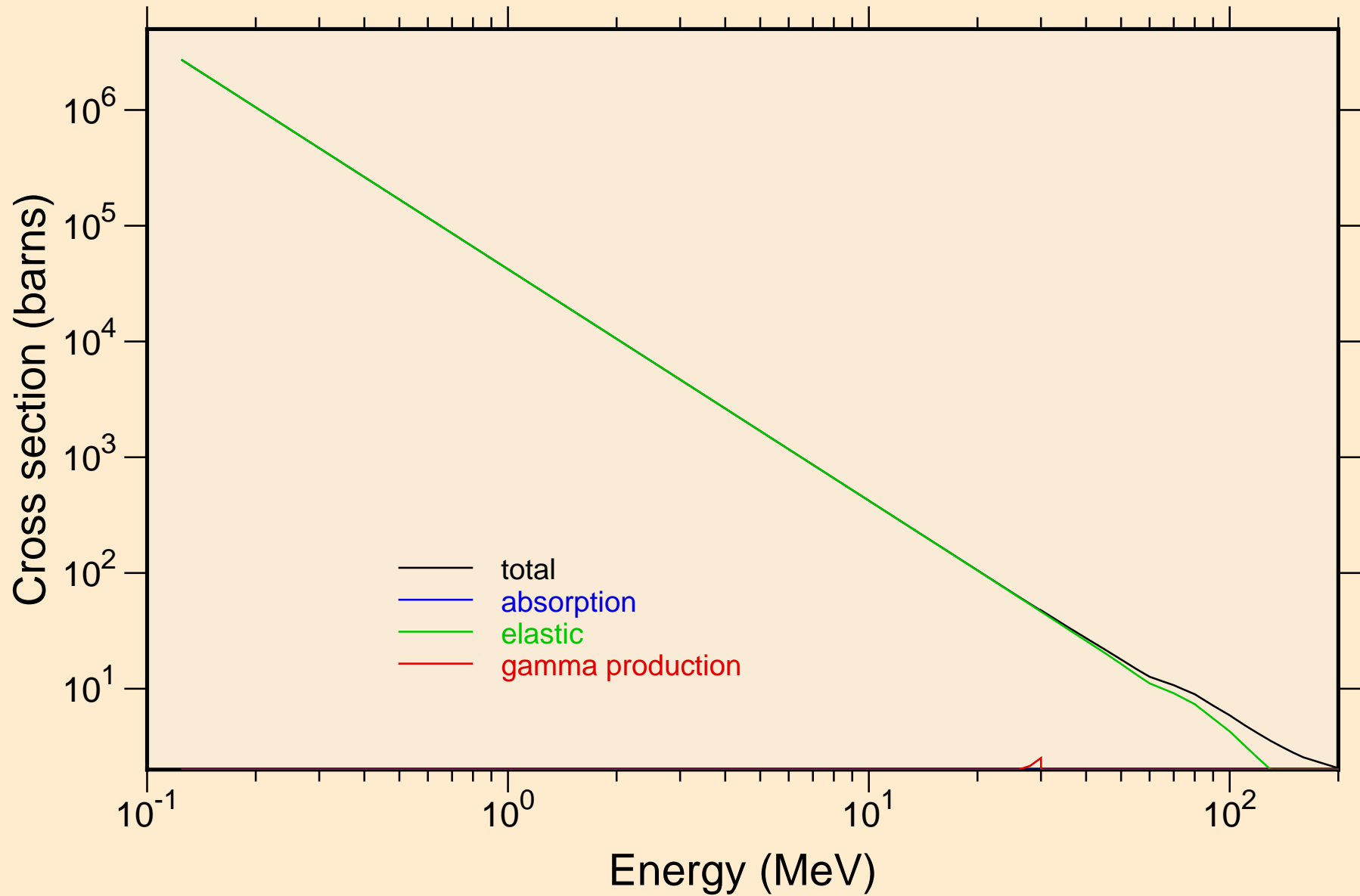
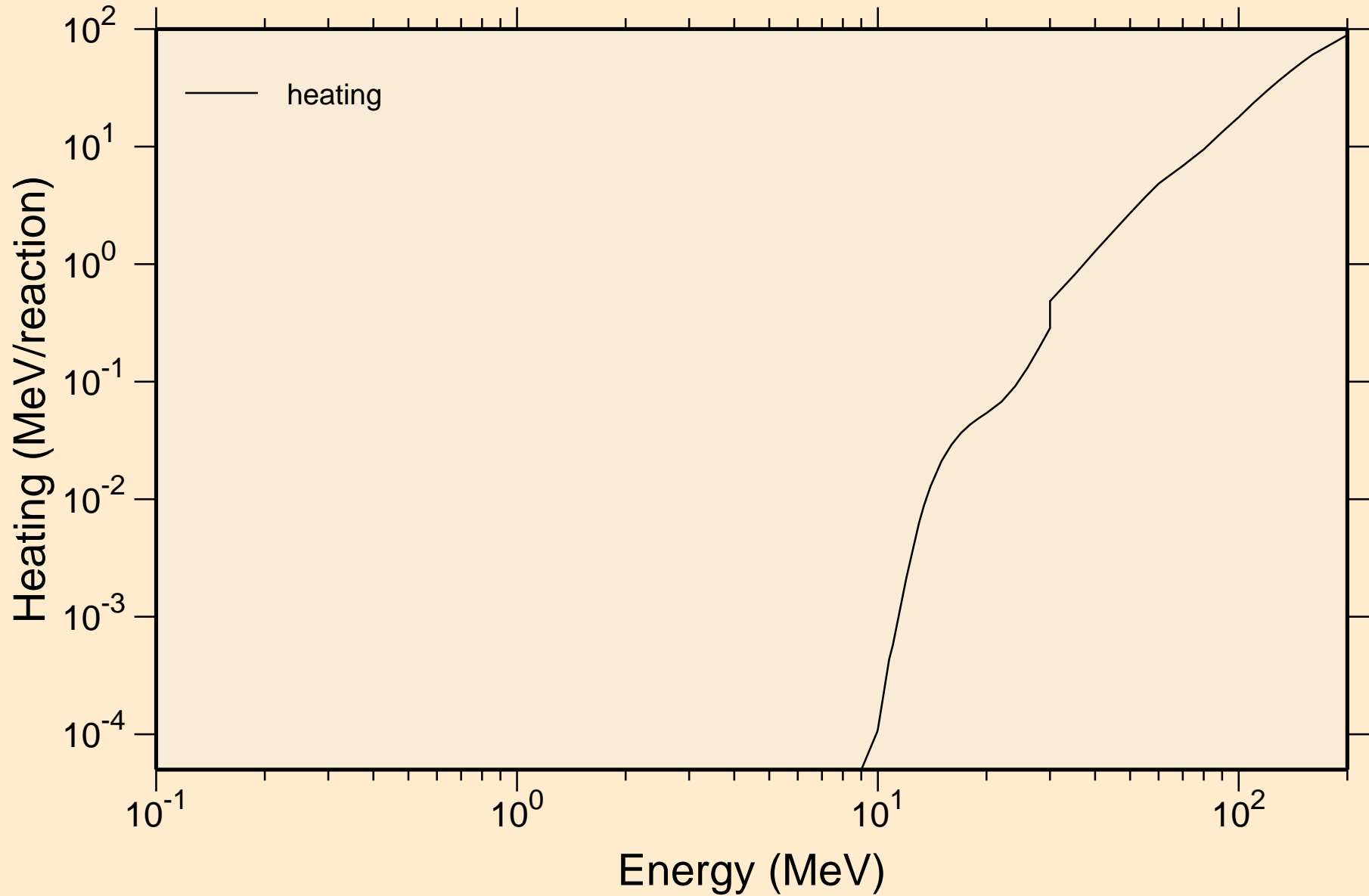


ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



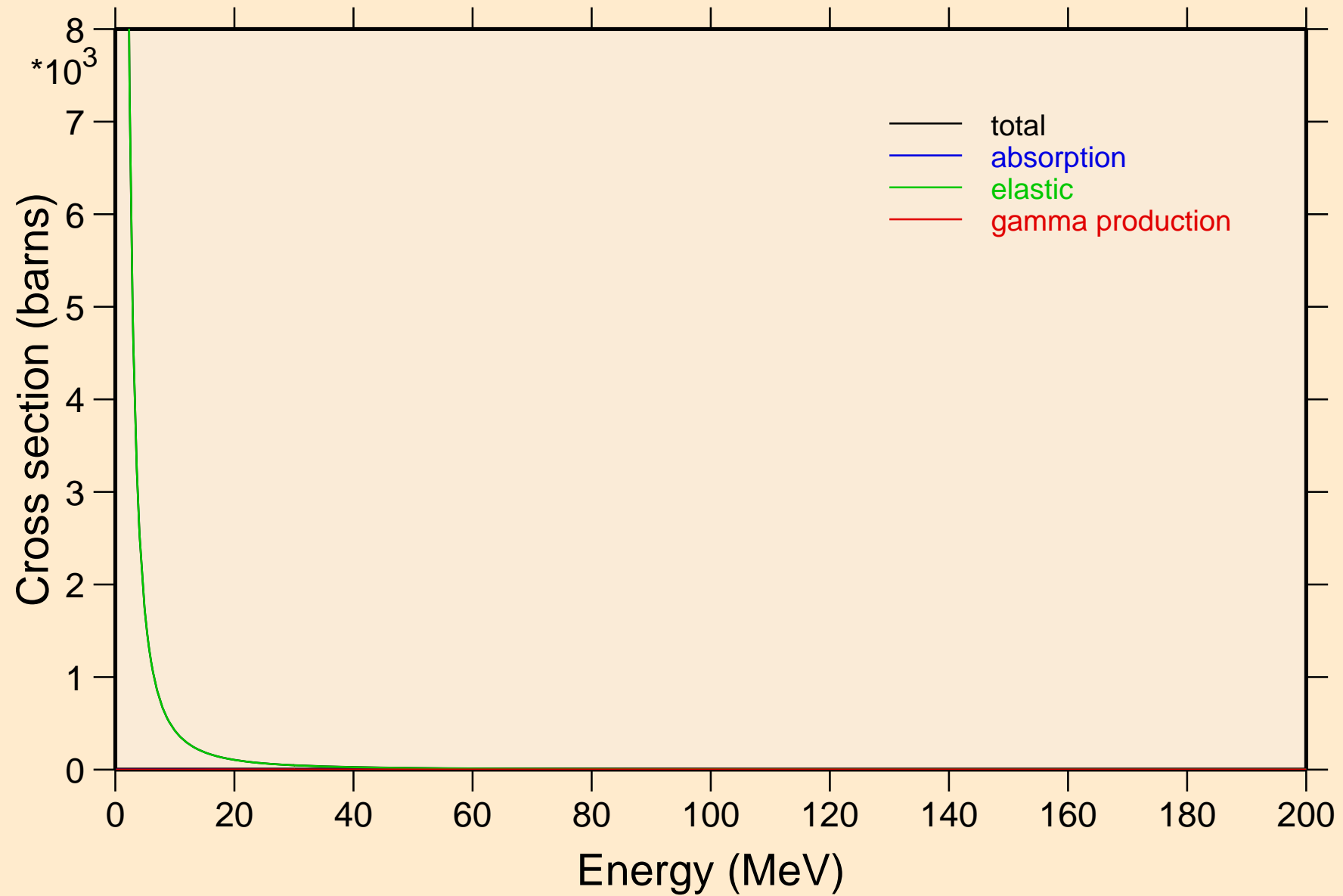
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



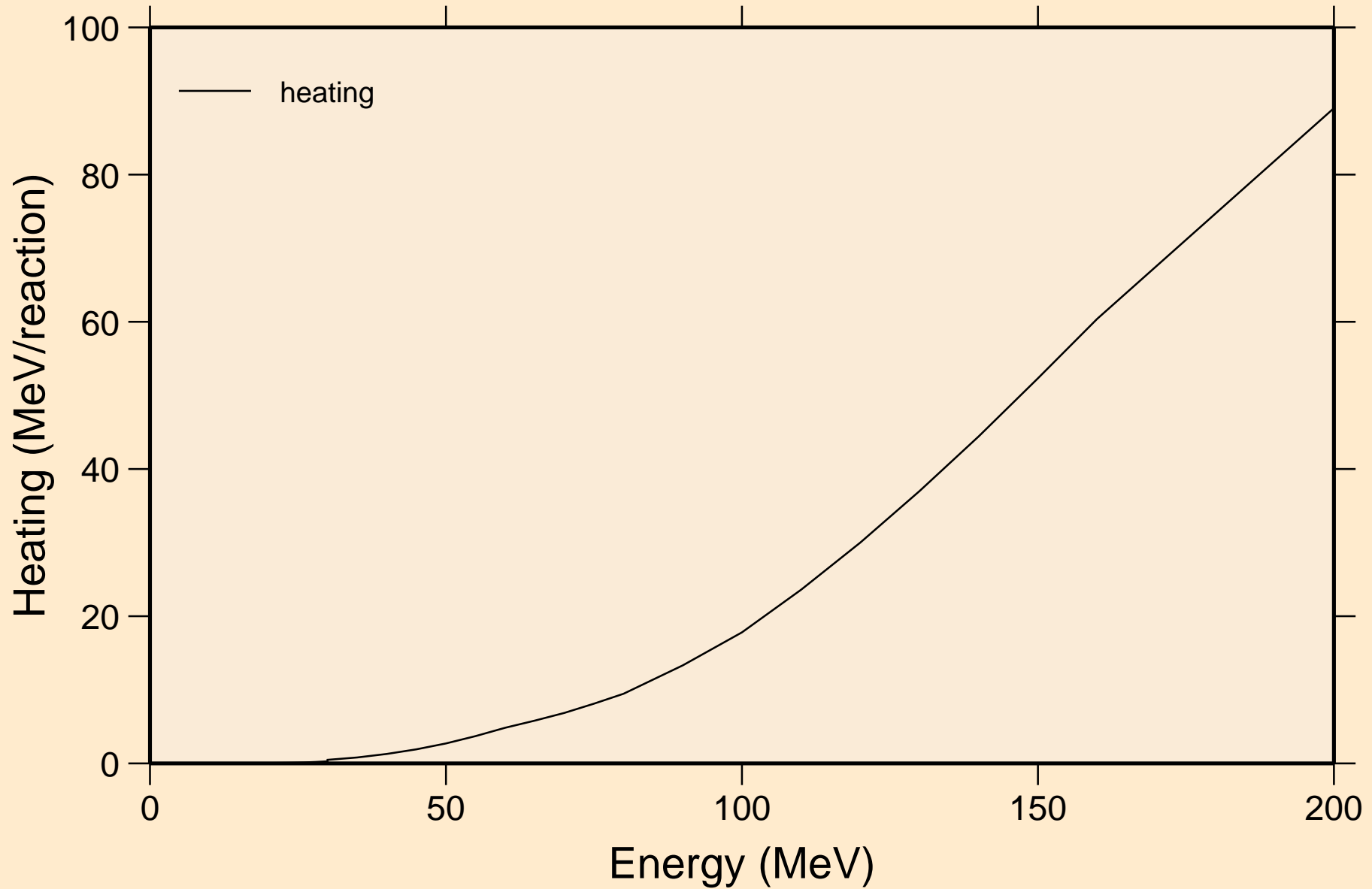
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



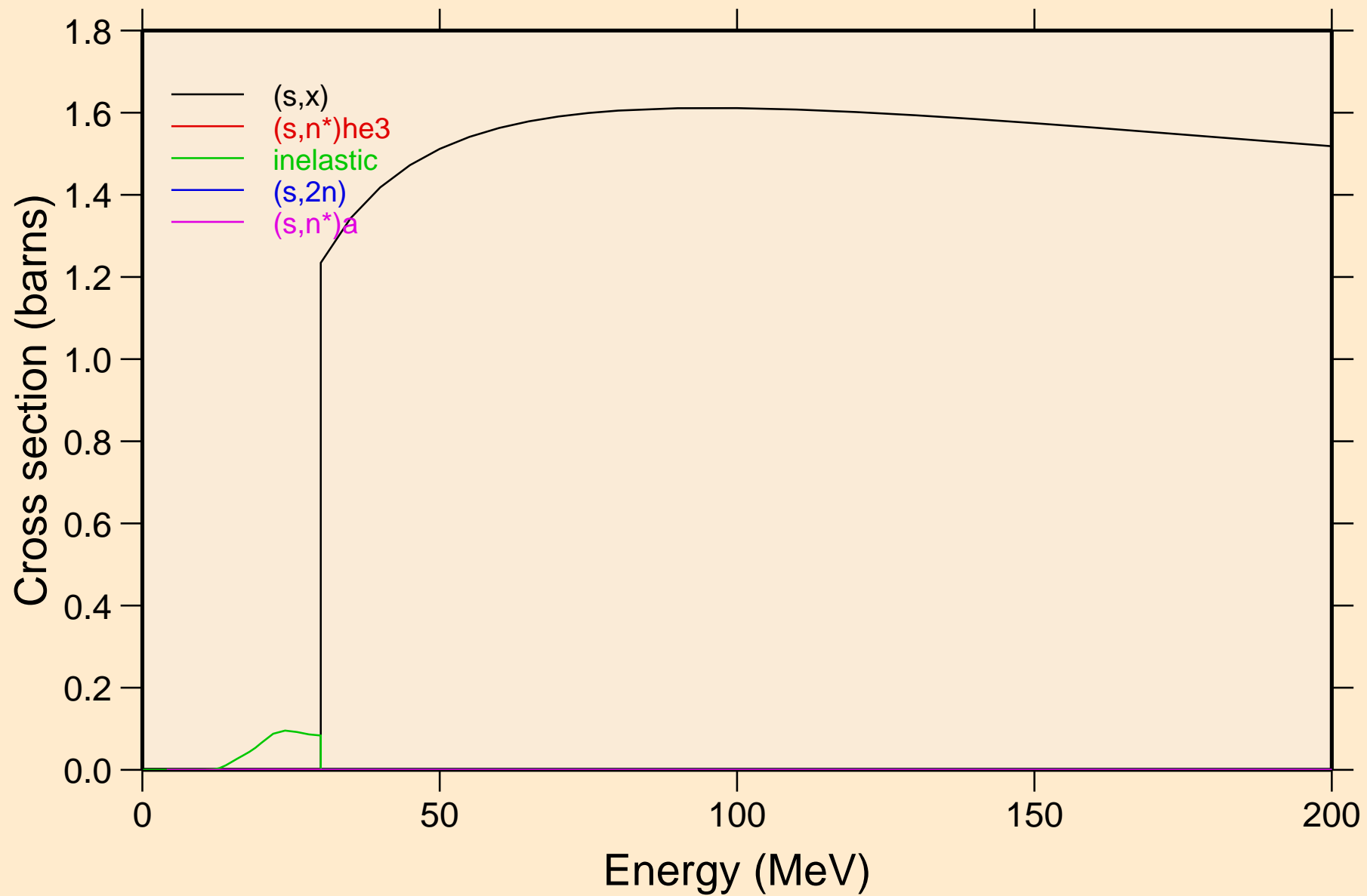
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating

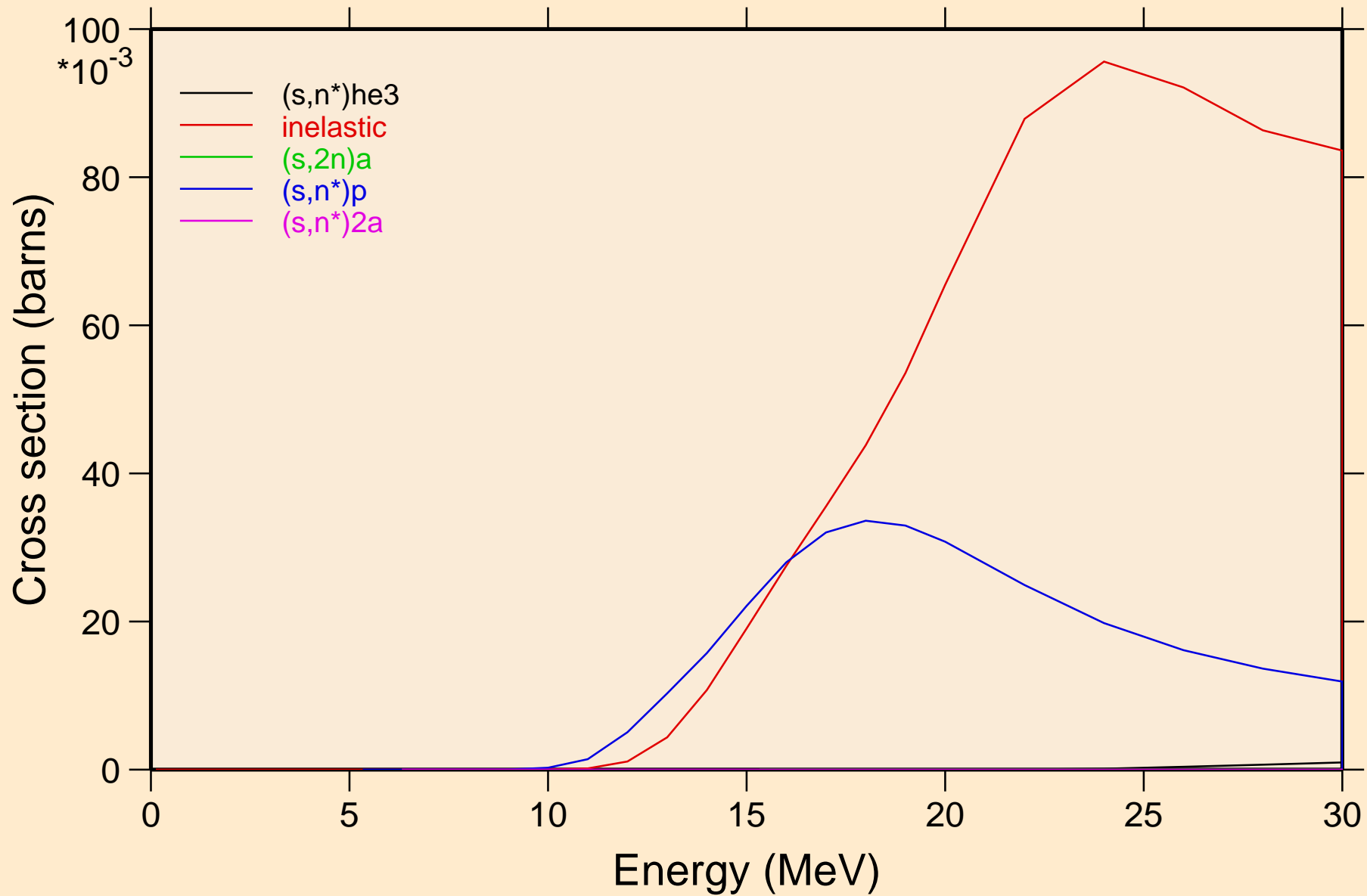


ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K

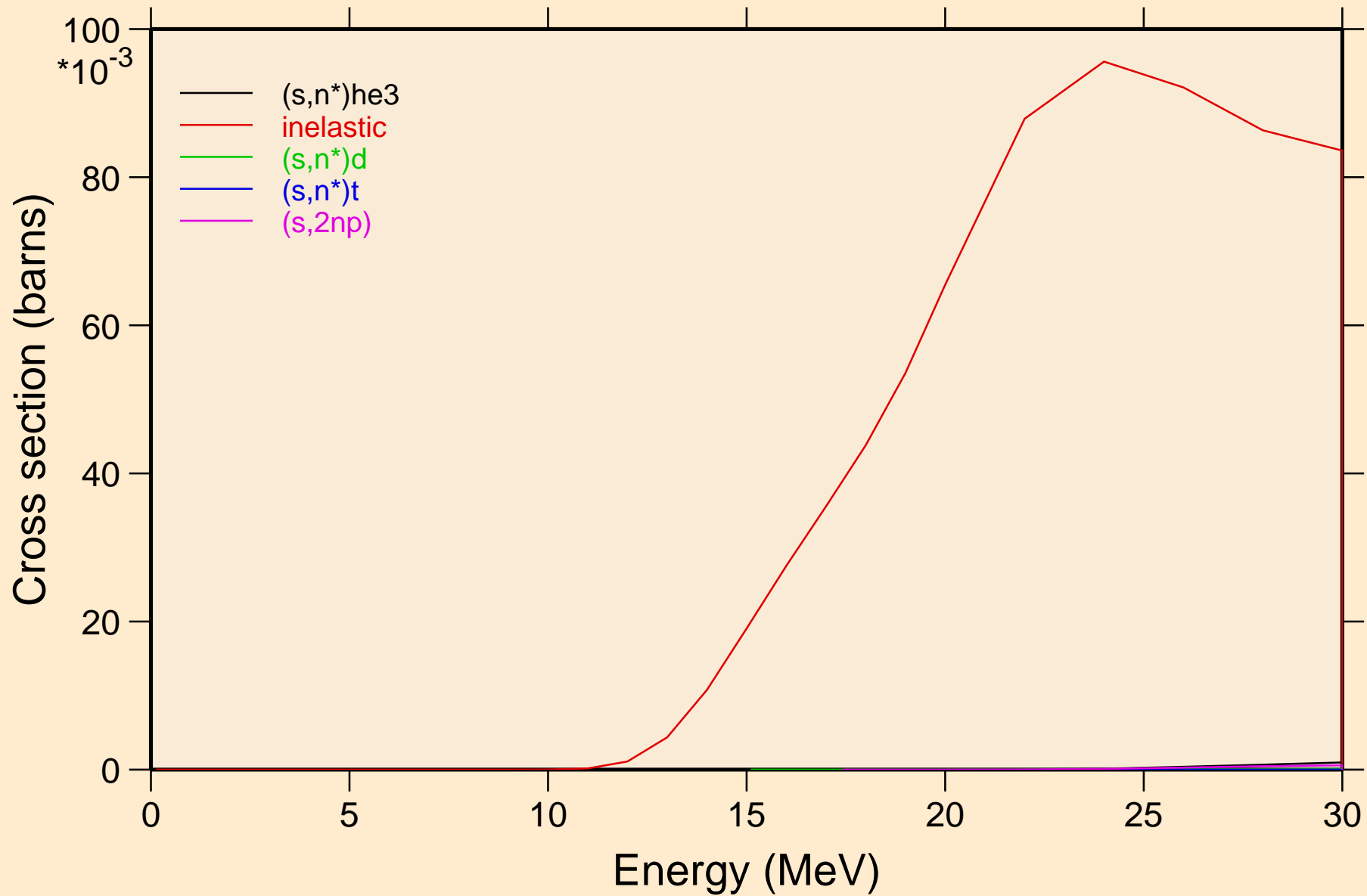
Threshold reactions



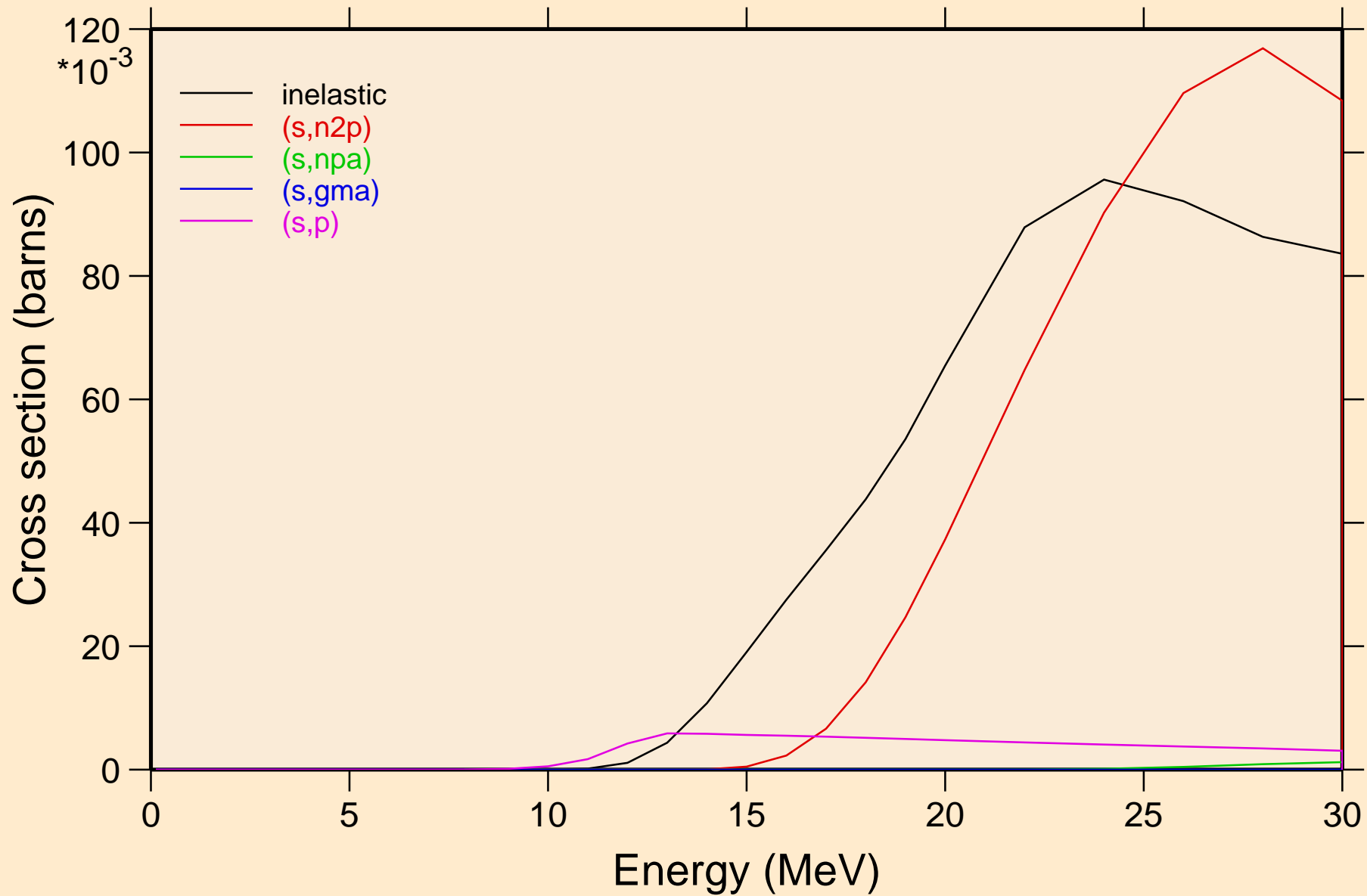
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



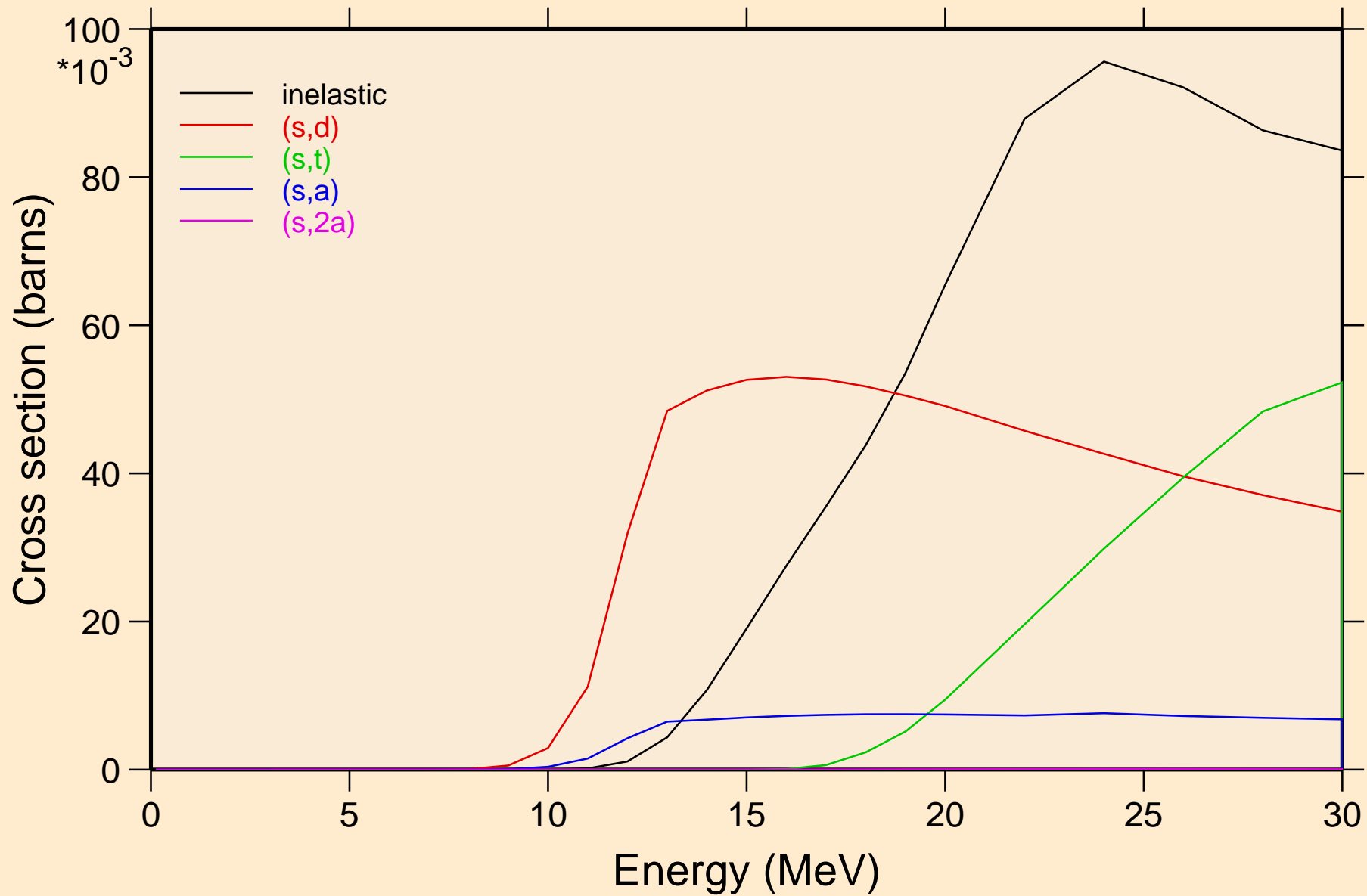
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



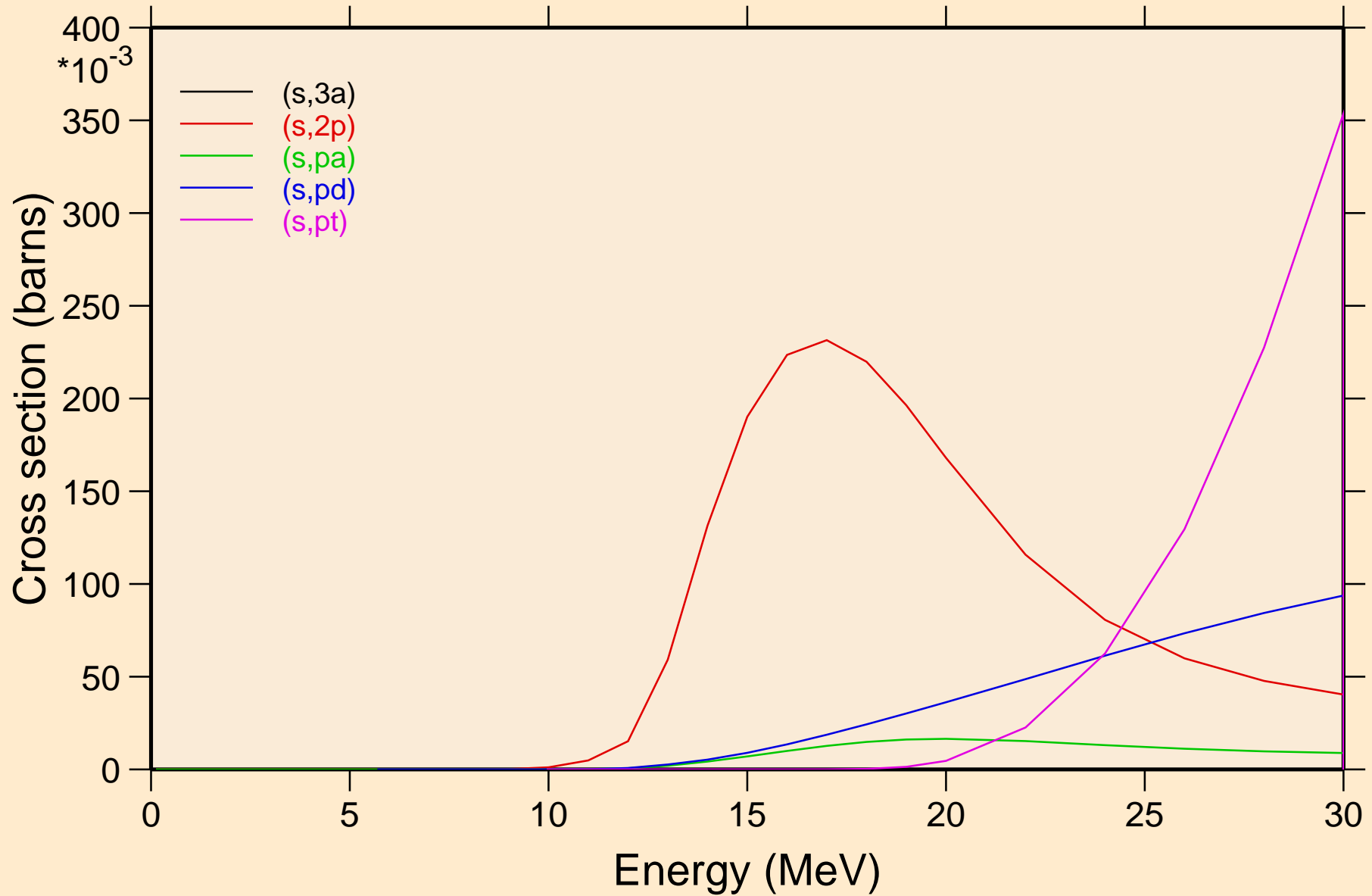
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



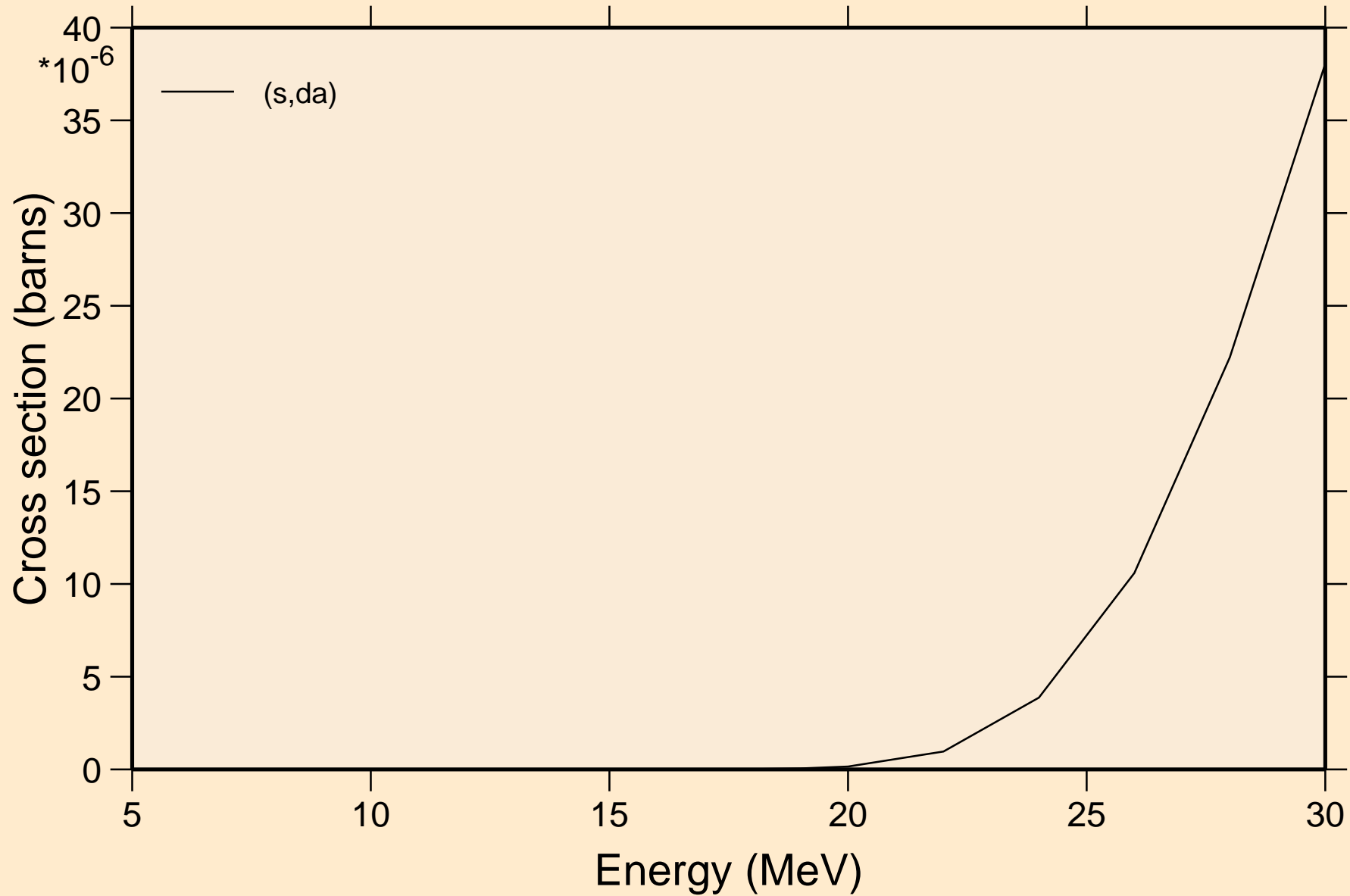
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



