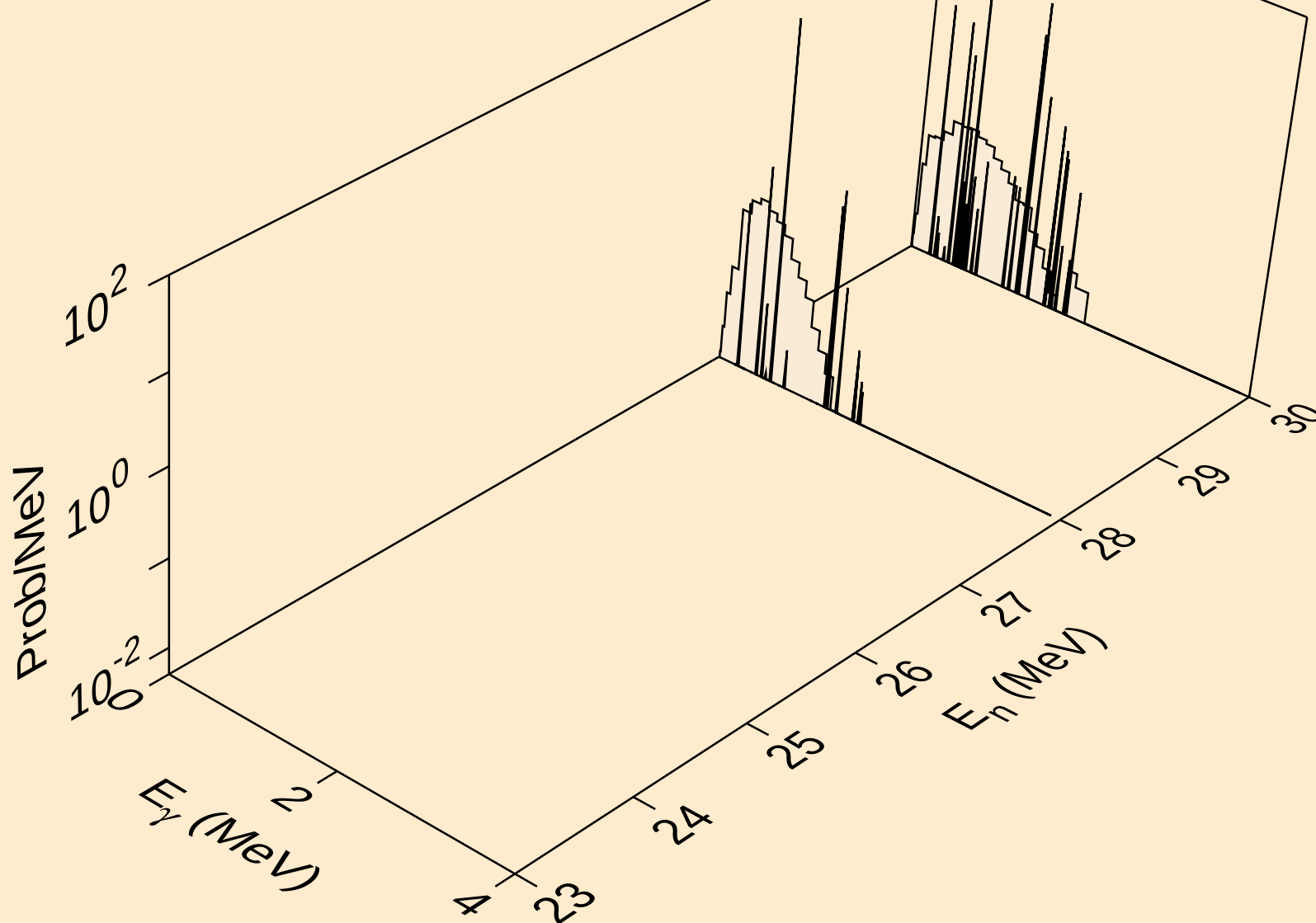


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

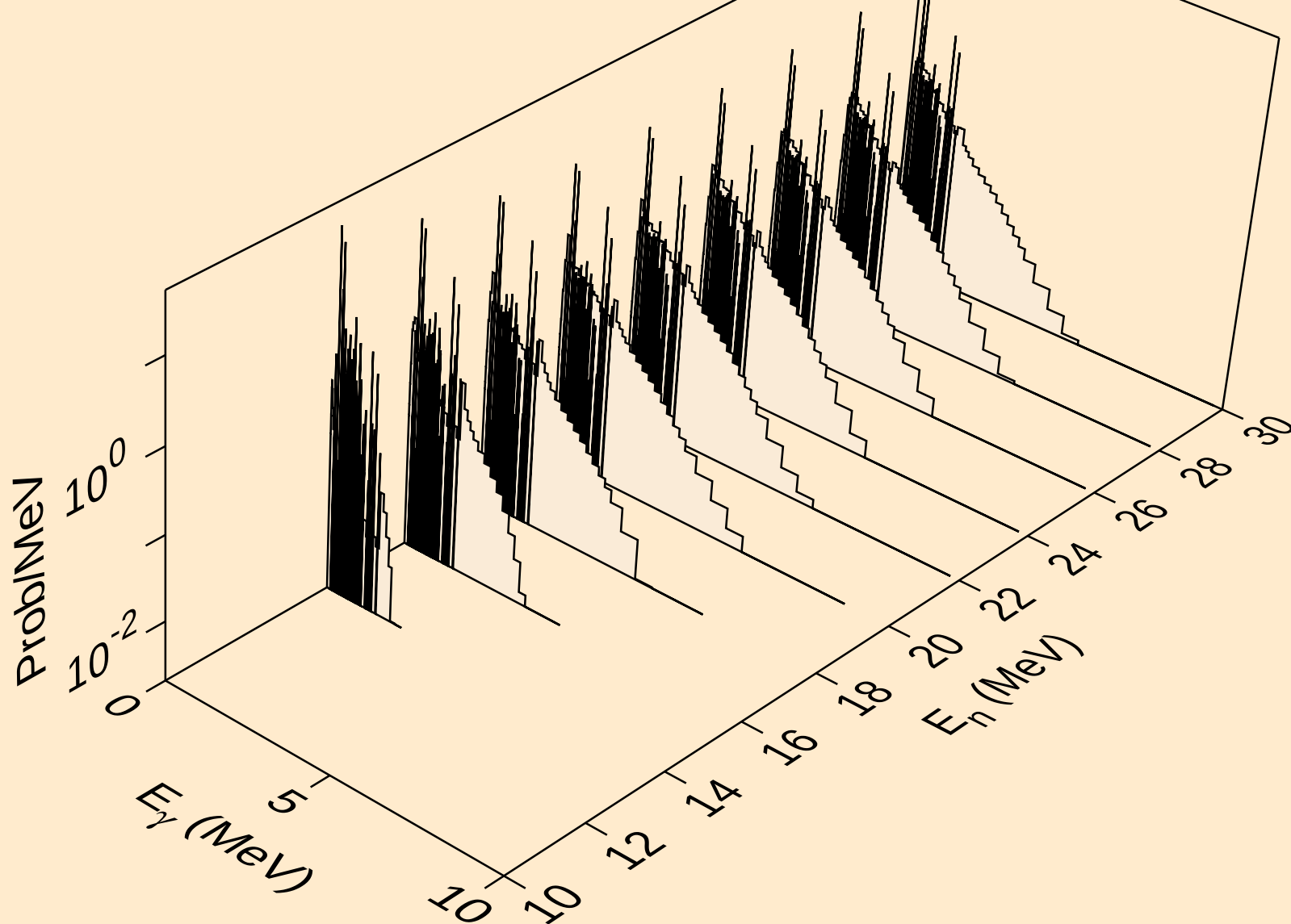
Photon emission for (z,x)



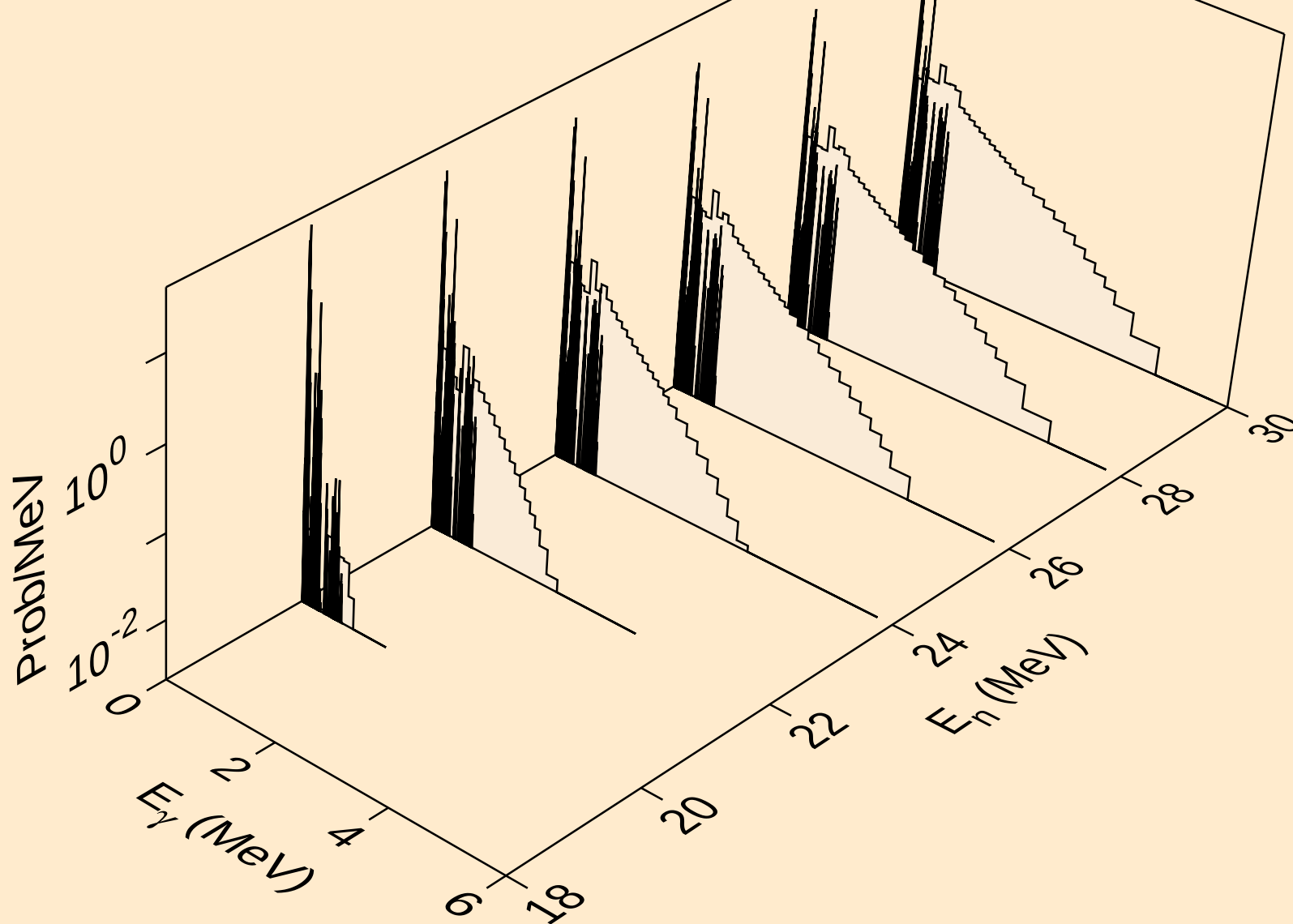
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

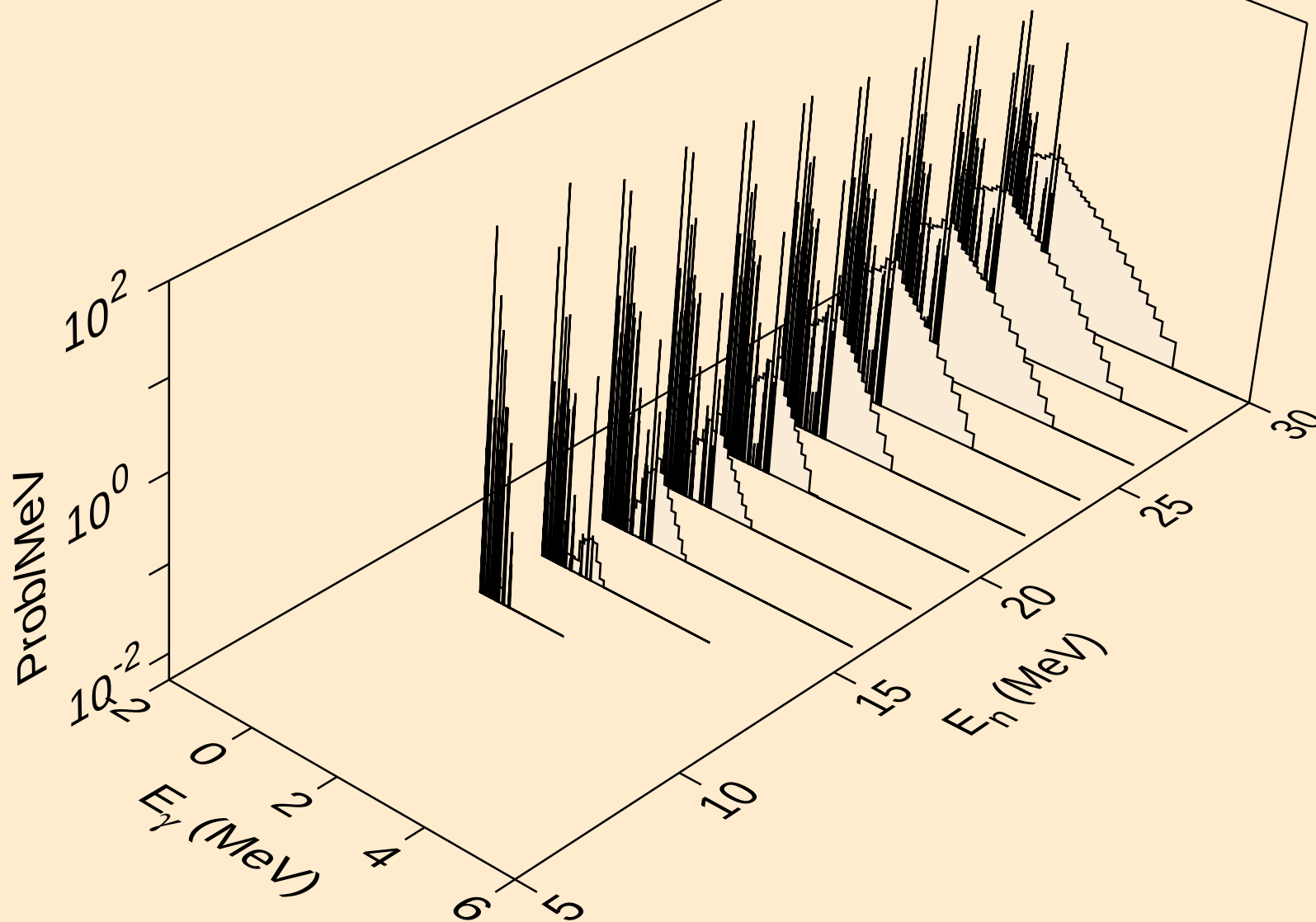


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



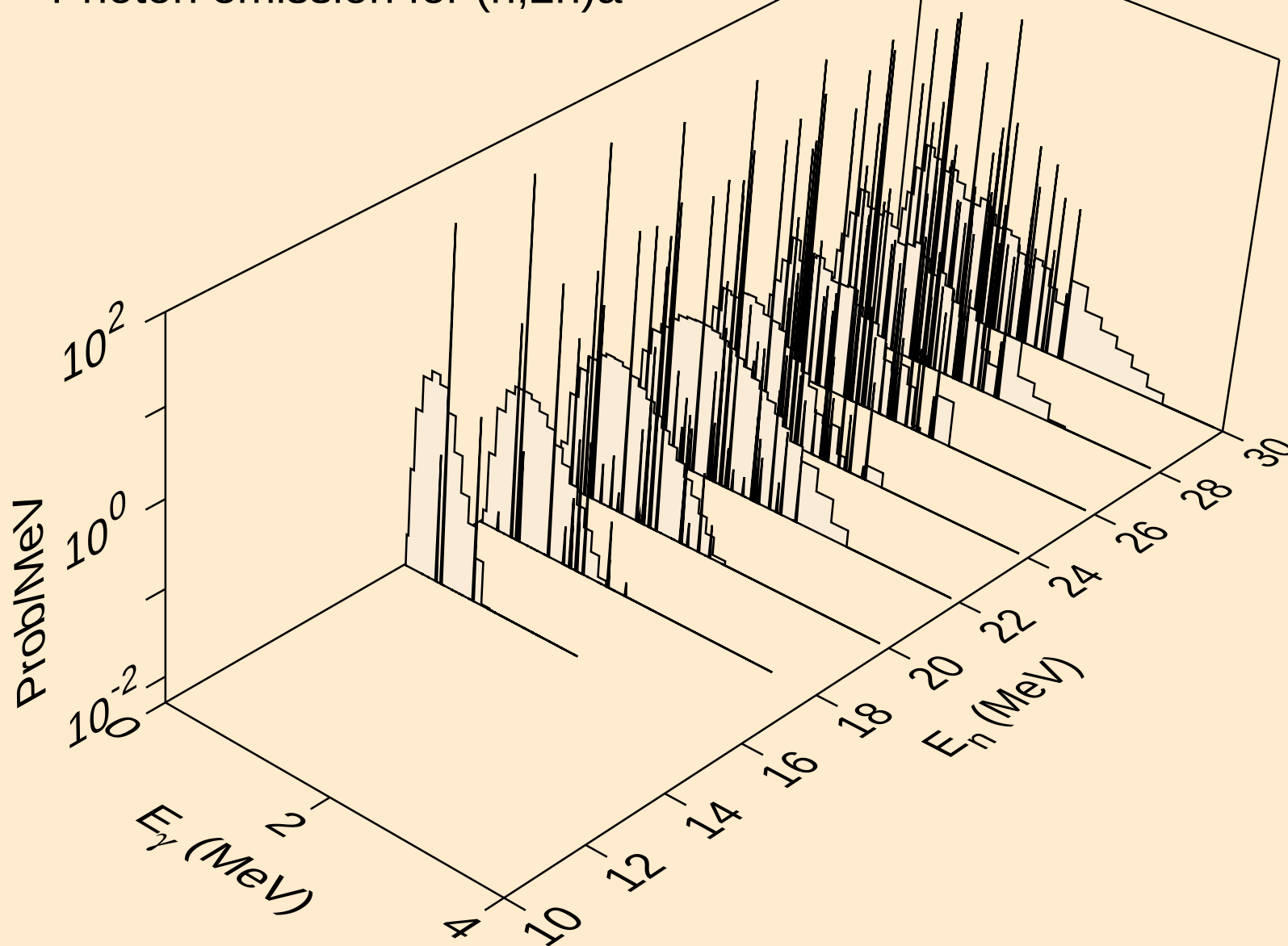
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



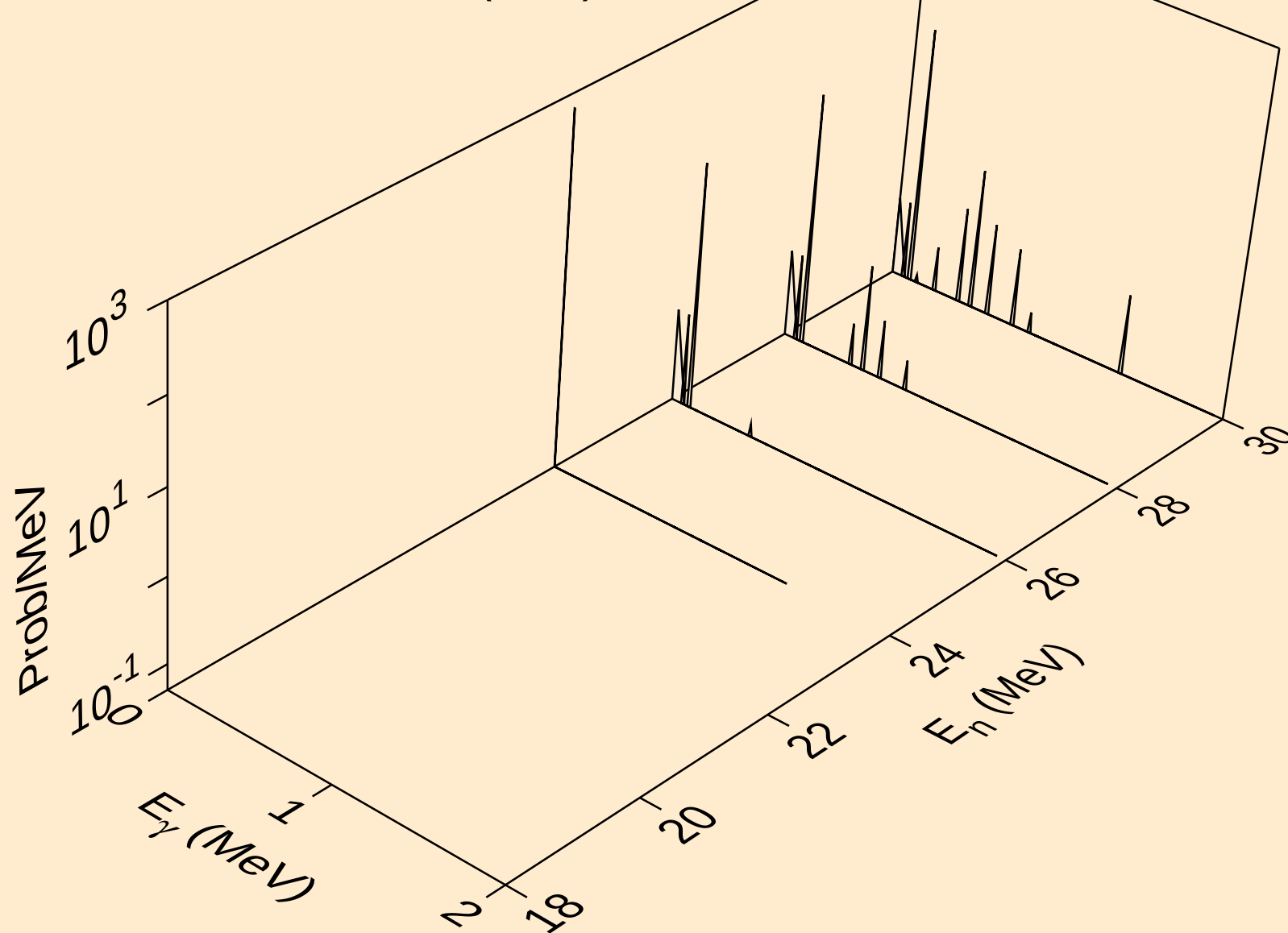
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



