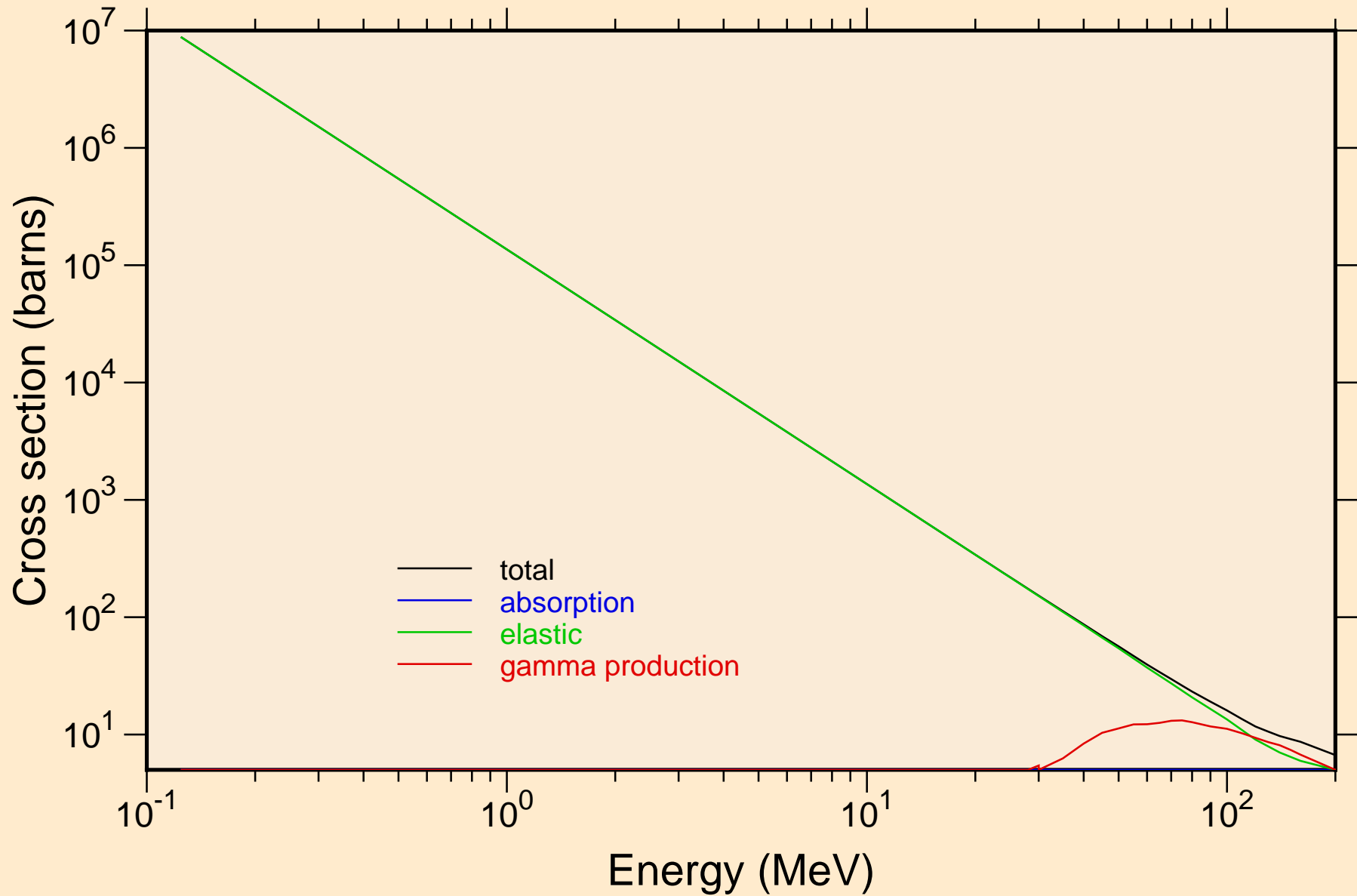
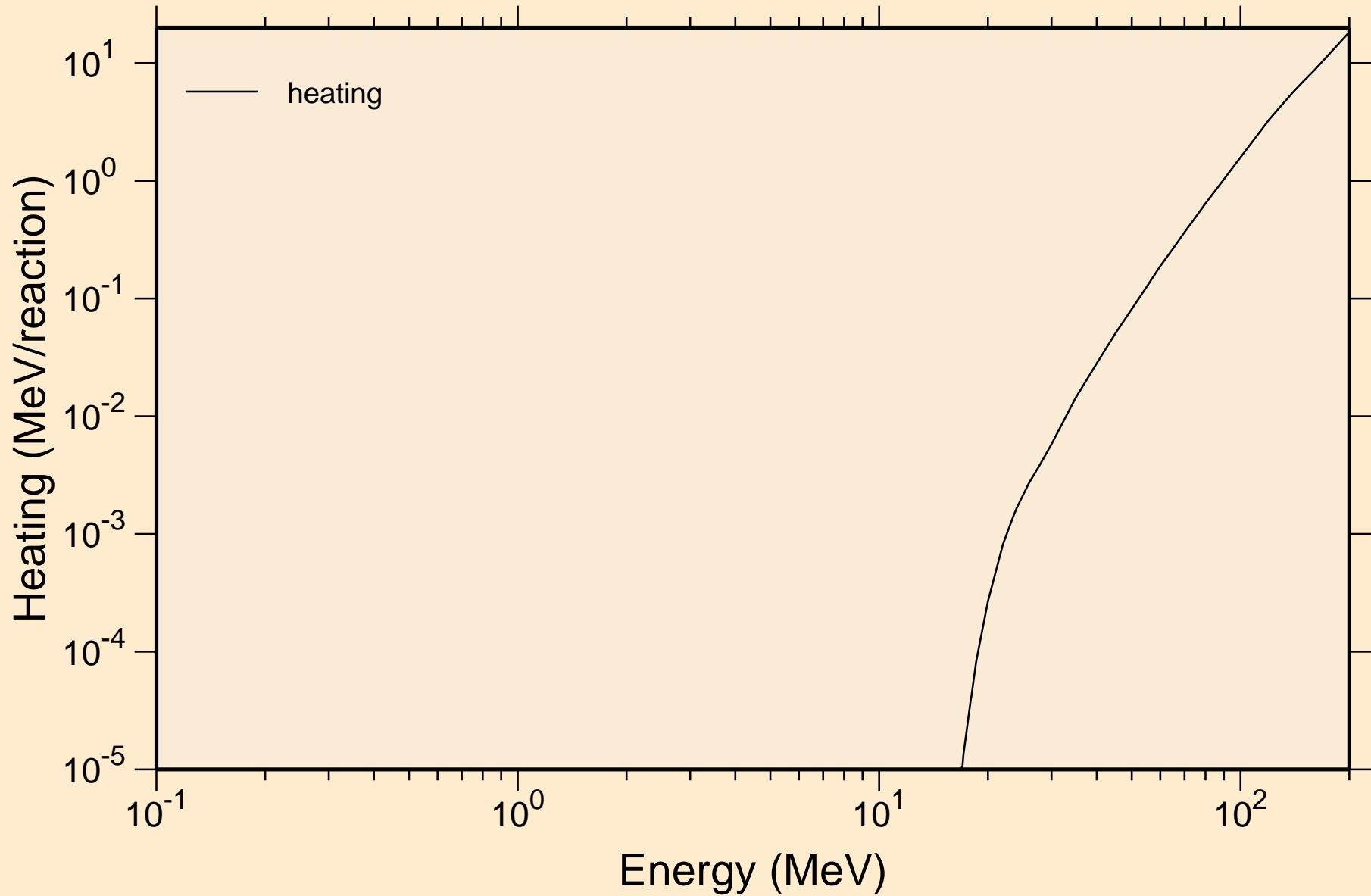


TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



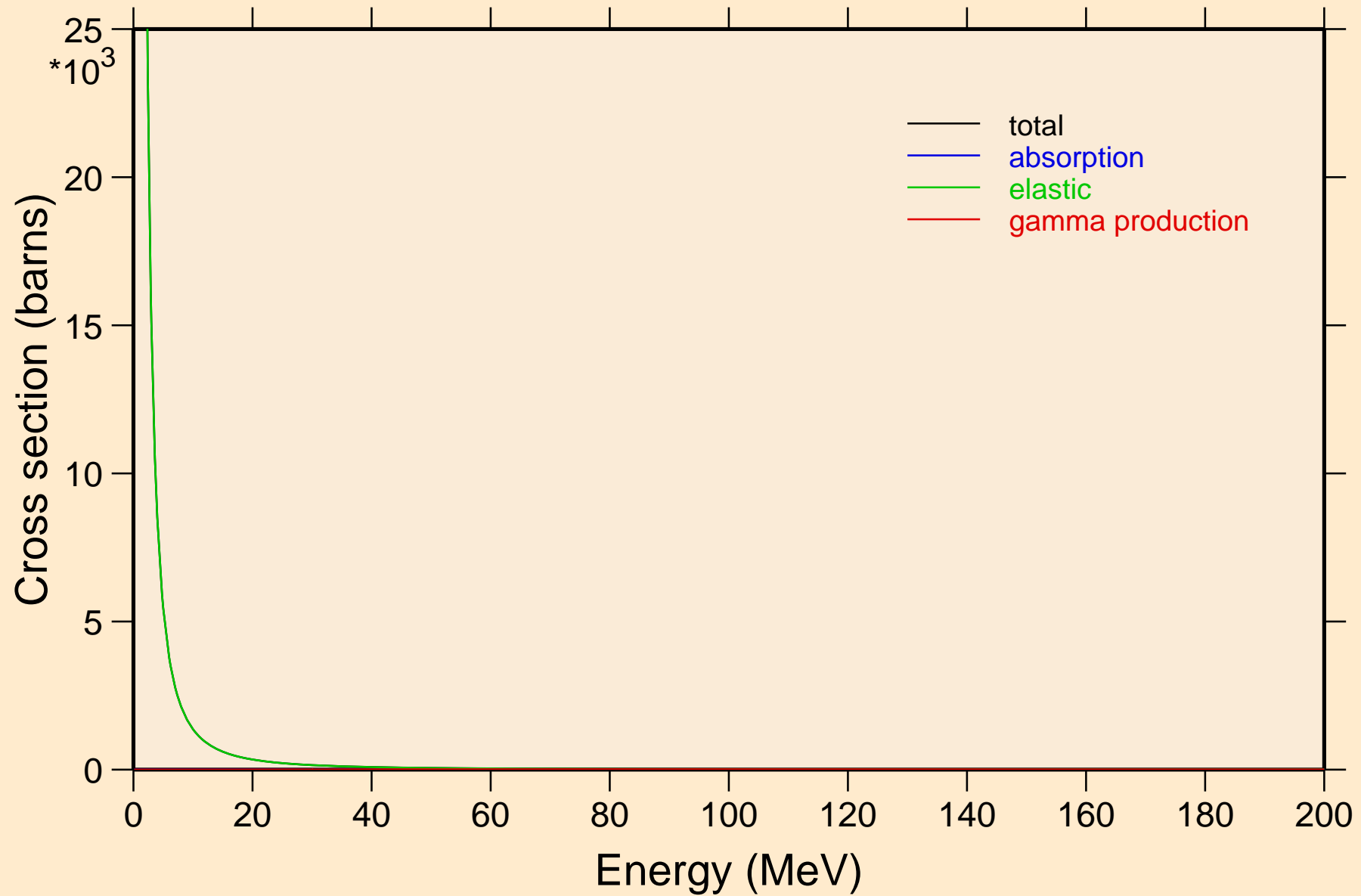
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



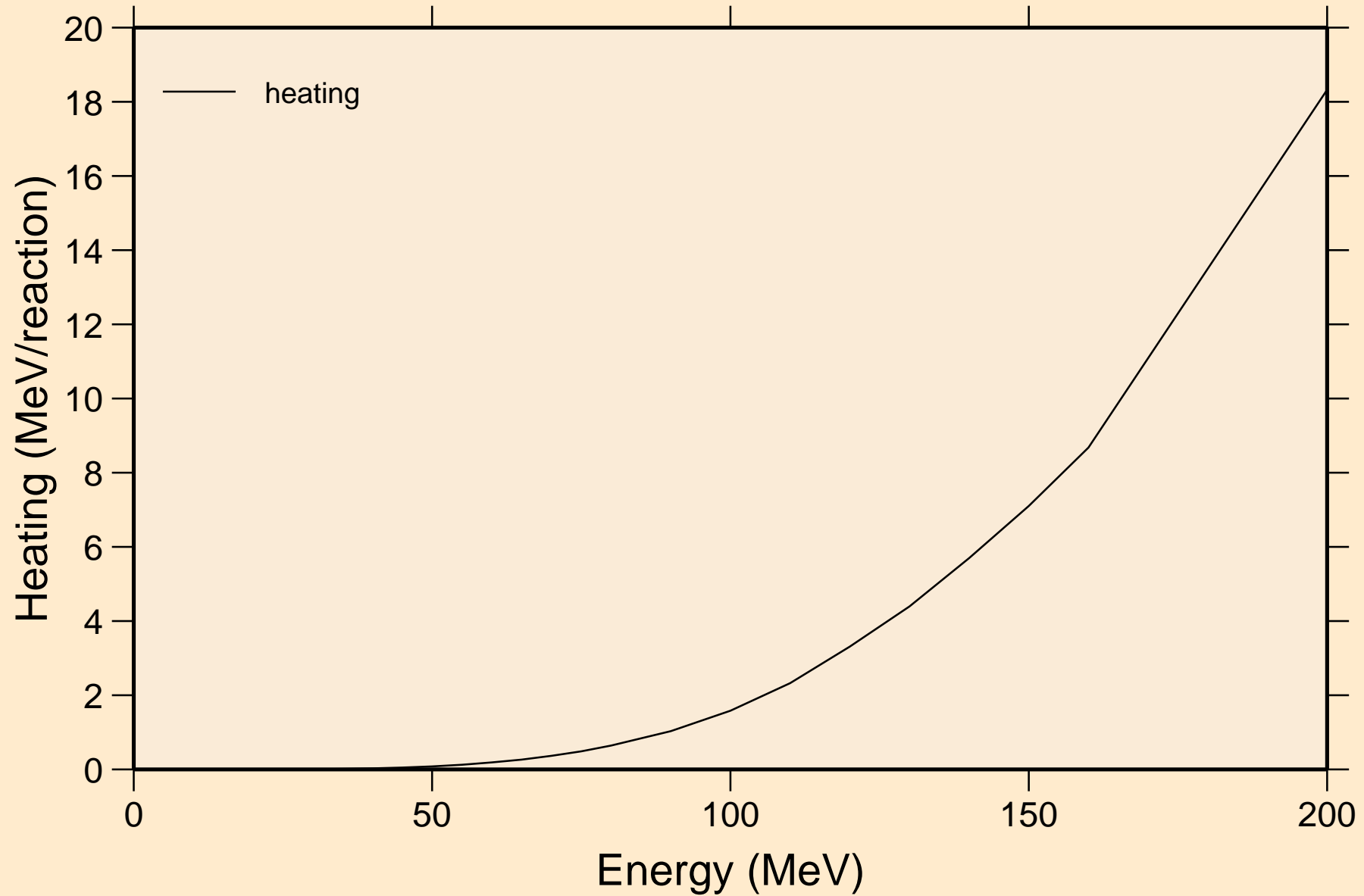
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

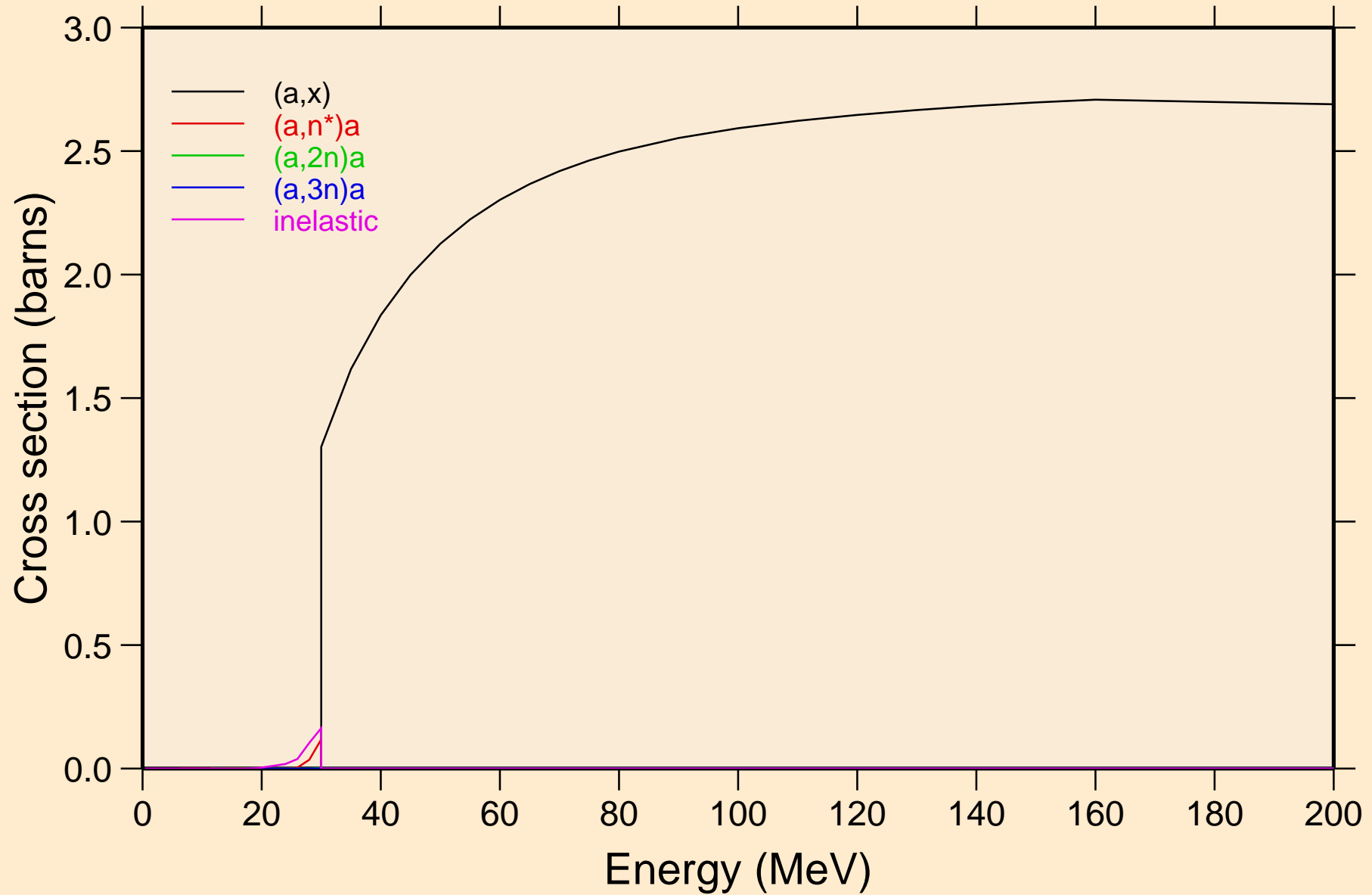


TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

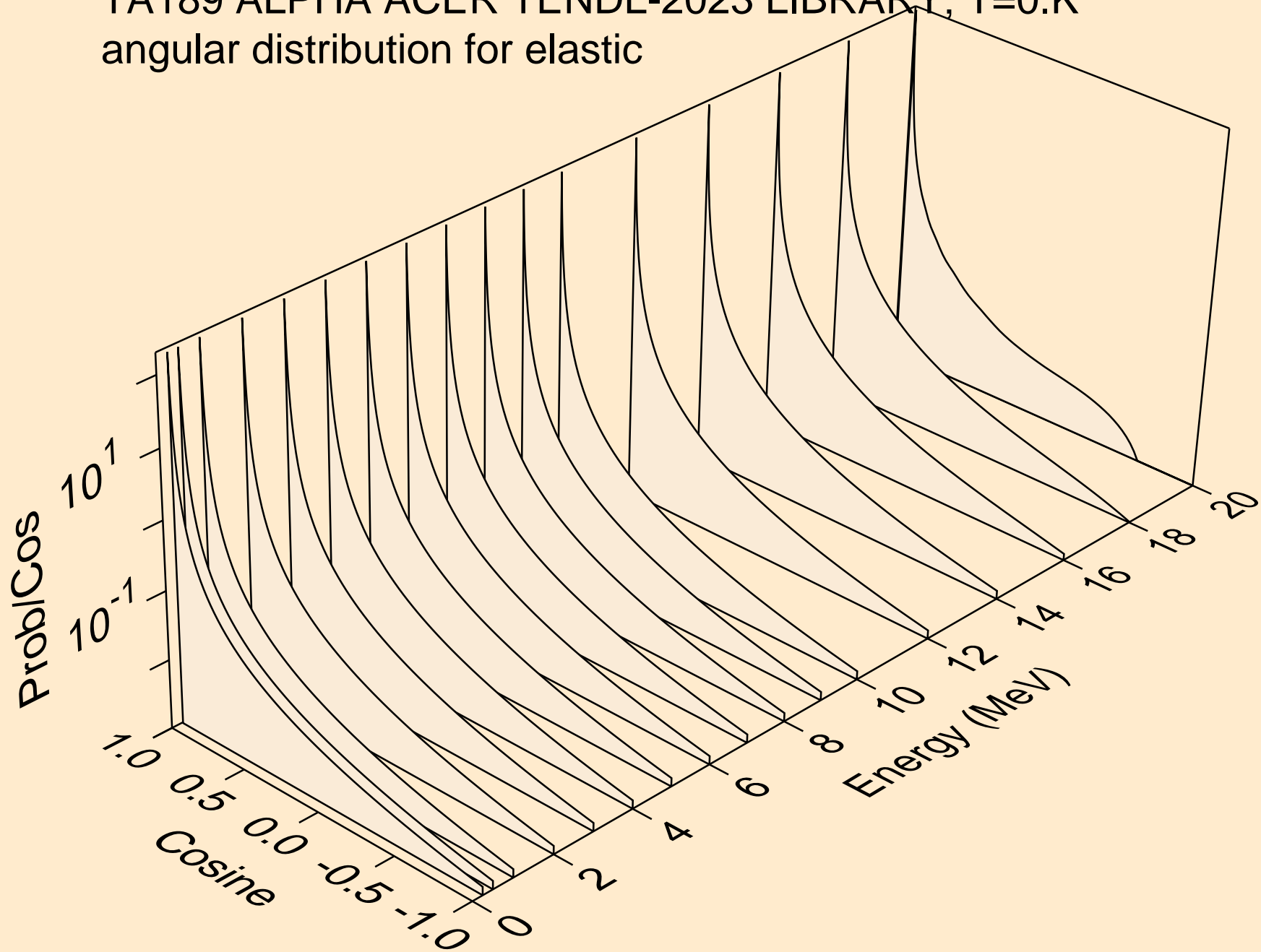
Heating



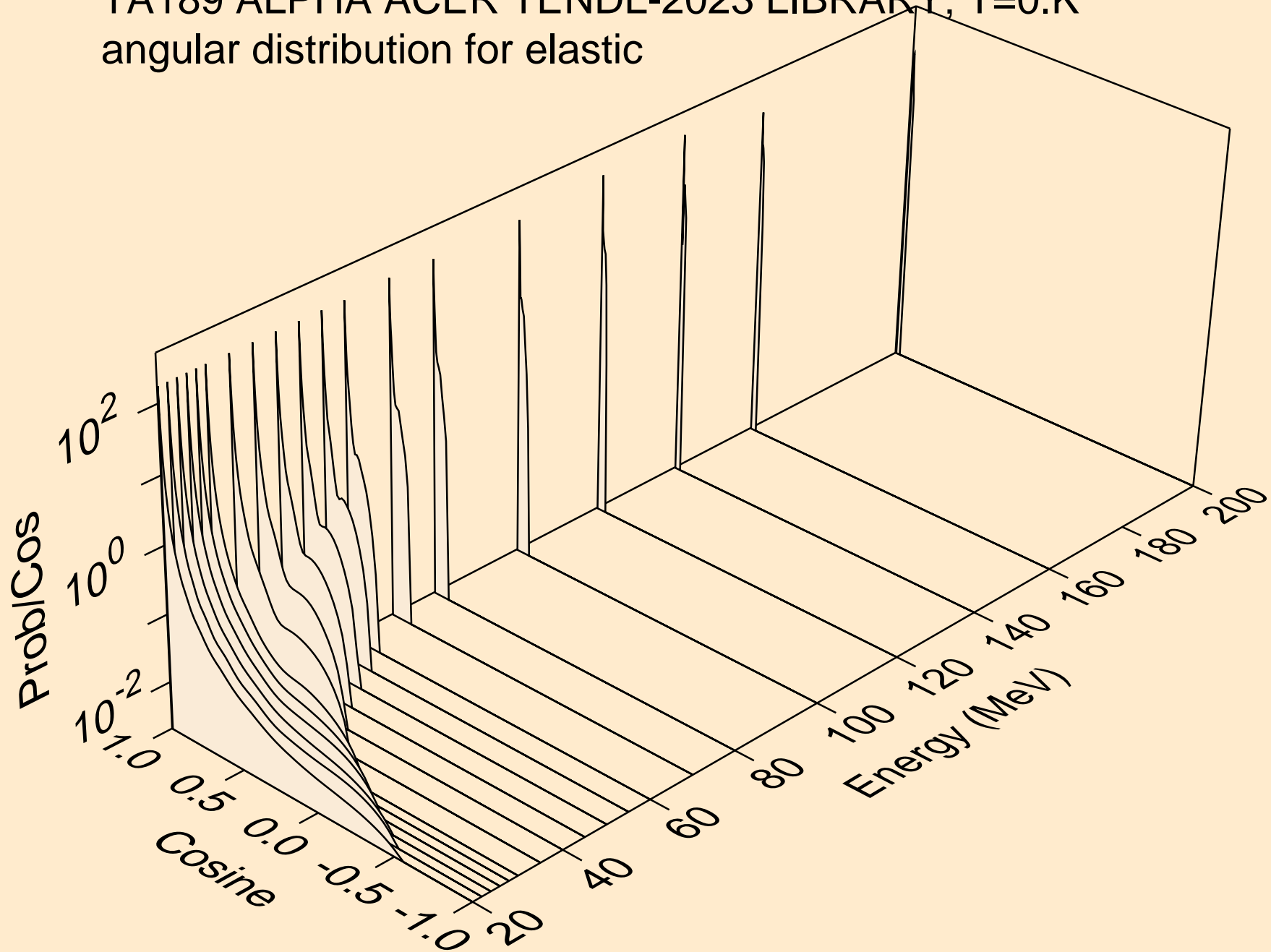
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



