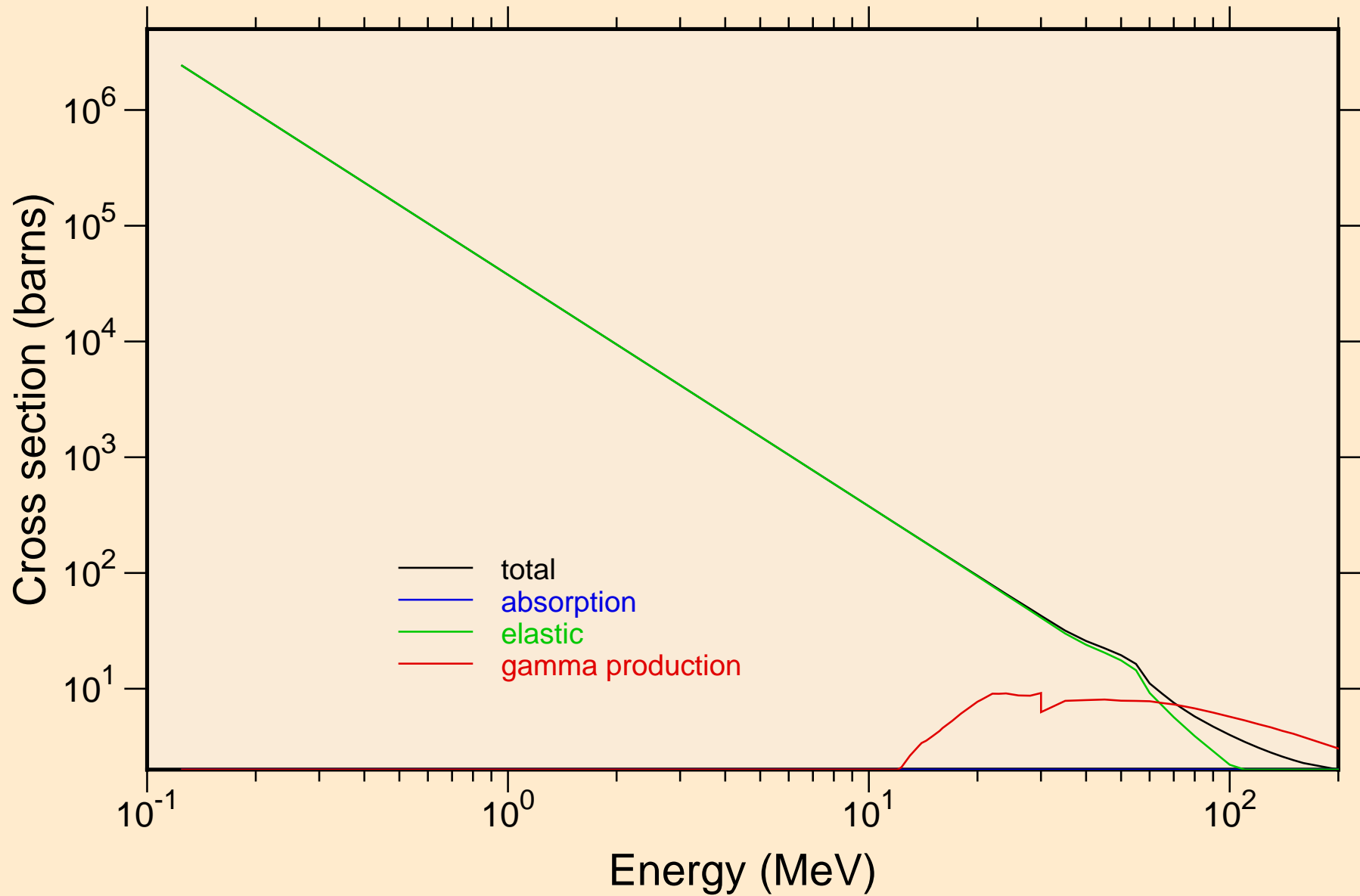
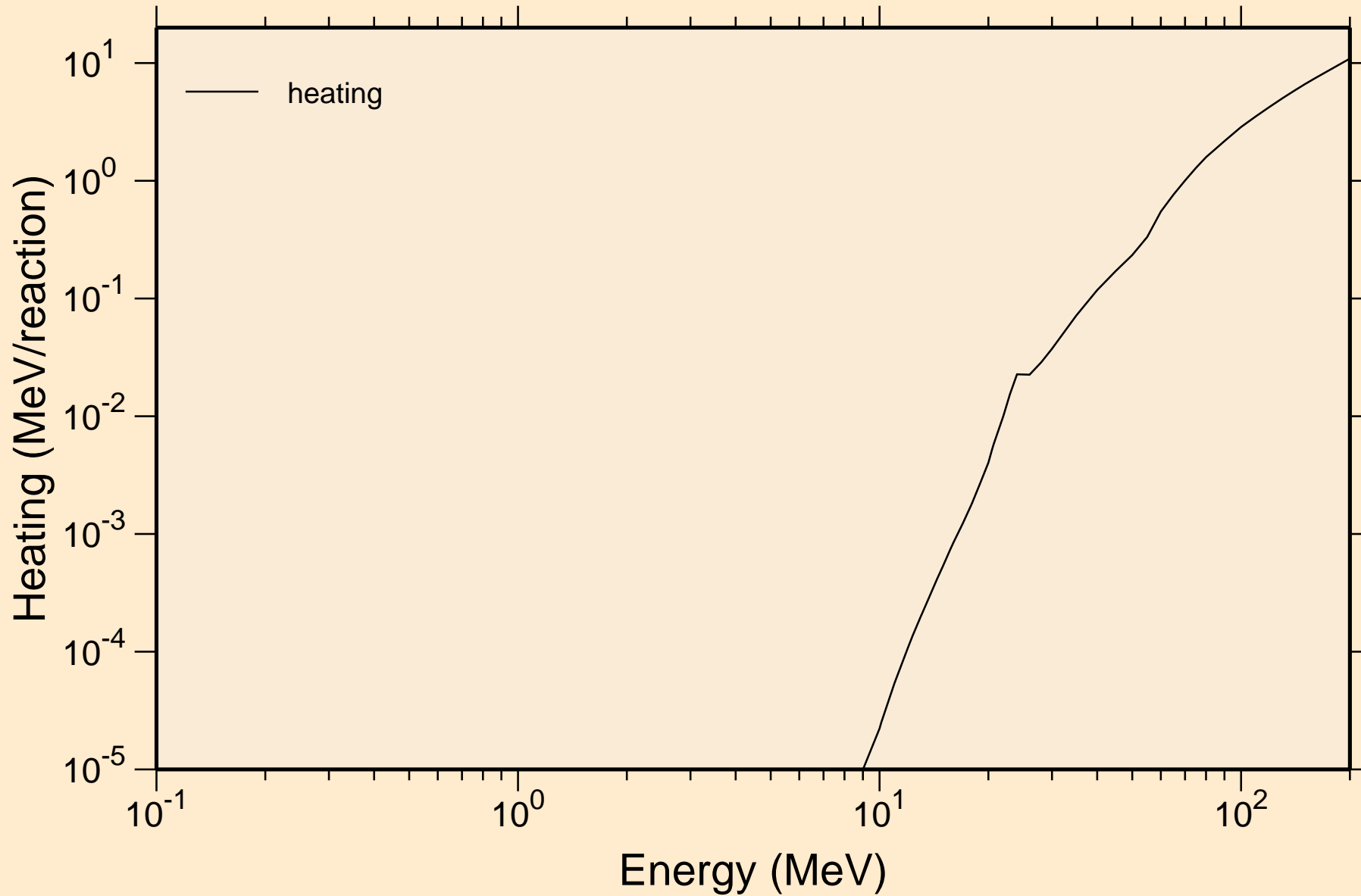


PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



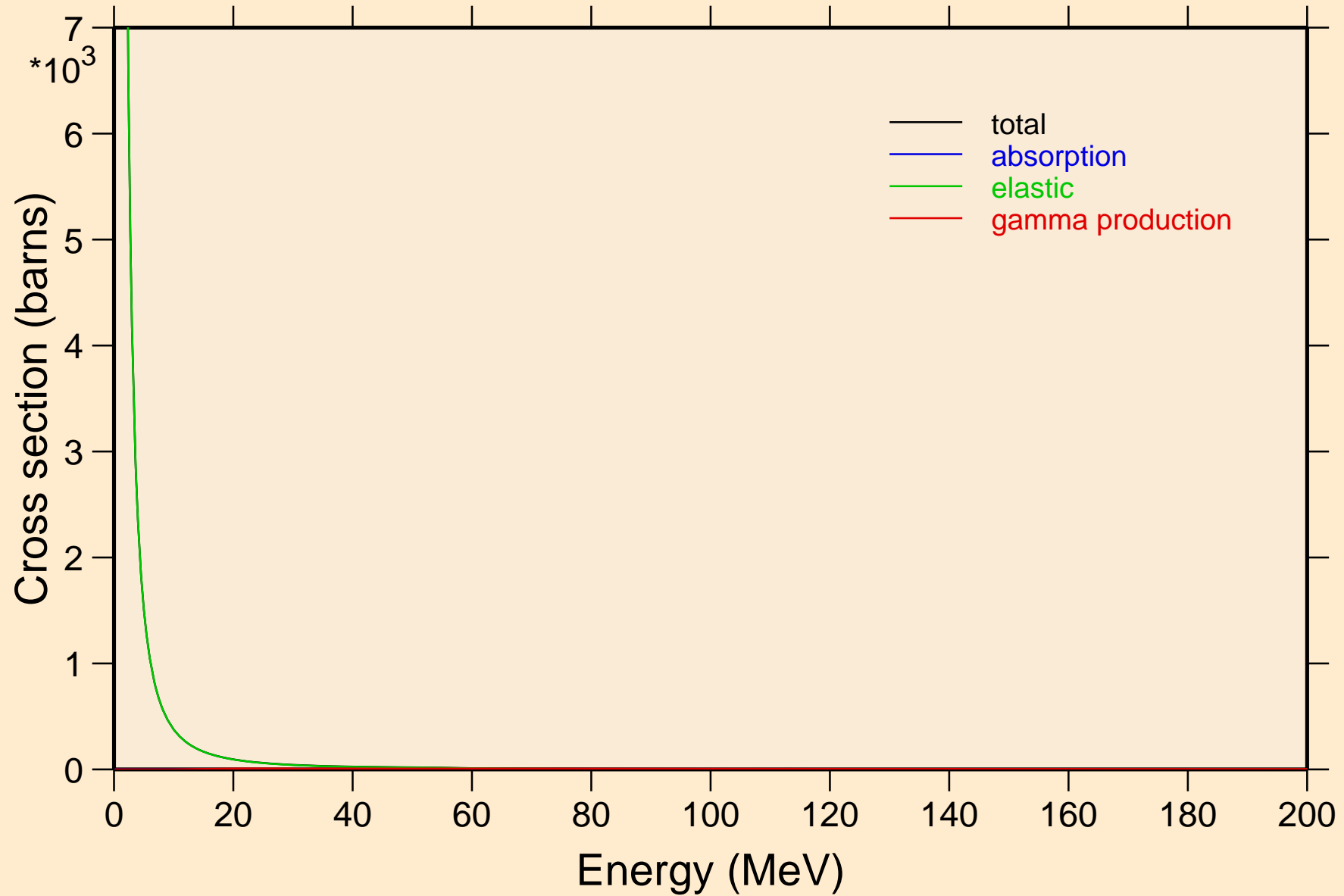
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



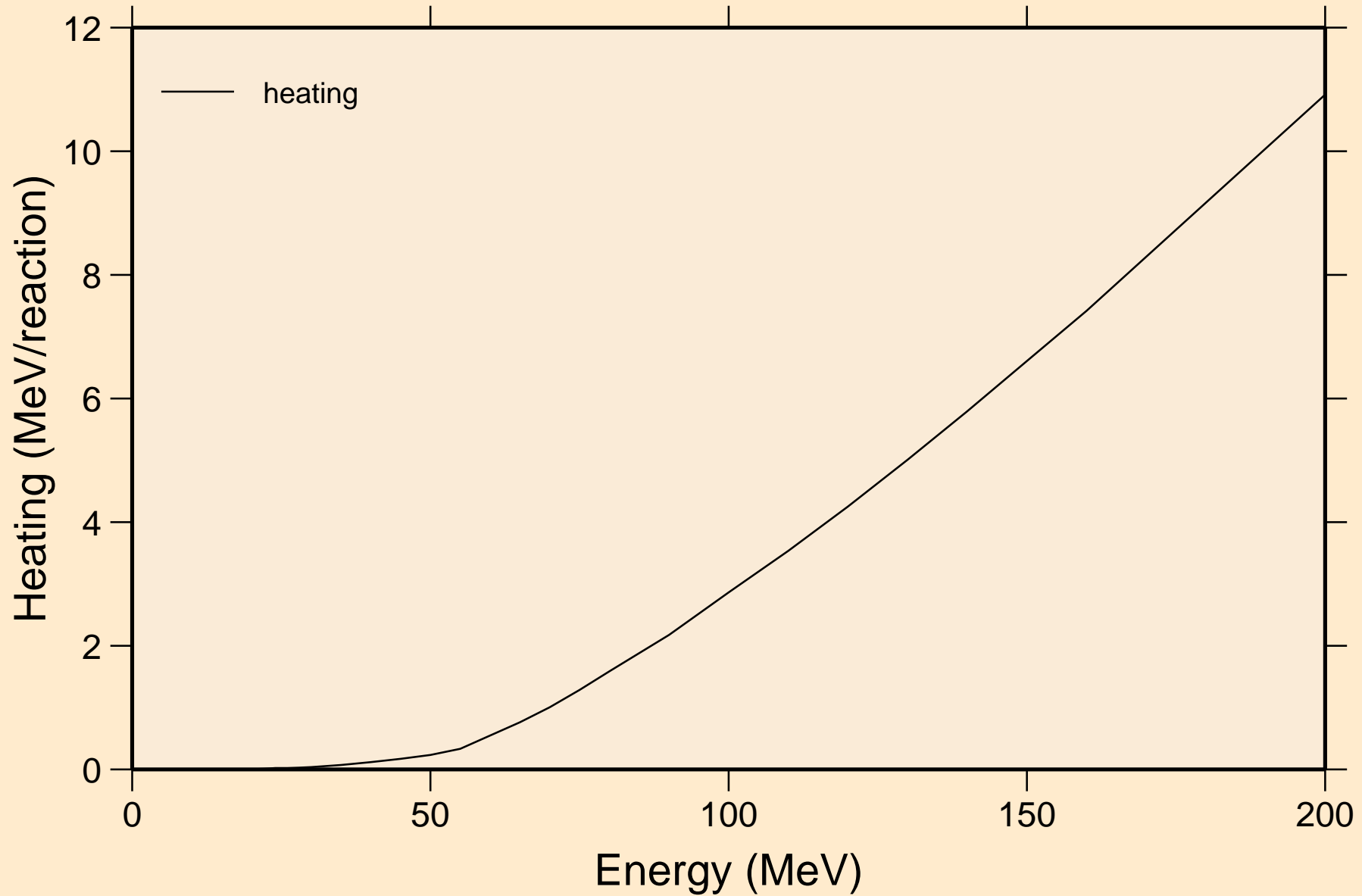
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



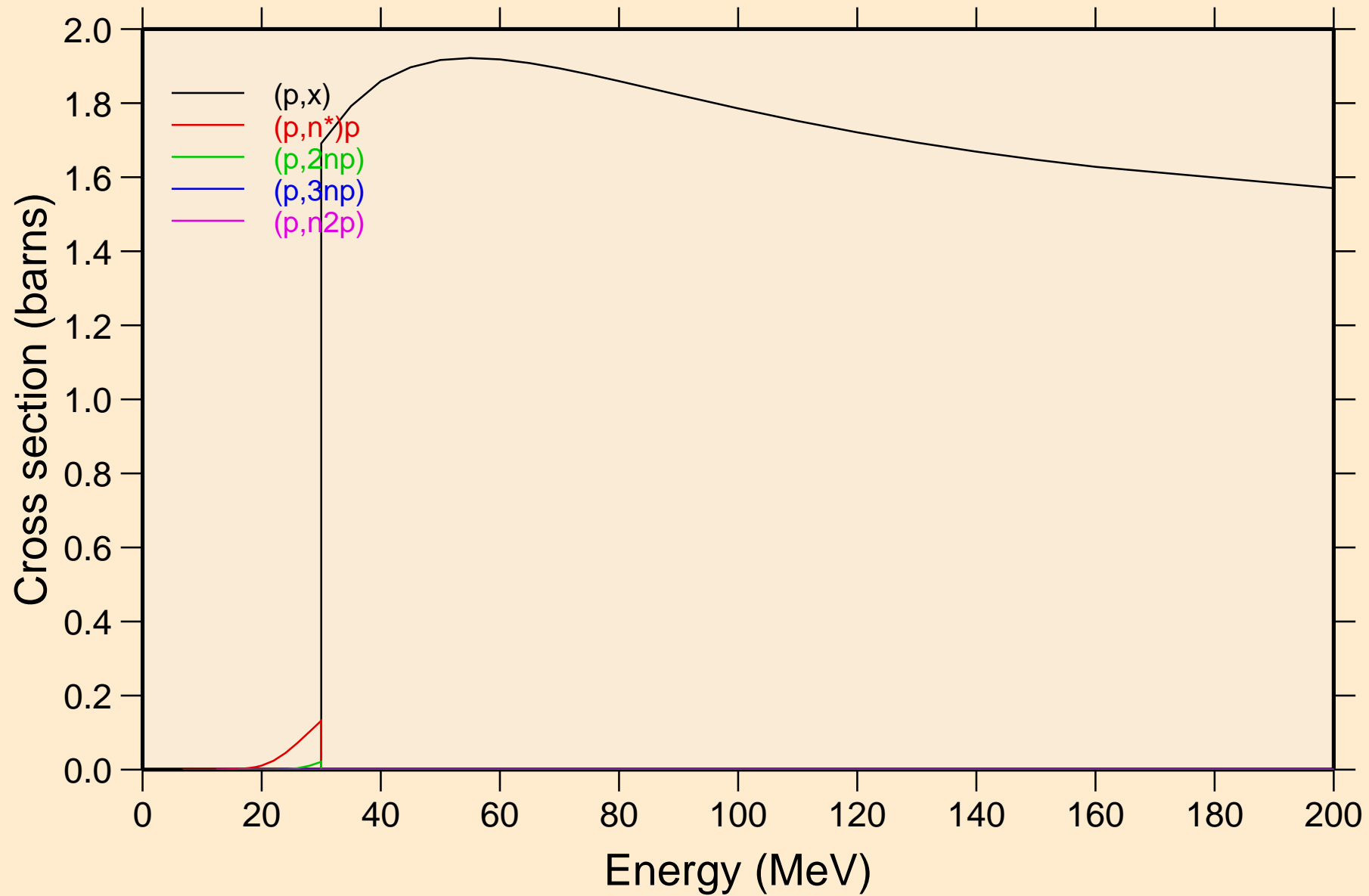
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

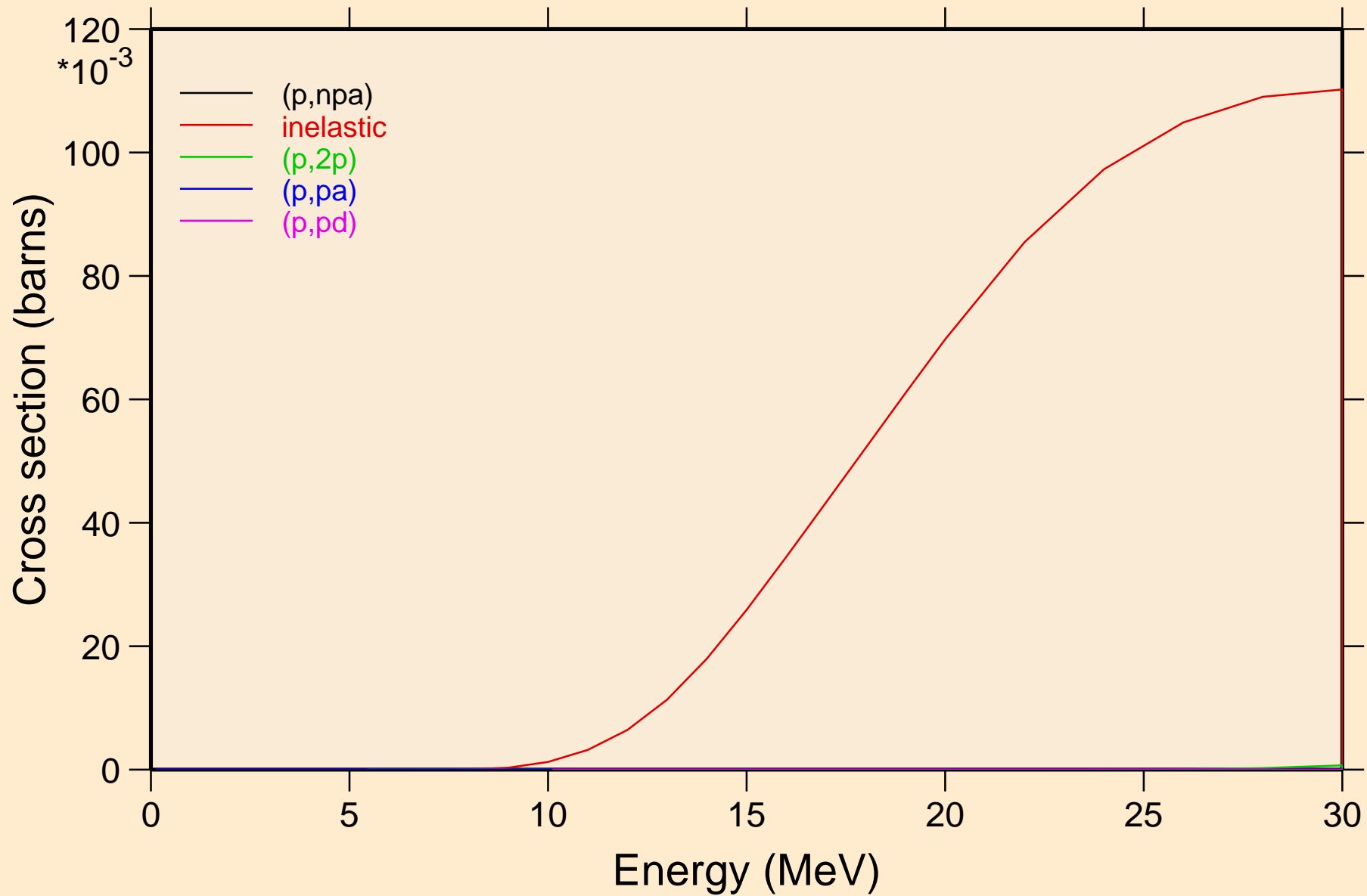


PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K

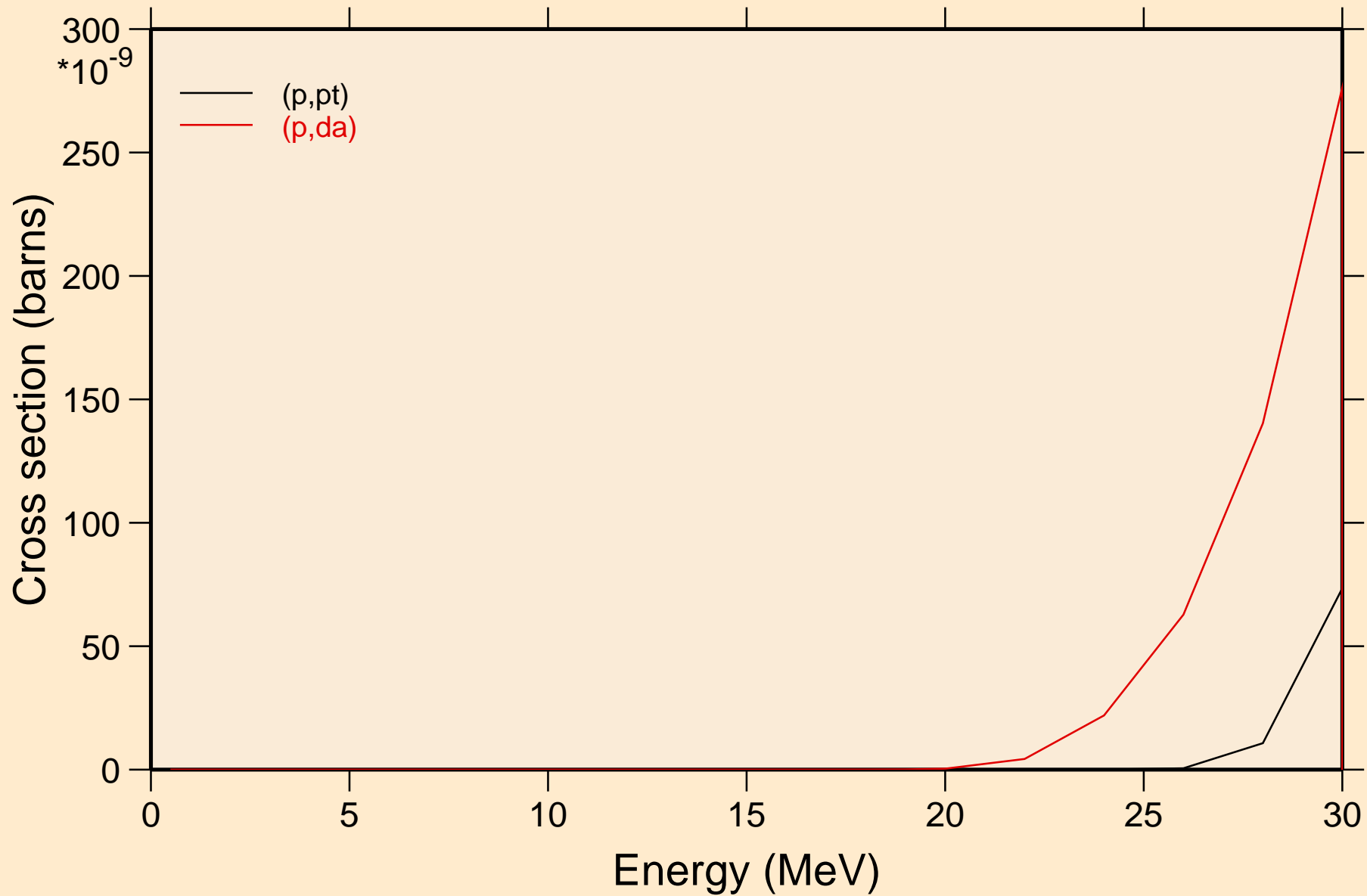
Threshold reactions



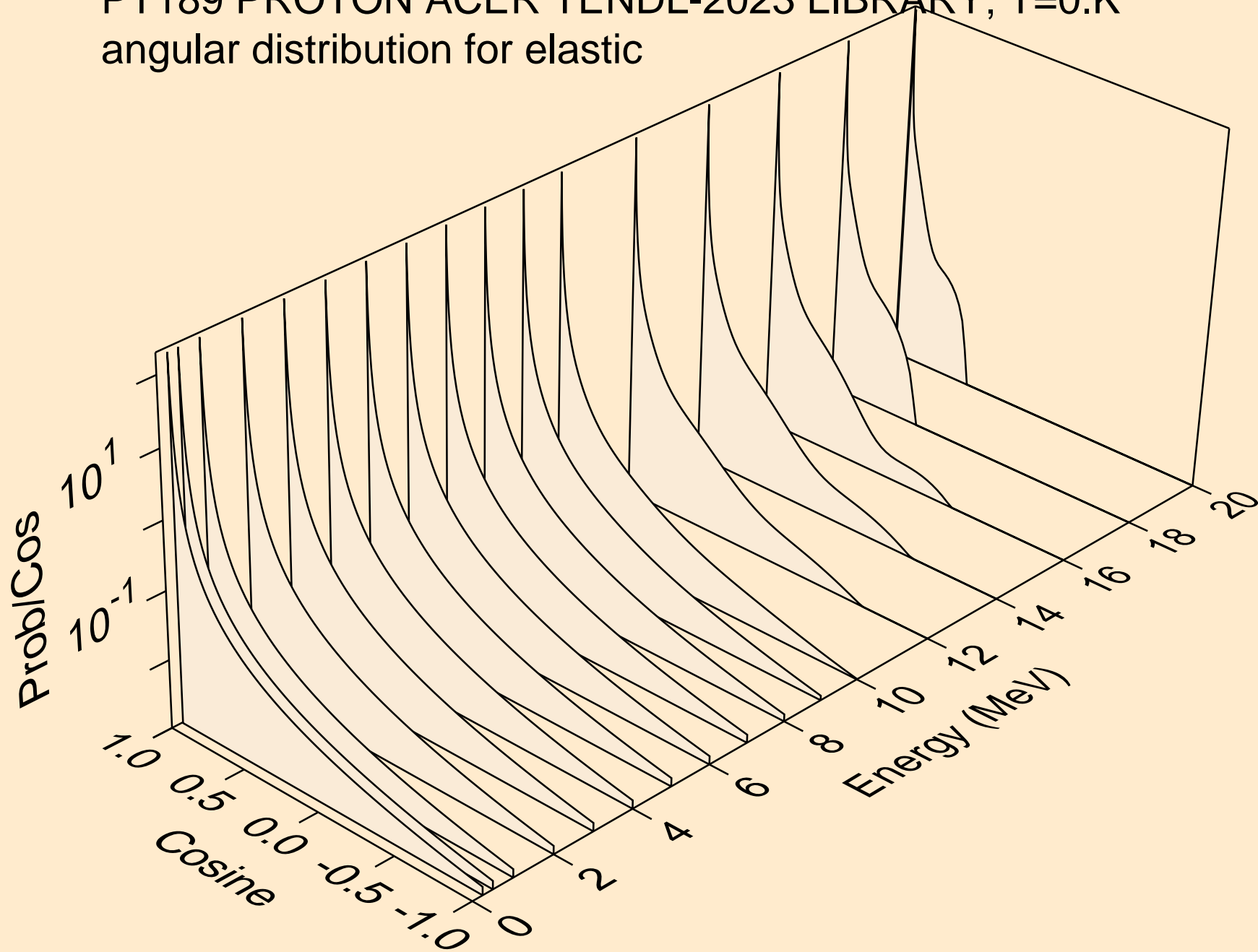
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



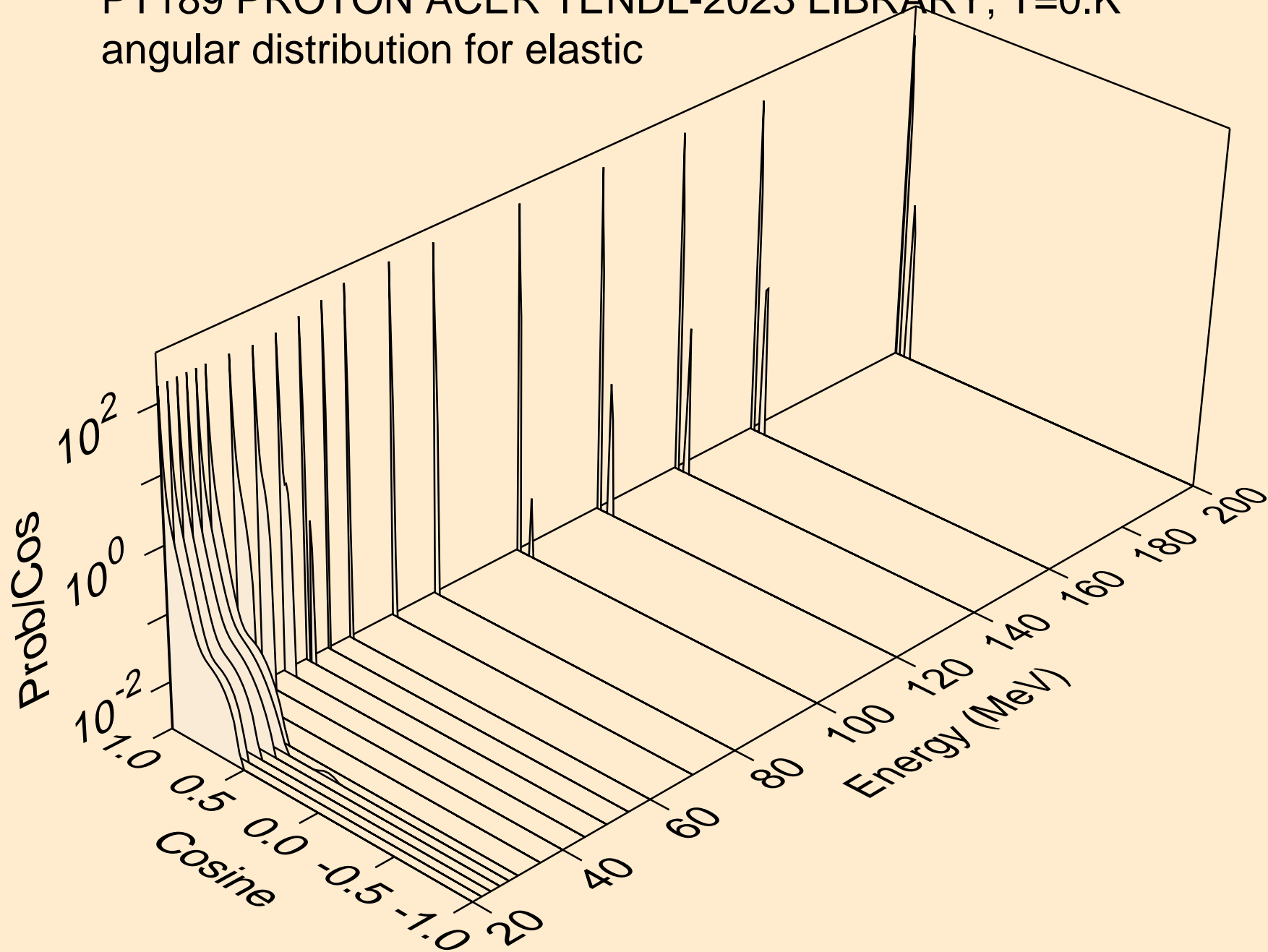
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



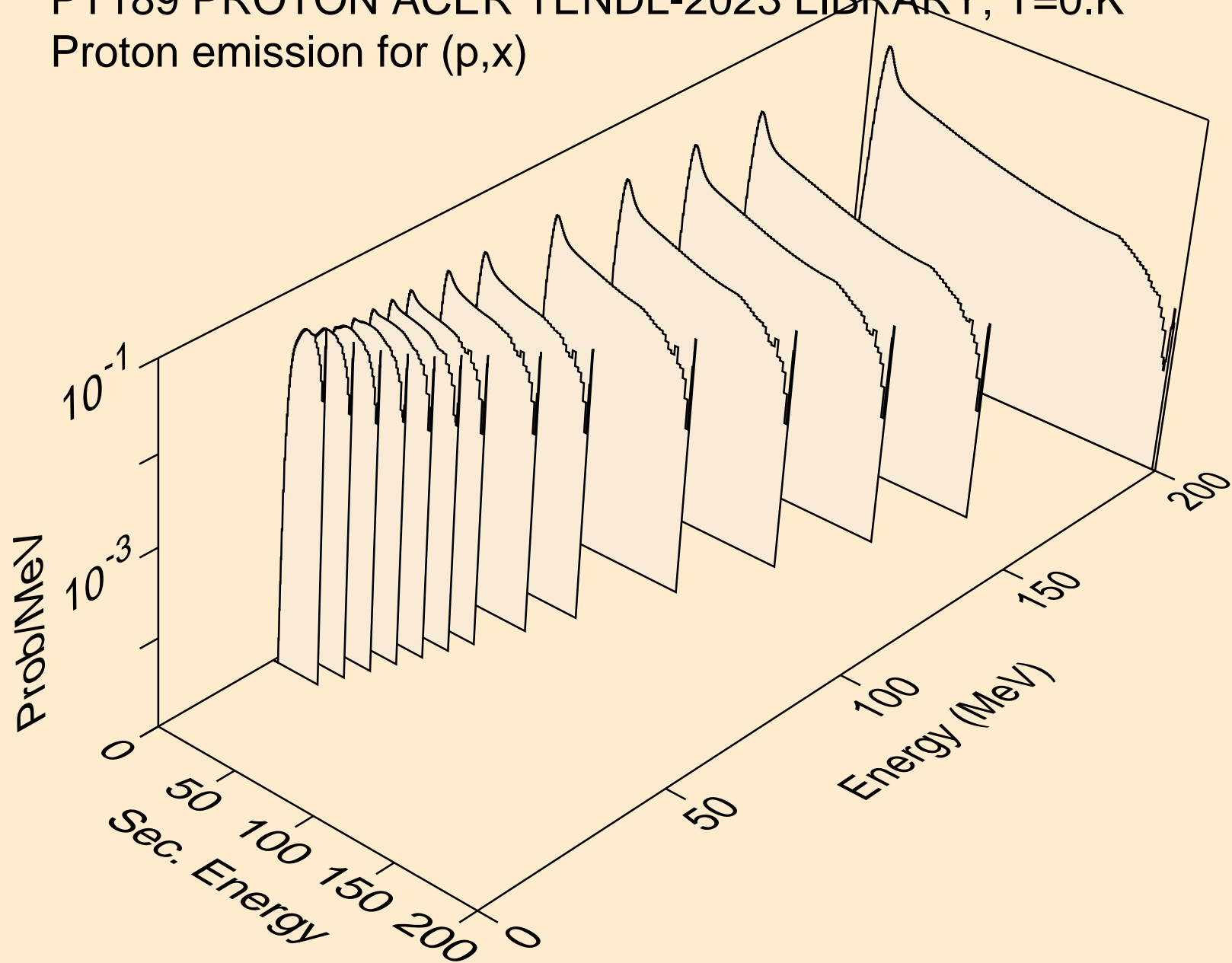
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



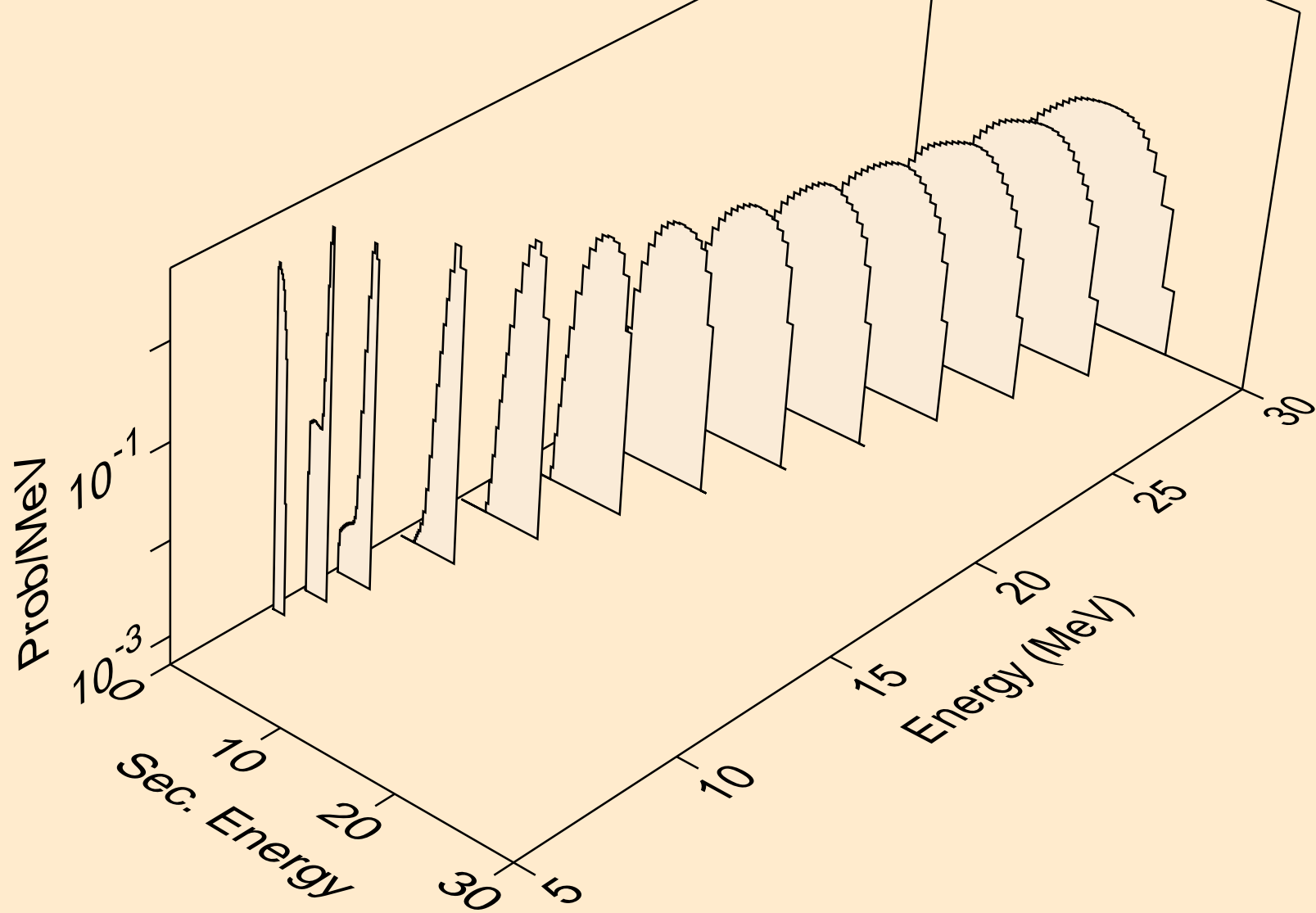
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



