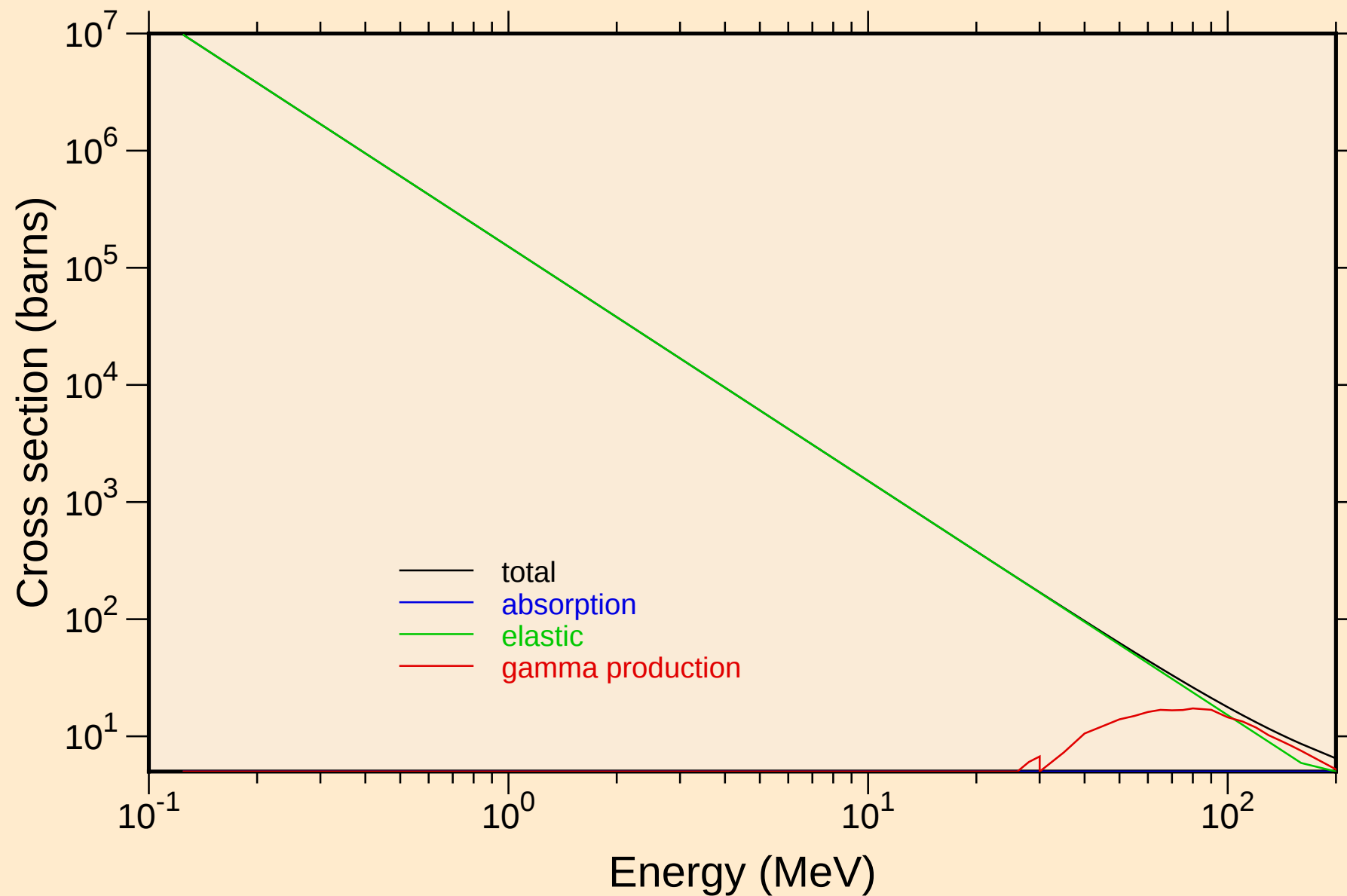


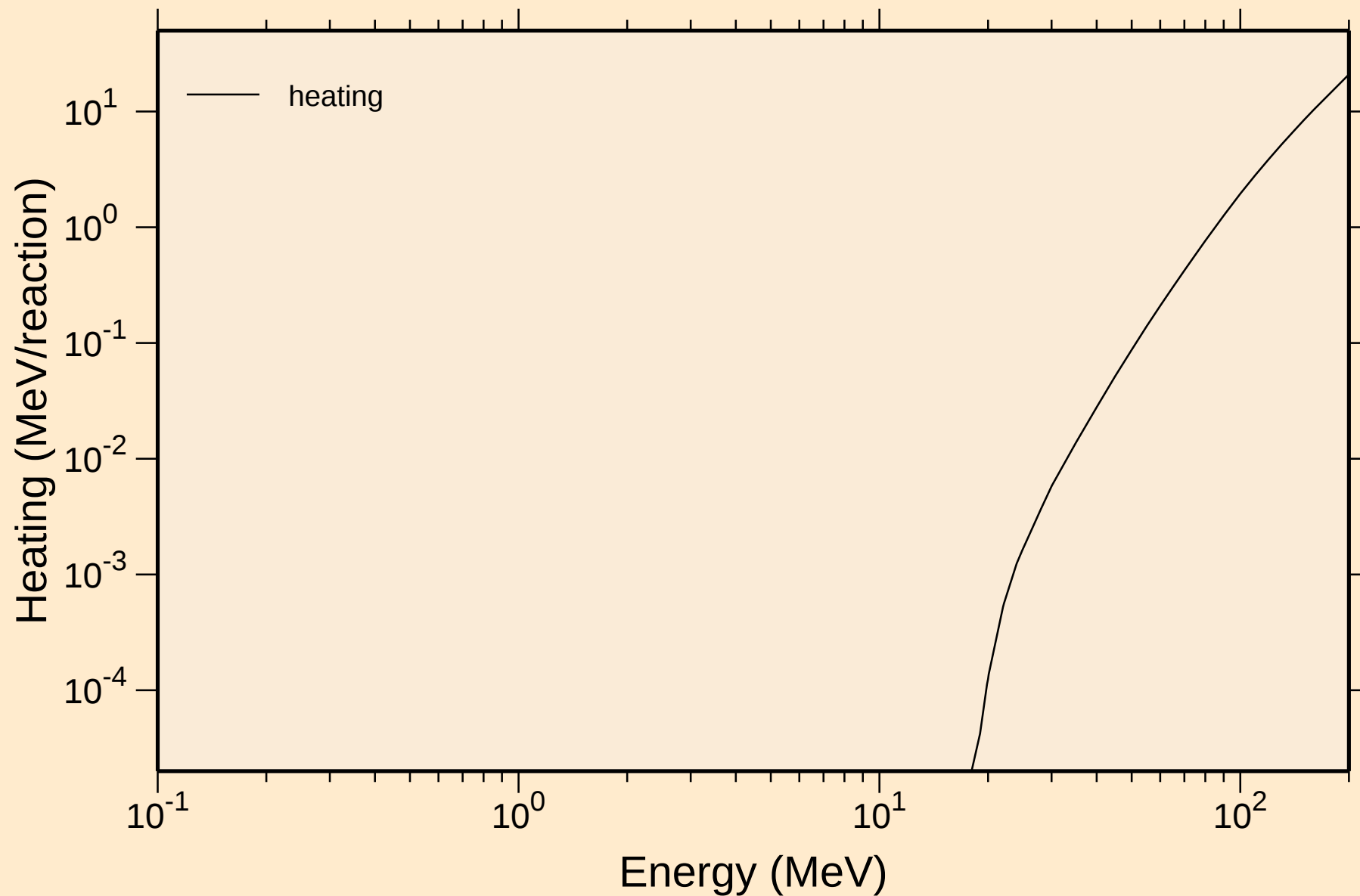
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



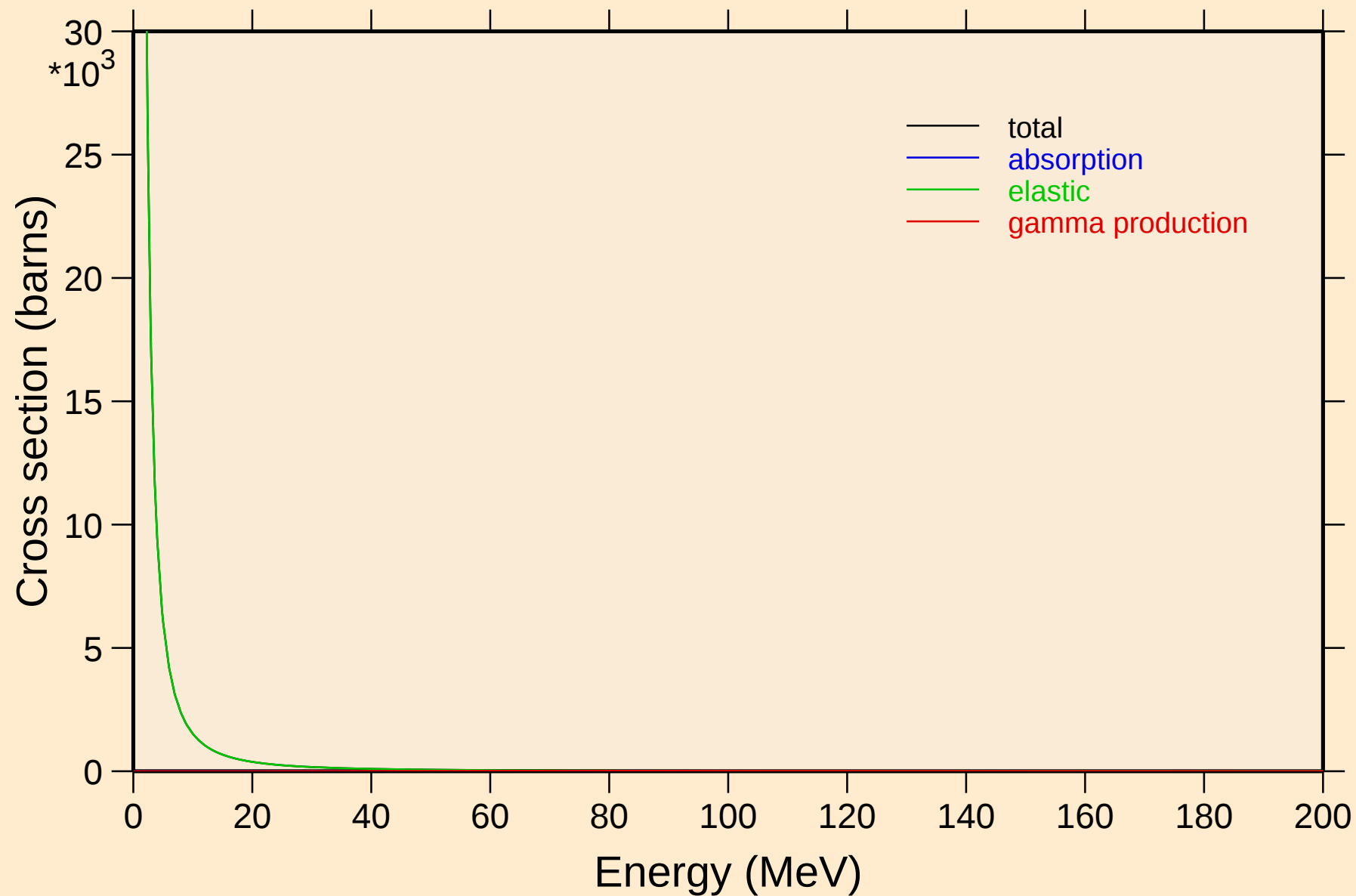
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Heating



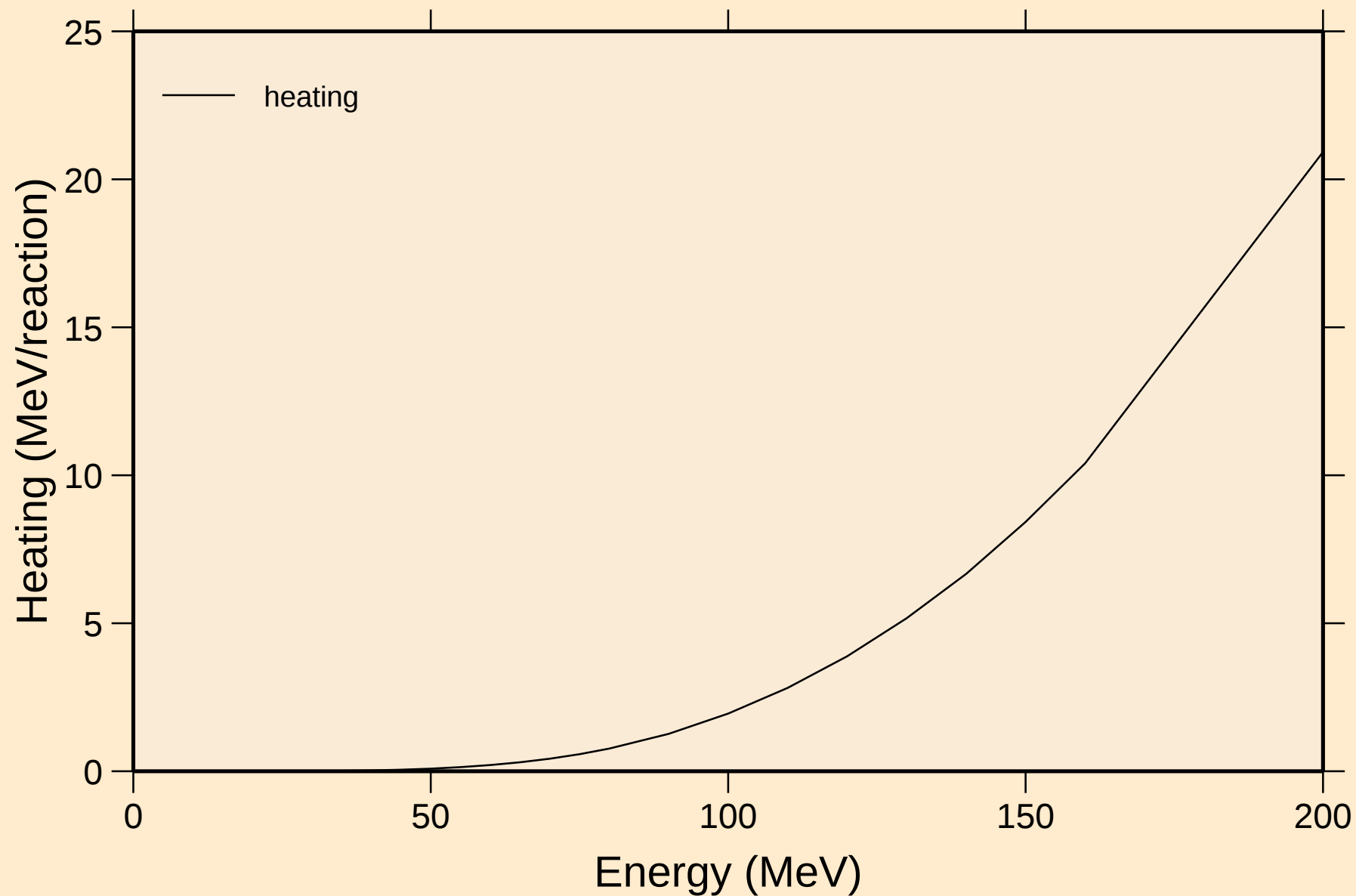
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Principal cross sections



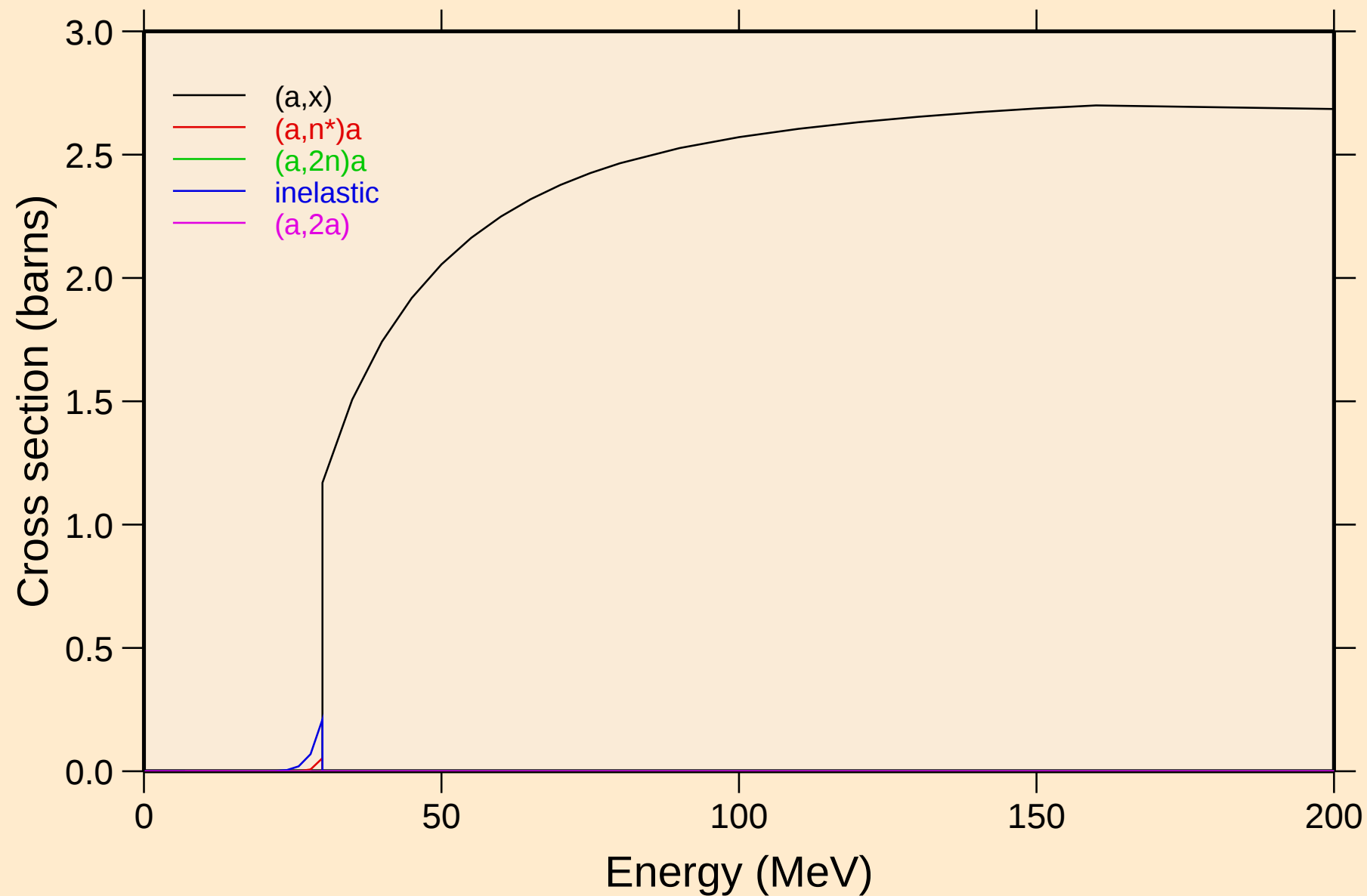
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Heating



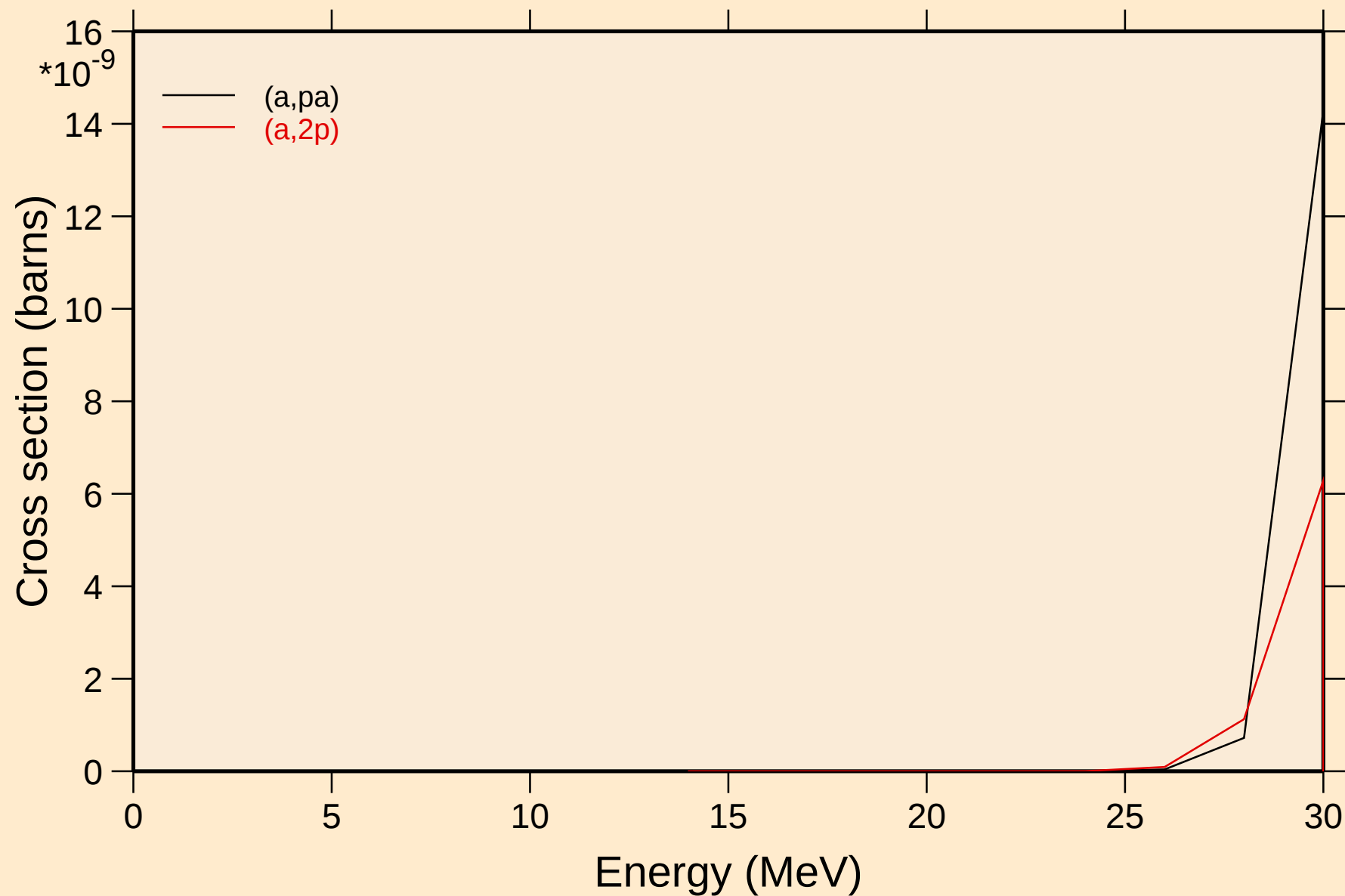
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Threshold reactions



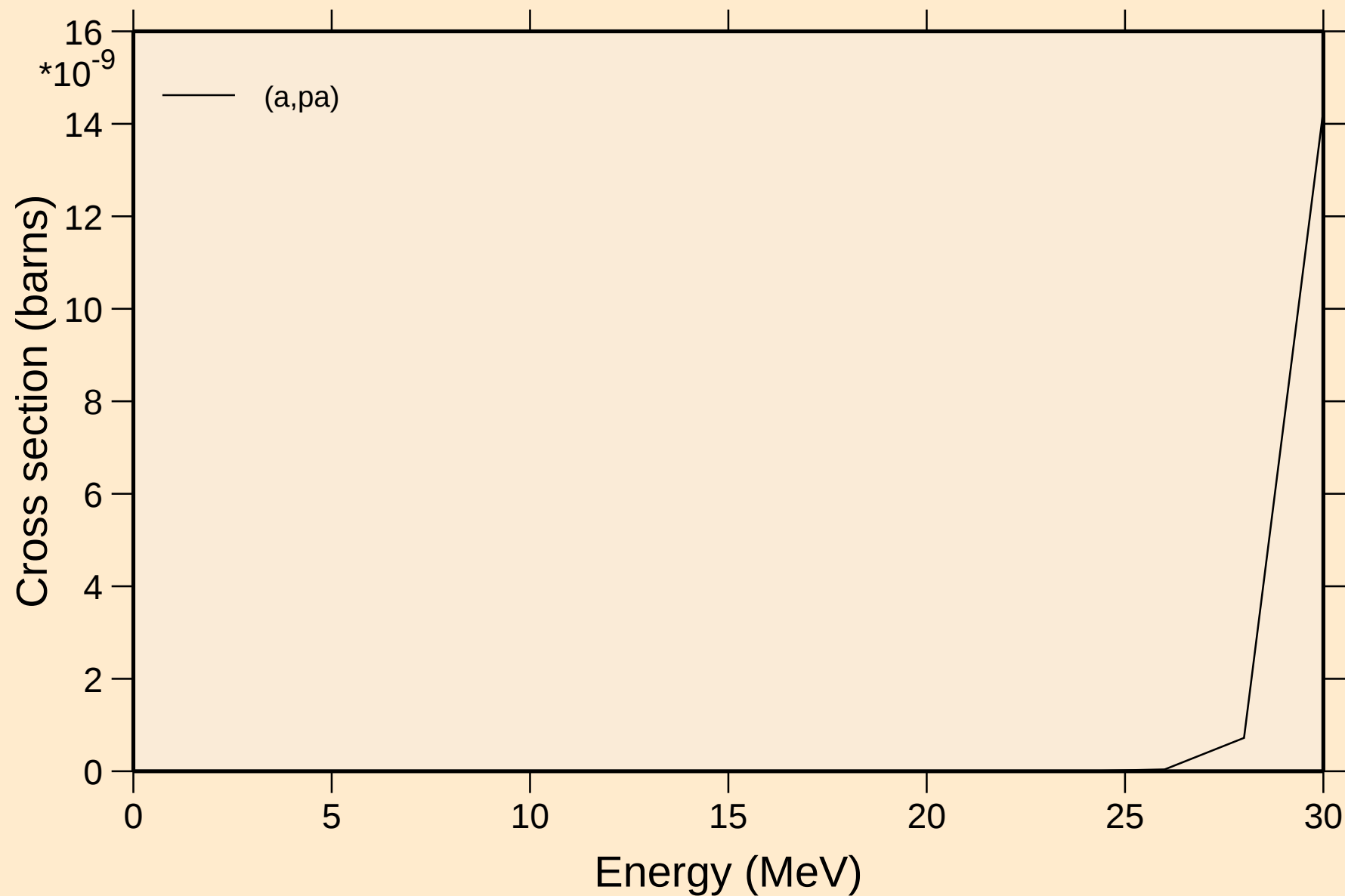
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

