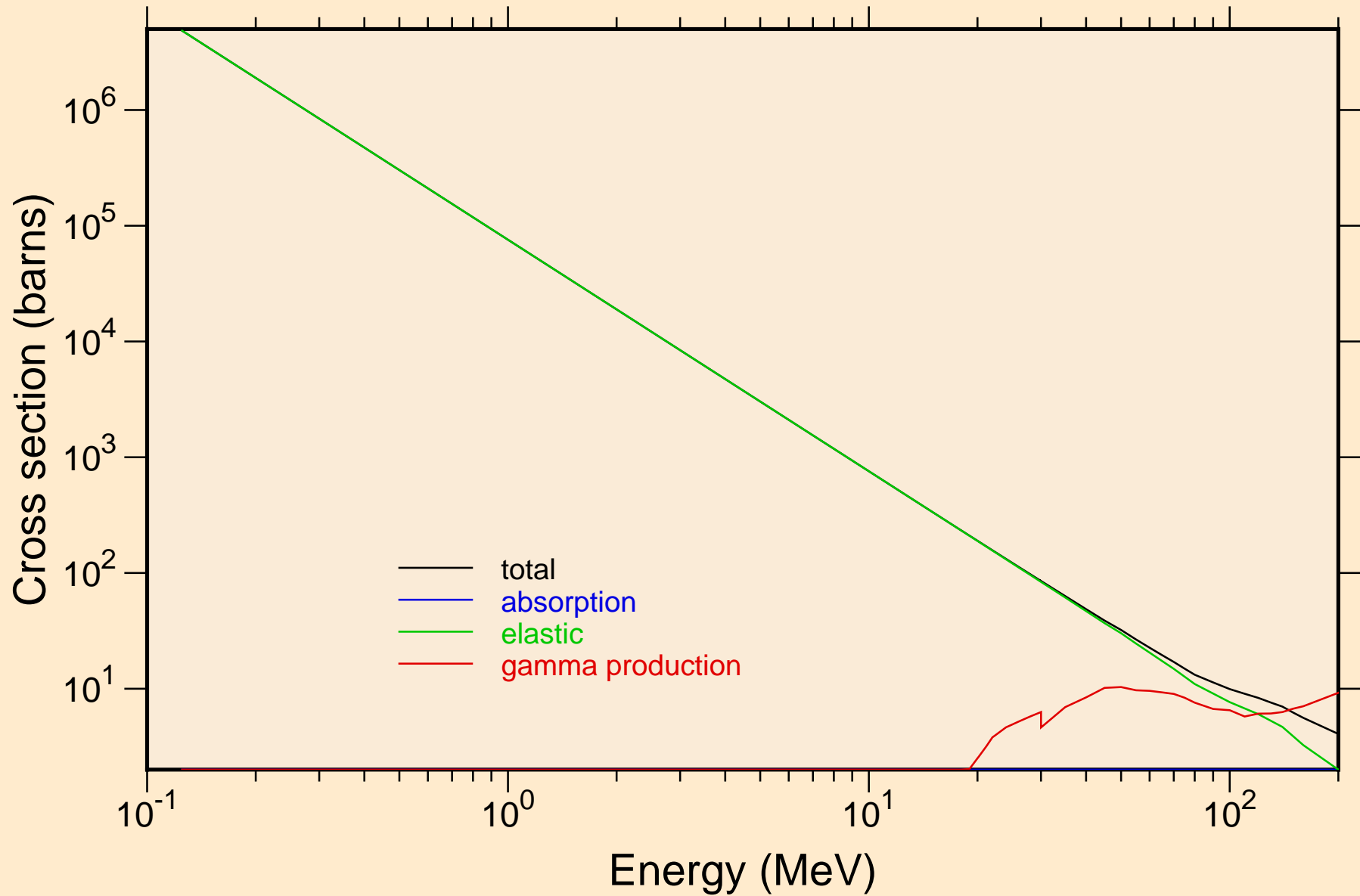
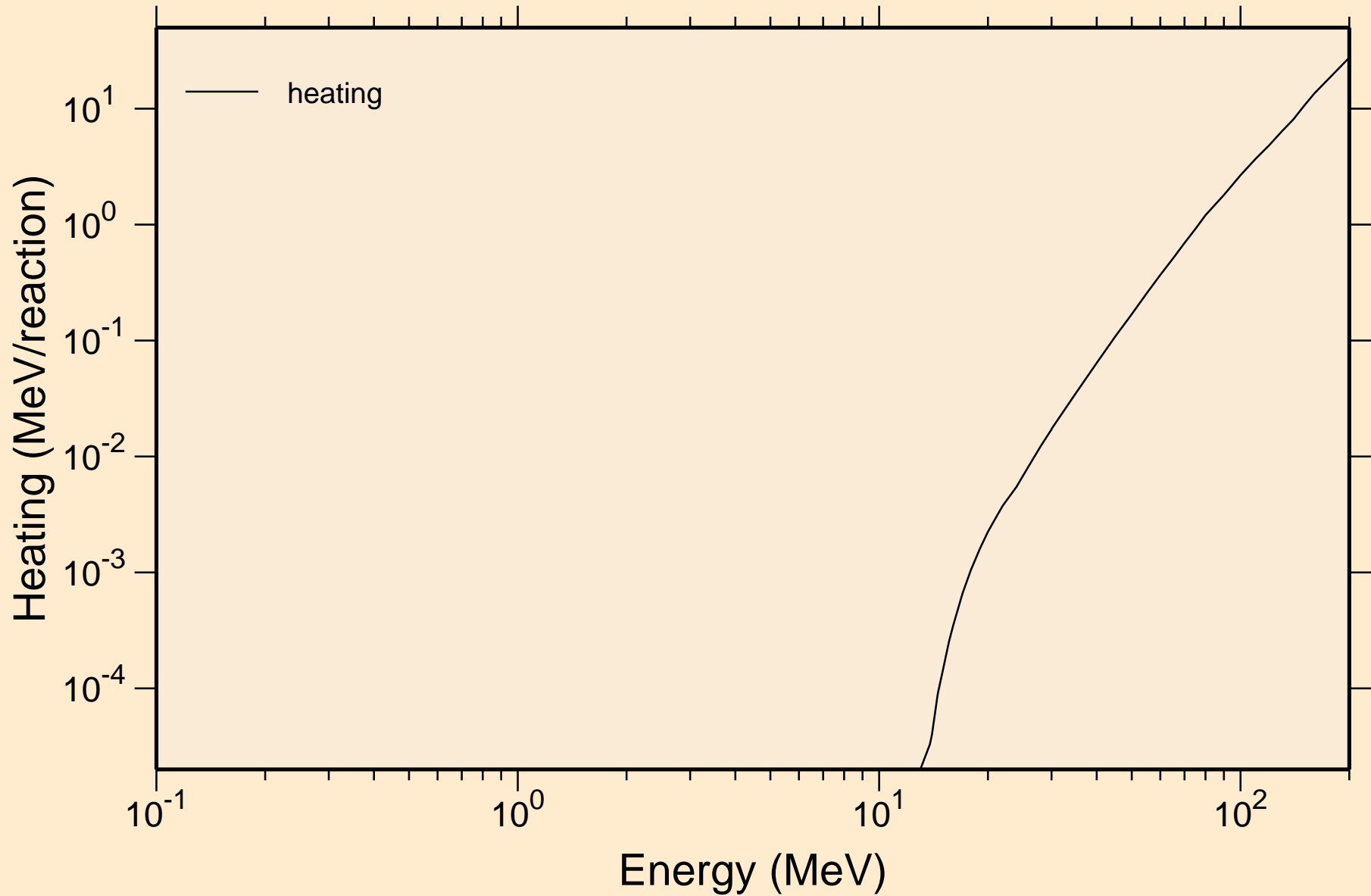


XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections



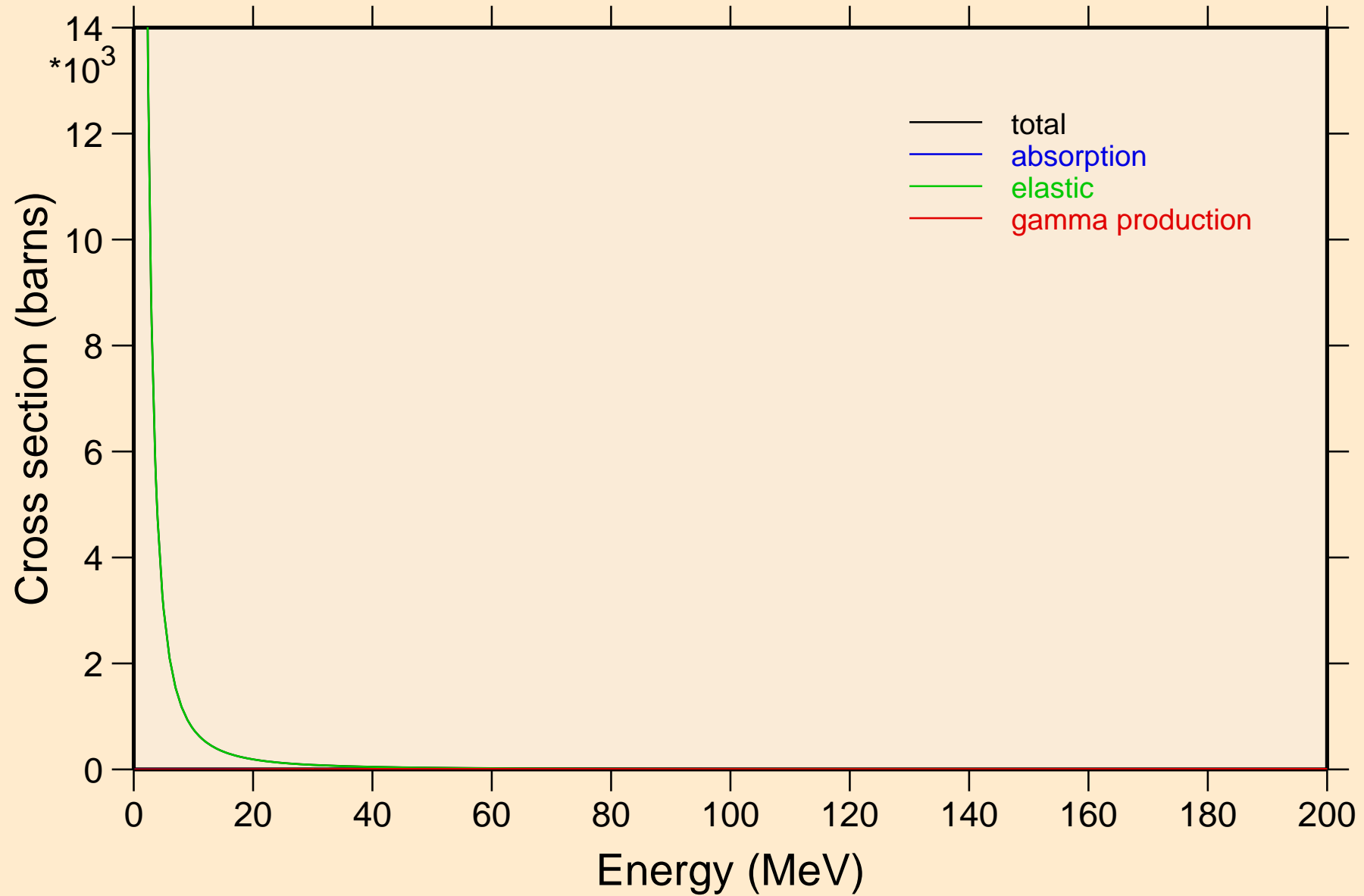
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



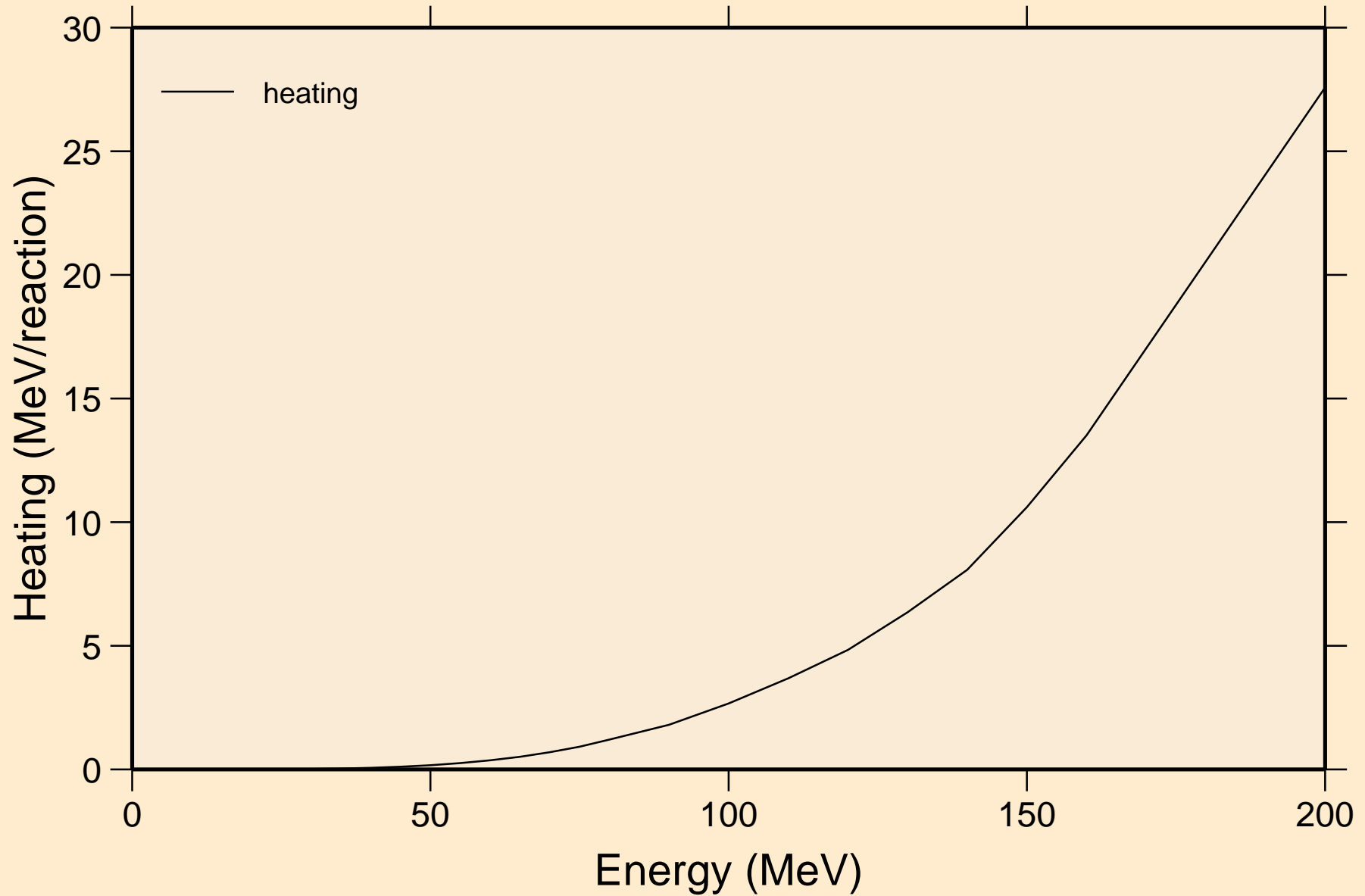
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections

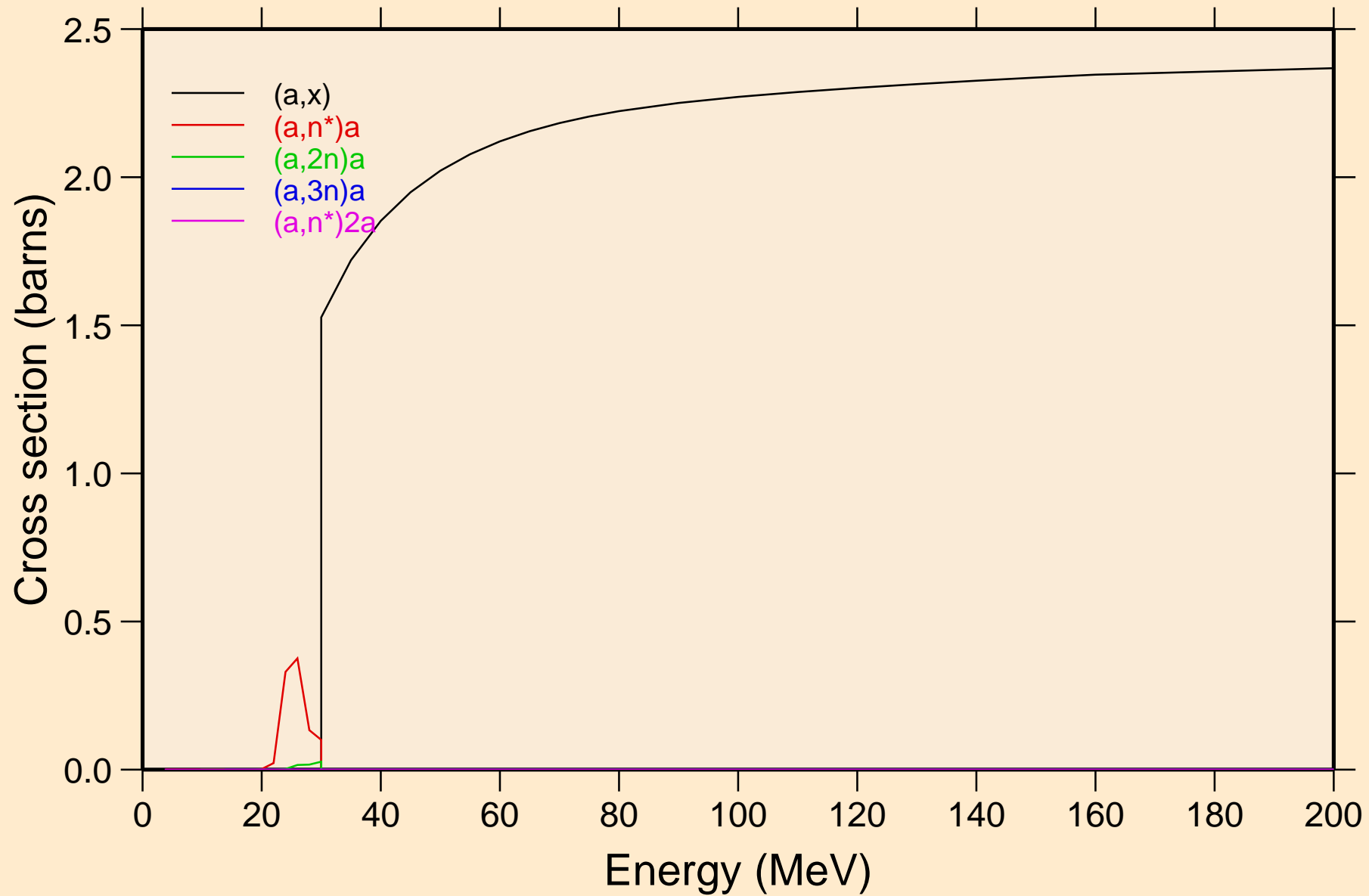


XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

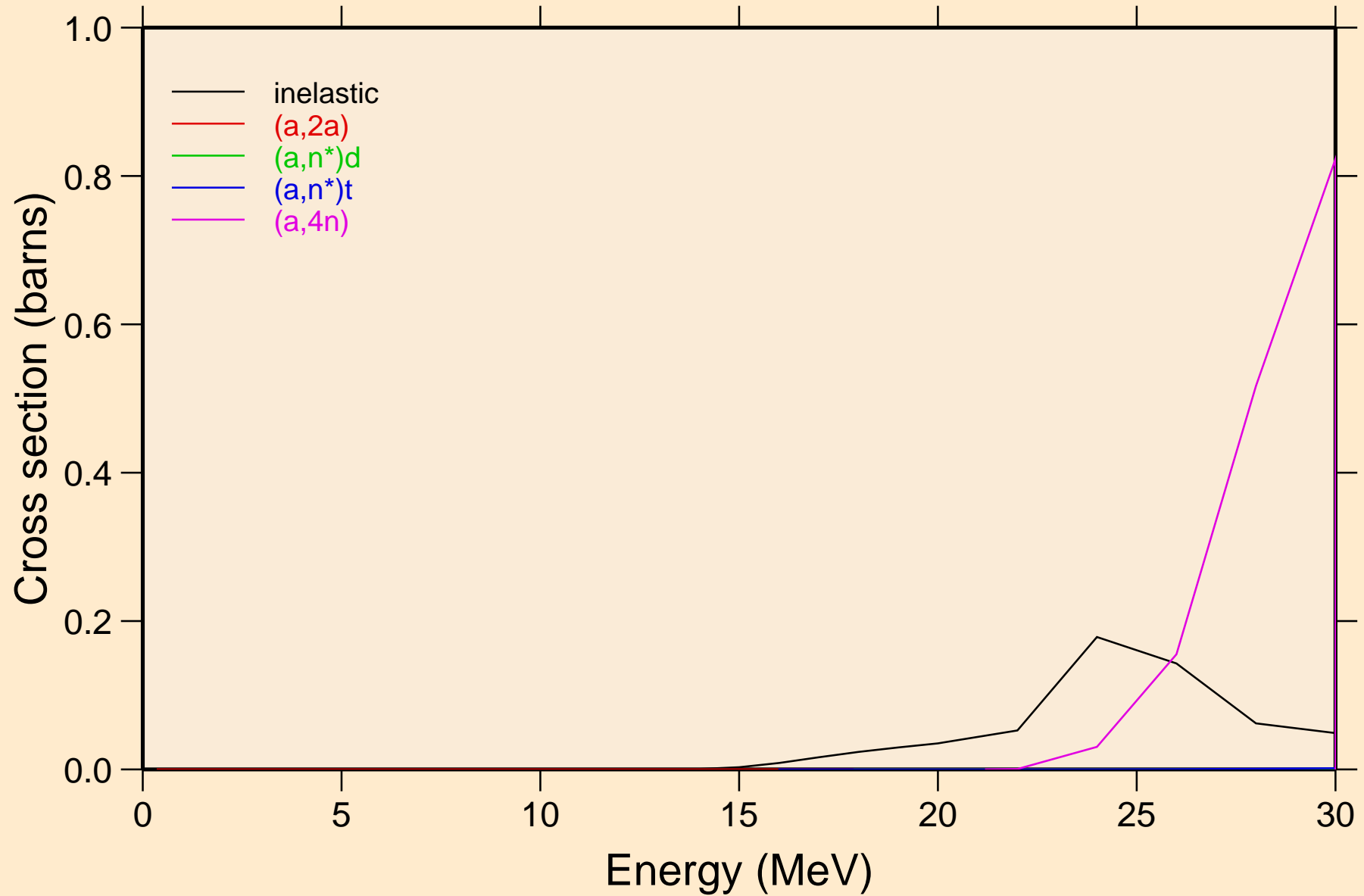
Heating



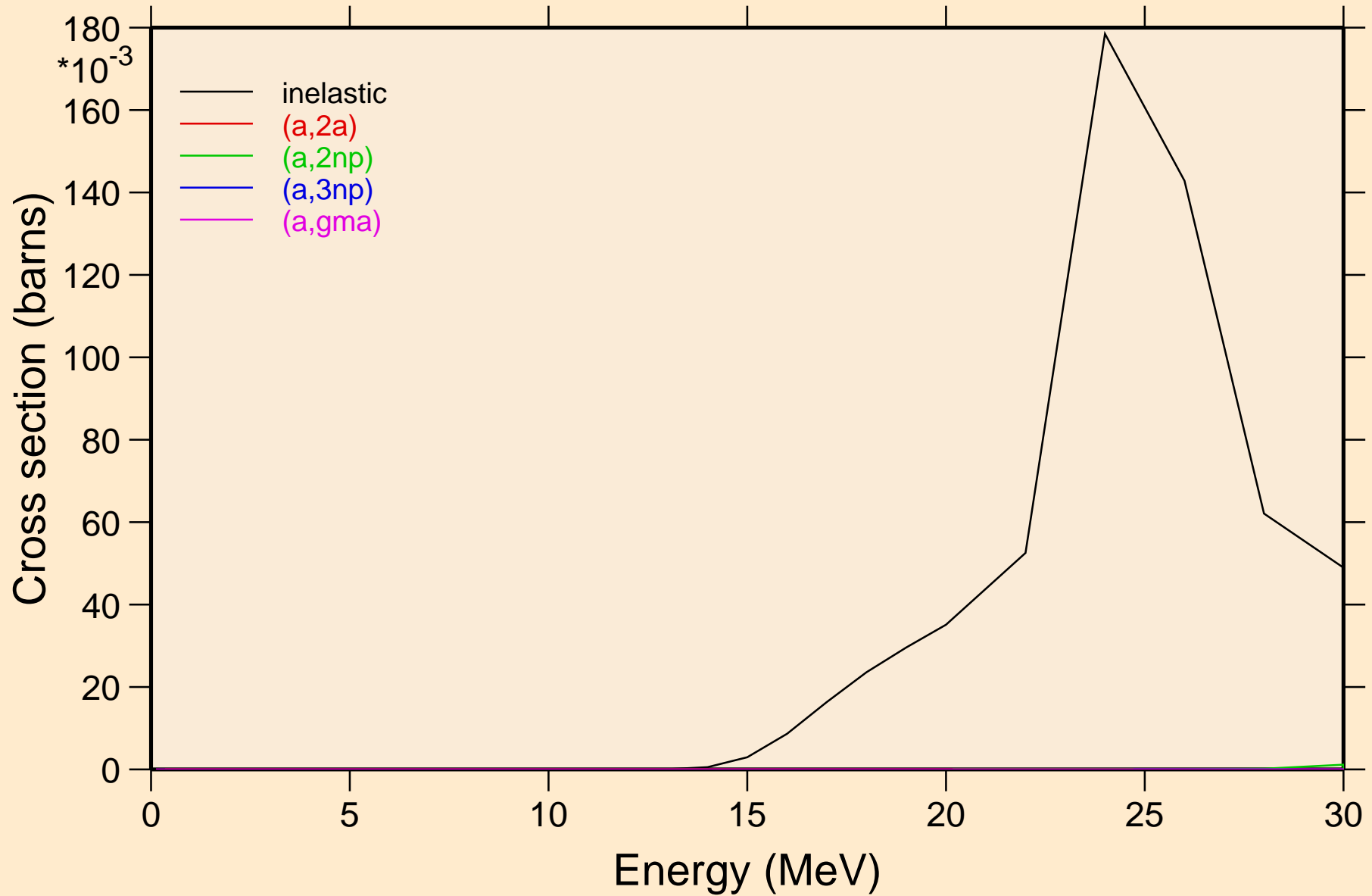
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



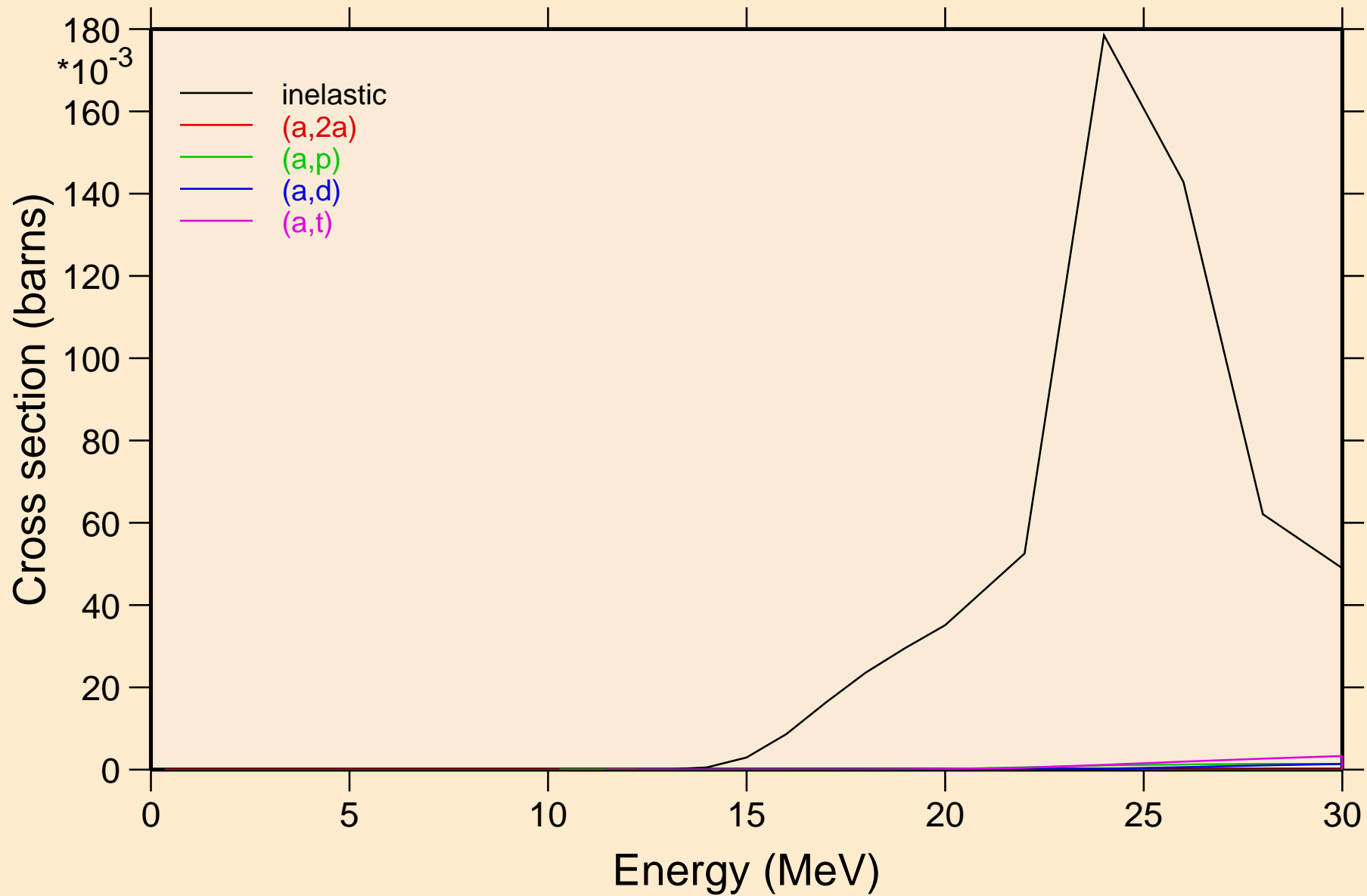
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Threshold reactions



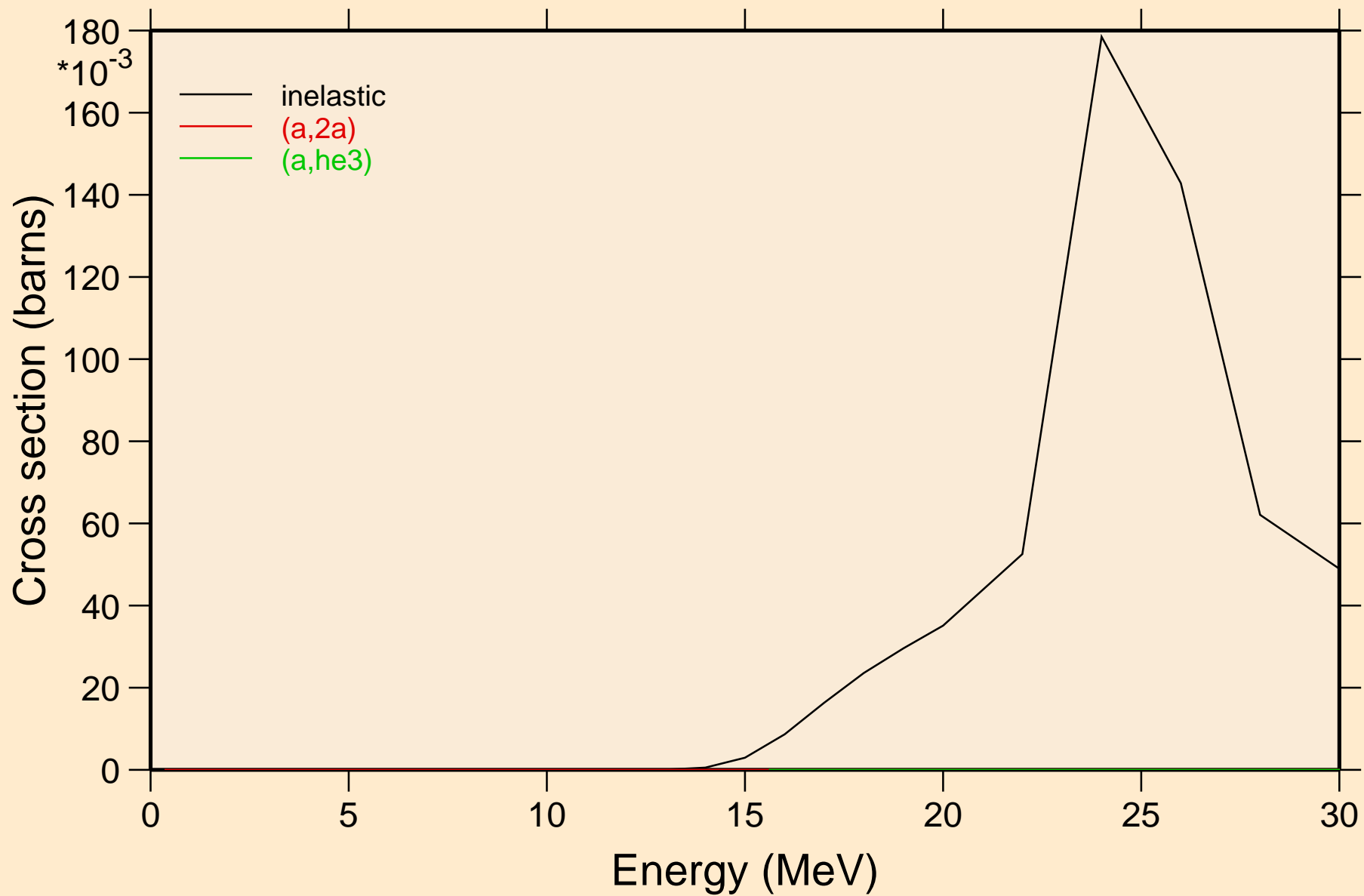
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Threshold reactions



