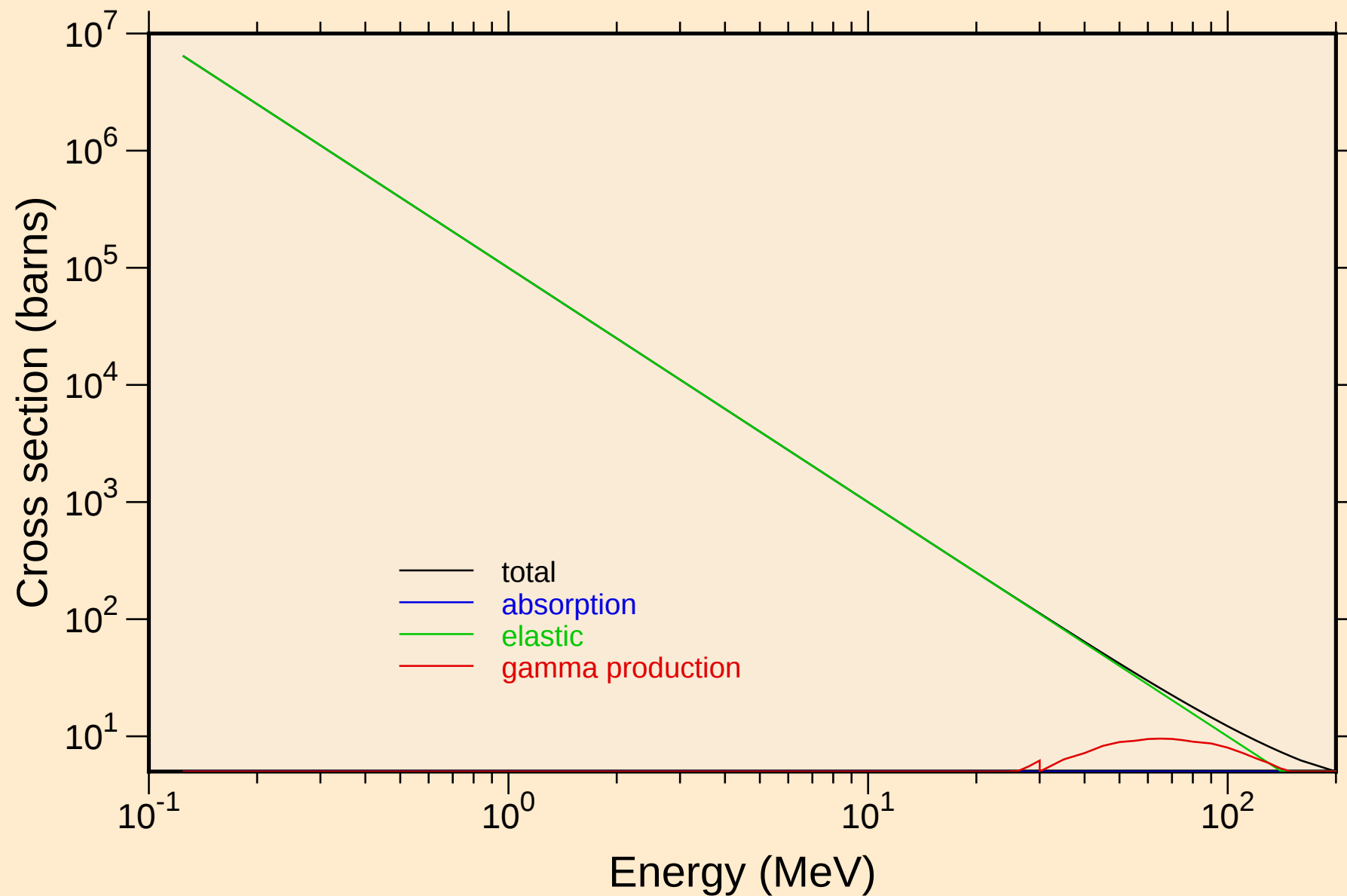


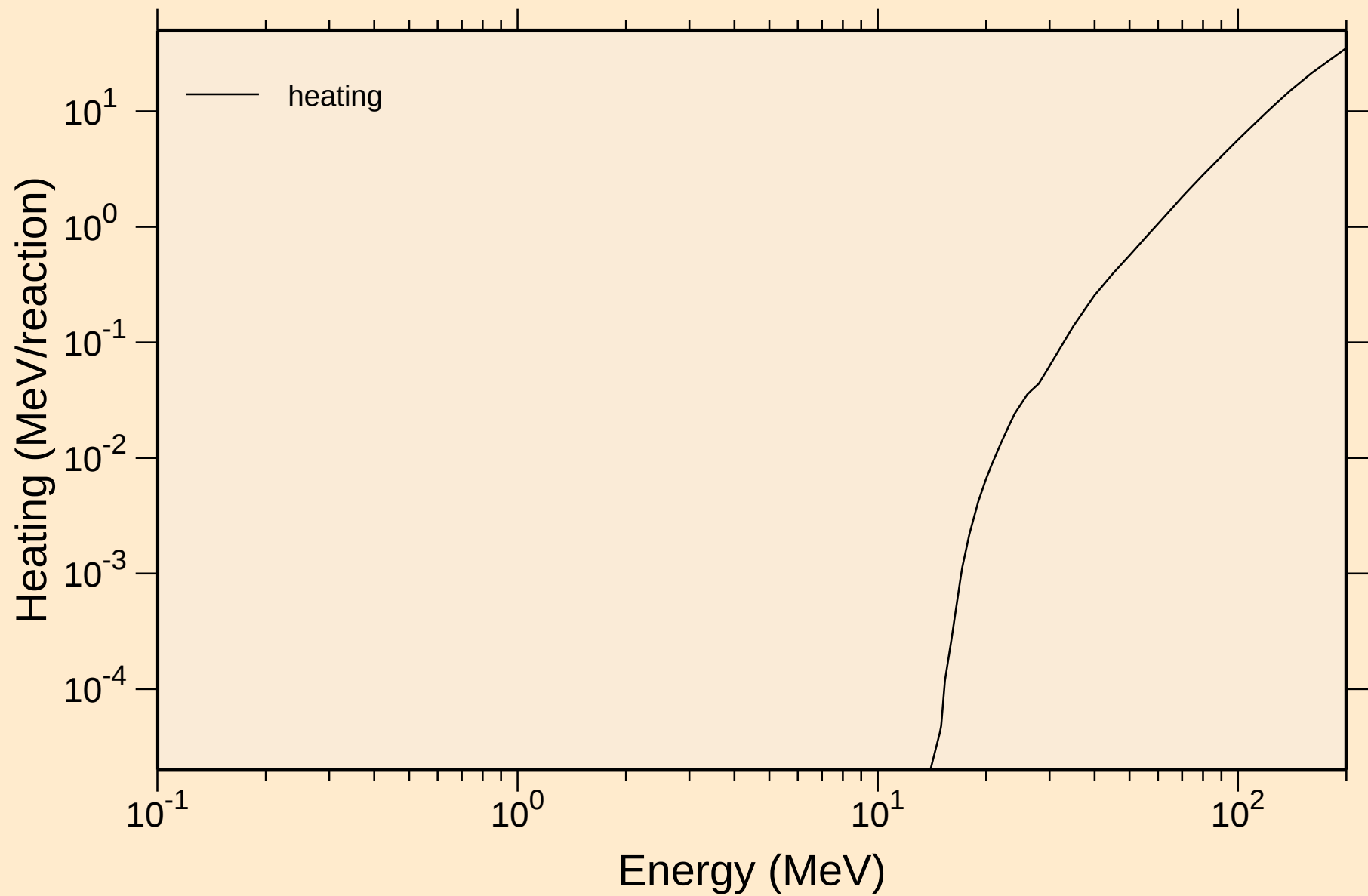
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



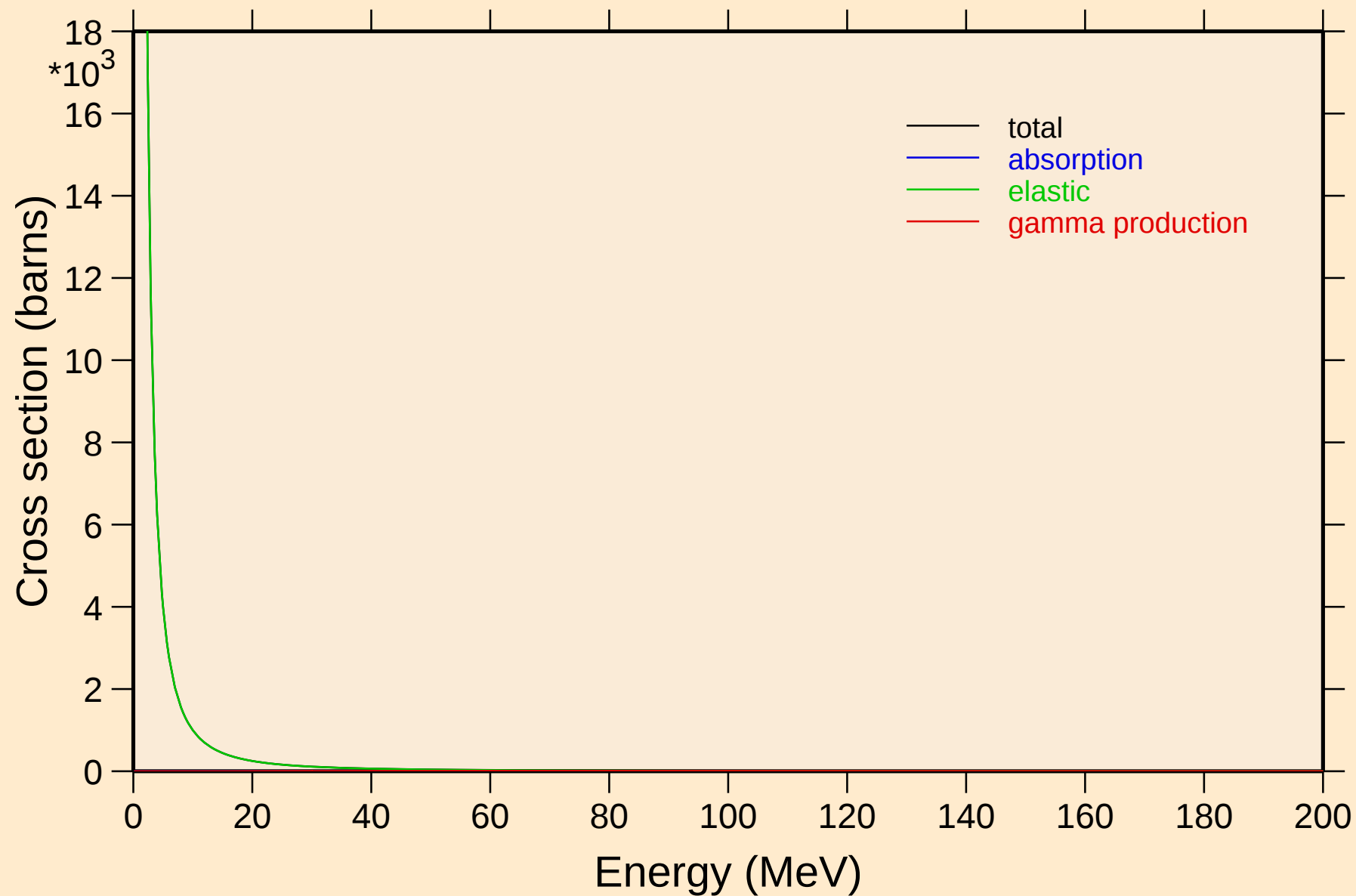
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



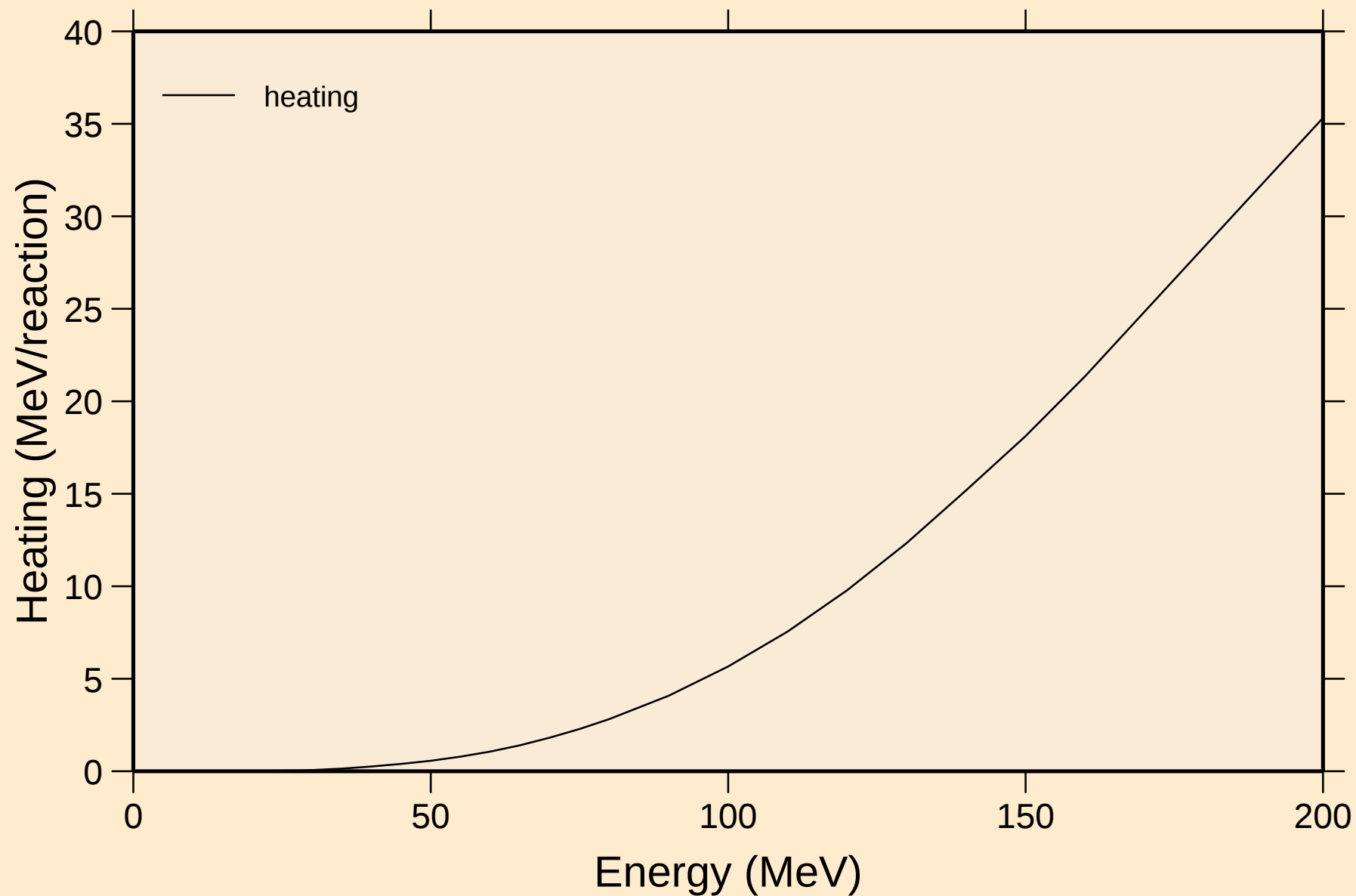
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



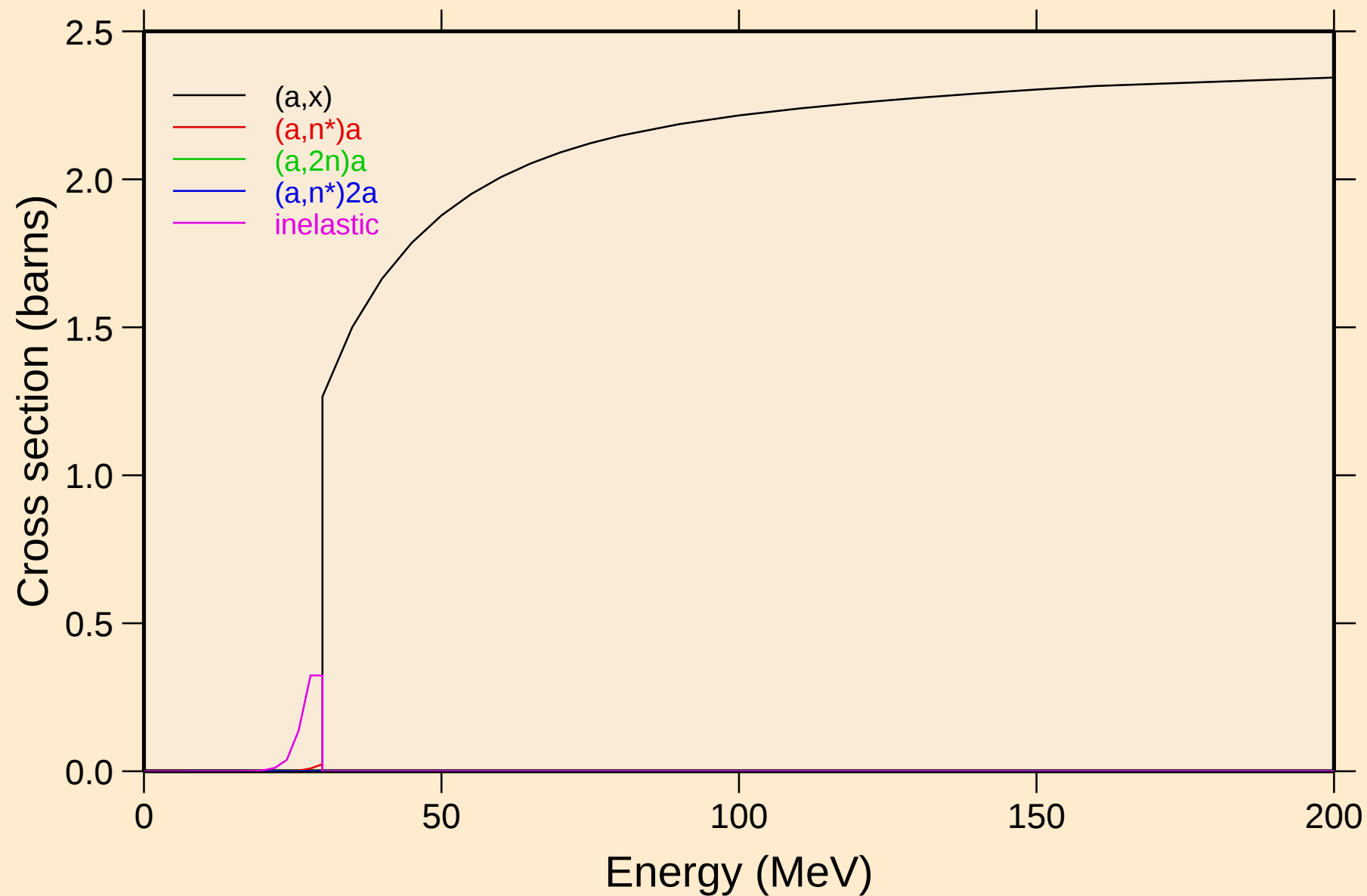
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Heating



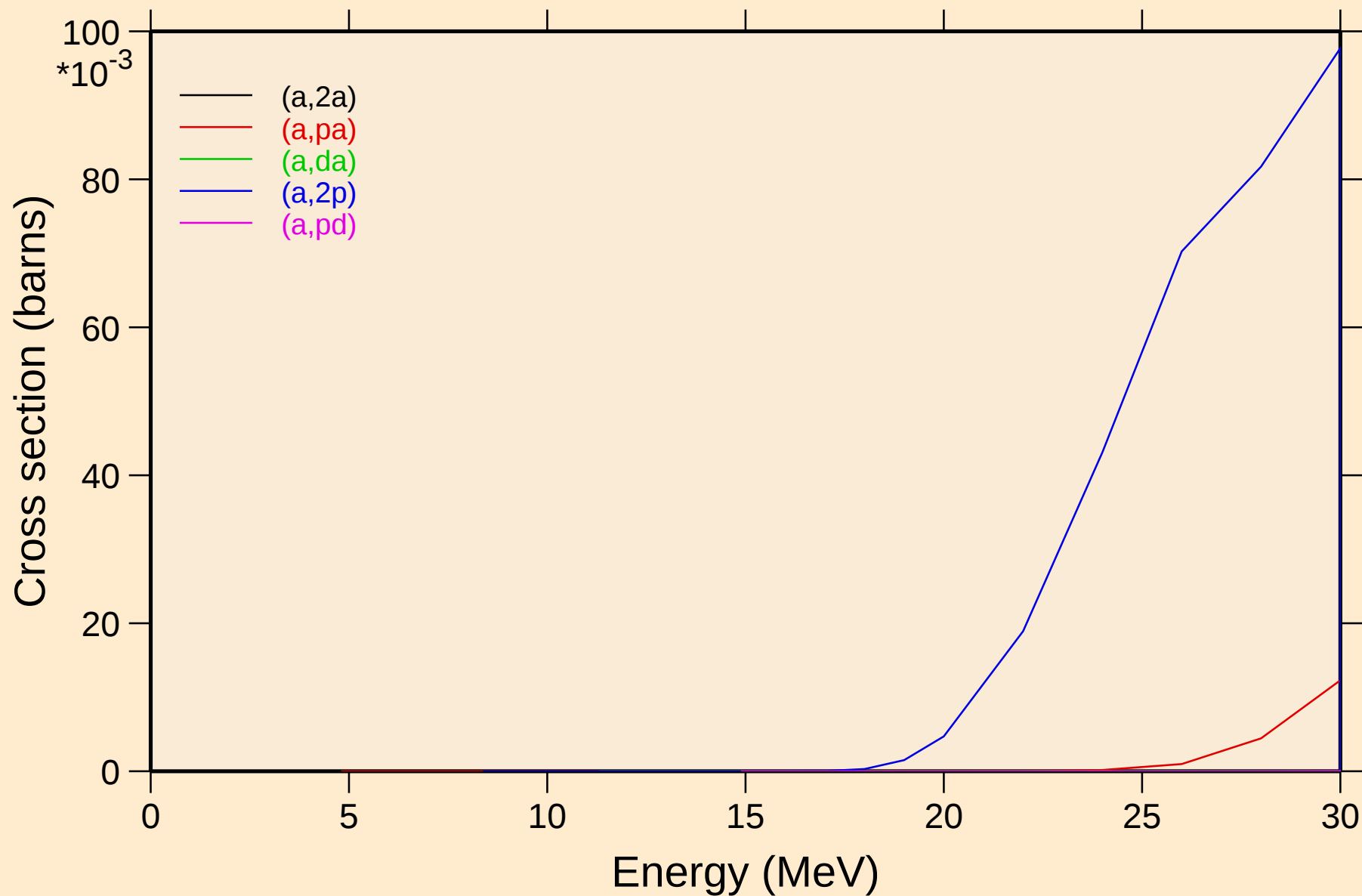
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Threshold reactions



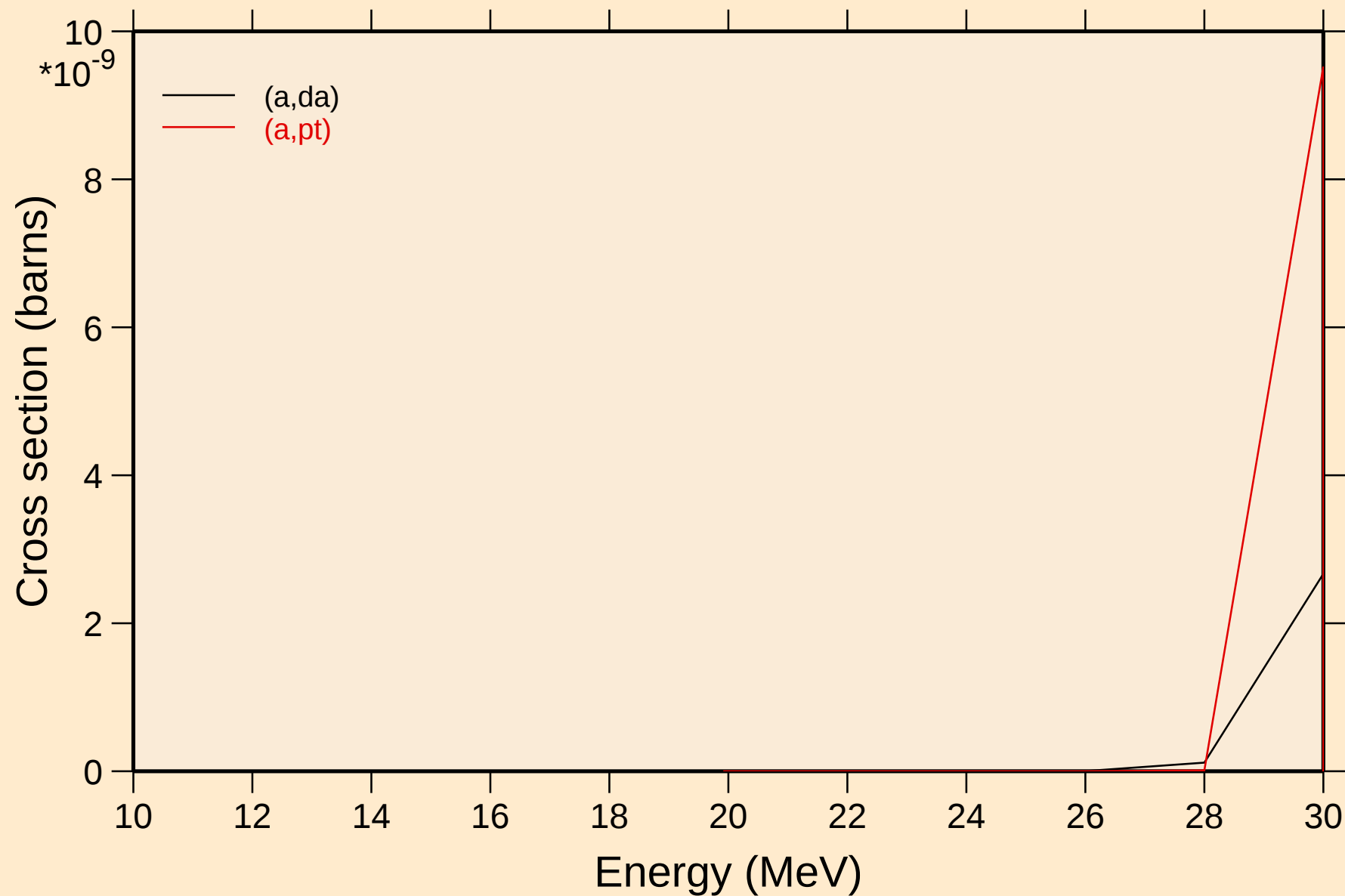
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Threshold reactions



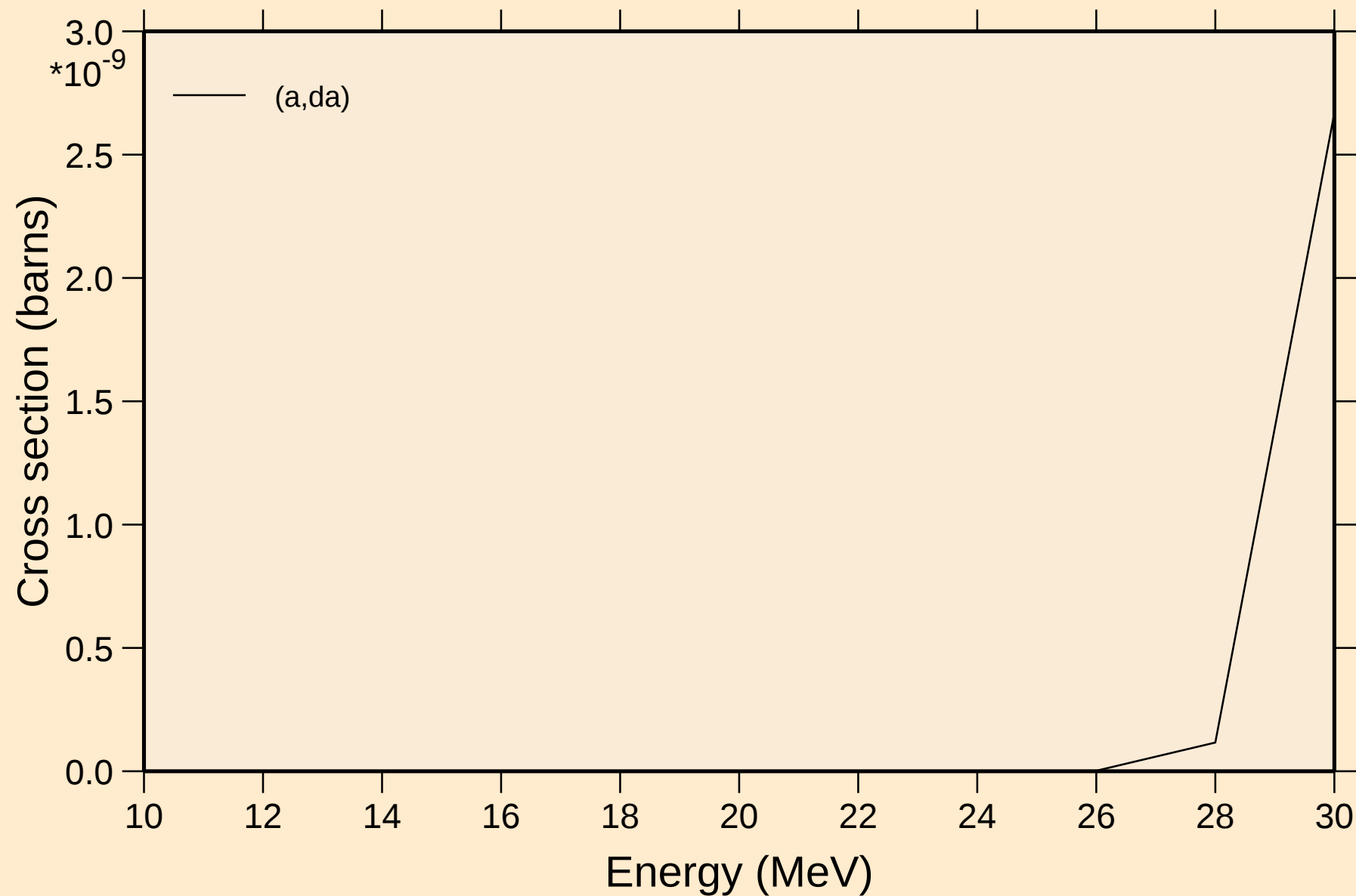
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Threshold reactions