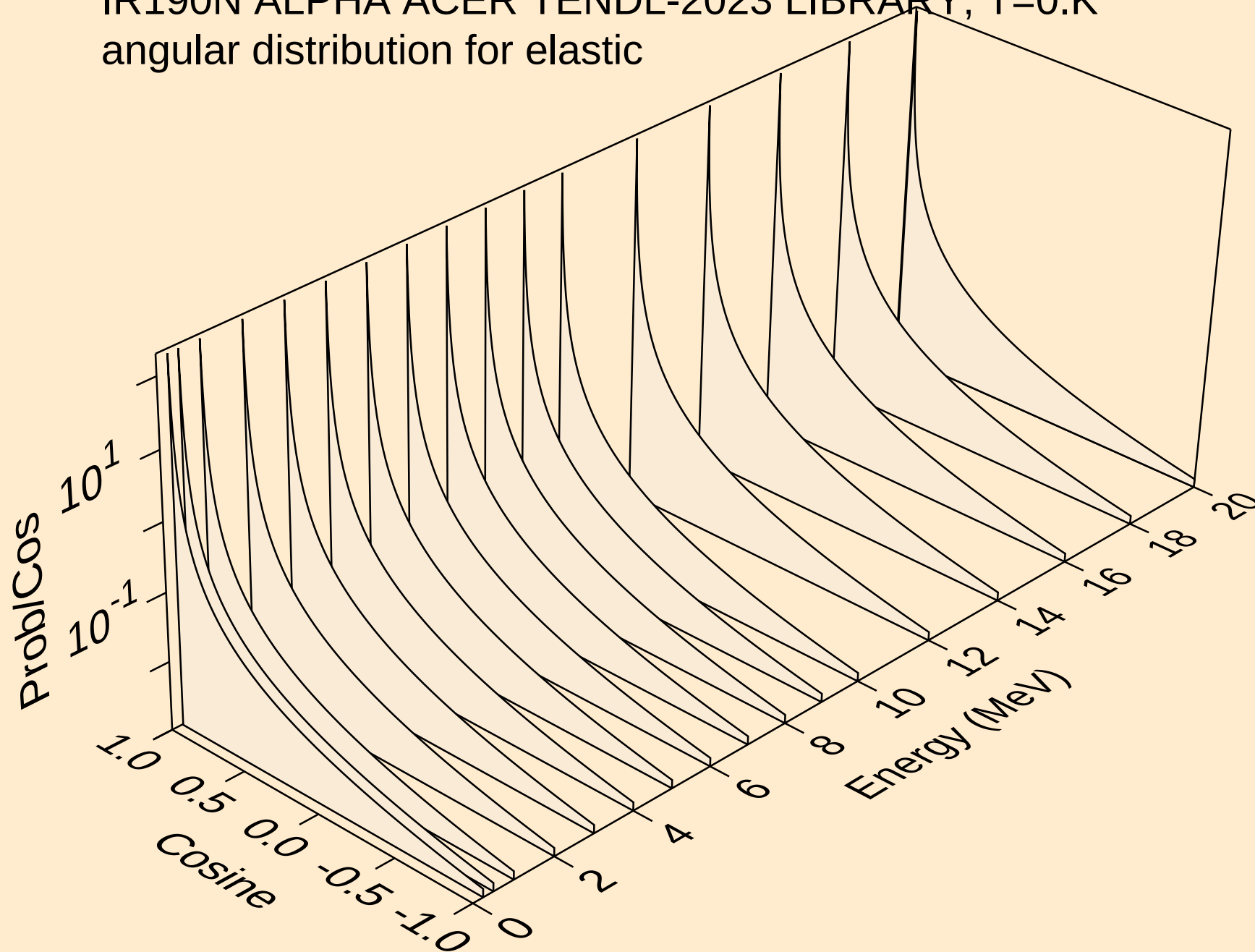


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

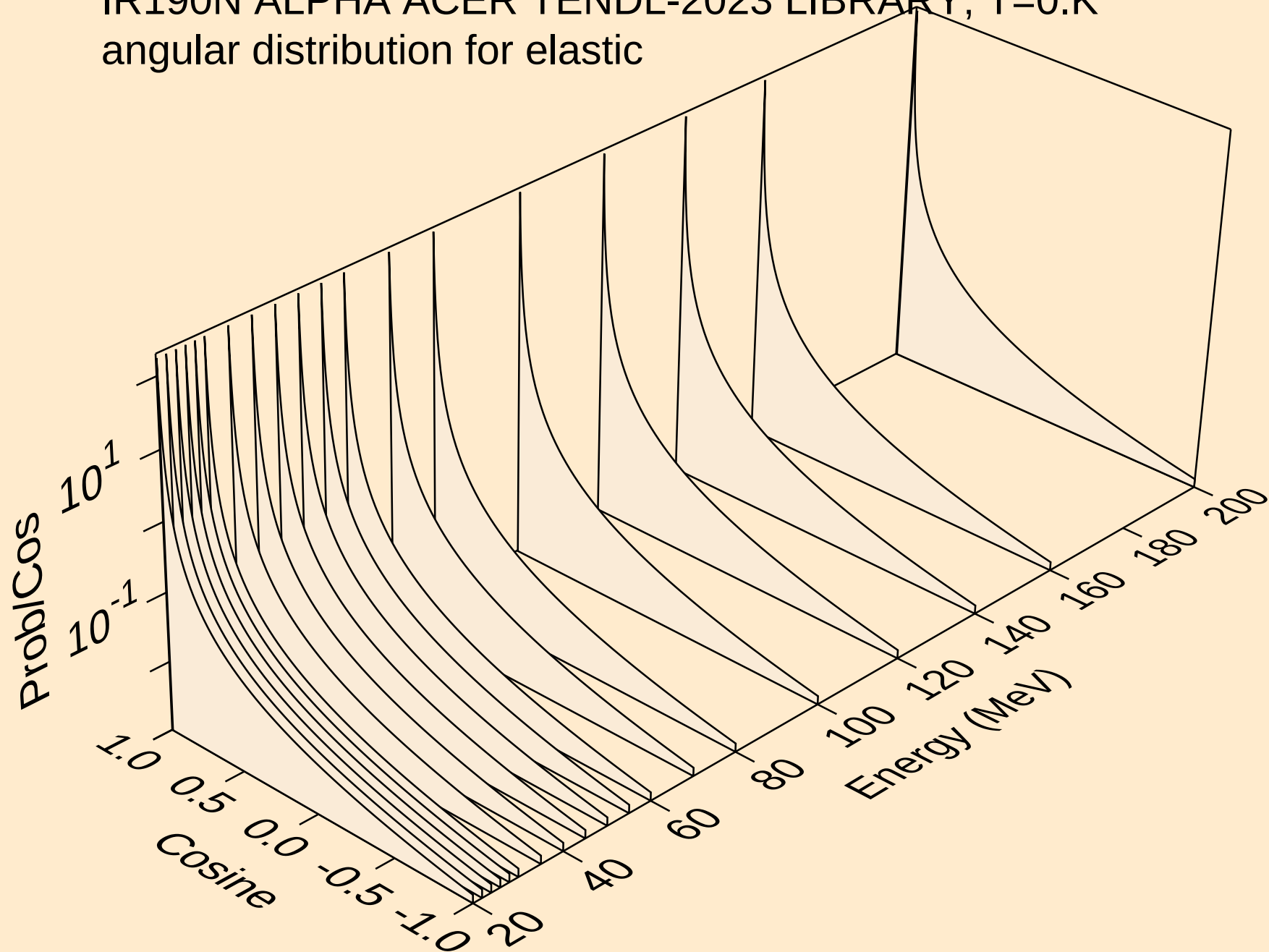
Threshold reactions



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

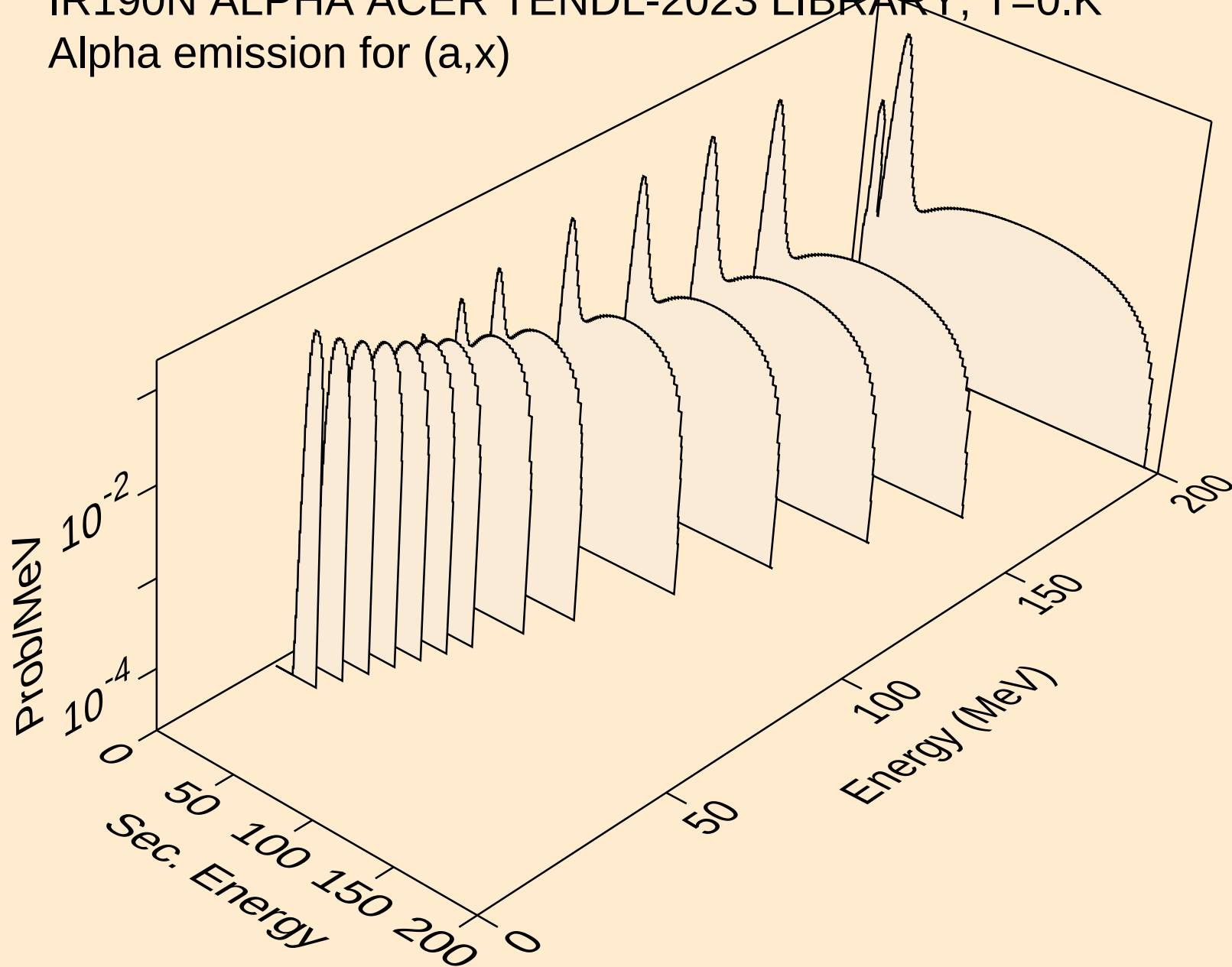


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



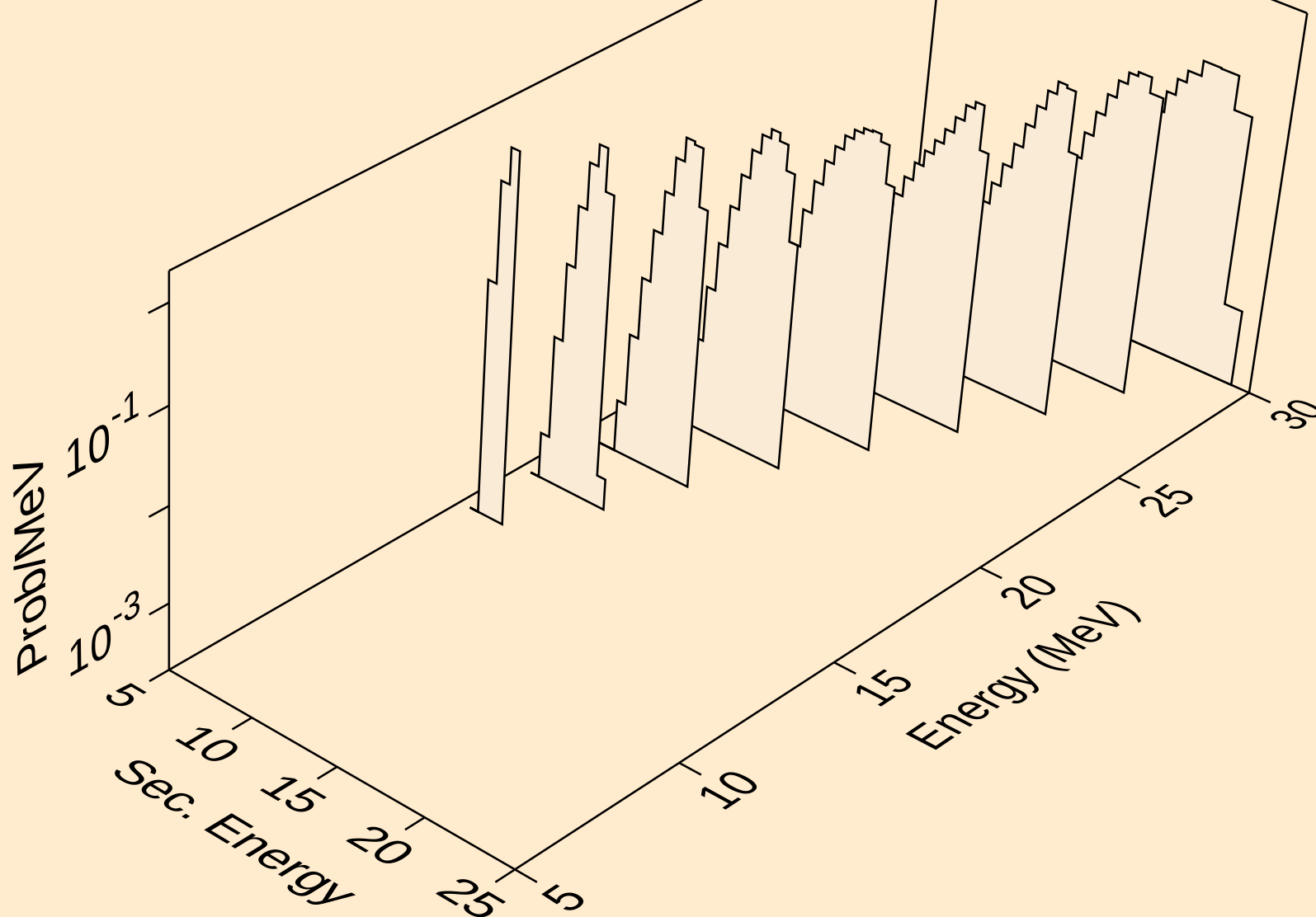
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



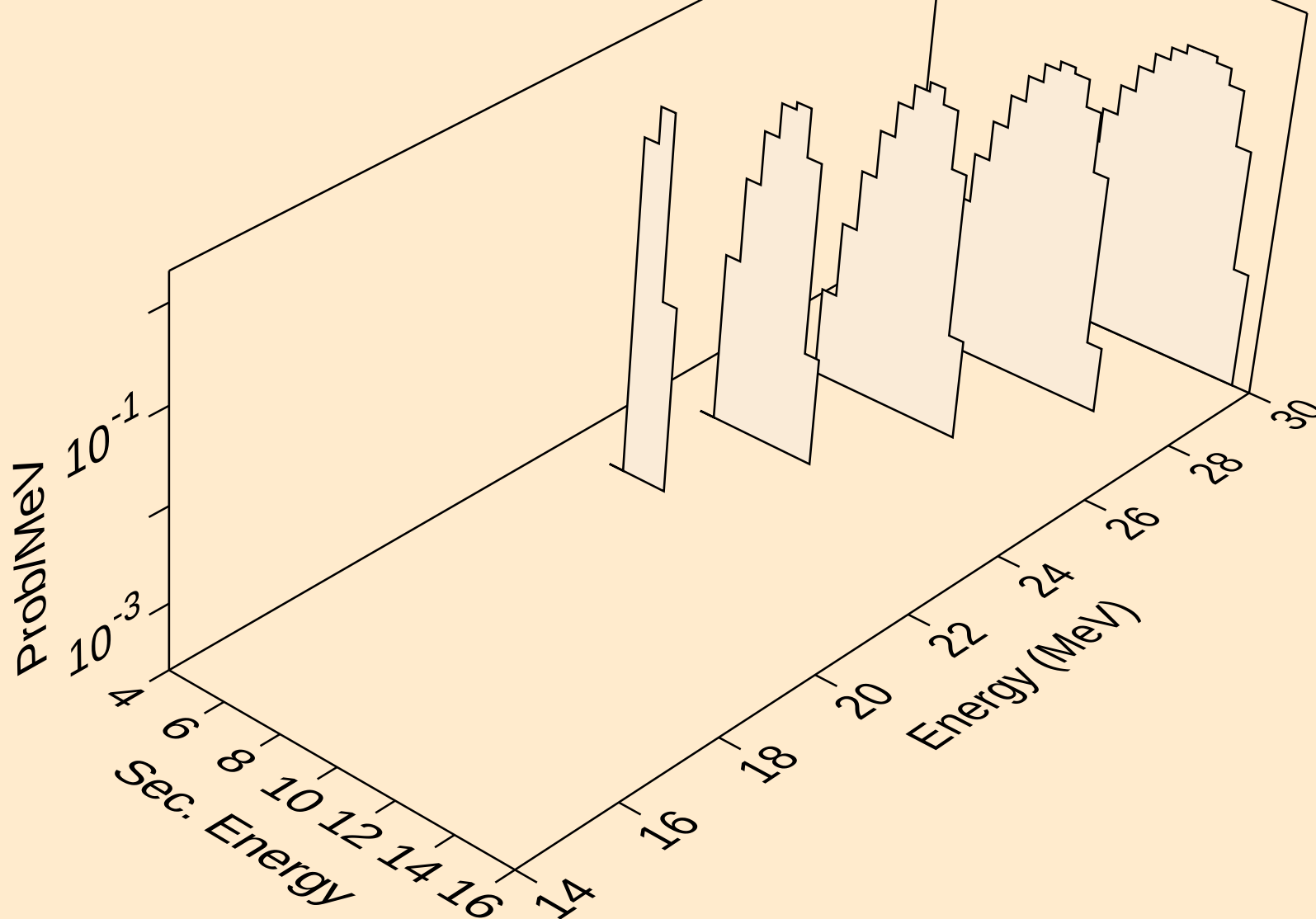
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a



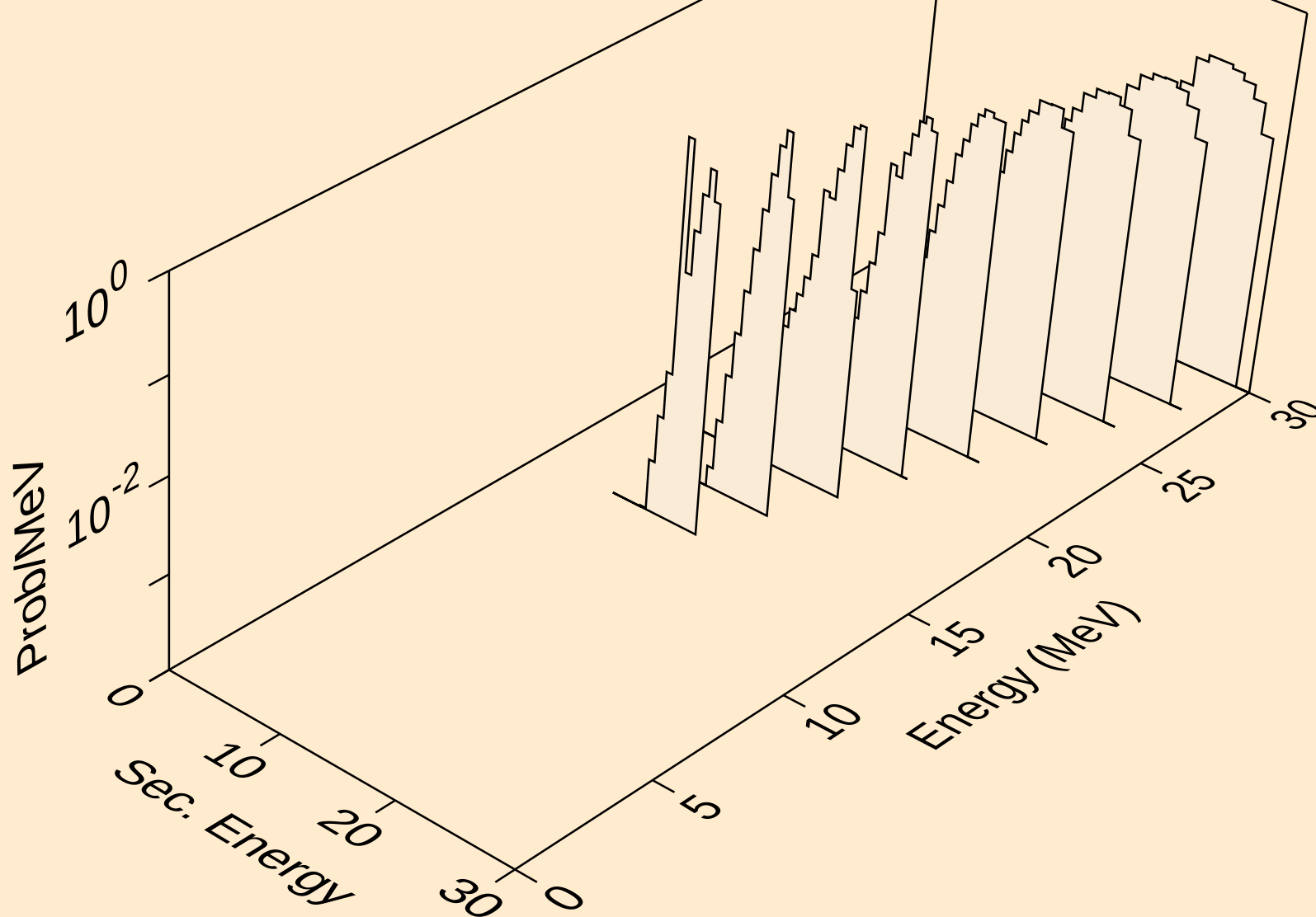
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Alpha emission for (a,2n)a



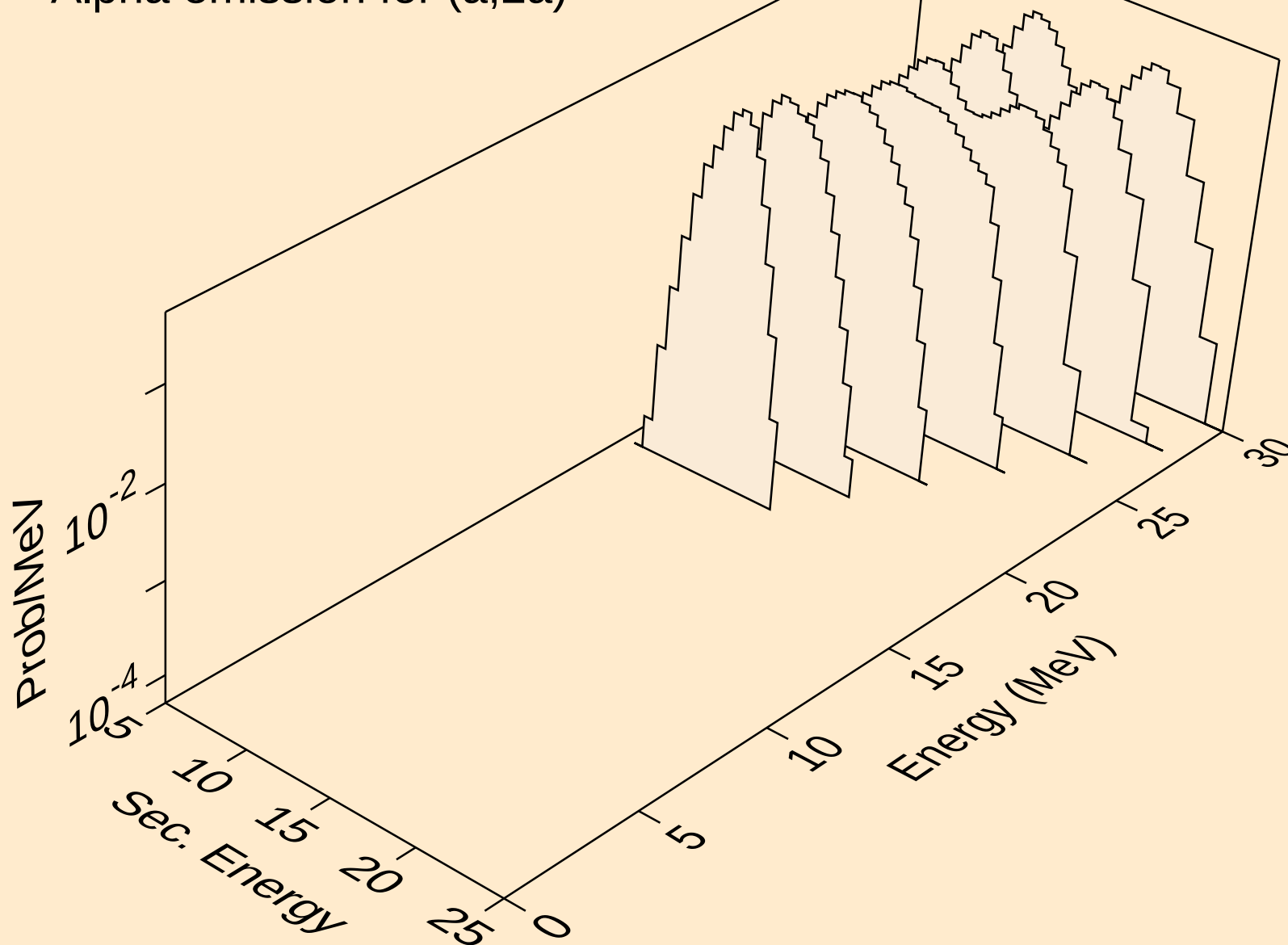
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for inelastic



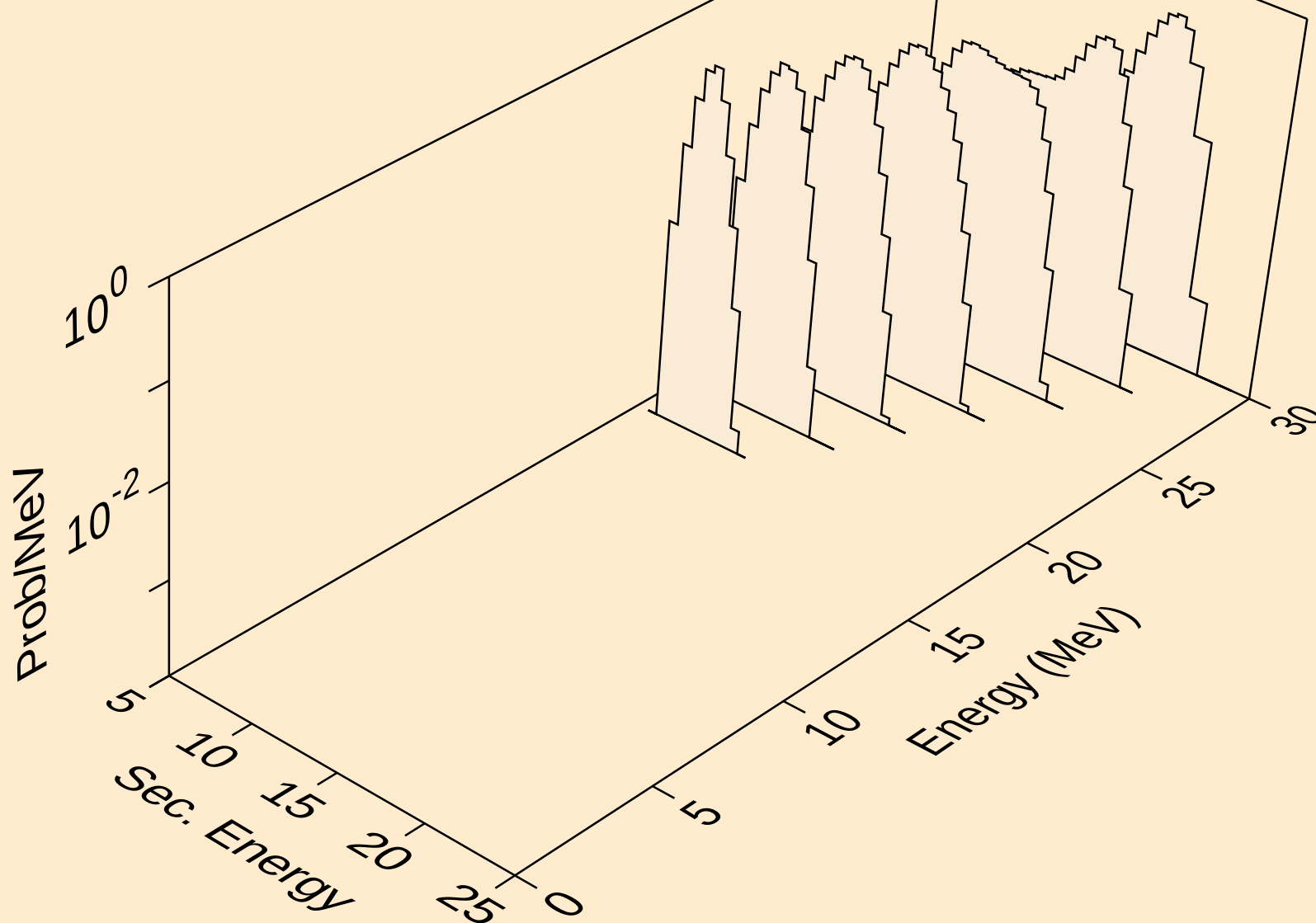
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Alpha emission for (a,2a)