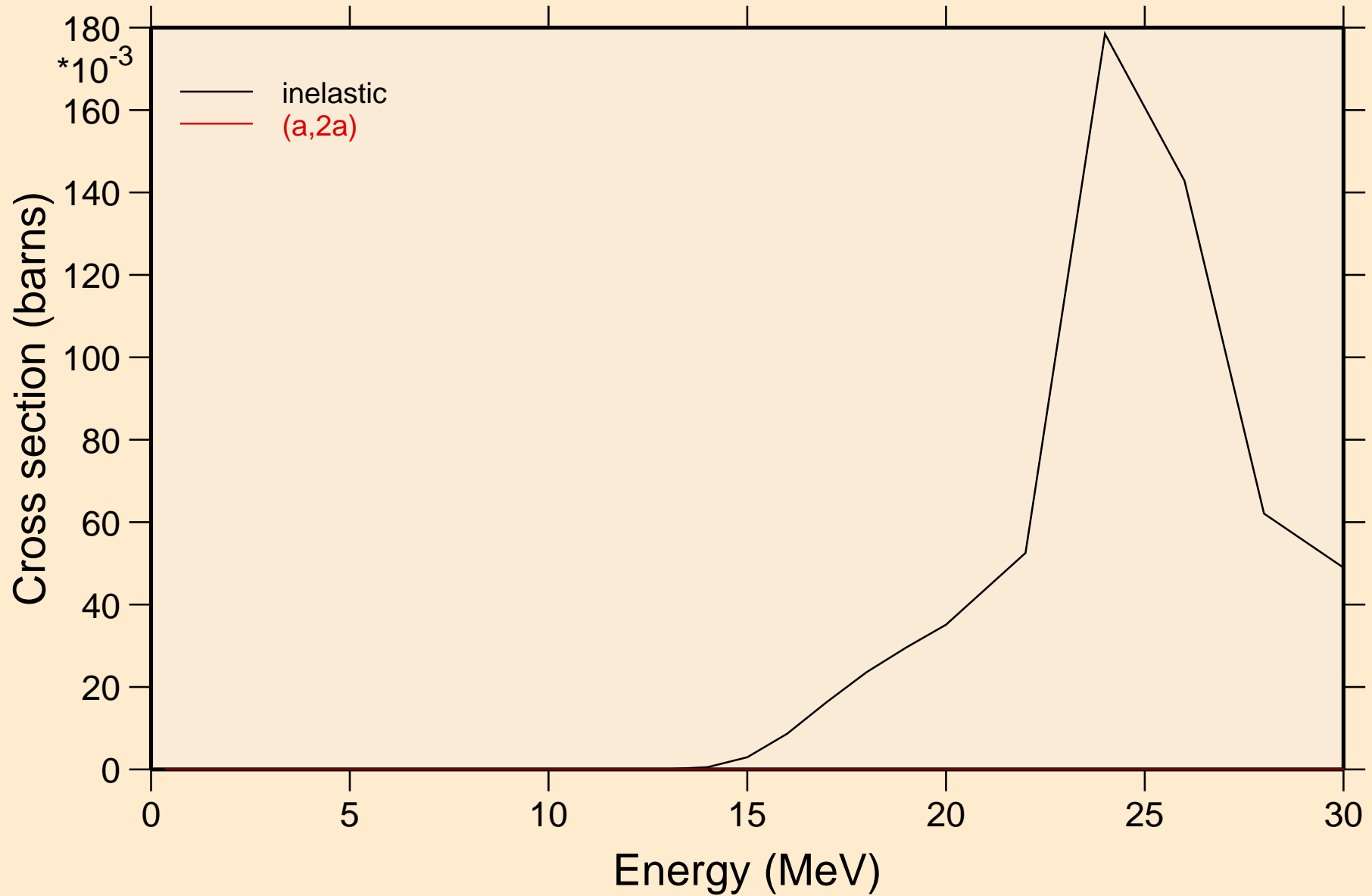
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Threshold reactions



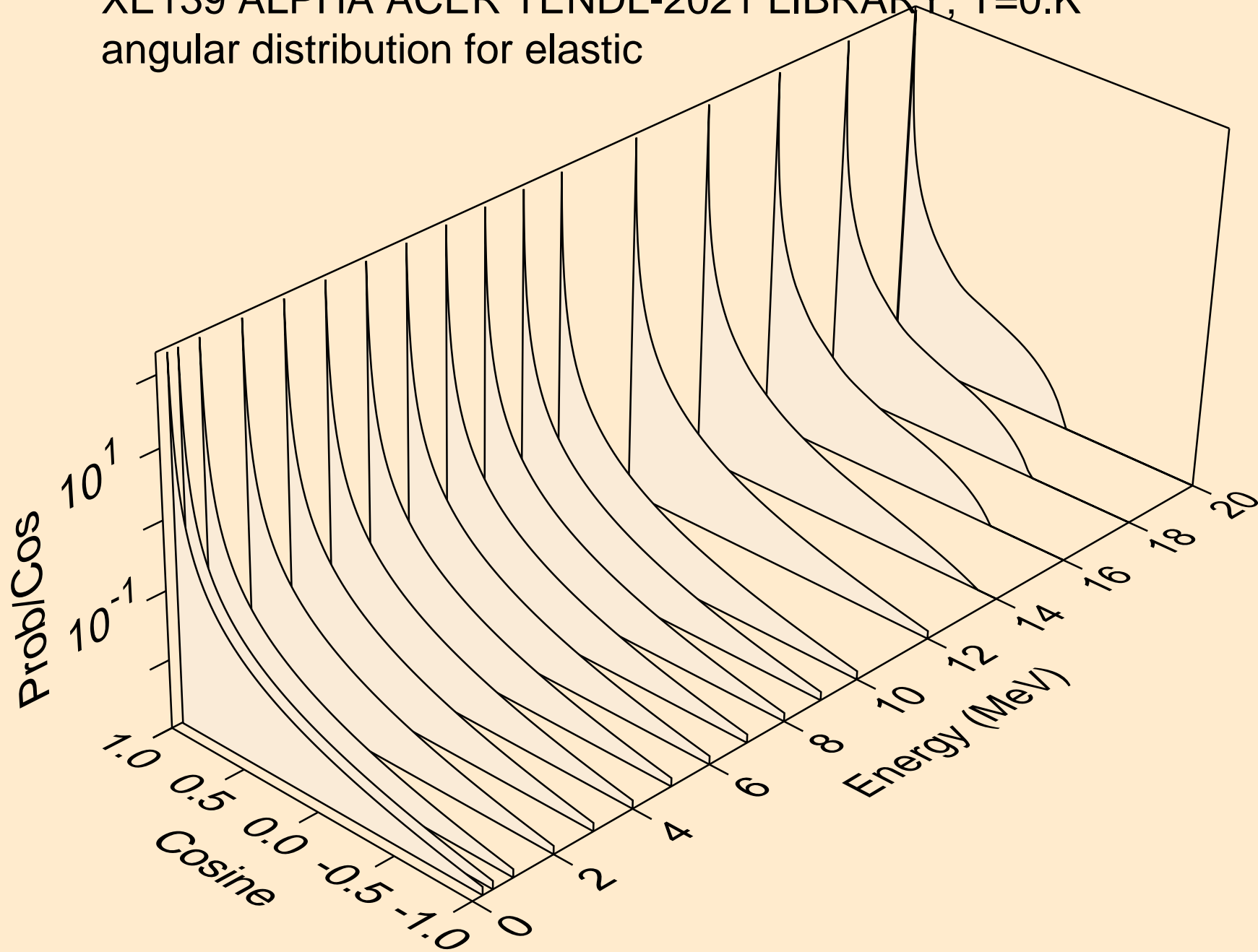
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Threshold reactions



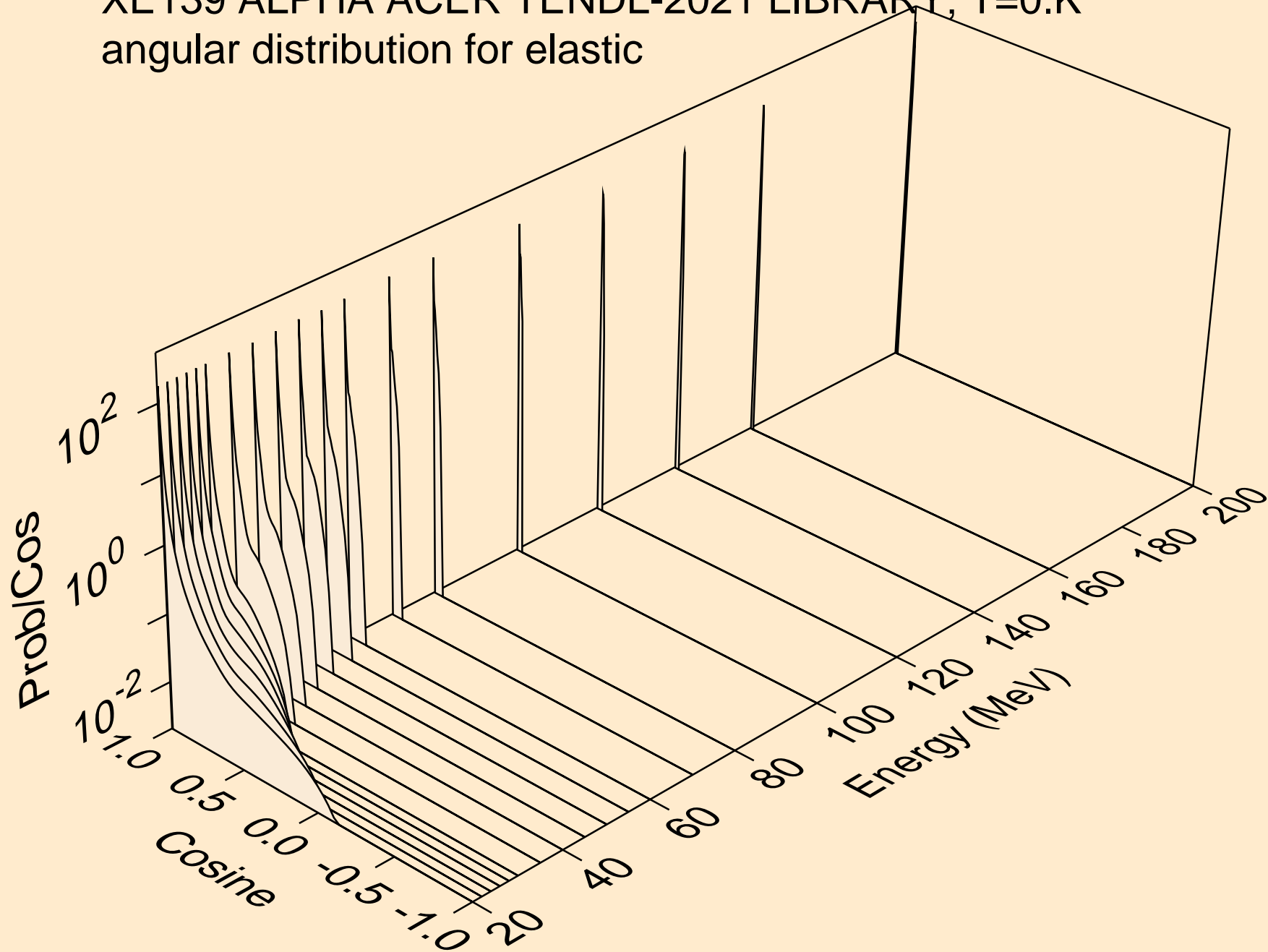
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions



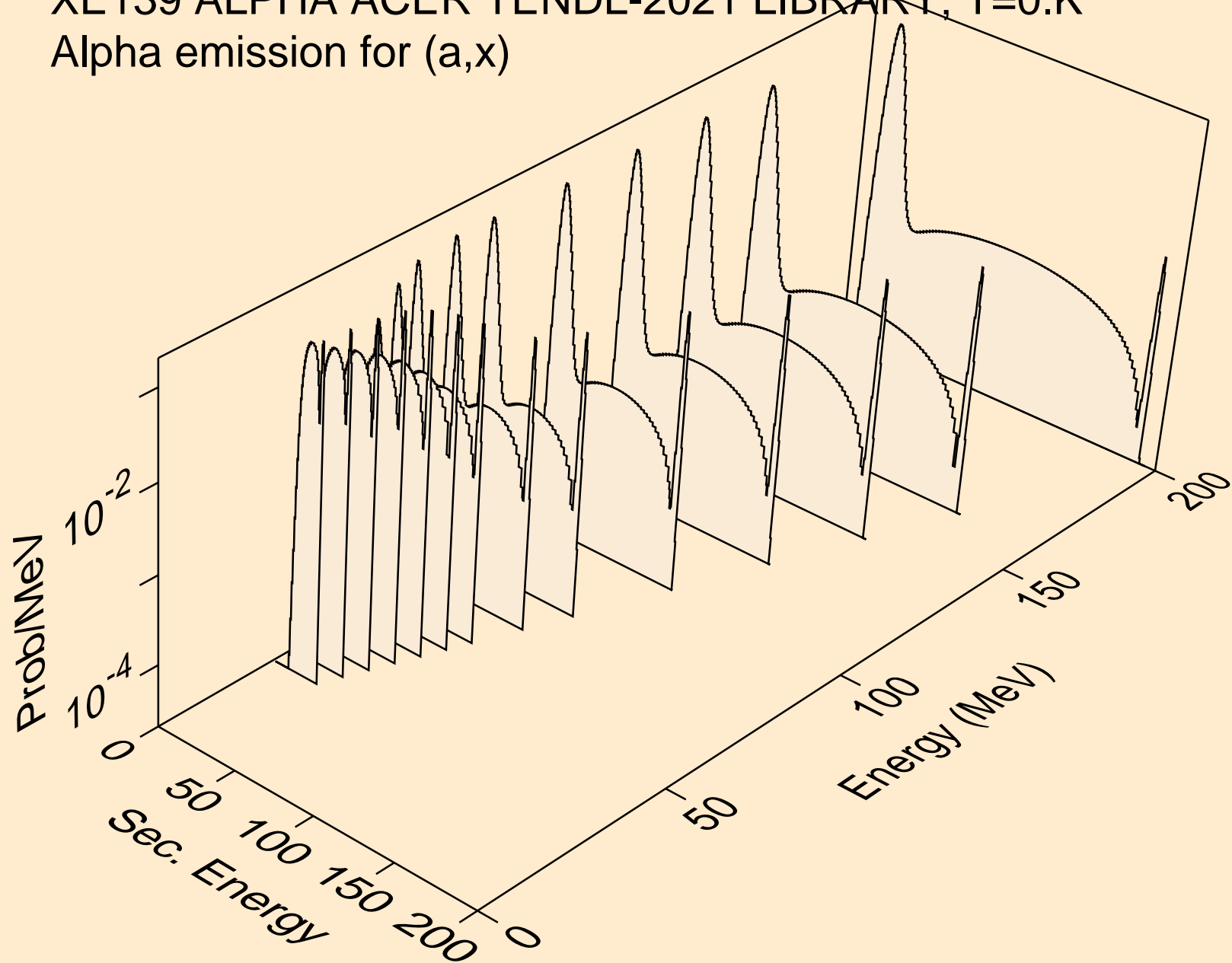
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



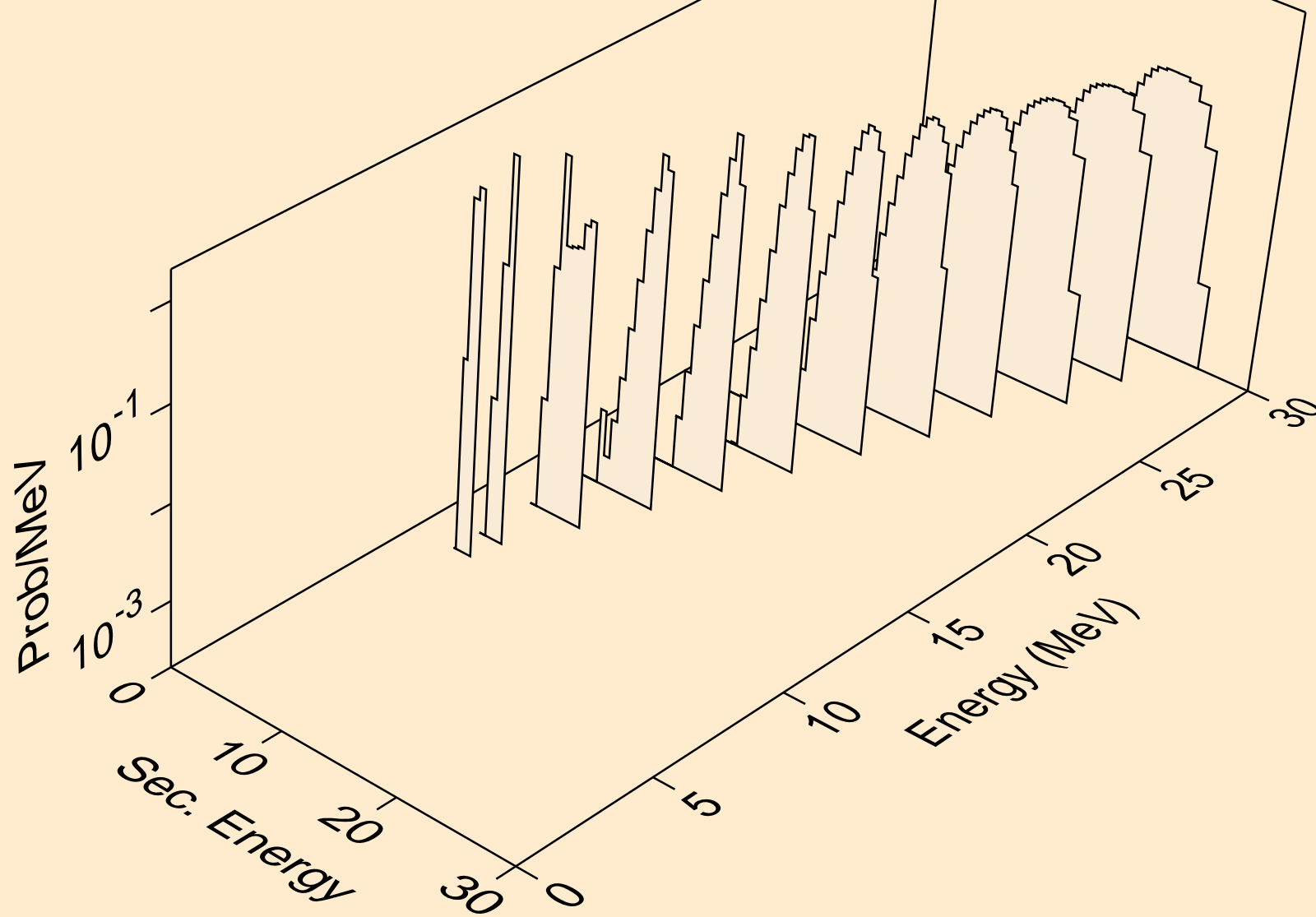
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angular distribution for elastic



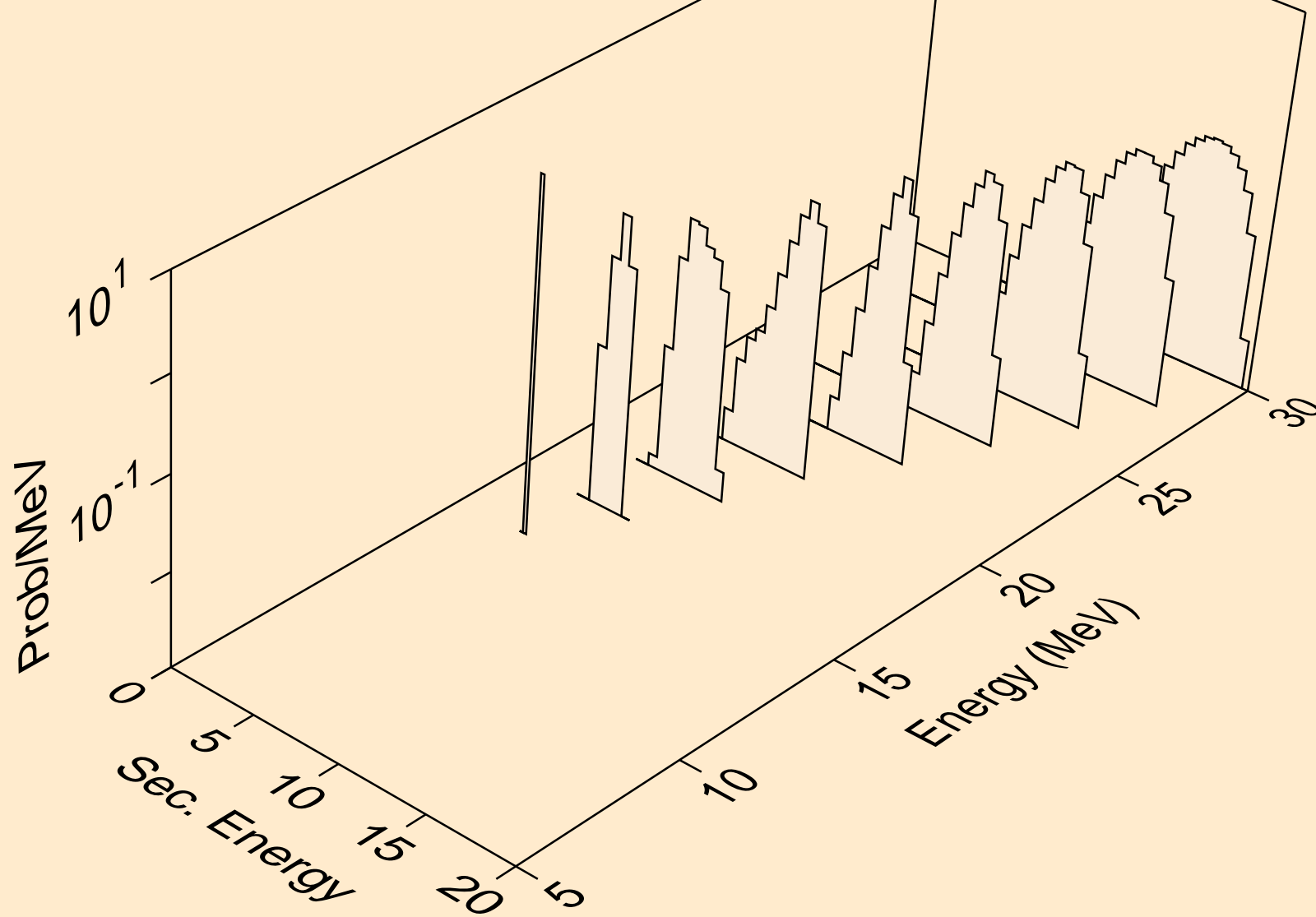
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,x)



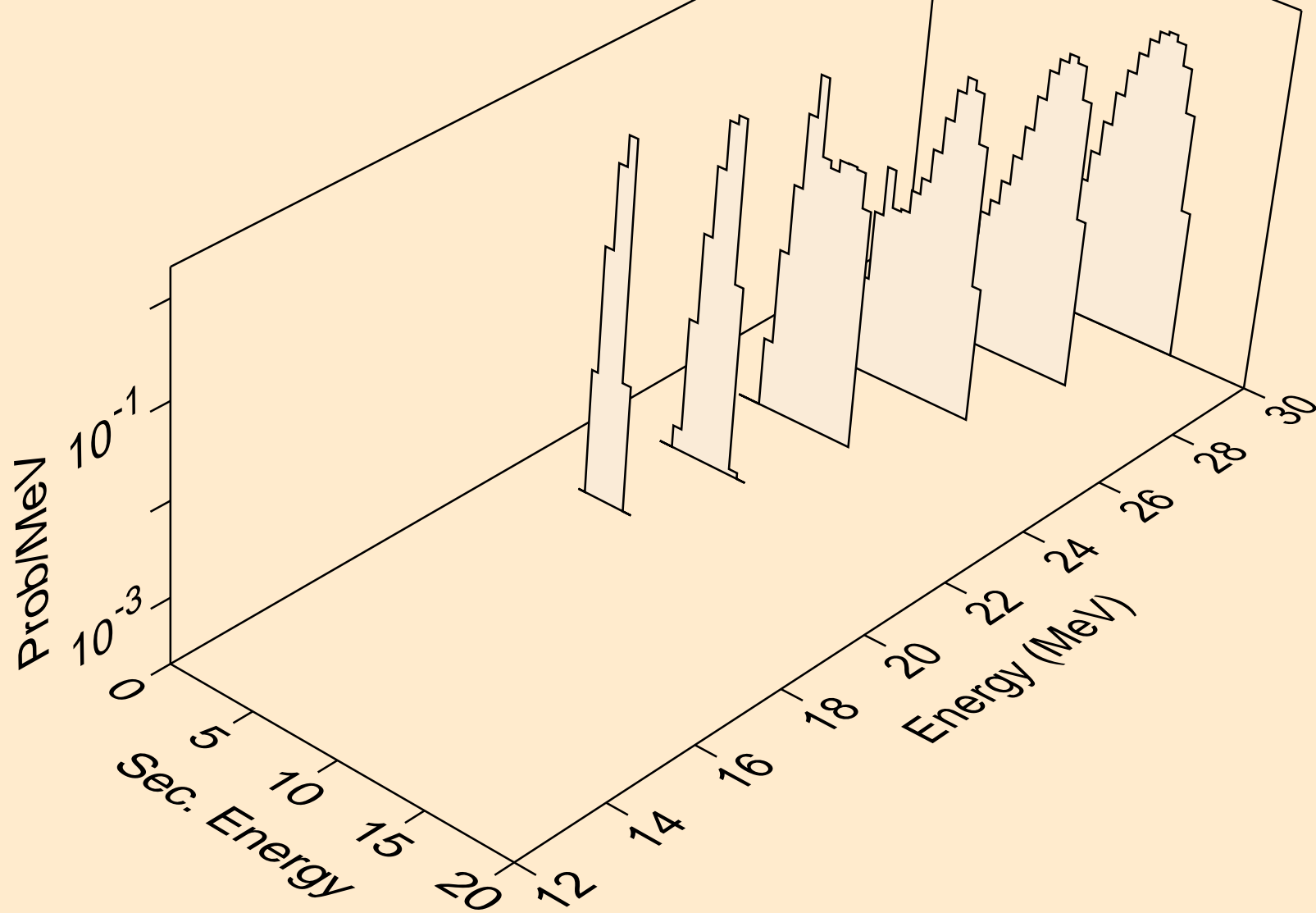
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)a



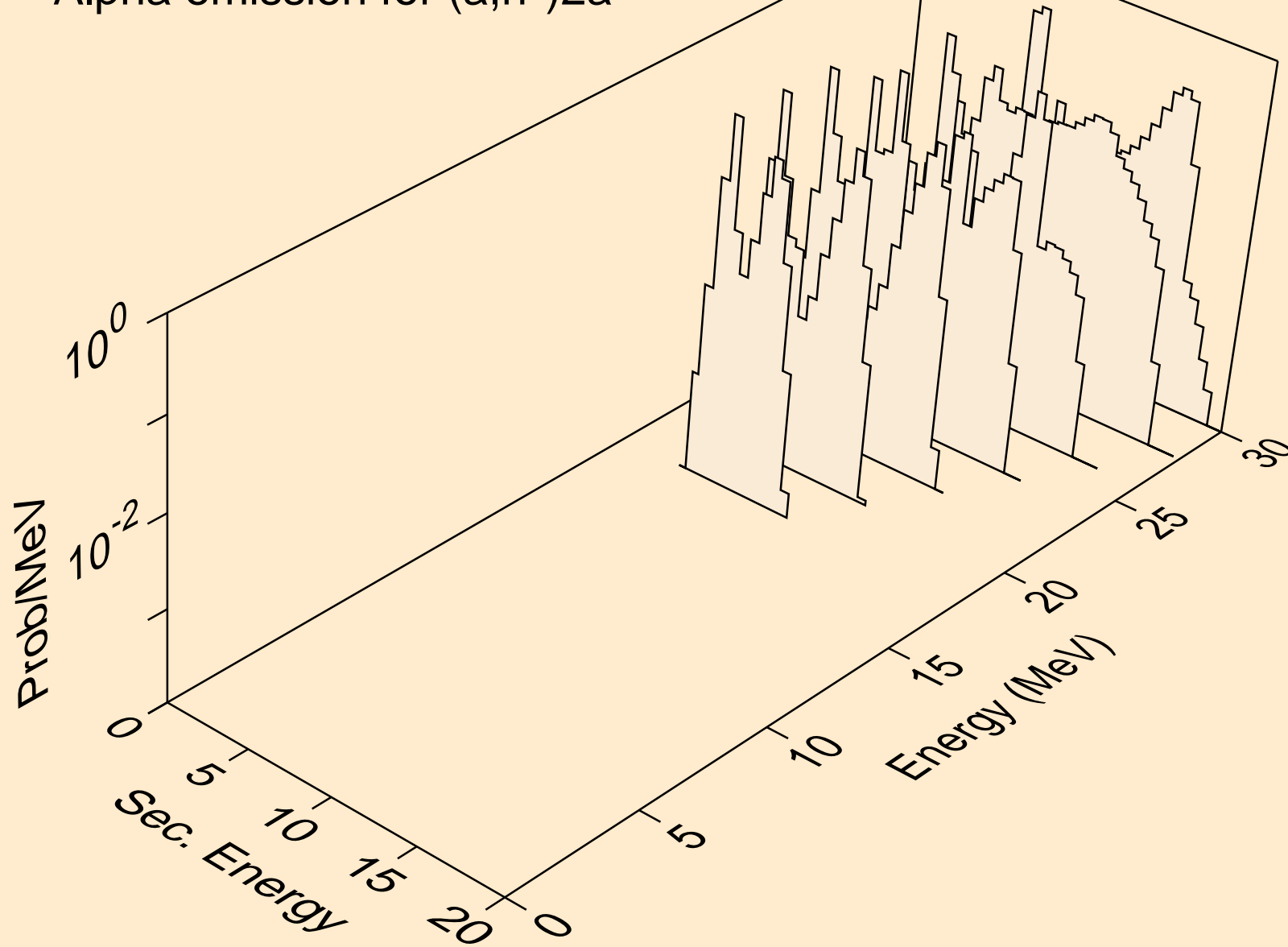
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2n)a



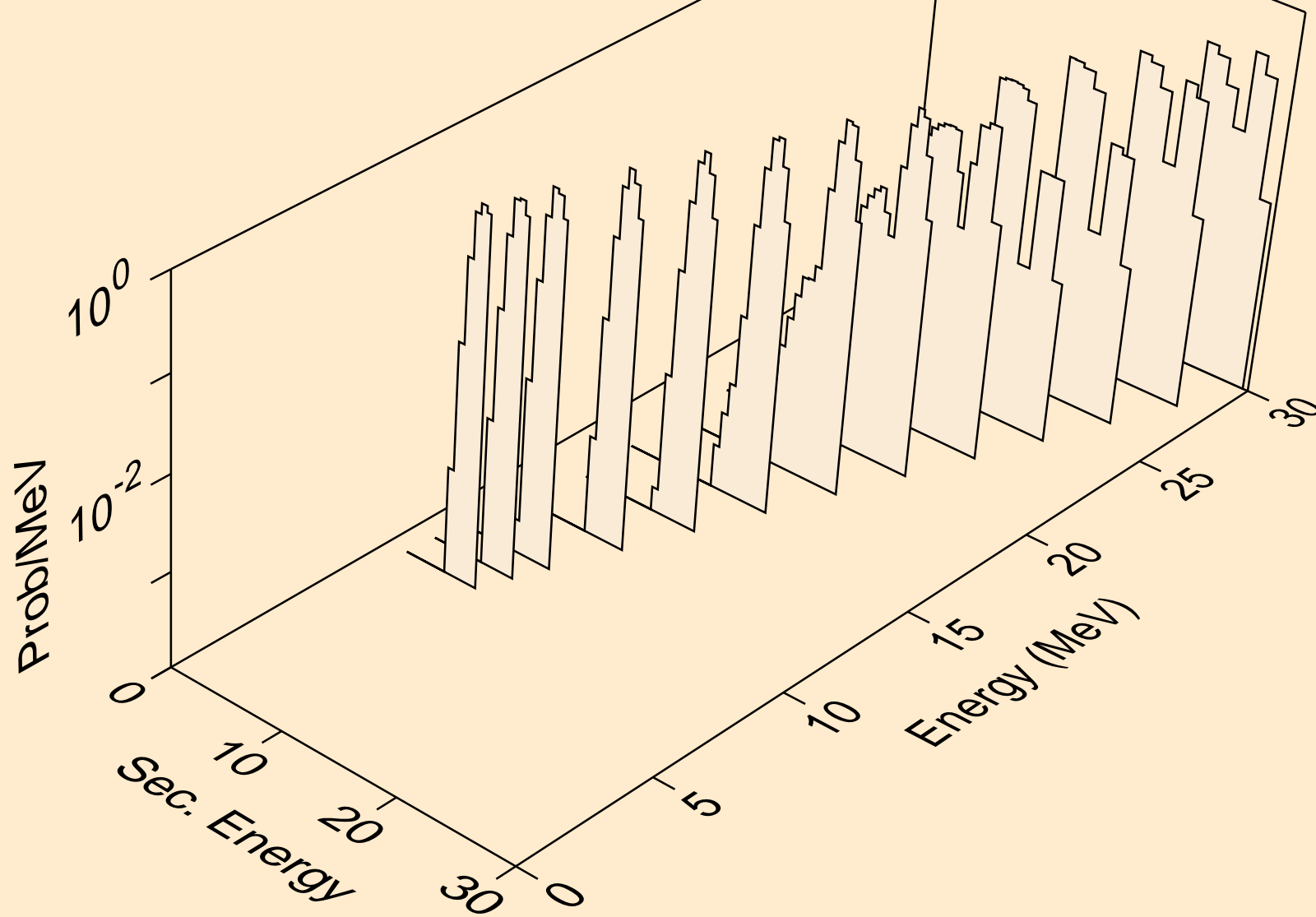
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Alpha emission for (a,3n)a



