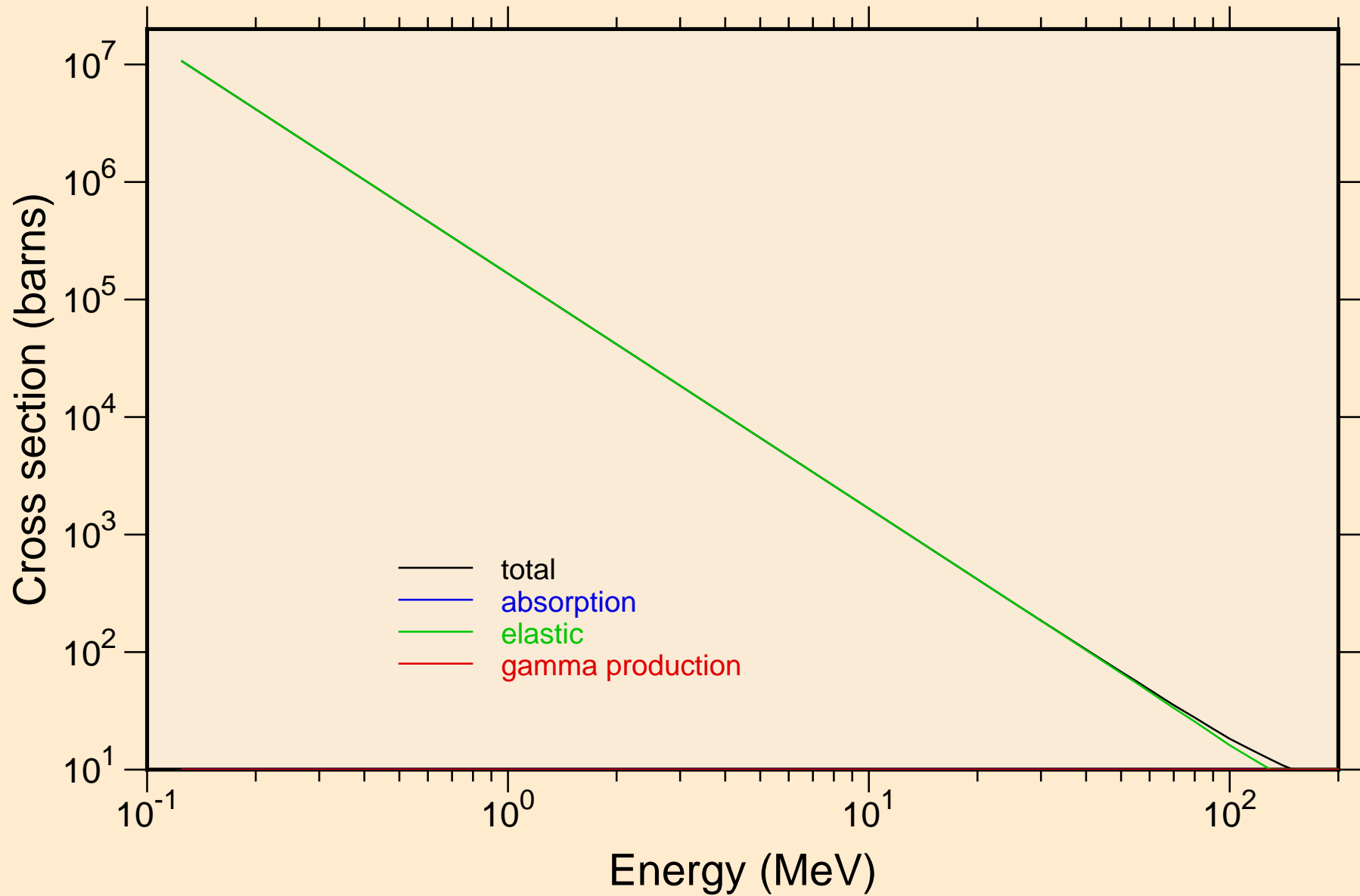
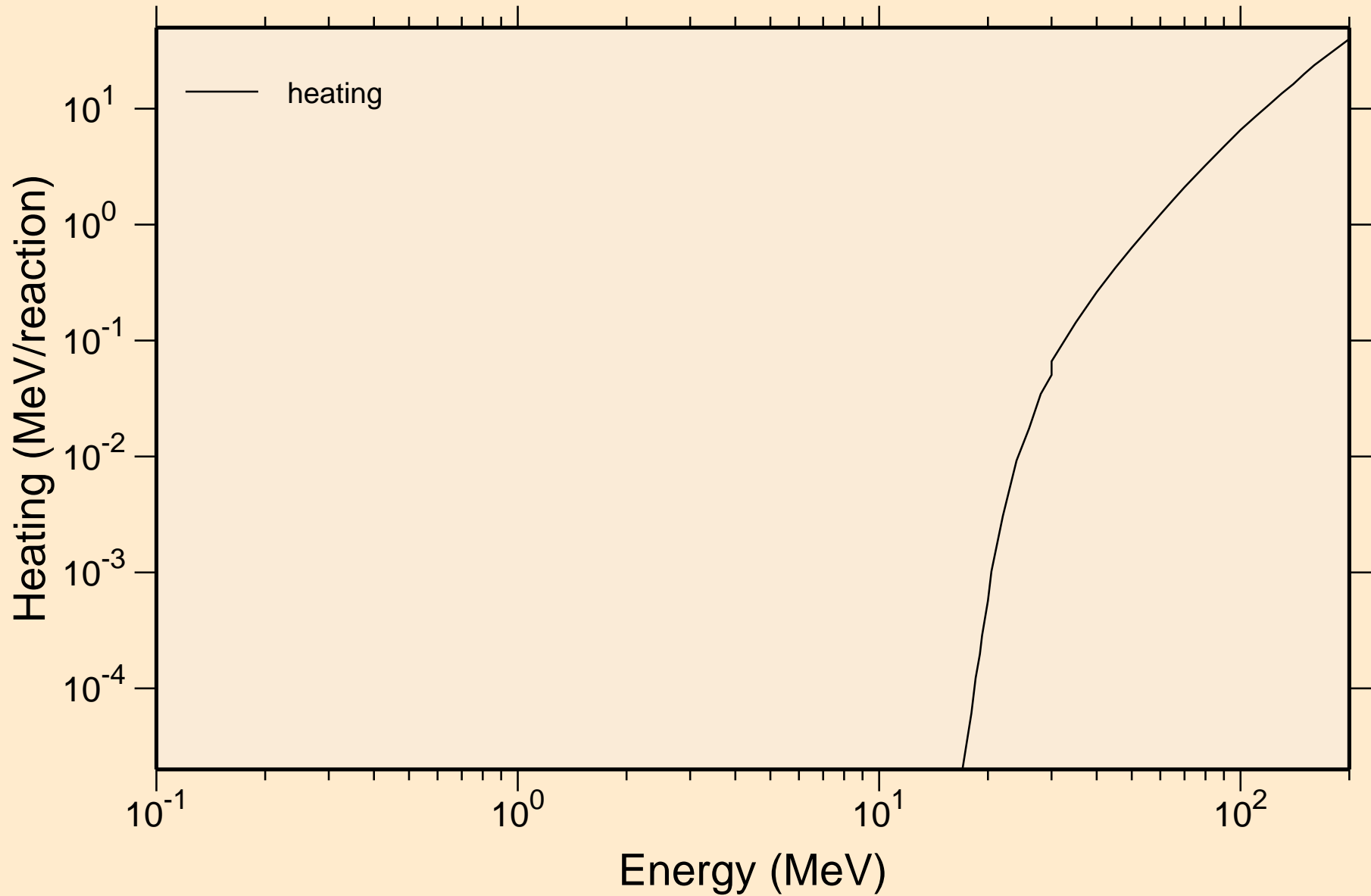


TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



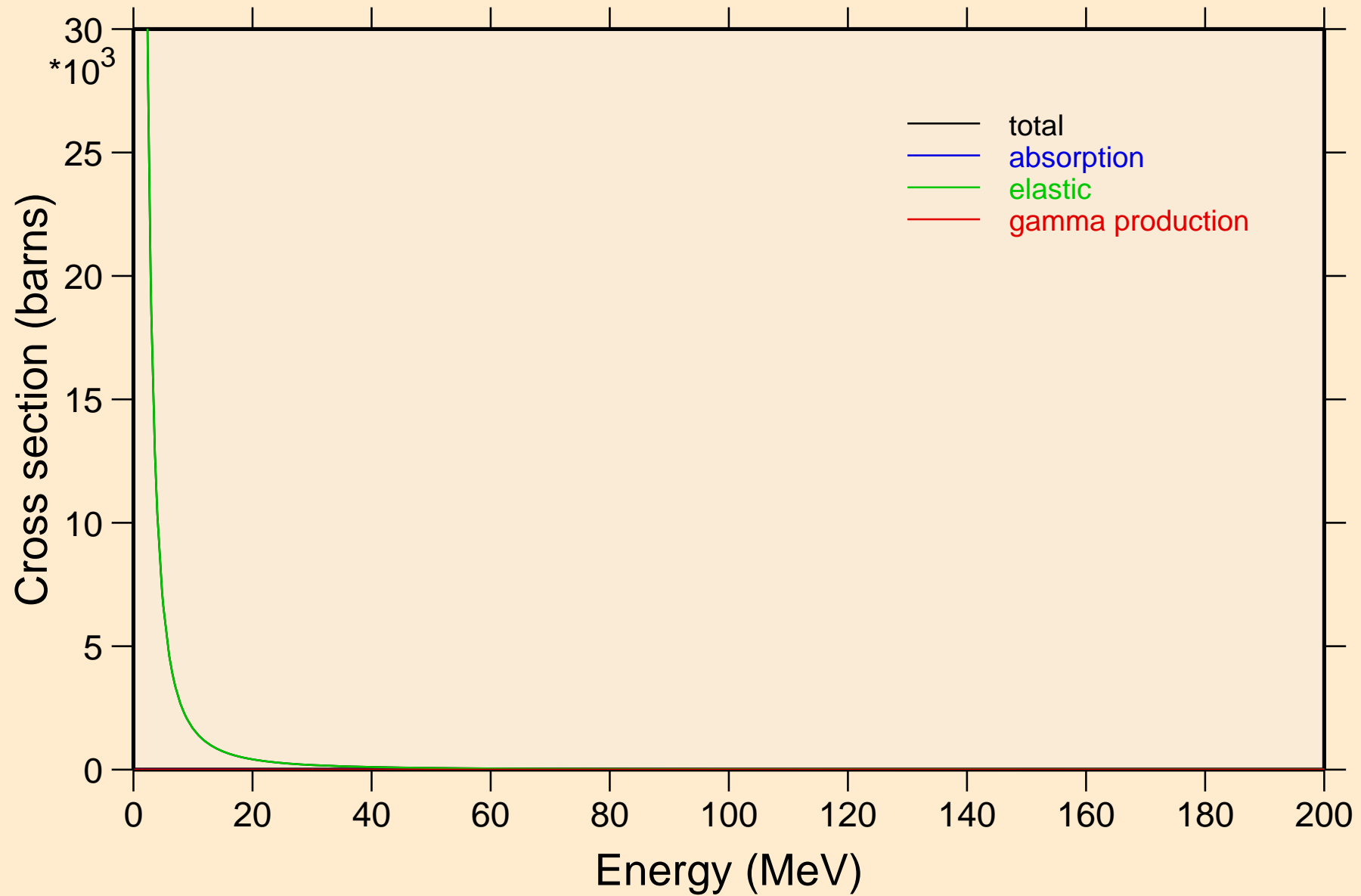
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Heating