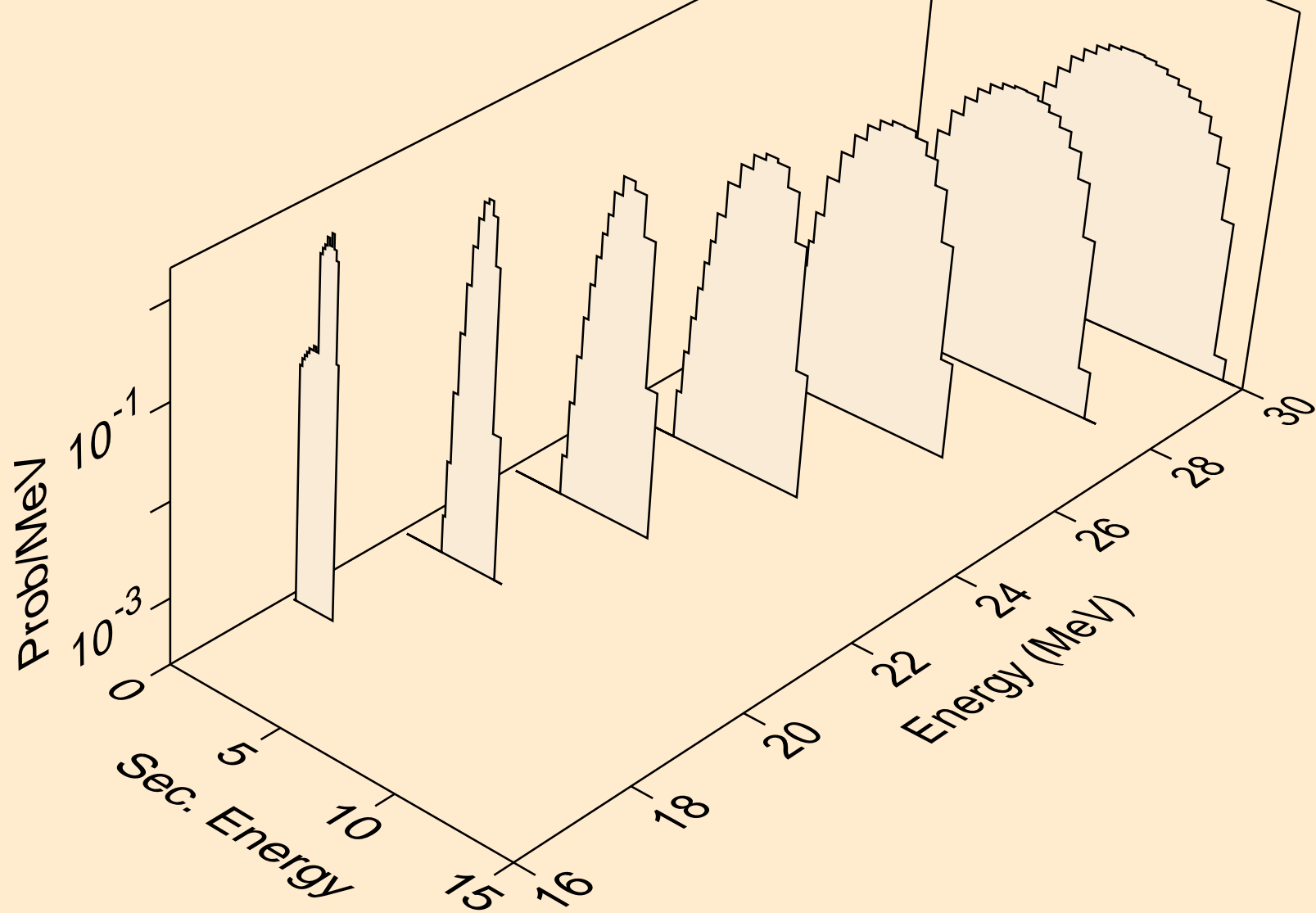
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,x)



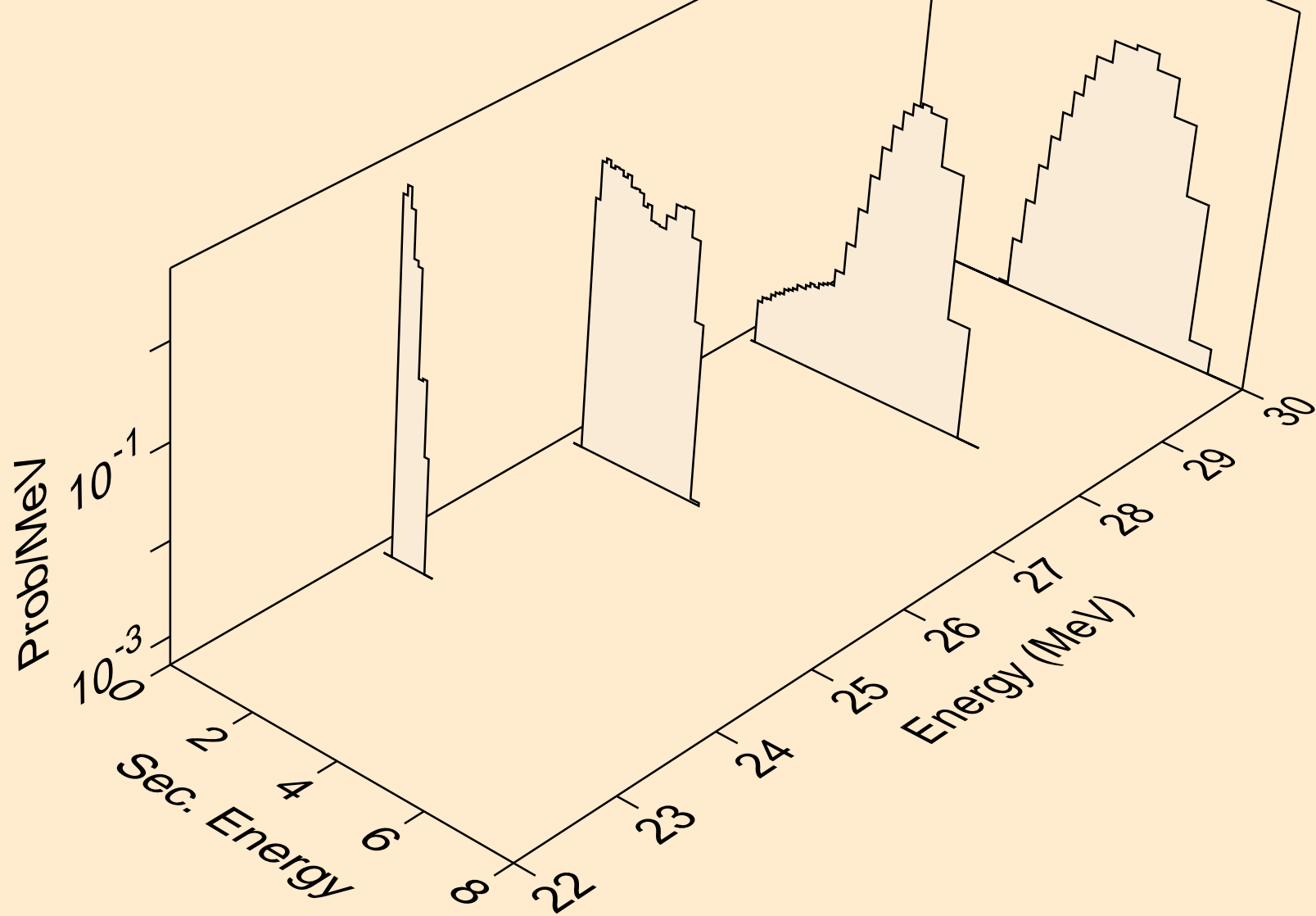
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n*)p



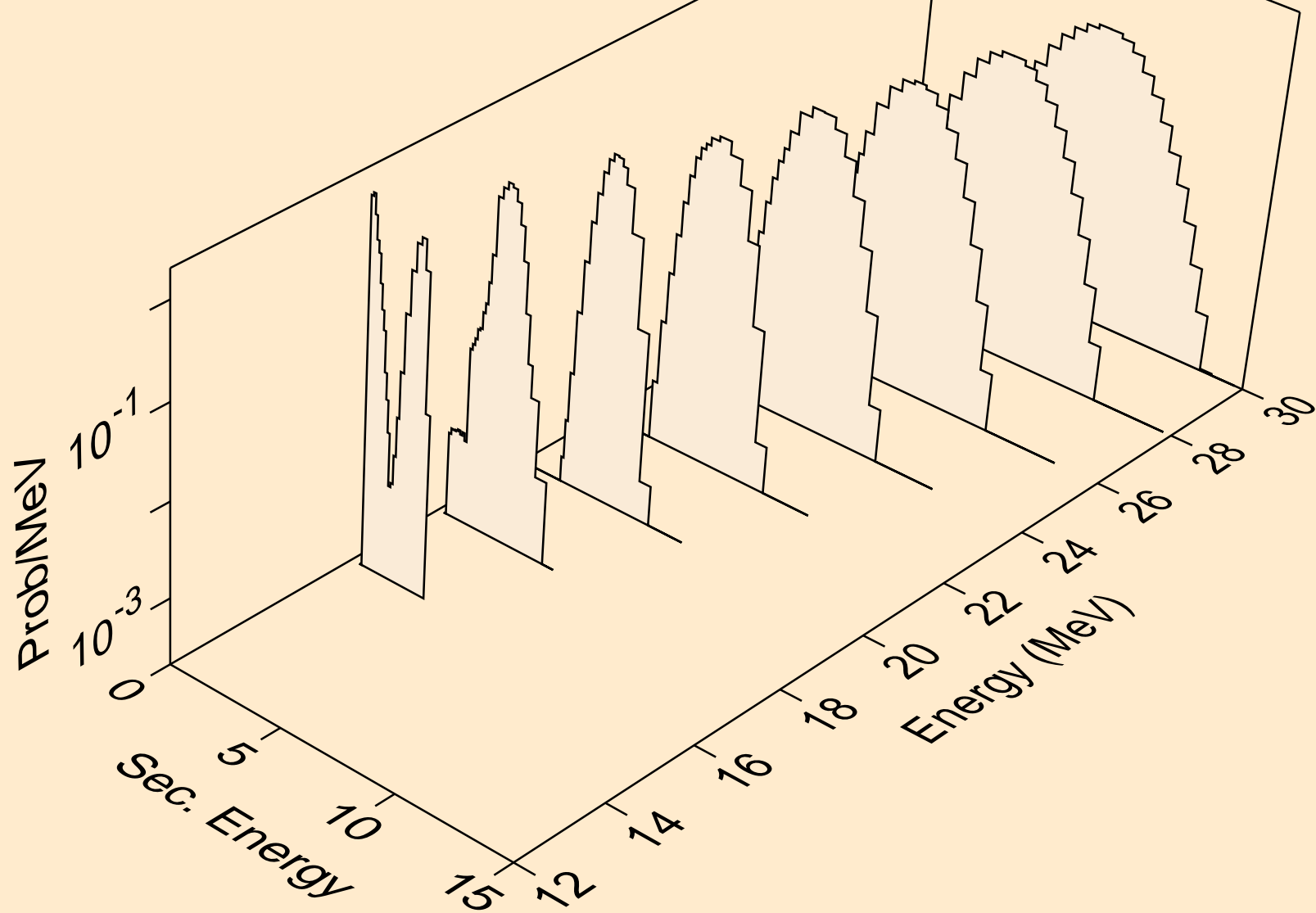
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)



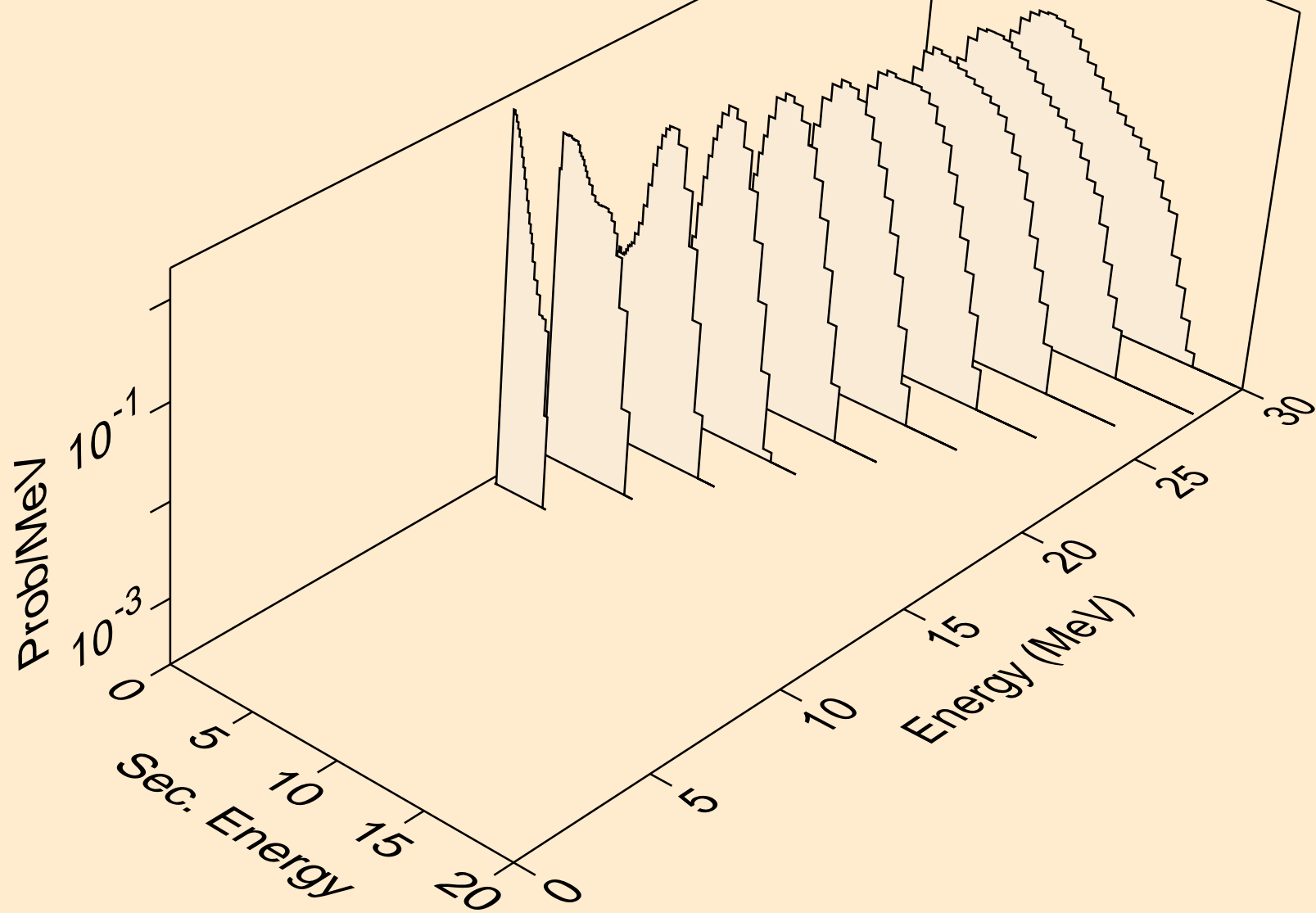
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,3np)



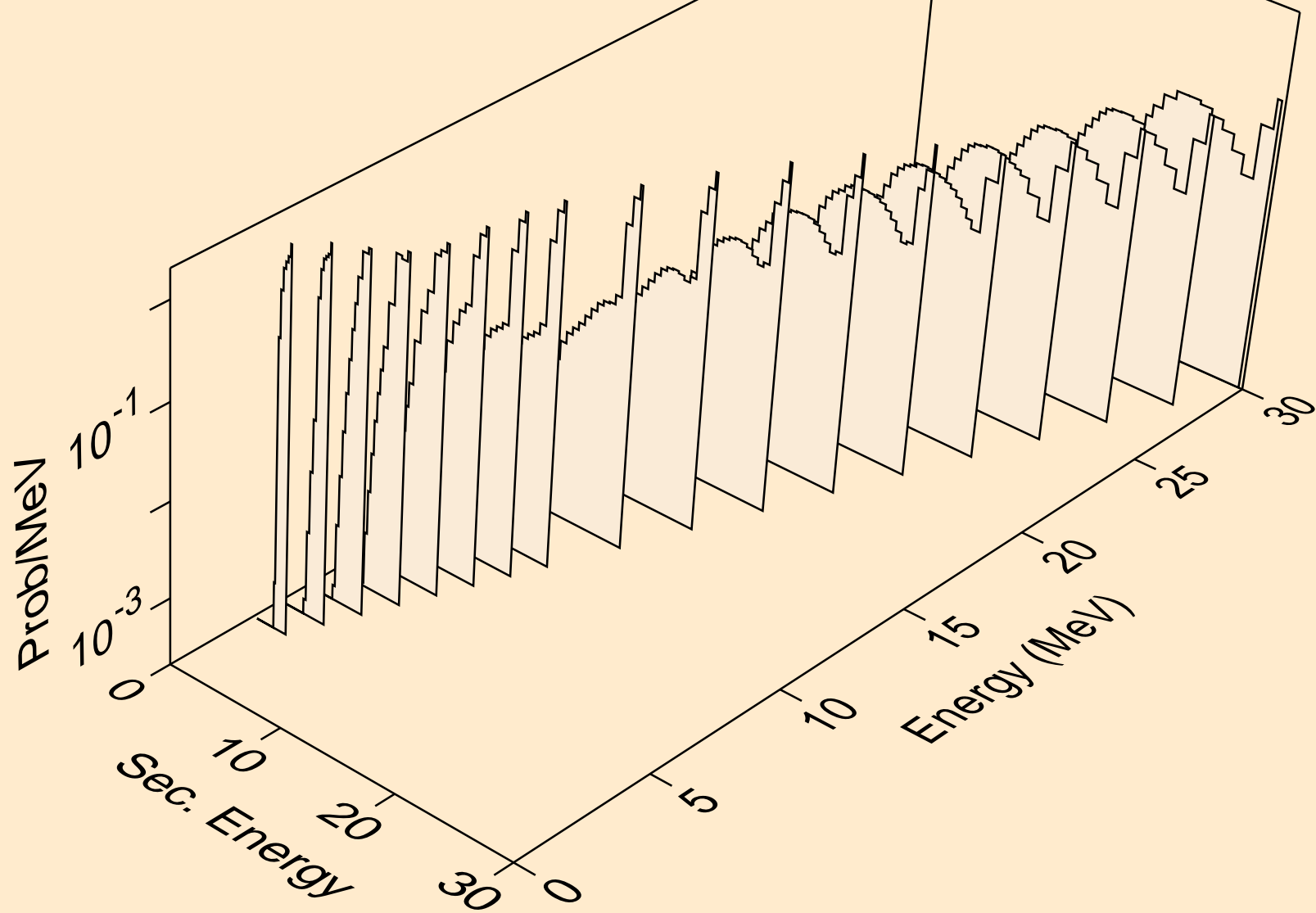
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,n2p)



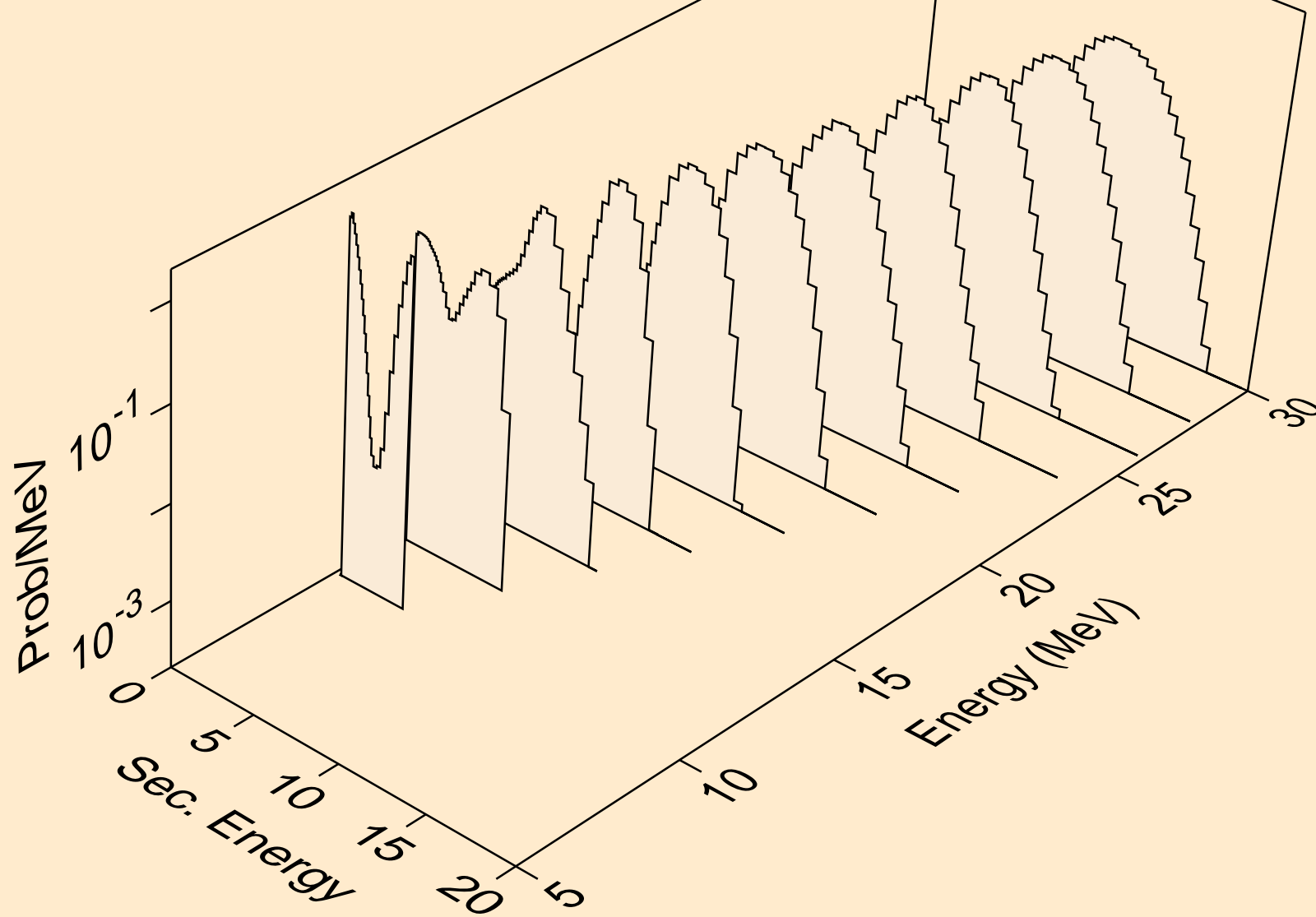
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)



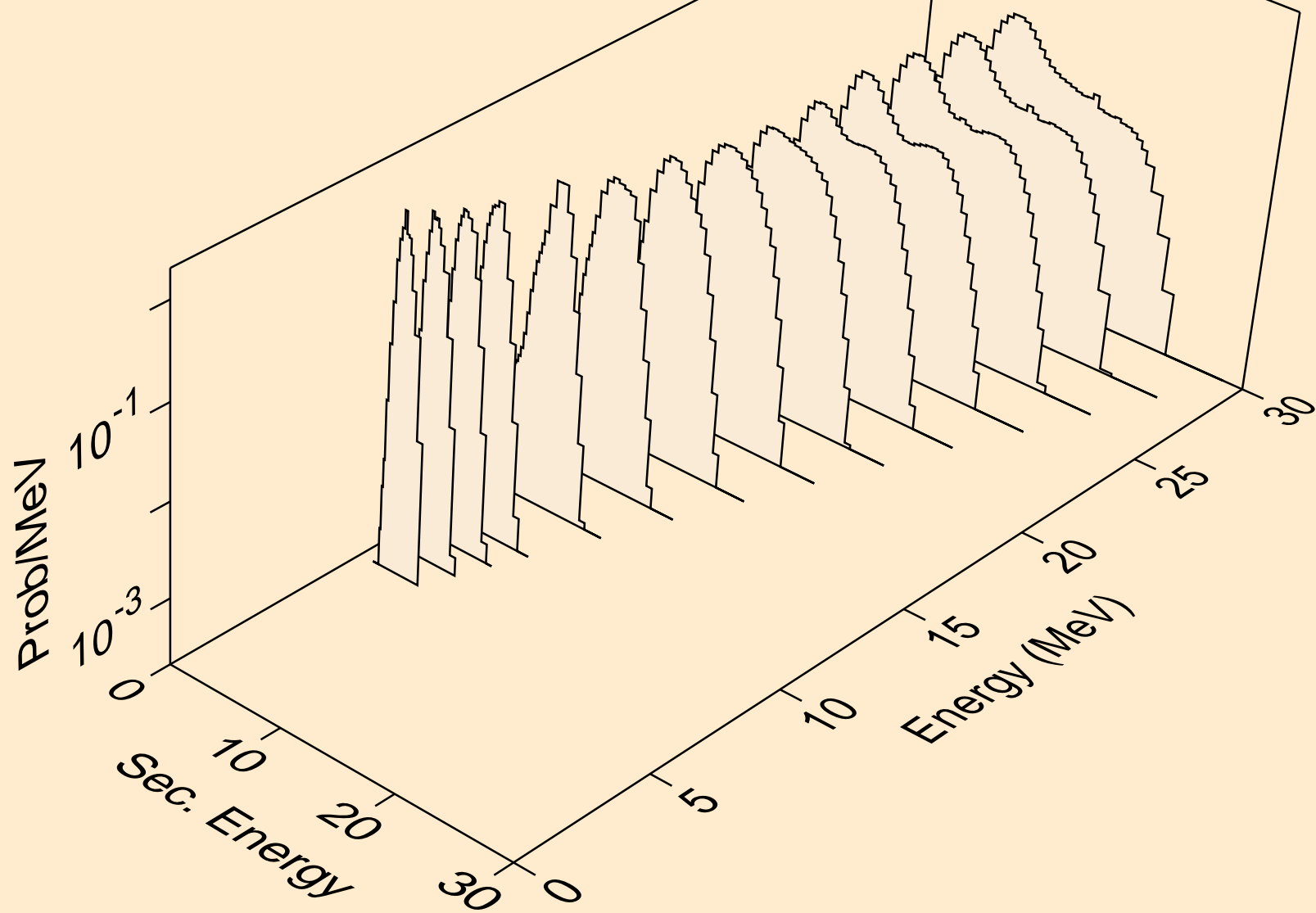
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



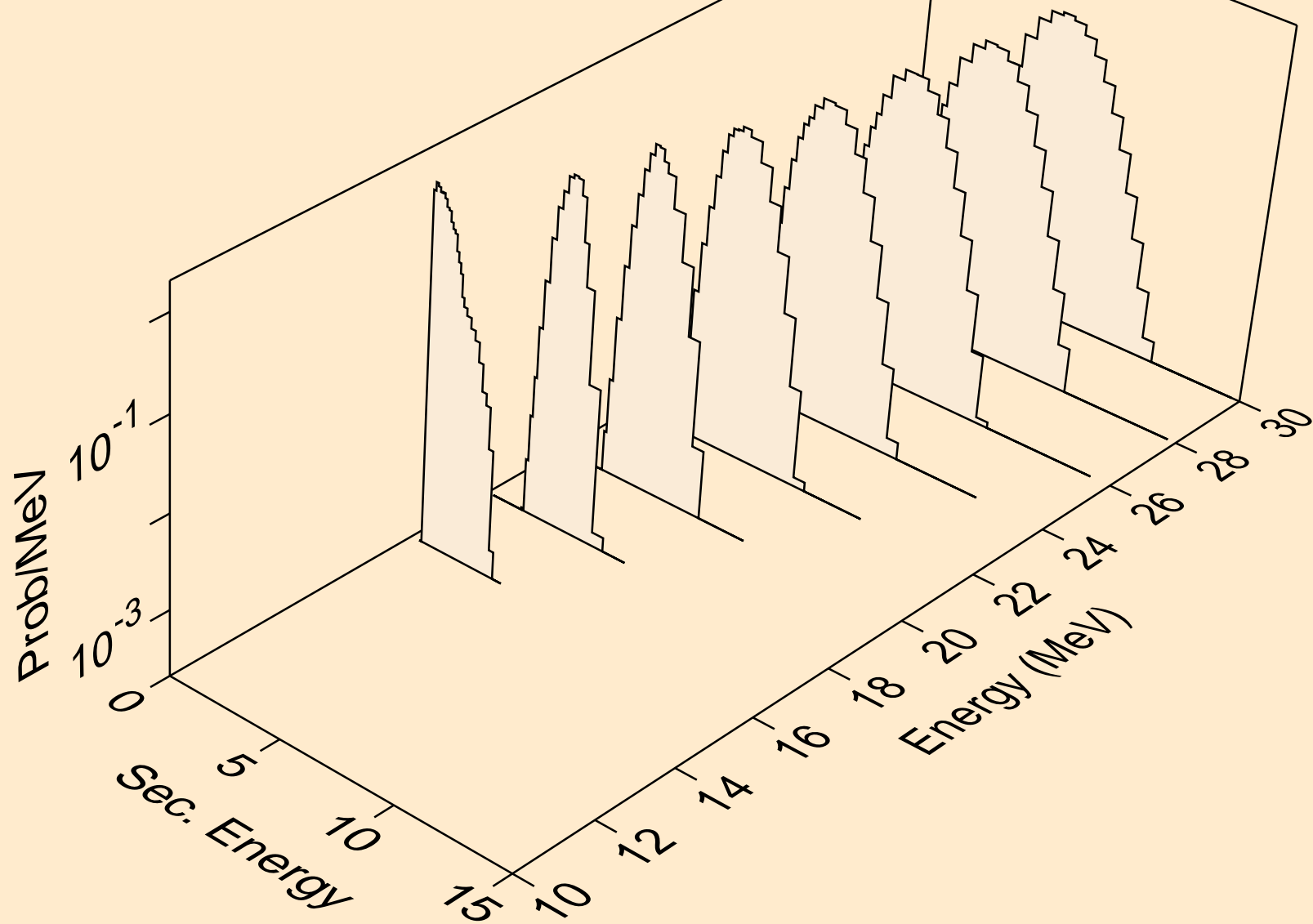
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2p)



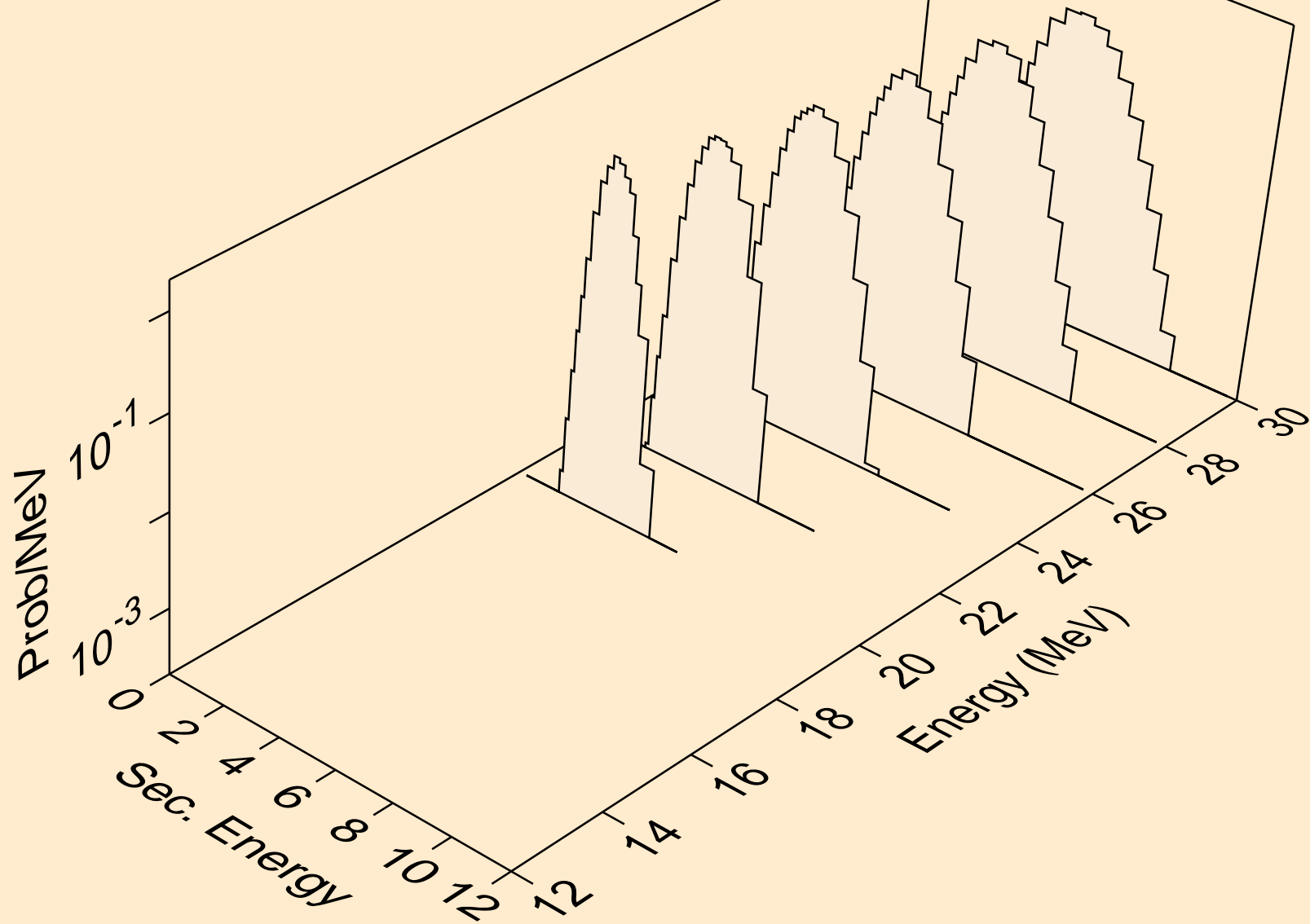
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pa)



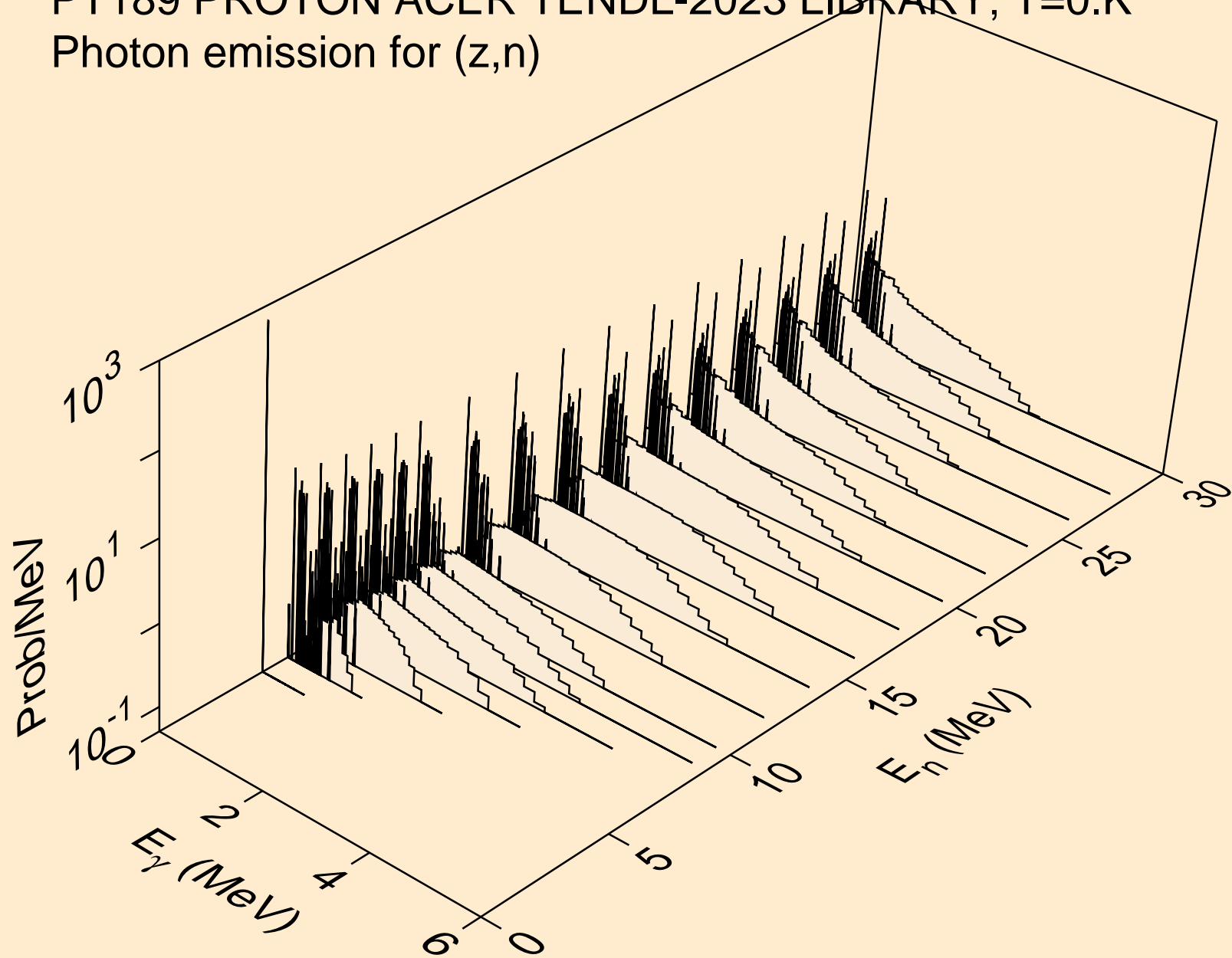
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pd)



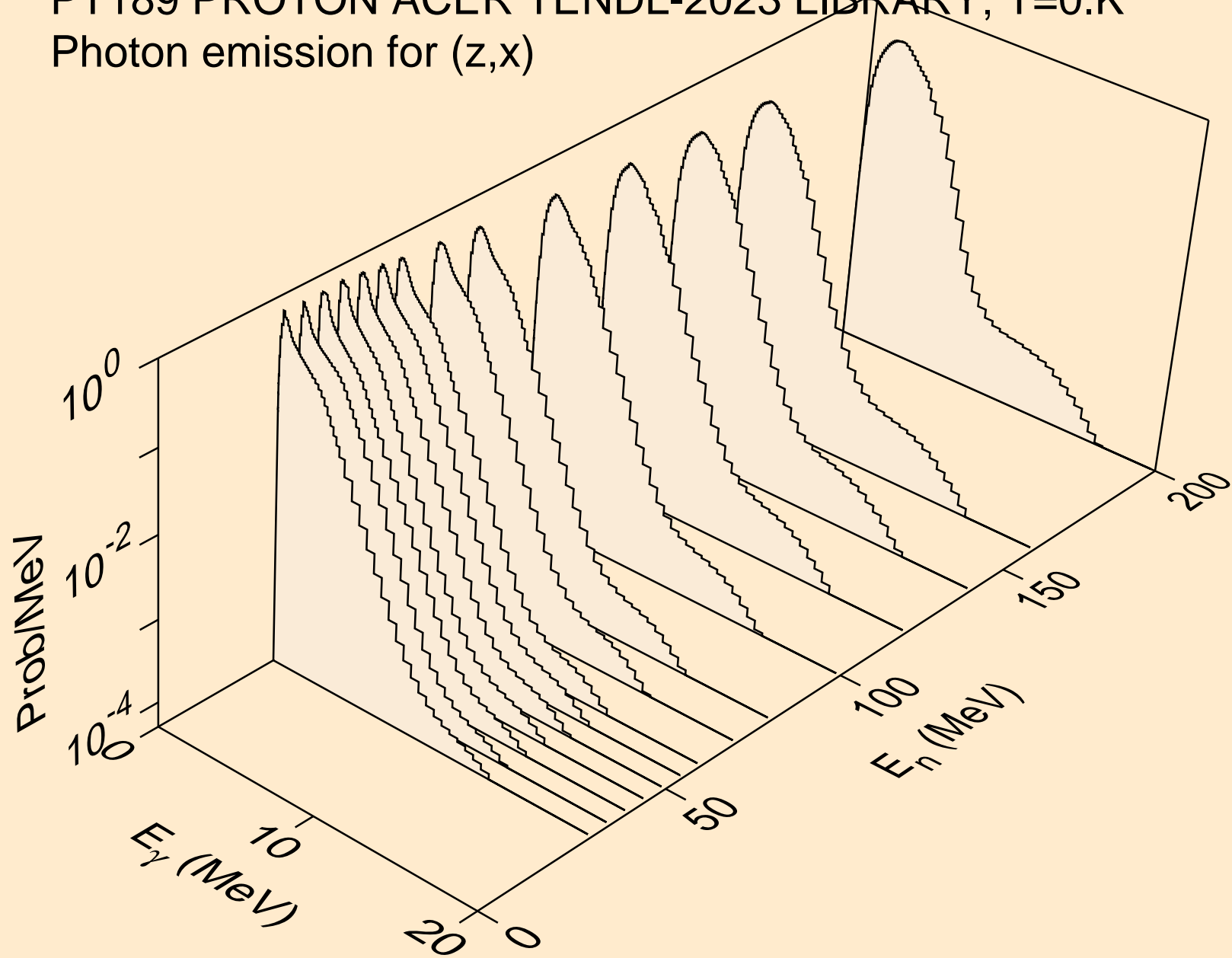
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,pt)



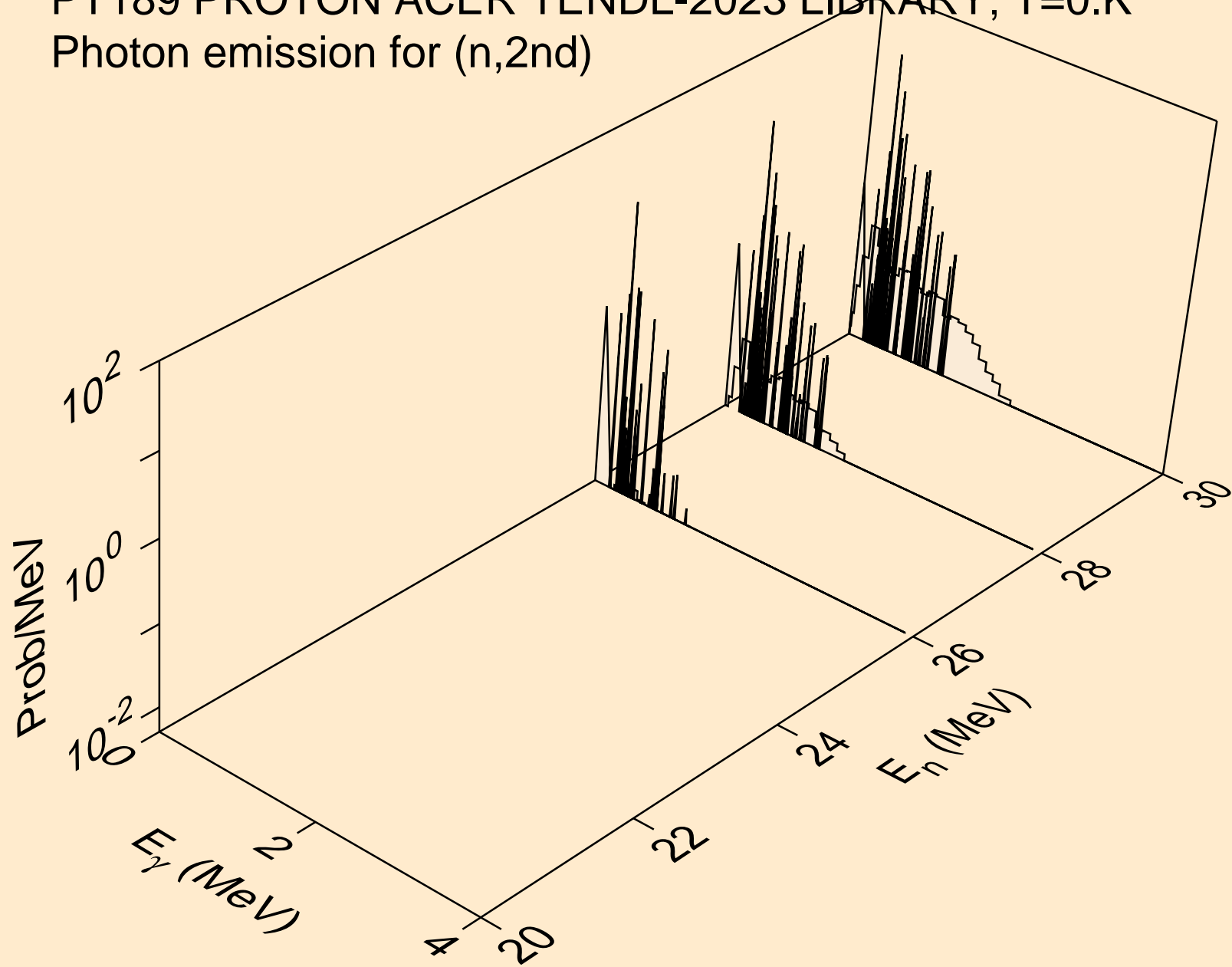
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)



