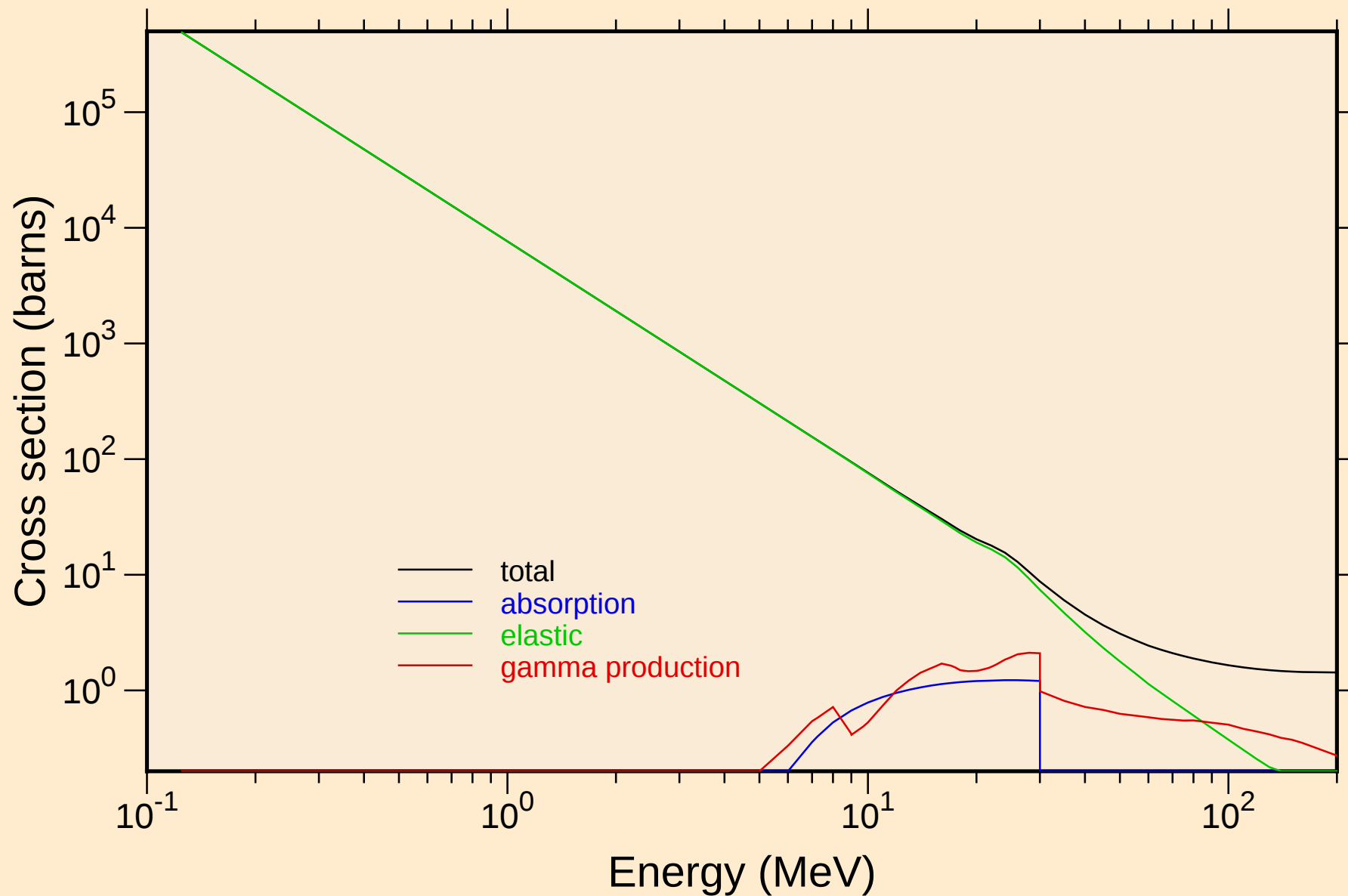


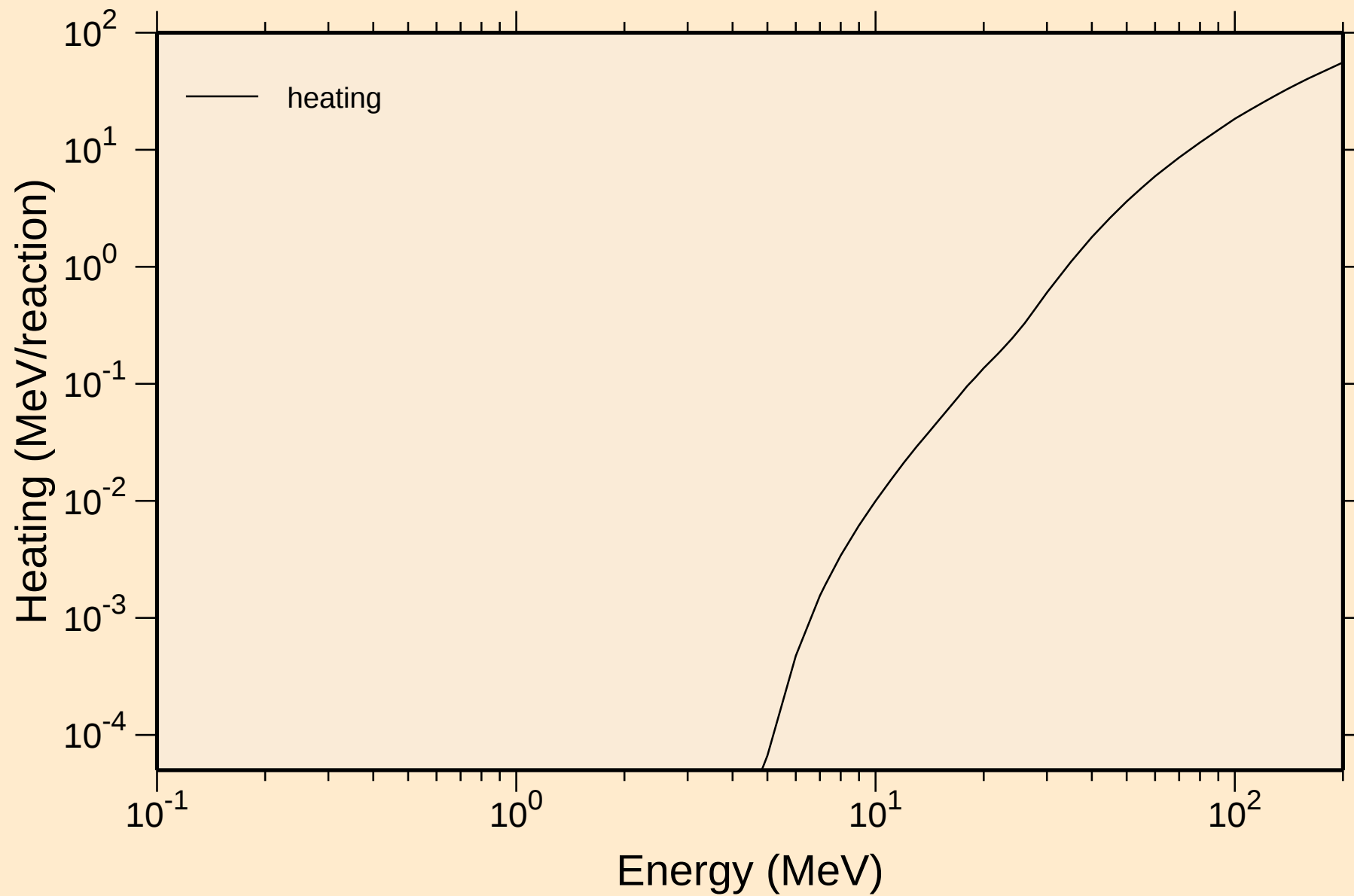
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



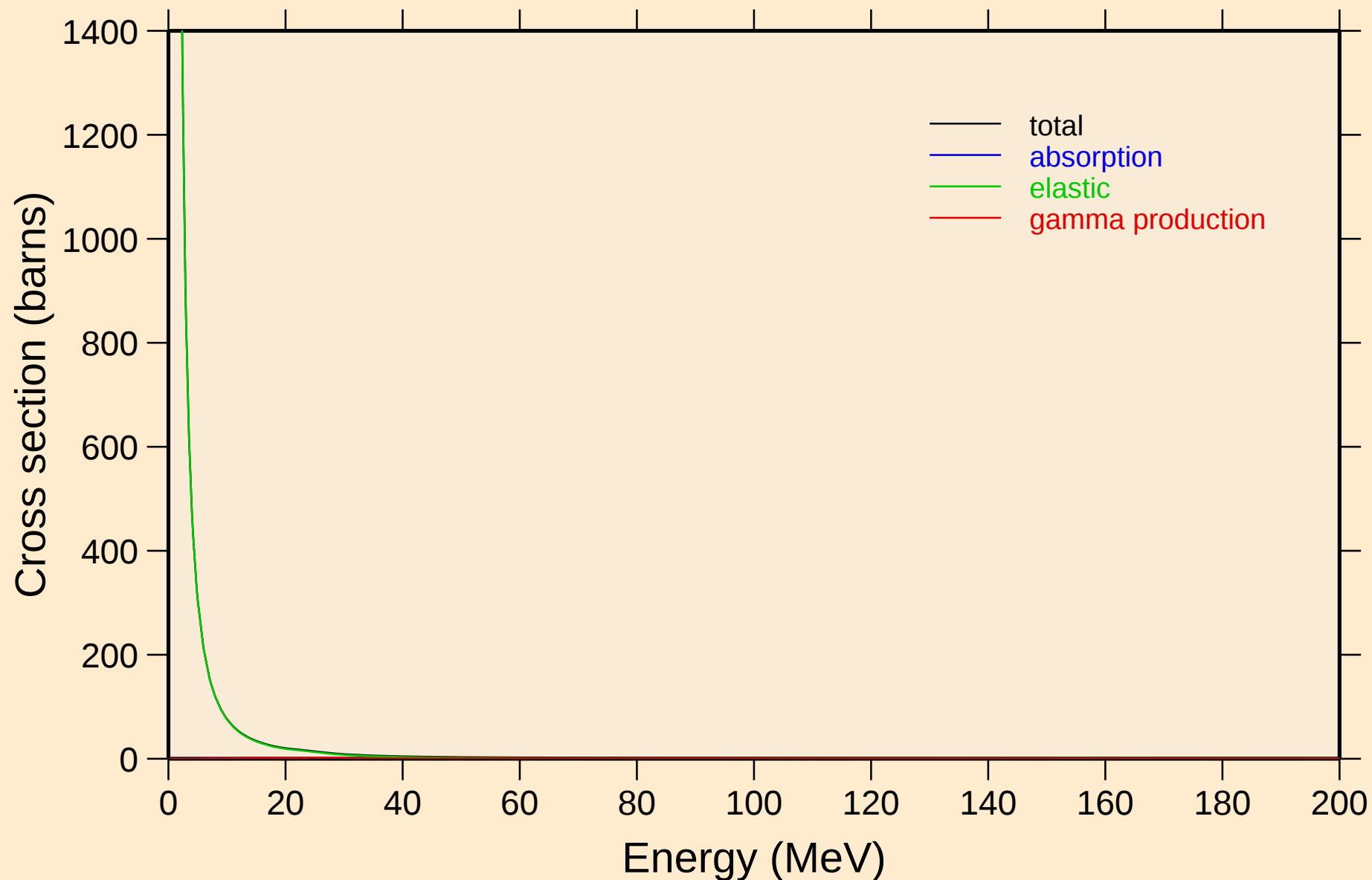
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



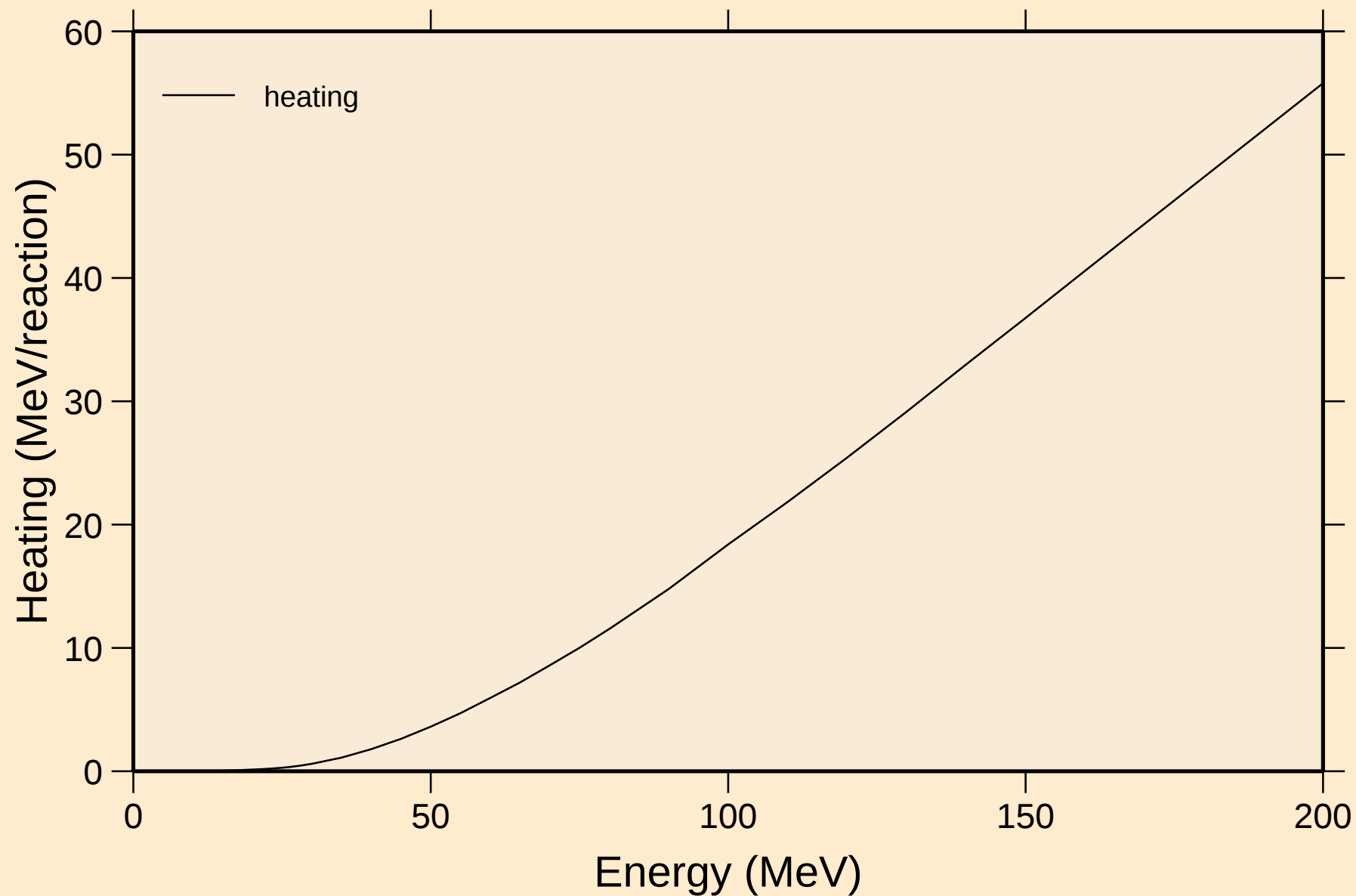
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



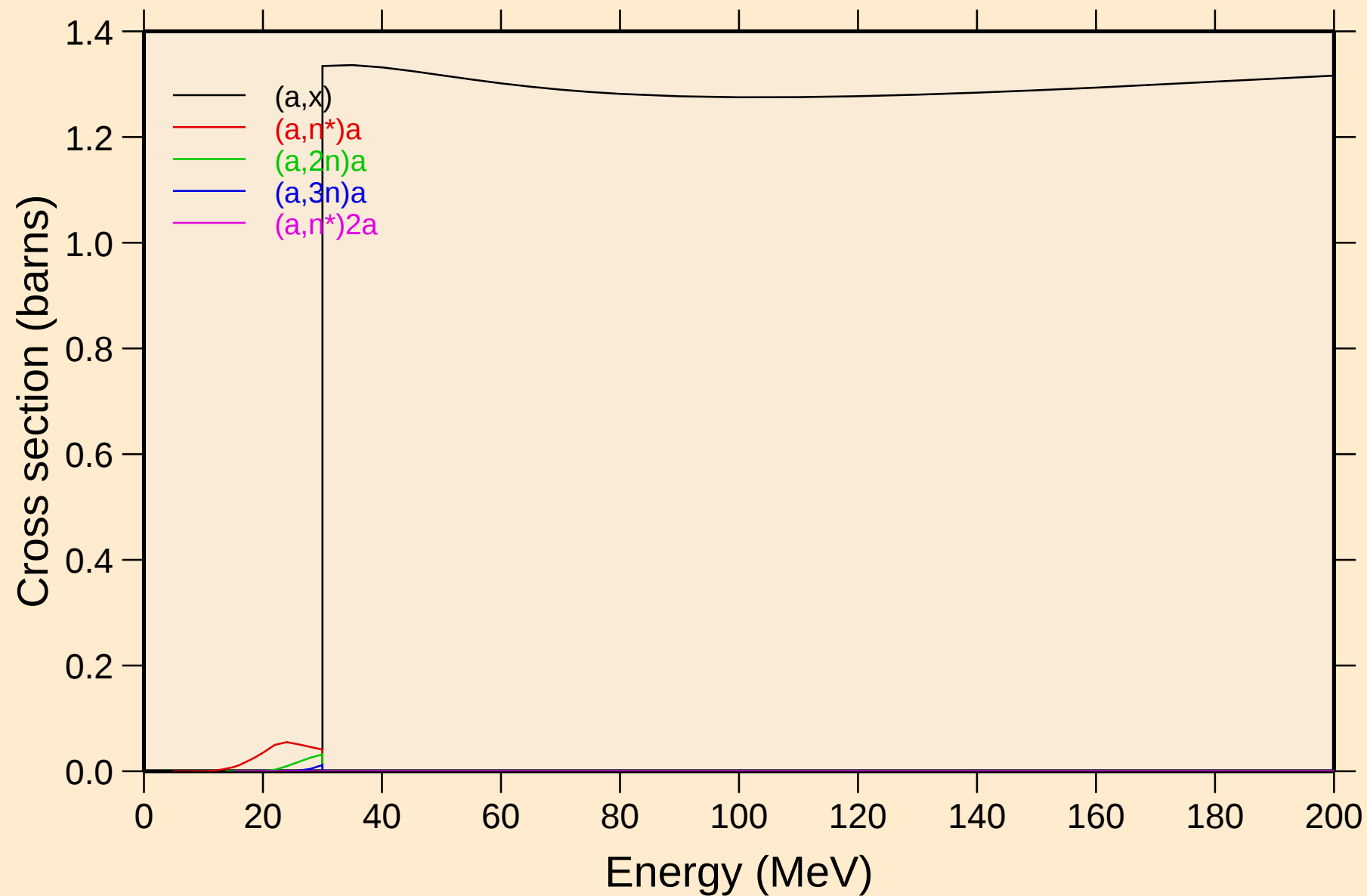
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Heating



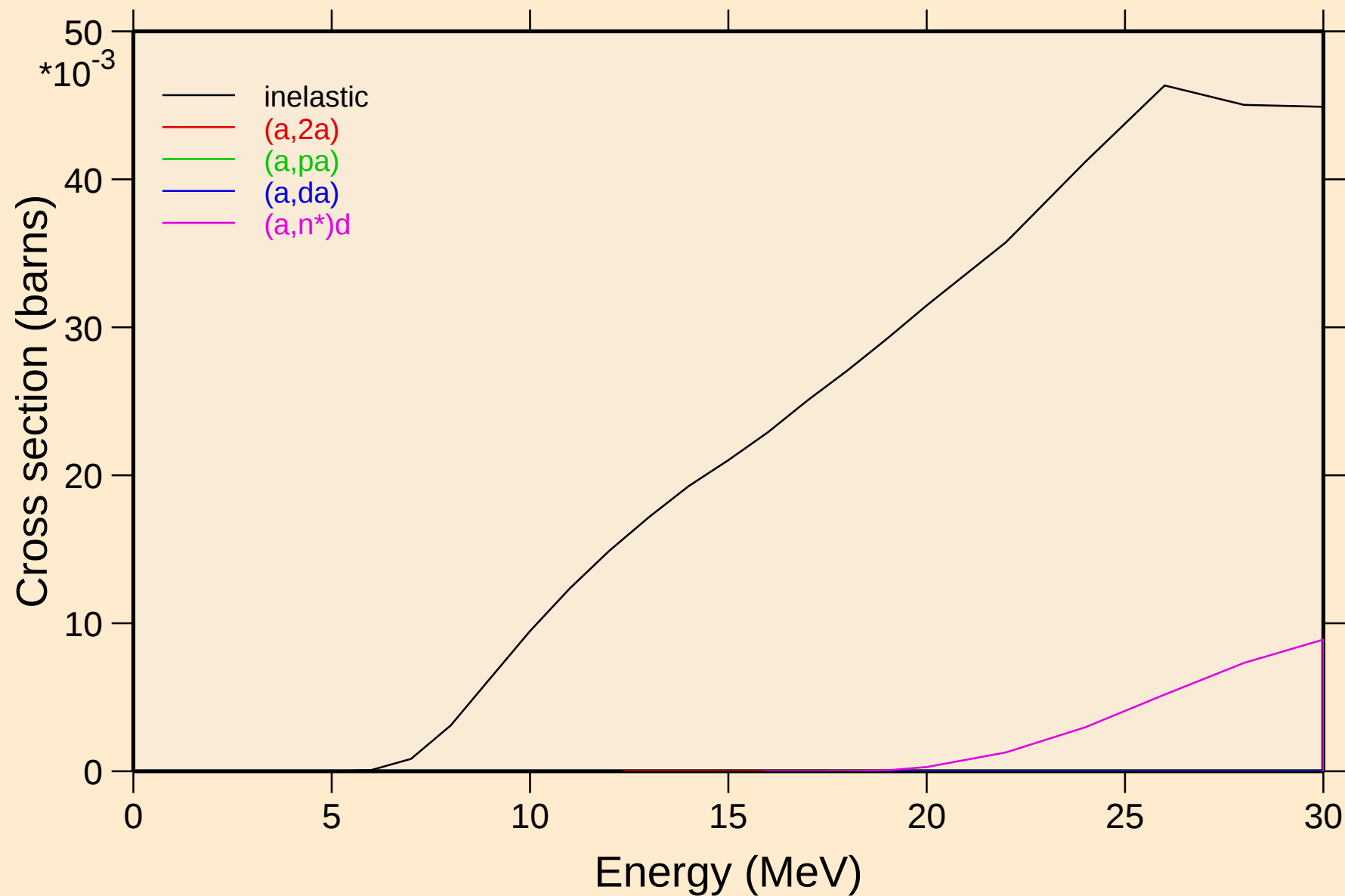
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Threshold reactions



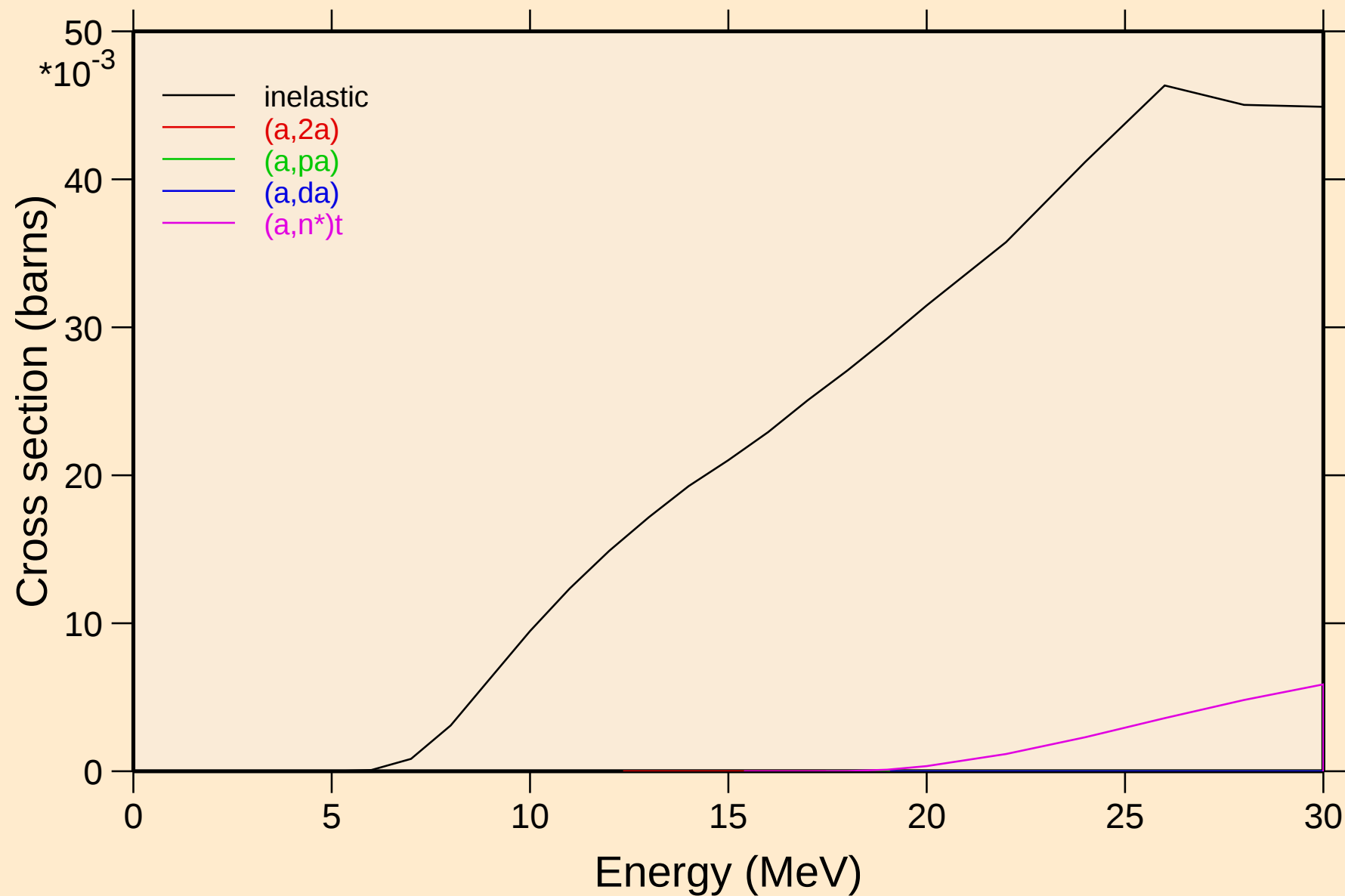
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Threshold reactions



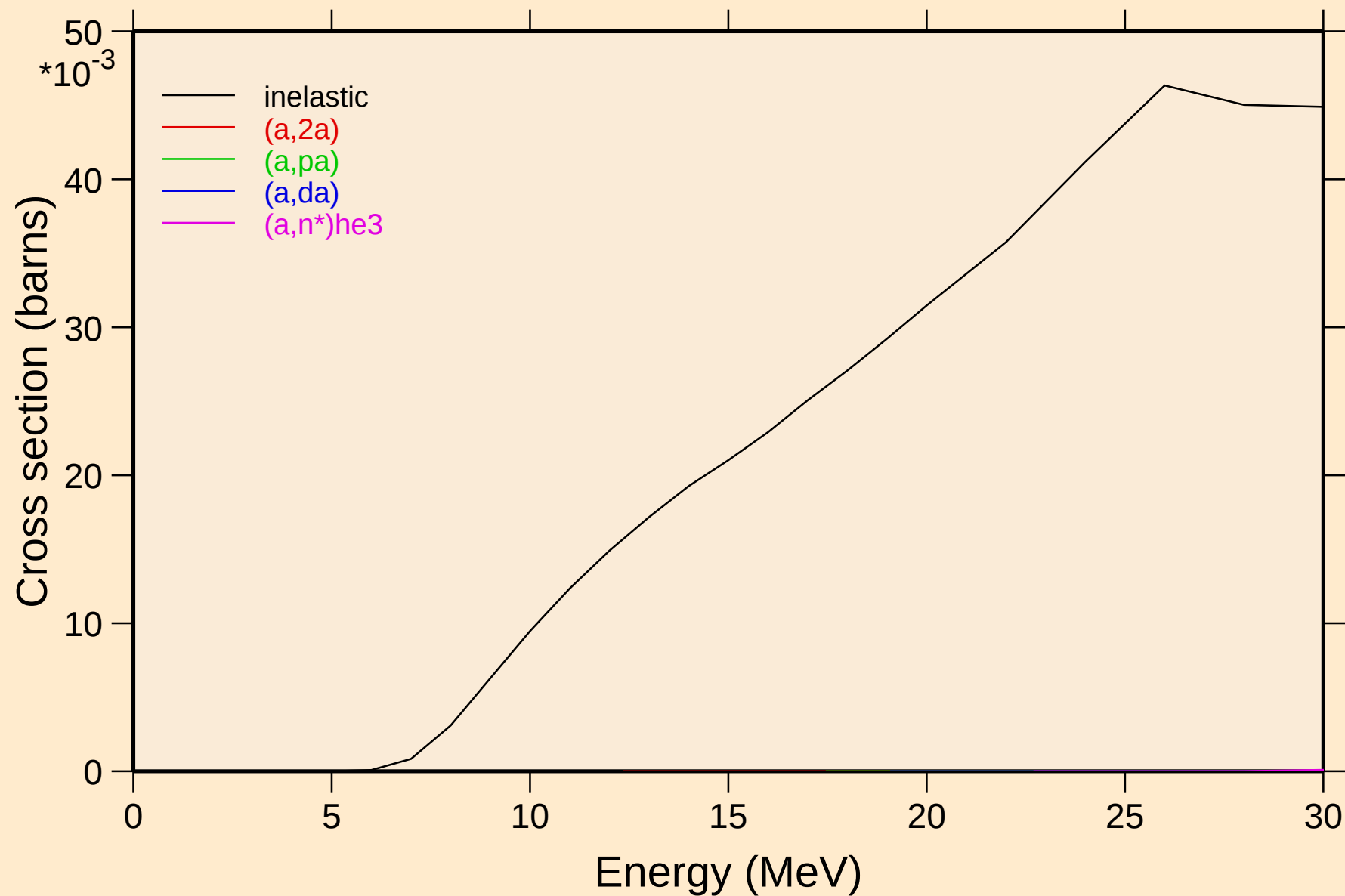
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Threshold reactions



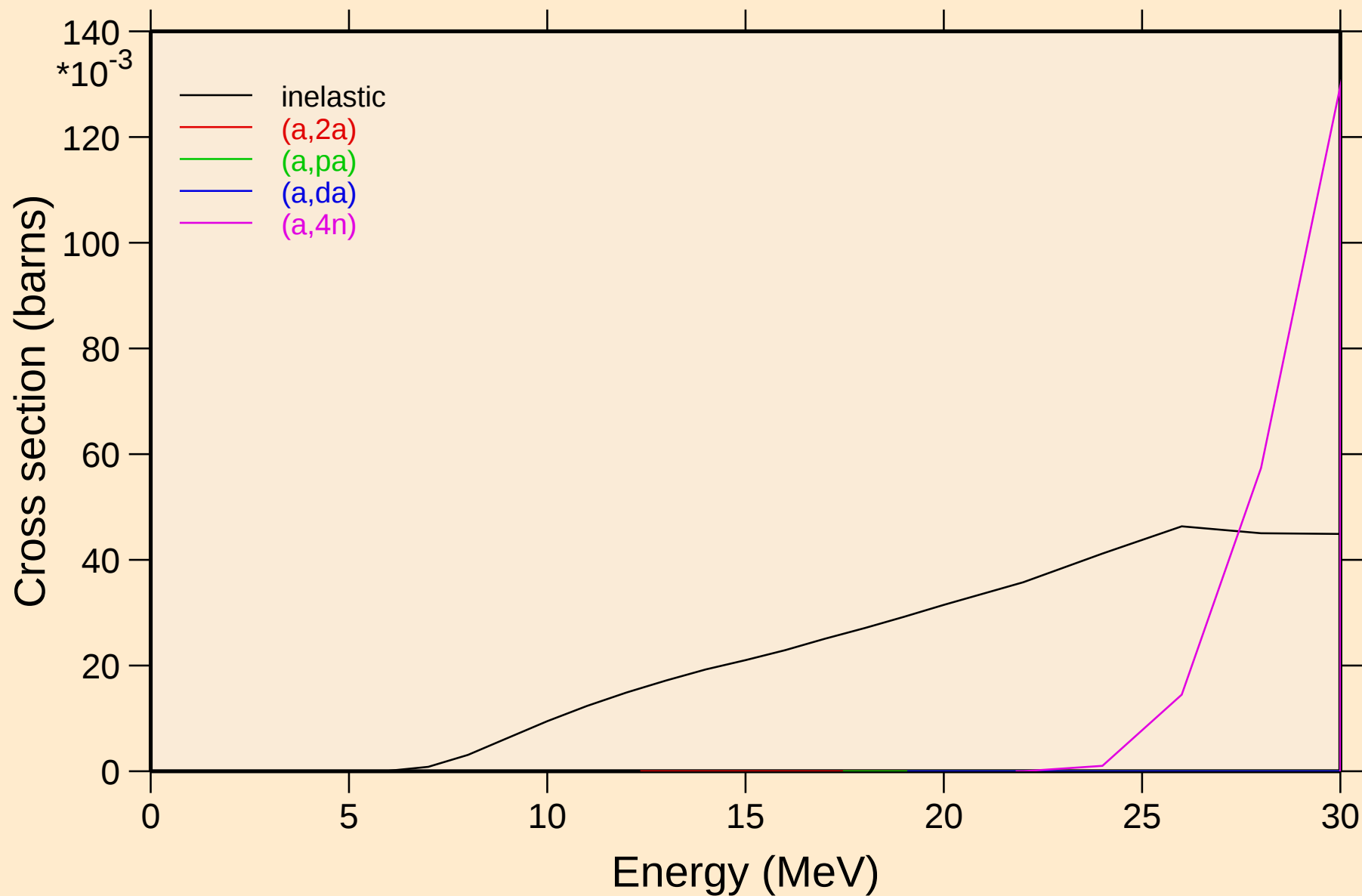
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



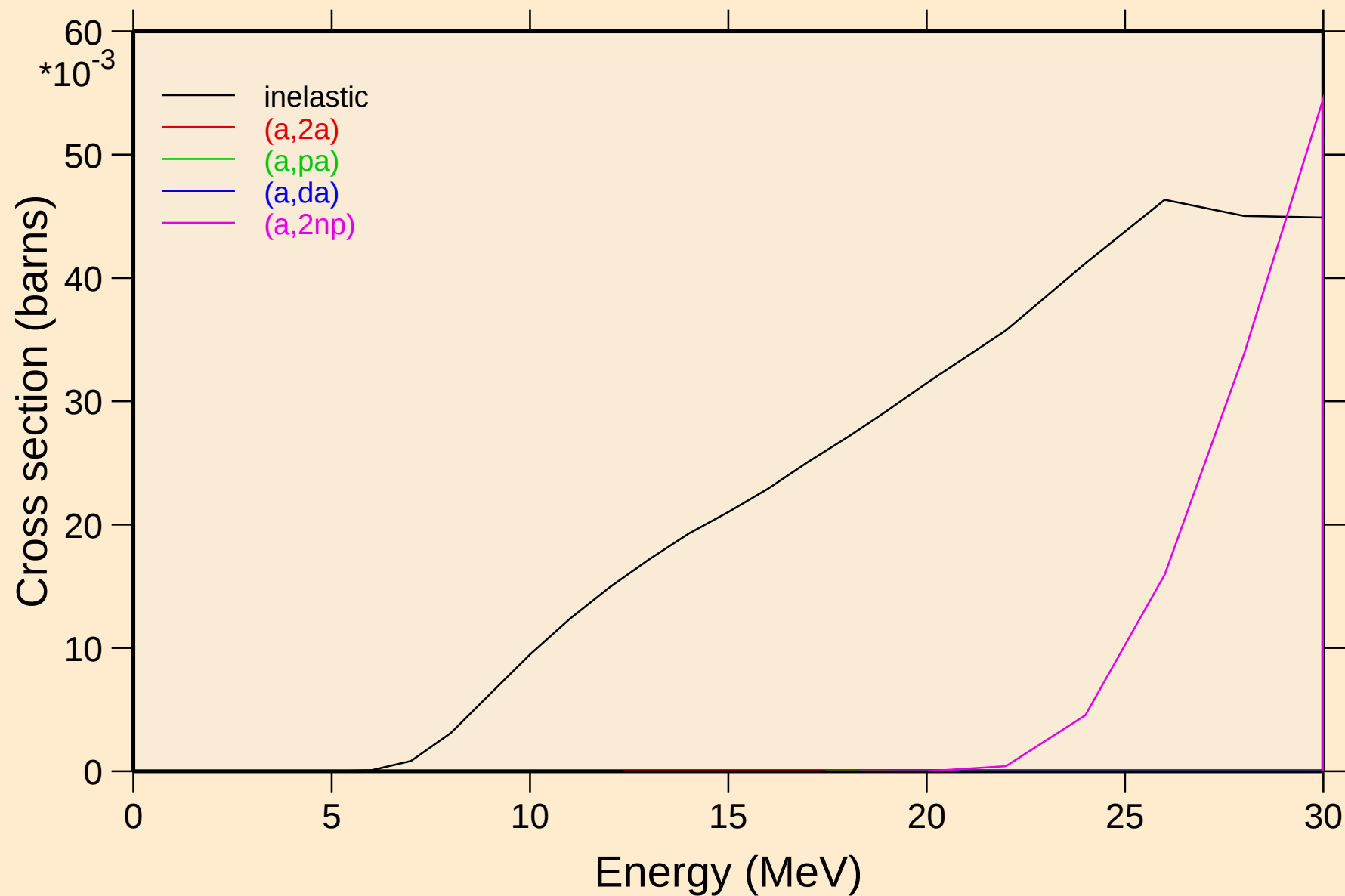
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Threshold reactions



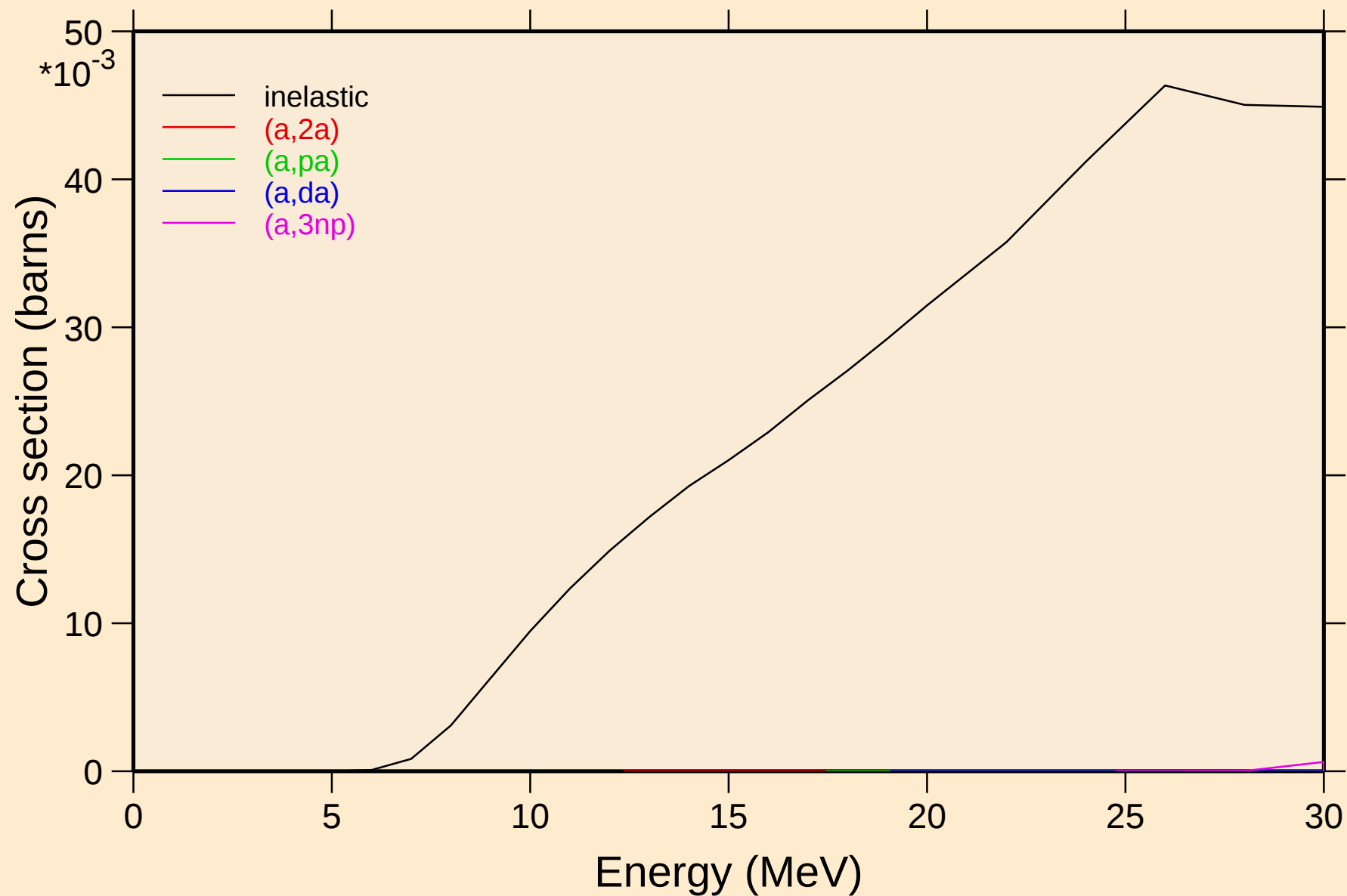
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Threshold reactions



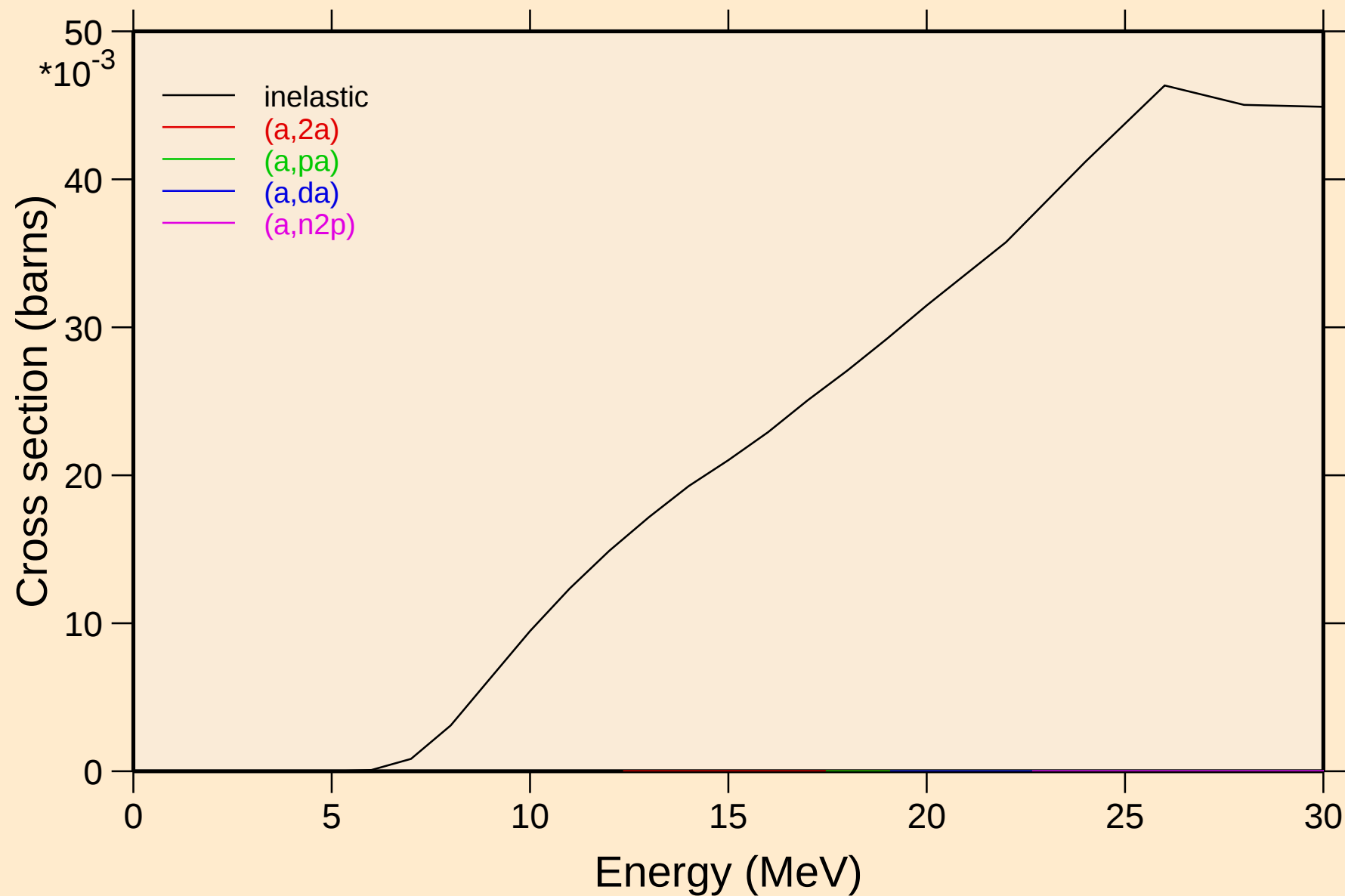
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



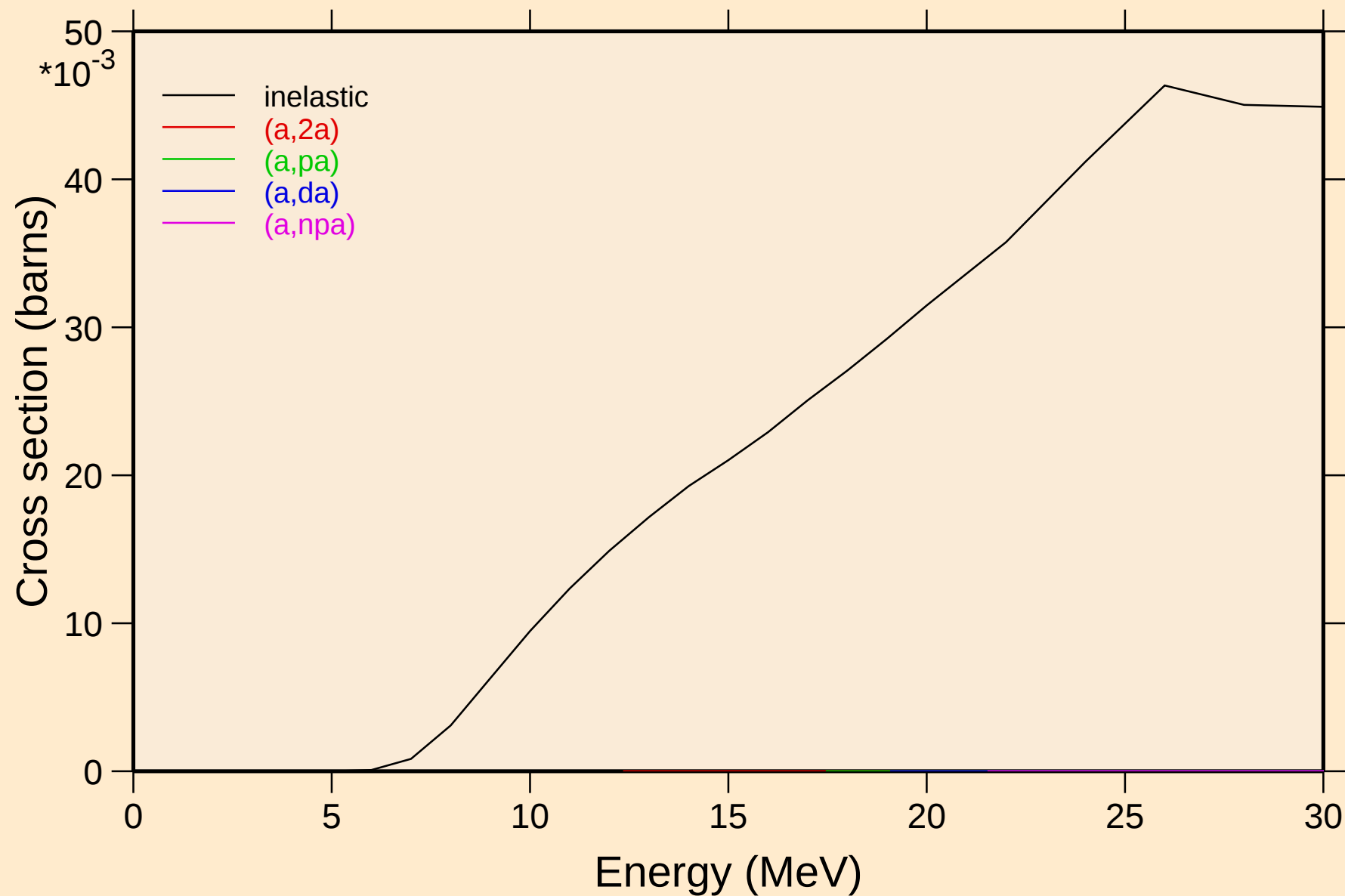
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Threshold reactions