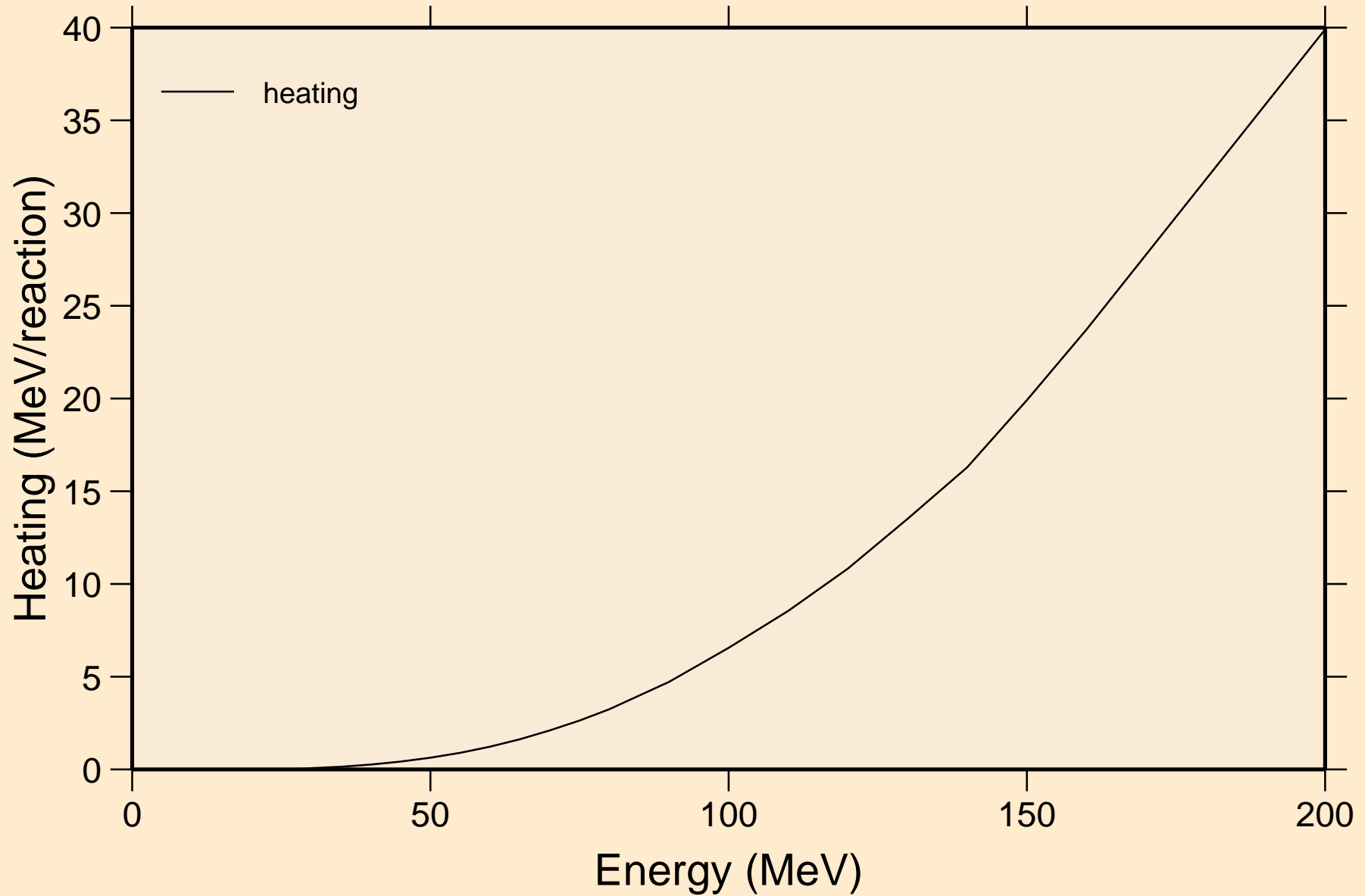
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Principal cross sections