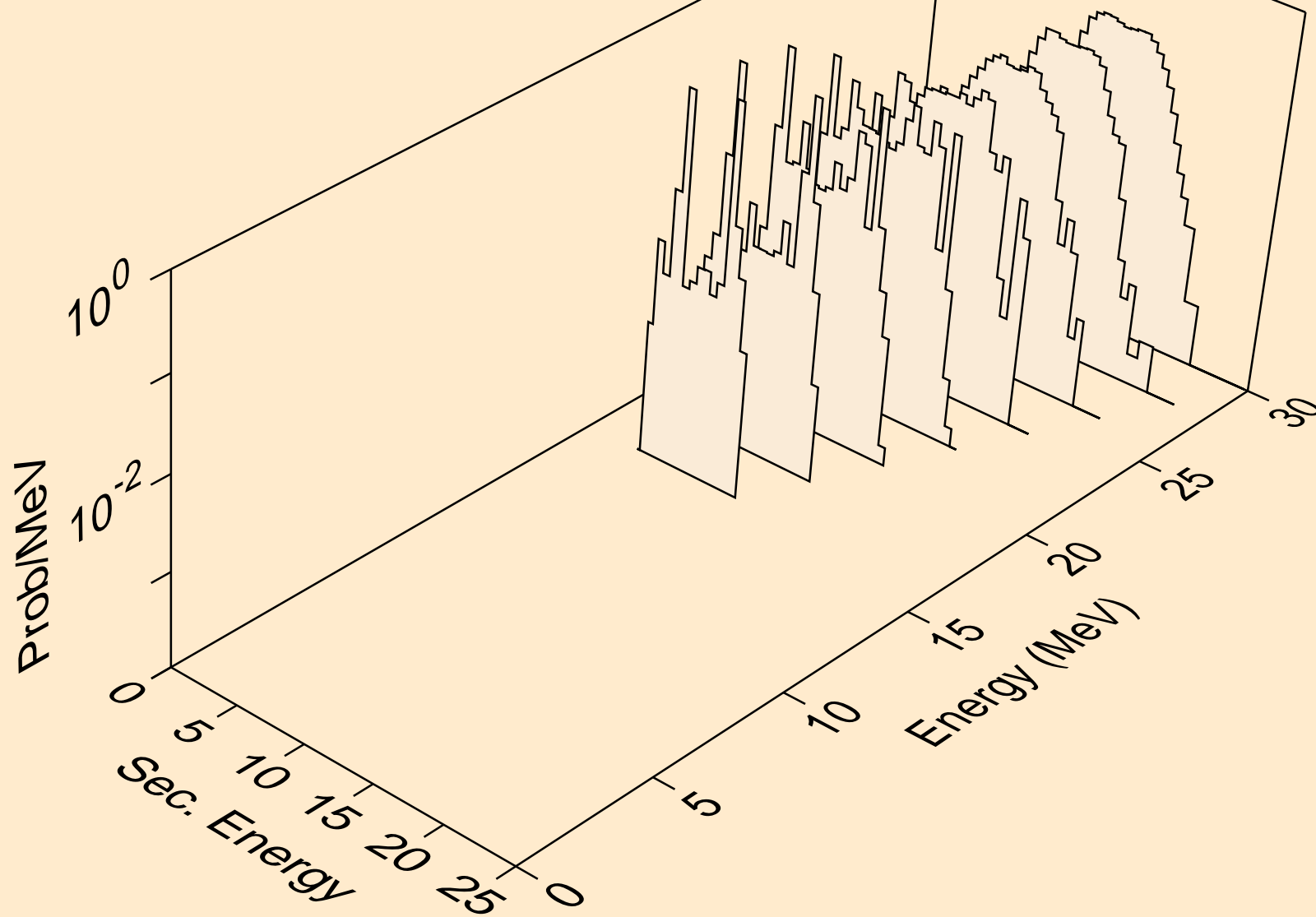
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)2a



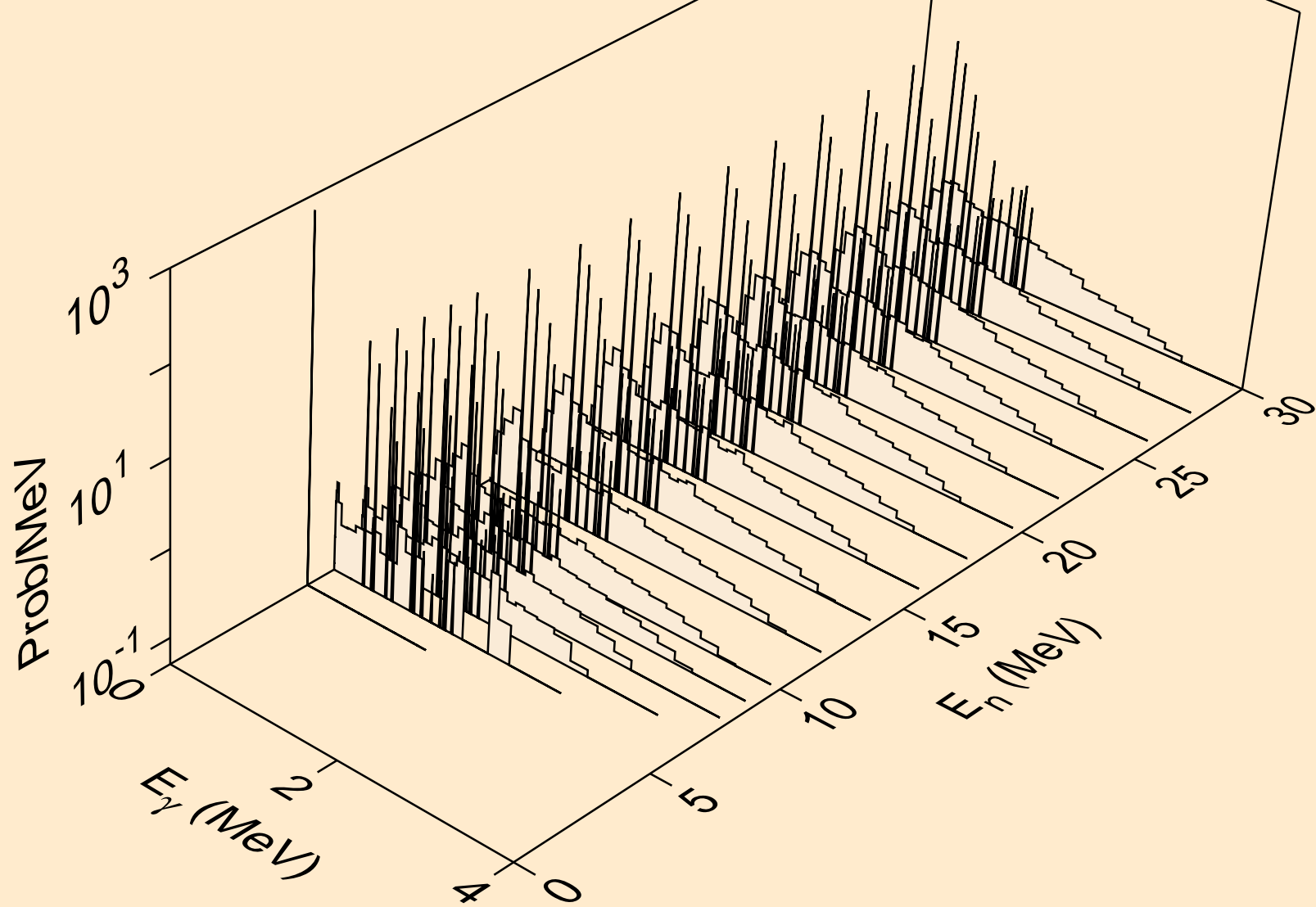
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for inelastic



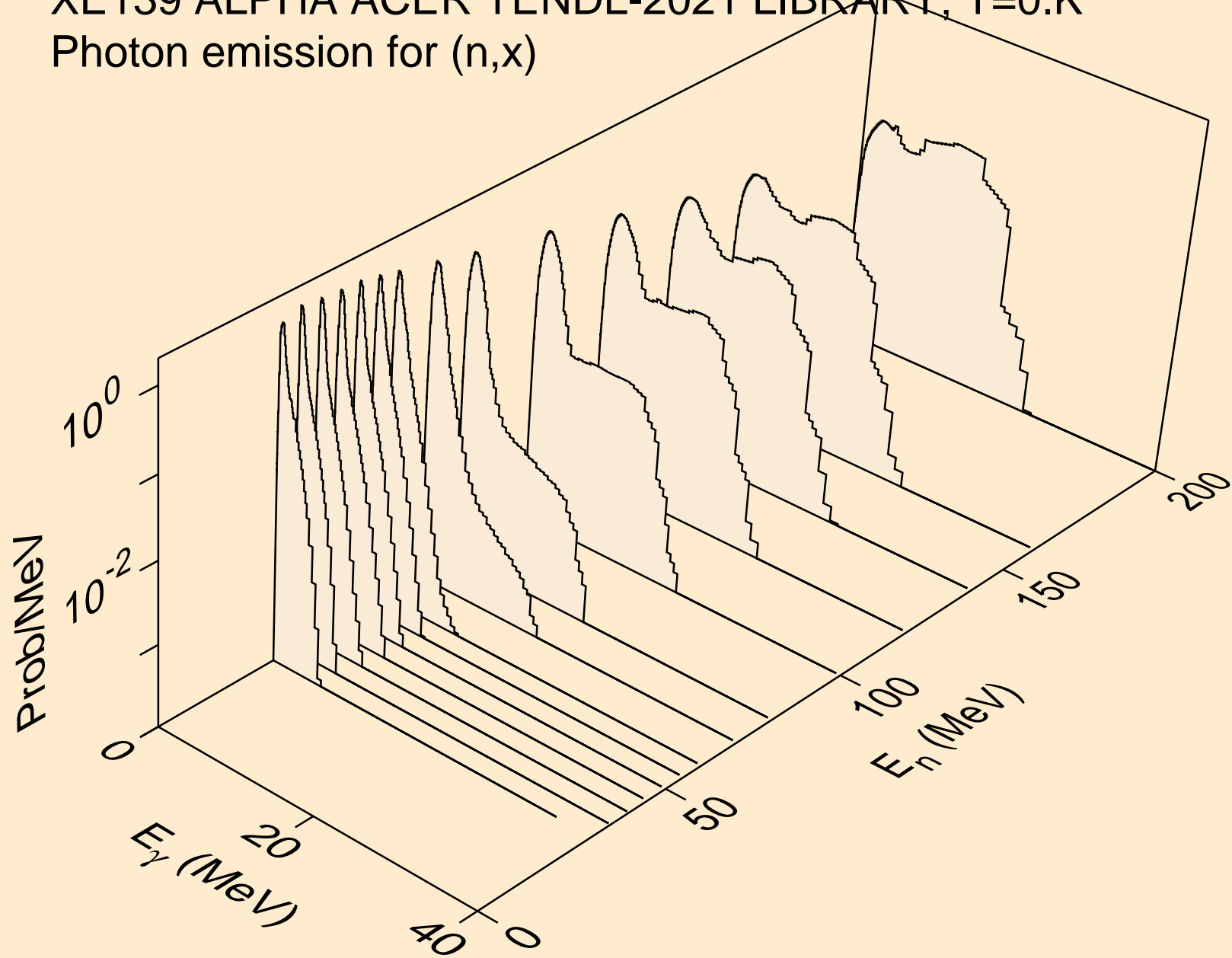
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2a)



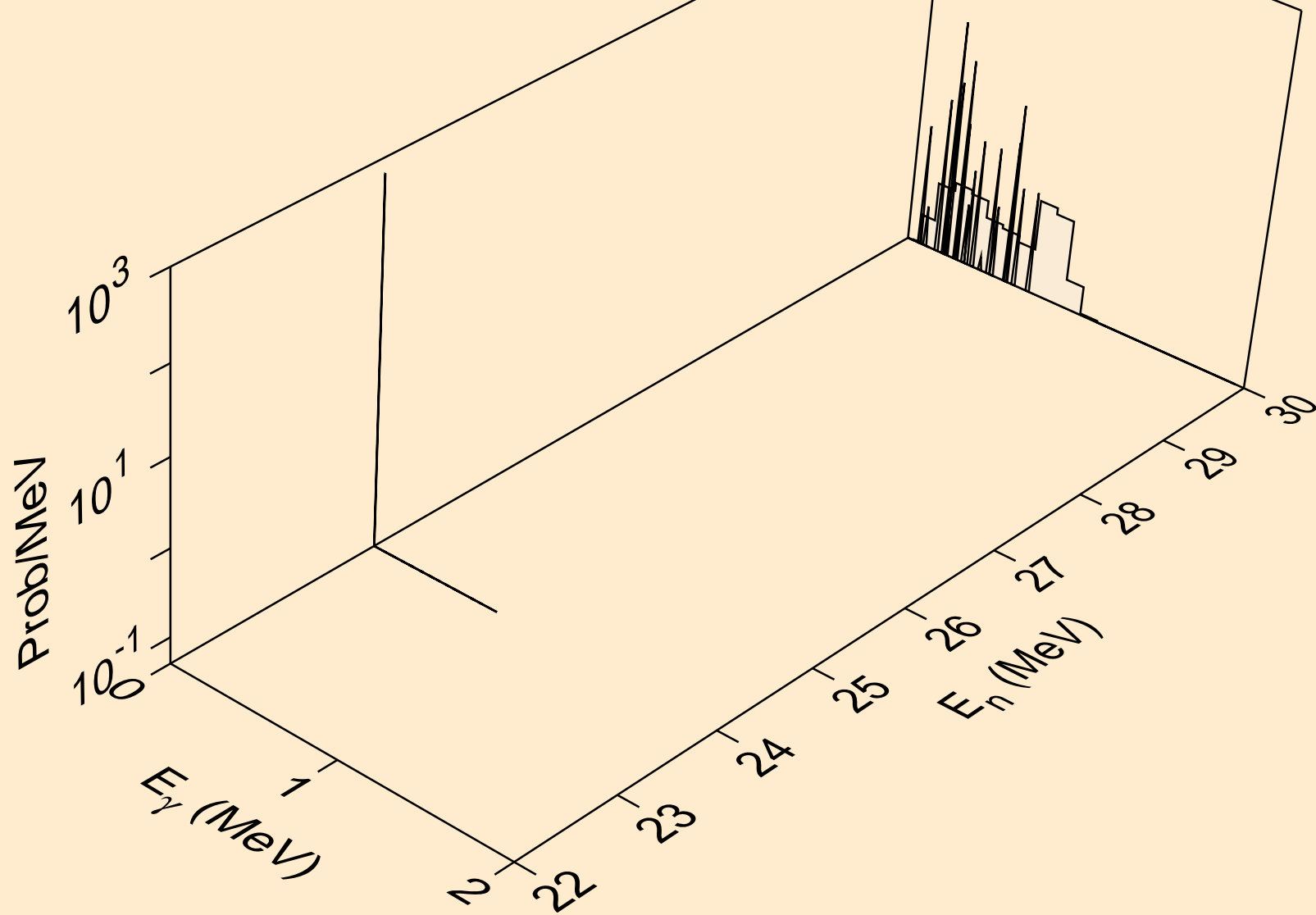
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (z,n)



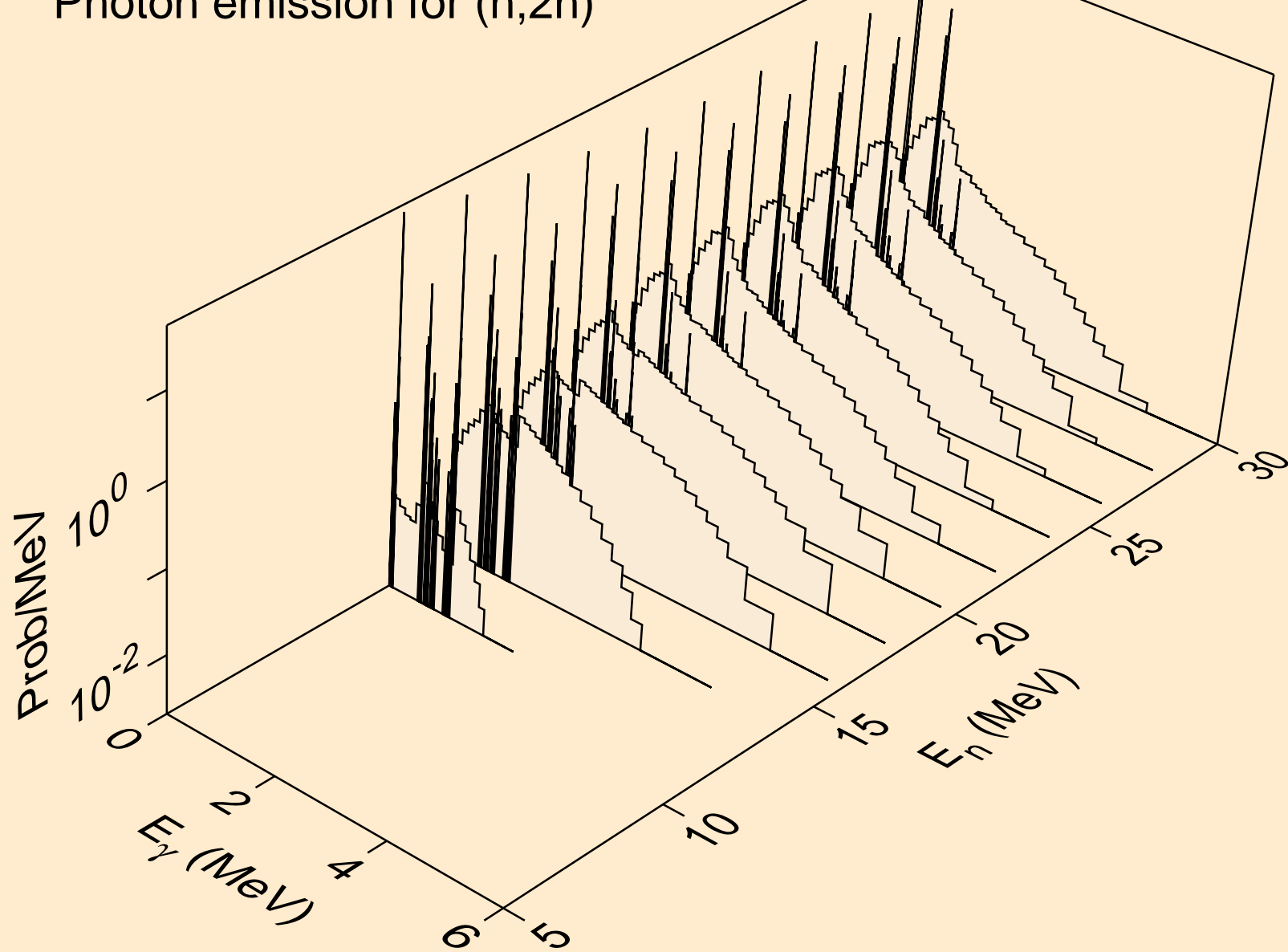
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Photon emission for (n,x)



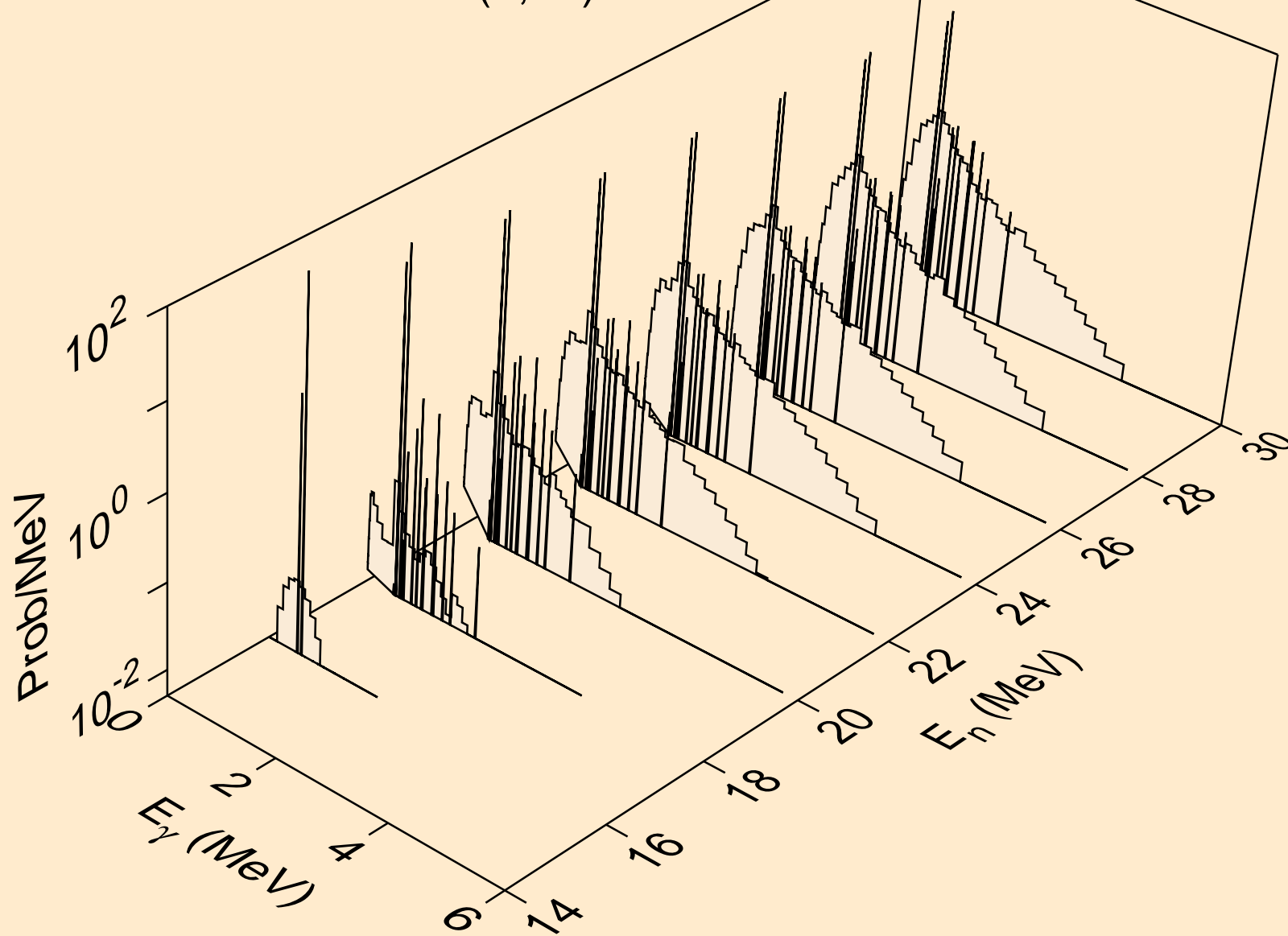
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Photon emission for (n,2nd)



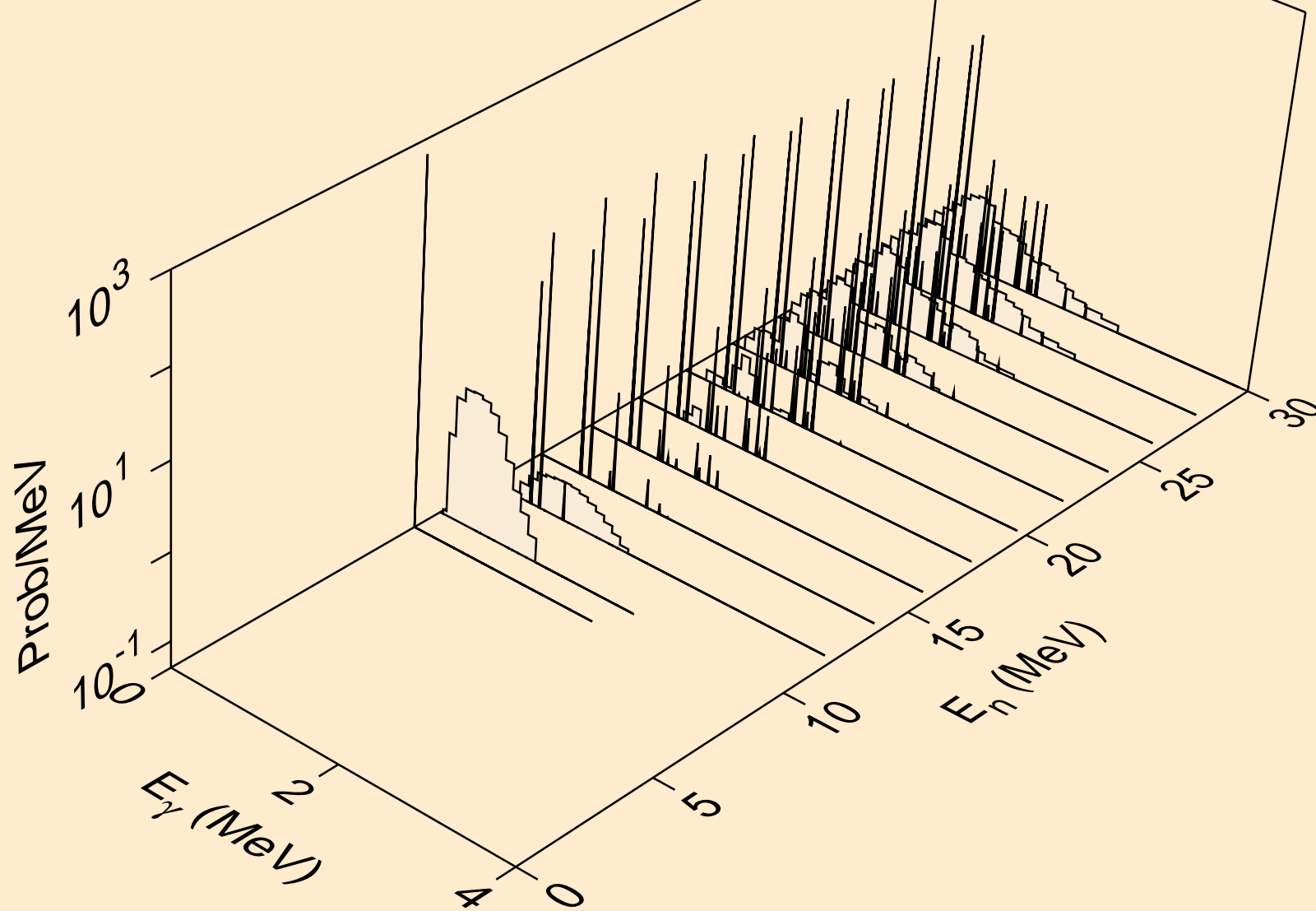
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Photon emission for (n,2n)



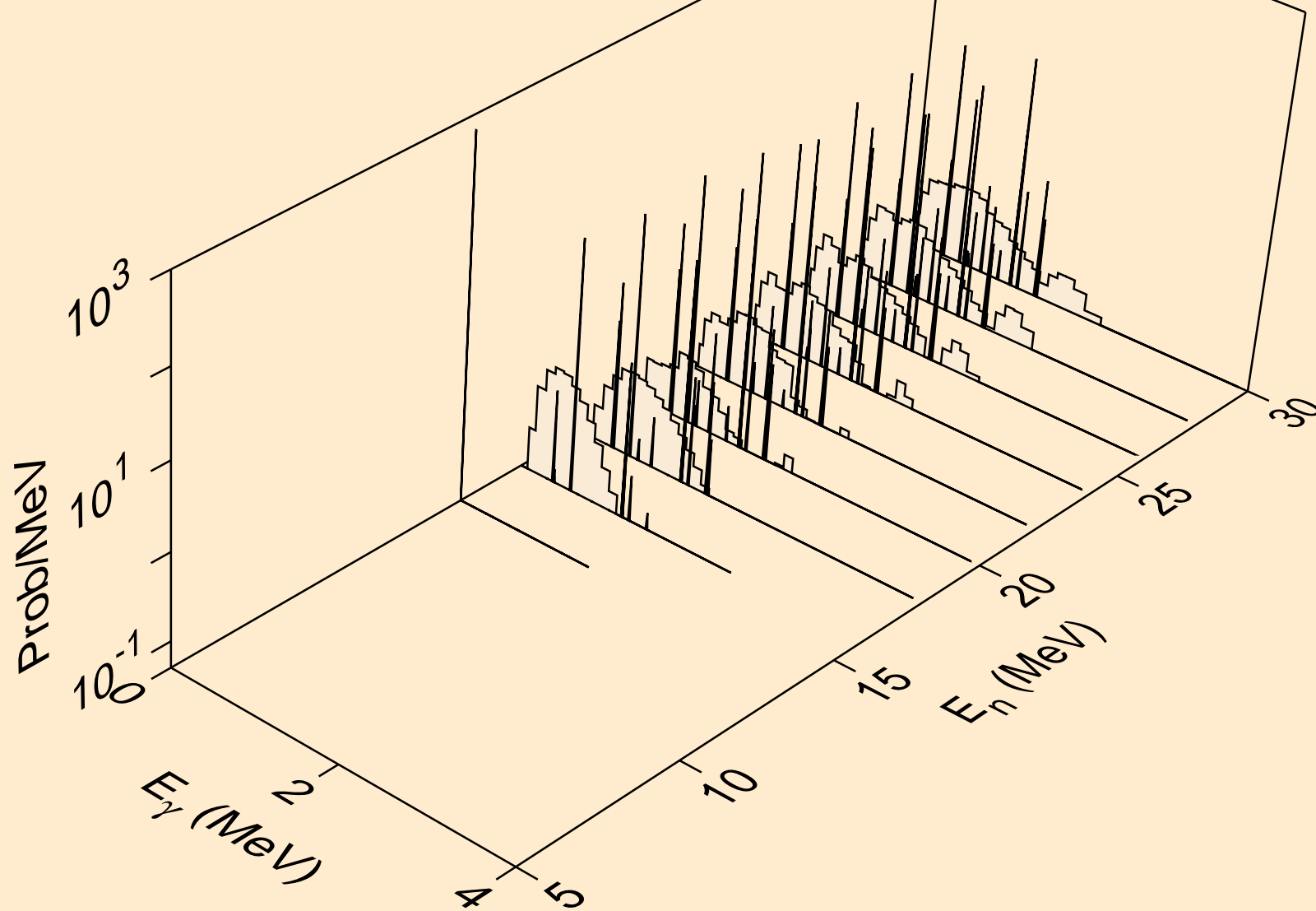
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Photon emission for (n,3n)



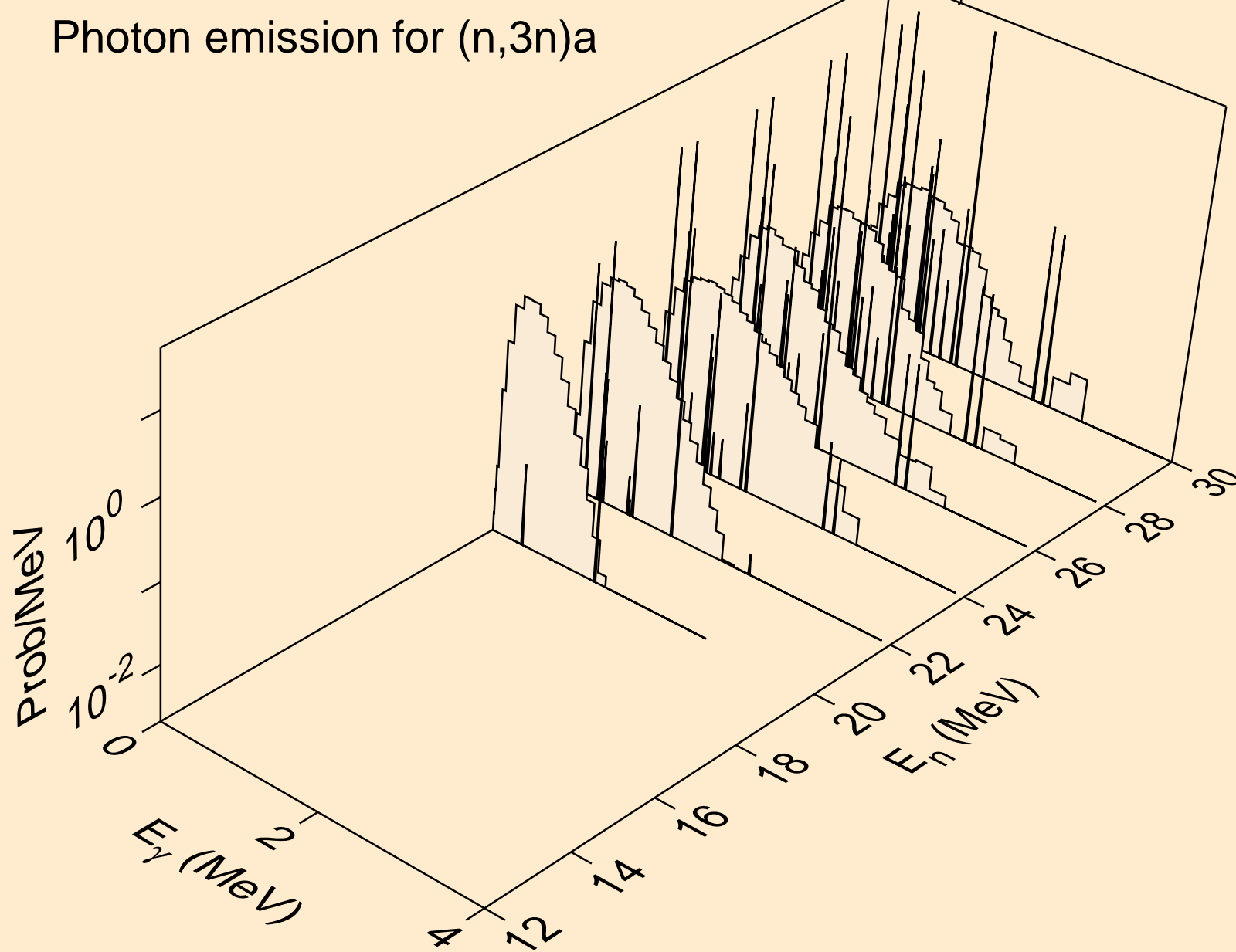
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a