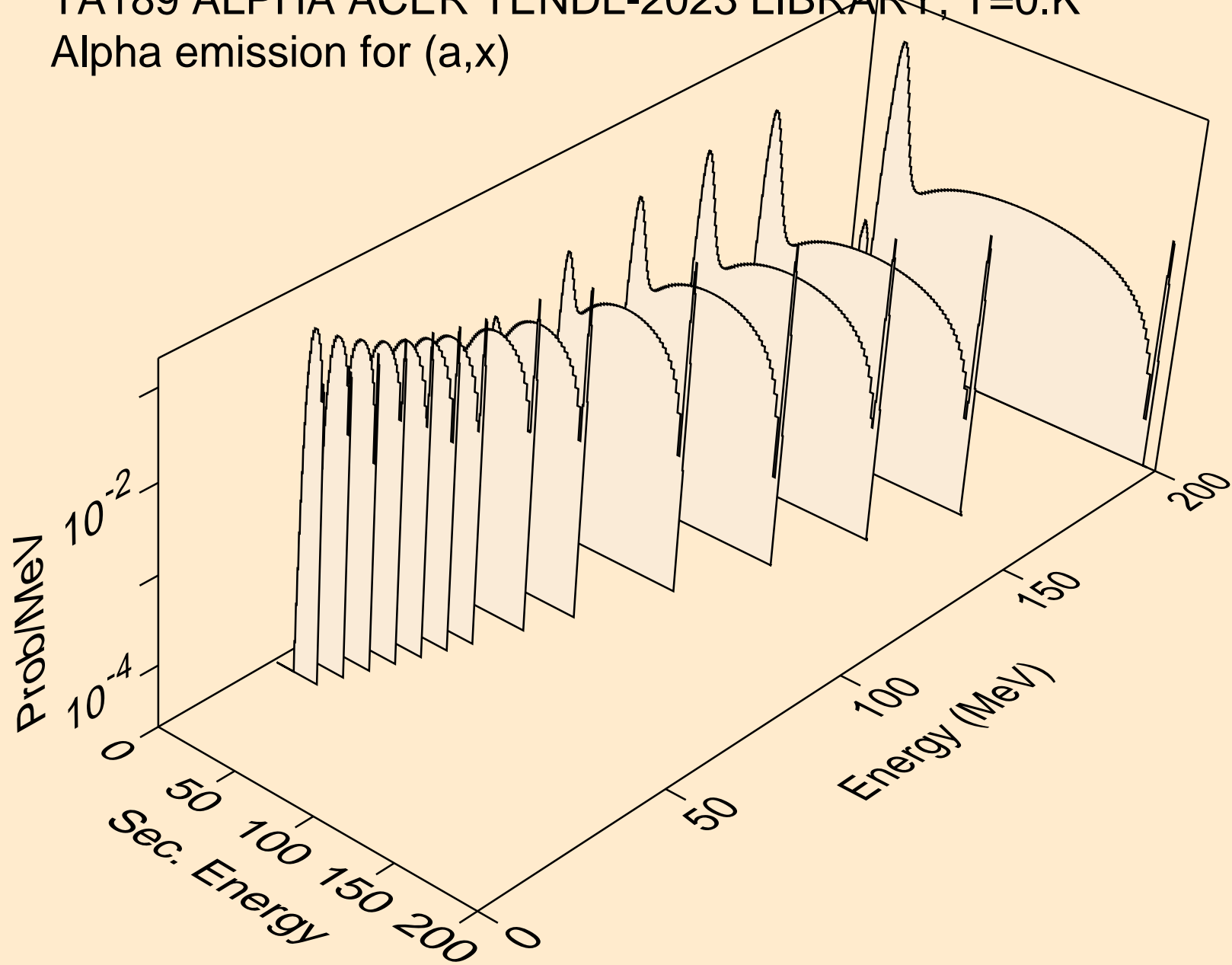
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



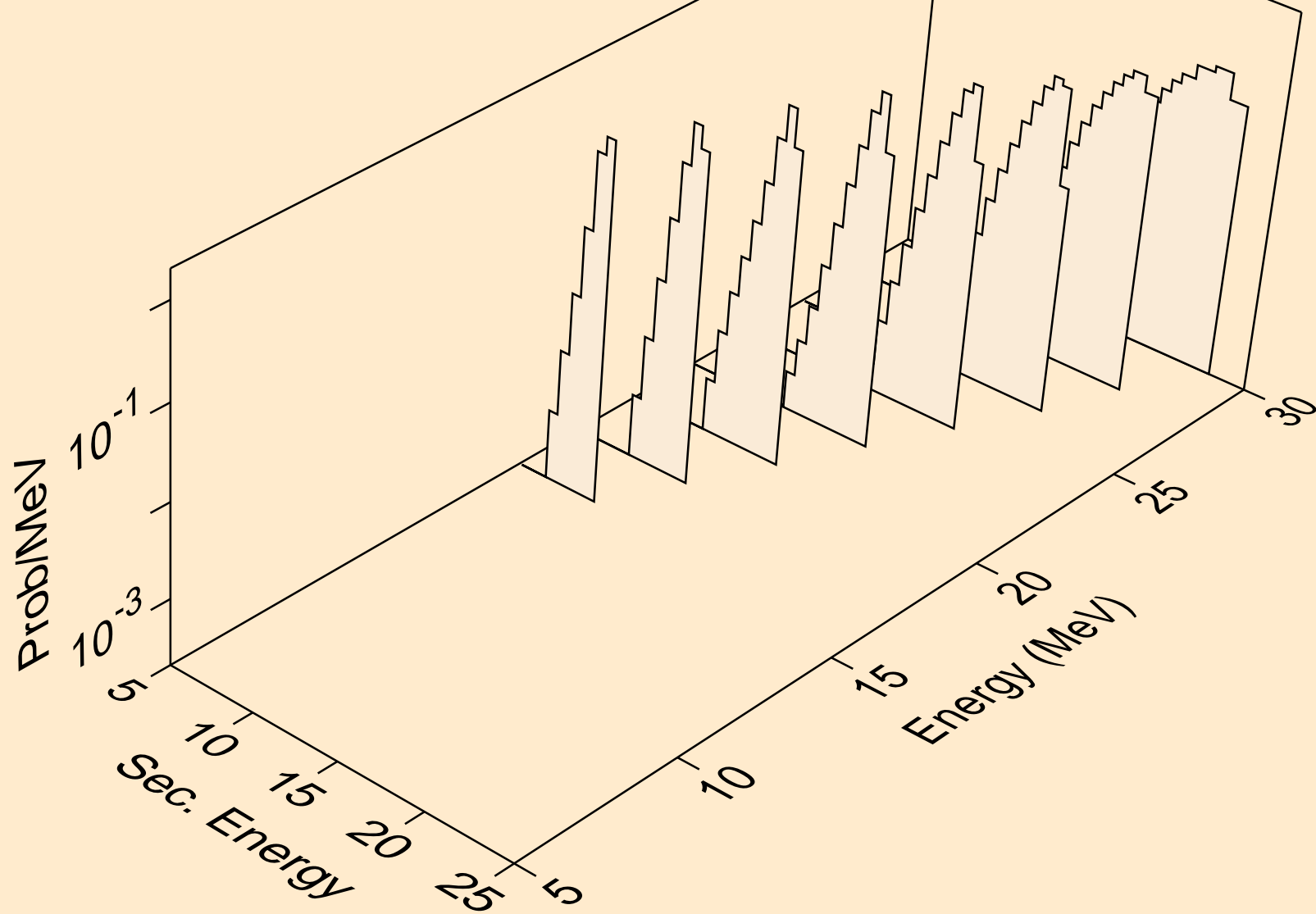
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



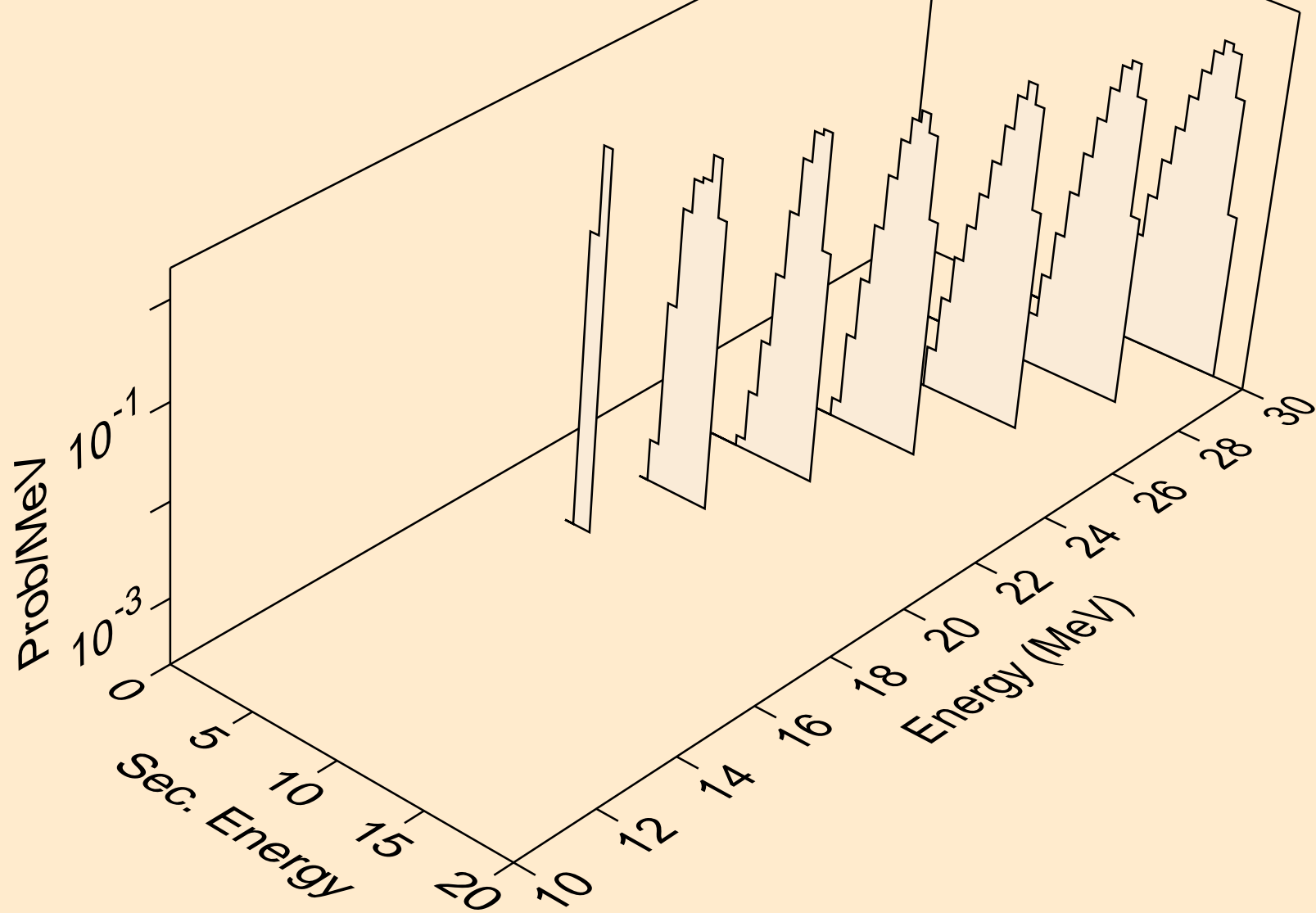
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,x)



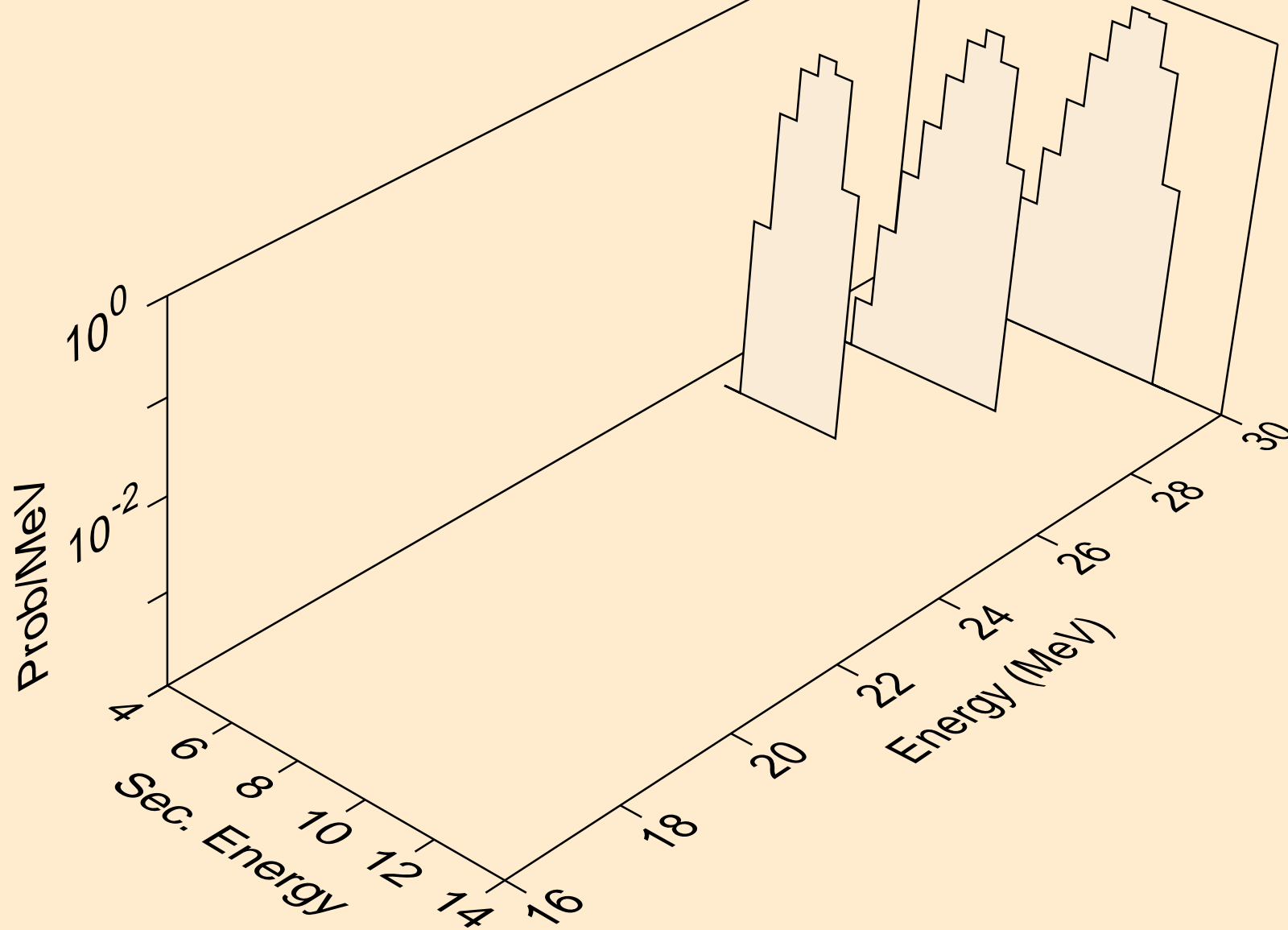
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,n*)a



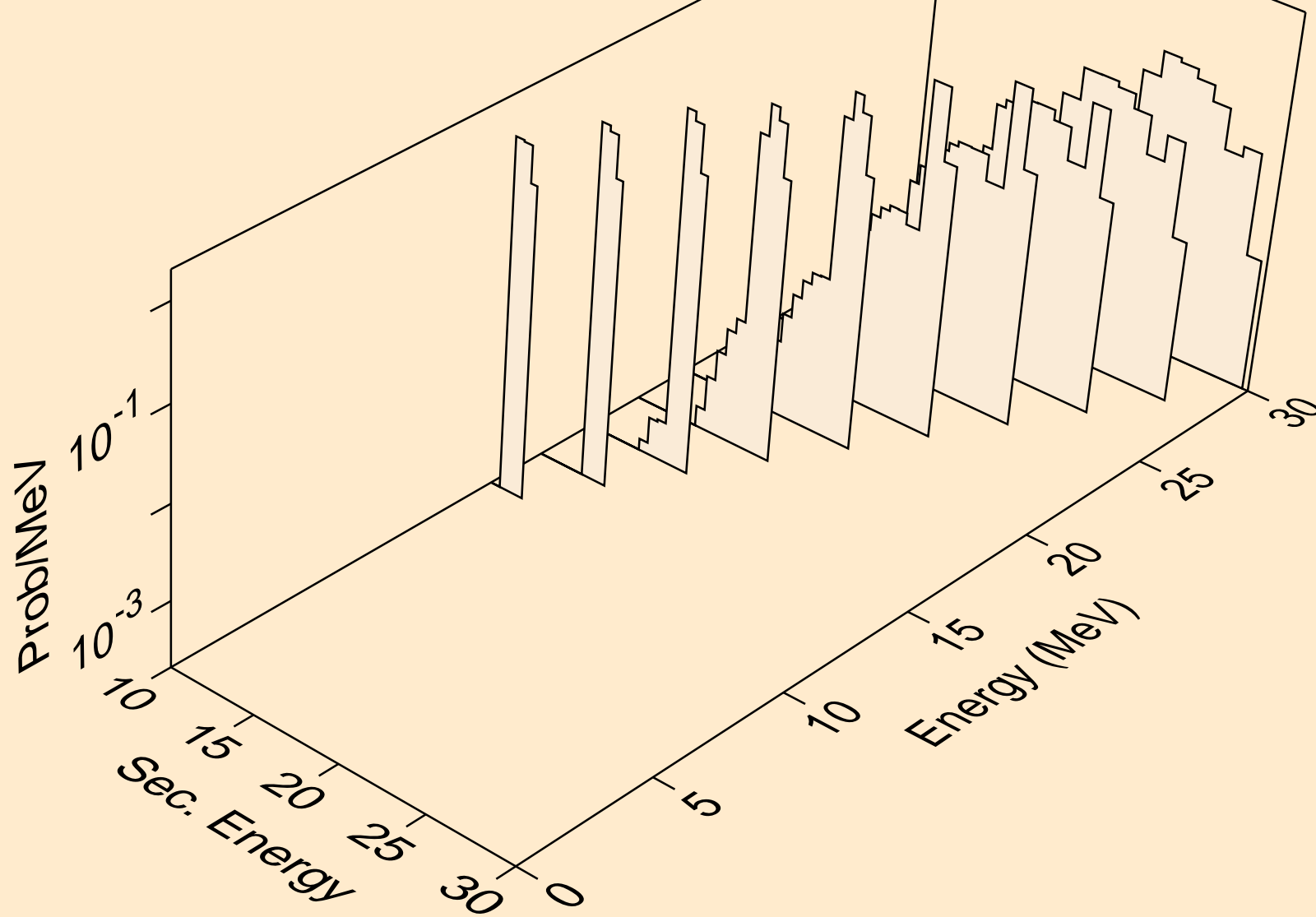
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,2n)a



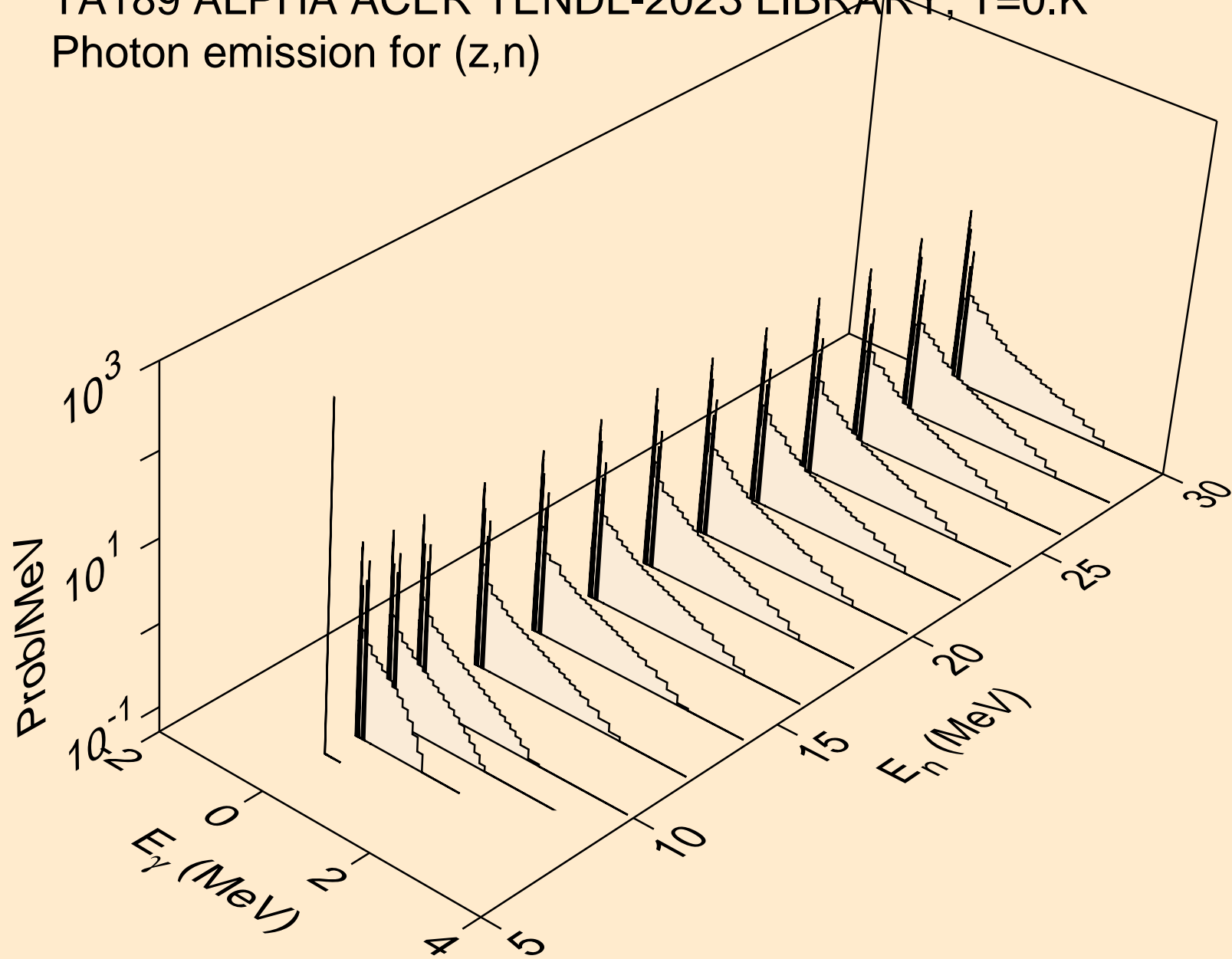
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,3n)a



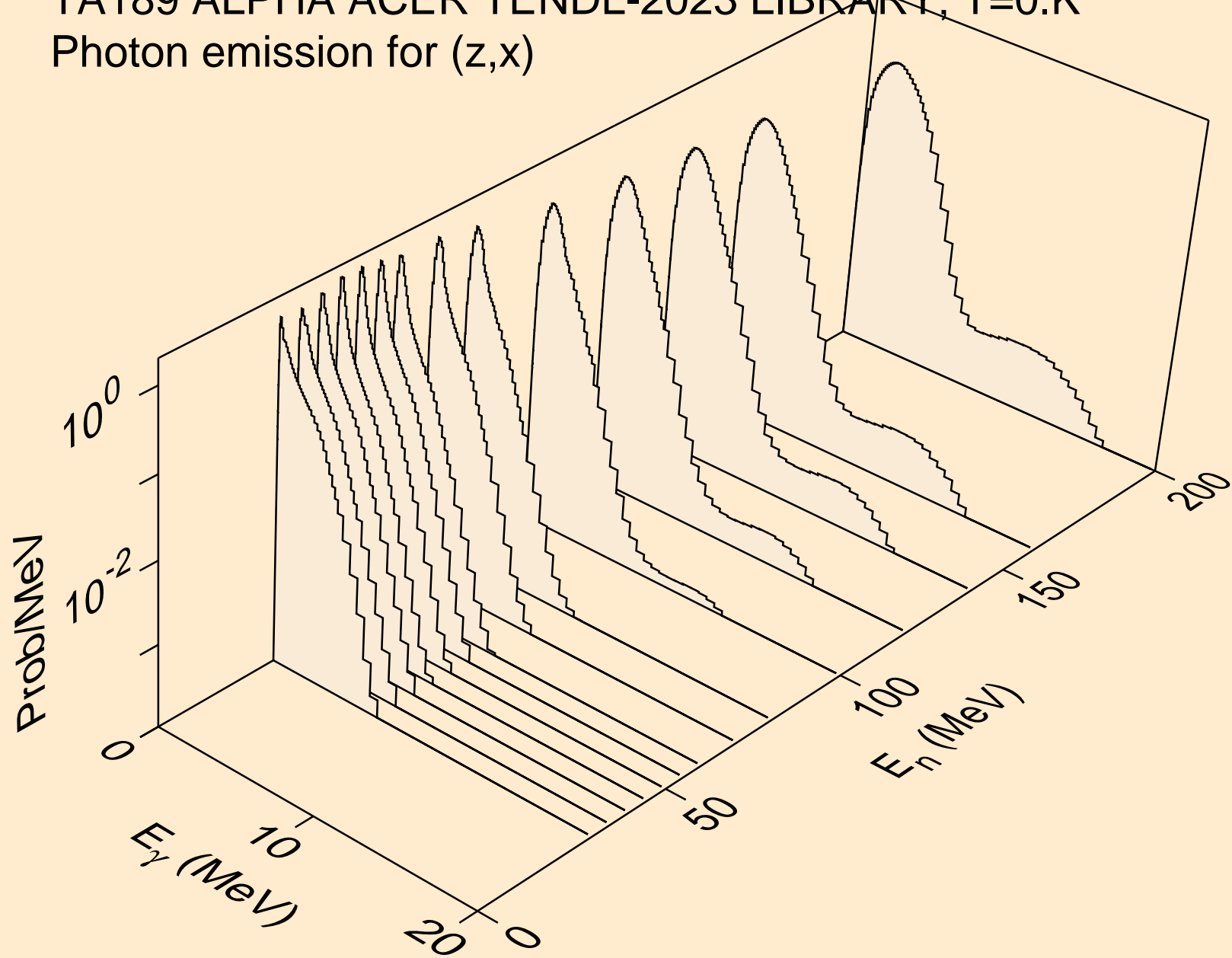
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for inelastic



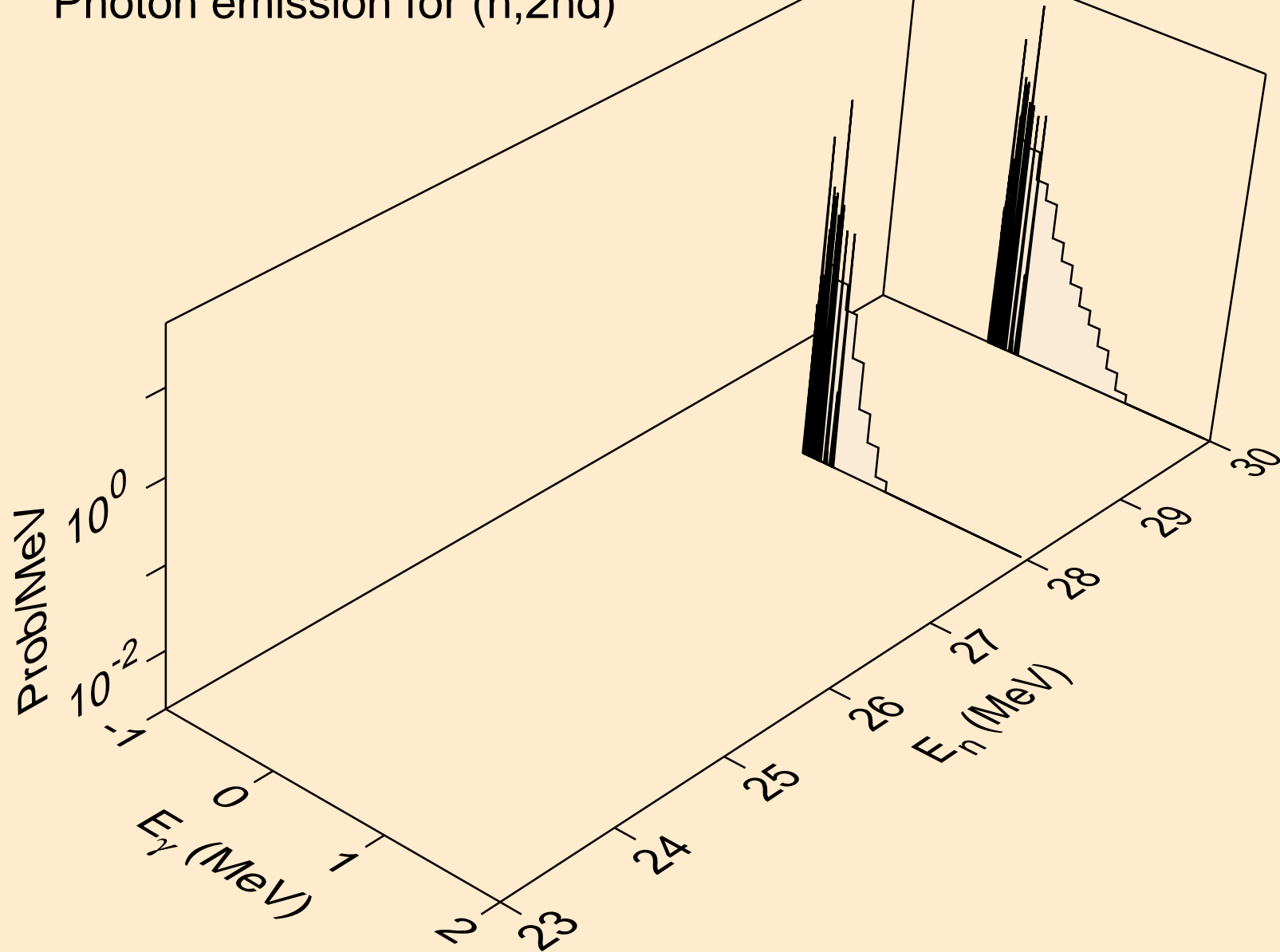
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)