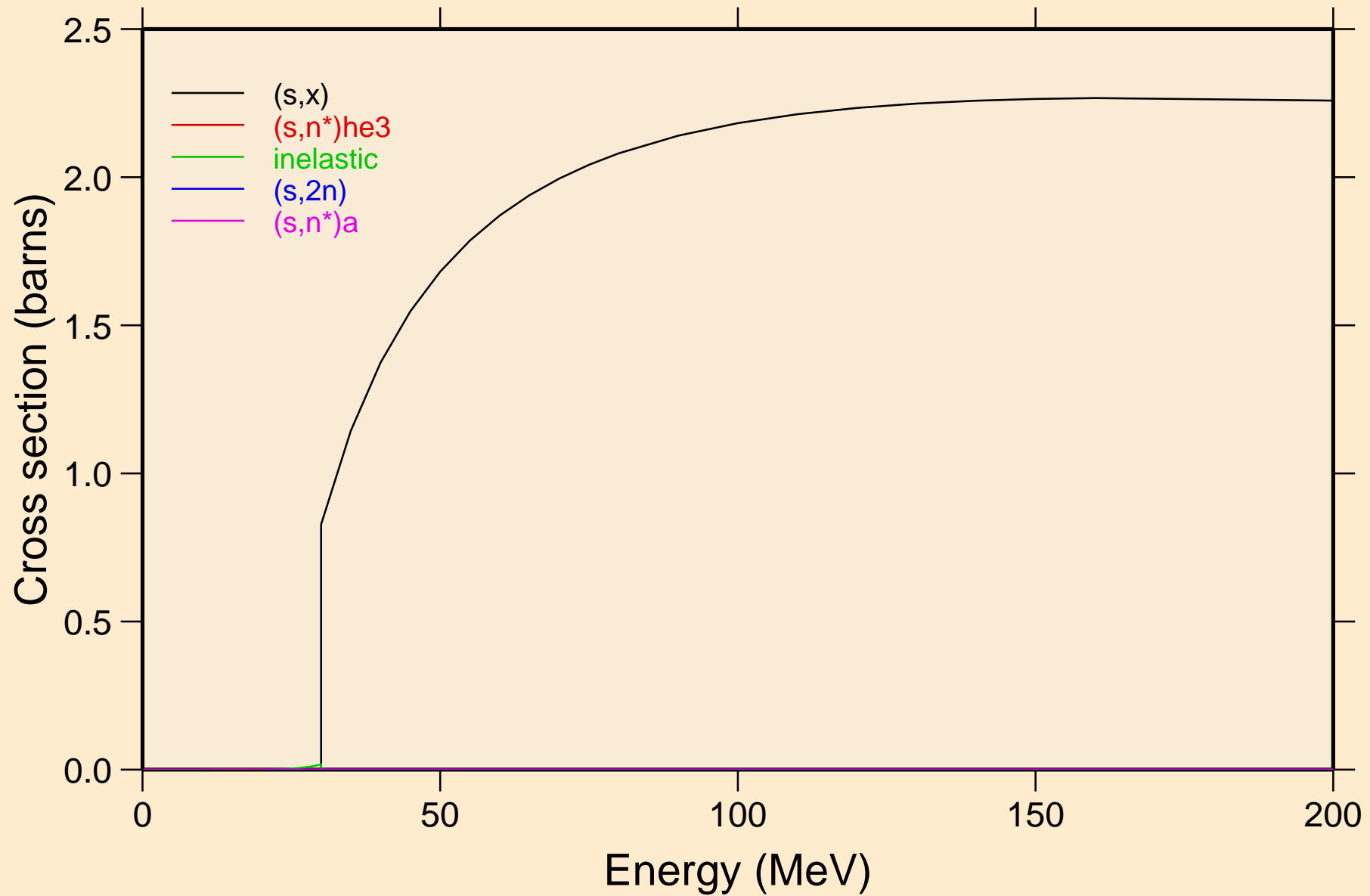


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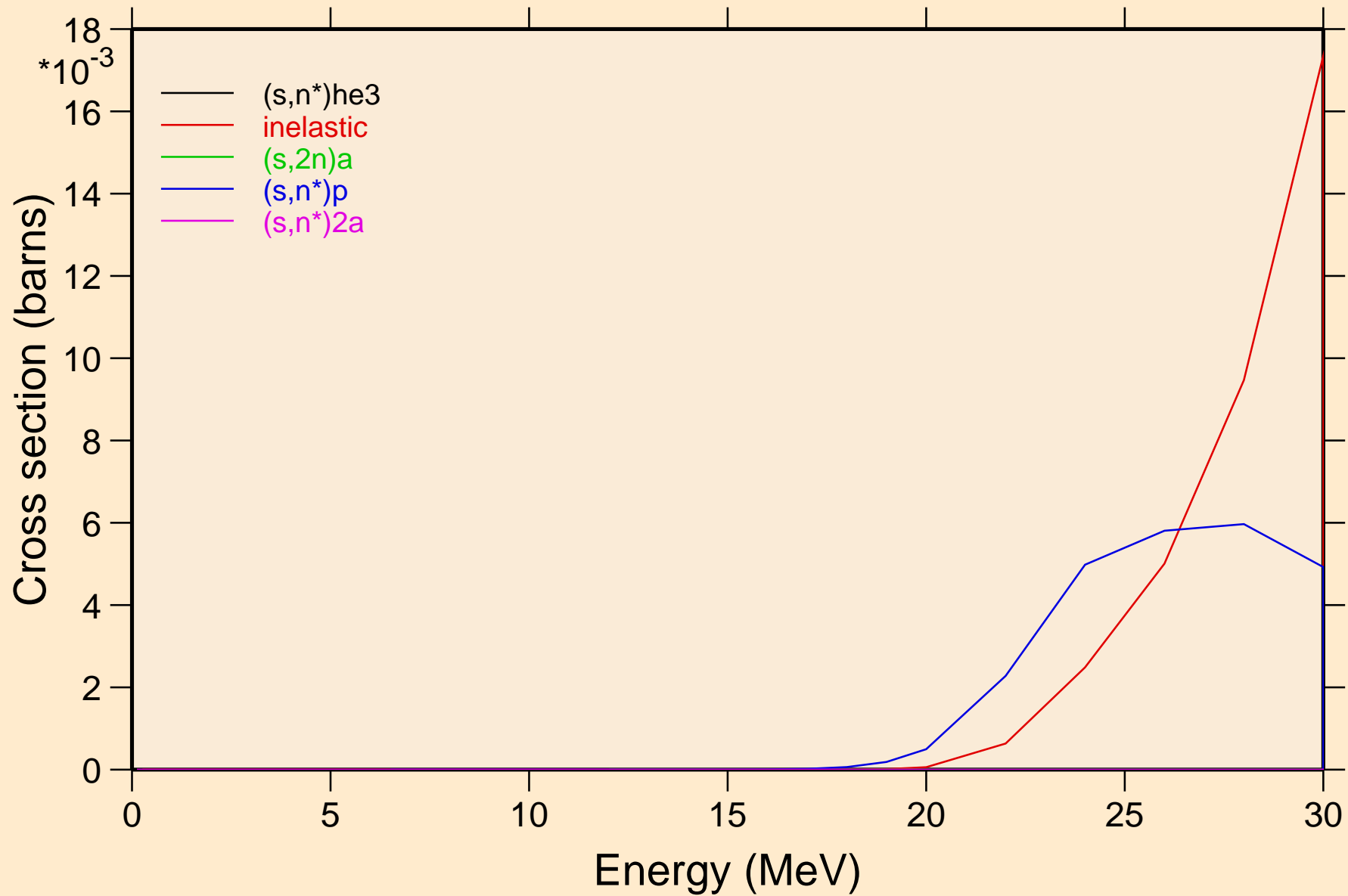
Heating



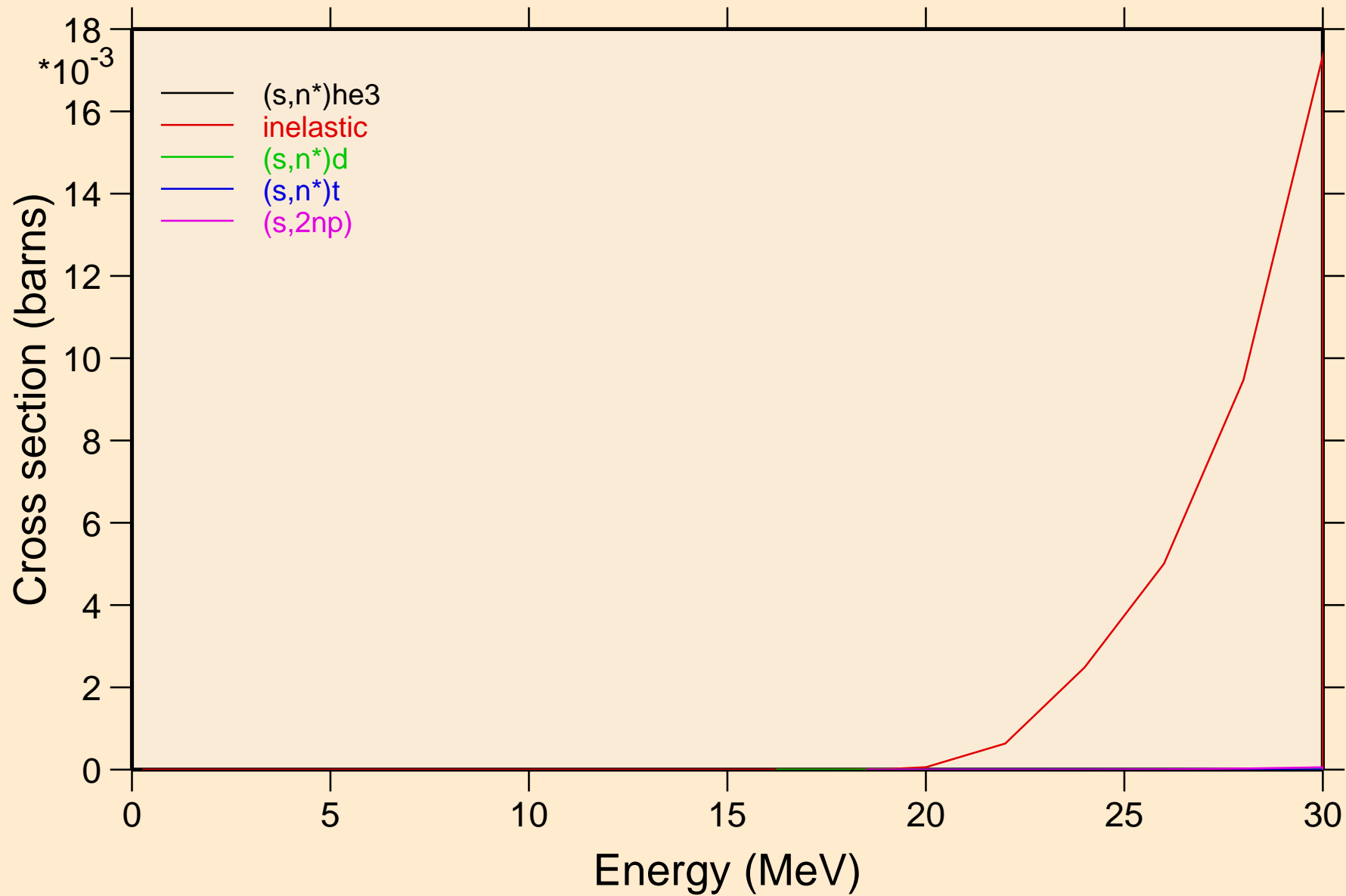
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



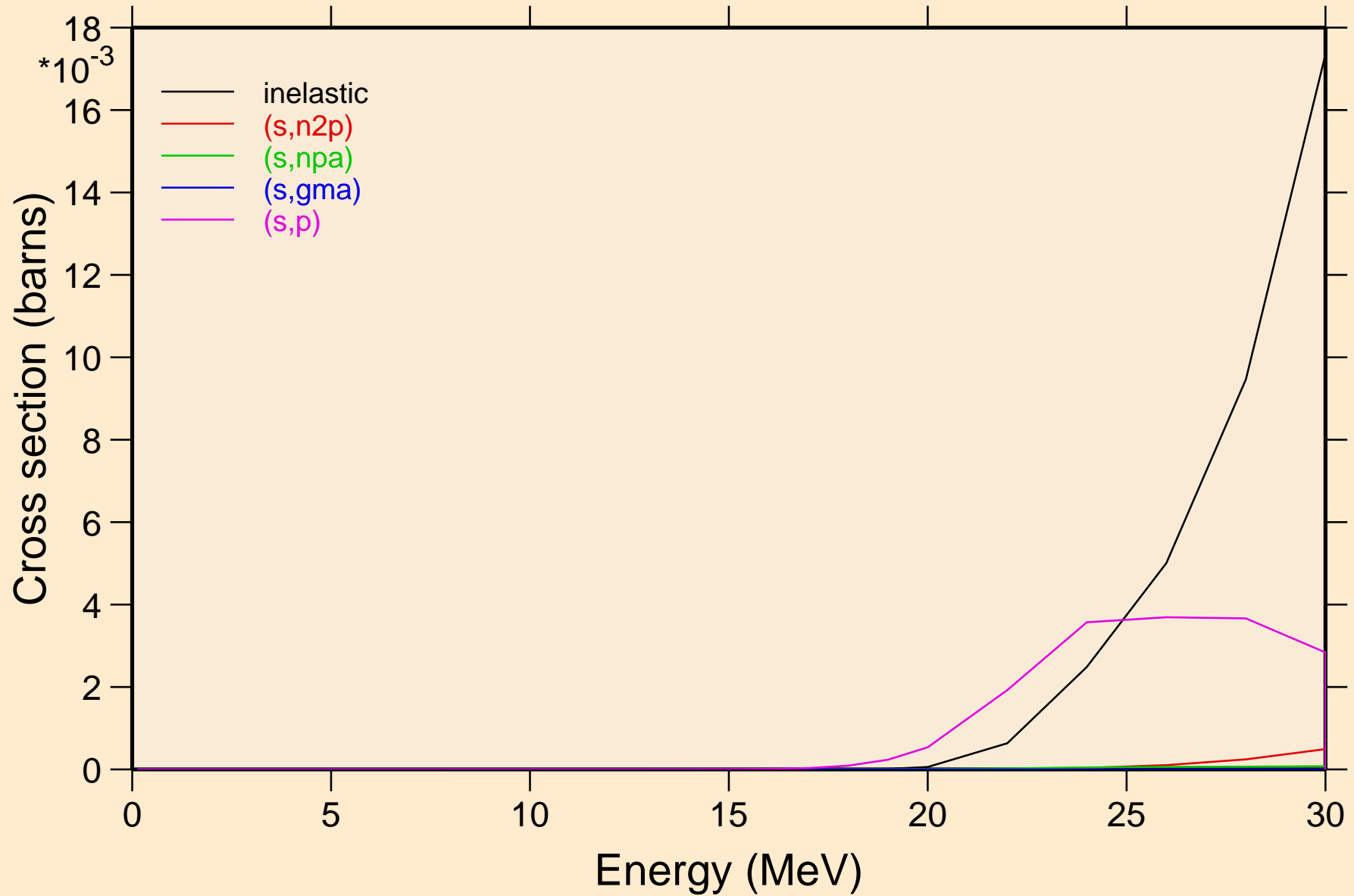
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Threshold reactions