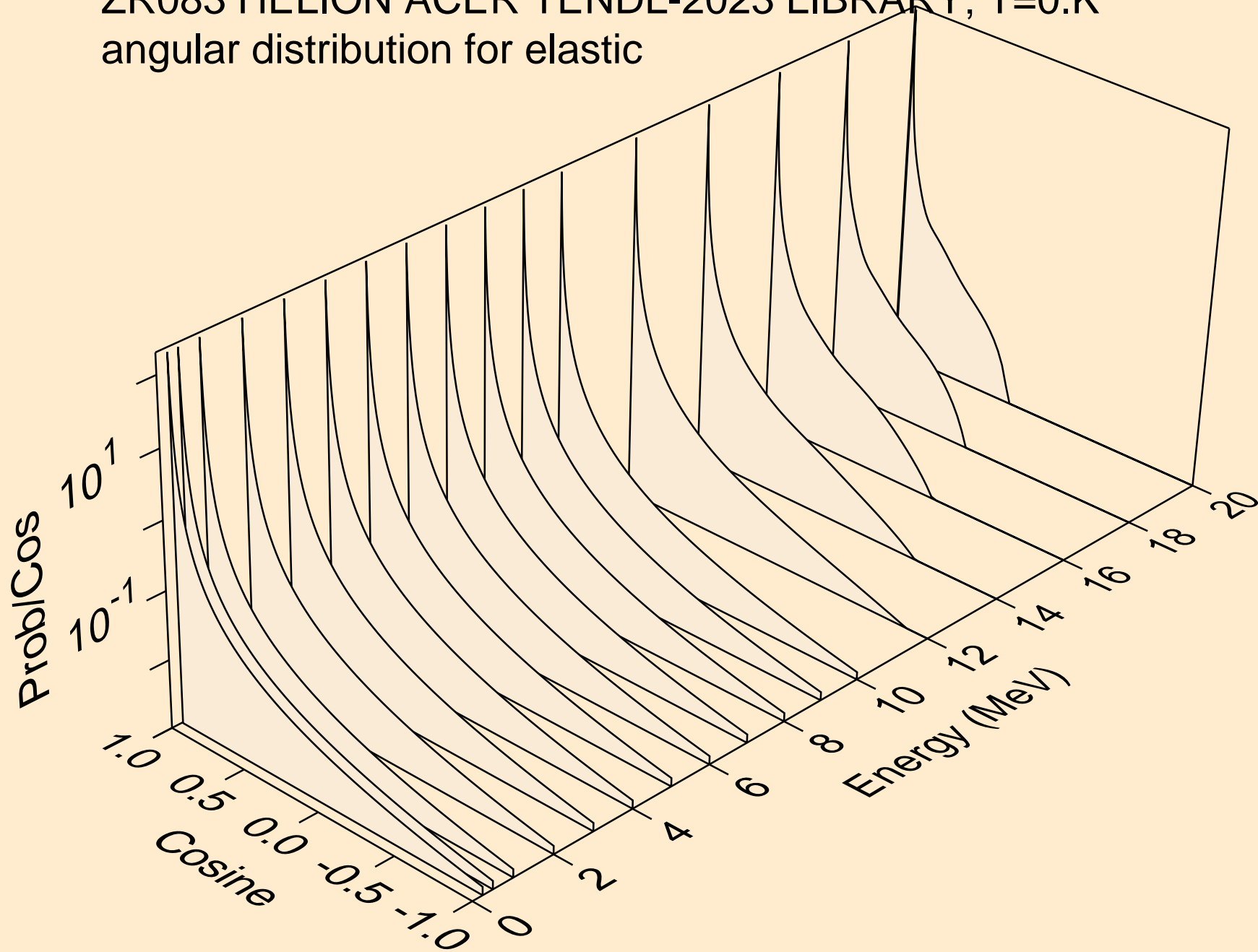
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



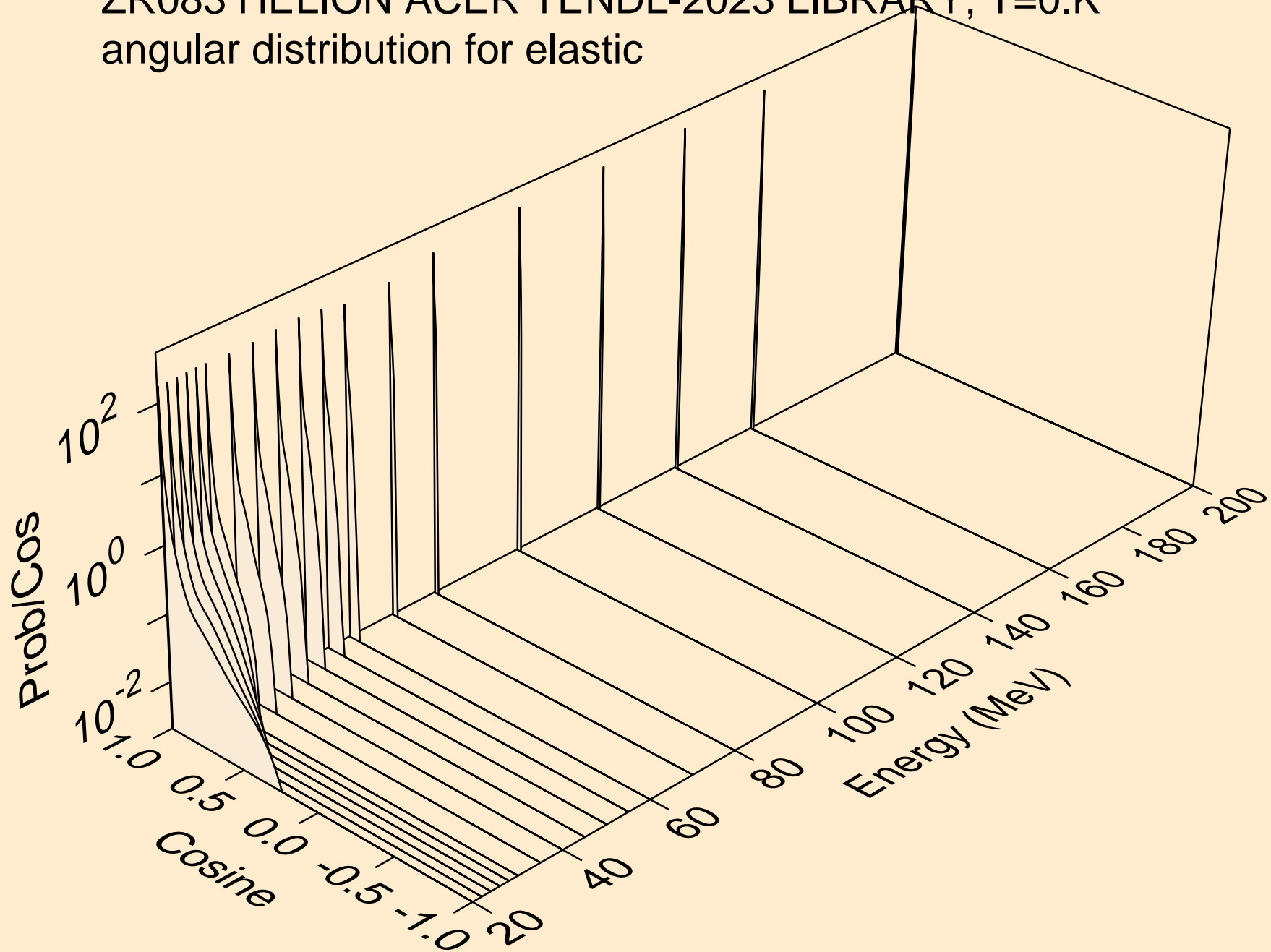
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



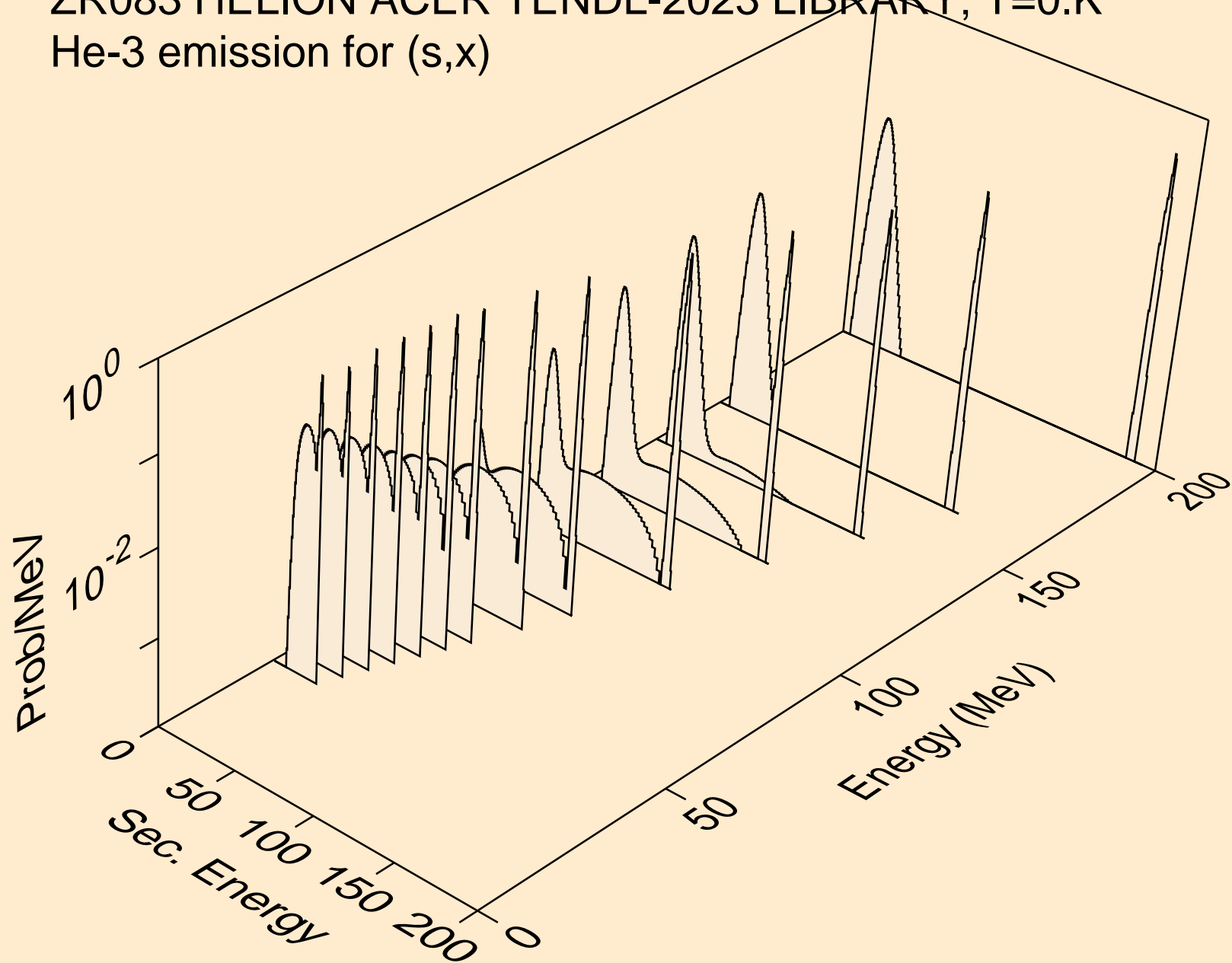
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



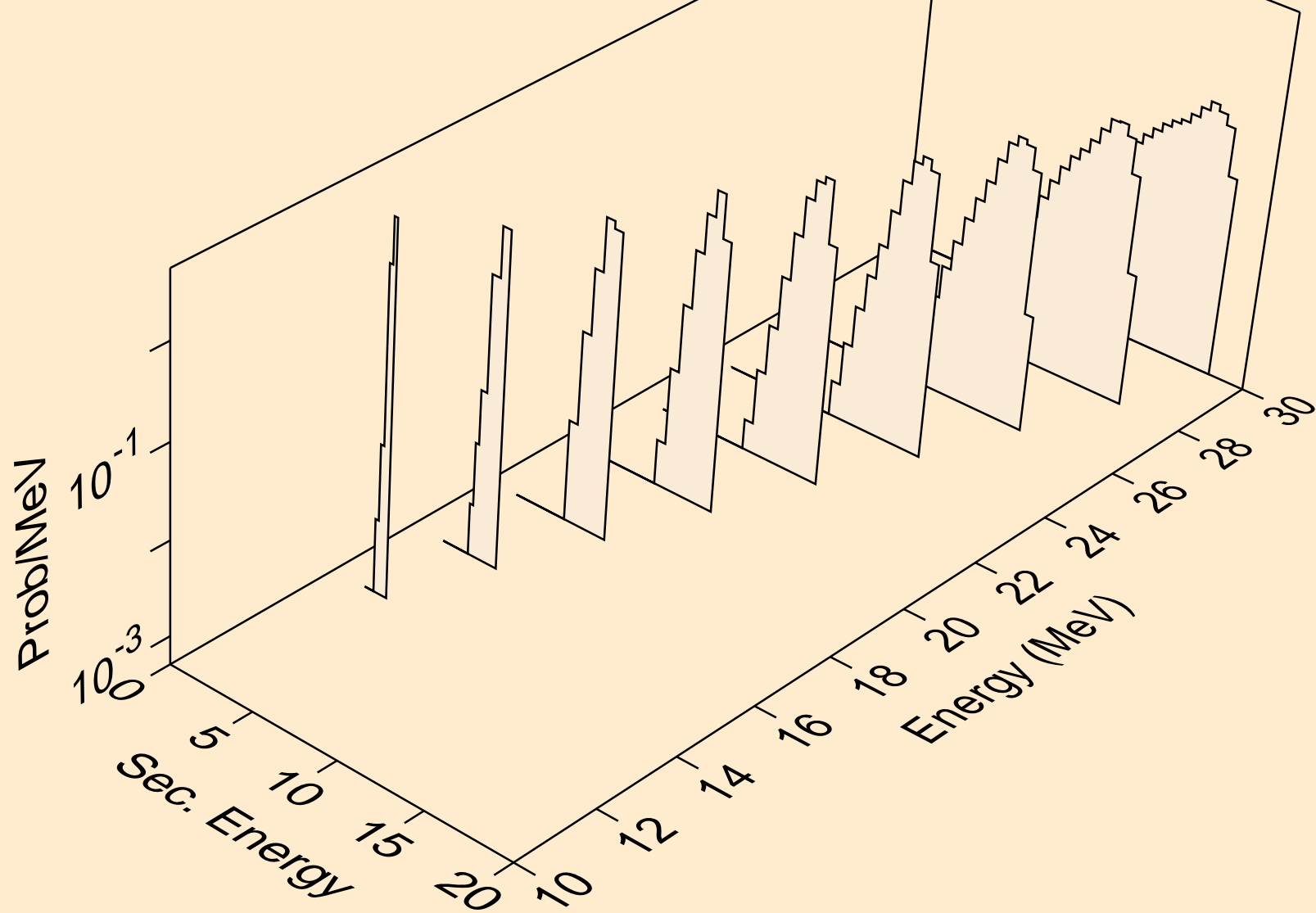
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



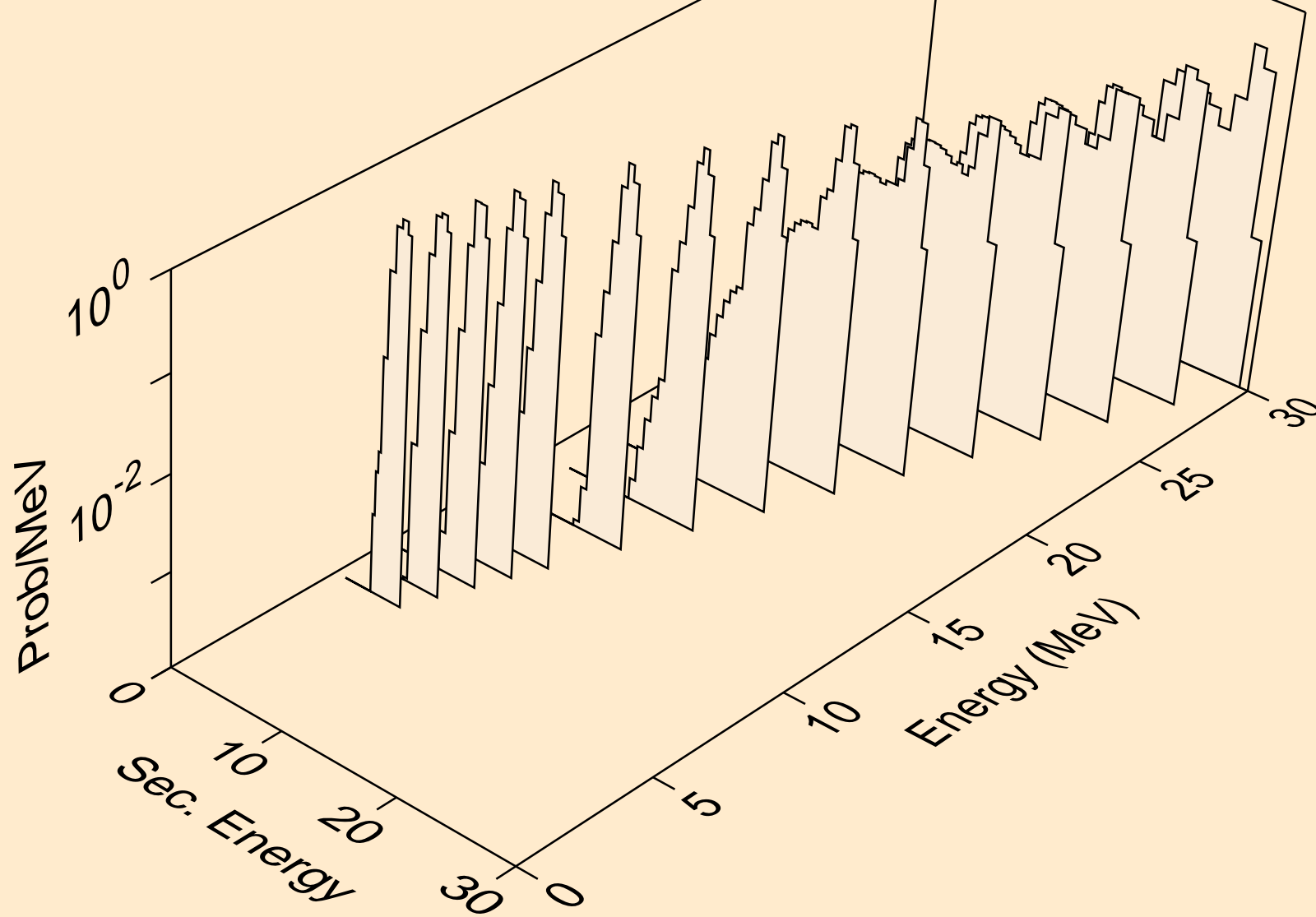
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,x)



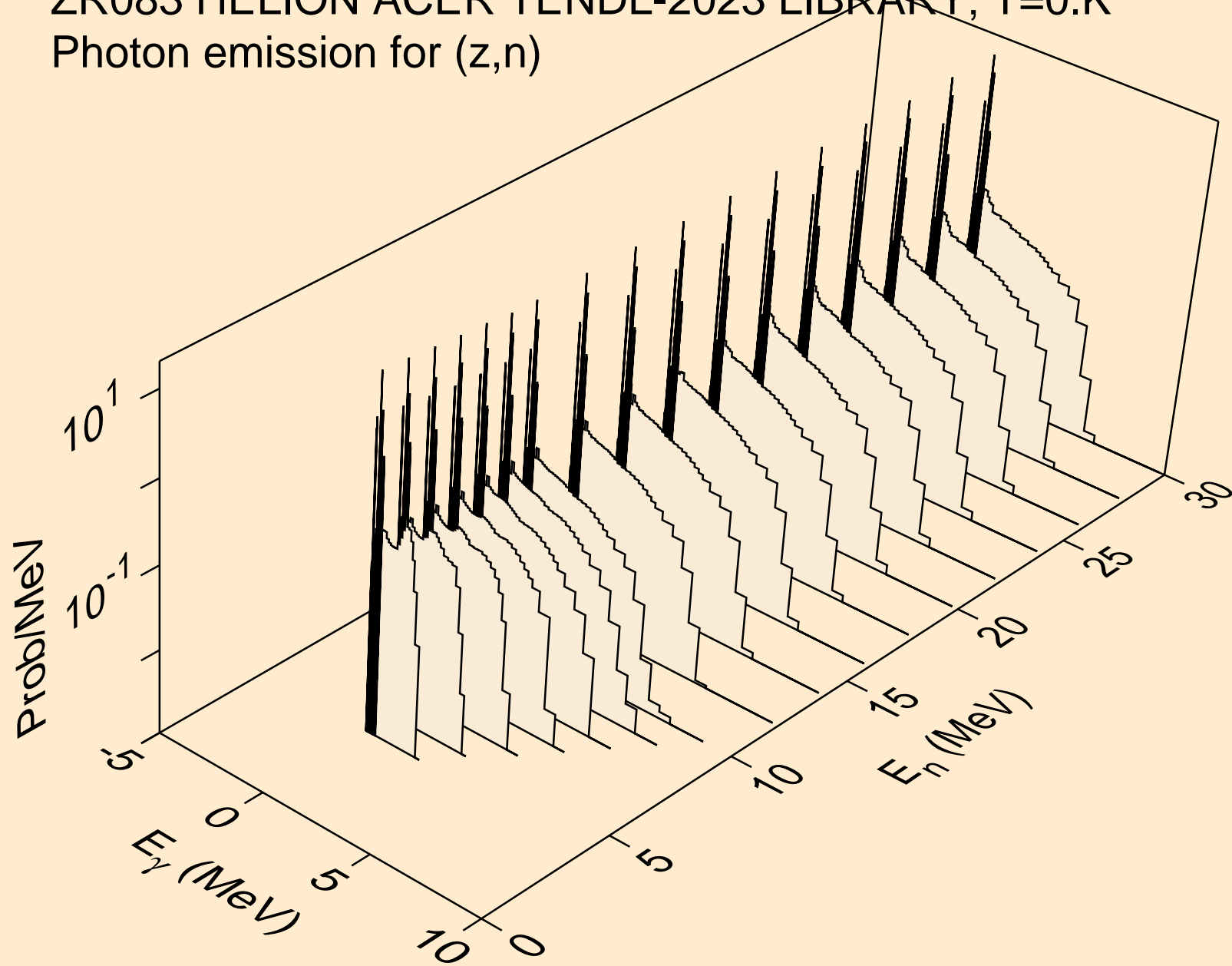
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



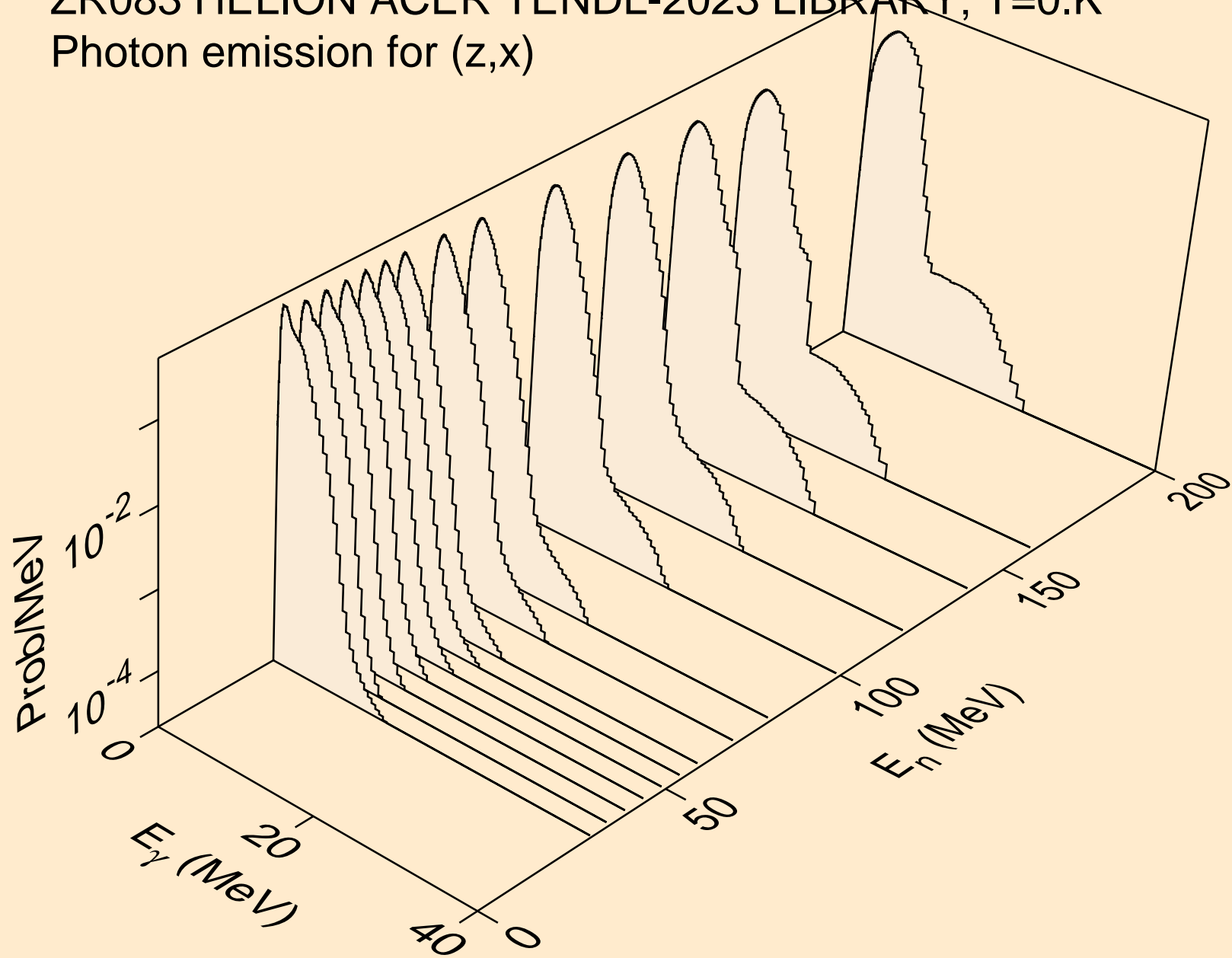
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for inelastic



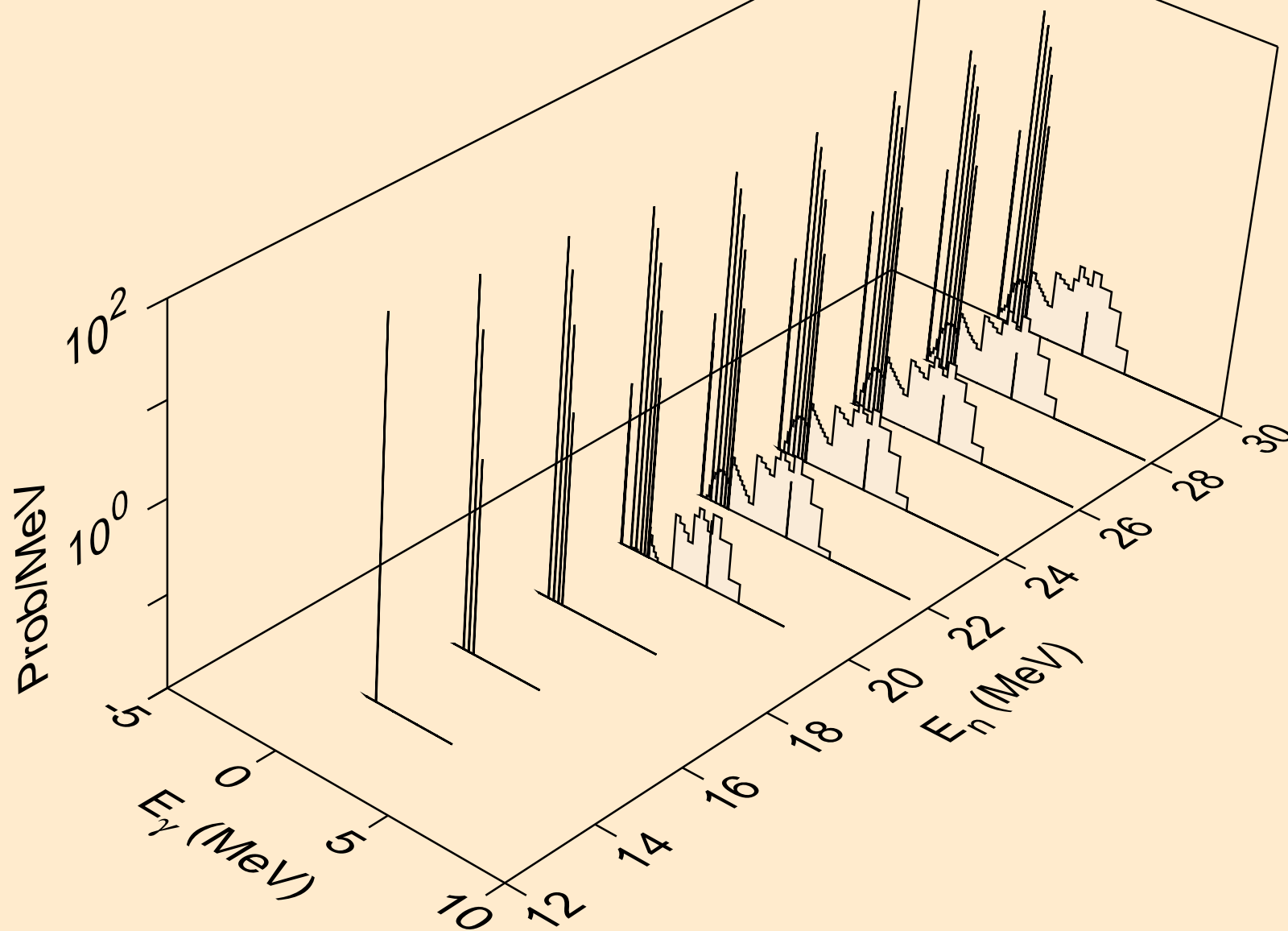
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)



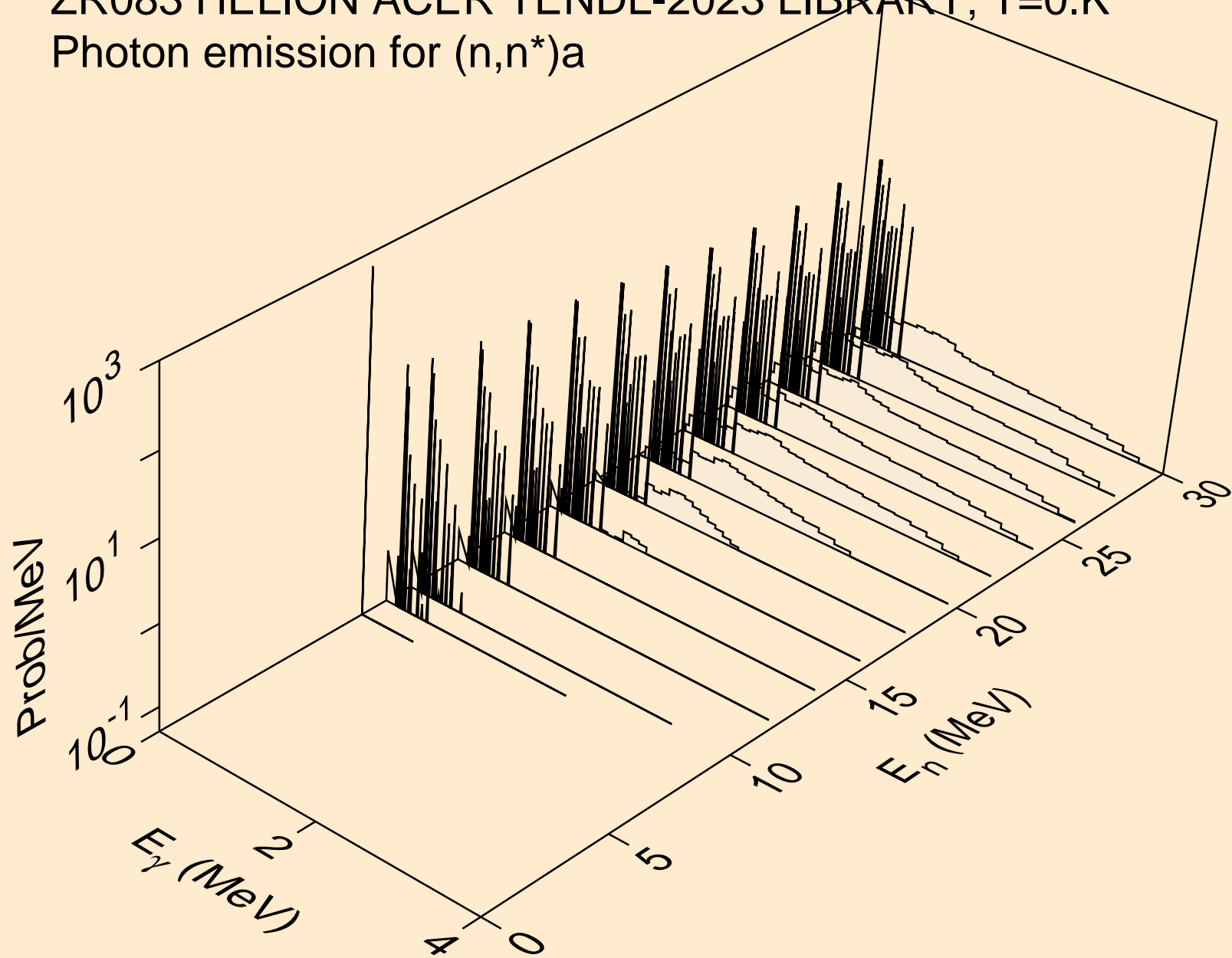
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)



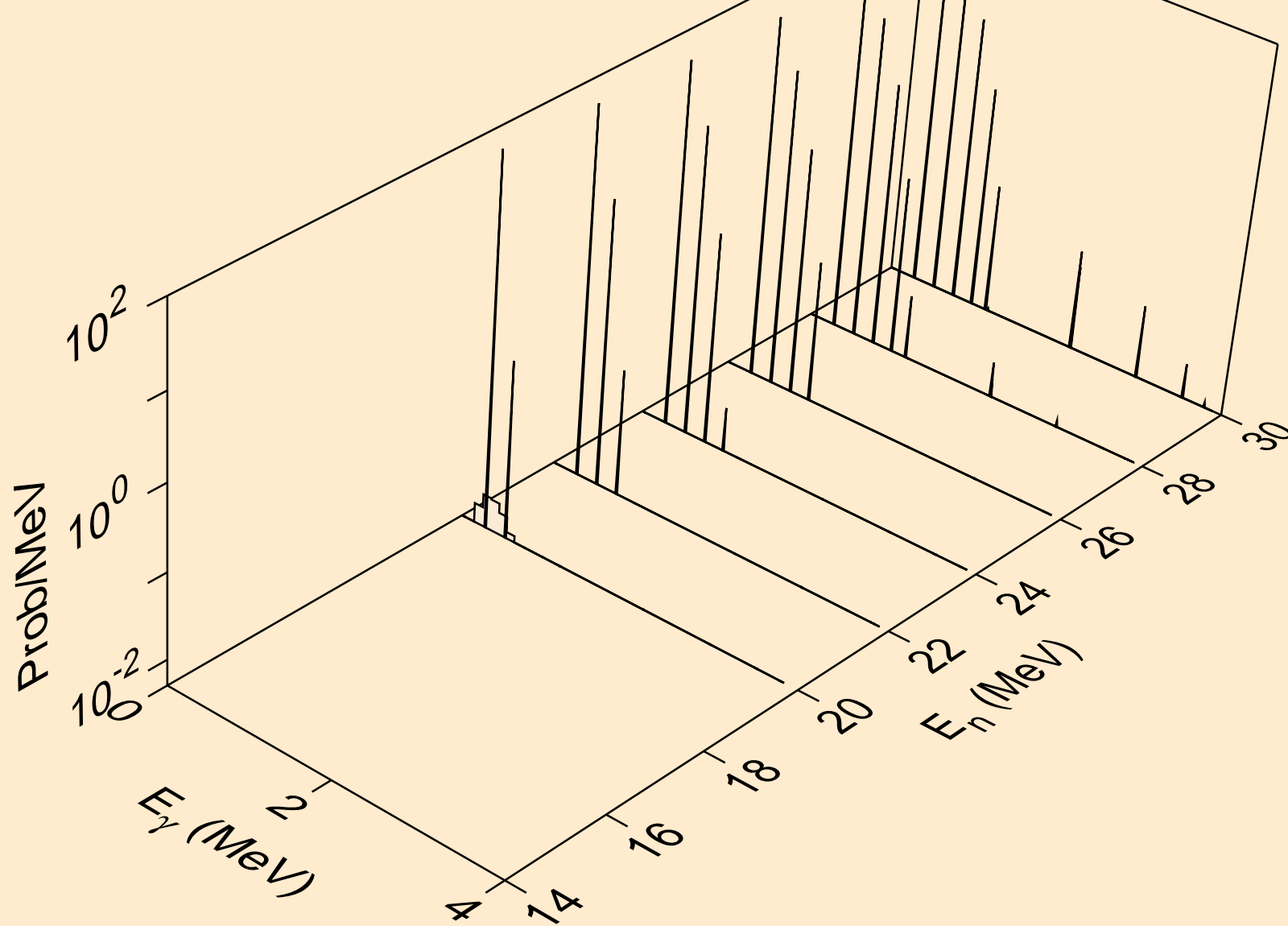
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