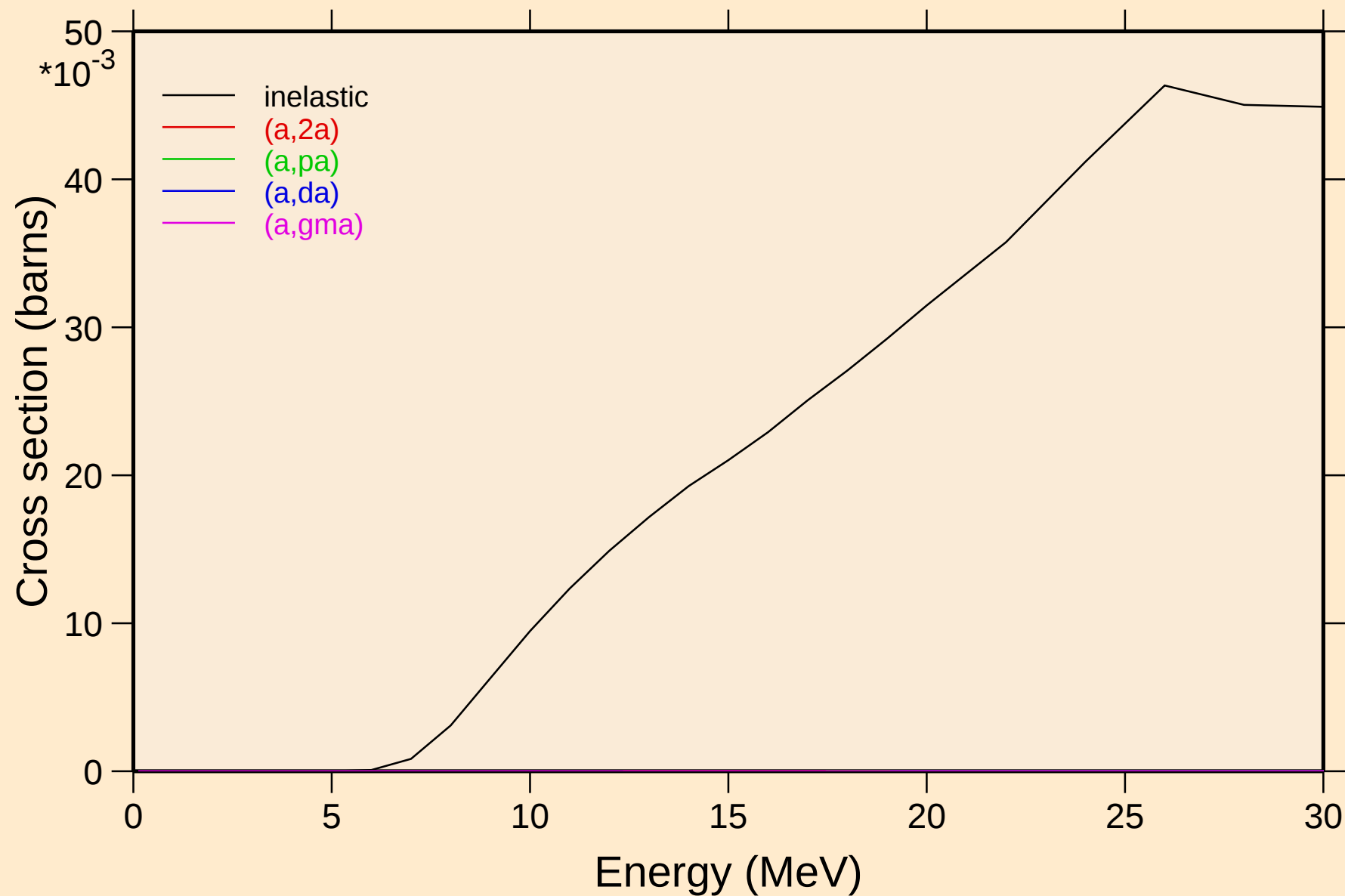
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Threshold reactions



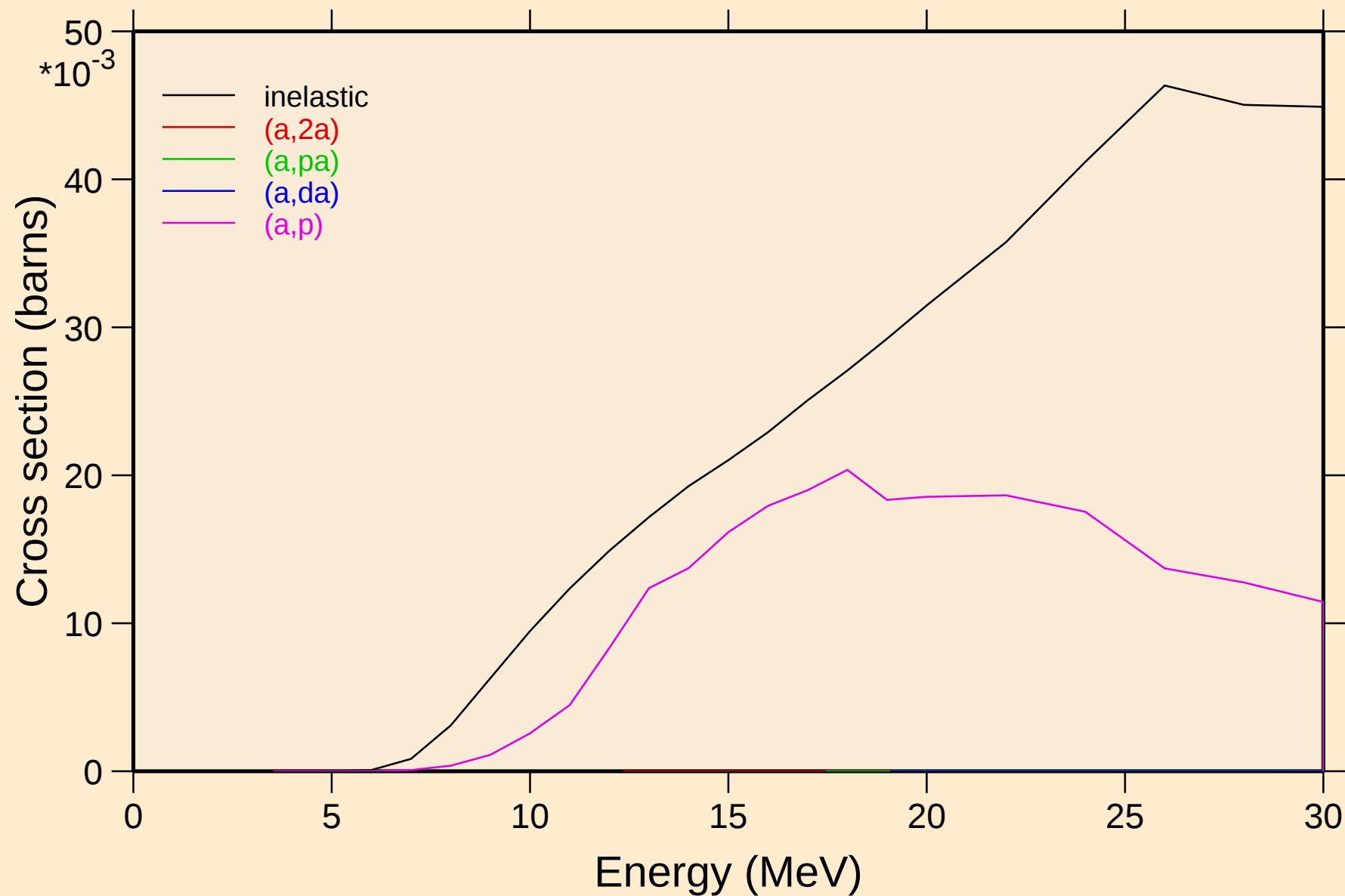
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Threshold reactions



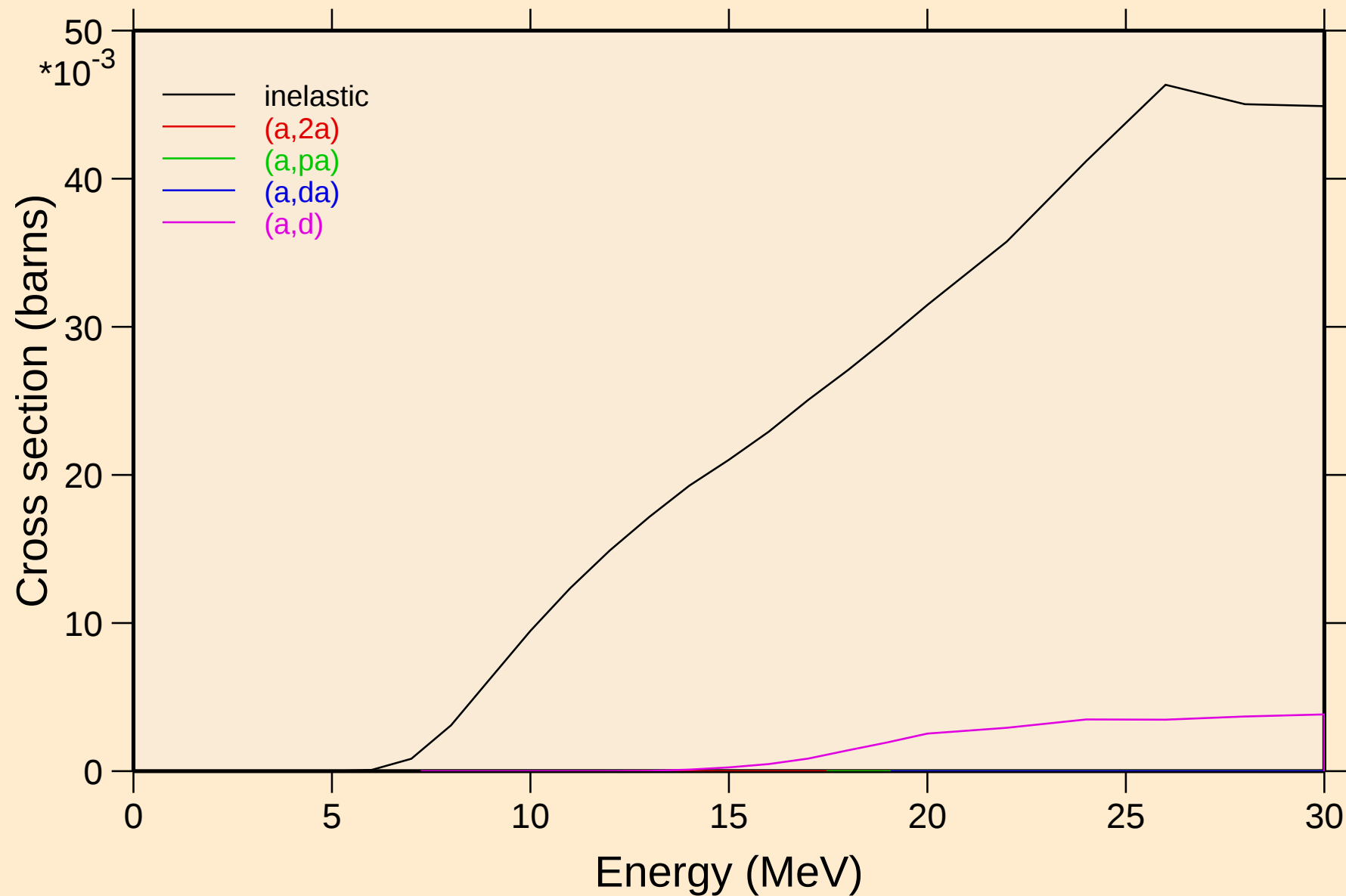
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Threshold reactions



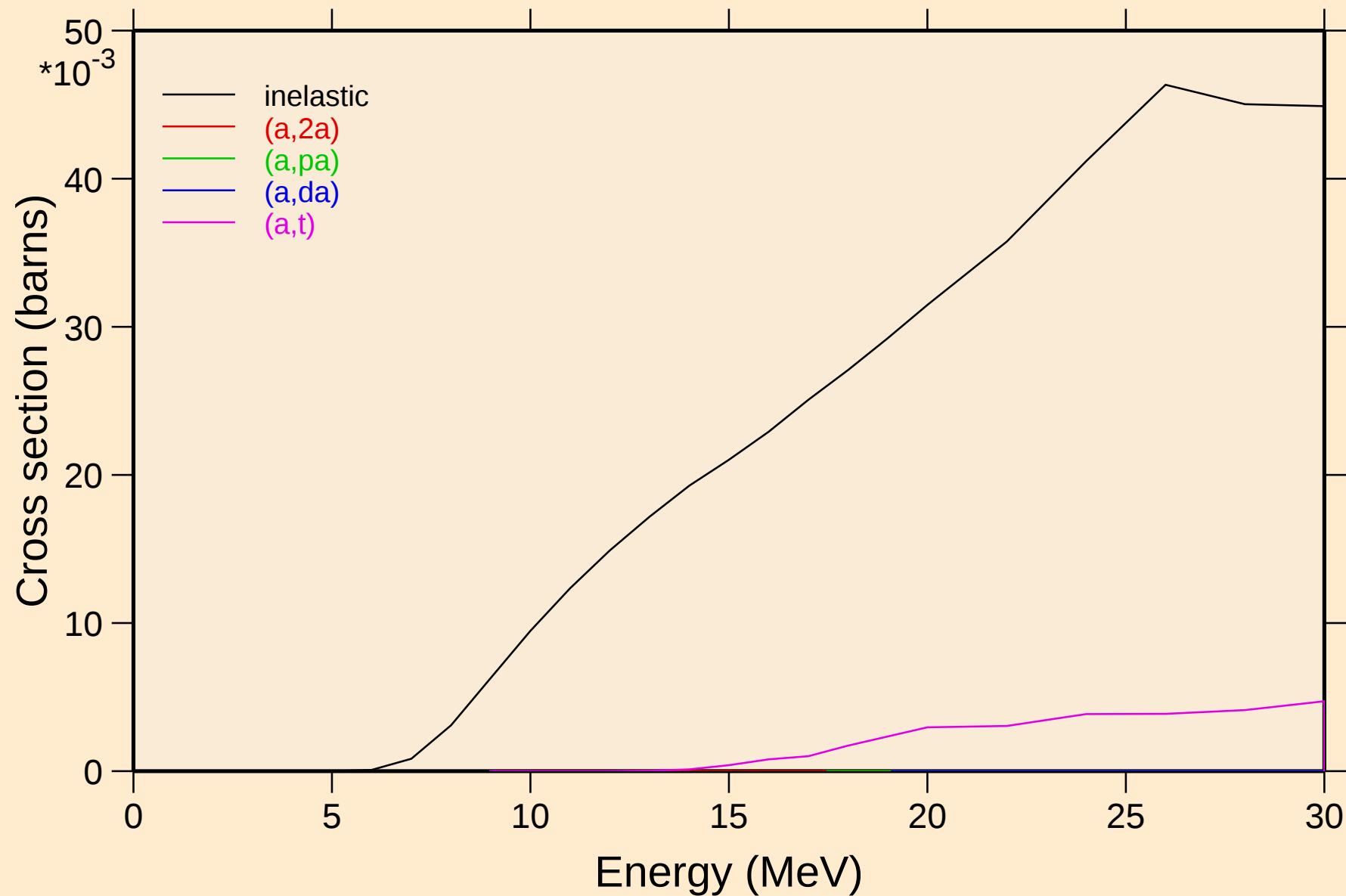
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Threshold reactions



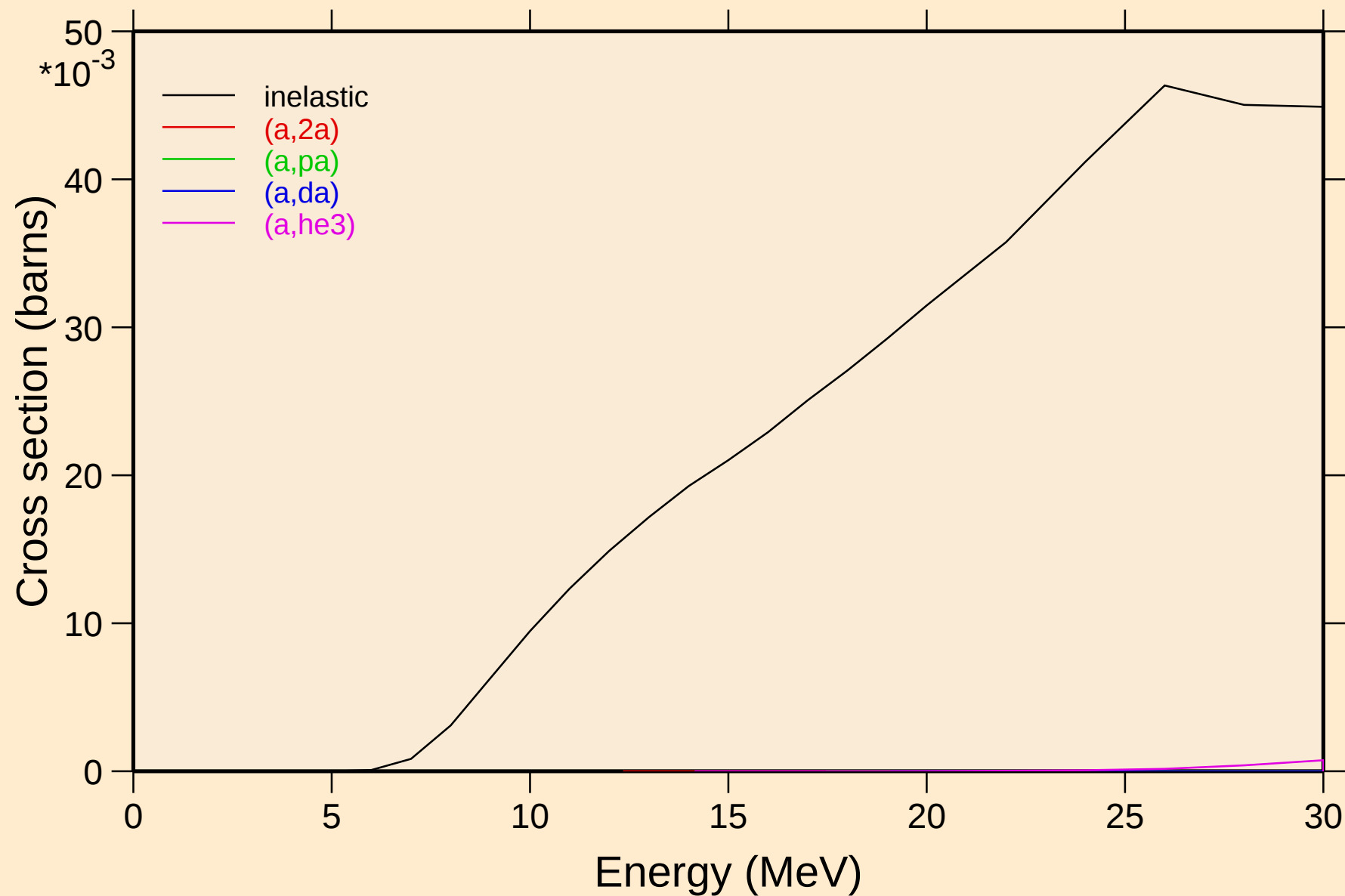
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Threshold reactions



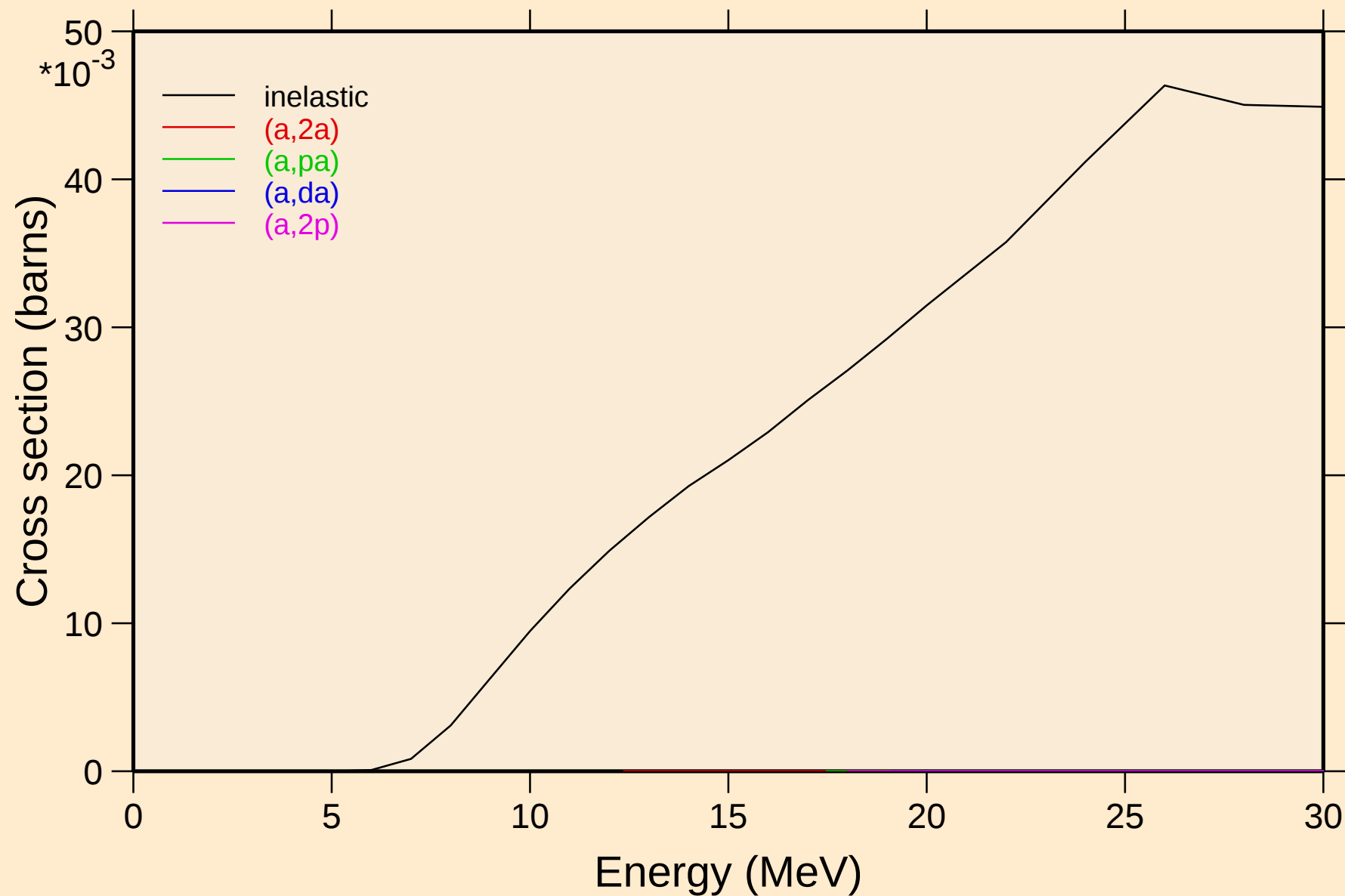
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



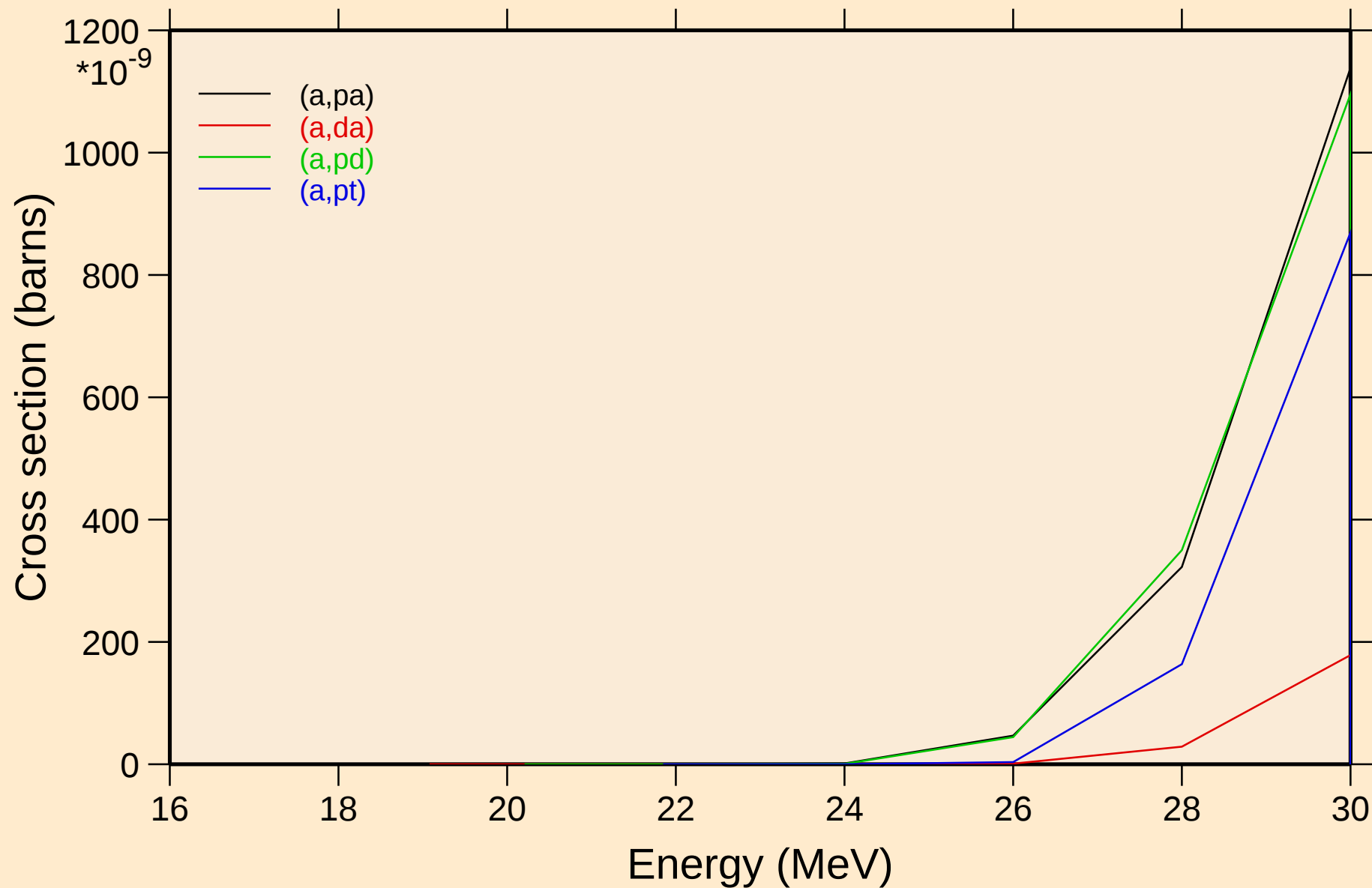
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



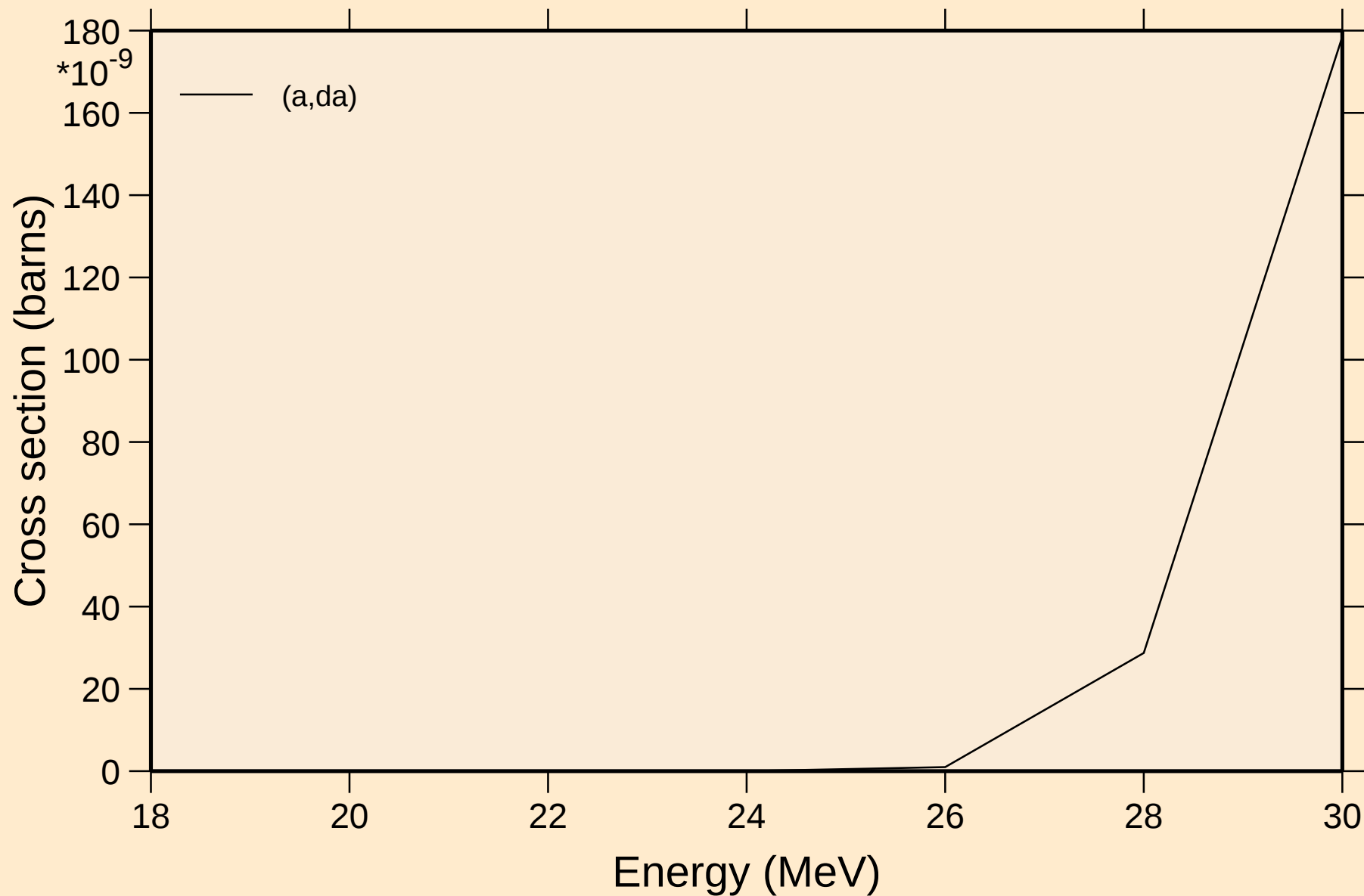
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

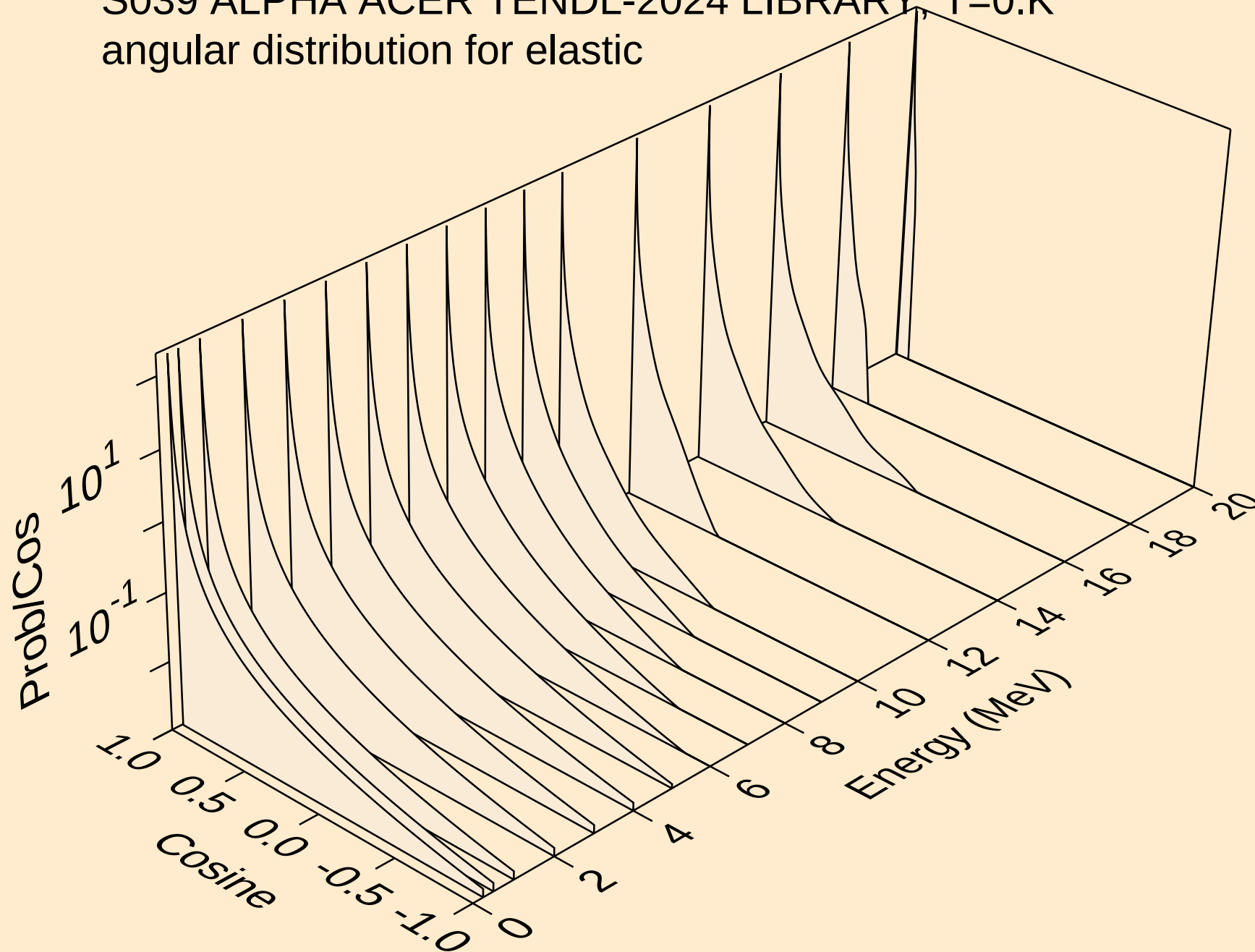


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

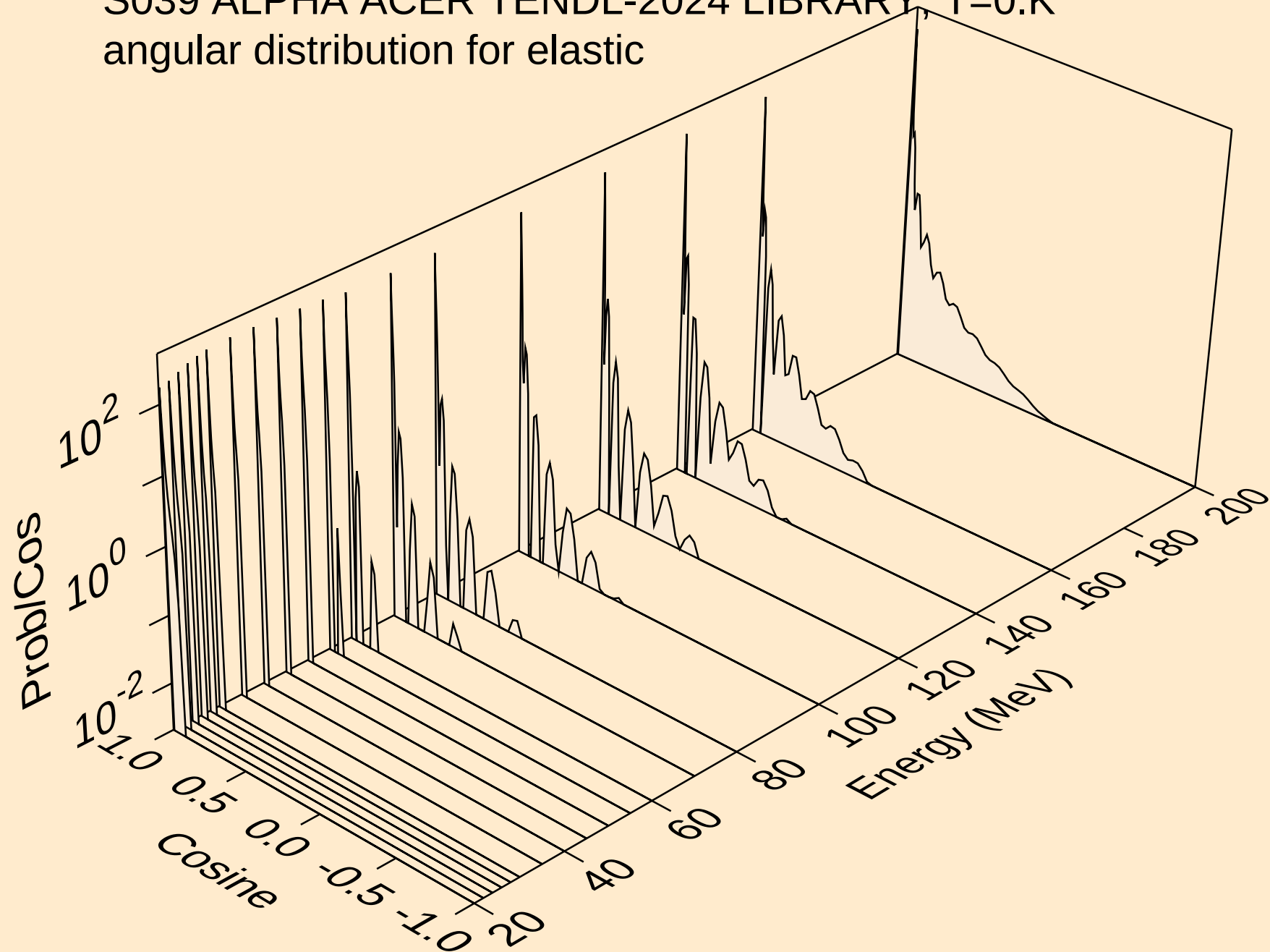
Threshold reactions



S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic

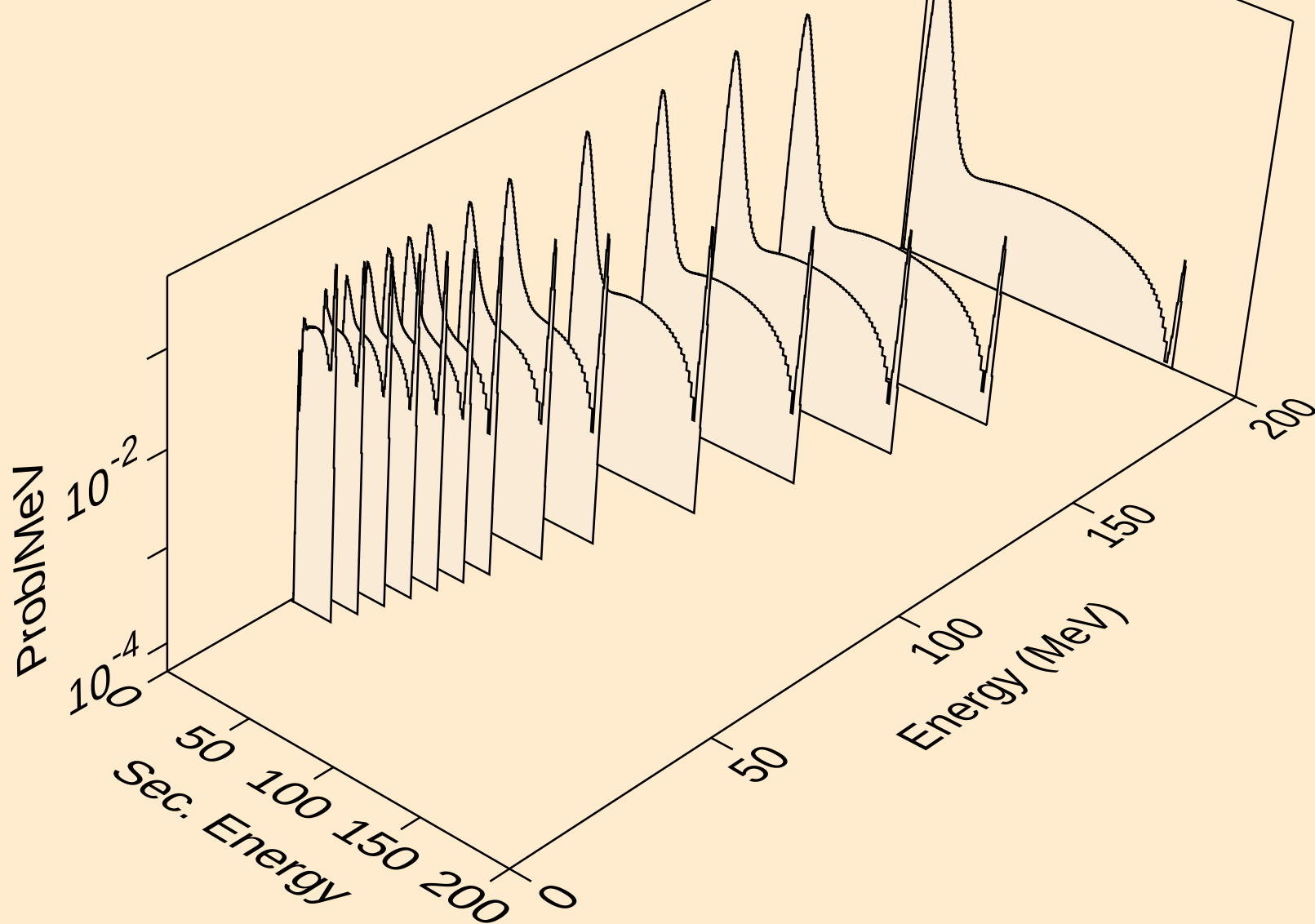


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



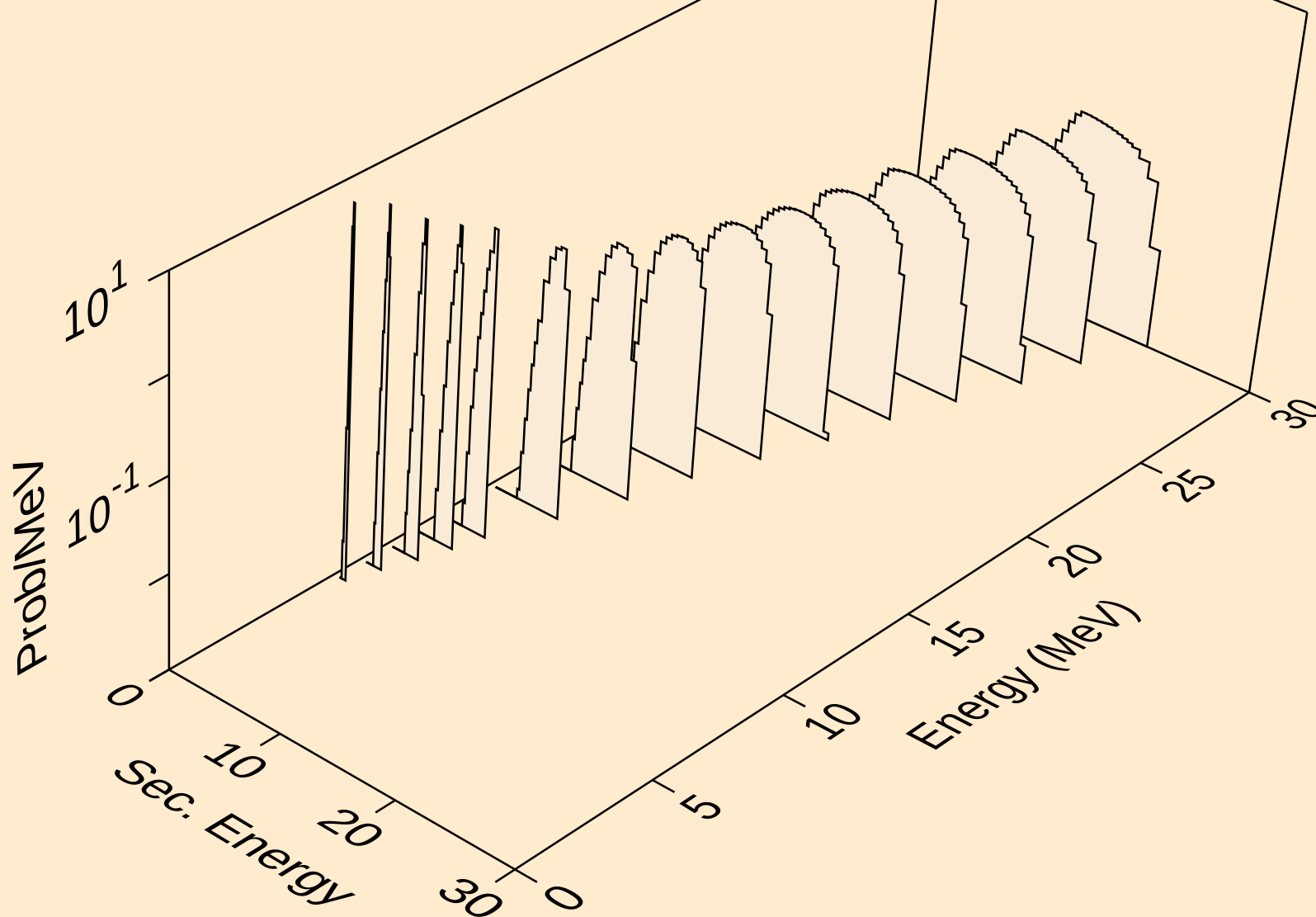
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,x)



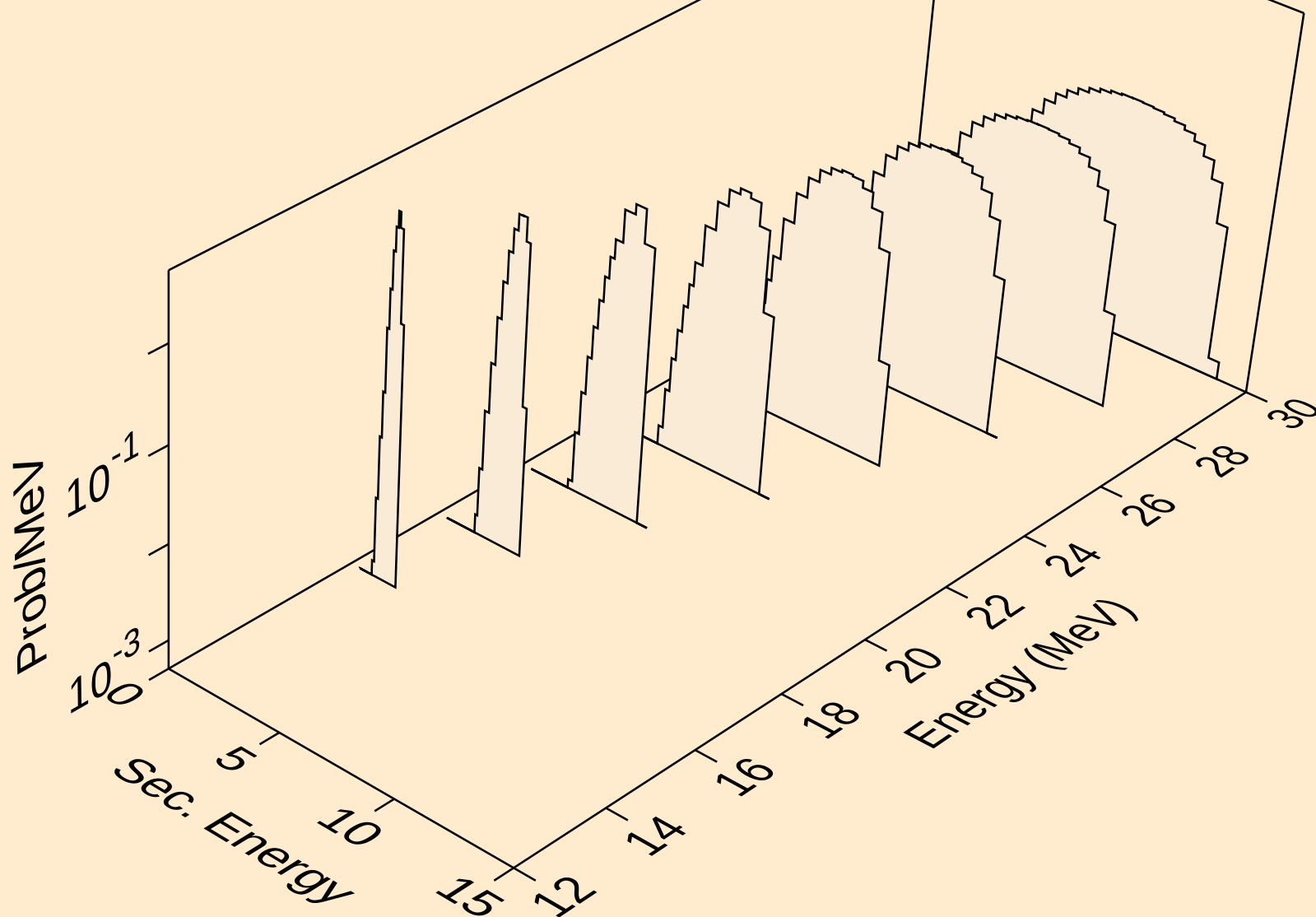
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n*)a



