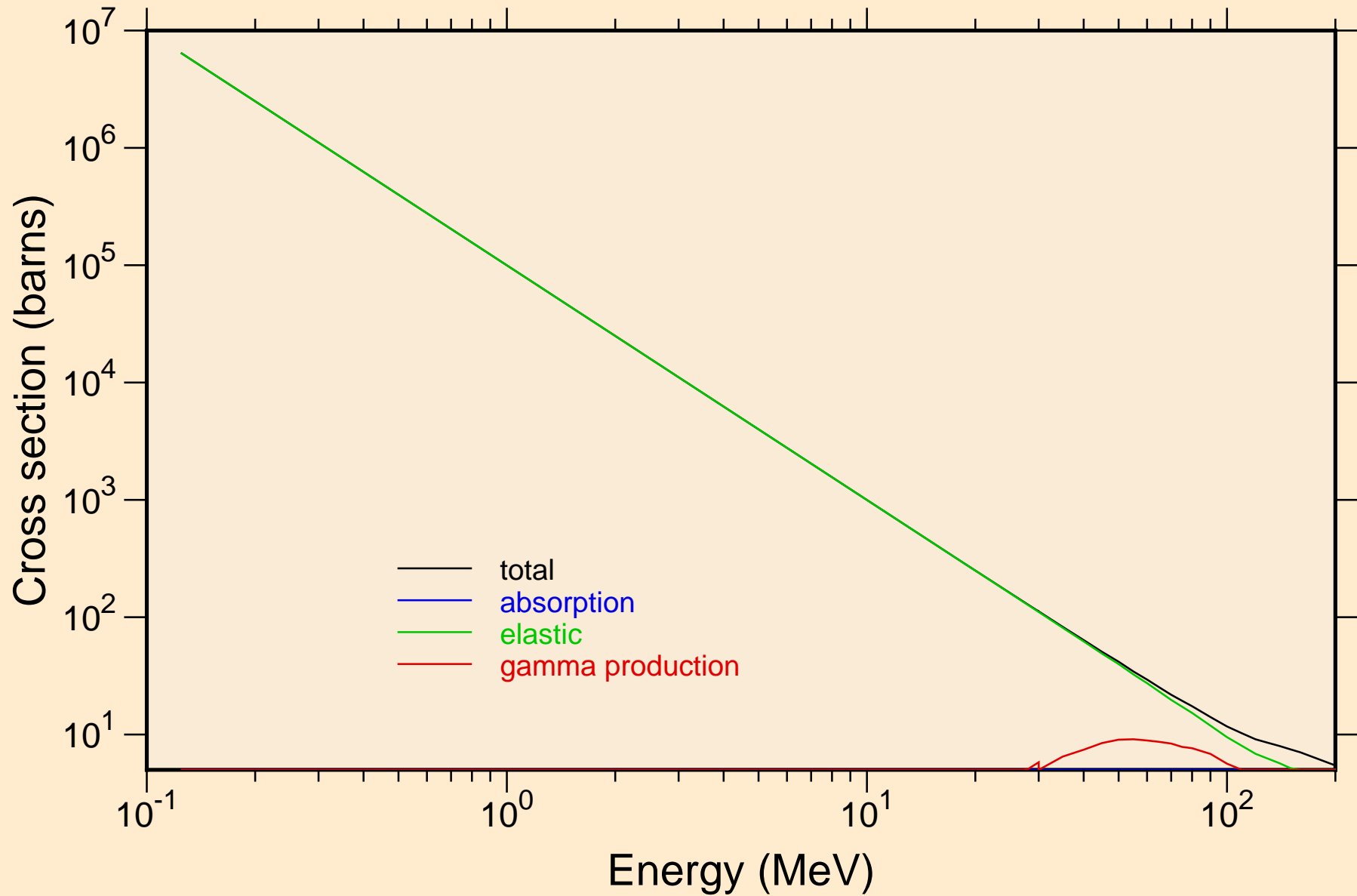


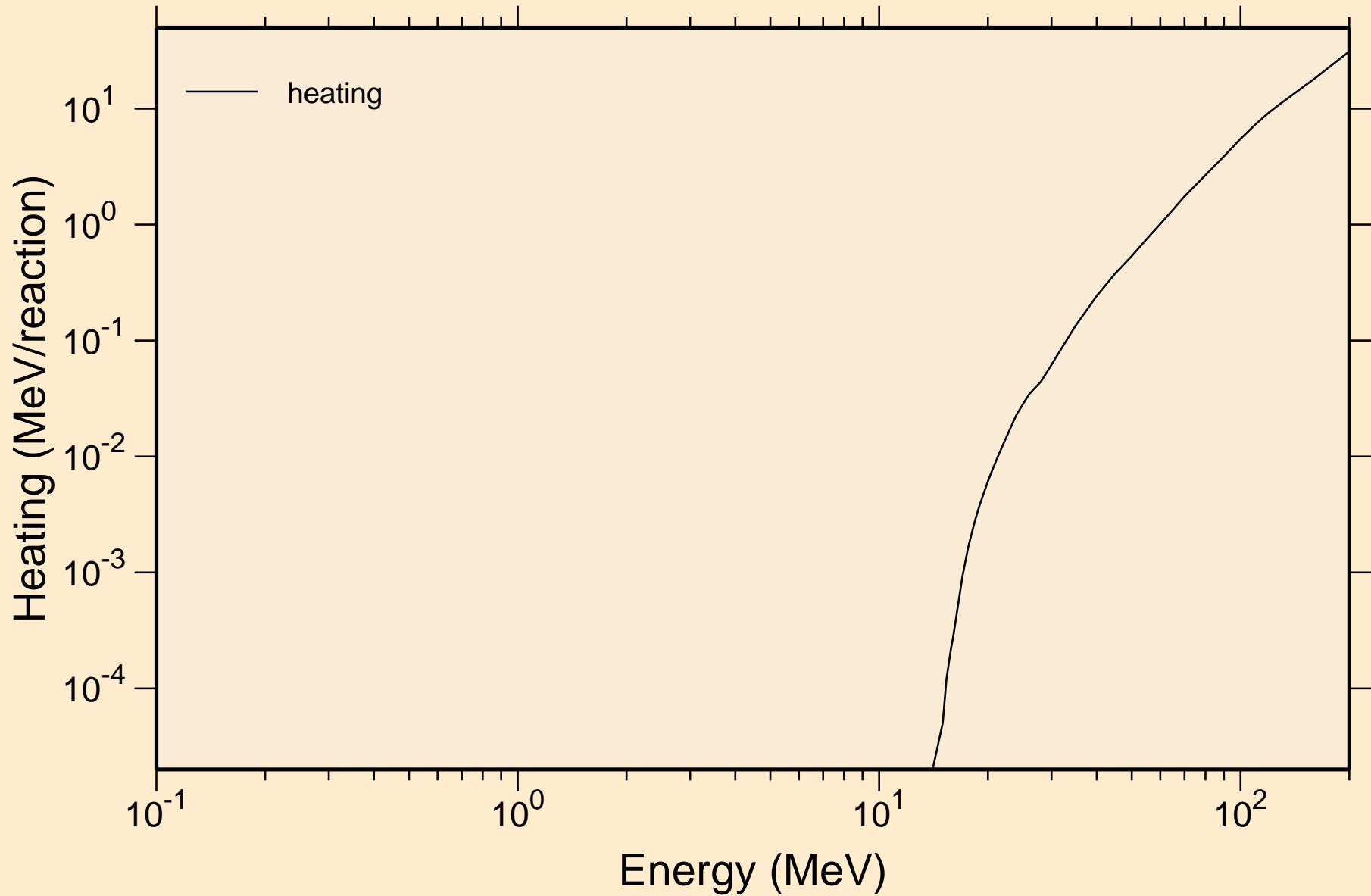
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



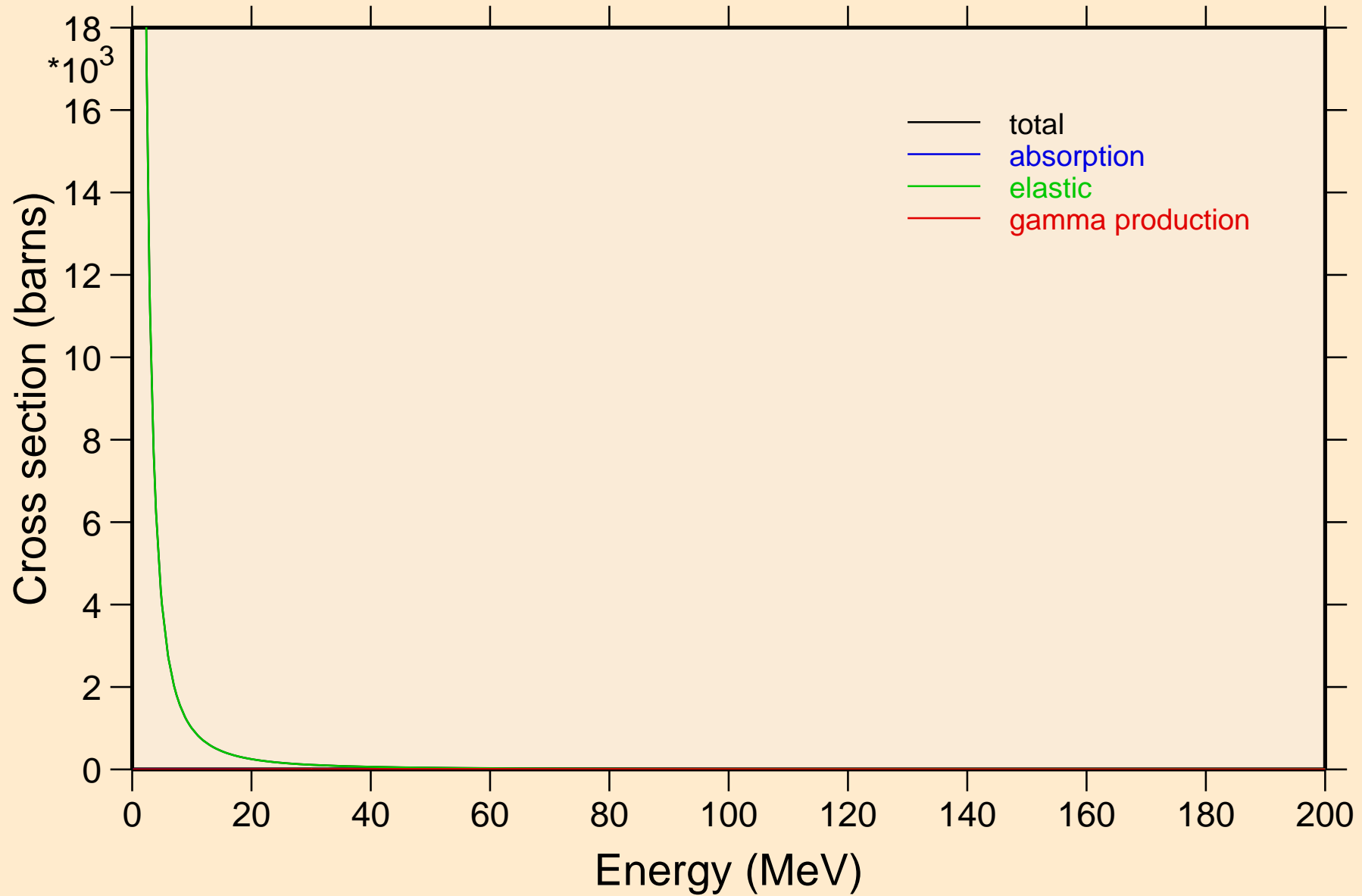
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



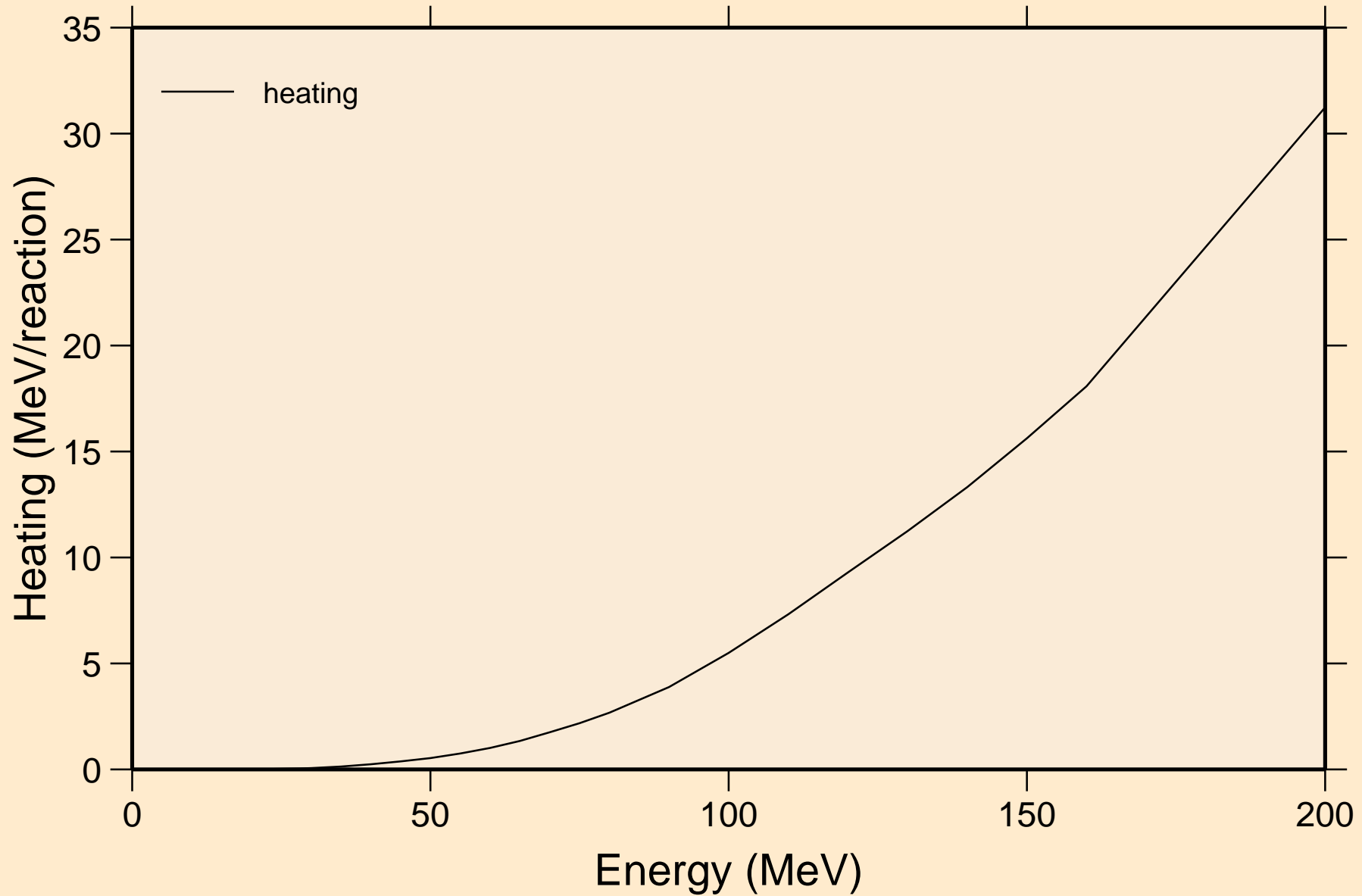
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Principal cross sections

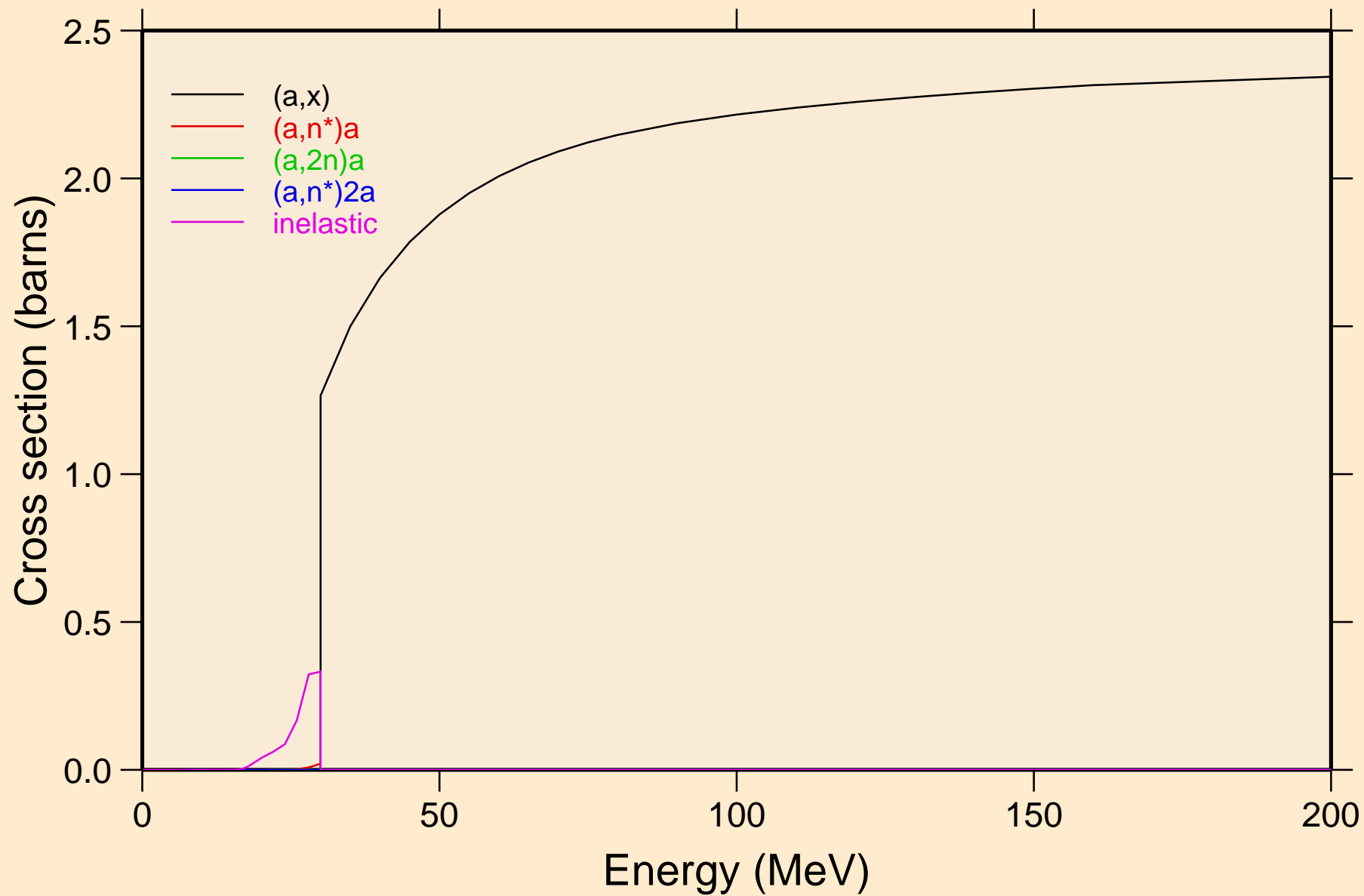


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

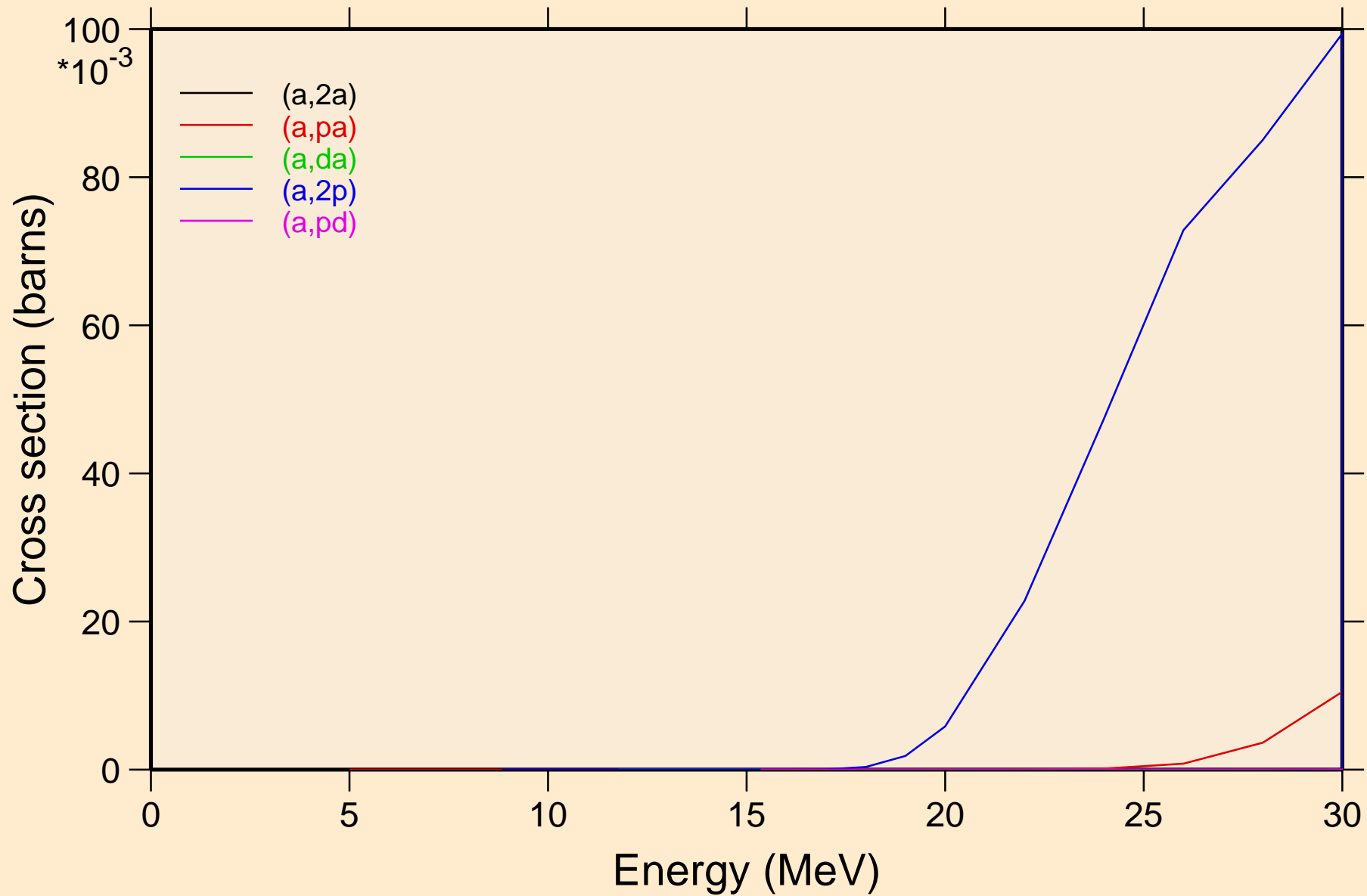
Heating



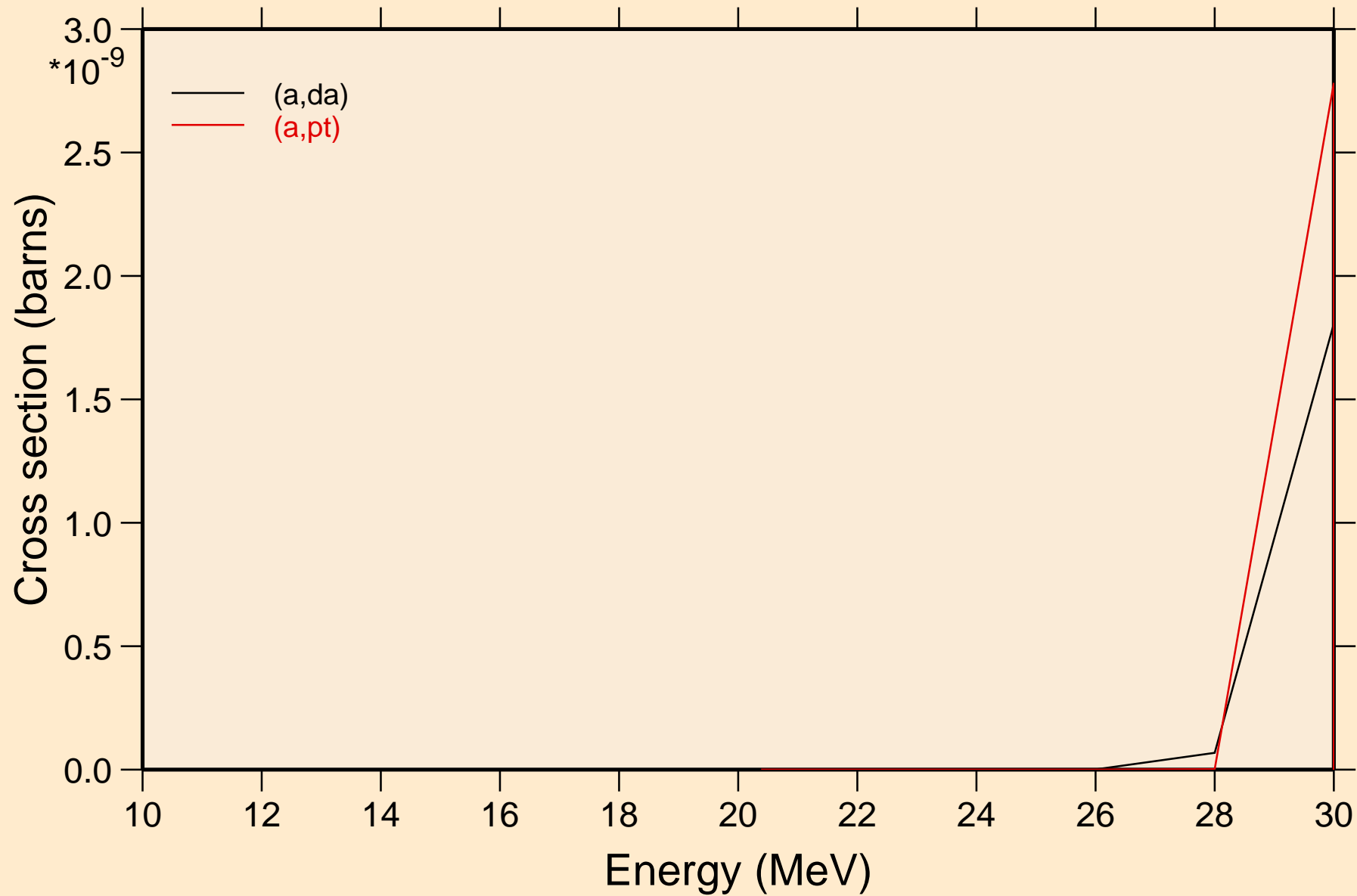
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



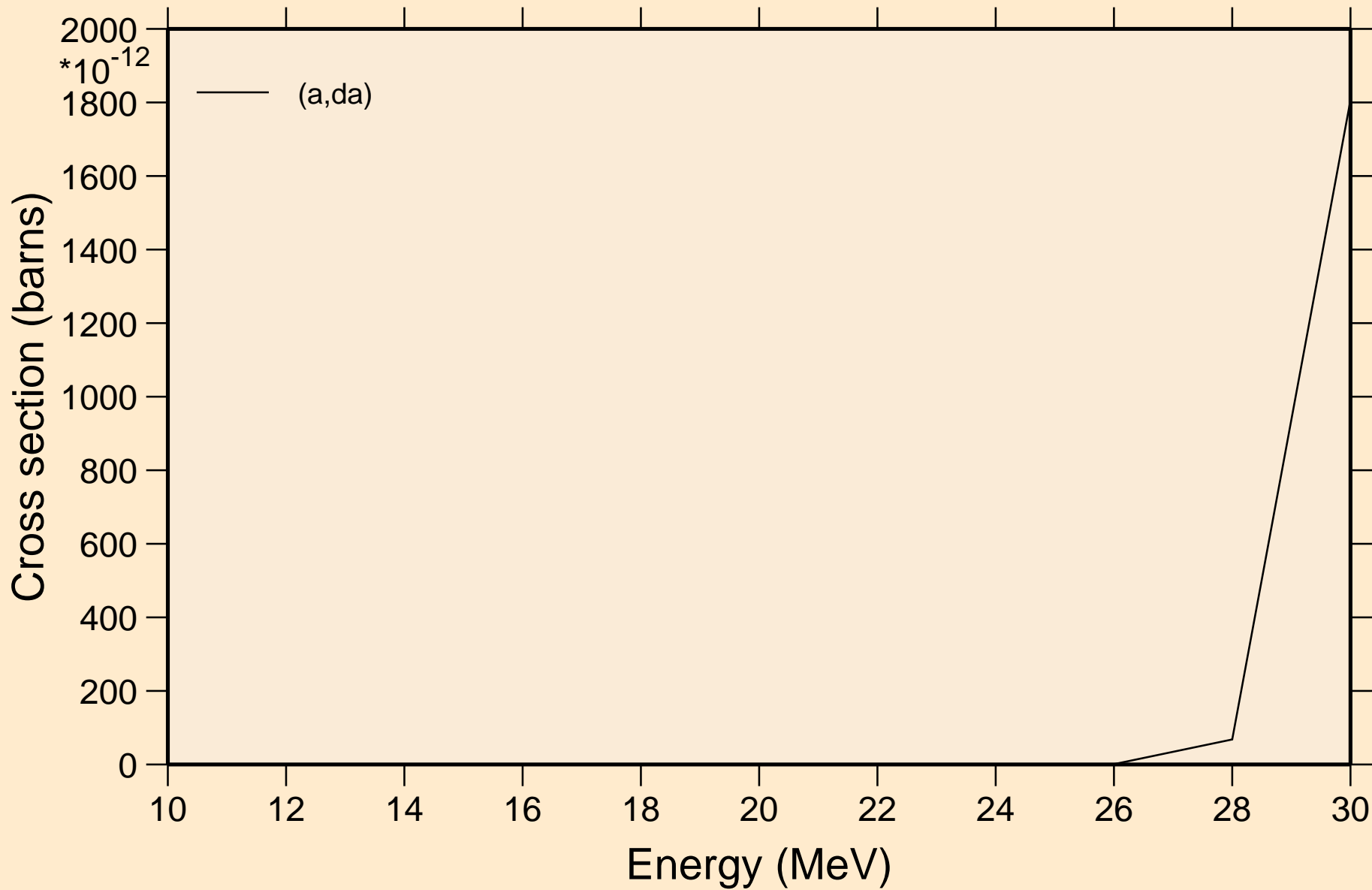
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



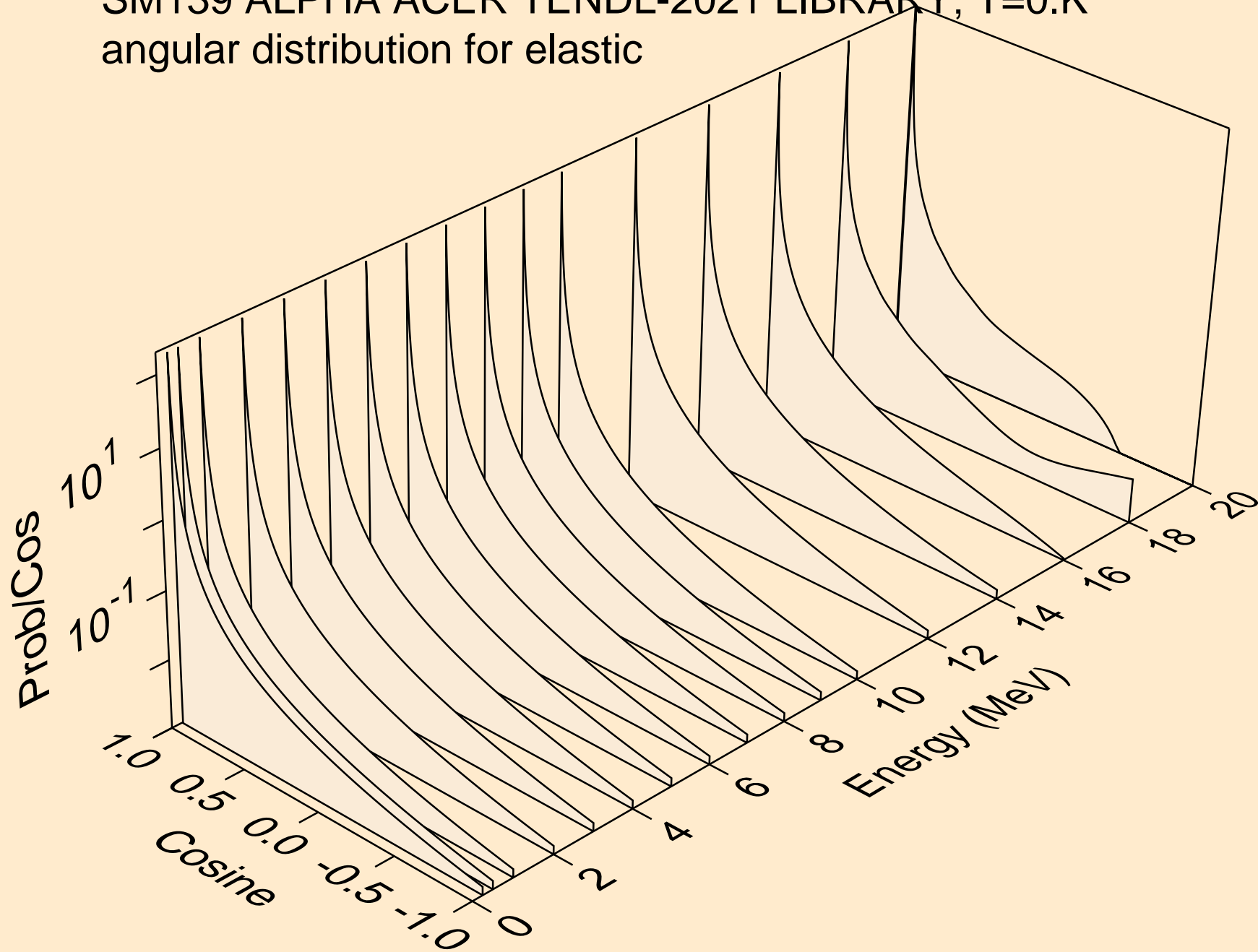
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