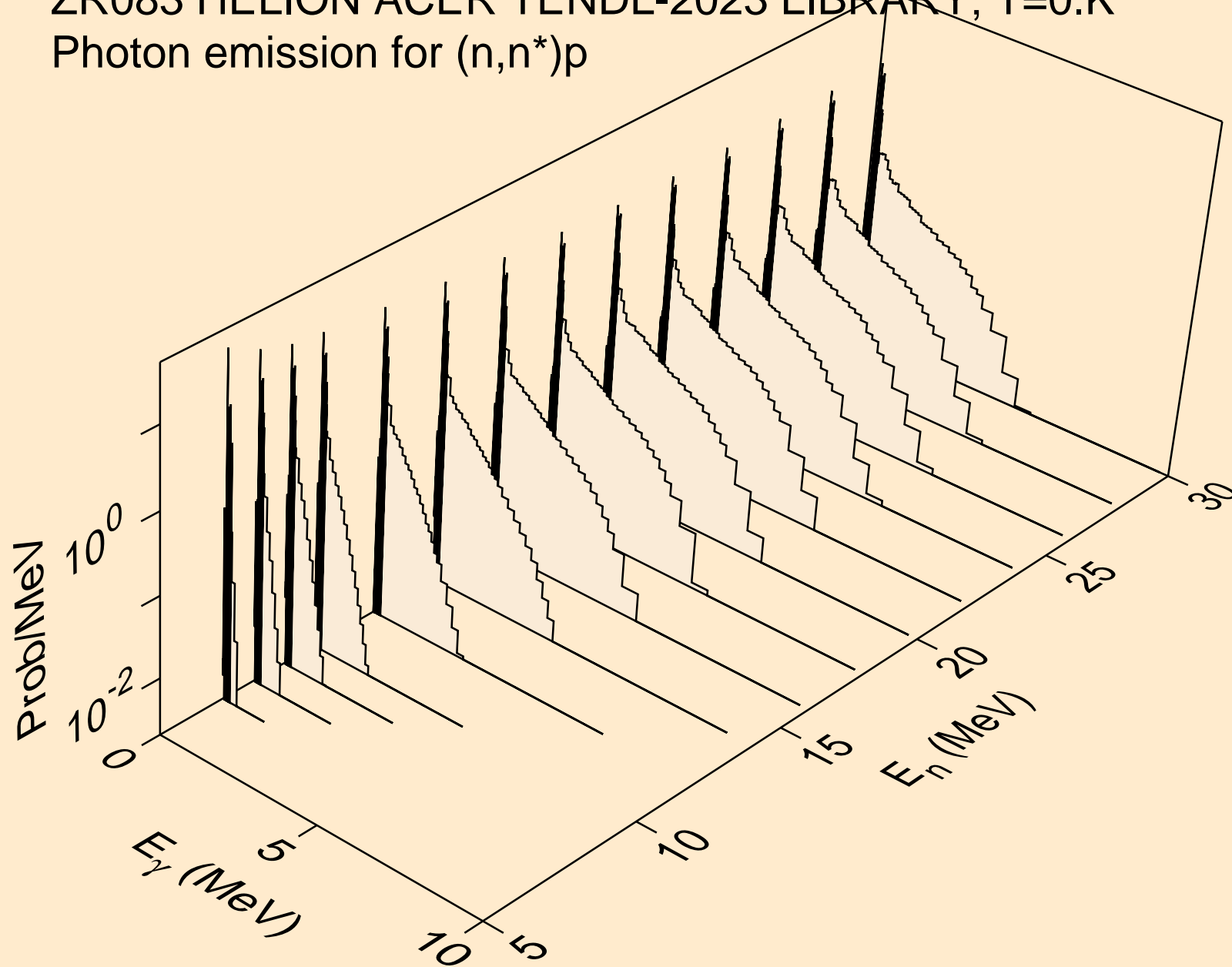
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



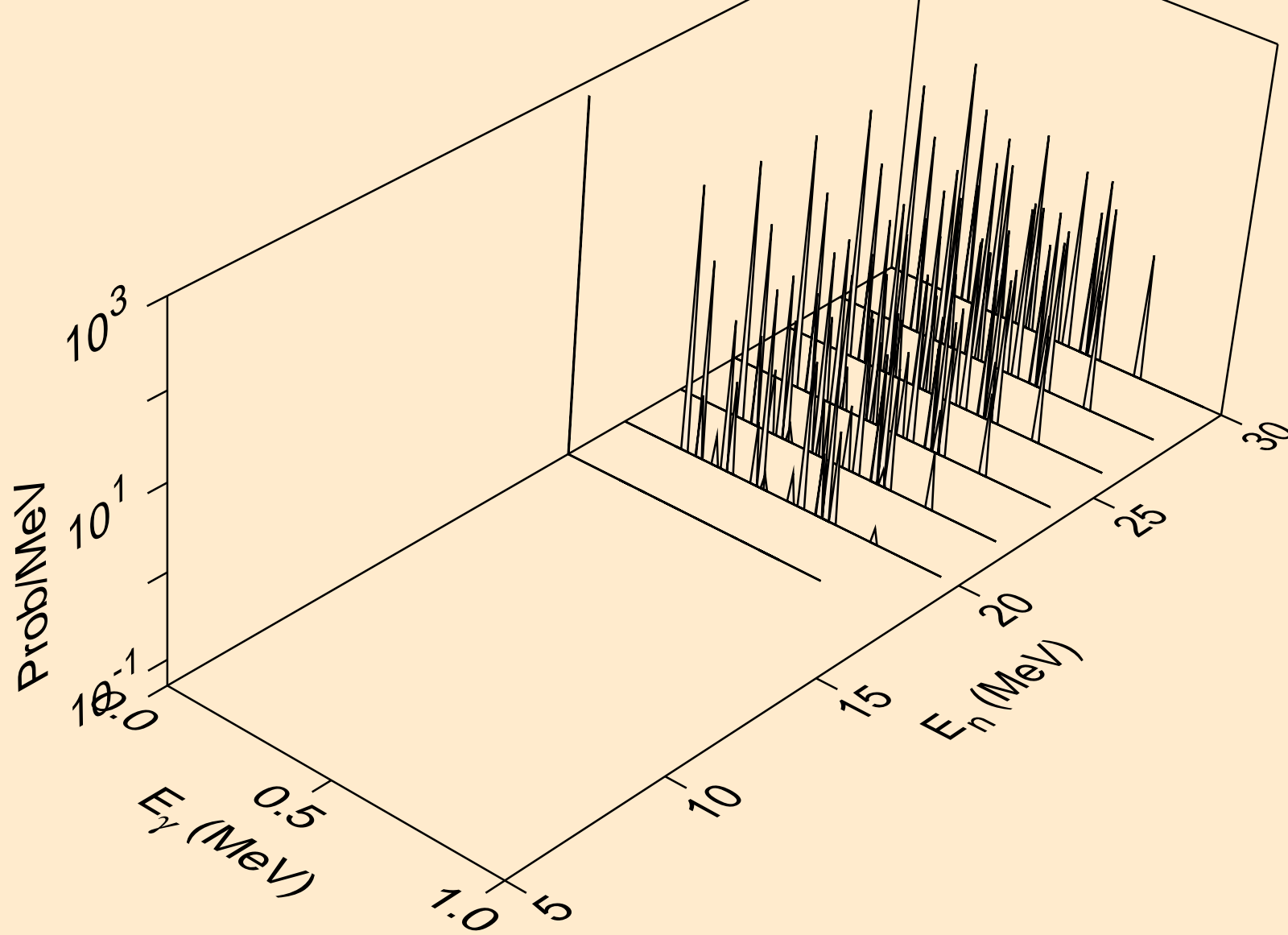
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



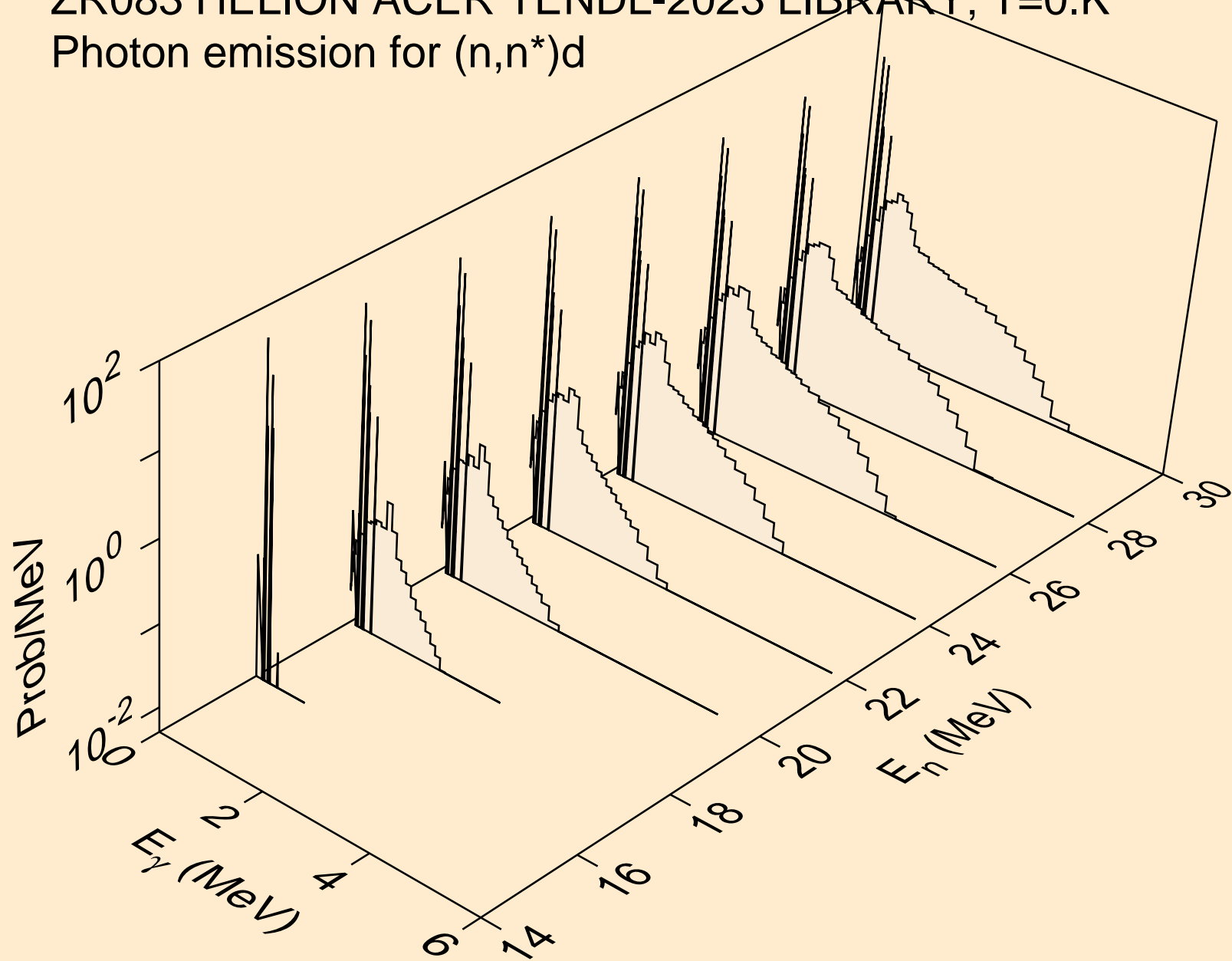
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



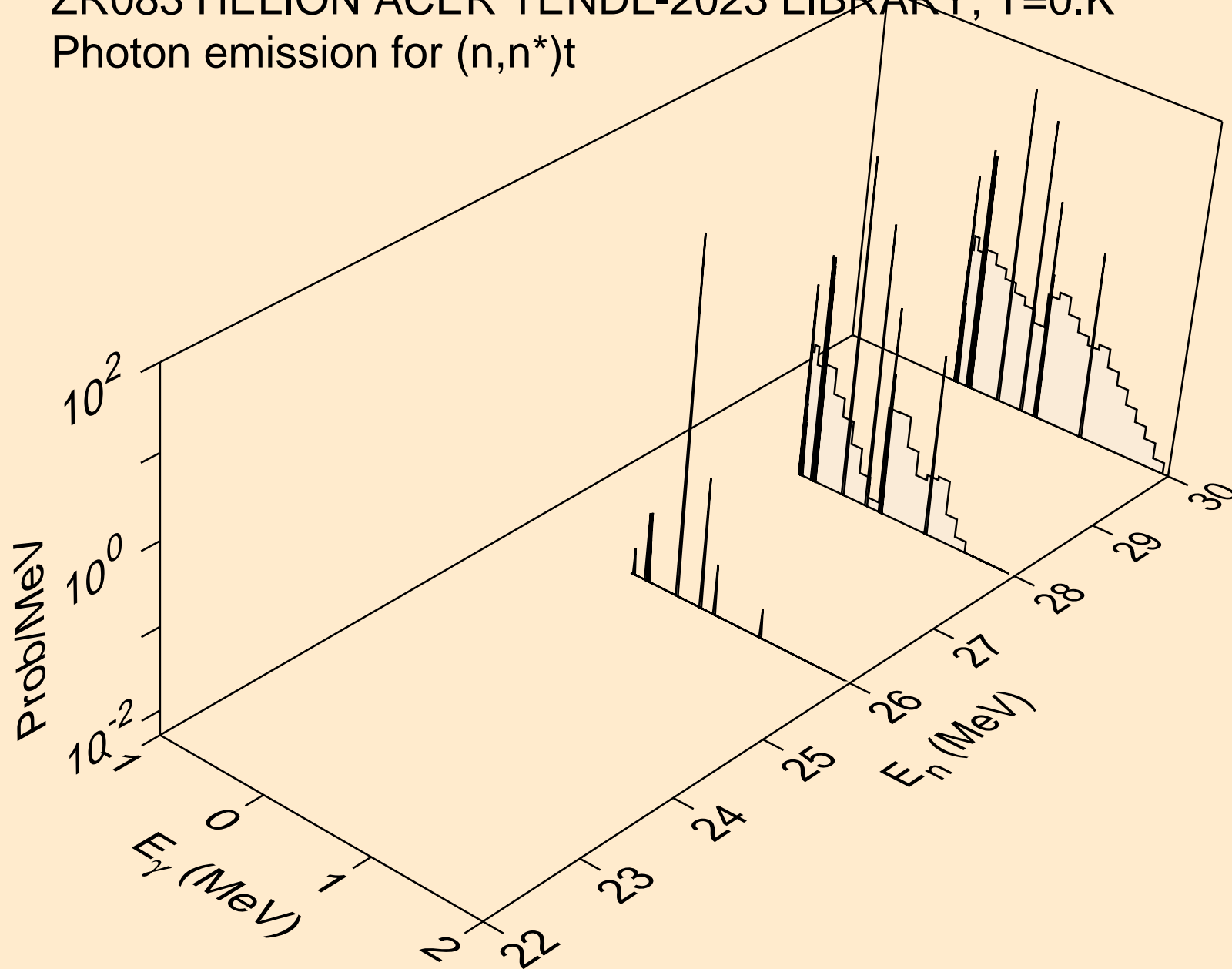
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



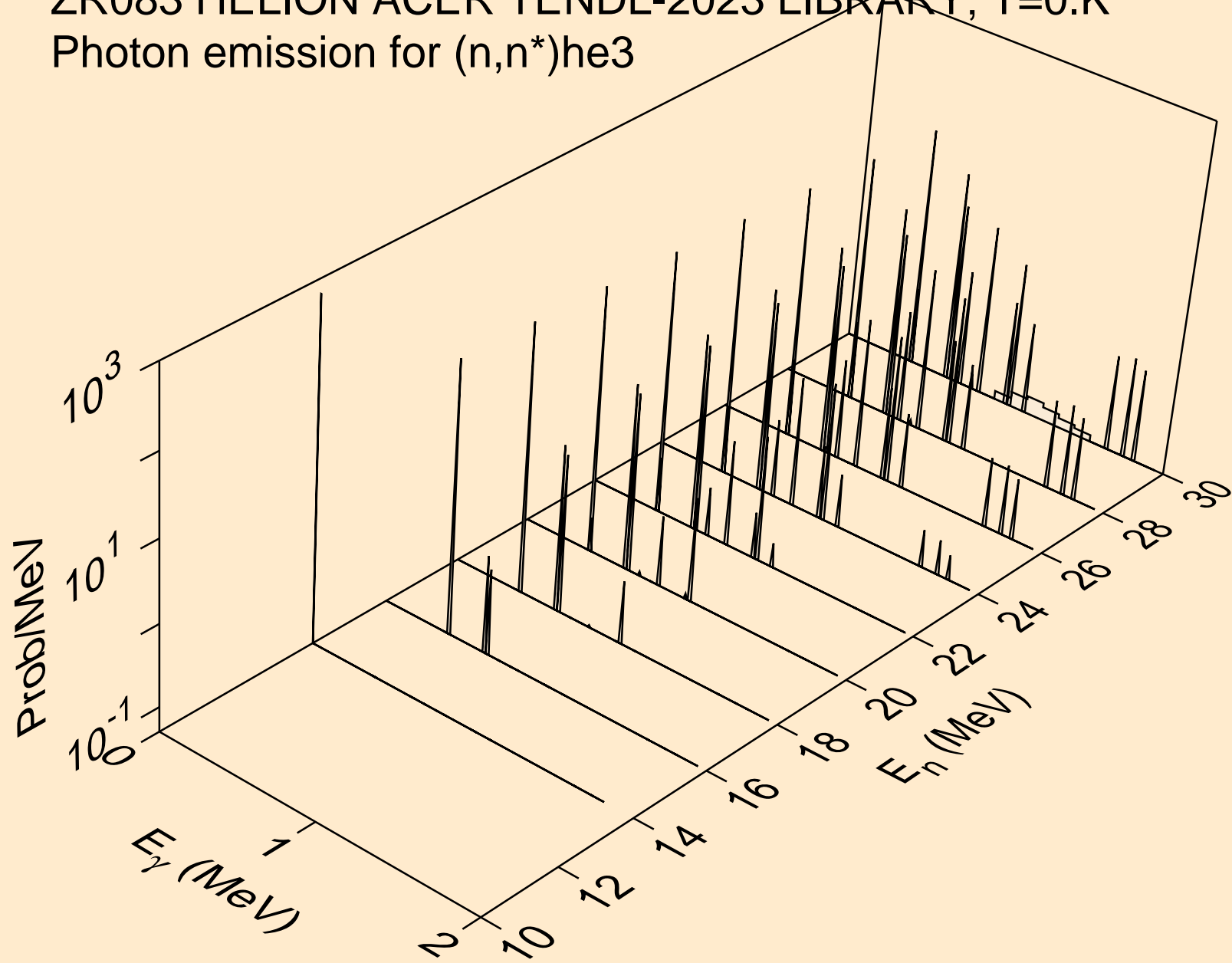
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



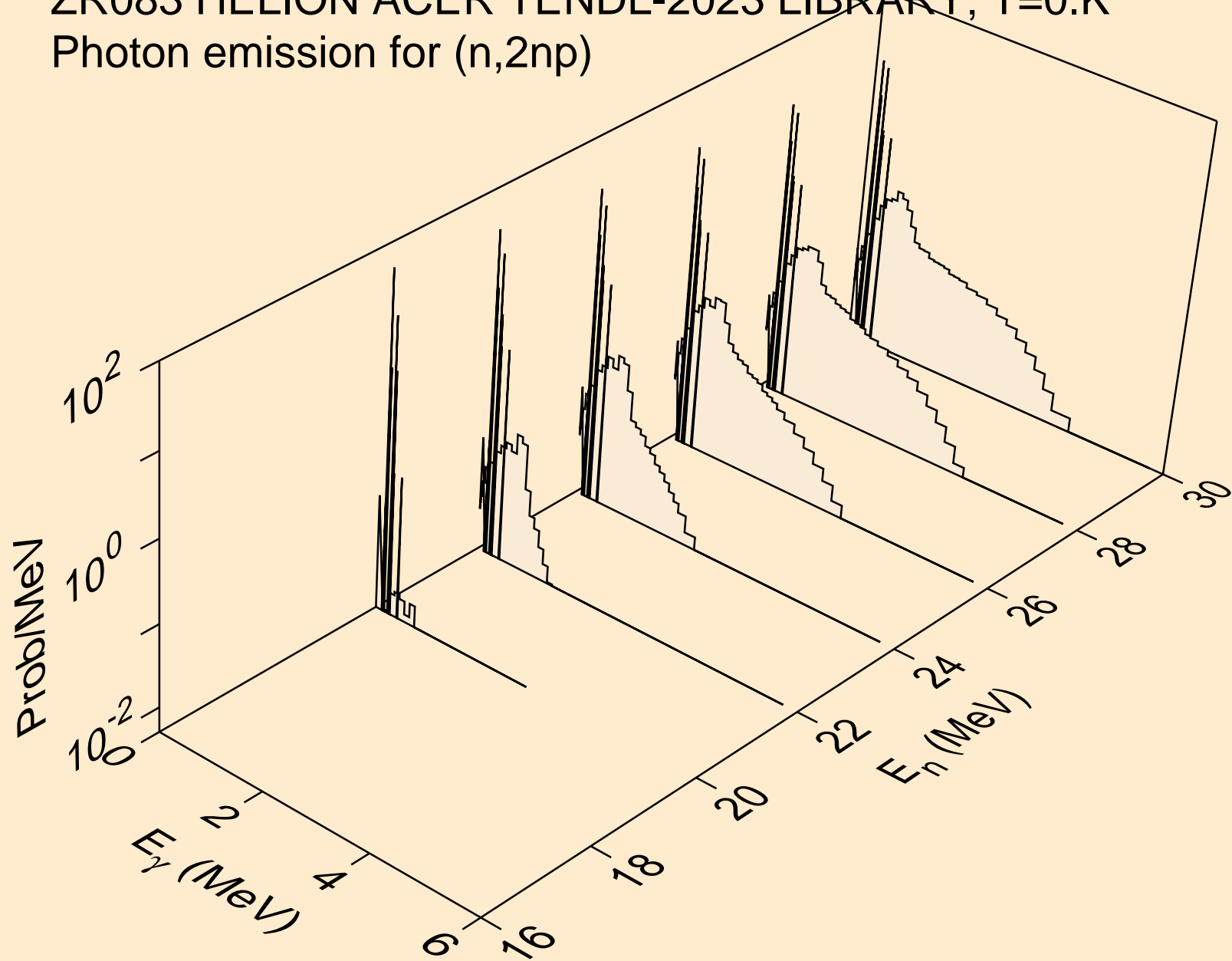
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



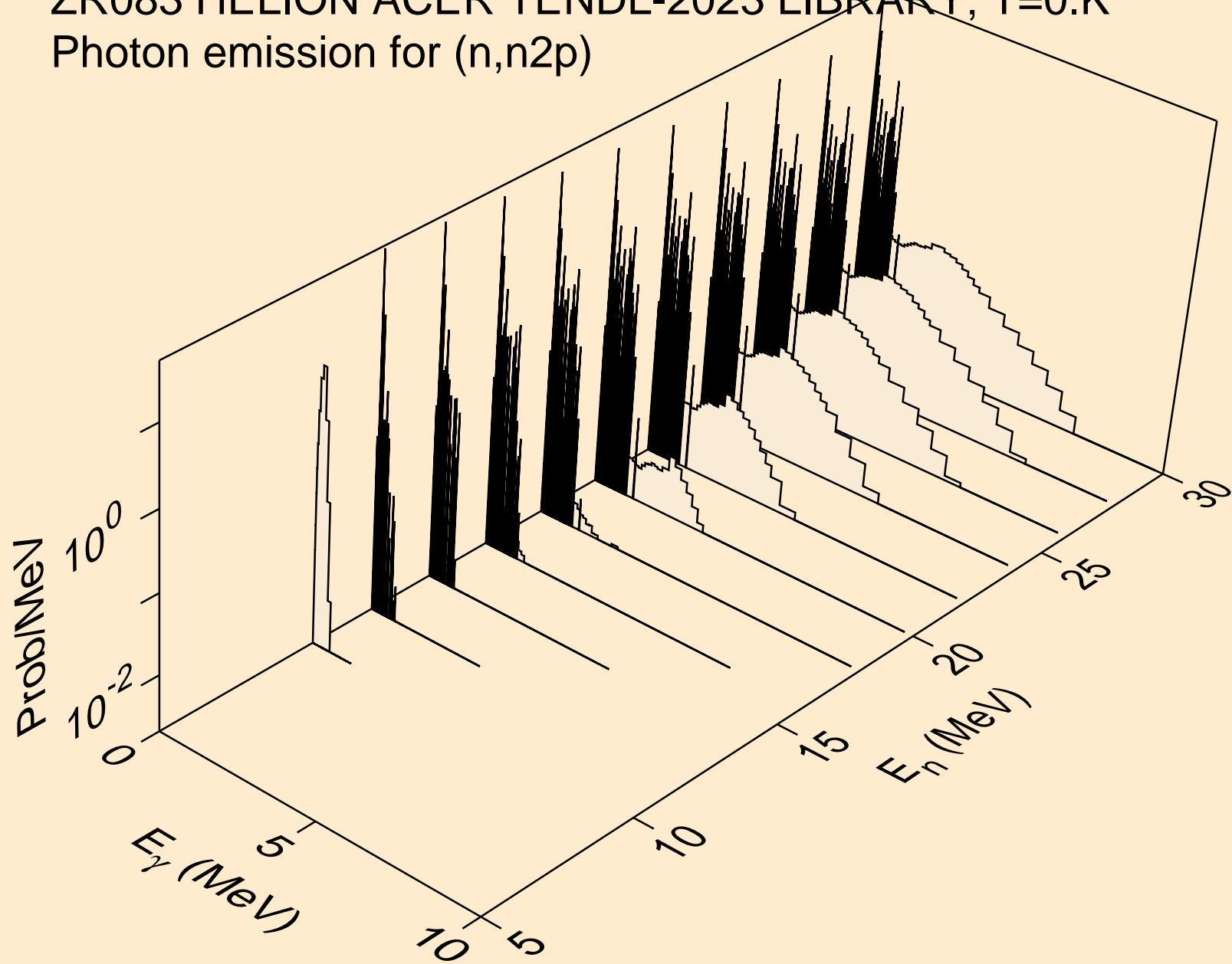
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



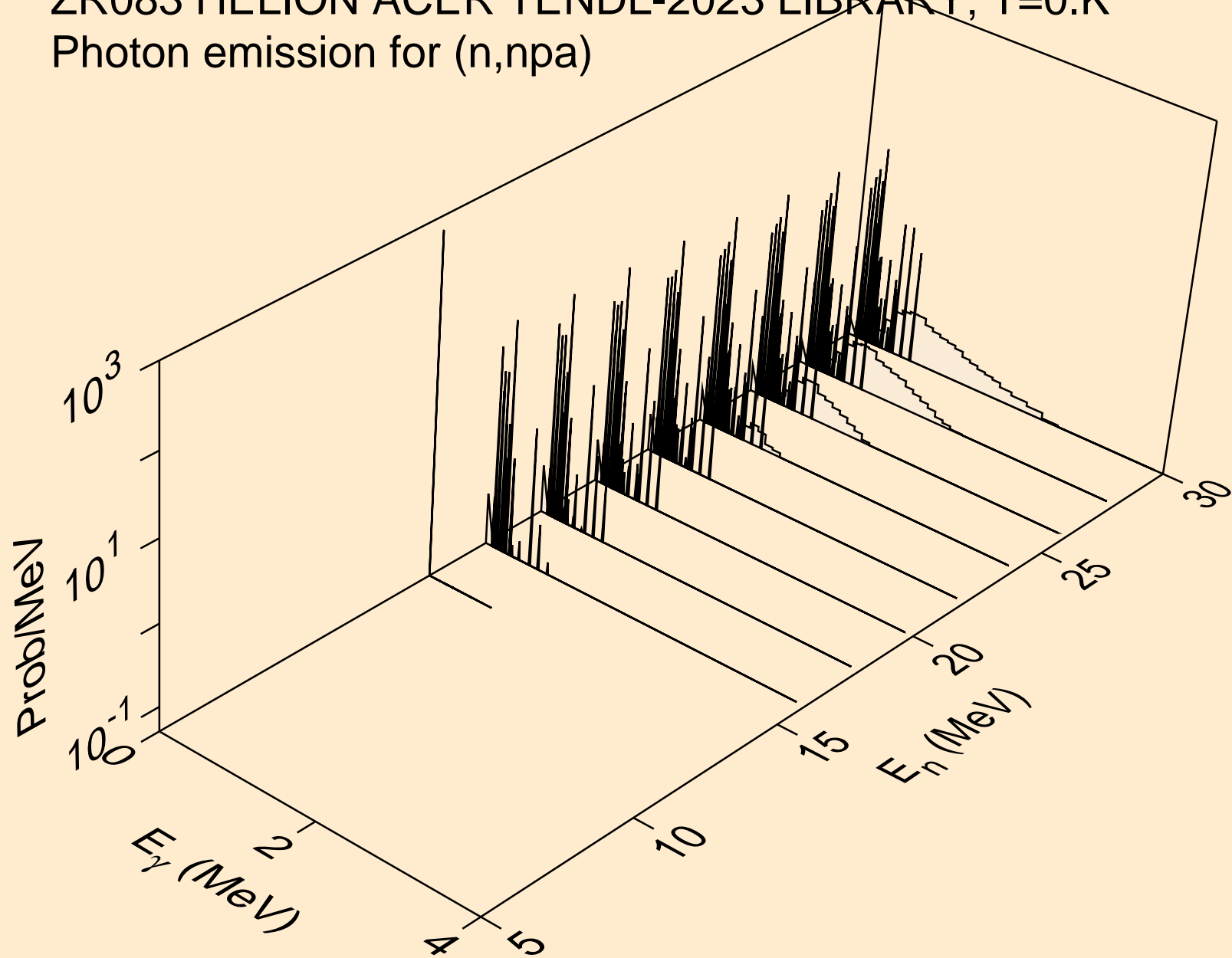
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



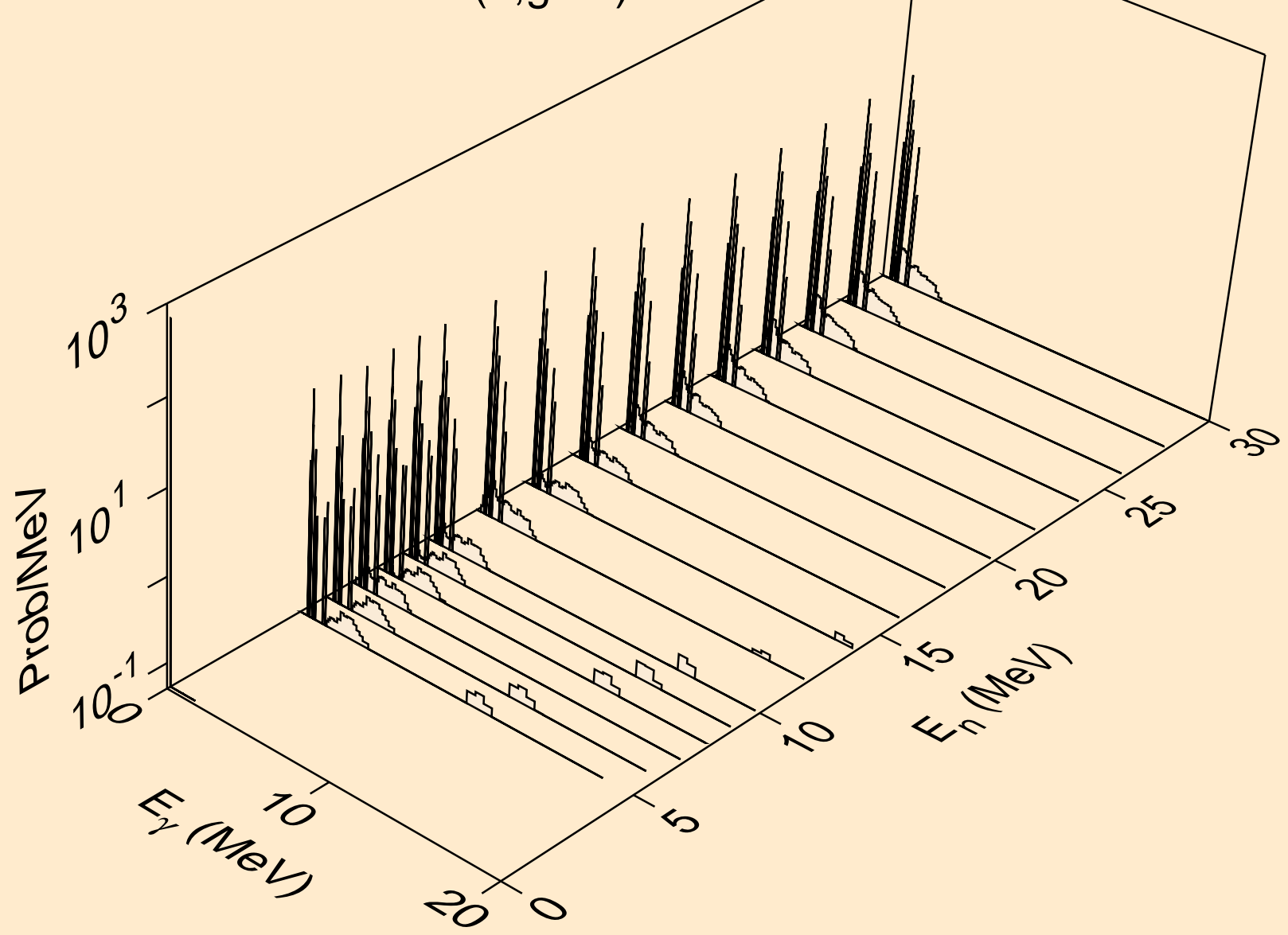
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



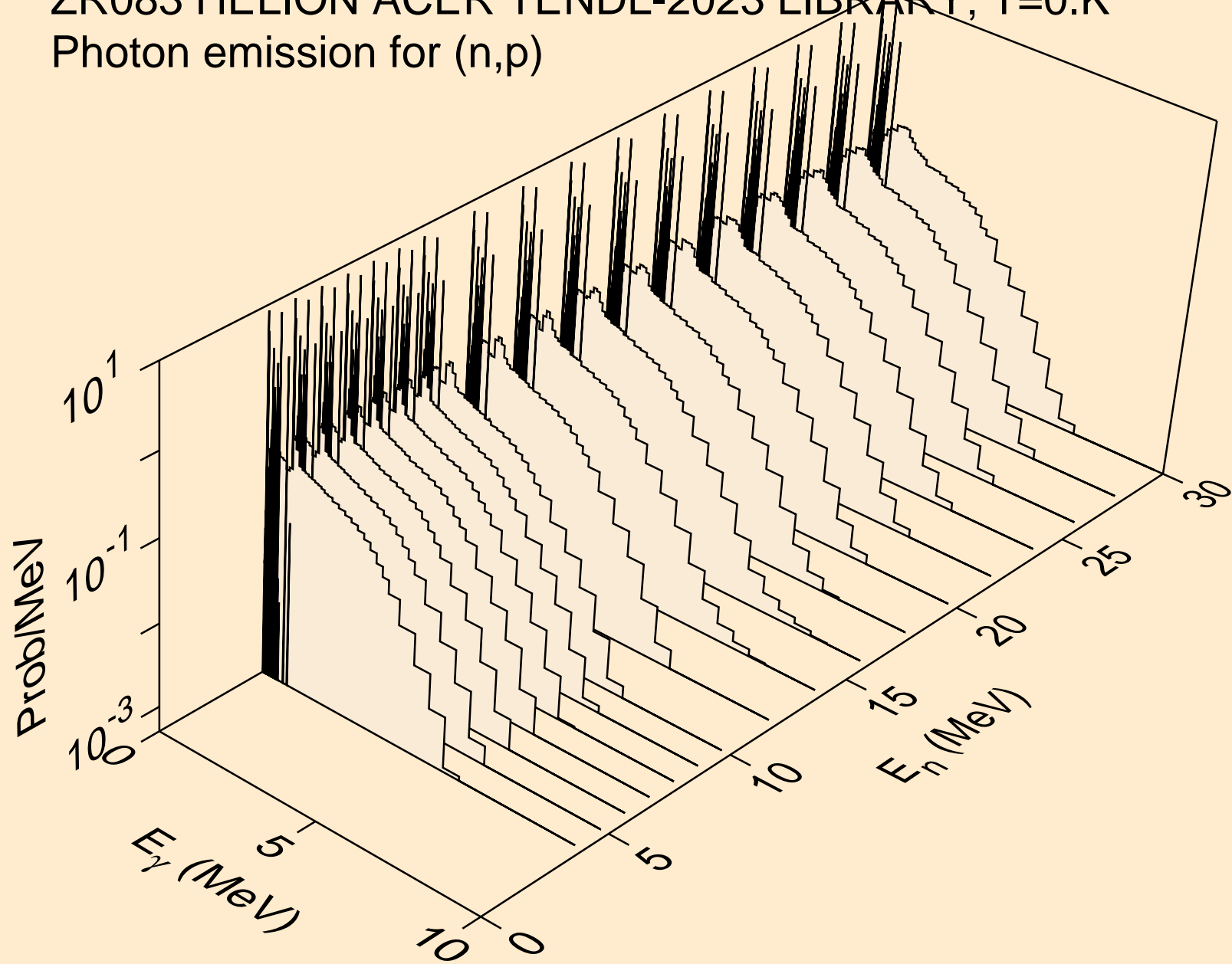
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



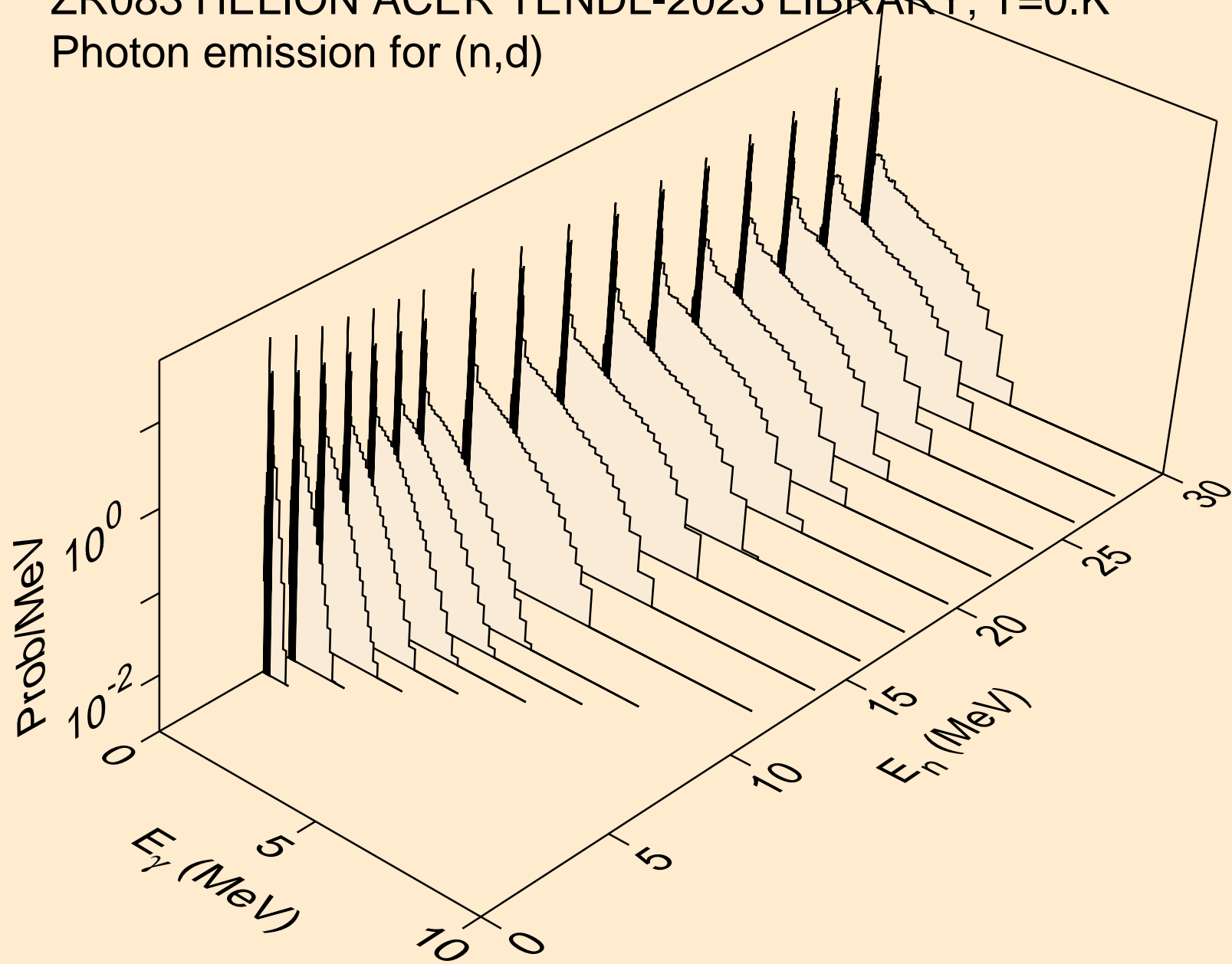
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