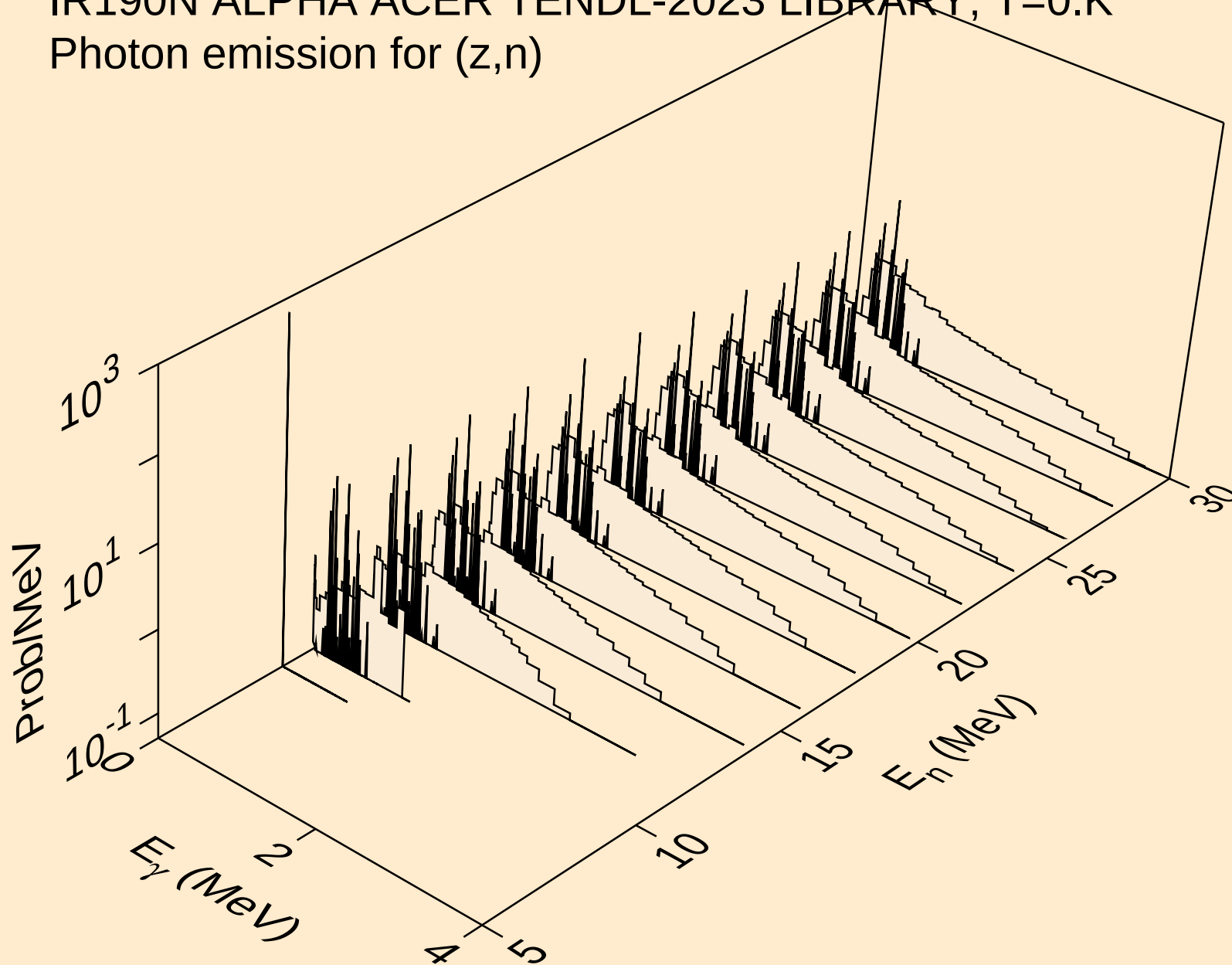


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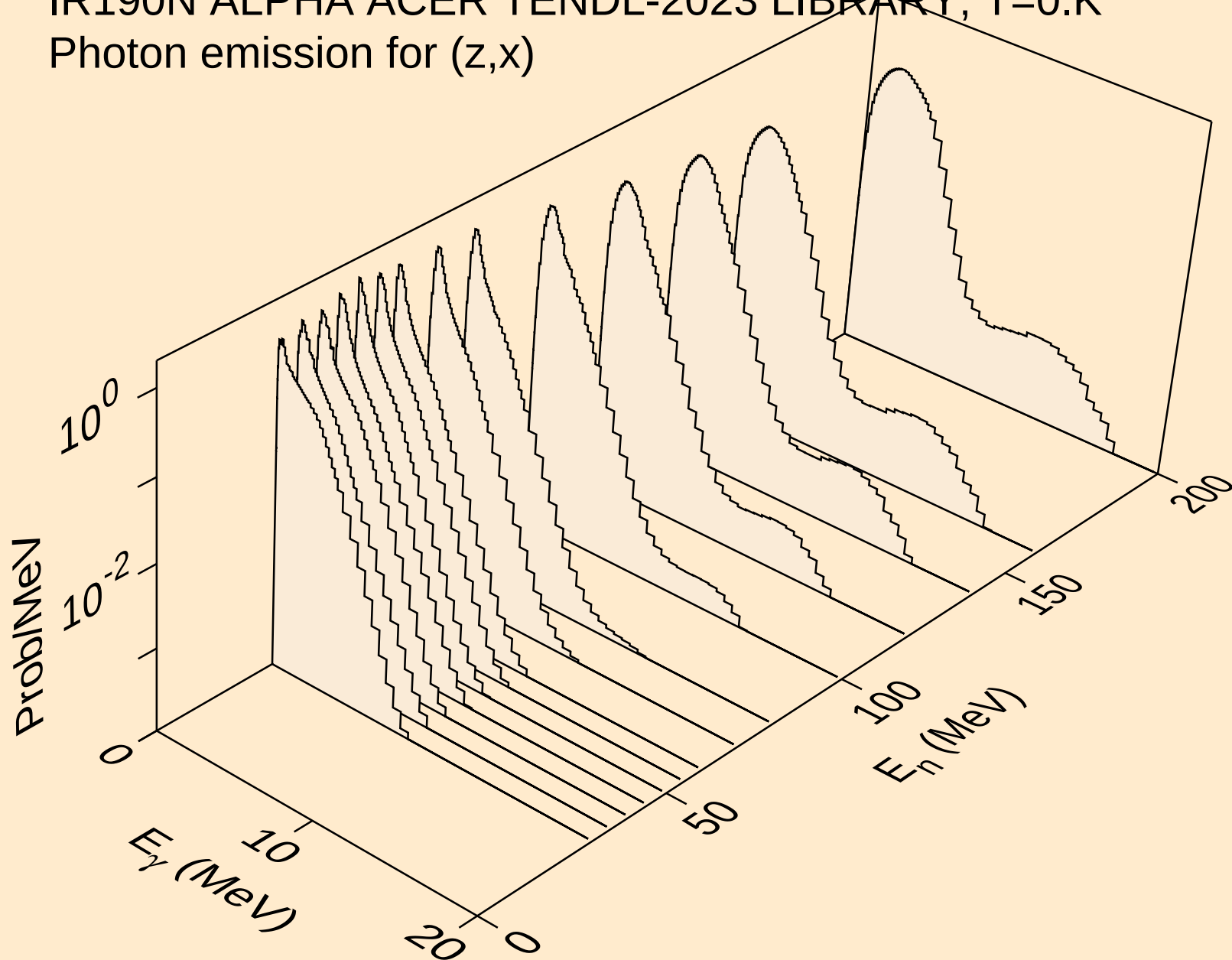
Alpha emission for (a,pa)



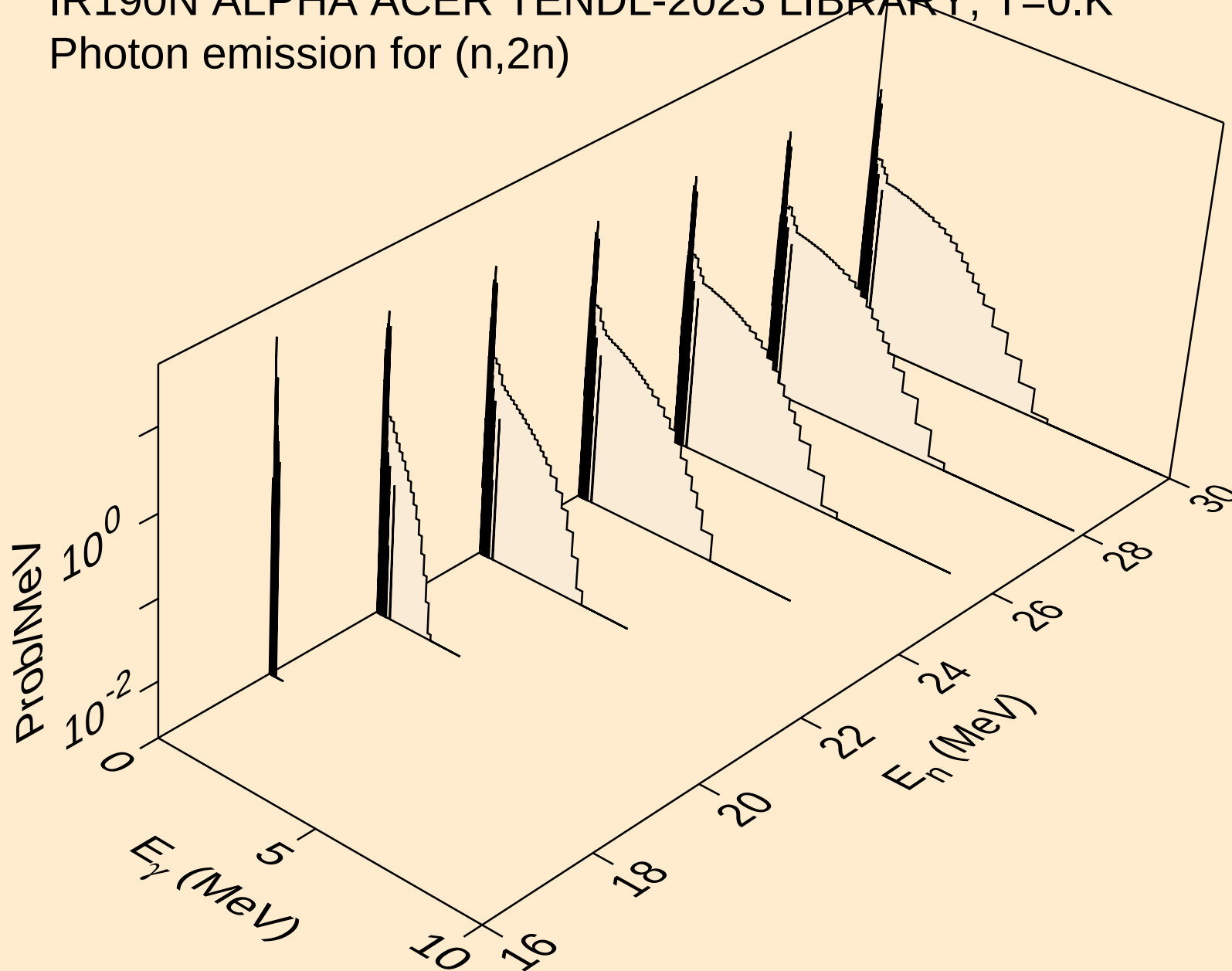
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)



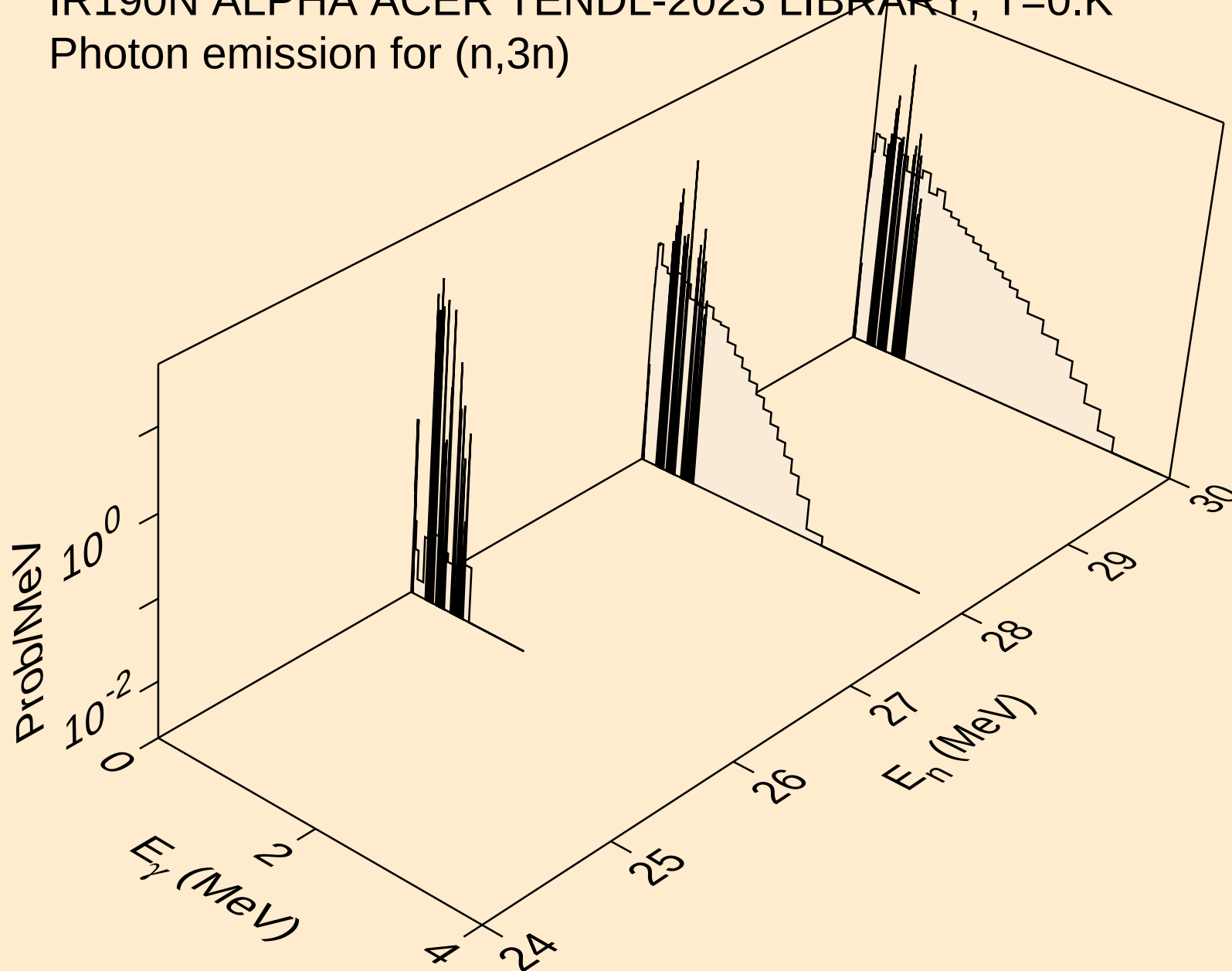
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

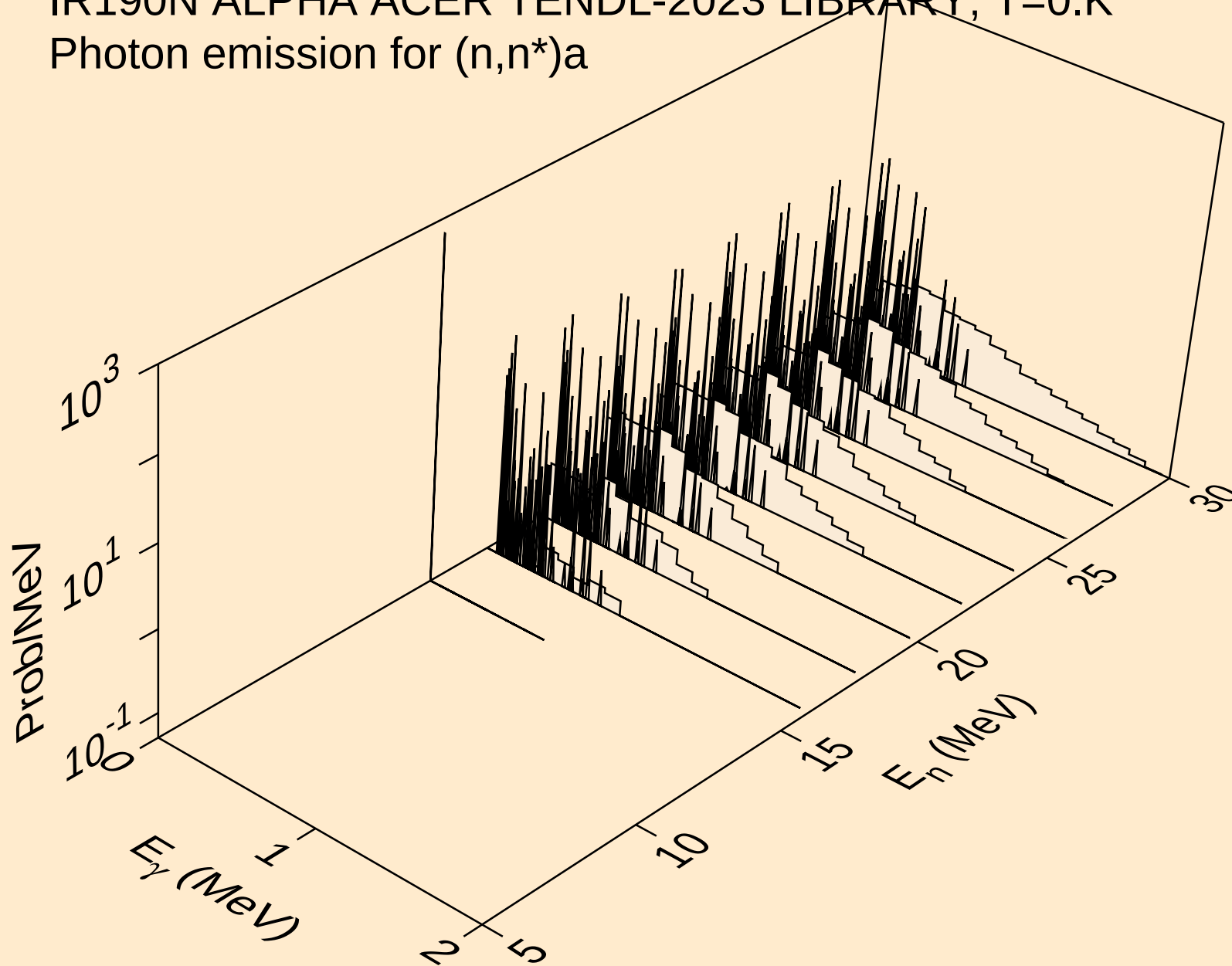


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



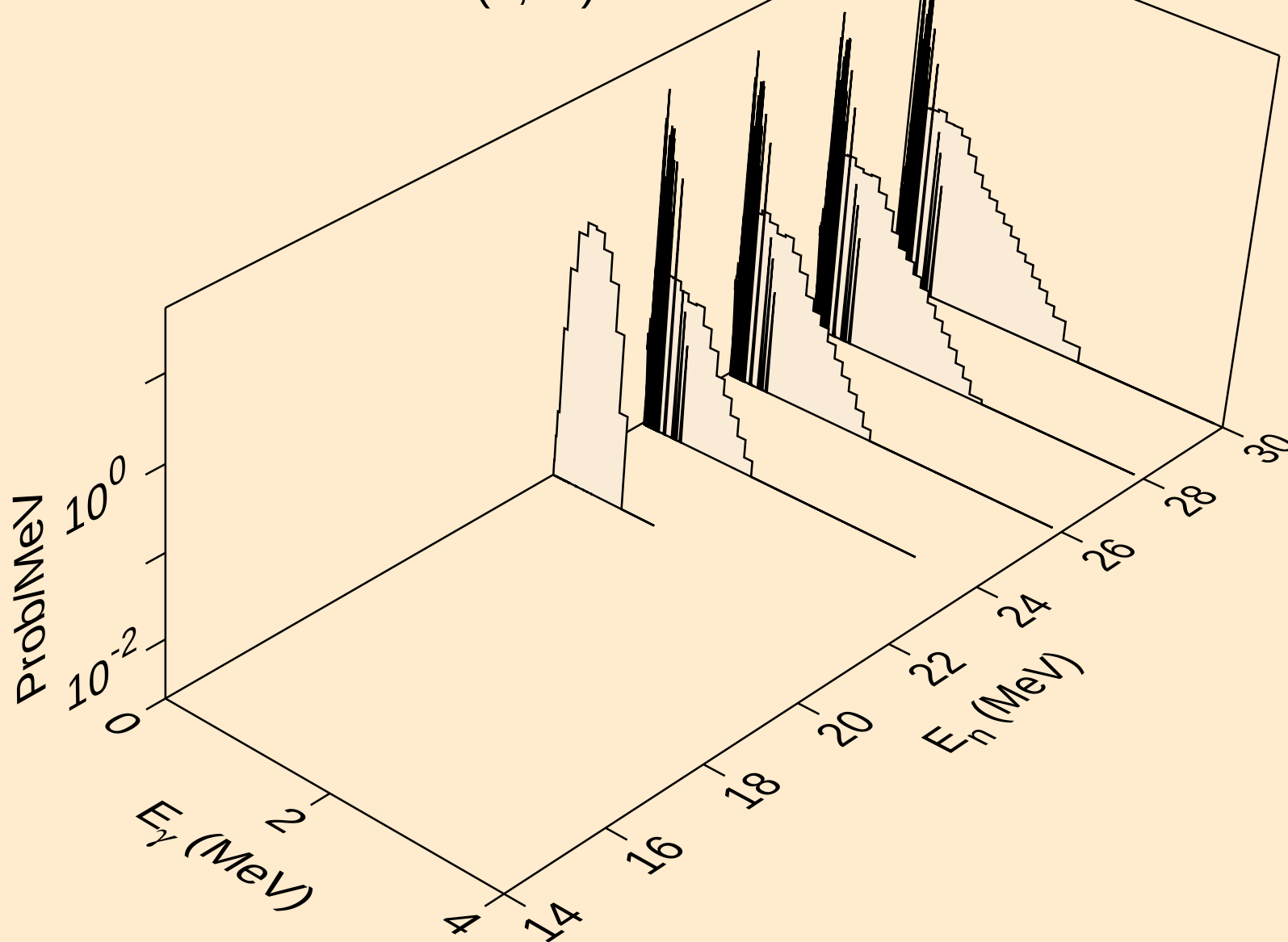
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a

