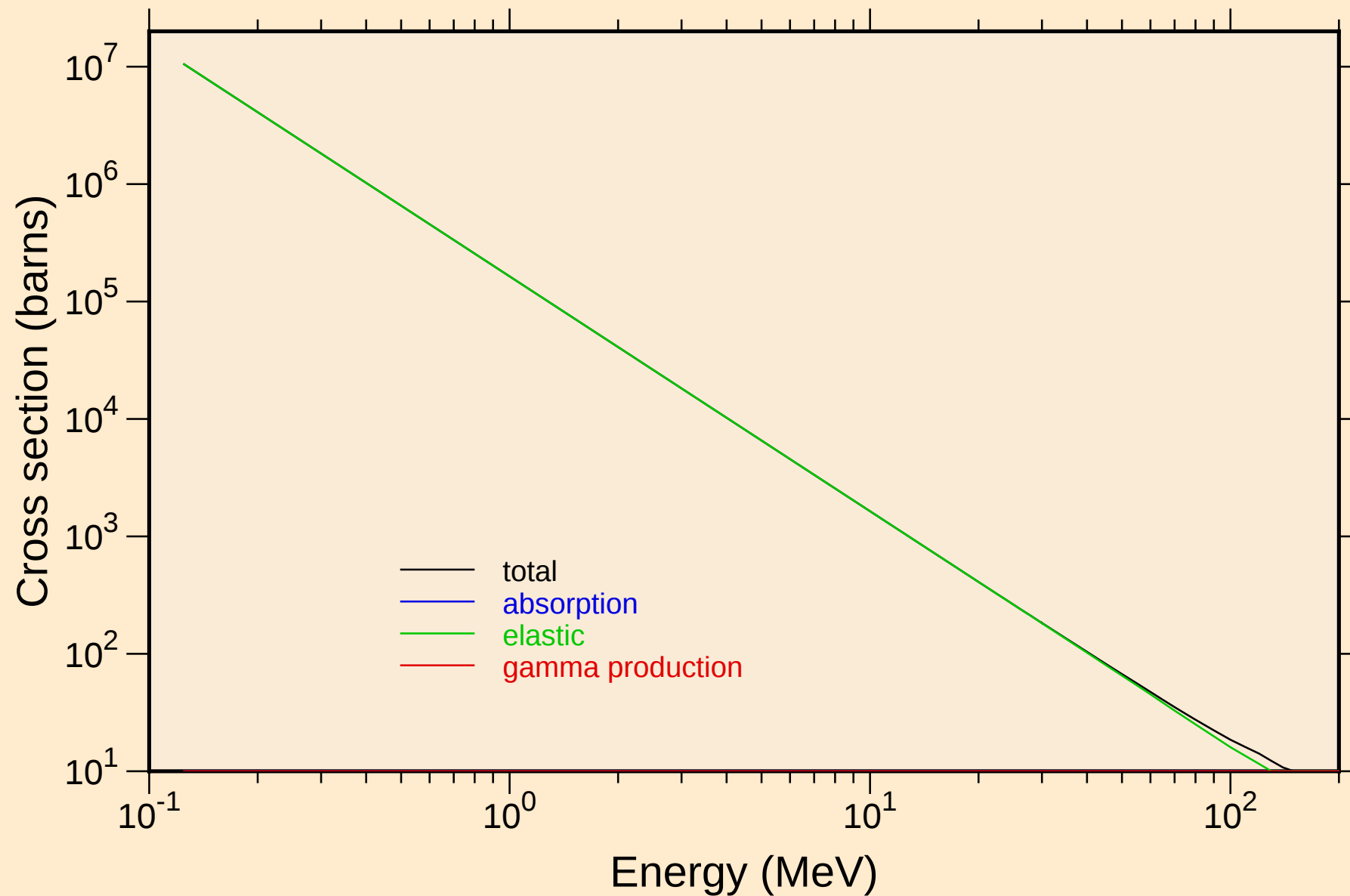


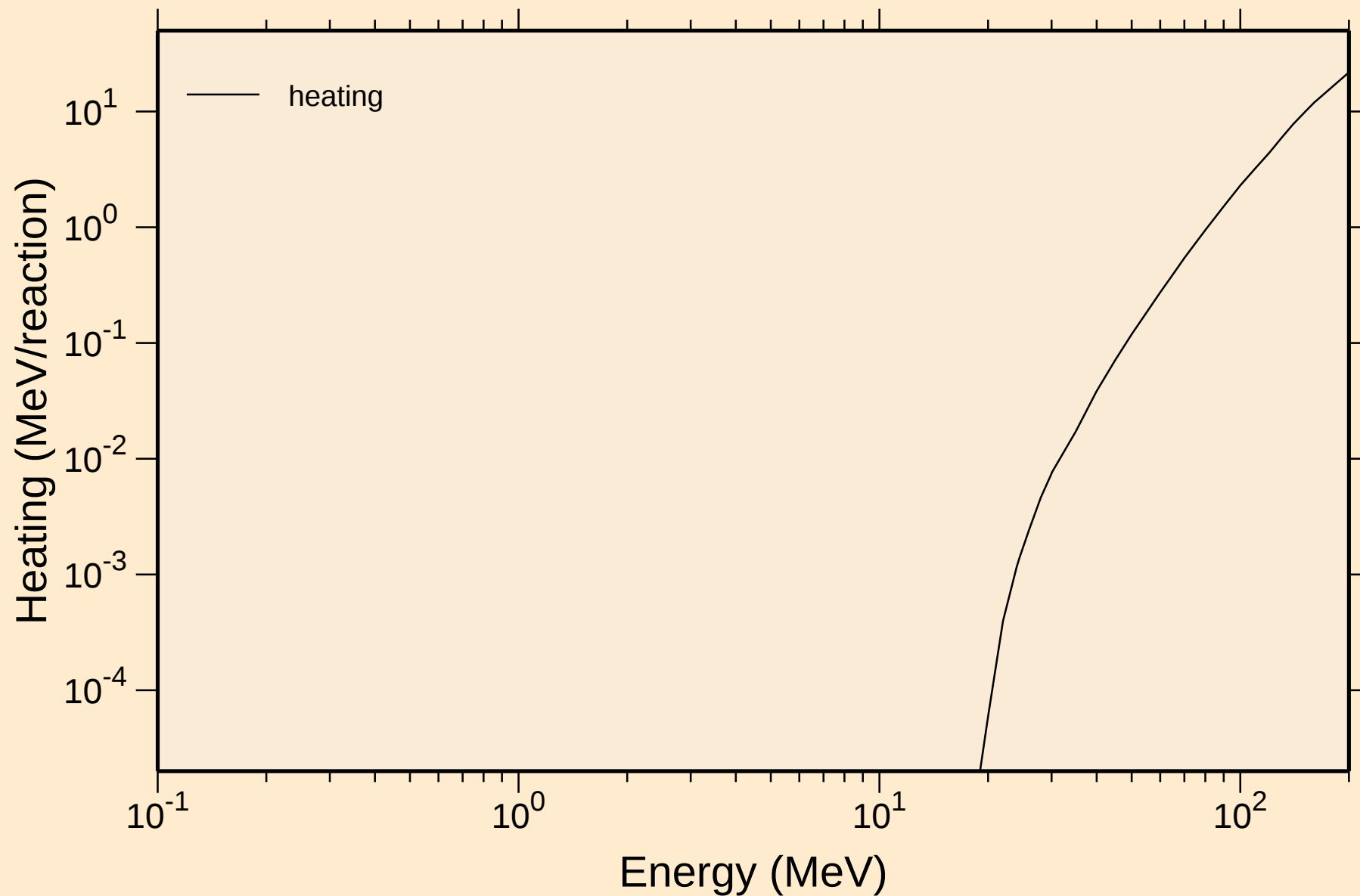
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



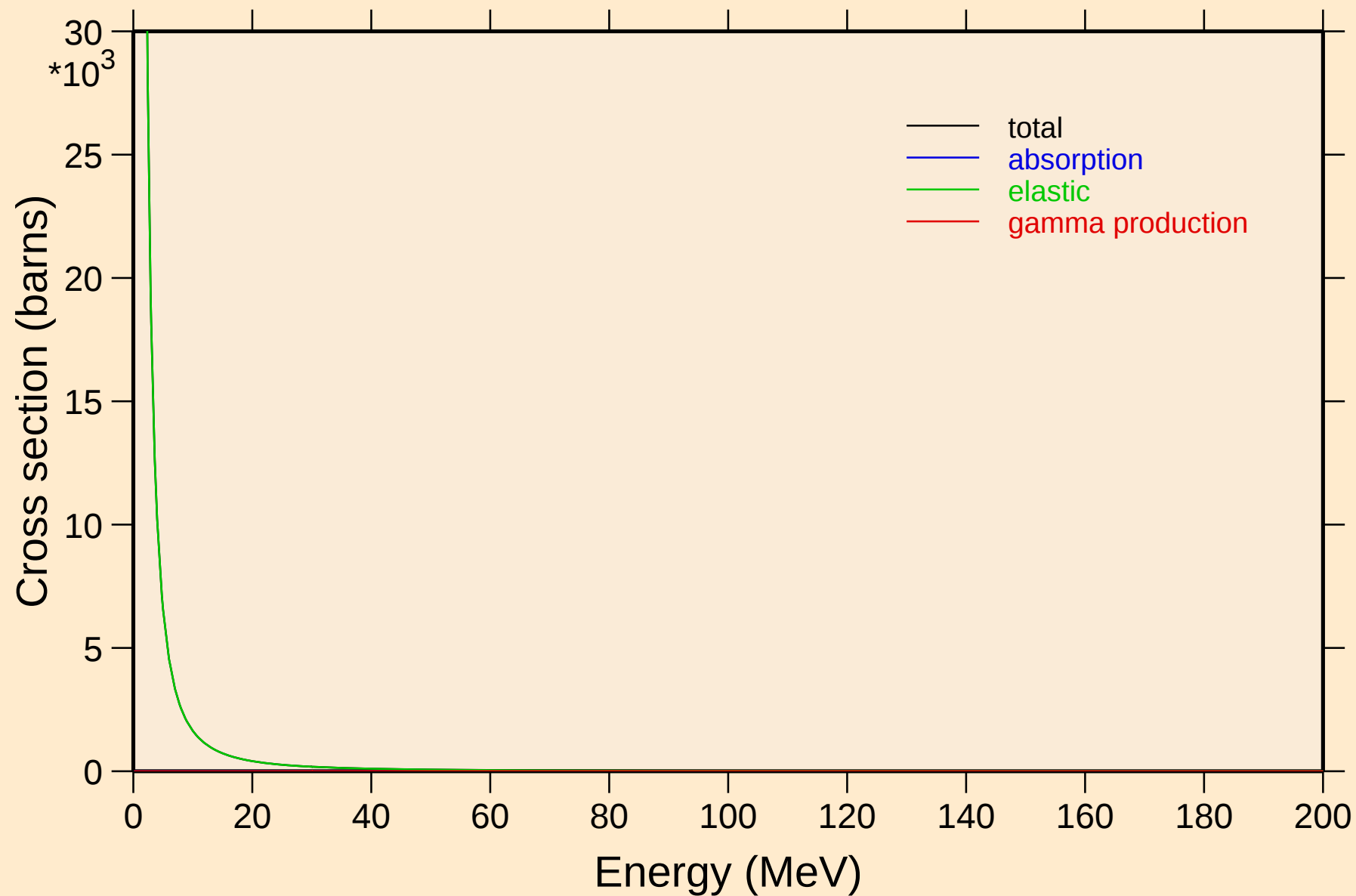
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



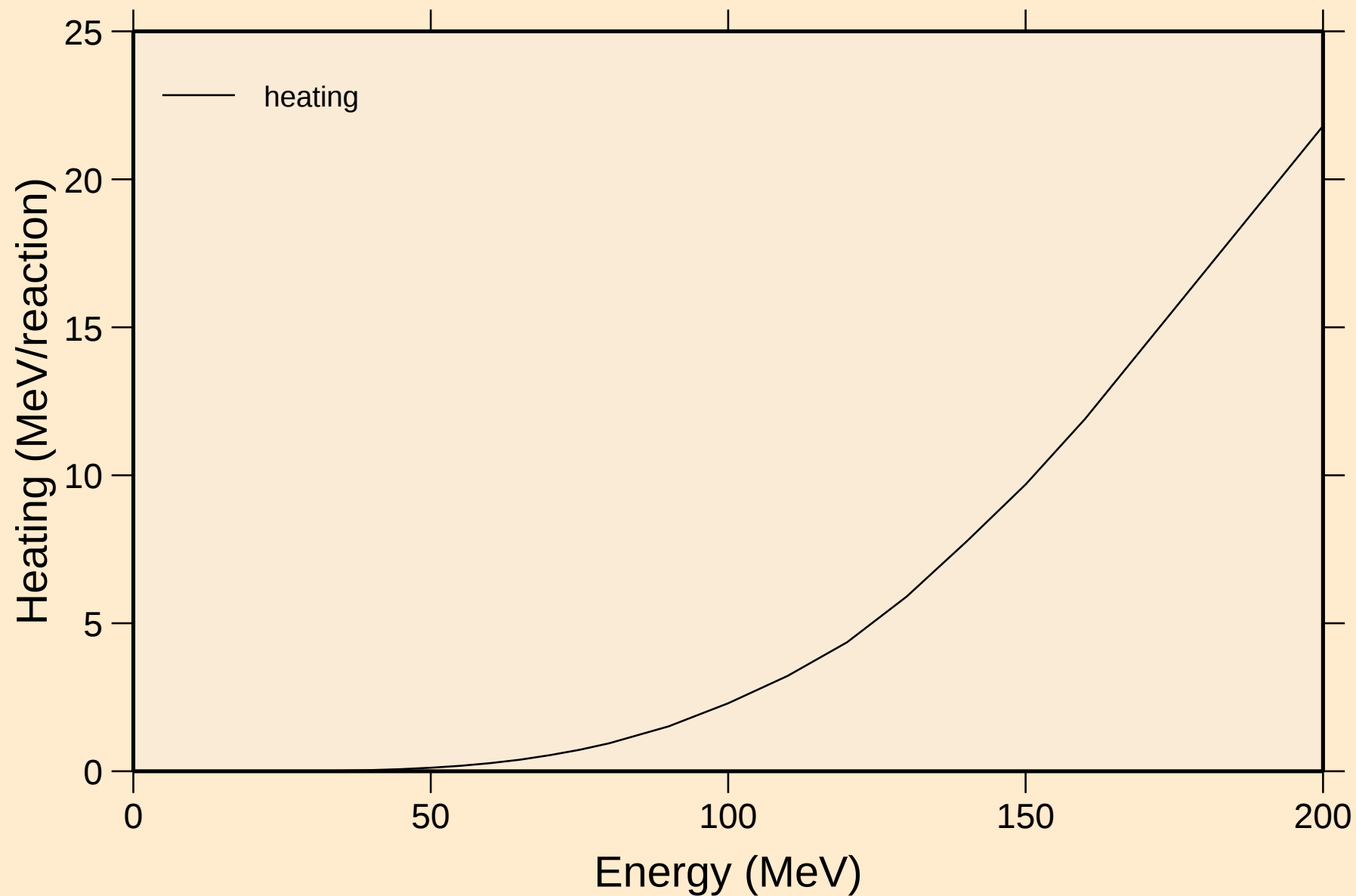
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



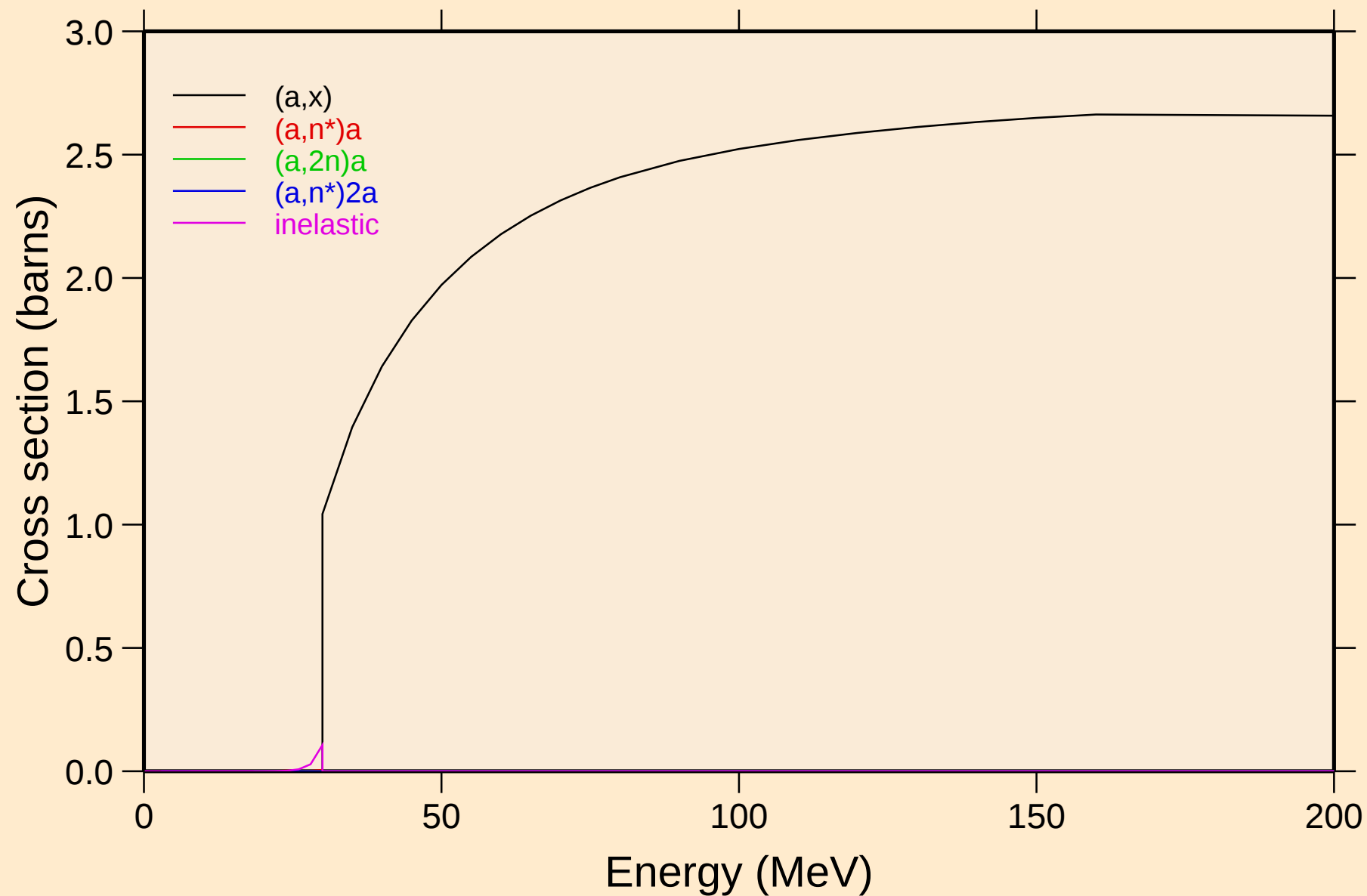
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



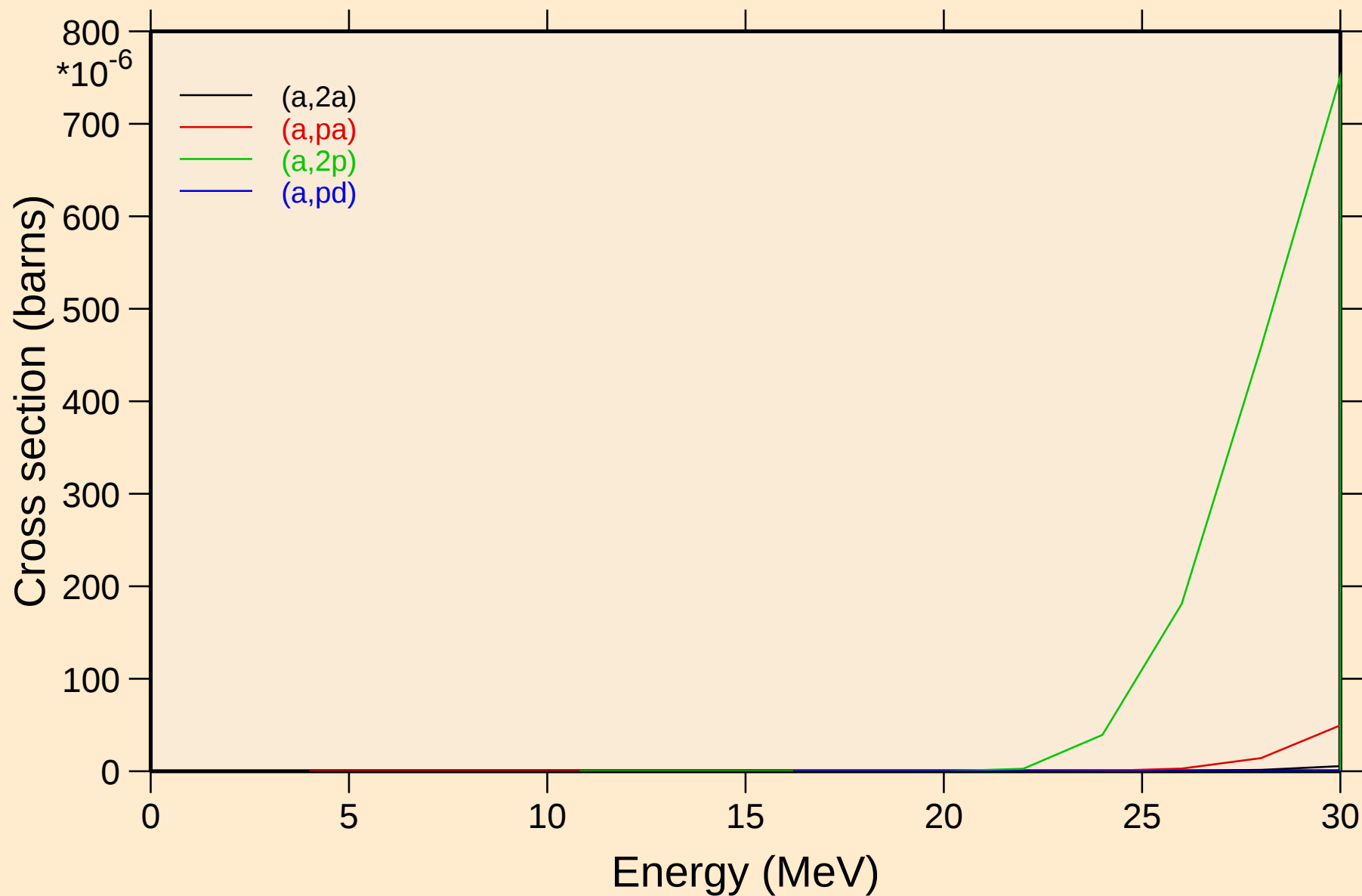
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Threshold reactions

