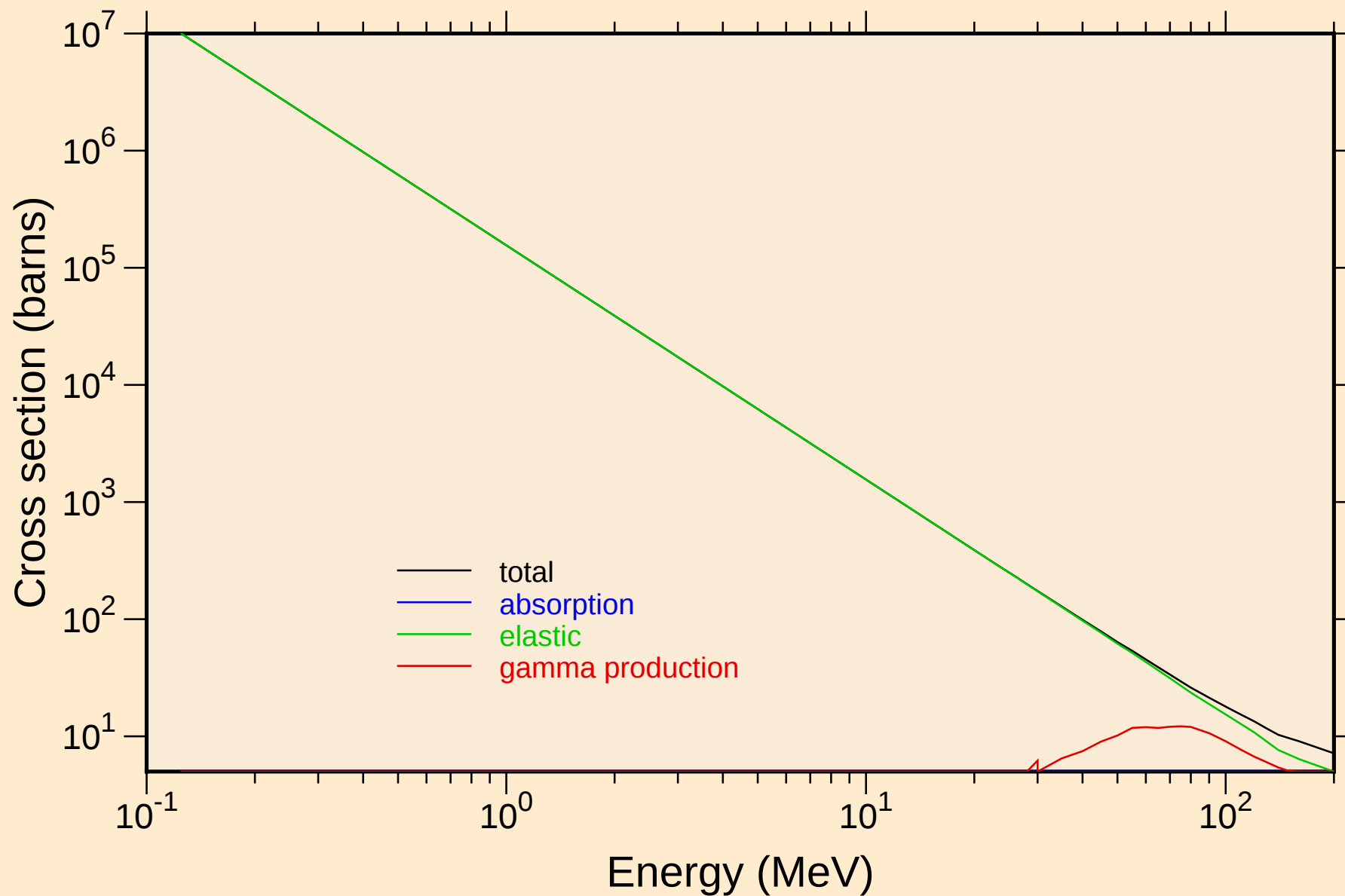


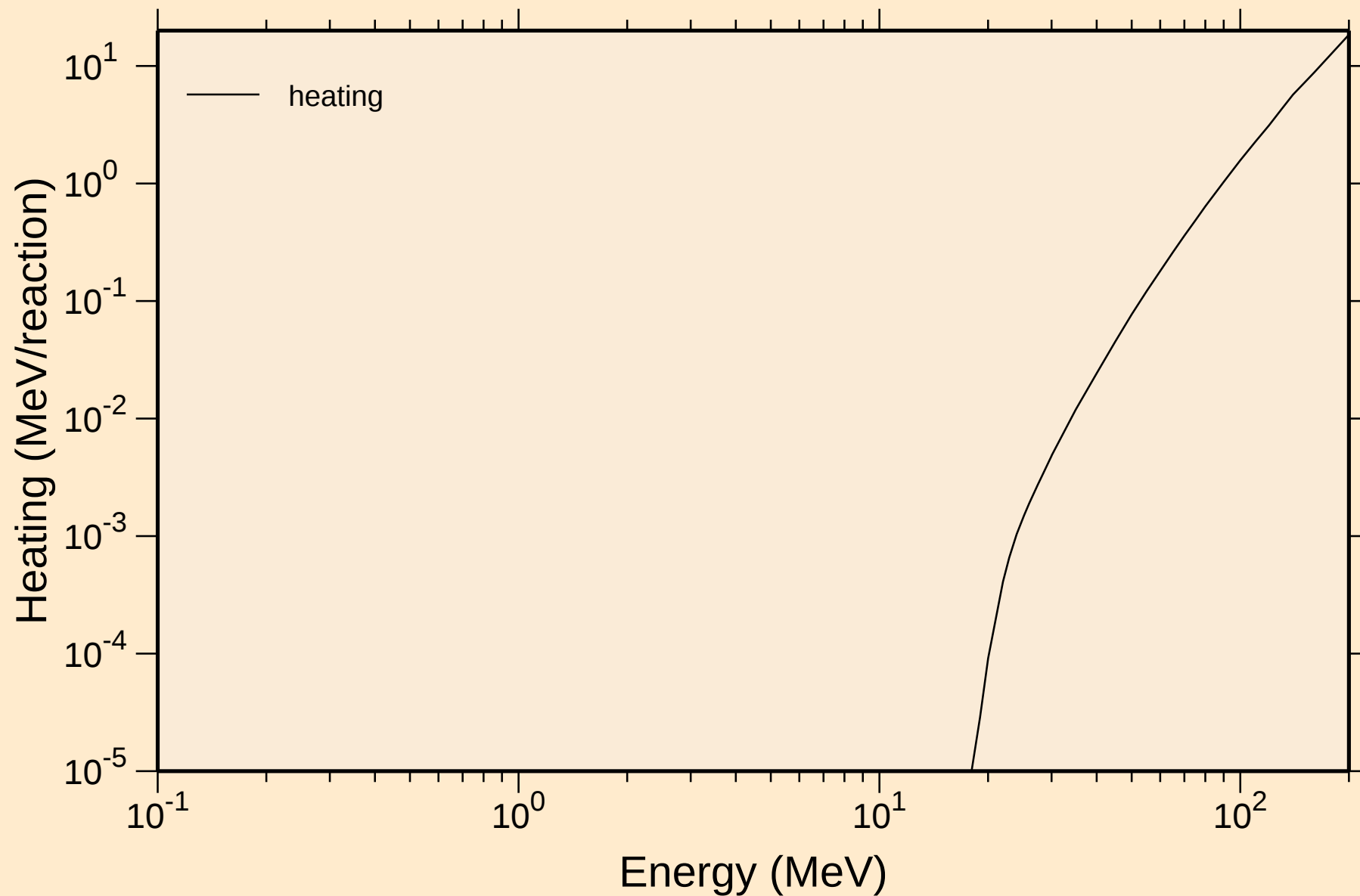
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



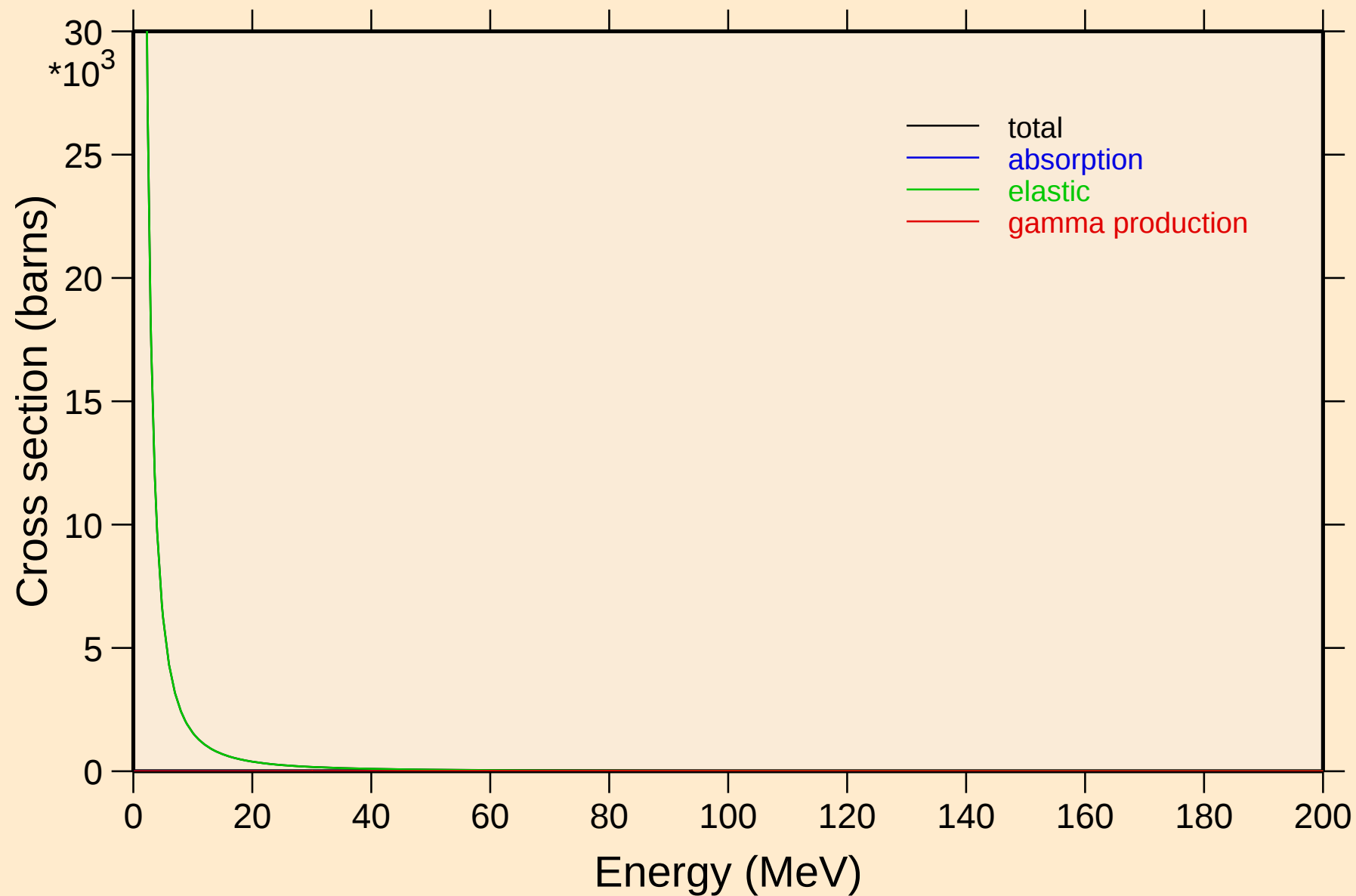
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



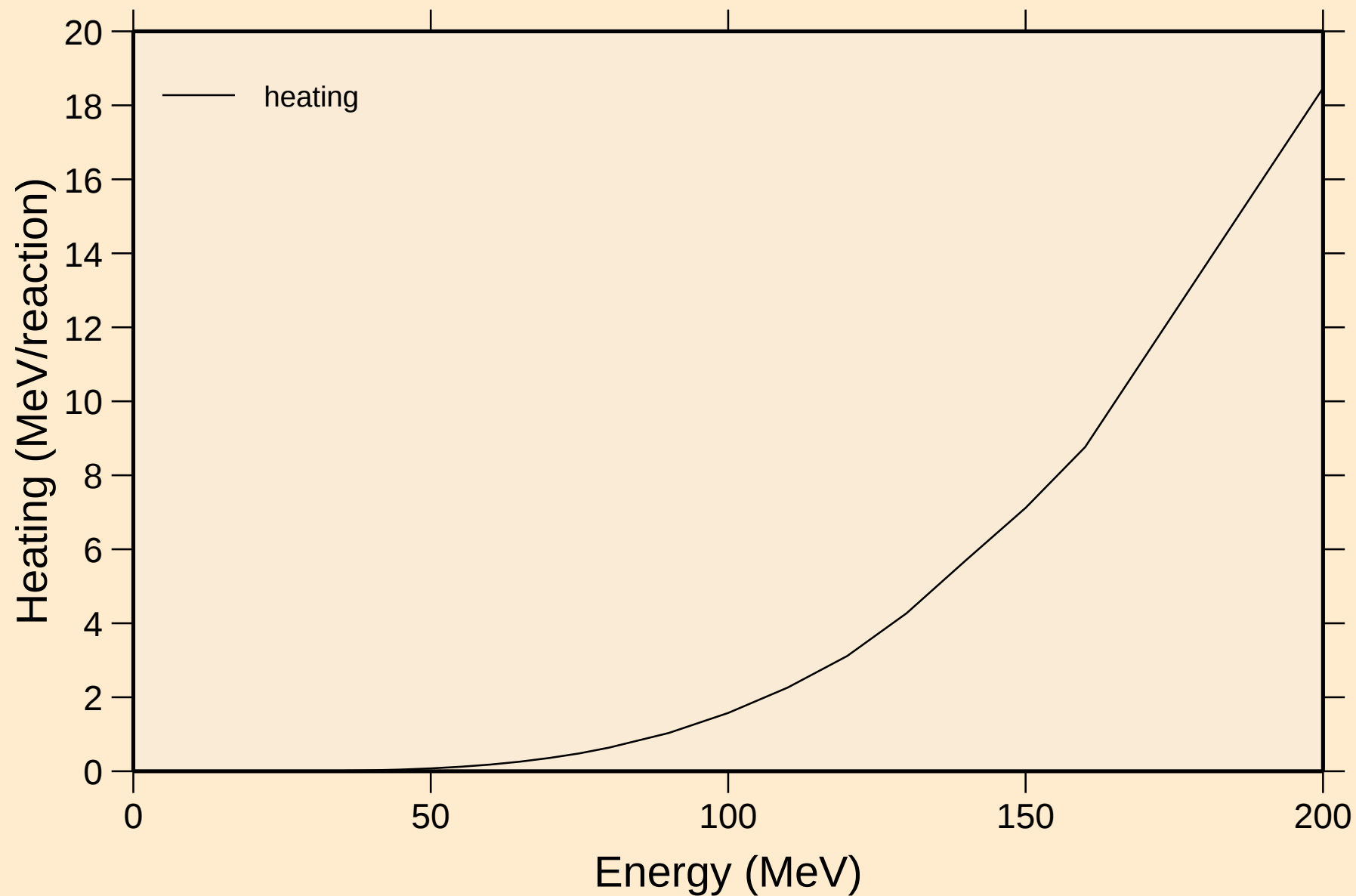
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



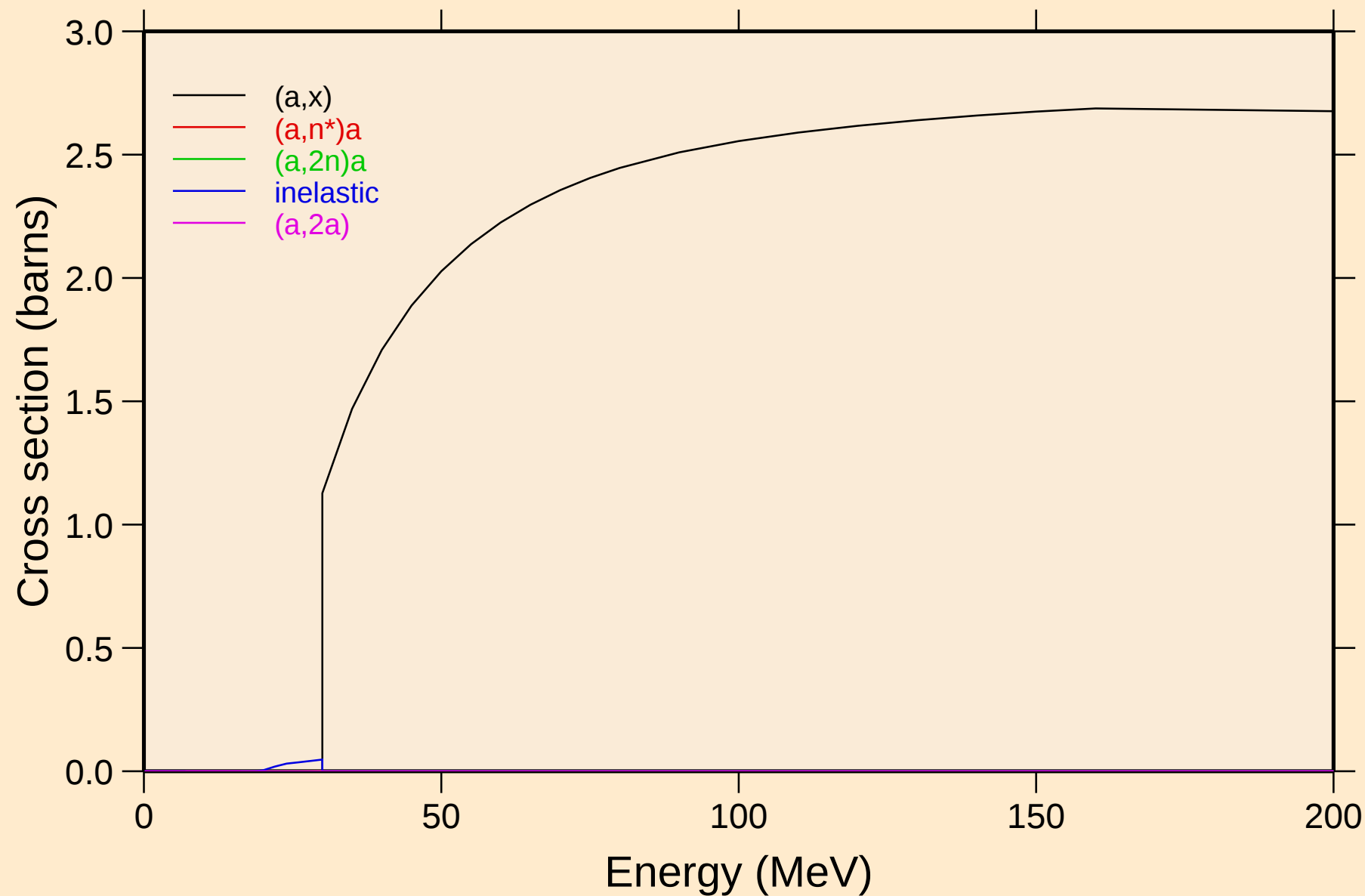
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



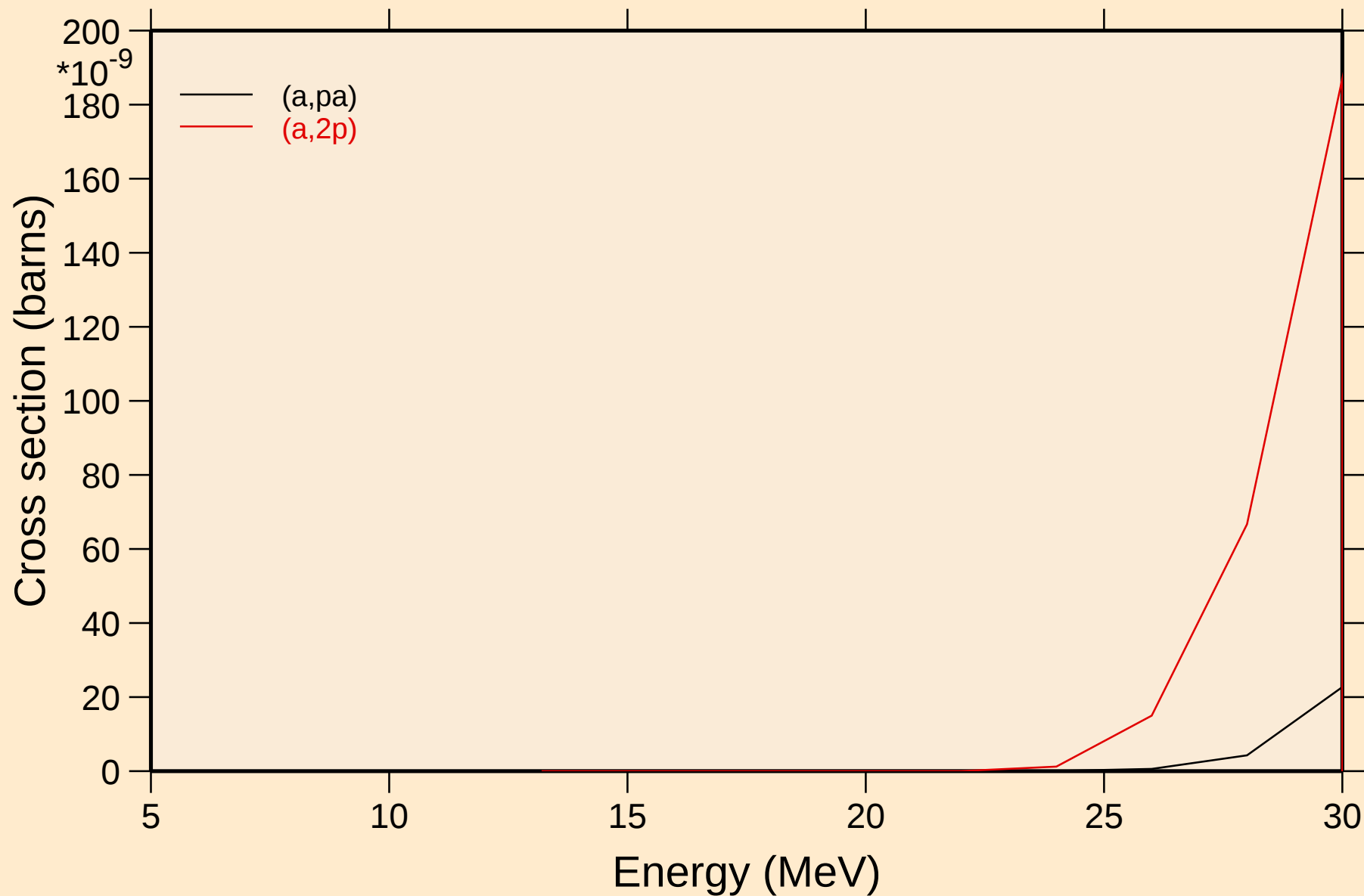
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



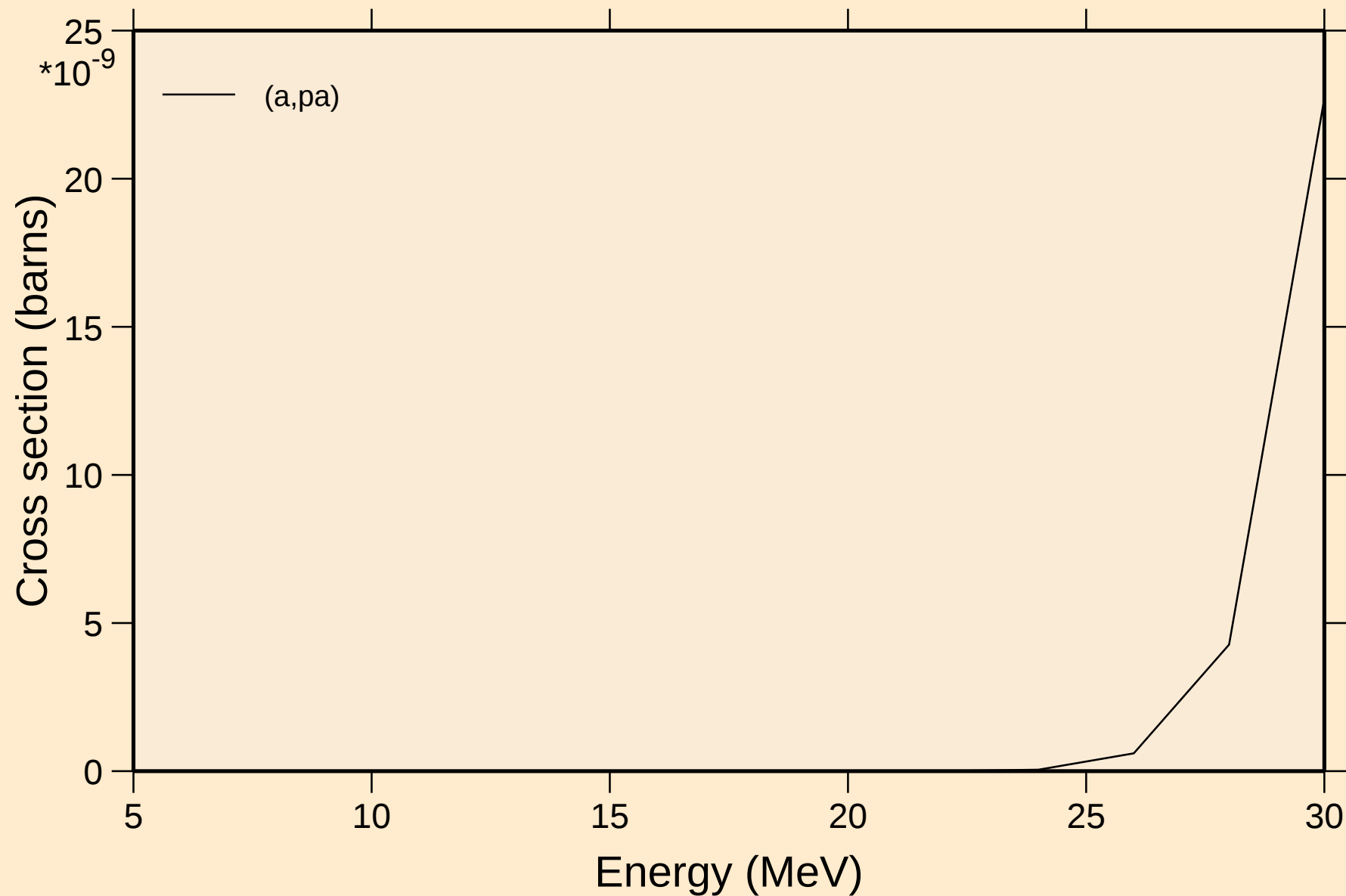
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