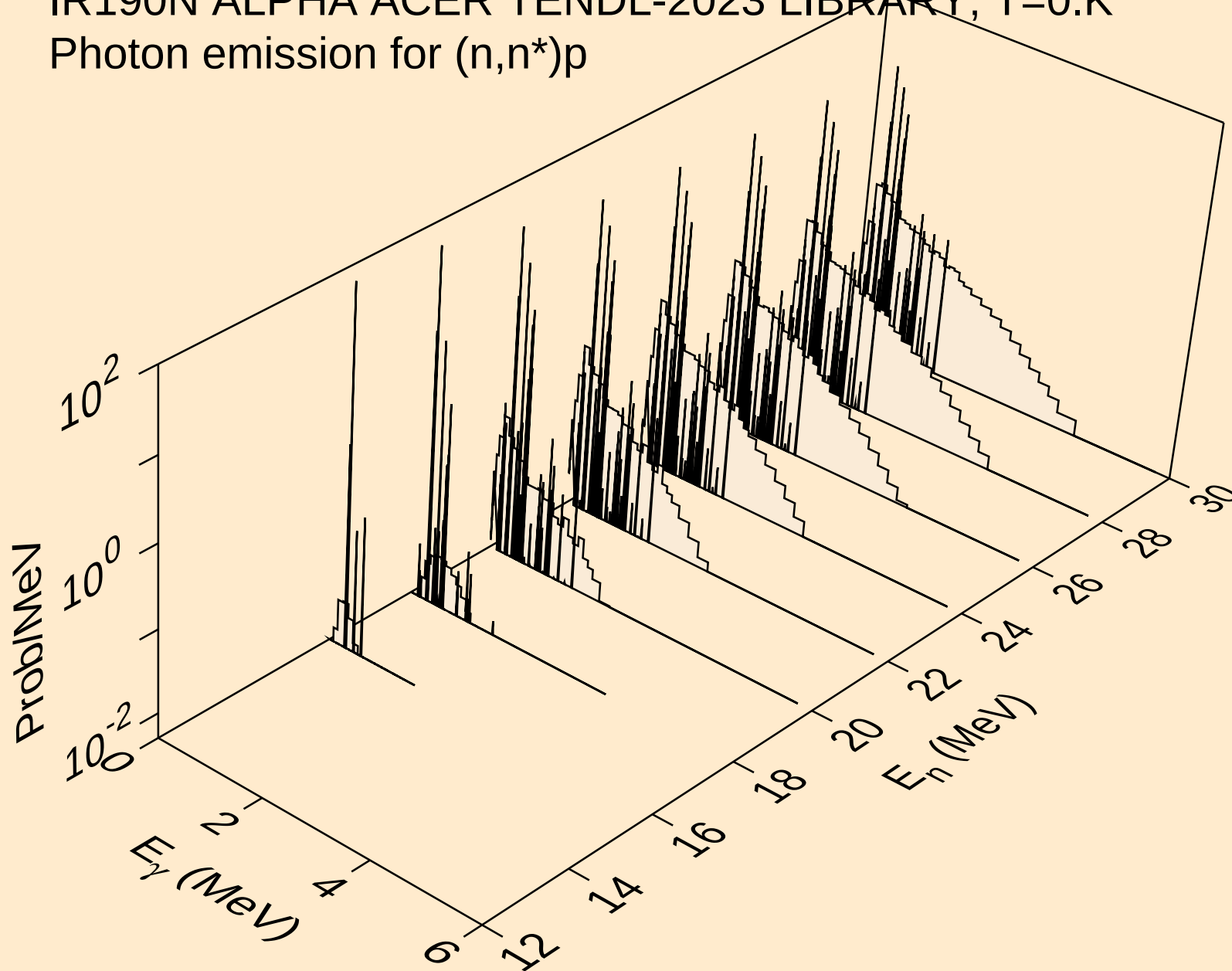


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

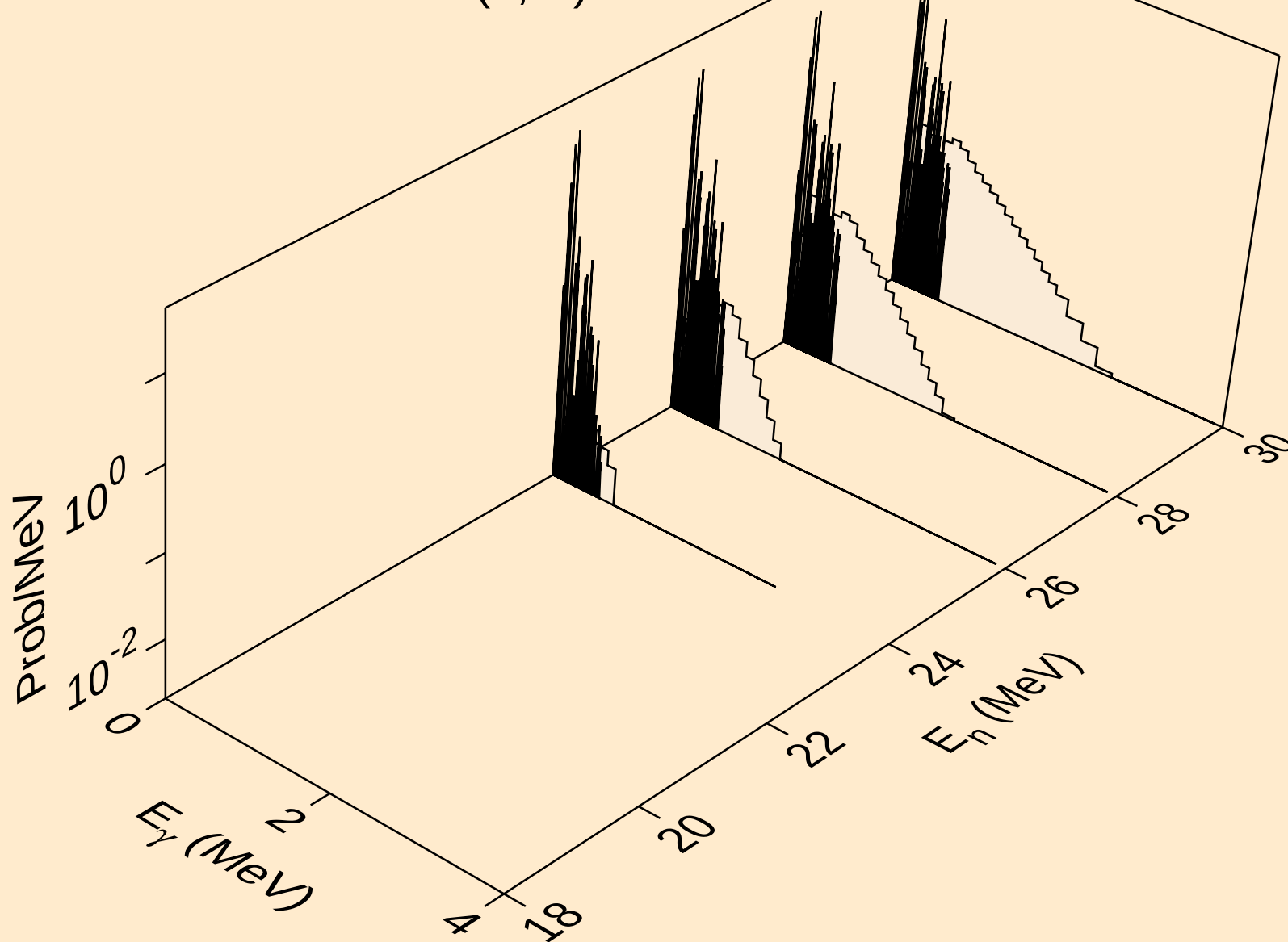
Photon emission for (n,2n) α



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p

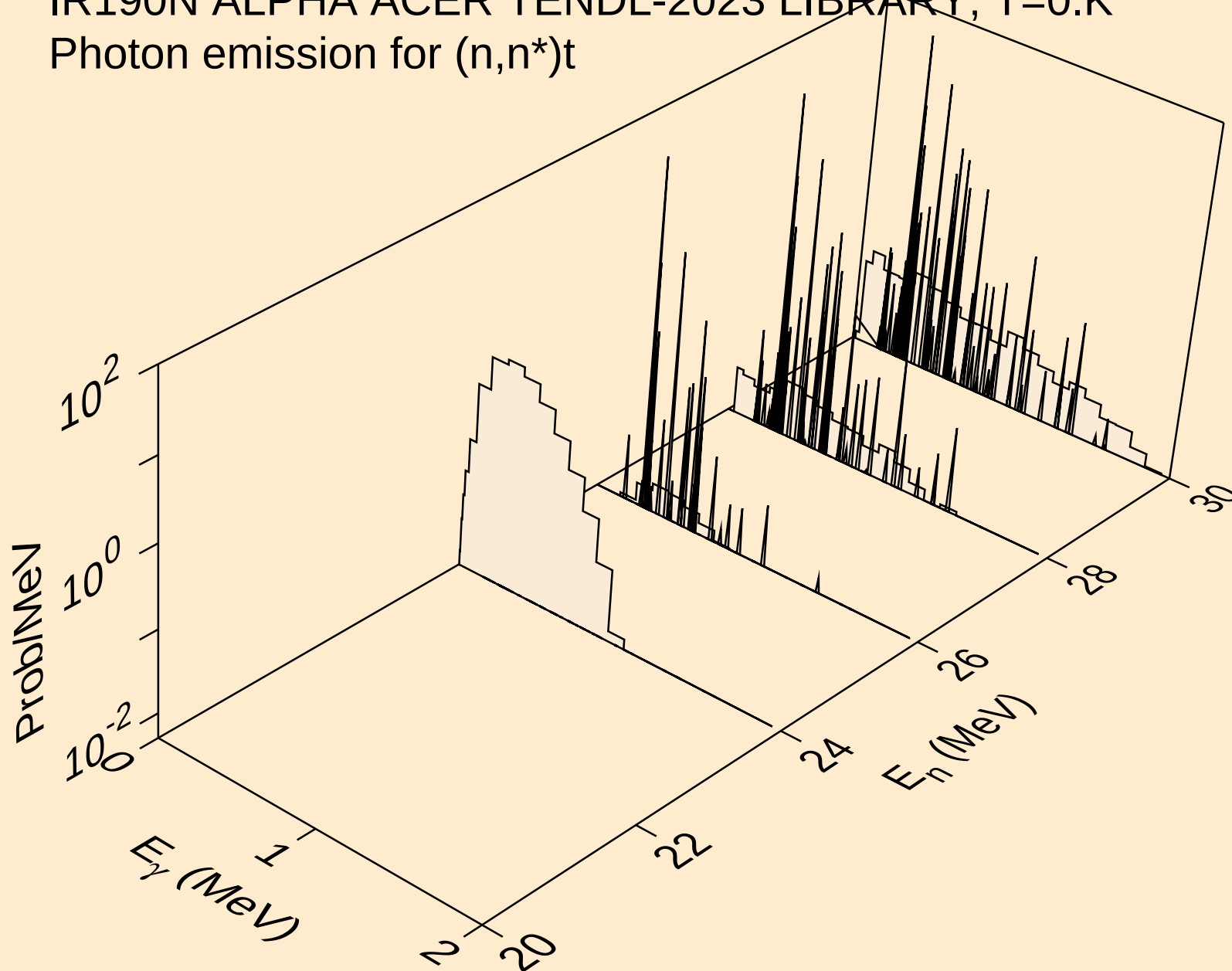


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d

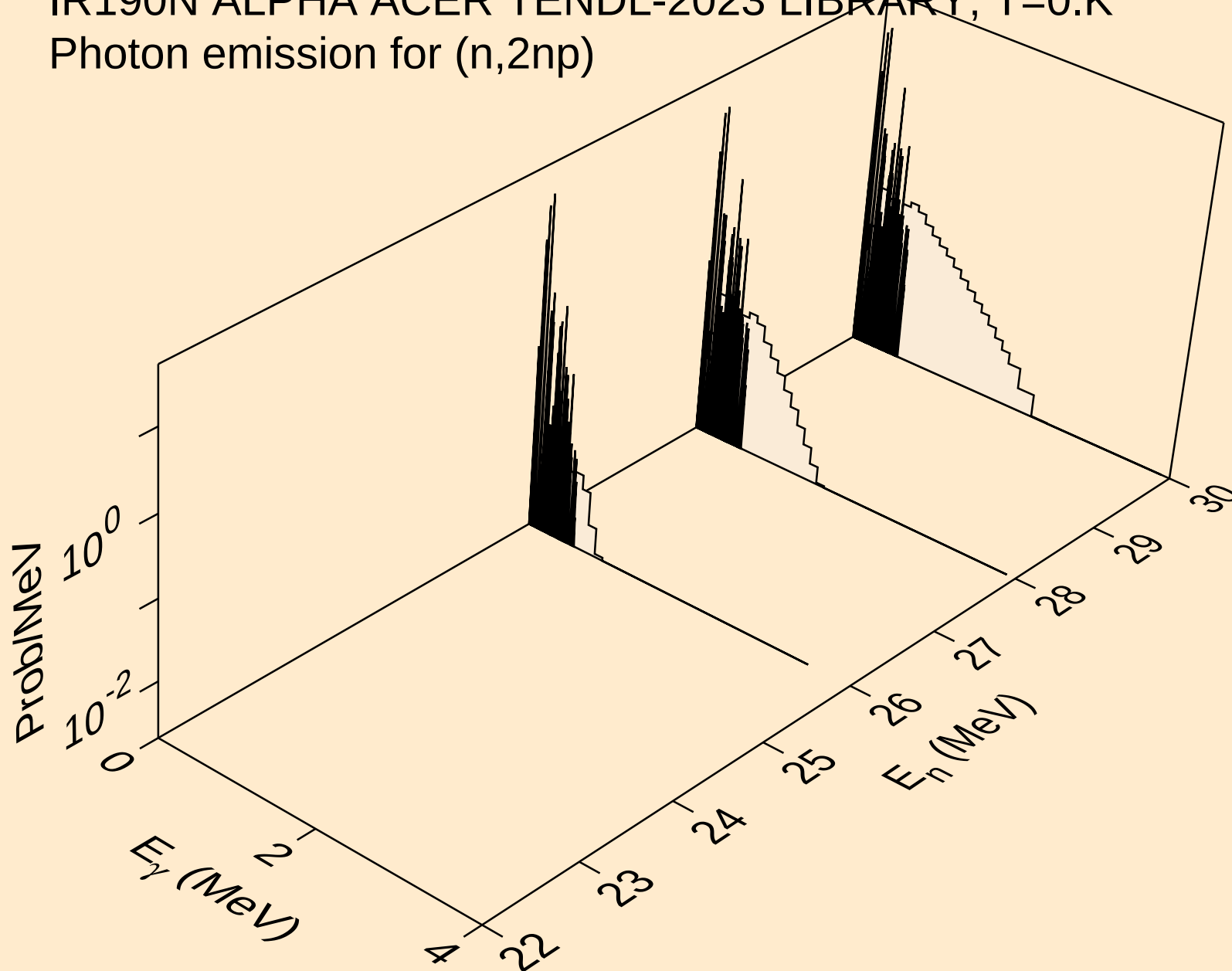


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K

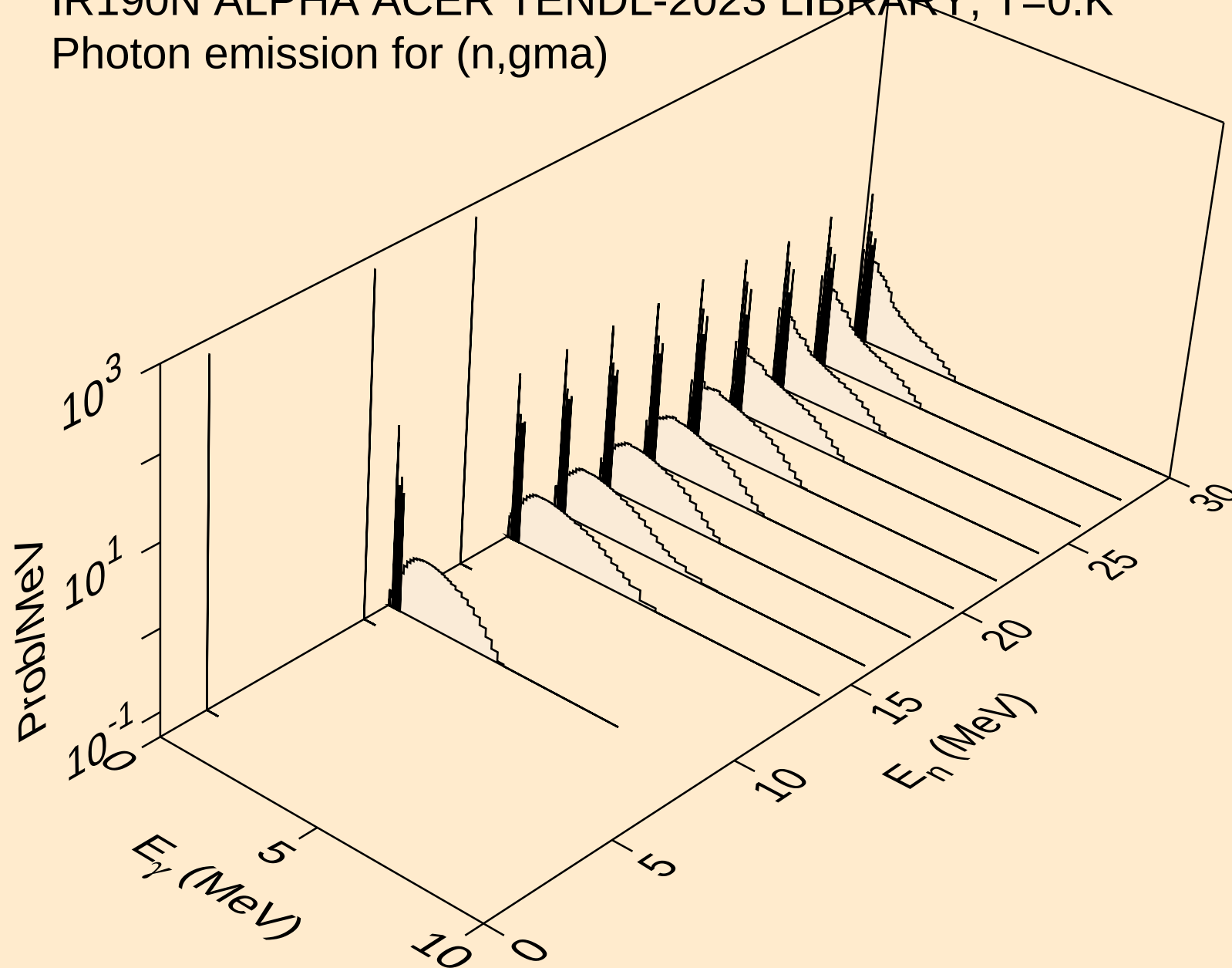
Photon emission for (n,n*)t



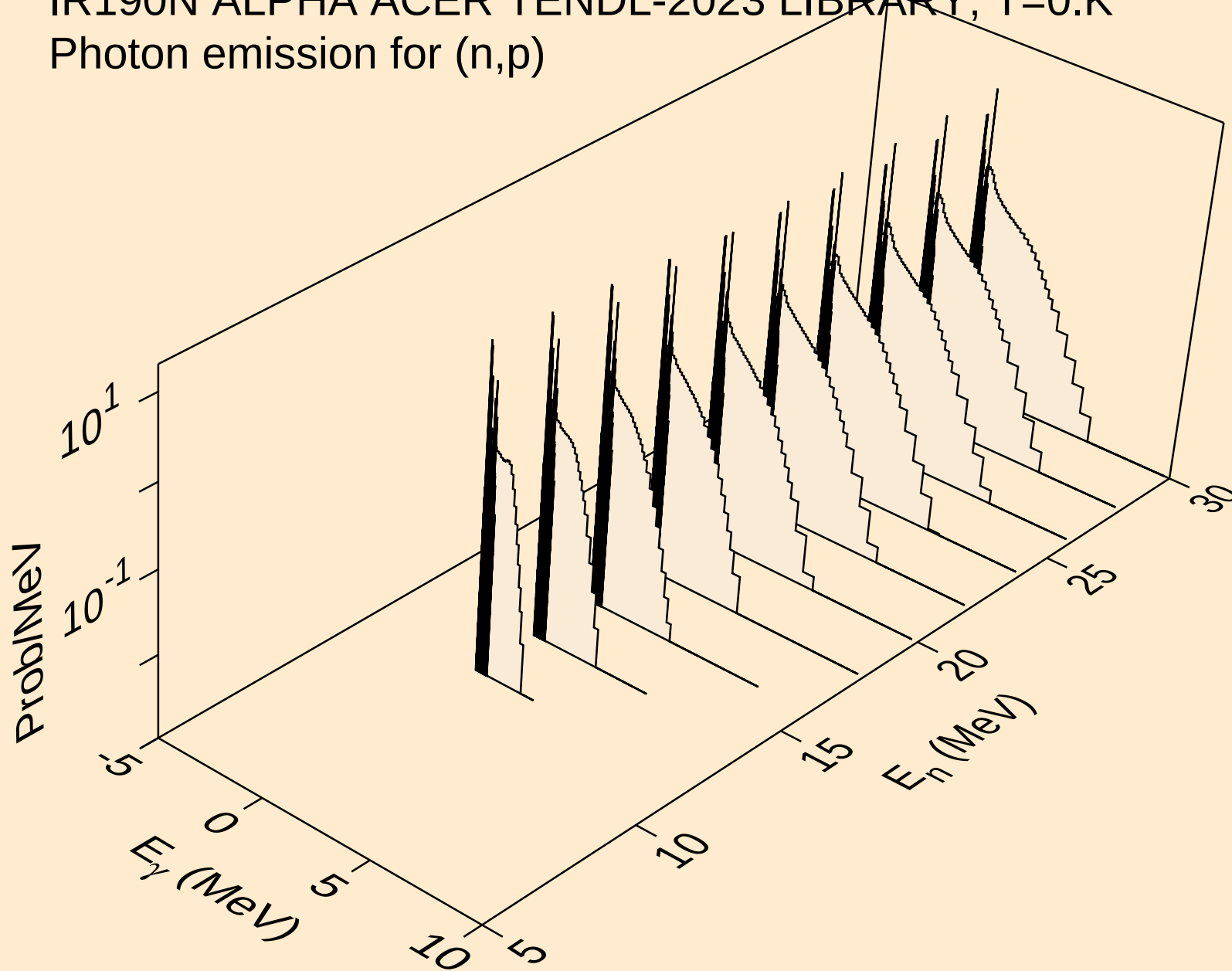
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



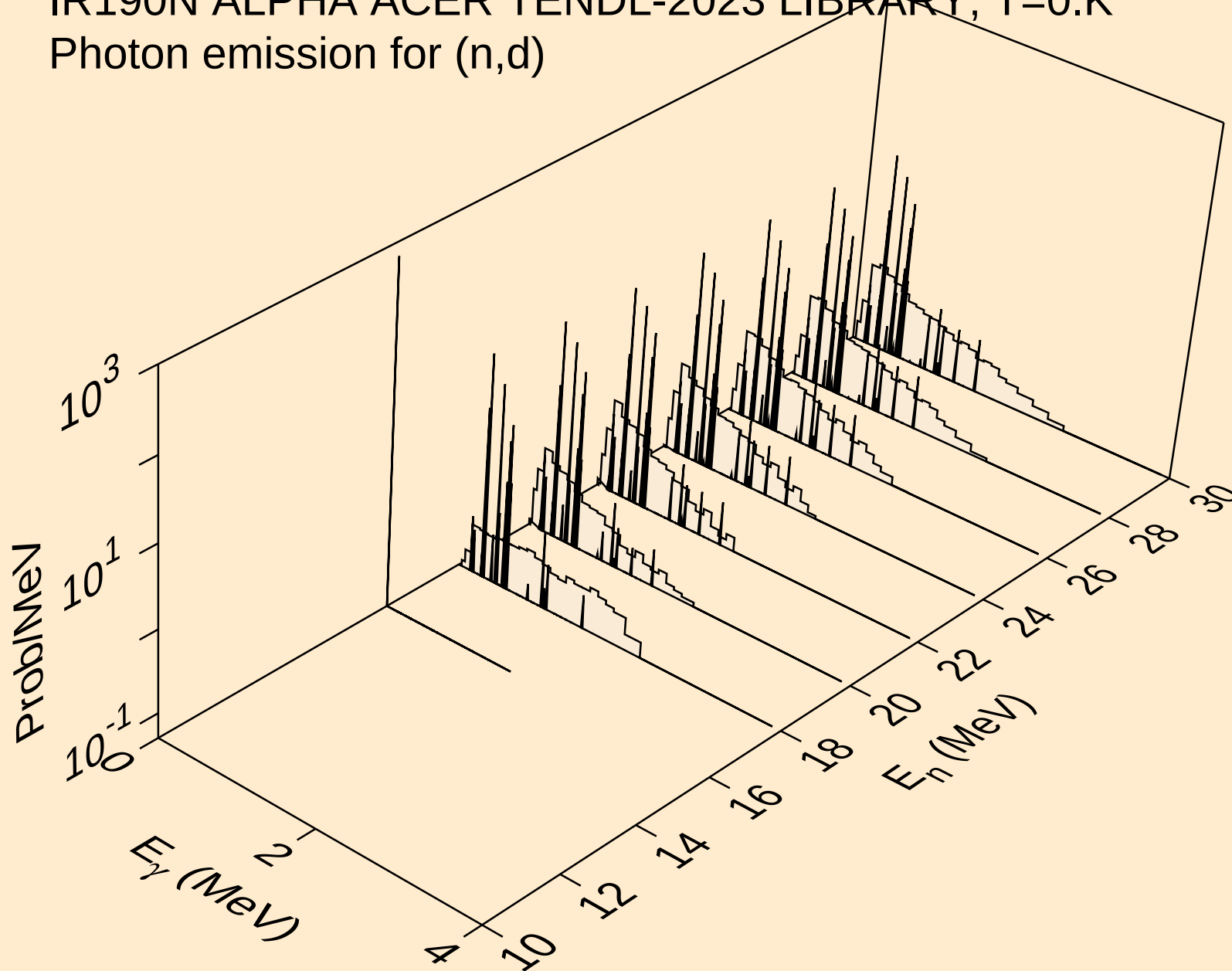
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



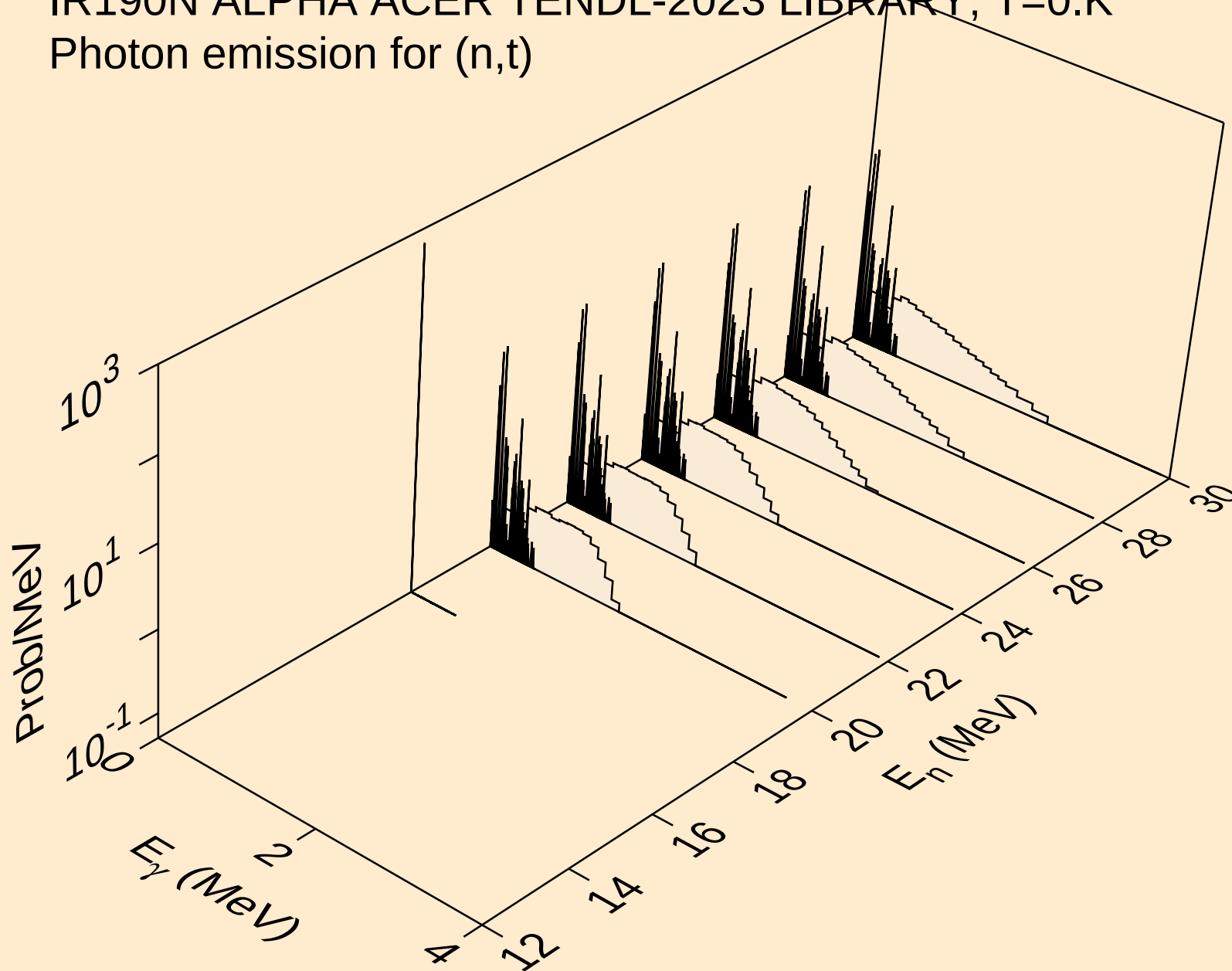
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Photon emission for (n,p)



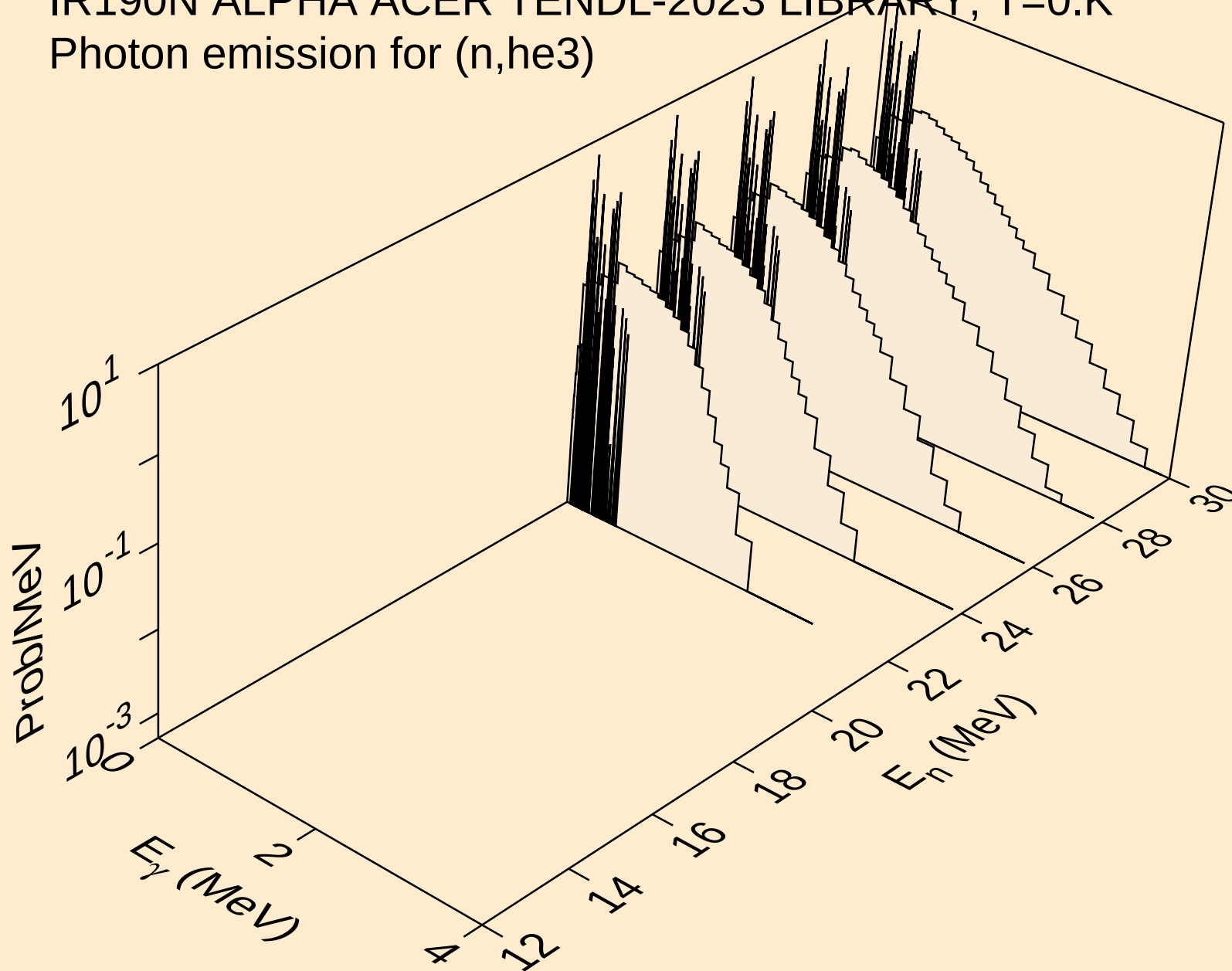
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