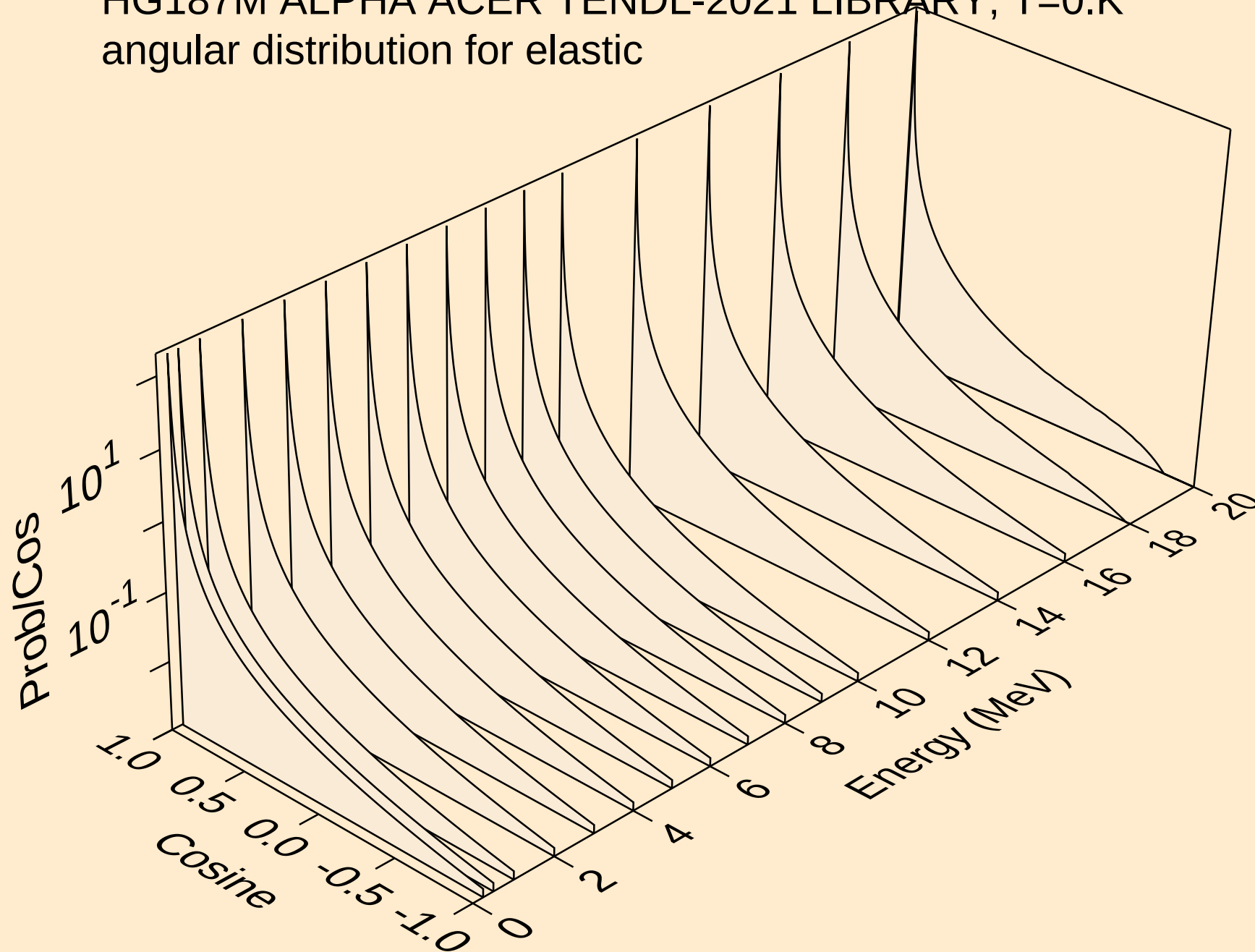


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

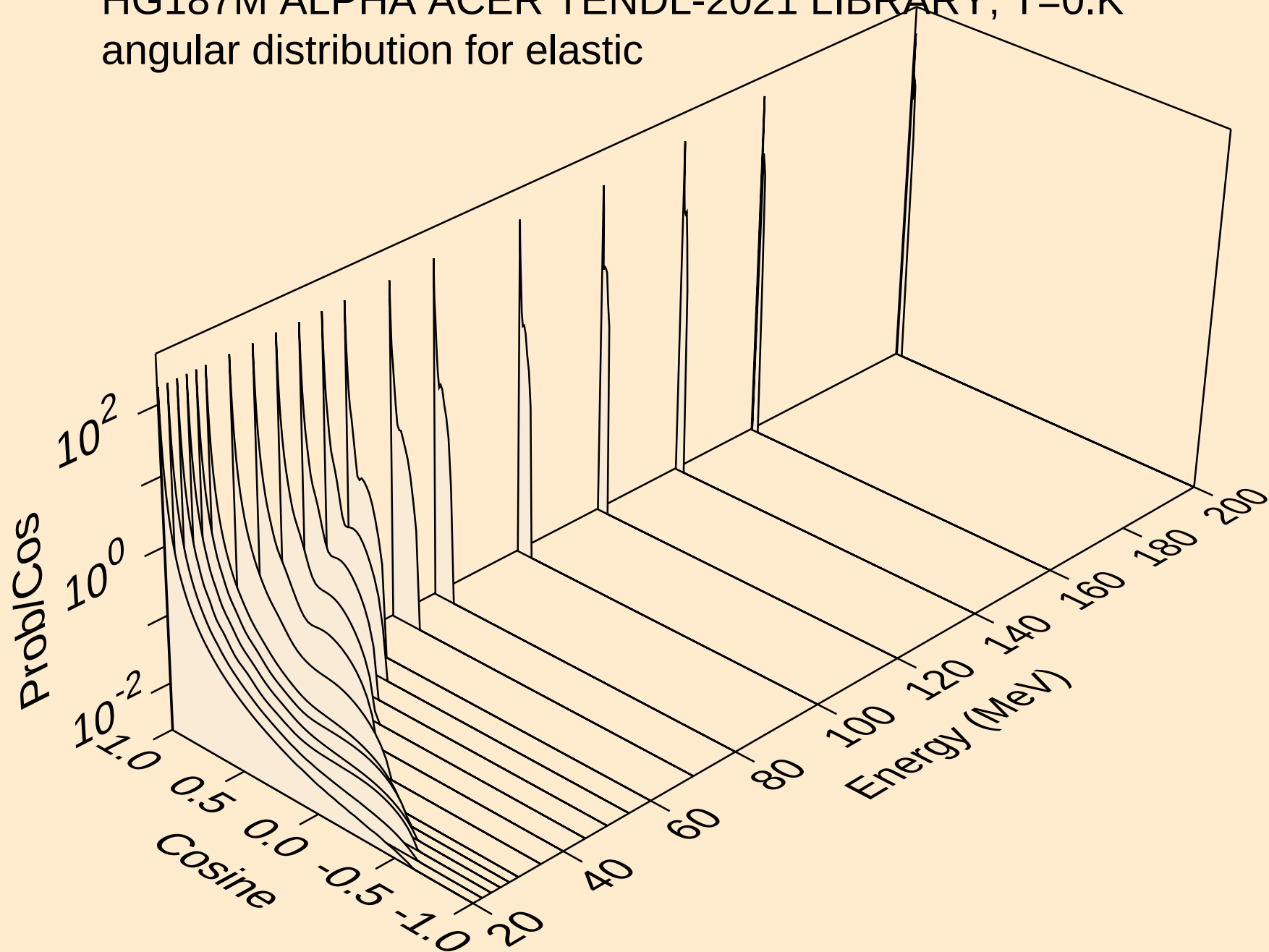
Threshold reactions



HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

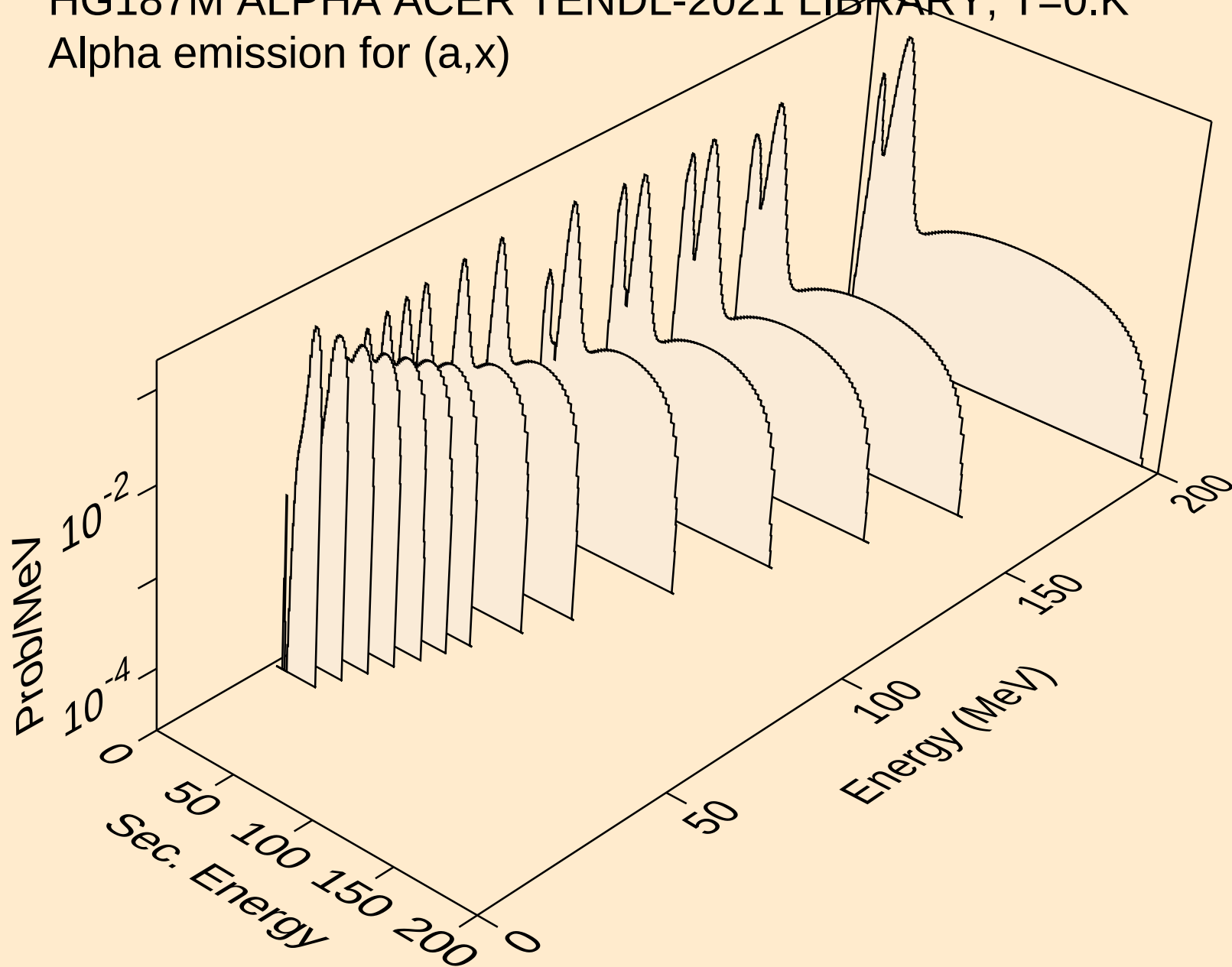


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



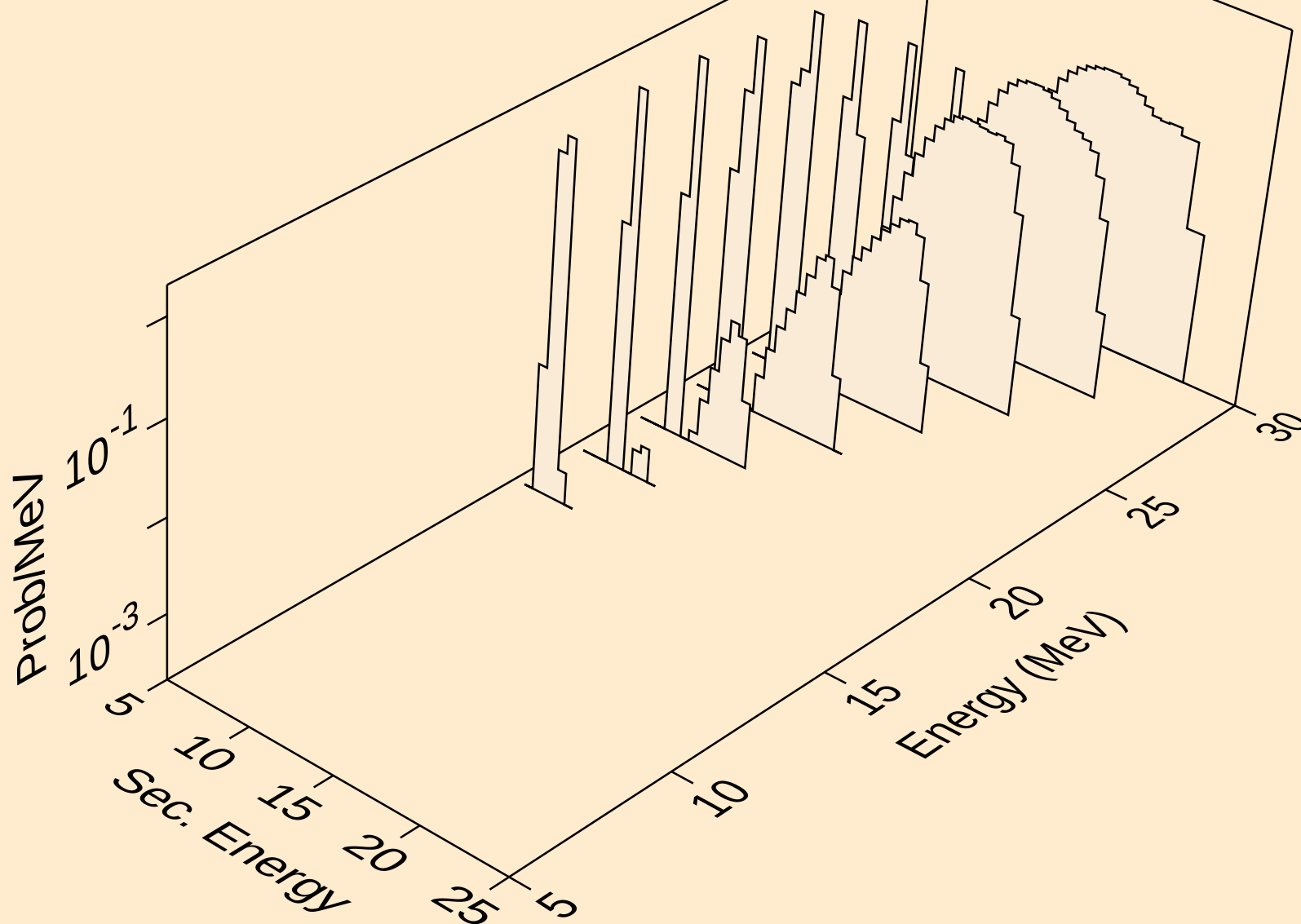
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)



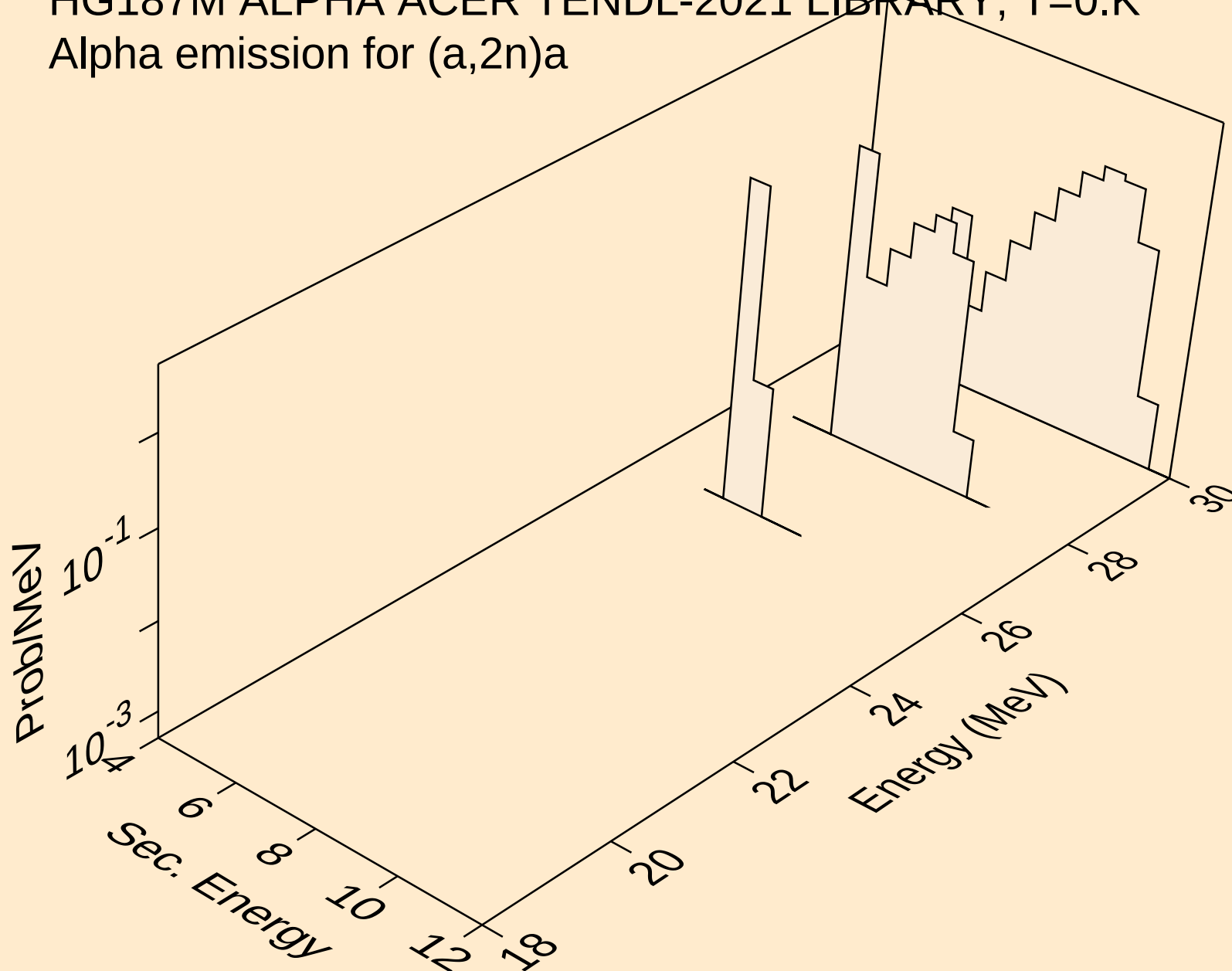
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,n*)a



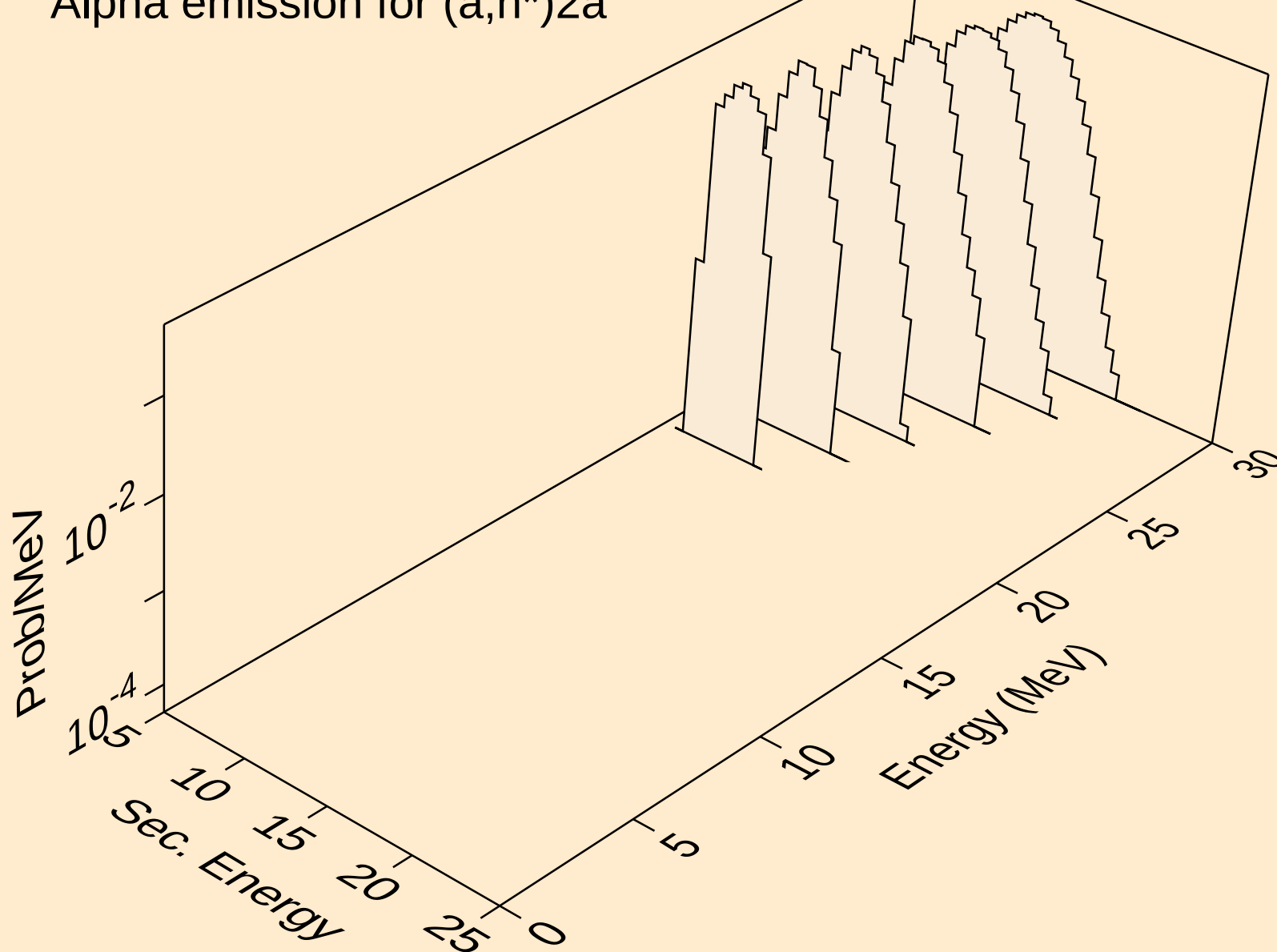
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,2n)a

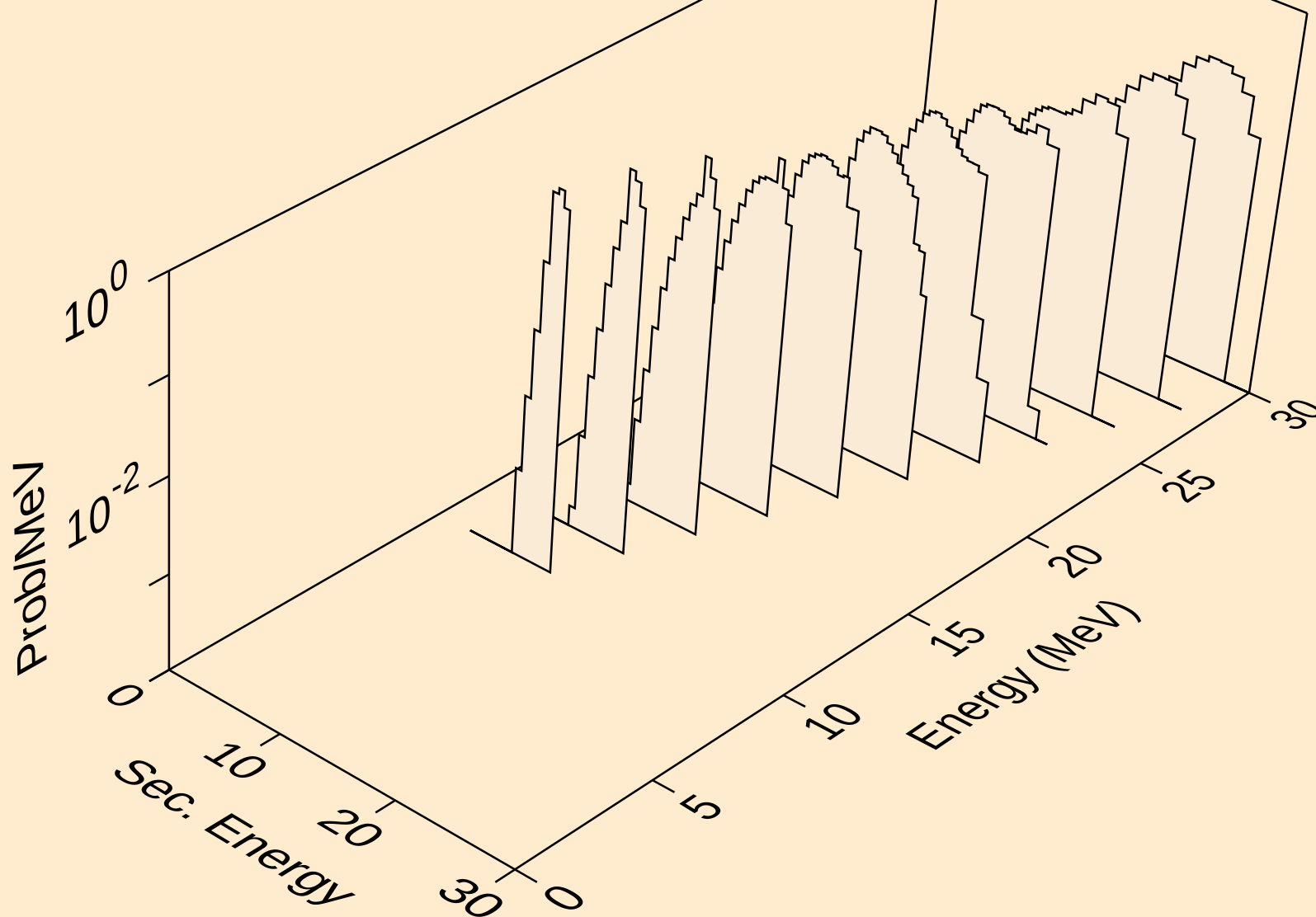


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

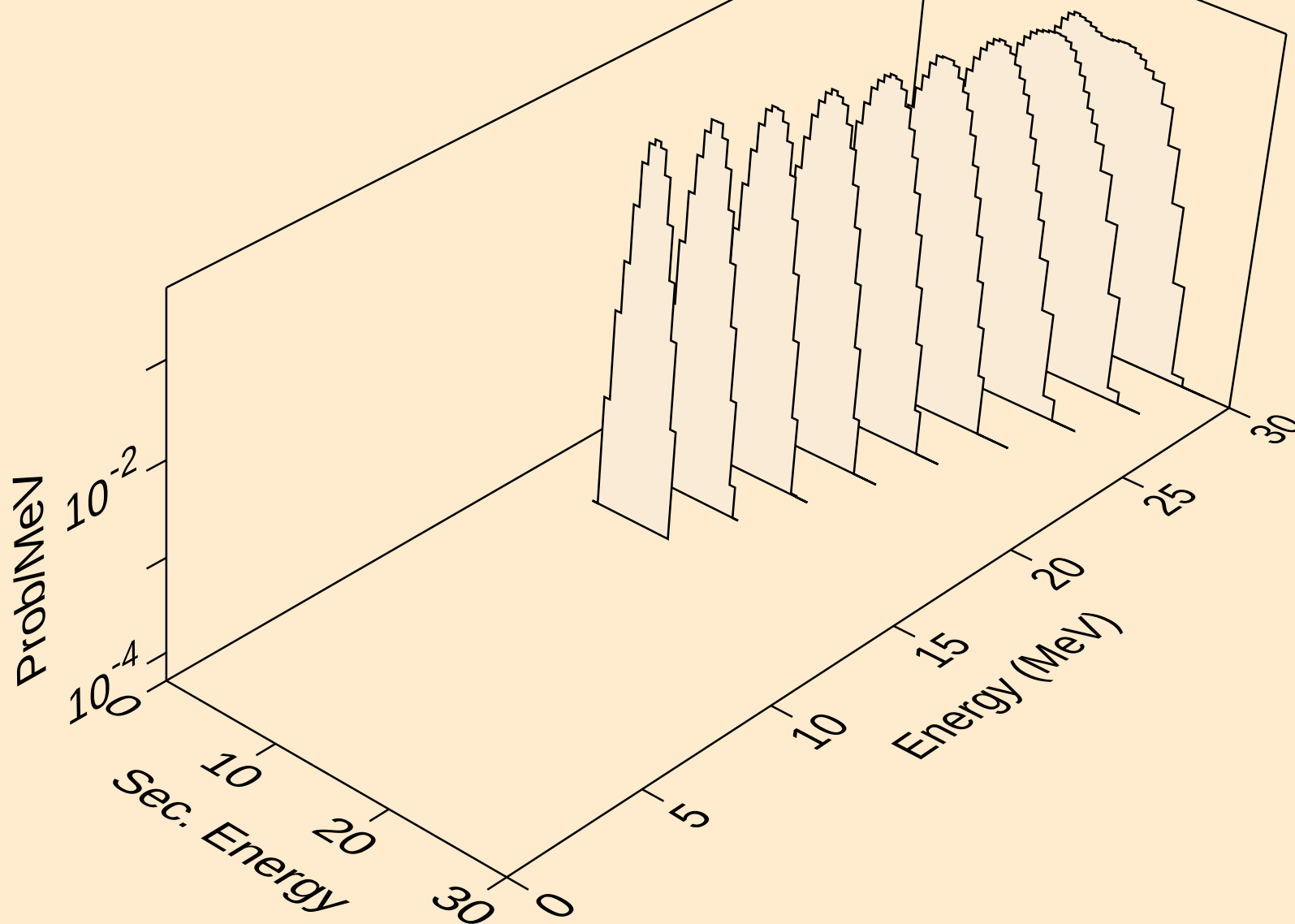
Alpha emission for (a,n*)2a



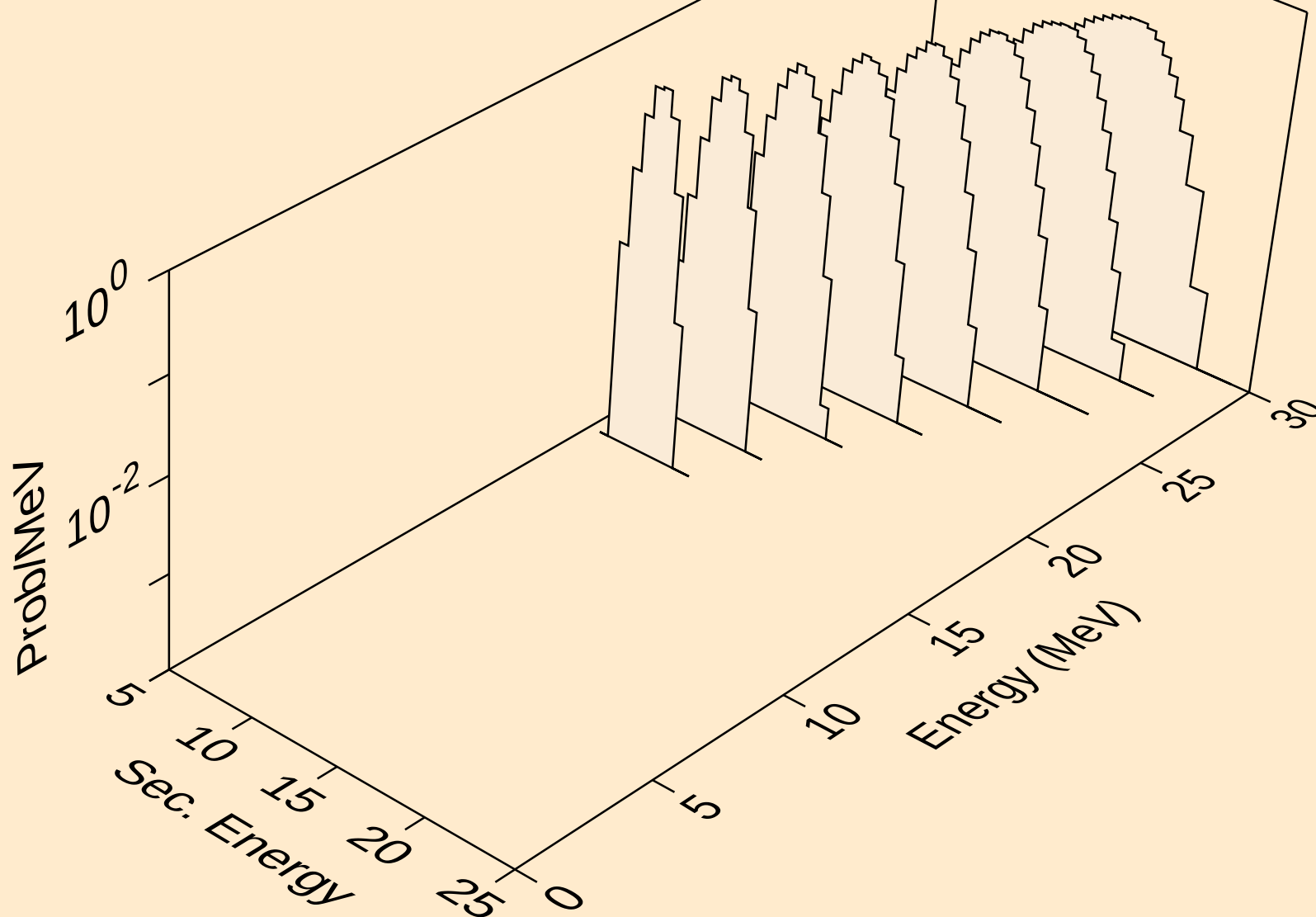
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for inelastic



