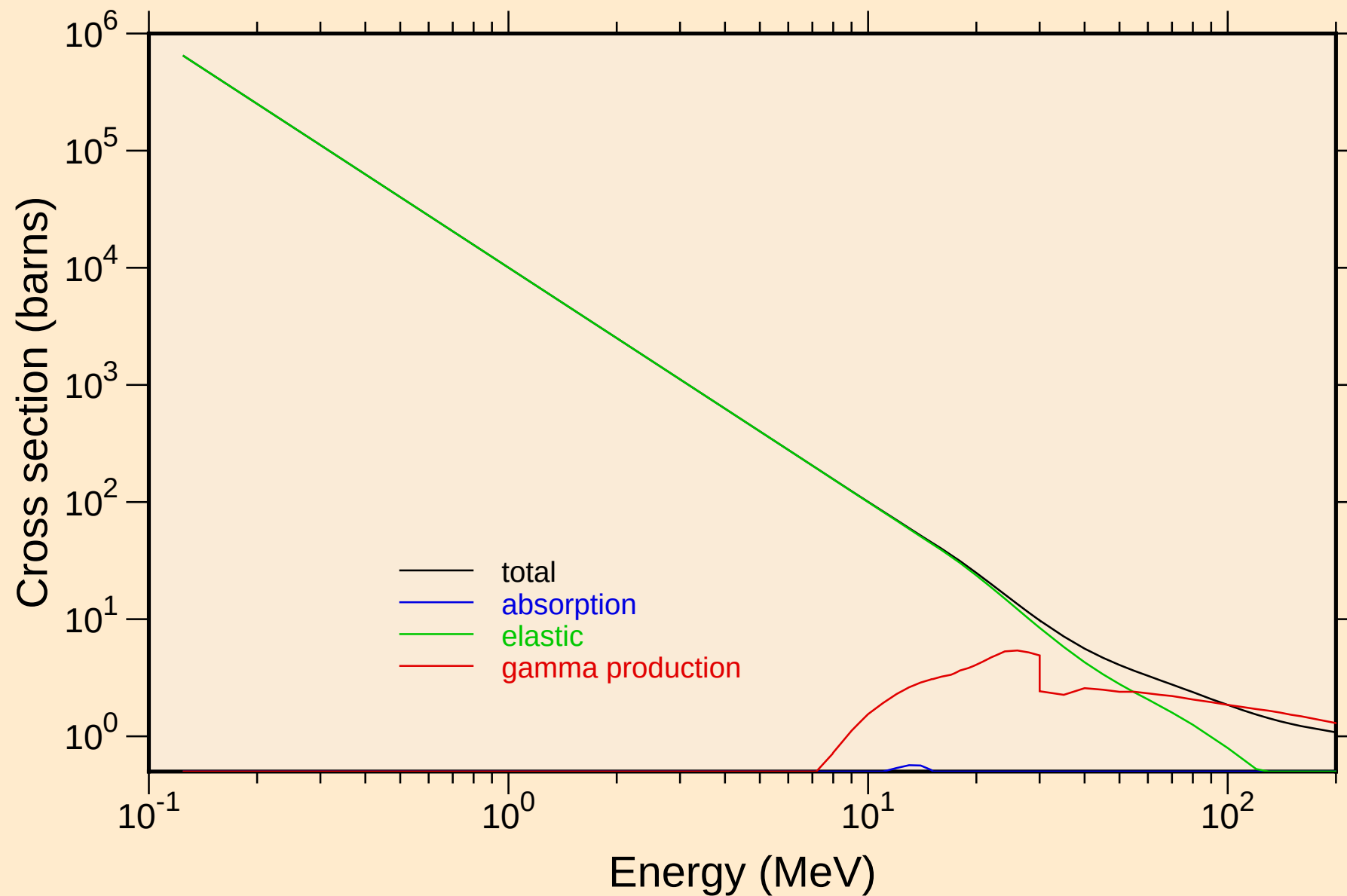


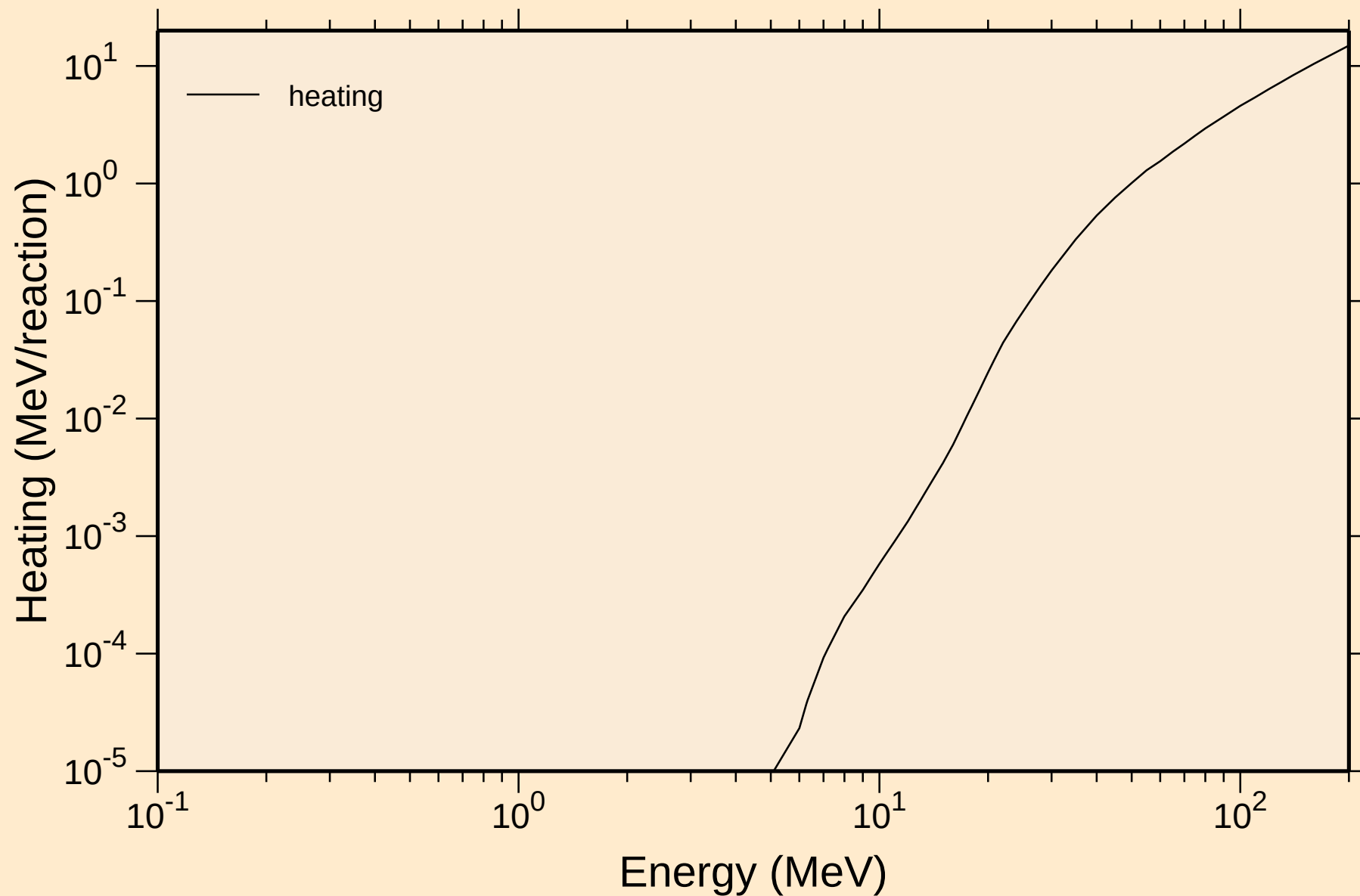
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



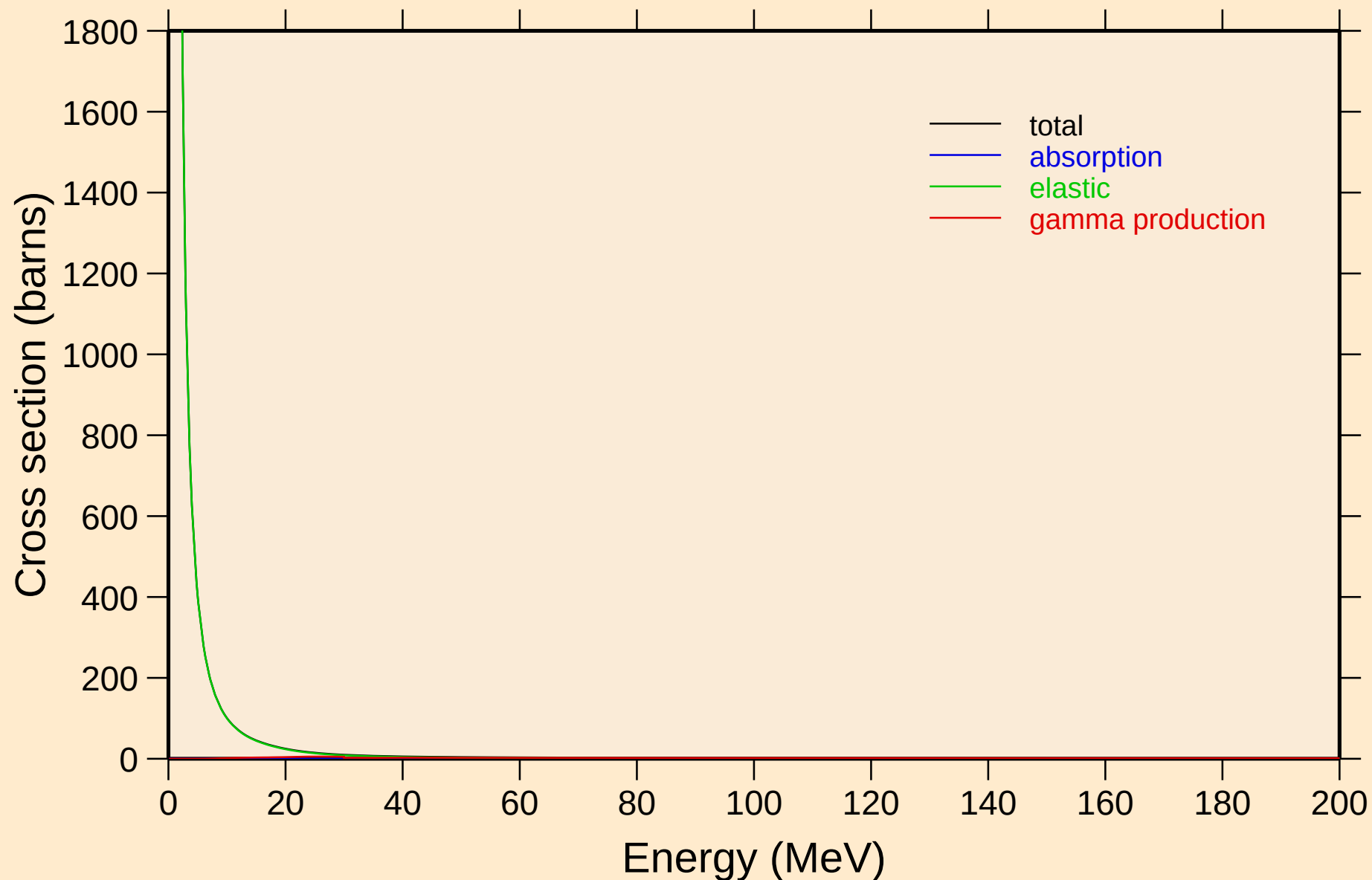
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



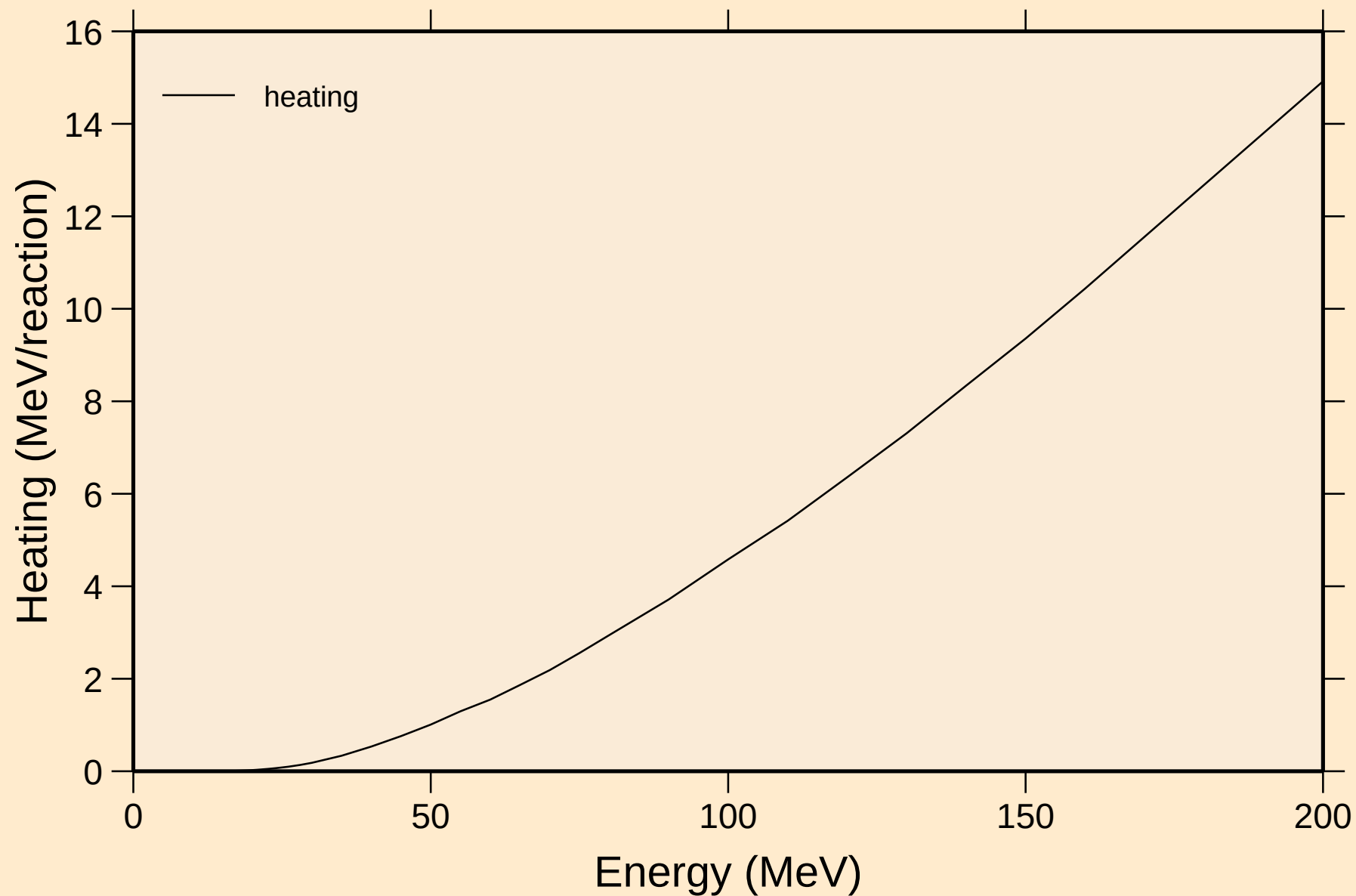
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



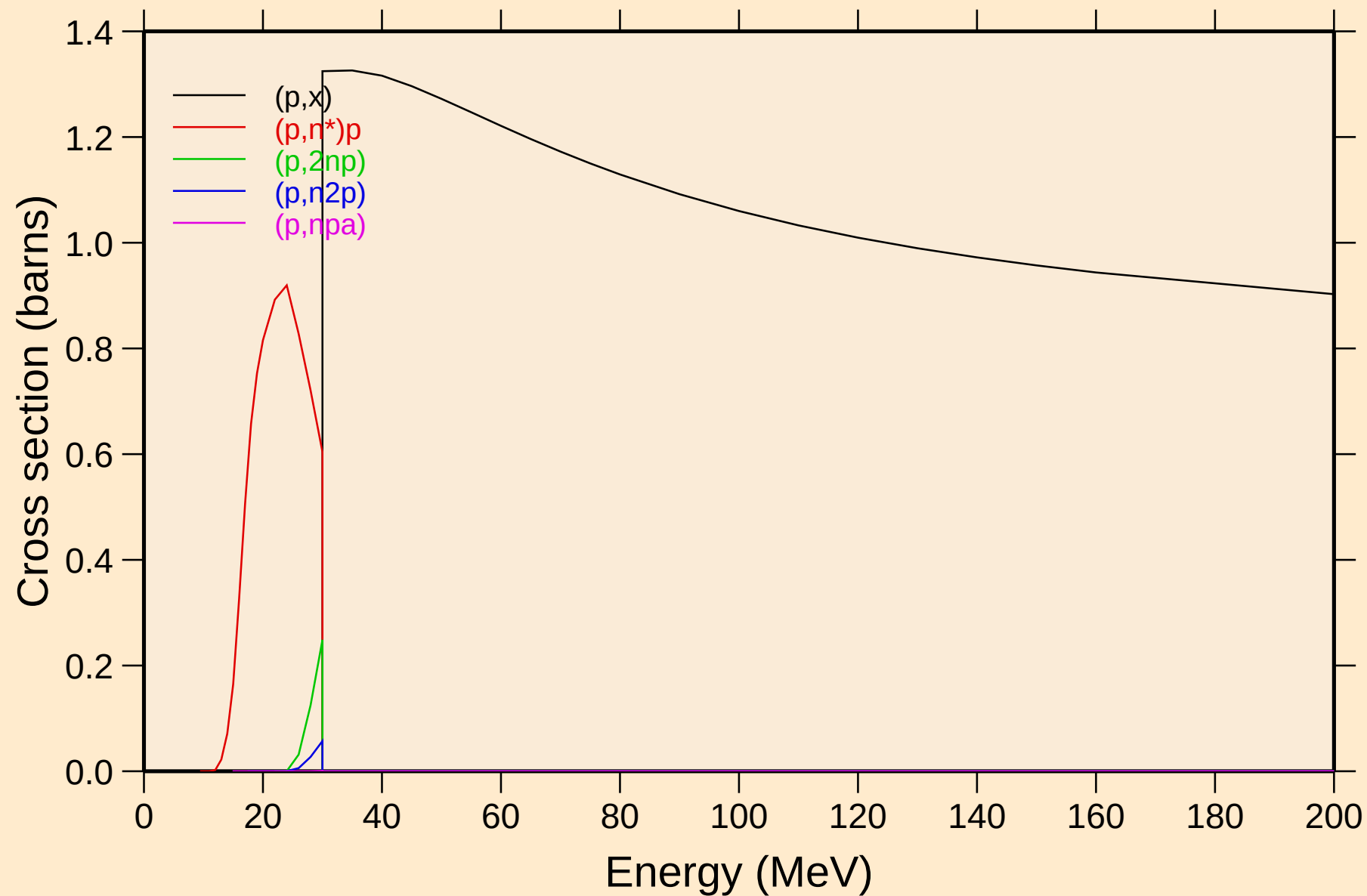
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



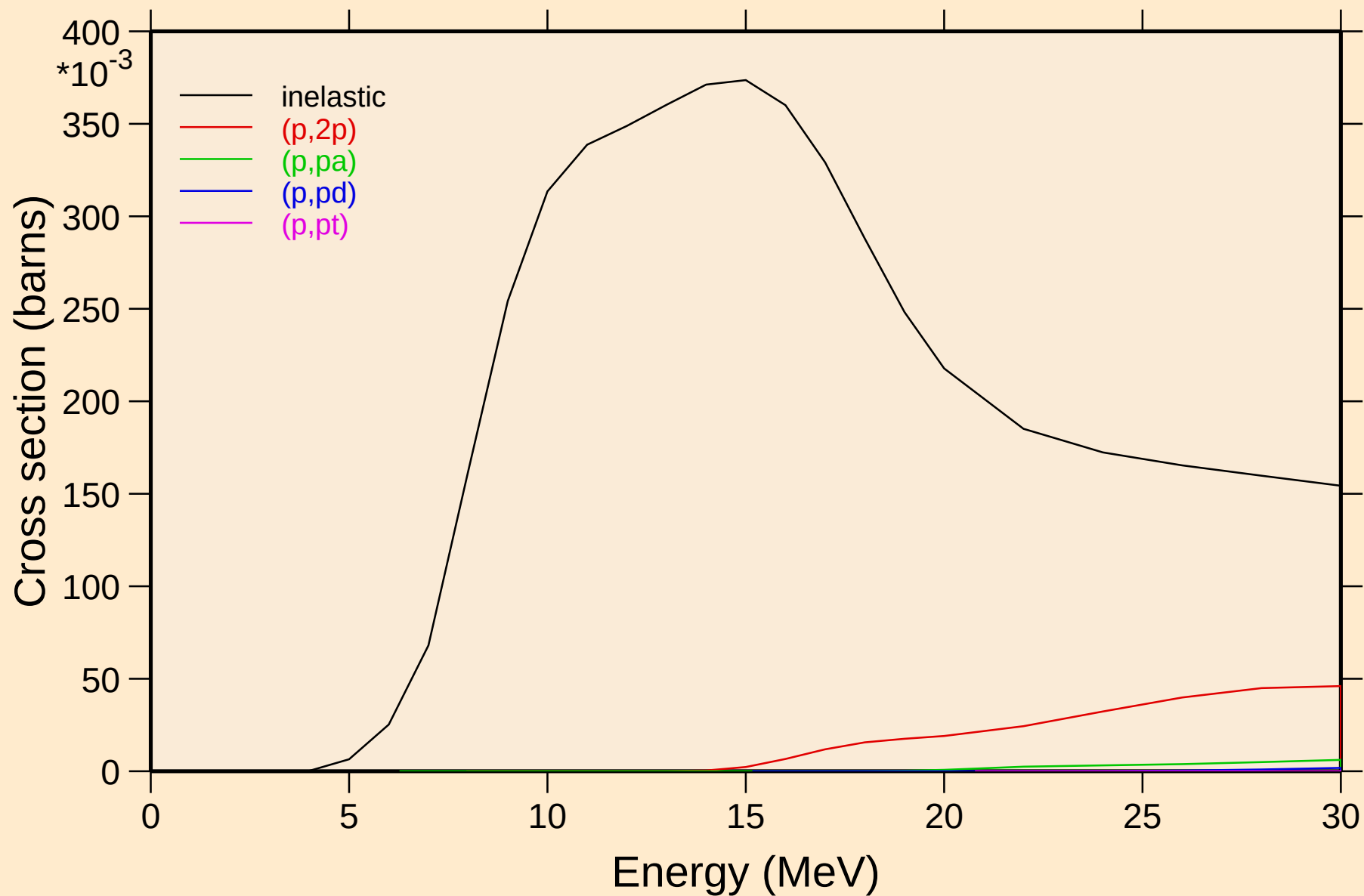
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



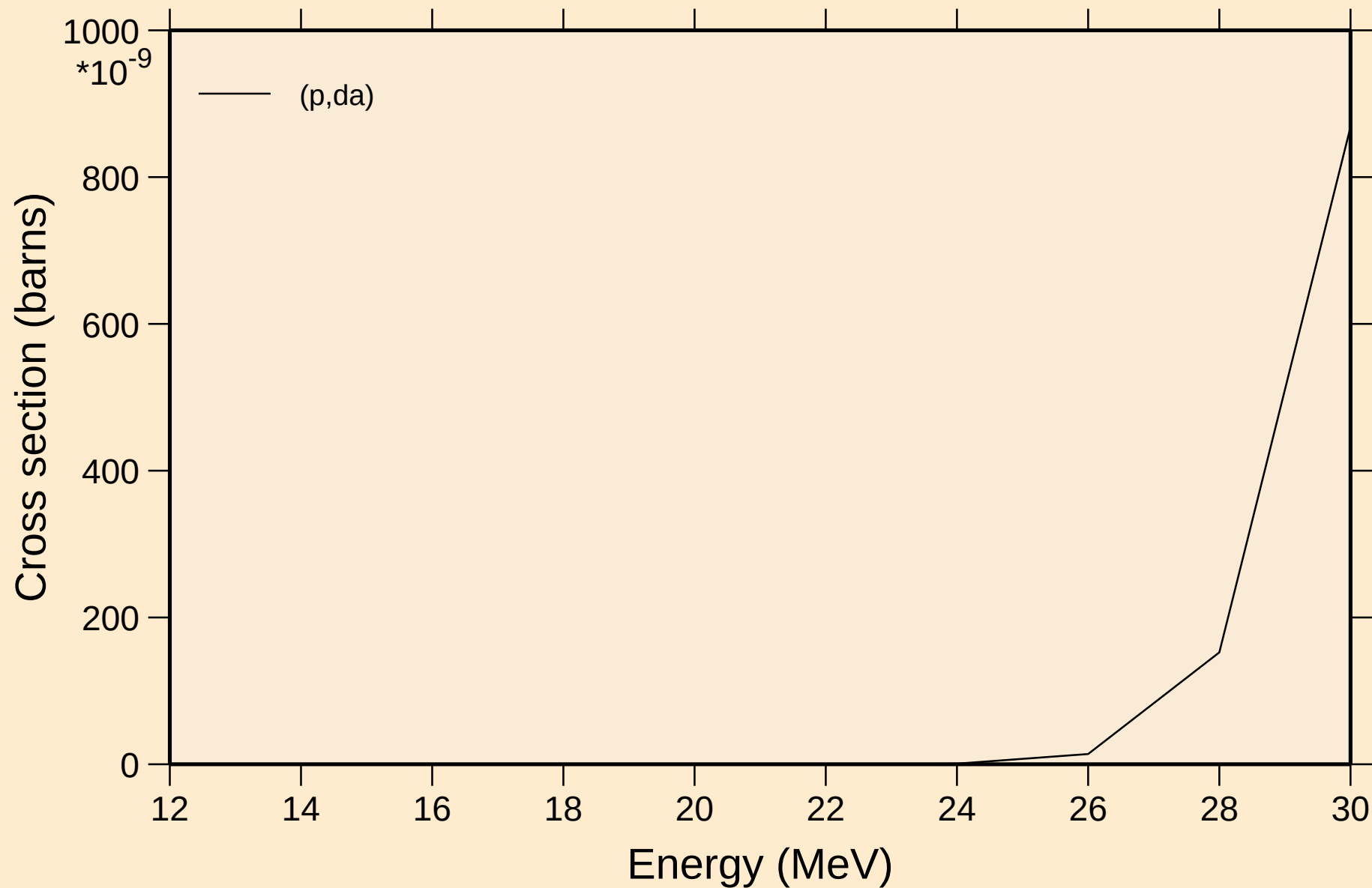
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

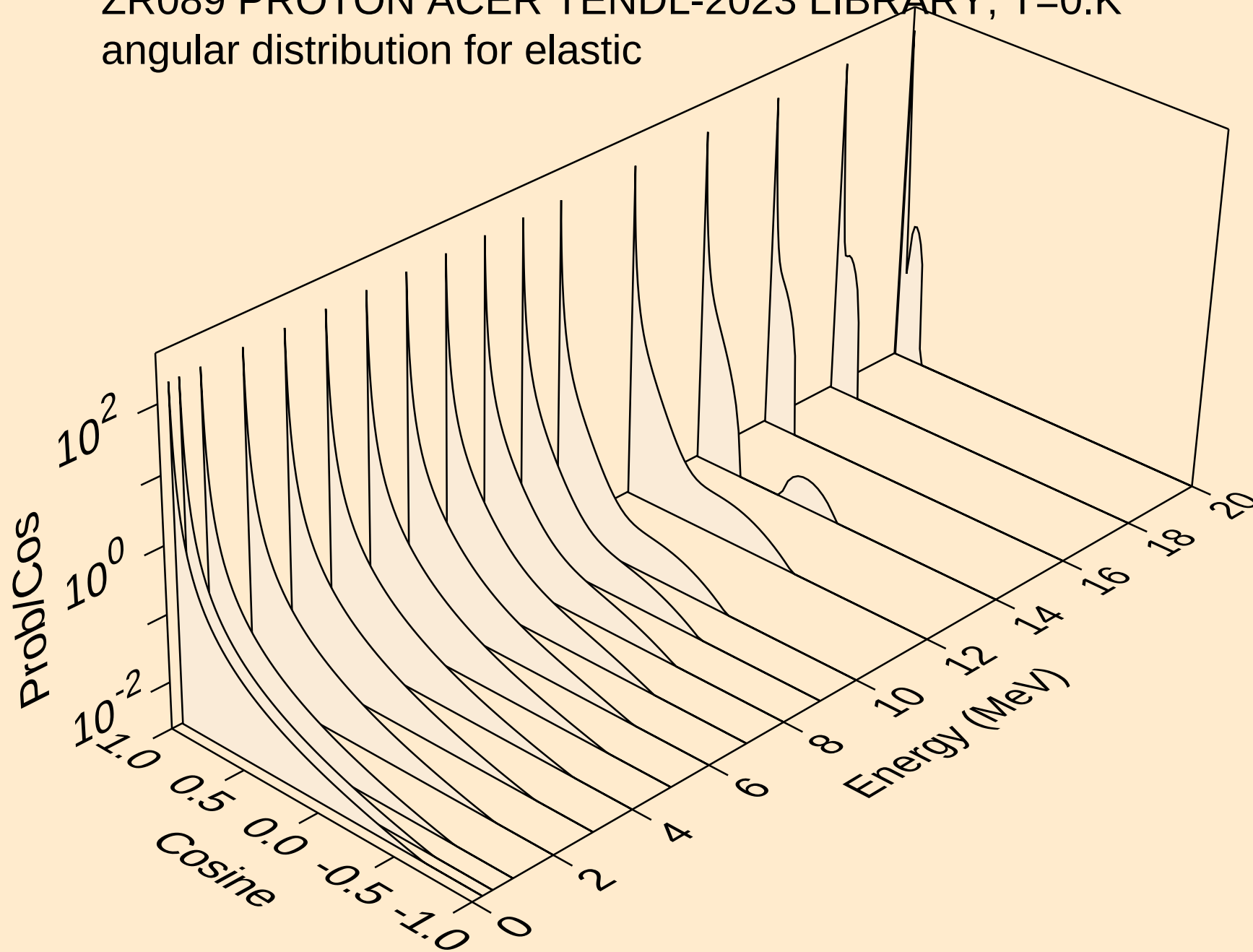


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

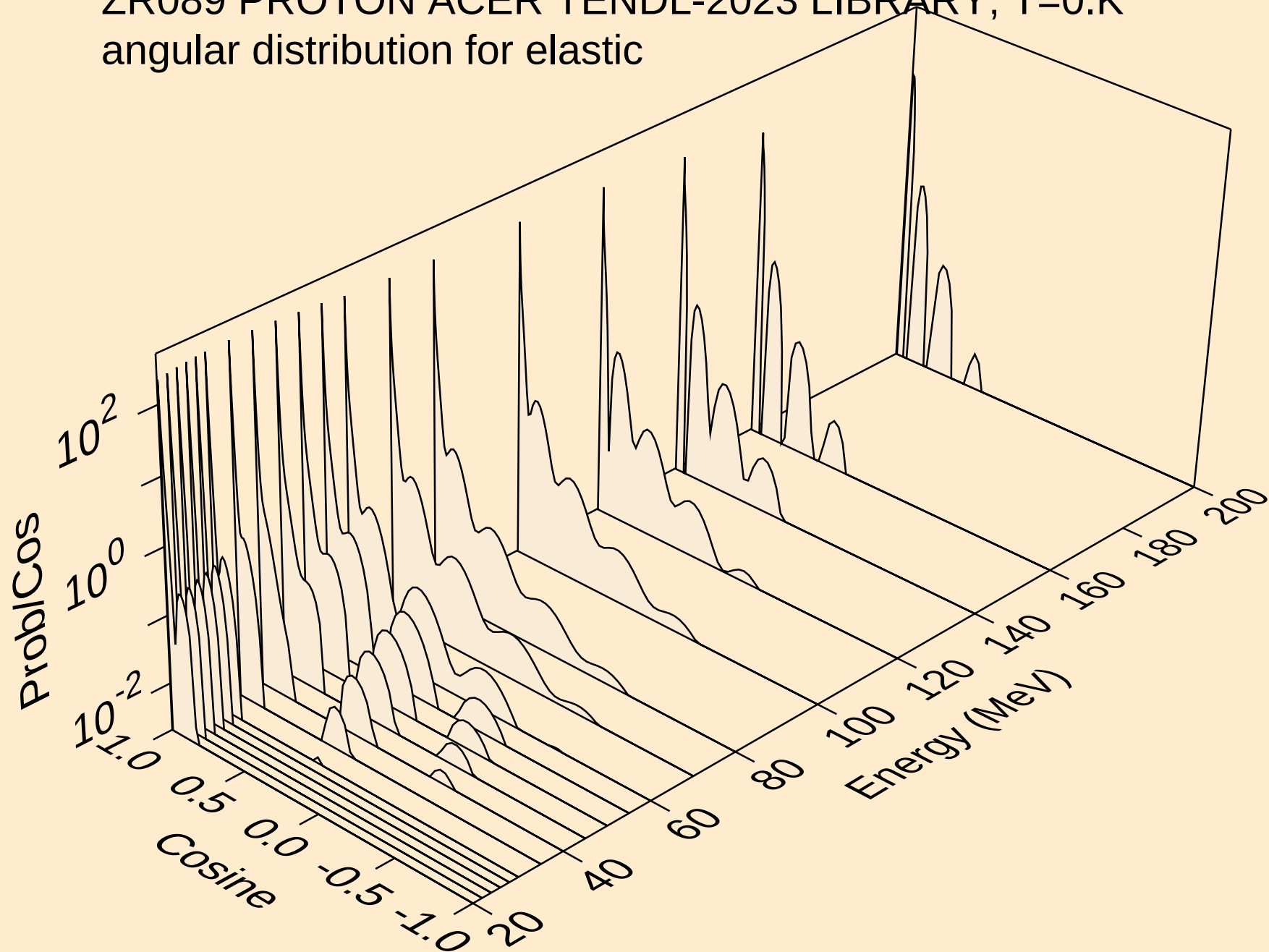
Threshold reactions



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

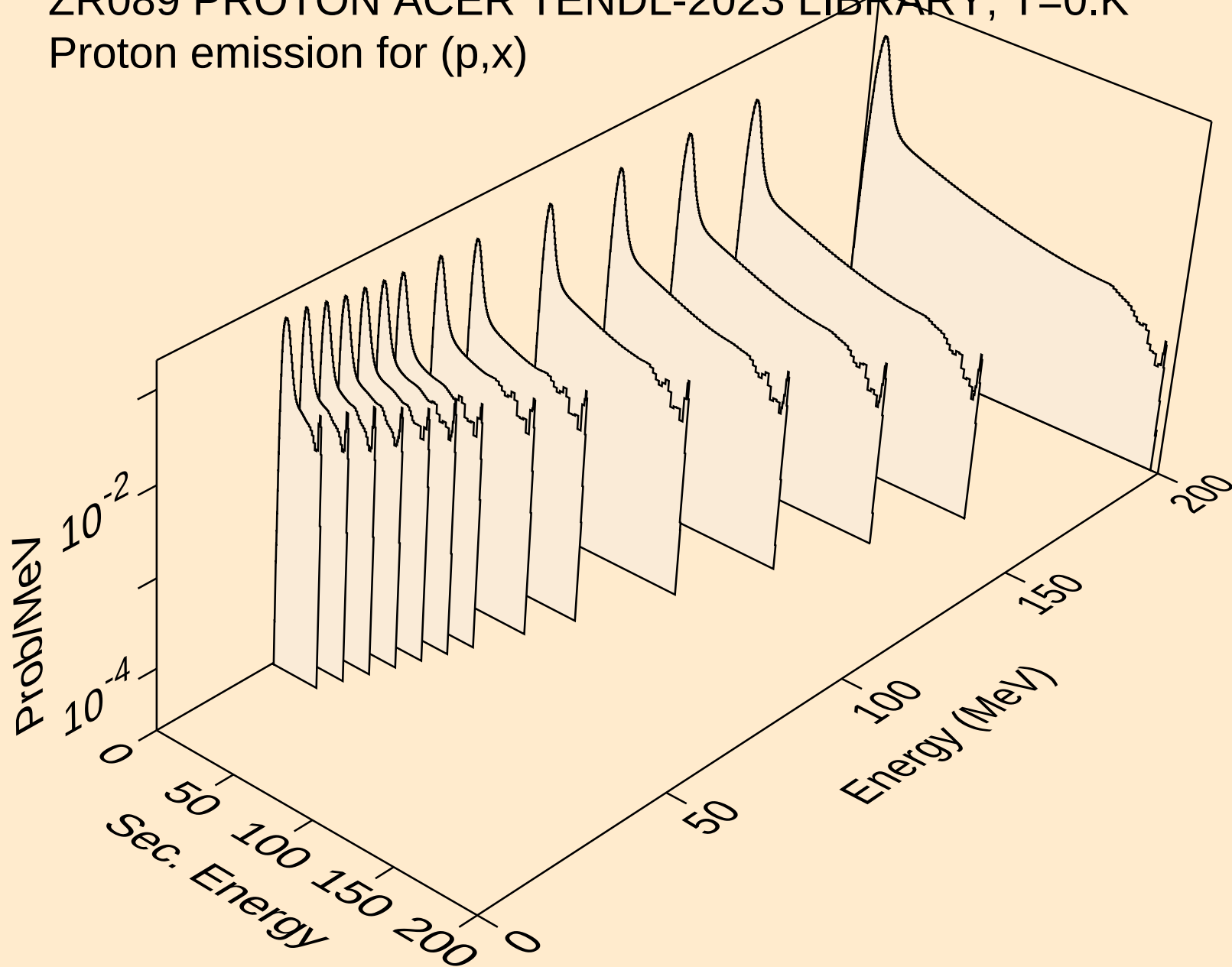


ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
angular distribution for elastic