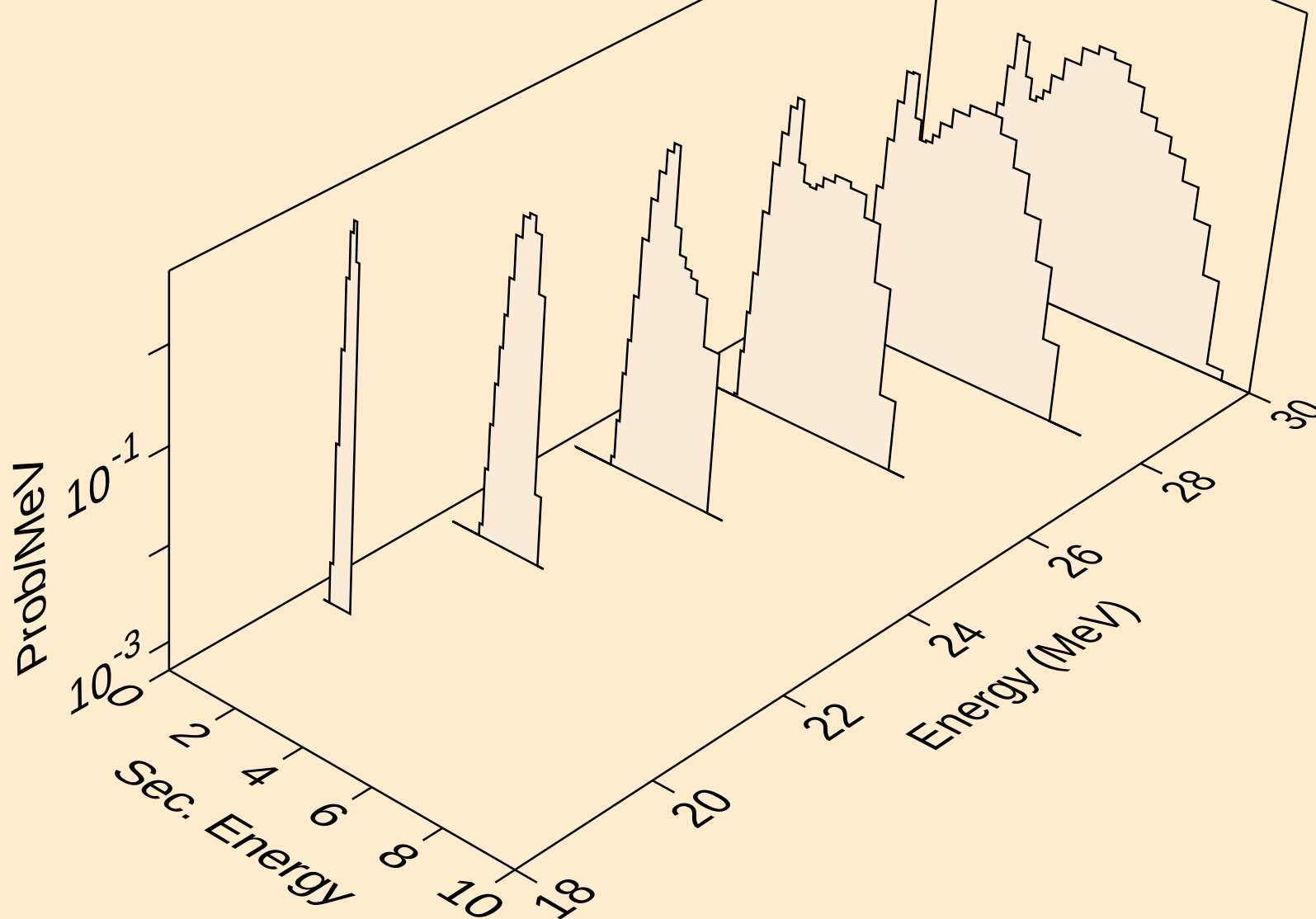
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2n)a



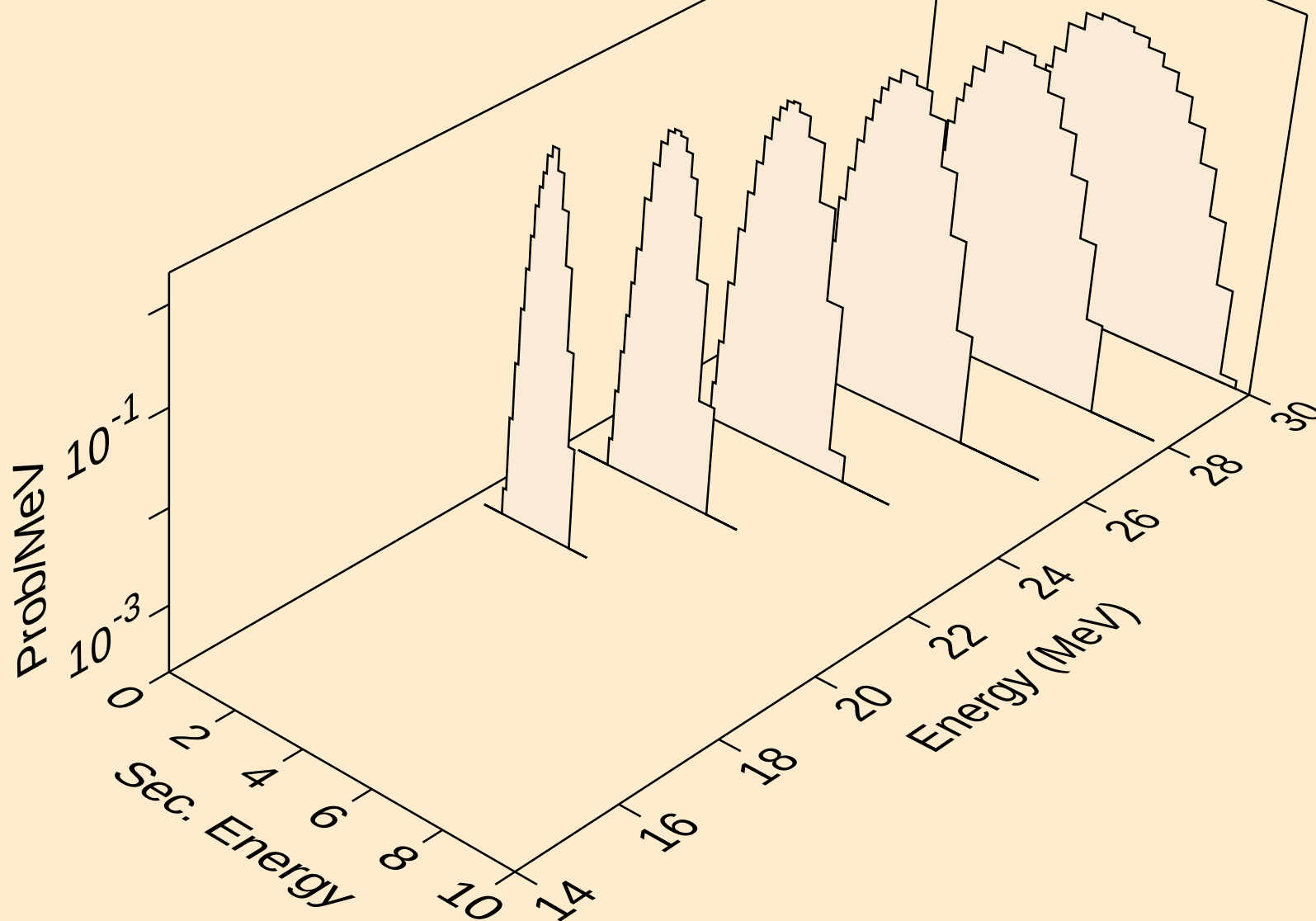
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,3n)a



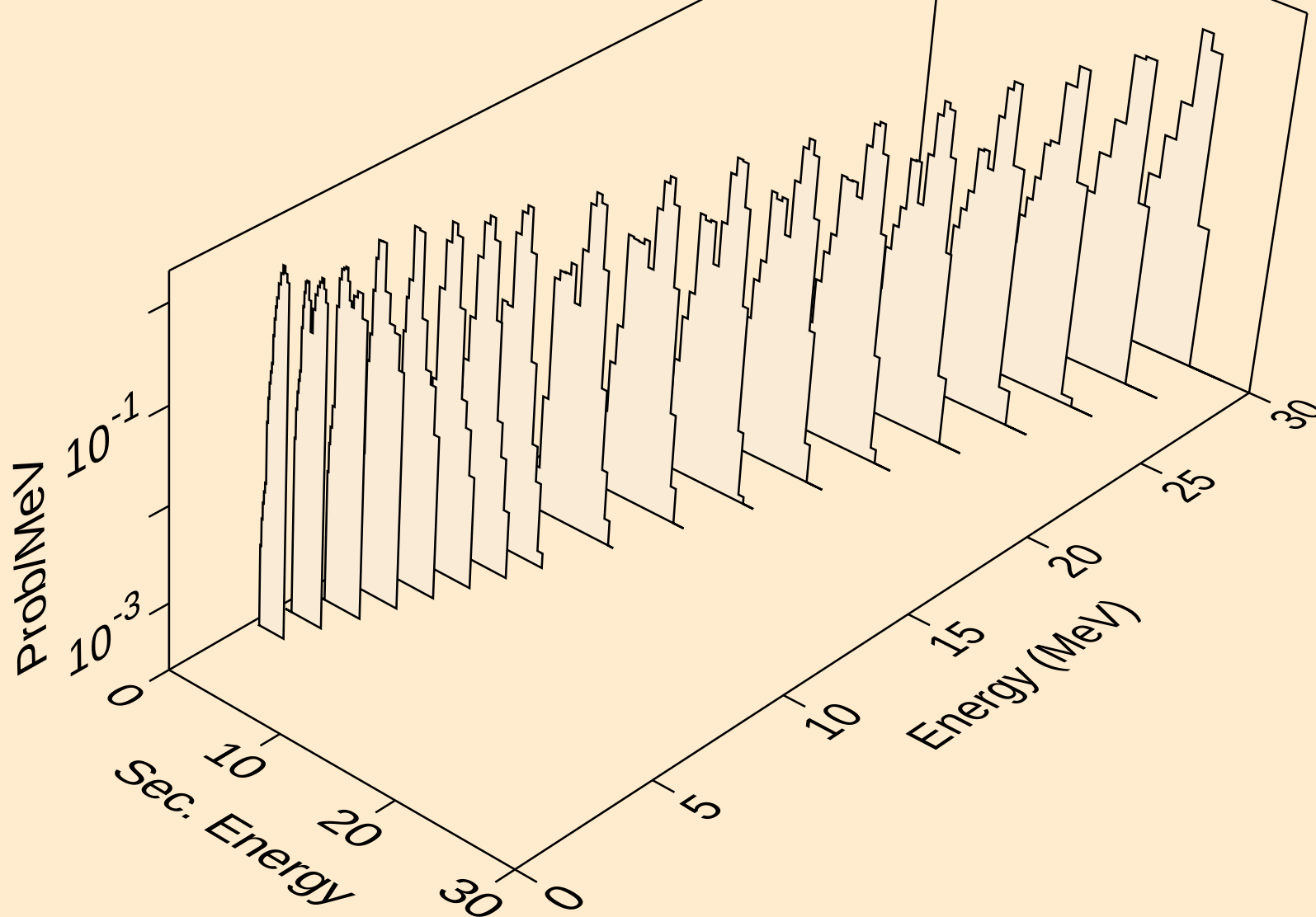
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,n*)2a



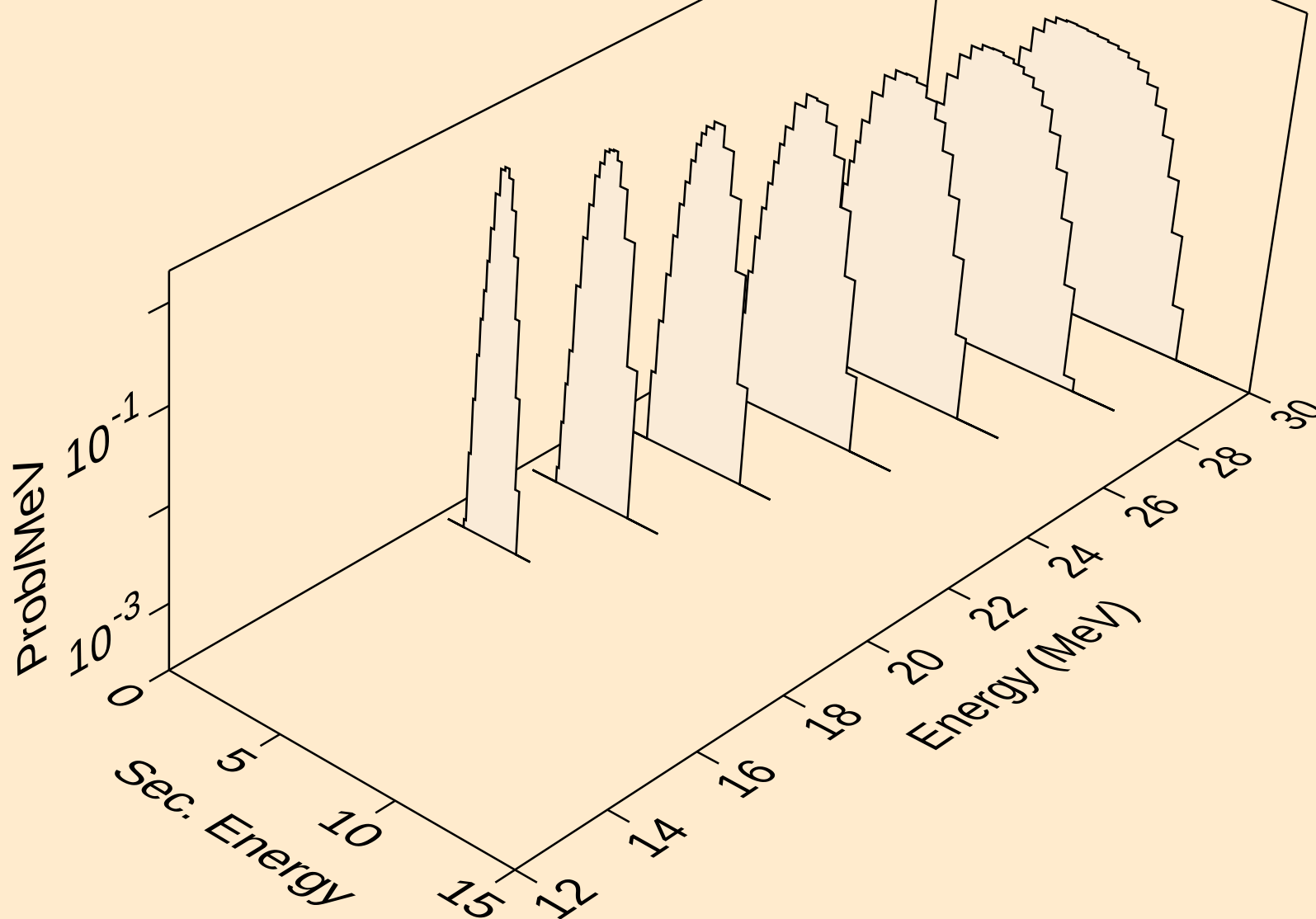
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for inelastic



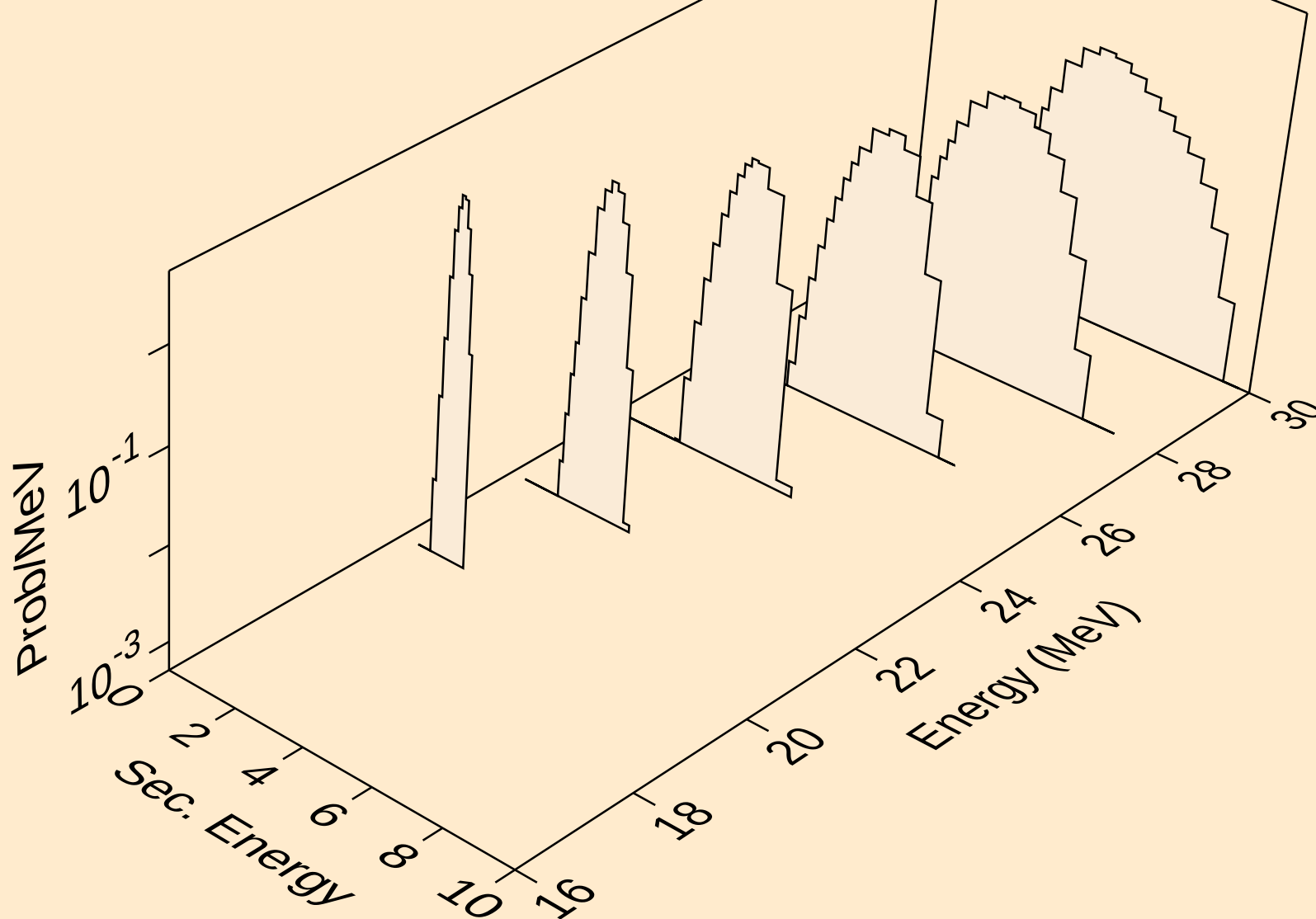
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,2a)

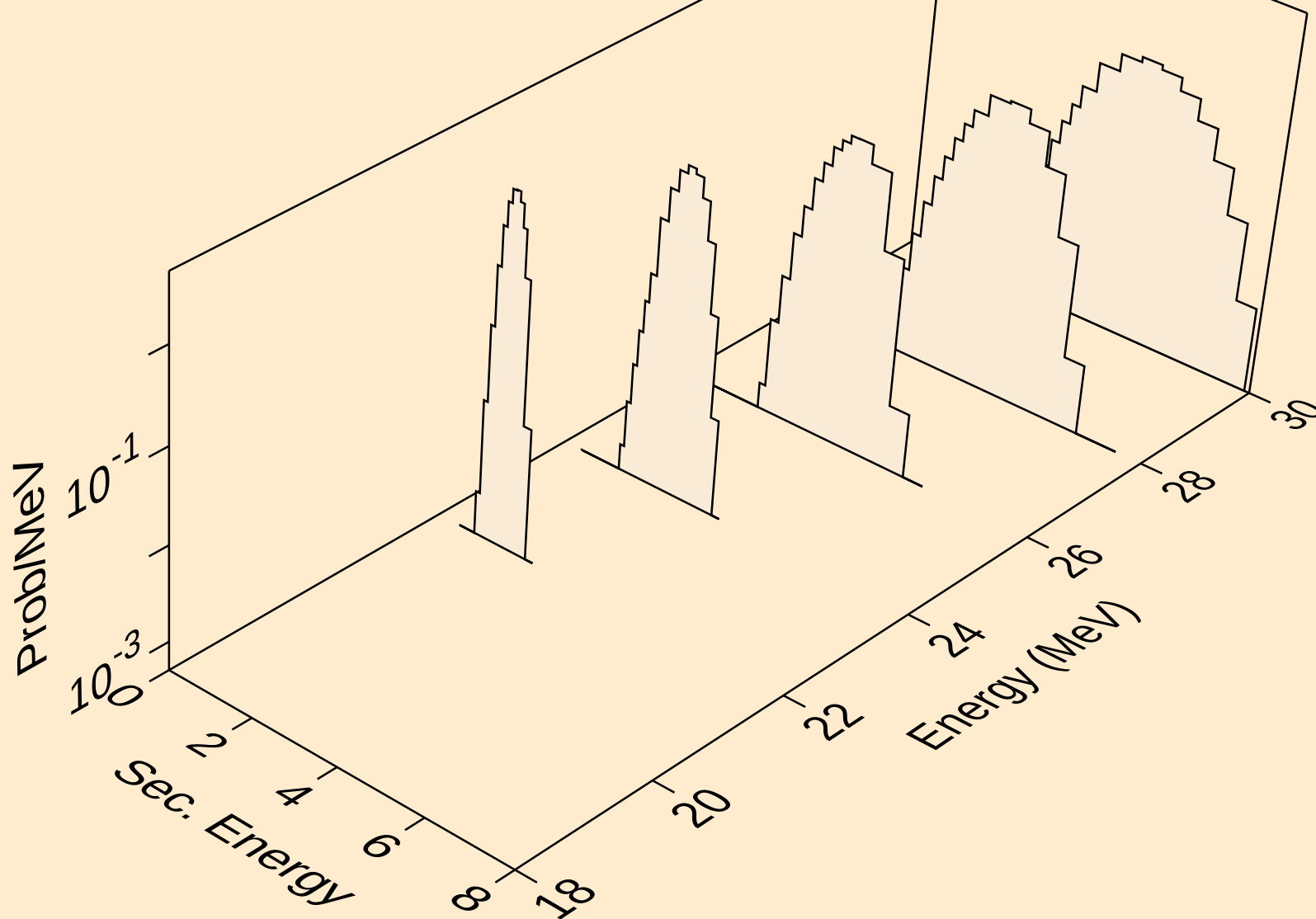


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Alpha emission for (a,pa)

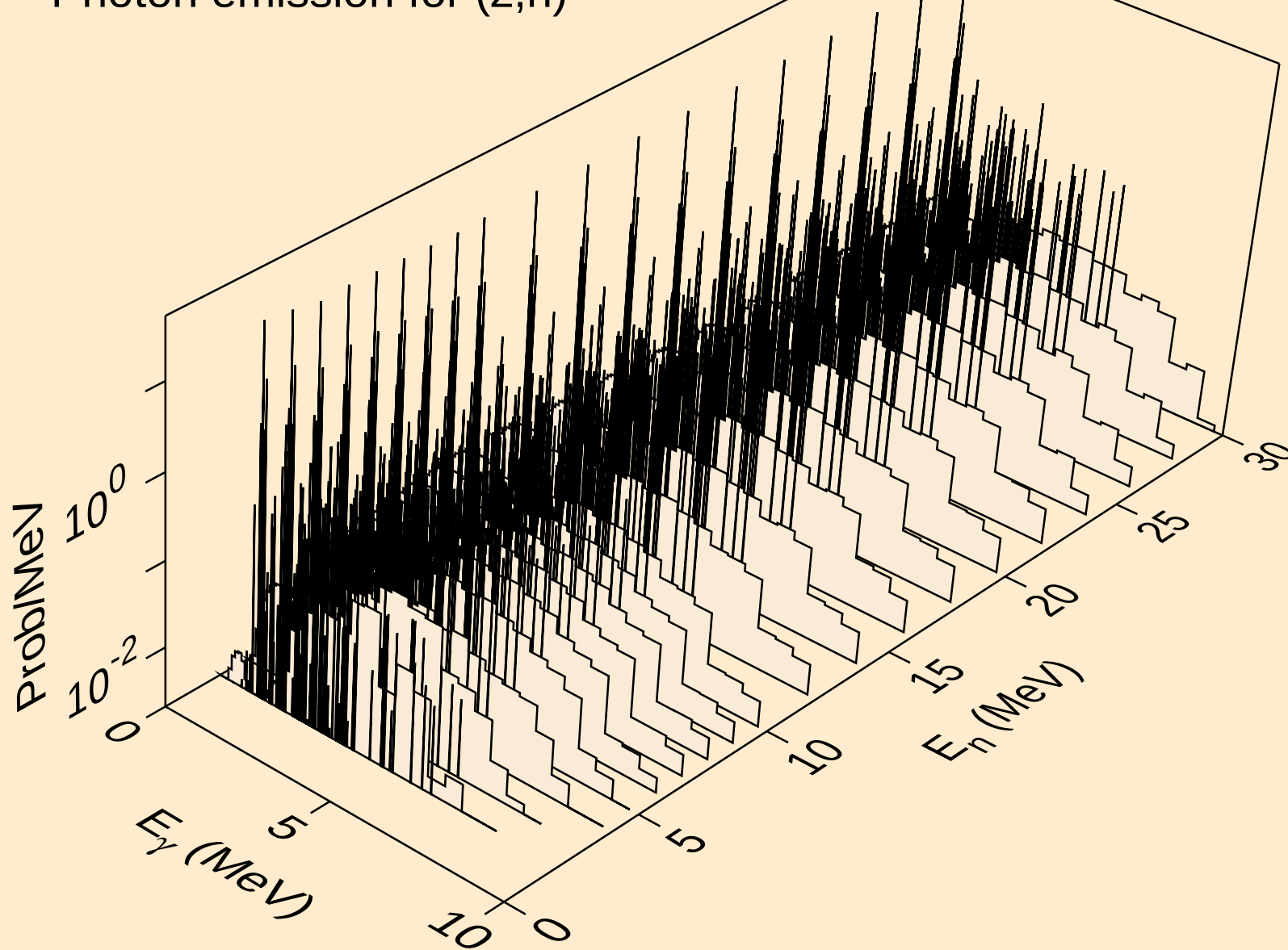


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Alpha emission for (a,da)



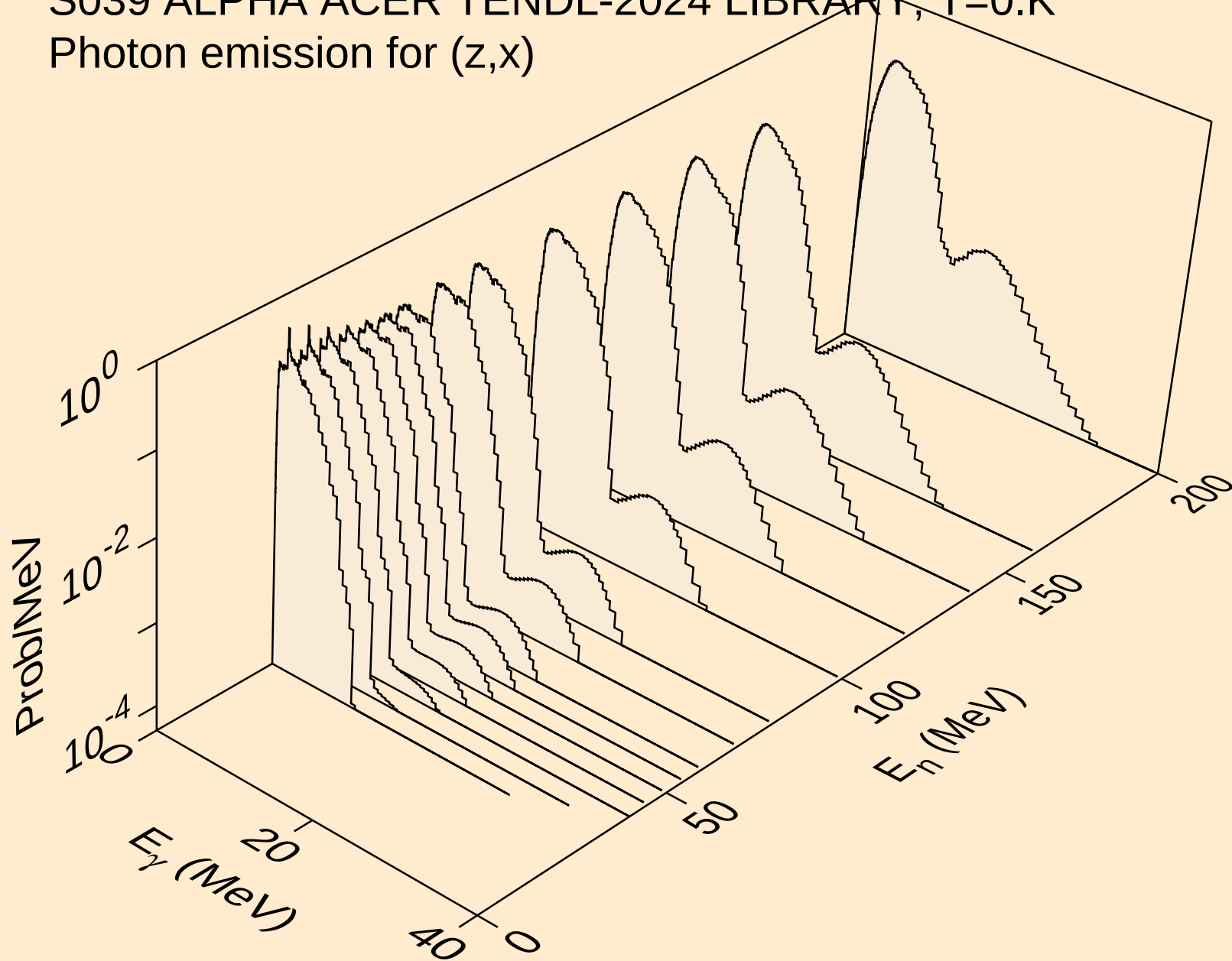
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$

Photon emission for (z,n)

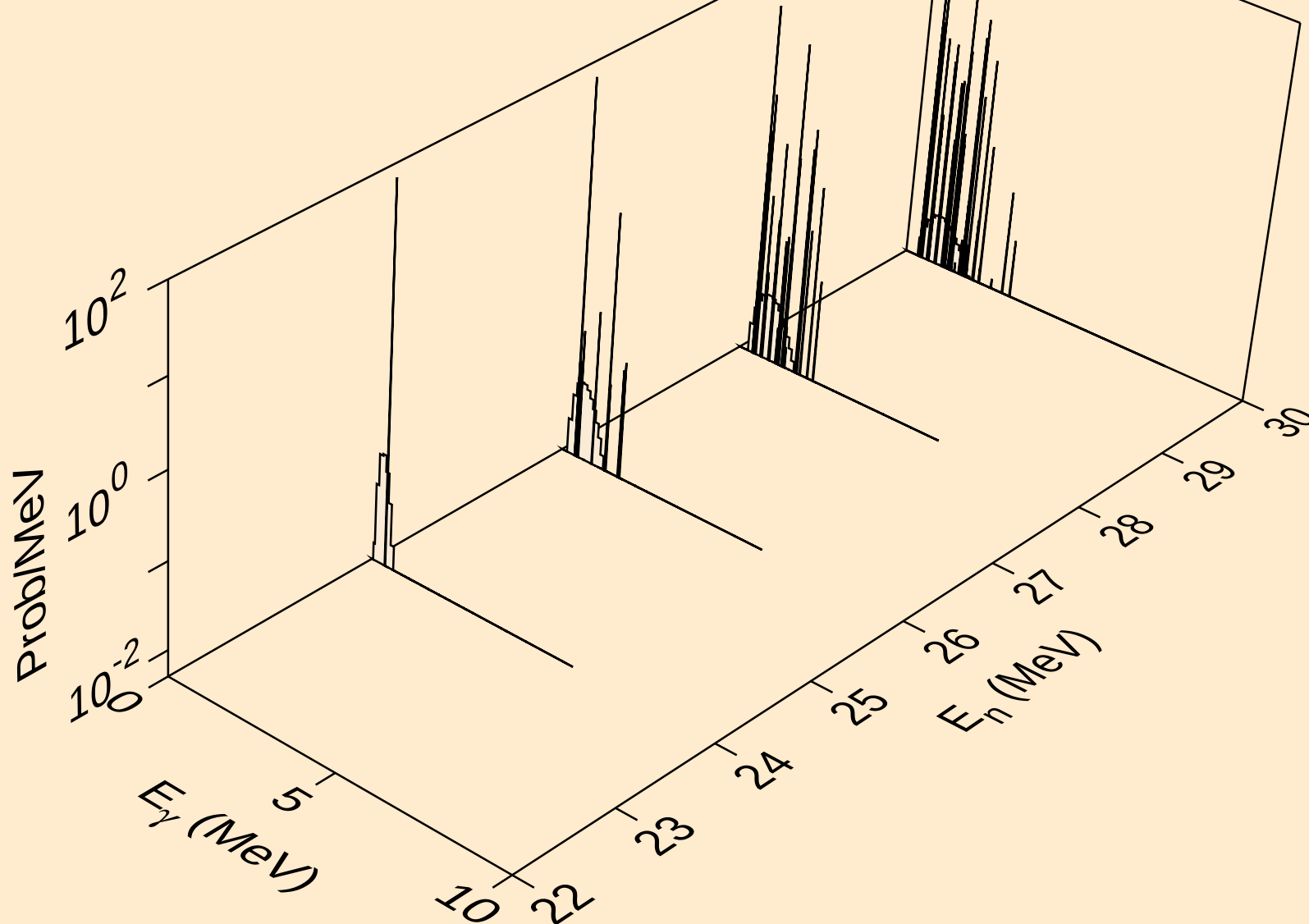


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

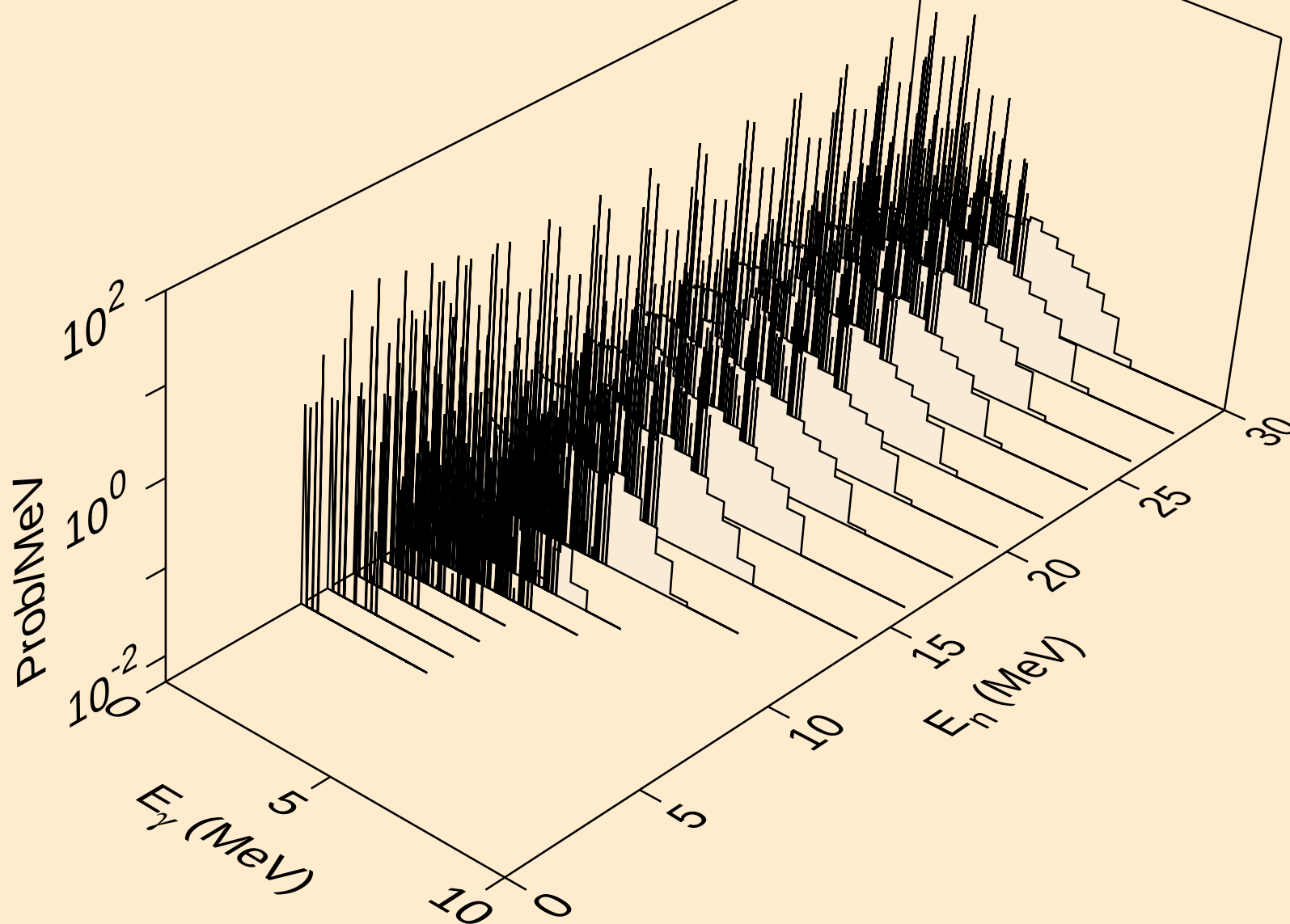
Photon emission for (z,x)



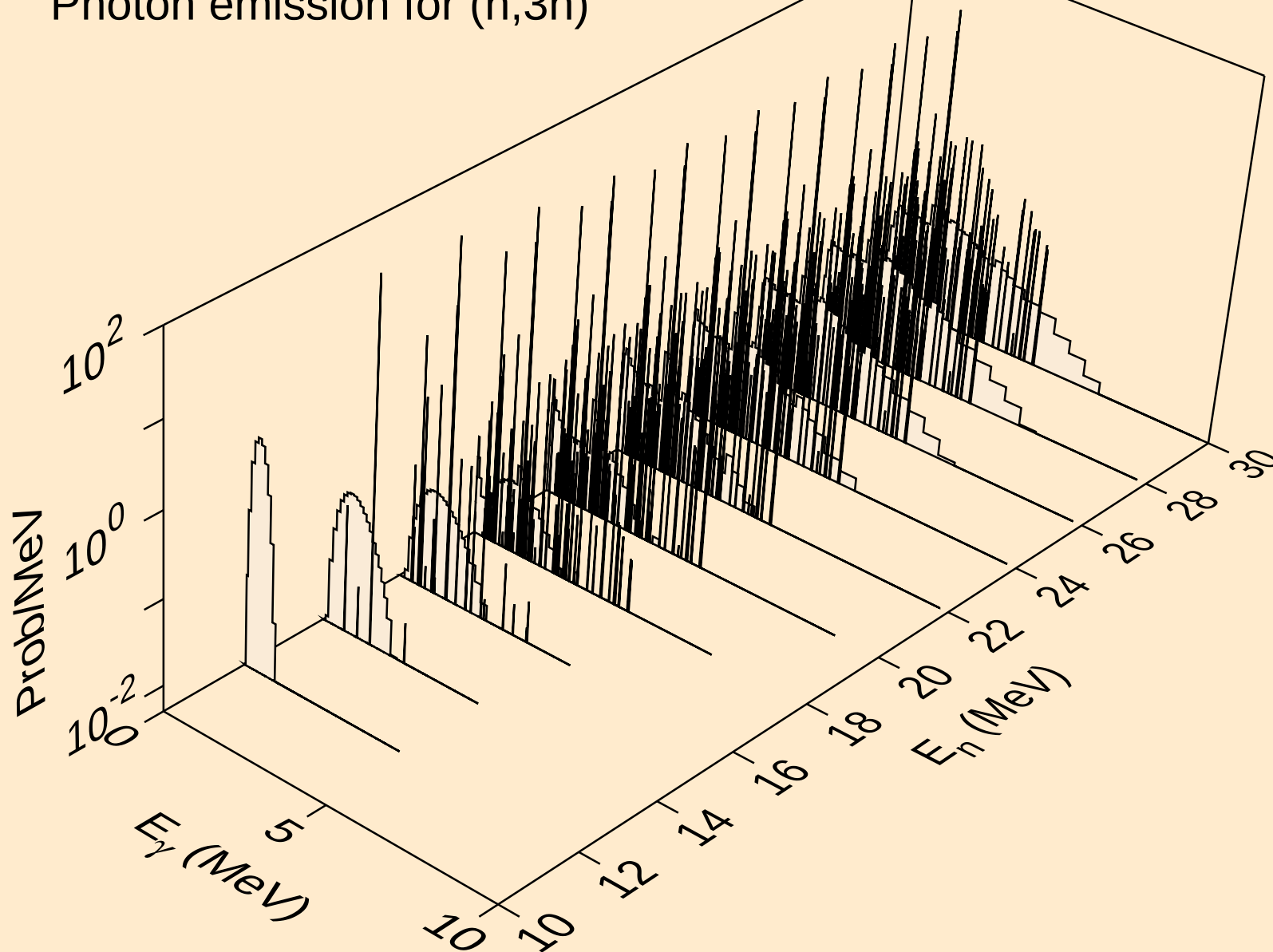
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2n)

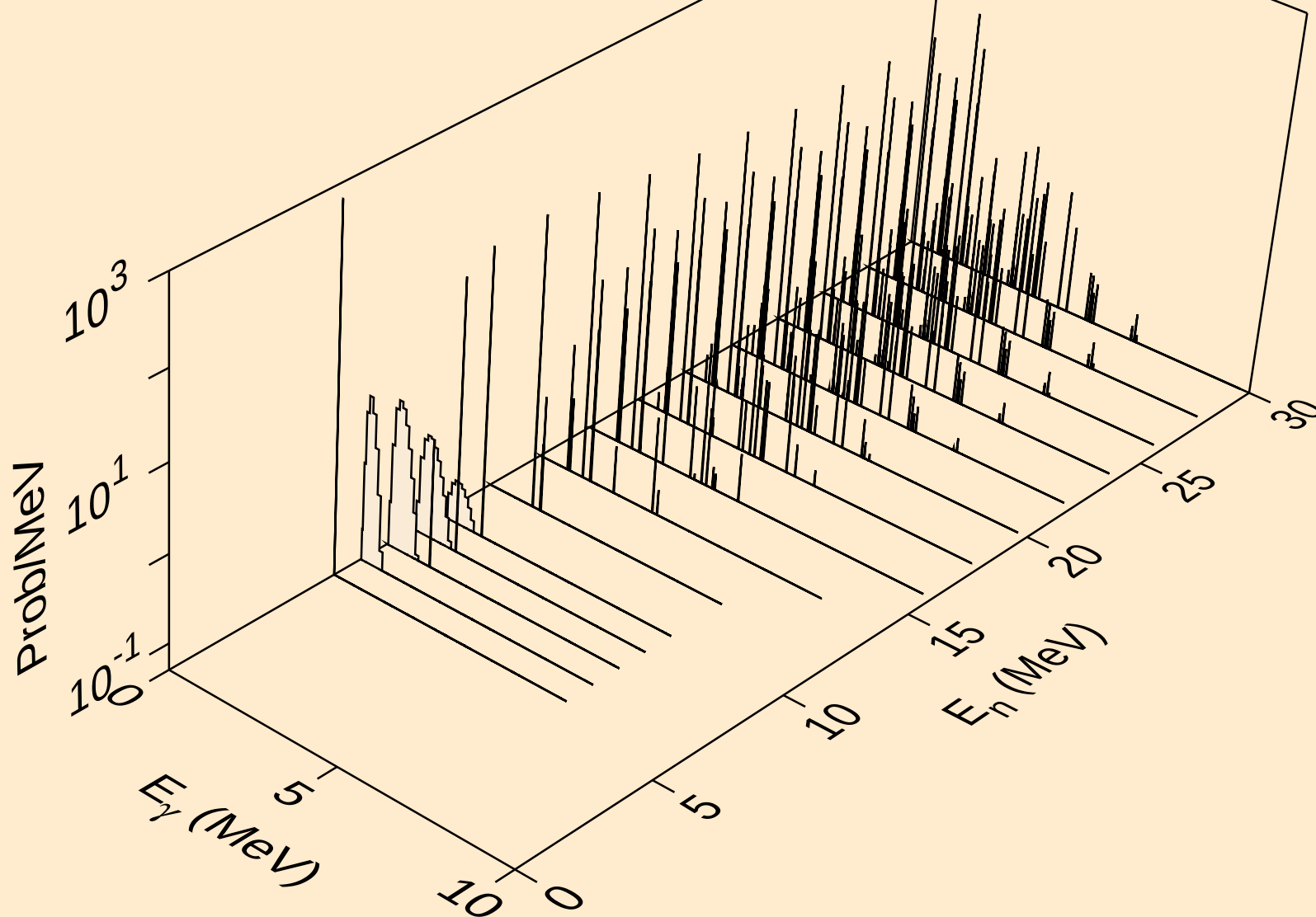


S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,3n)



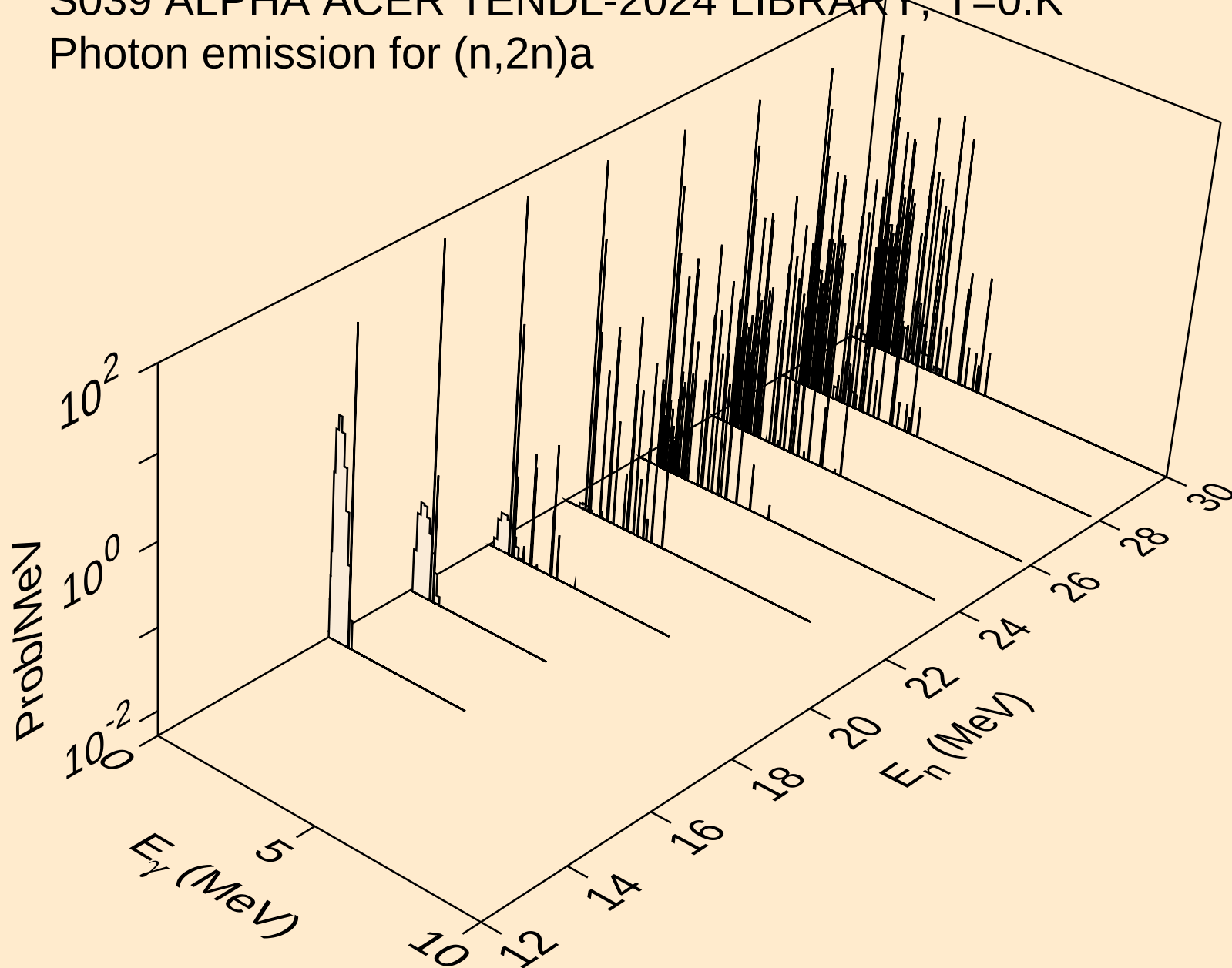
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)a



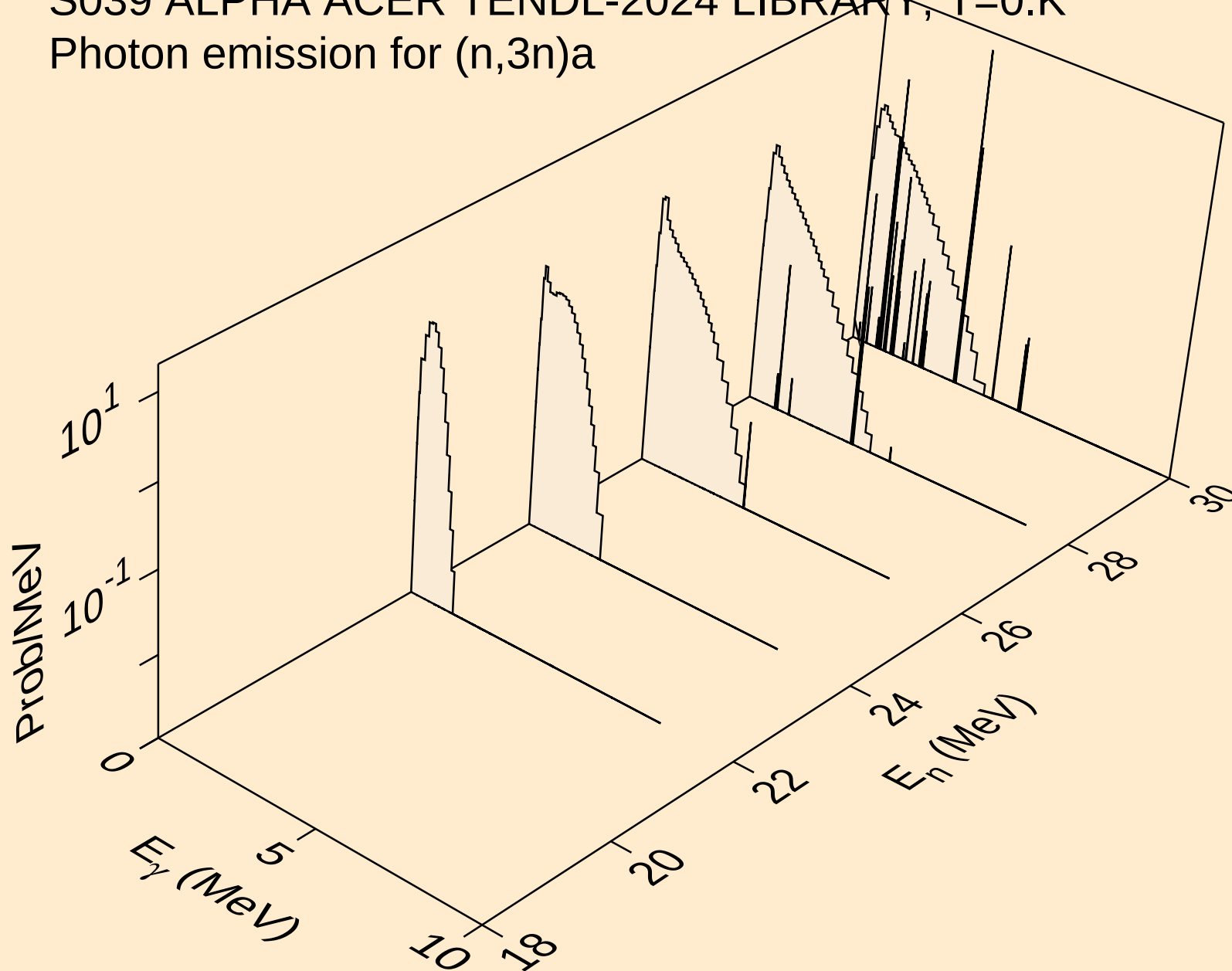
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) α



