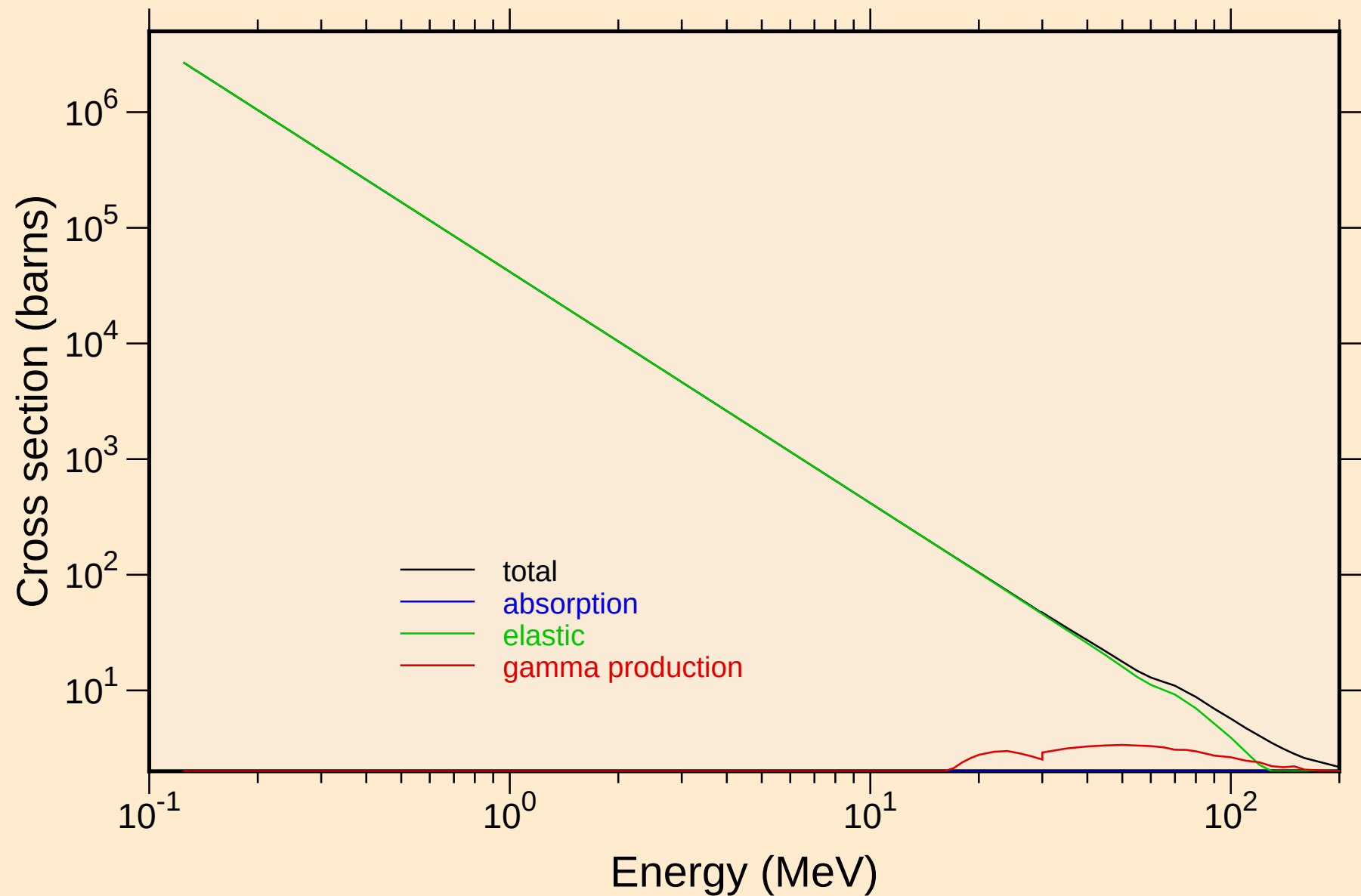


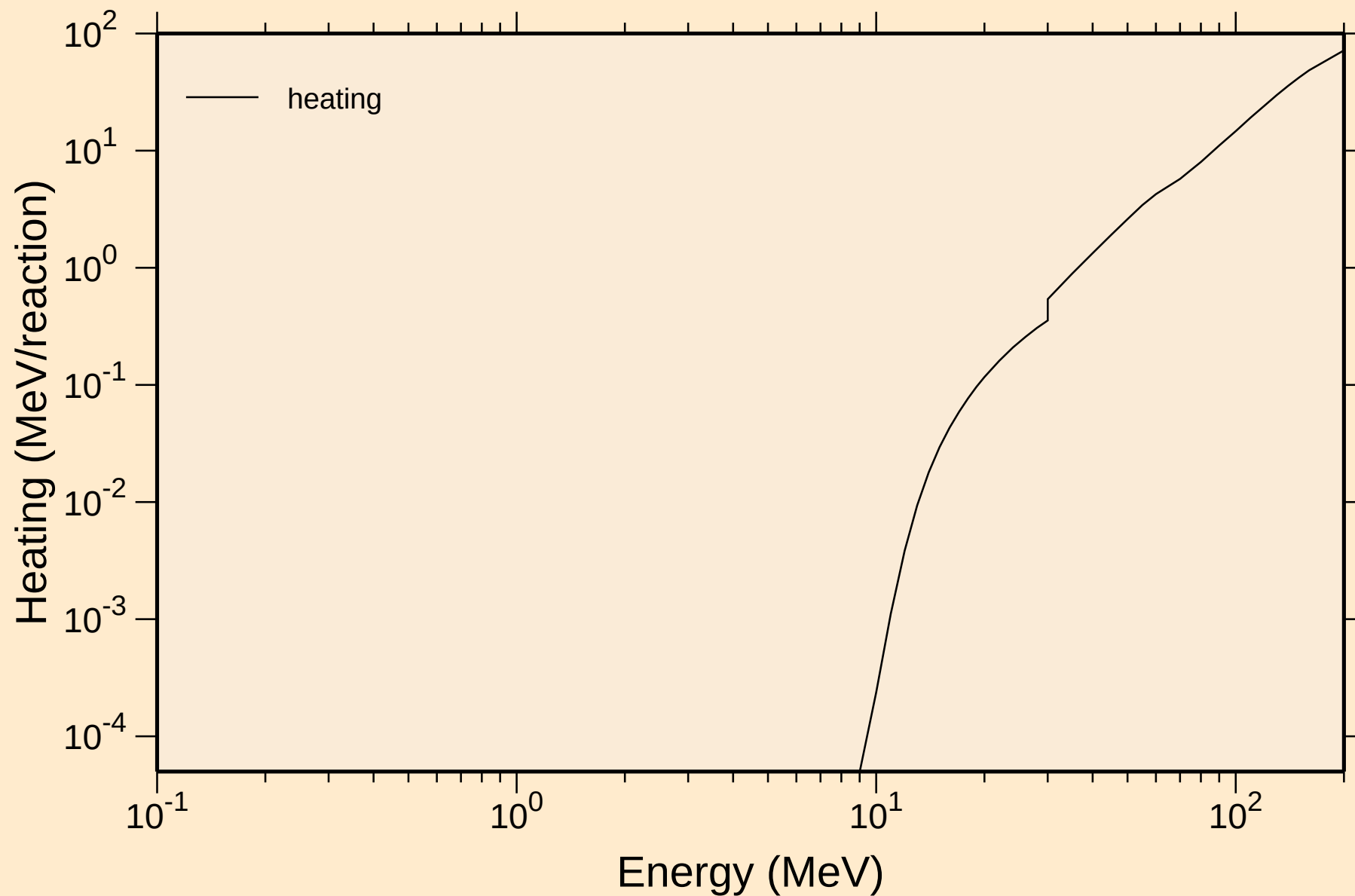
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



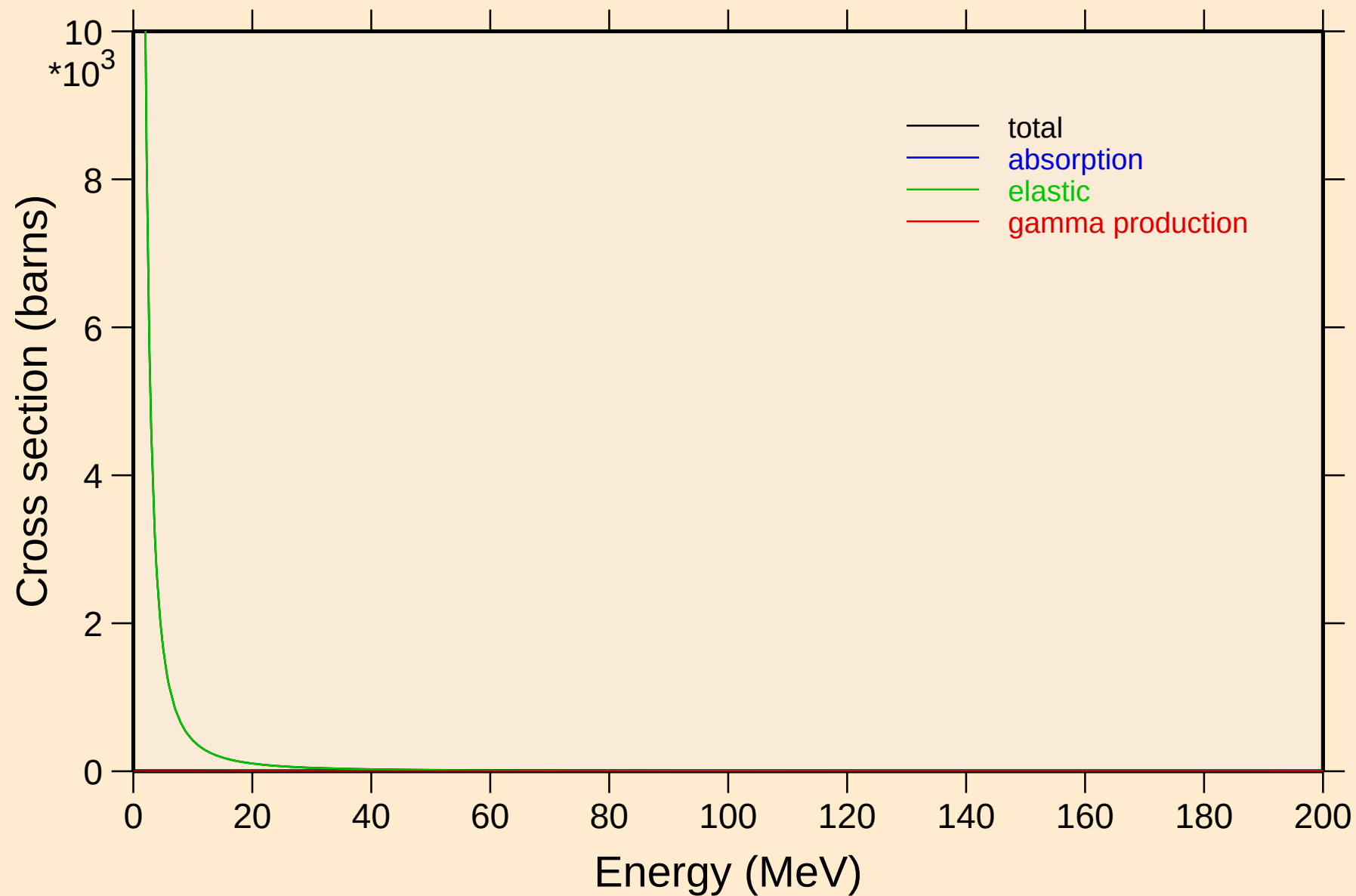
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



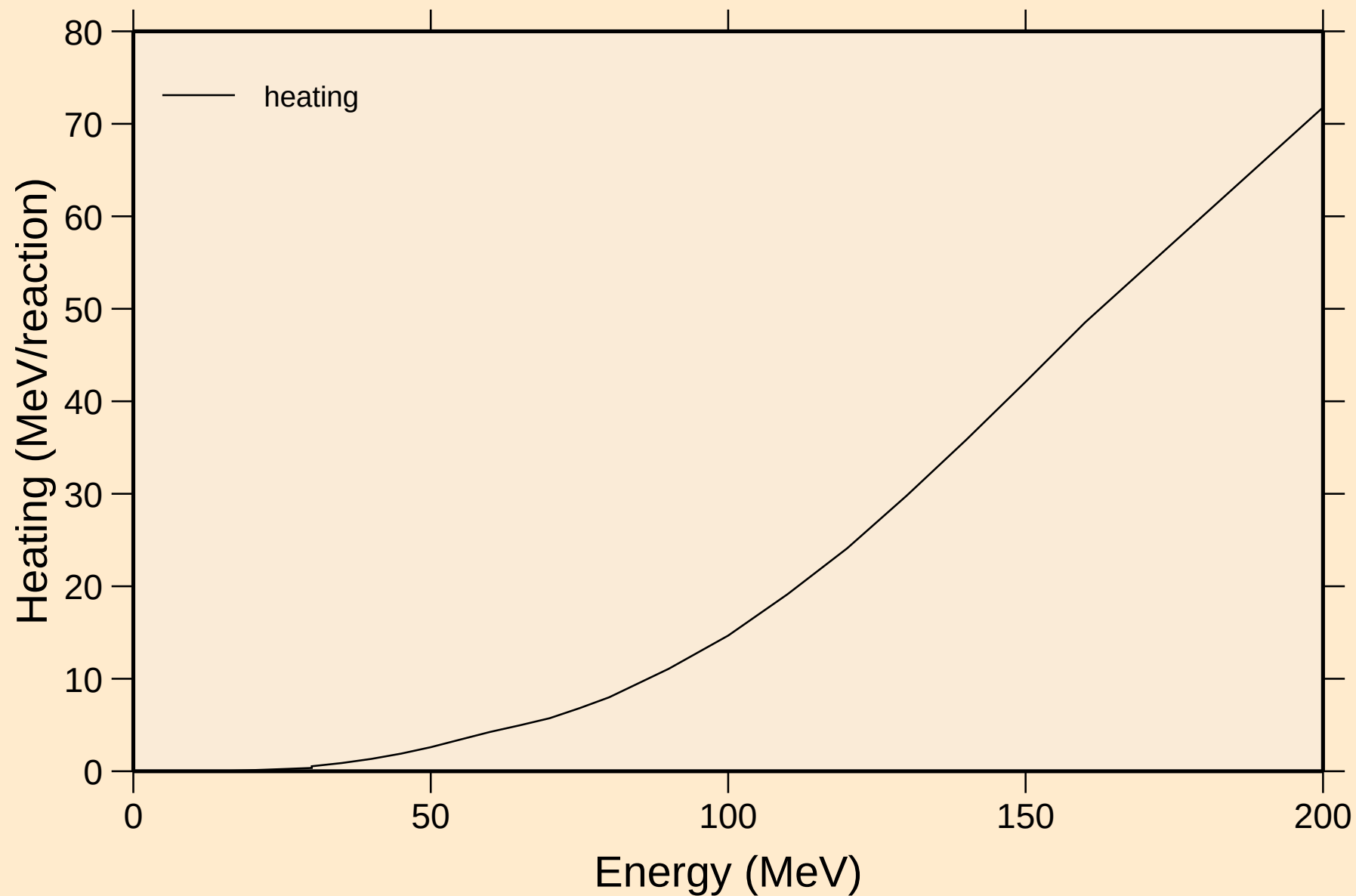
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Principal cross sections



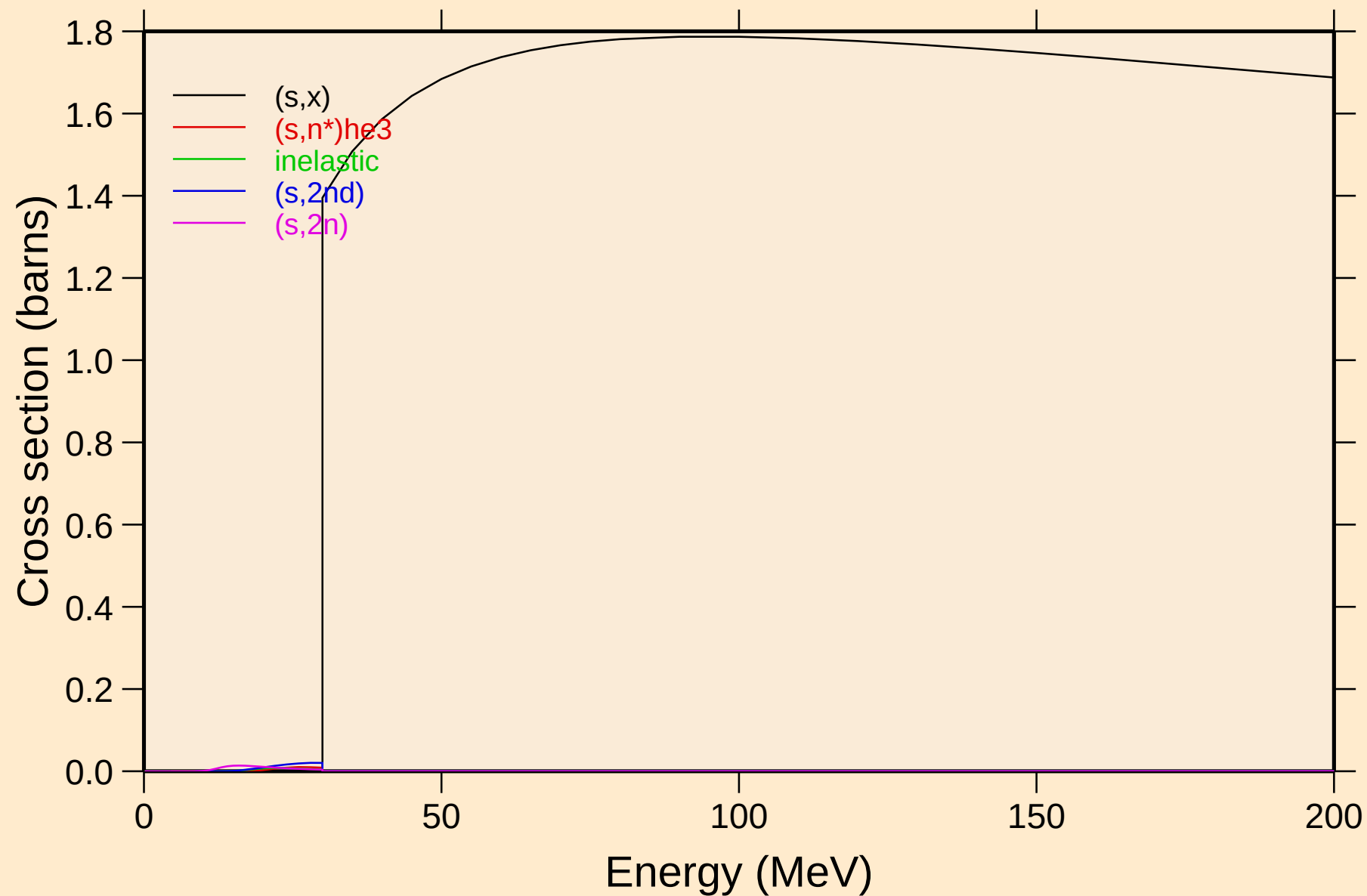
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



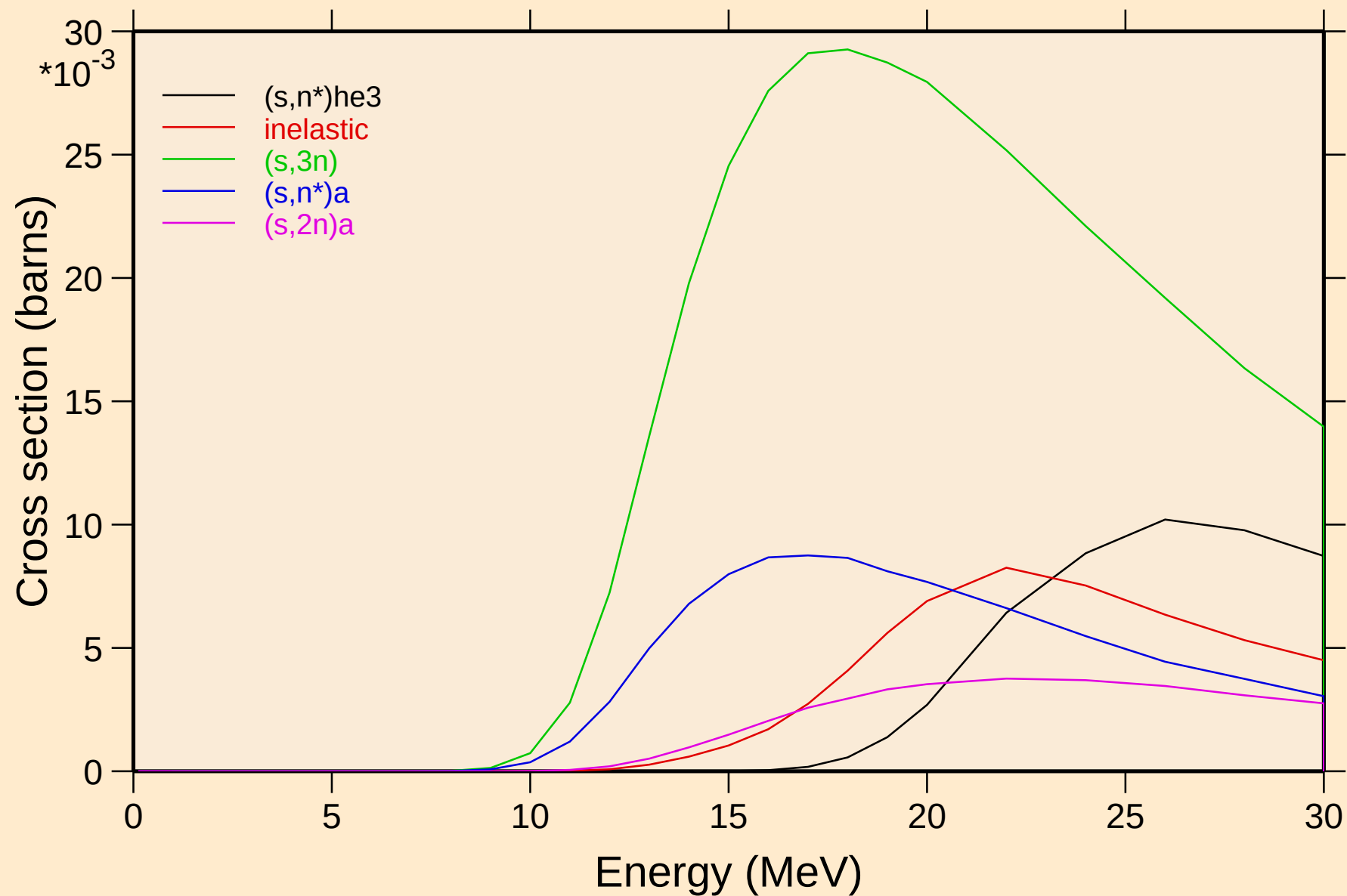
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



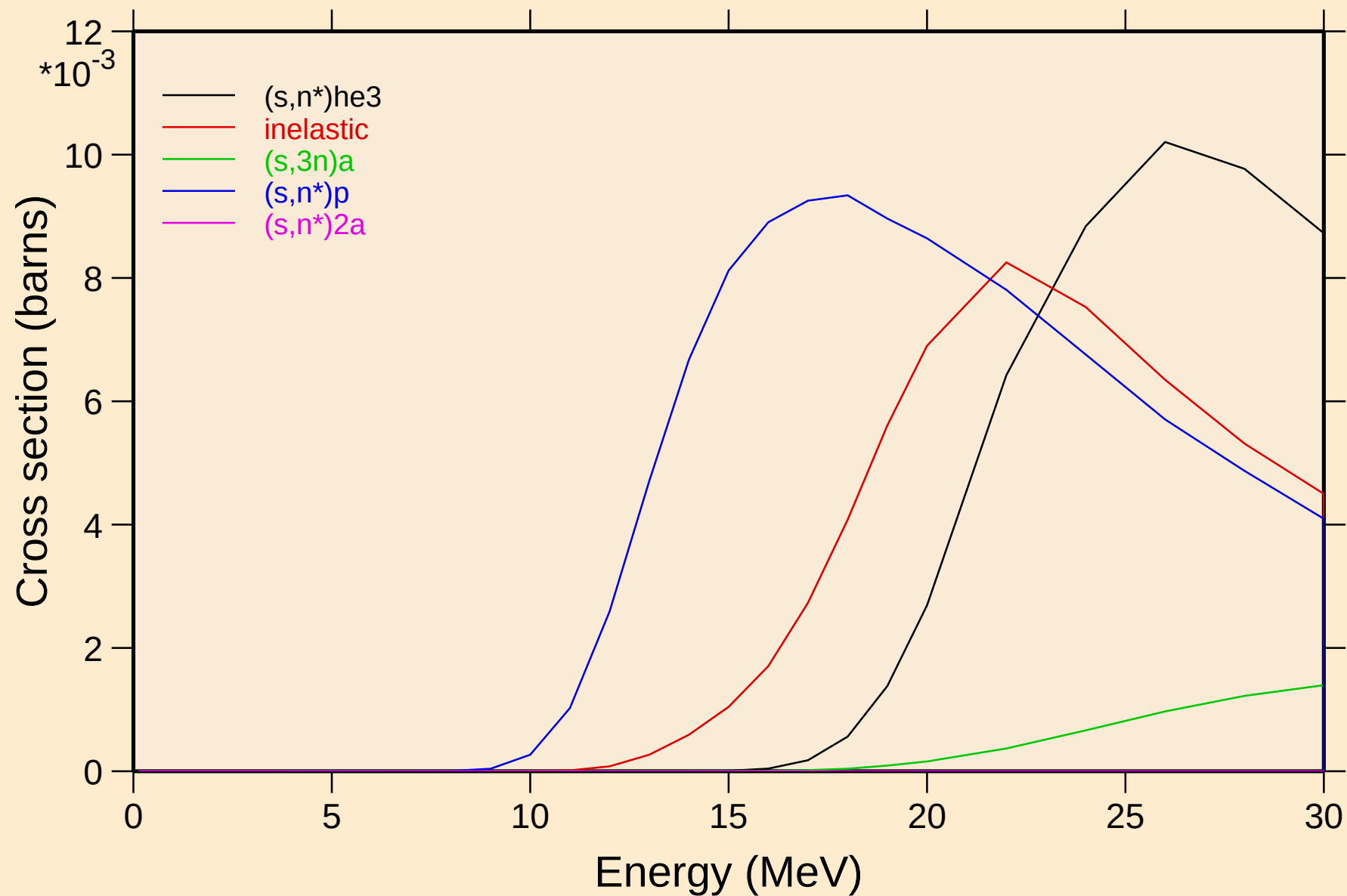
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



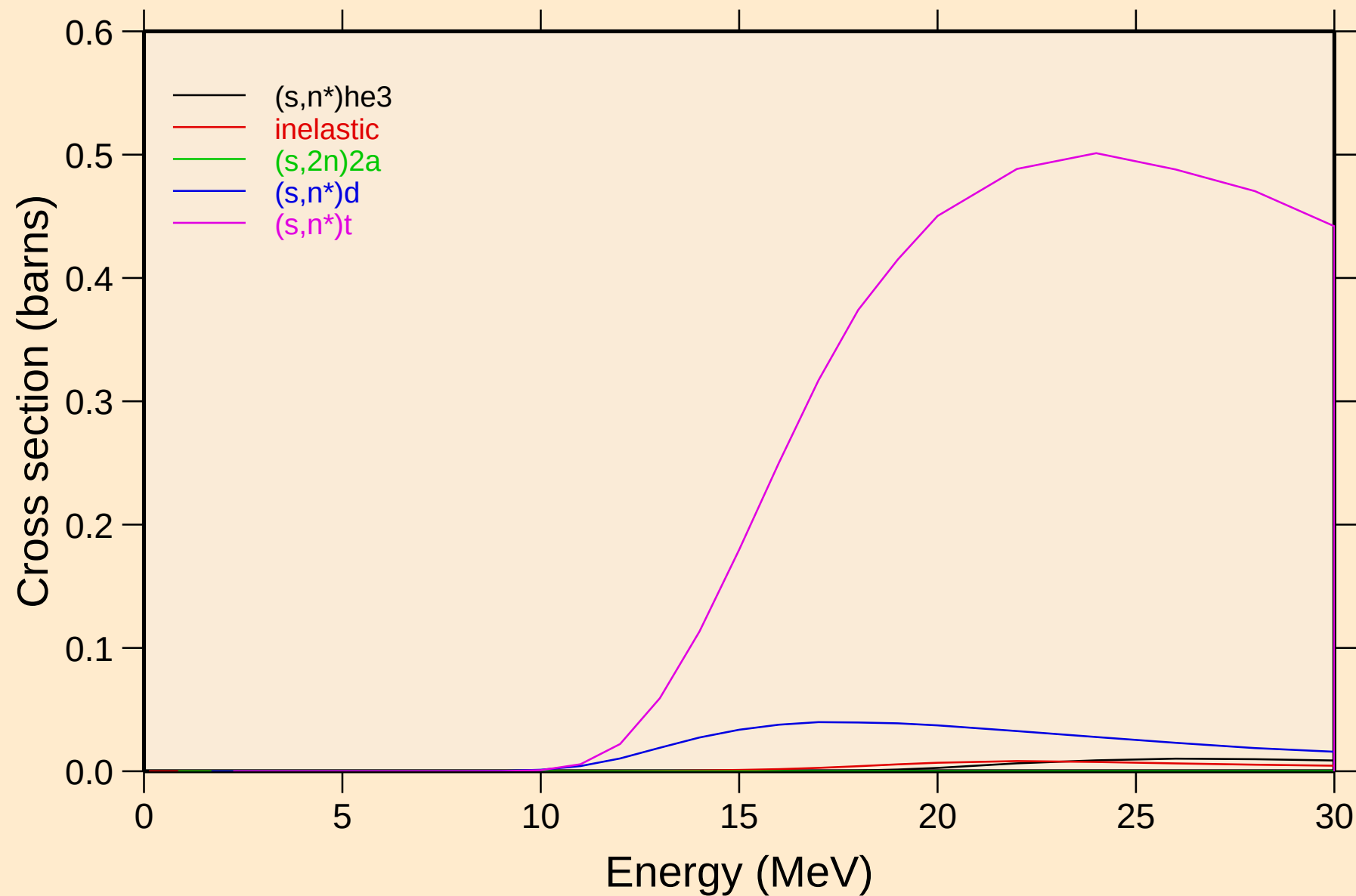
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



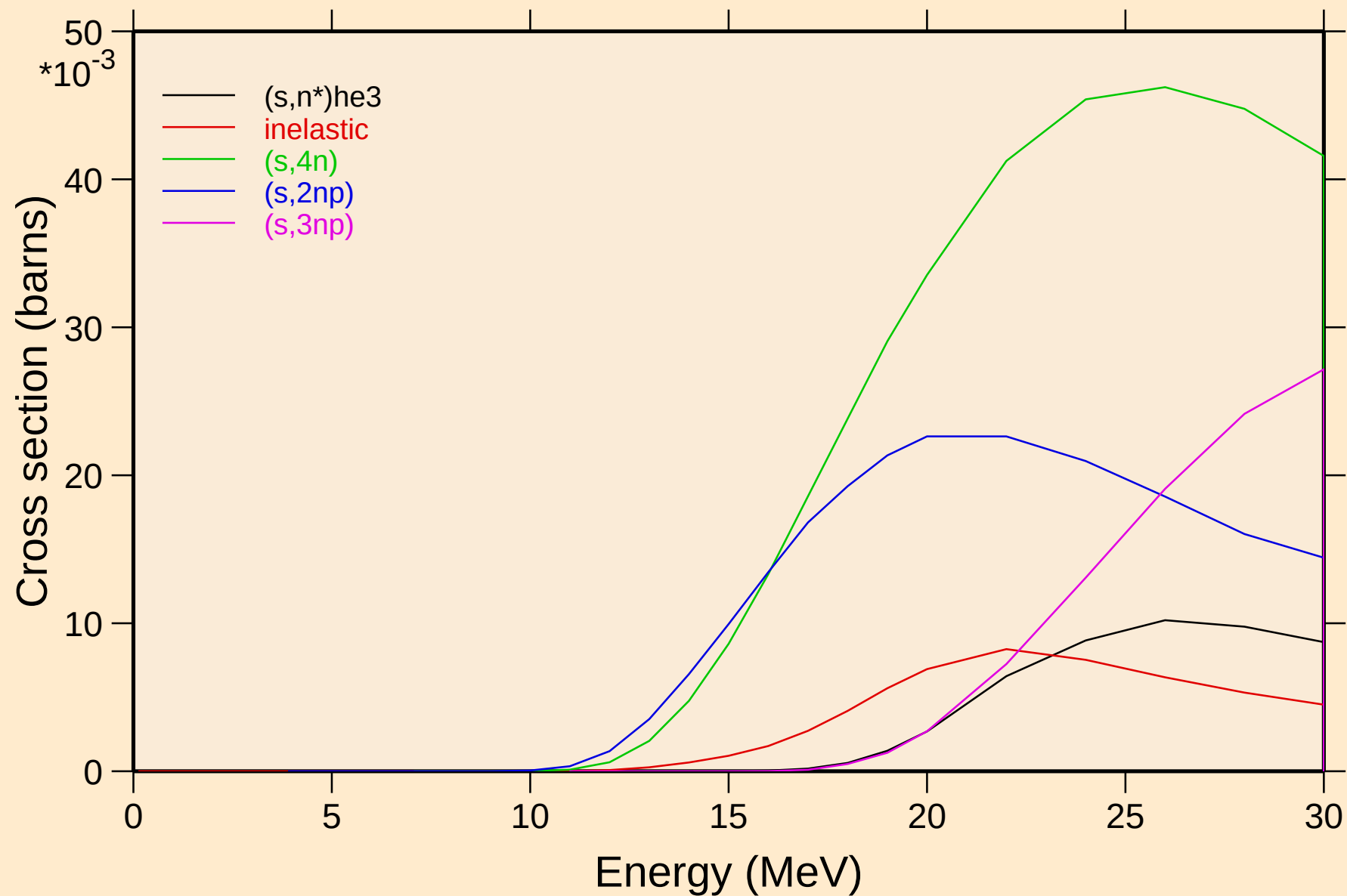
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



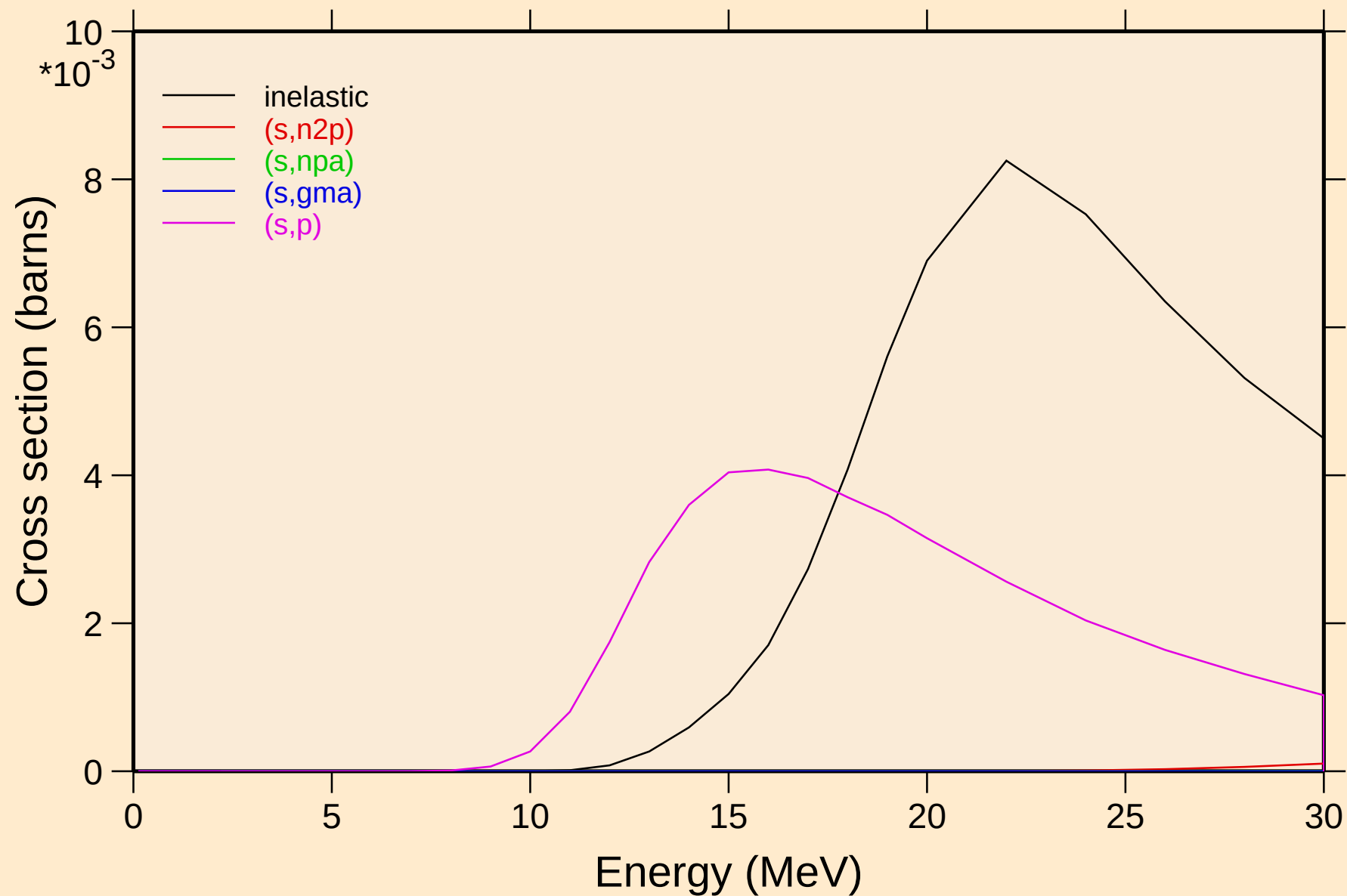
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