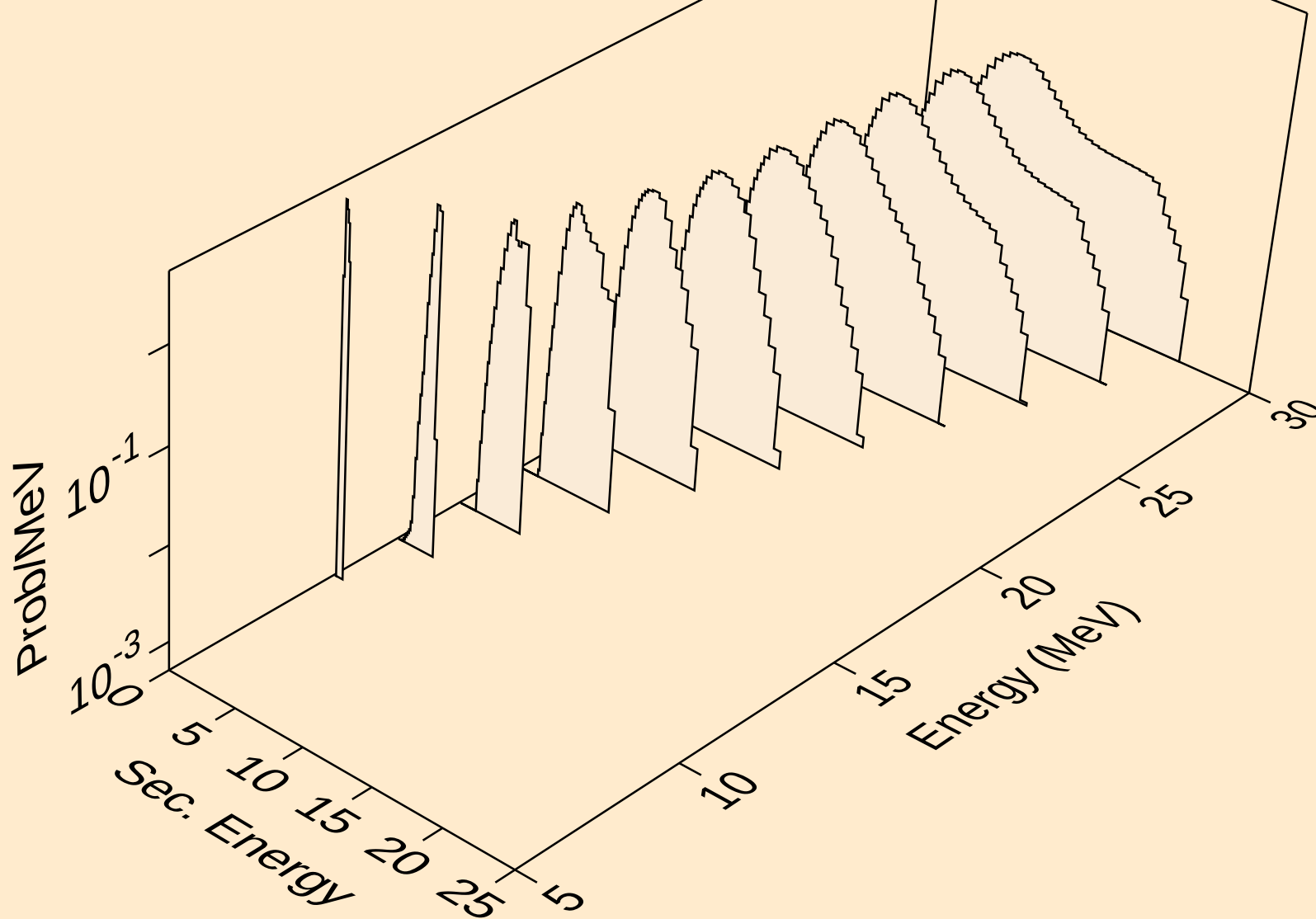
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,x)

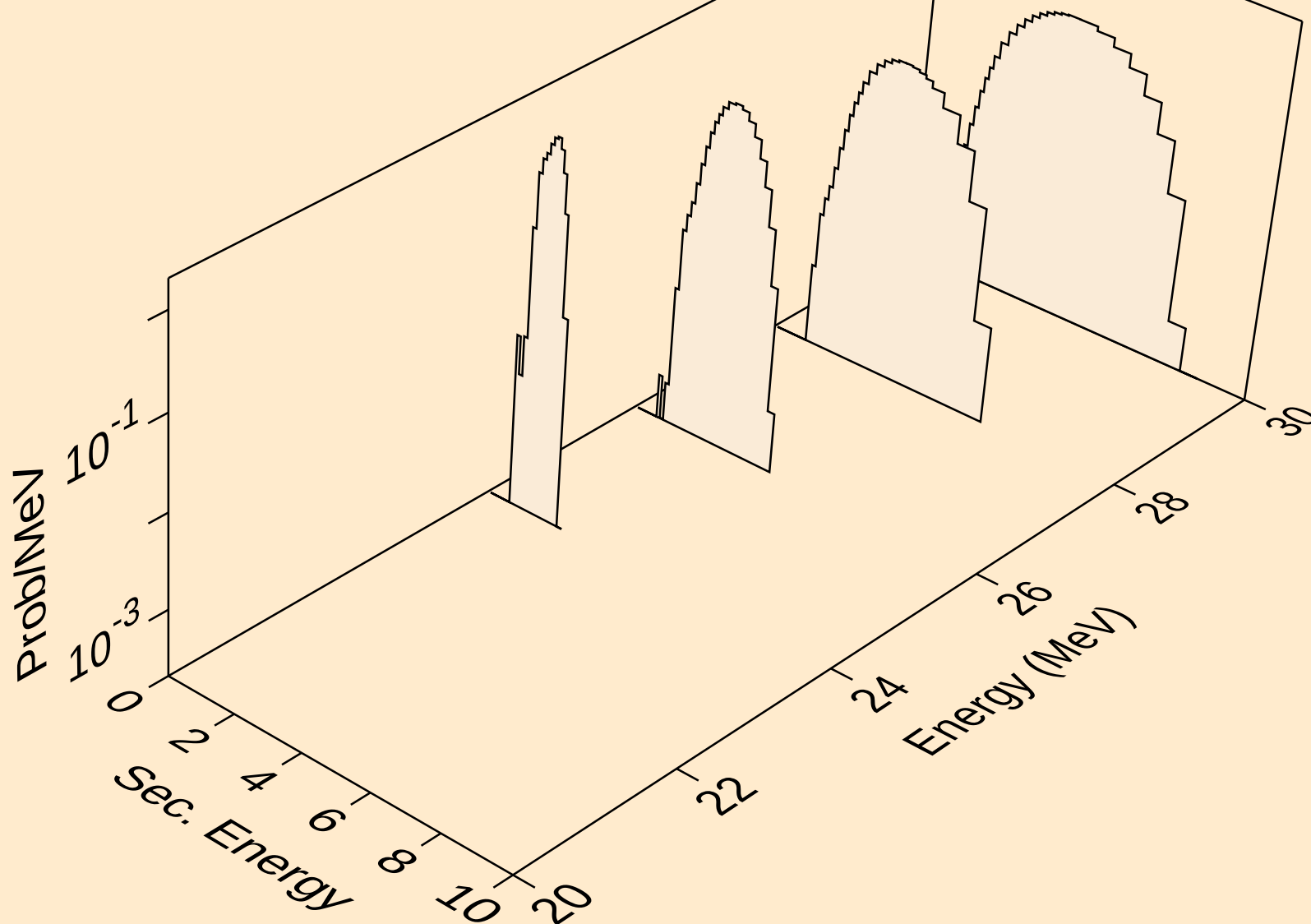


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,n*)p

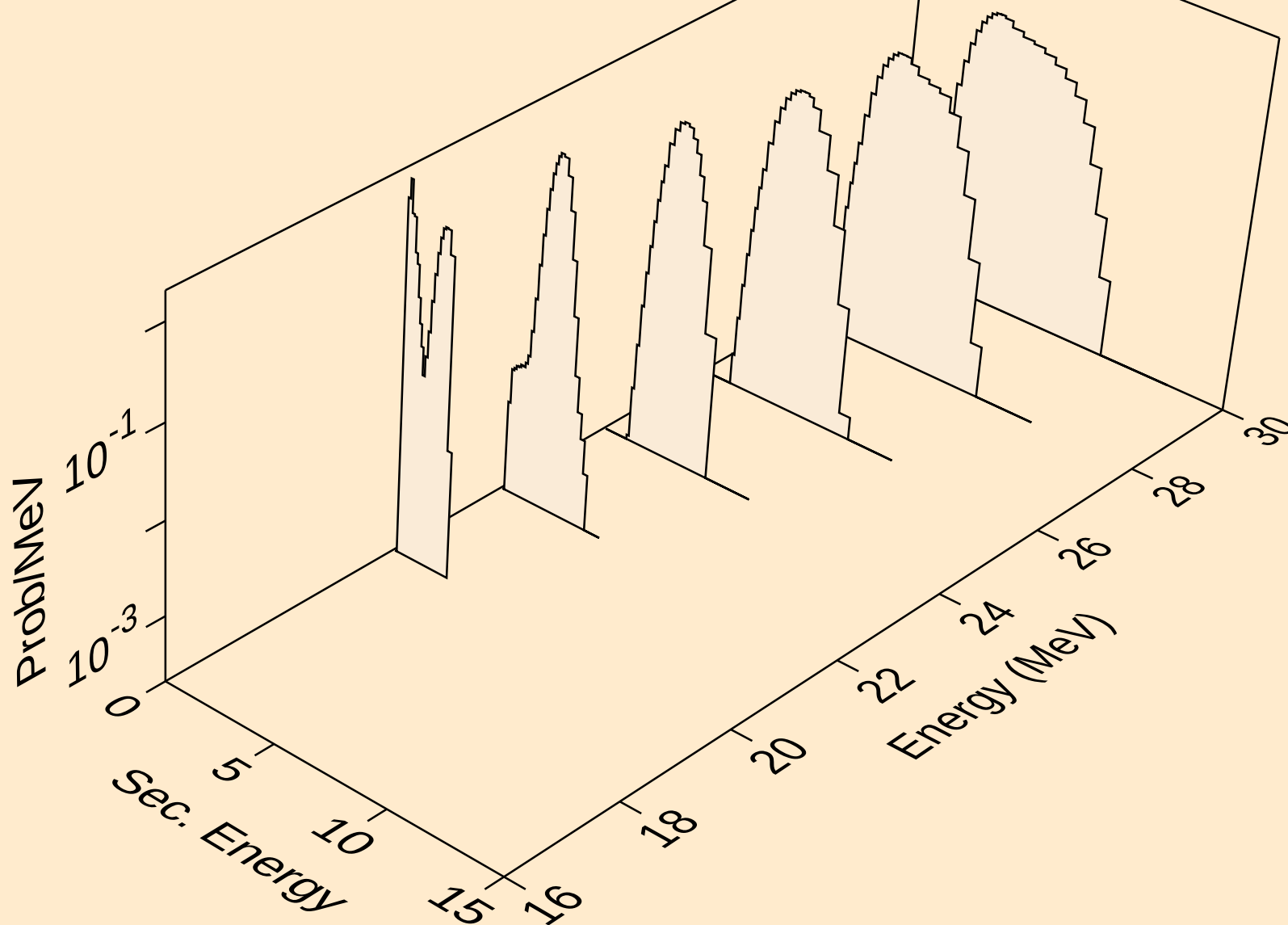


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,2np)

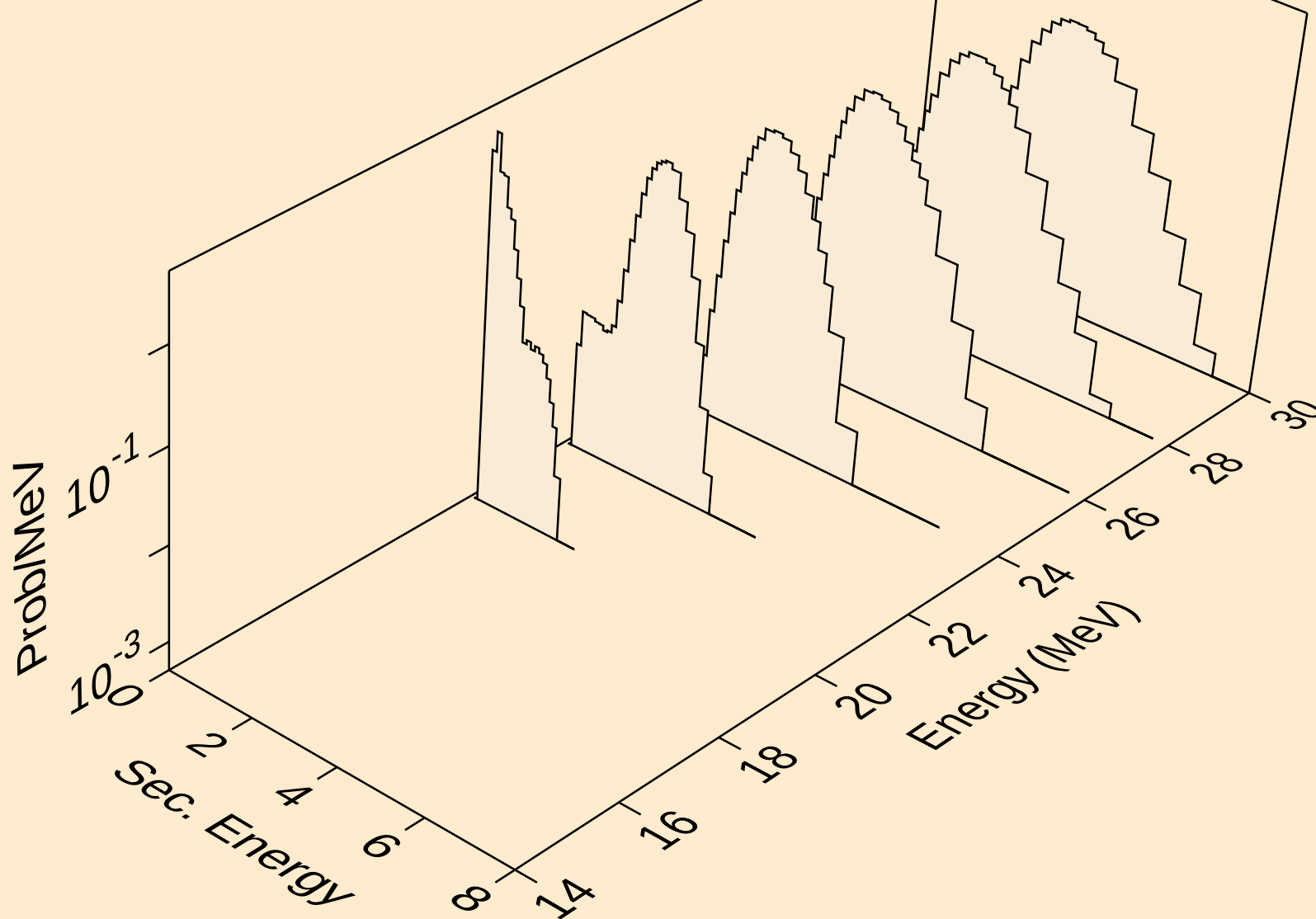


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

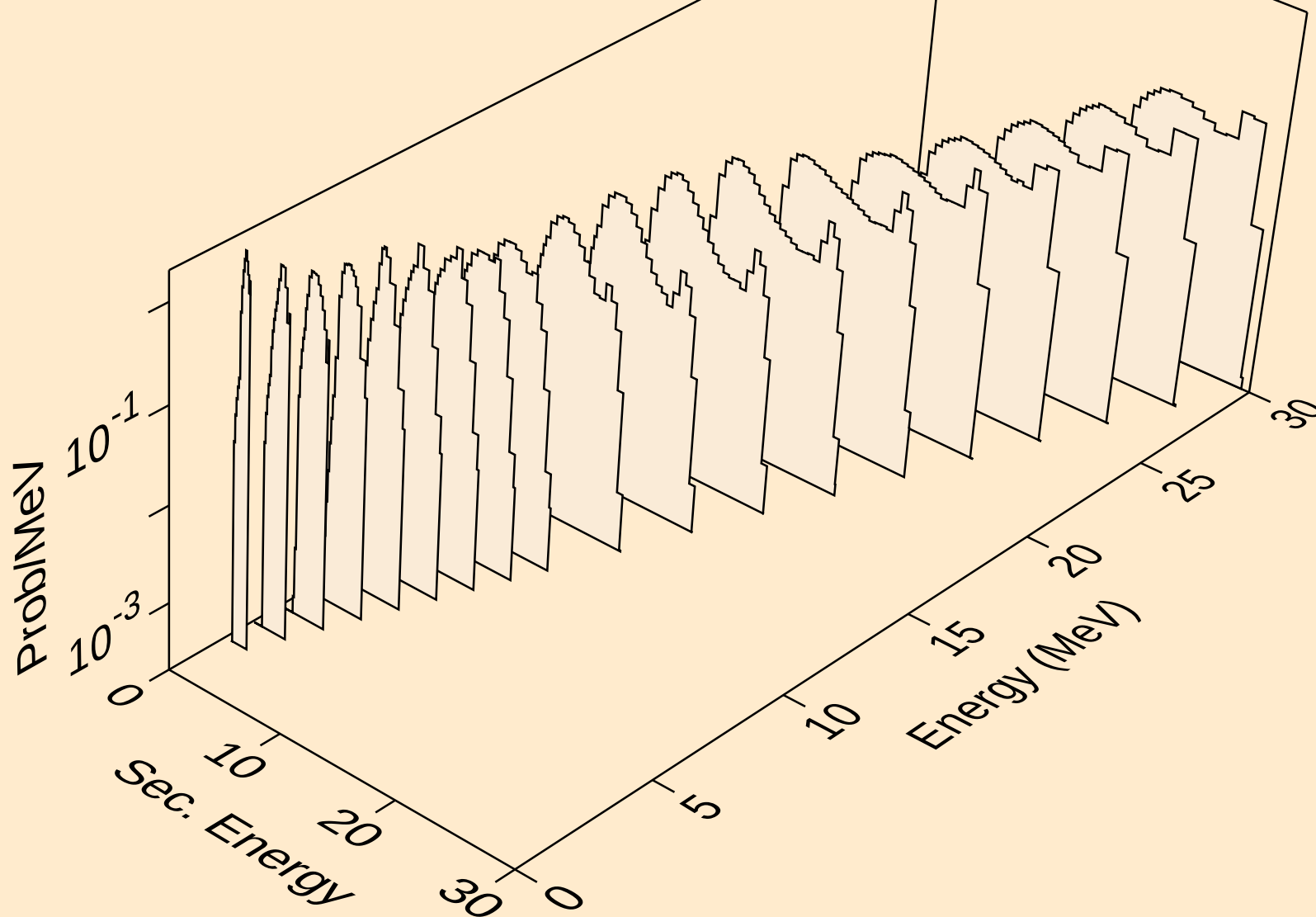
Proton emission for (p,n2p)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for (p,npa)

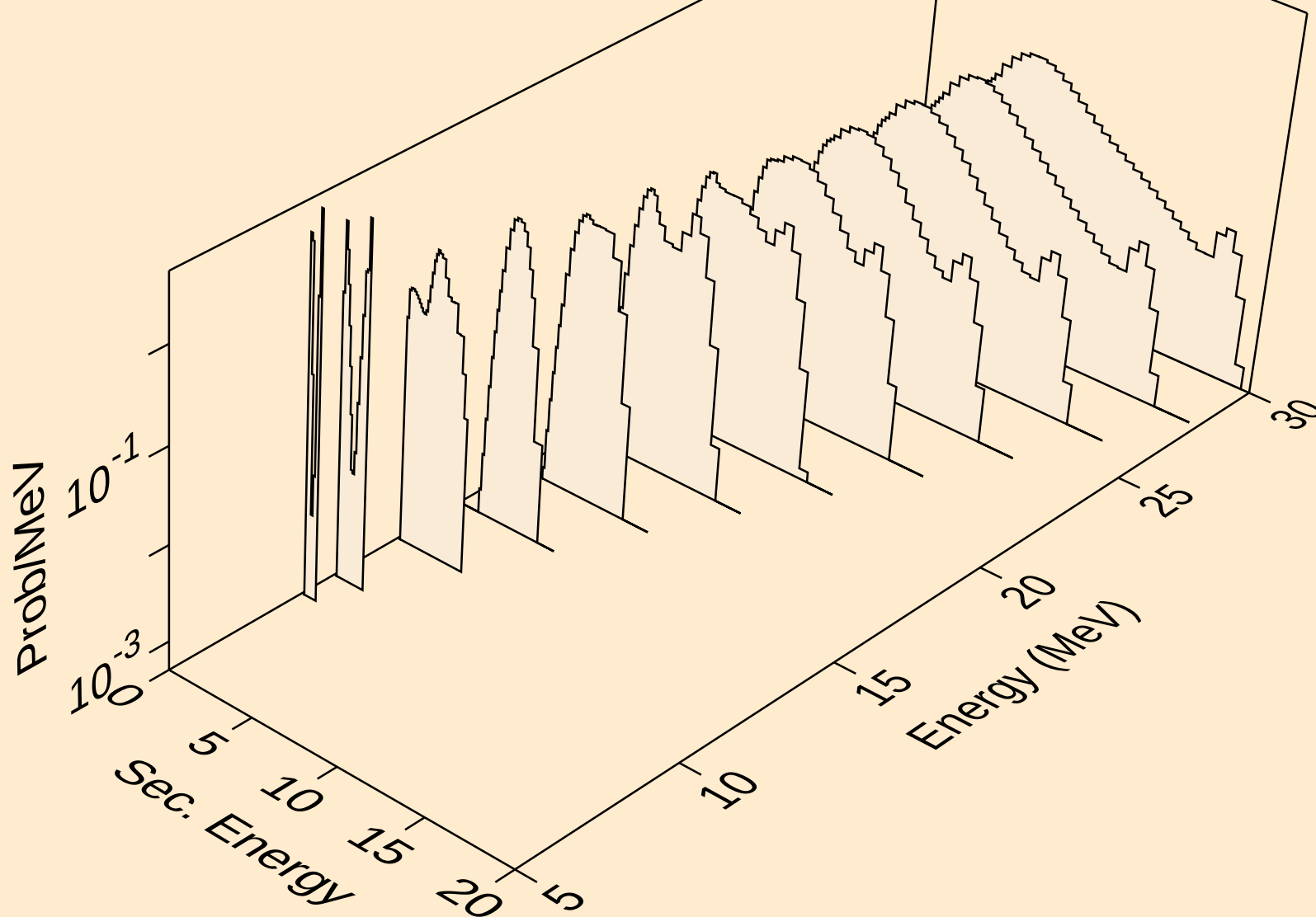


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Proton emission for inelastic



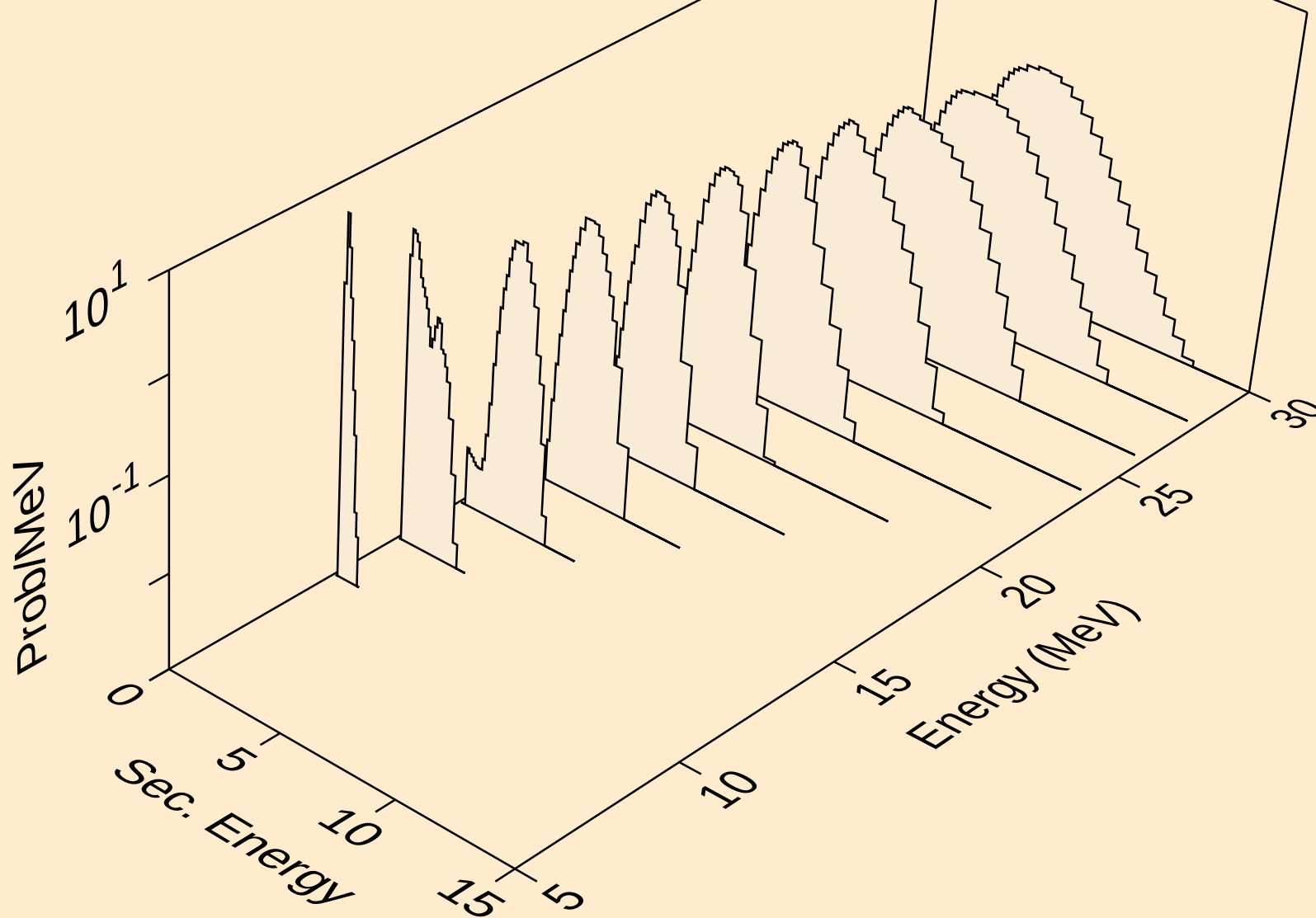
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,2p)



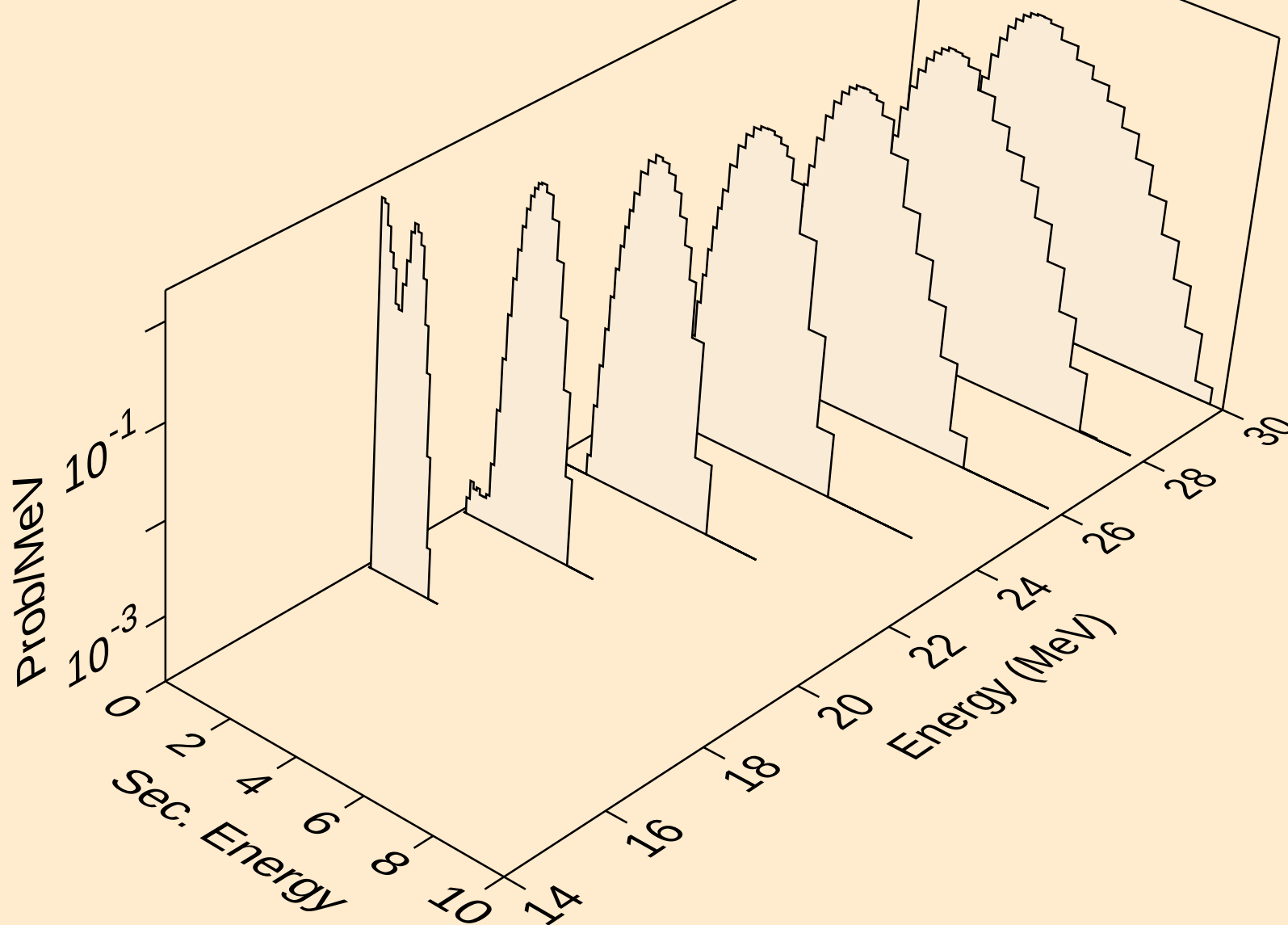
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pa)



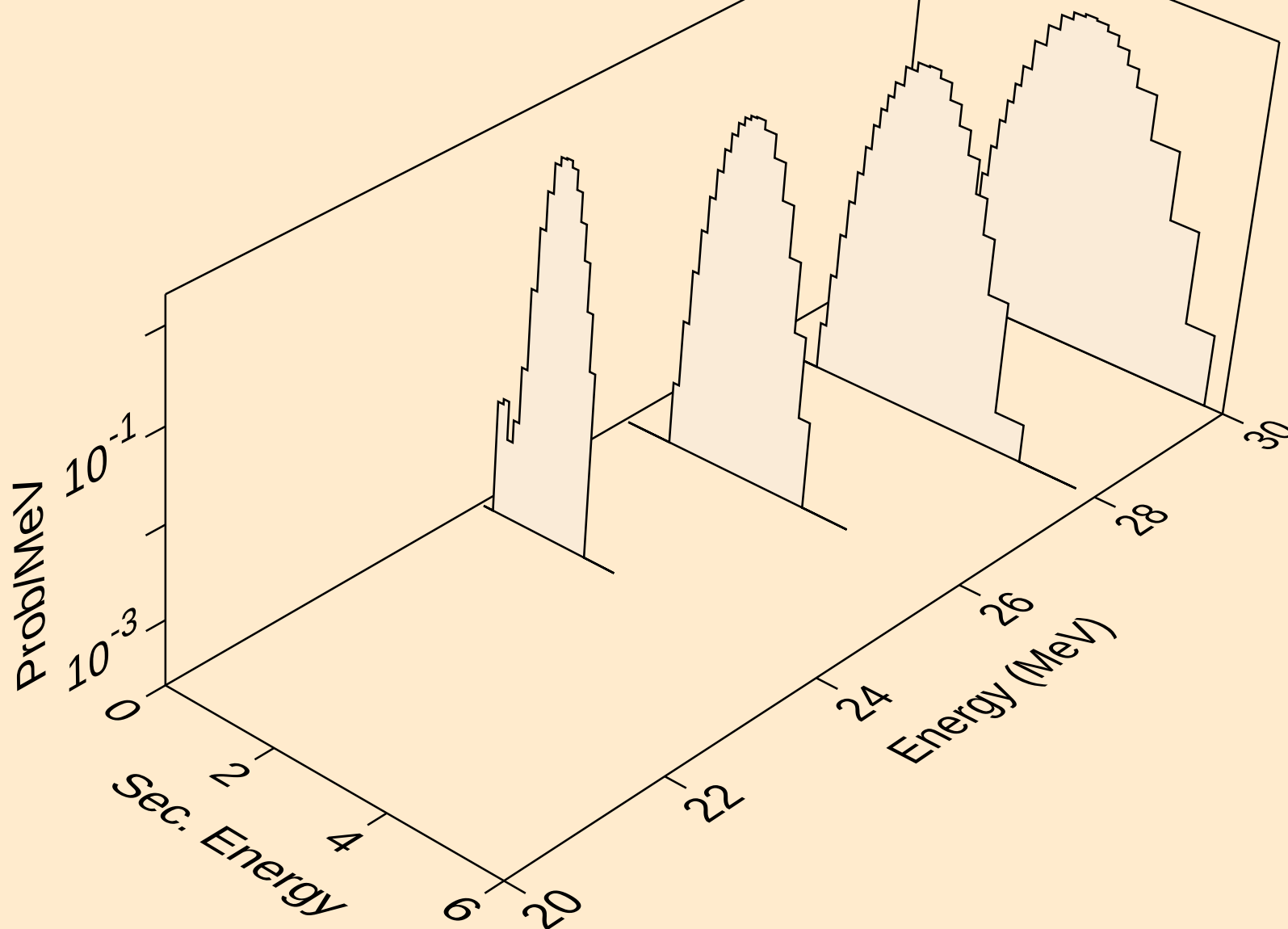
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pd)