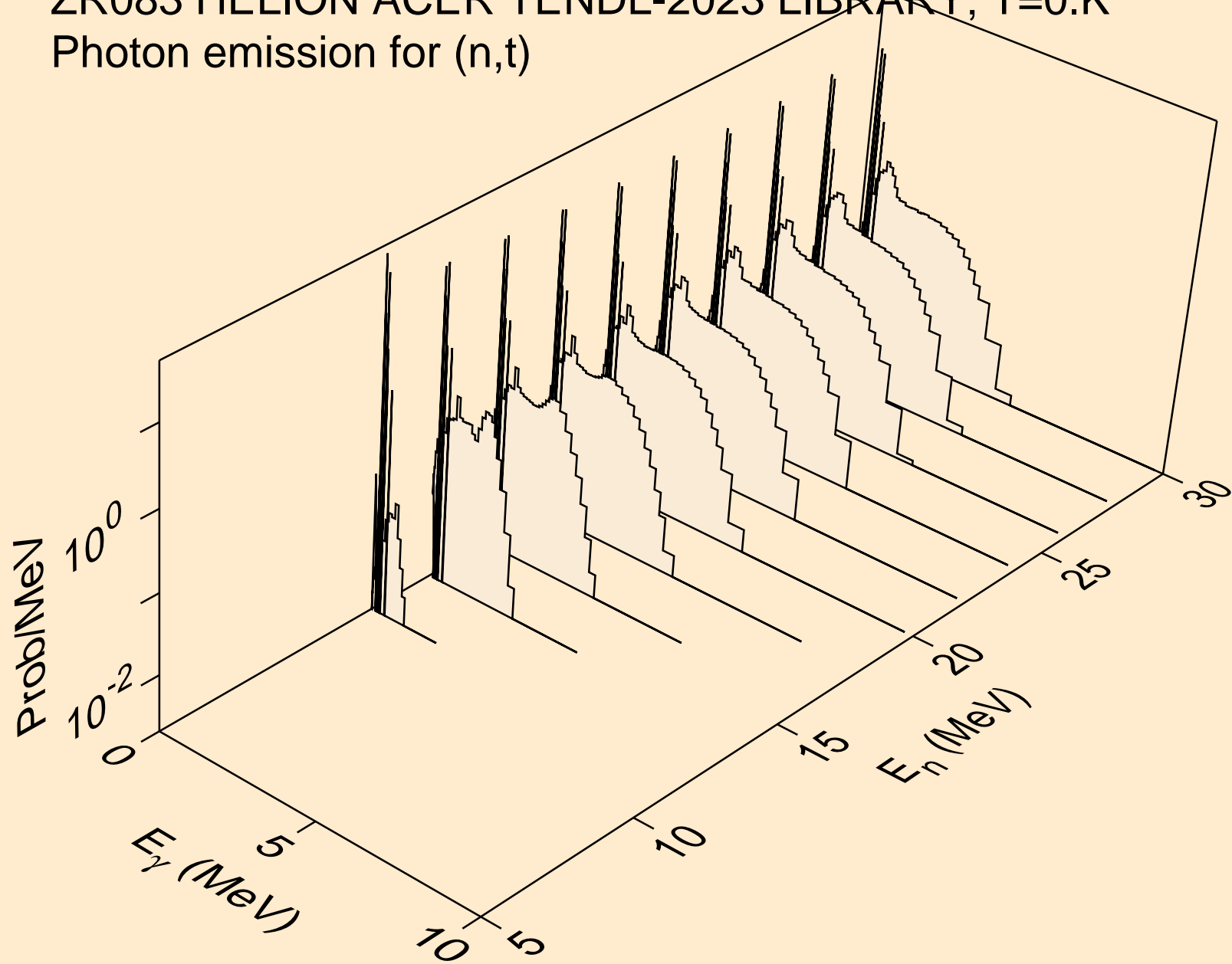
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



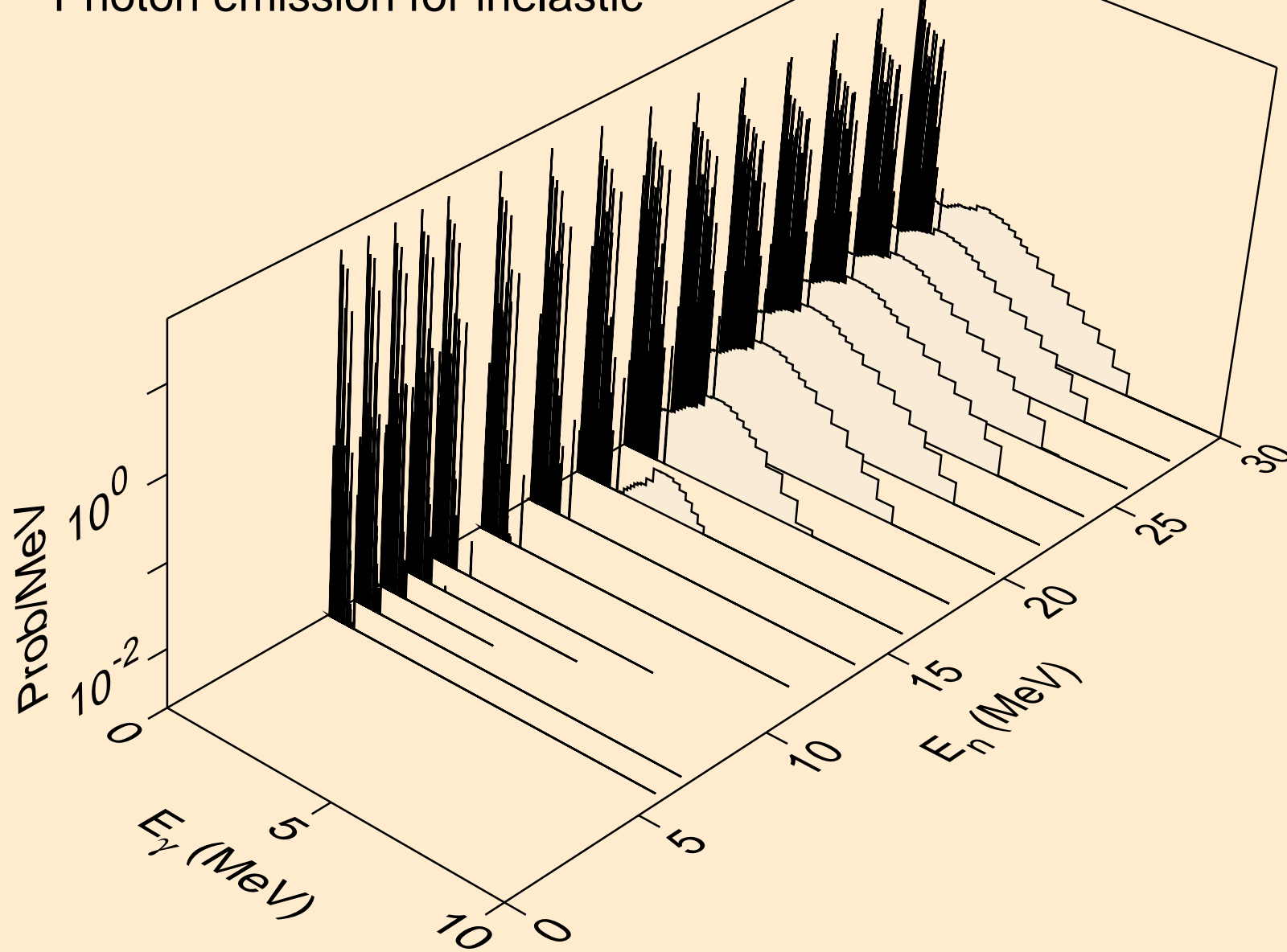
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



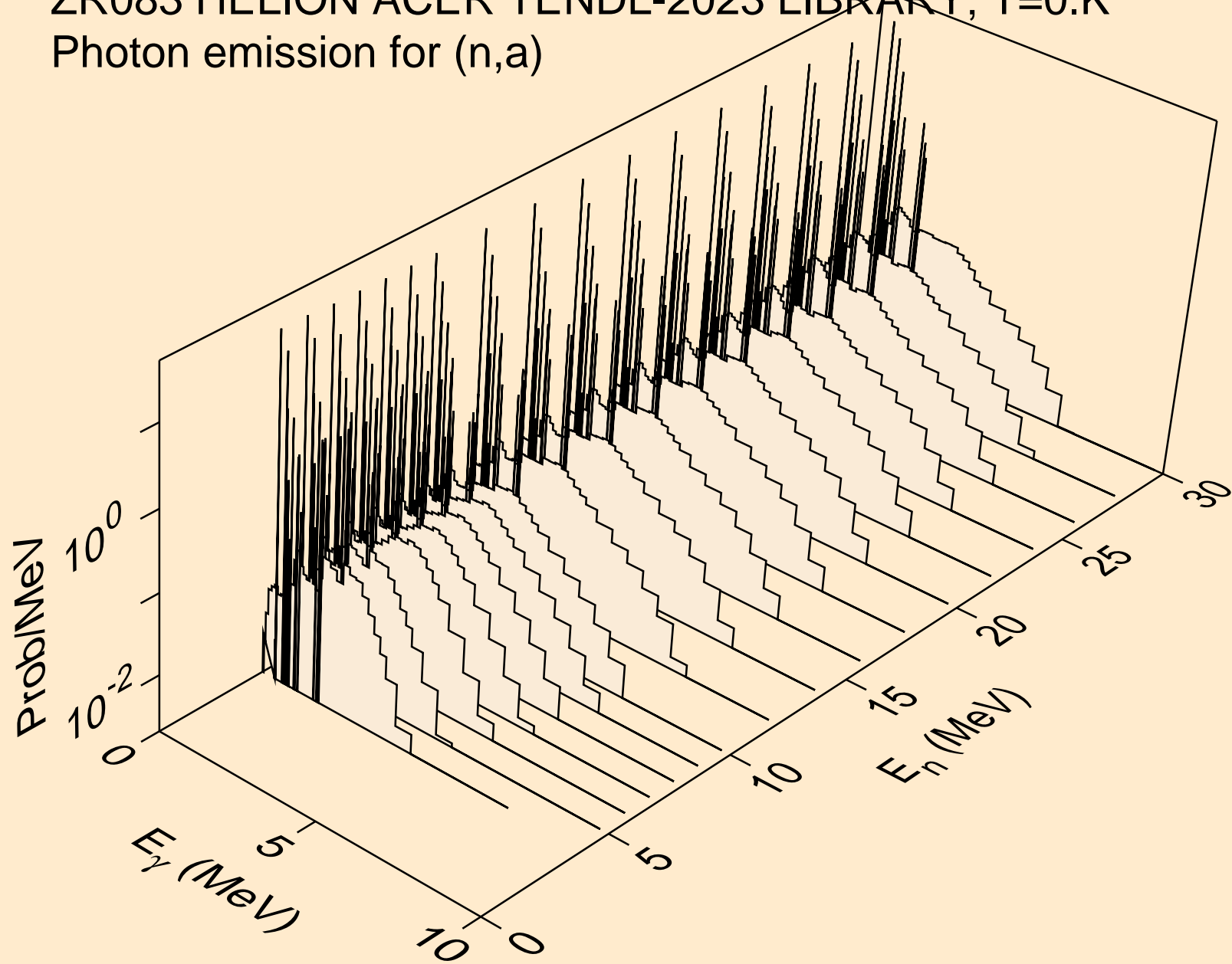
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



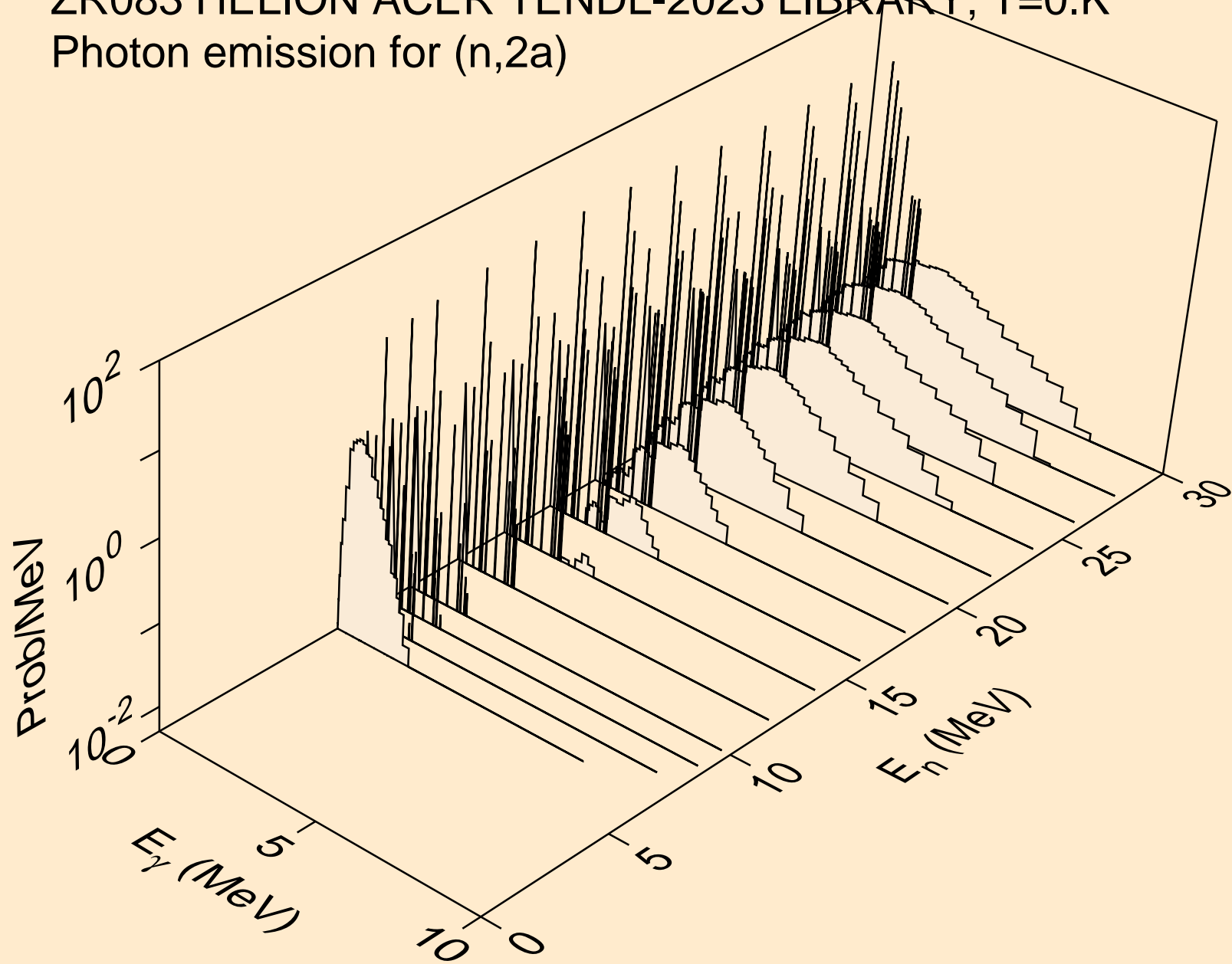
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



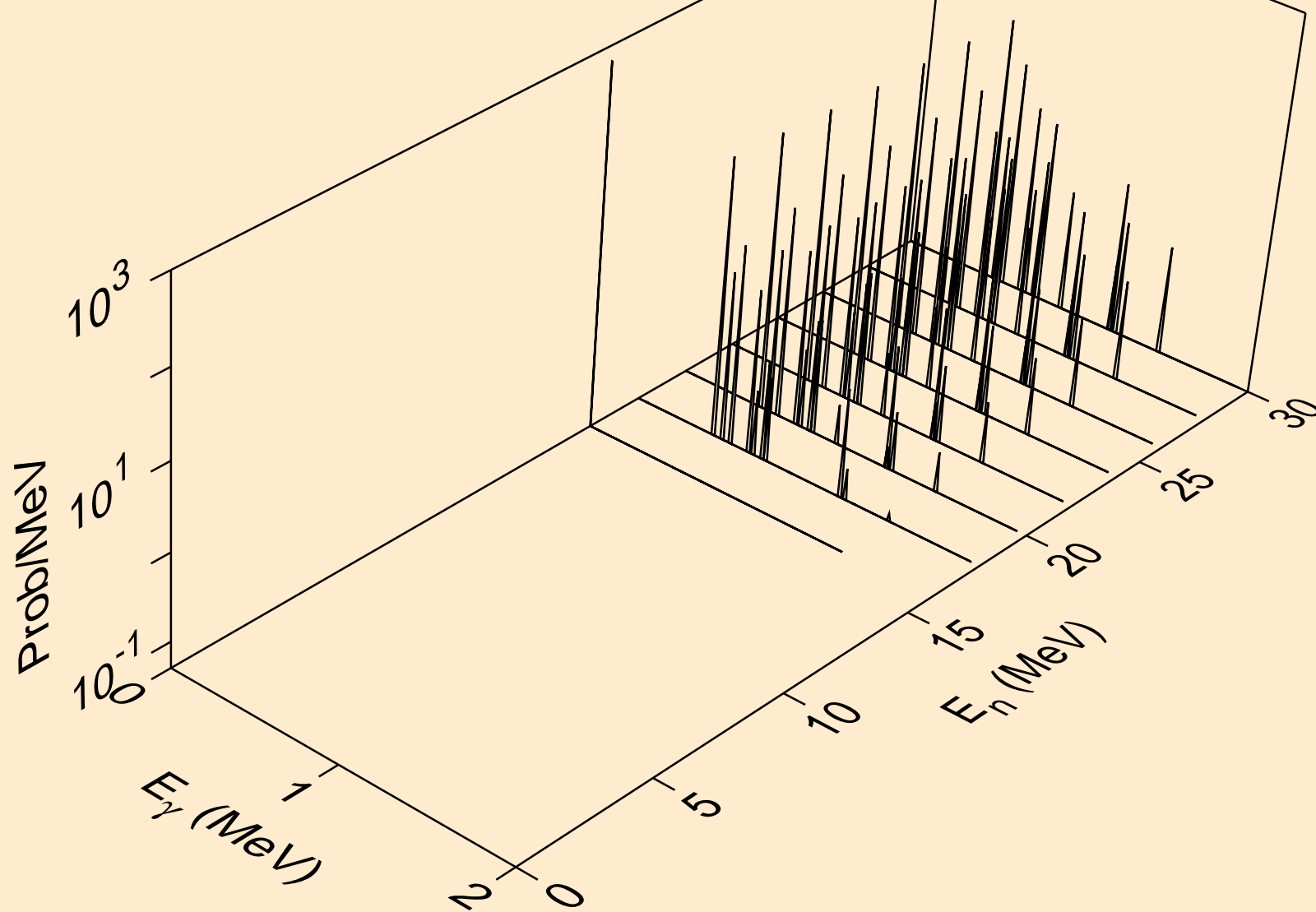
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



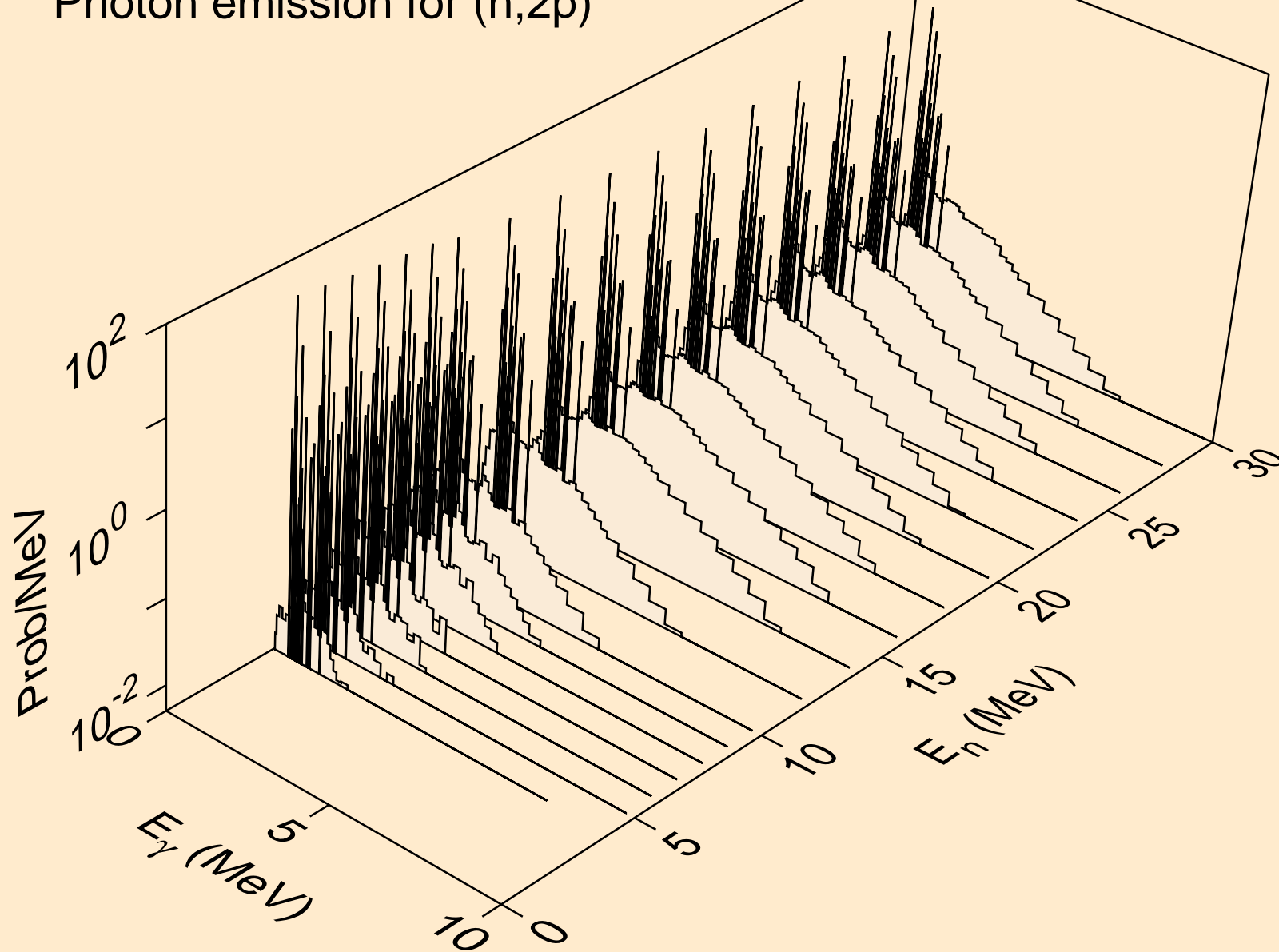
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



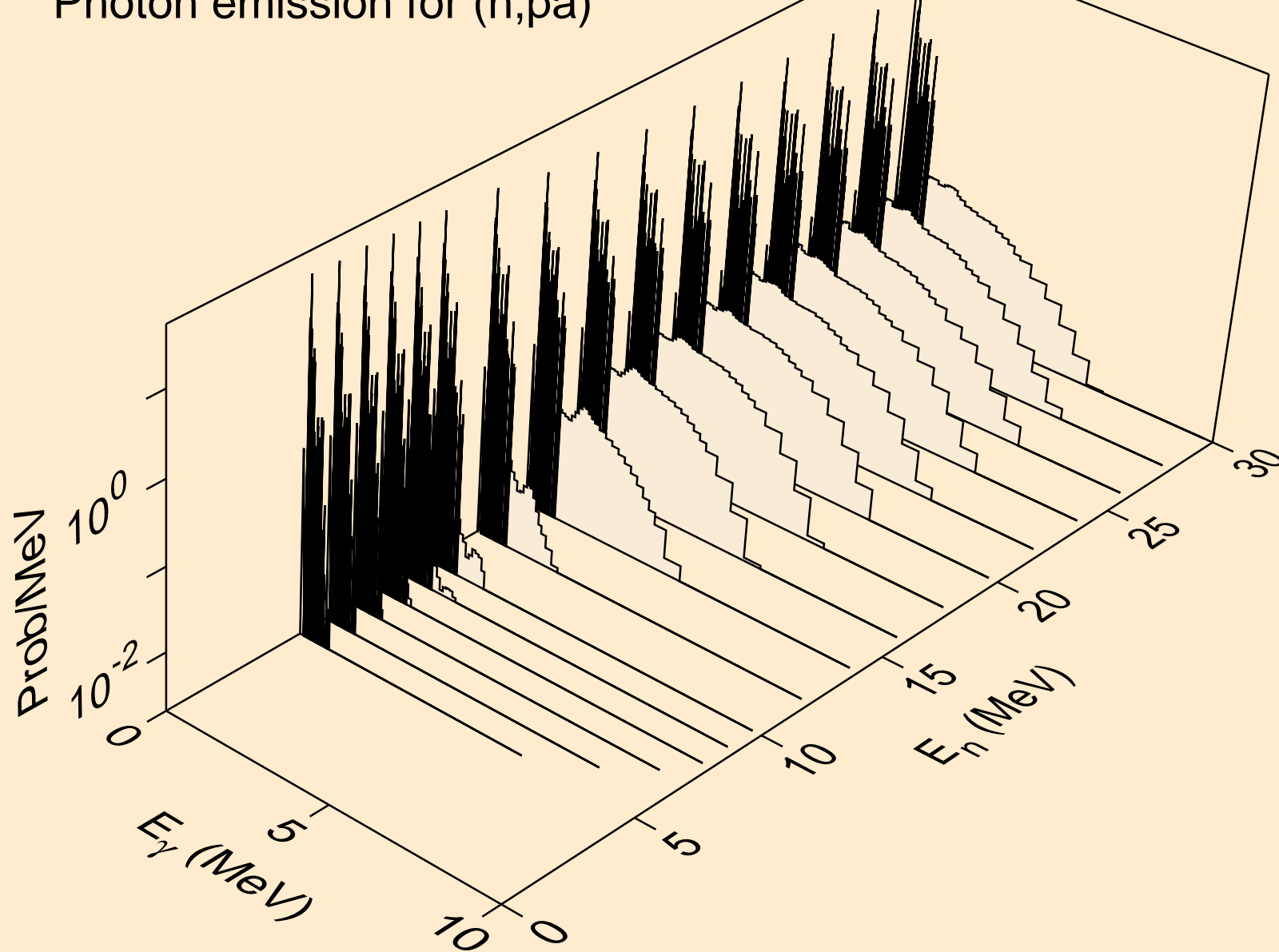
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



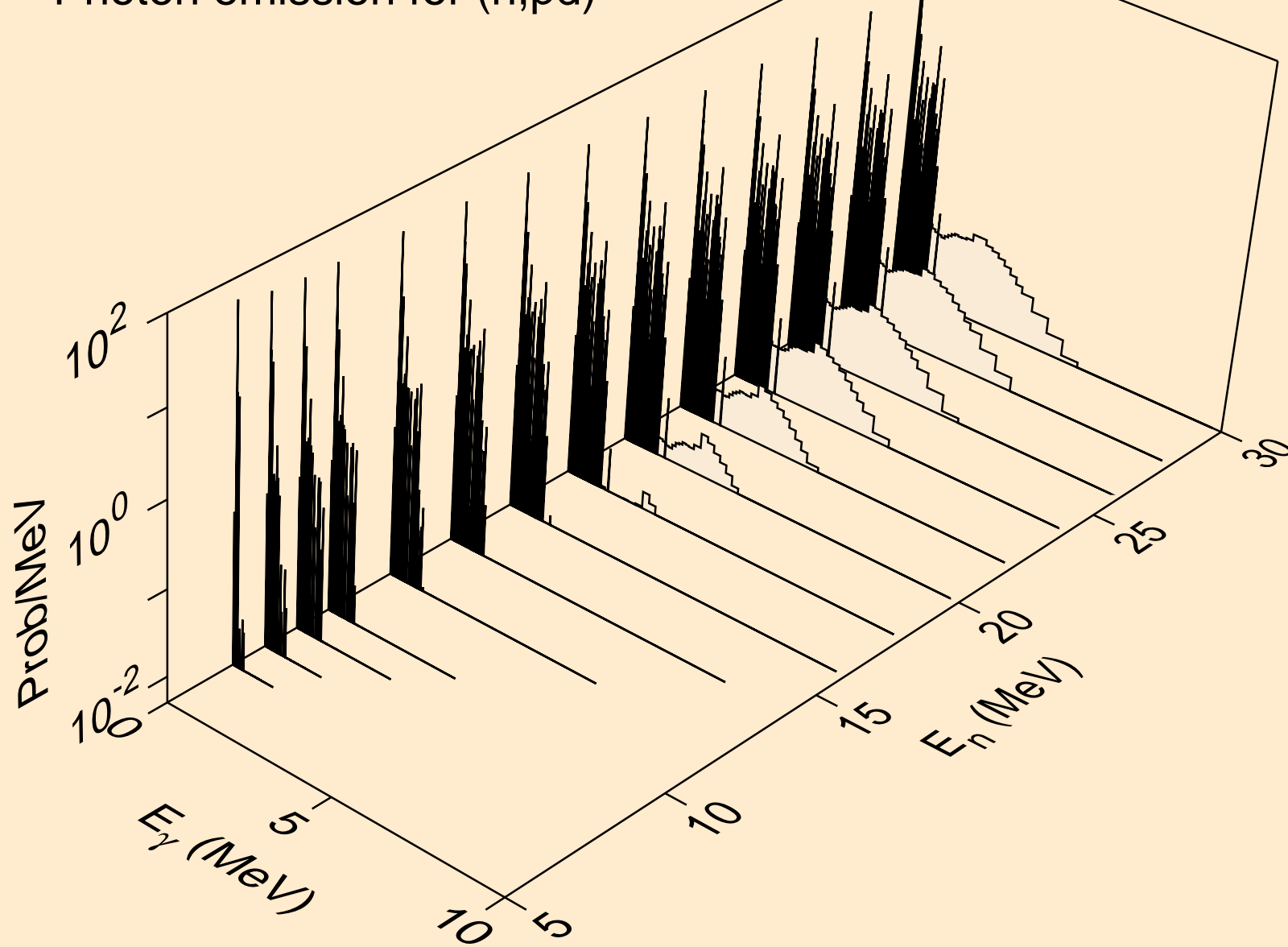
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



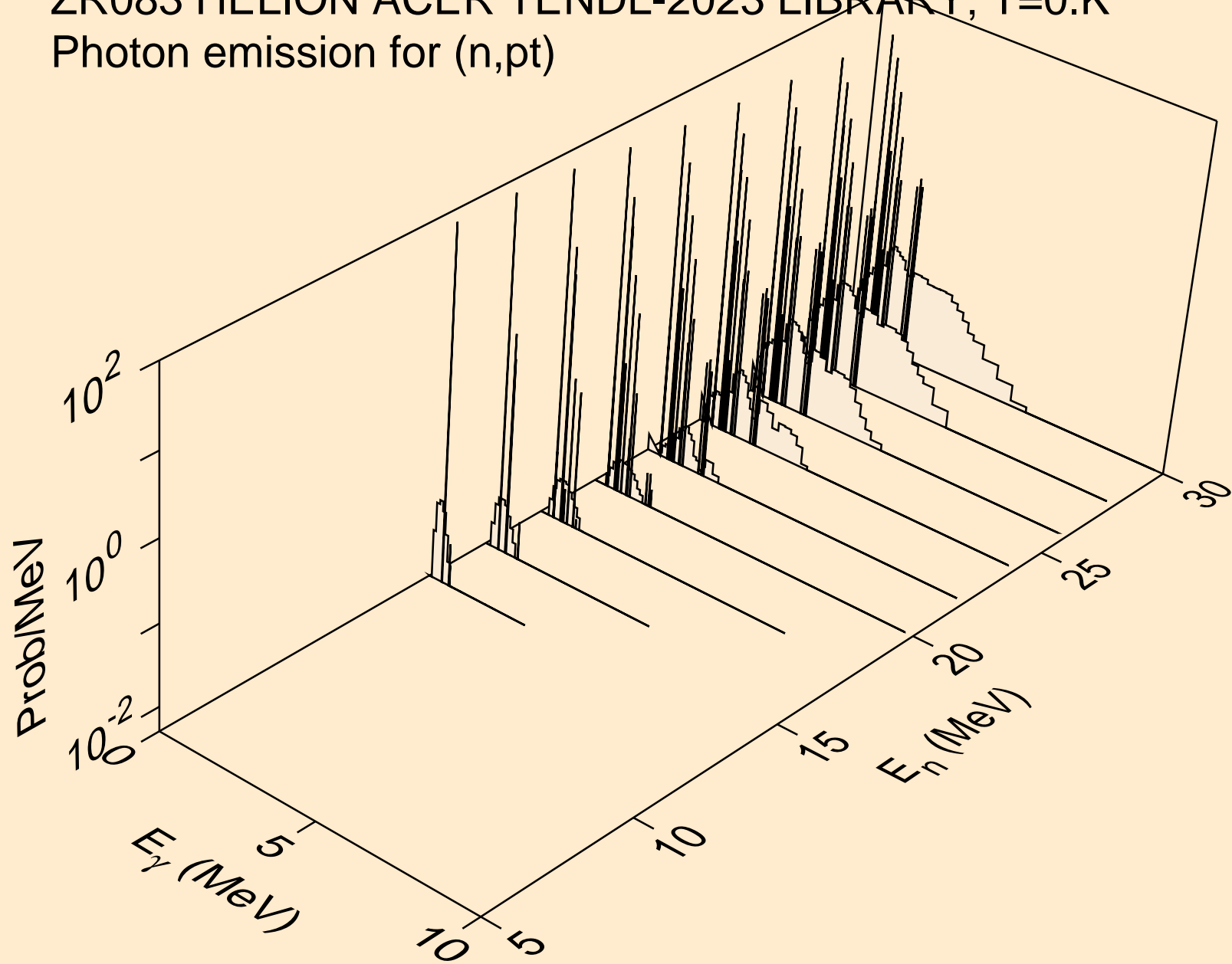
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)



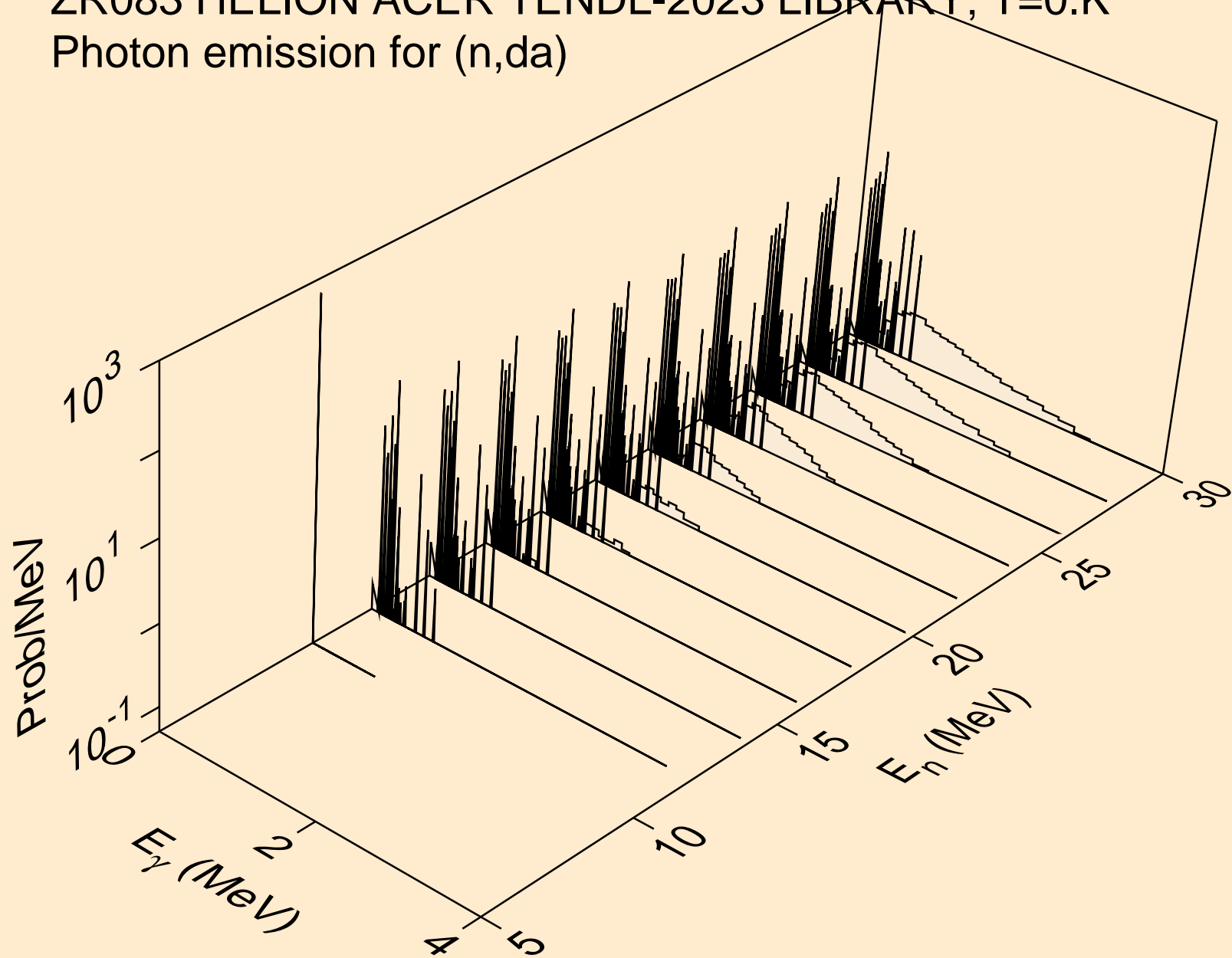
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



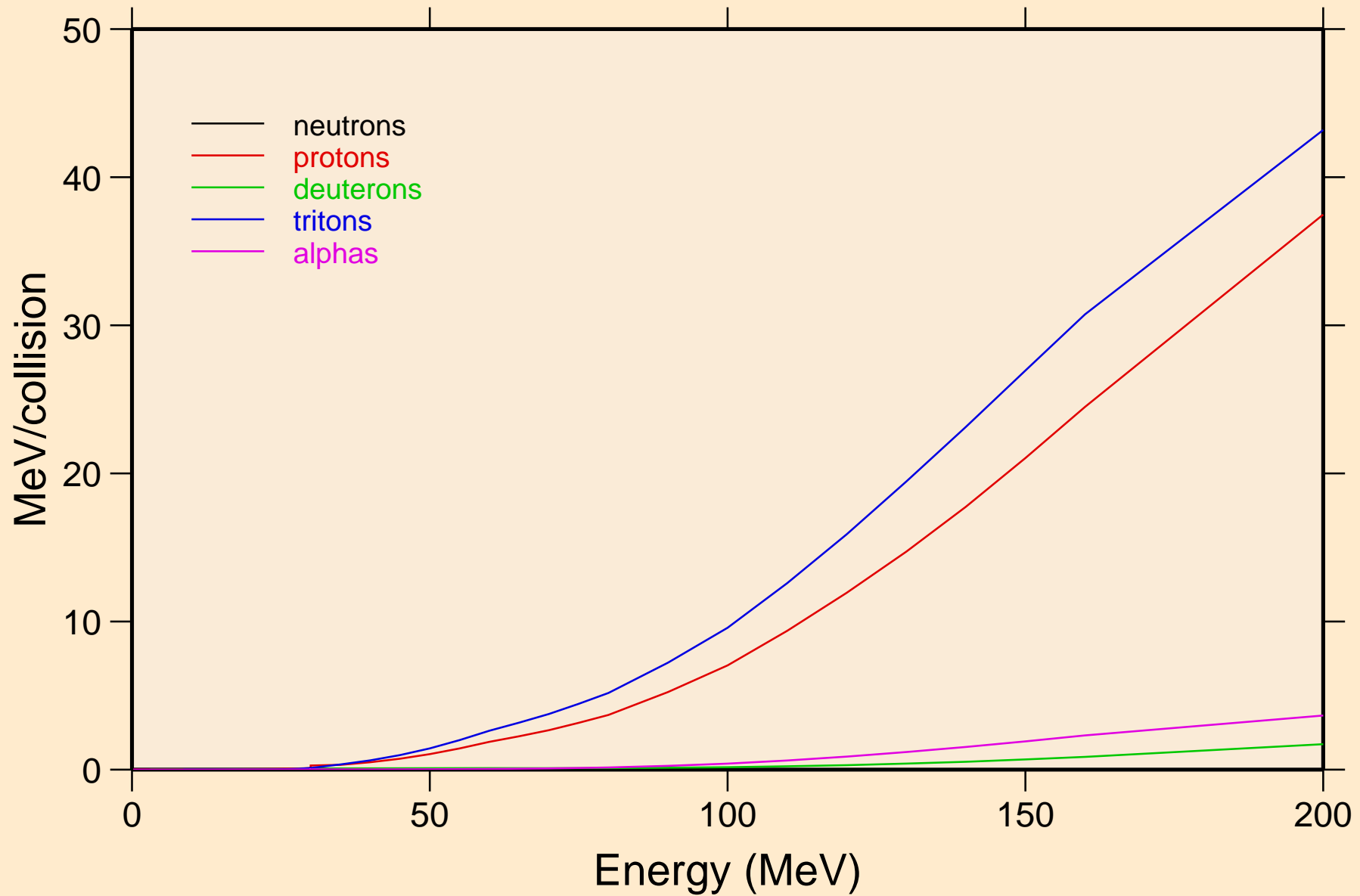
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