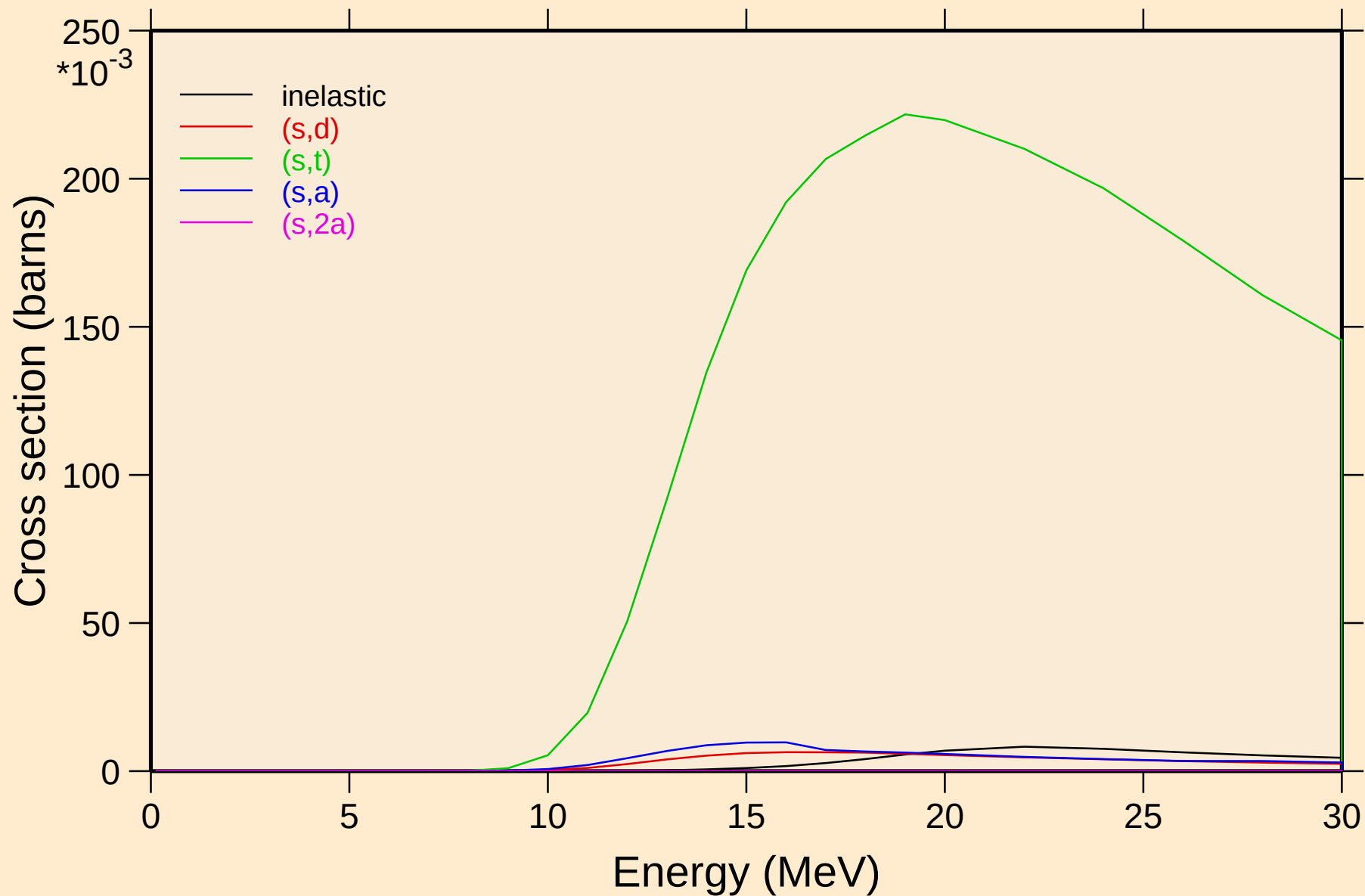


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

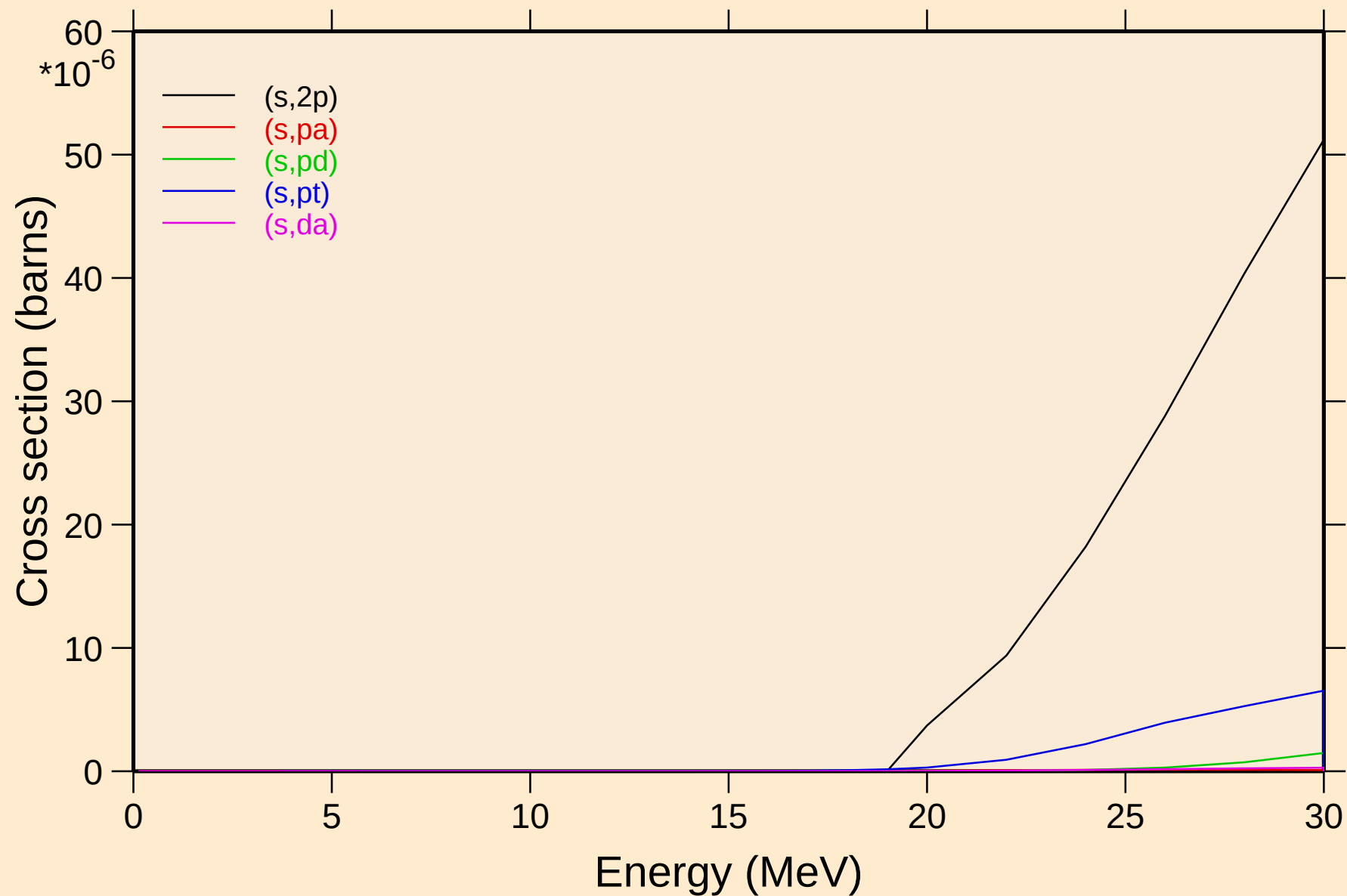


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

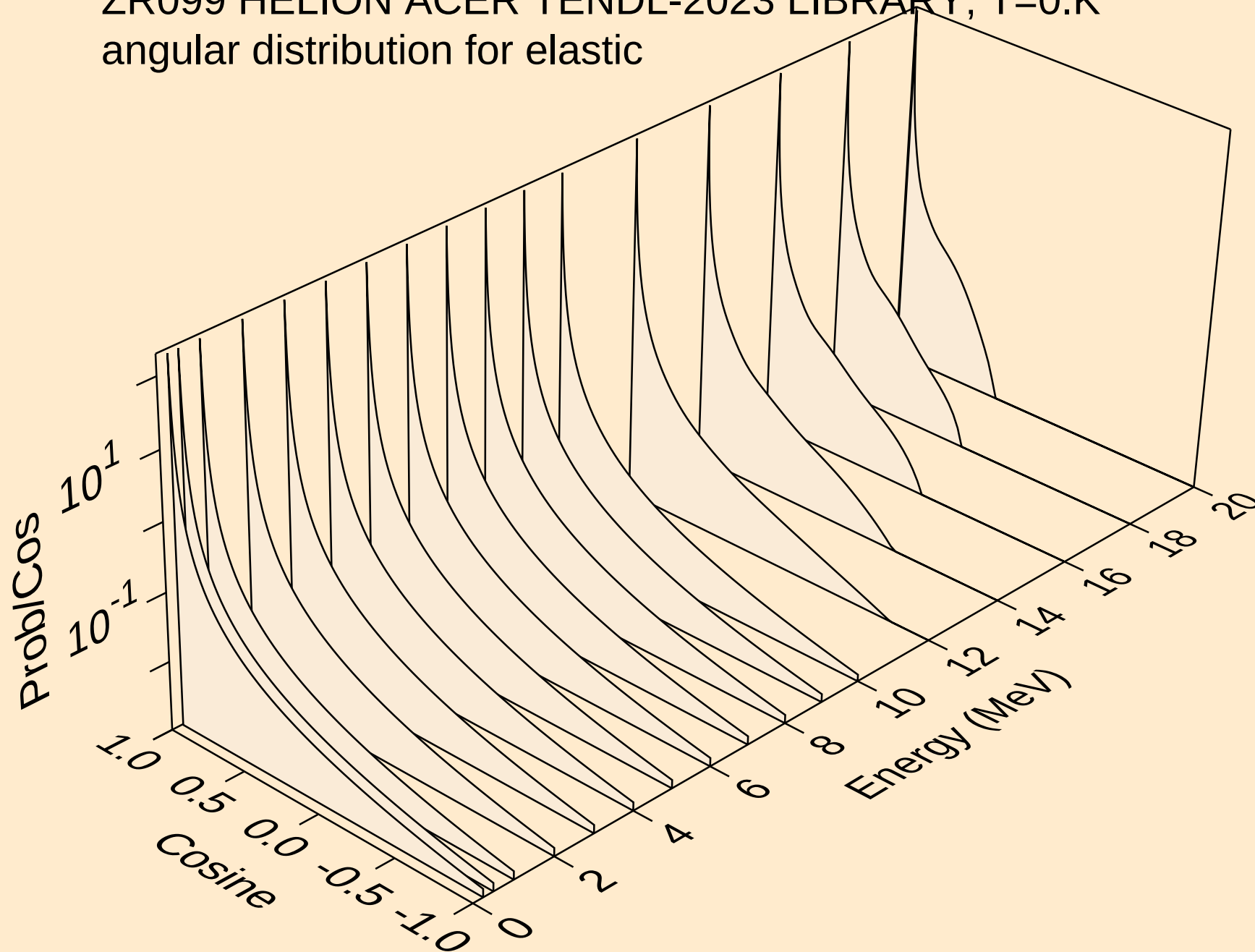


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

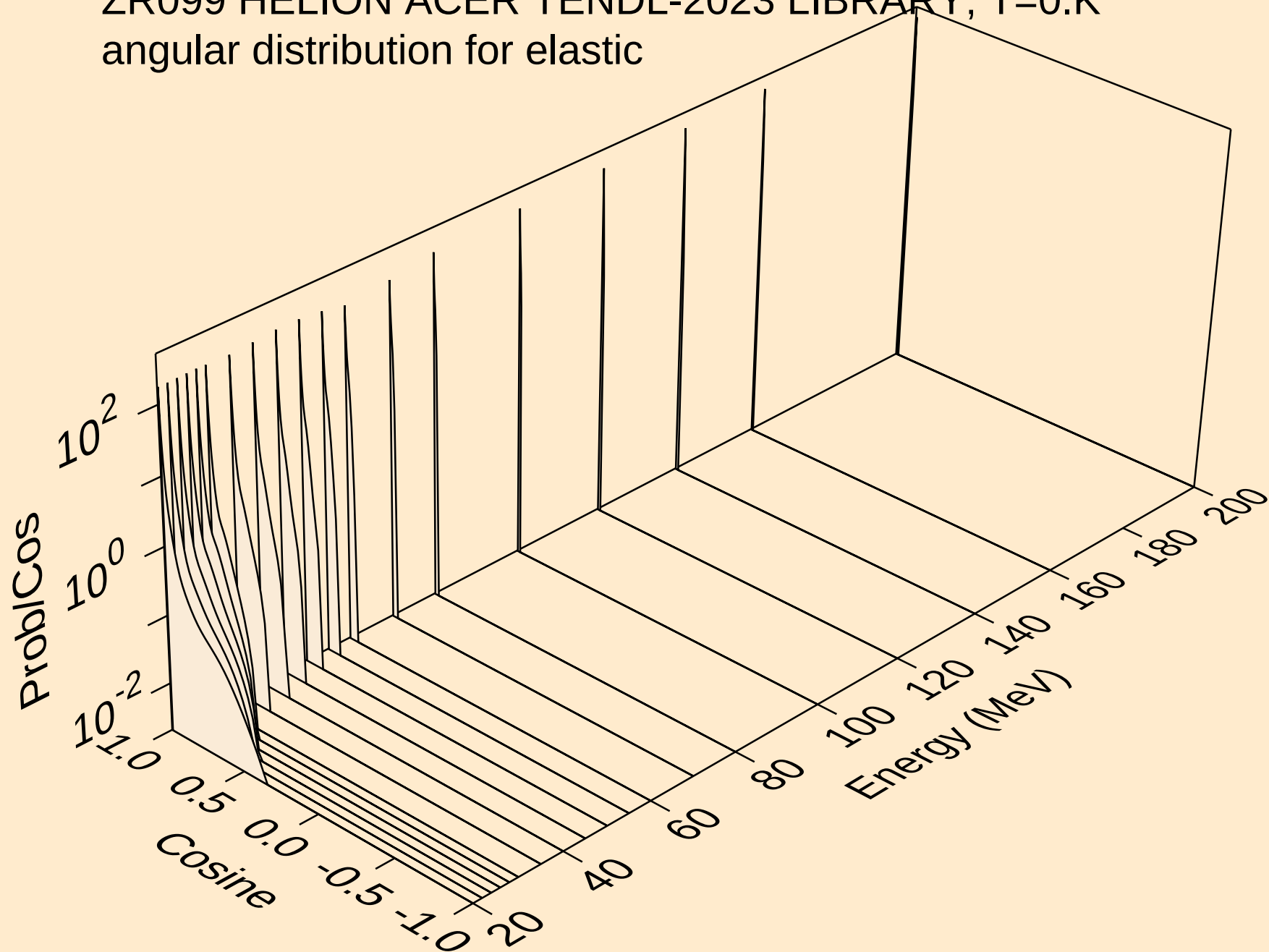
Threshold reactions



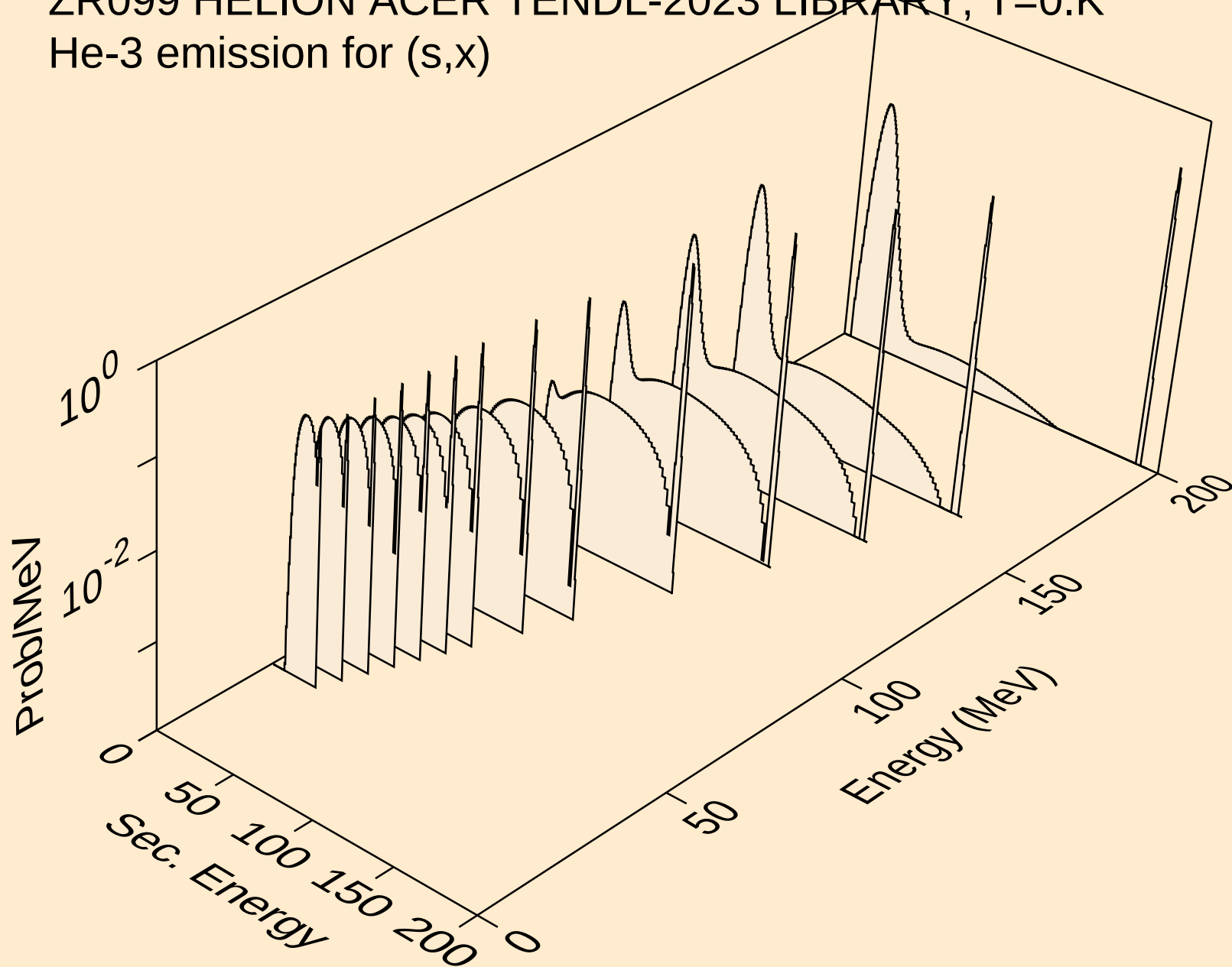
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



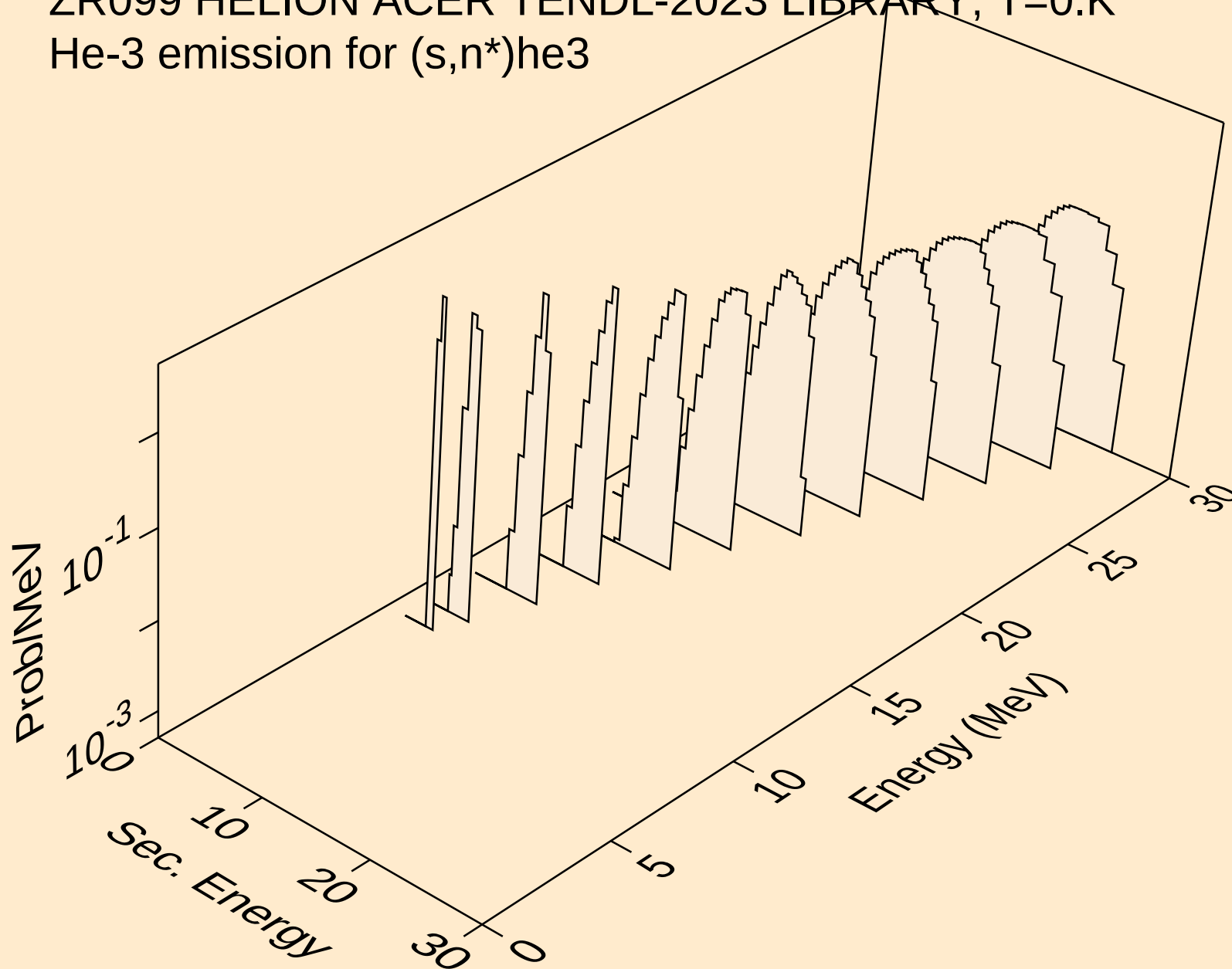
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



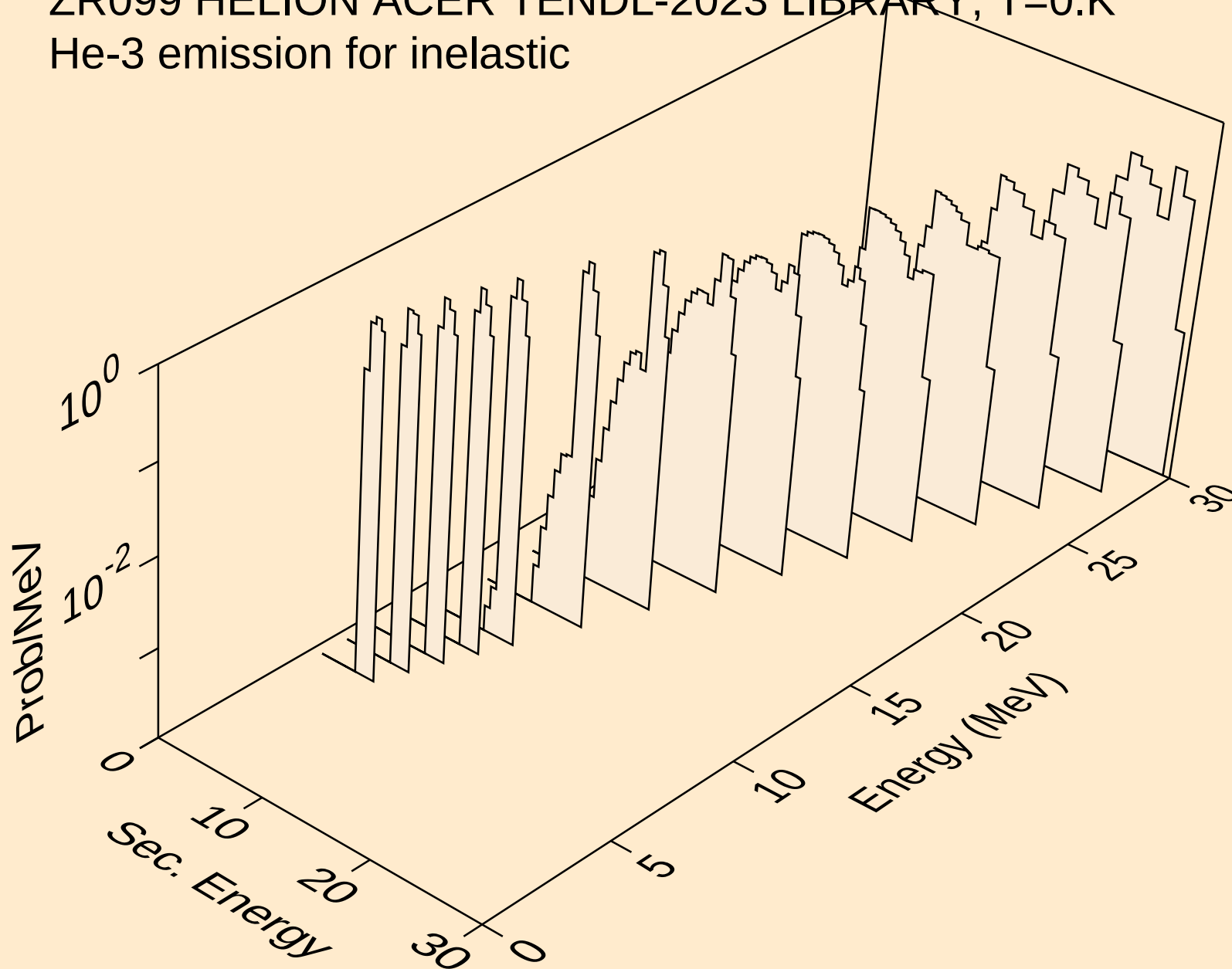
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,x)



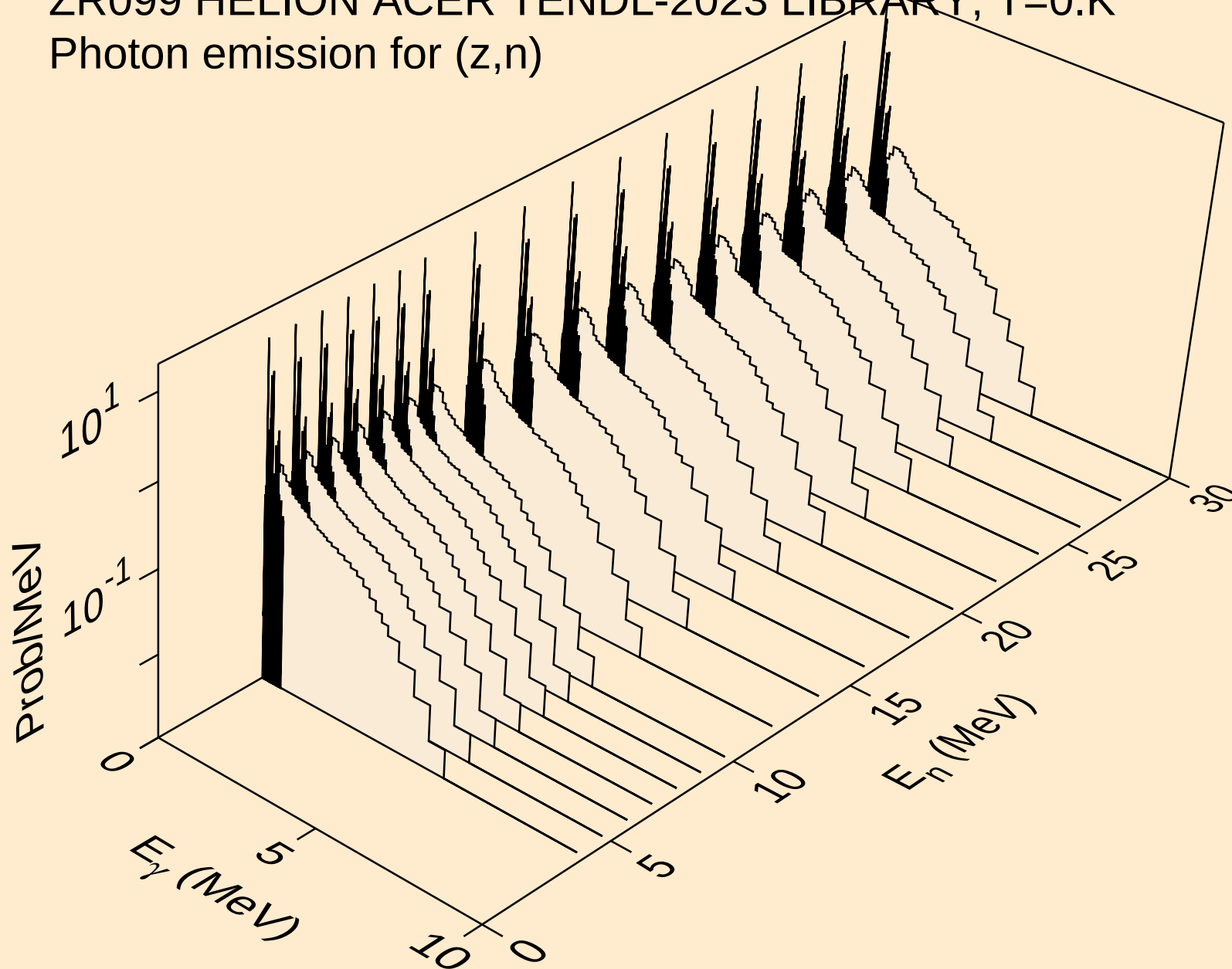
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for inelastic

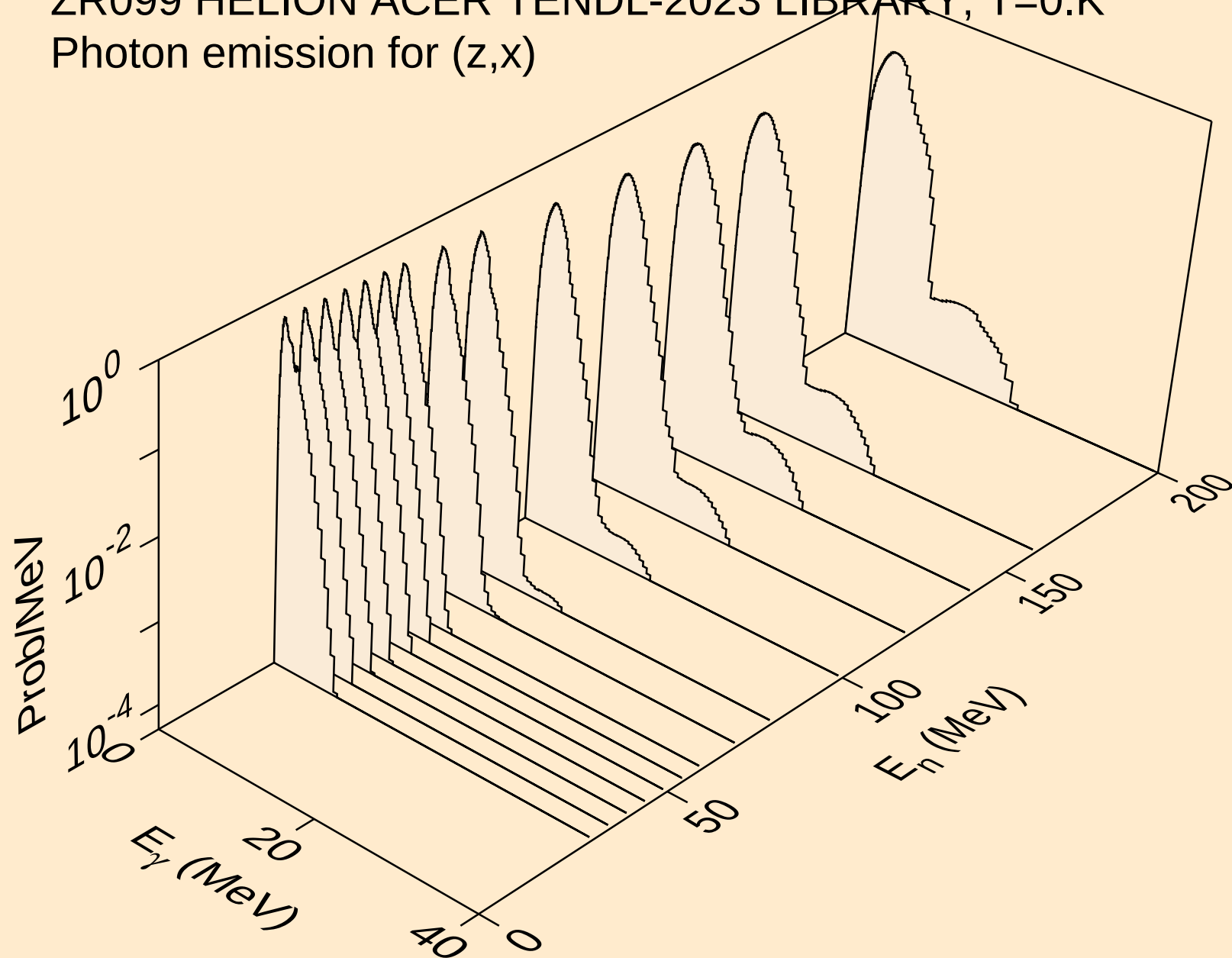


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)

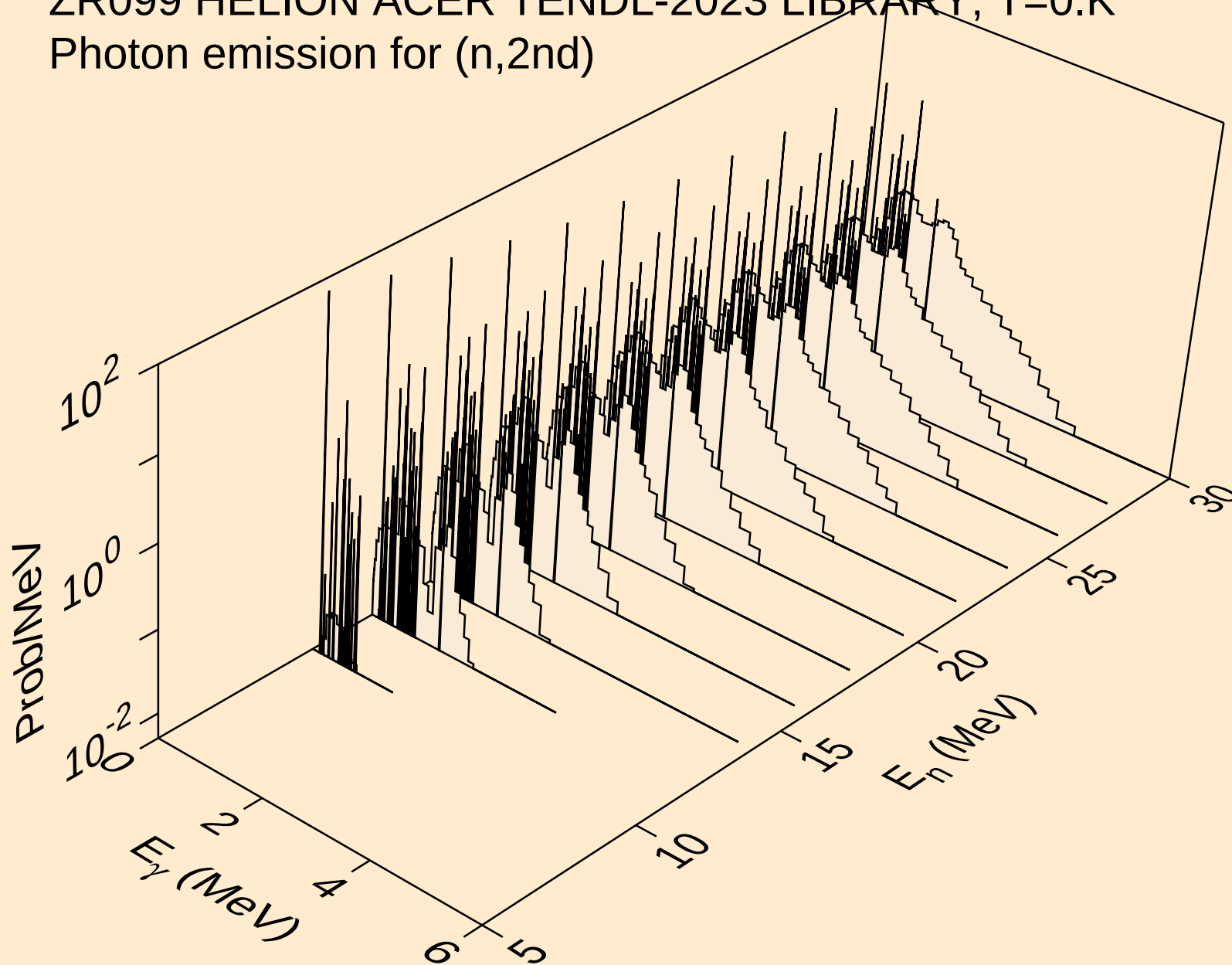


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

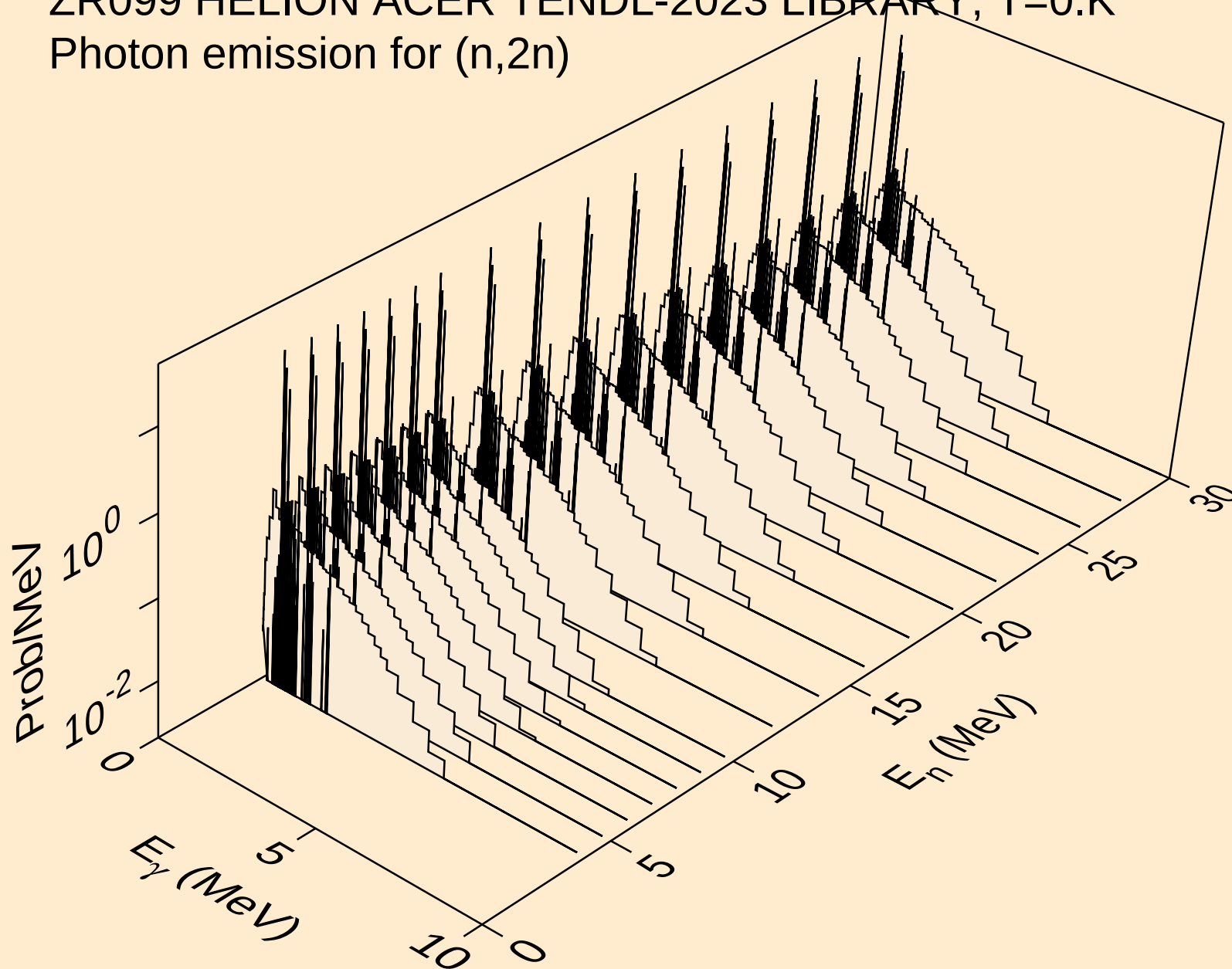
Photon emission for (z,x)



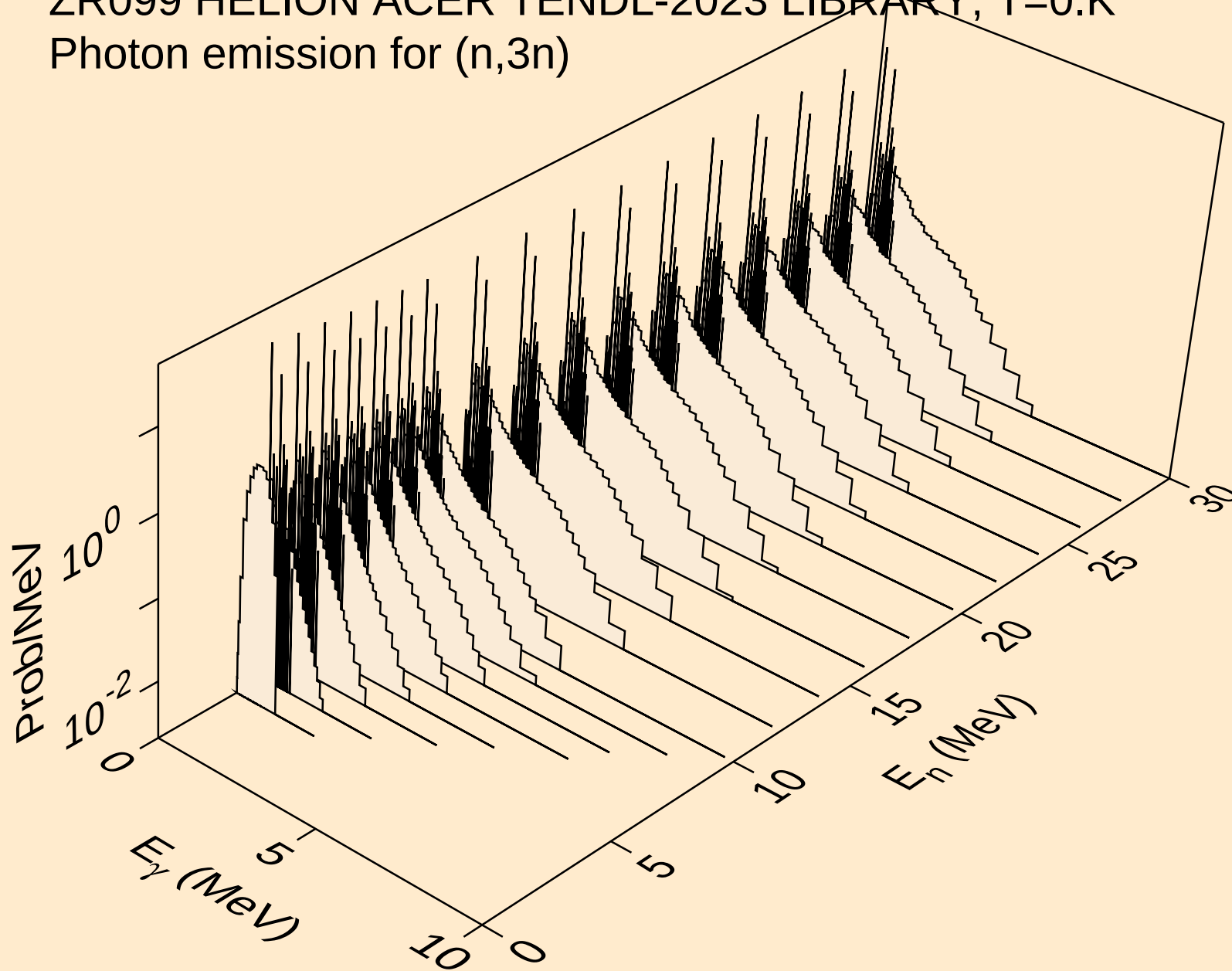
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



ZR099 HELION ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)

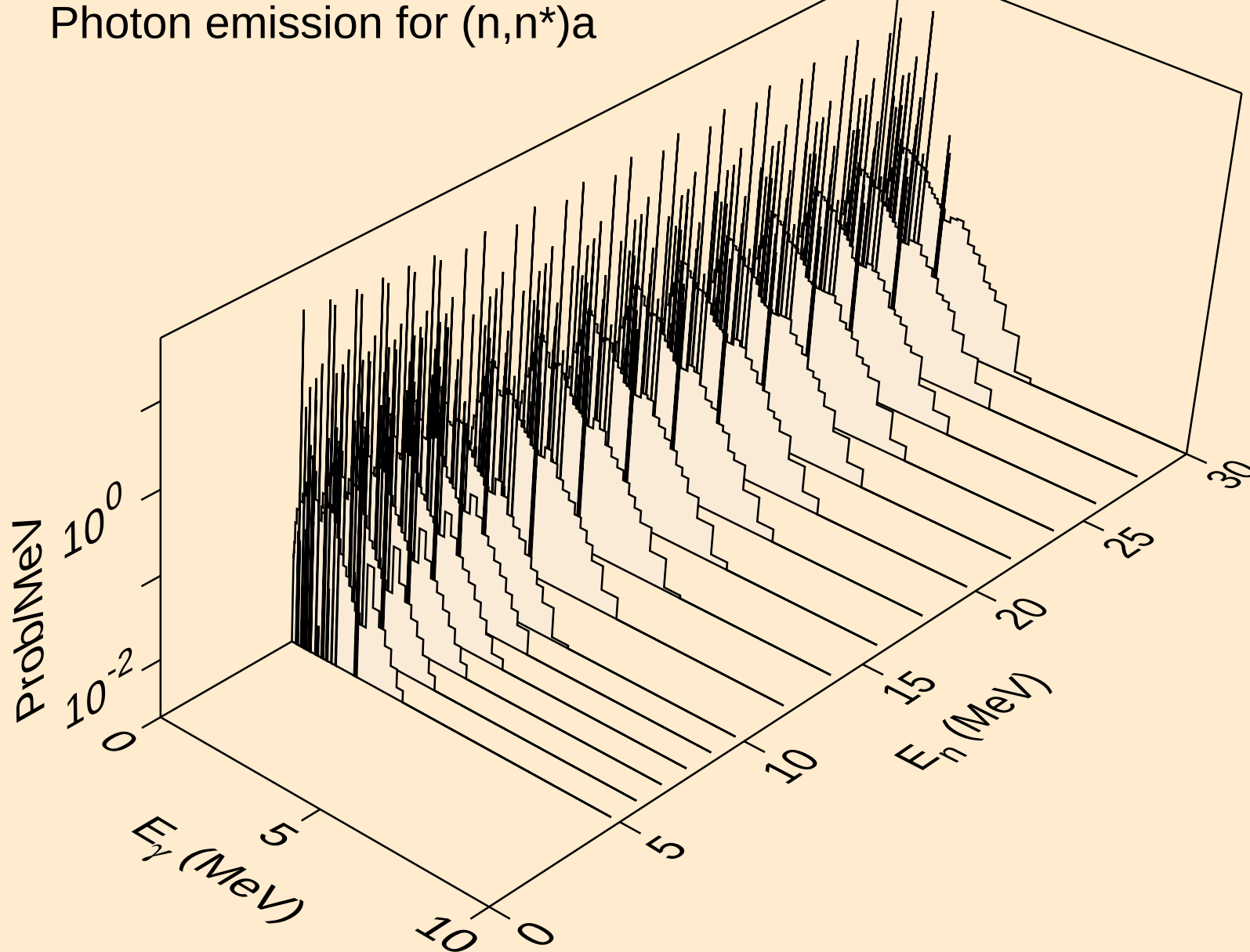


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



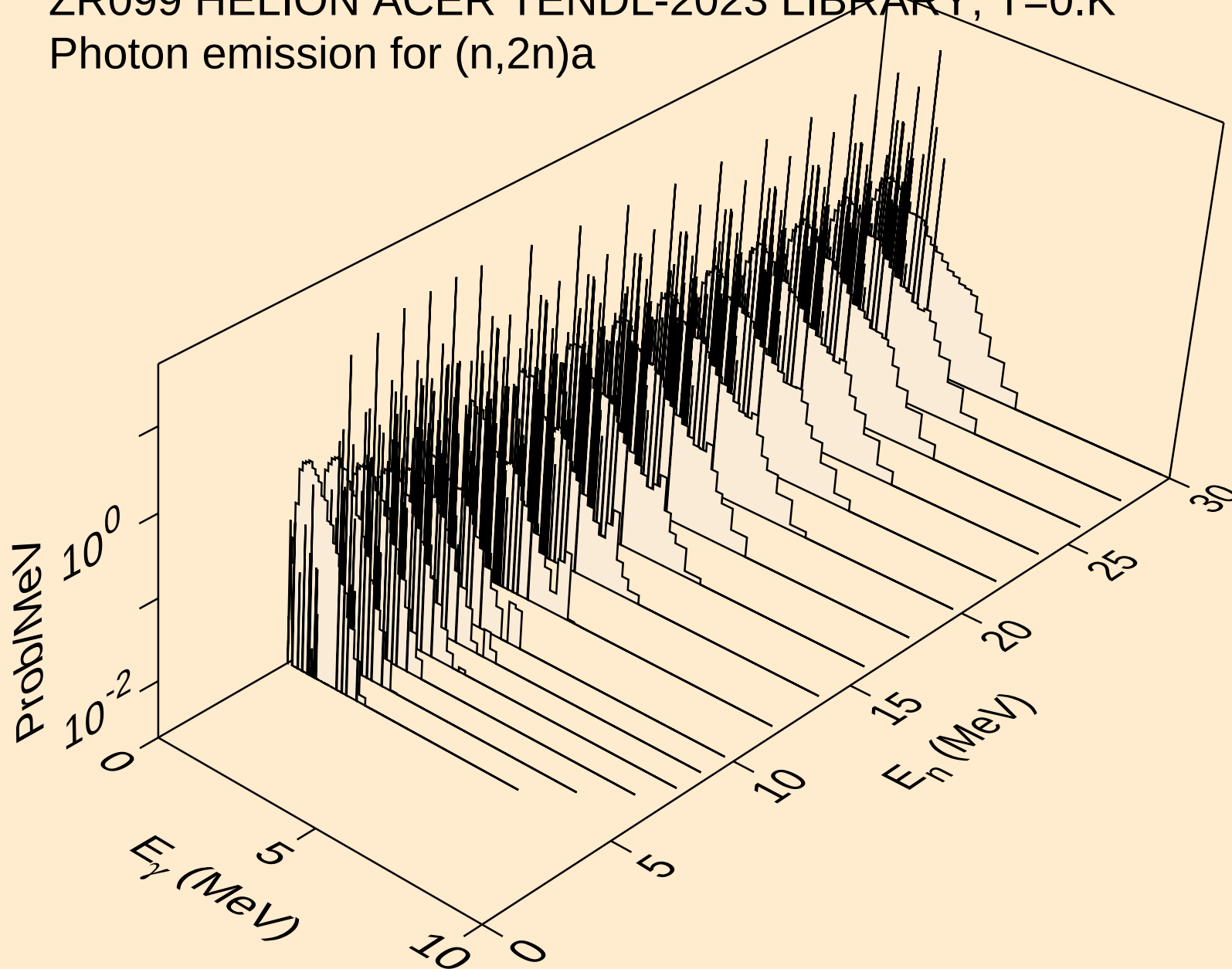
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a