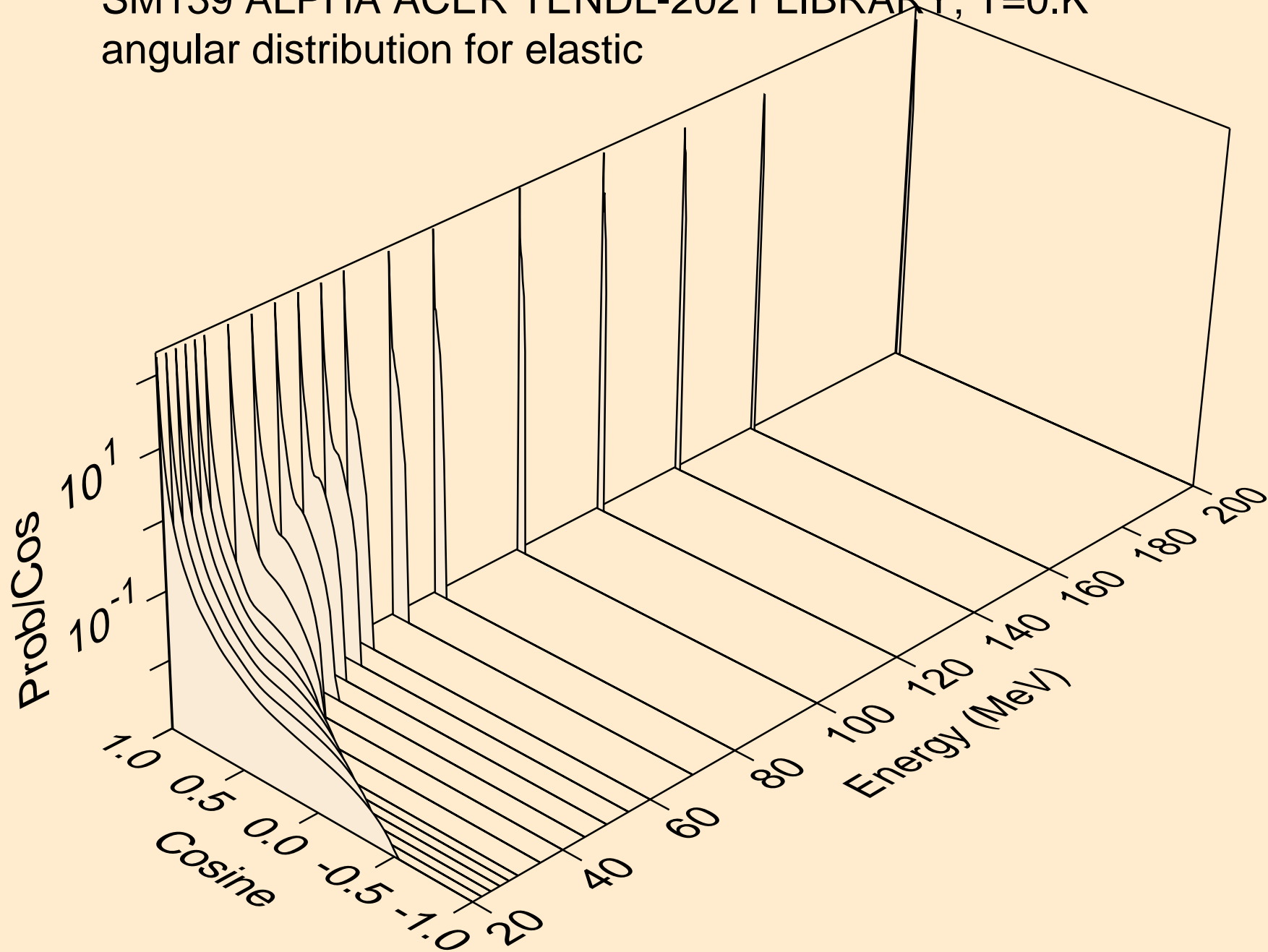
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



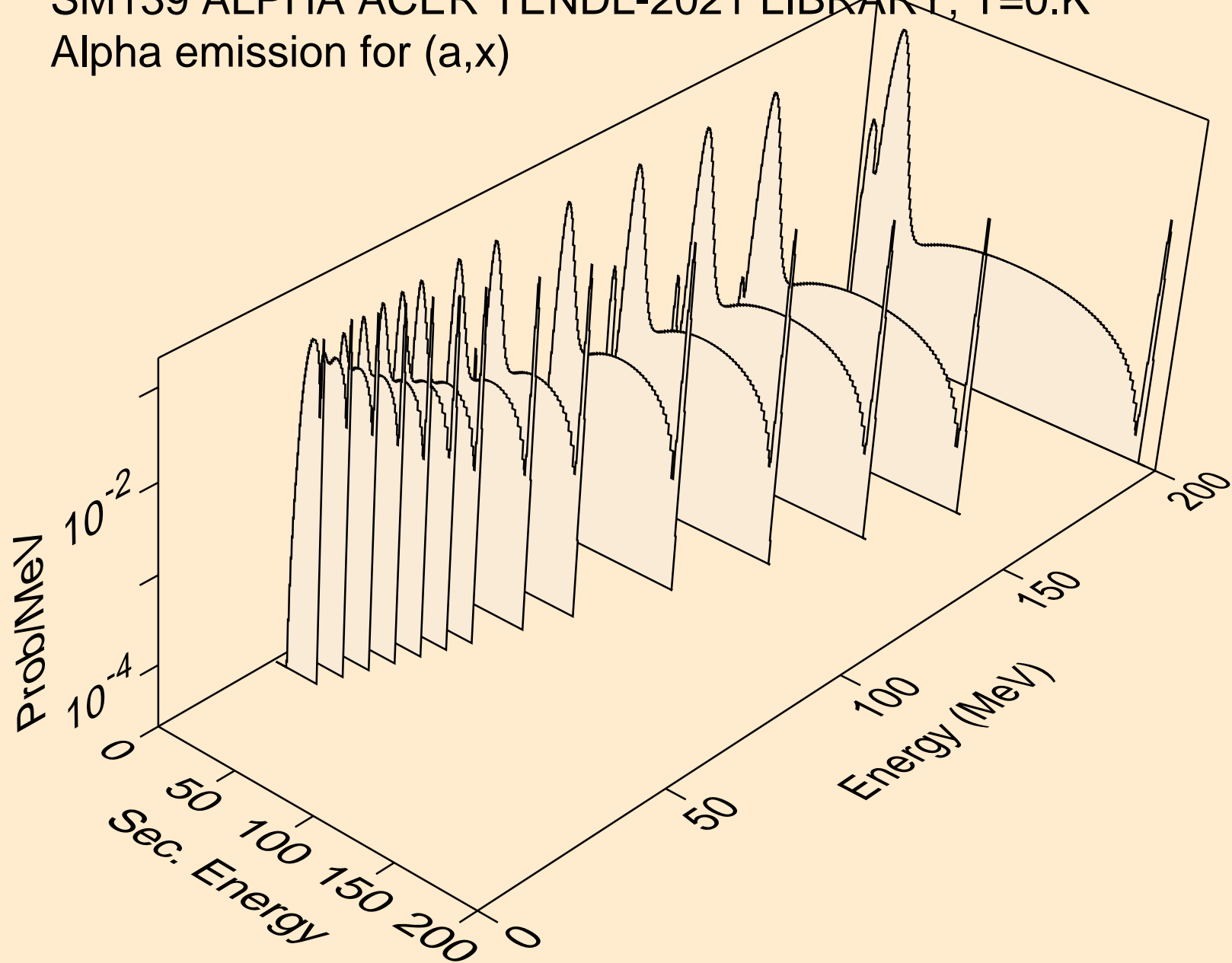
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



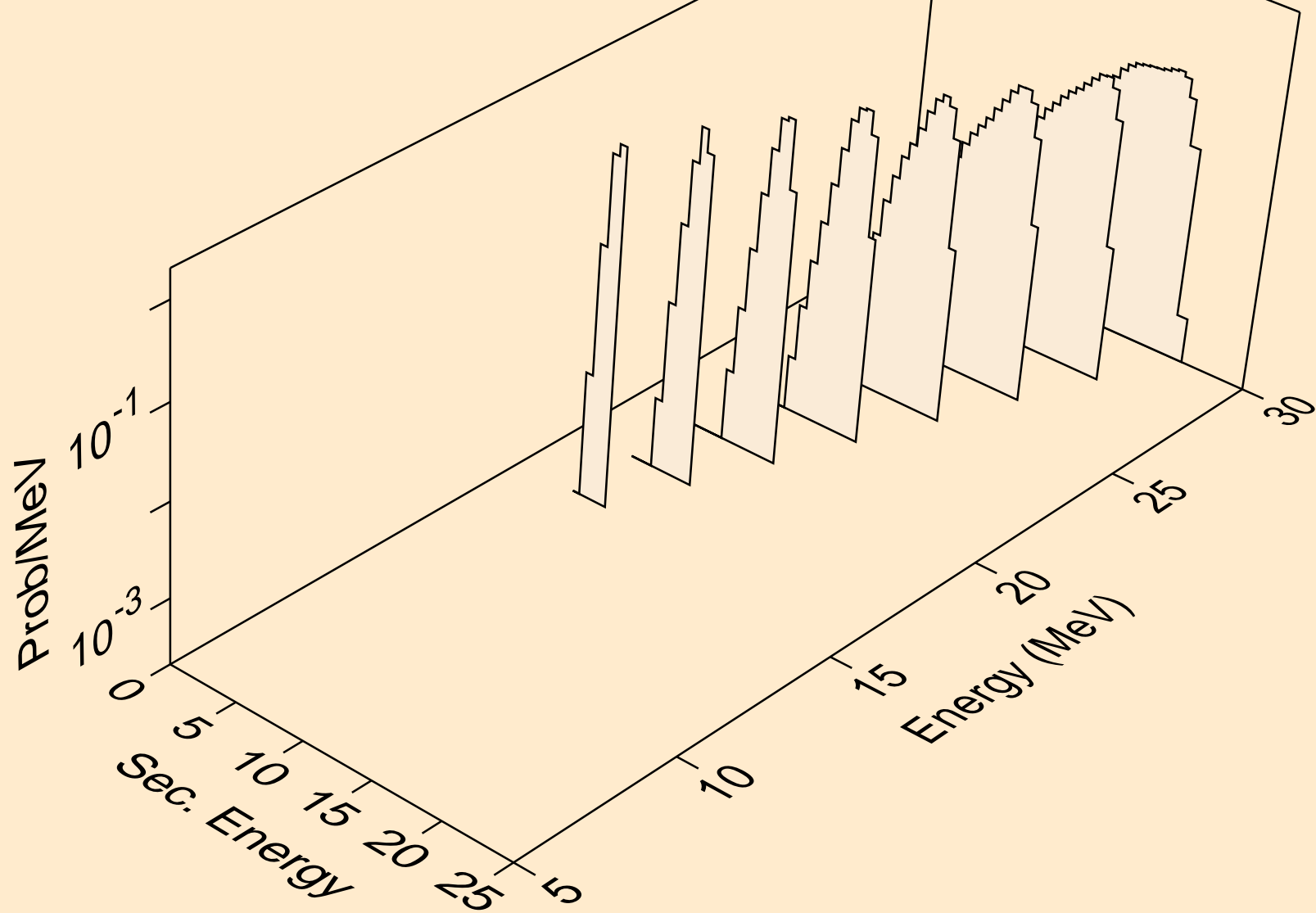
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,x)

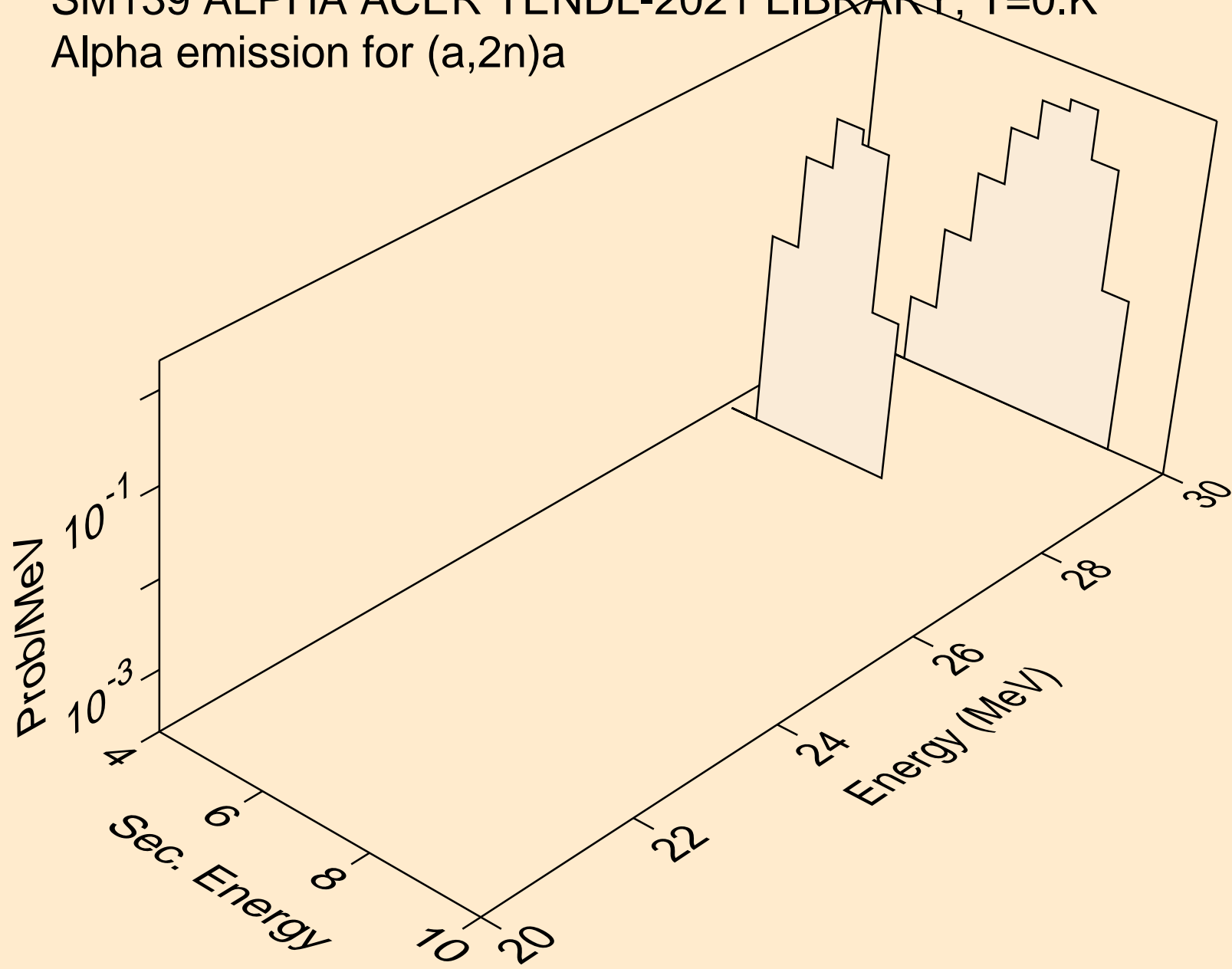


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)a

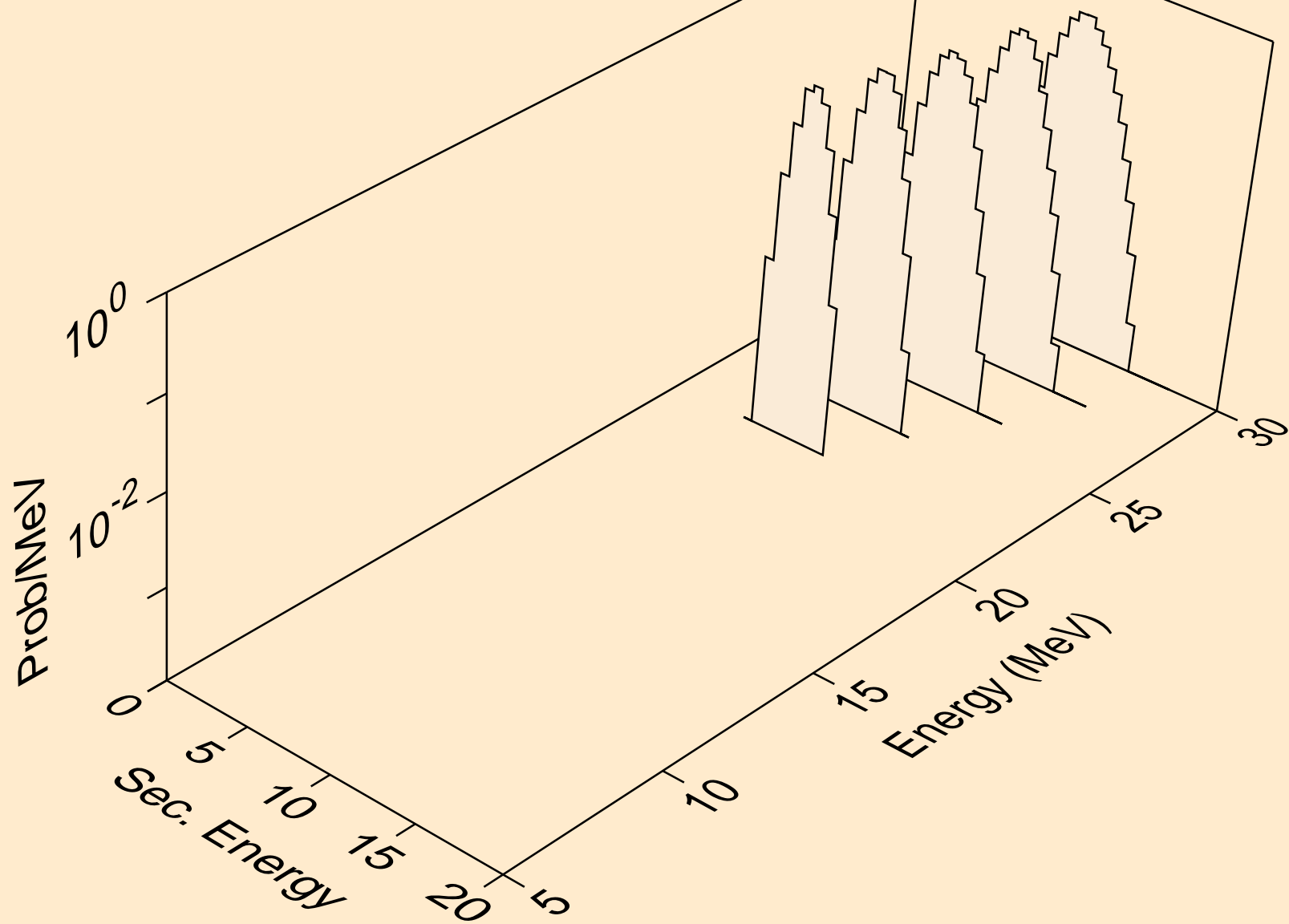


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

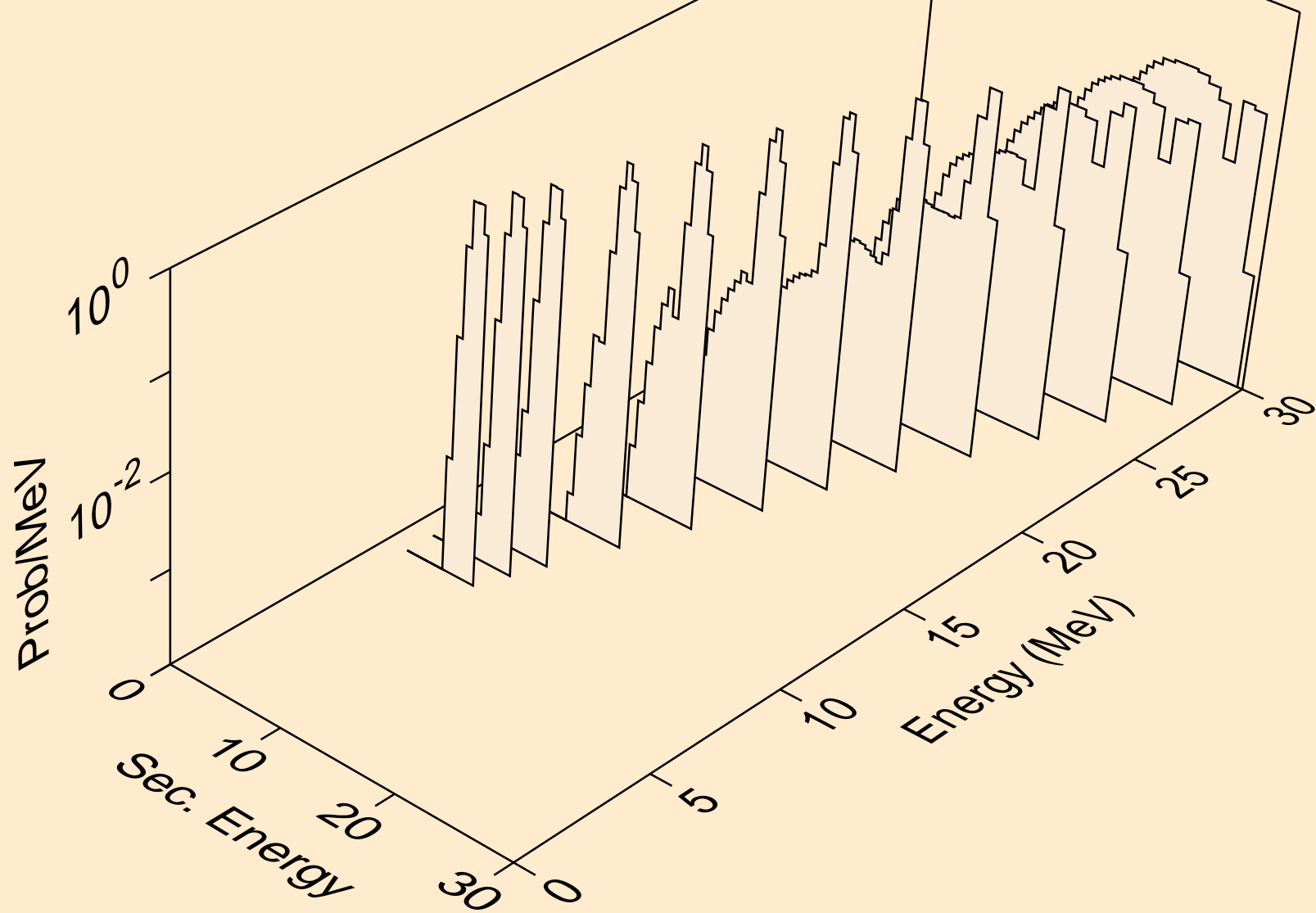
Alpha emission for (a,2n)a



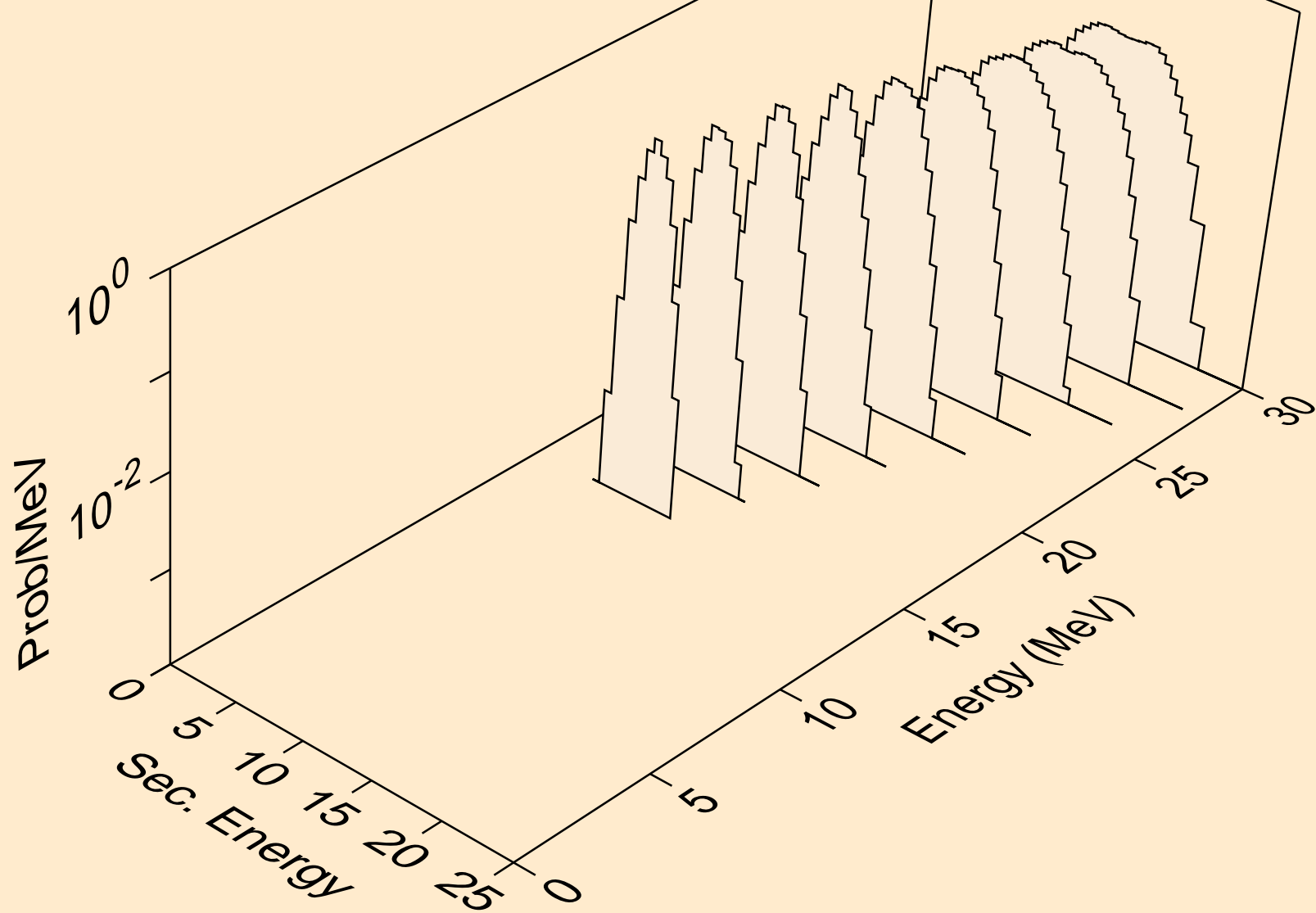
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)2a



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for inelastic

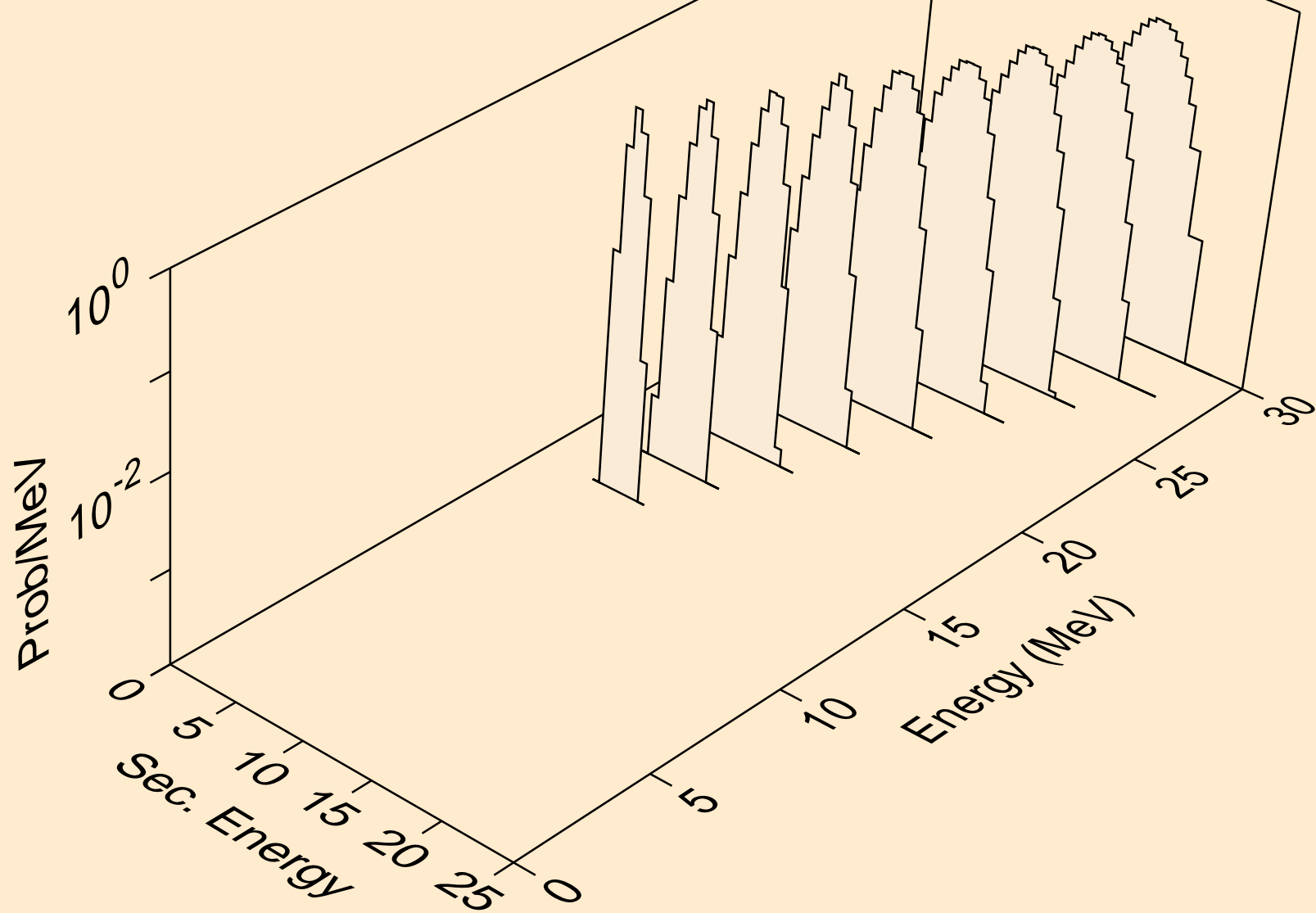


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2a)

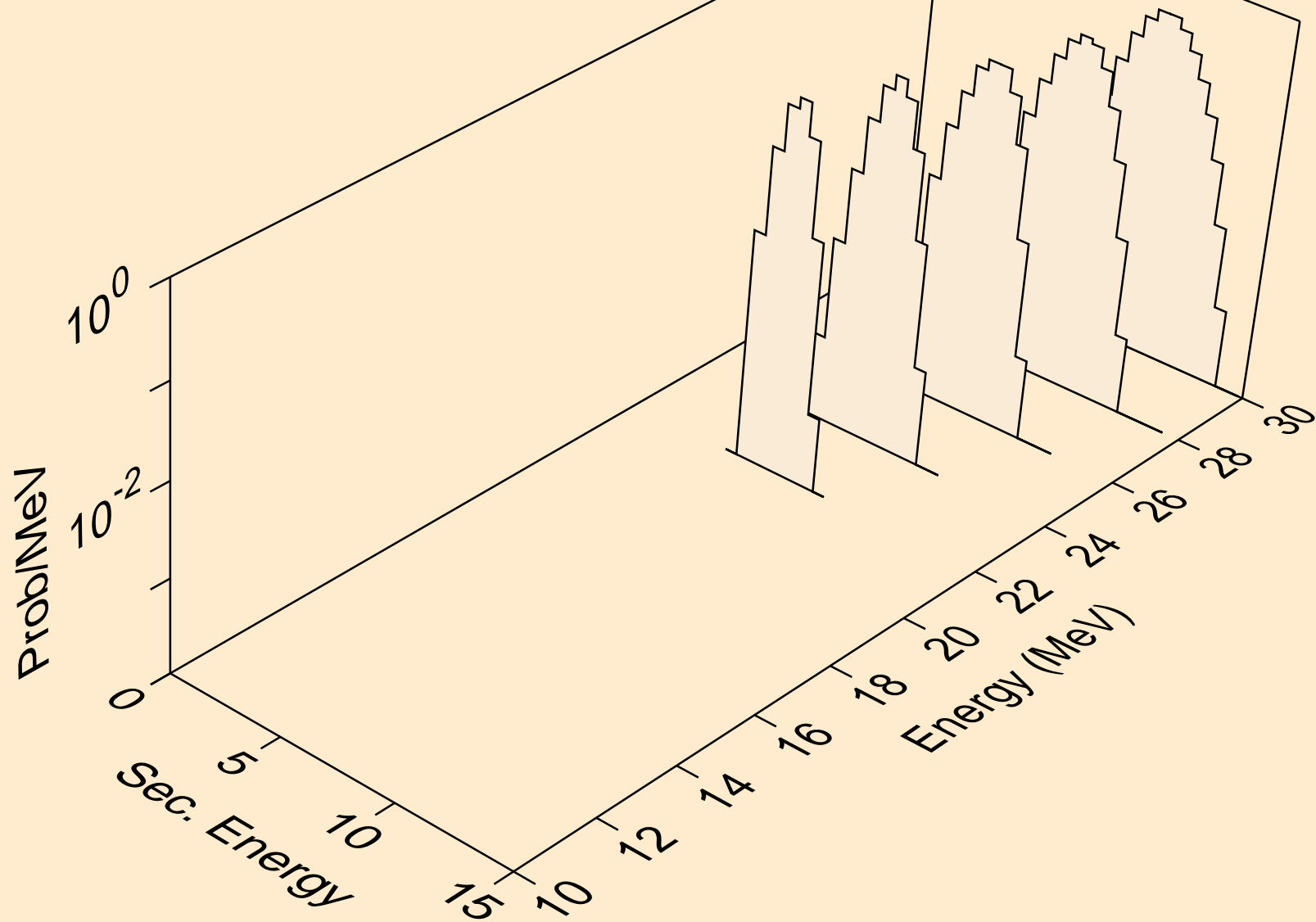


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

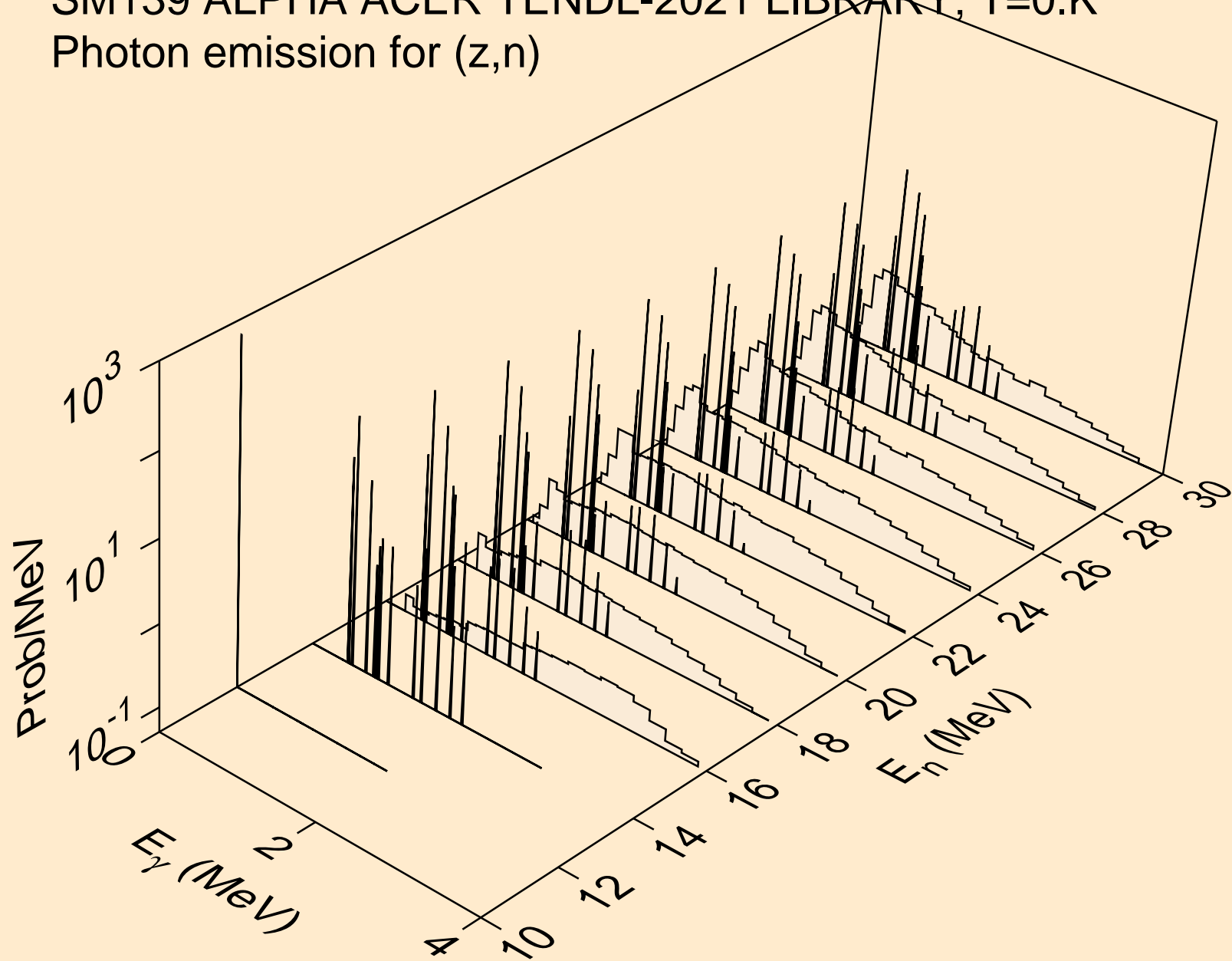
Alpha emission for (a,pa)