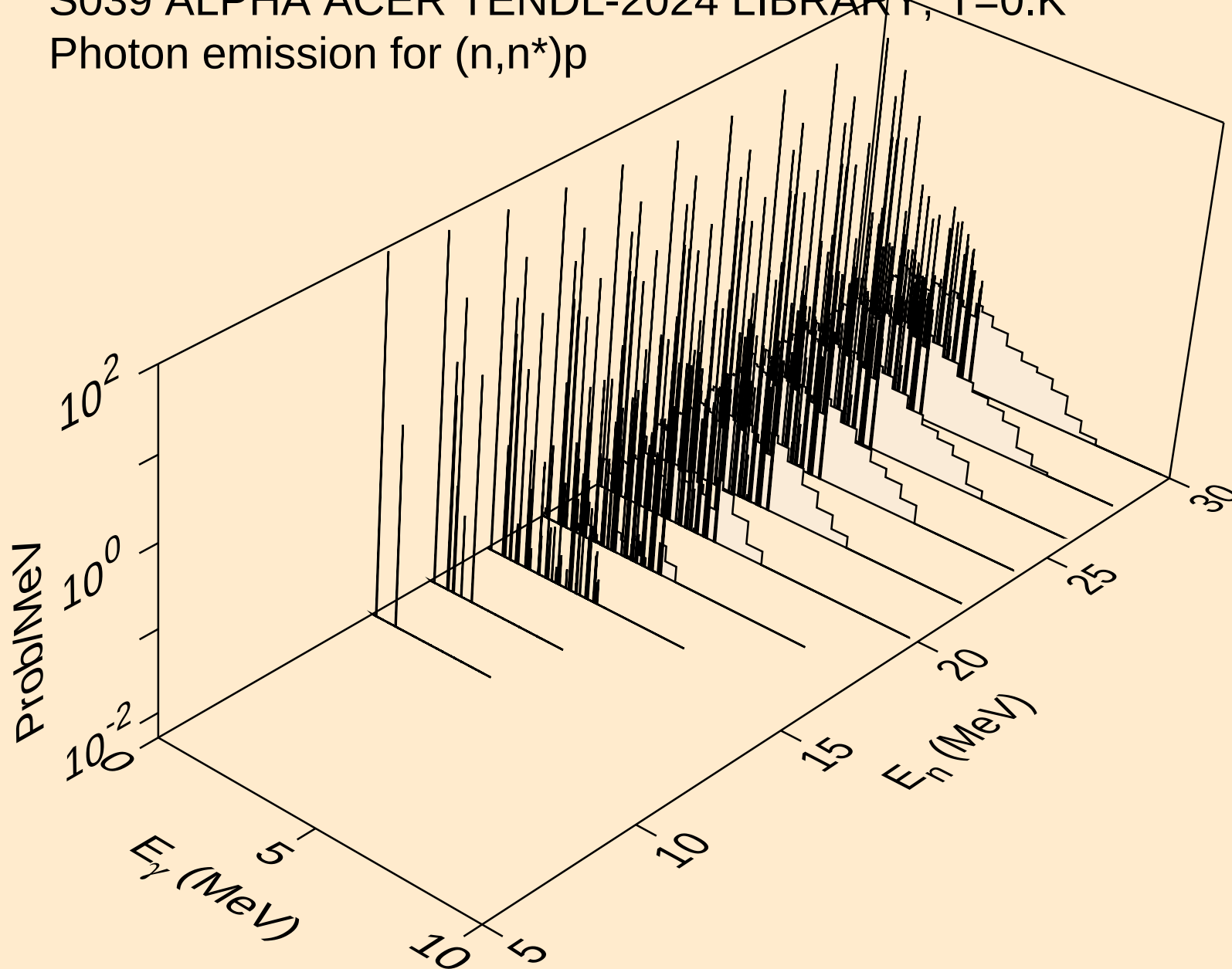
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n) α



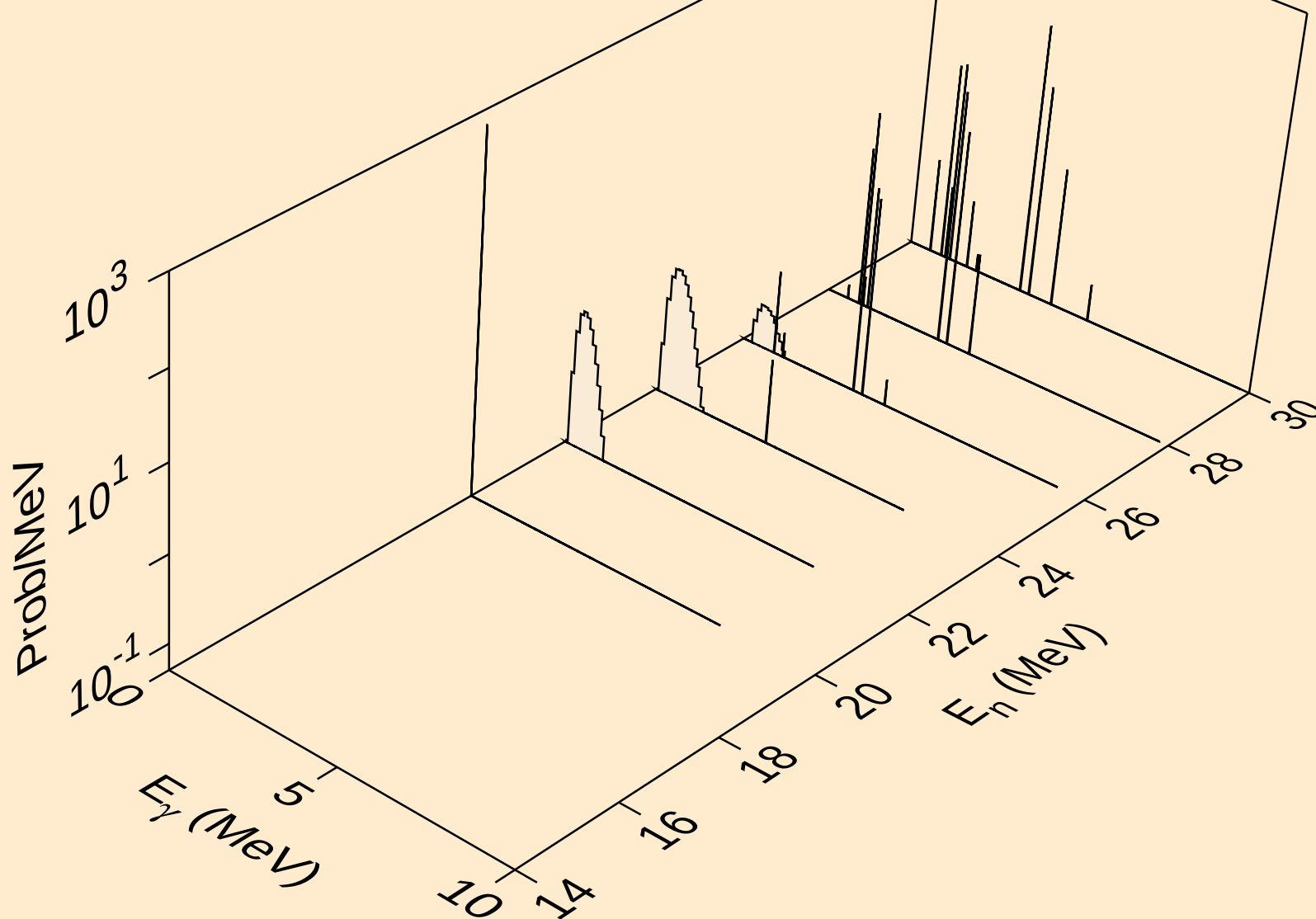
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)p



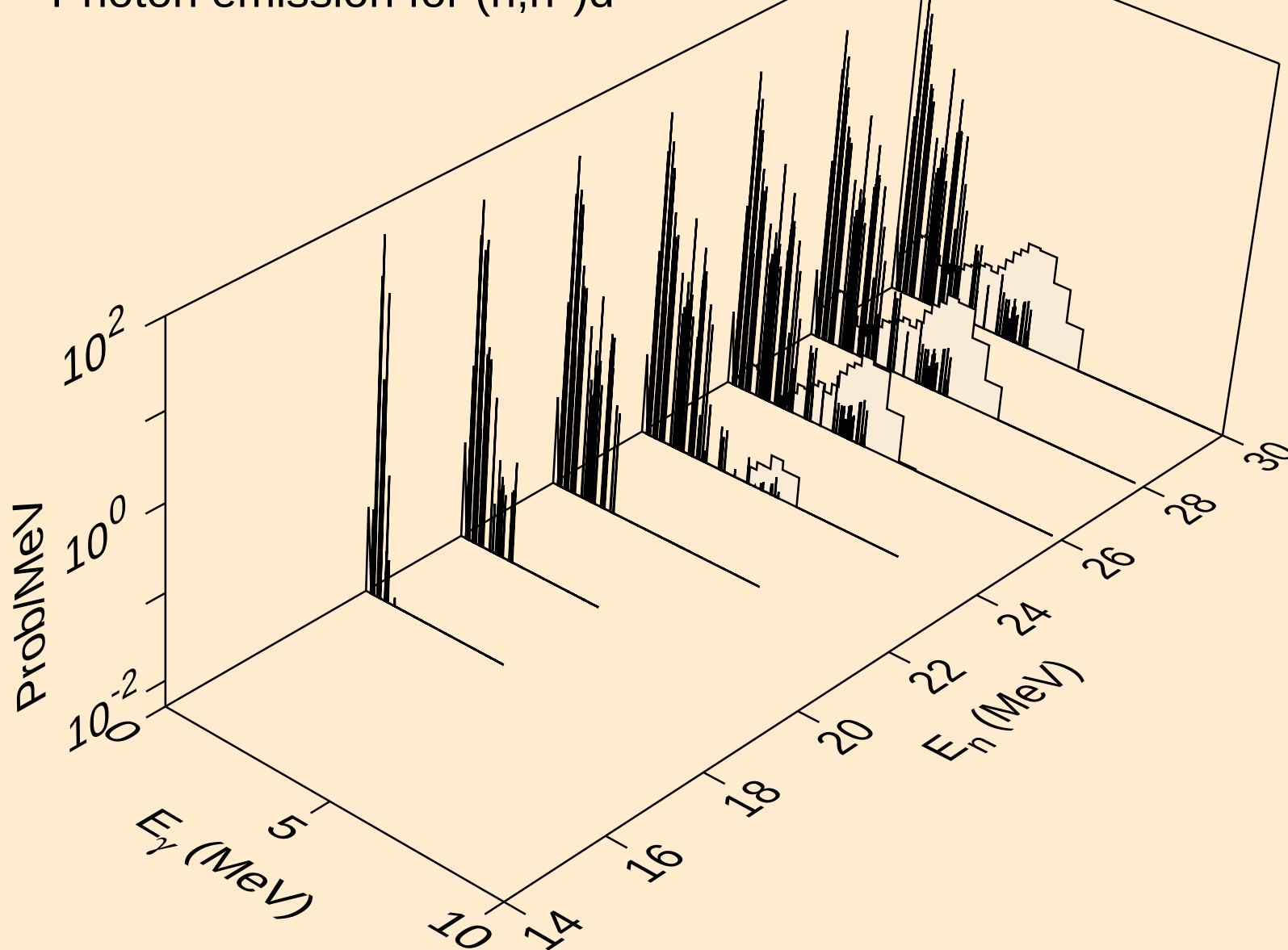
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)2a



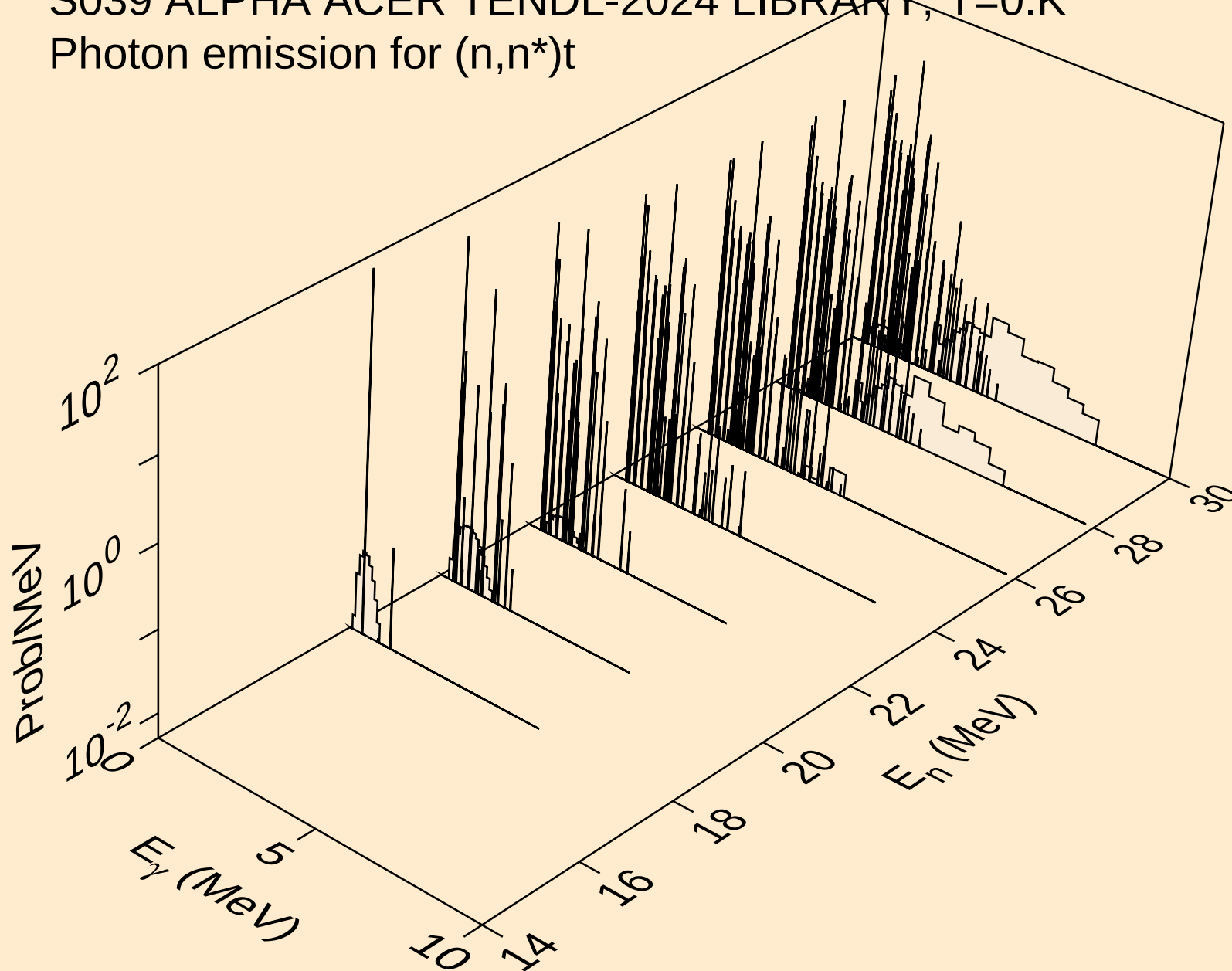
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n*)d

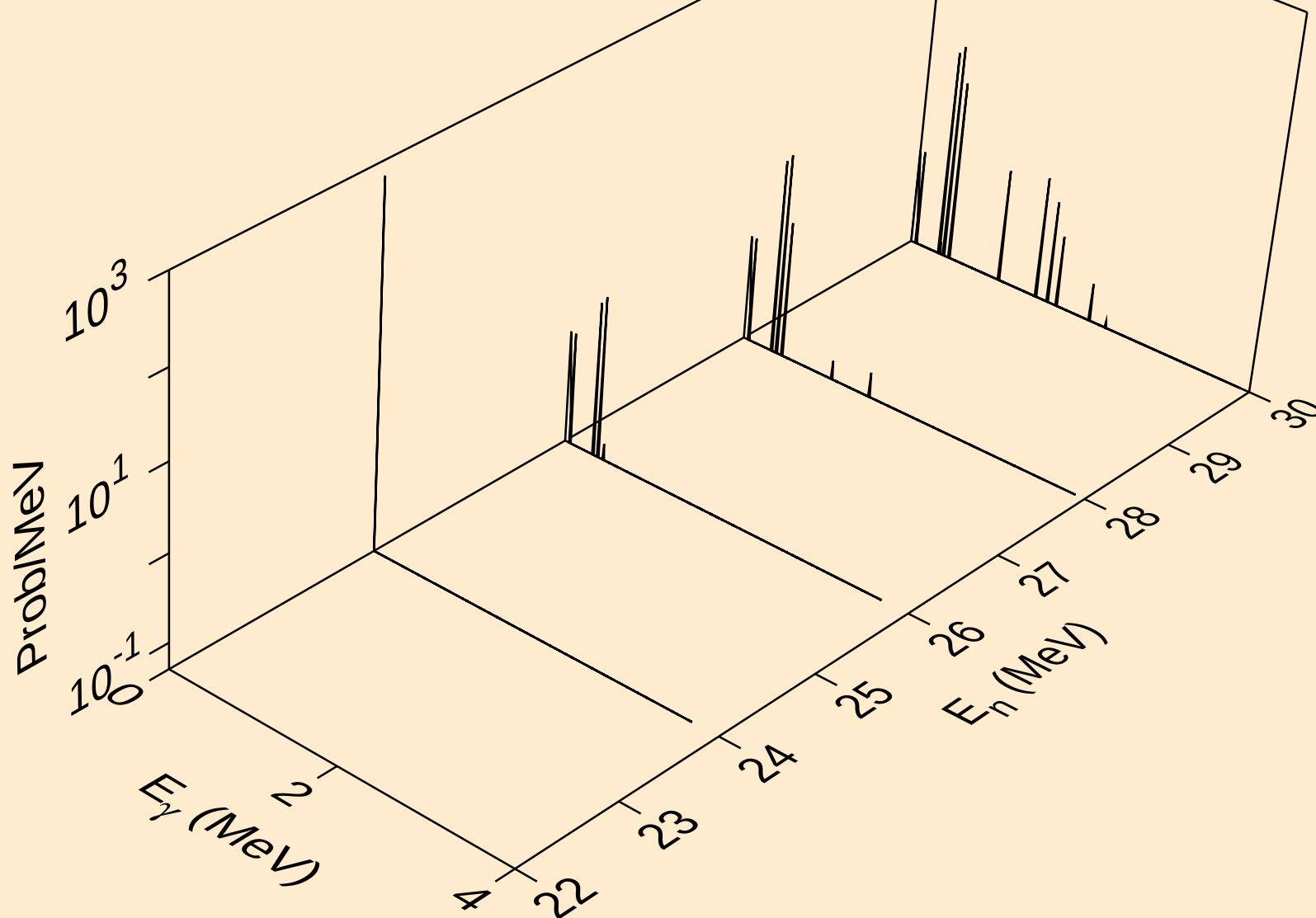


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

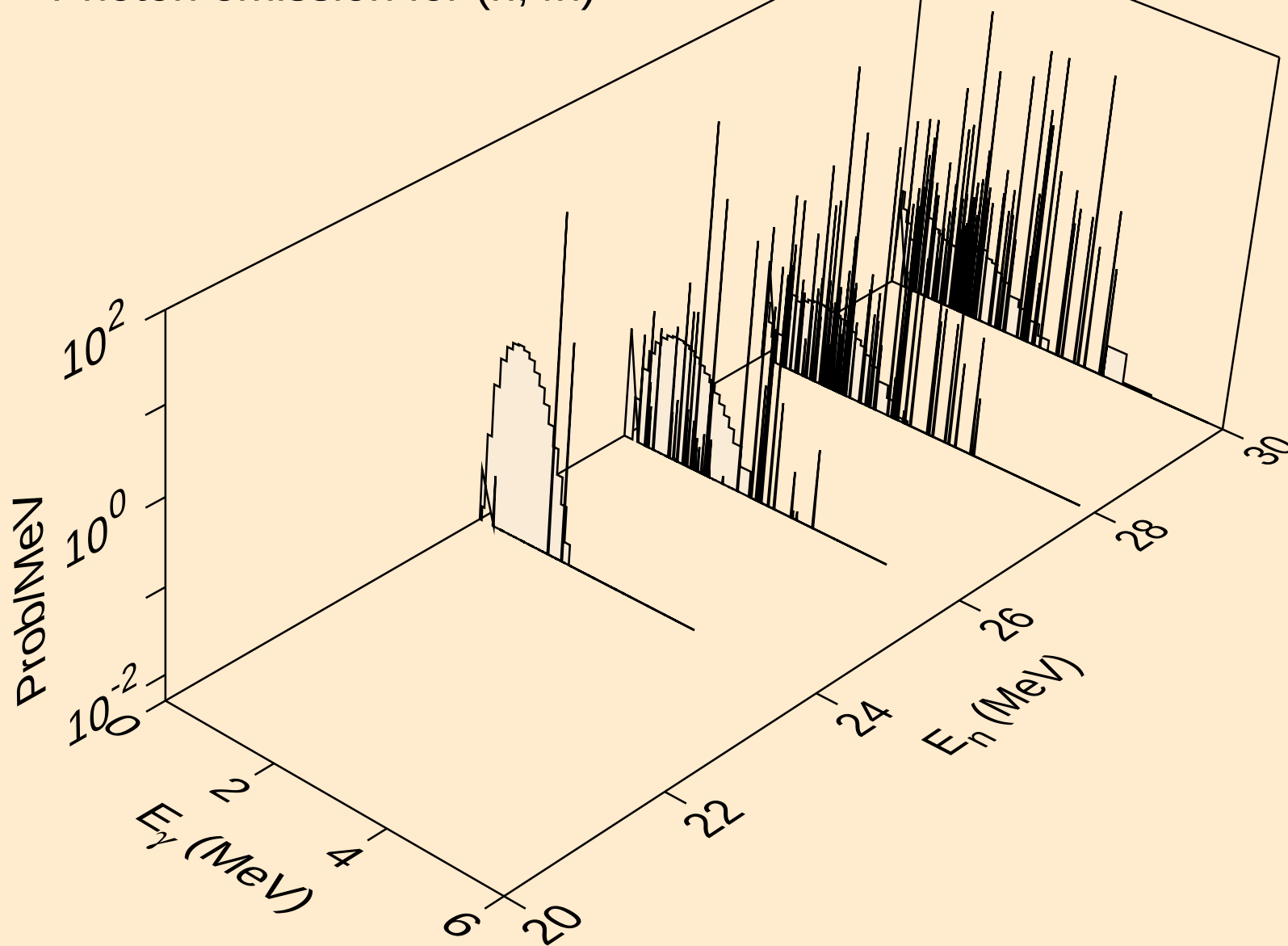
Photon emission for (n,n*)t



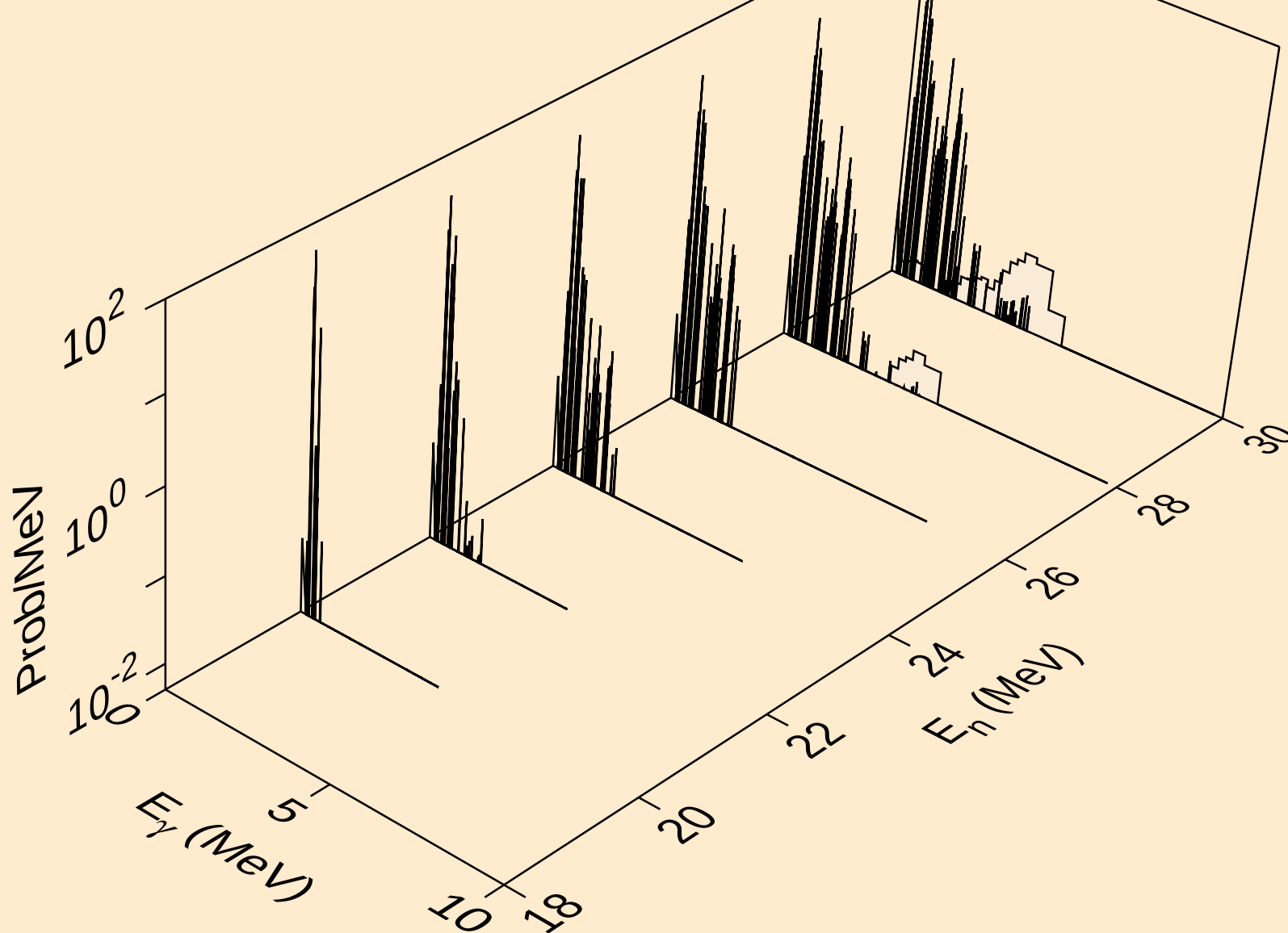
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3



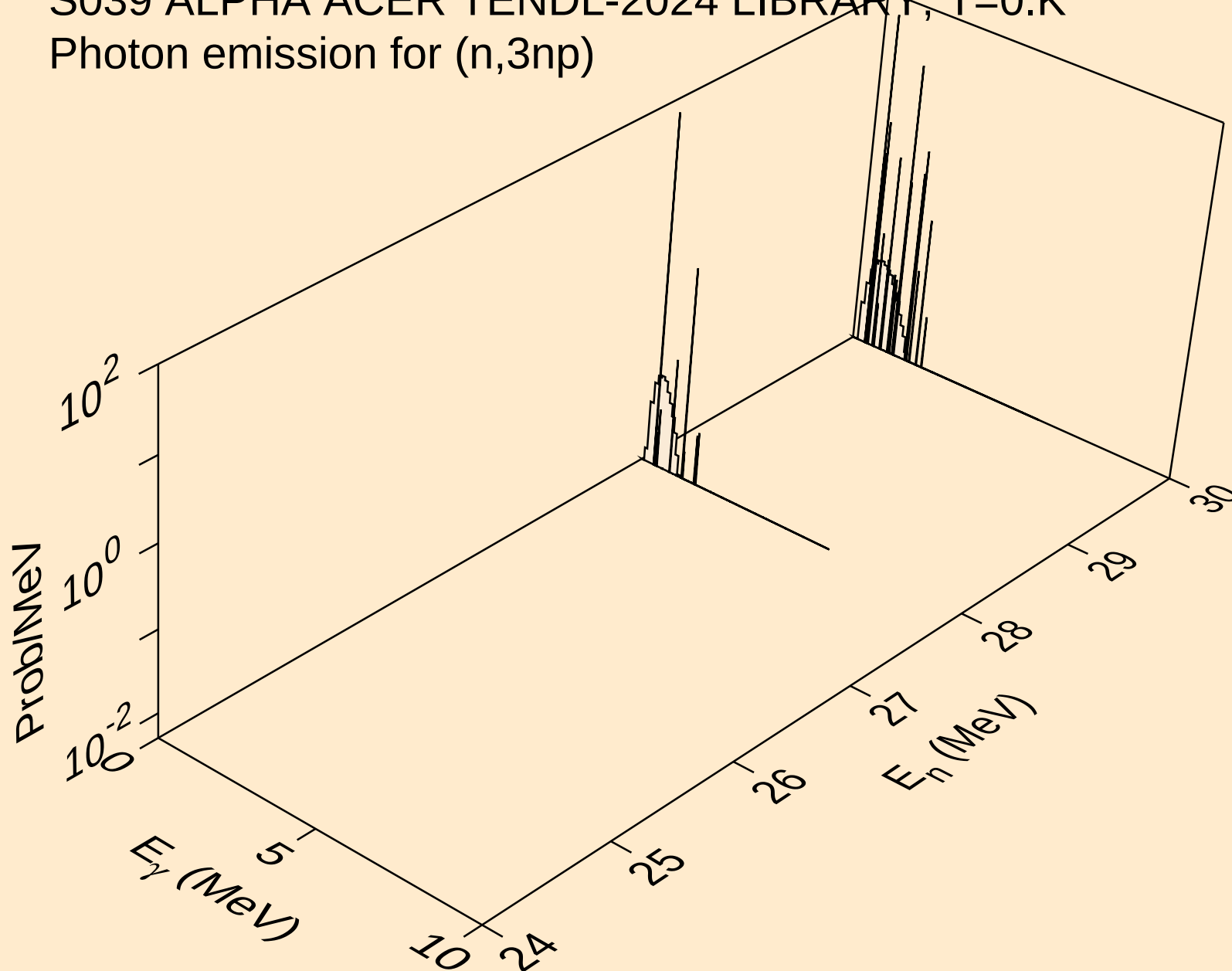
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,4n)



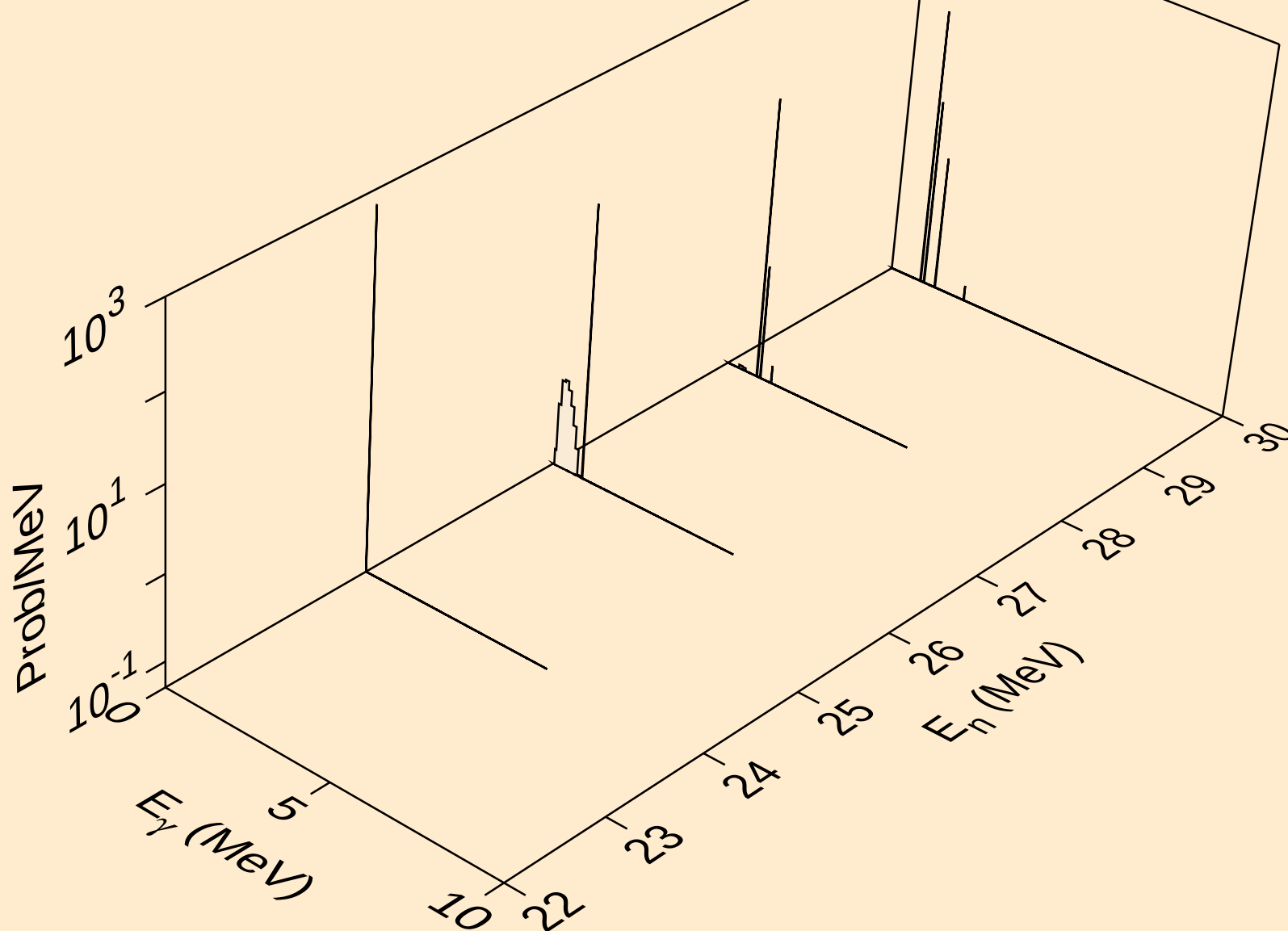
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2np)



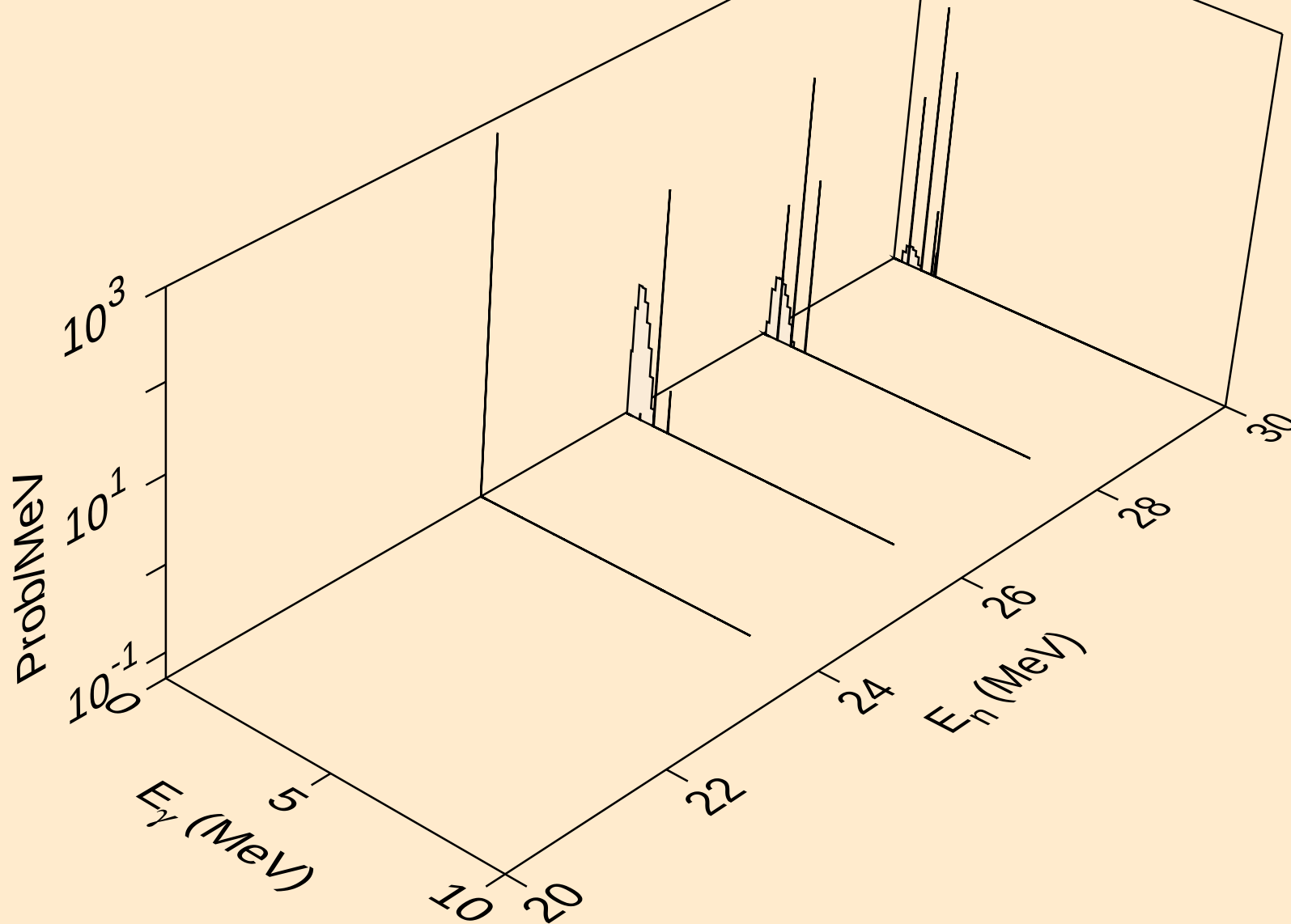
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)



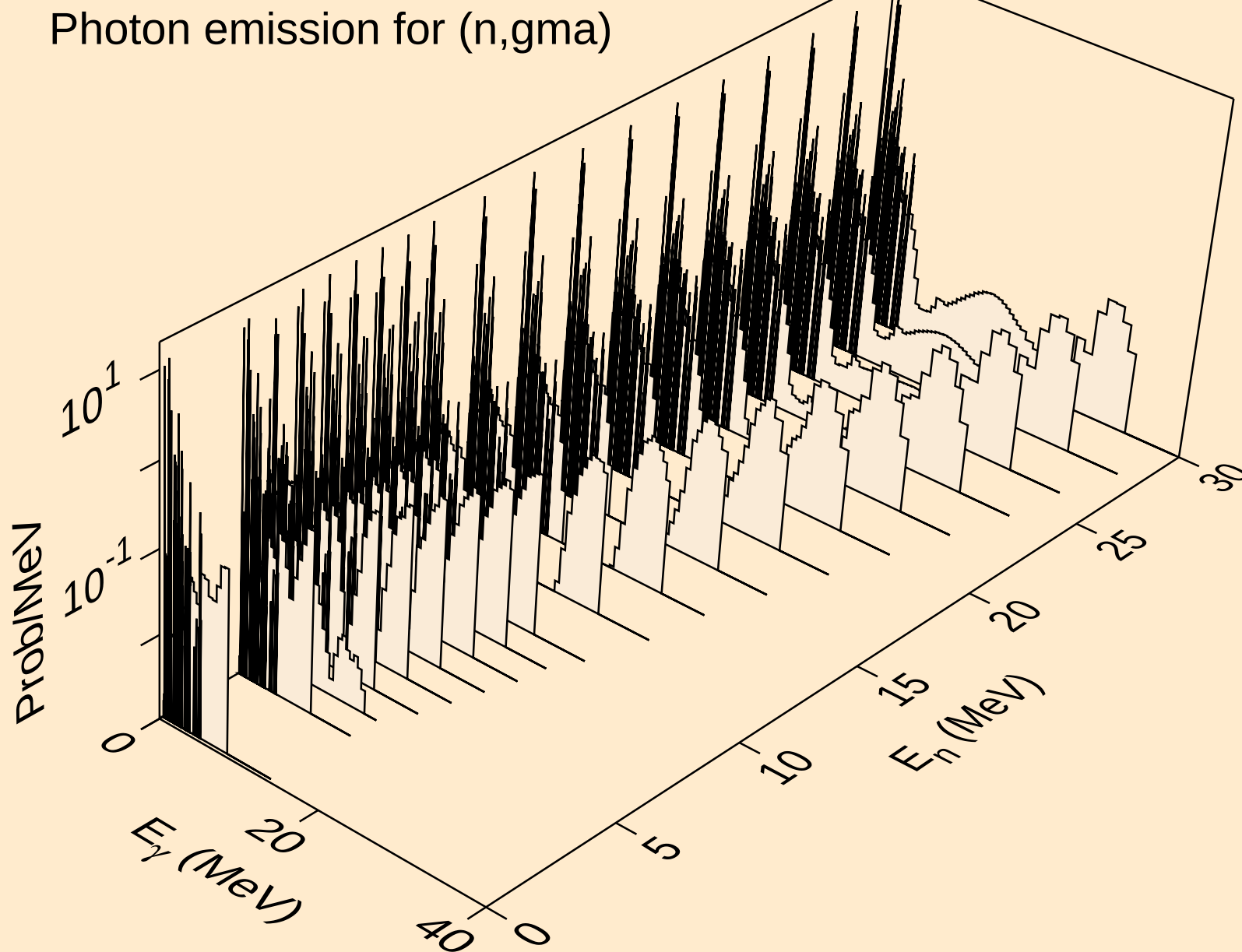
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



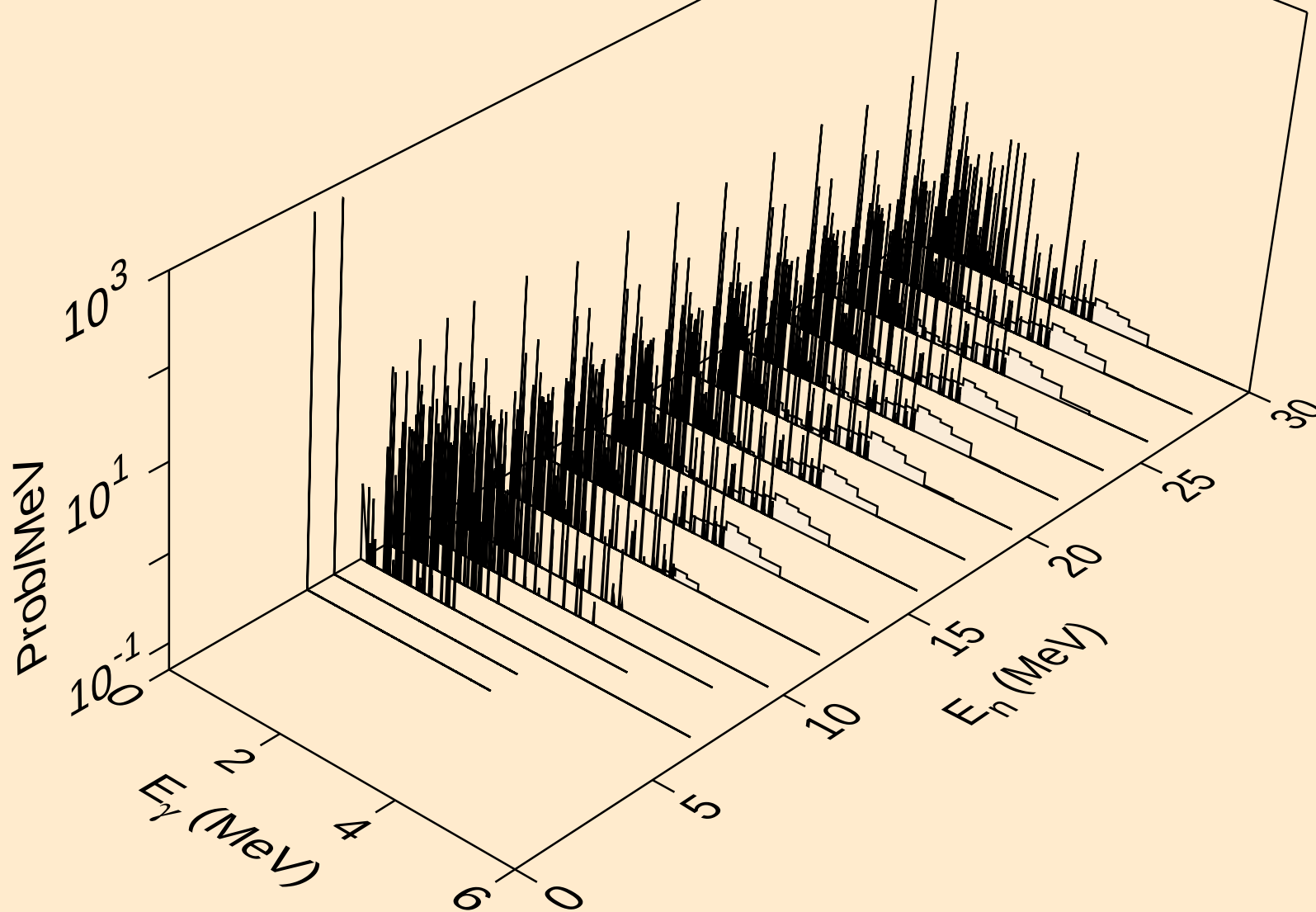
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)



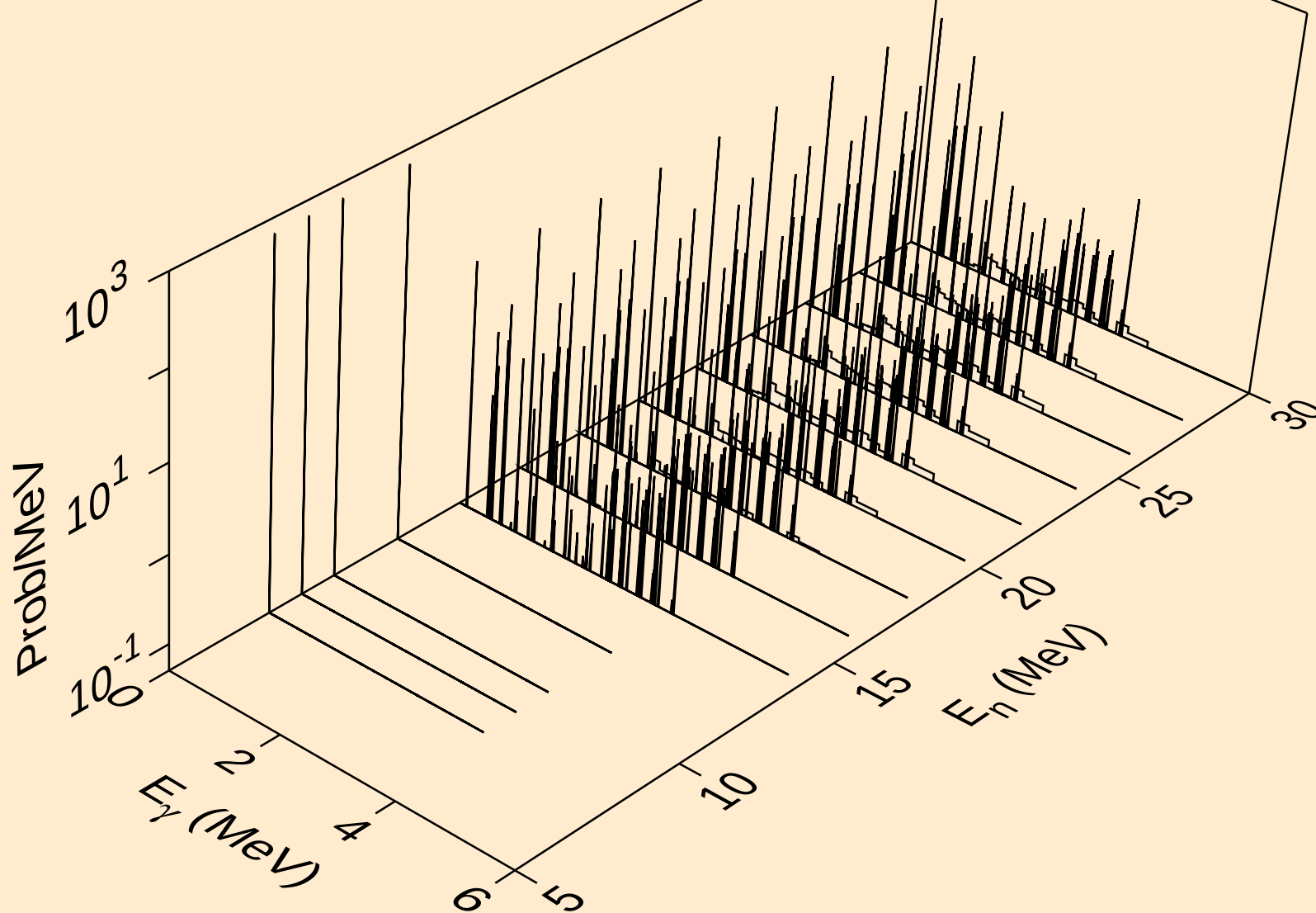
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,gma)