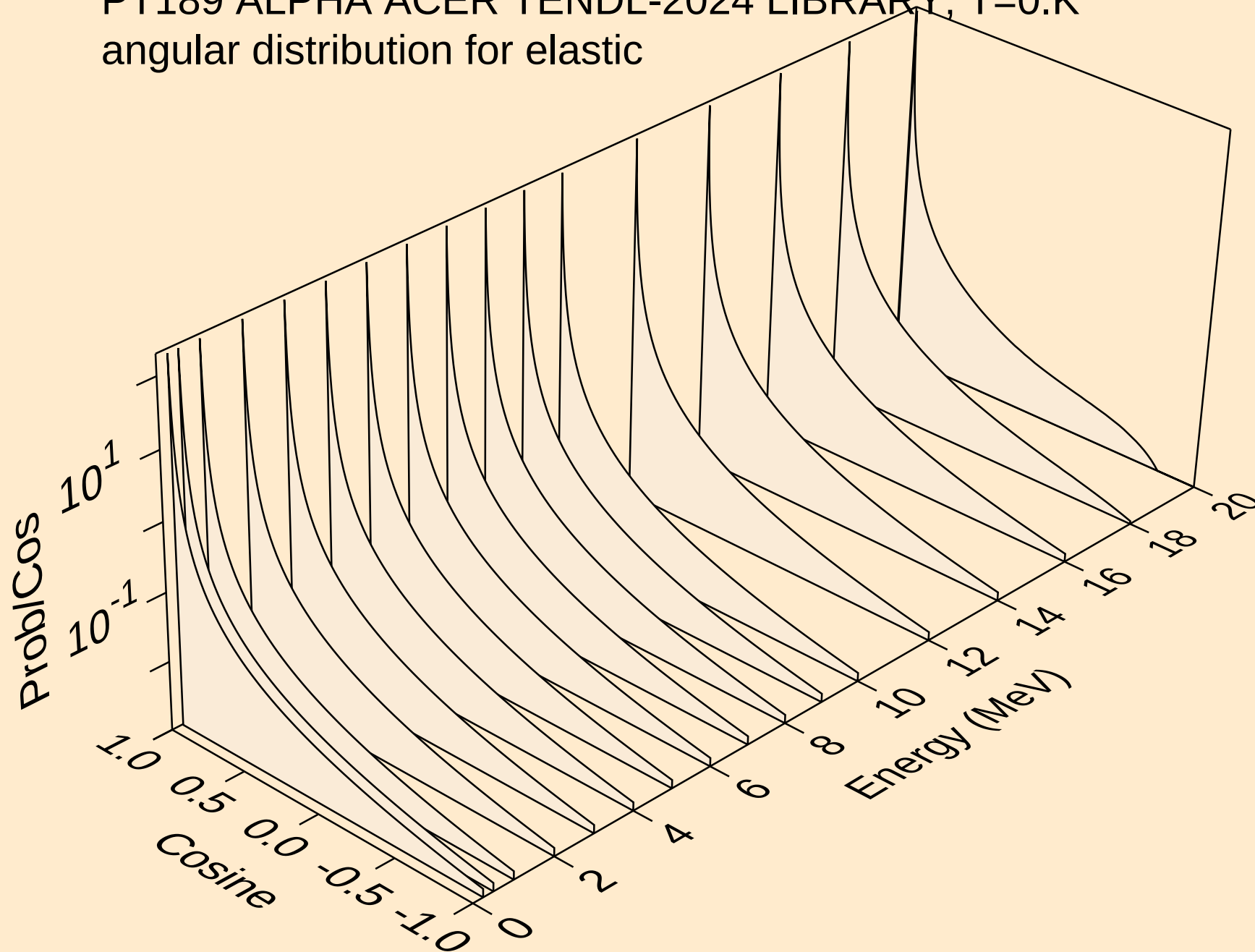


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

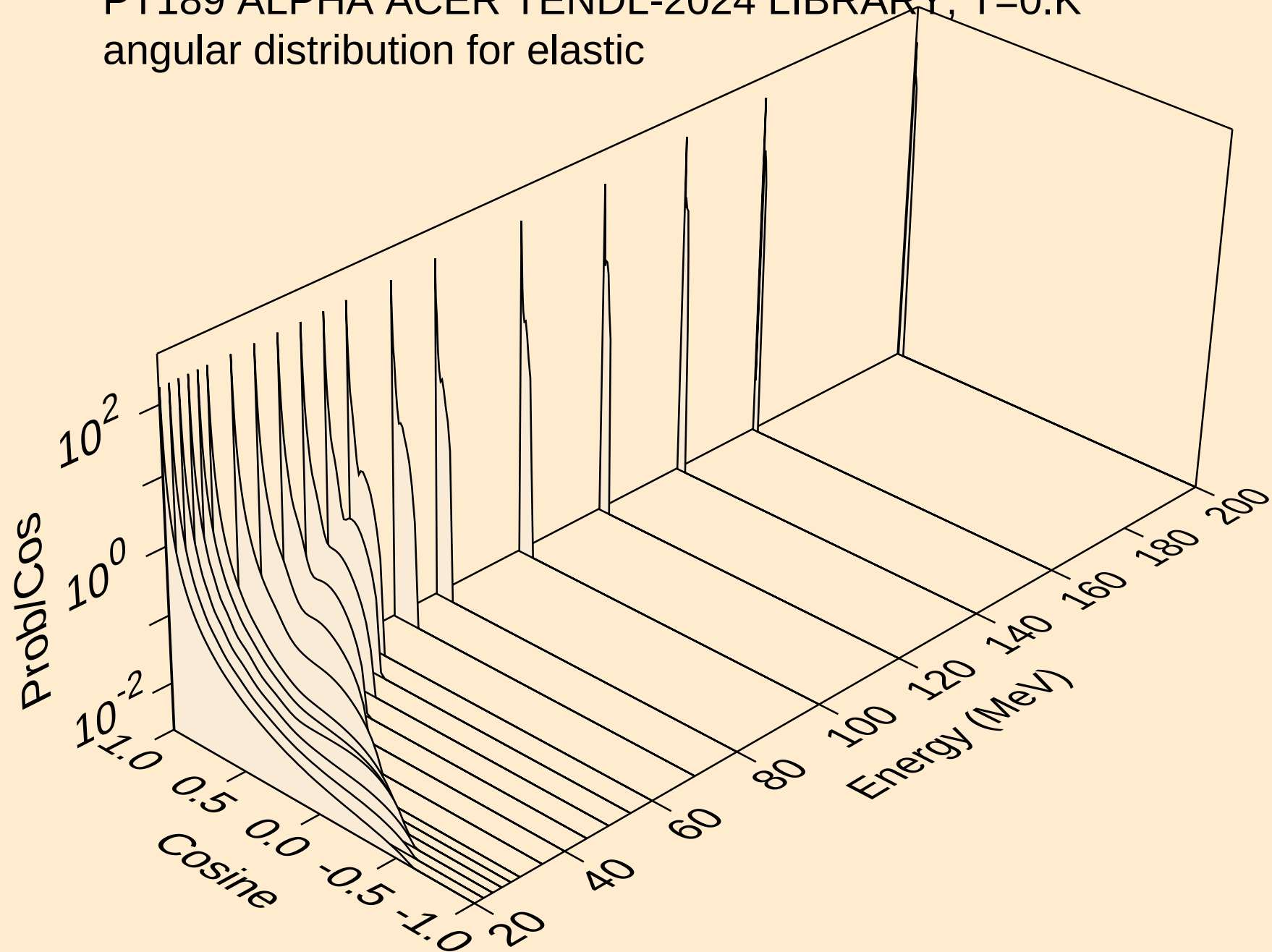
Threshold reactions



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic

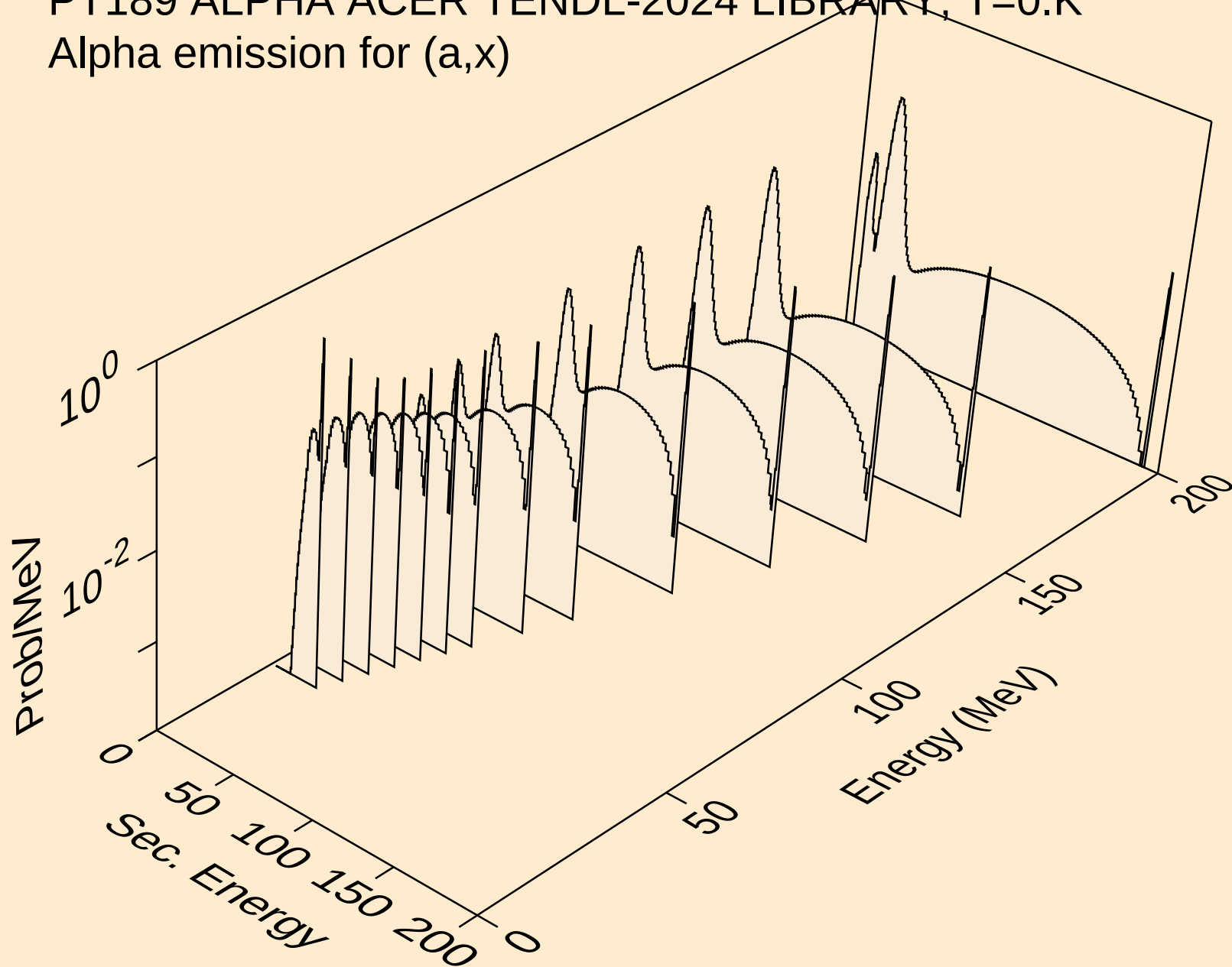


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



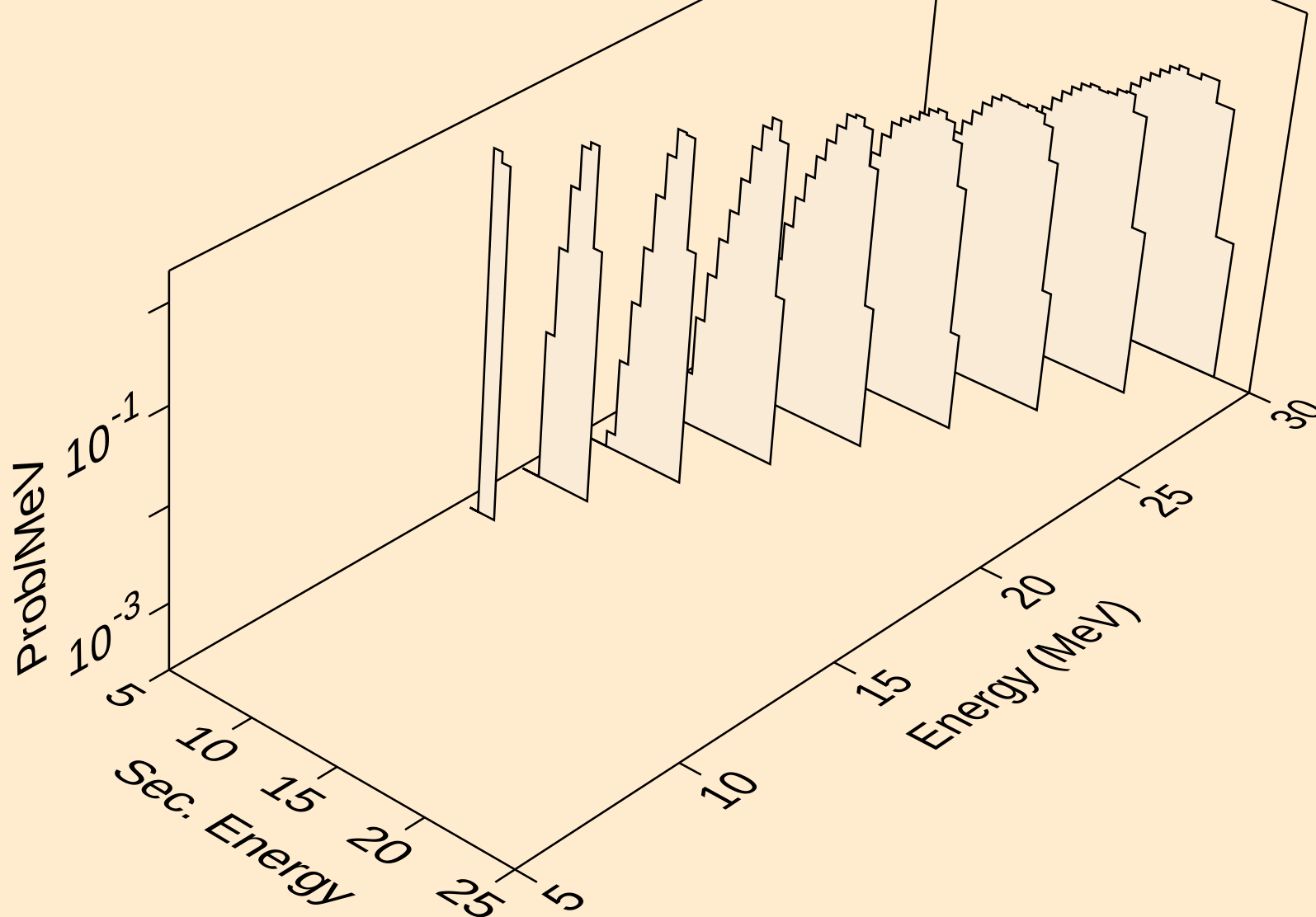
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,x)



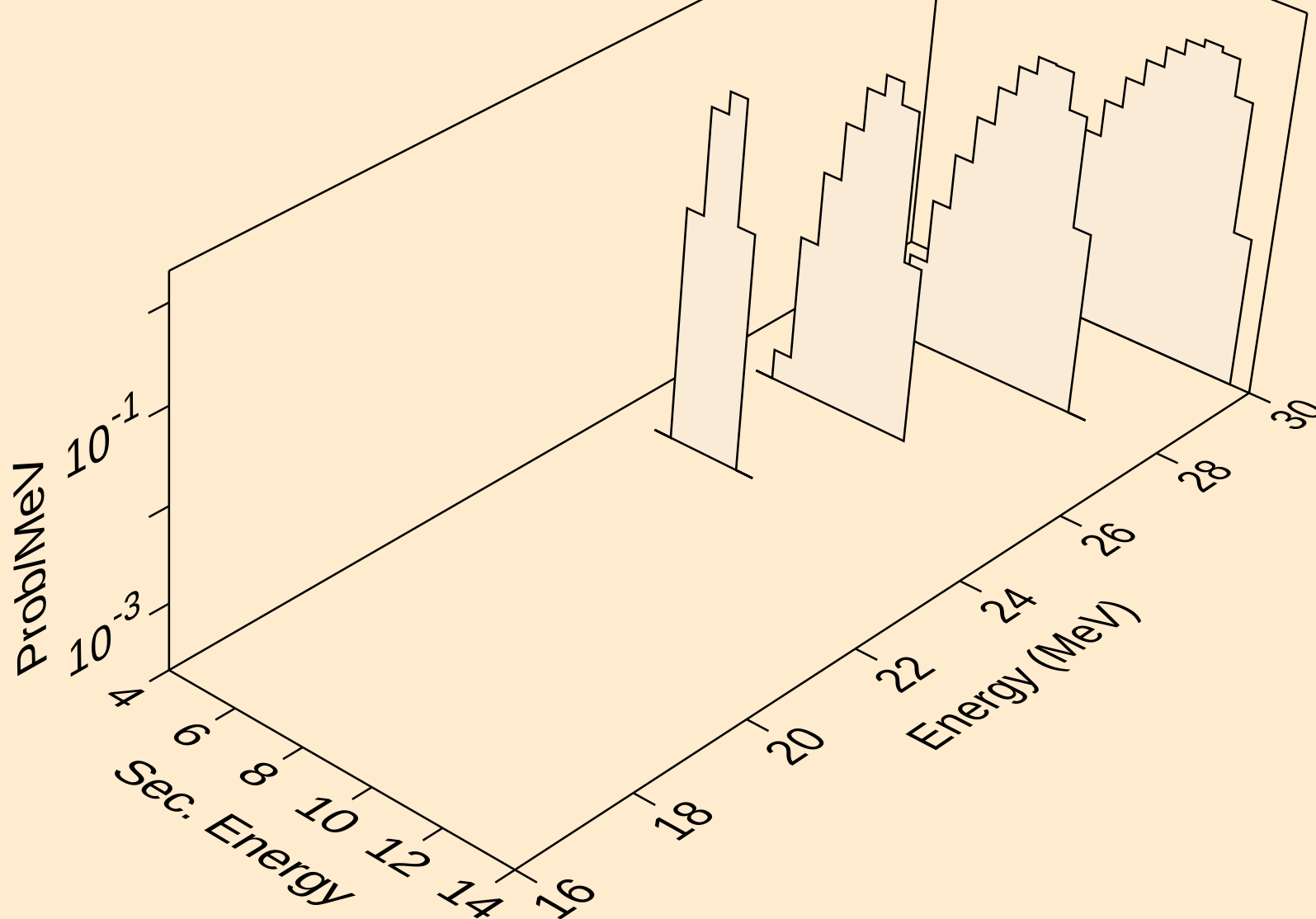
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n*)a



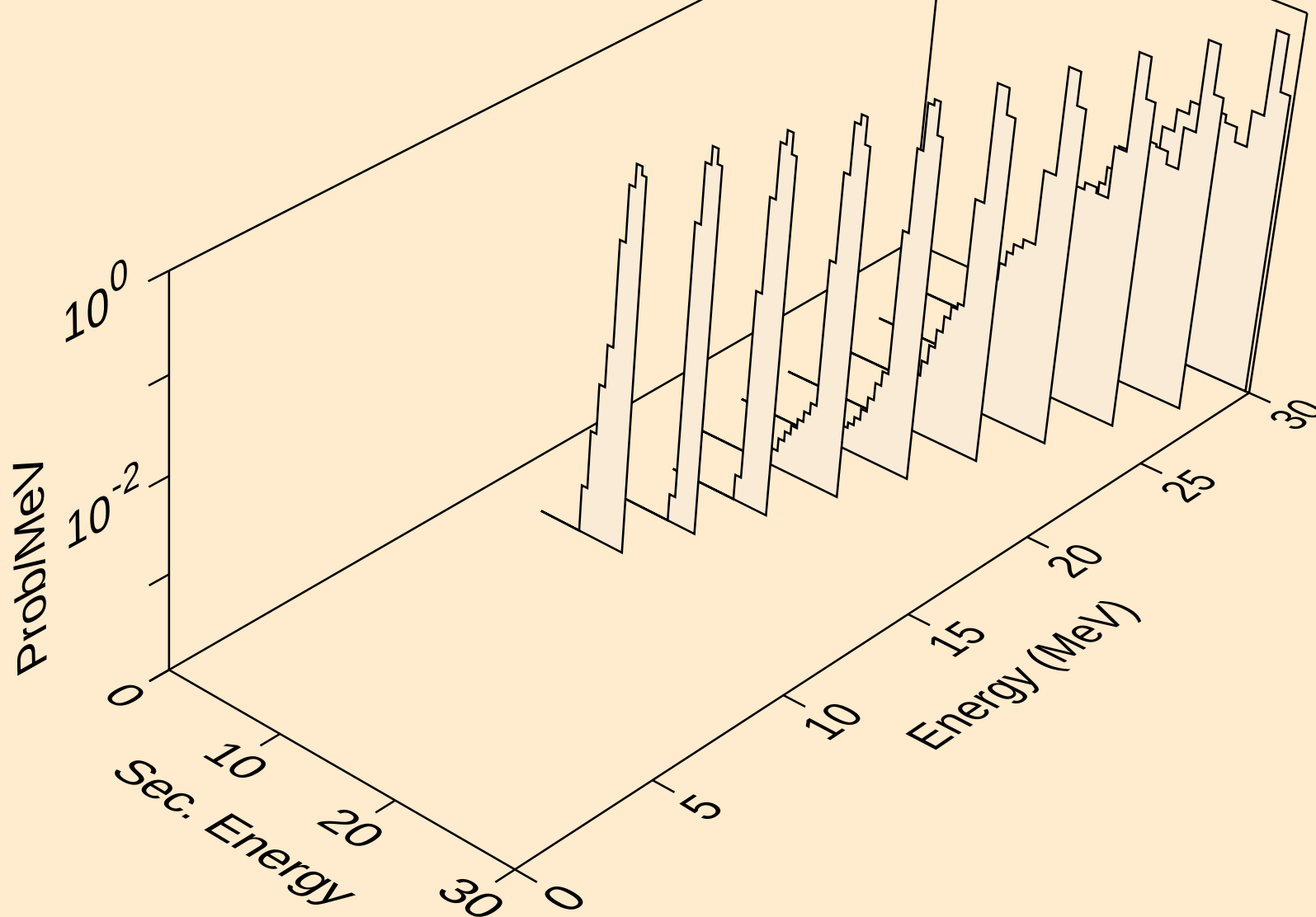
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2n)a



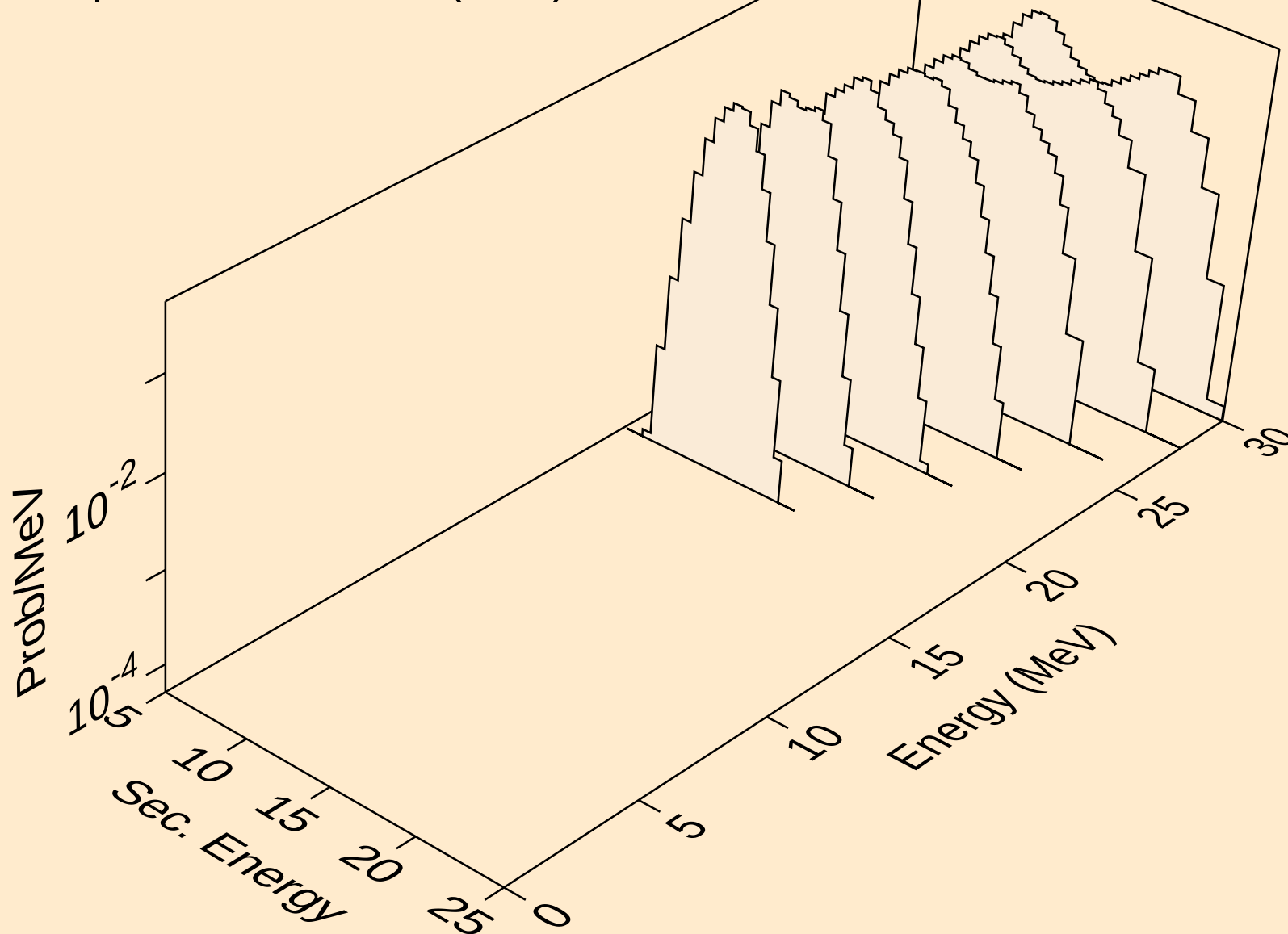
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