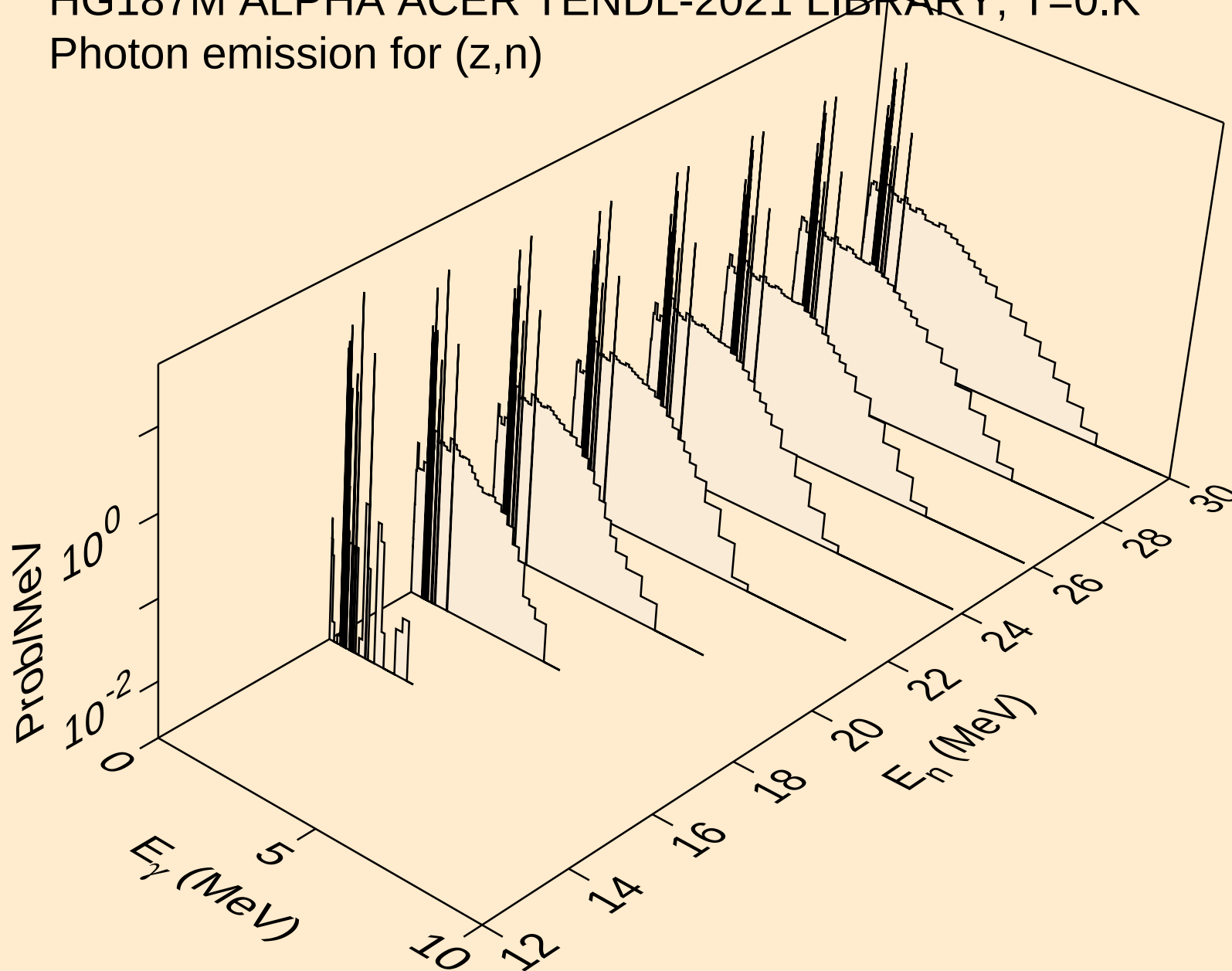
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2a)



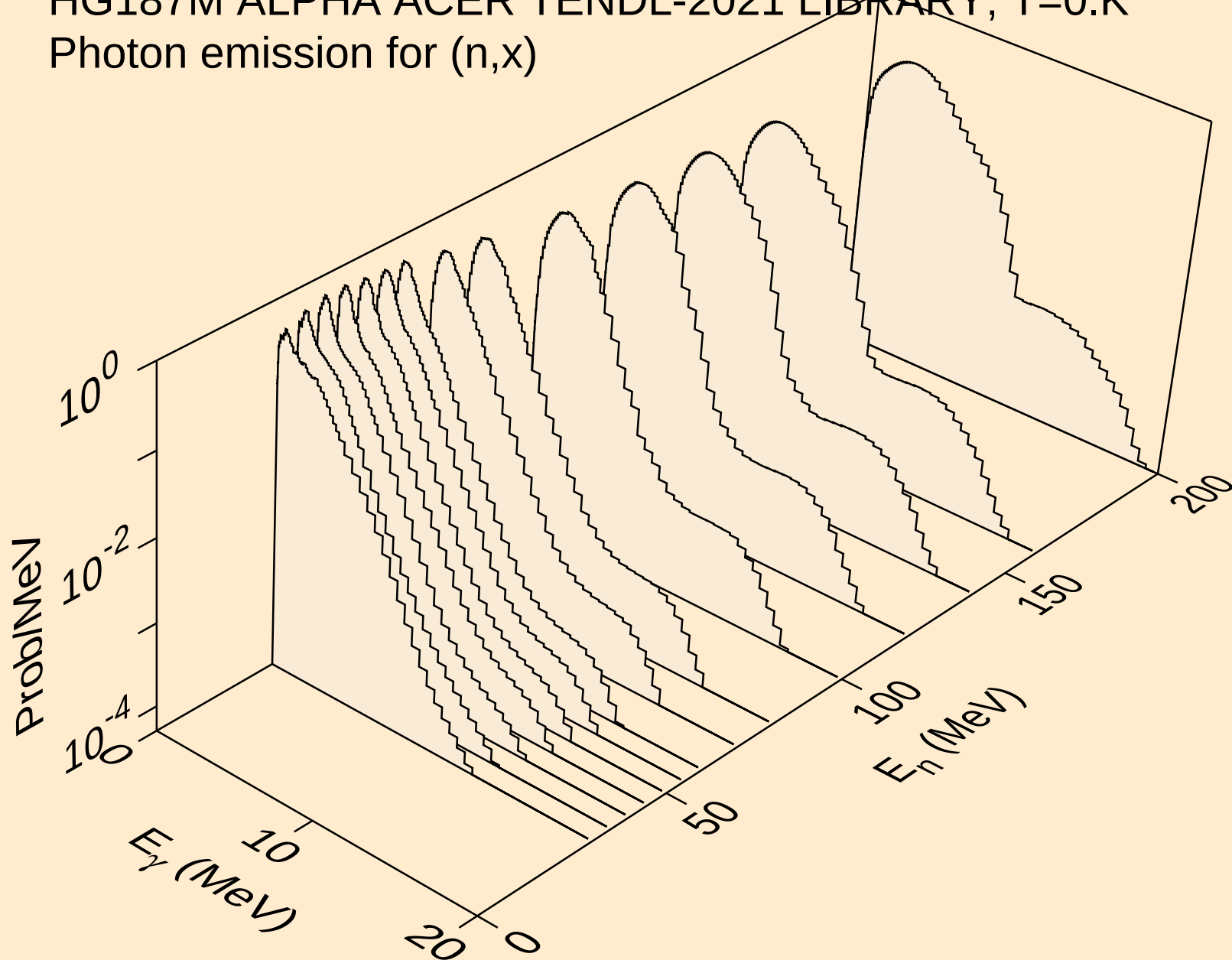
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,pa)



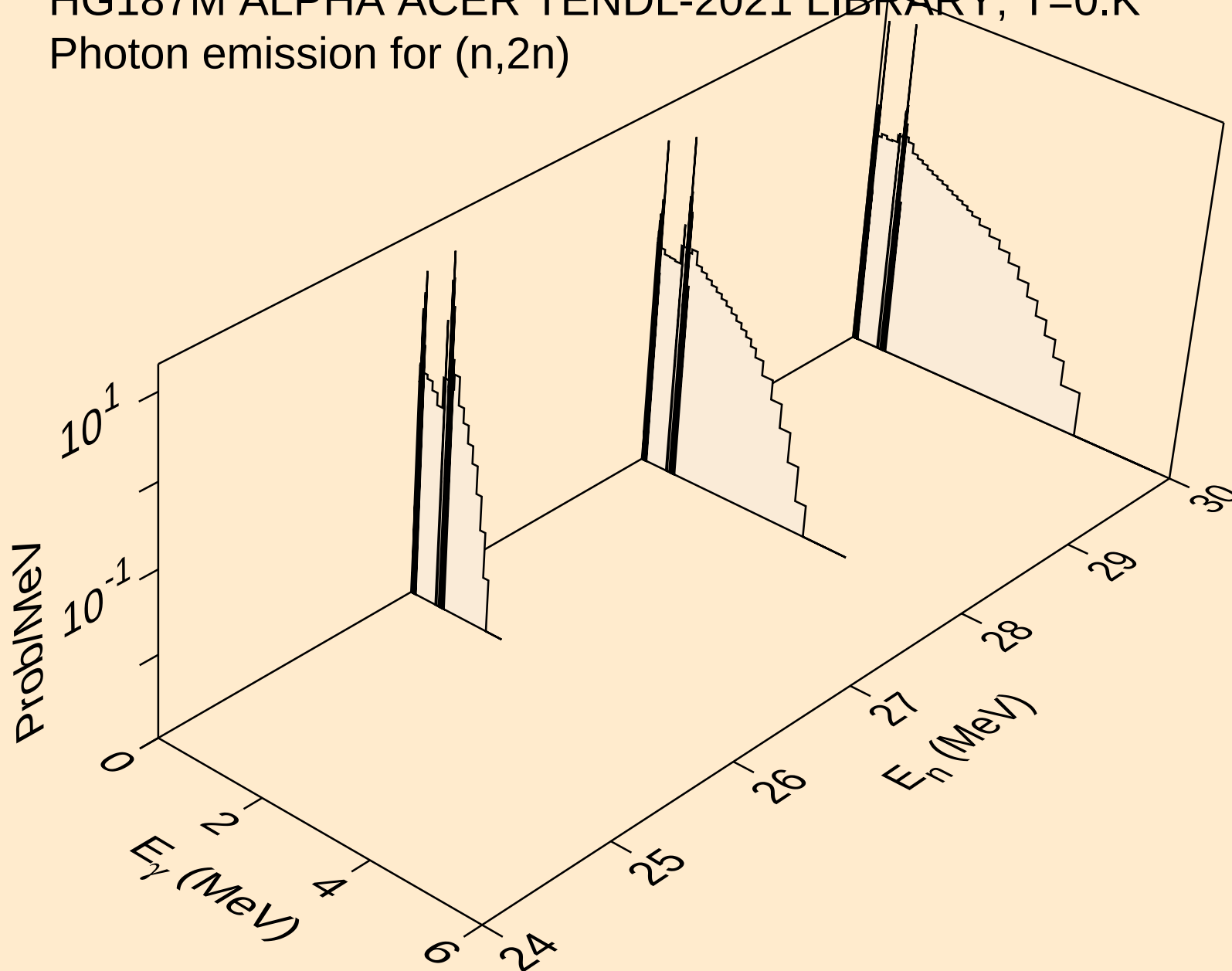
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (z,n)



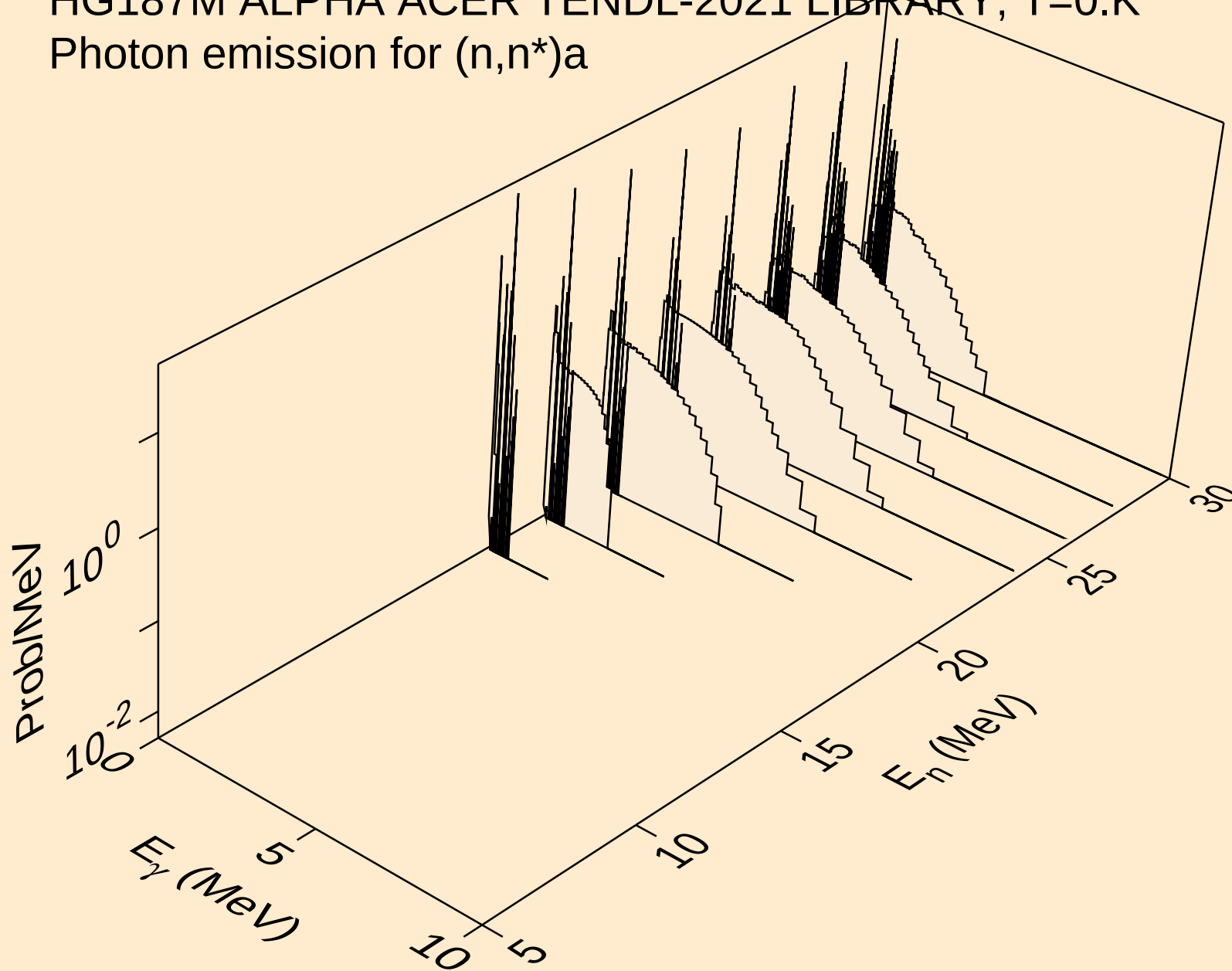
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,x)



HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2n)

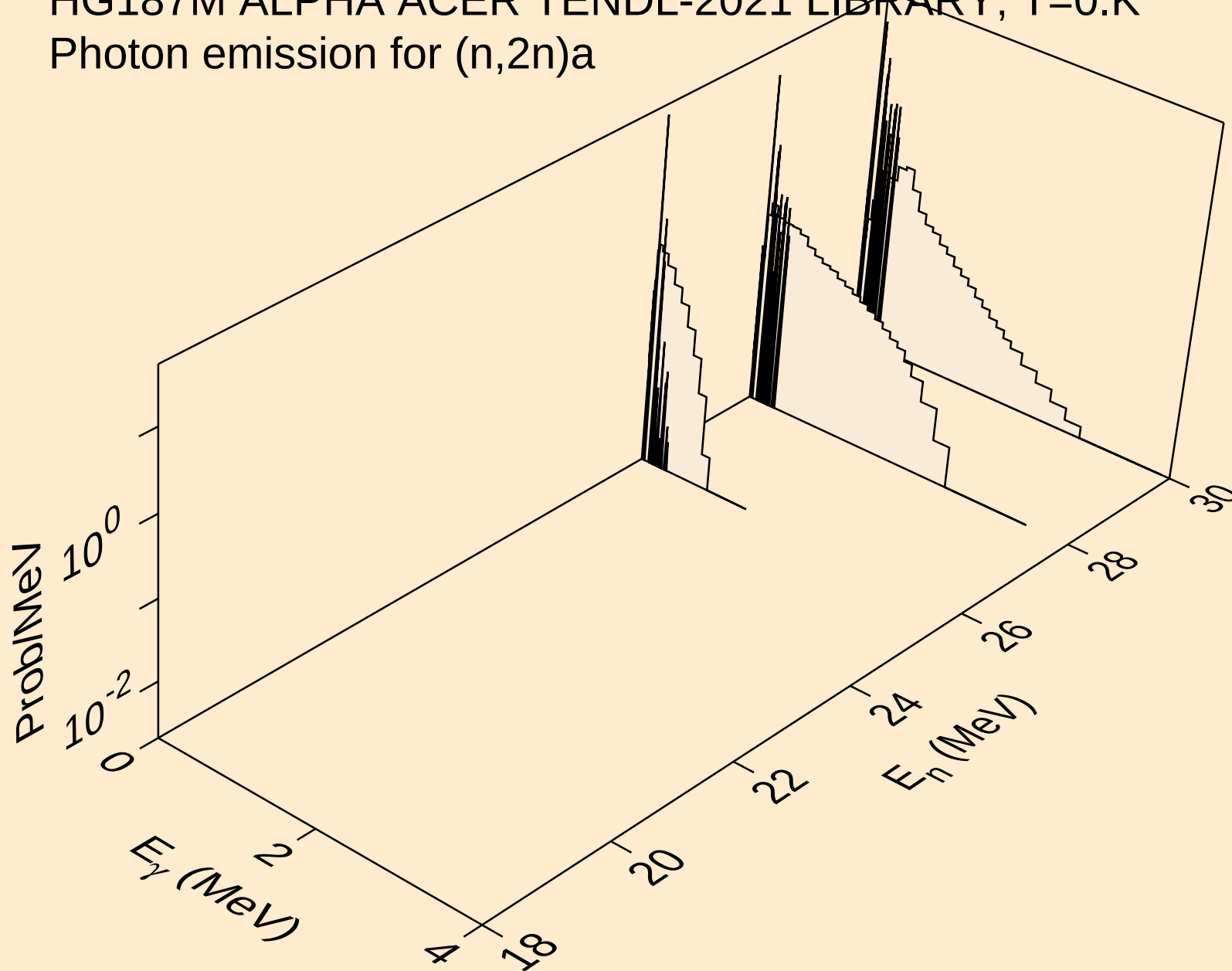


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a

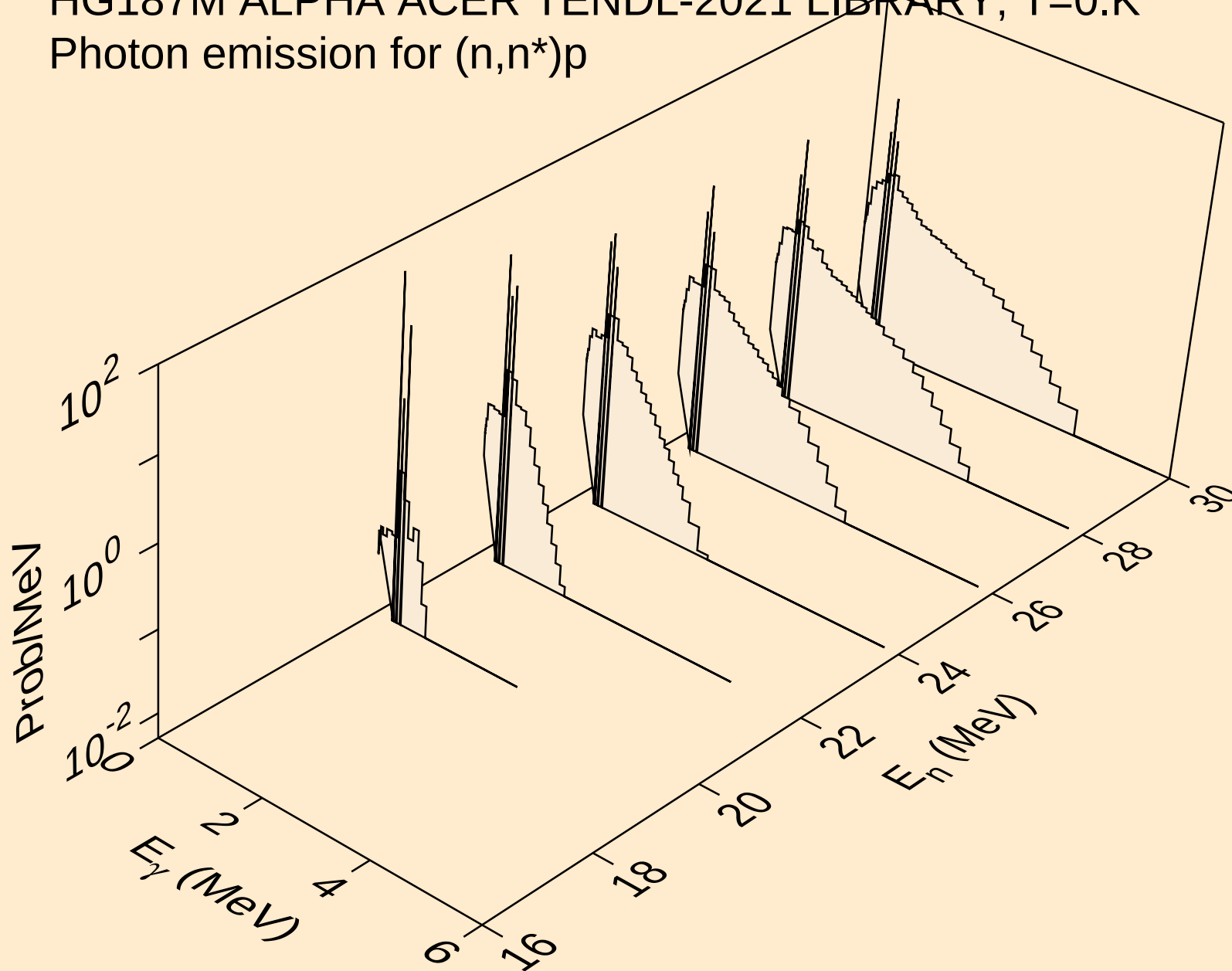


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

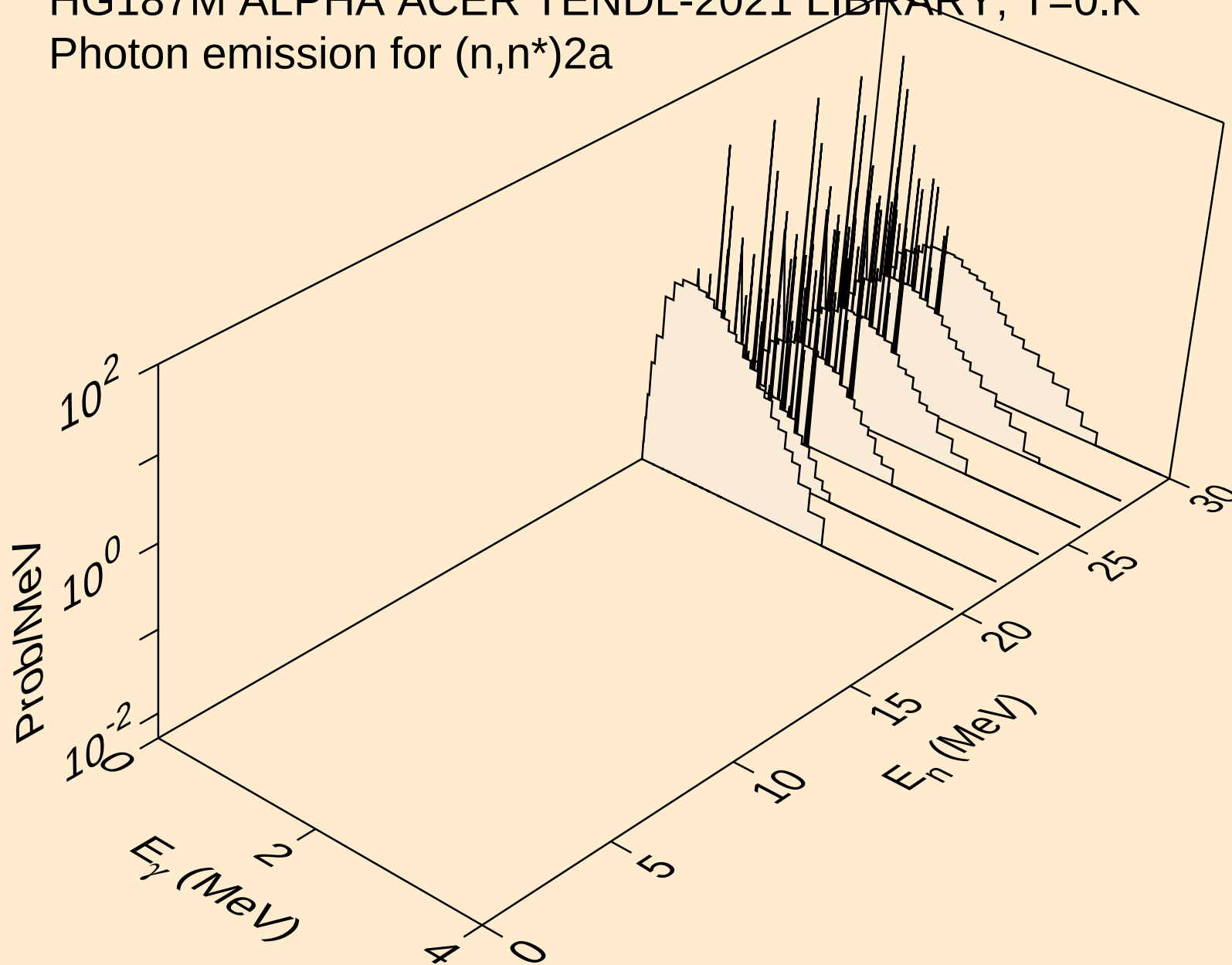
Photon emission for (n,2n) α



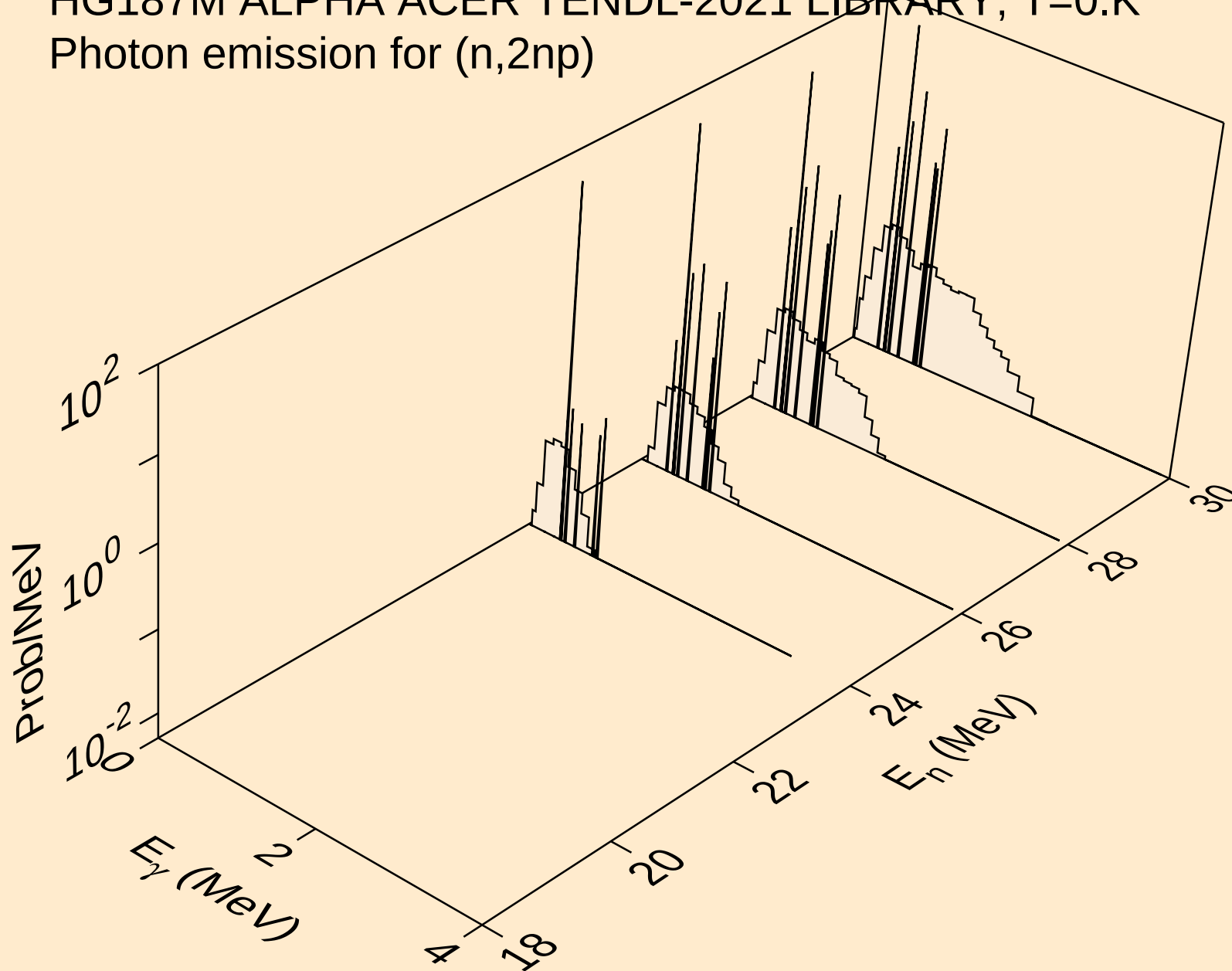
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)p$