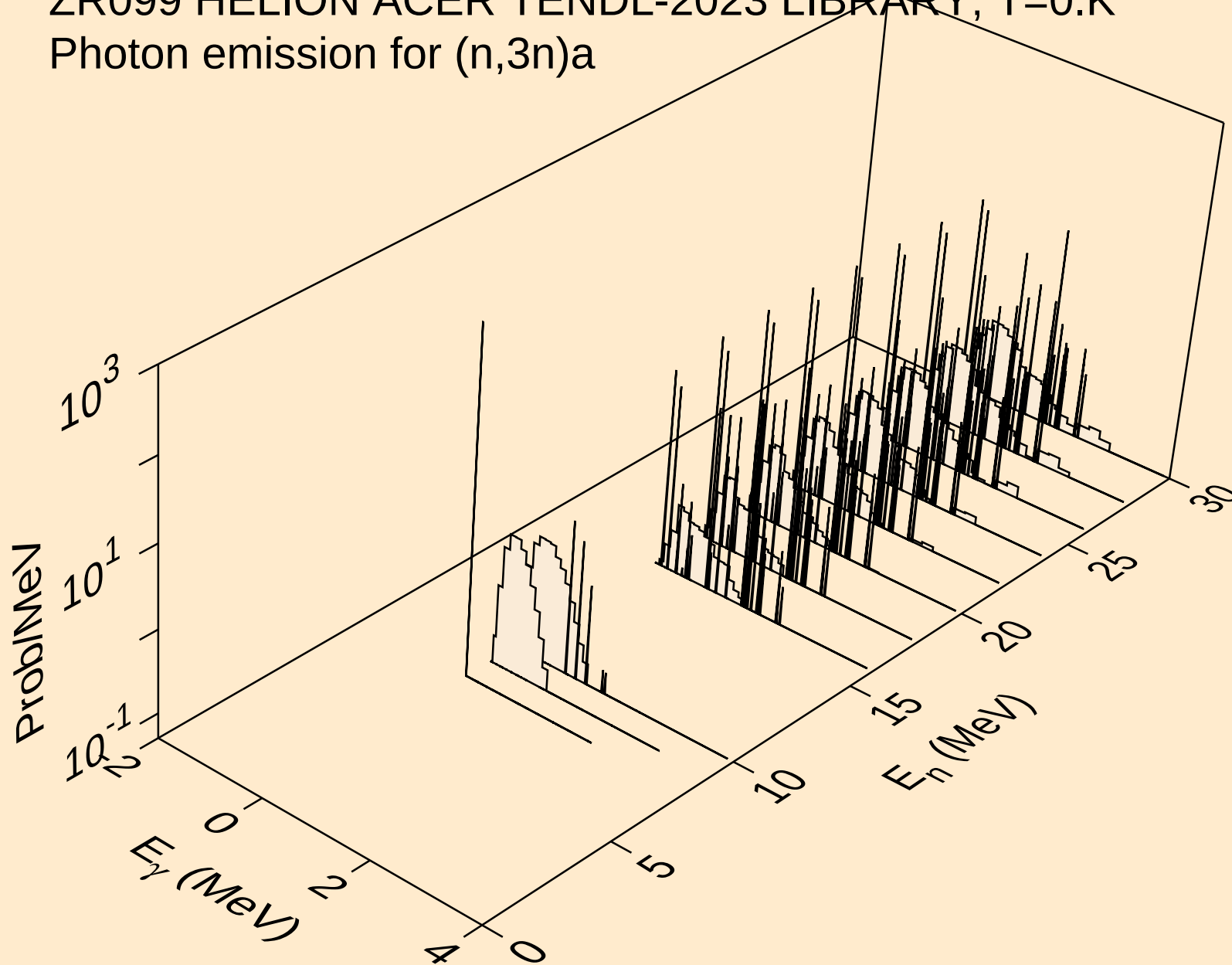


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α

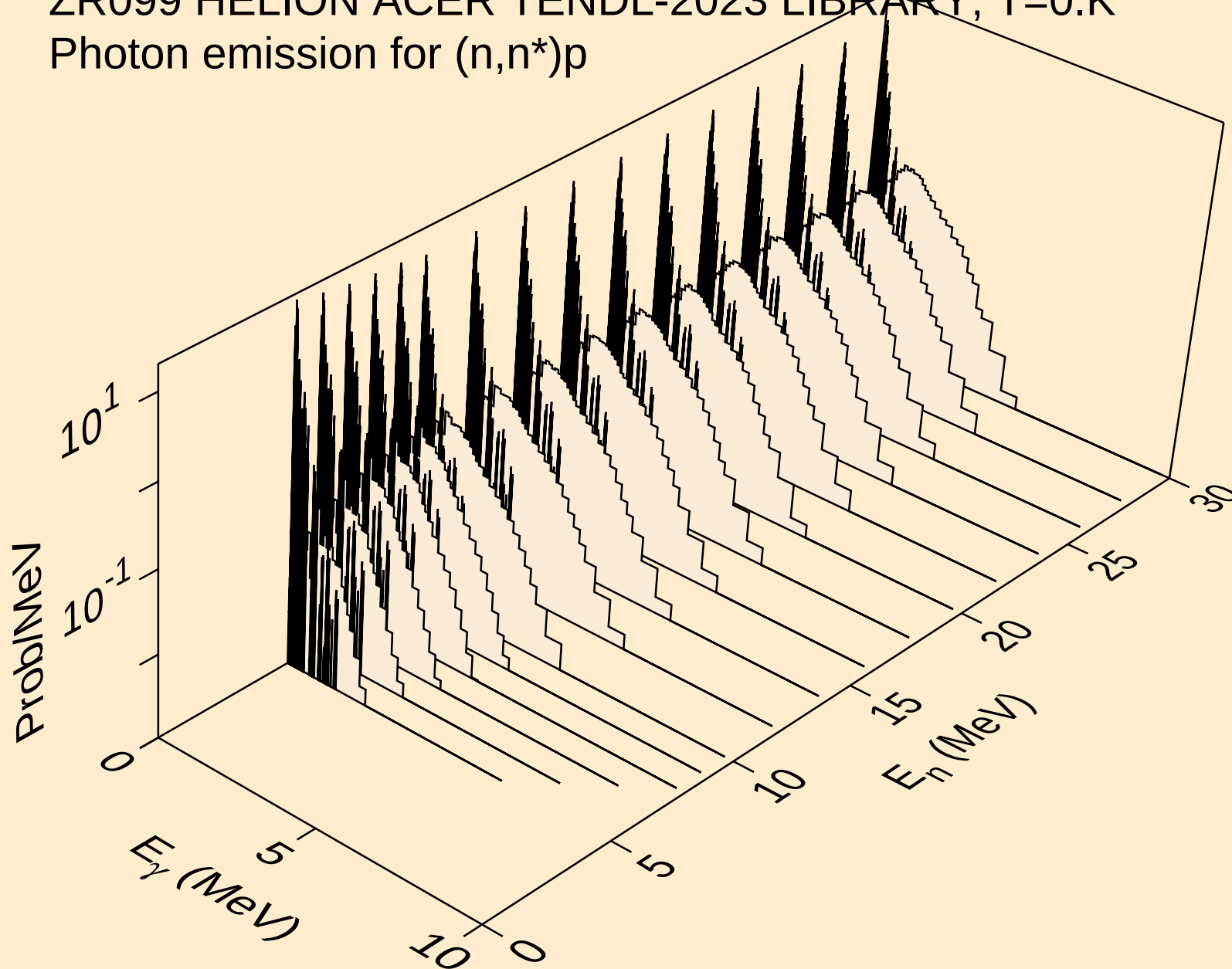


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



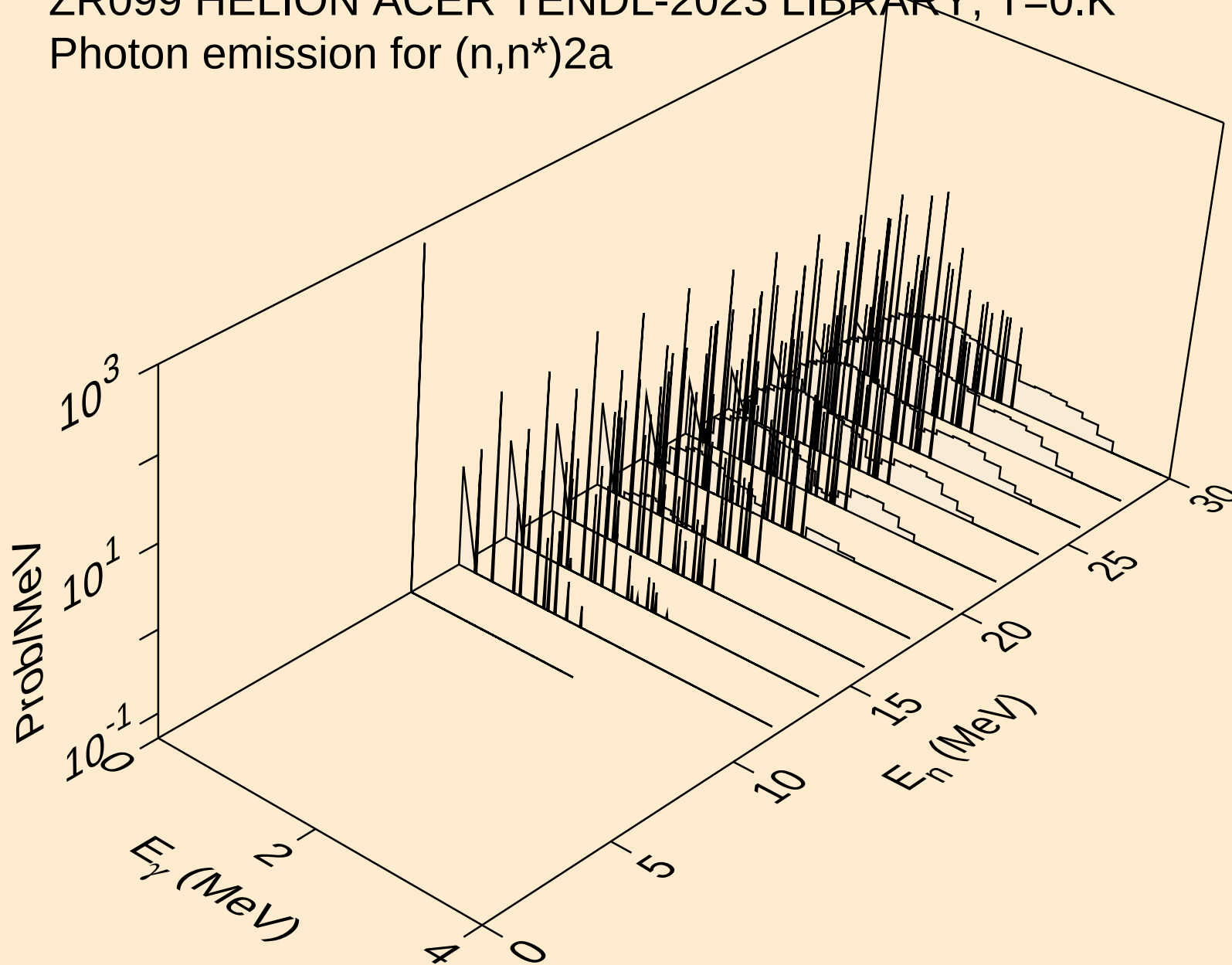
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p

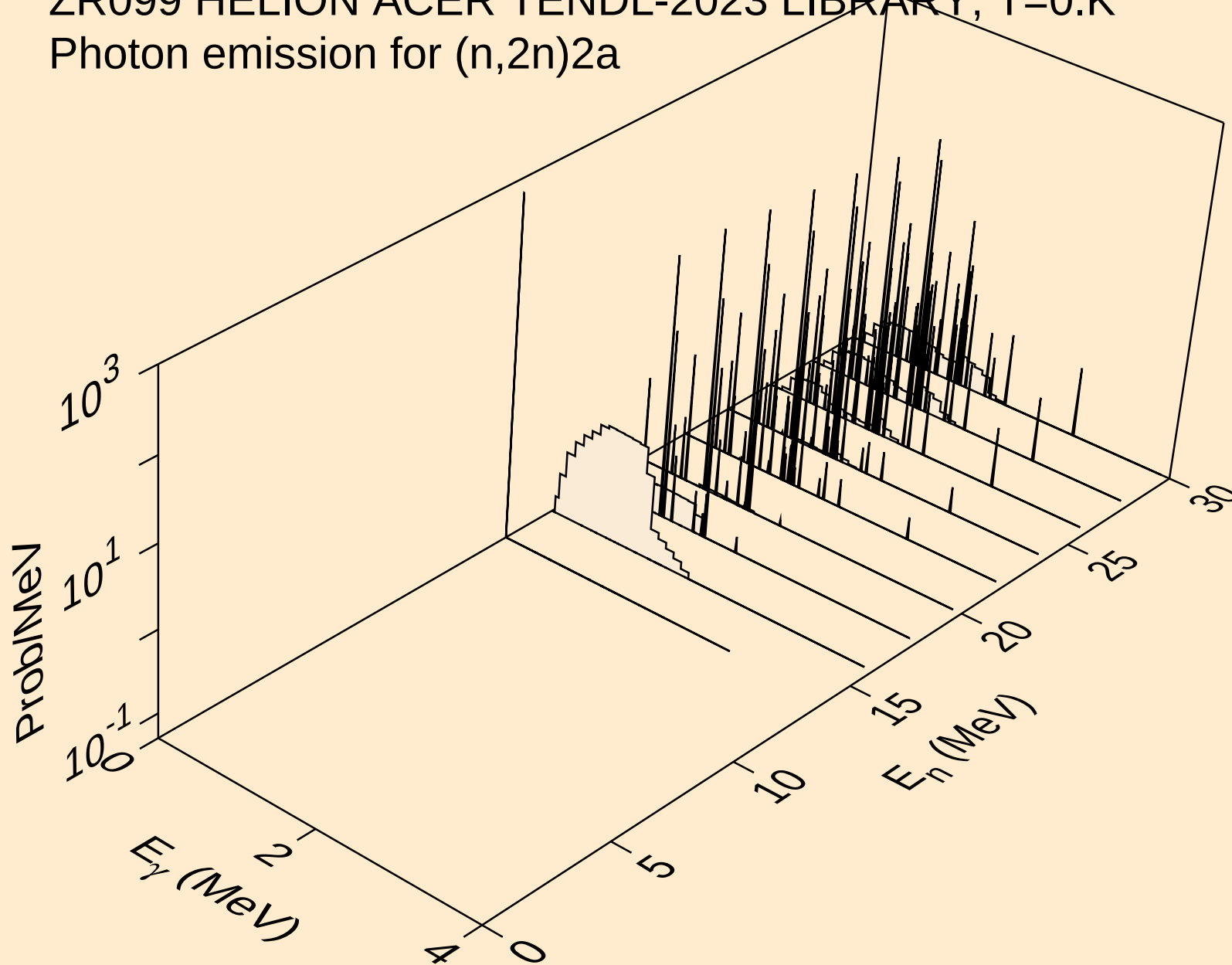


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

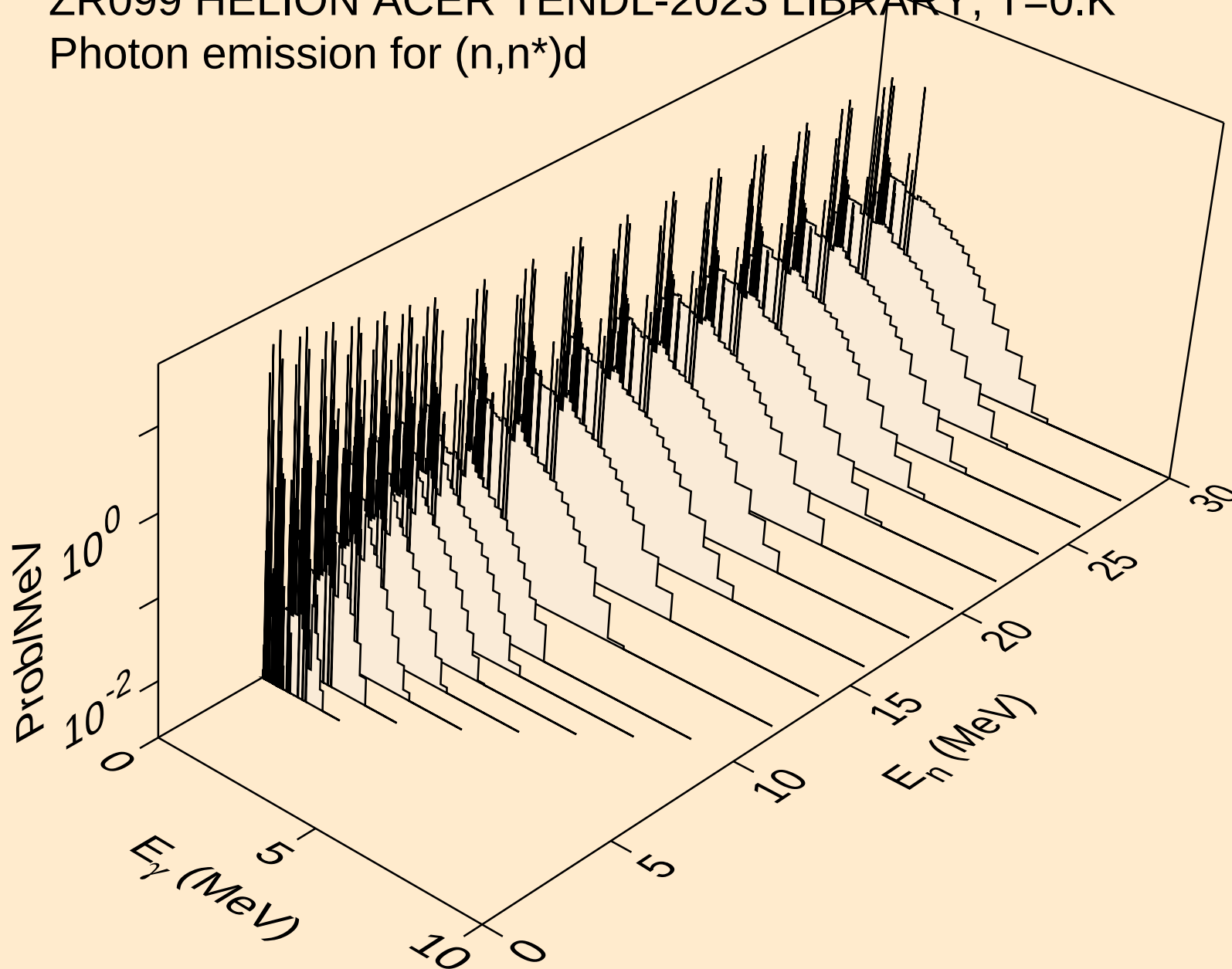
Photon emission for (n,n*)2a



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)2a

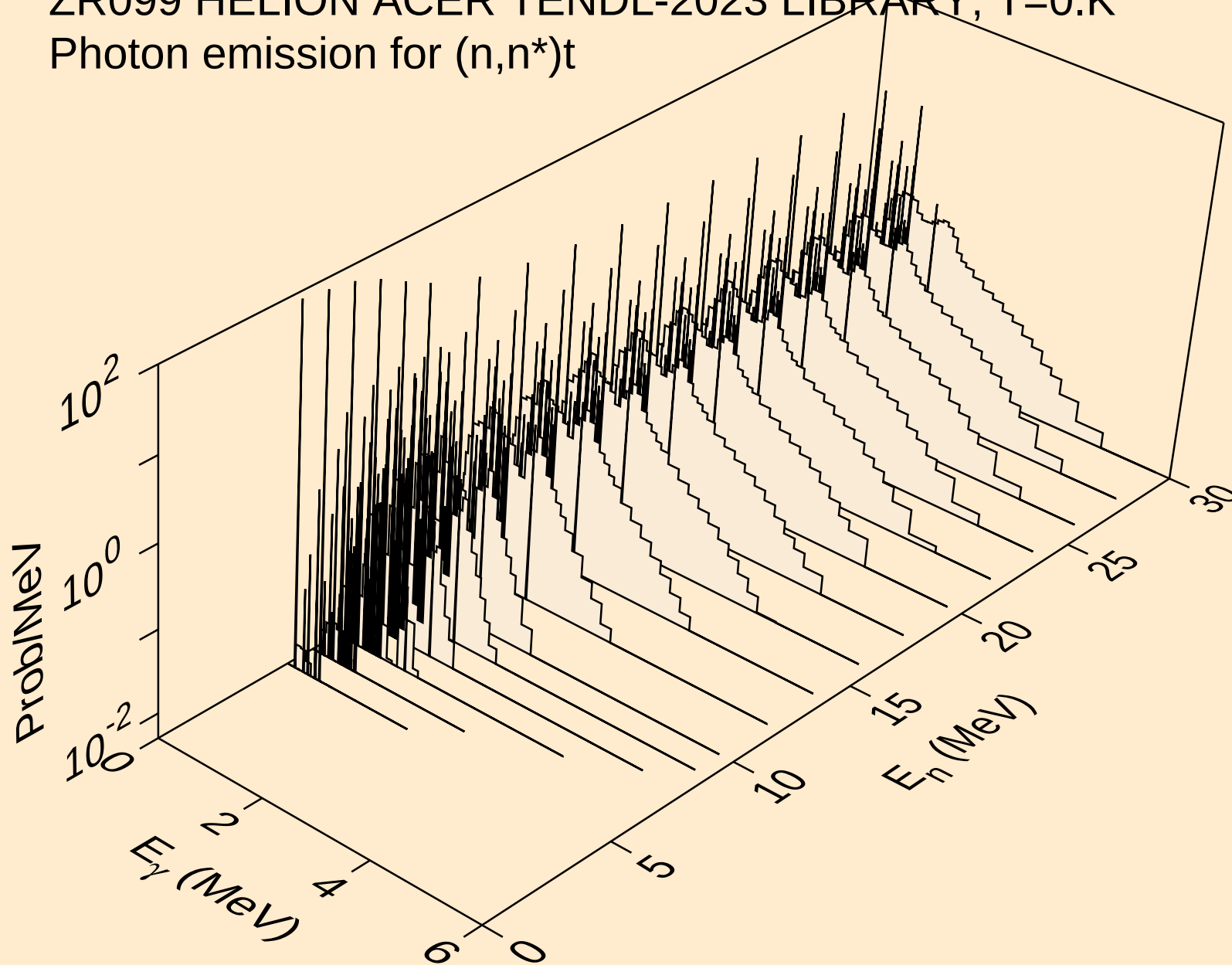


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d

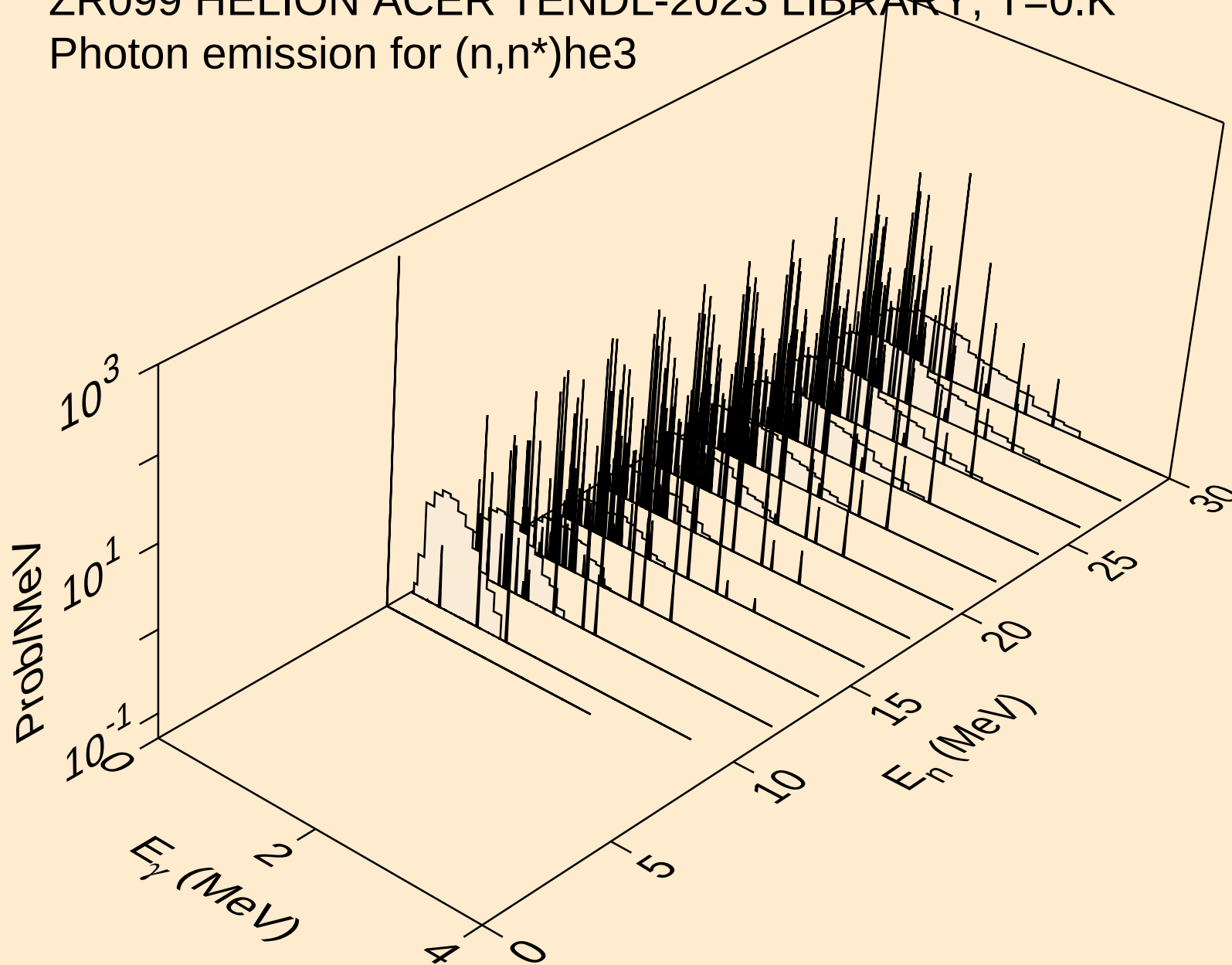


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

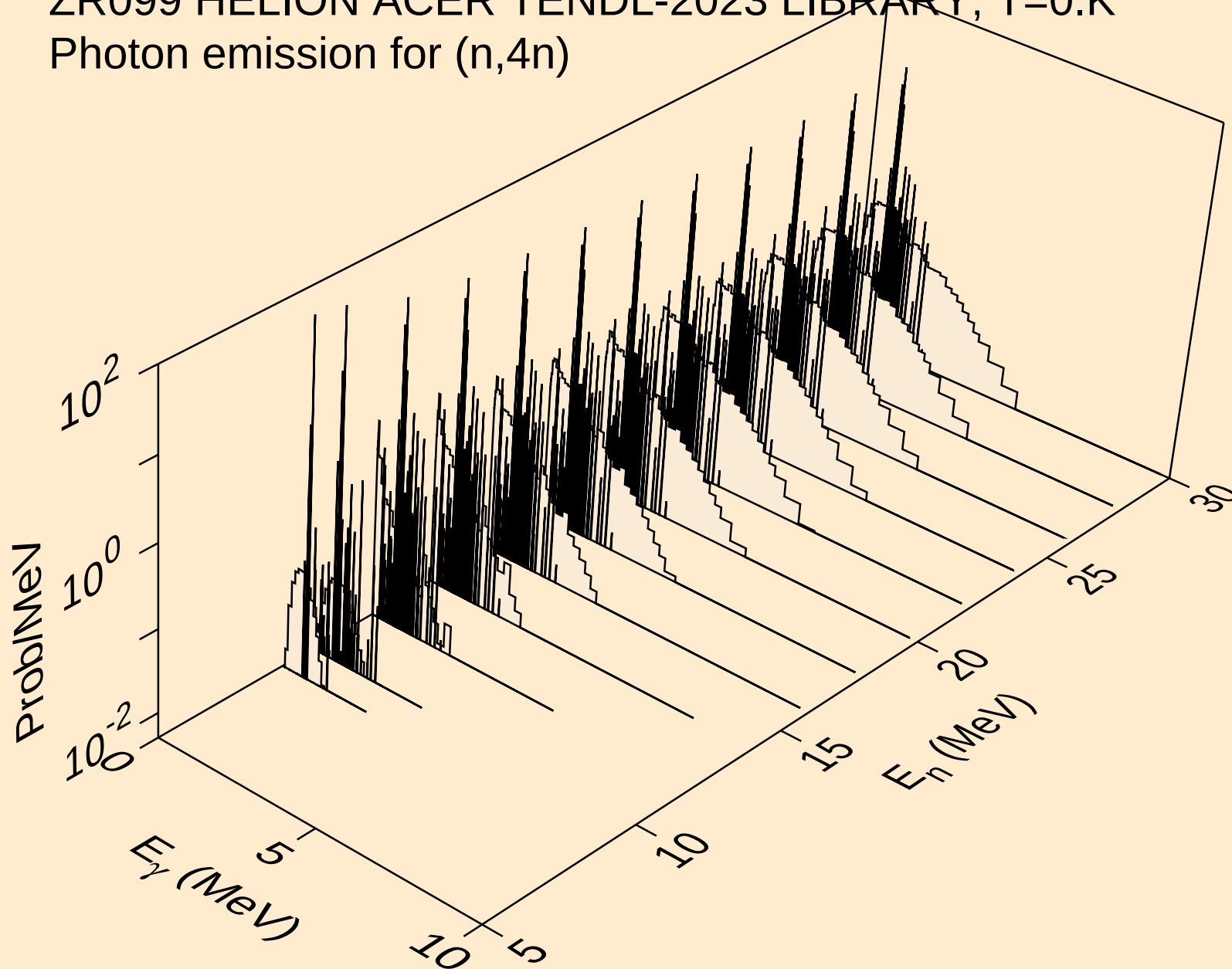
Photon emission for (n,n*)t



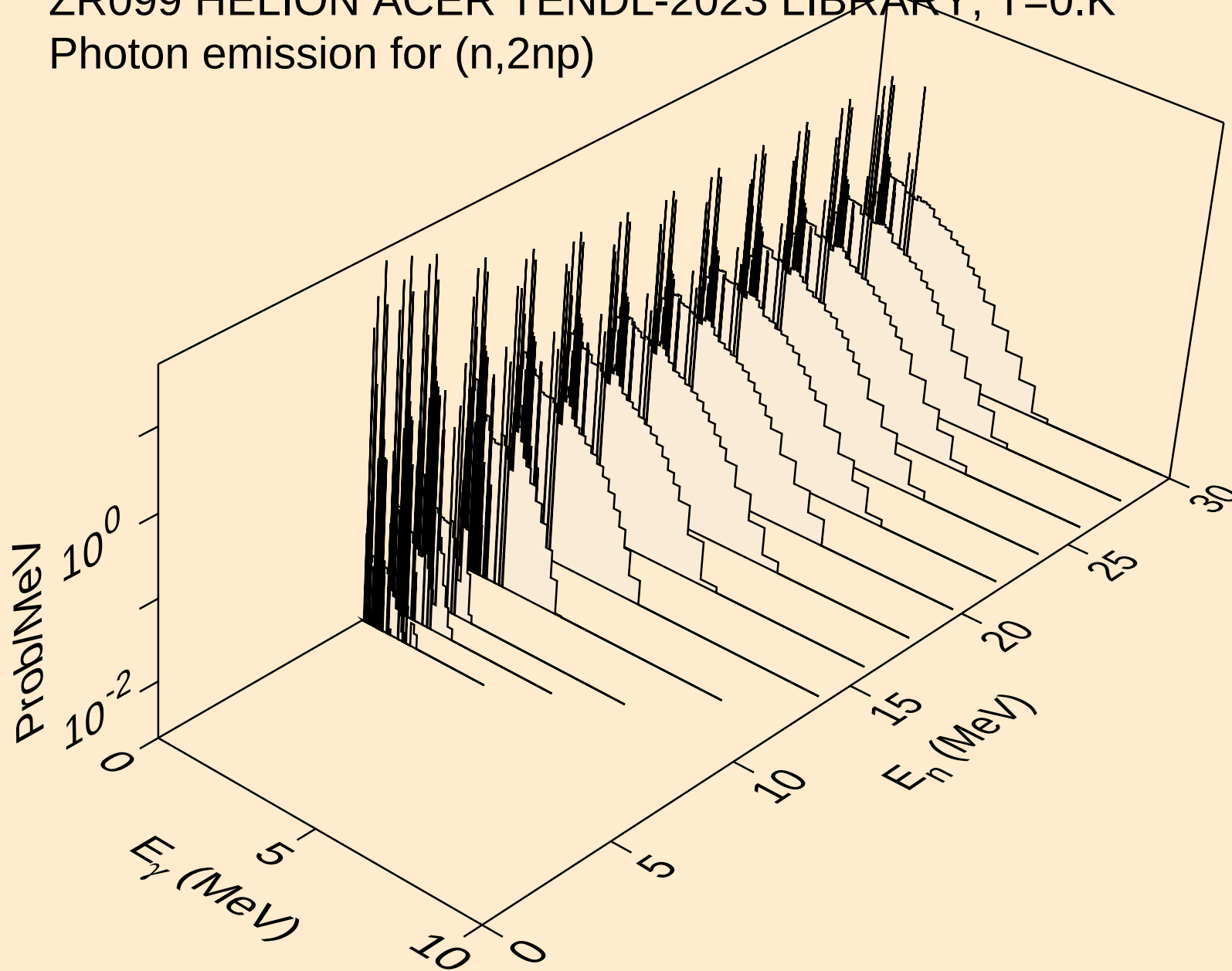
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



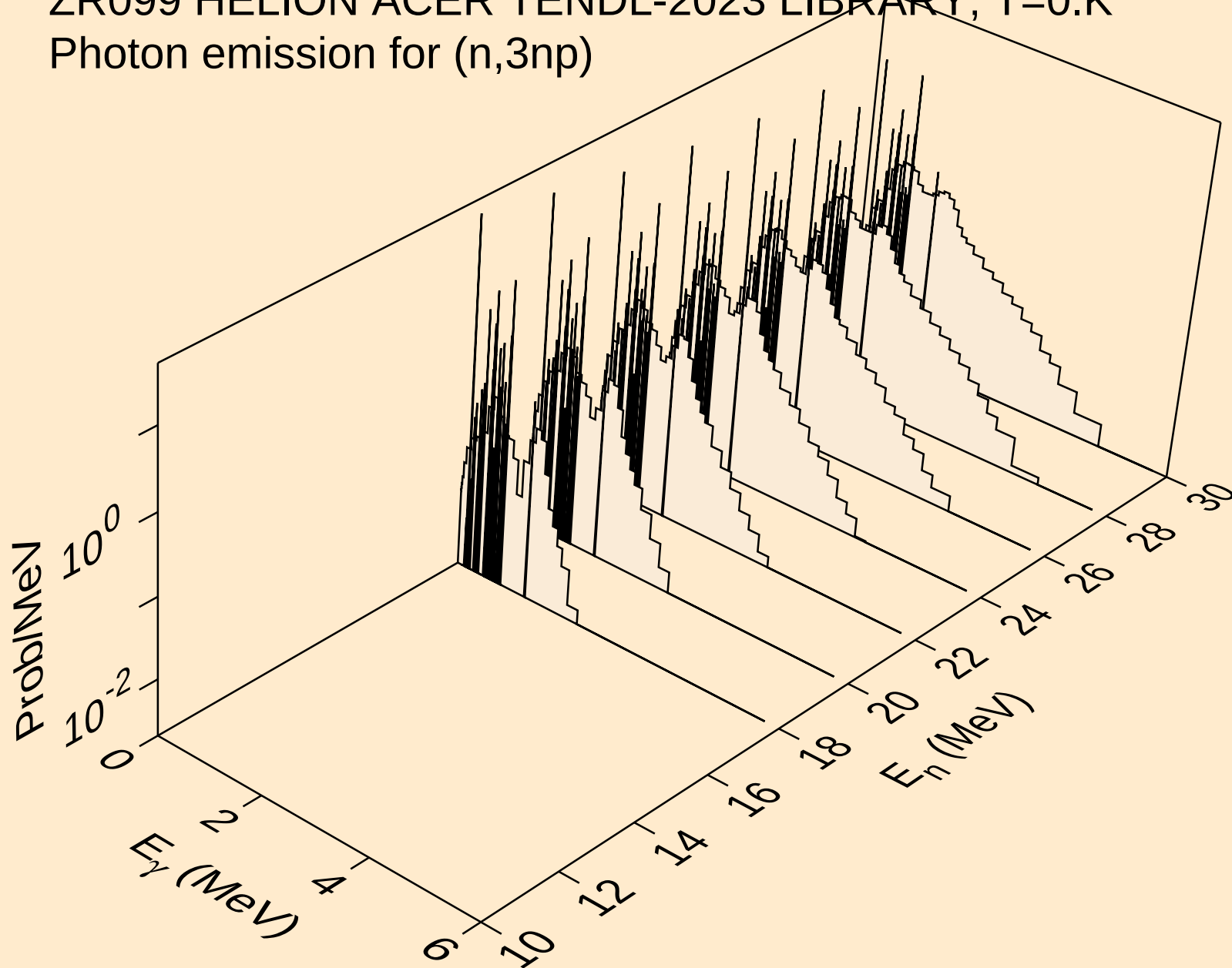
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



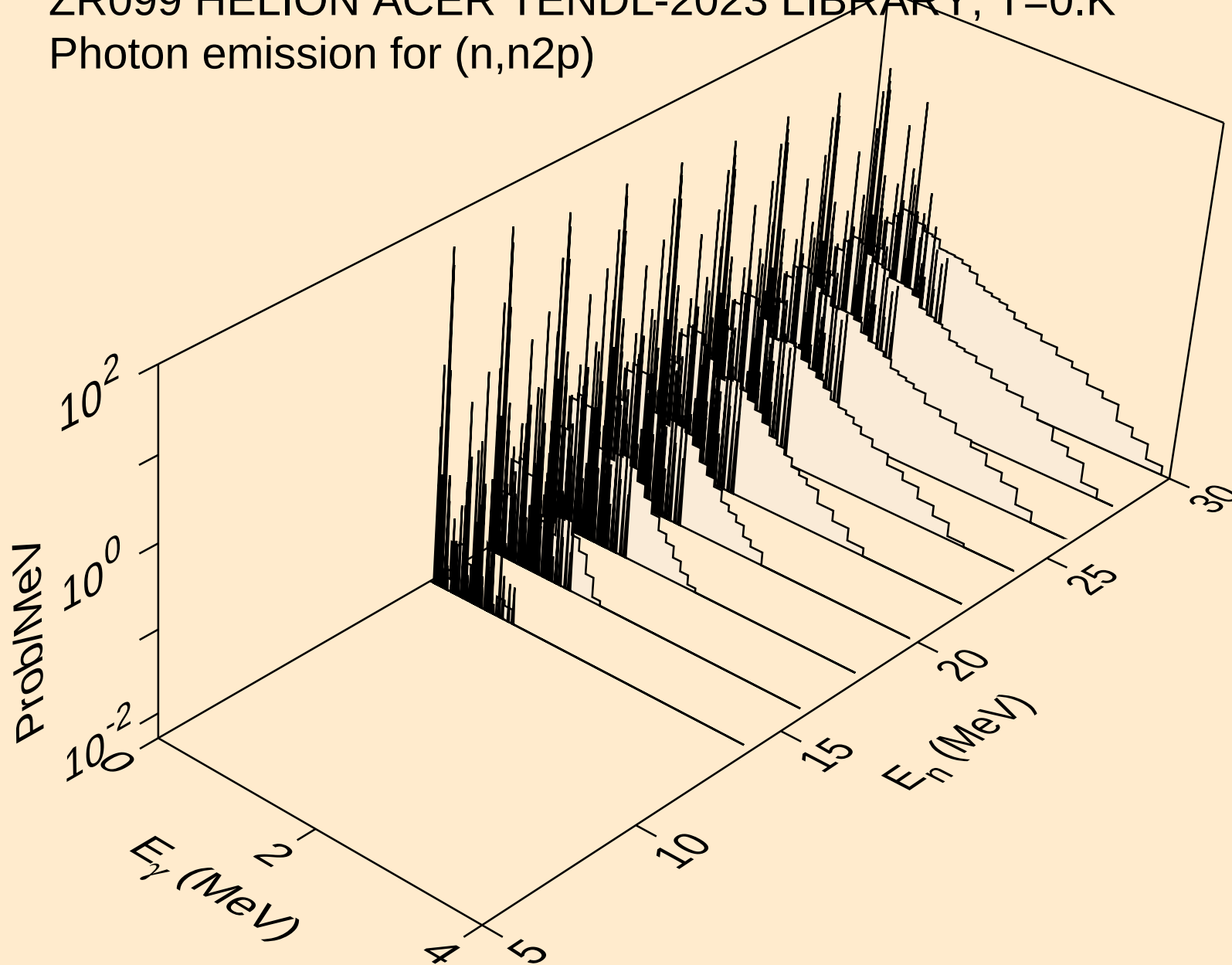
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



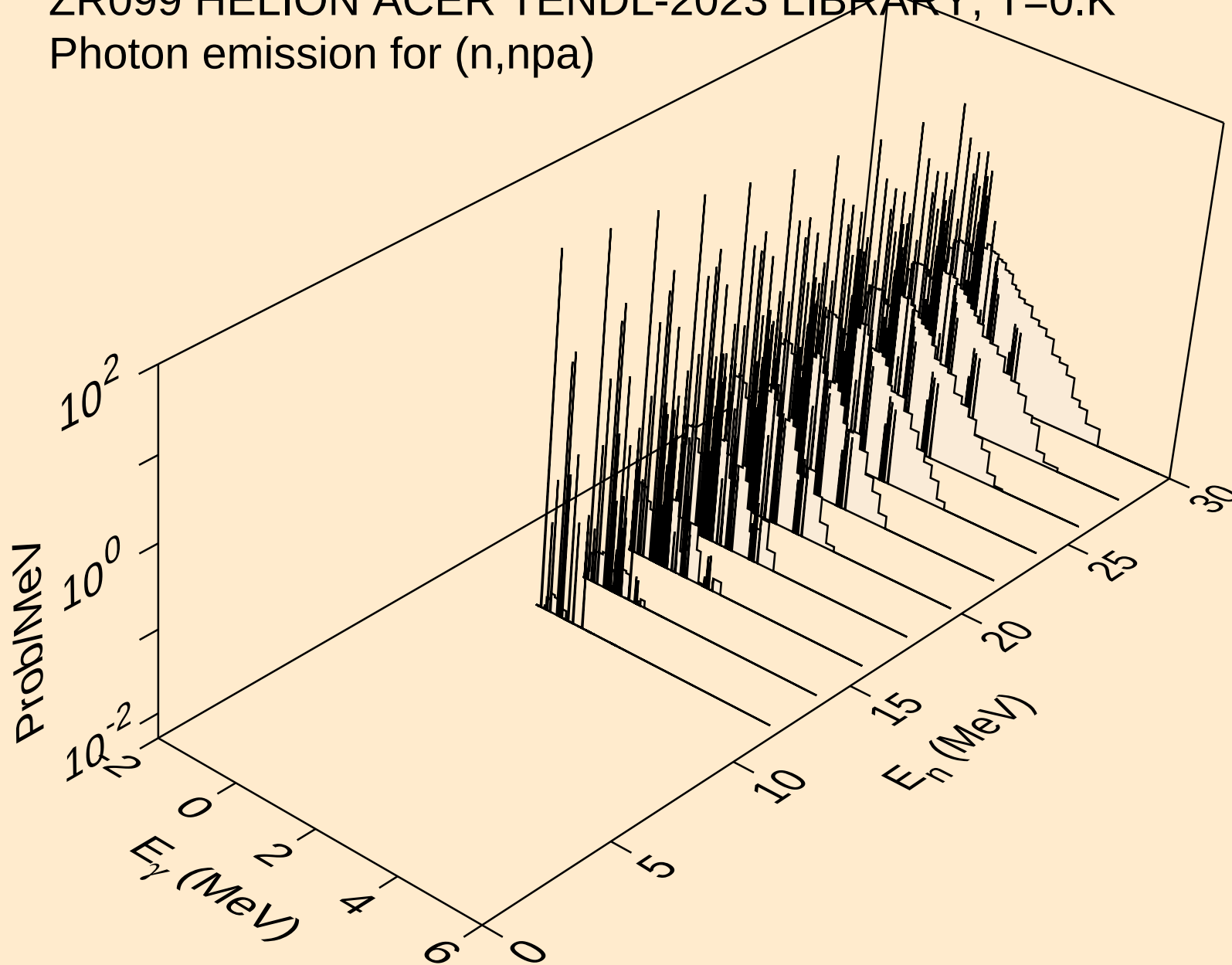
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Photon emission for (n,3np)



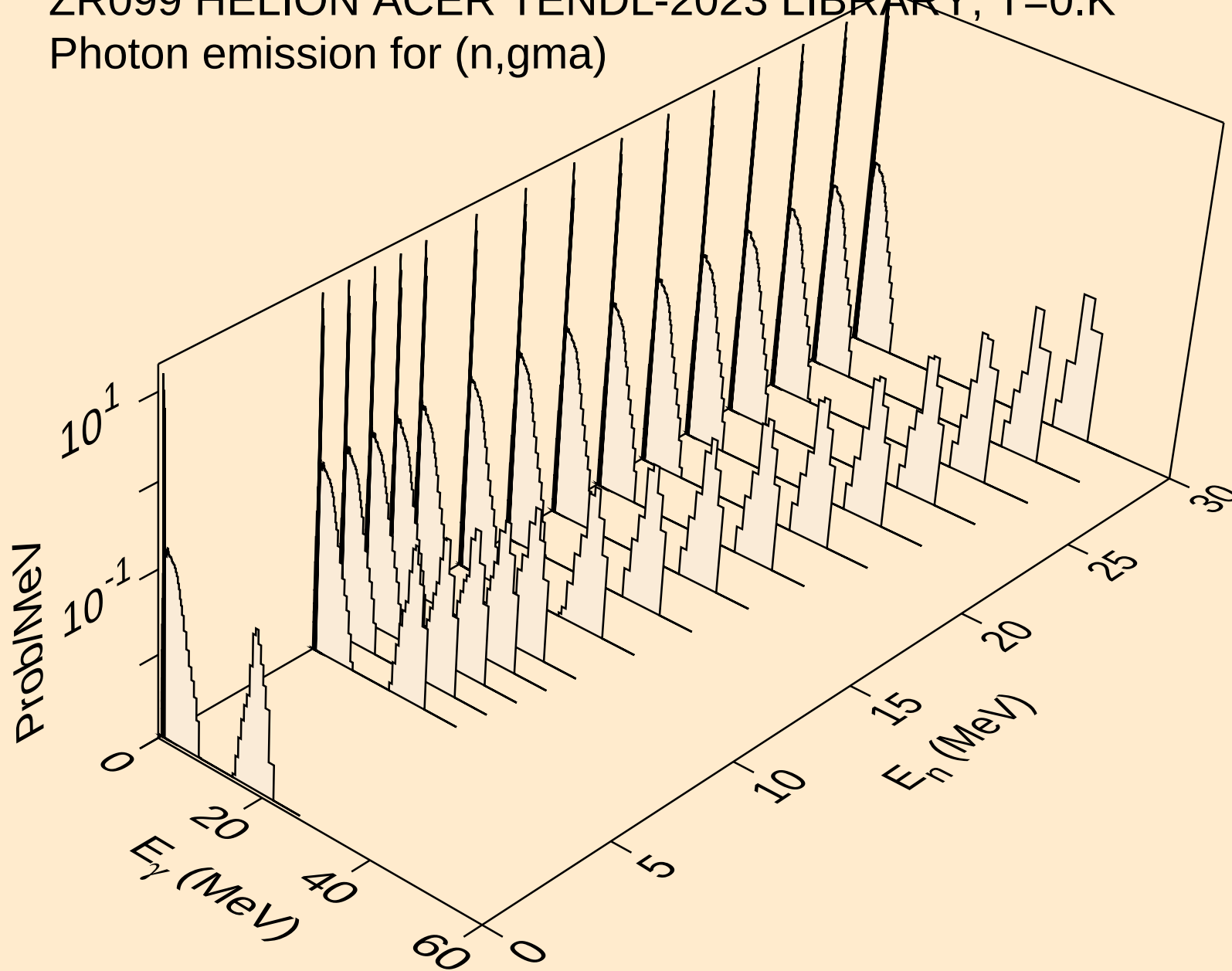
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



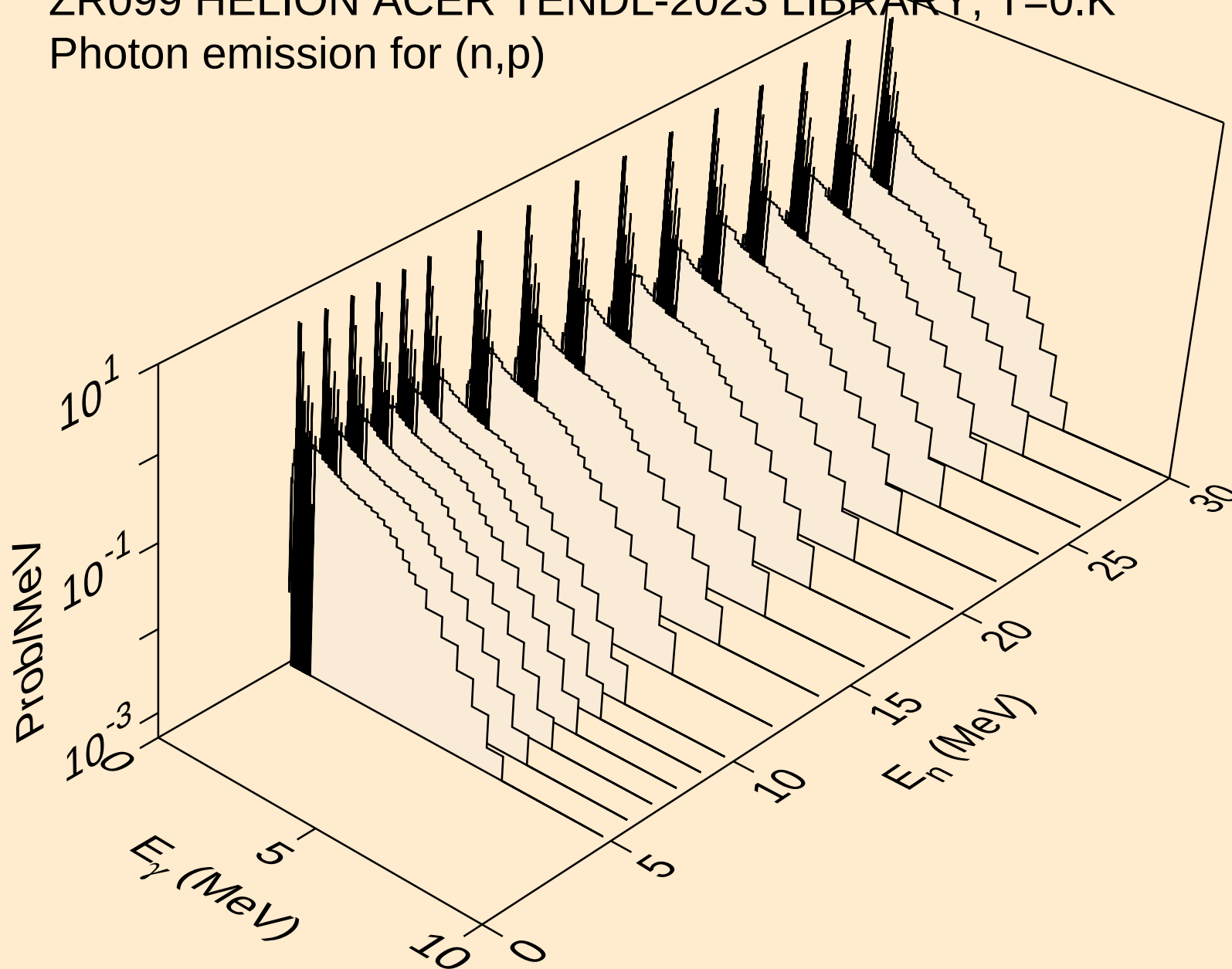
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Photon emission for (n,npa)