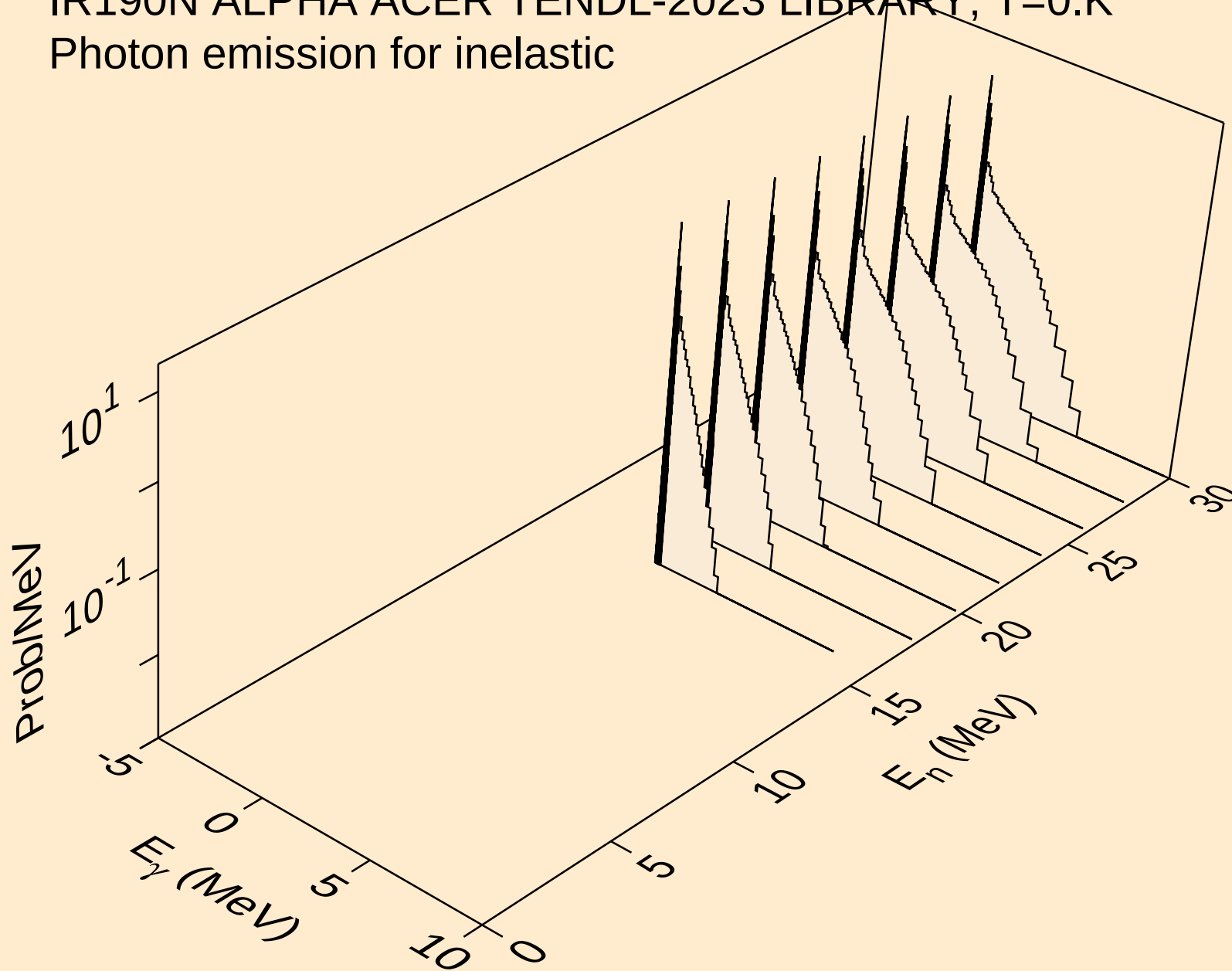
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



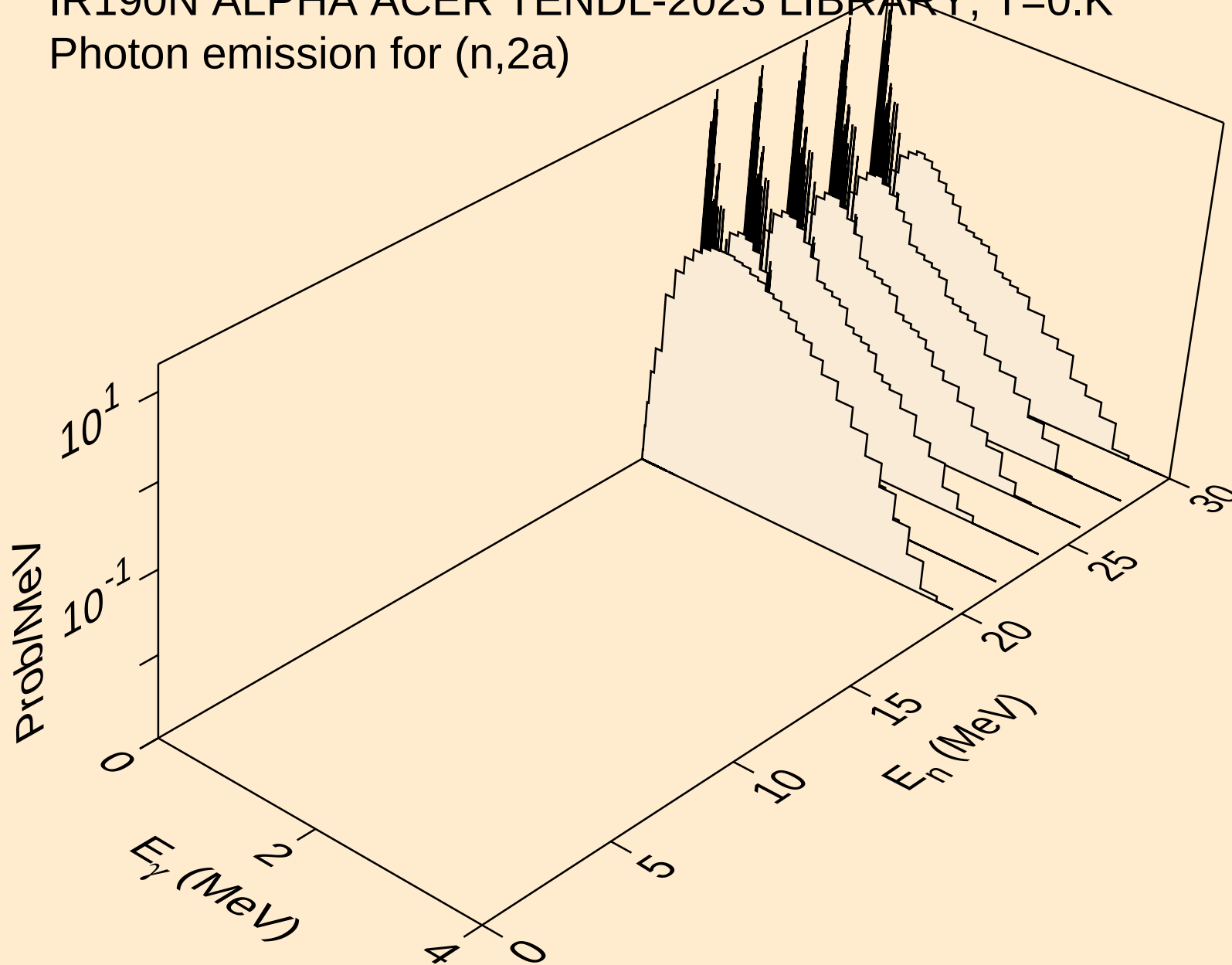
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



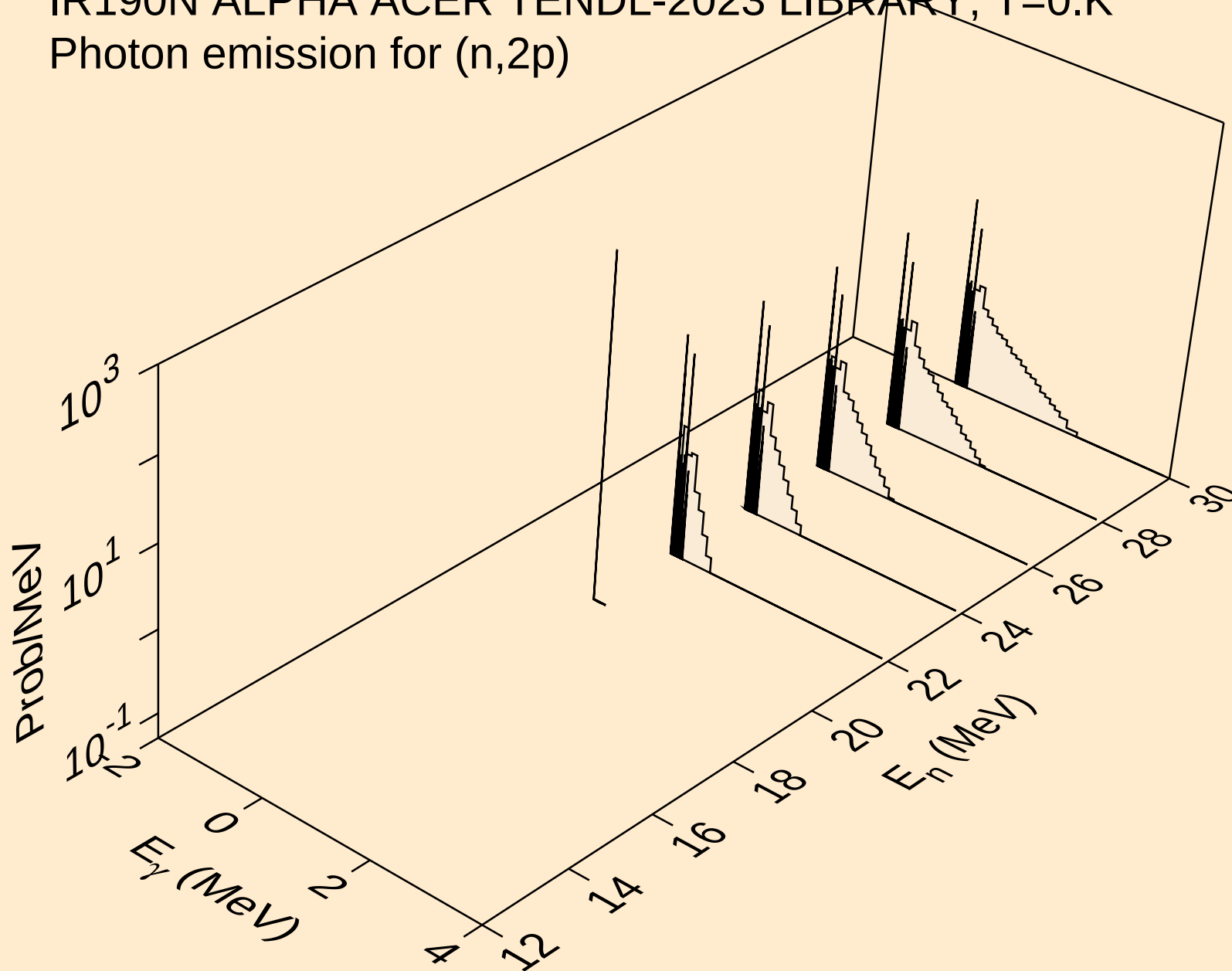
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



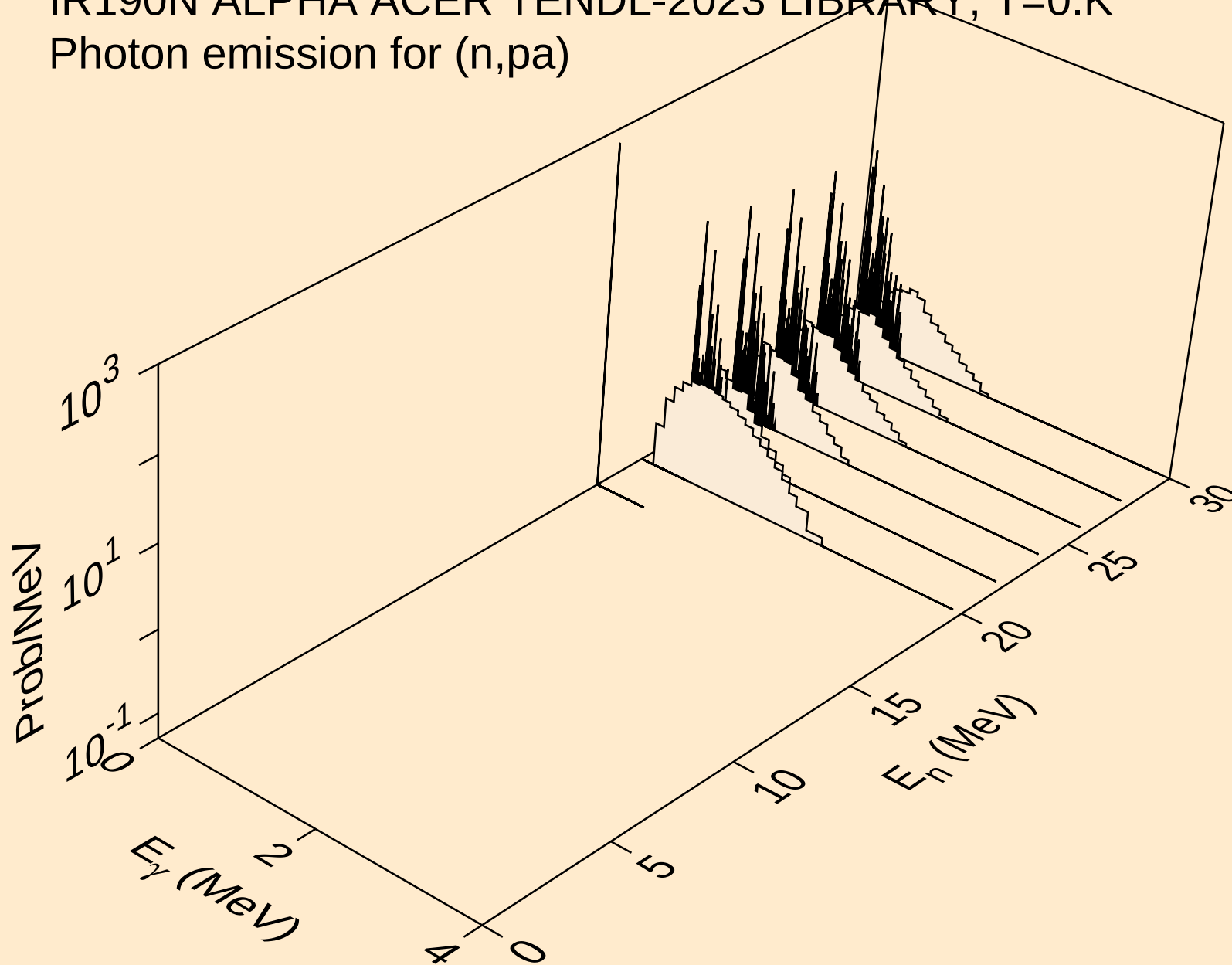
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)

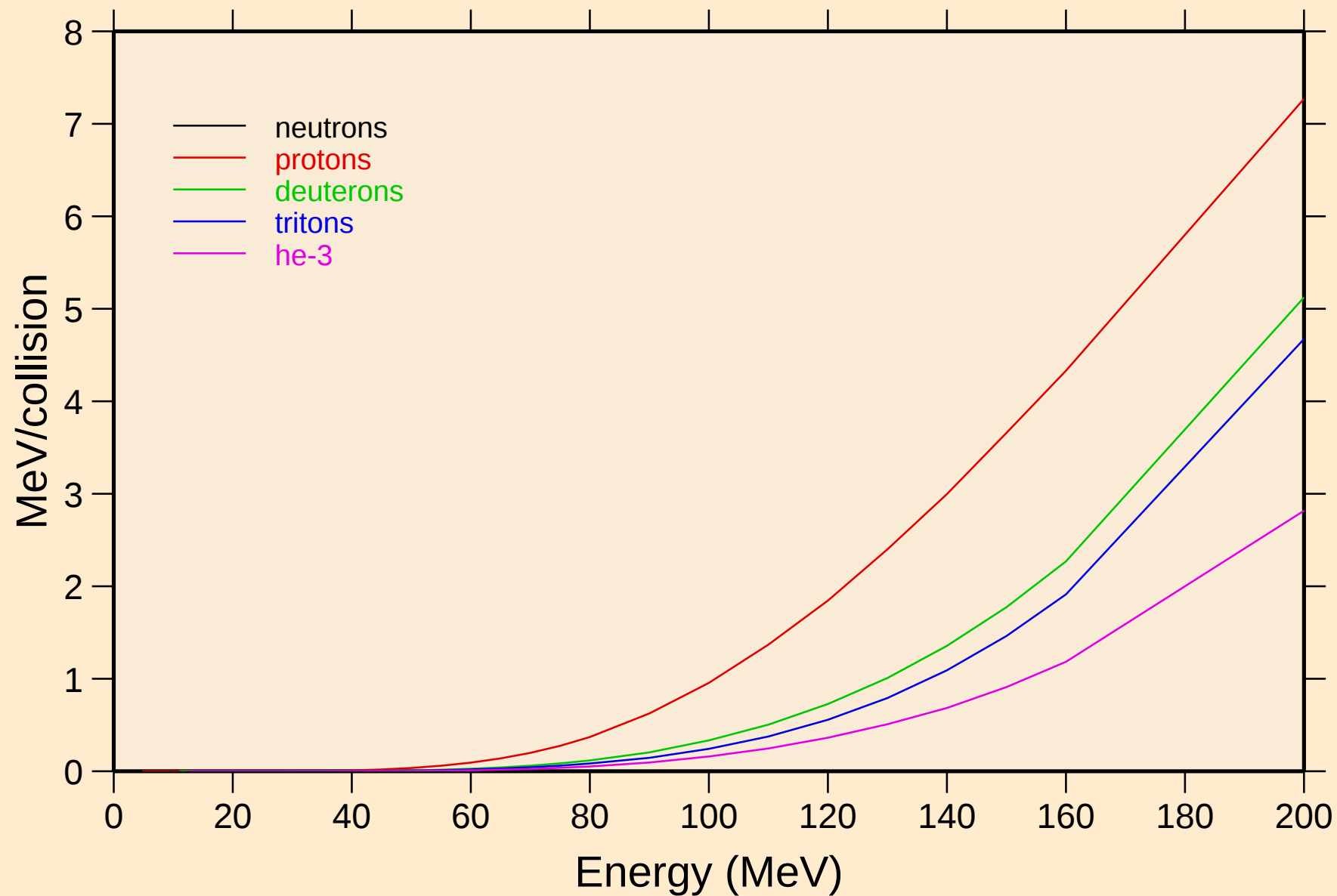


IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)



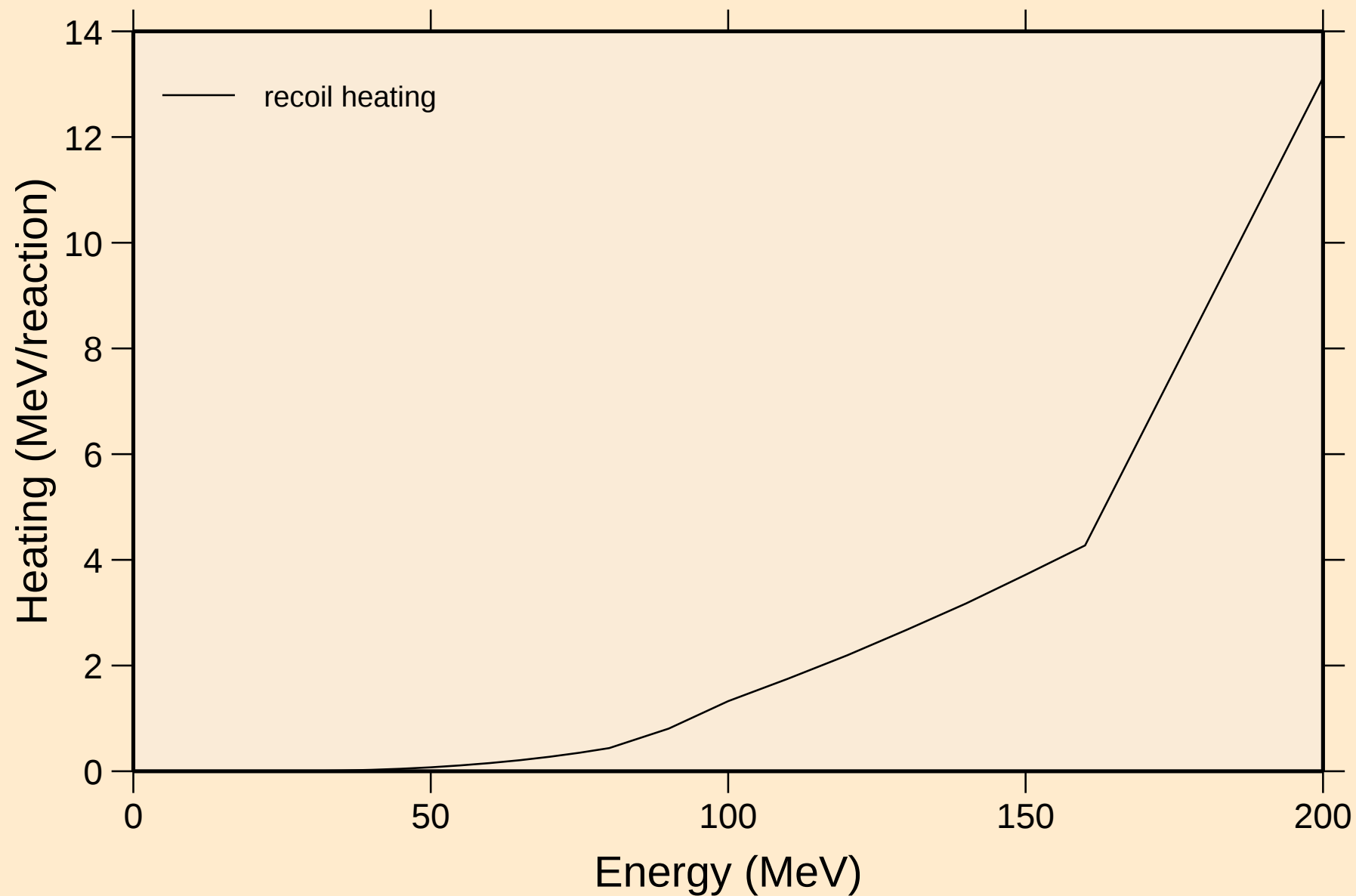
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Particle heating contributions



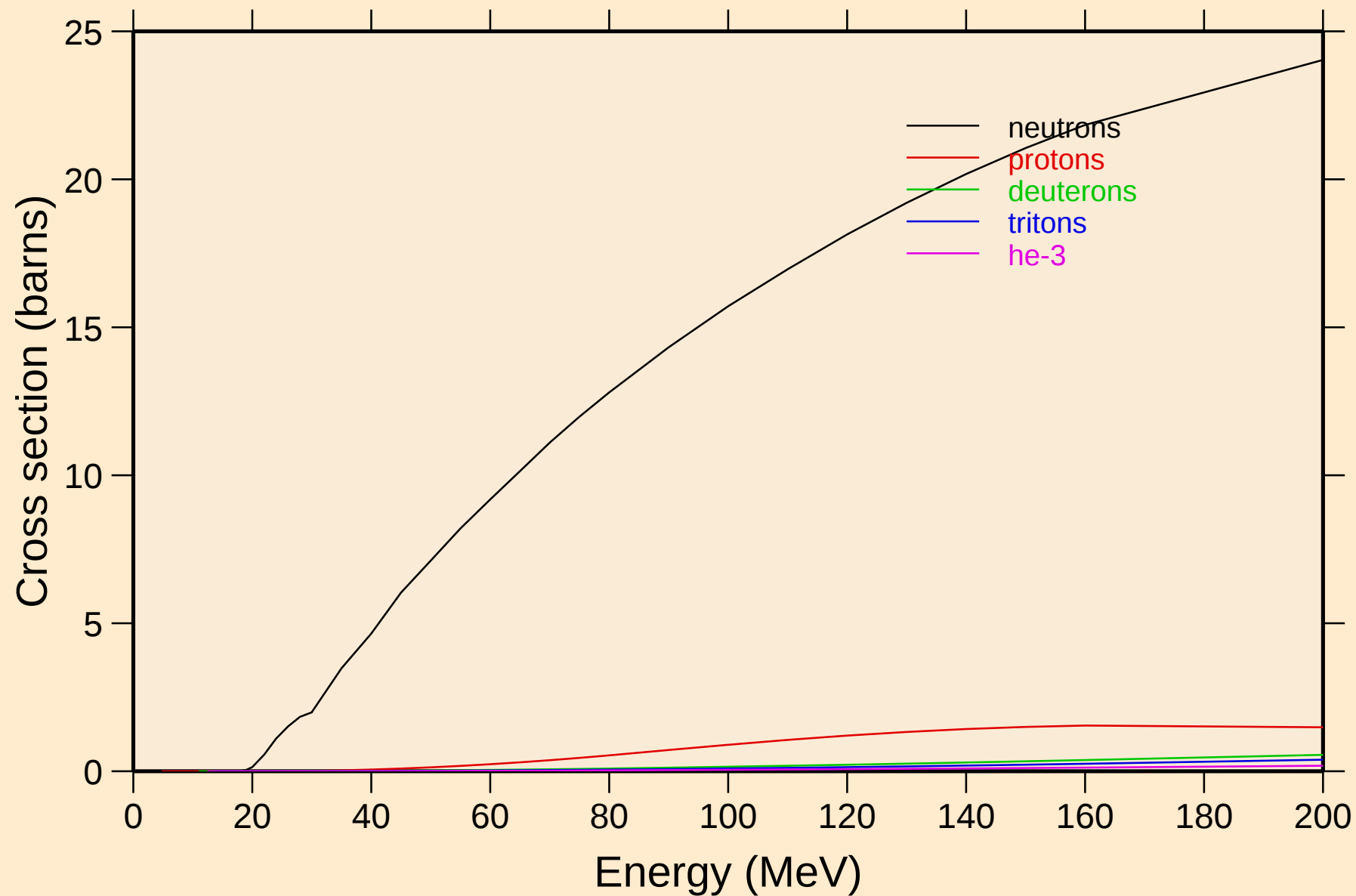
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Recoil Heating