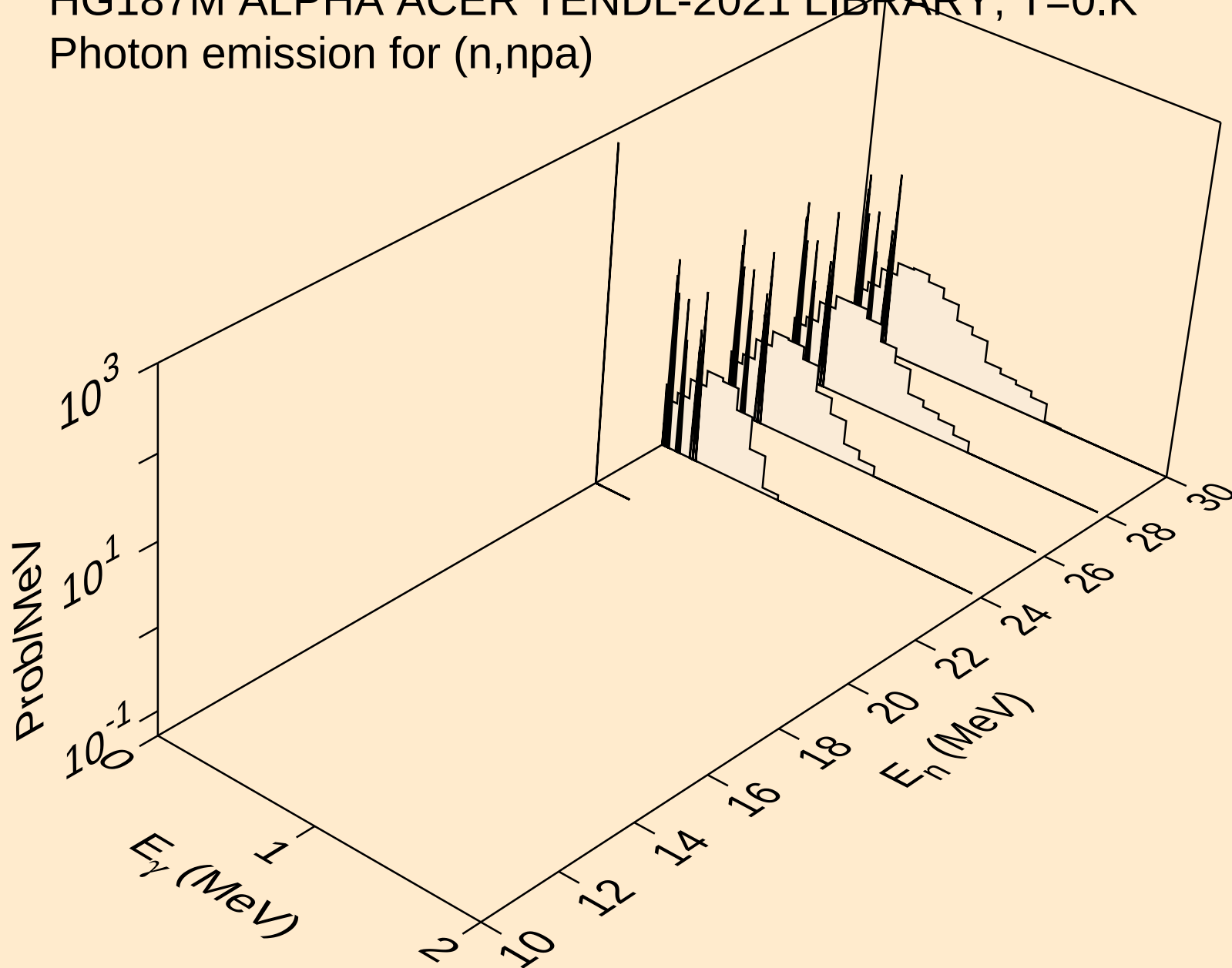
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)^{2a}$



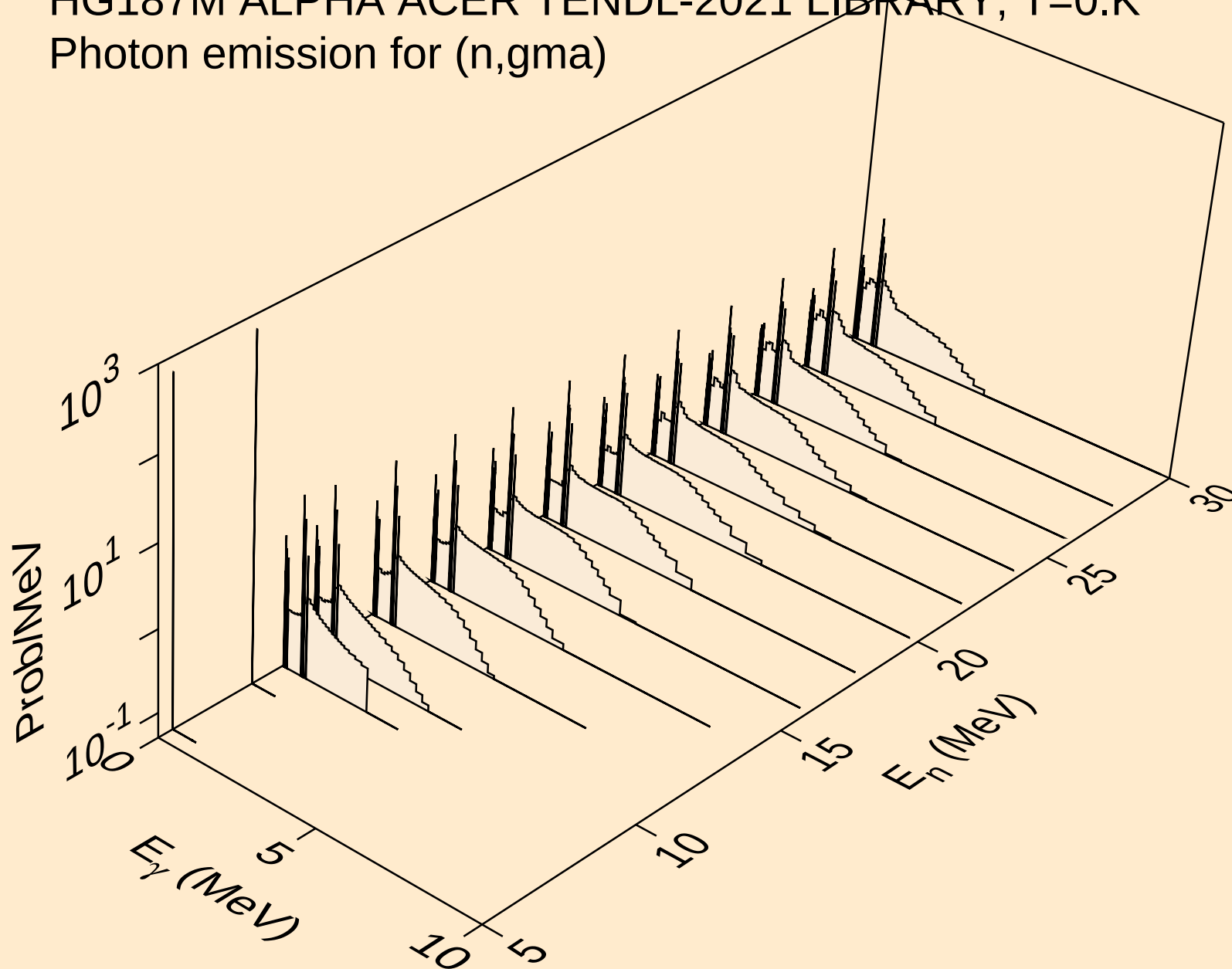
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Photon emission for (n,2np)



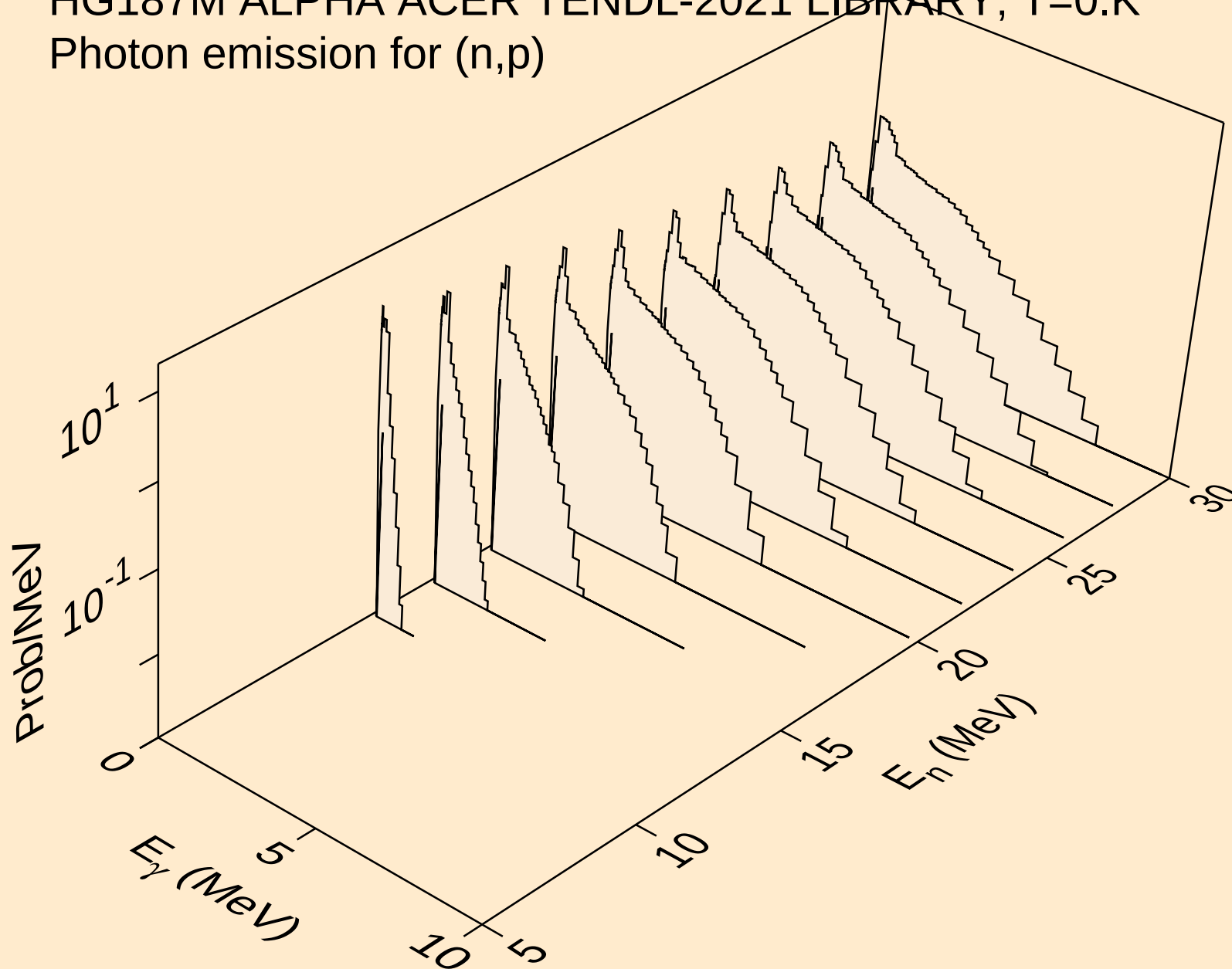
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,npa)



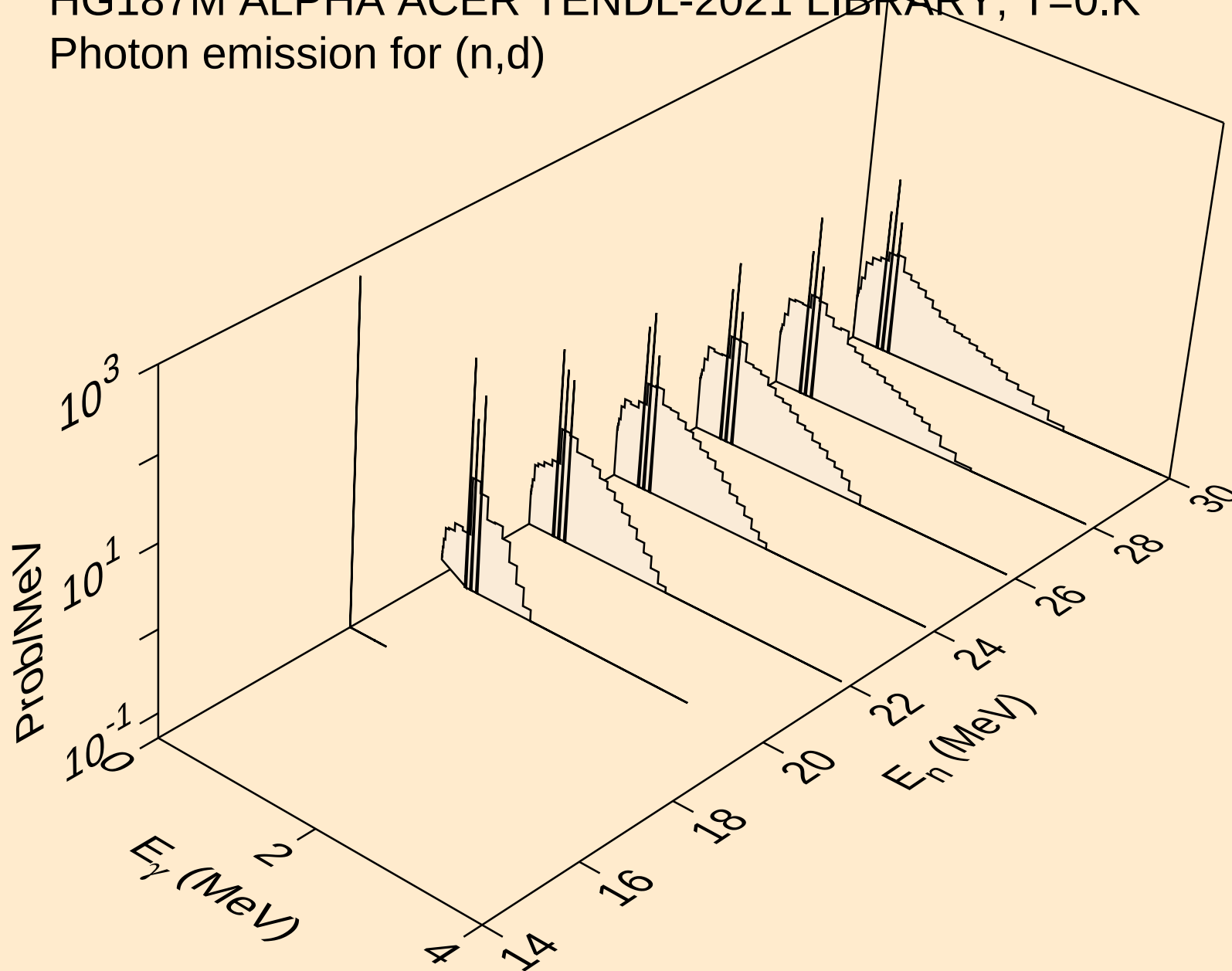
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,gma)



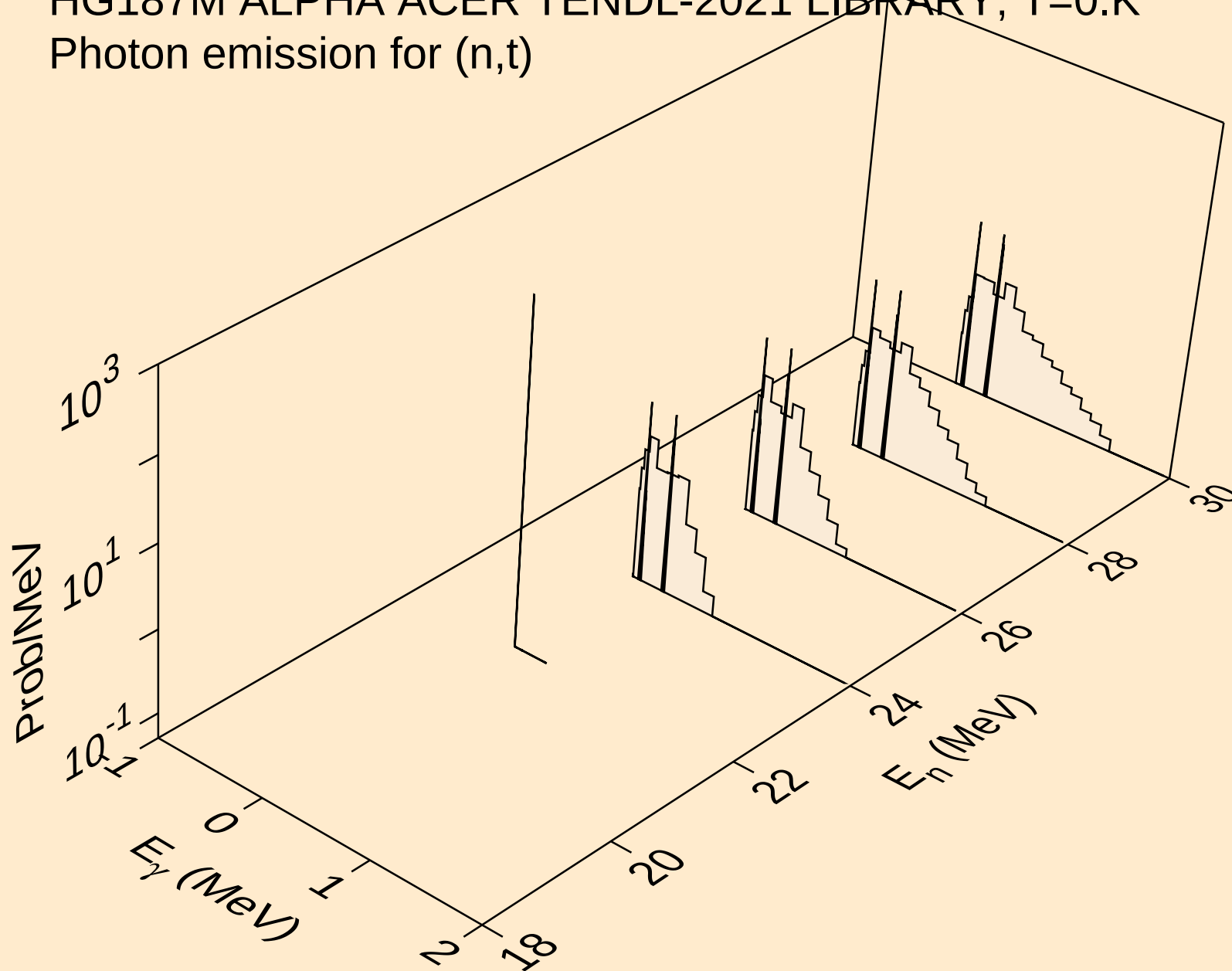
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p)



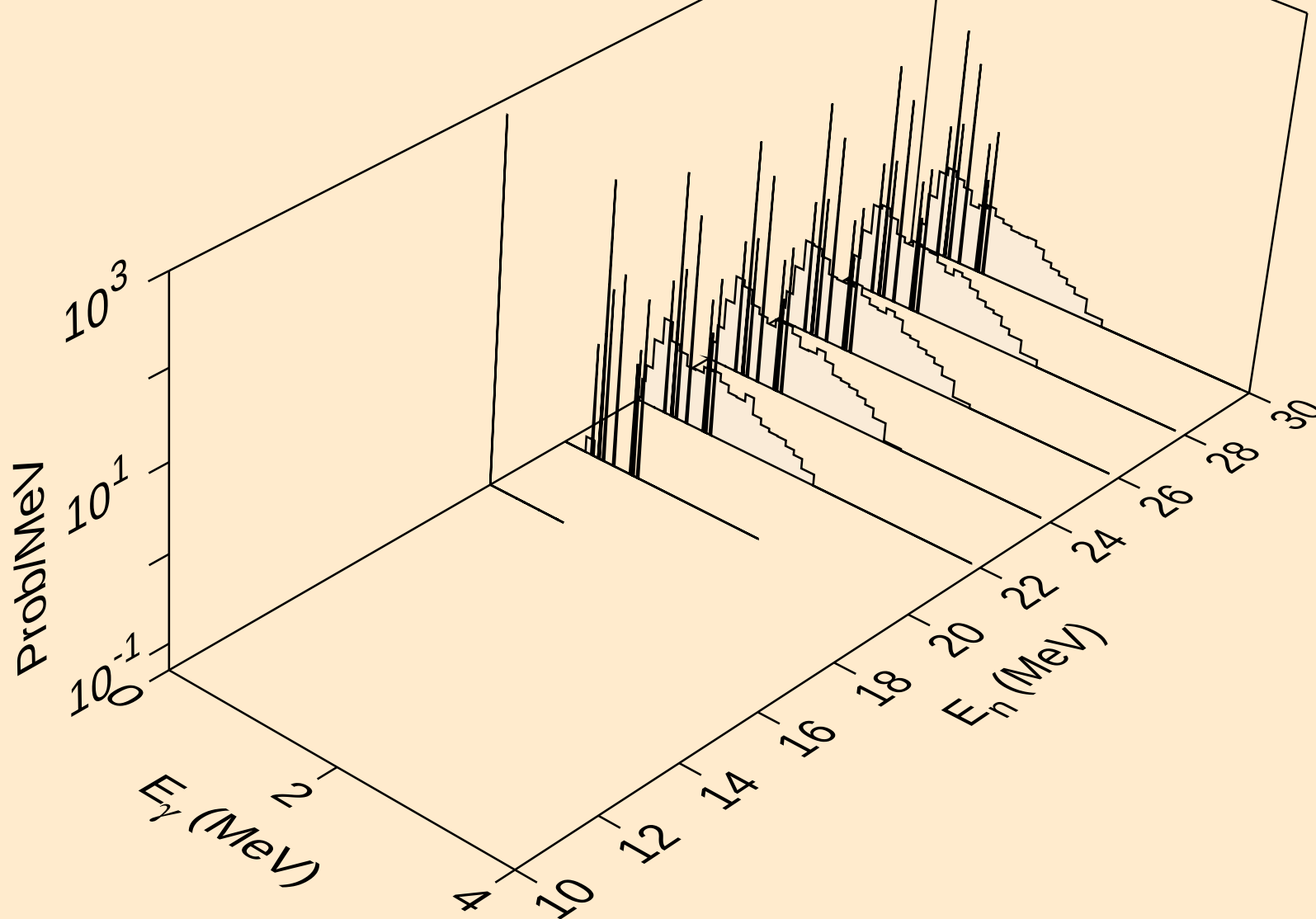
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,d)



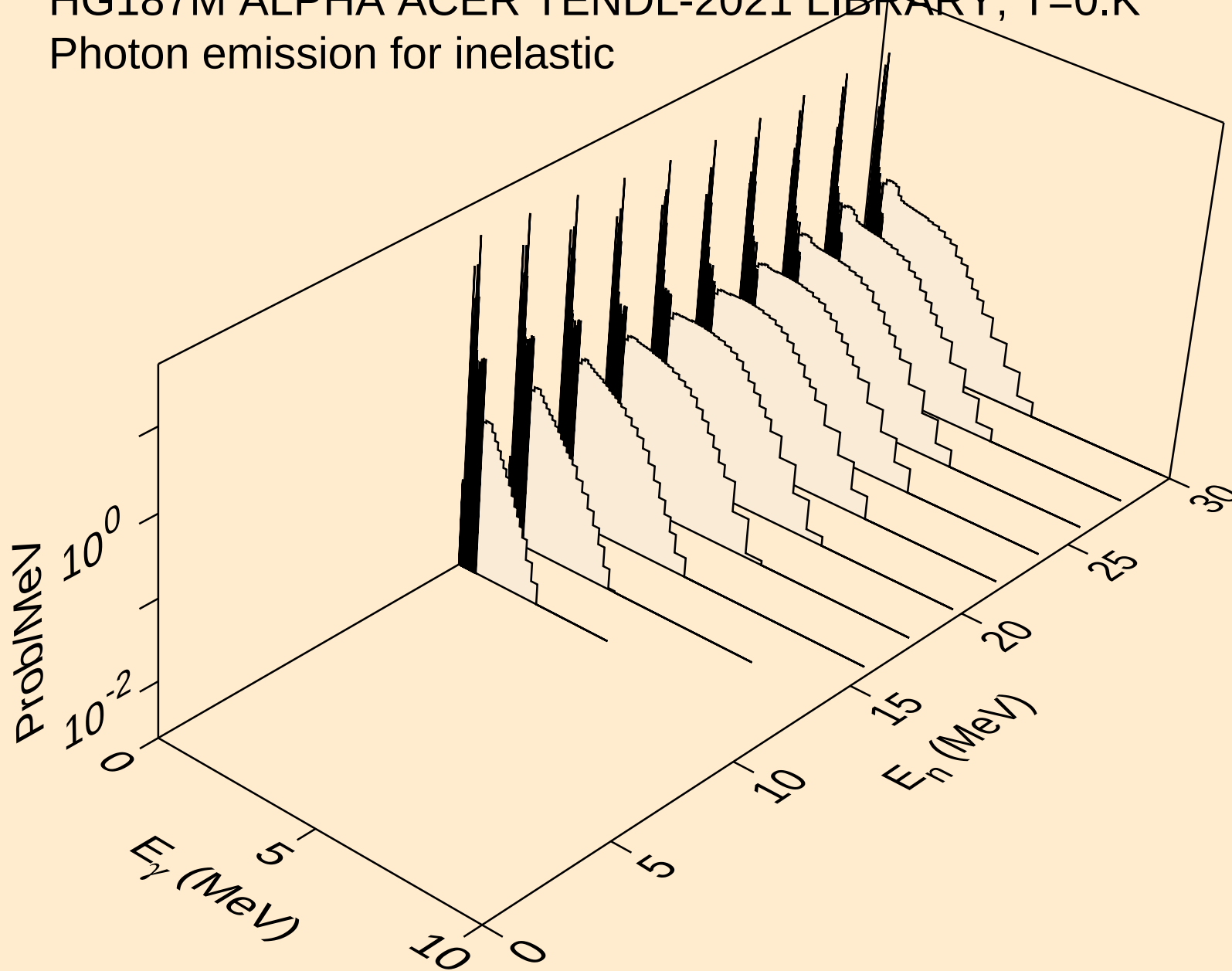
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,t)