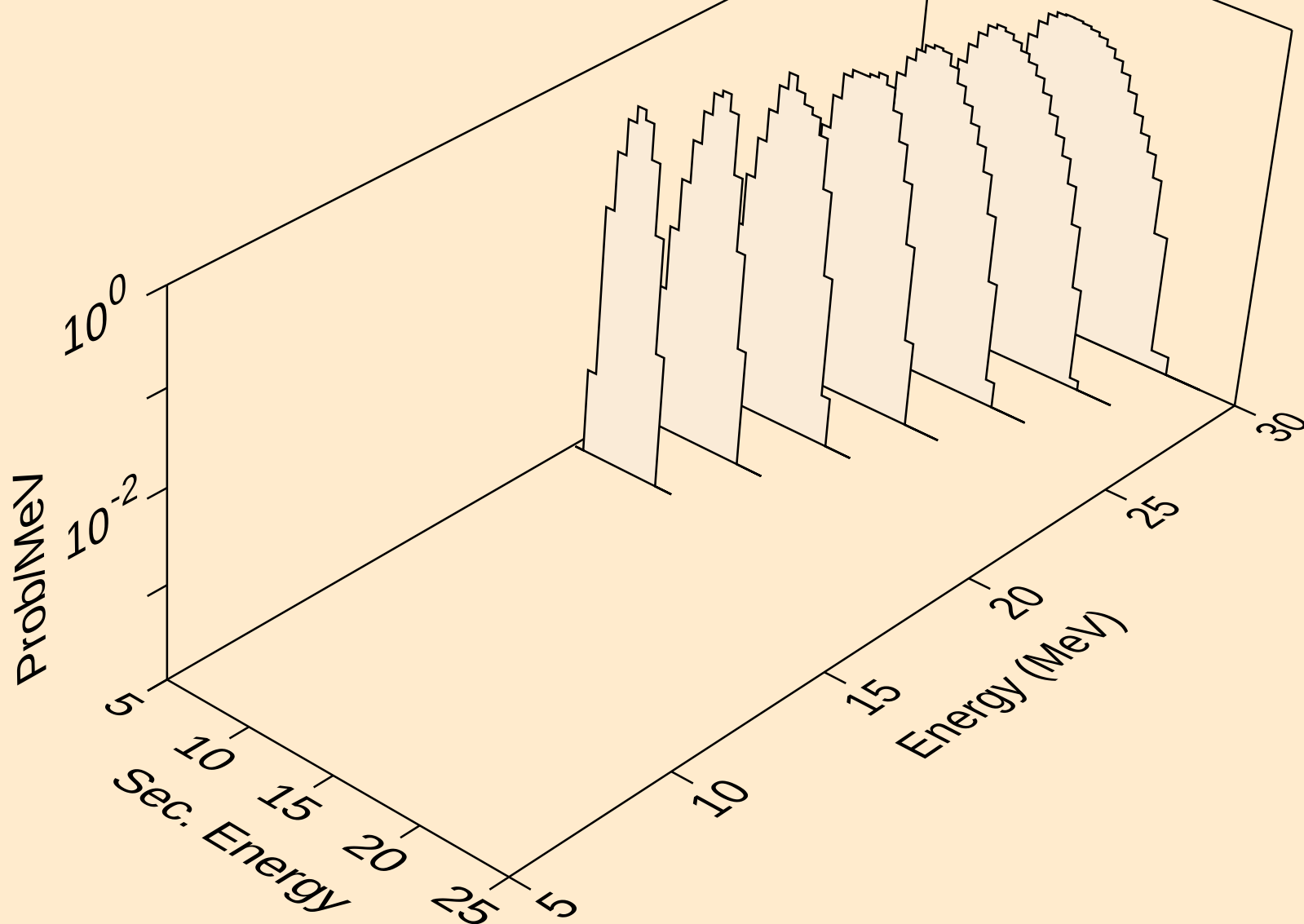
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)

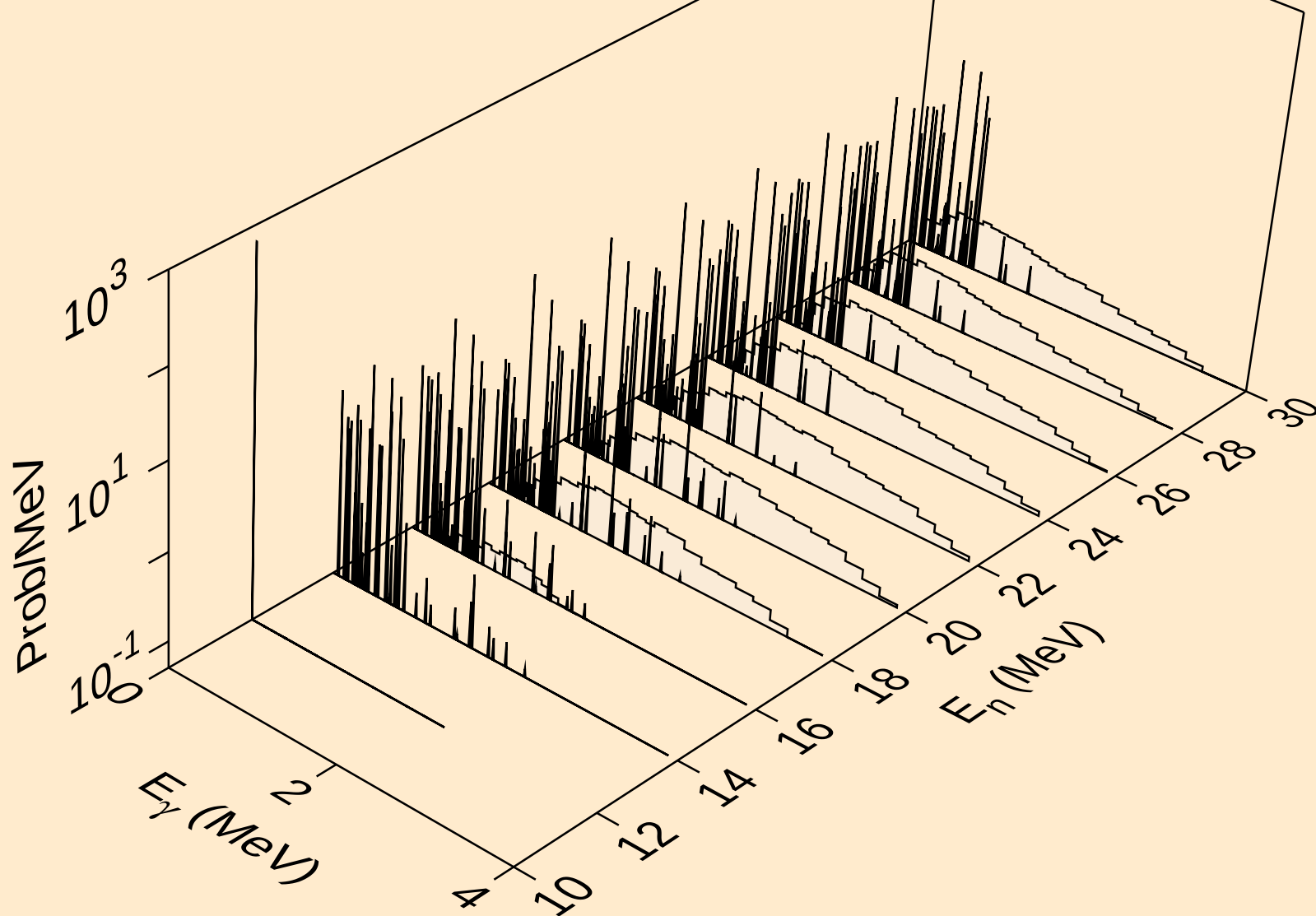


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,pa)

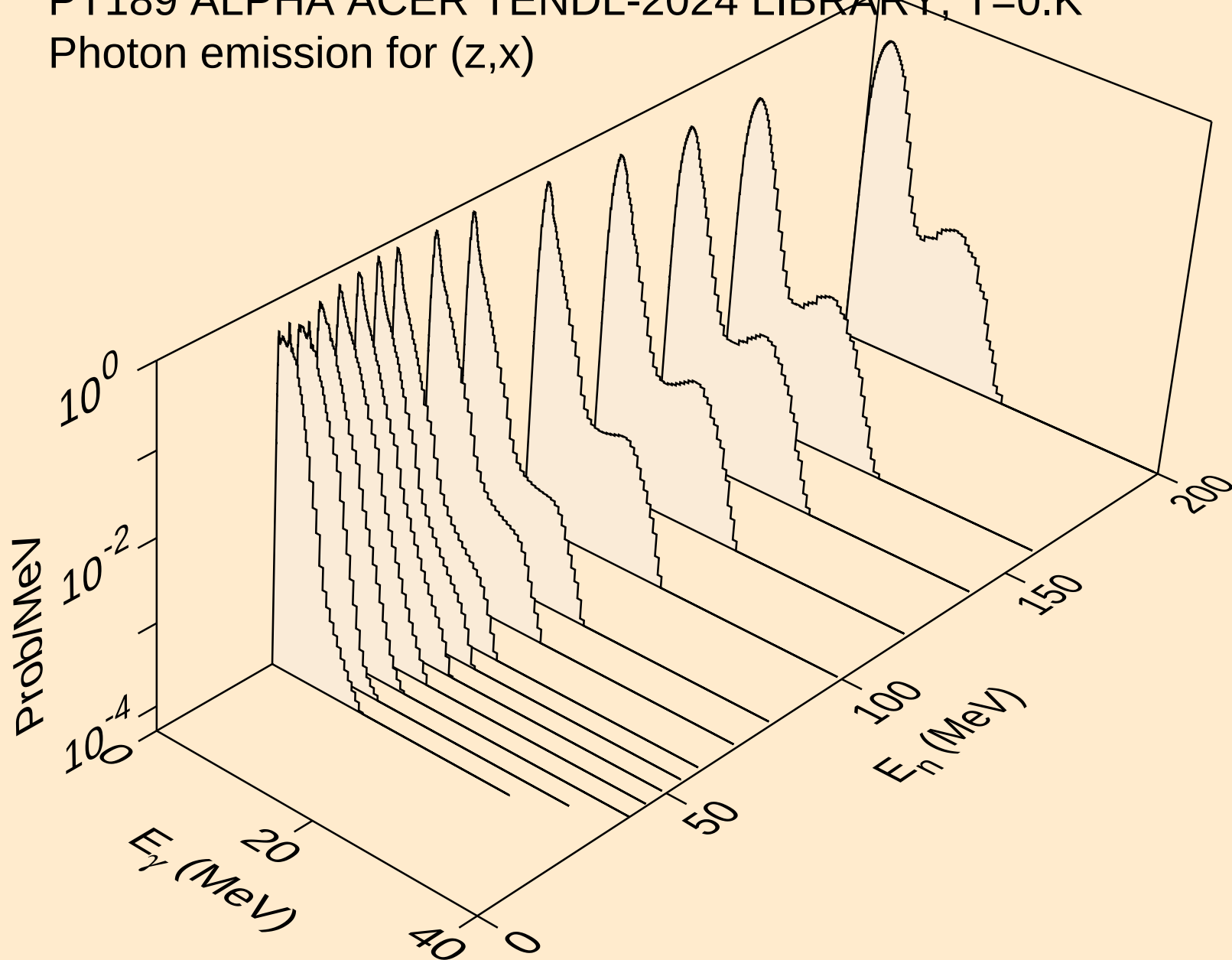


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,n)

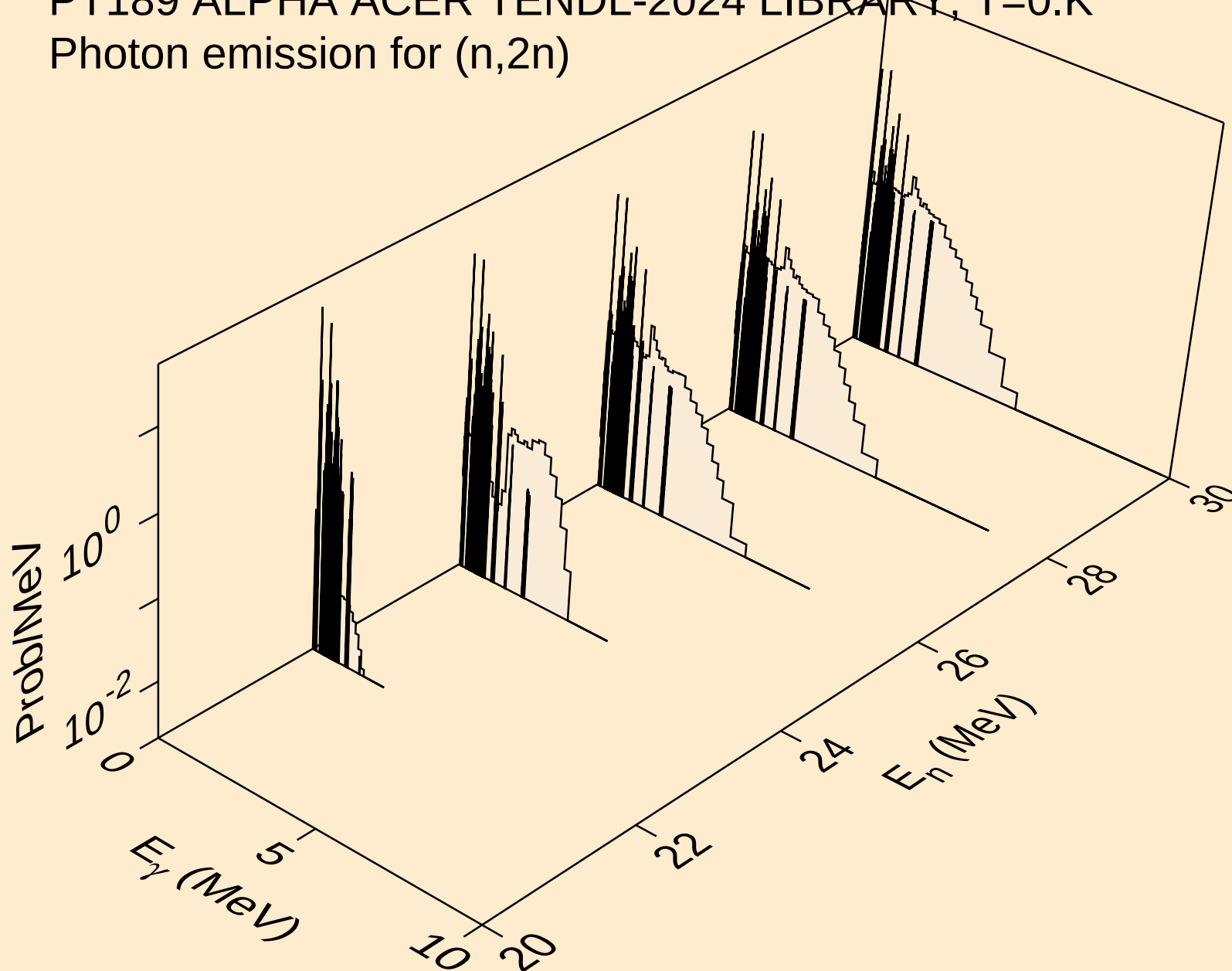


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

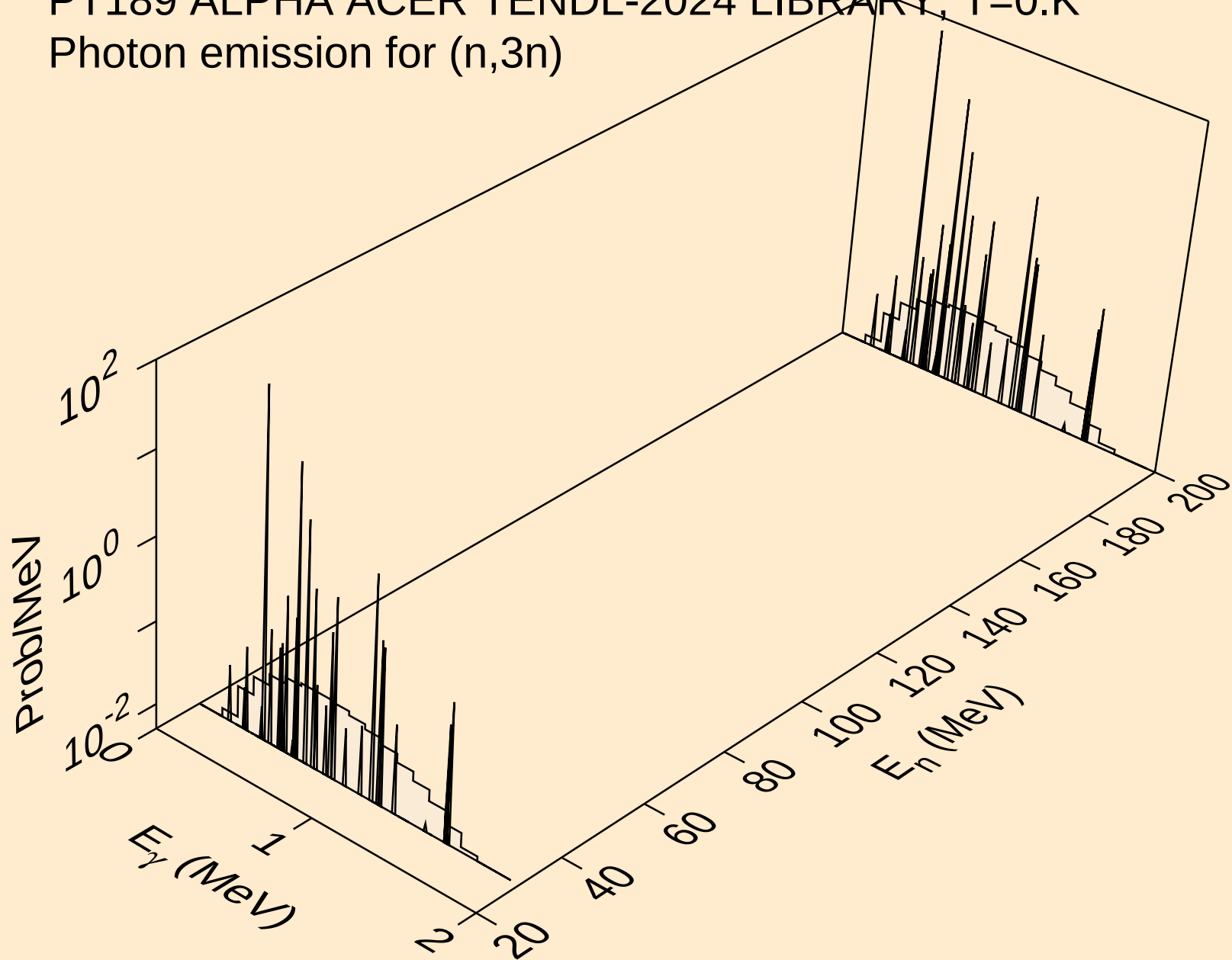
Photon emission for (z,x)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)

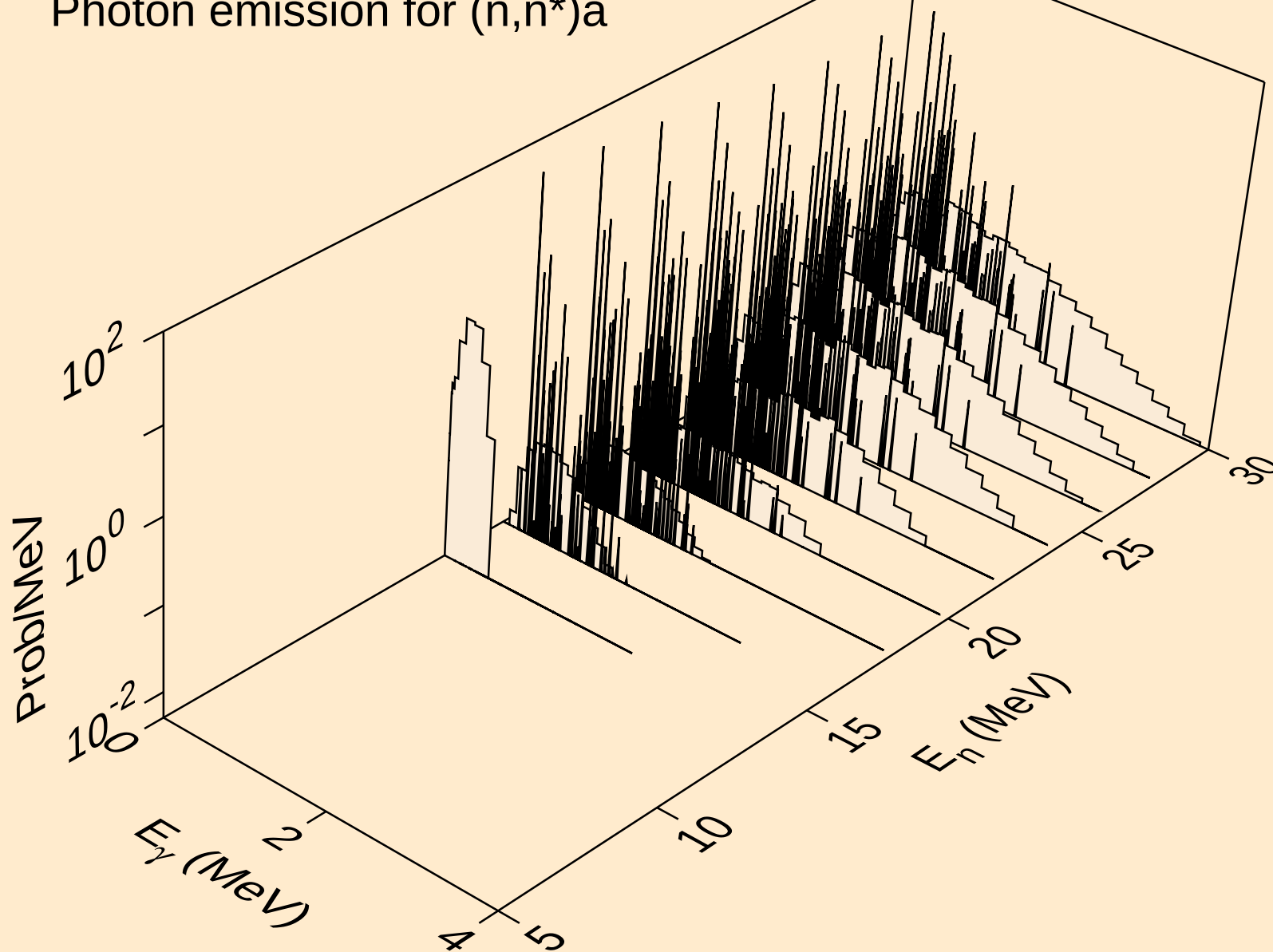


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)



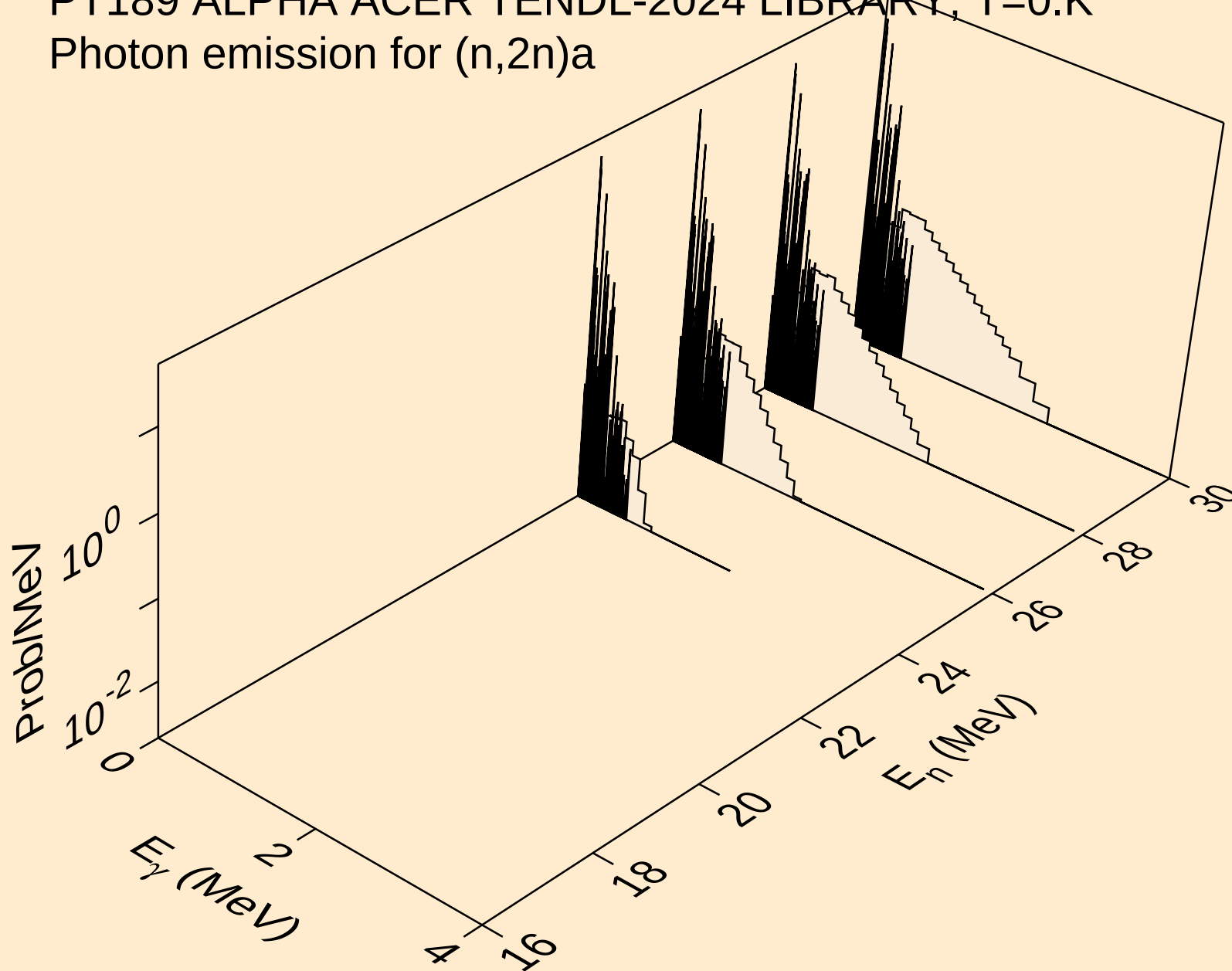
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)a