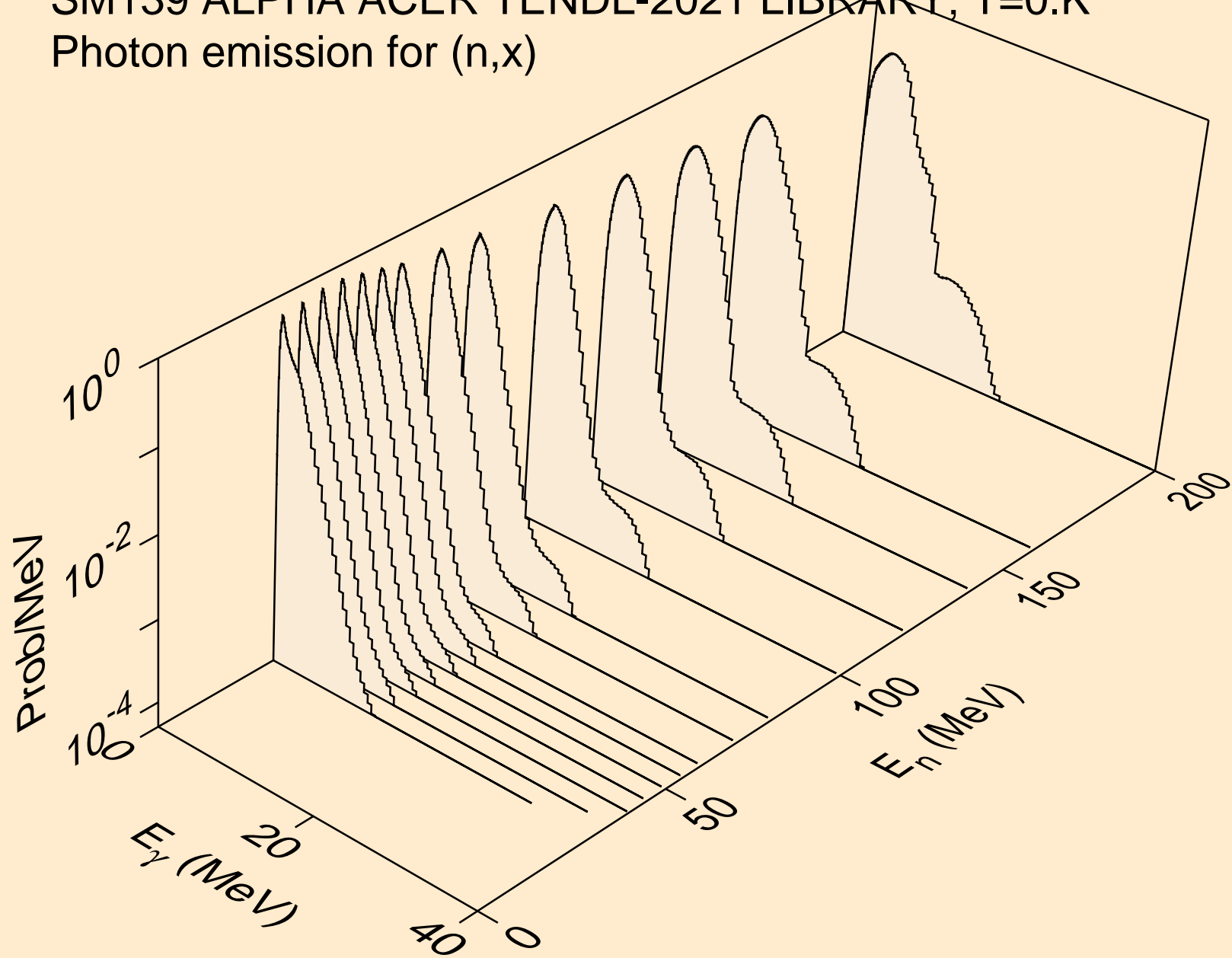
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,da)



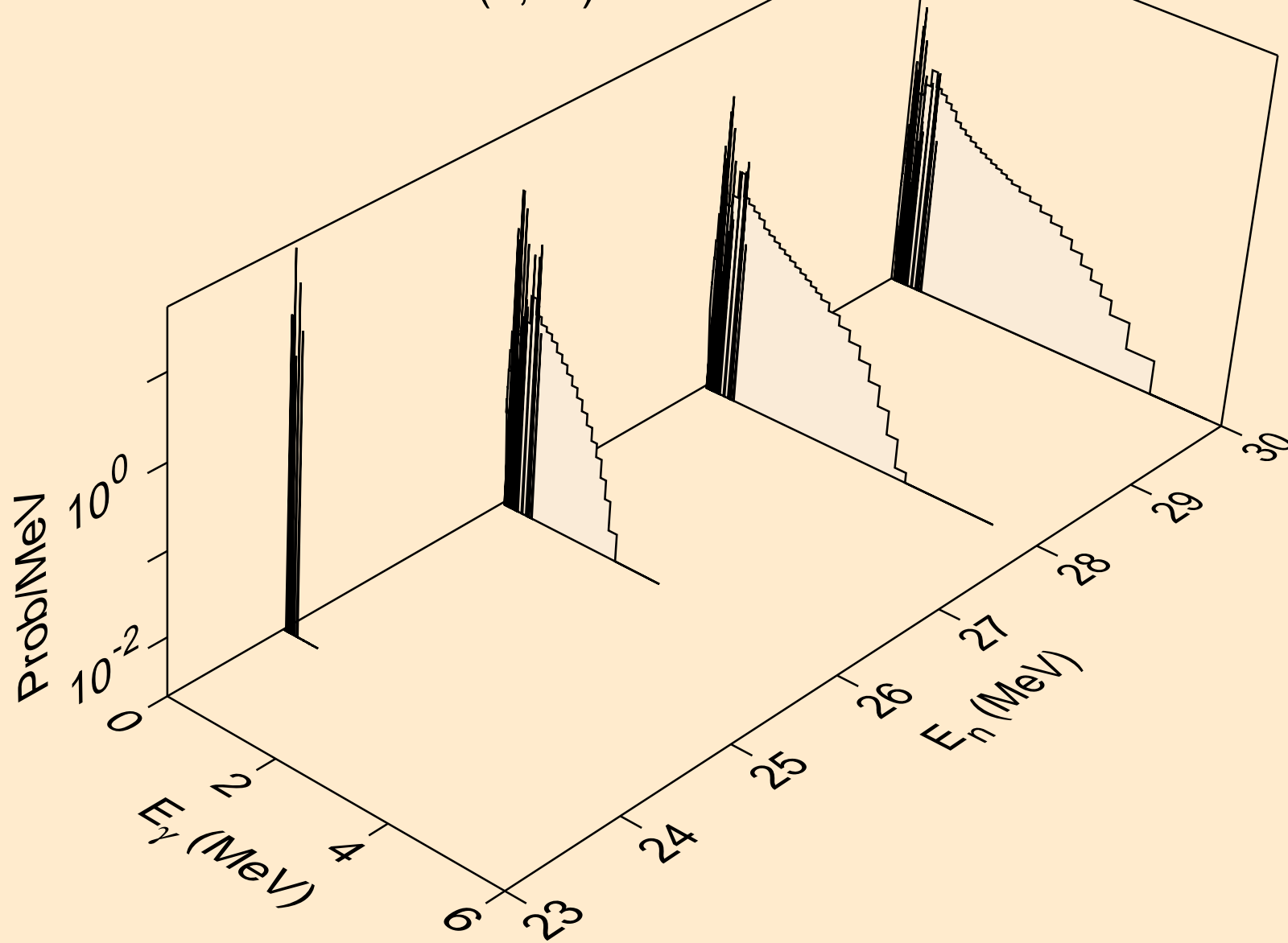
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (z,n)



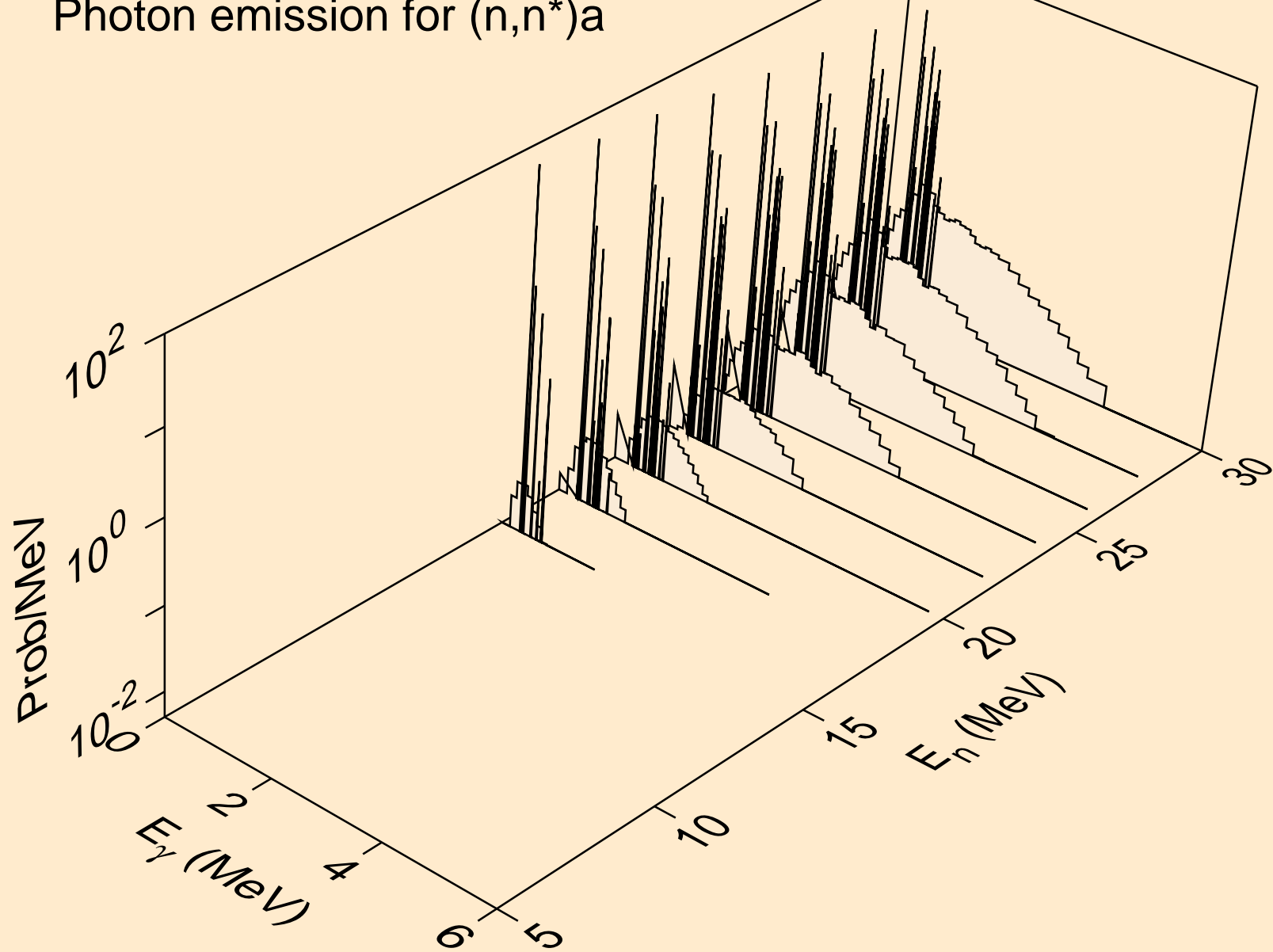
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,x)



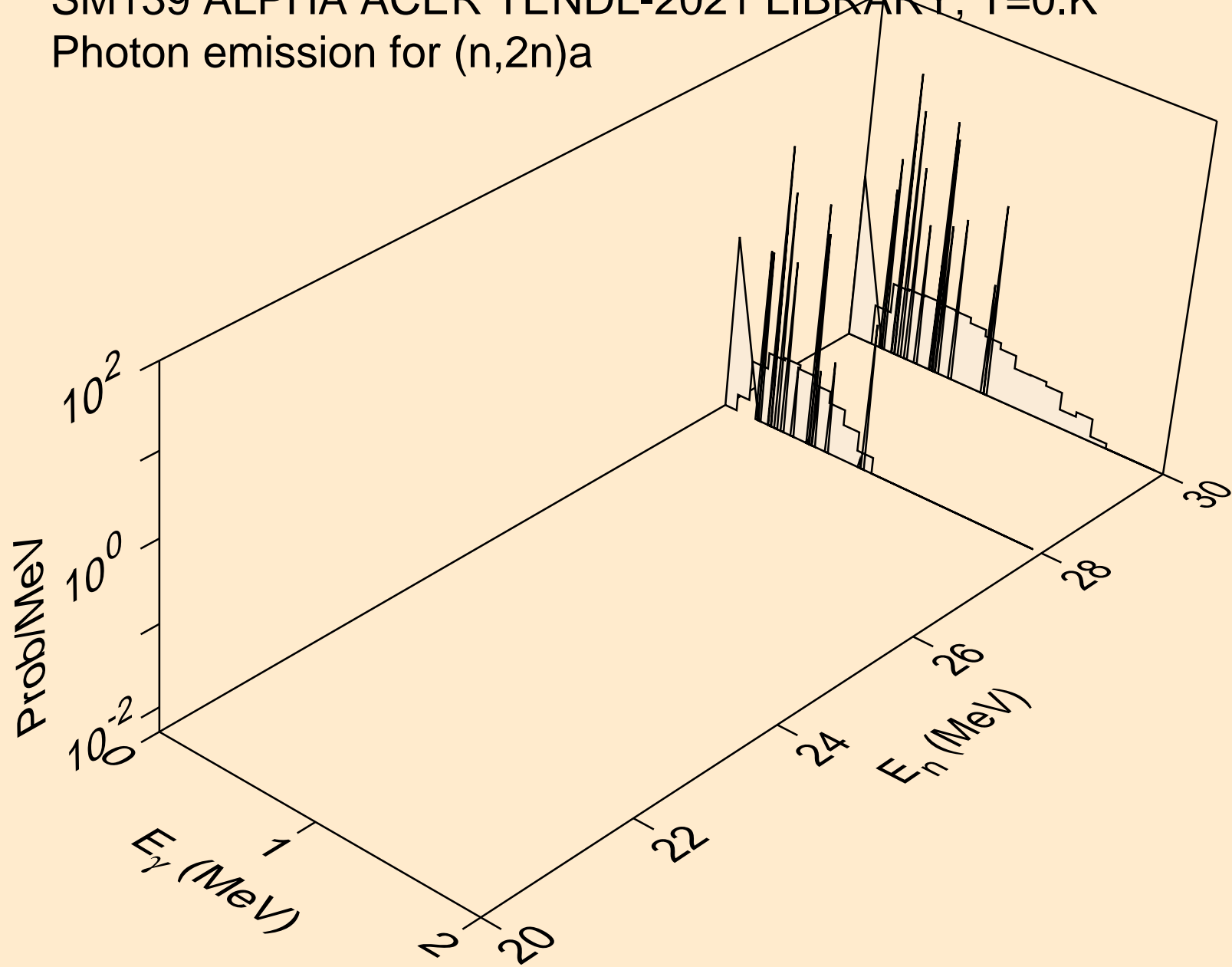
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)



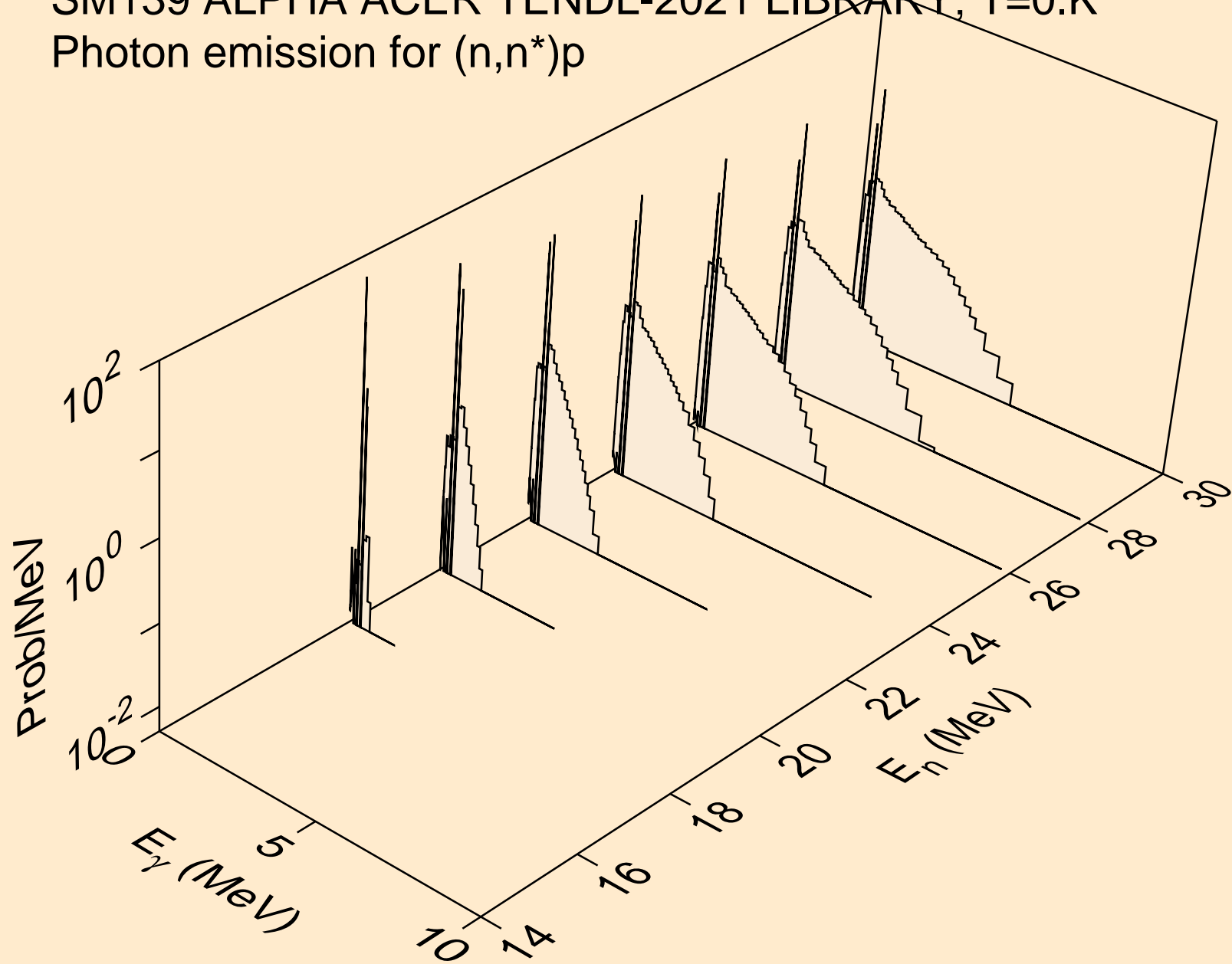
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a



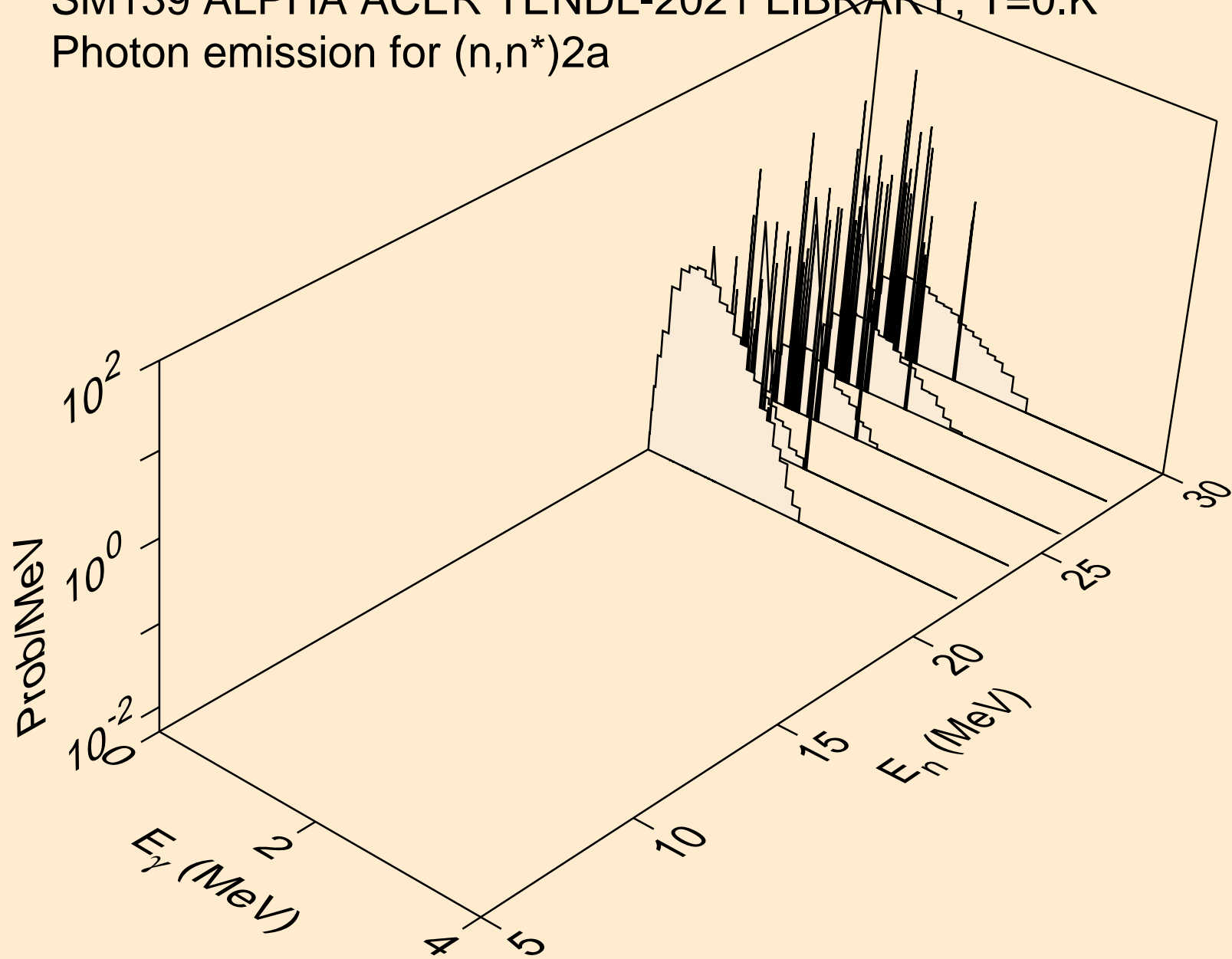
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)a



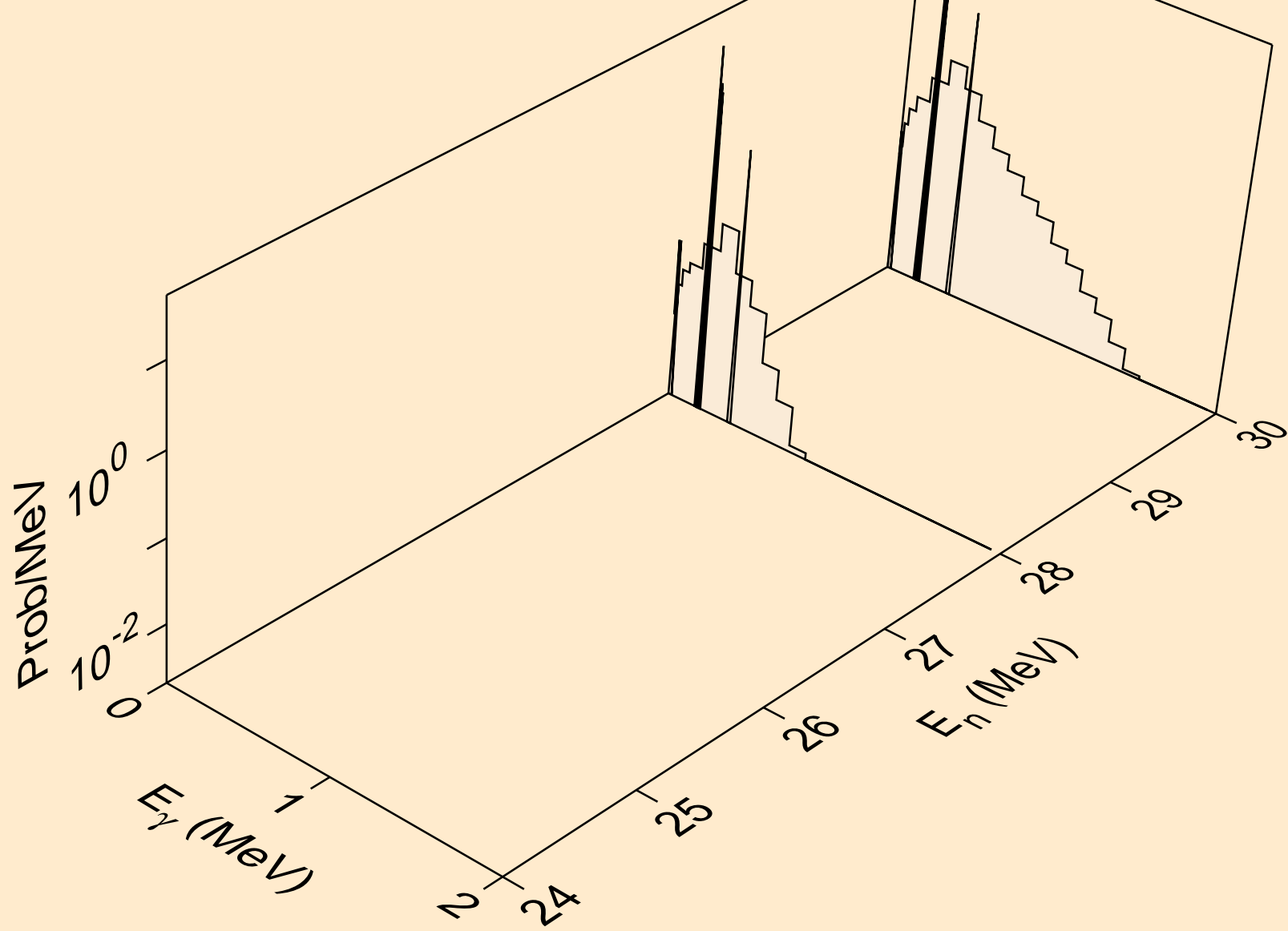
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)p



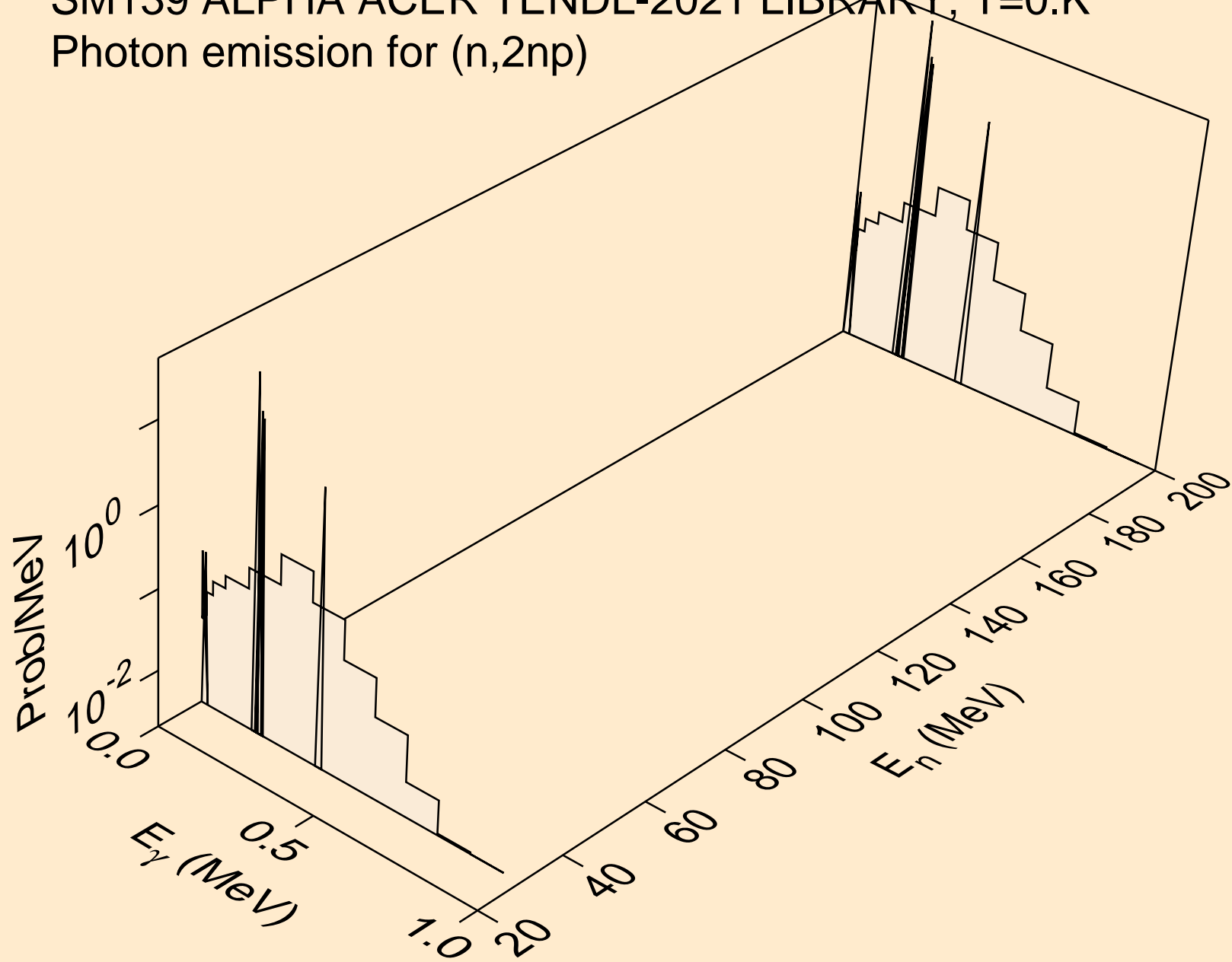
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)2a



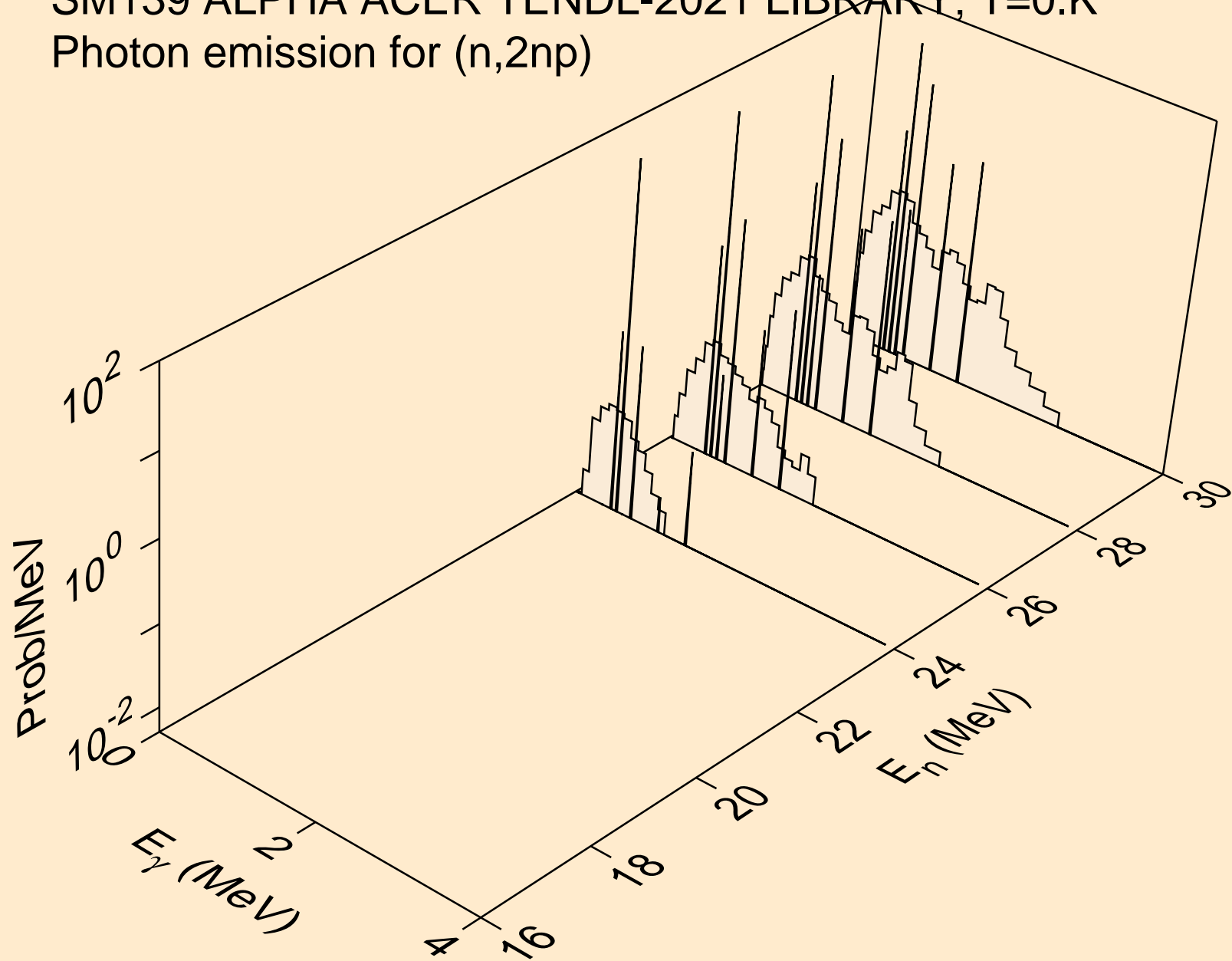
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)d