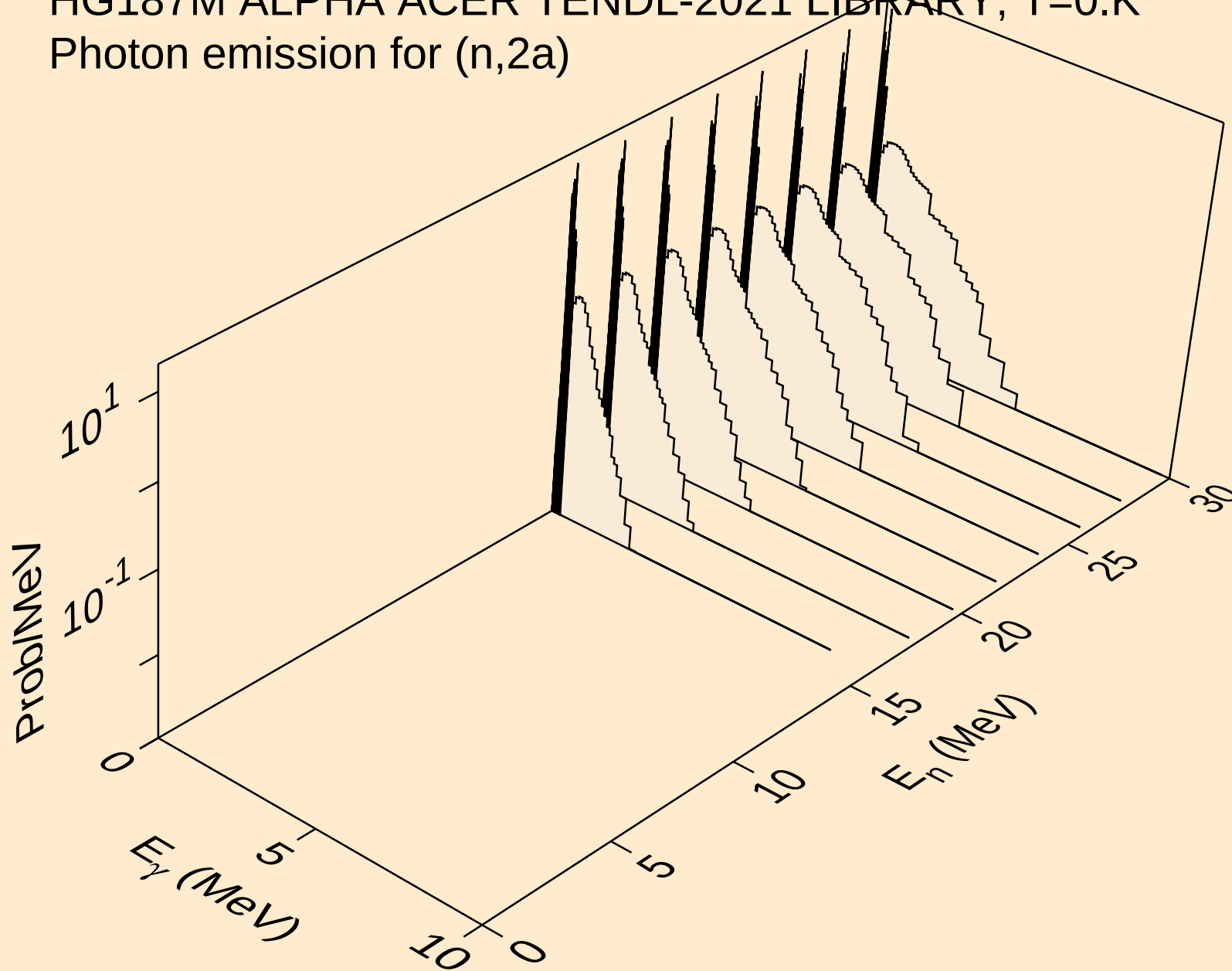
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Photon emission for (n,he3)



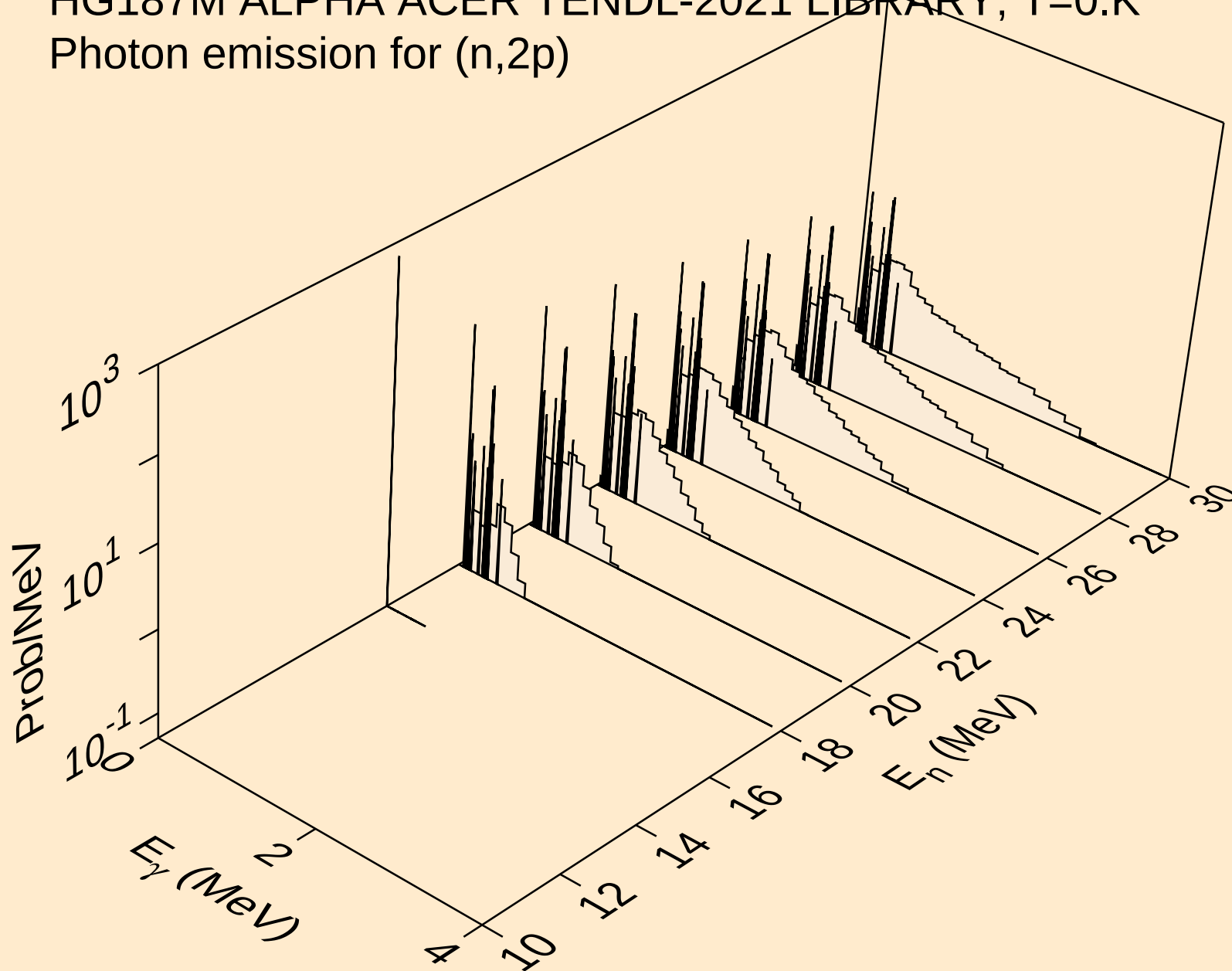
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic



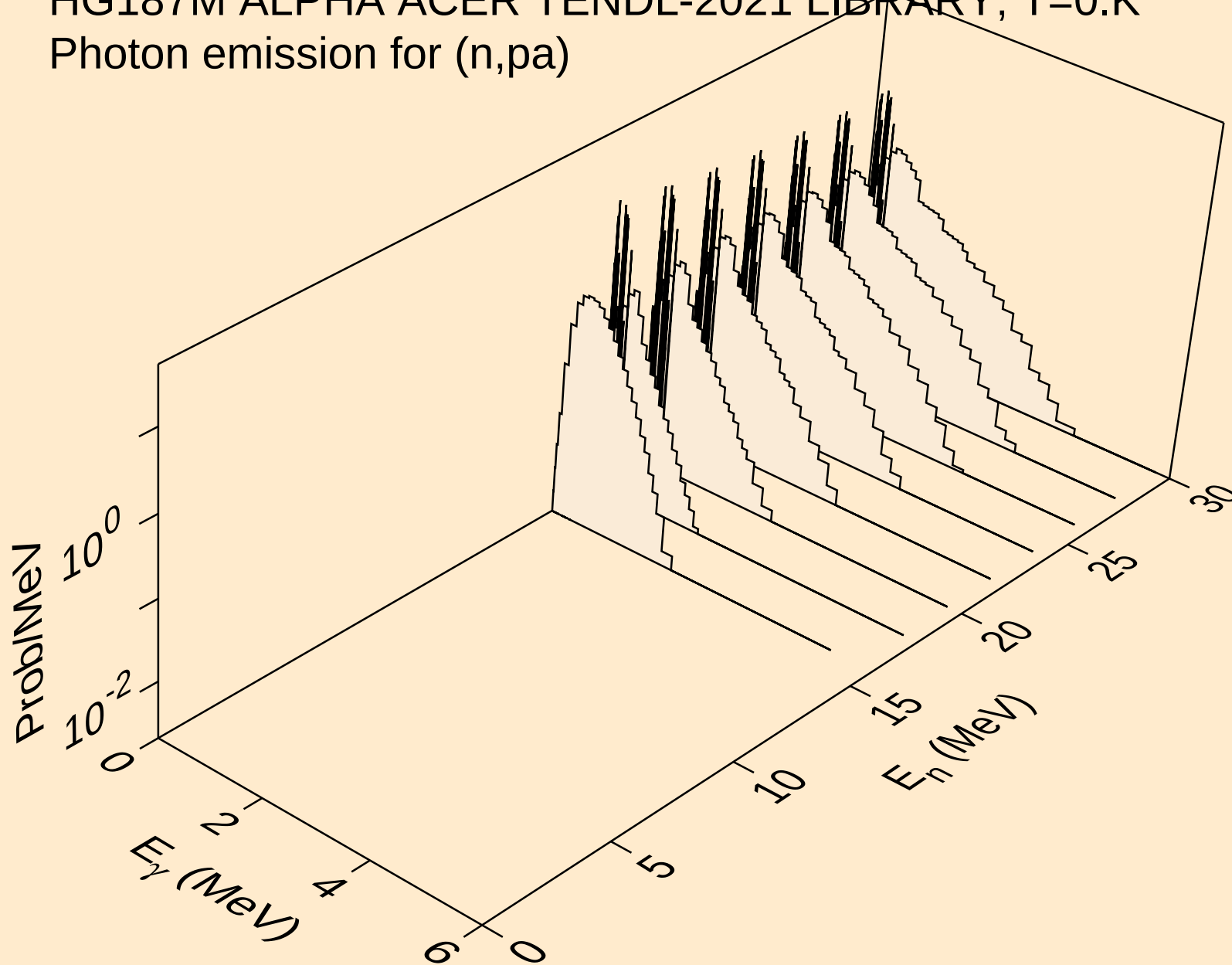
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2a)



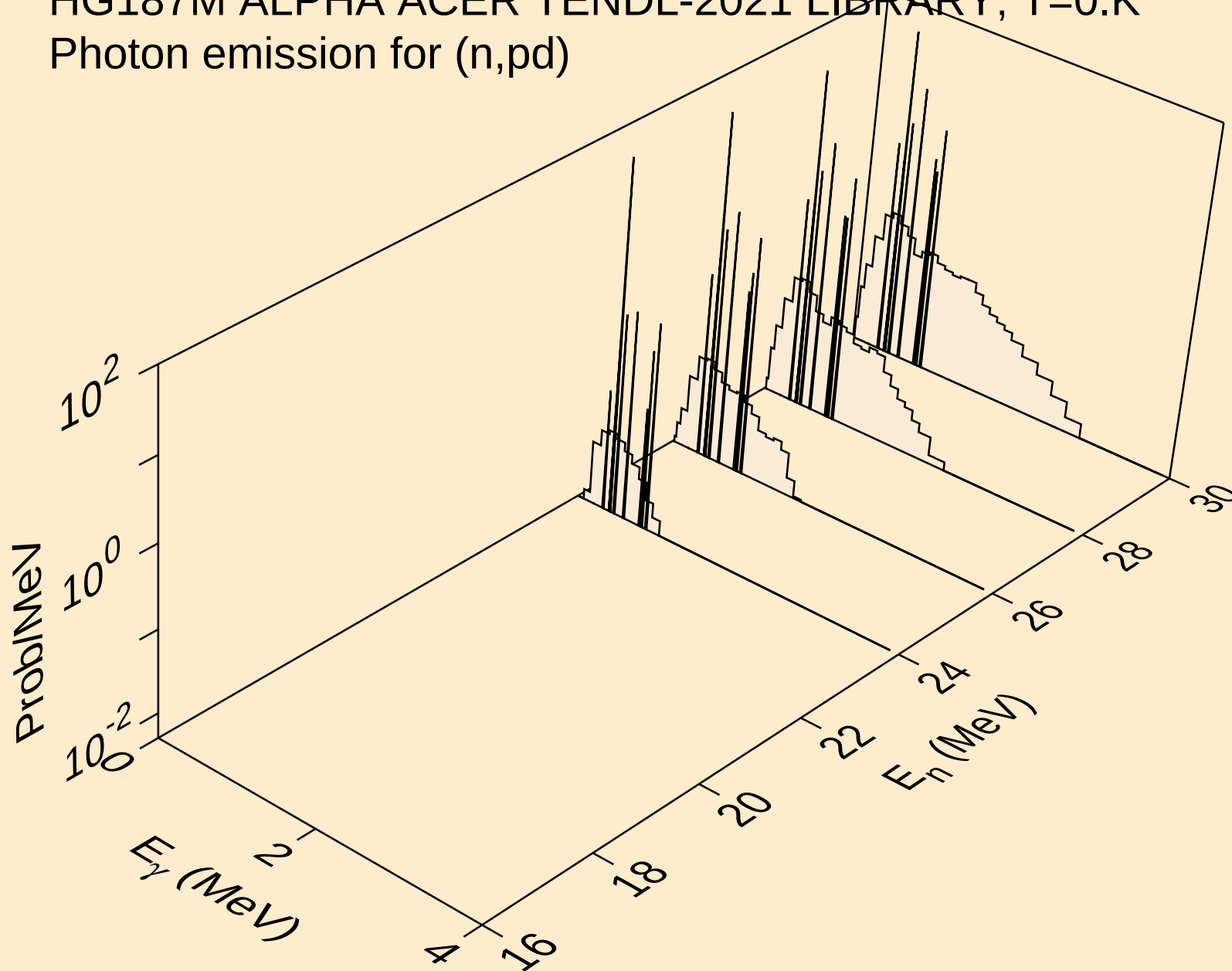
HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2p)



HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pa)

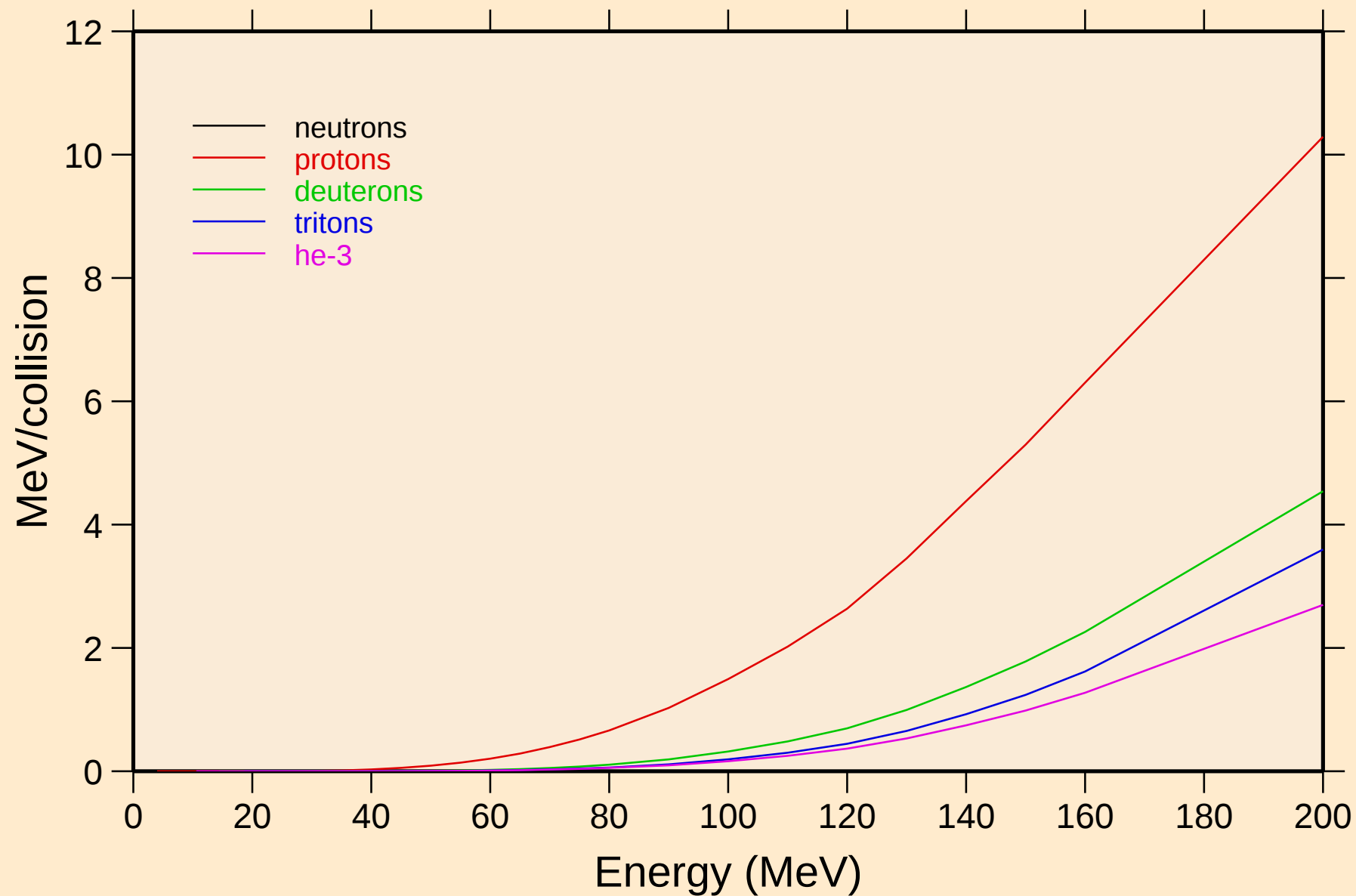


HG187M ALPHA ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,pd)



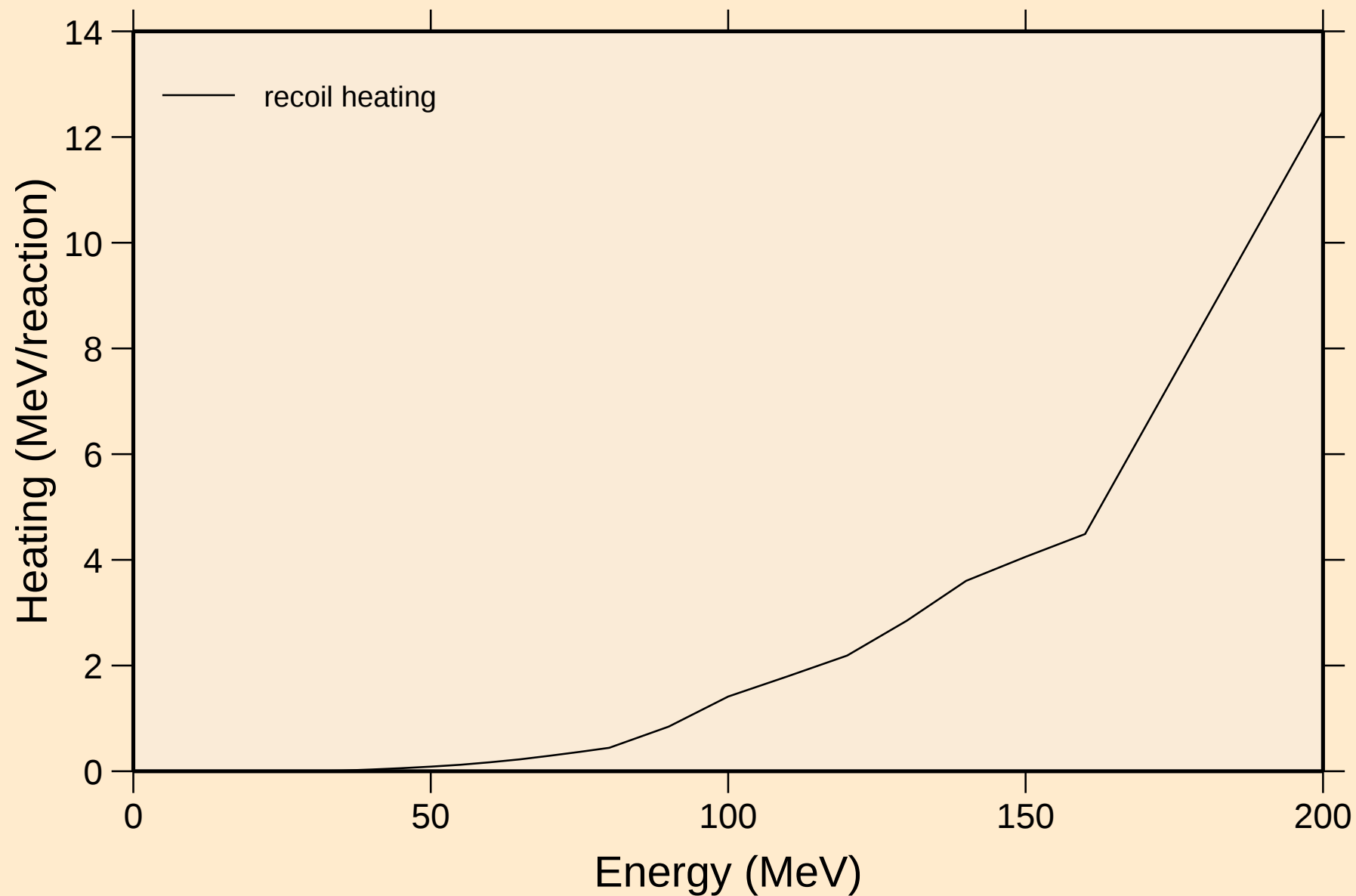
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Particle heating contributions



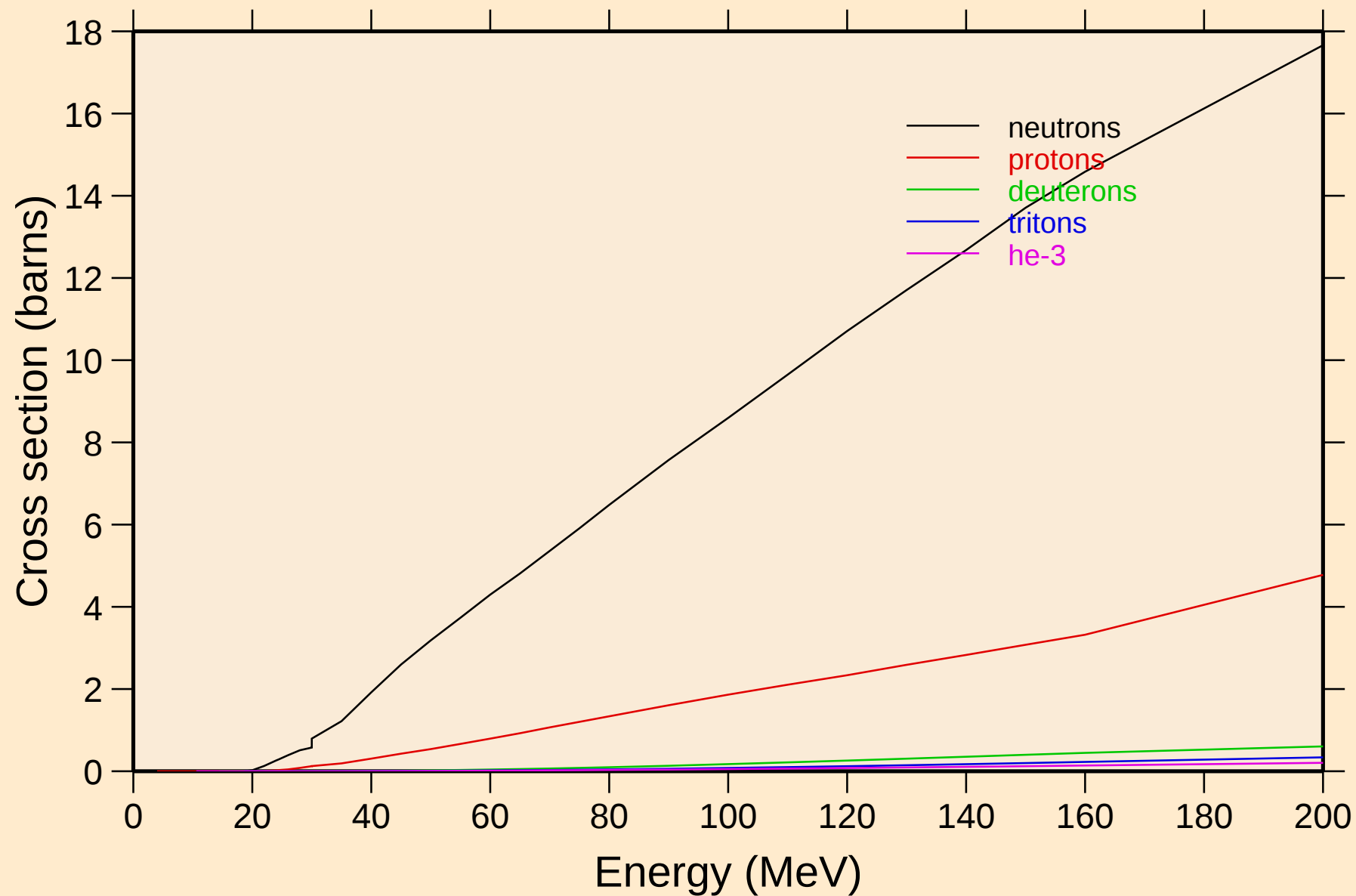
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Recoil Heating