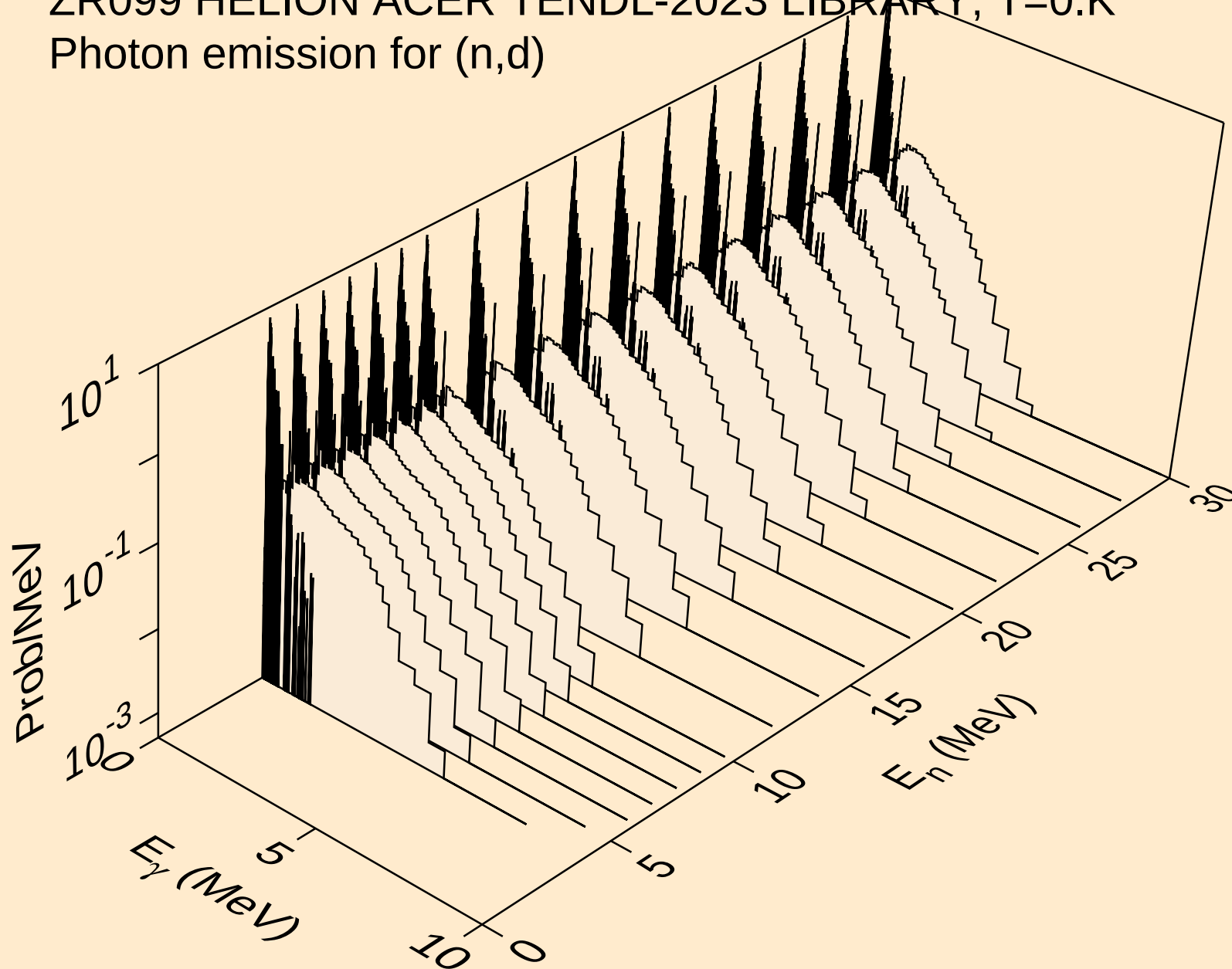
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Photon emission for (n,gma)



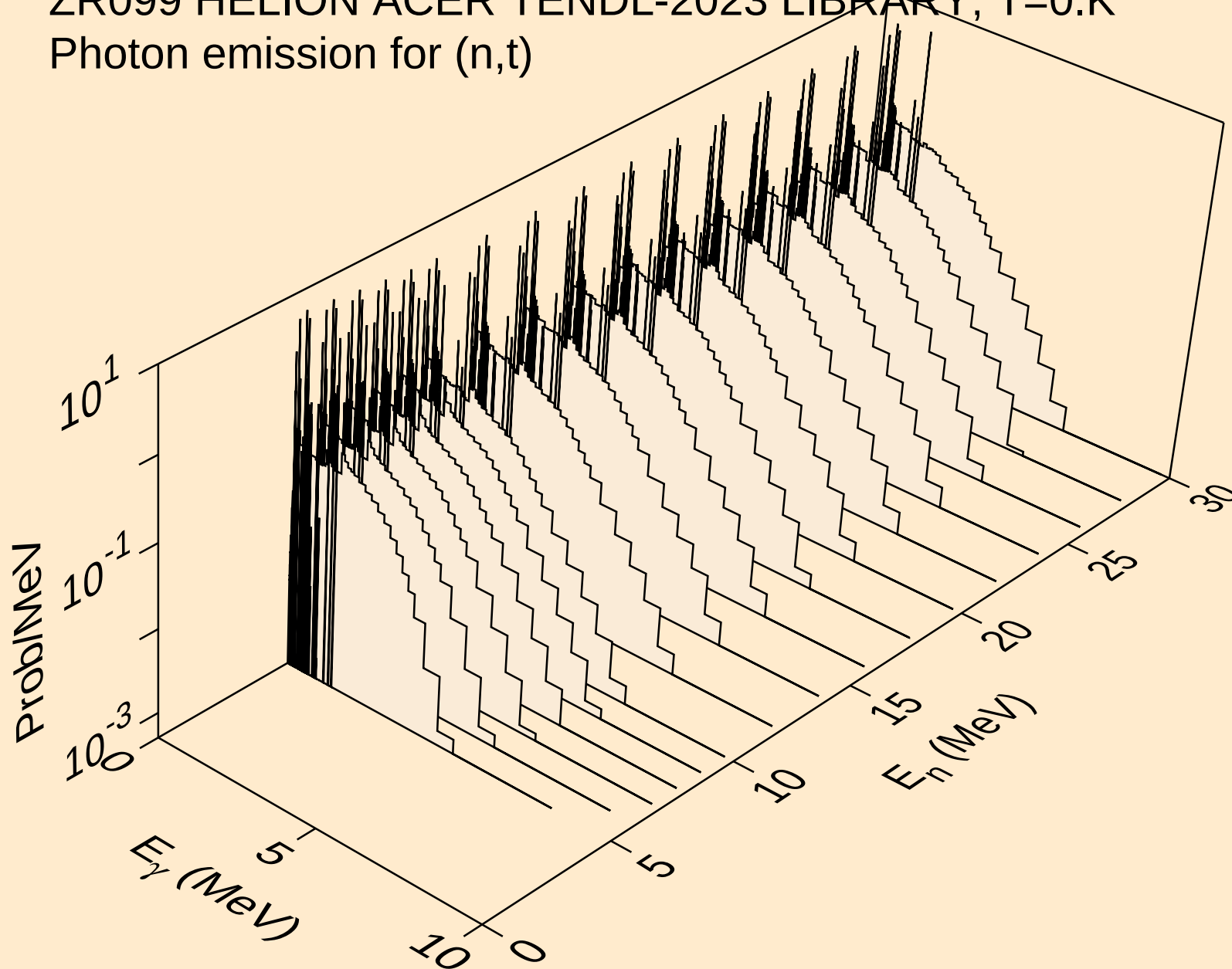
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



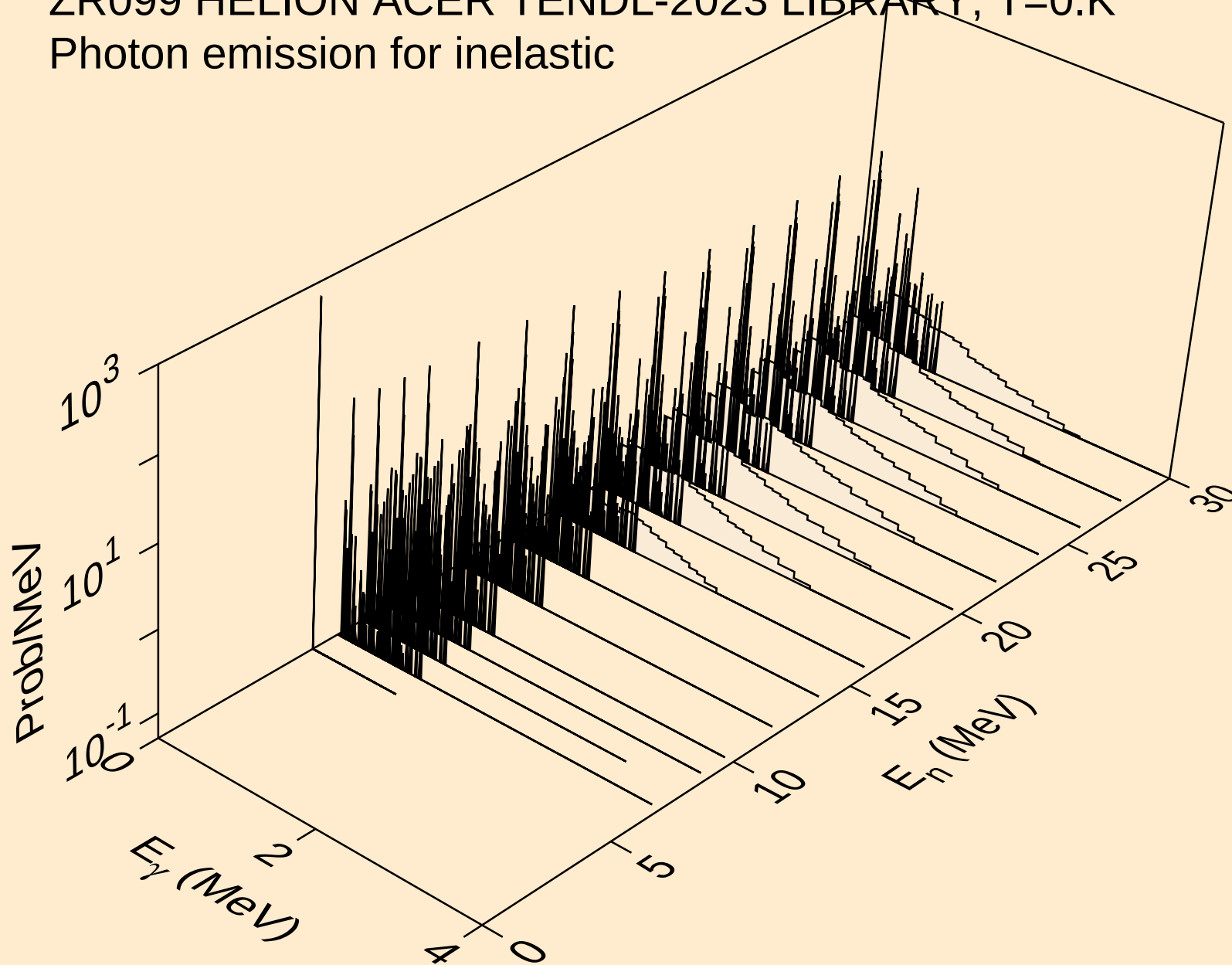
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Photon emission for (n,d)



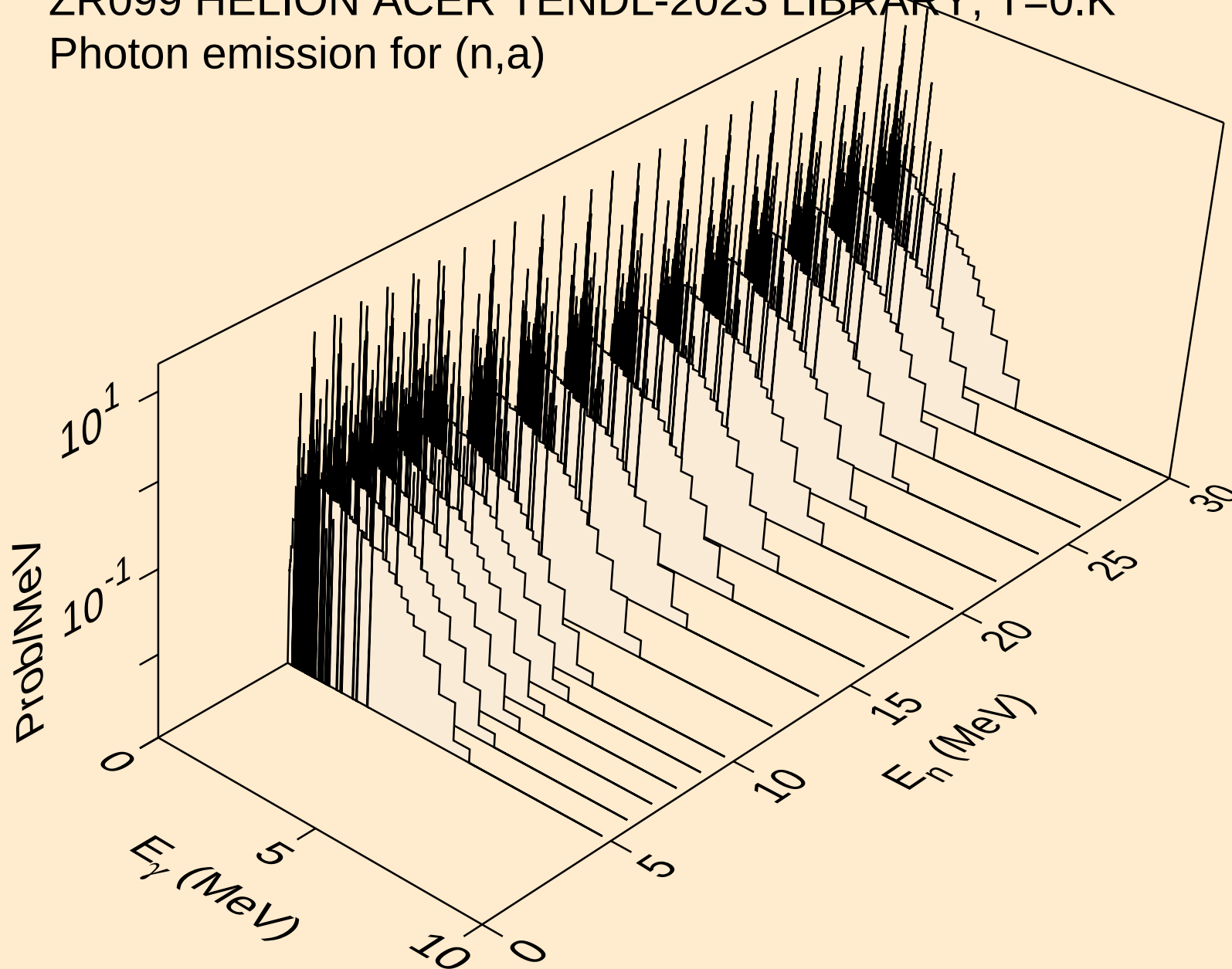
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Photon emission for (n,t)



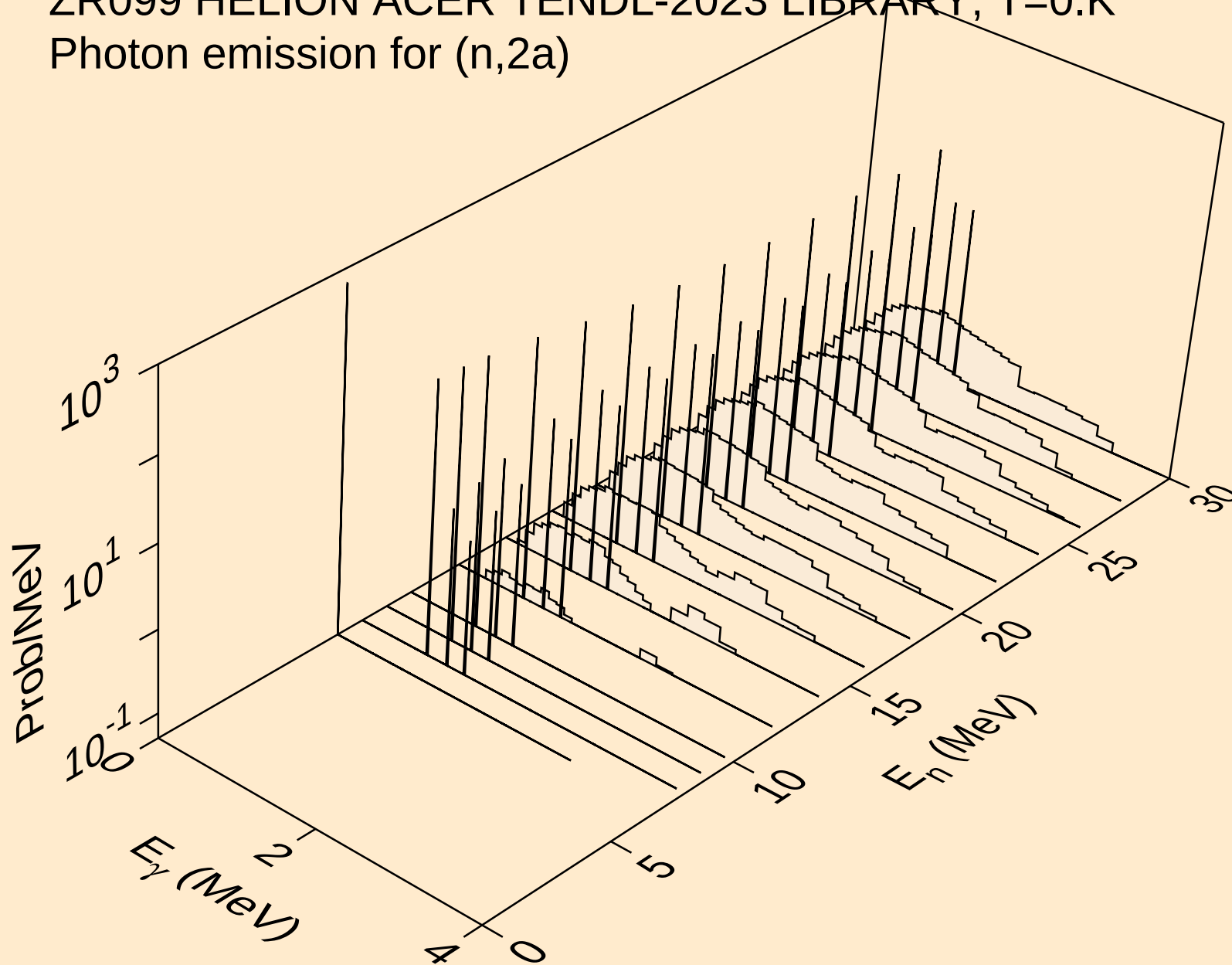
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



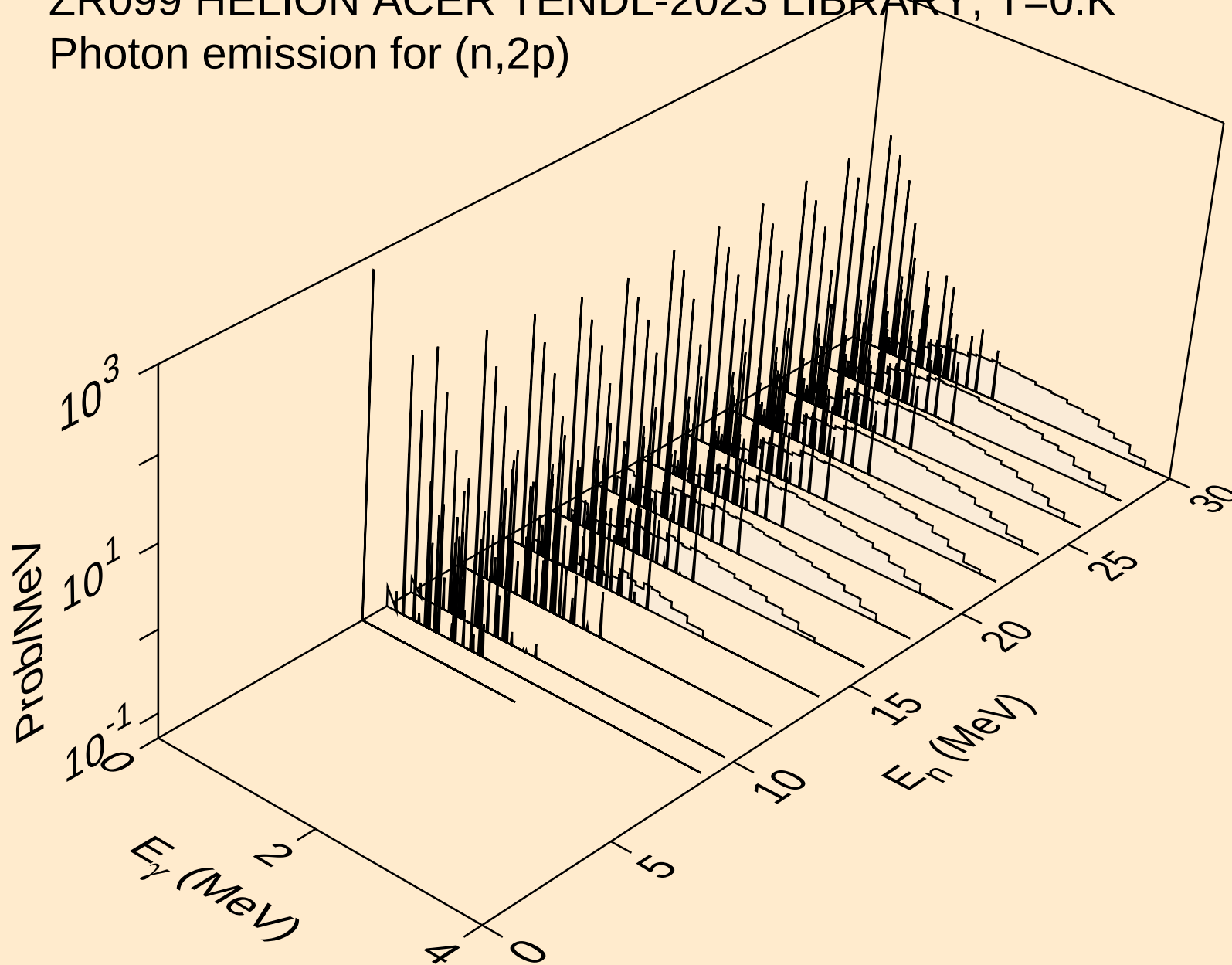
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



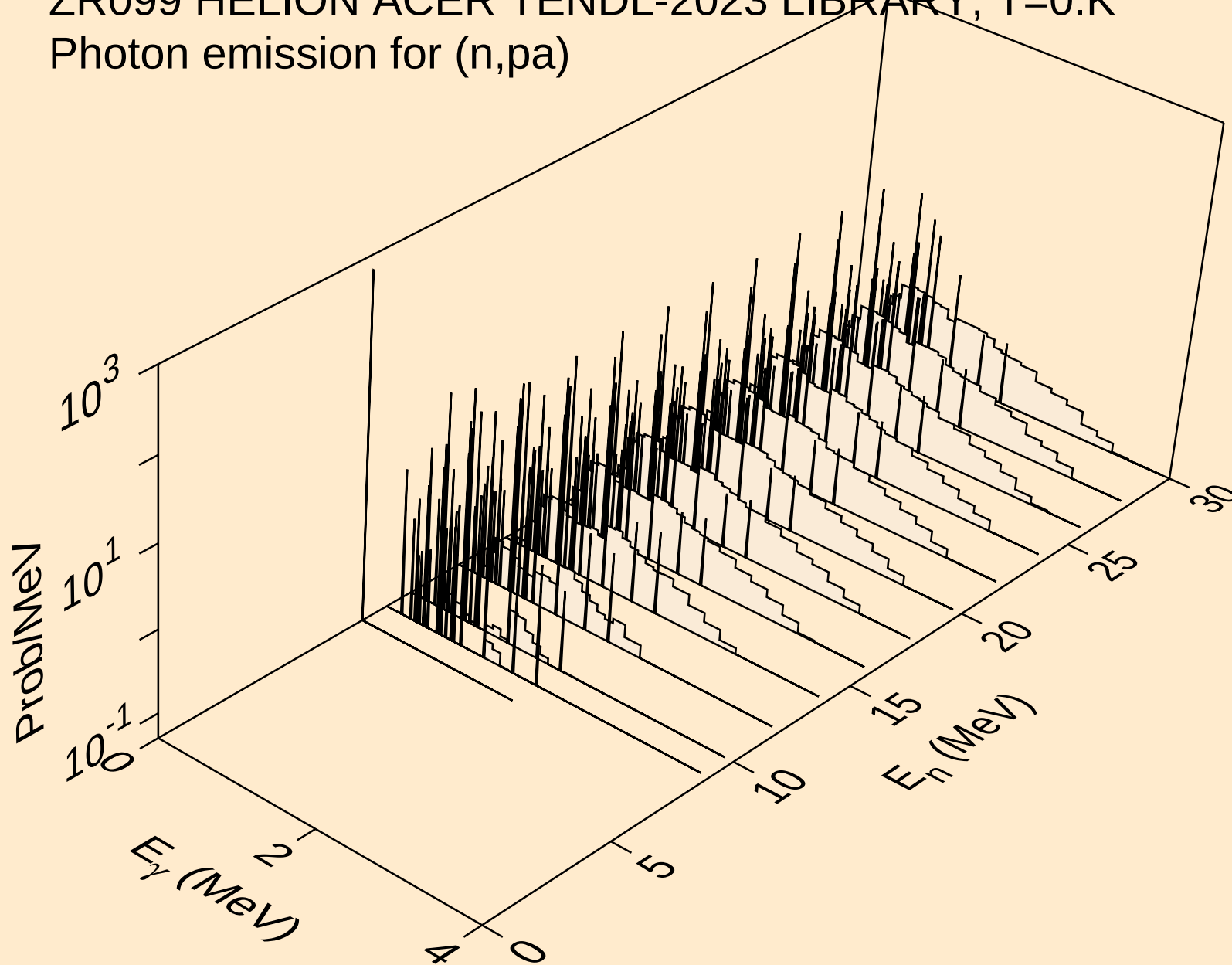
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



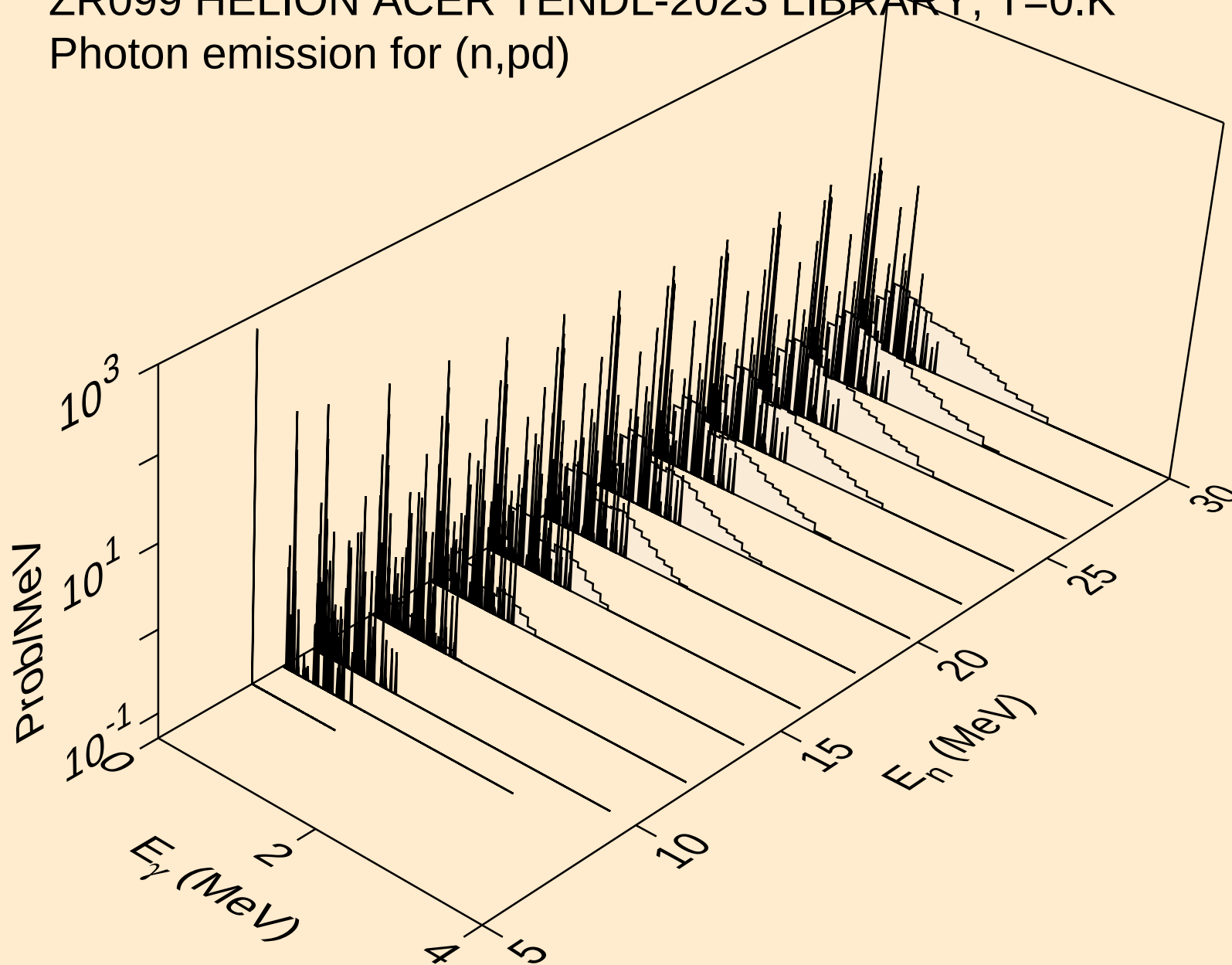
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Photon emission for (n,2p)



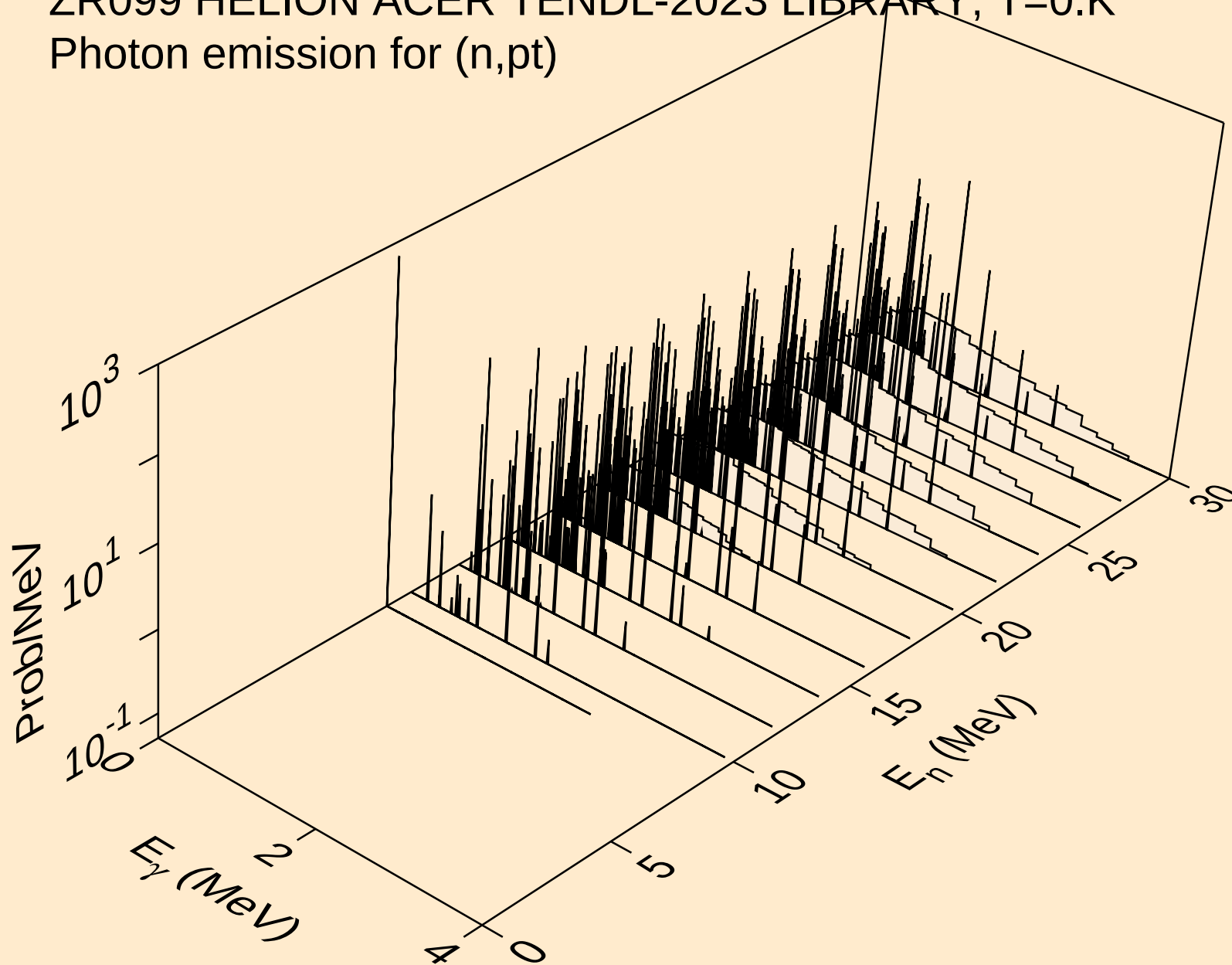
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Photon emission for (n,pa)



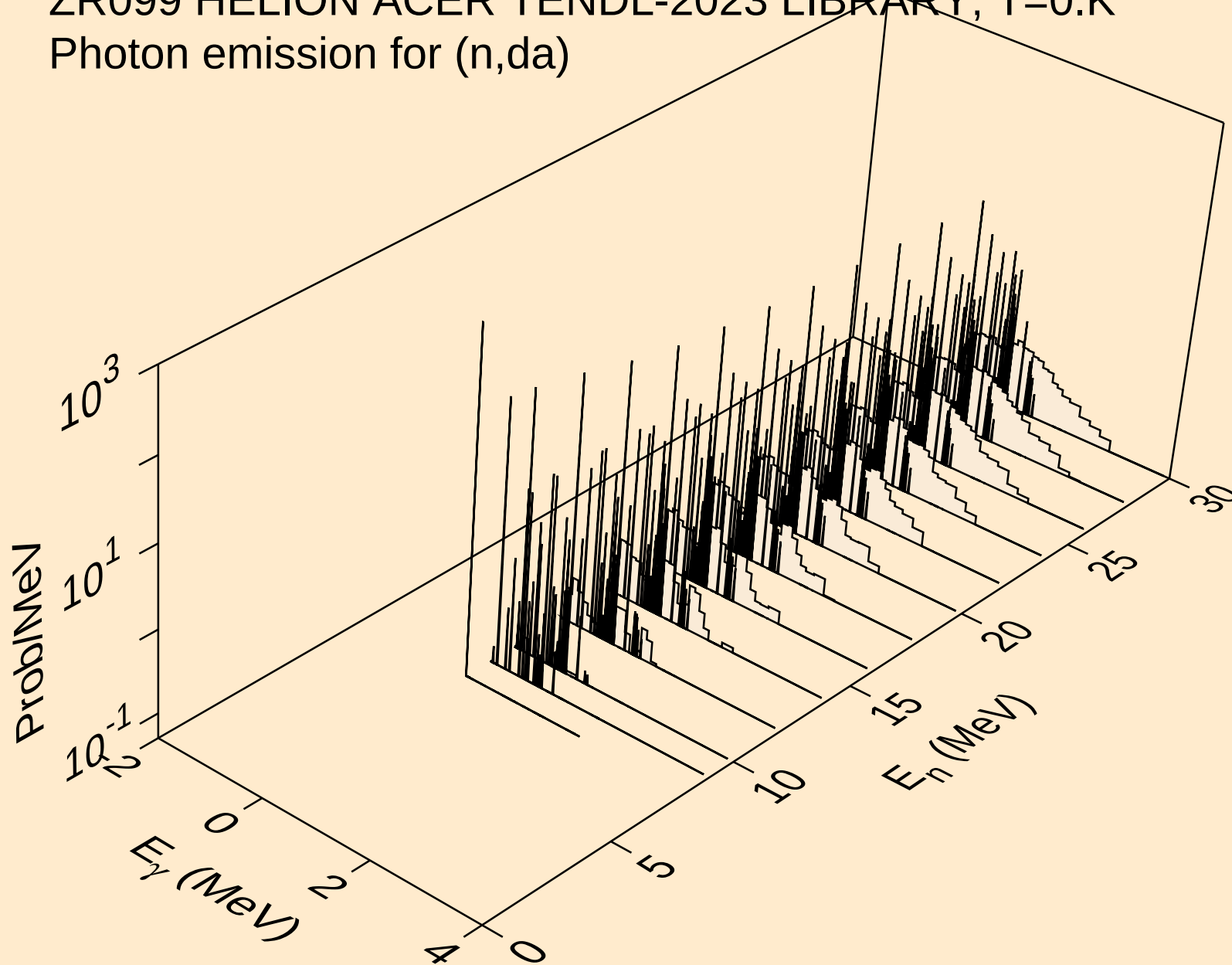
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)

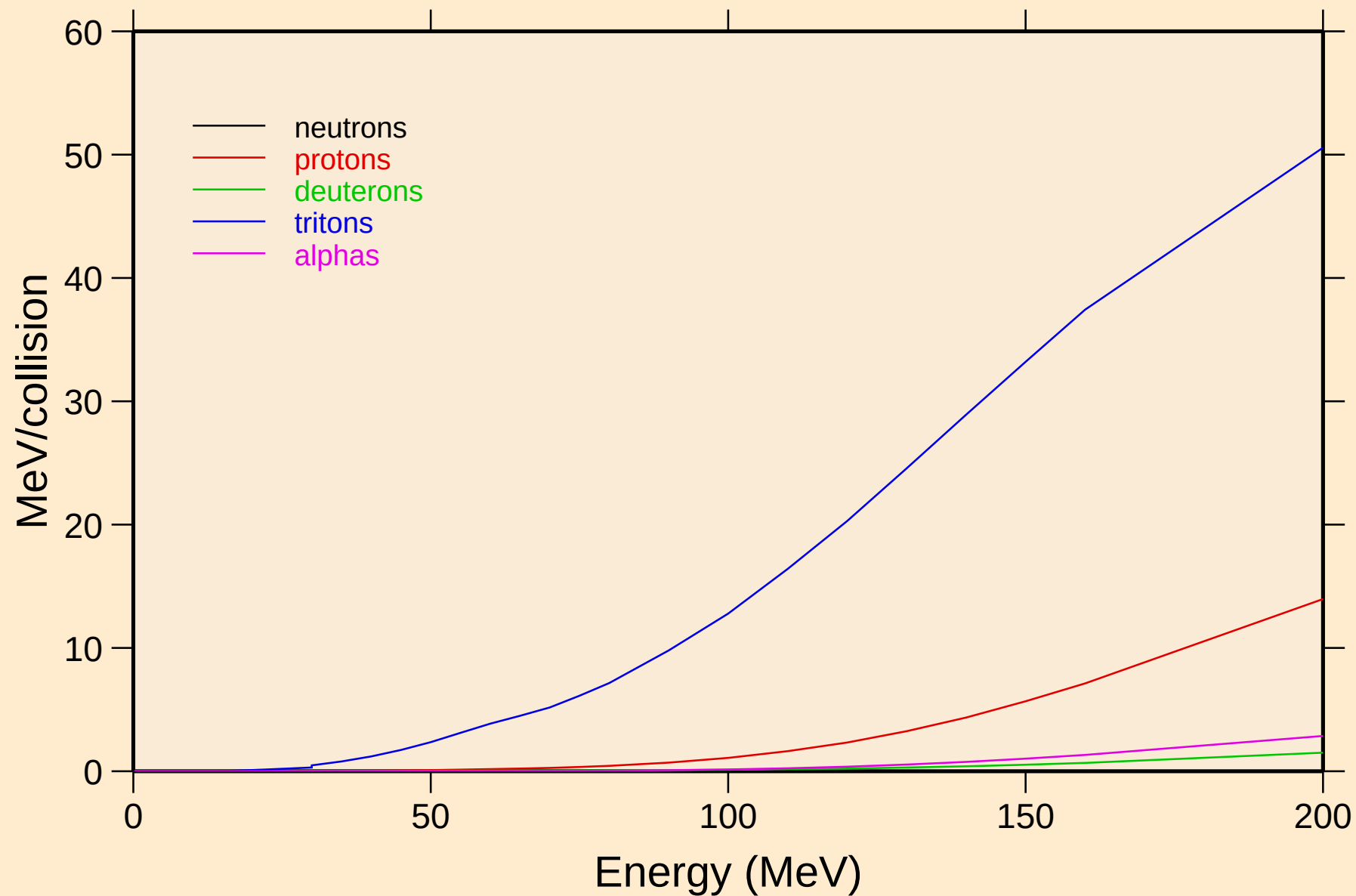


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



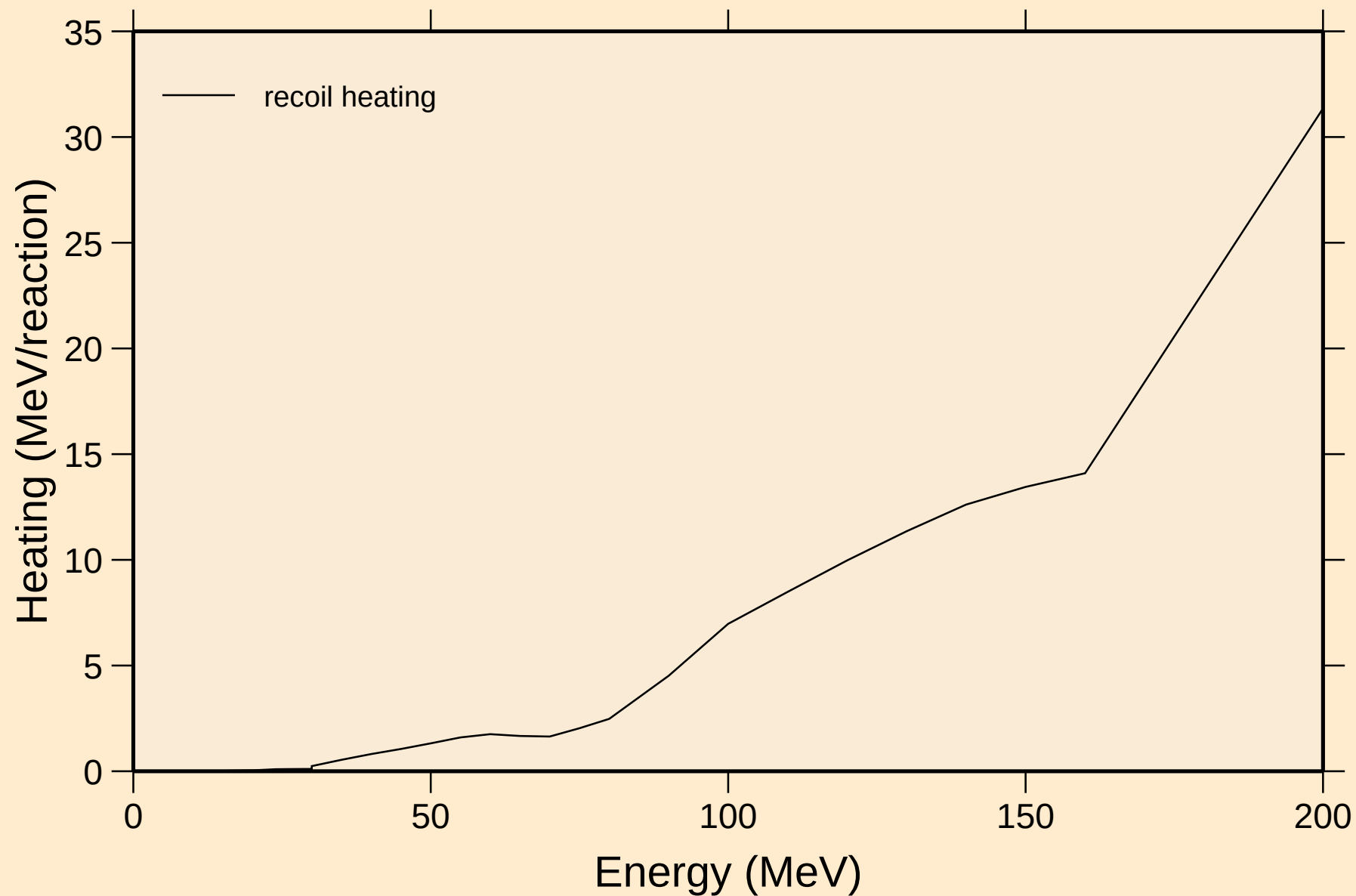
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



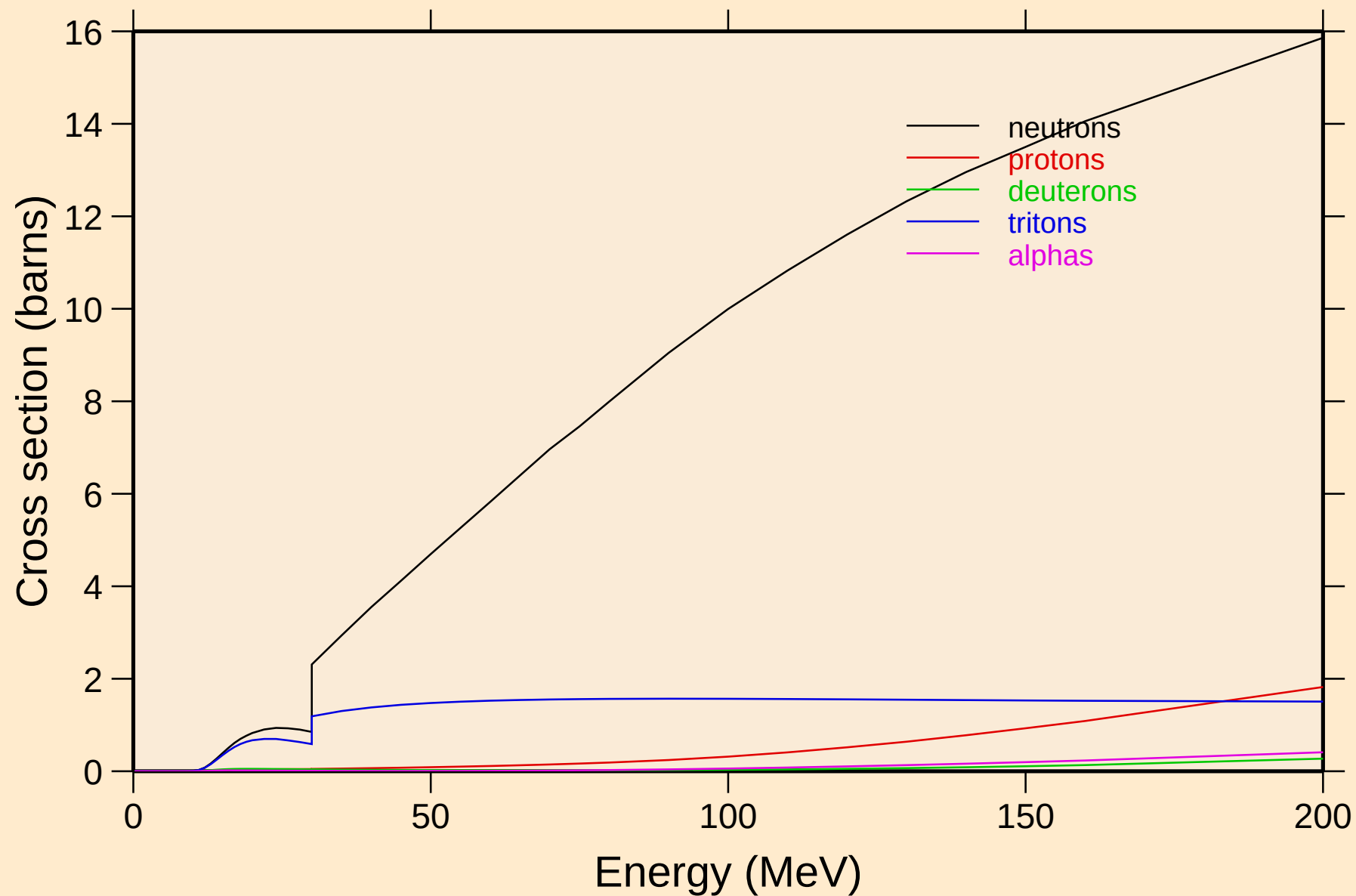
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