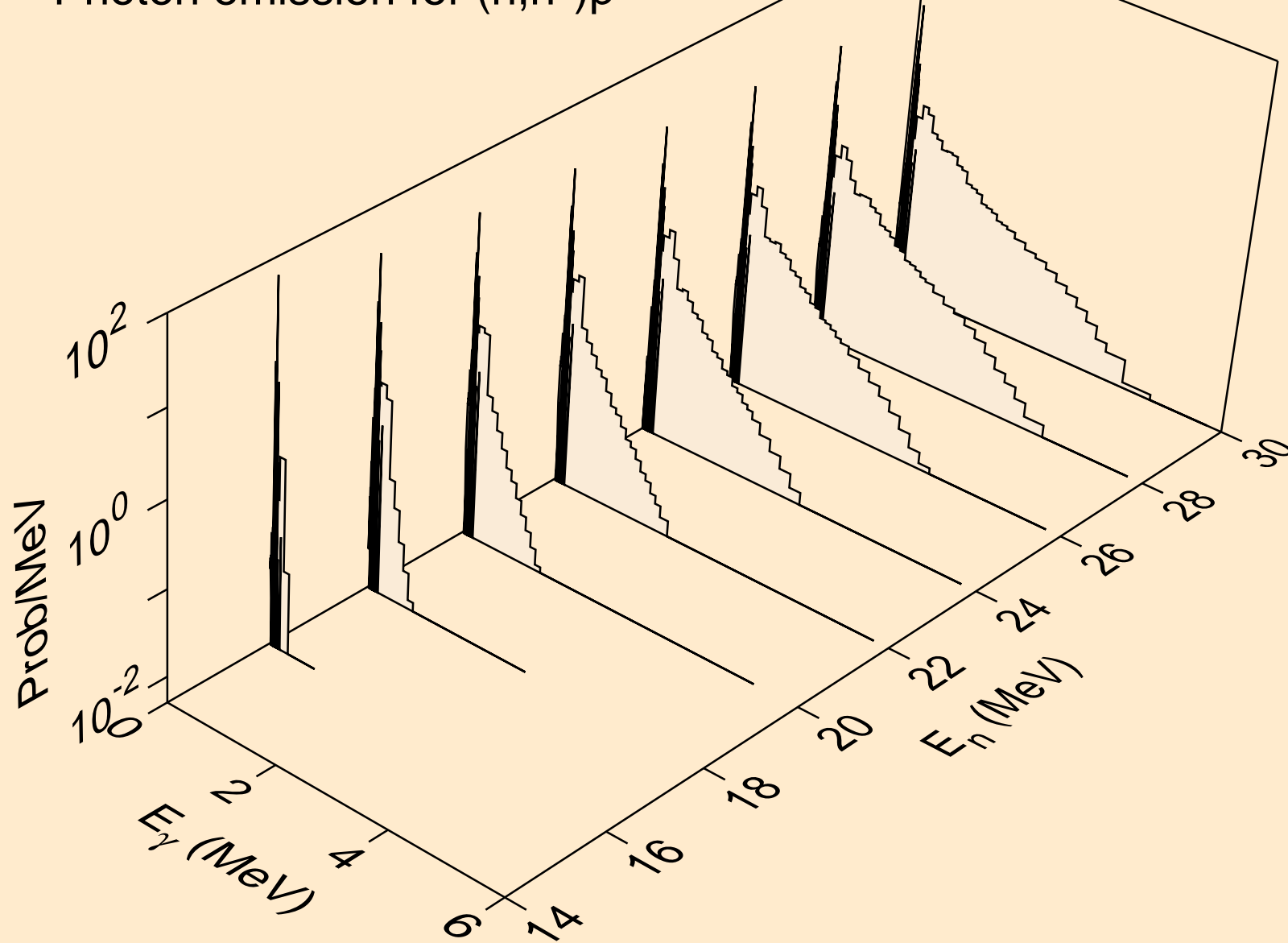
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)a



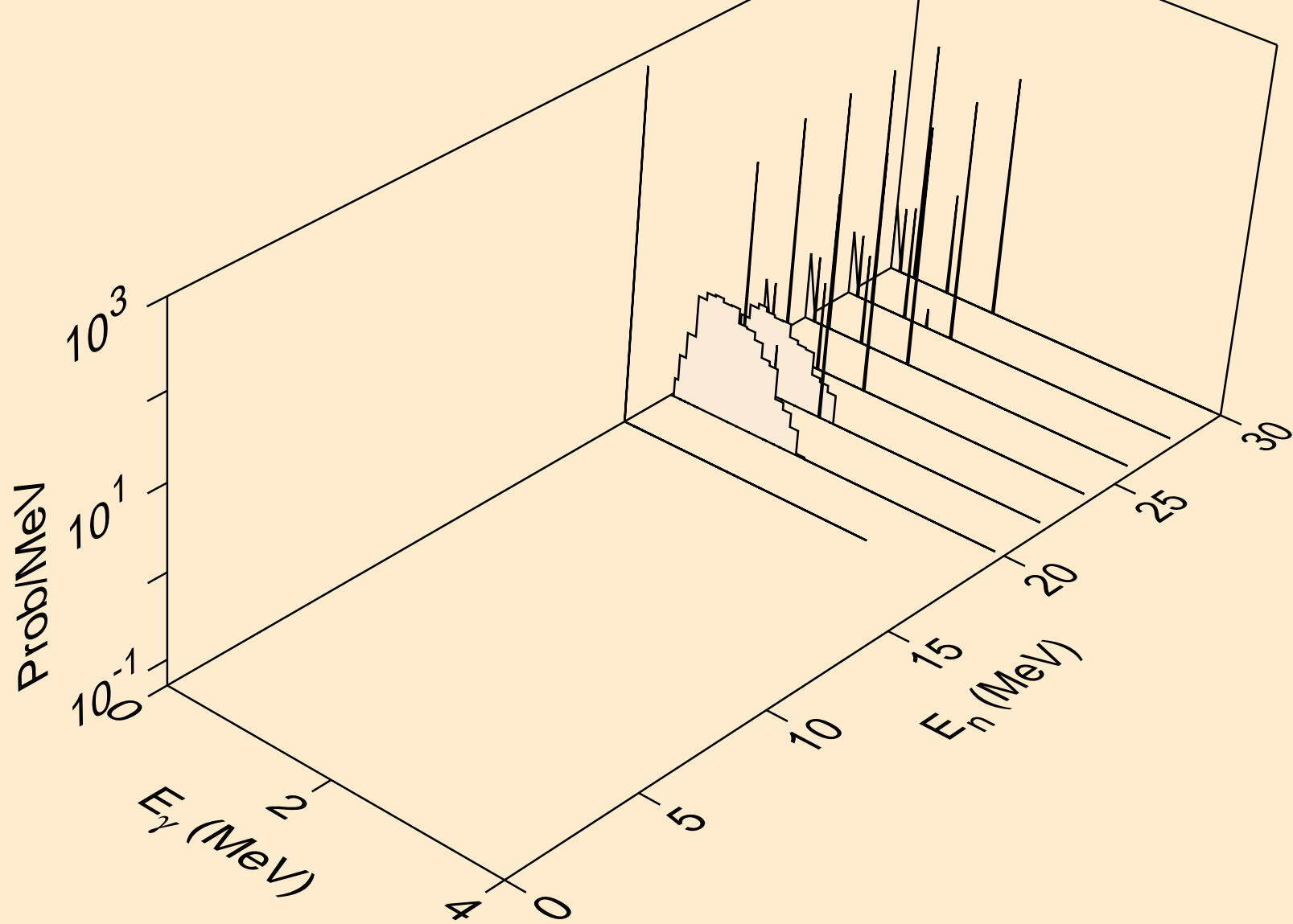
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Photon emission for (n,3n)a



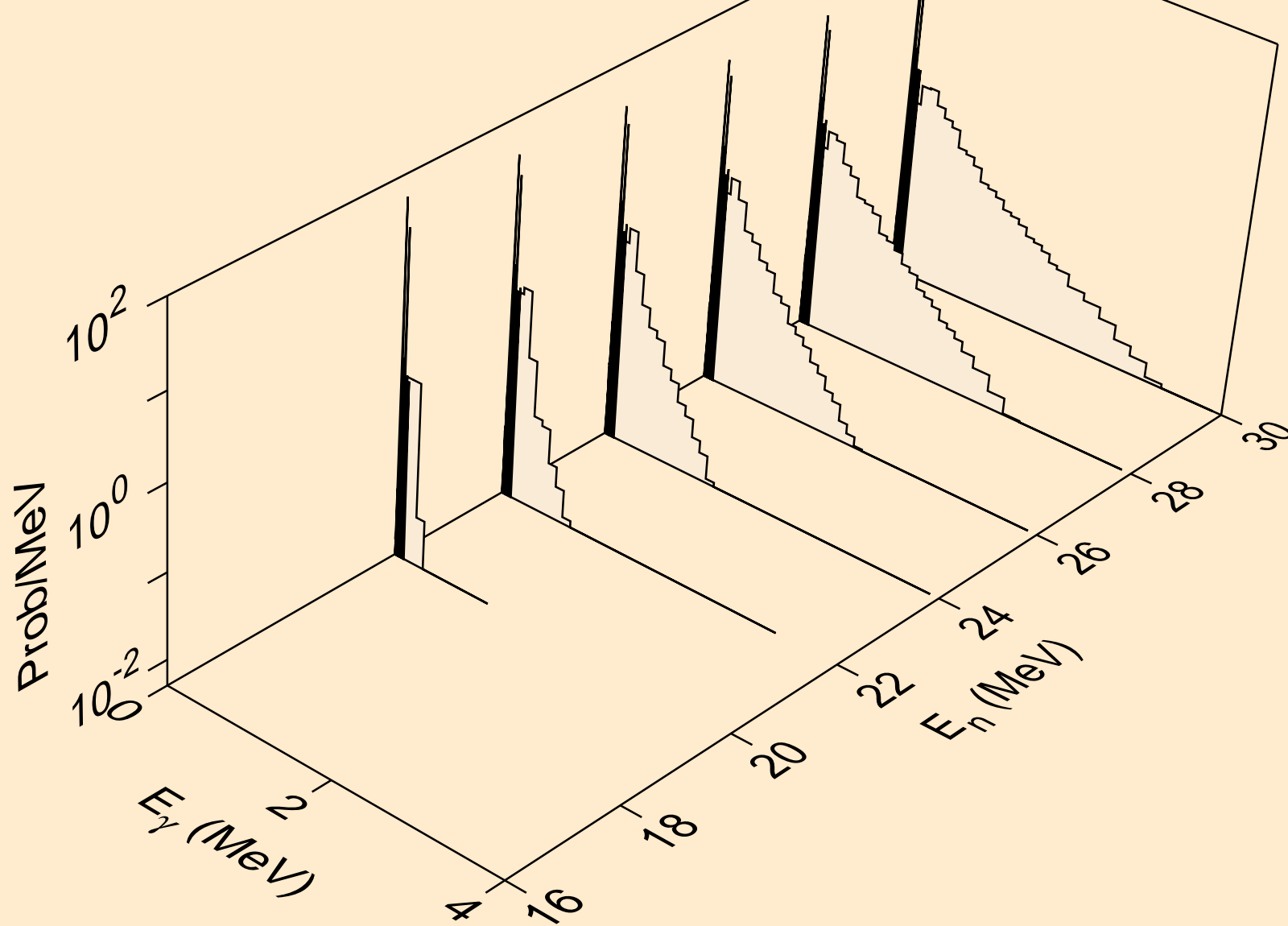
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)p



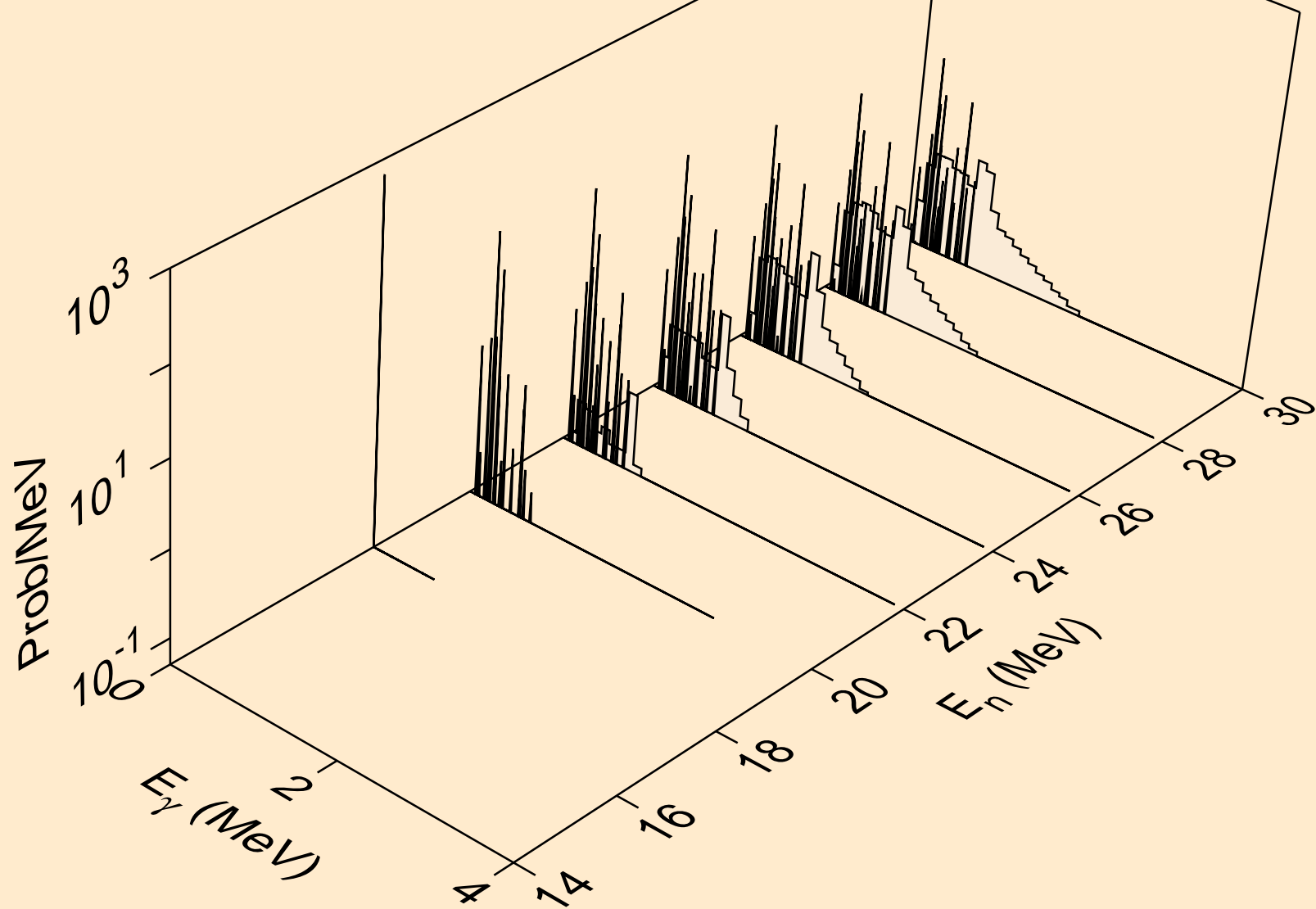
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)2a



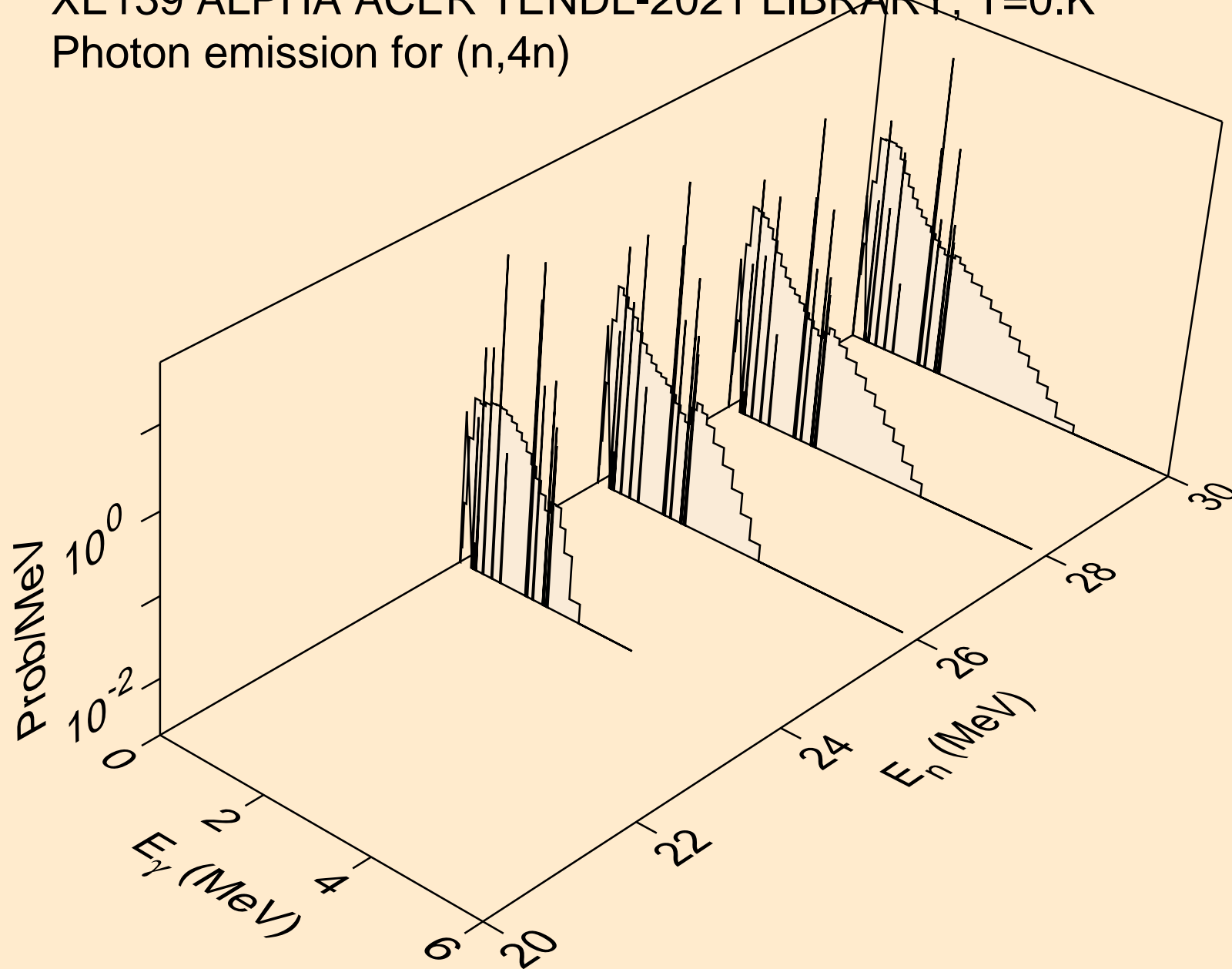
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)d



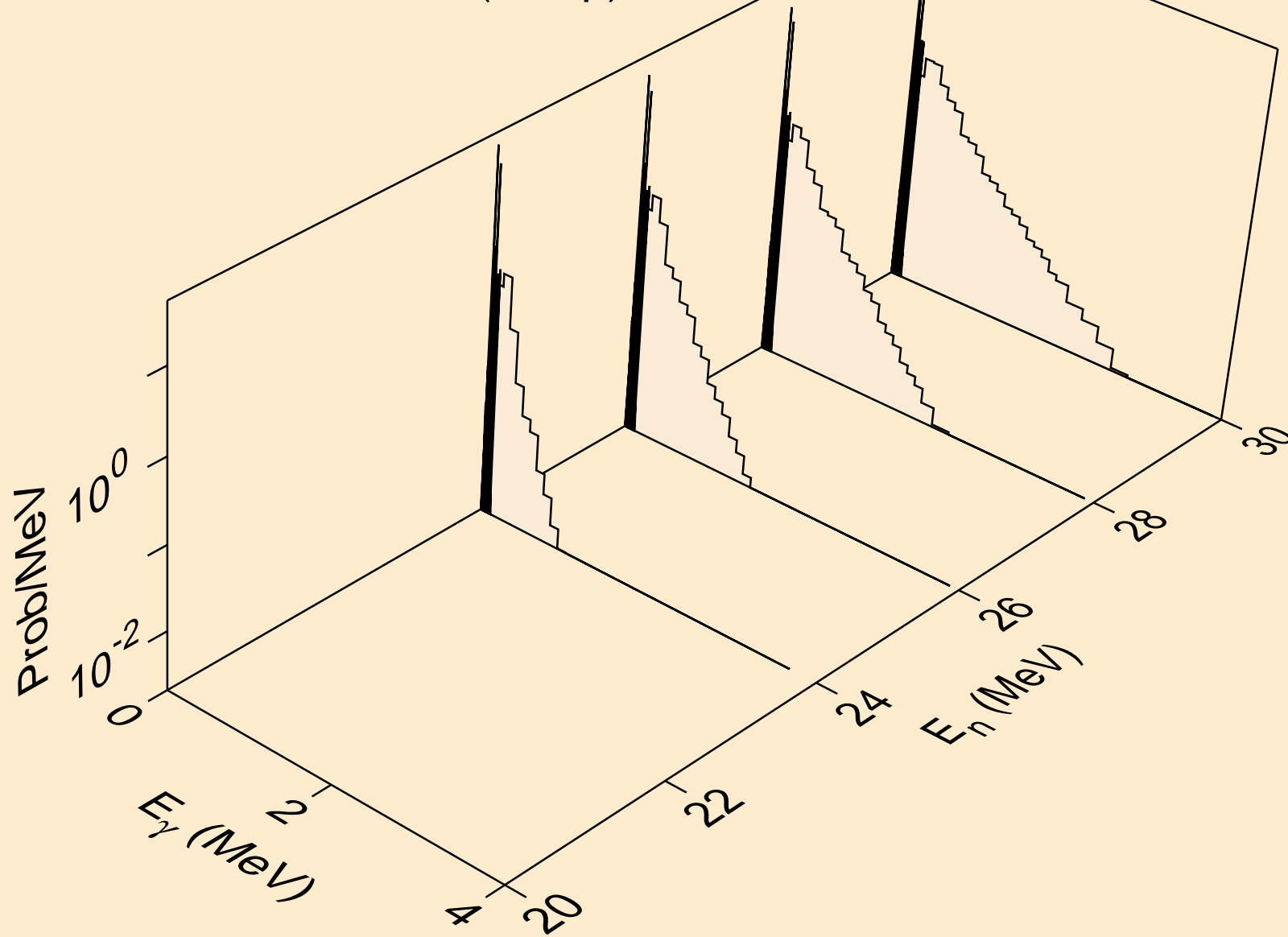
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Photon emission for (n,n*)t



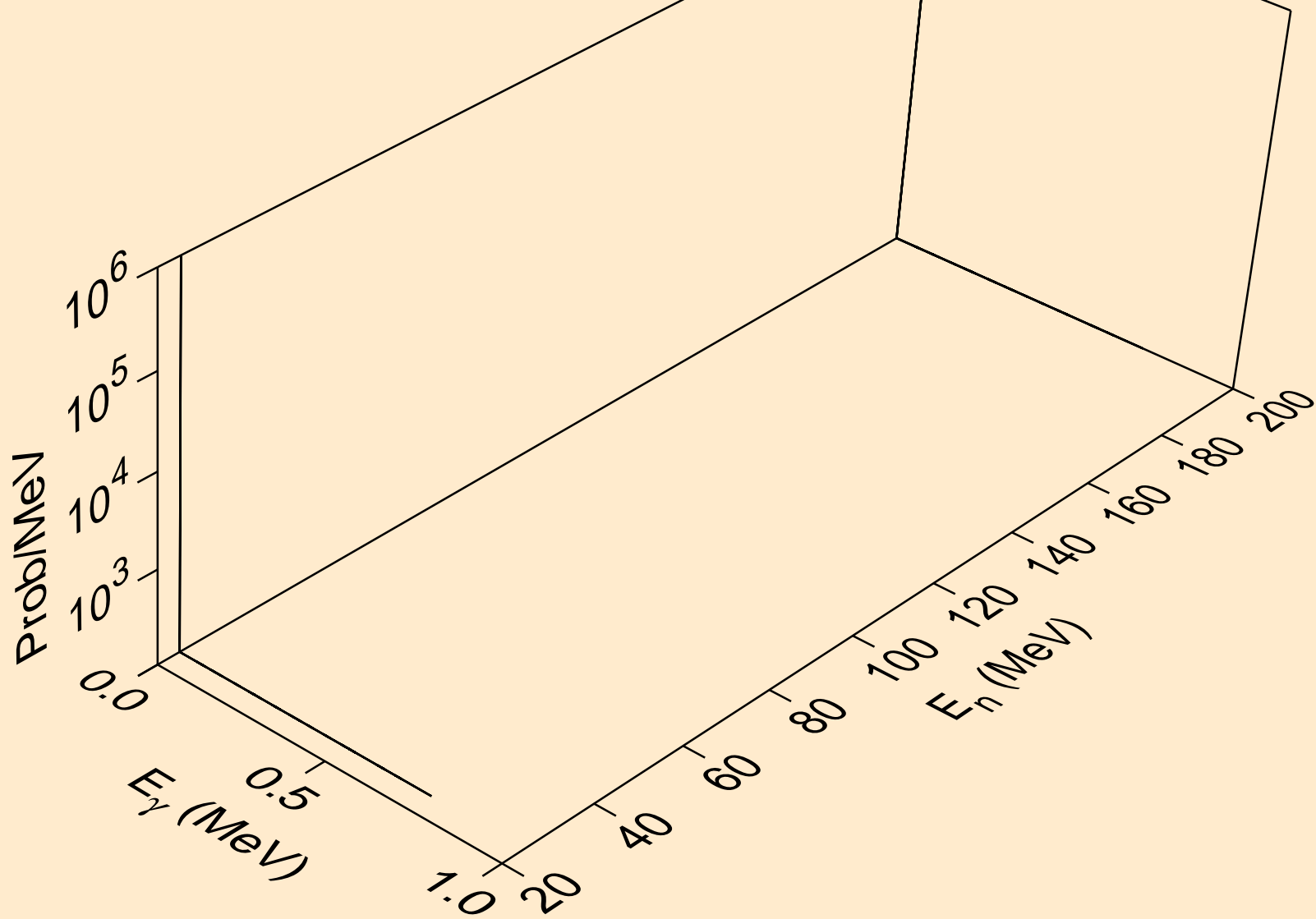
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,4n)



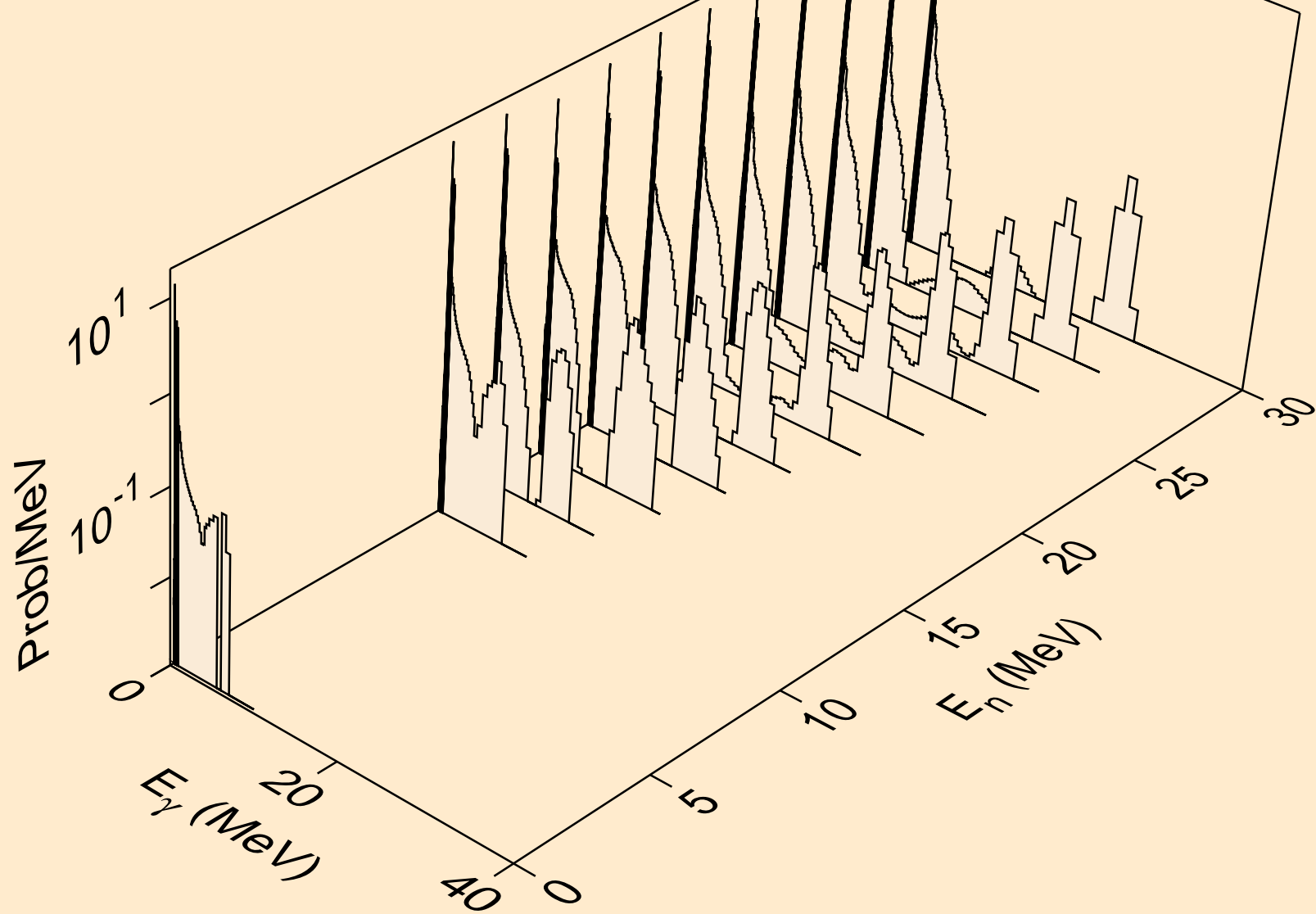
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Photon emission for (n,2np)



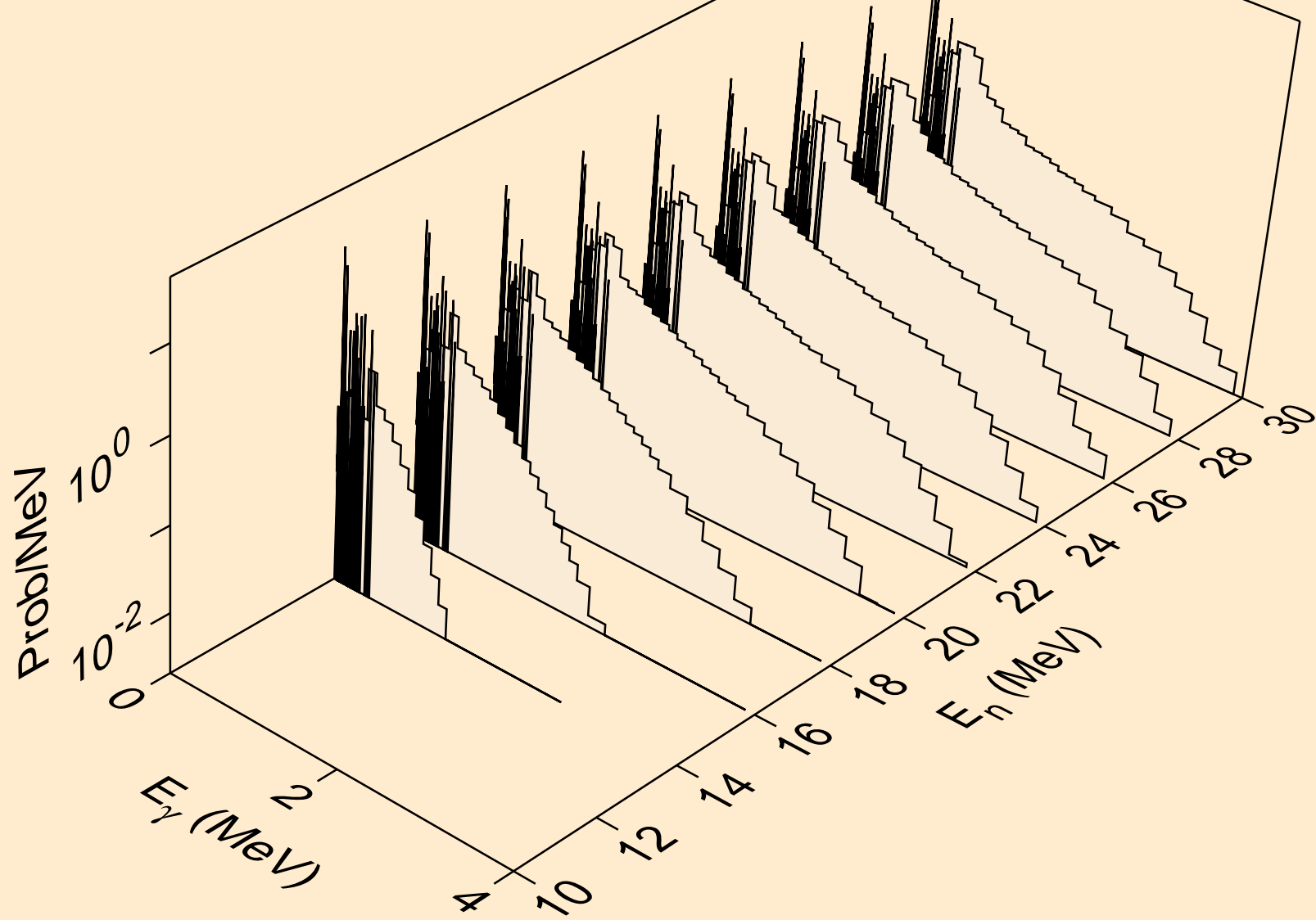
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Photon emission for (n,3np)