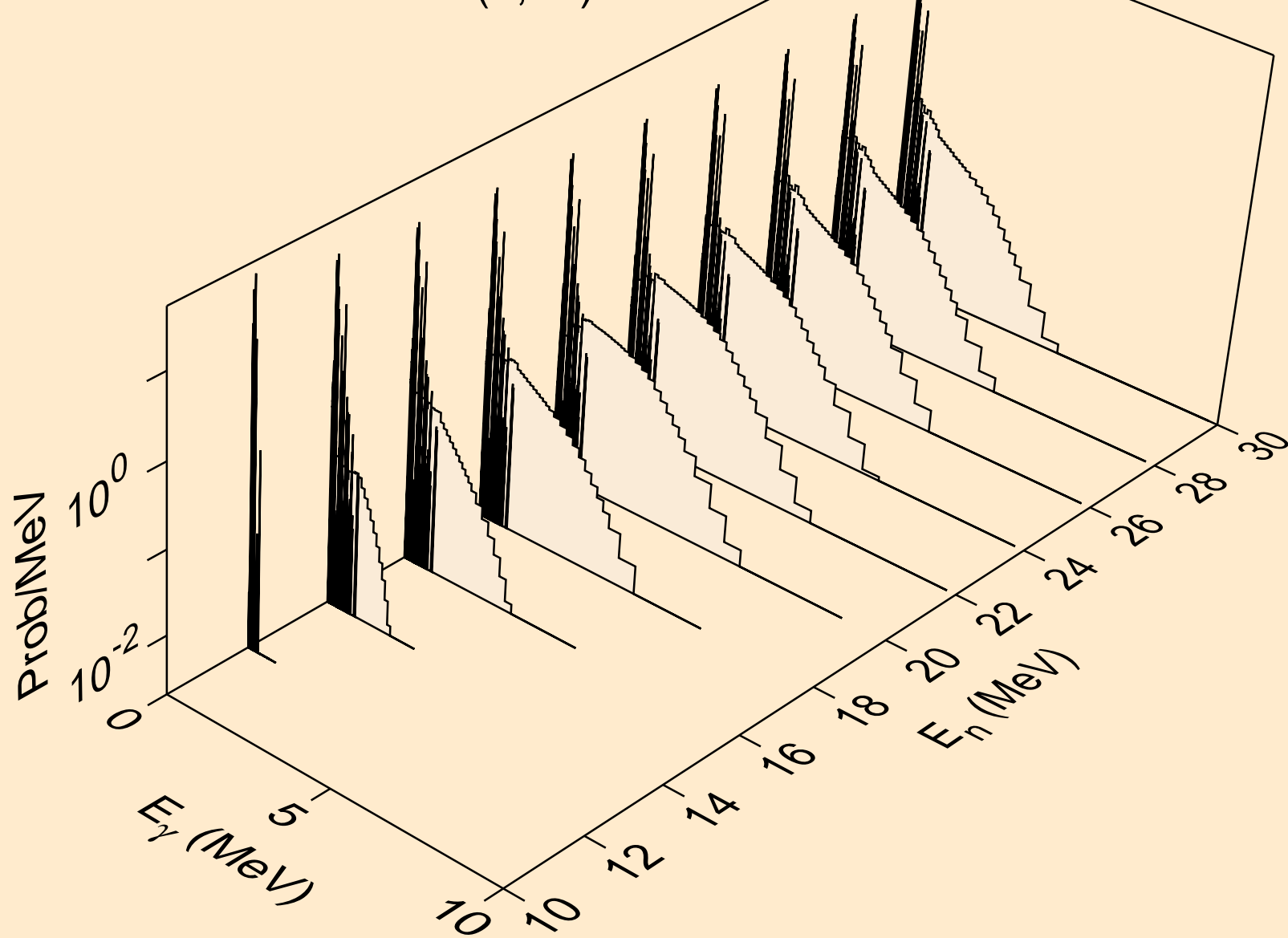
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)



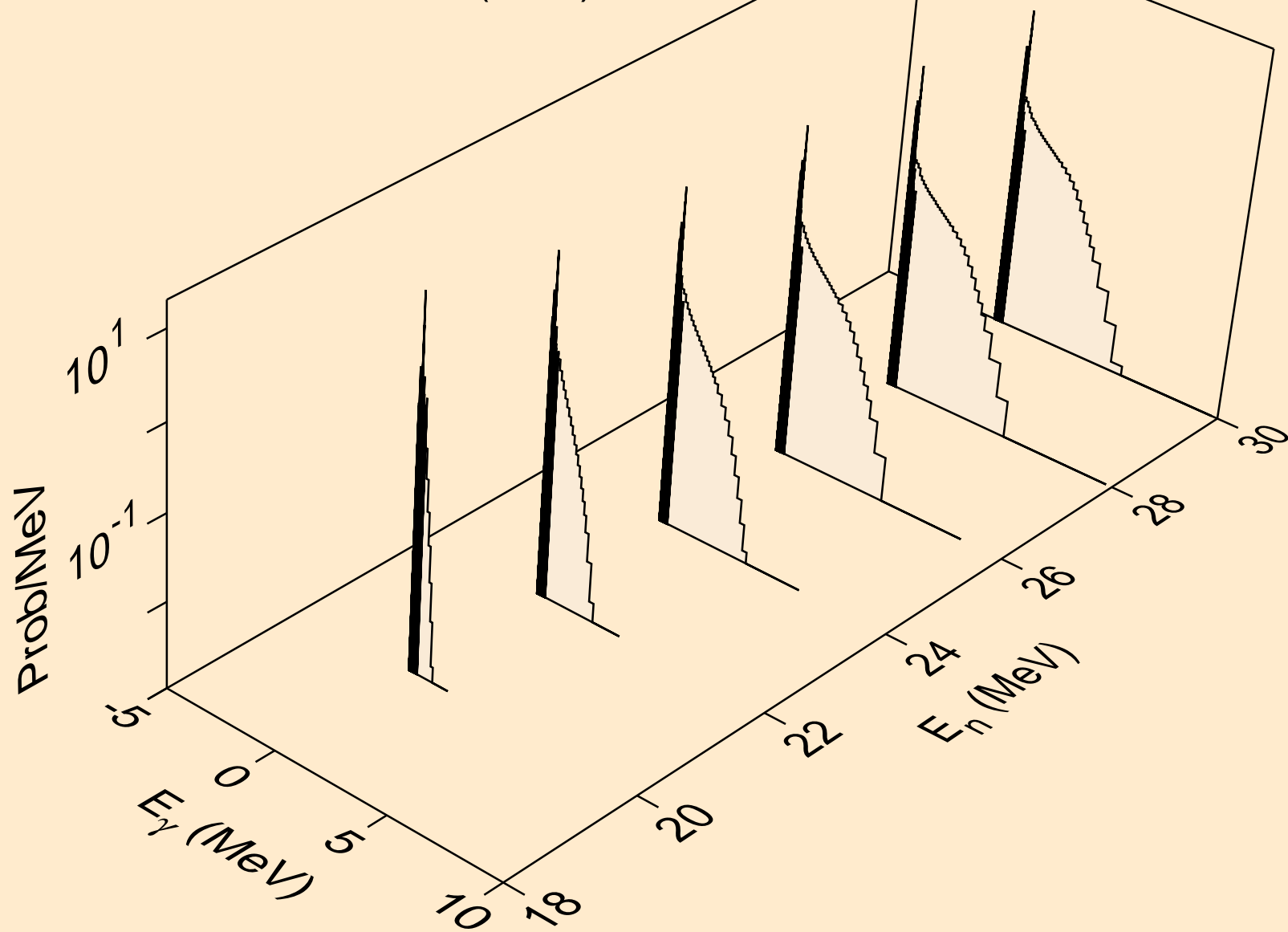
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



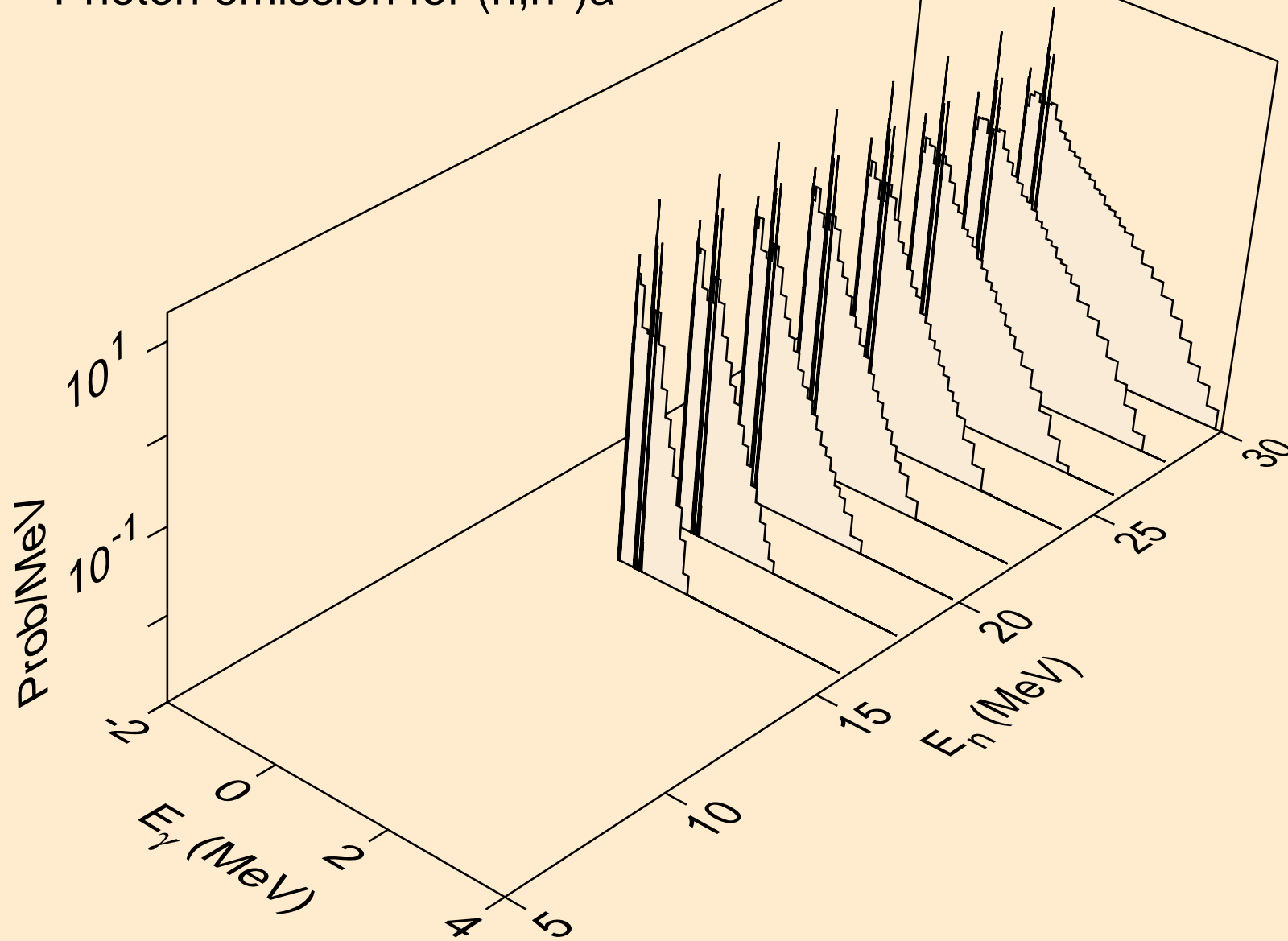
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



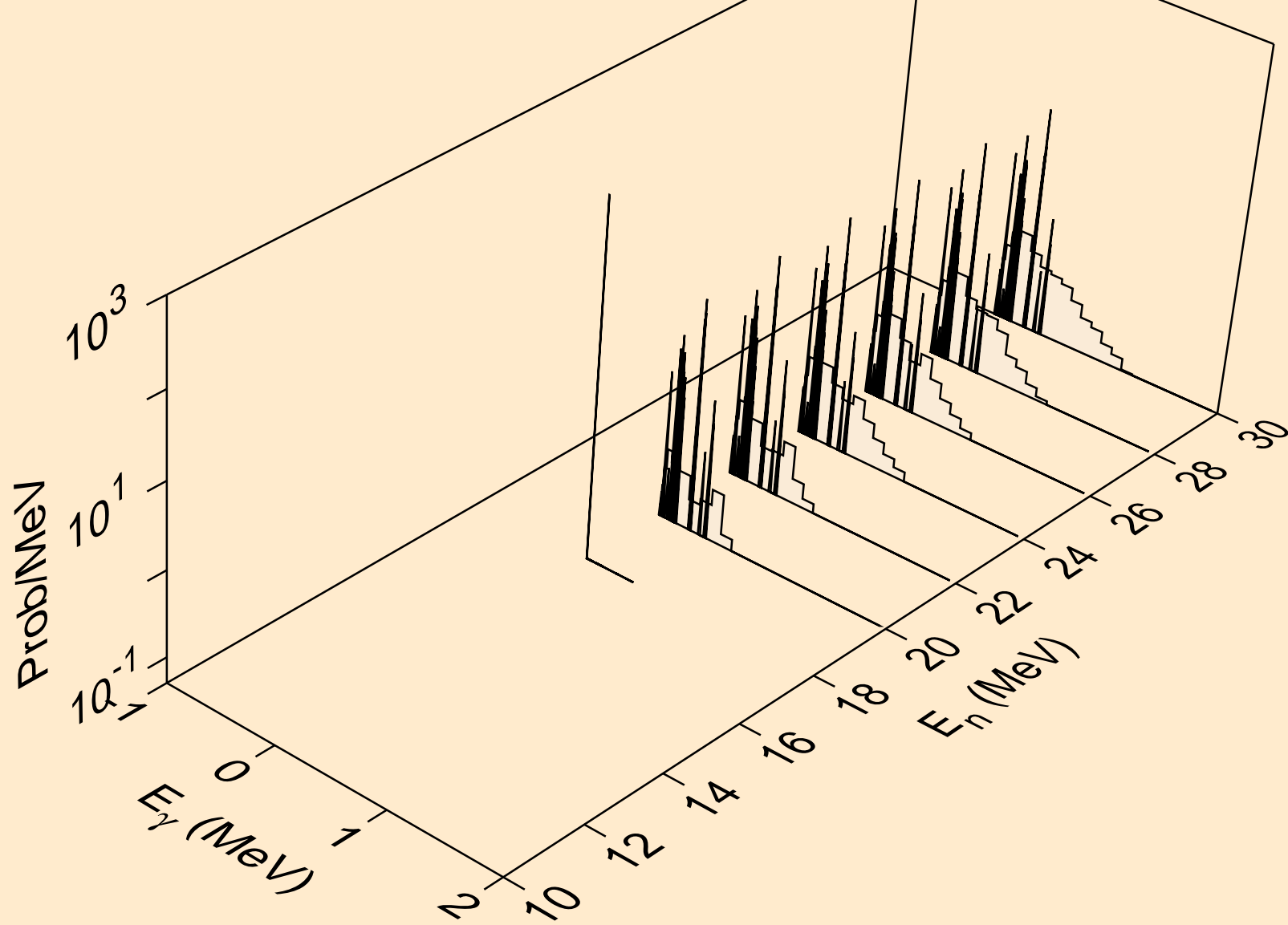
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



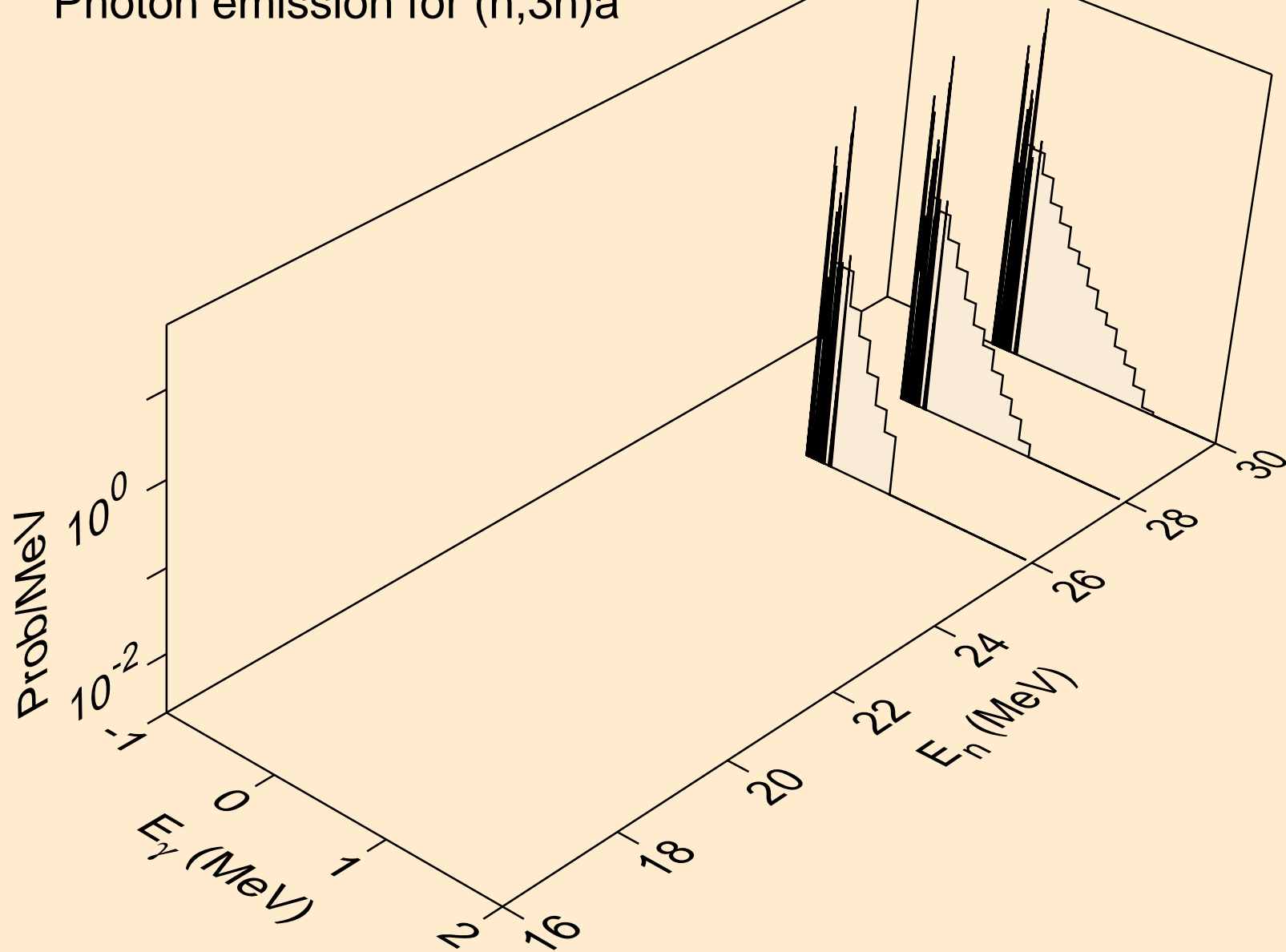
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



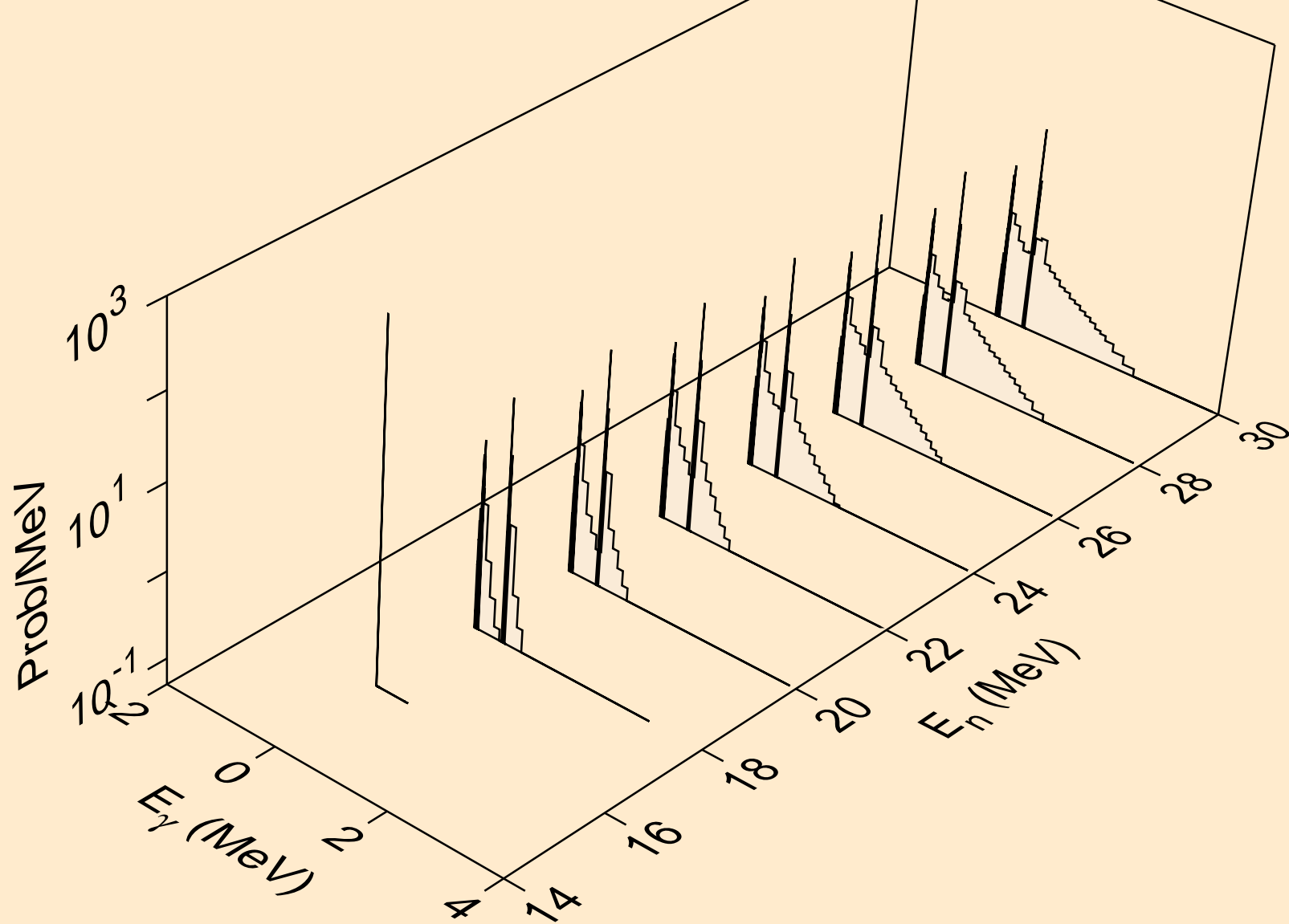
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



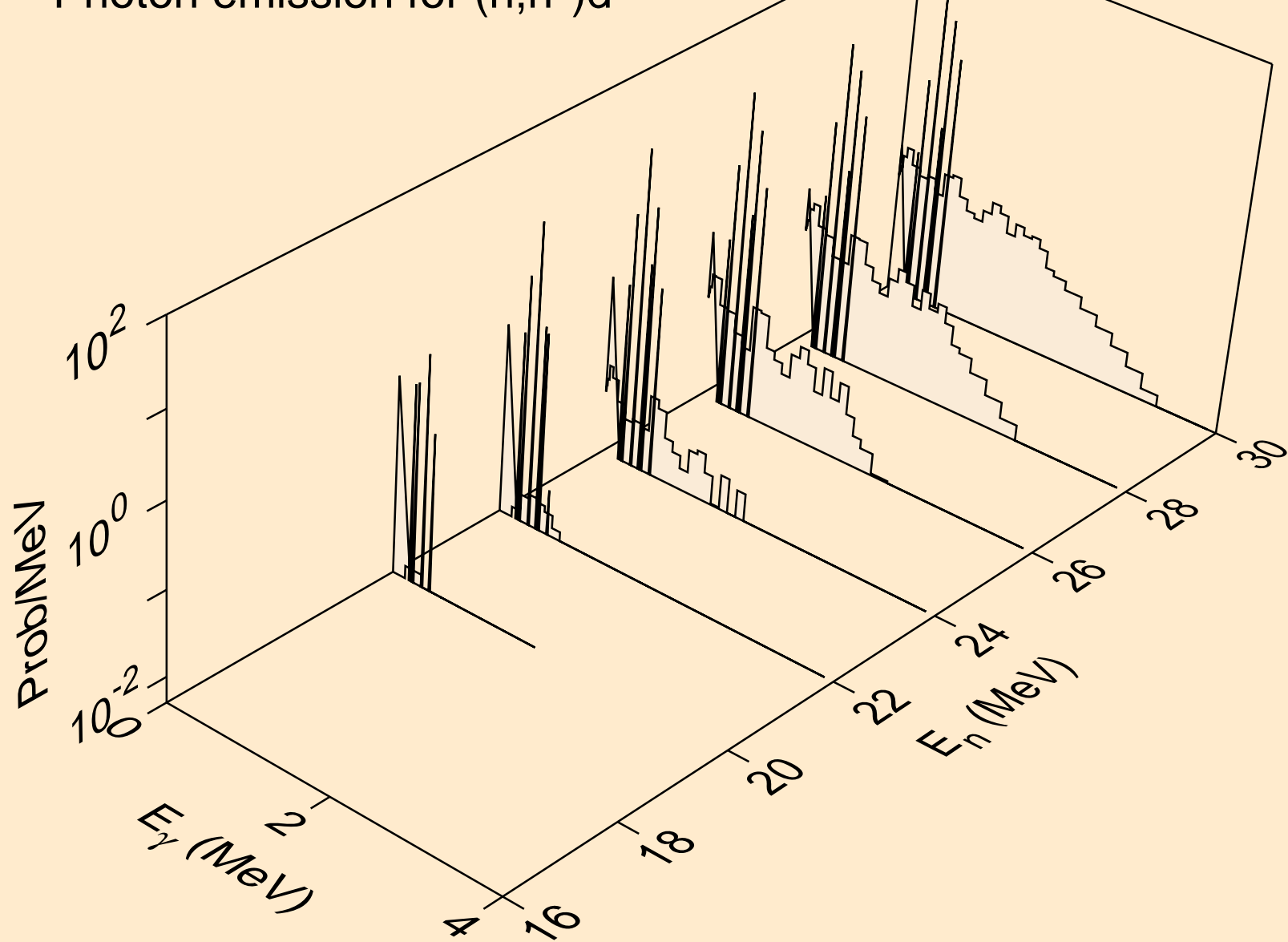
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