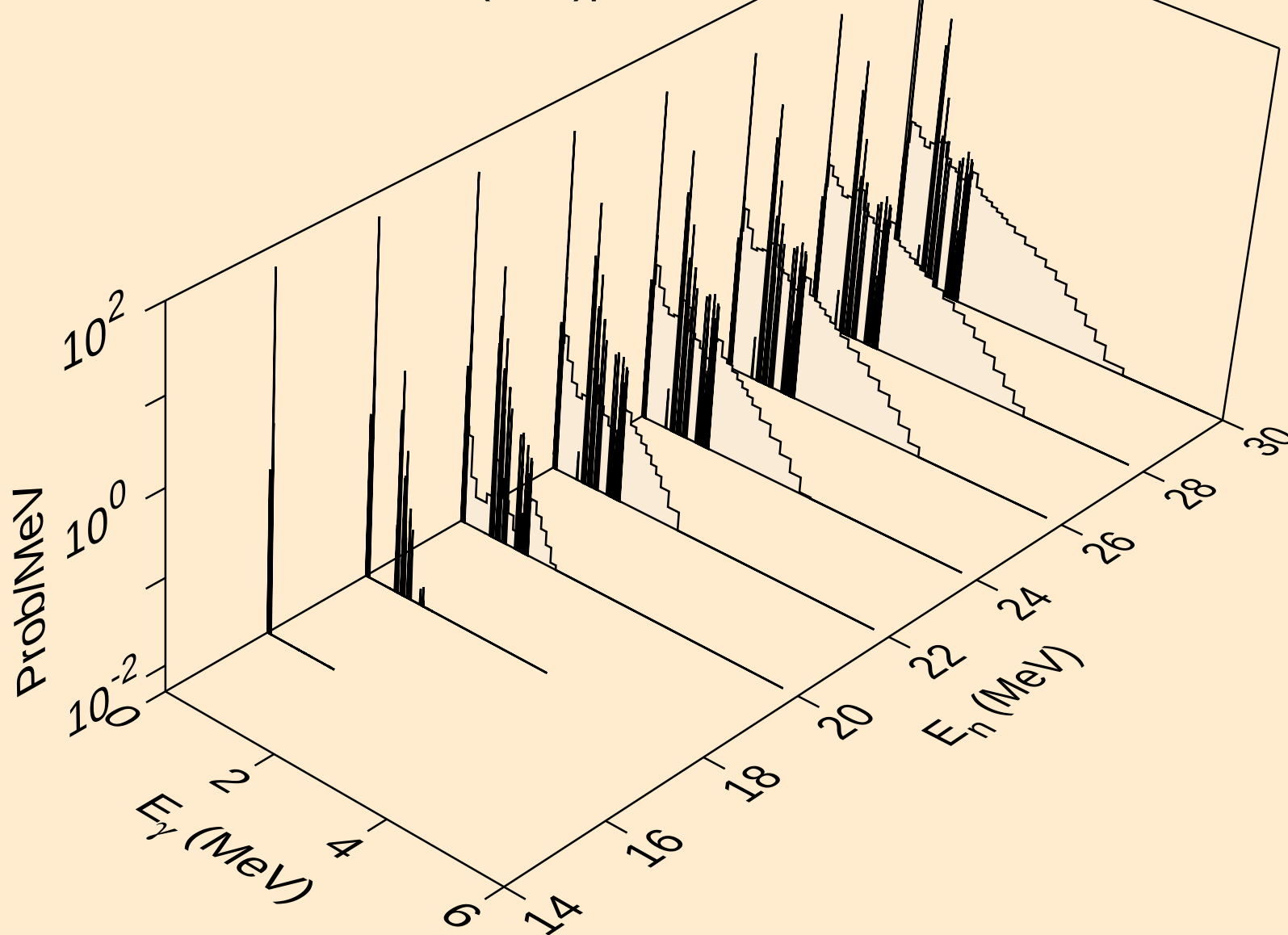
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α



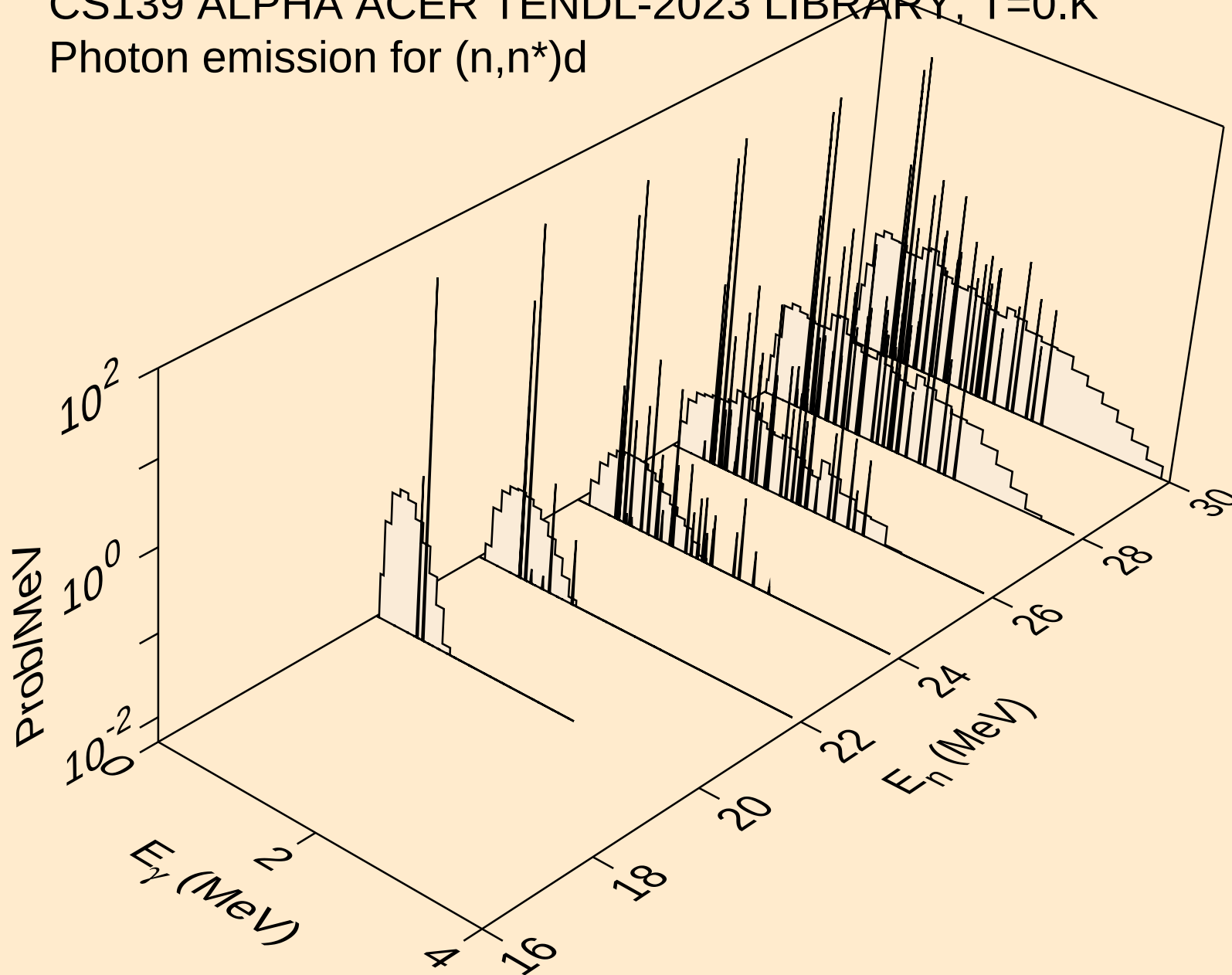
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



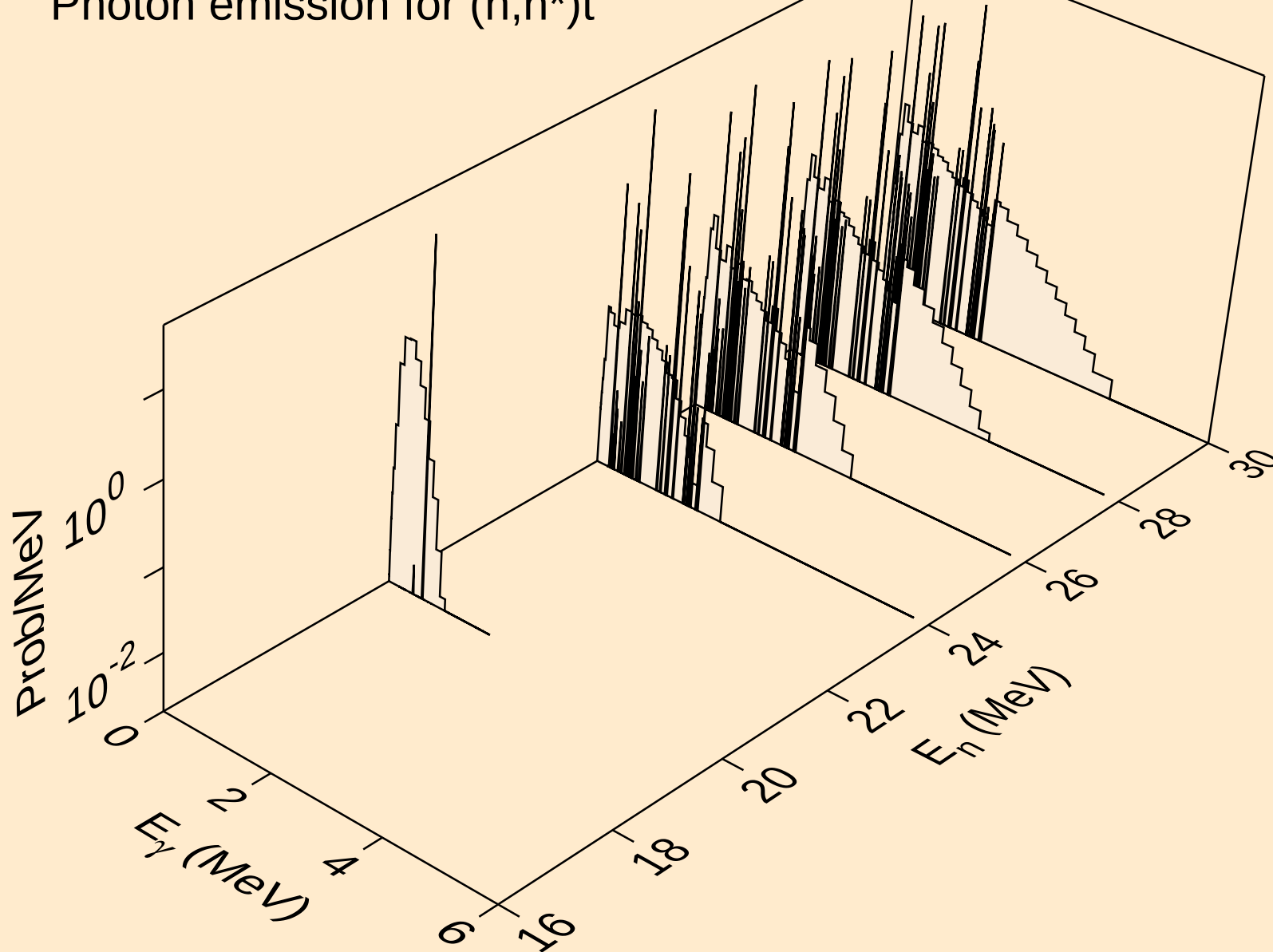
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

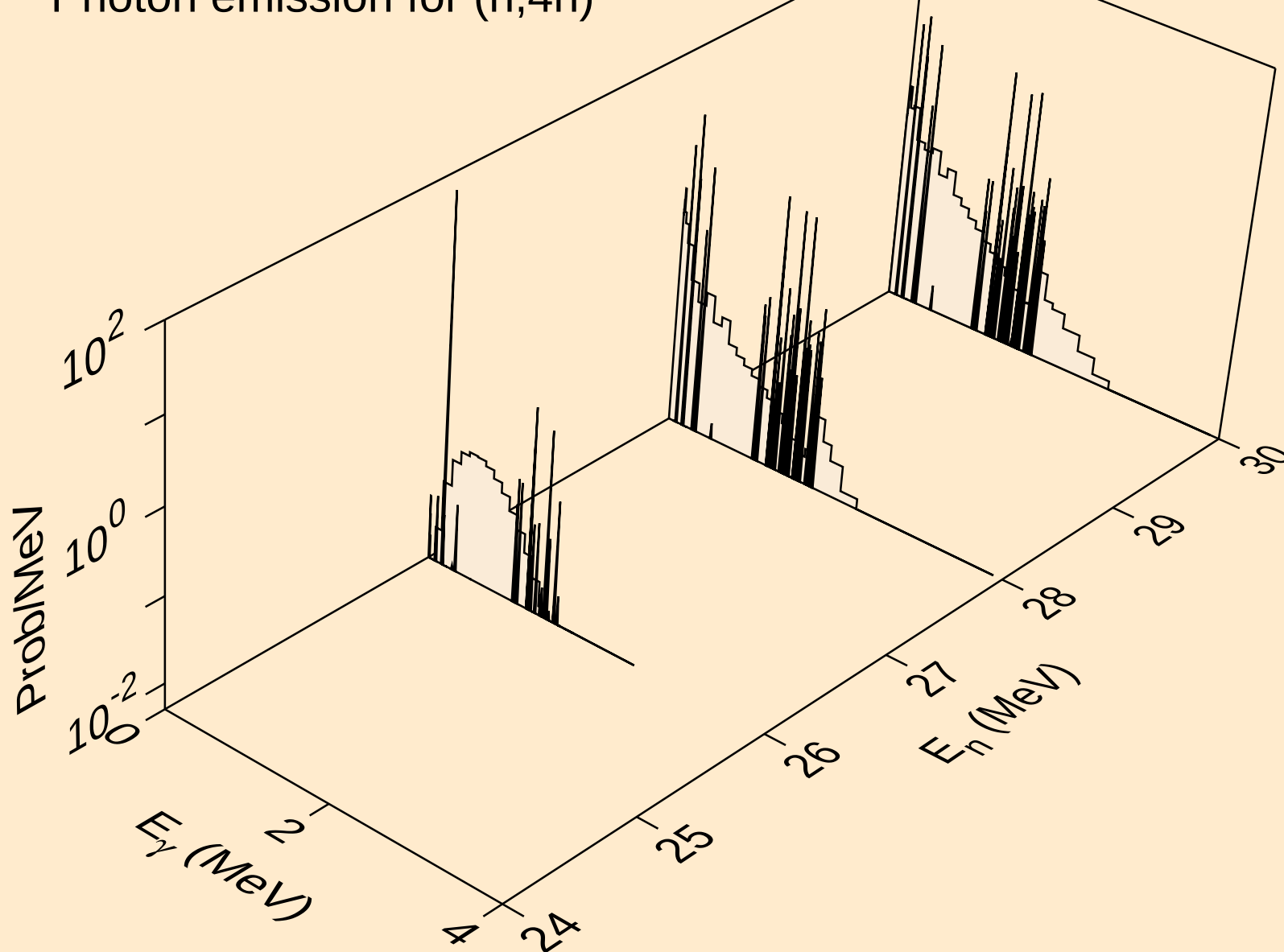


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

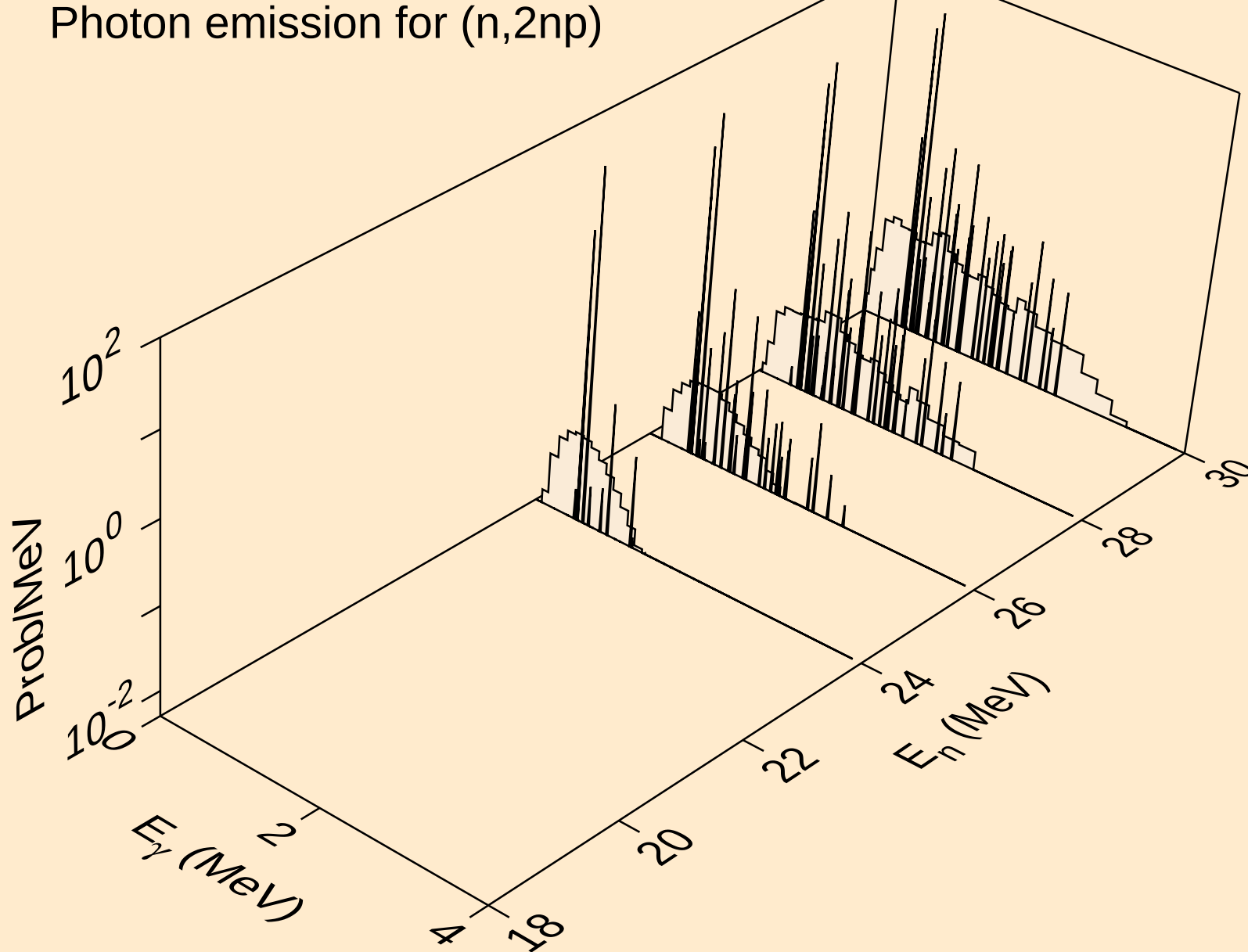
Photon emission for (n,n*)t



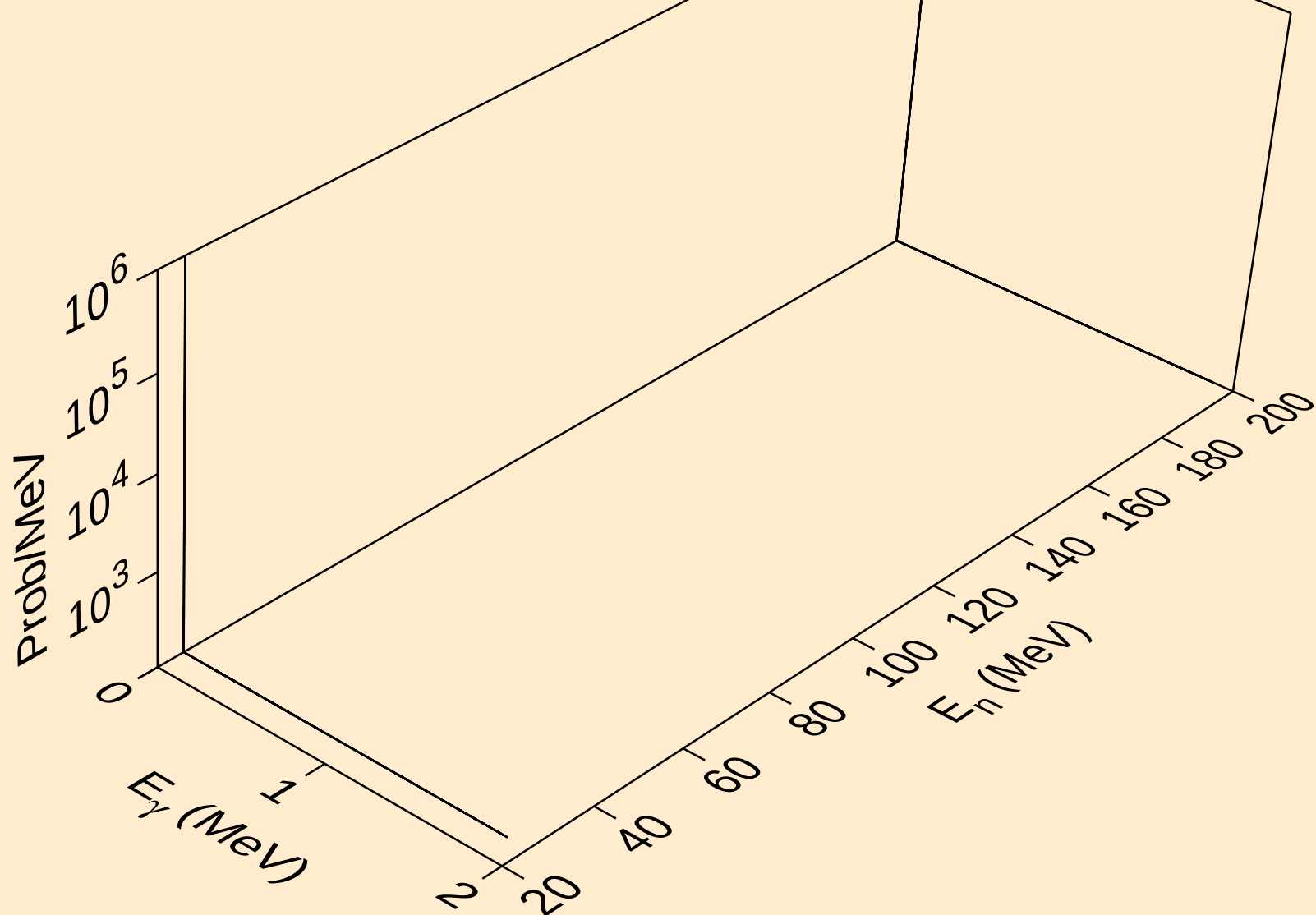
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



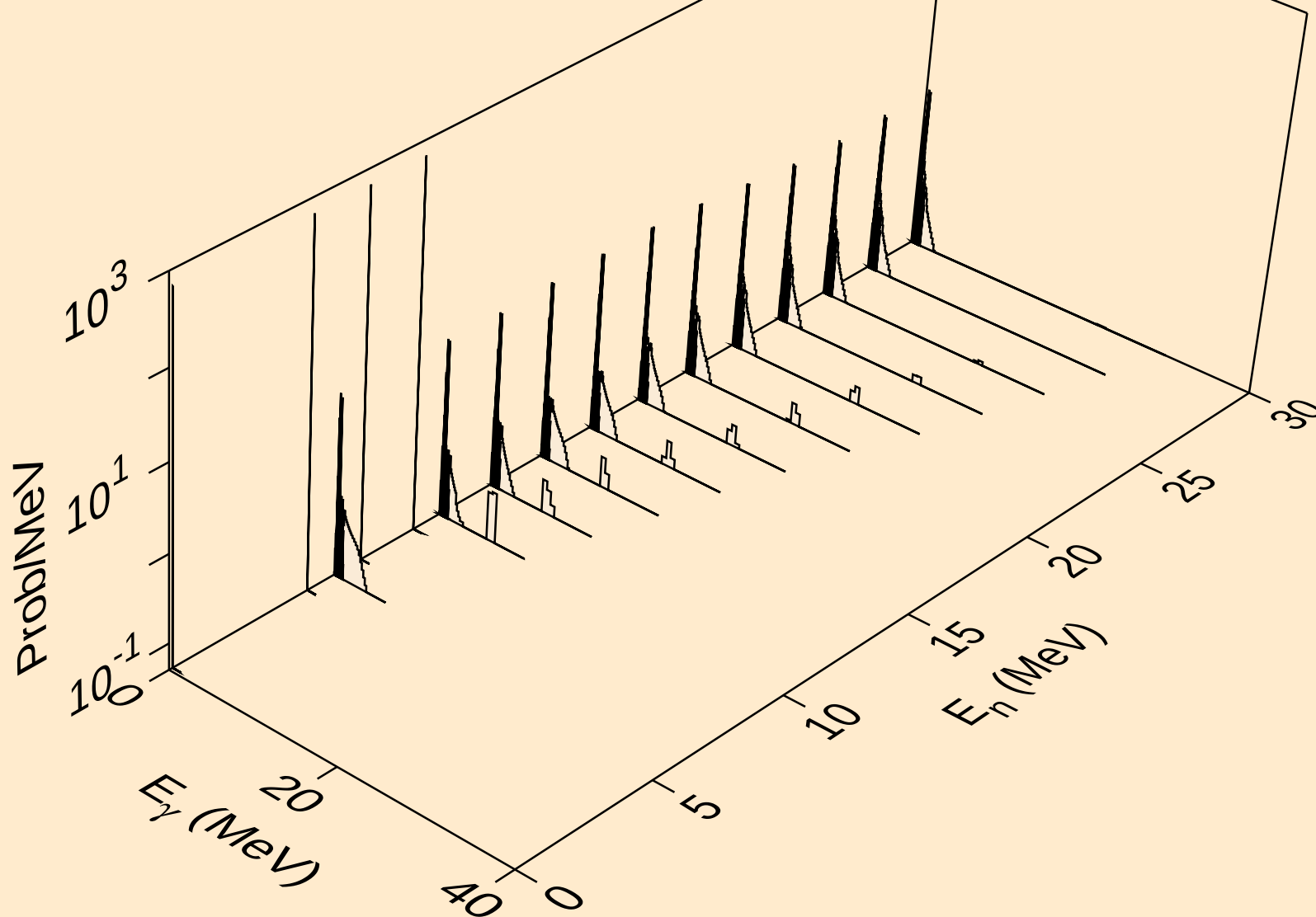
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