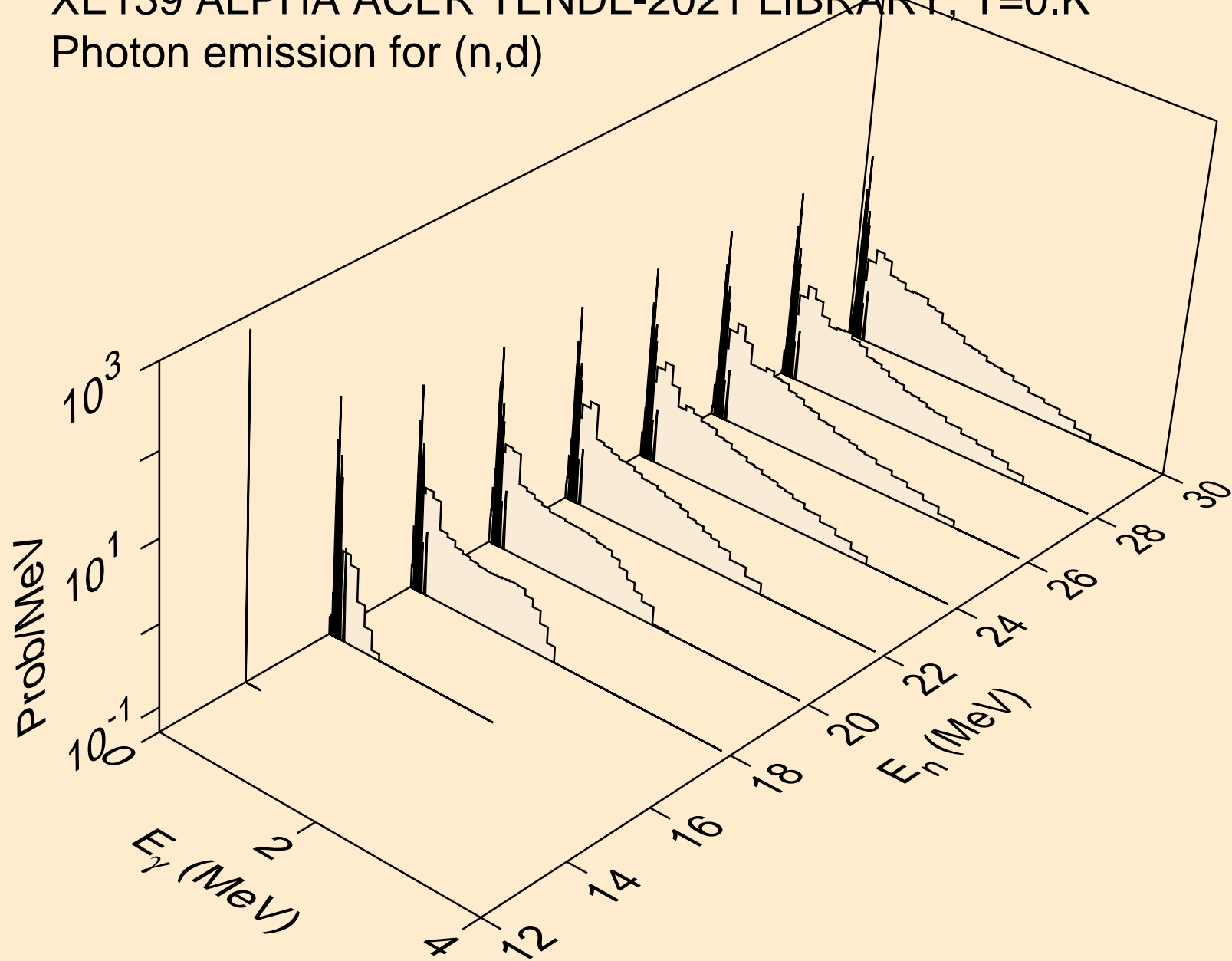
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Photon emission for (n,gma)



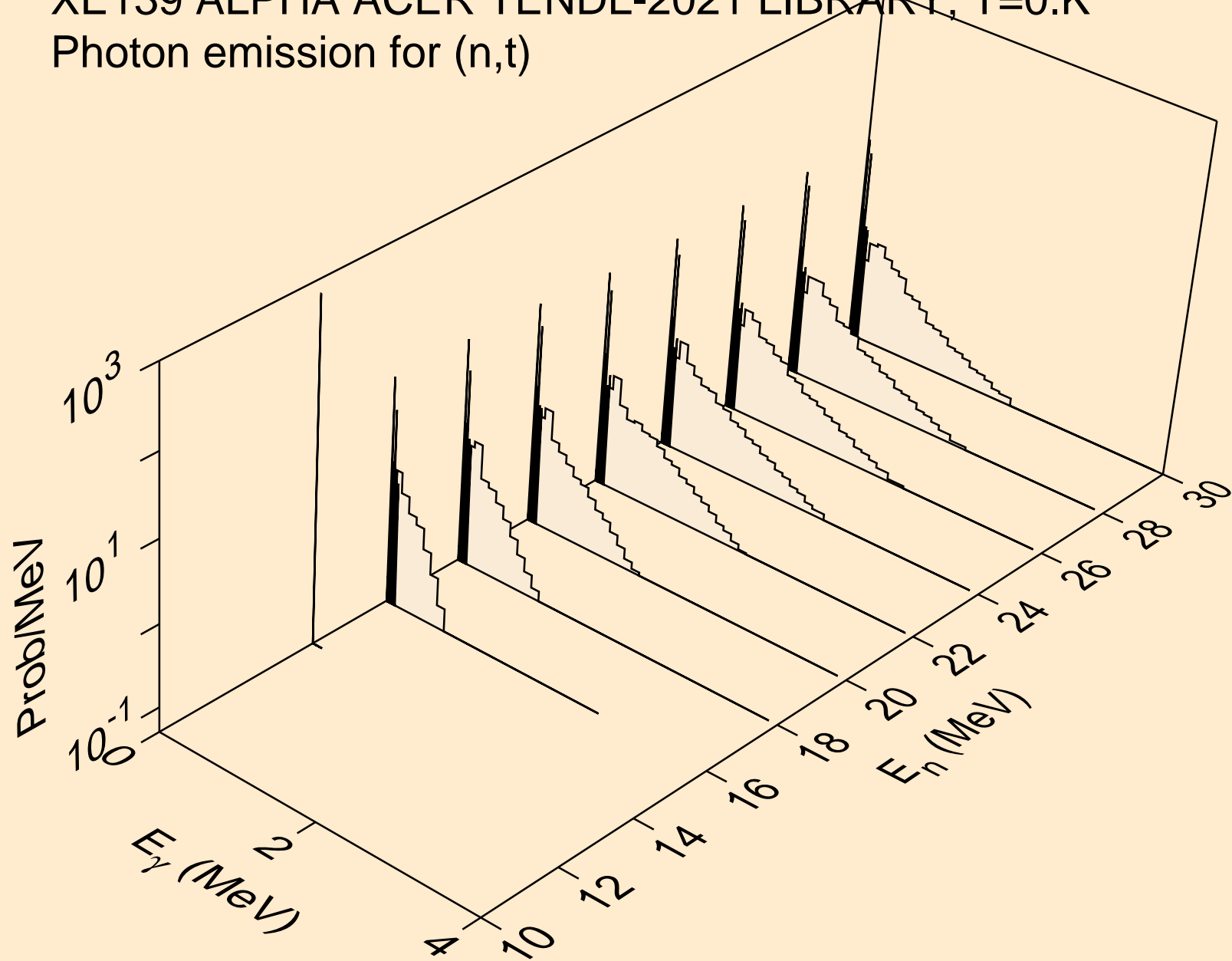
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Photon emission for (n,p)



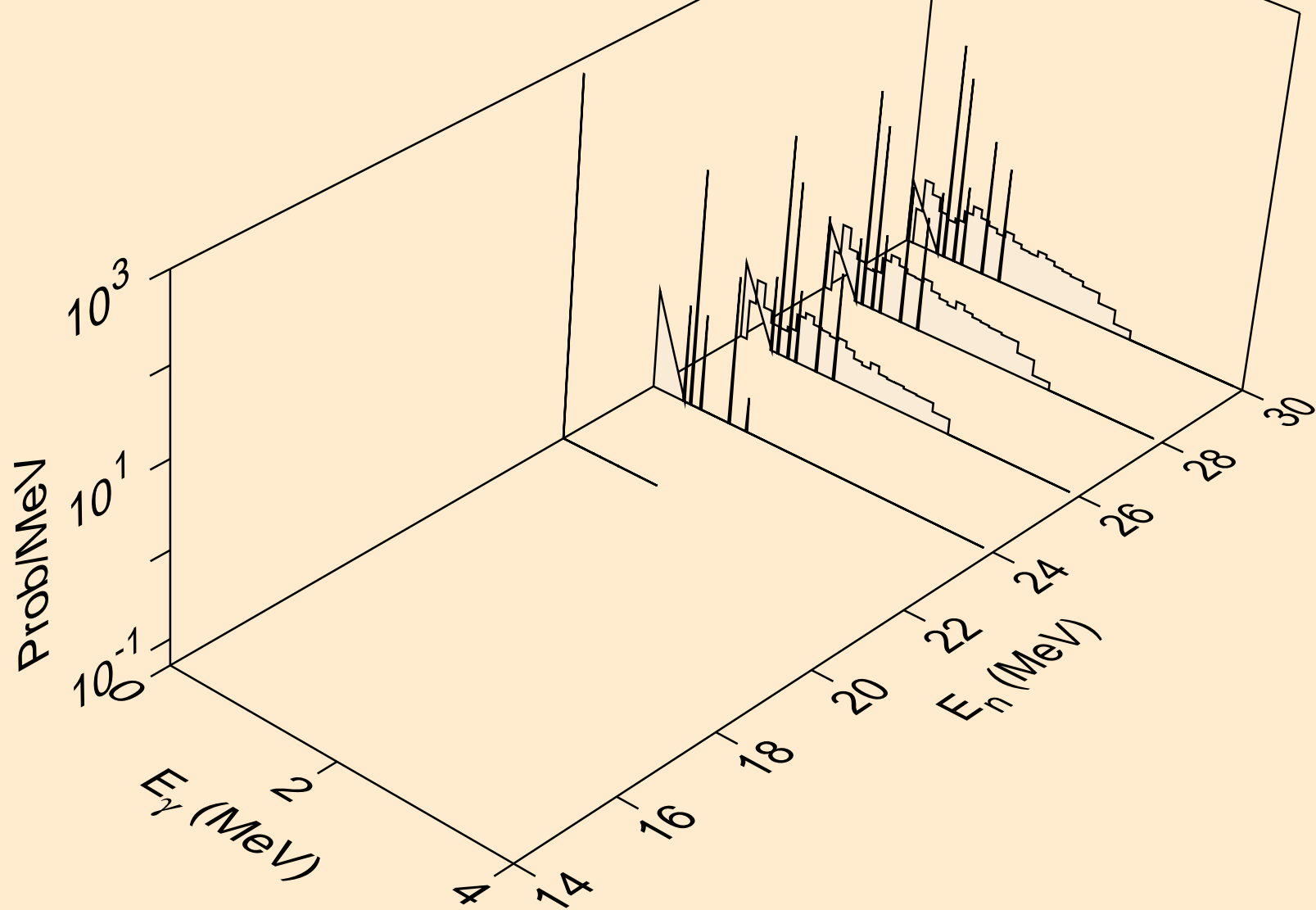
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Photon emission for (n,d)



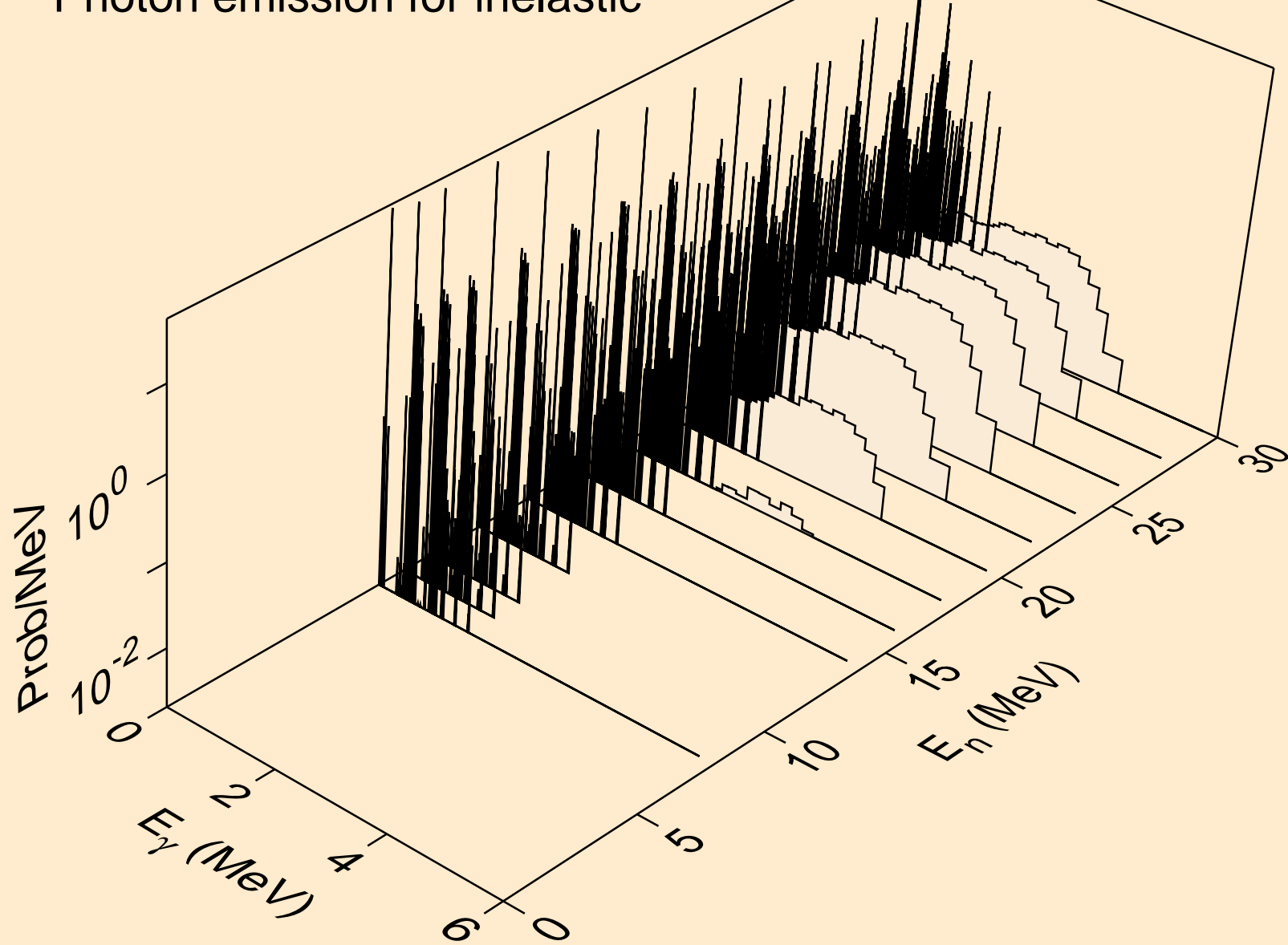
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,t)



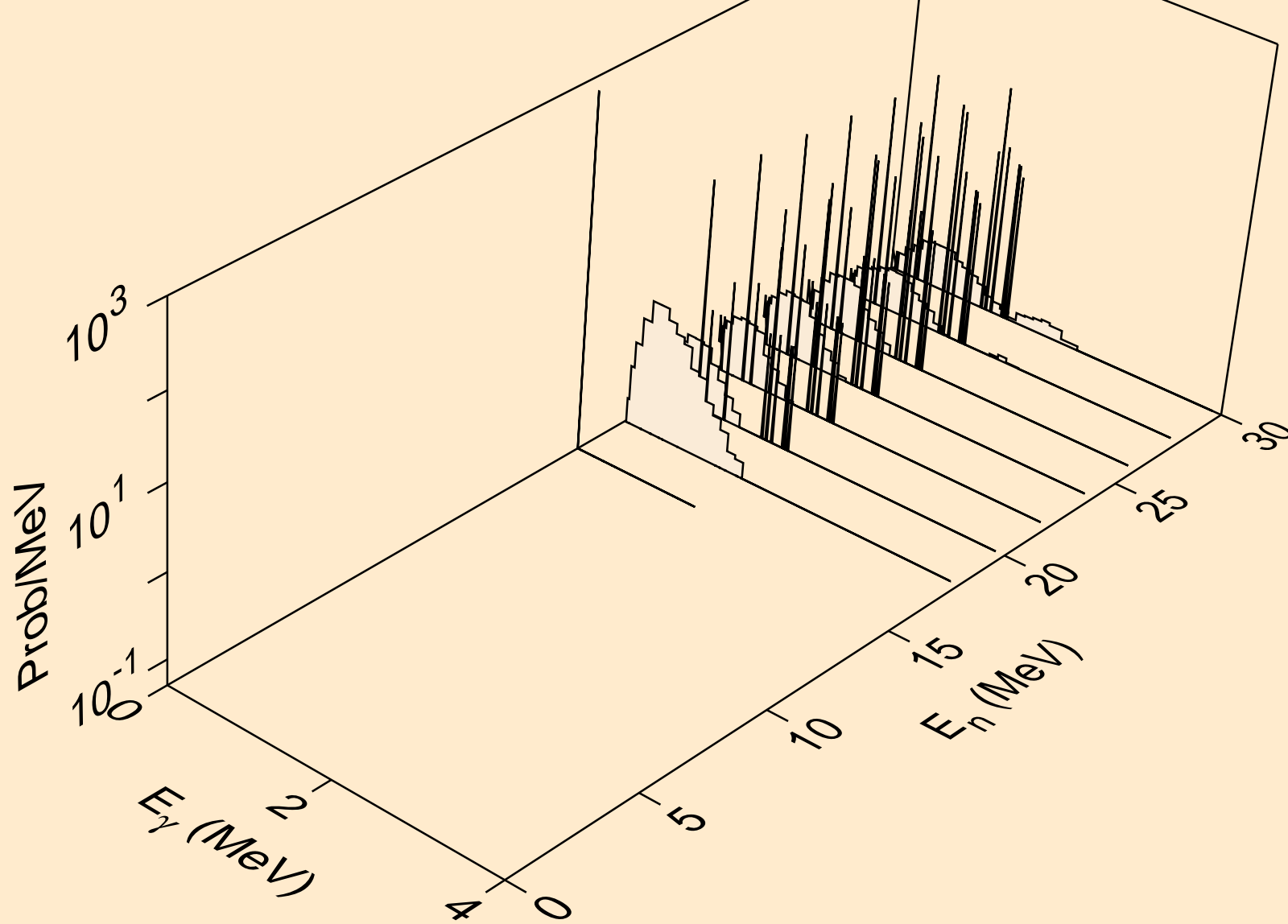
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Photon emission for (n,he3)



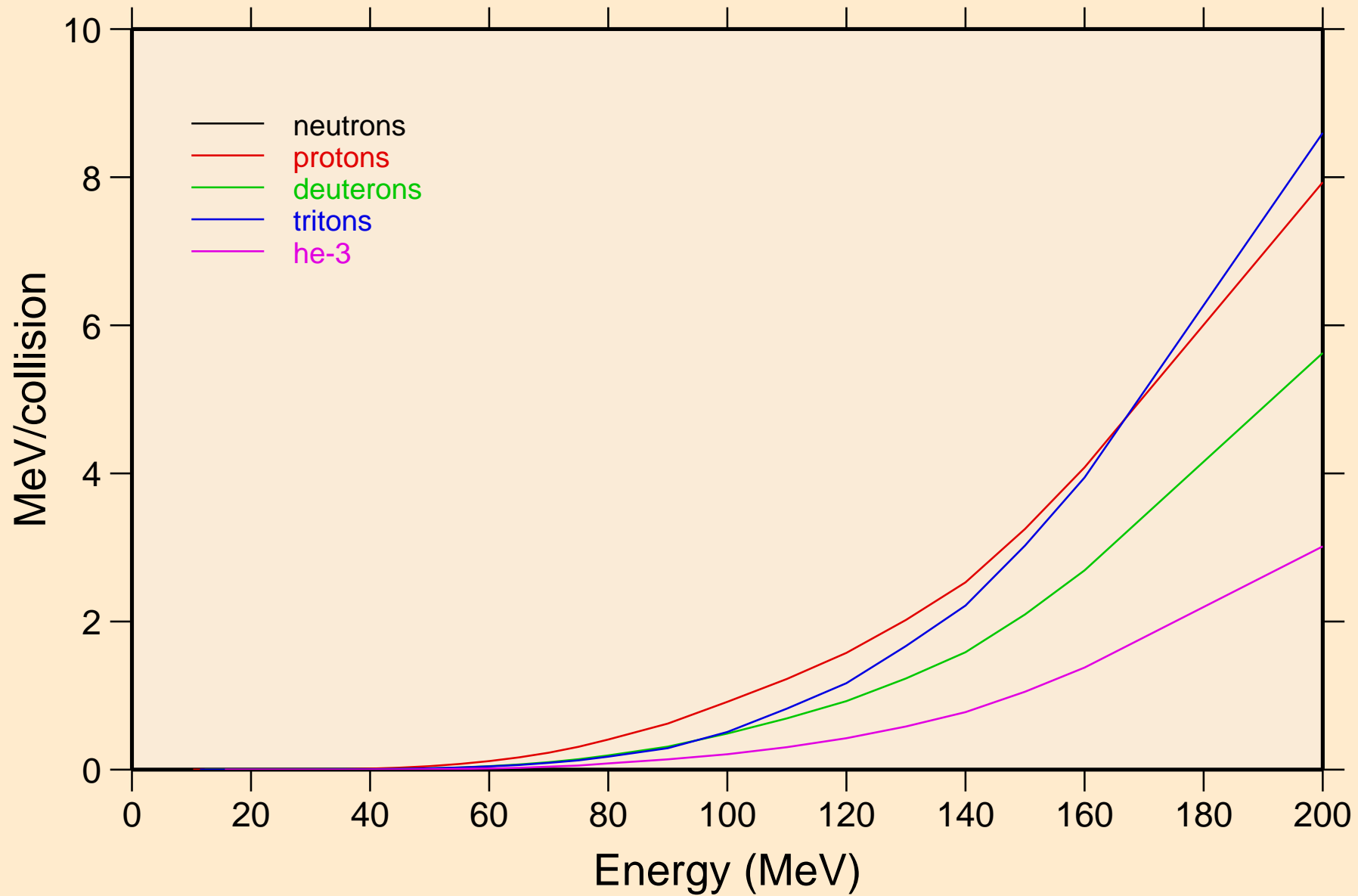
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Photon emission for inelastic



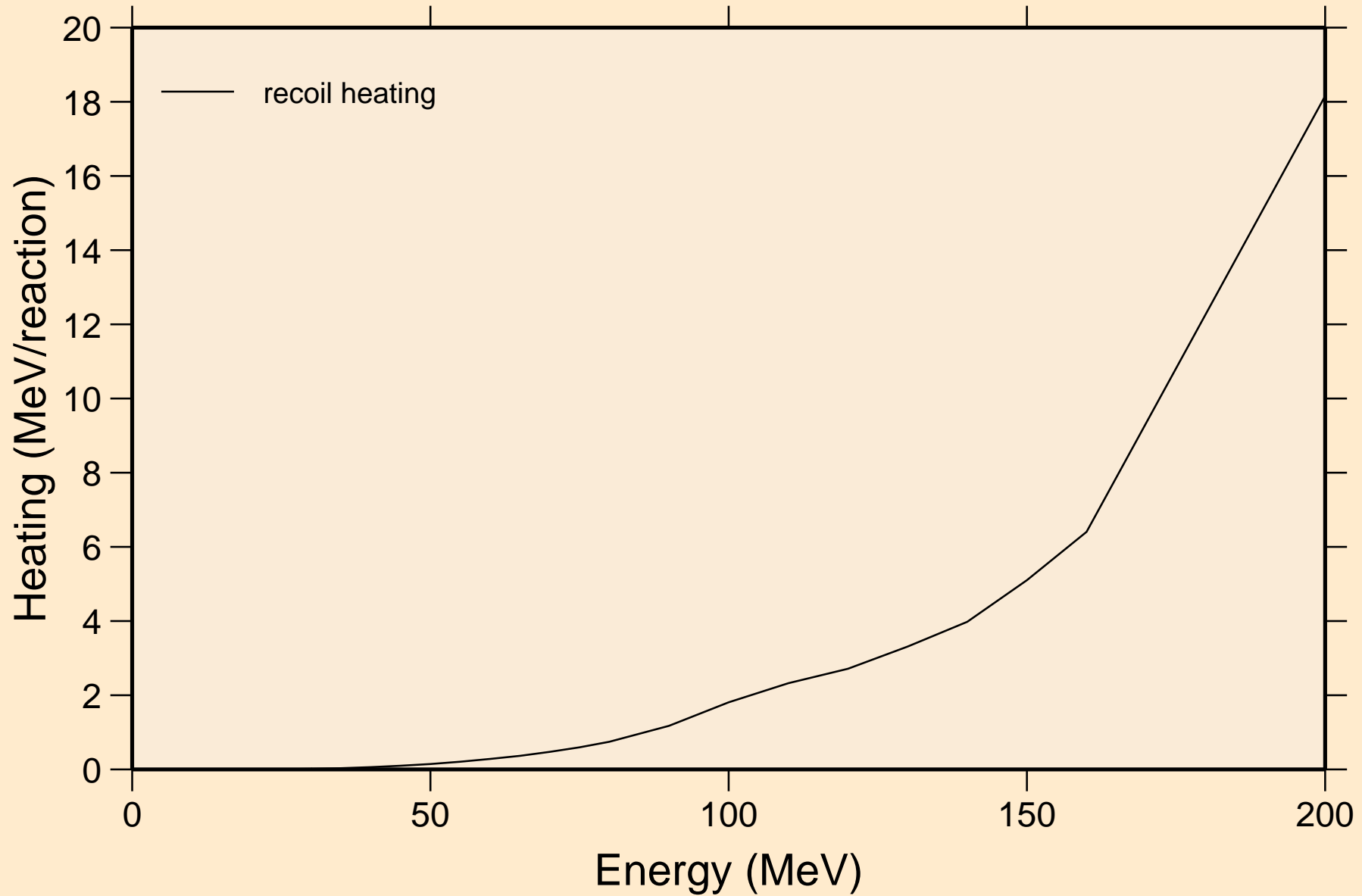
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2a)



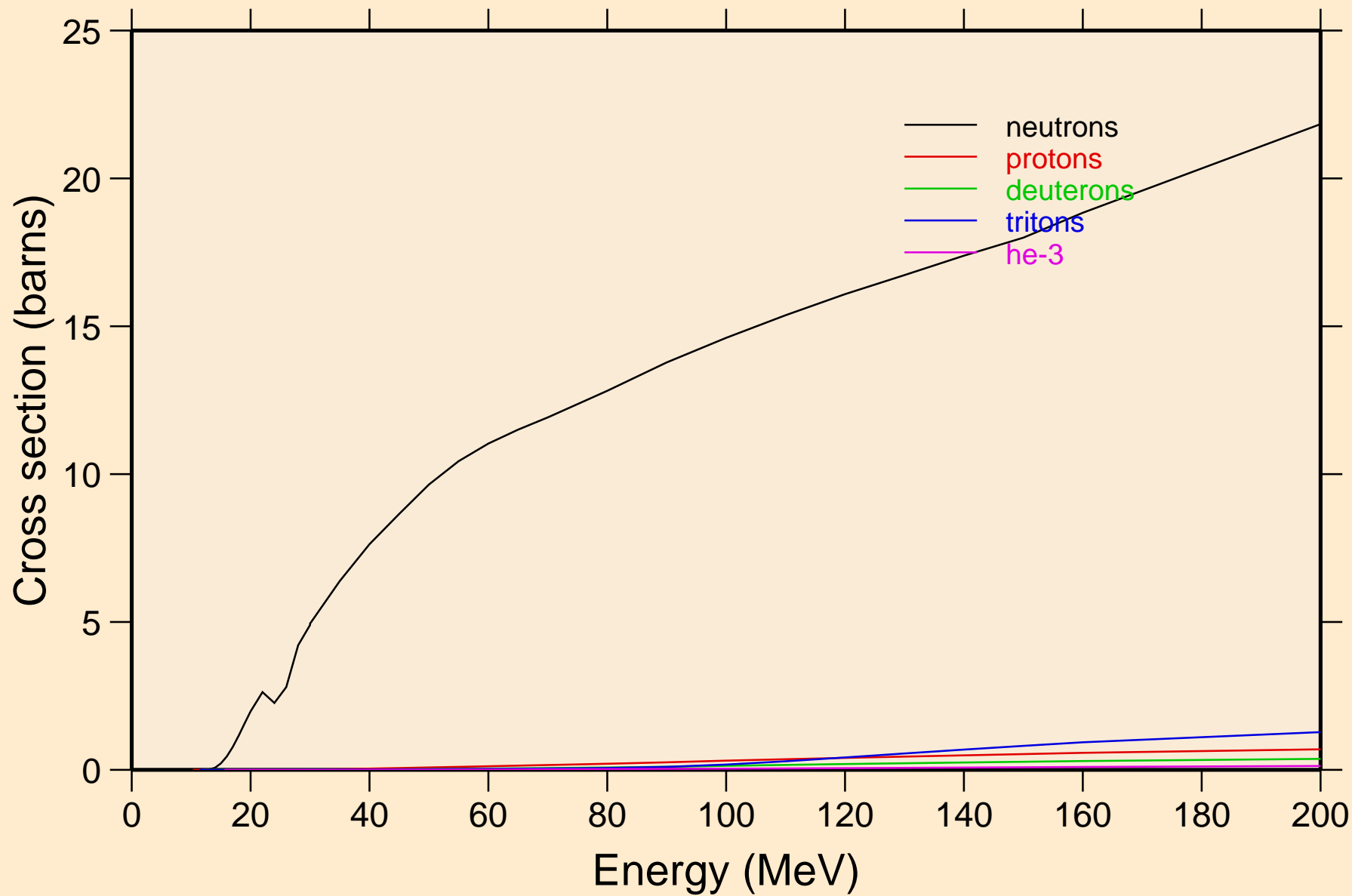
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions



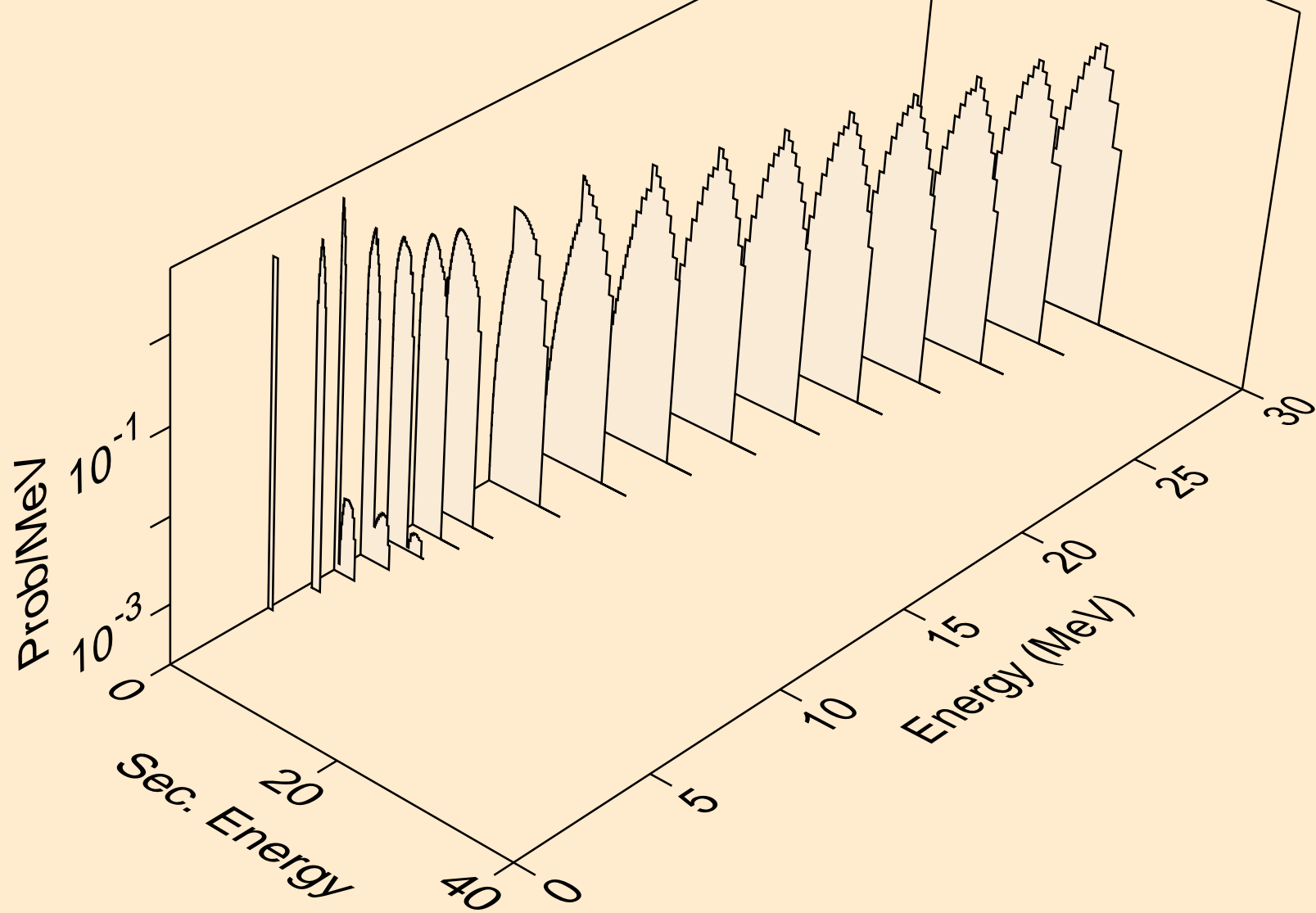
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Recoil Heating