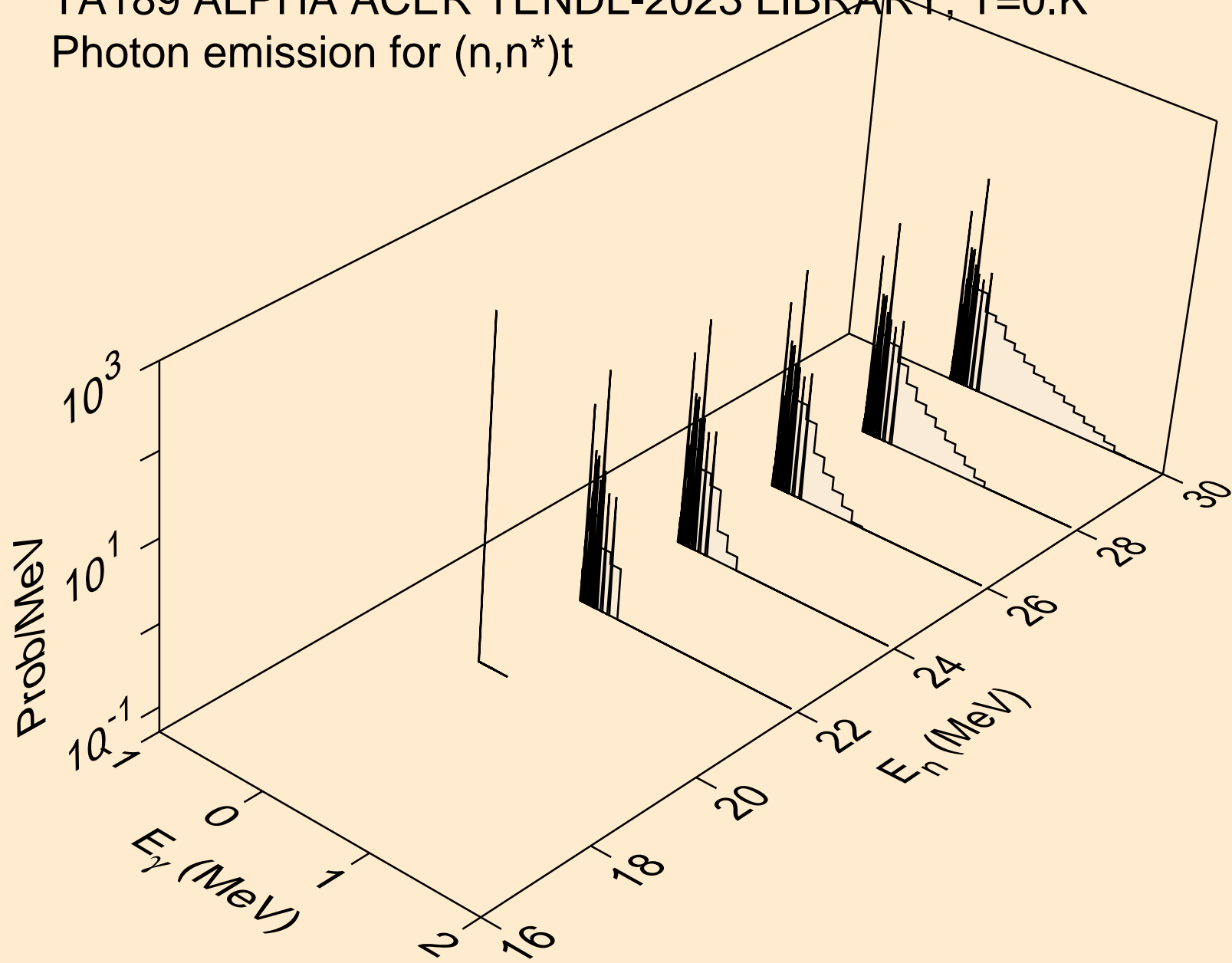
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



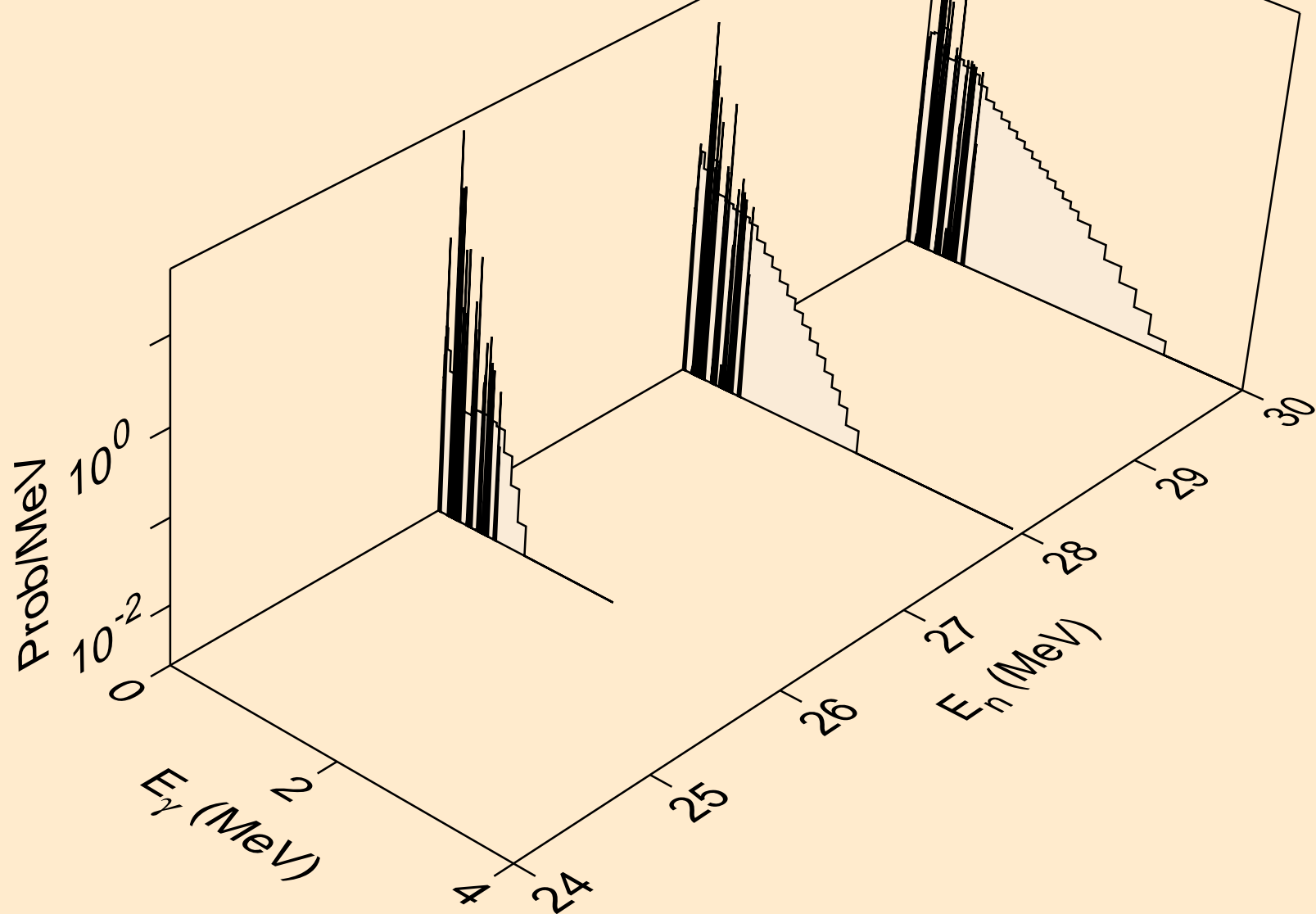
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



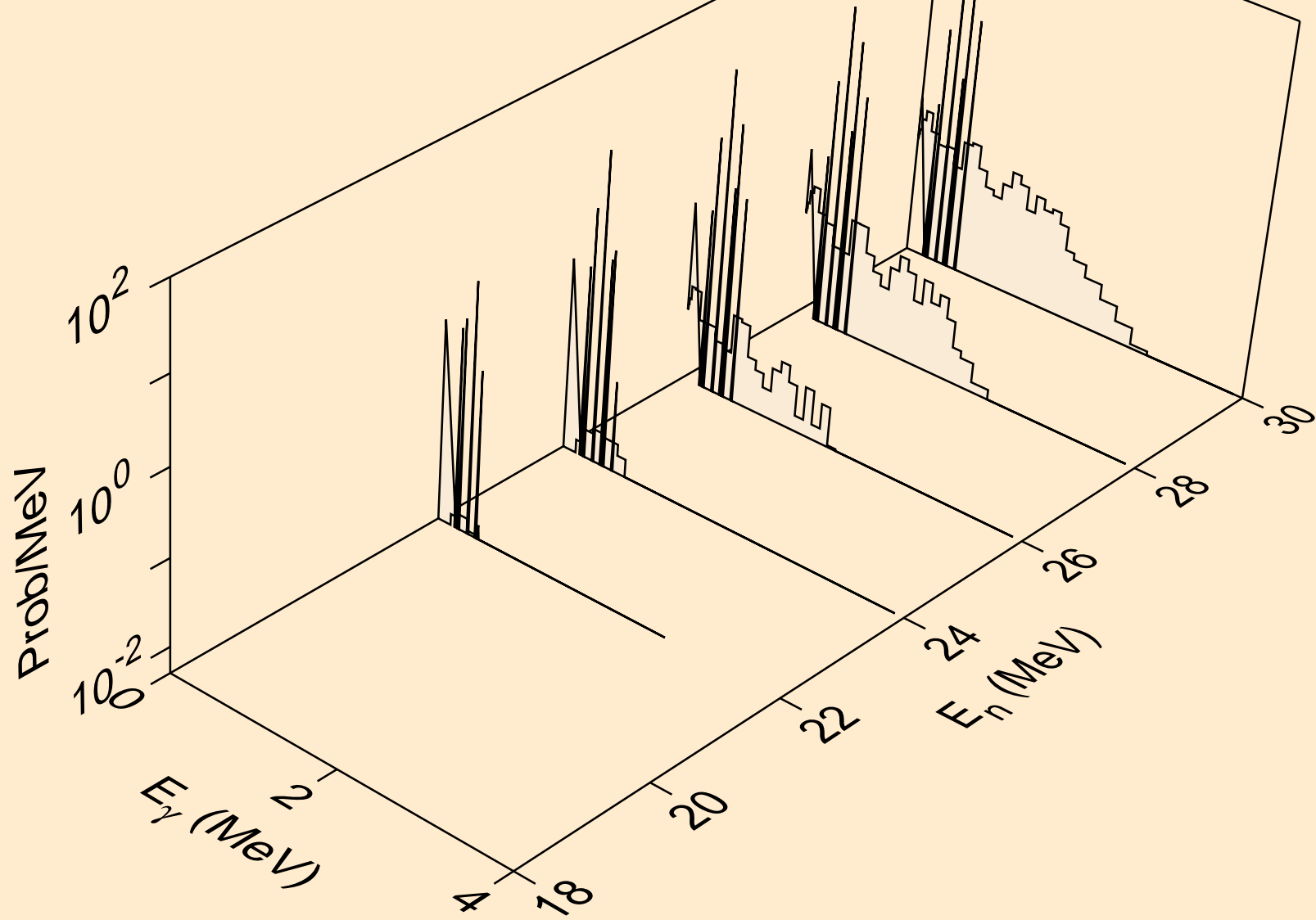
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



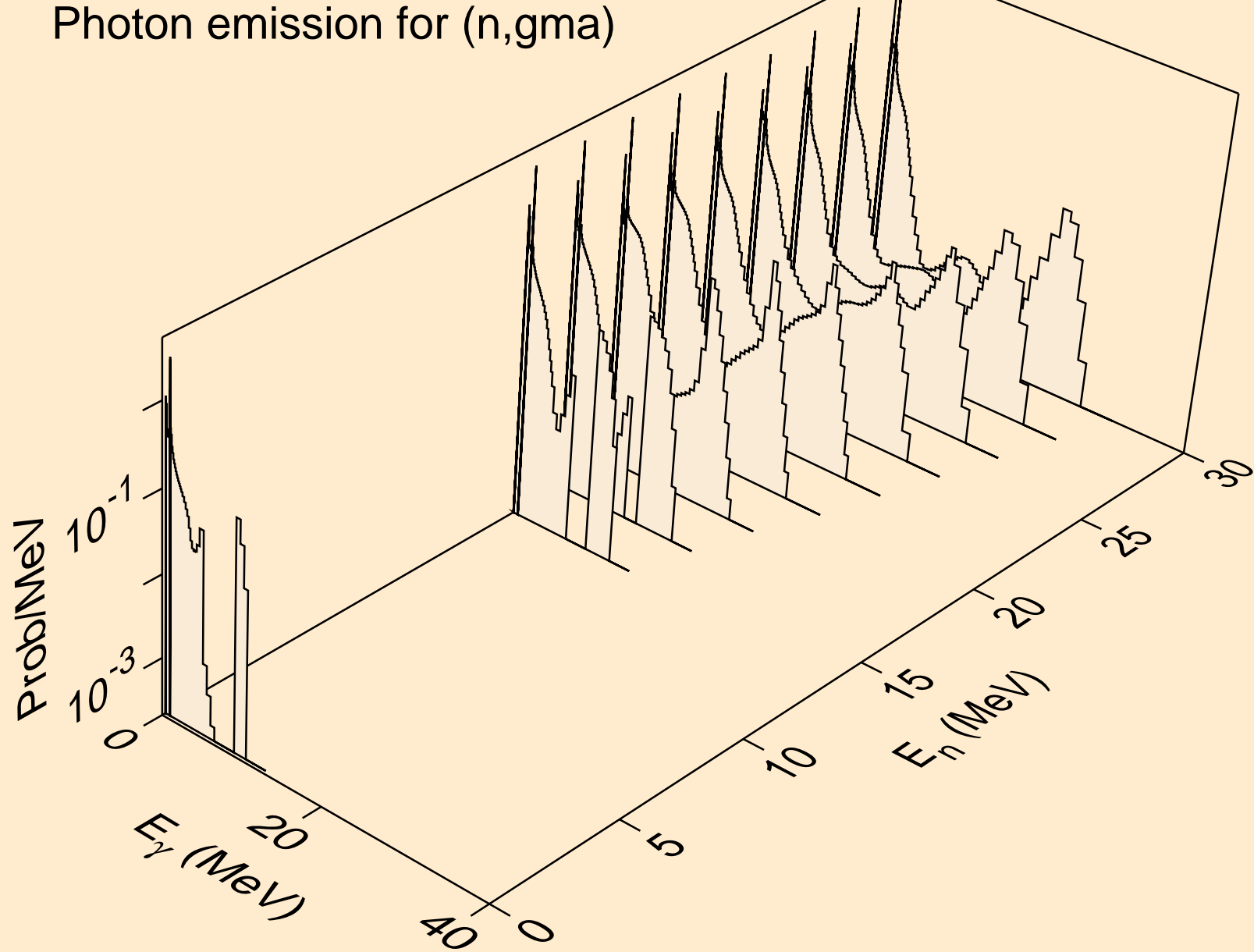
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



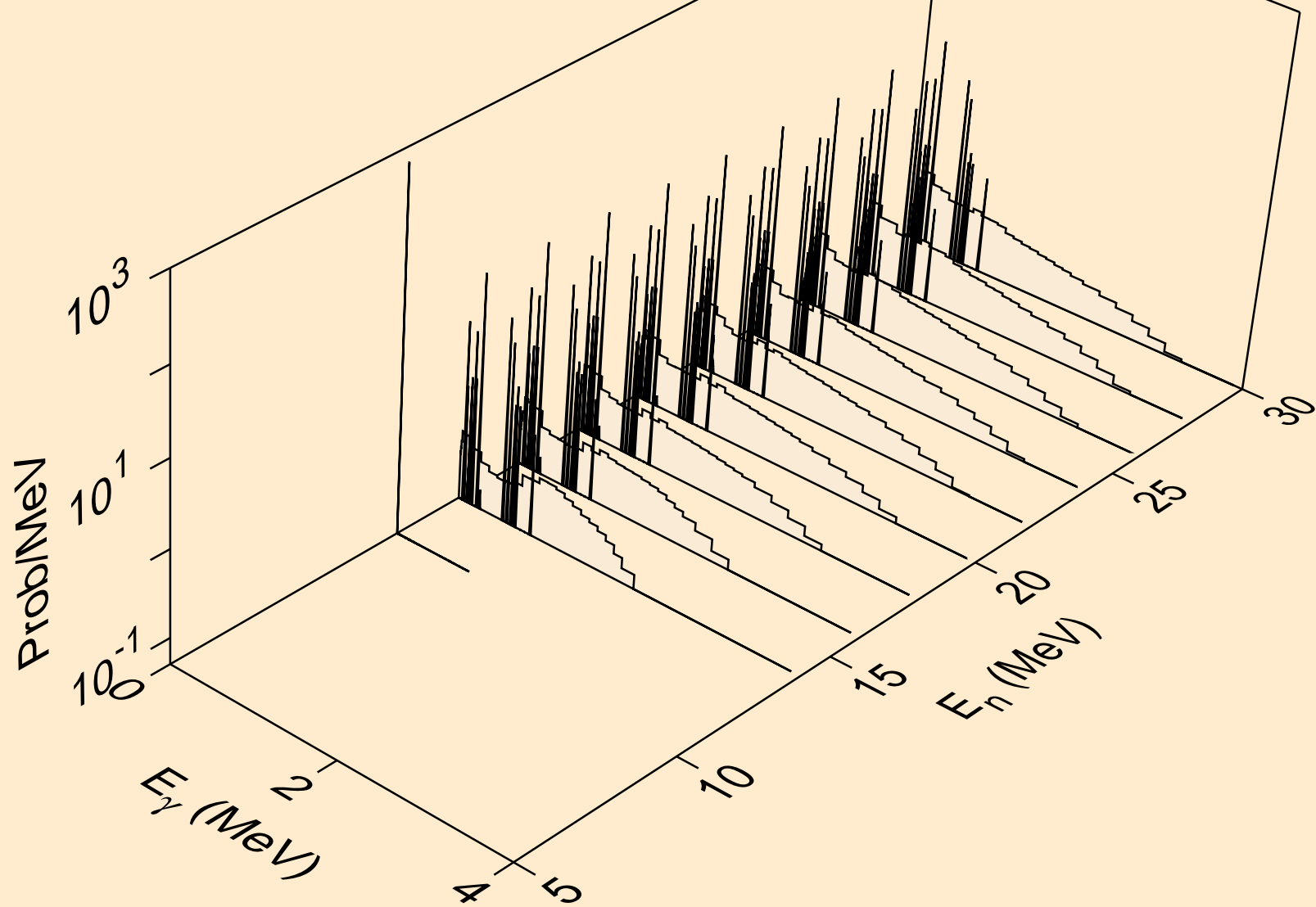
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



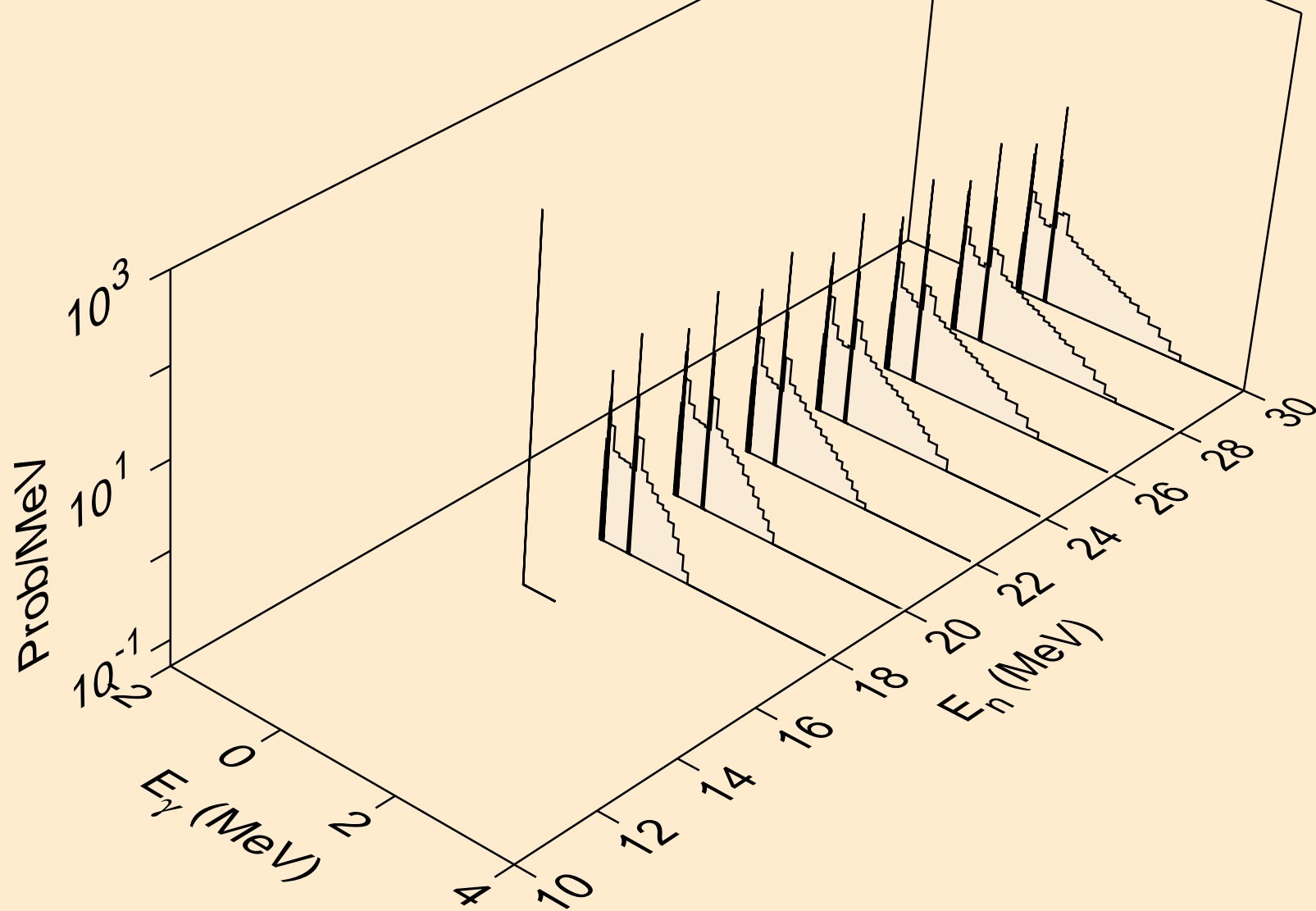
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



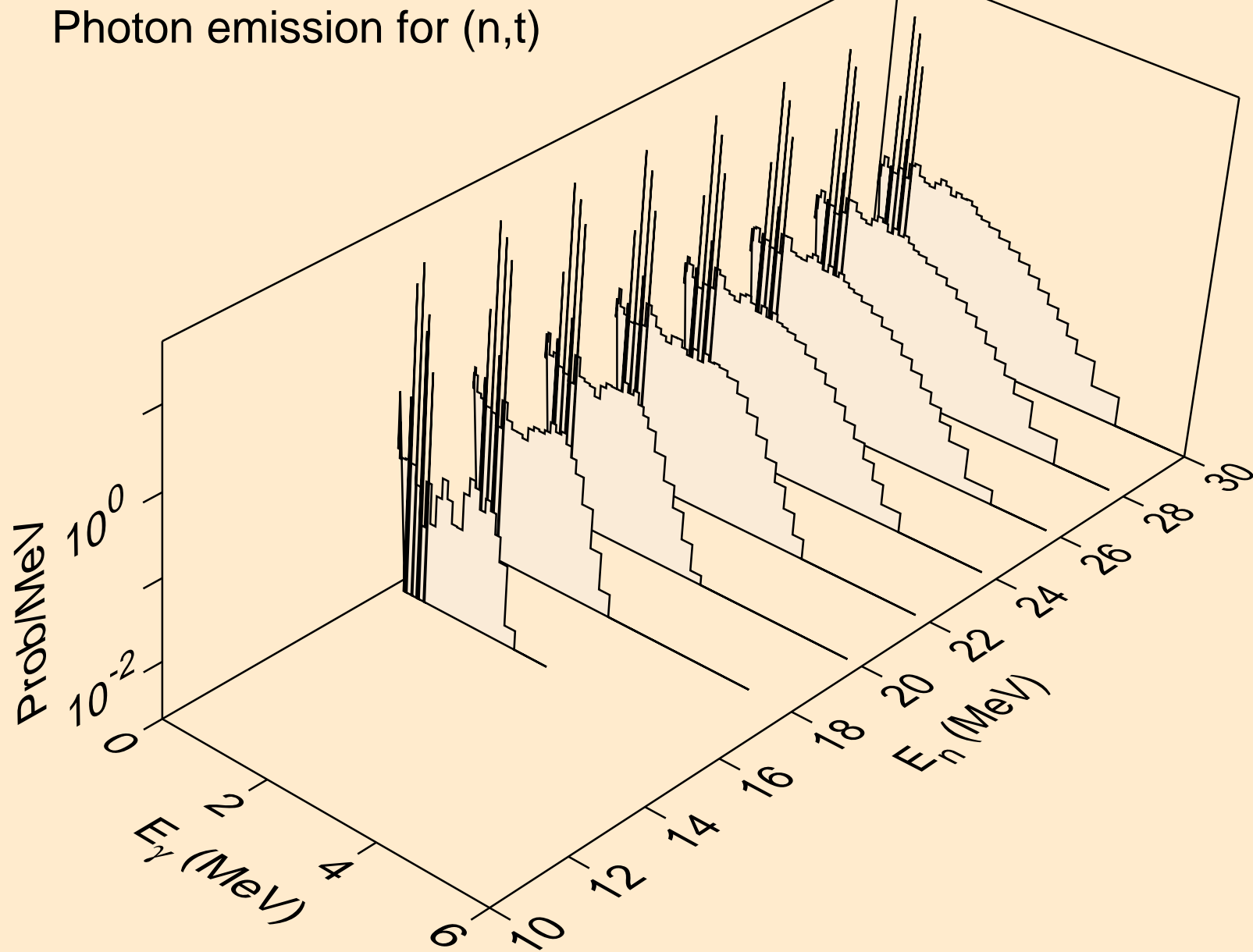
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