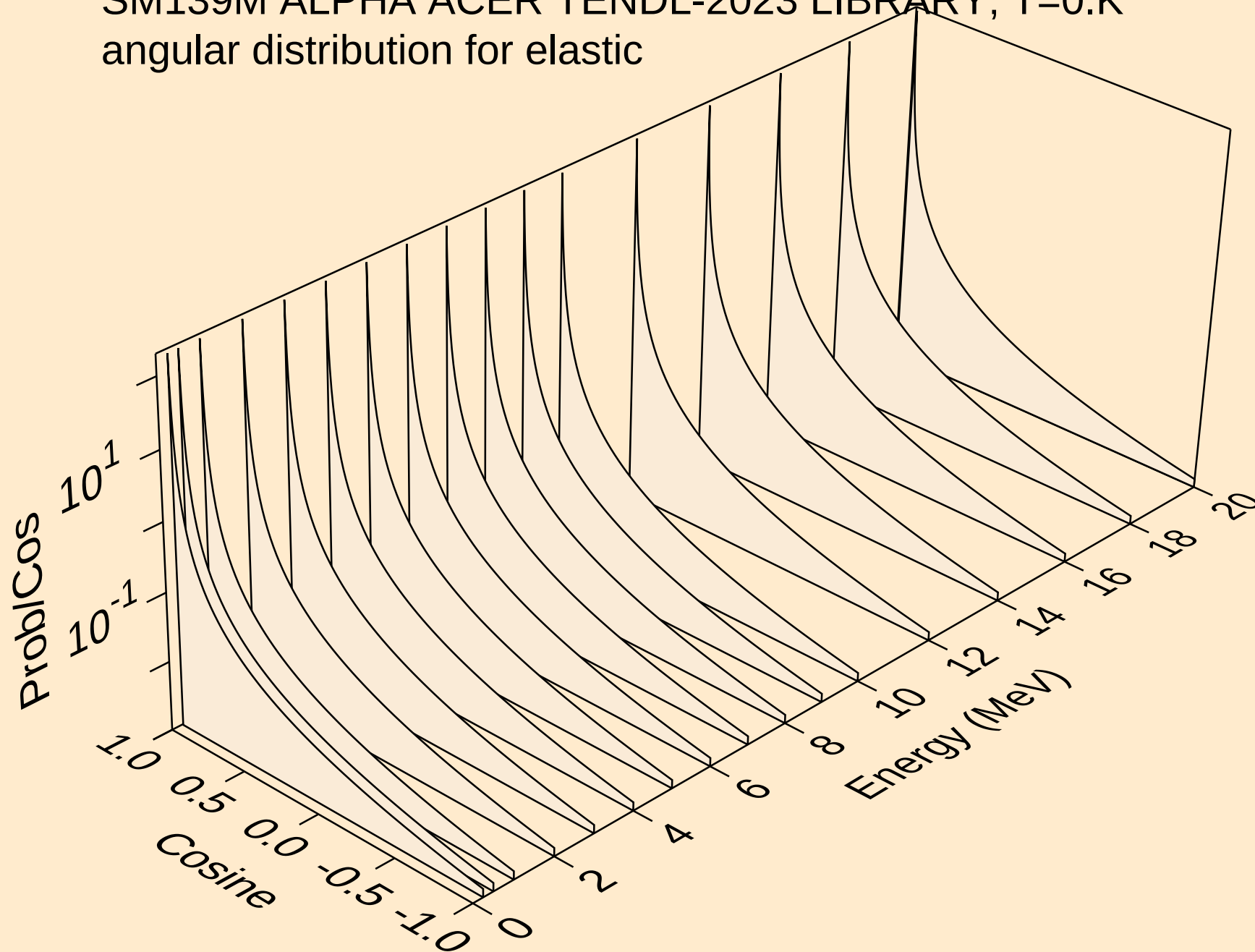


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

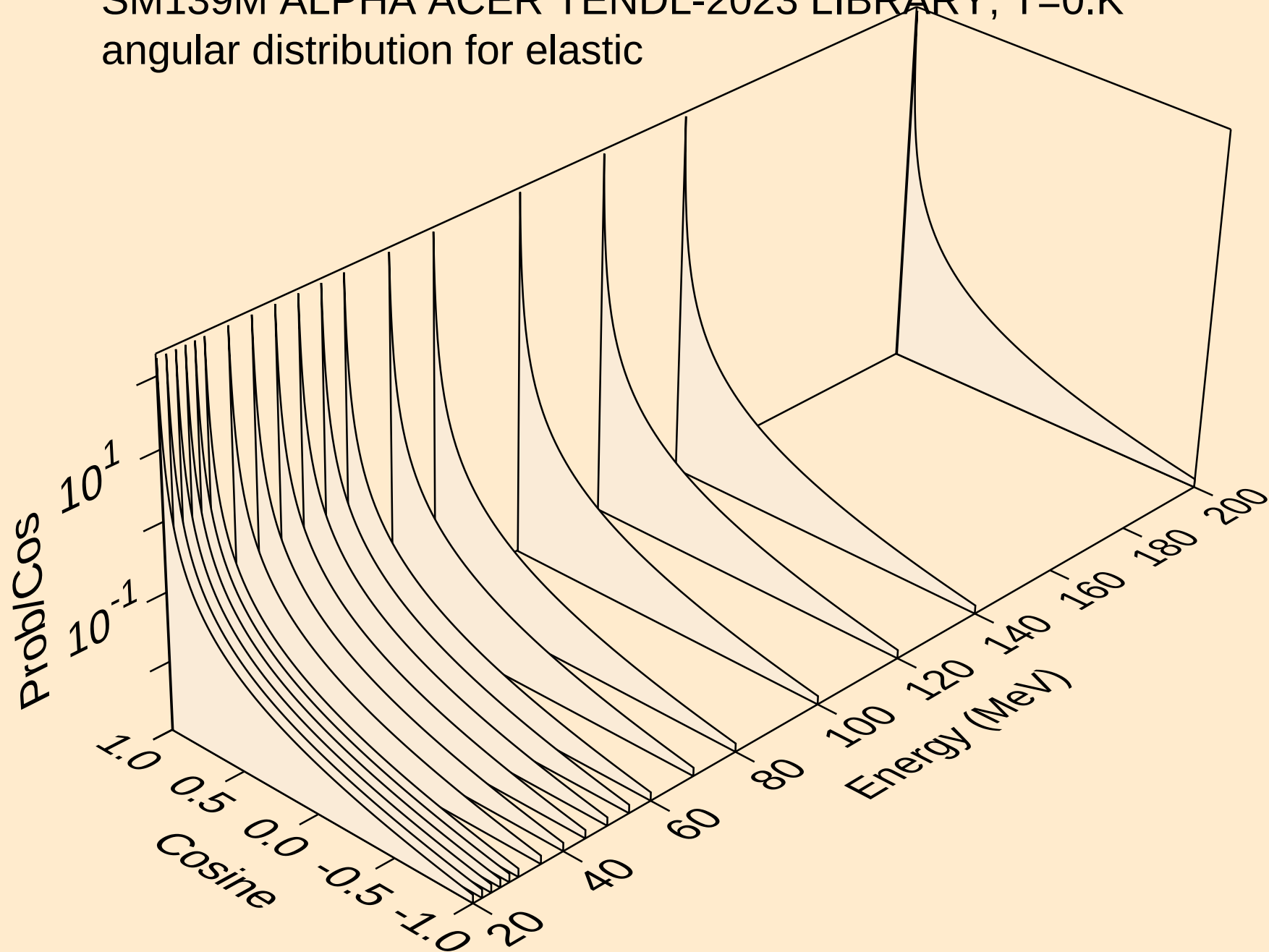
Threshold reactions



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

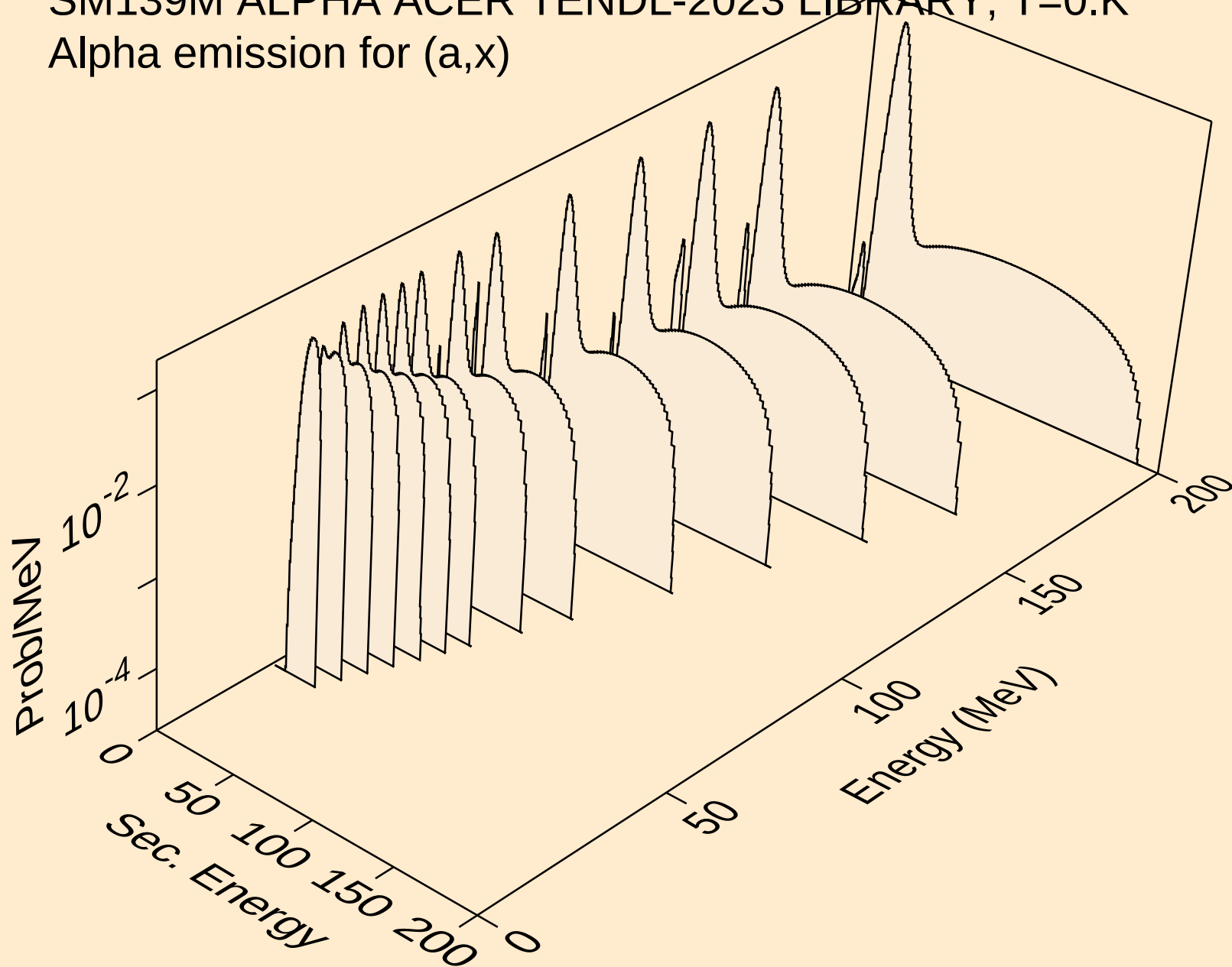


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



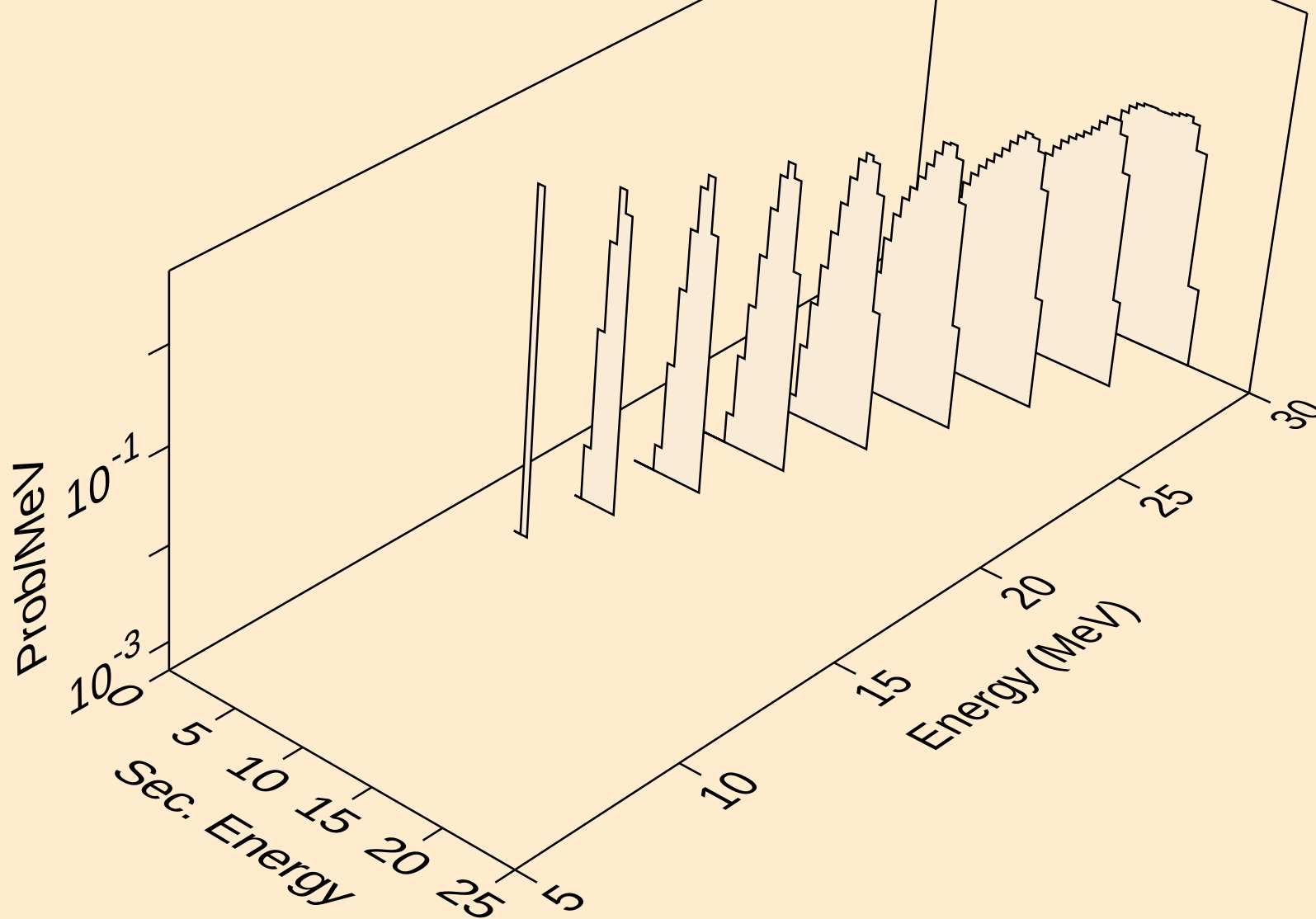
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



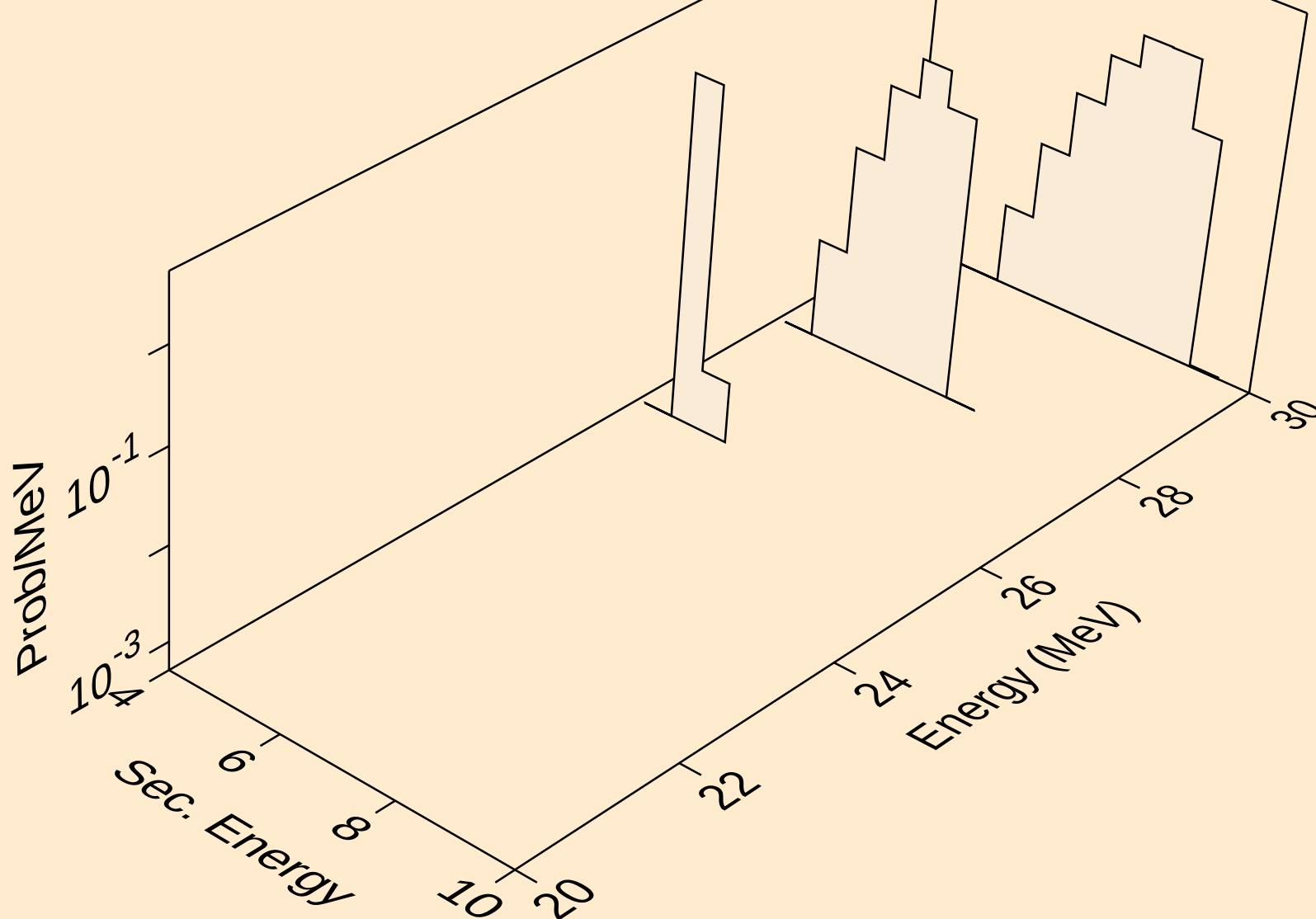
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)a



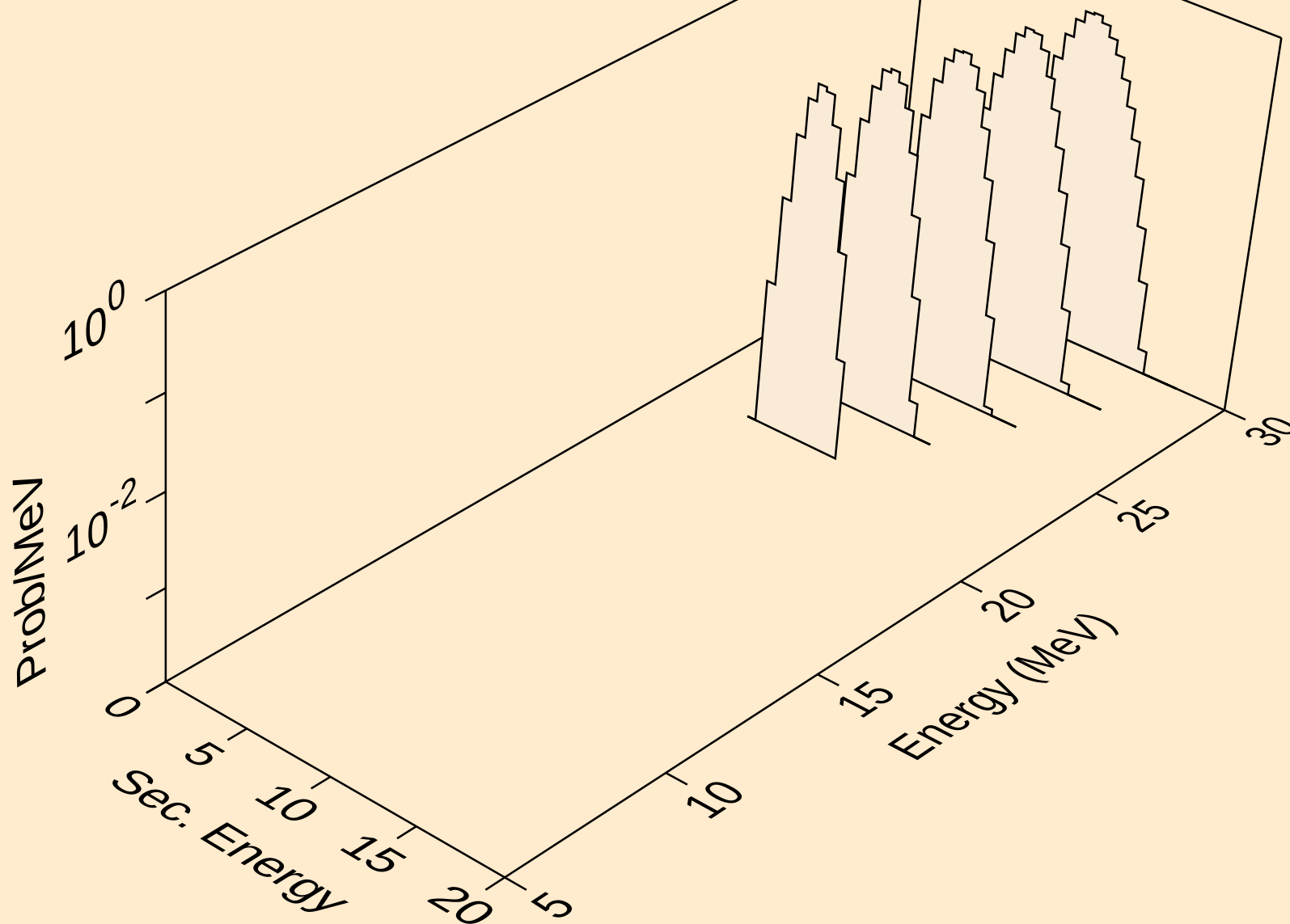
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



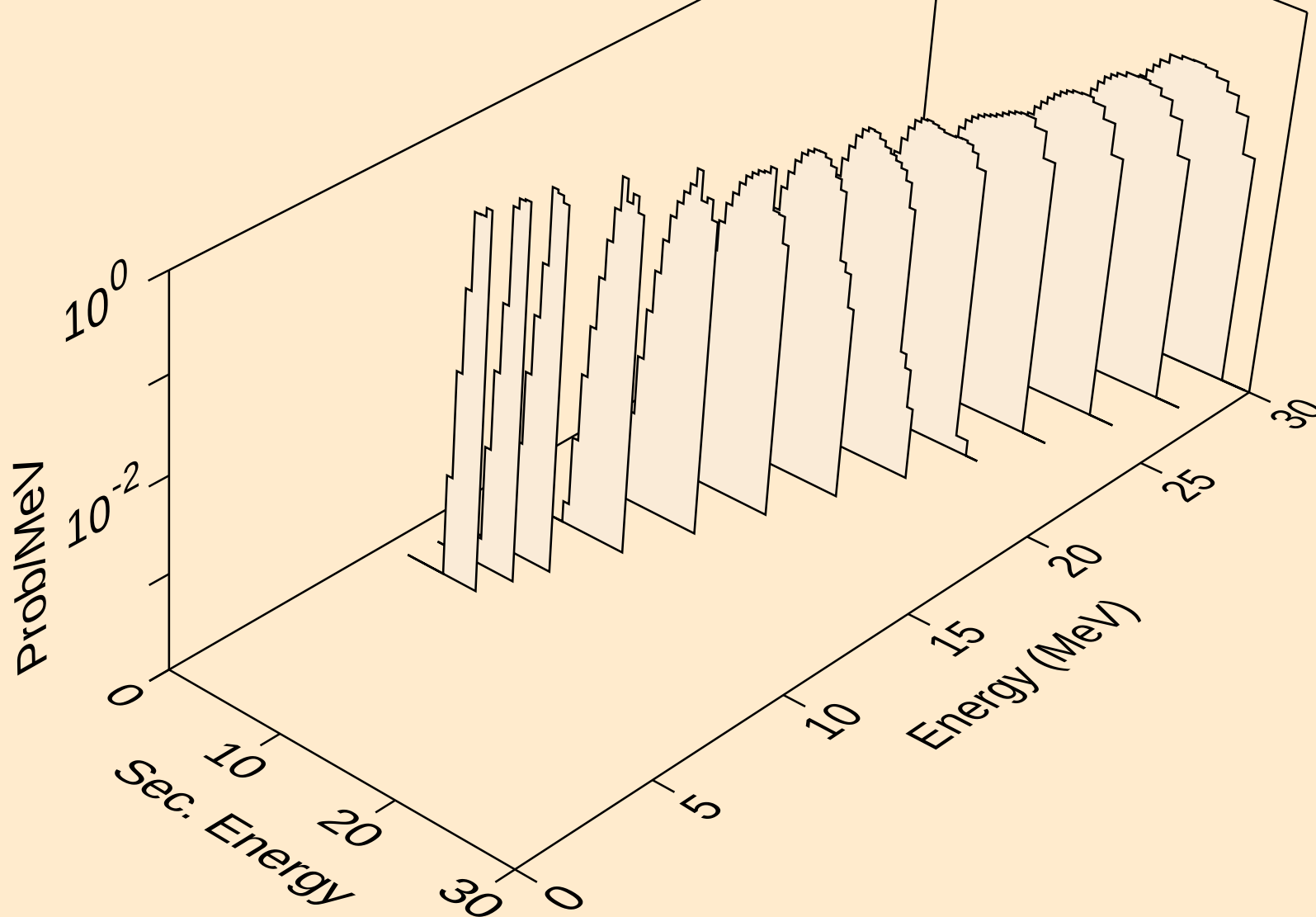
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n*)2a

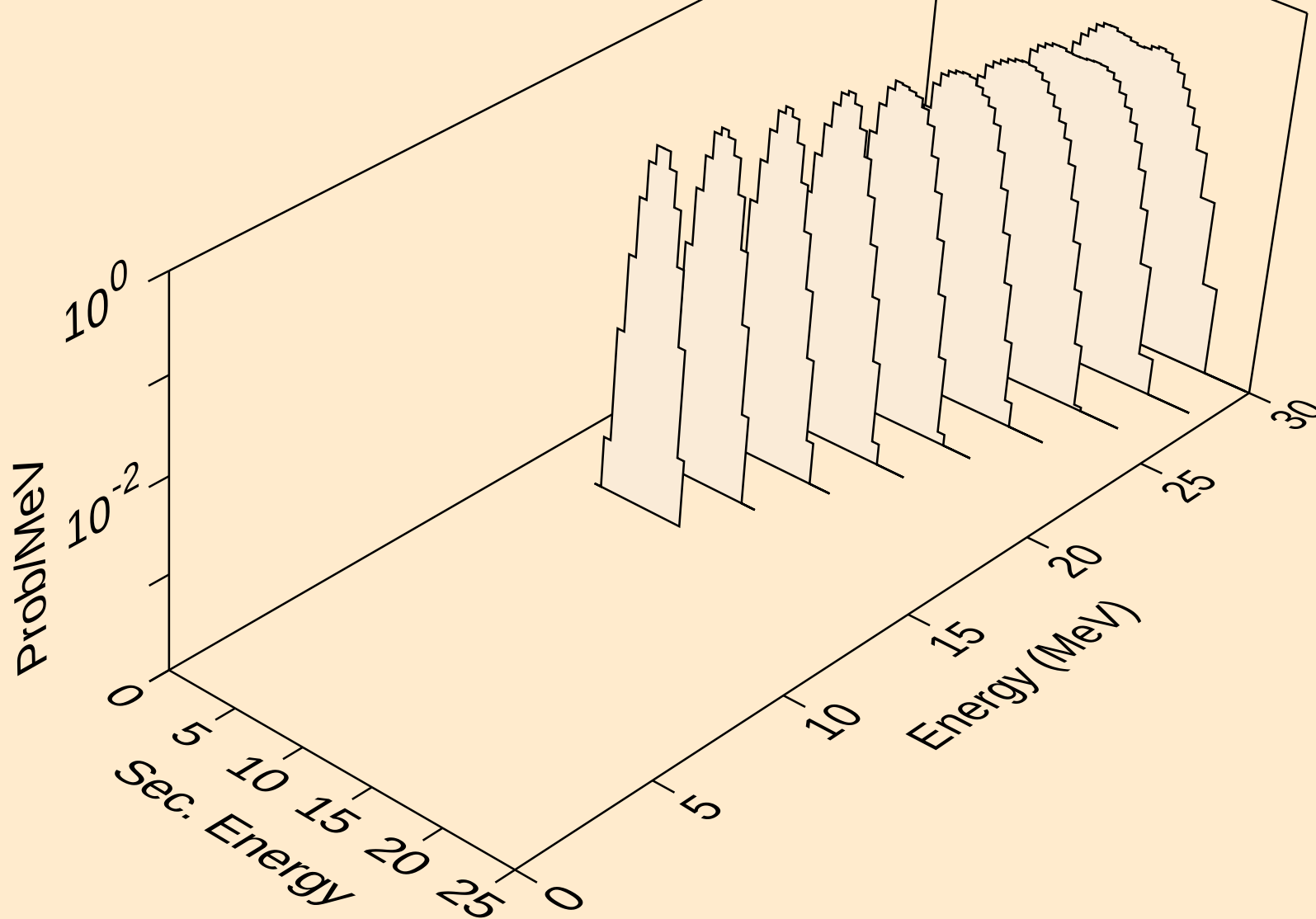


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

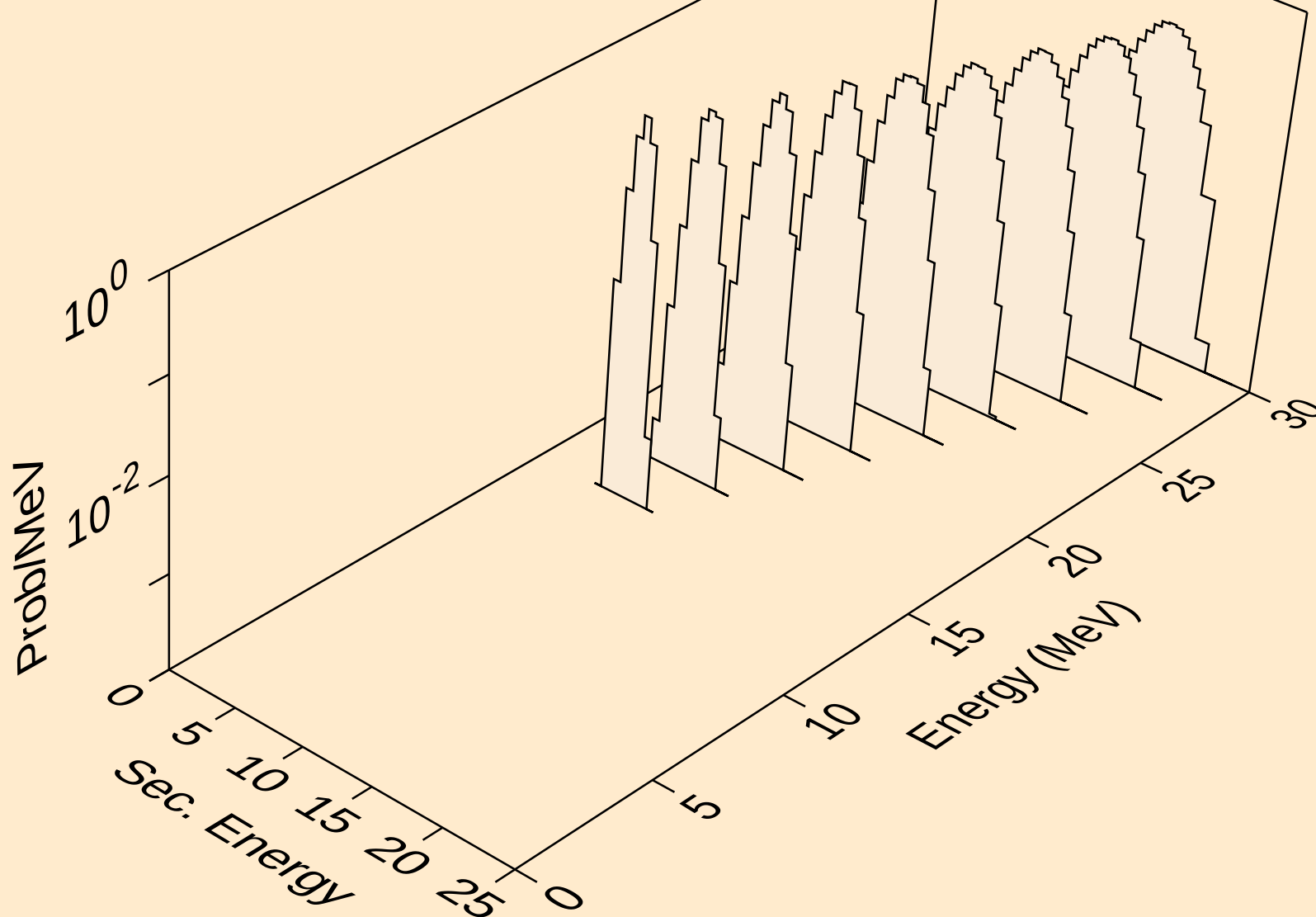
Alpha emission for inelastic



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,2a)

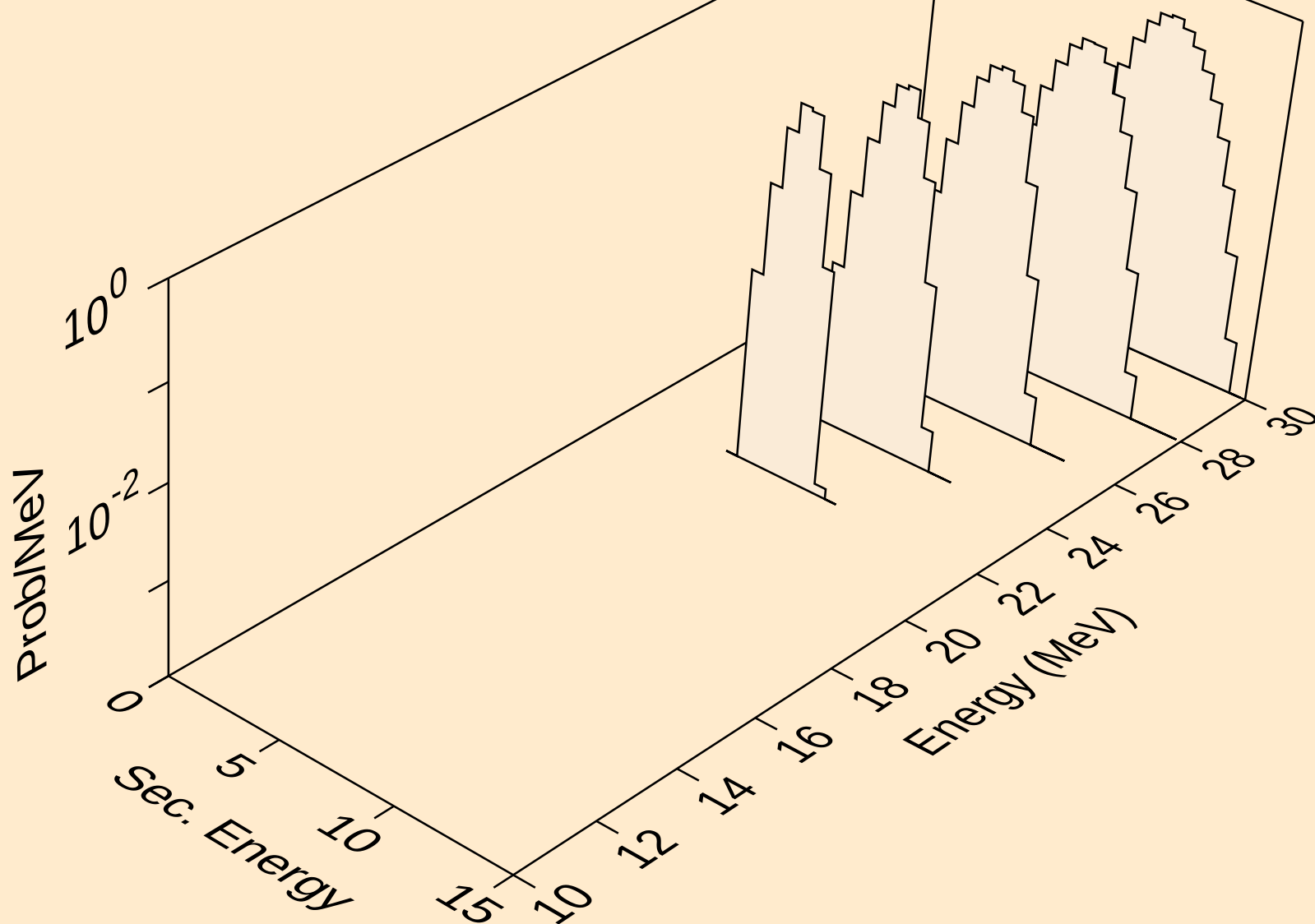


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,pa)