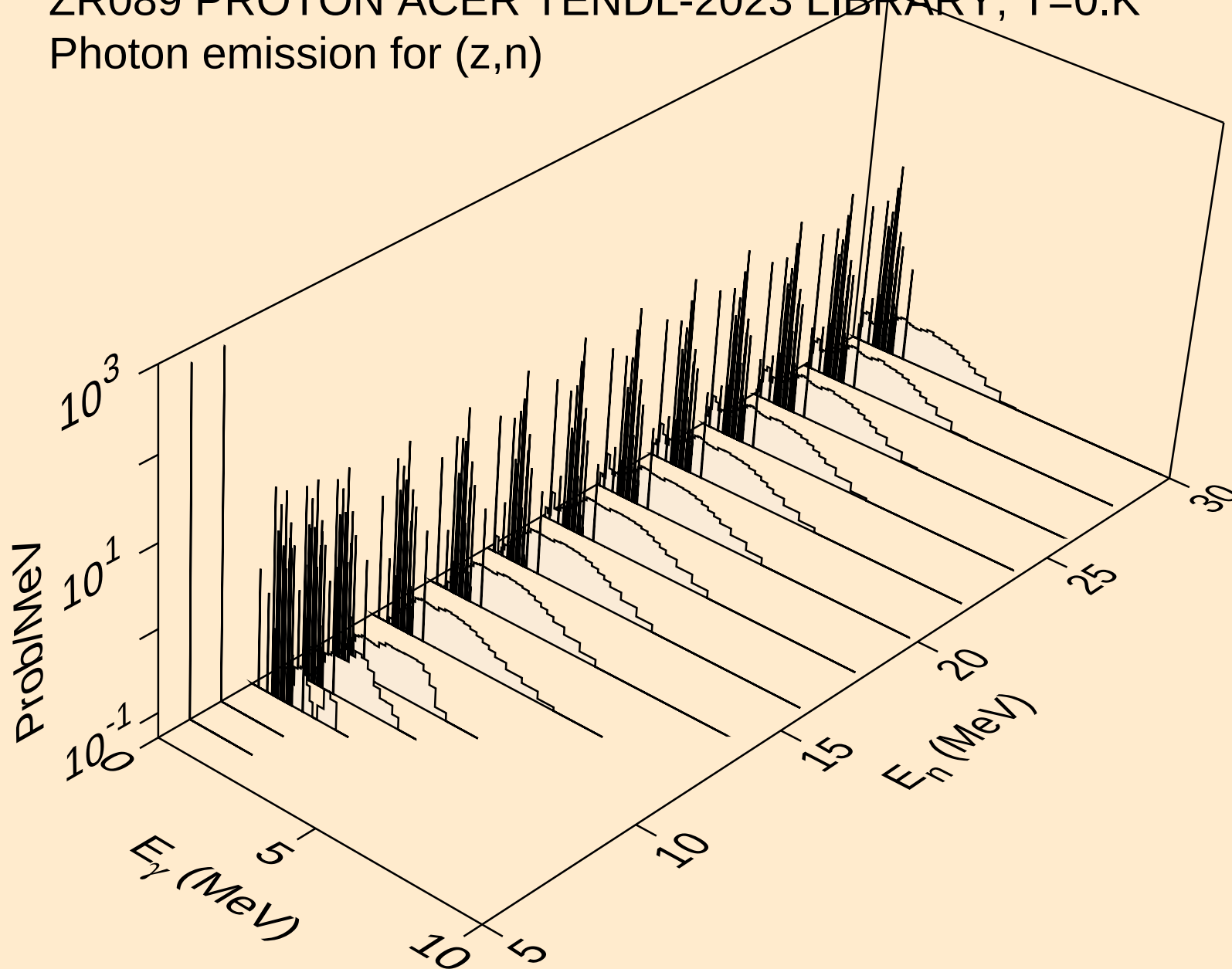


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

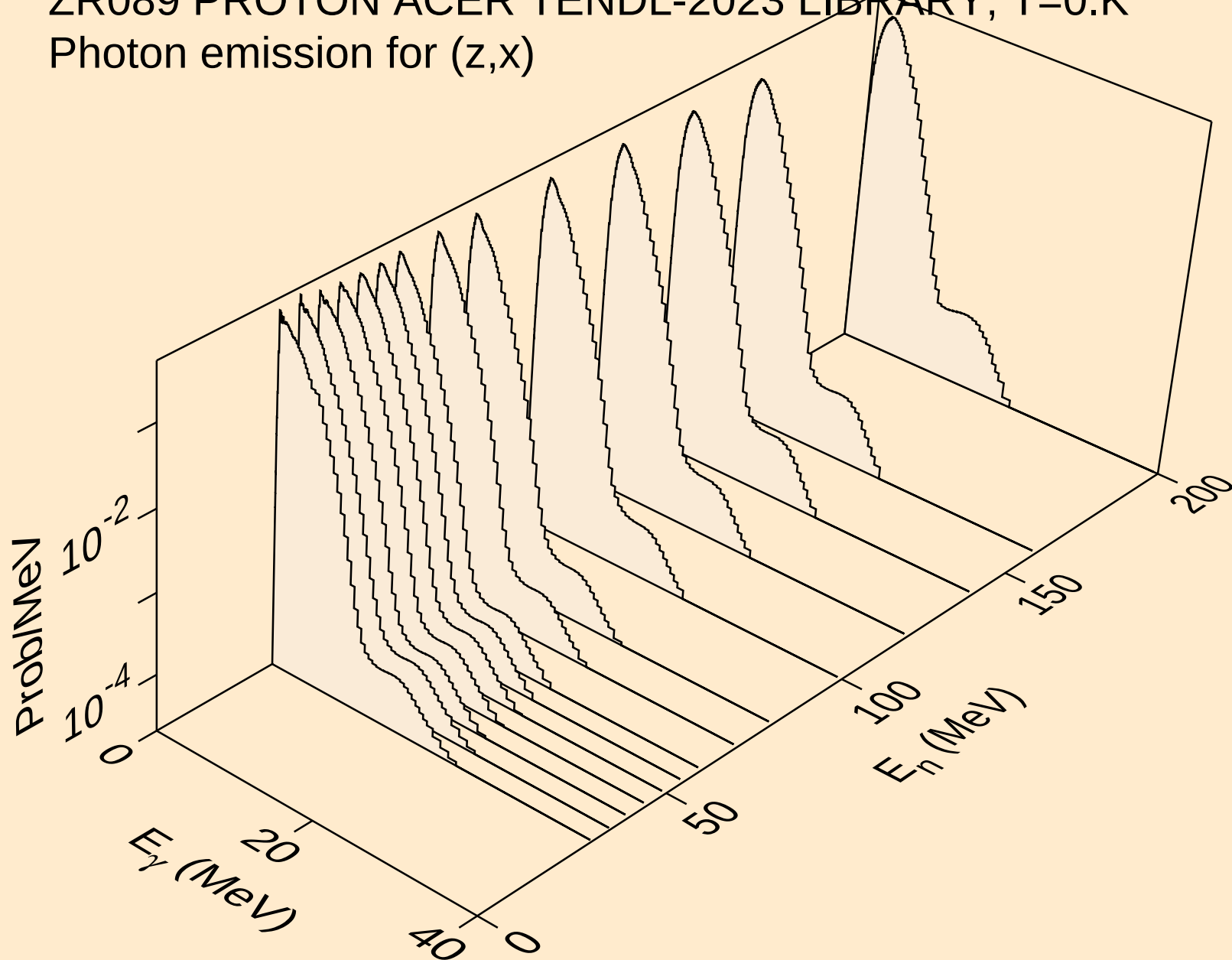


ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (z,n)

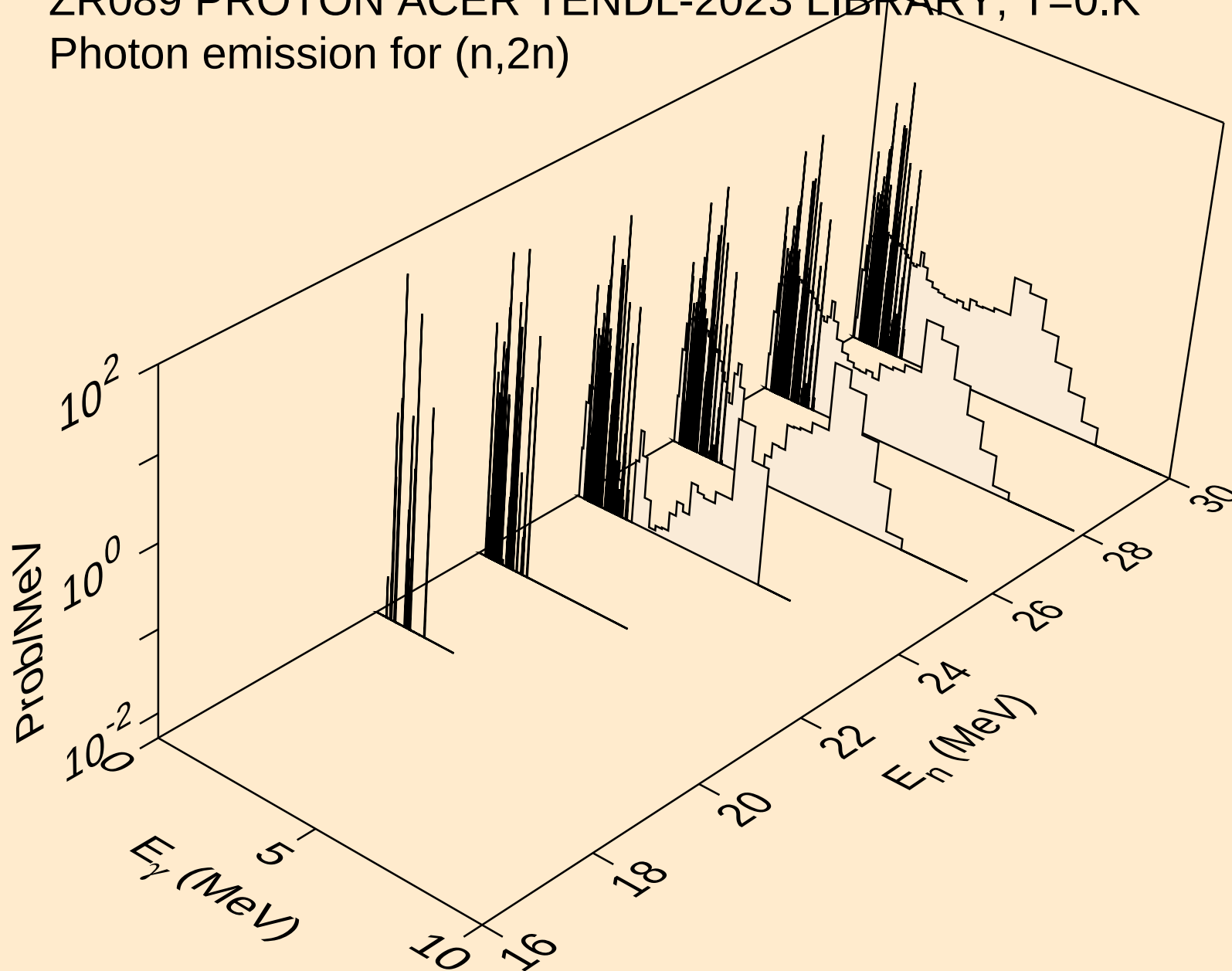


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

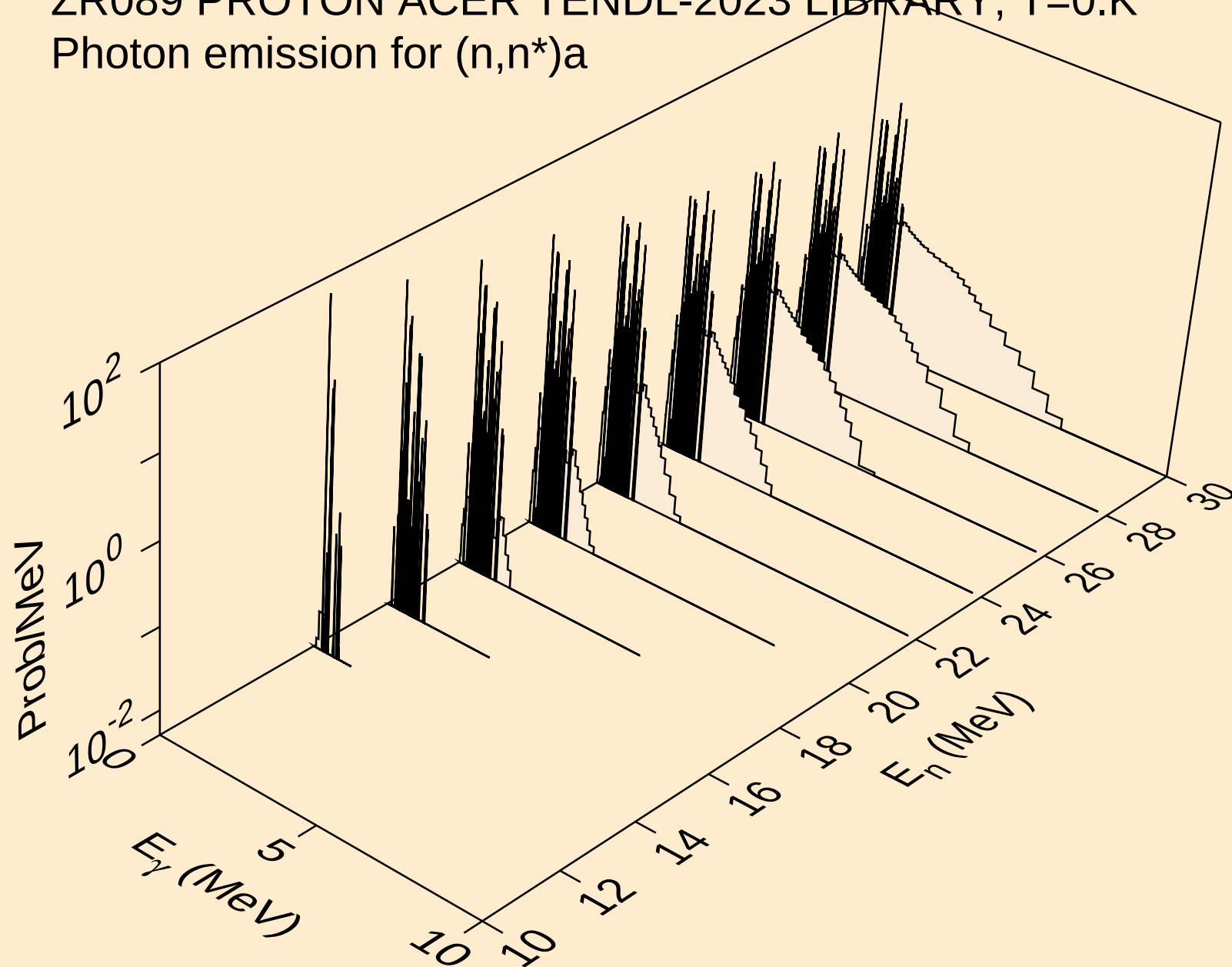


ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)



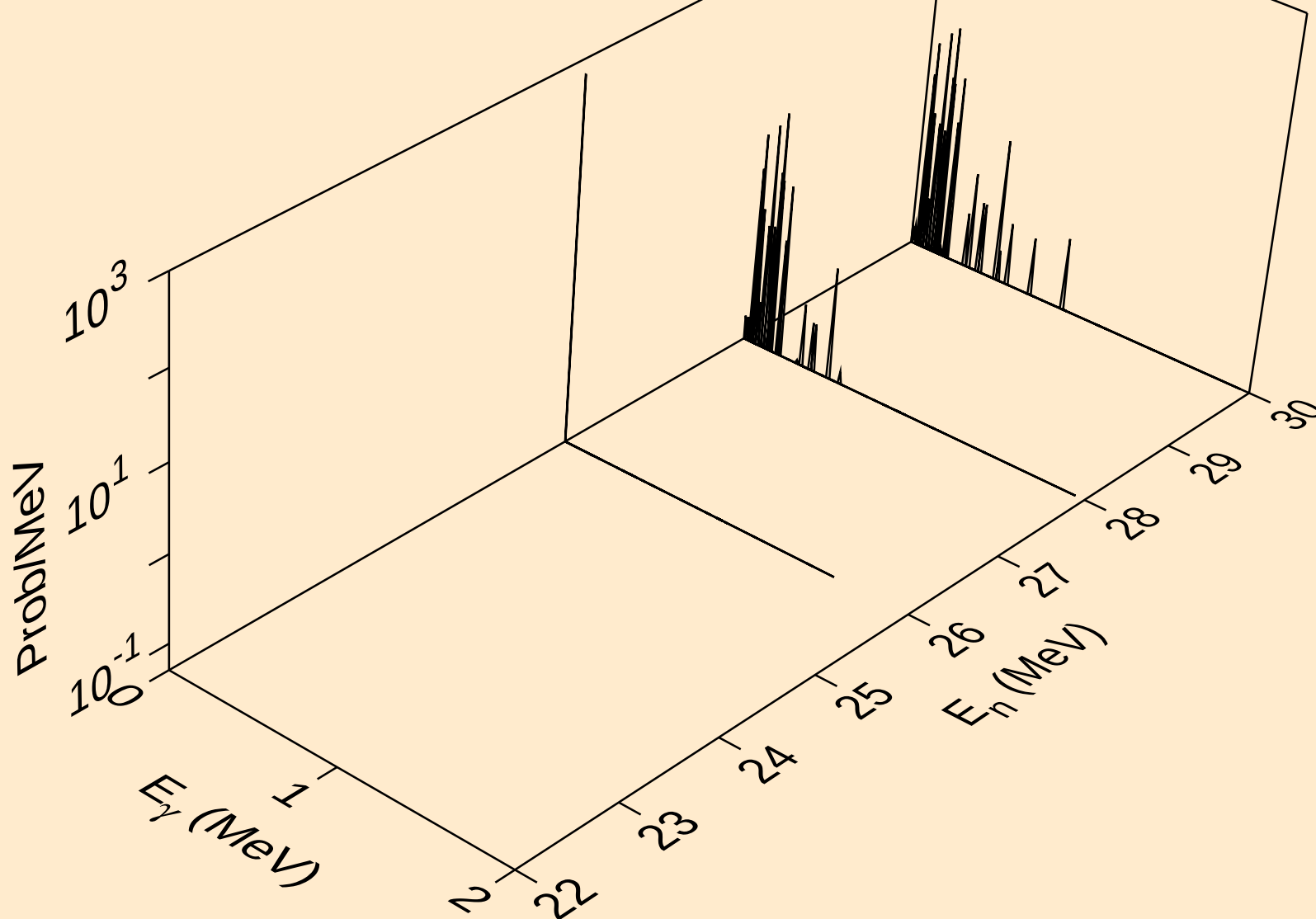
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



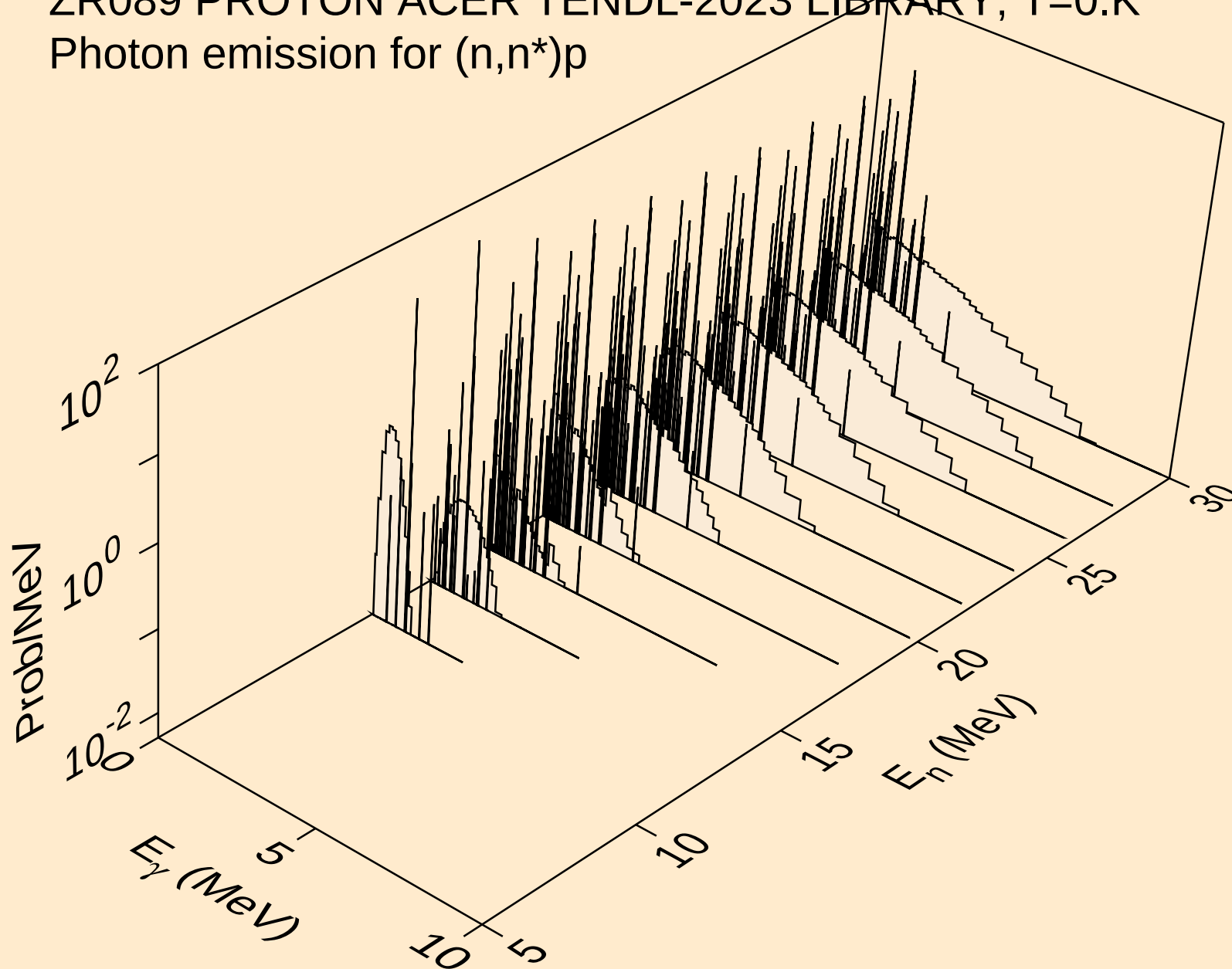
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



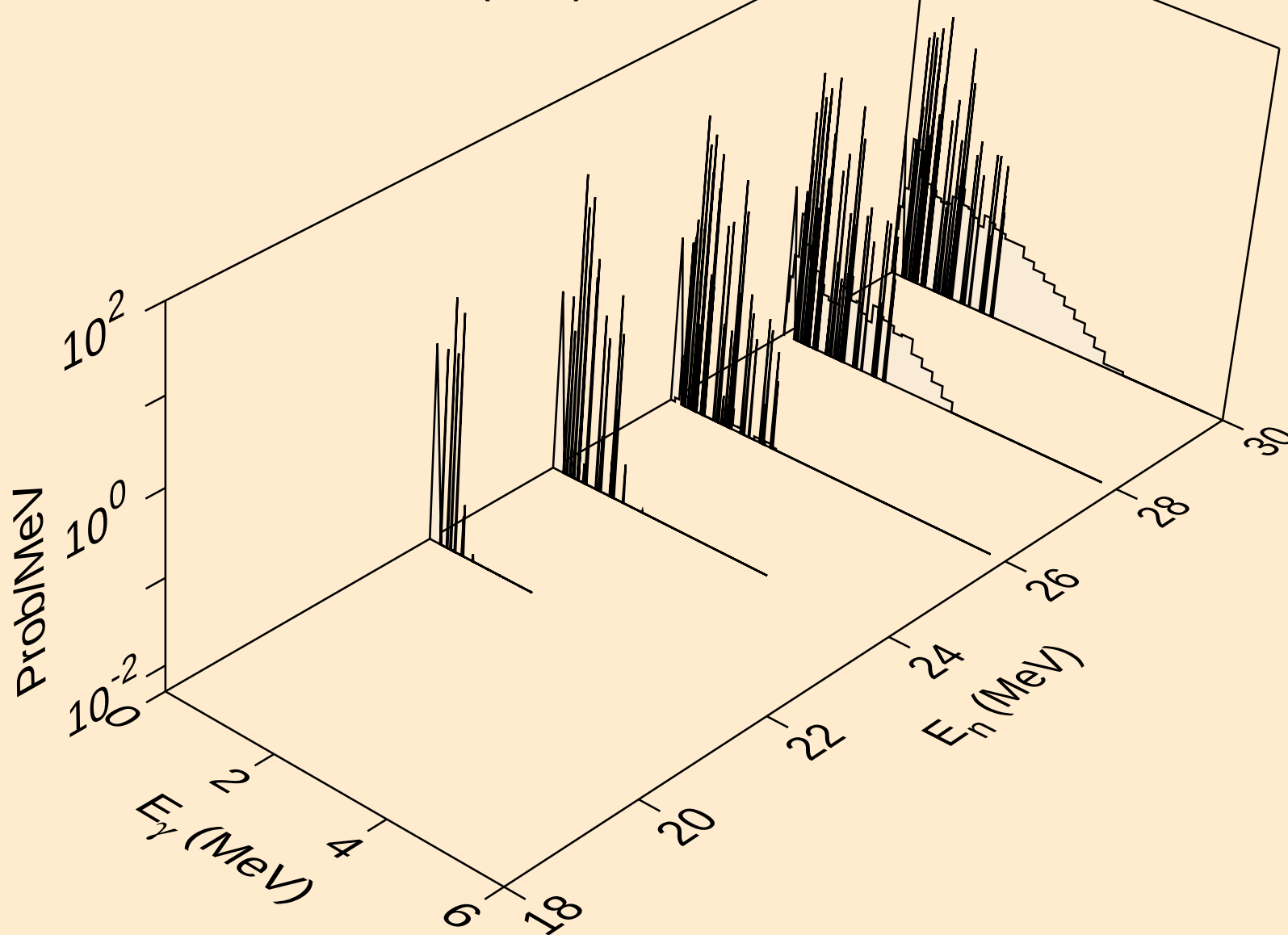
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



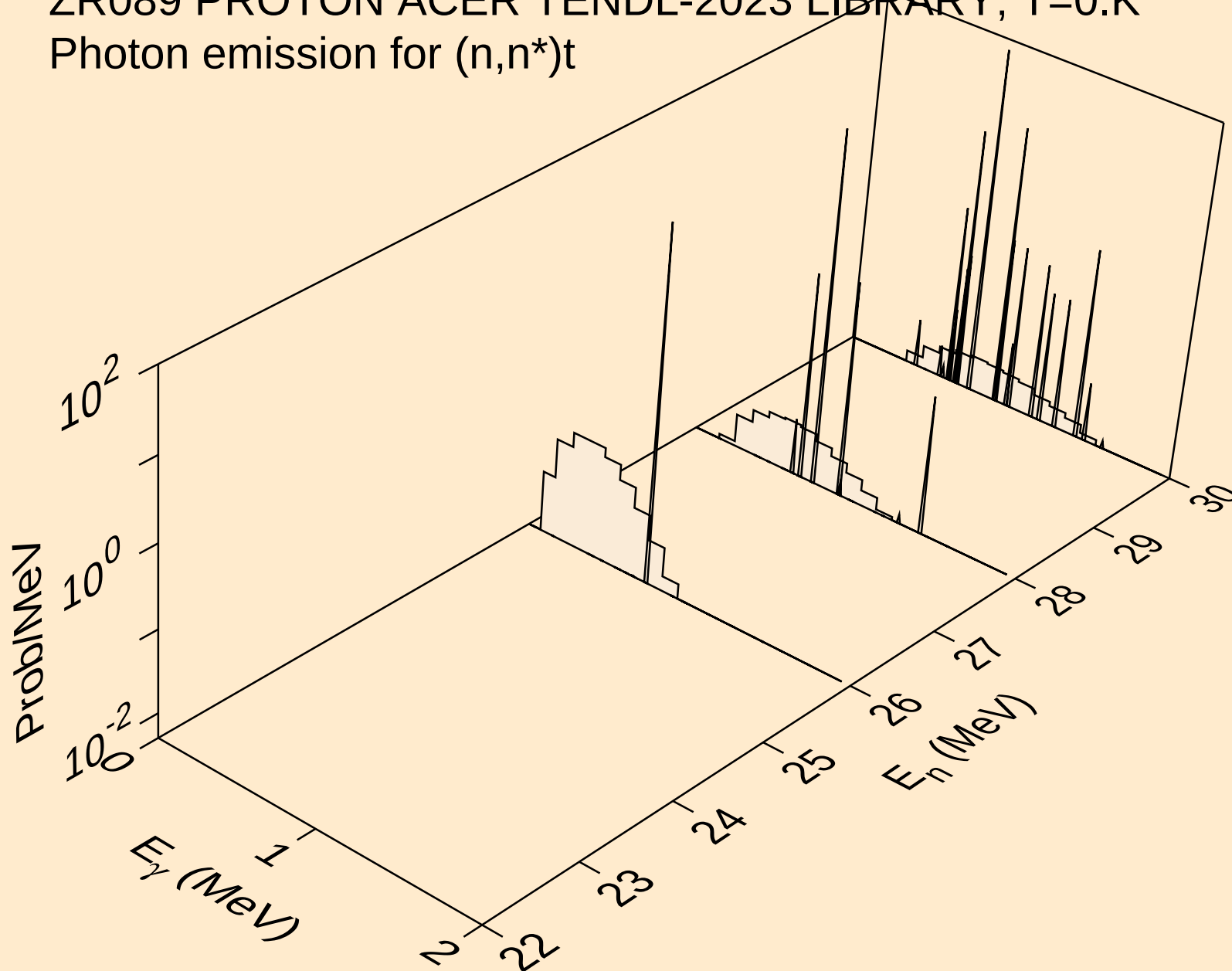
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d



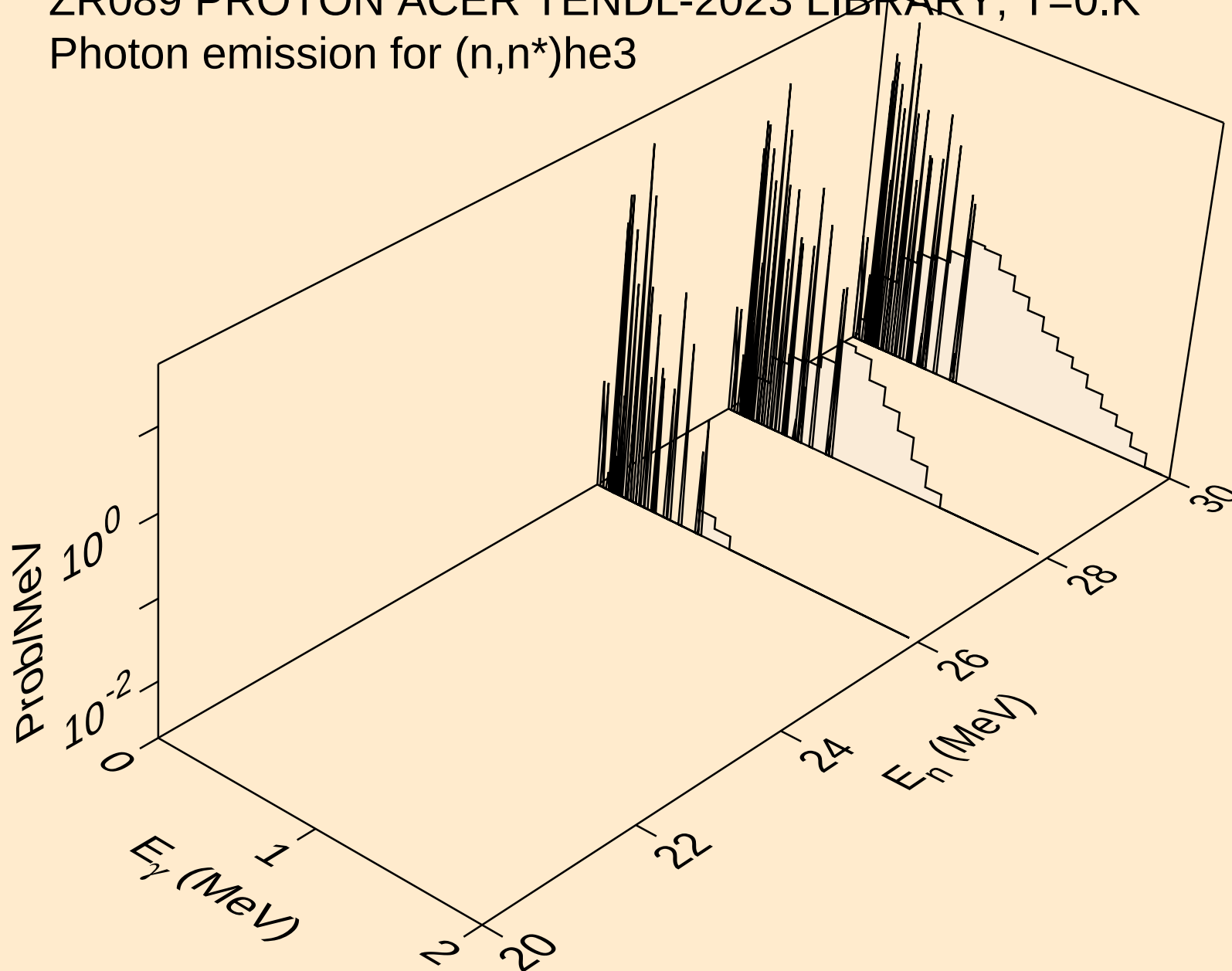
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)t