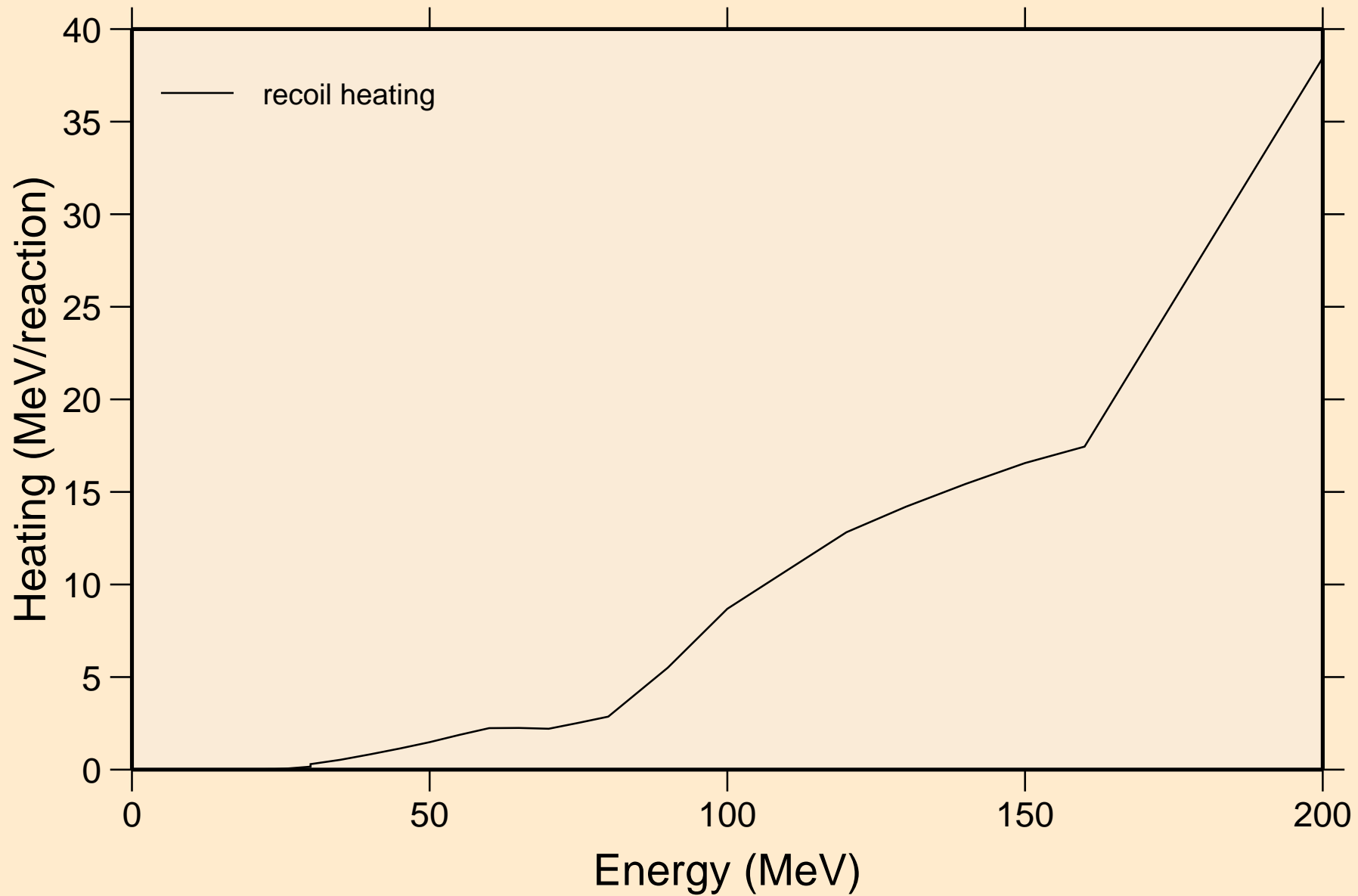
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



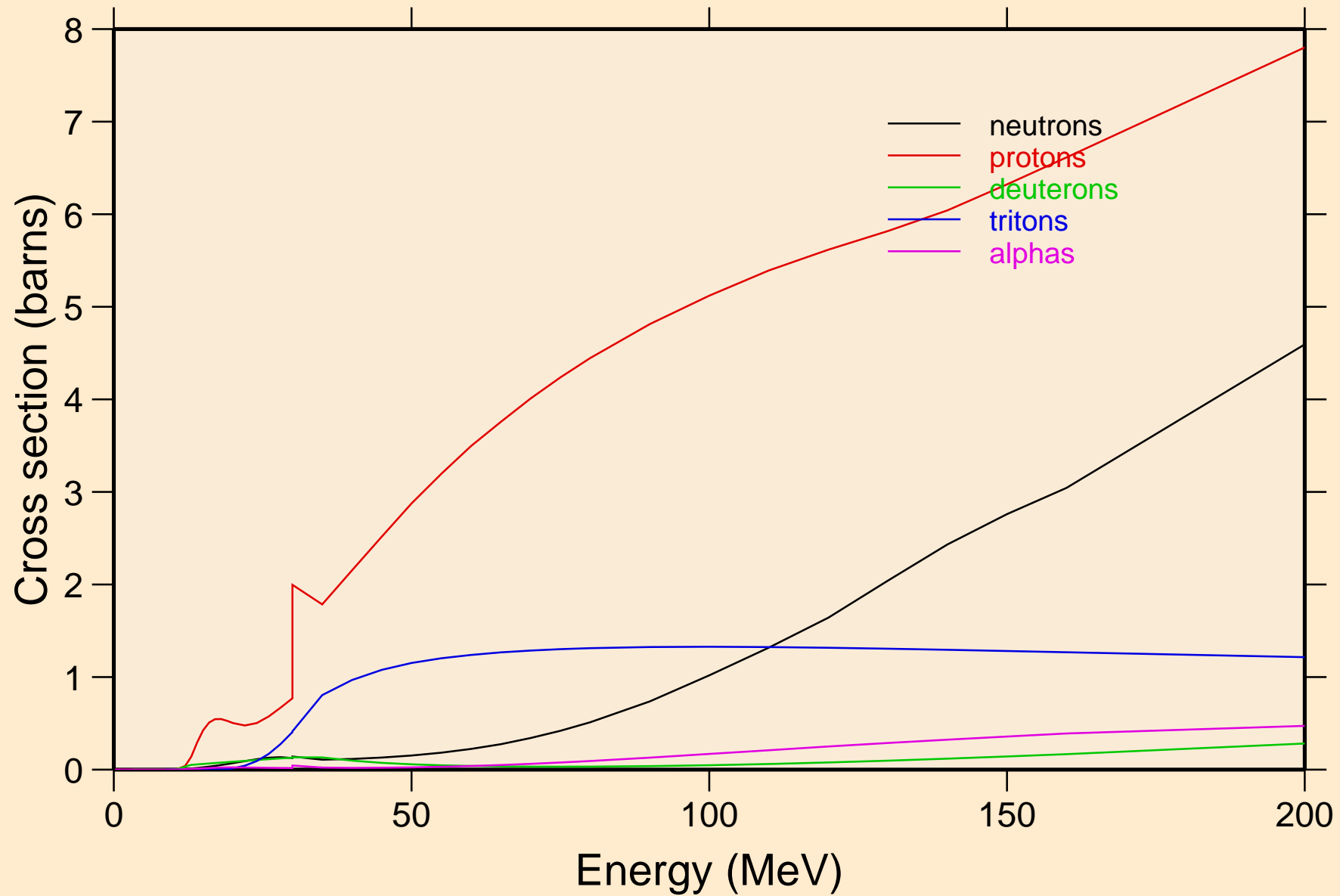
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions



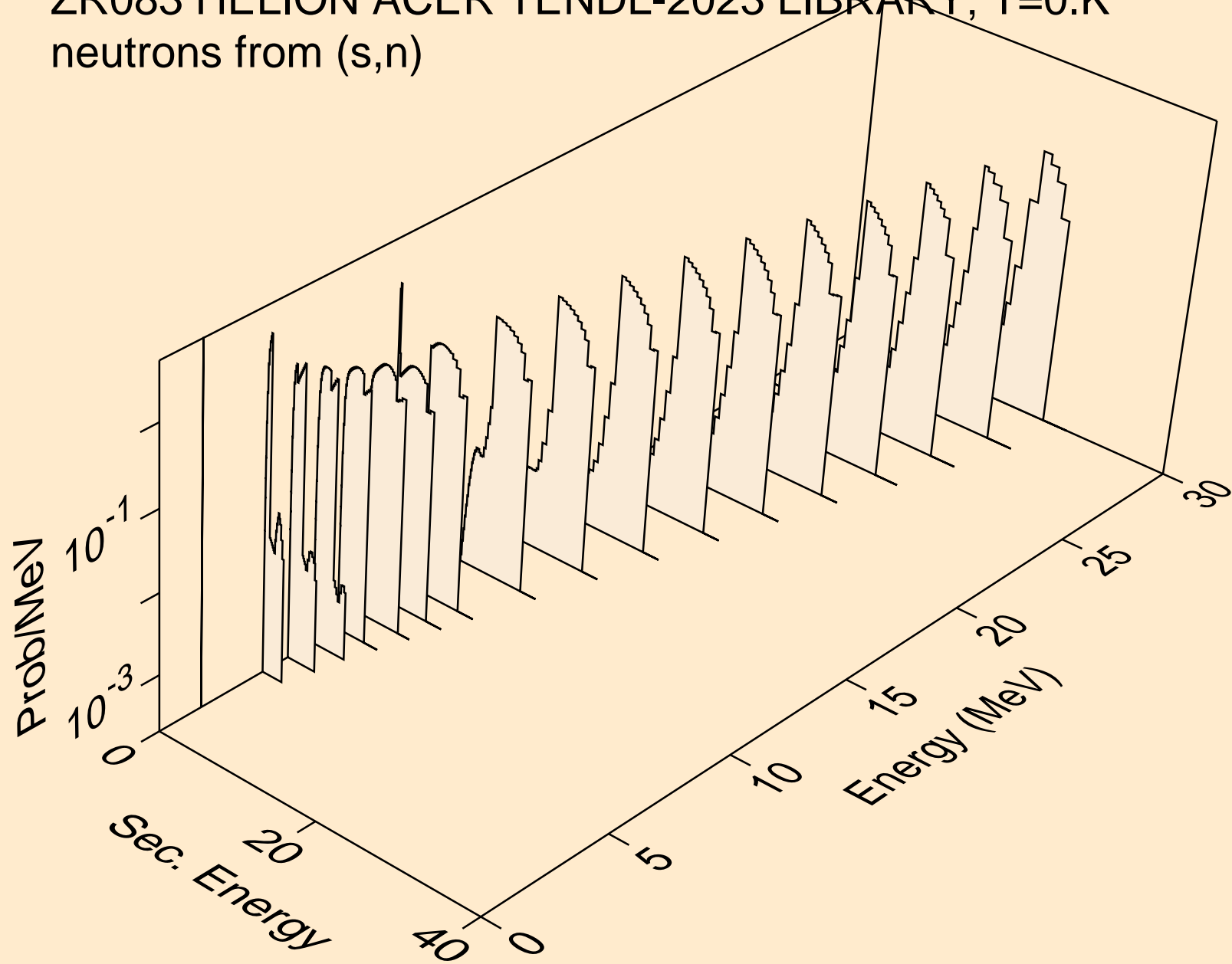
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating



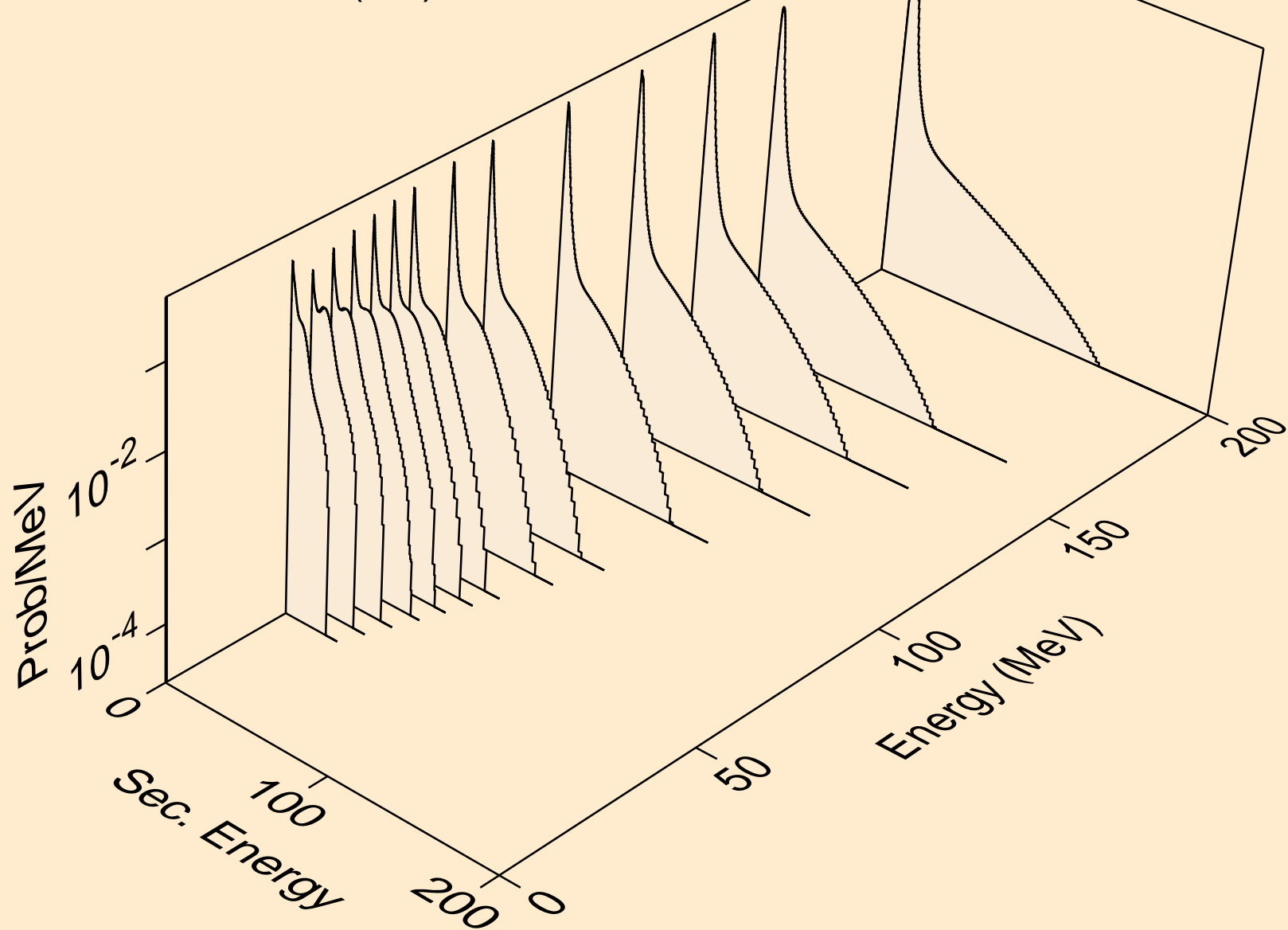
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections



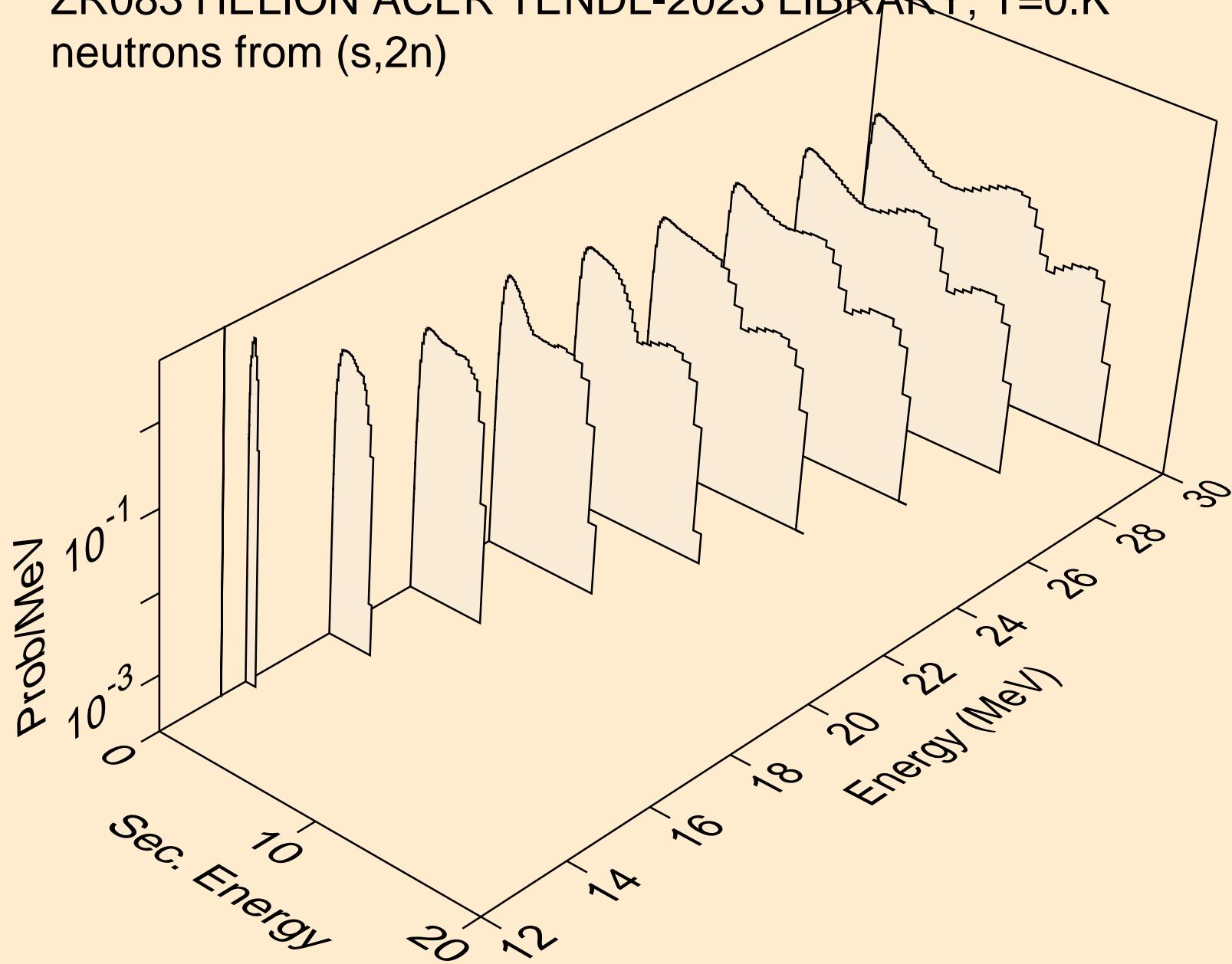
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n)



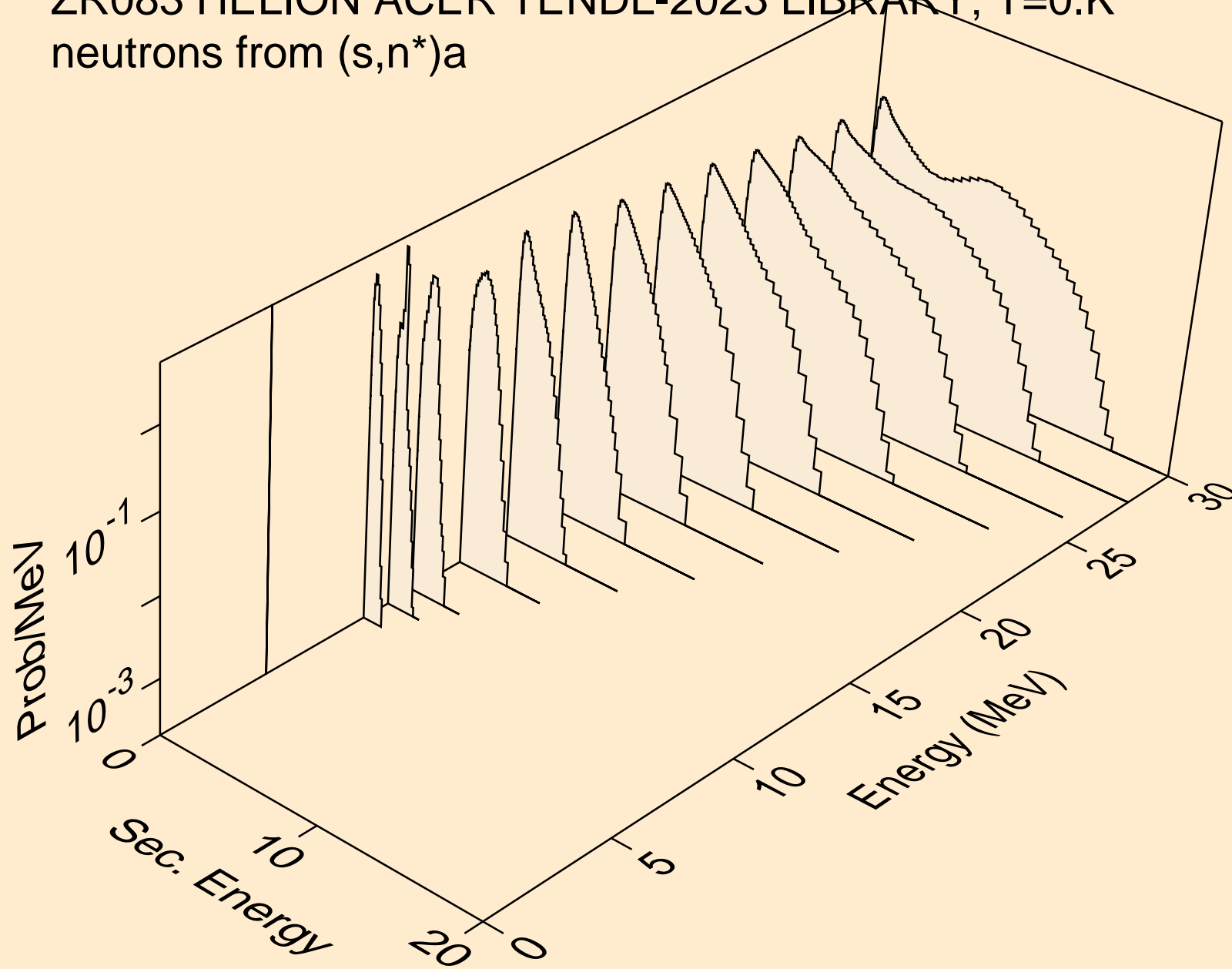
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,x)



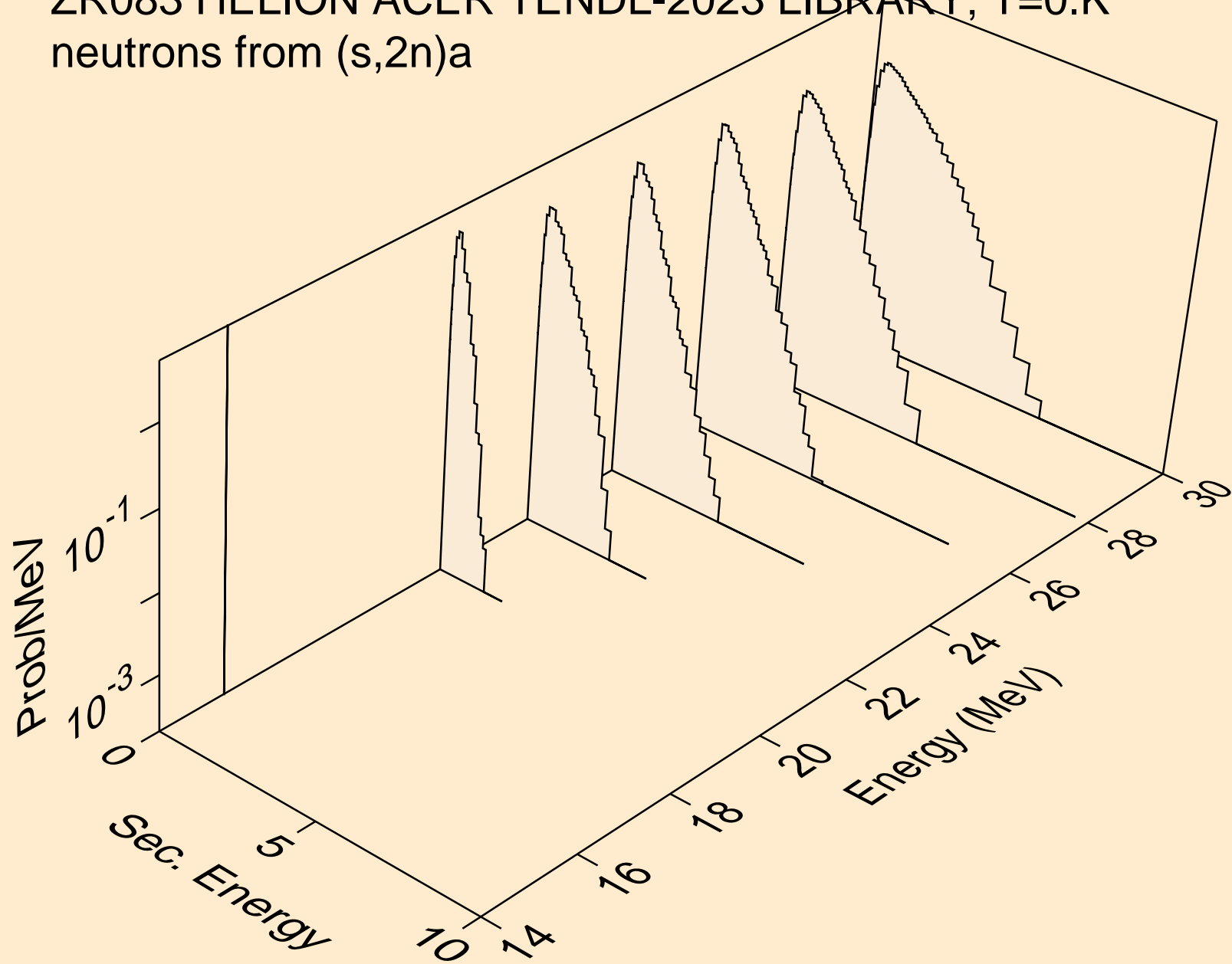
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)



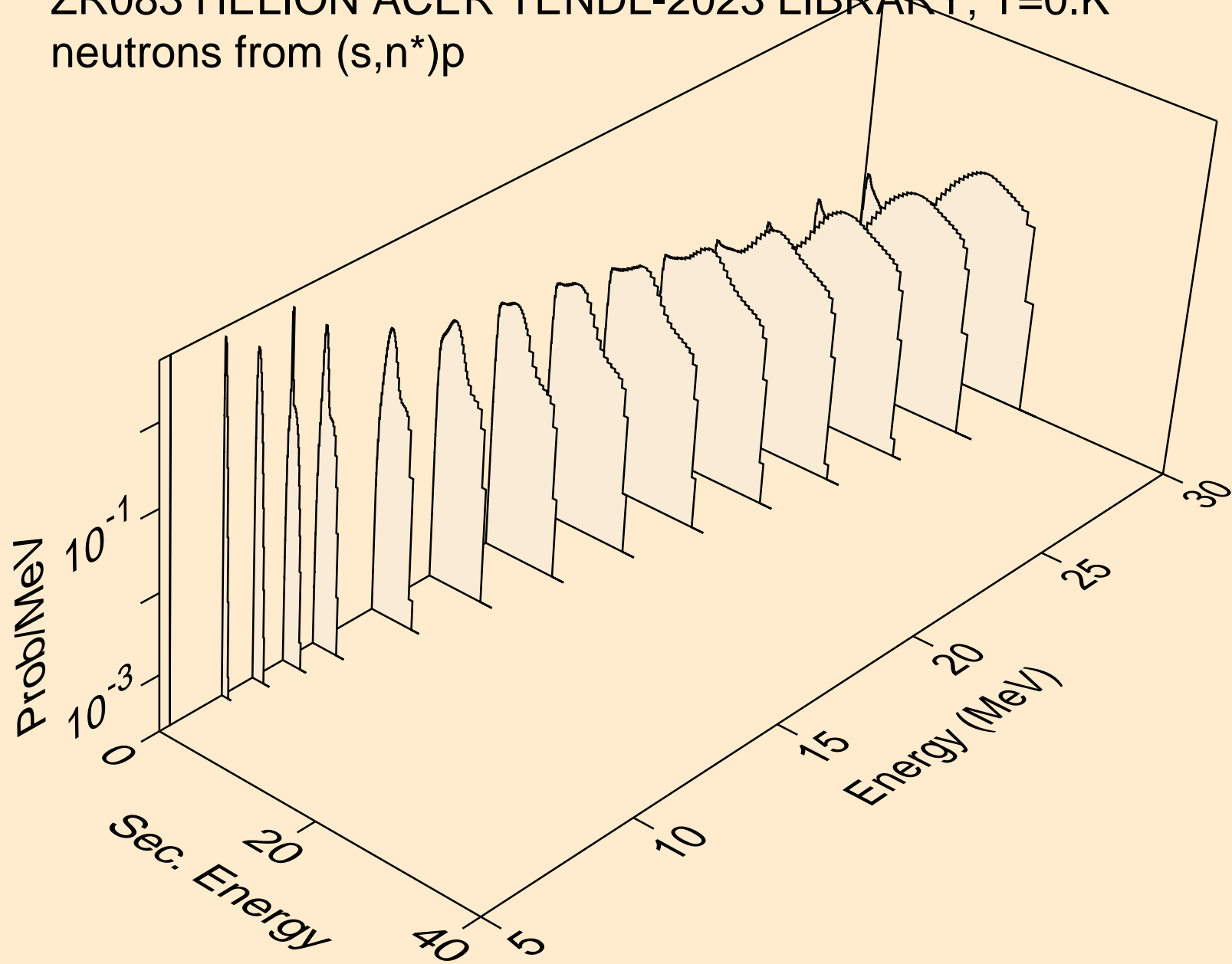
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)a



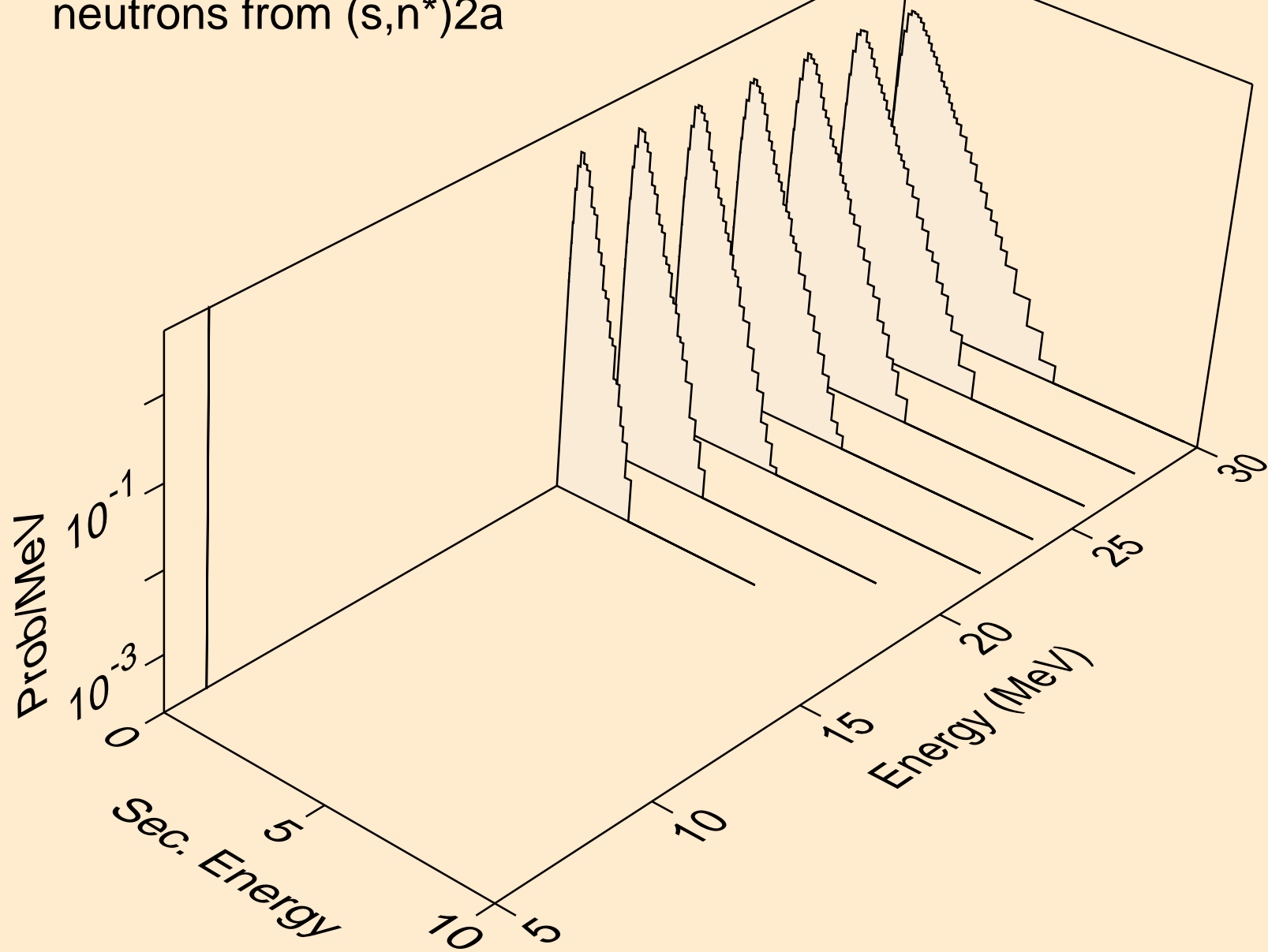
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)a



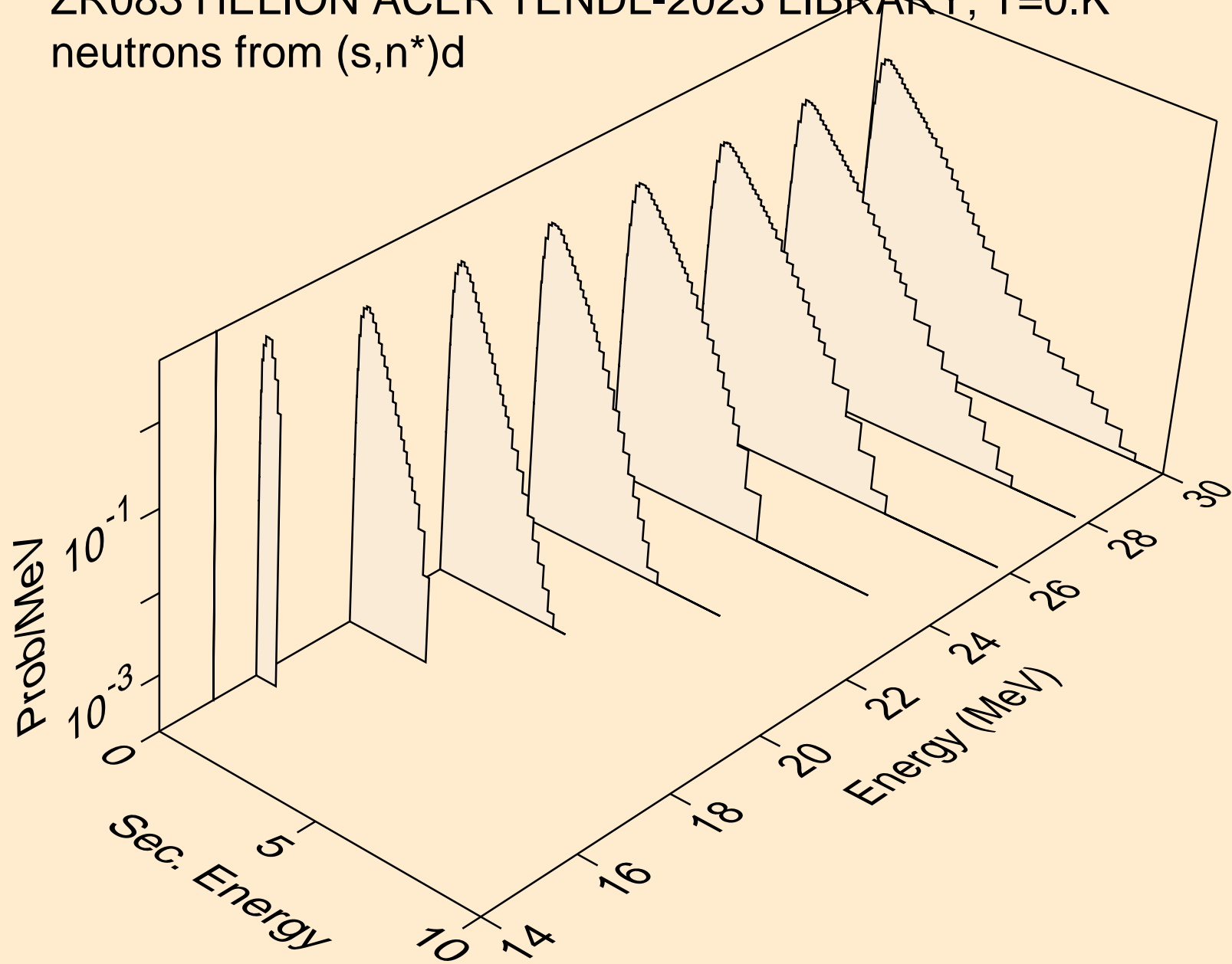
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)p



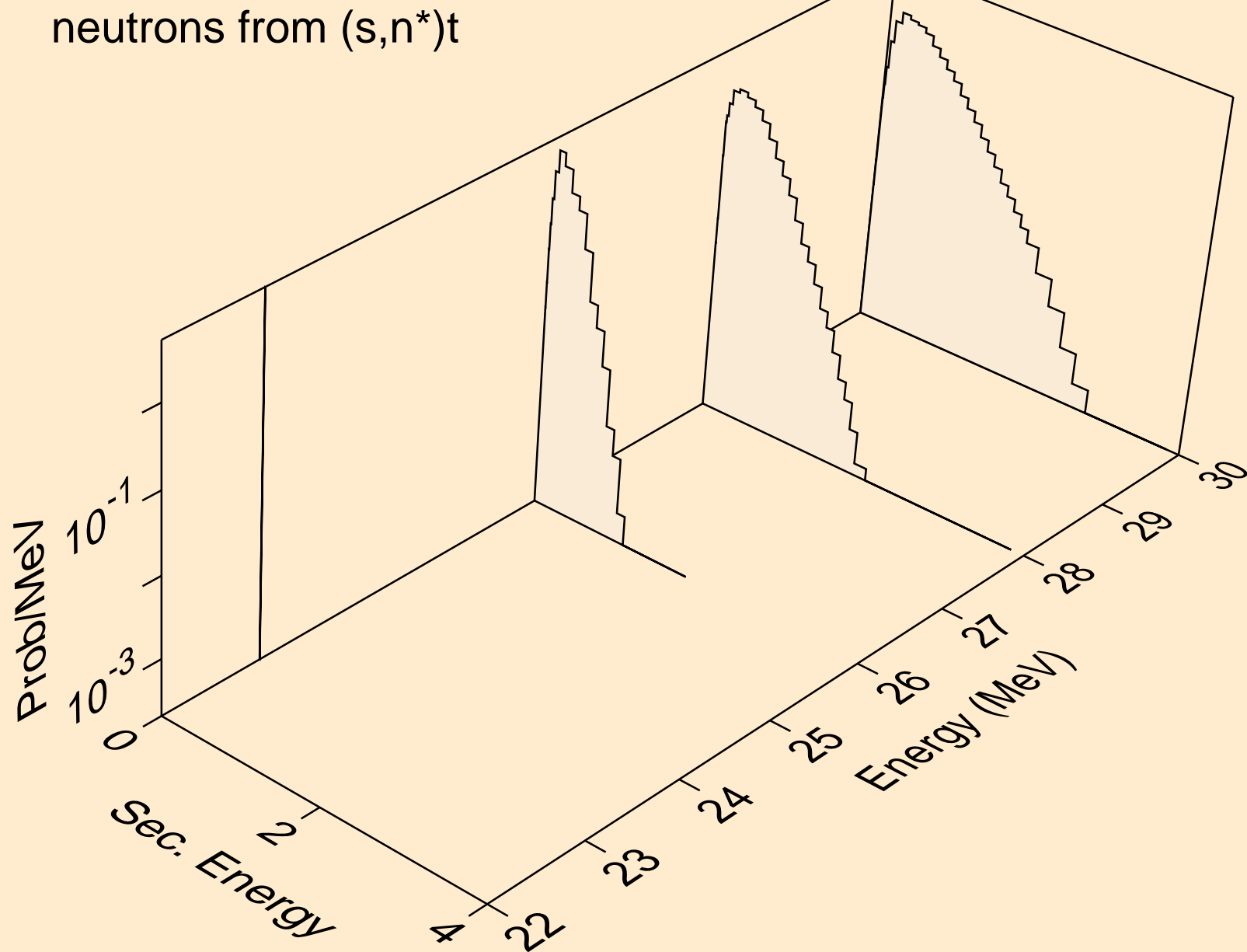
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)2a