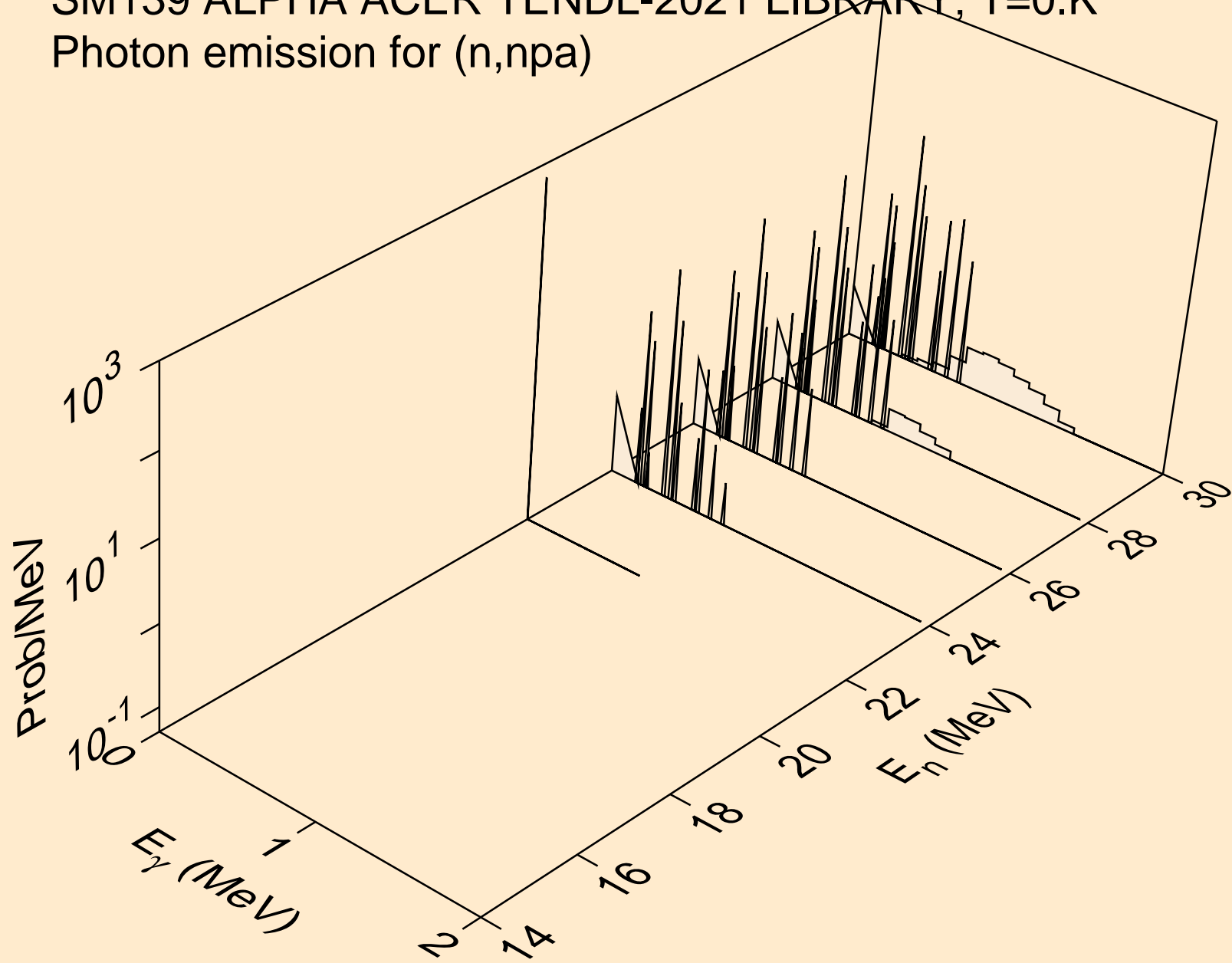
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2np)



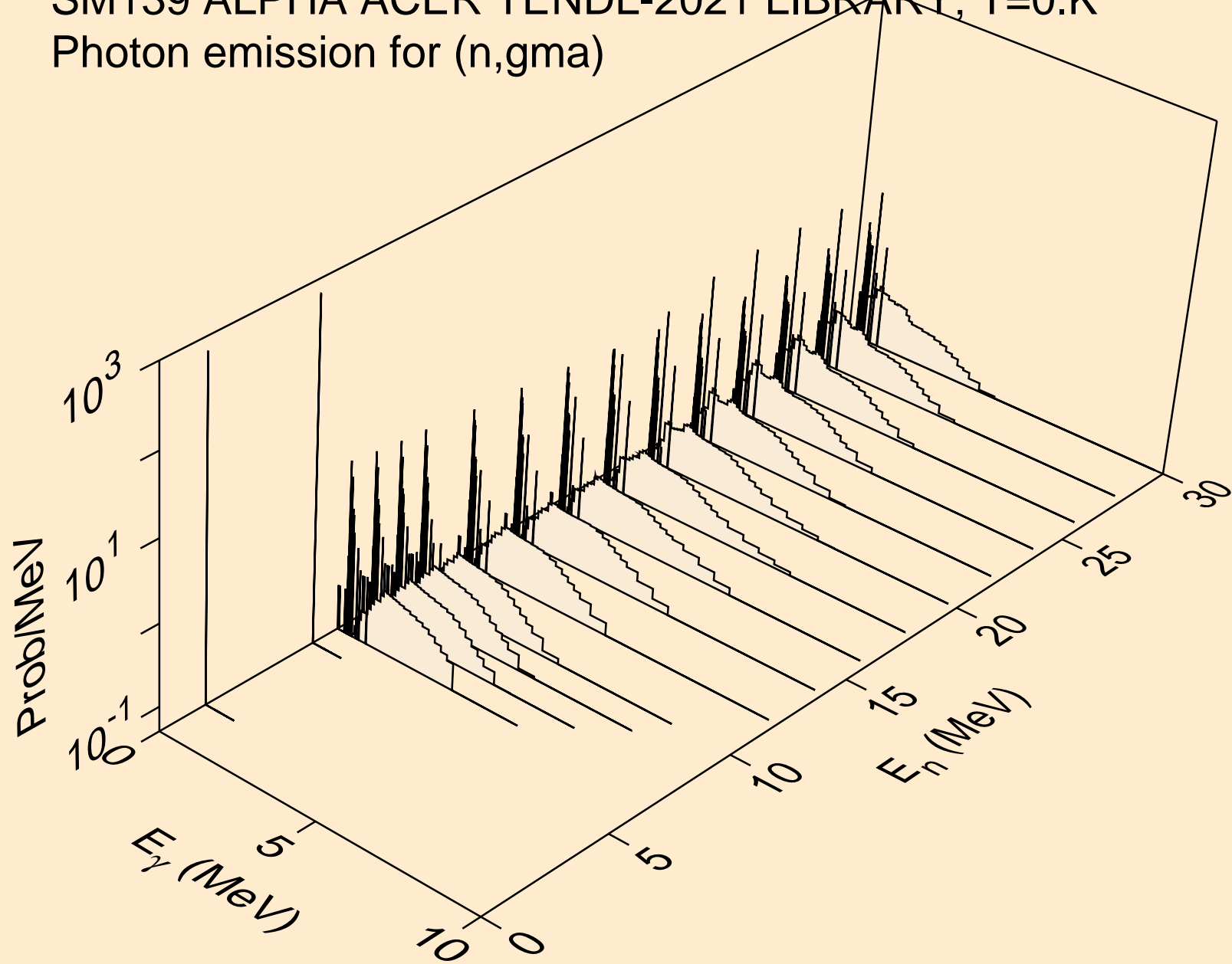
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2np)



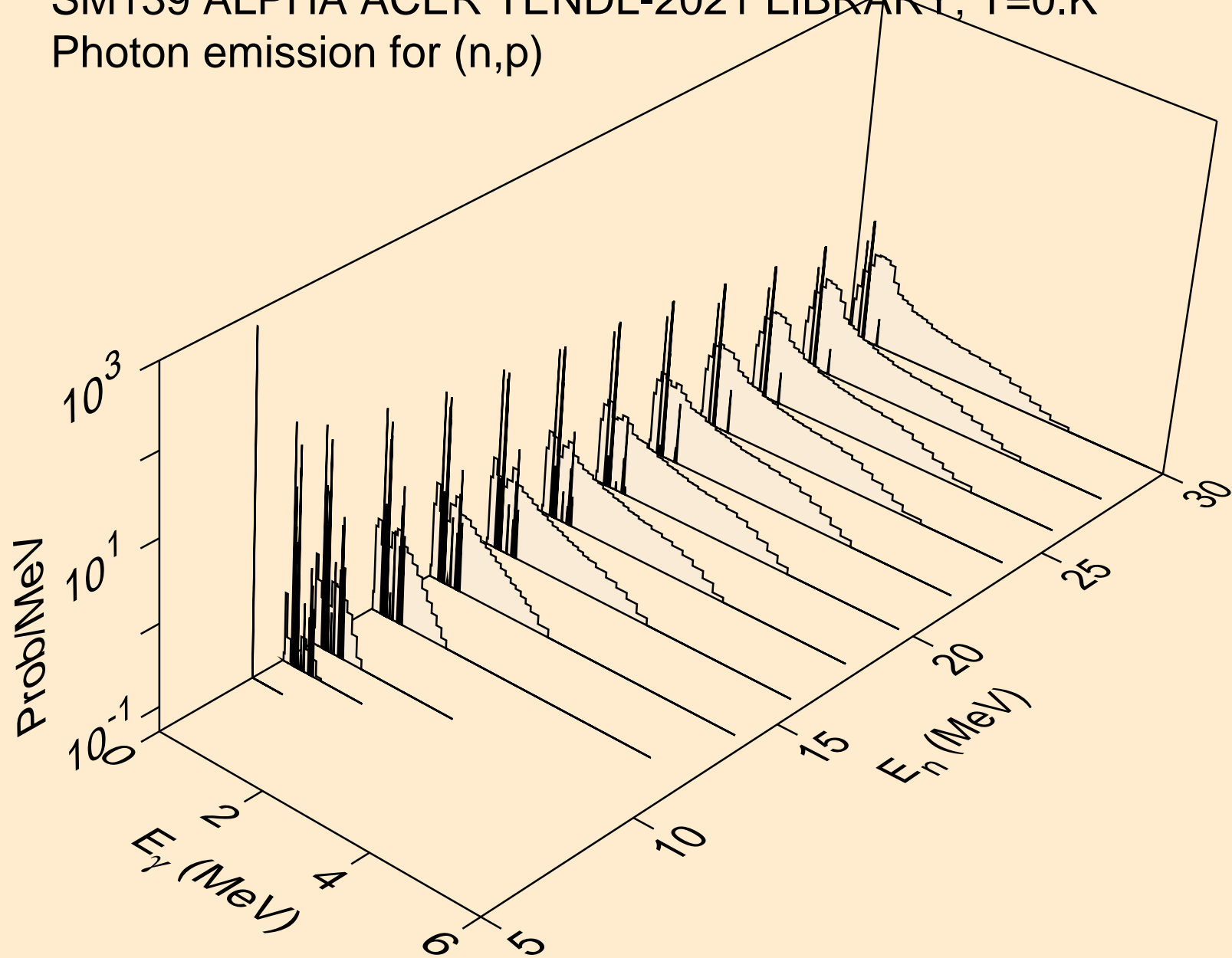
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,npa)



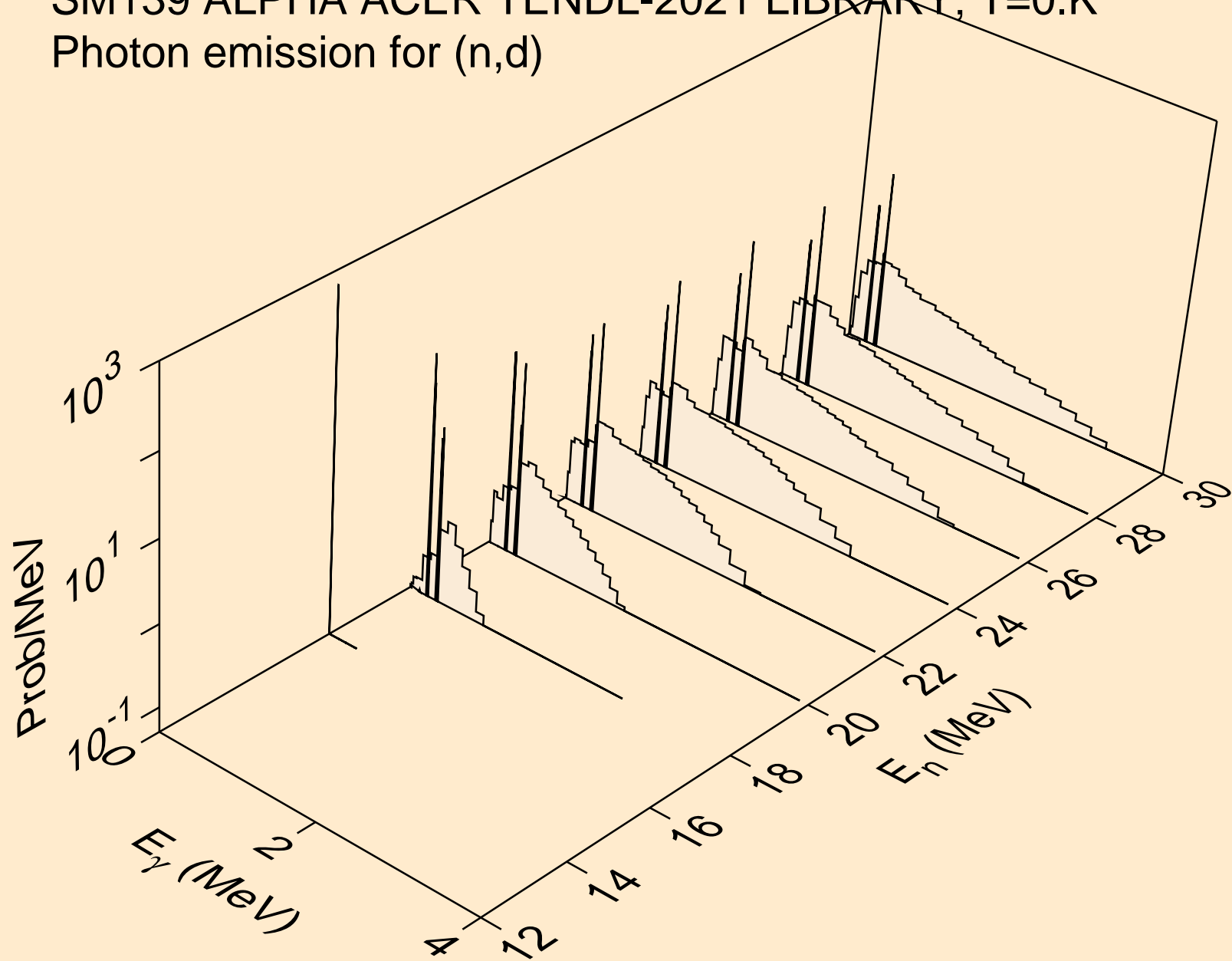
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Photon emission for (n,gma)



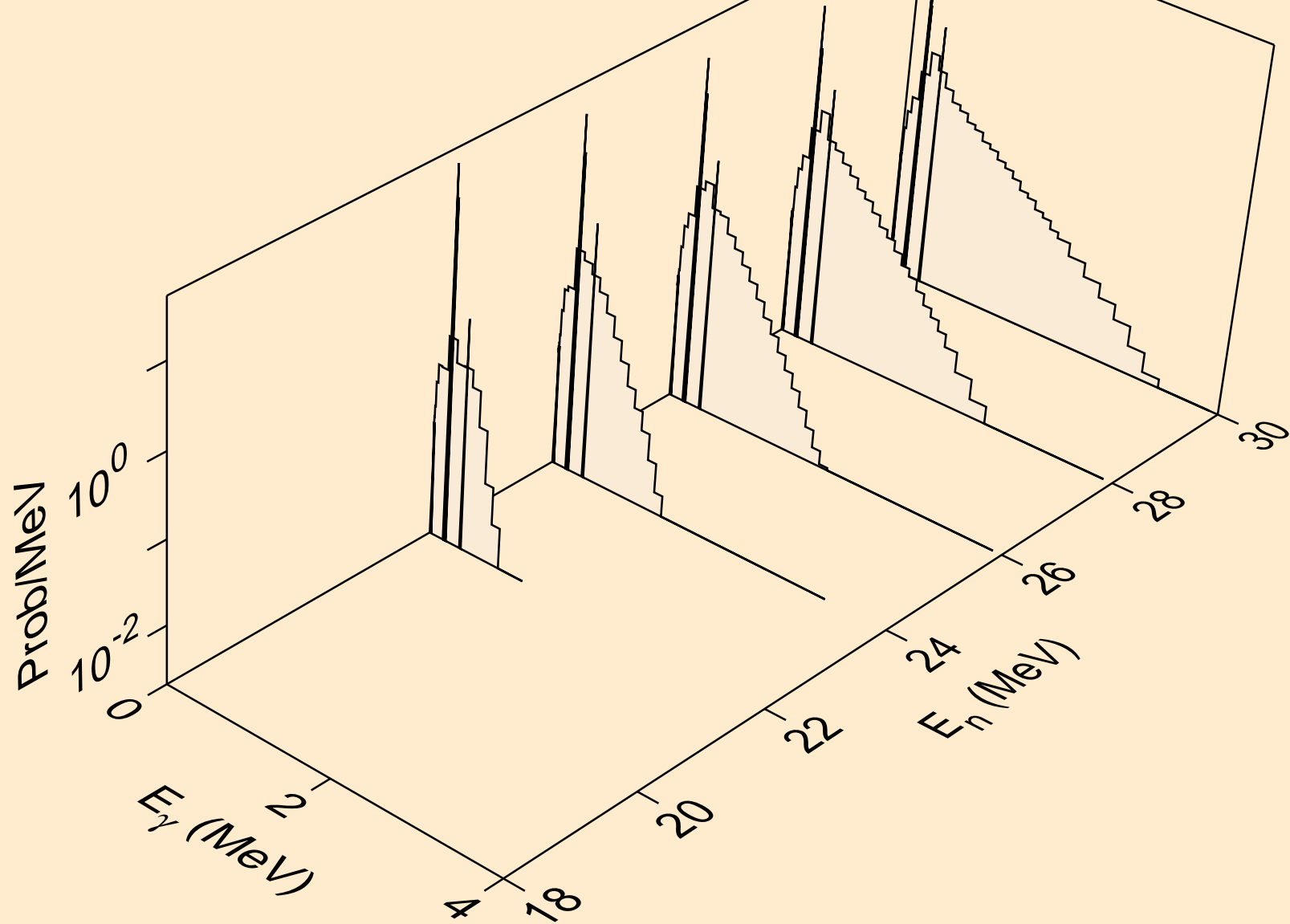
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p)



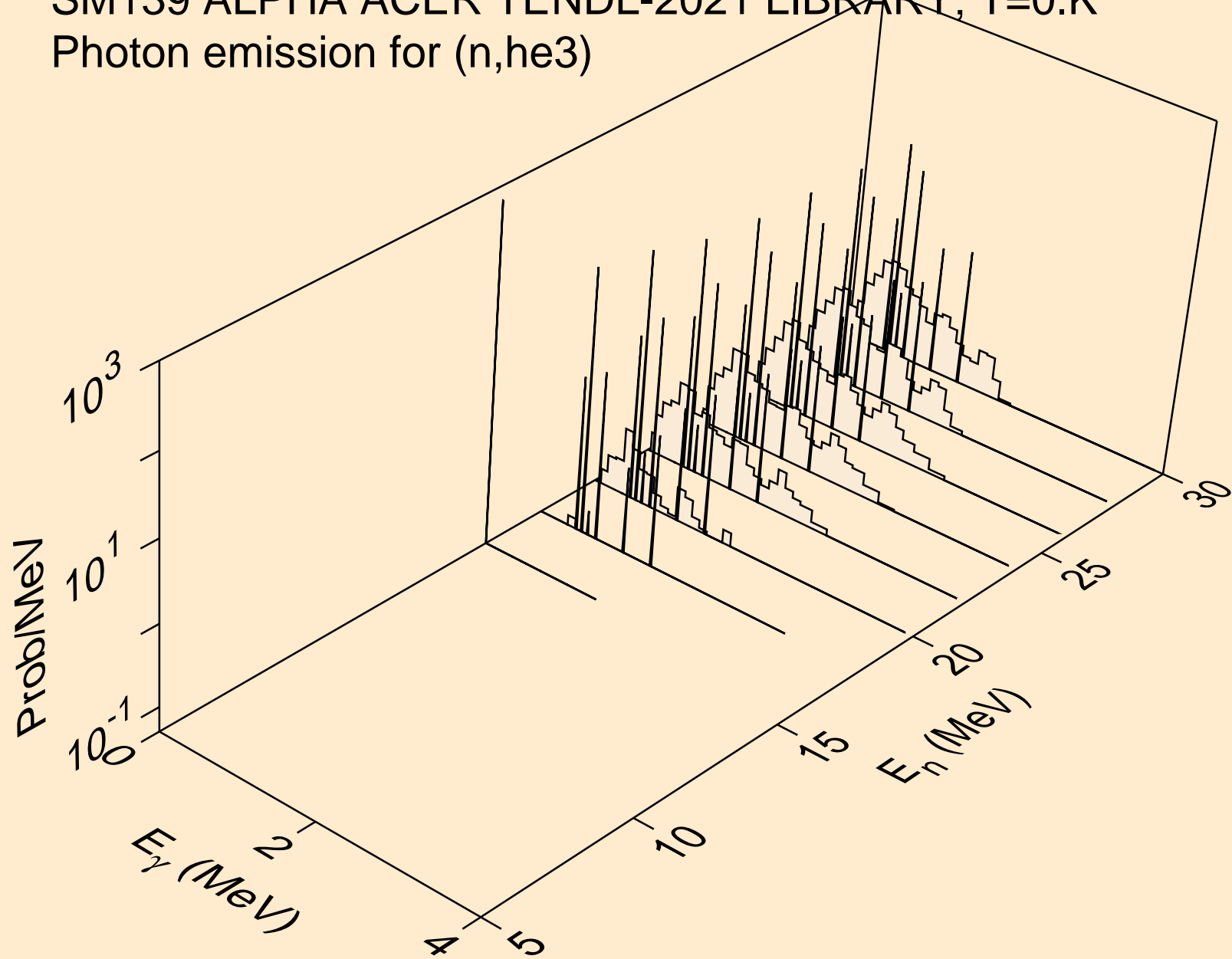
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,d)



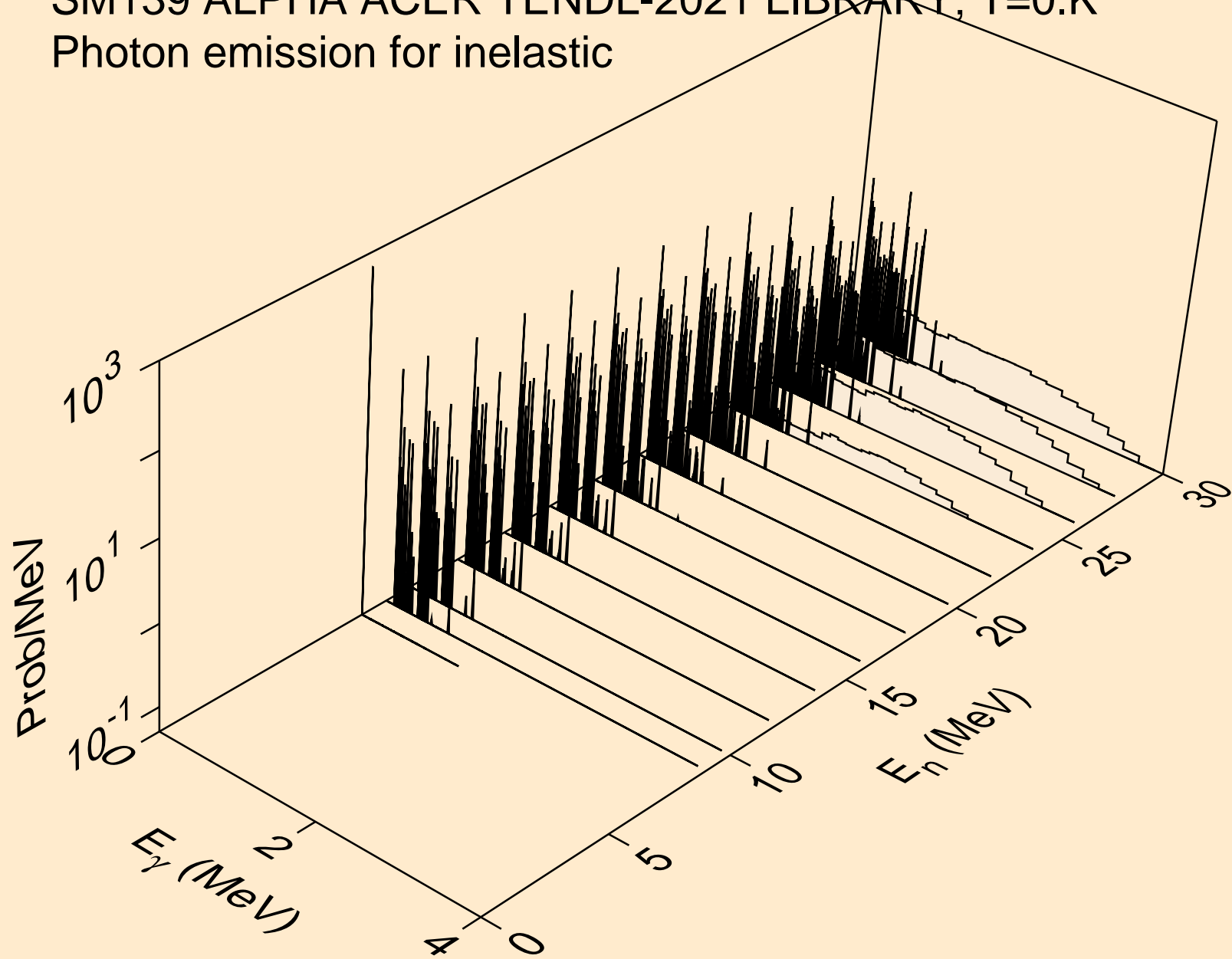
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,t)



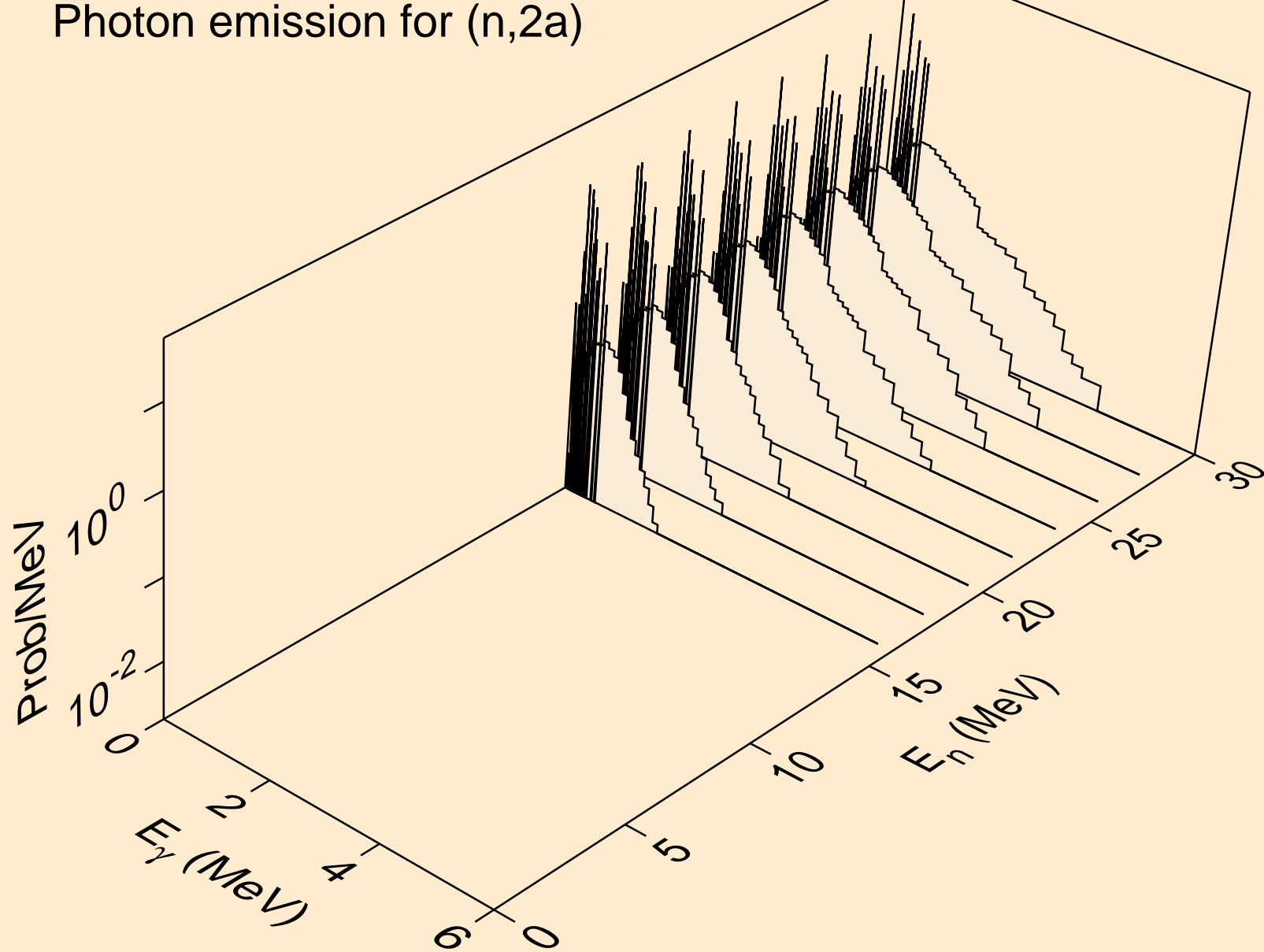
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,he3)



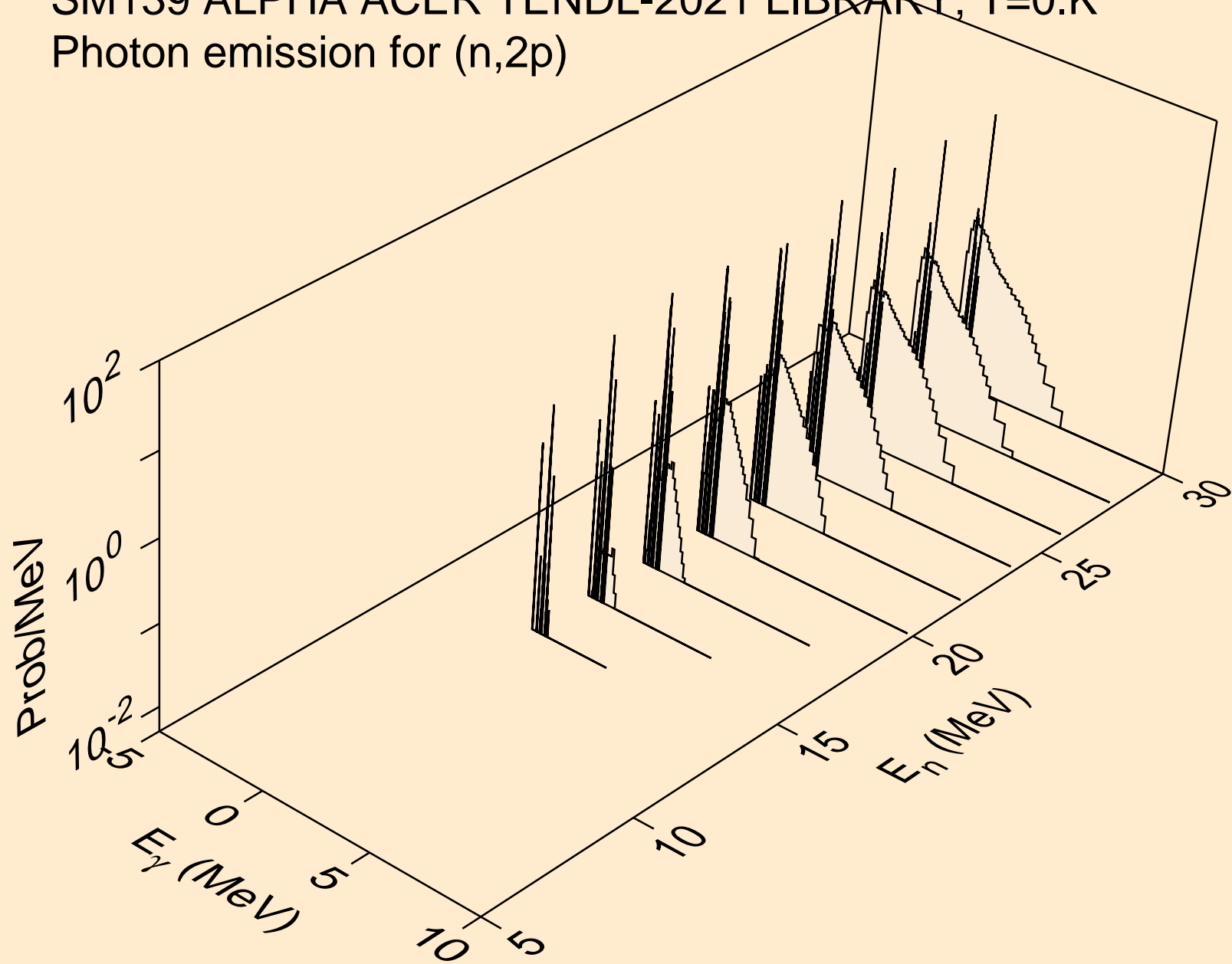
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic