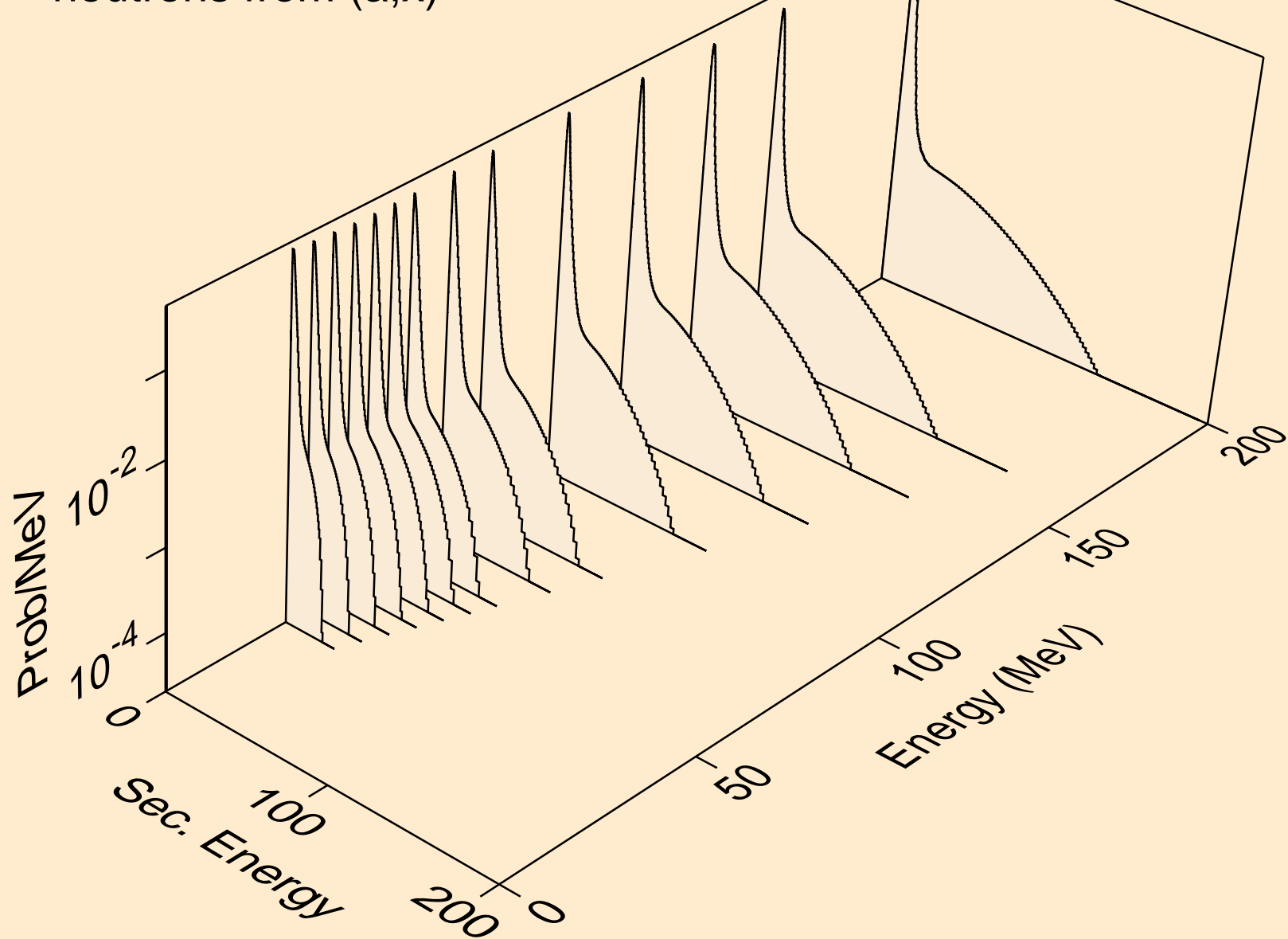
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections



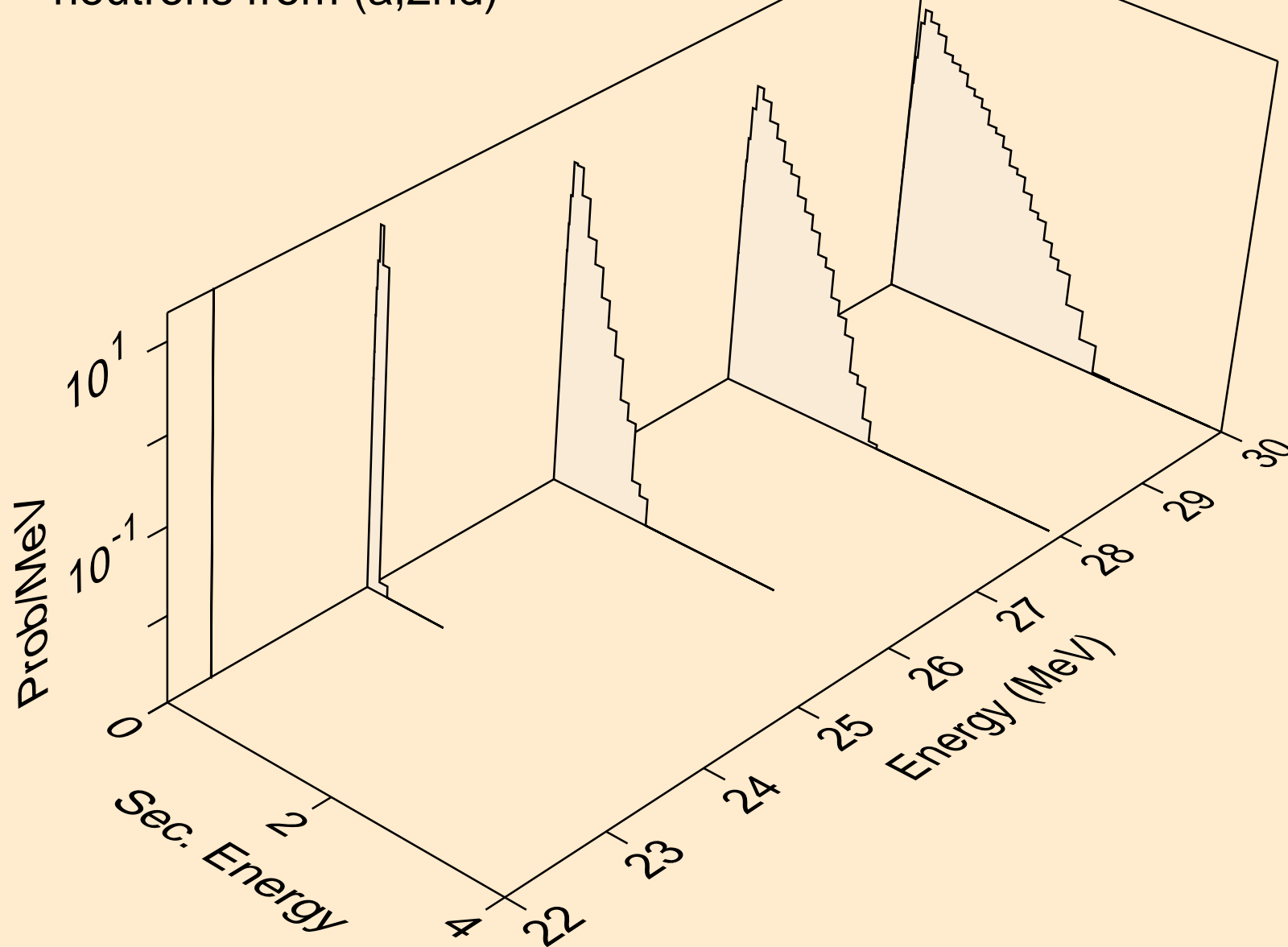
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n)



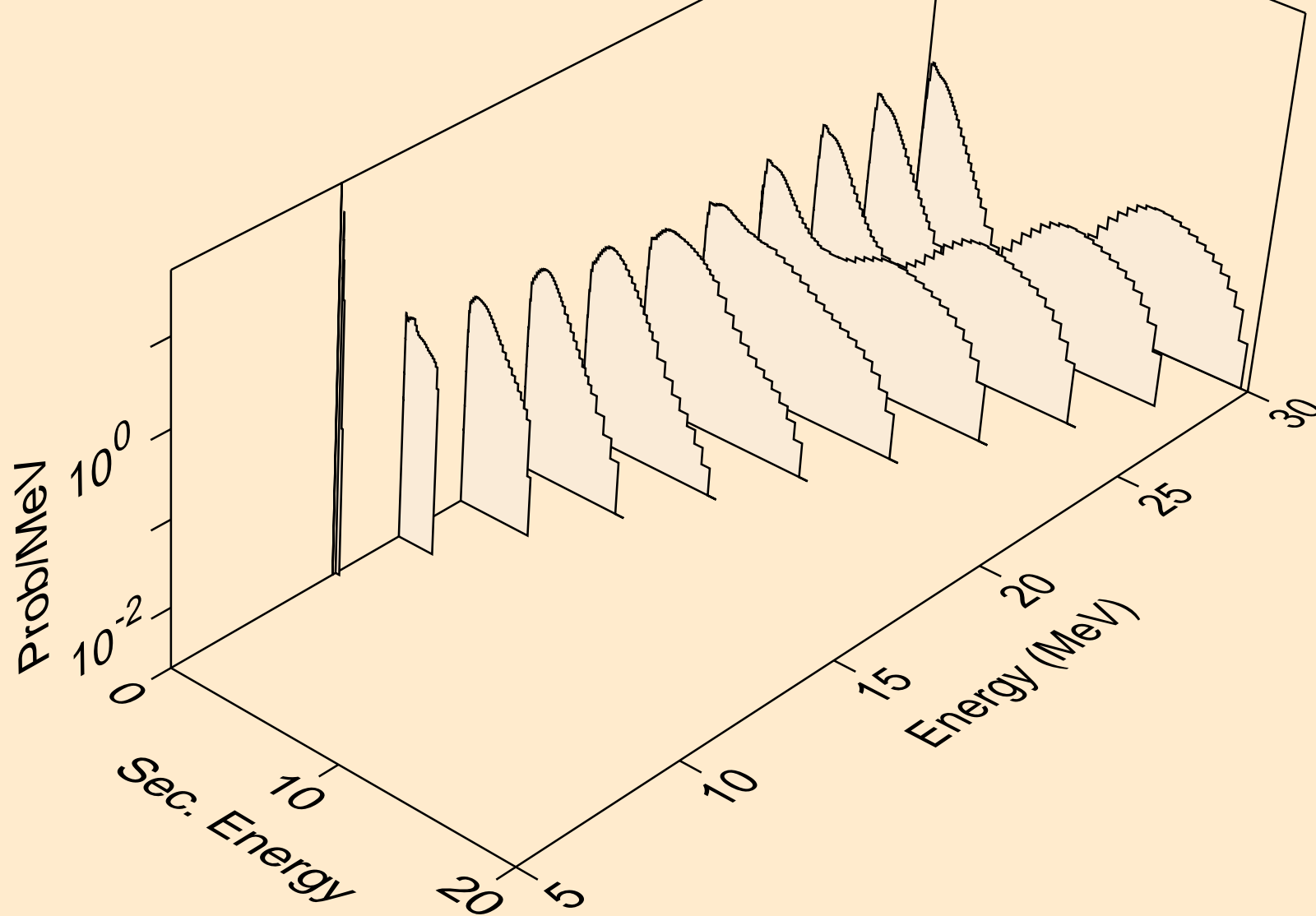
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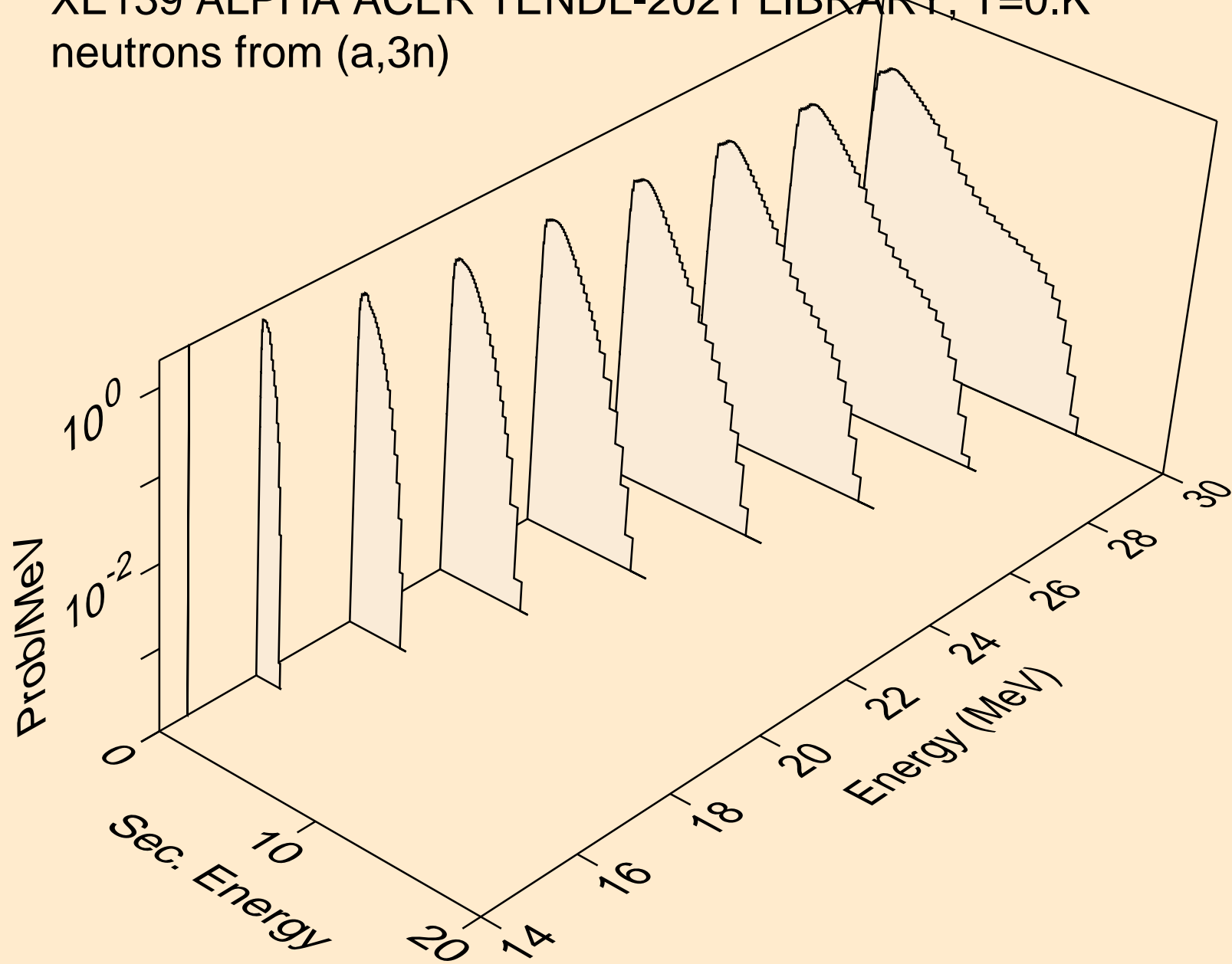
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neutrons from (a,2nd)



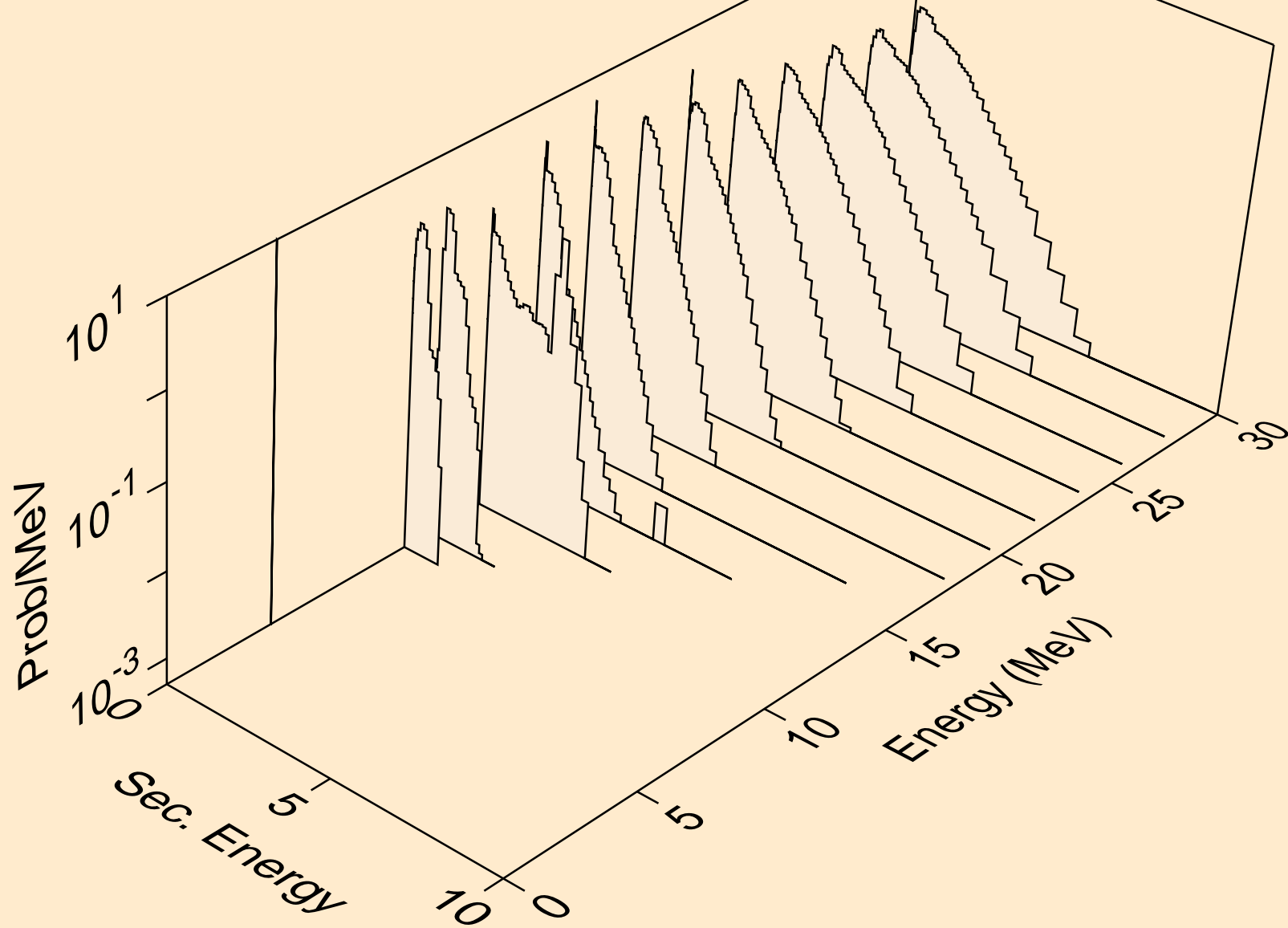
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neutrons from (a,2n)



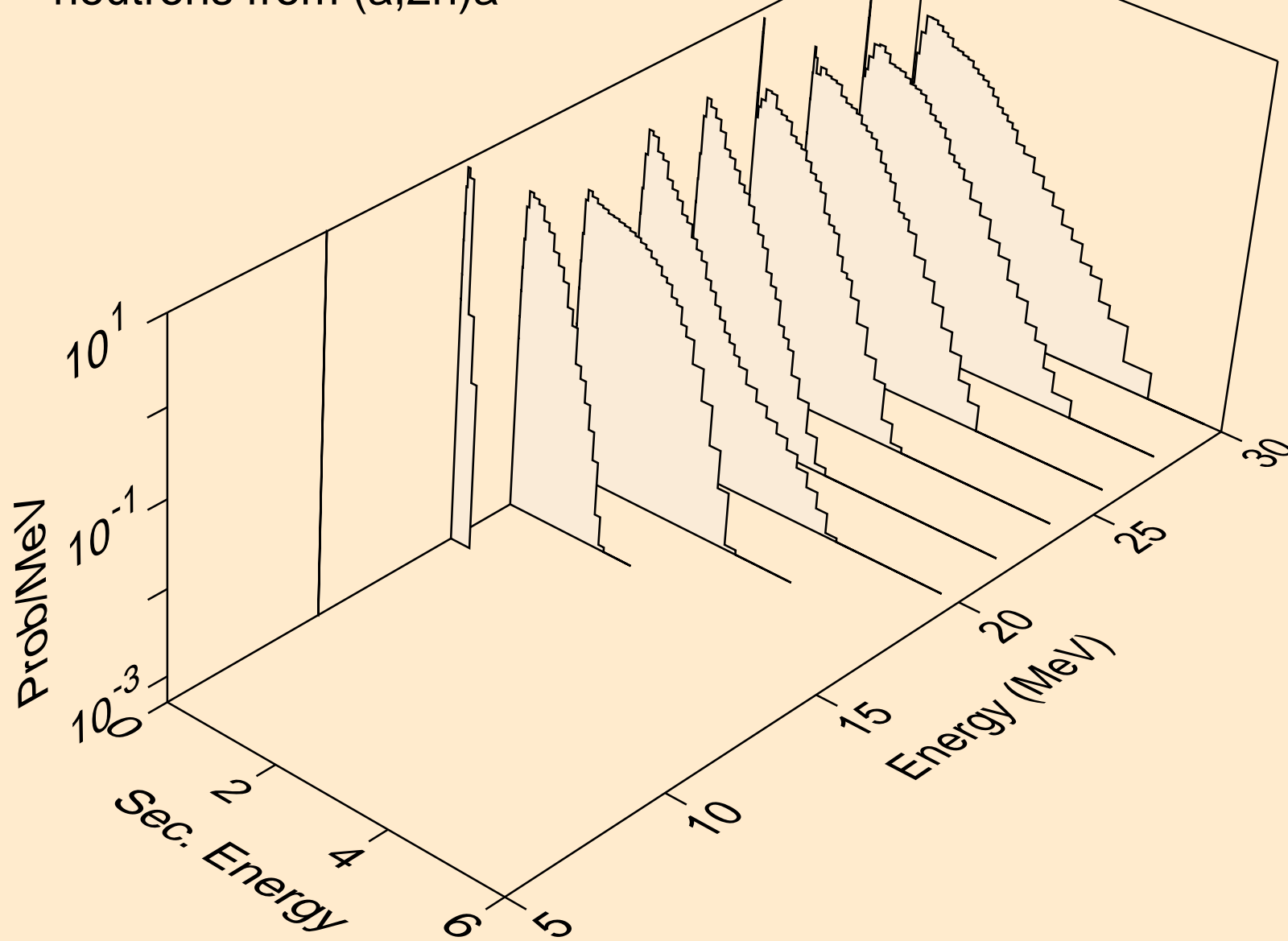
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,3n)



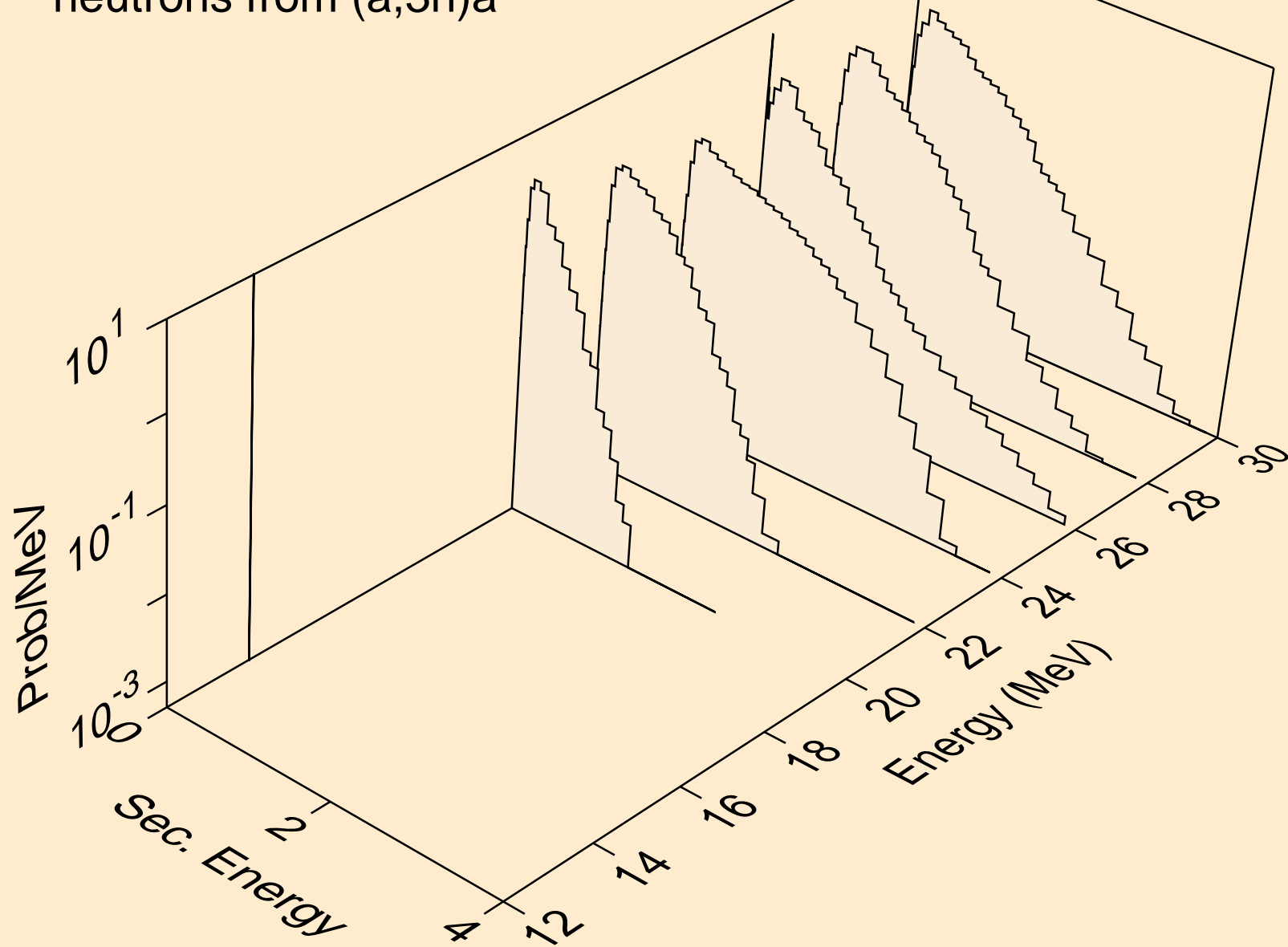
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)a



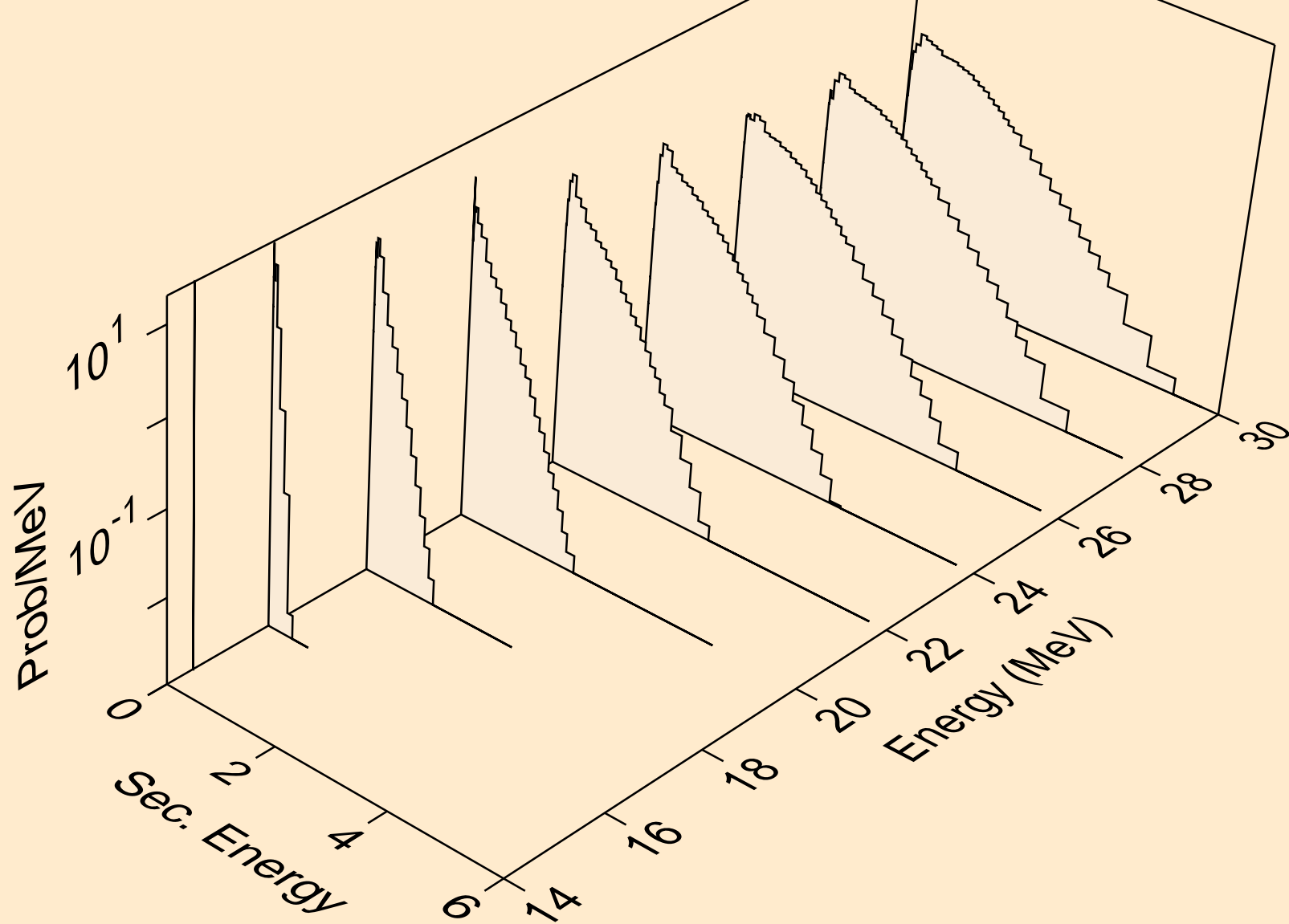
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)a



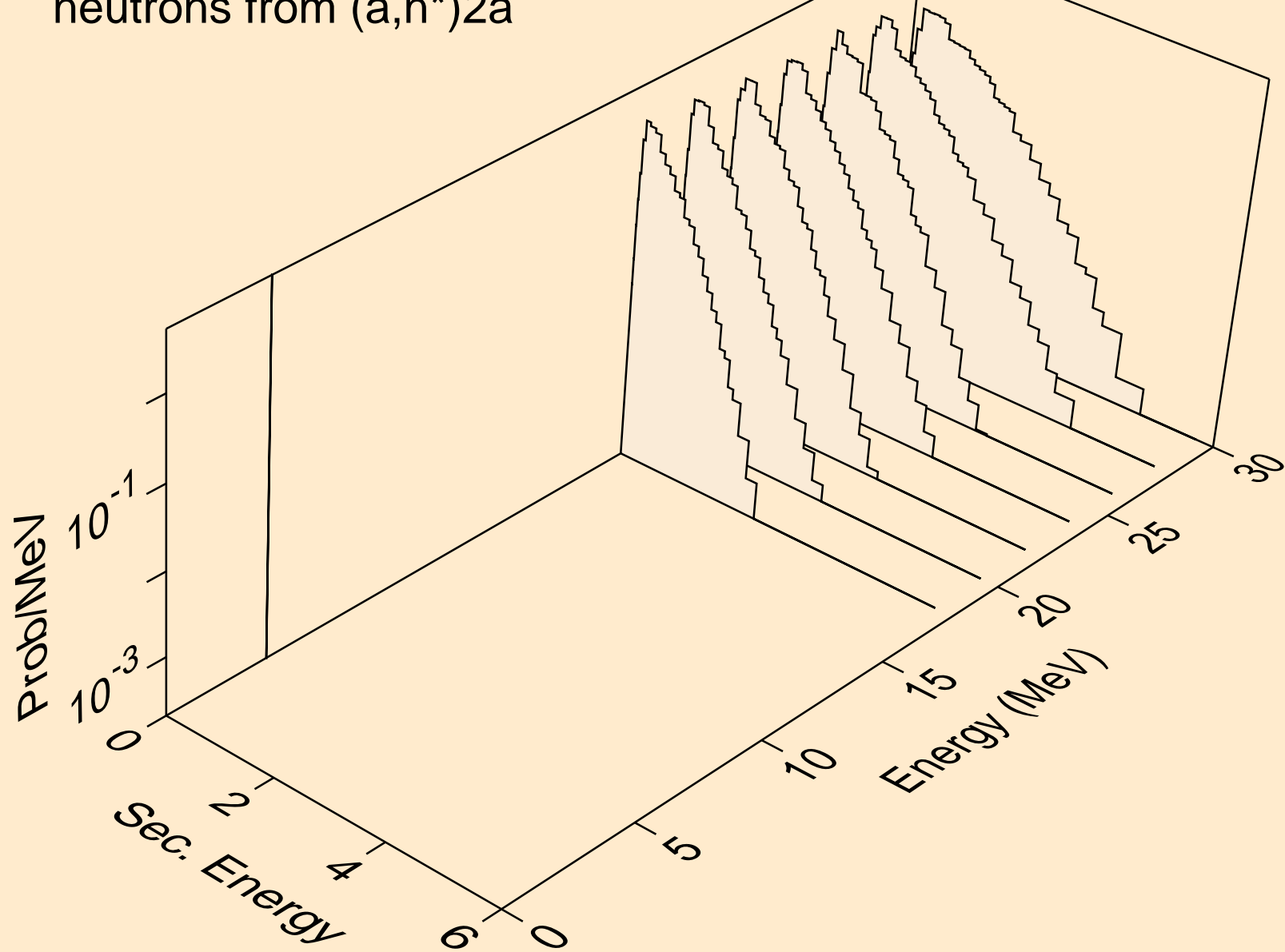
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neutrons from (a,3n)a