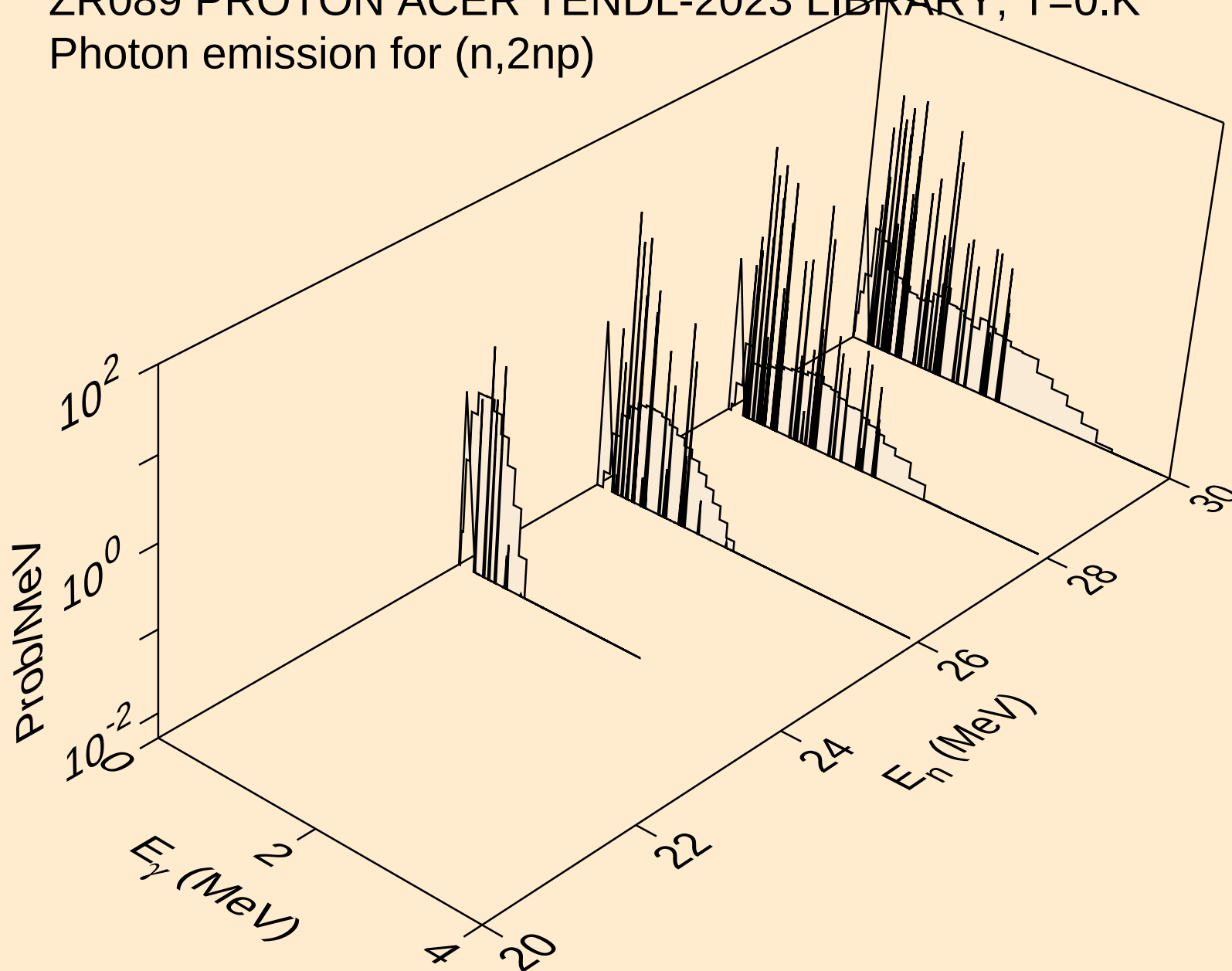


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

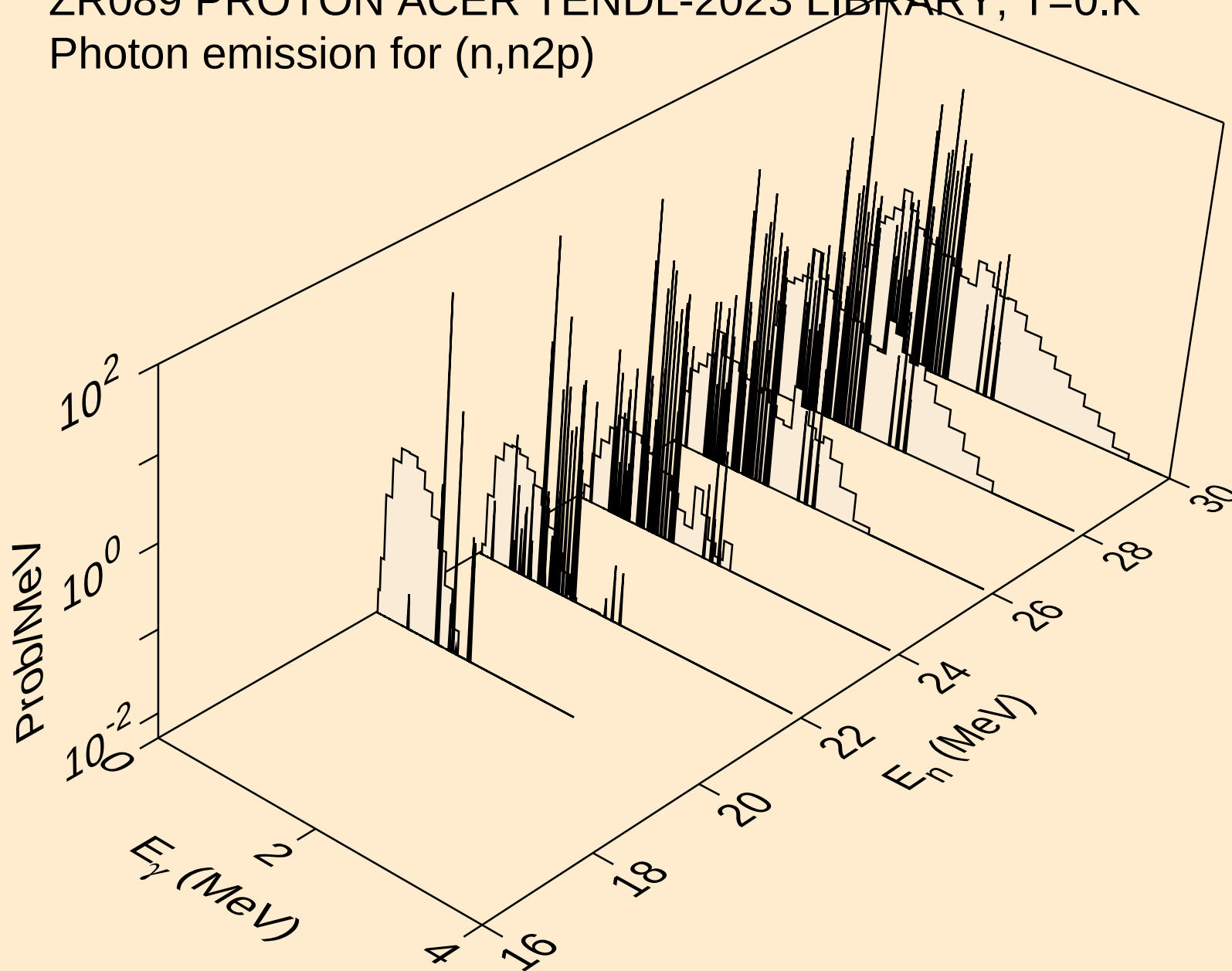
Photon emission for (n,n*)he3



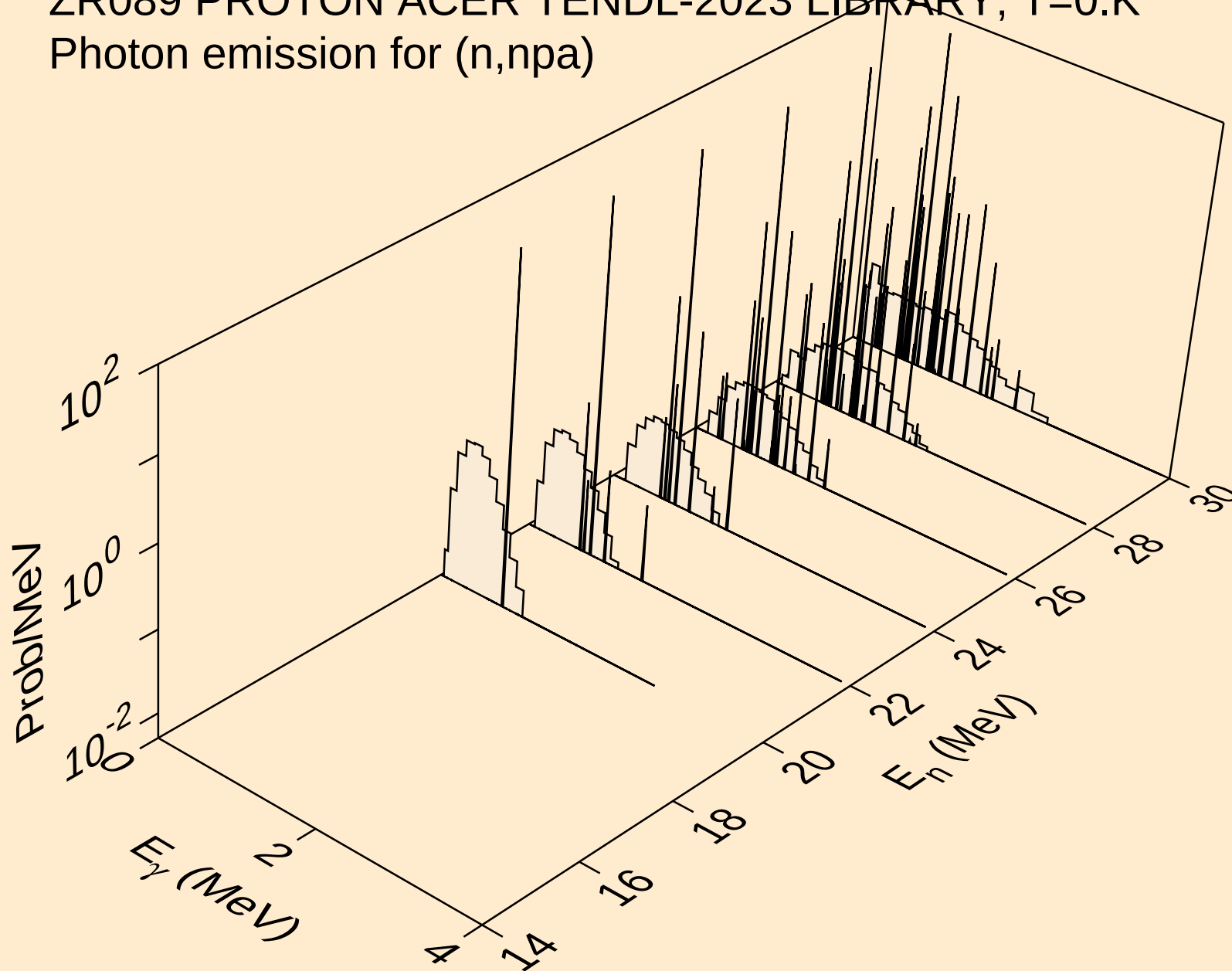
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



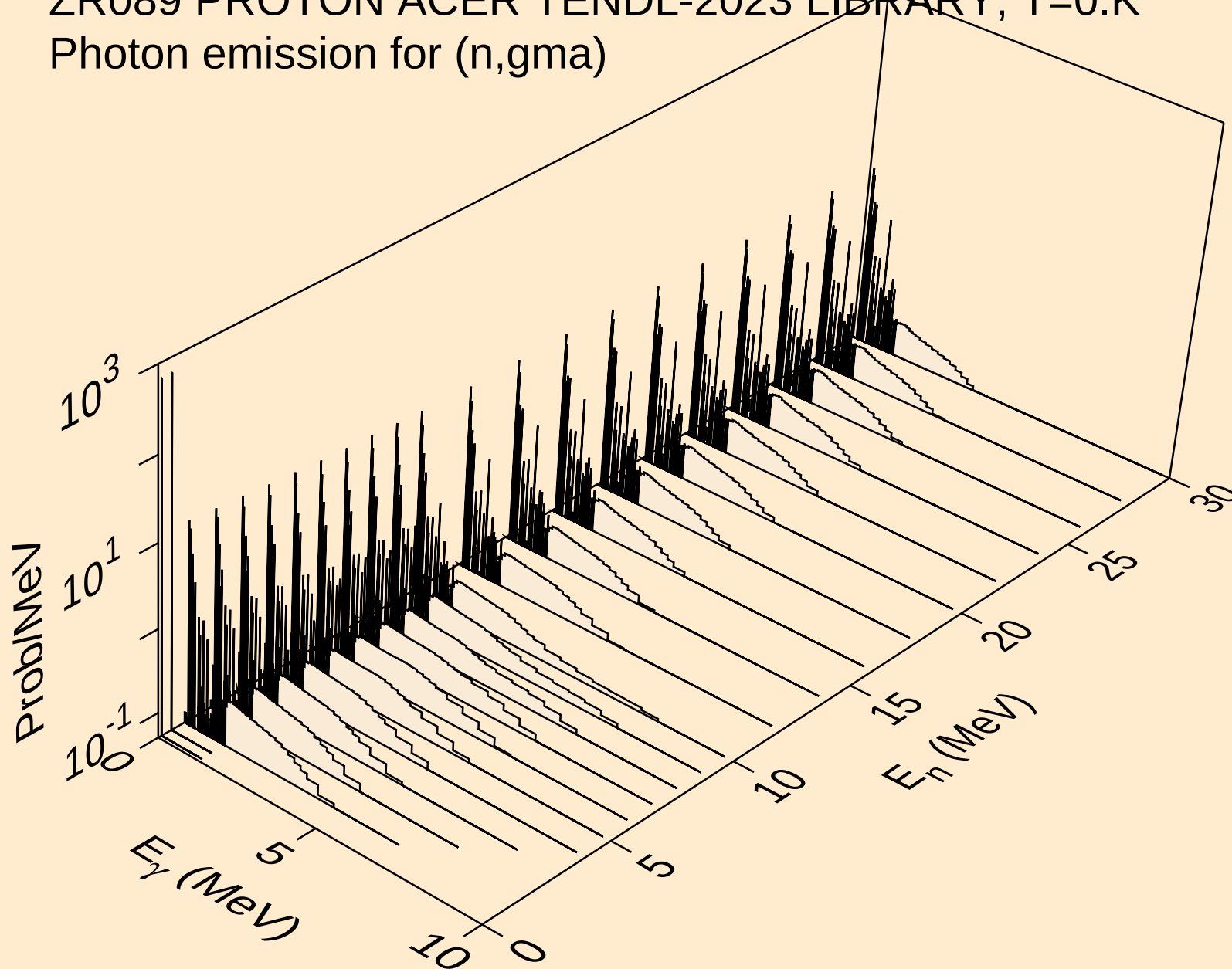
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,n2p)



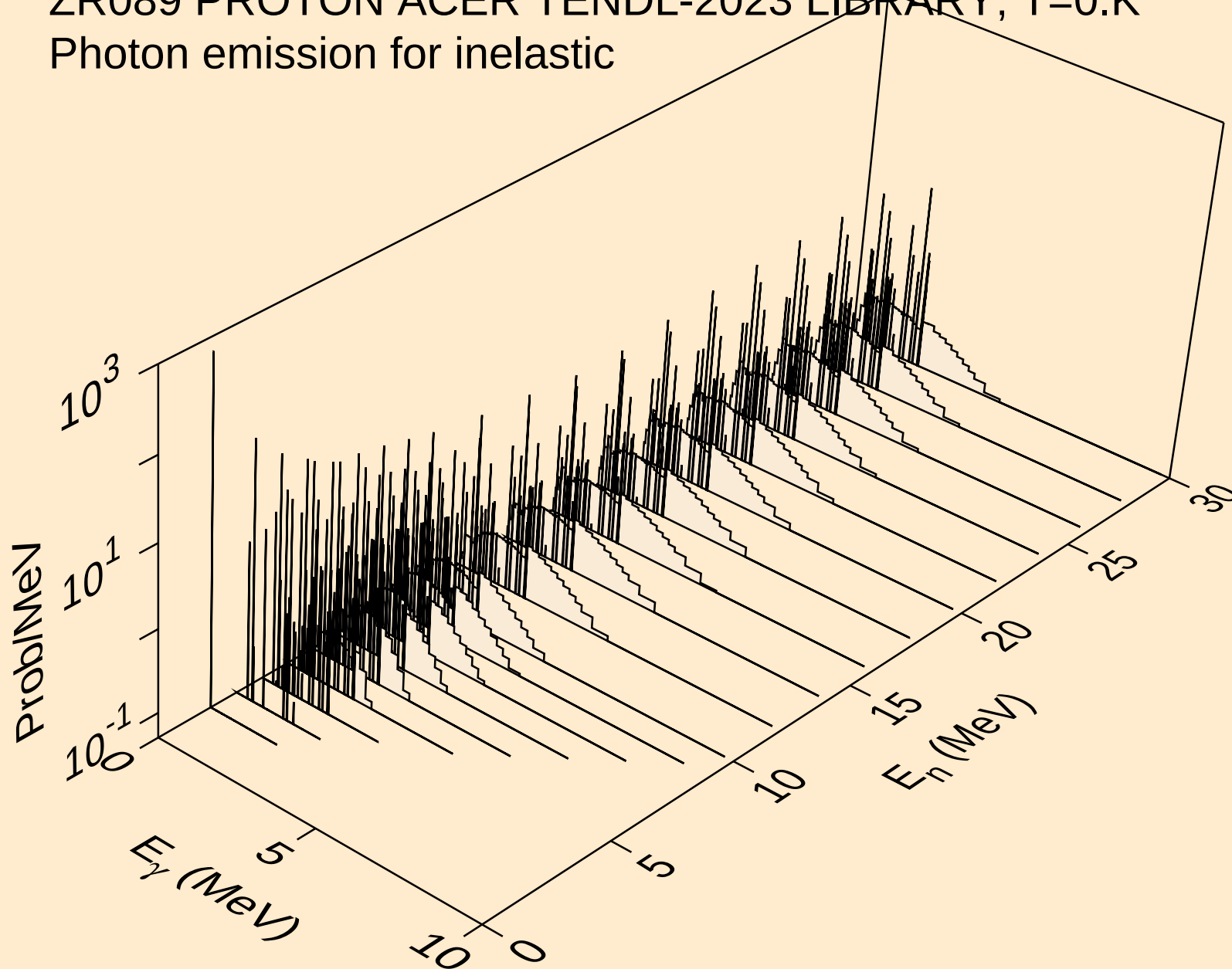
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,npa)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)

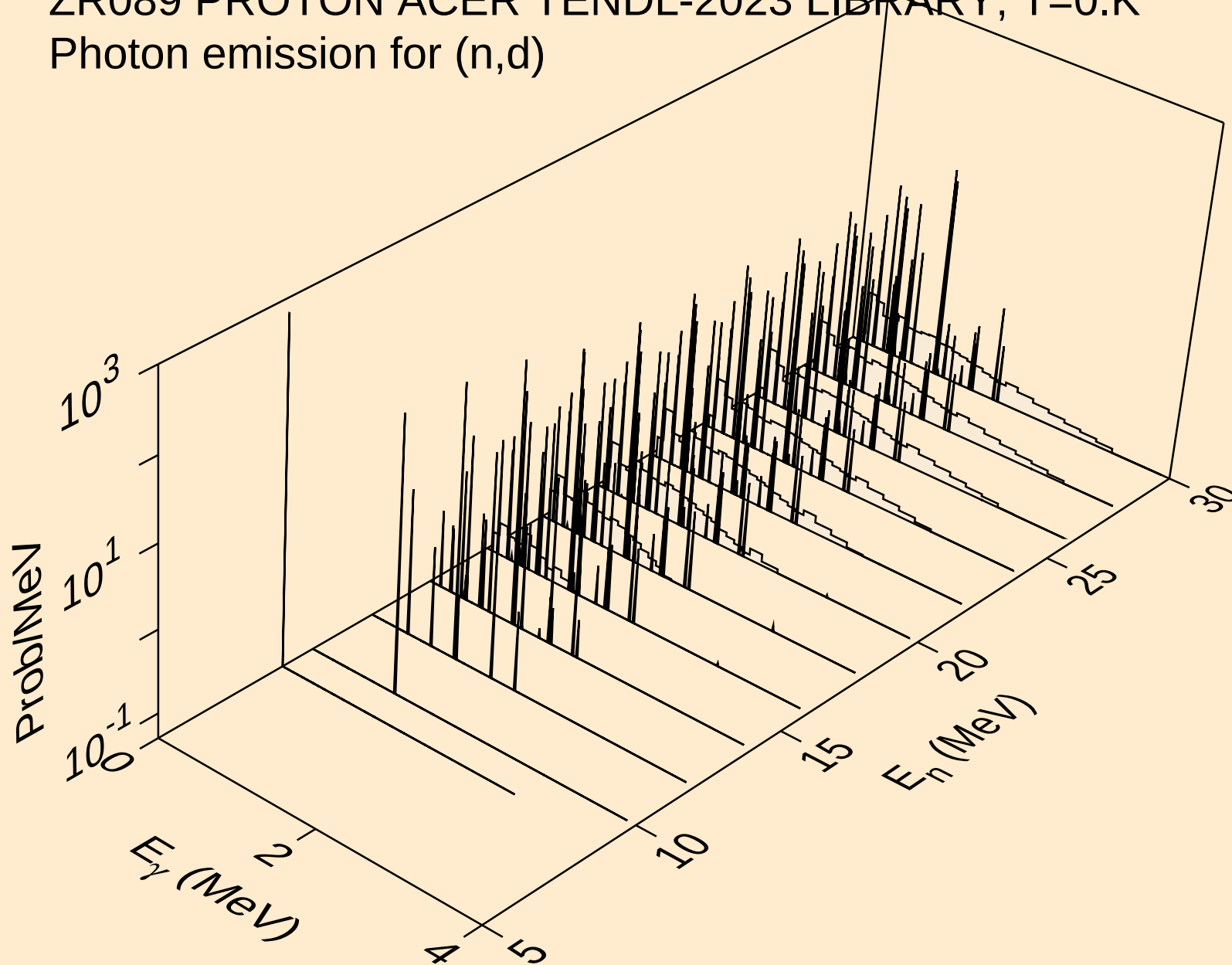


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic

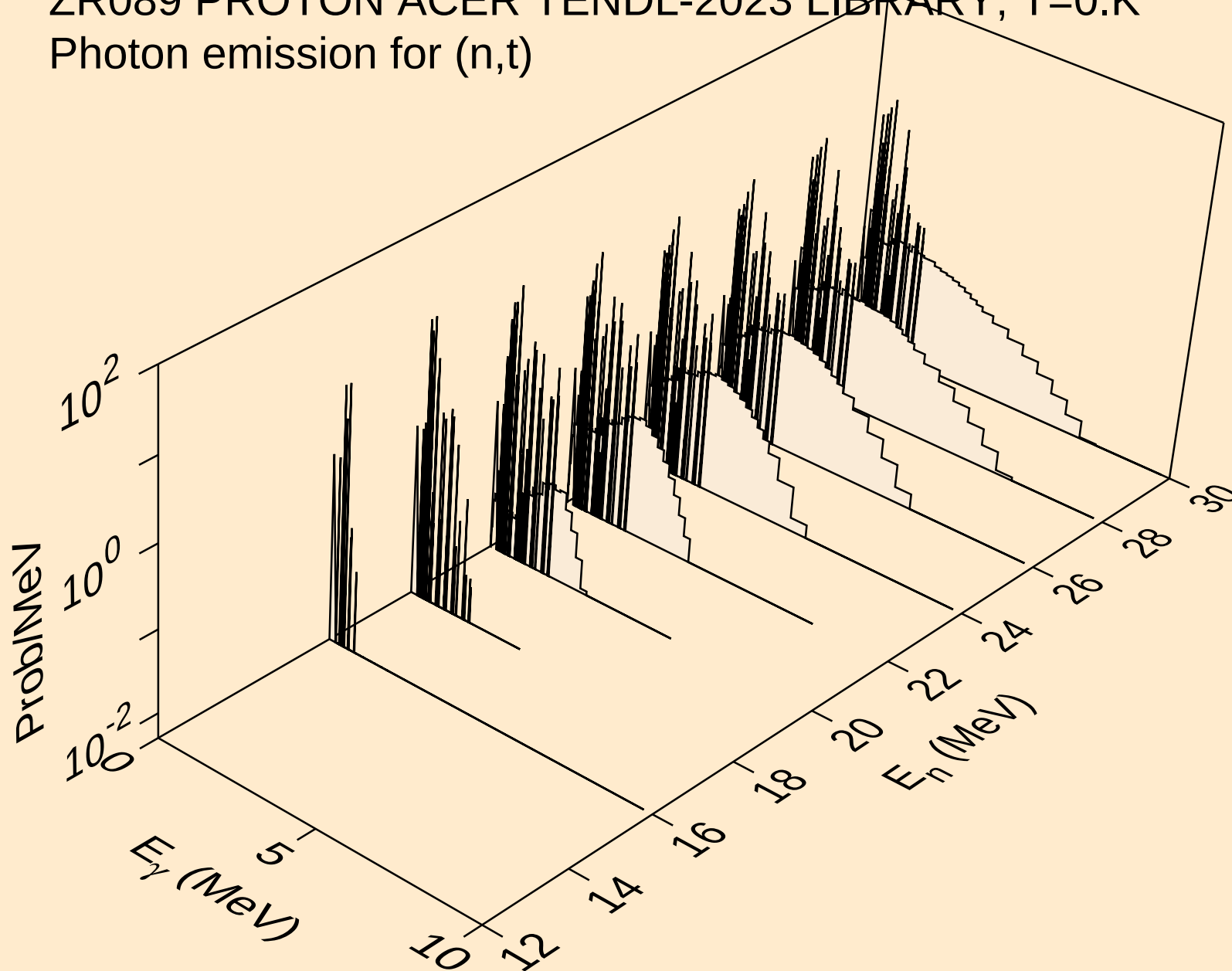


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

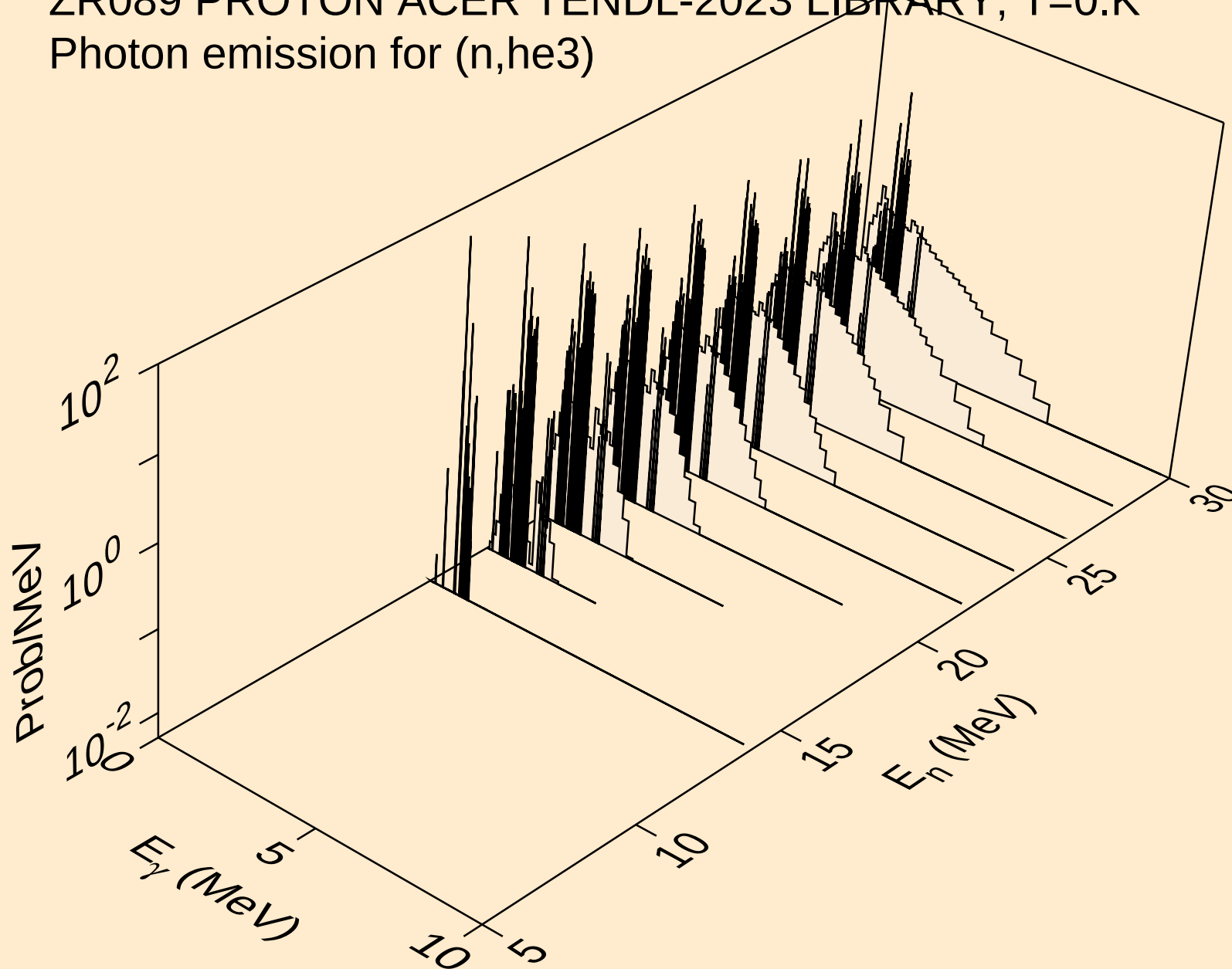
Photon emission for (n,d)



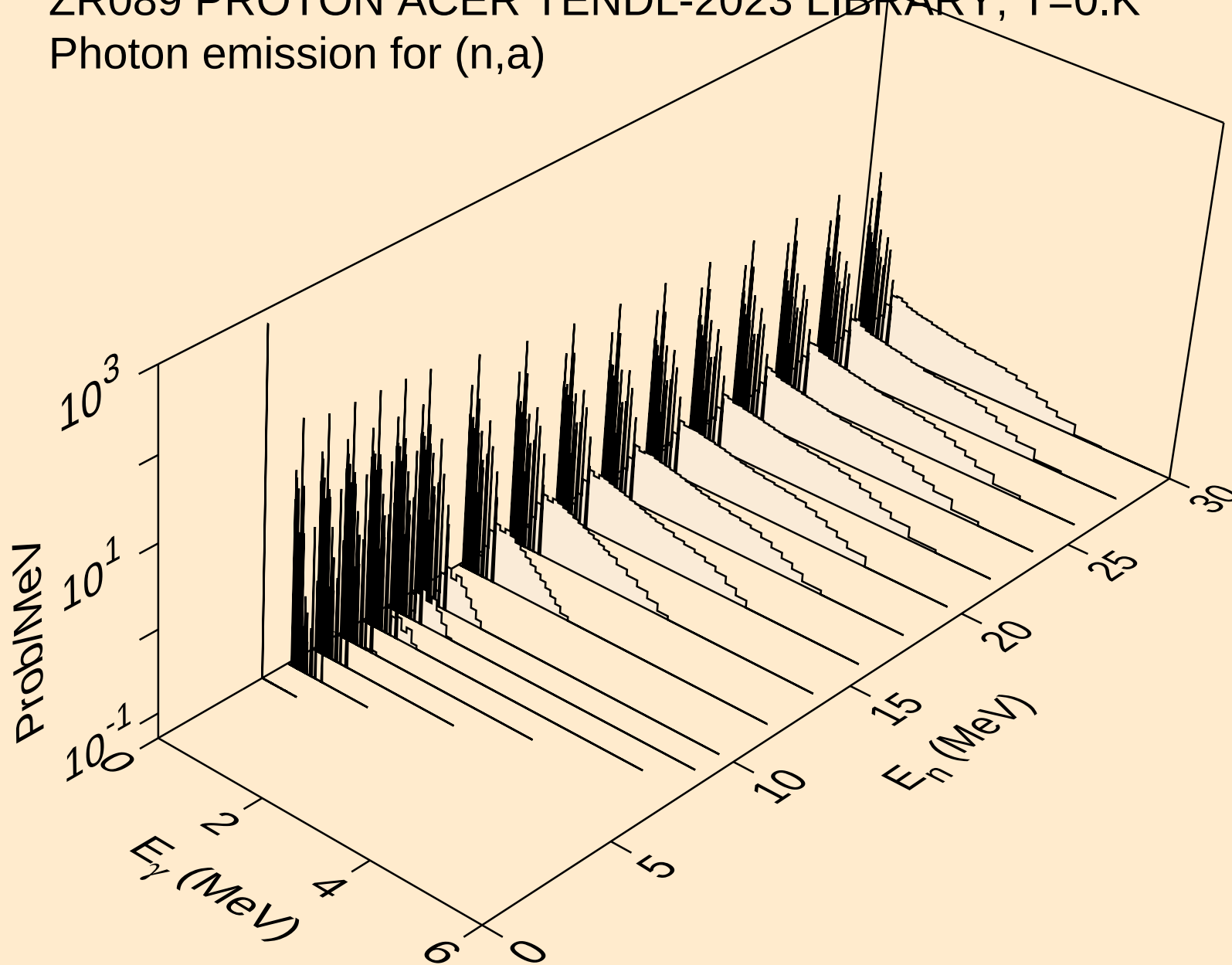
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,t)



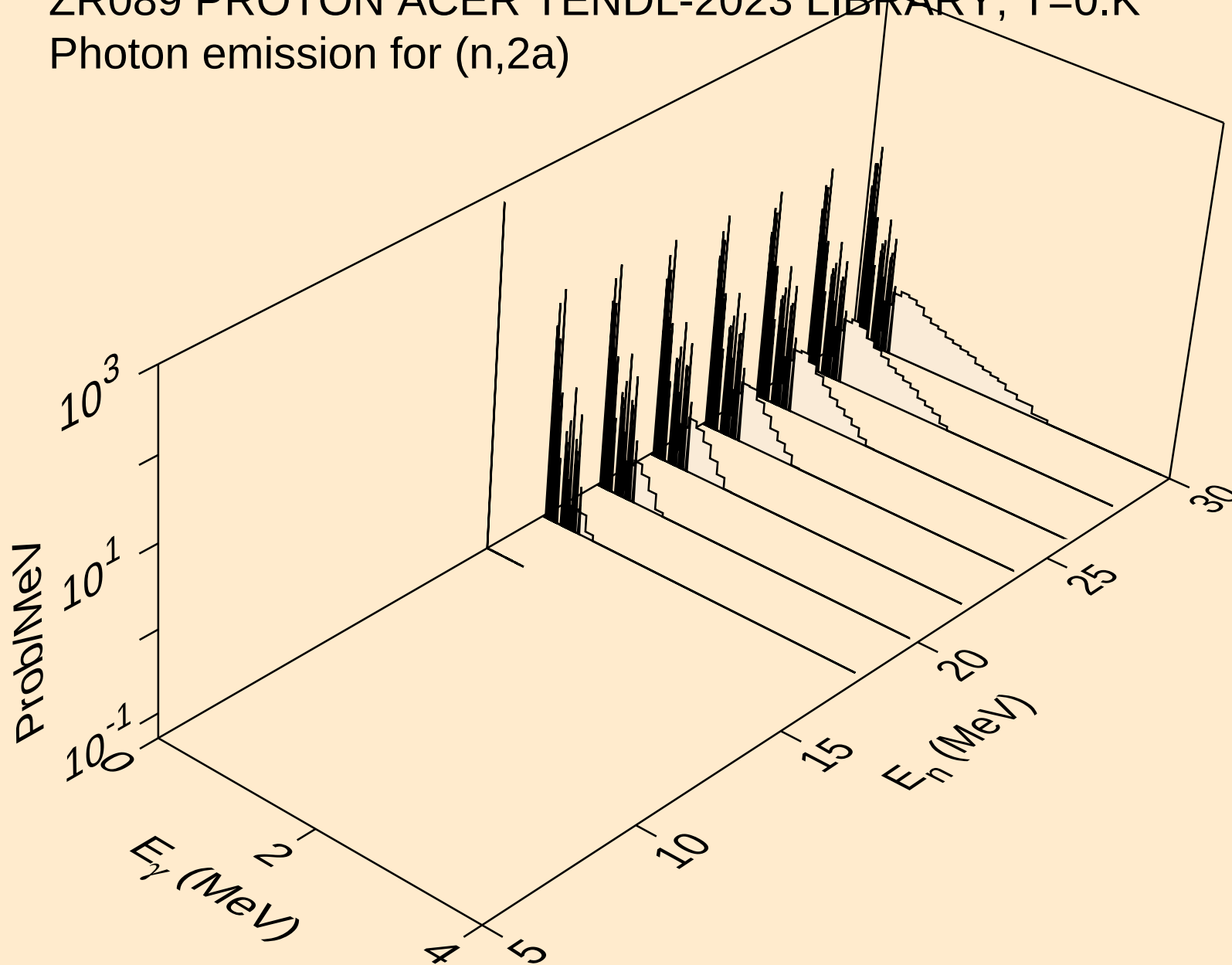
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,he3)