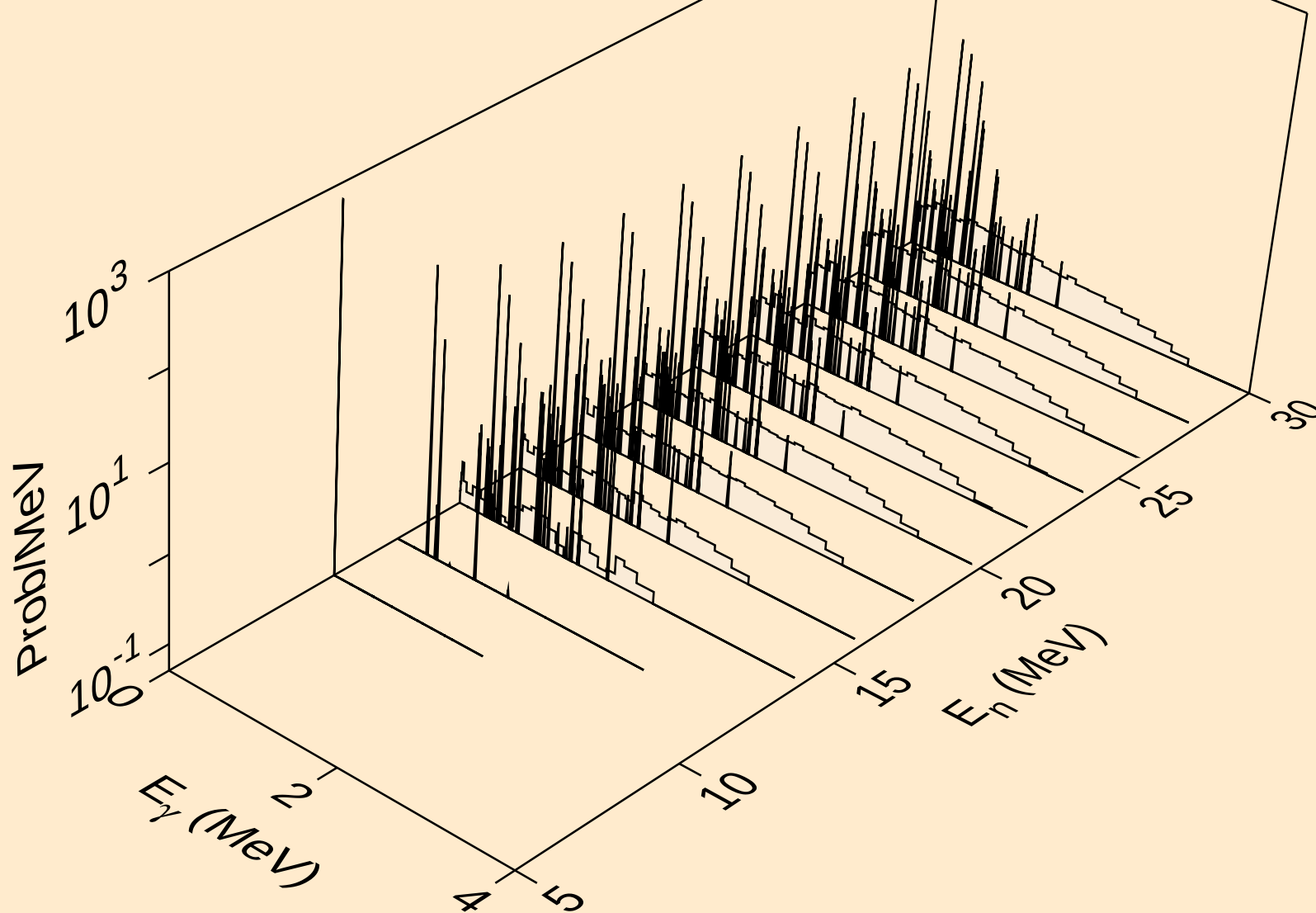
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



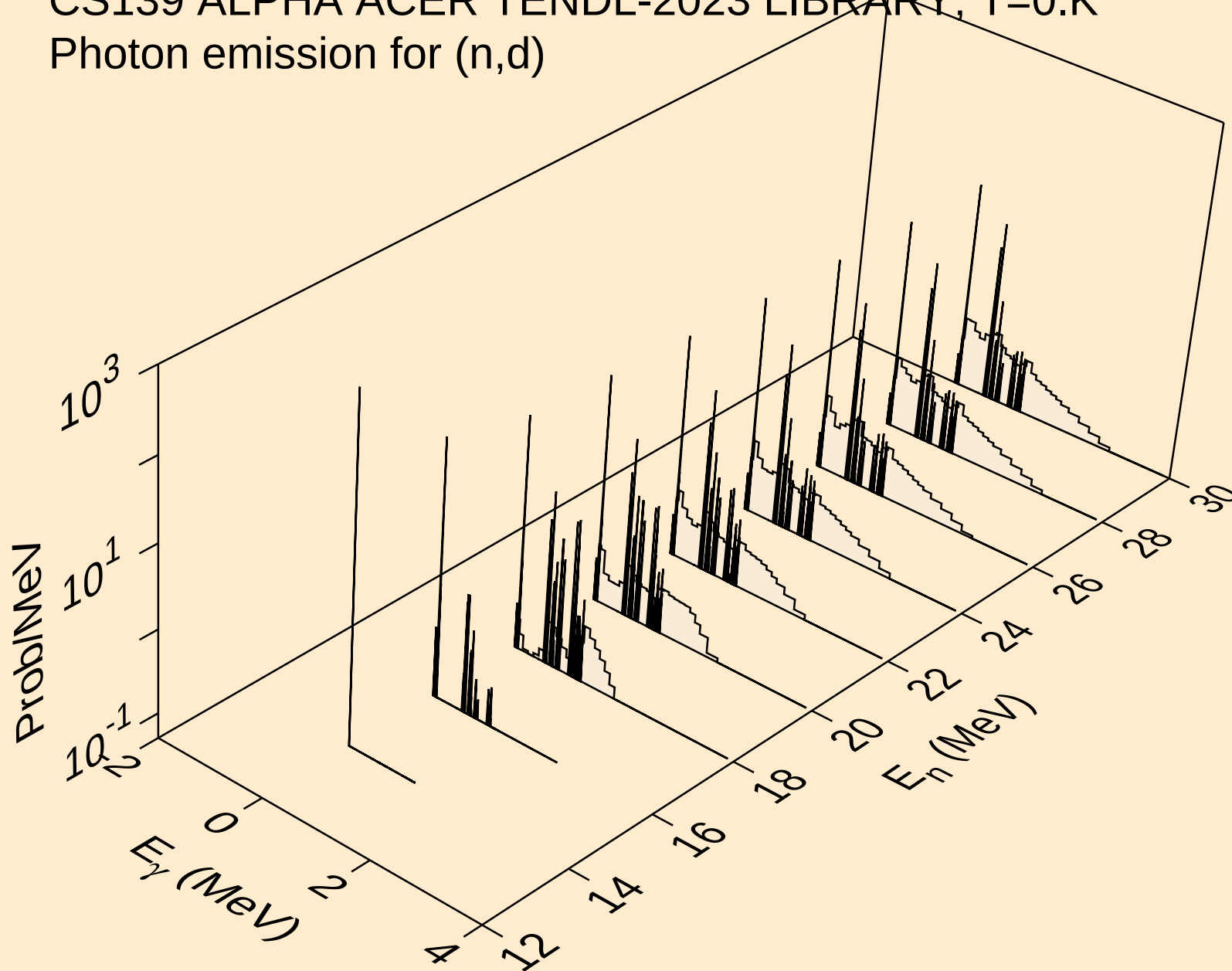
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



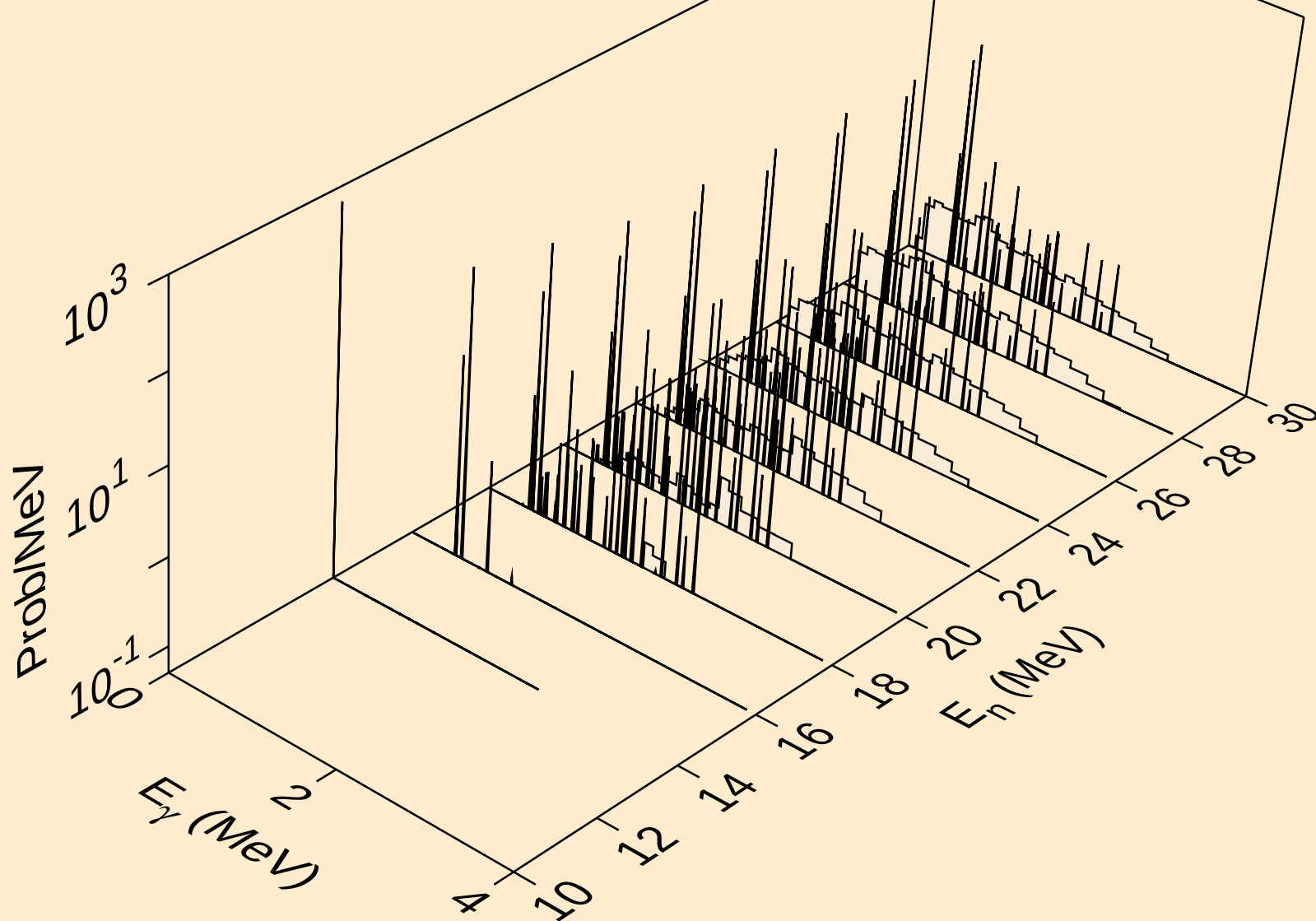
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



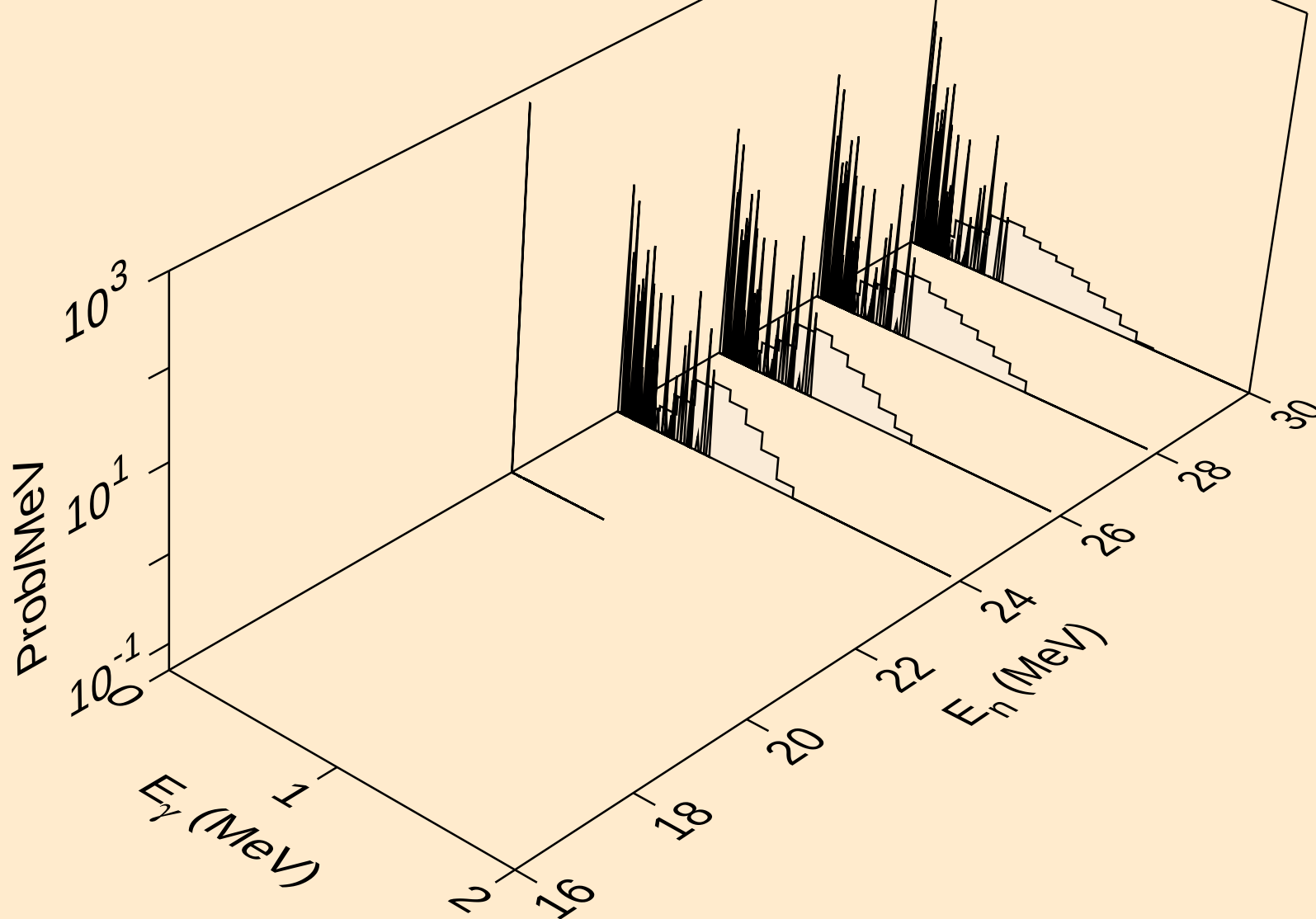
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



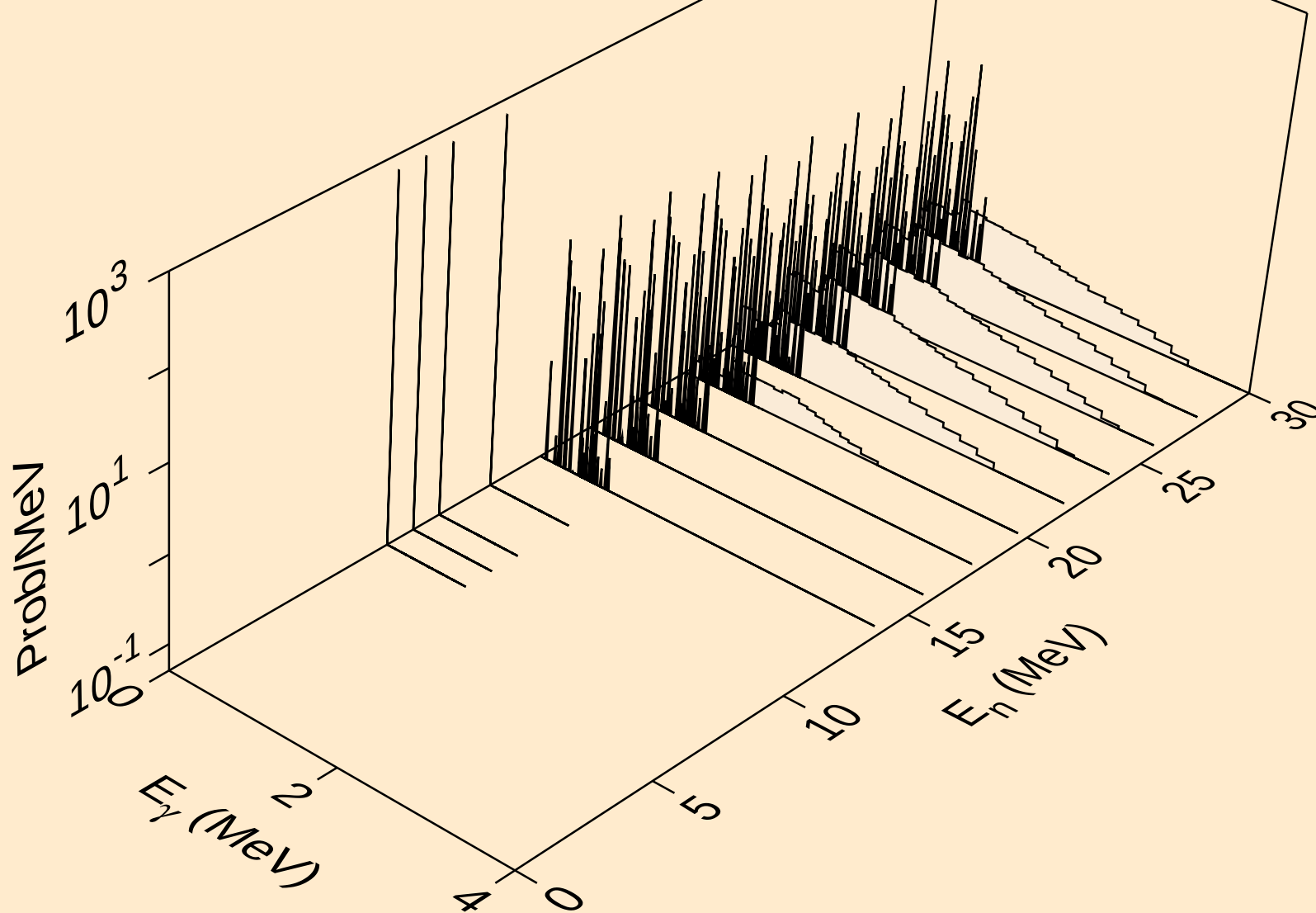
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



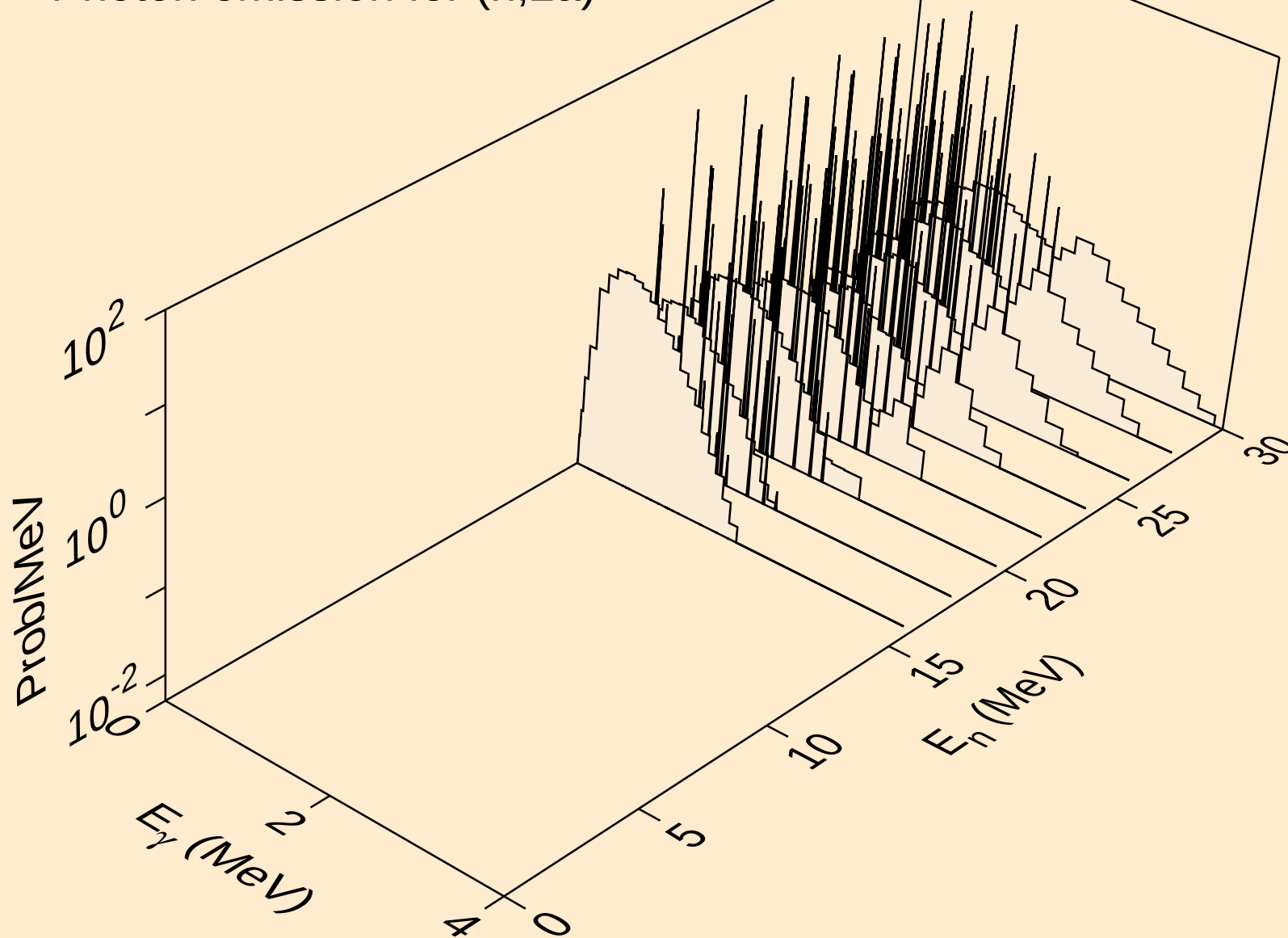
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