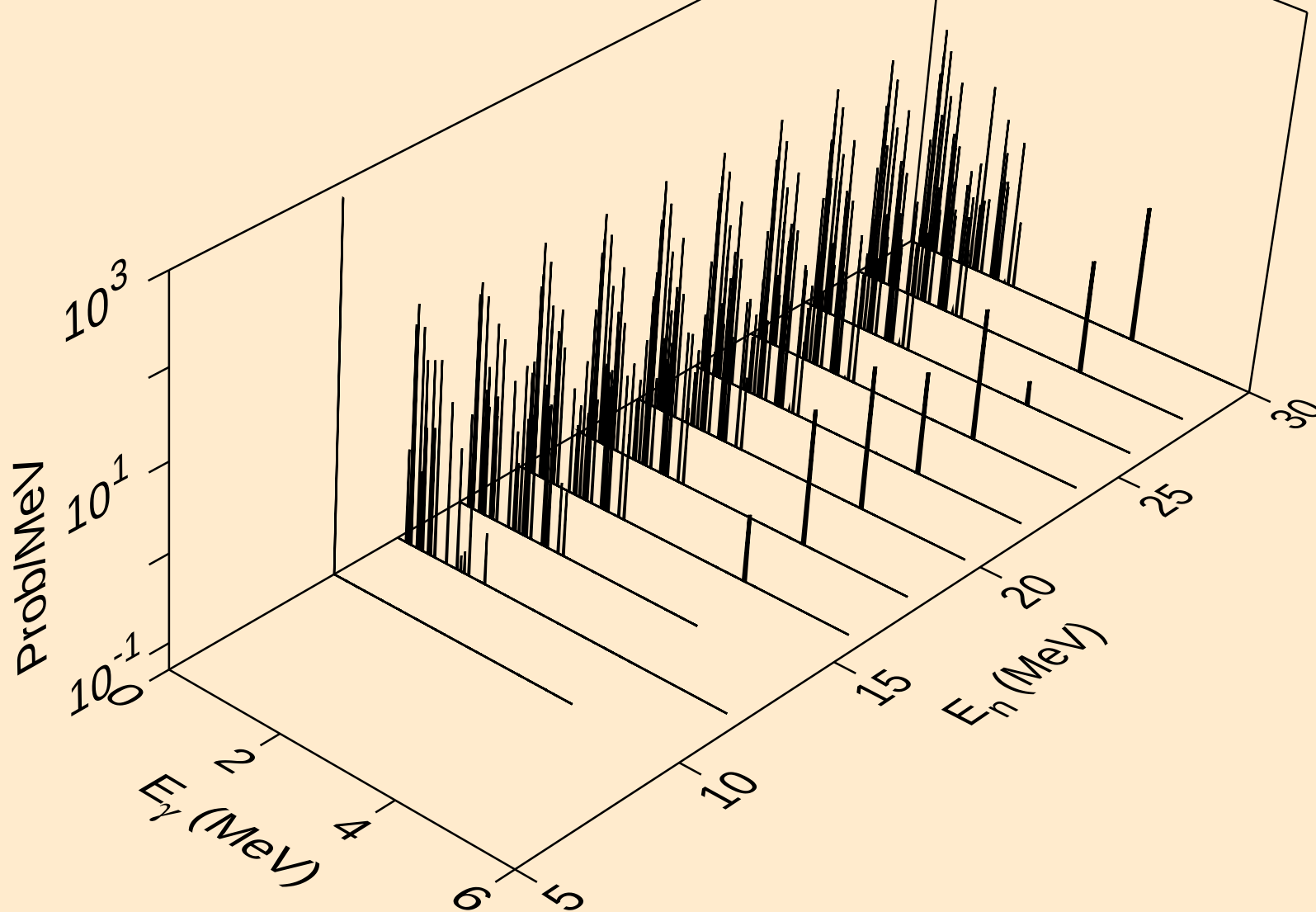
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



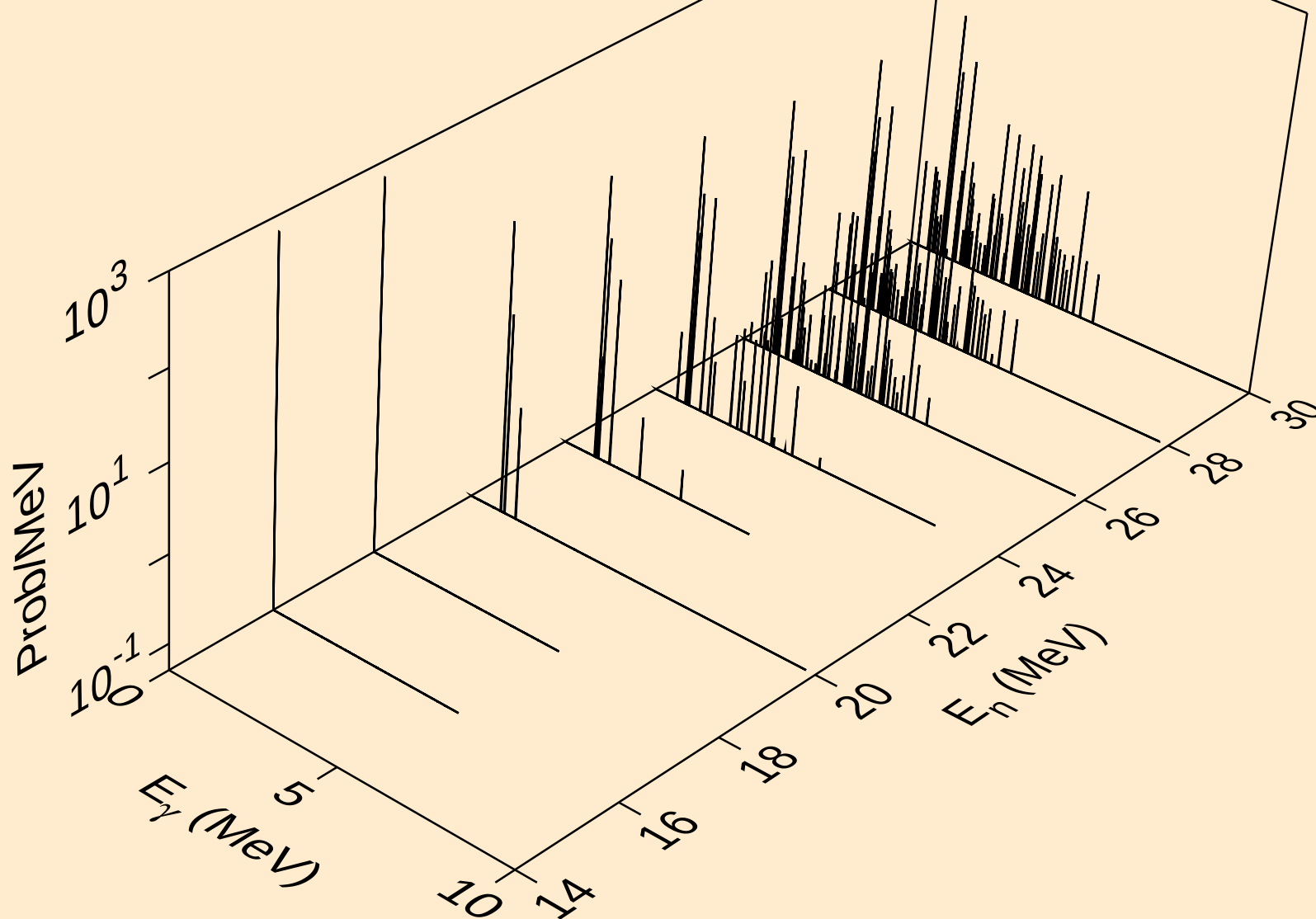
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,d)



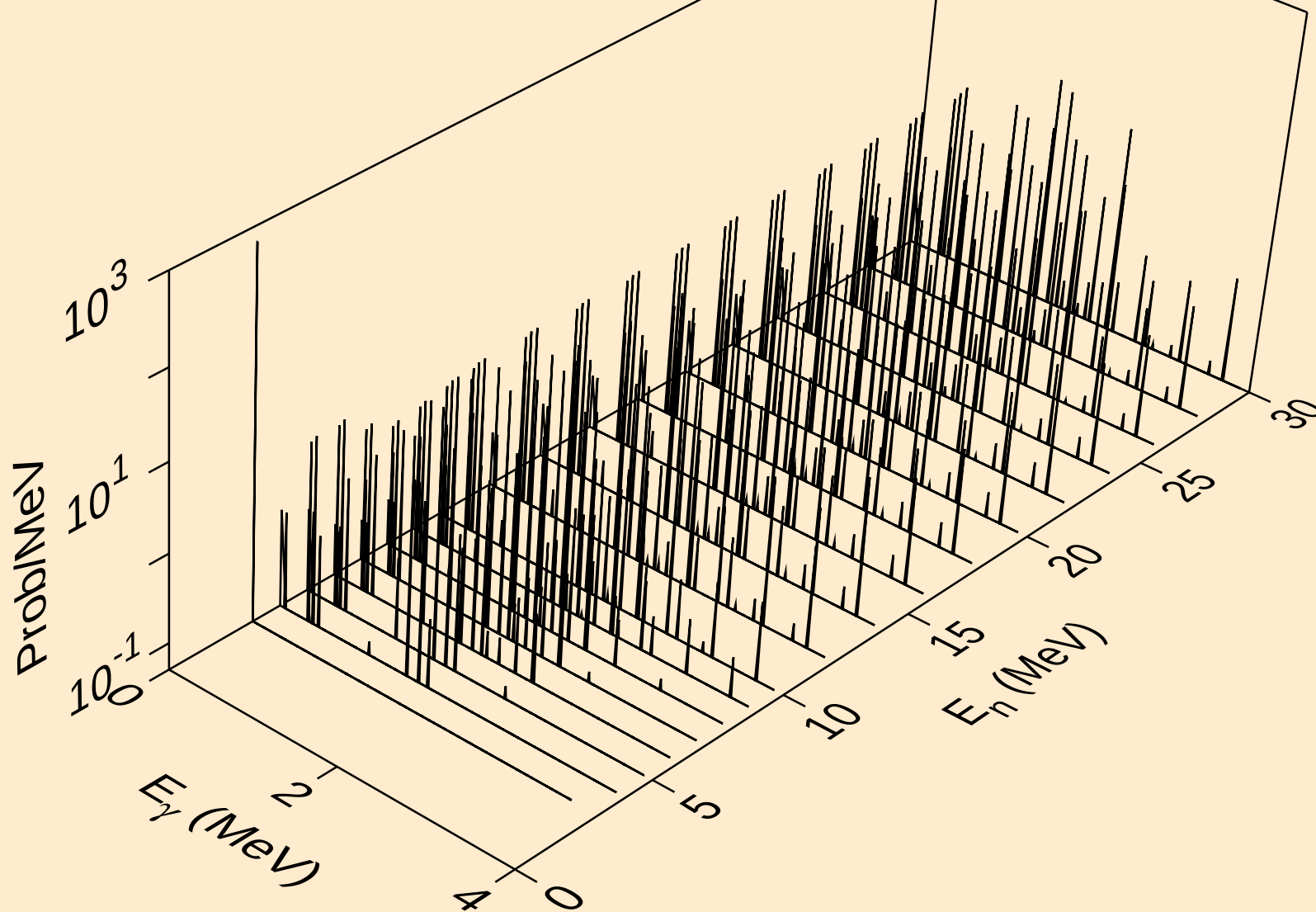
S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,t)



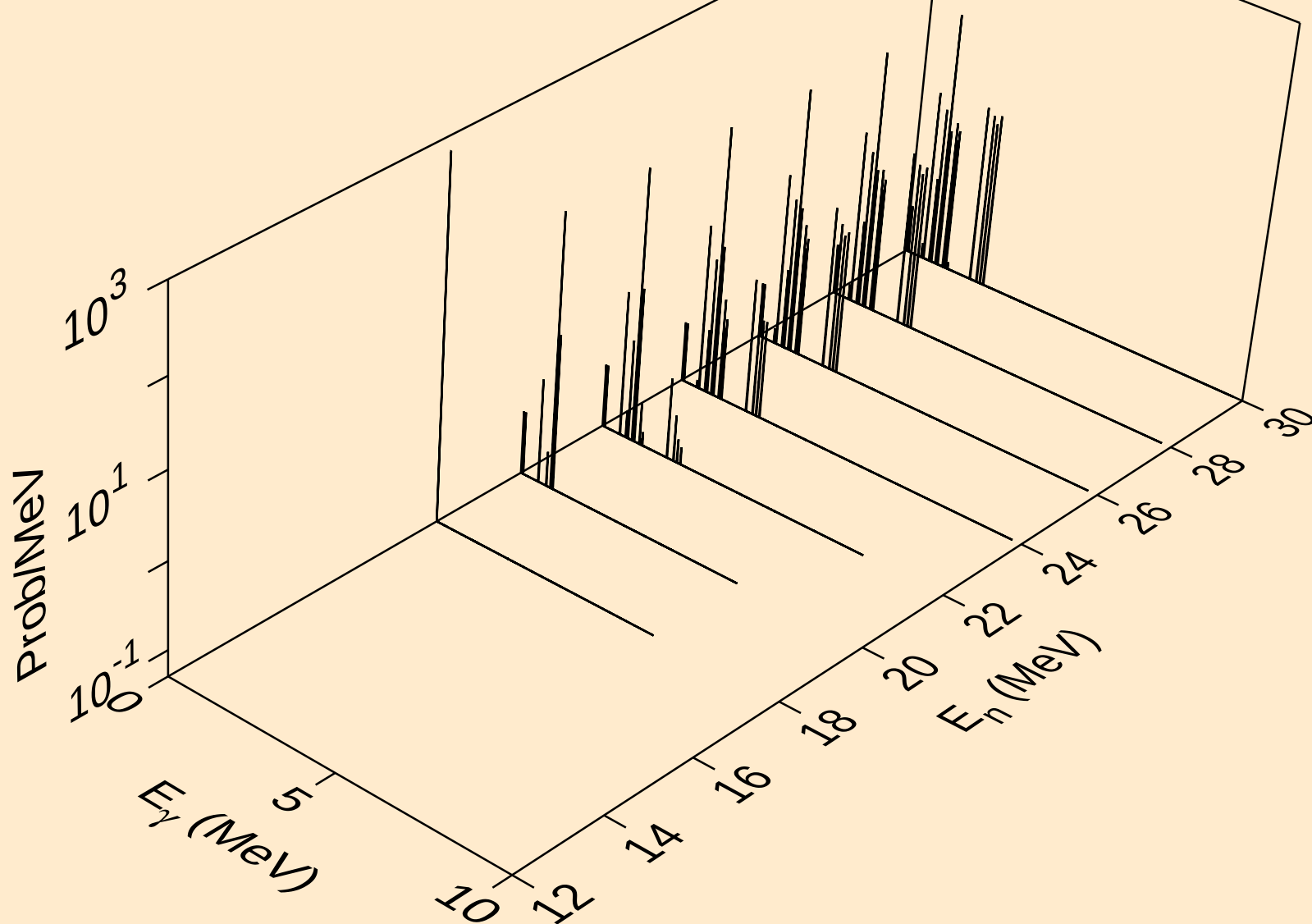
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)



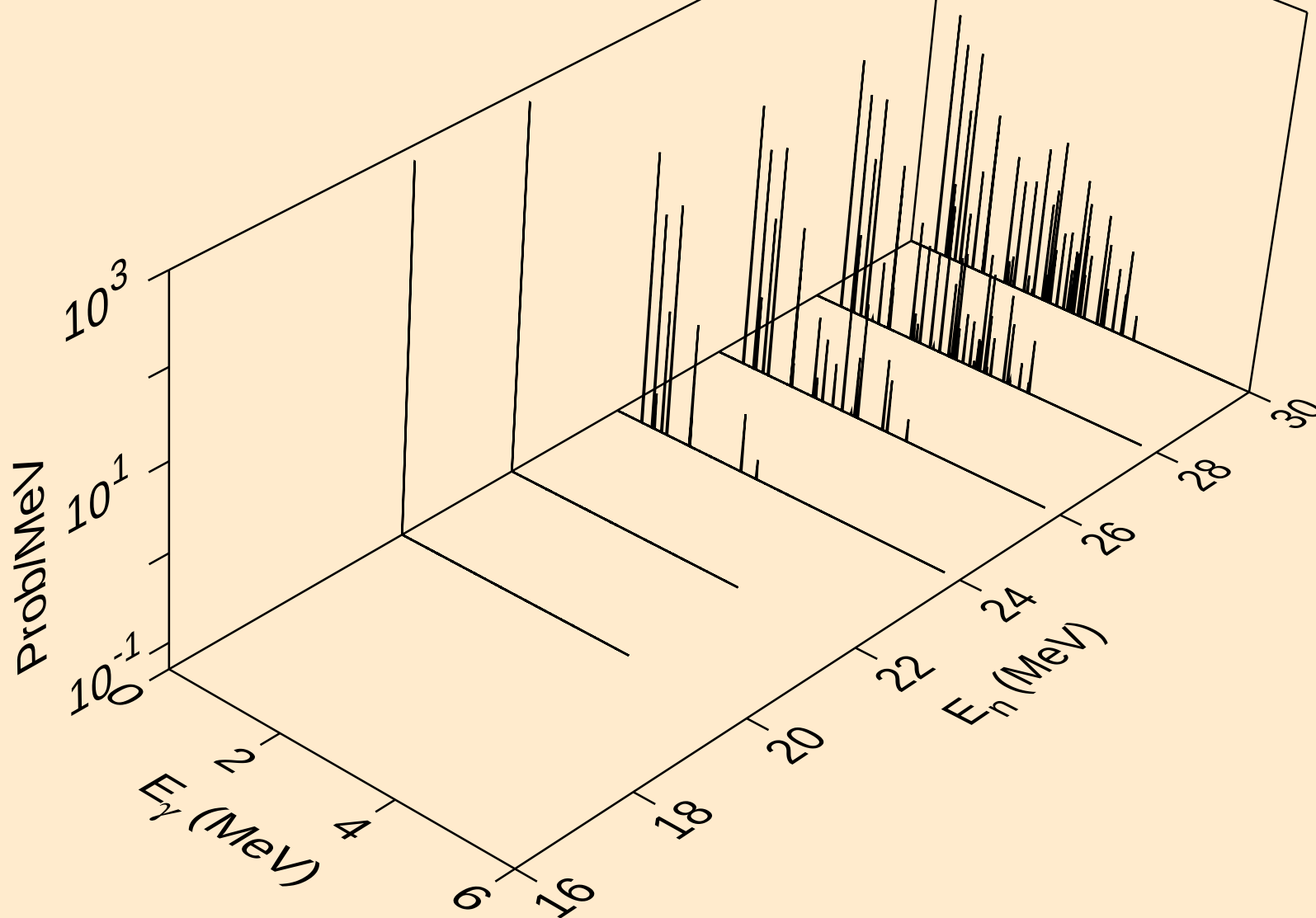
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for inelastic



S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)

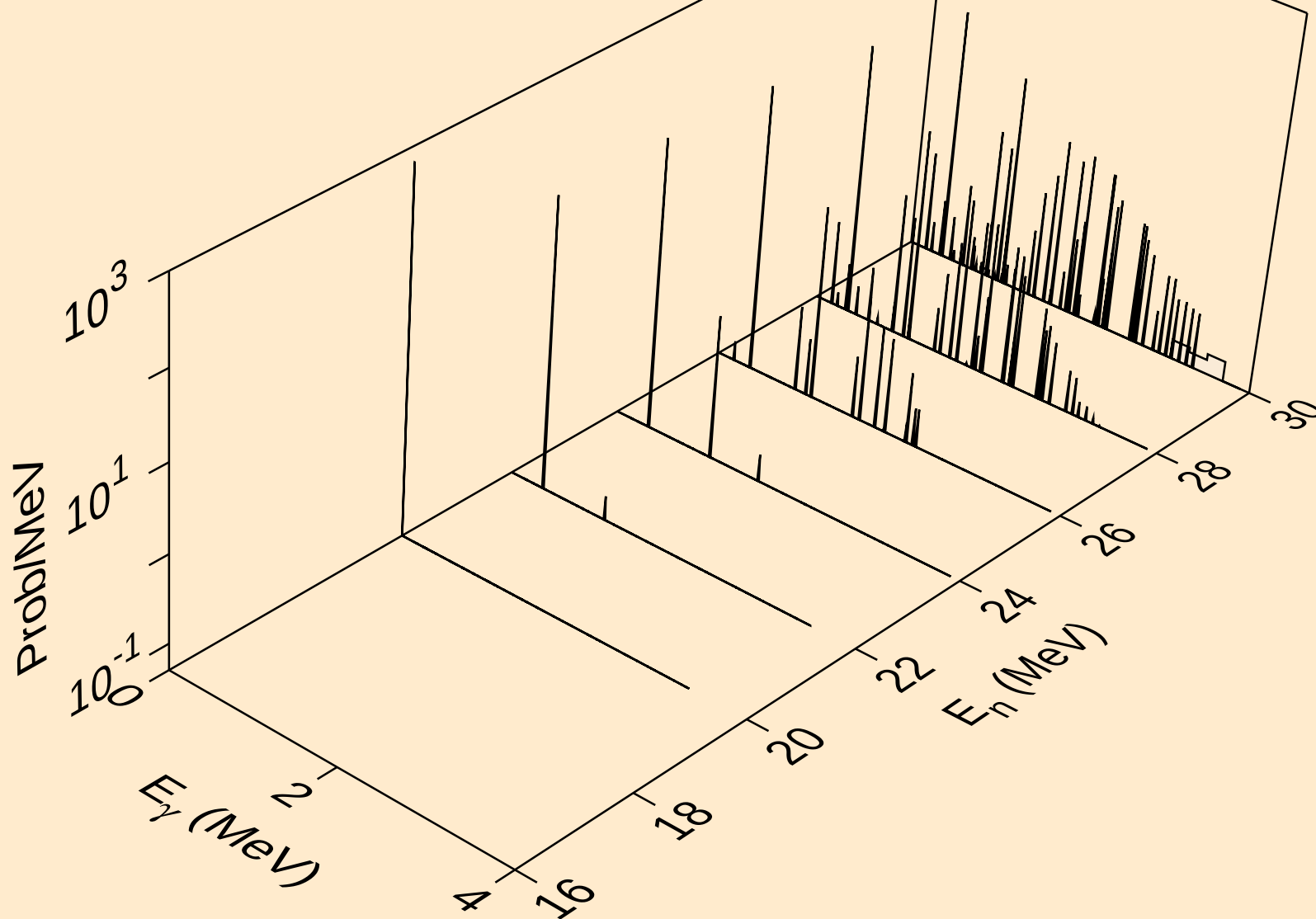


S039 ALPHA ACER TENDL-2024 LIBRARY; $T=0.K$
Photon emission for (n,2p)

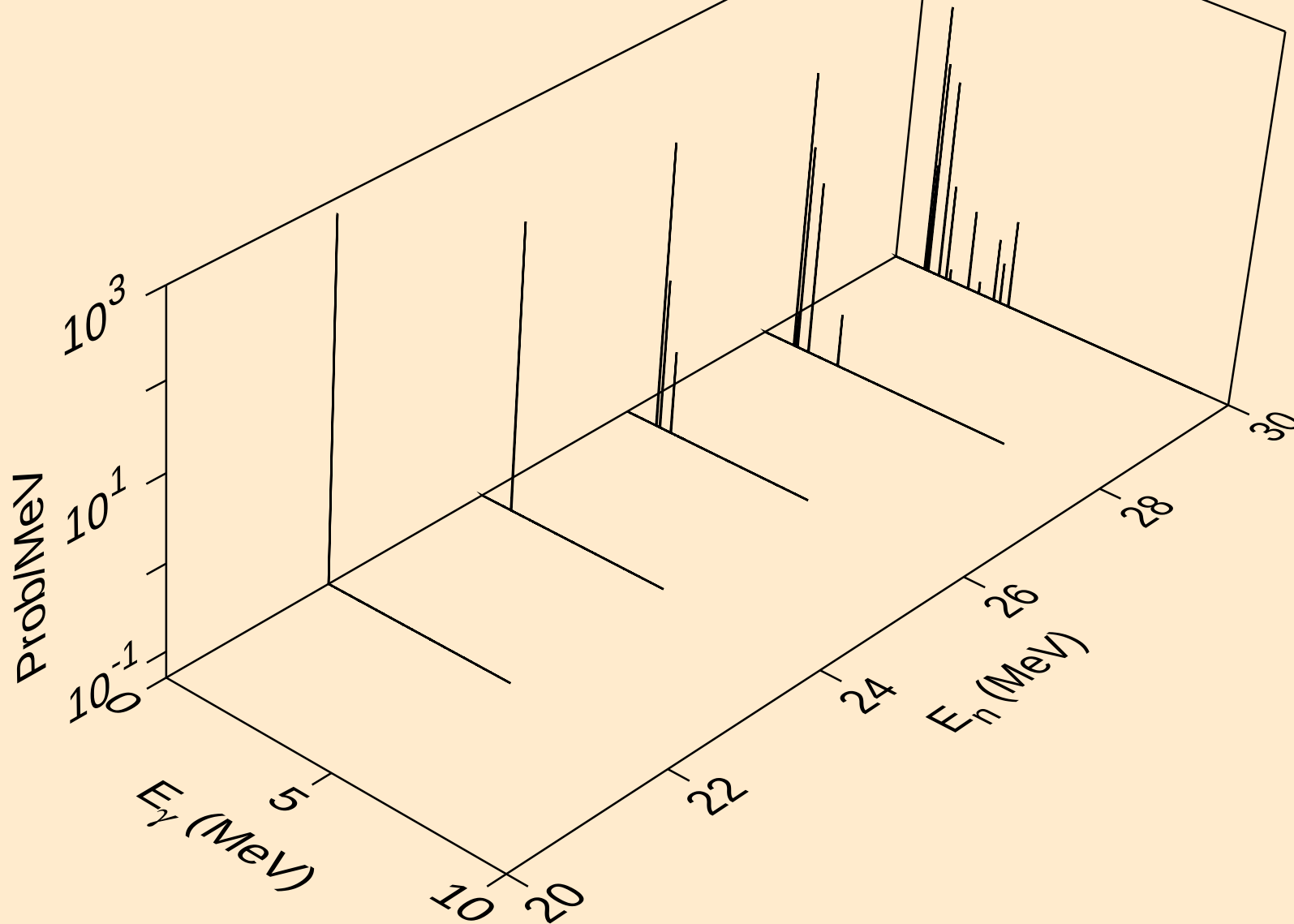


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pa)

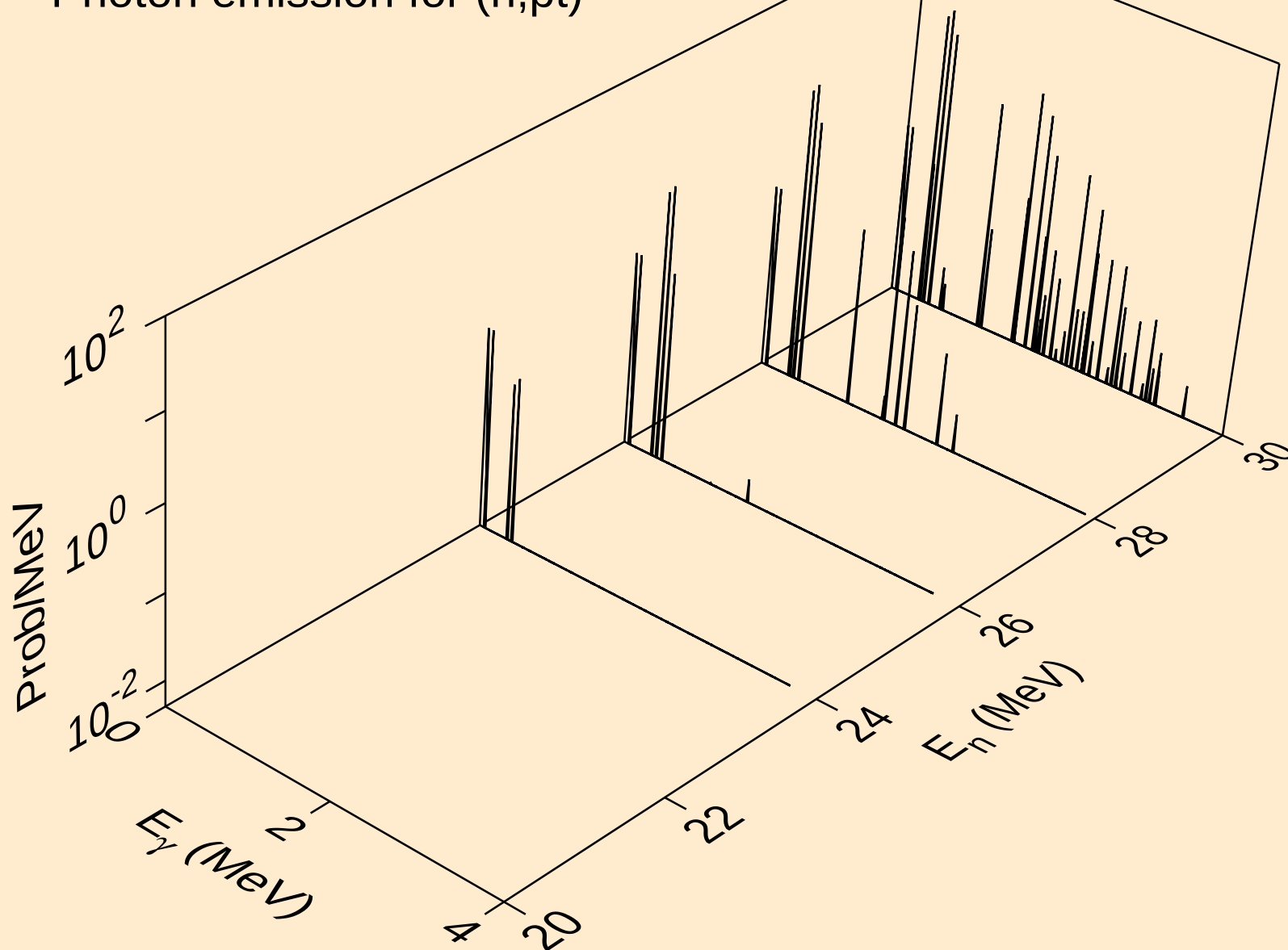


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pd)

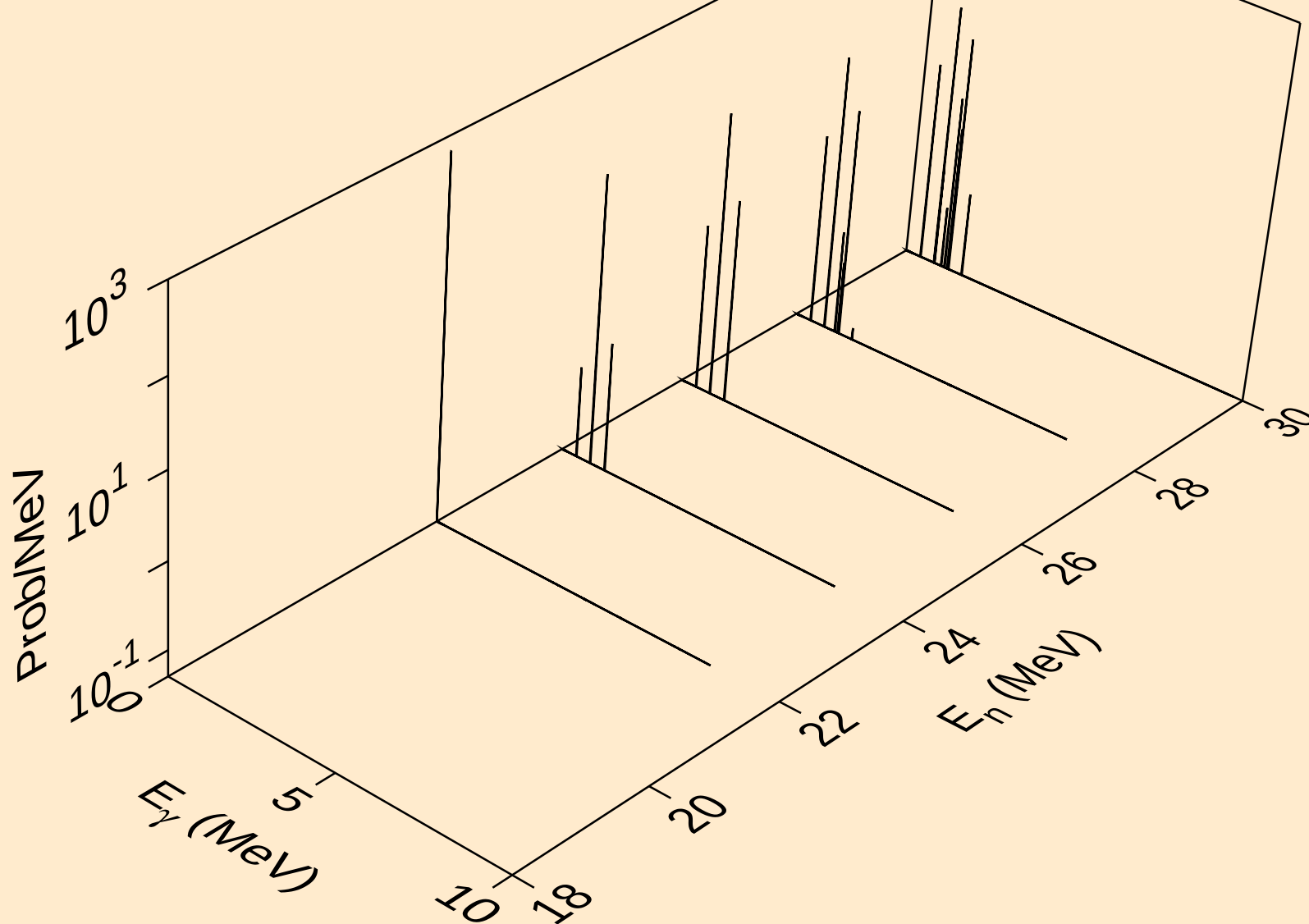


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

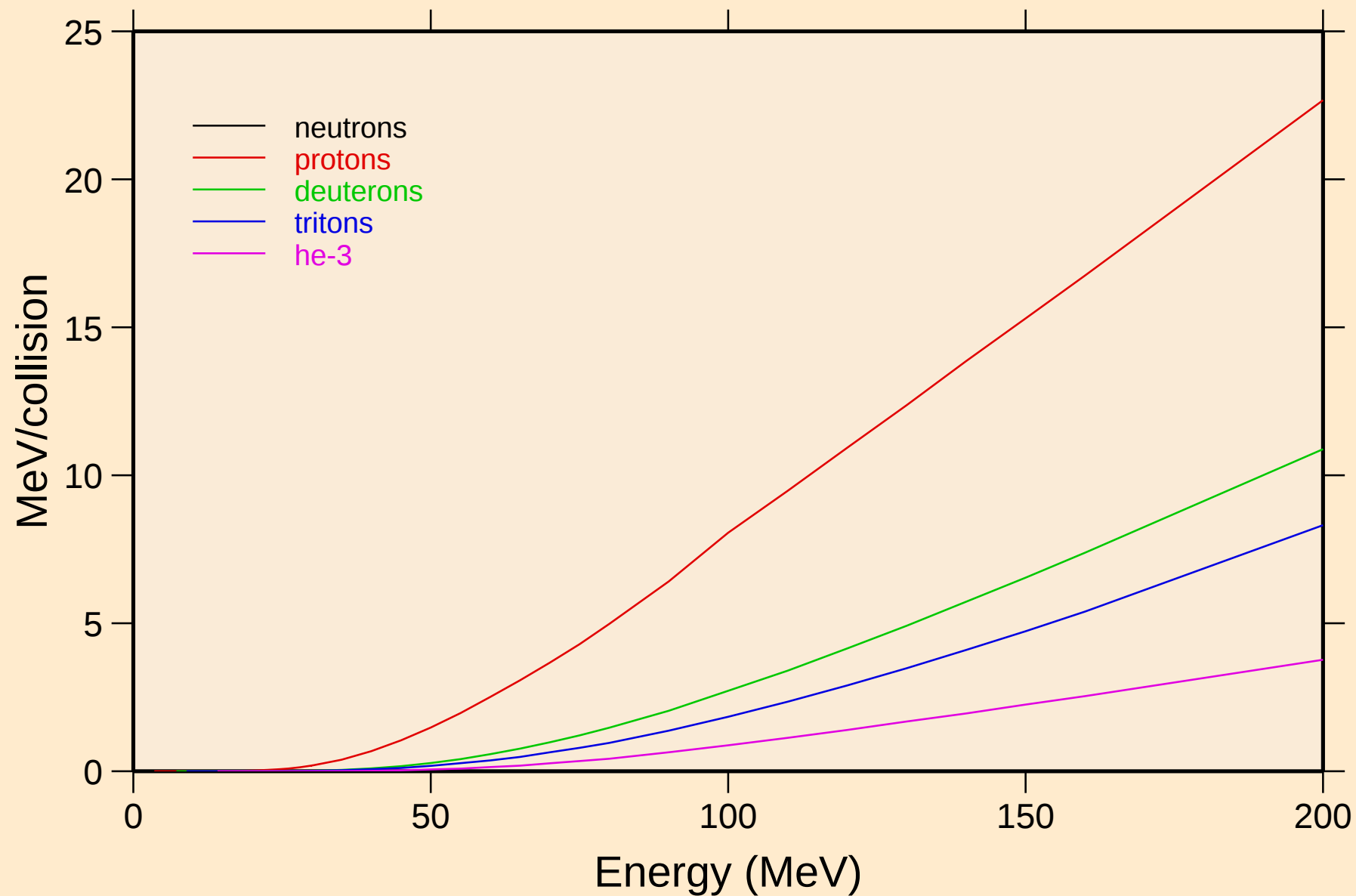


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)



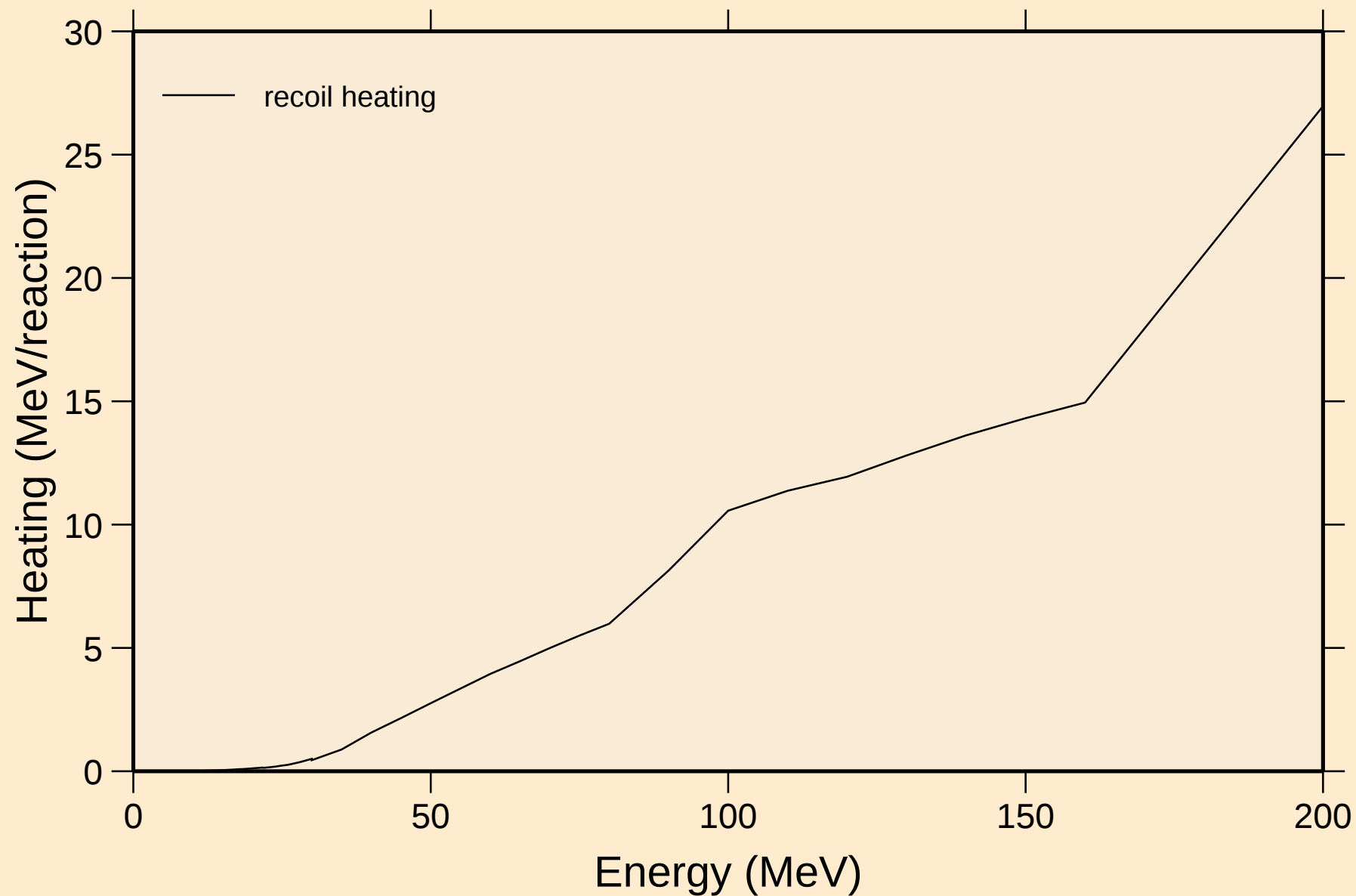
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions



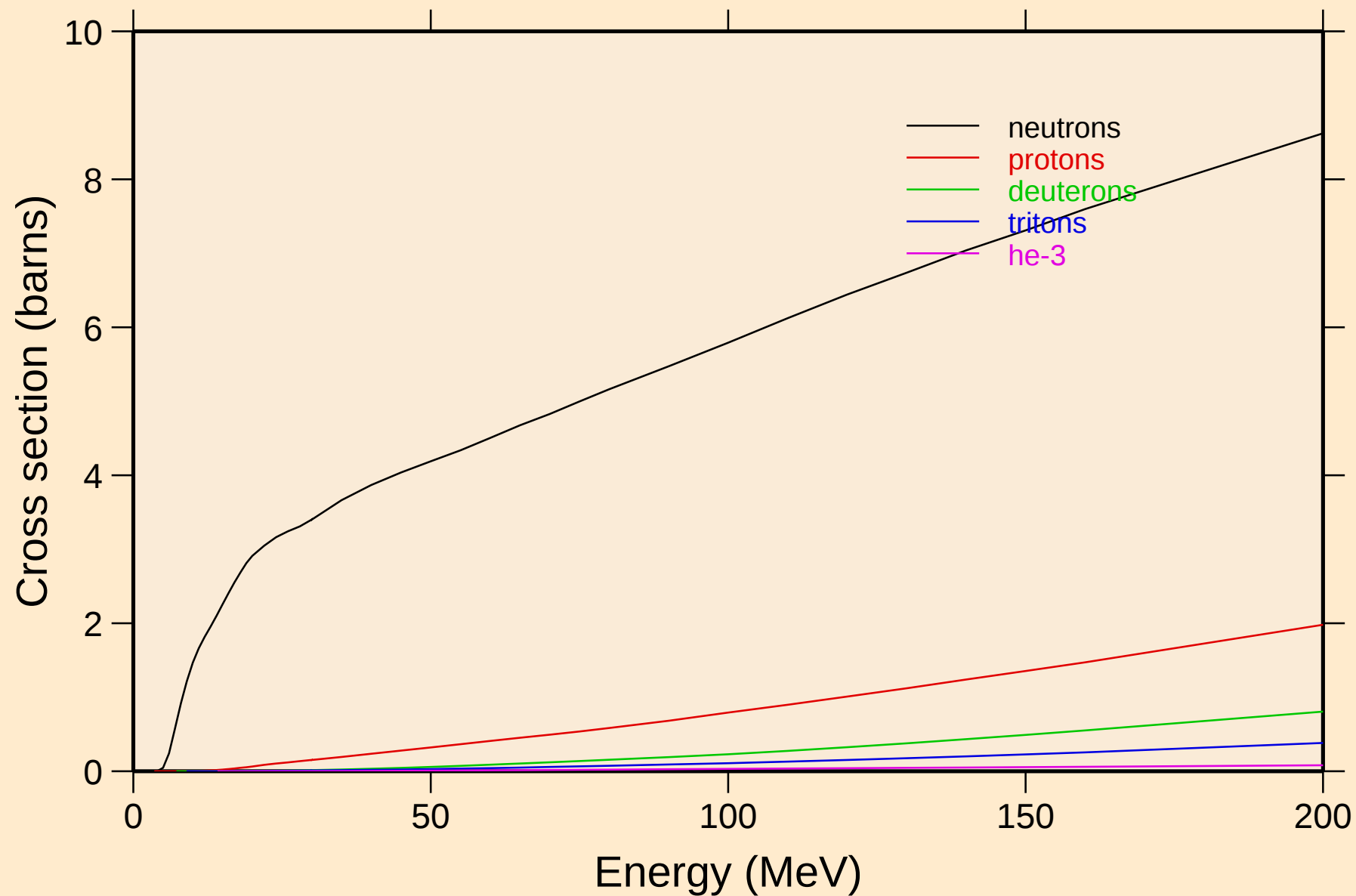
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