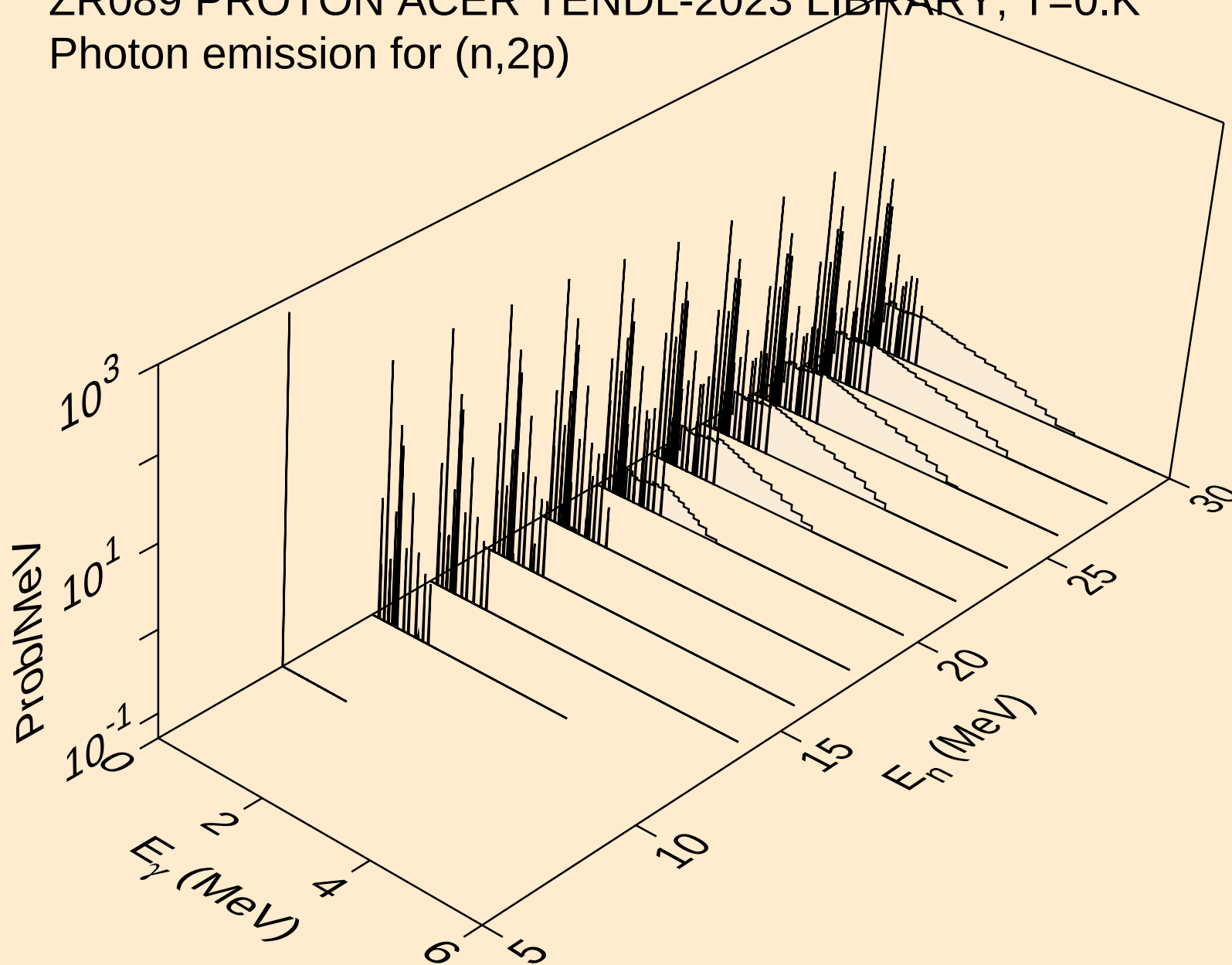
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)



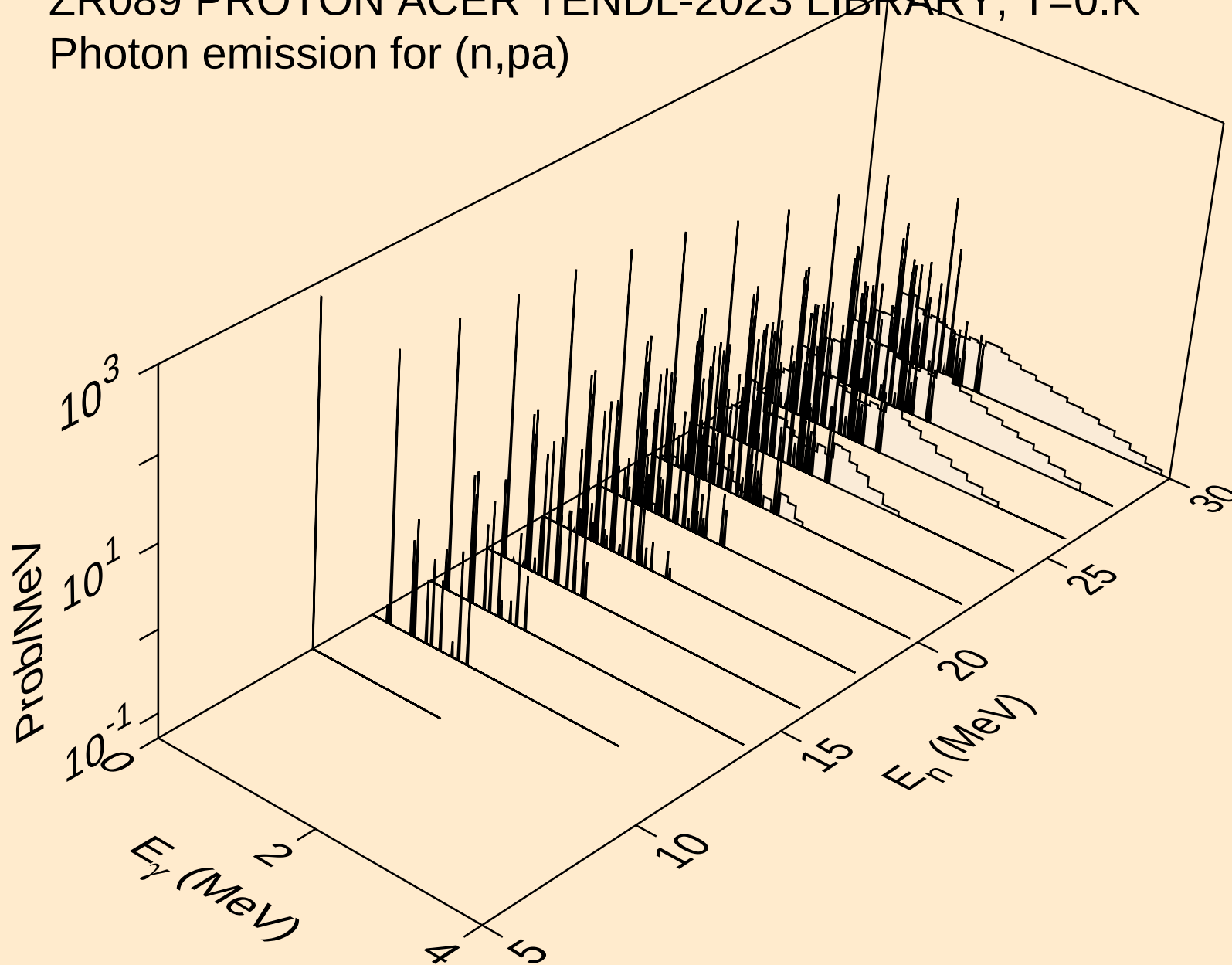
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2a)



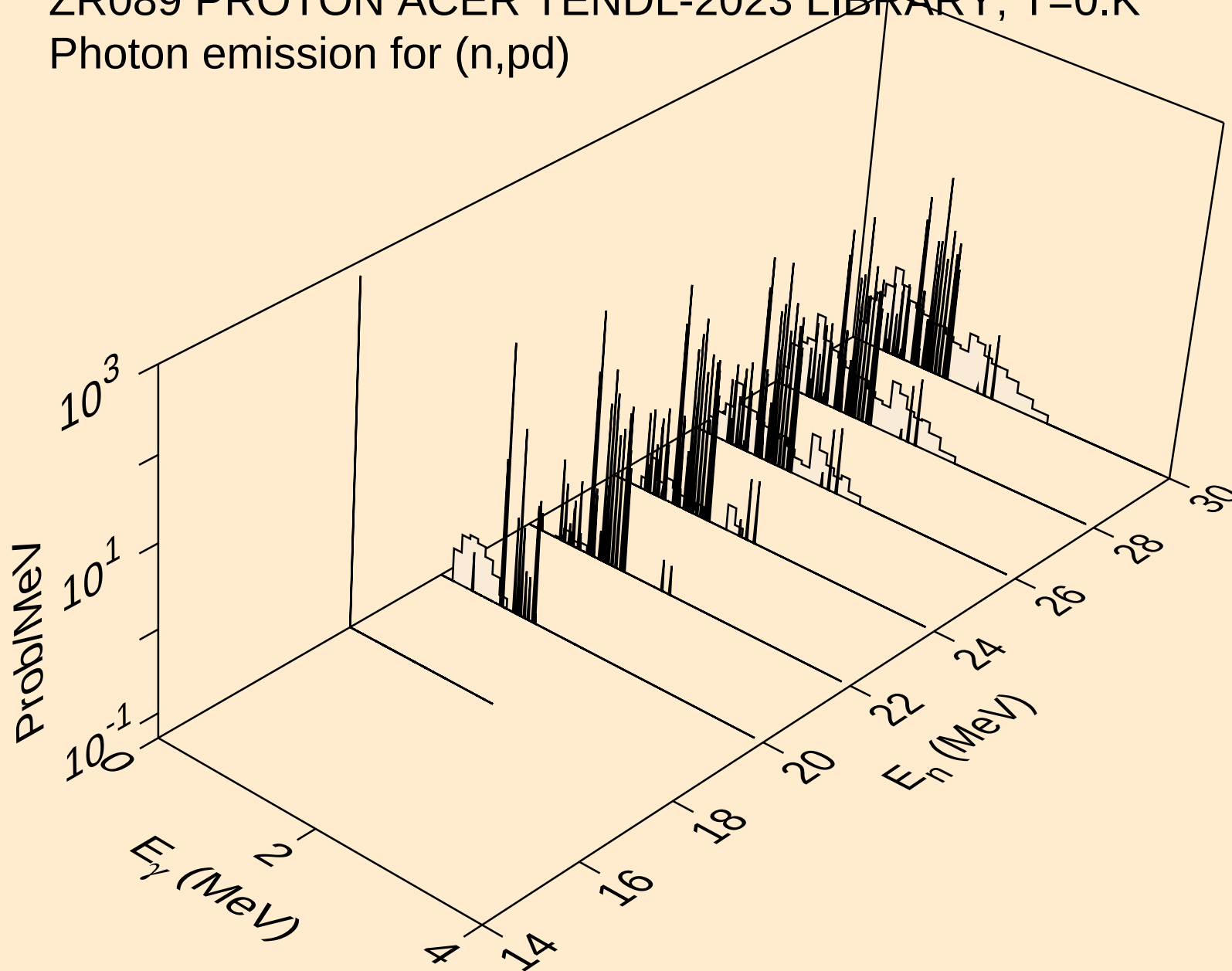
ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2p)



ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,p α)

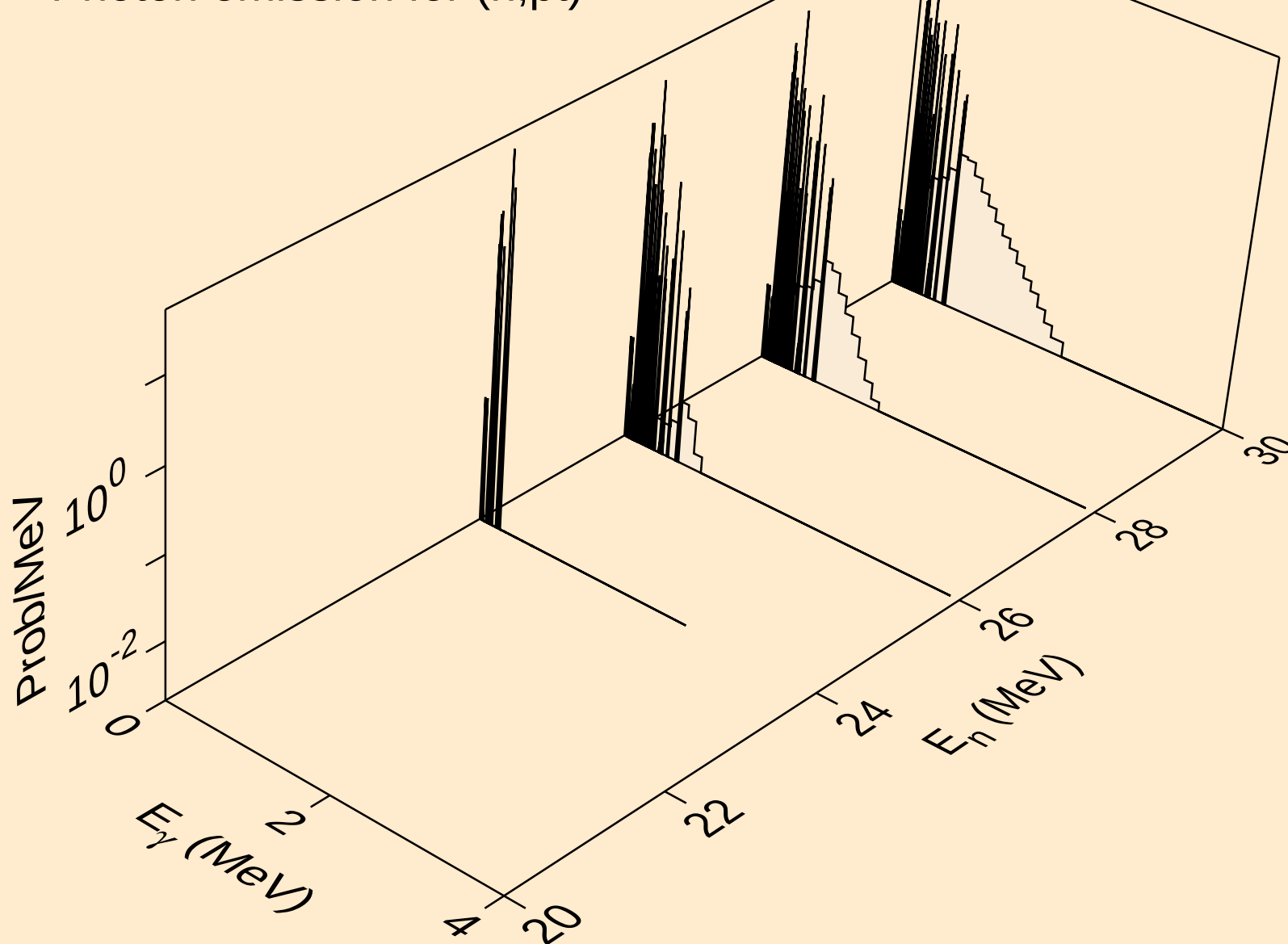


ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,pd)

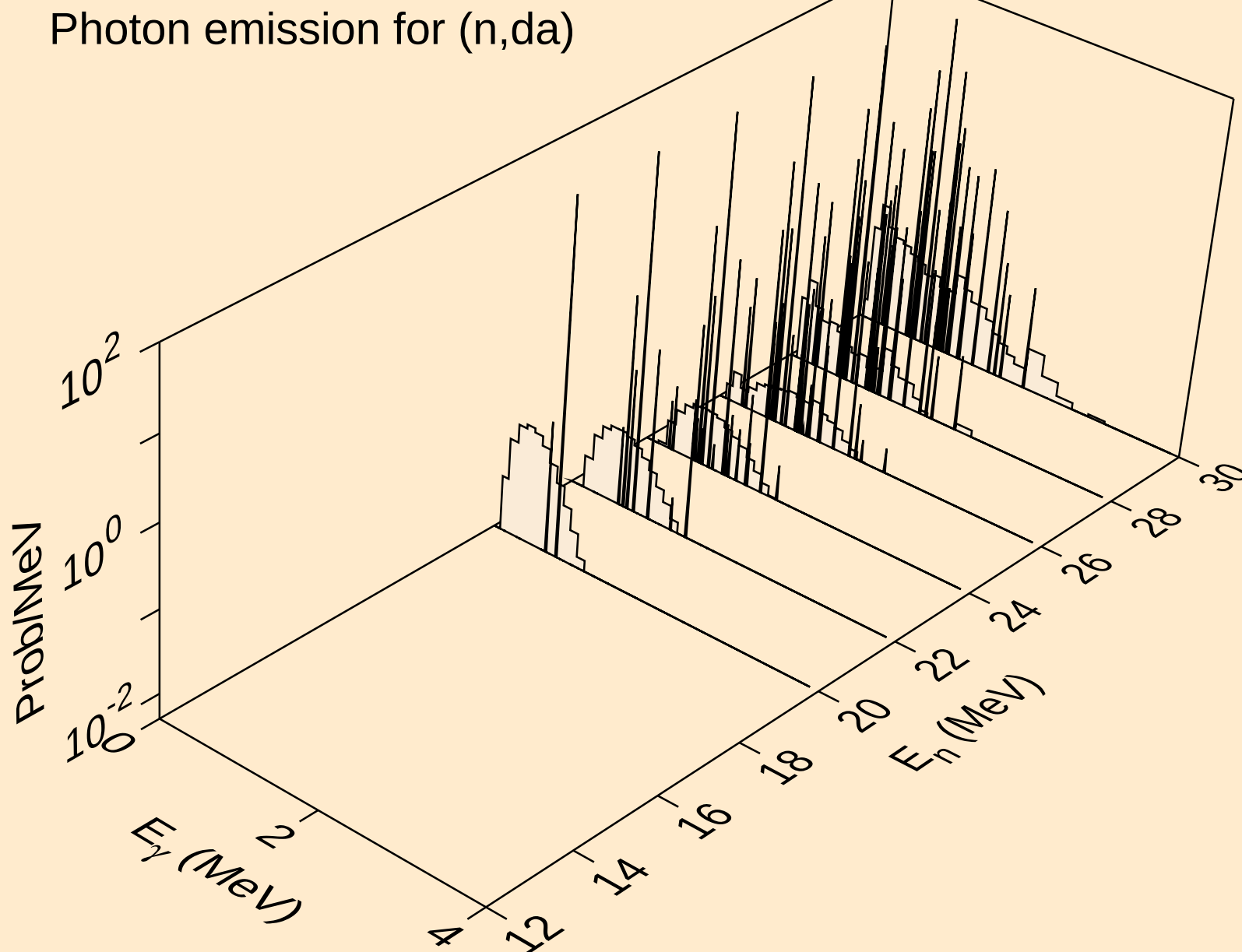


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

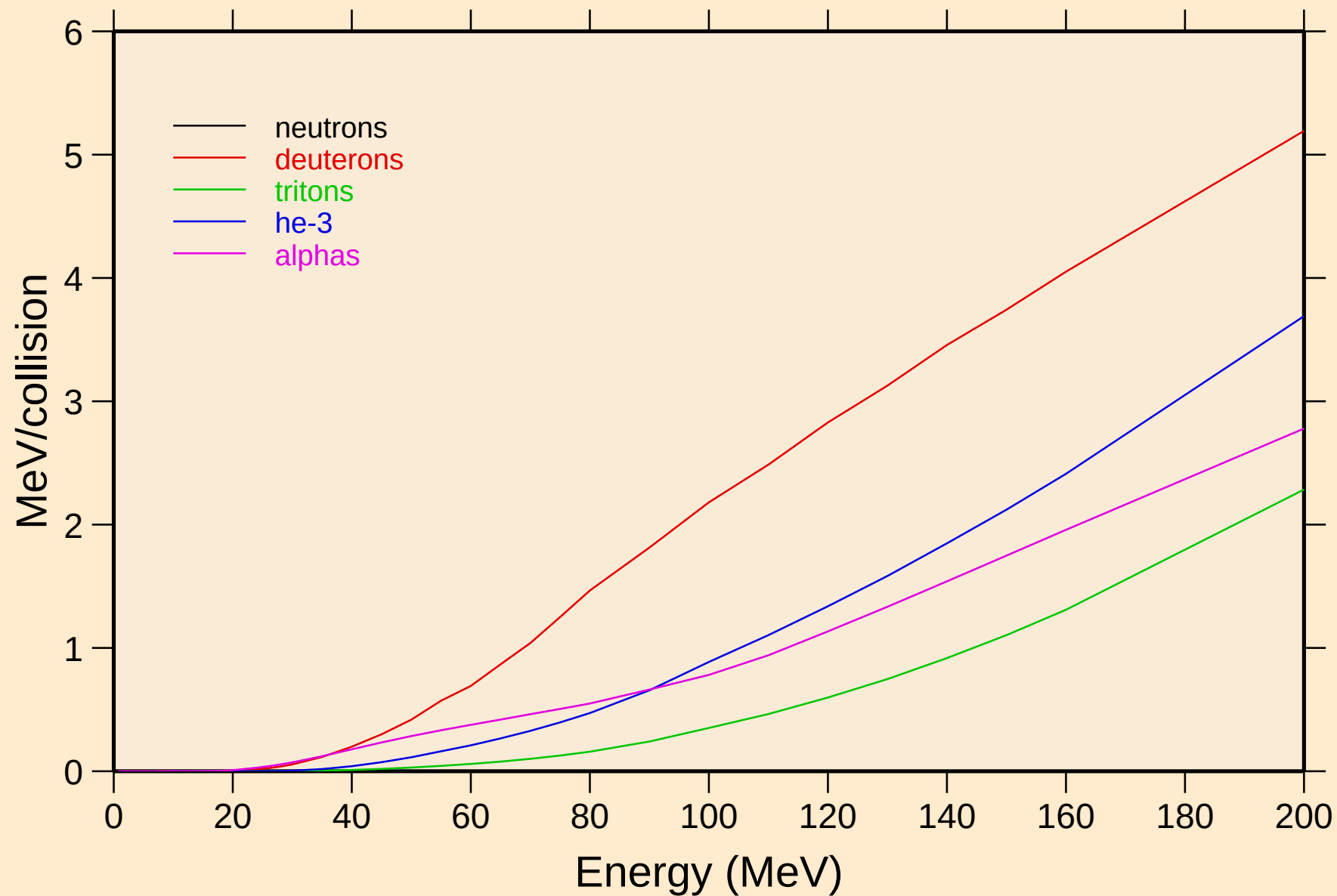


ZR089 PROTON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,da)



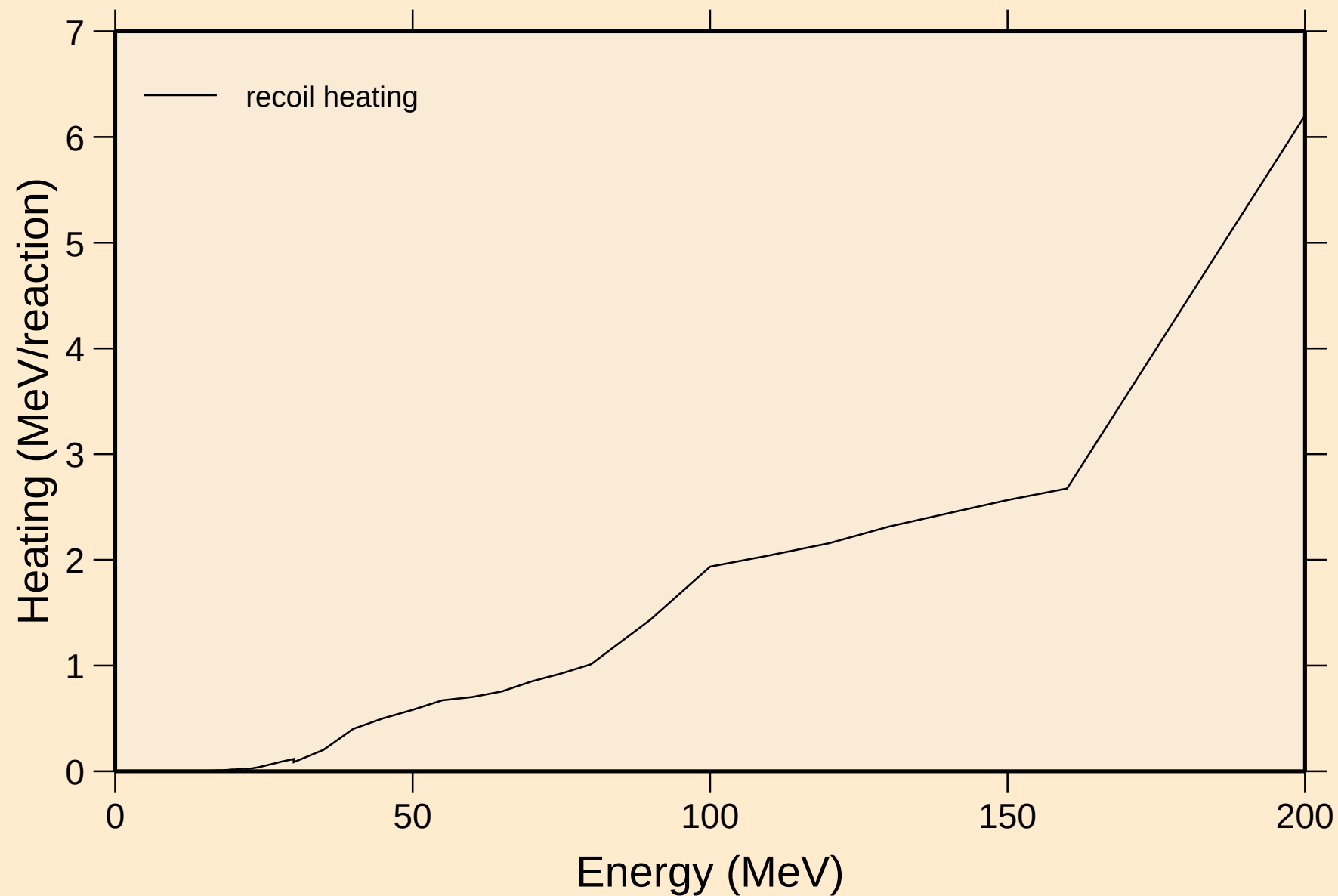
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



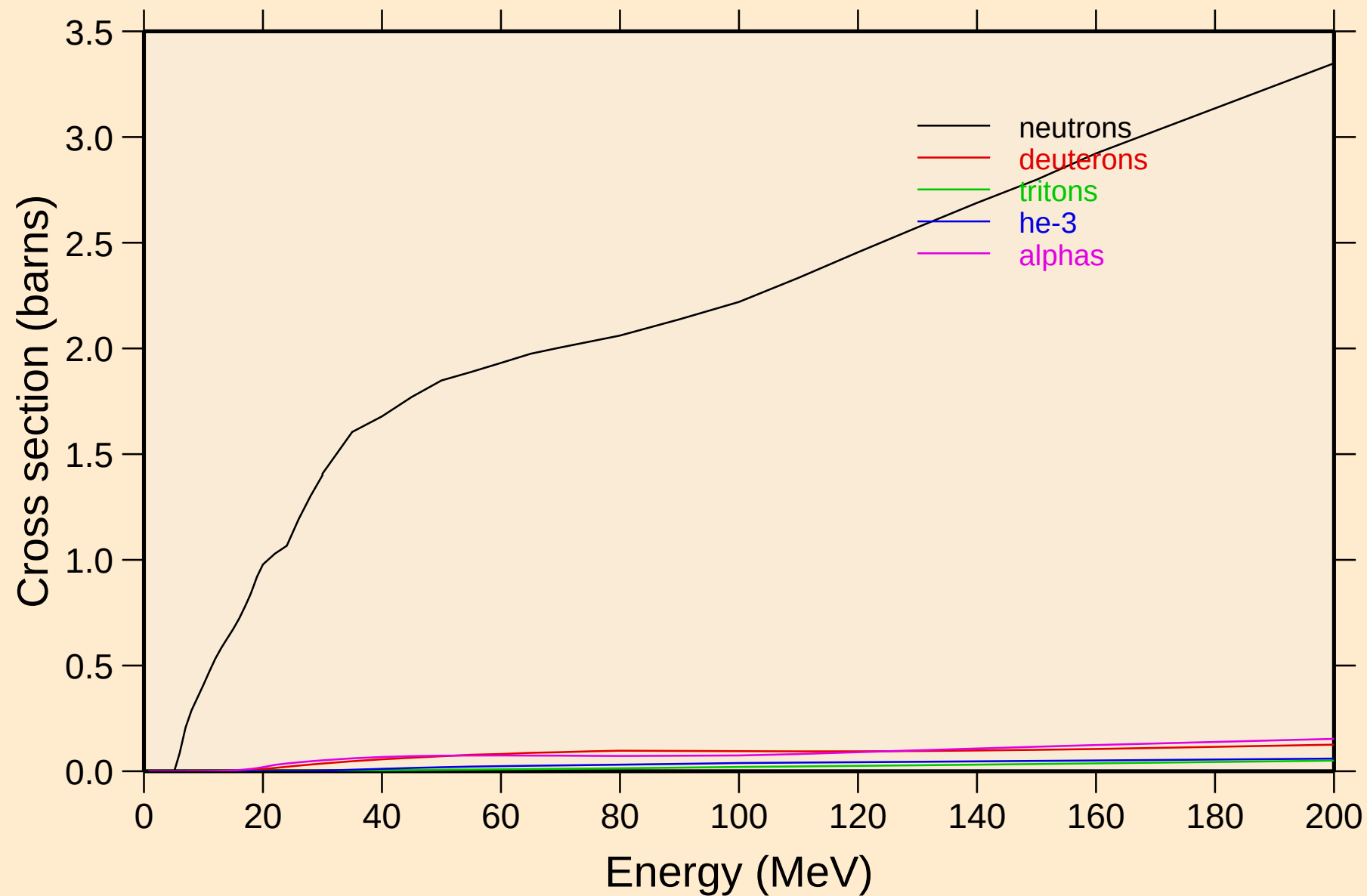
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

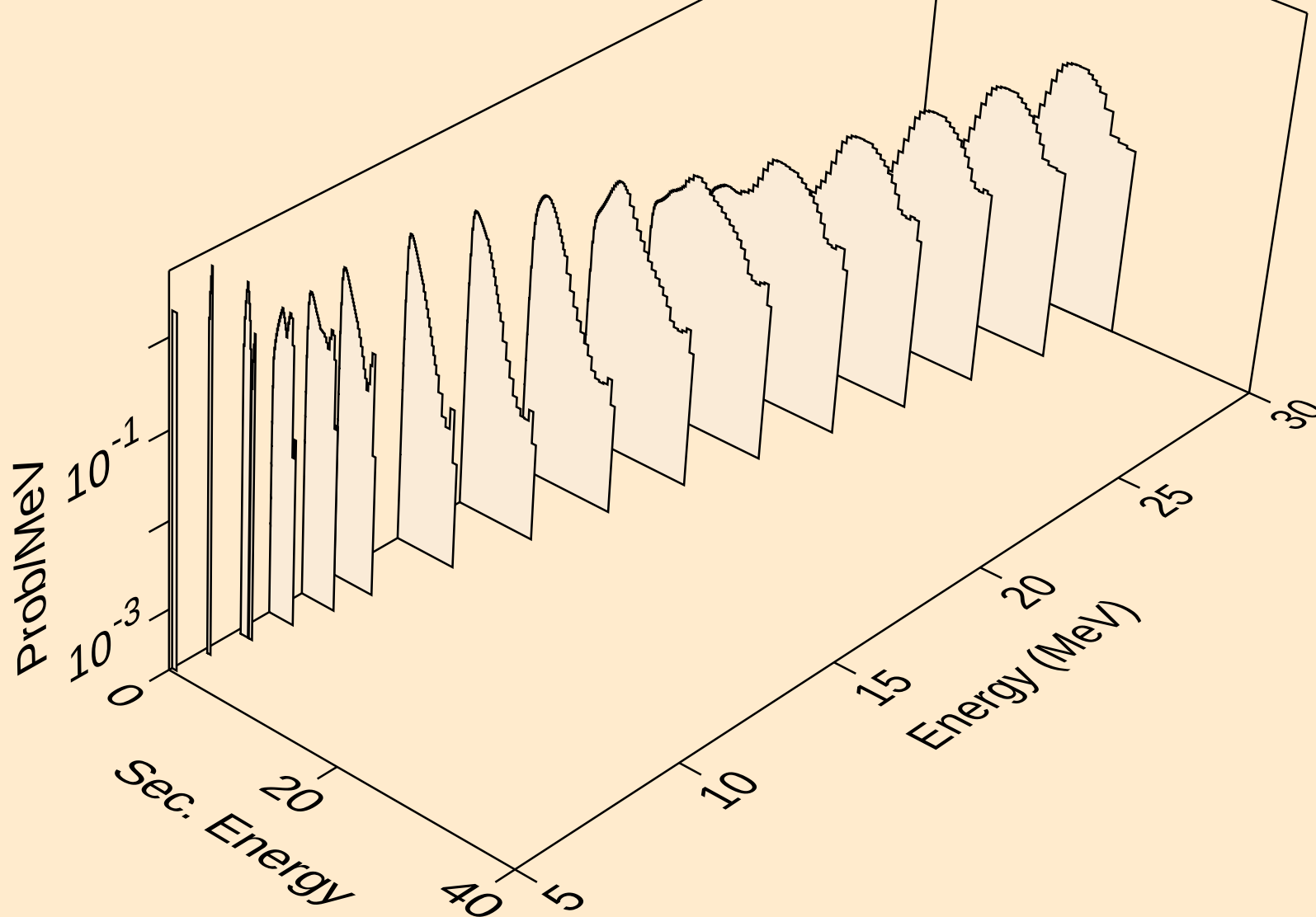


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

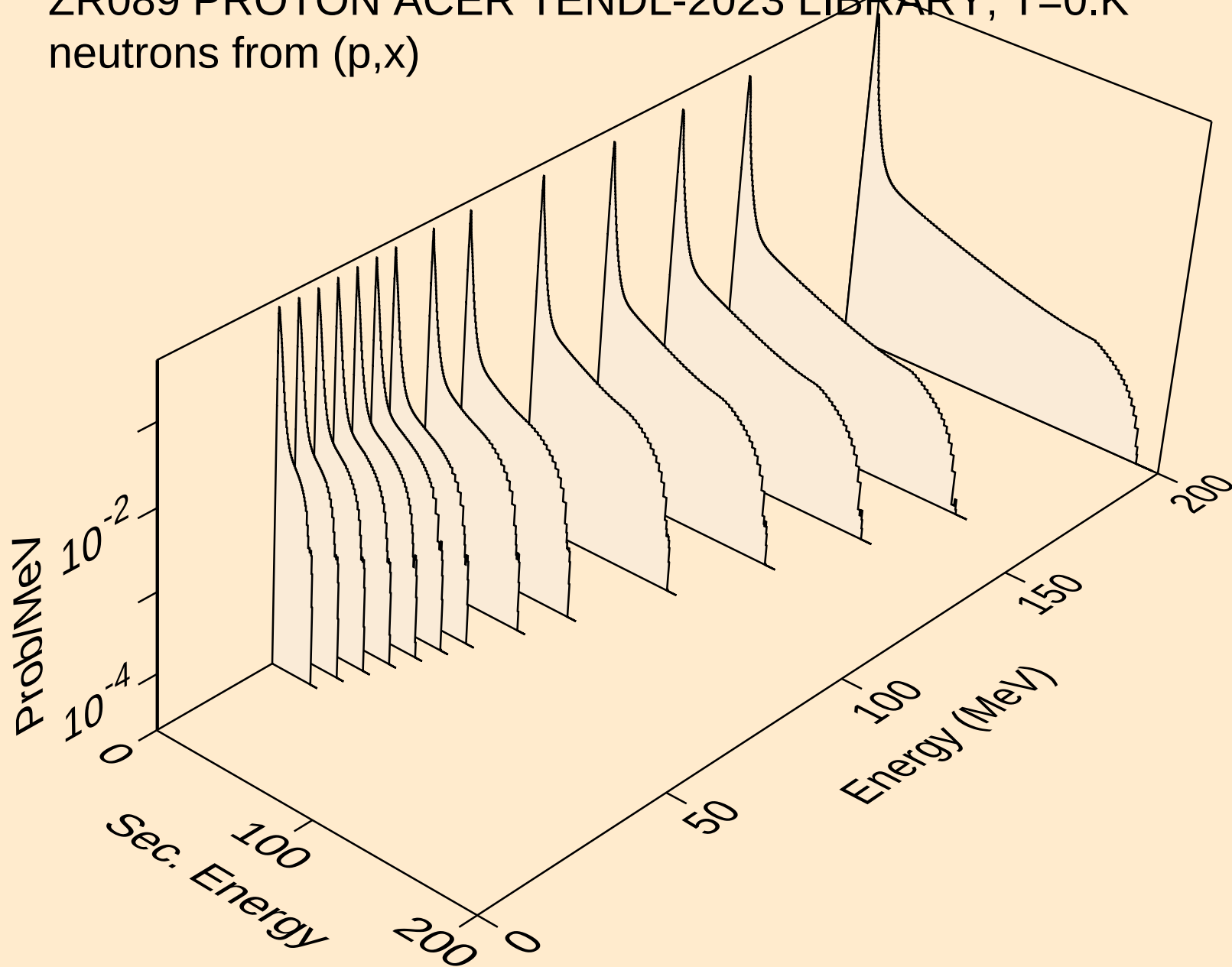
Particle production cross sections



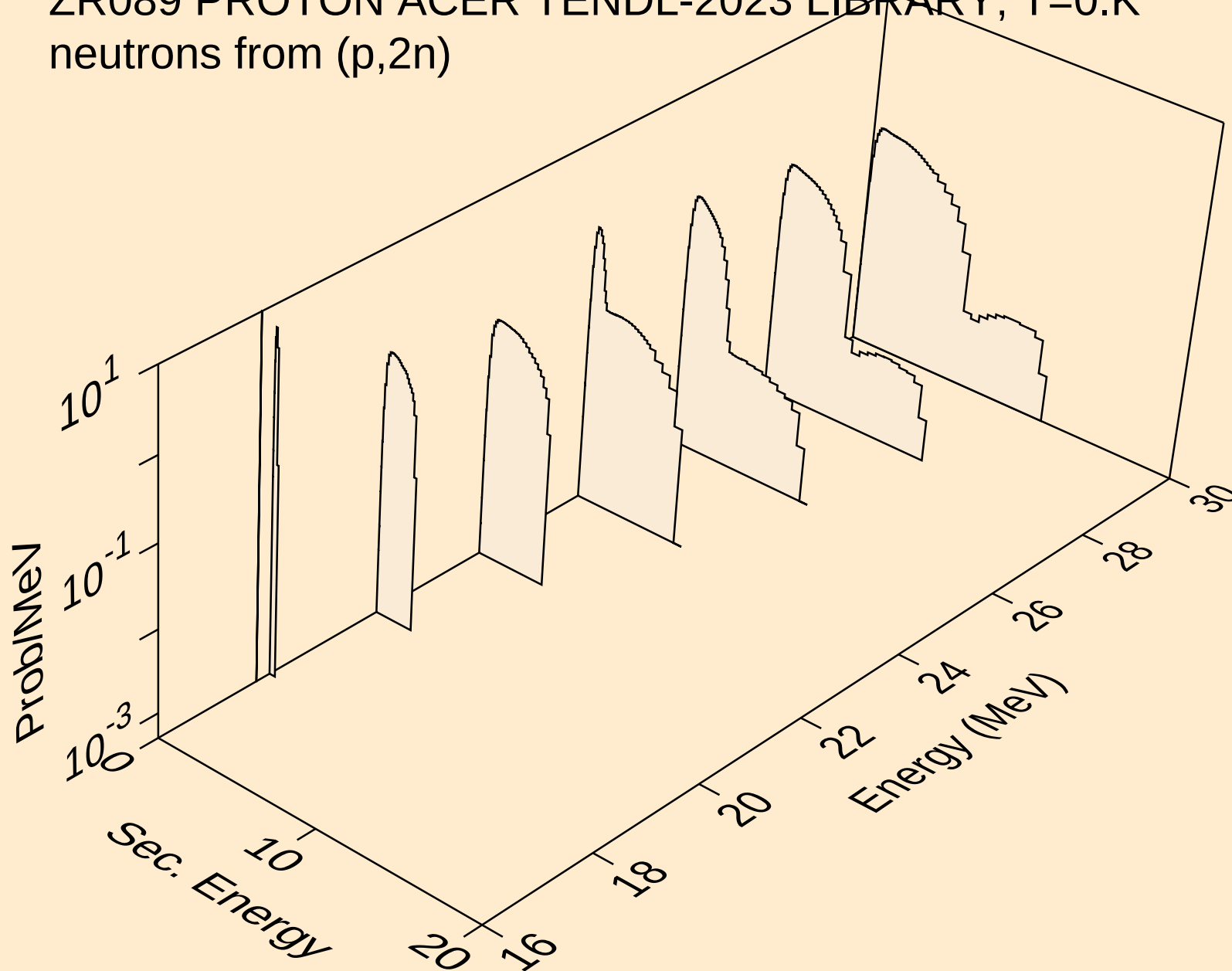
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n)