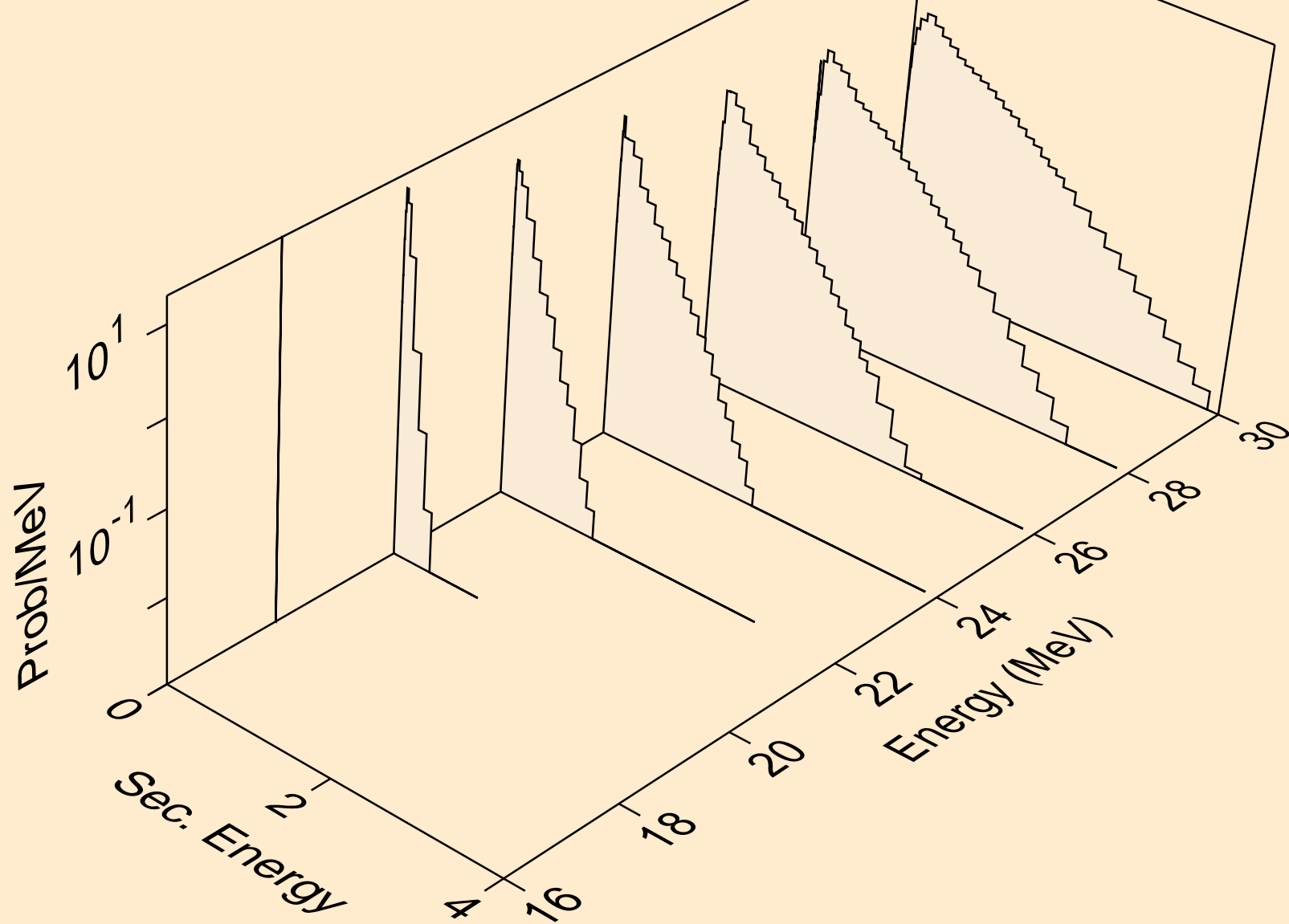
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)p



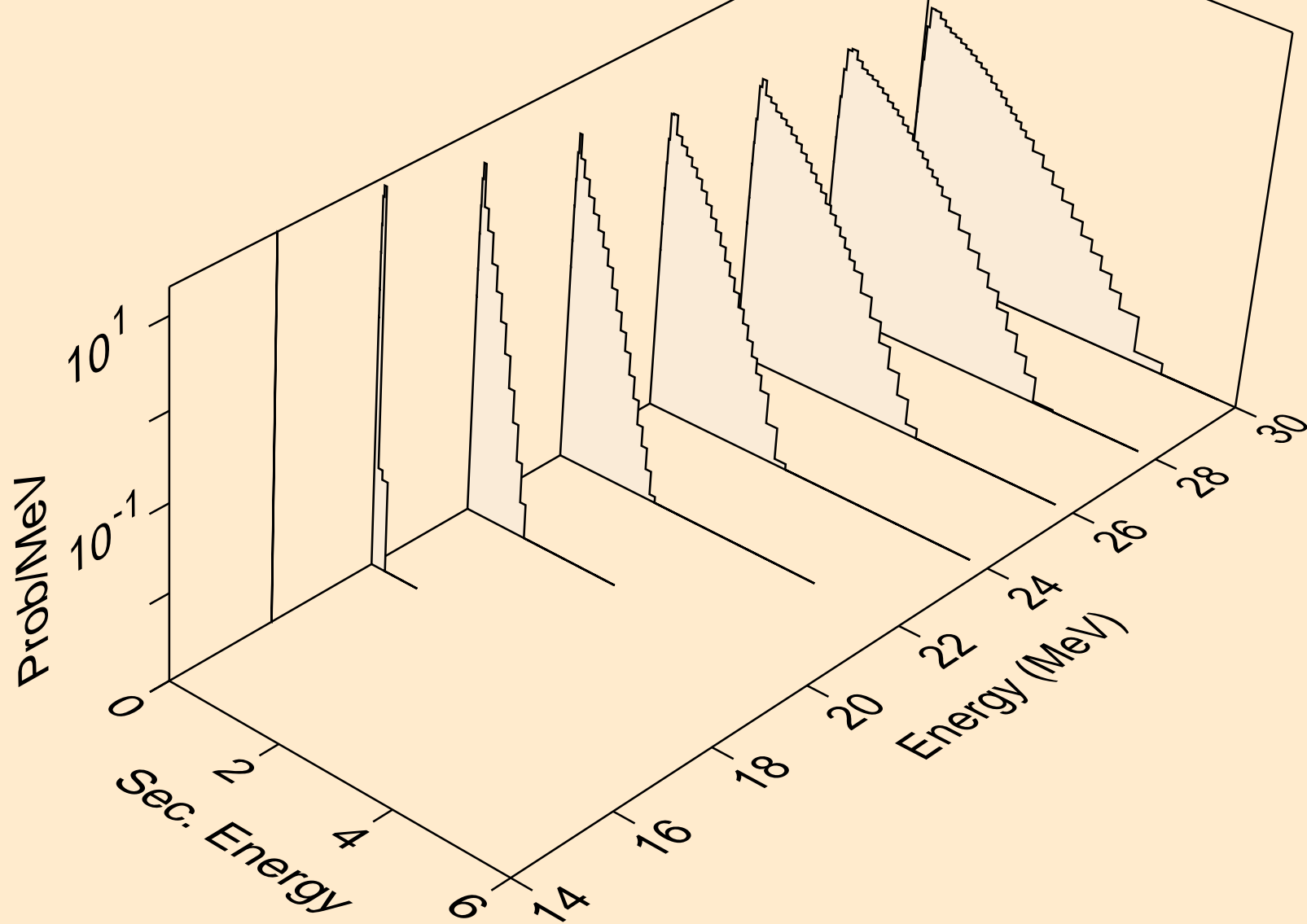
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)2a



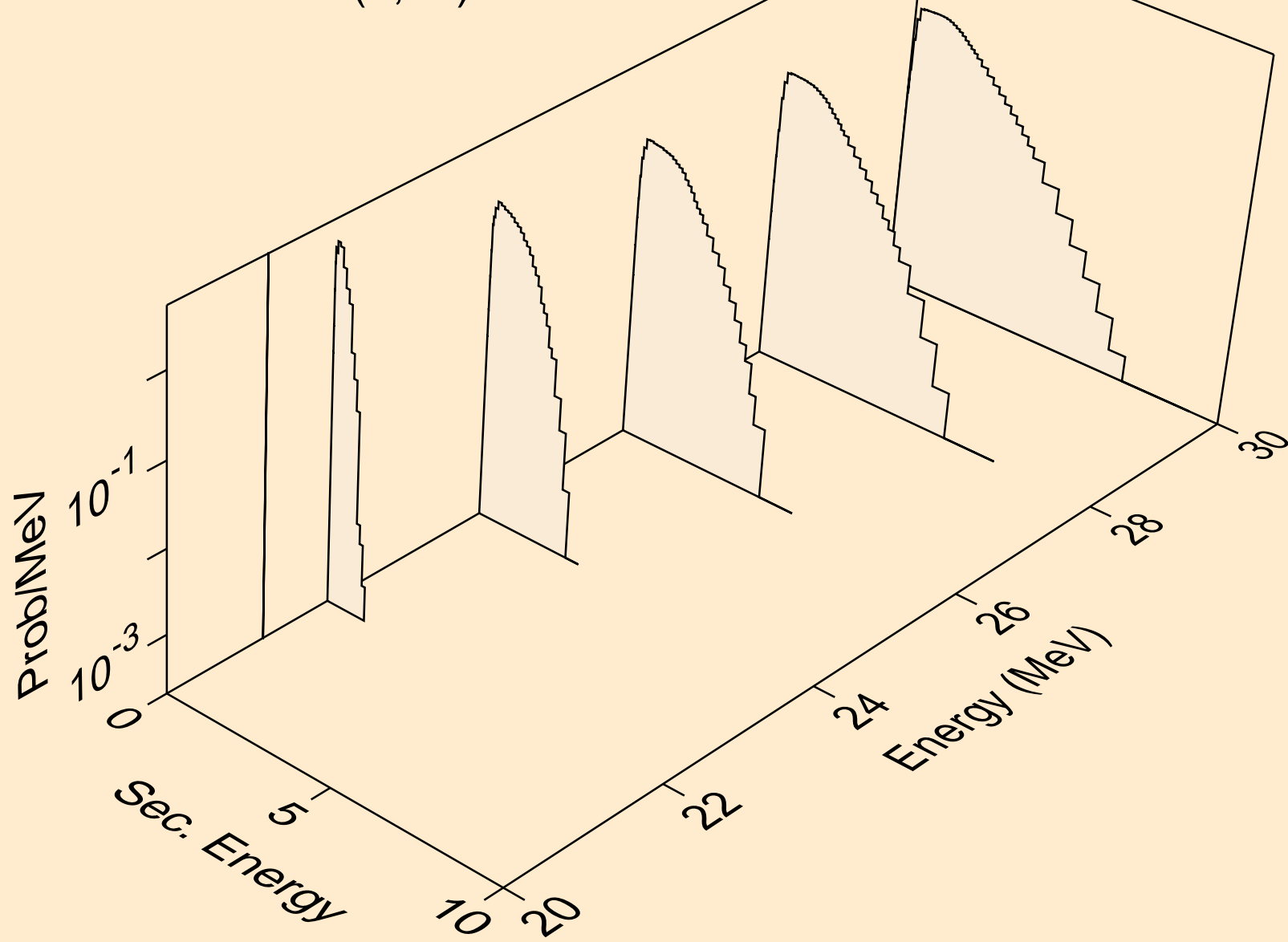
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neutrons from (a,n*)d



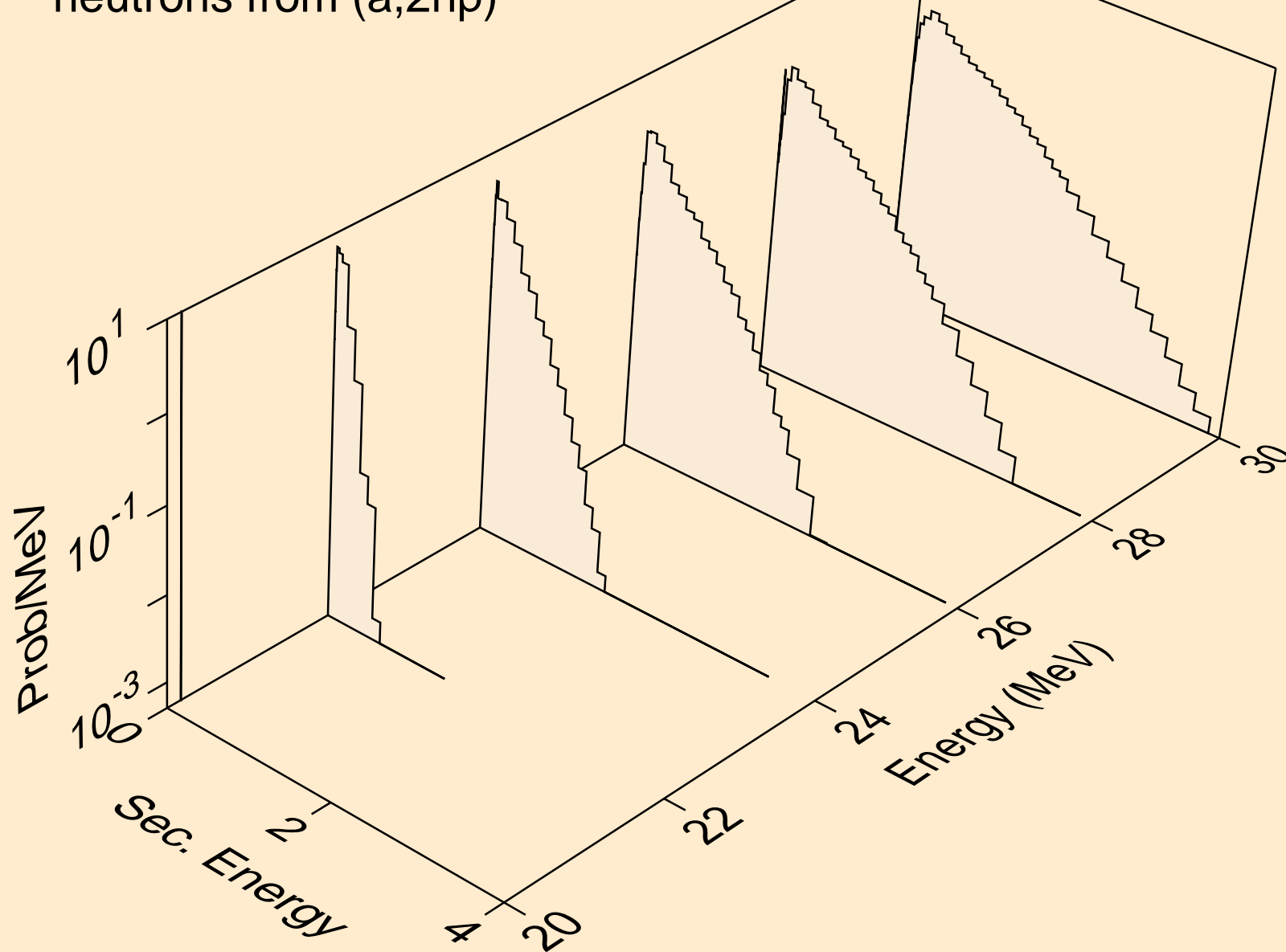
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)t



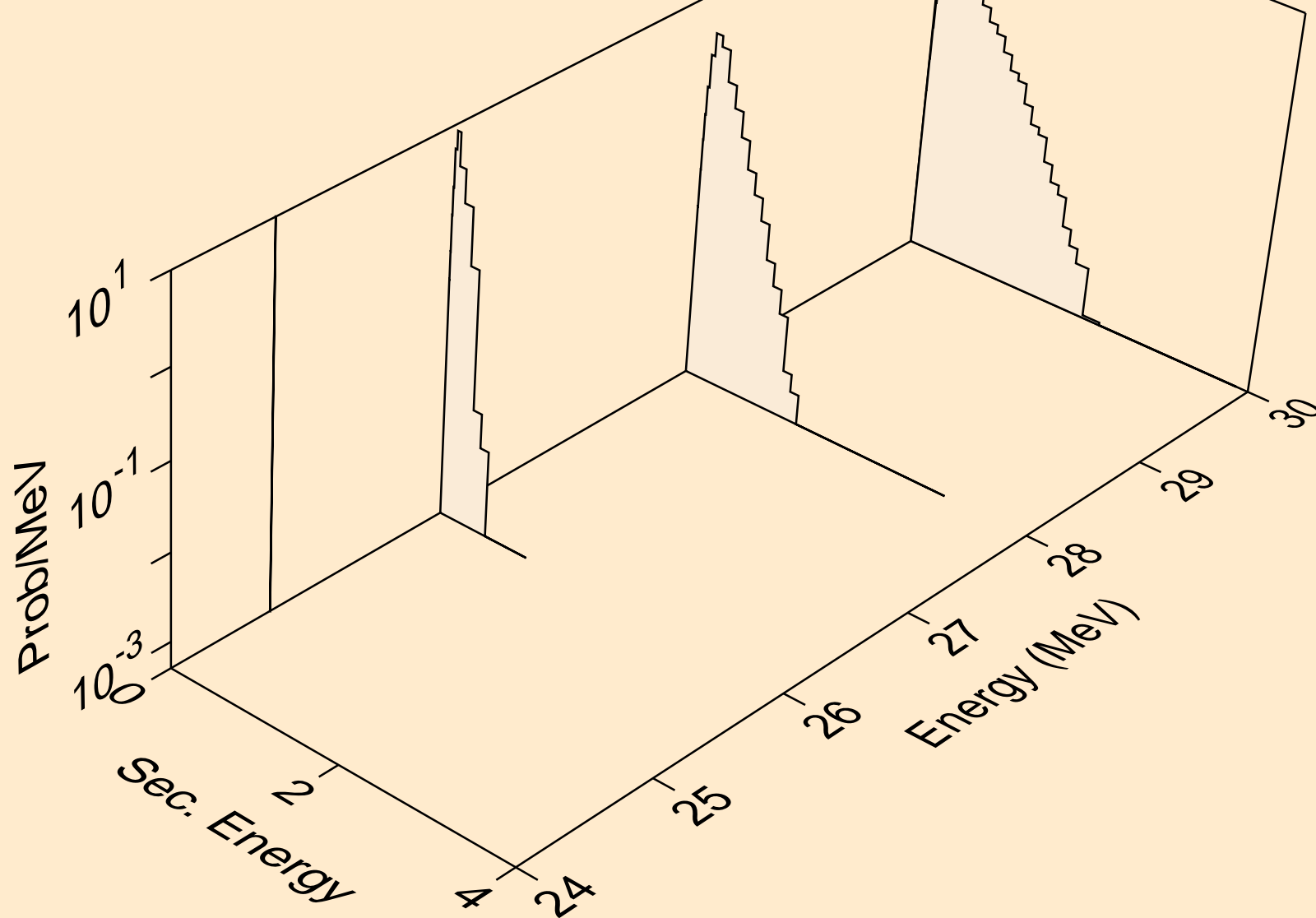
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,4n)



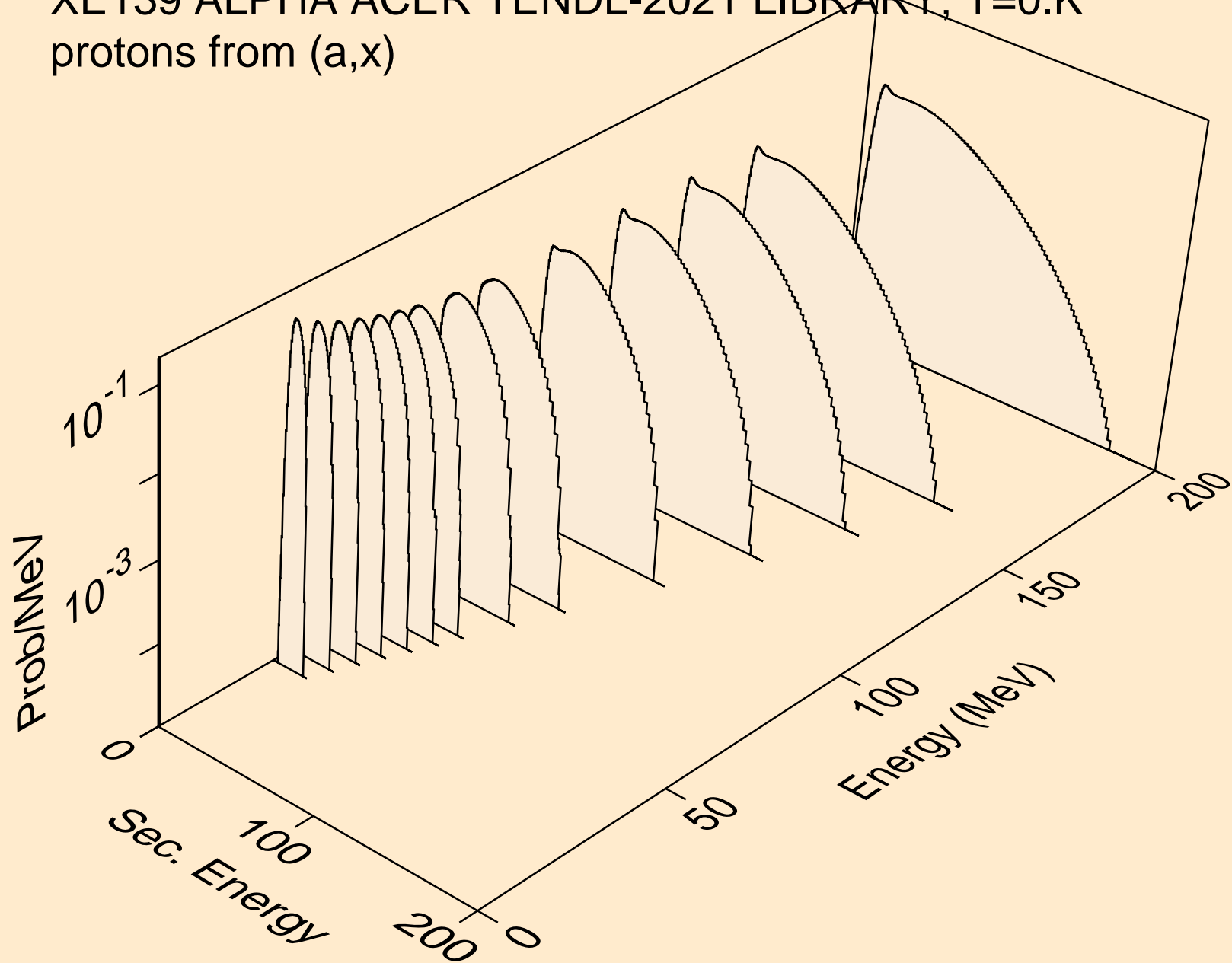
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2np)



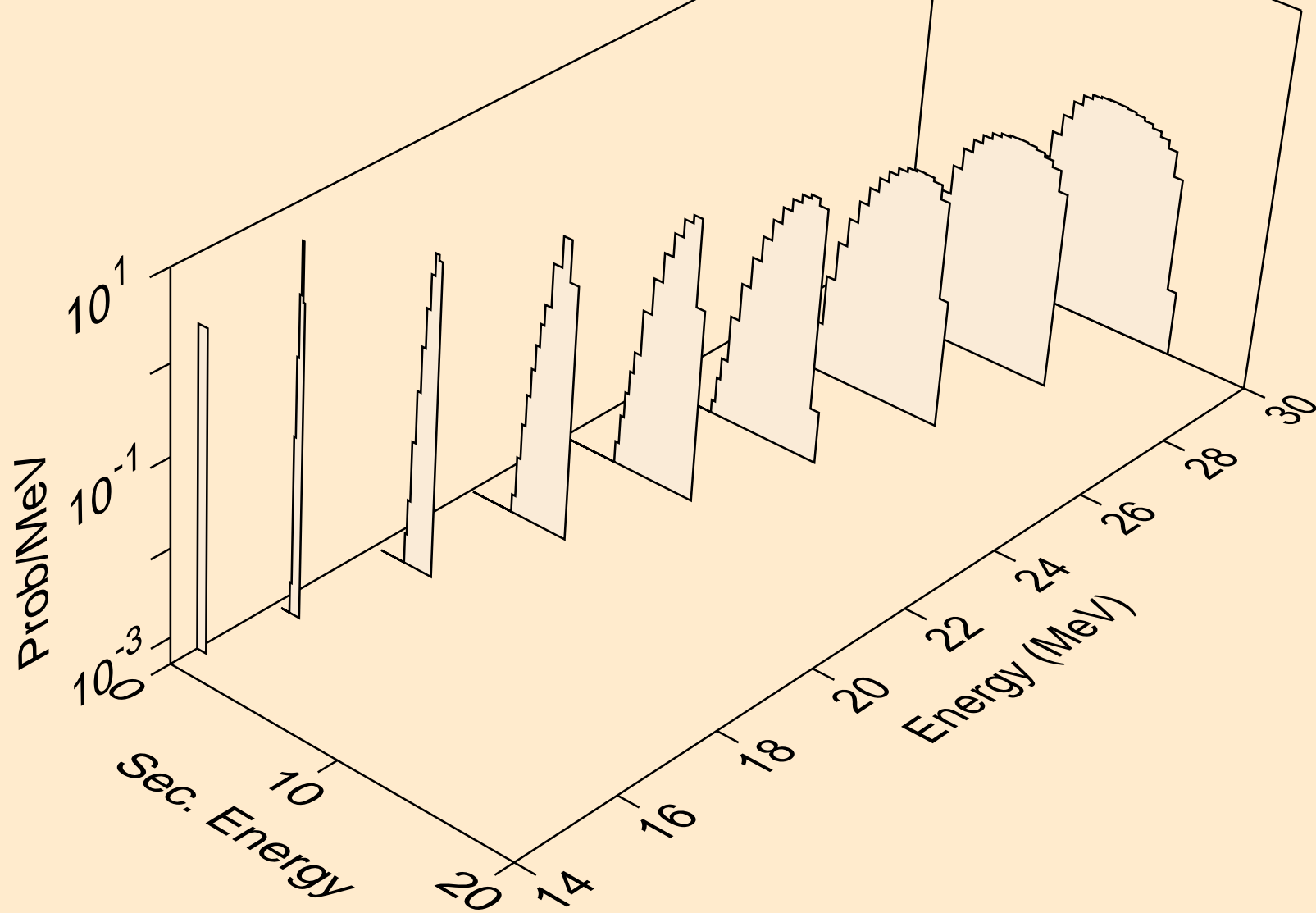
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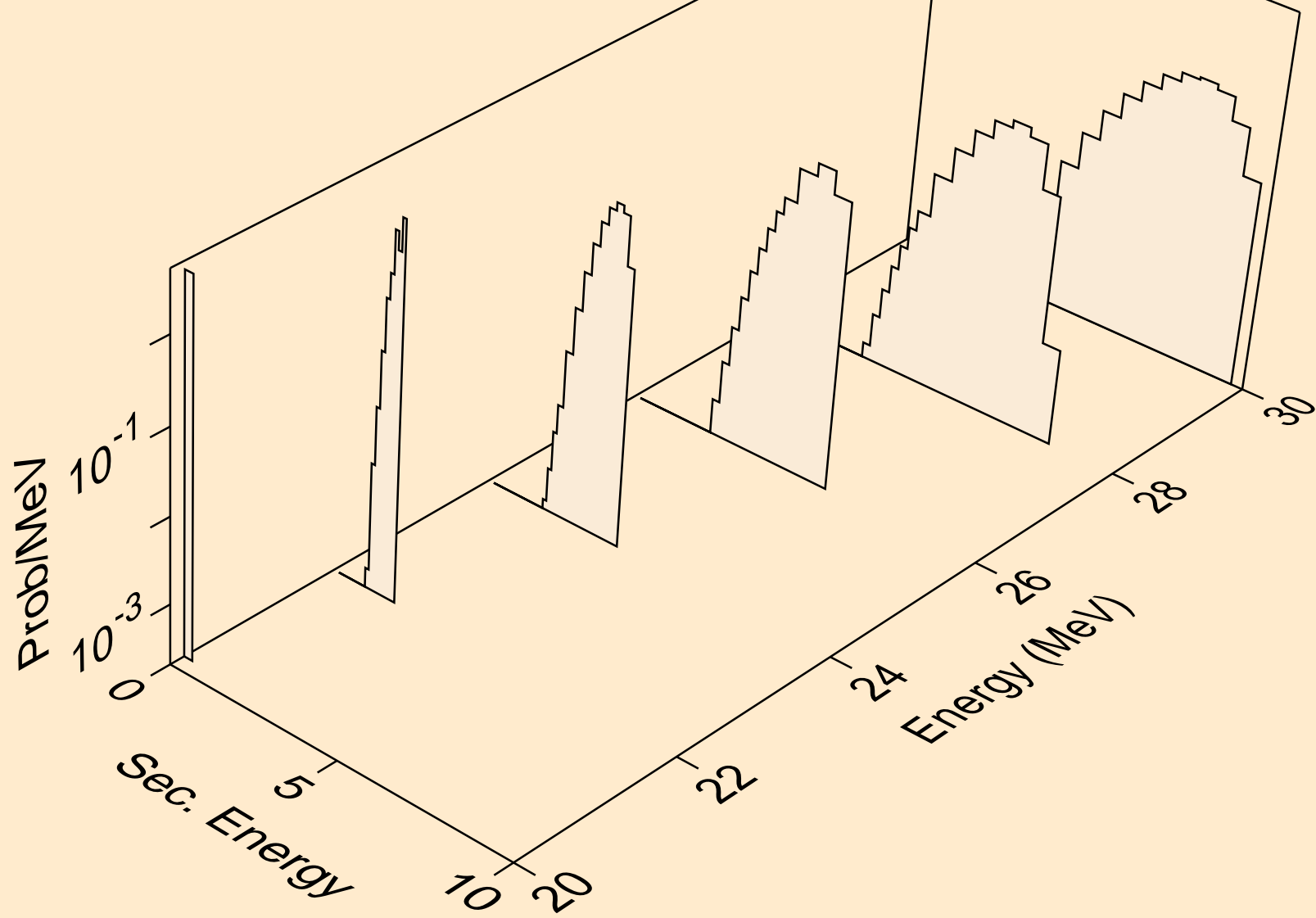
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protons from (a,x)



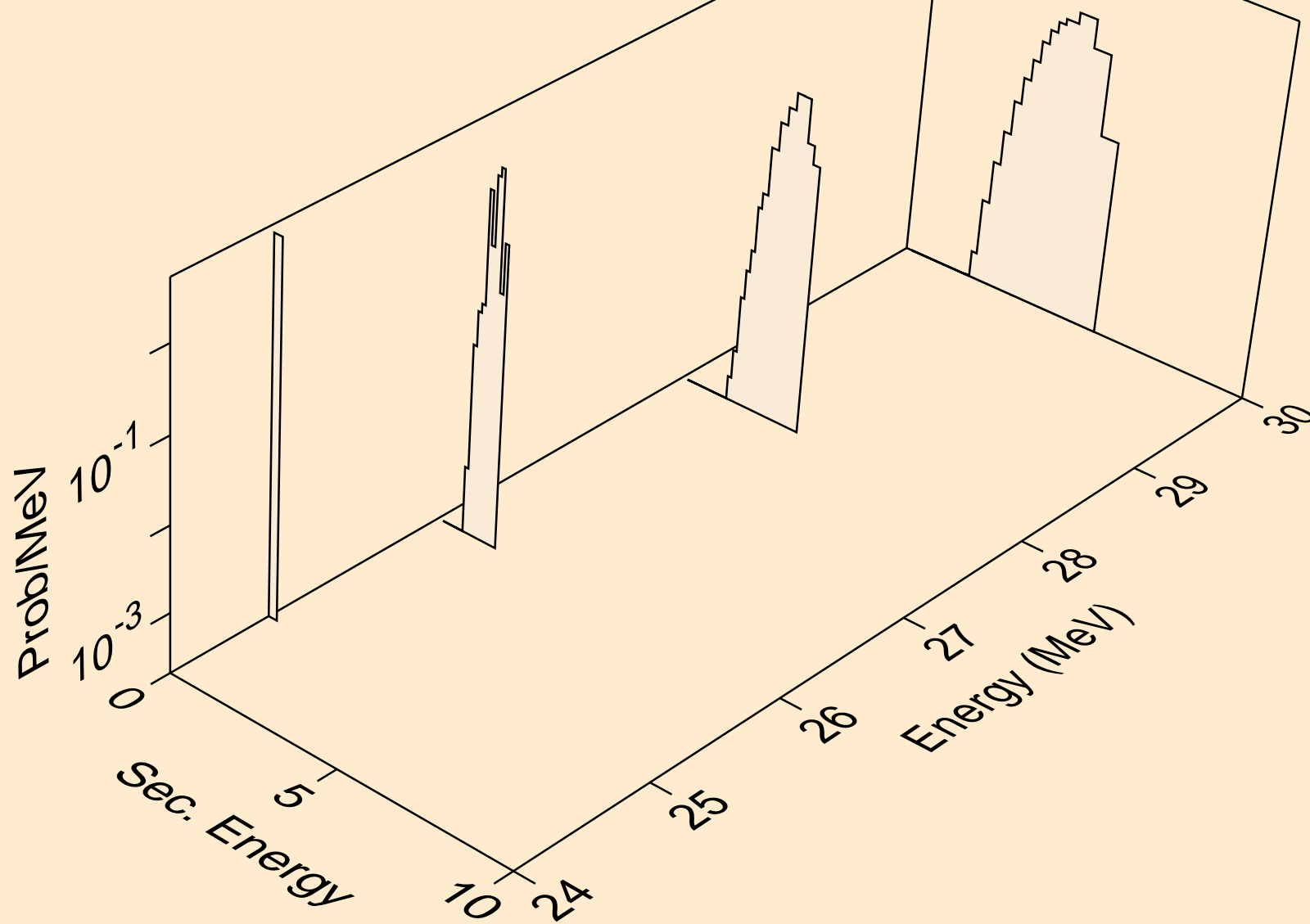
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,n*)p