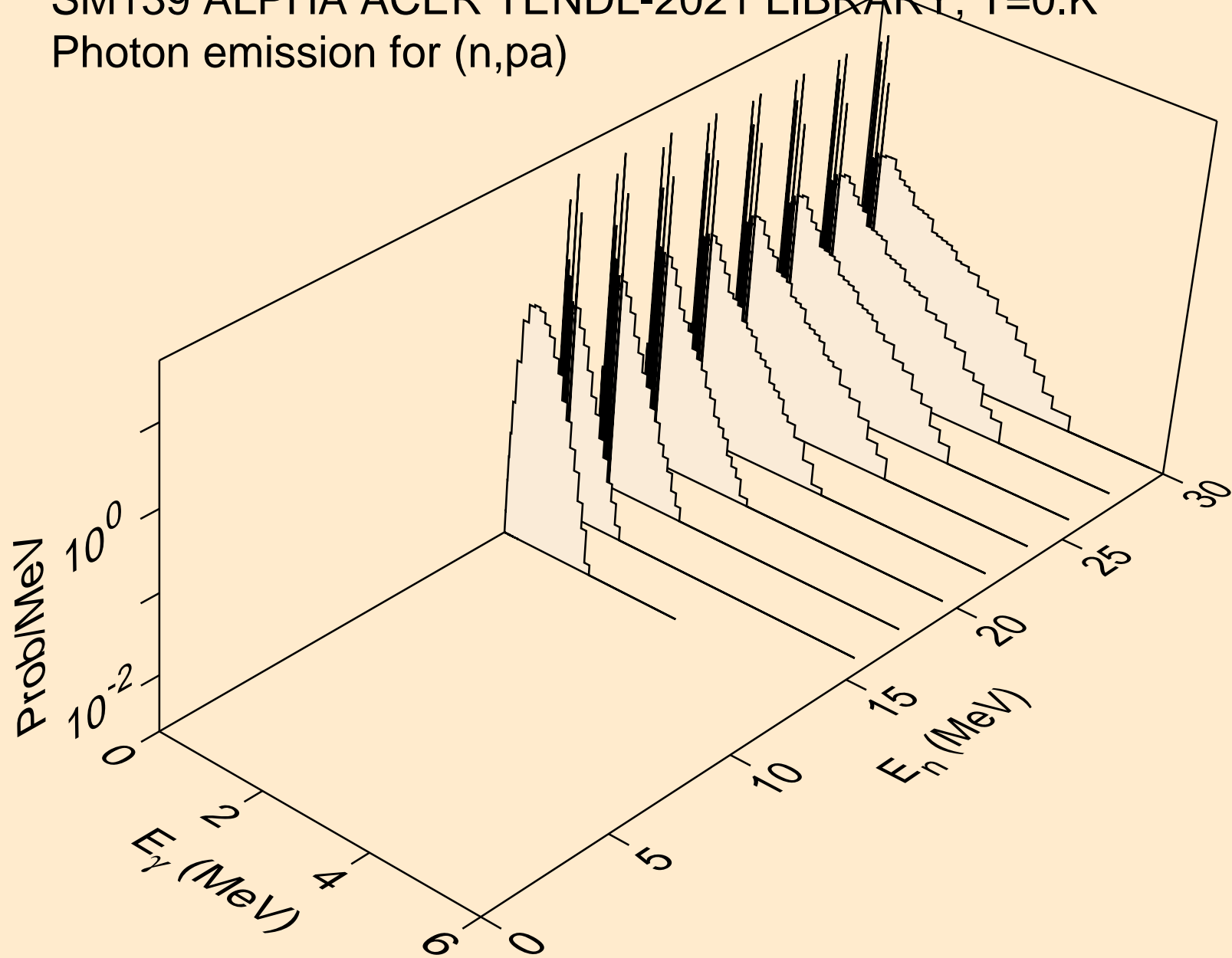
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2a)



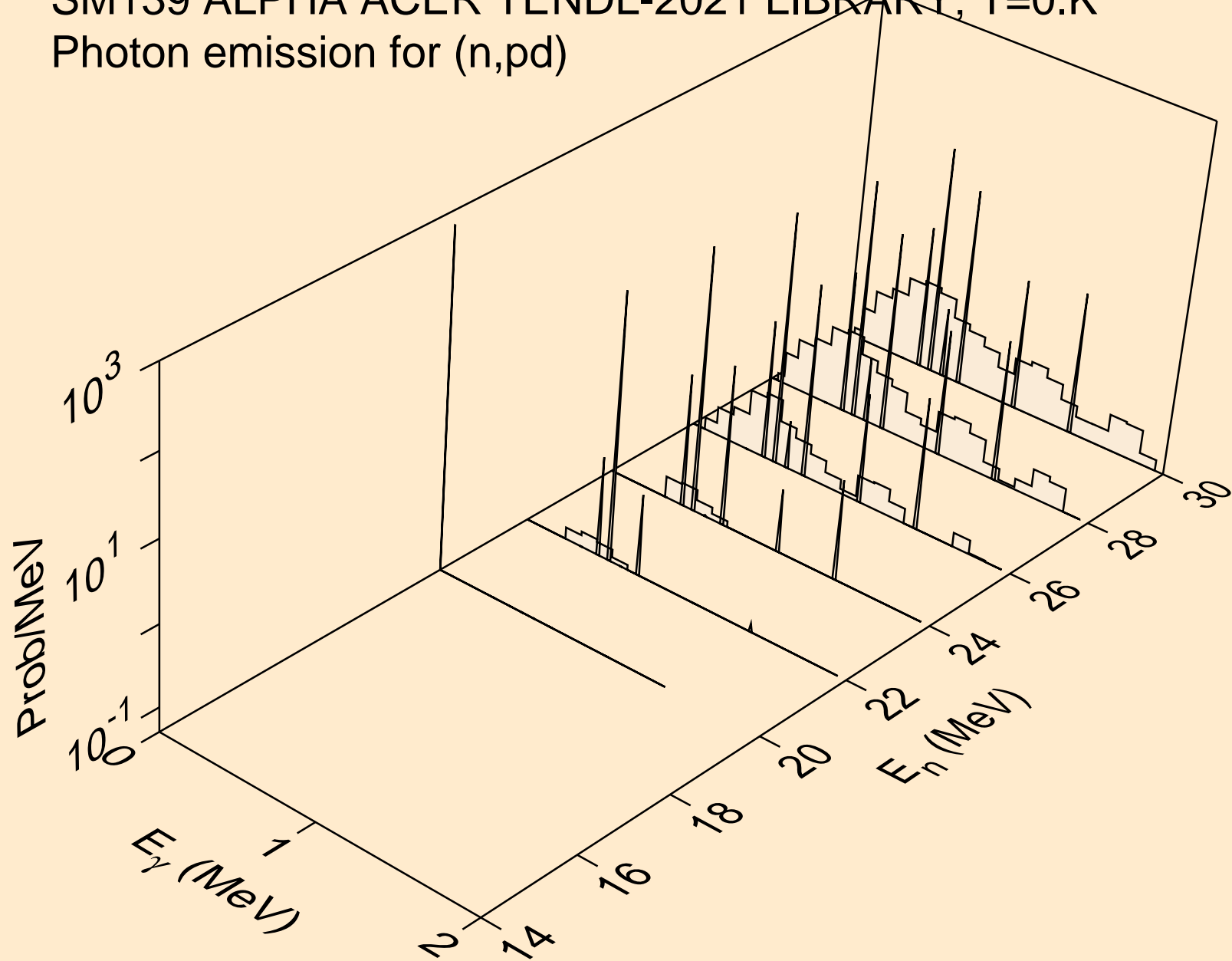
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2p)



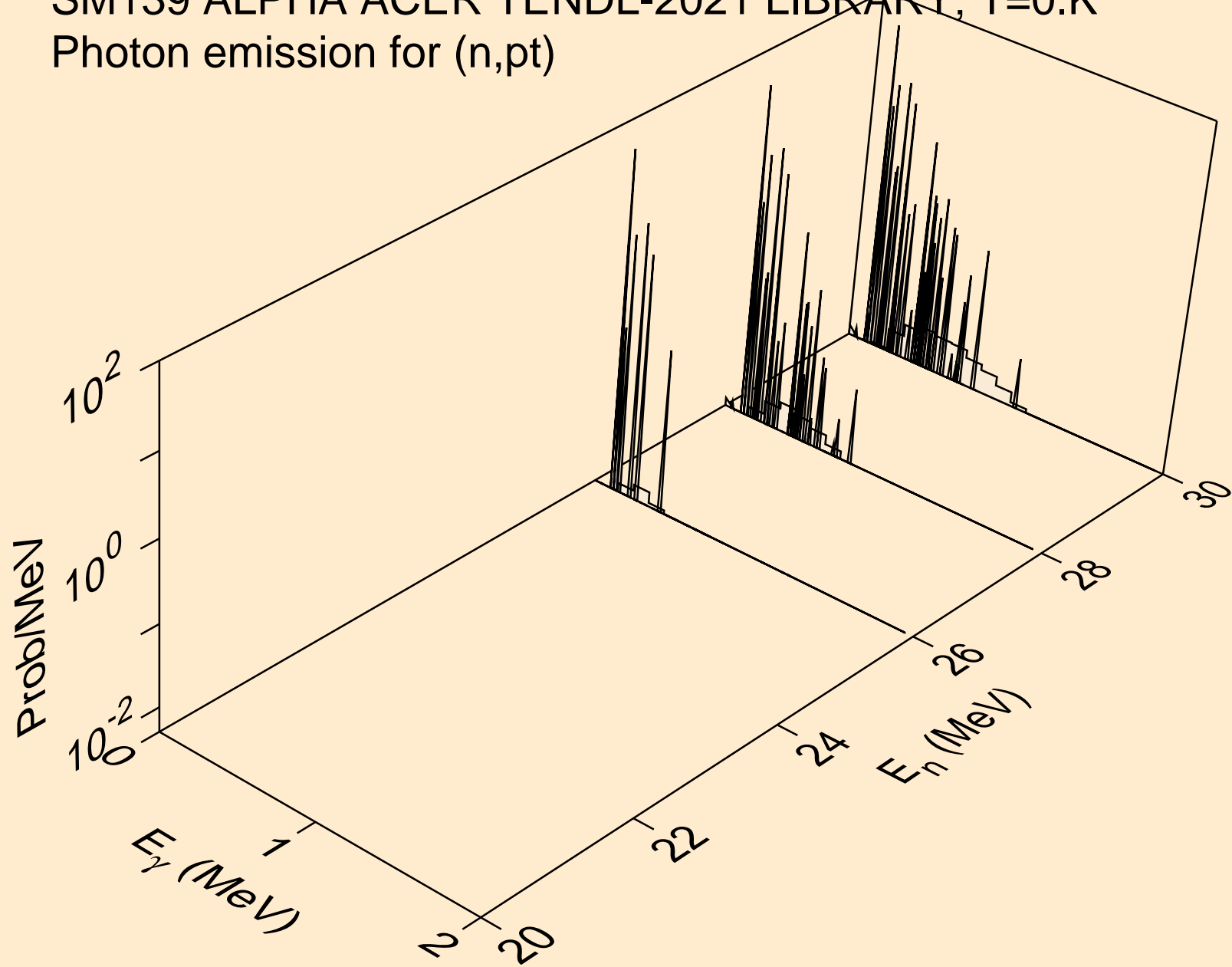
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pa)



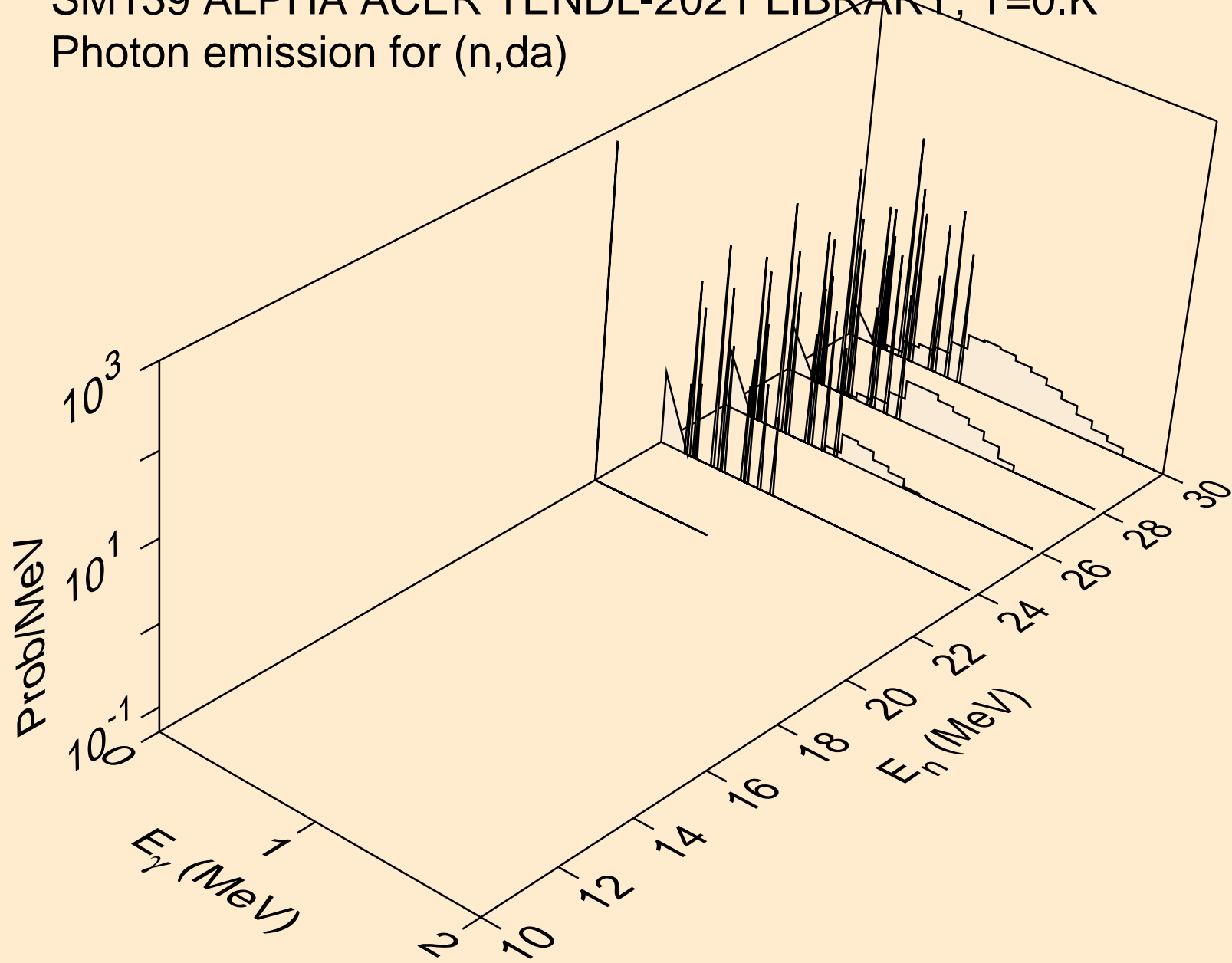
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pd)



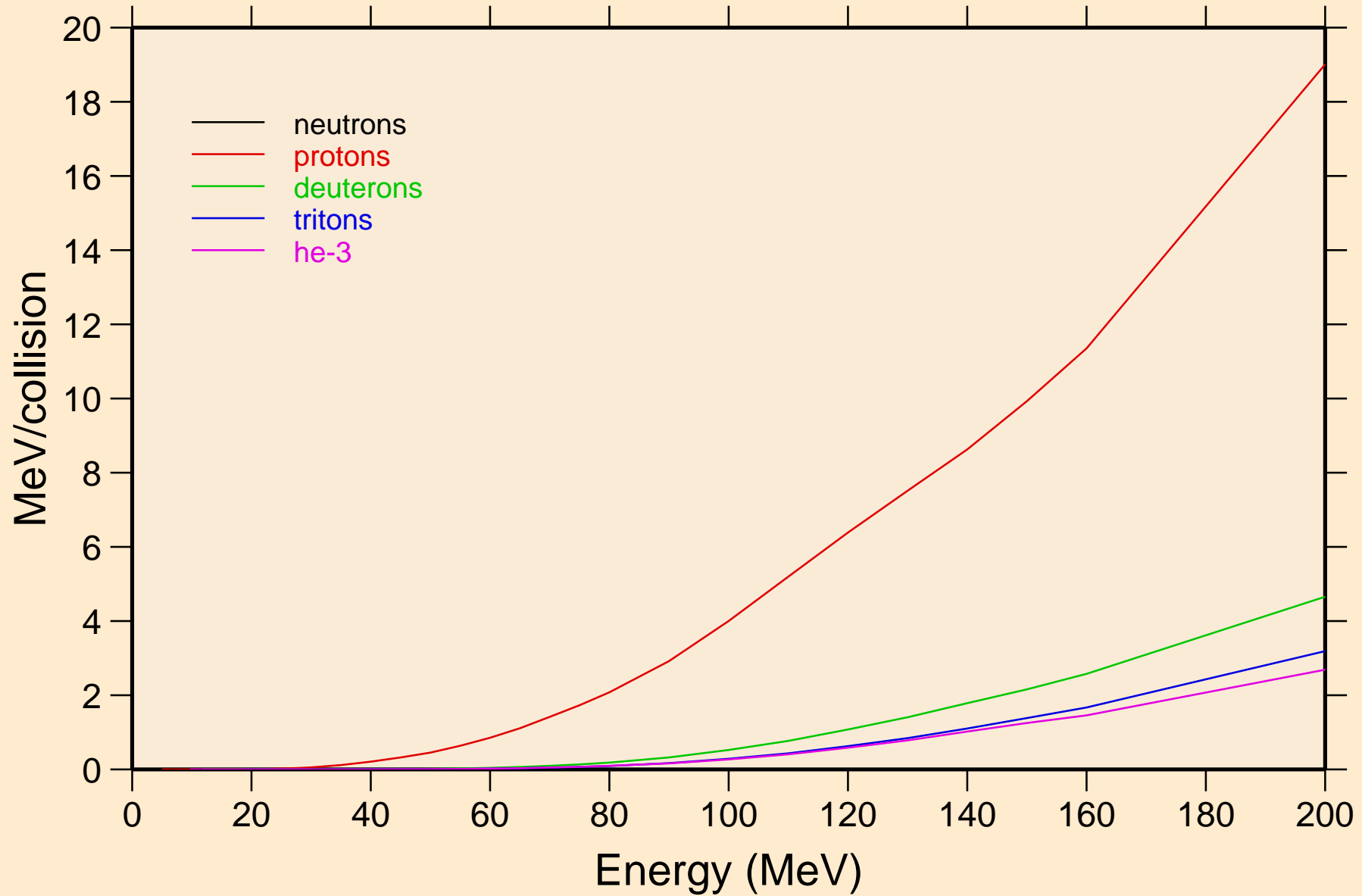
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pt)



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,da)

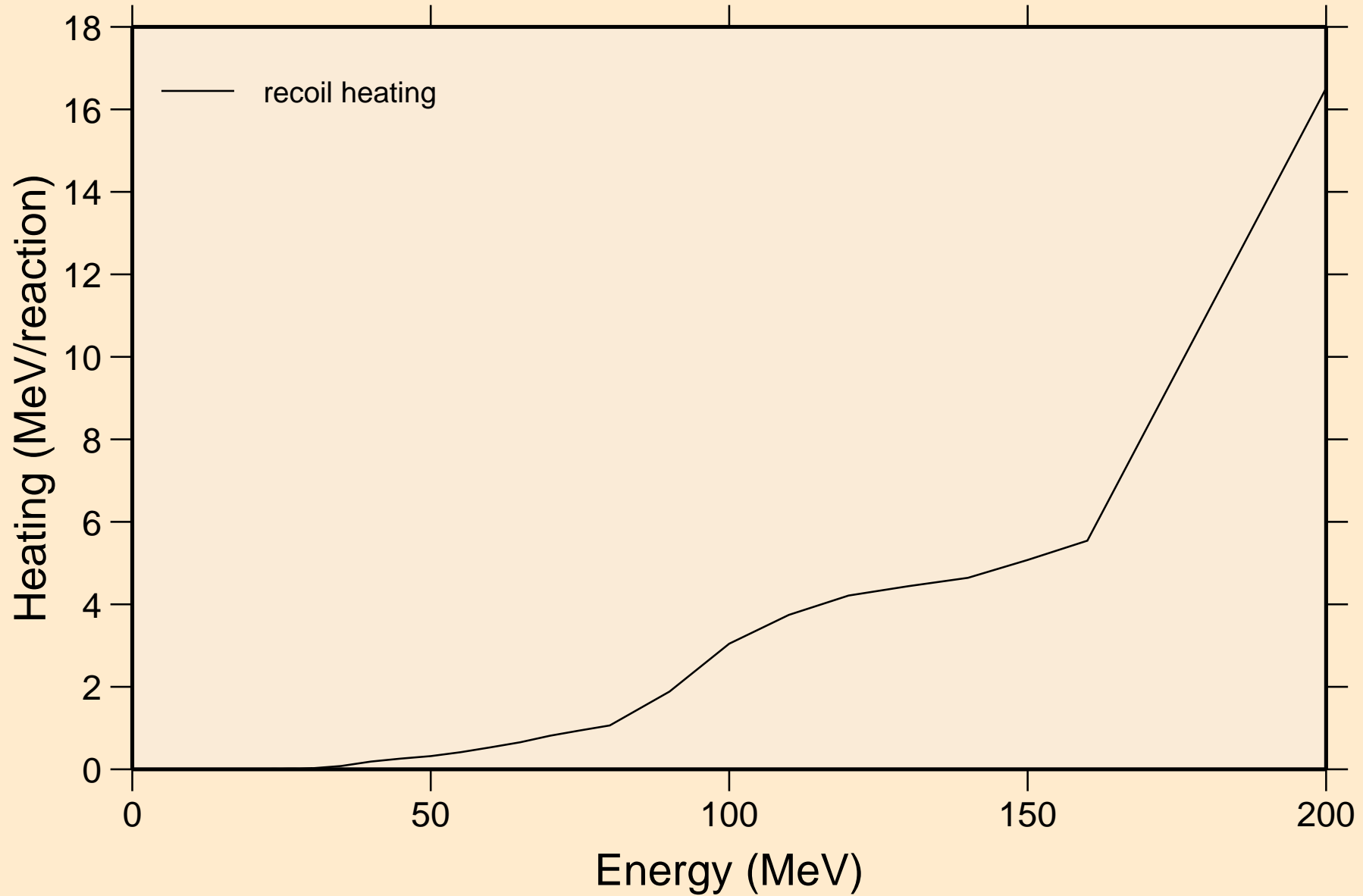


SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

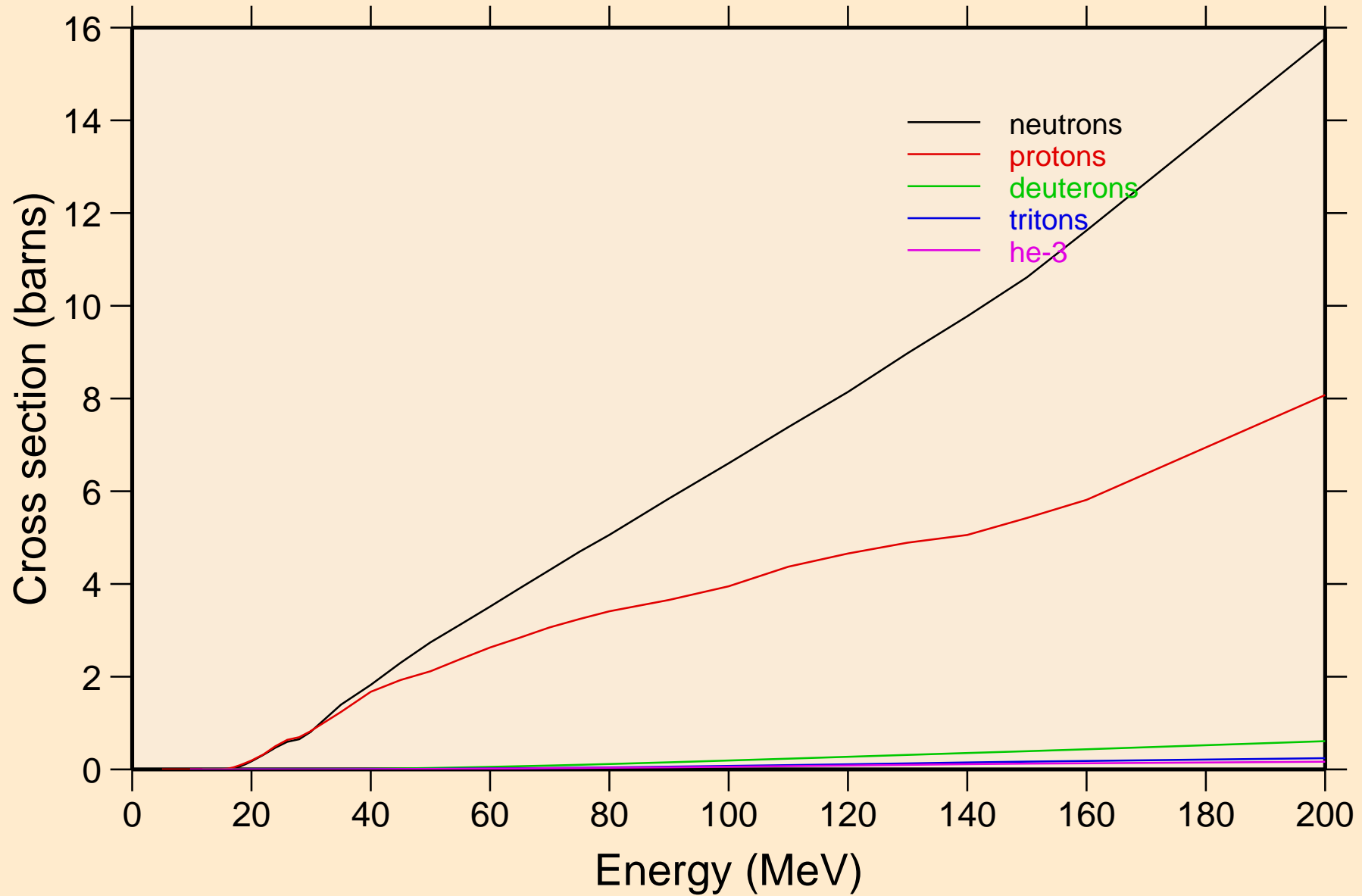


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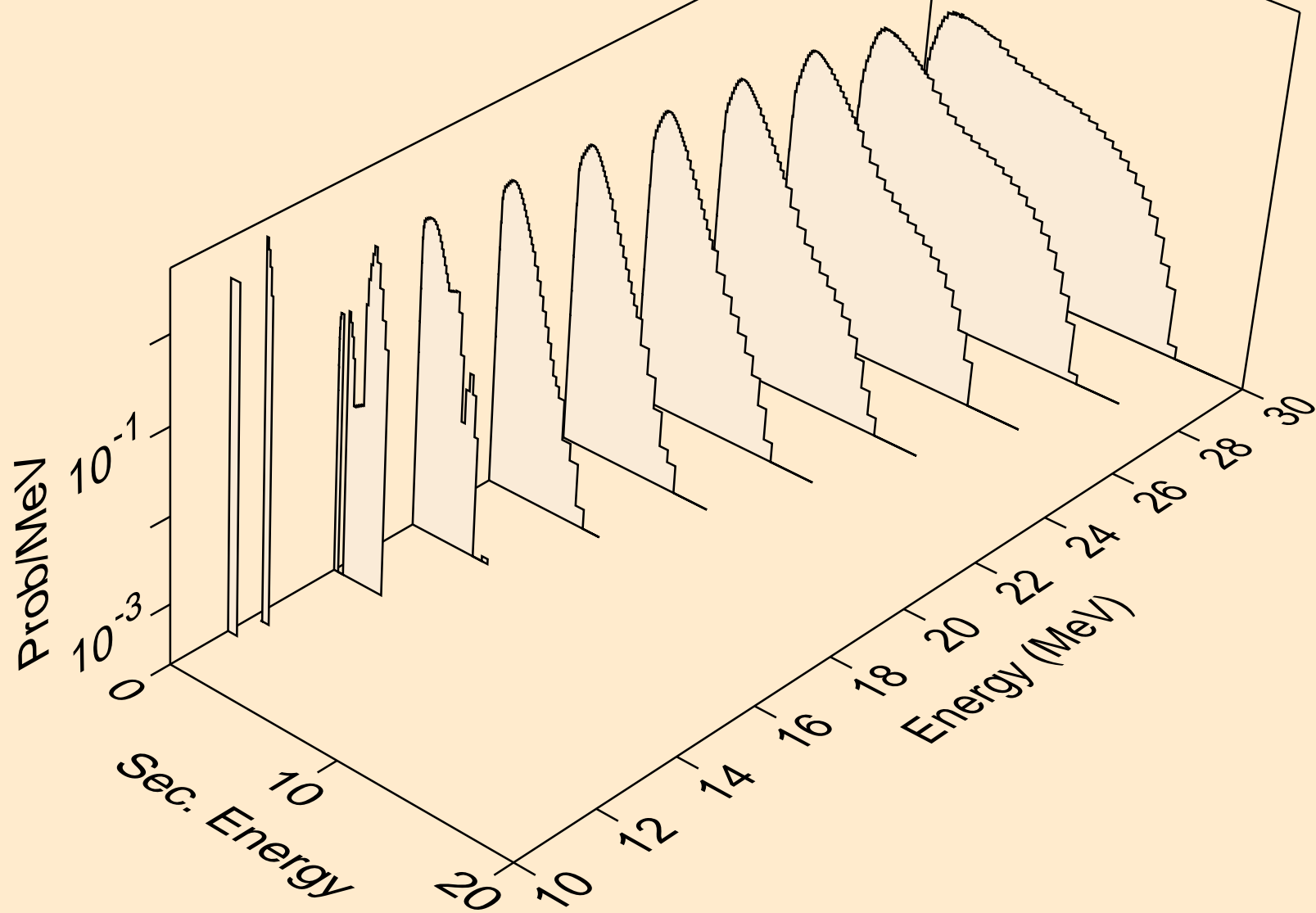
Recoil Heating



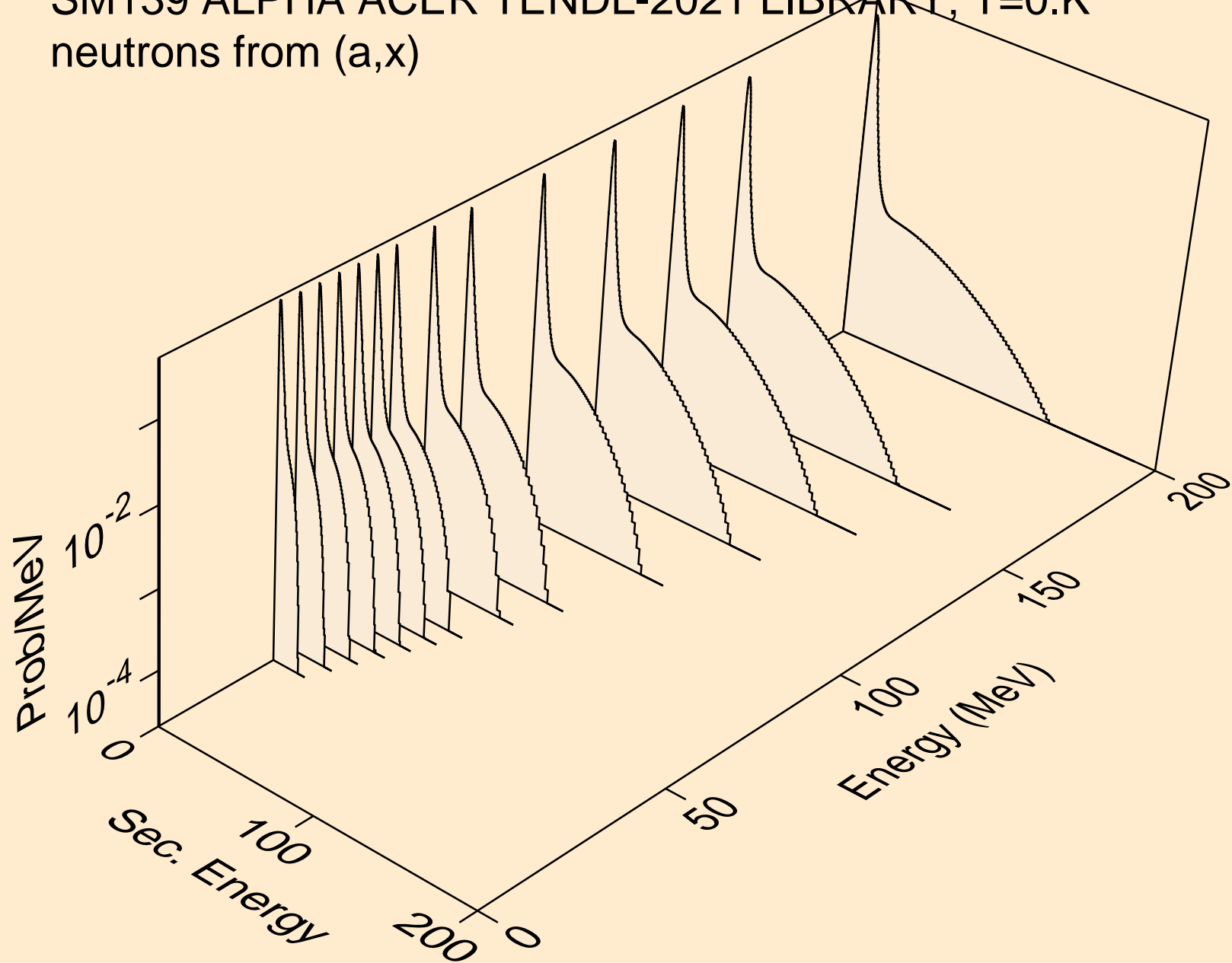
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections