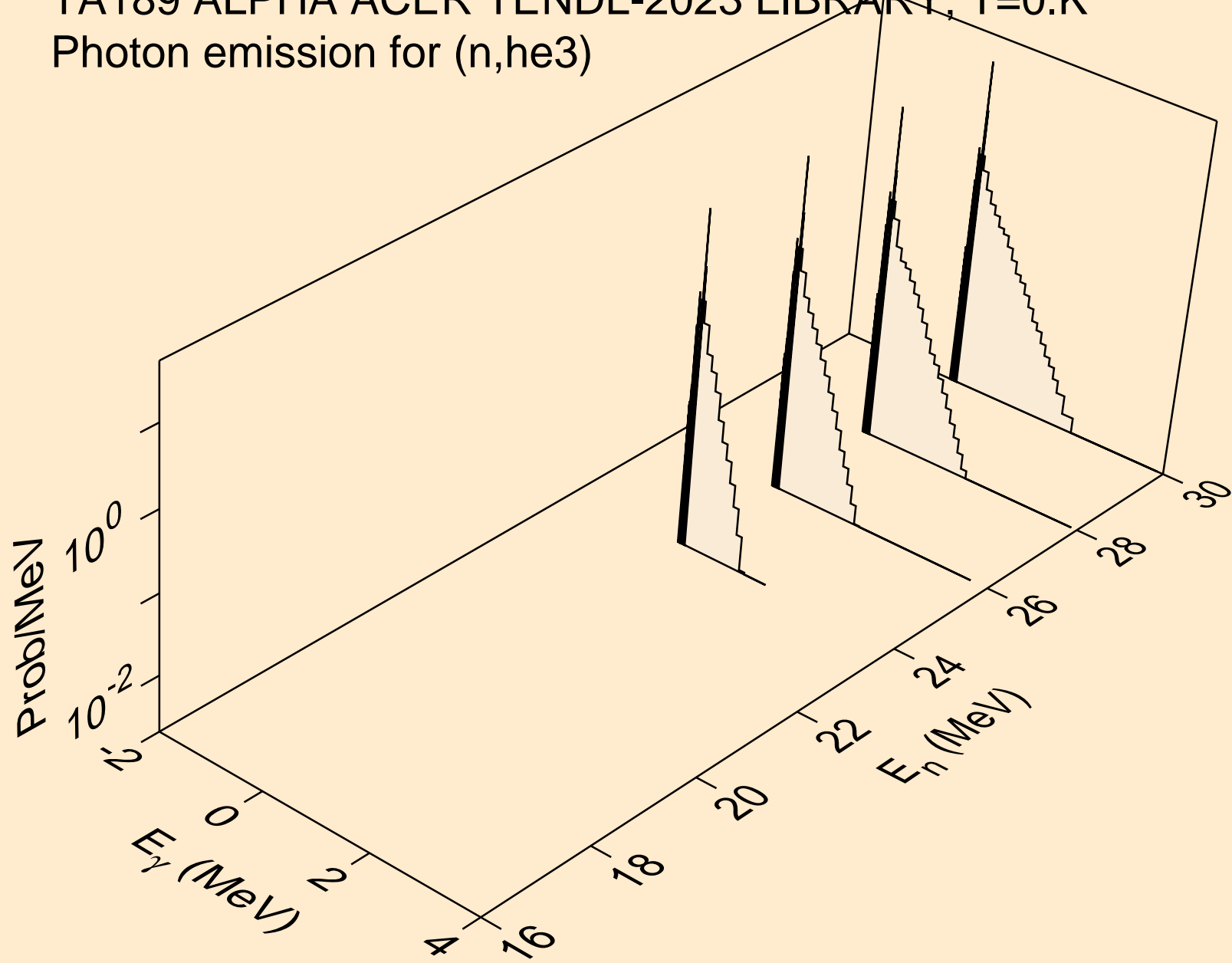
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



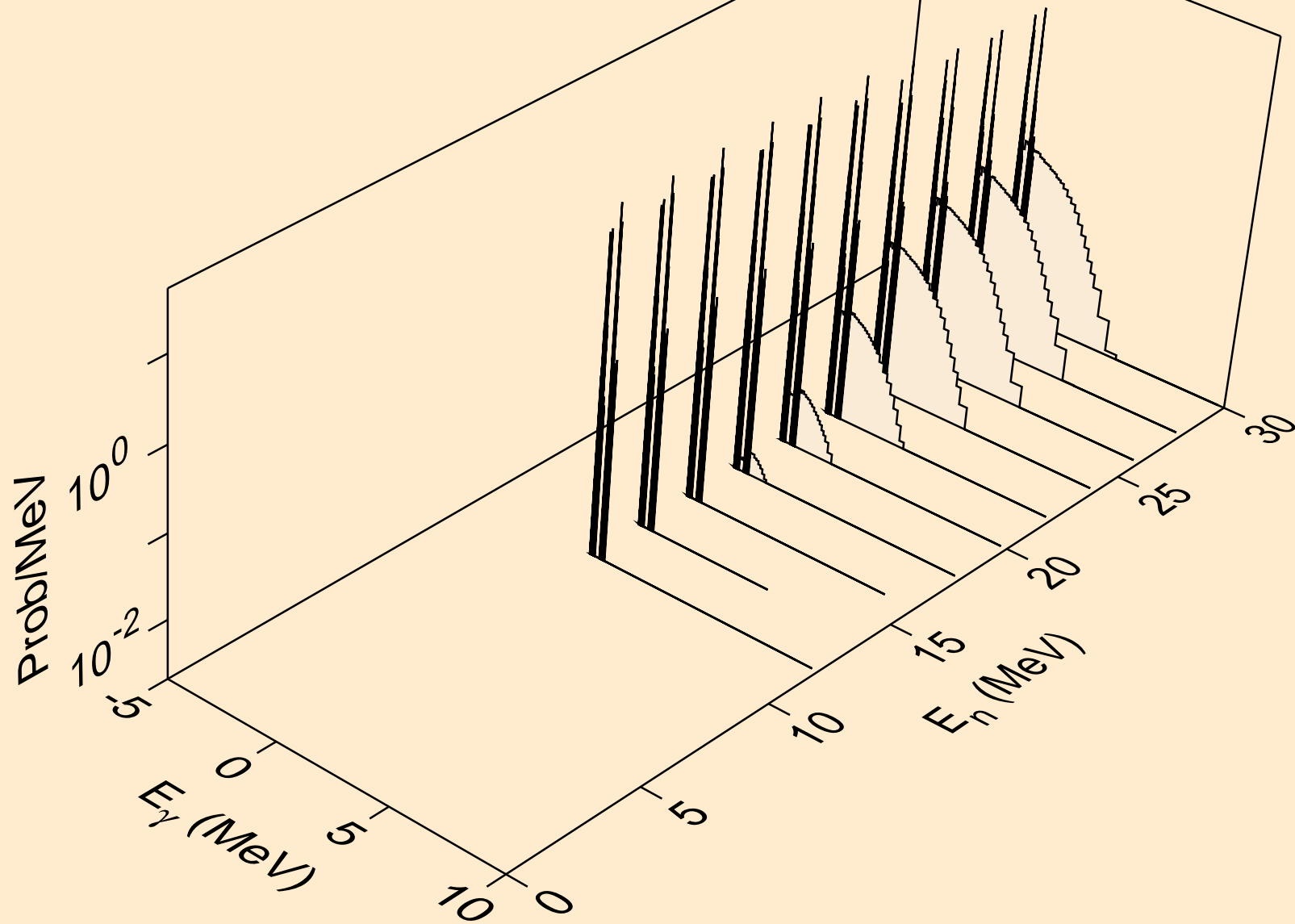
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



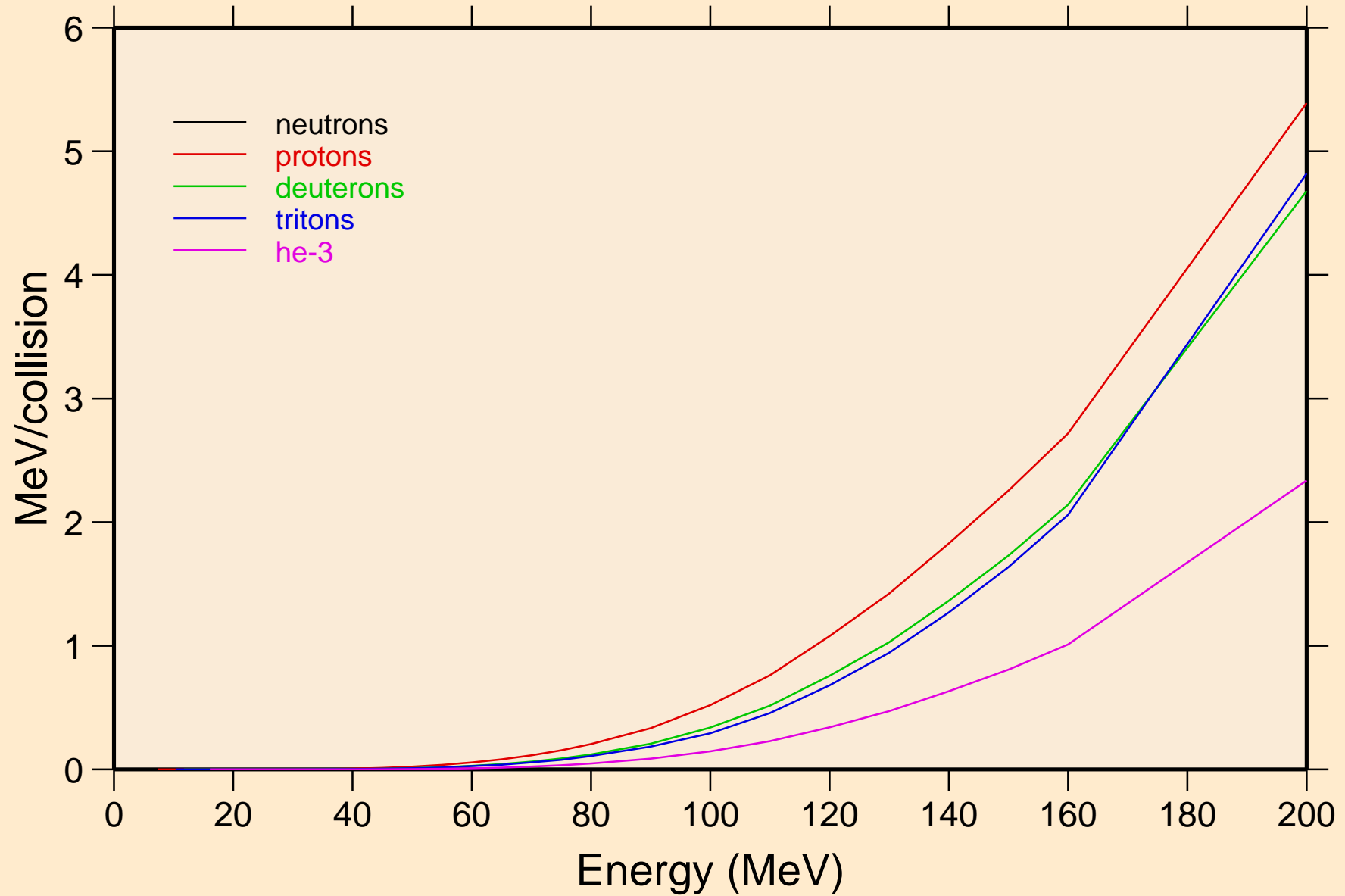
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



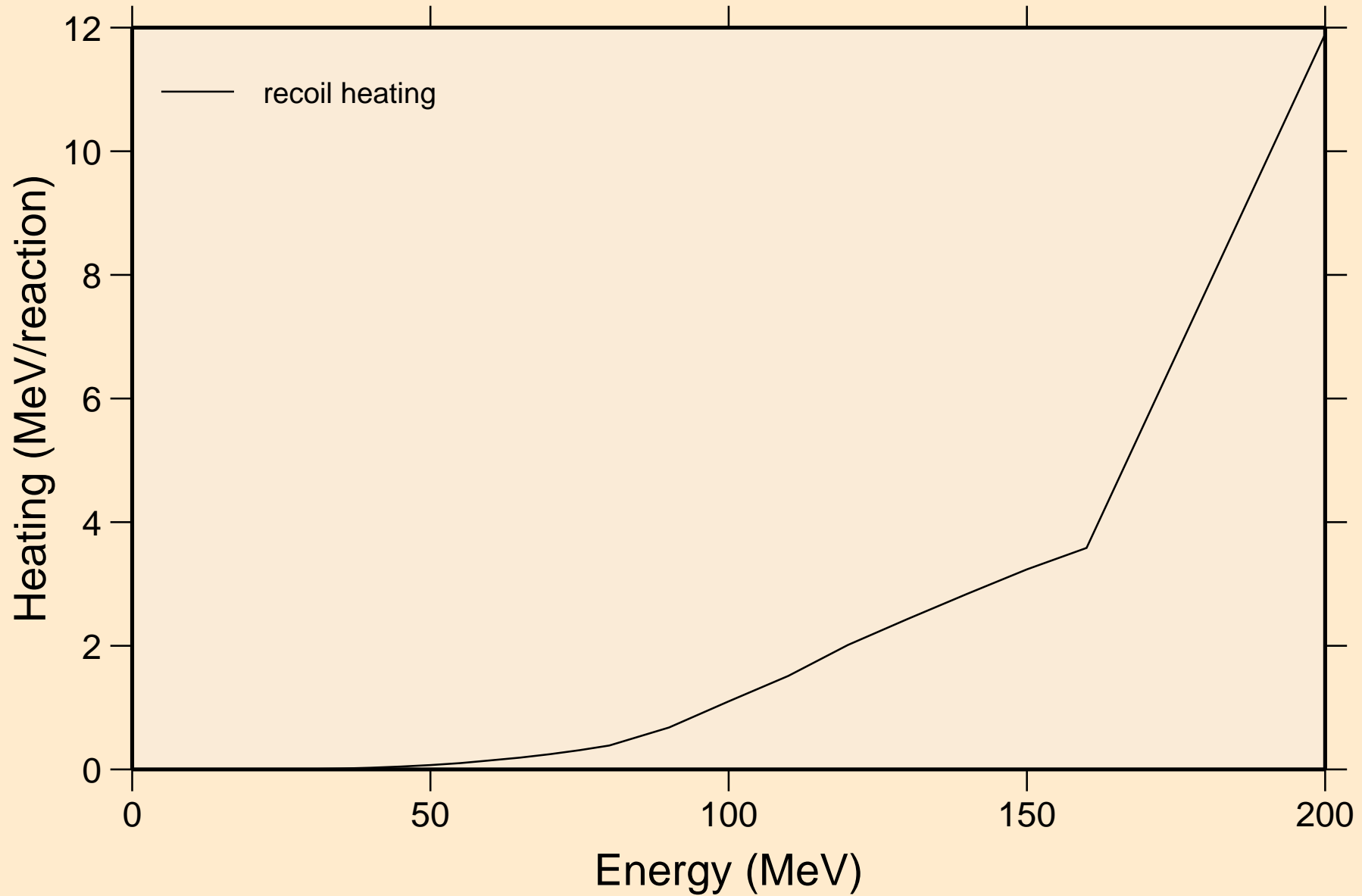
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

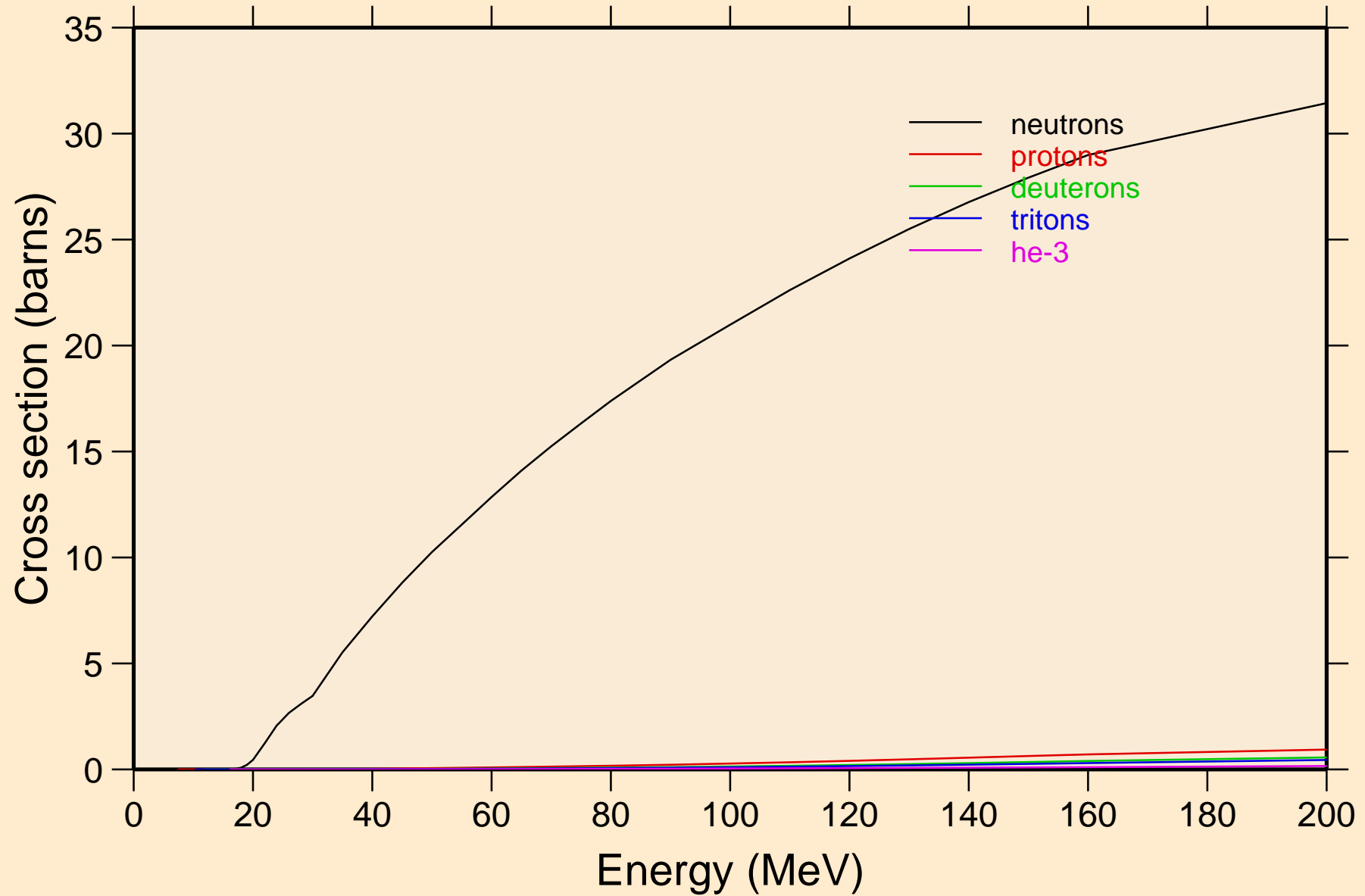


TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

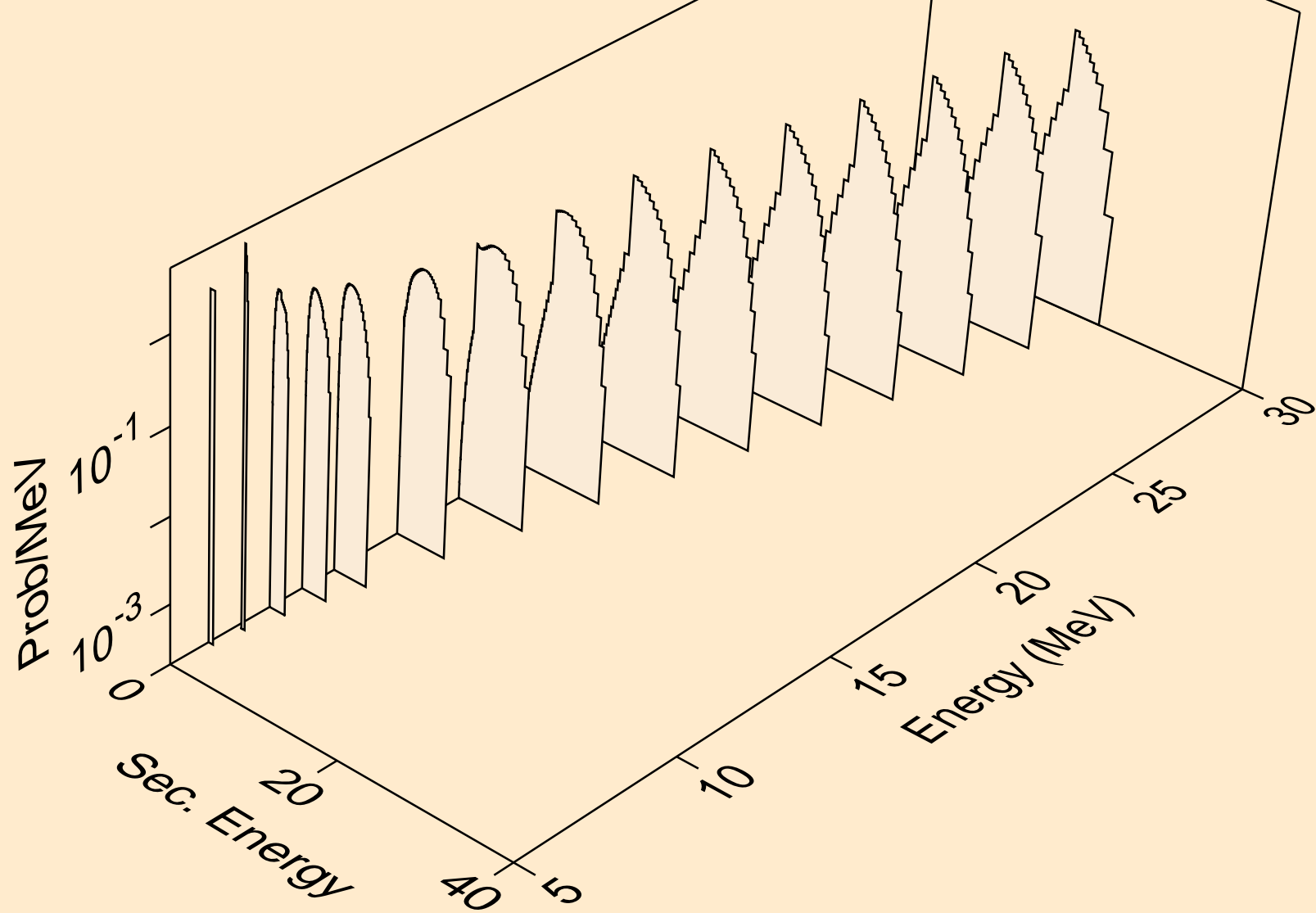


TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

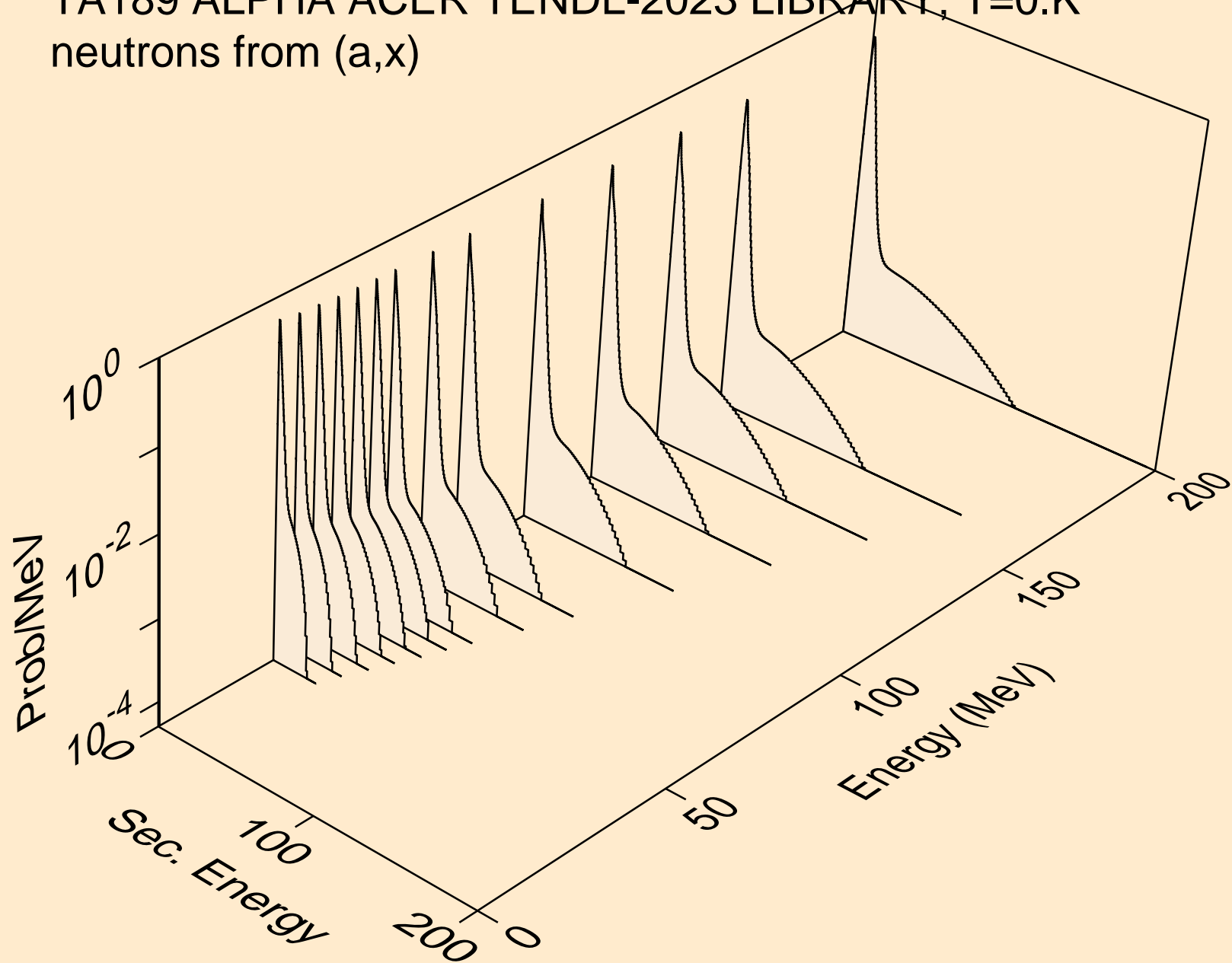
Particle production cross sections



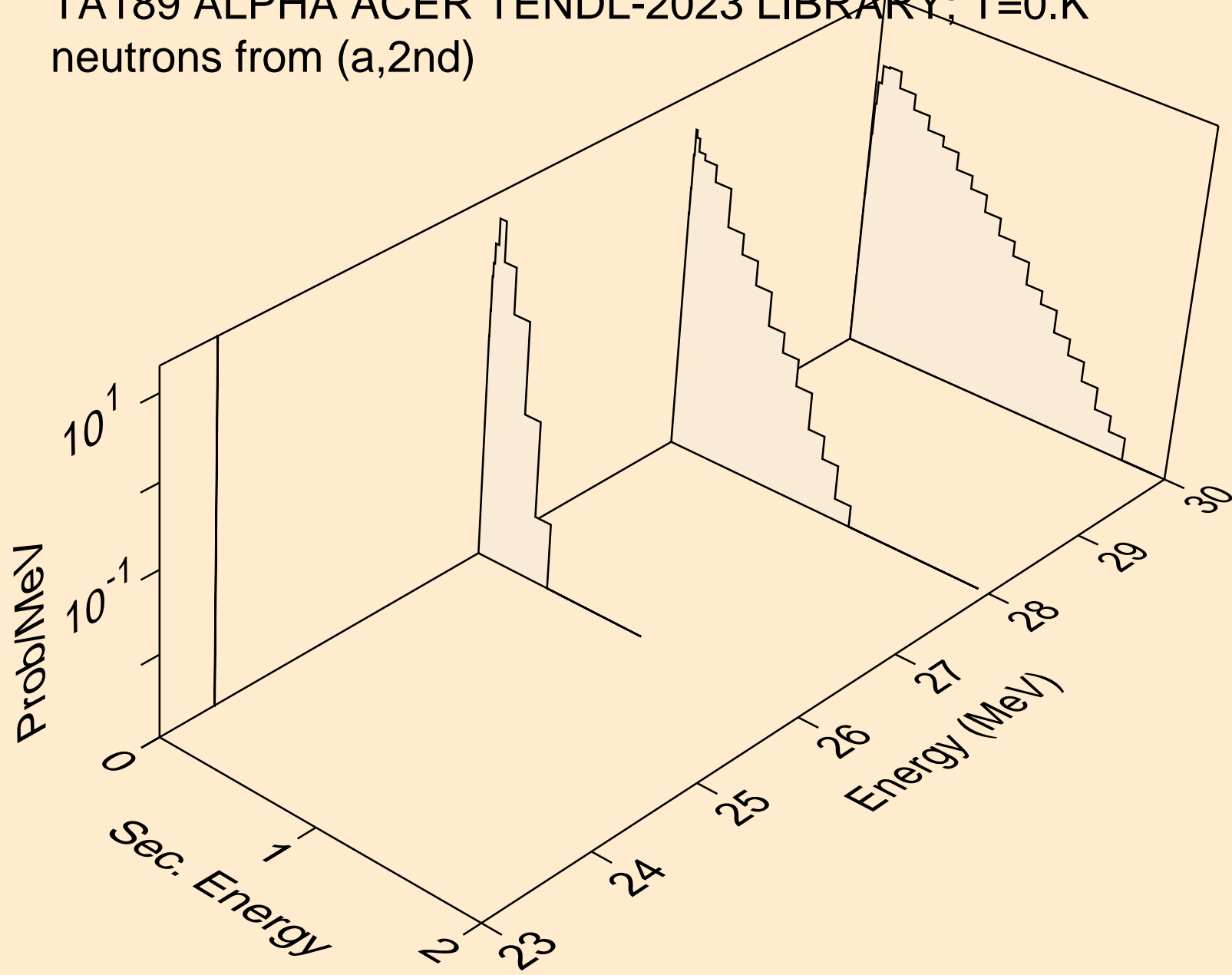
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