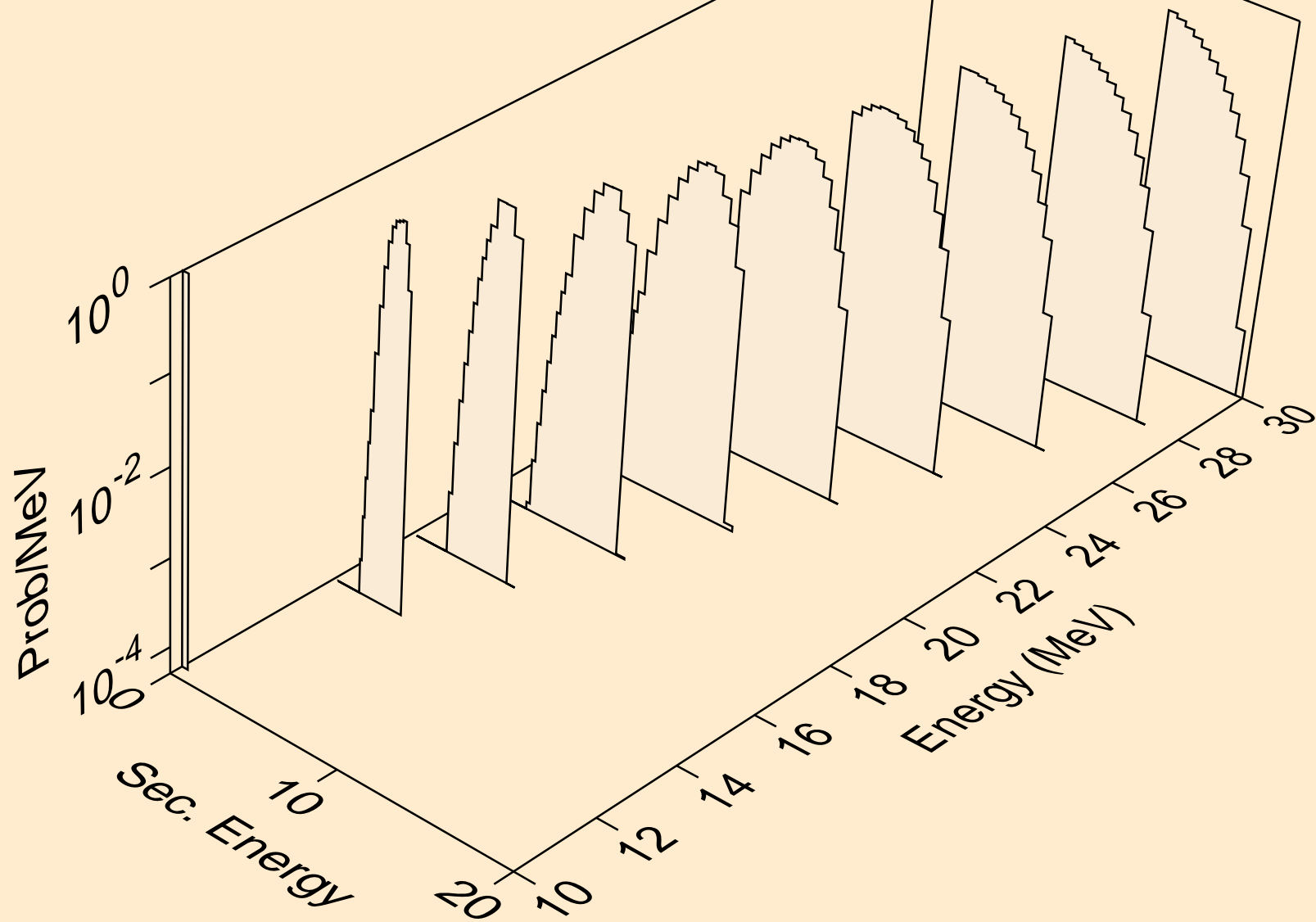
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protons from (a,2np)



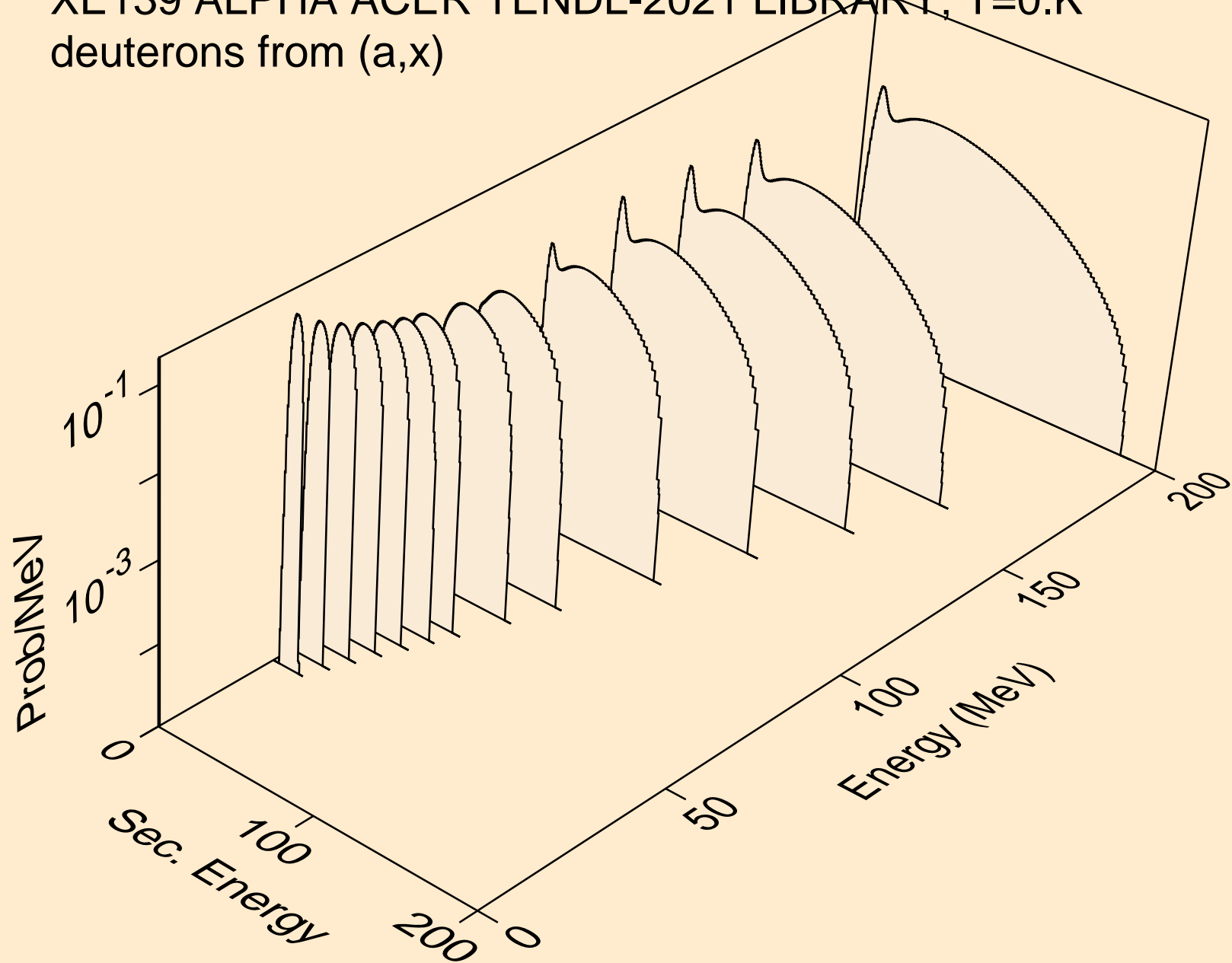
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protons from (a,3np)



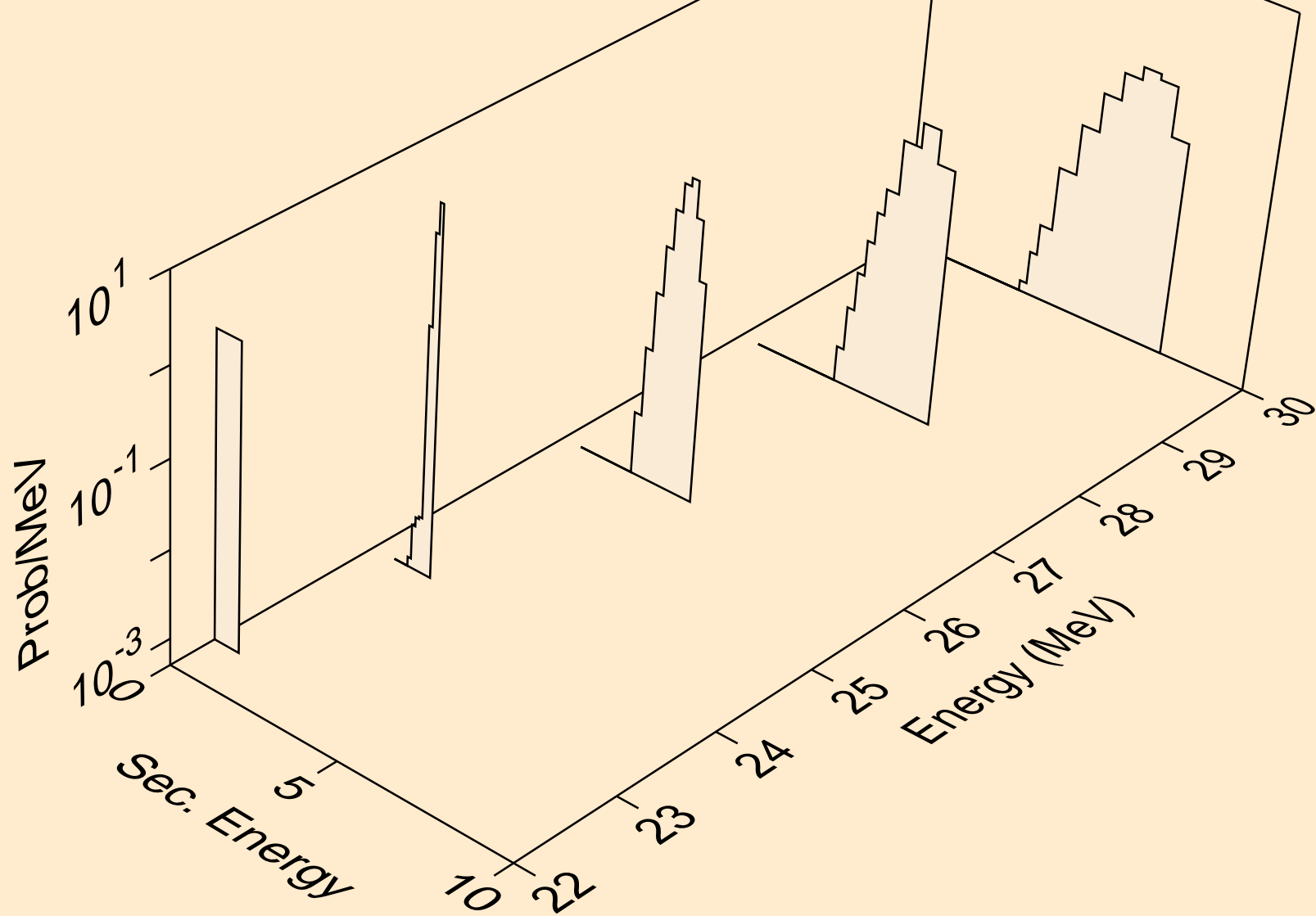
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protons from (a,p)



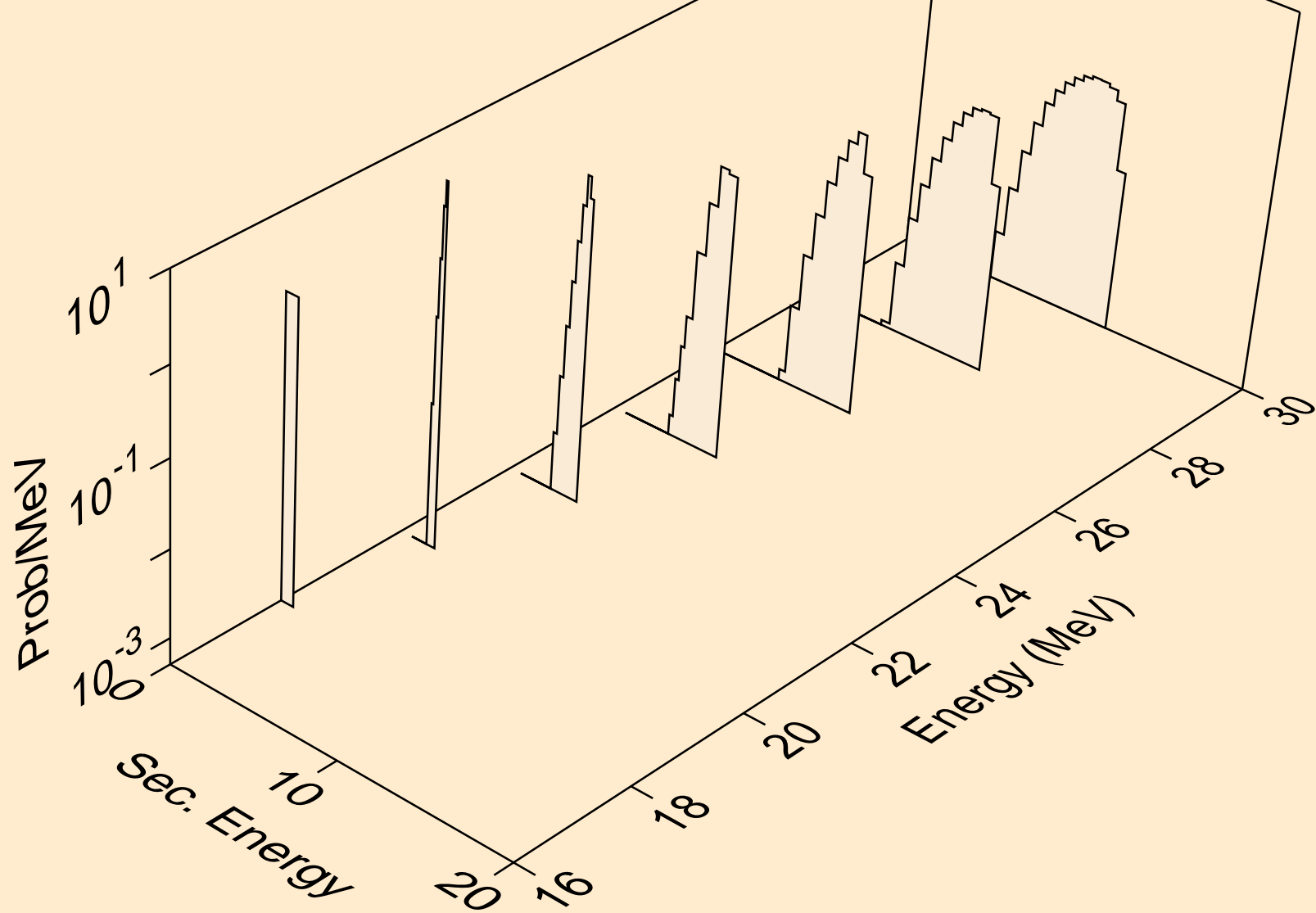
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deuterons from (a,x)



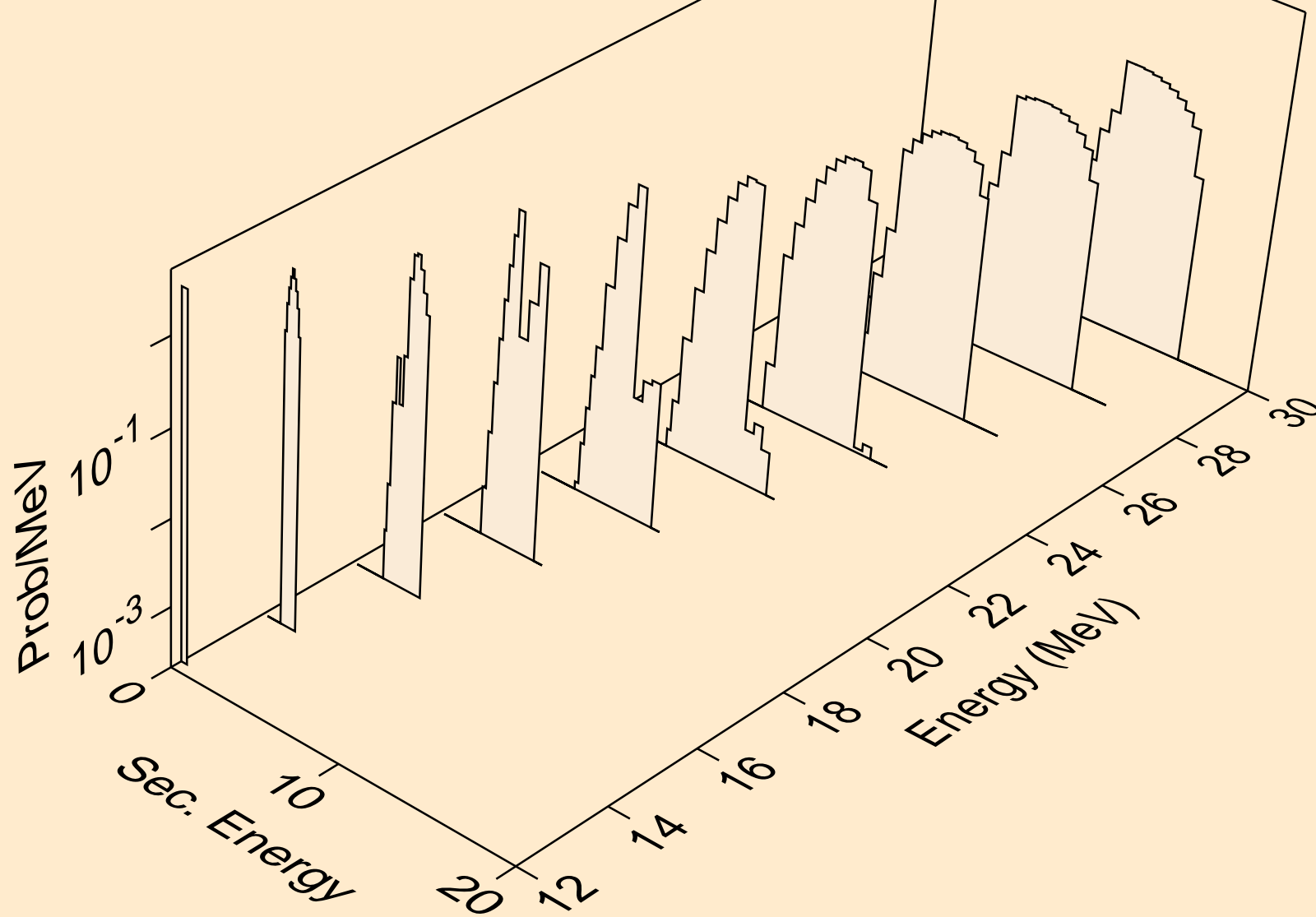
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deuterons from (a,2nd)



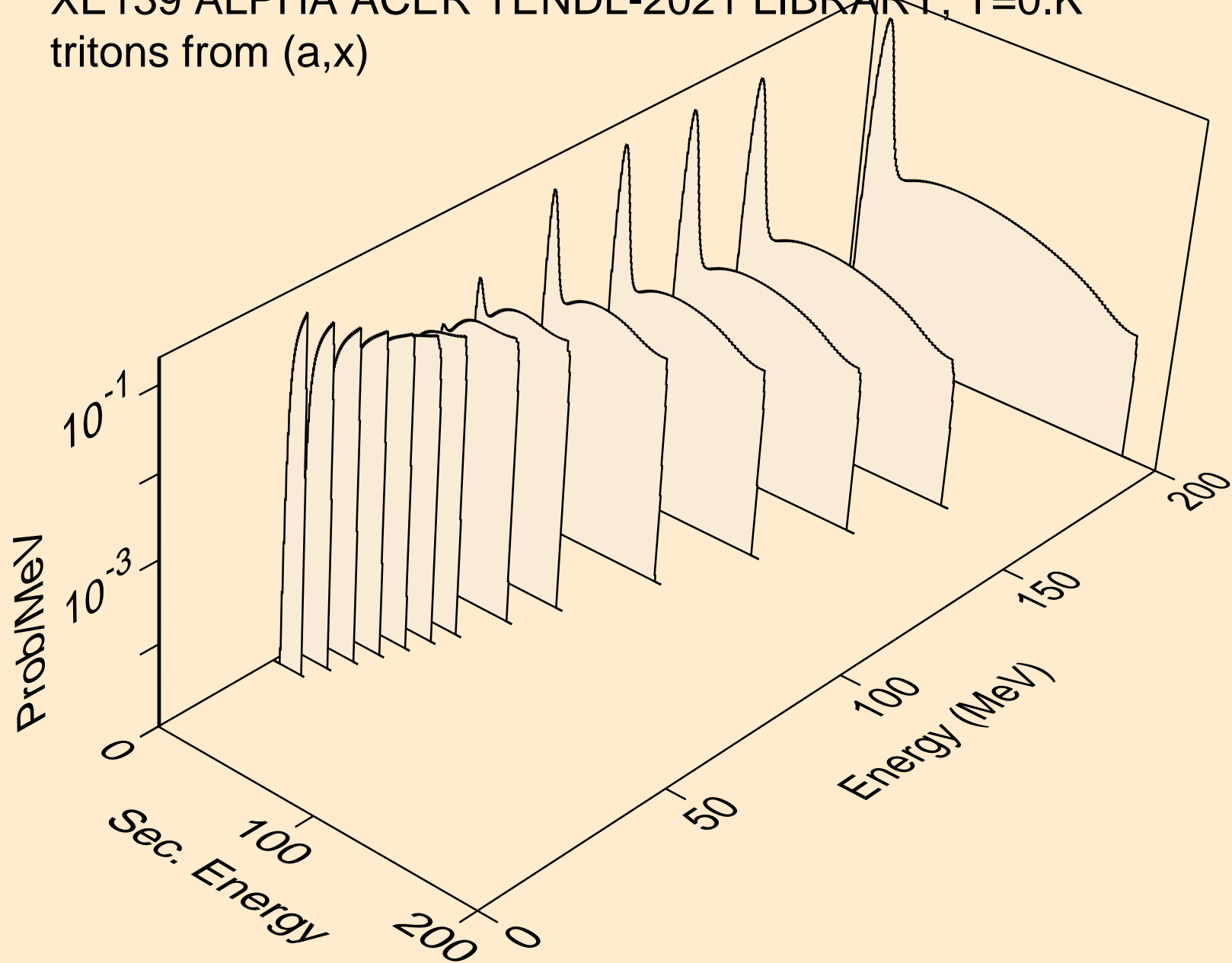
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,n*)d



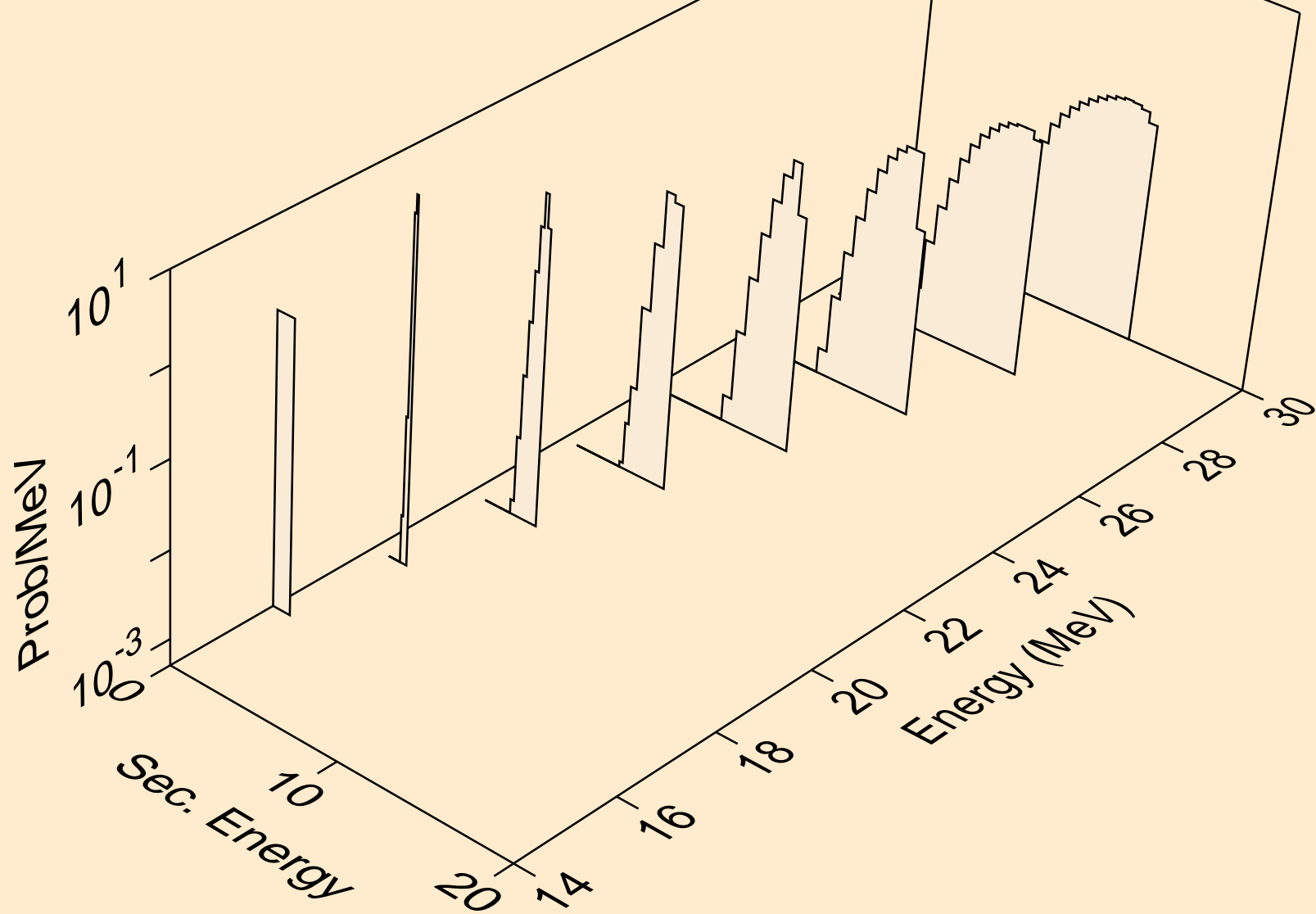
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)



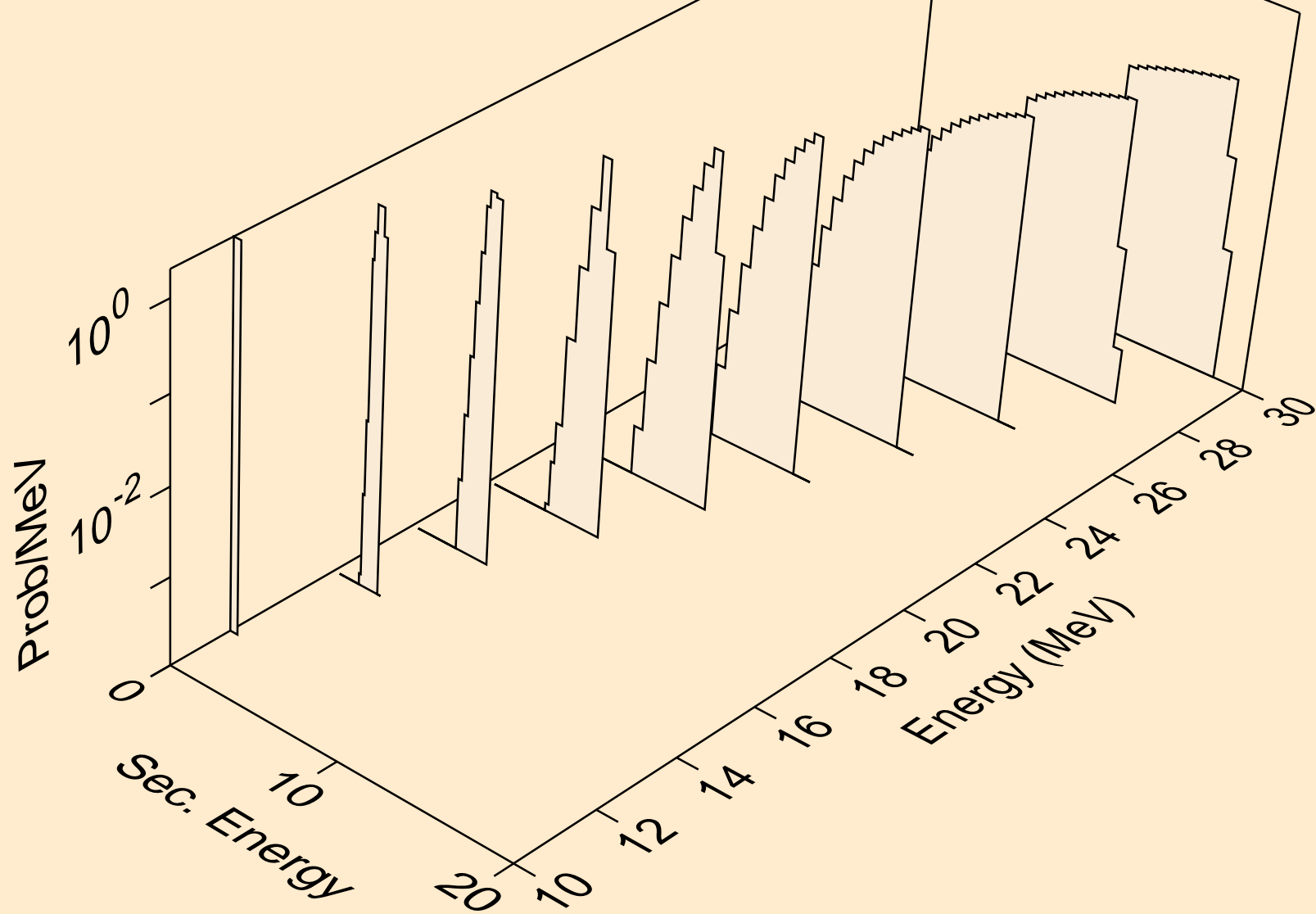
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)



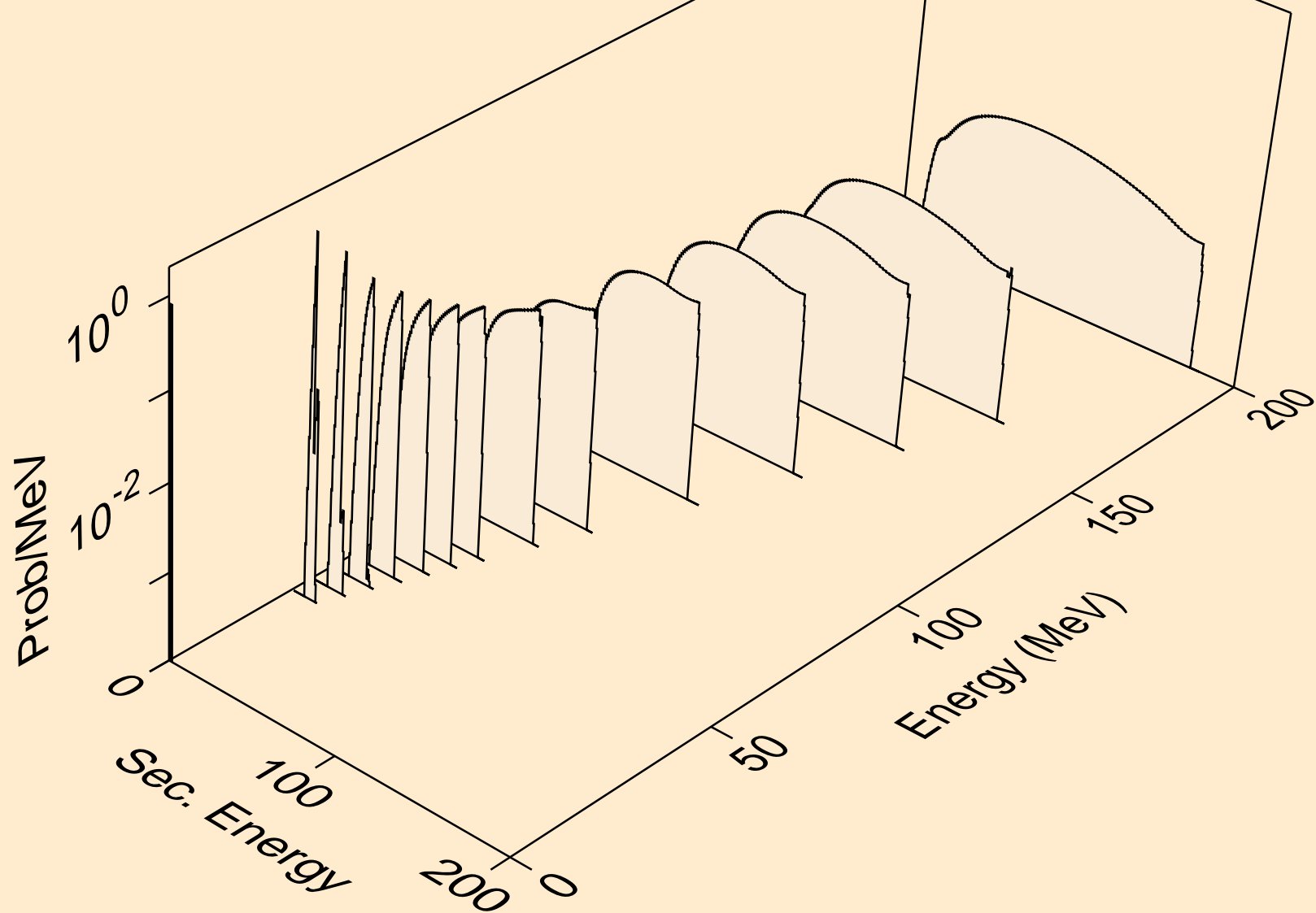
XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,n*)t



XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)



XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)



XE139 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,he3)