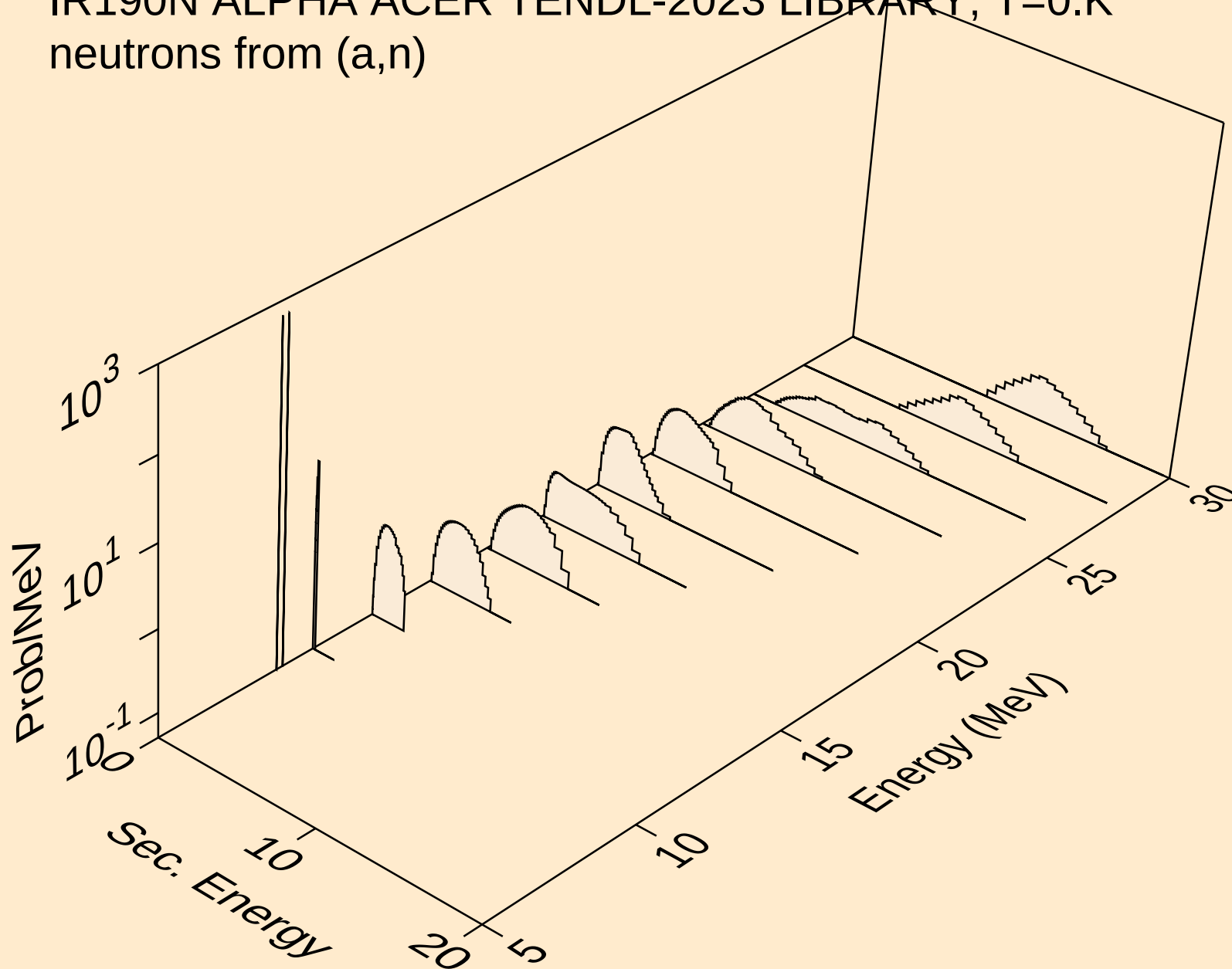


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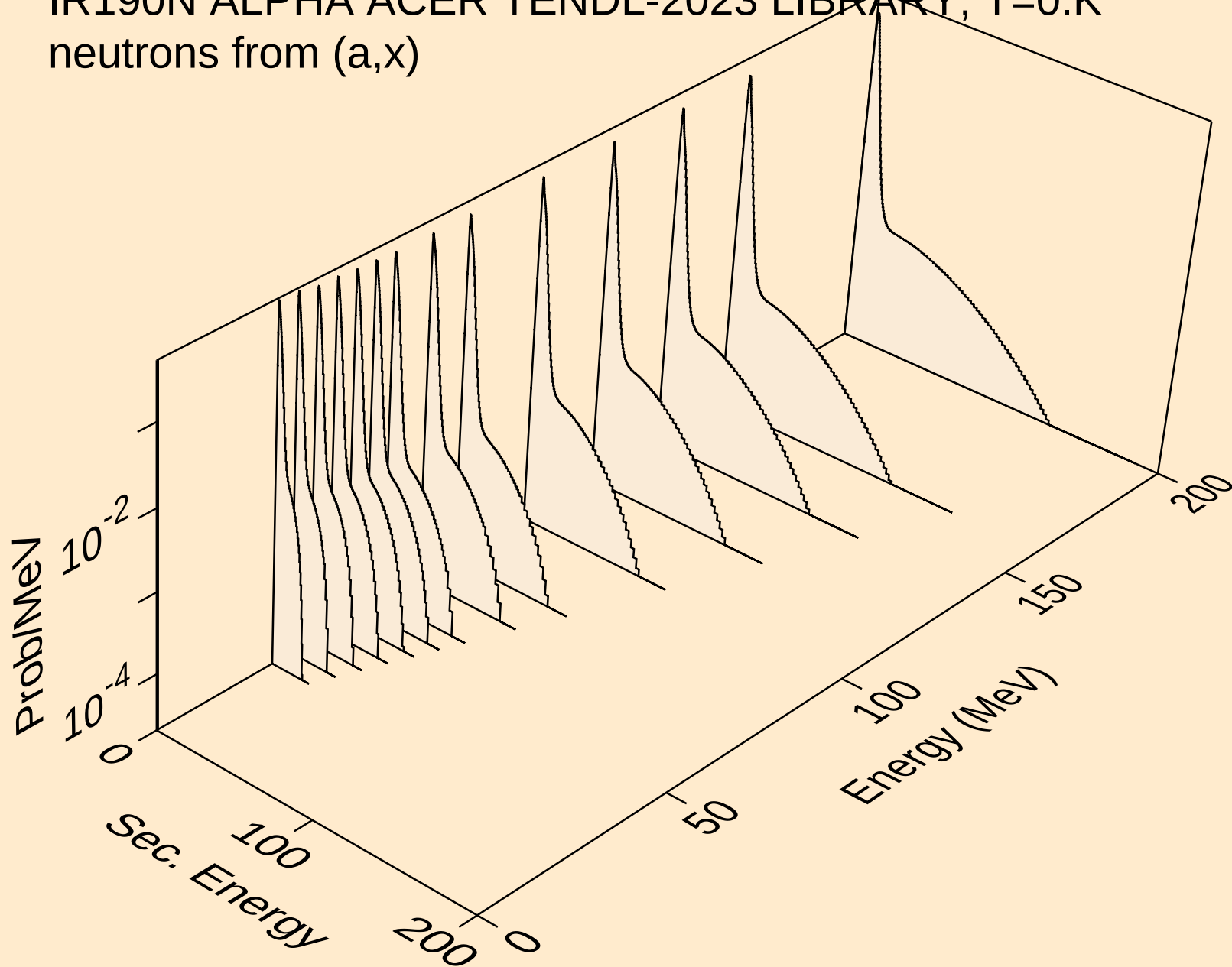
Particle production cross sections



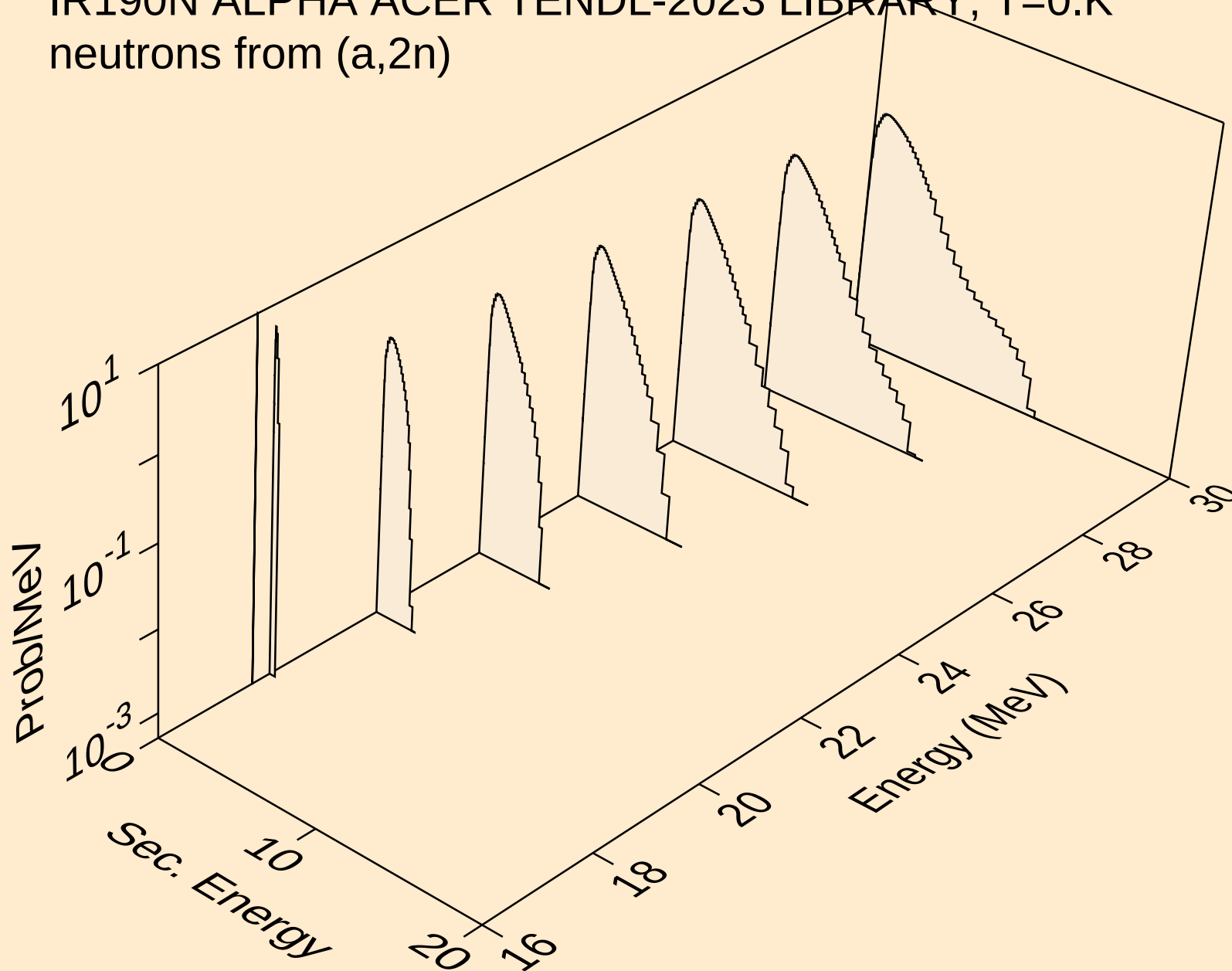
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



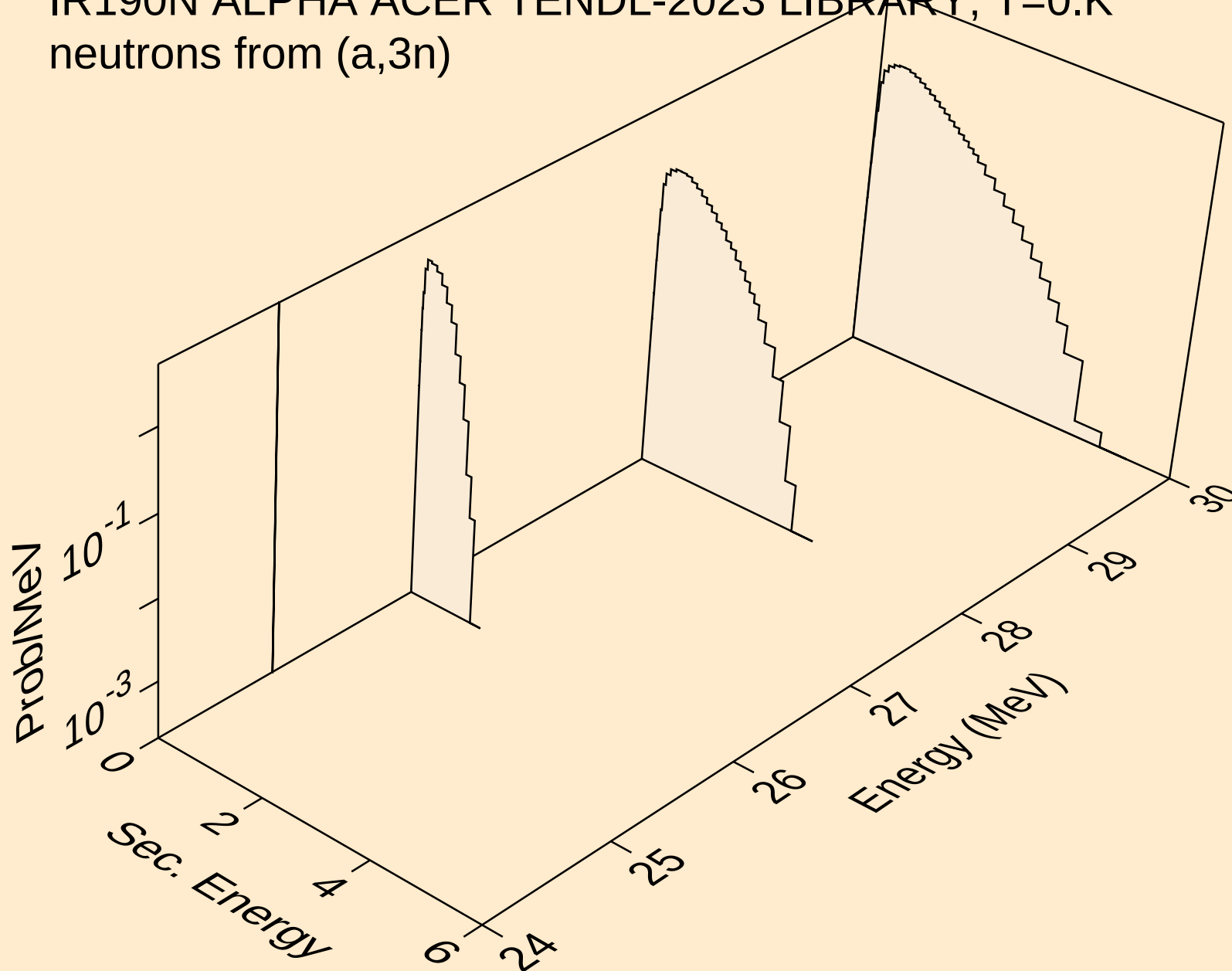
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



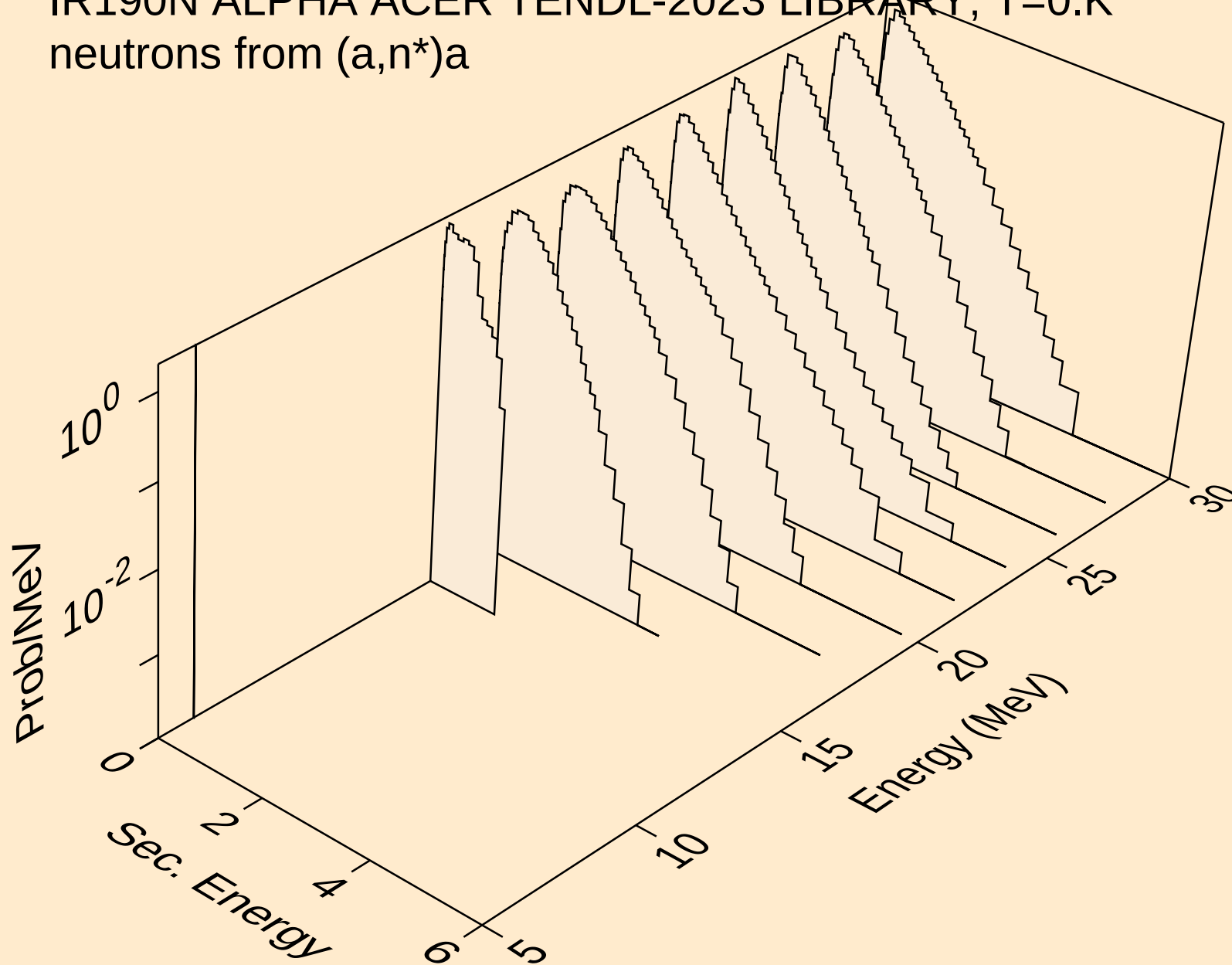
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)



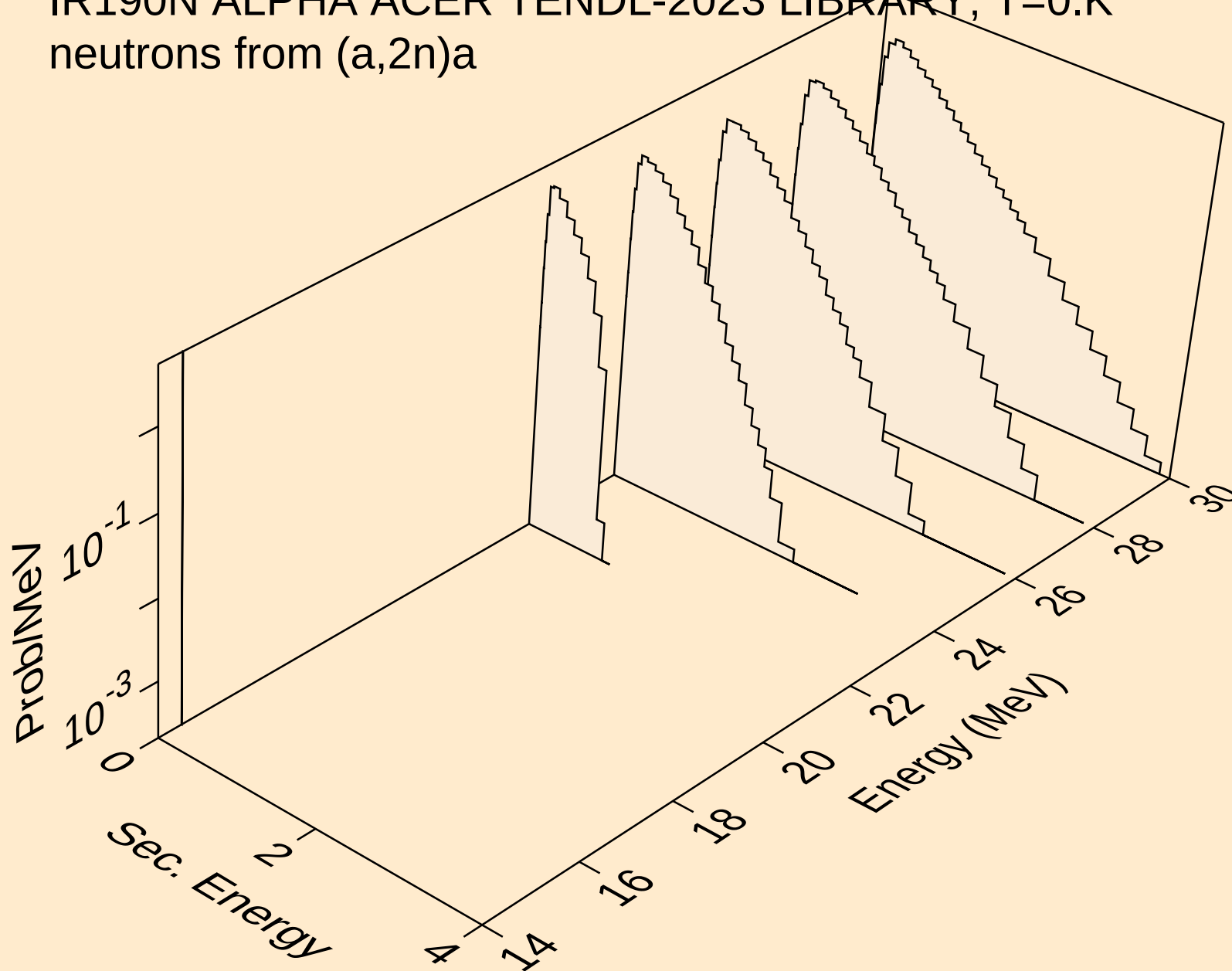
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,3n)



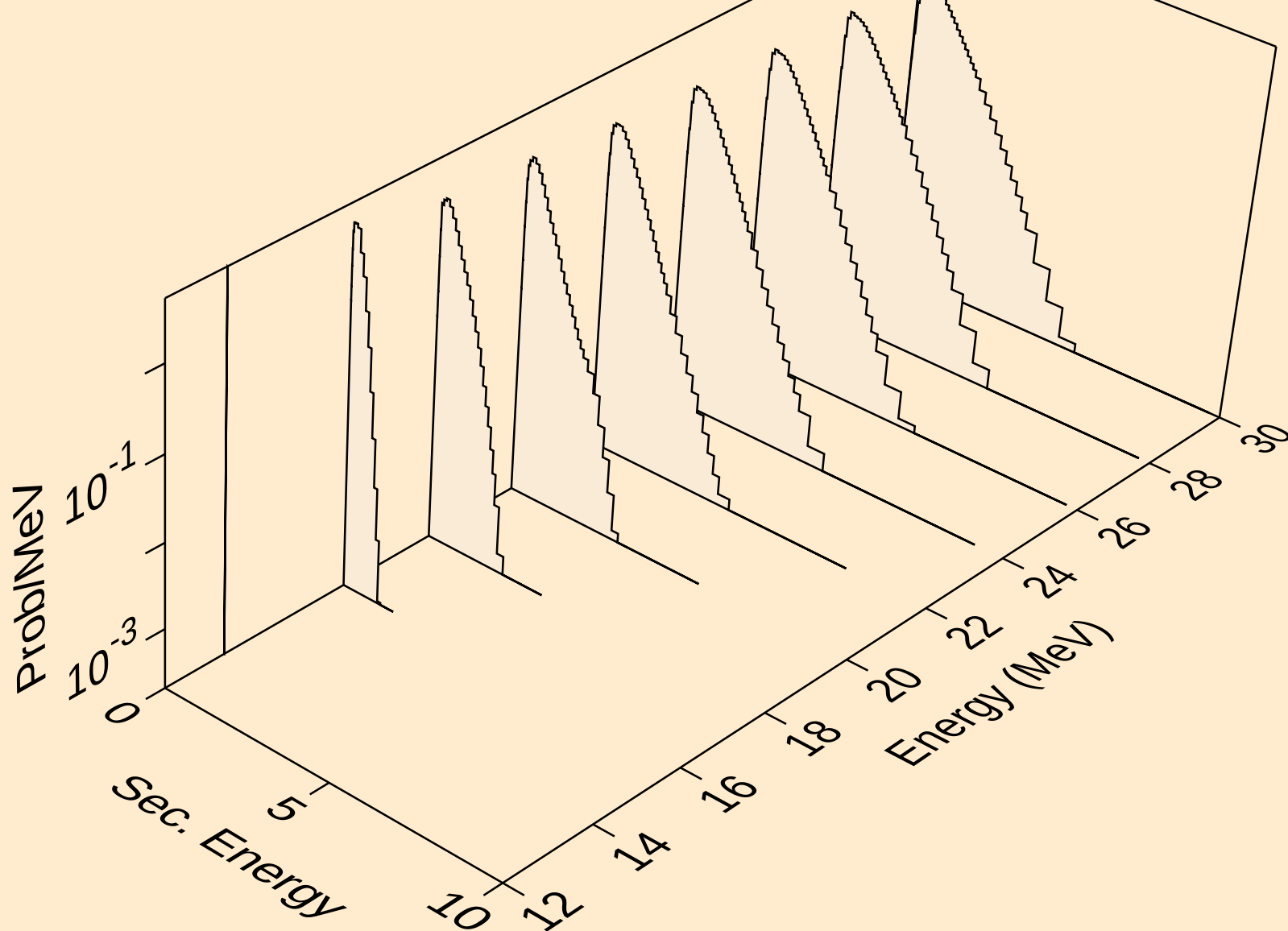
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



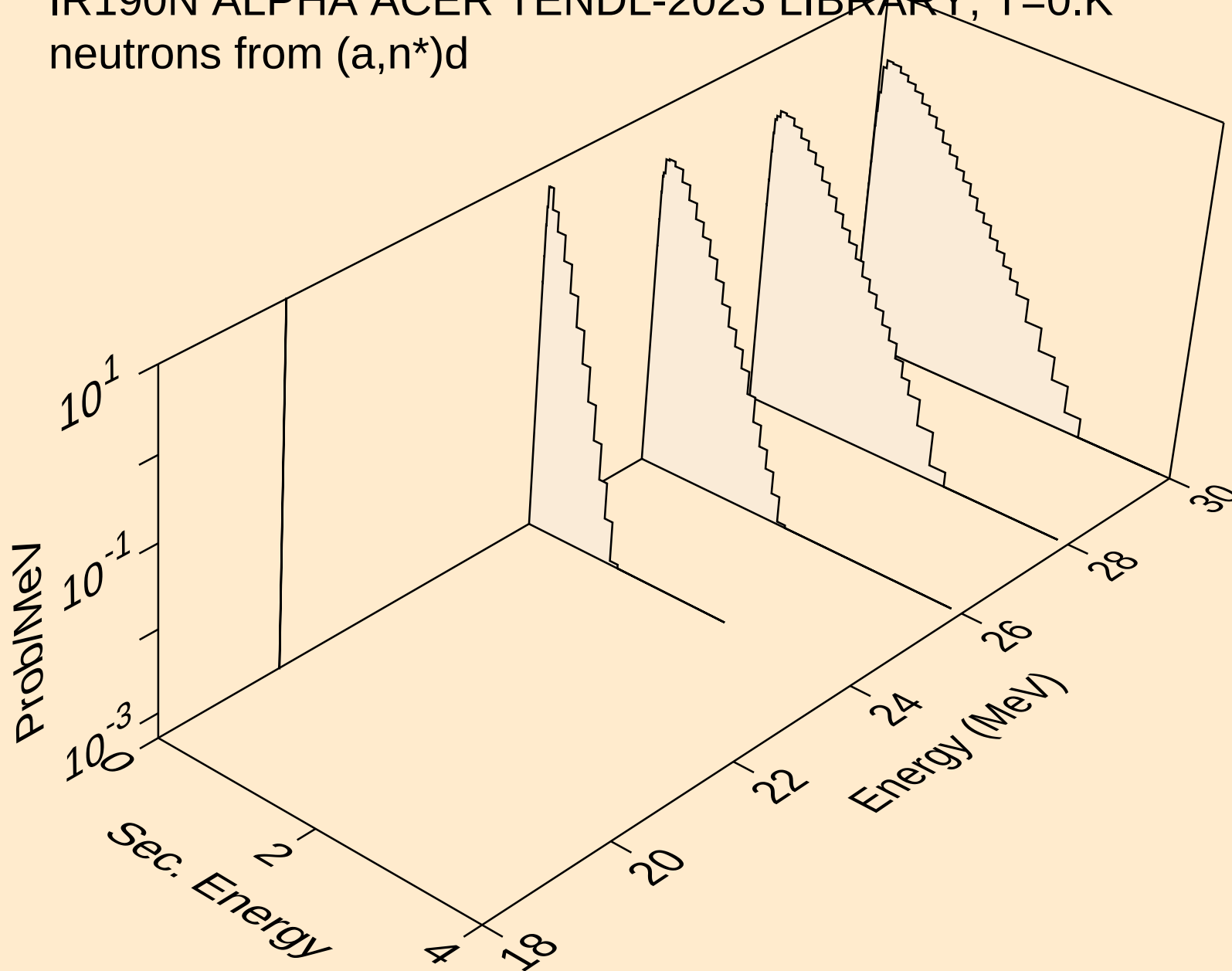
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neutrons from (a,2n)a