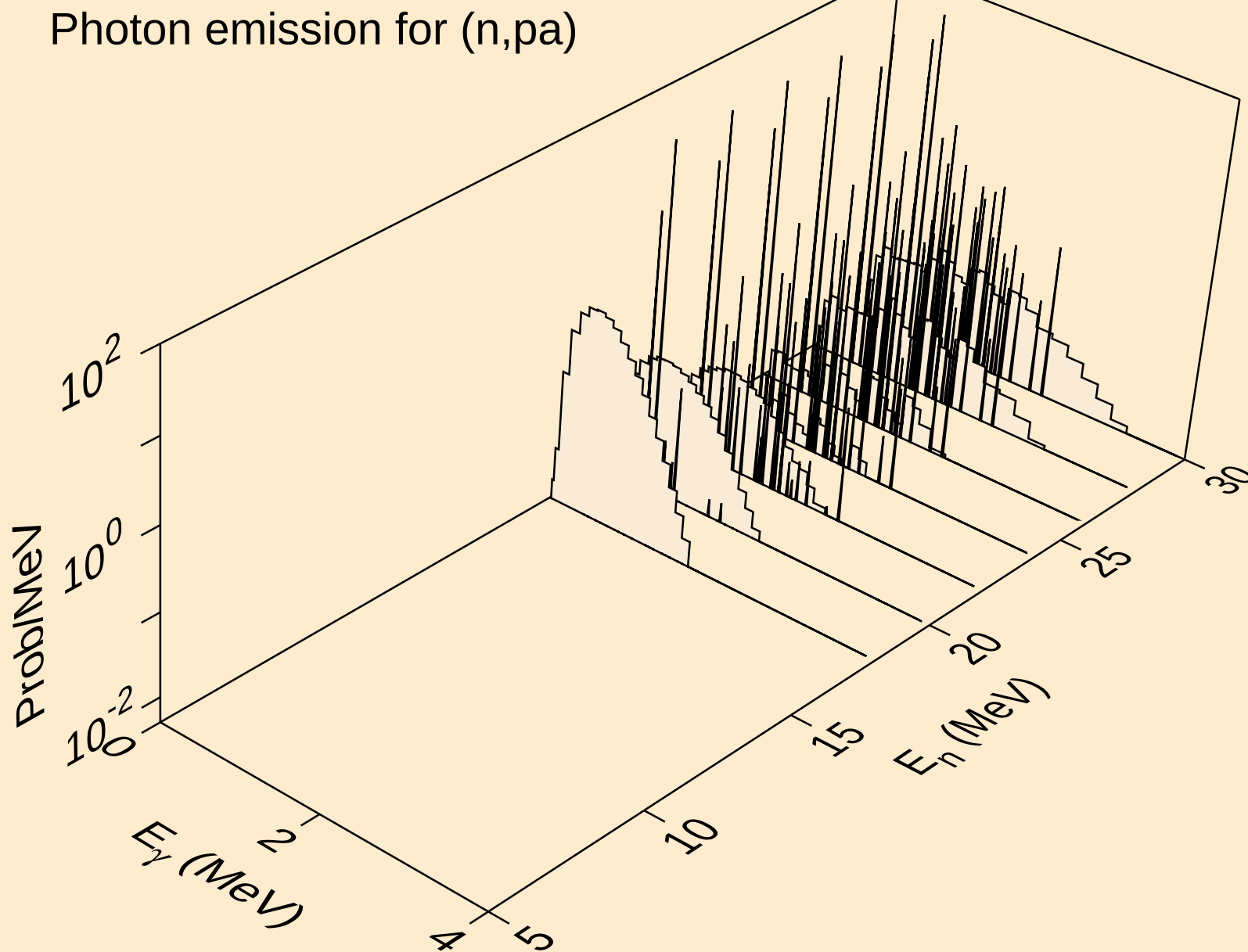
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)

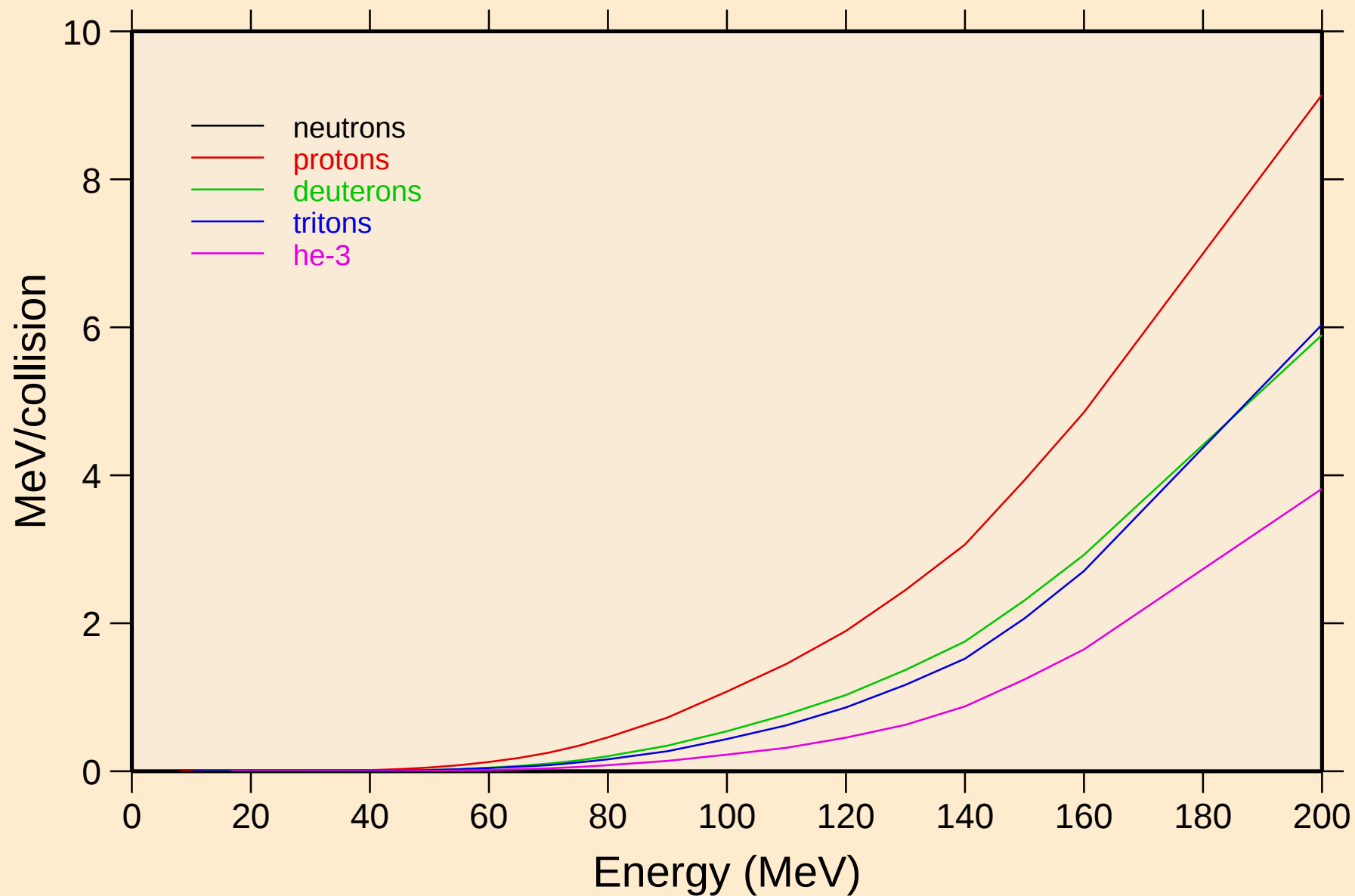


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)



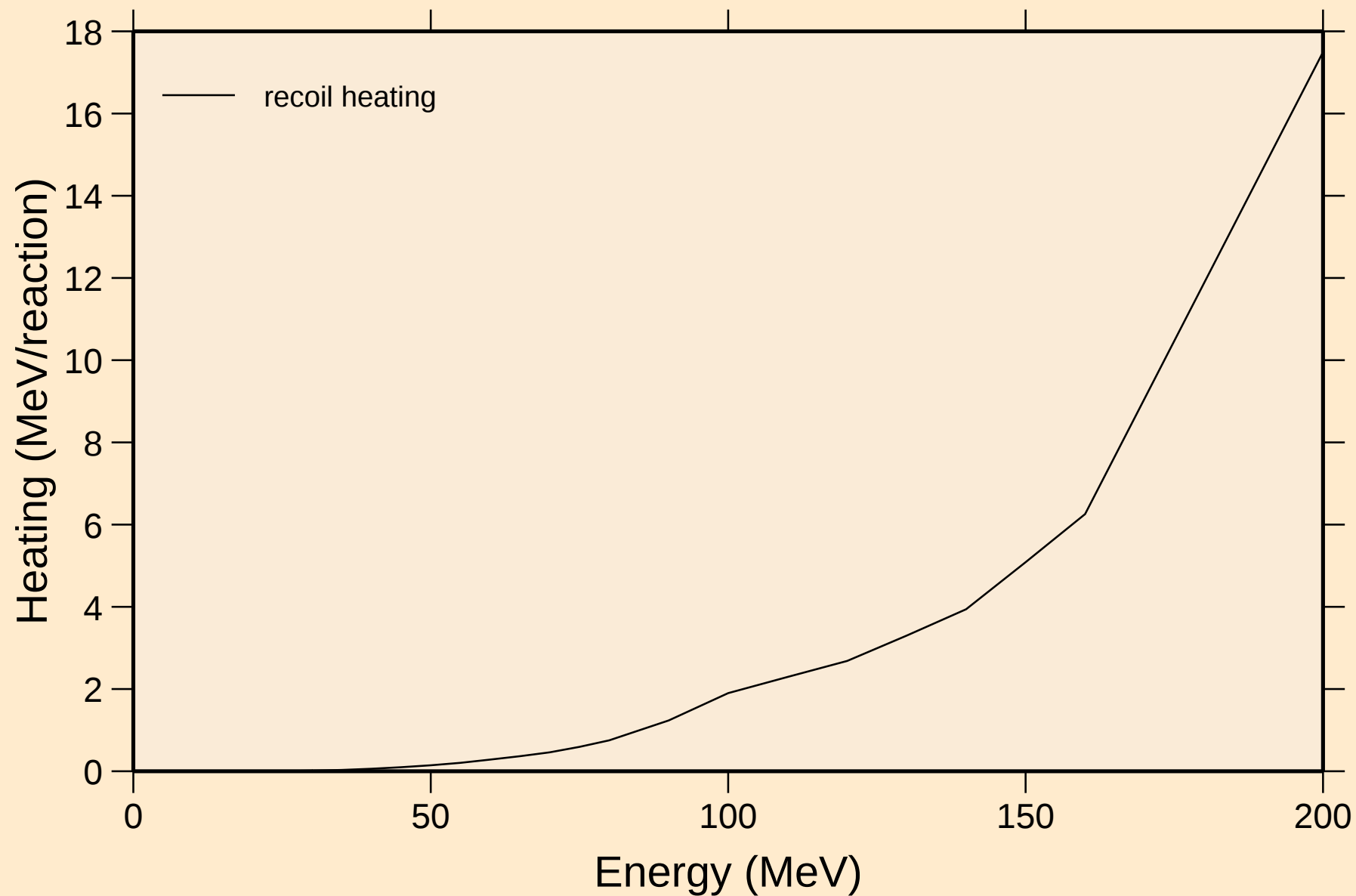
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



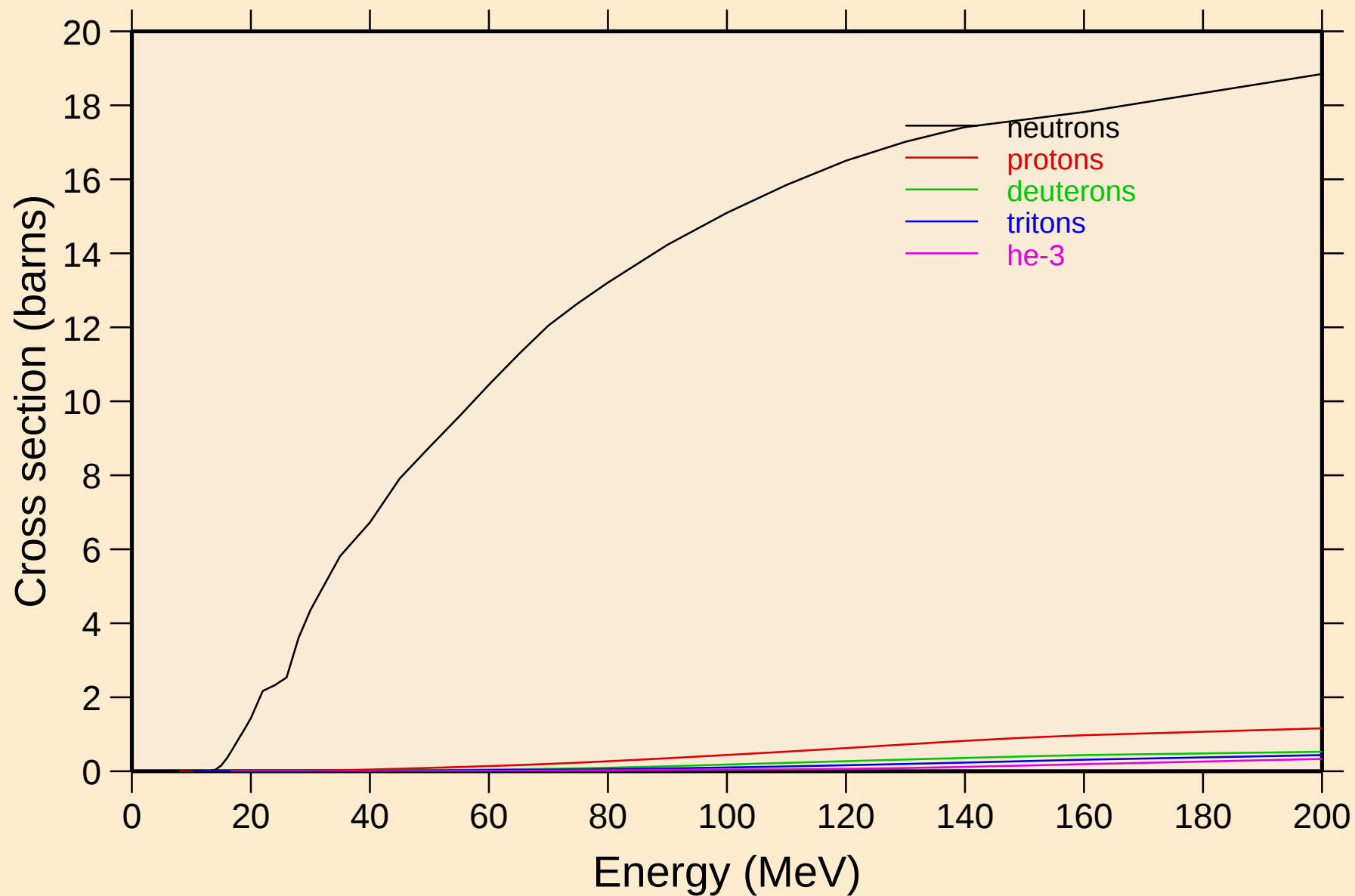
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

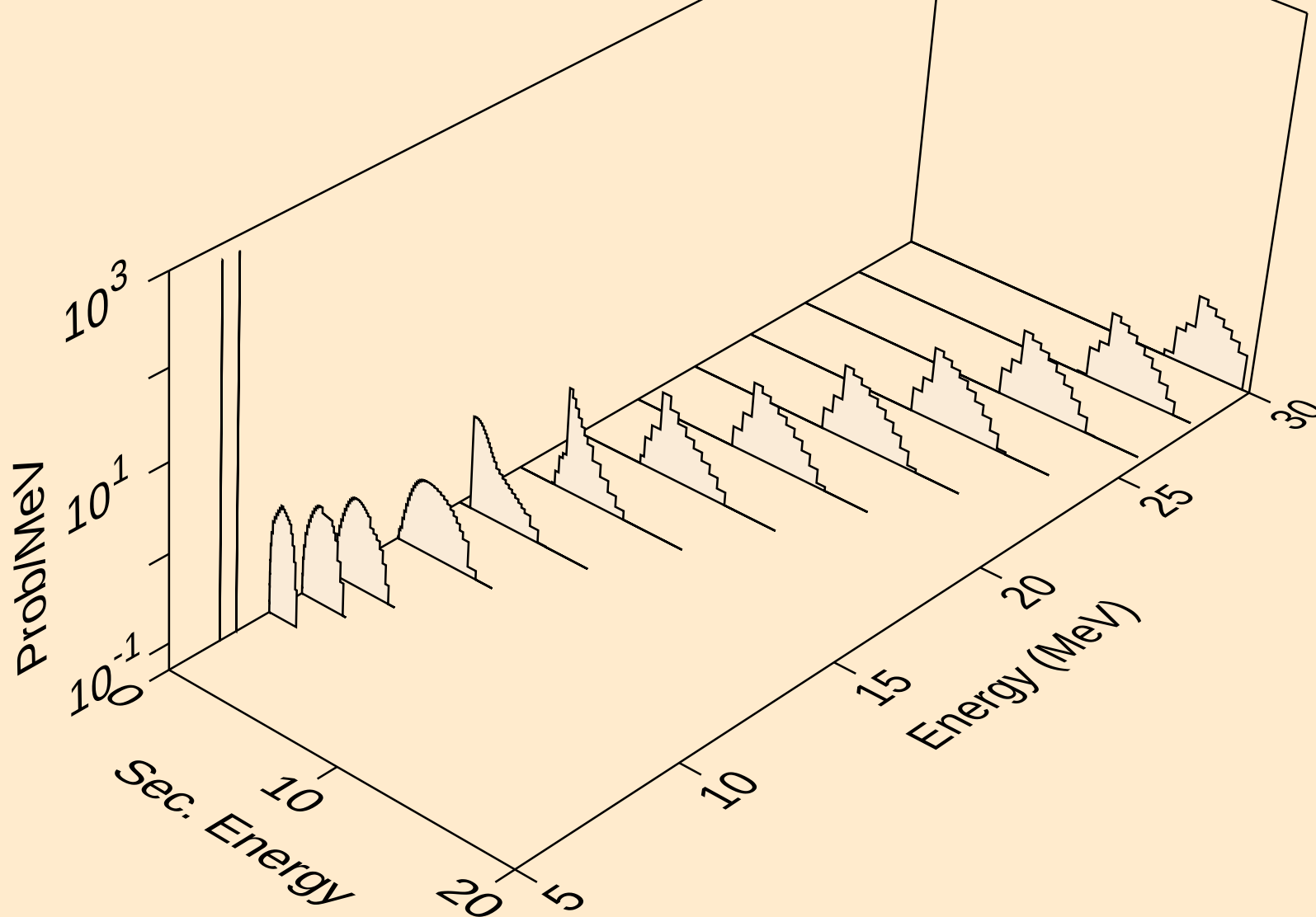


CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

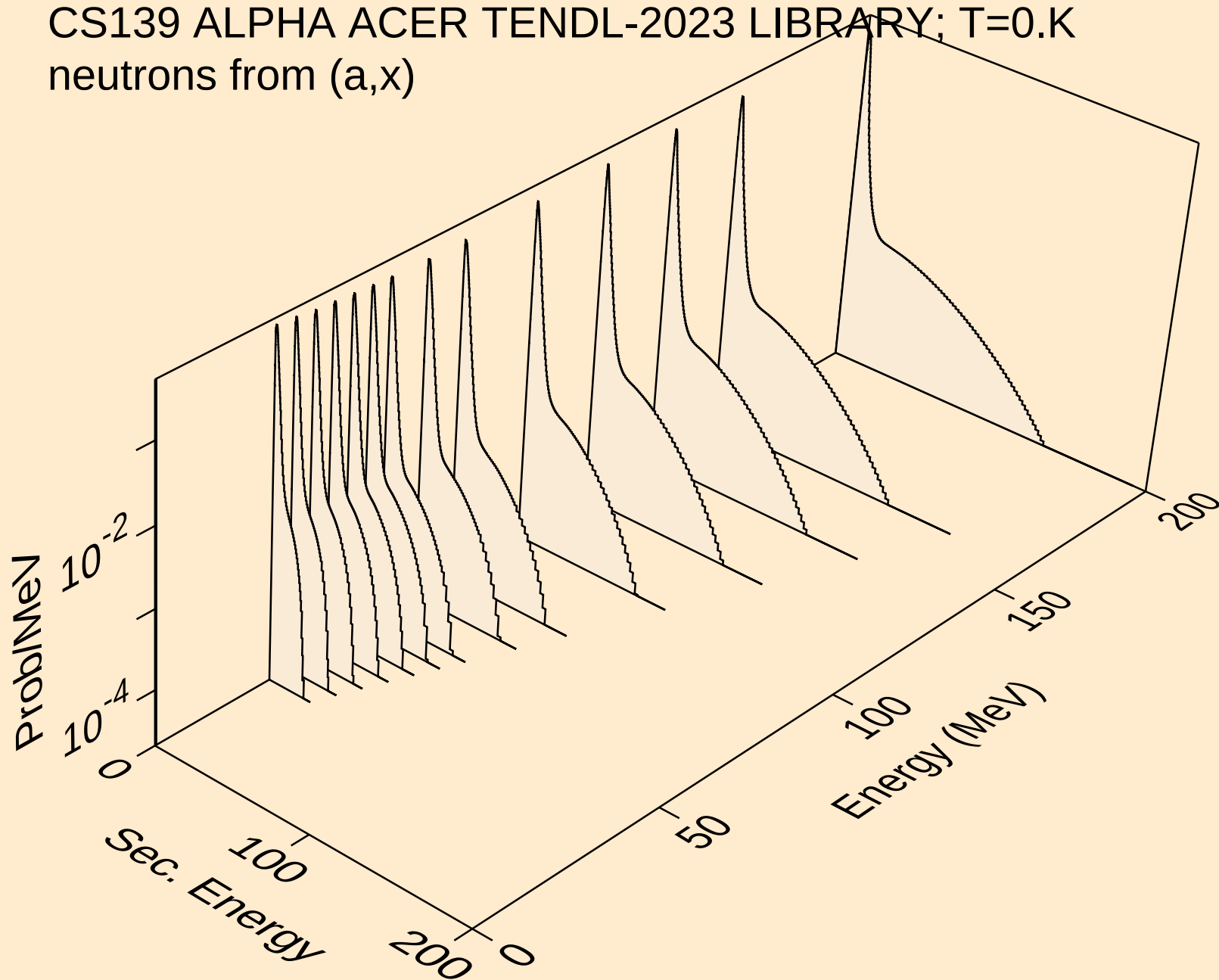
Particle production cross sections



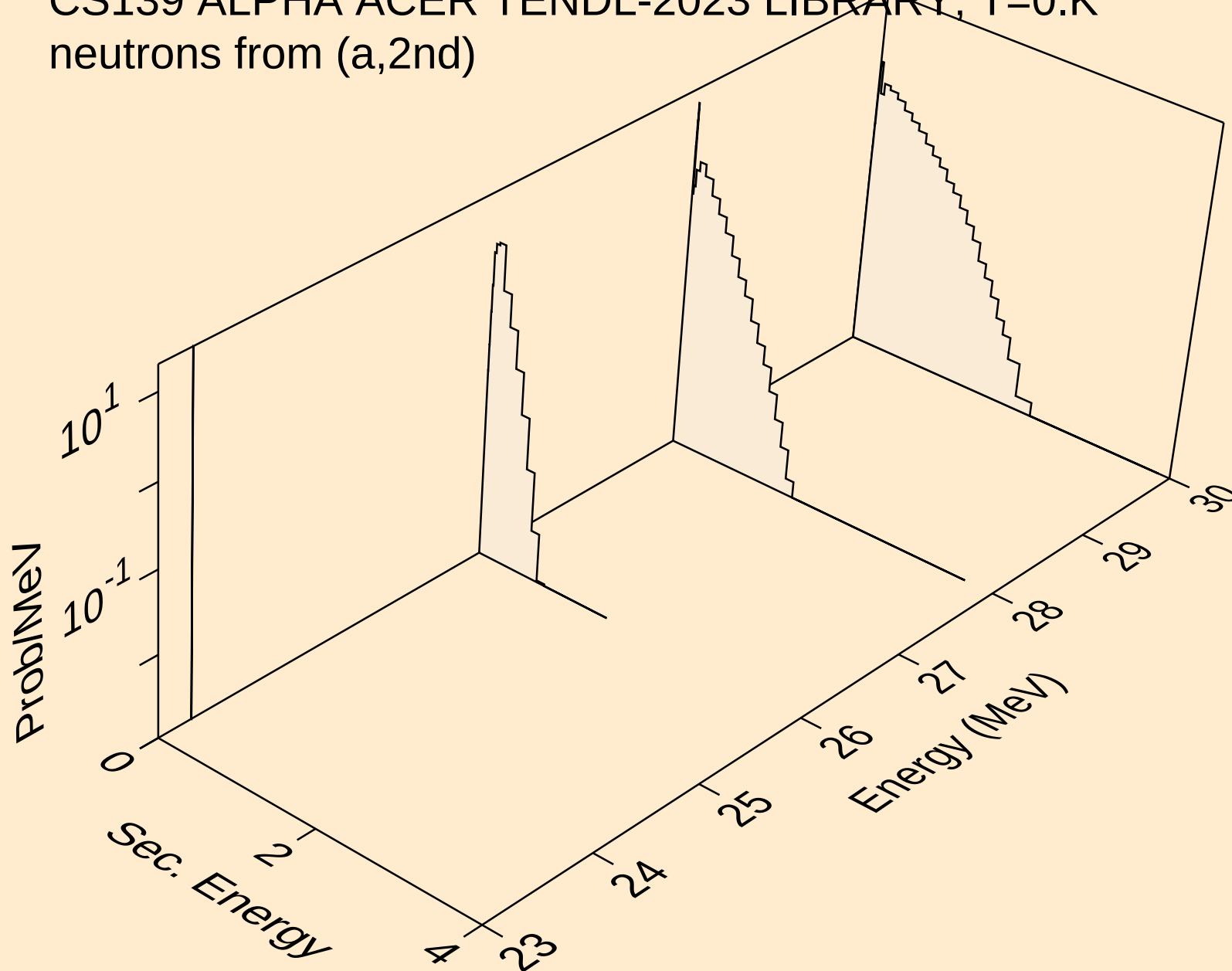
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