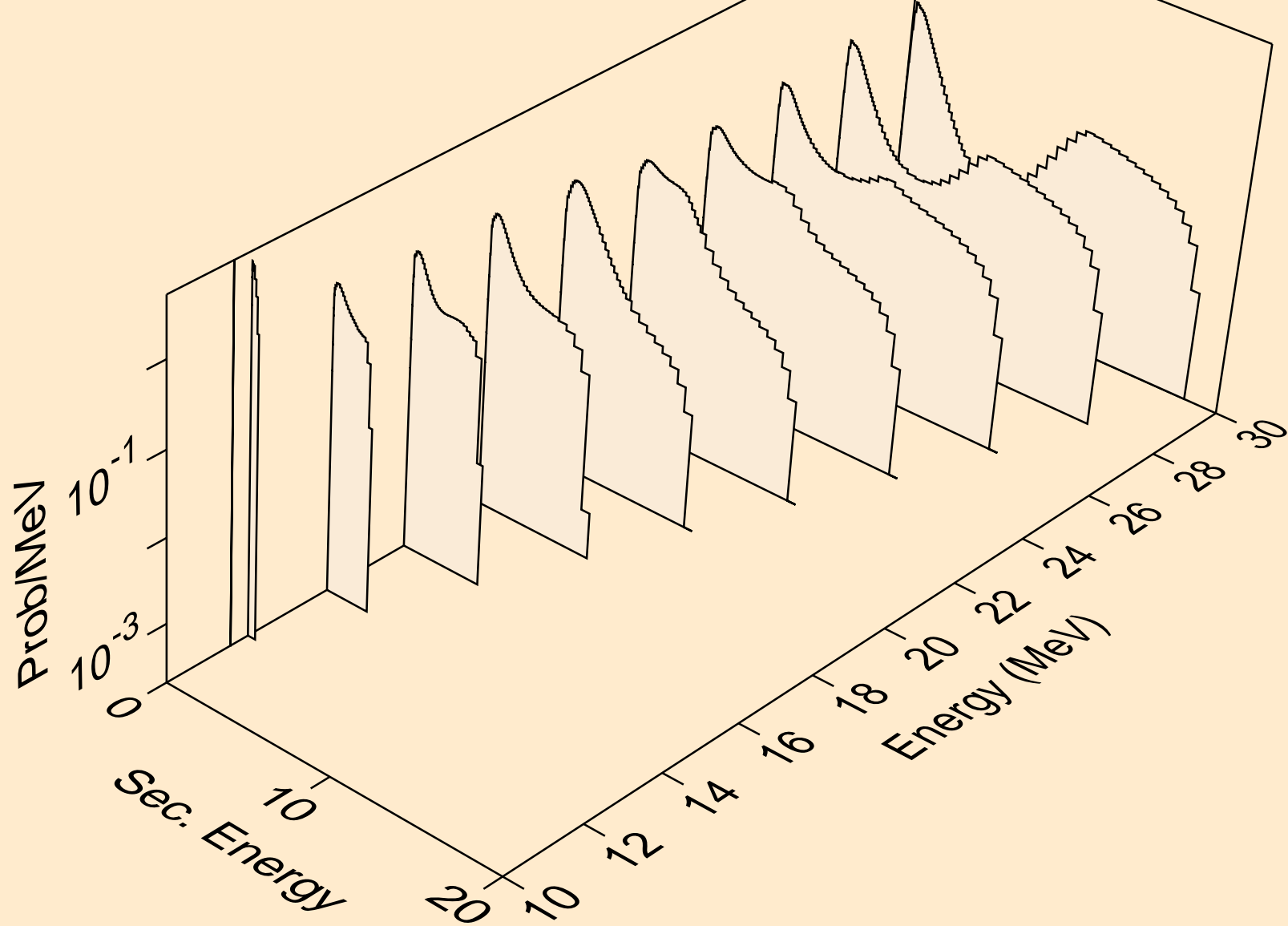
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



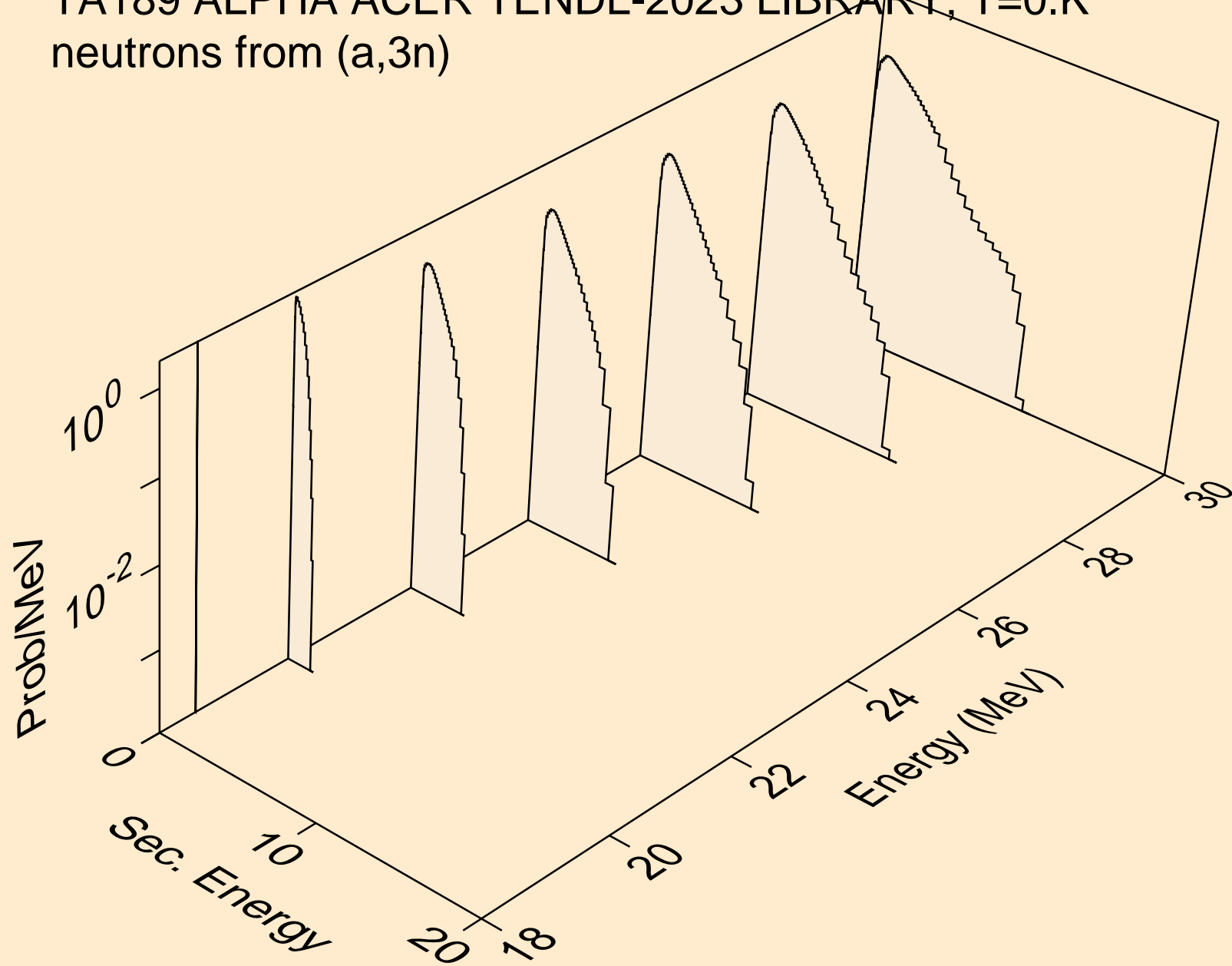
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2nd)



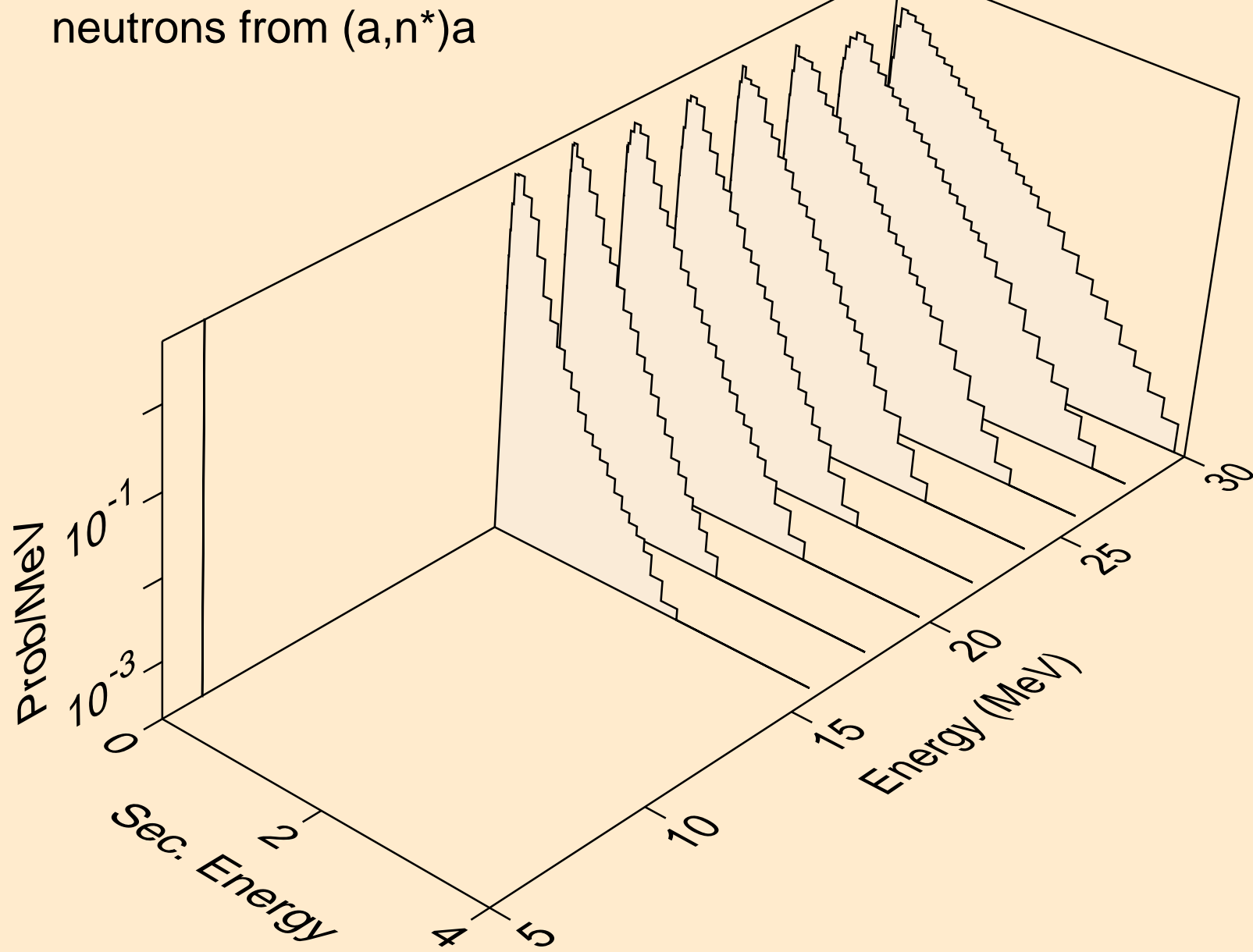
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)



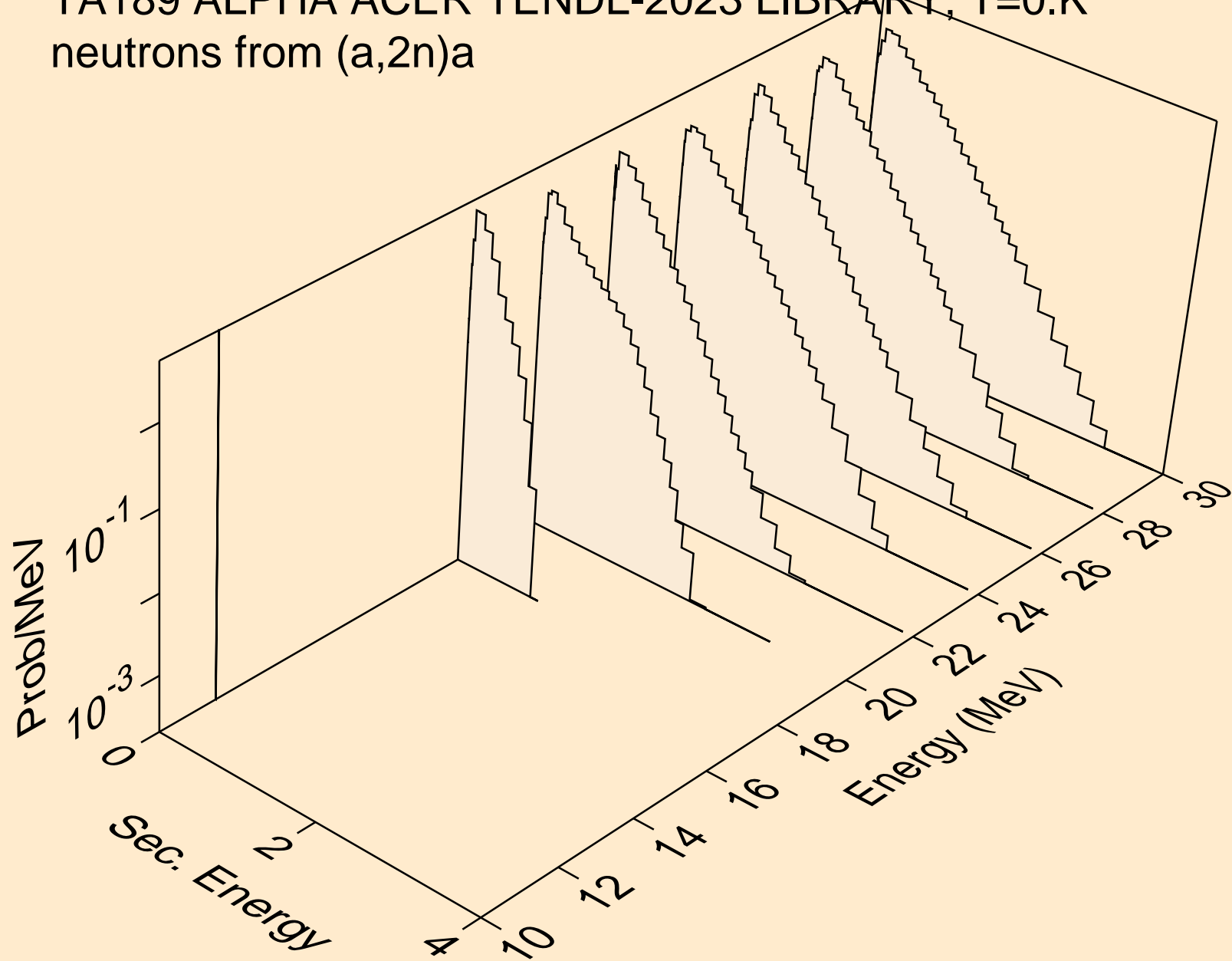
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)



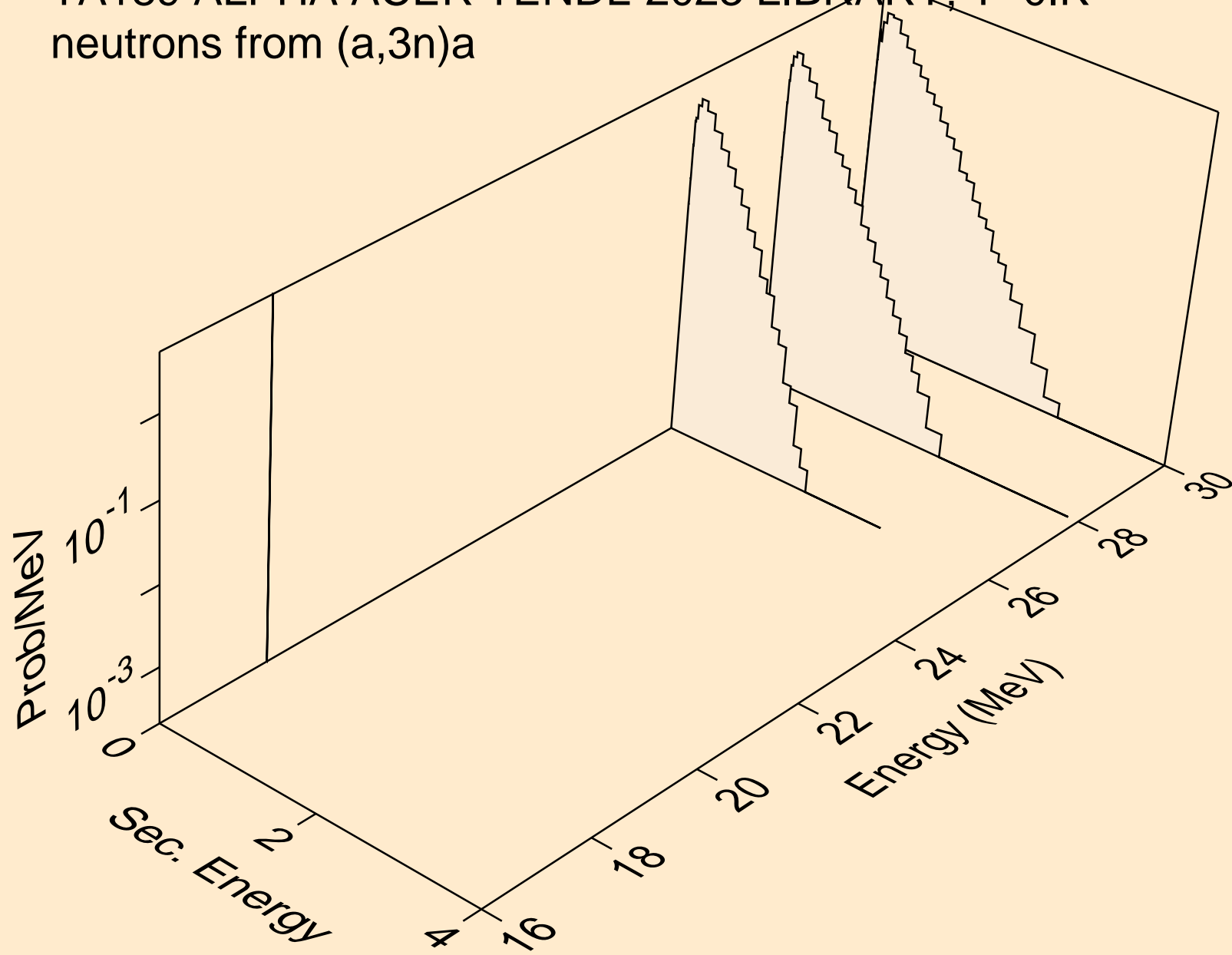
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



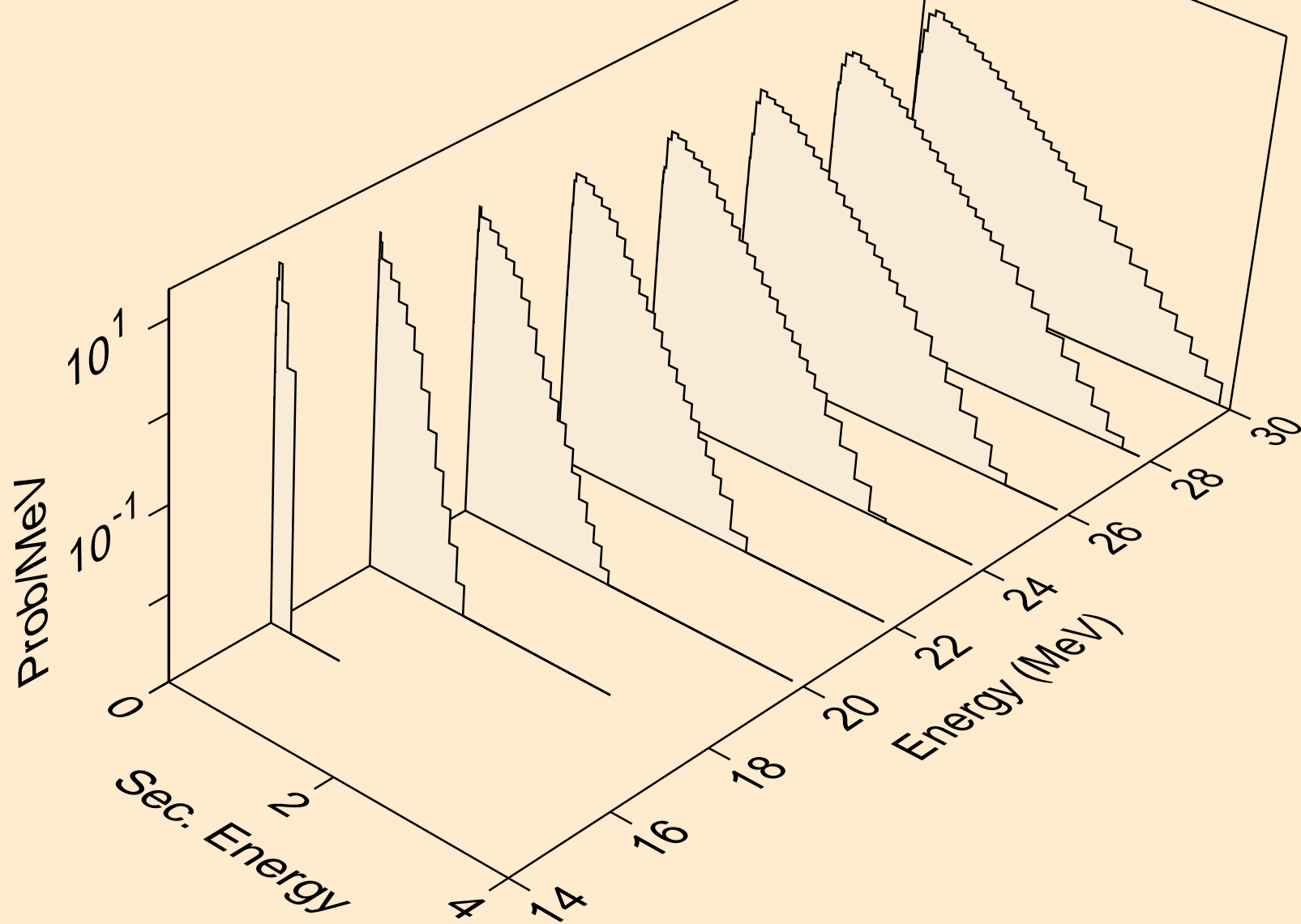
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a



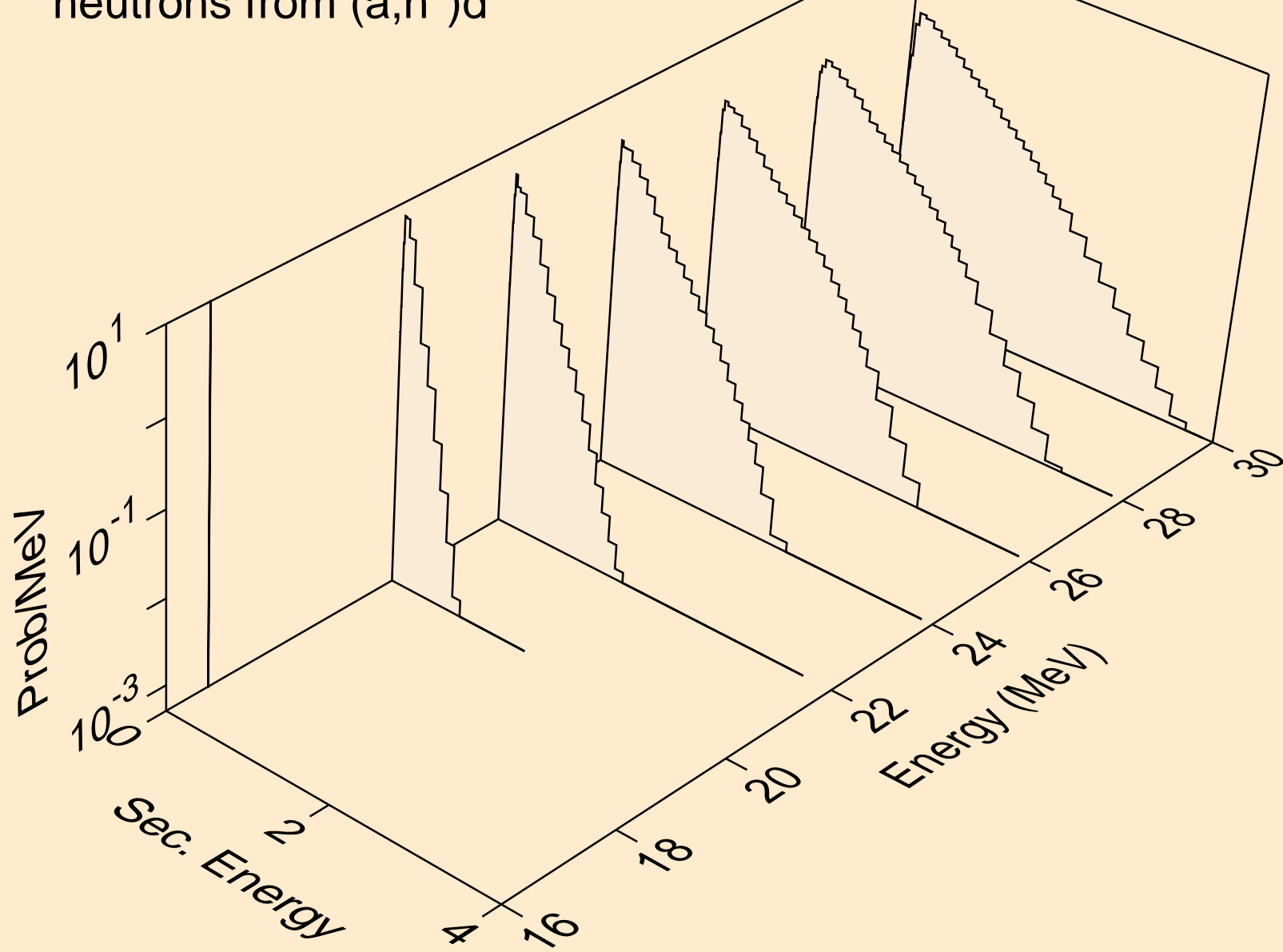
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)a