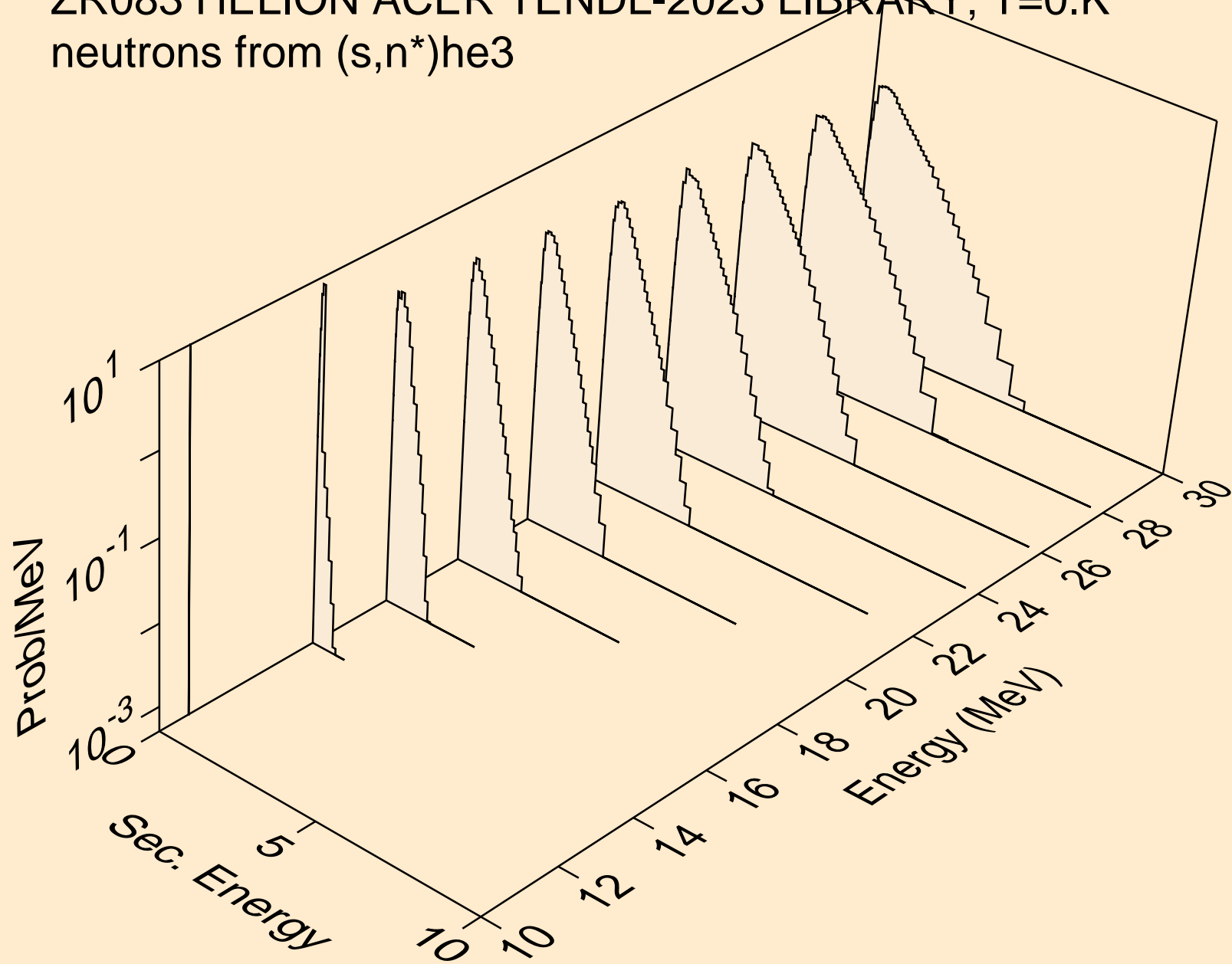
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)d



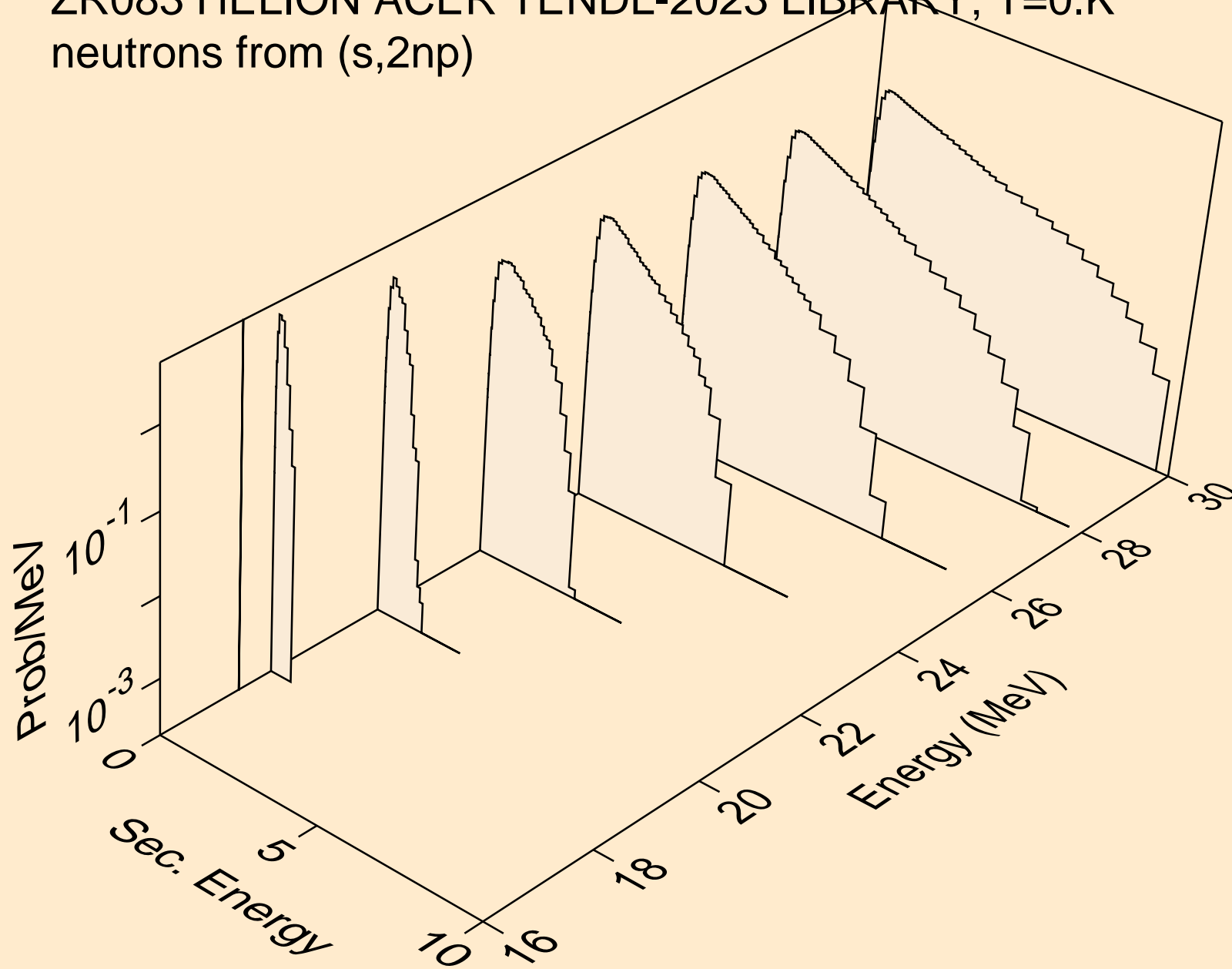
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)t



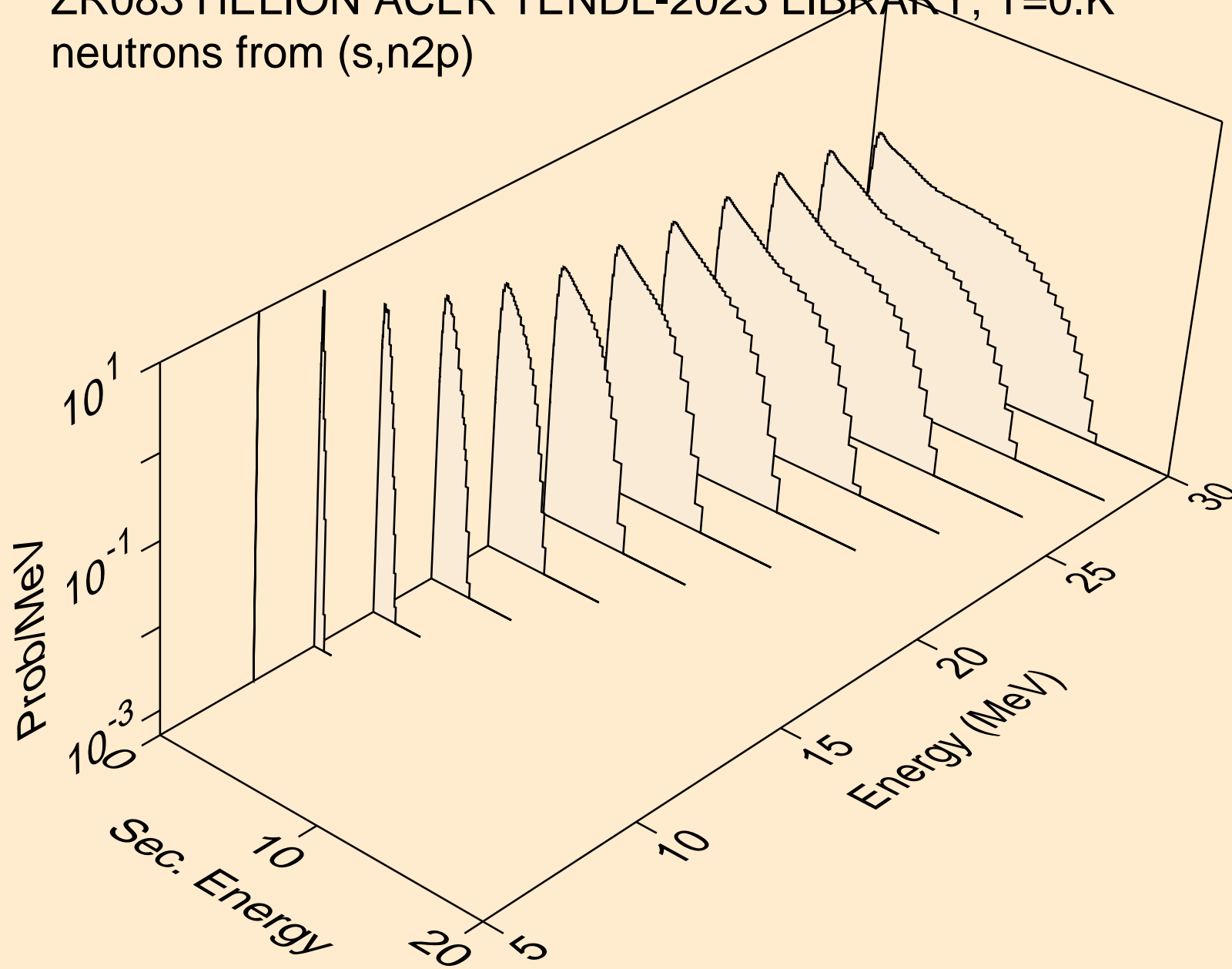
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)he3



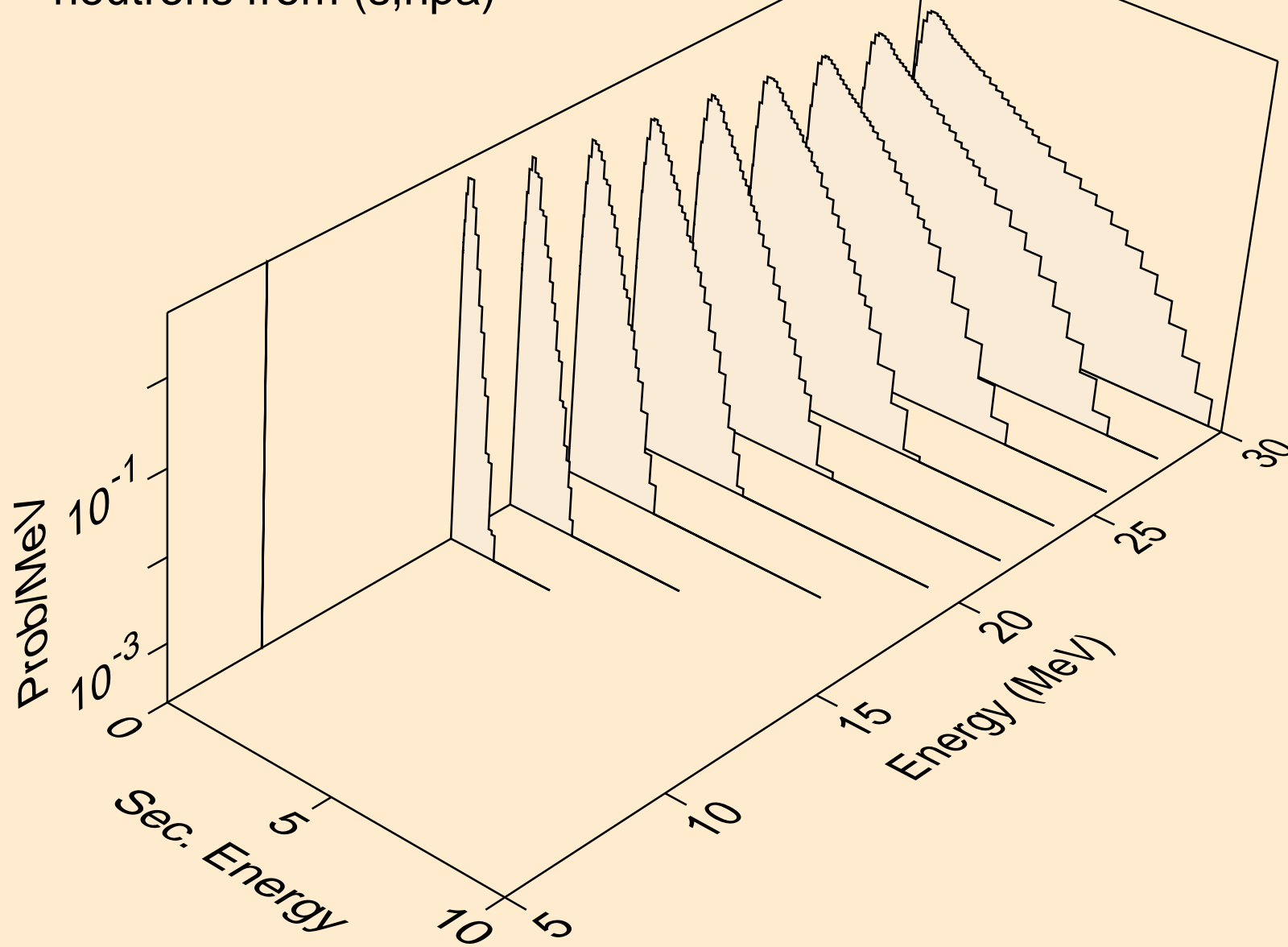
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2np)



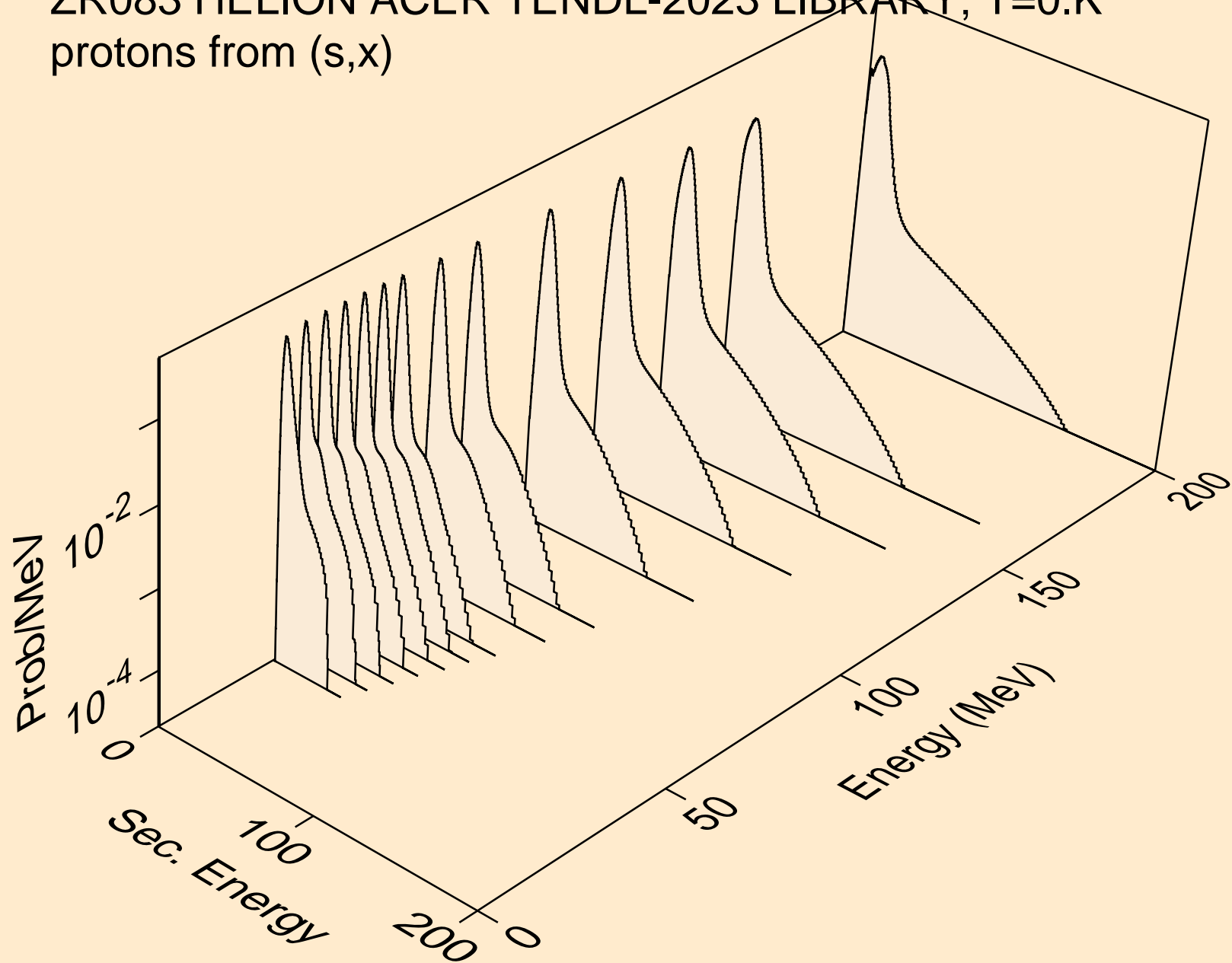
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n2p)



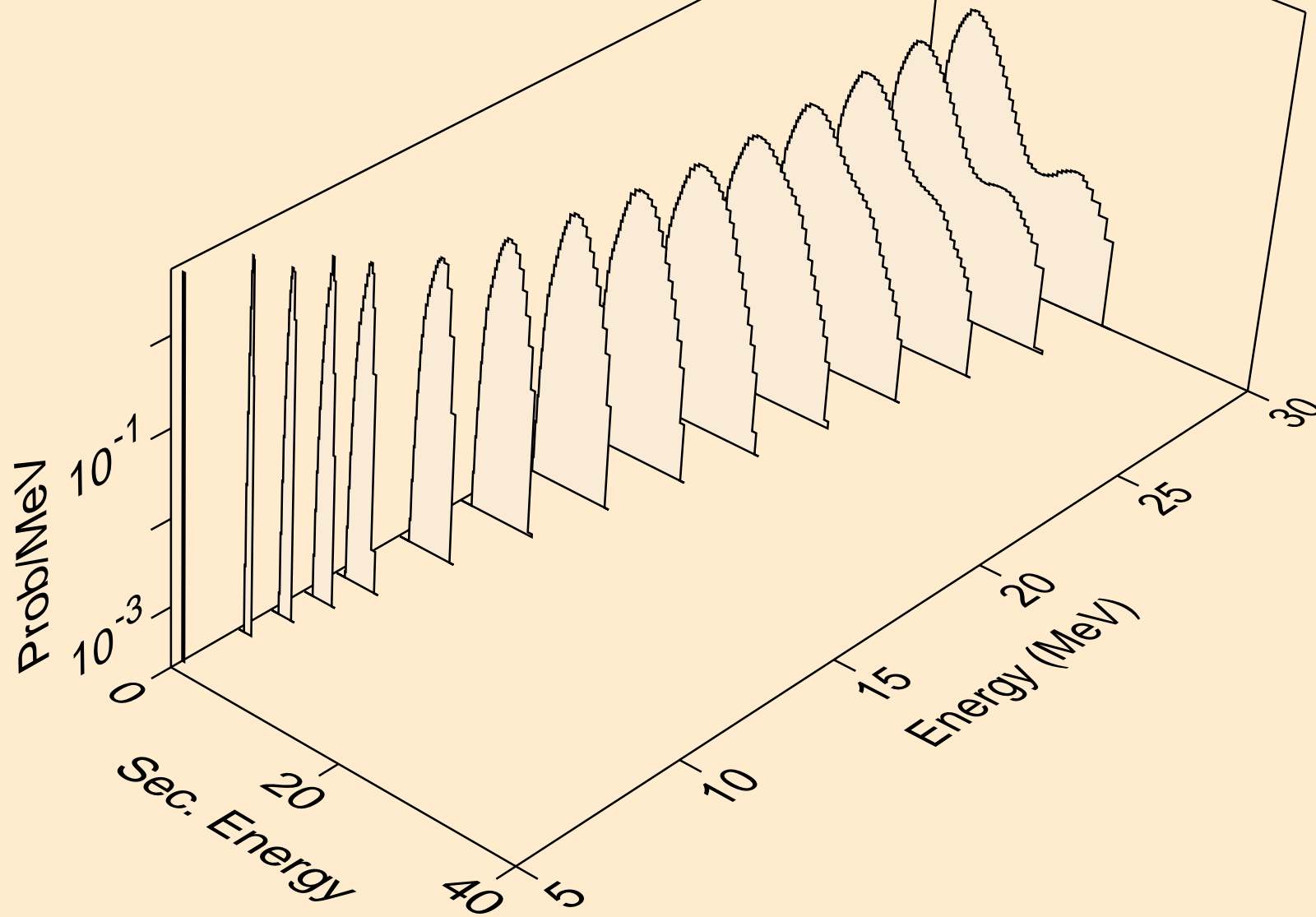
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,npa)



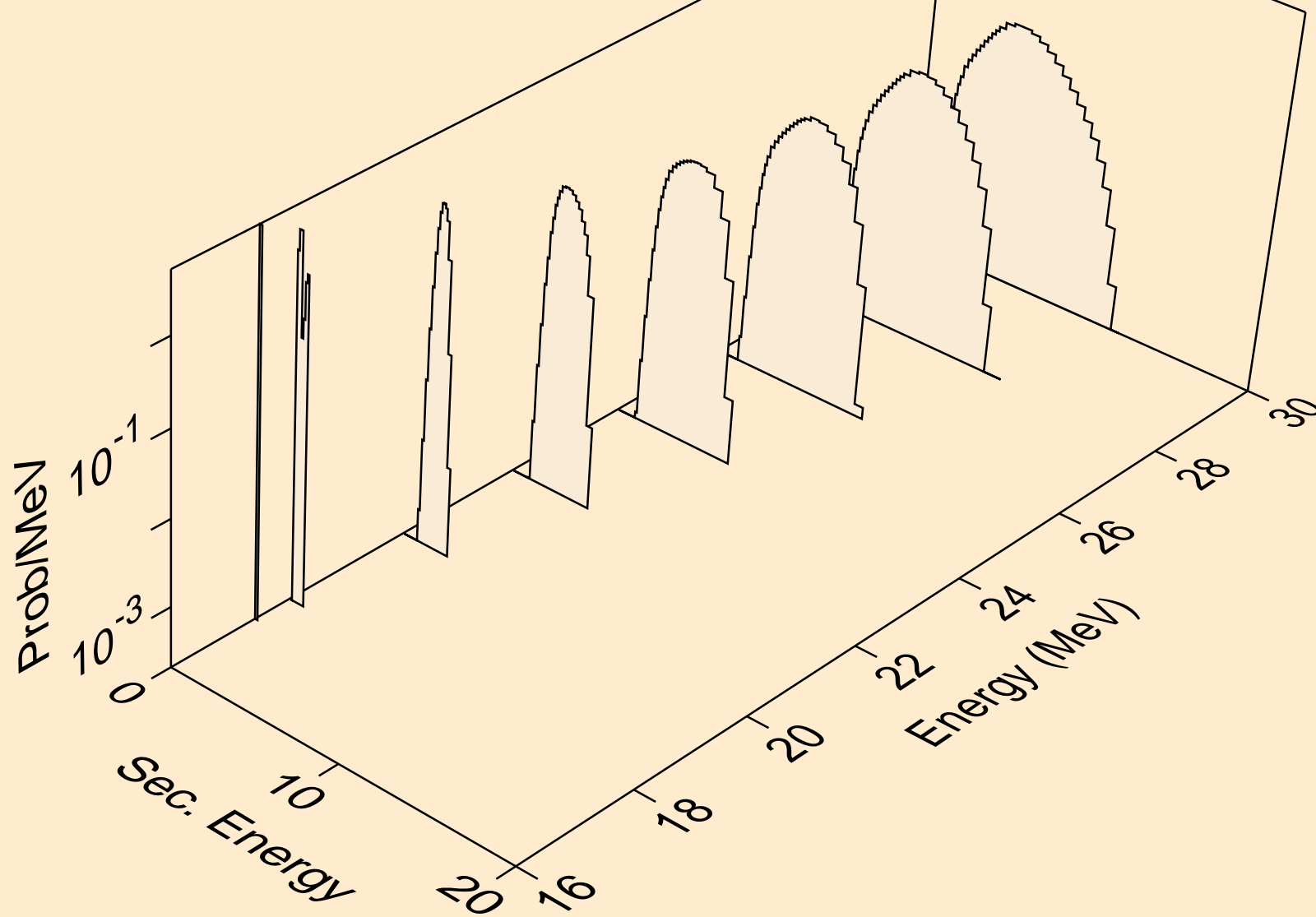
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,x)



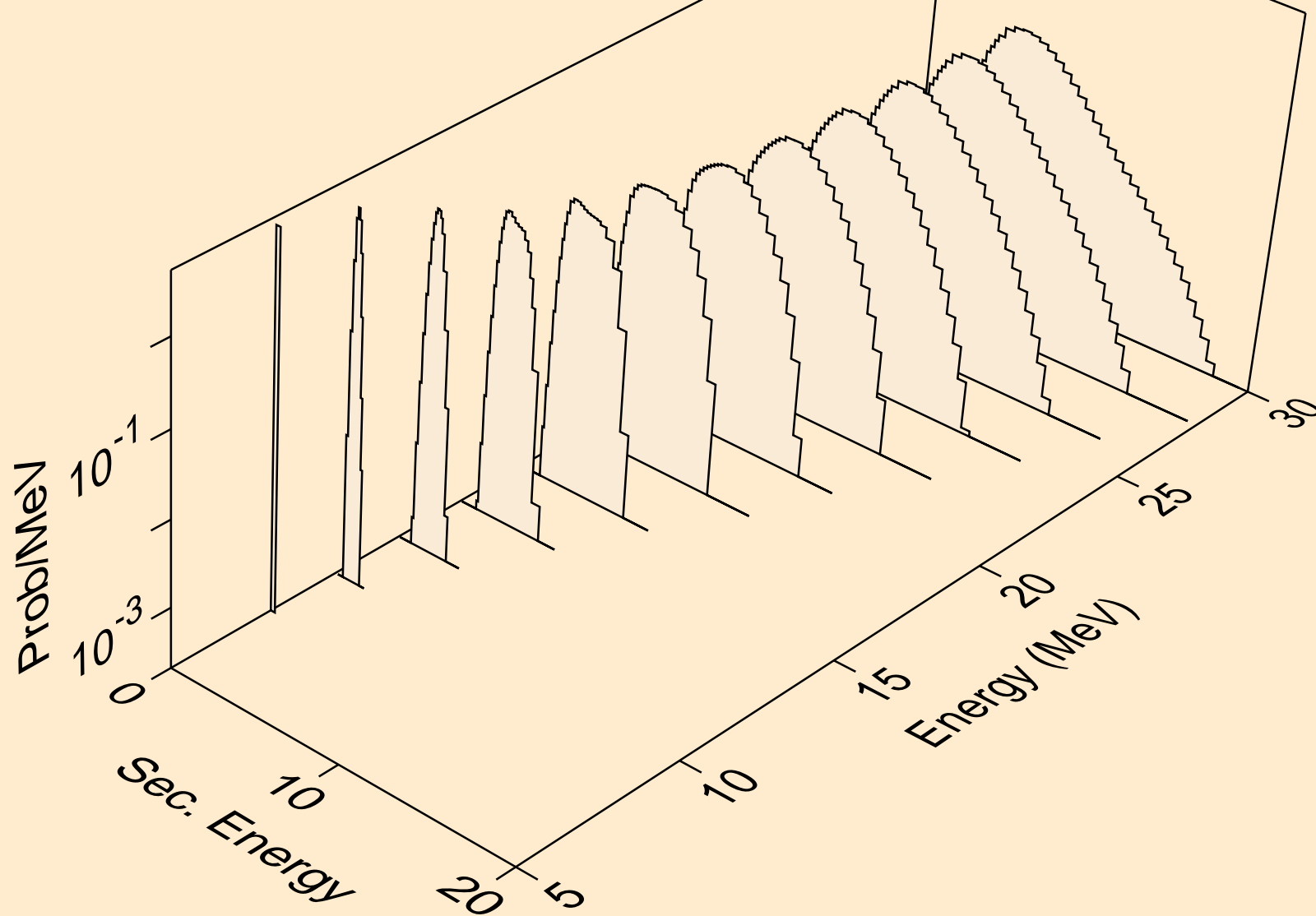
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,n*)p



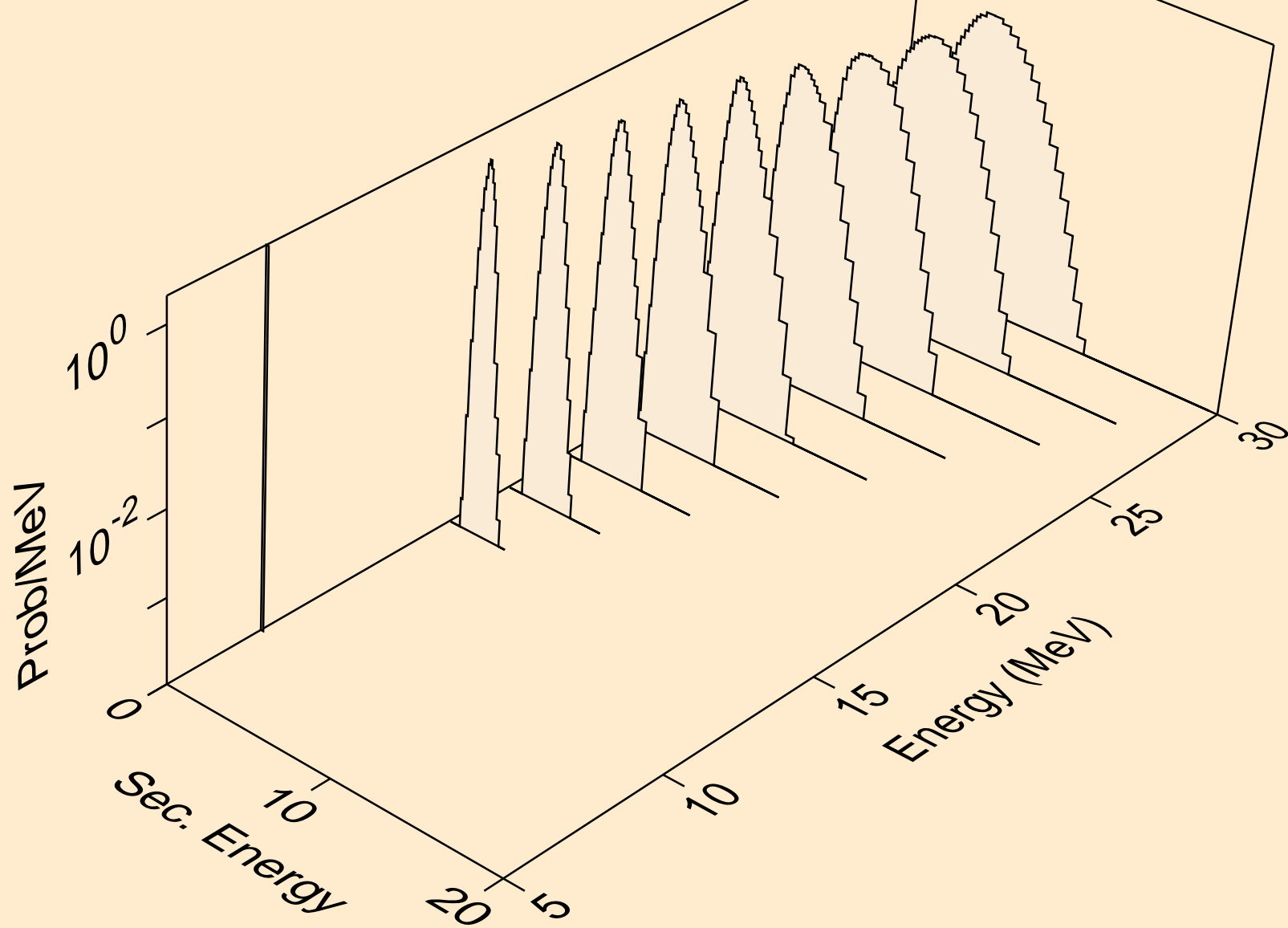
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,2np)



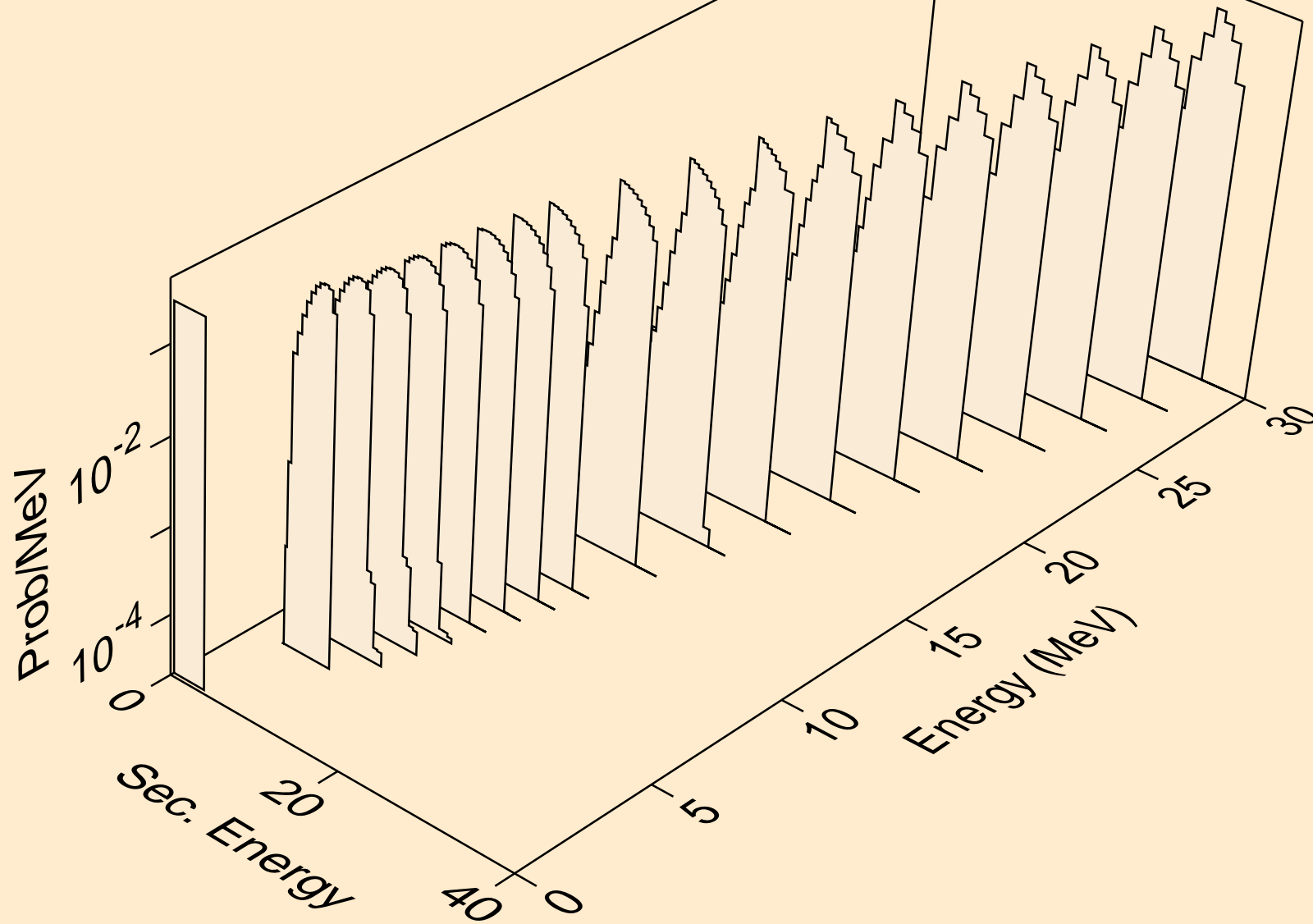
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,n2p)



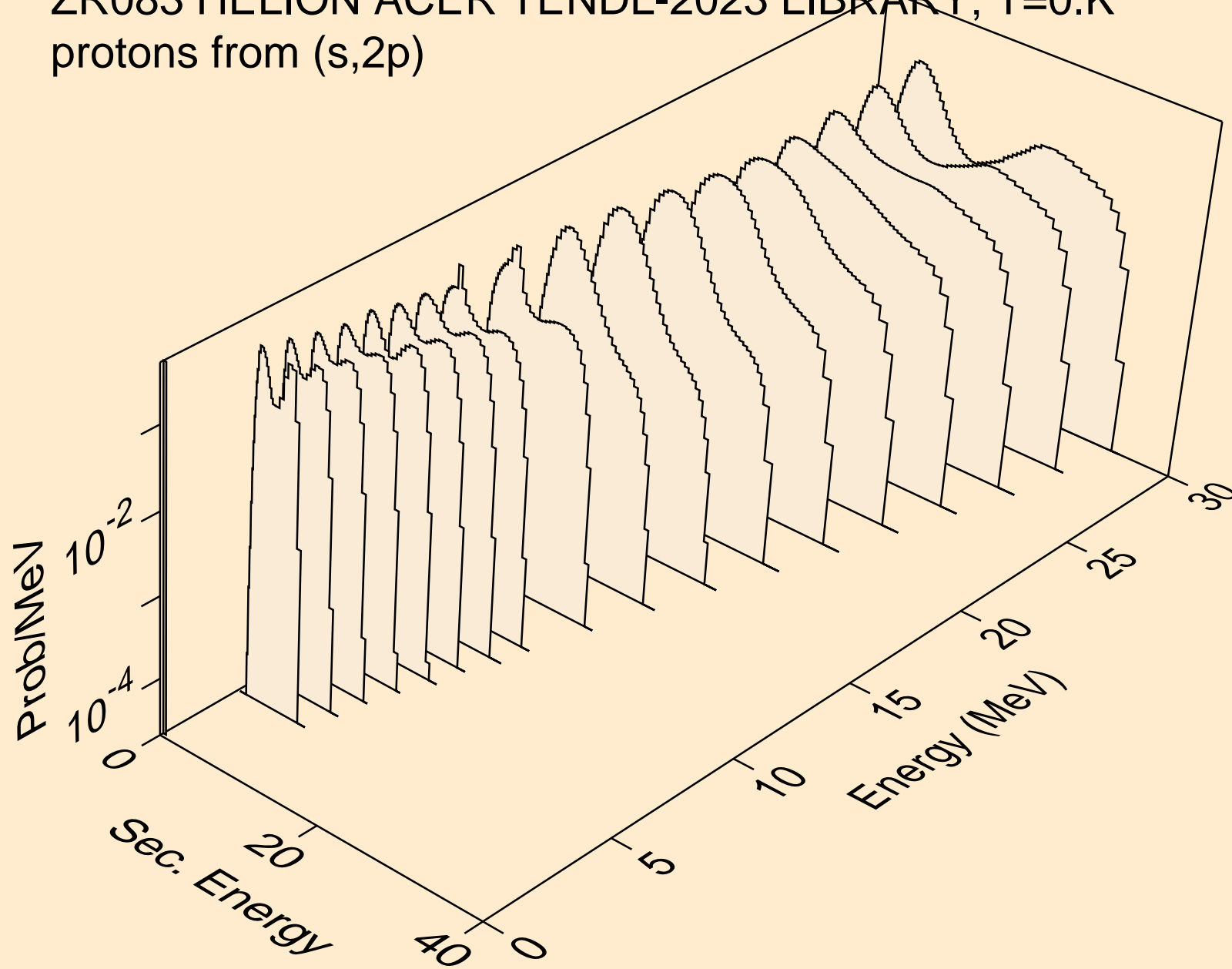
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,npa)