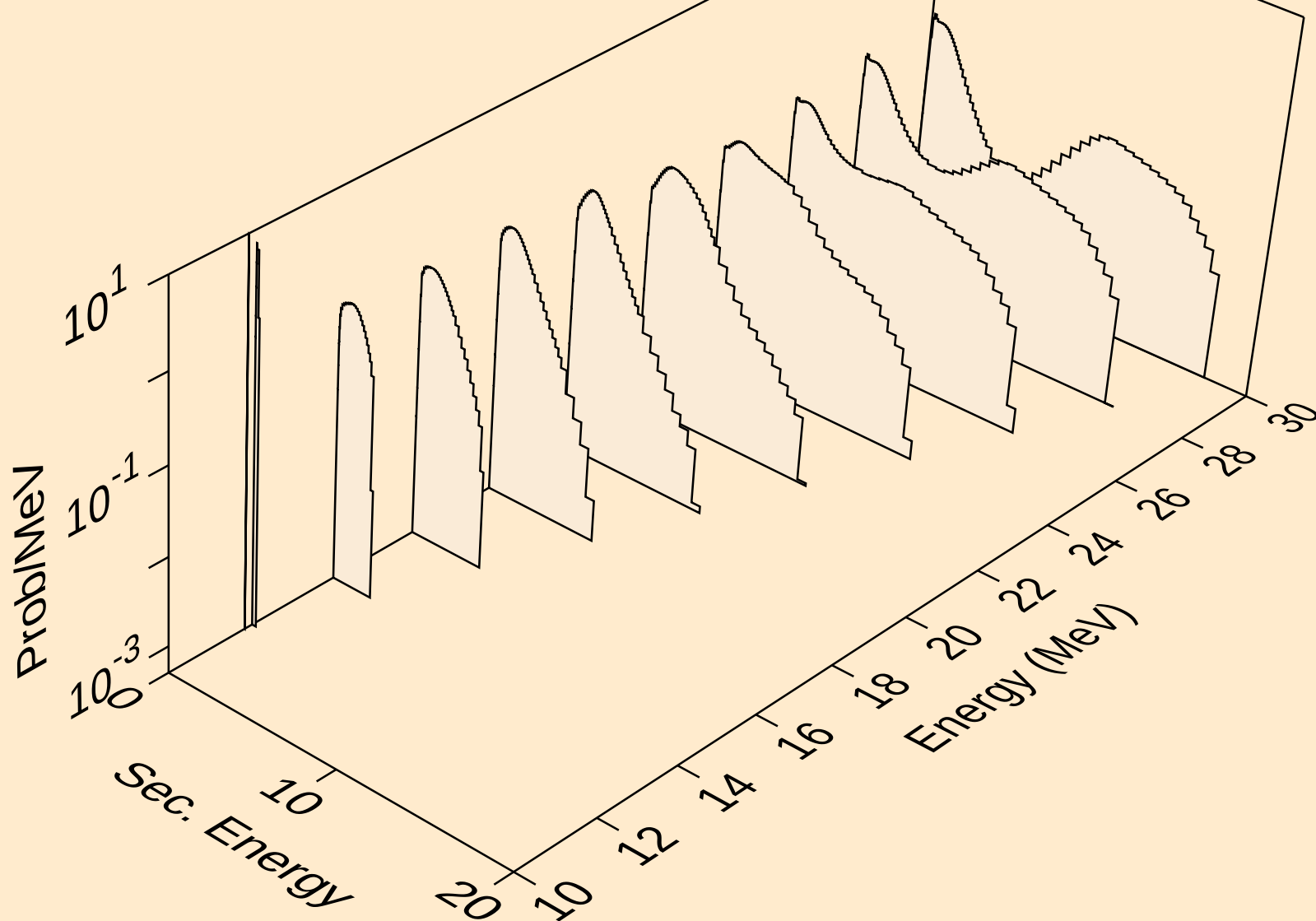
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



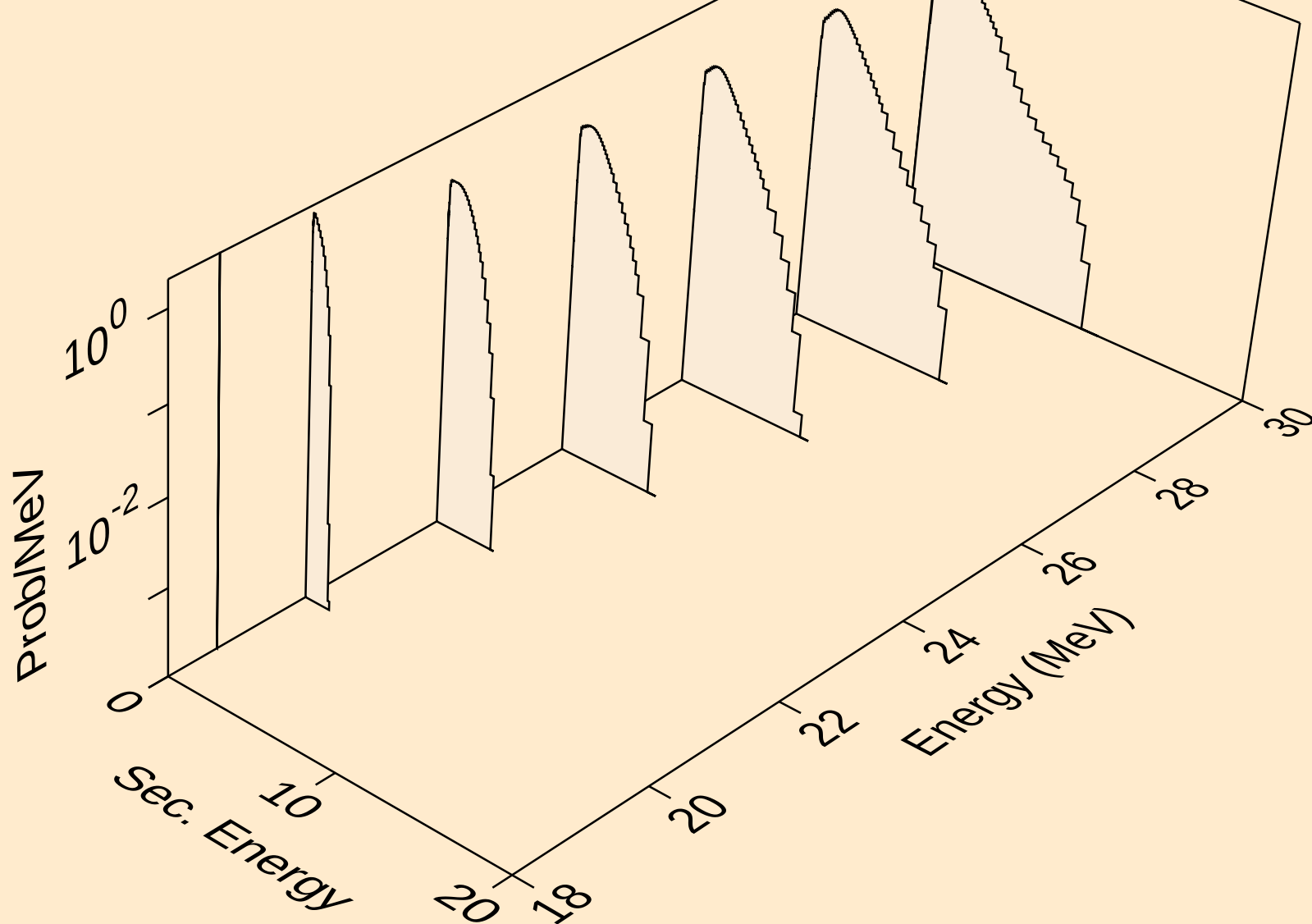
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2nd)



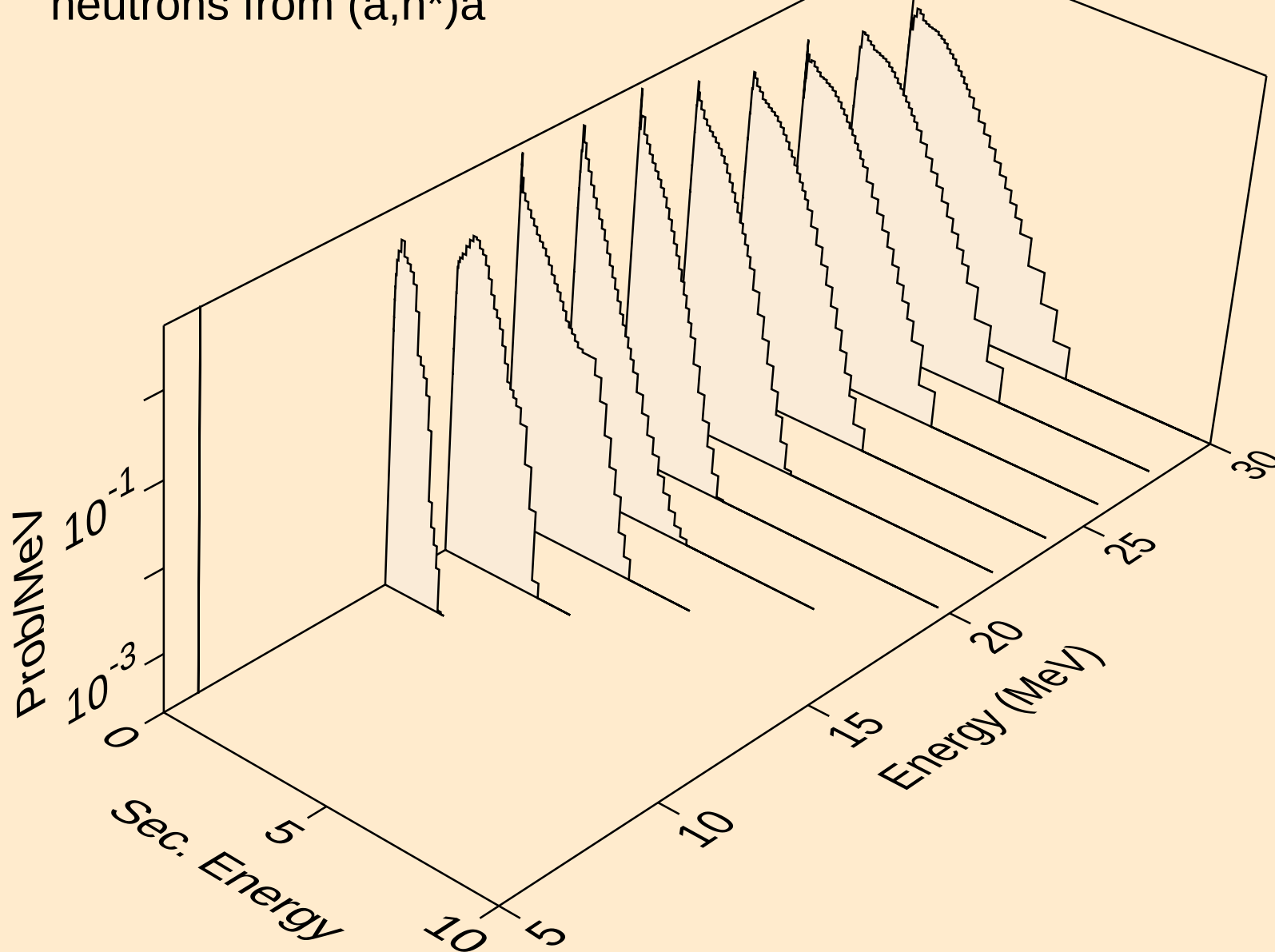
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)



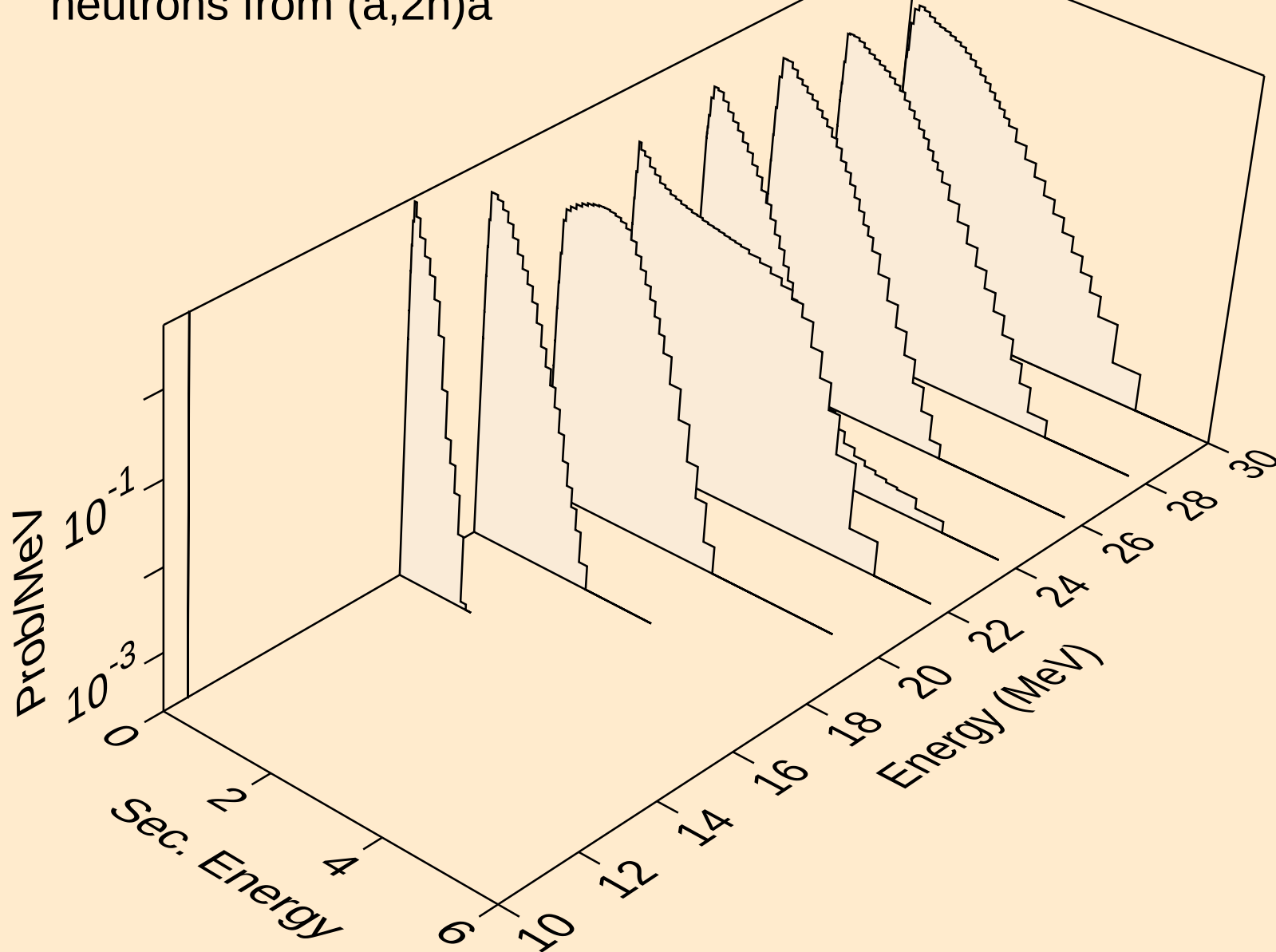
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)



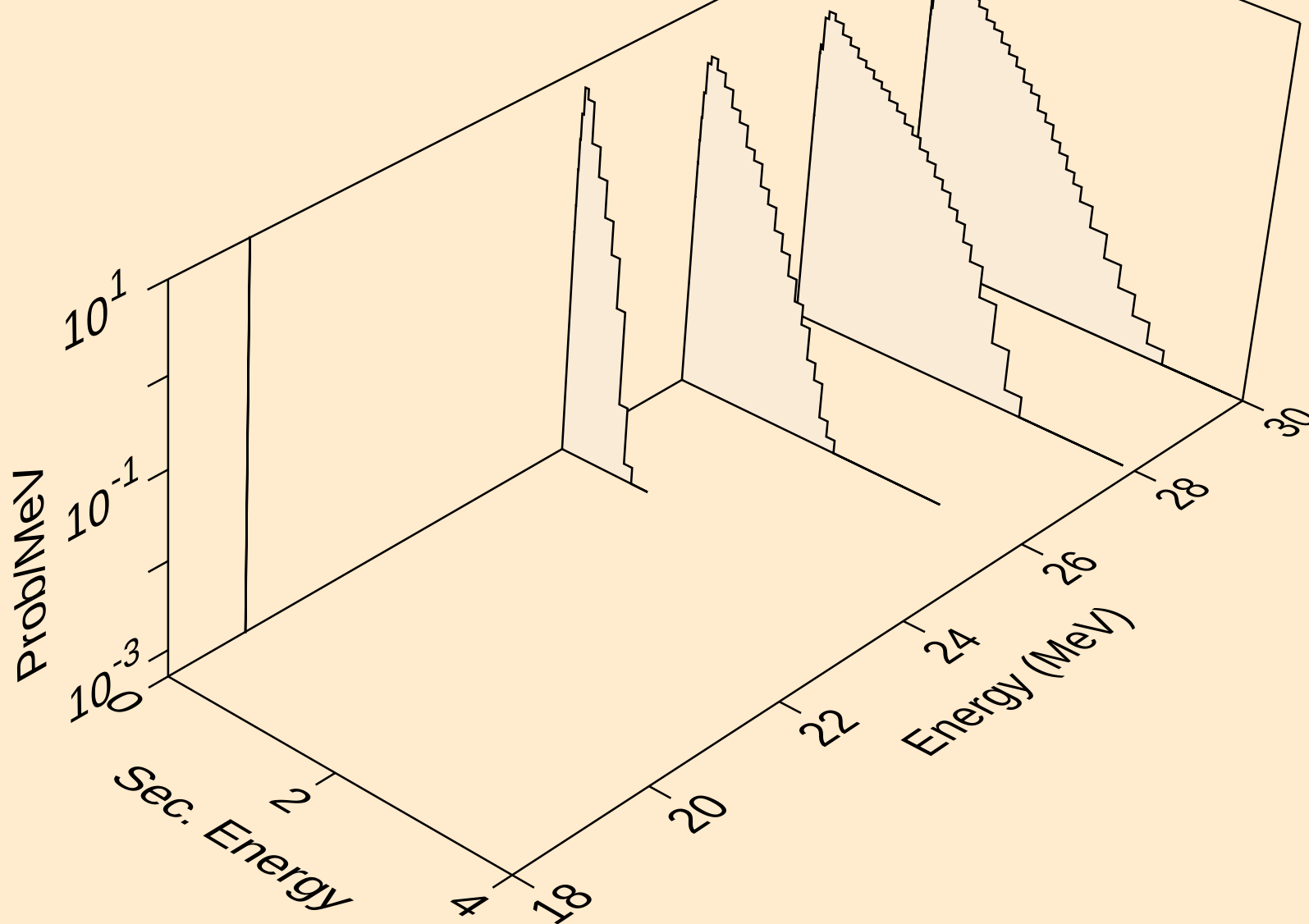
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



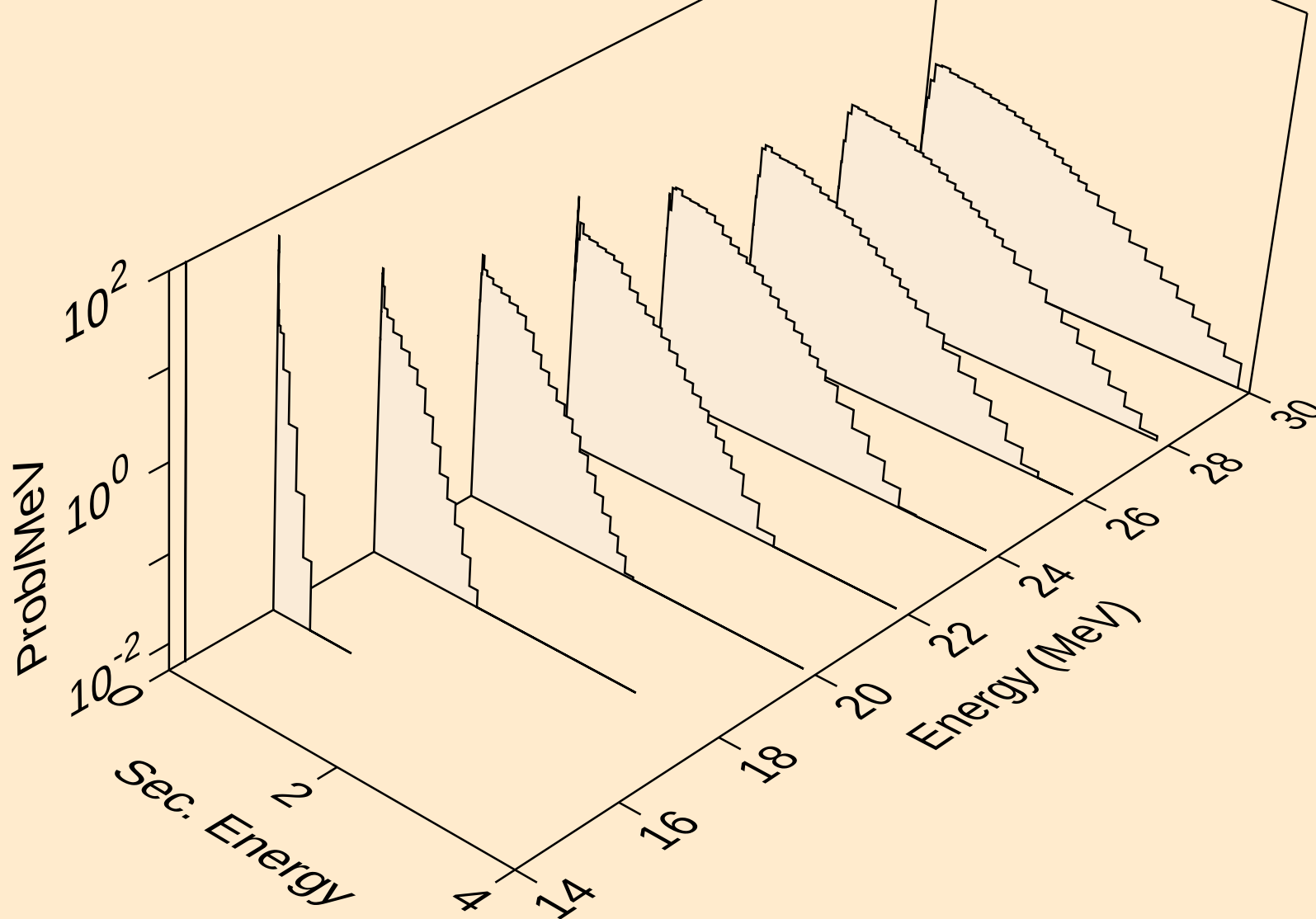
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a