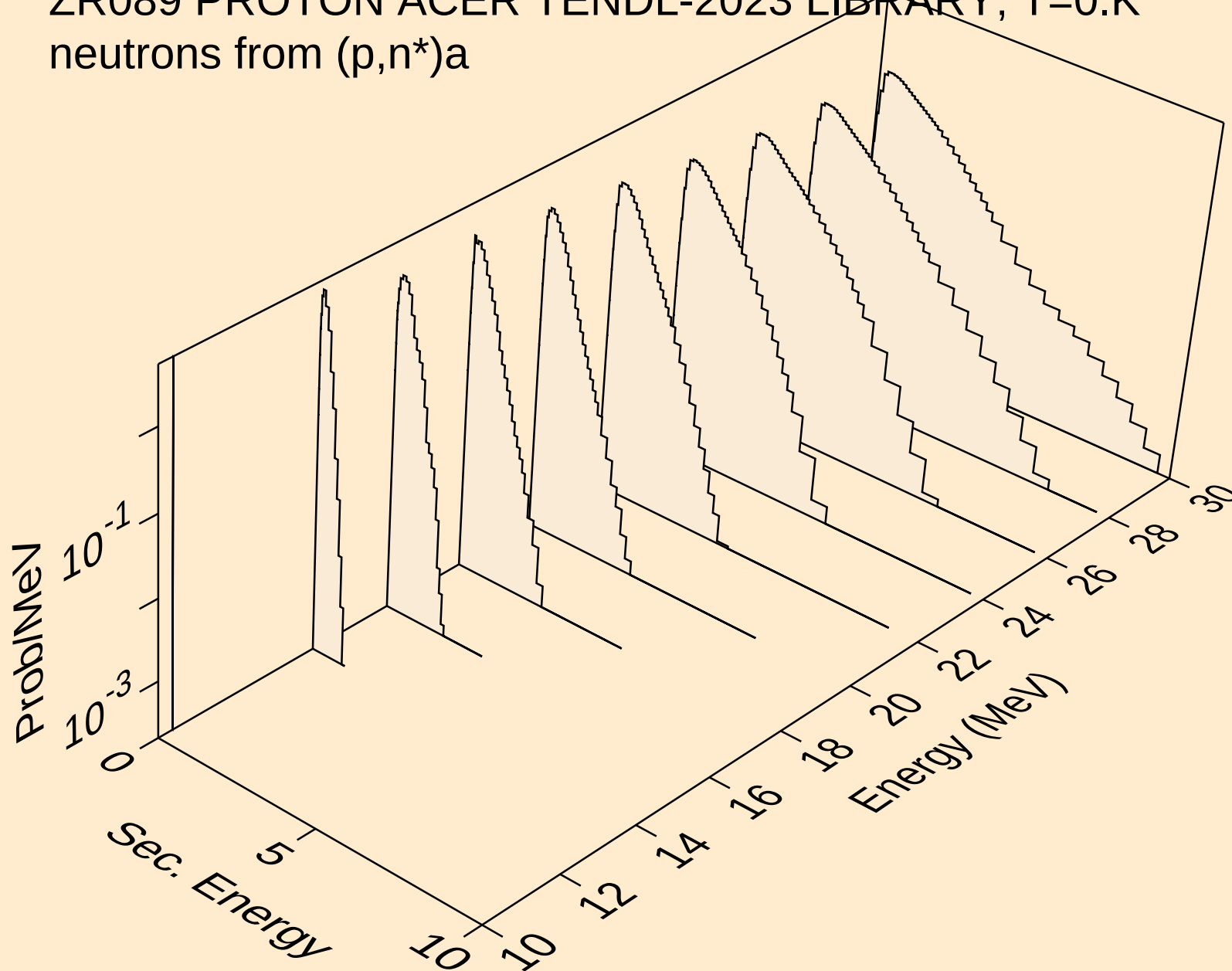
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,x)



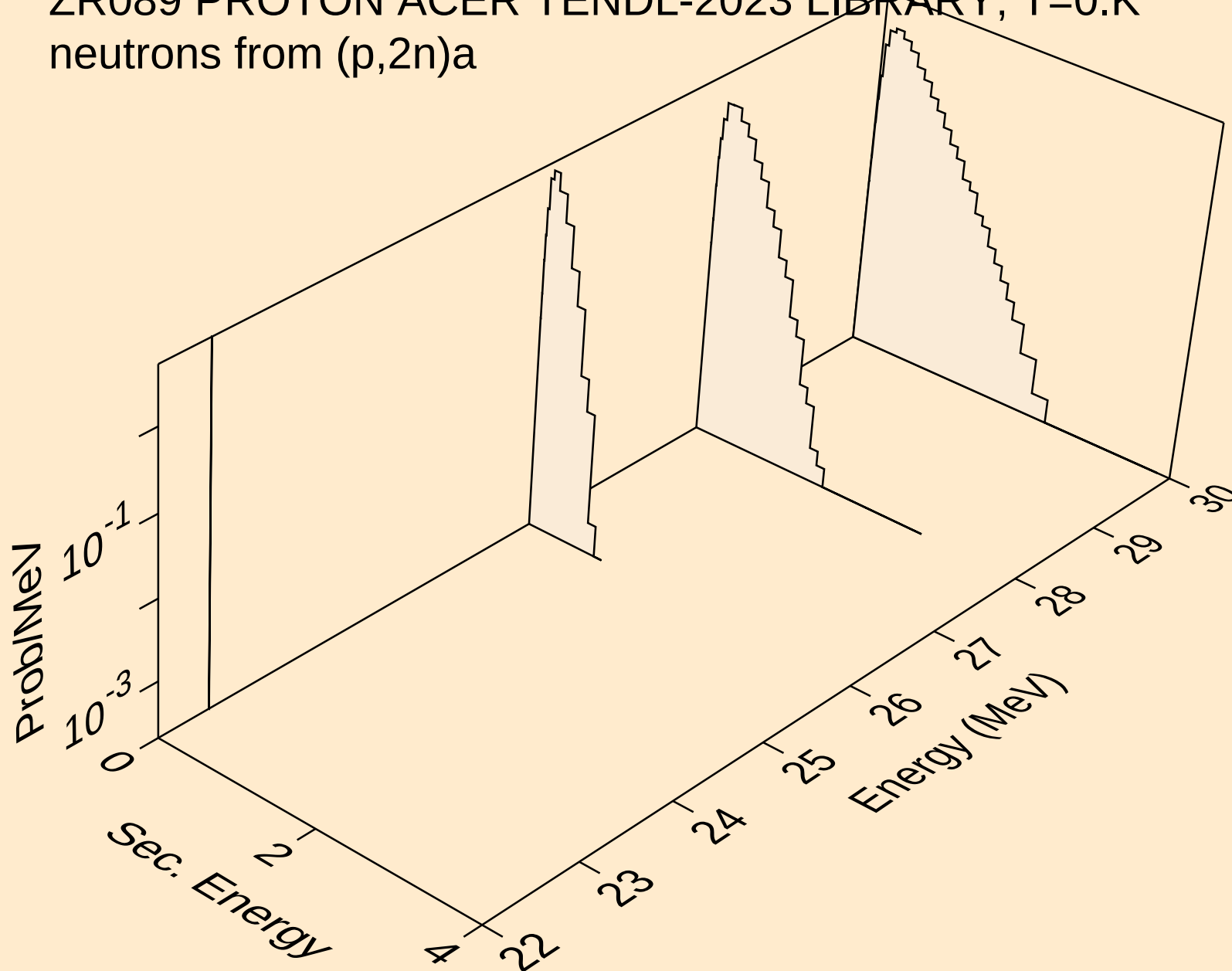
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)



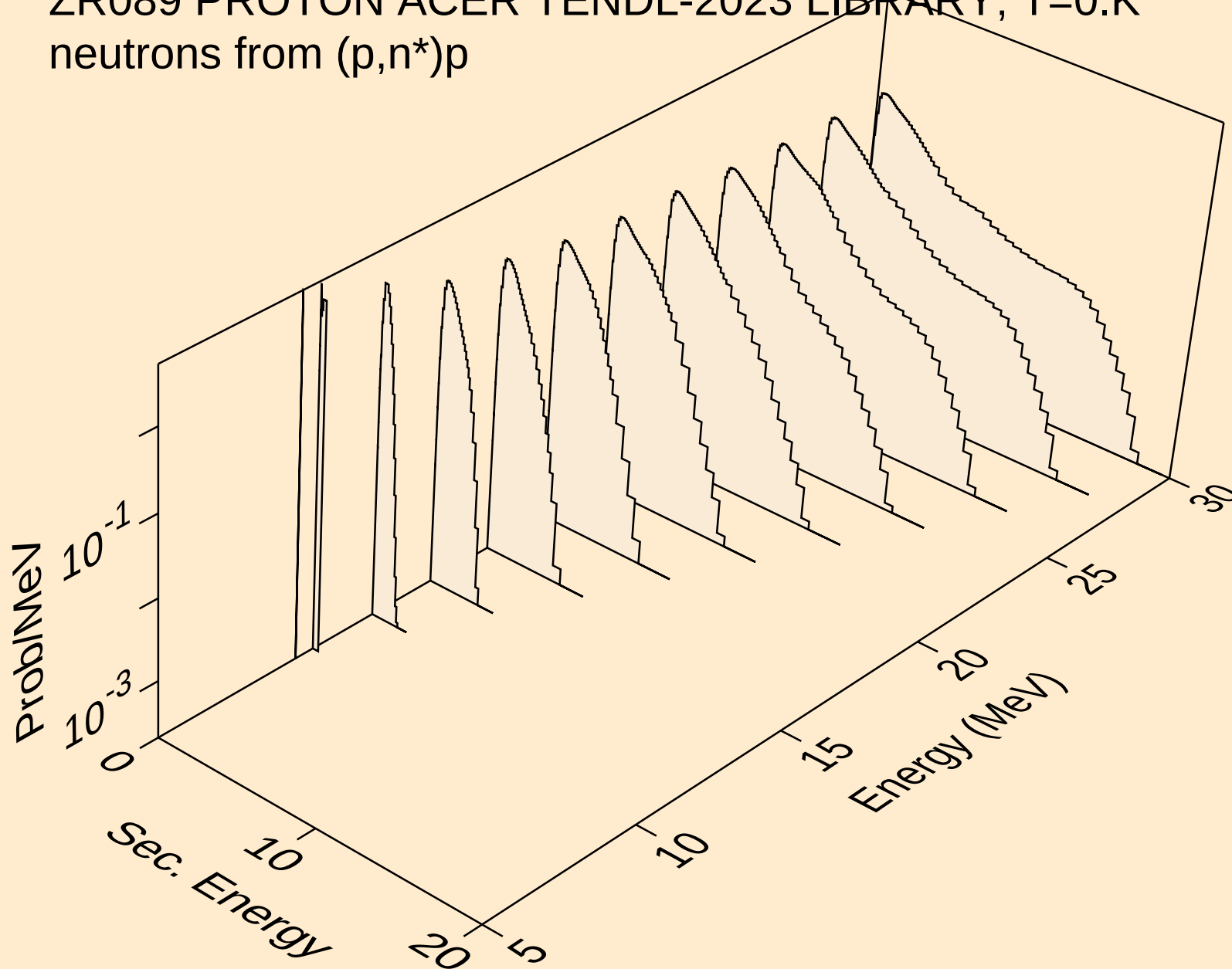
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)a



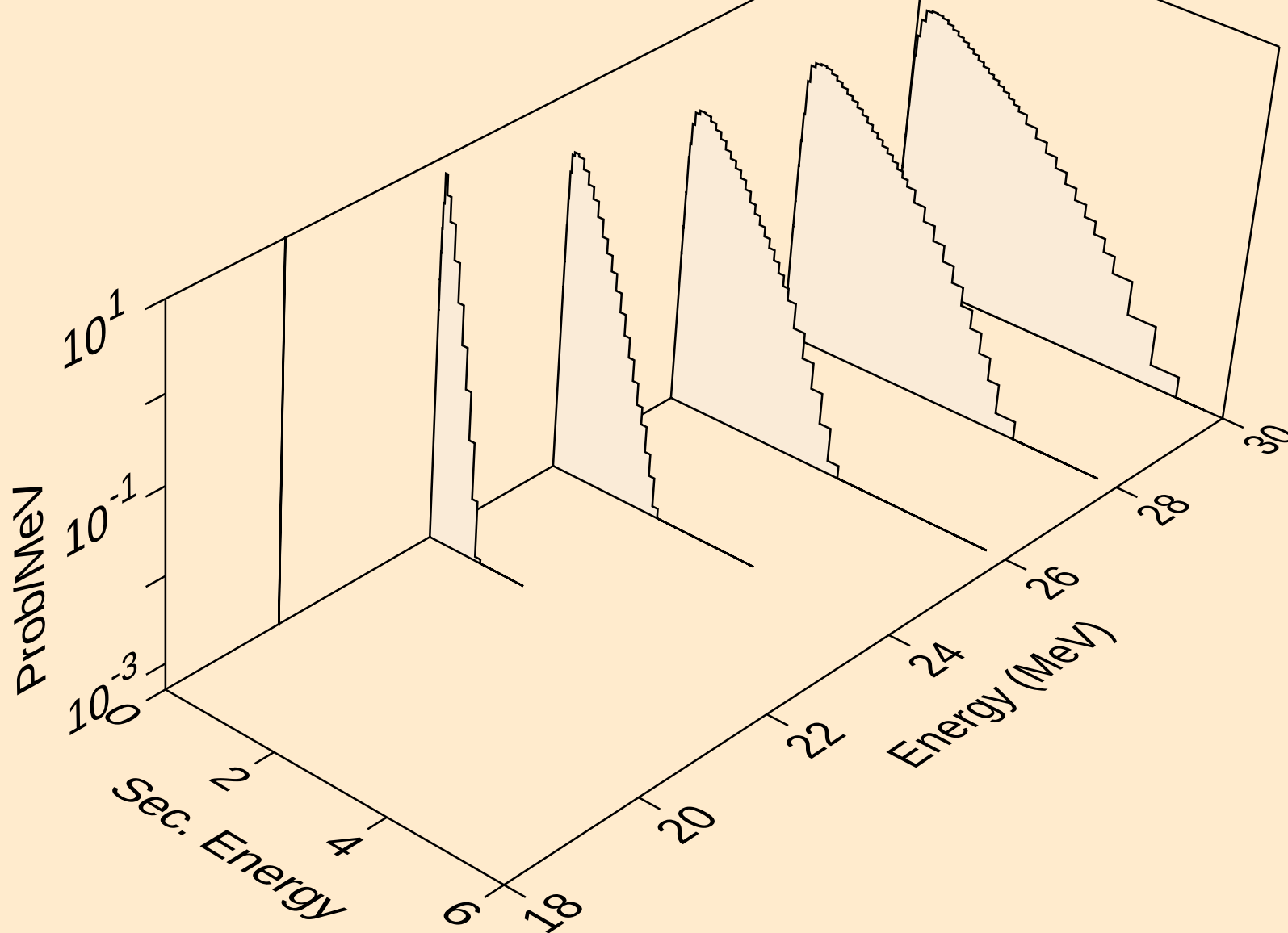
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2n)a



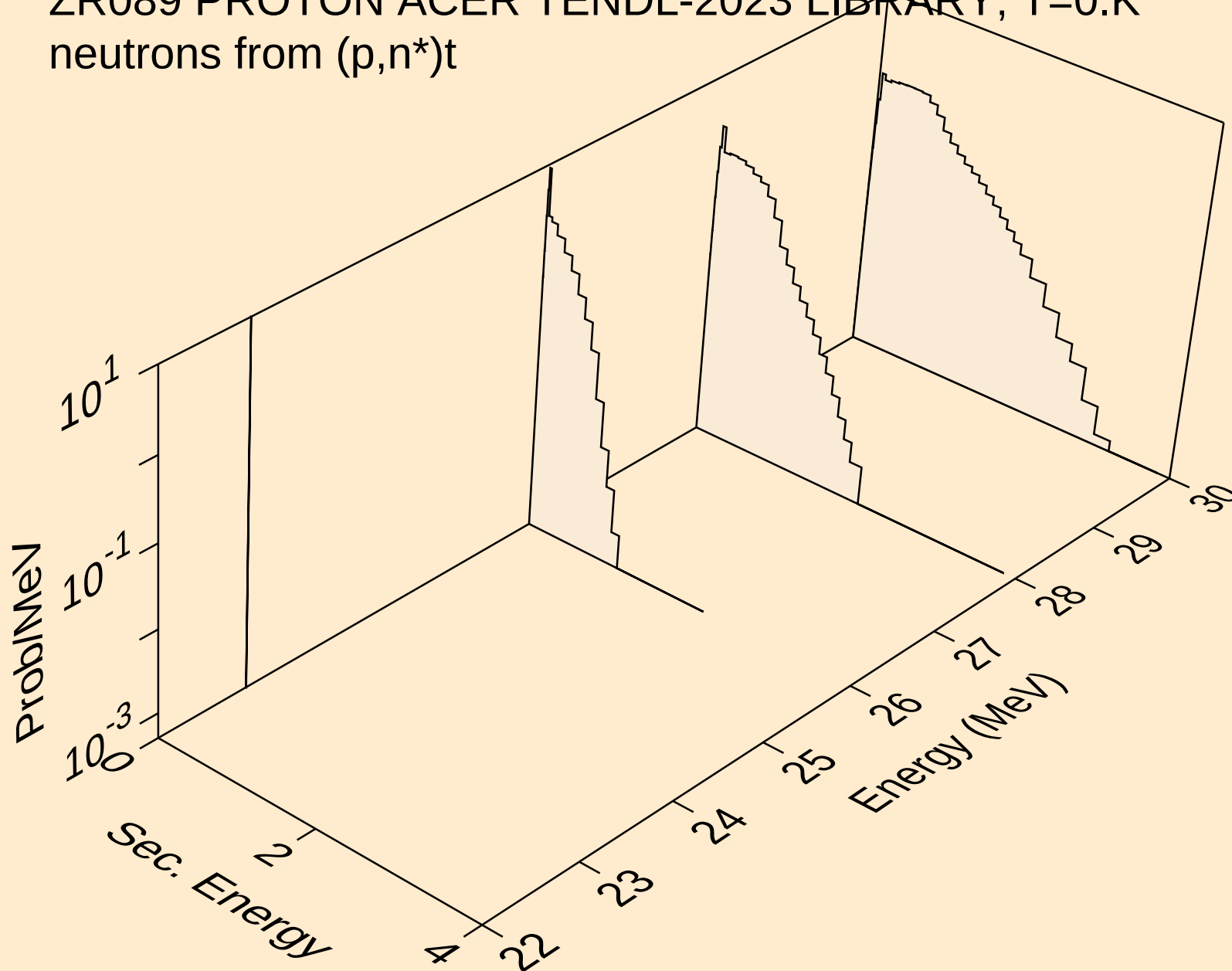
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)p



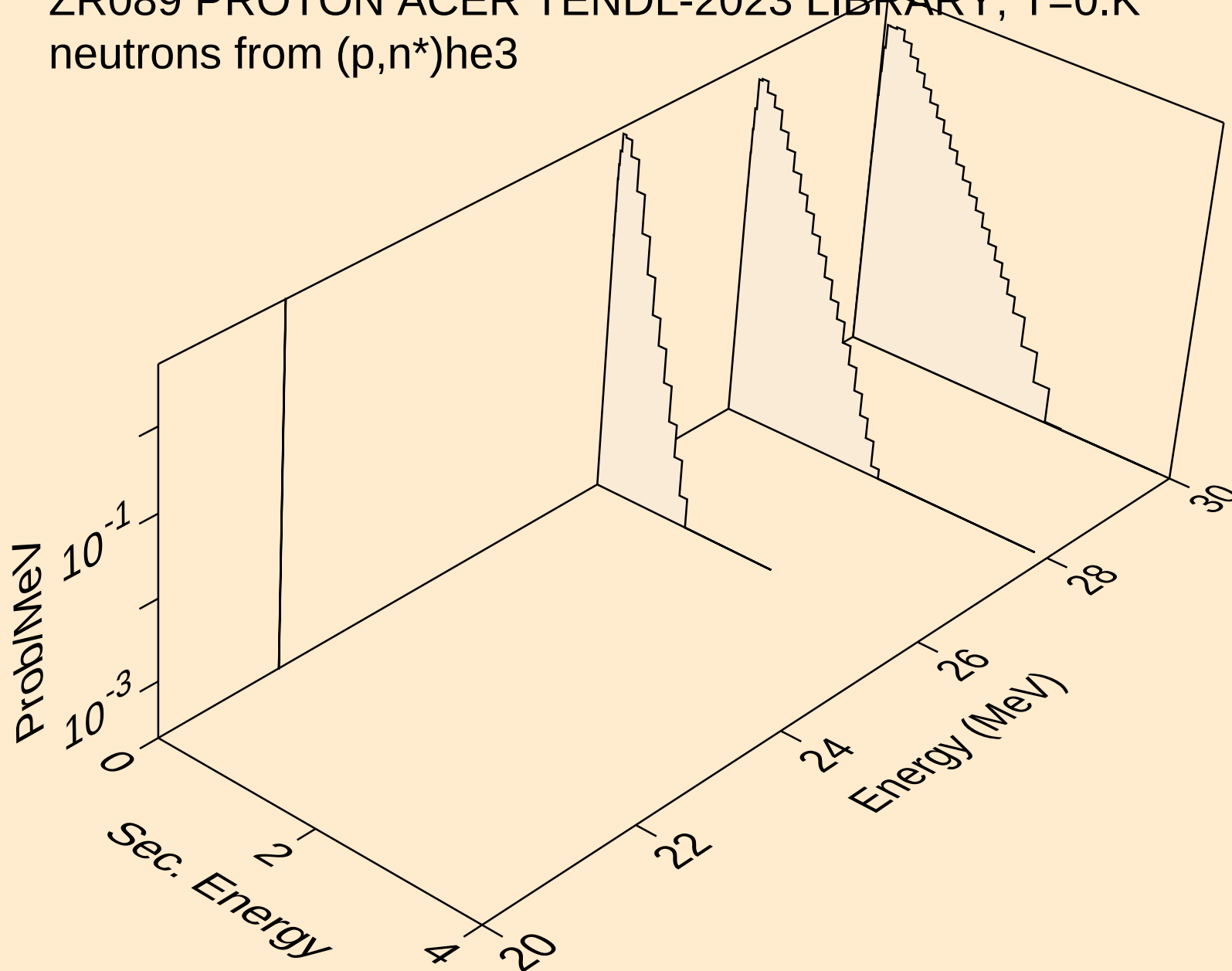
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)d



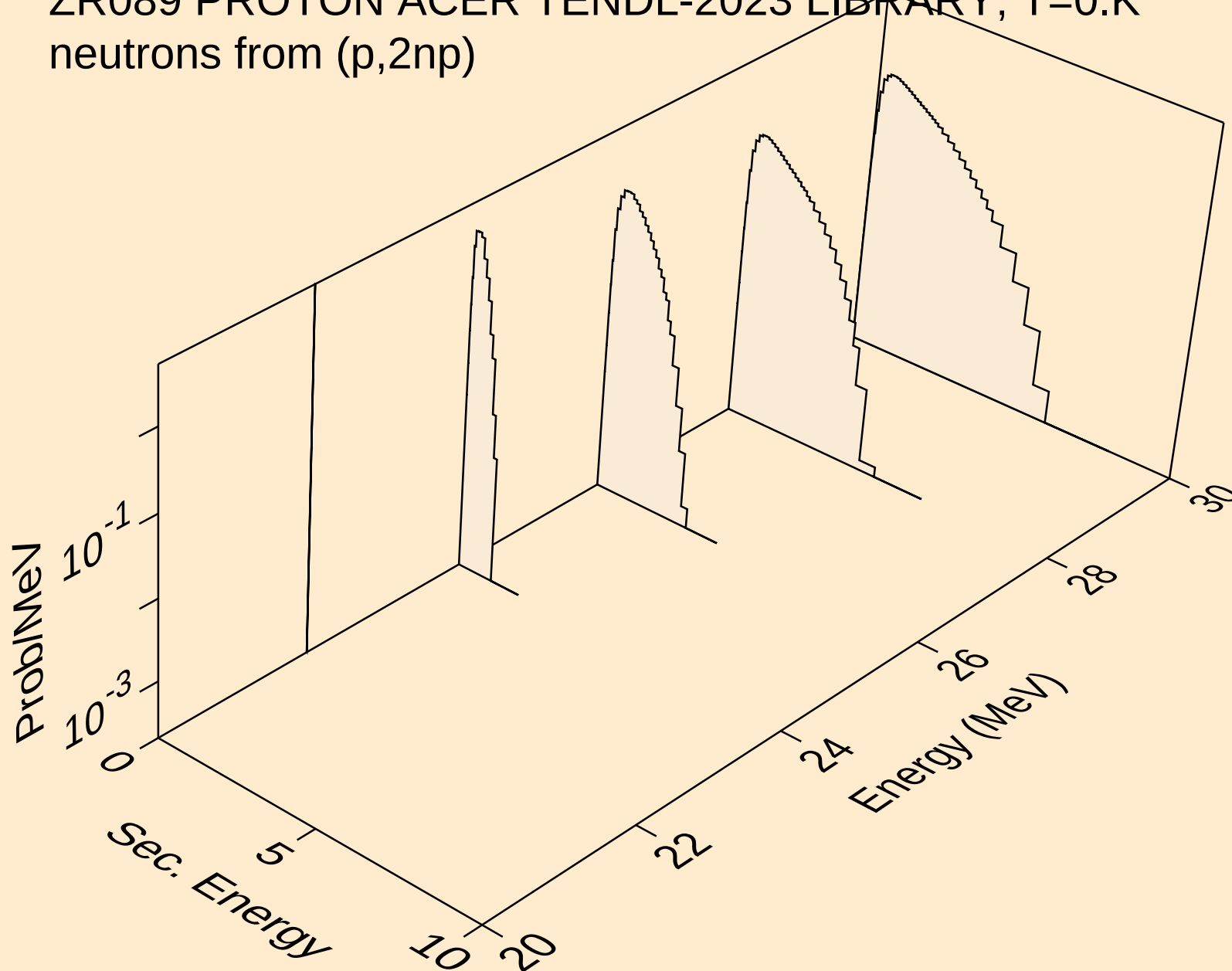
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)t



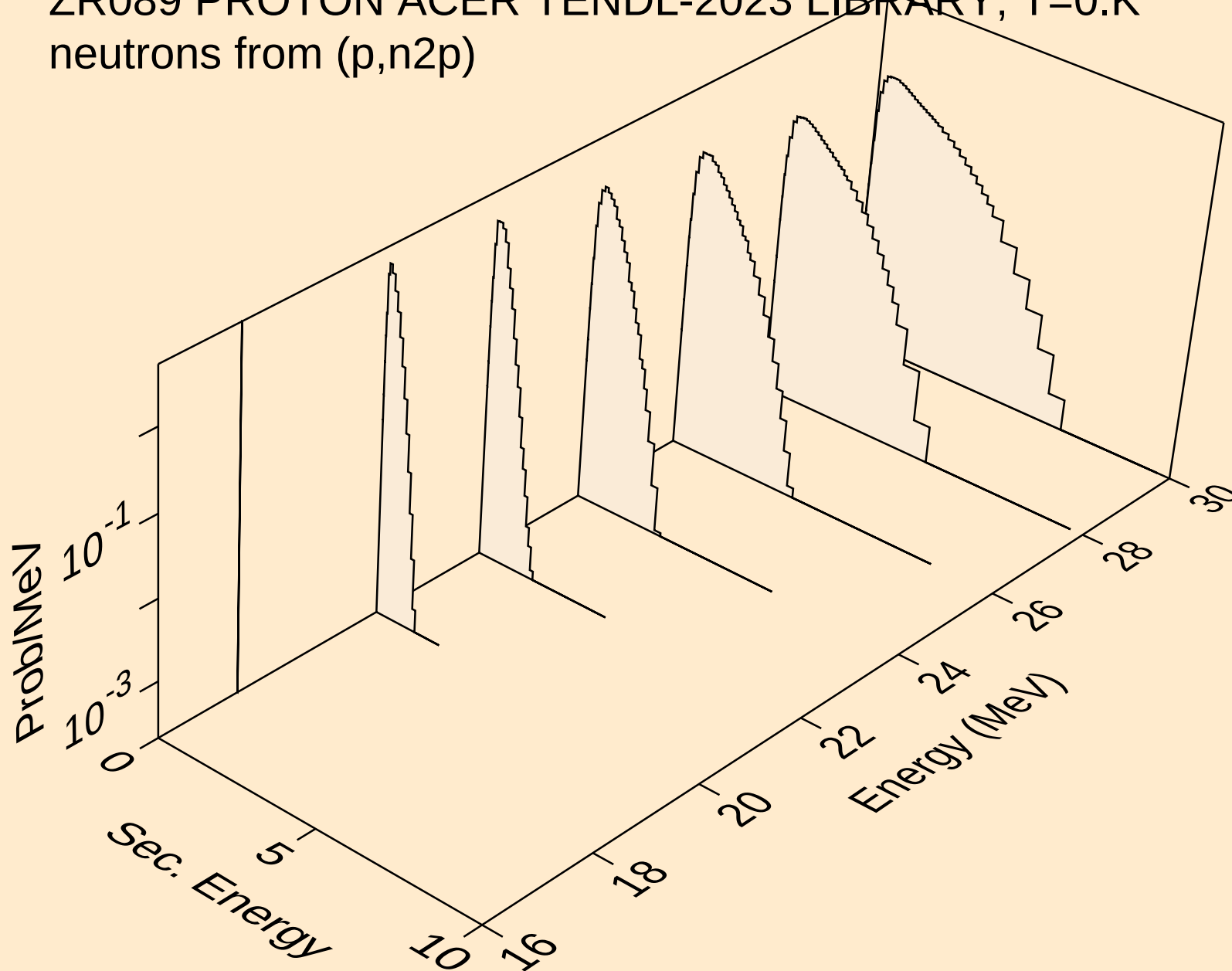
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n*)he3



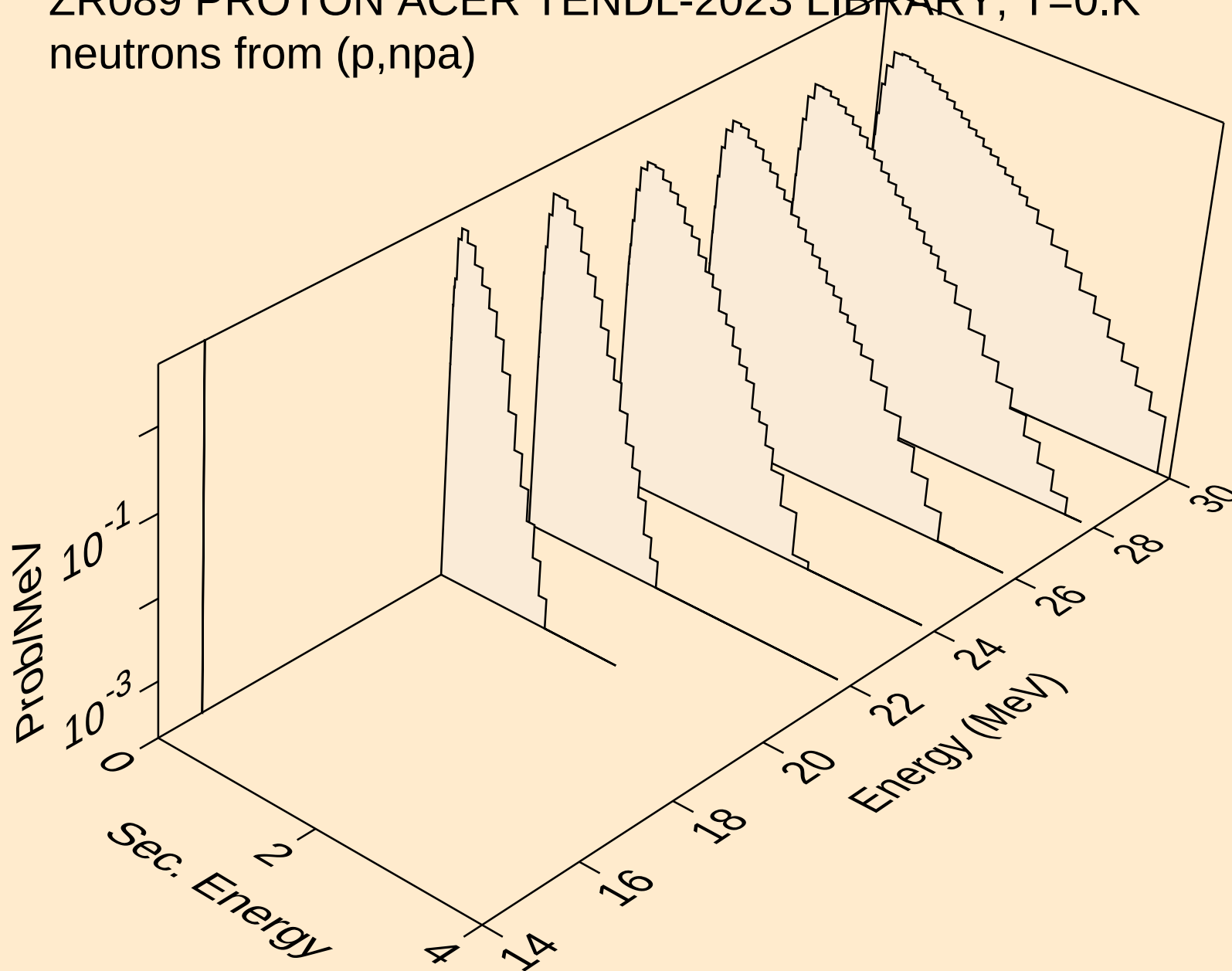
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,2np)