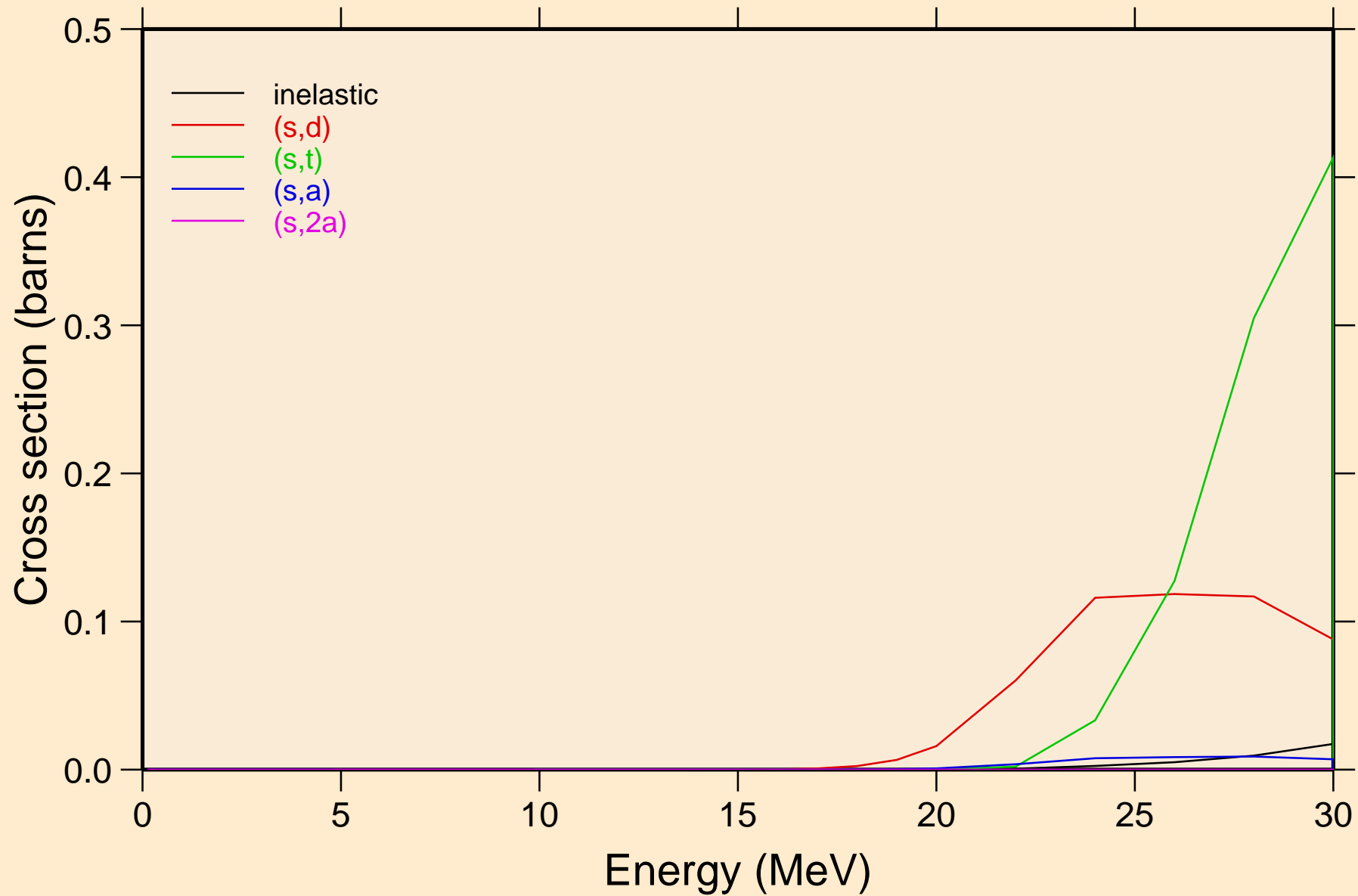
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Threshold reactions



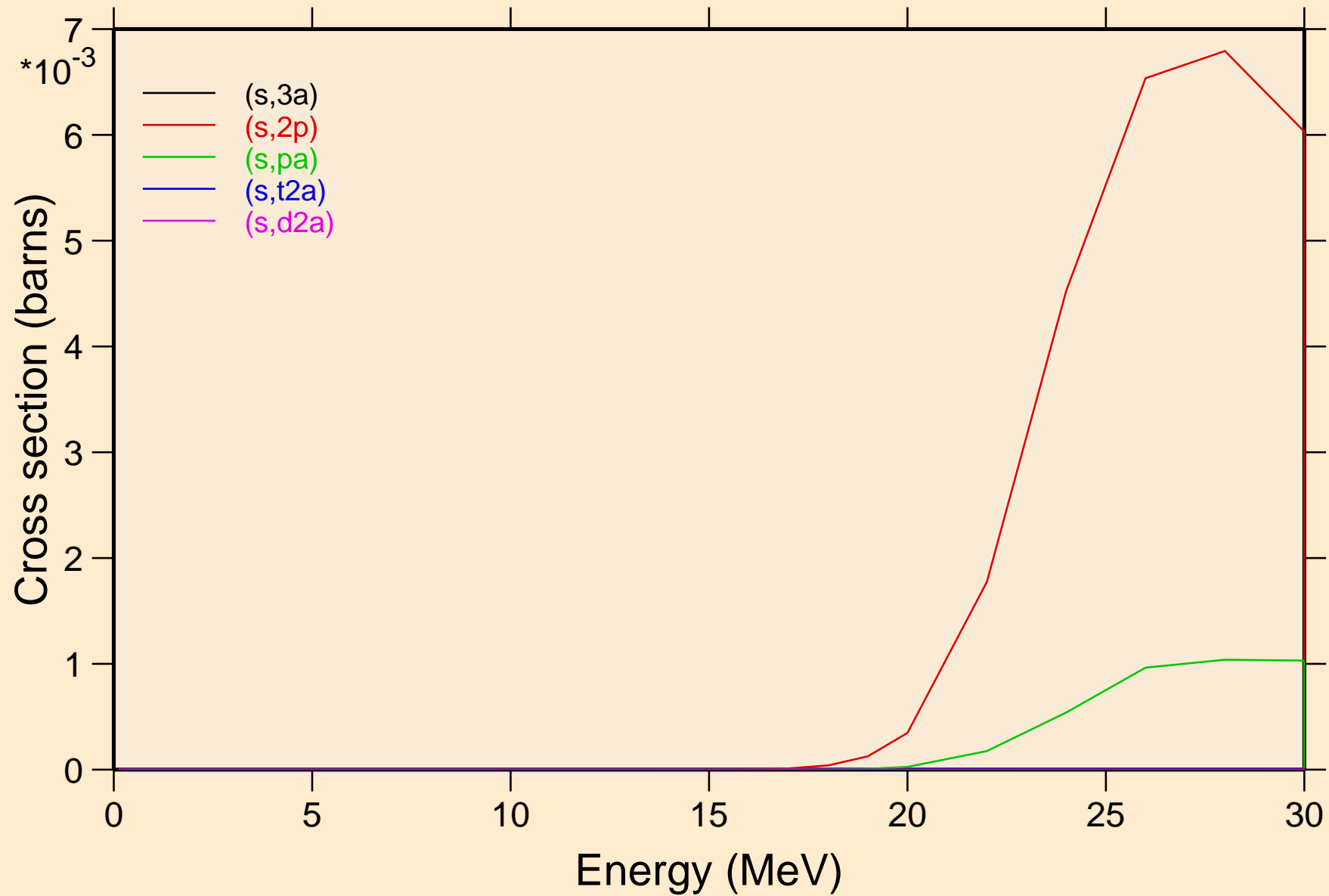
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Threshold reactions



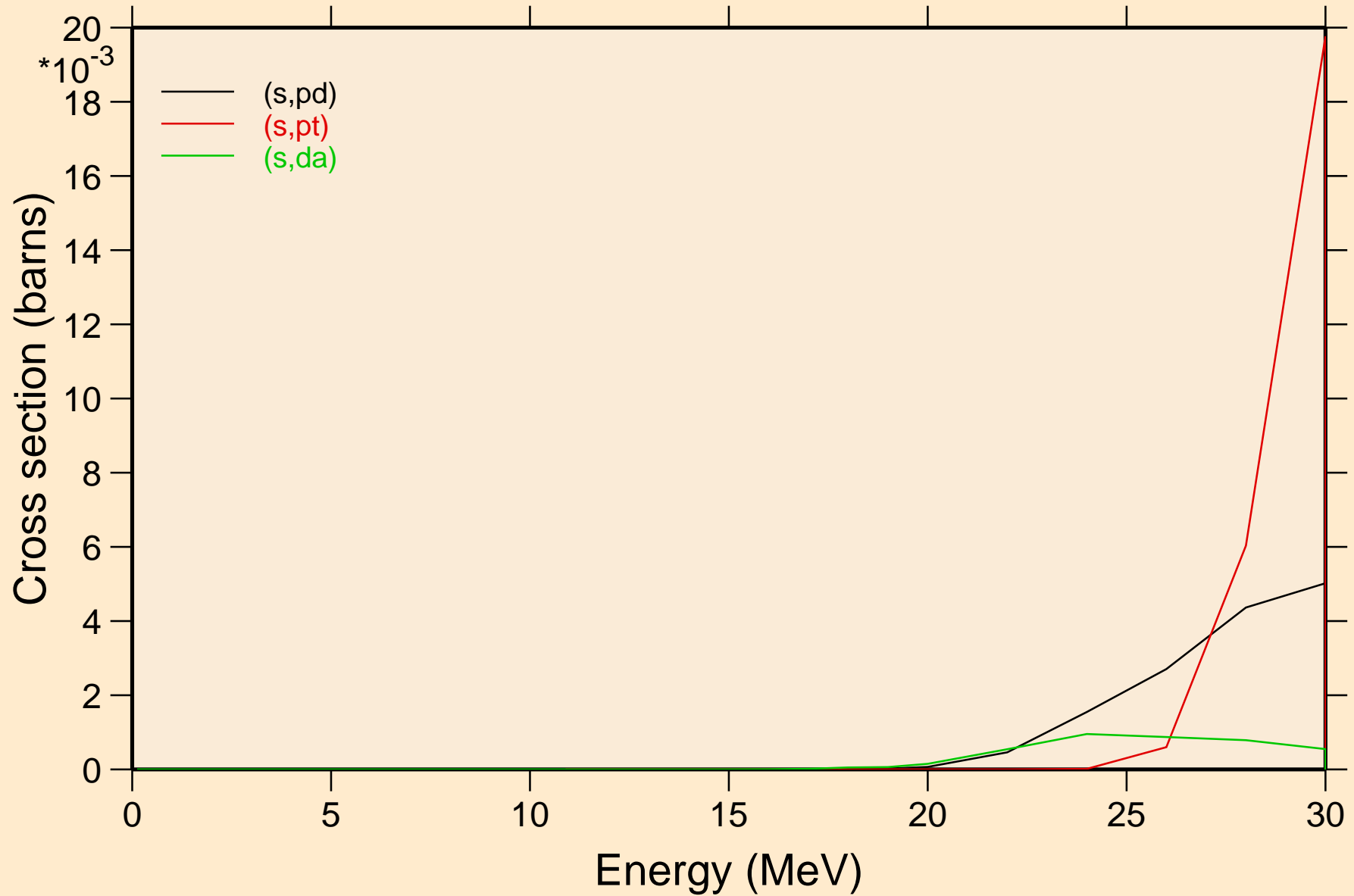
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Threshold reactions