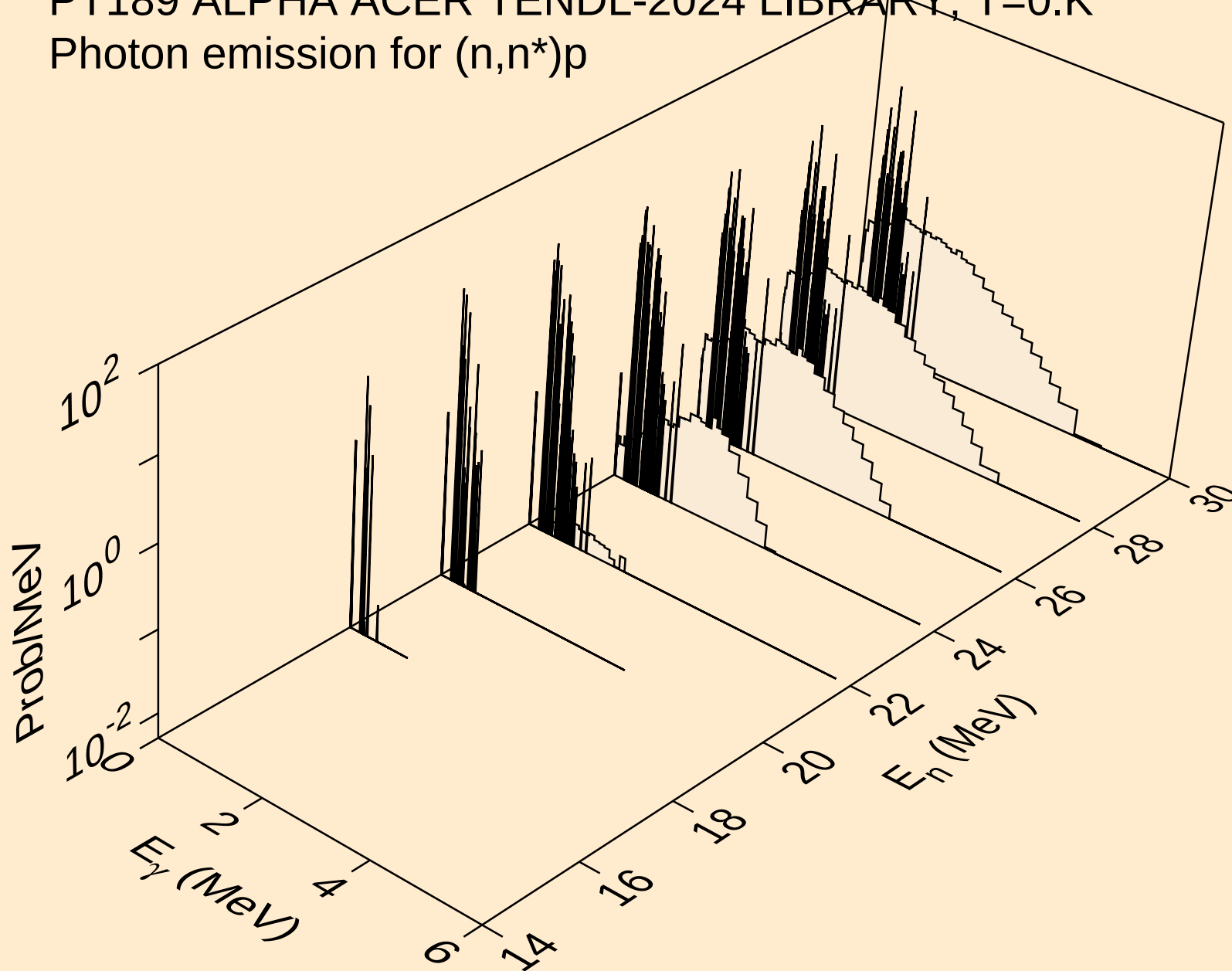
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)a



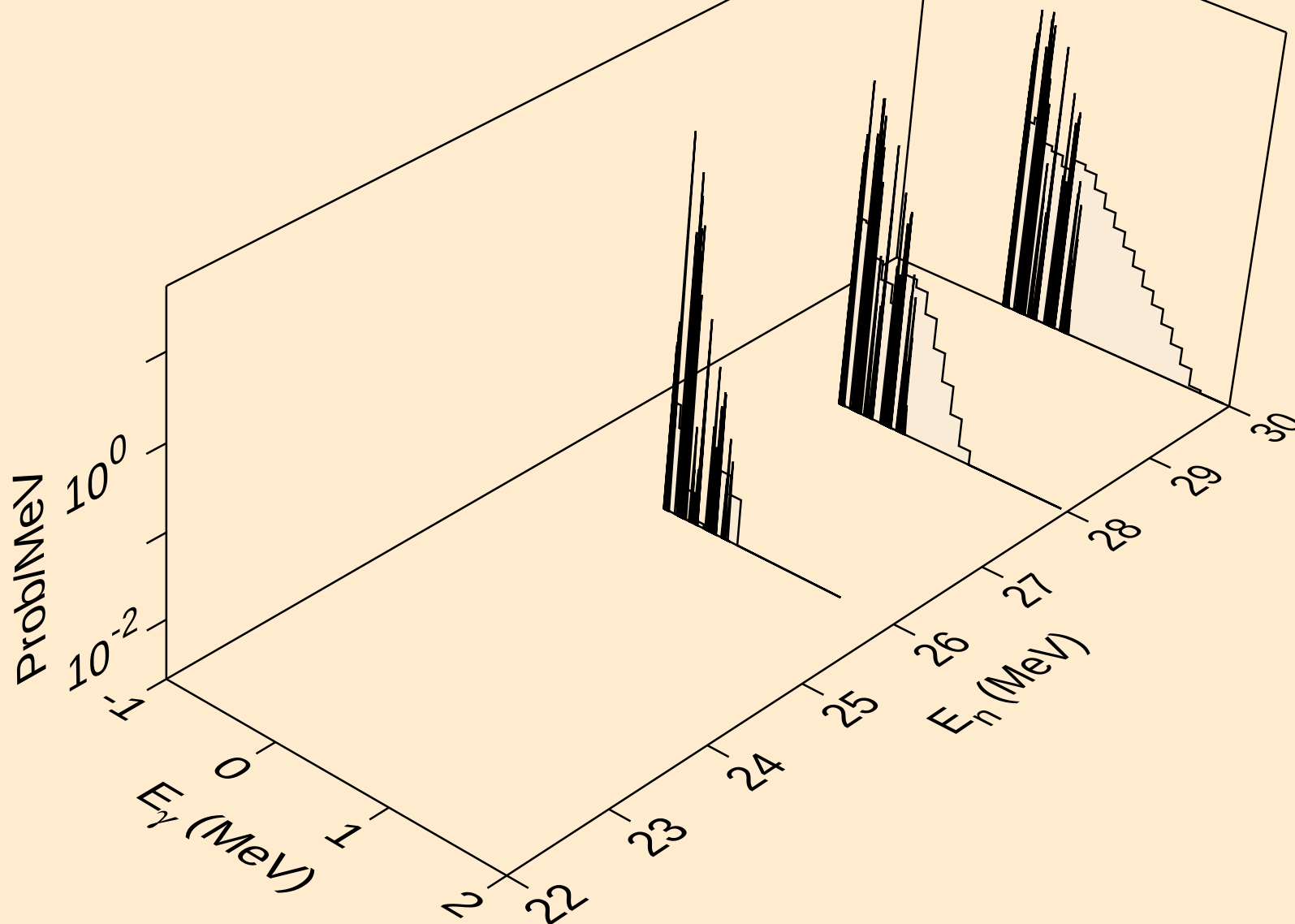
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)p

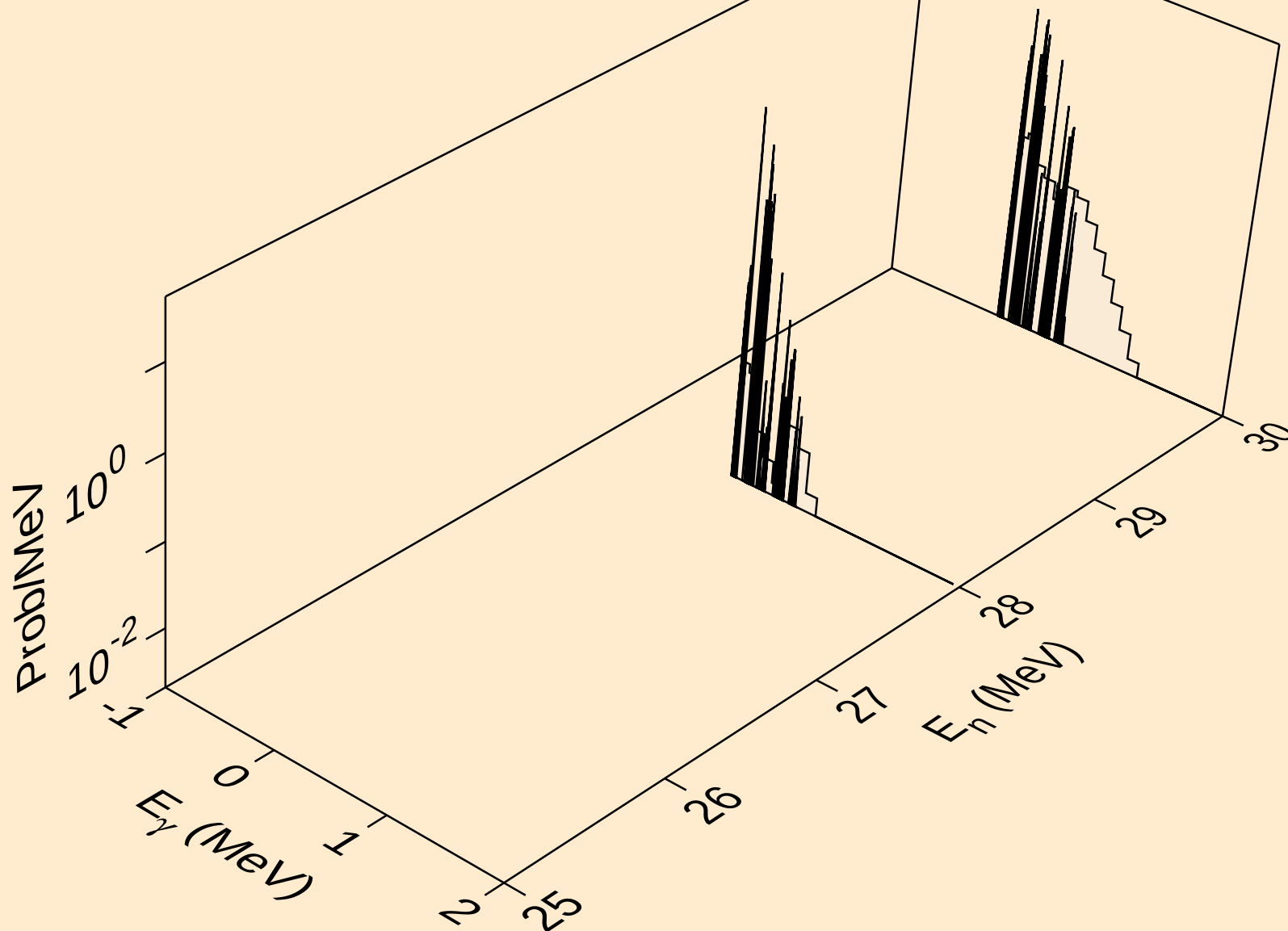


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

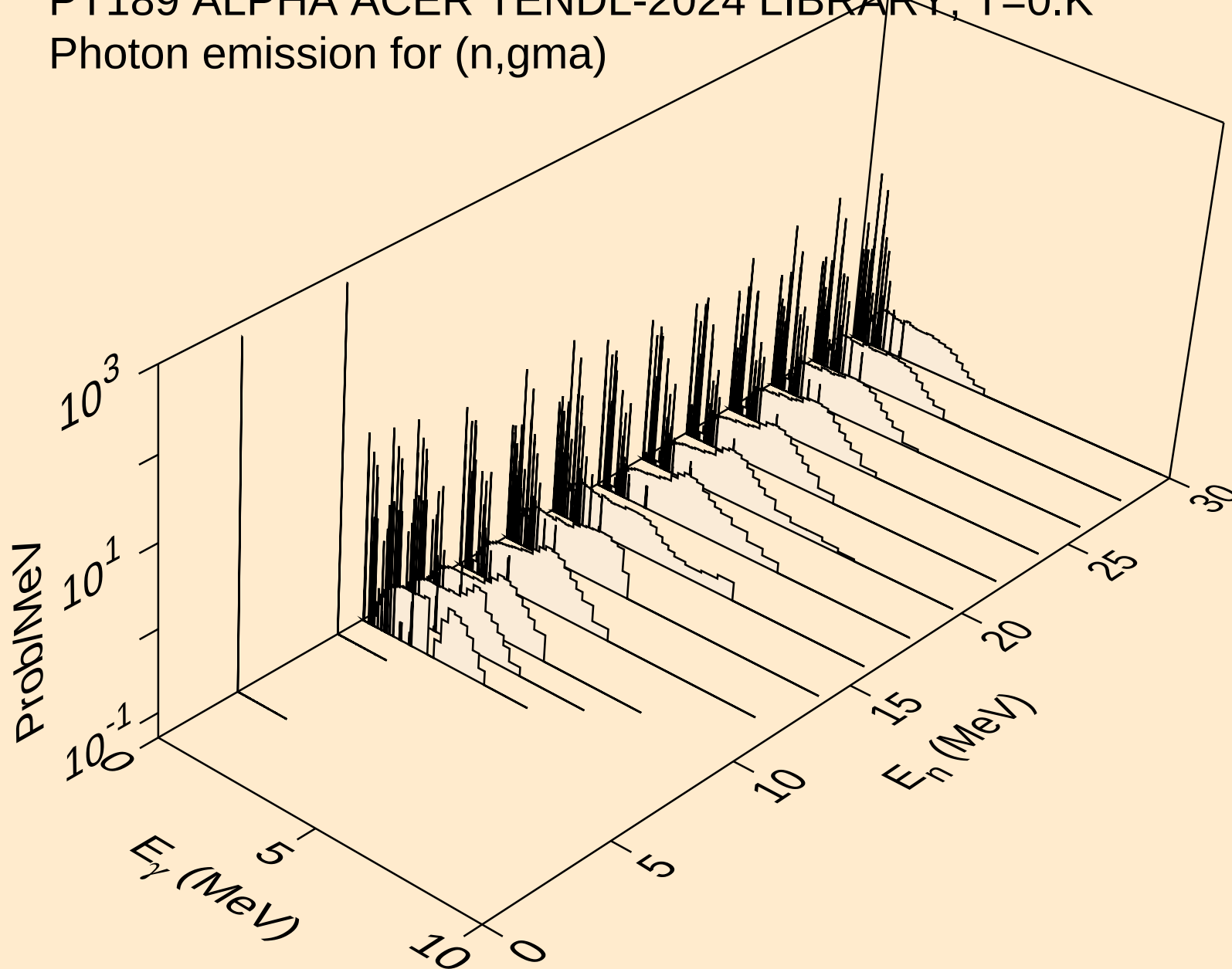
Photon emission for (n,n*)d



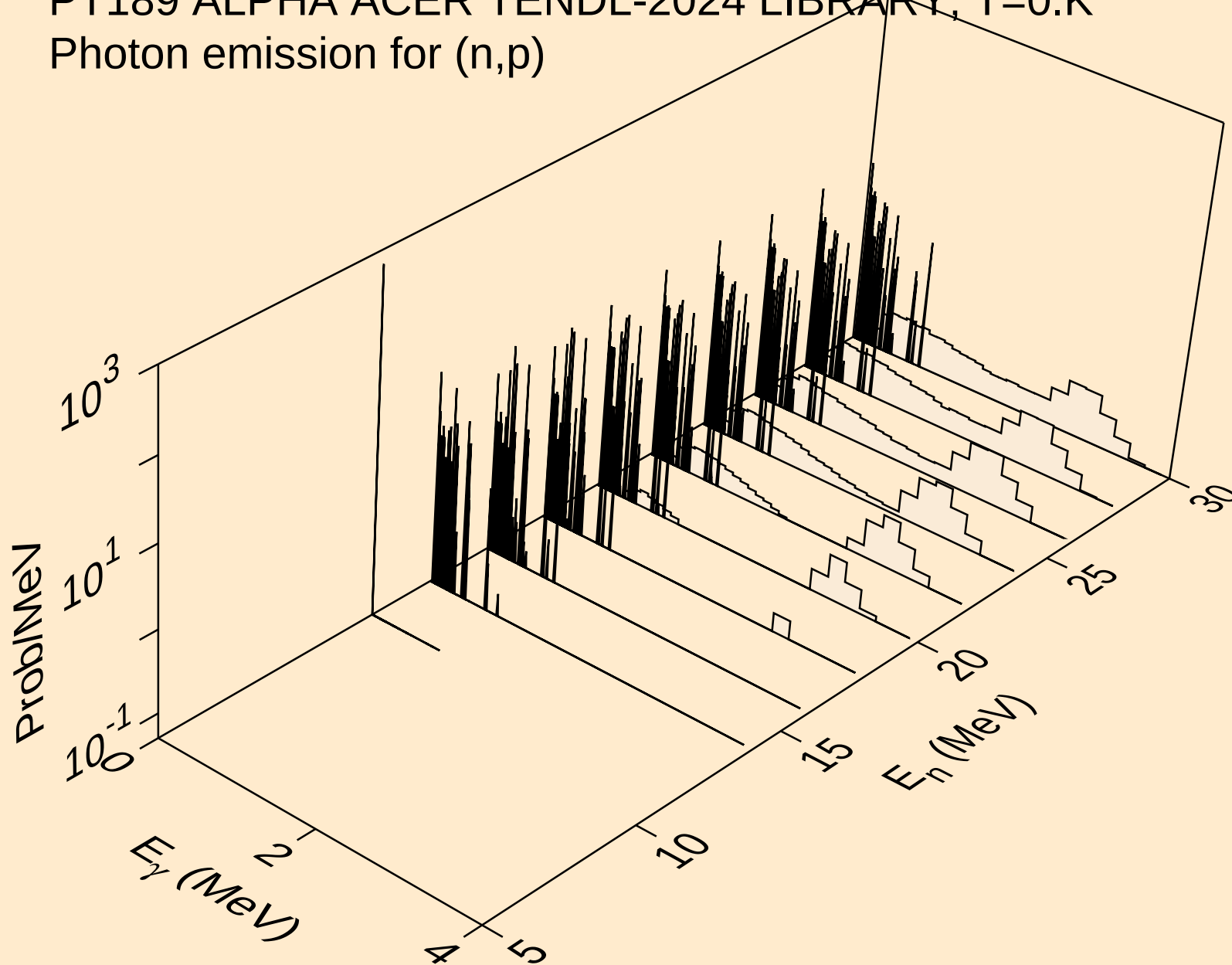
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)

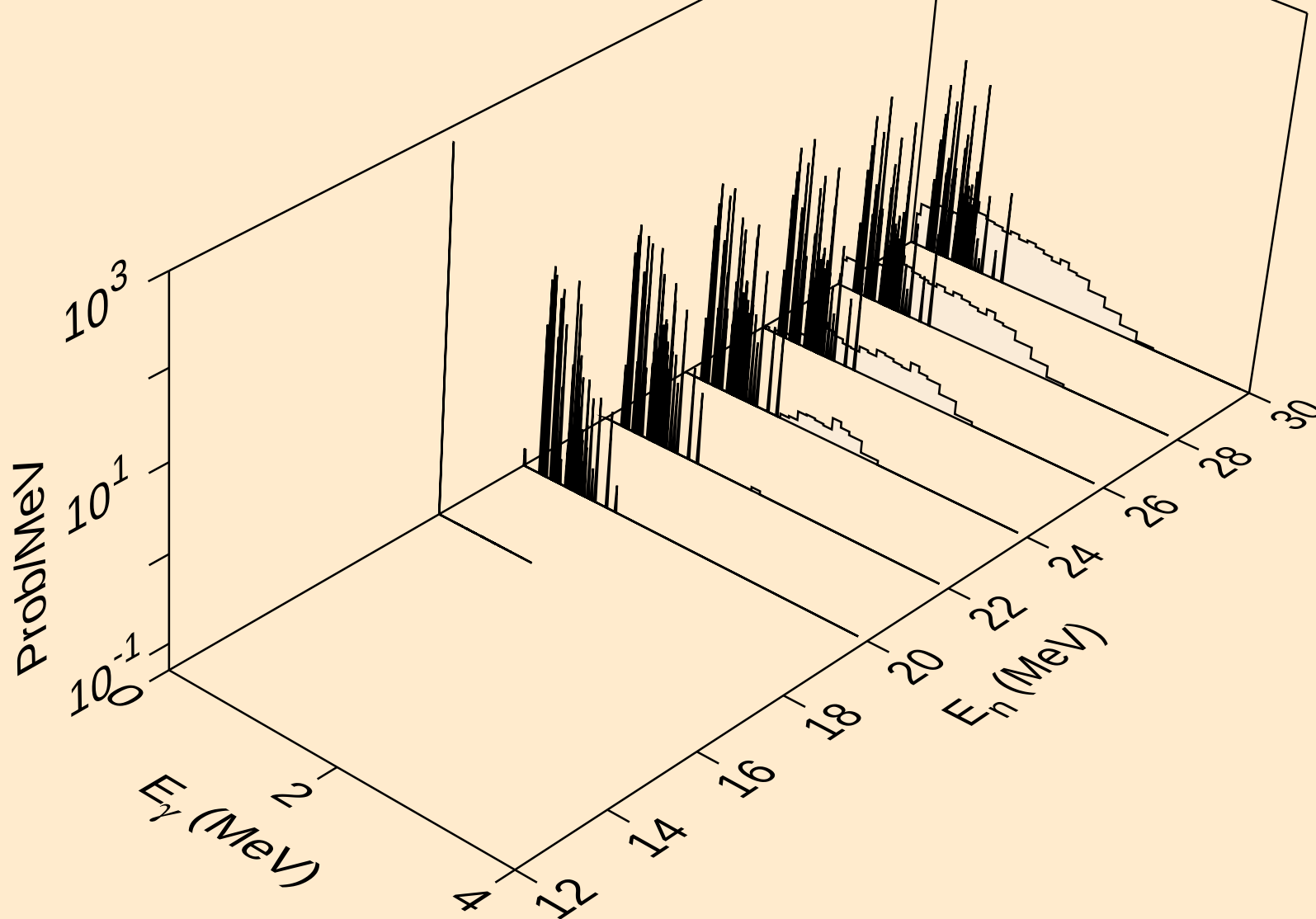


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



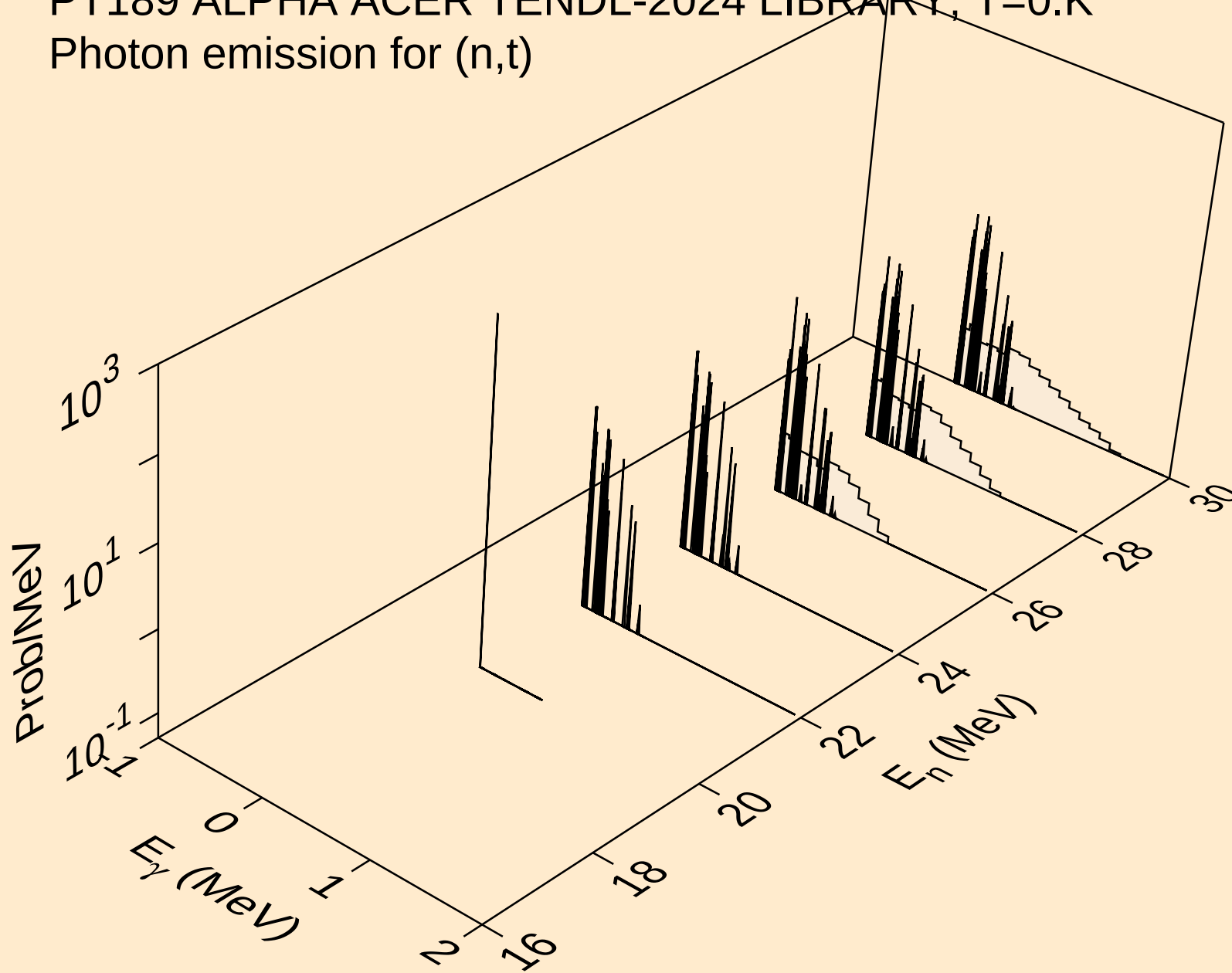
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,d)