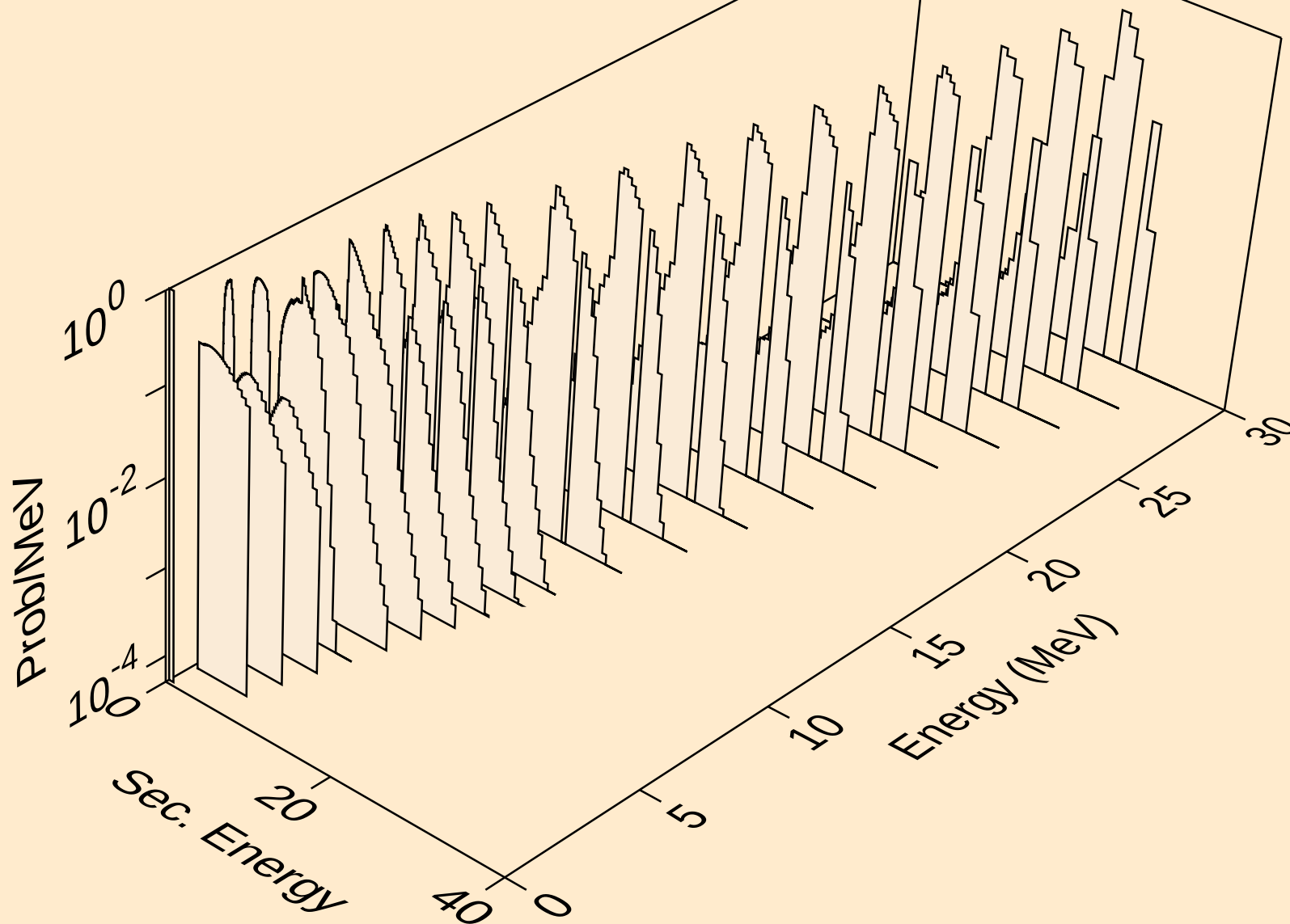


S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

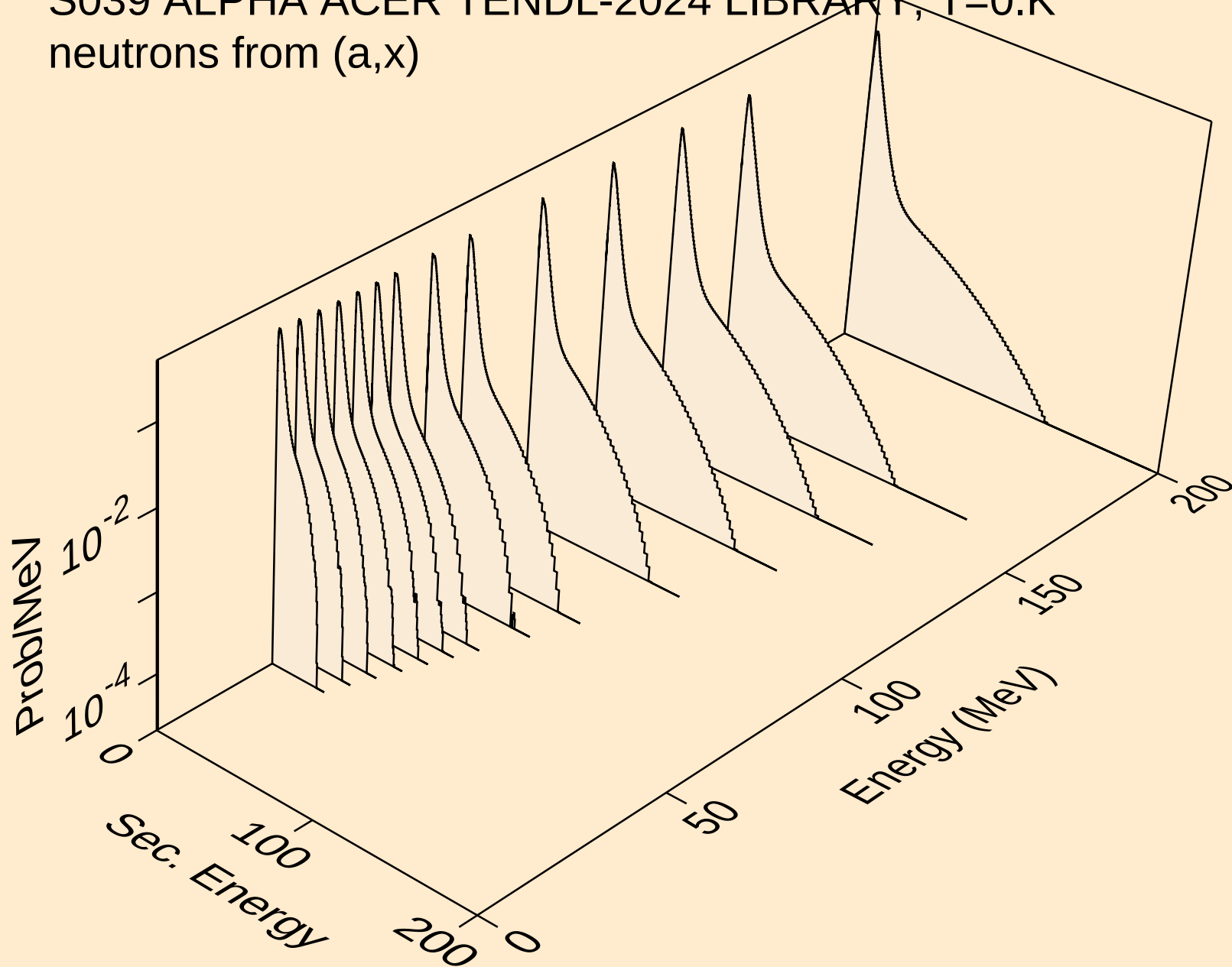
Particle production cross sections



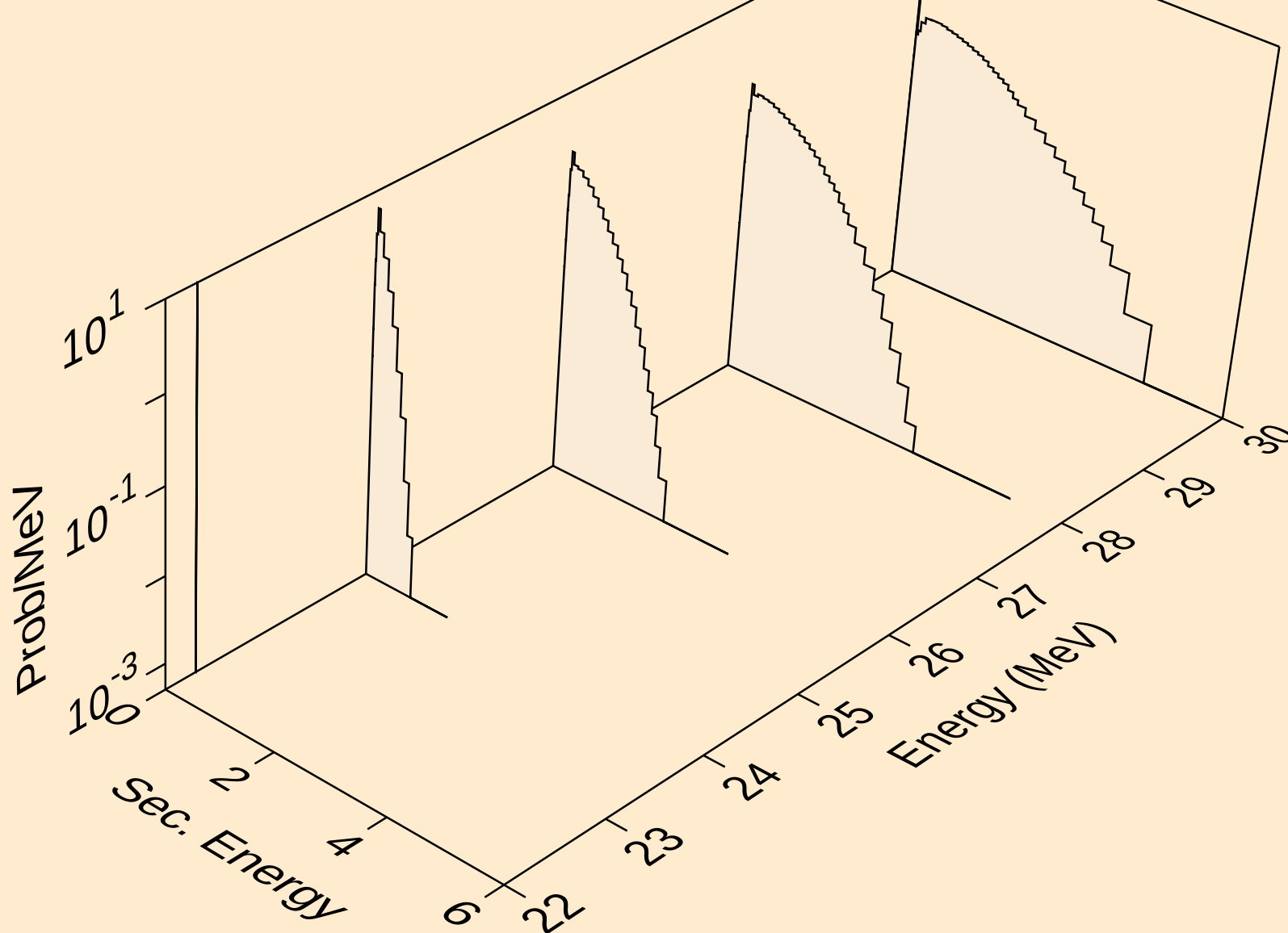
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,n)



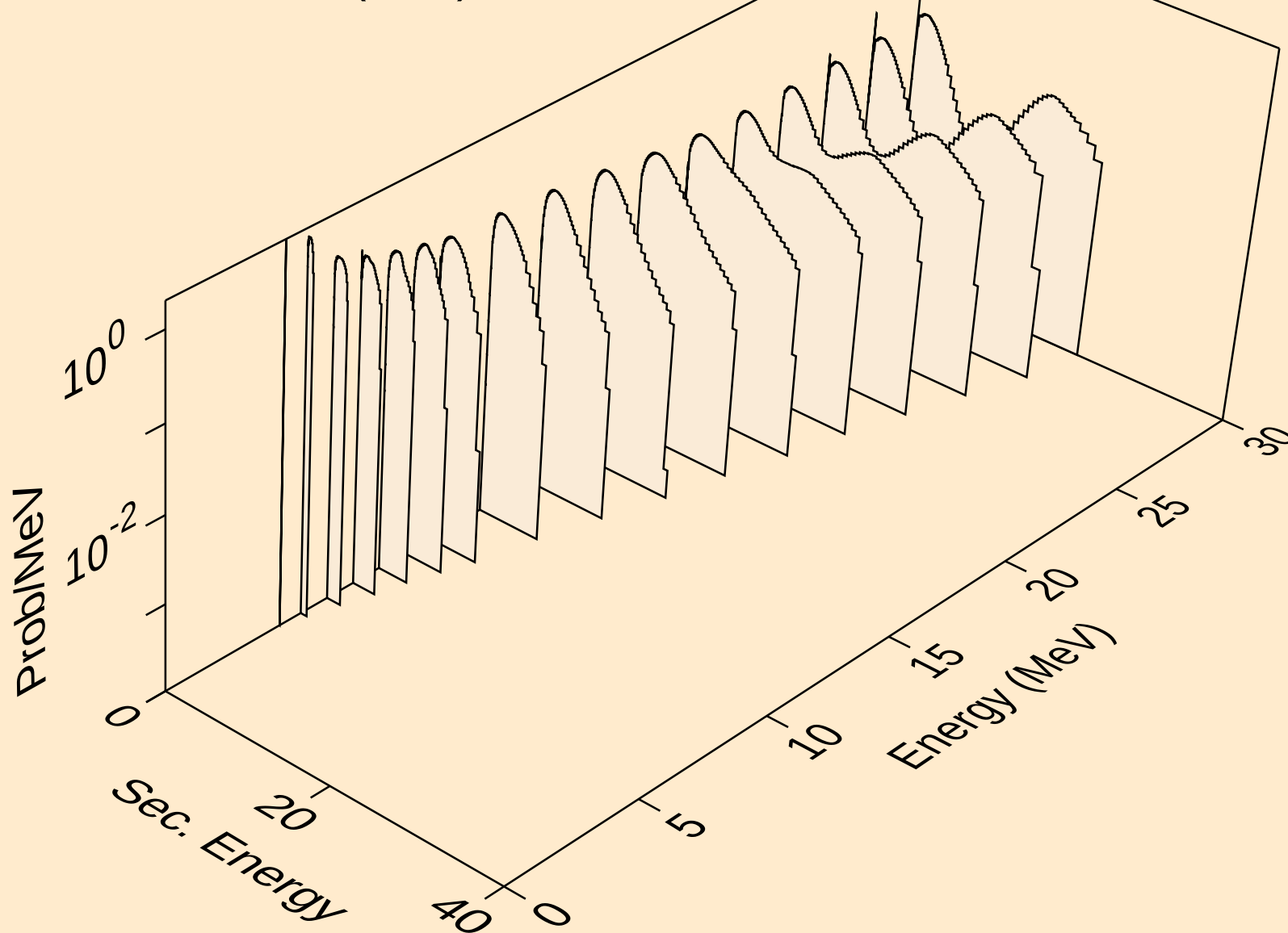
S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (a,x)



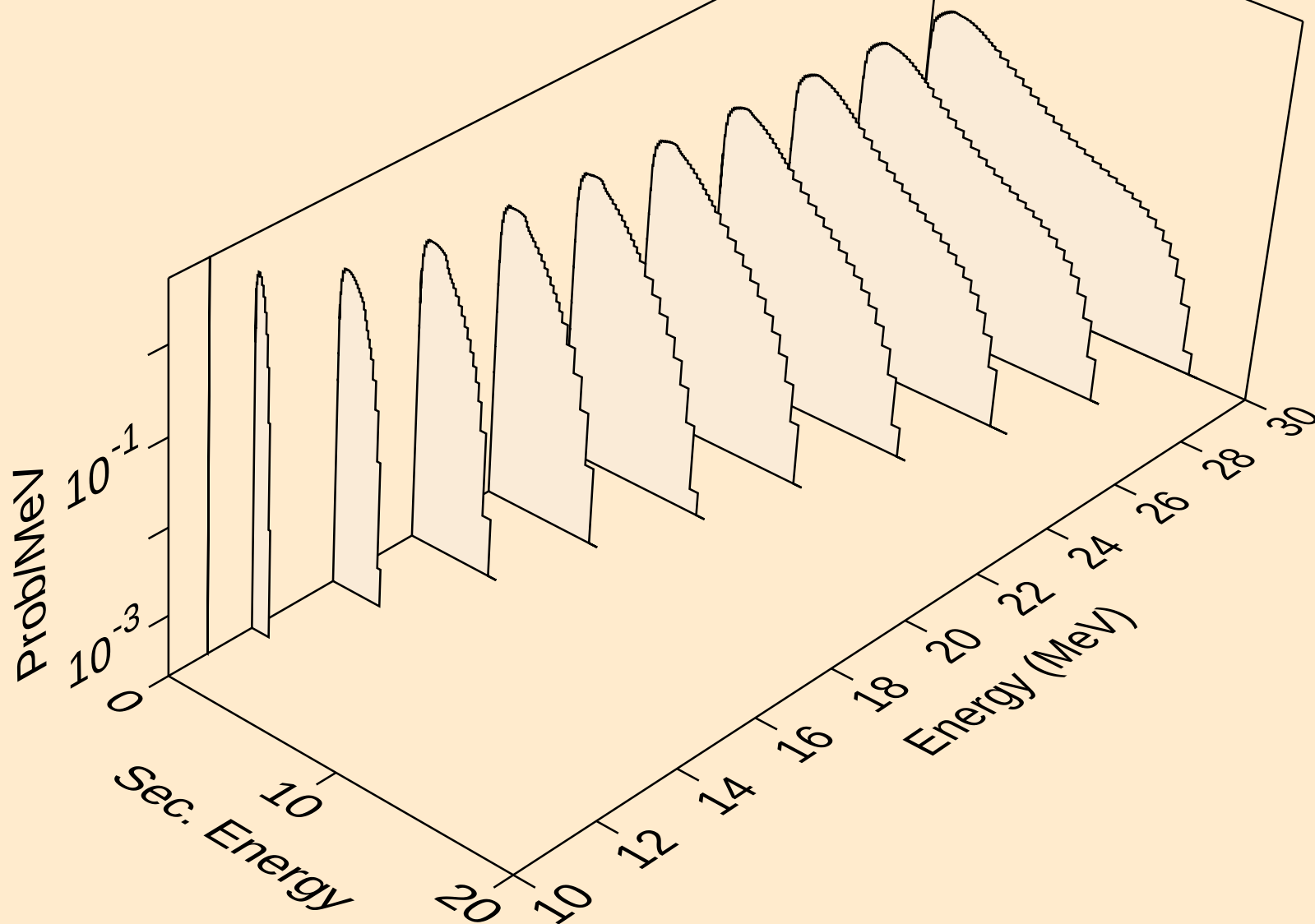
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neutrons from (a,2nd)



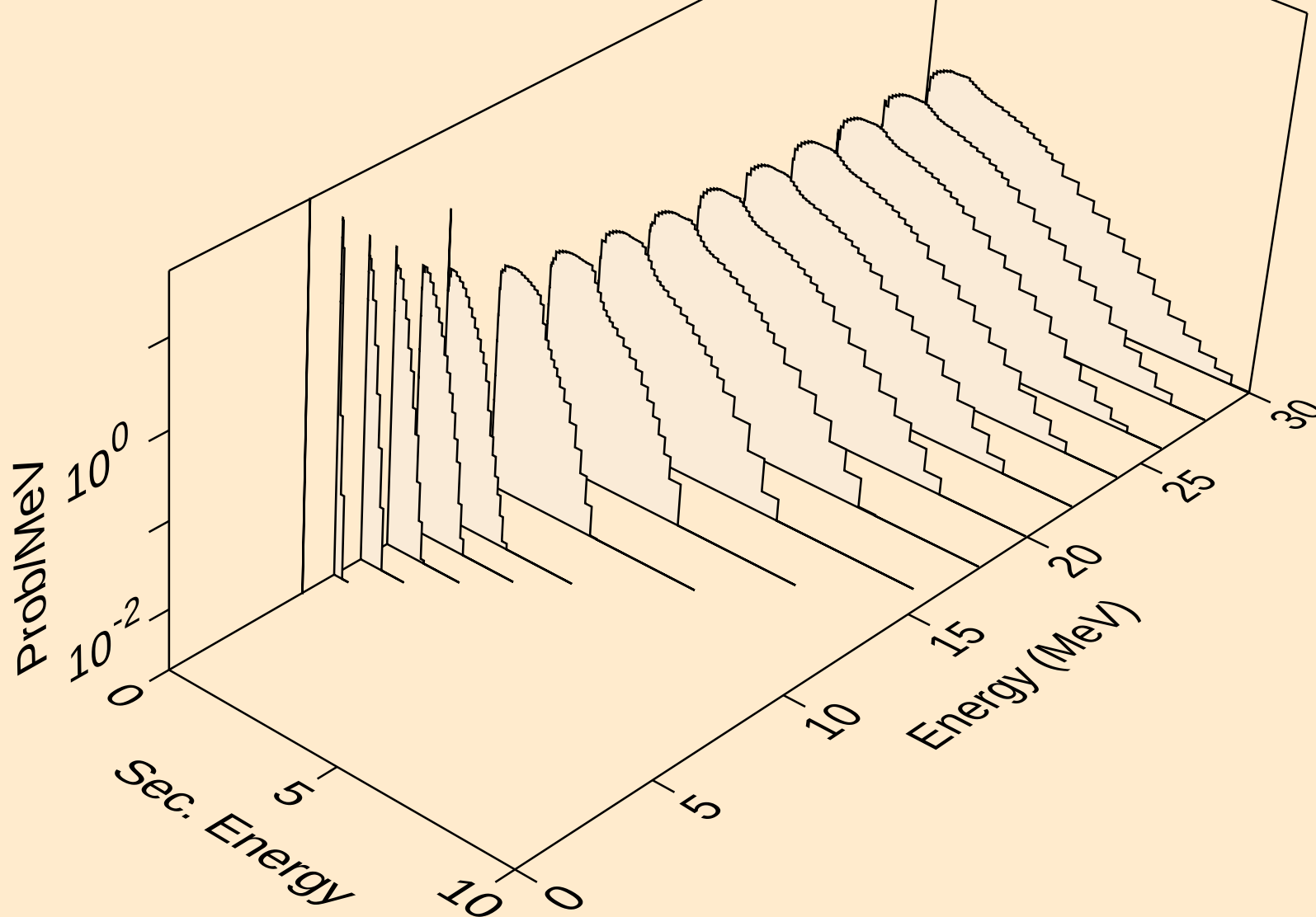
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neutrons from (a,2n)



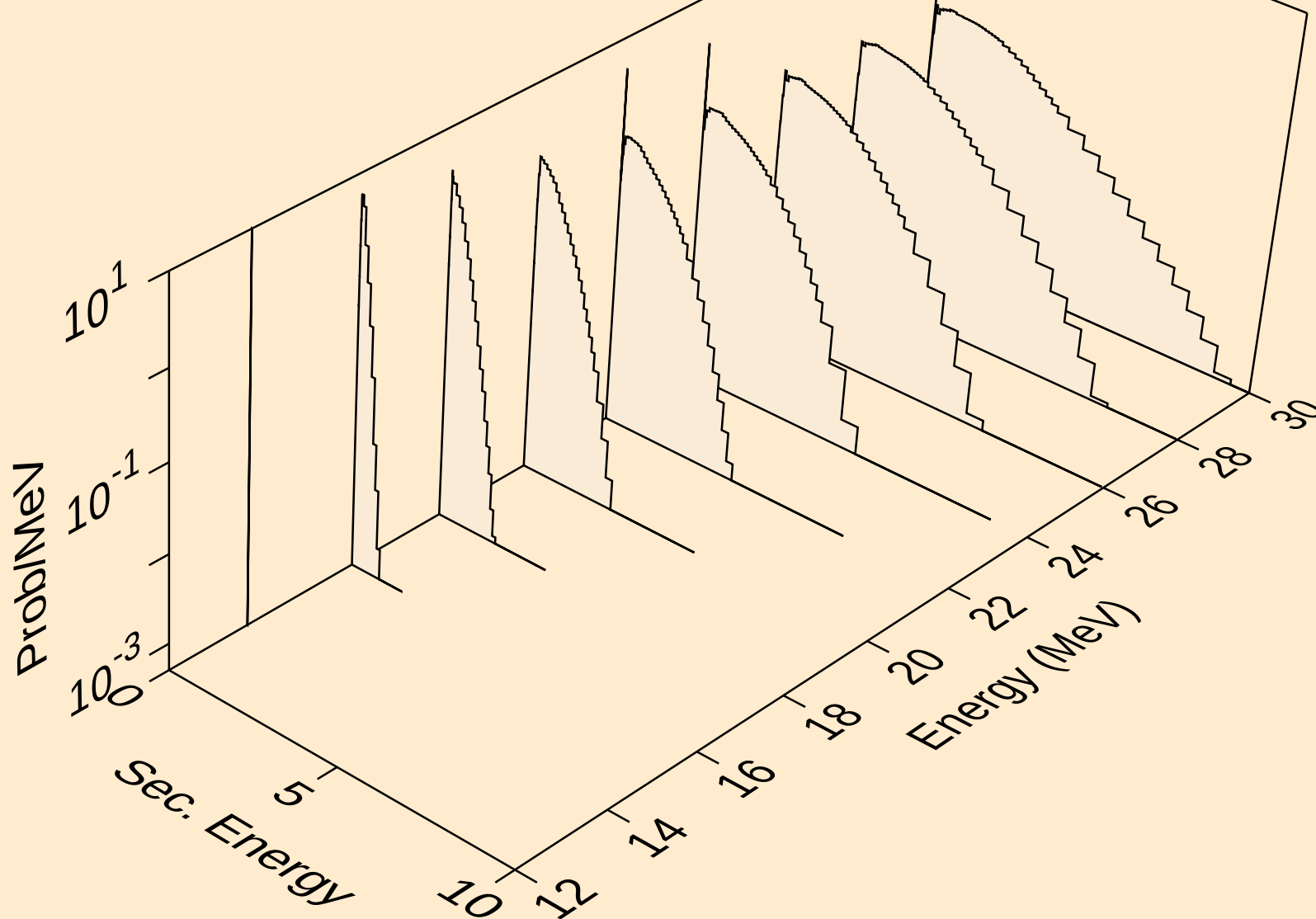
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neutrons from (a,3n)



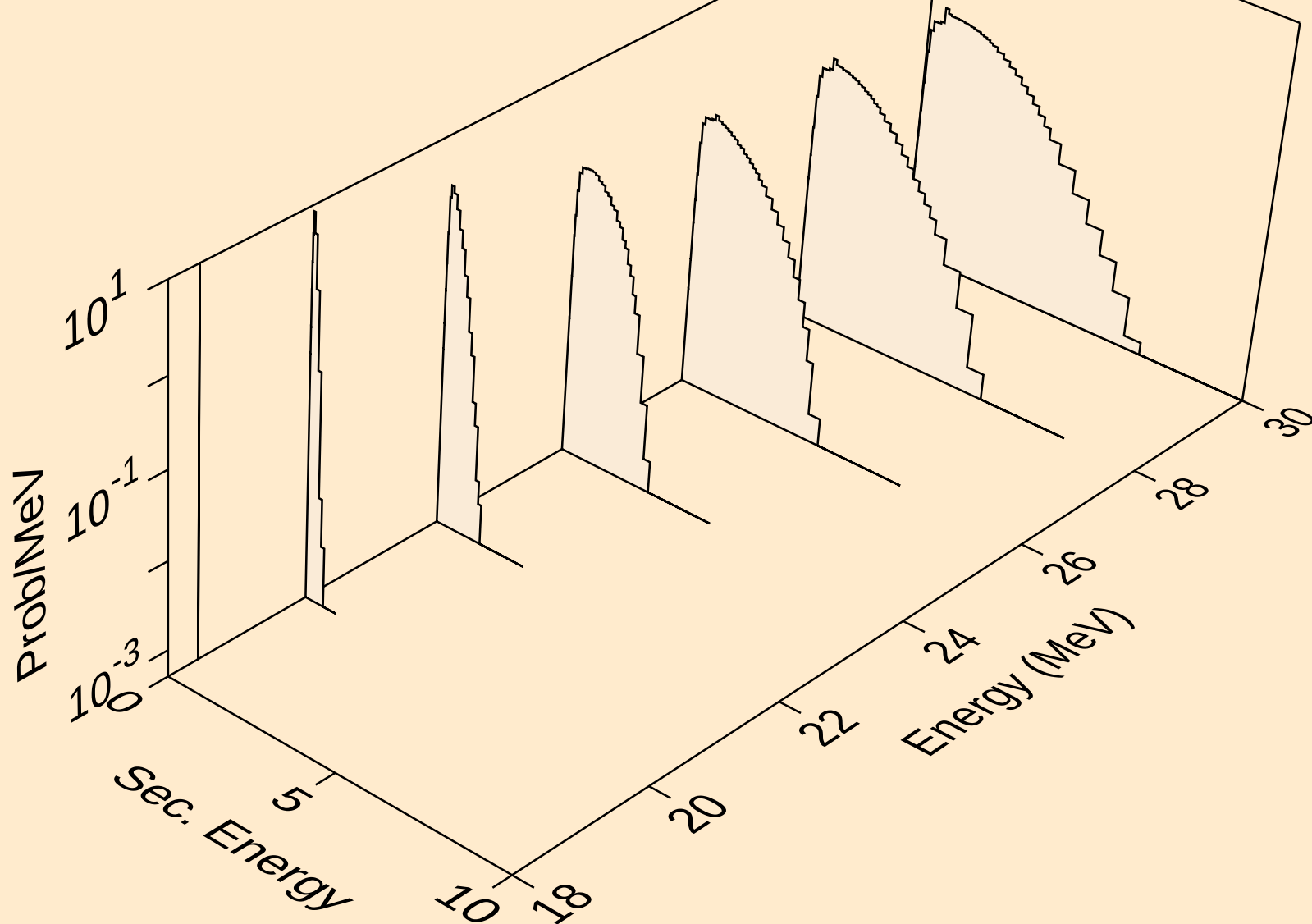
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neutrons from (a,n*)a



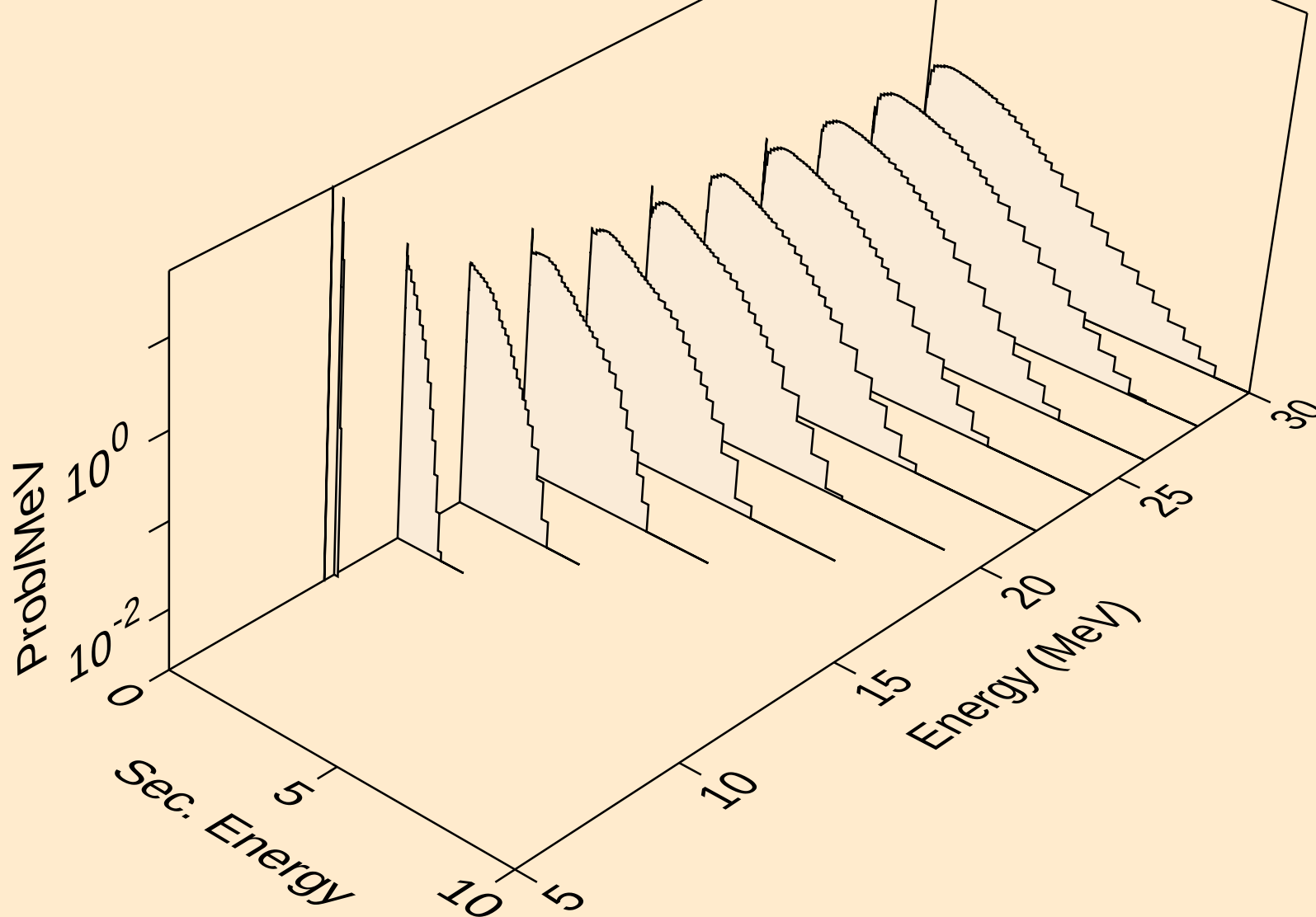
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neutrons from (a,2n)a



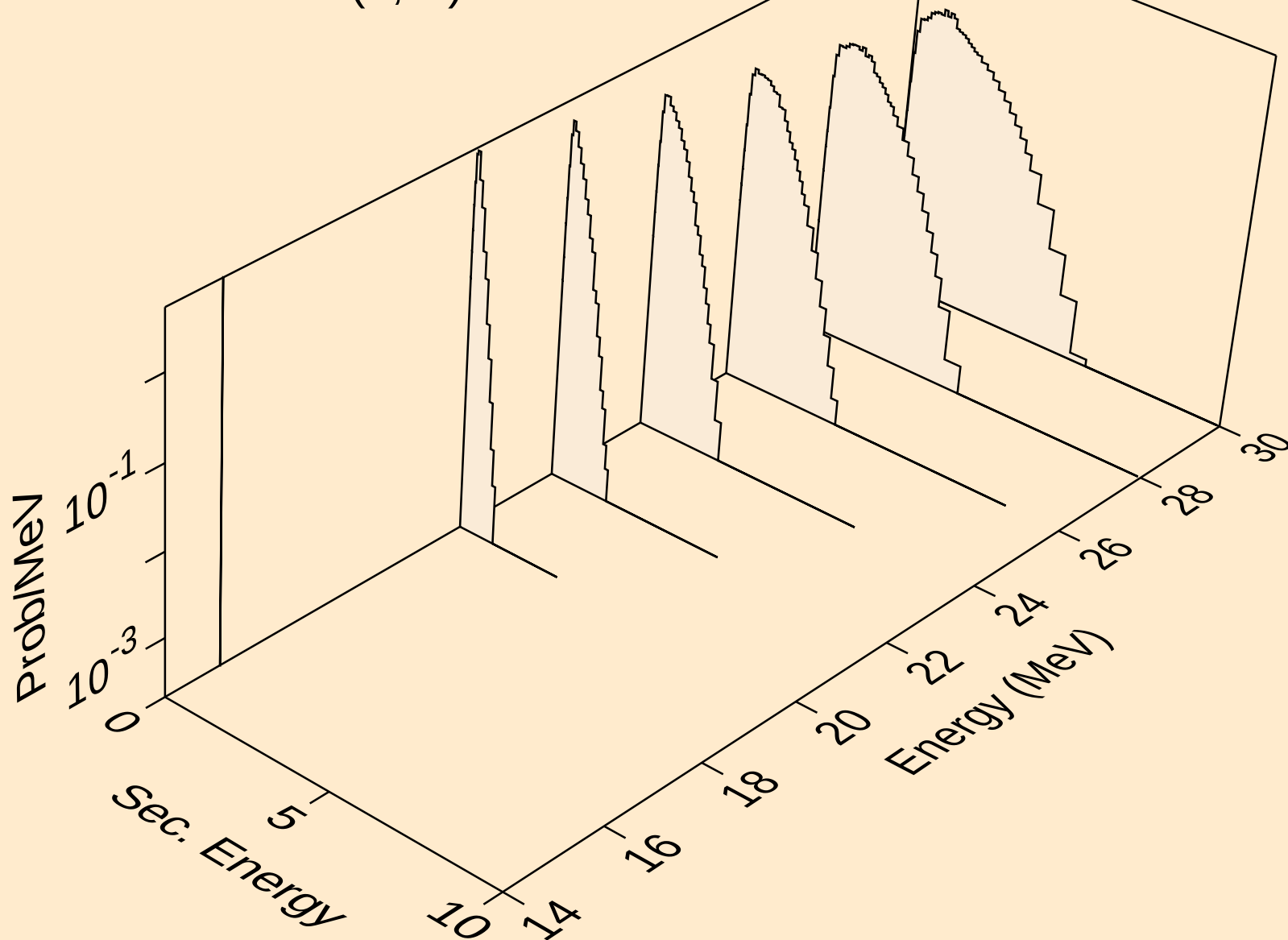
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neutrons from (a,3n)a



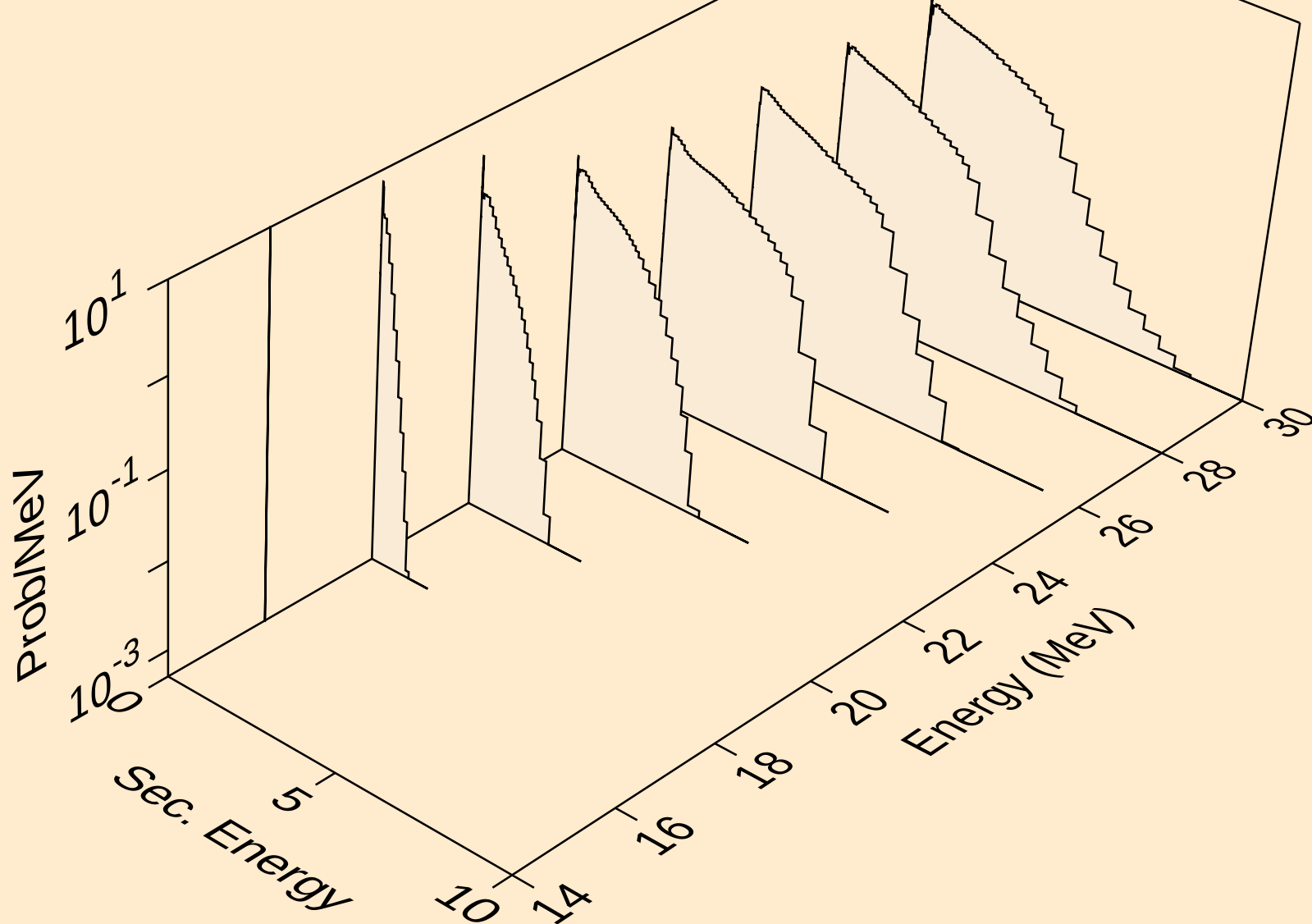
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neutrons from (a,n*)p



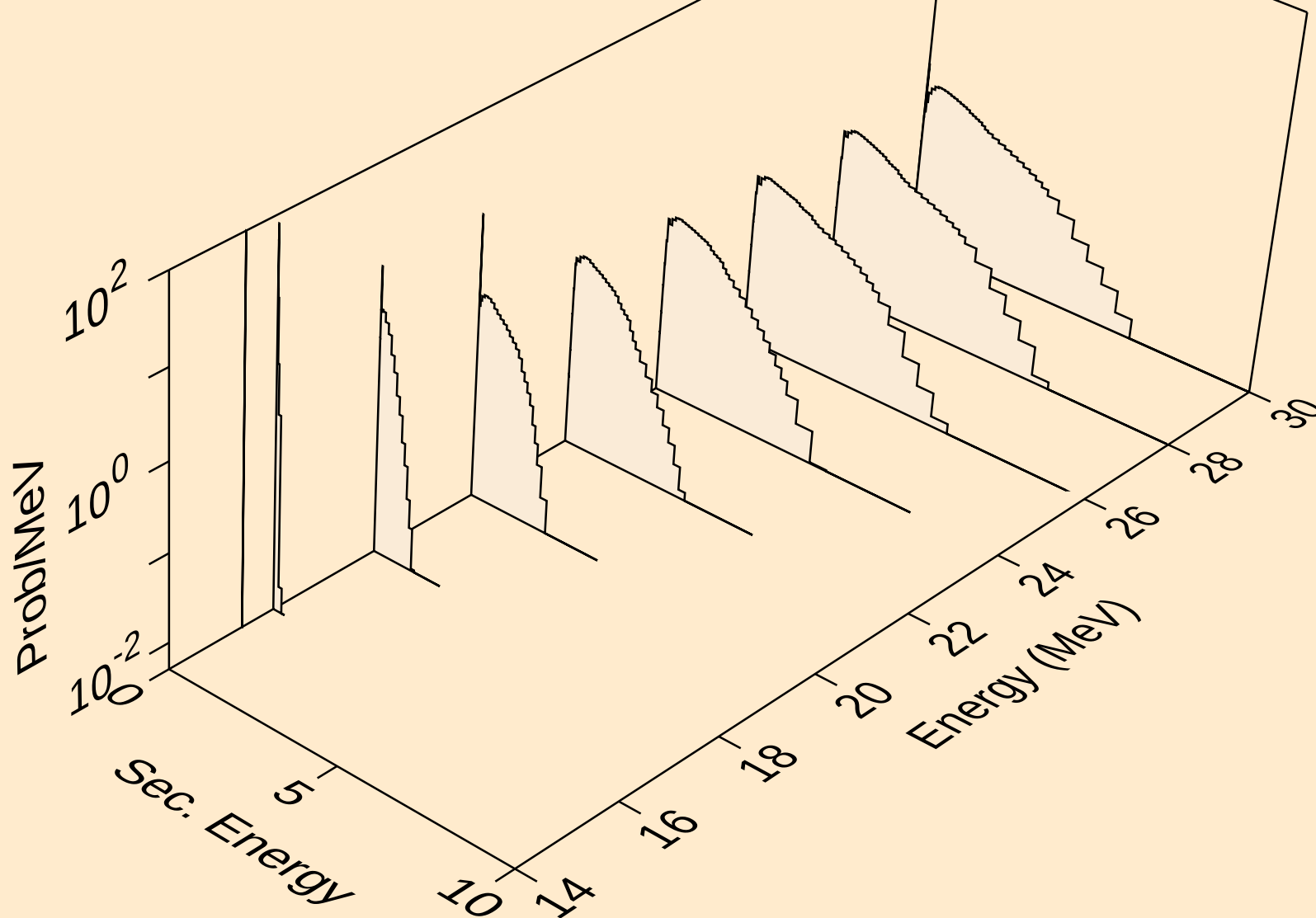
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neutrons from (a,n*)2a



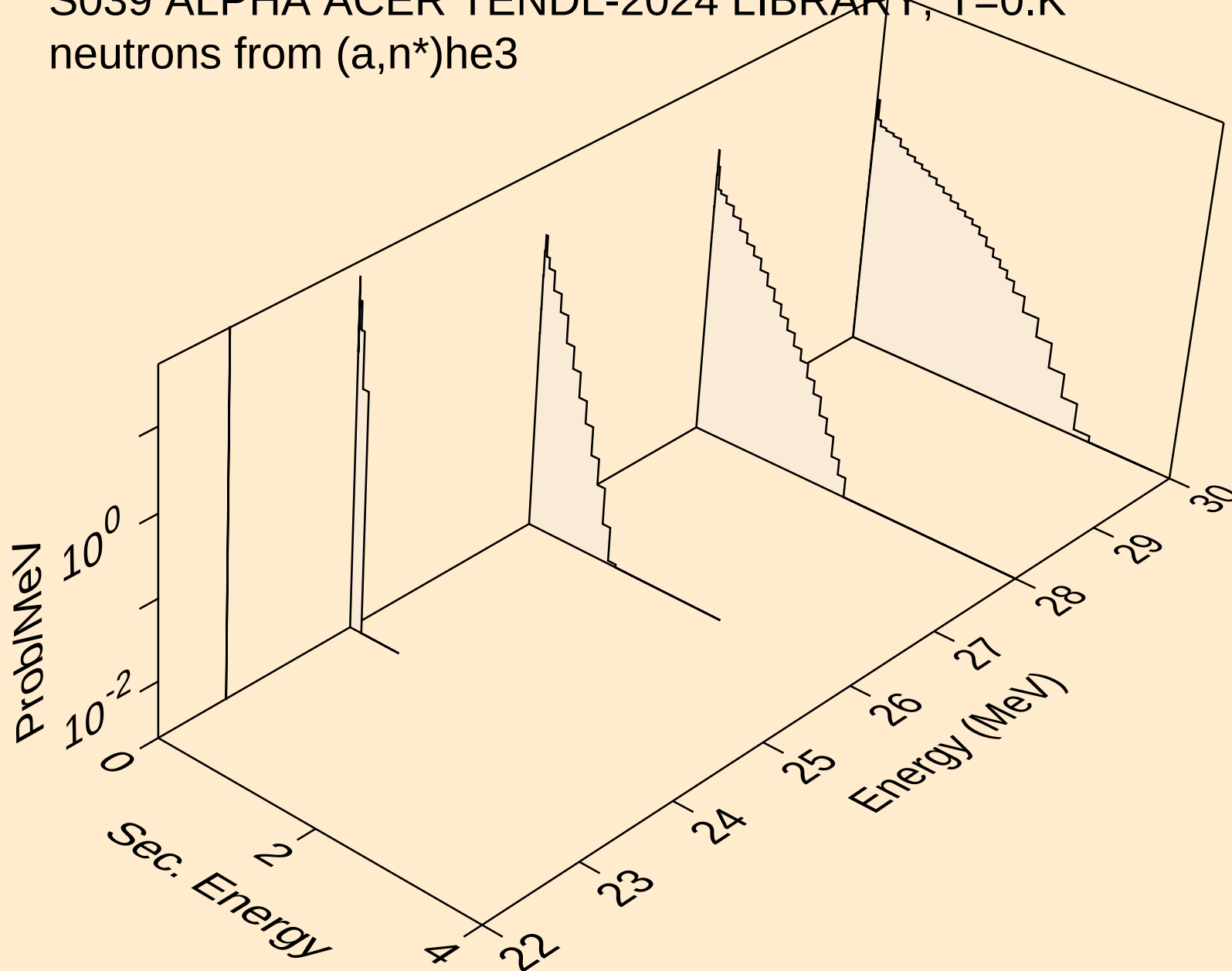
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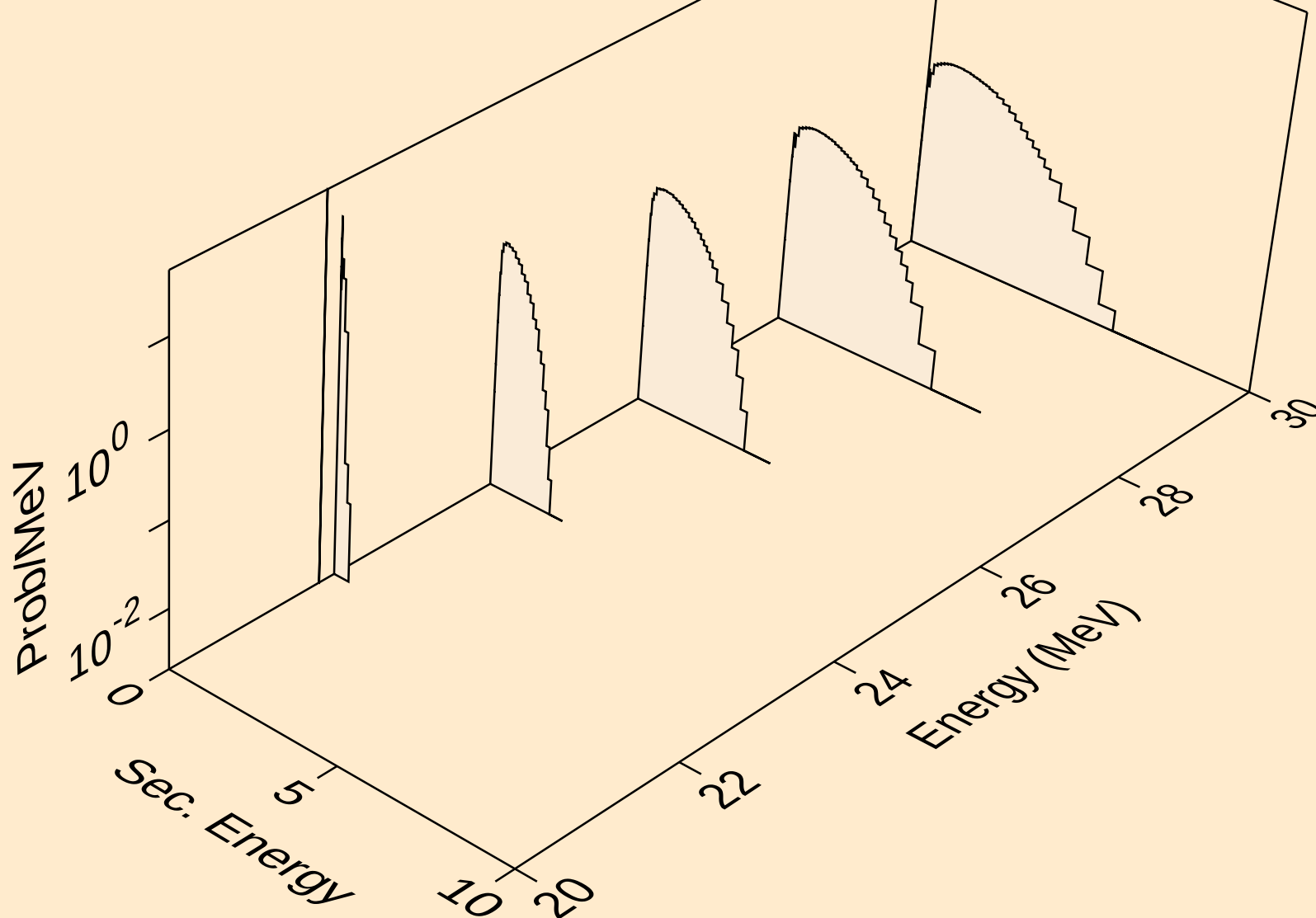
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neutrons from (a,n*)t