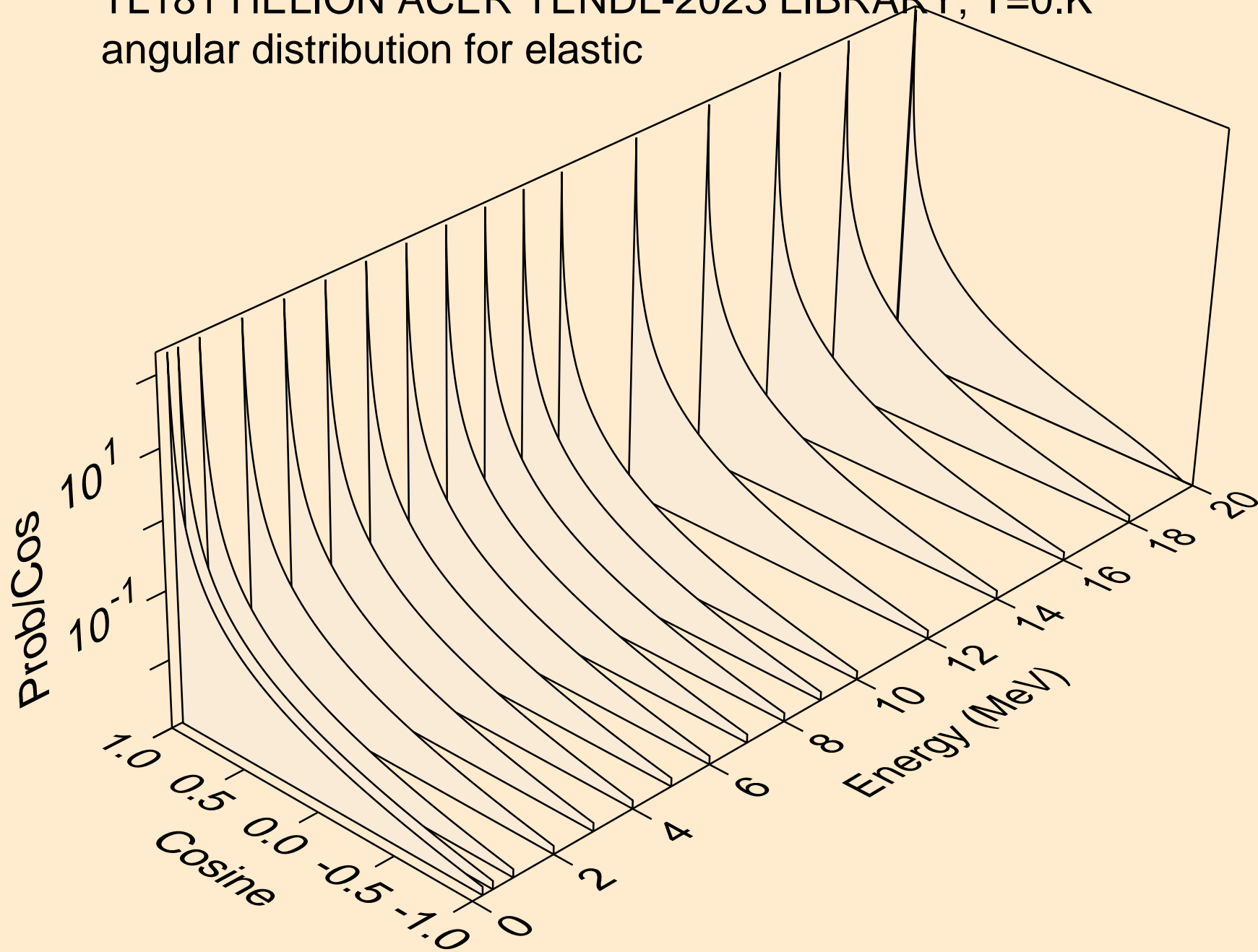
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Threshold reactions



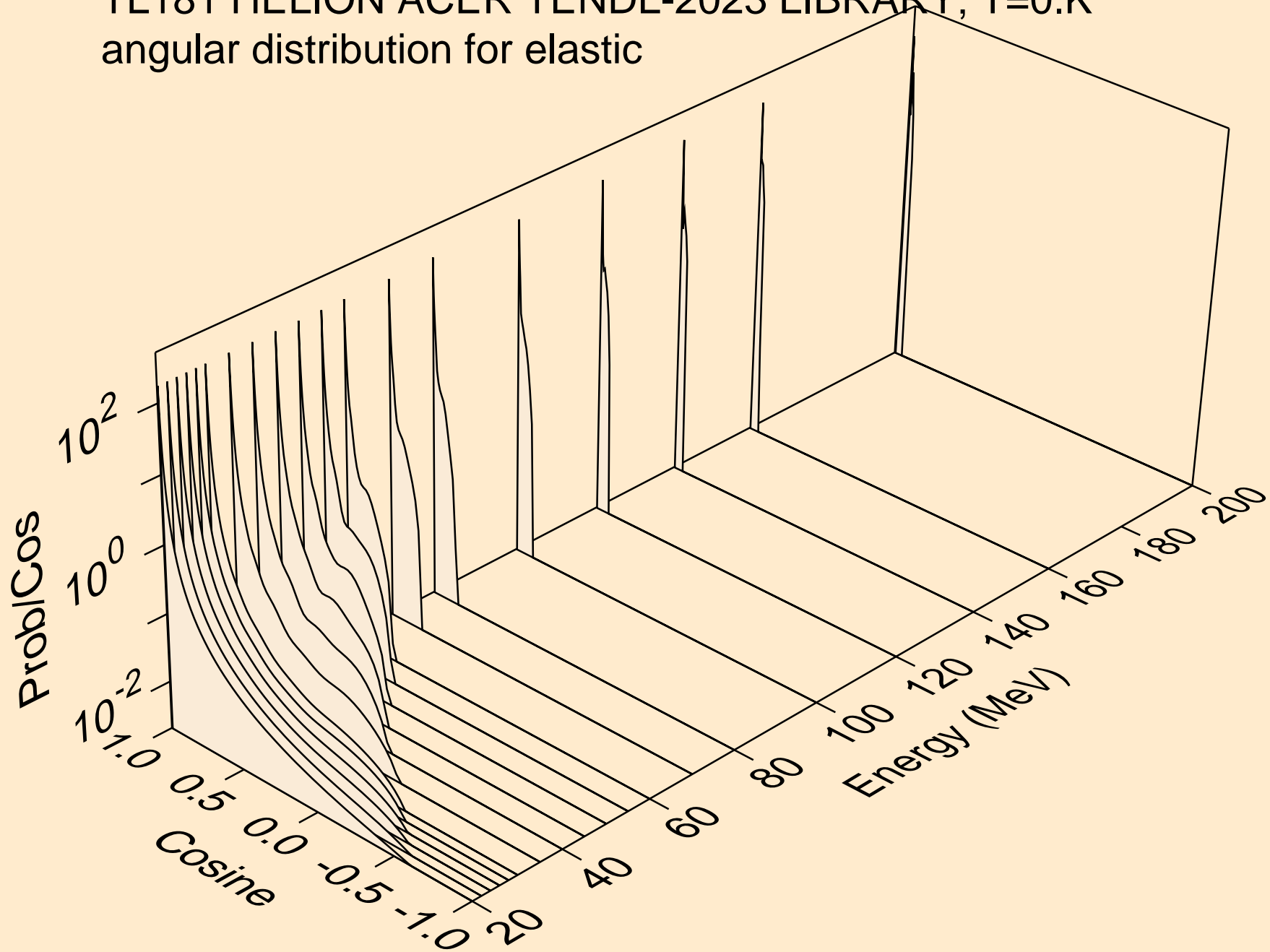
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Threshold reactions



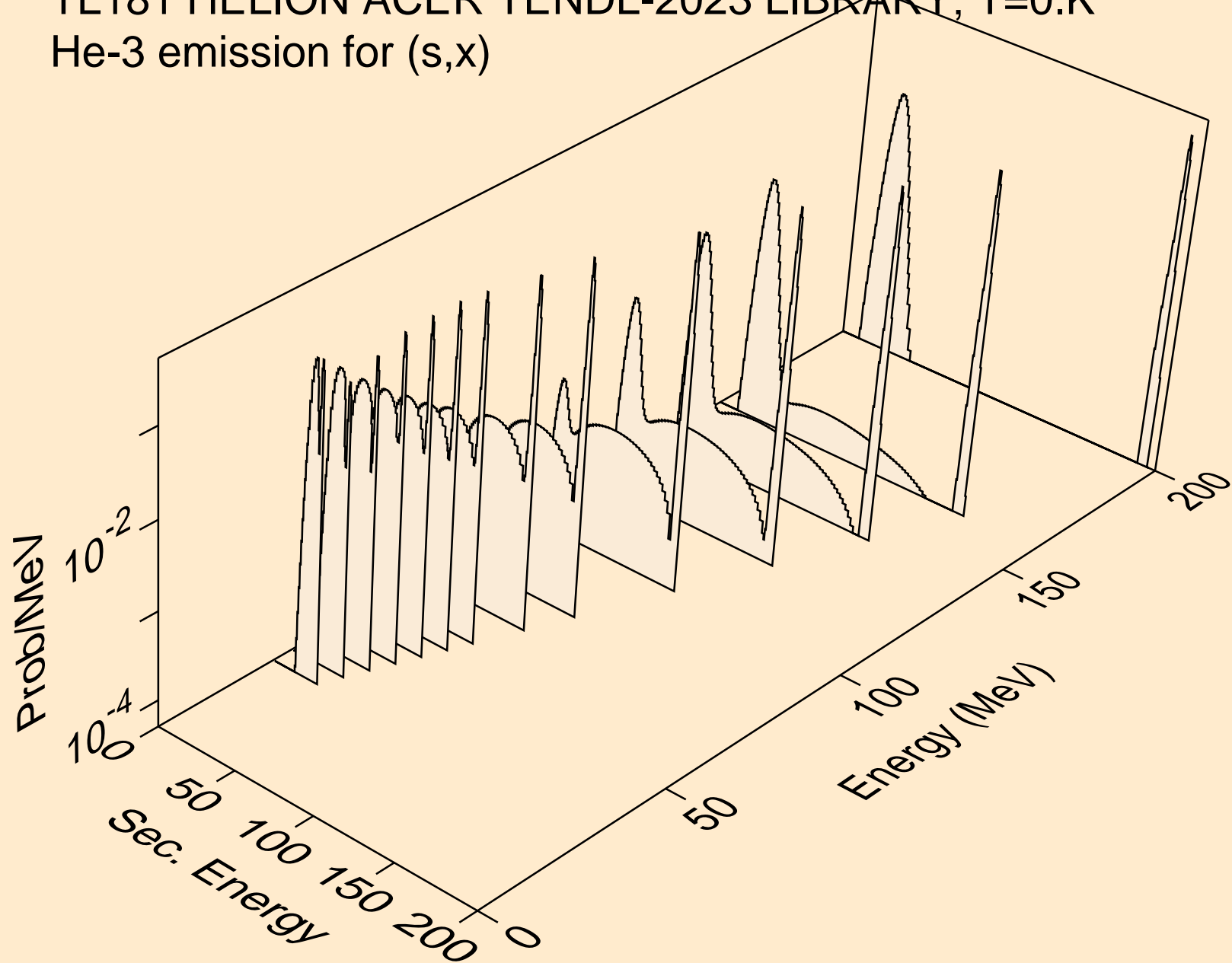
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