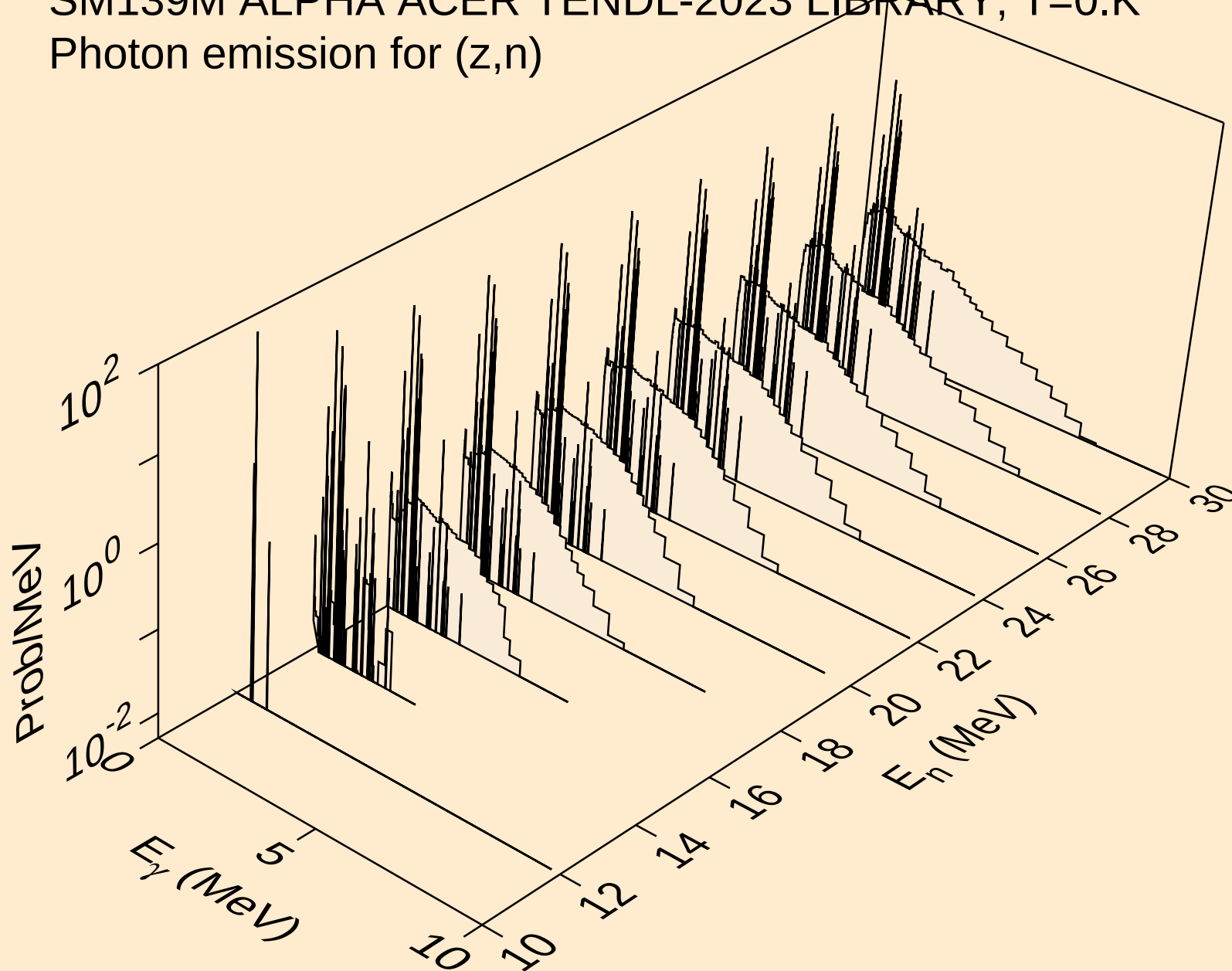


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,da)

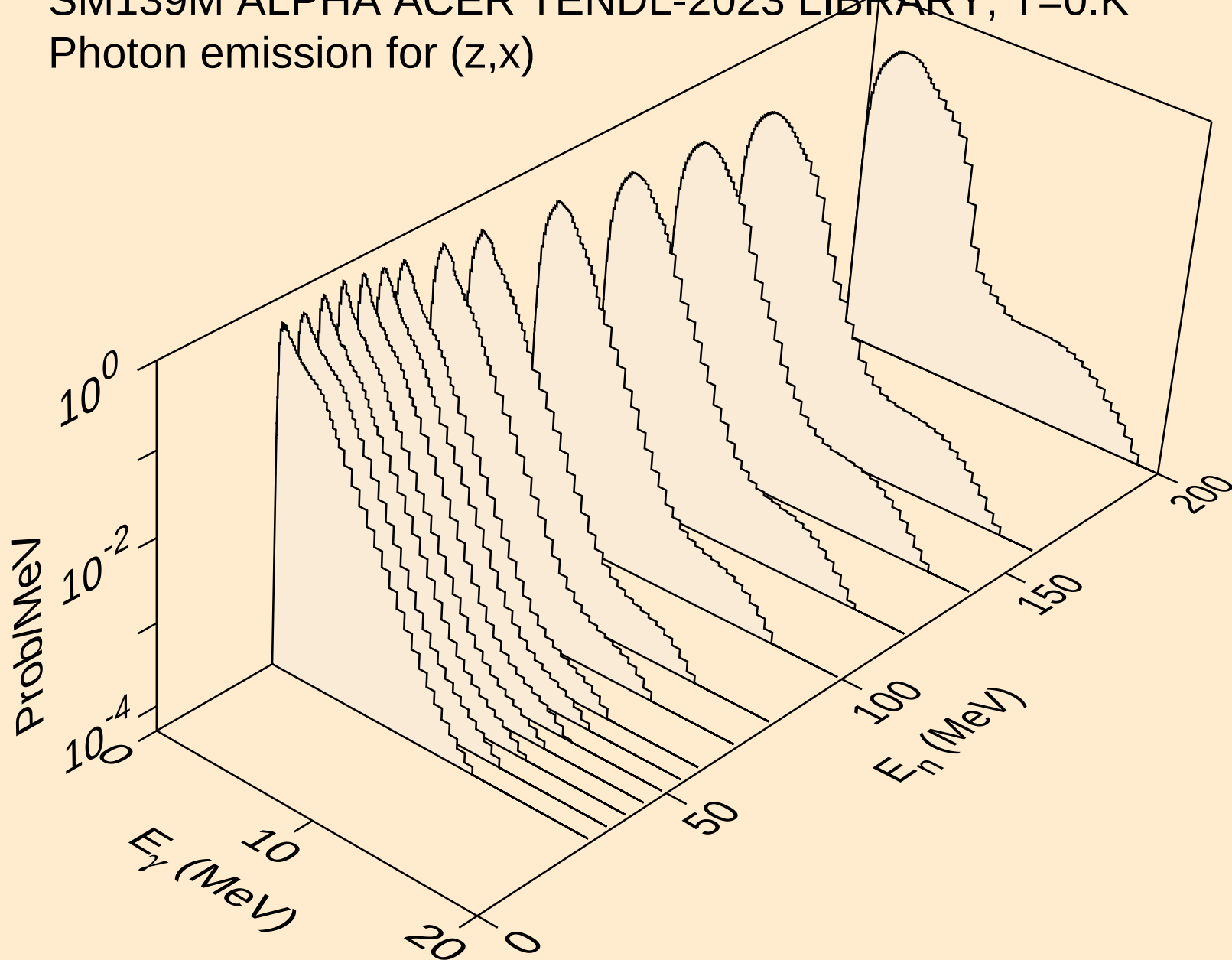


SM139M ALPHA ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (z,n)

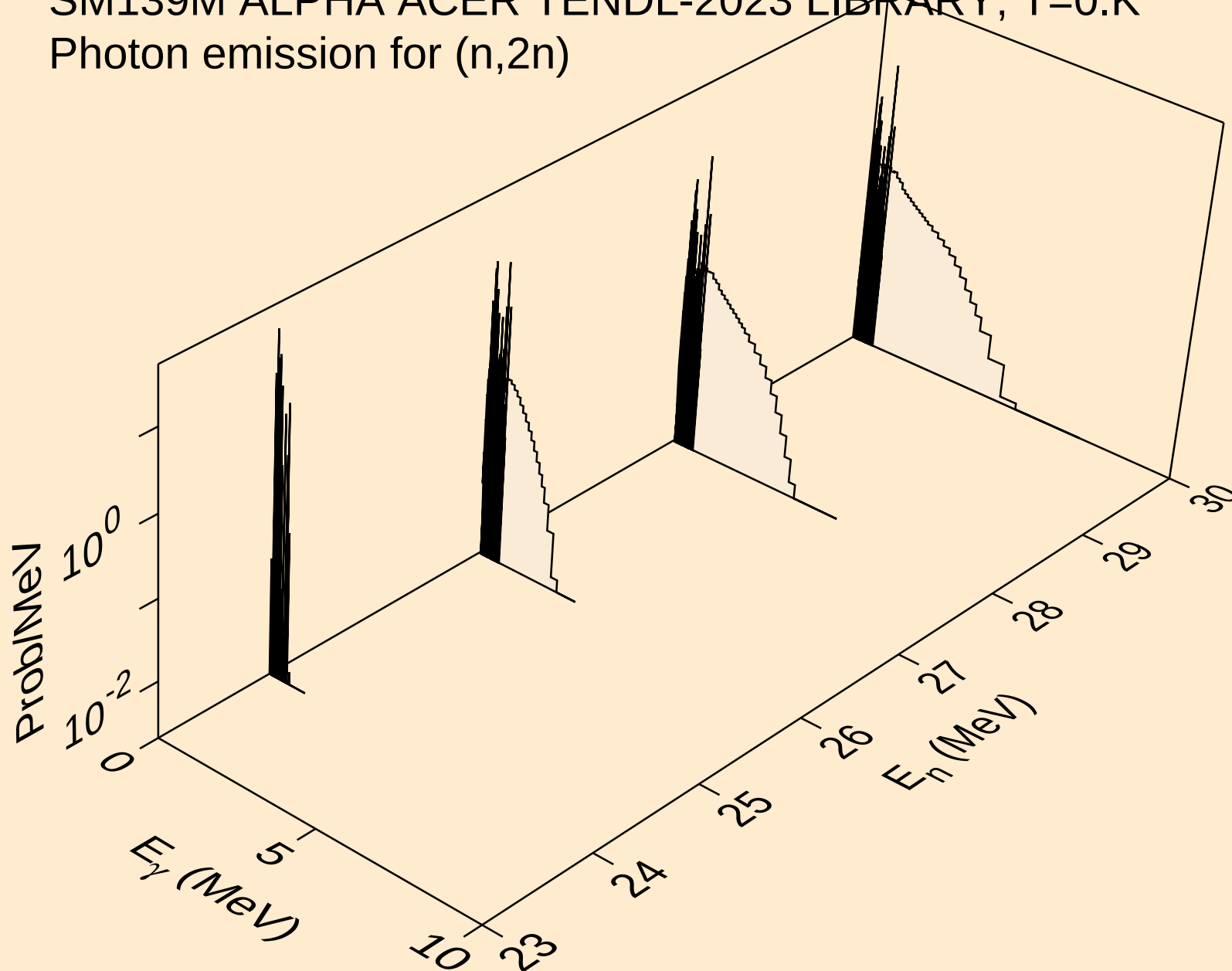


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

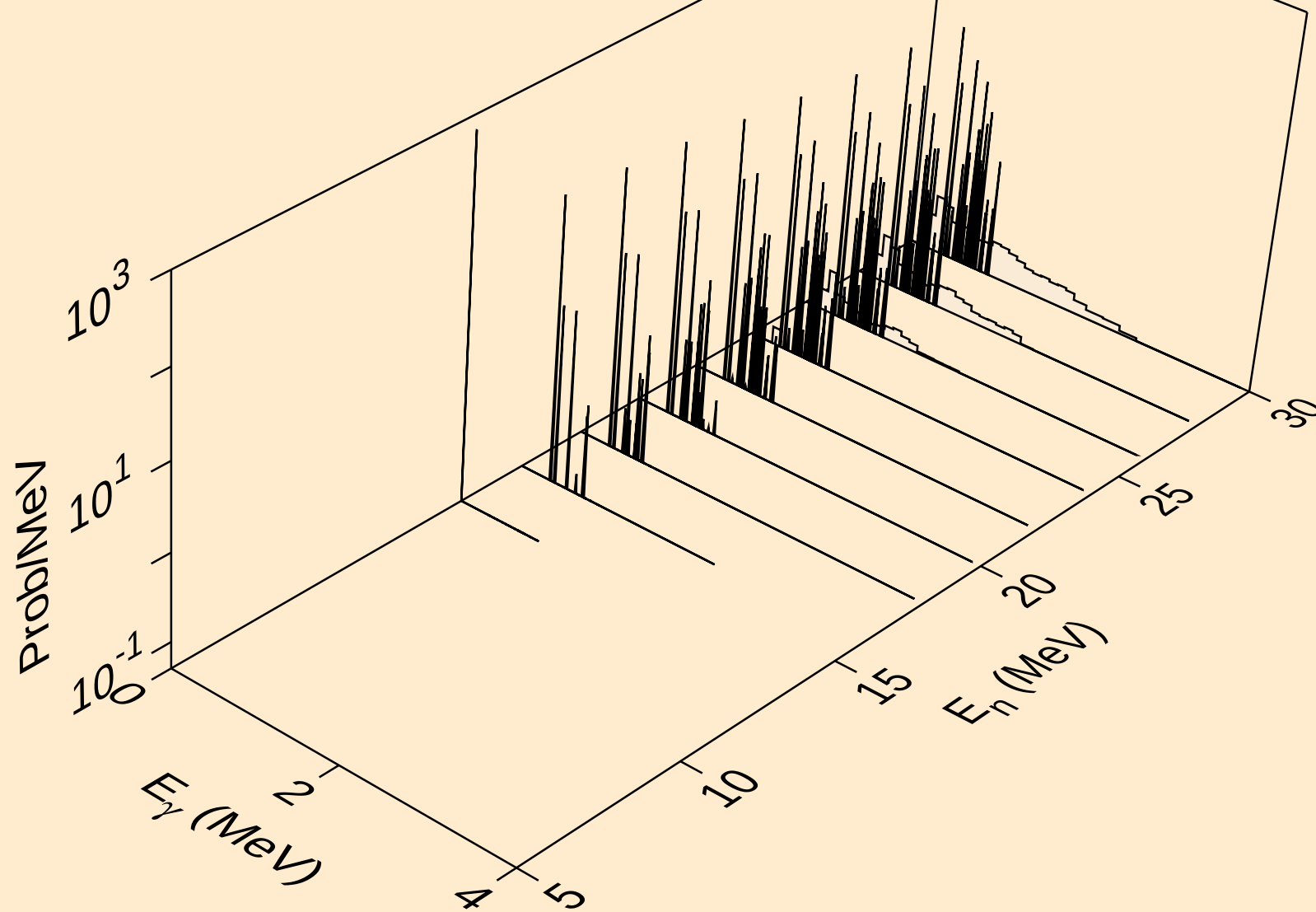


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



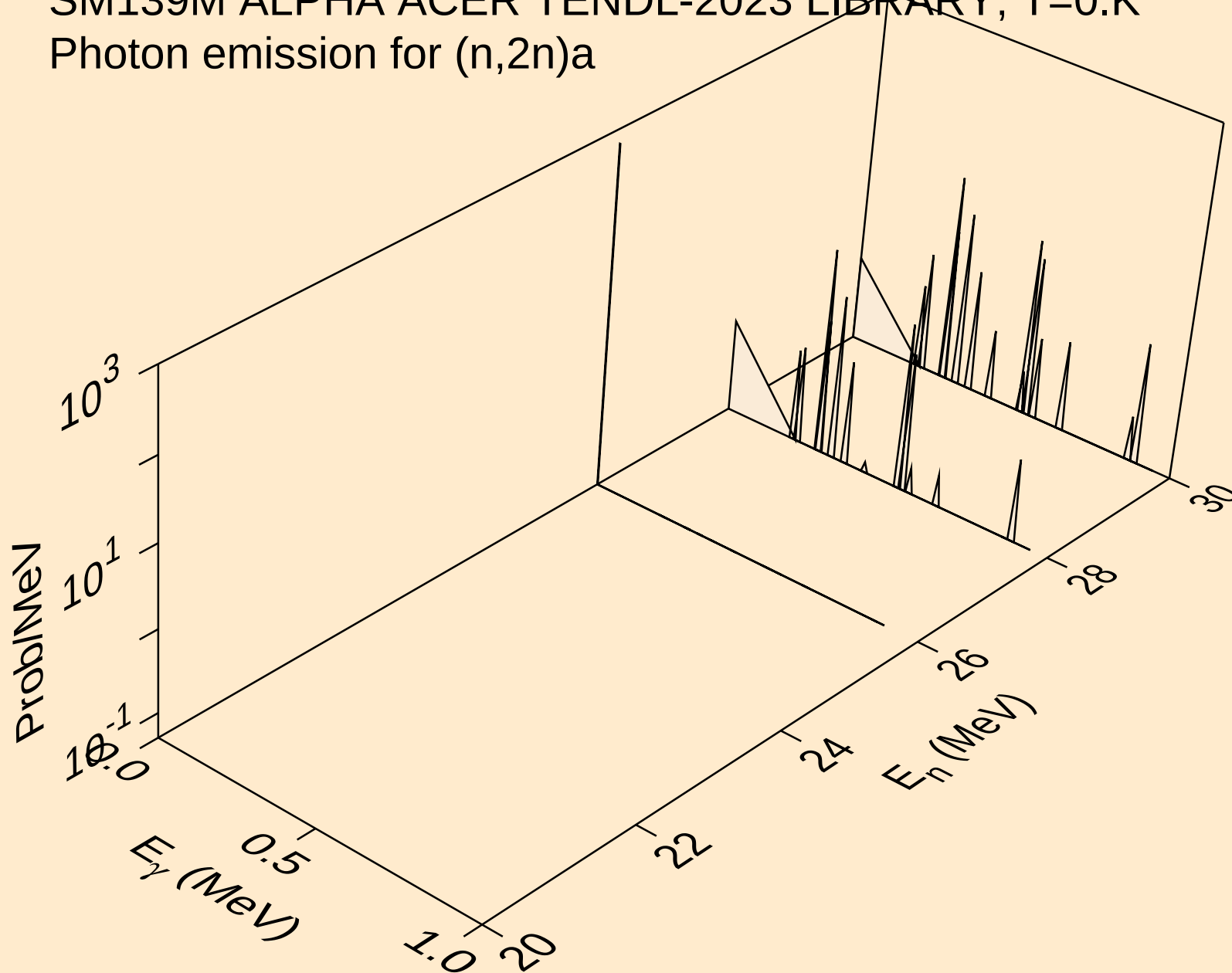
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



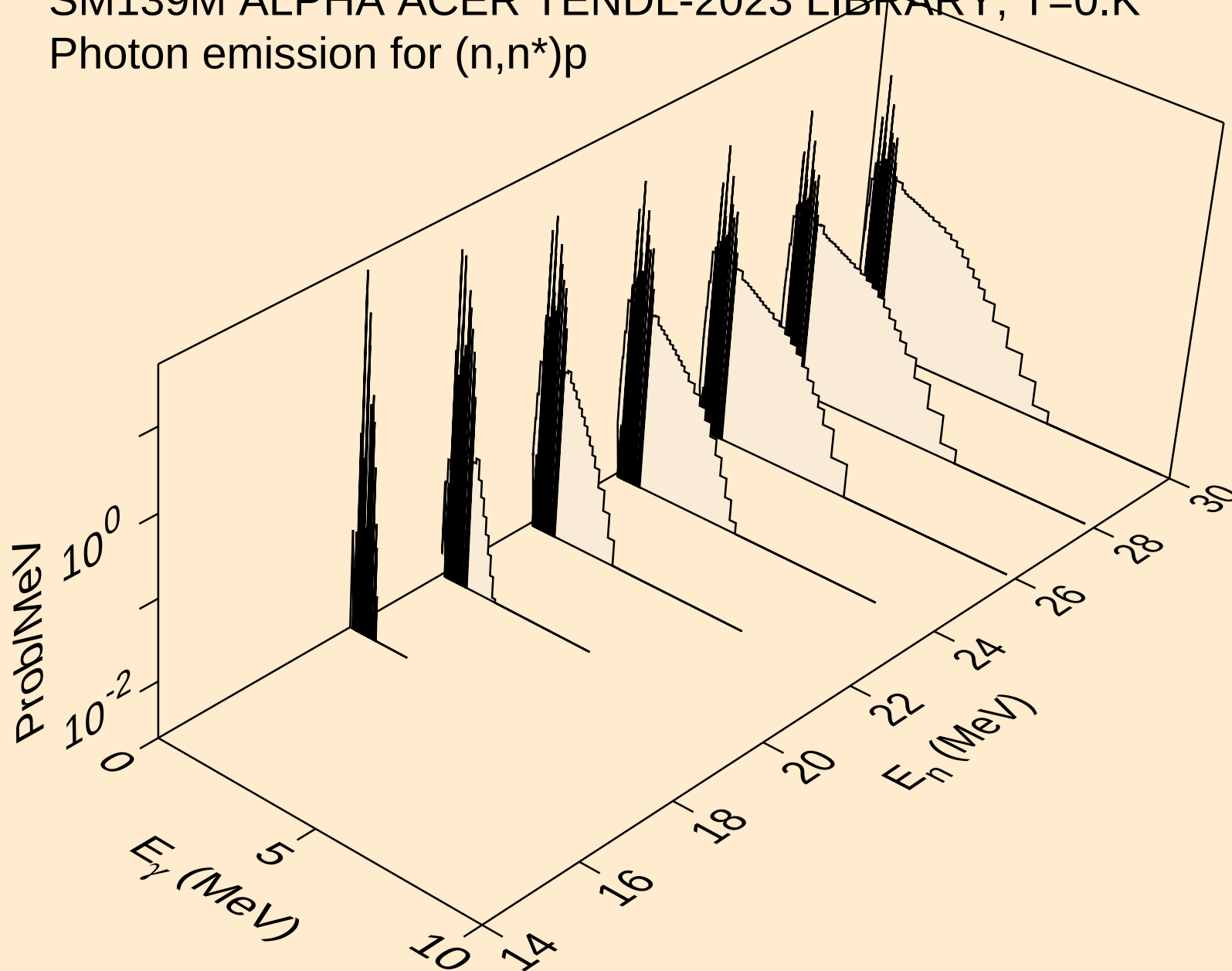
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



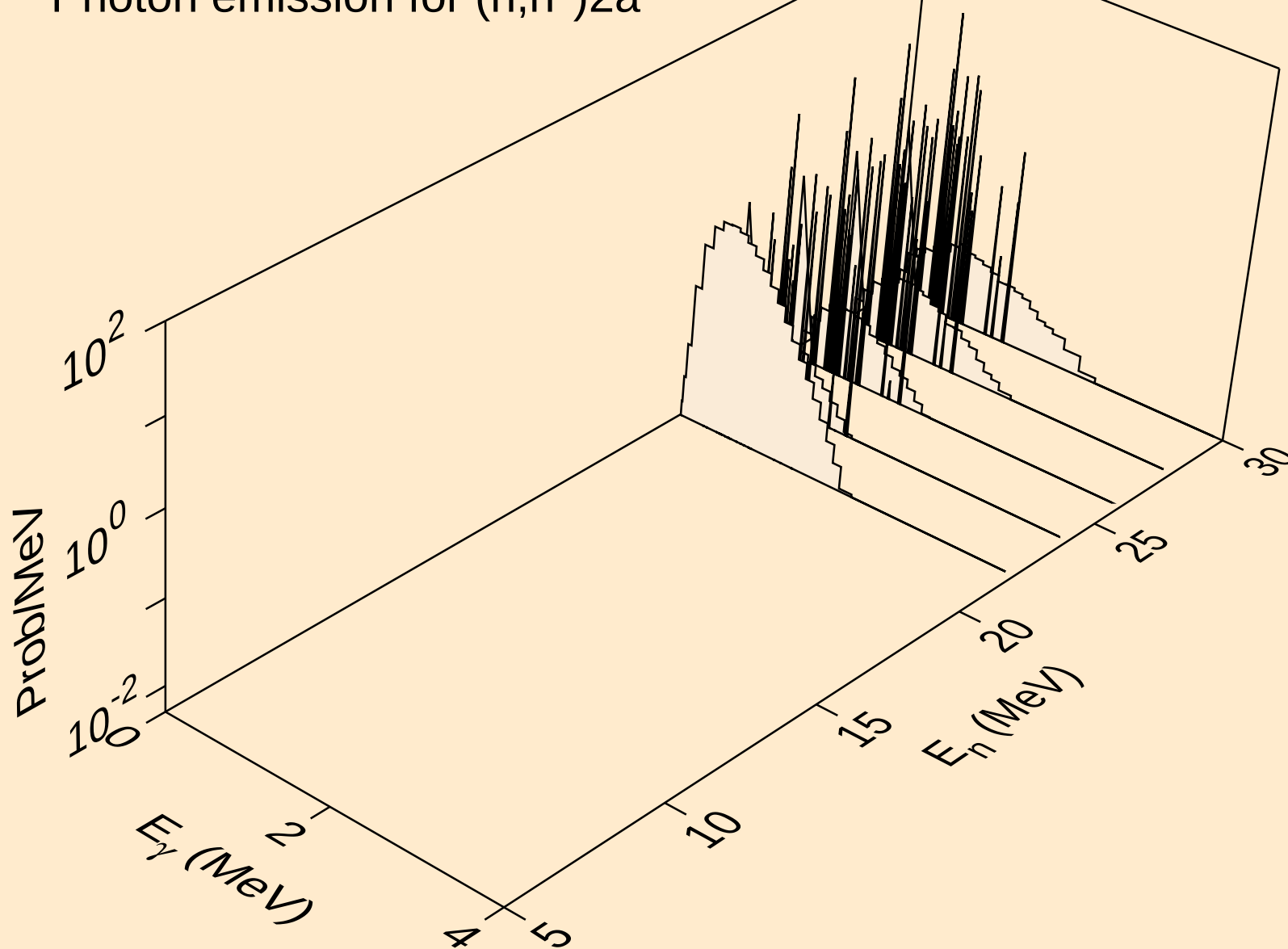
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



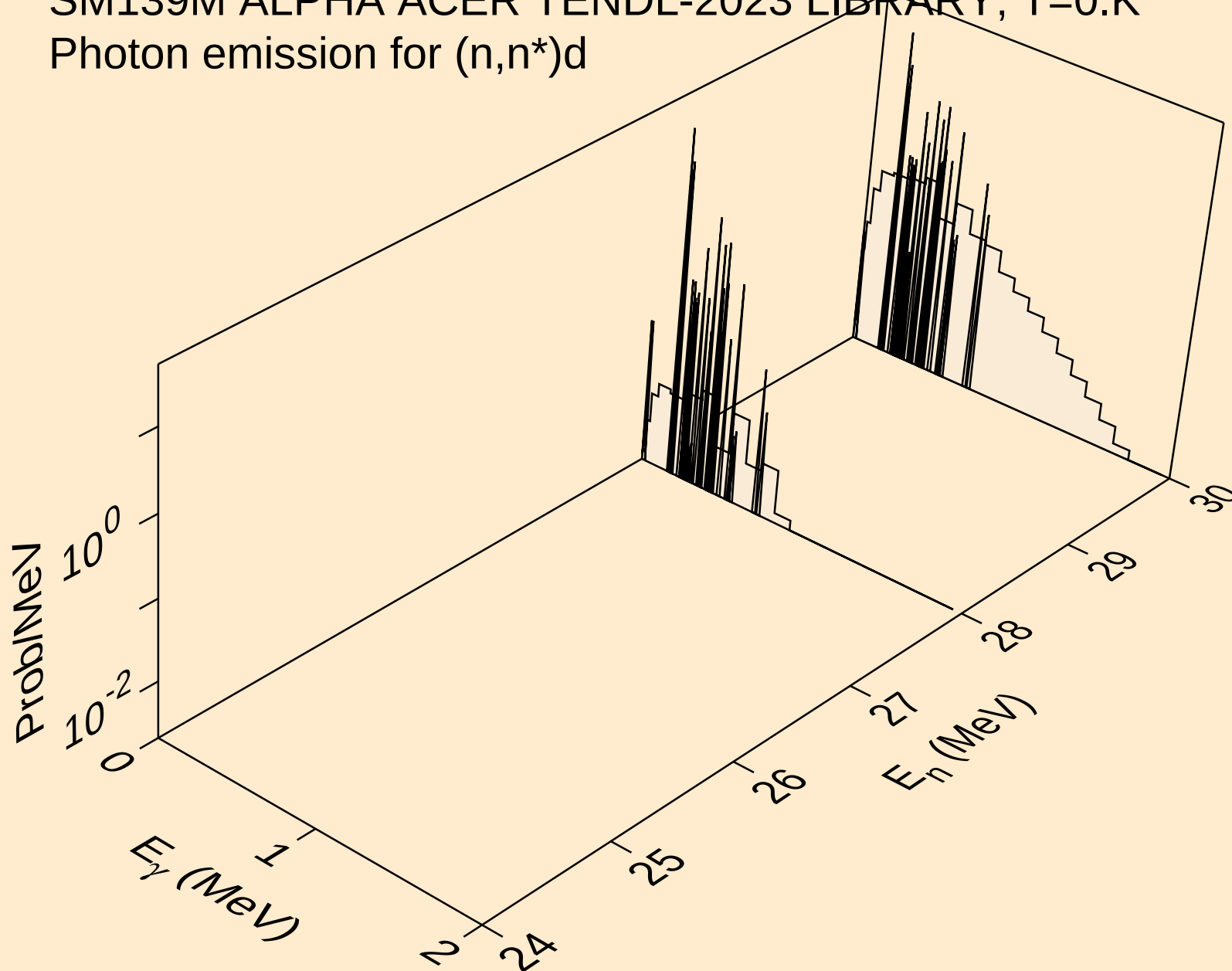
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a

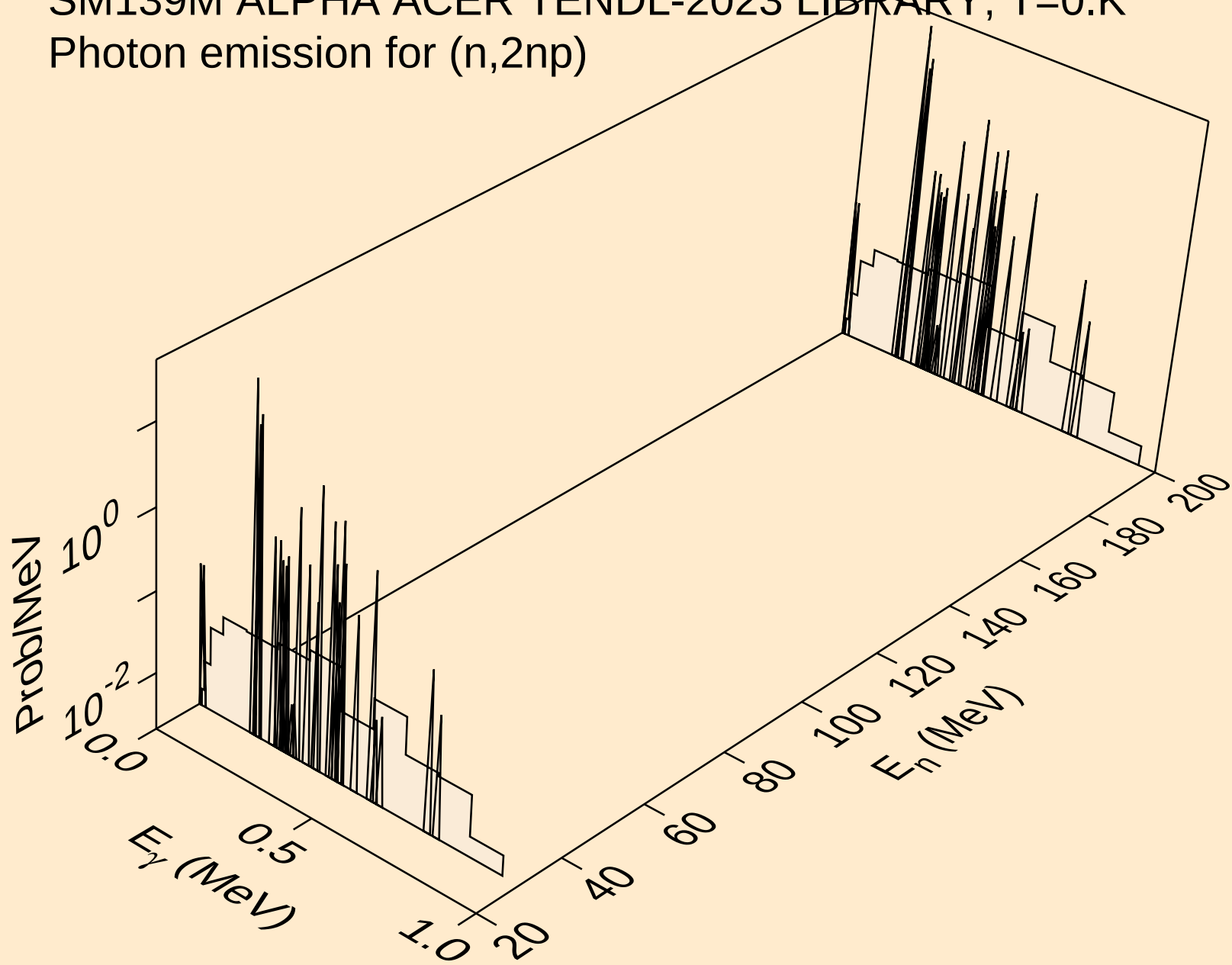


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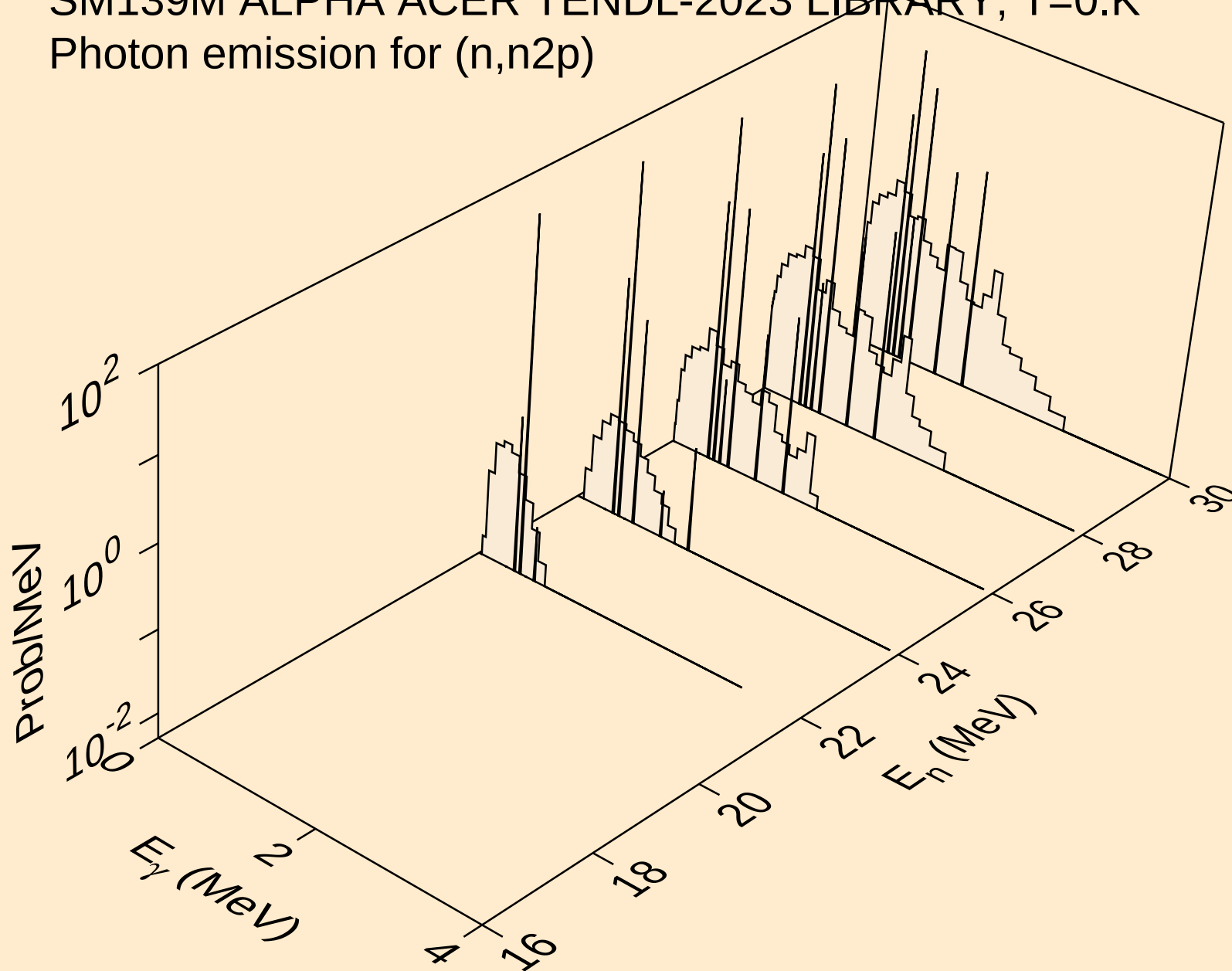
Photon emission for (n,n*)d