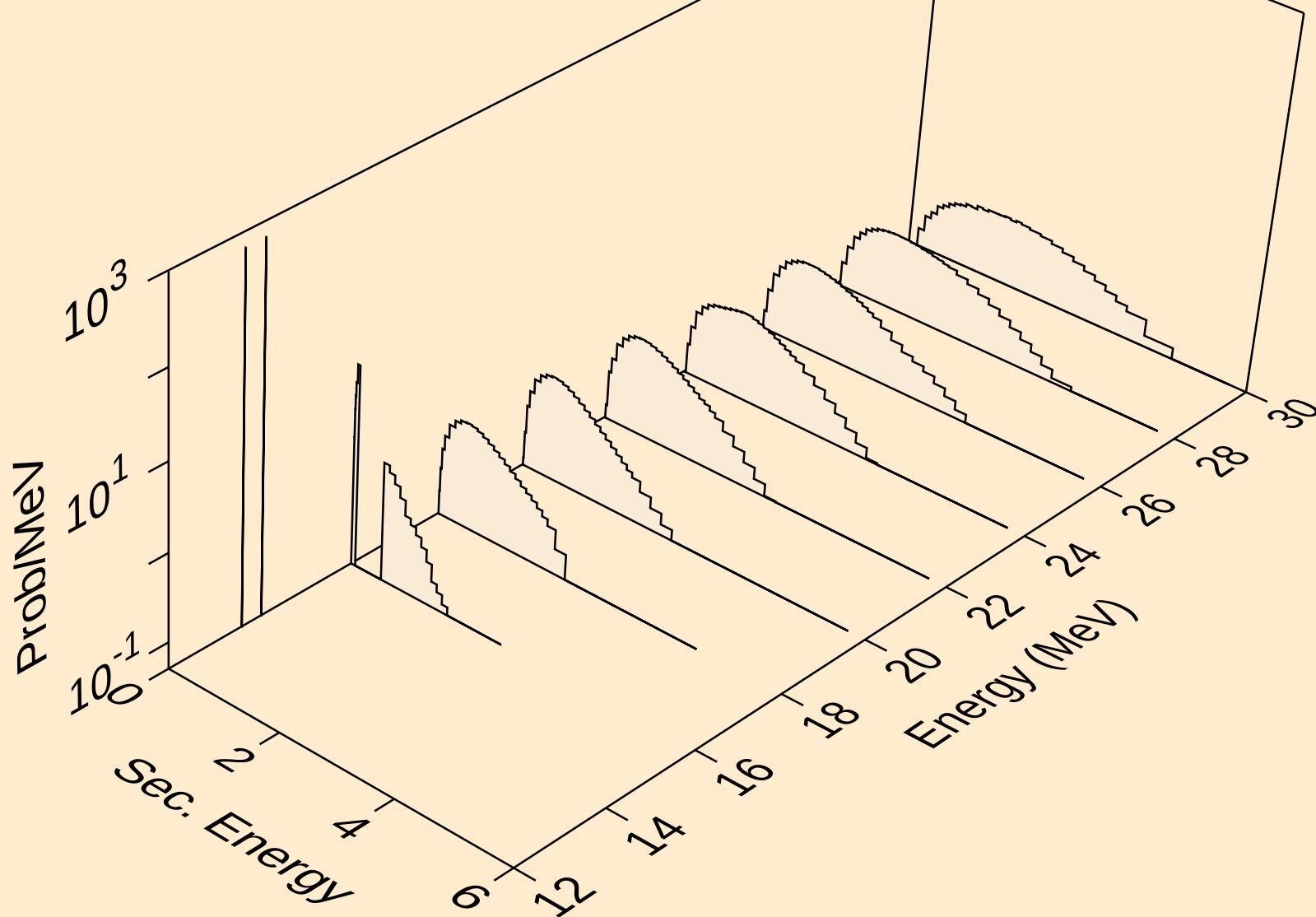


HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

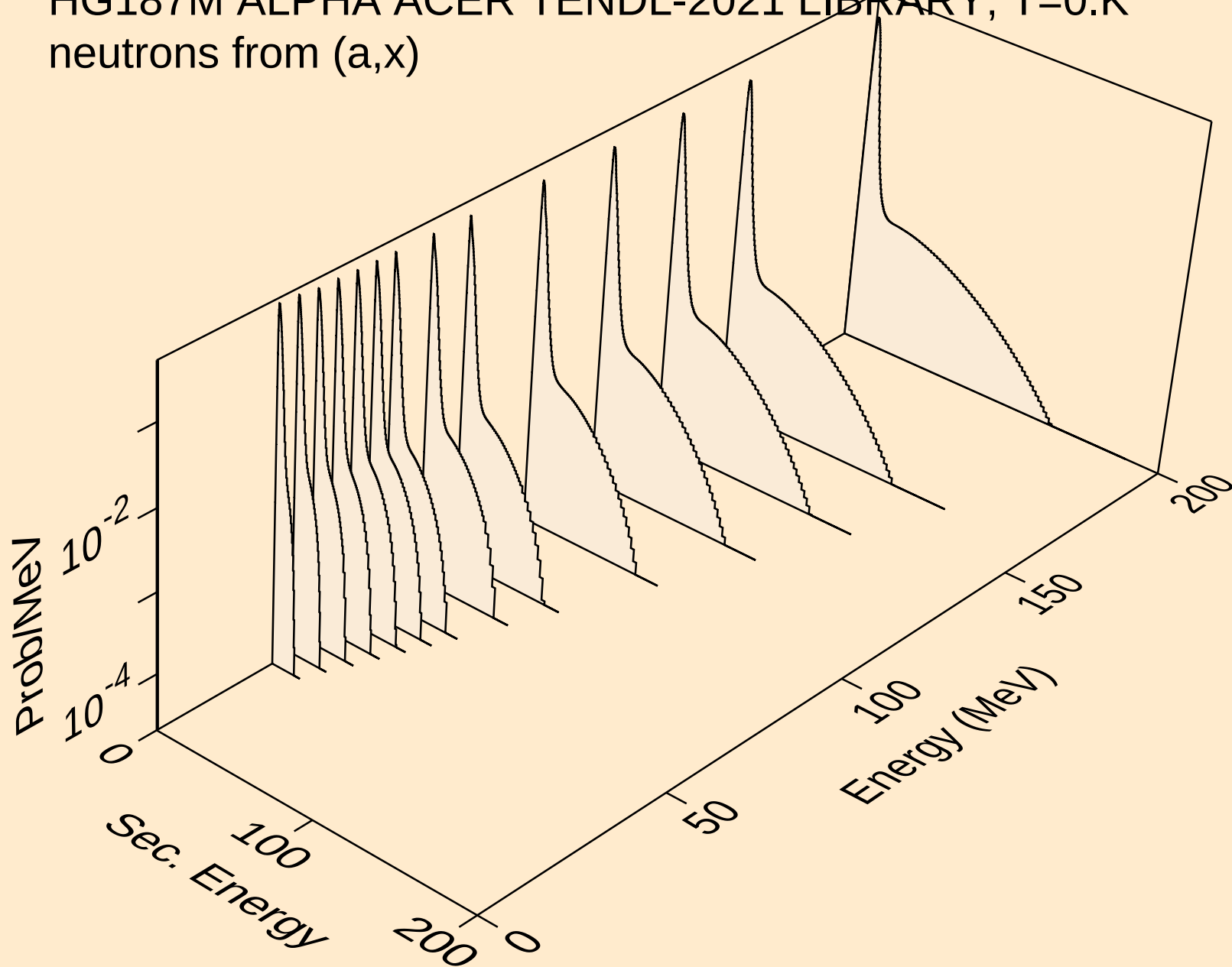
Particle production cross sections



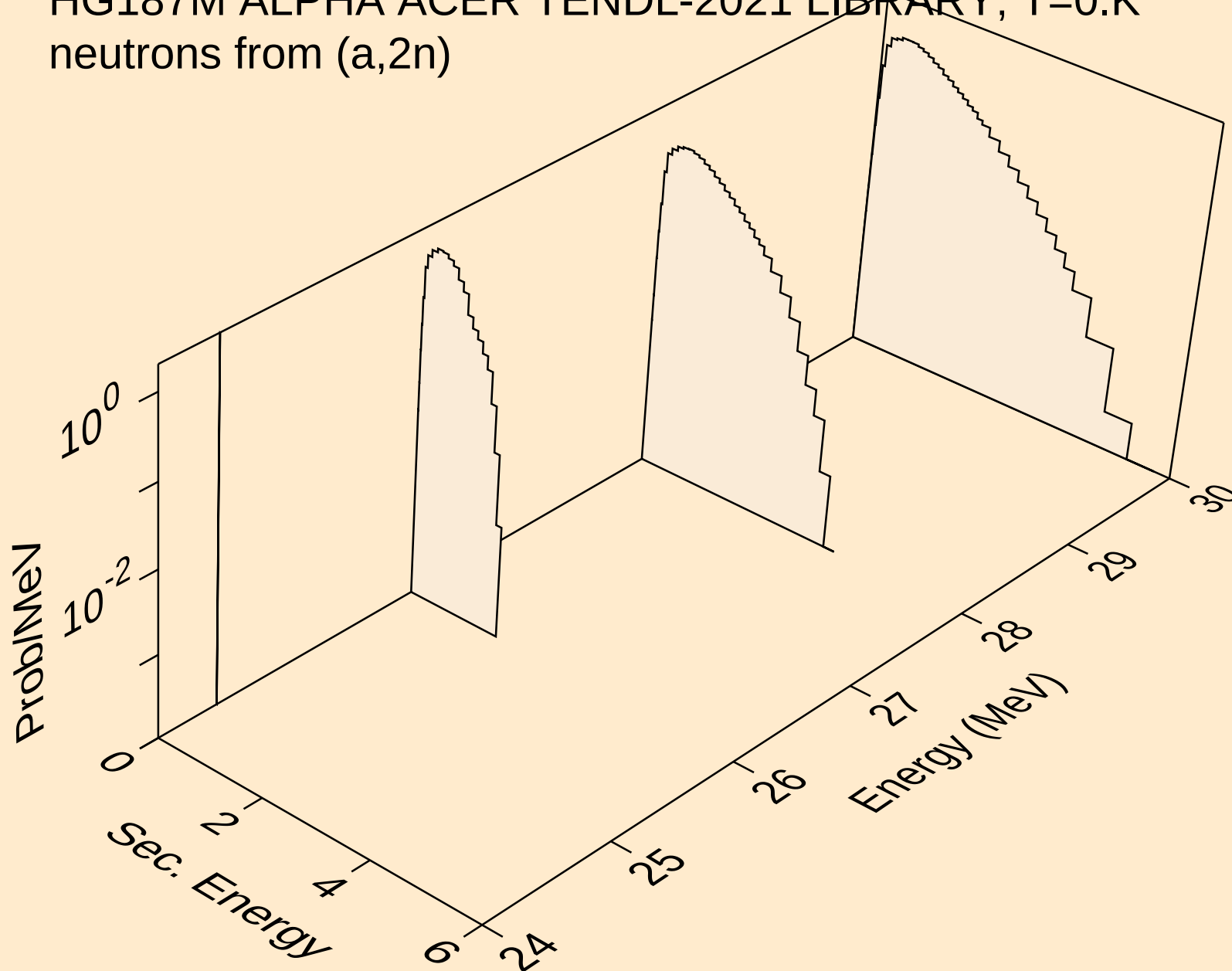
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n)



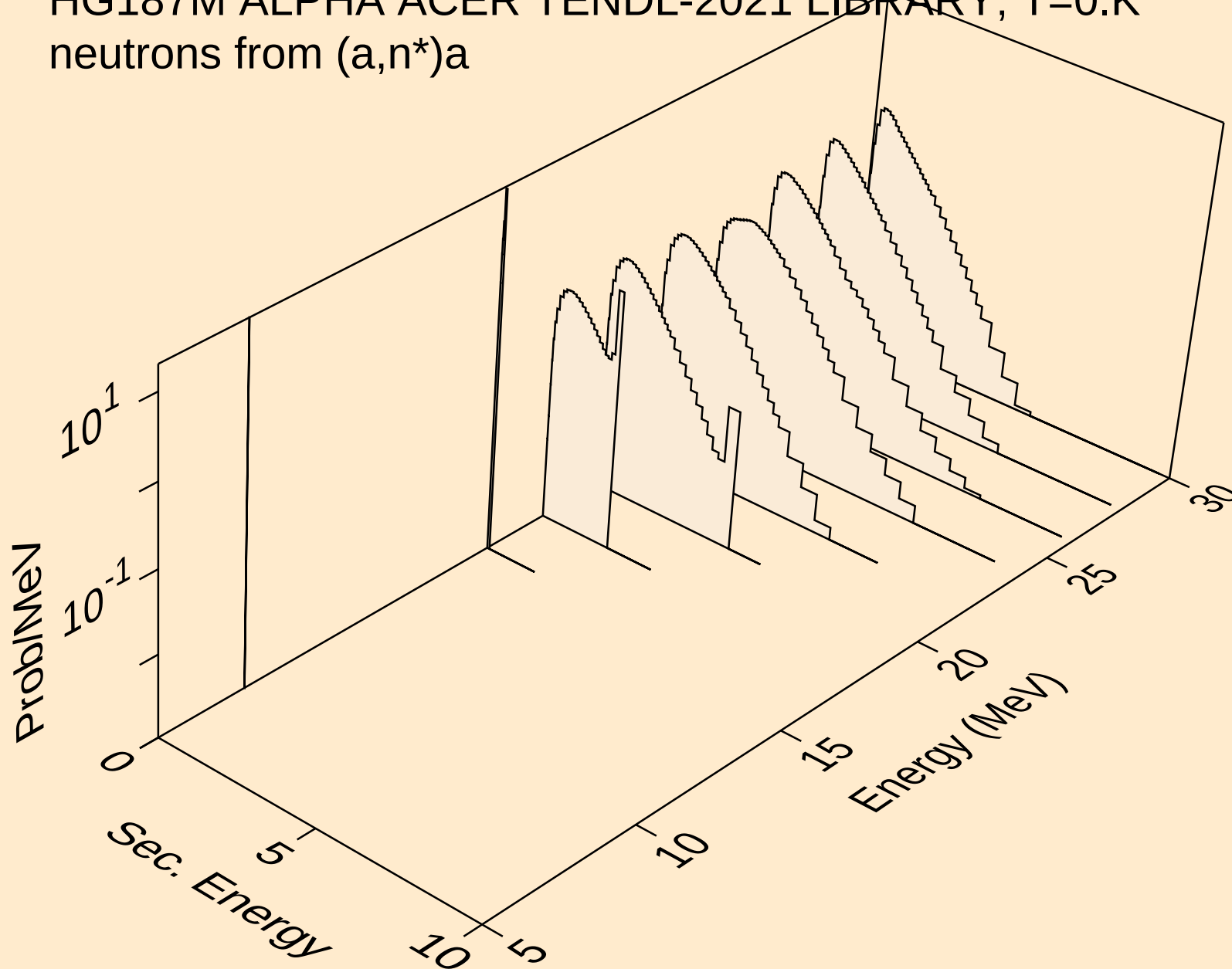
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,x)



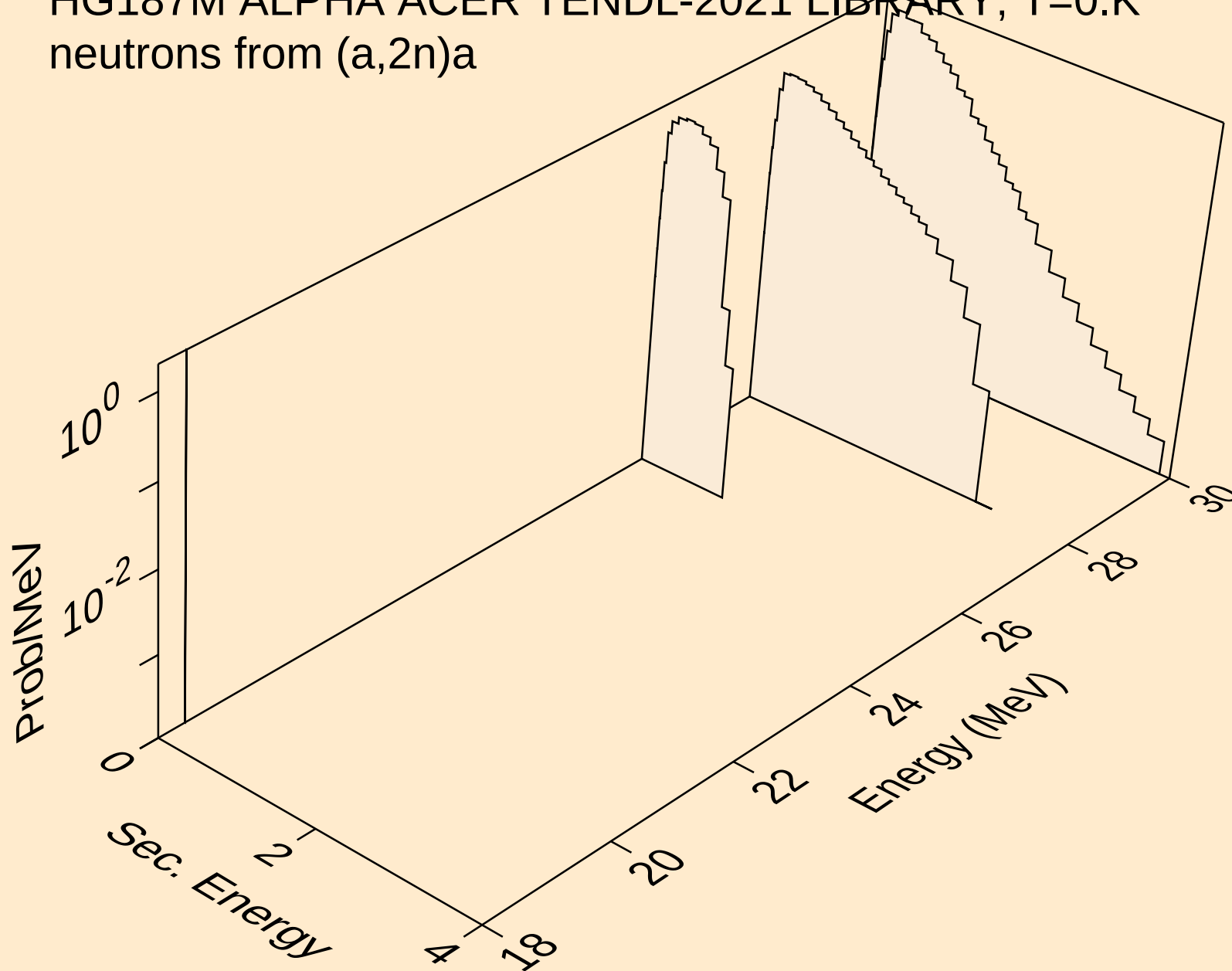
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)



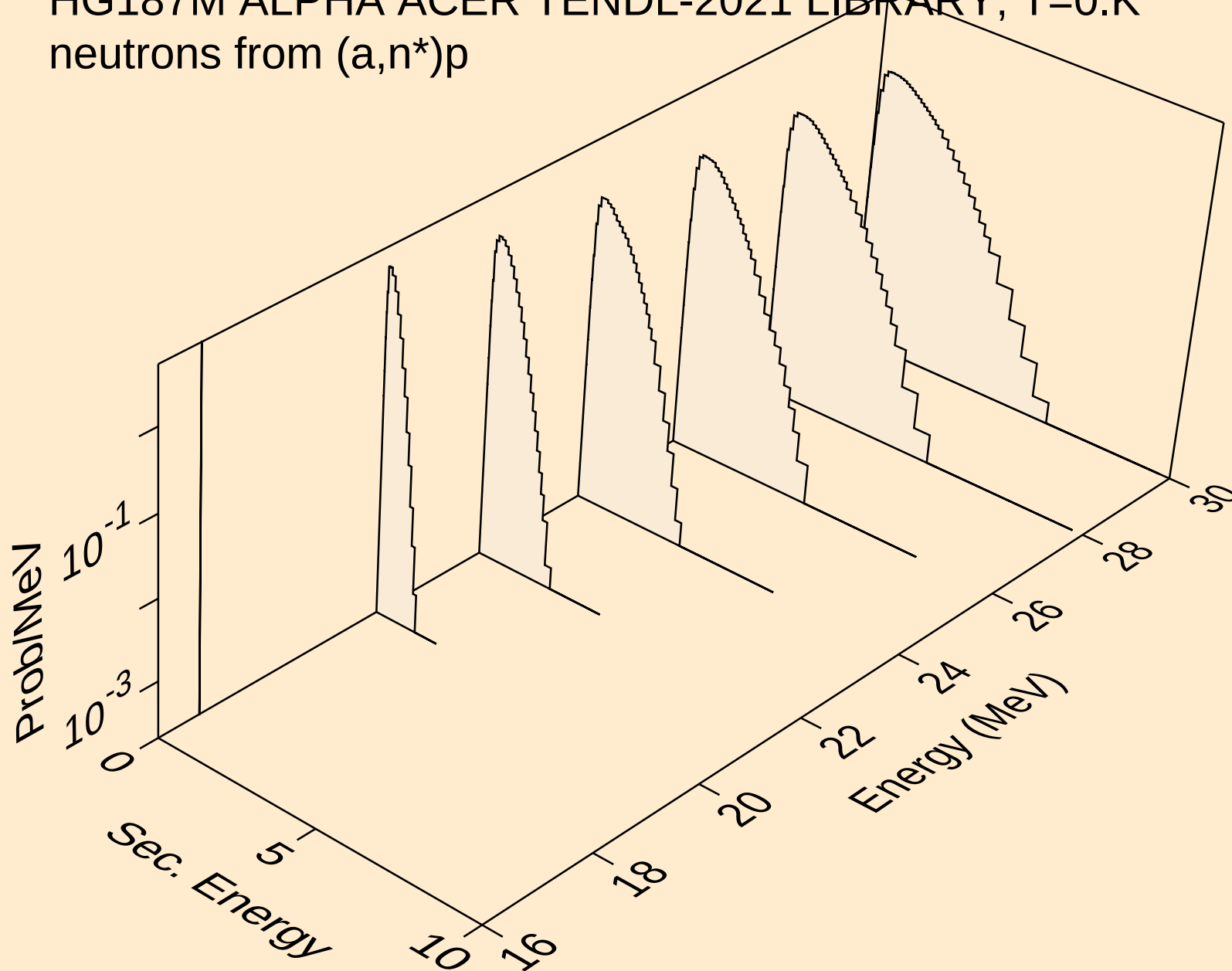
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)a



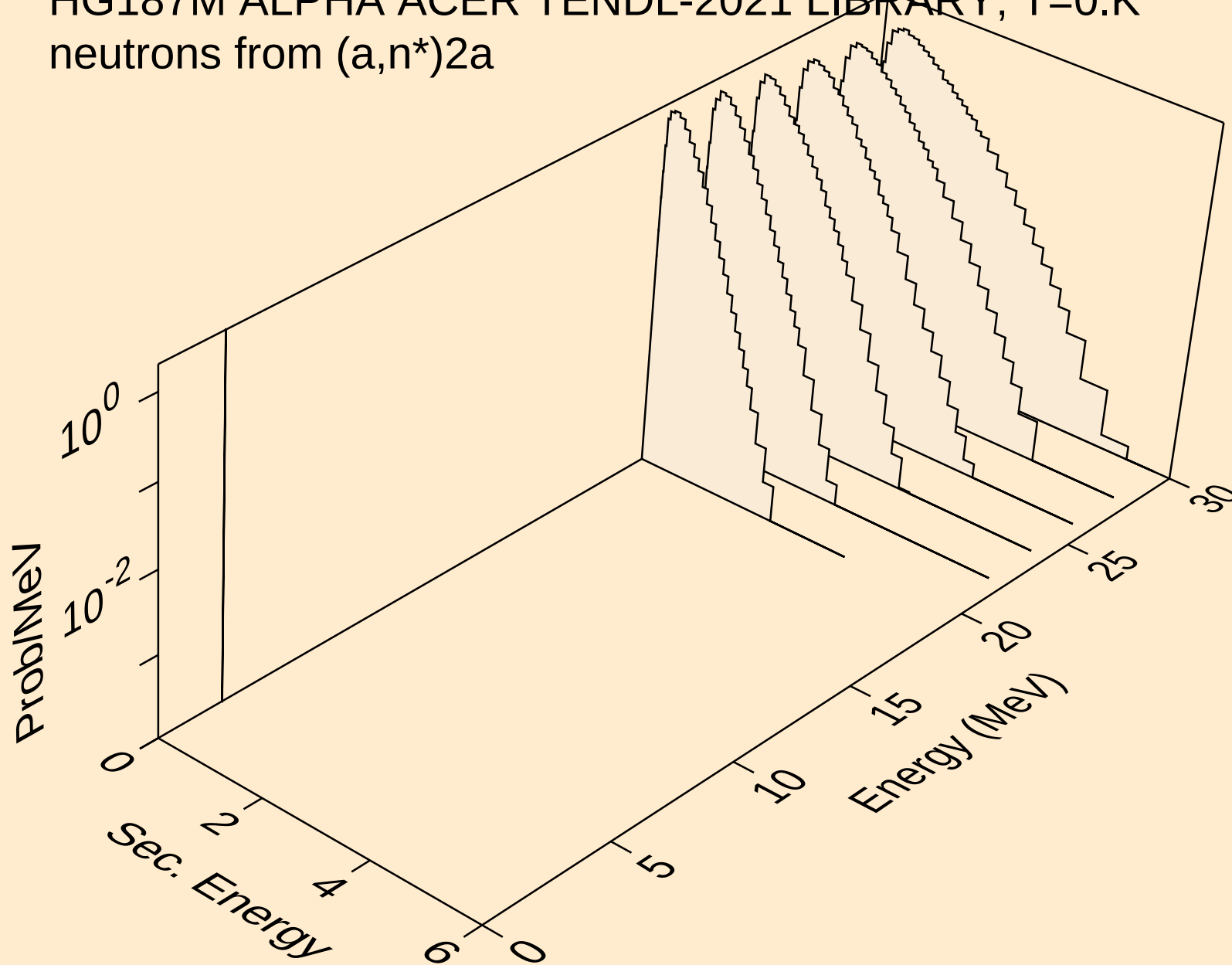
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)a



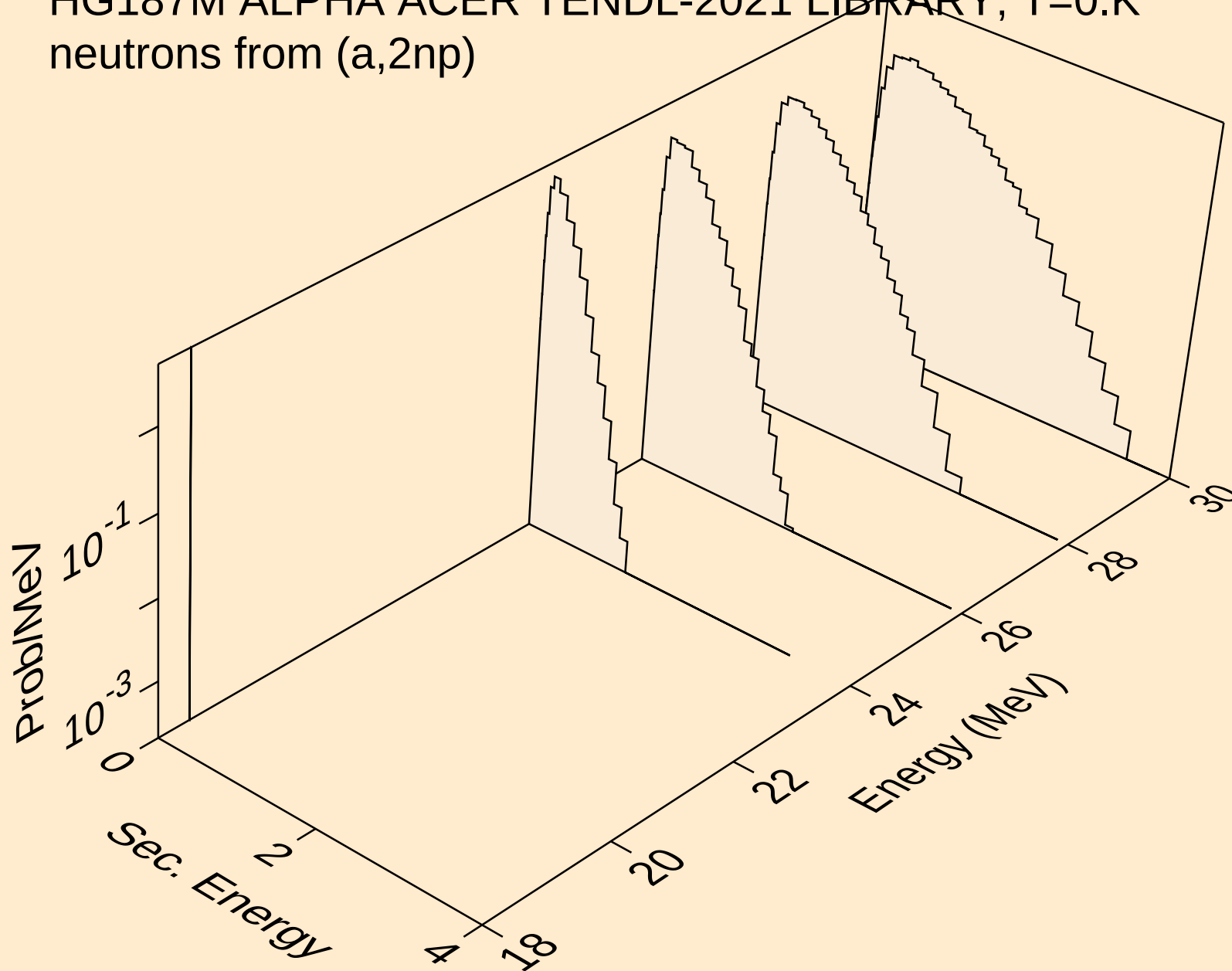
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)p