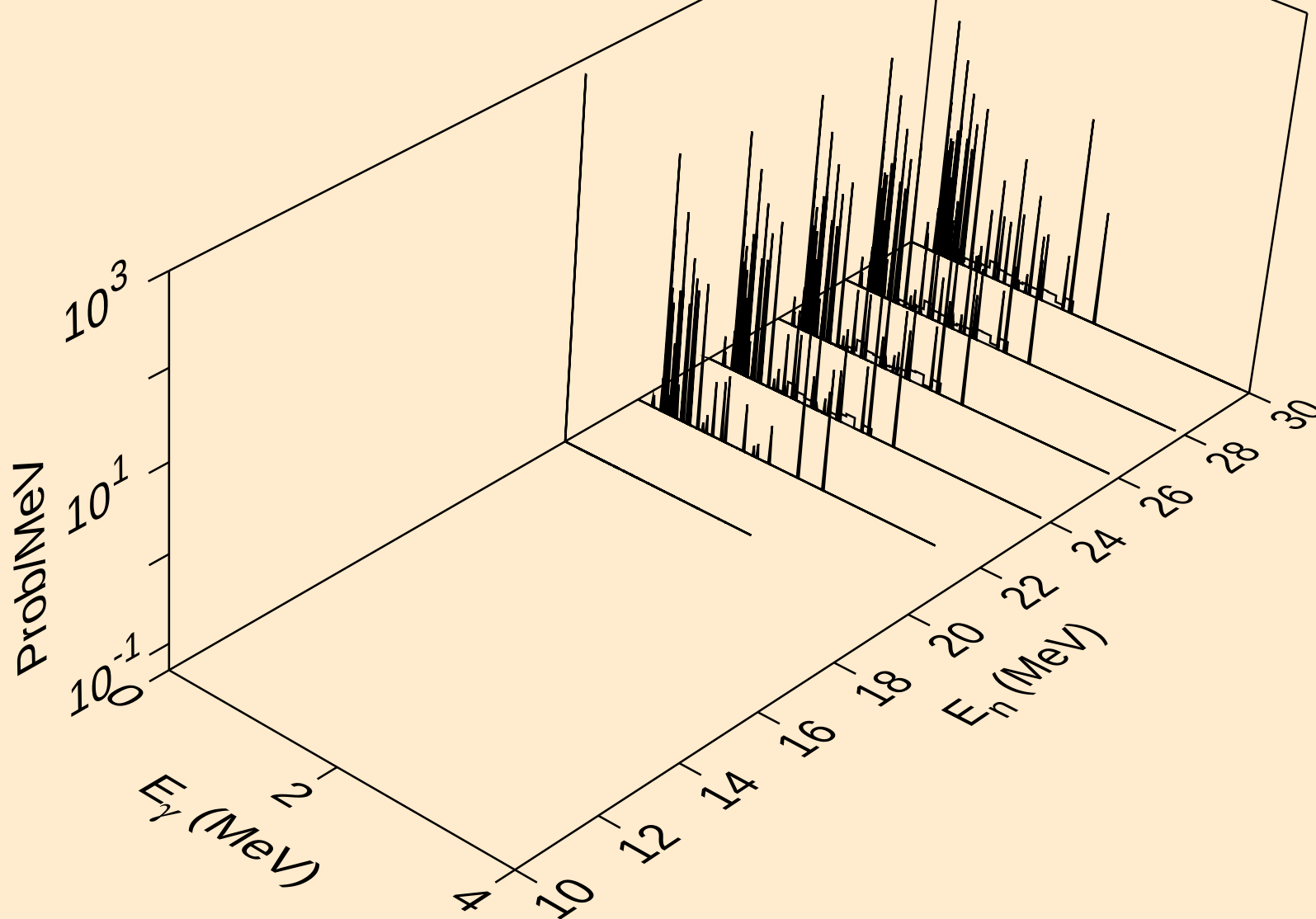


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

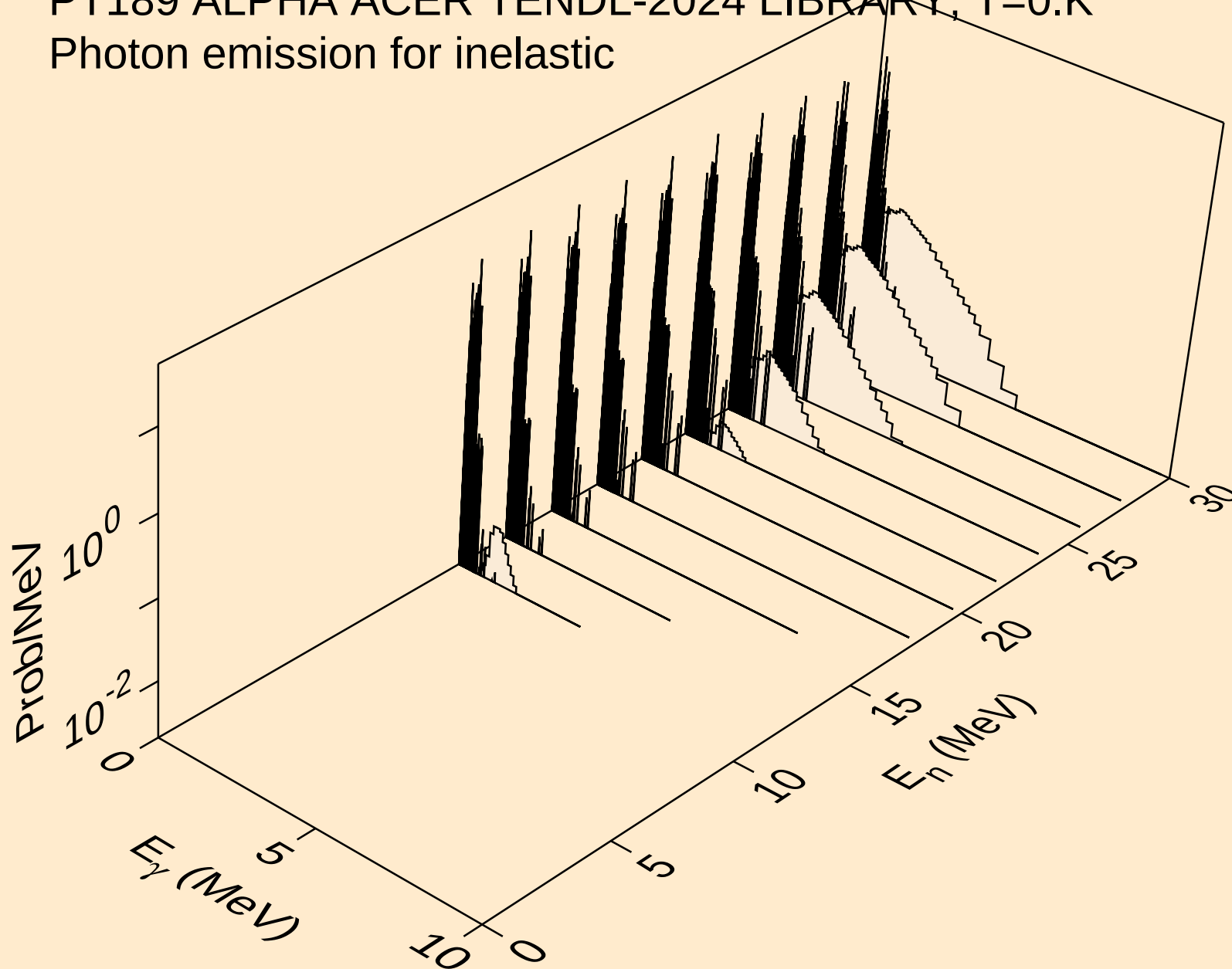
Photon emission for (n,t)



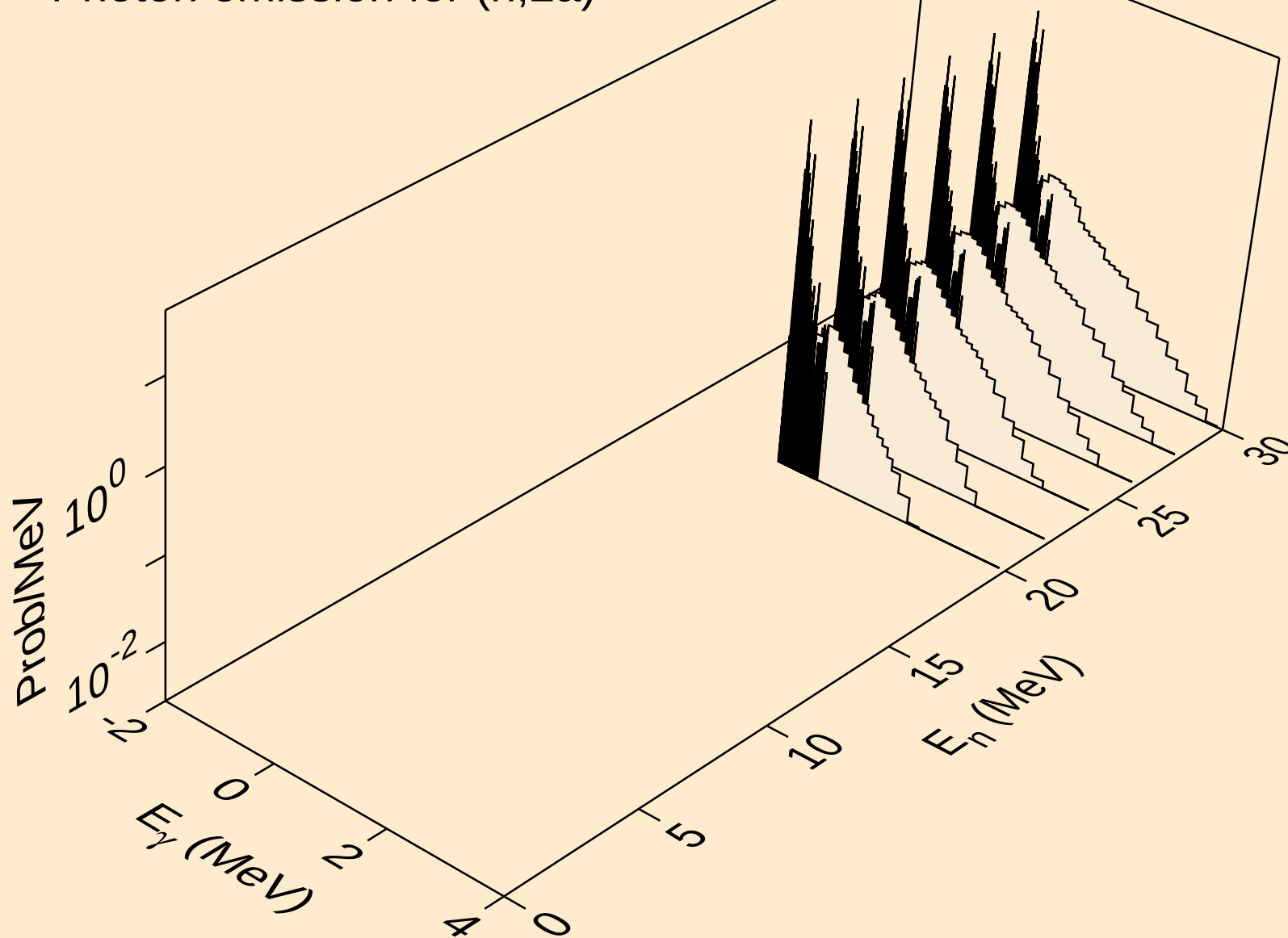
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for inelastic

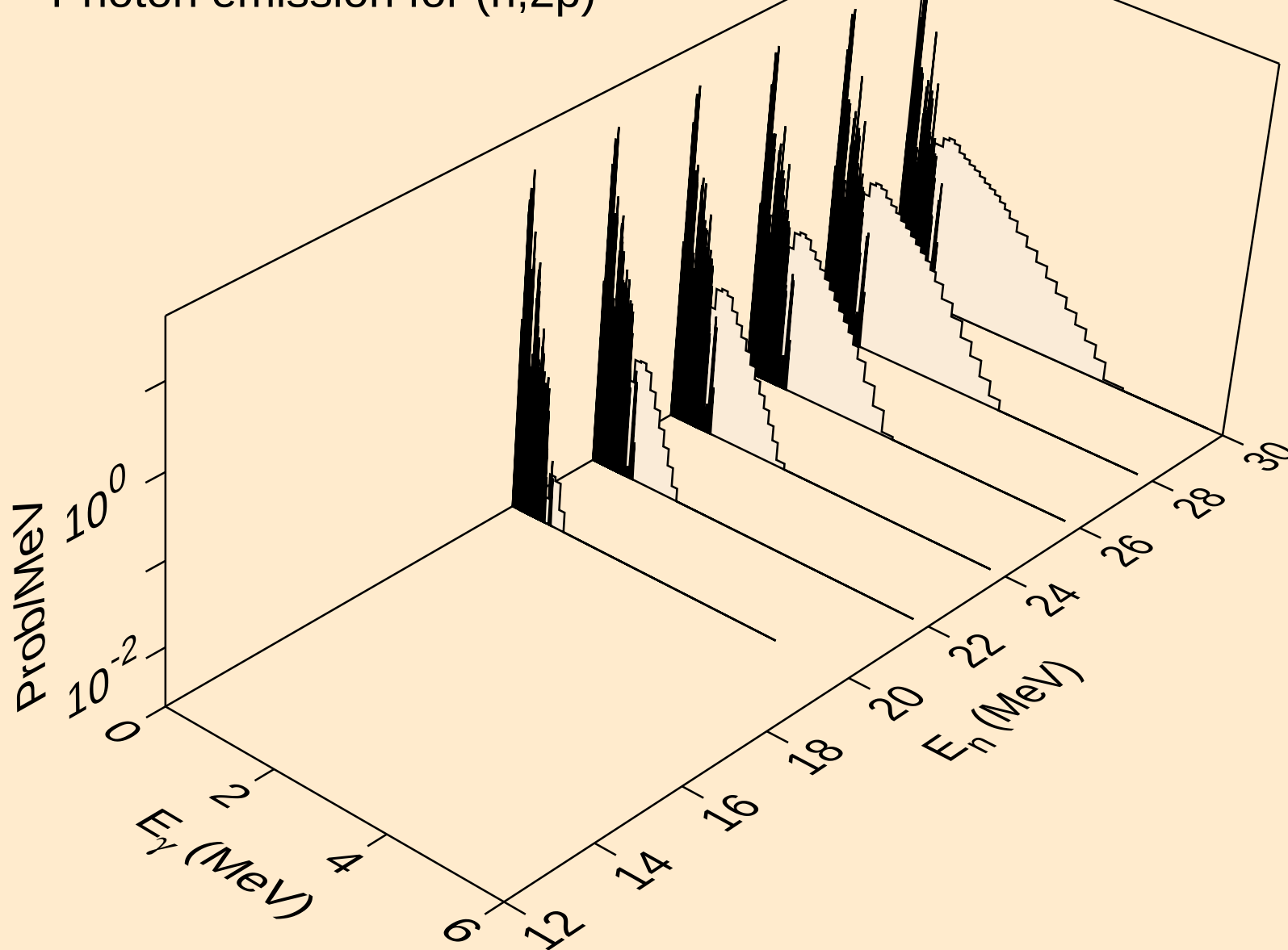


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



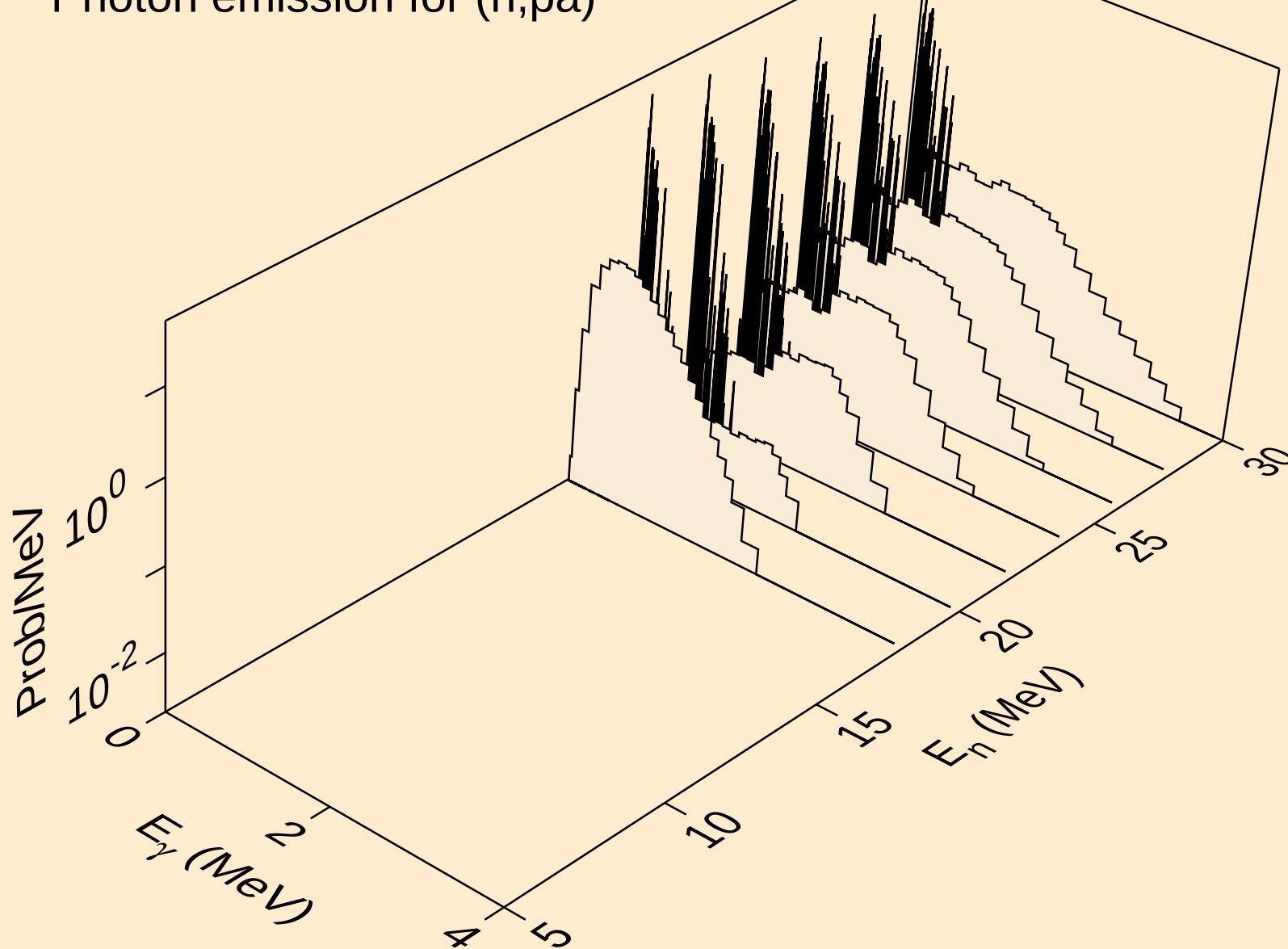
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2p)



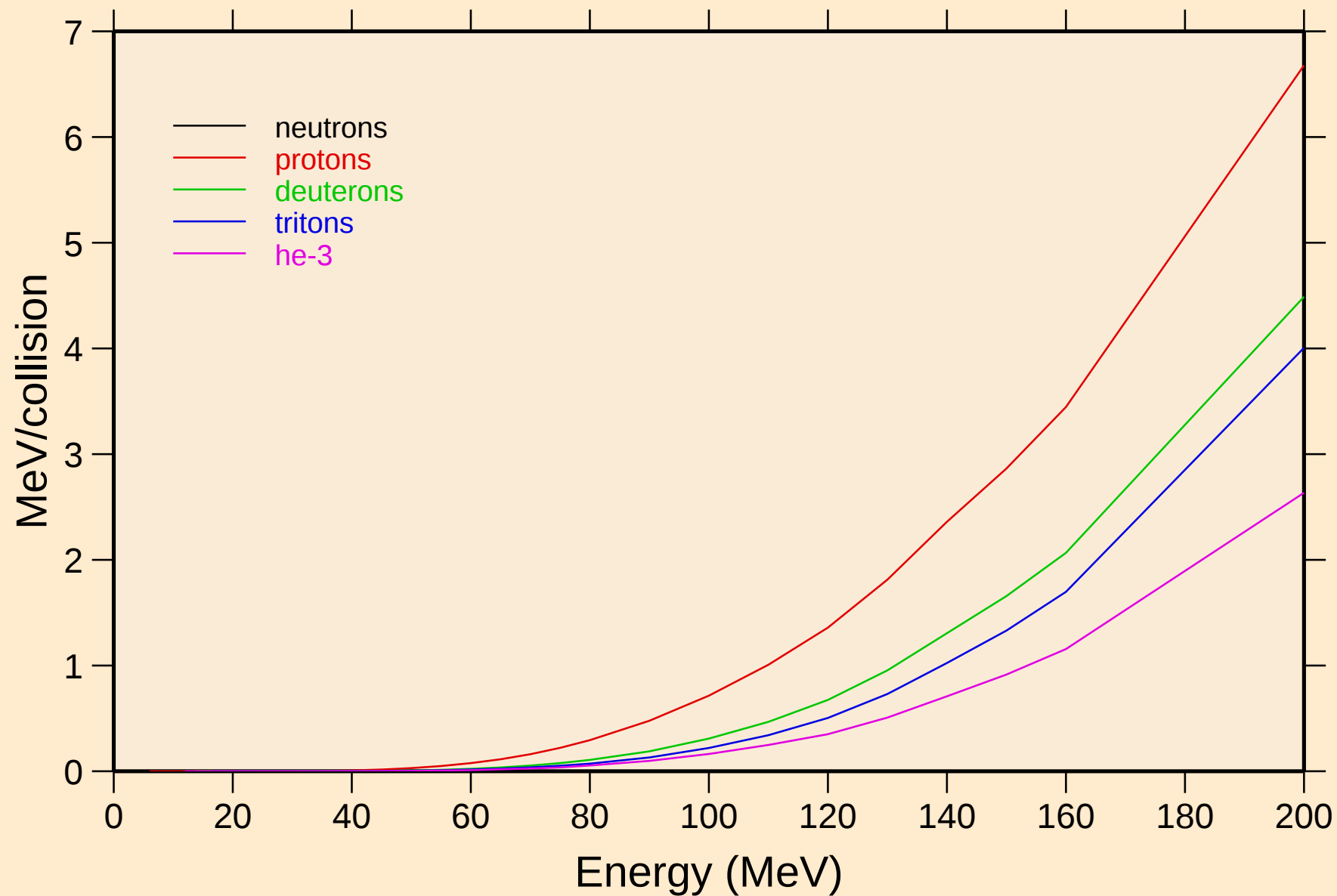
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pa)



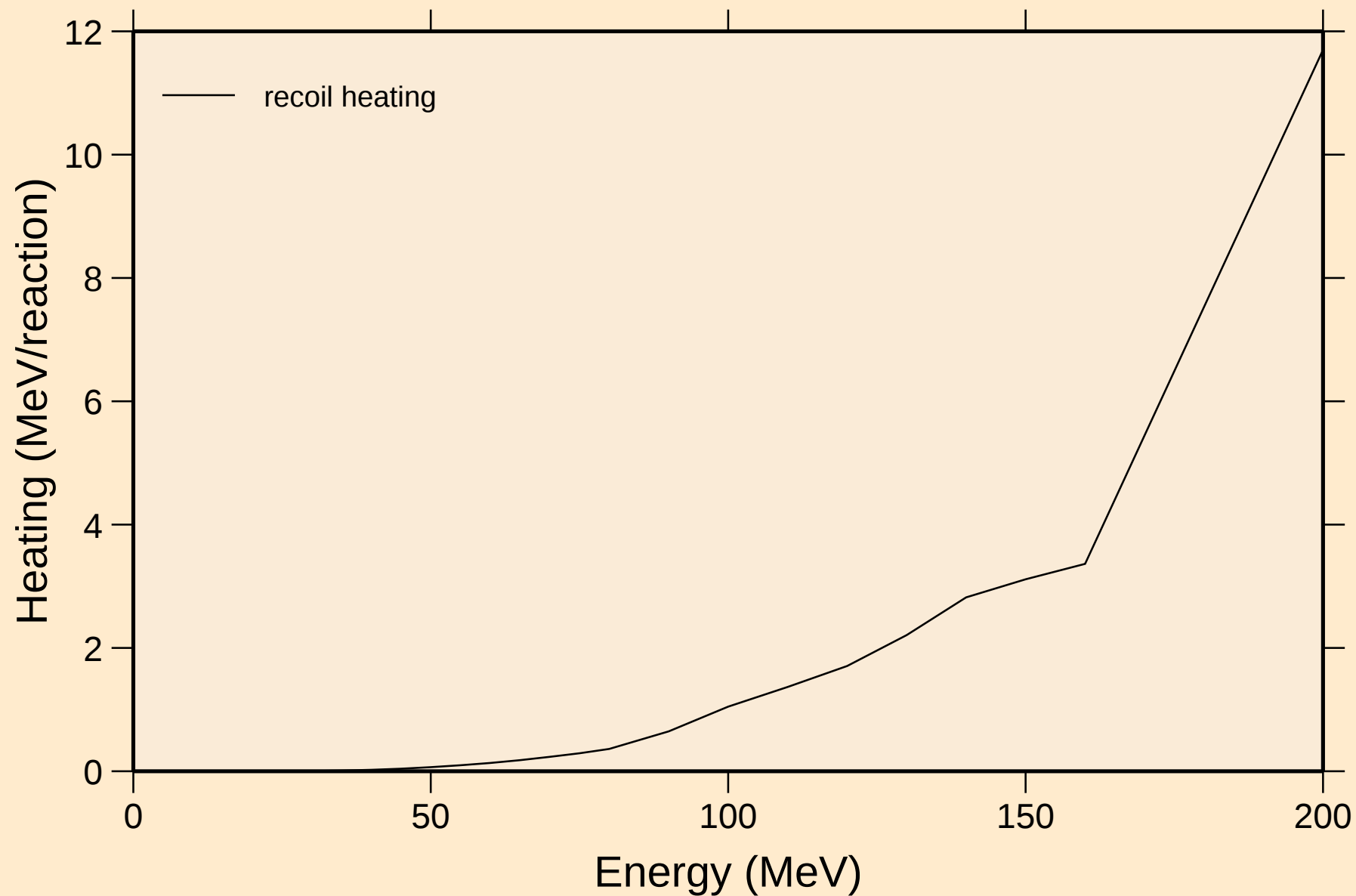
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions



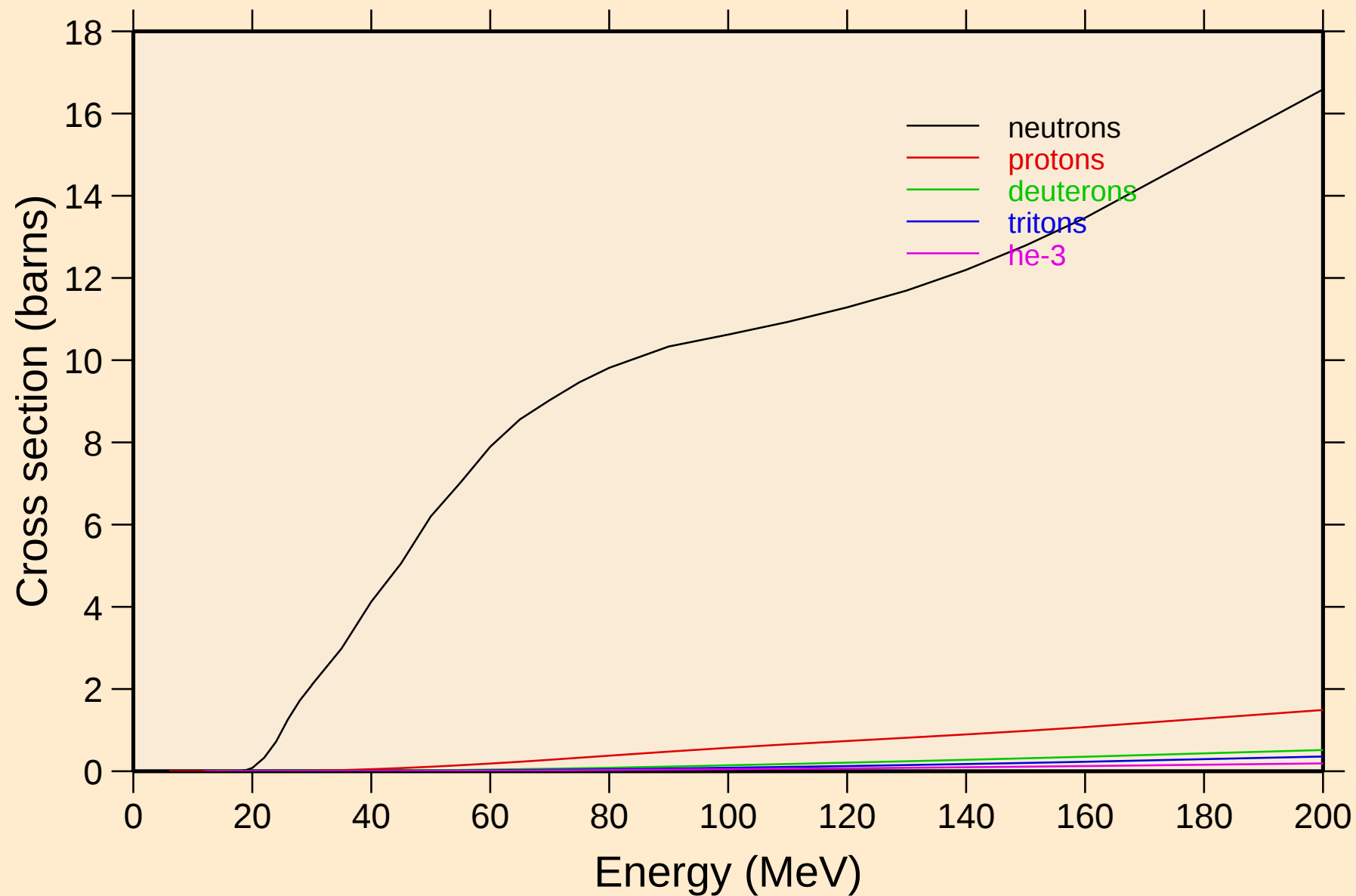
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