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)

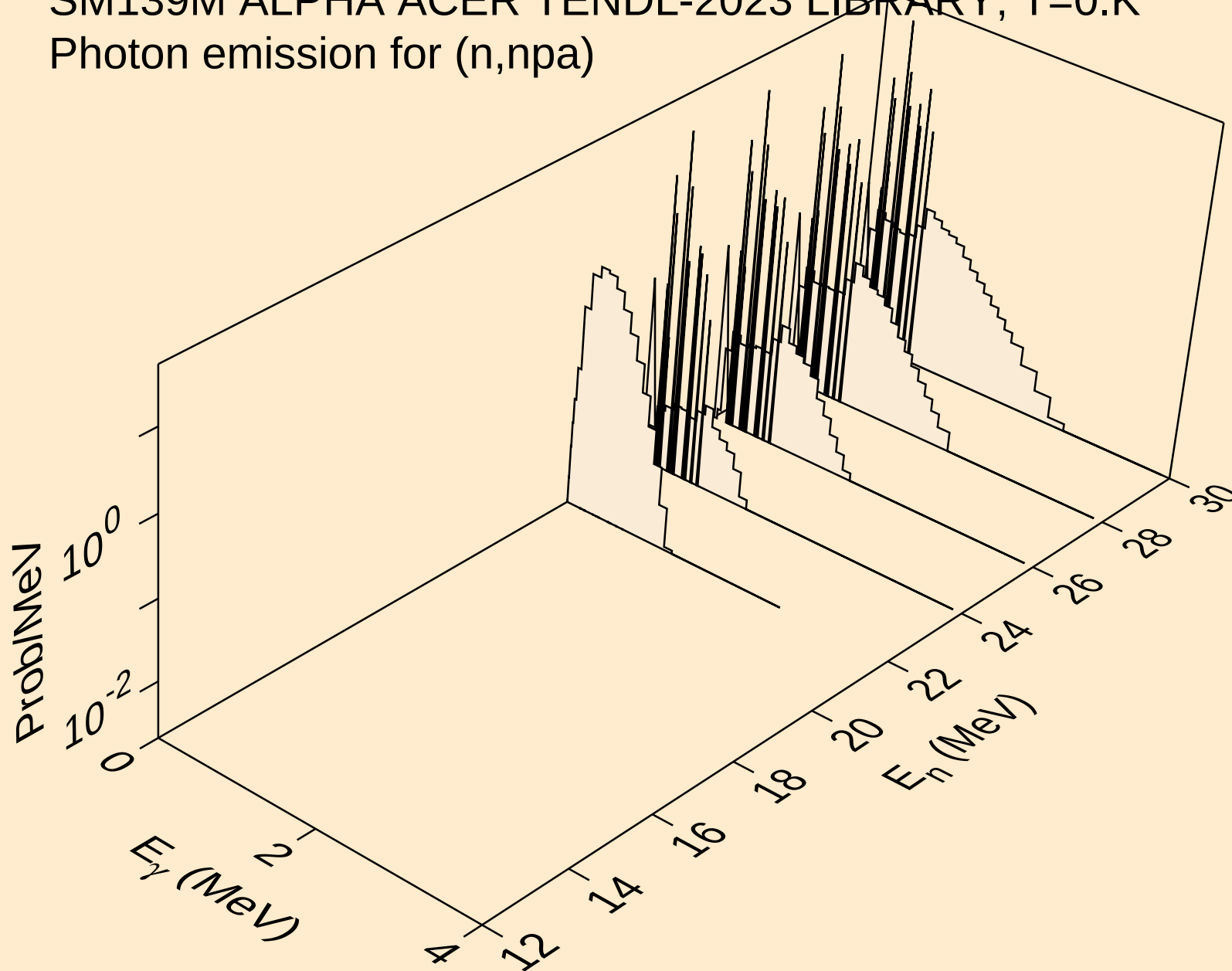


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)

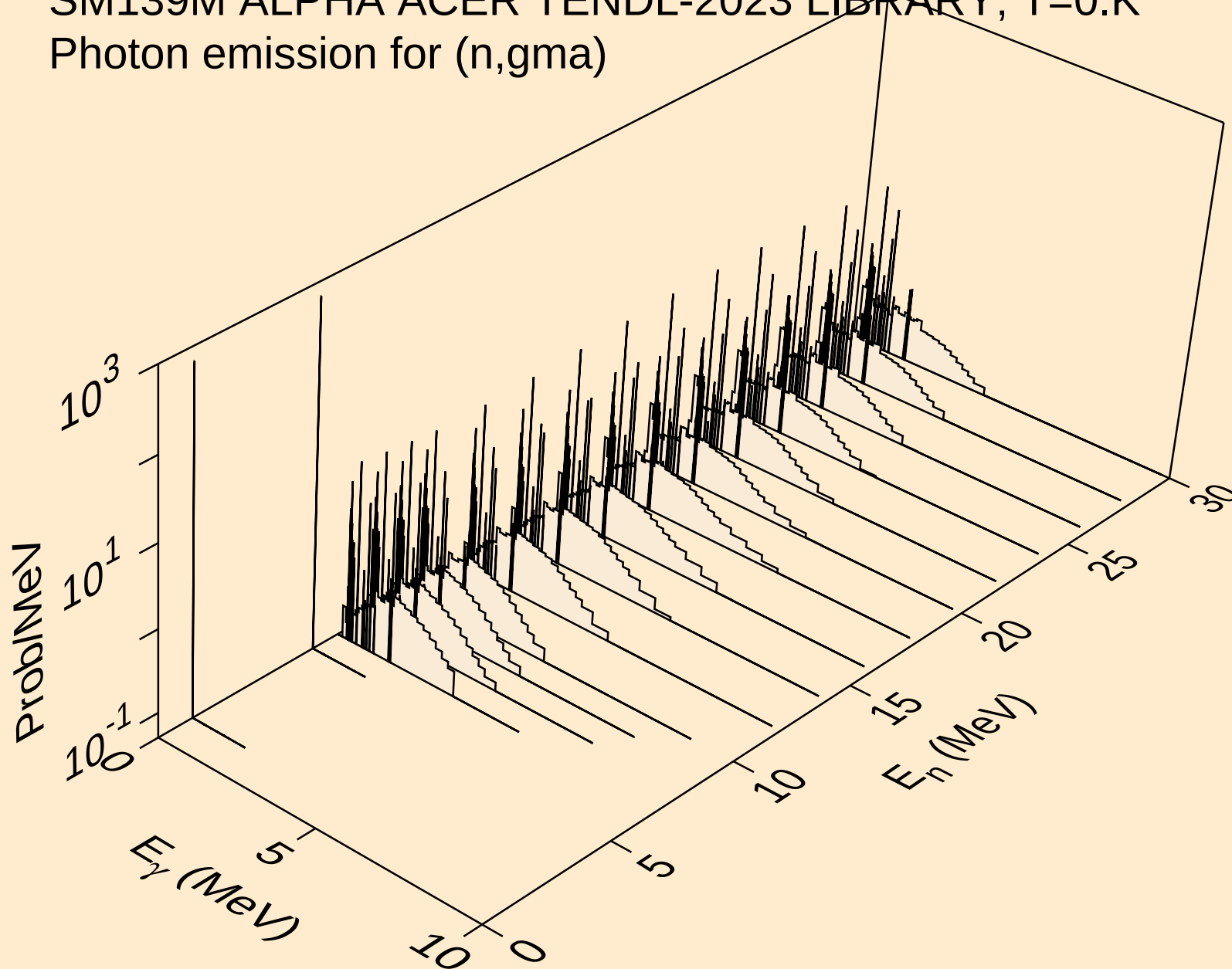


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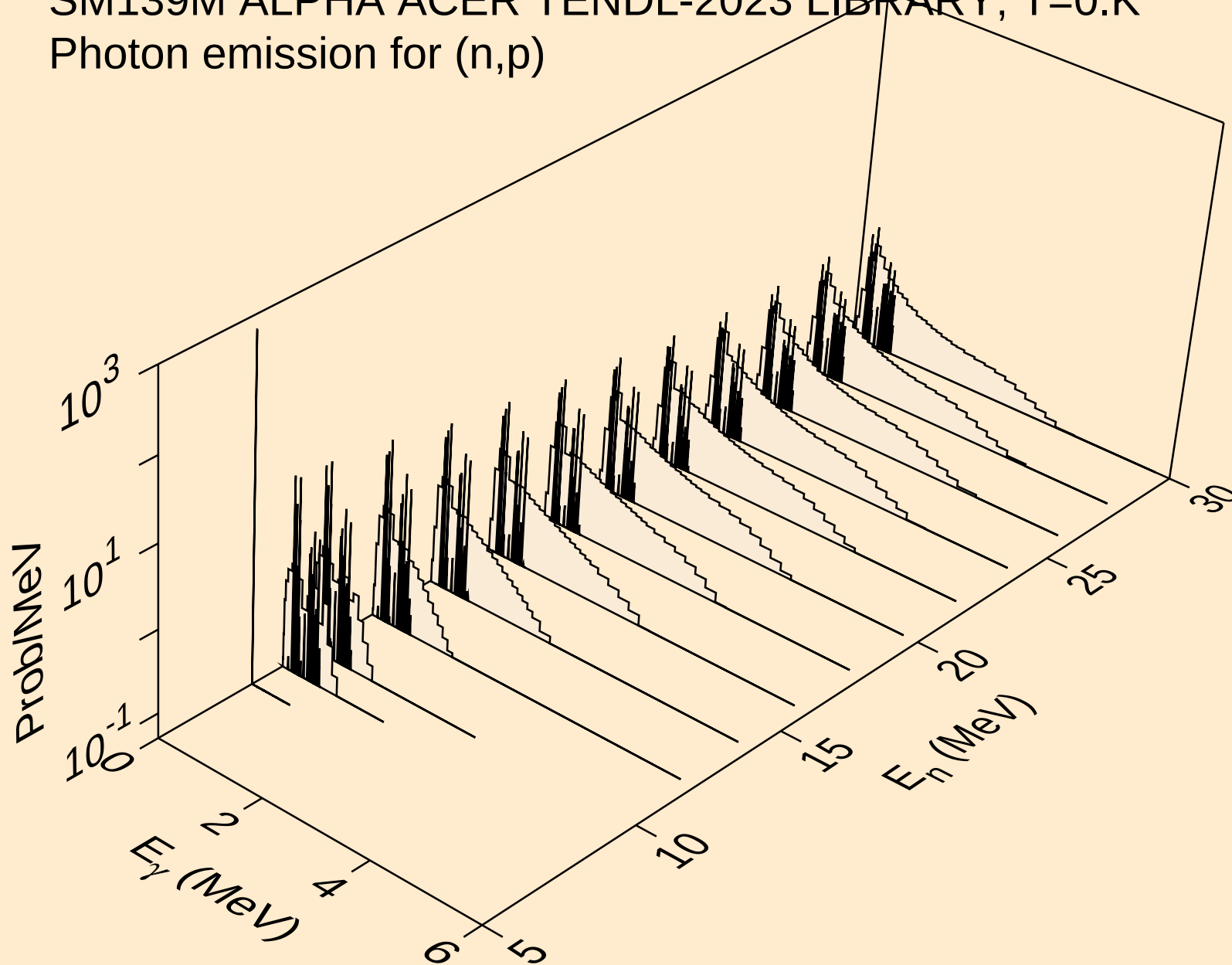
Photon emission for (n,npa)



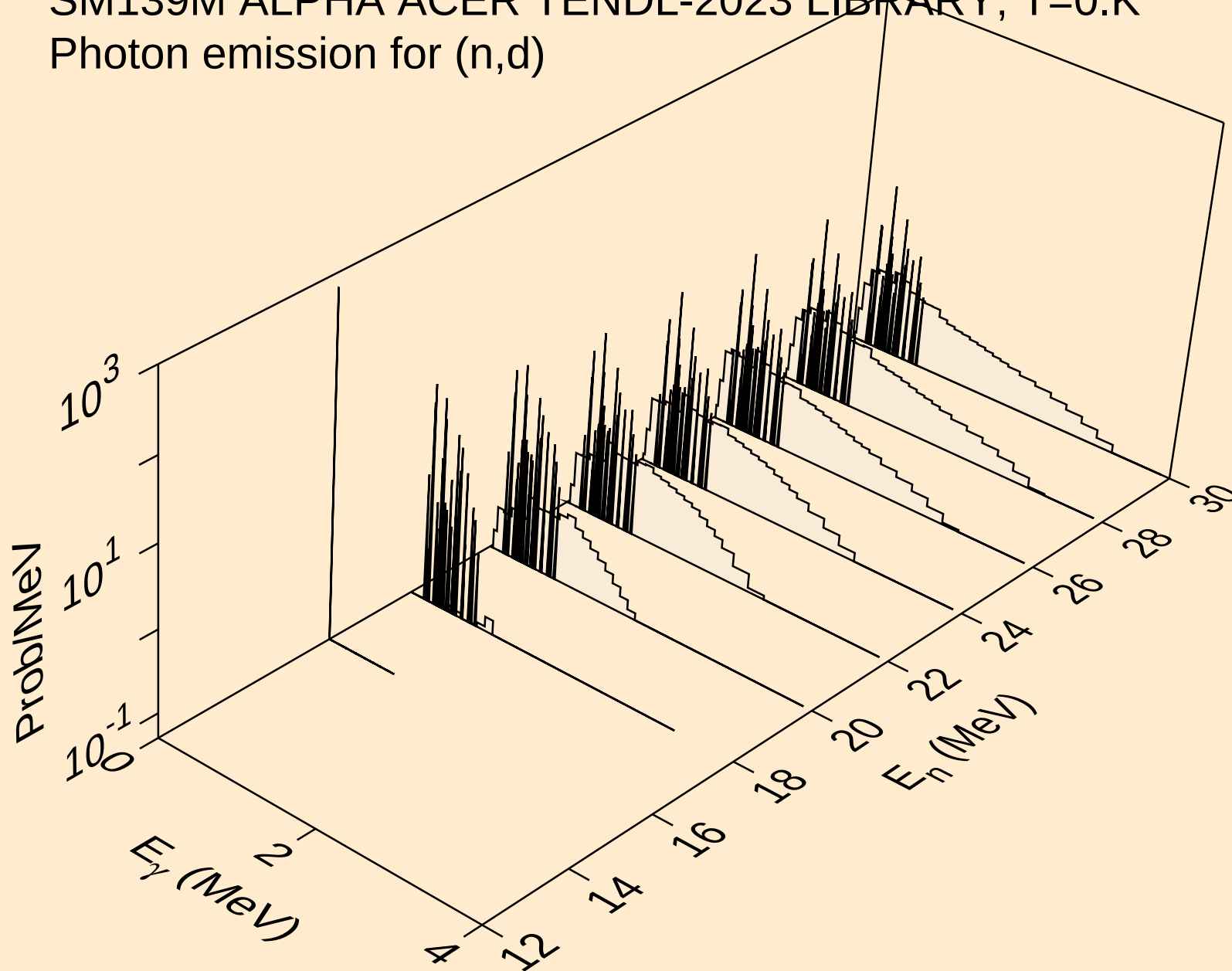
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



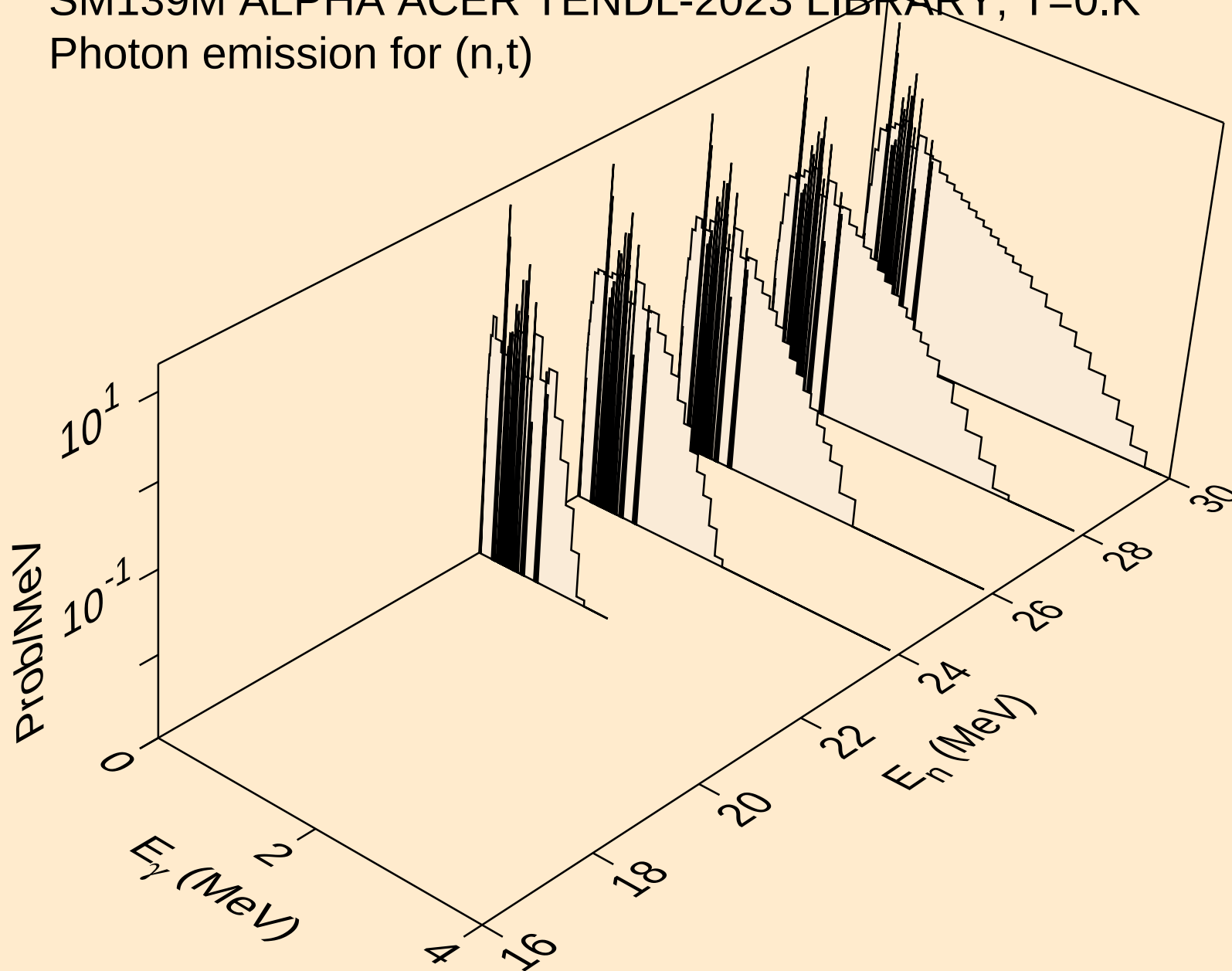
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



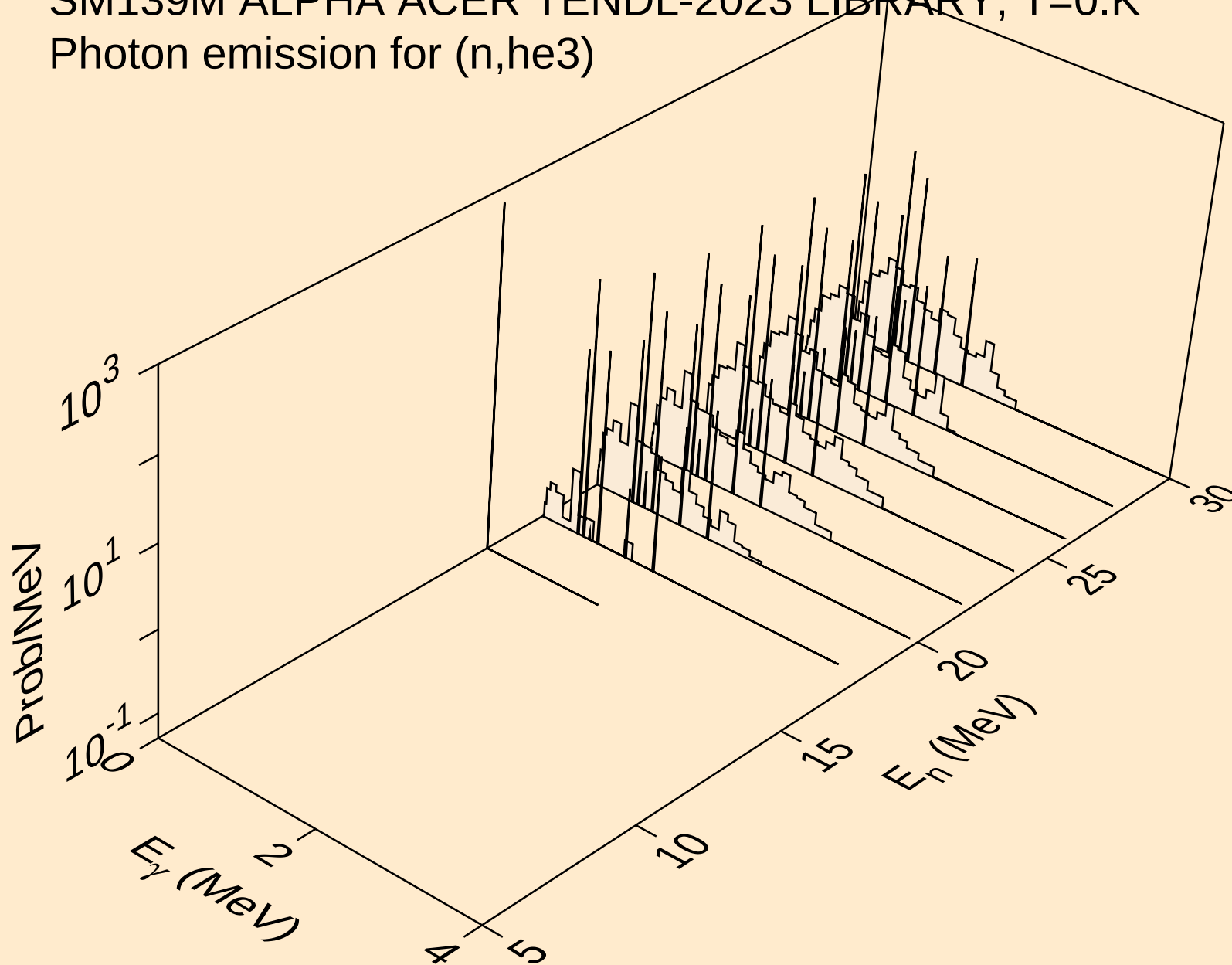
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Photon emission for (n,d)



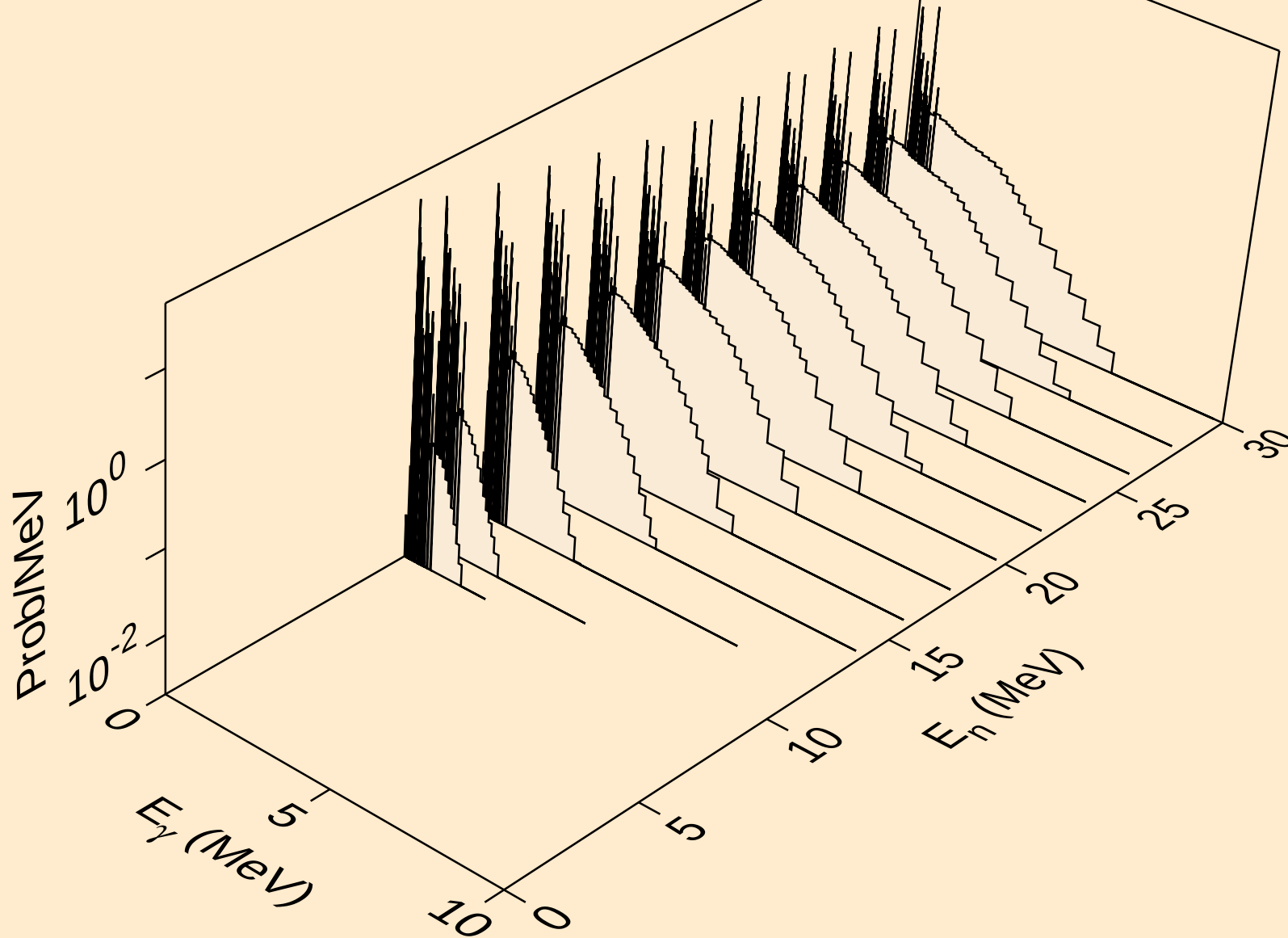
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



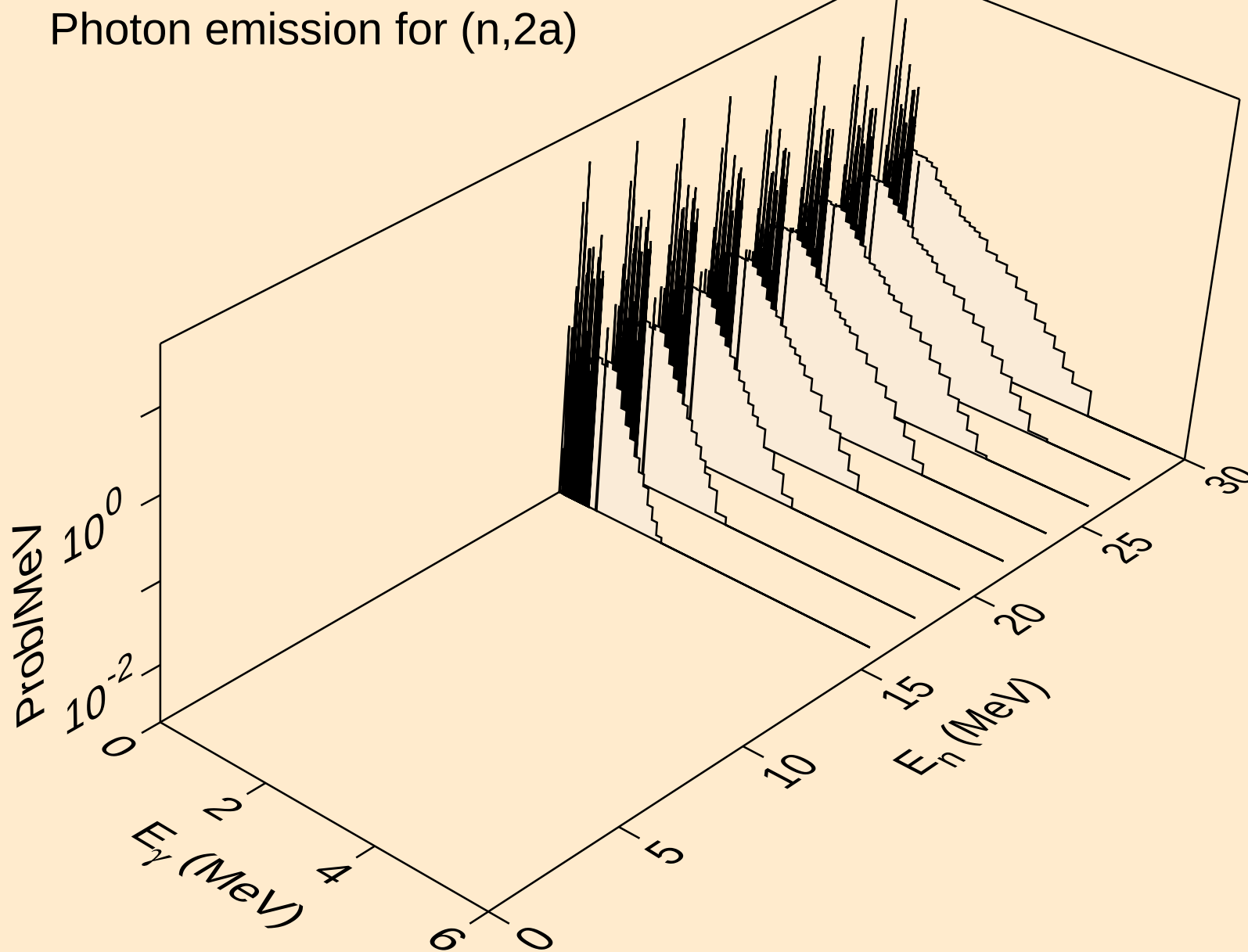
SM139M ALPHA ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,he3)



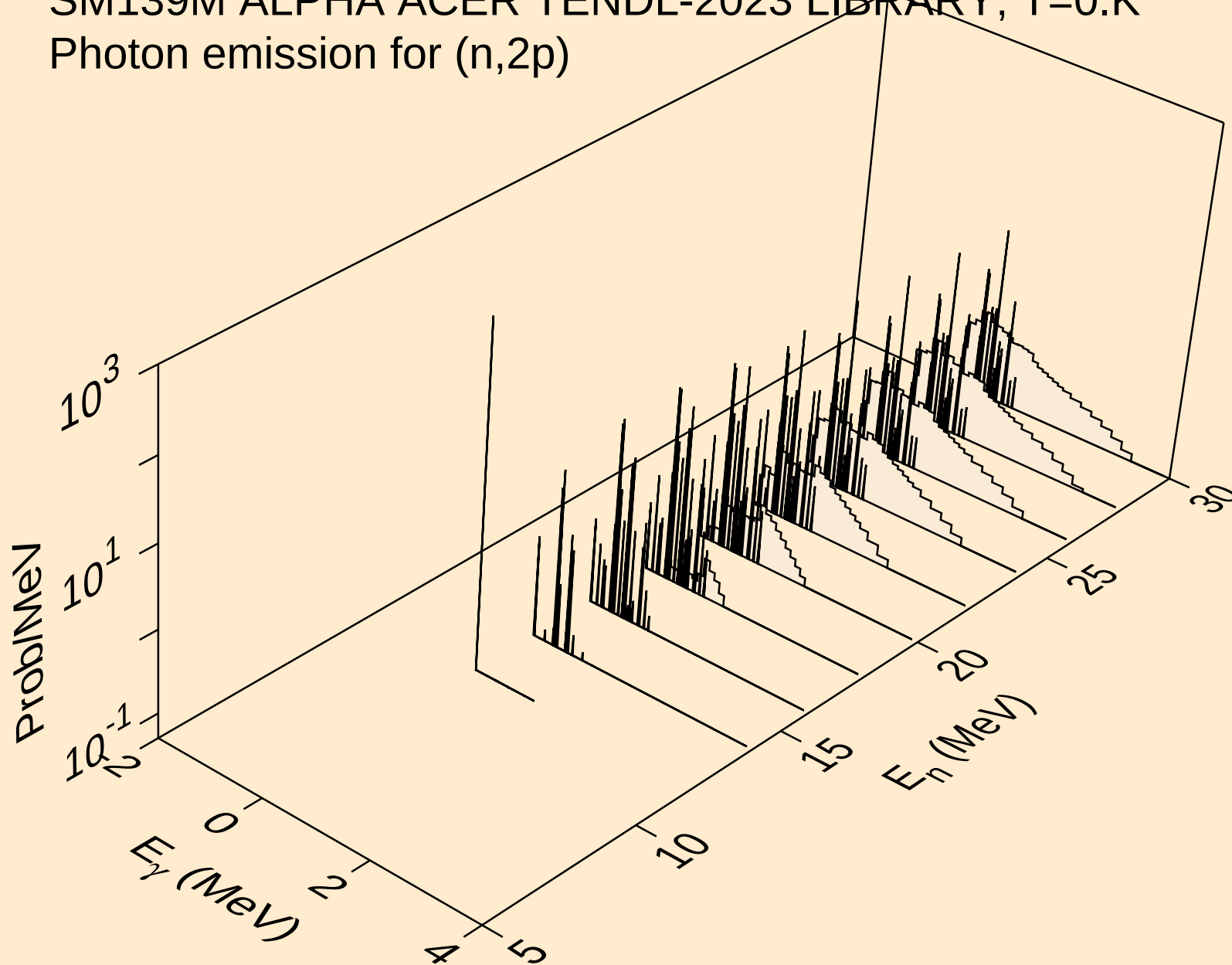
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)