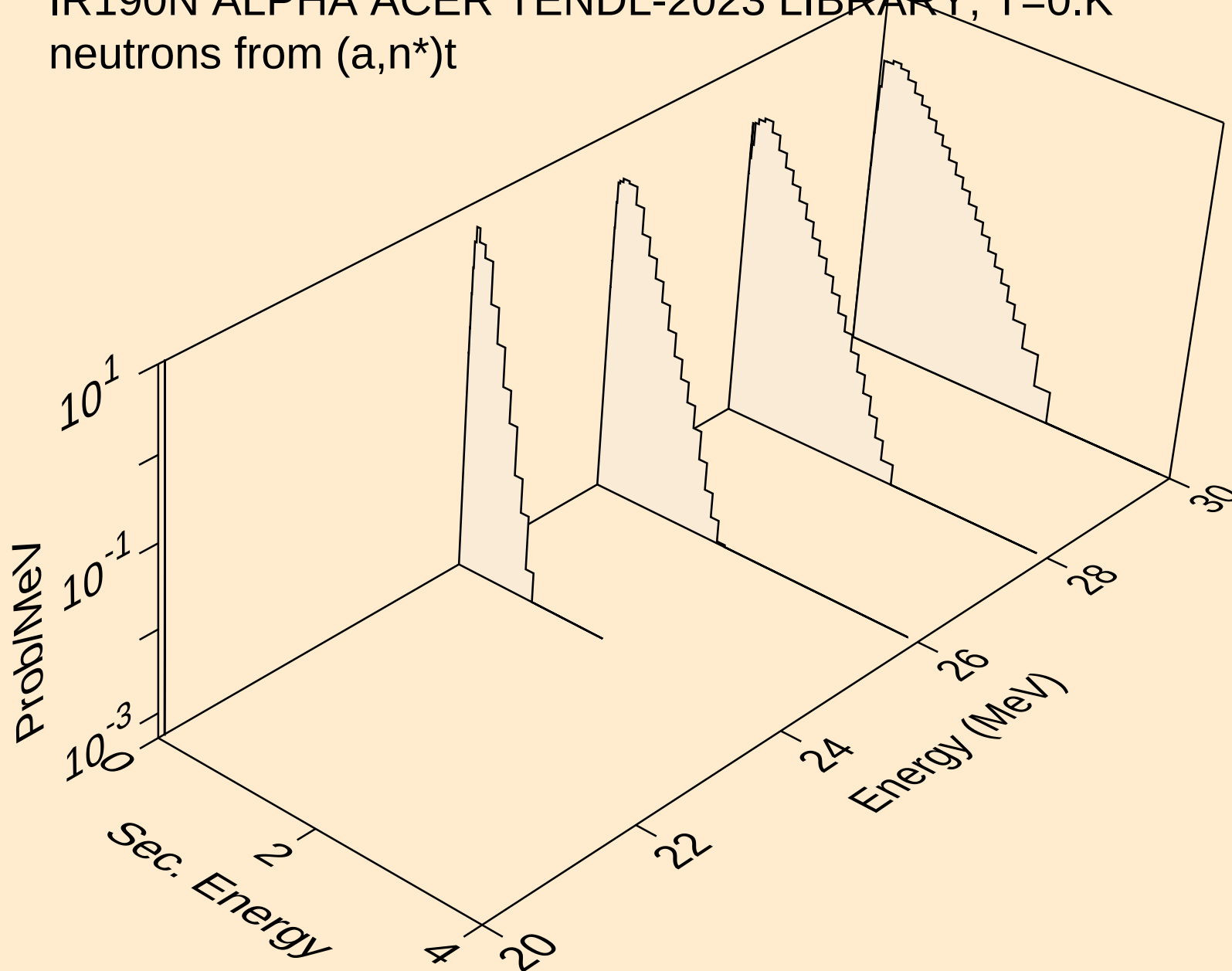
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p



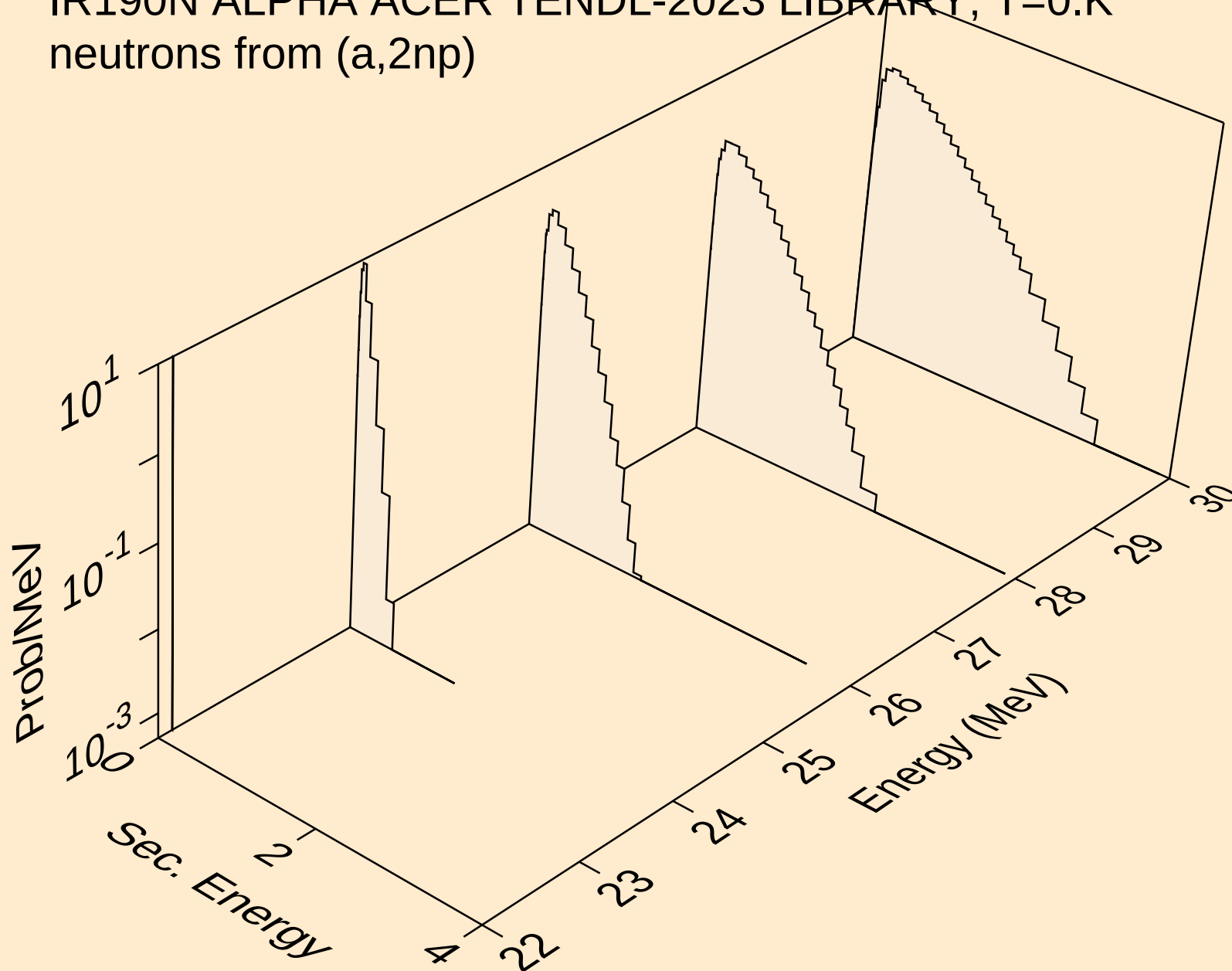
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)d



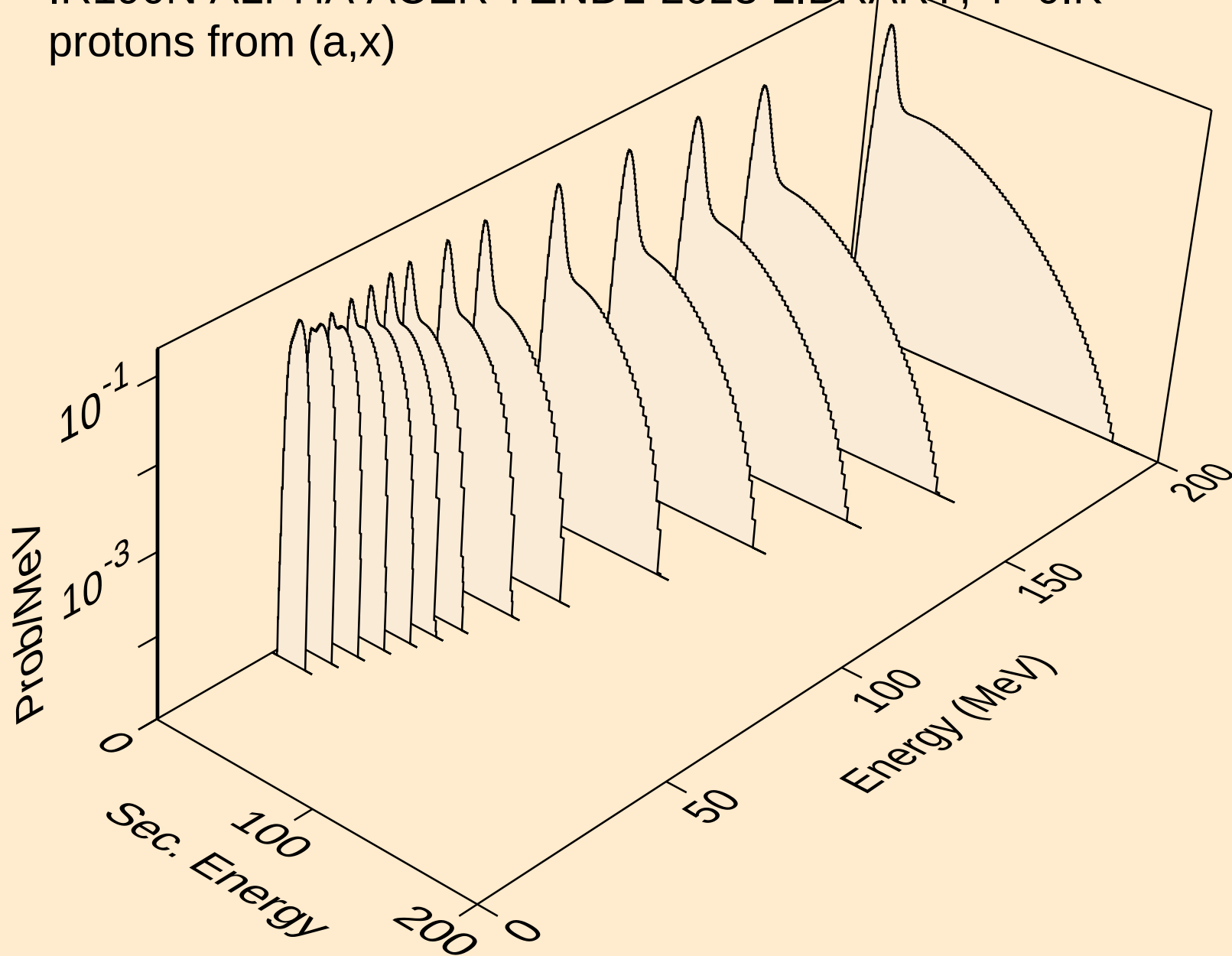
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)t



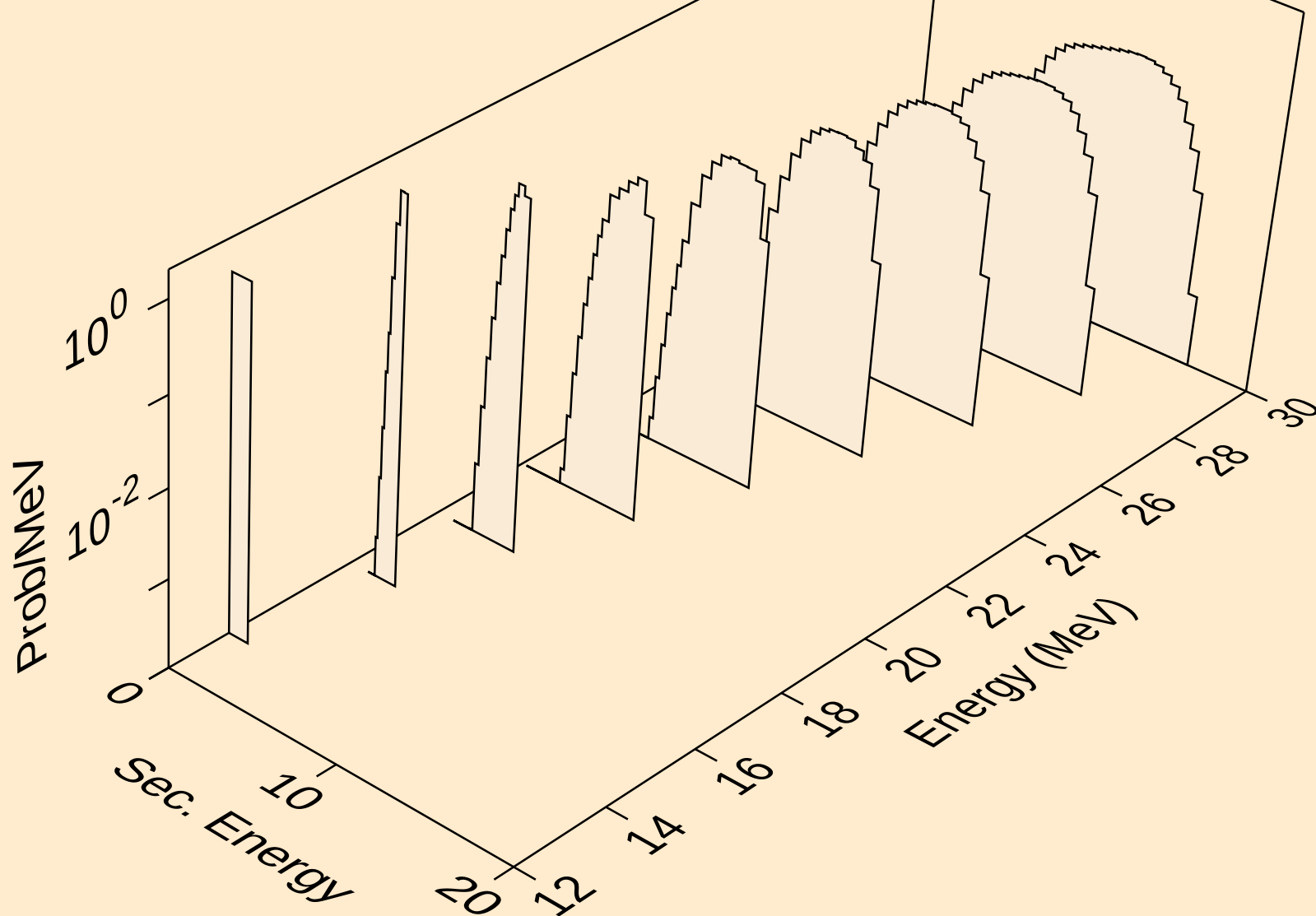
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neutrons from (a,2np)



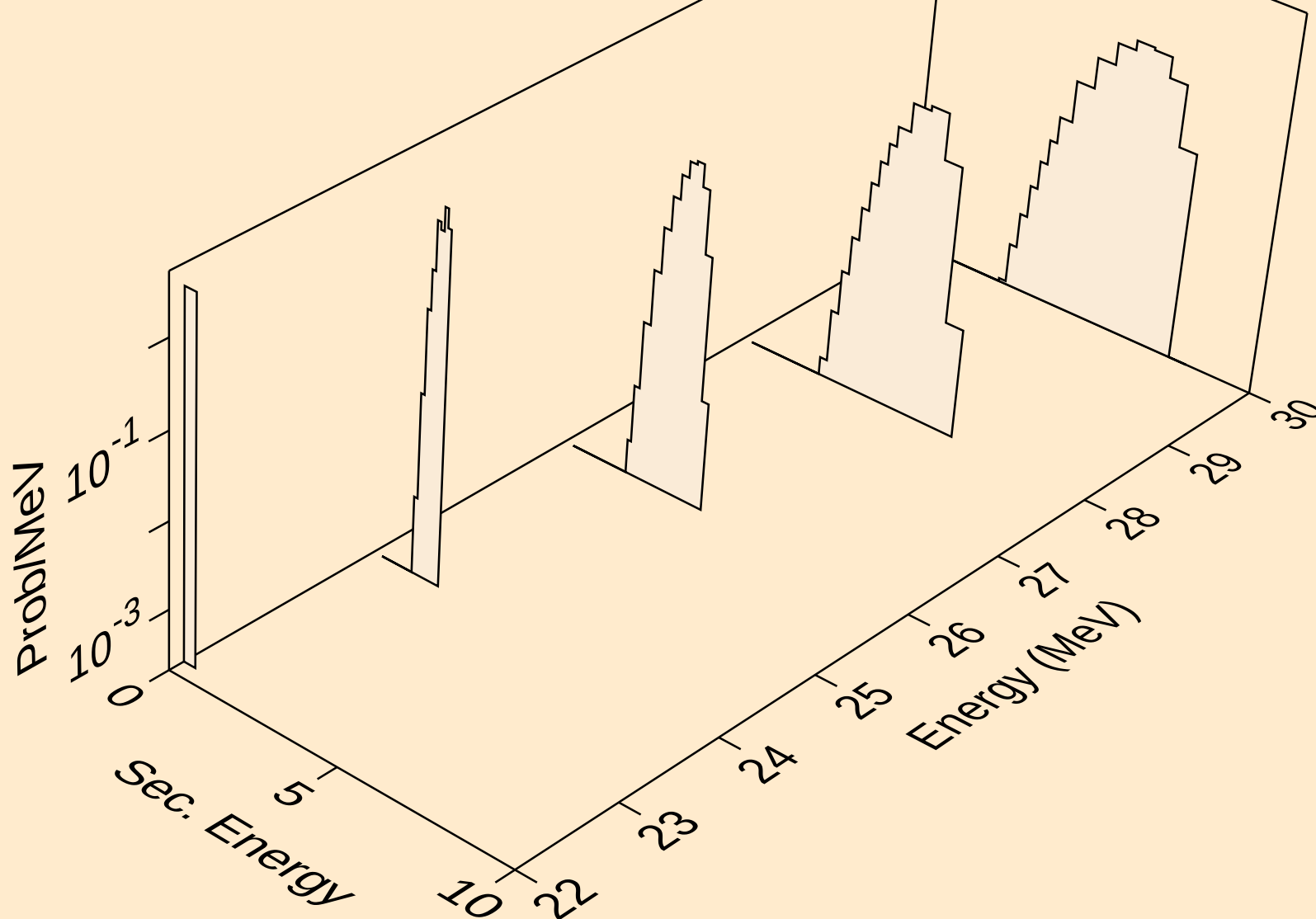
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protons from (a,x)



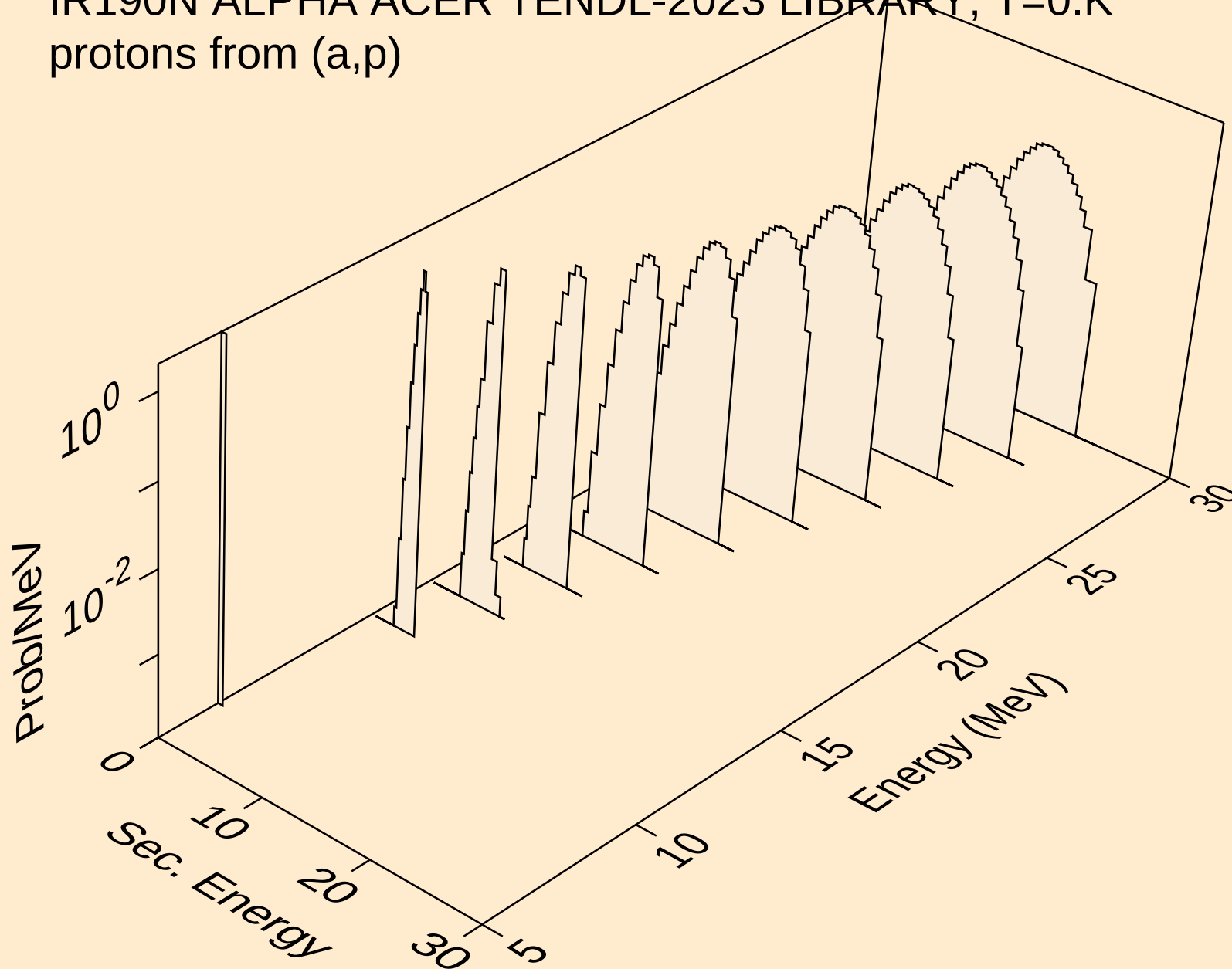
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protons from (a,n*)p



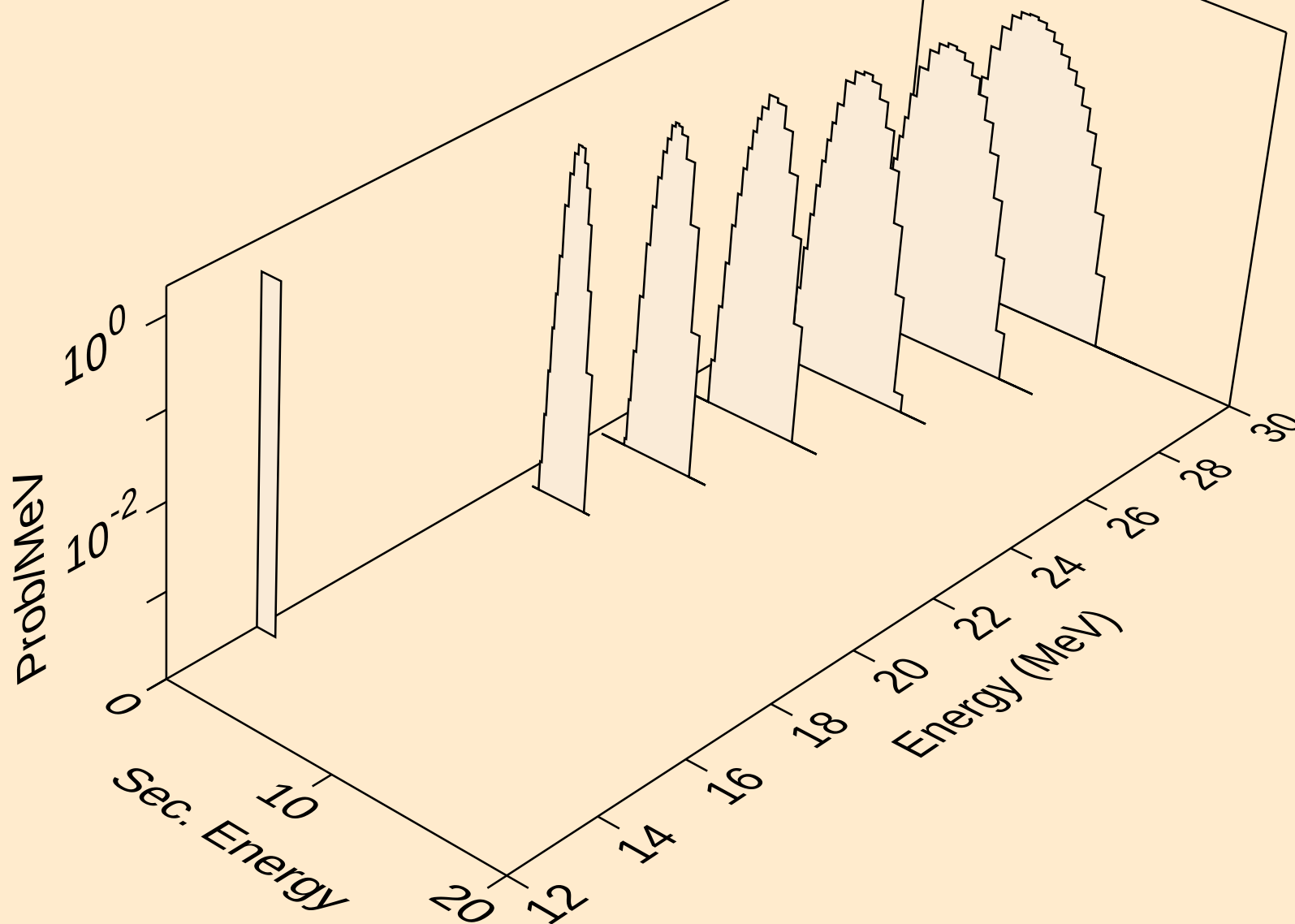
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protons from (a,2np)