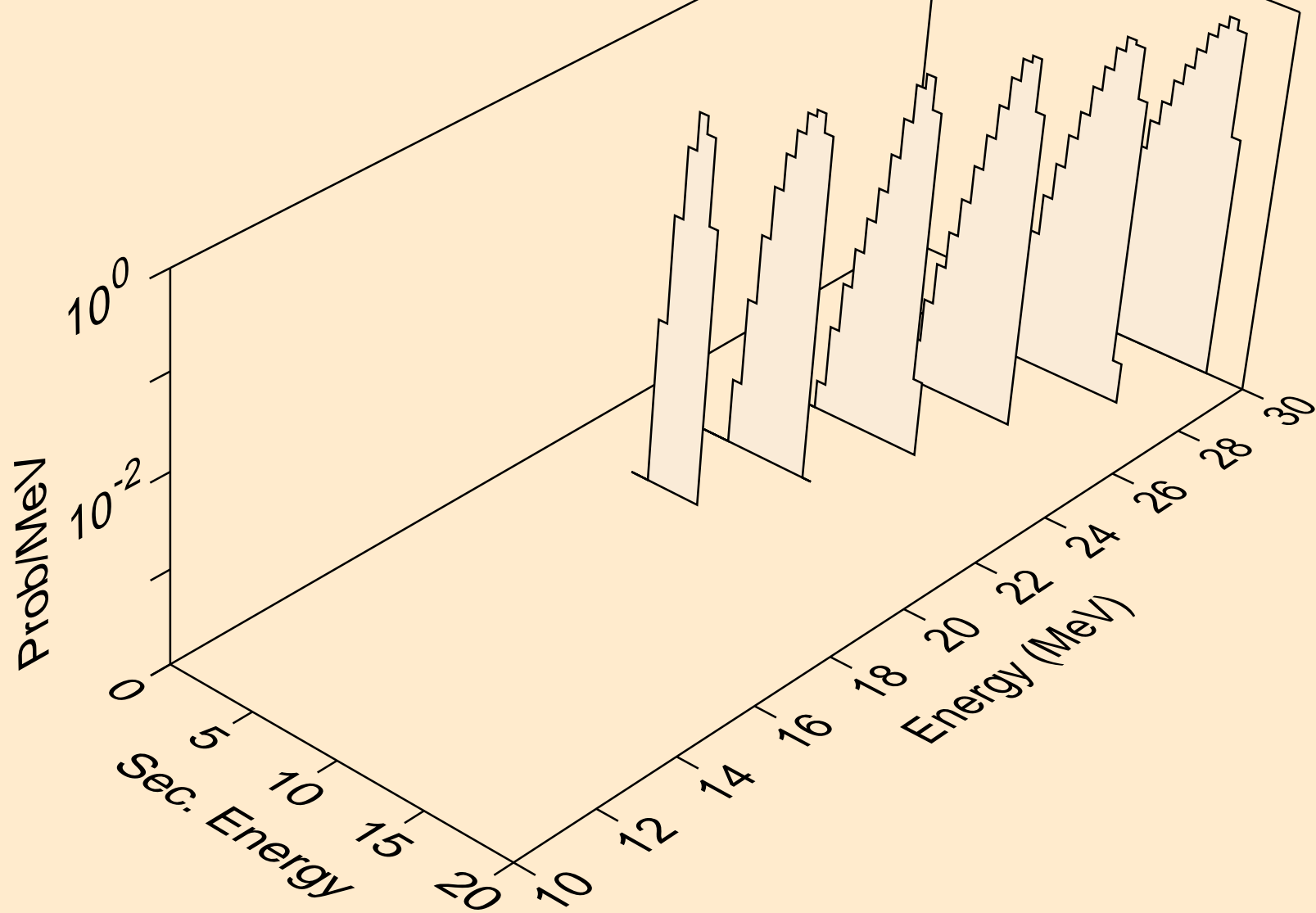
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angular distribution for elastic



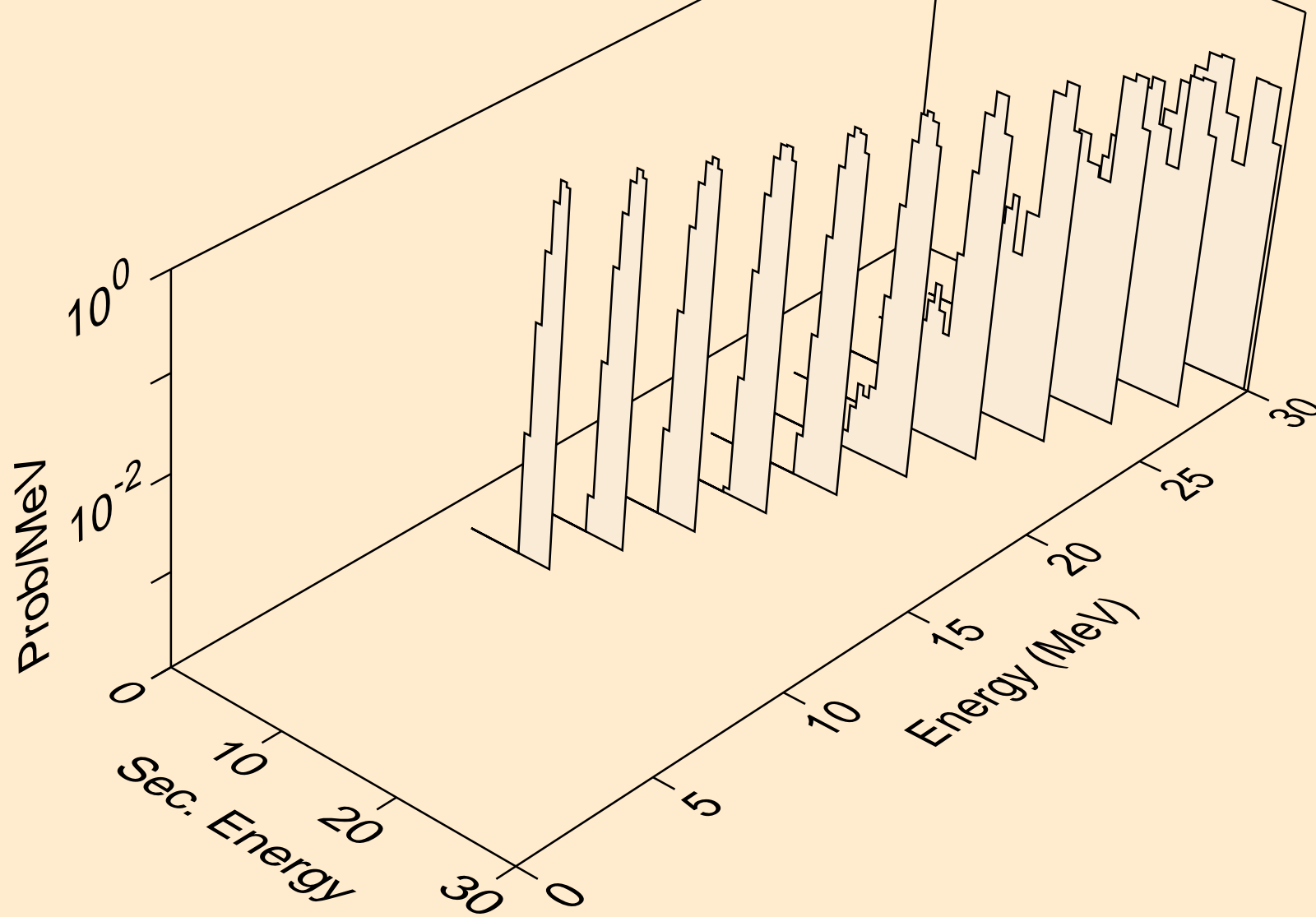
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,x)