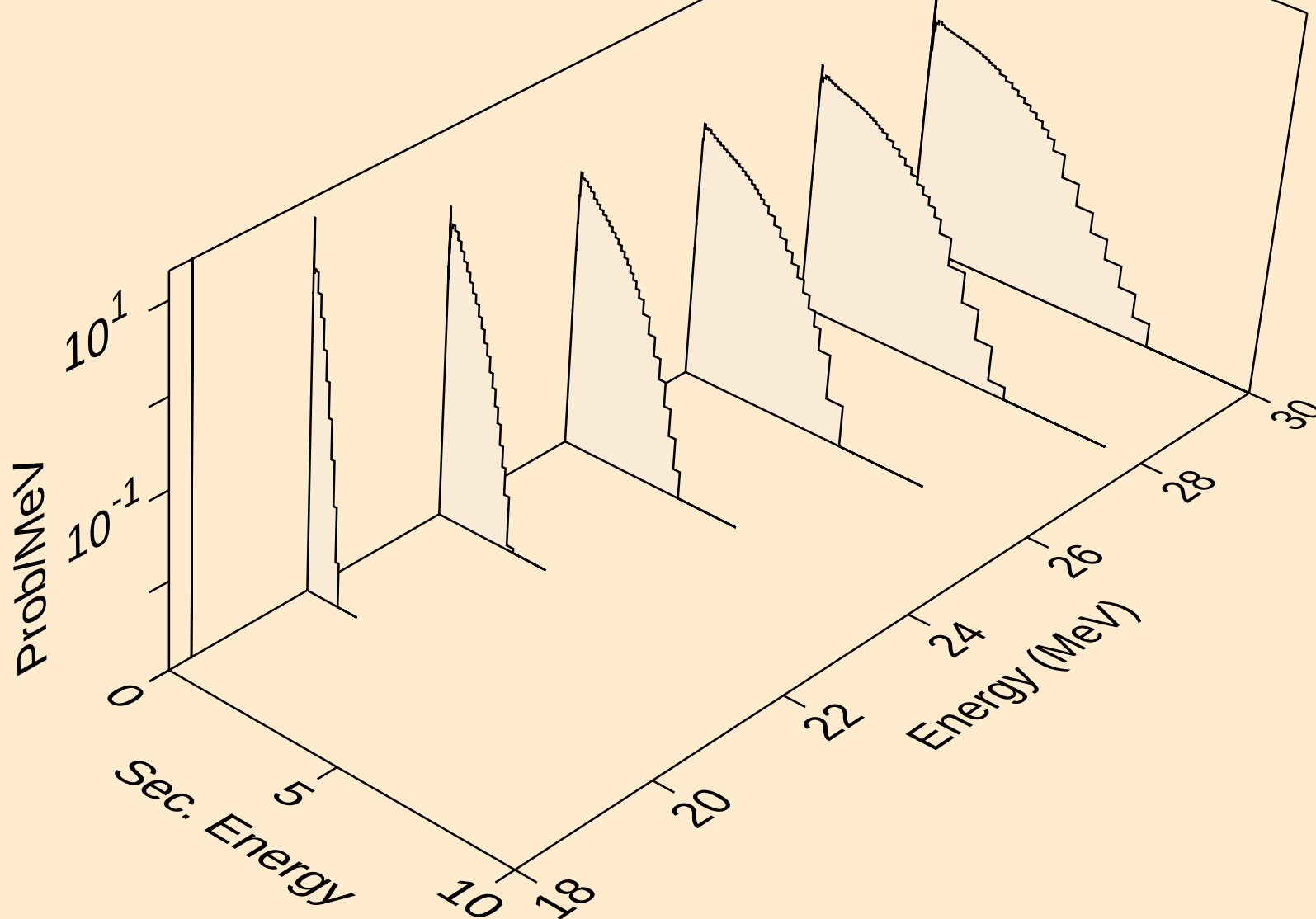
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neutrons from (a,n*)he3



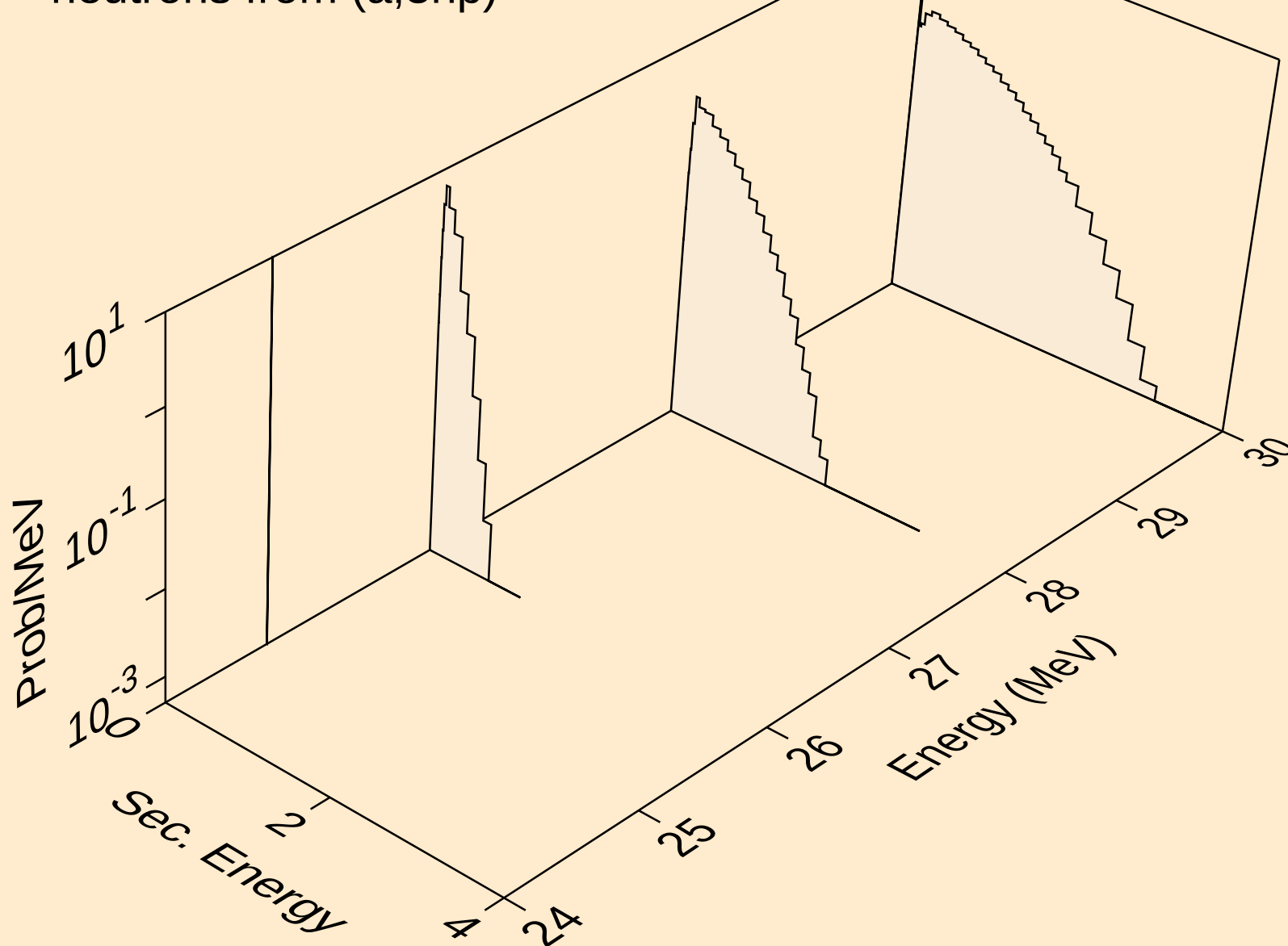
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neutrons from (a,4n)



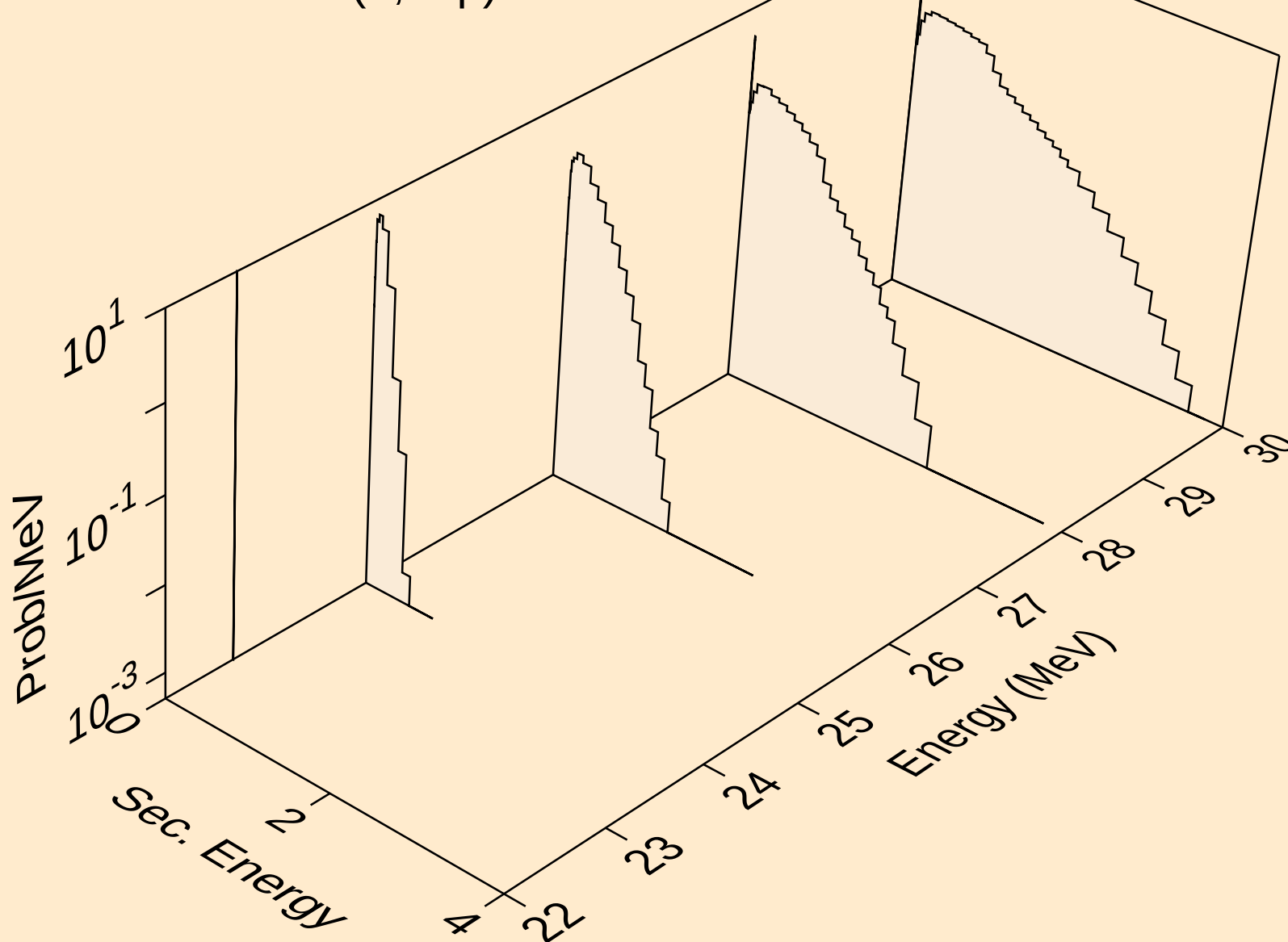
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neutrons from (a,2np)



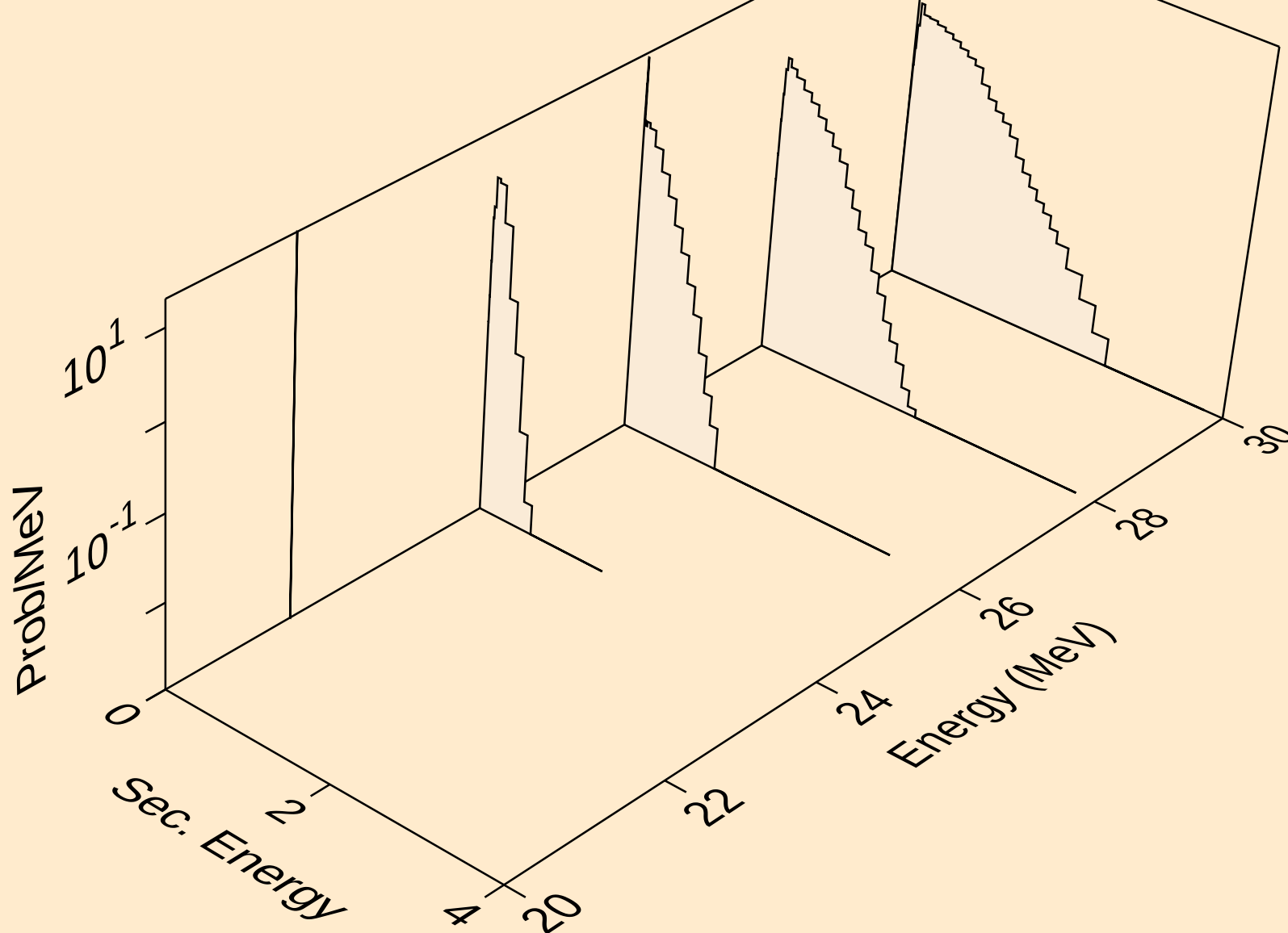
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neutrons from (a,3np)



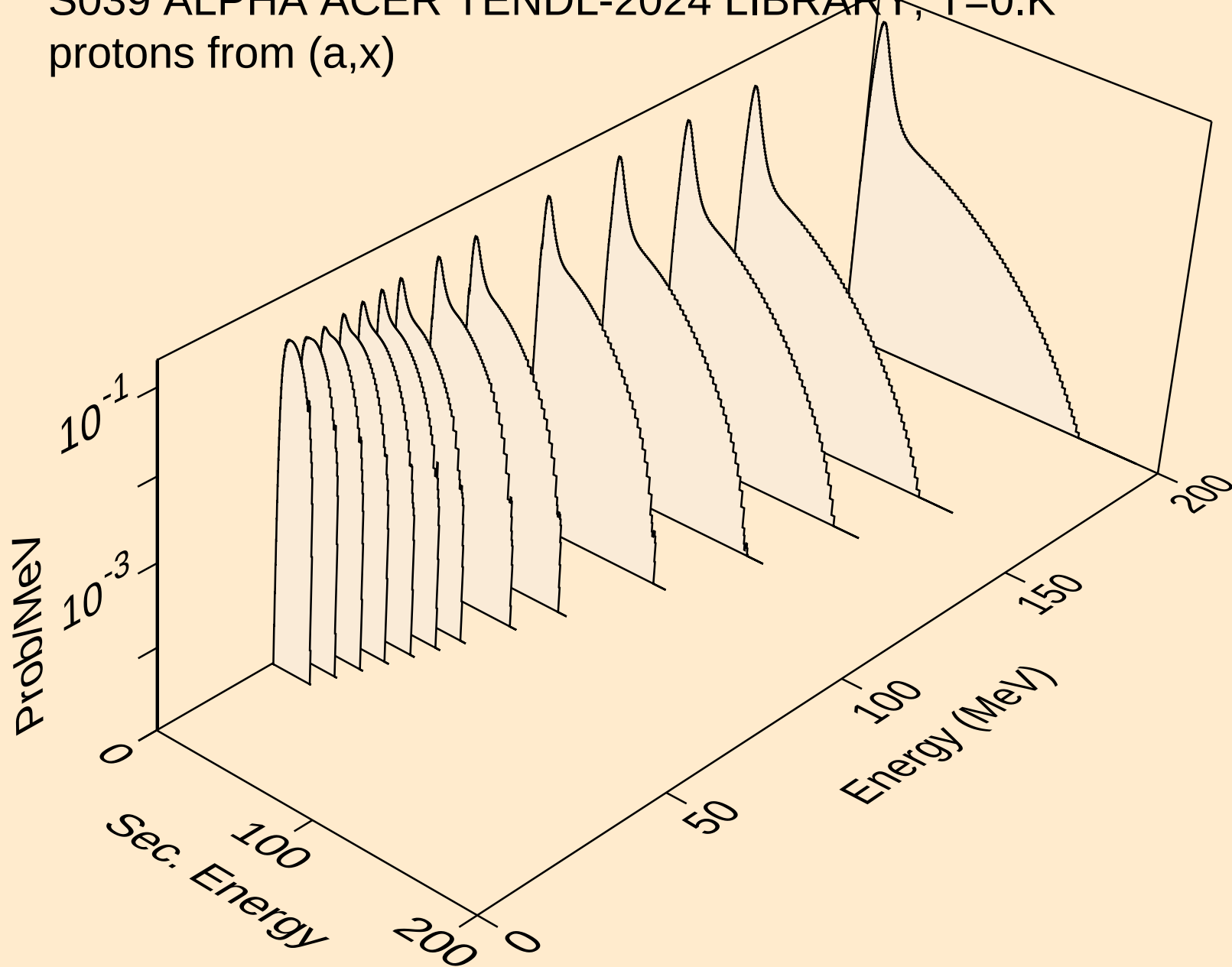
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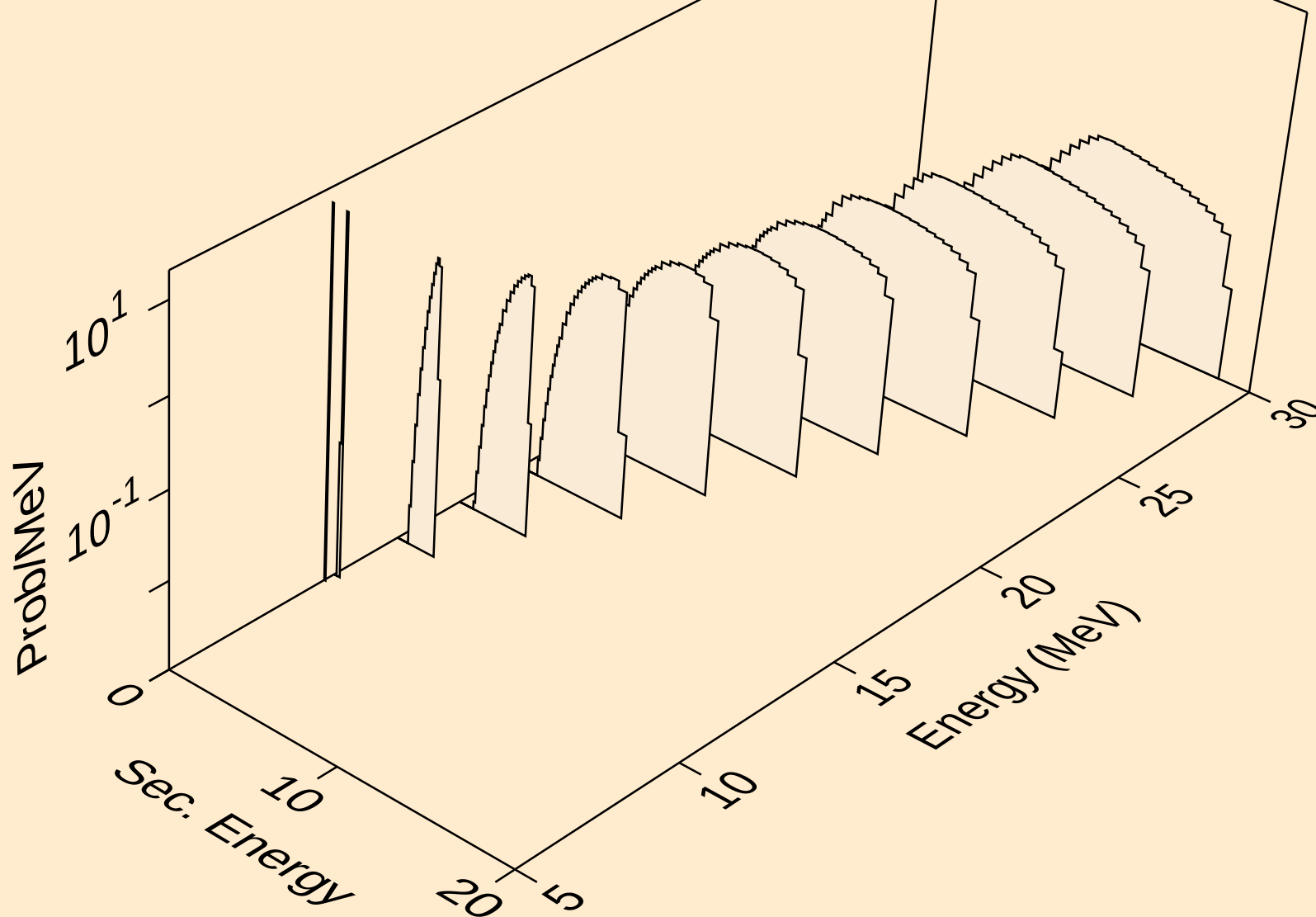
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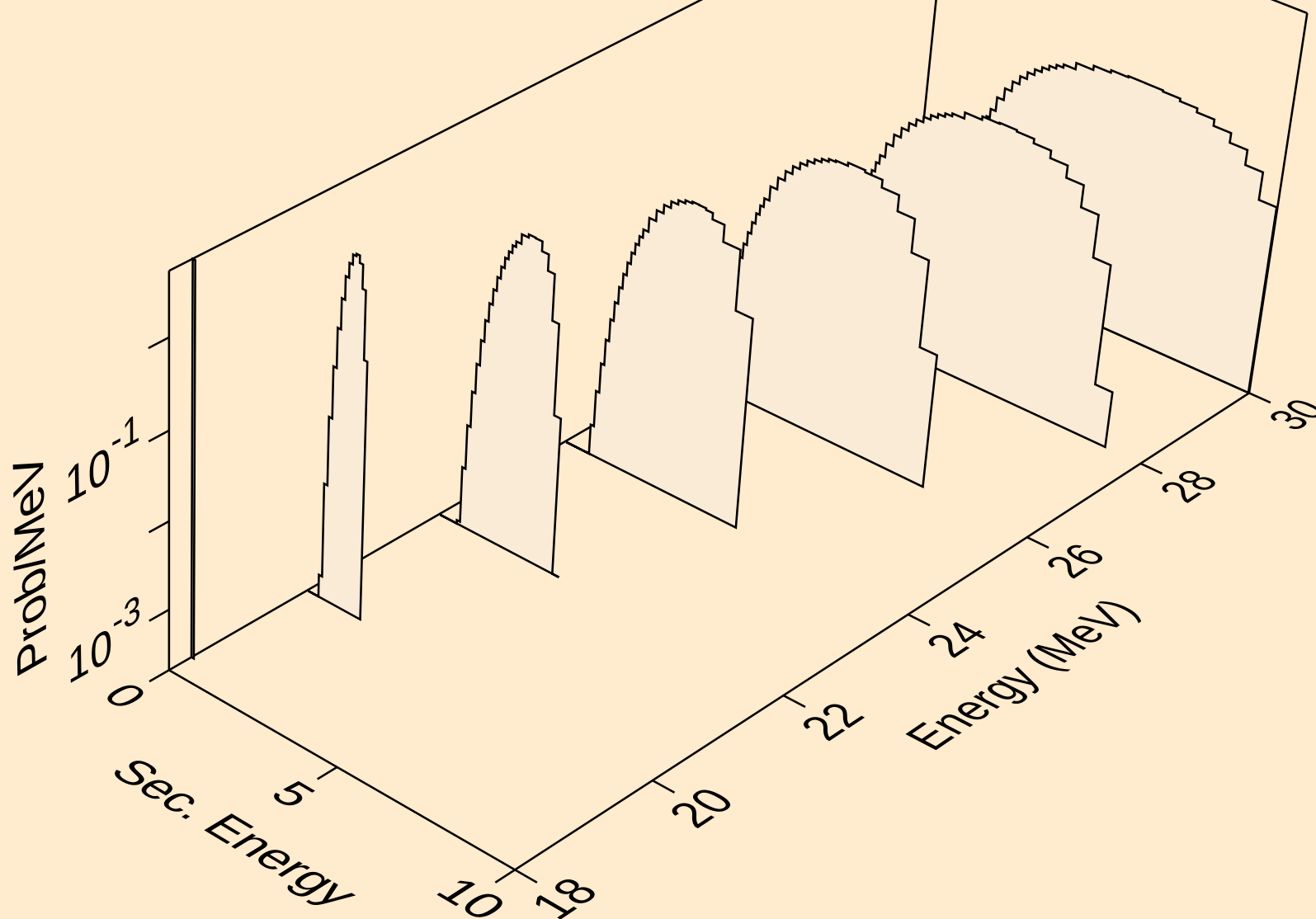
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protons from (a,x)



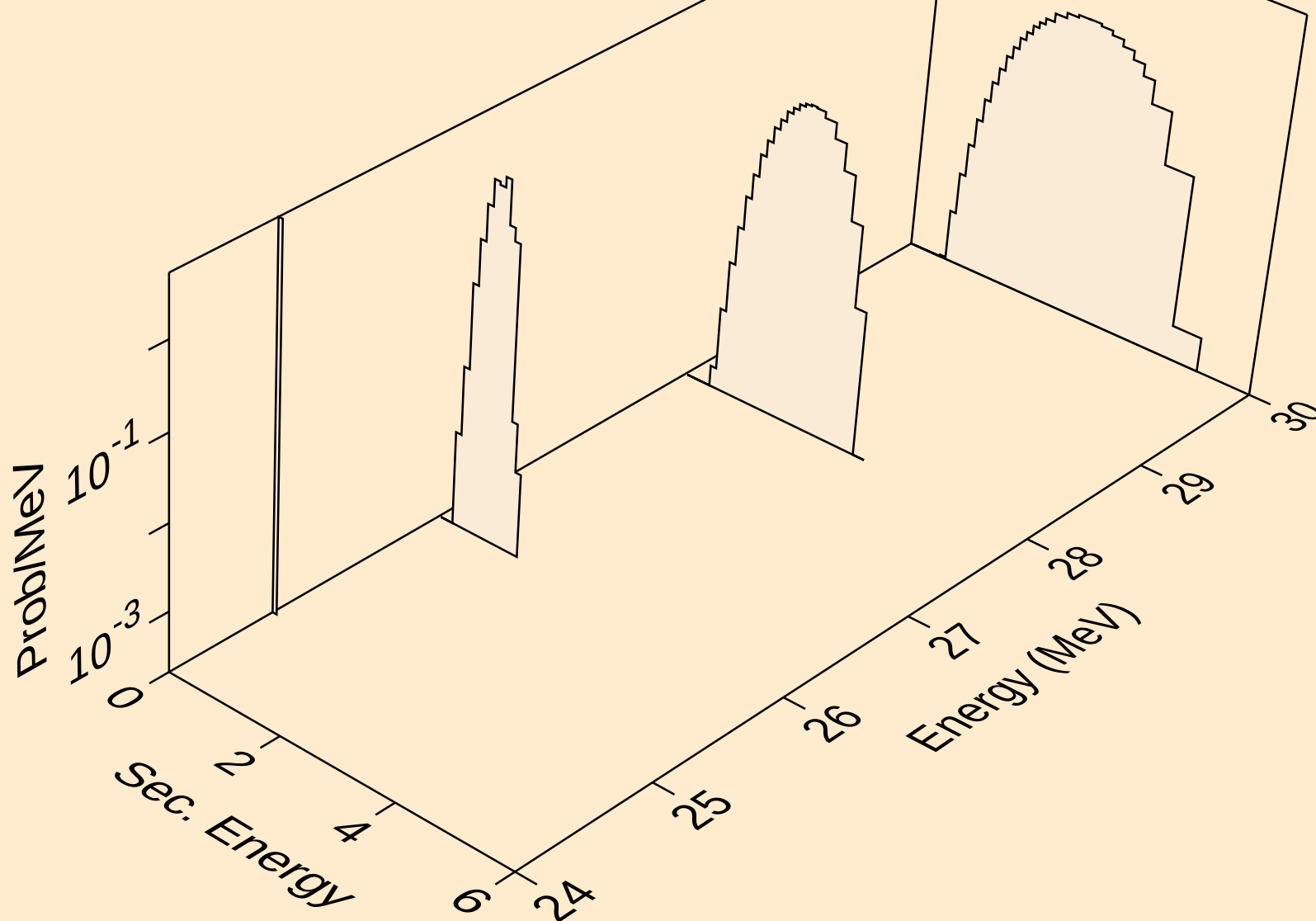
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protons from (a,n*)p



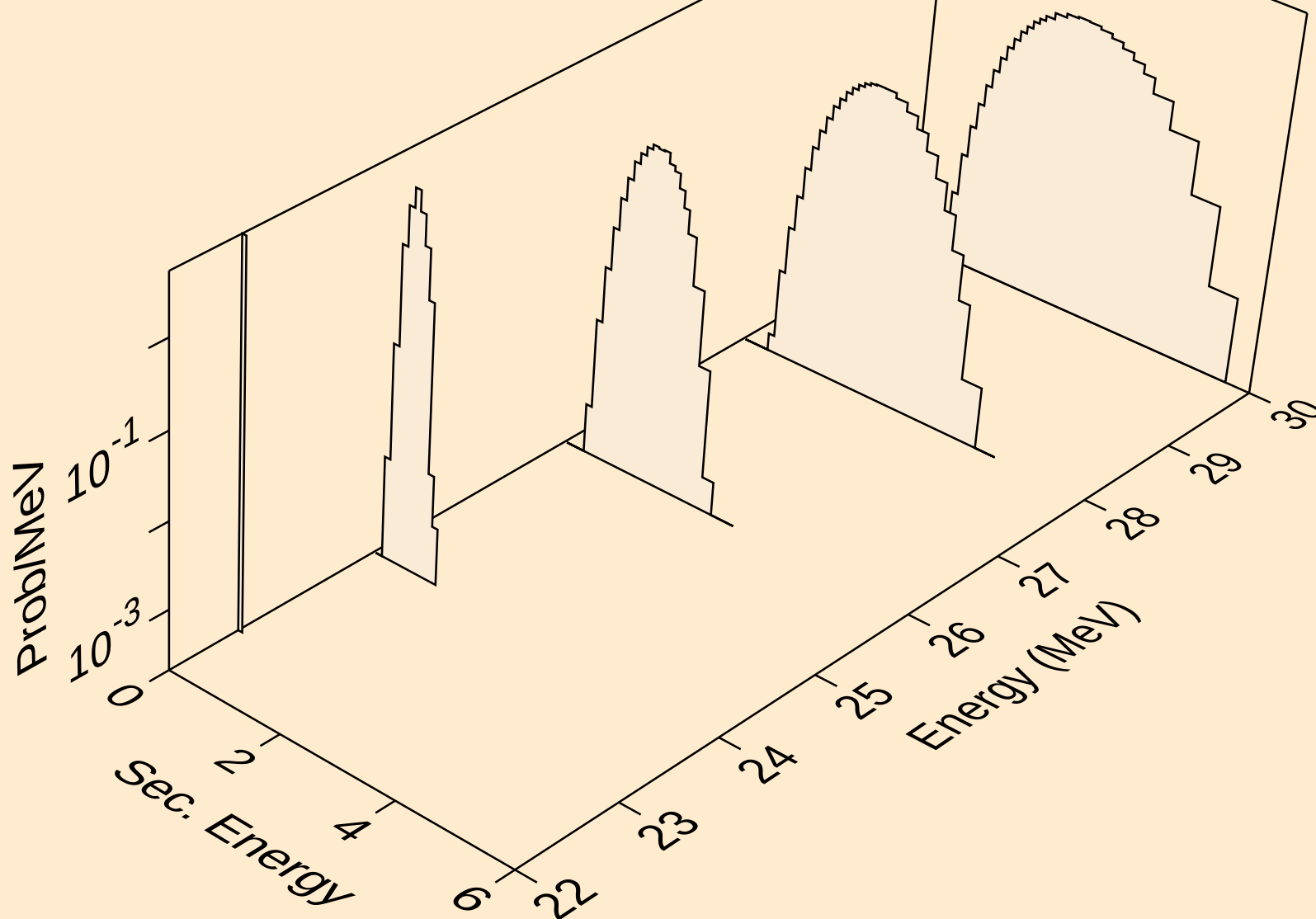
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protons from (a,2np)



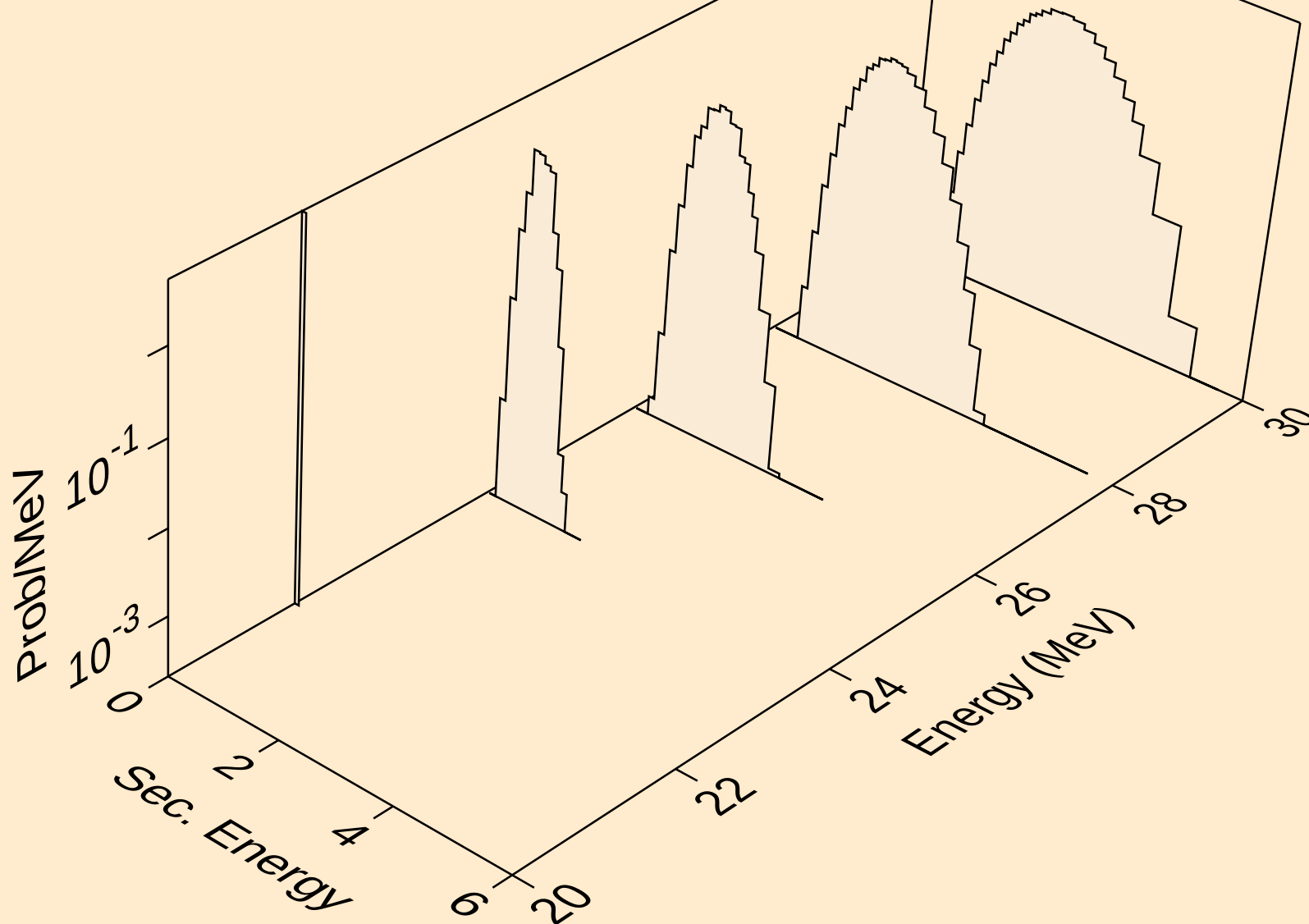
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protons from (a,3np)



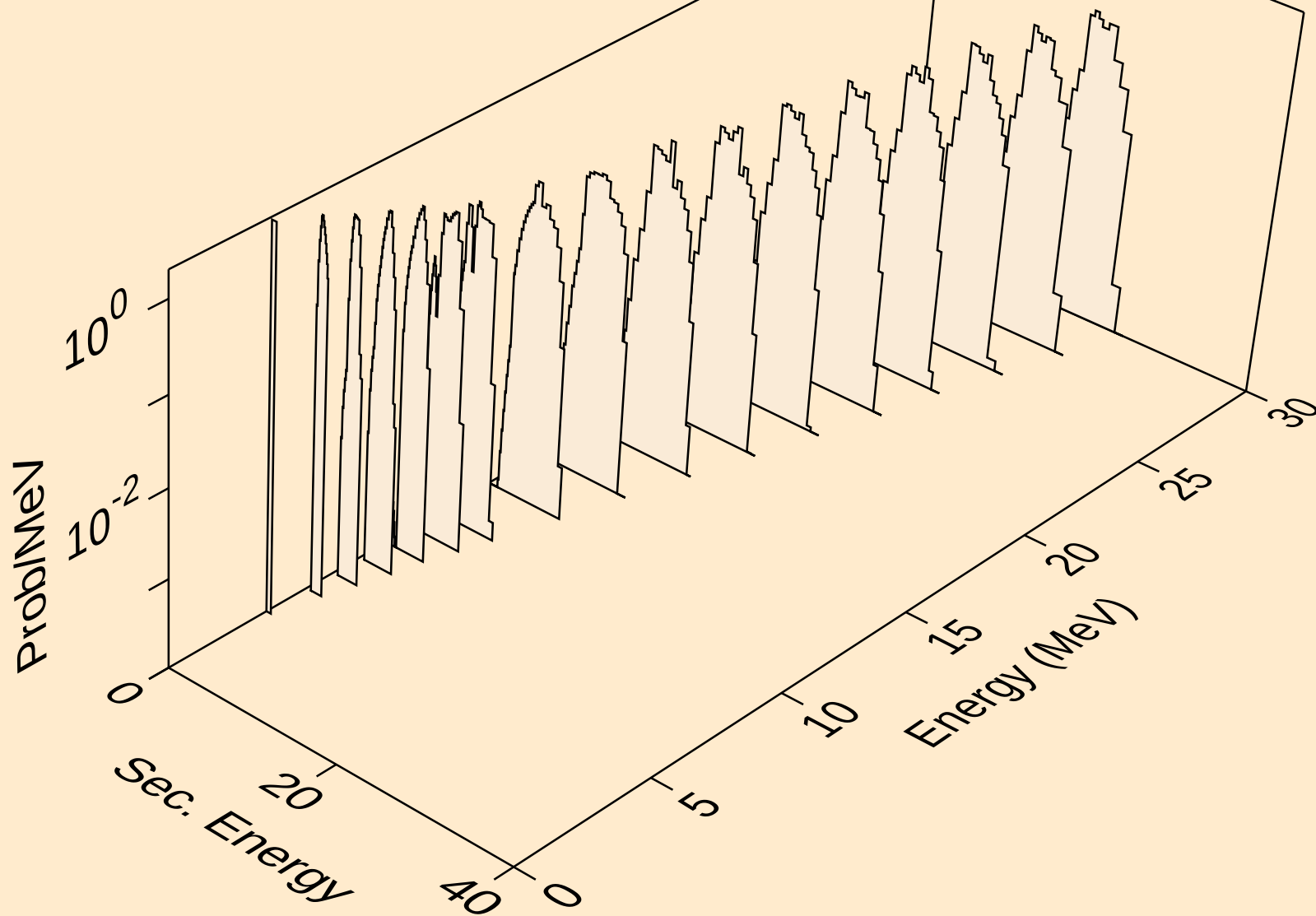
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protons from (a,n2p)



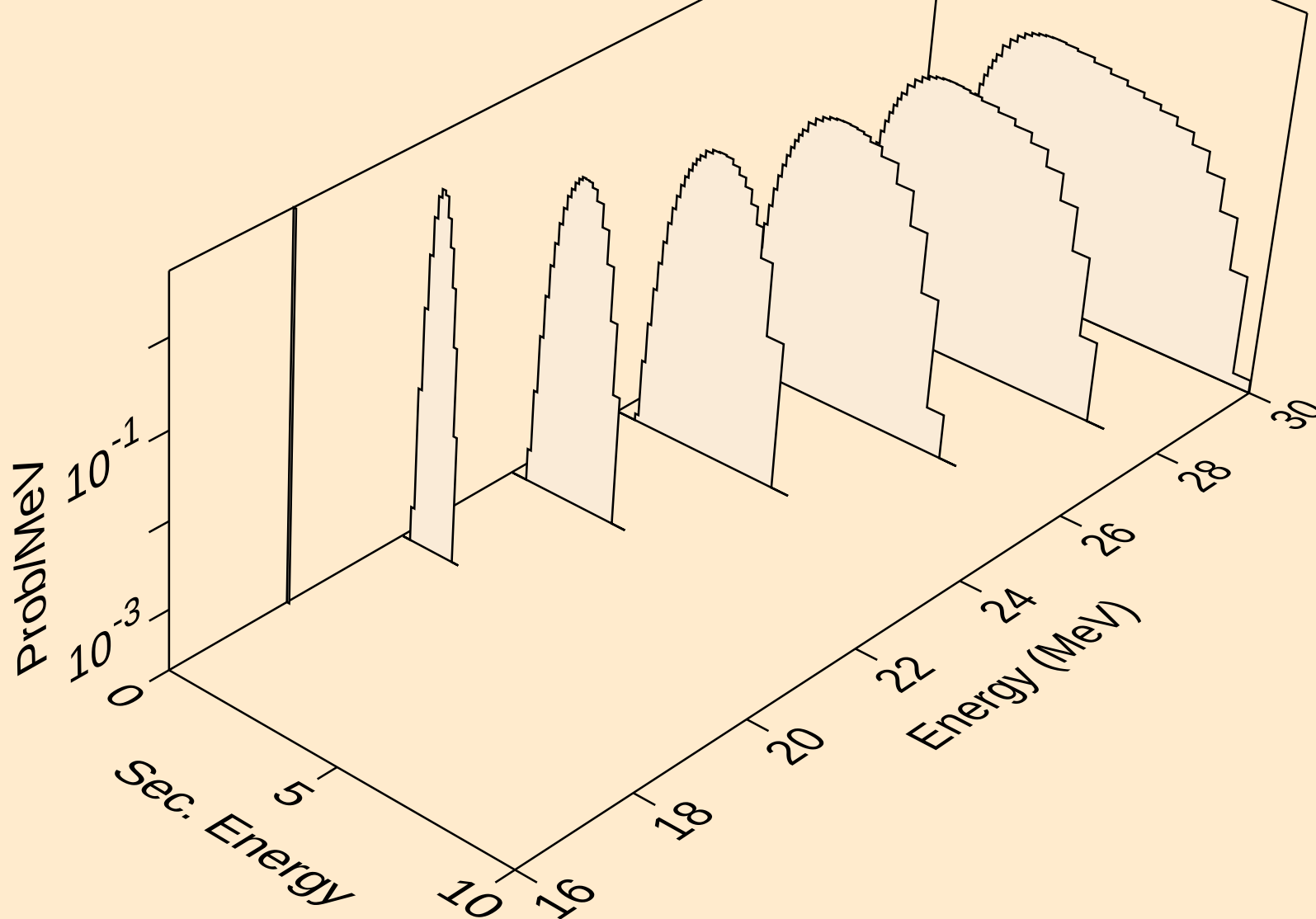
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protons from (a,npa)



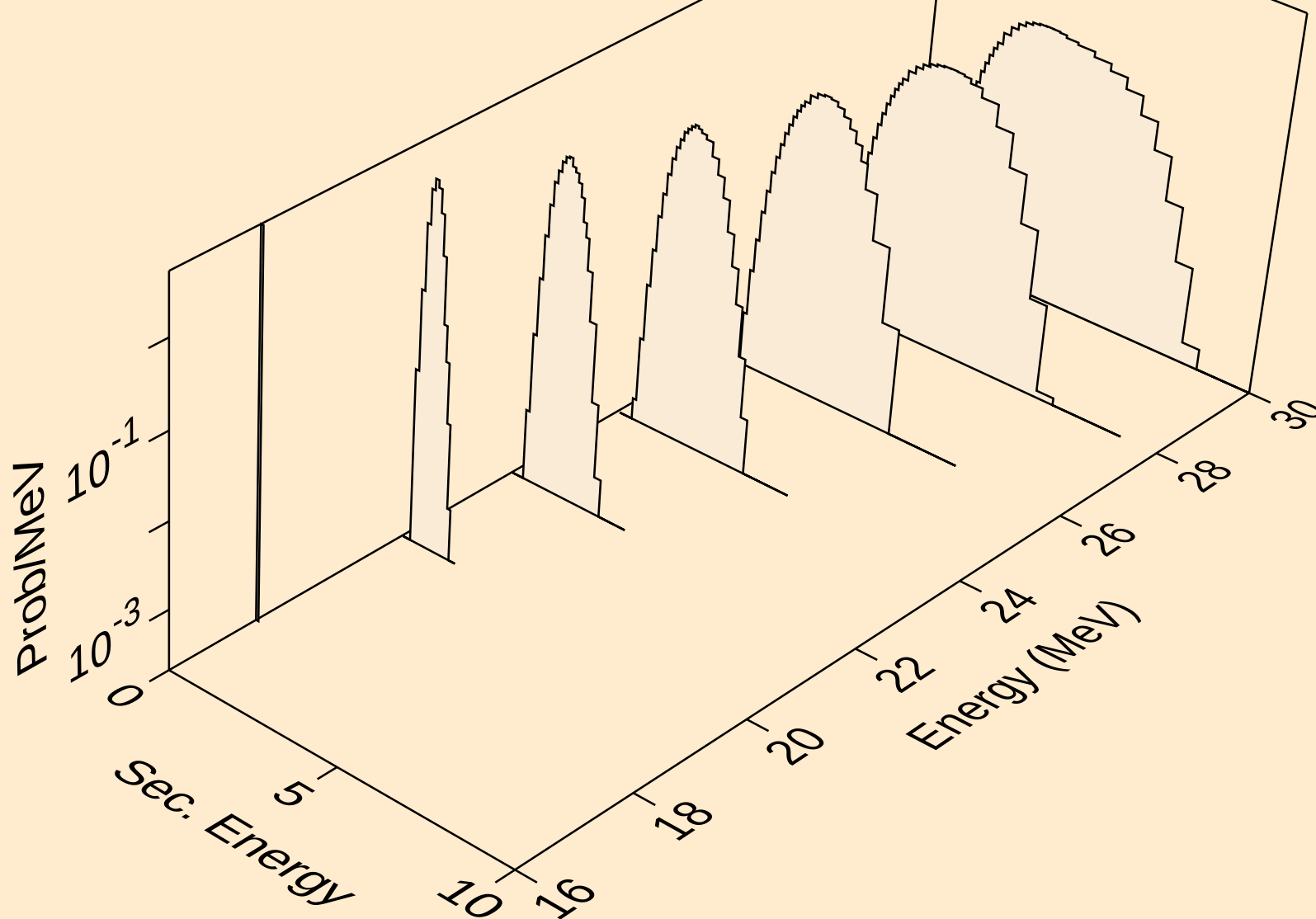
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protons from (a,p)



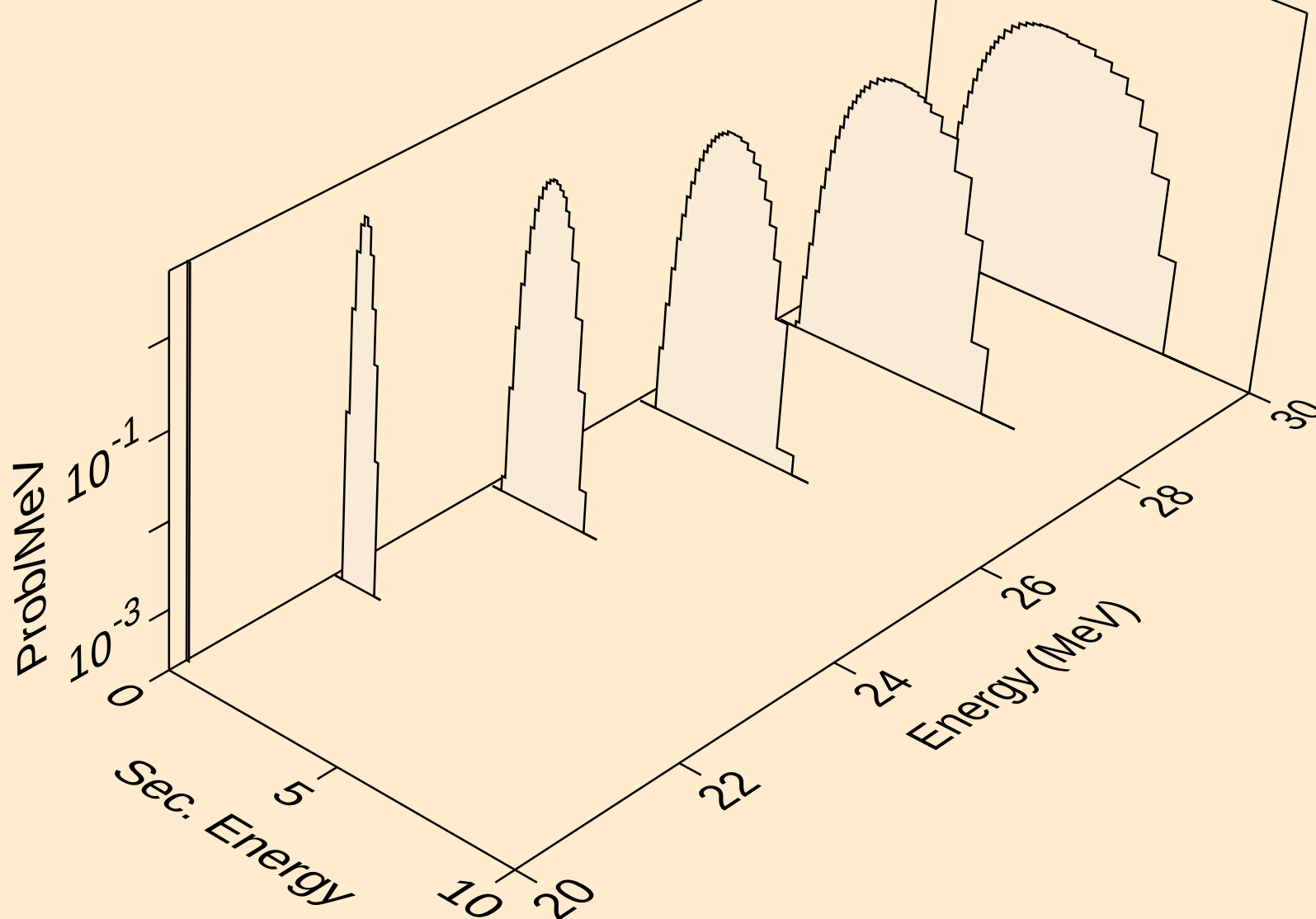
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protons from (a,2p)