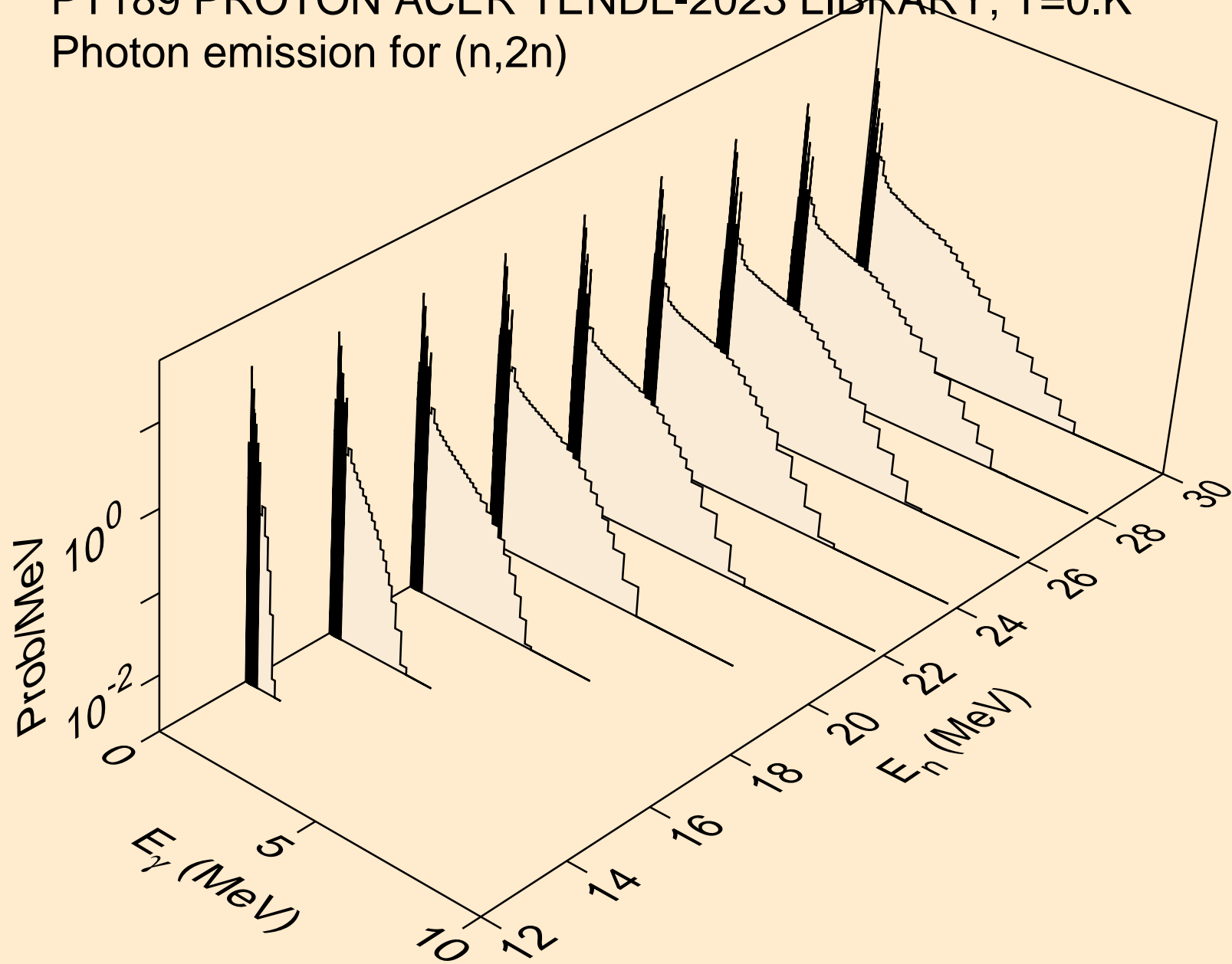
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)



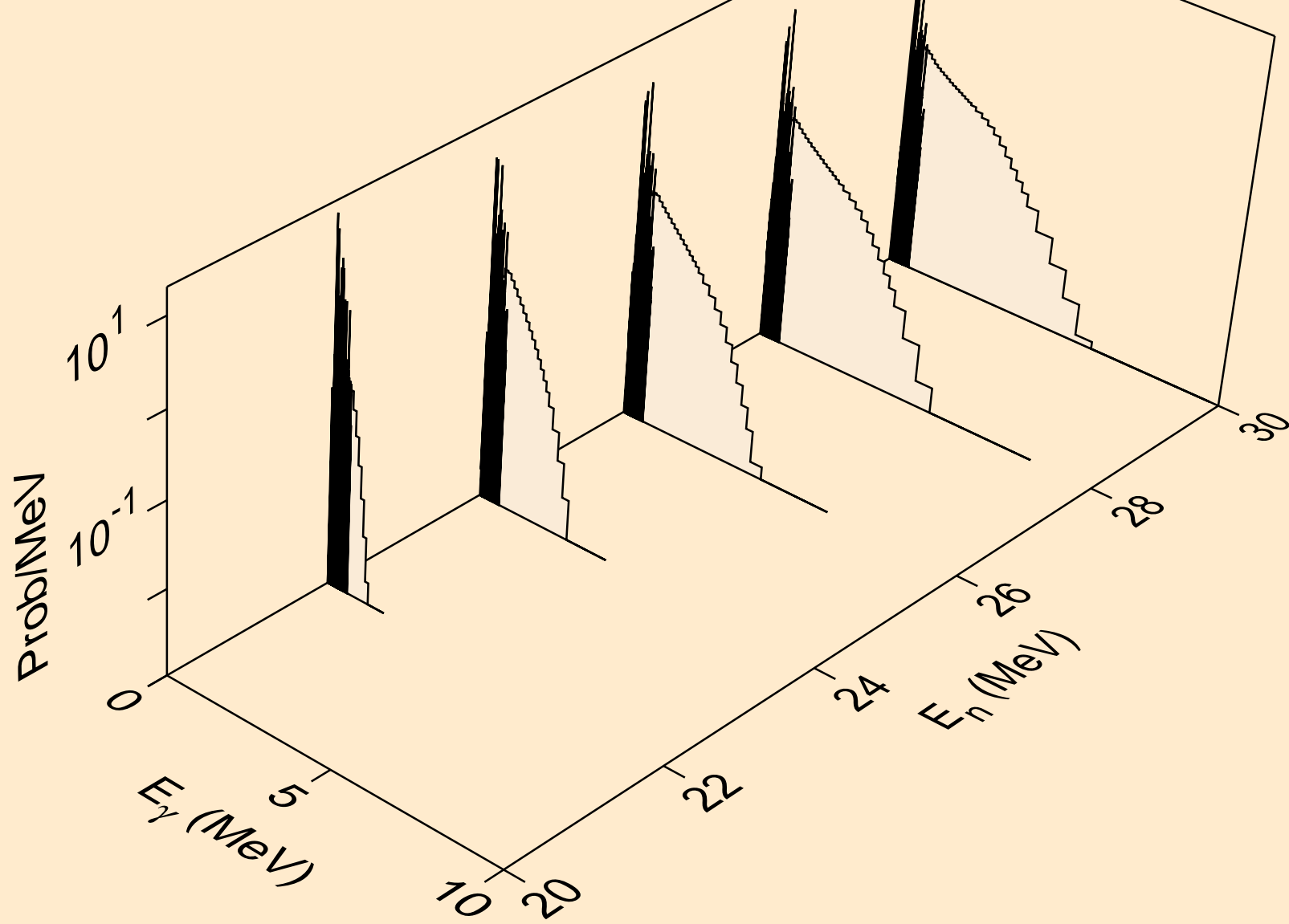
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



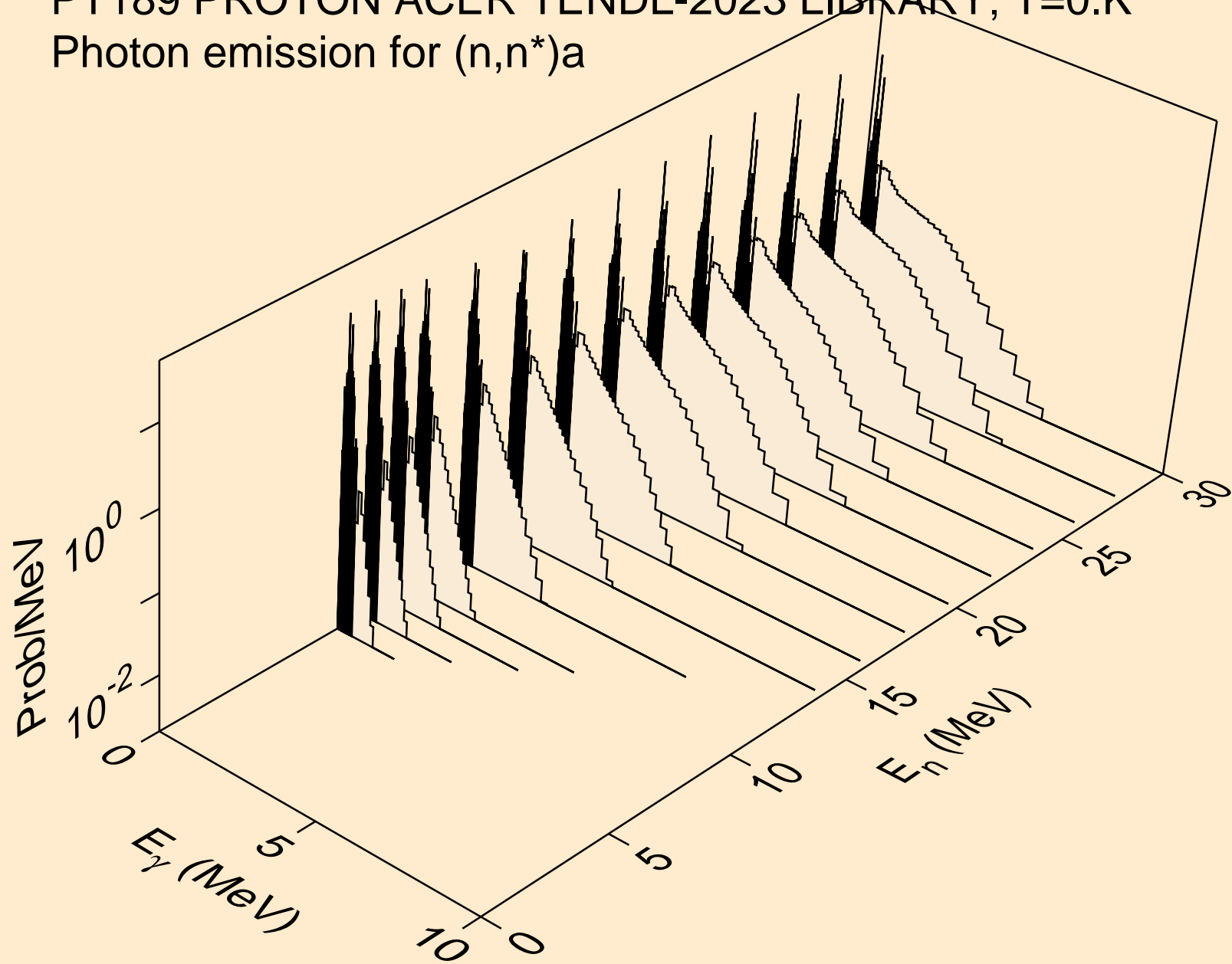
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



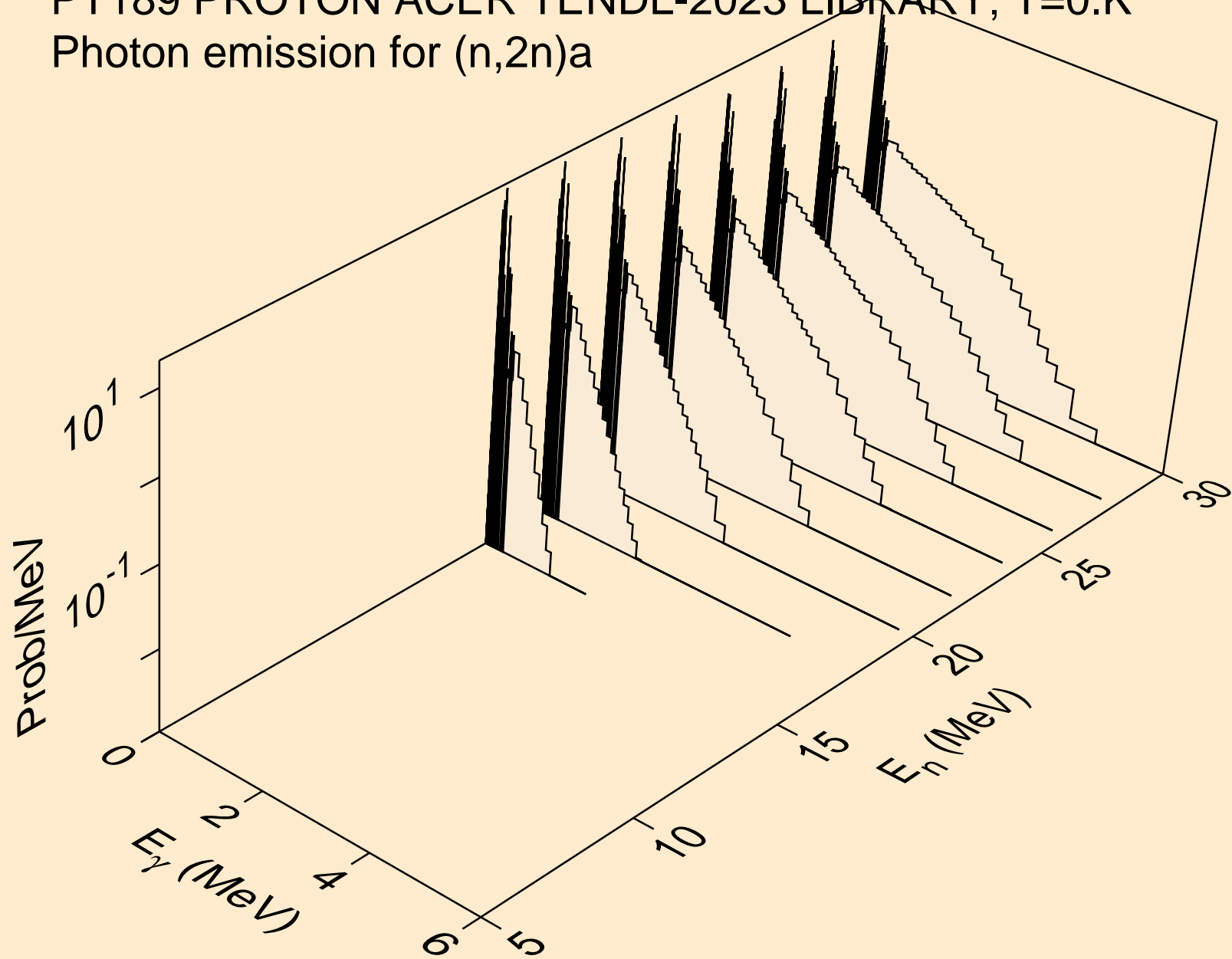
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



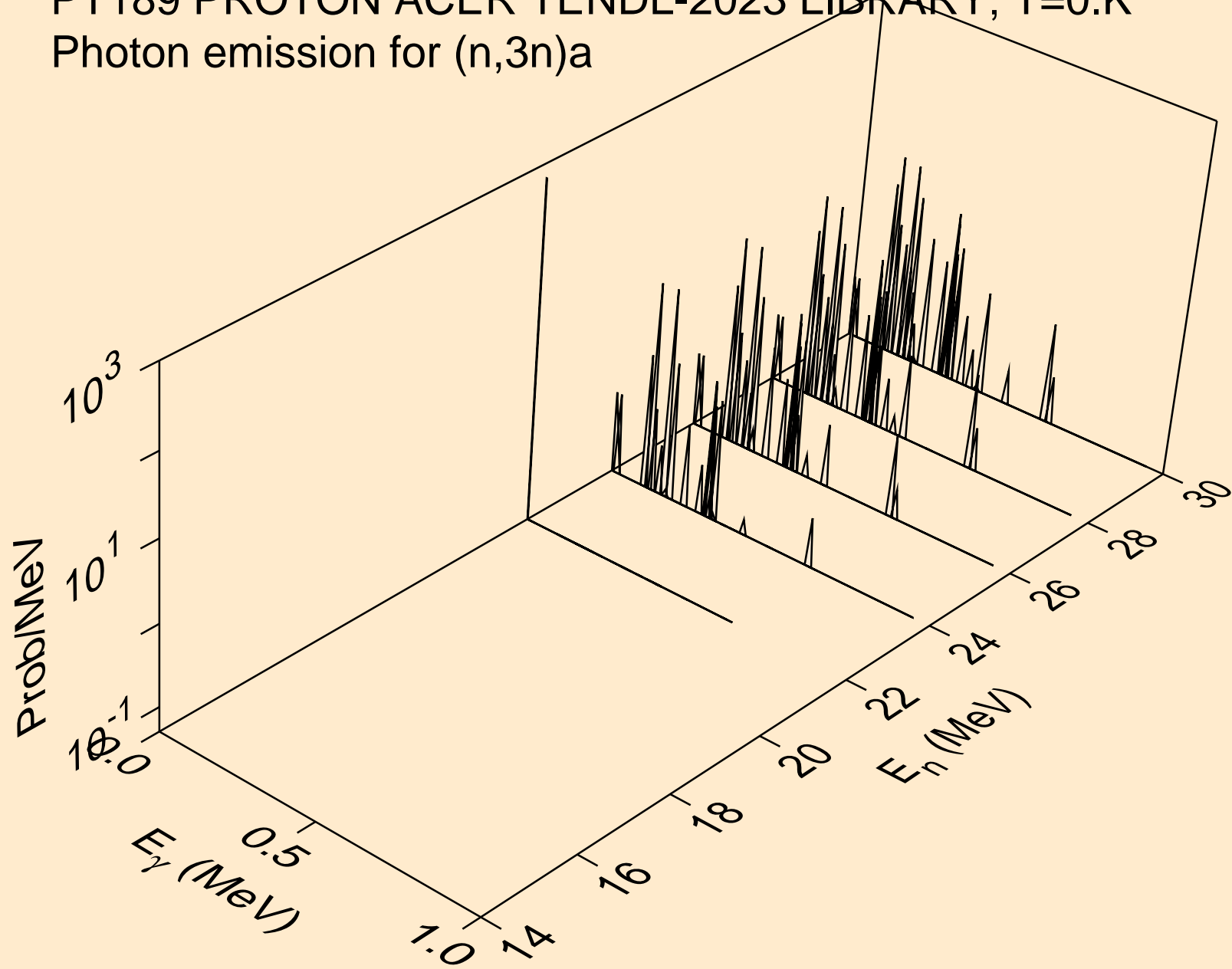
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



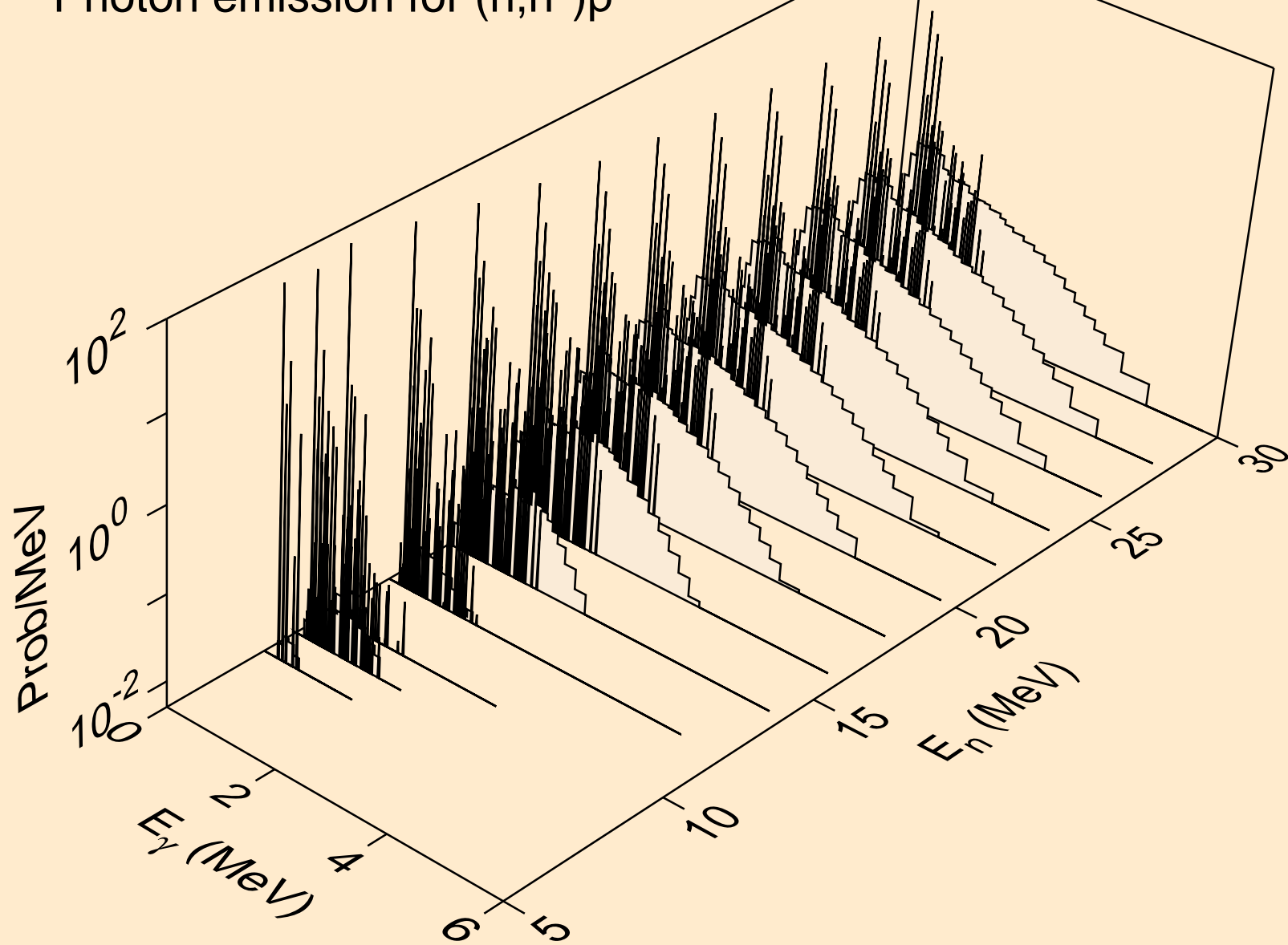
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



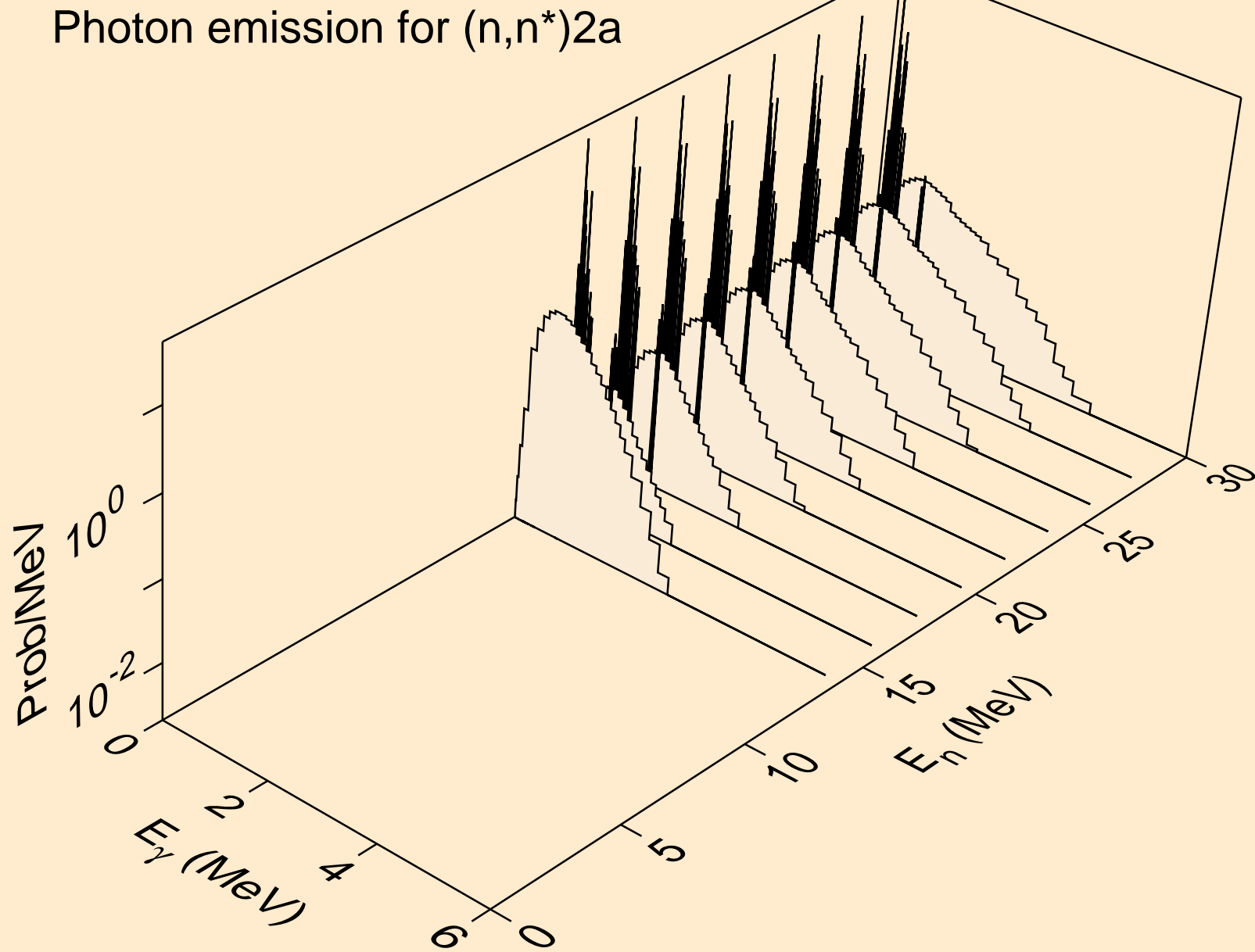
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



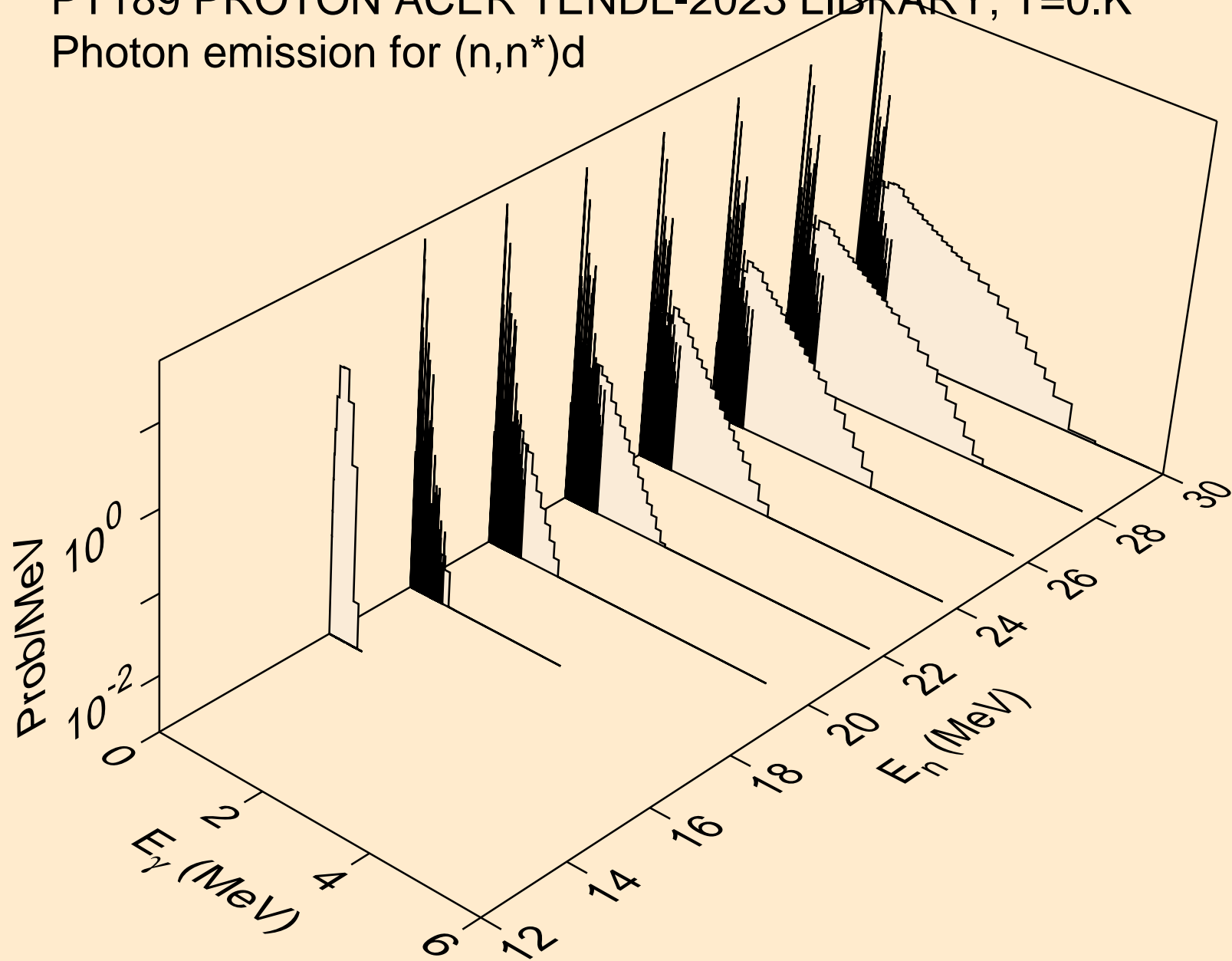
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



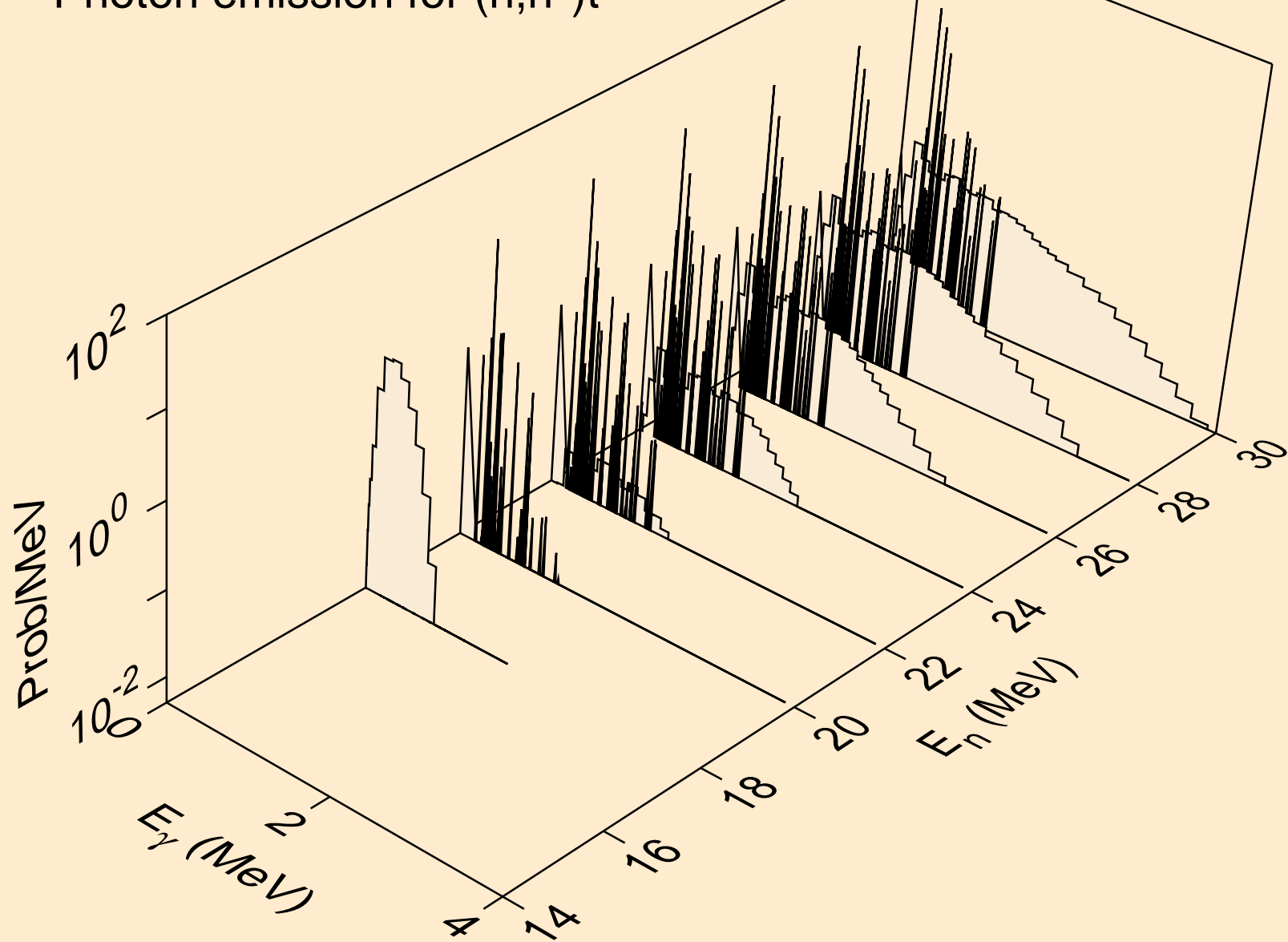
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



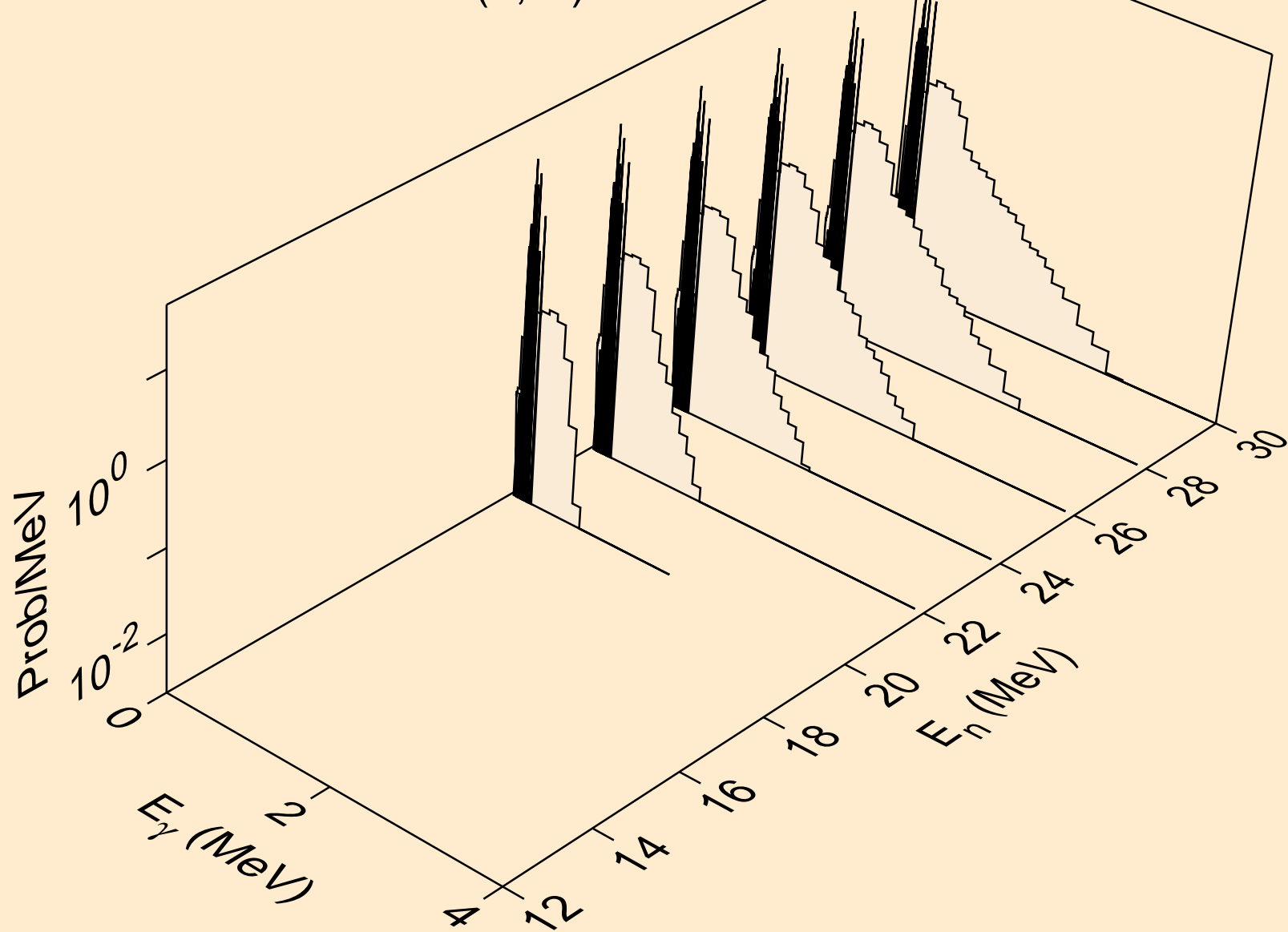
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



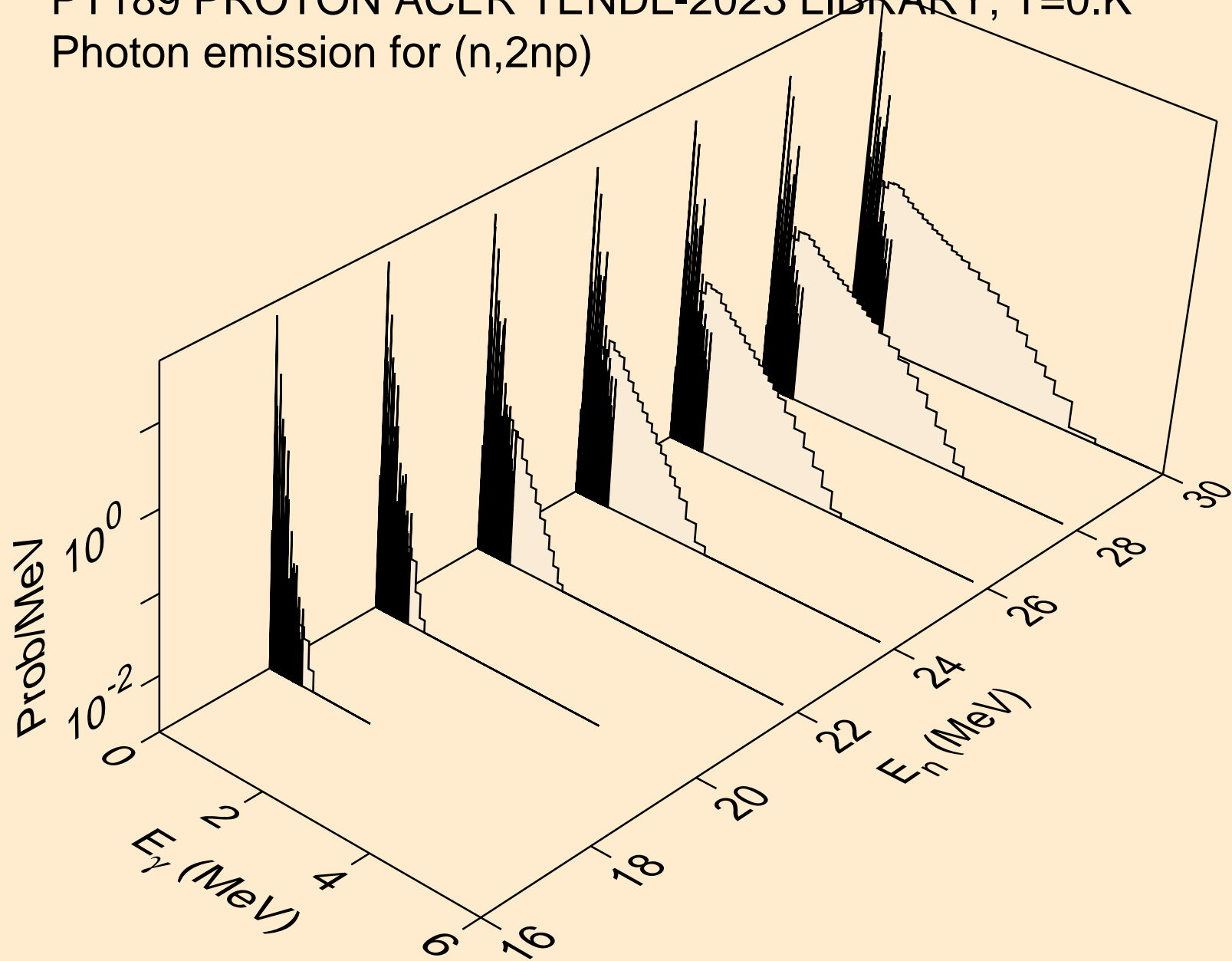
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