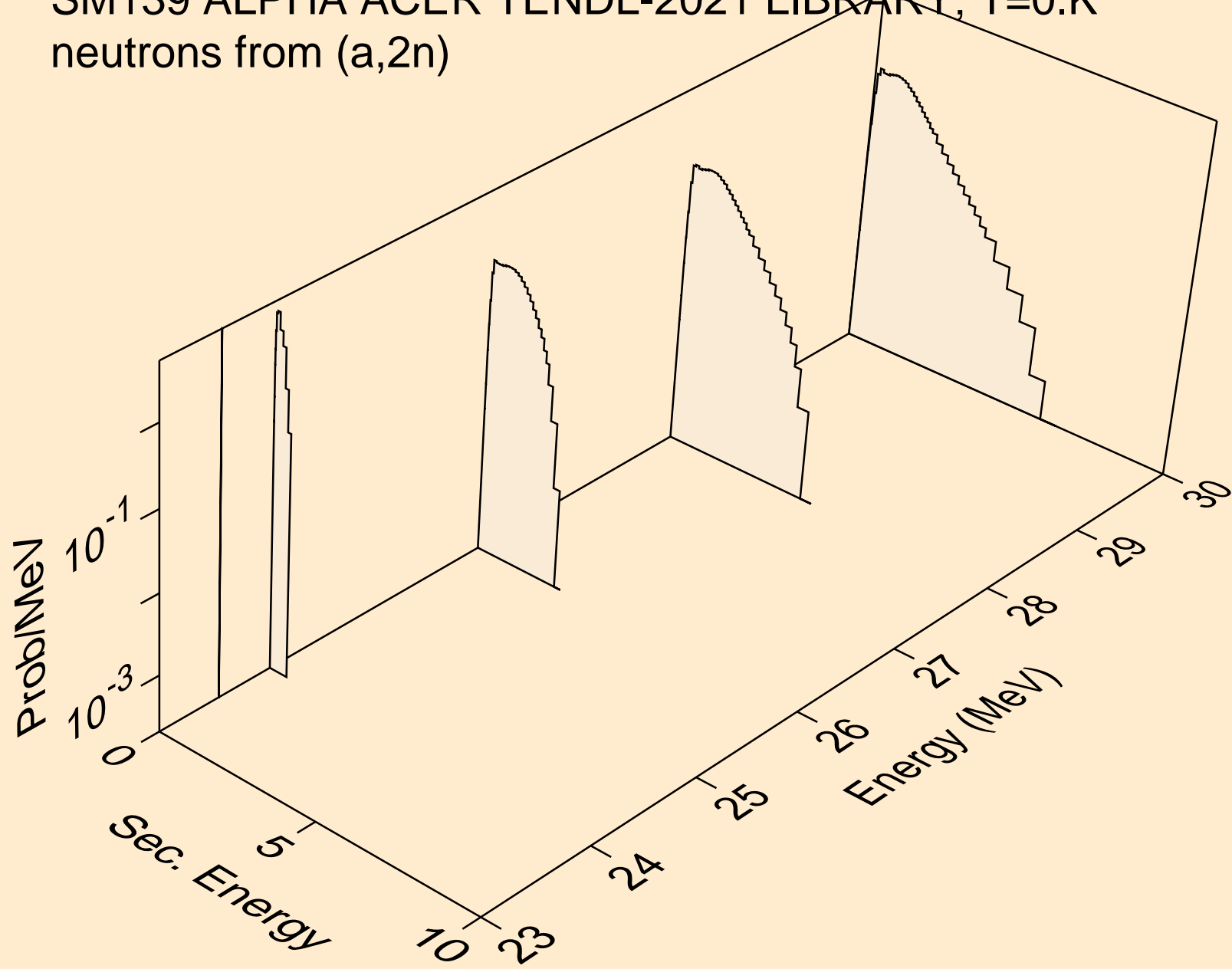
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n)



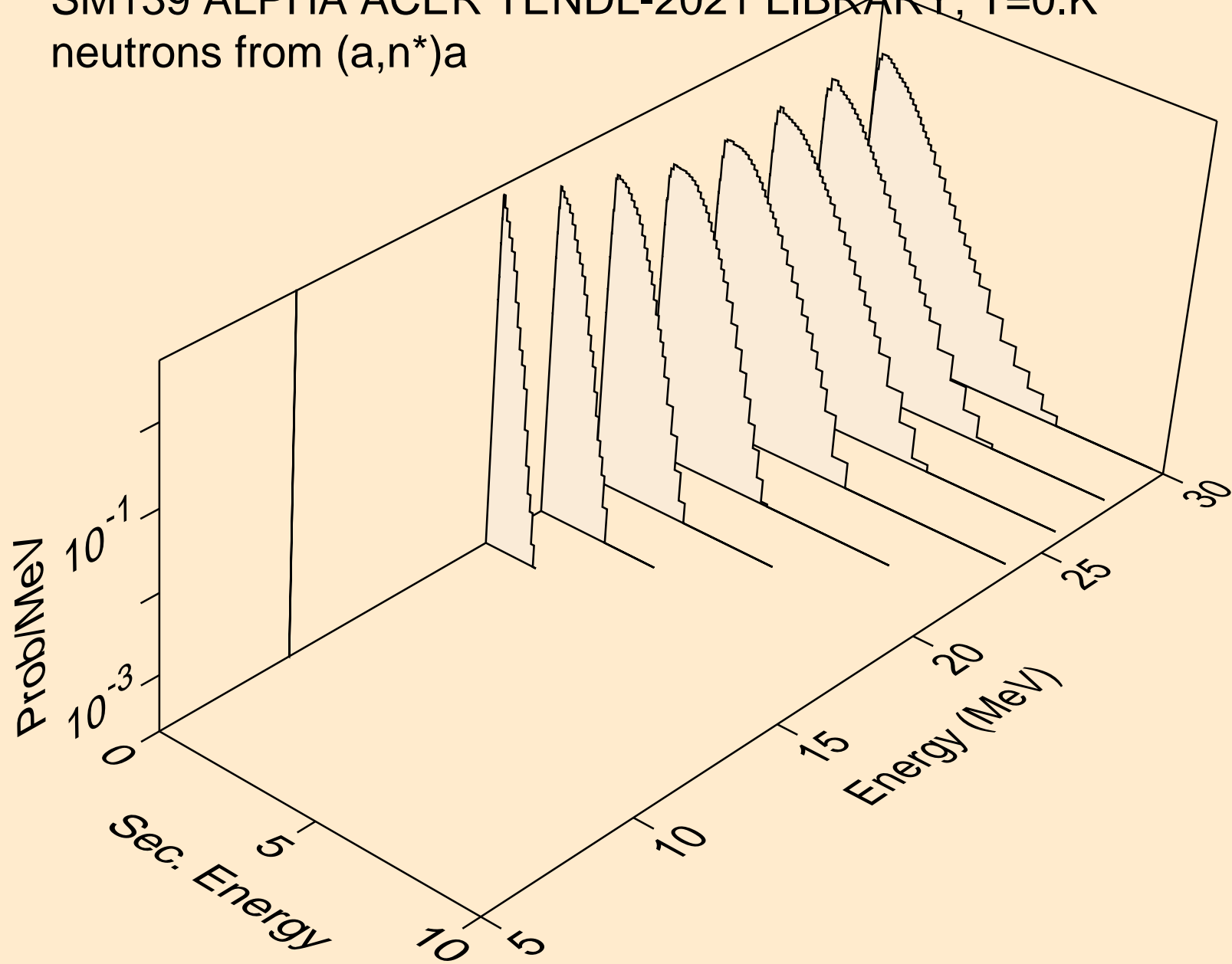
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,x)



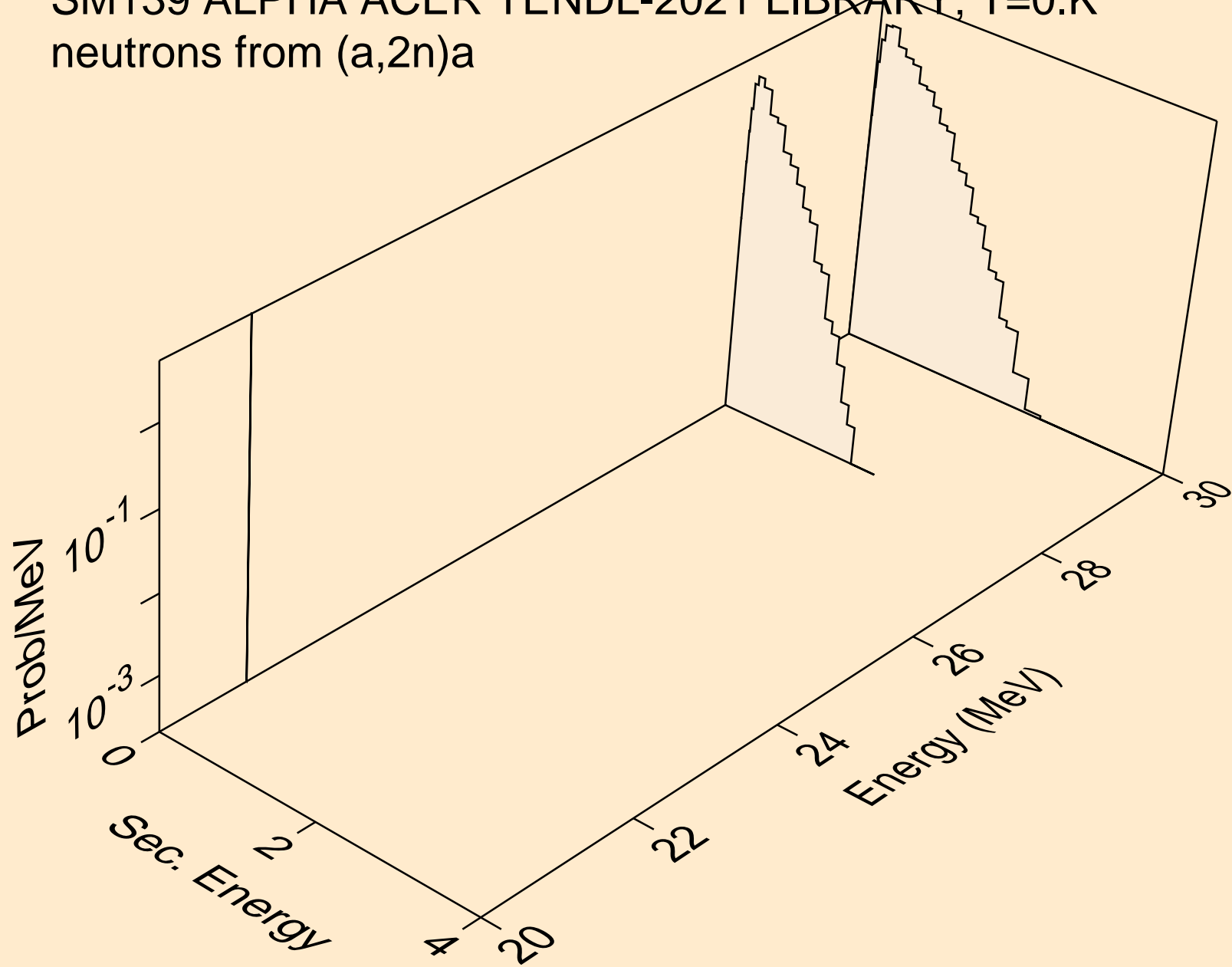
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)



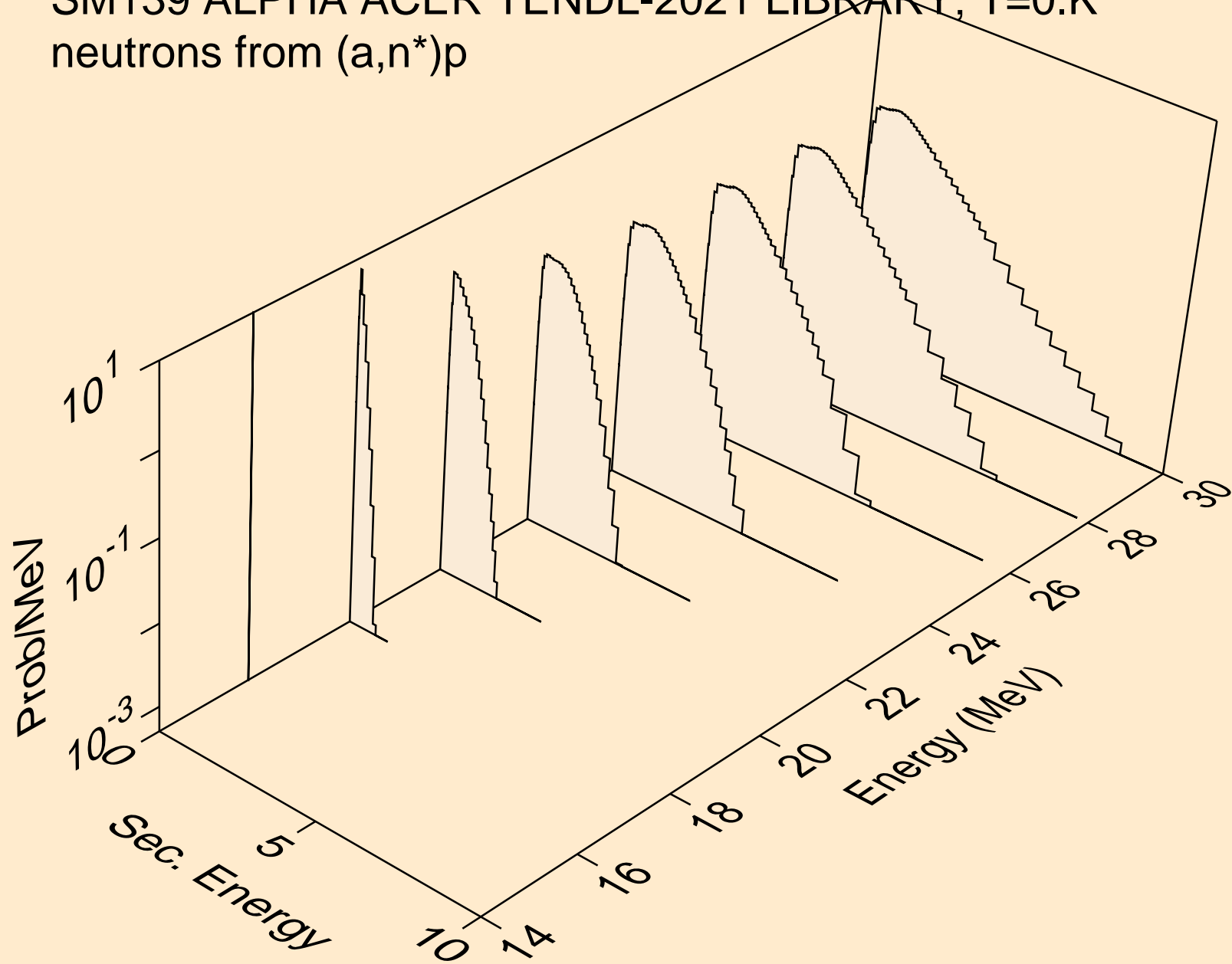
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)a



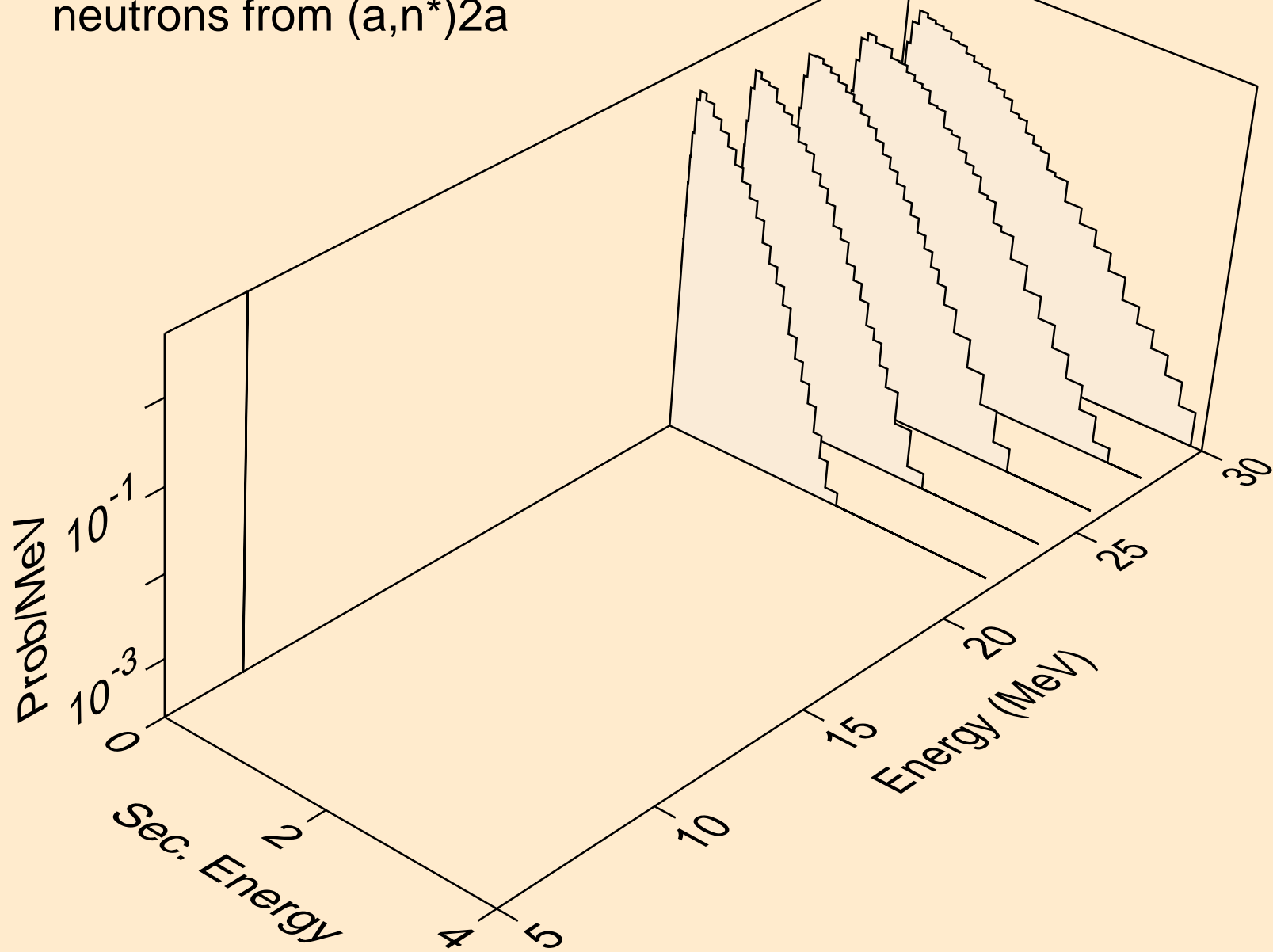
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neutrons from (a,2n)a



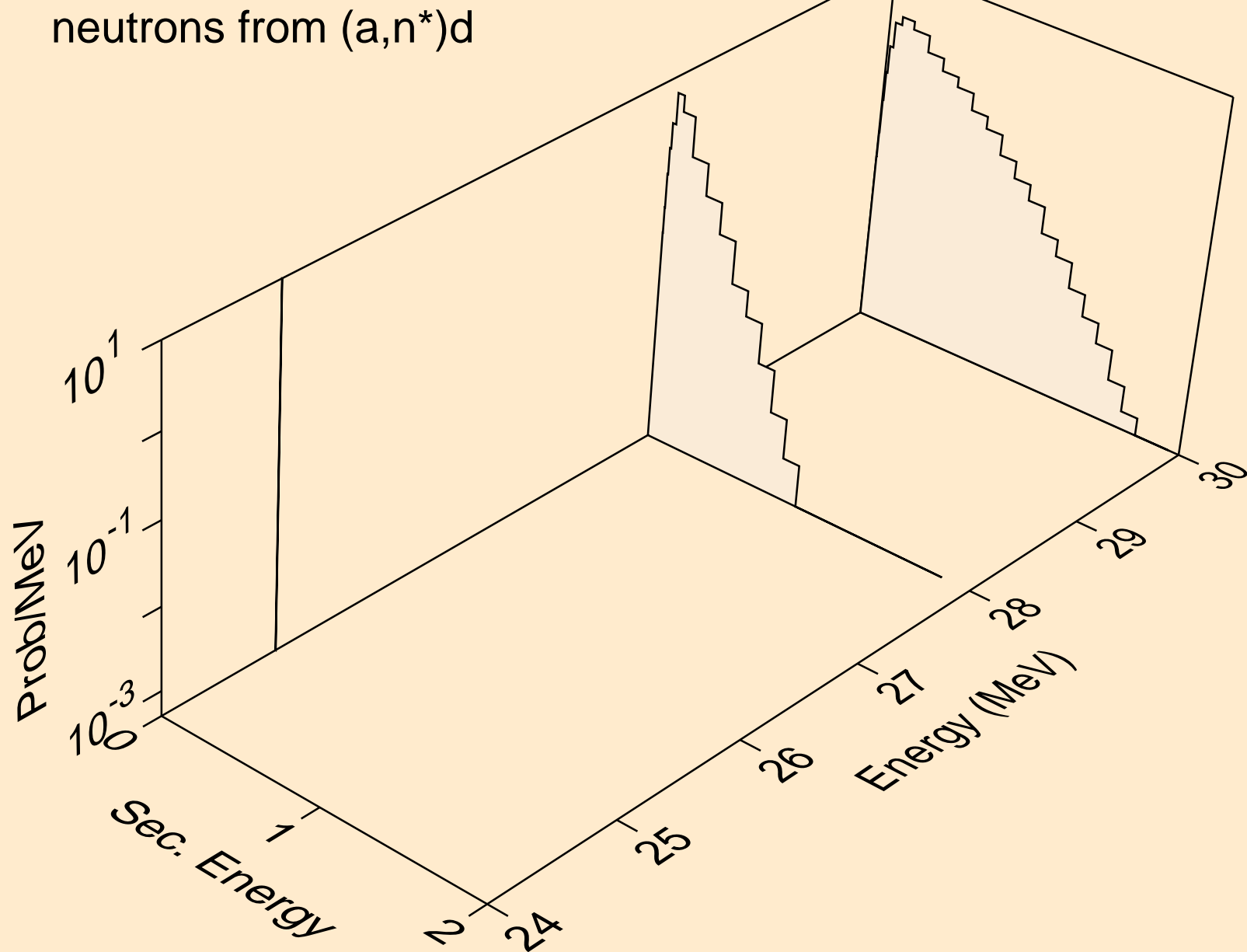
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)p



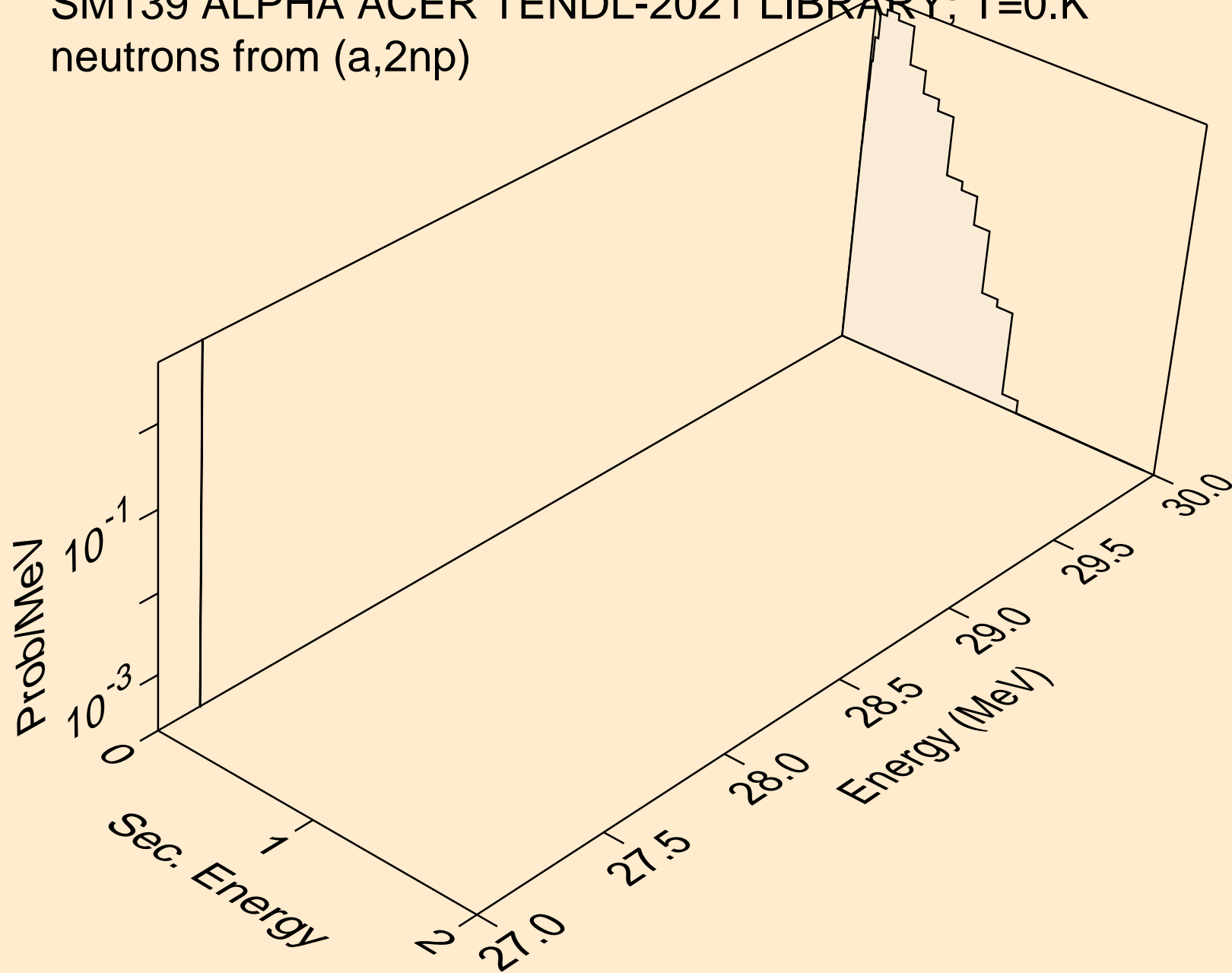
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neutrons from (a,n*)2a



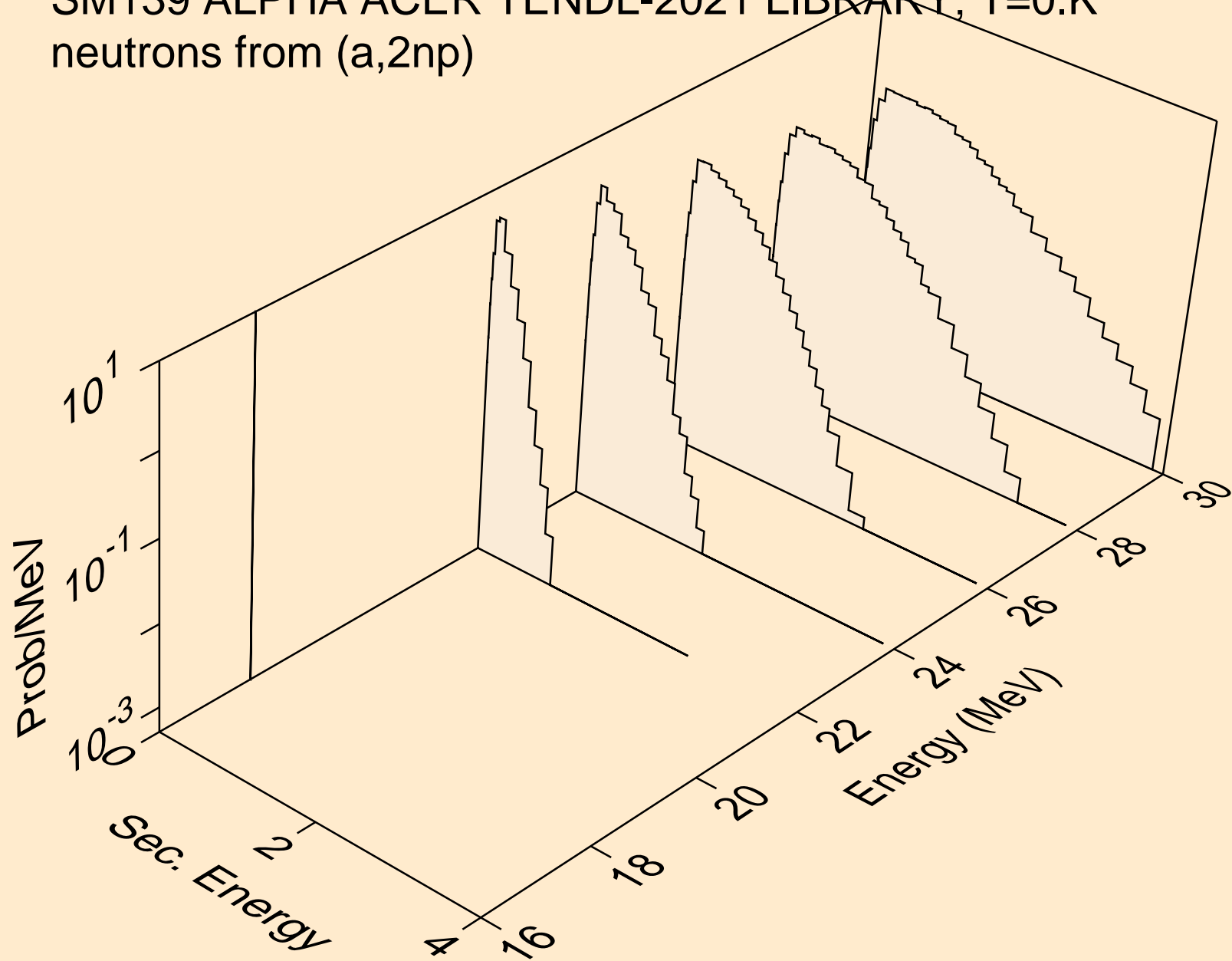
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)d



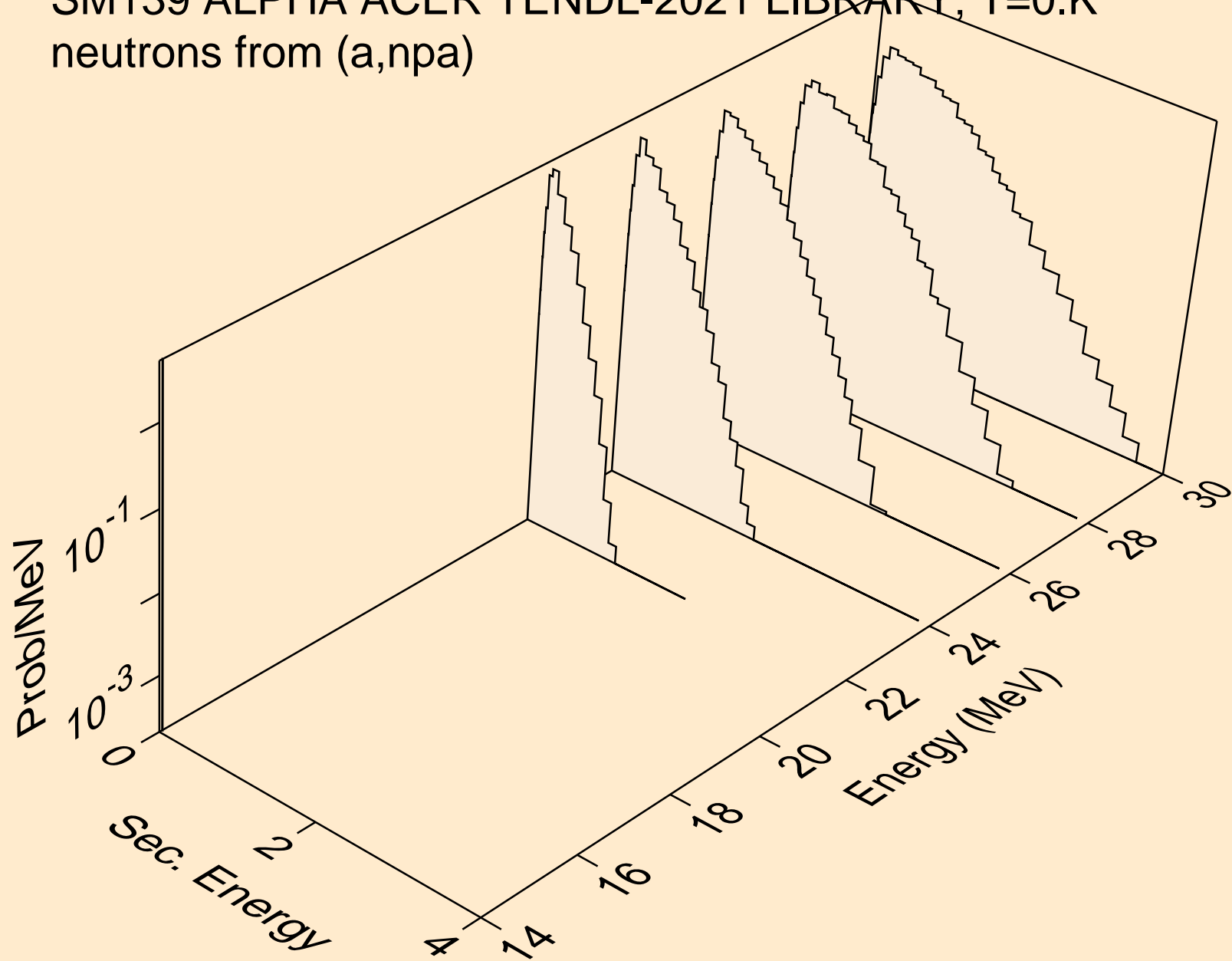
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2np)



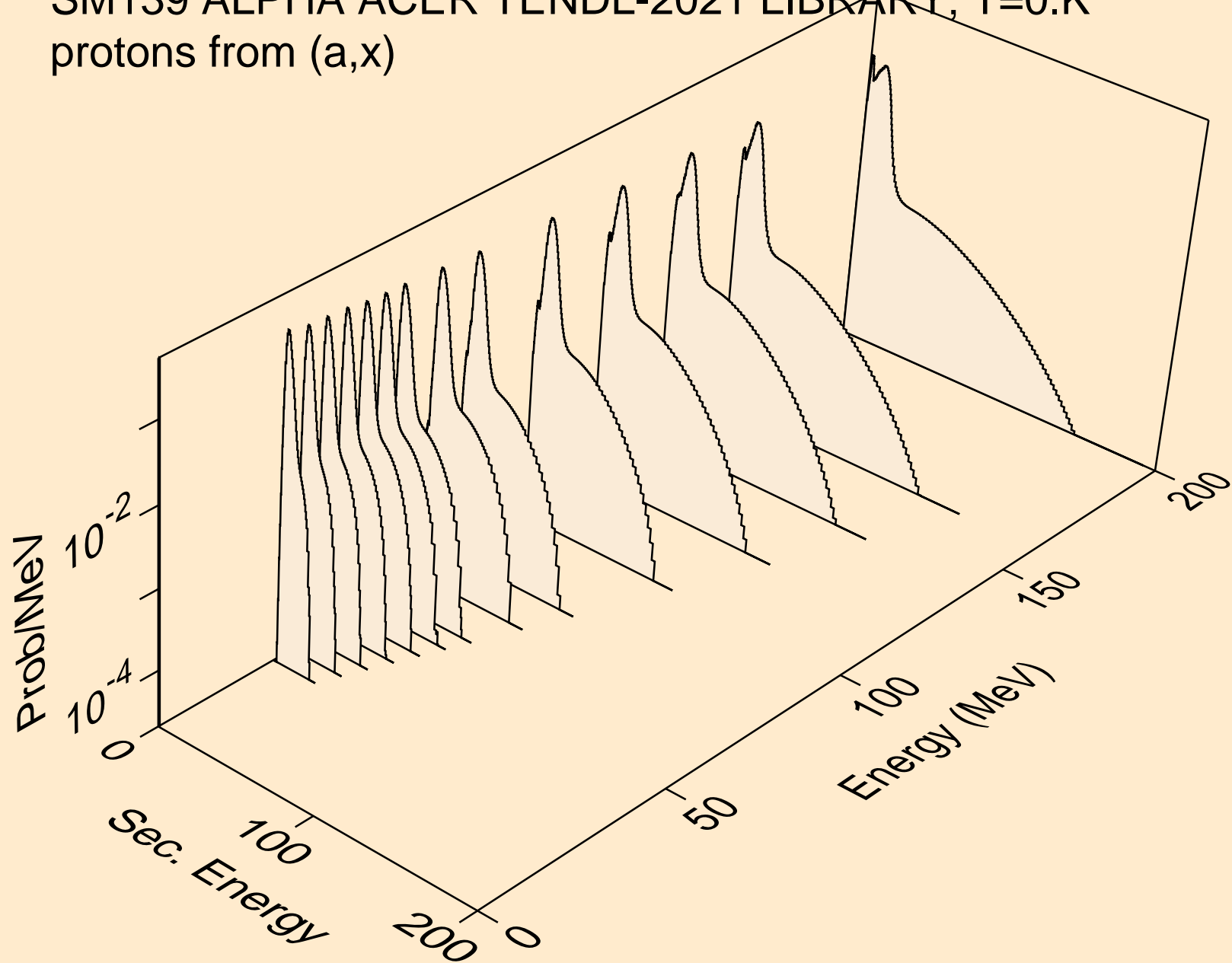
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neutrons from (a,2np)