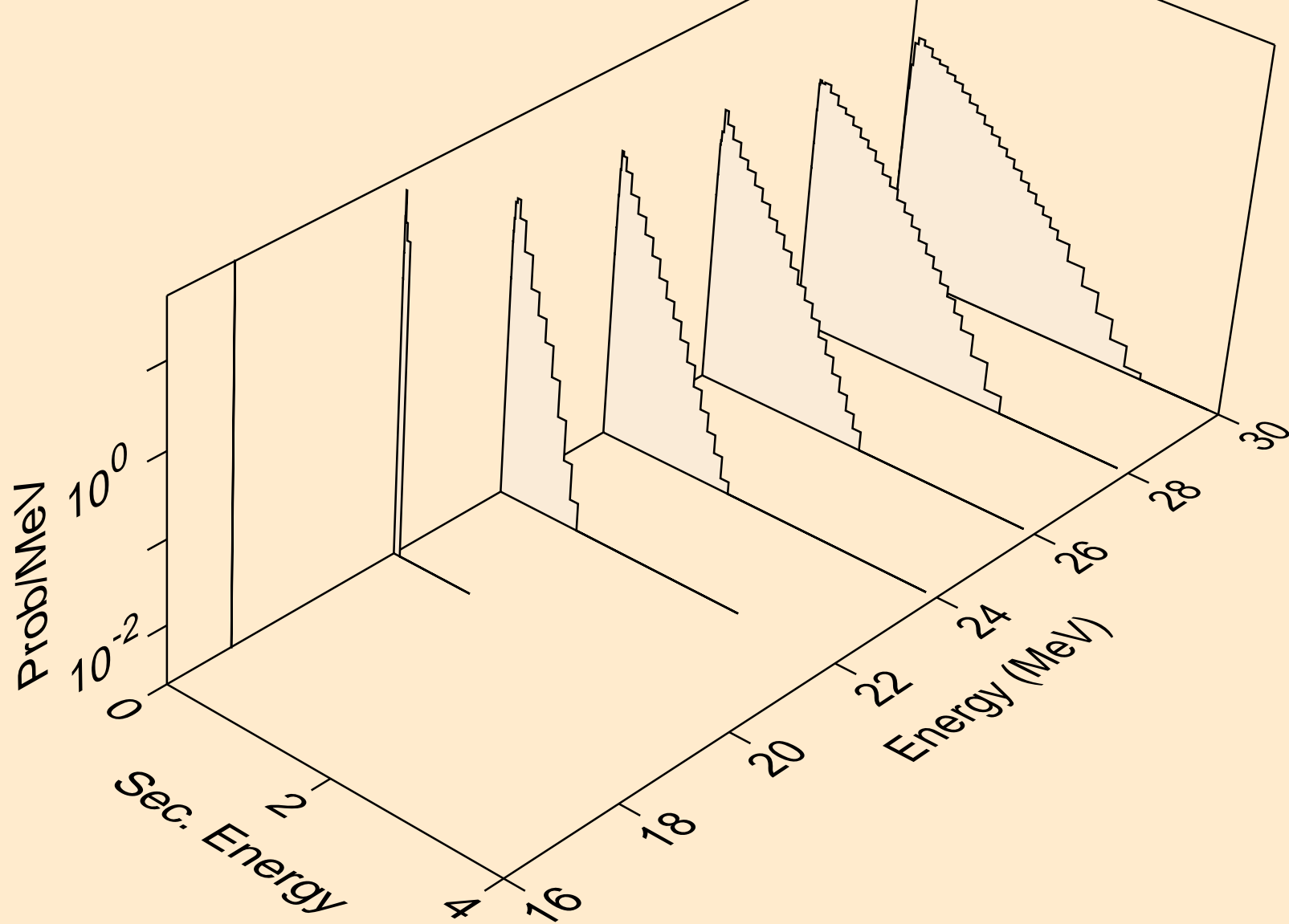
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



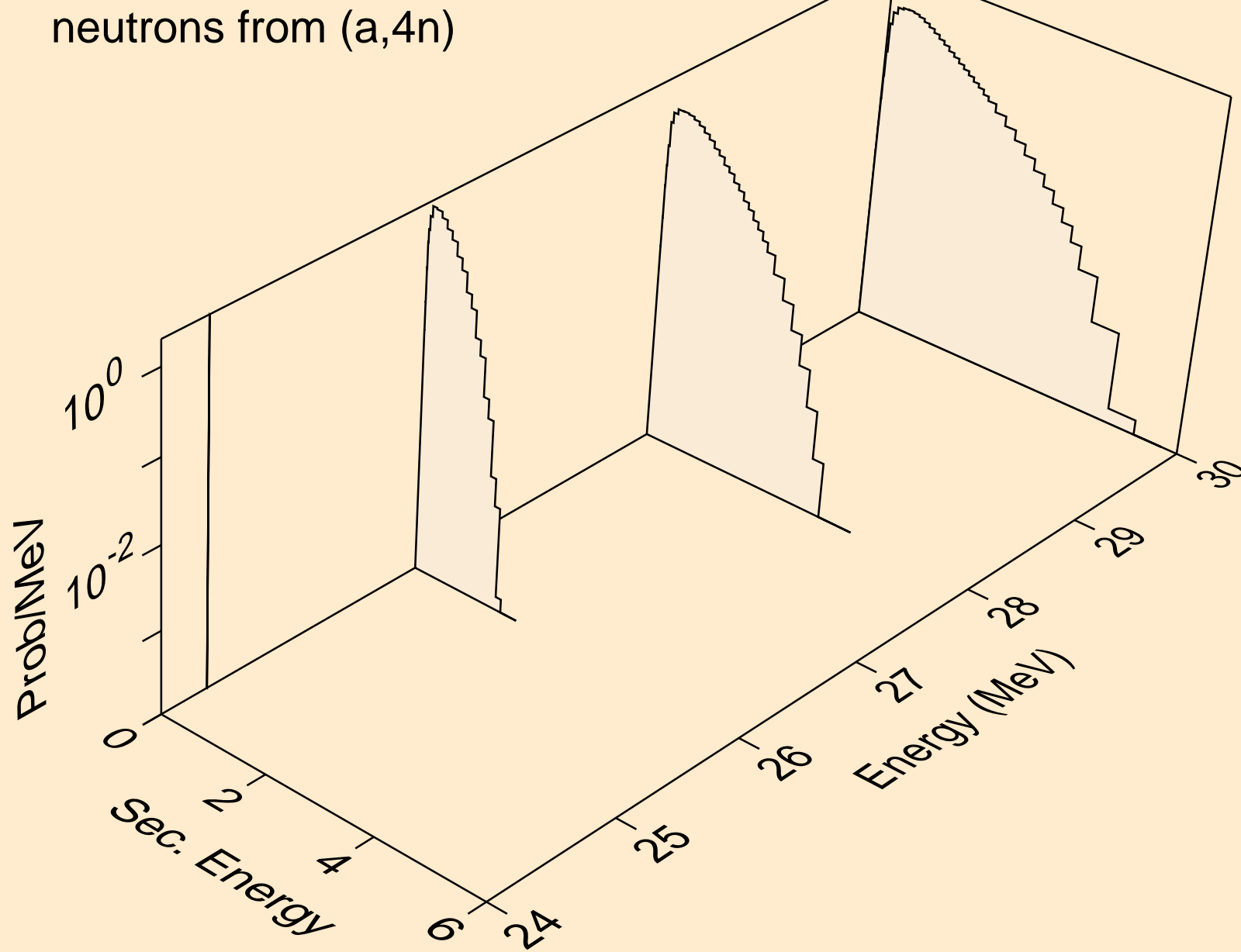
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d



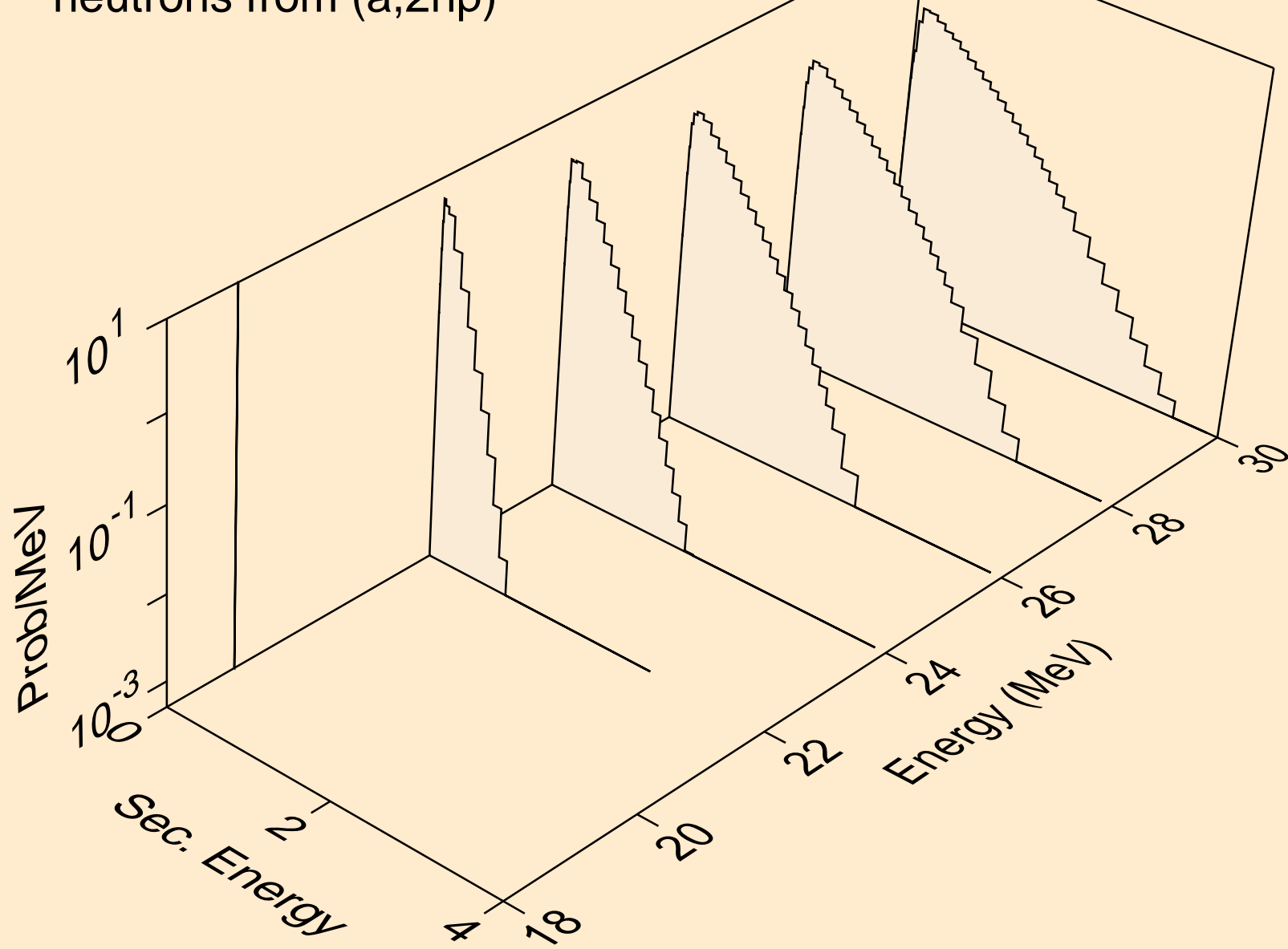
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)t



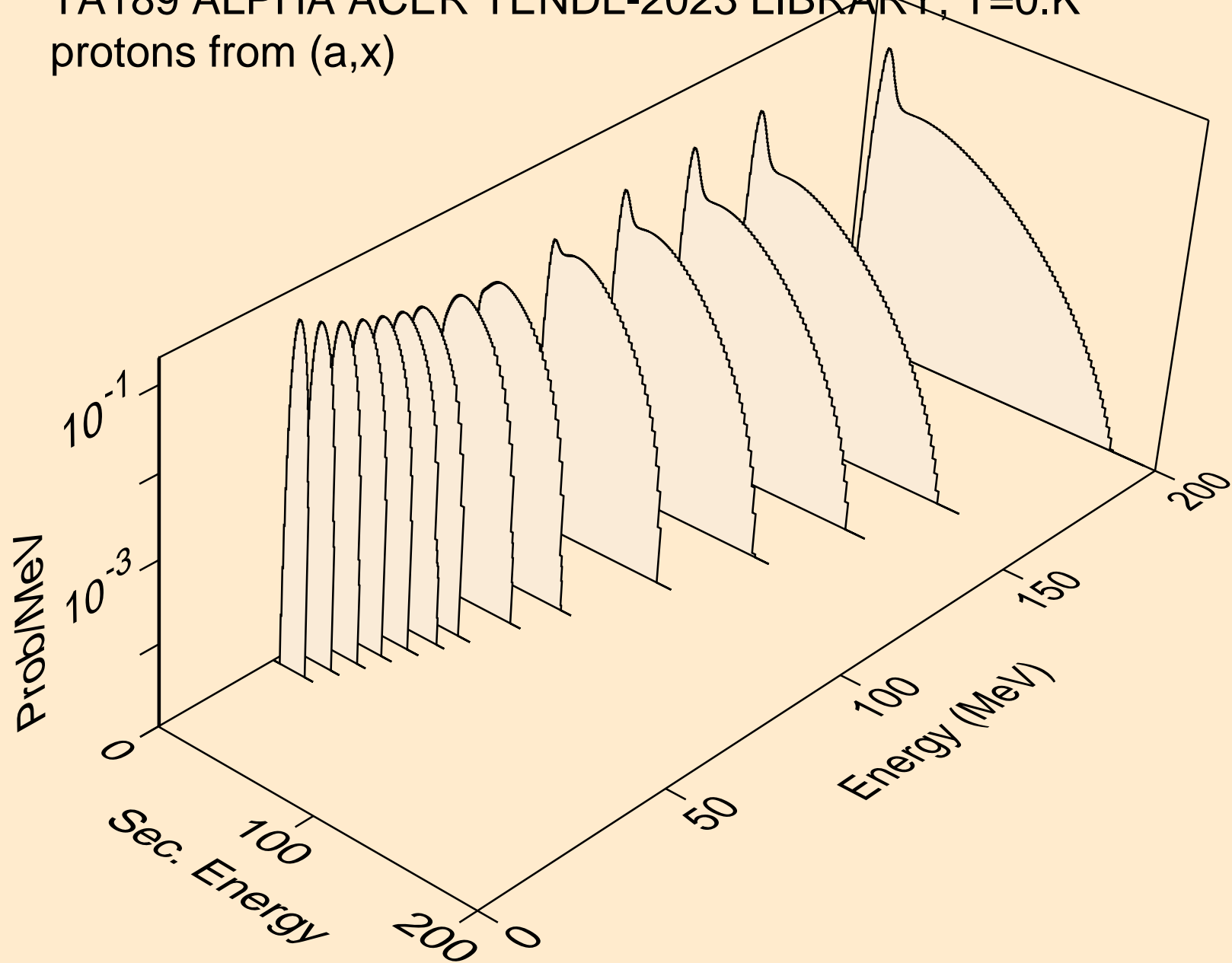
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,4n)



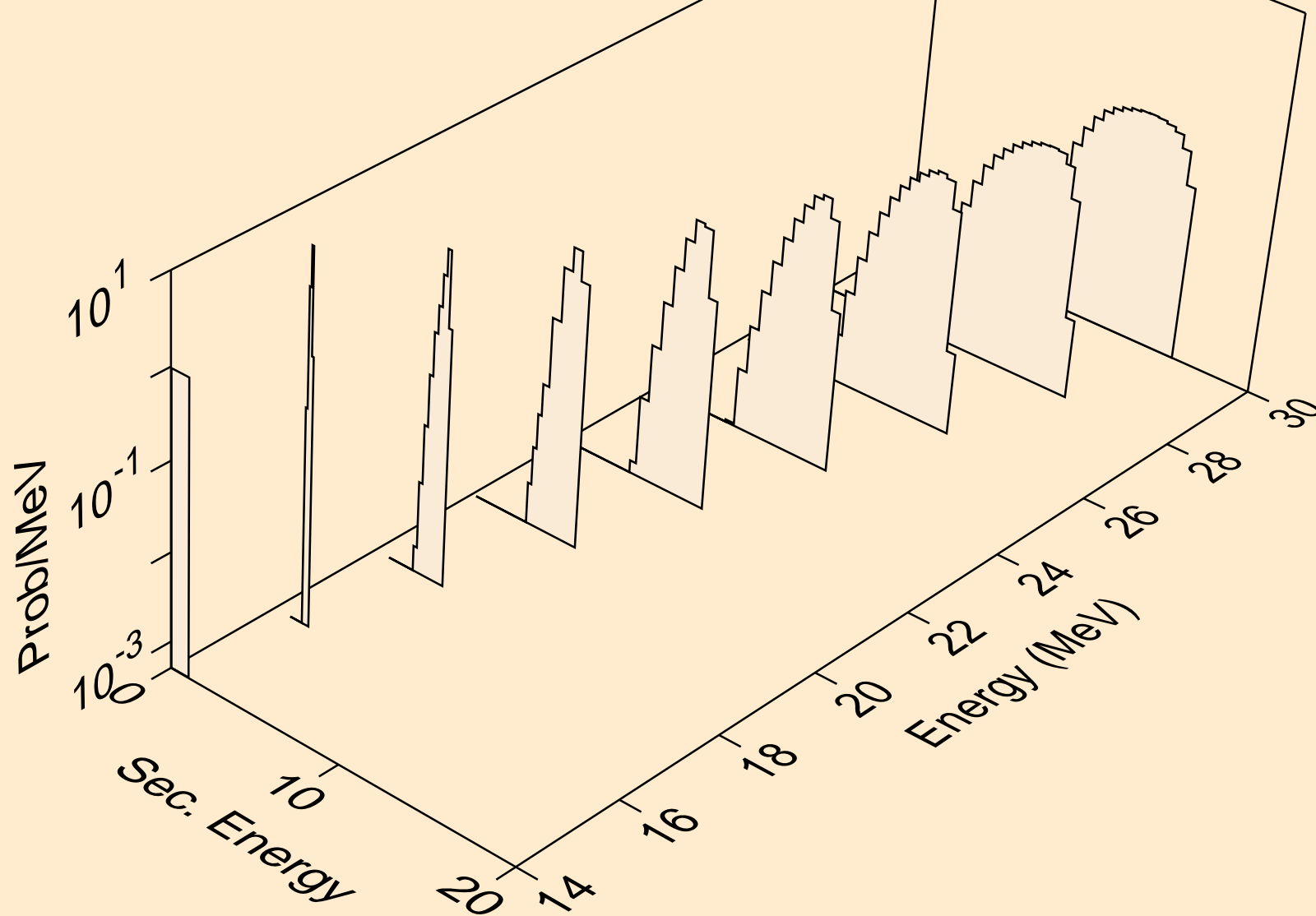
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2np)



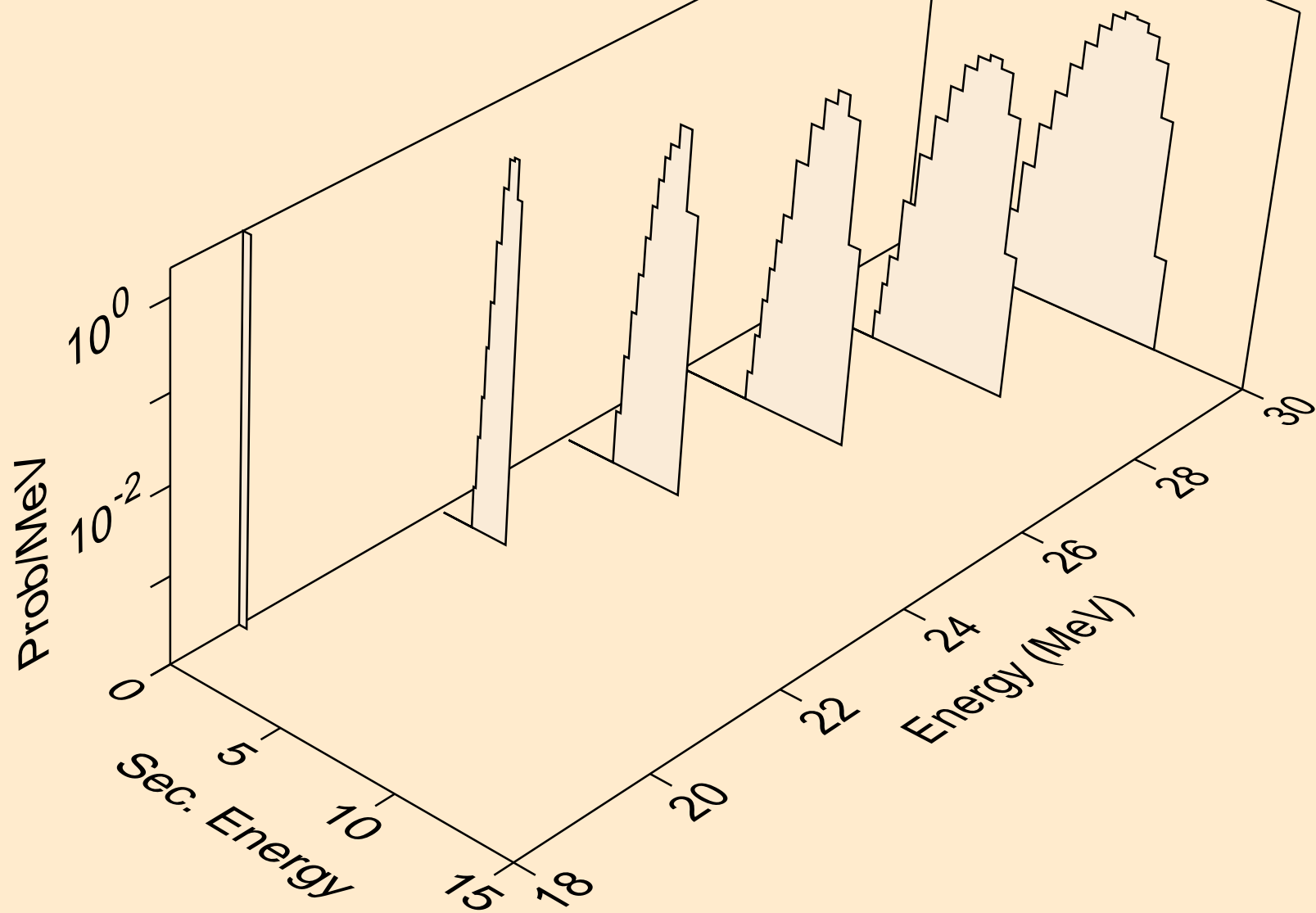
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,x)



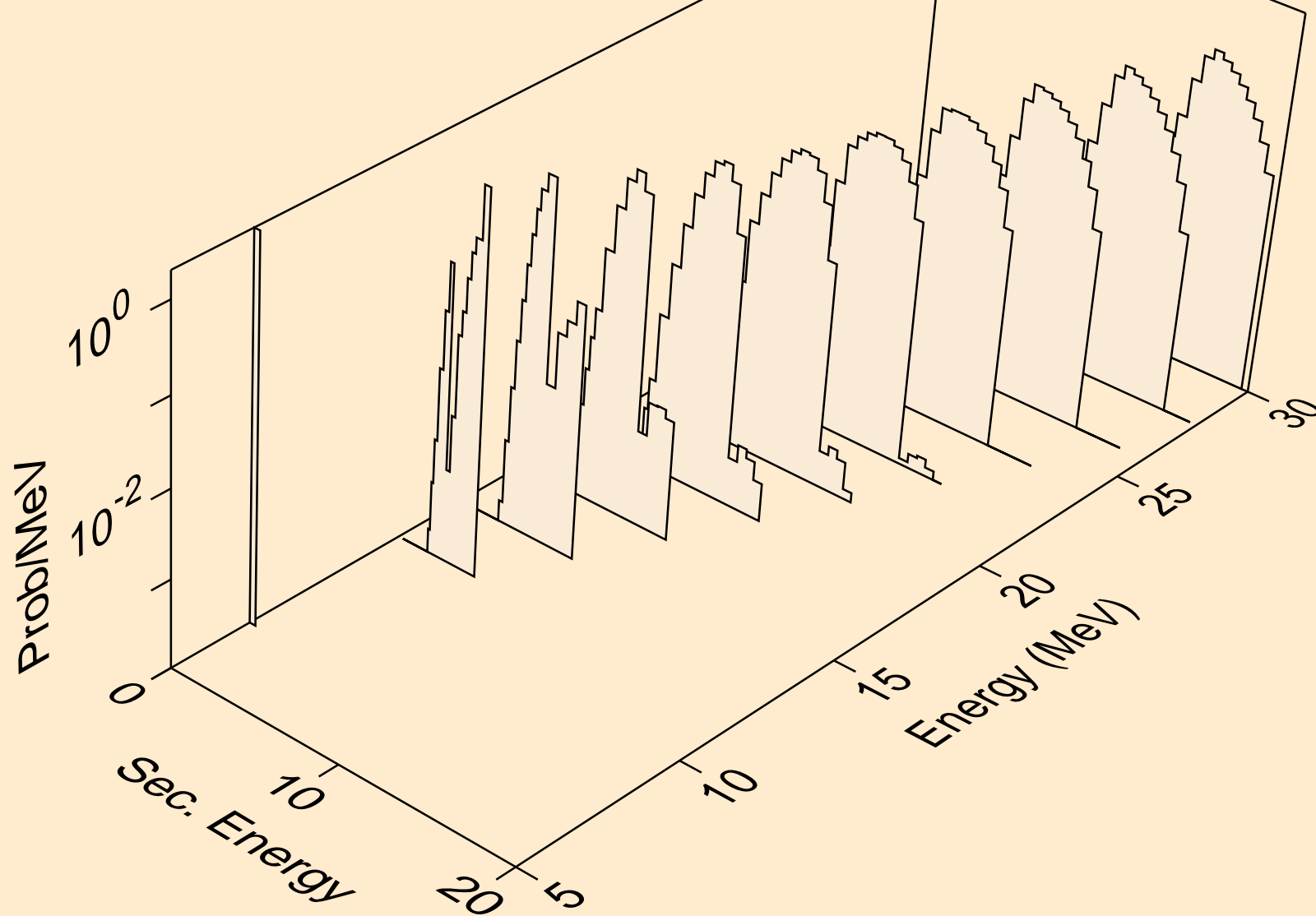
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,n*)p



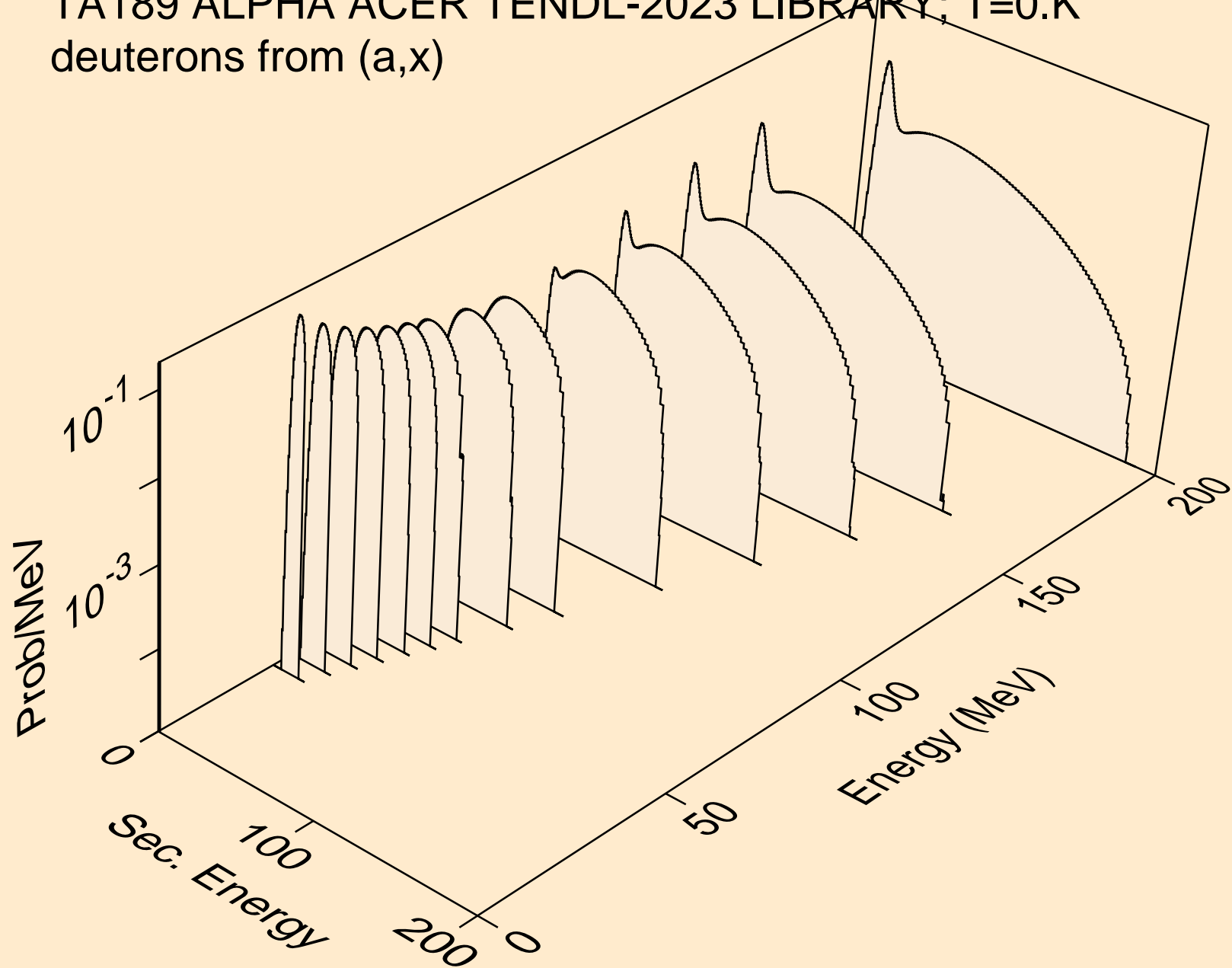
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,2np)