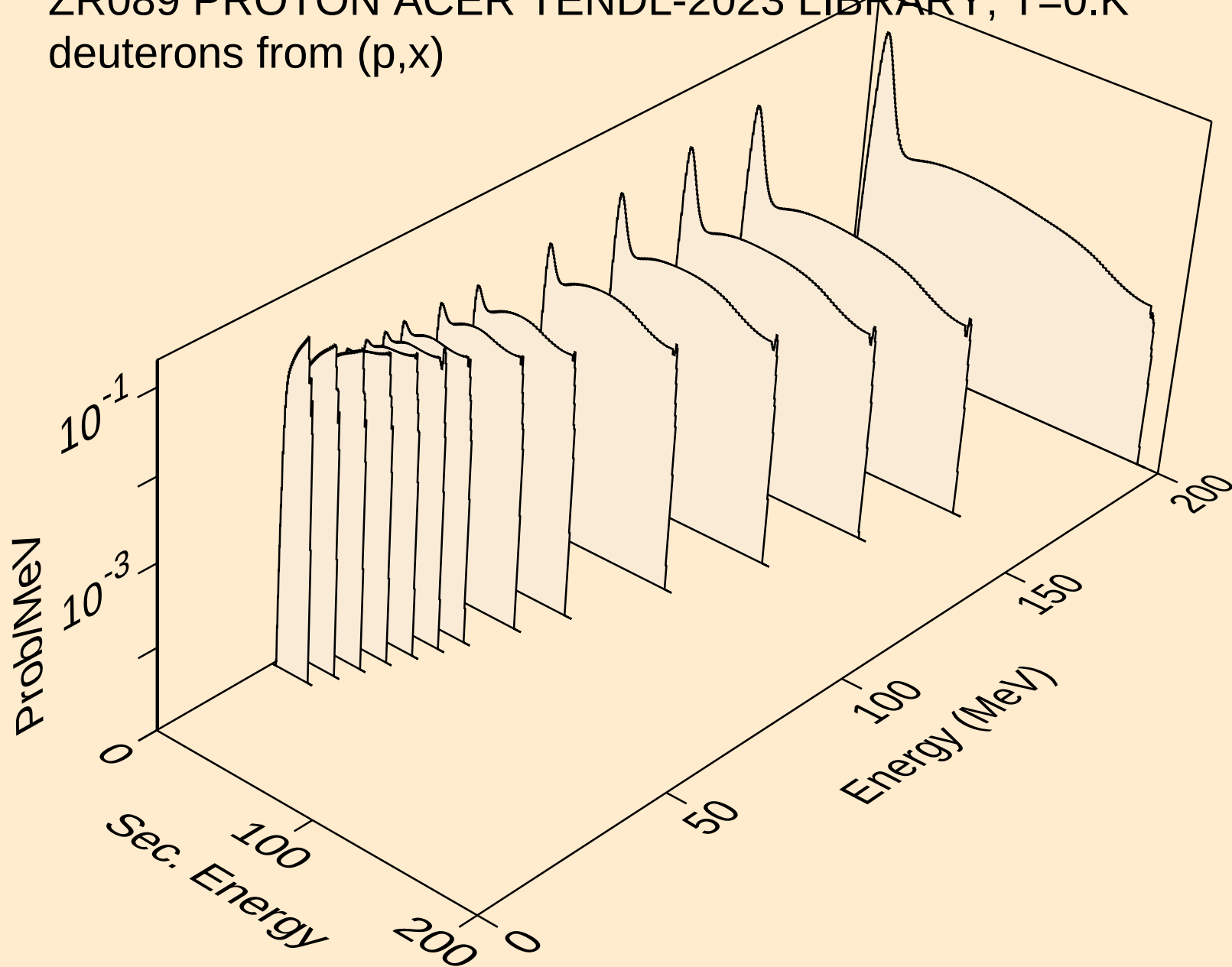
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,n2p)



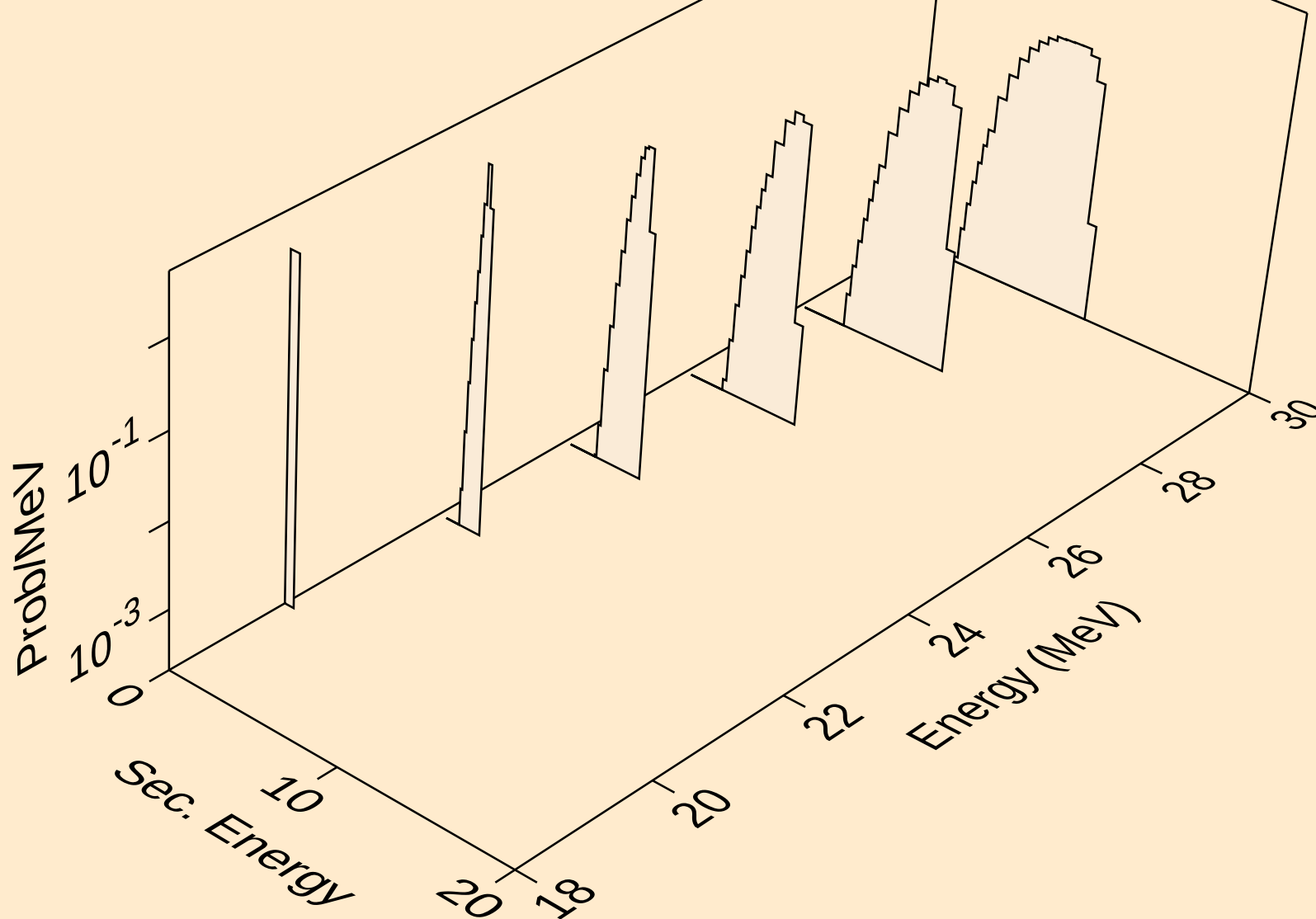
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (p,npa)



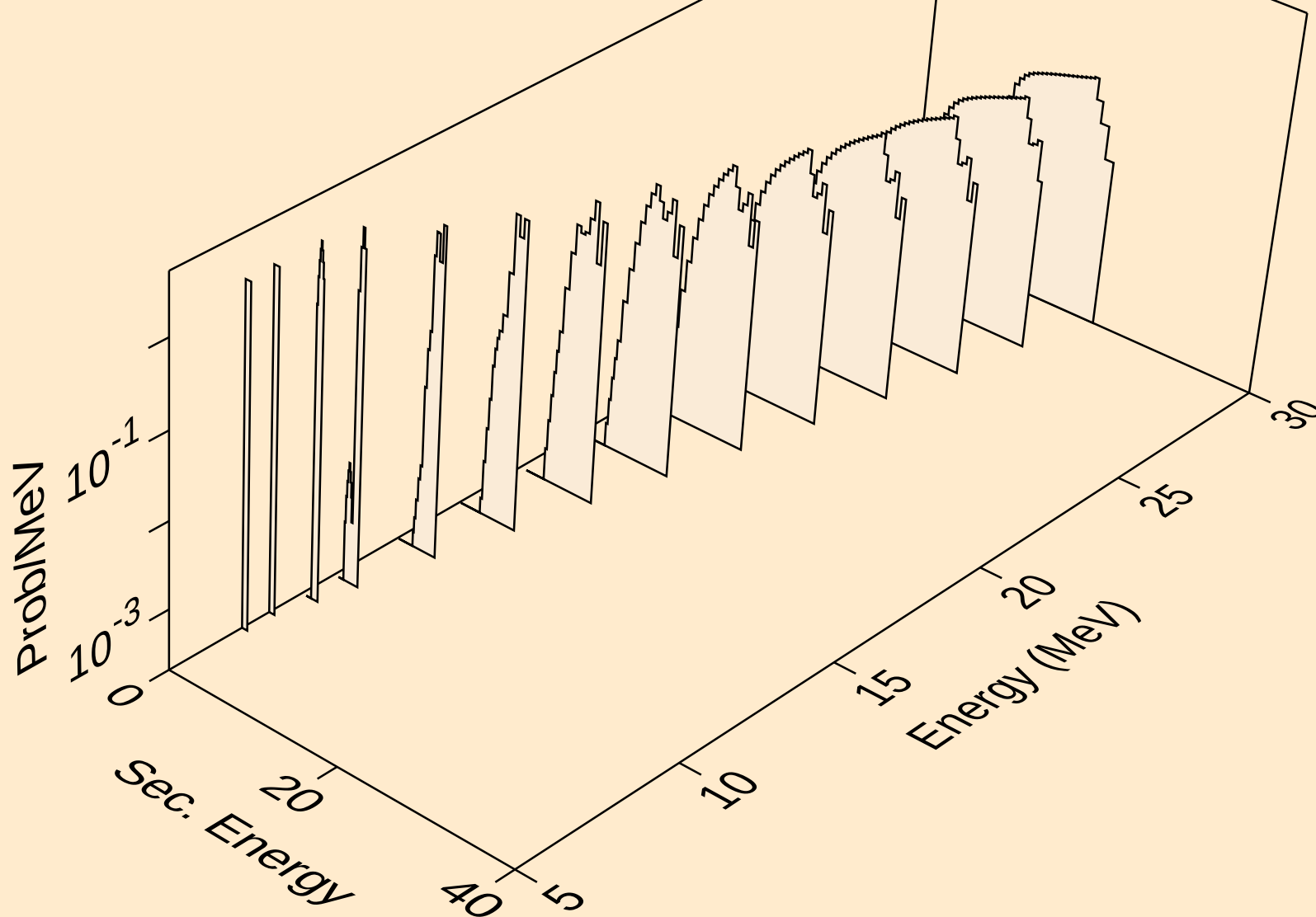
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,x)



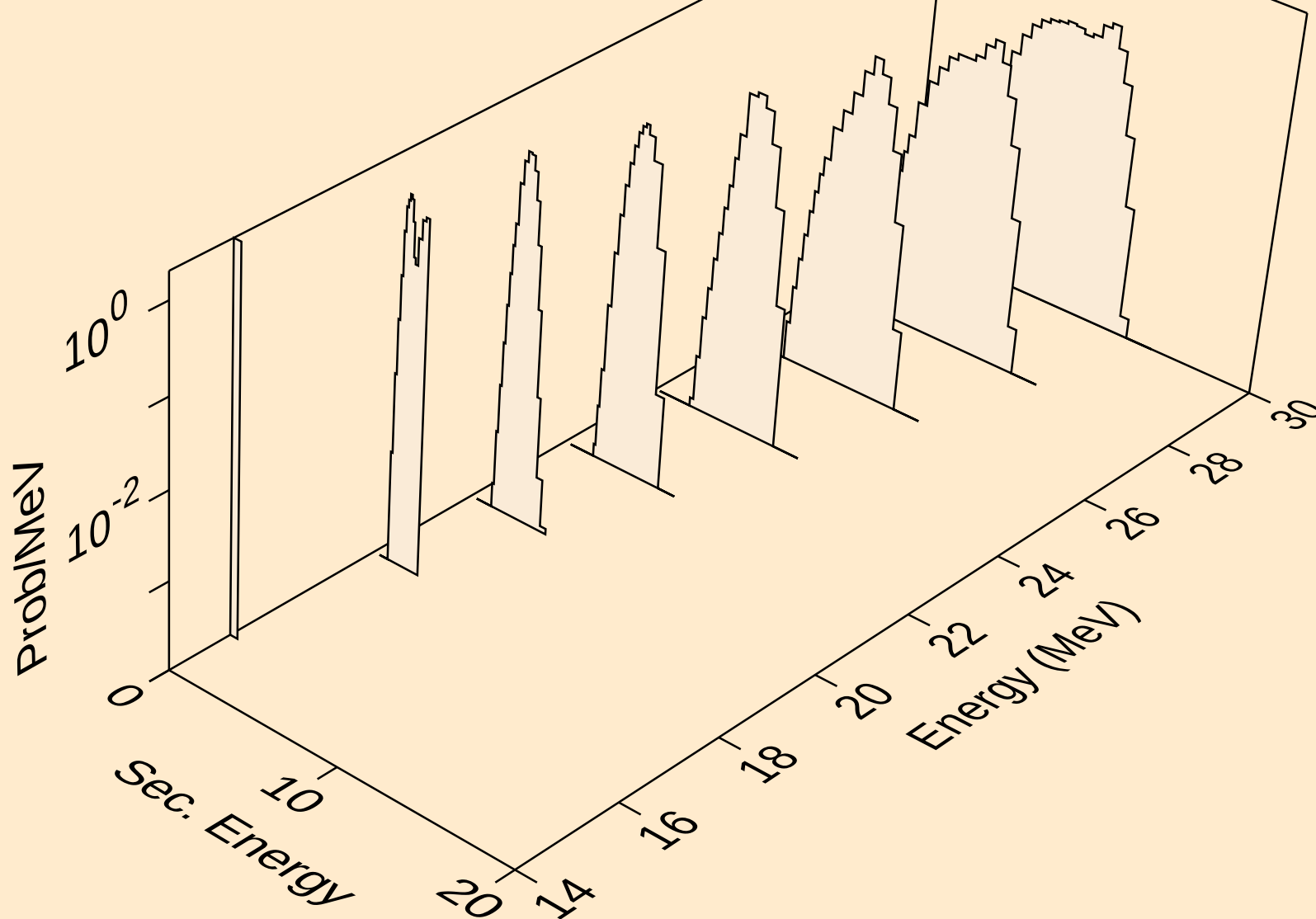
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,n*)d



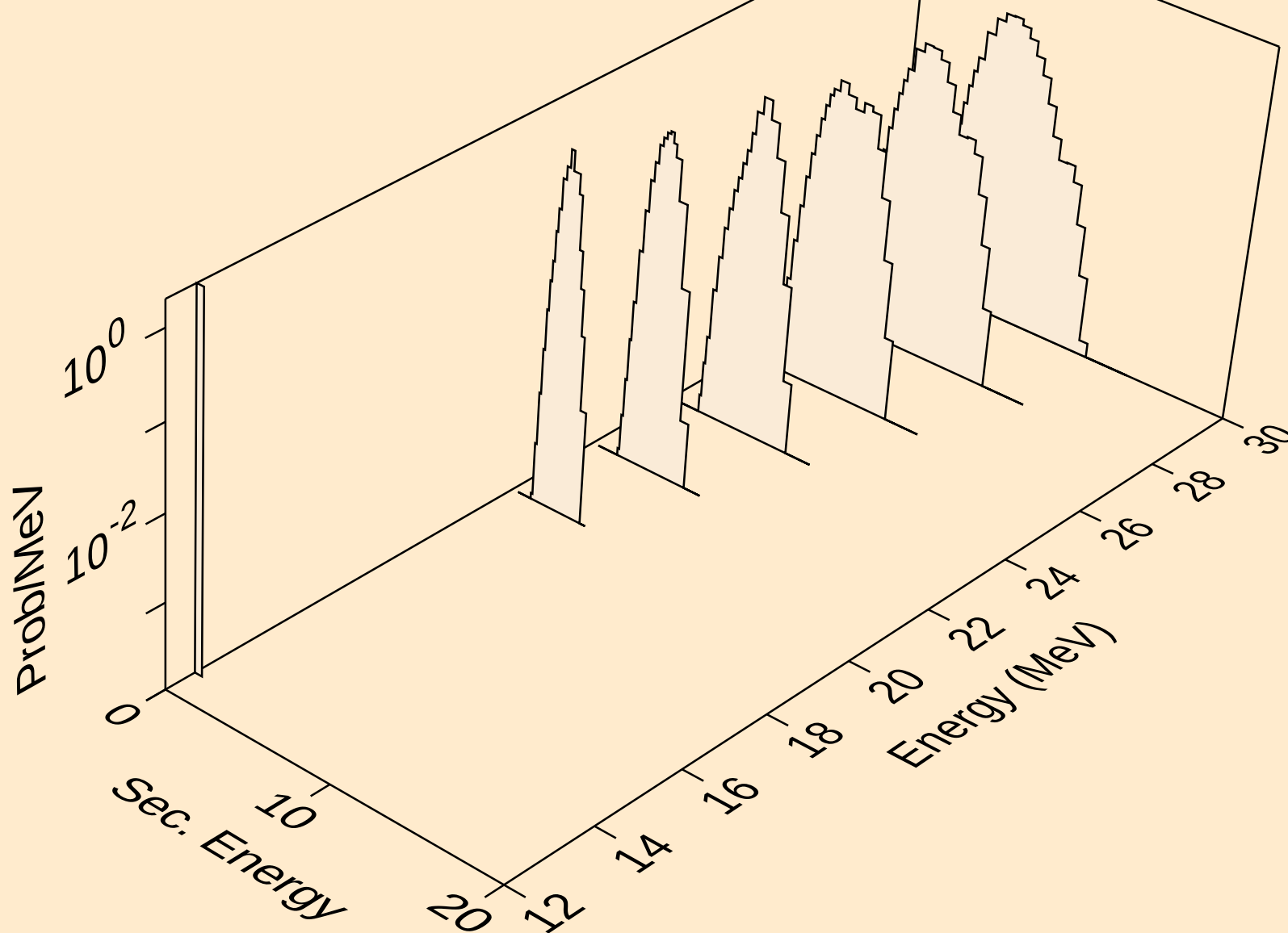
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,d)



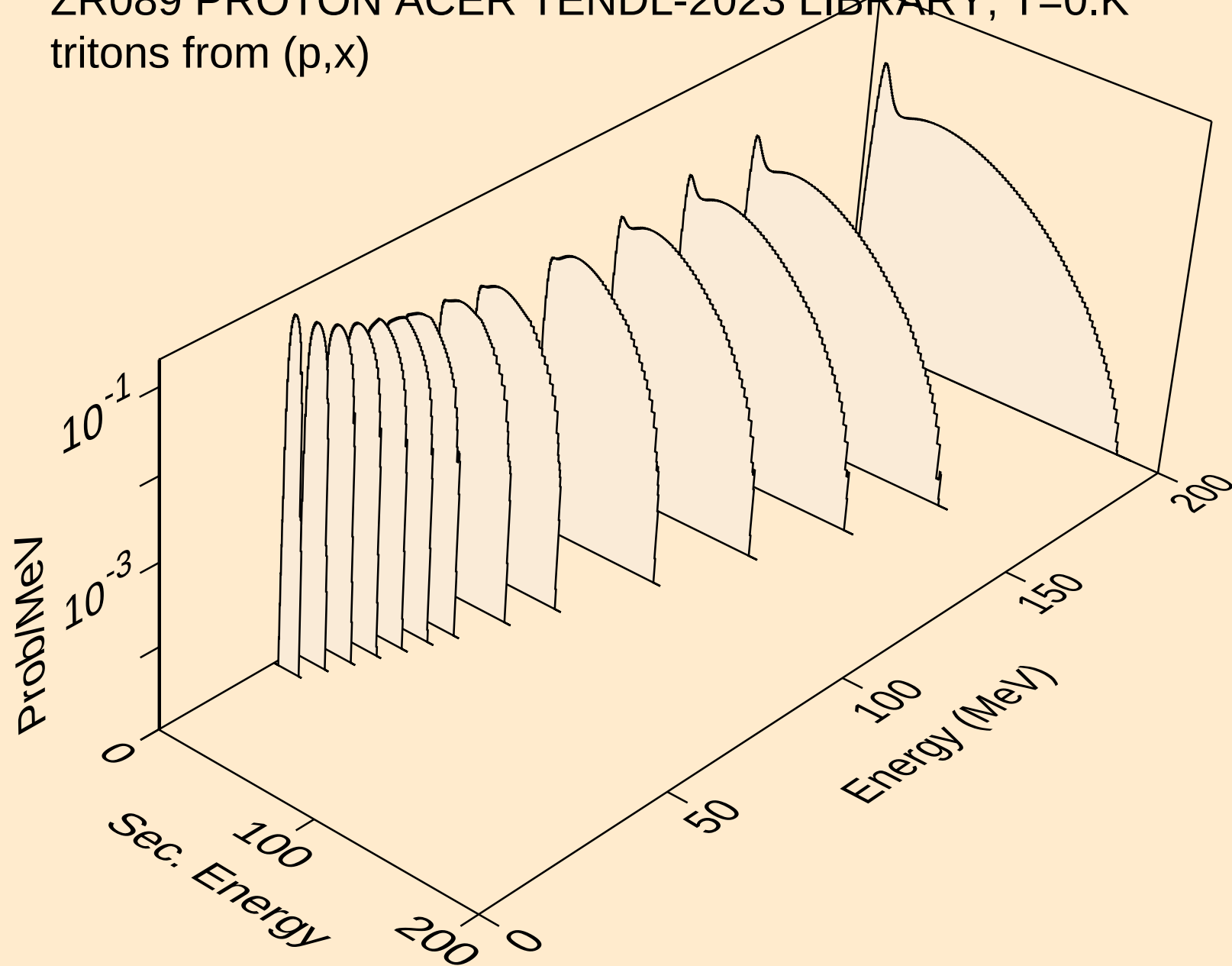
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,pd)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (p,da)

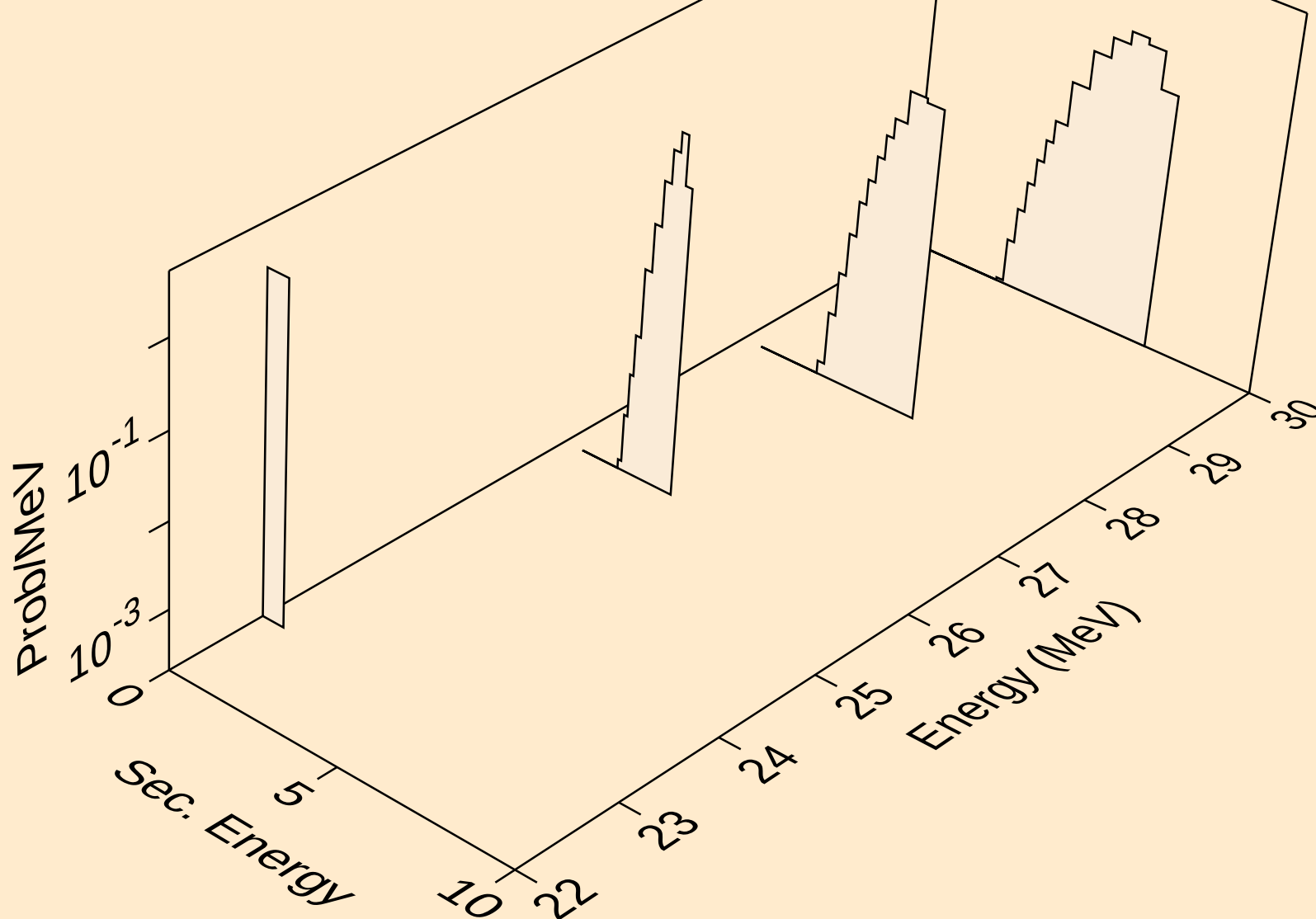


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,x)

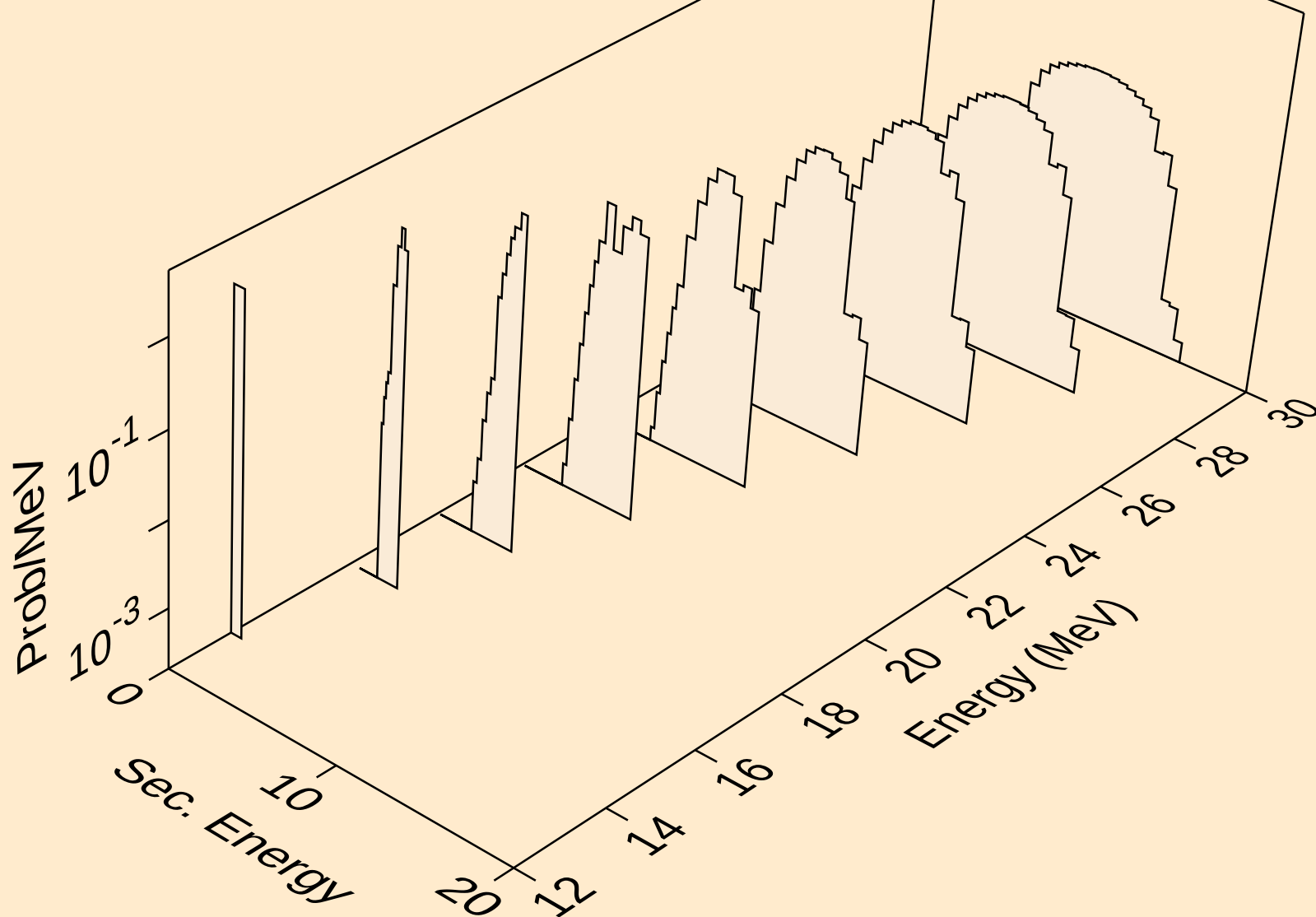


ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K

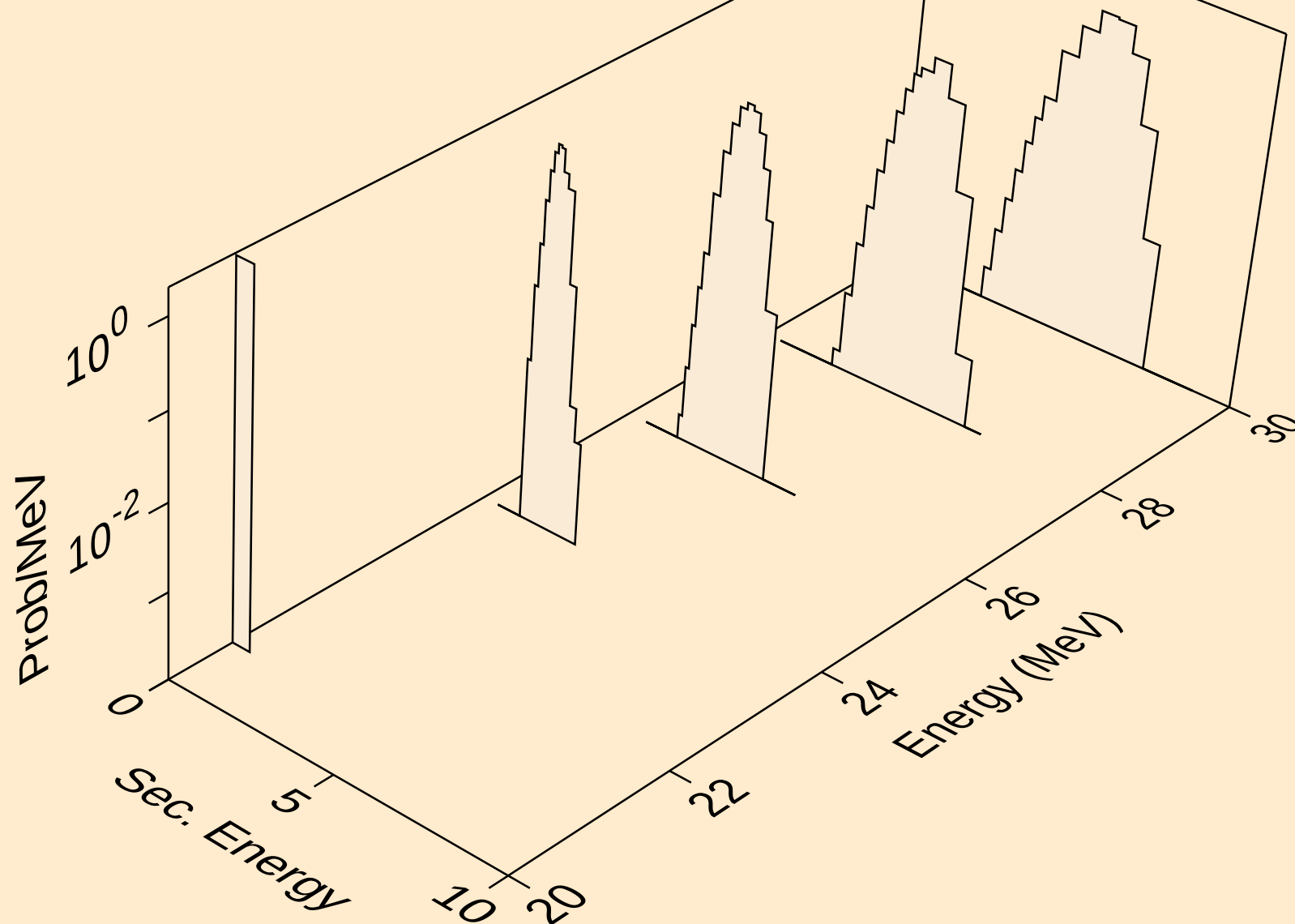
tritons from (p,n*)t



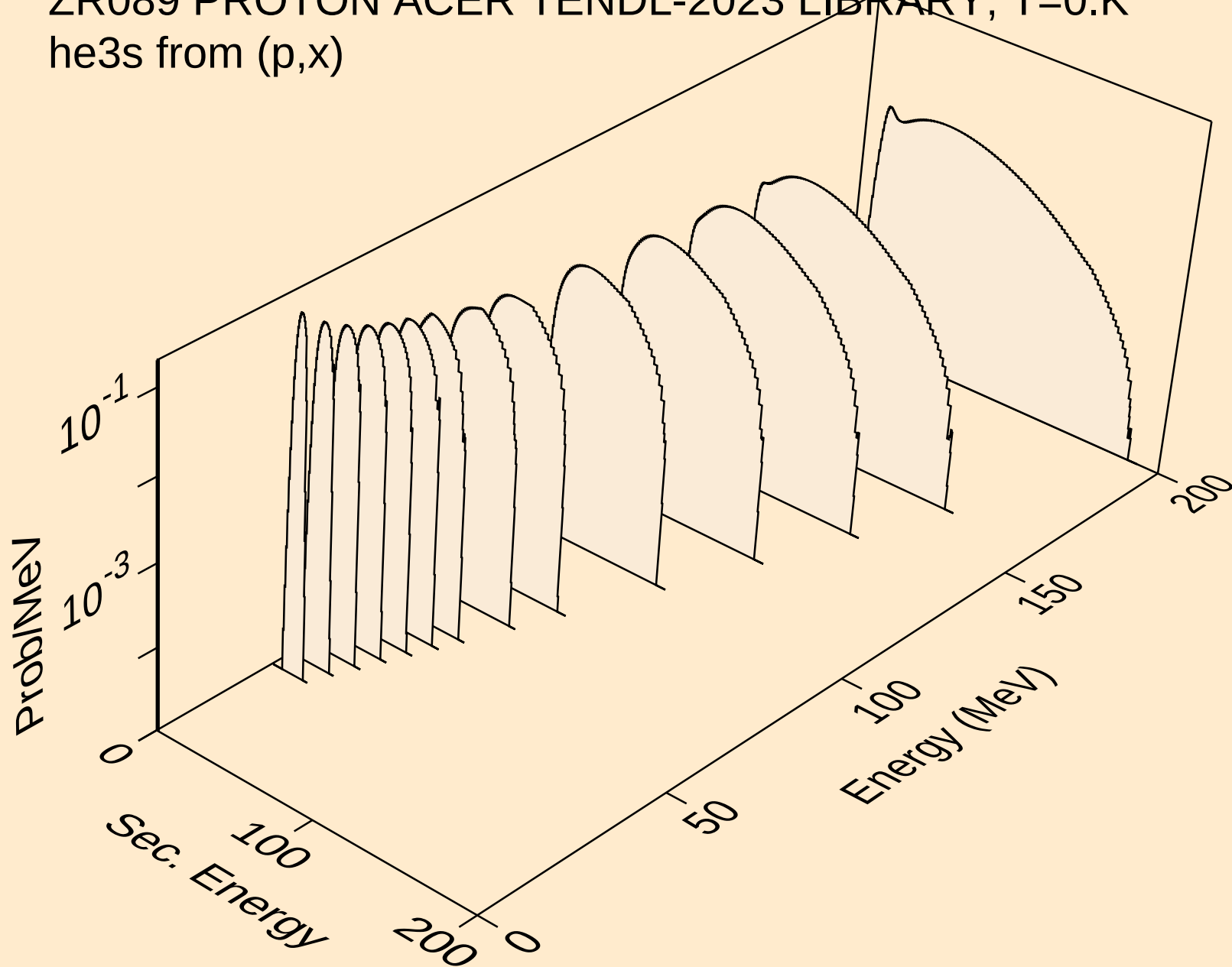
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,t)