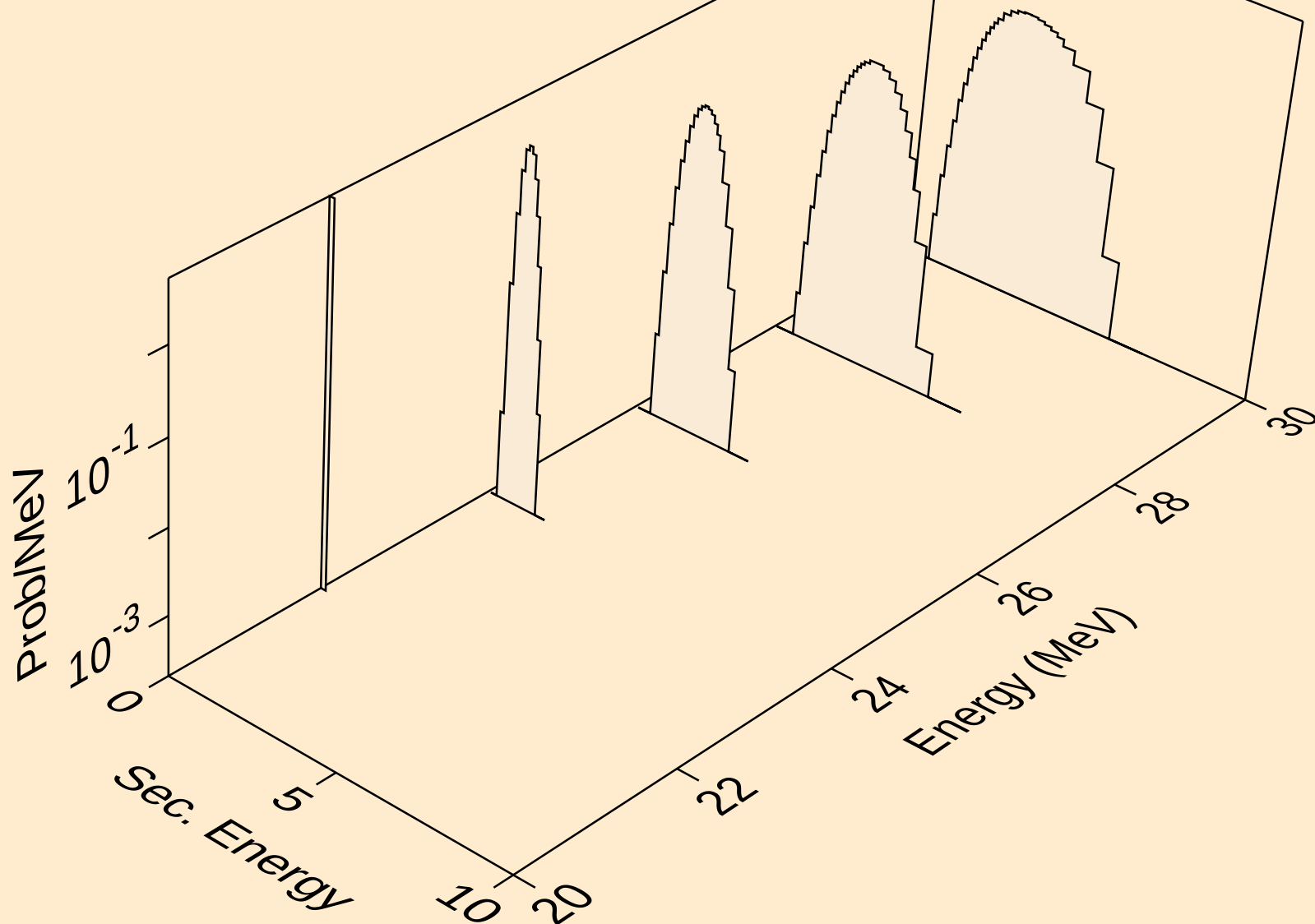
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protons from (a,pa)



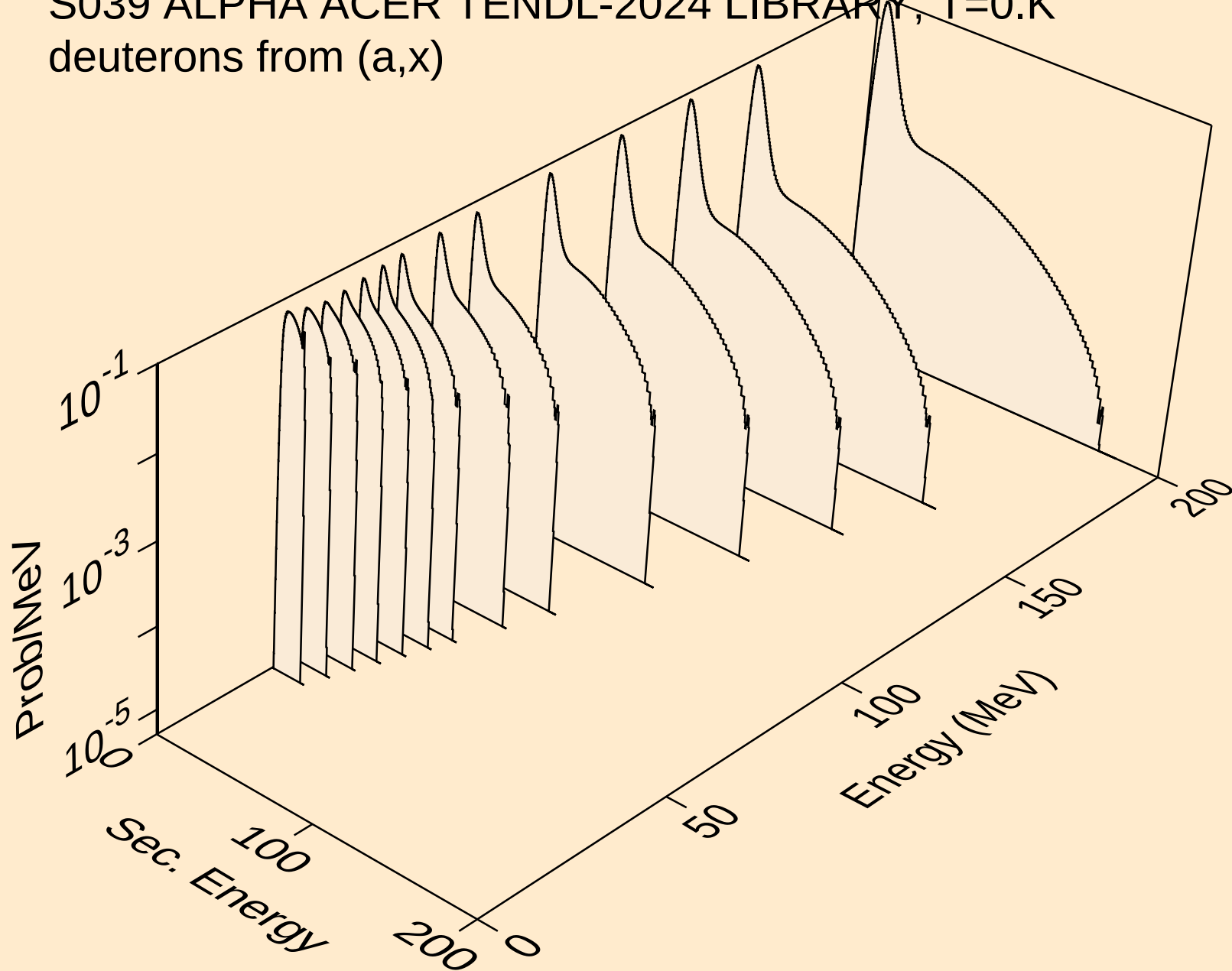
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protons from (a,pd)



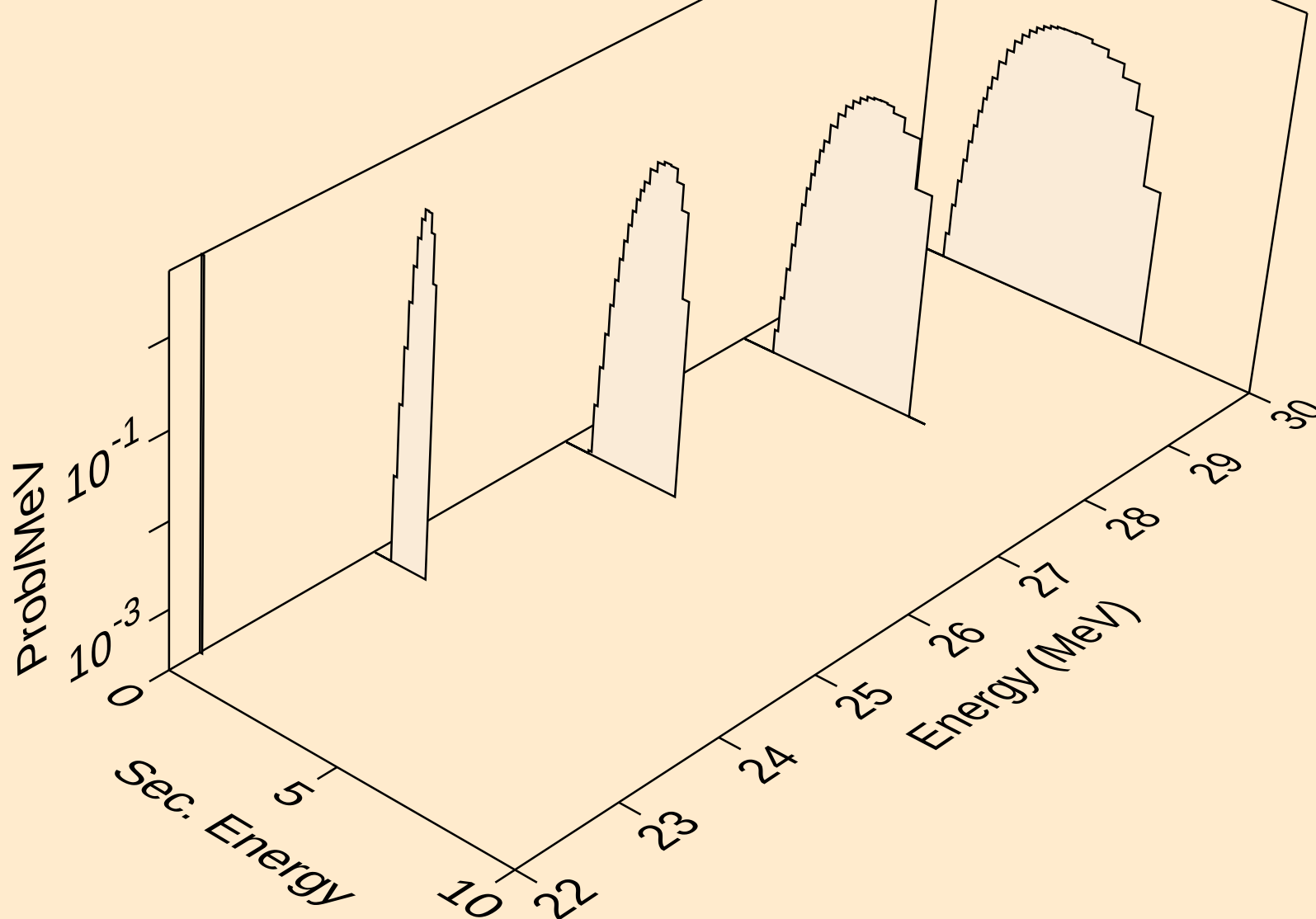
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protons from (a,pt)



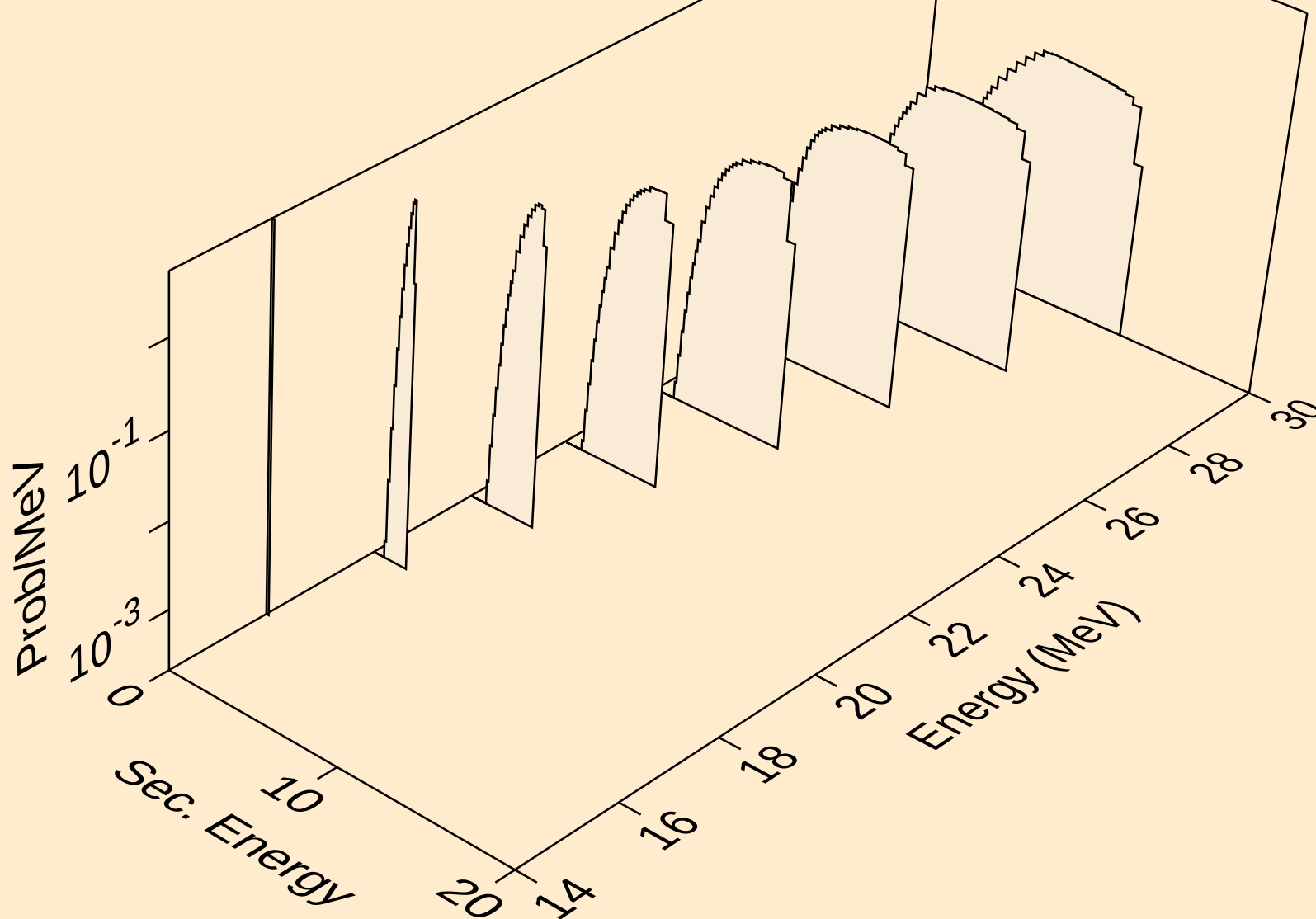
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deuterons from (a,x)



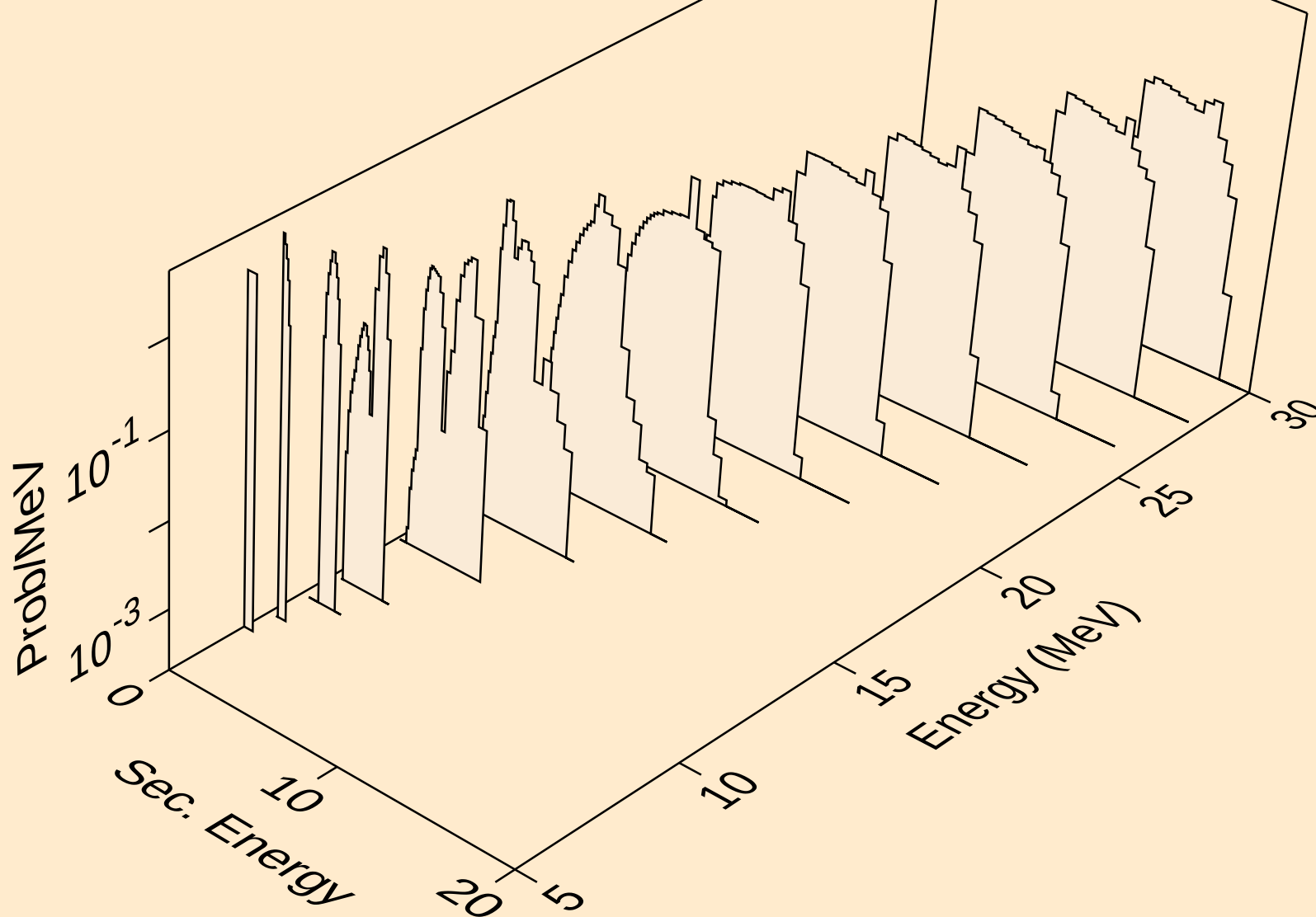
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deuterons from (a,2nd)



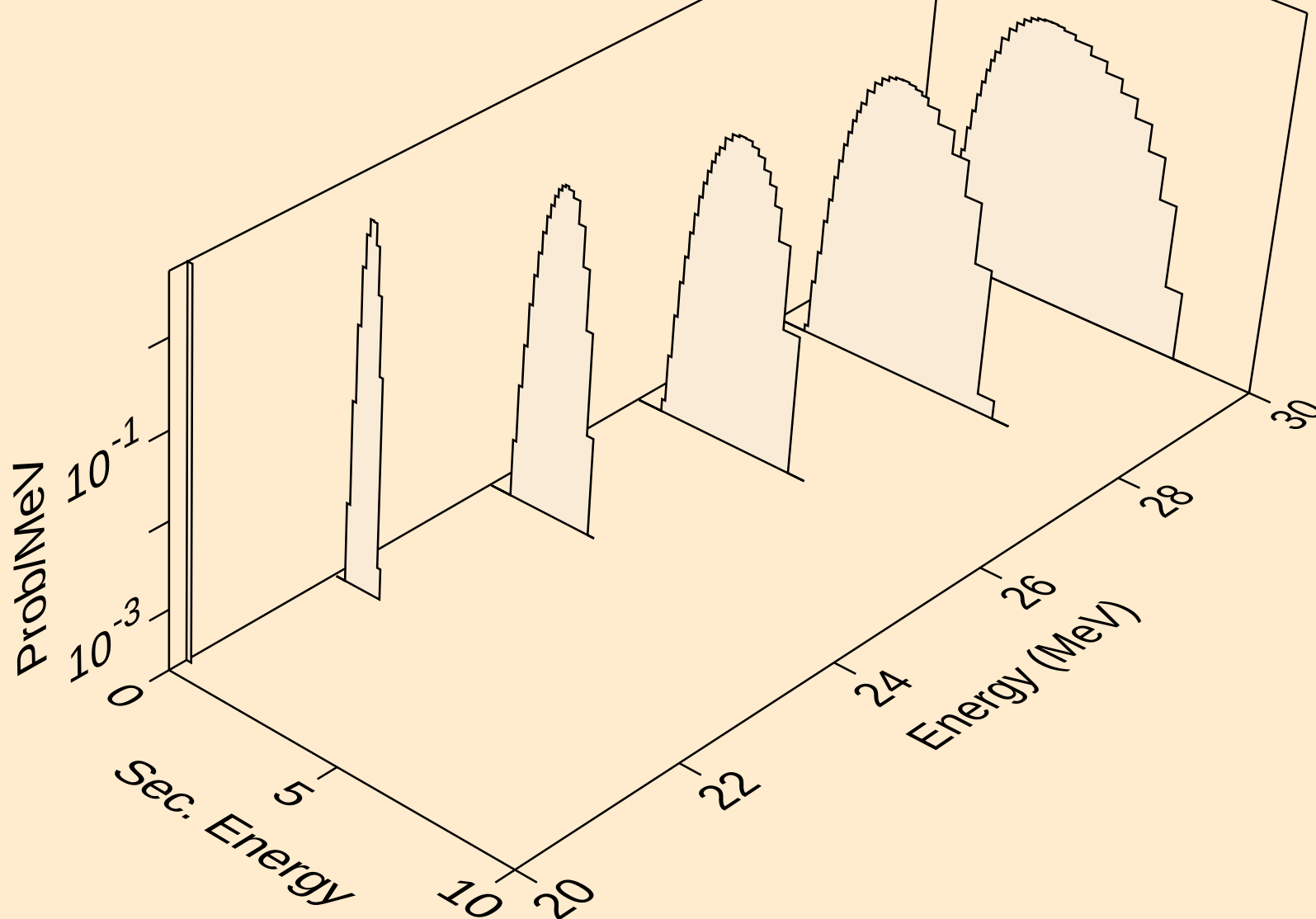
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deuterons from (a,n*)d



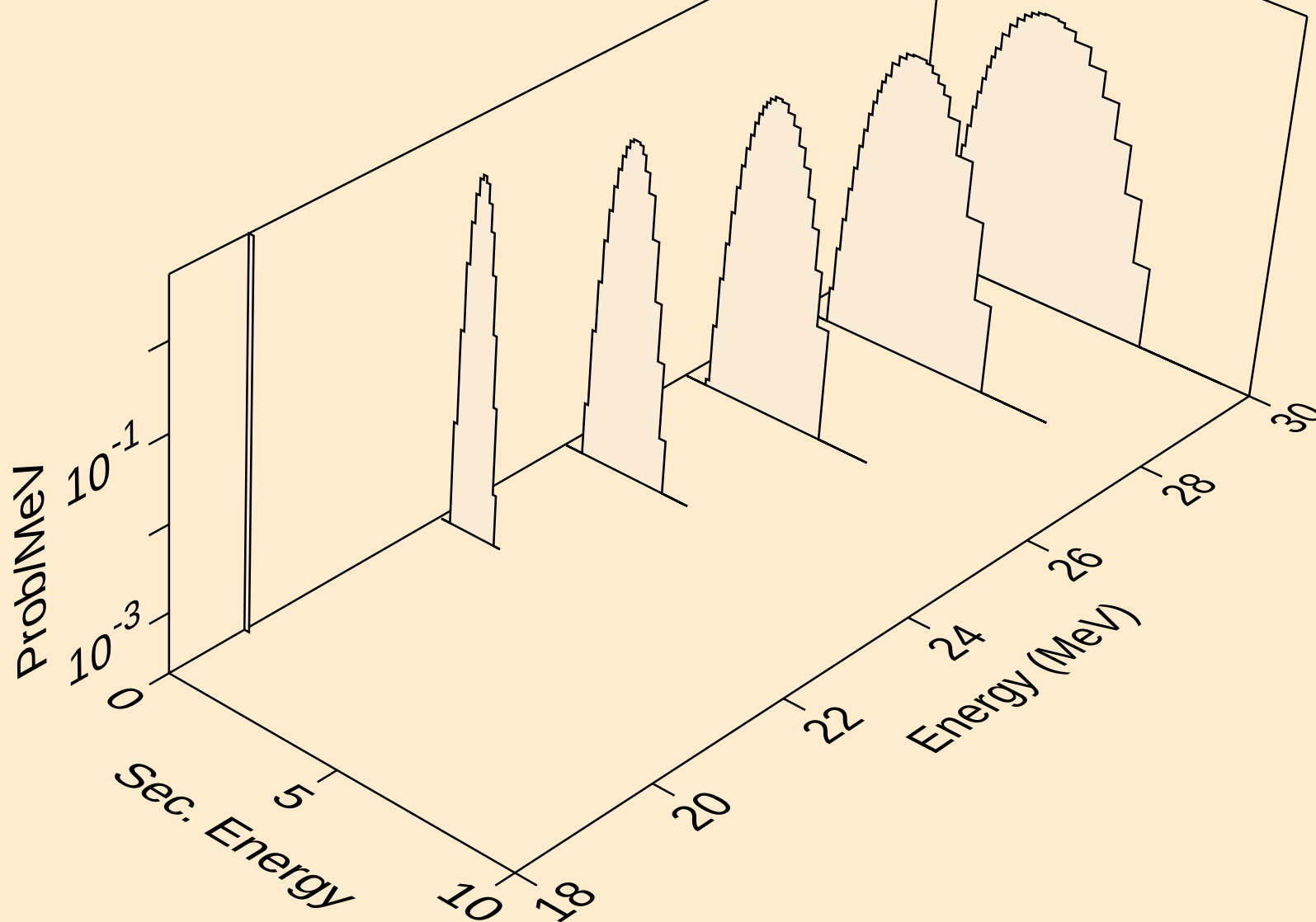
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deuterons from (a,d)



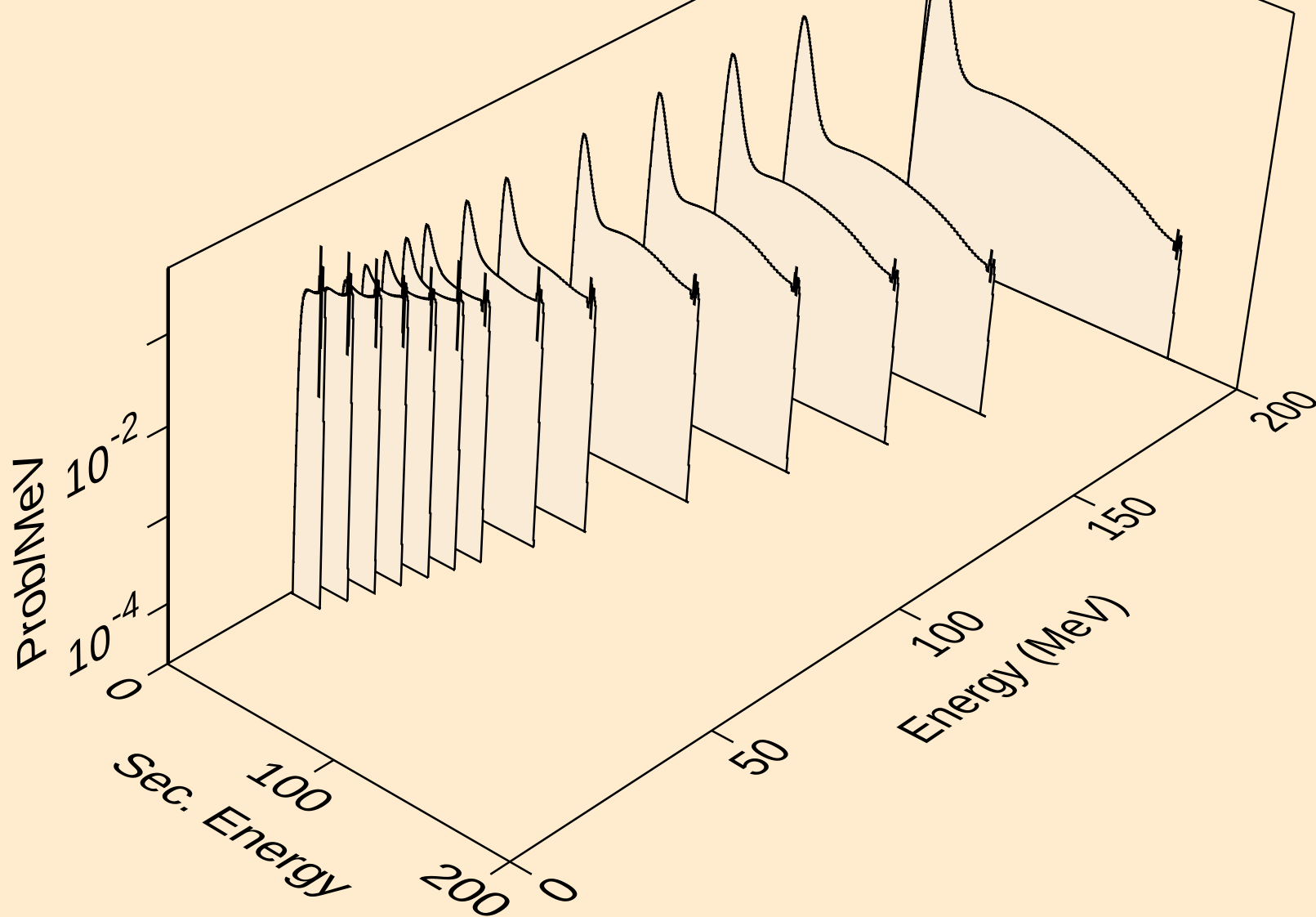
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deuterons from (a,pd)



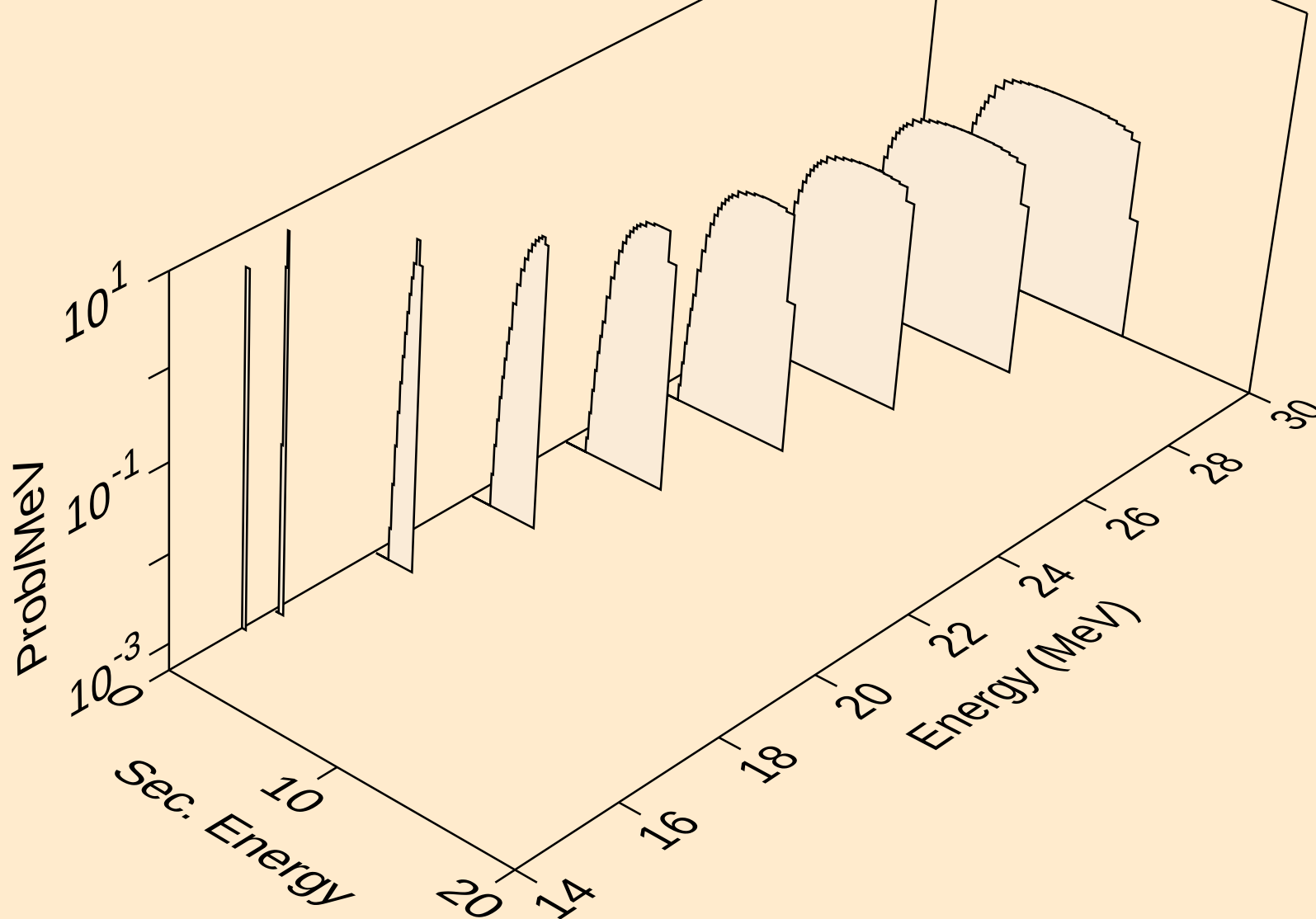
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deuterons from (a,da)



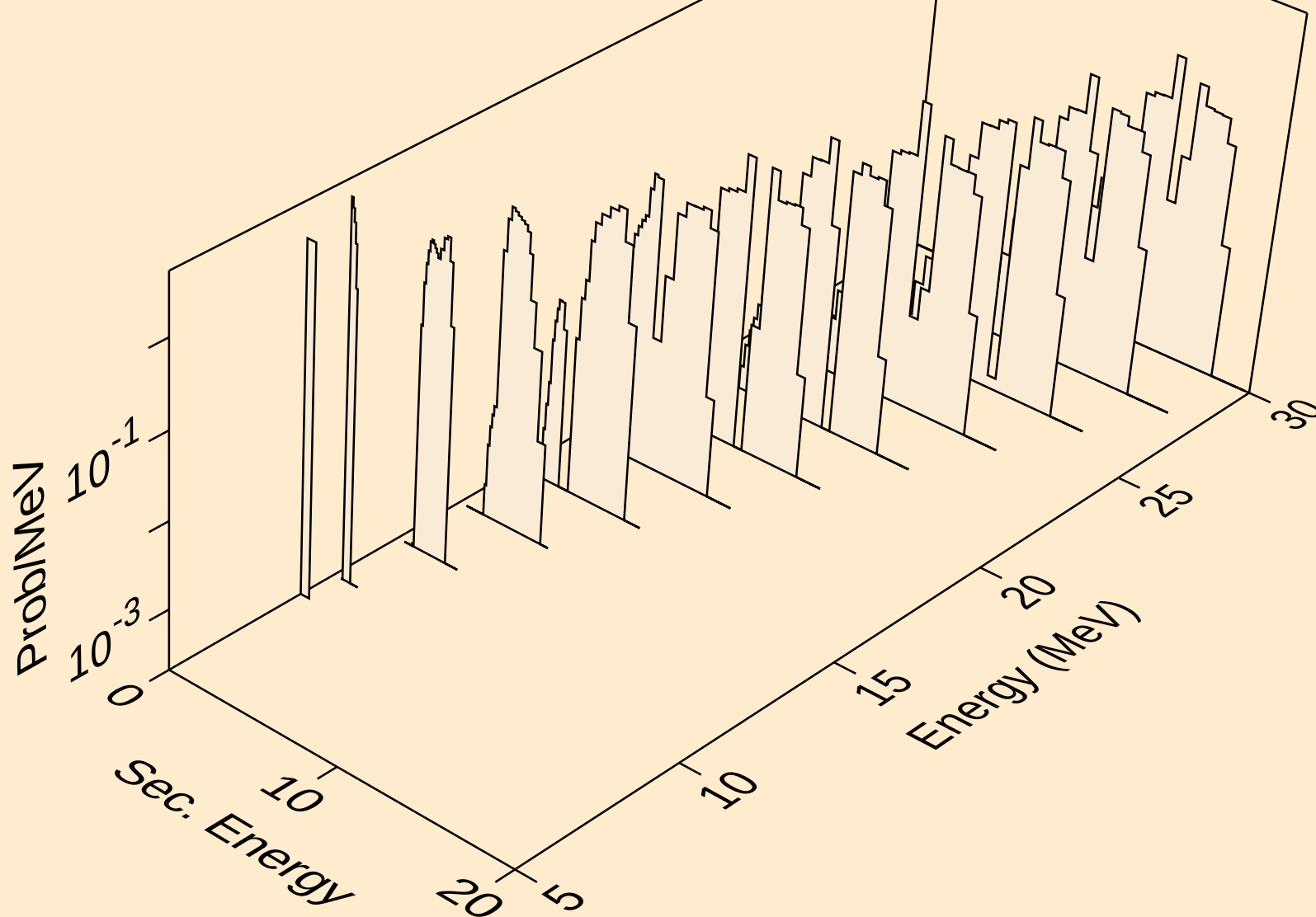
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tritons from (a,x)



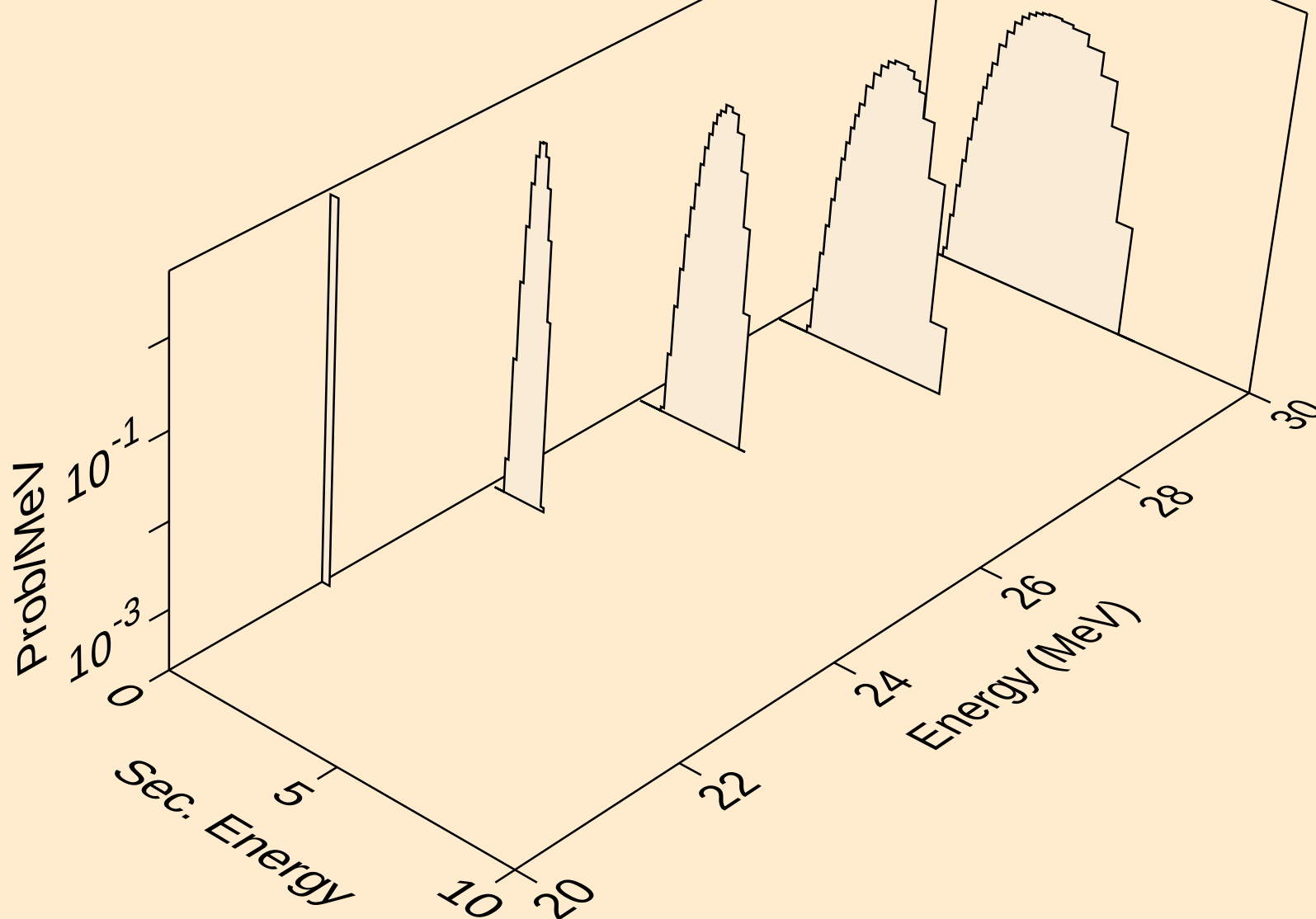
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tritons from (a,n*)t



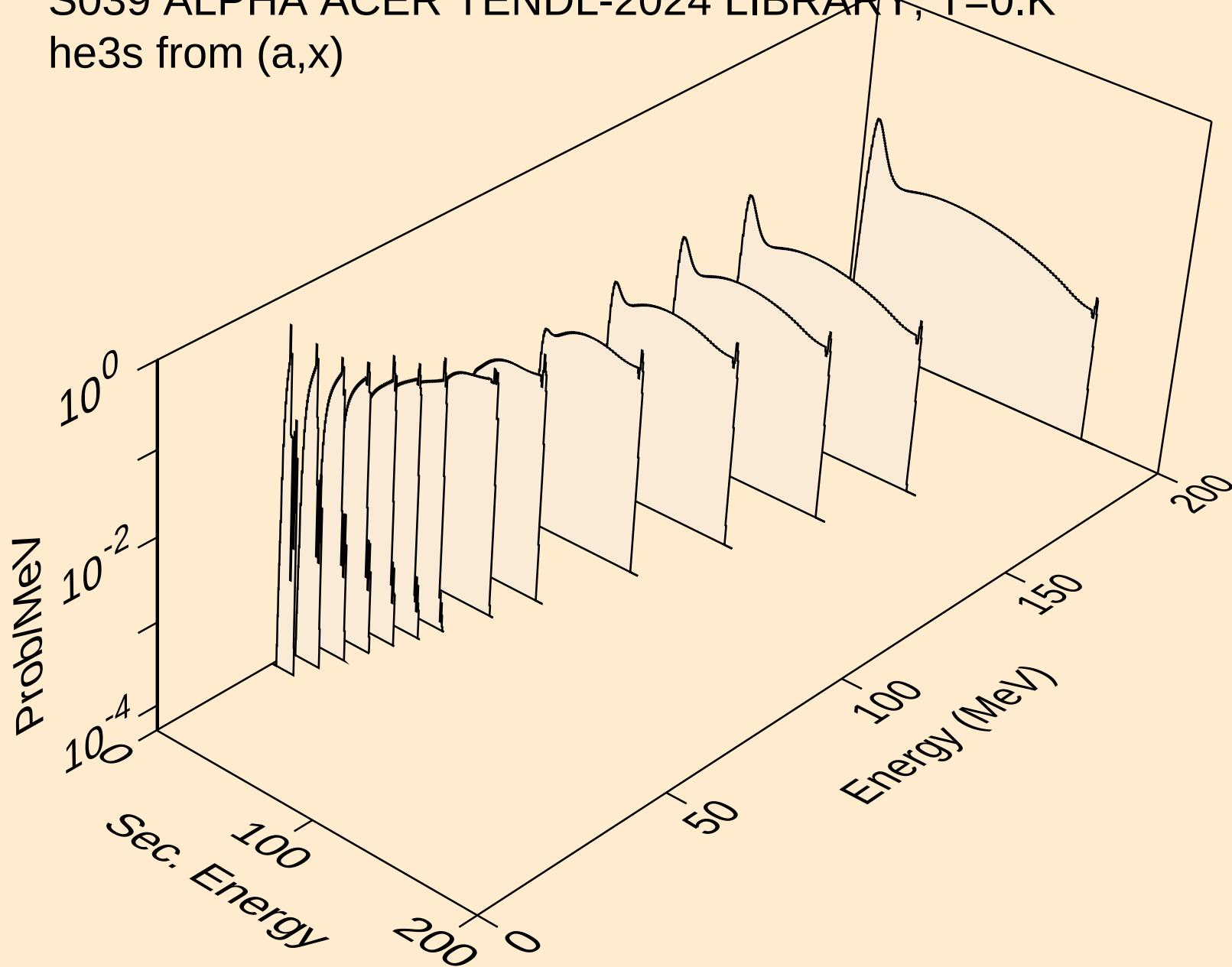
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tritons from (a,t)



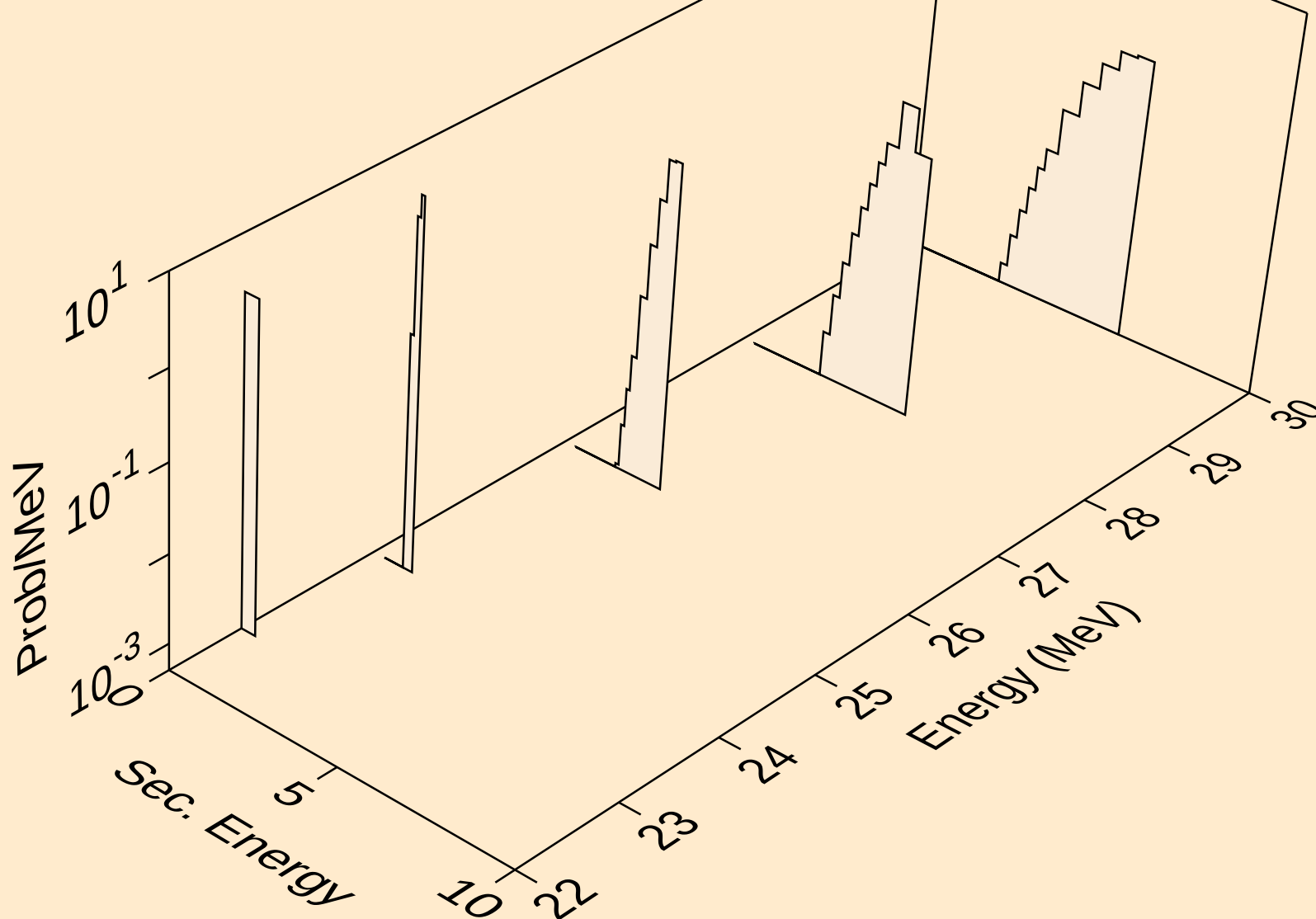
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tritons from (a,pt)



S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,x)



S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,n*)he3



S039 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,he3)