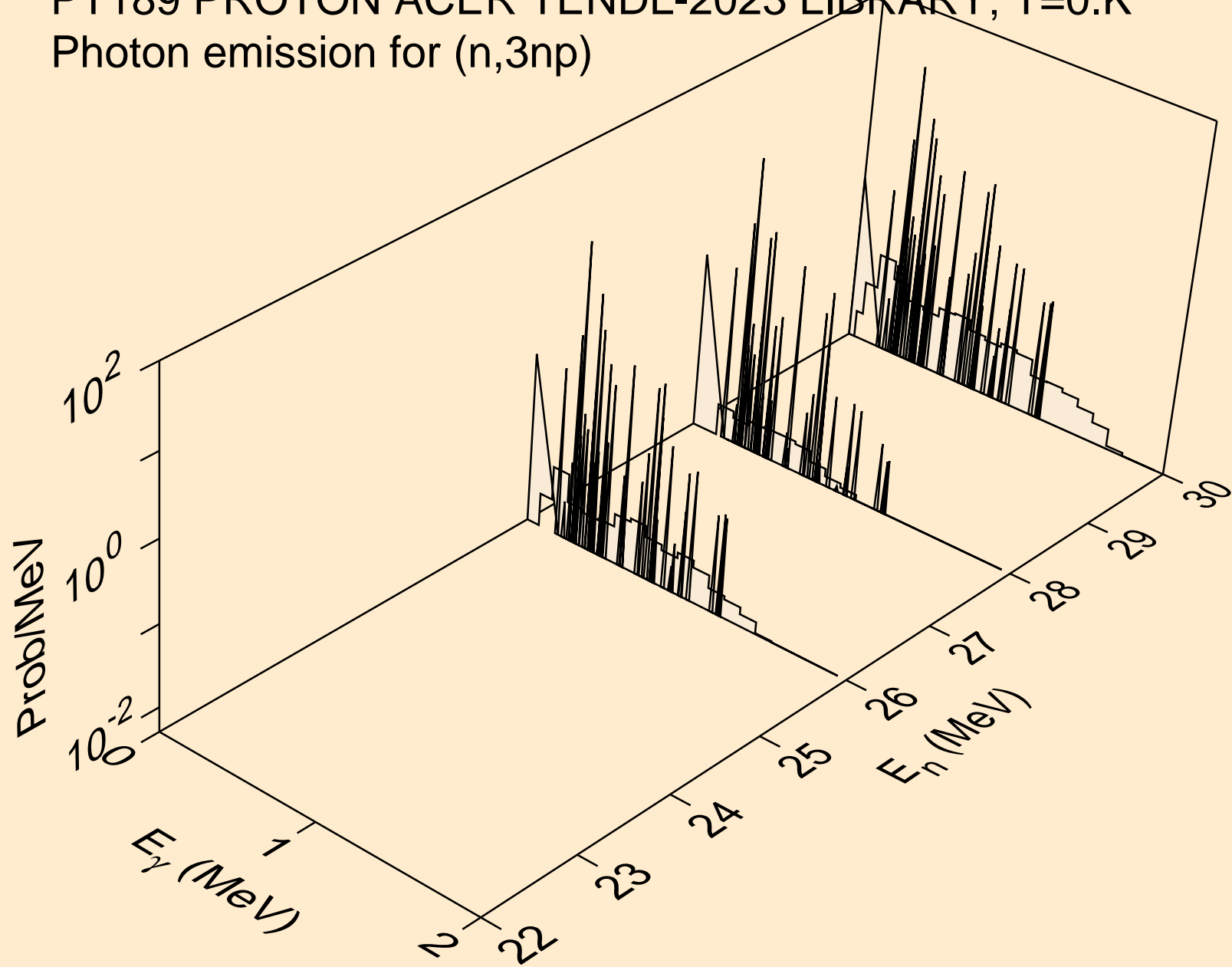
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



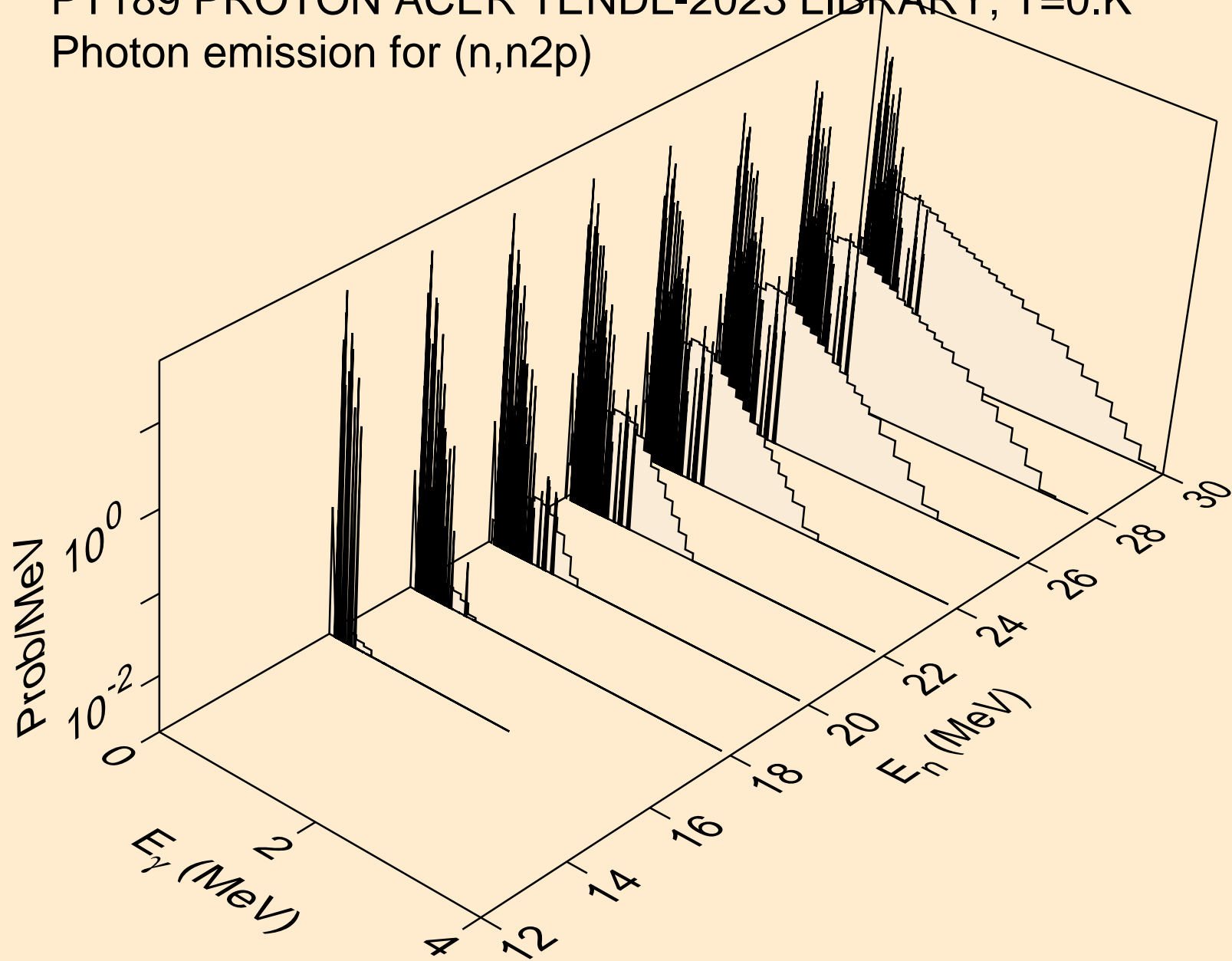
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



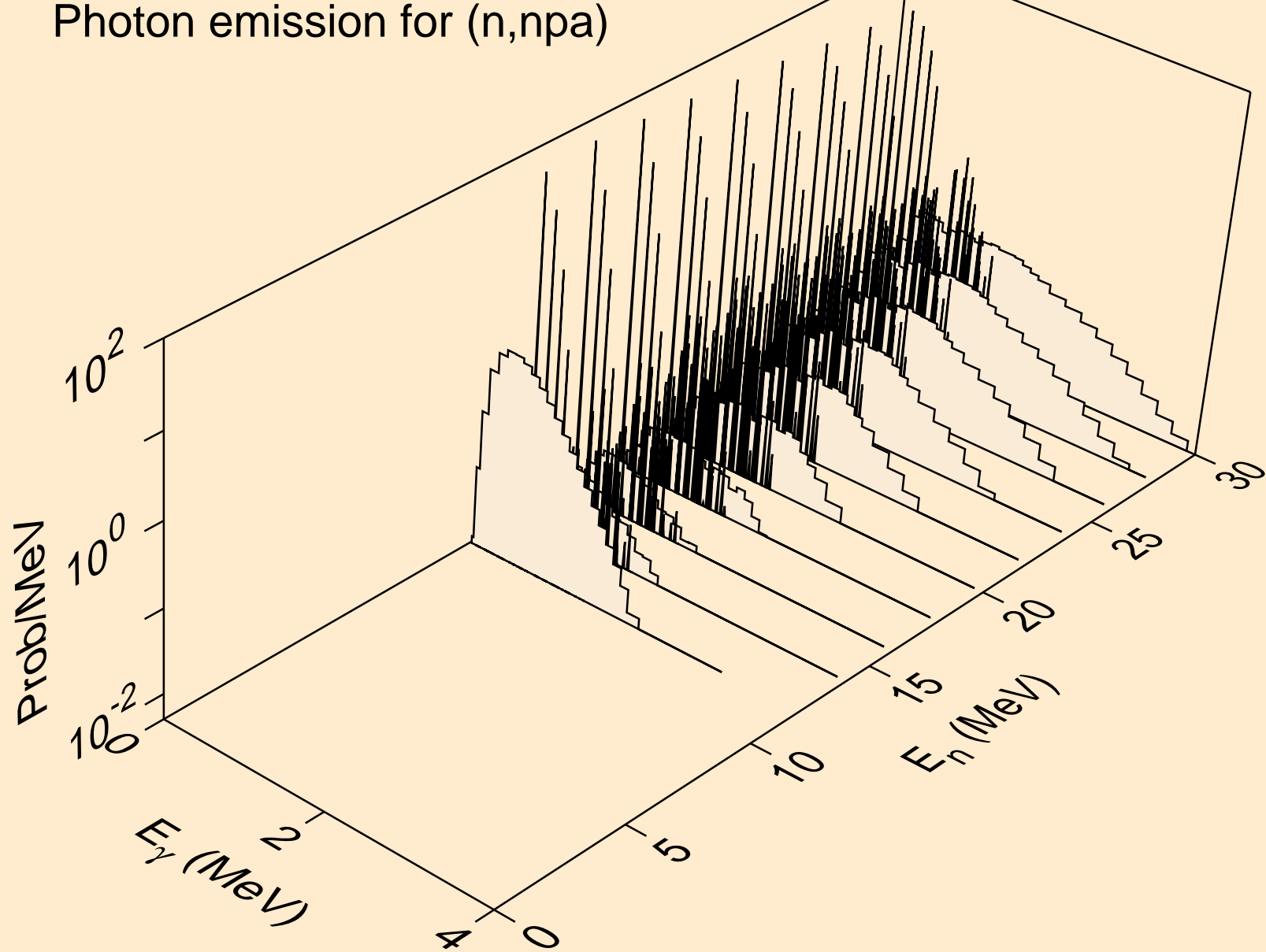
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



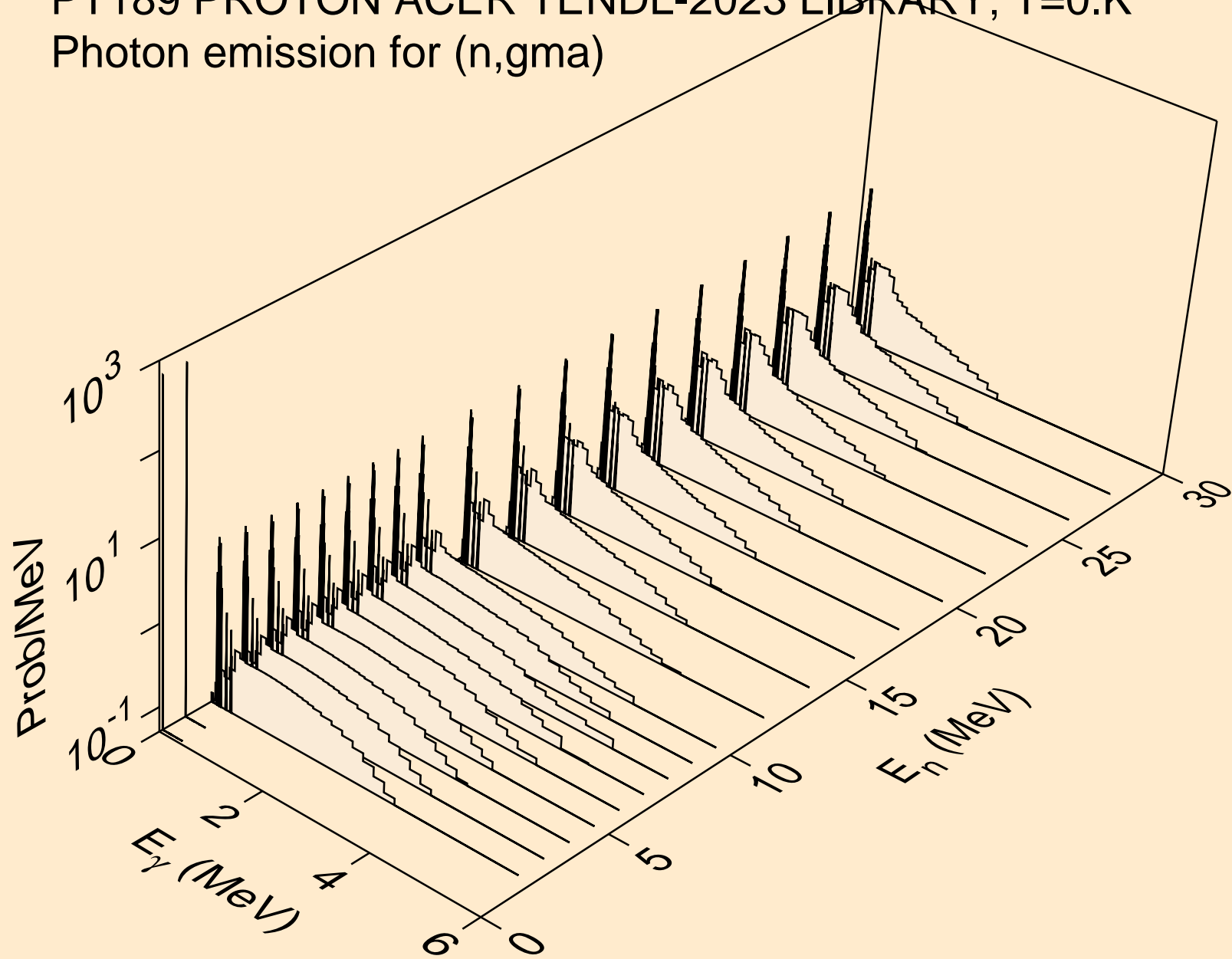
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



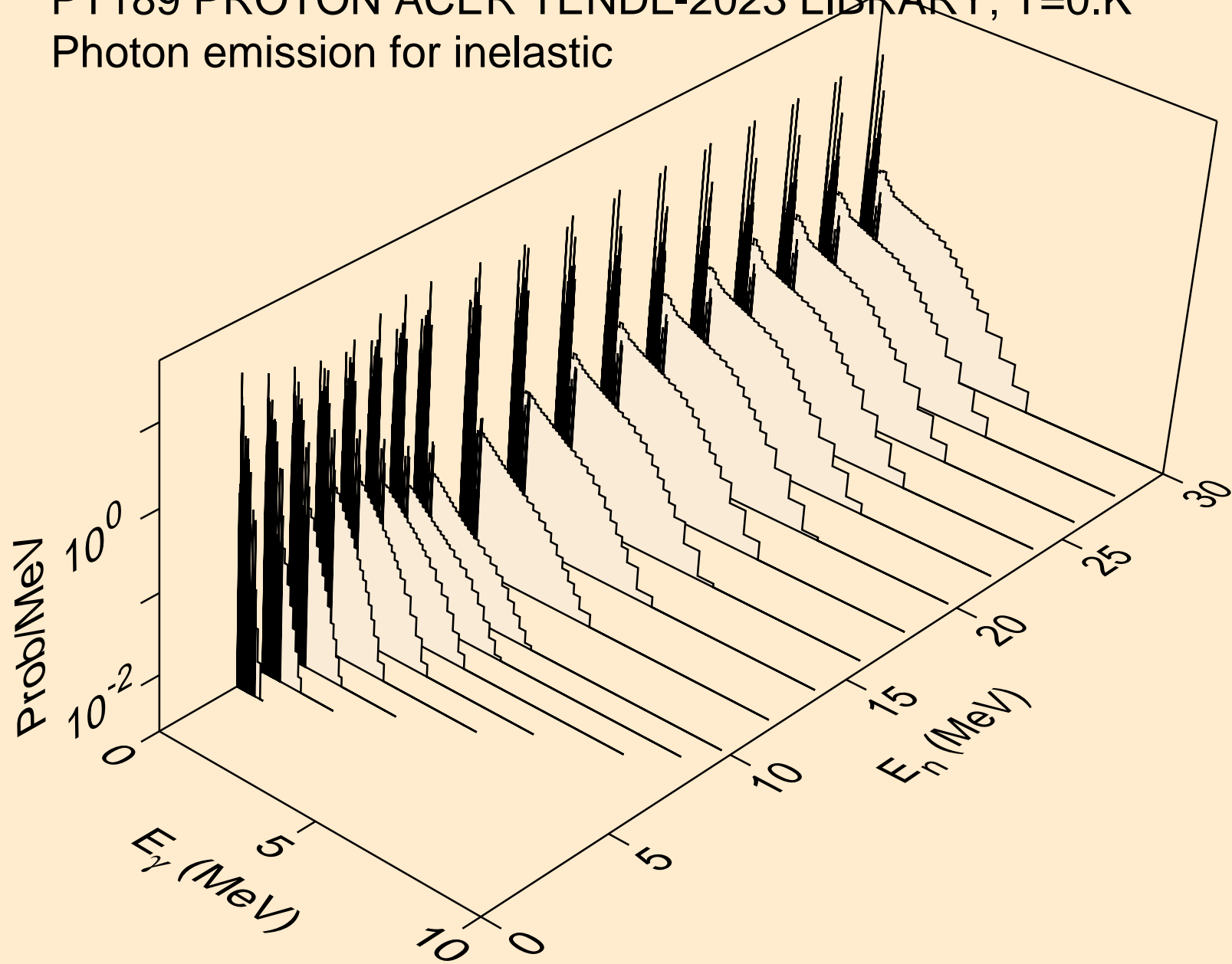
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



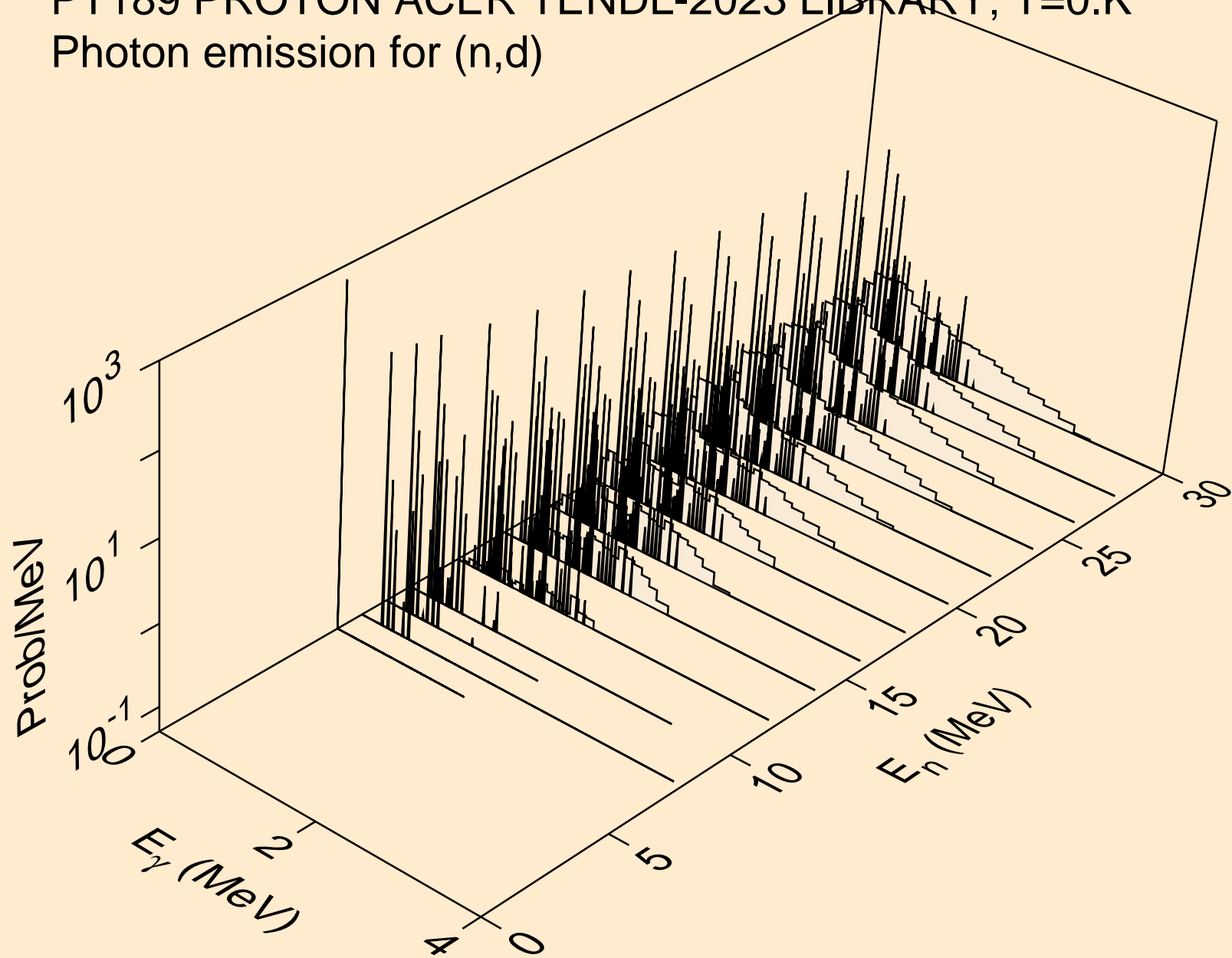
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



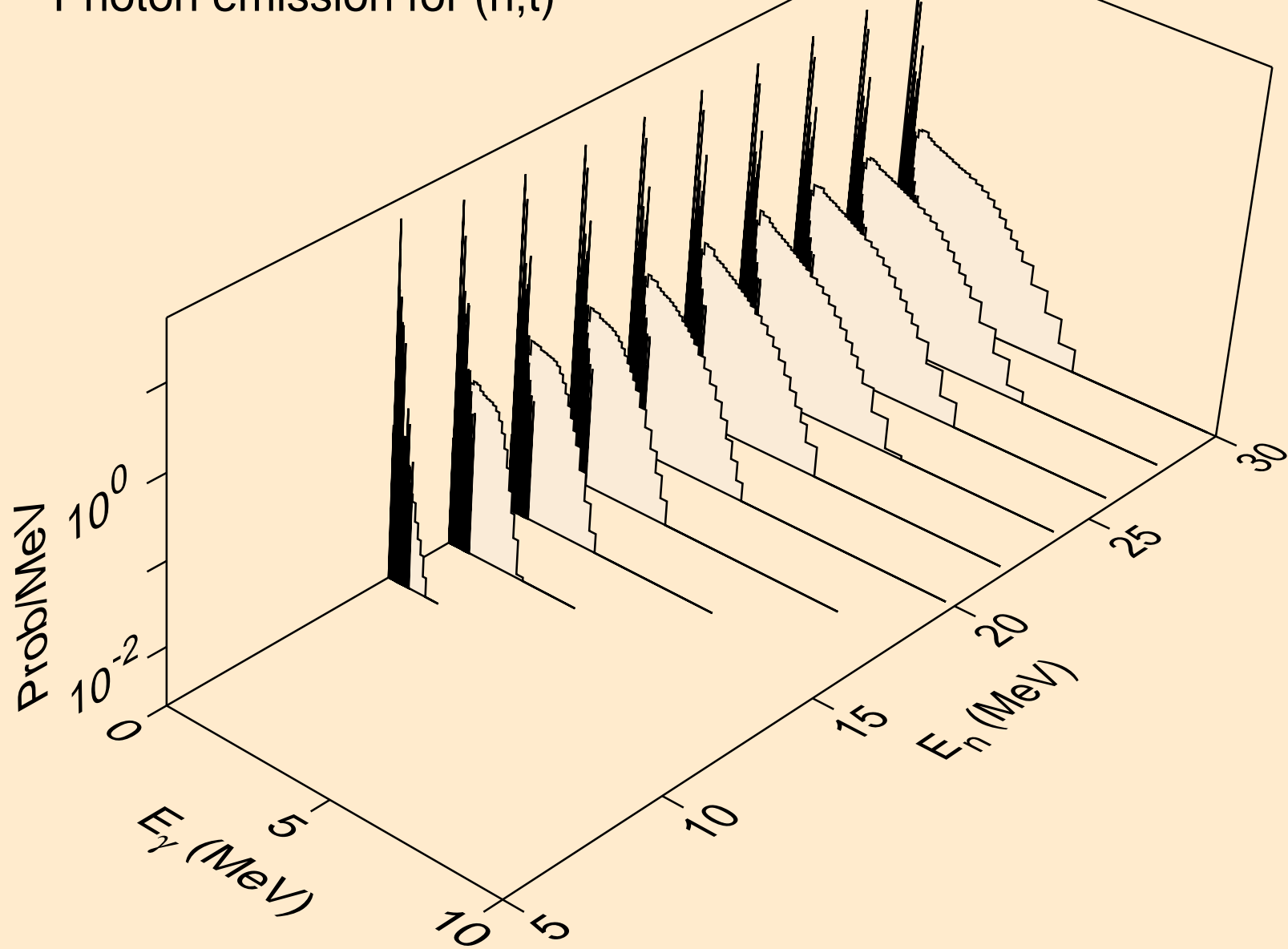
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



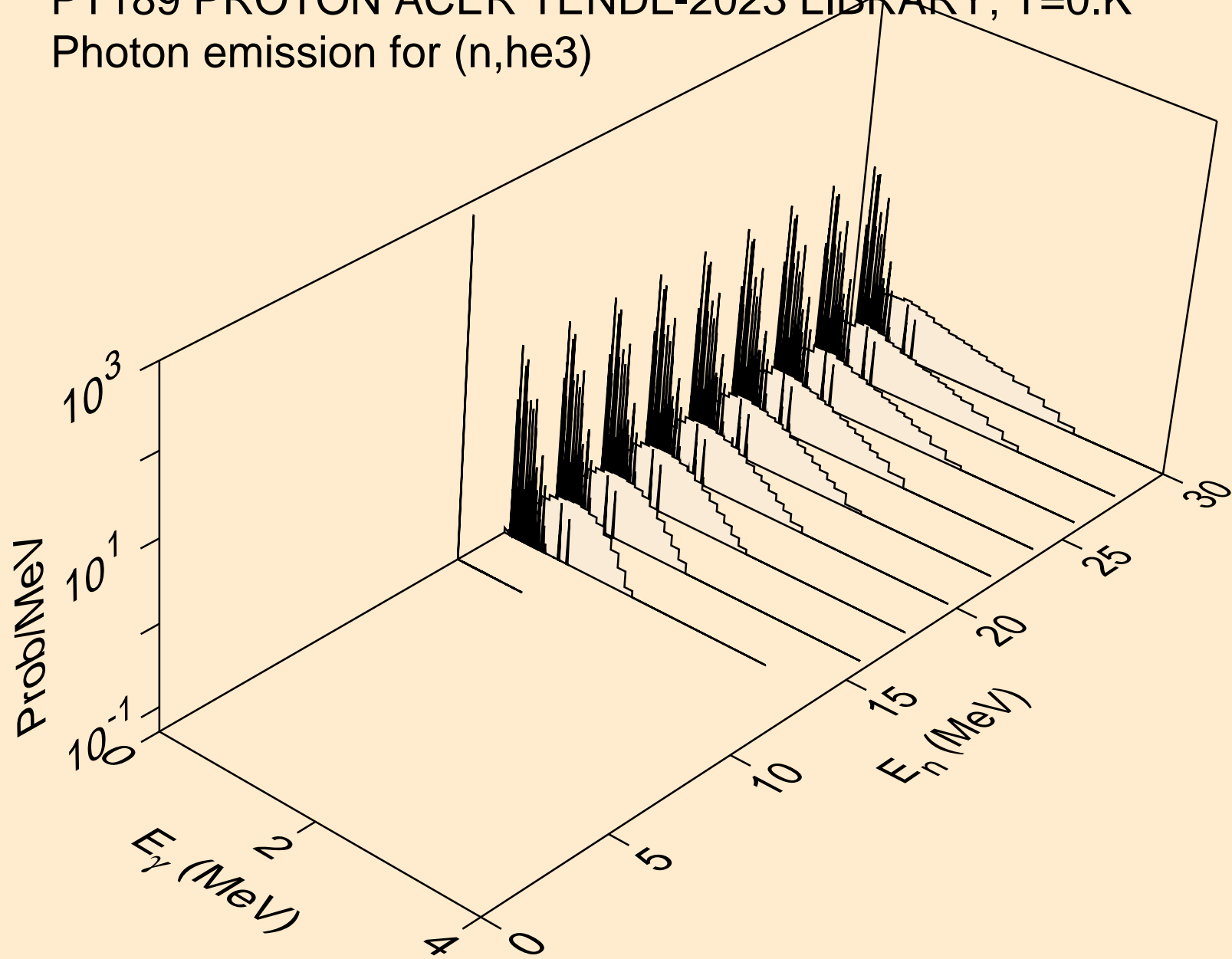
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



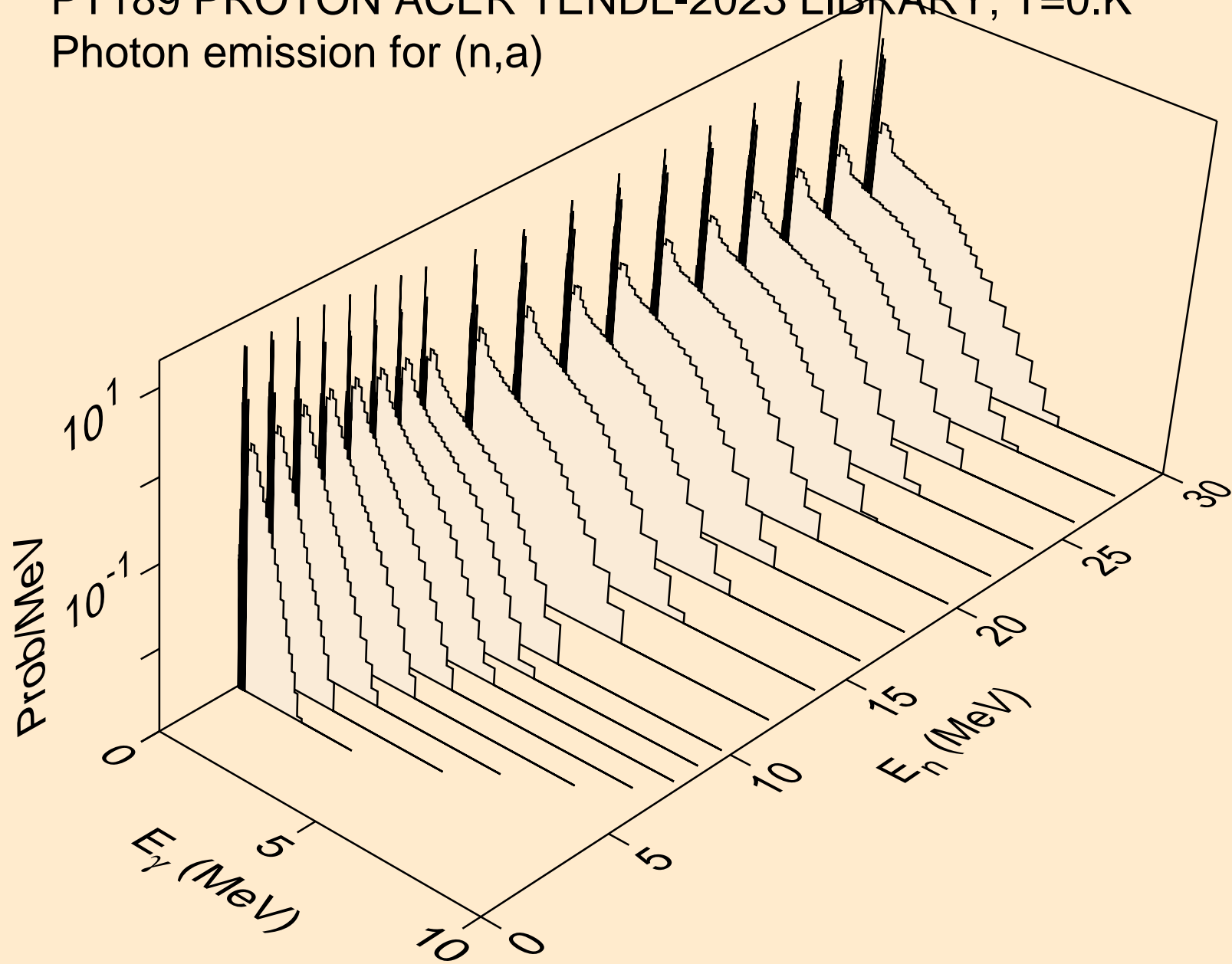
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



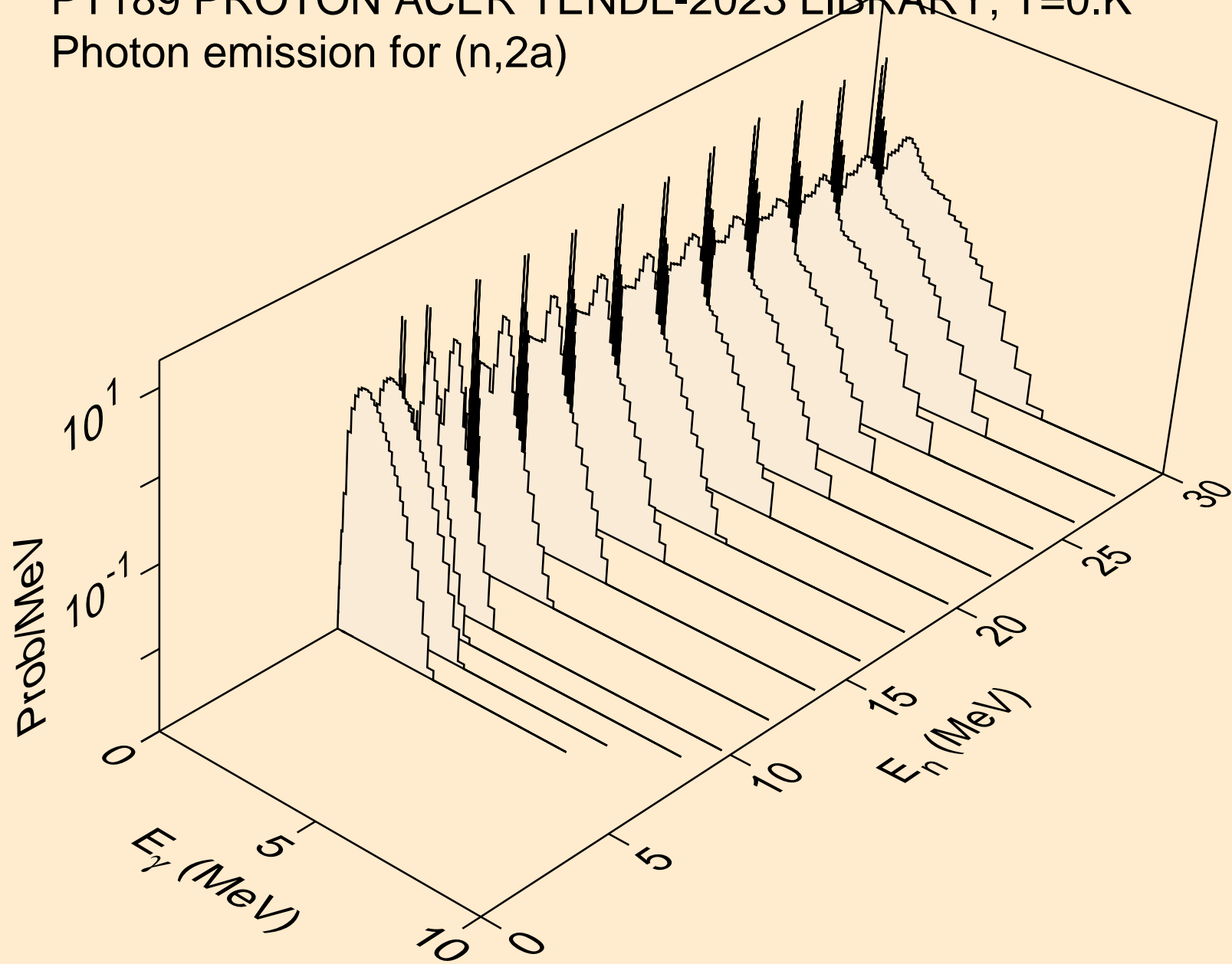
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



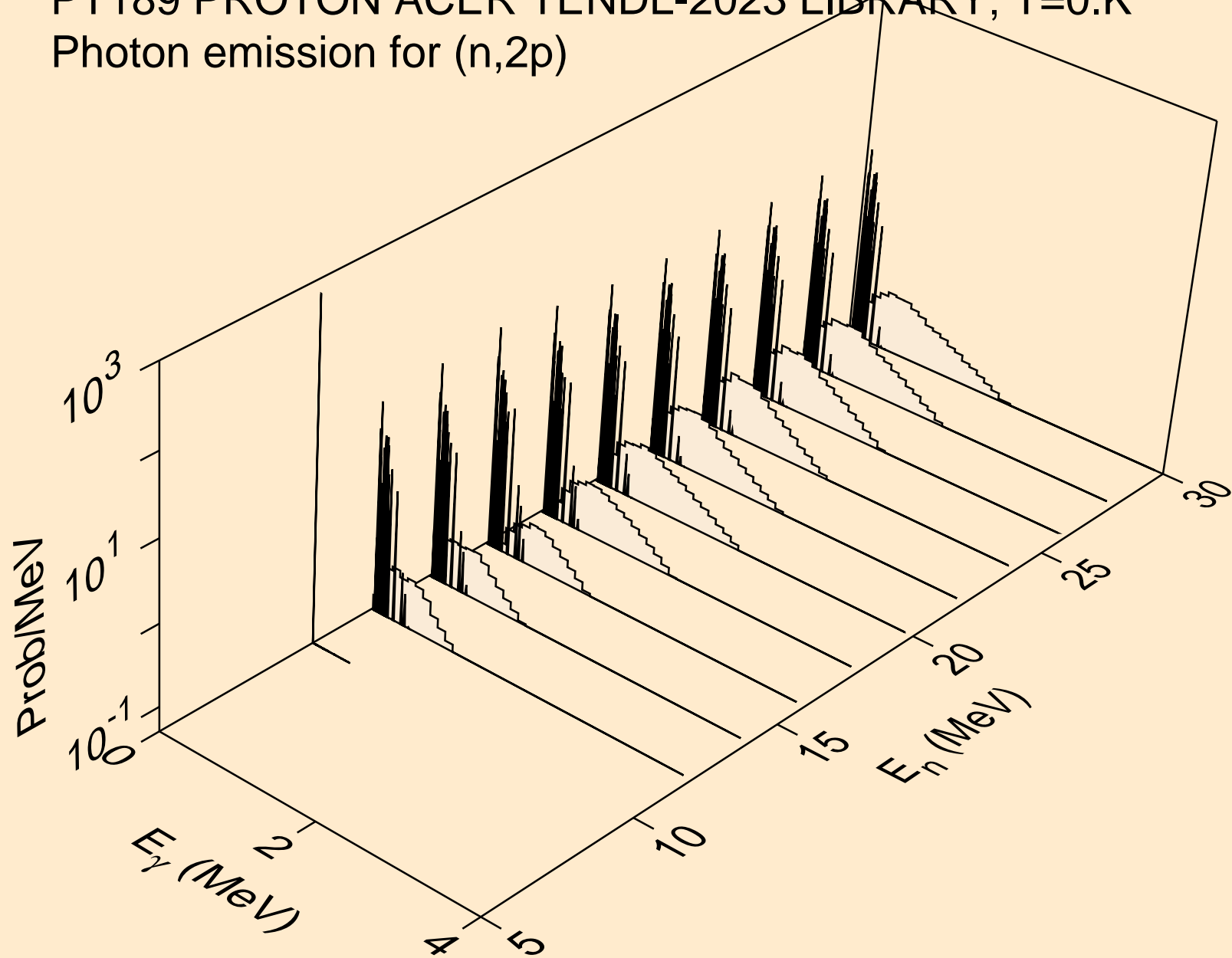
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



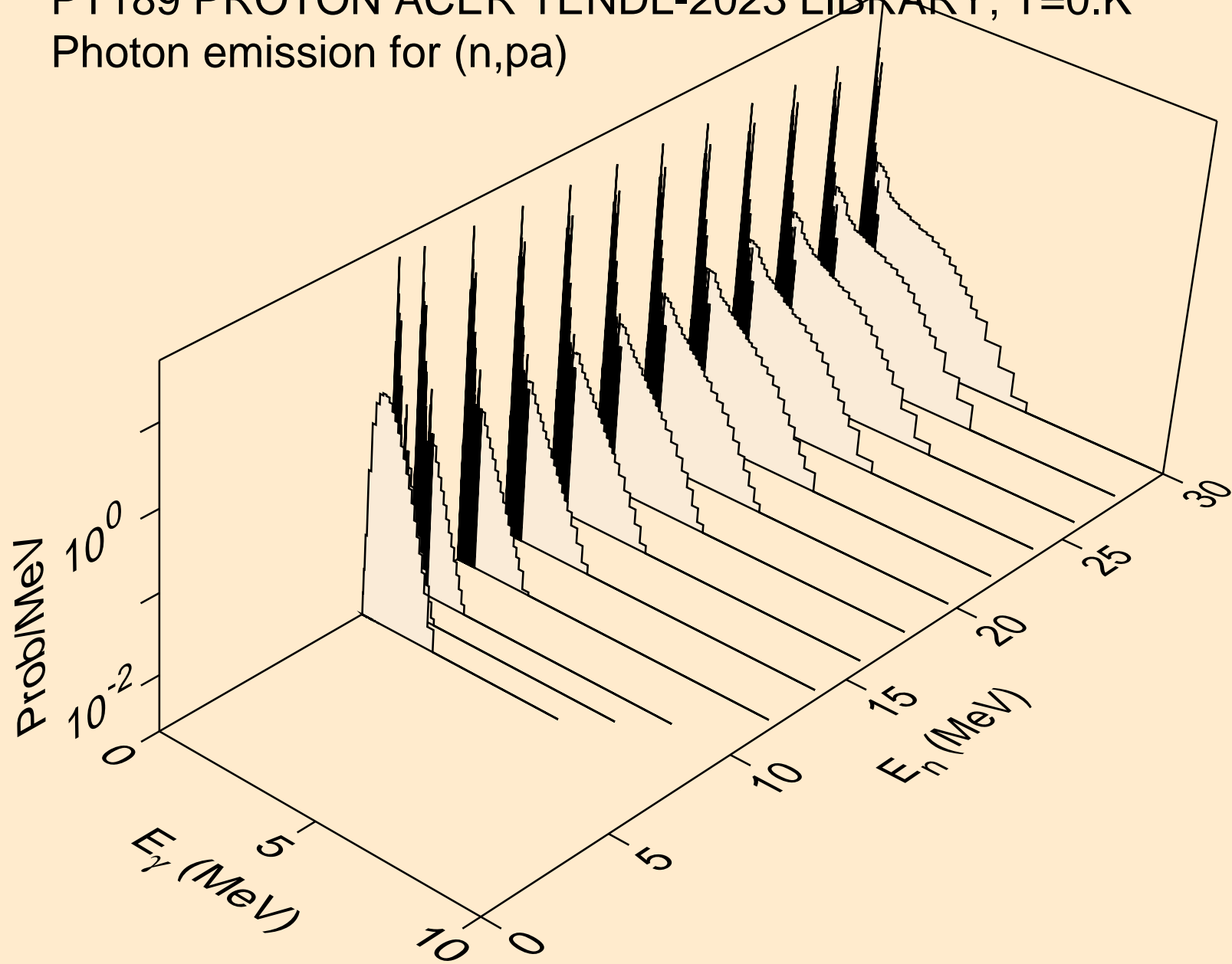
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