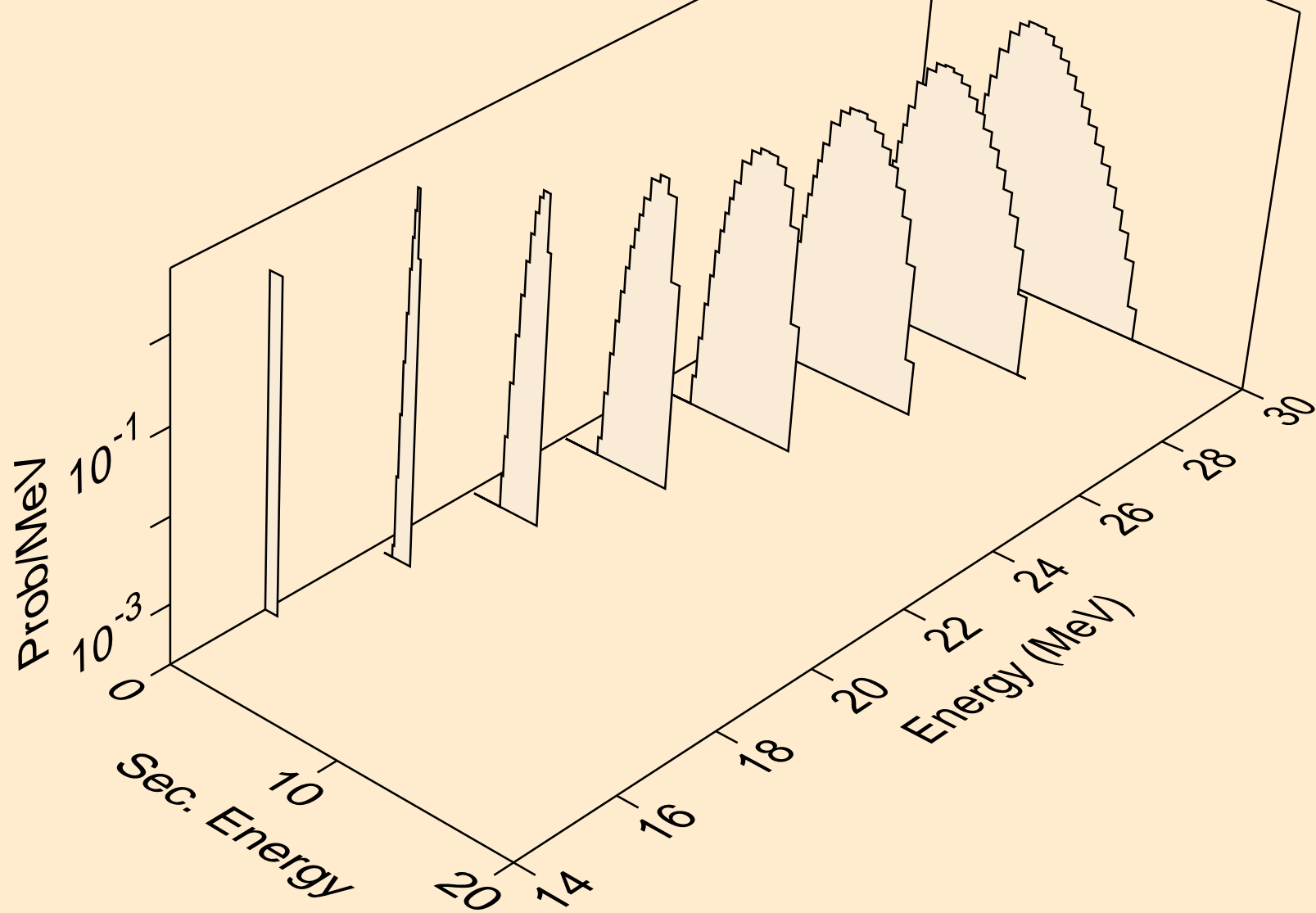
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neutrons from (a,npa)



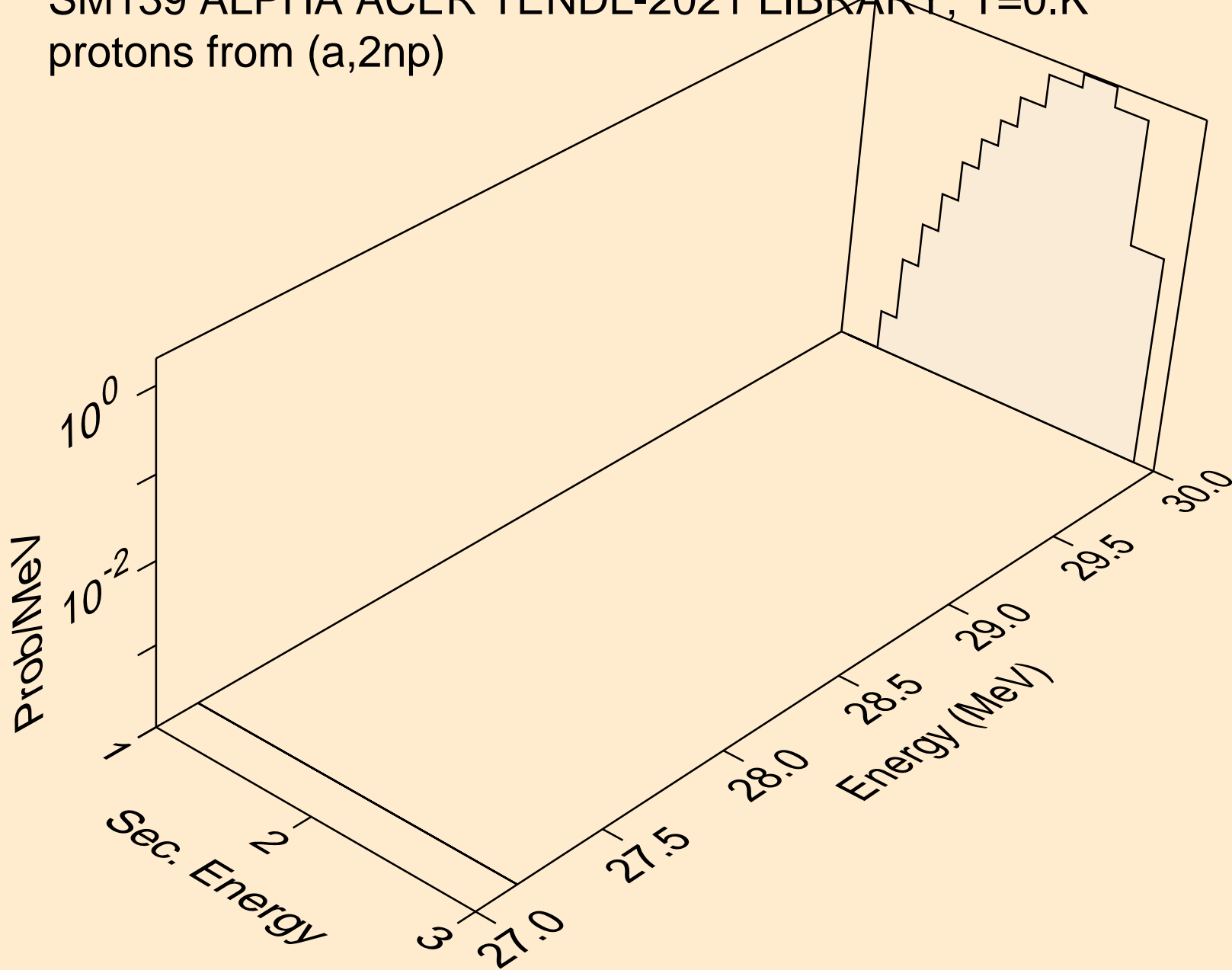
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,x)



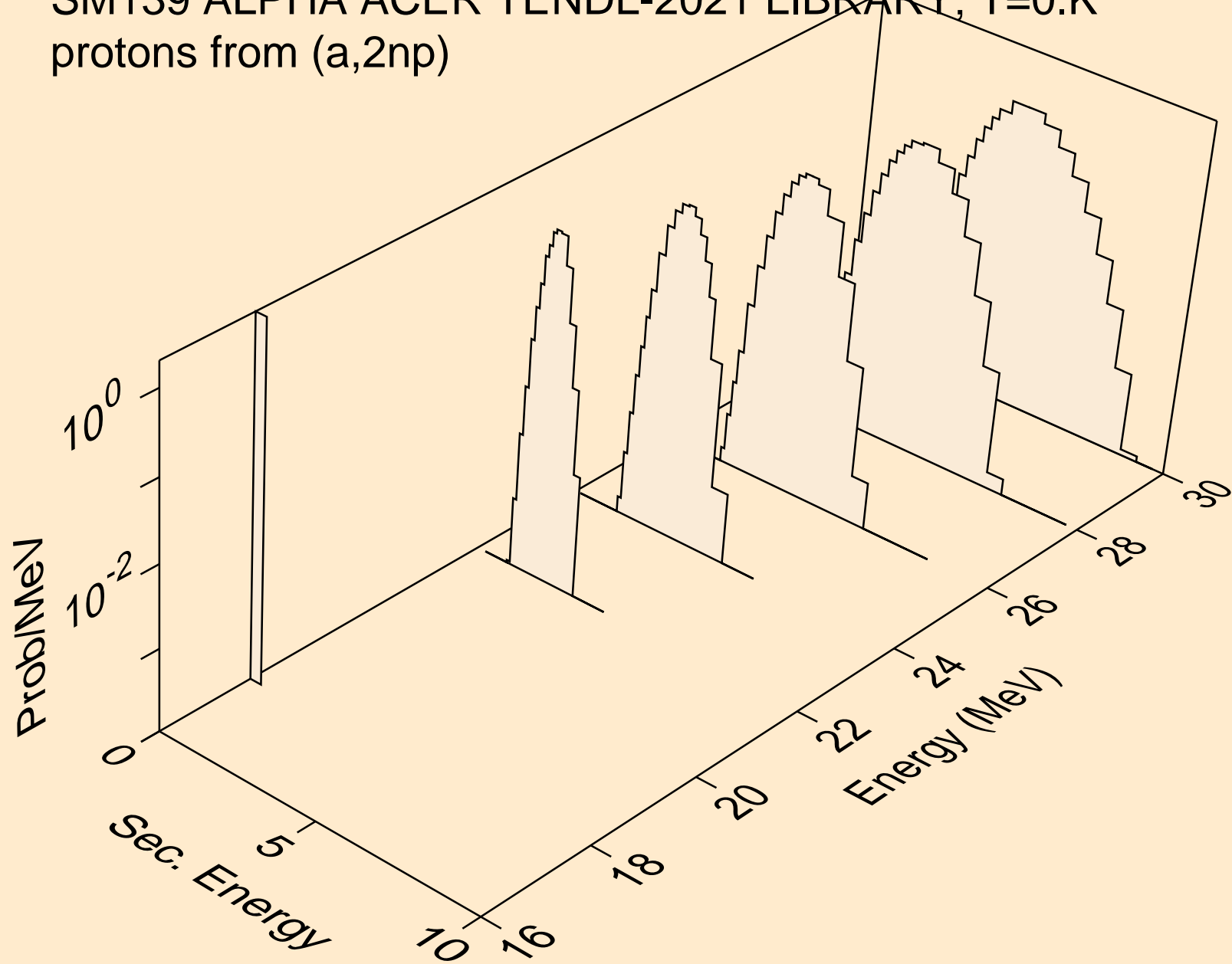
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protons from (a,n*)p



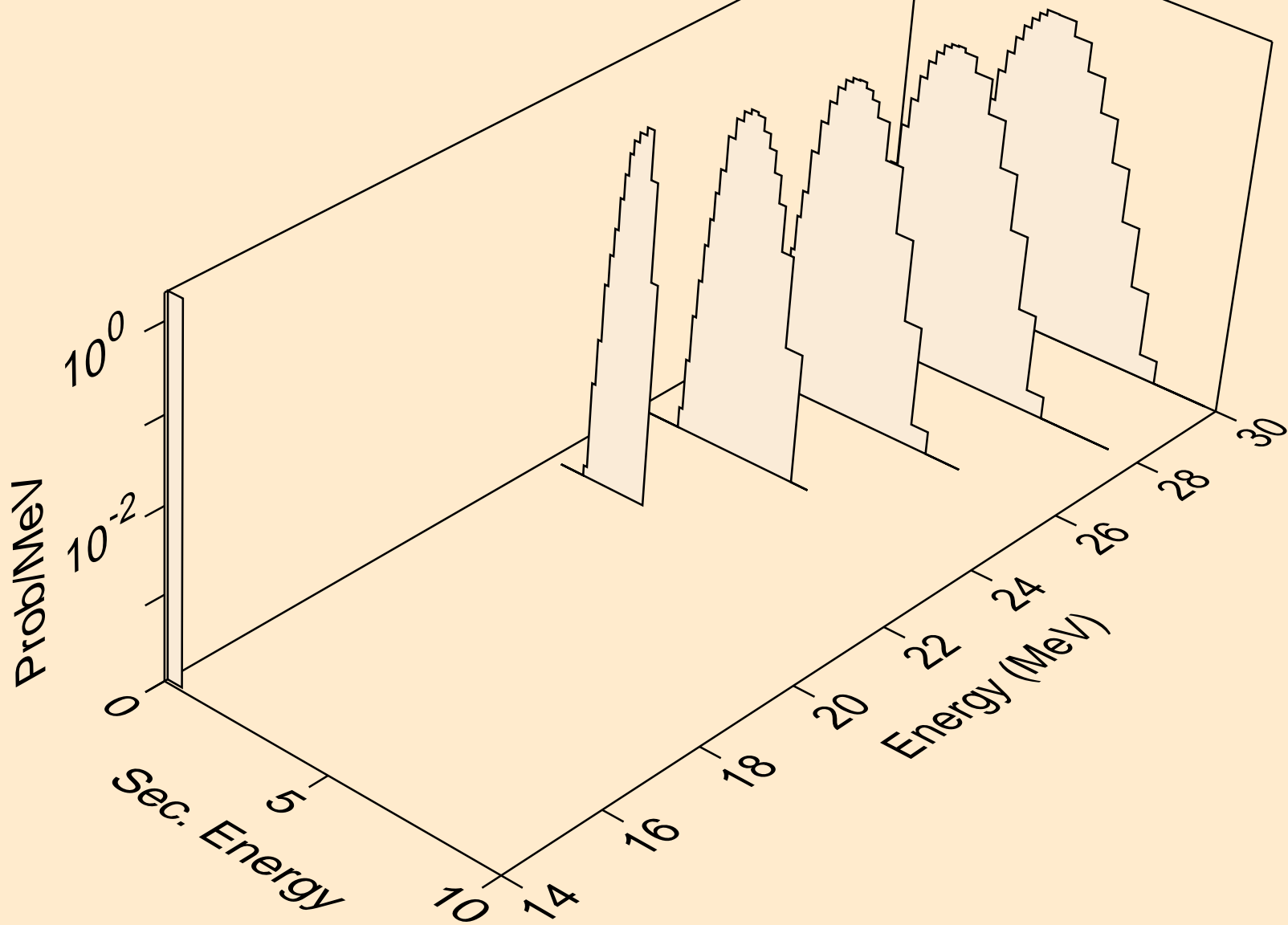
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protons from (a,2np)



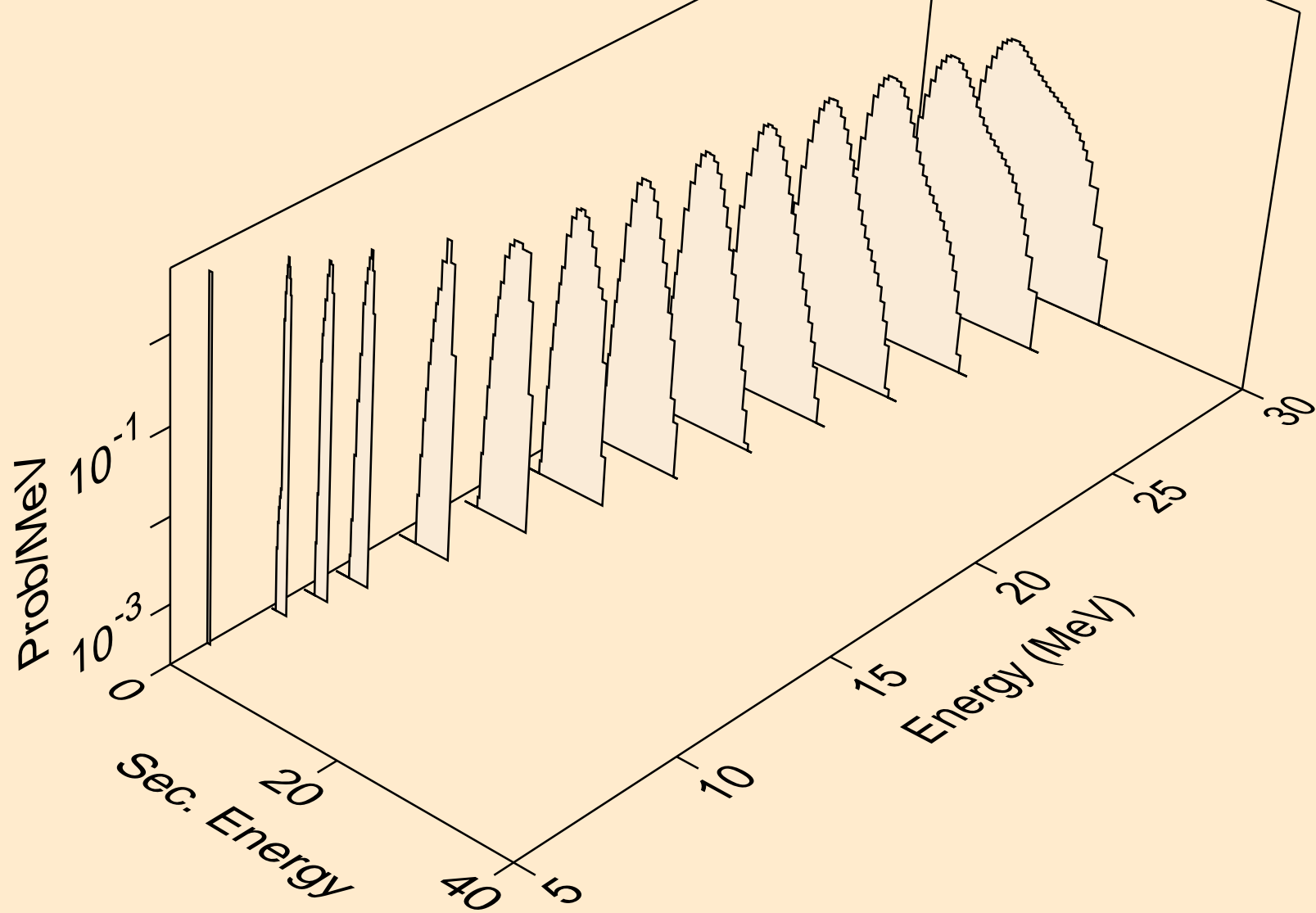
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protons from (a,2np)



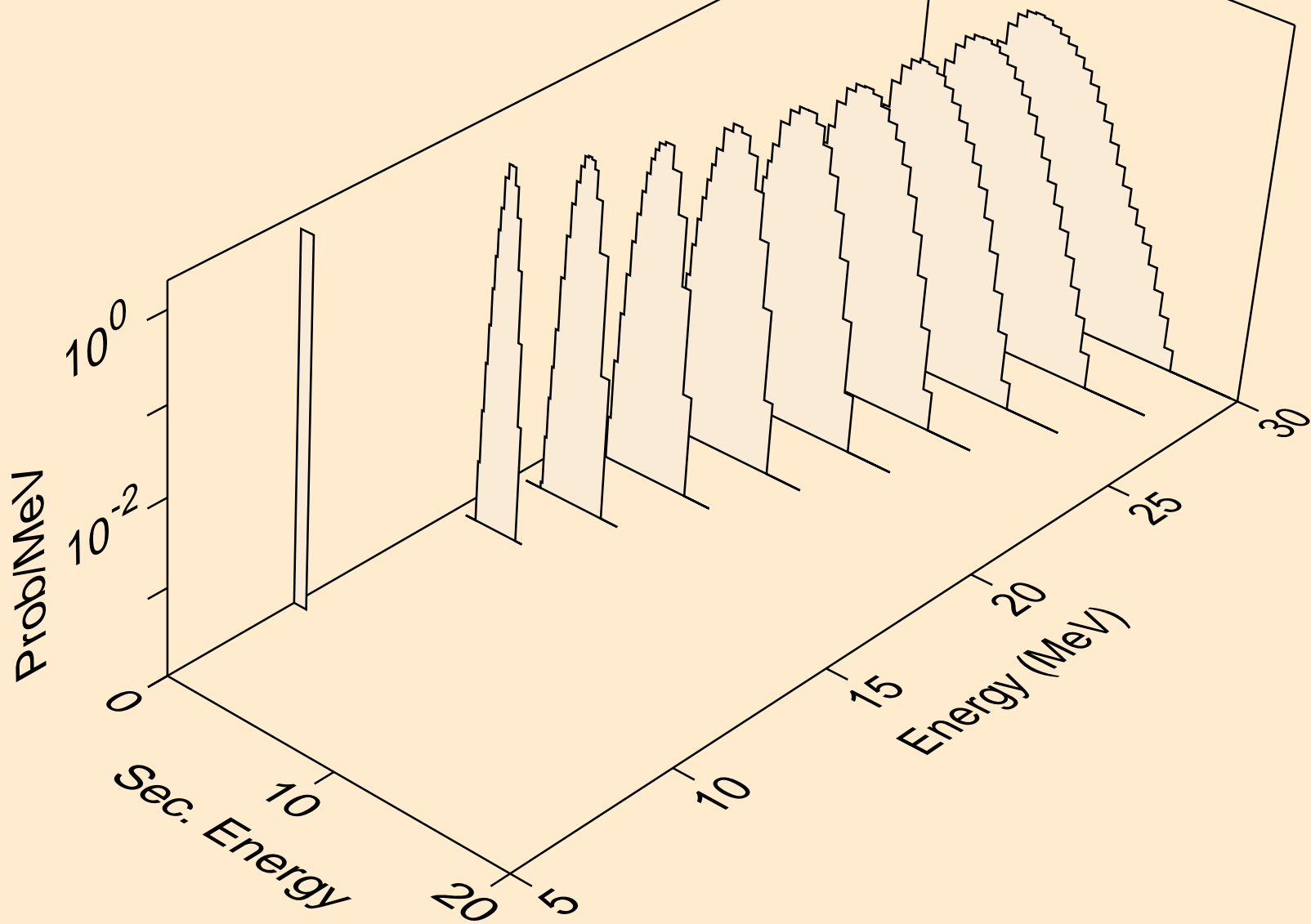
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protons from (a,npa)



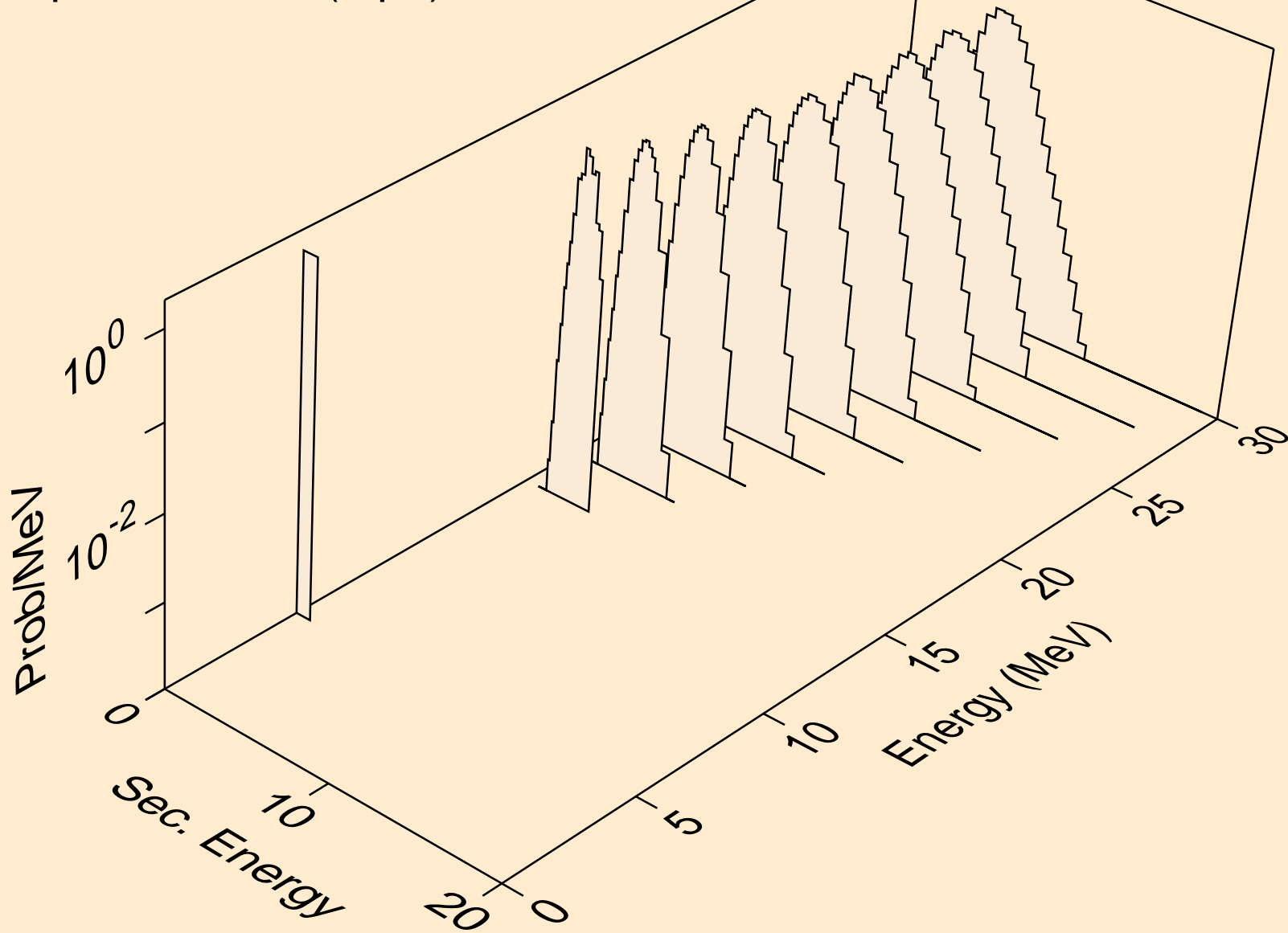
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protons from (a,p)



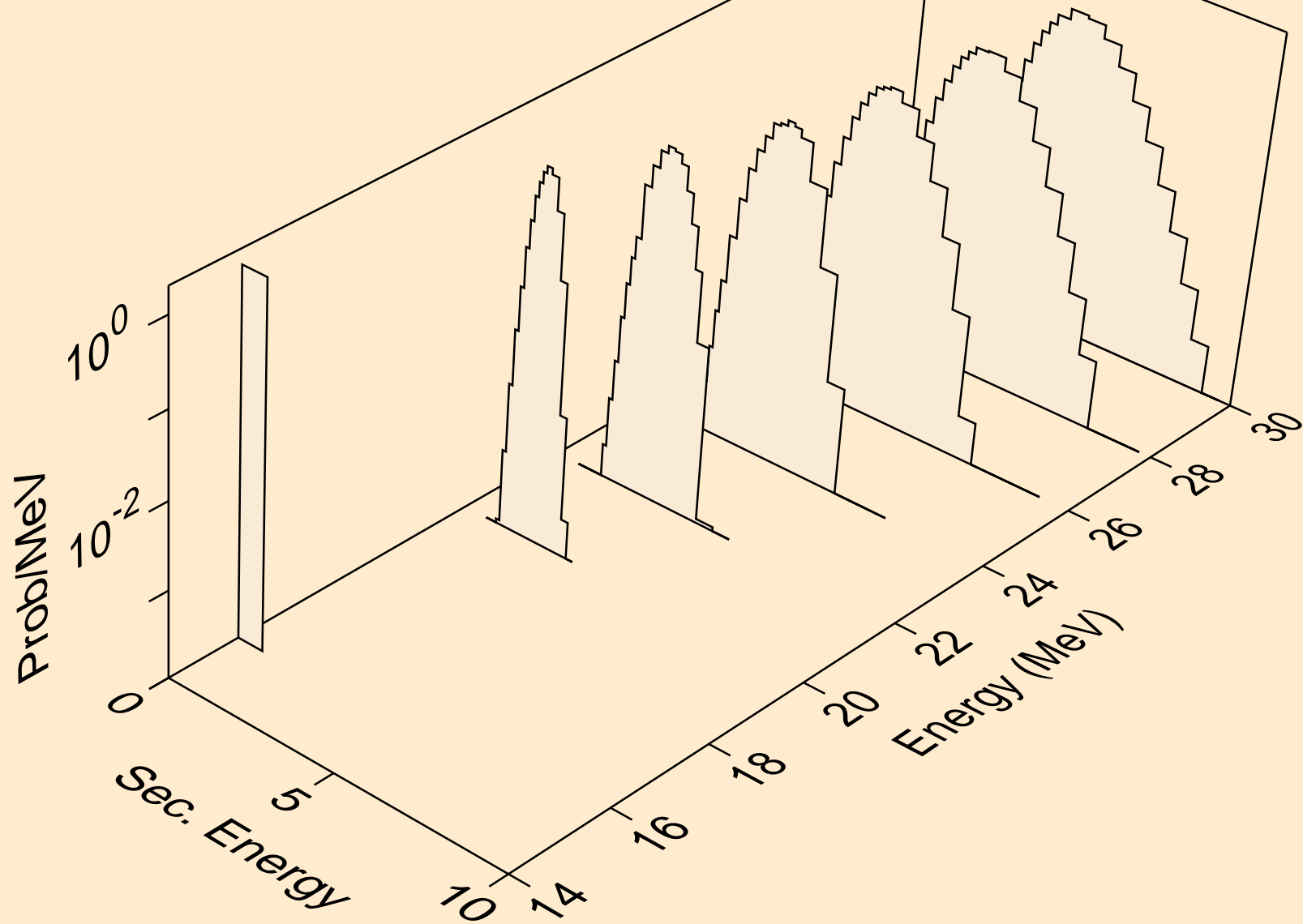
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protons from (a,2p)



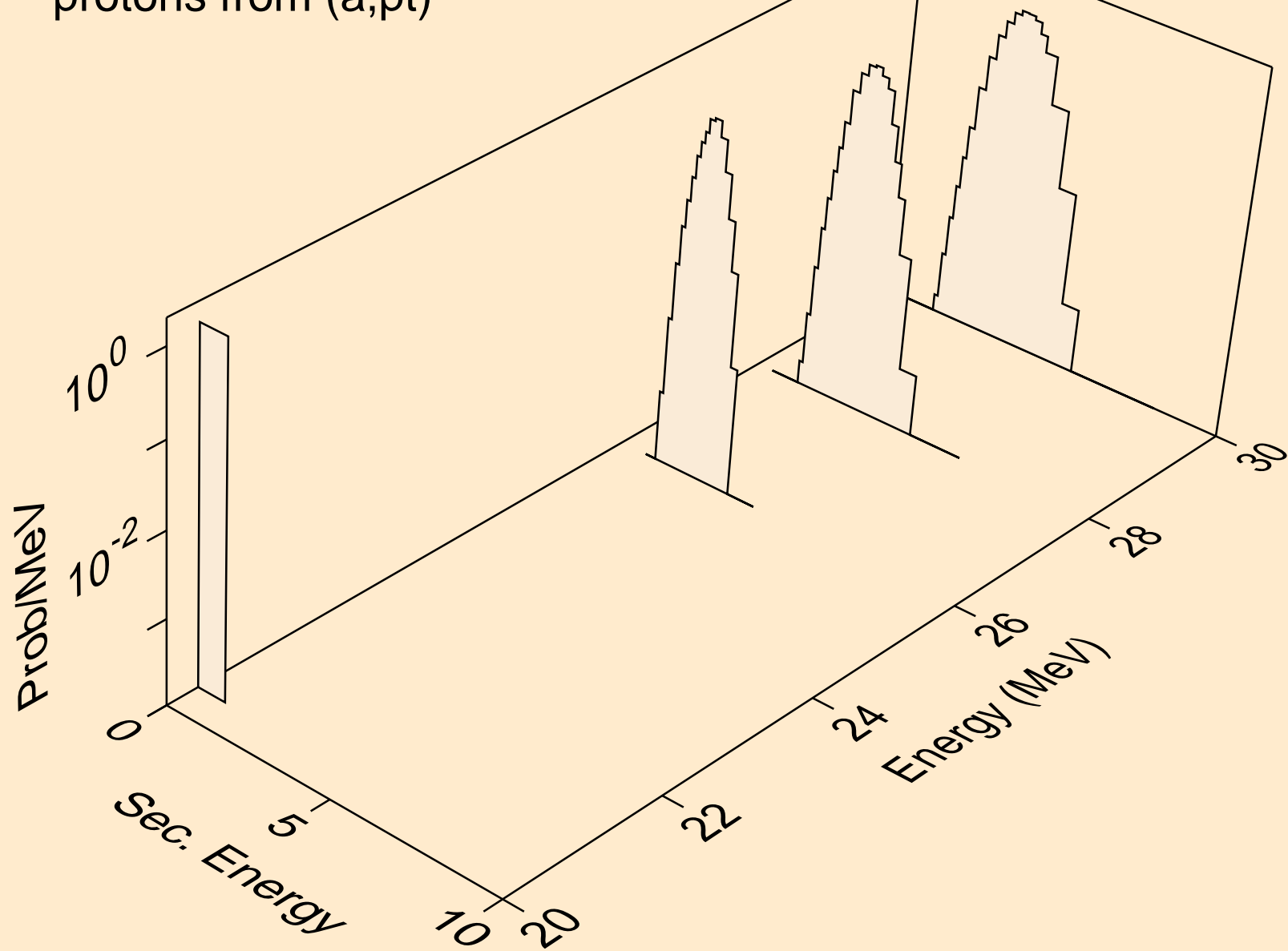
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protons from (a,pa)