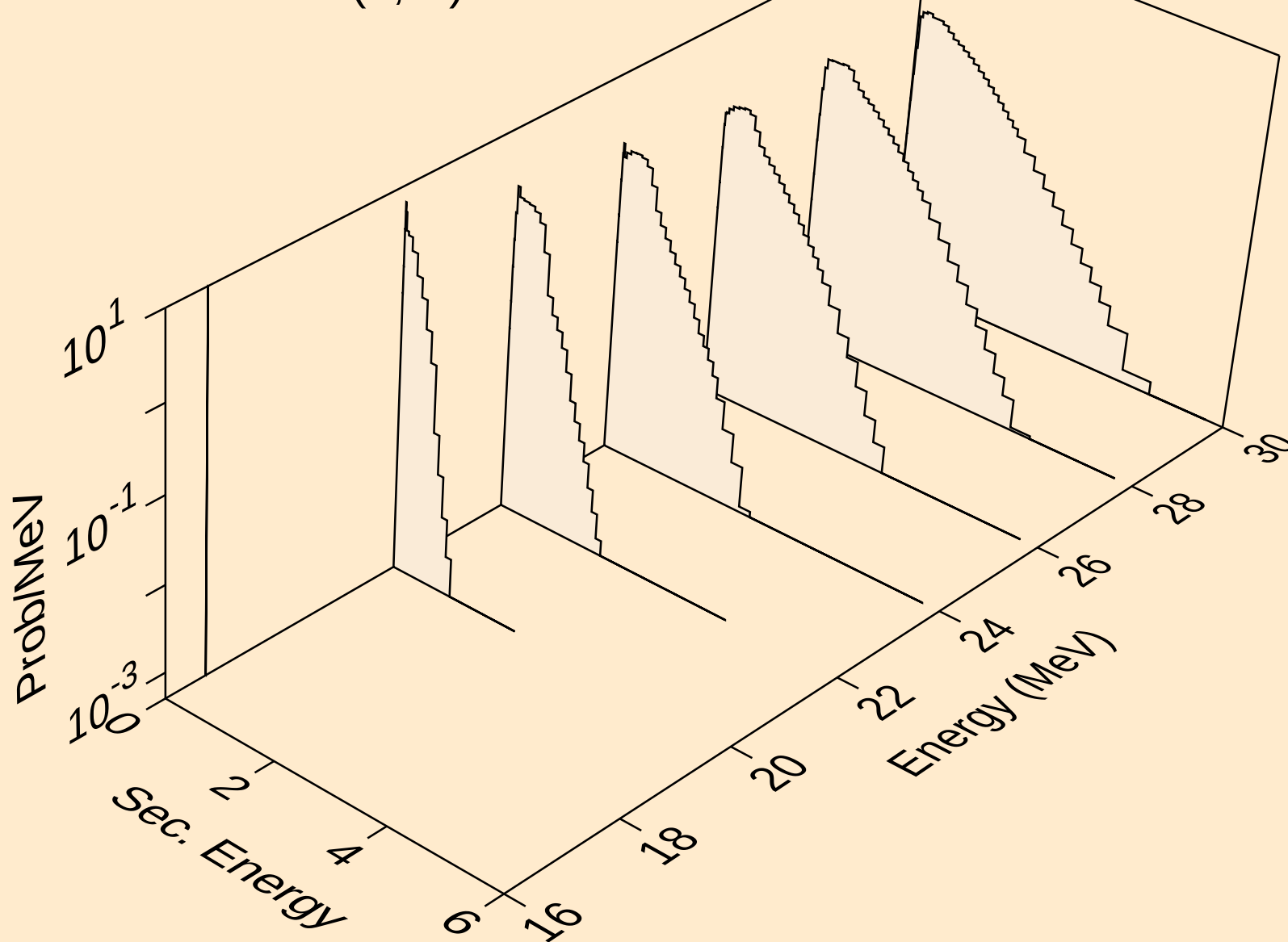
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)a



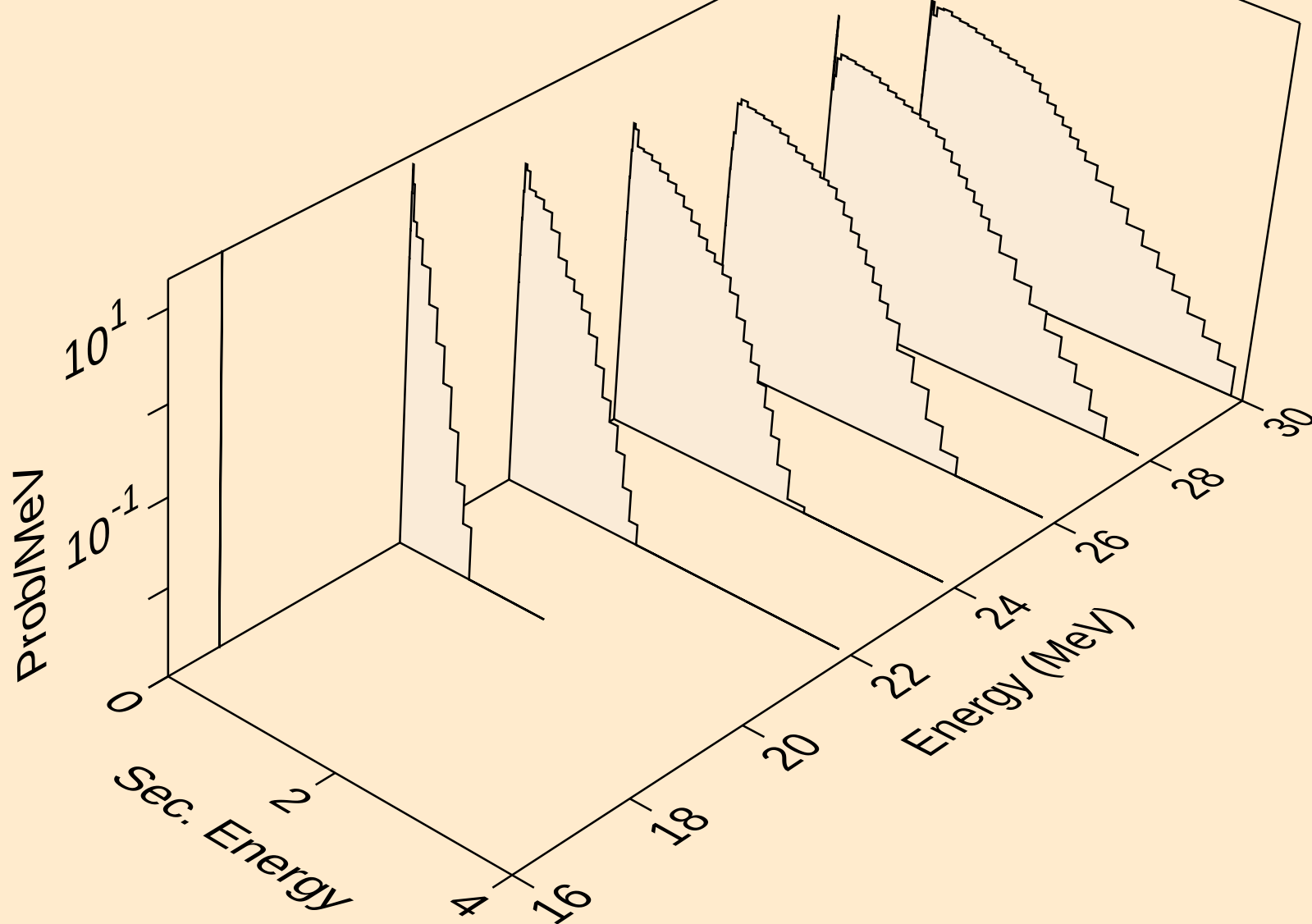
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



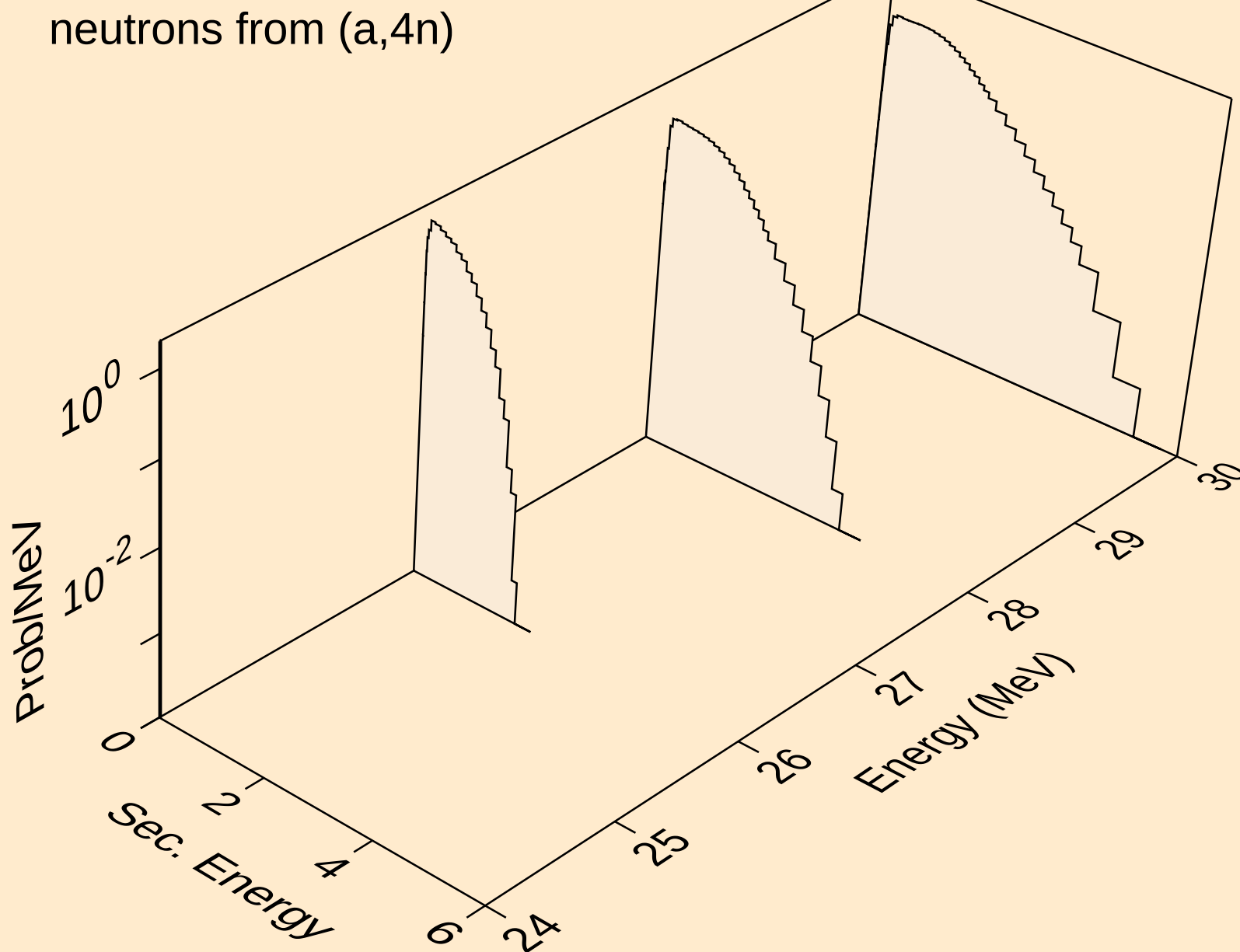
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d



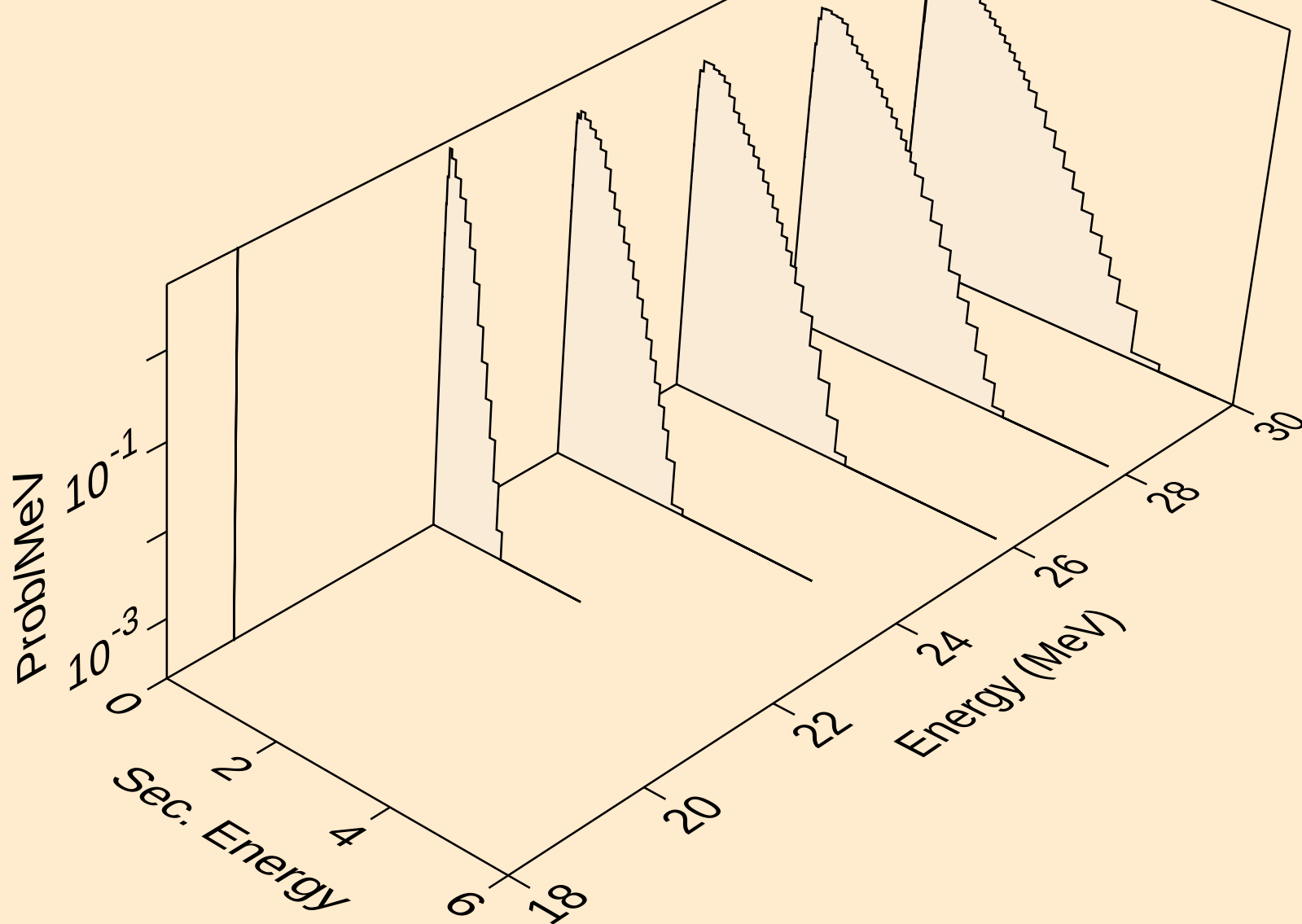
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)t



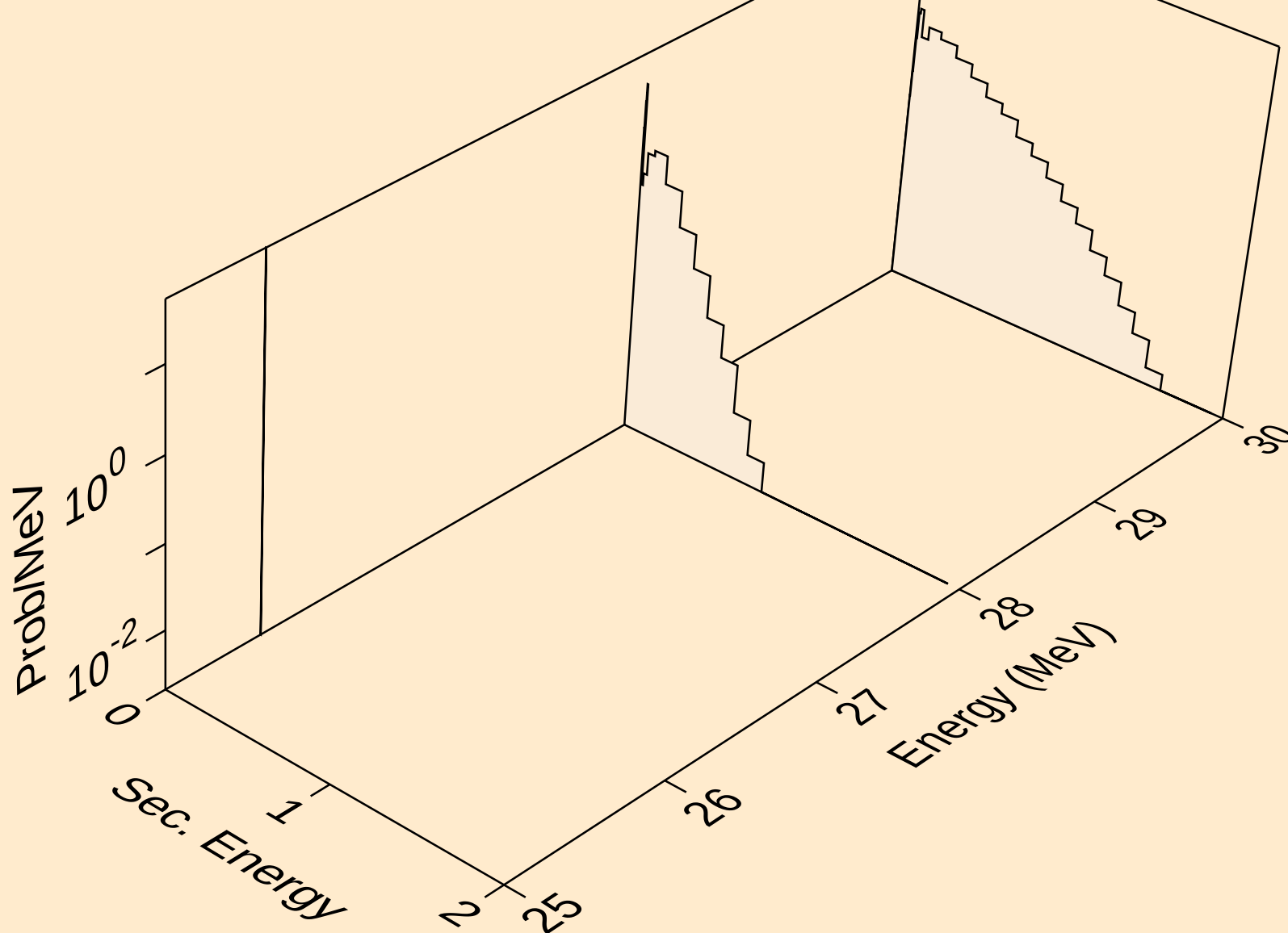
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,4n)



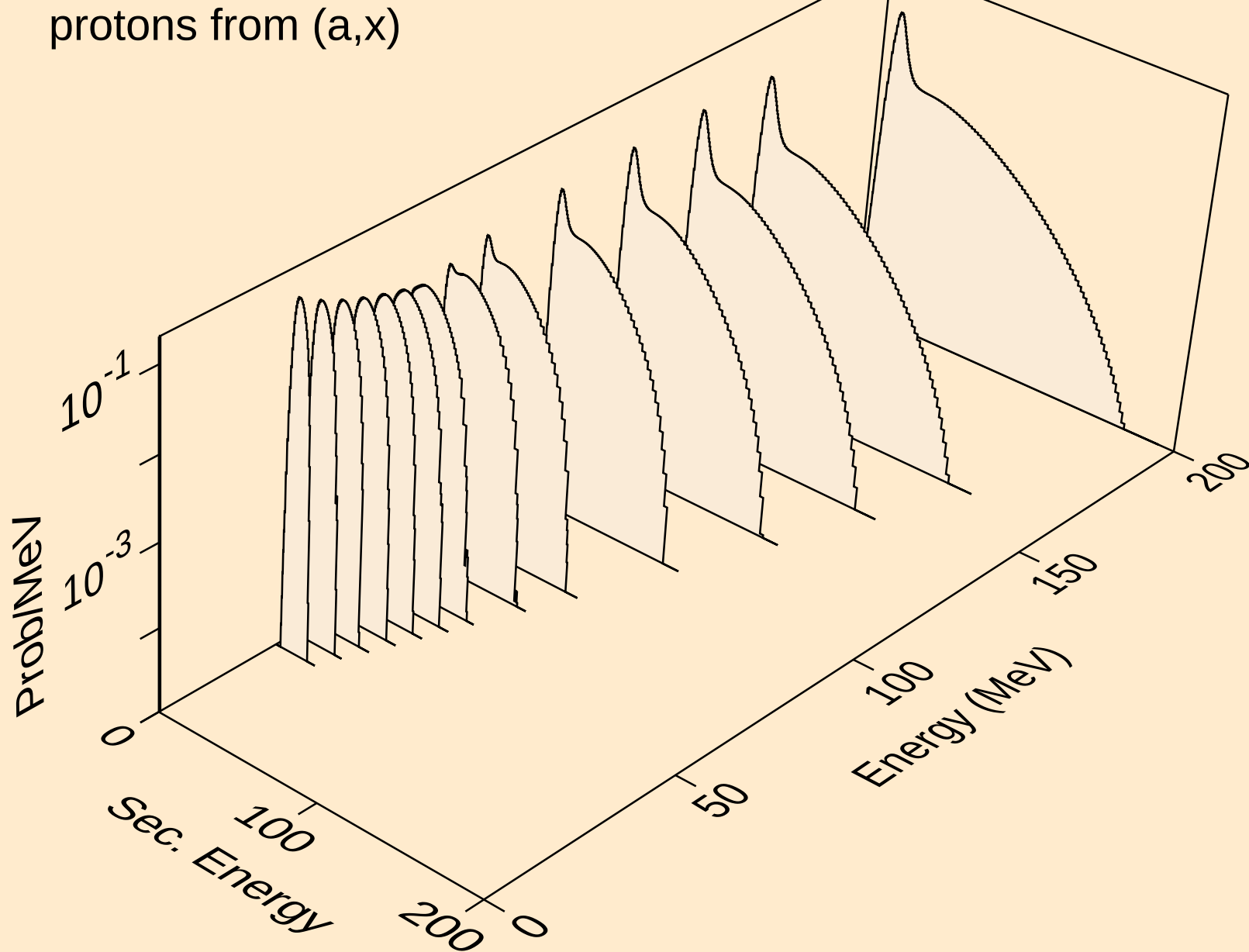
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neutrons from (a,2np)