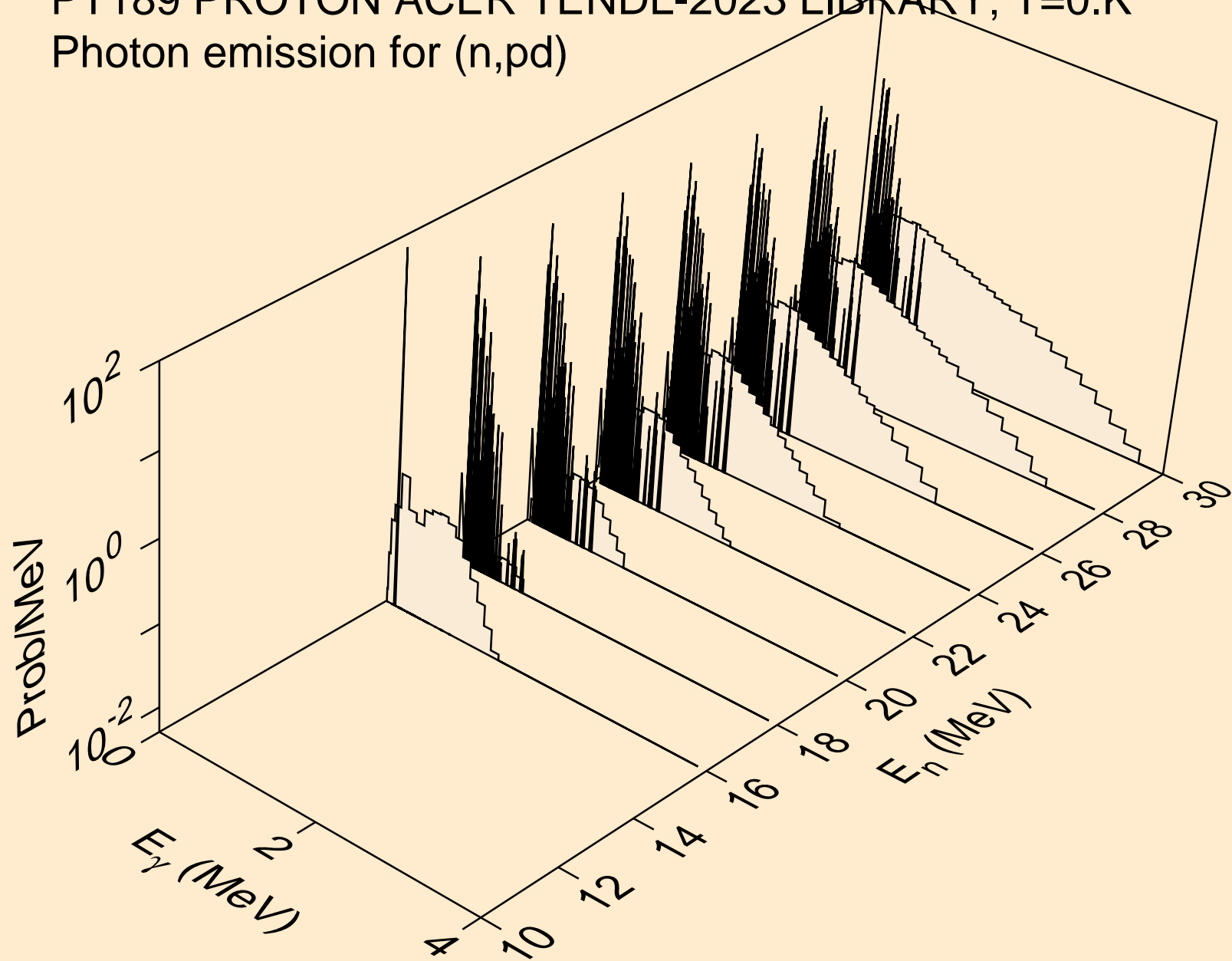
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



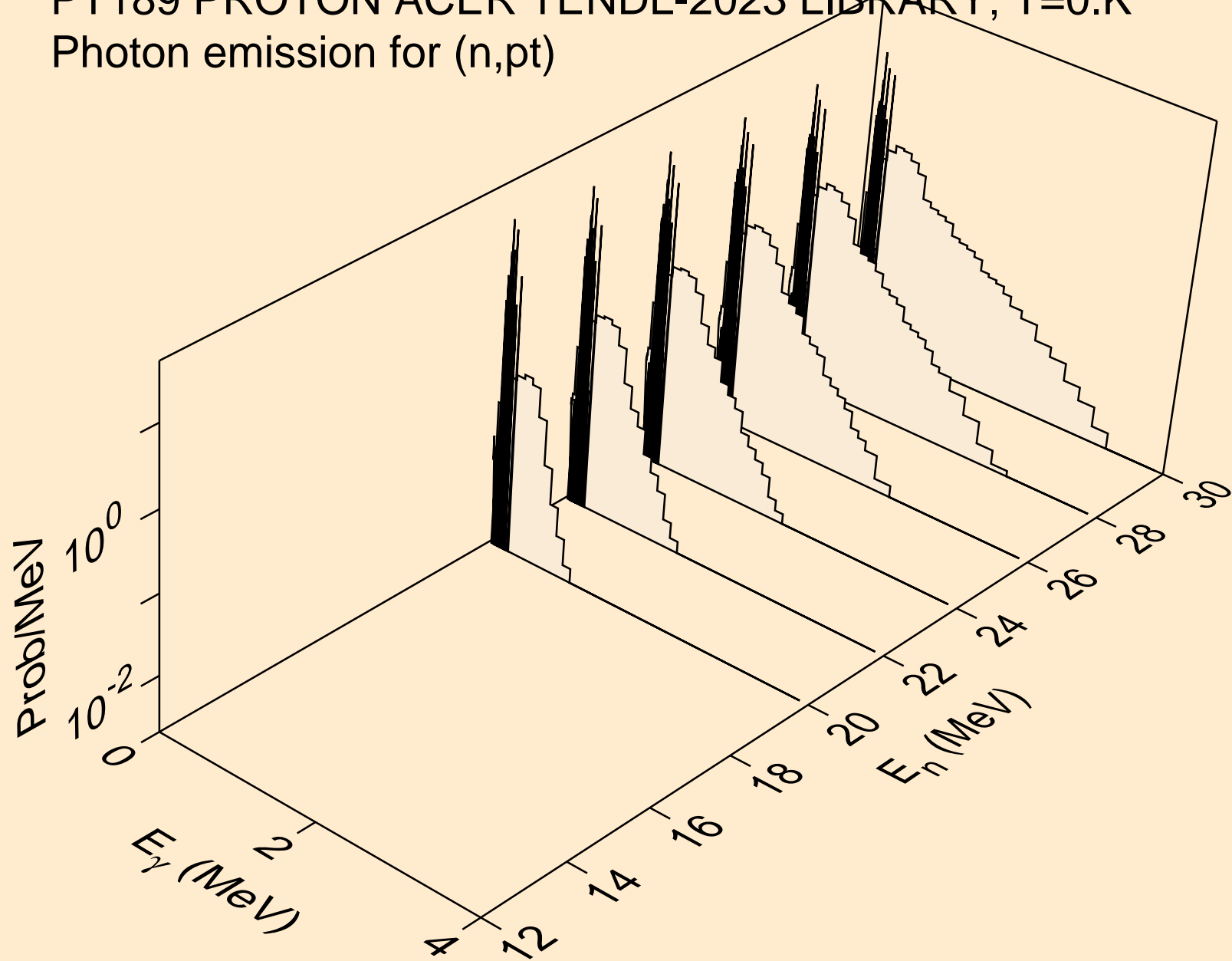
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)



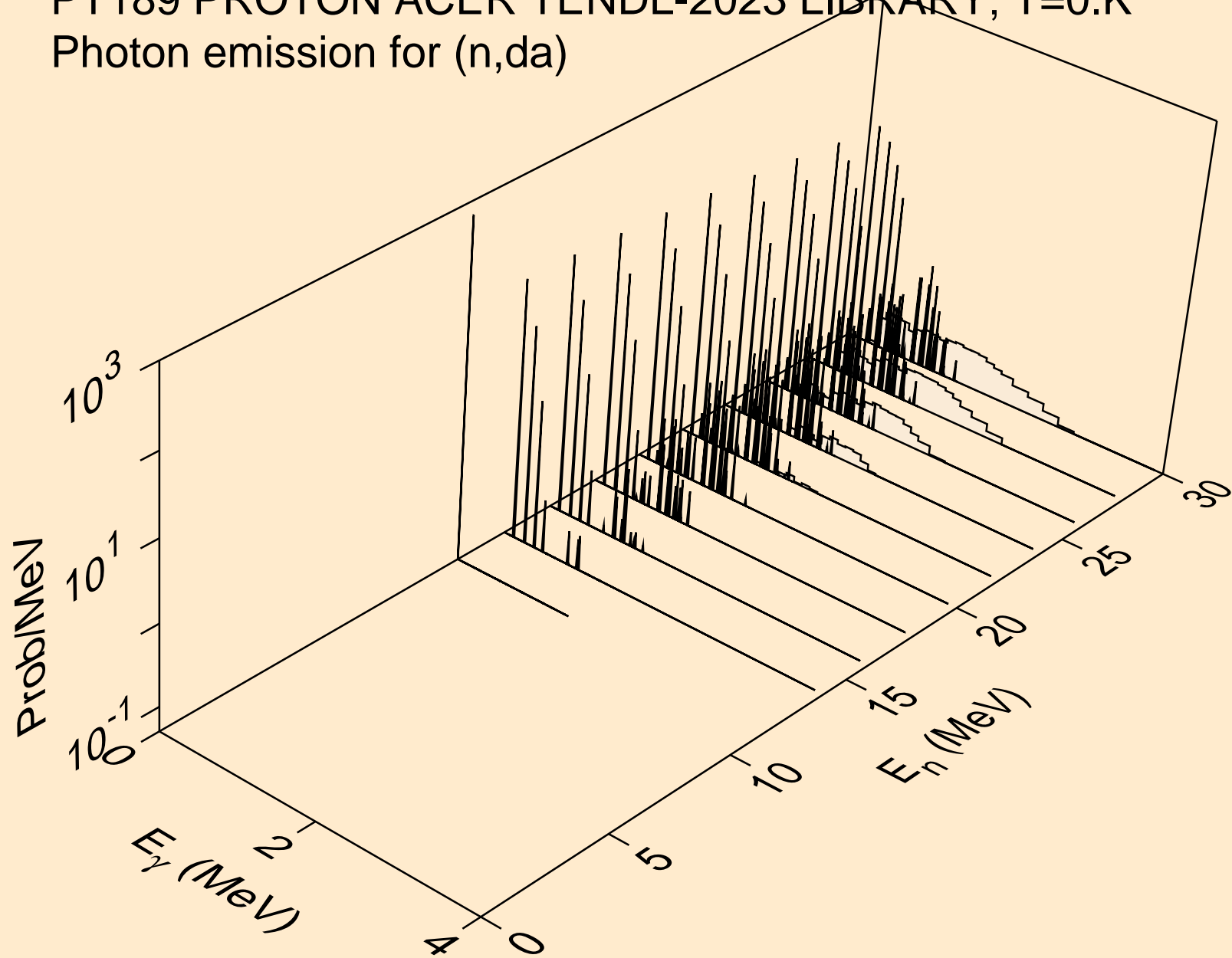
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



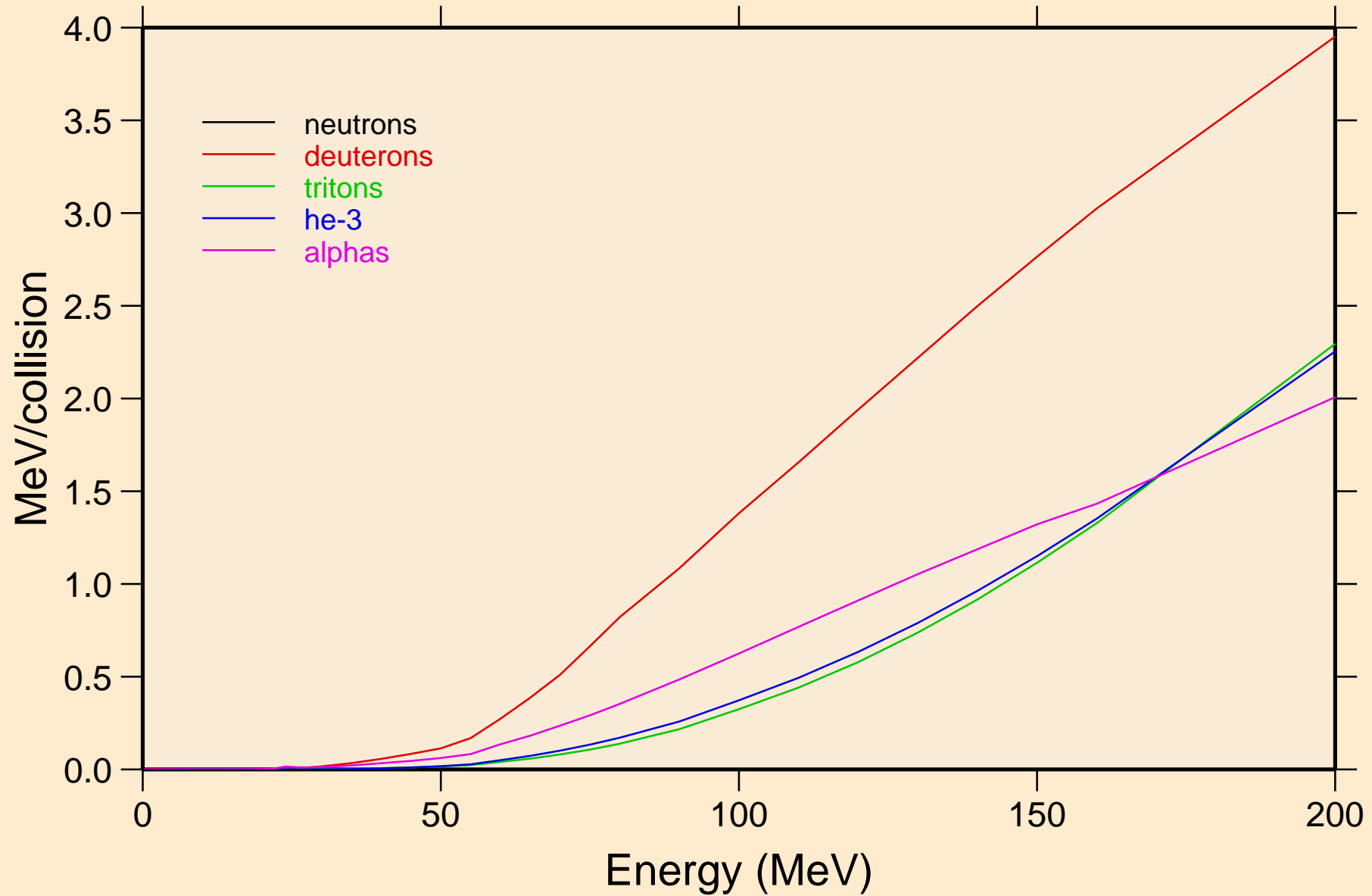
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)

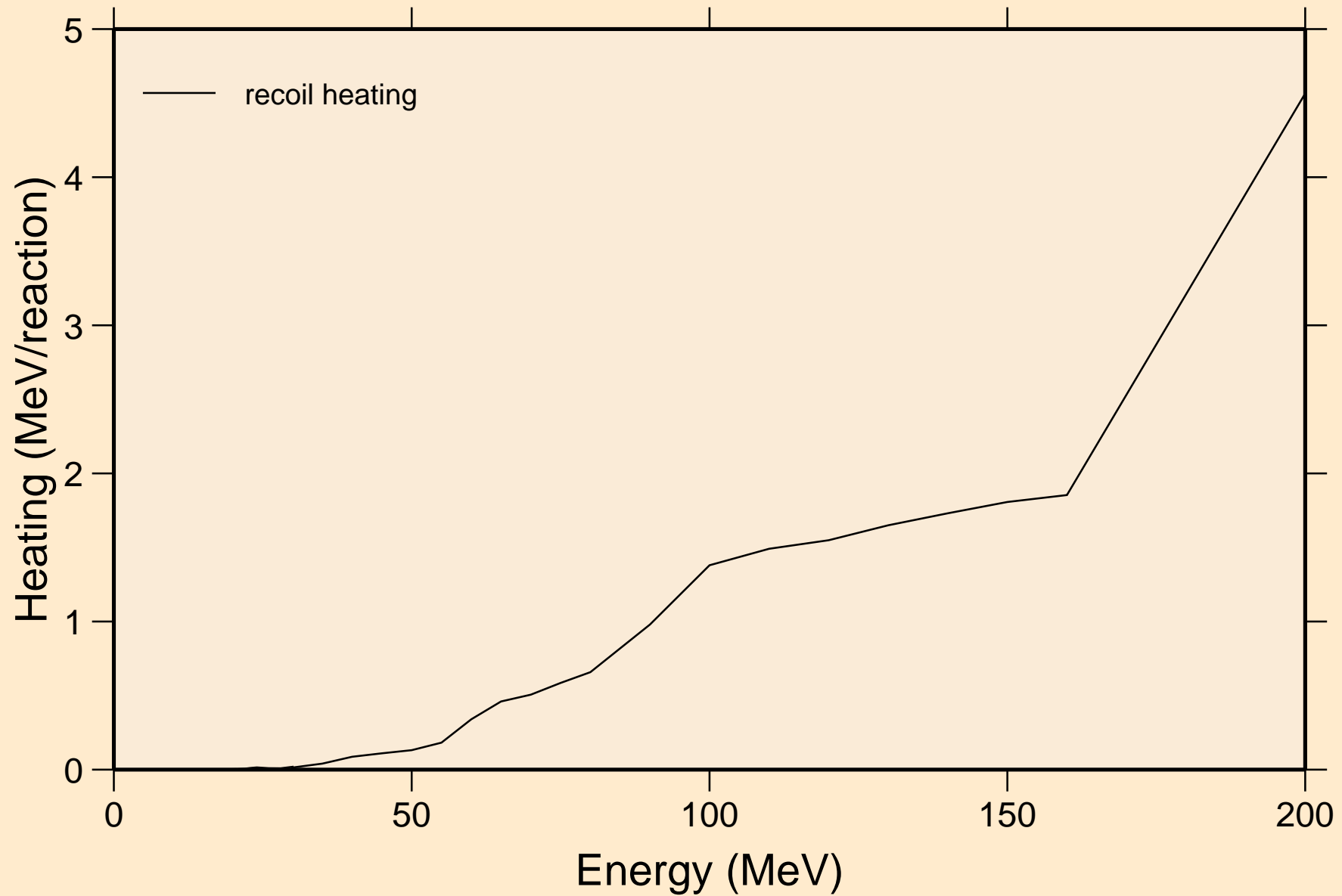


PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

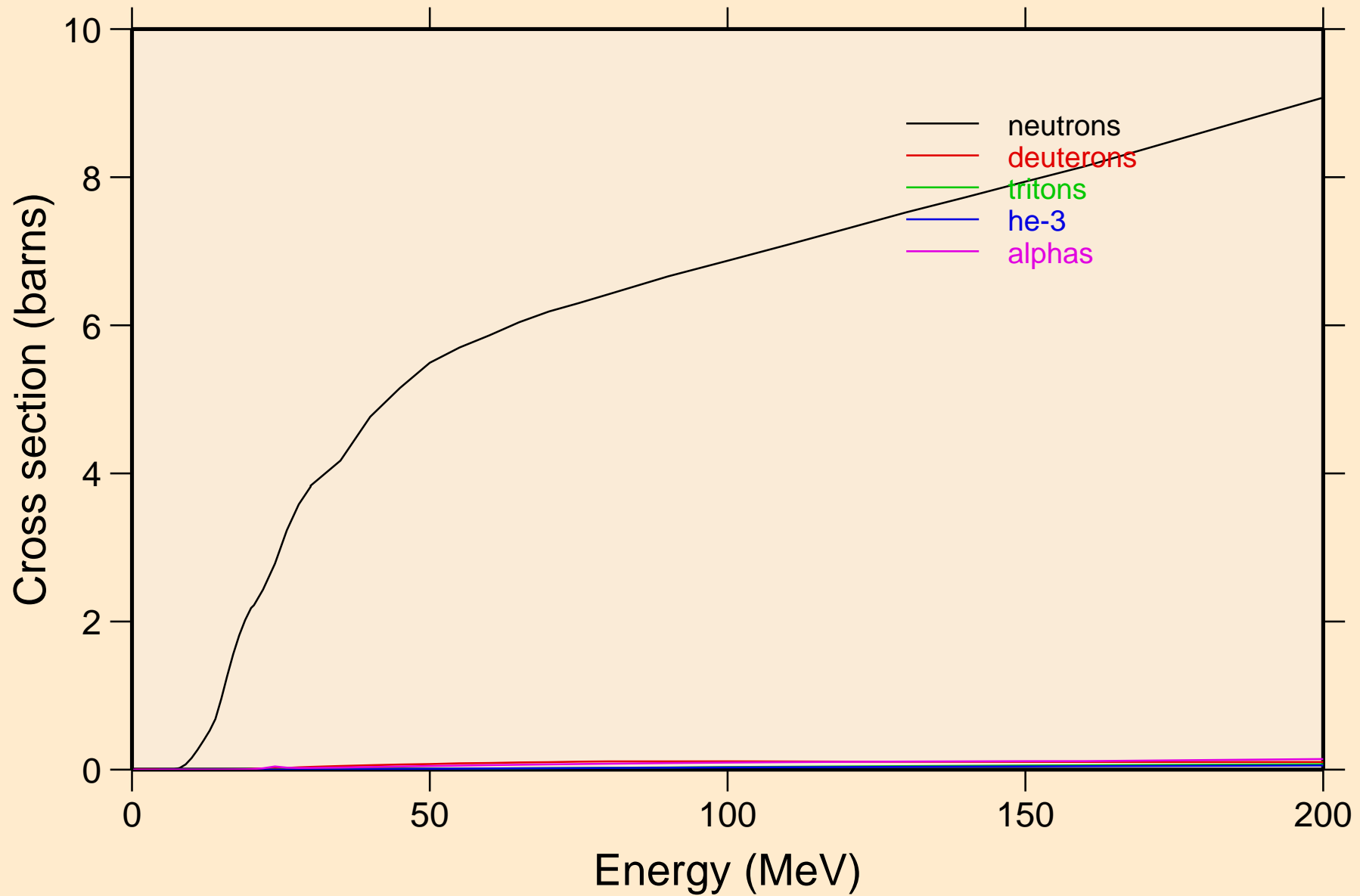


PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K

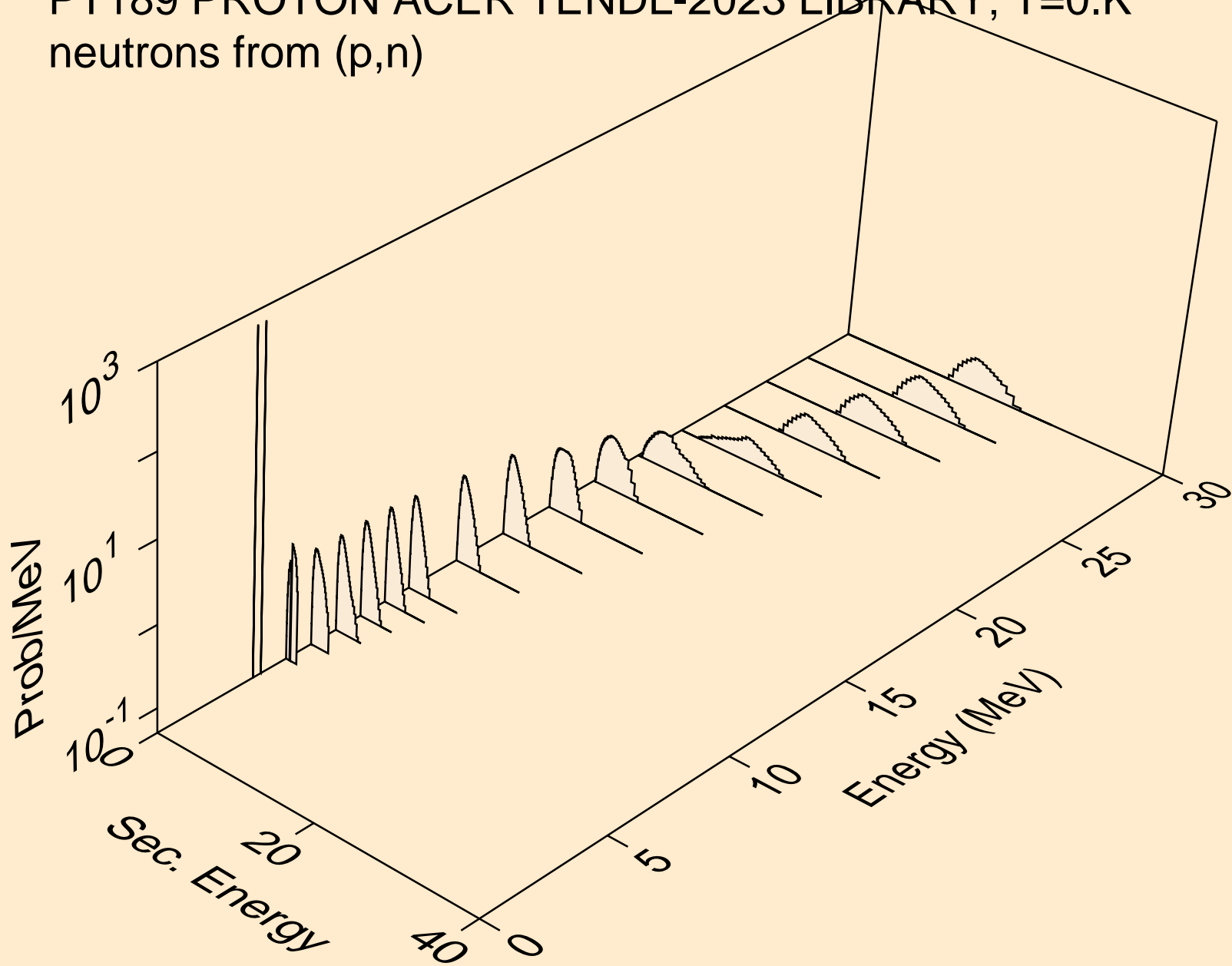
Recoil Heating



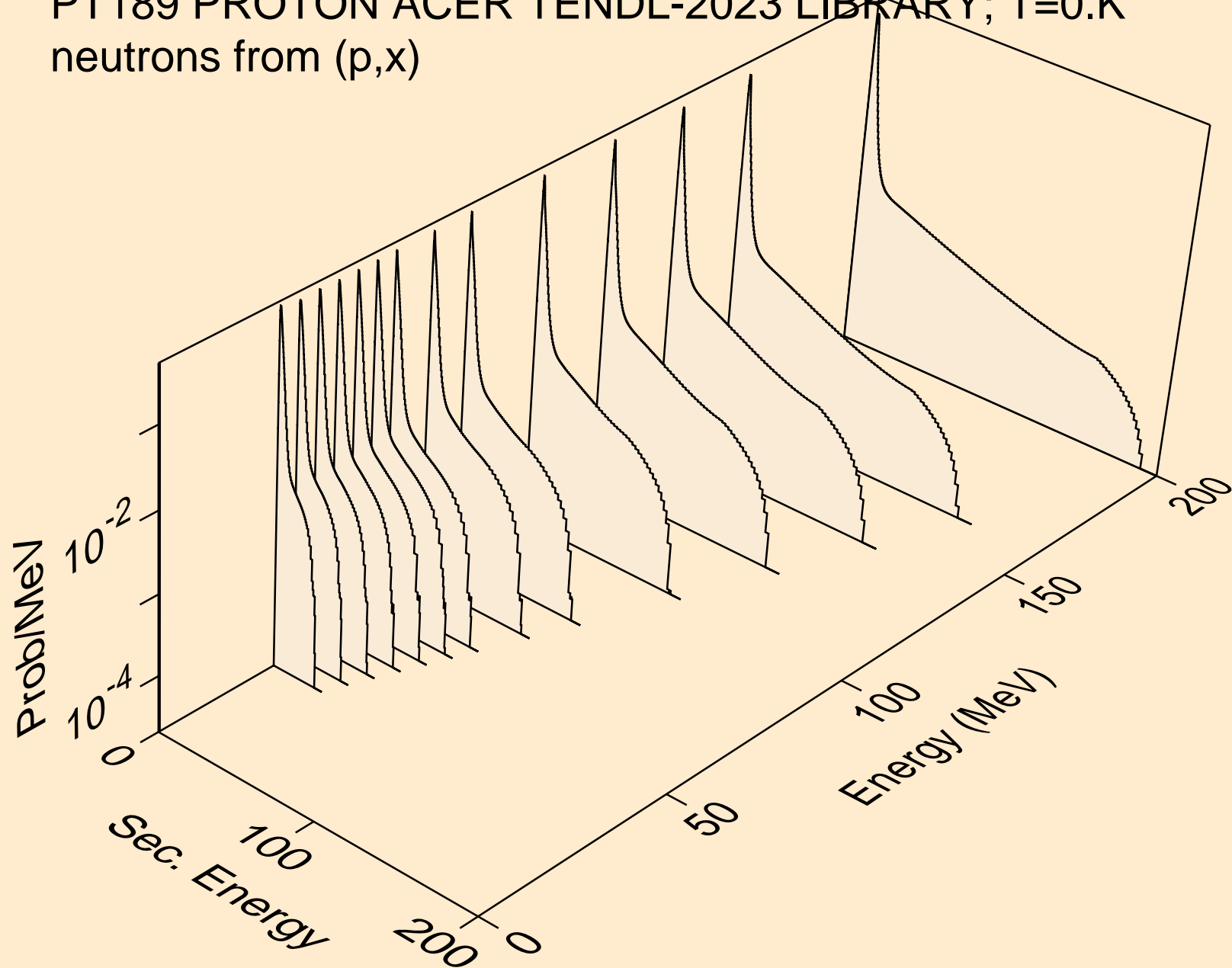
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections



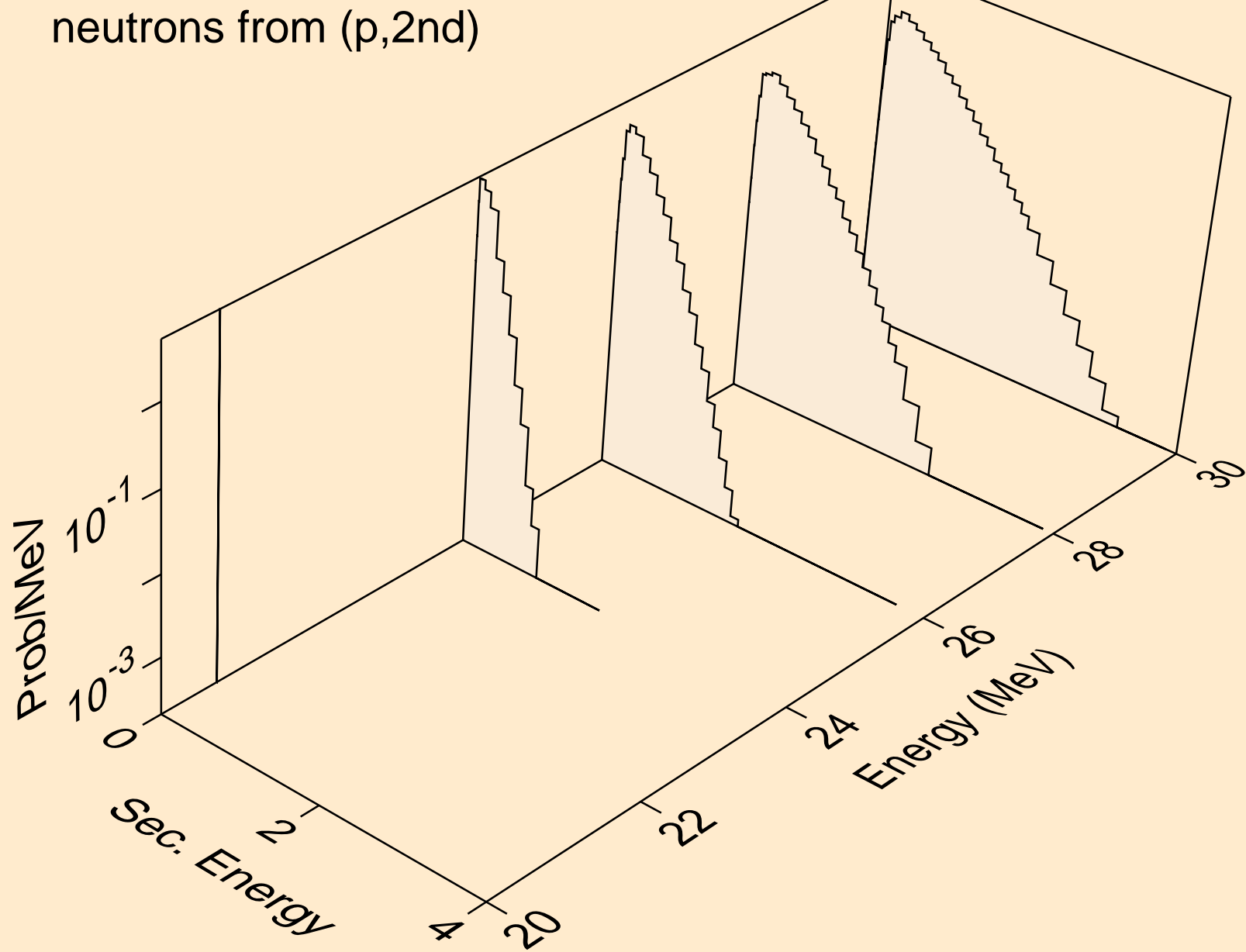
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



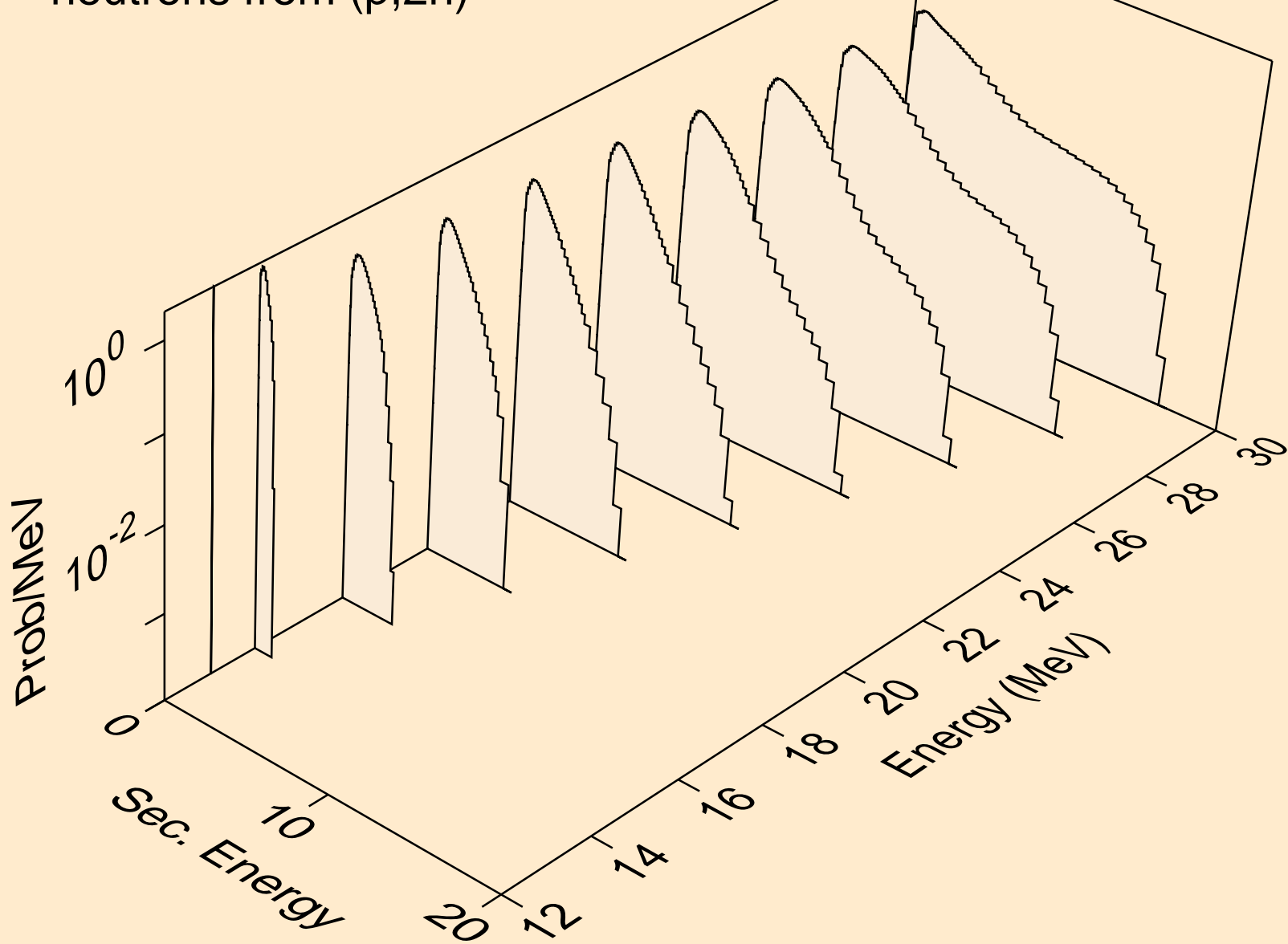
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



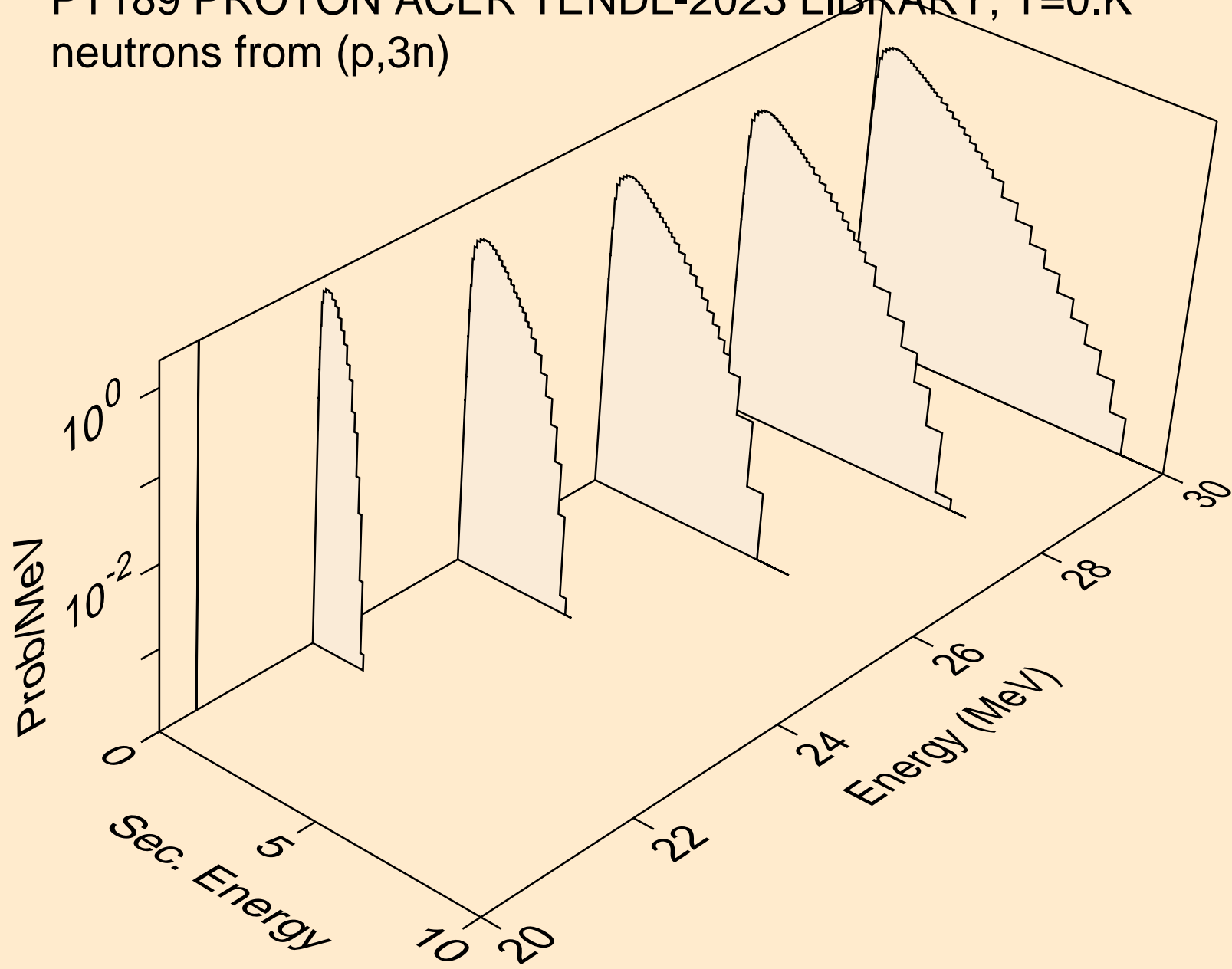
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2nd)