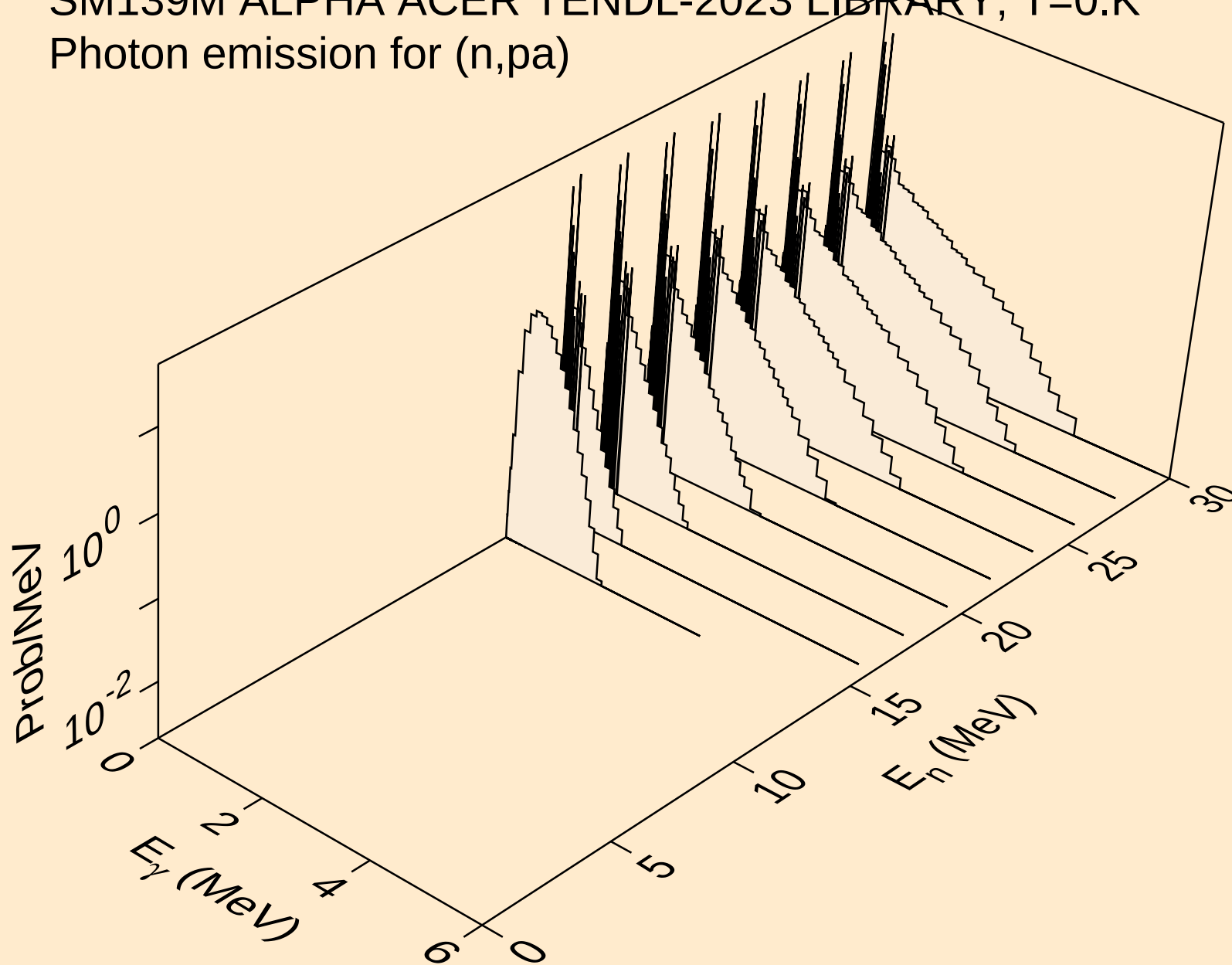


SM139M ALPHA ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2p)

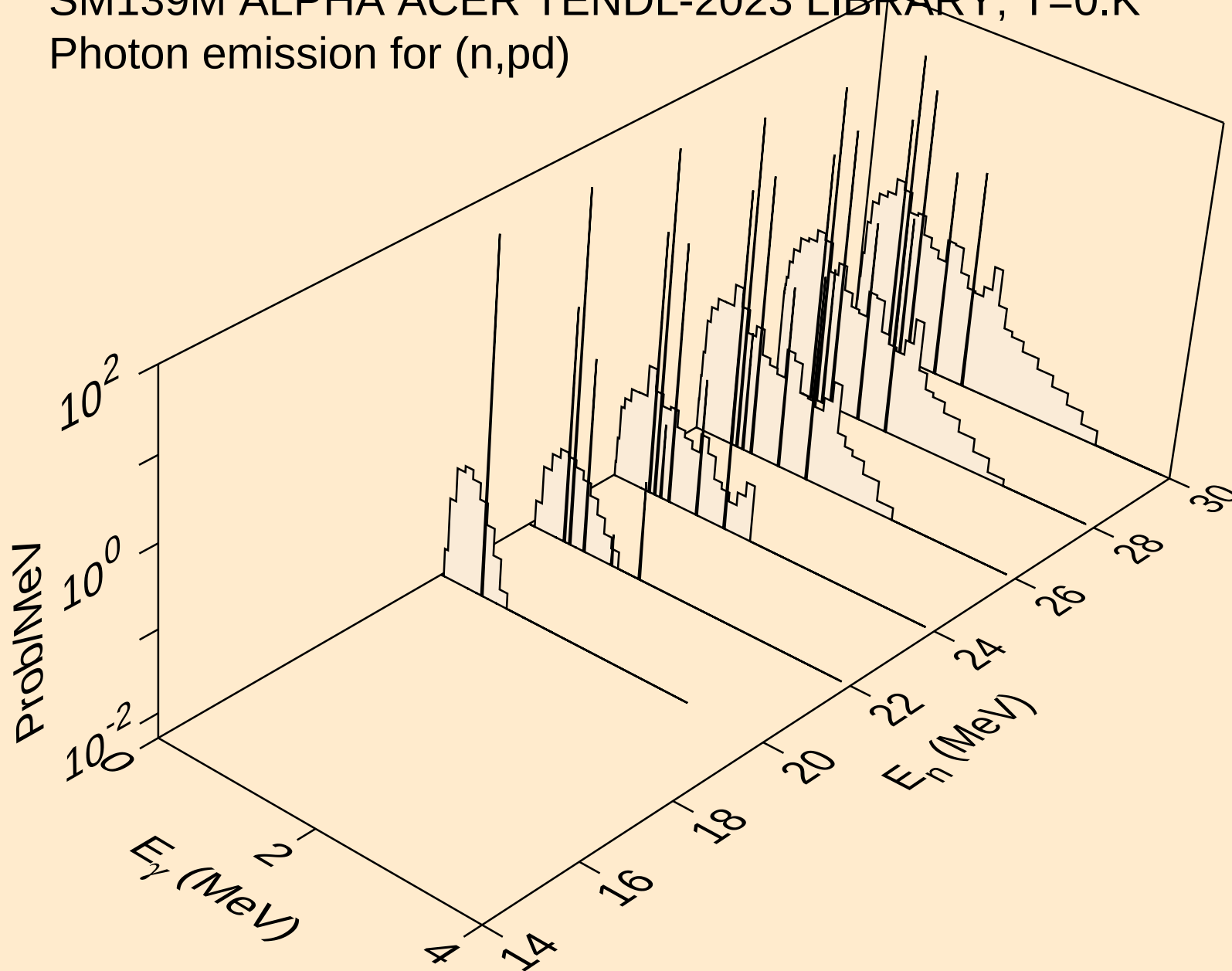


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p α)

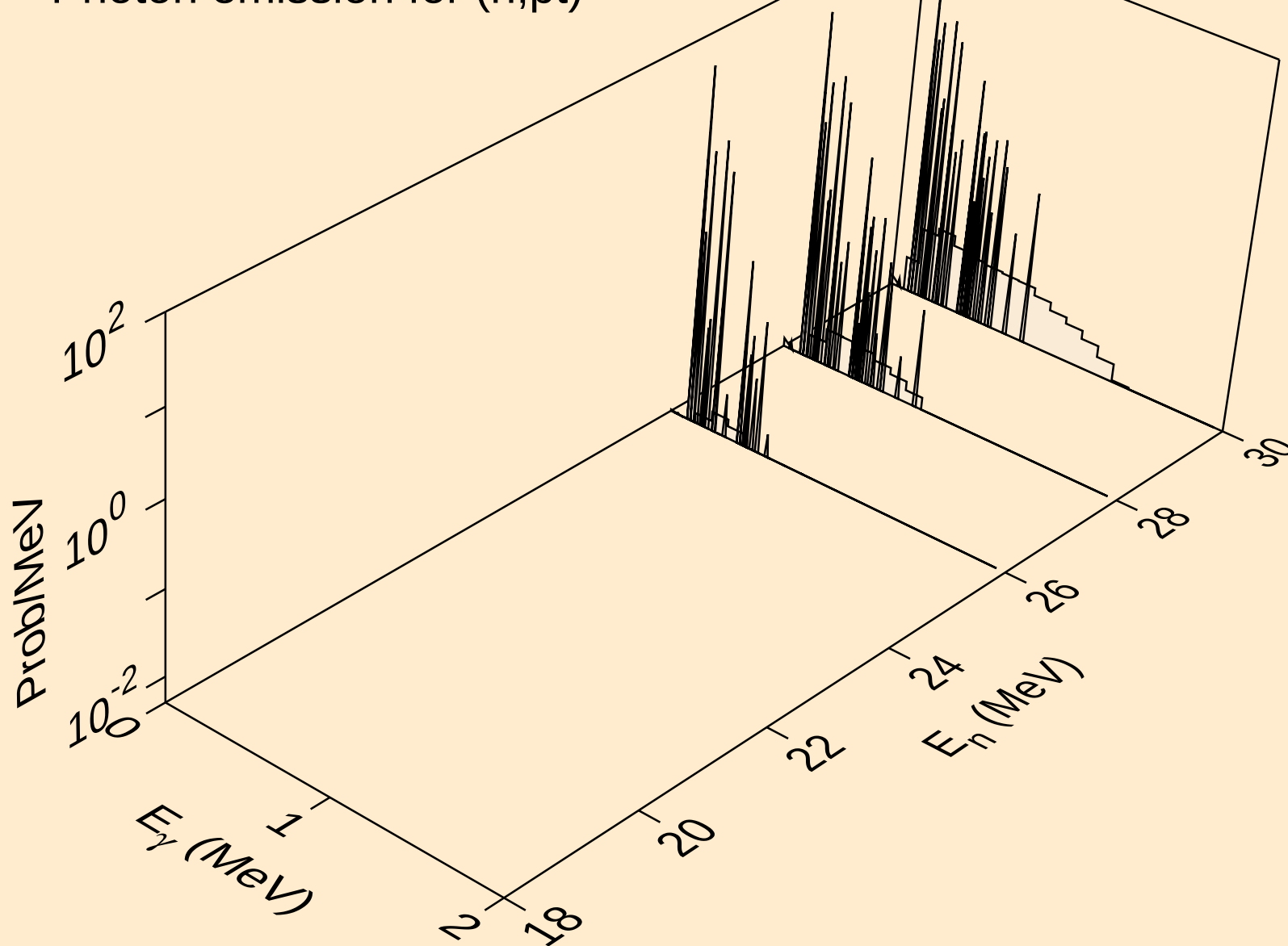


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

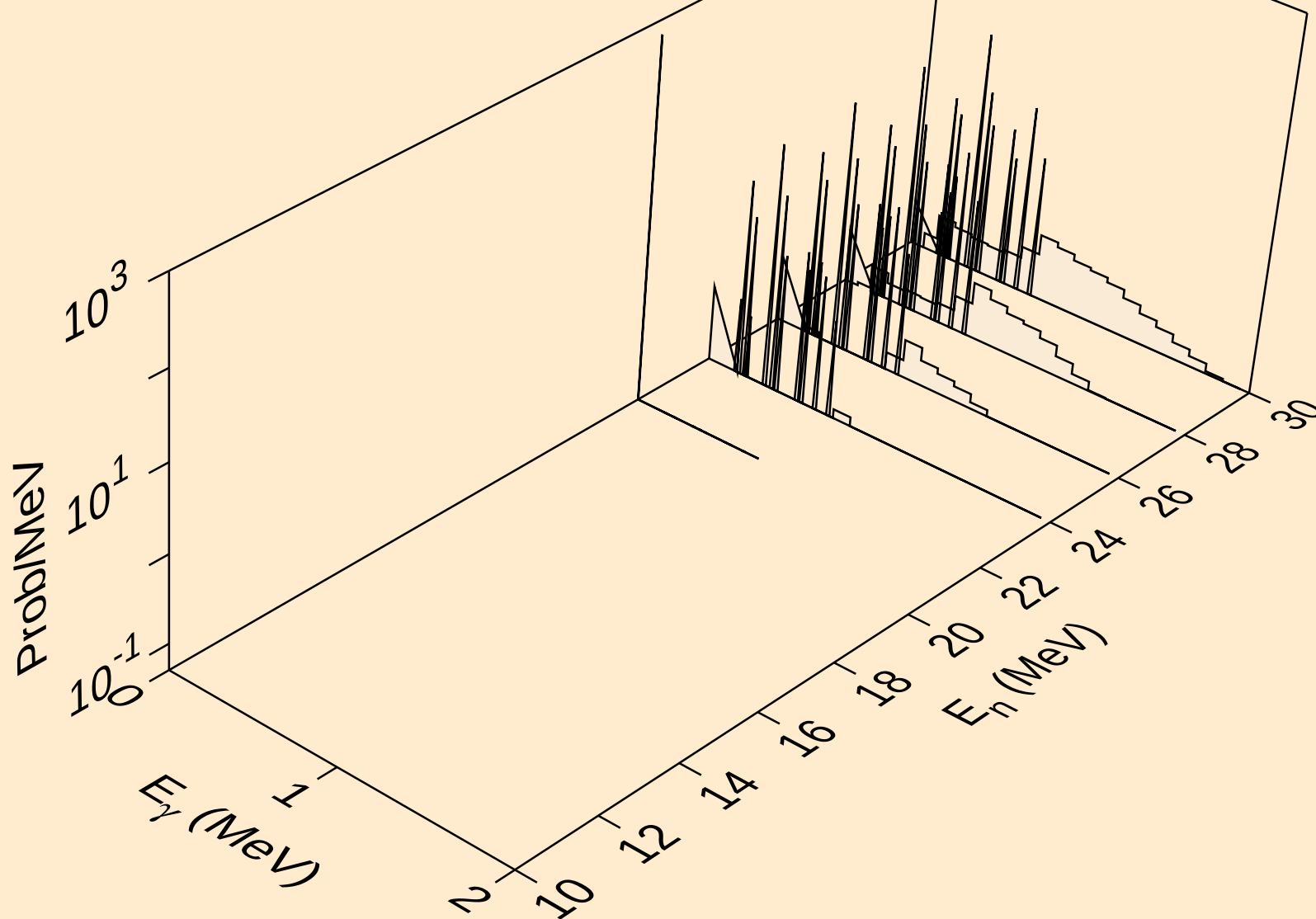


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Photon emission for (n,pt)

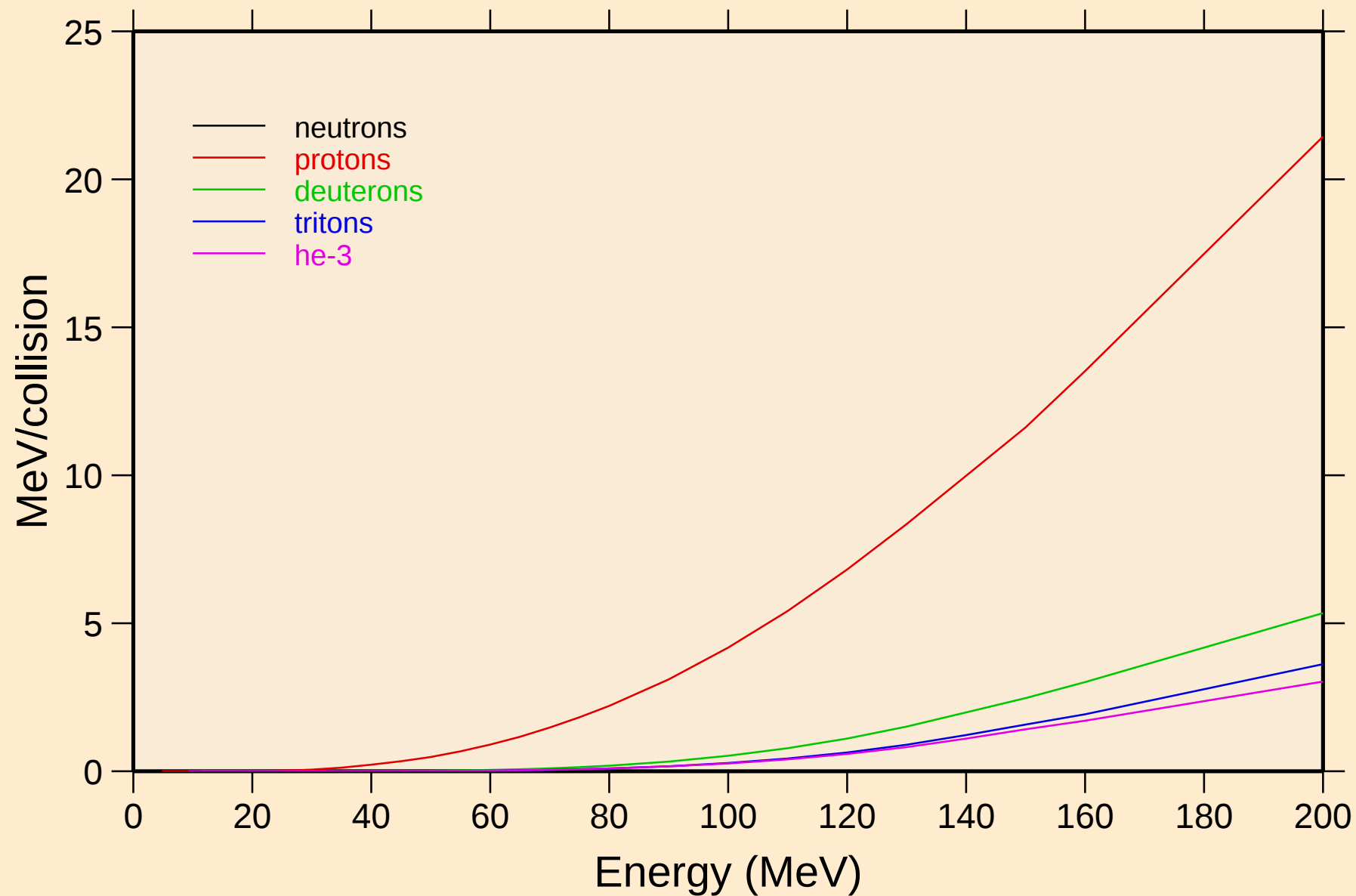


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



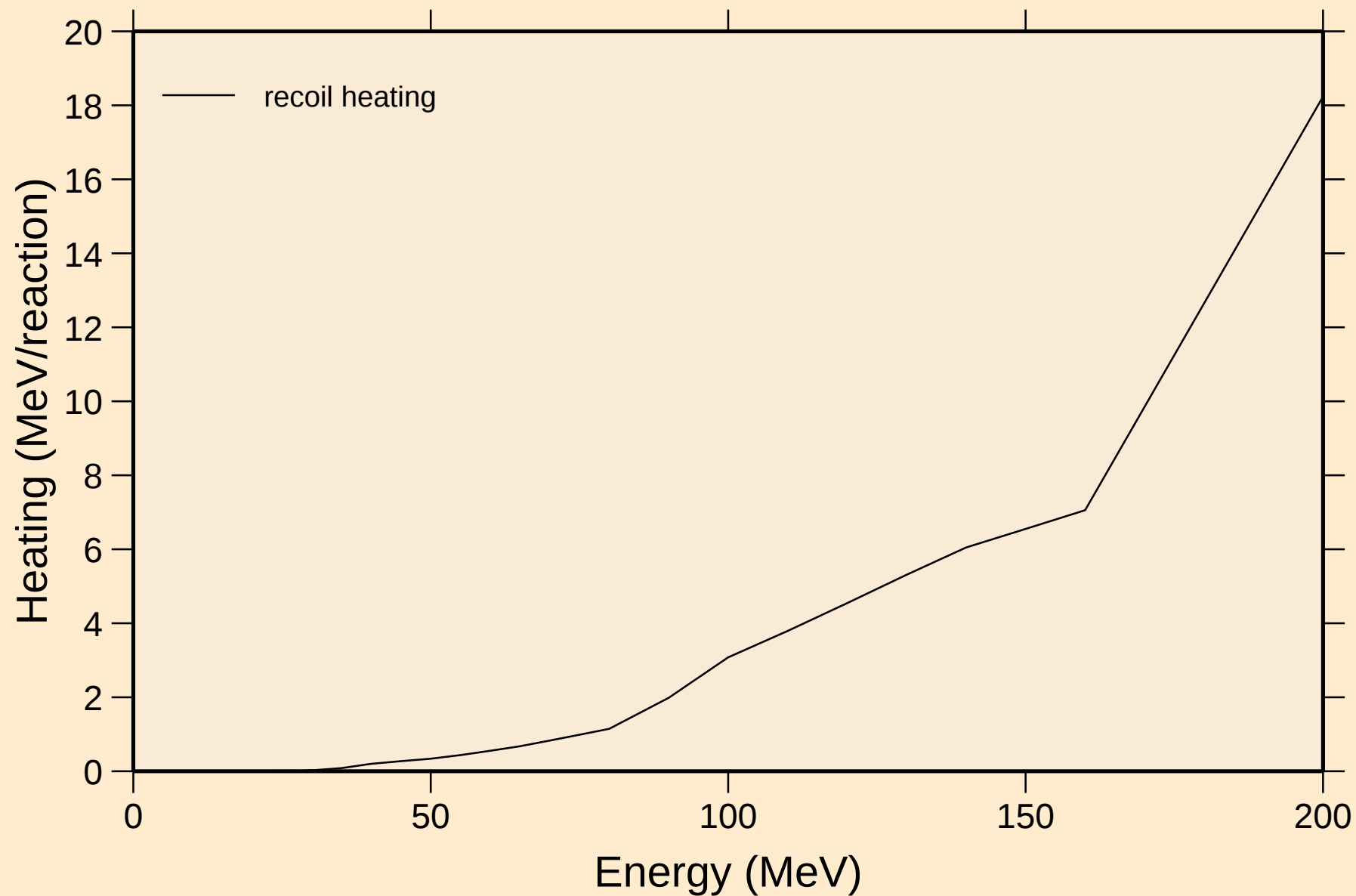
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



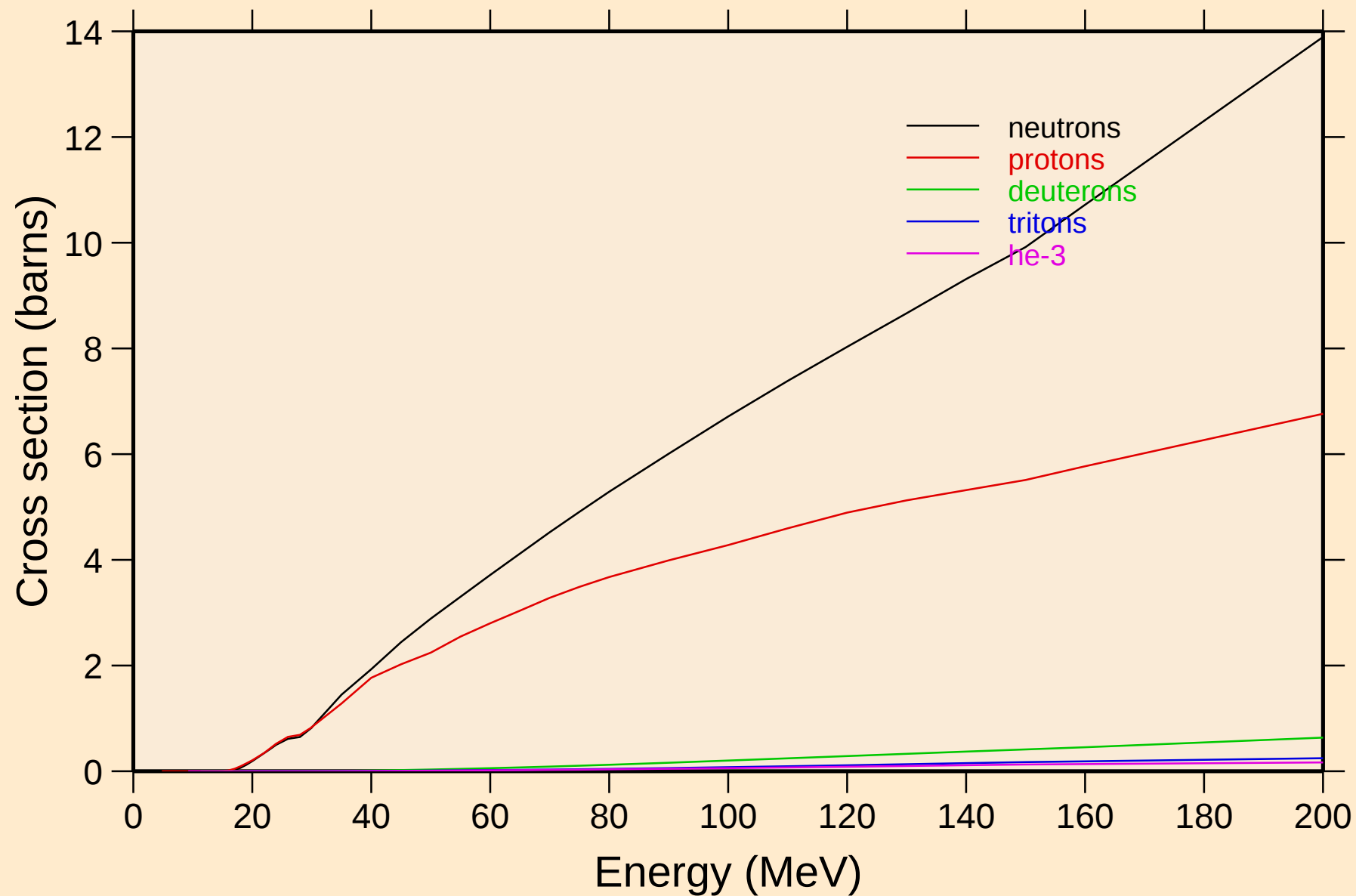
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

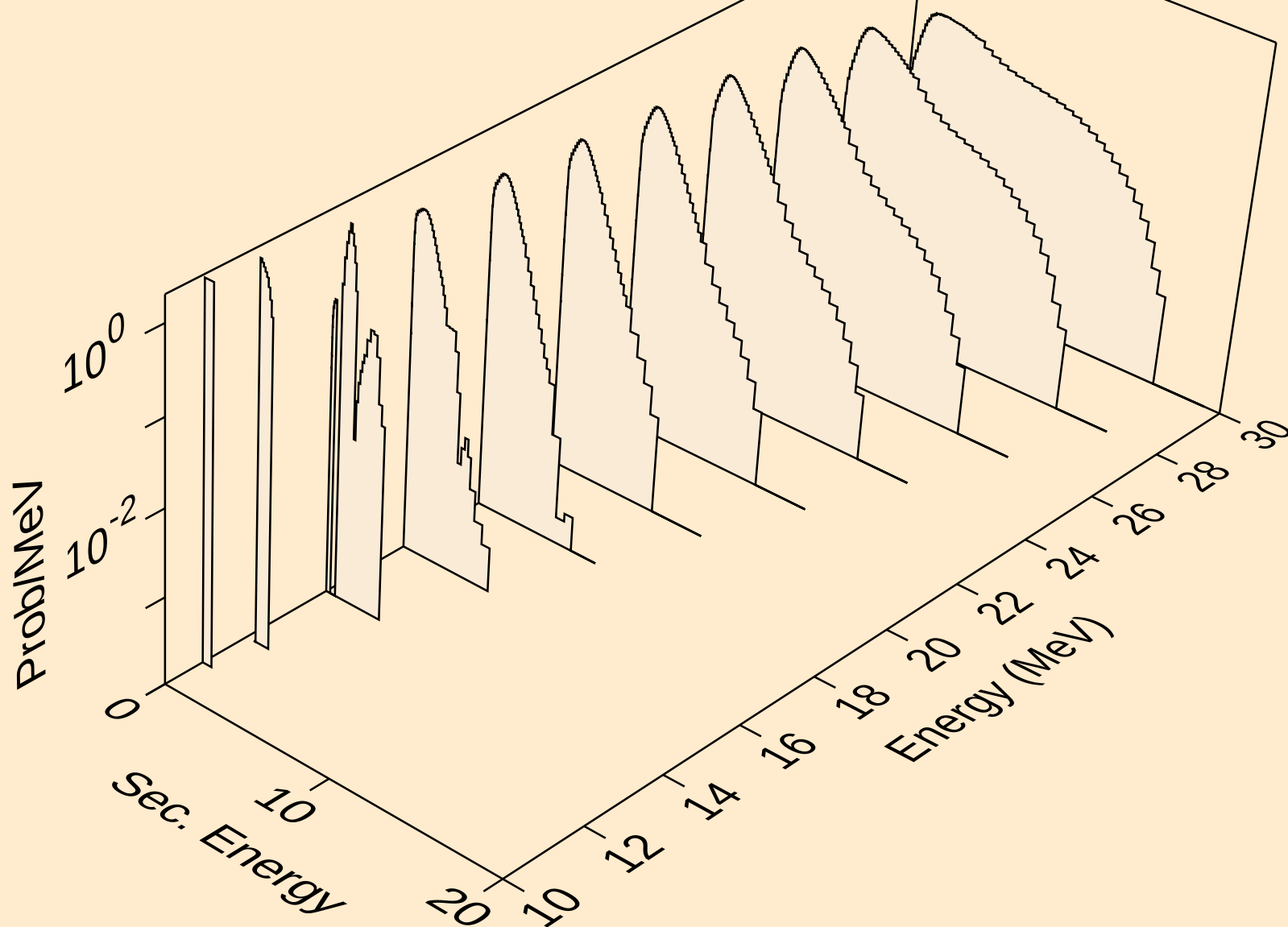


SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

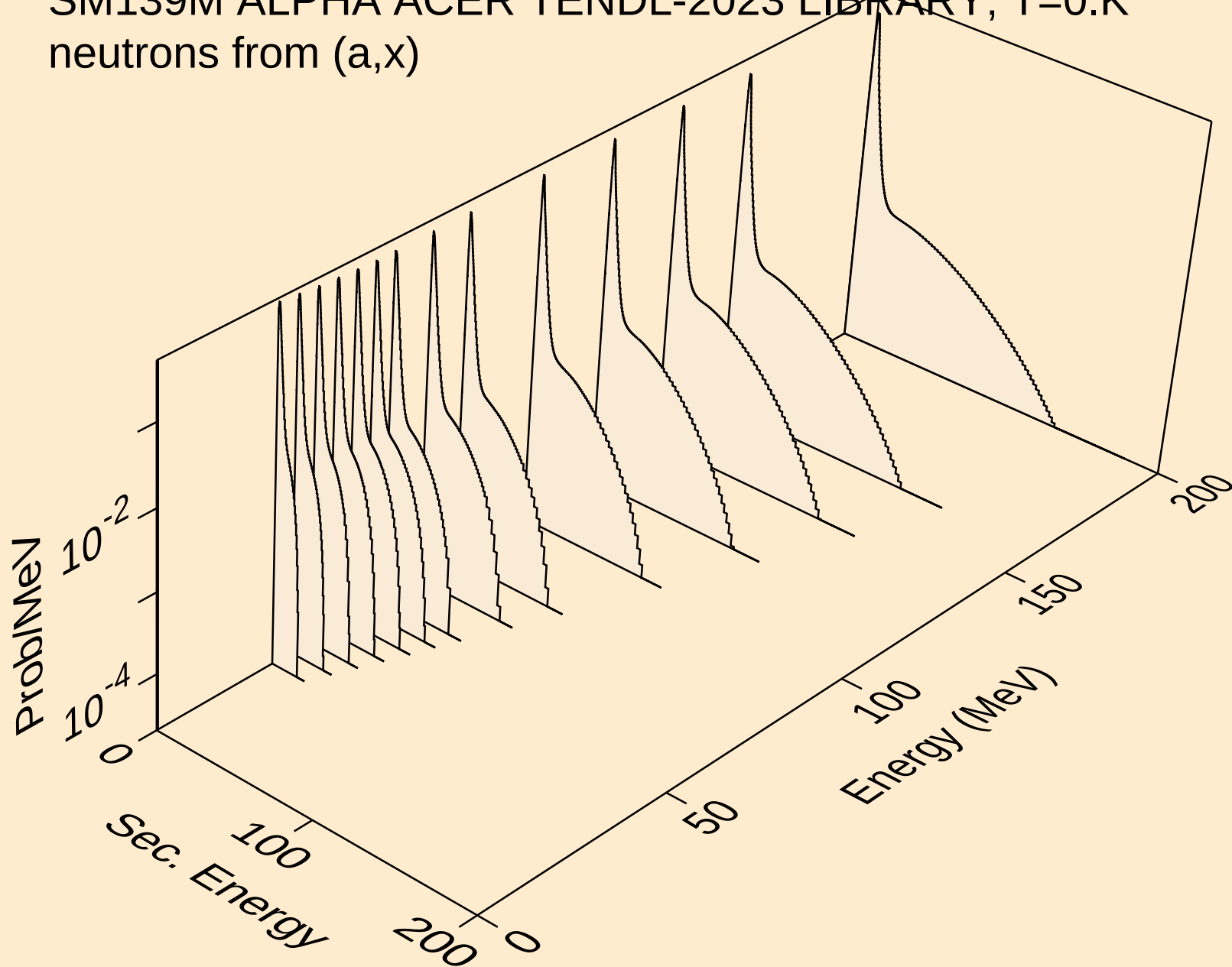
Particle production cross sections



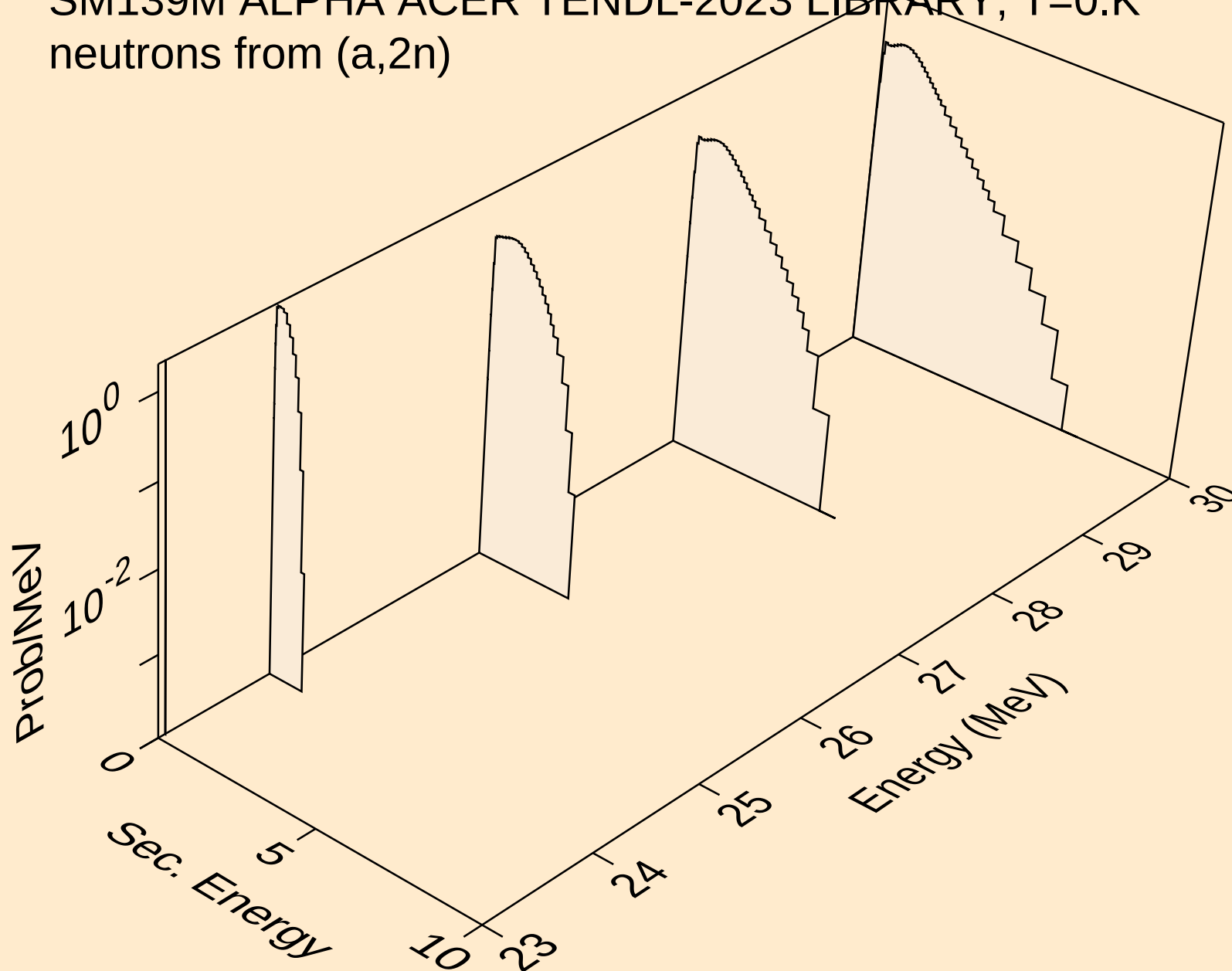
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)