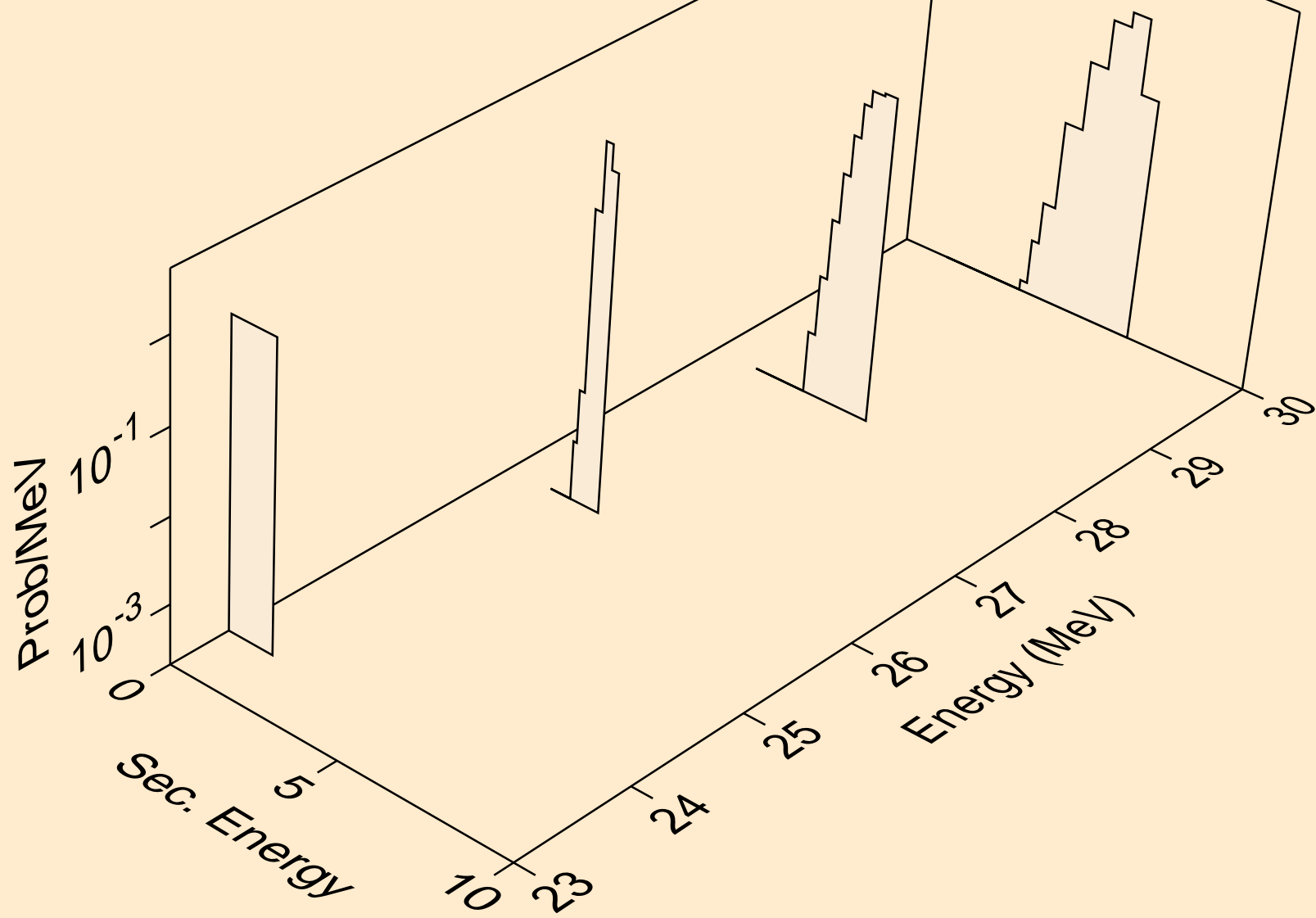
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,p)



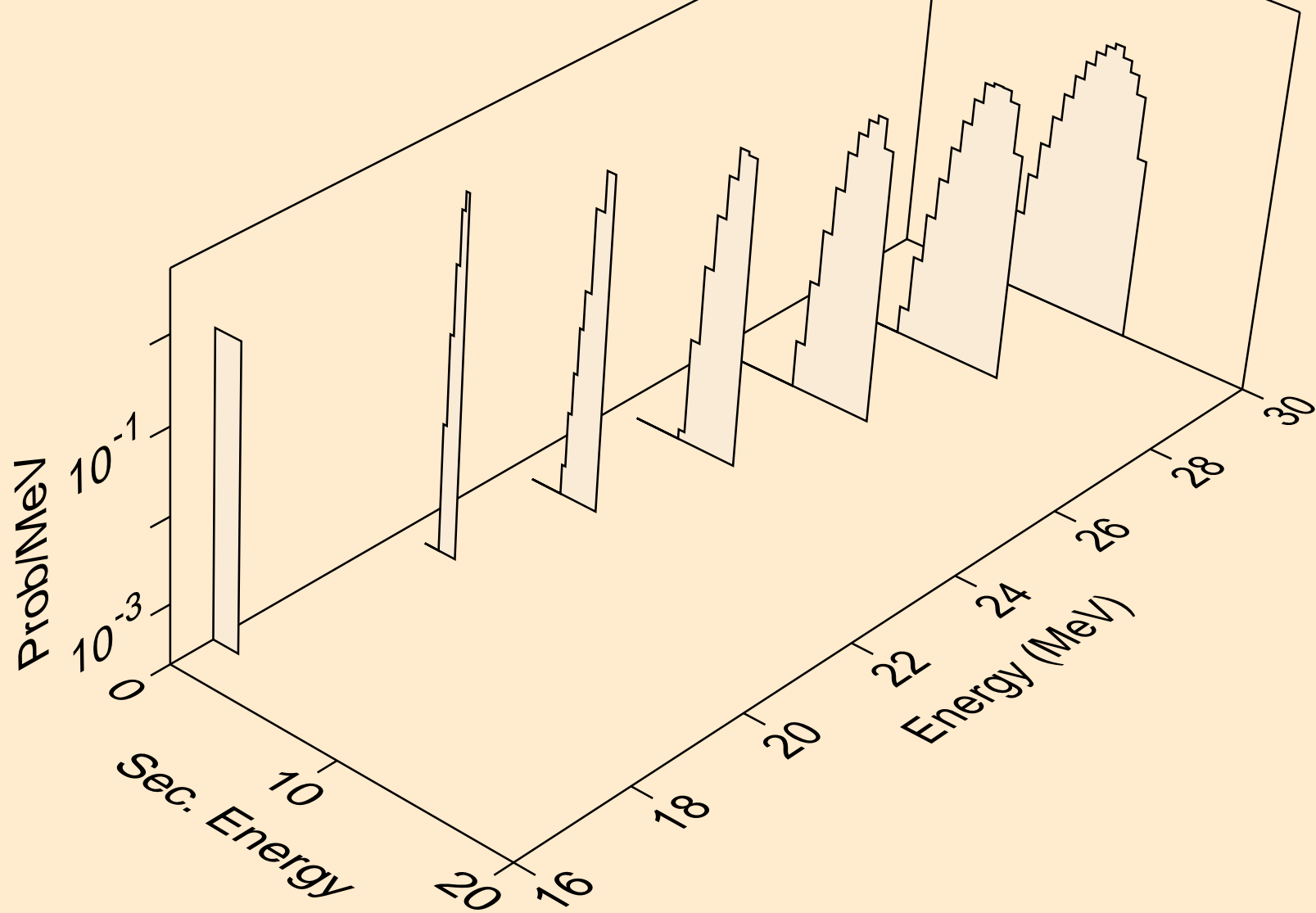
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



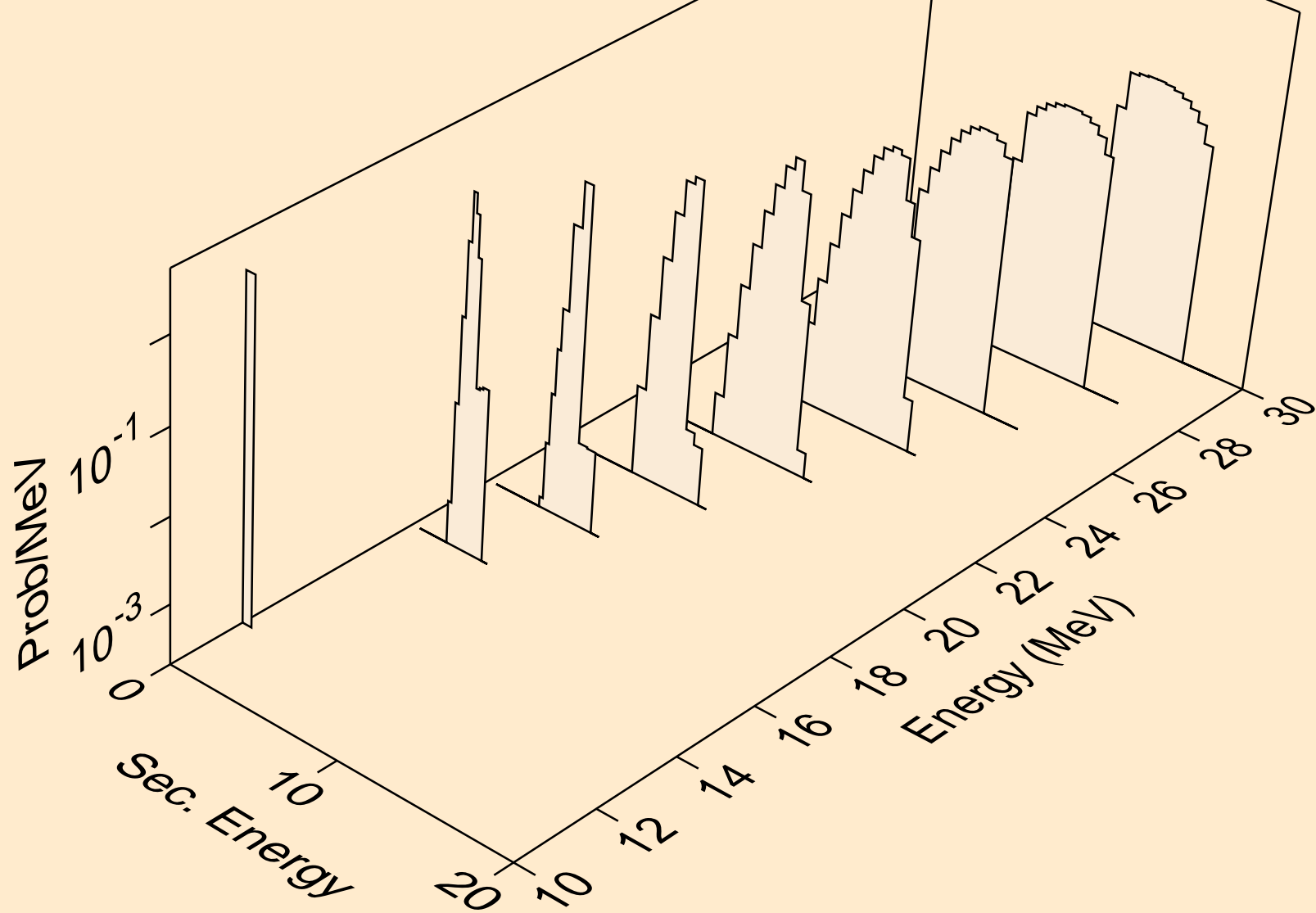
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,2nd)



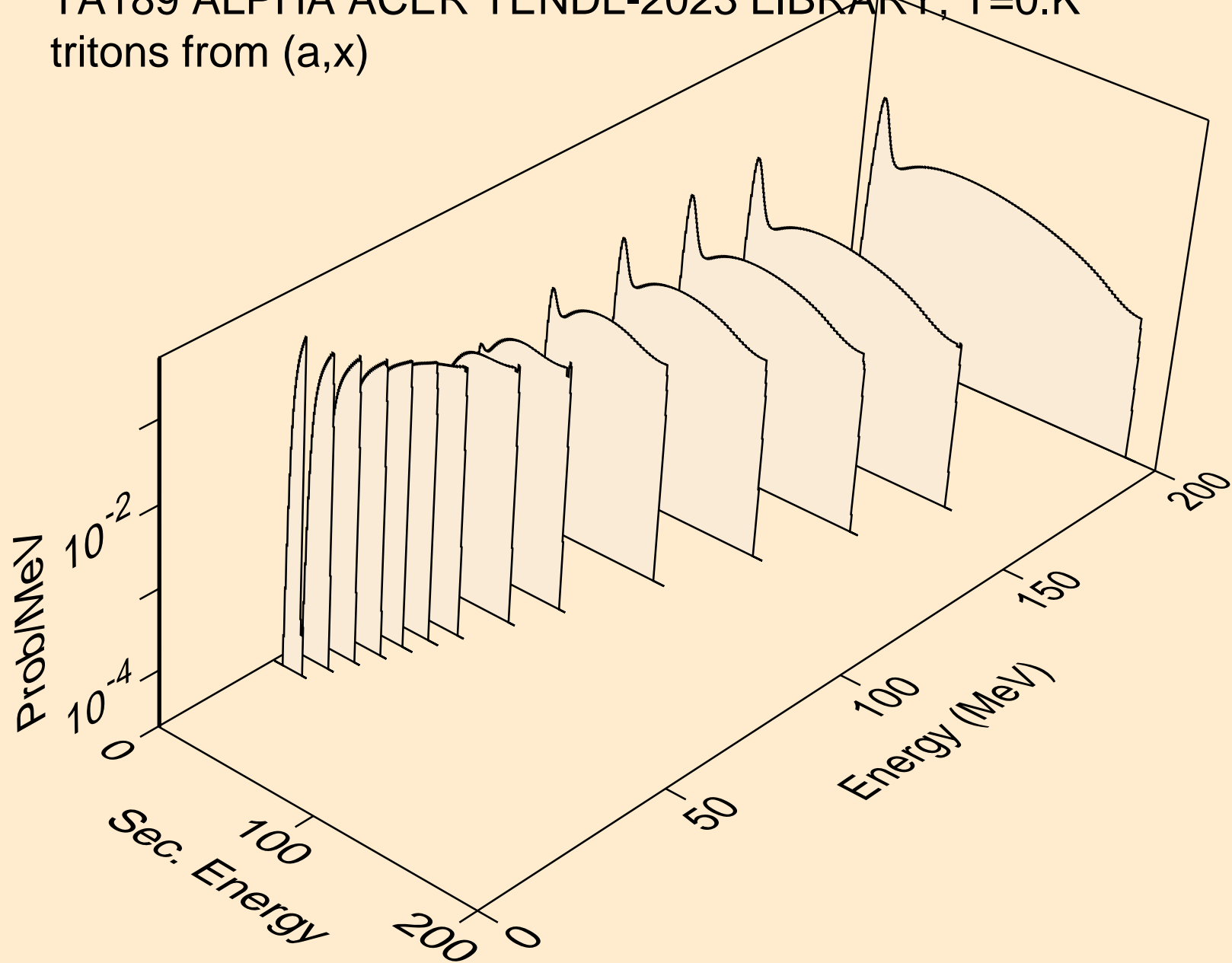
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deuterons from (a,n*)d



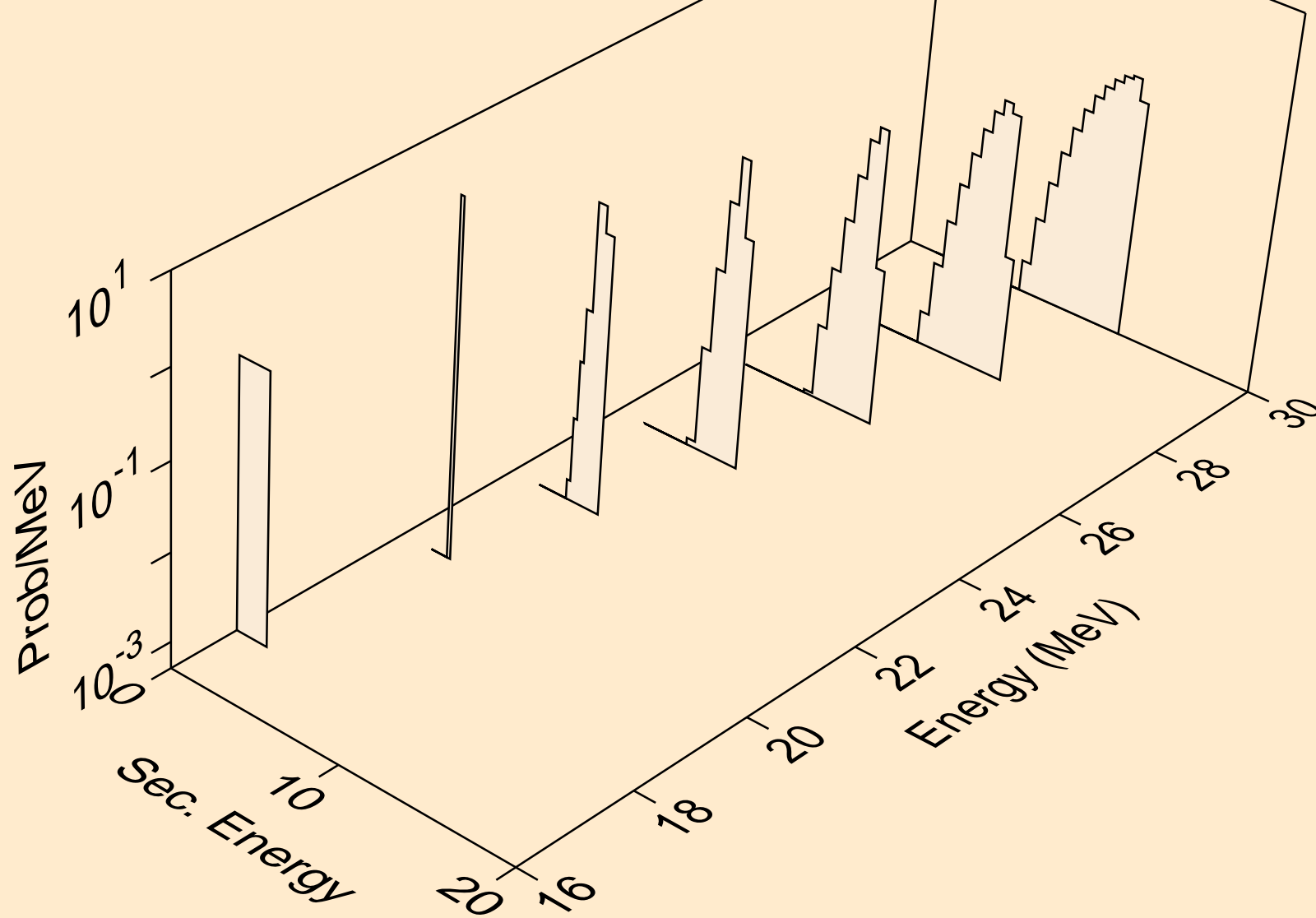
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)



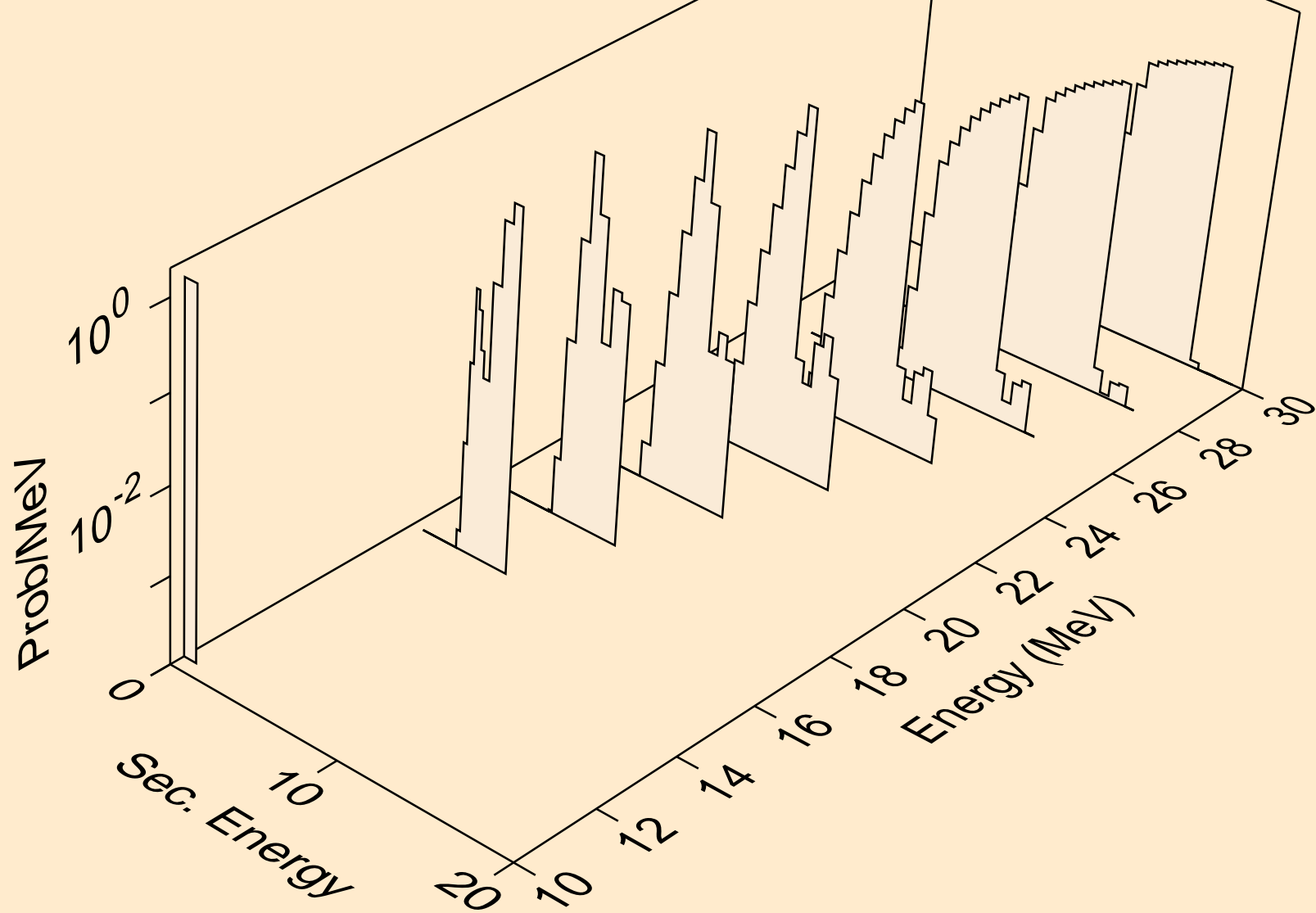
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)



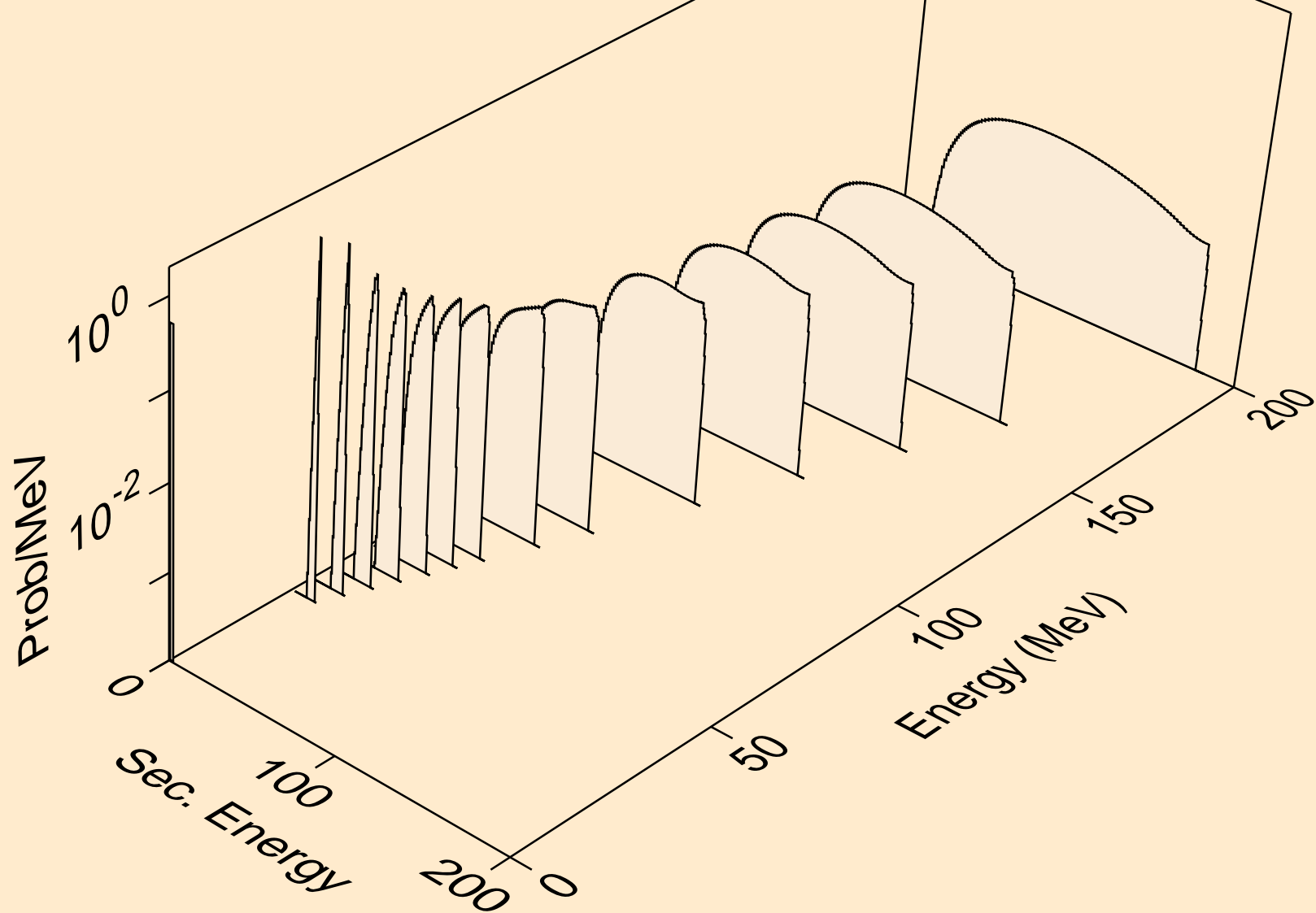
TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,n*)t



TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



TA189 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