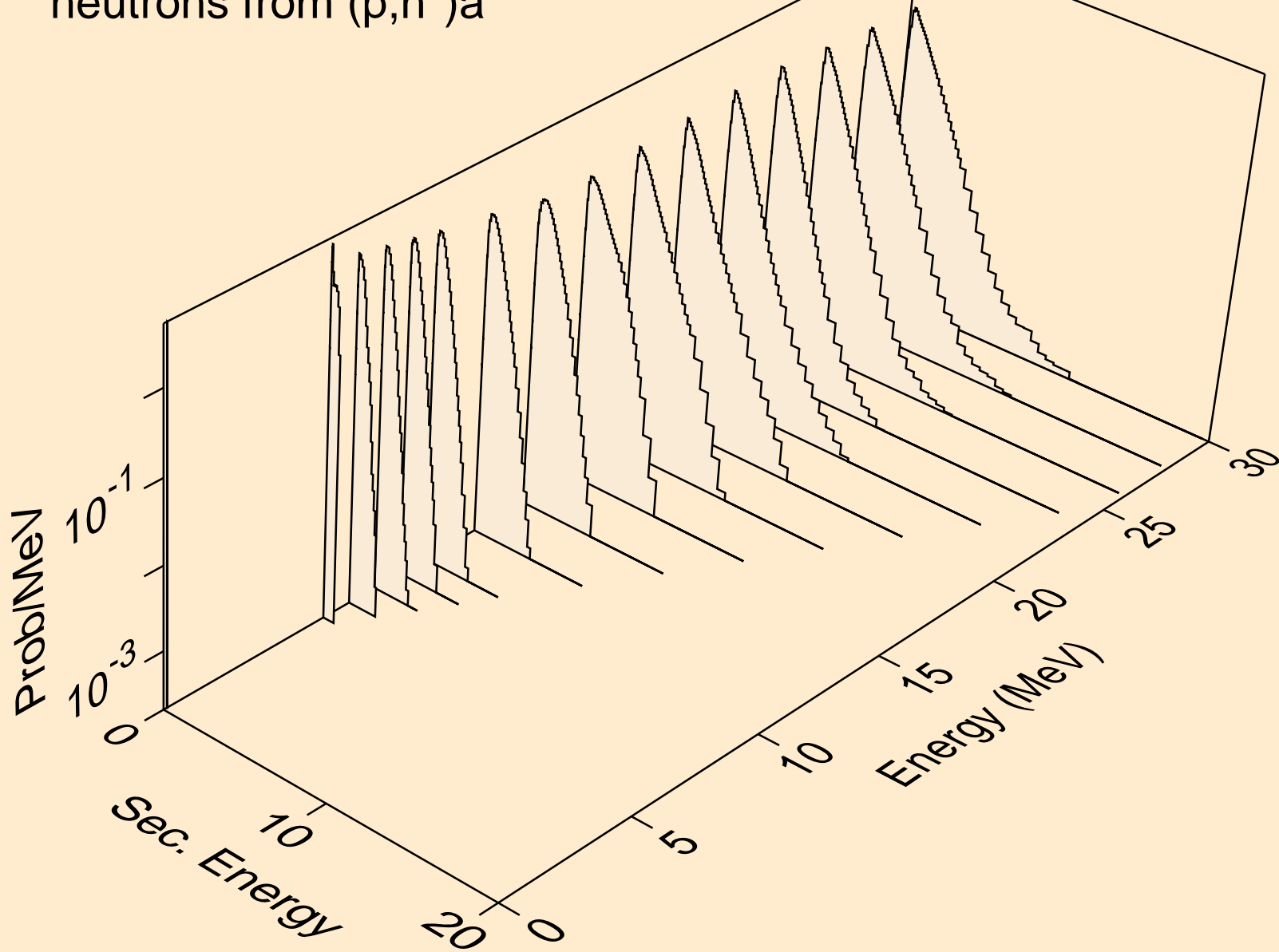
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



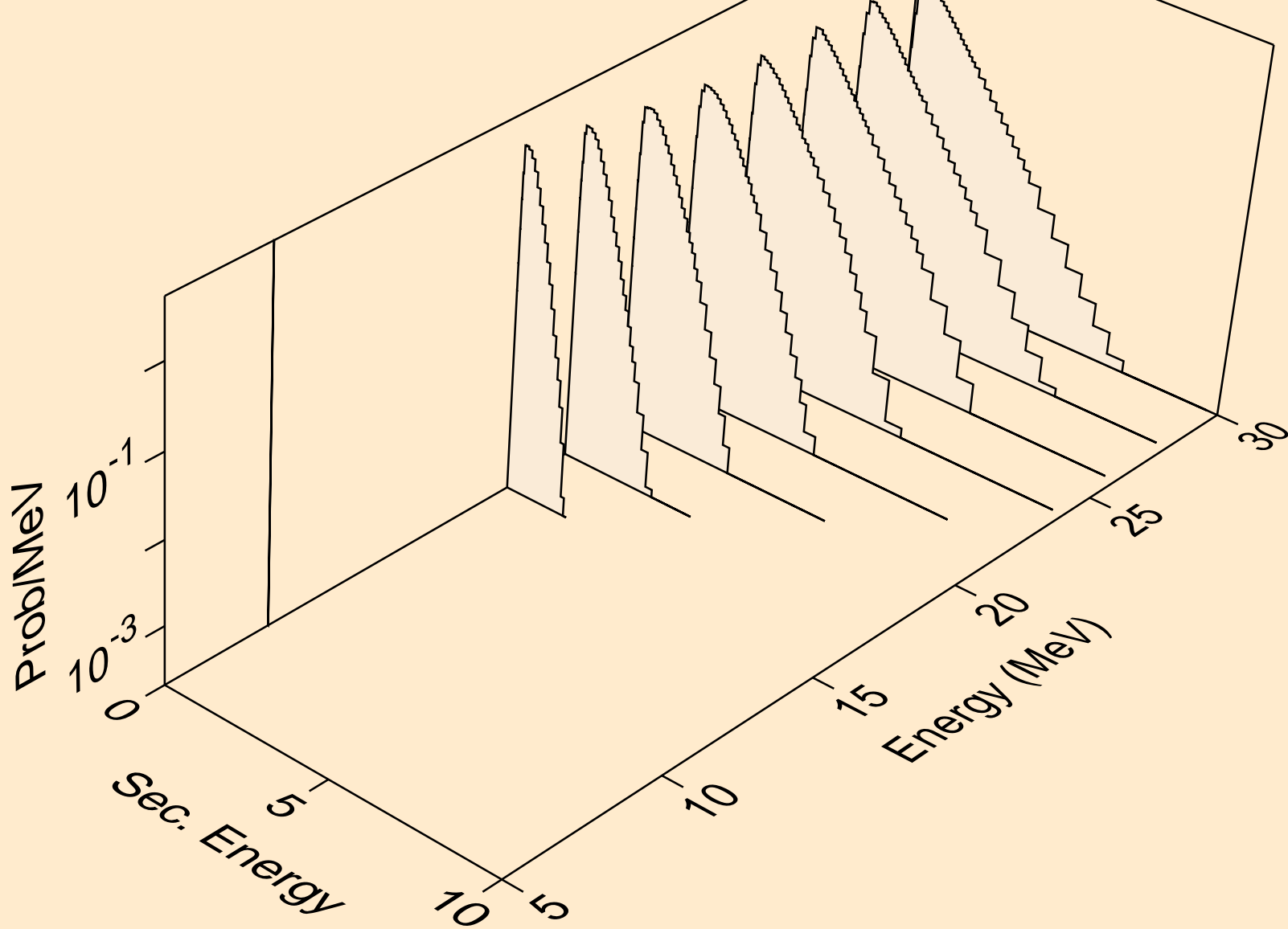
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)



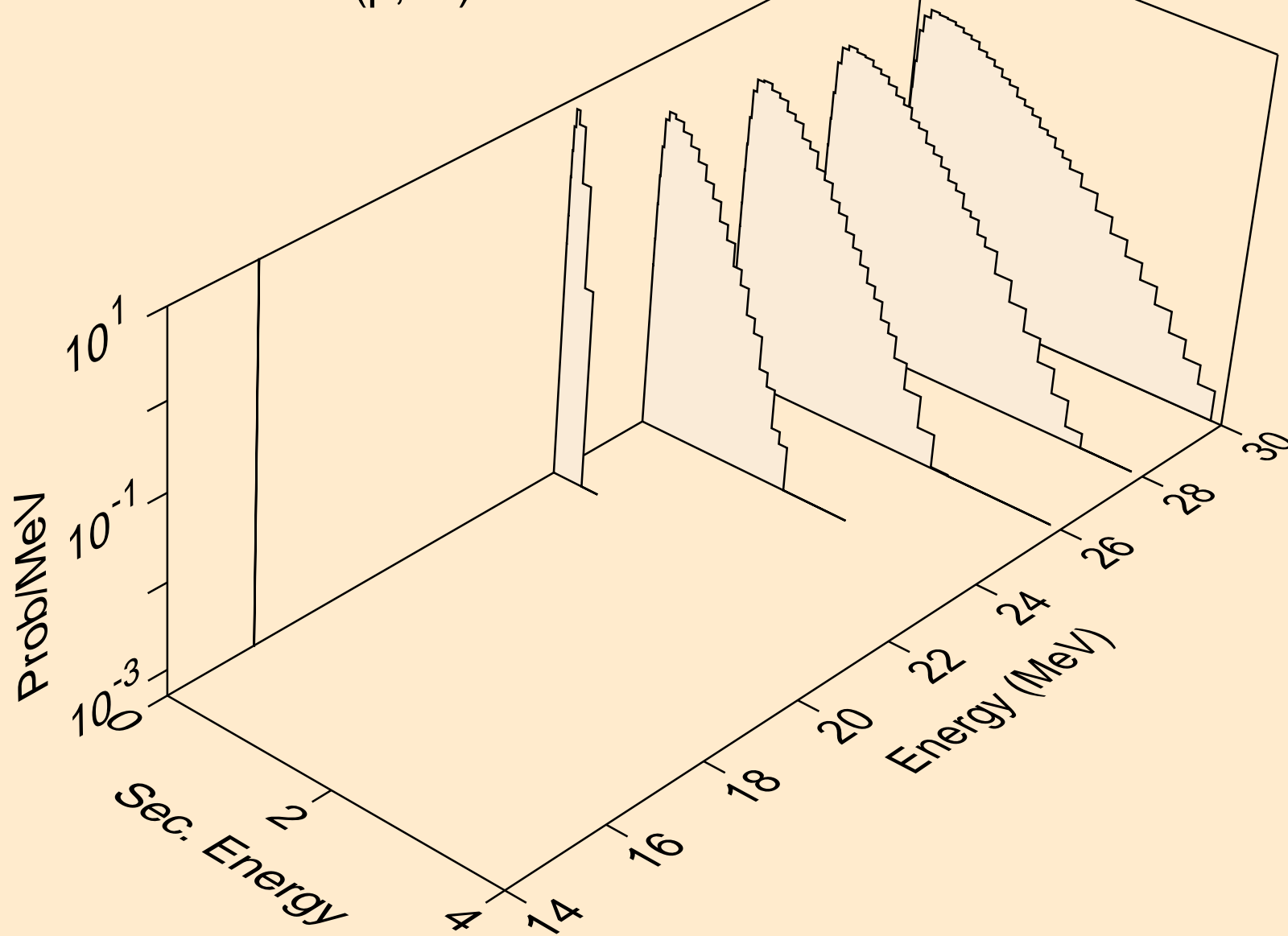
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



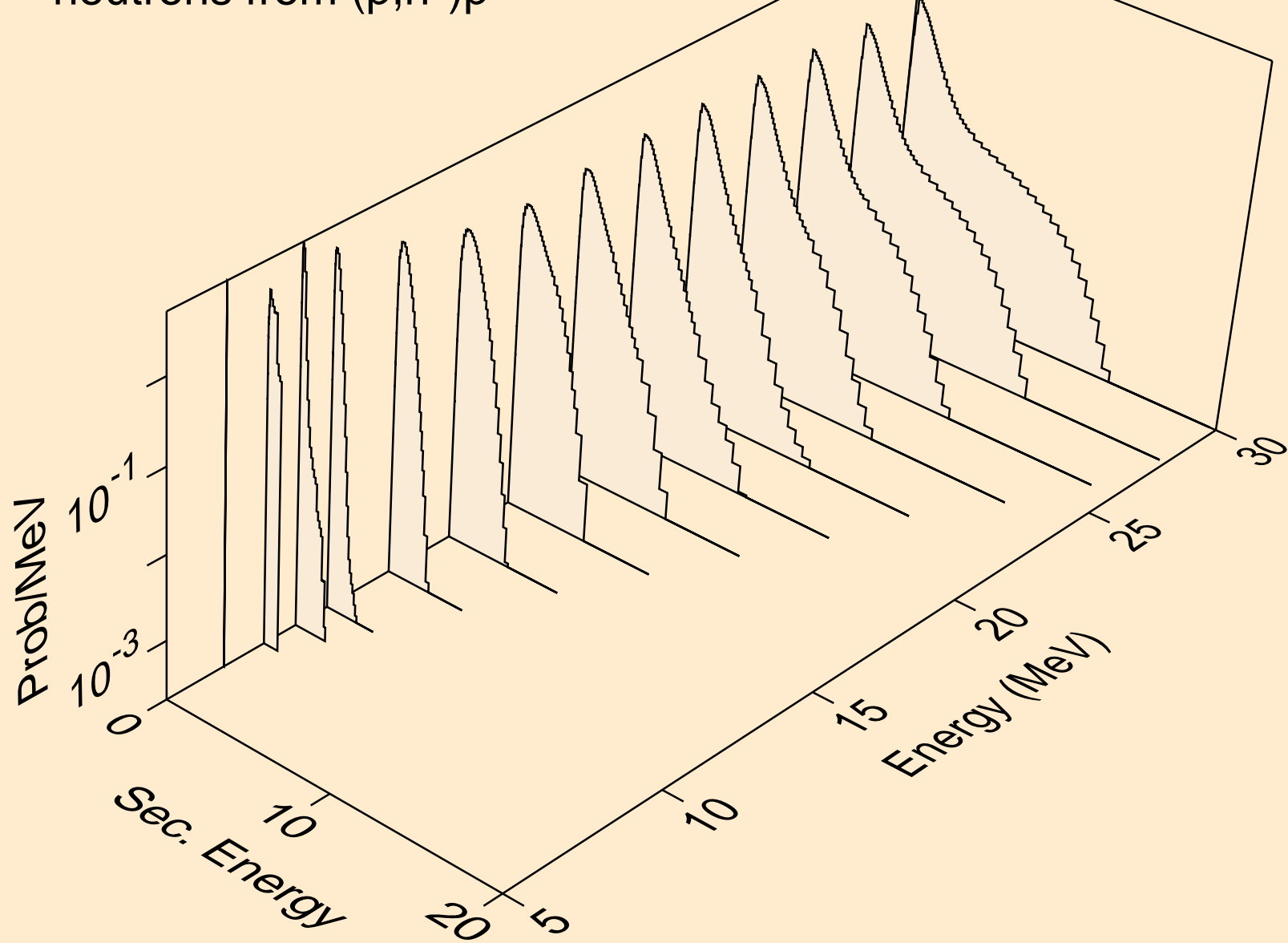
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



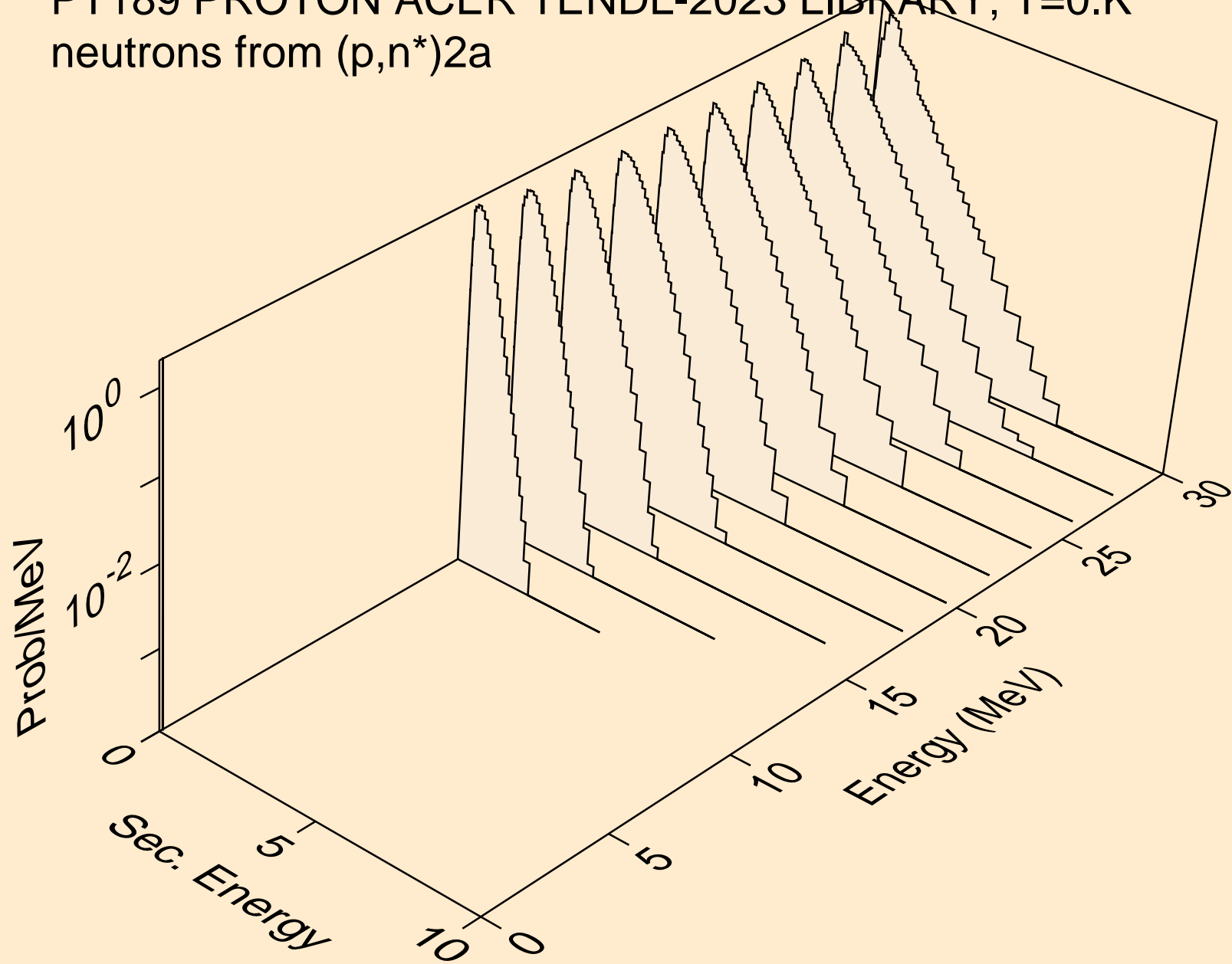
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3n)a



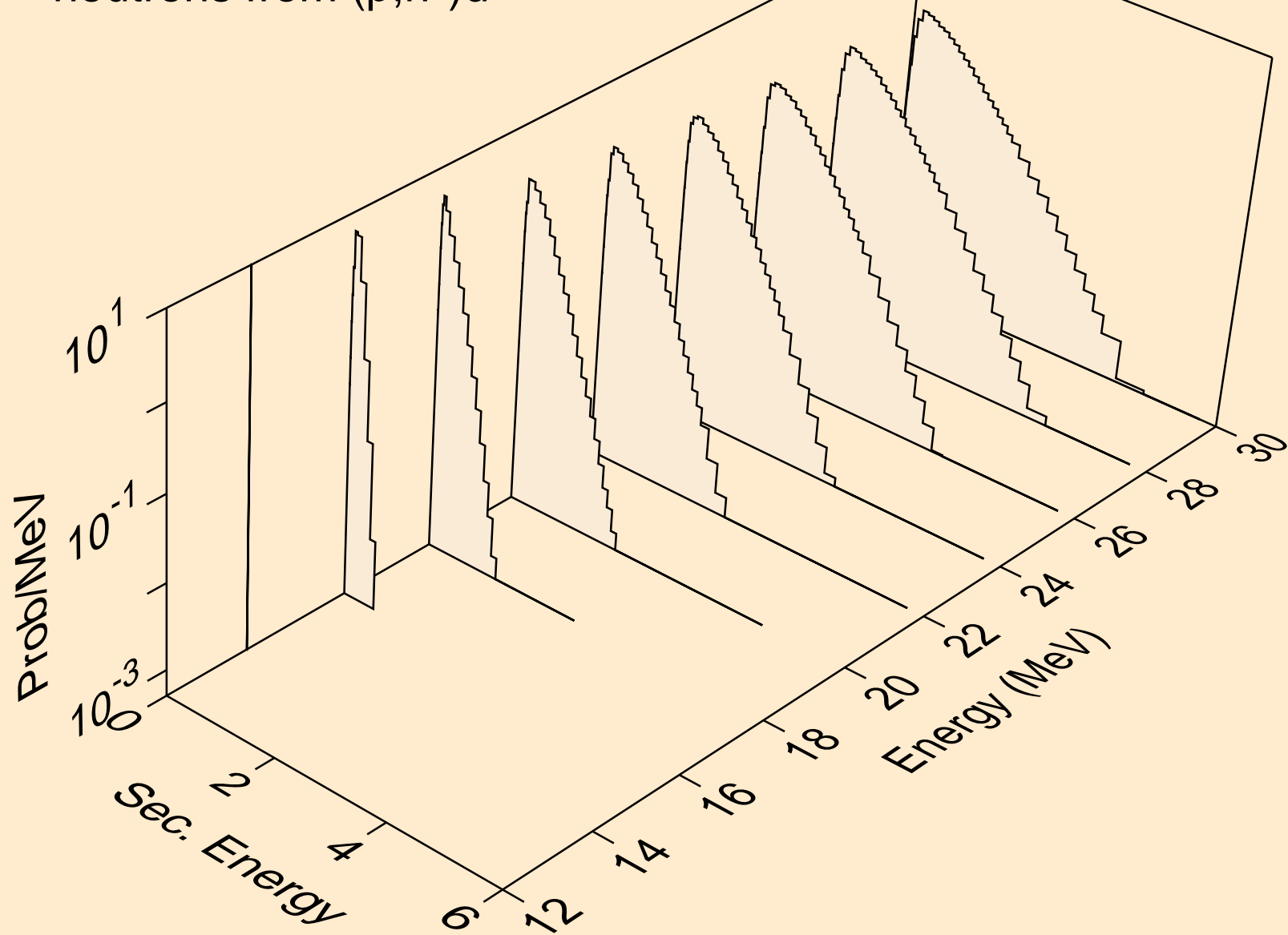
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p



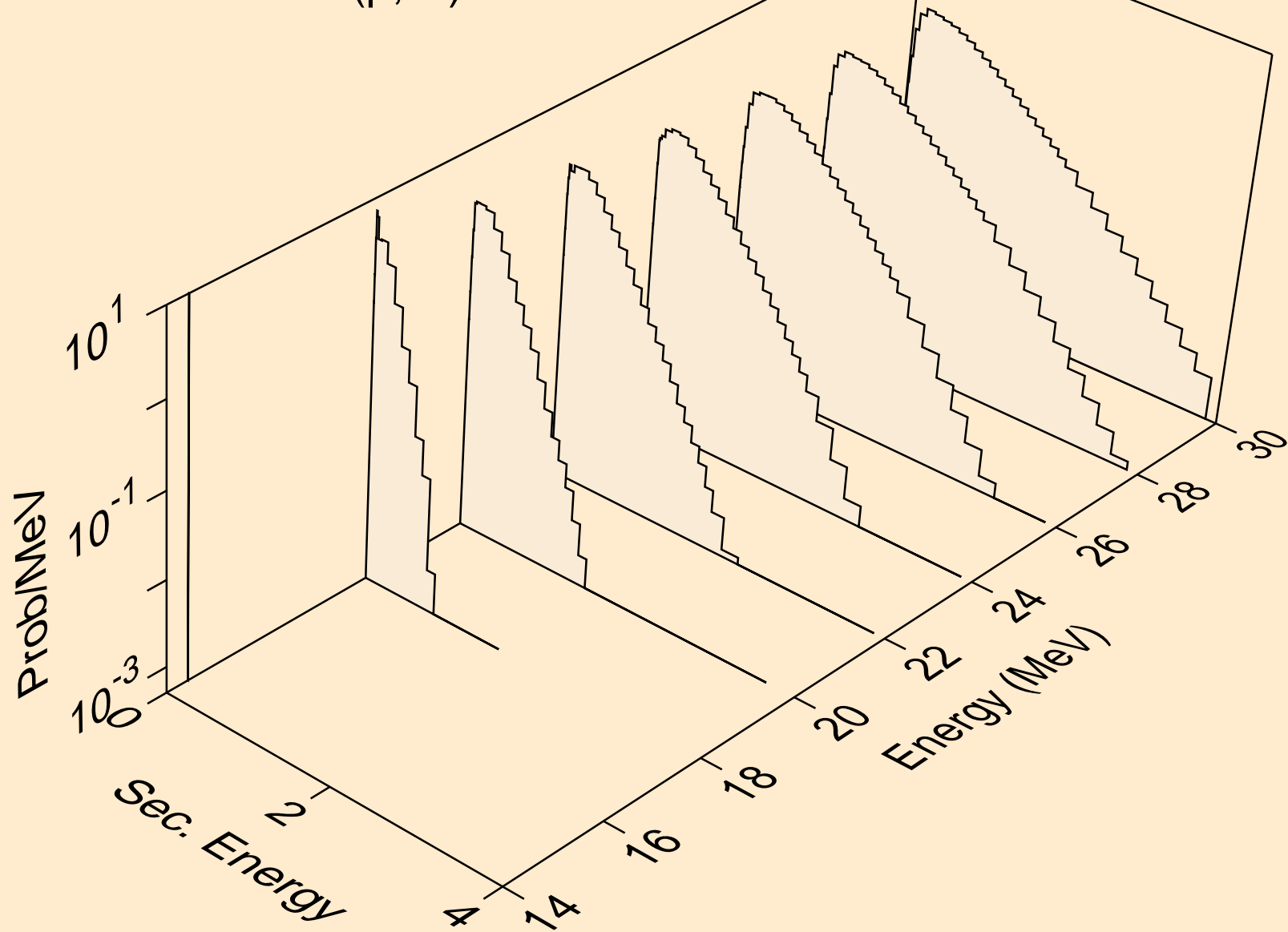
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)2a



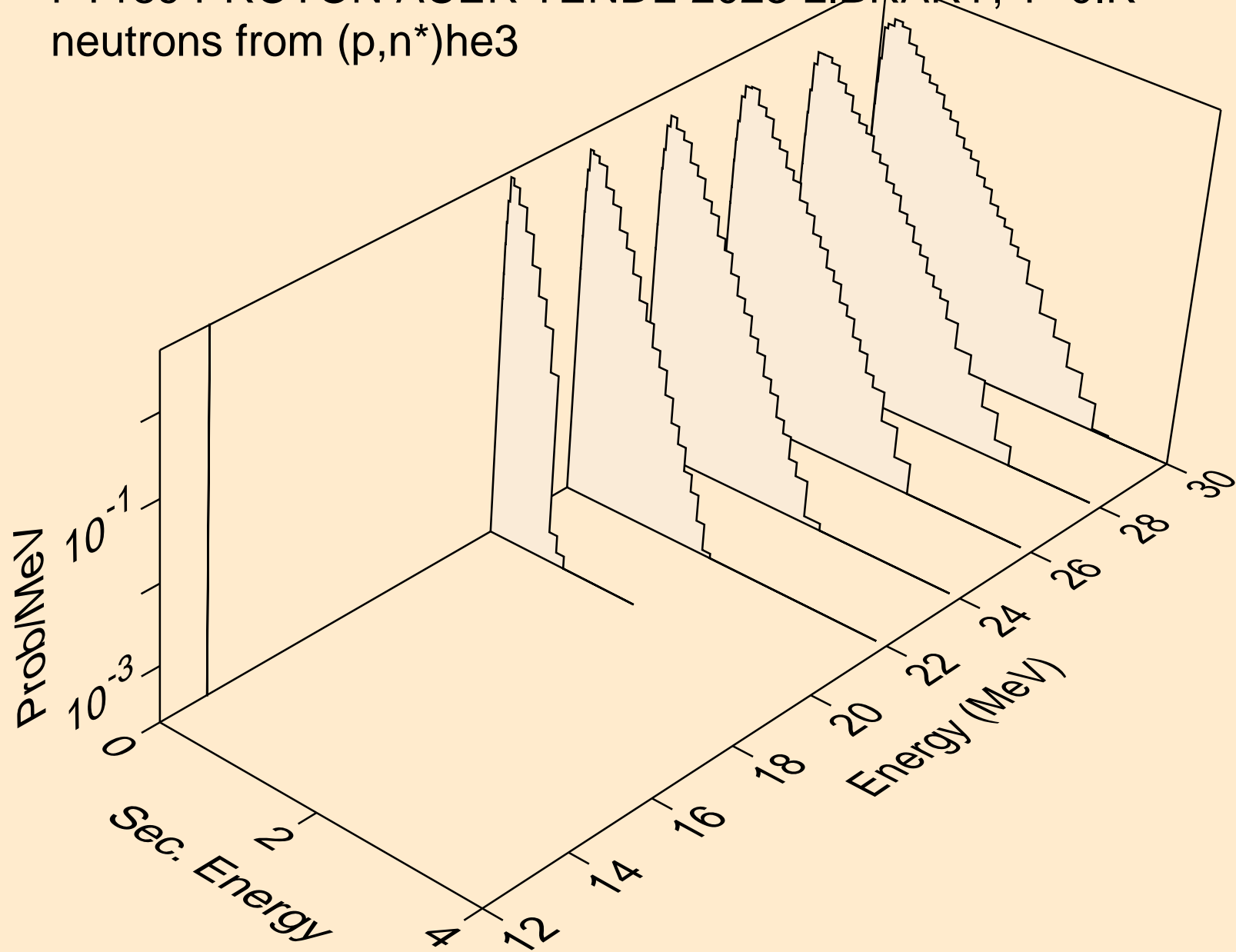
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d



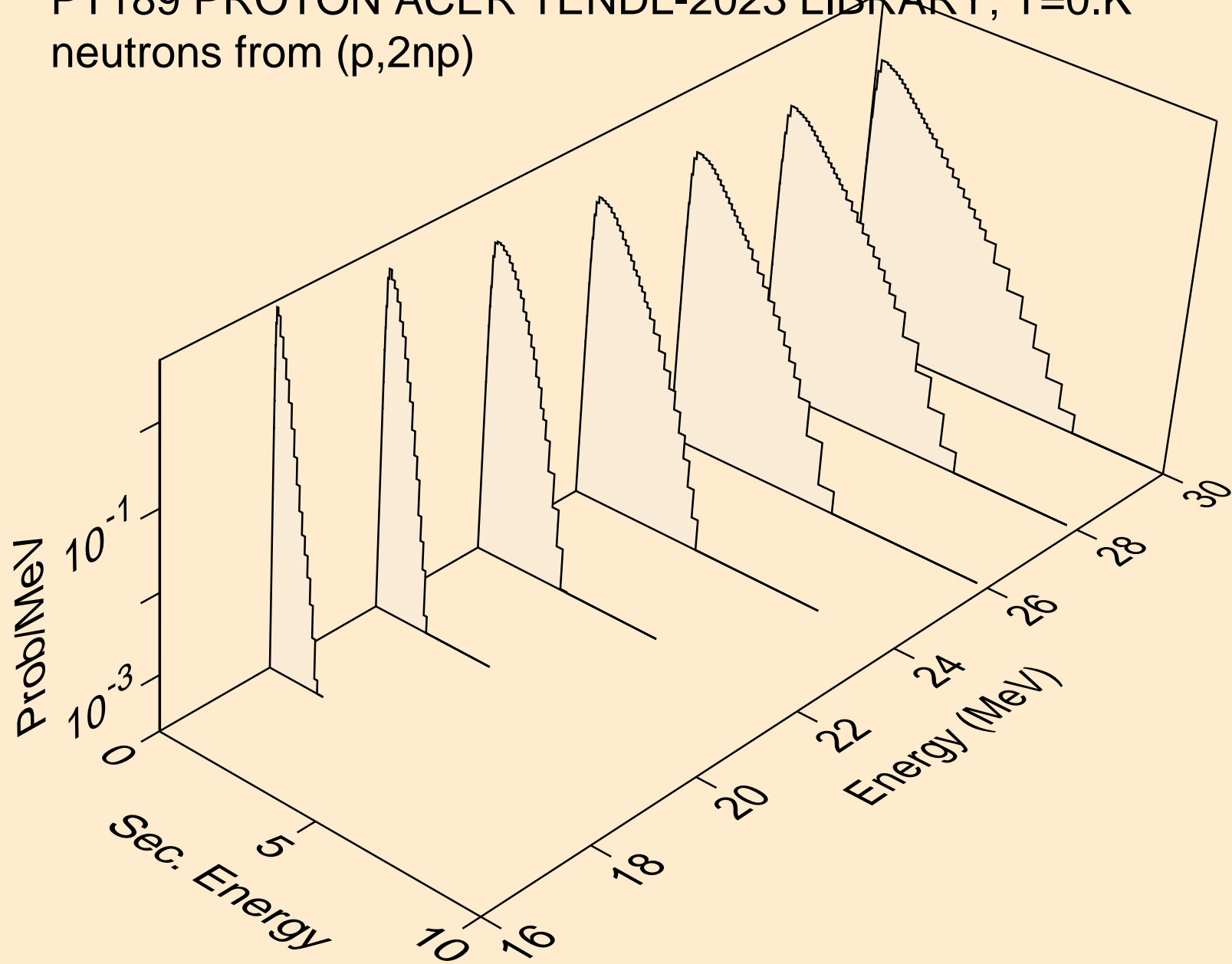
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)t



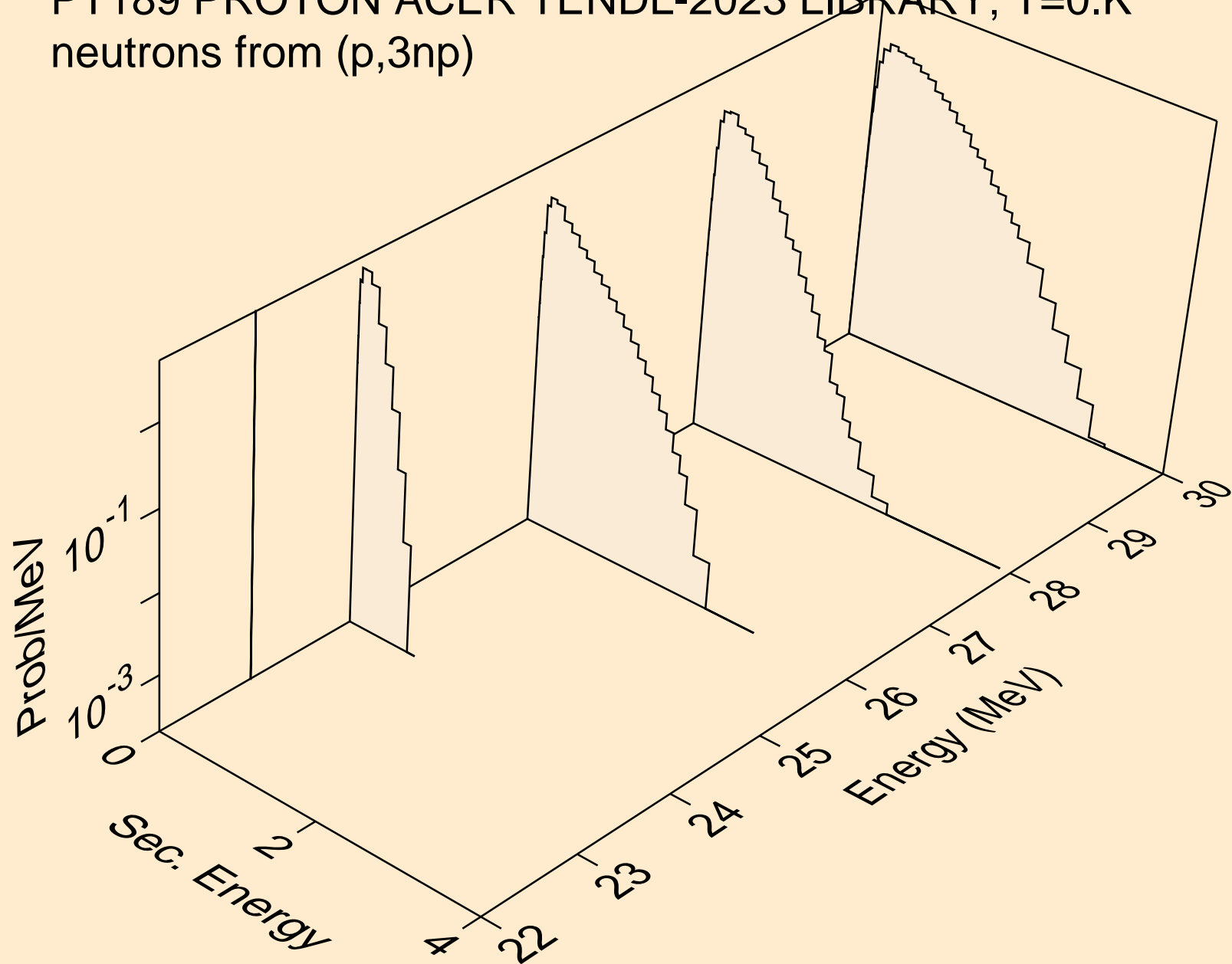
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



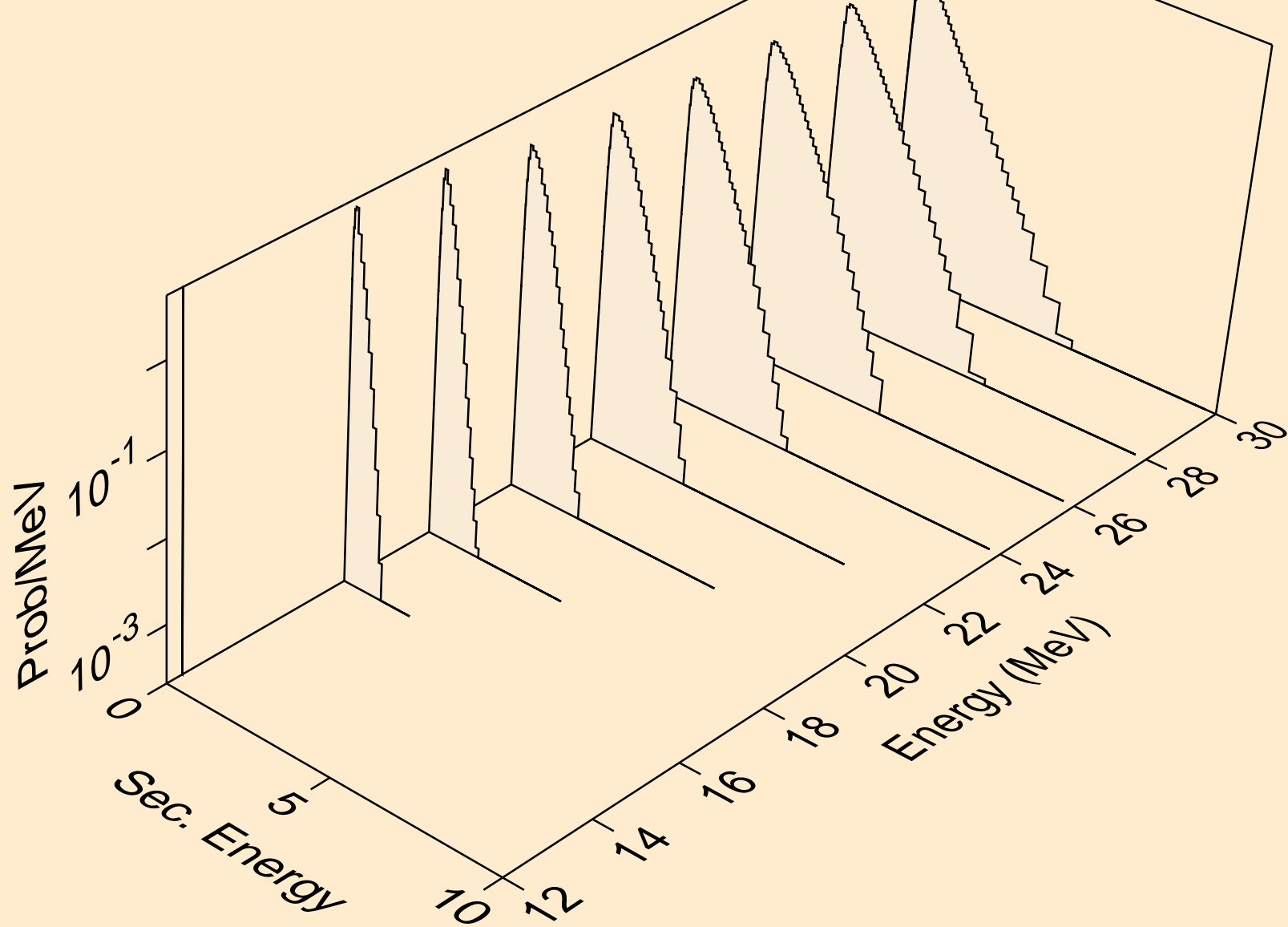
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2np)