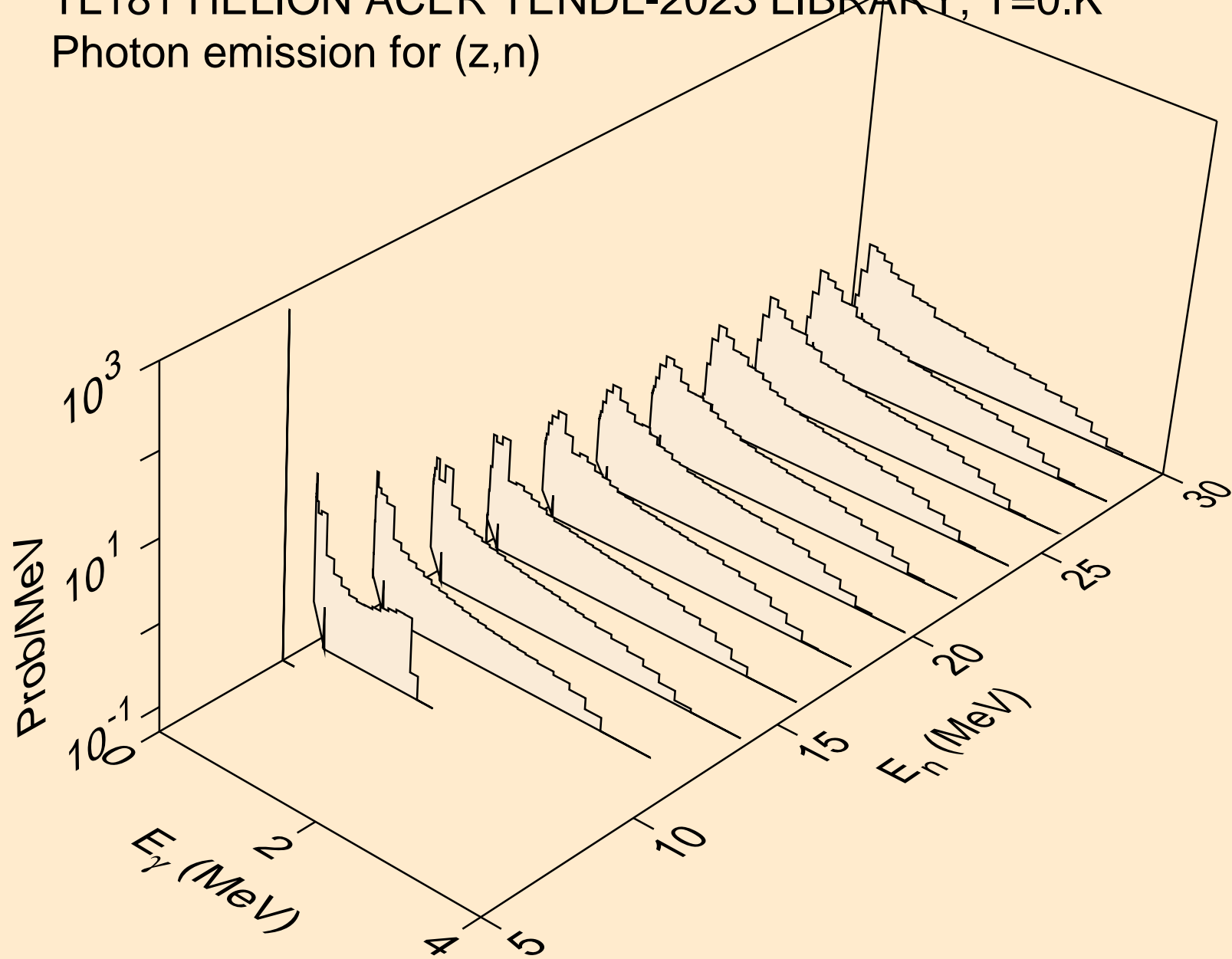
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for (s,n*)he3



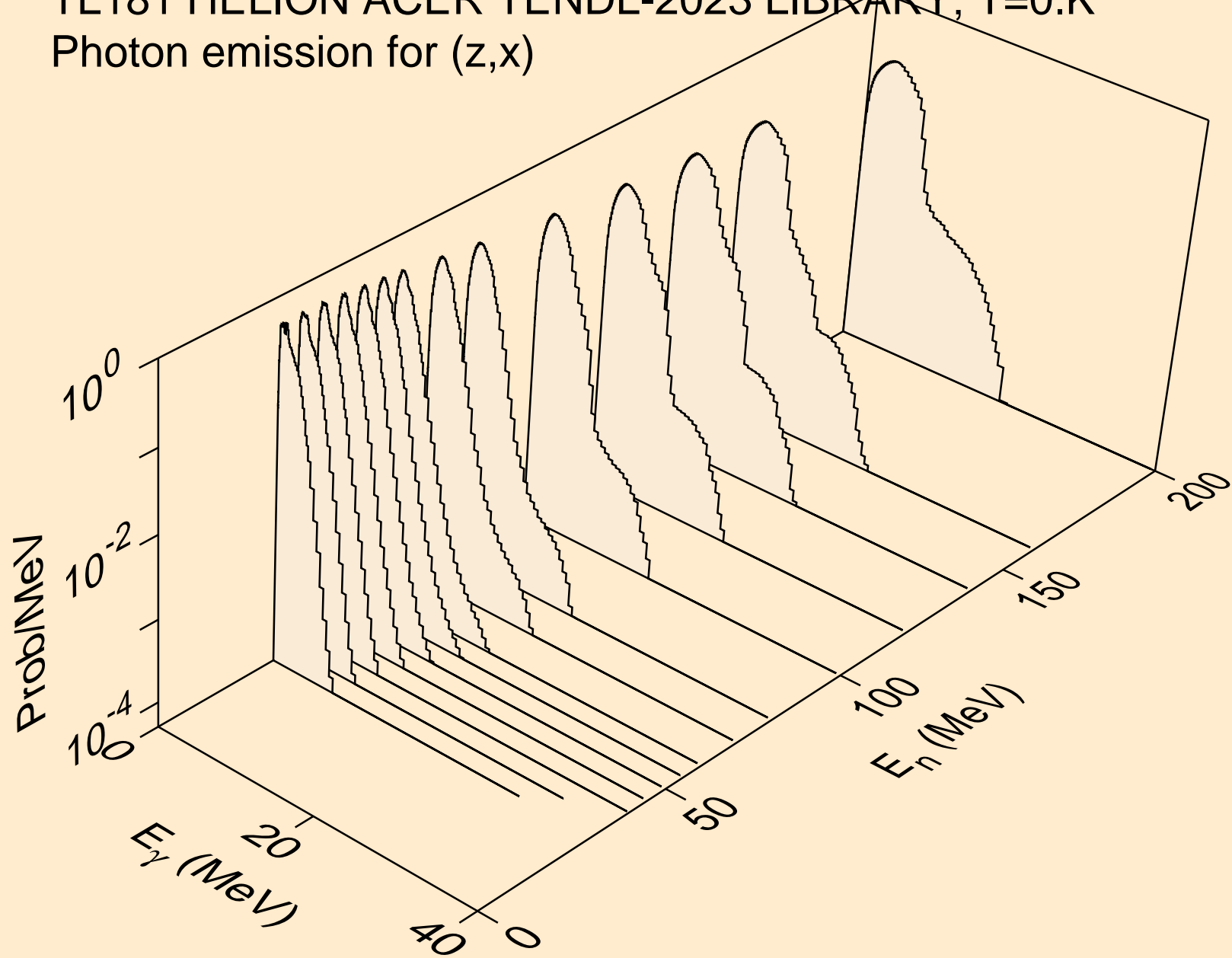
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
He-3 emission for inelastic



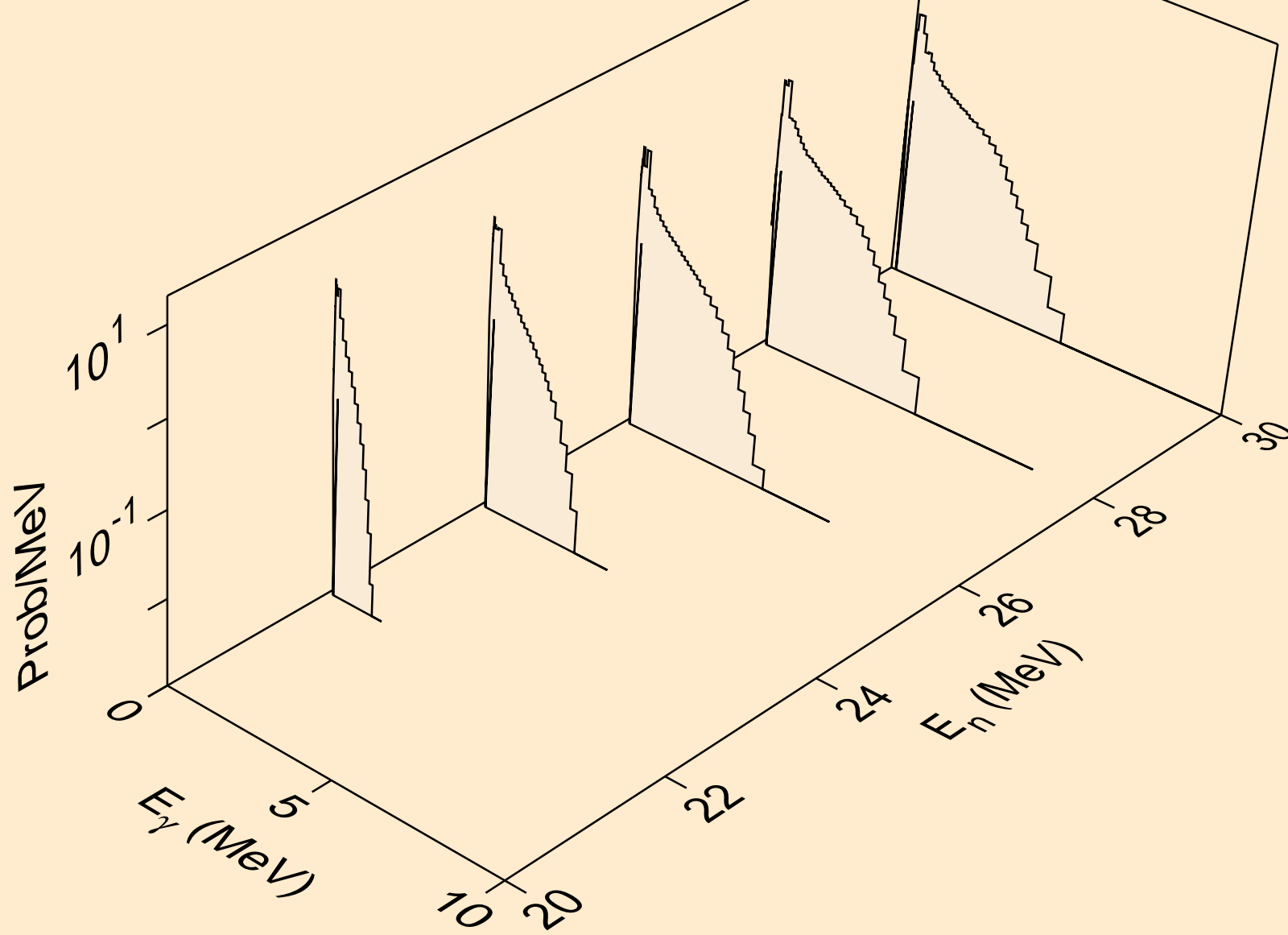
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,n)