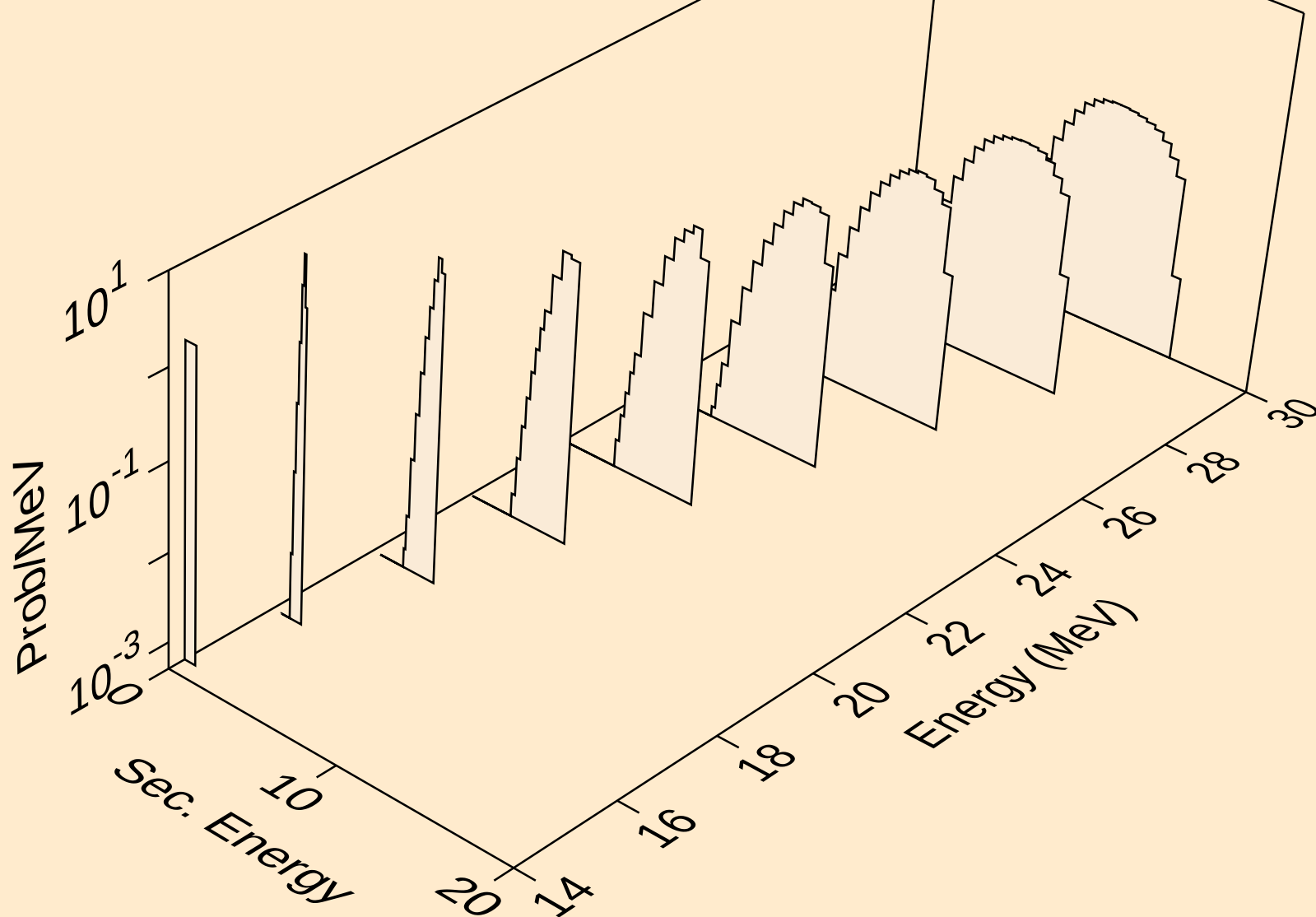
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3np)



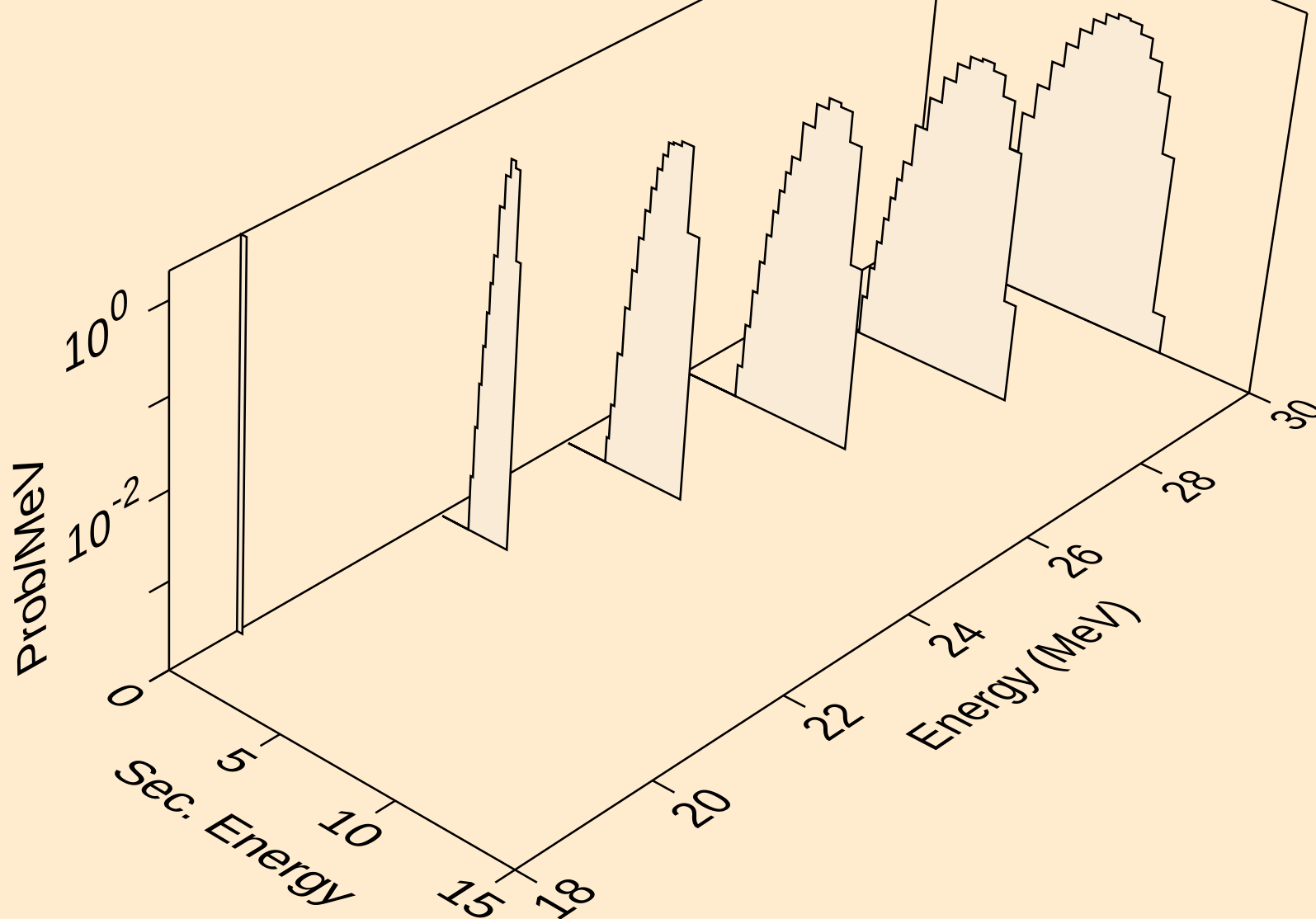
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,x)



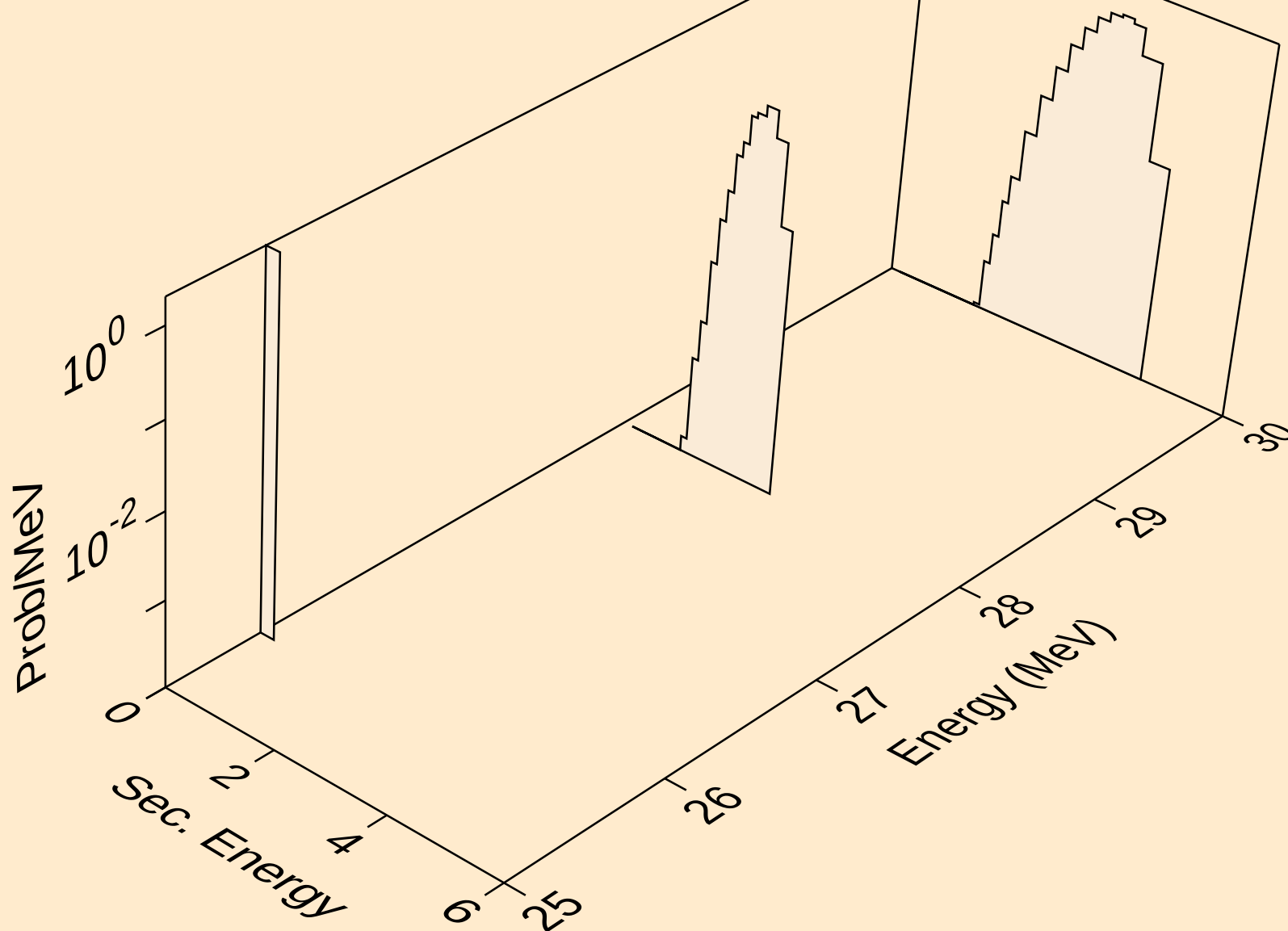
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,n*)p



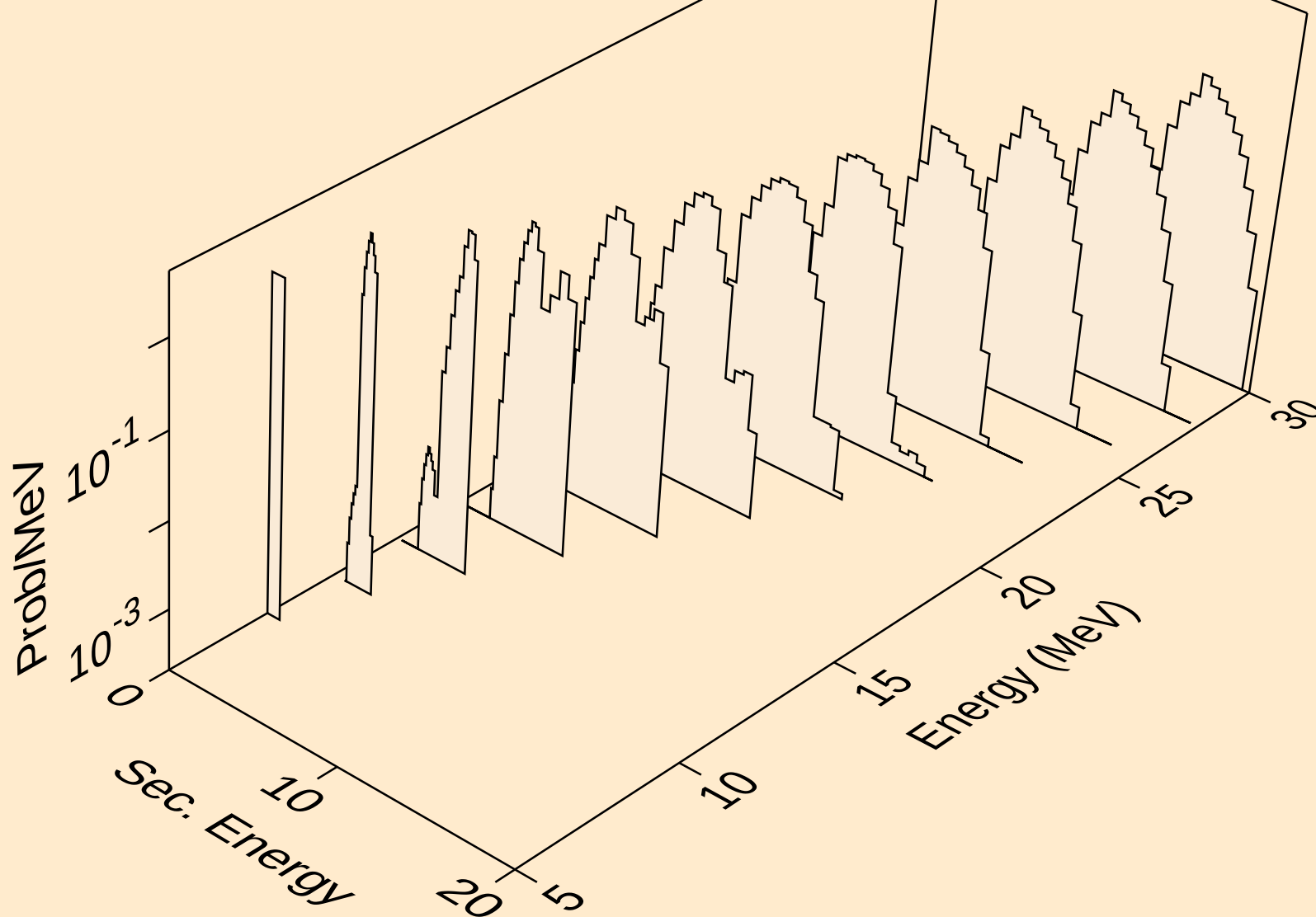
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,2np)



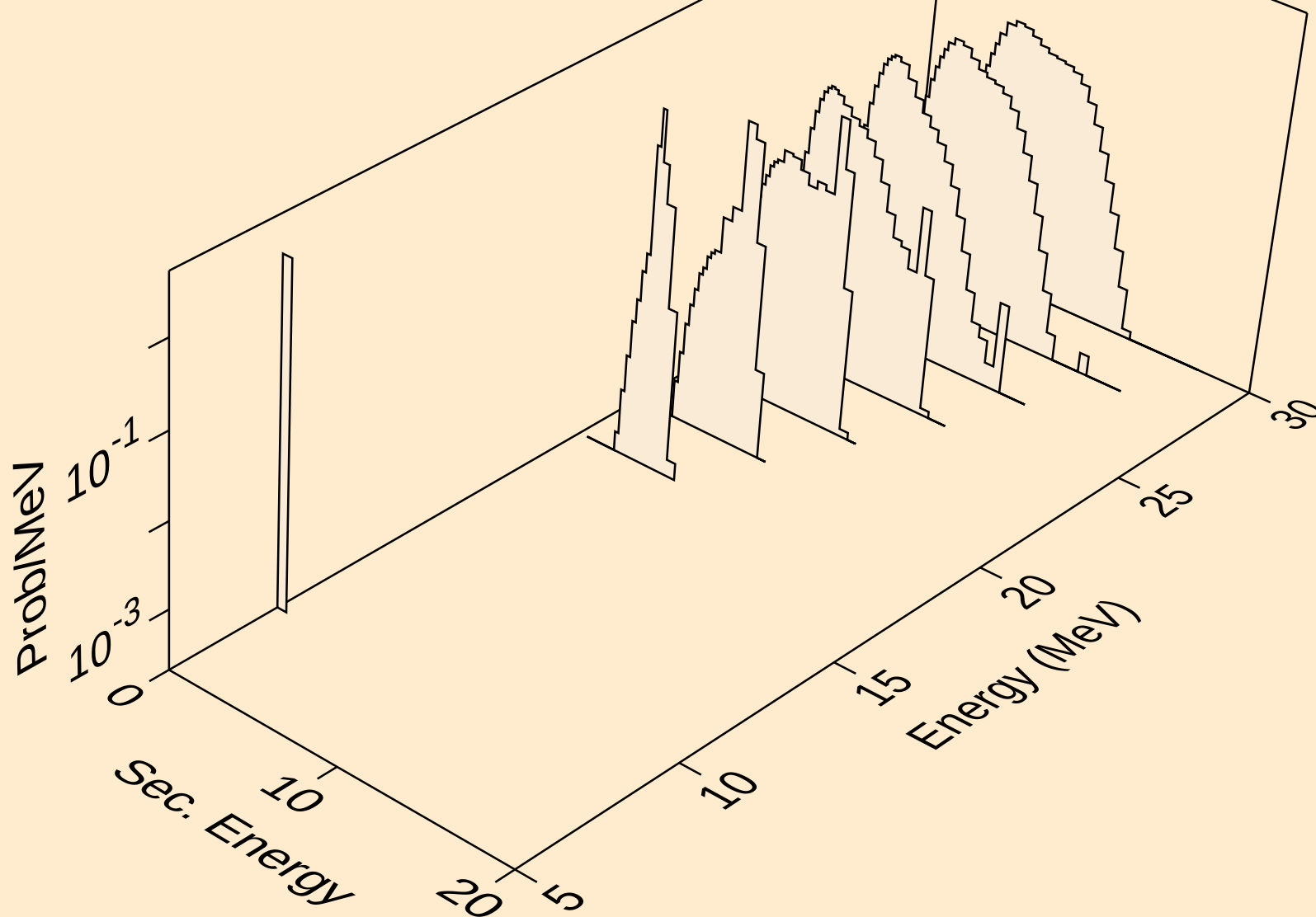
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protons from (a,3np)



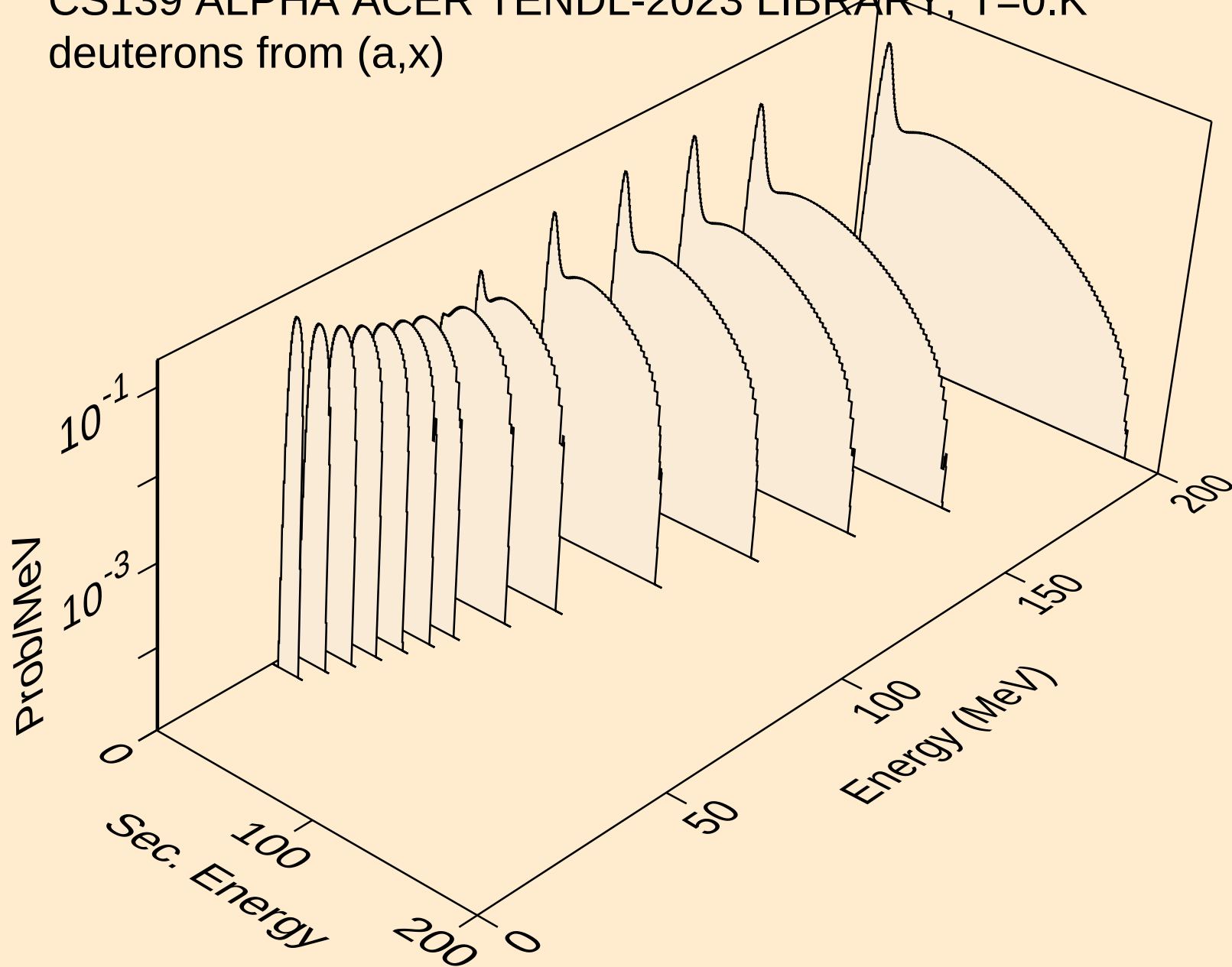
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,p)



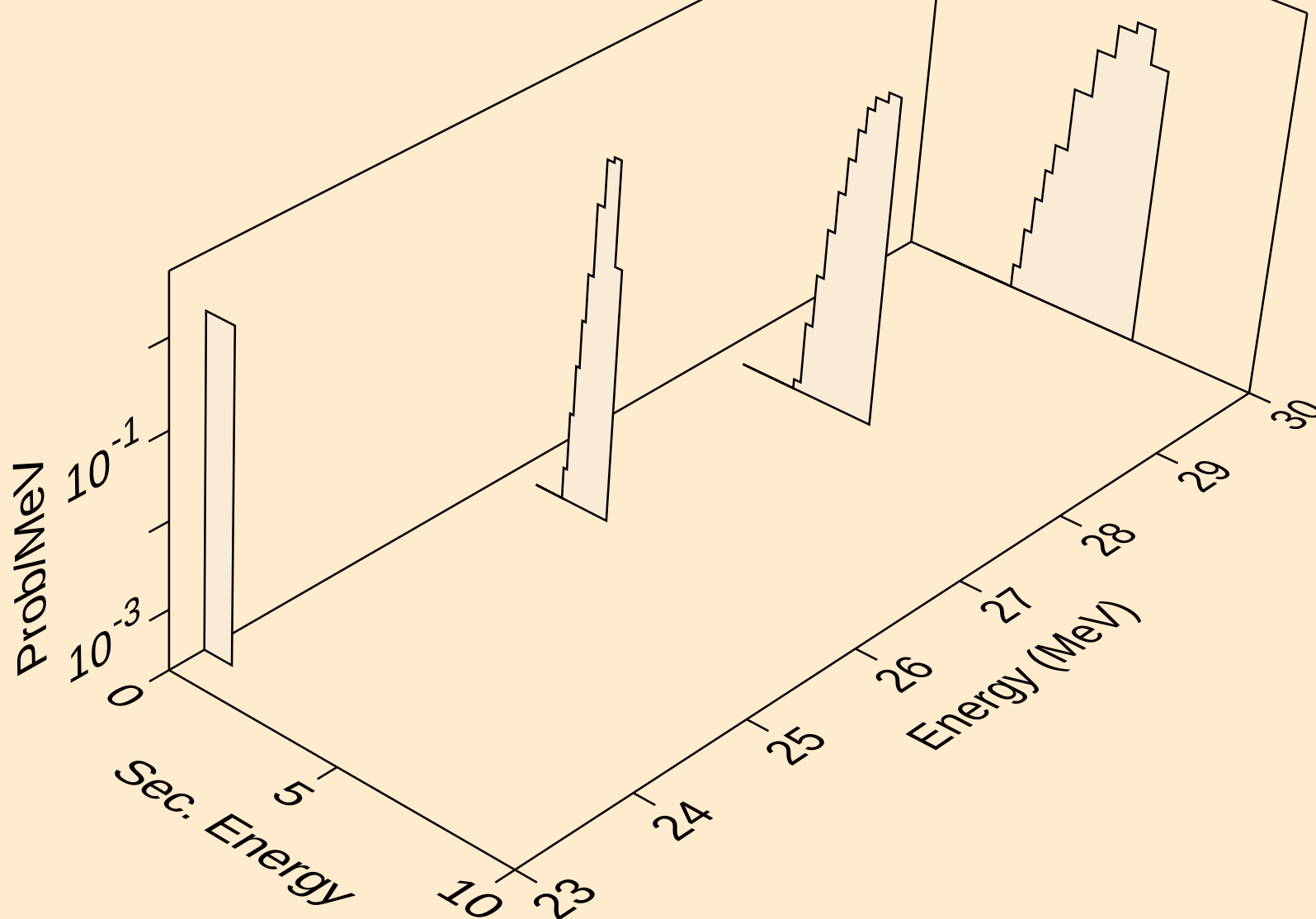
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,pa)