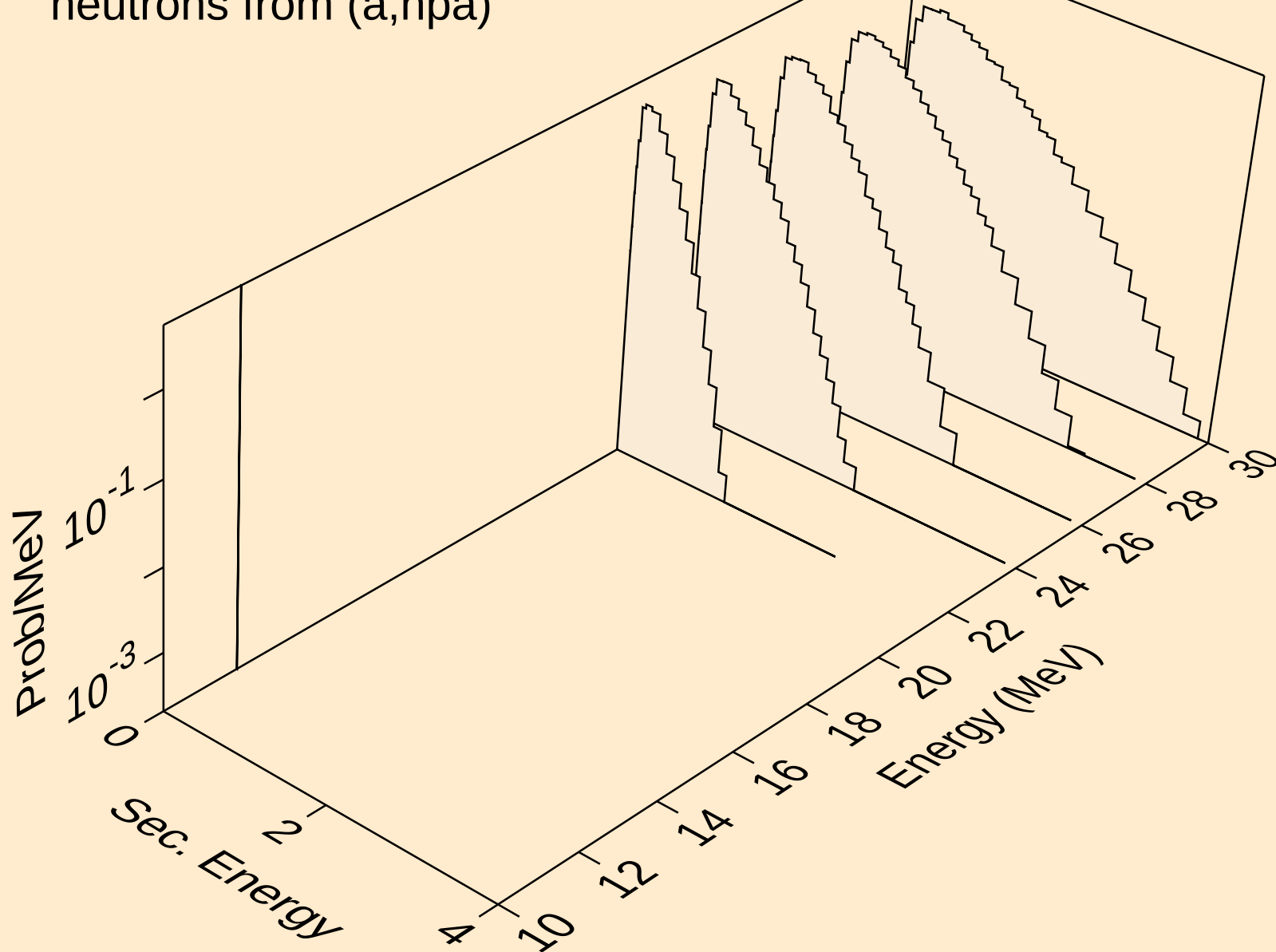
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neutrons from (a,n*)2a



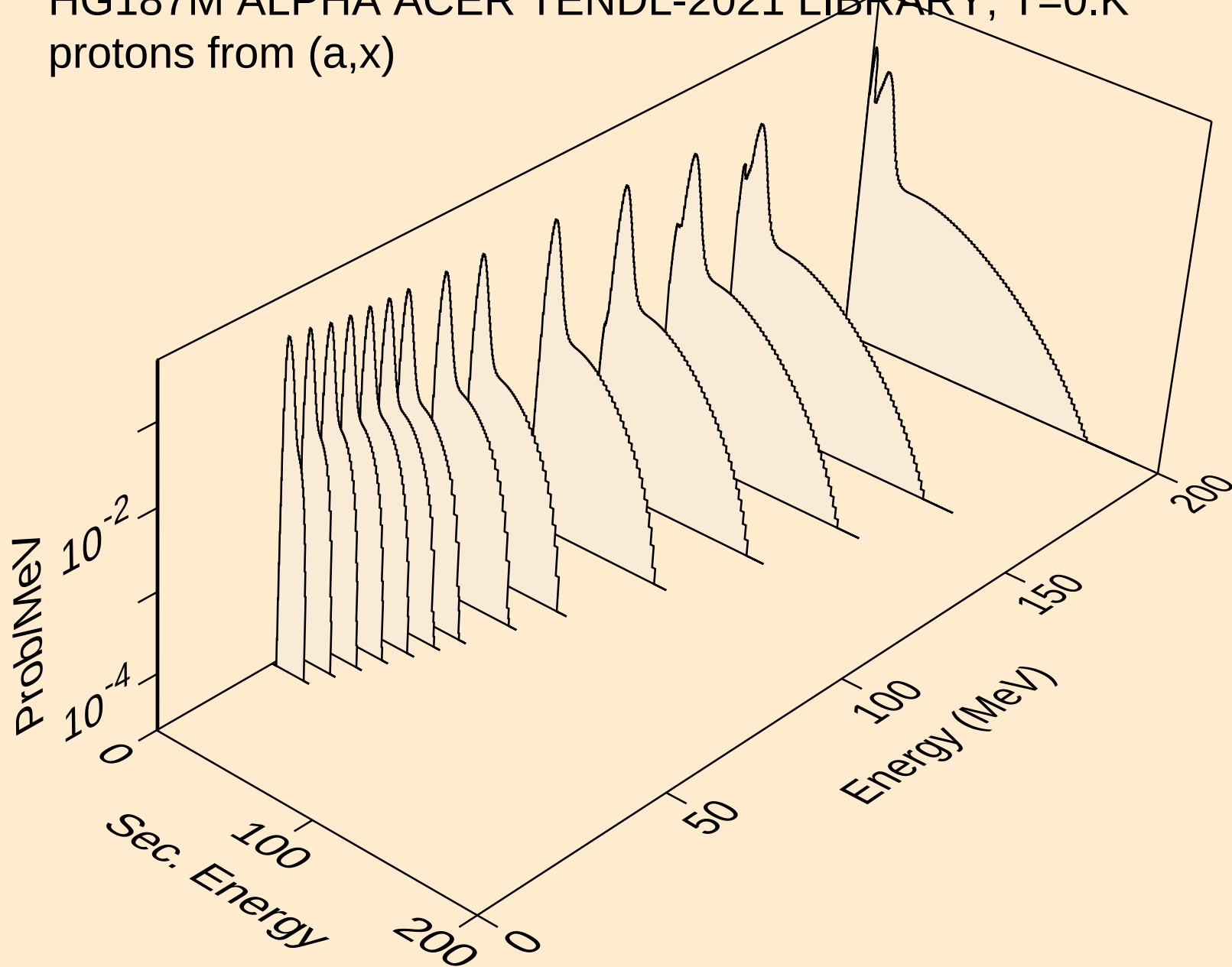
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neutrons from (a,2np)



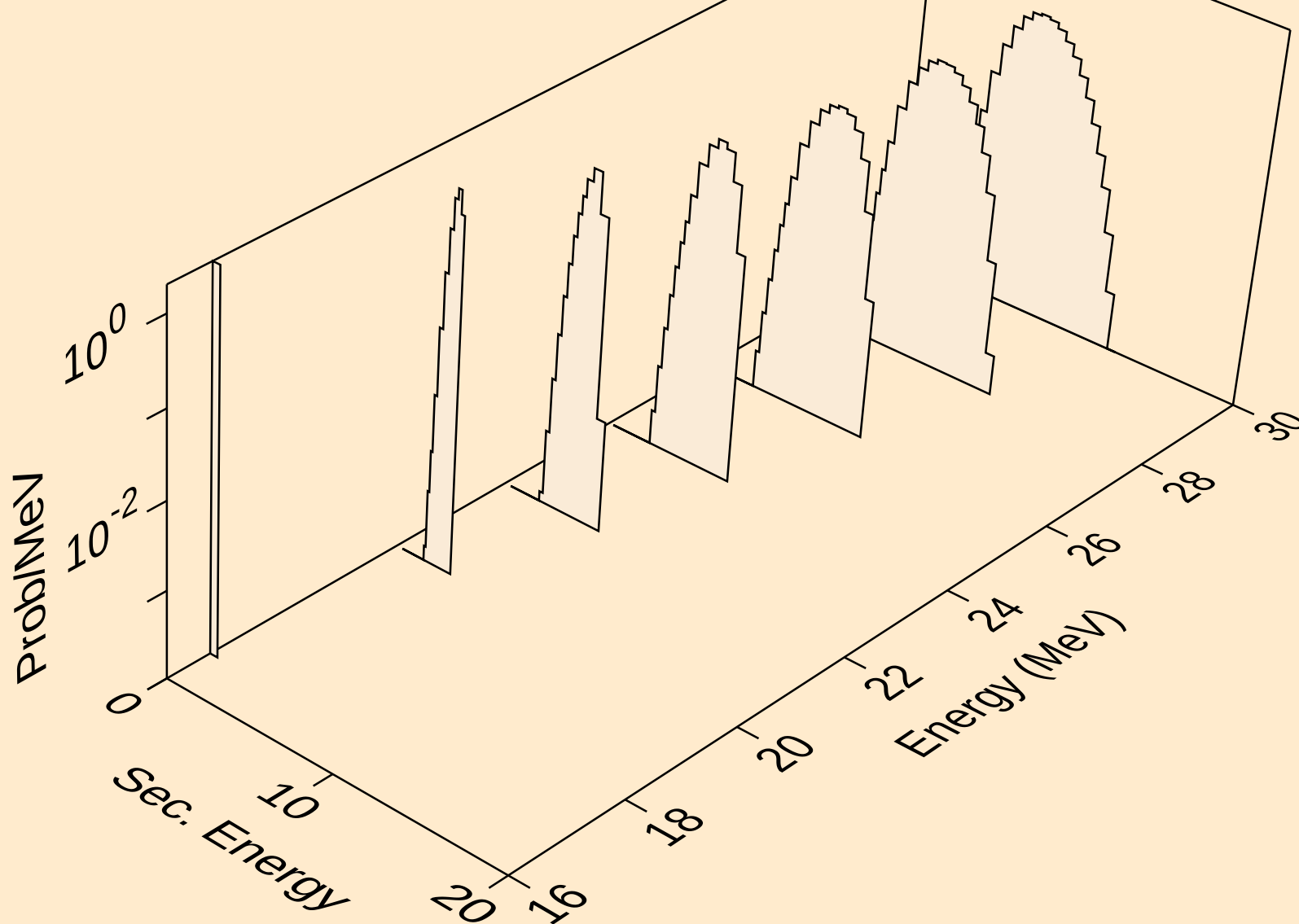
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neutrons from (a,npa)



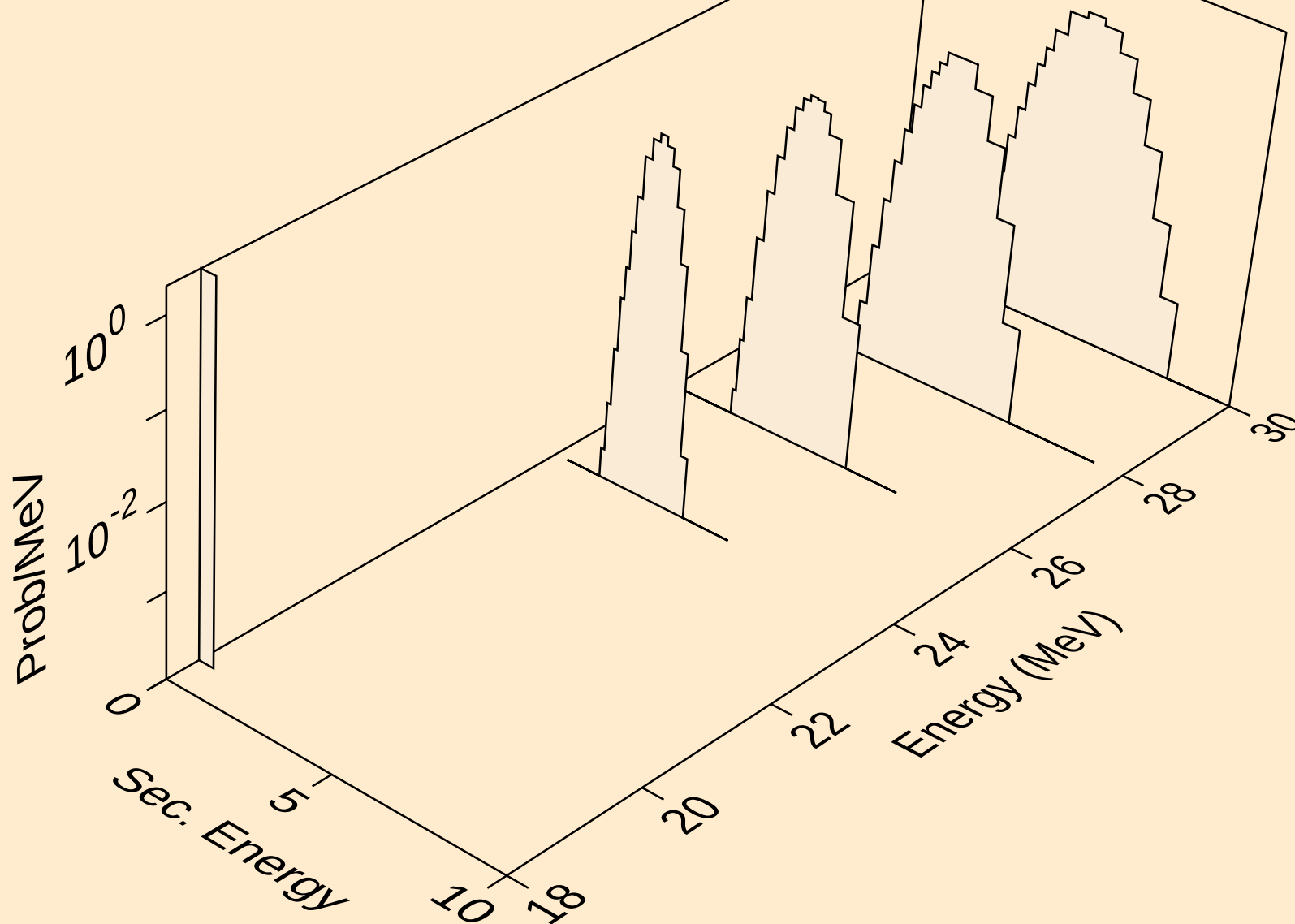
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protons from (a,x)



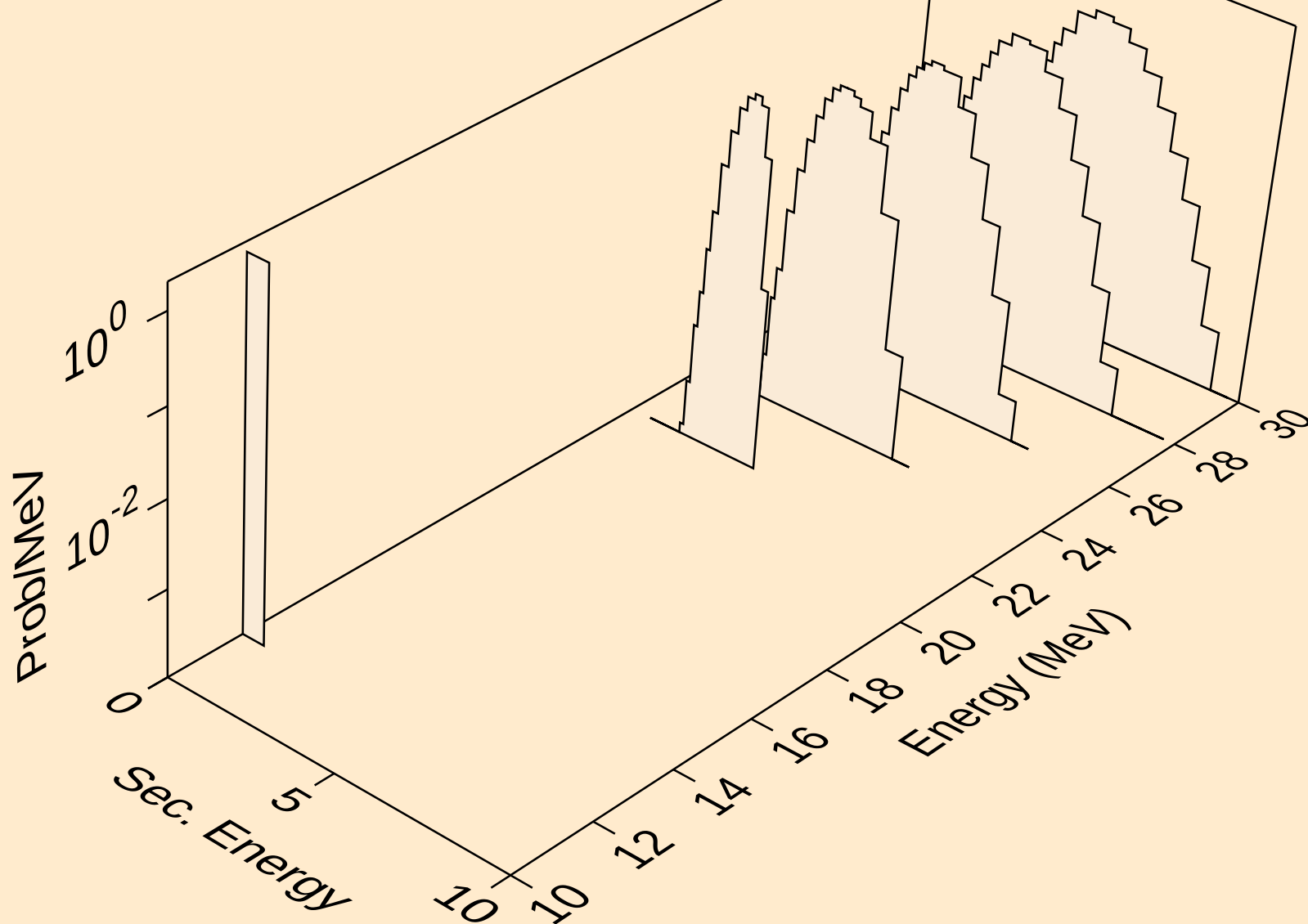
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protons from (a,n*)p



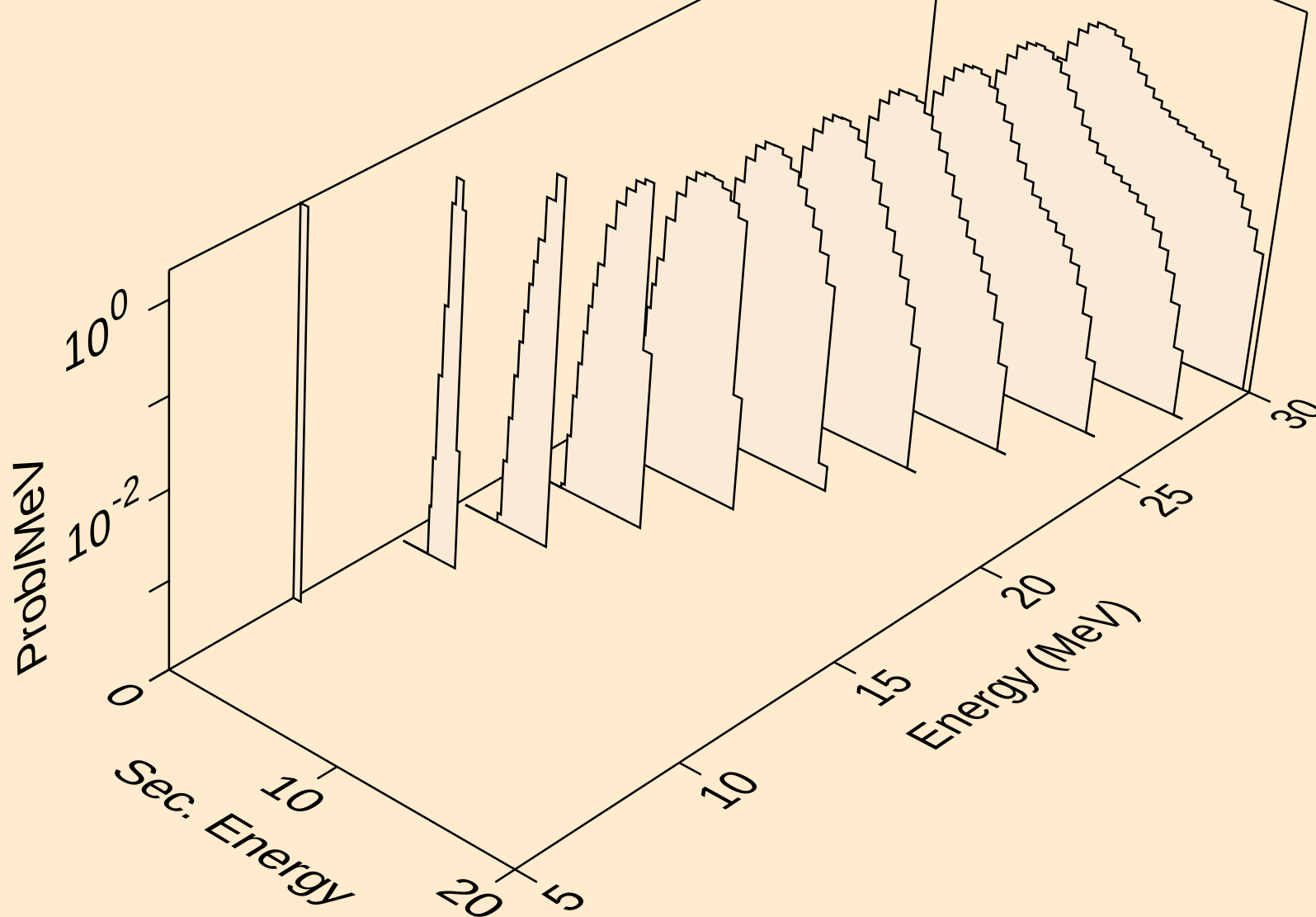
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protons from (a,2np)



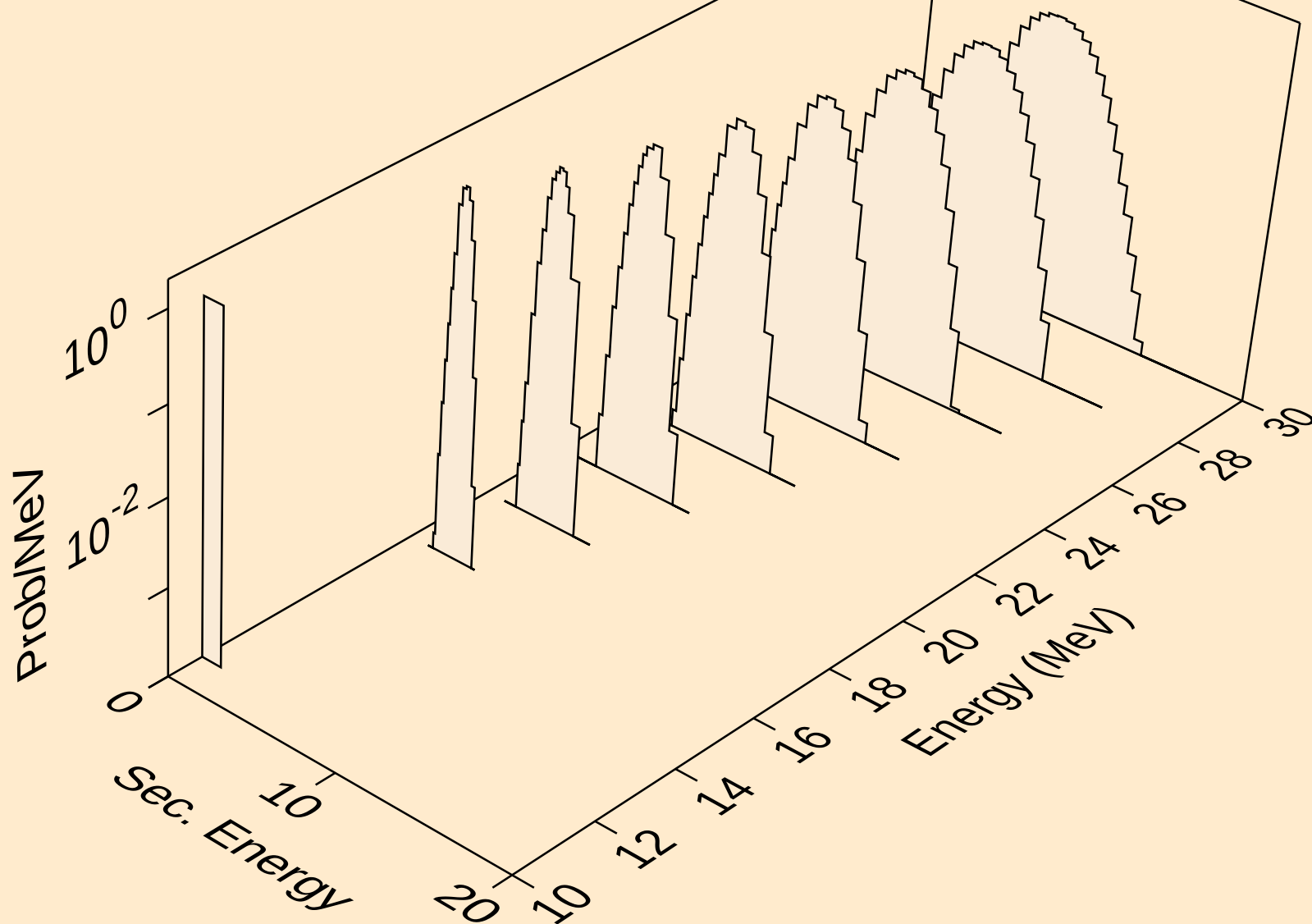
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protons from (a,npa)



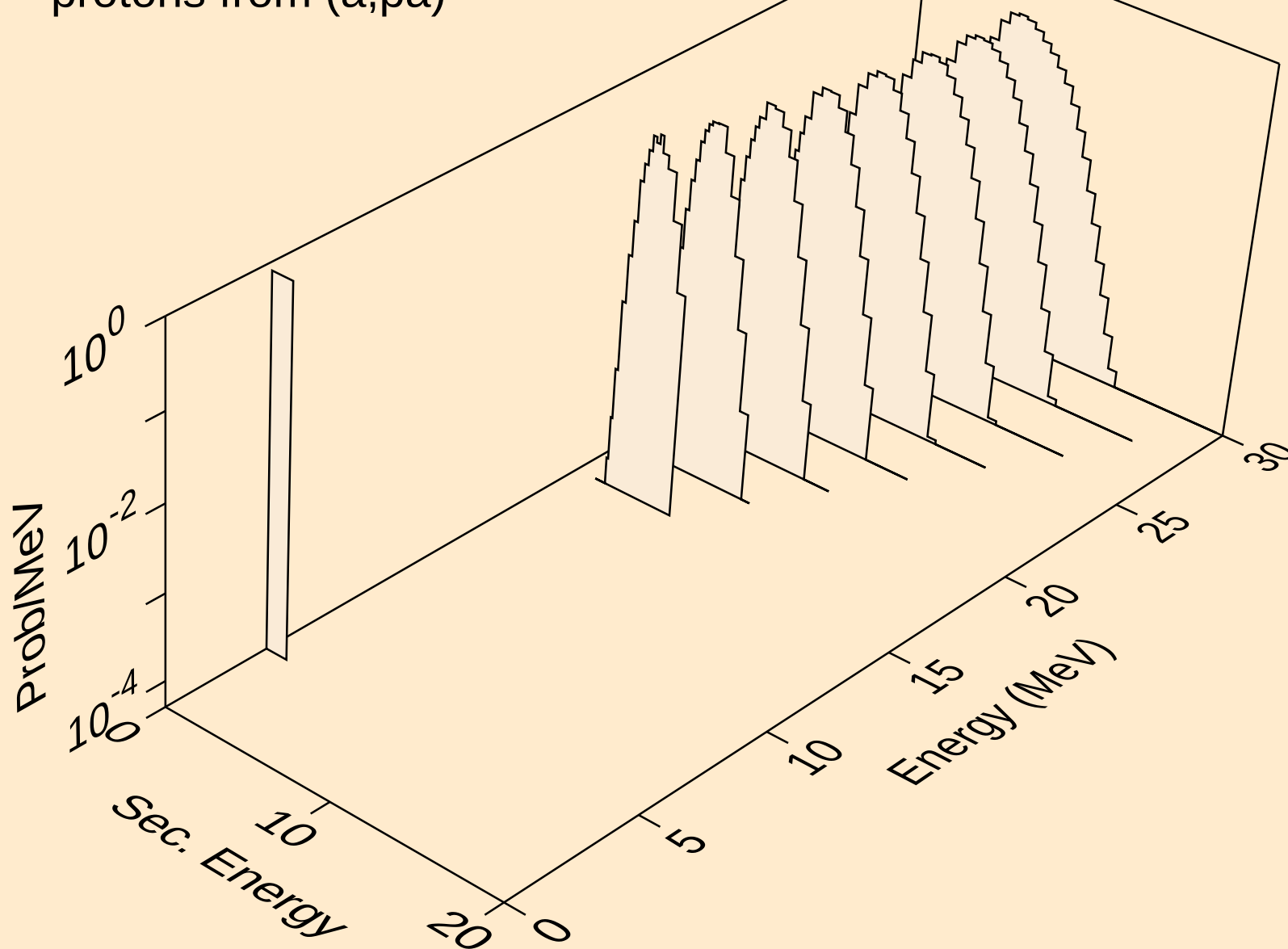
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protons from (a,p)