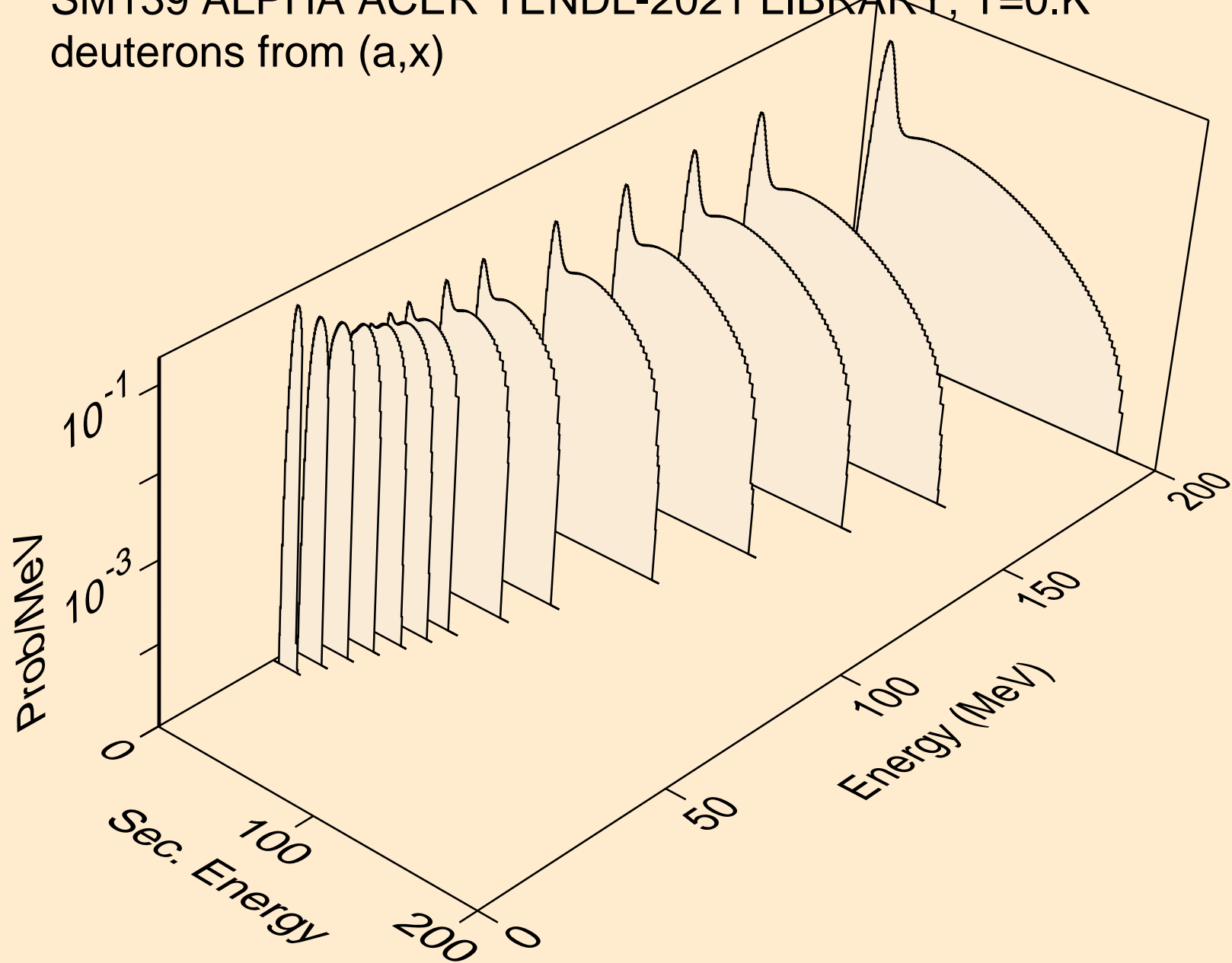
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protons from (a,pd)



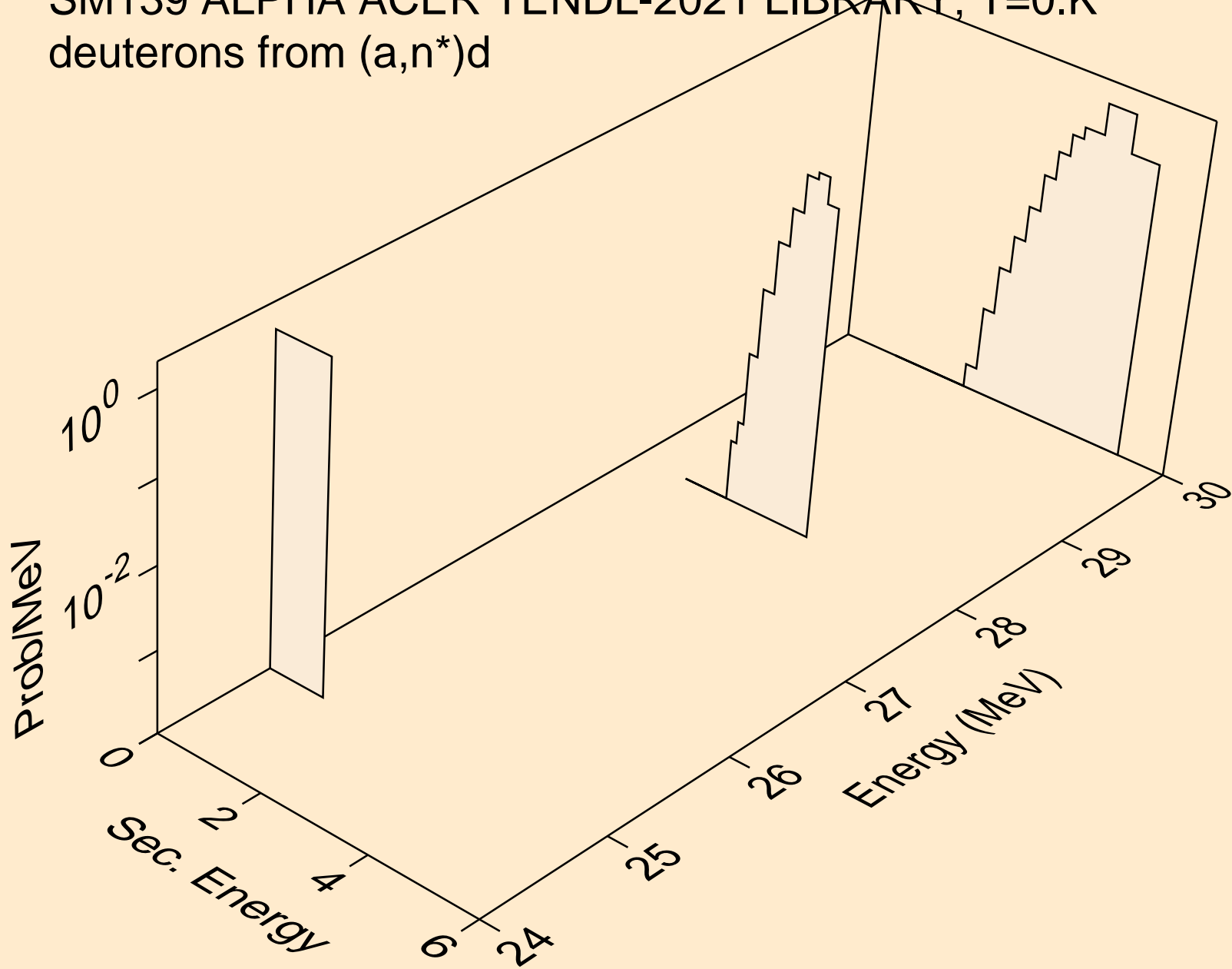
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protons from (a,pt)



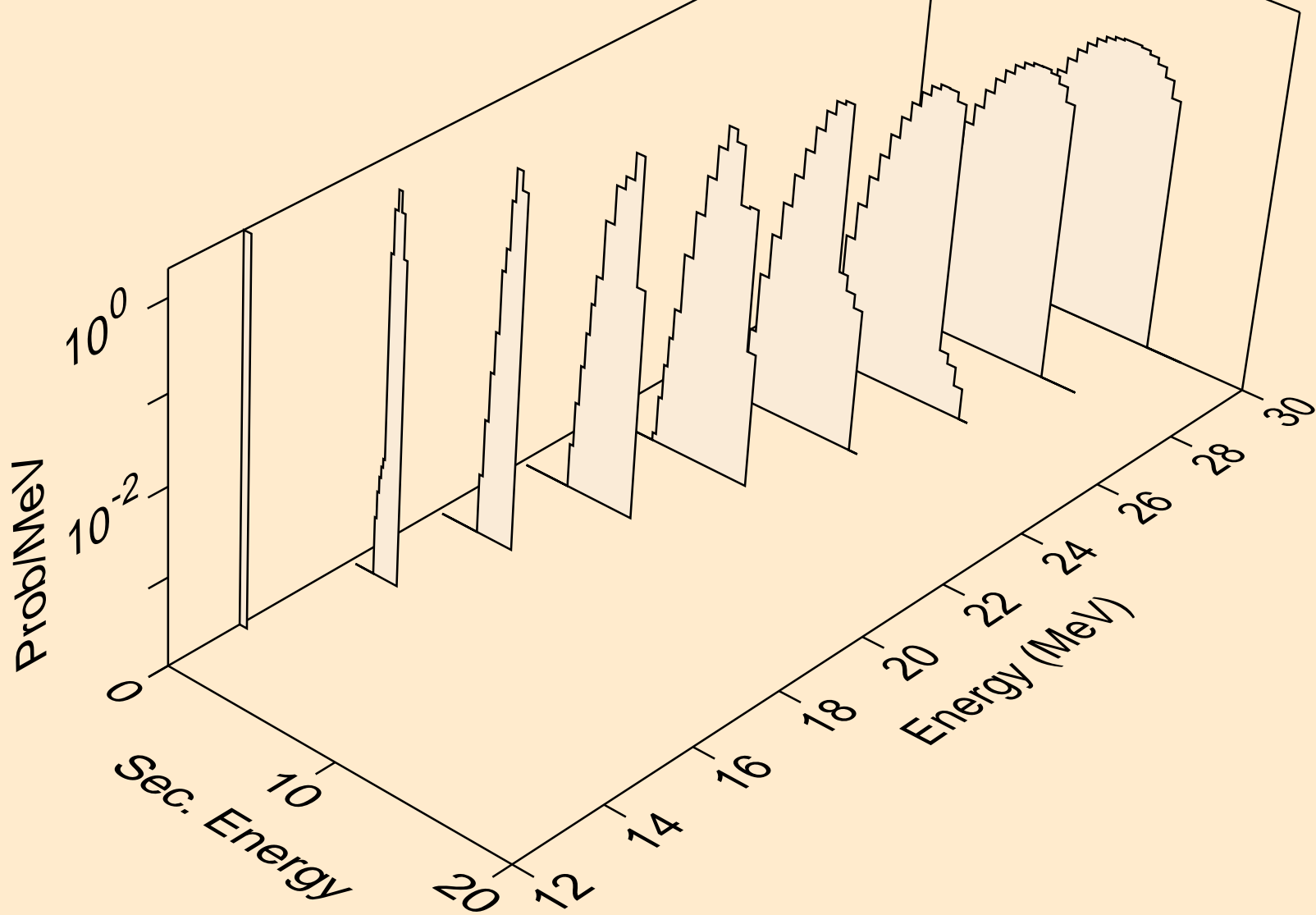
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deuterons from (a,x)



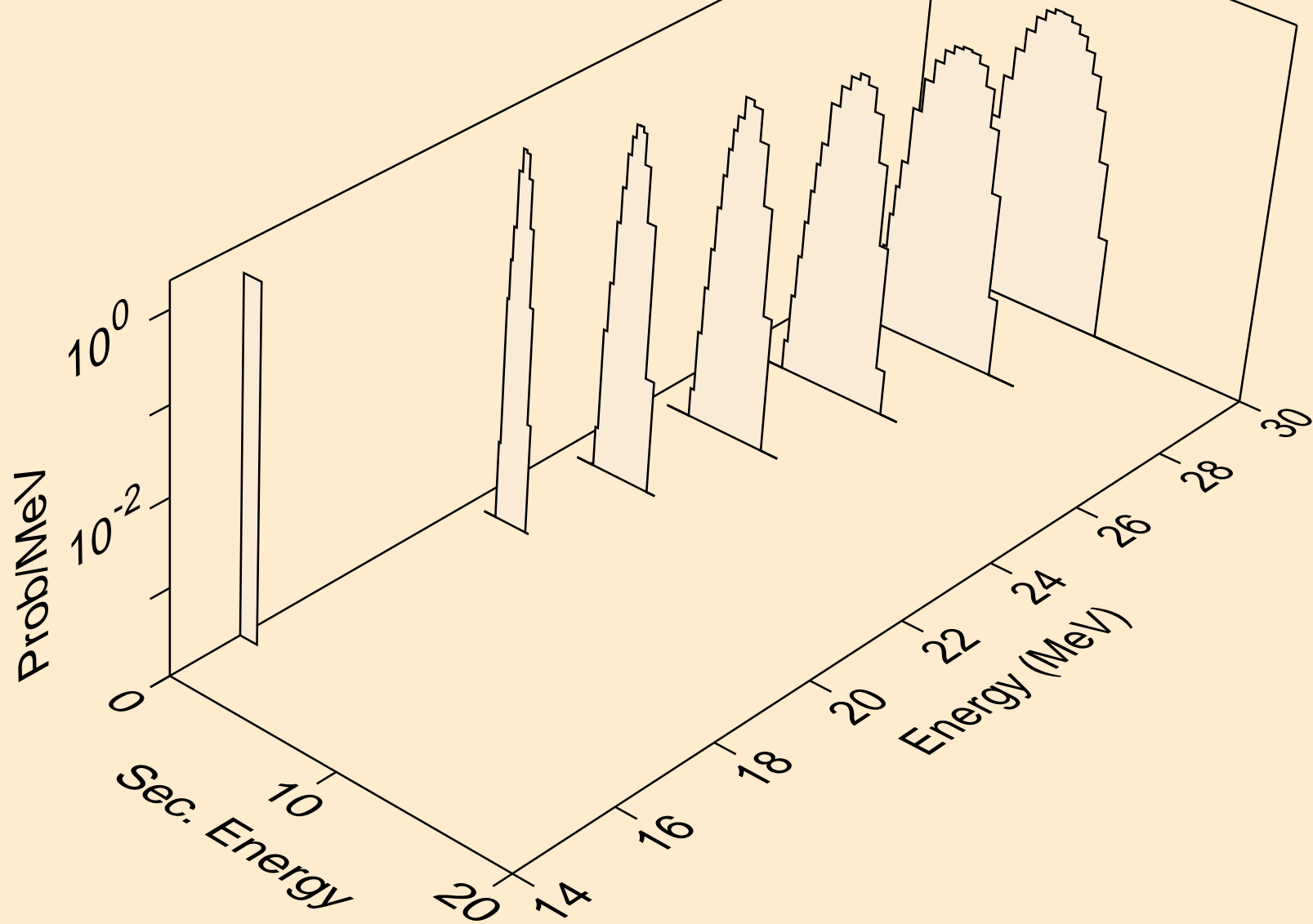
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,n*)d



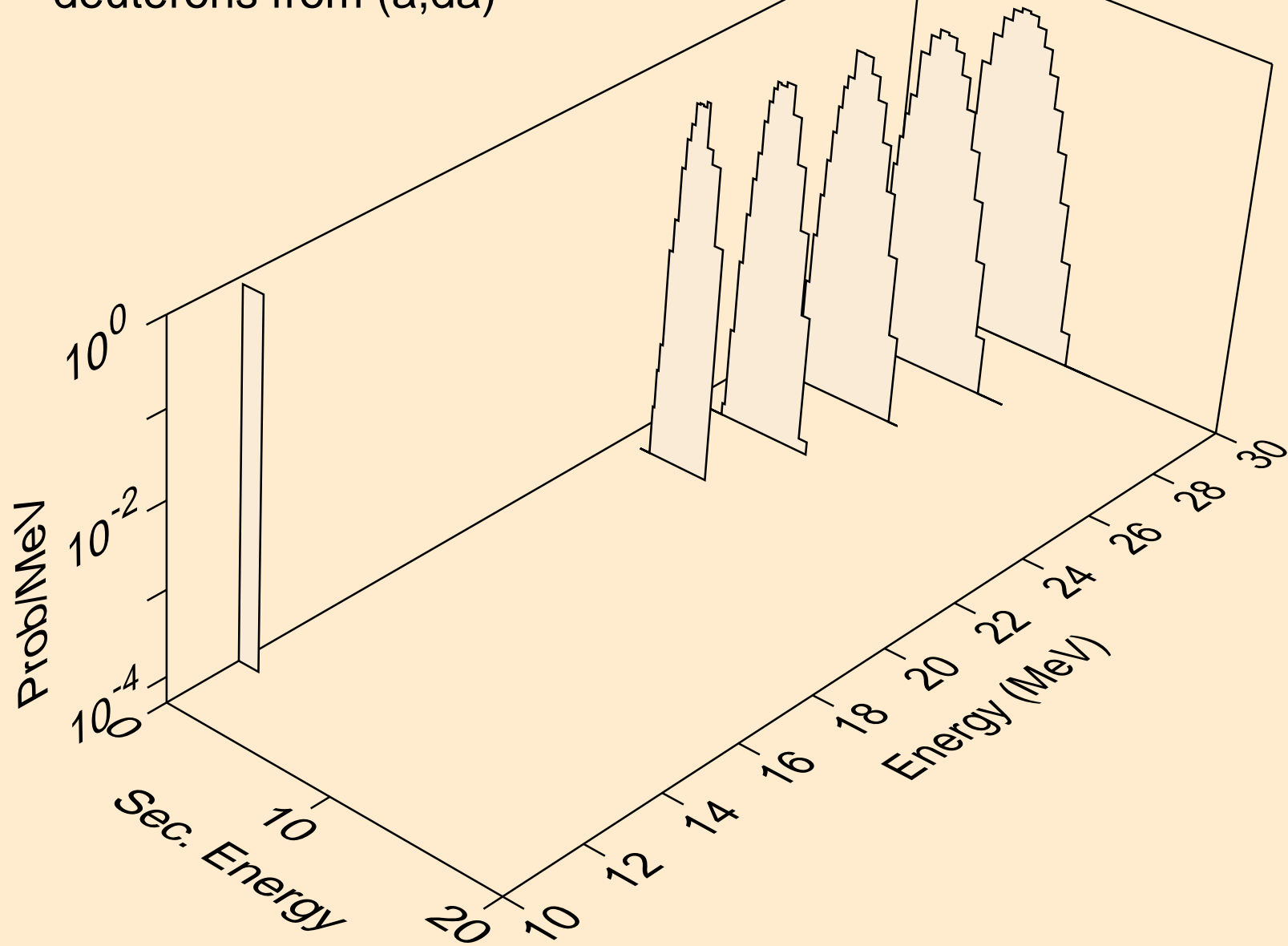
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)



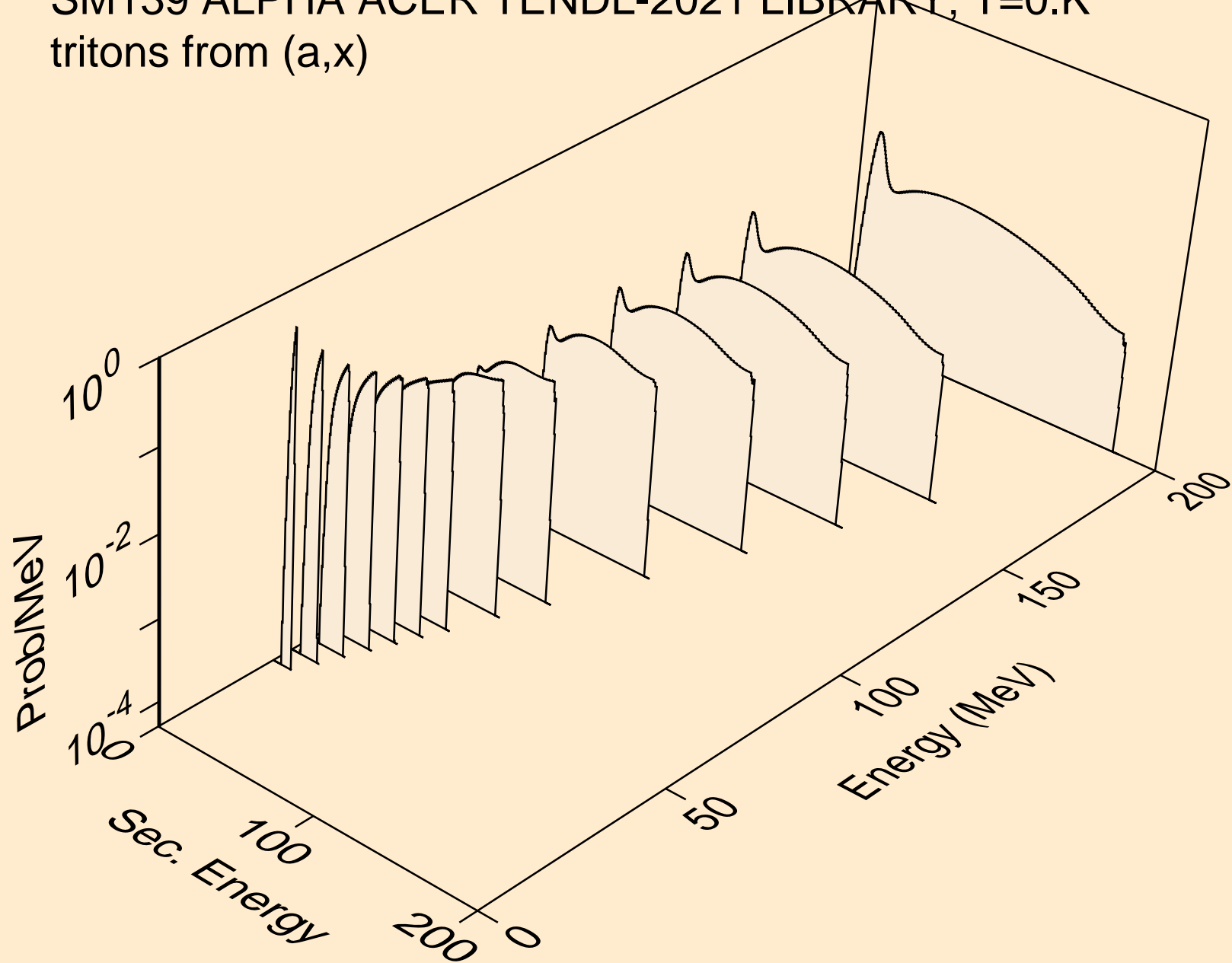
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,pd)



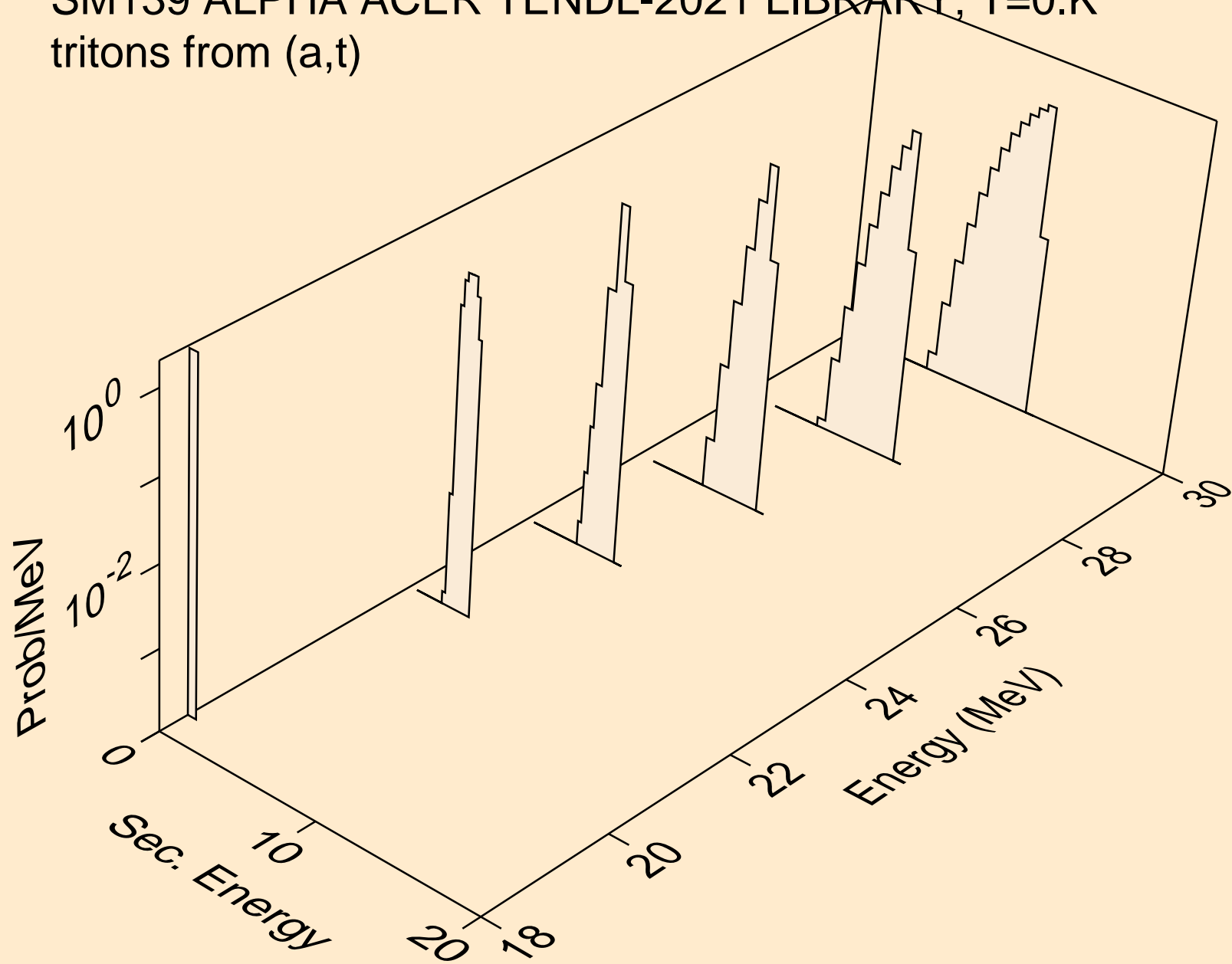
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,da)



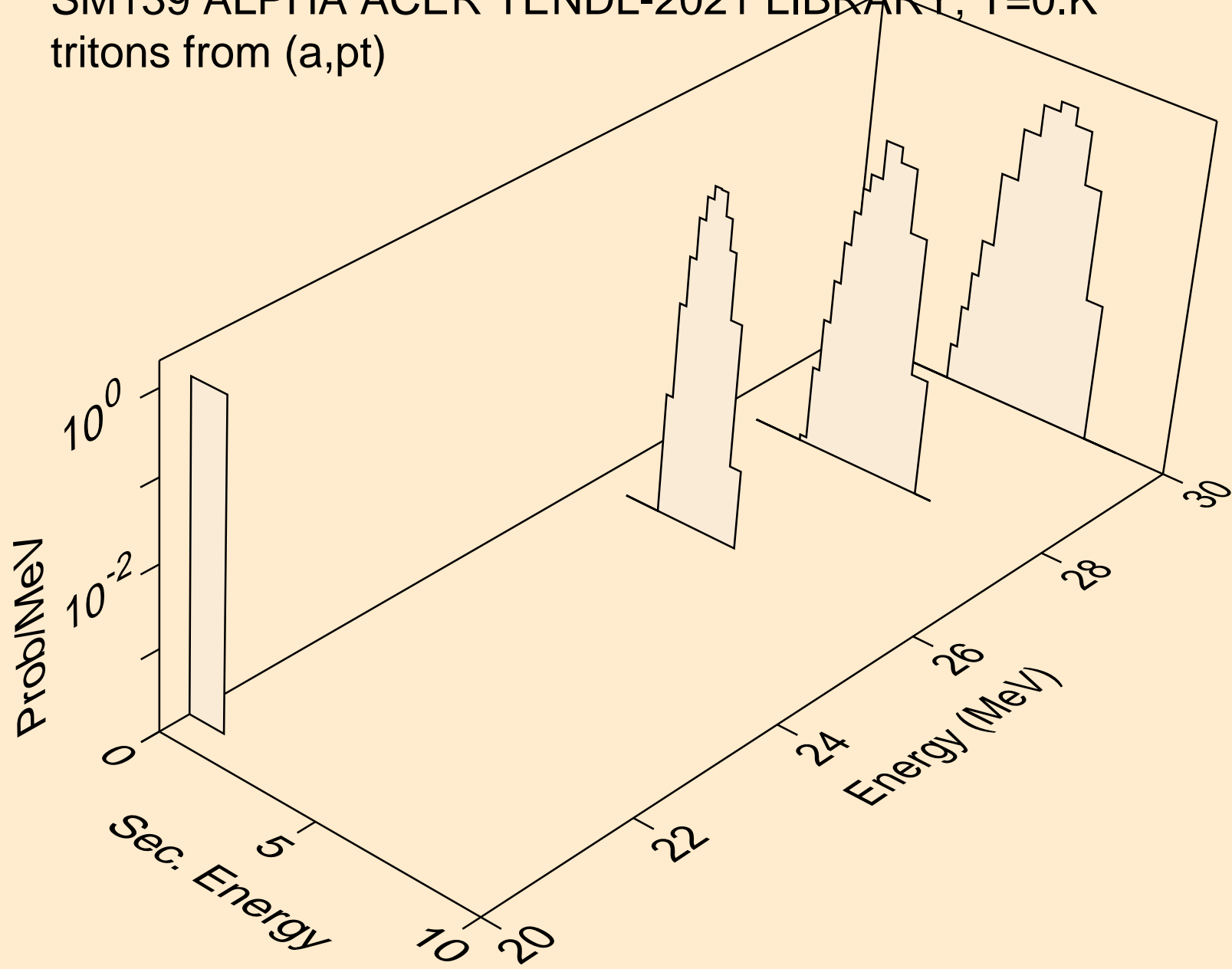
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)



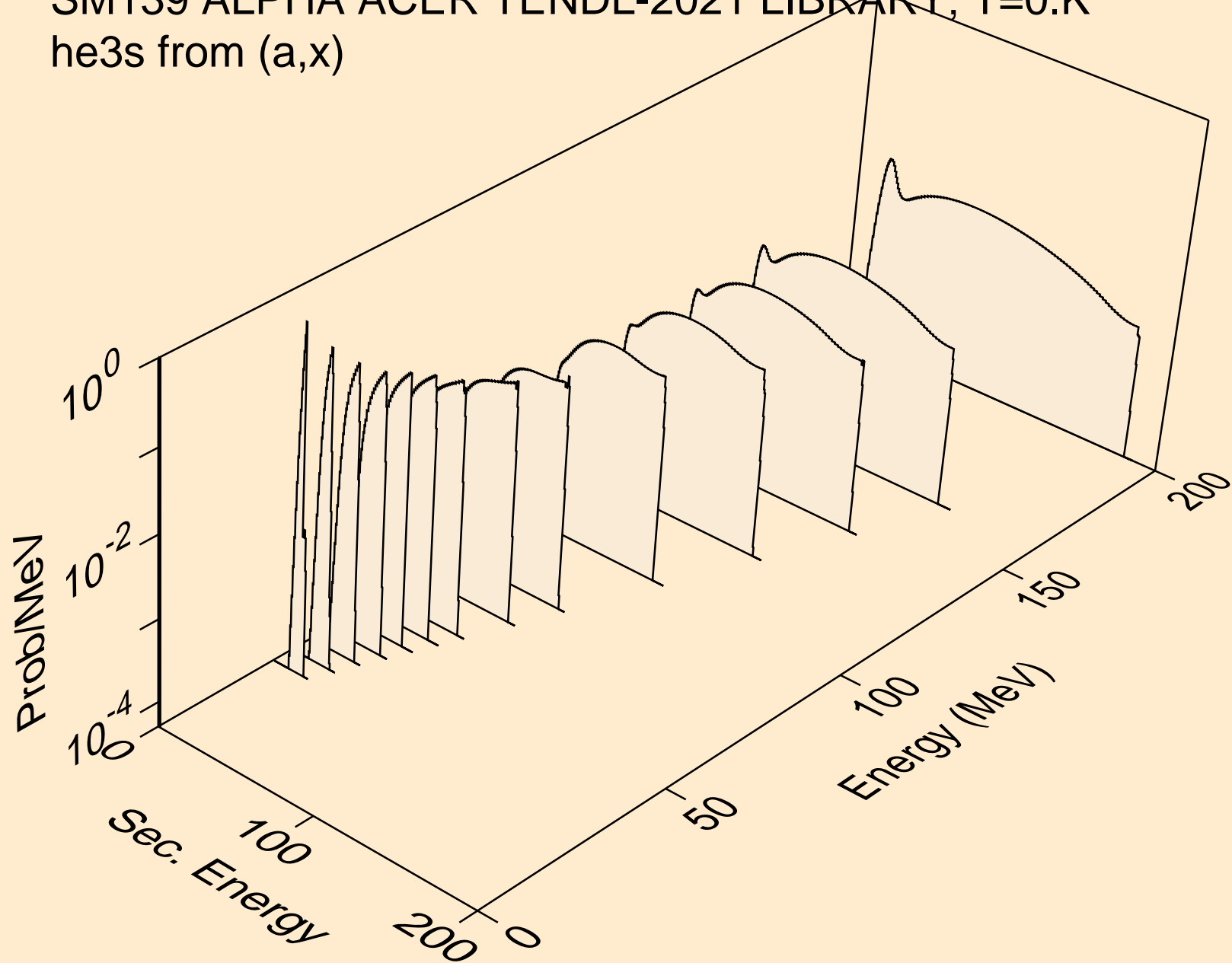
SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,pt)



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)



SM139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,he3)