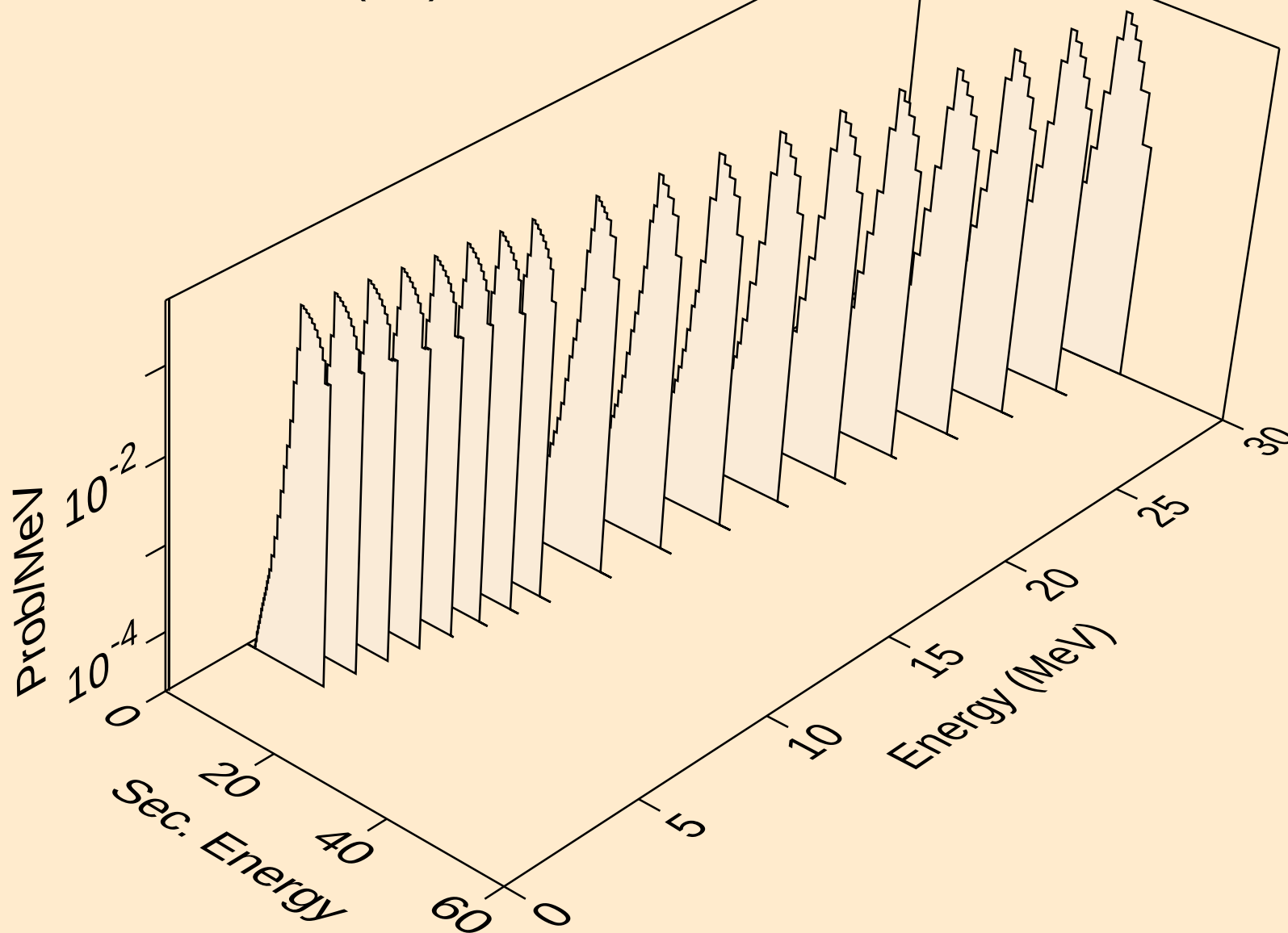


ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K

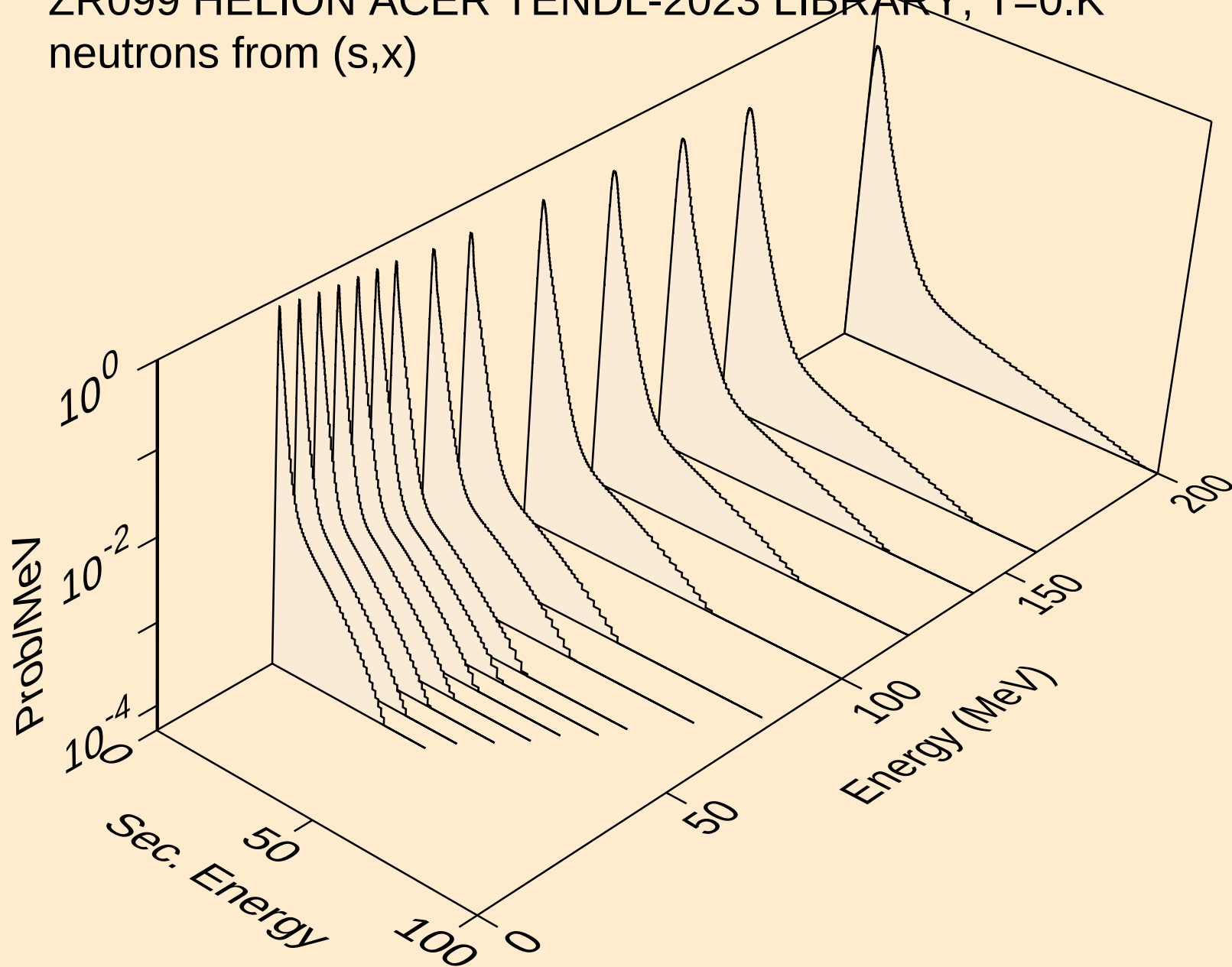
Particle production cross sections



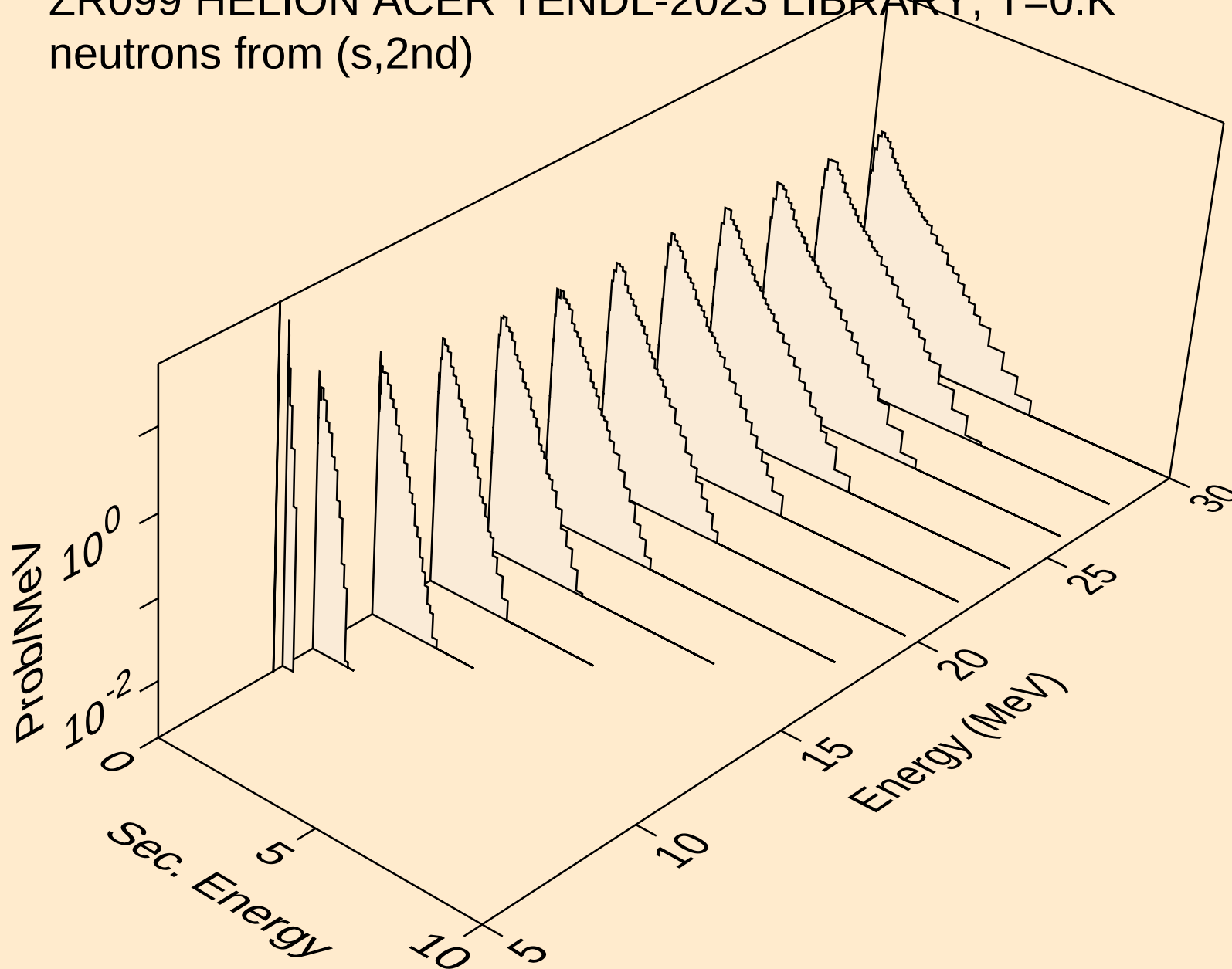
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n)



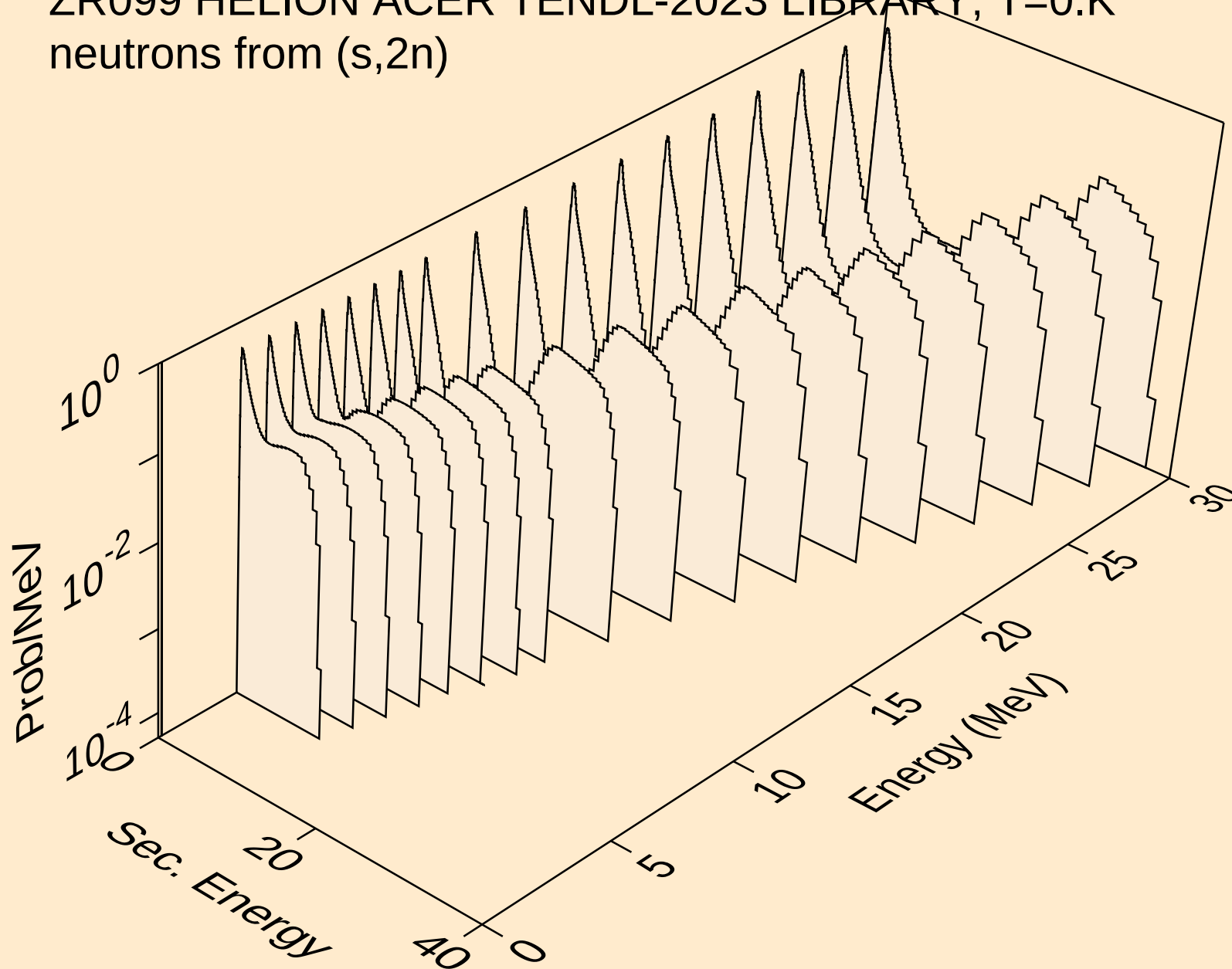
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,x)



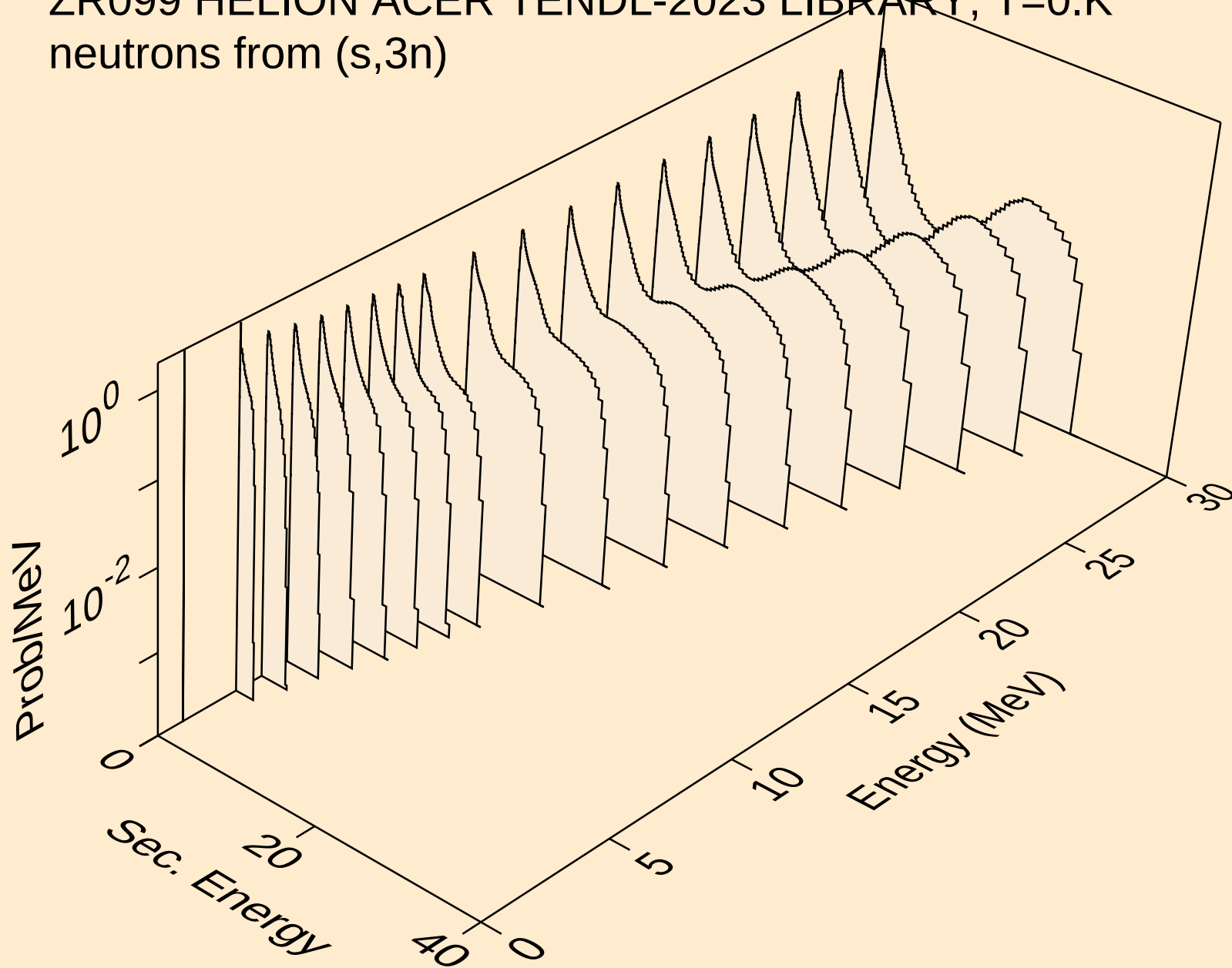
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neutrons from (s,2nd)



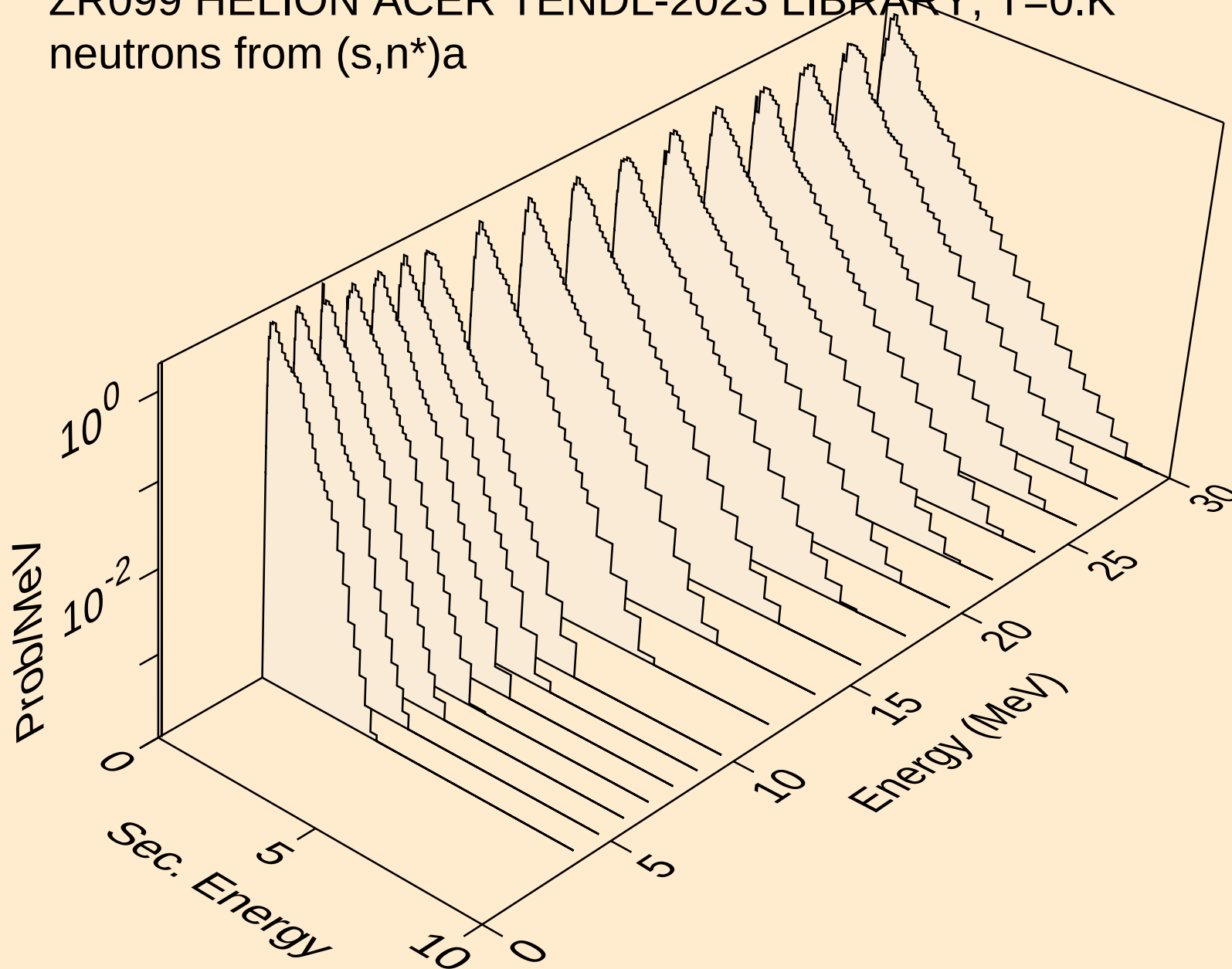
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)



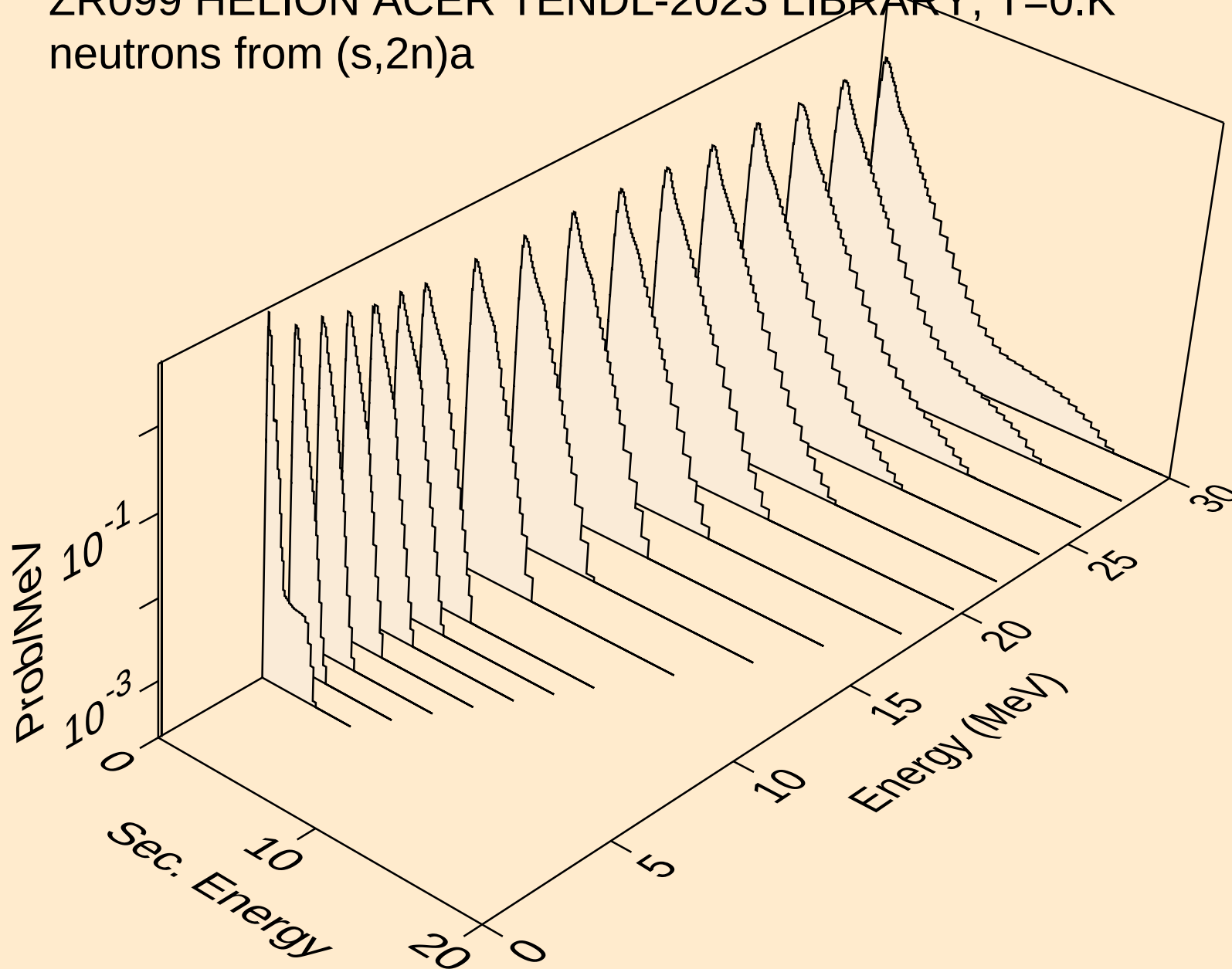
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,3n)



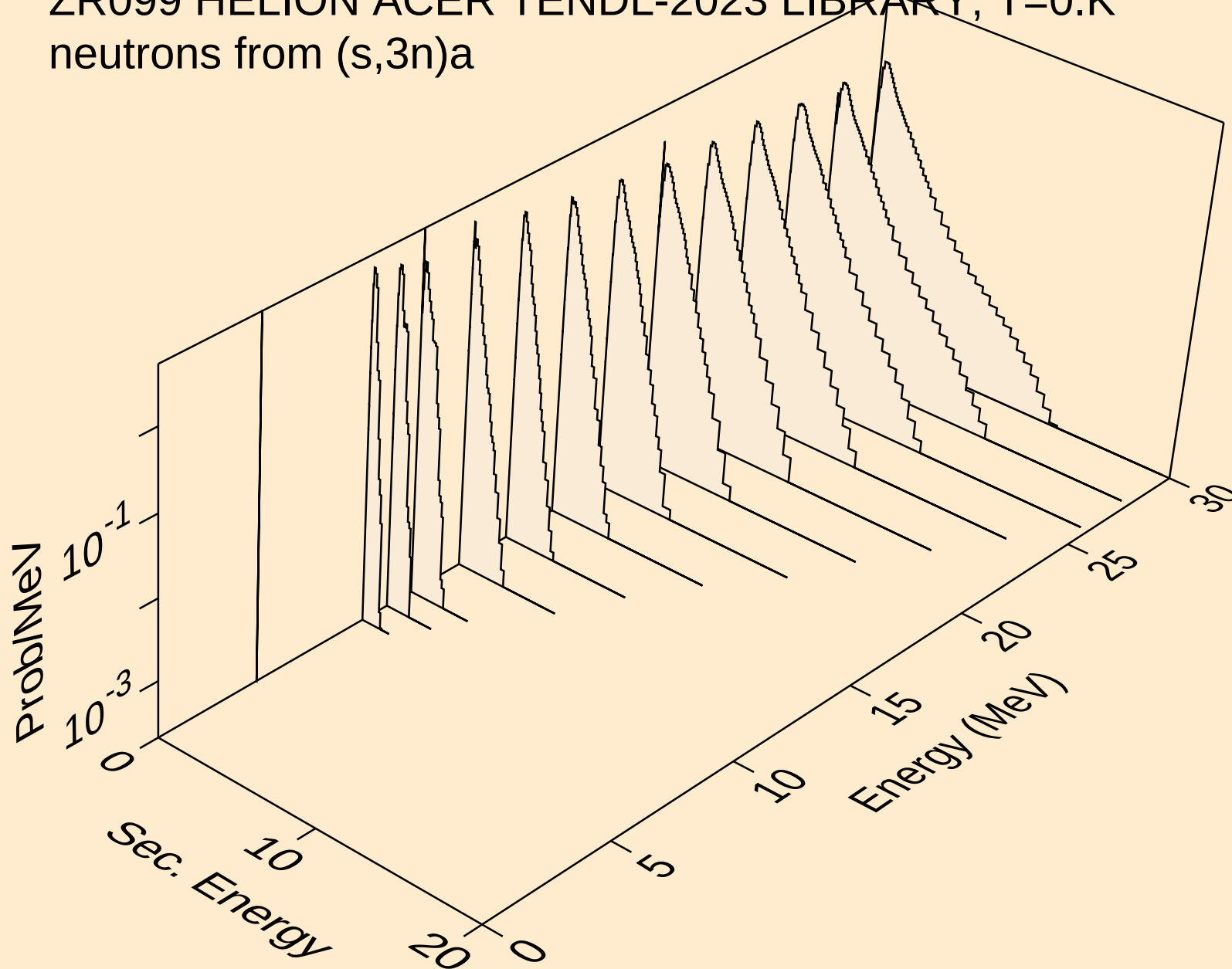
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)a



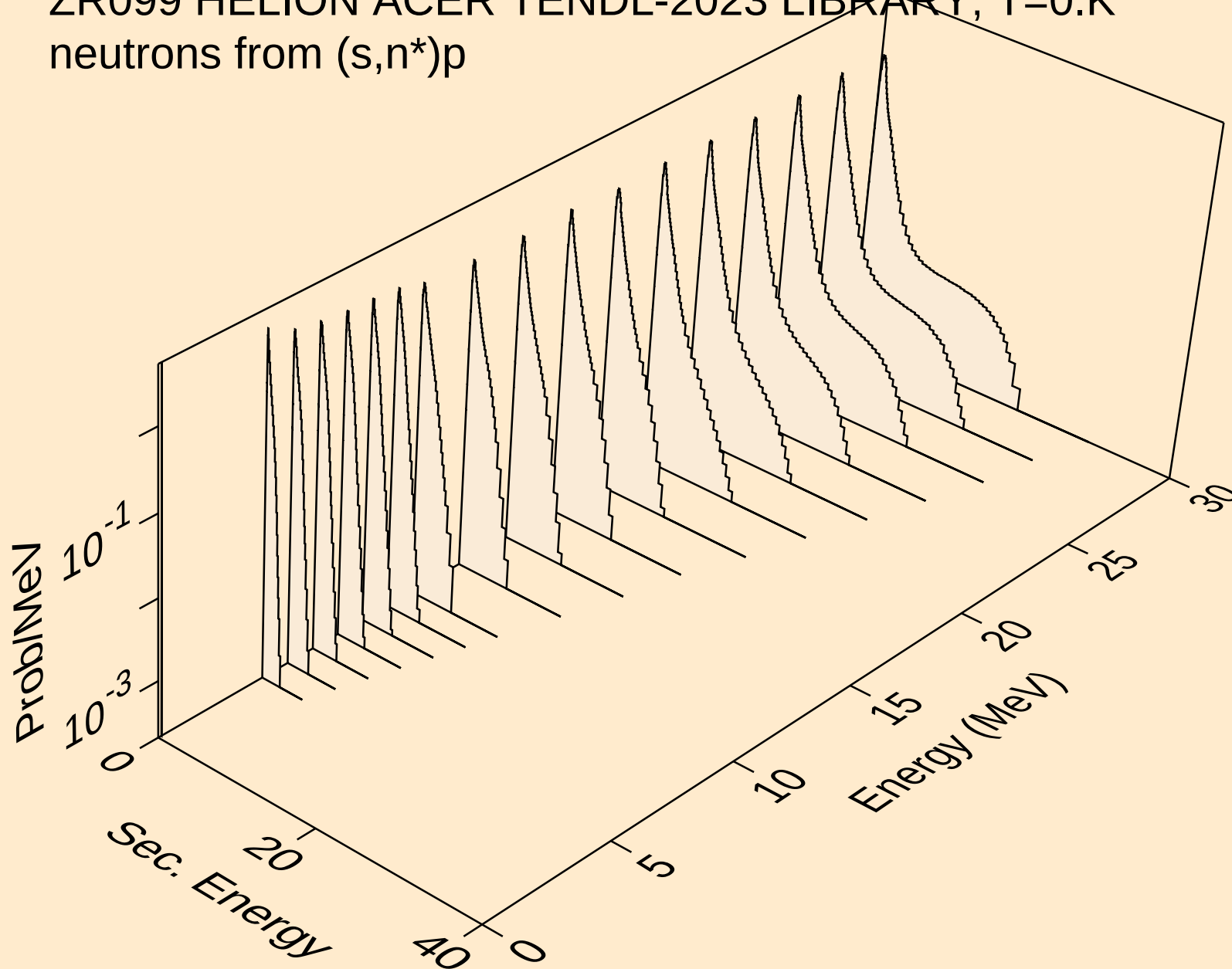
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)a



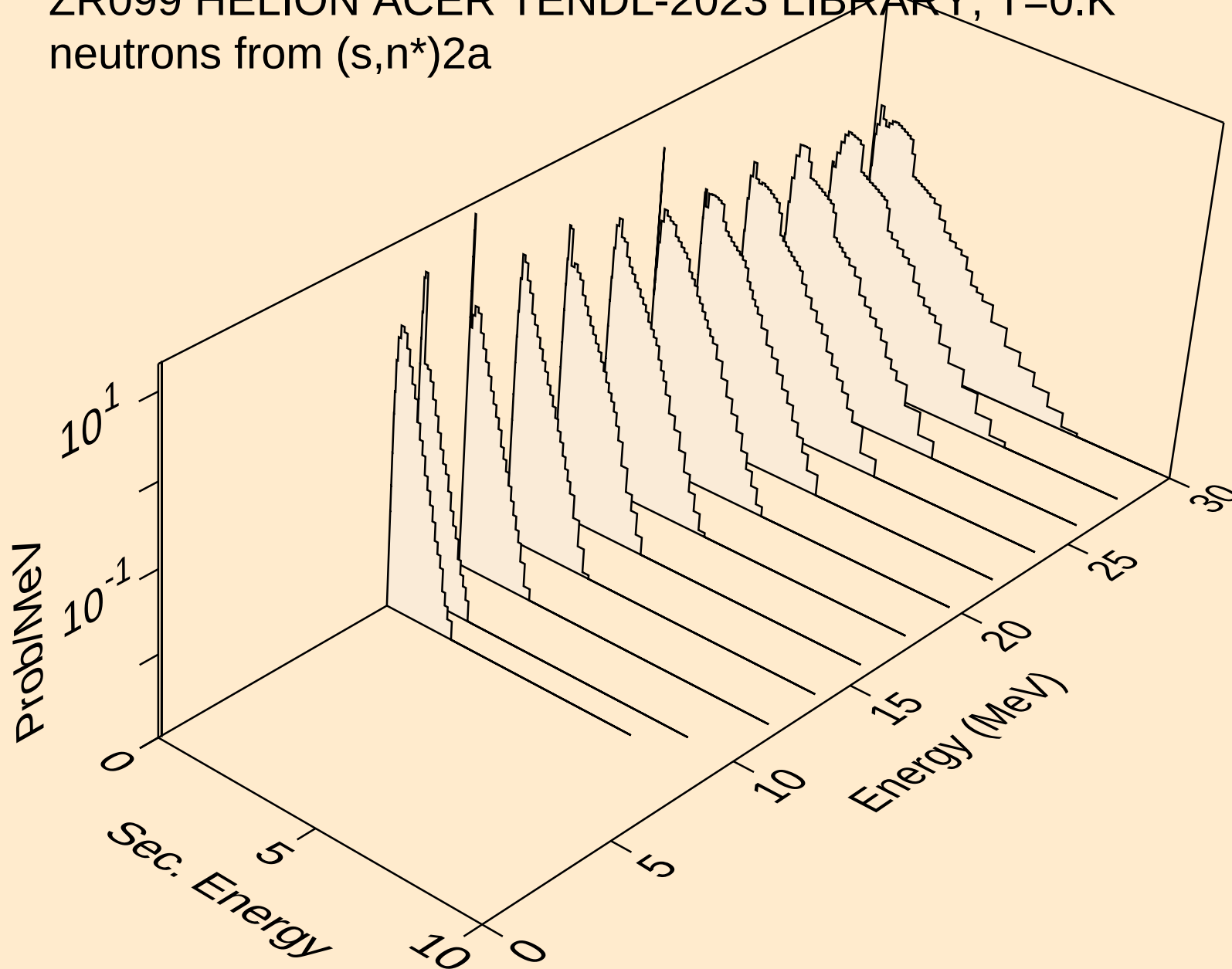
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neutrons from (s,3n)a



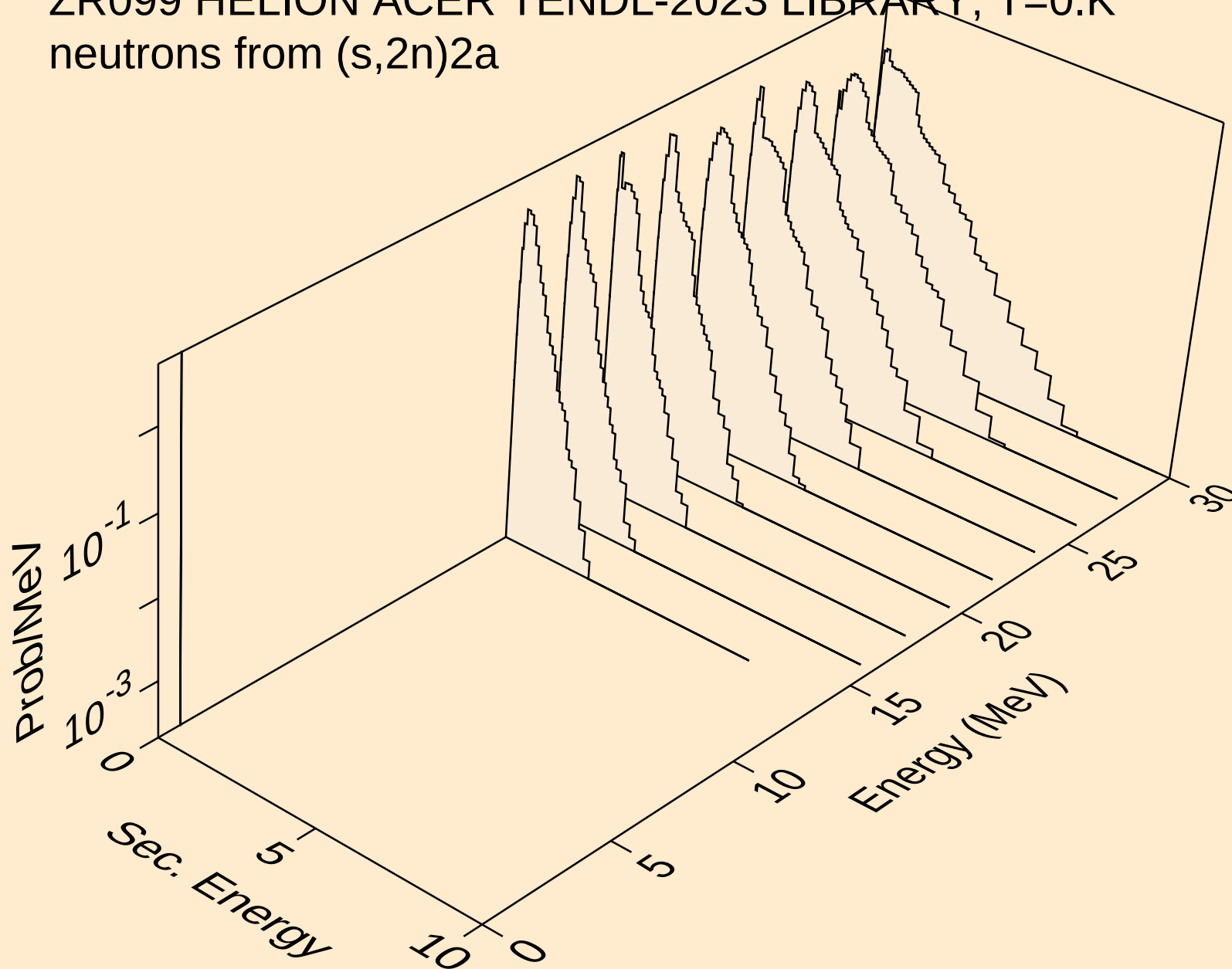
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)p



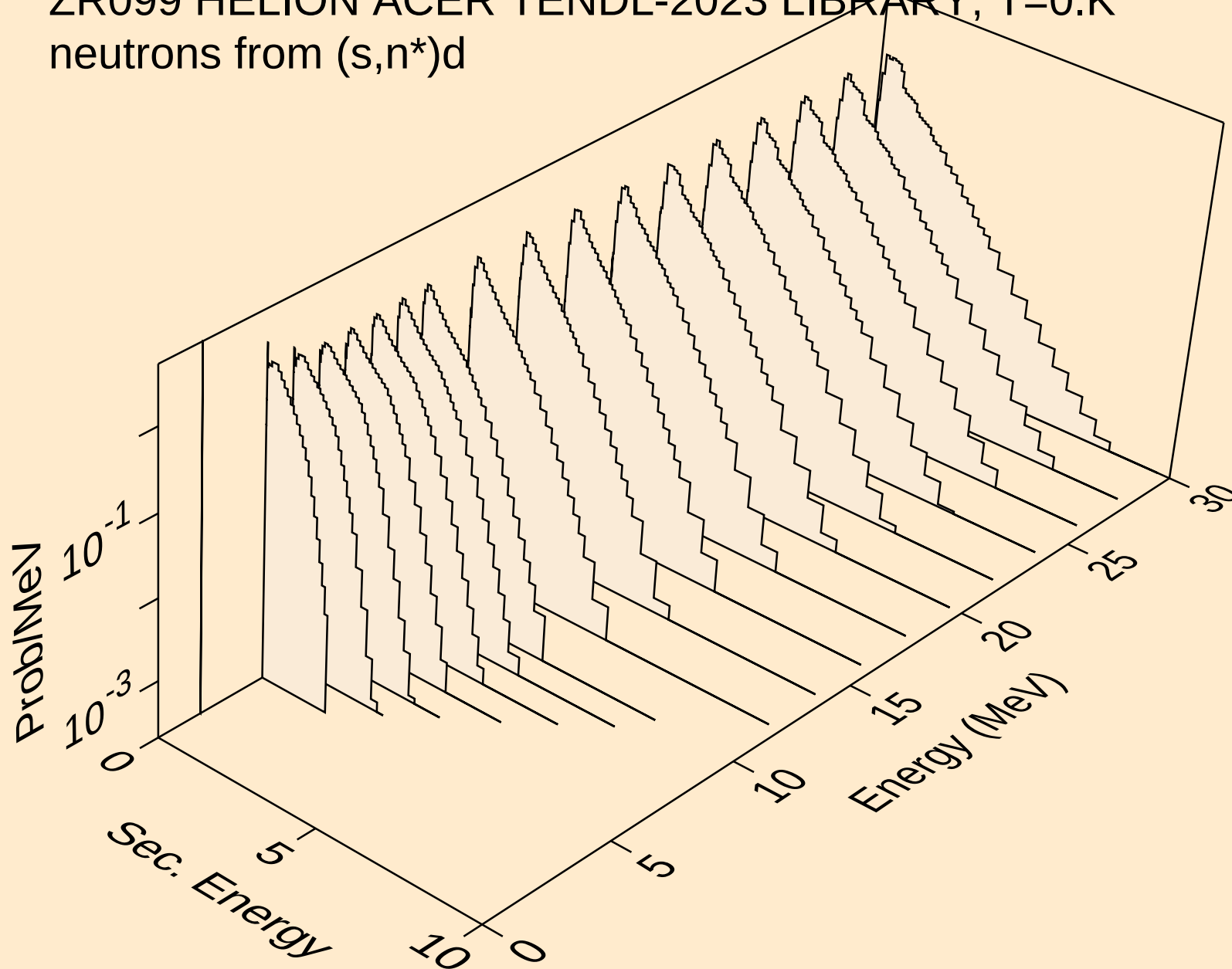
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neutrons from (s,n*)2a