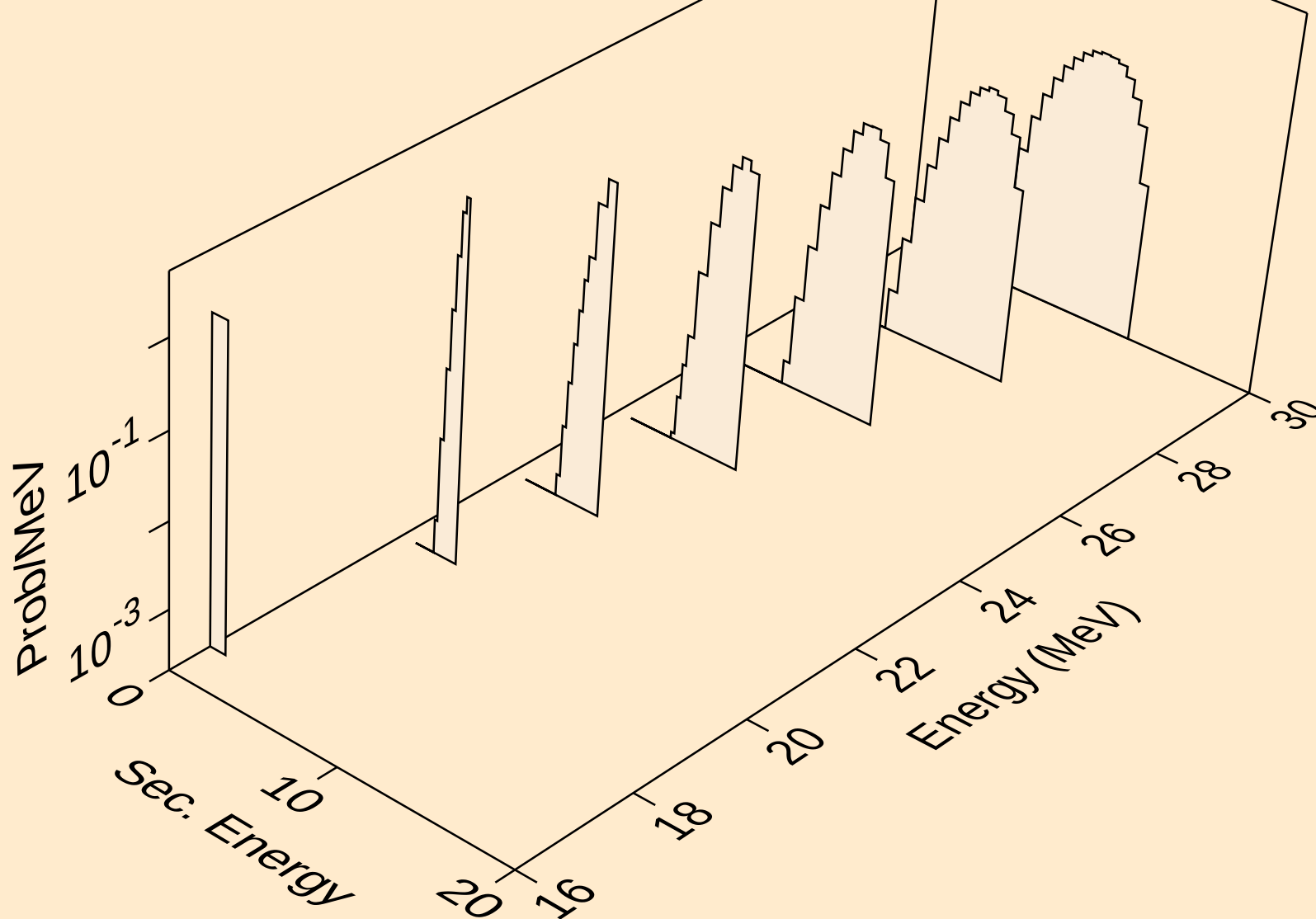
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



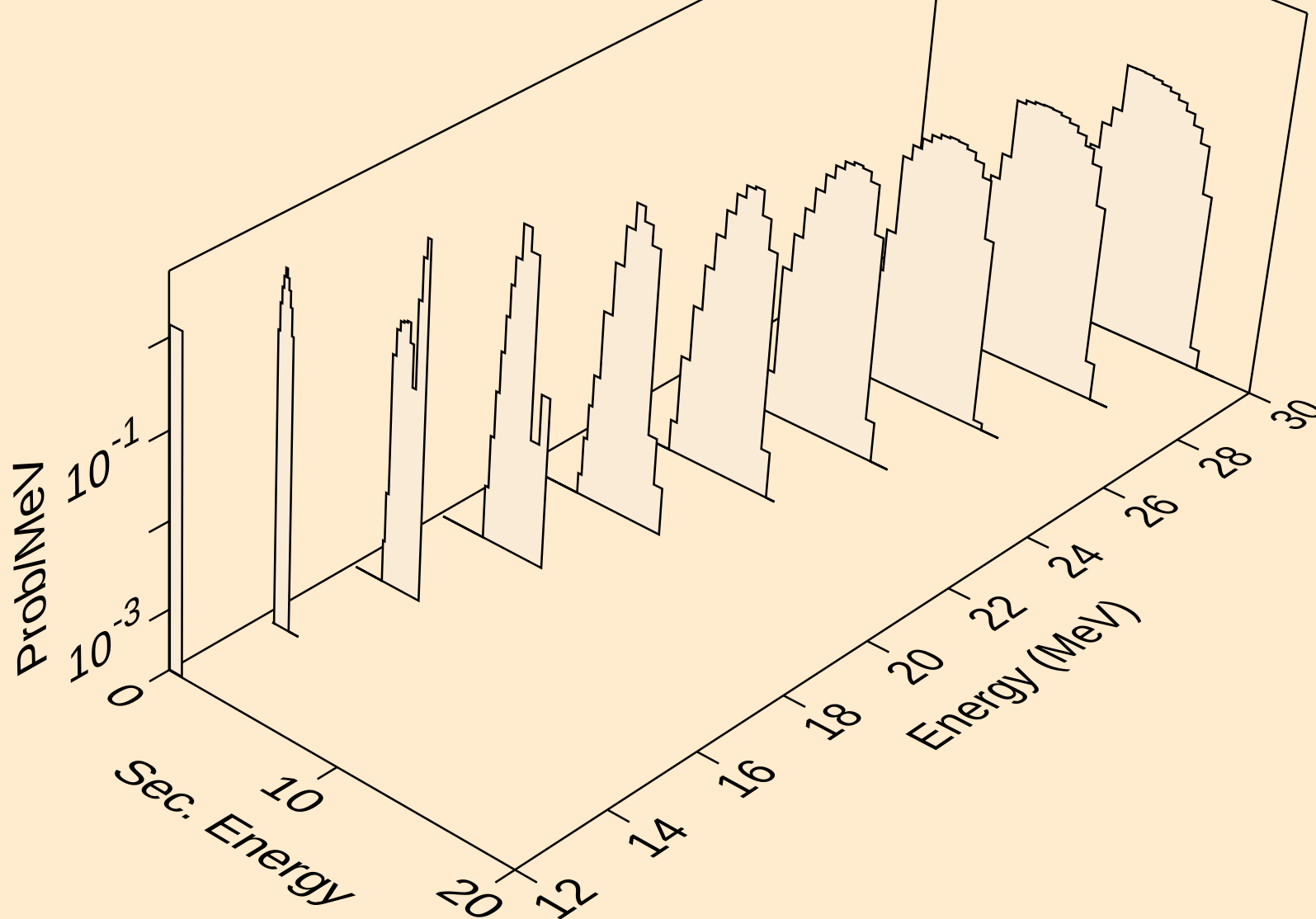
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deuterons from (a,2nd)



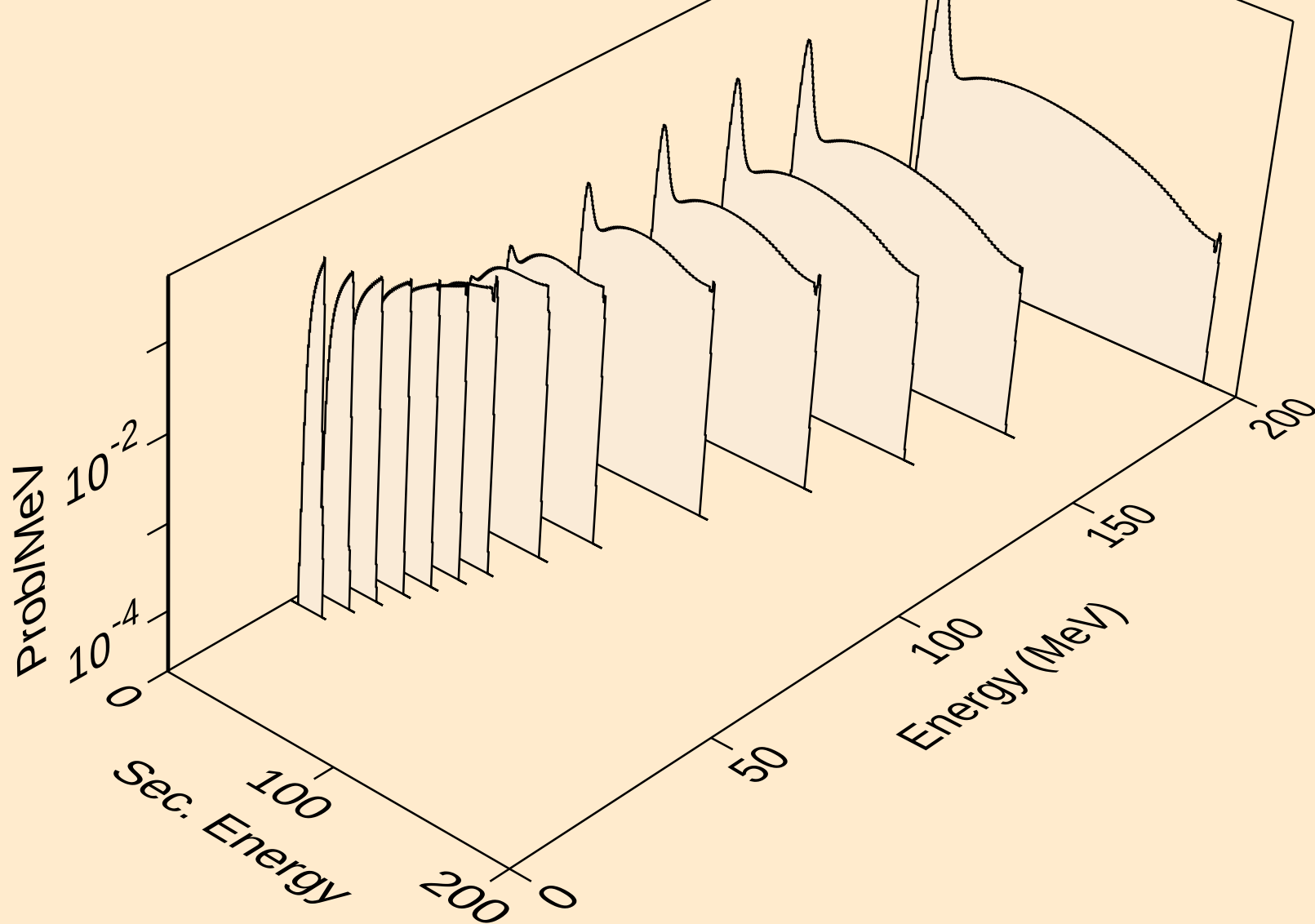
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,n*)d



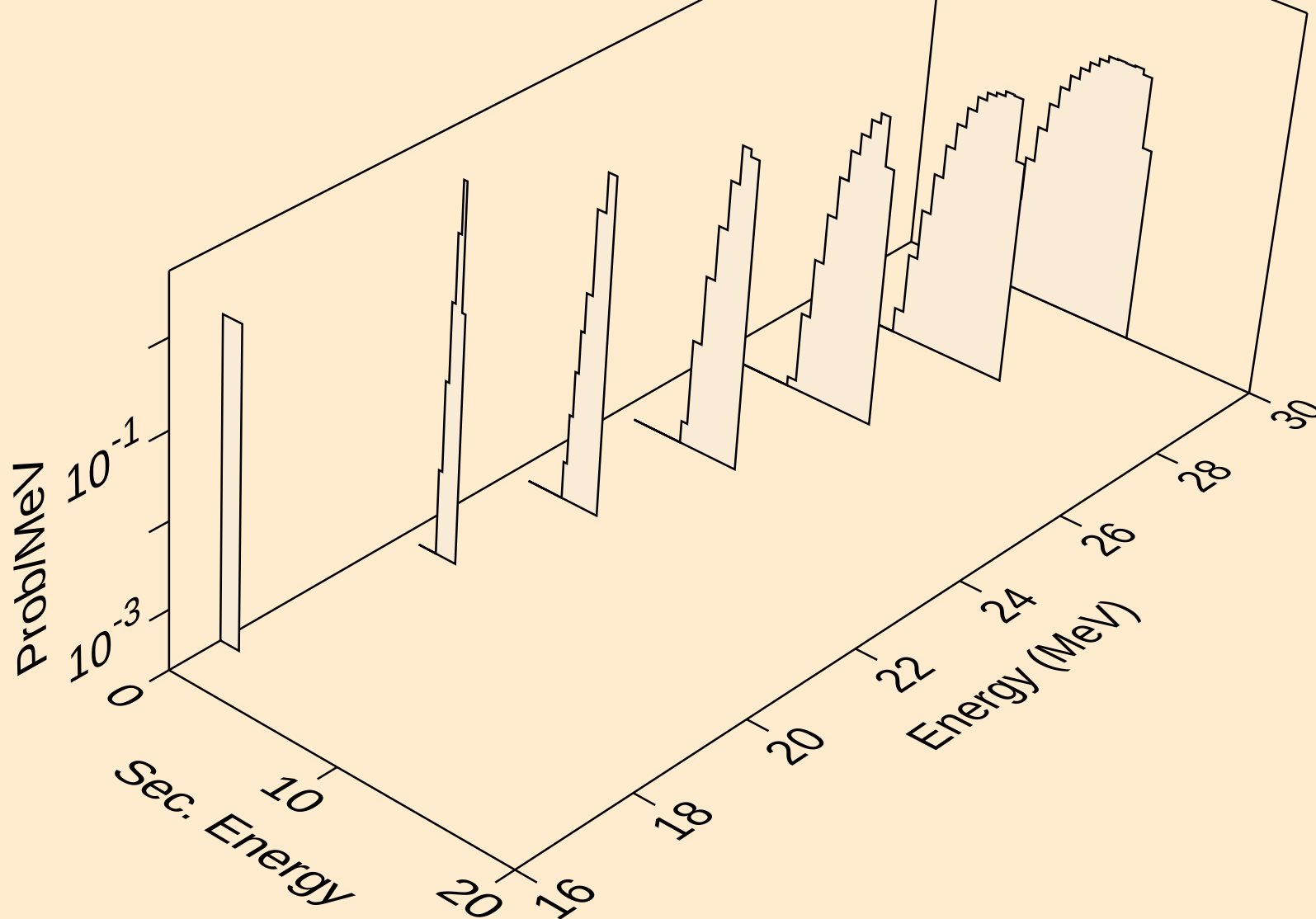
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deuterons from (a,d)



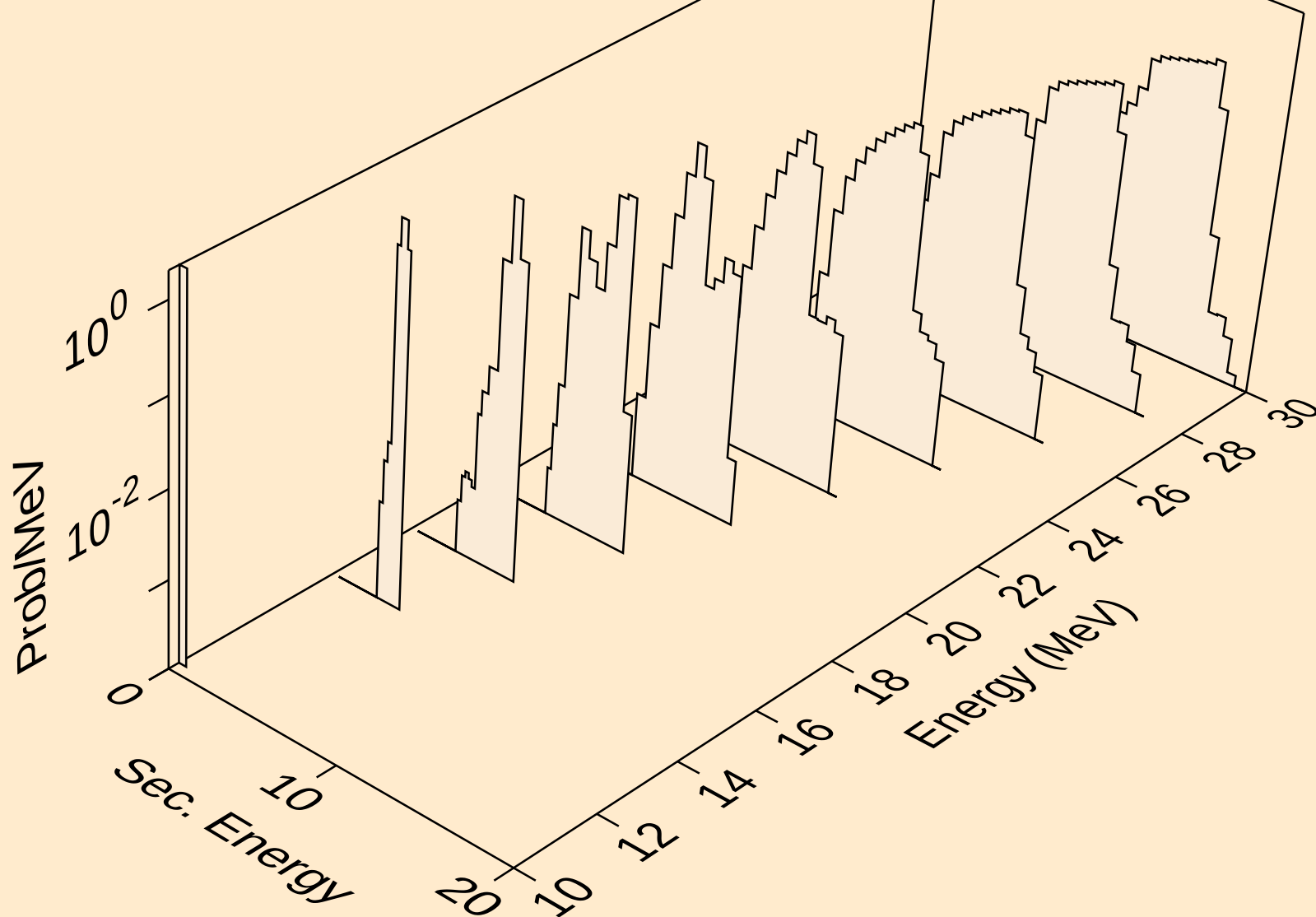
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)



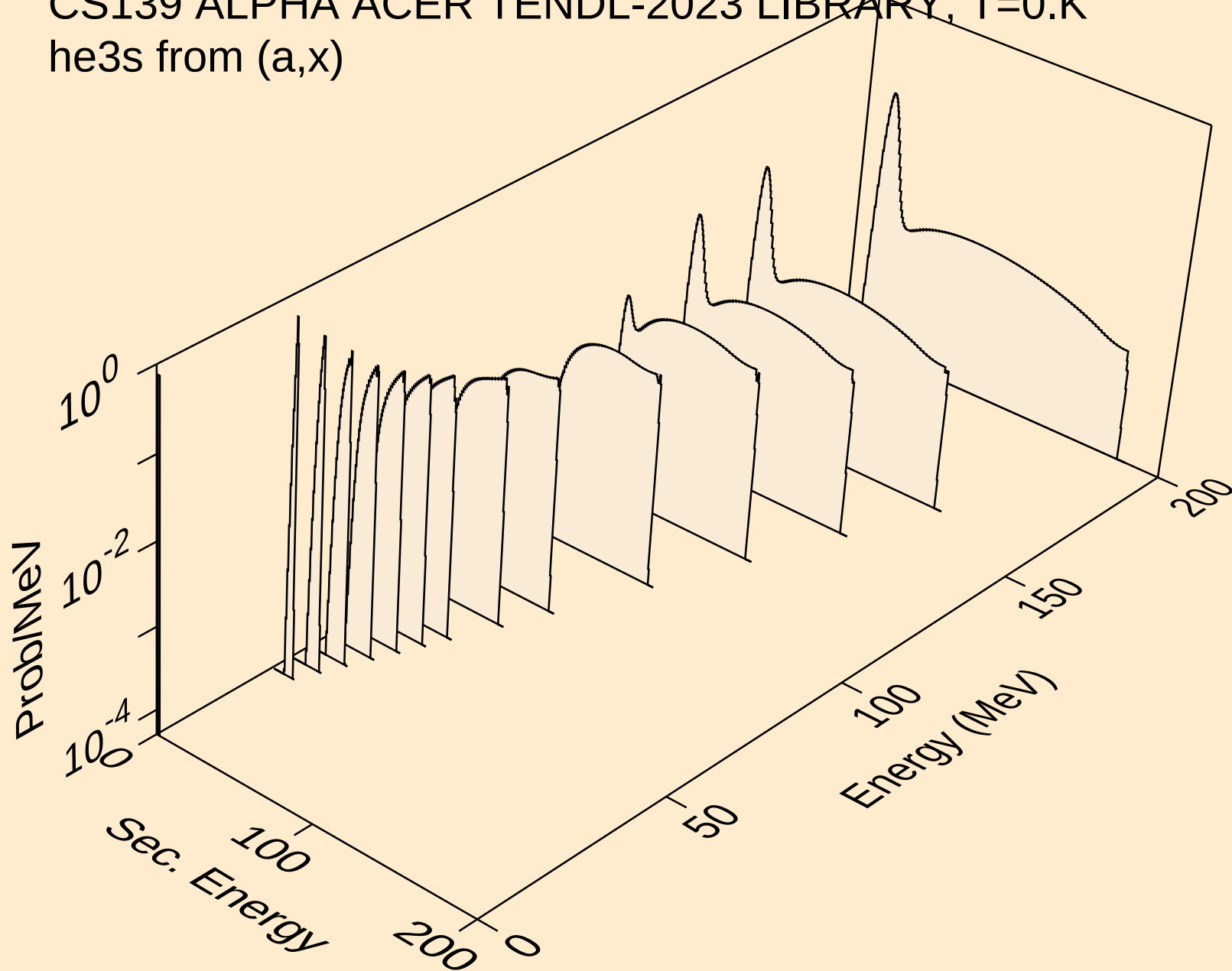
CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,n*)t



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



CS139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