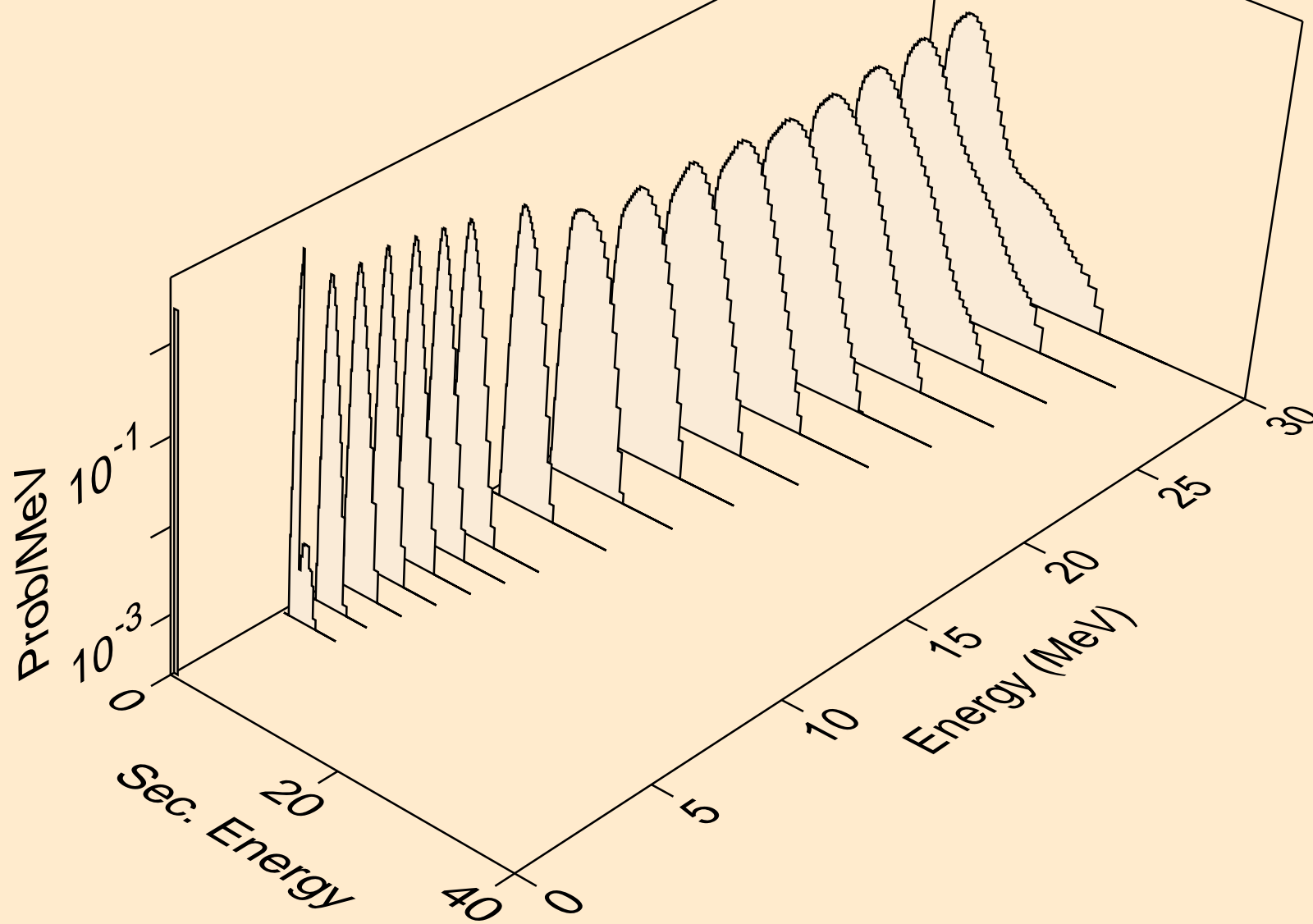
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,p)



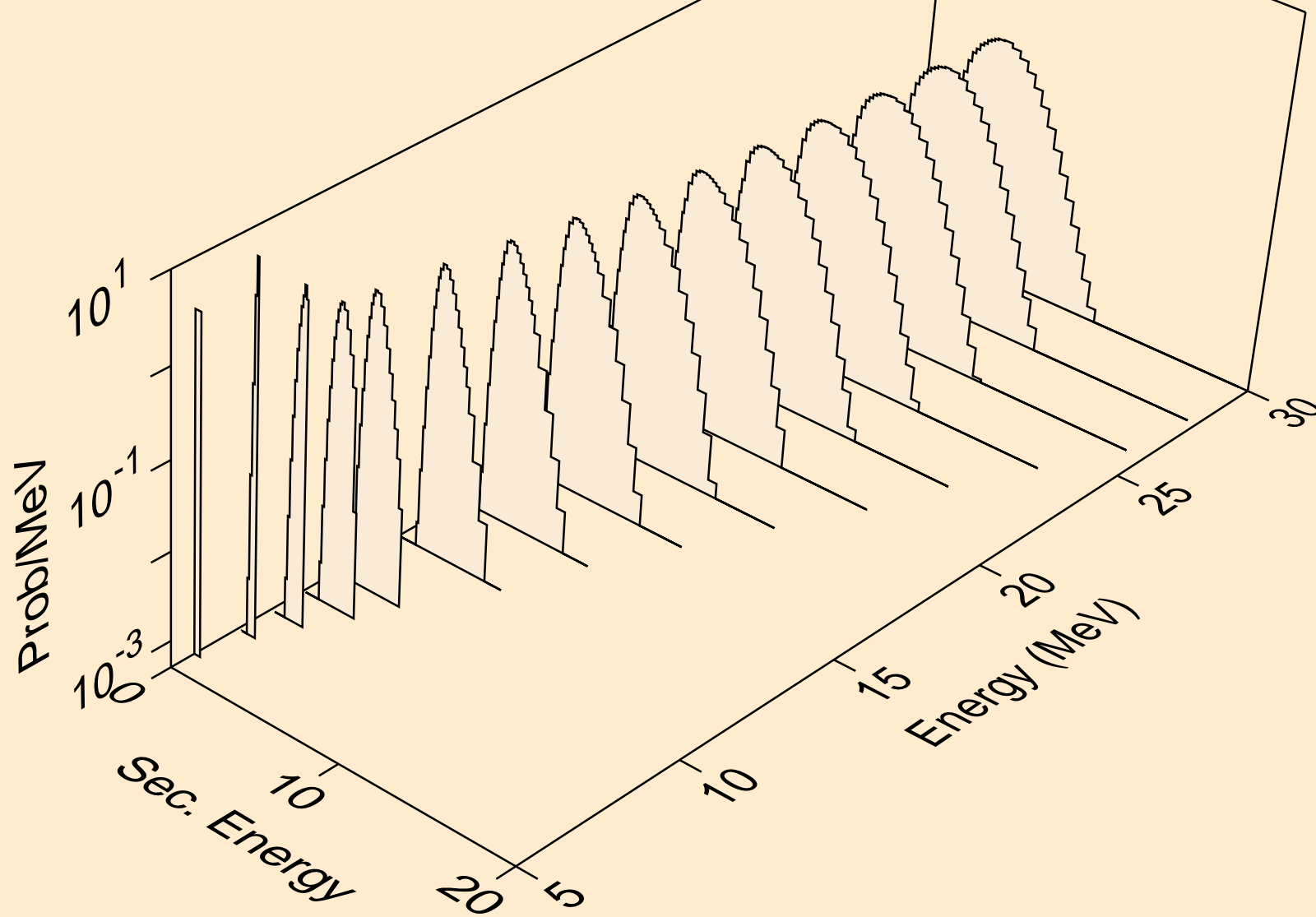
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,2p)



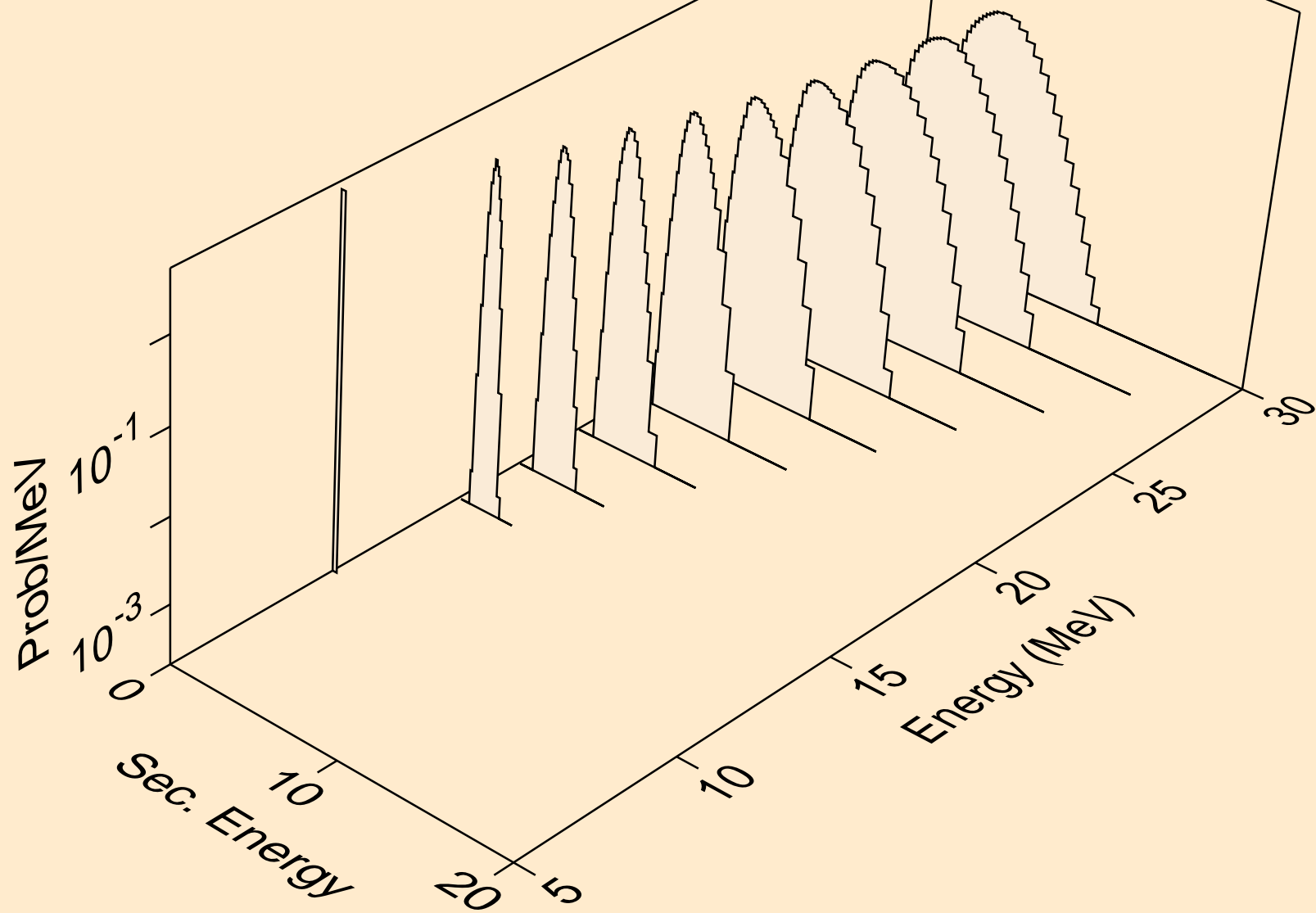
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pa)



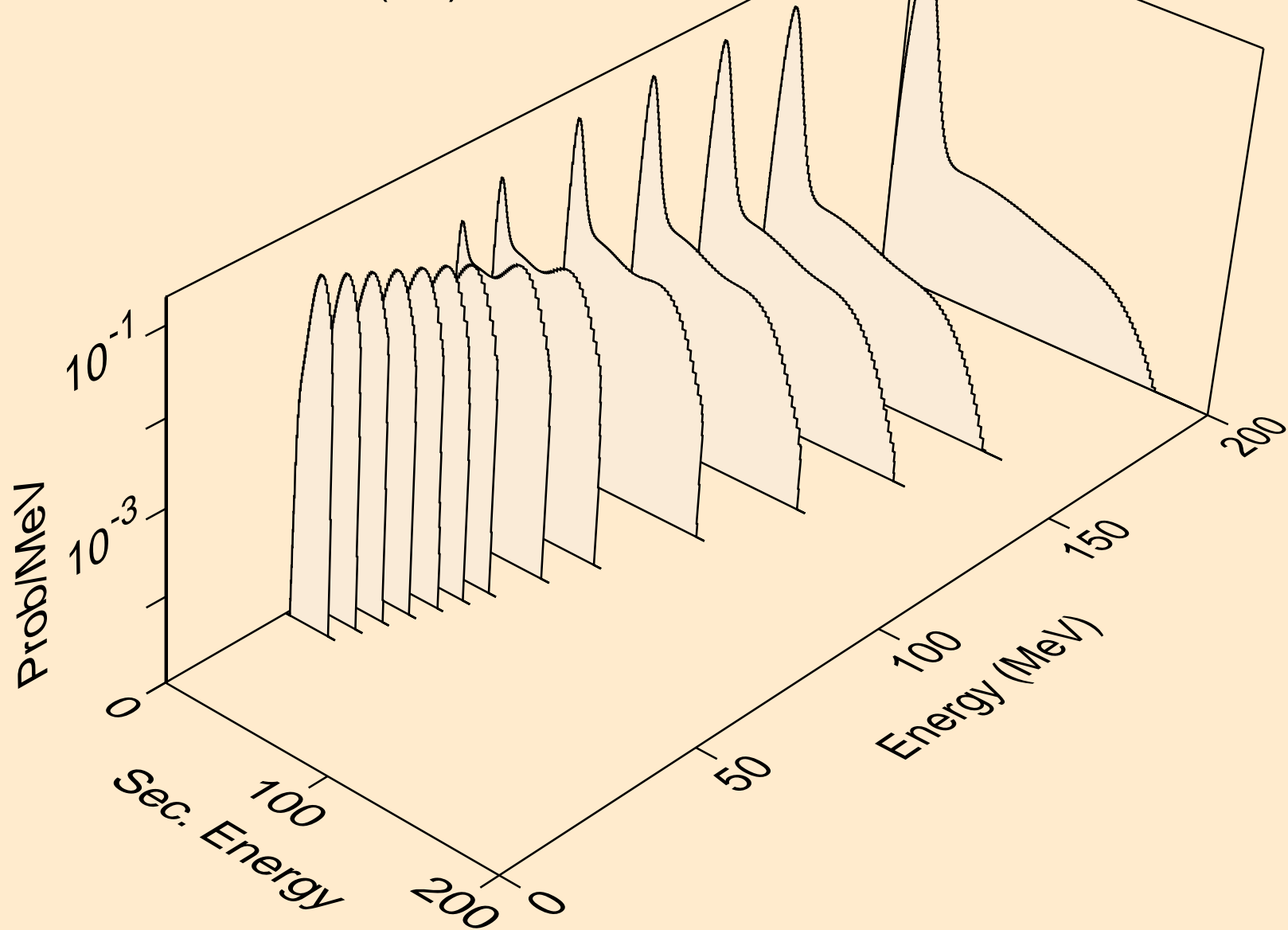
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pd)



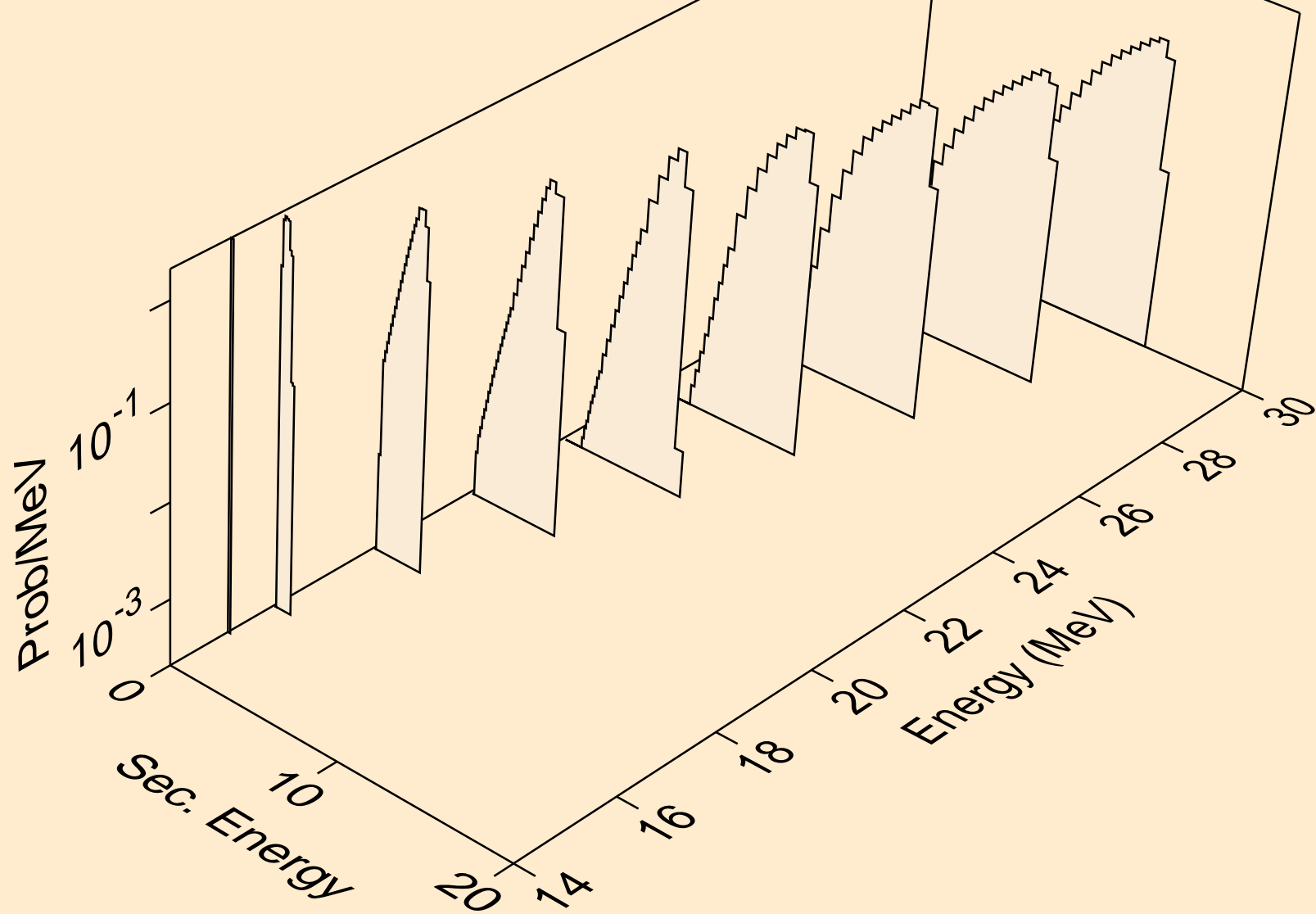
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pt)



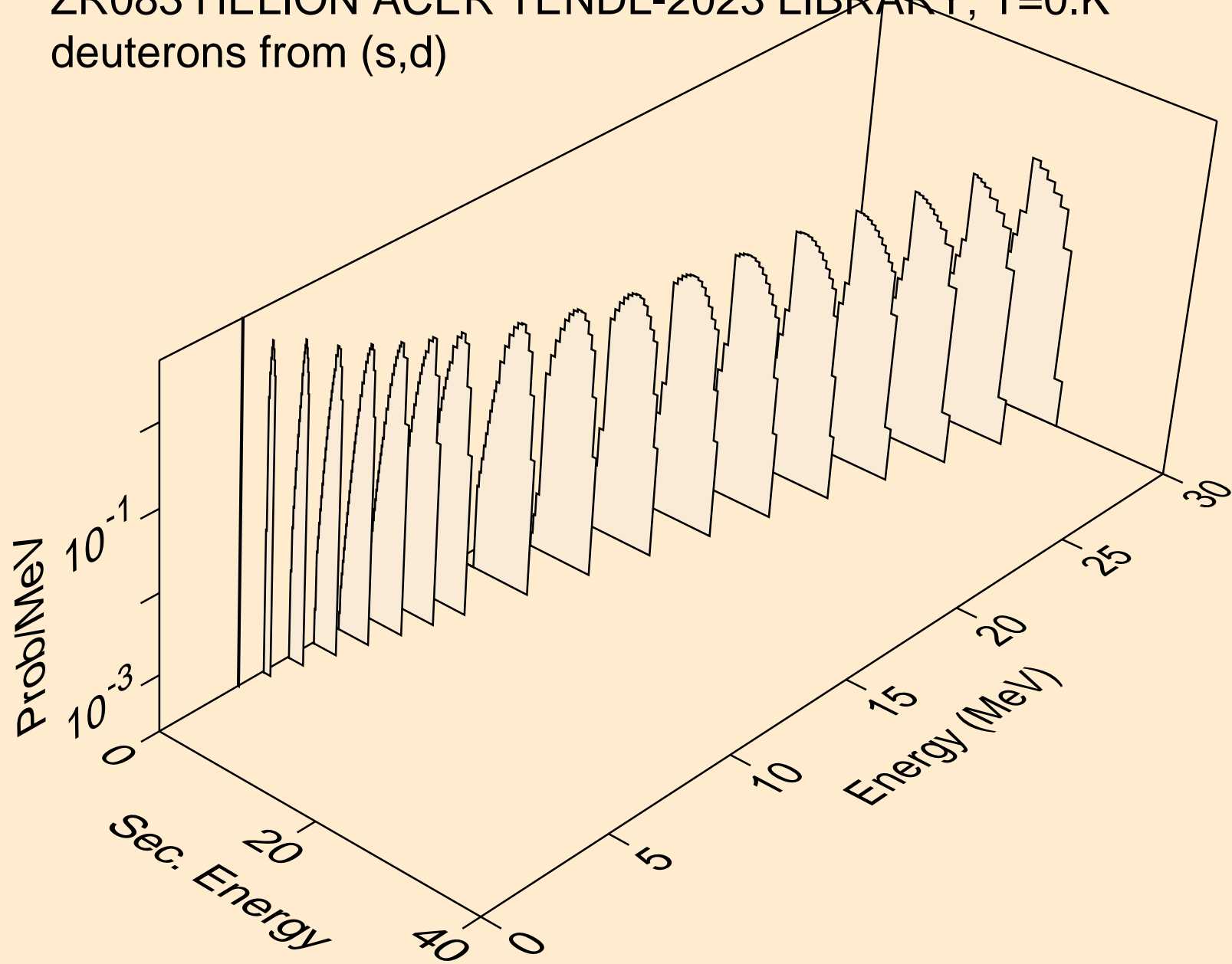
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,x)



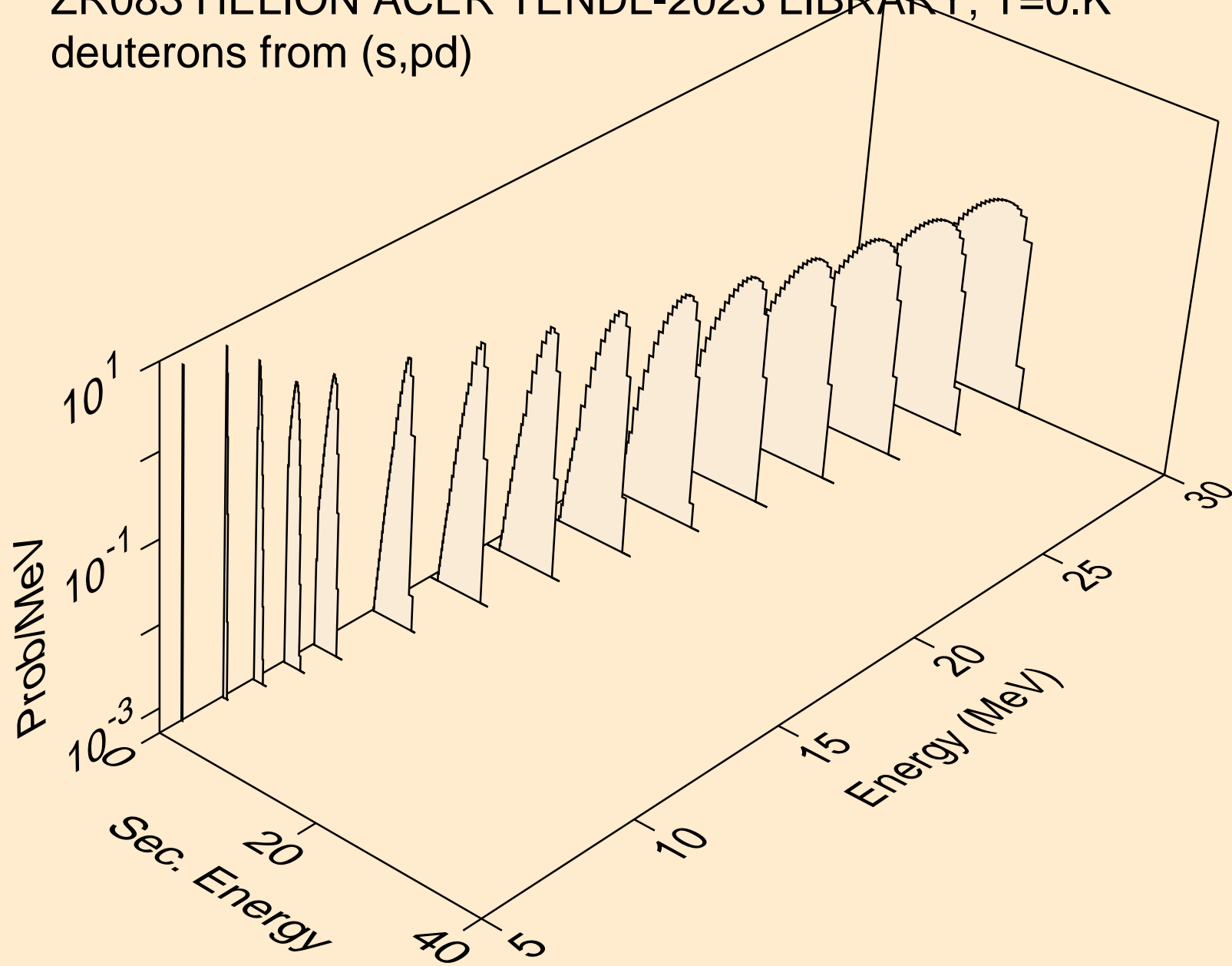
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,n*)d



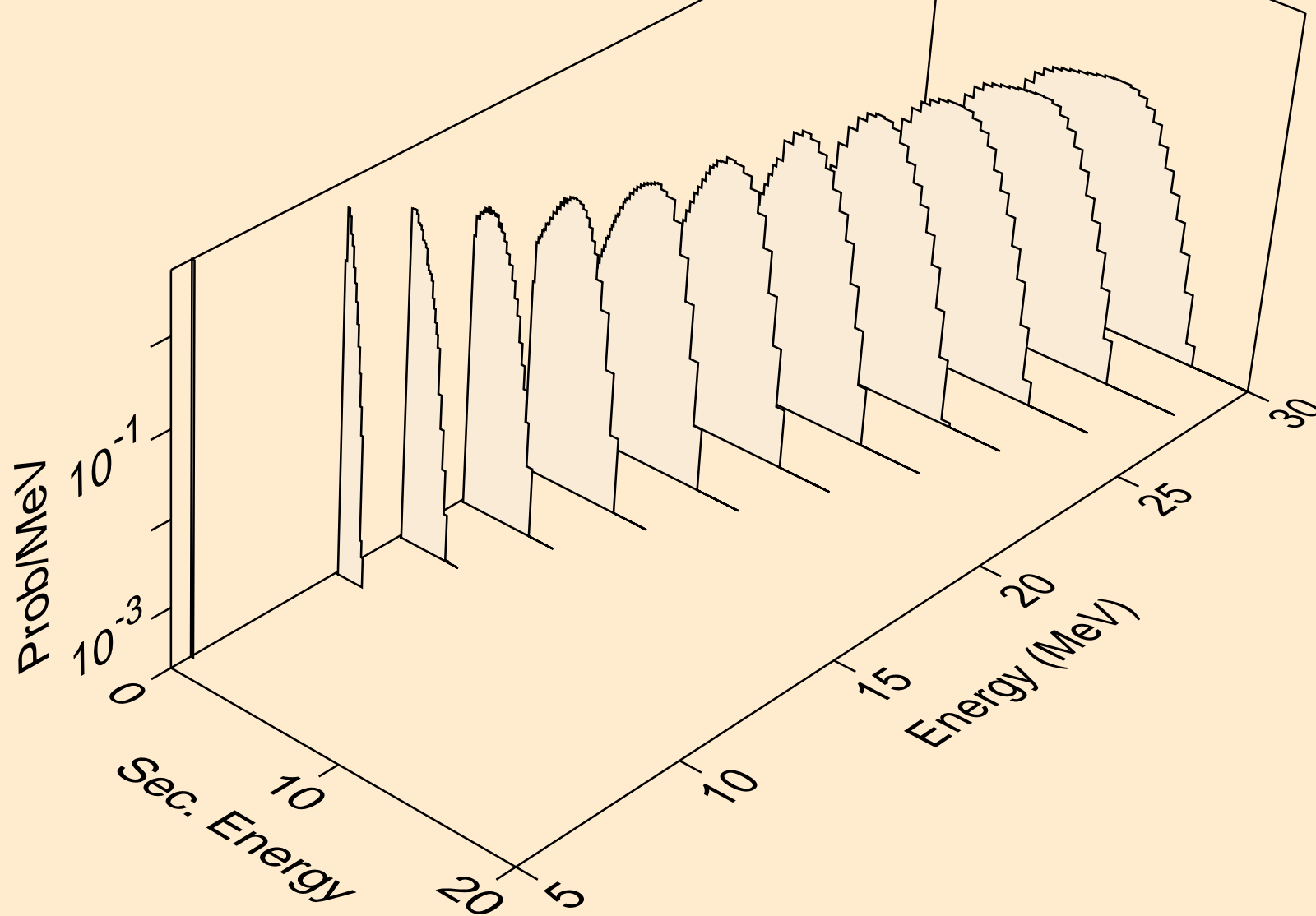
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,d)



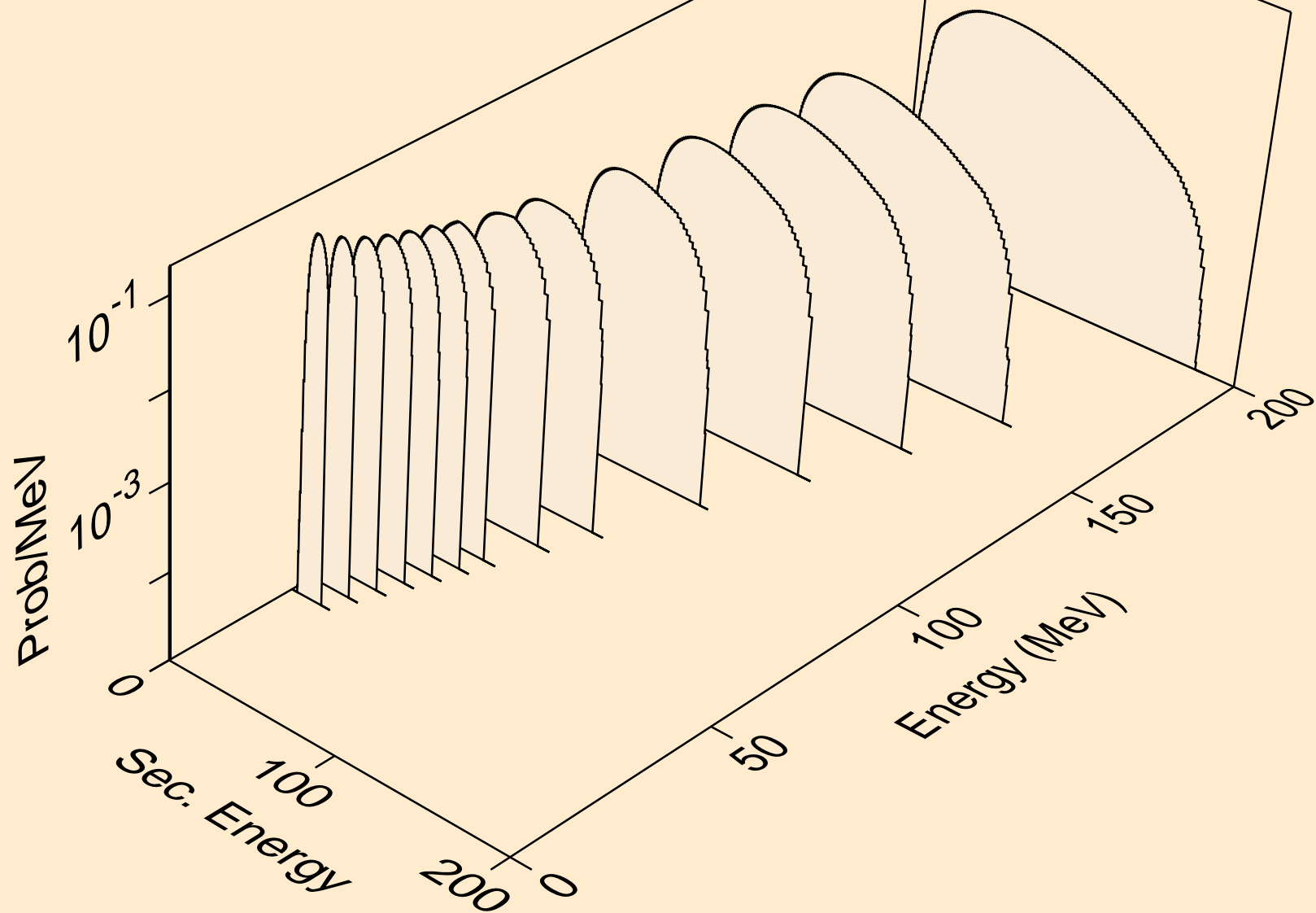
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,pd)



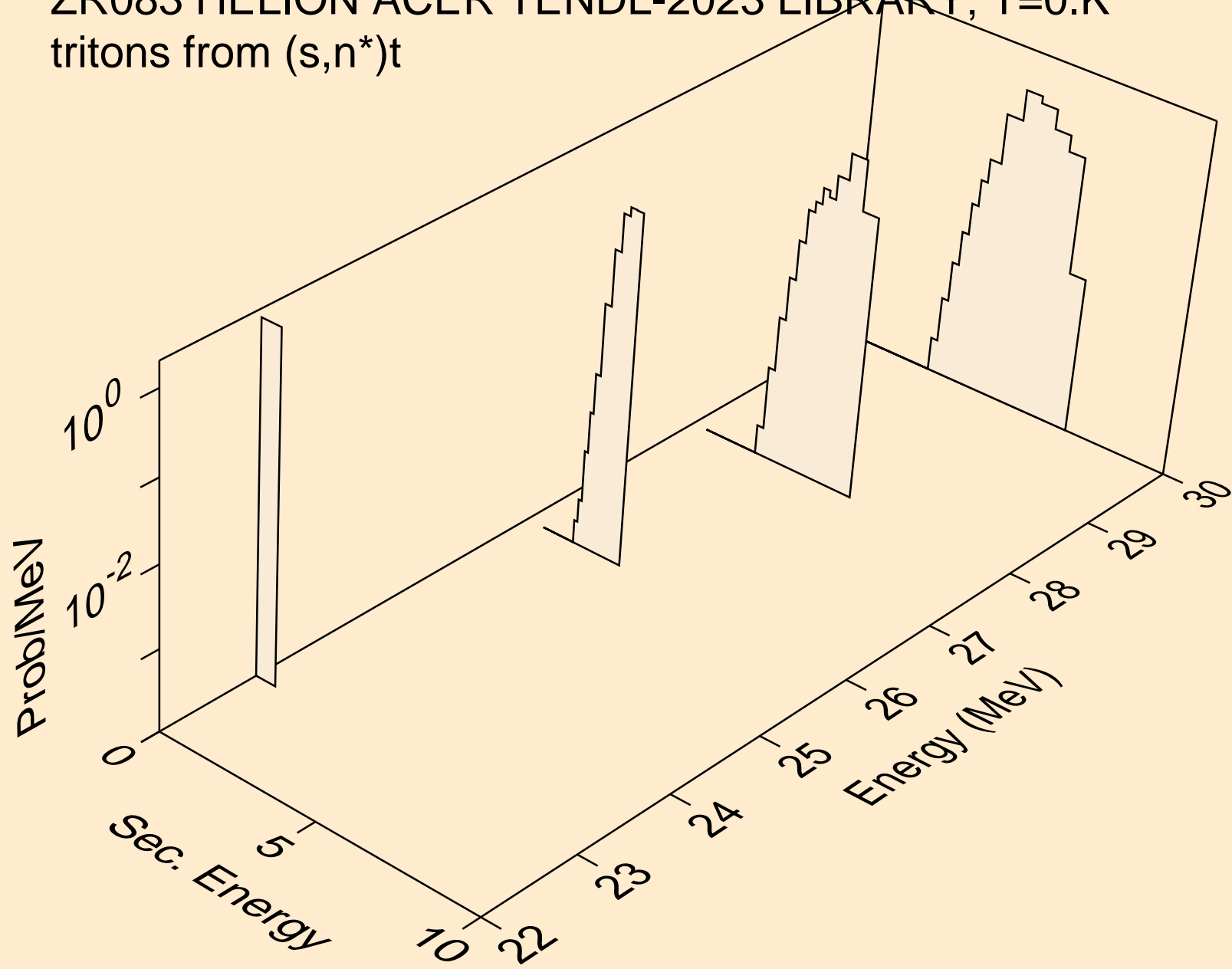
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,da)