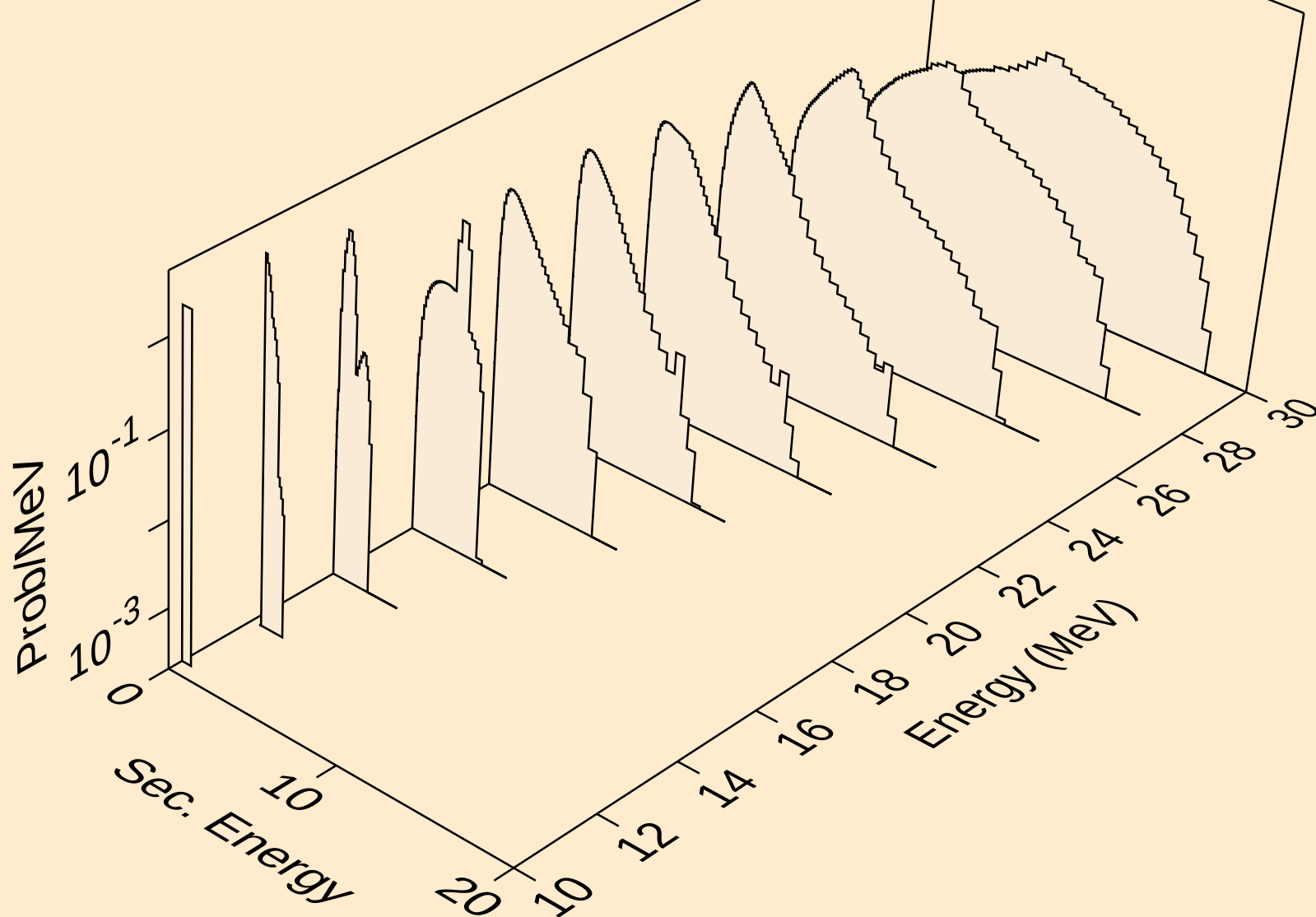


PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

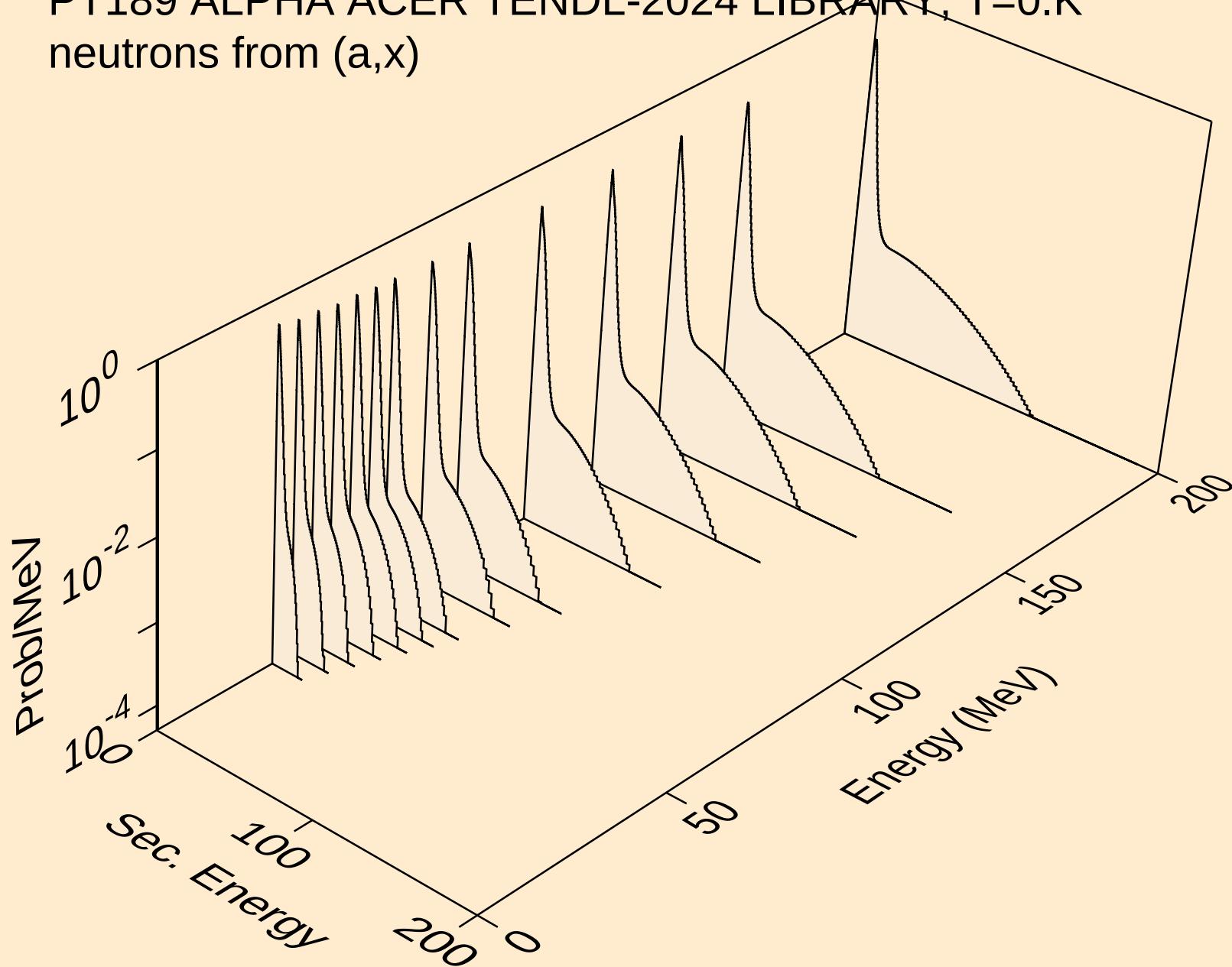
Particle production cross sections



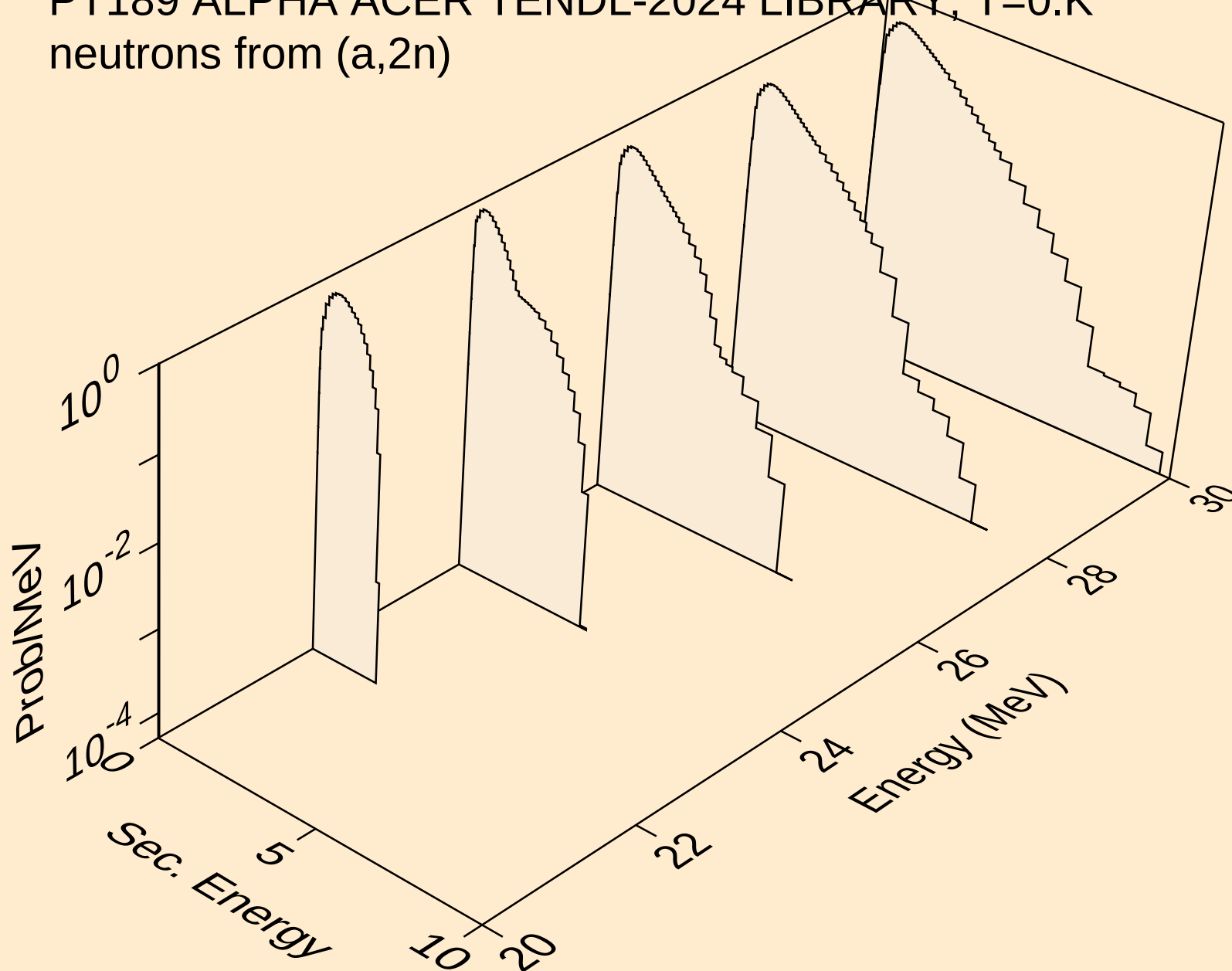
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n)



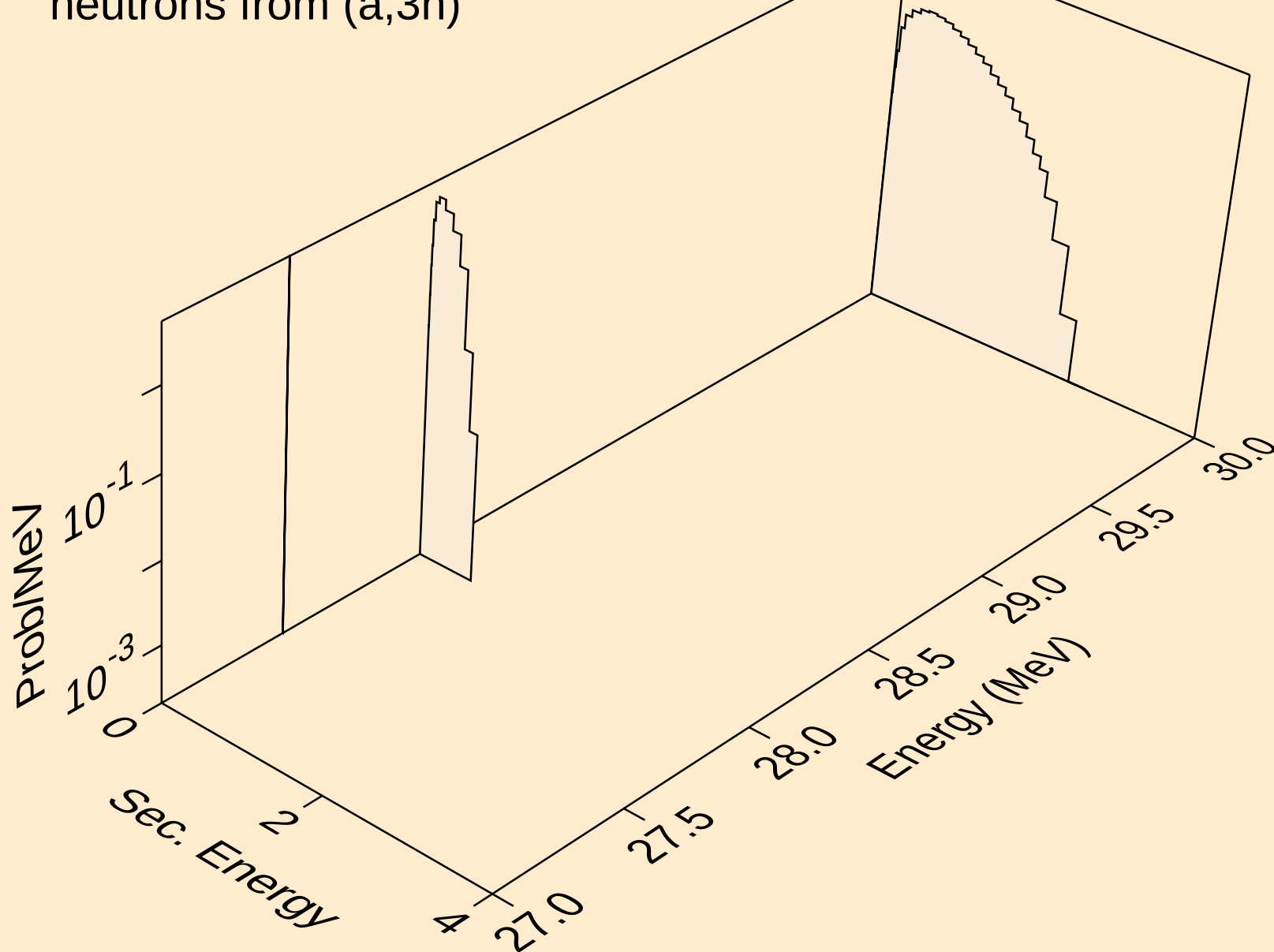
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,x)



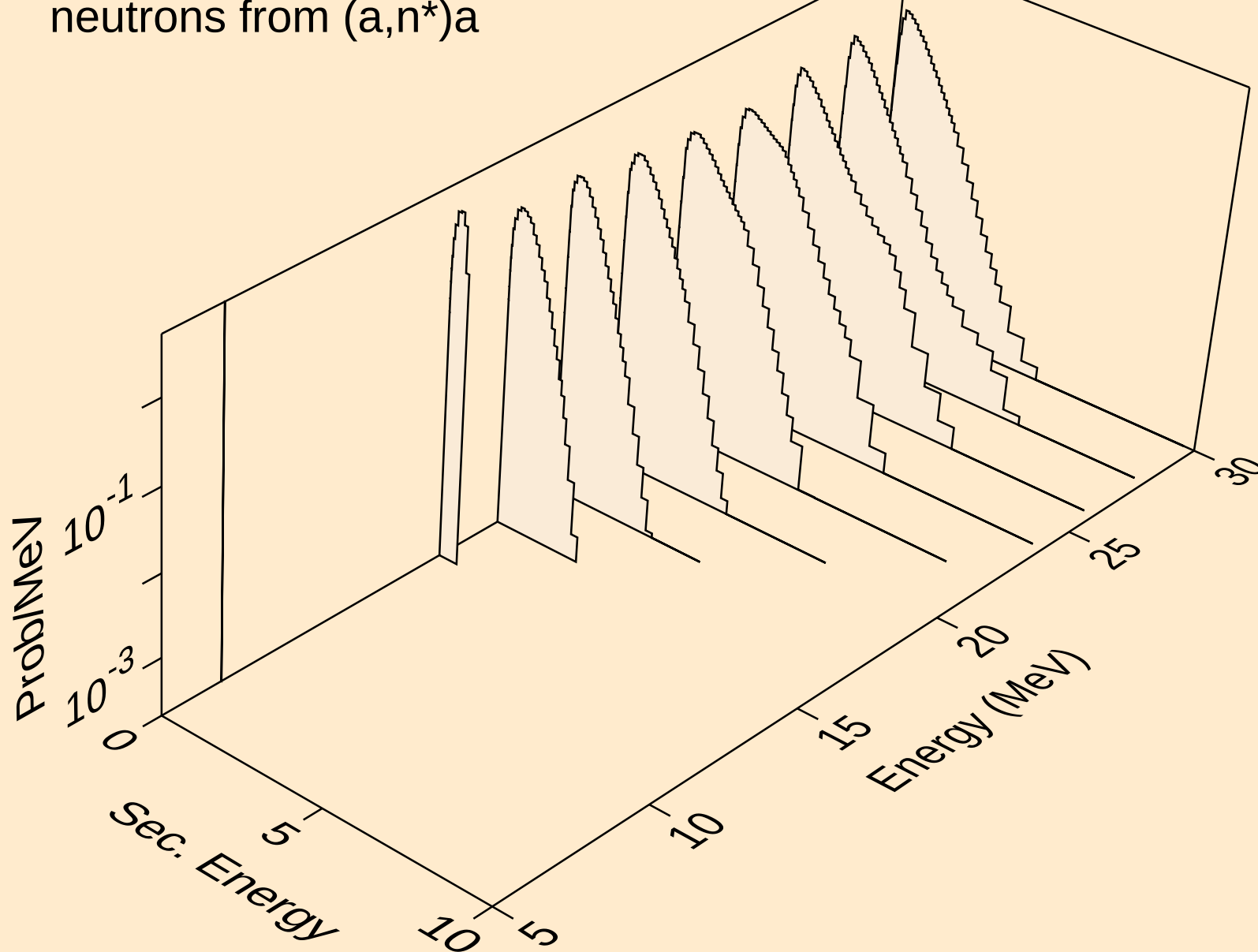
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,2n)



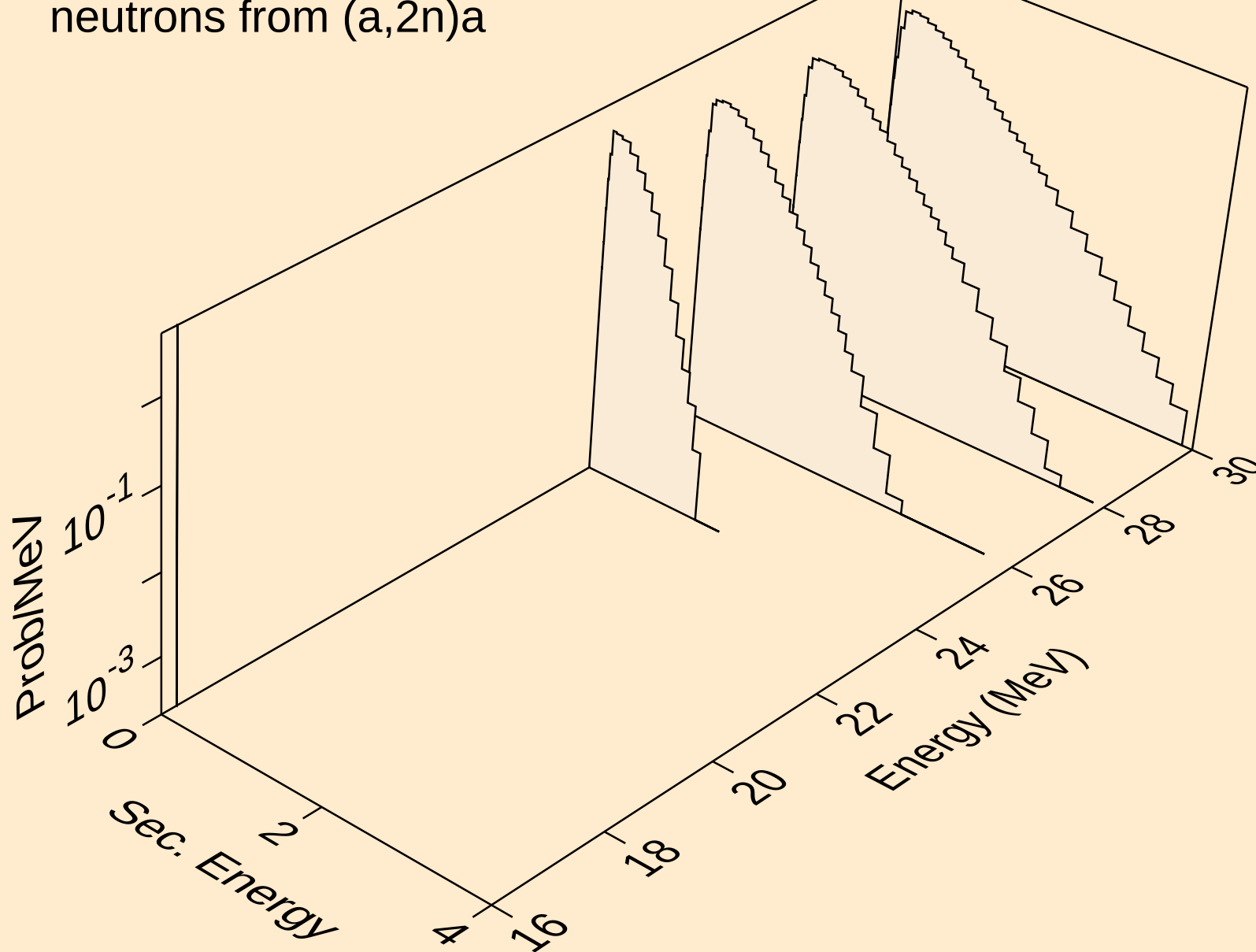
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,3n)



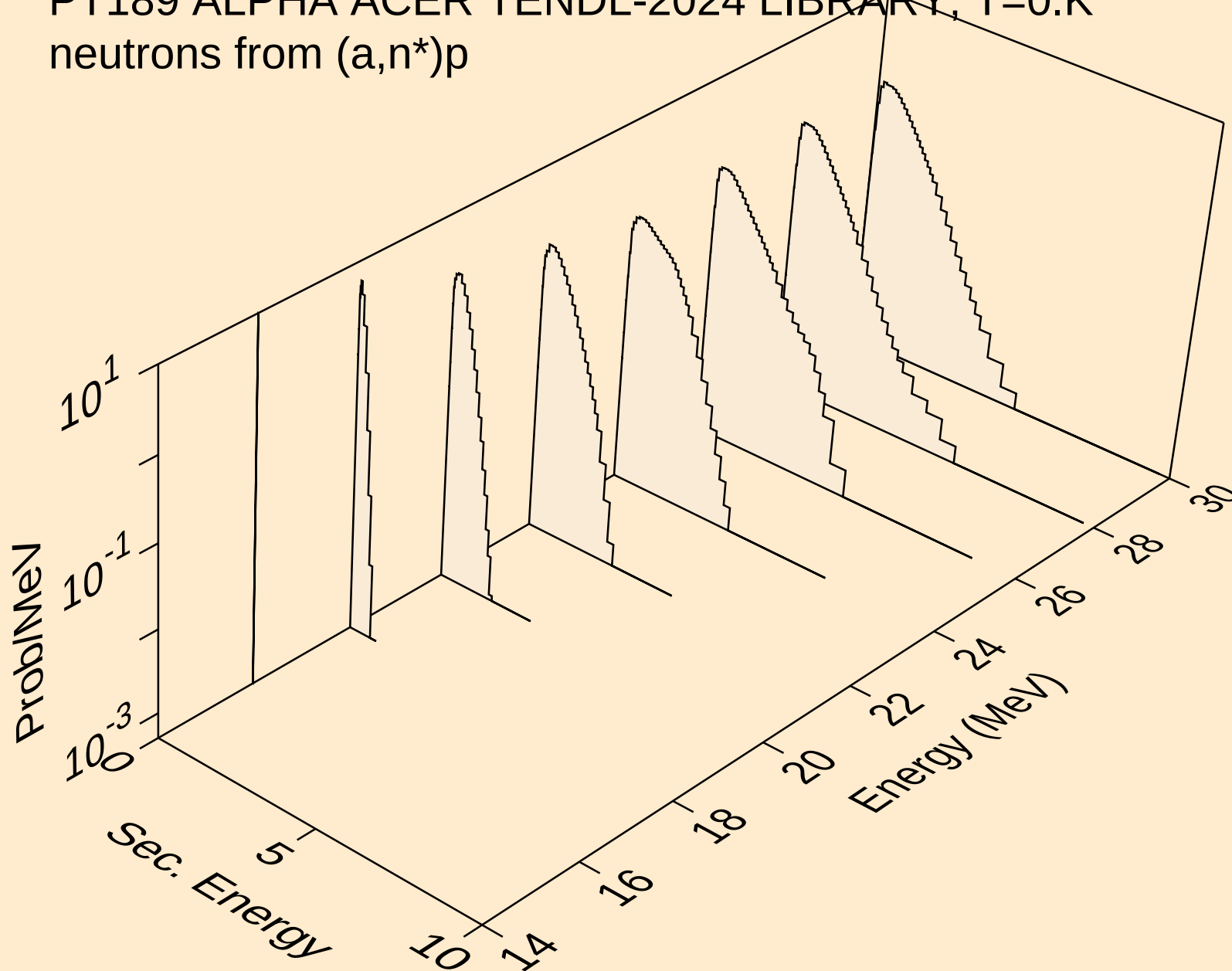
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n*)a