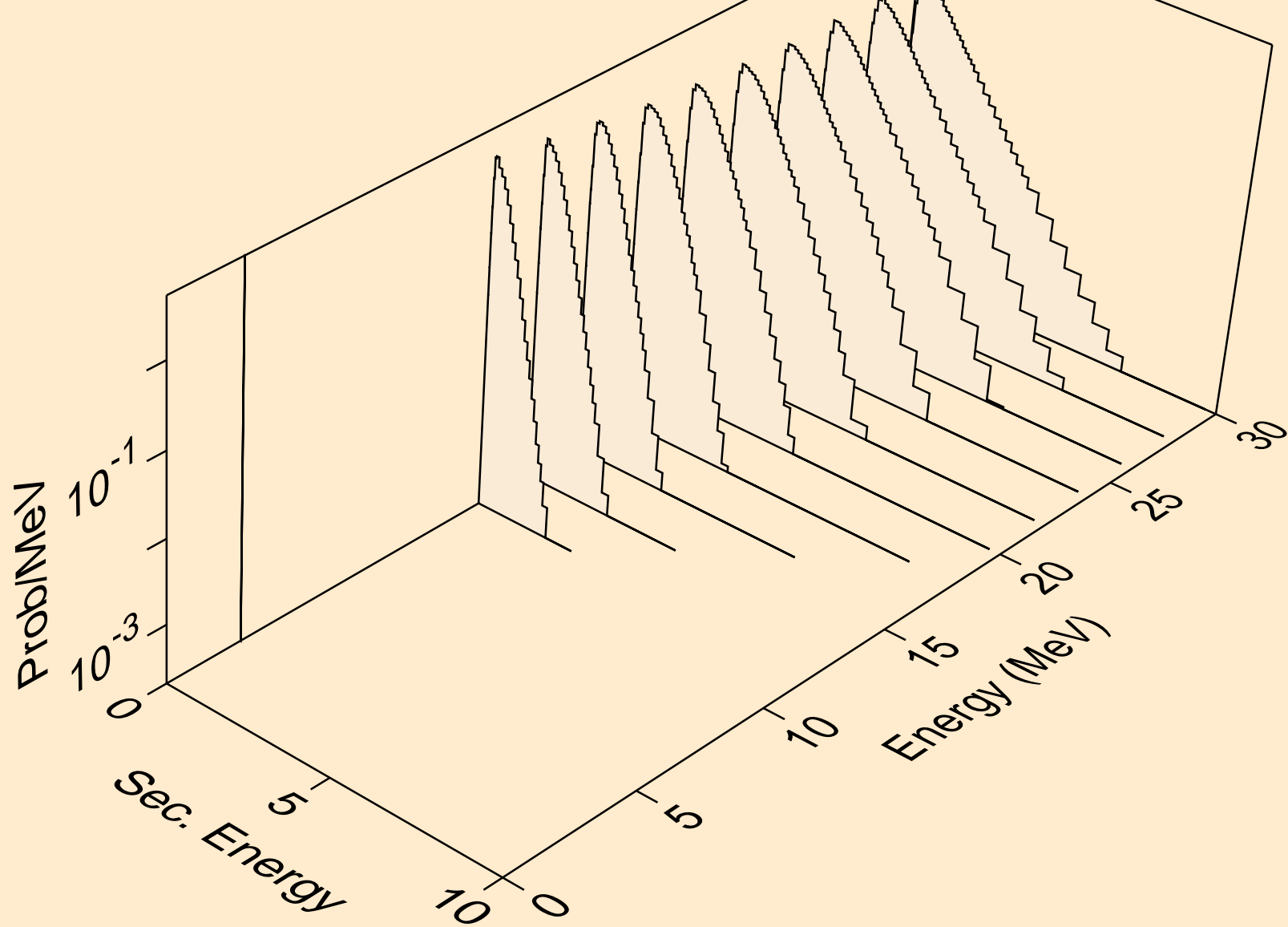
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,3np)



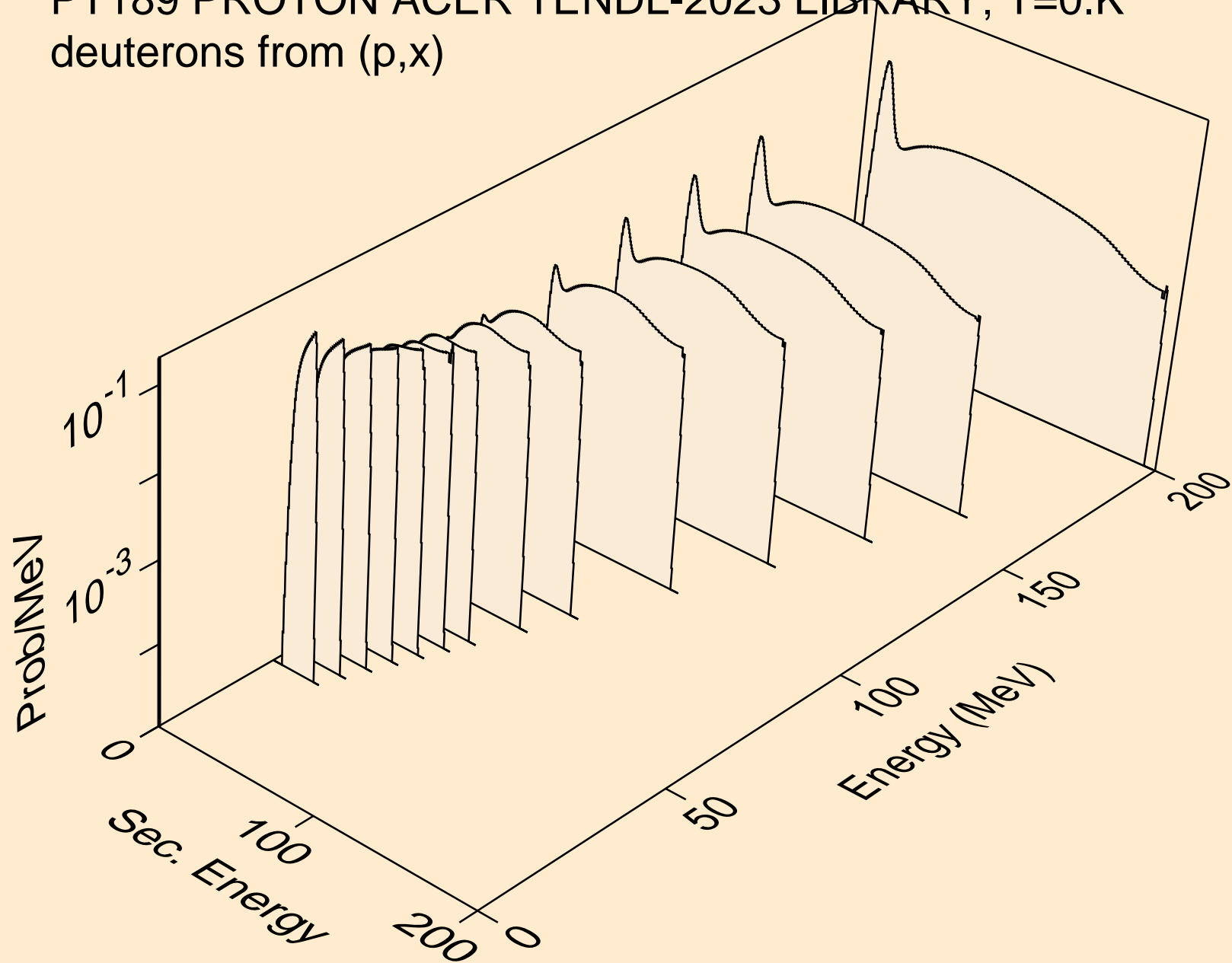
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)



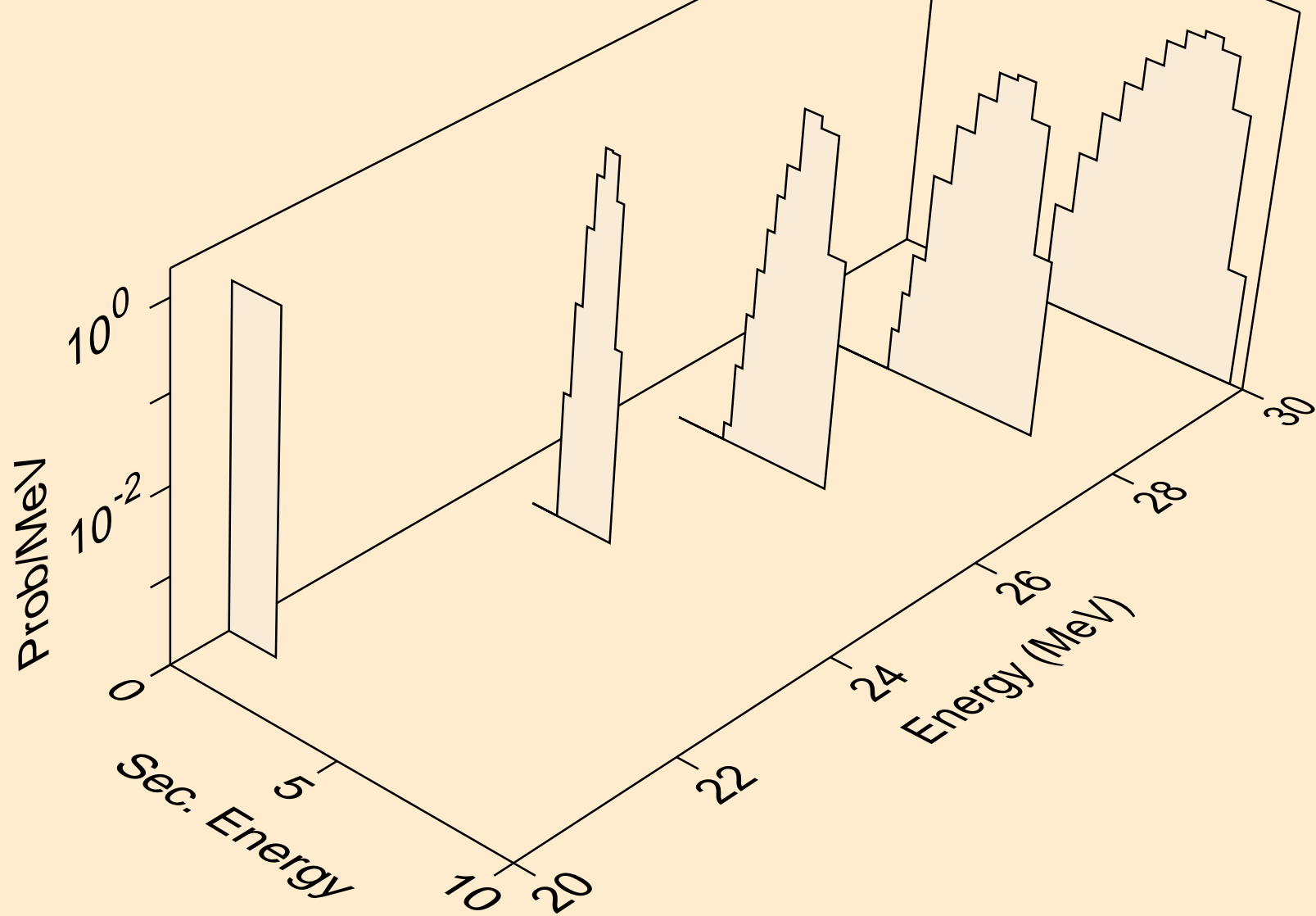
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,npa)



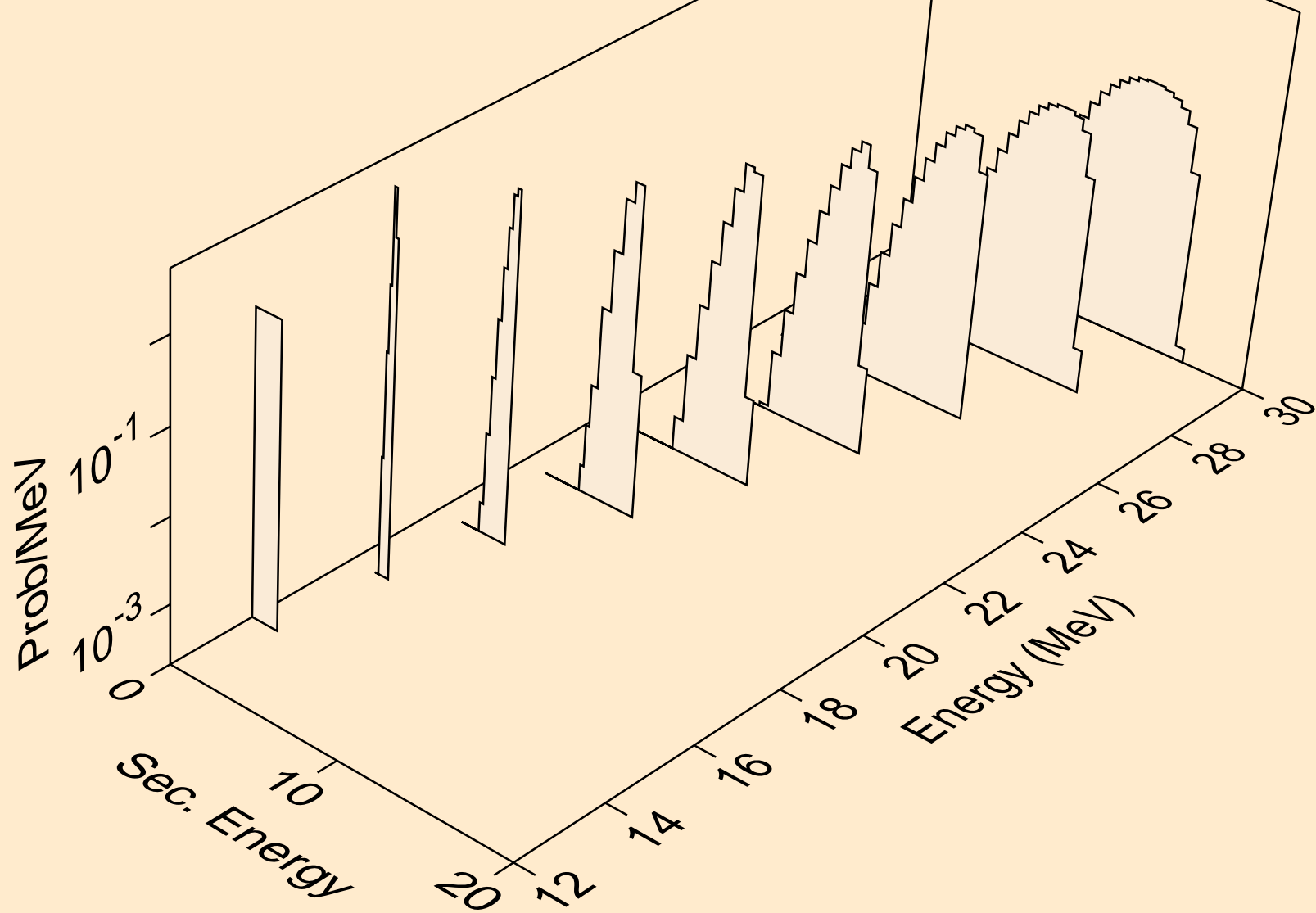
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)



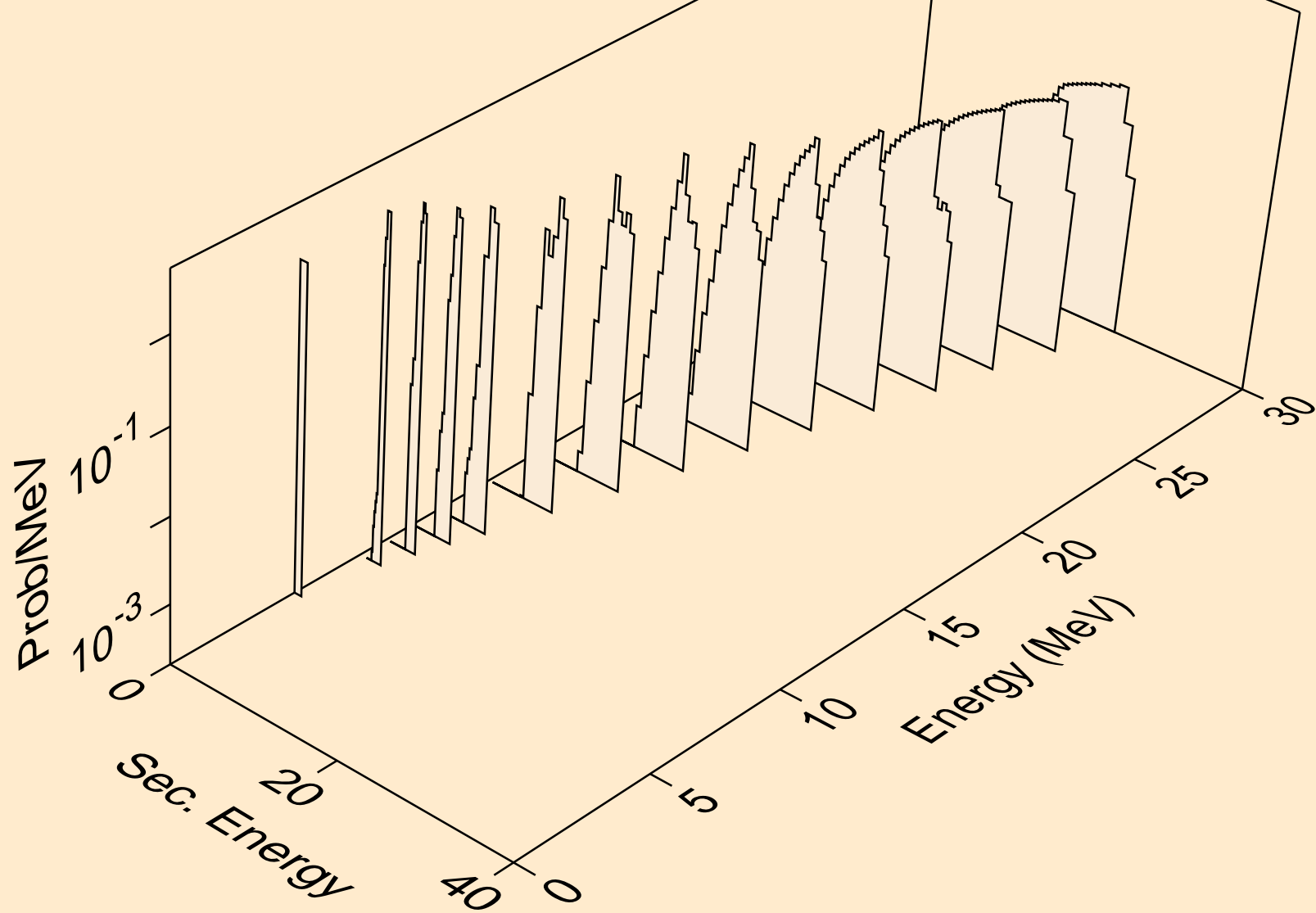
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,2nd)



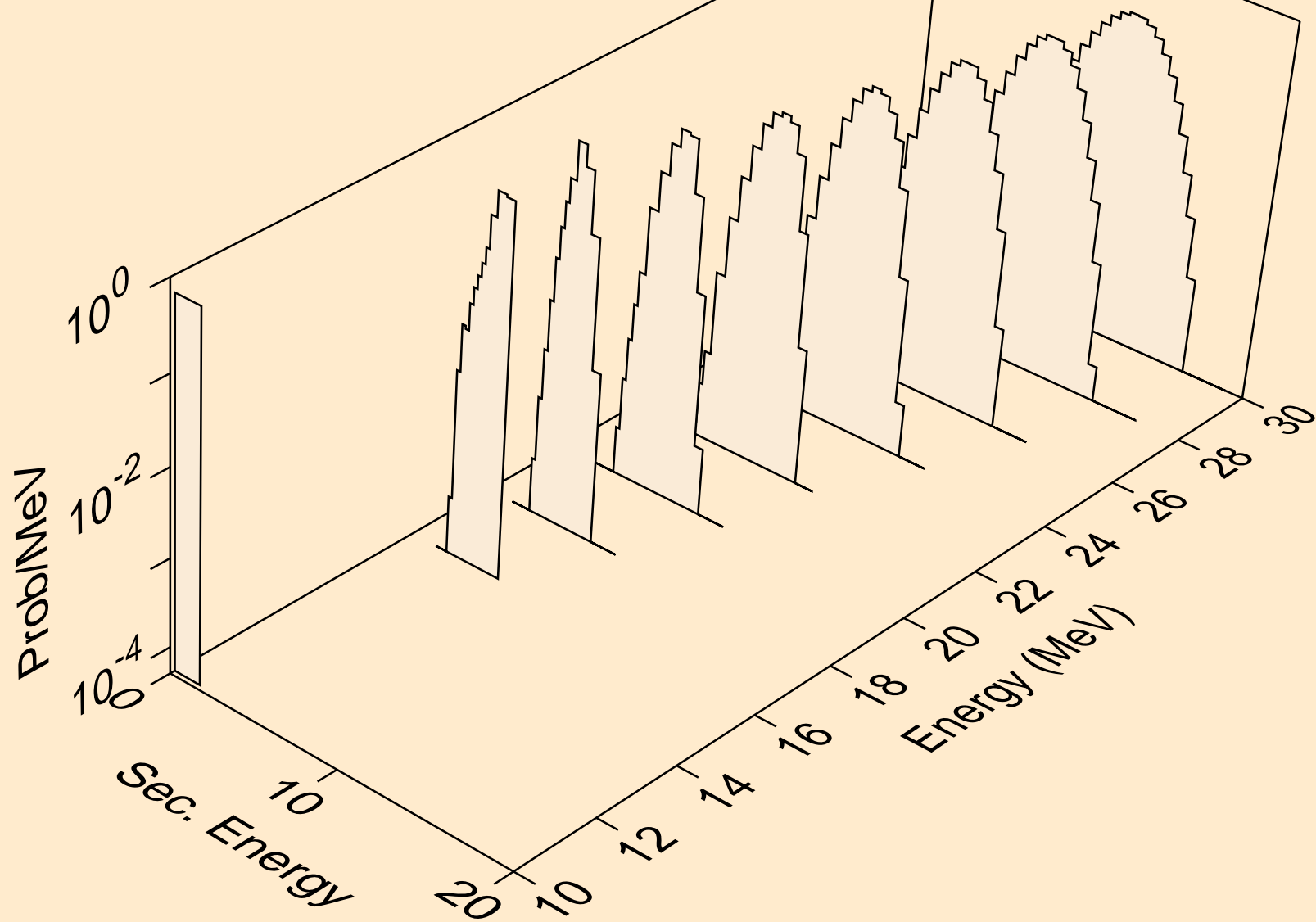
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d



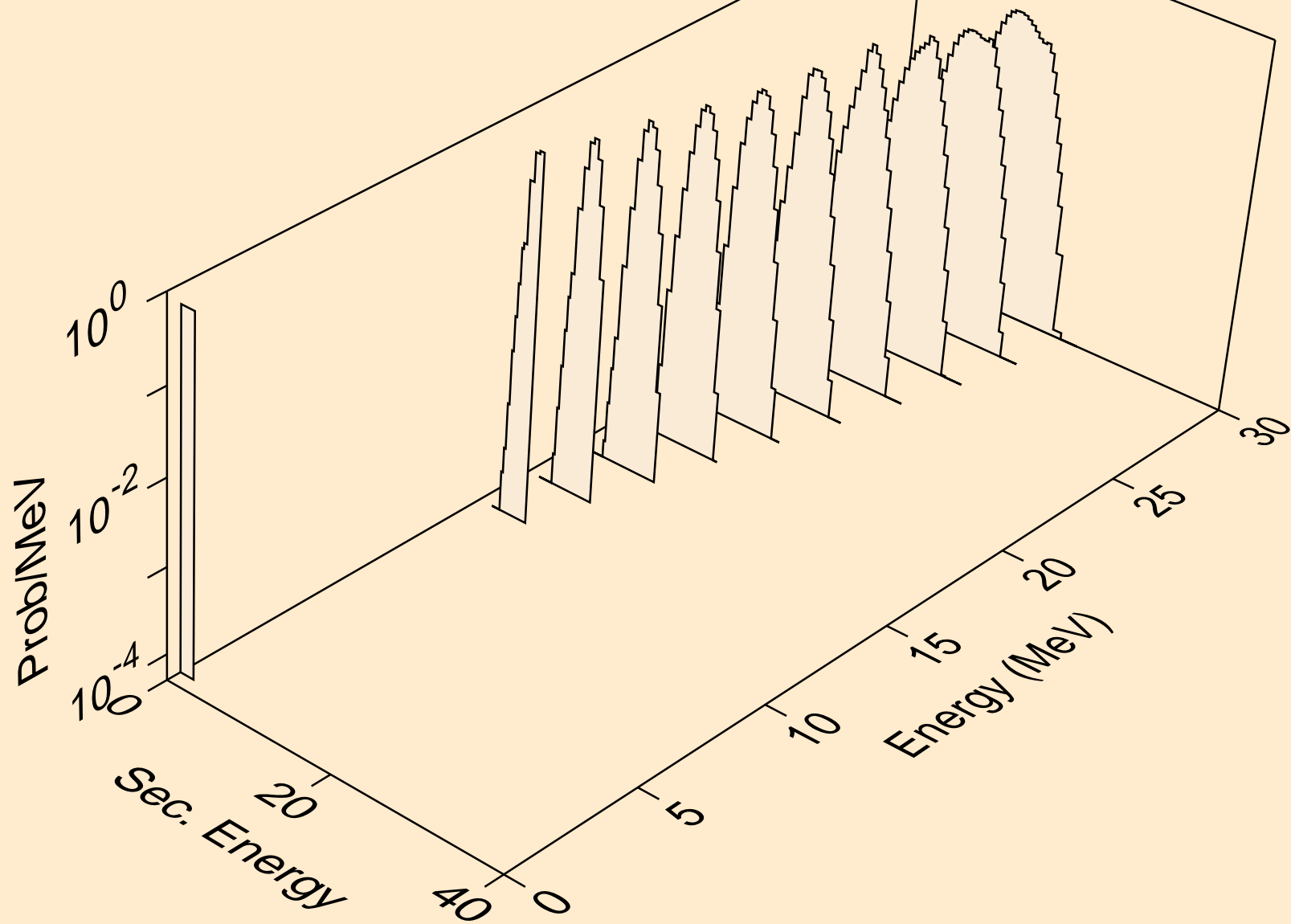
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,d)



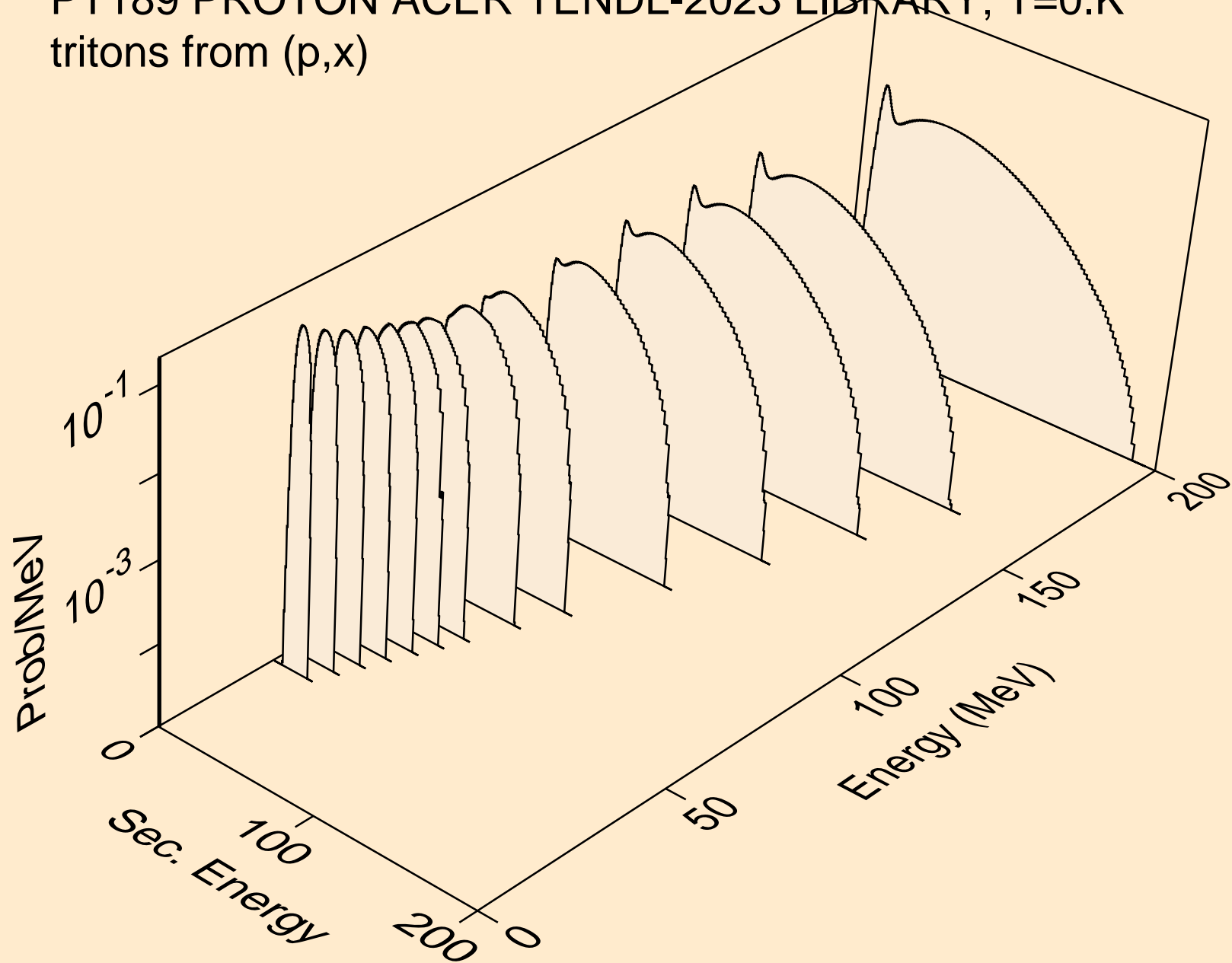
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,pd)



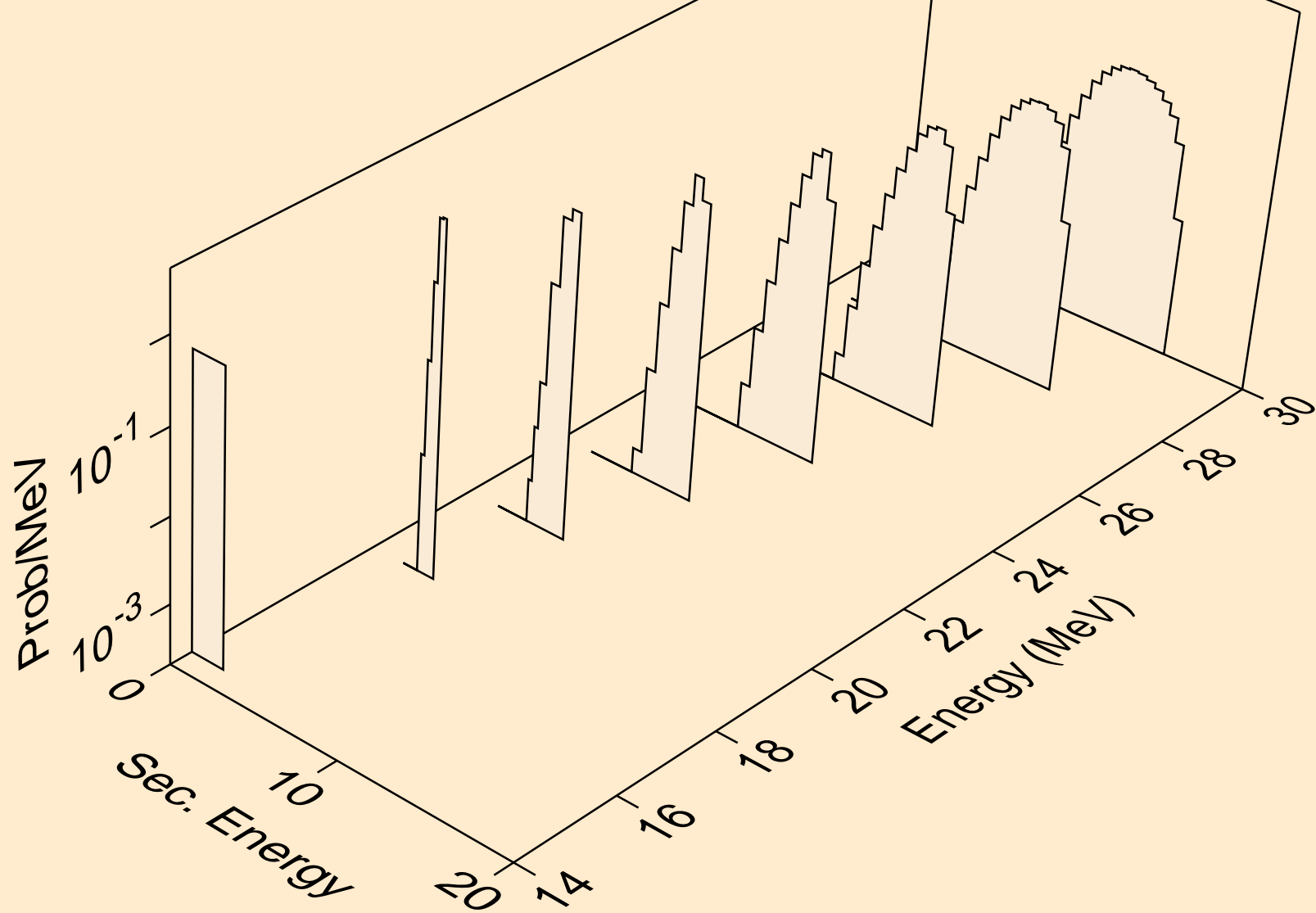
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,da)



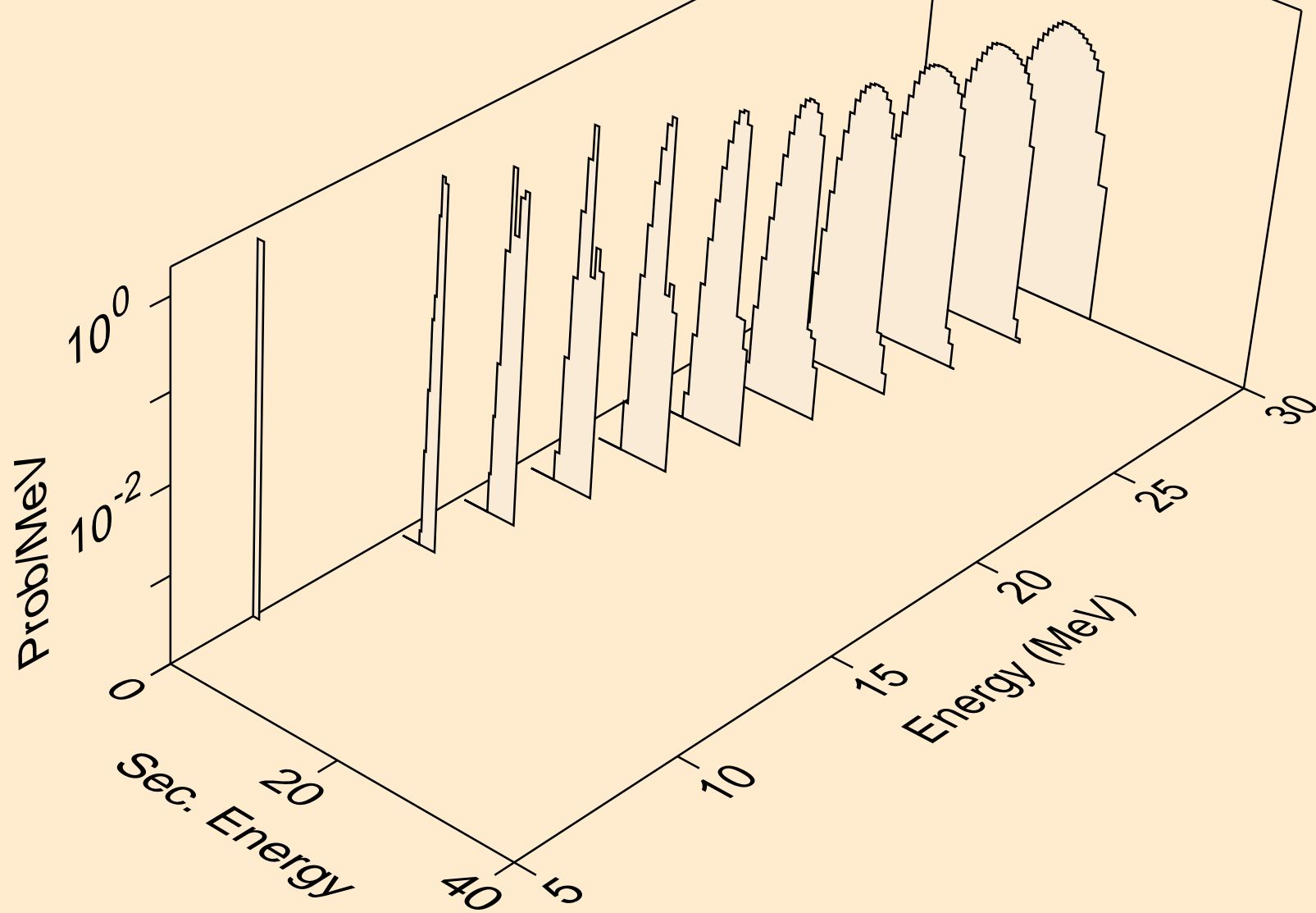
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)



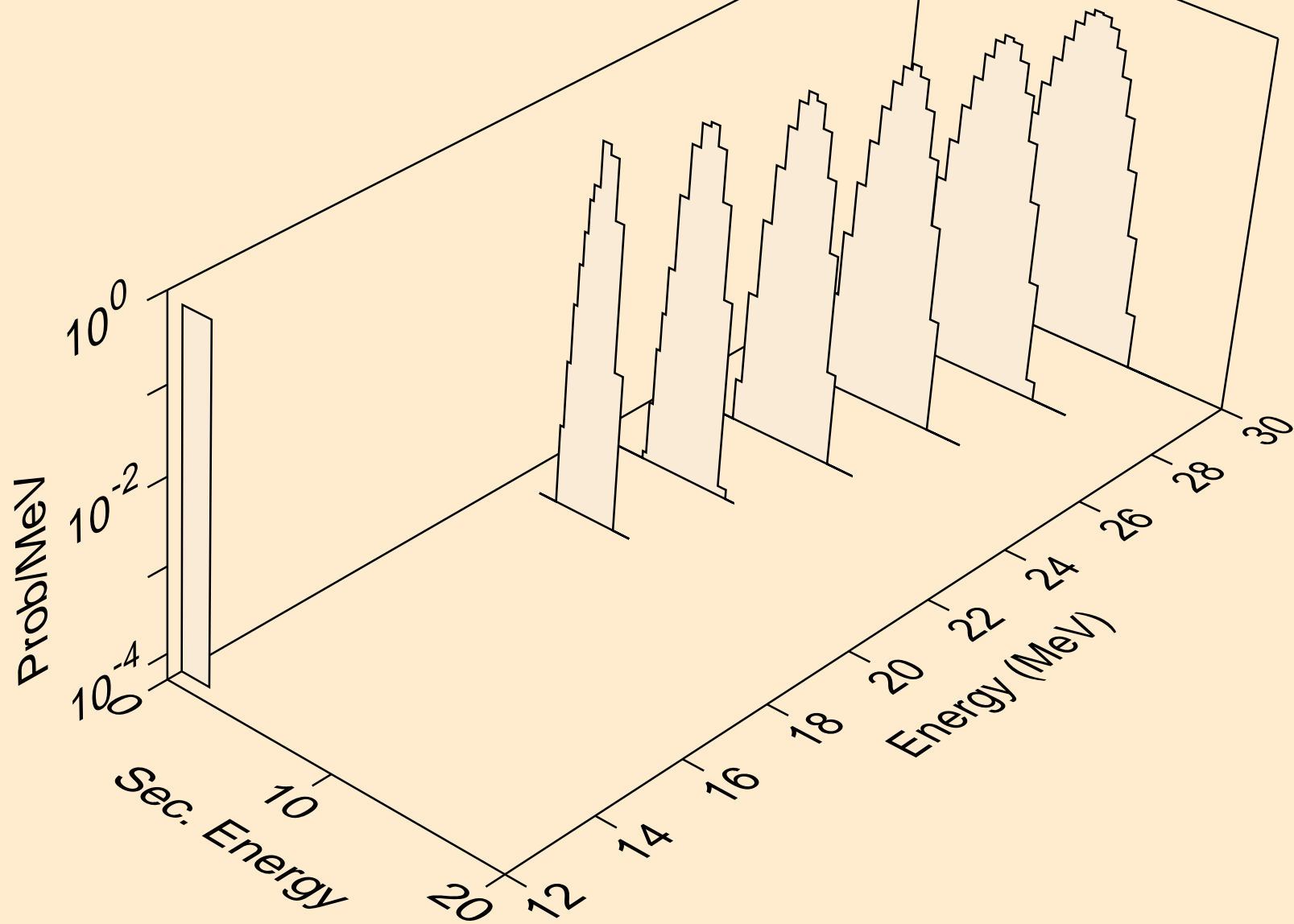
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,n*)t



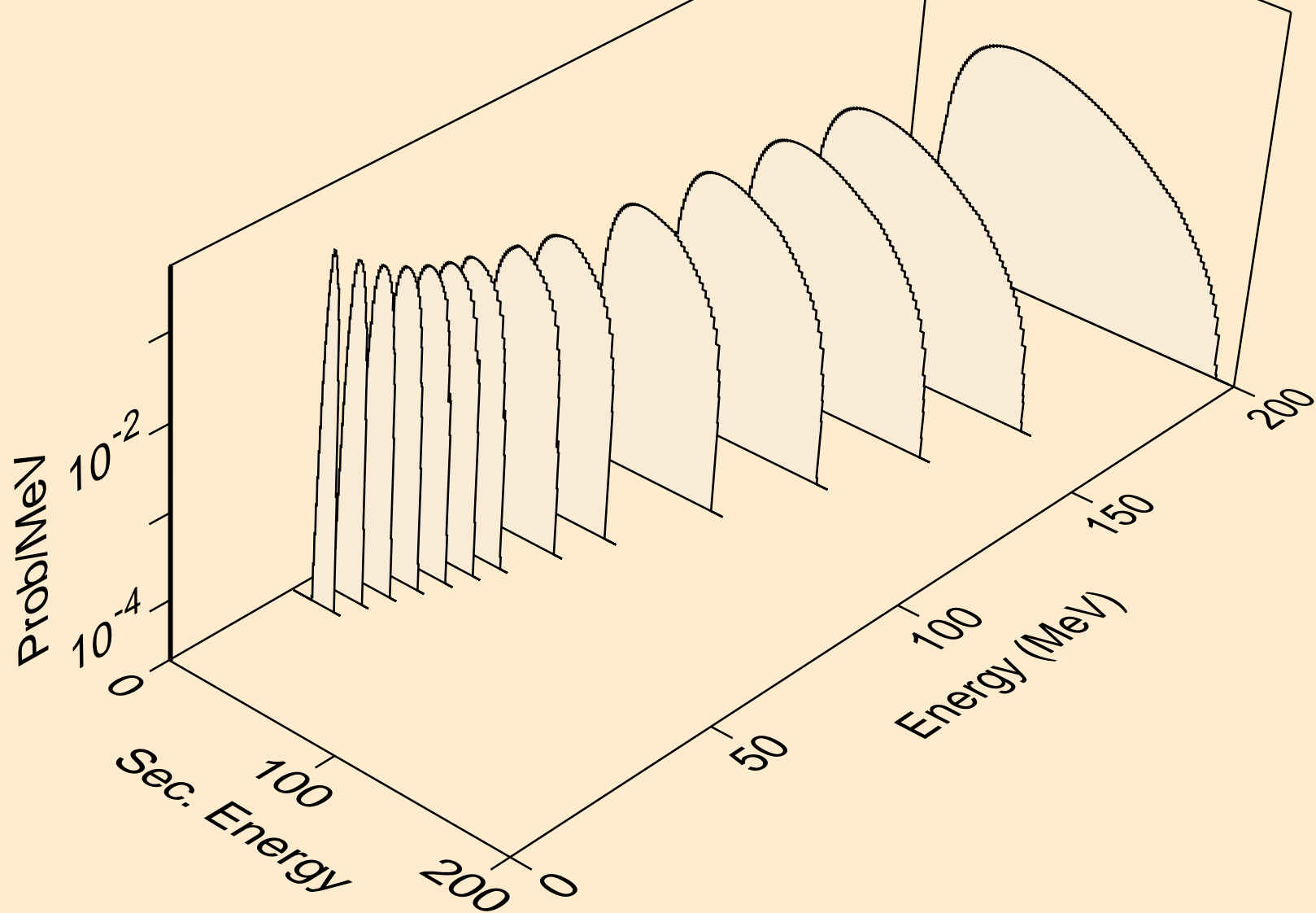
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,t)