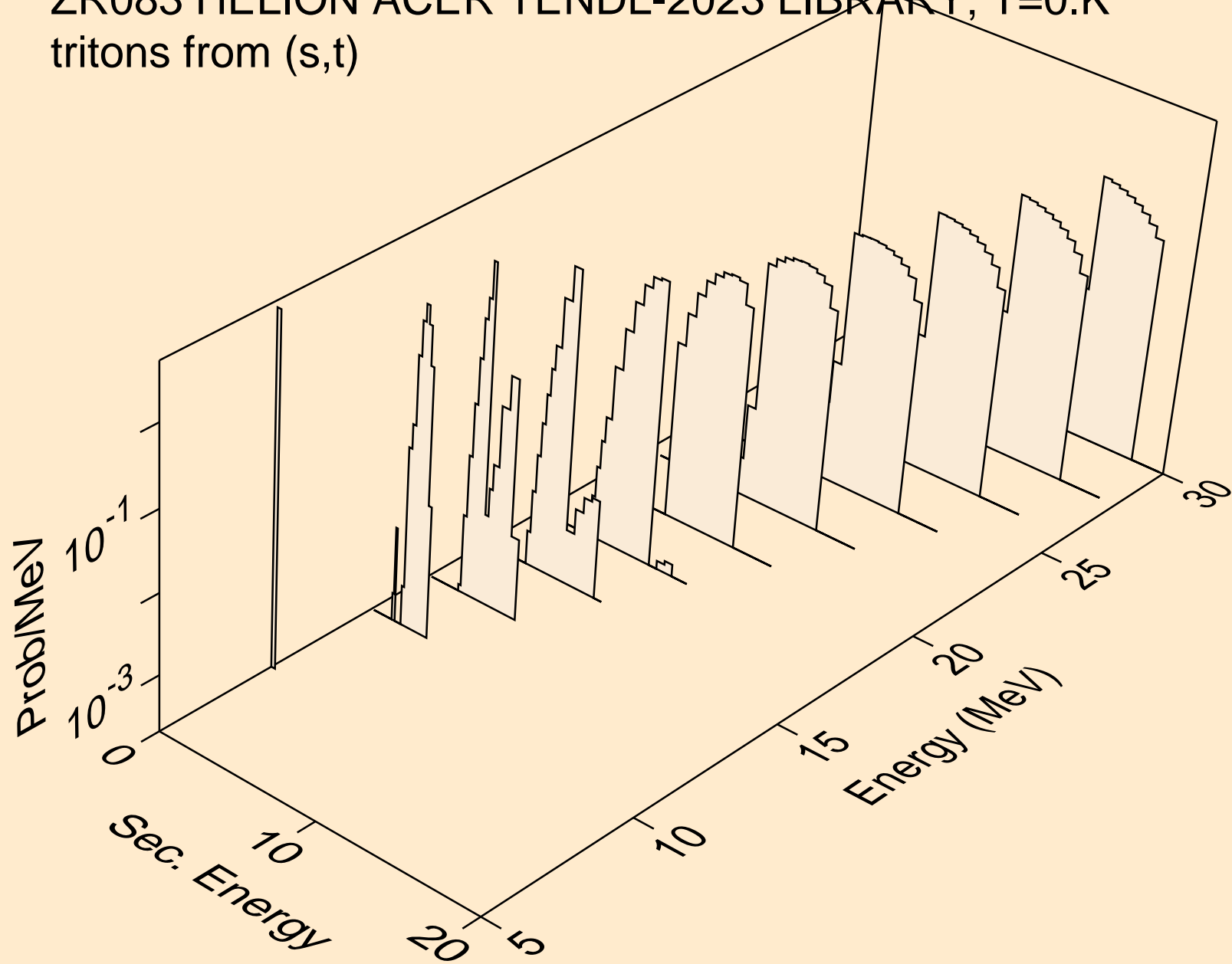
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,x)



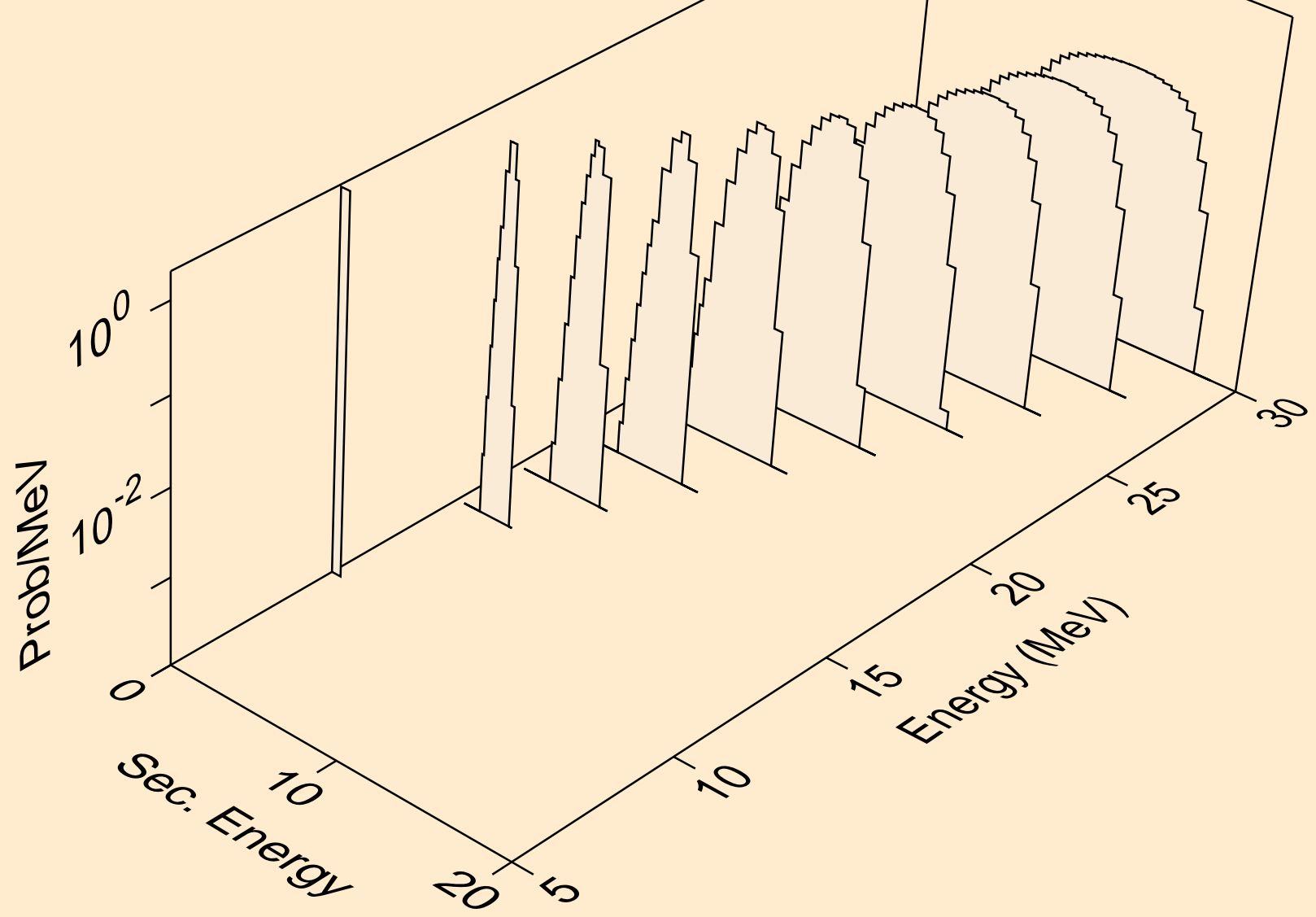
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,n*)t



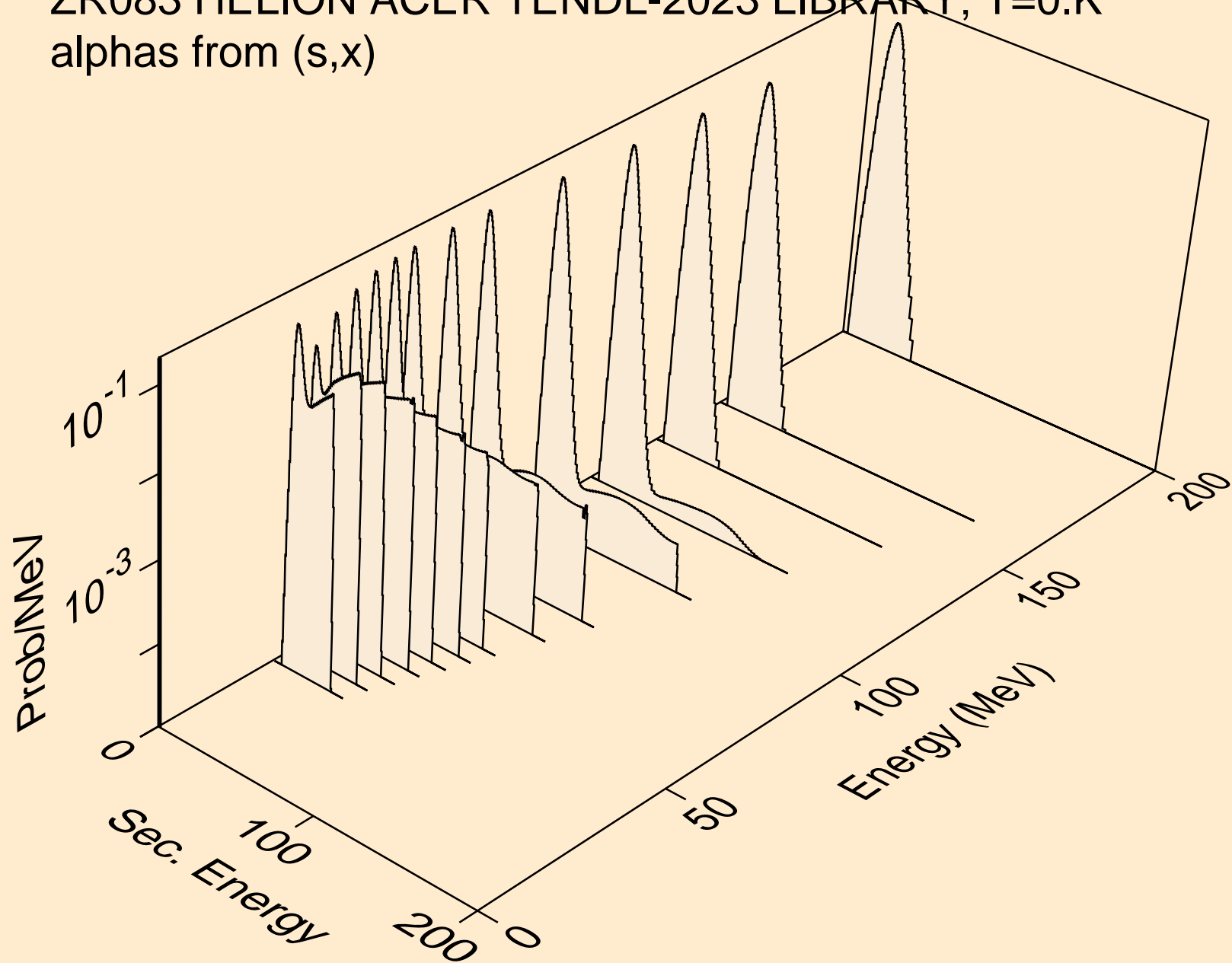
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,t)



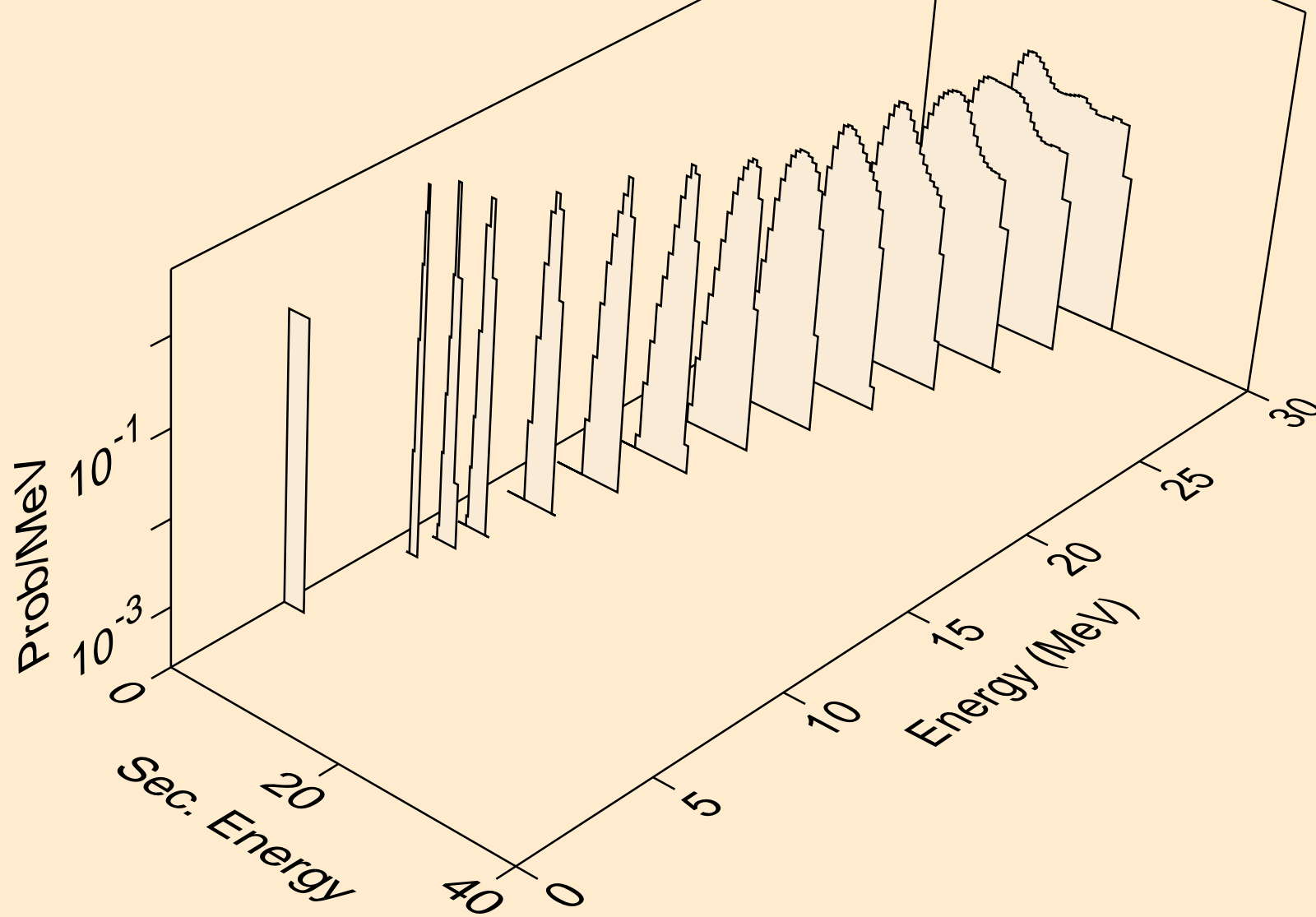
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,pt)



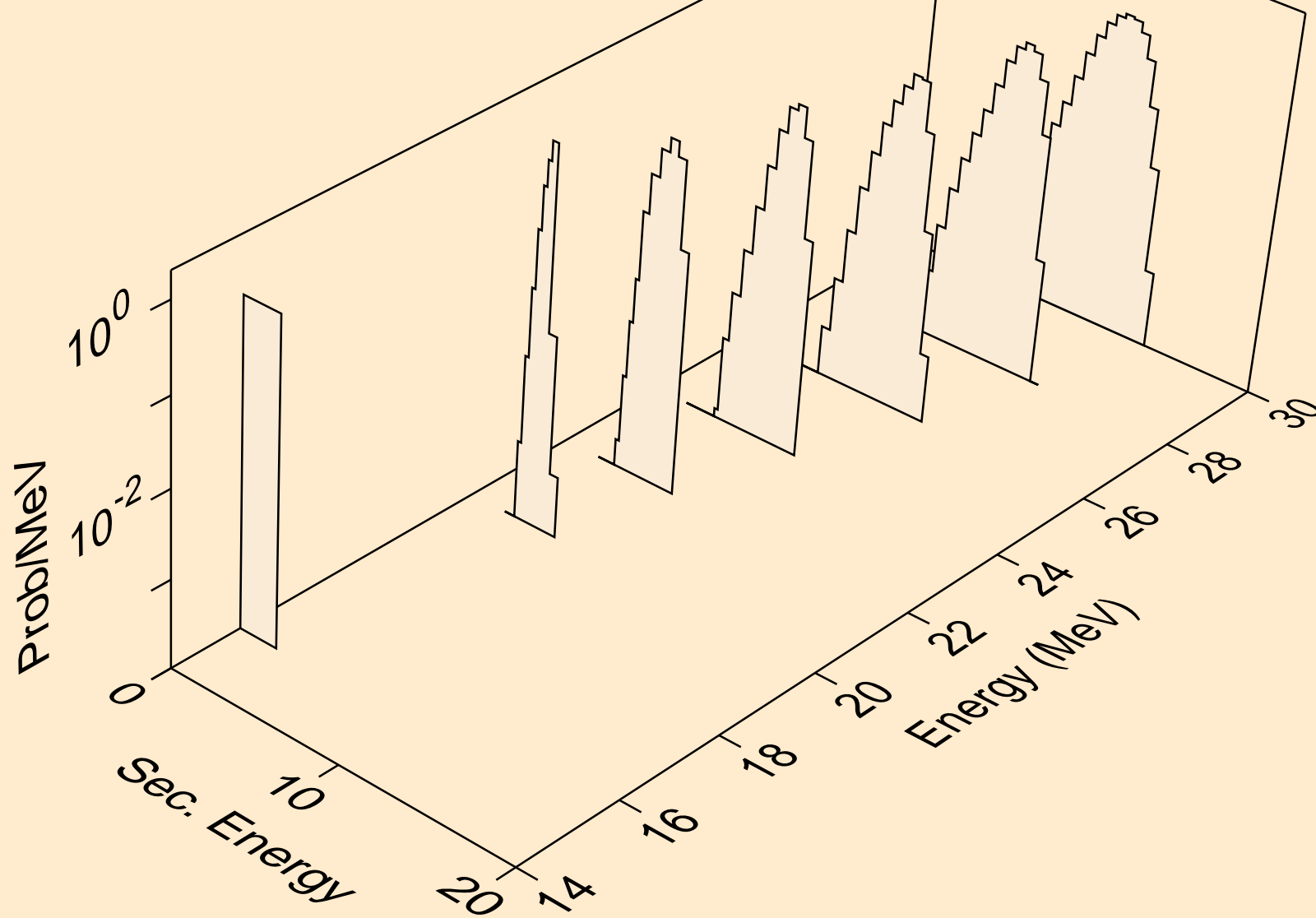
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,x)



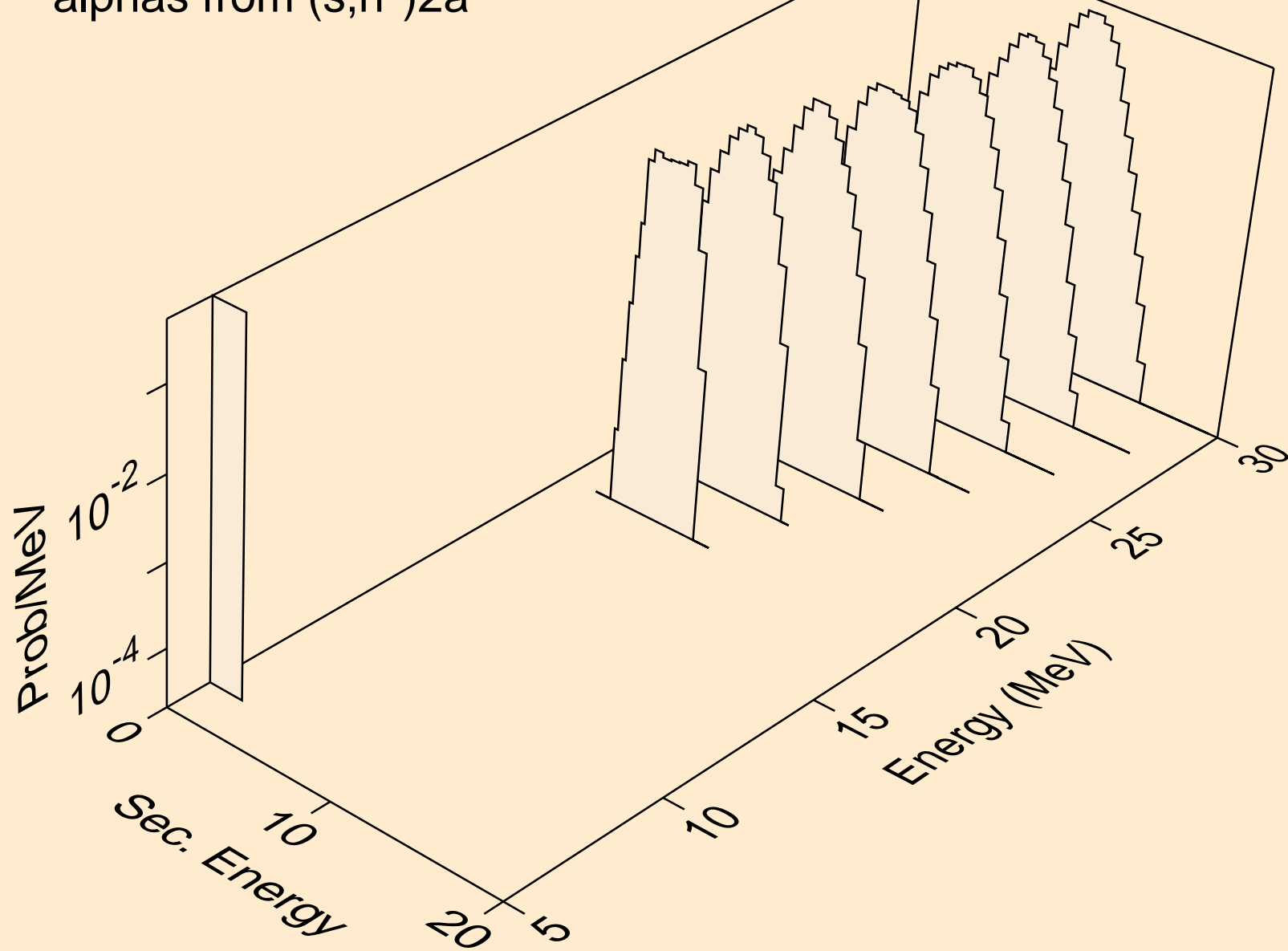
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,n*)a



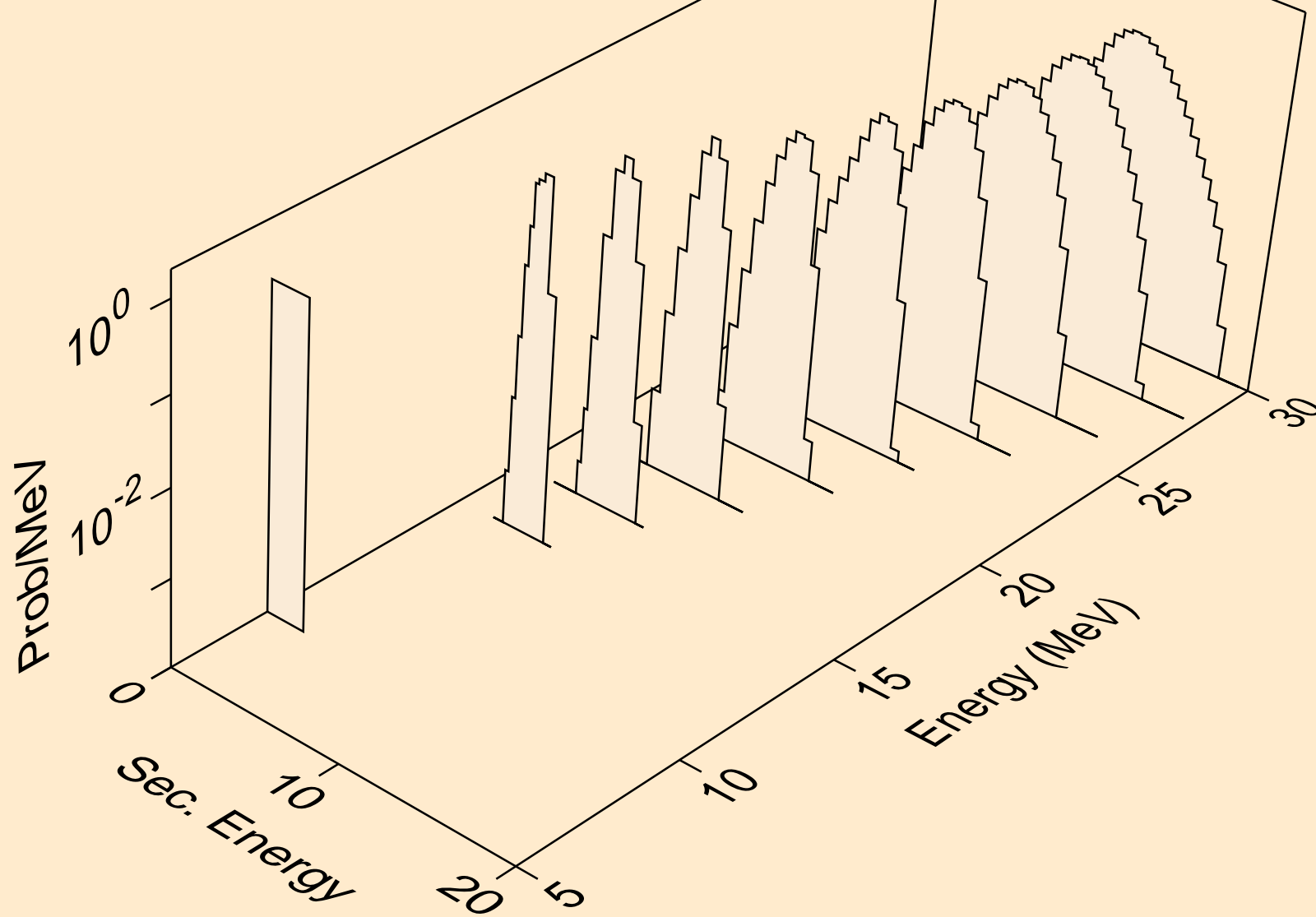
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,2n)a



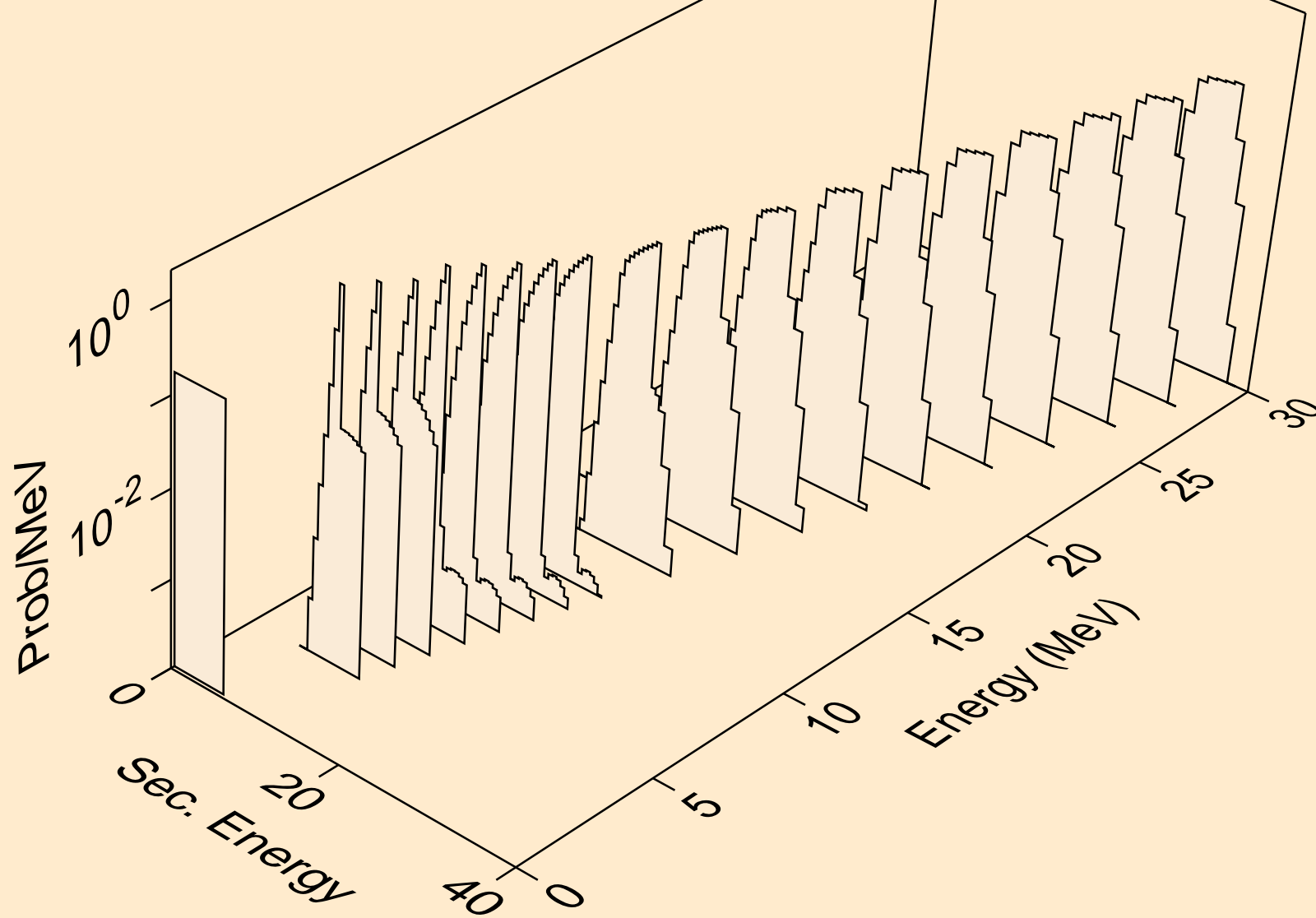
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,n*)2a



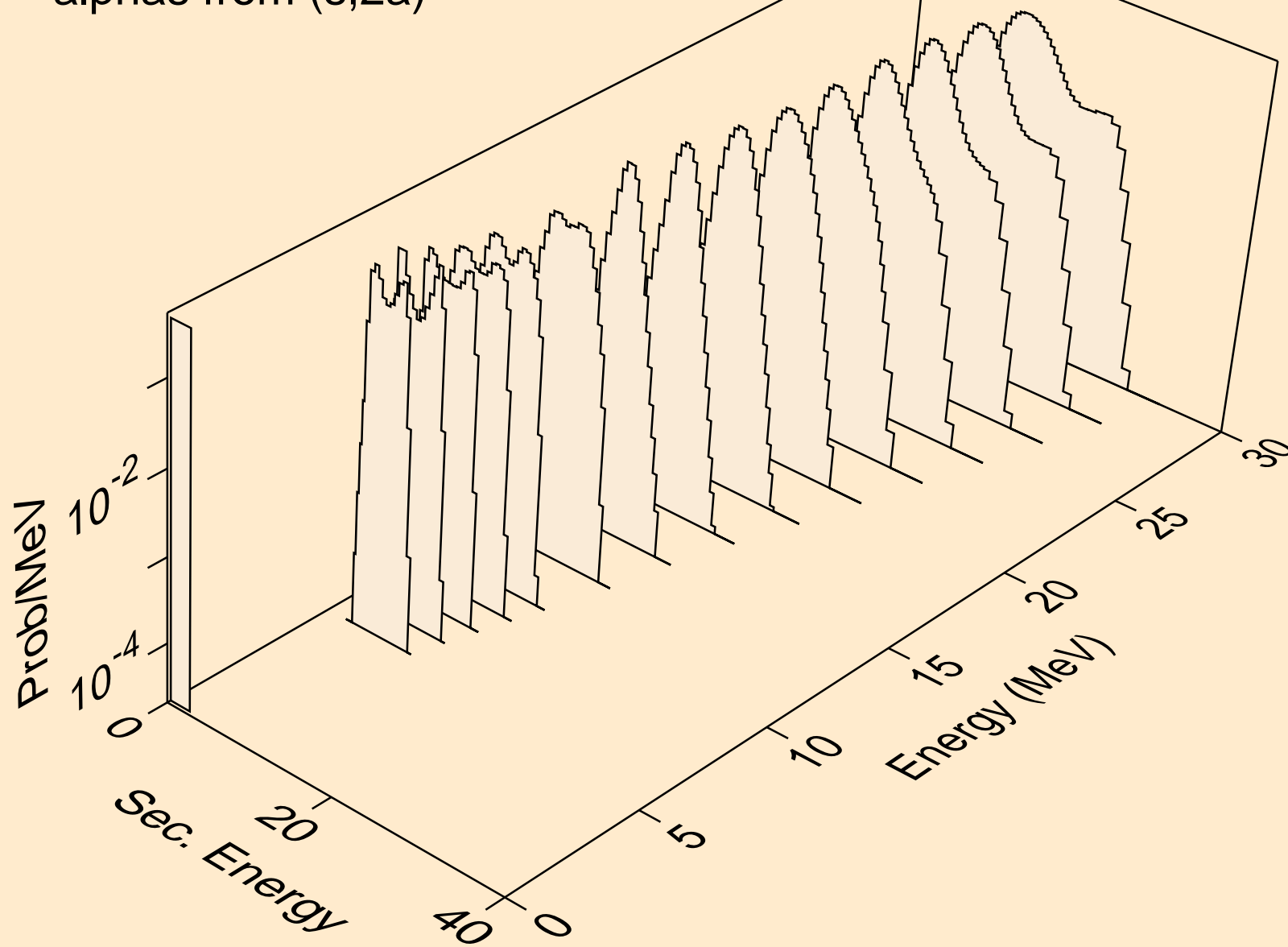
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,npa)



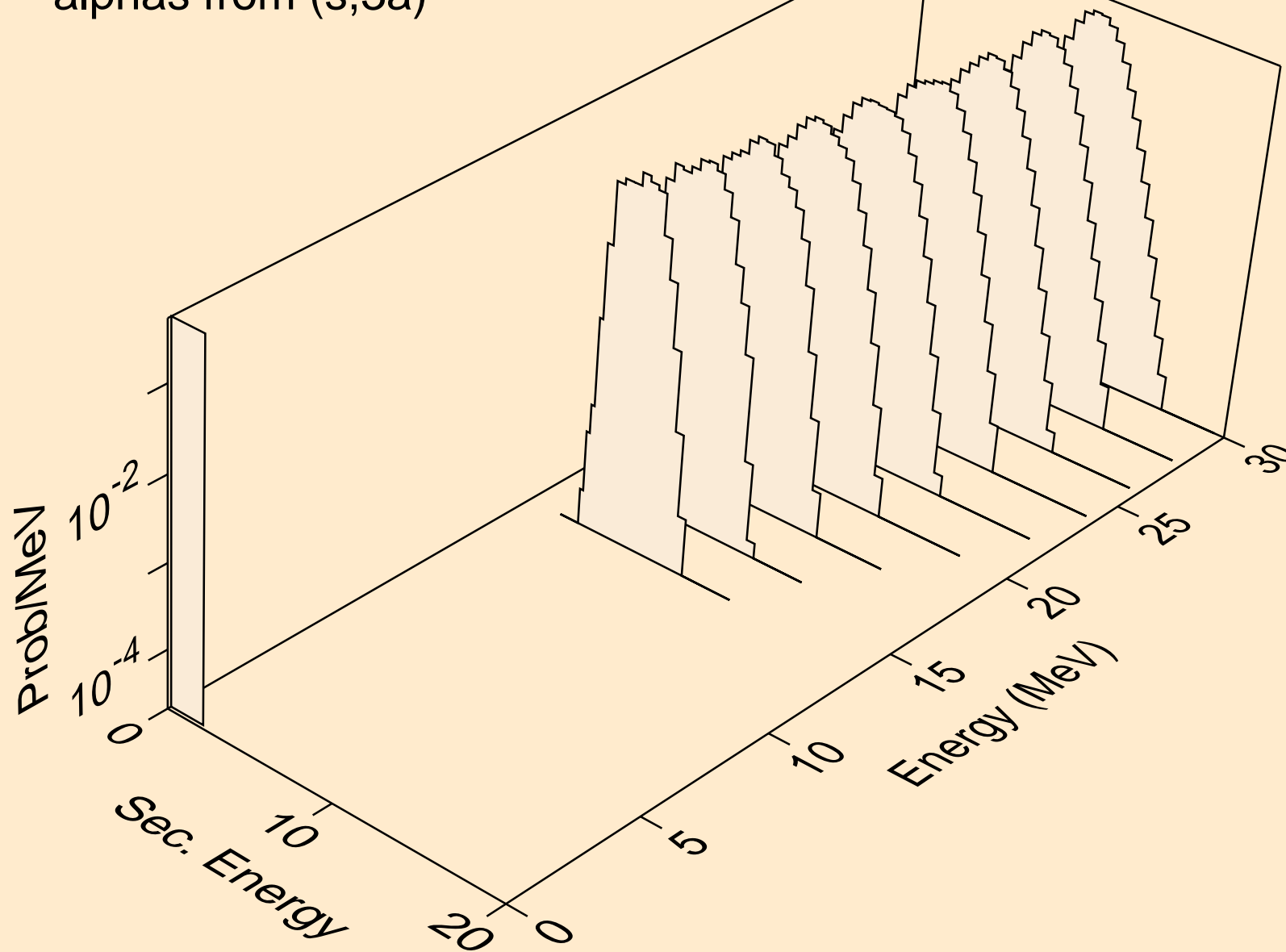
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,a)



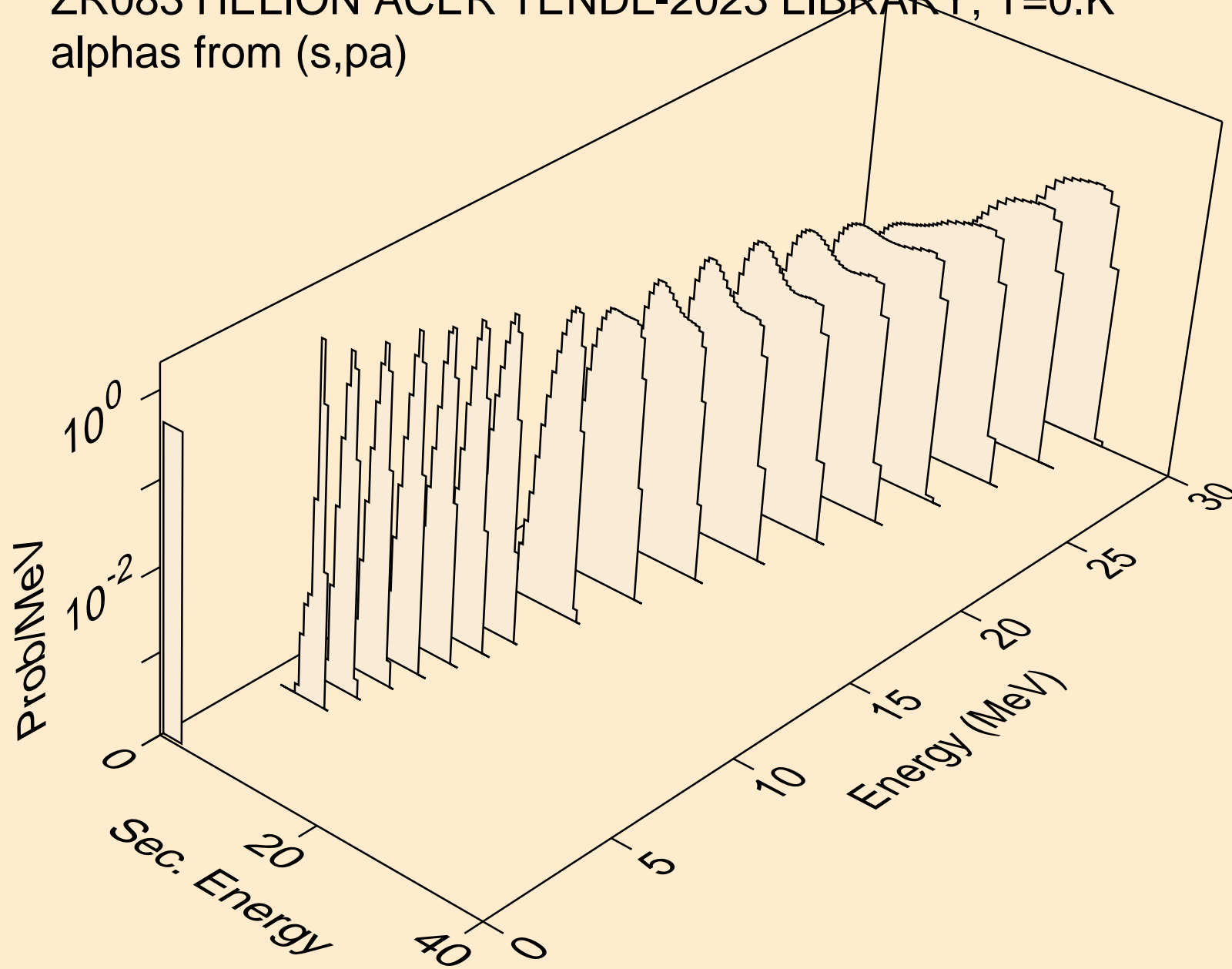
ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,2a)



ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,3a)



ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,pa)



ZR083 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,da)