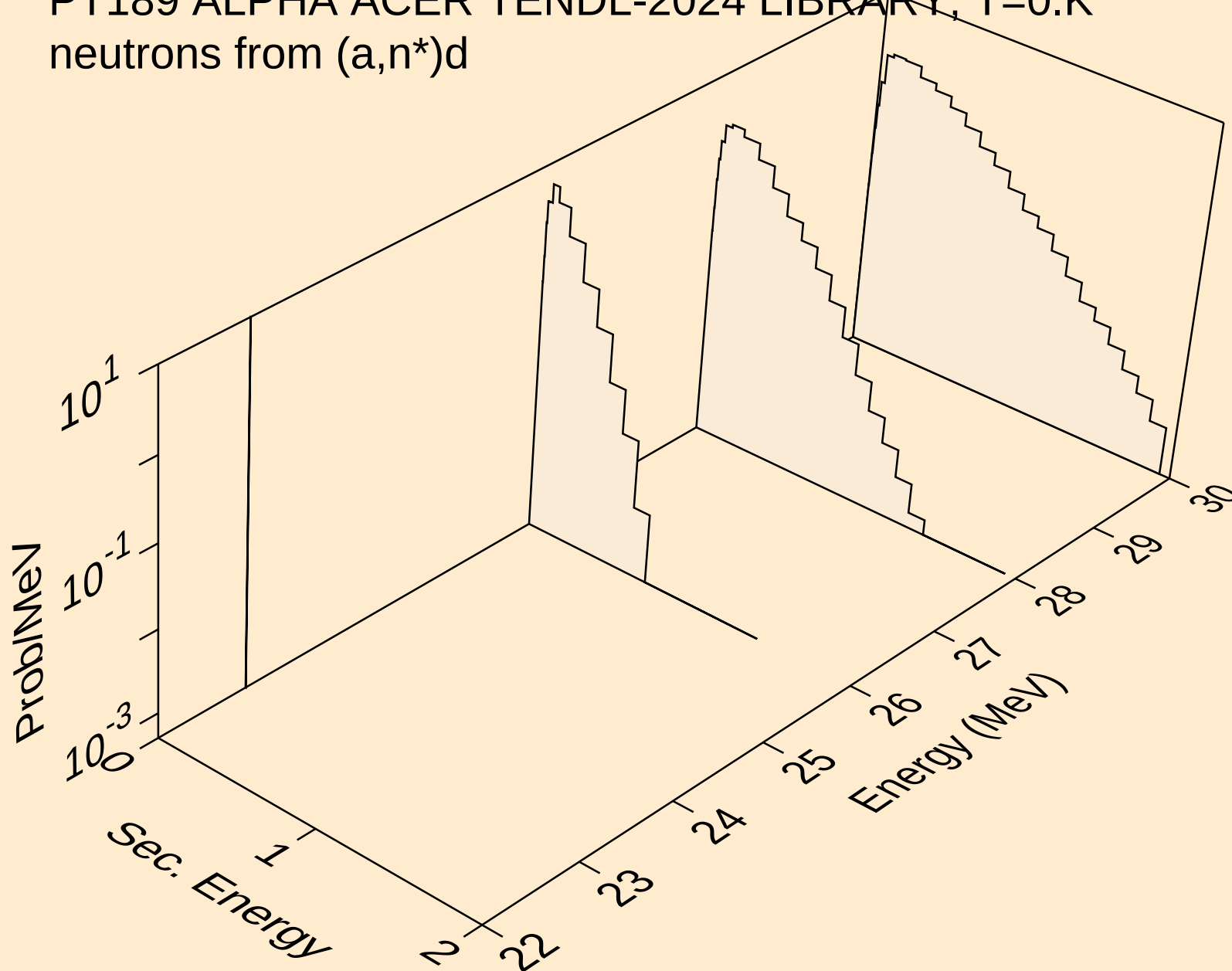
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,2n)a



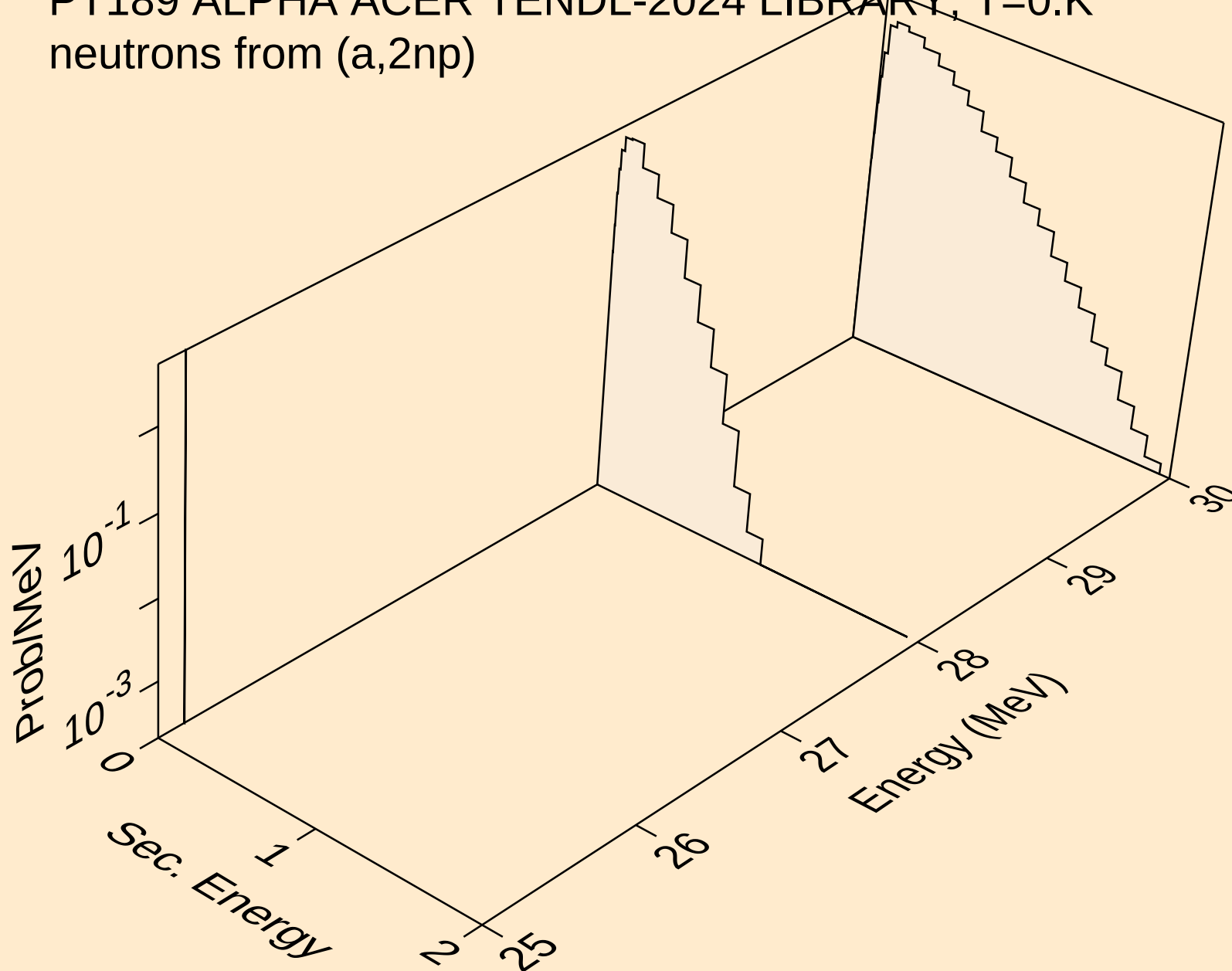
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n*)p



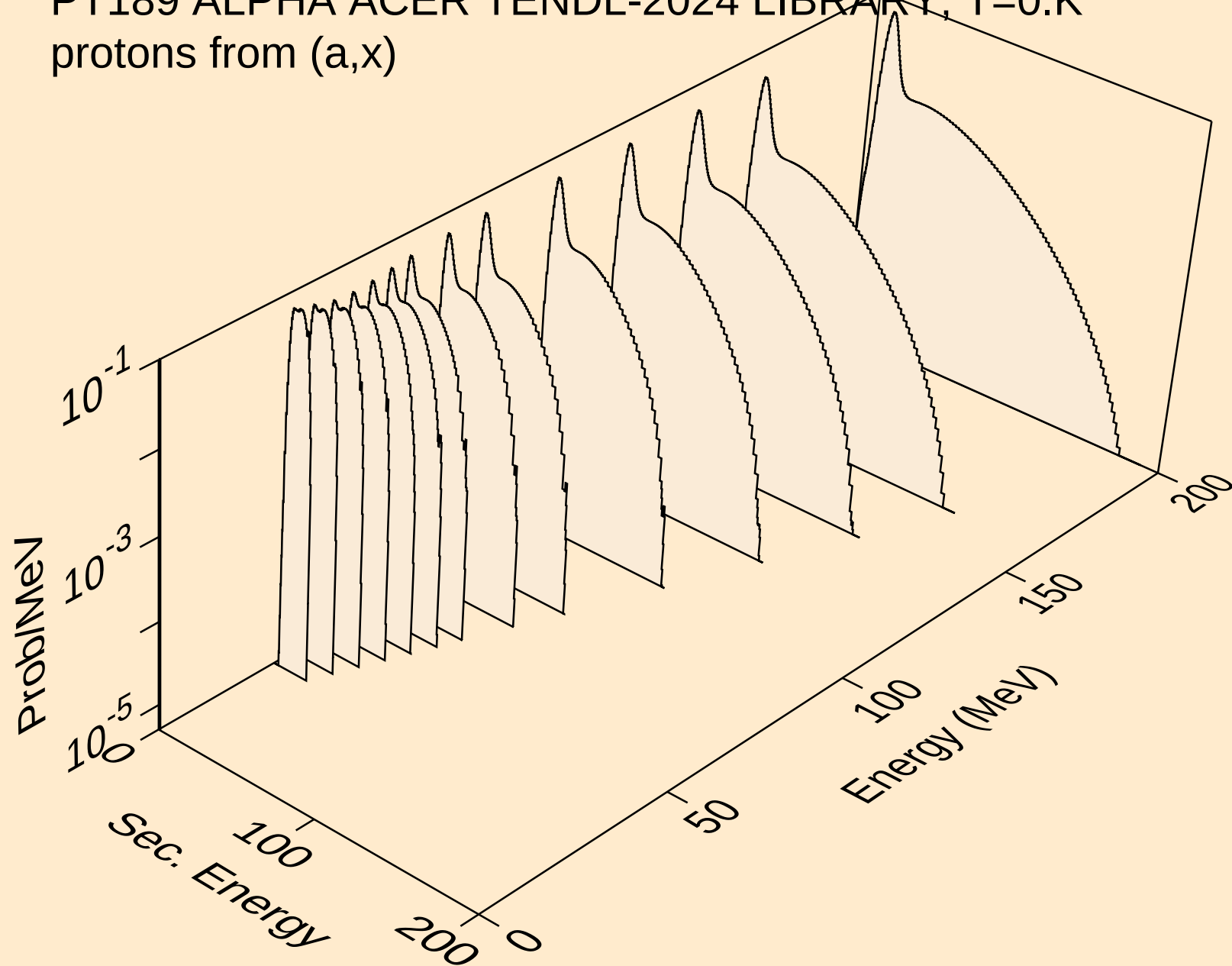
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n*)d



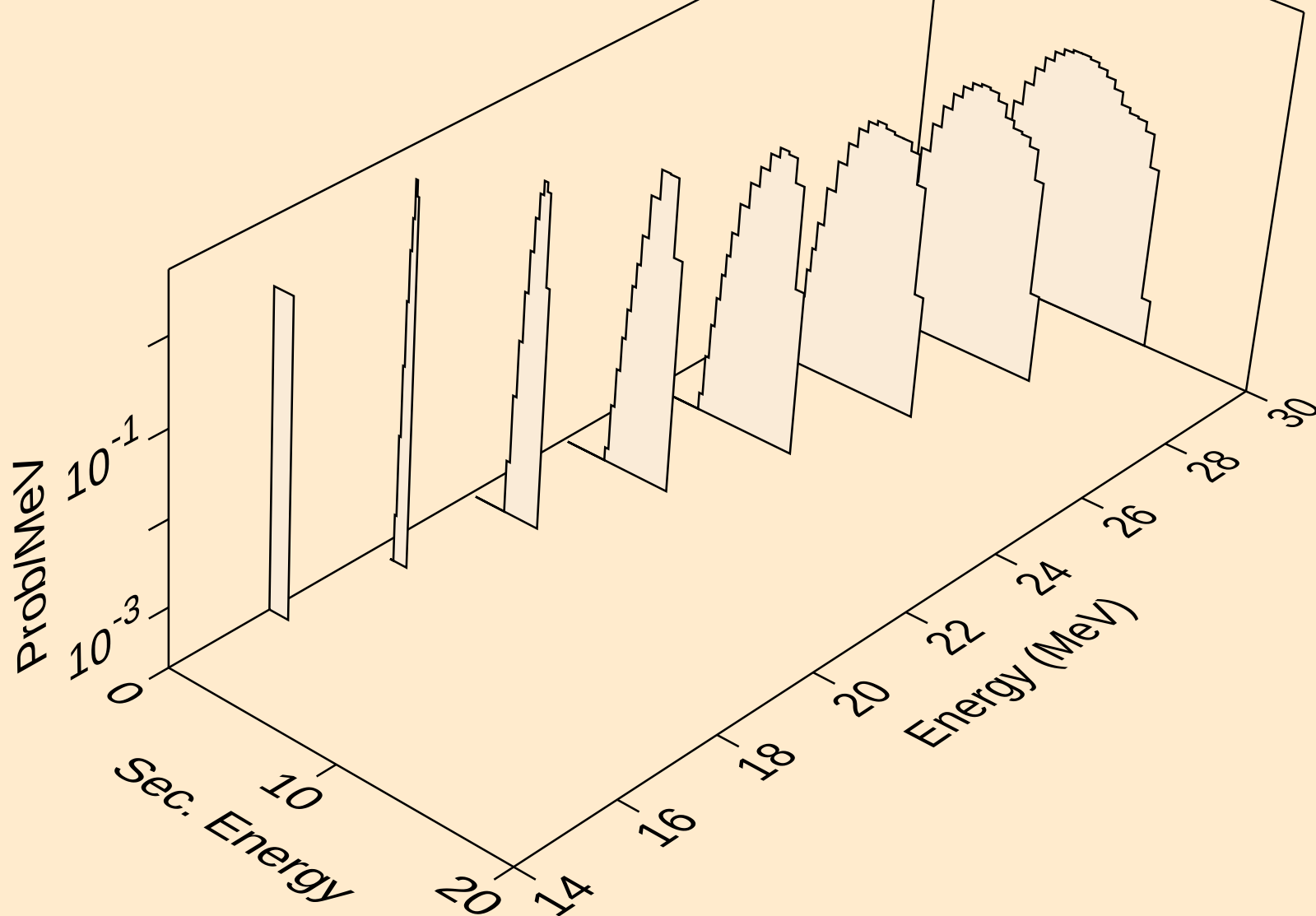
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,2np)



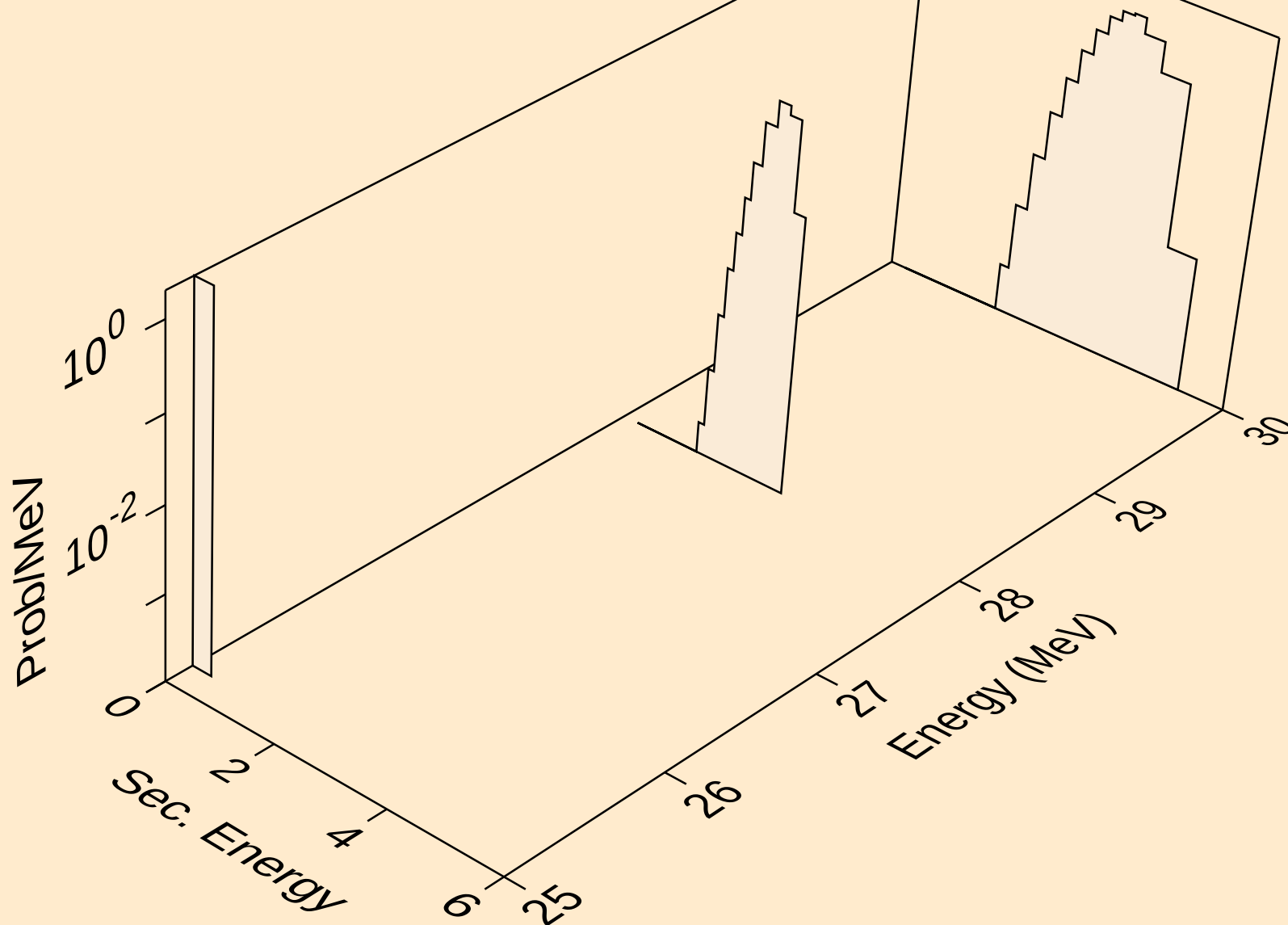
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
protons from (a,x)



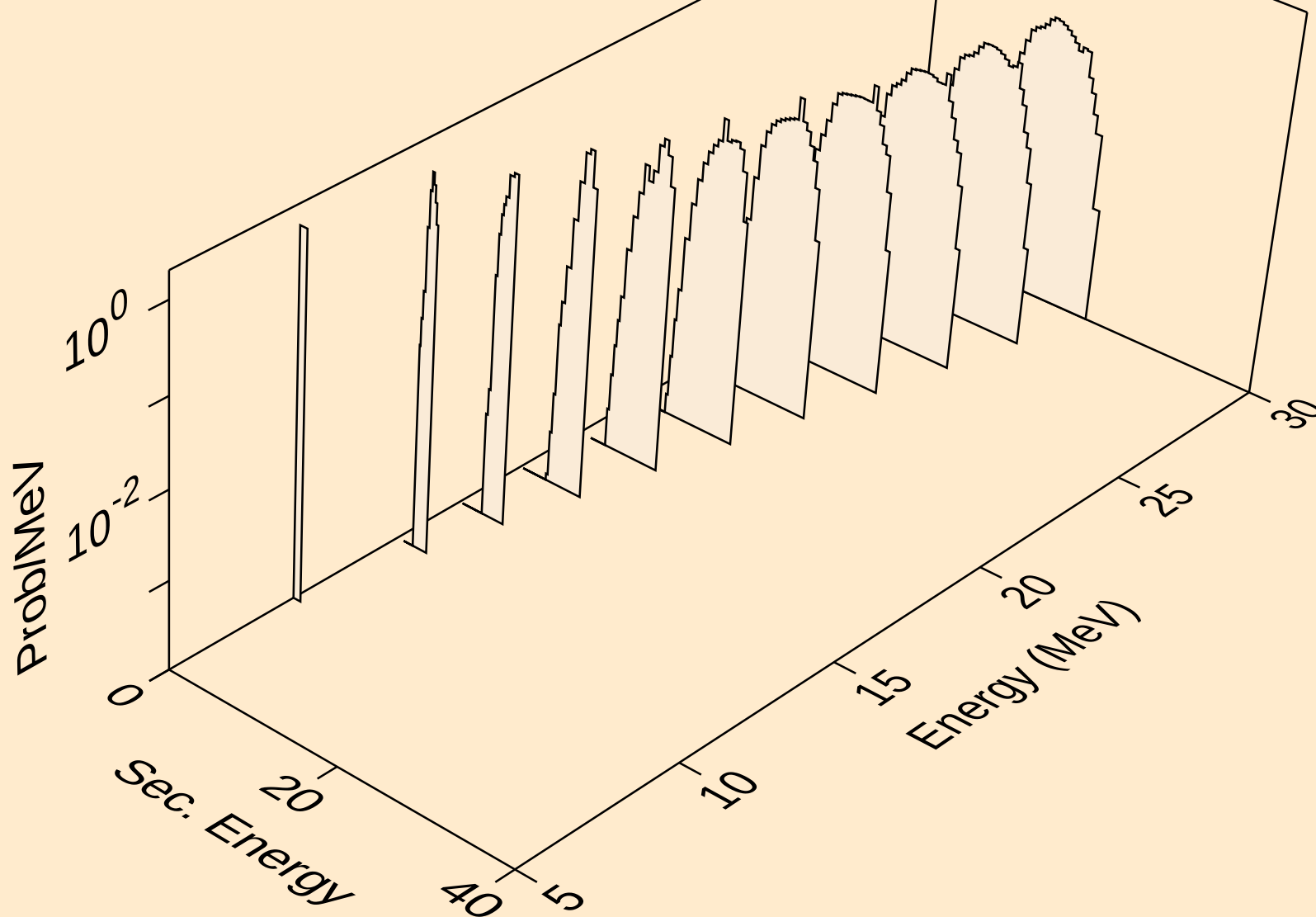
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
protons from (a,n*)p



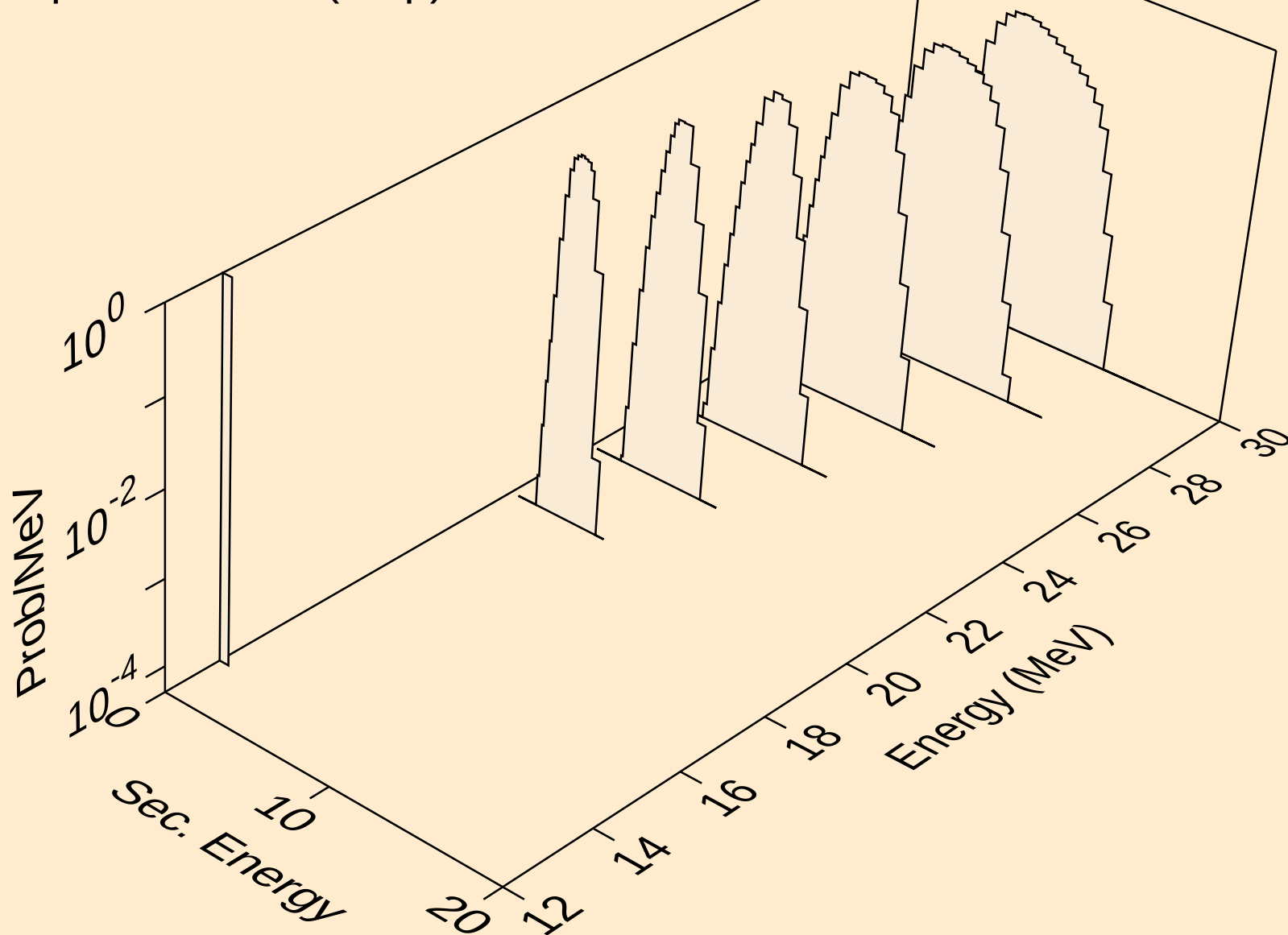
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protons from (a,2np)