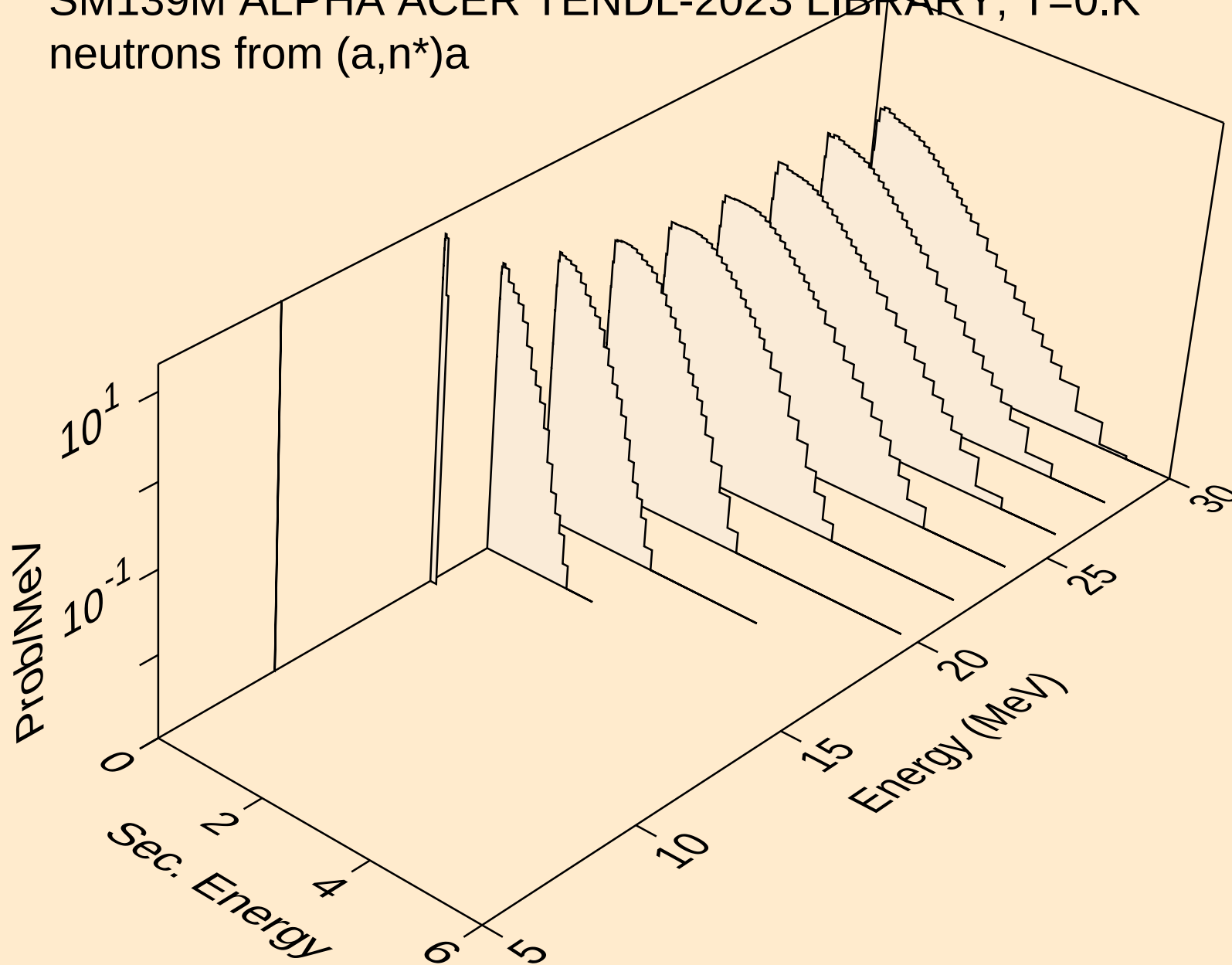
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)



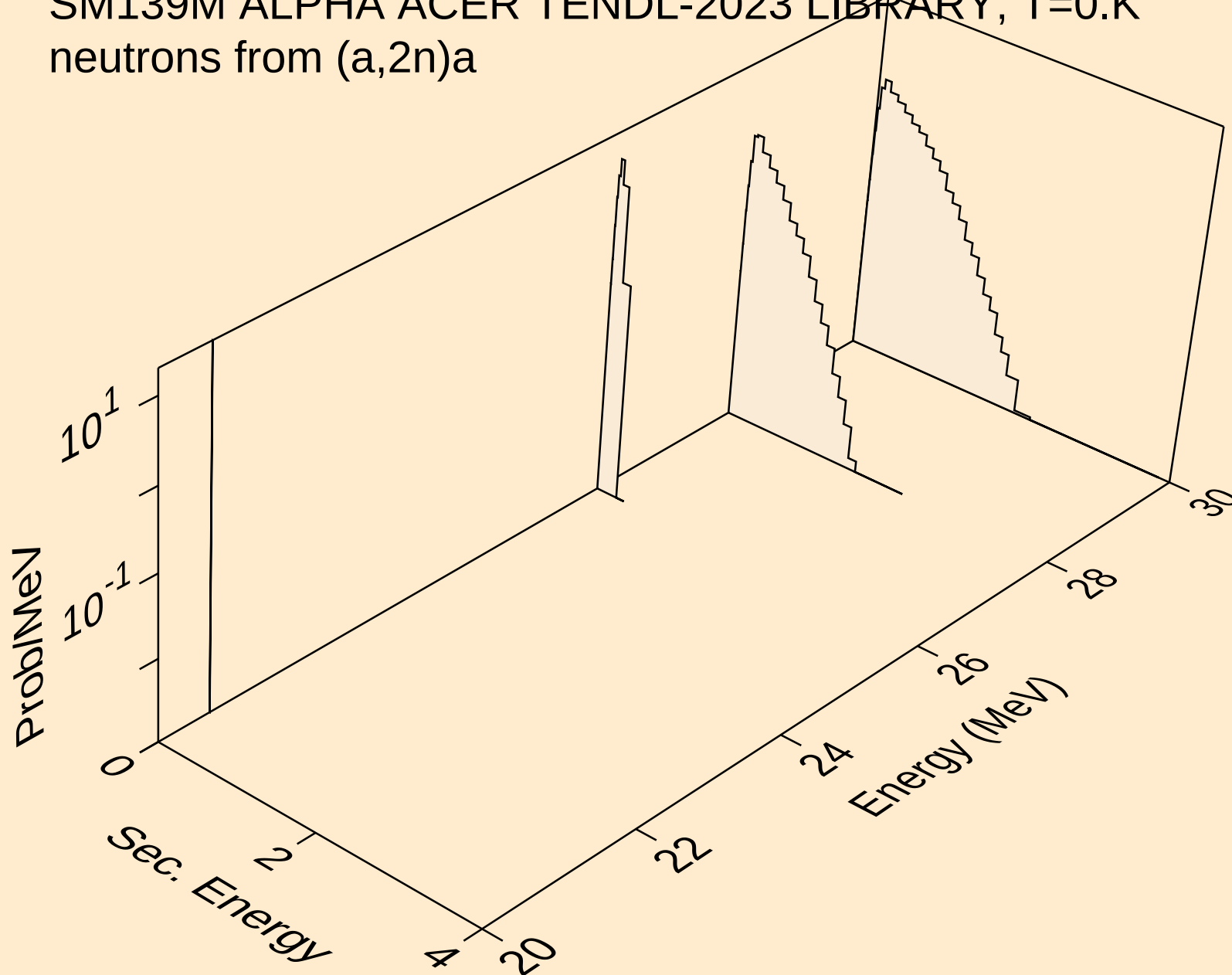
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neutrons from (a,2n)



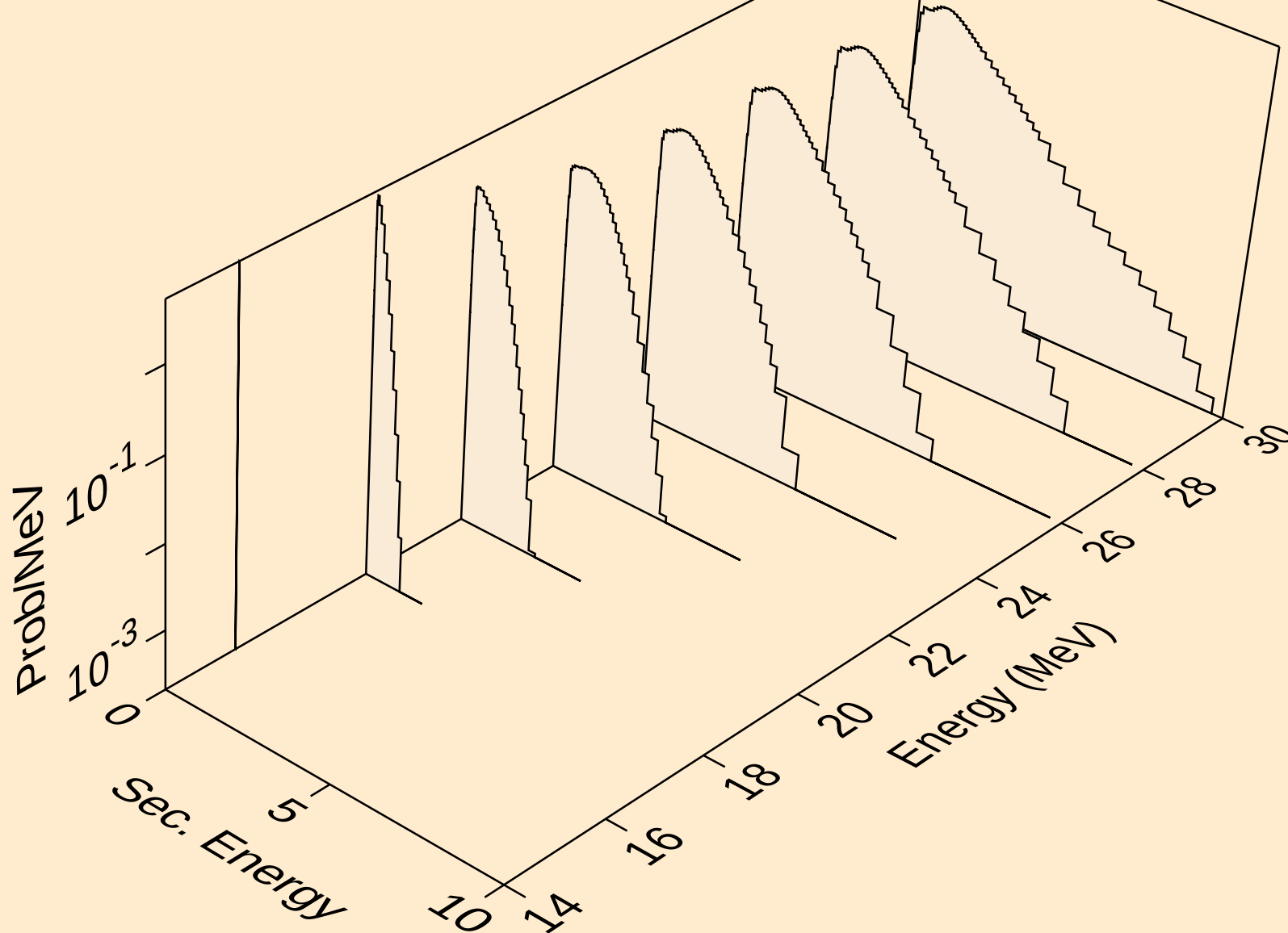
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)a



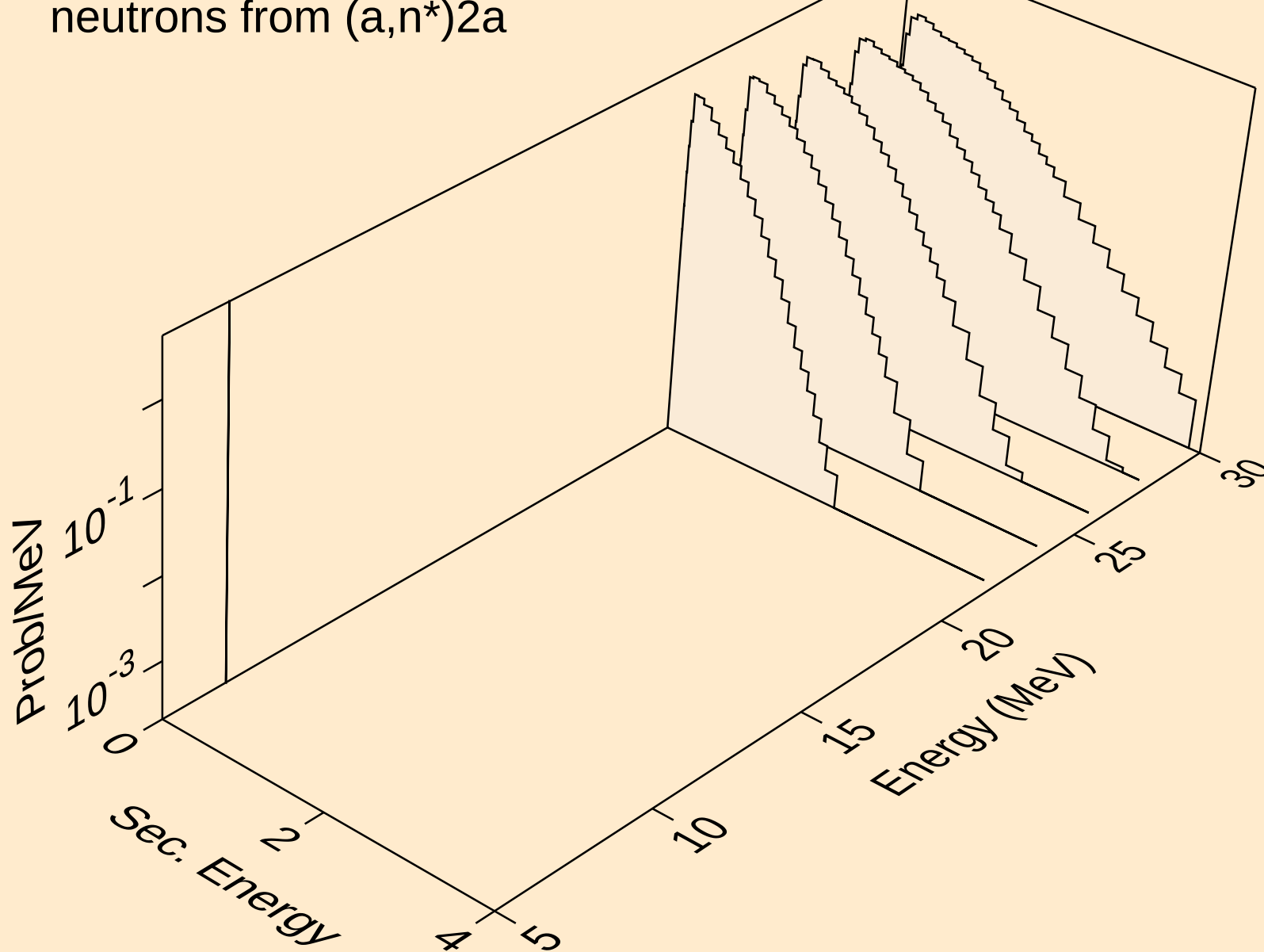
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,2n)a



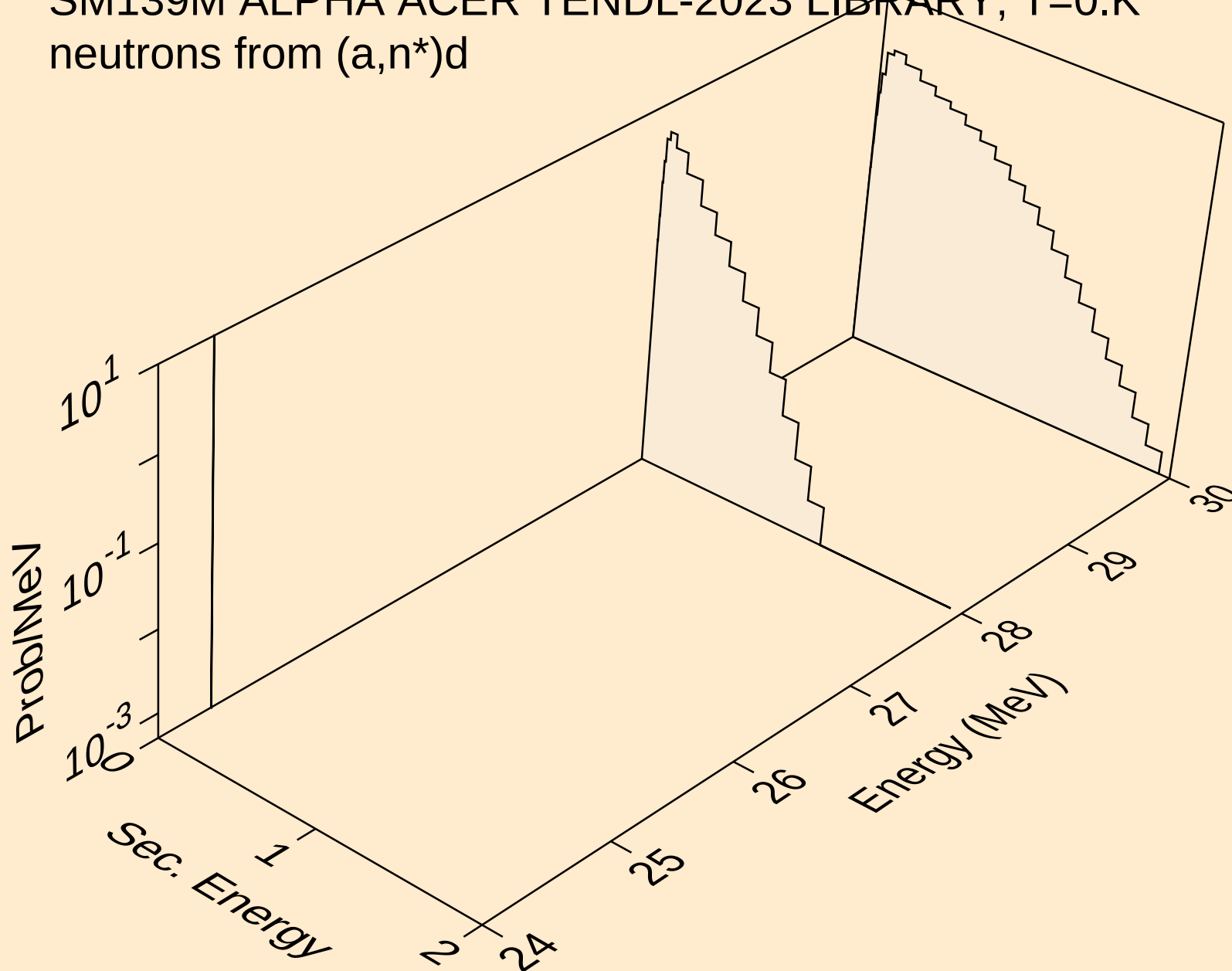
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neutrons from (a,n*)p



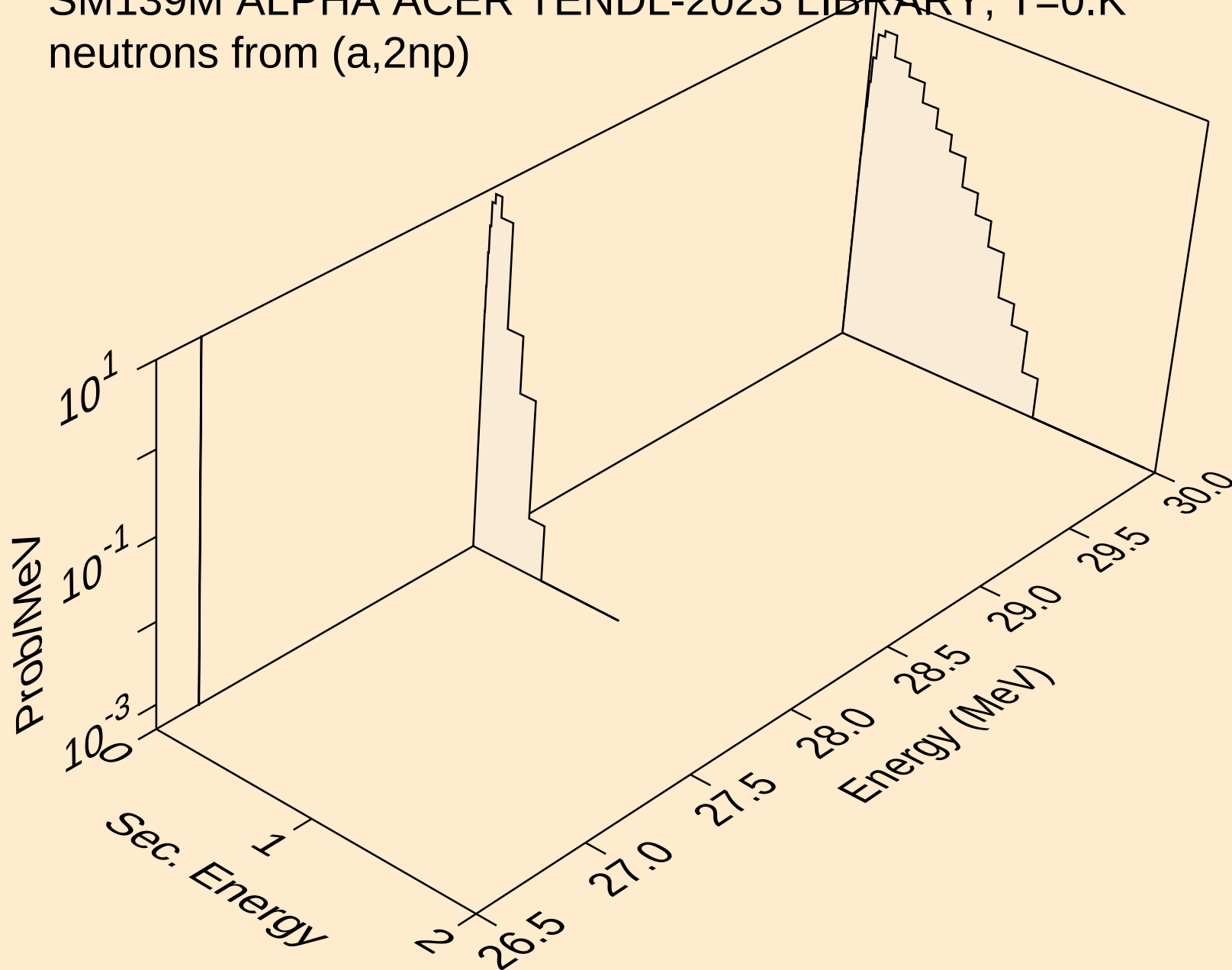
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neutrons from (a,n*)2a



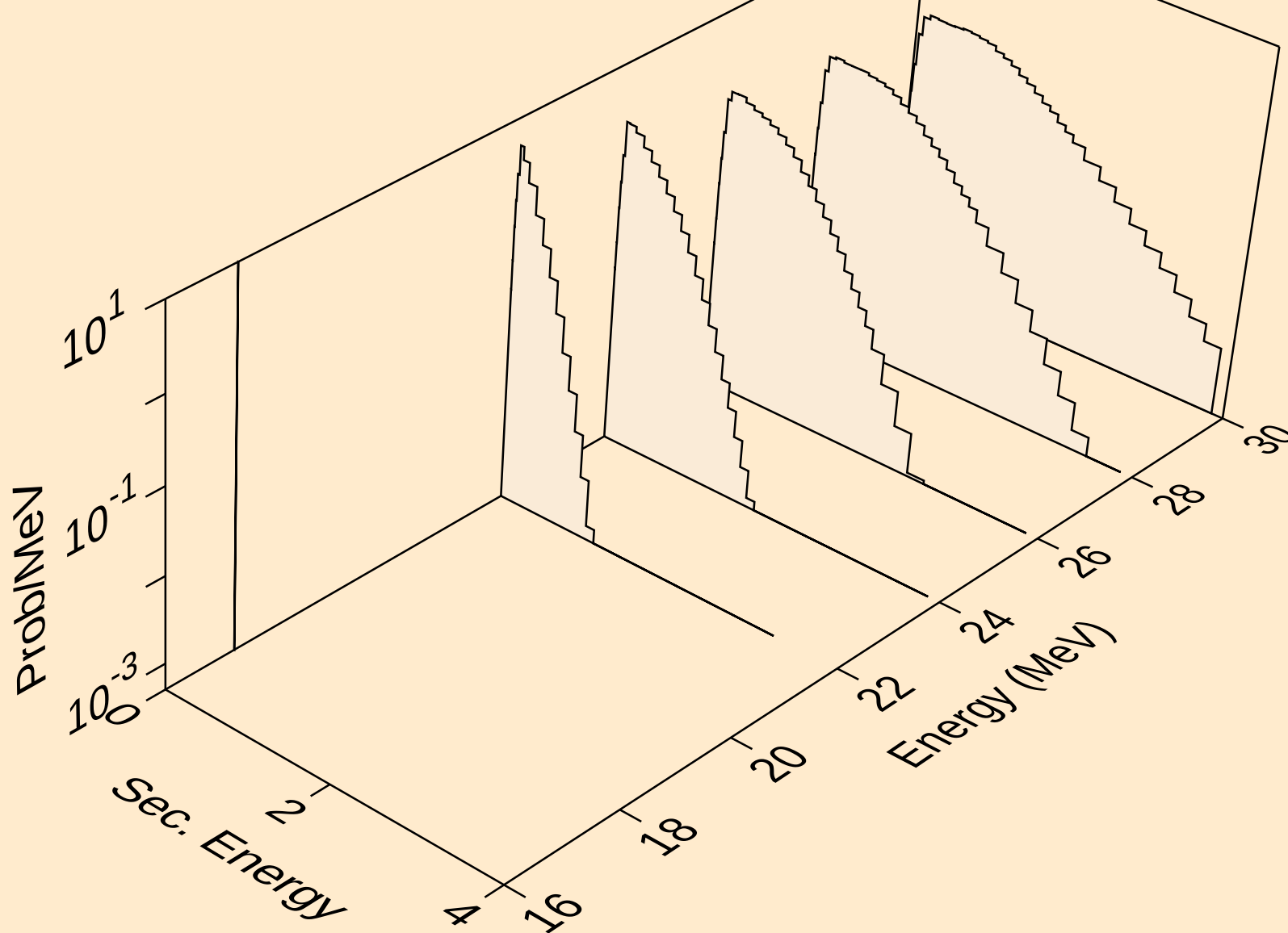
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neutrons from (a,n*)d



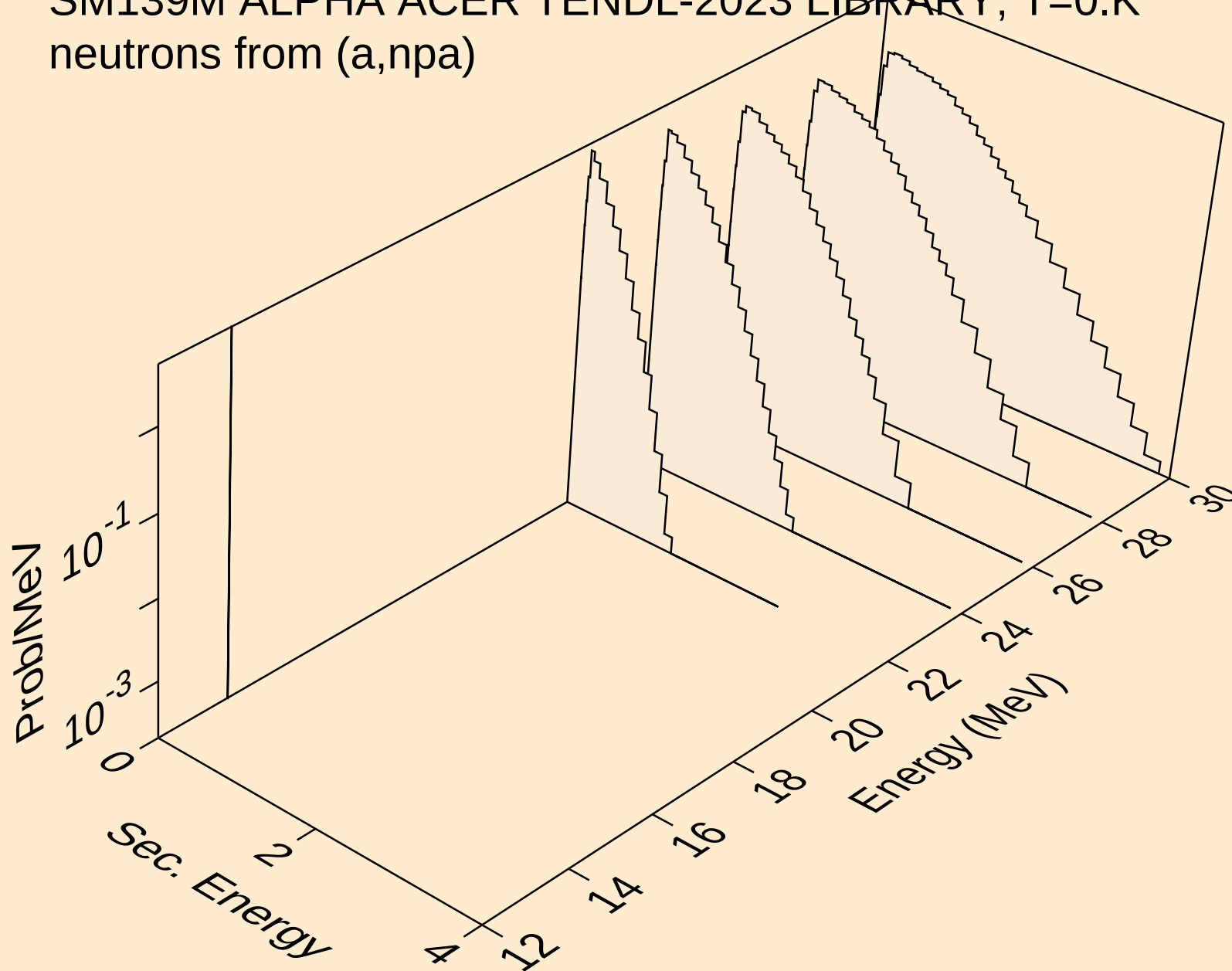
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neutrons from (a,2np)



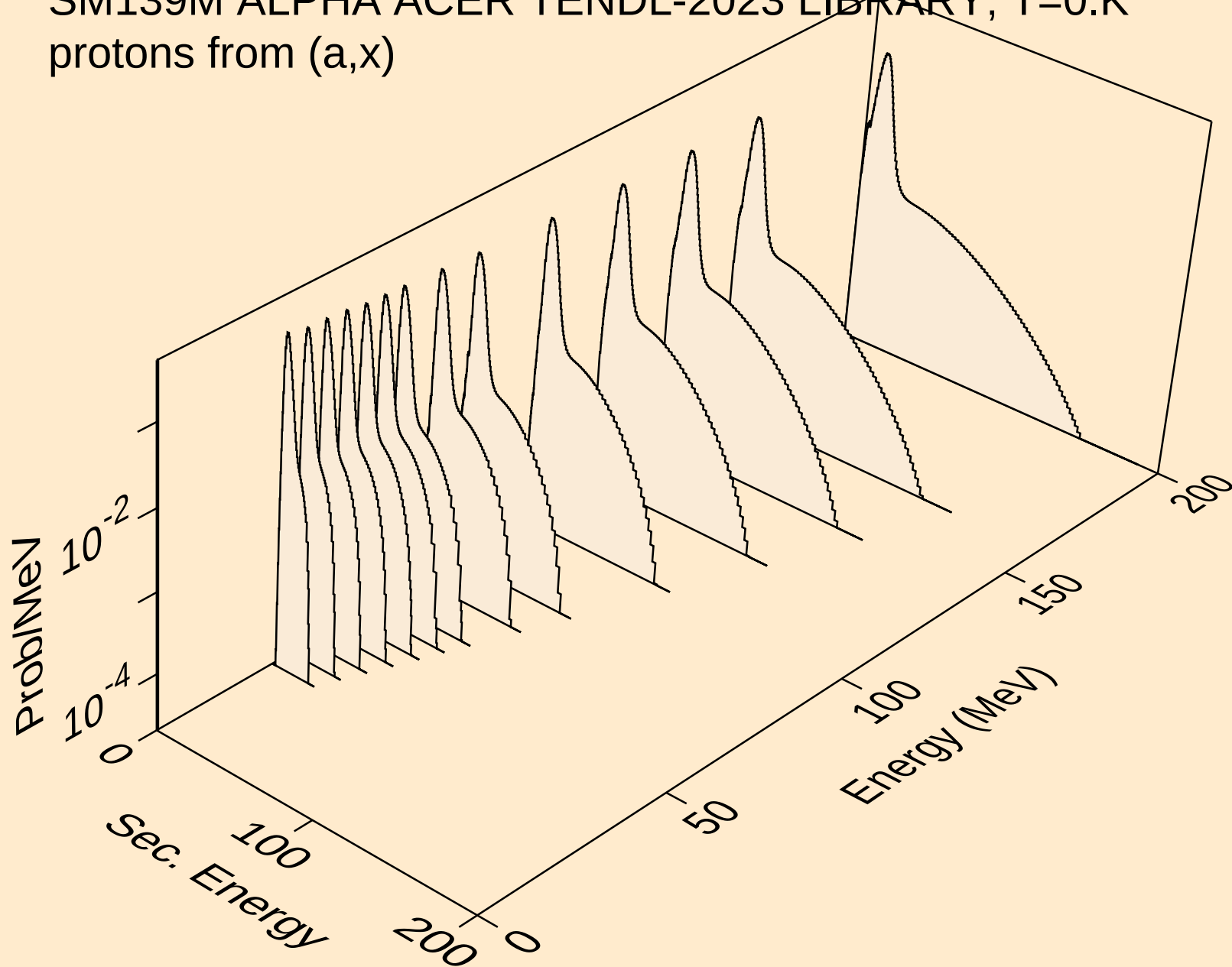
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neutrons from (a,n2p)