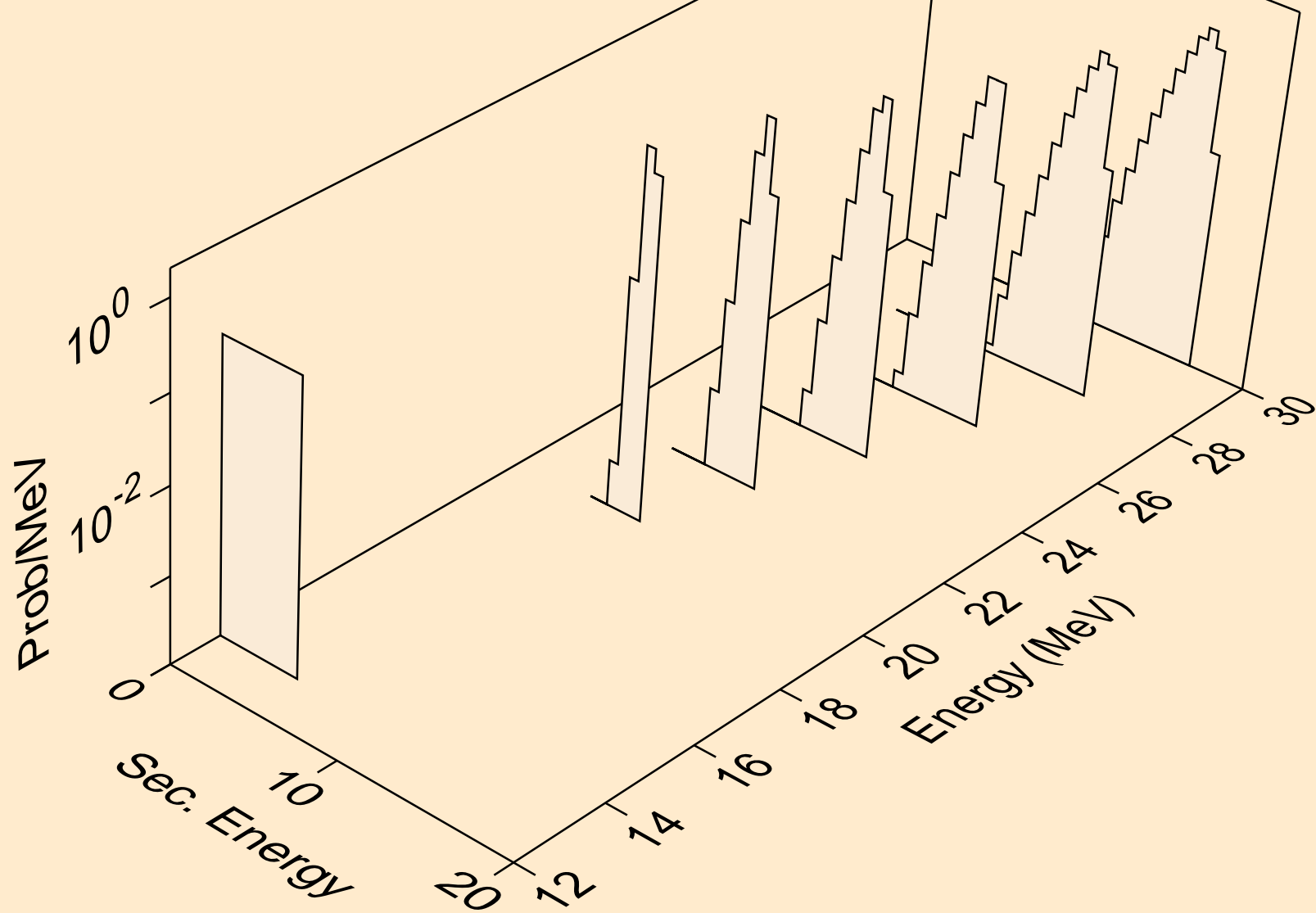
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,pt)



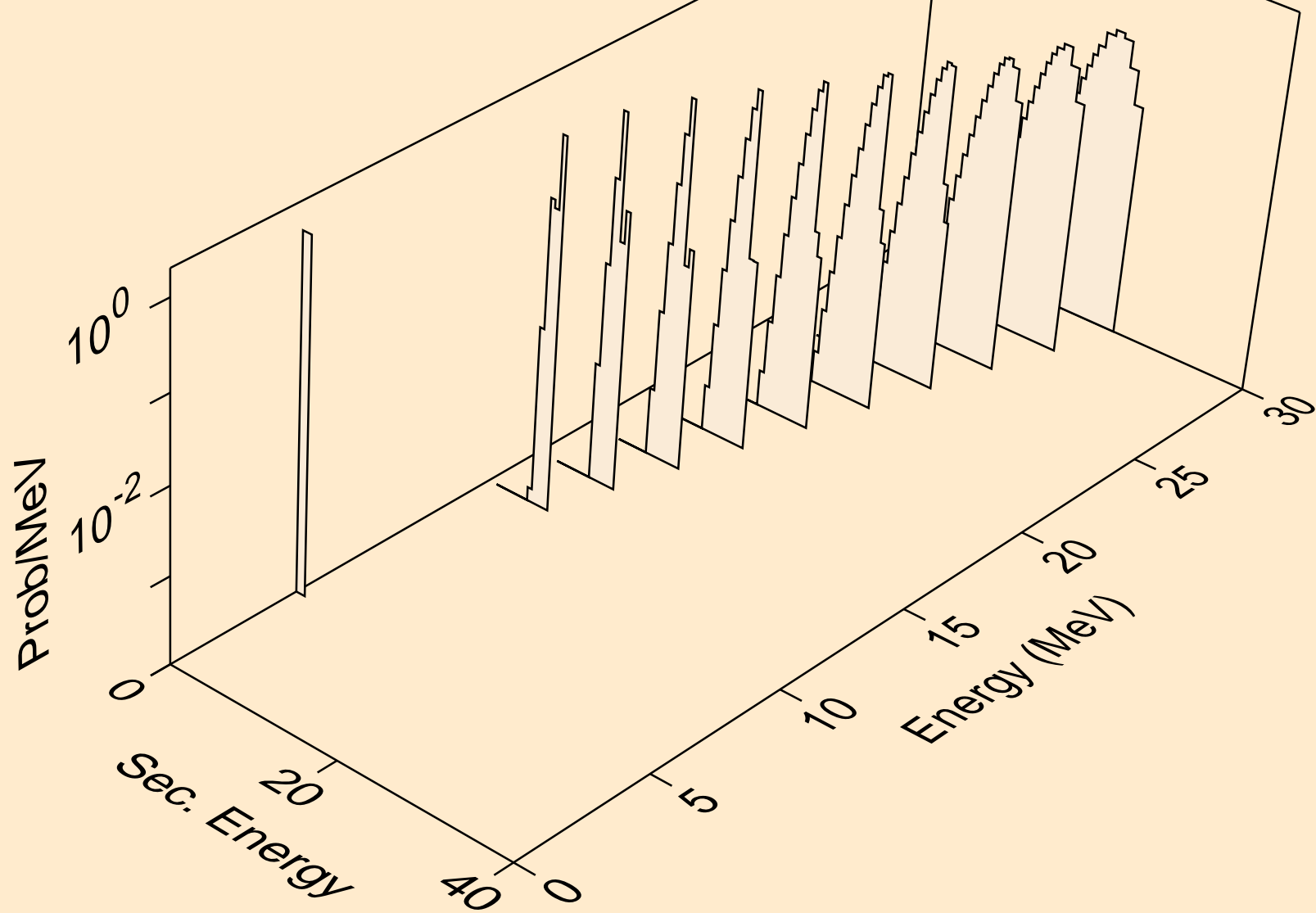
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,x)



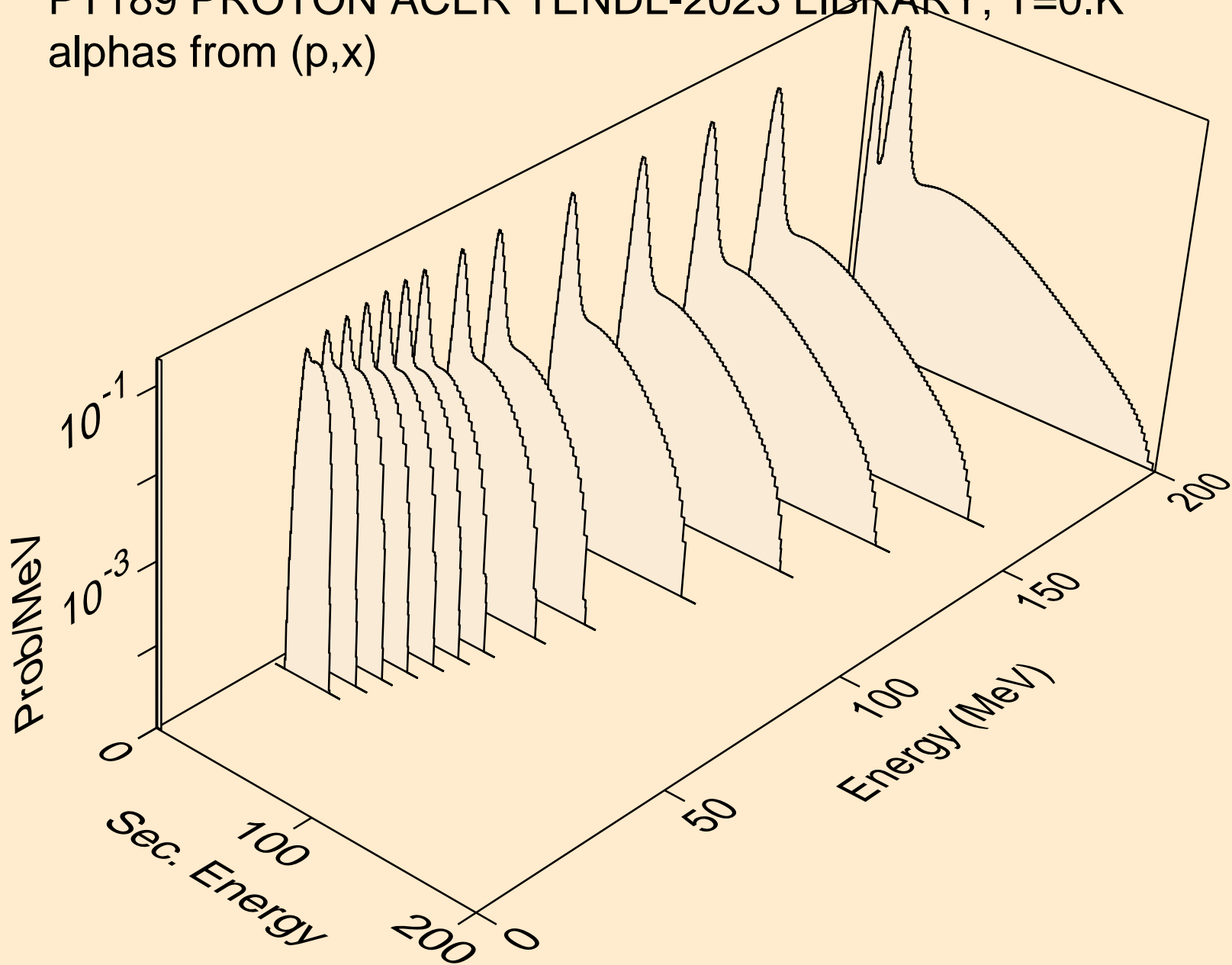
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,n*)he3



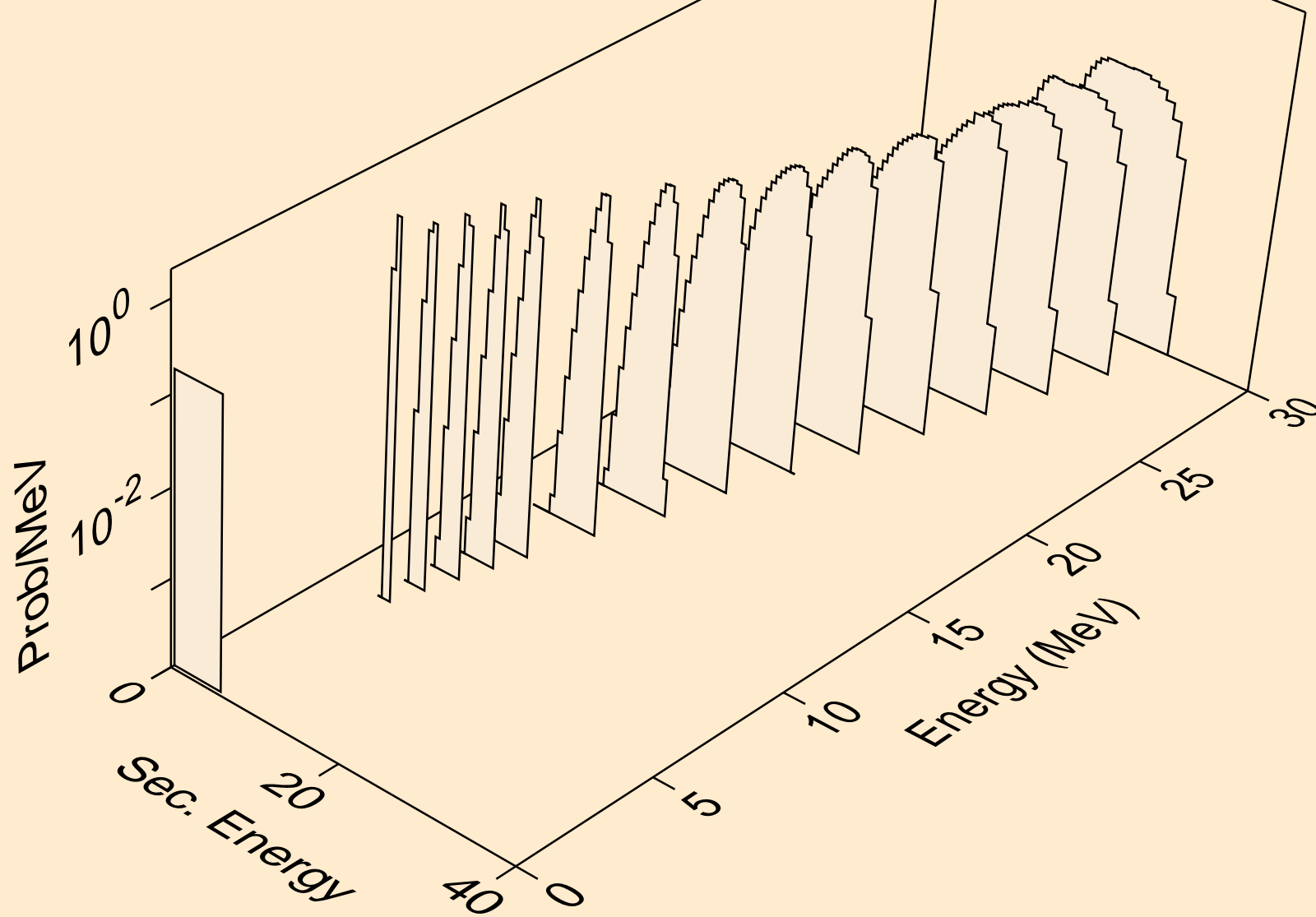
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,he3)



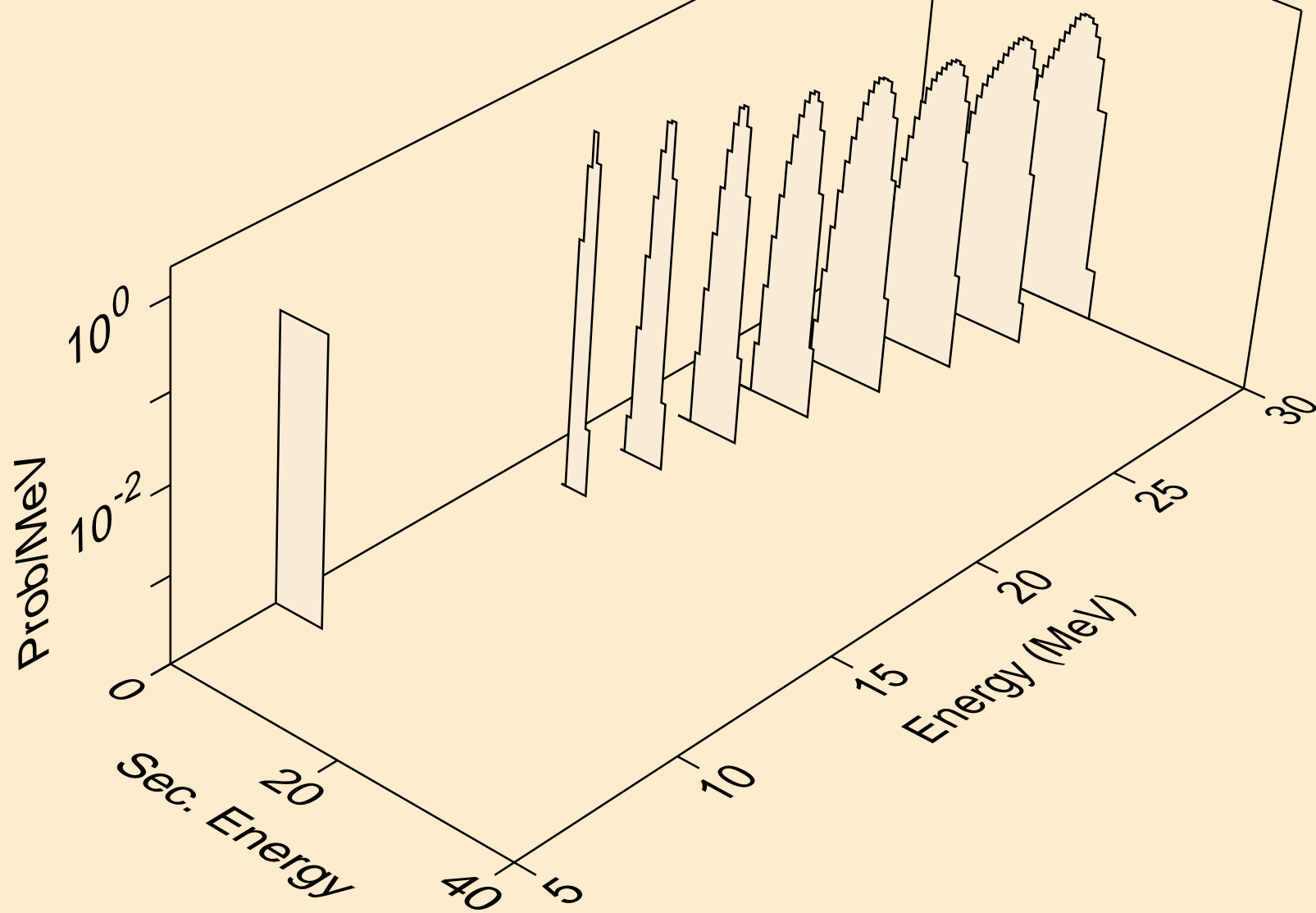
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)



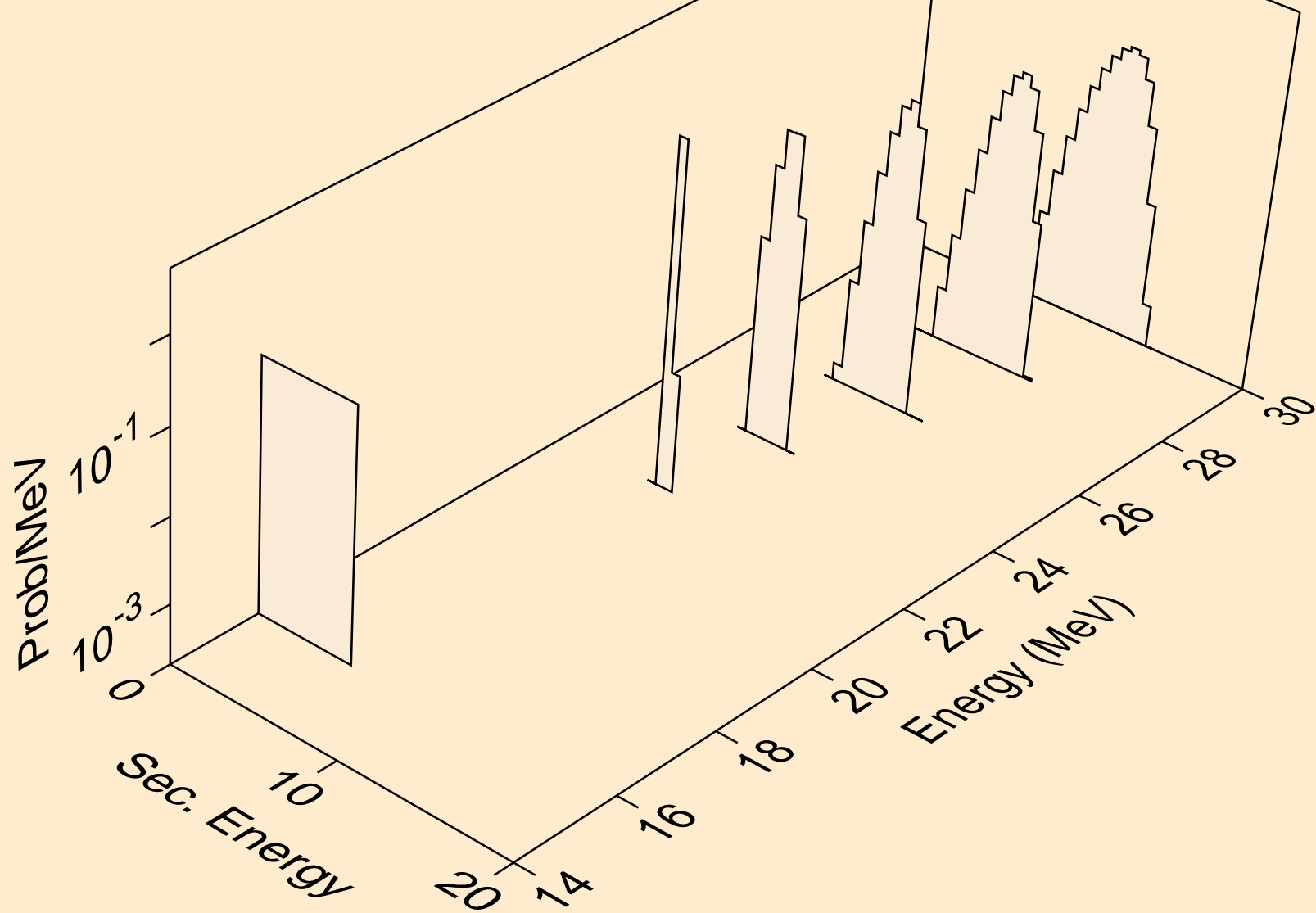
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



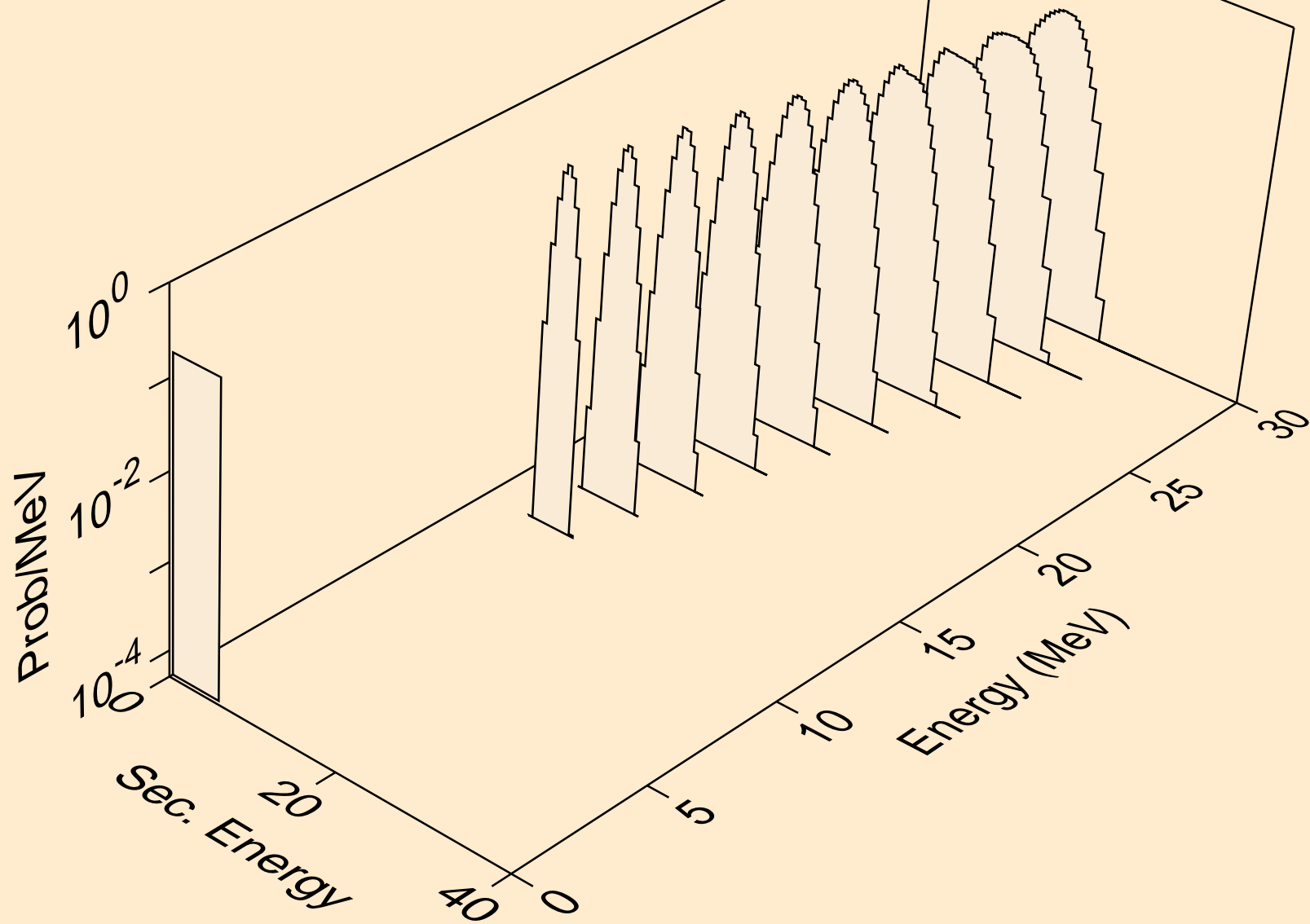
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2n)a



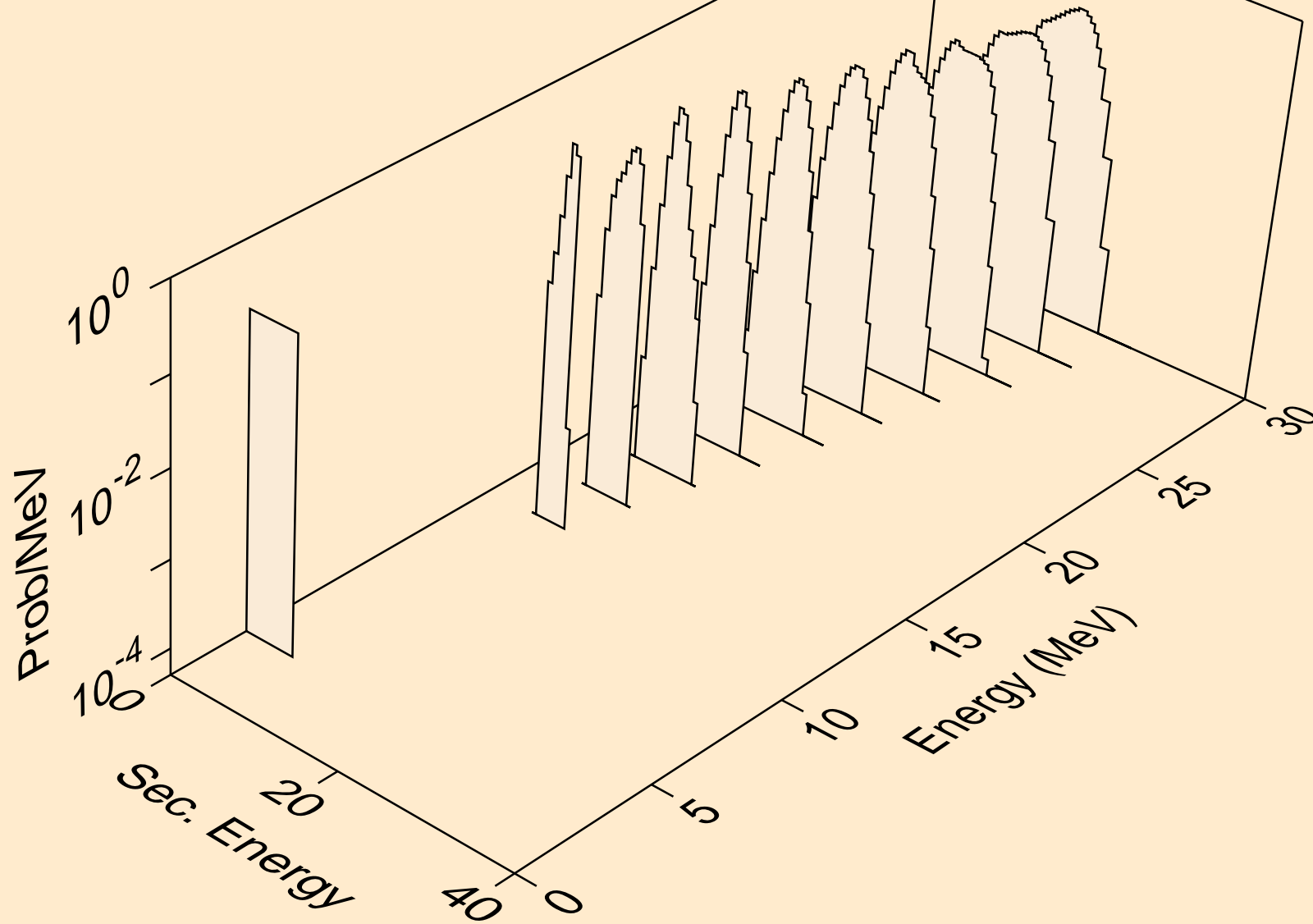
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,3n)a



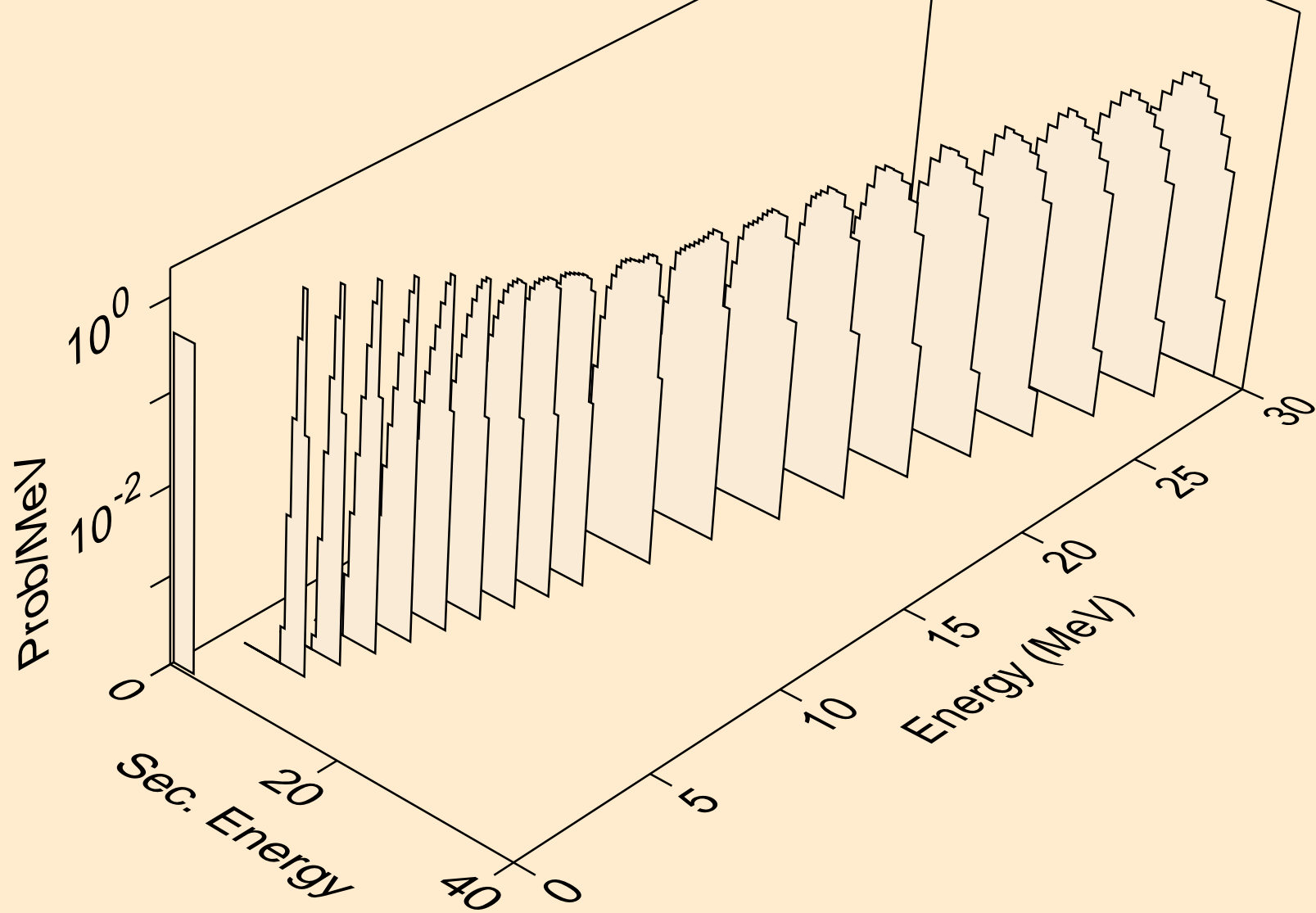
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)2a



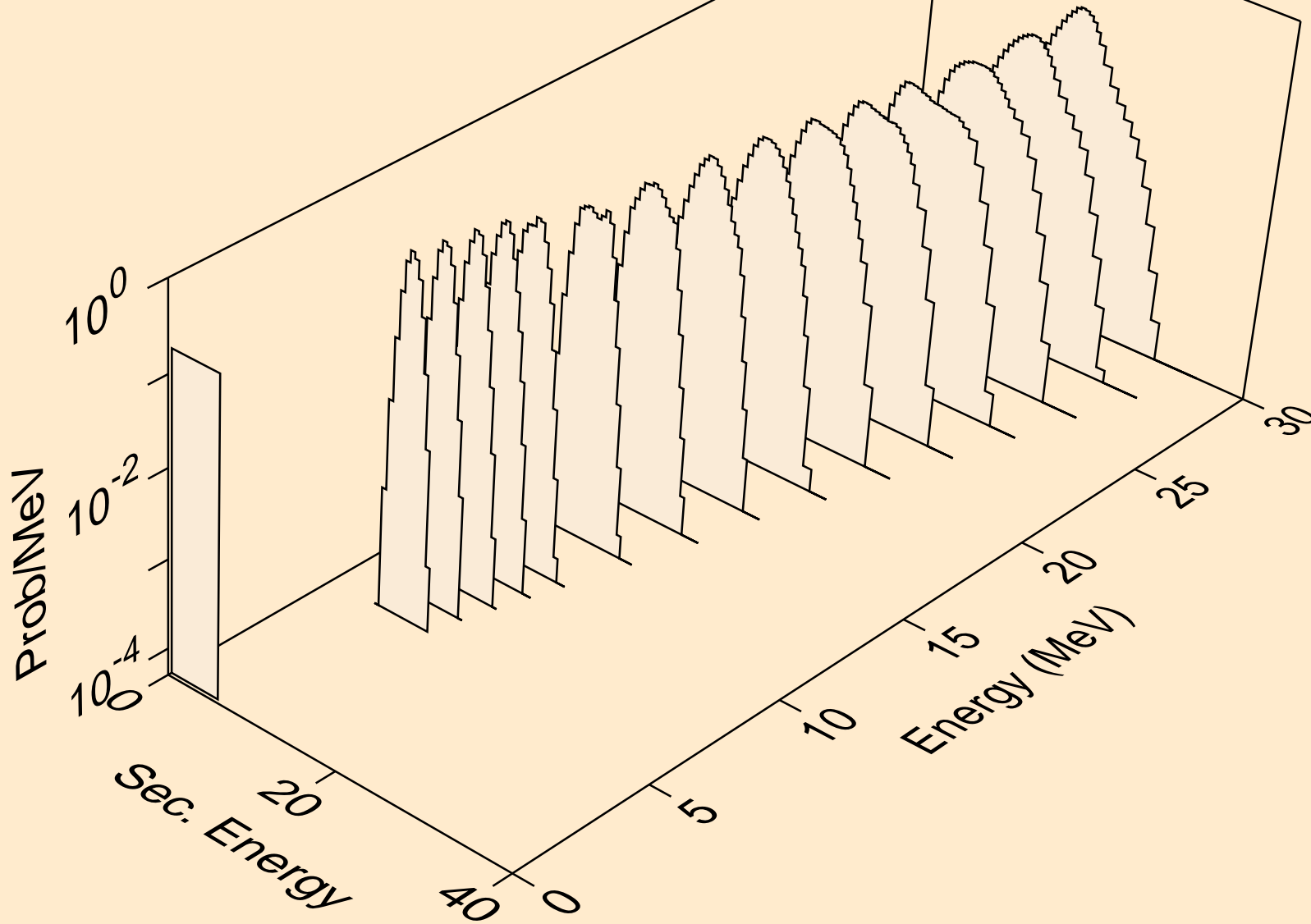
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



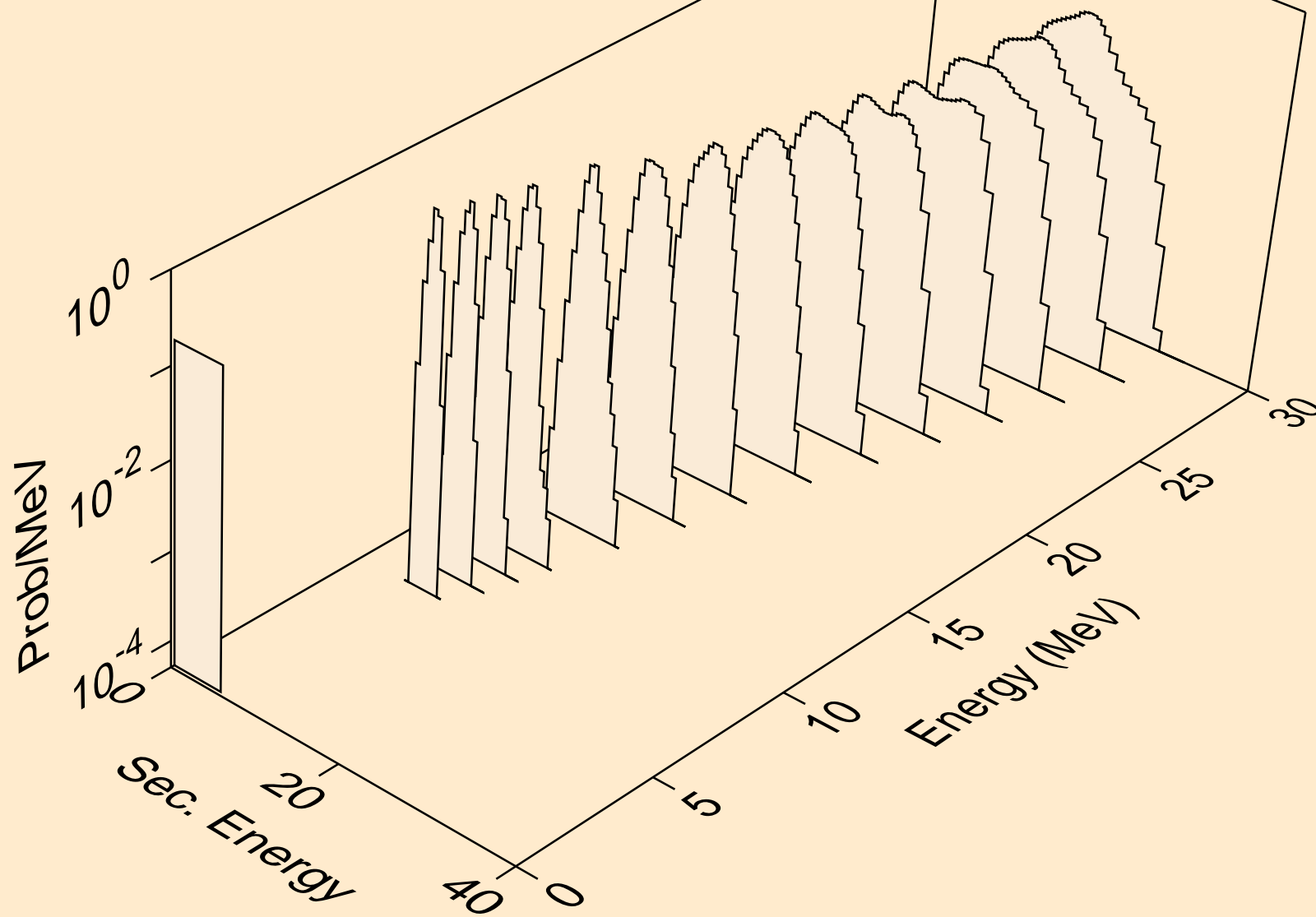
PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



PT189 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