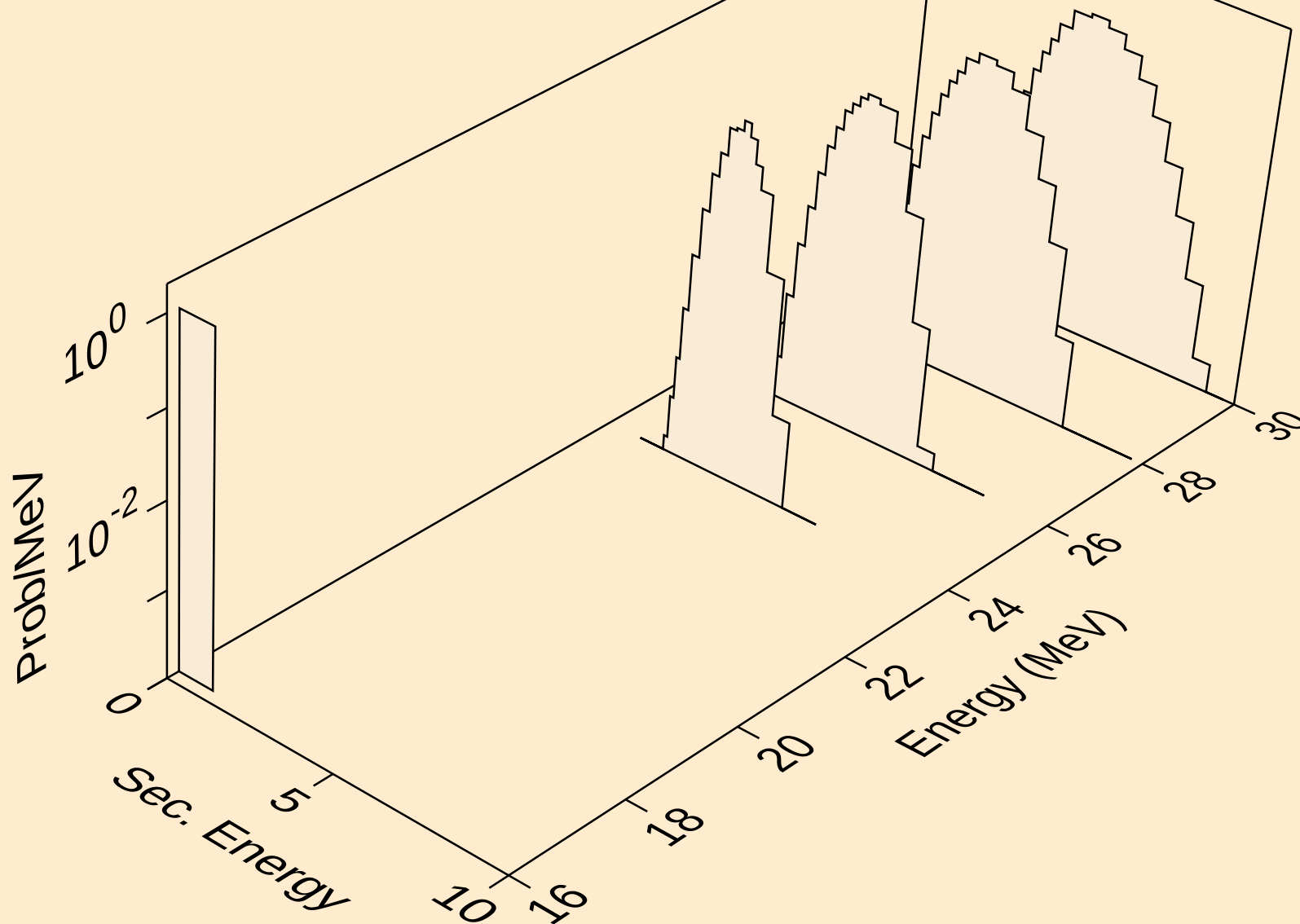
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protons from (a,2p)



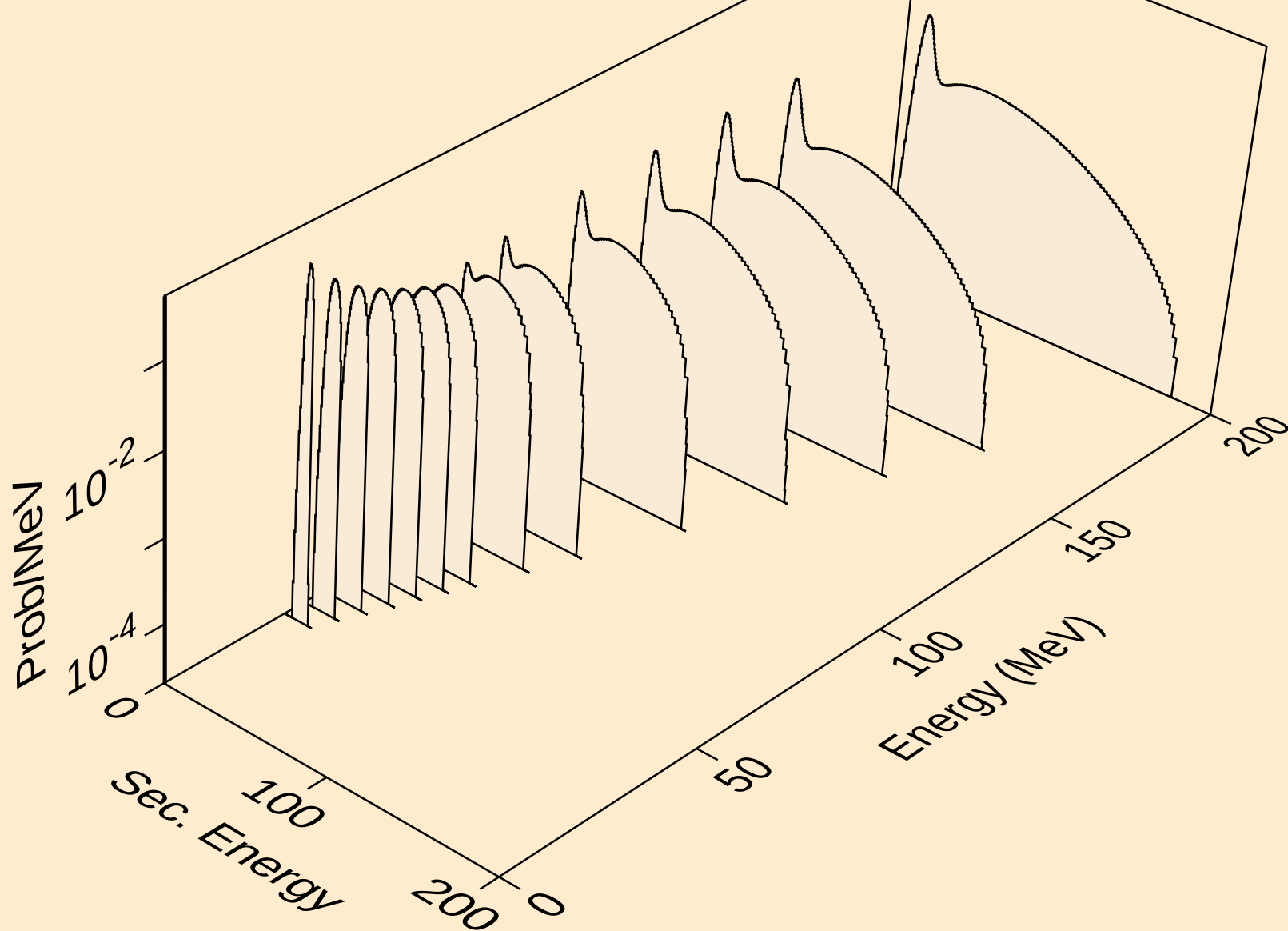
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protons from (a,pa)



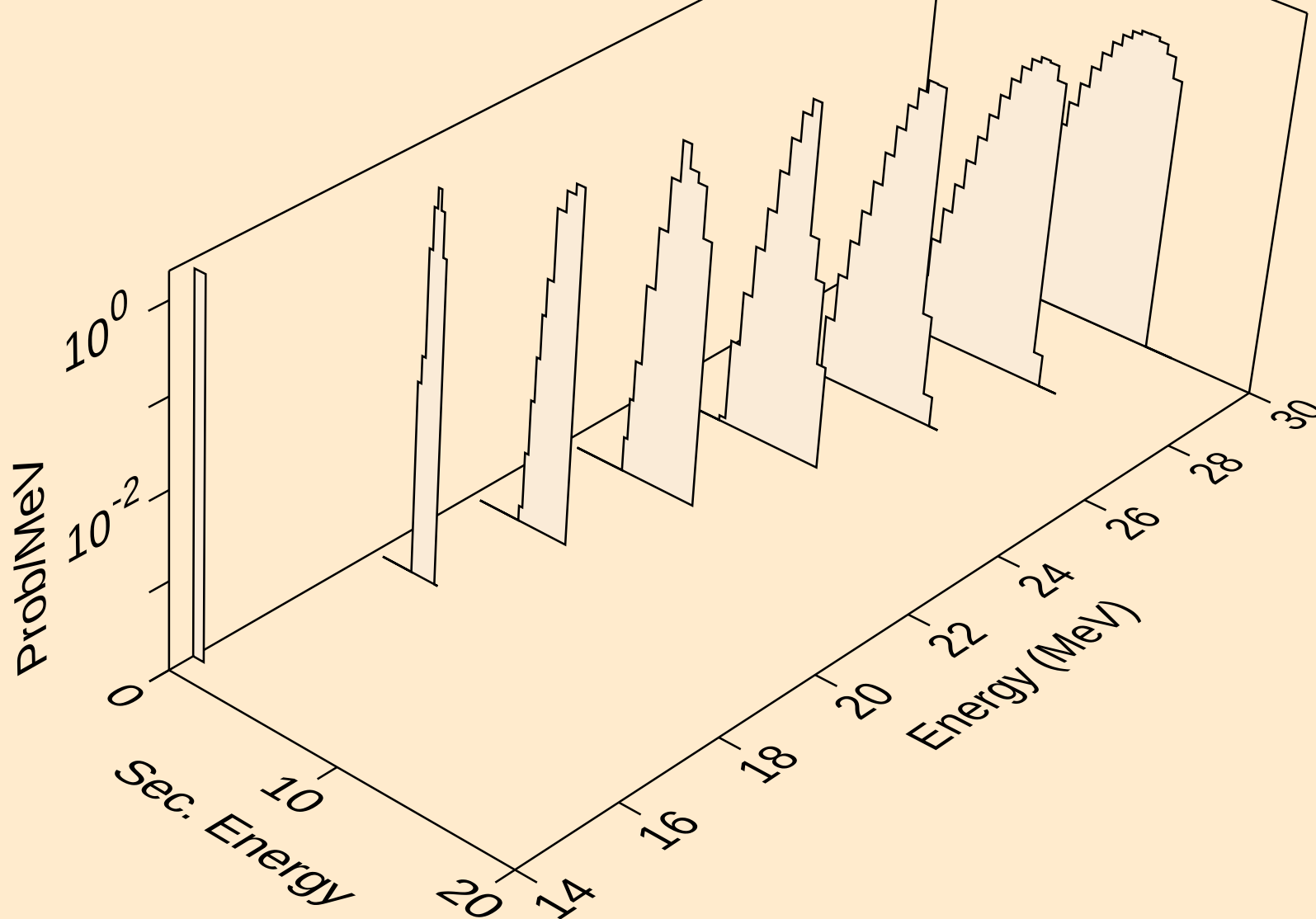
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,pd)



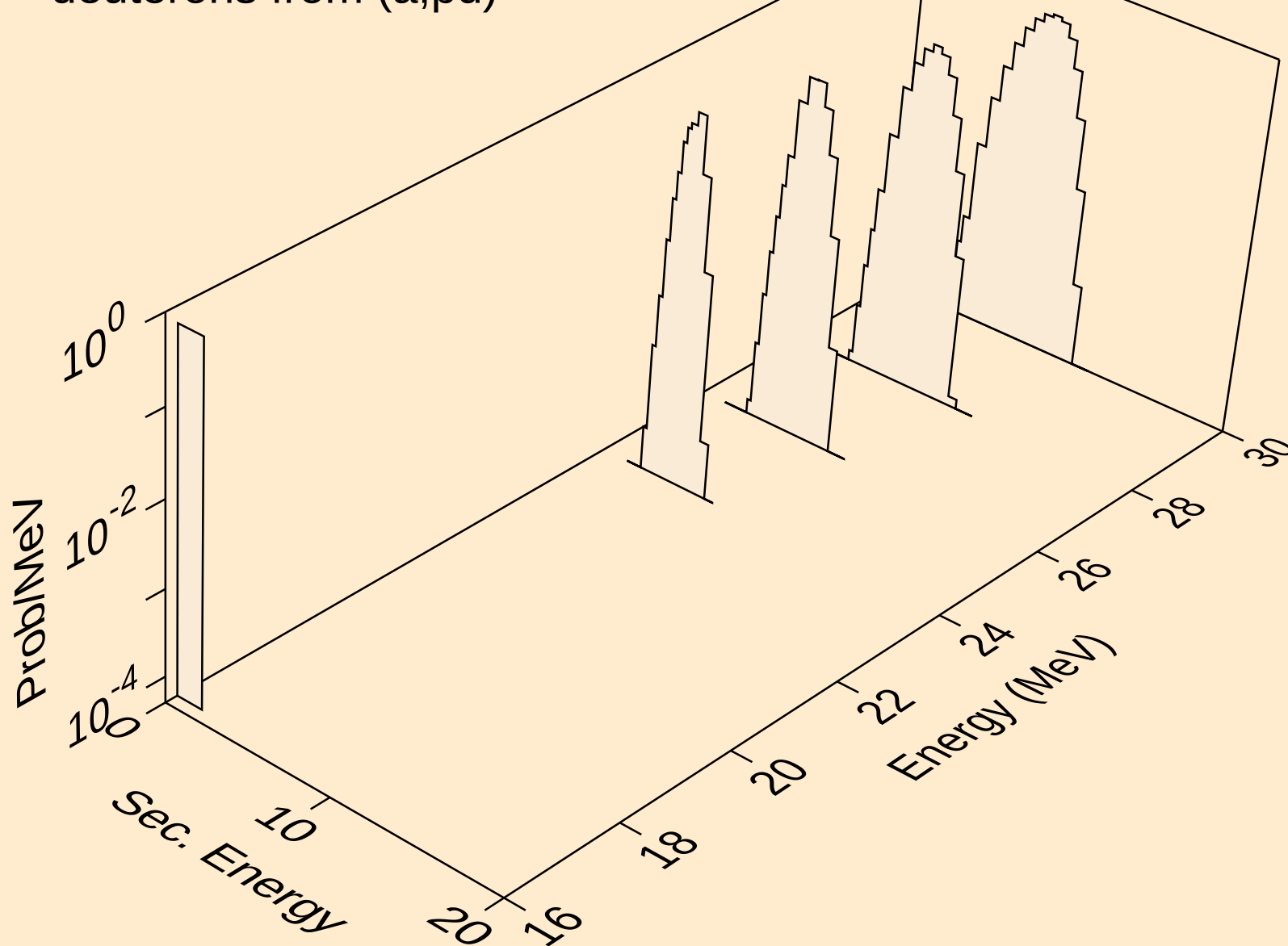
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,x)



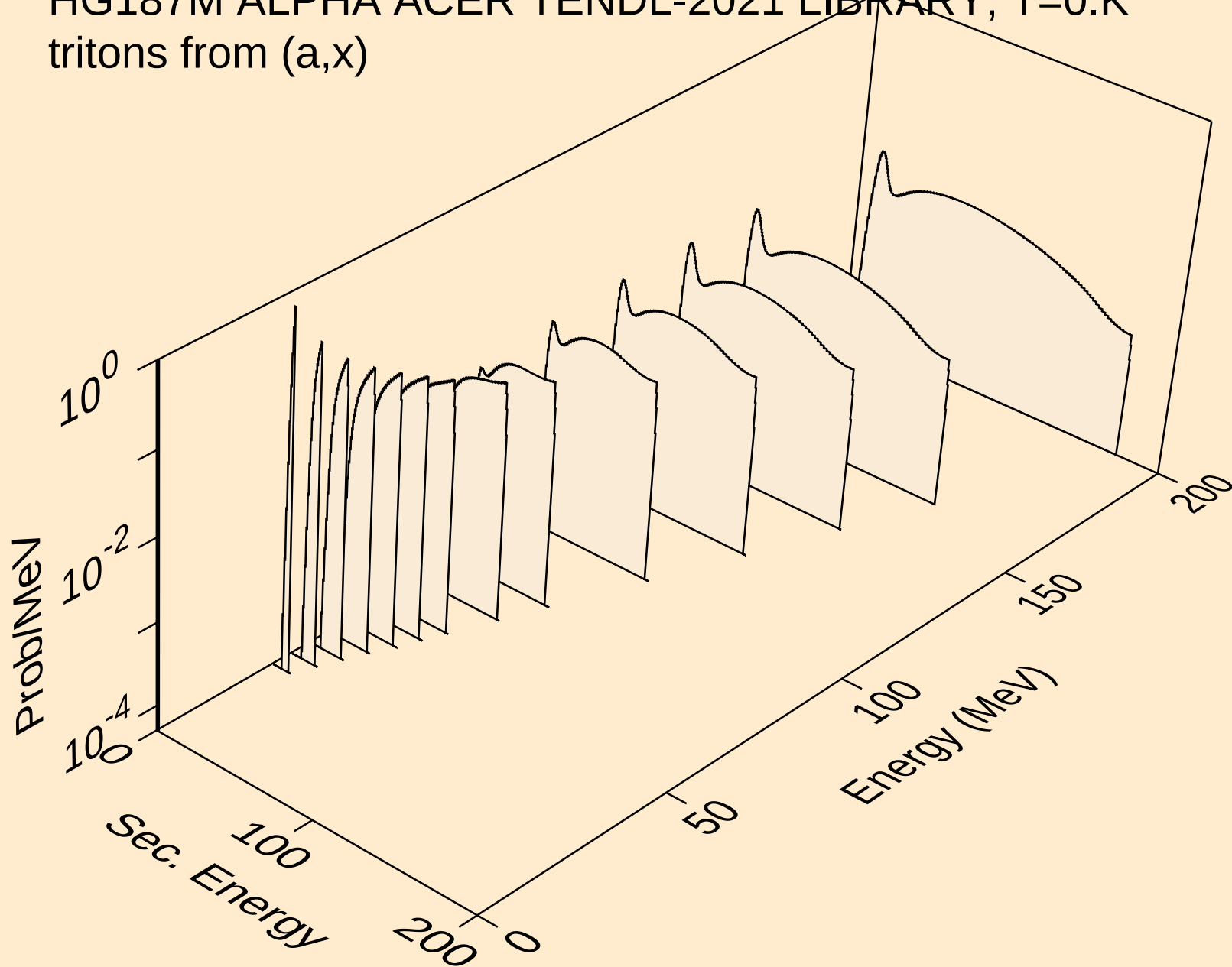
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)



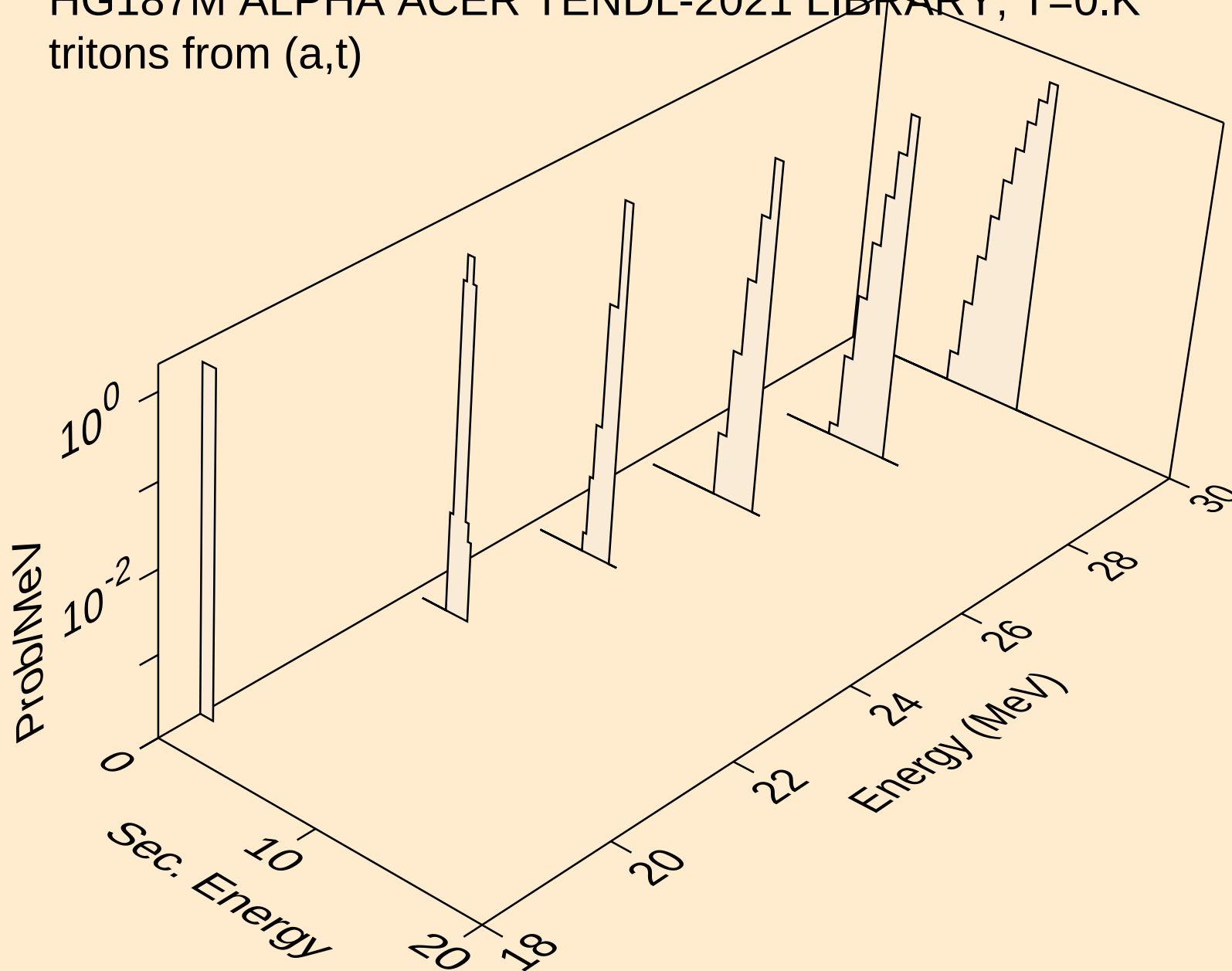
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,pd)



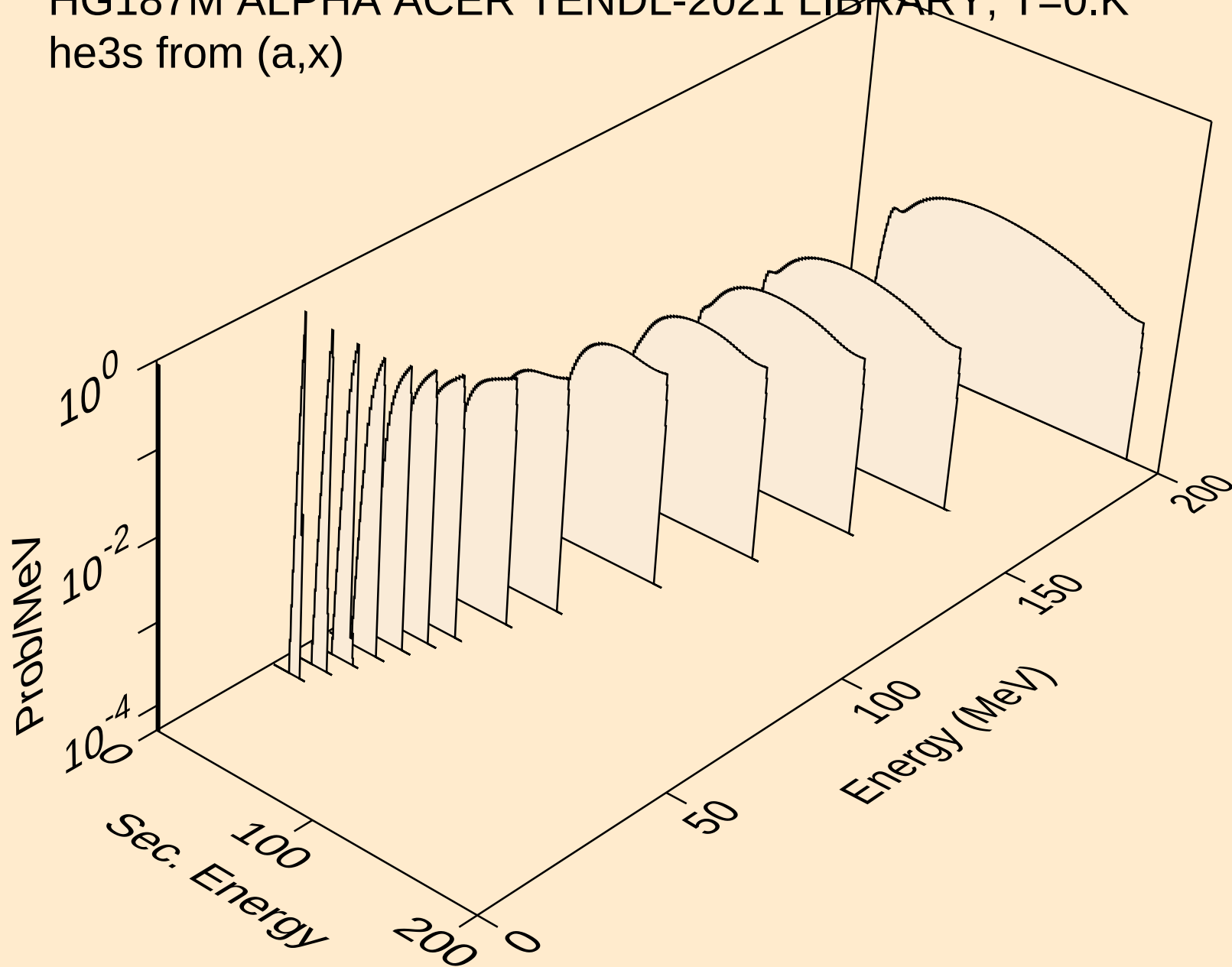
HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)



HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)



HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)



HG187M ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,he3)