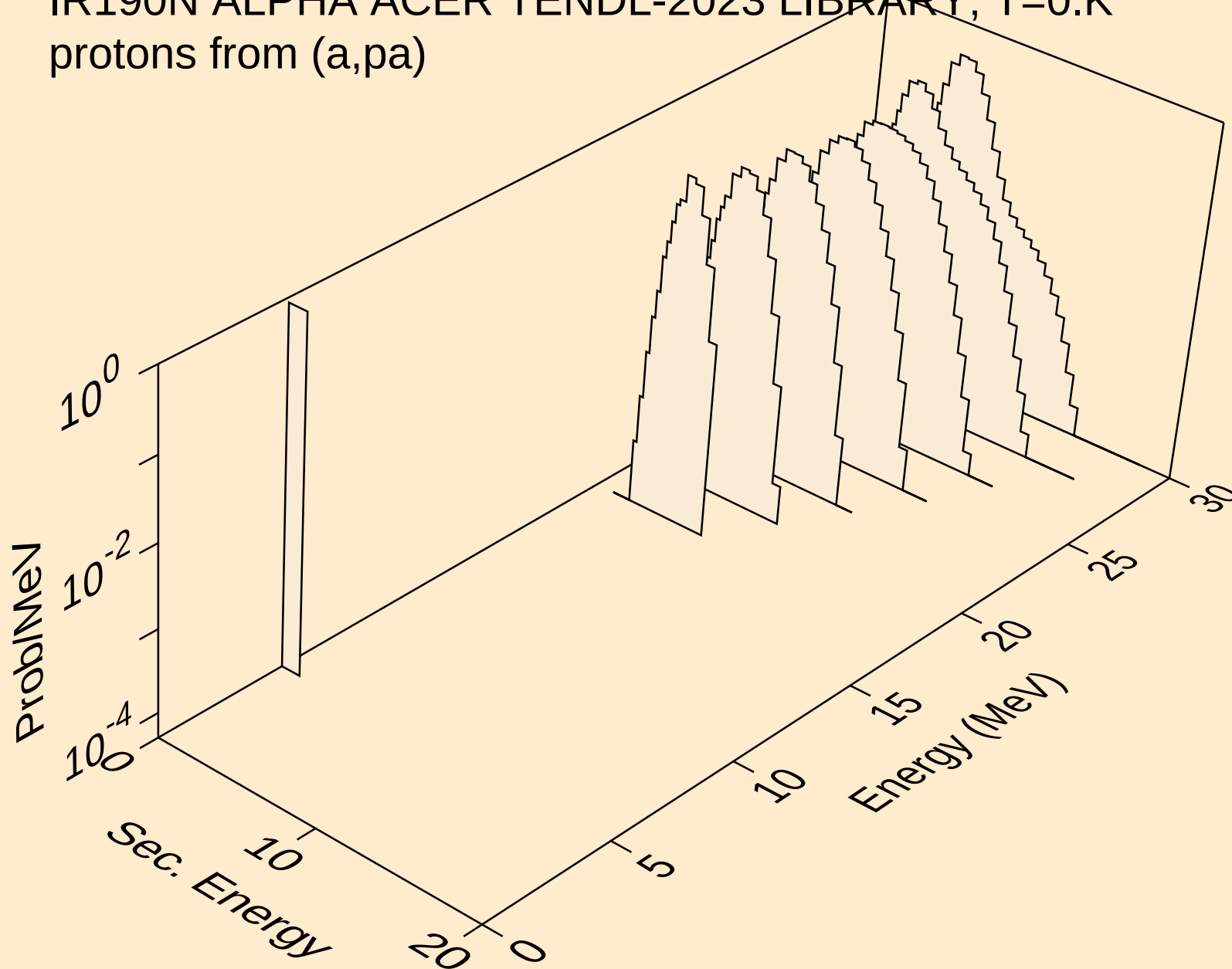
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protons from (a,p)



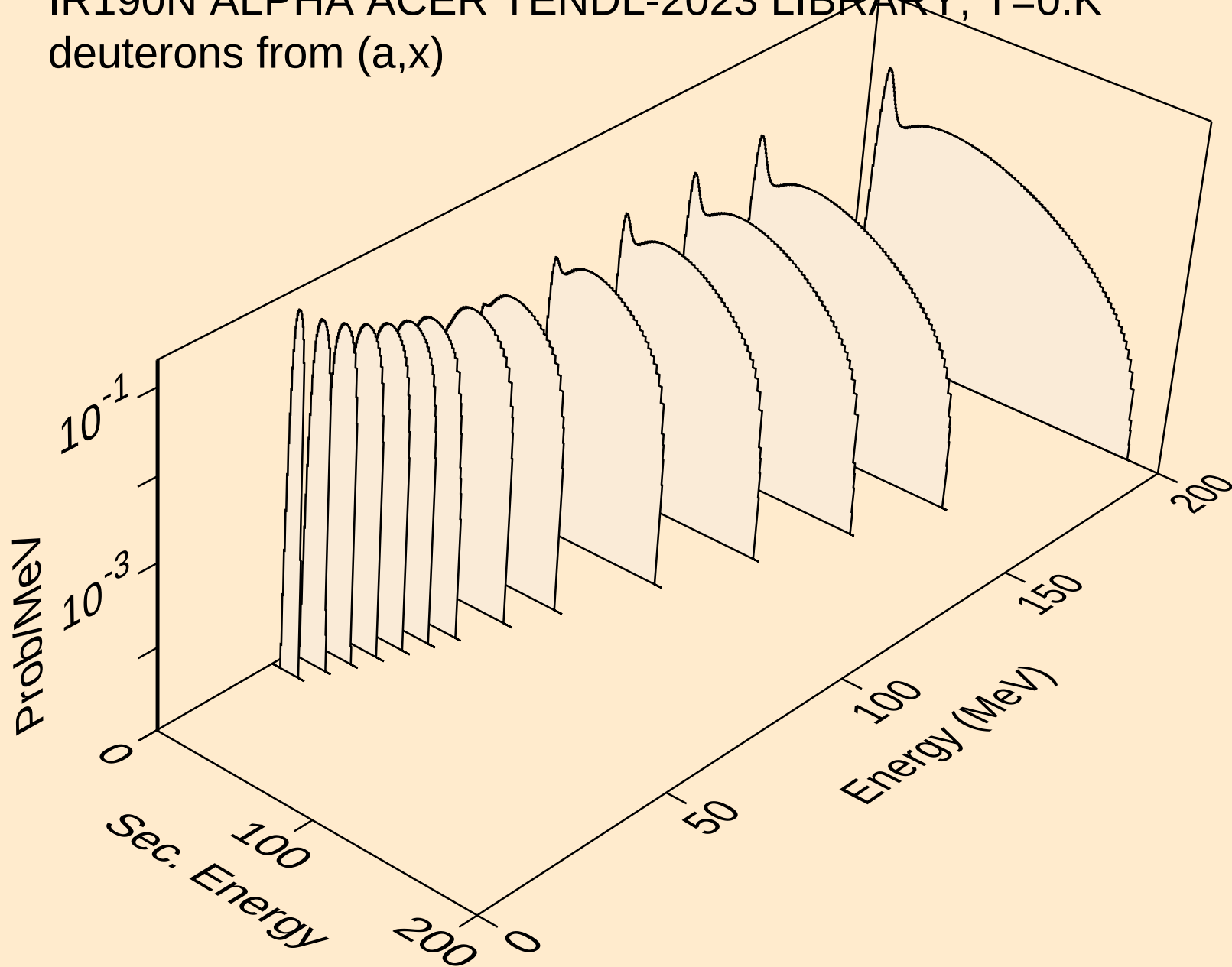
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protons from (a,2p)



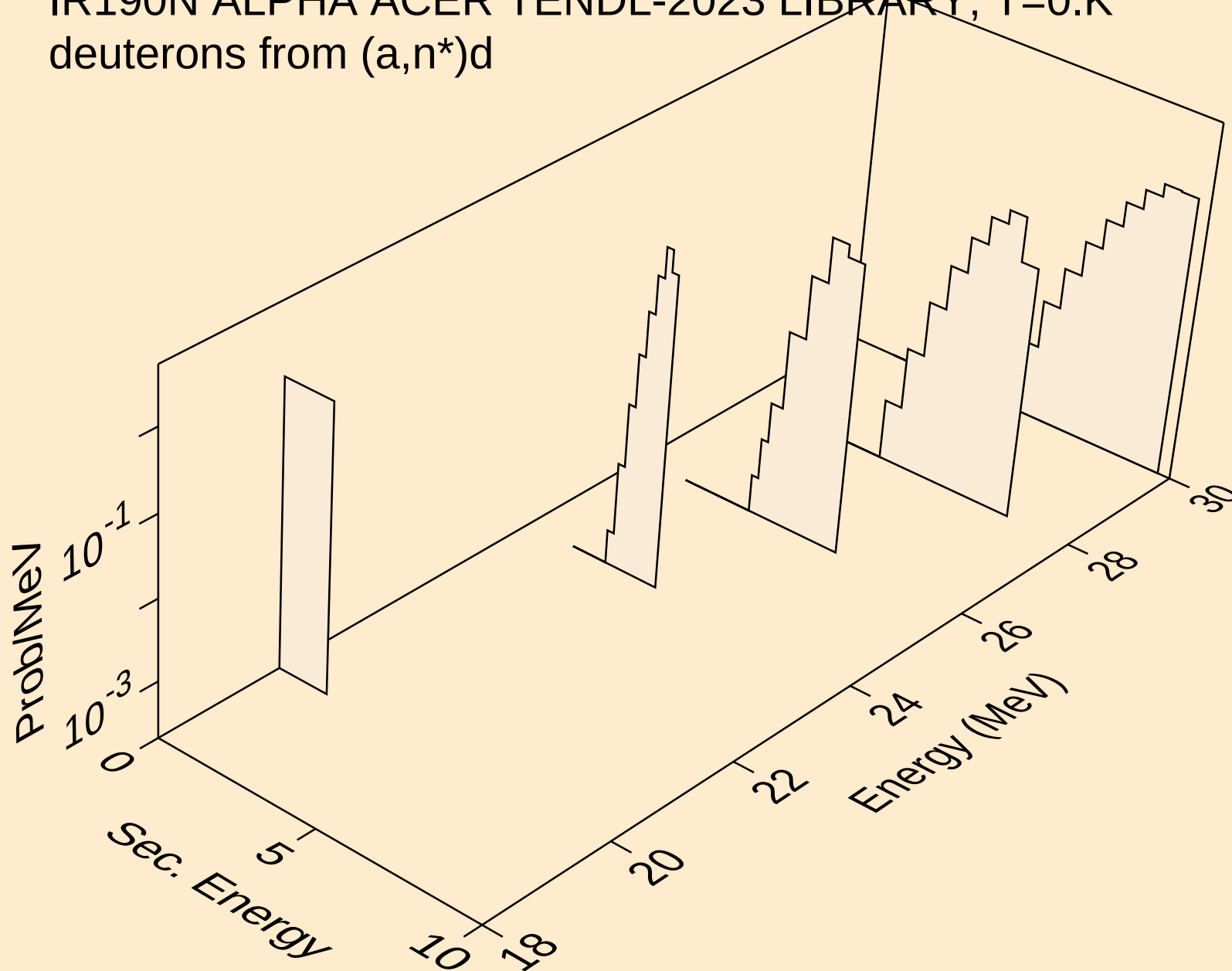
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protons from (a,pa)



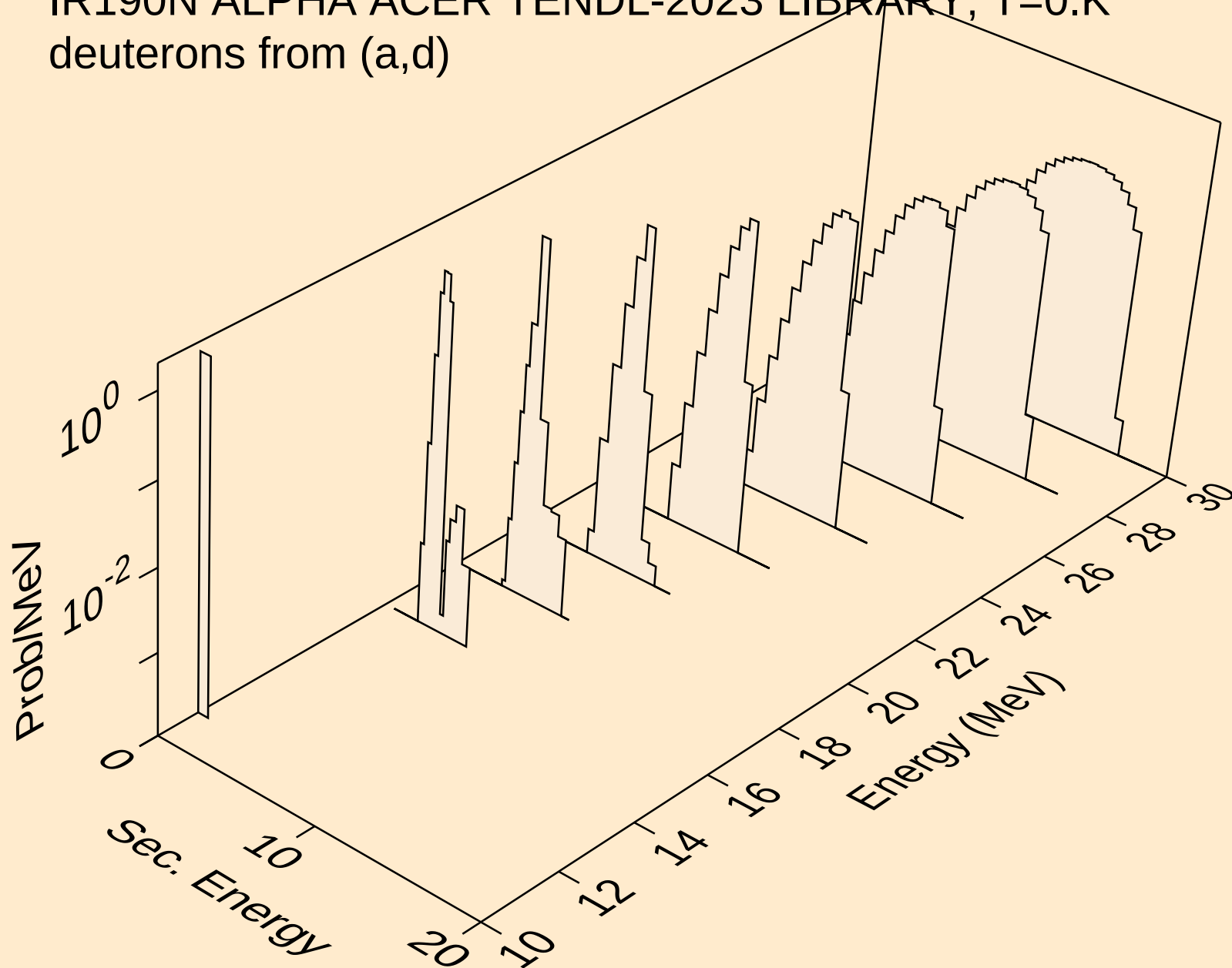
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



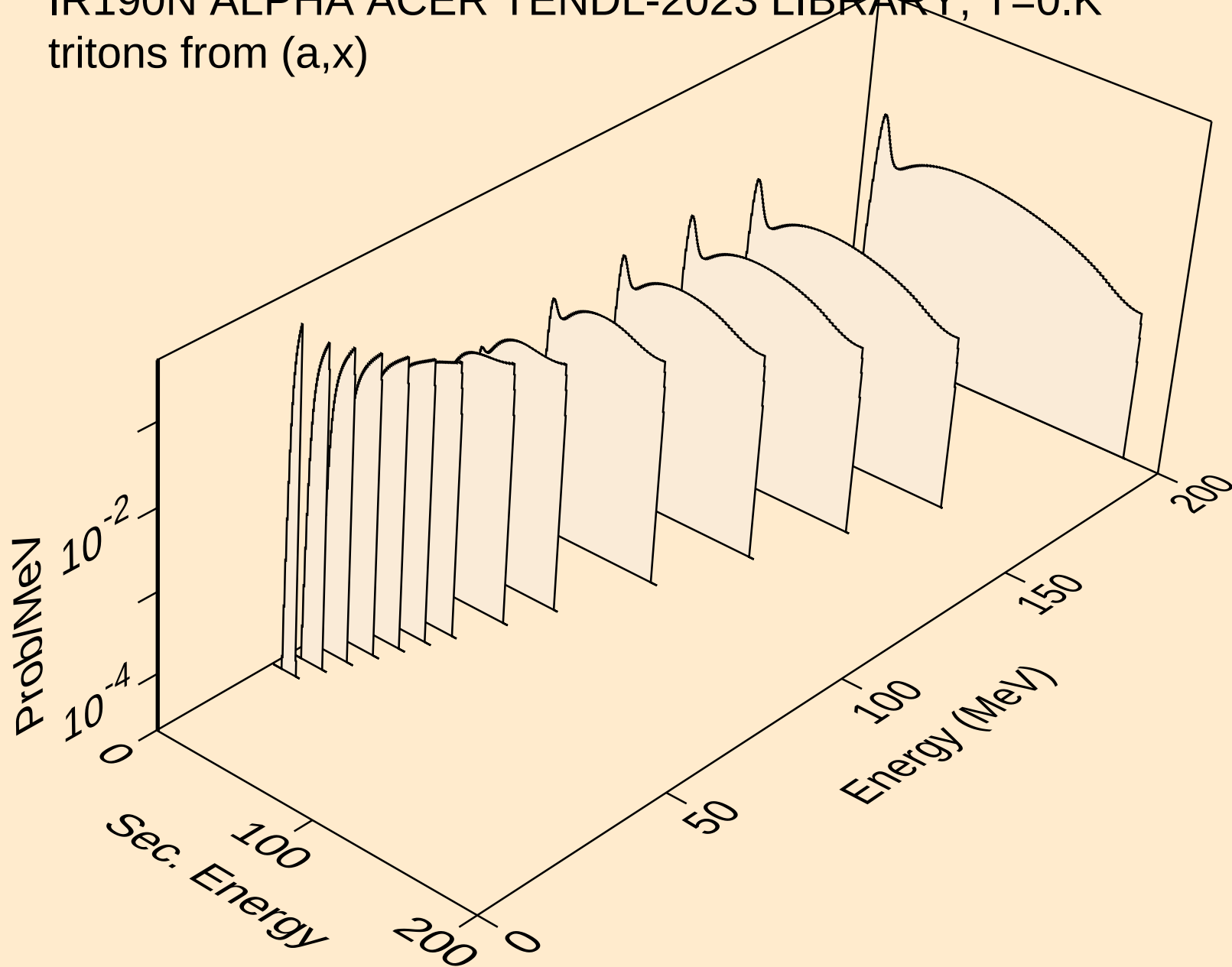
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deuterons from (a,n*)d



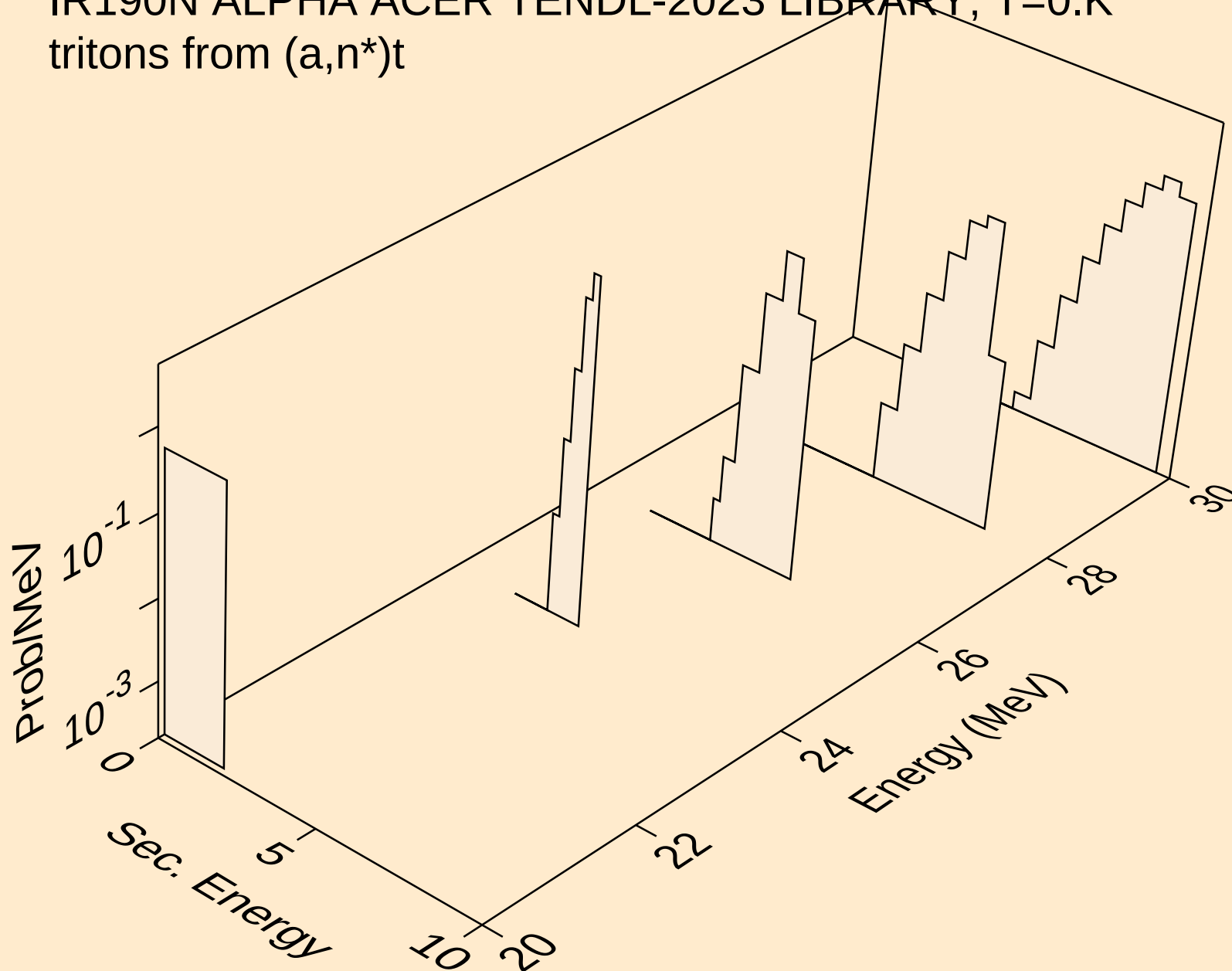
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deuterons from (a,d)



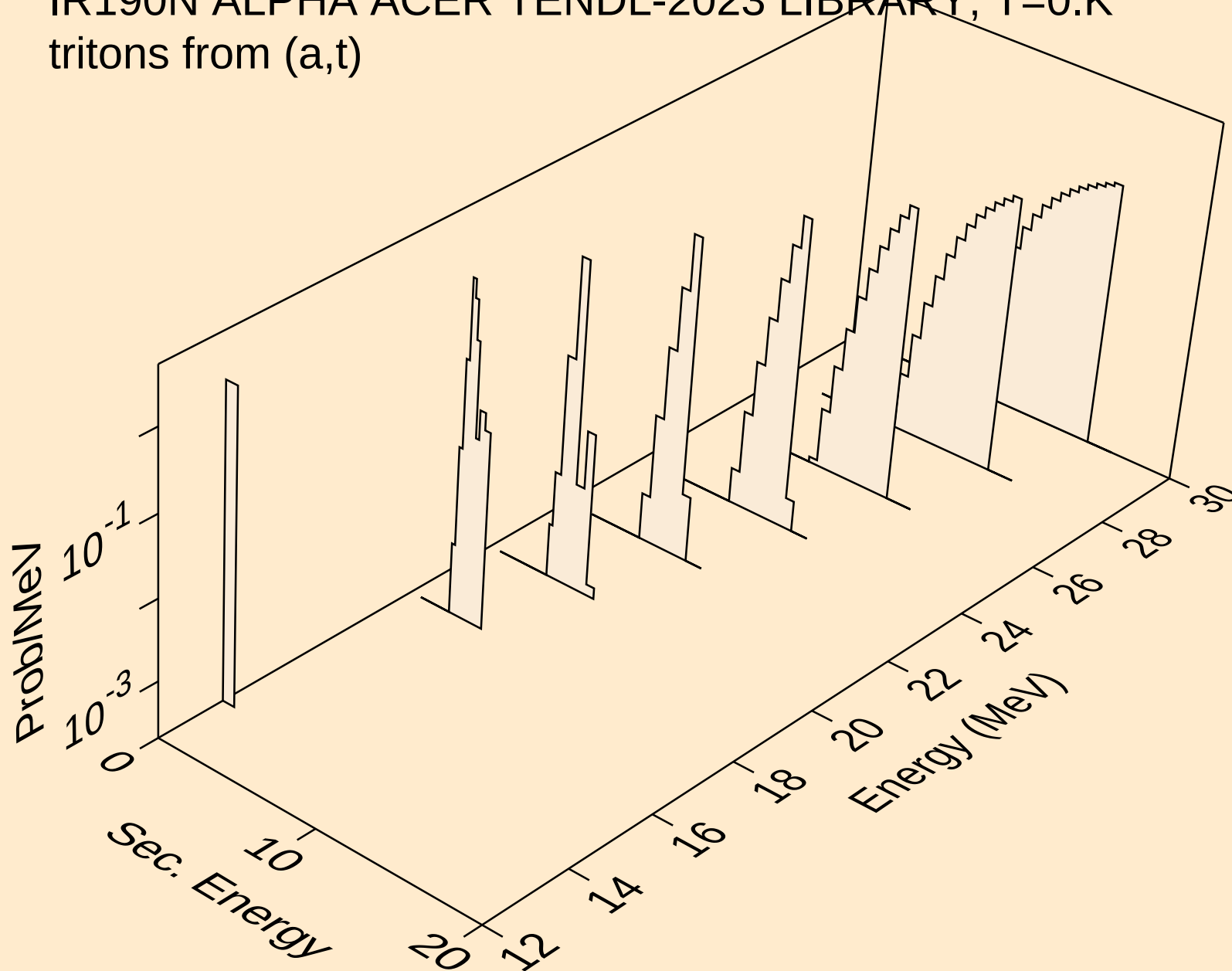
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)



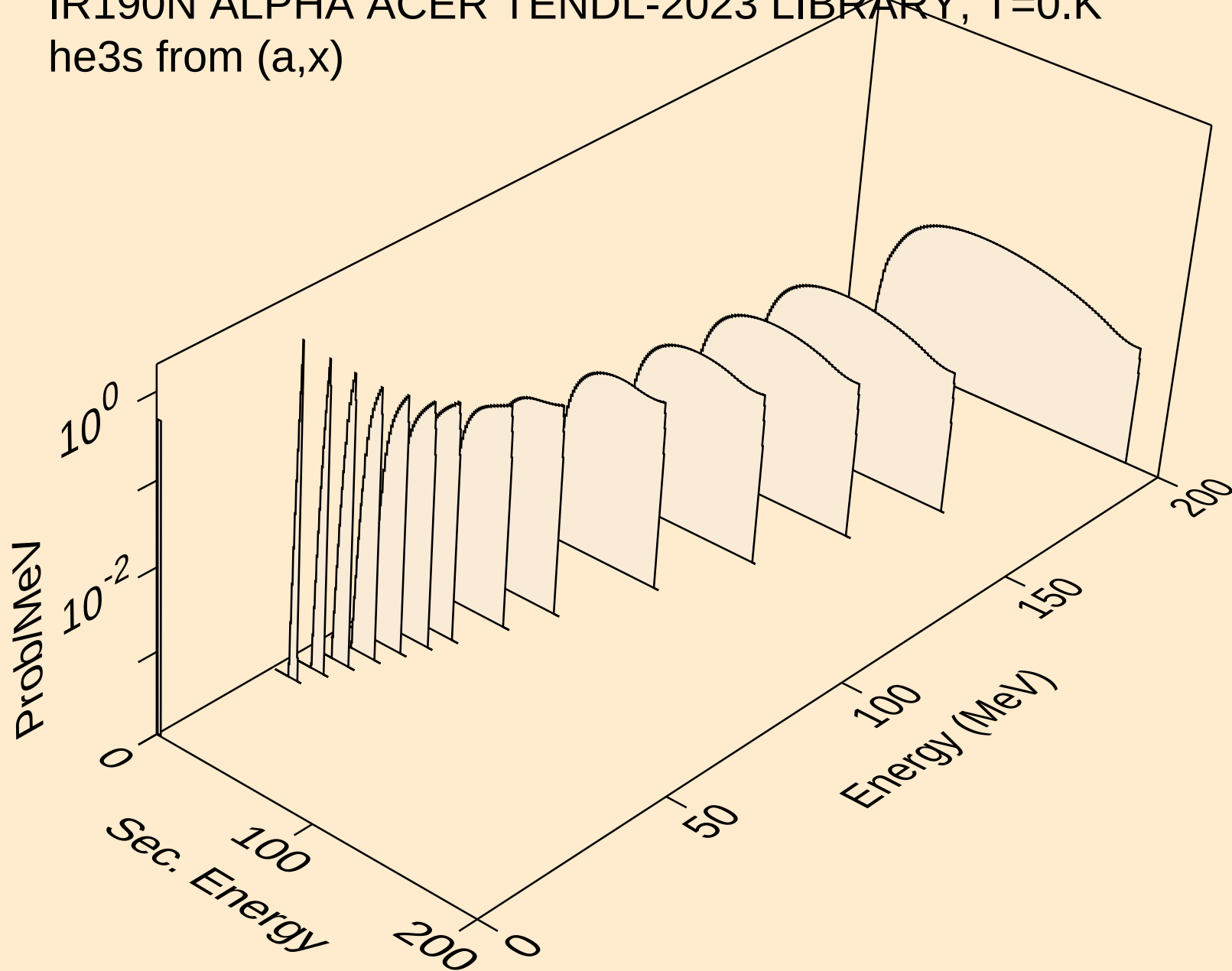
IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,n*)t



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



IR190N ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