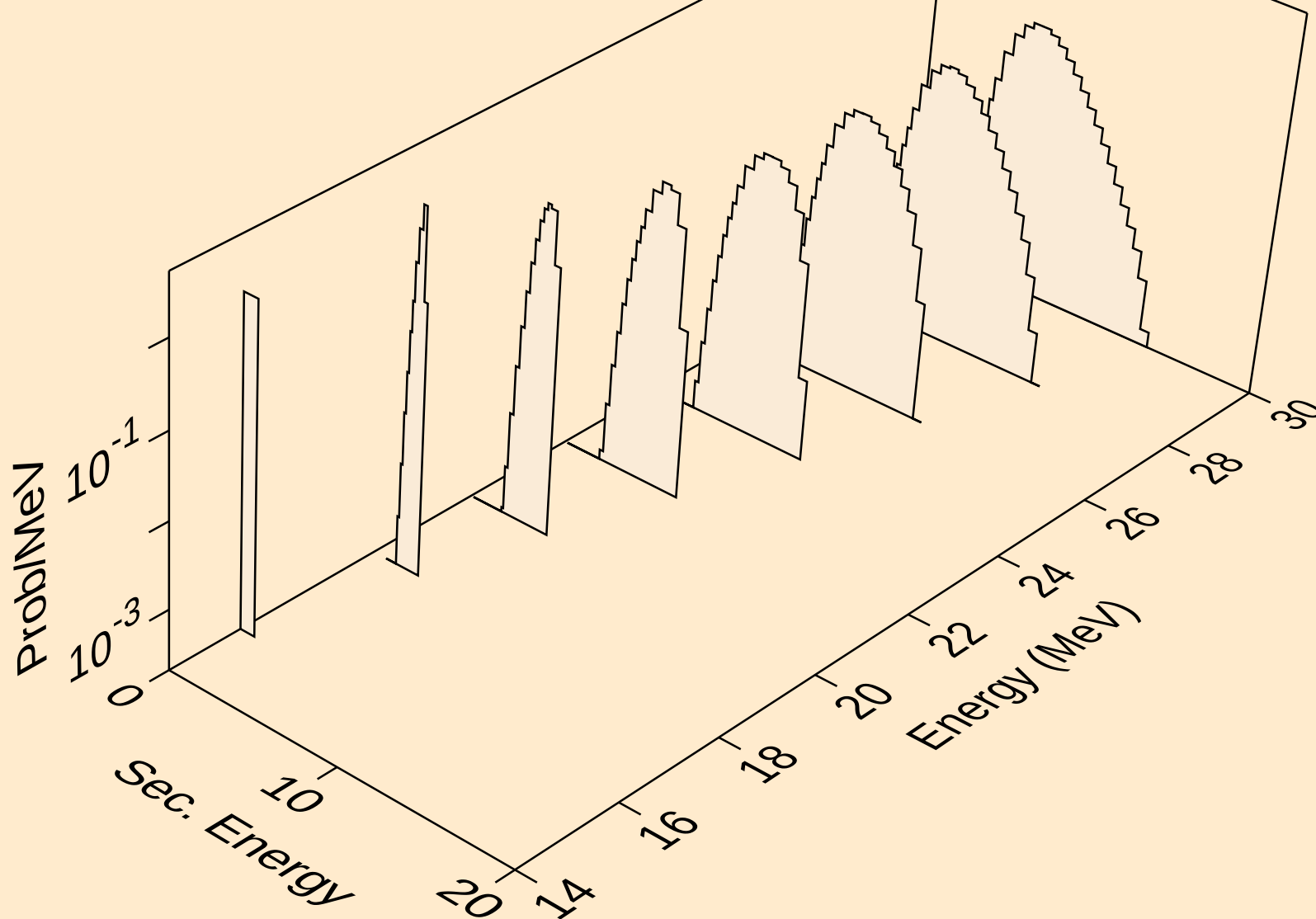
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neutrons from (a,npa)



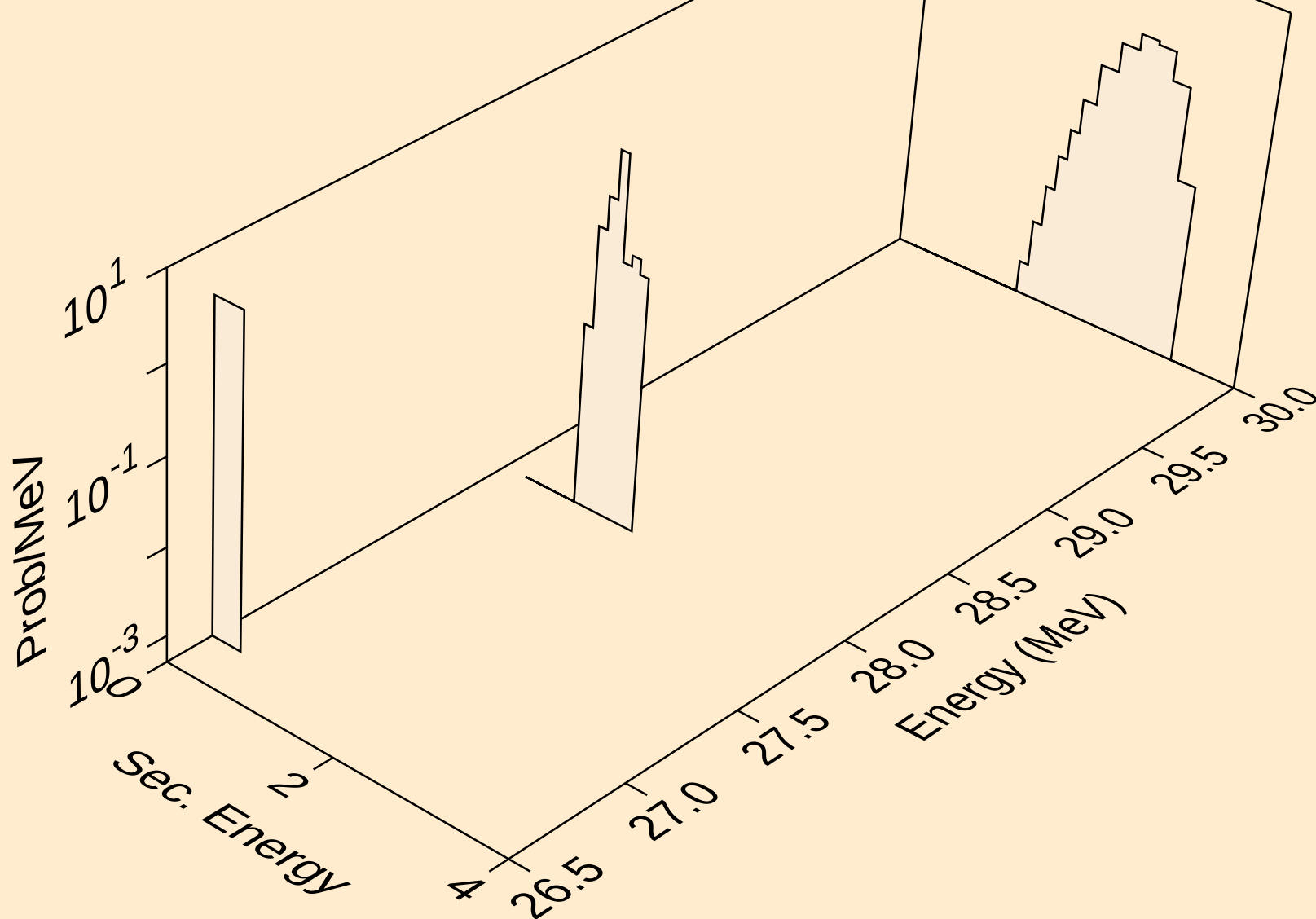
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protons from (a,x)



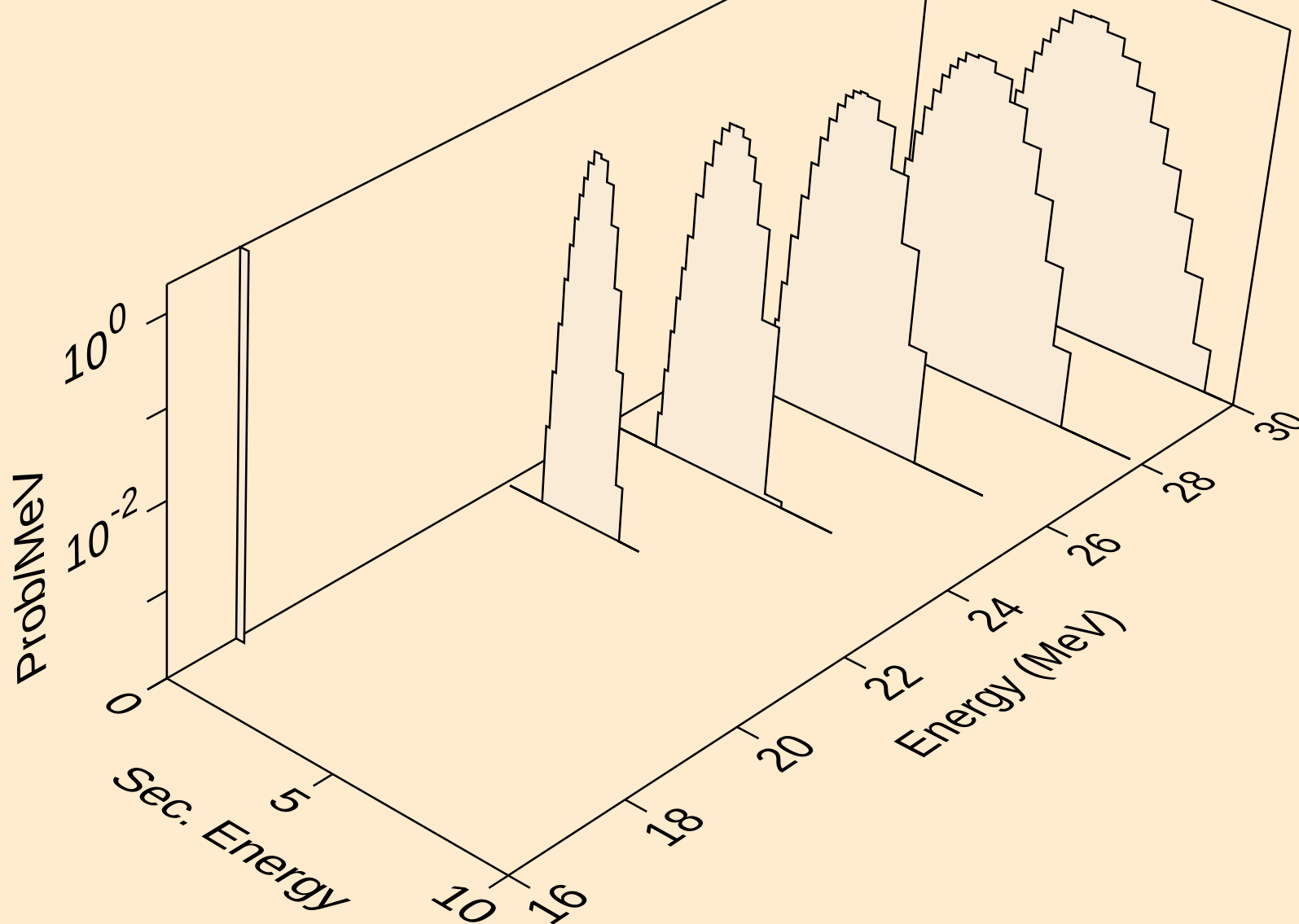
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protons from (a,n*)p



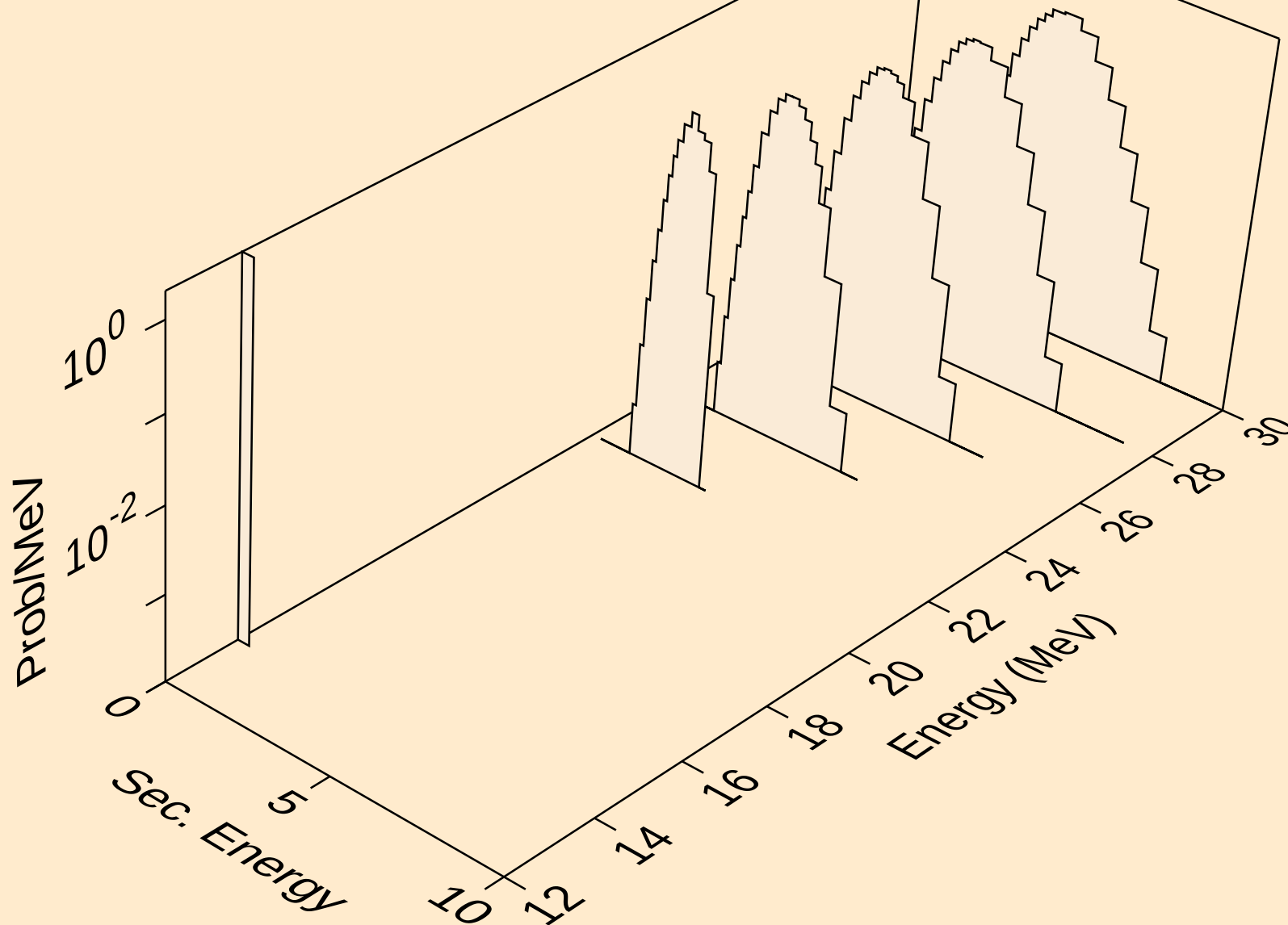
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protons from (a,2np)



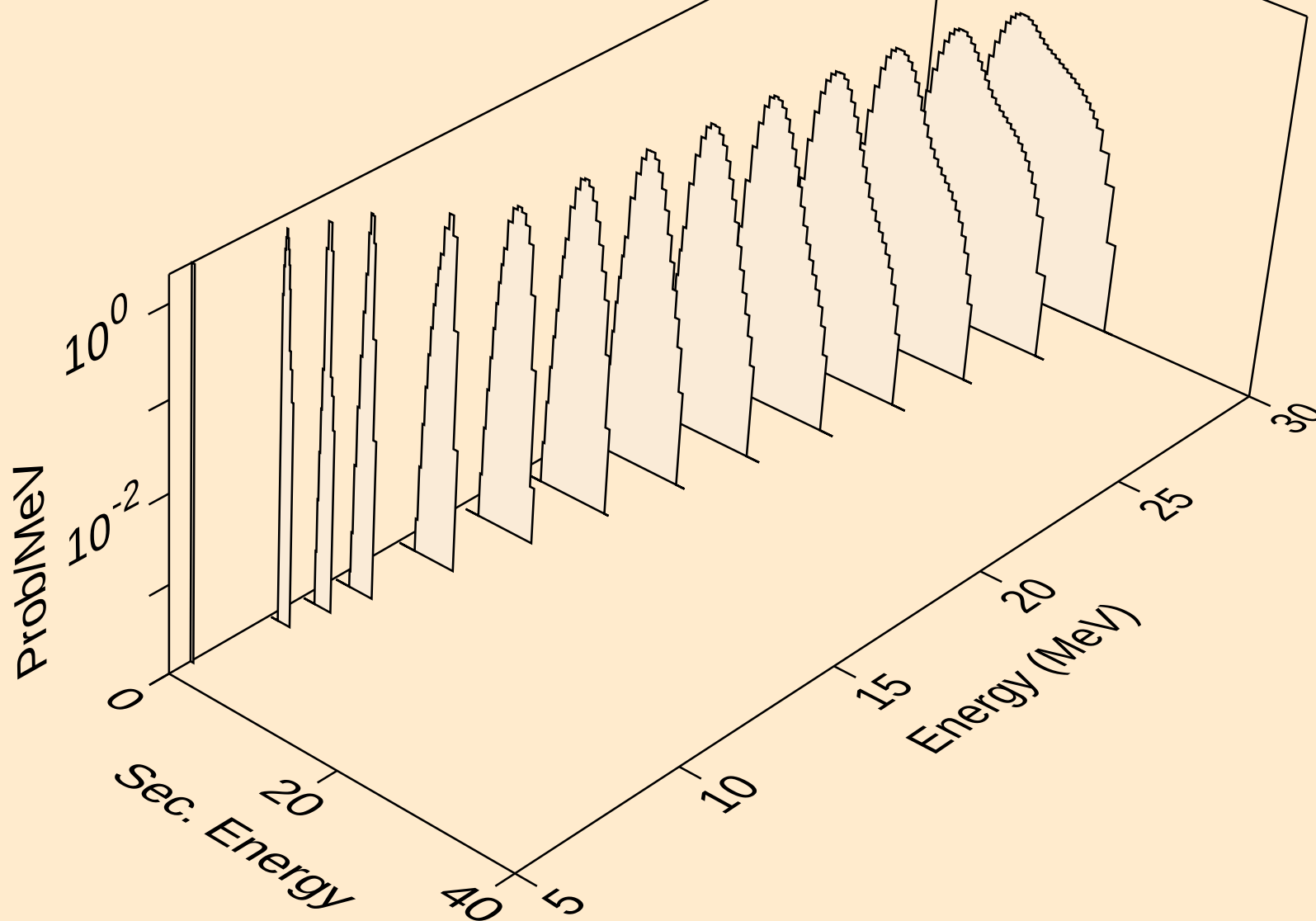
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protons from (a,n2p)



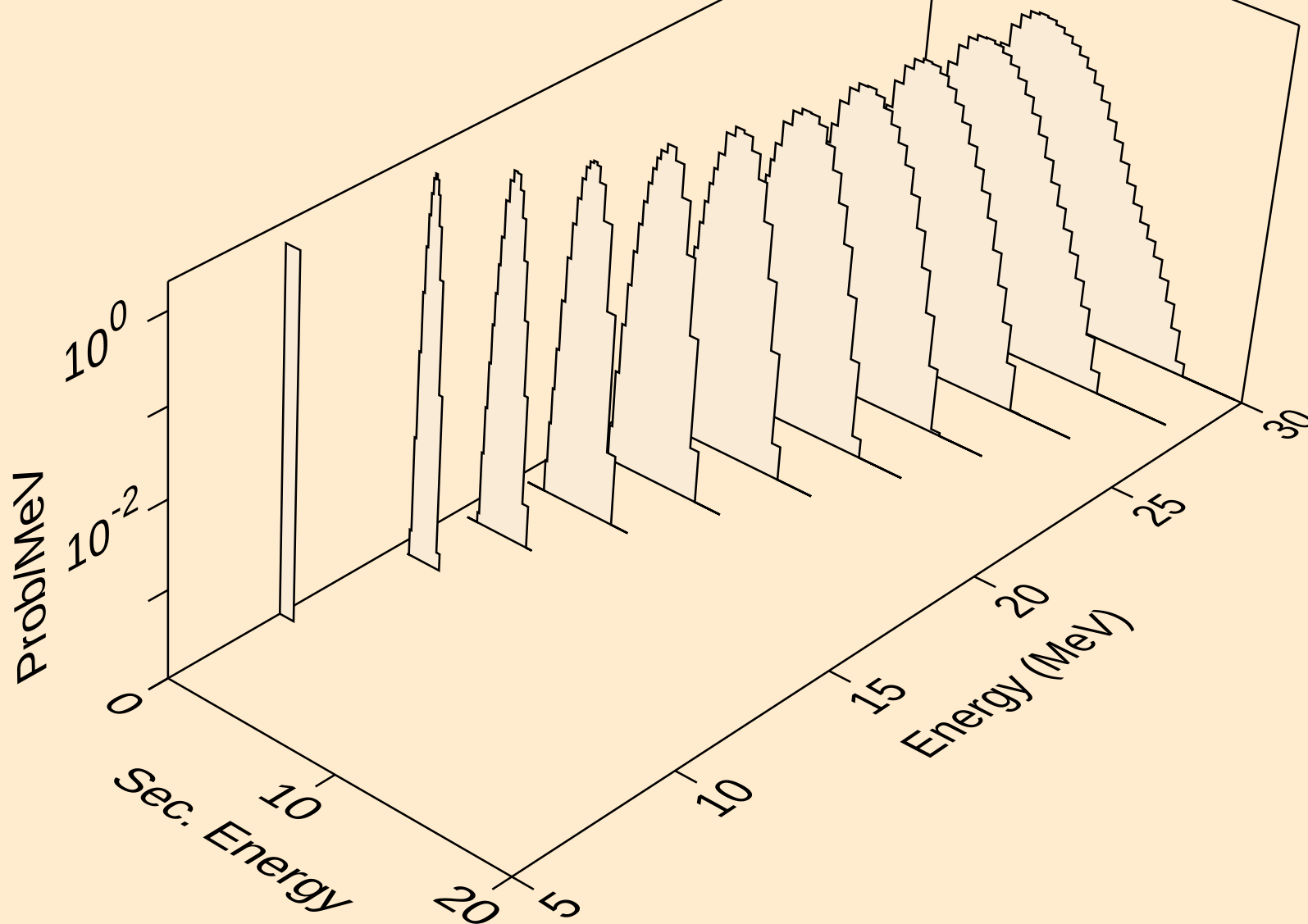
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protons from (a,npa)



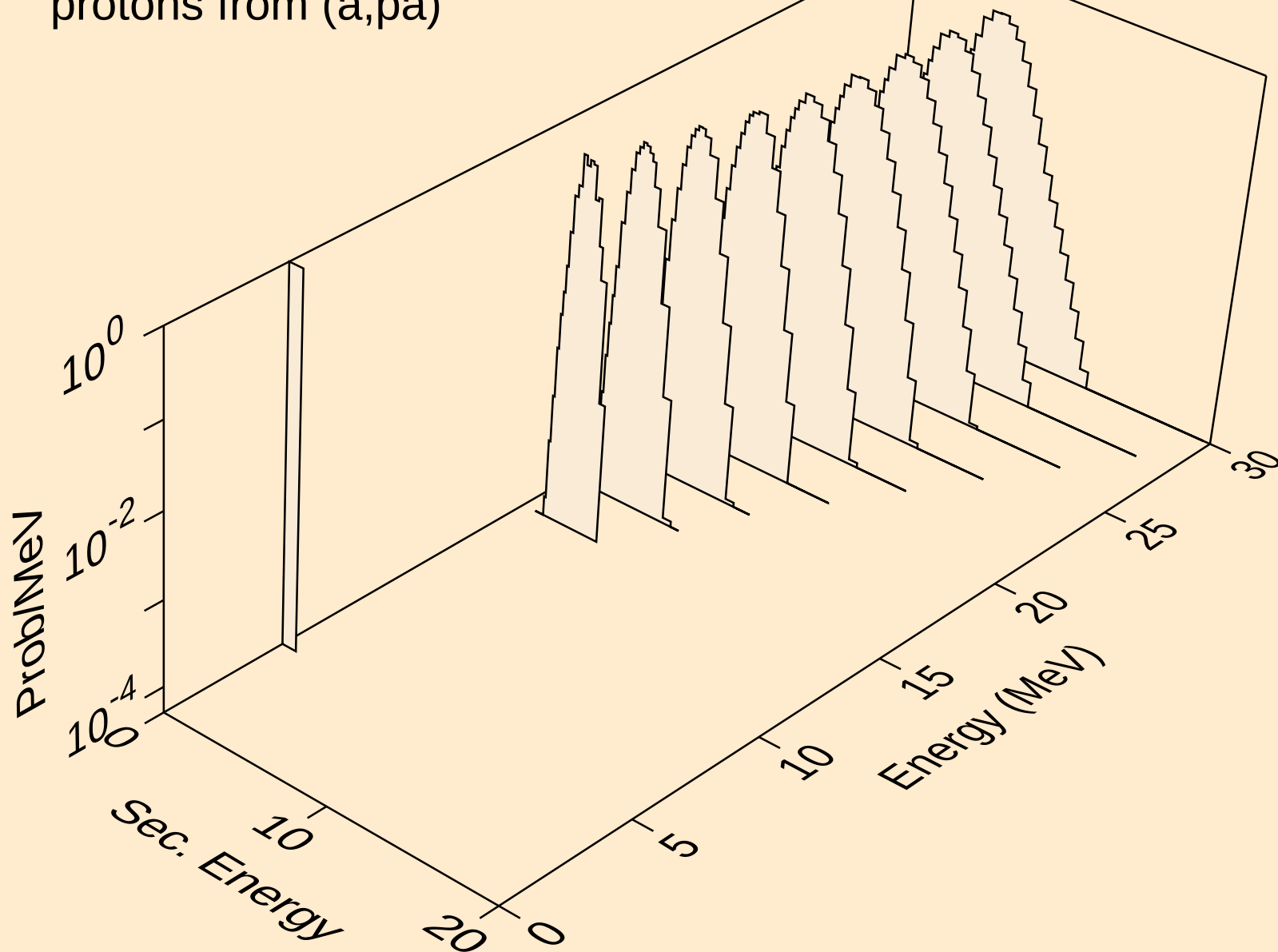
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protons from (a,p)



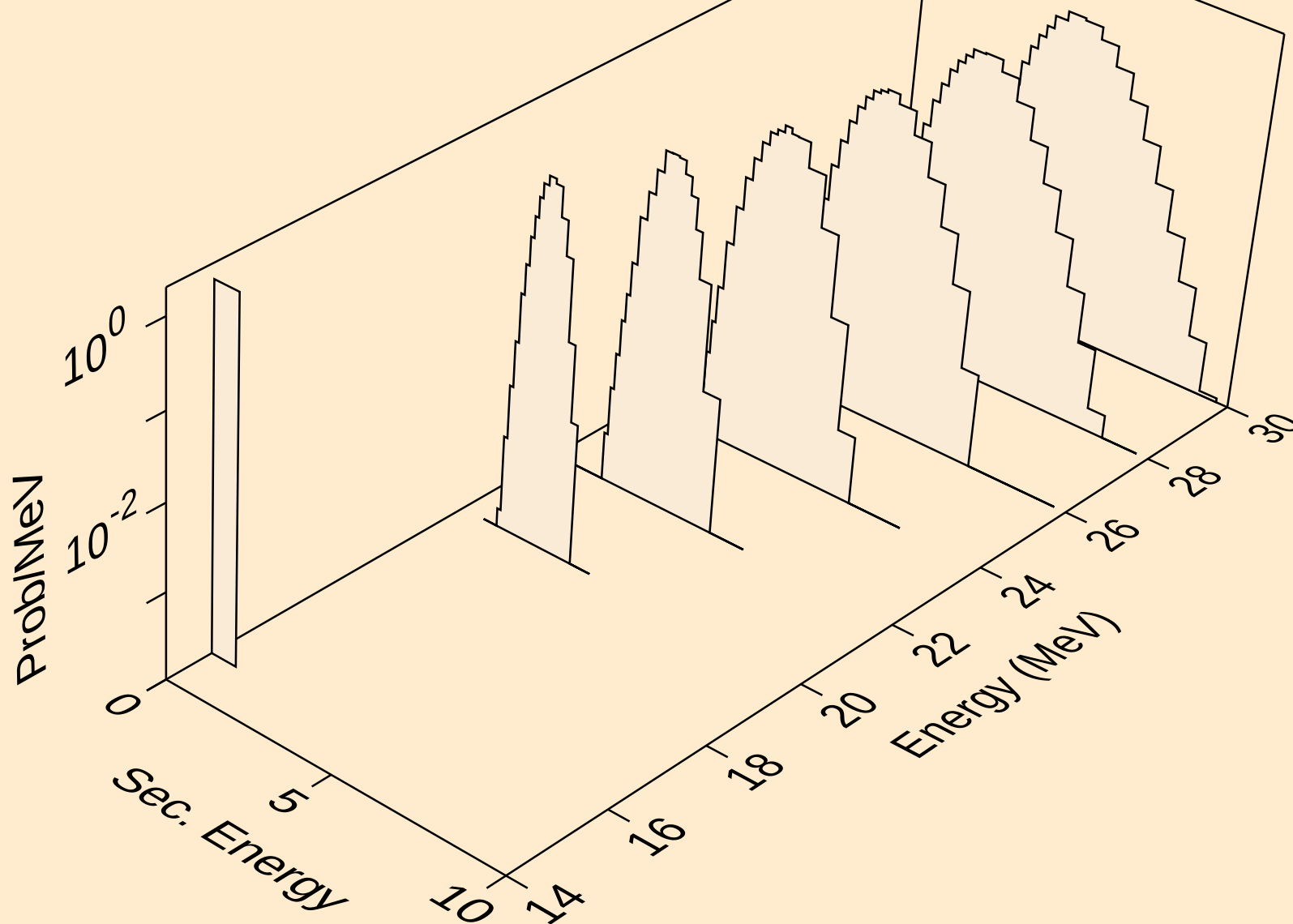
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protons from (a,2p)



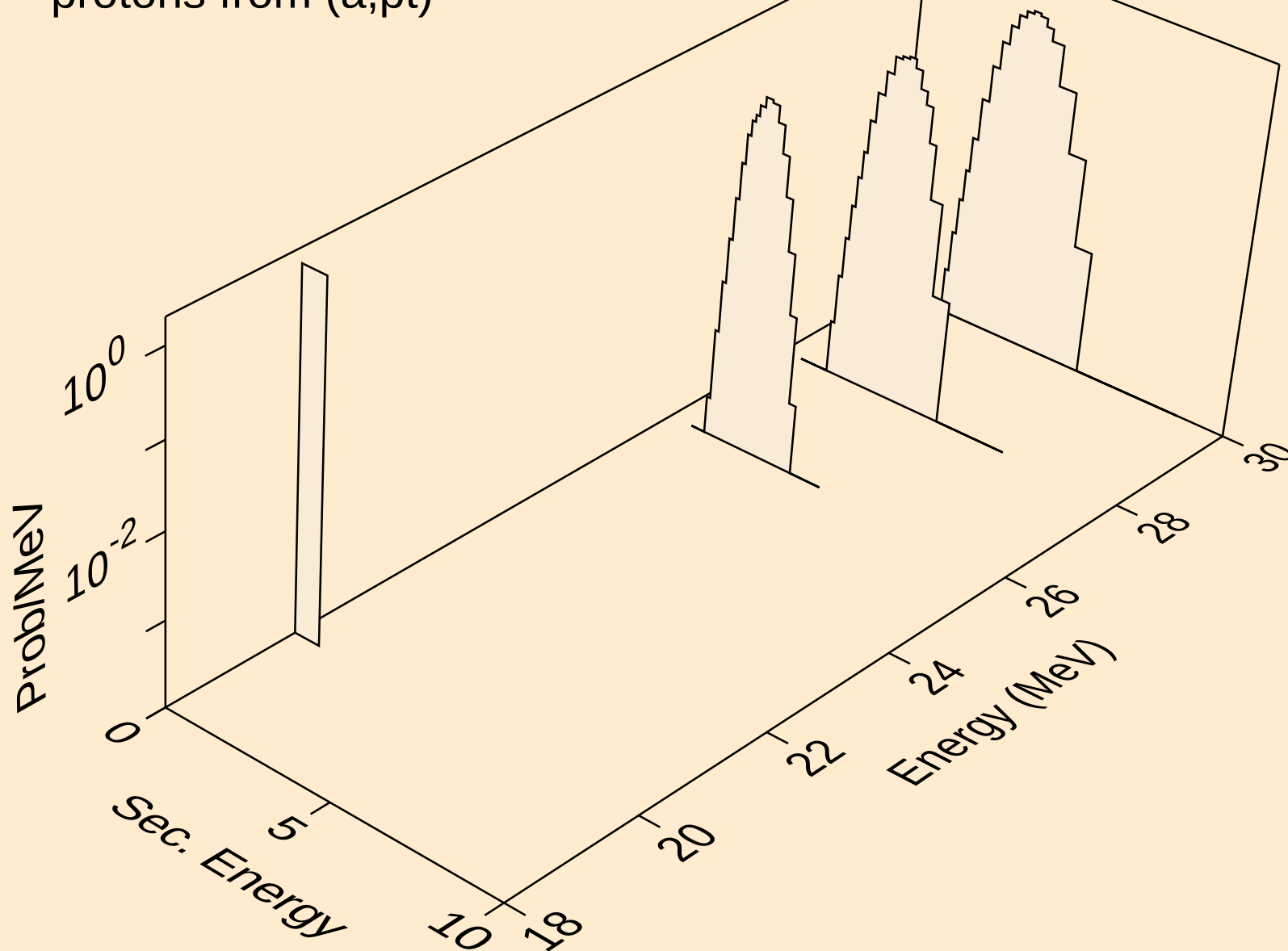
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protons from (a,pa)