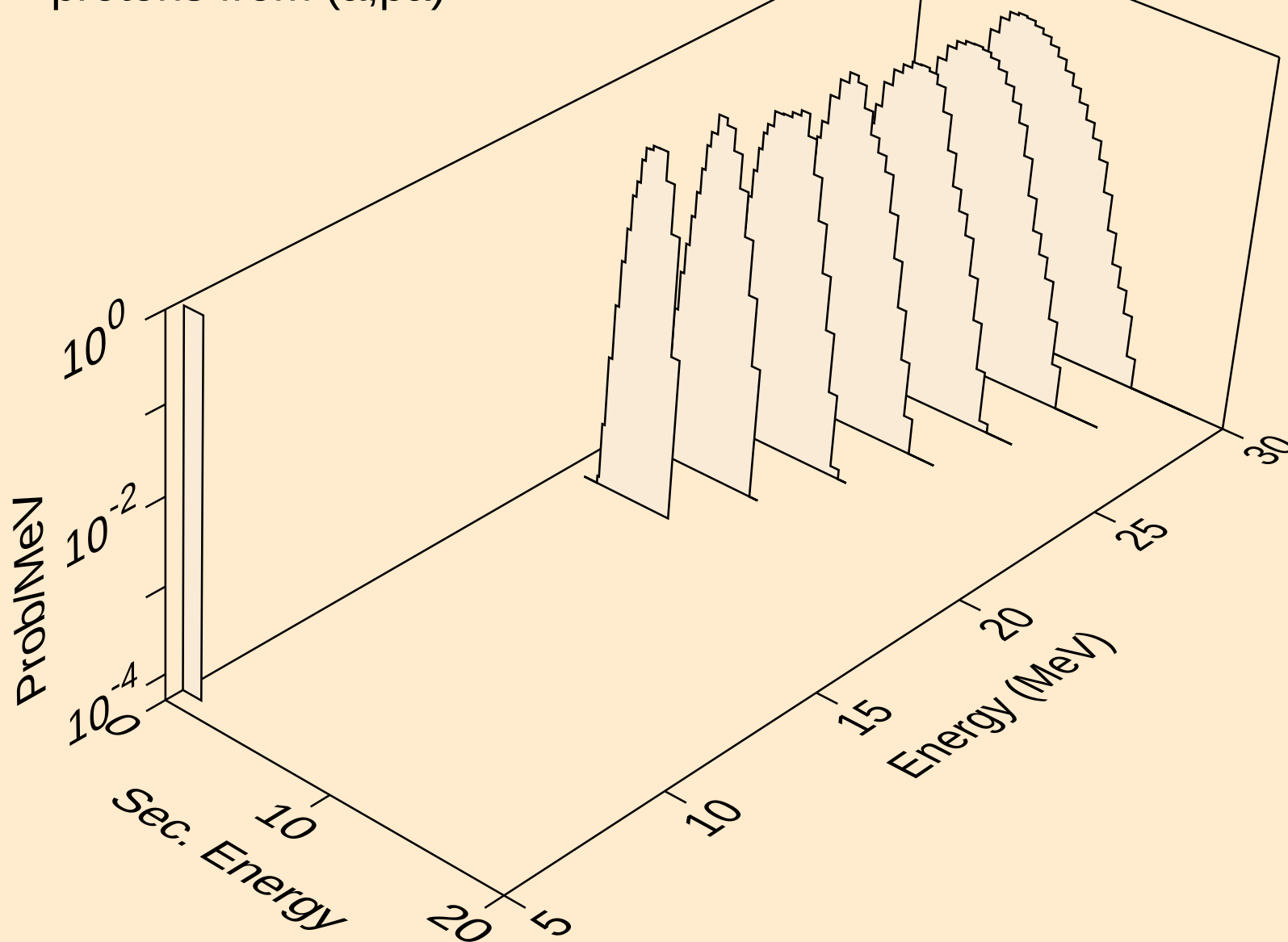
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
protons from (a,p)



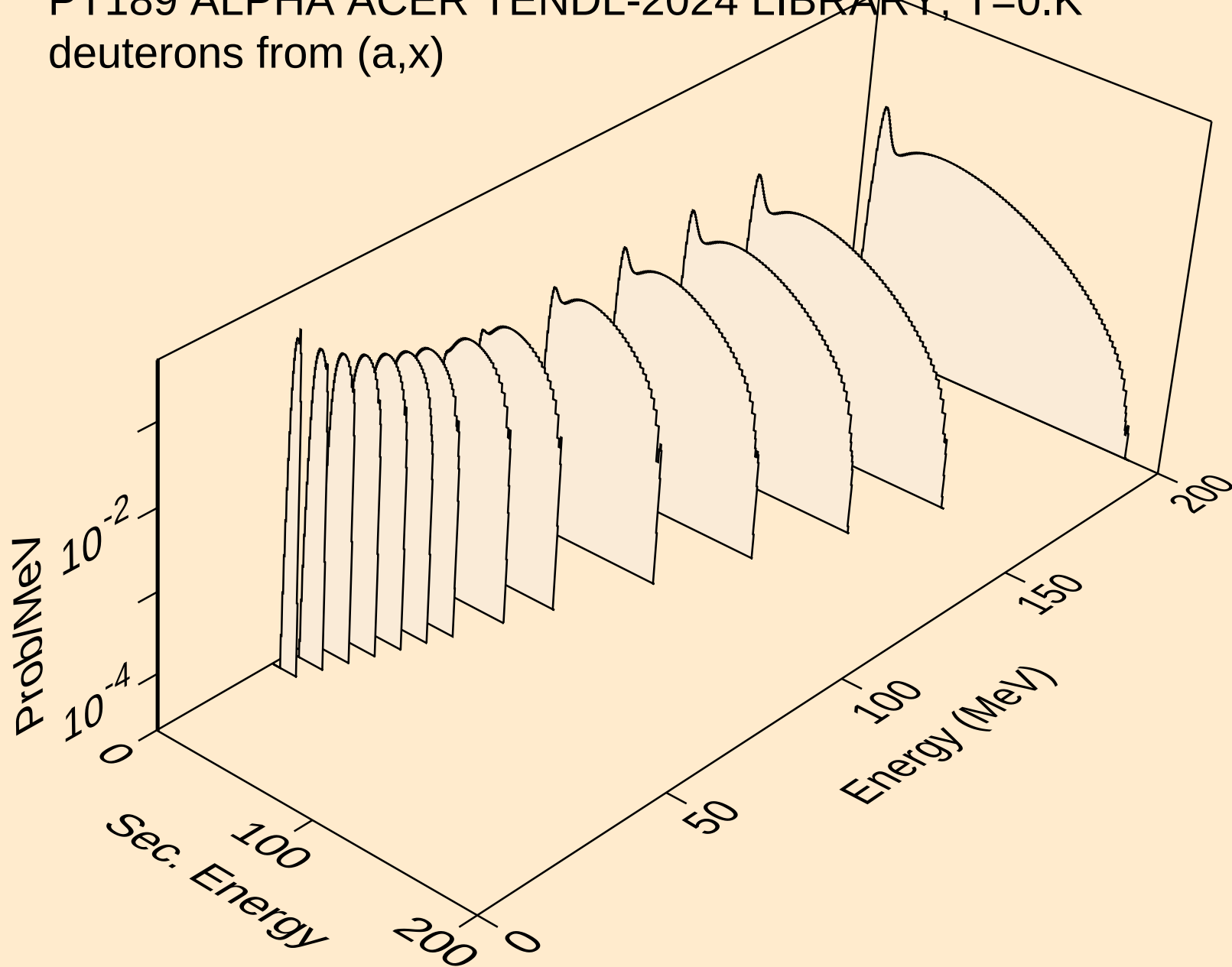
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
protons from (a,2p)



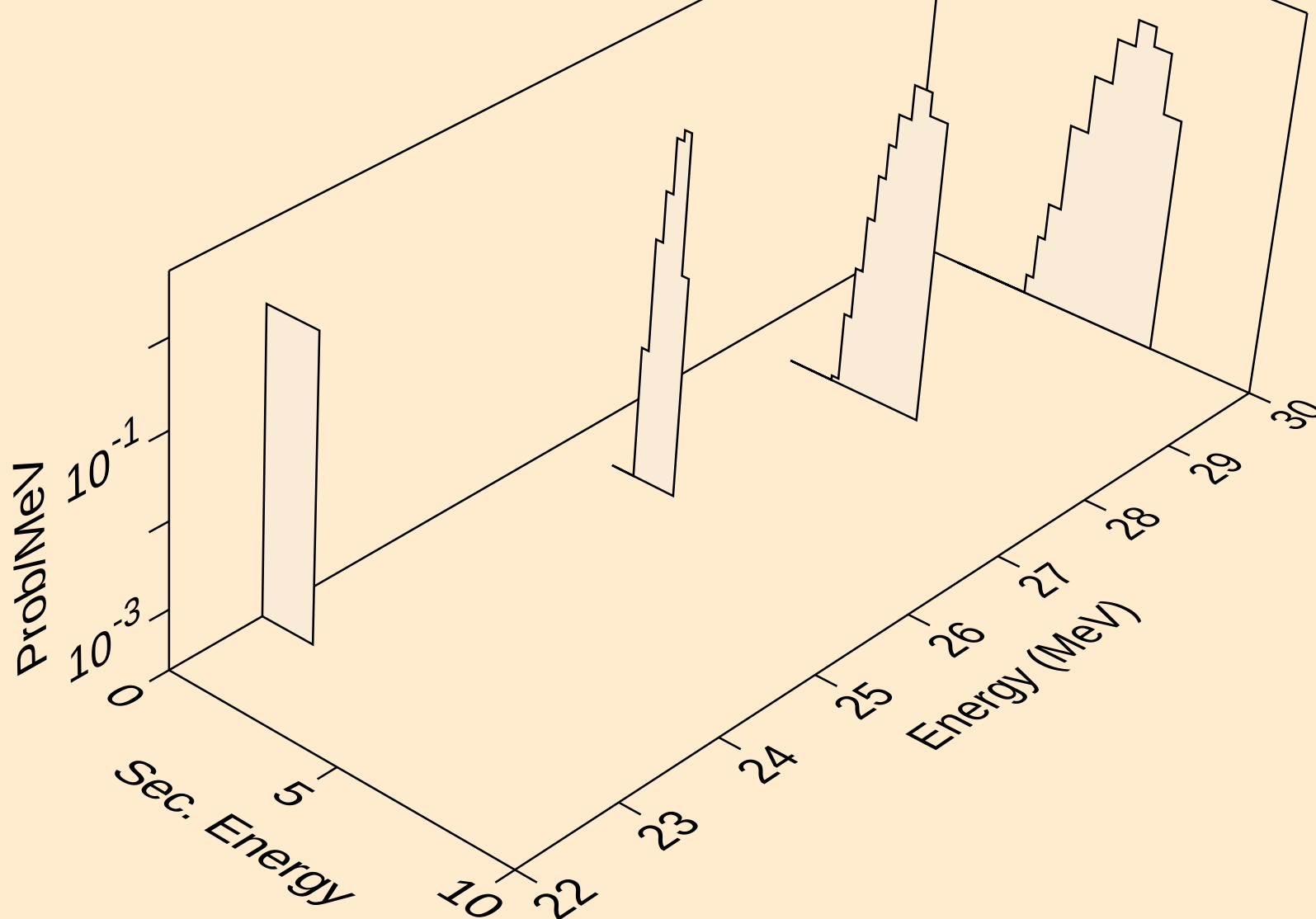
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
protons from (a,pa)



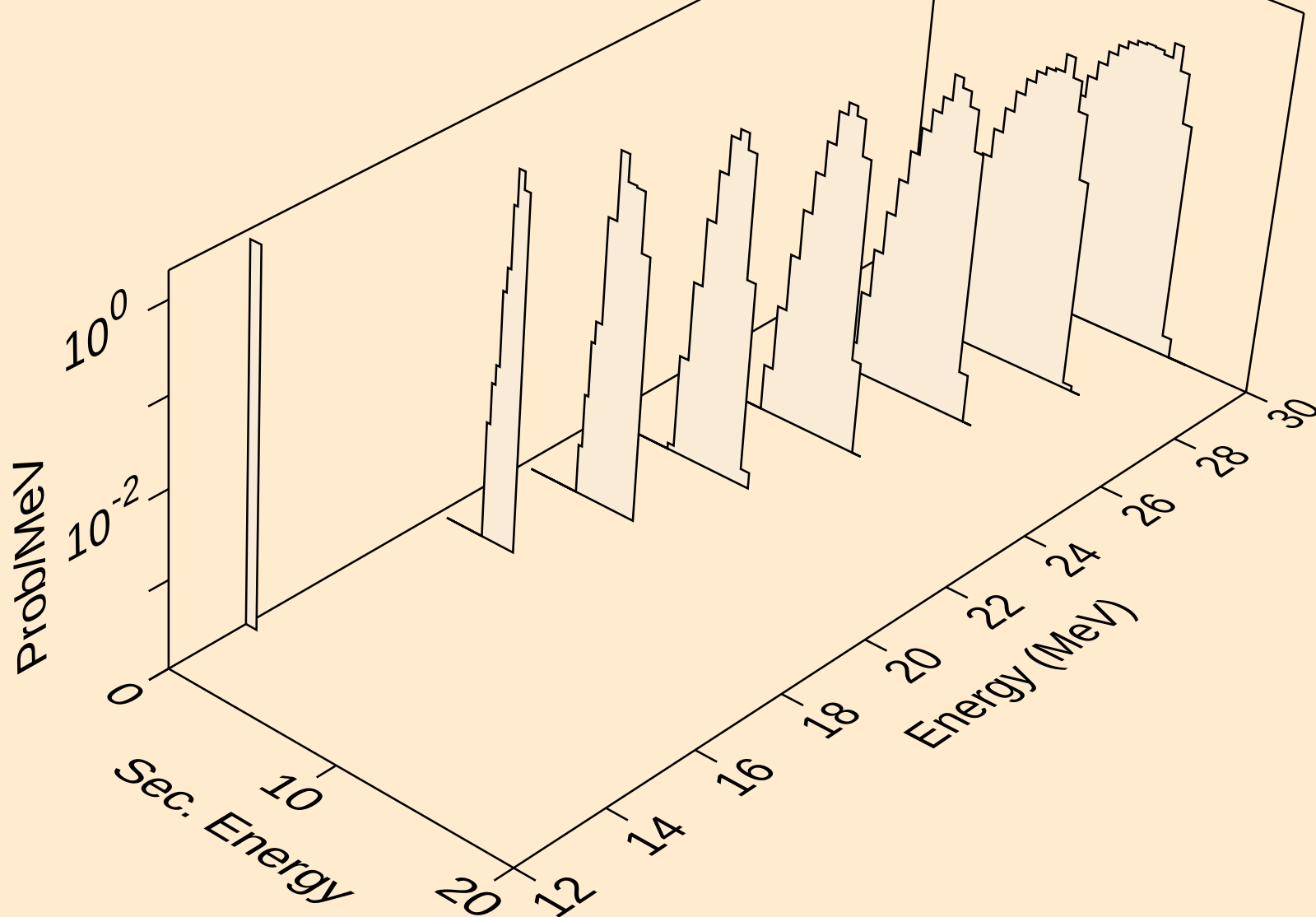
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (a,x)



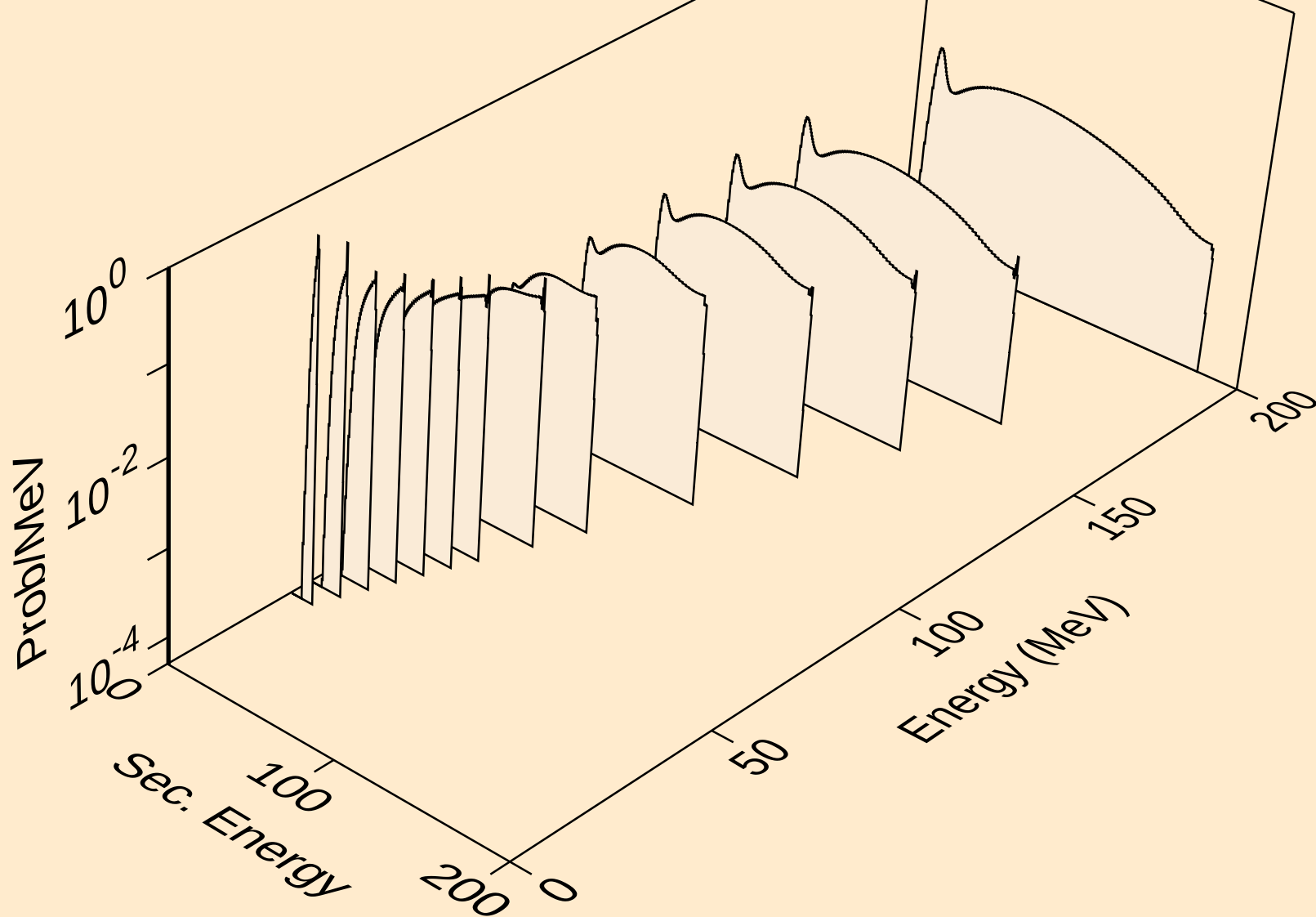
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (a,n*)d



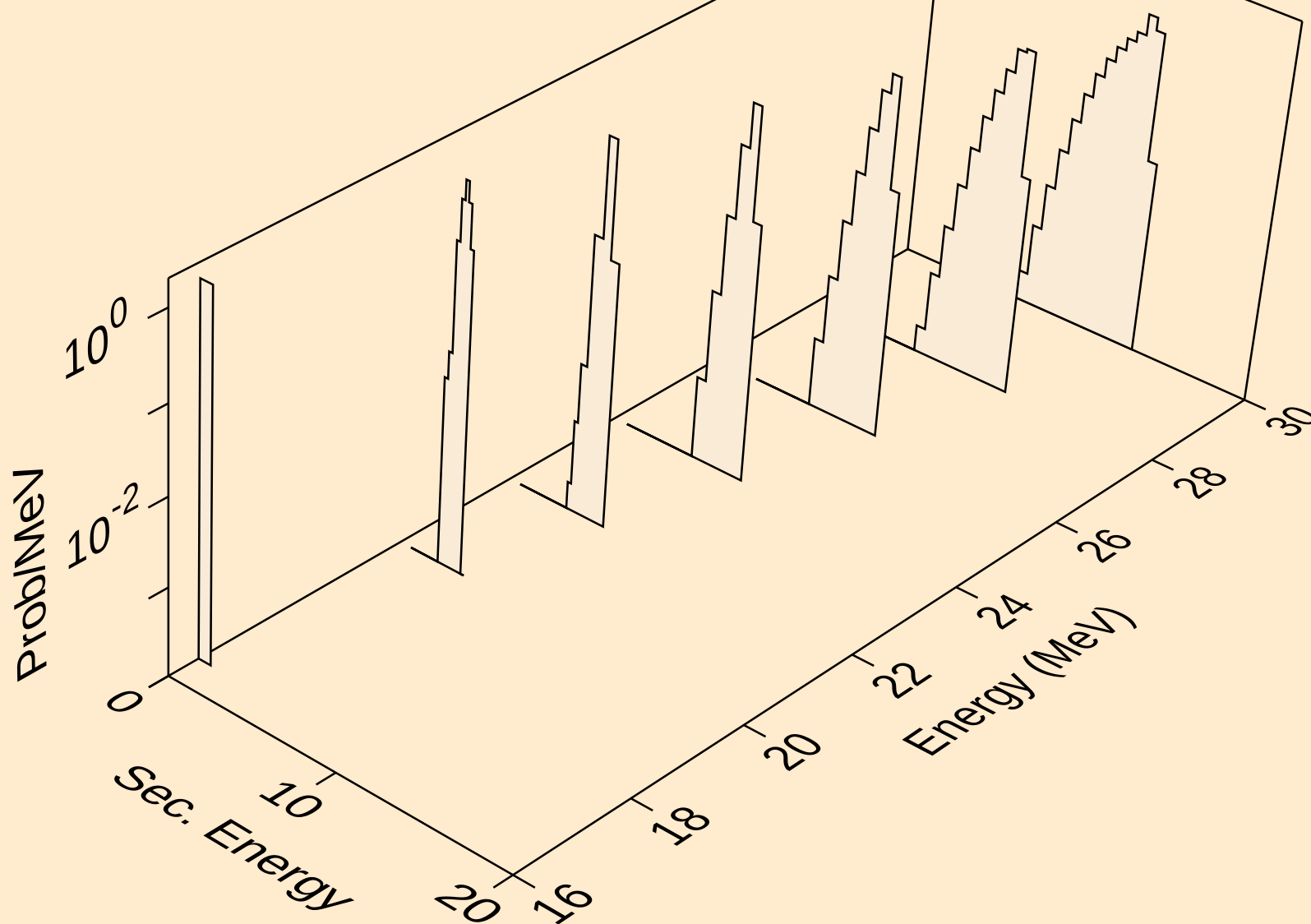
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (a,d)



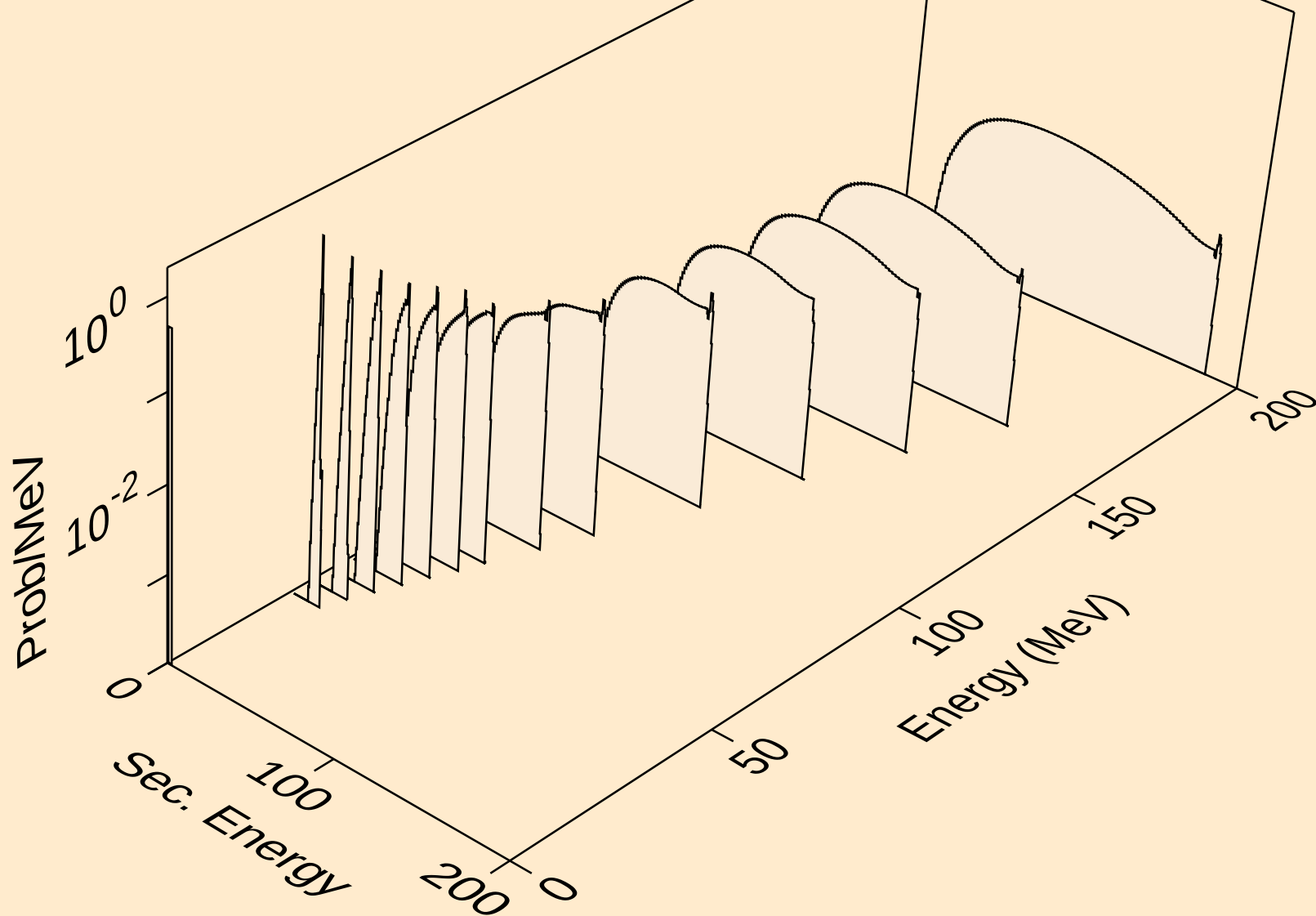
PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
tritons from (a,x)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
tritons from (a,t)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,x)



PT189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,he3)