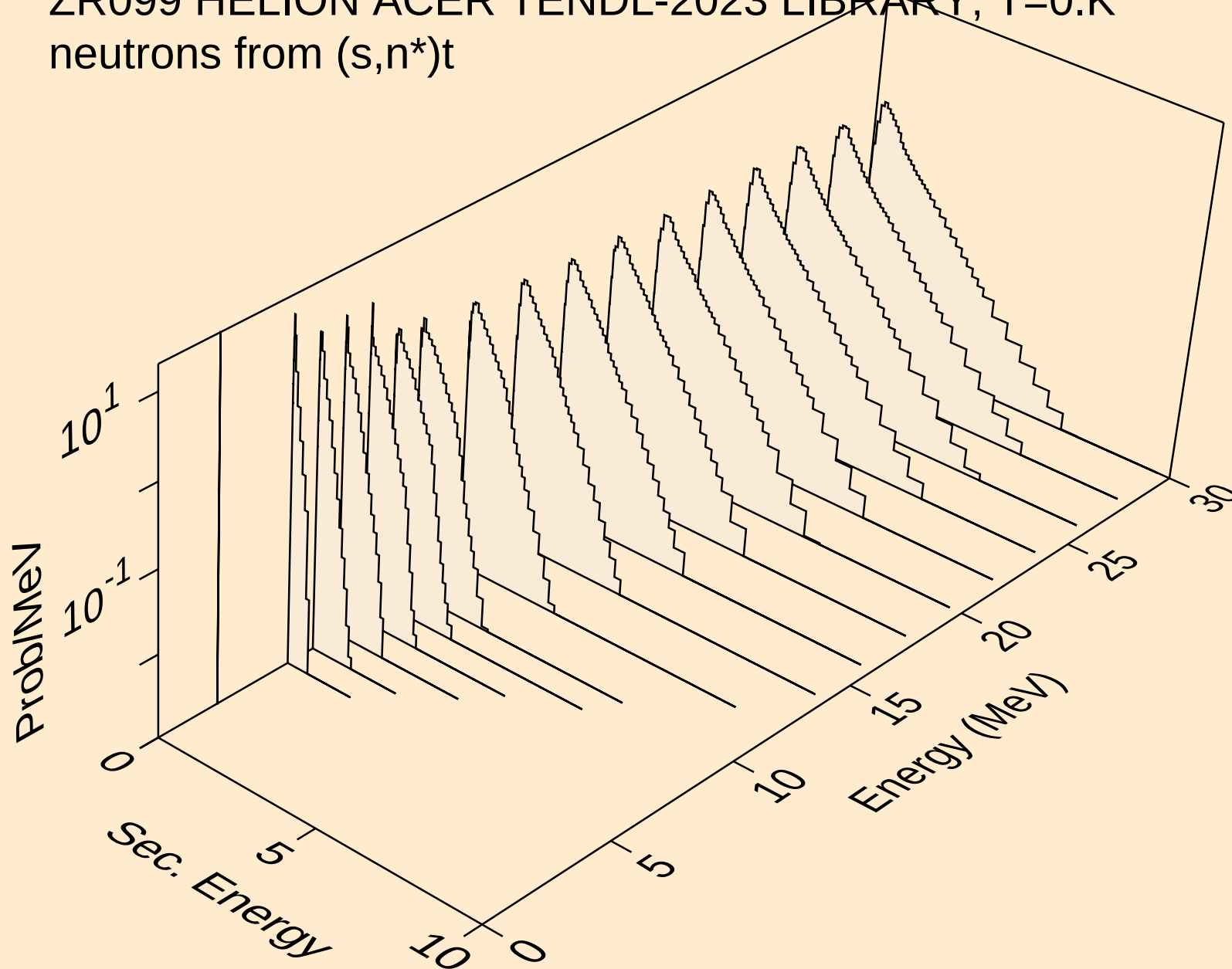
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neutrons from (s,2n)2a



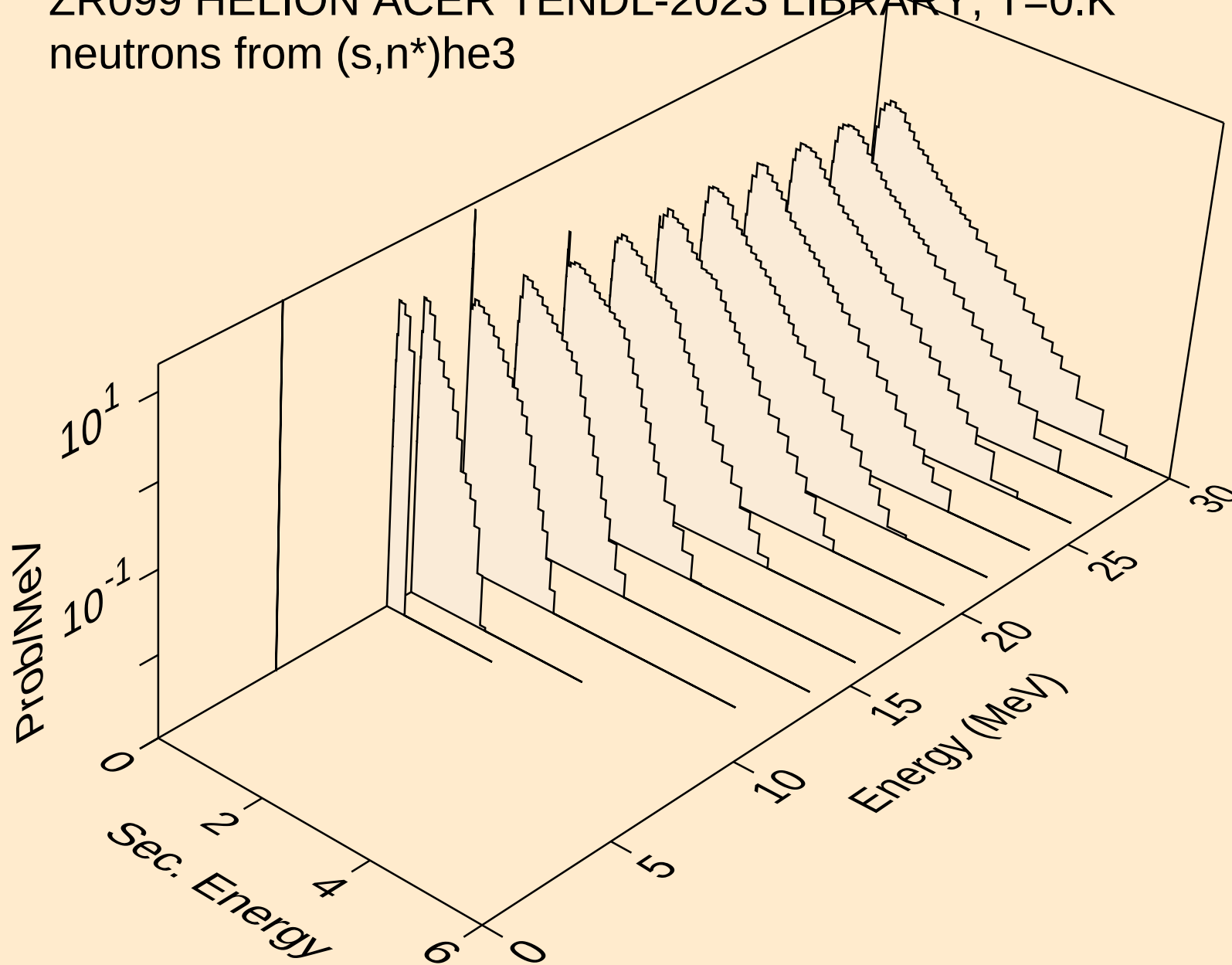
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neutrons from (s,n*)d



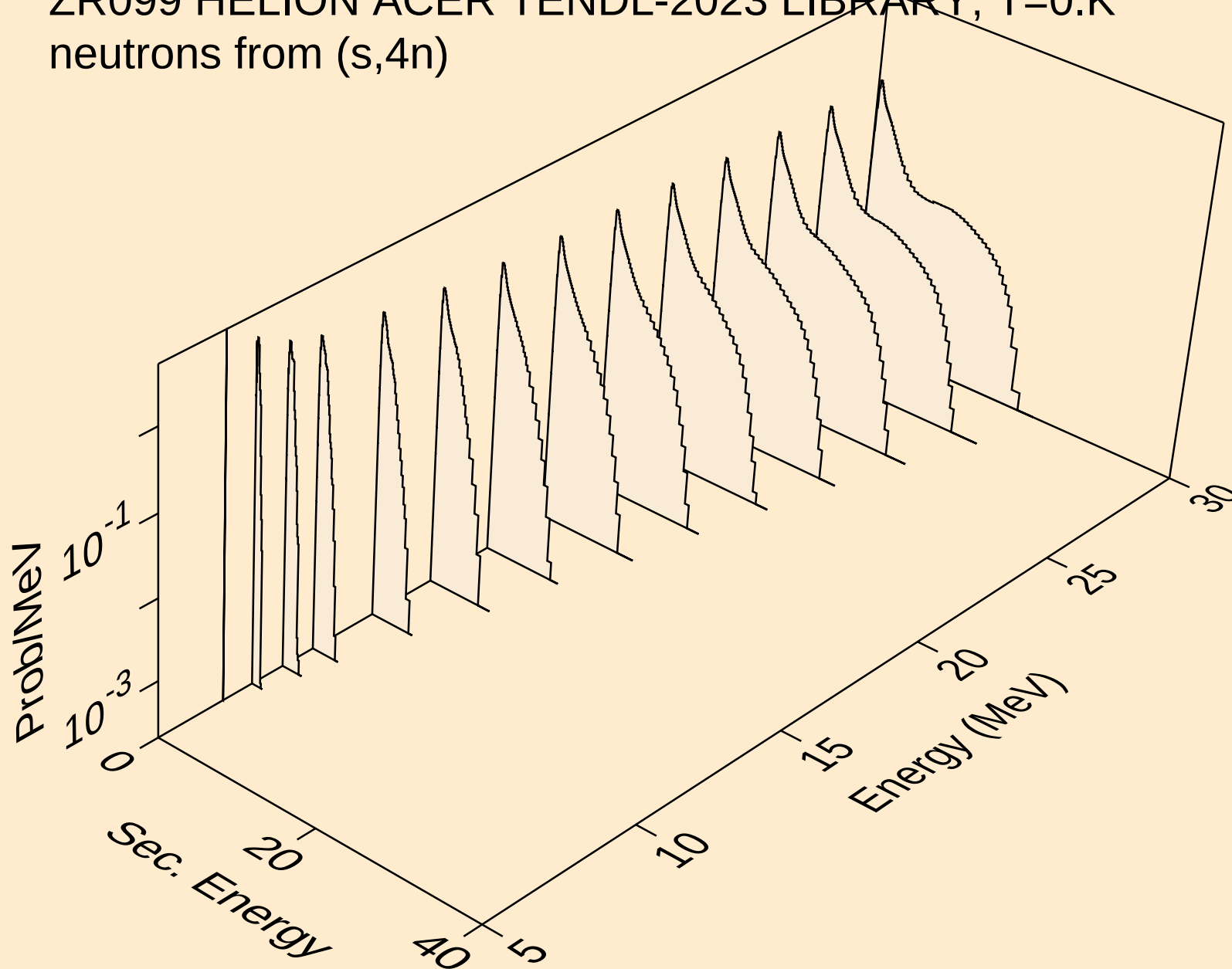
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neutrons from (s,n*)t



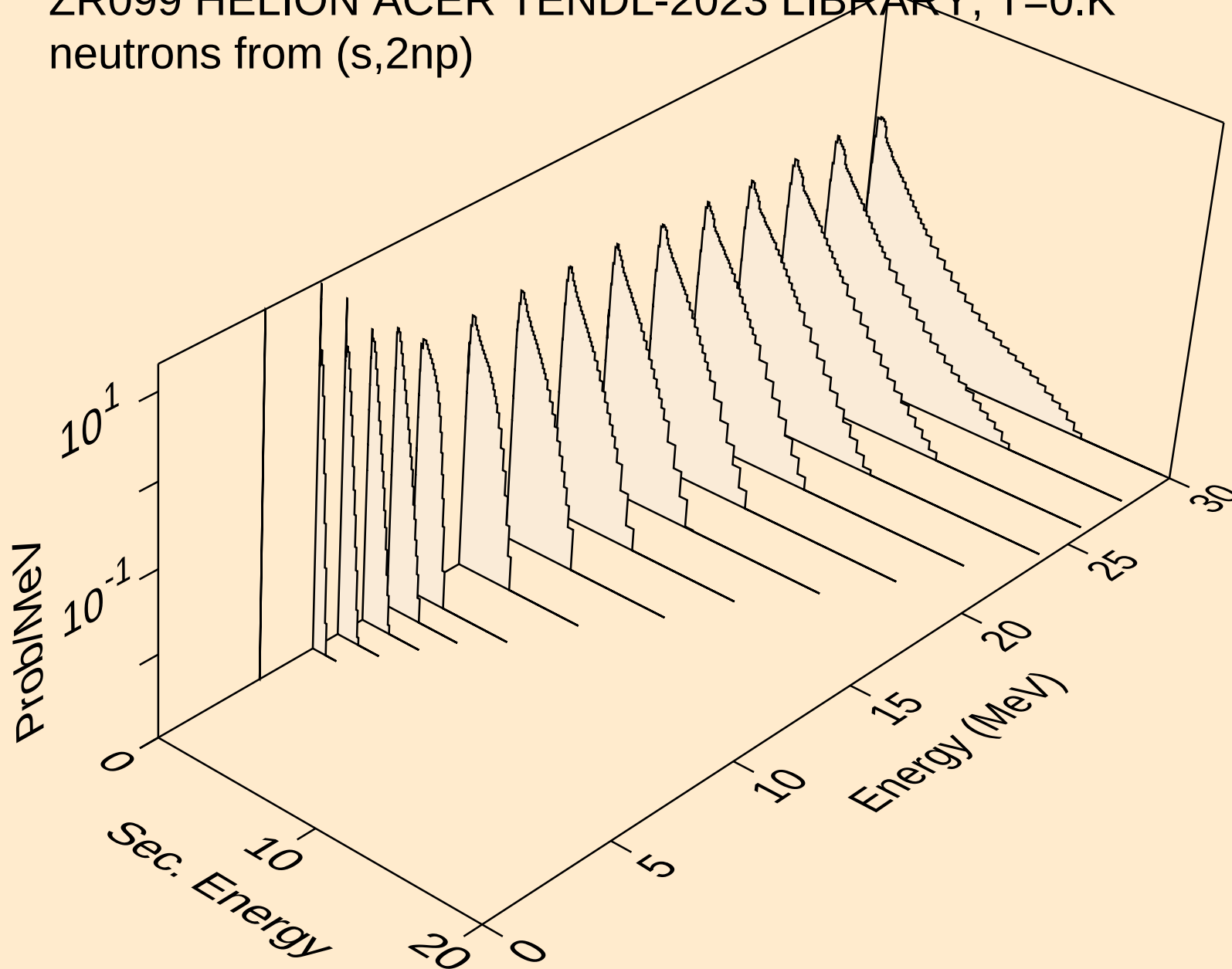
ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)he3



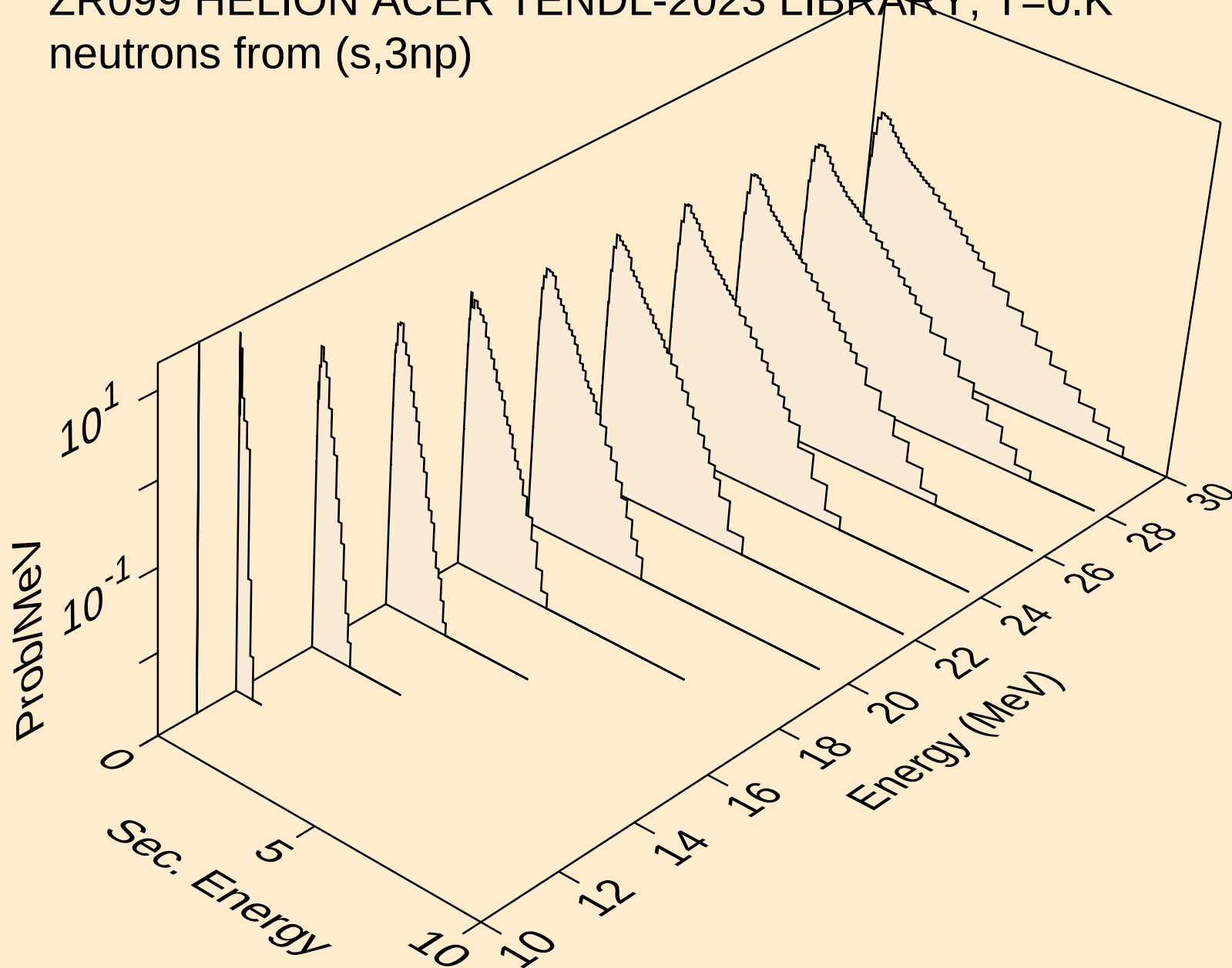
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neutrons from (s,4n)



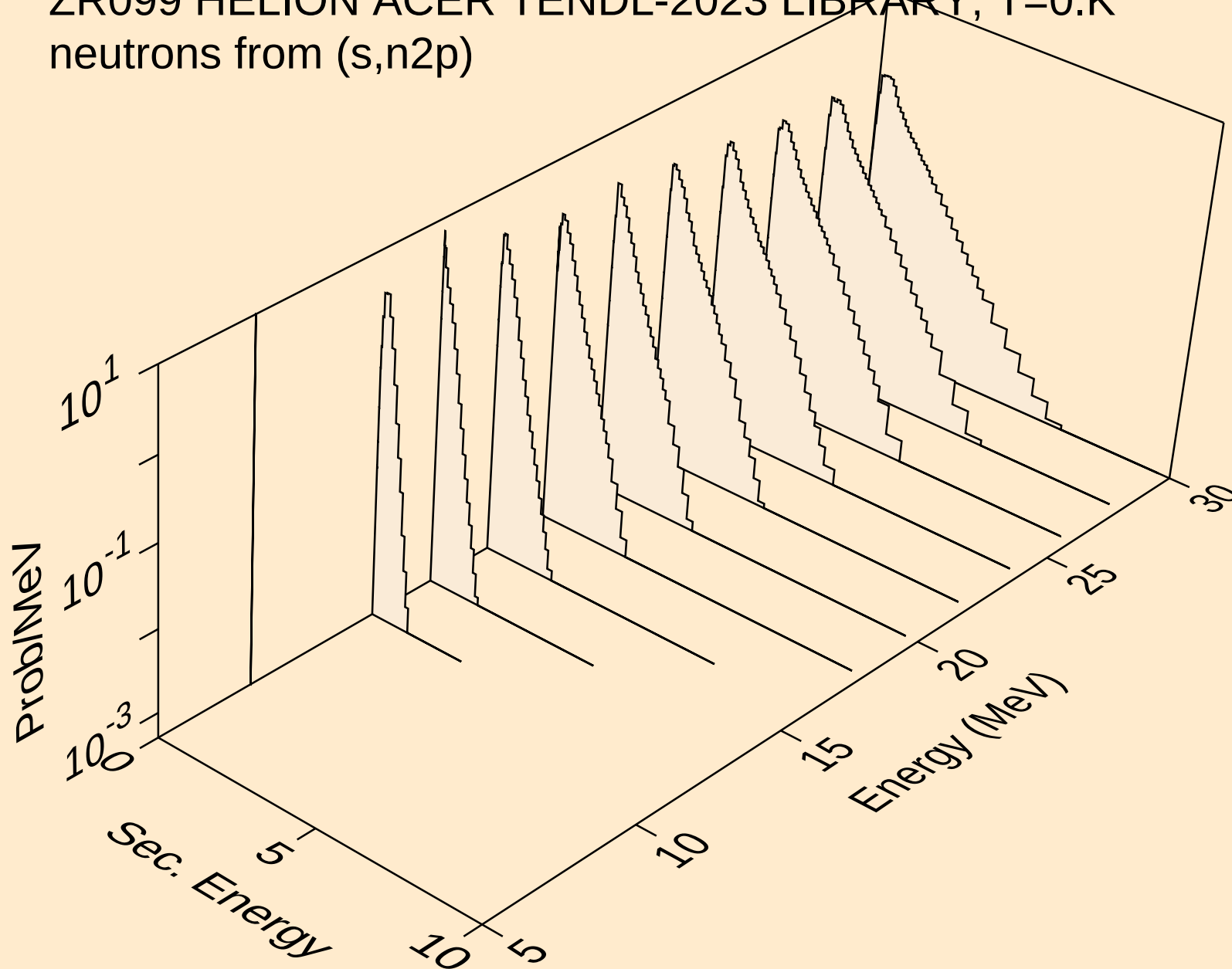
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neutrons from (s,2np)



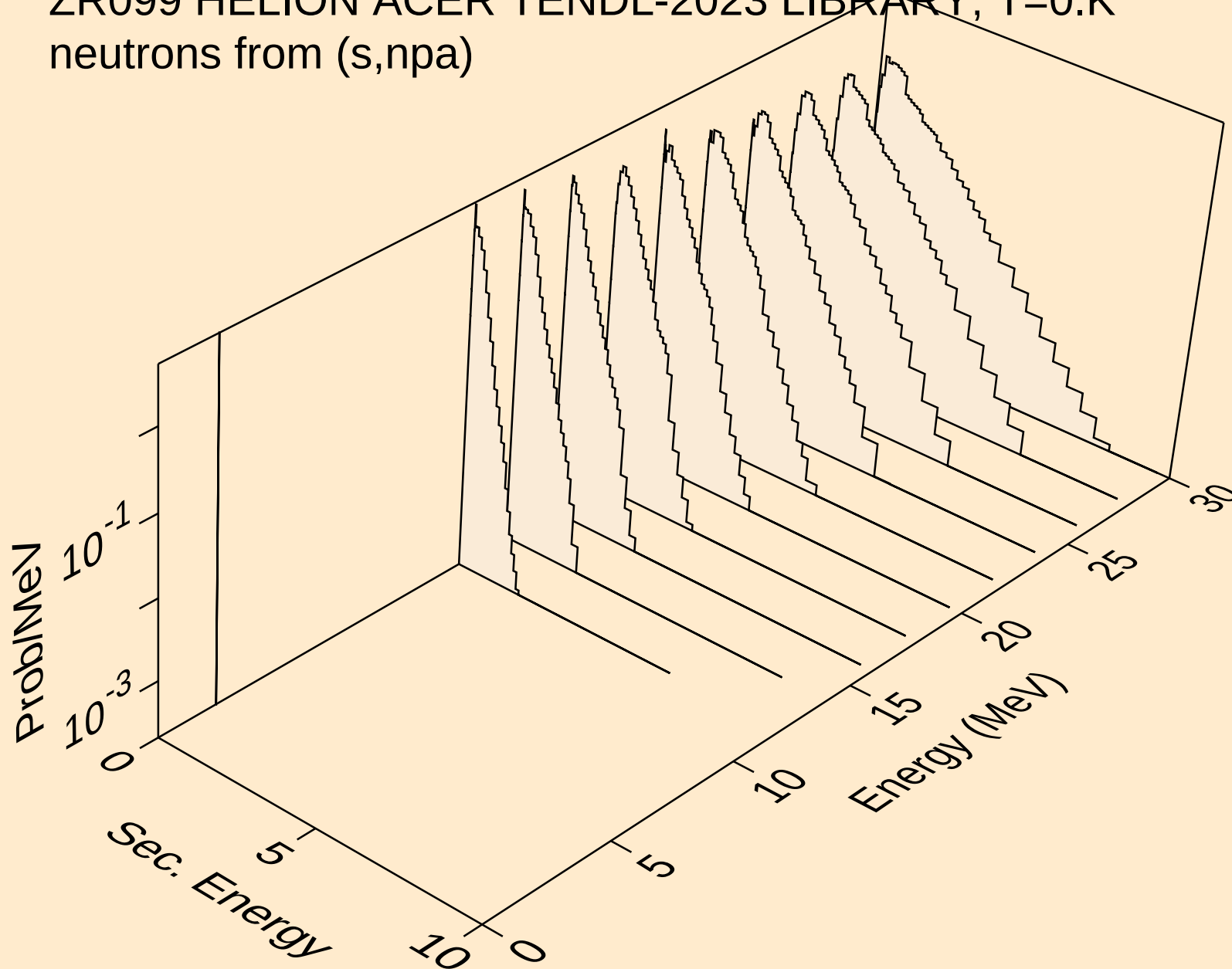
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neutrons from (s,3np)



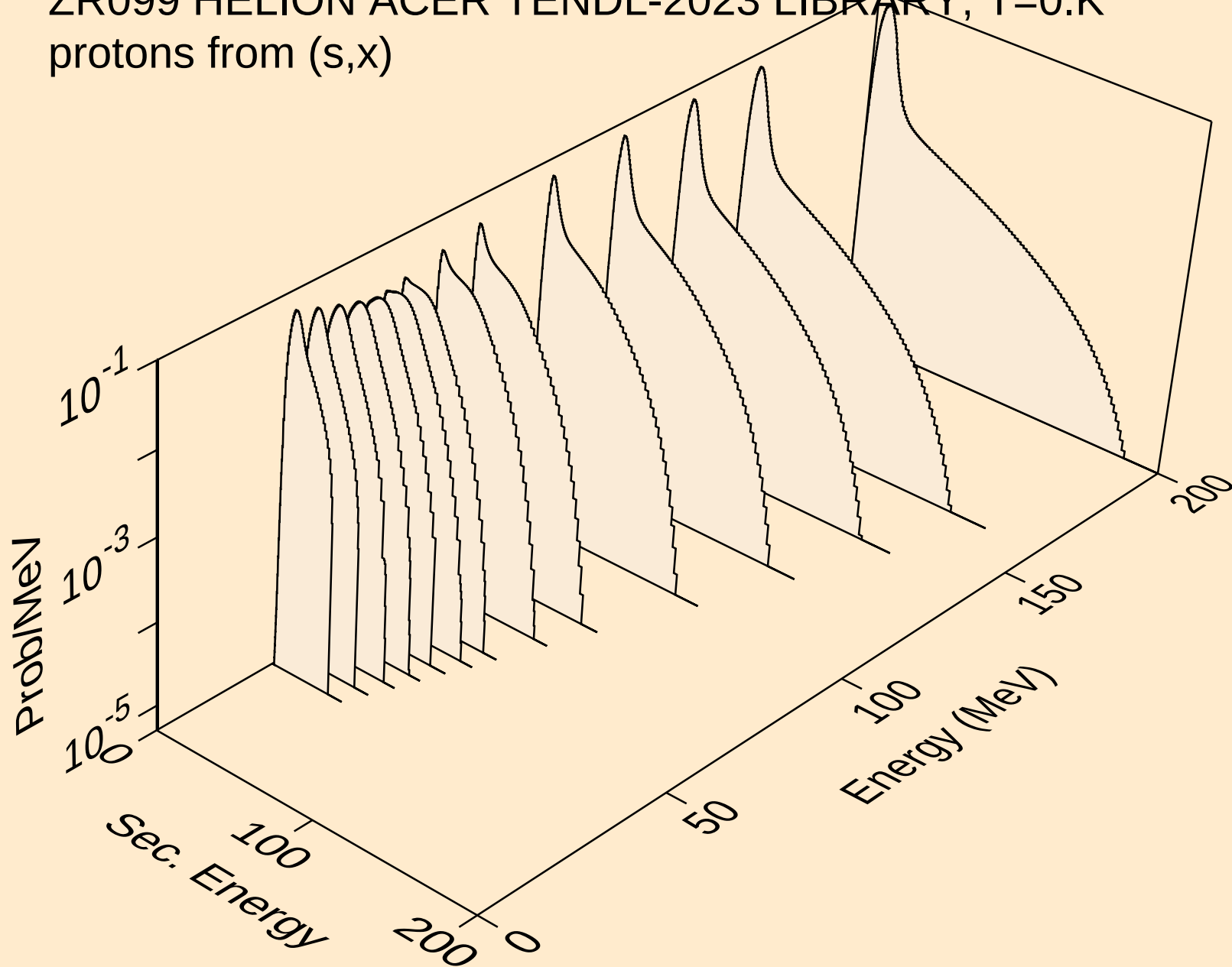
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neutrons from (s,n2p)



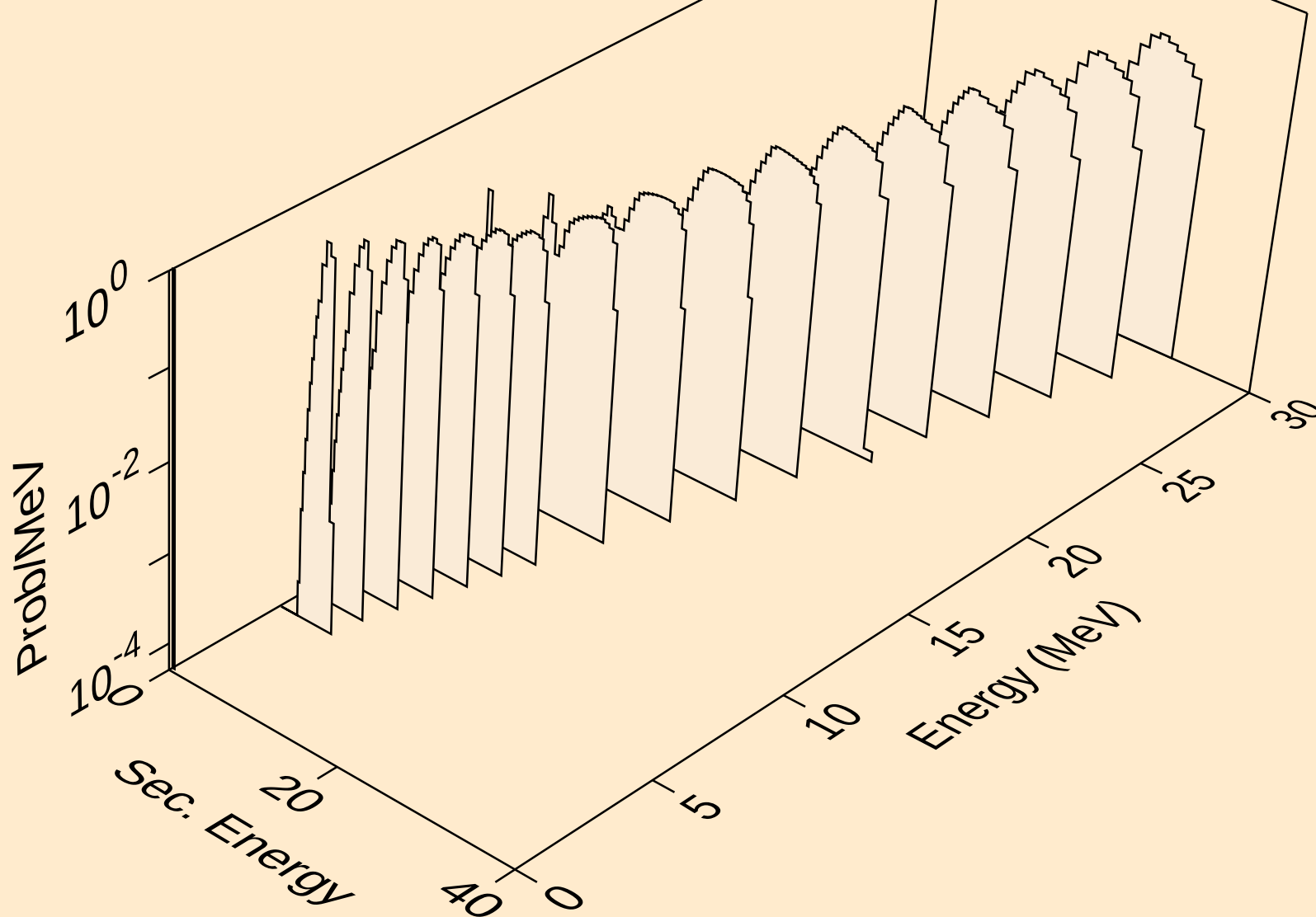
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neutrons from (s,npa)



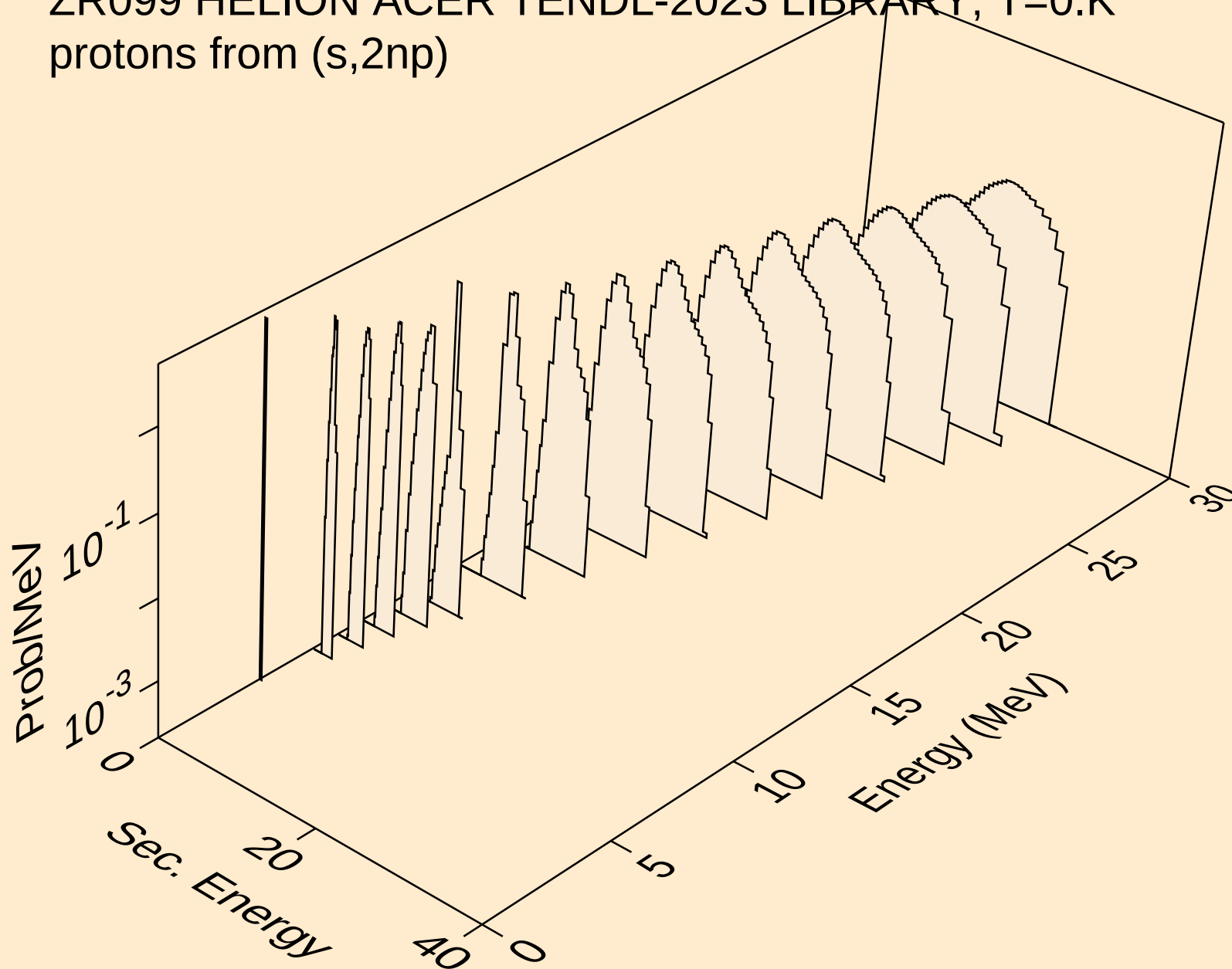
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protons from (s,x)



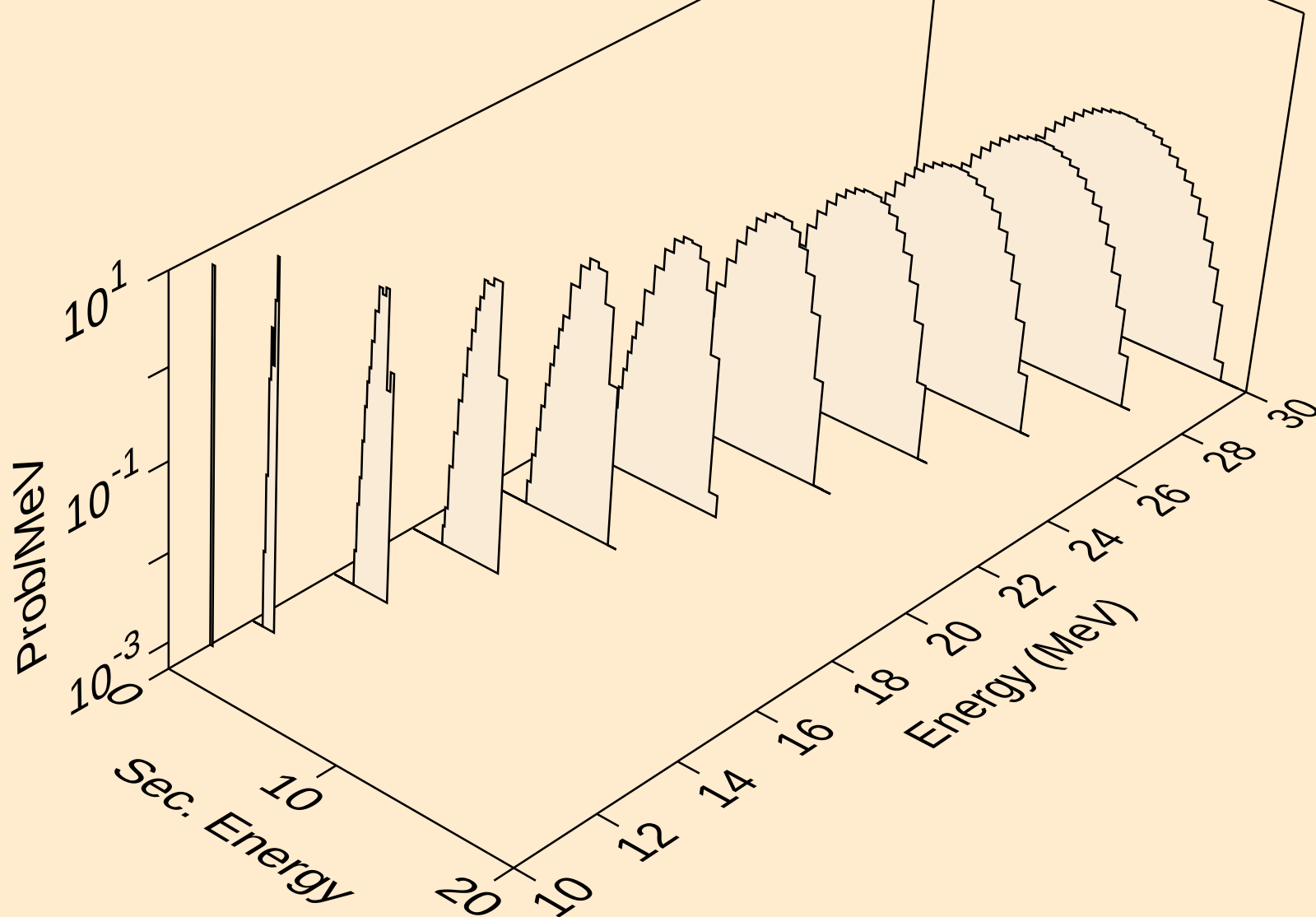
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protons from (s,n*)p



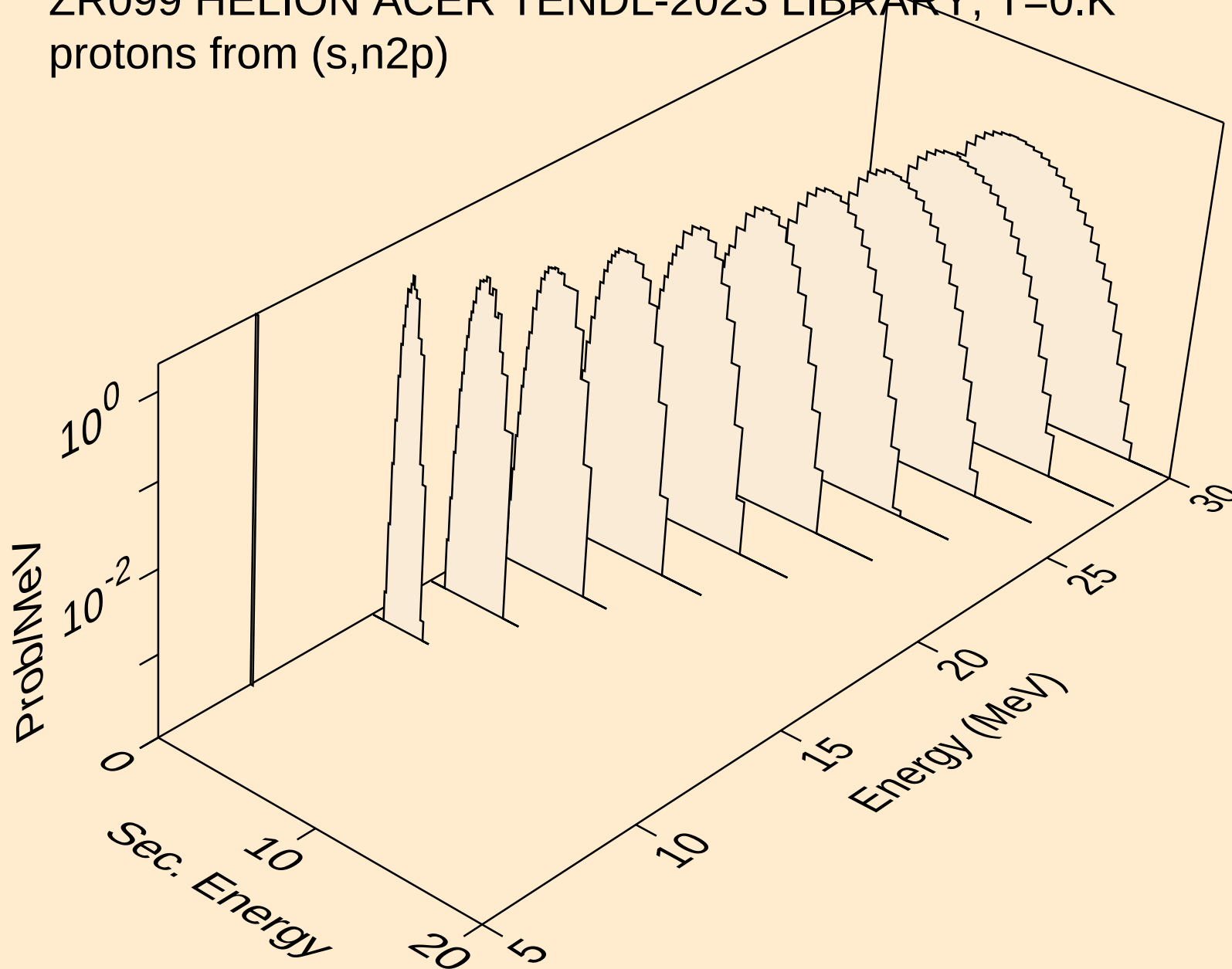
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protons from (s,2np)



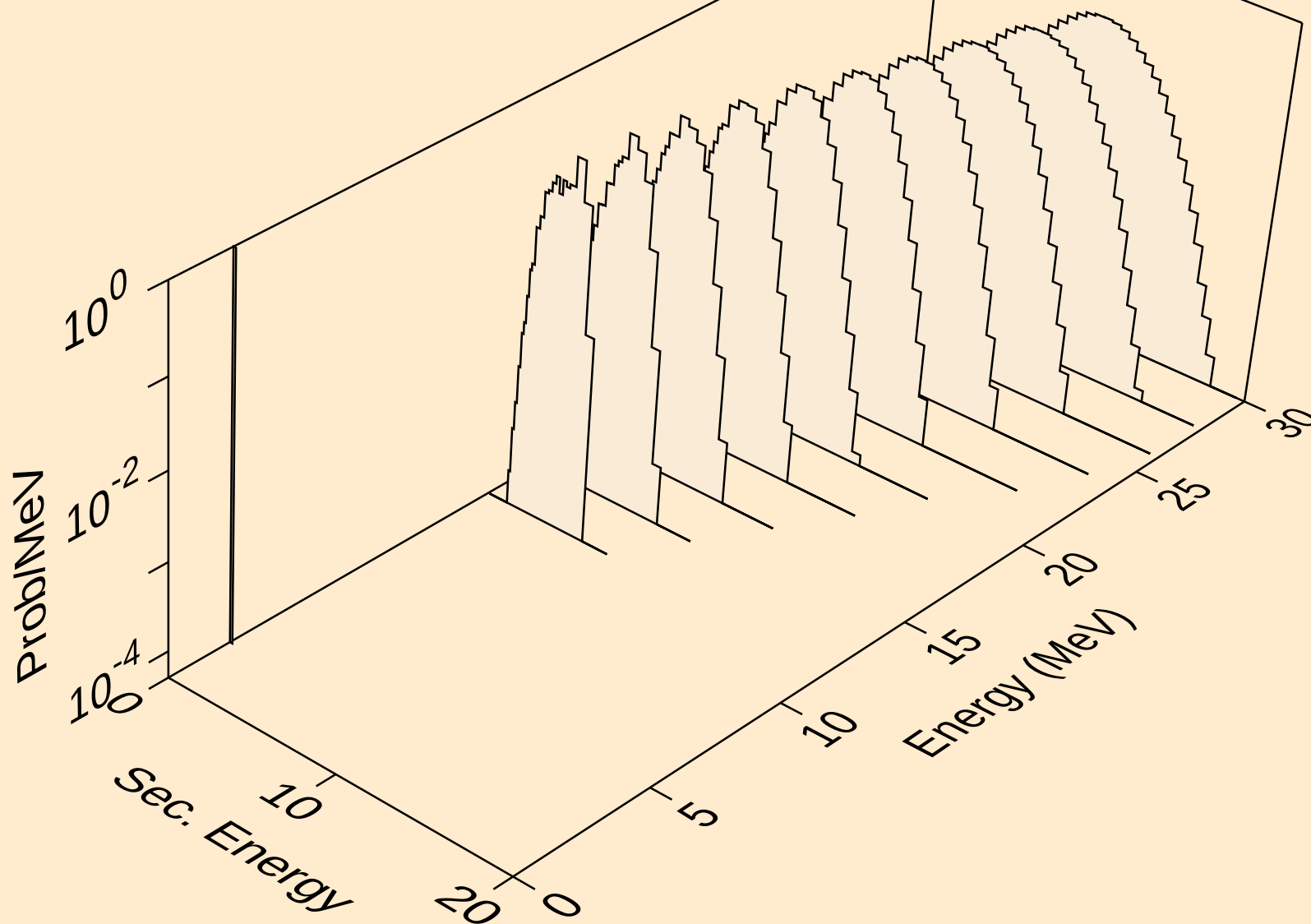
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protons from (s,3np)