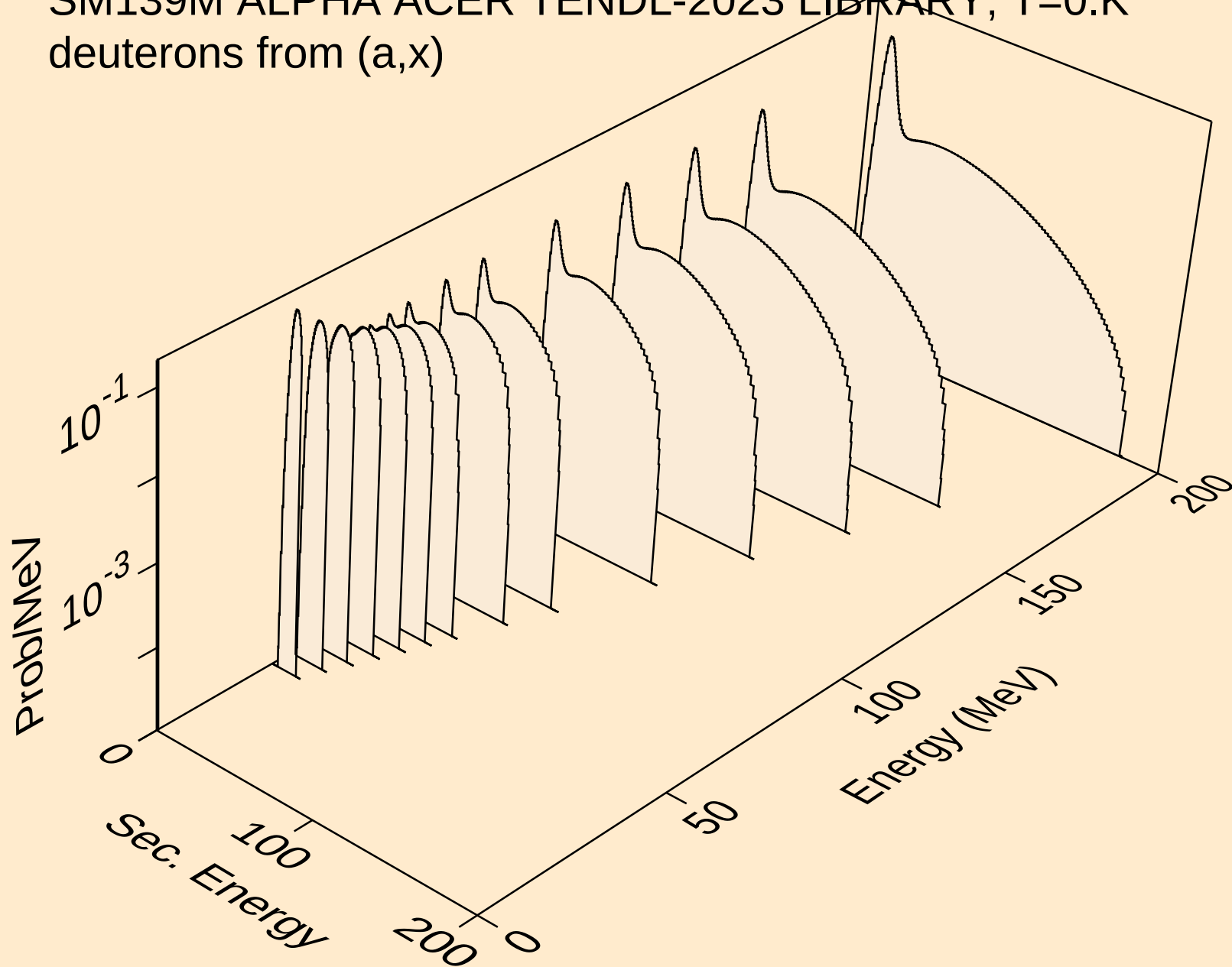
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protons from (a,pd)



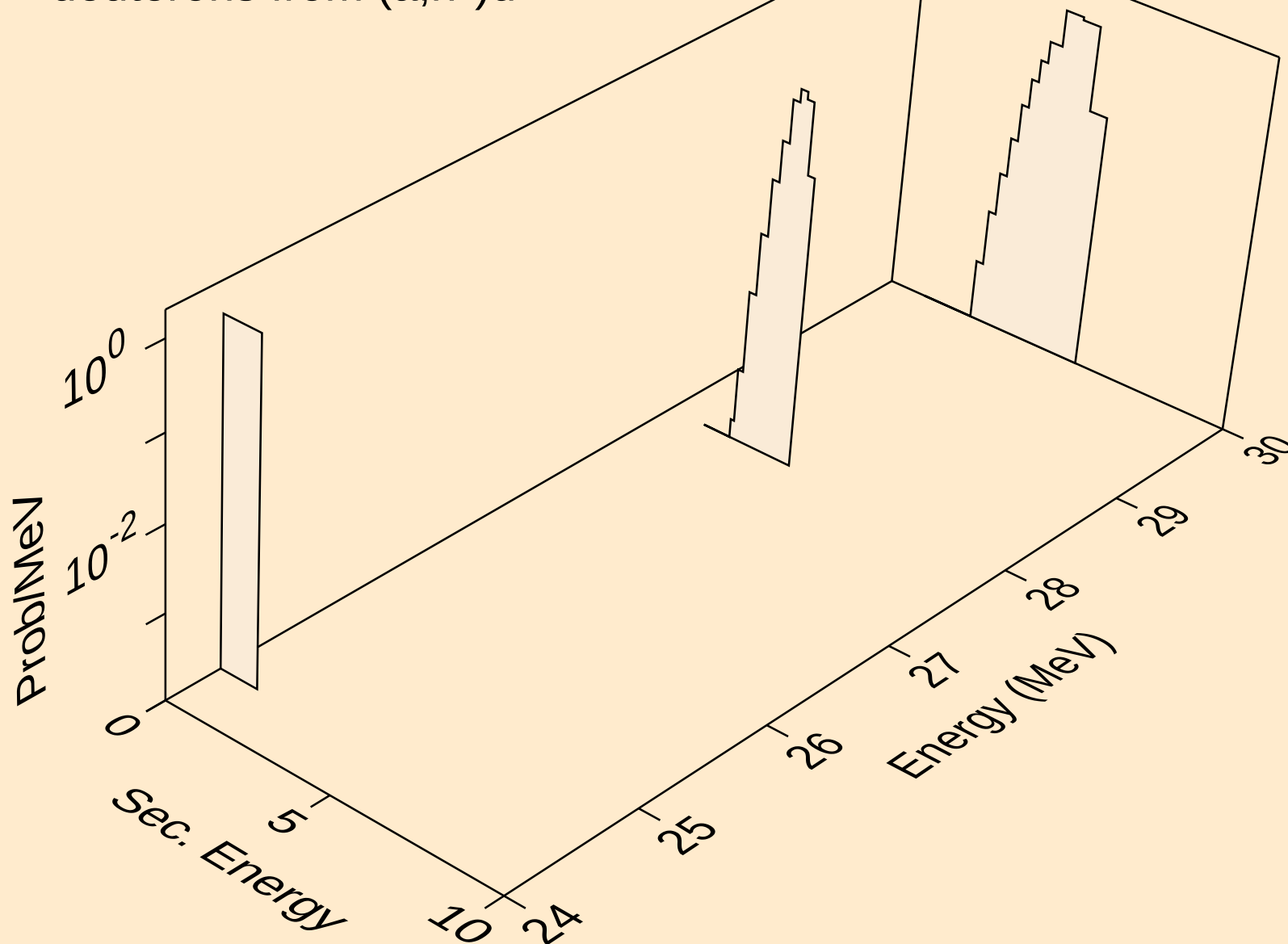
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protons from (a,pt)



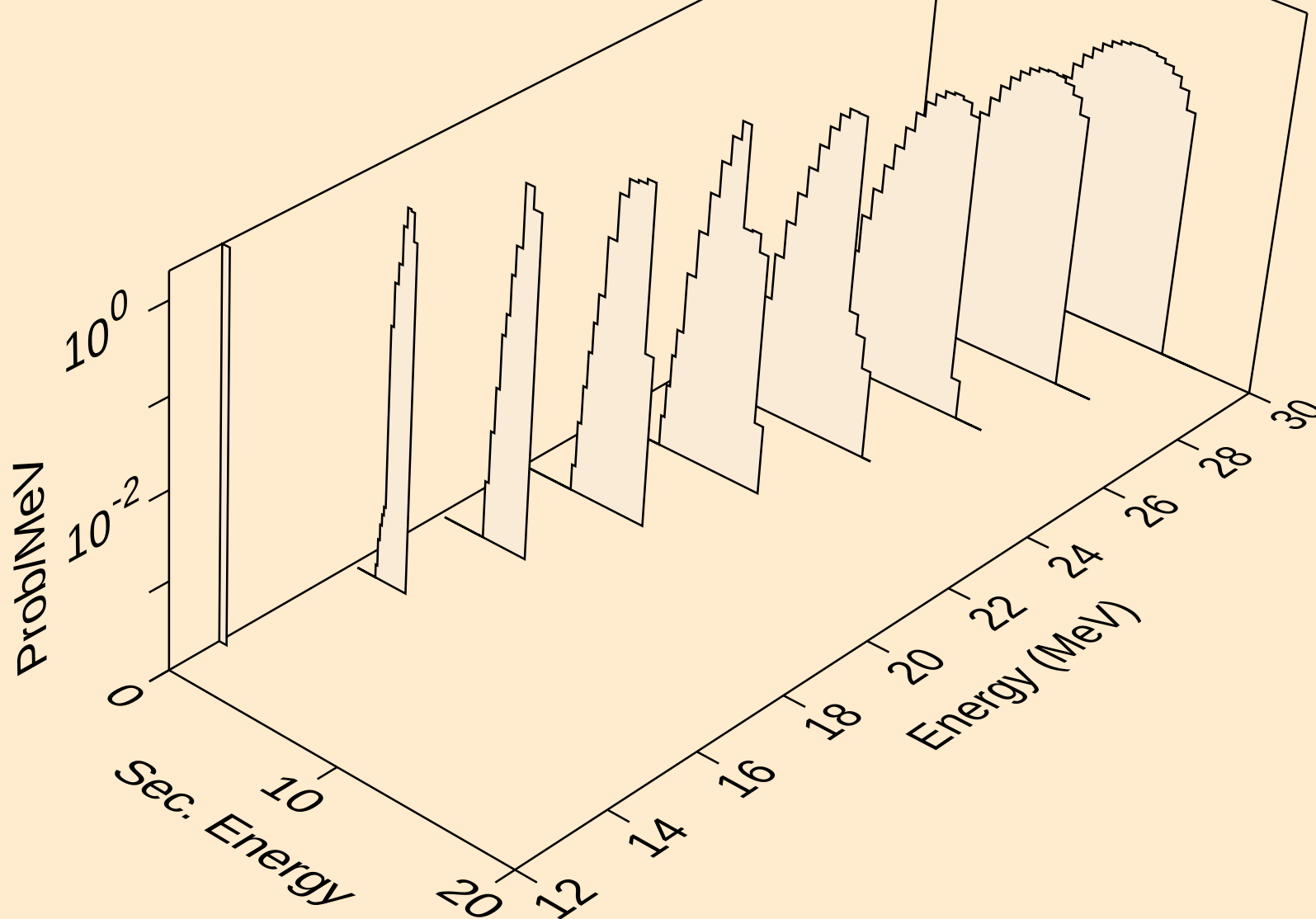
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,x)



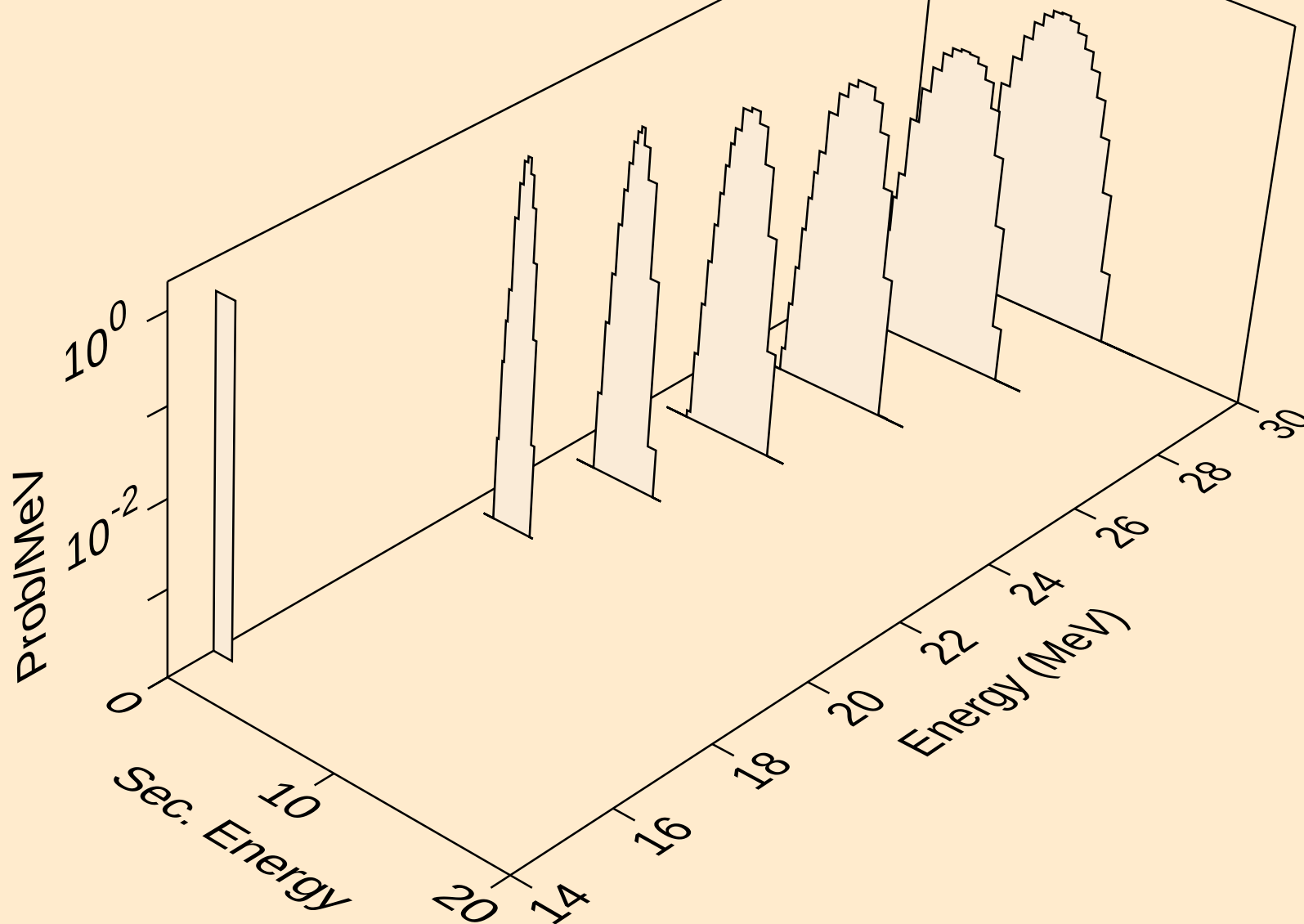
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,n*)d



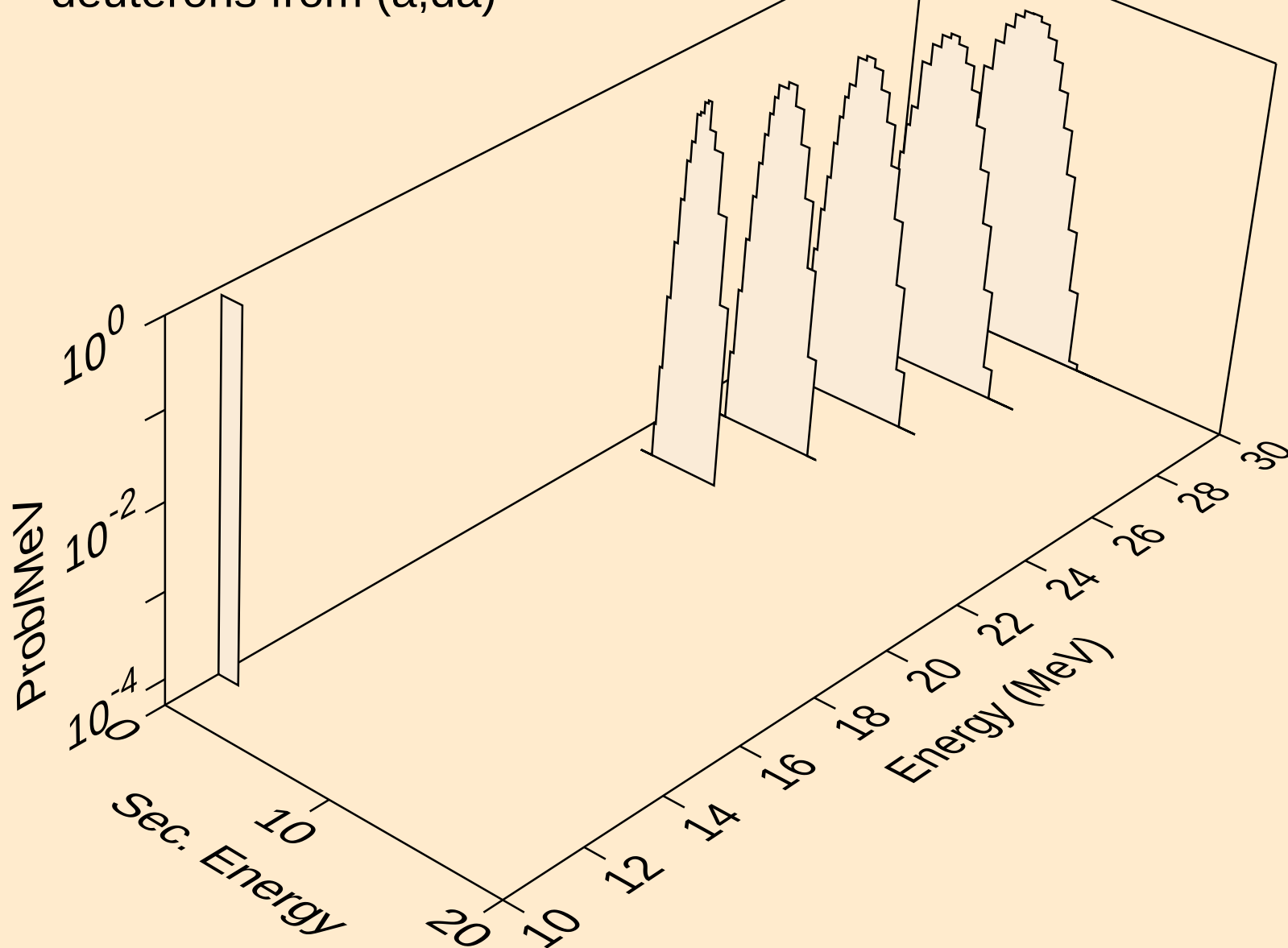
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)



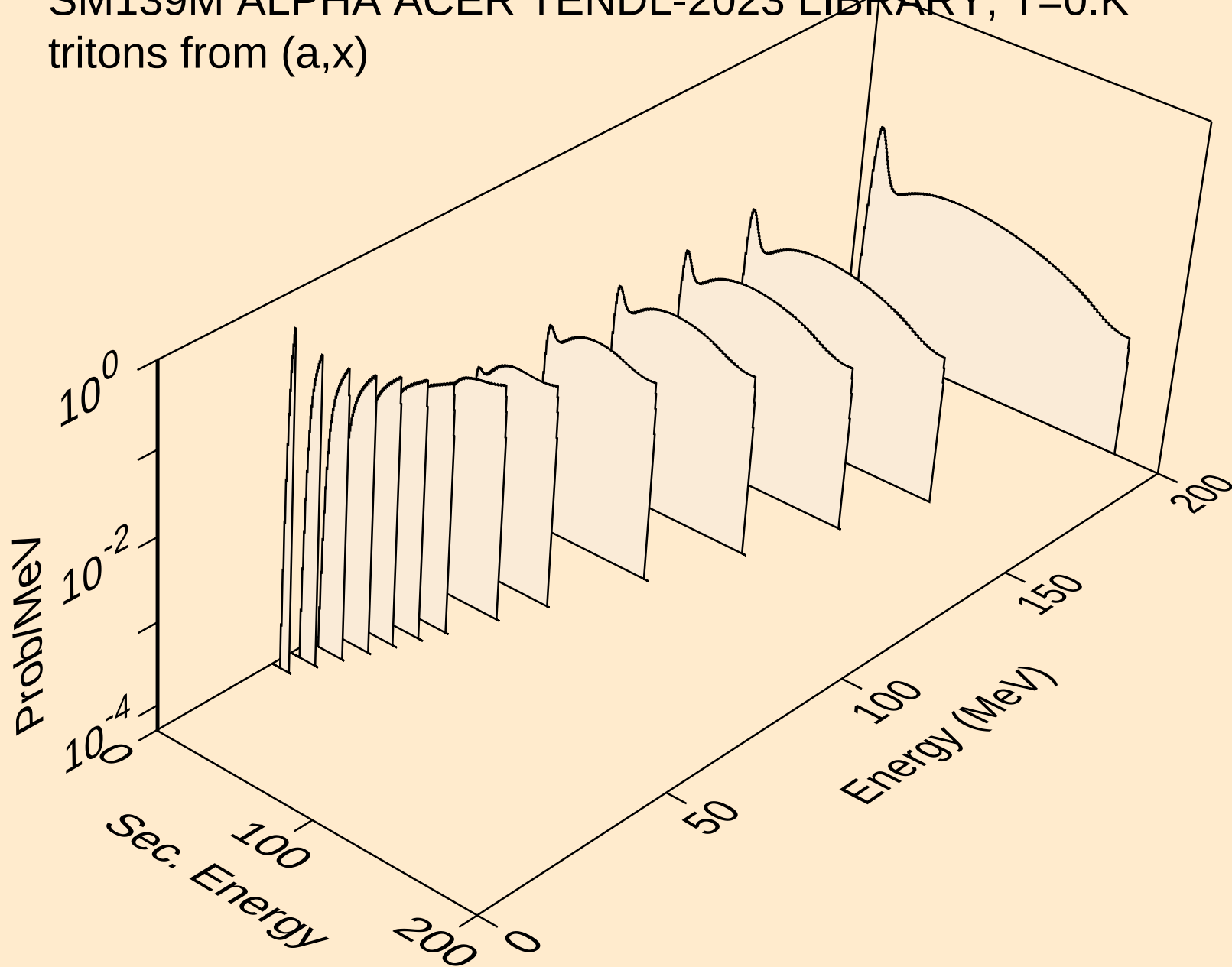
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,pd)



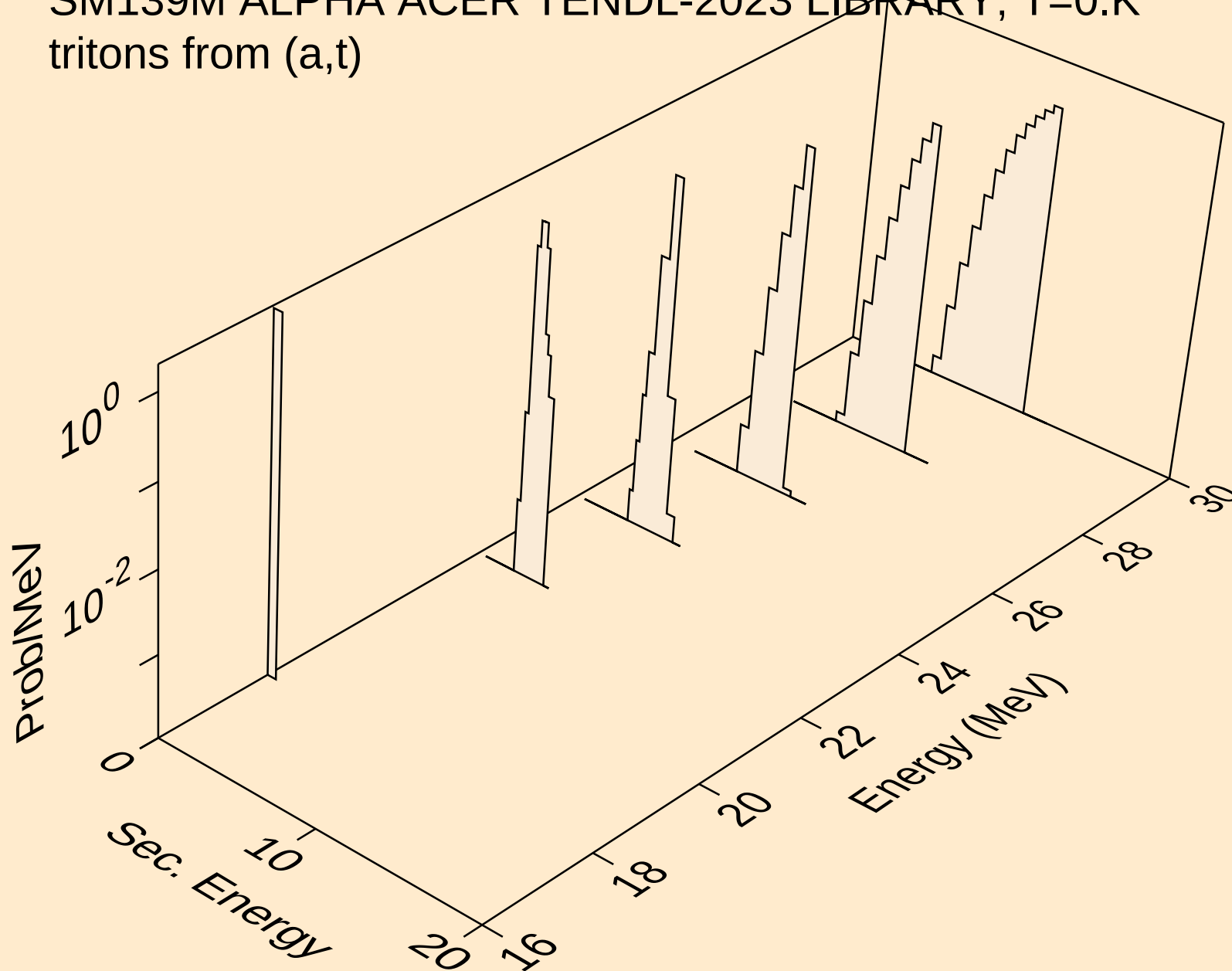
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,da)



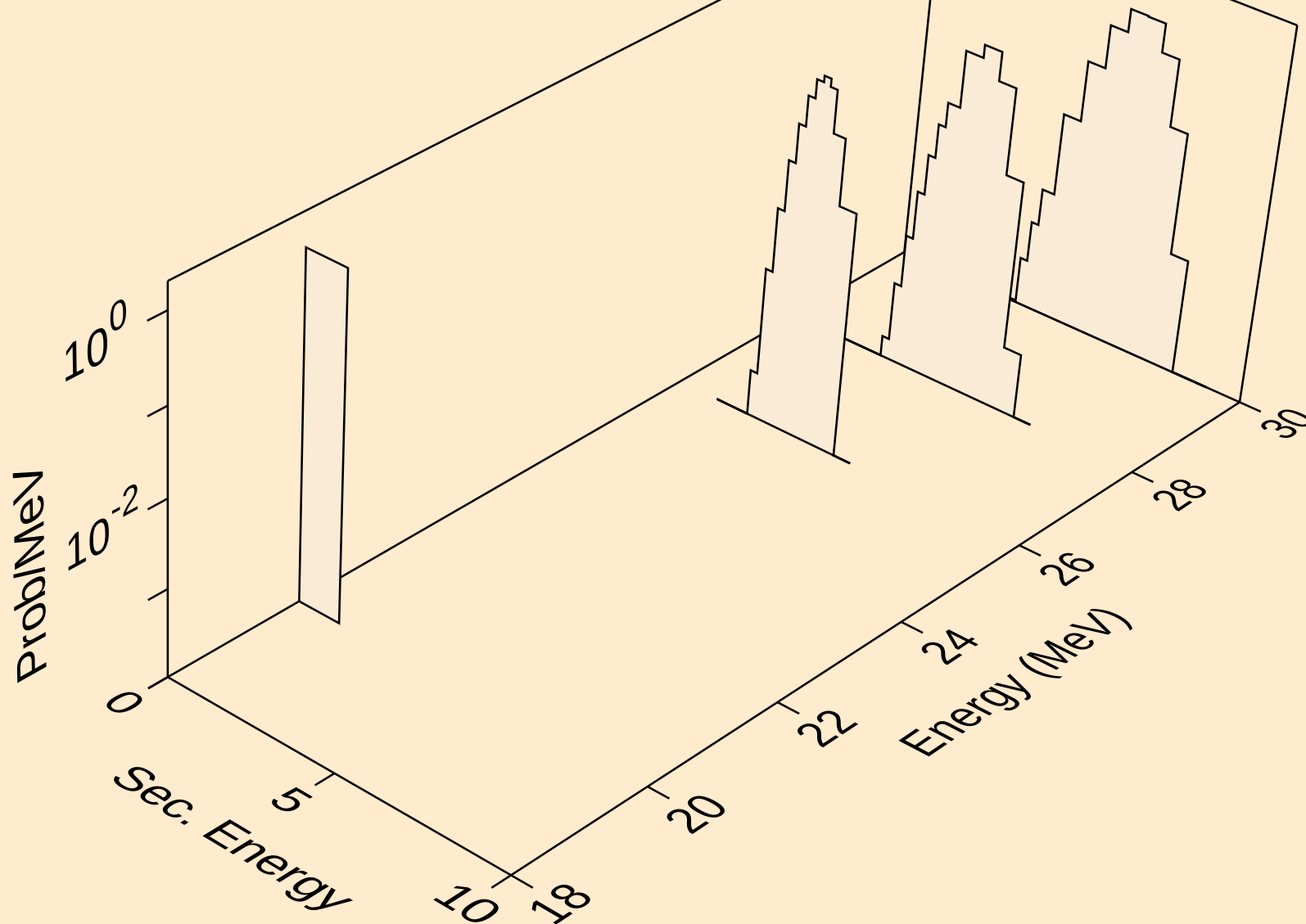
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)



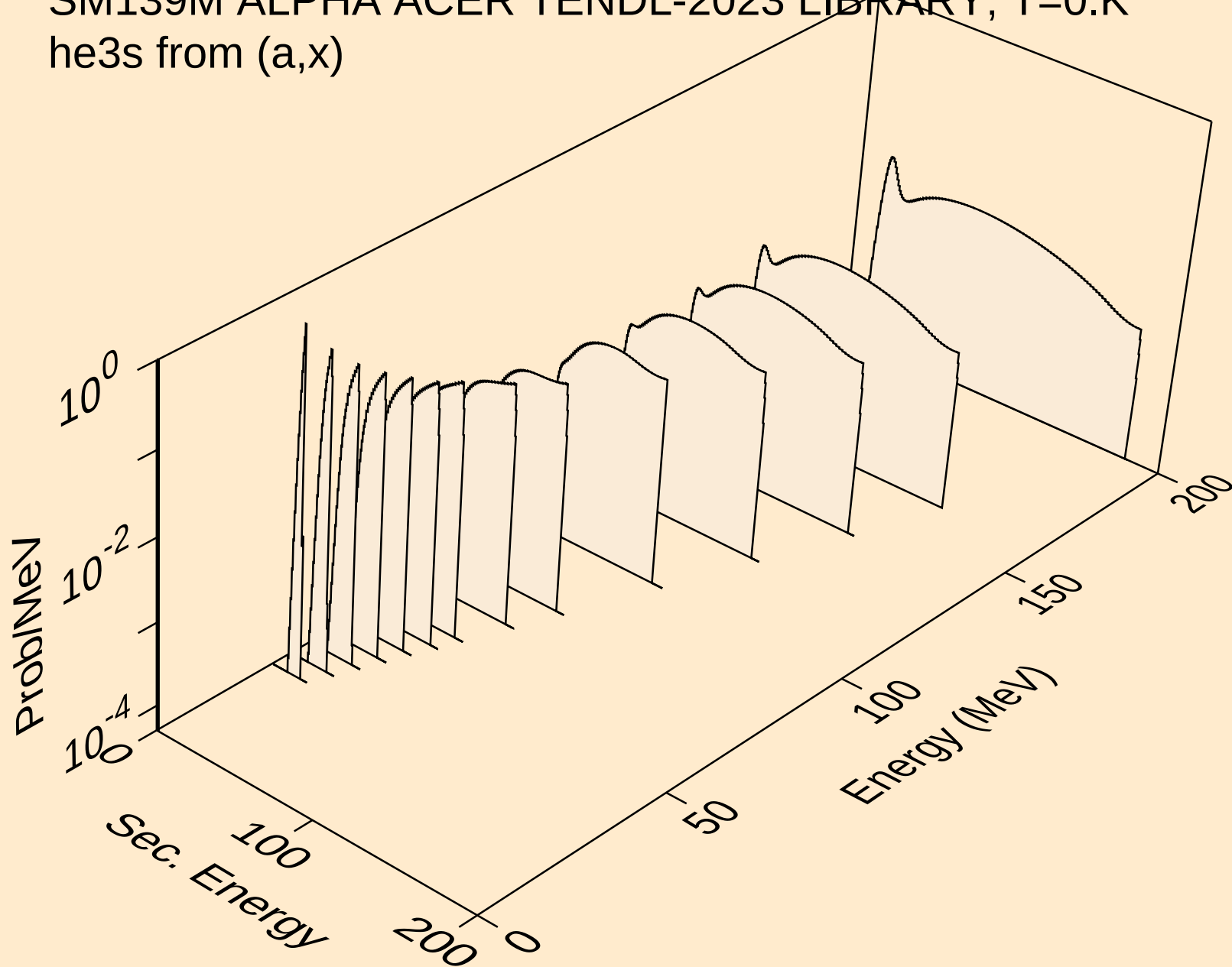
SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,pt)



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)



SM139M ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,he3)