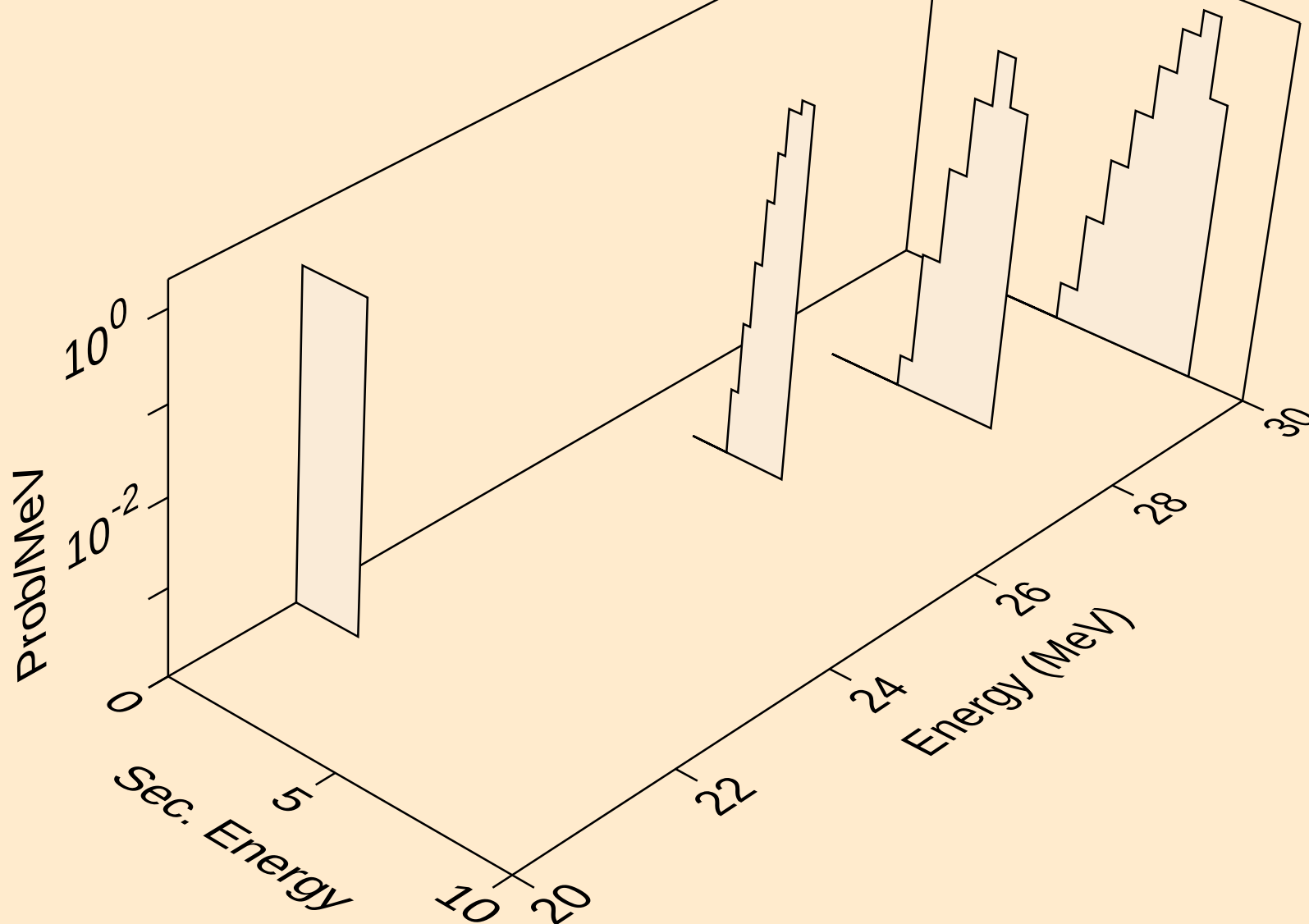
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (p,pt)



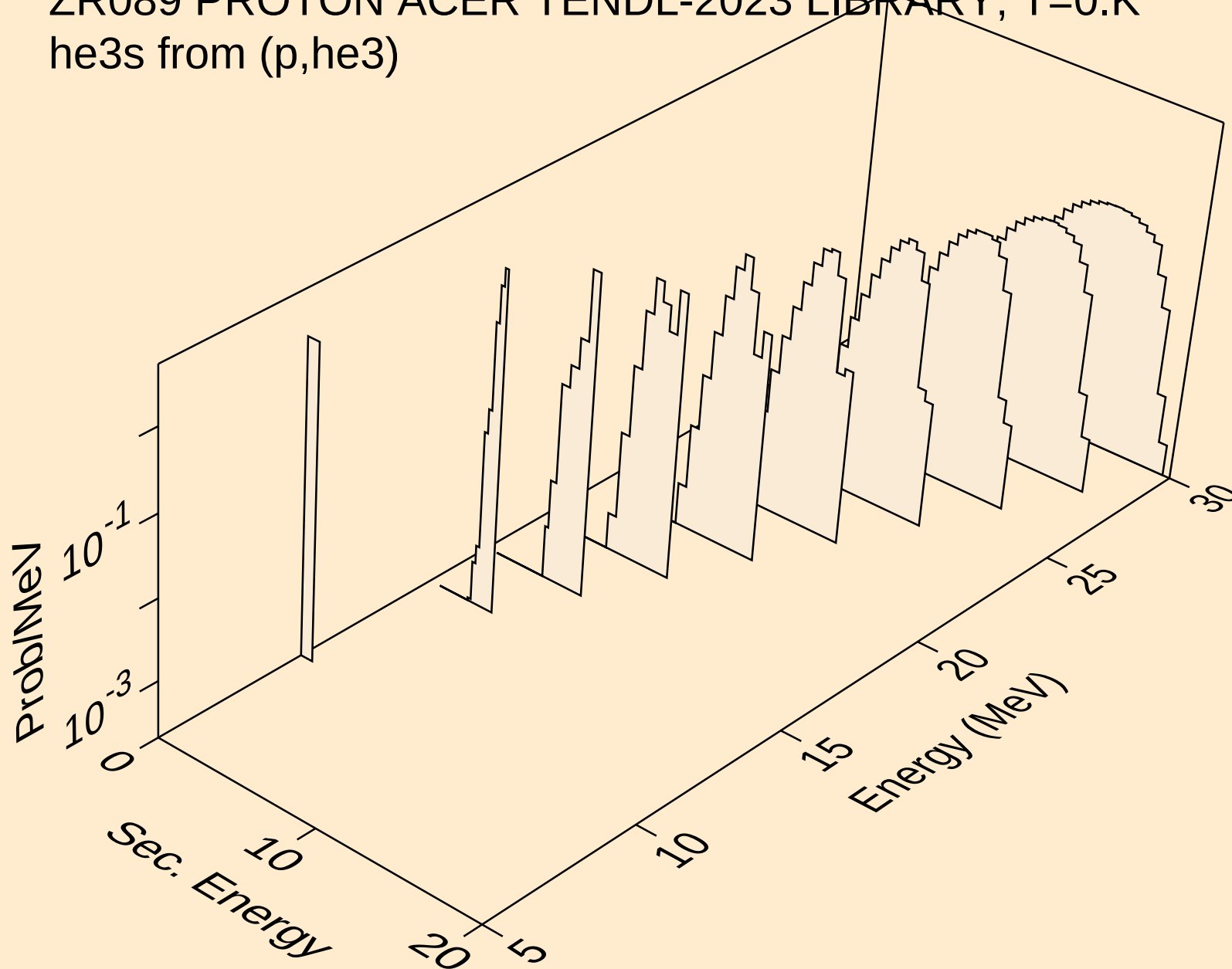
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,x)



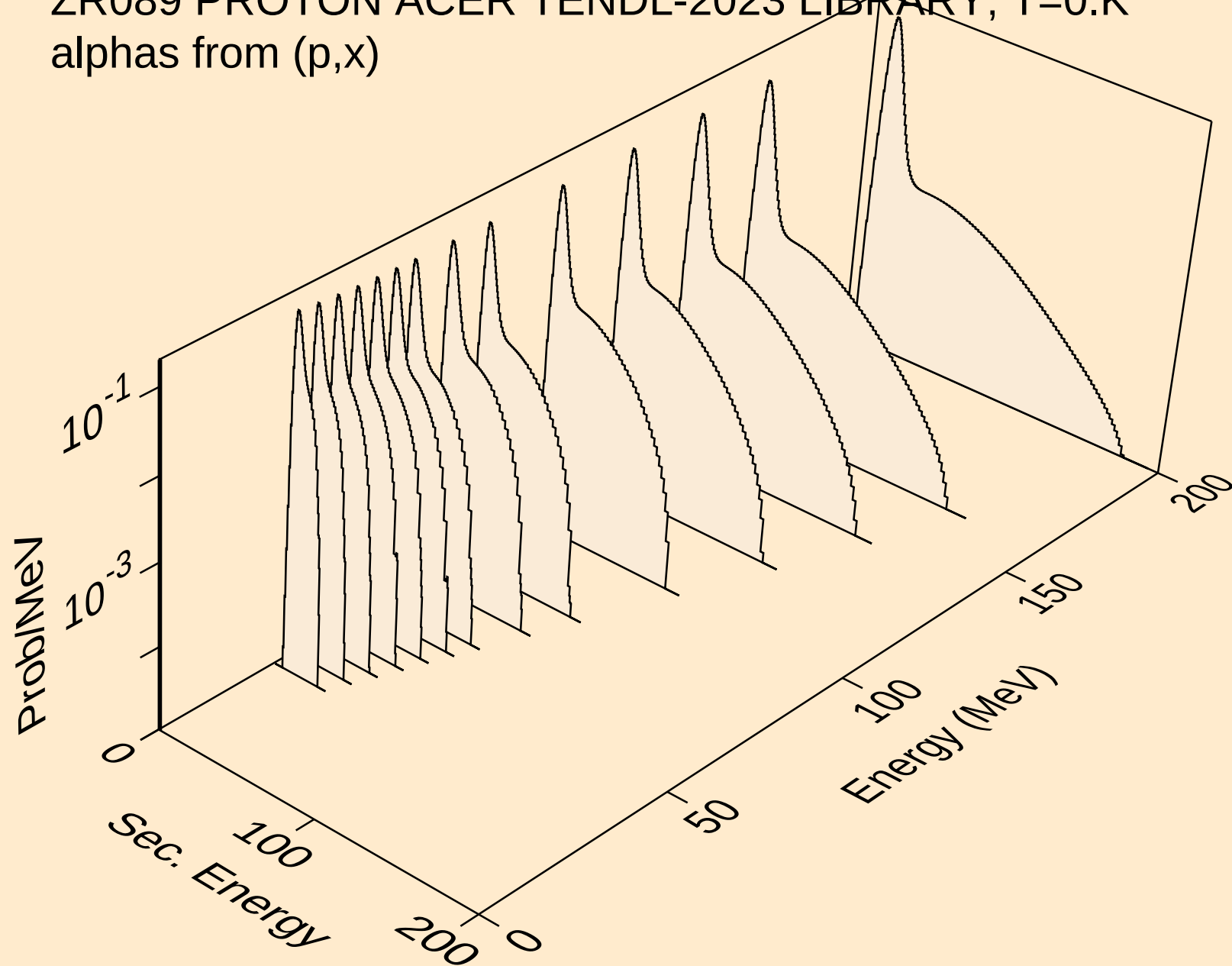
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,n*)he3



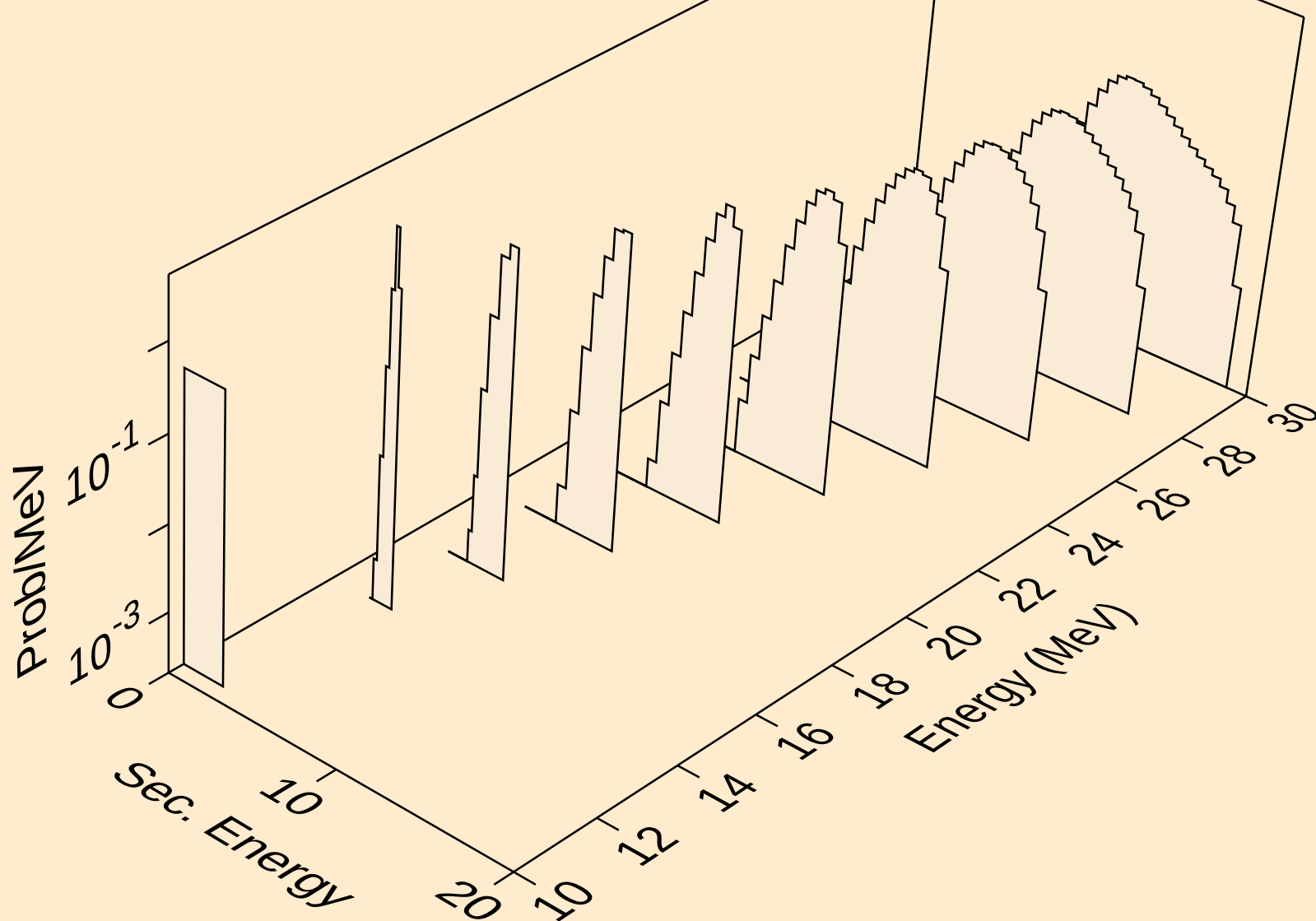
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (p,he3)



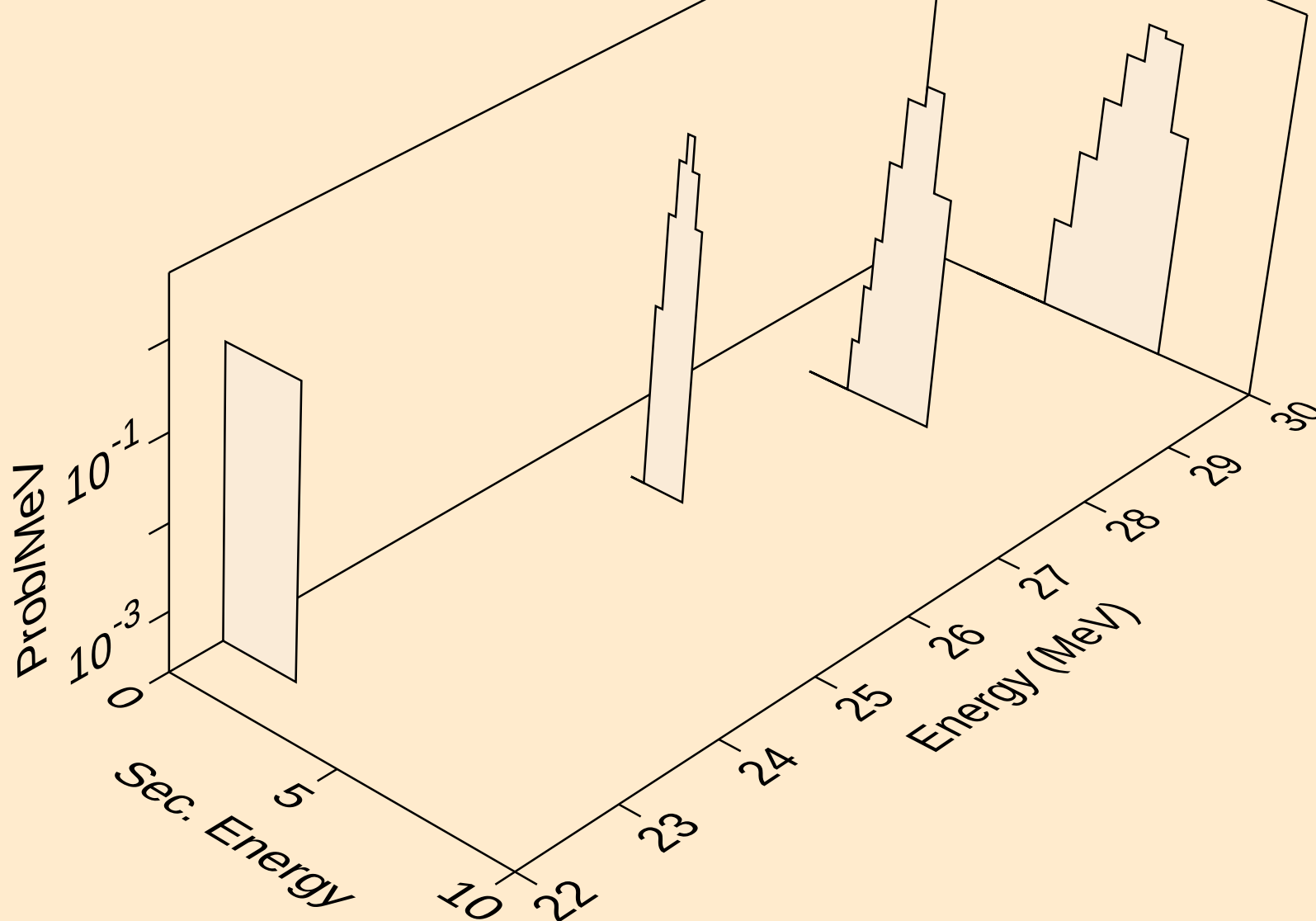
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,x)



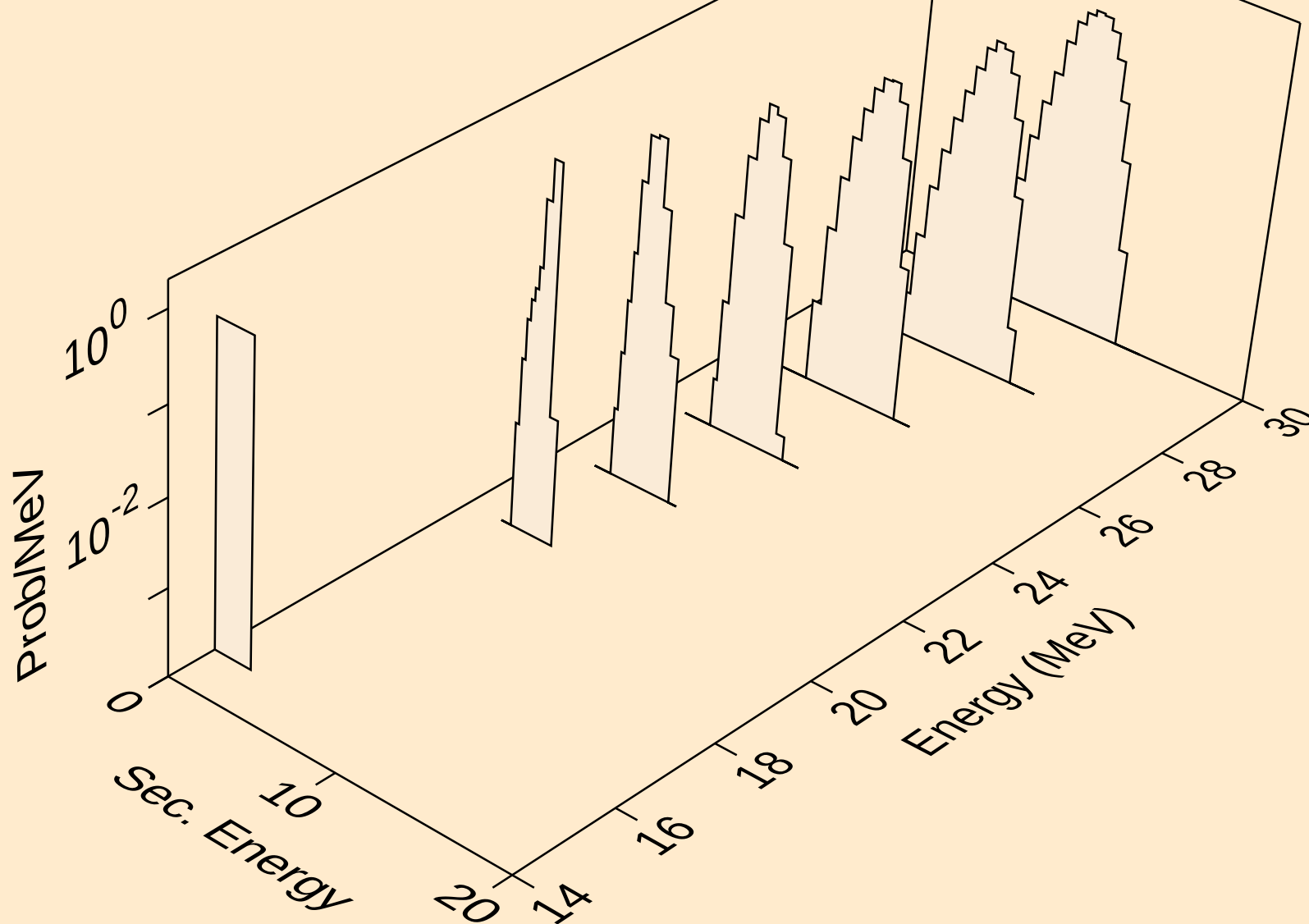
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,n*)a



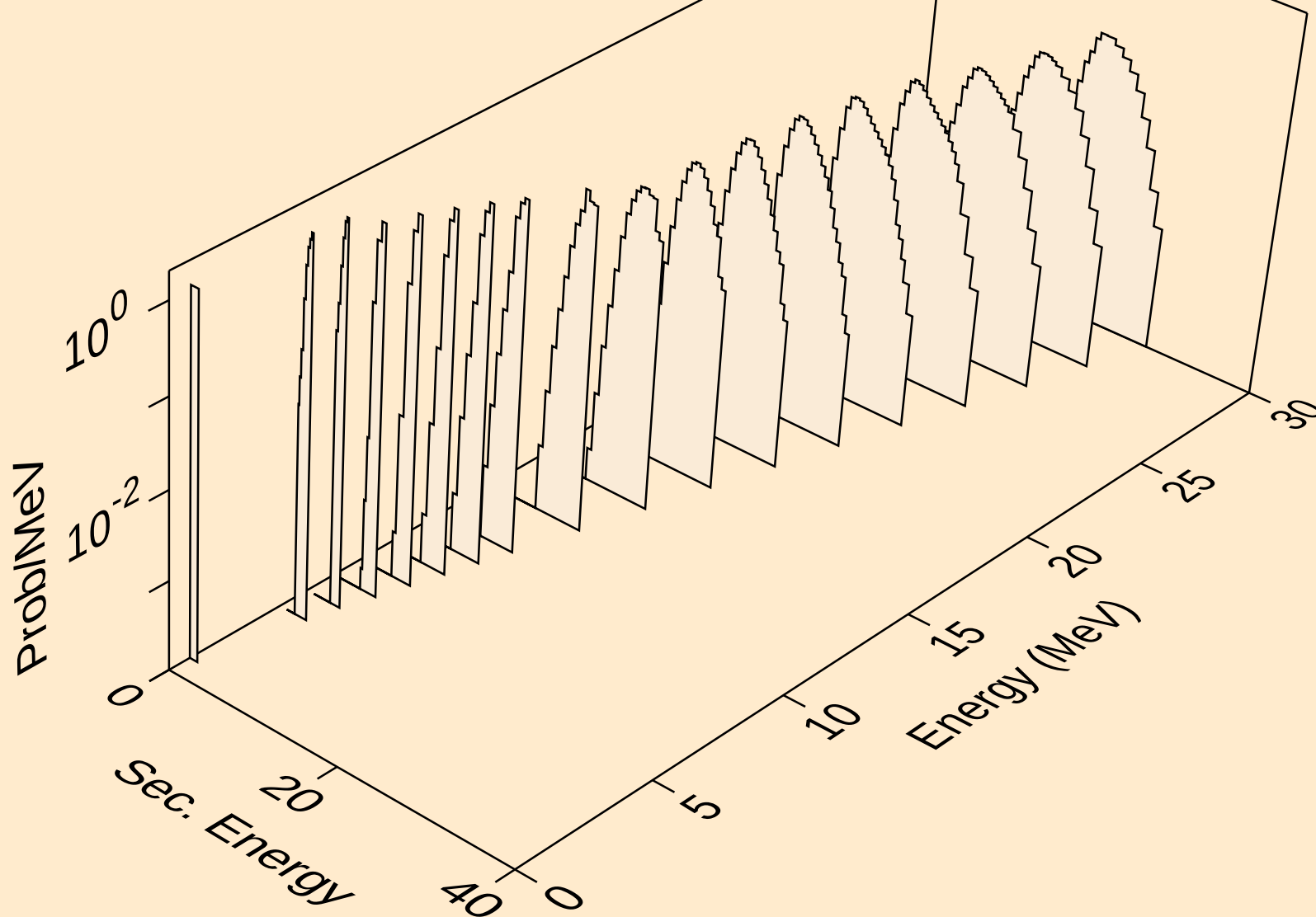
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2n)a



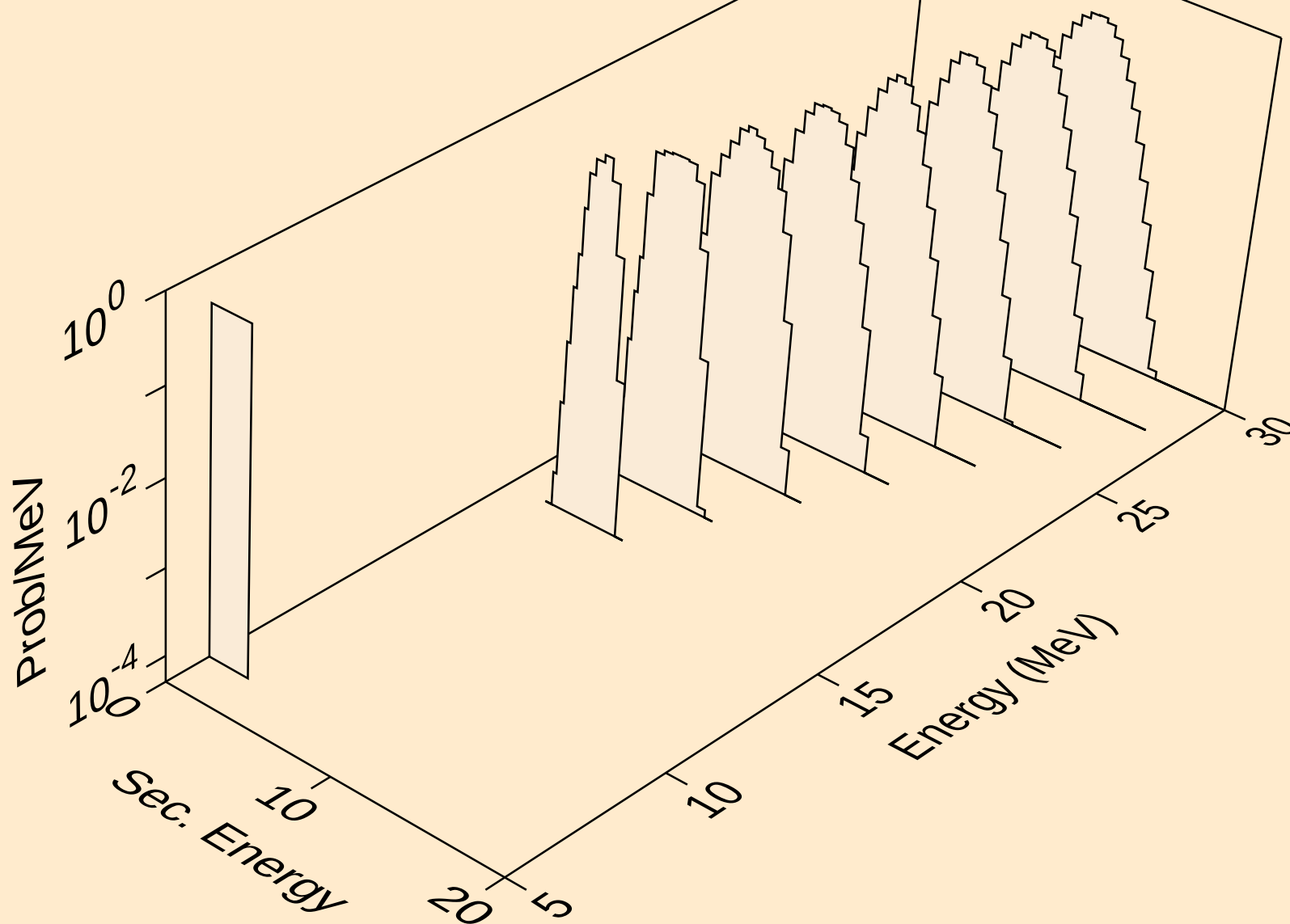
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,npa)



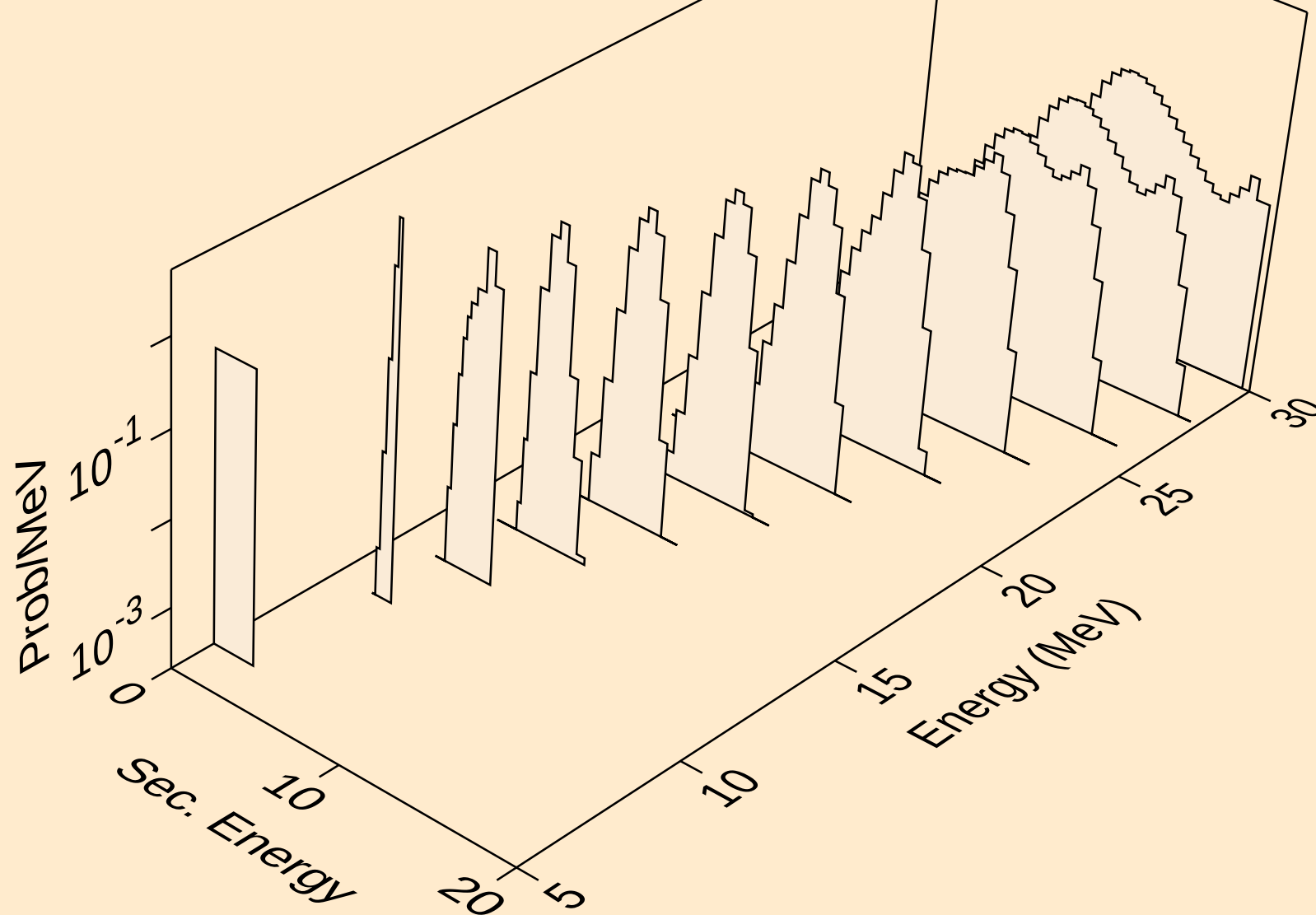
ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,a)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,2a)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,pa)



ZR089 PROTON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (p,da)