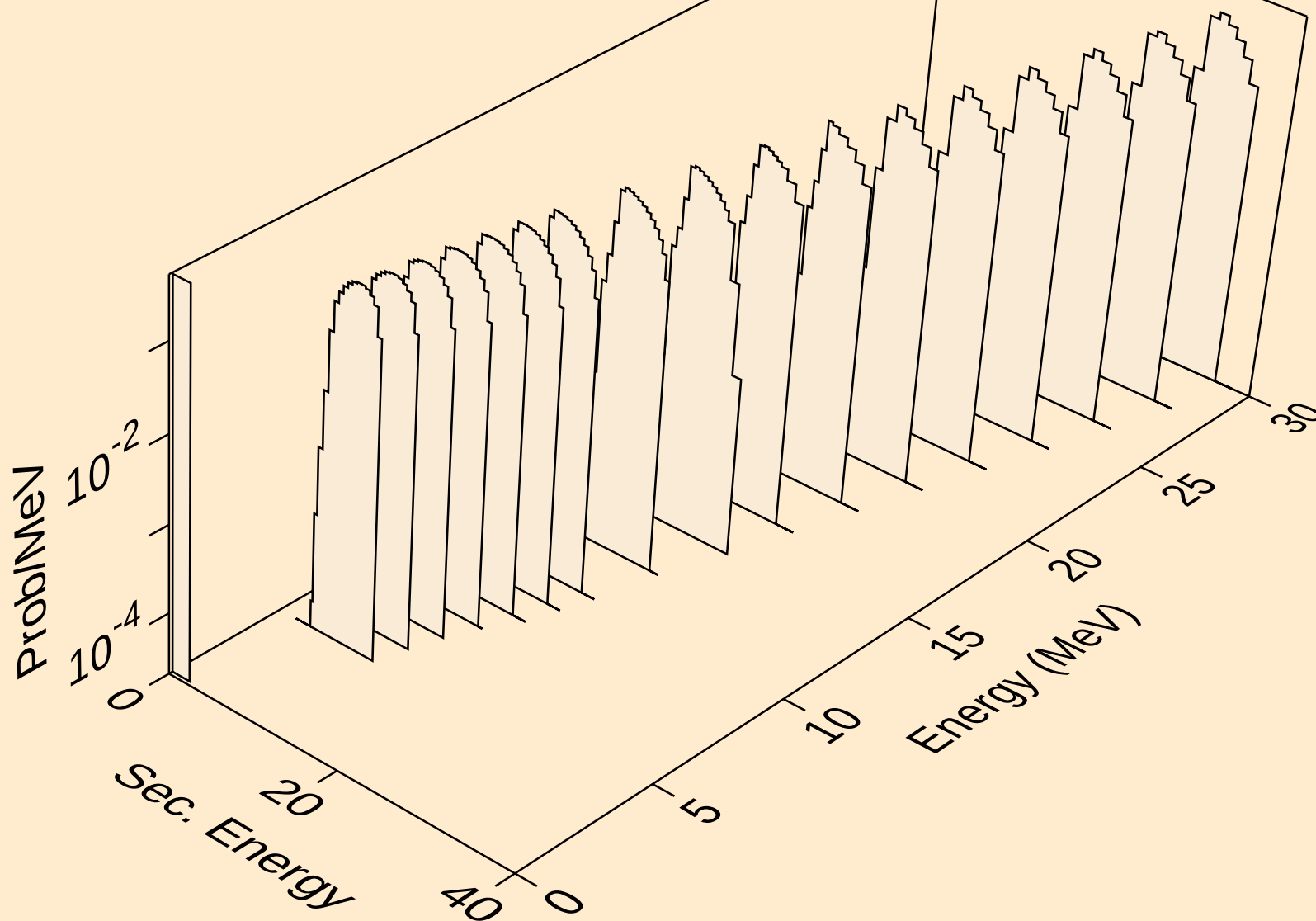
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protons from (s,n2p)



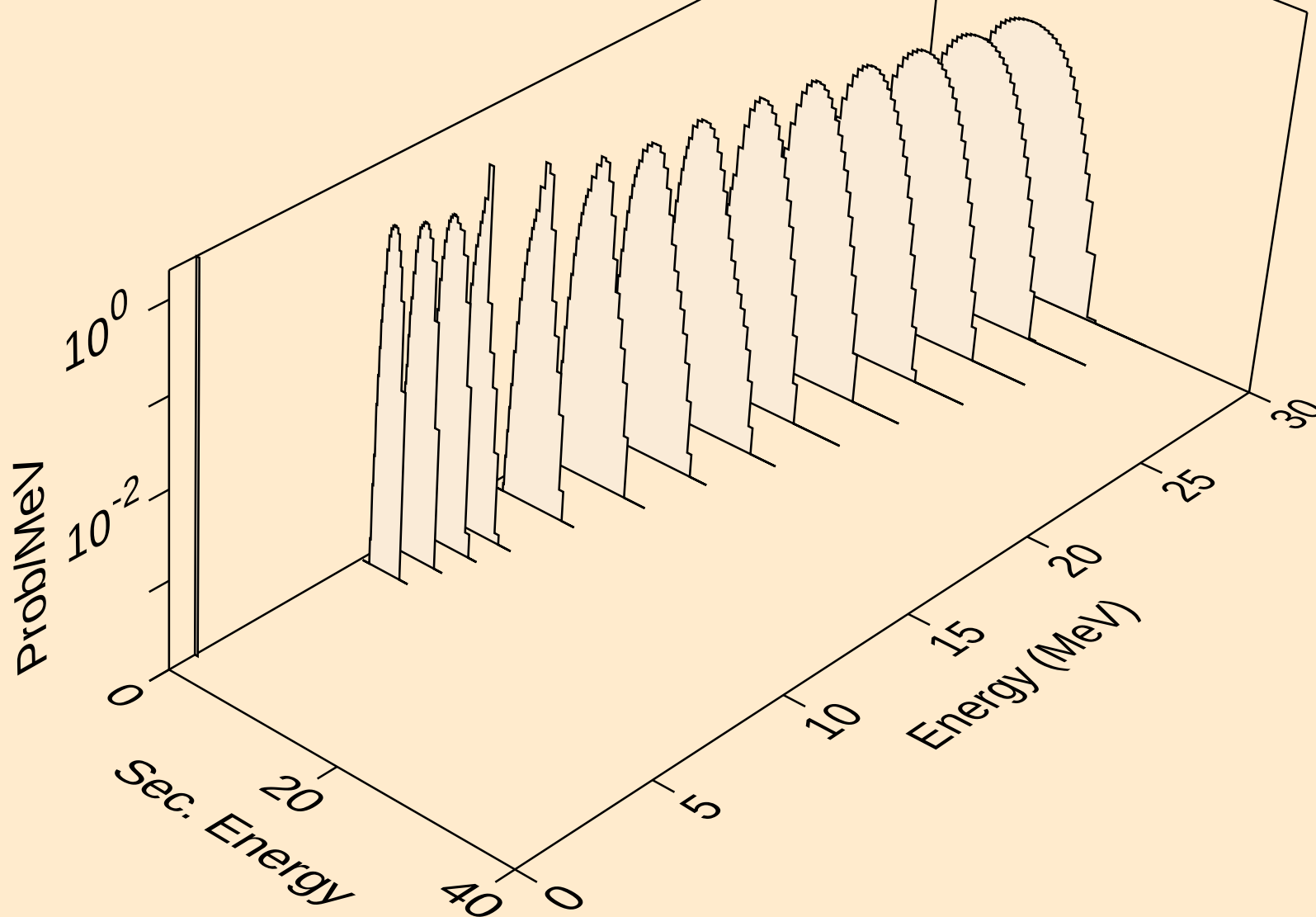
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protons from (s,npa)



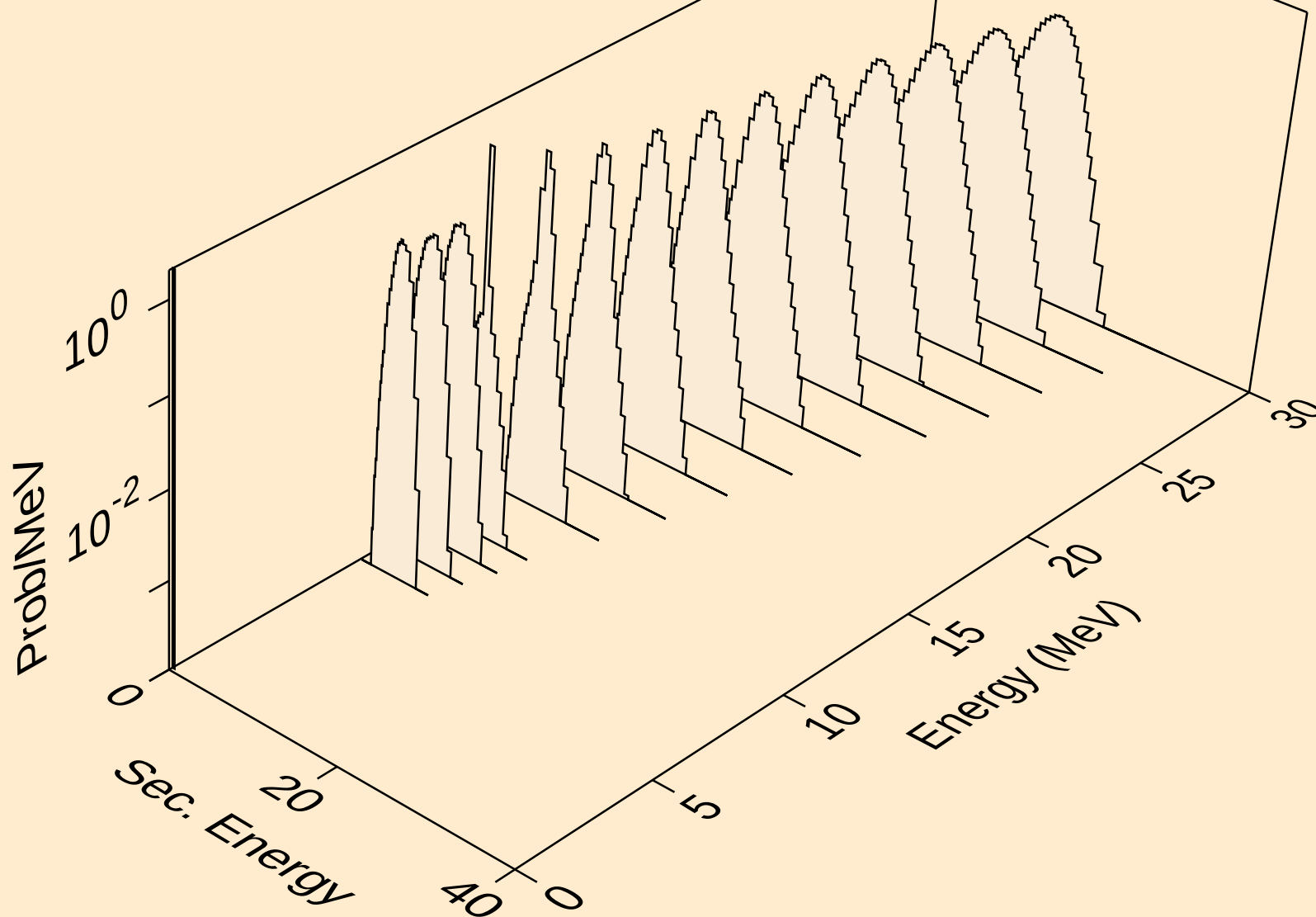
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protons from (s,p)



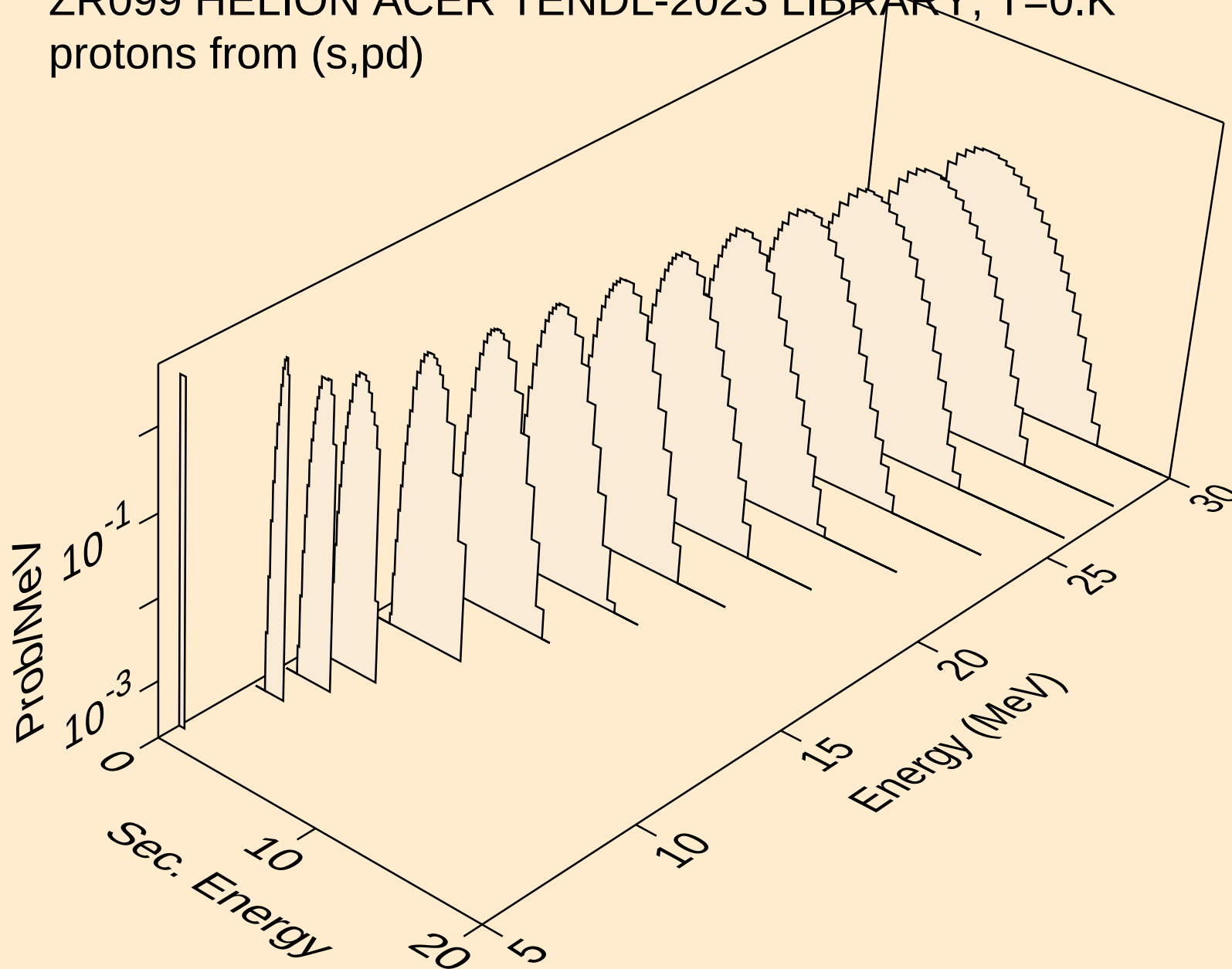
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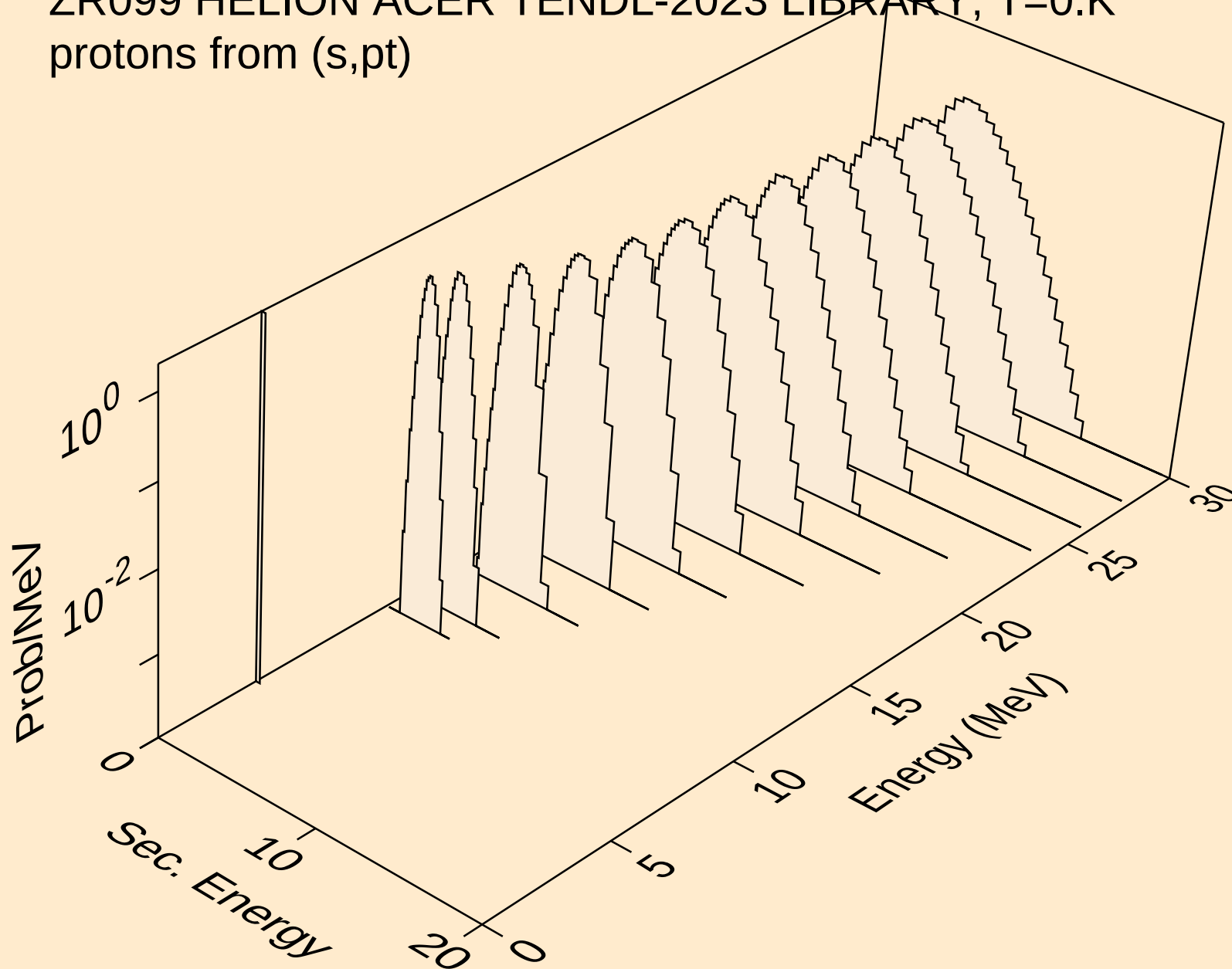
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protons from (s,pa)



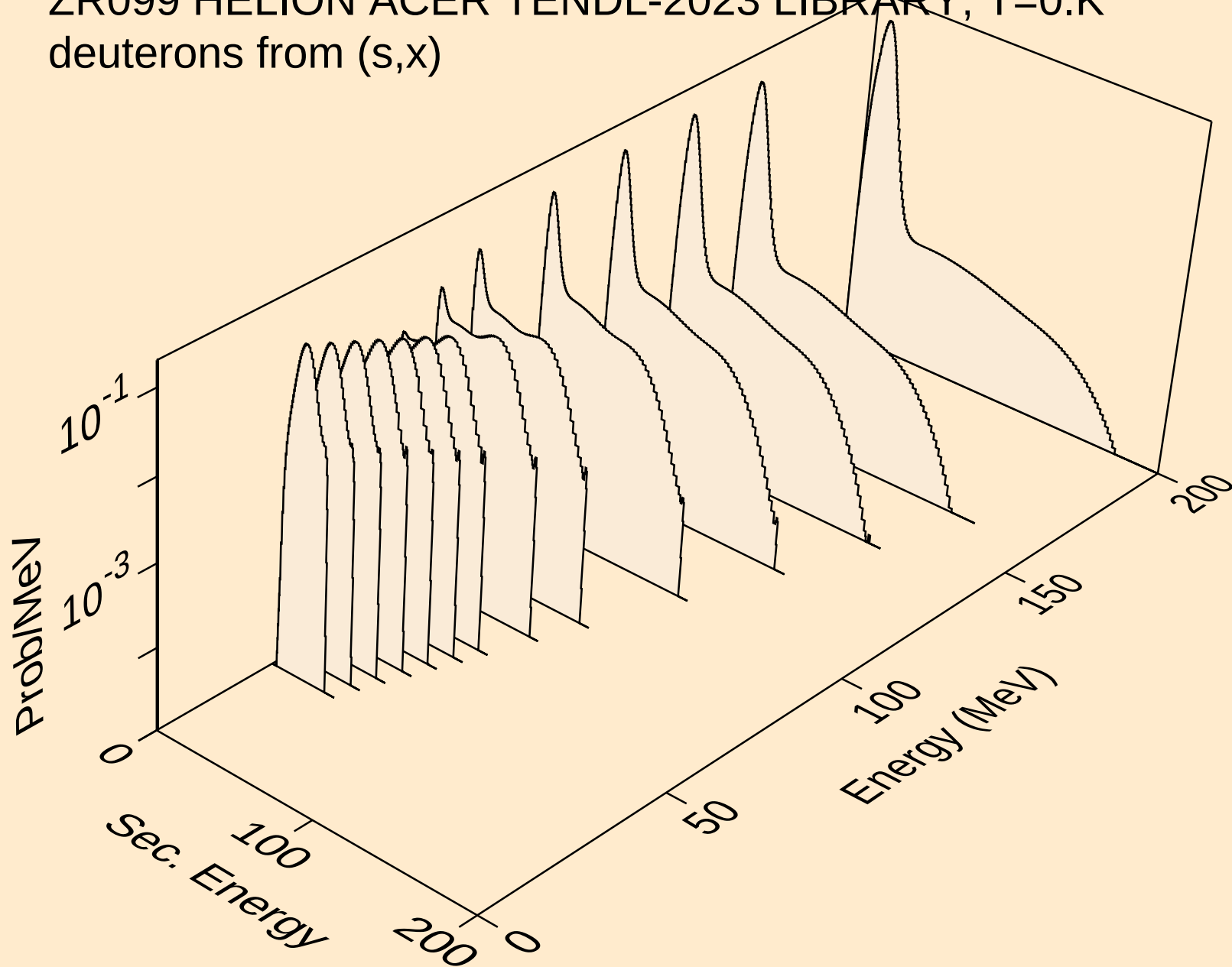
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protons from (s,pd)



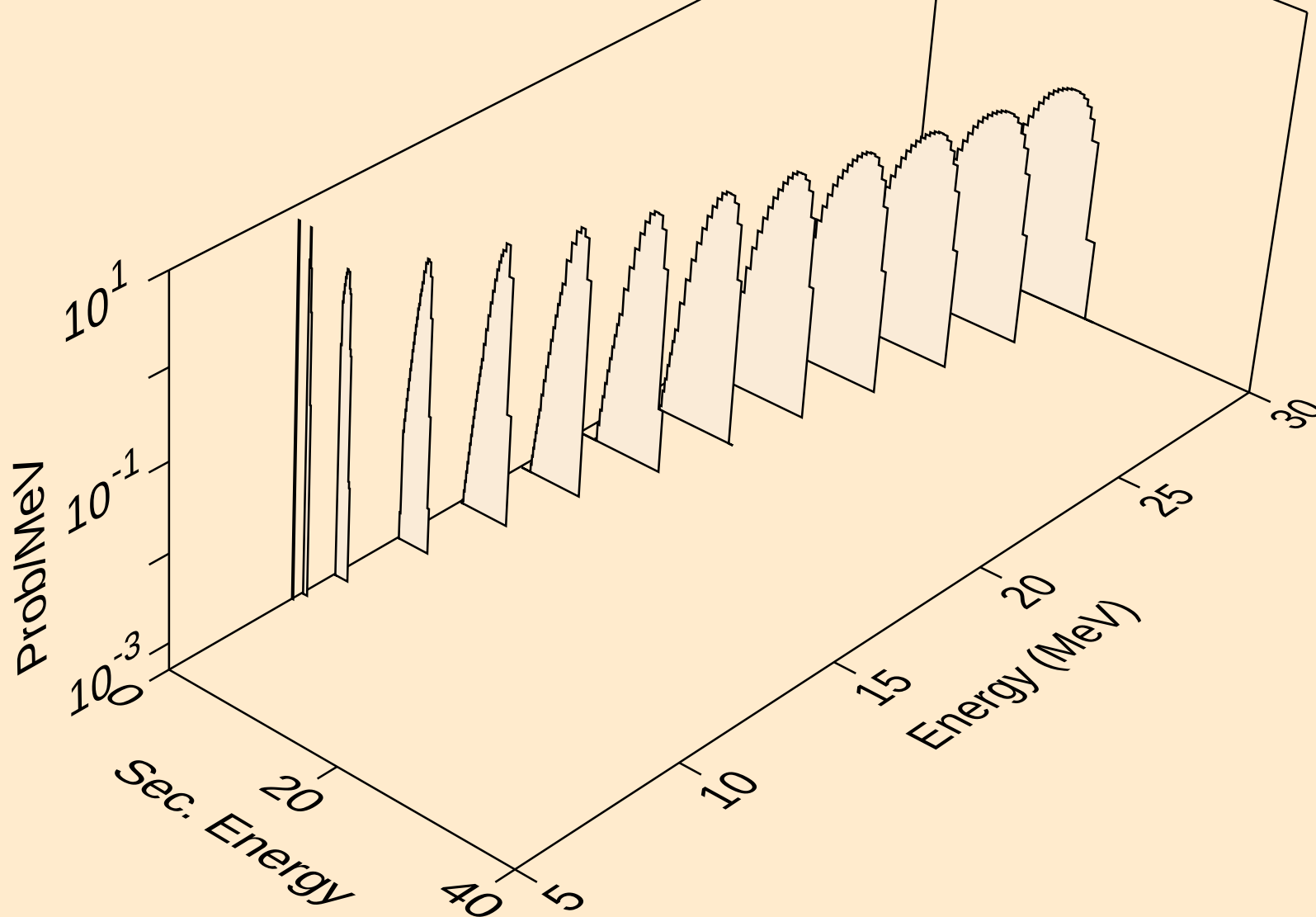
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protons from (s,pt)



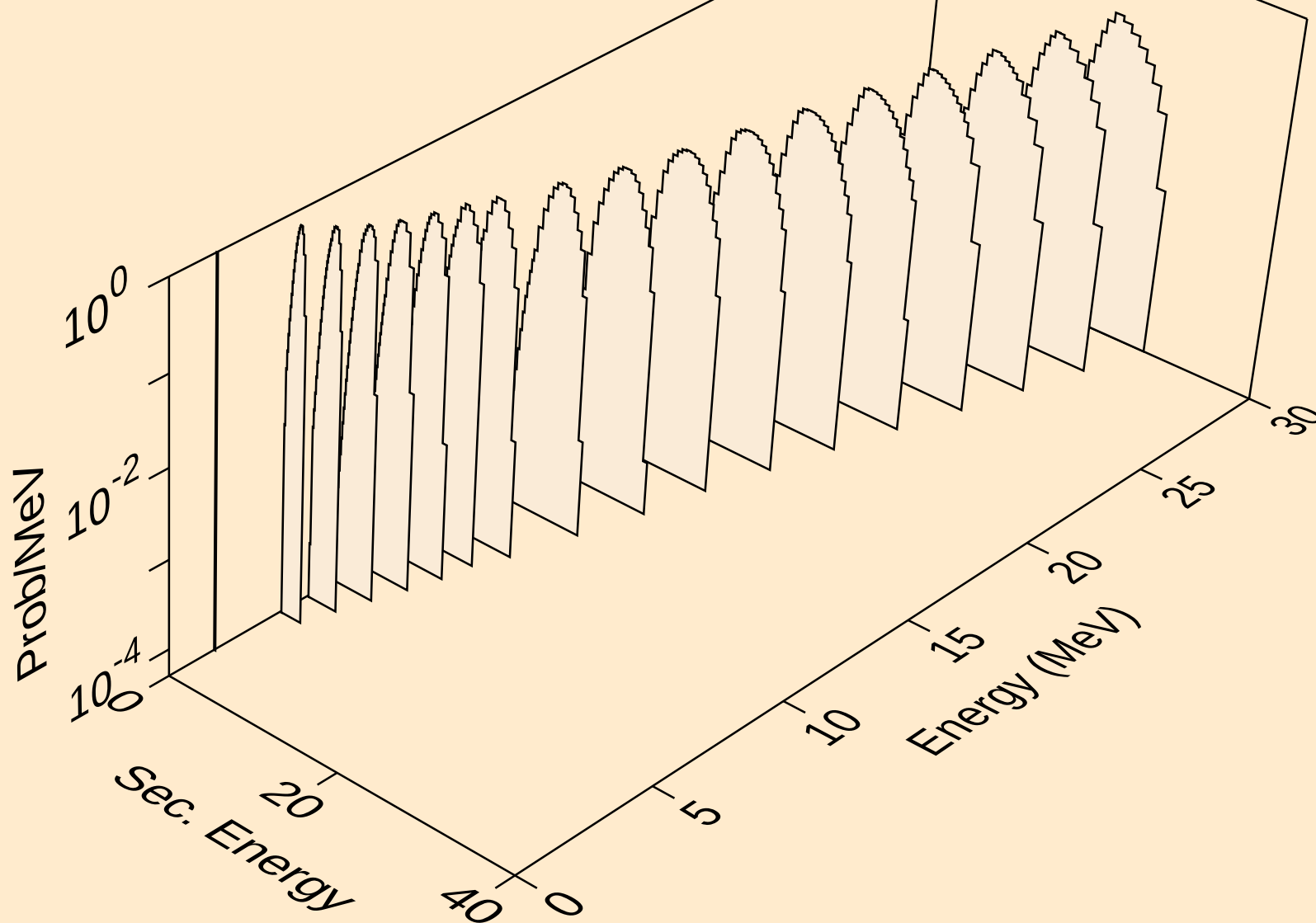
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deuterons from (s,x)



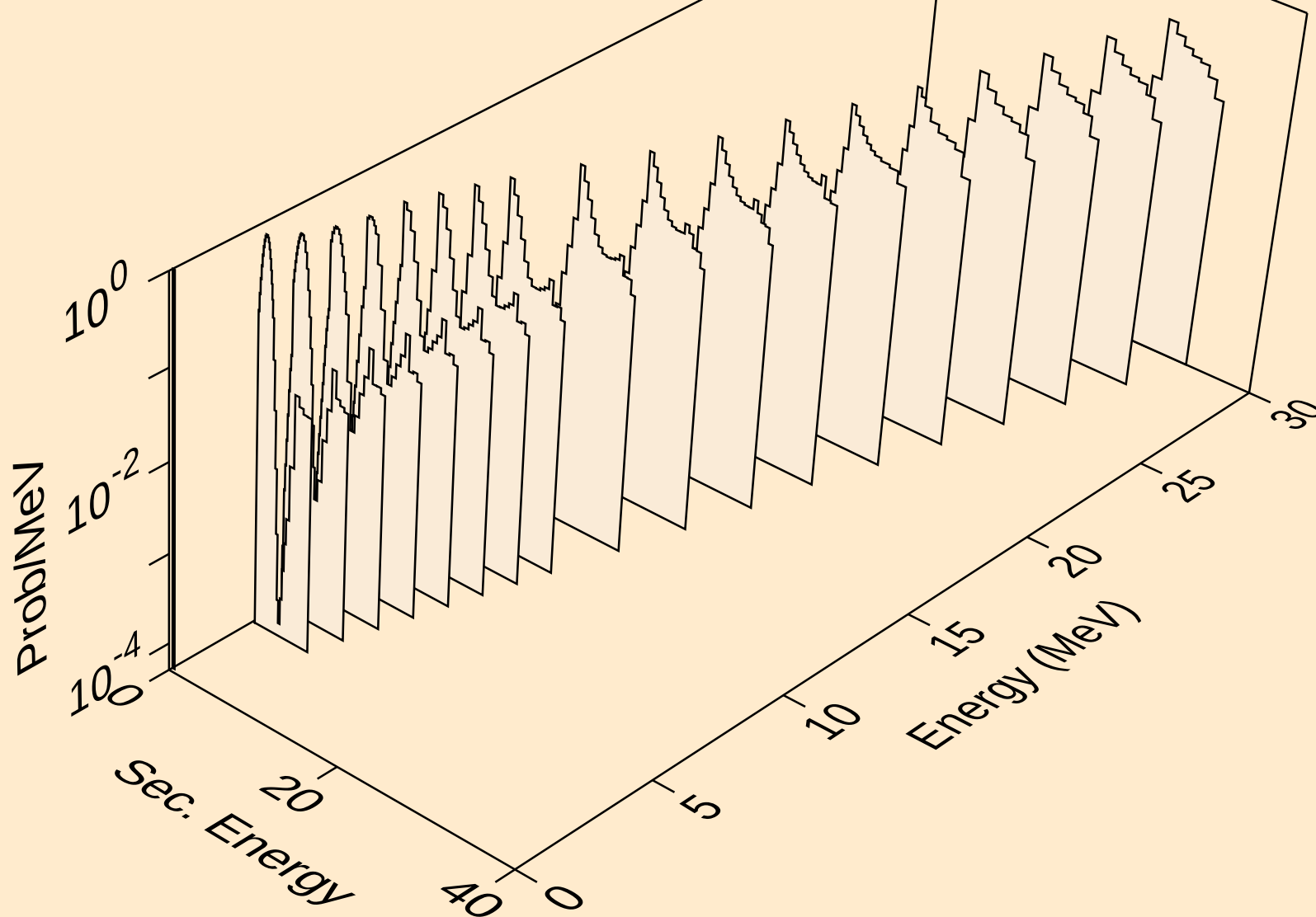
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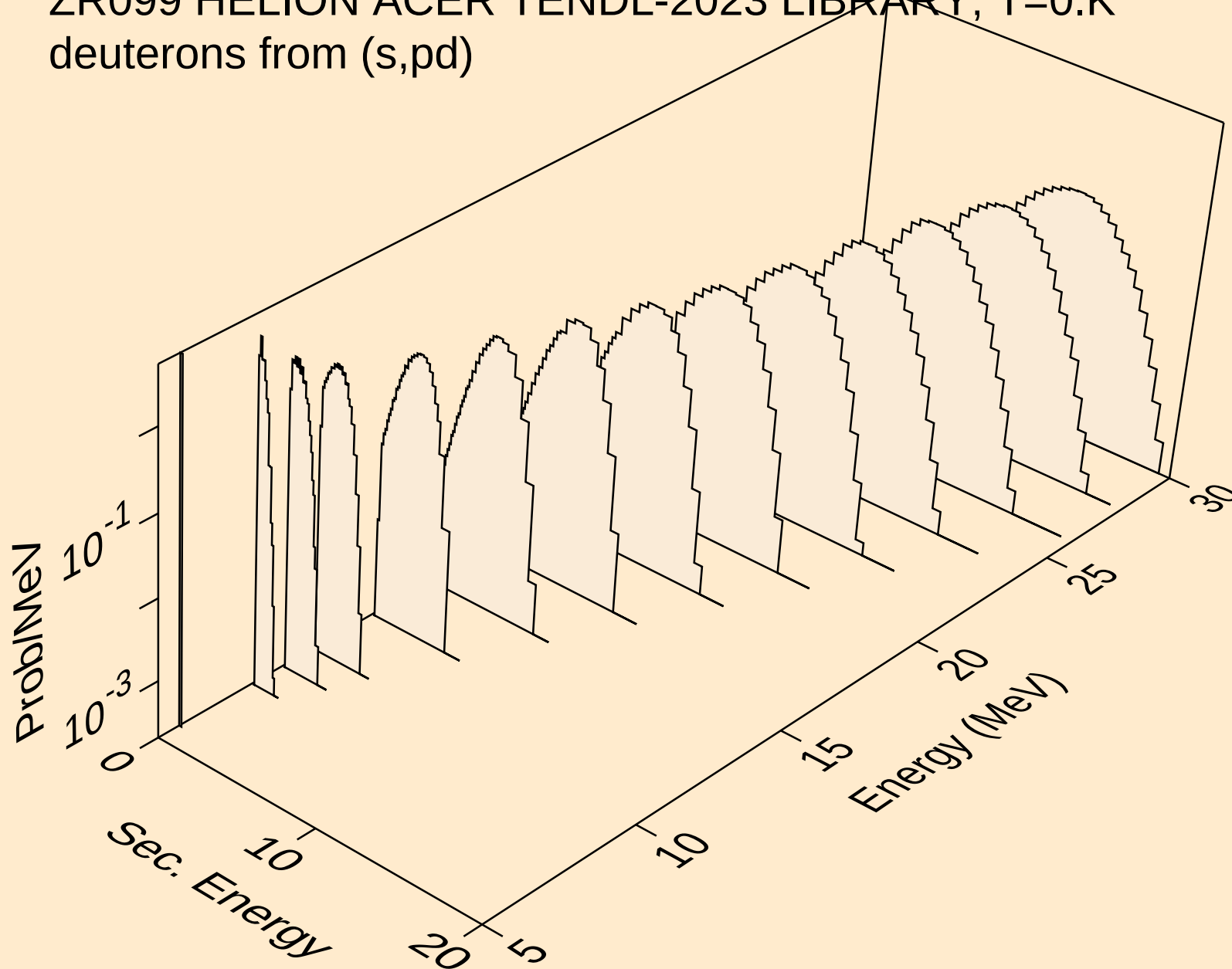
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deuterons from (s,n*)d



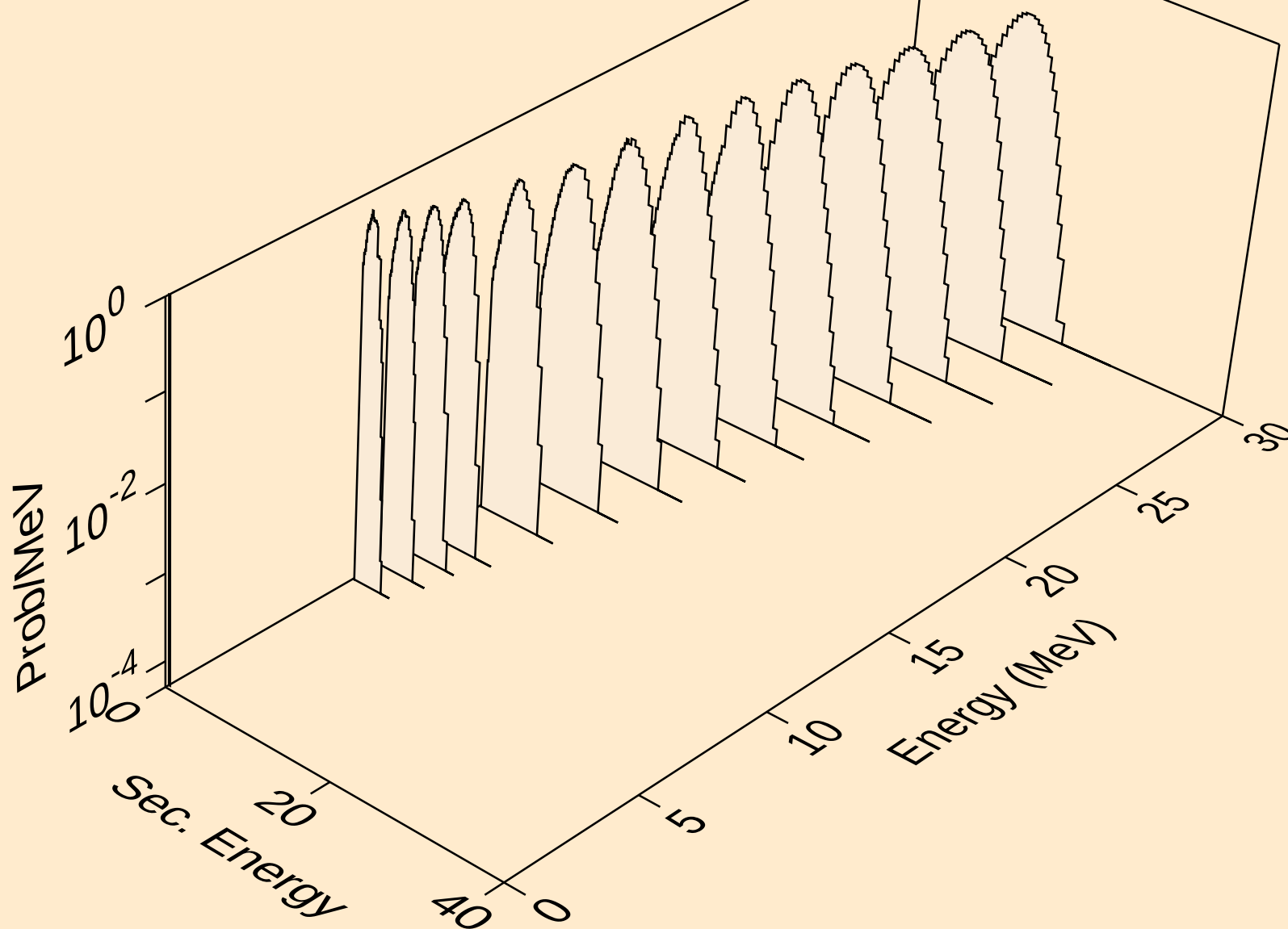
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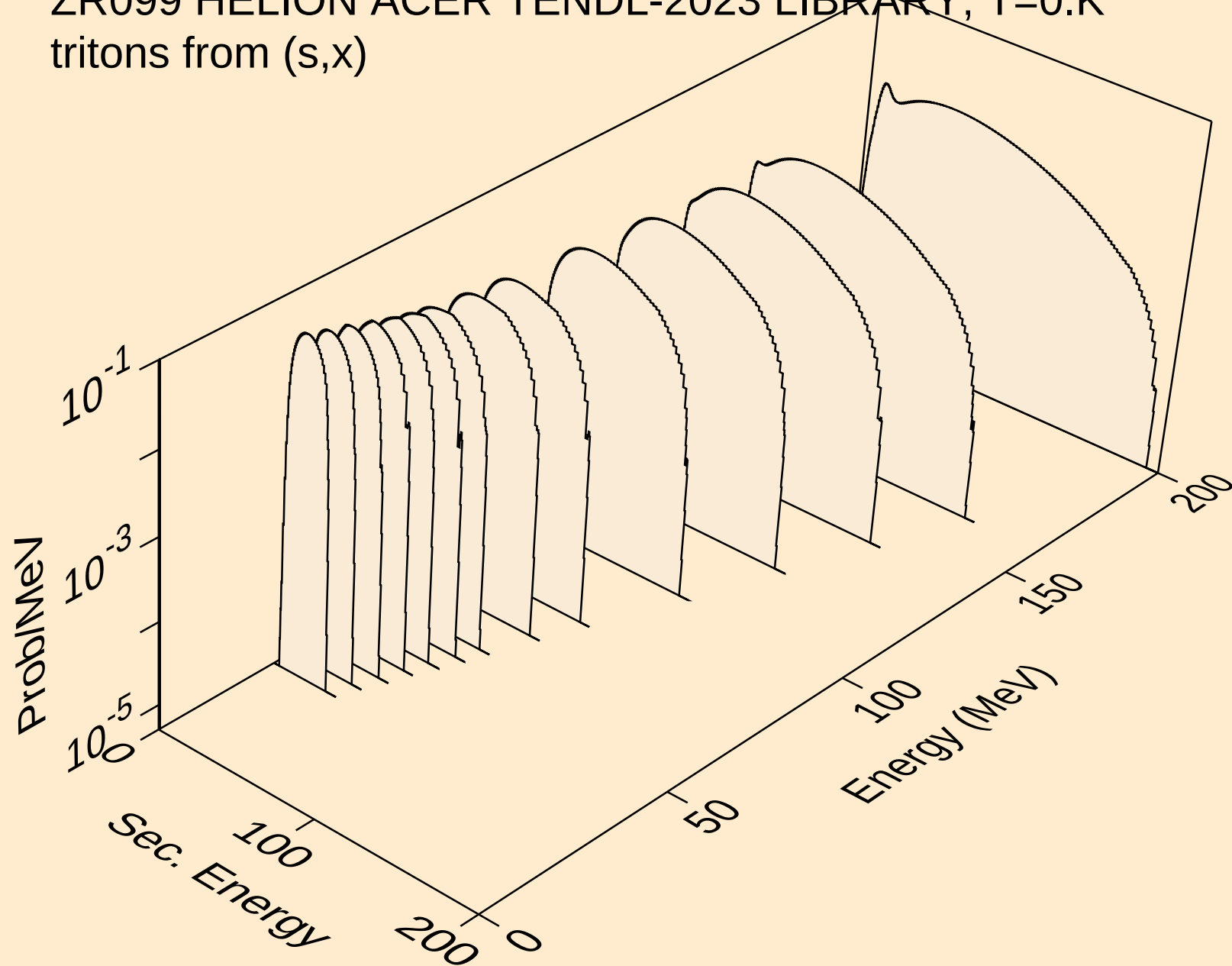
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deuterons from (s,pd)



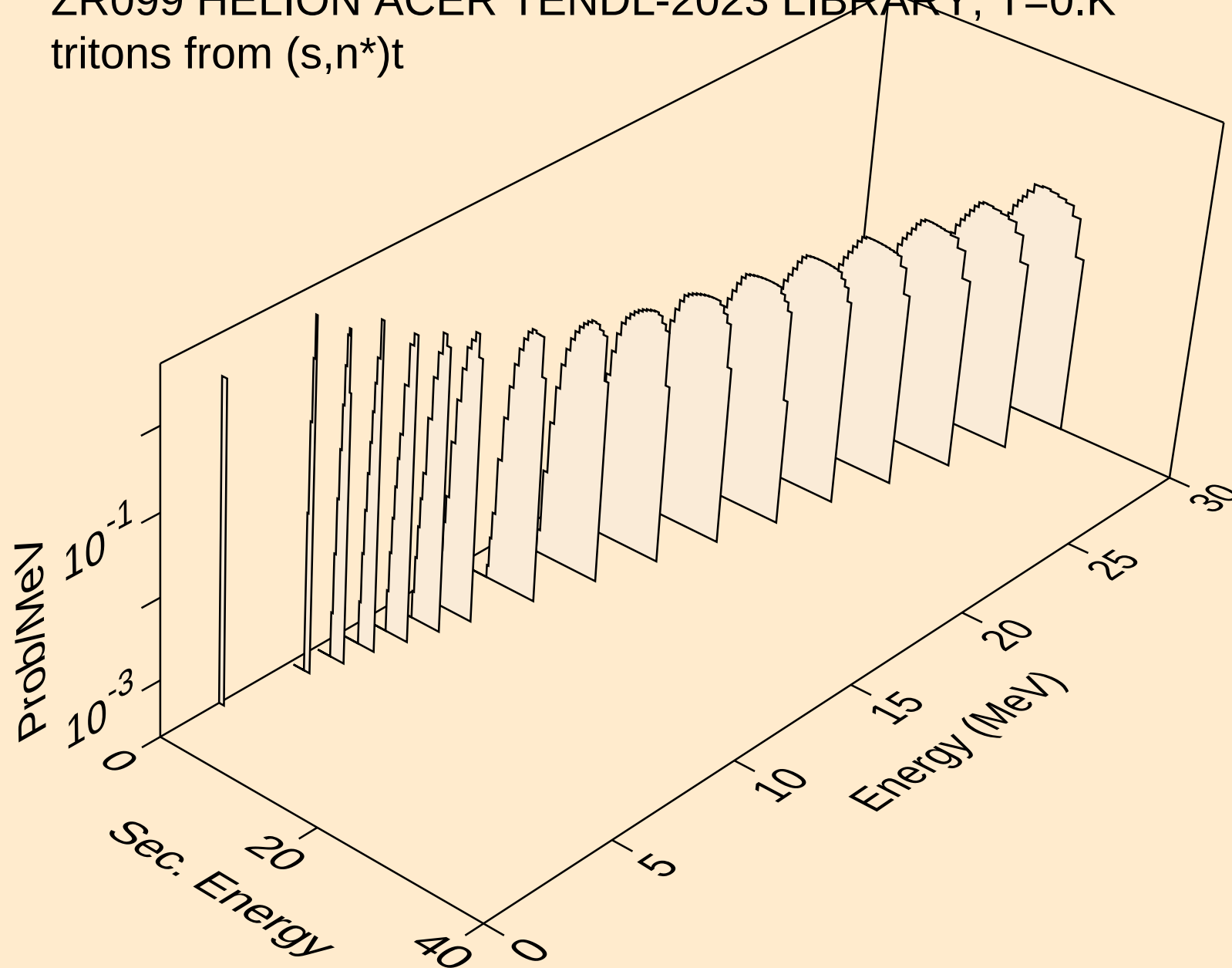
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deuterons from (s,da)



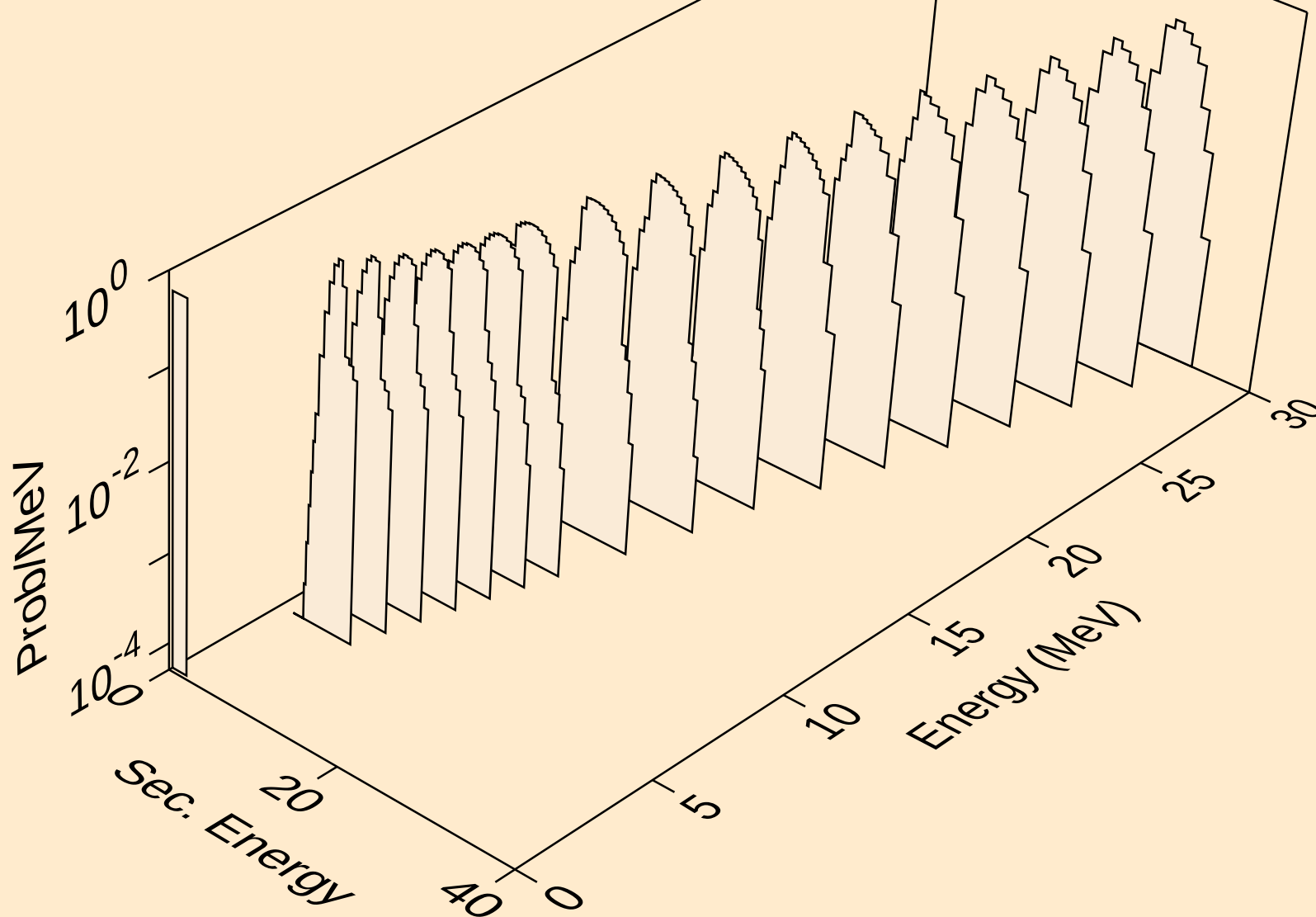
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tritons from (s,x)



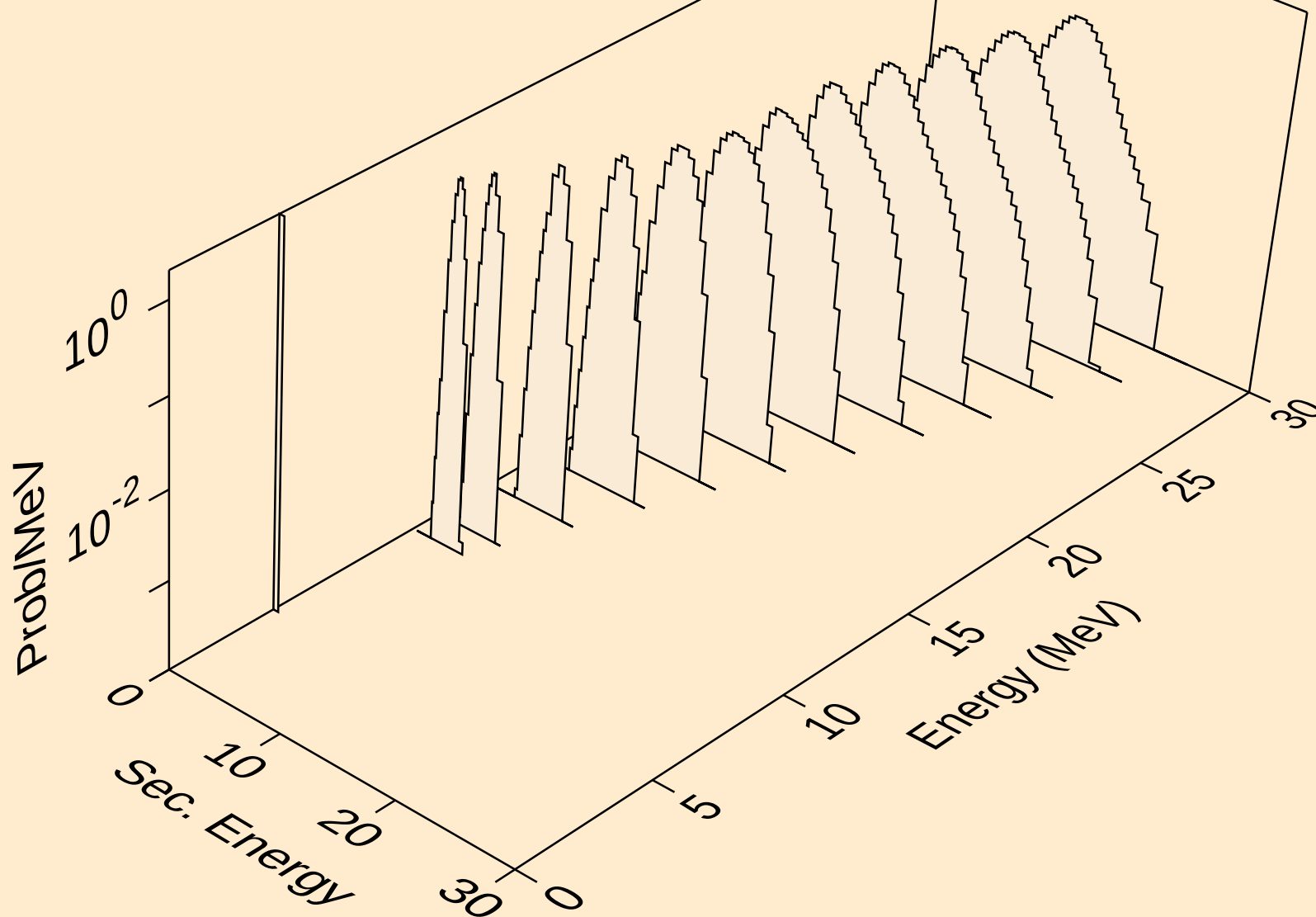
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tritons from (s,n*)t



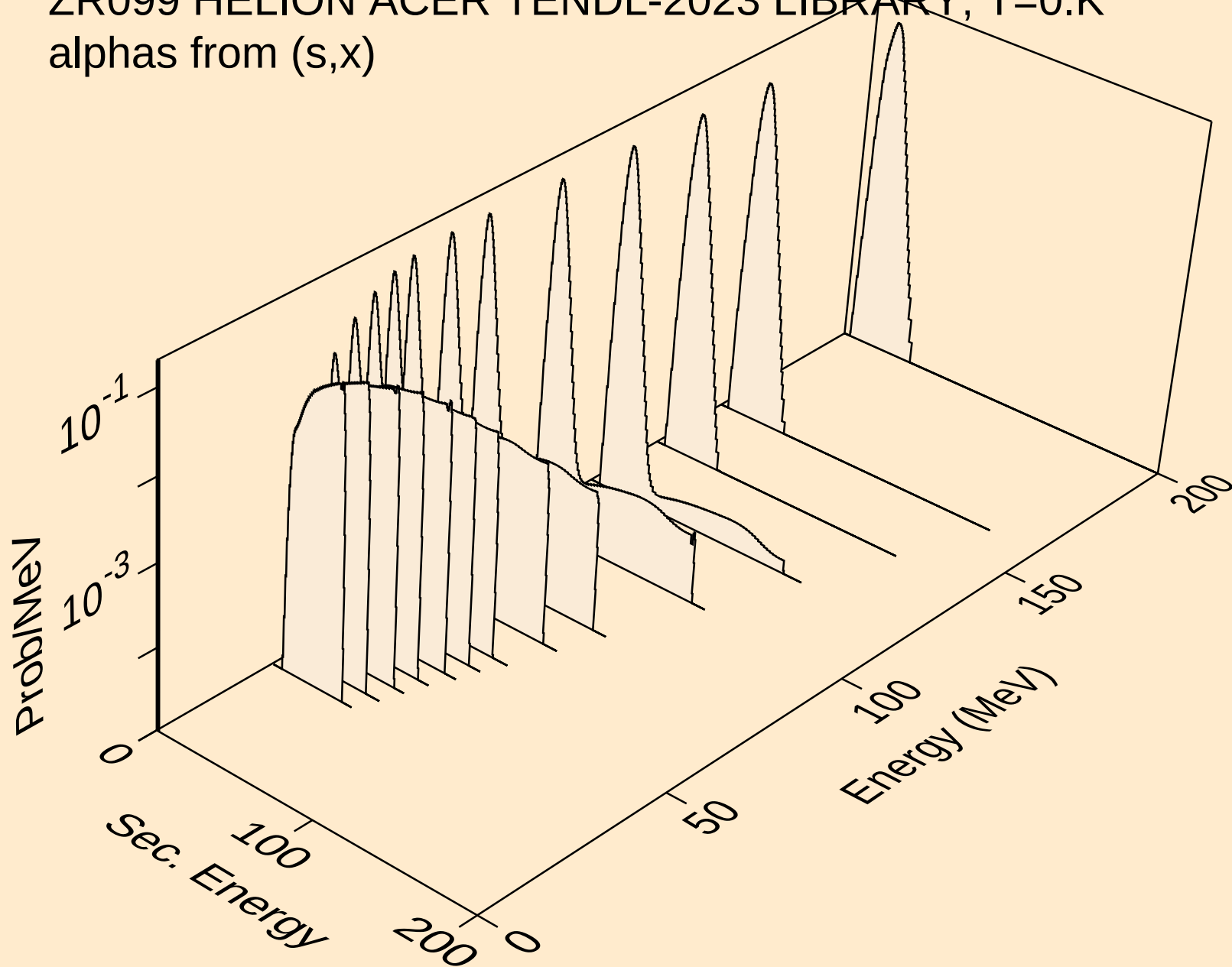
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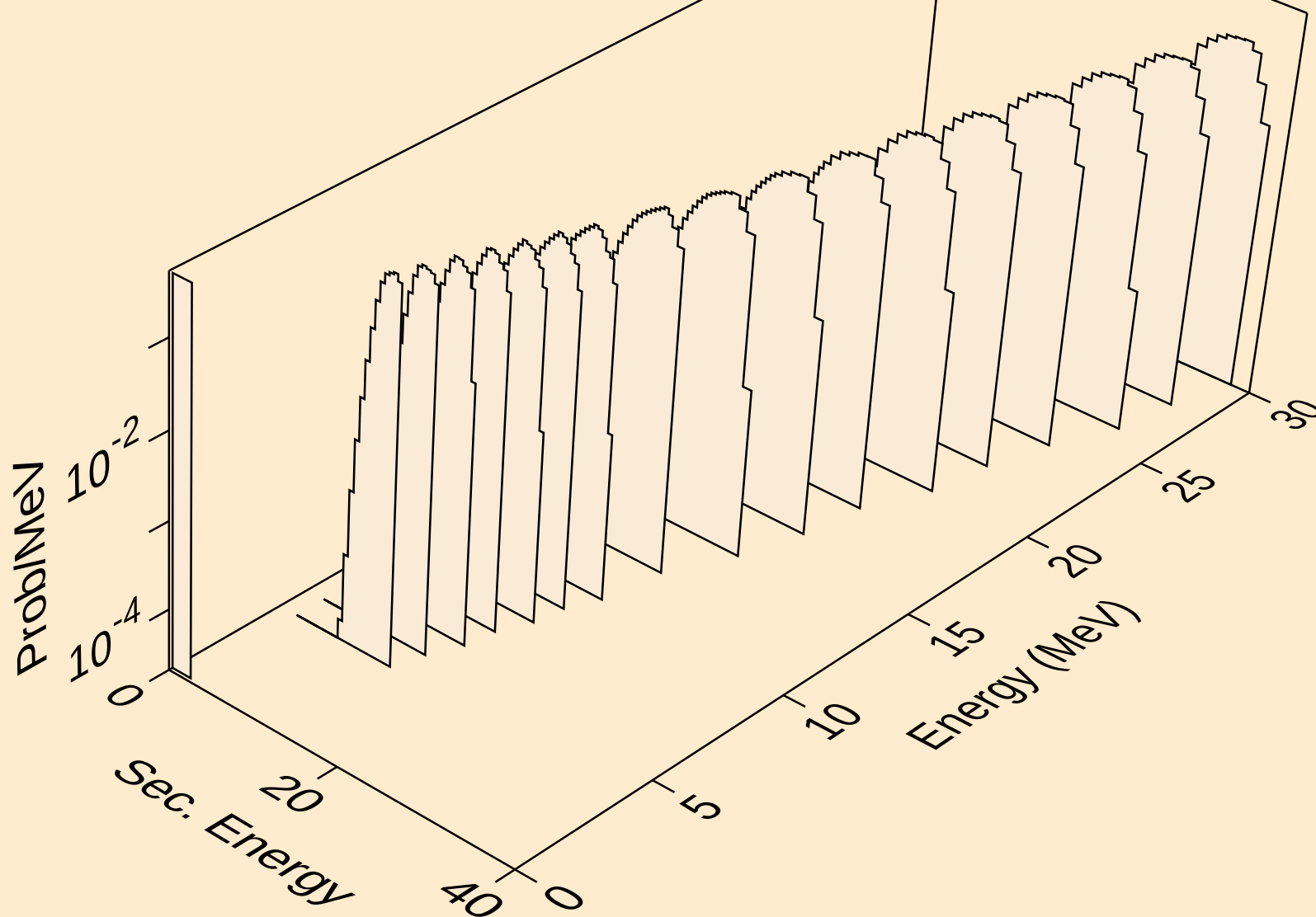
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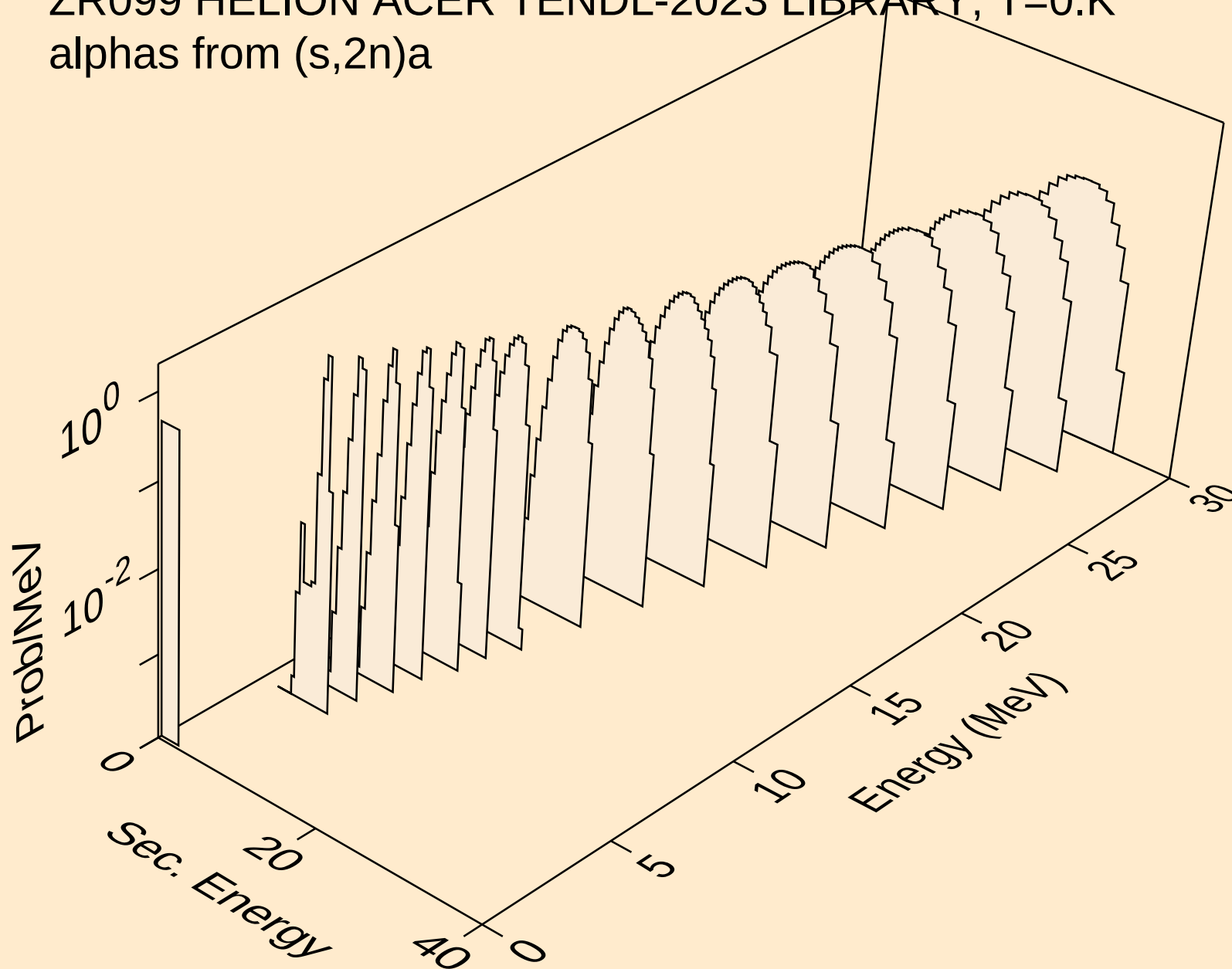
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alphas from (s,x)



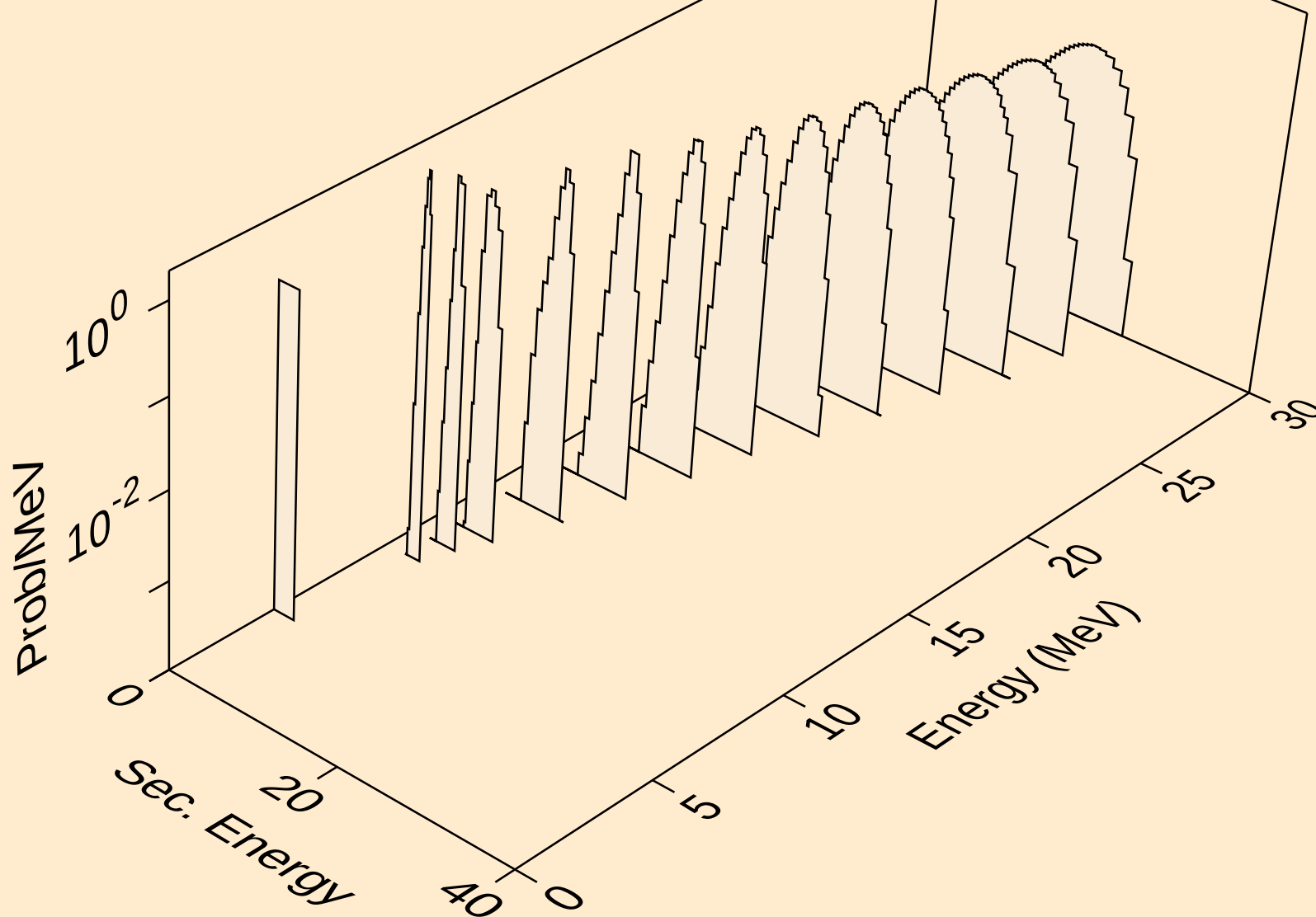
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alphas from (s,n*)a



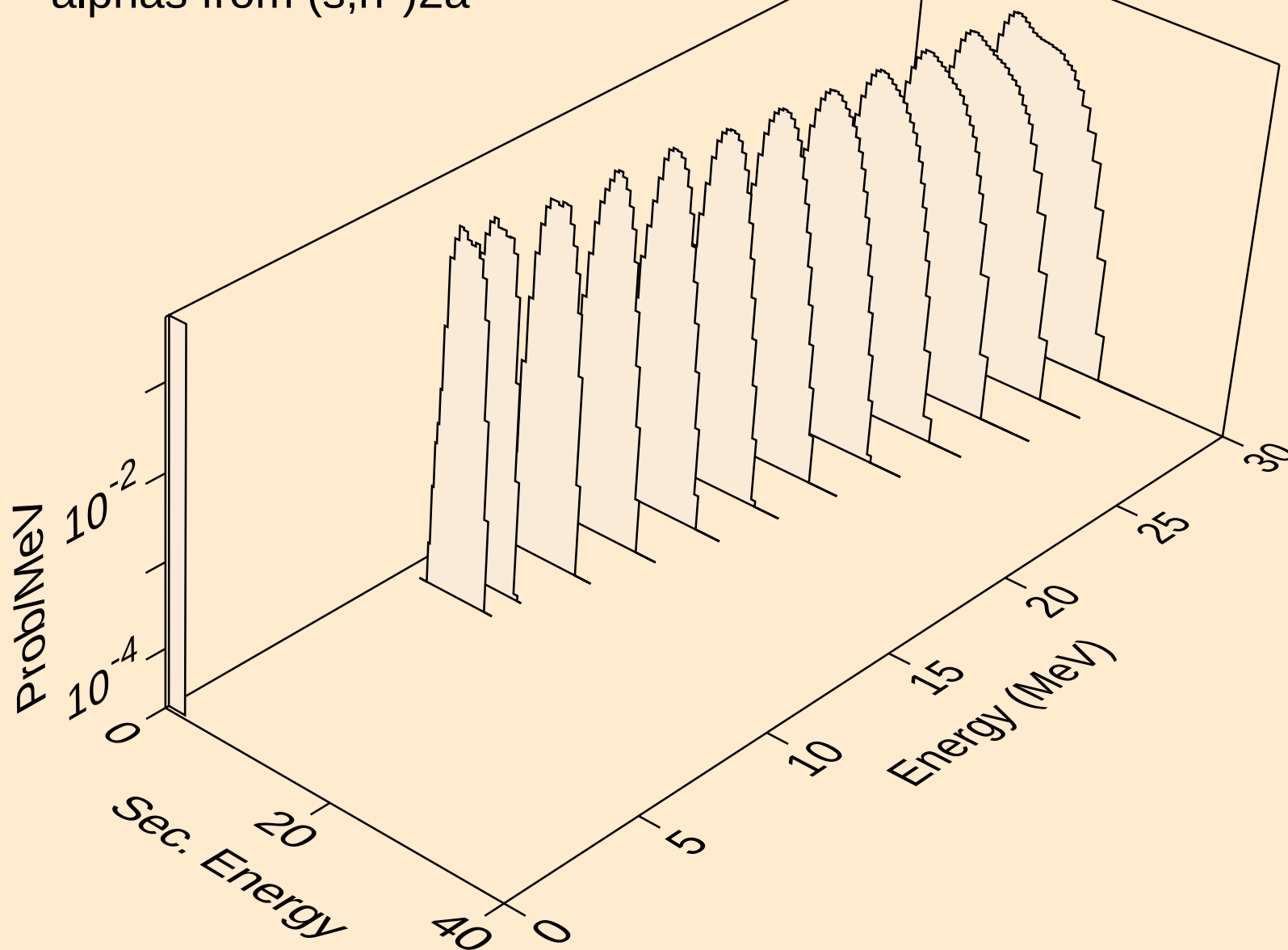
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alphas from (s,2n)a



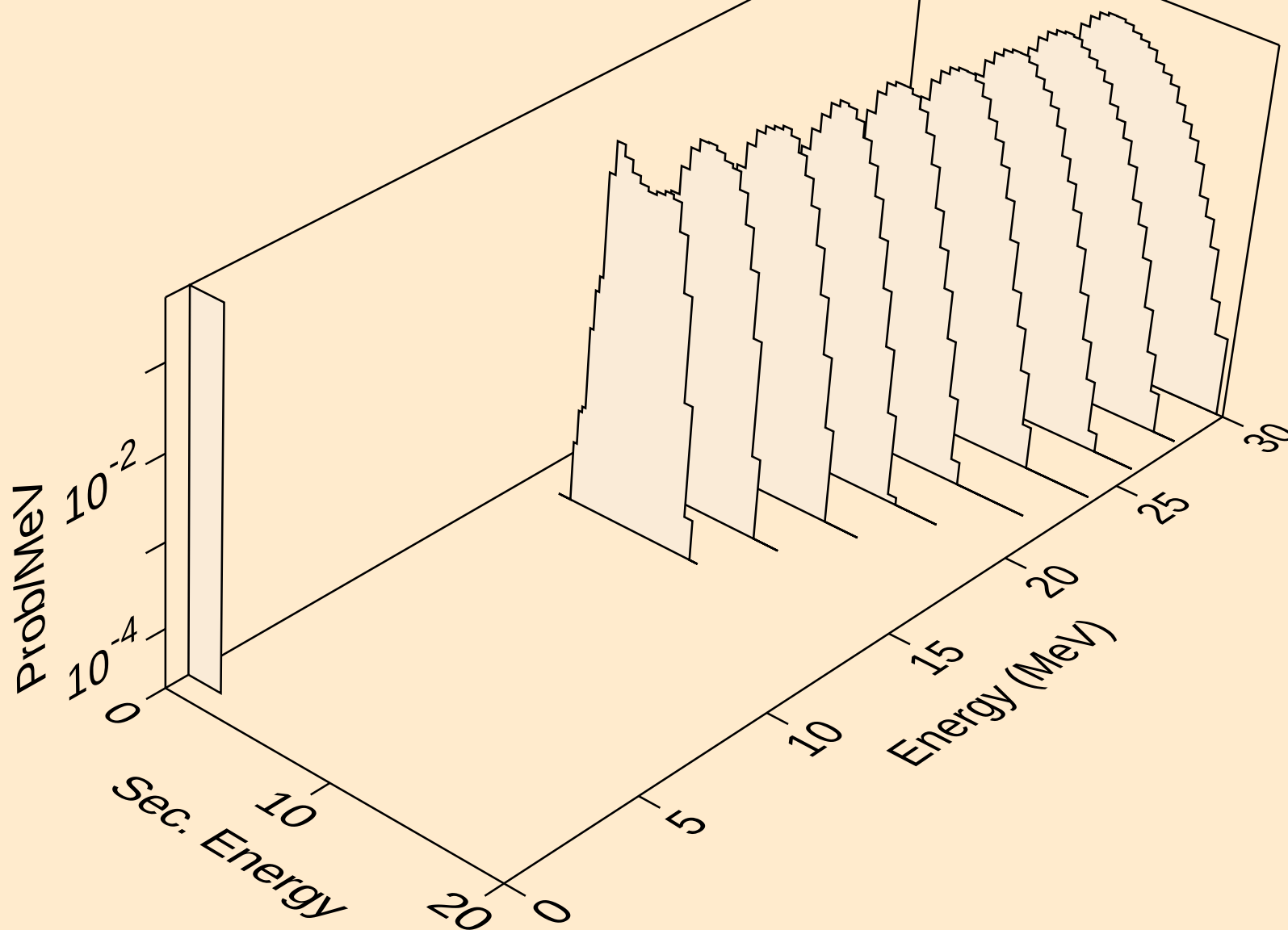
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alphas from (s,3n)a



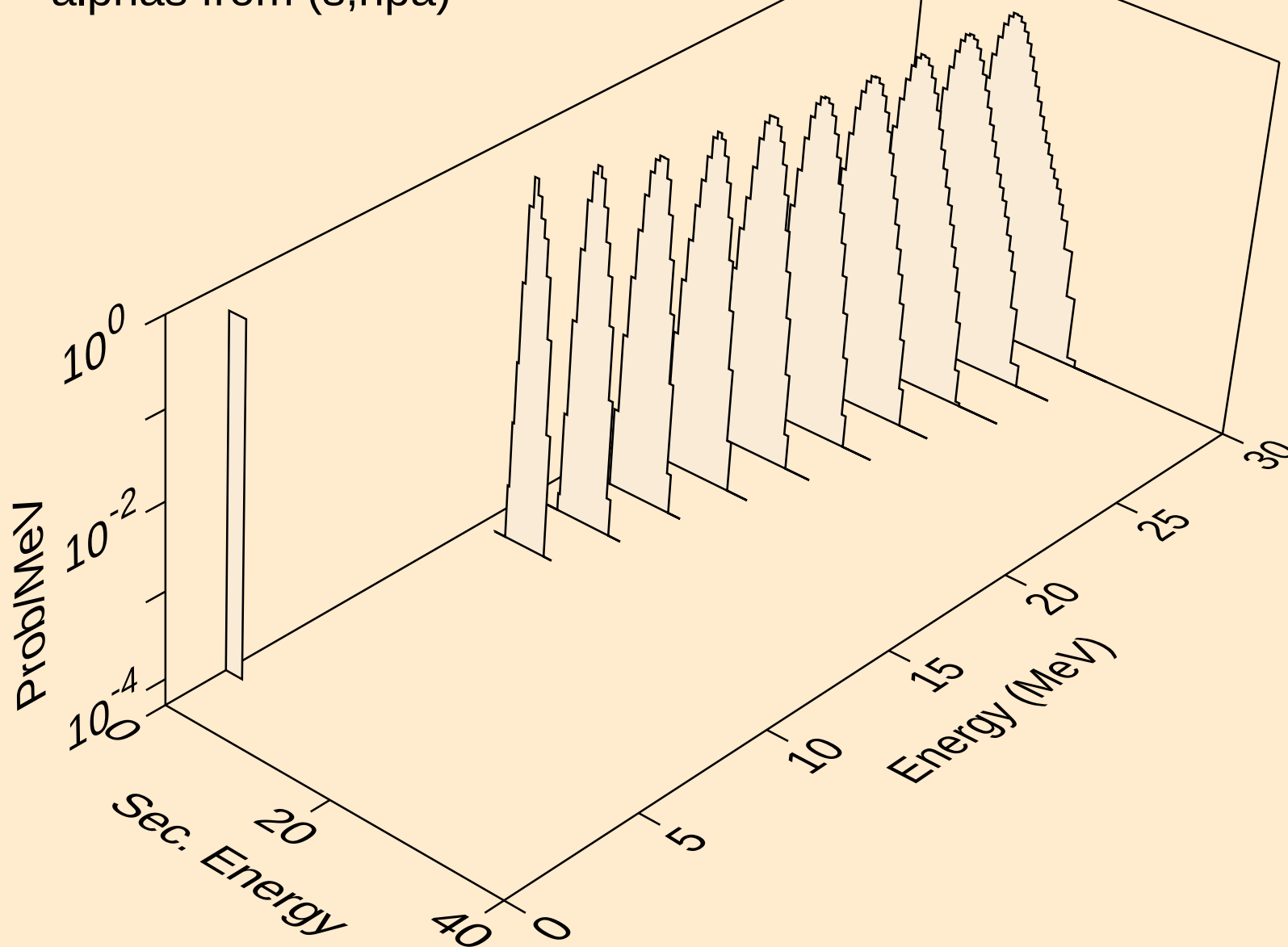
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alphas from (s,n*)2a



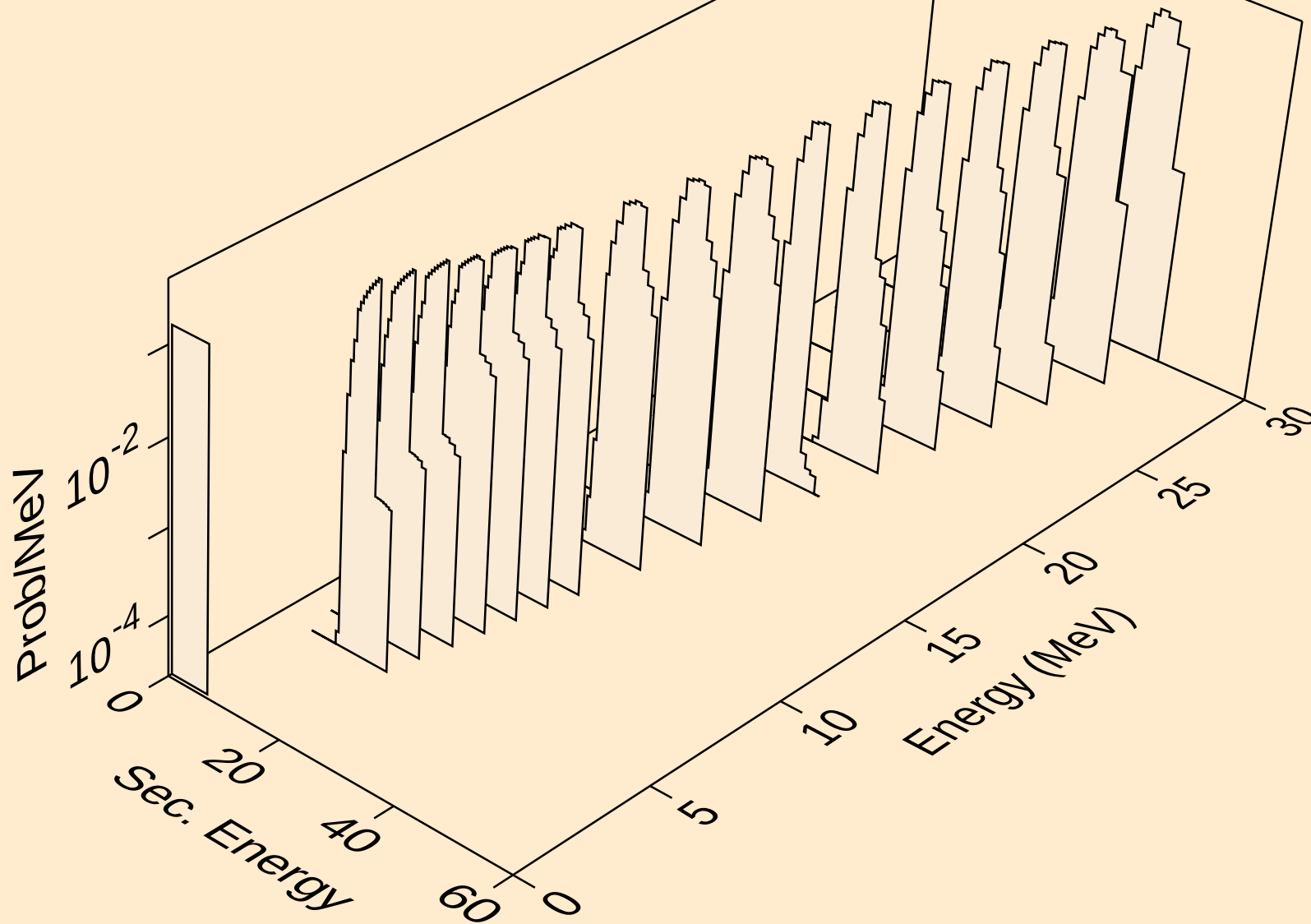
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alphas from (s,2n)2a



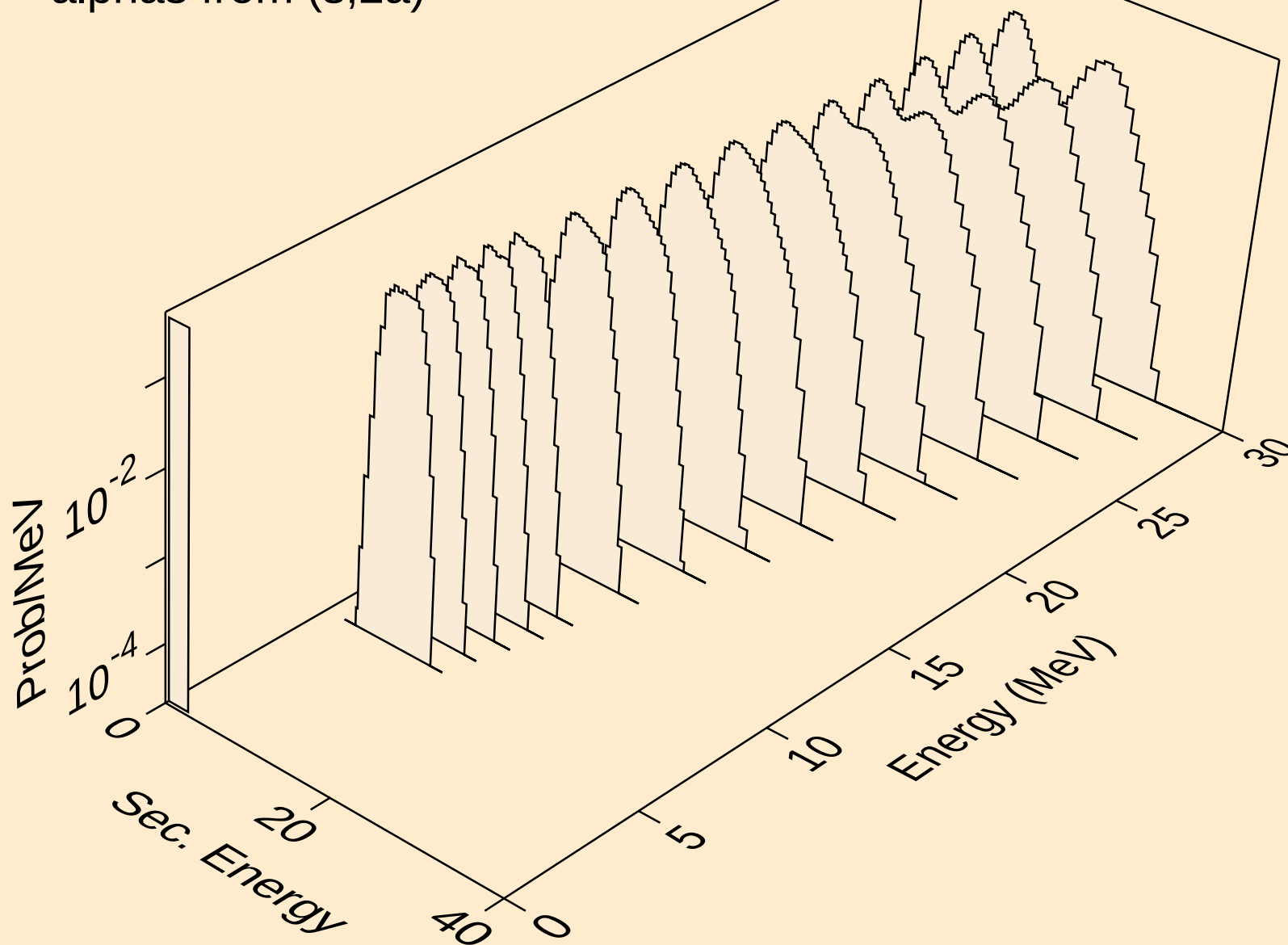
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alphas from (s,npa)



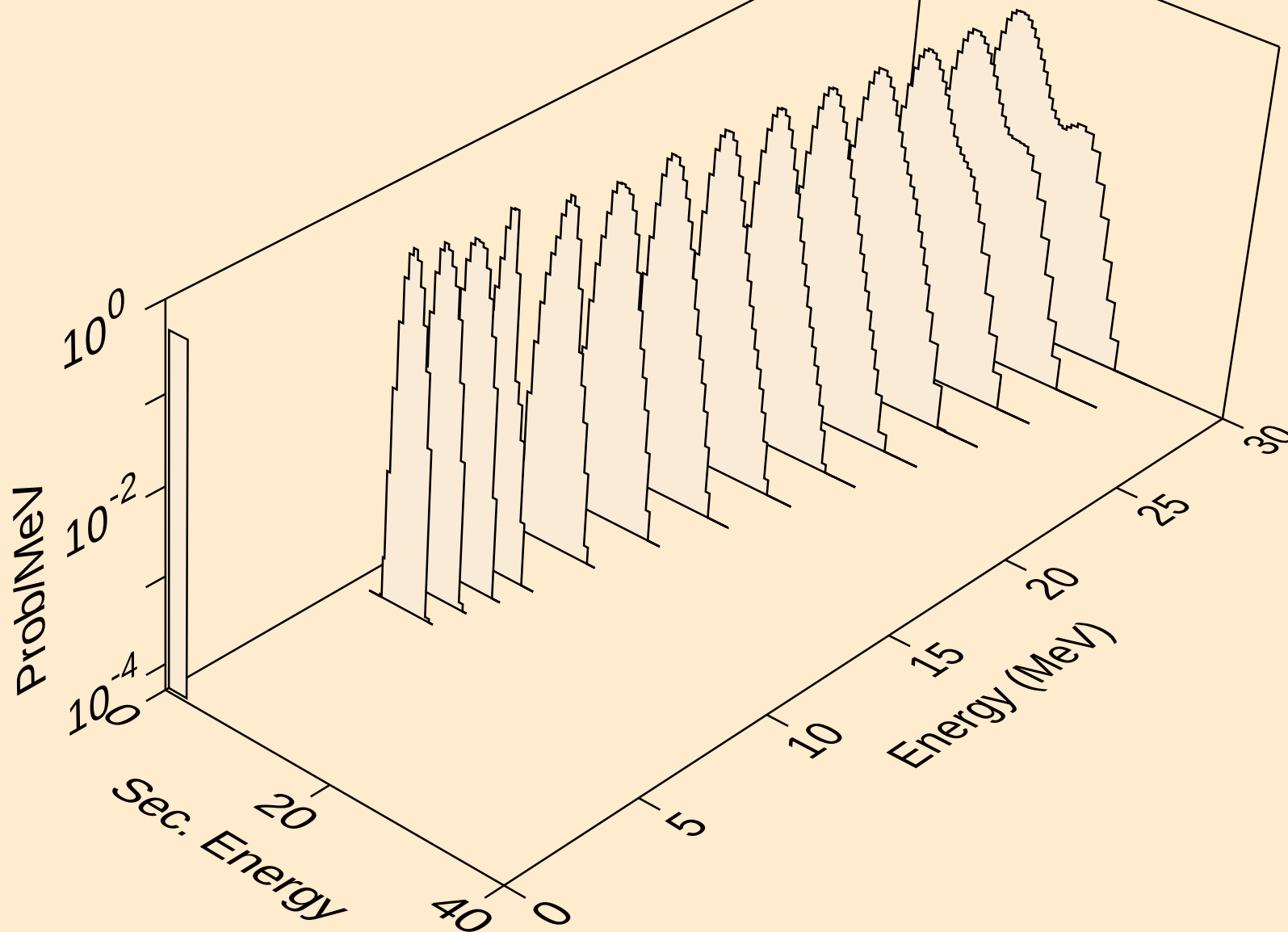
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alphas from (s,a)



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,2a)



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,pa)



ZR099 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,da)