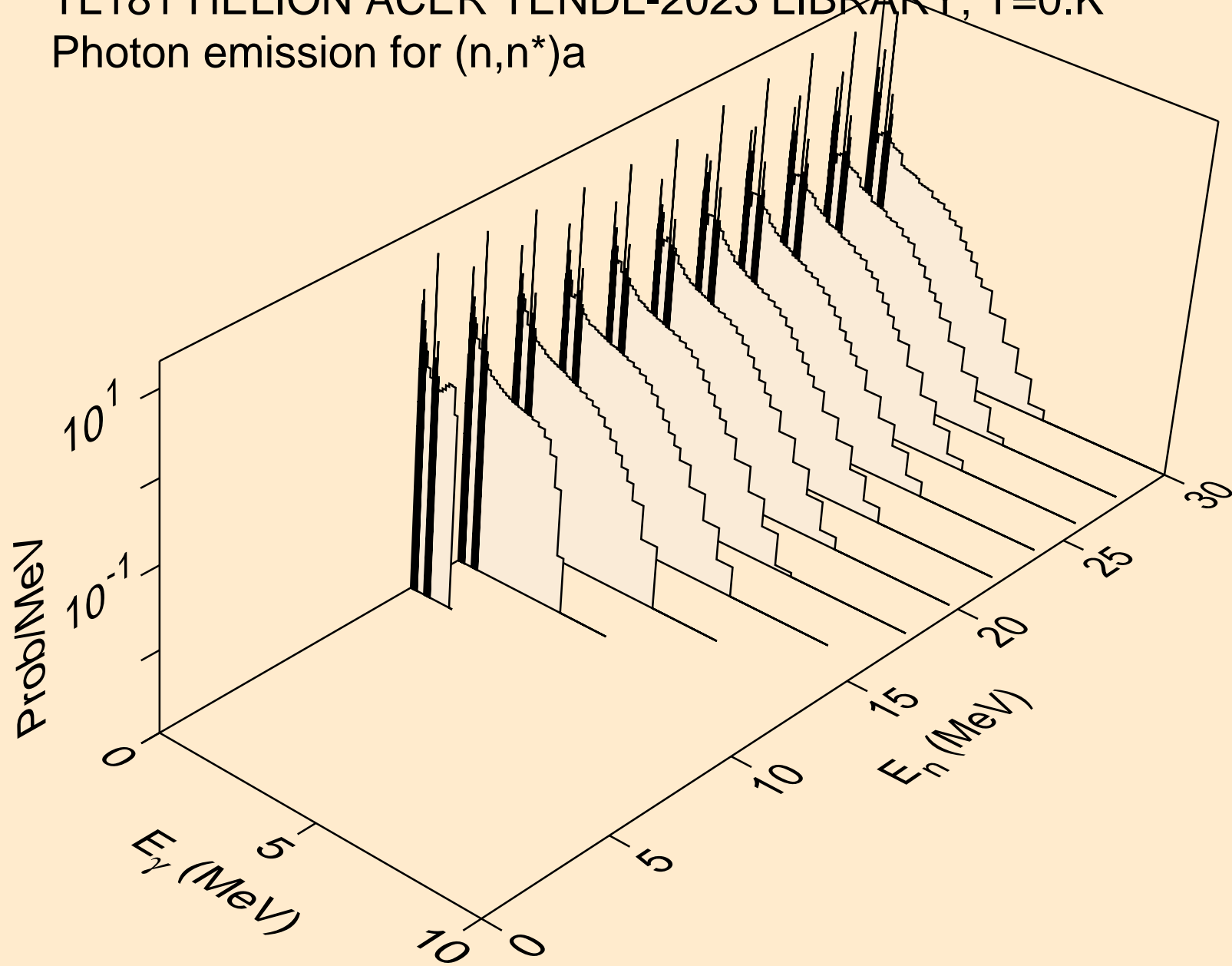
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Photon emission for (z,x)



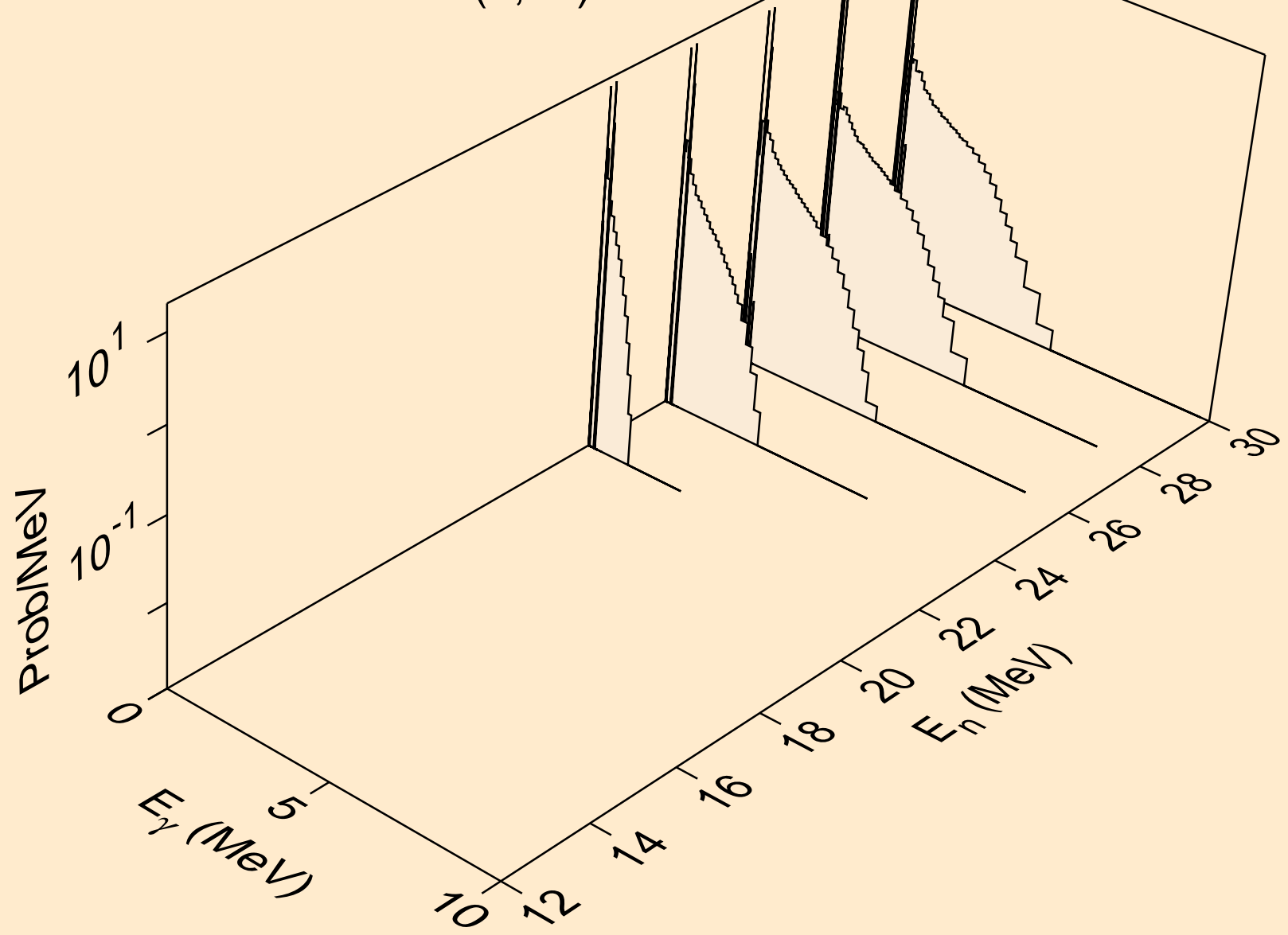
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



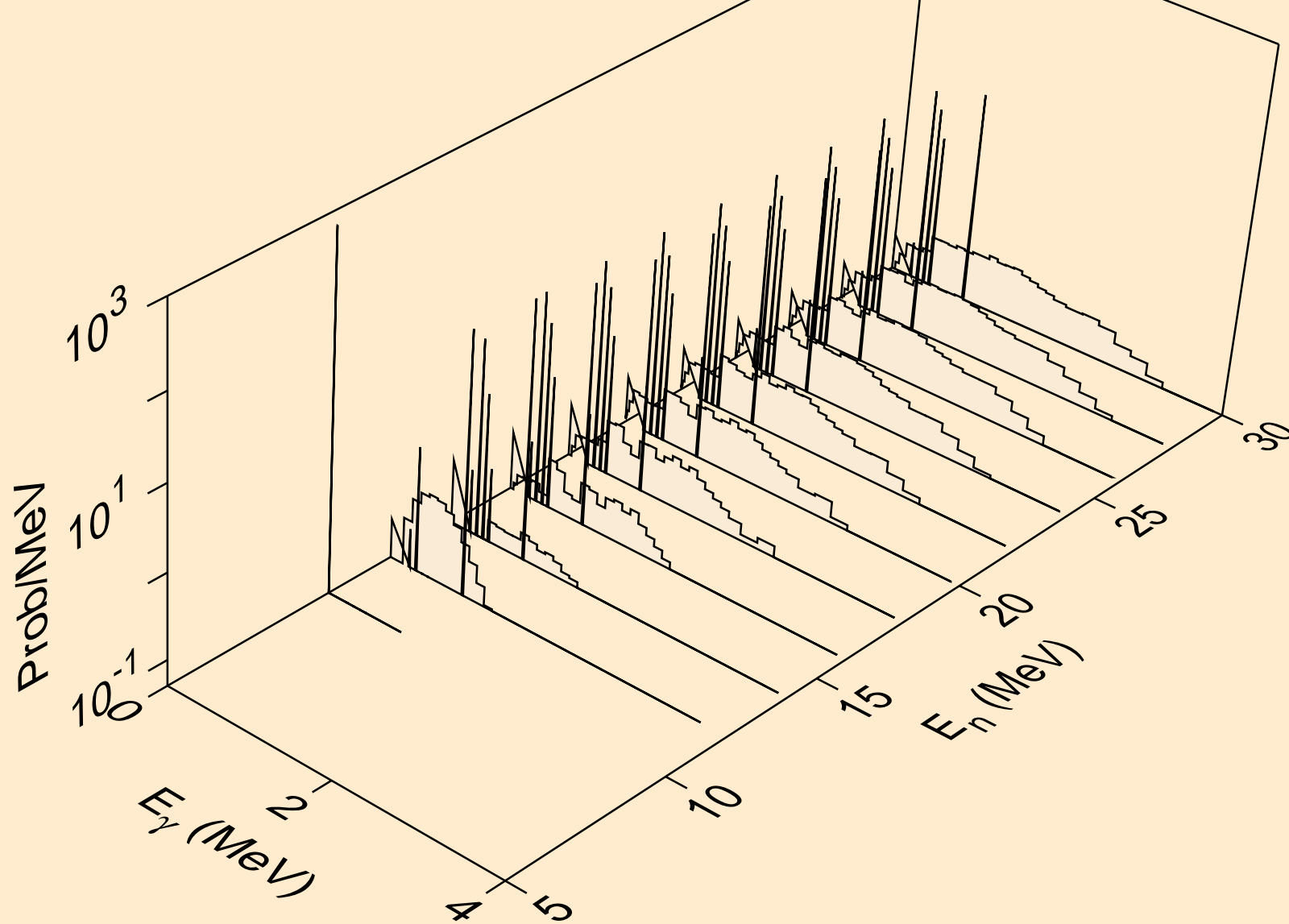
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



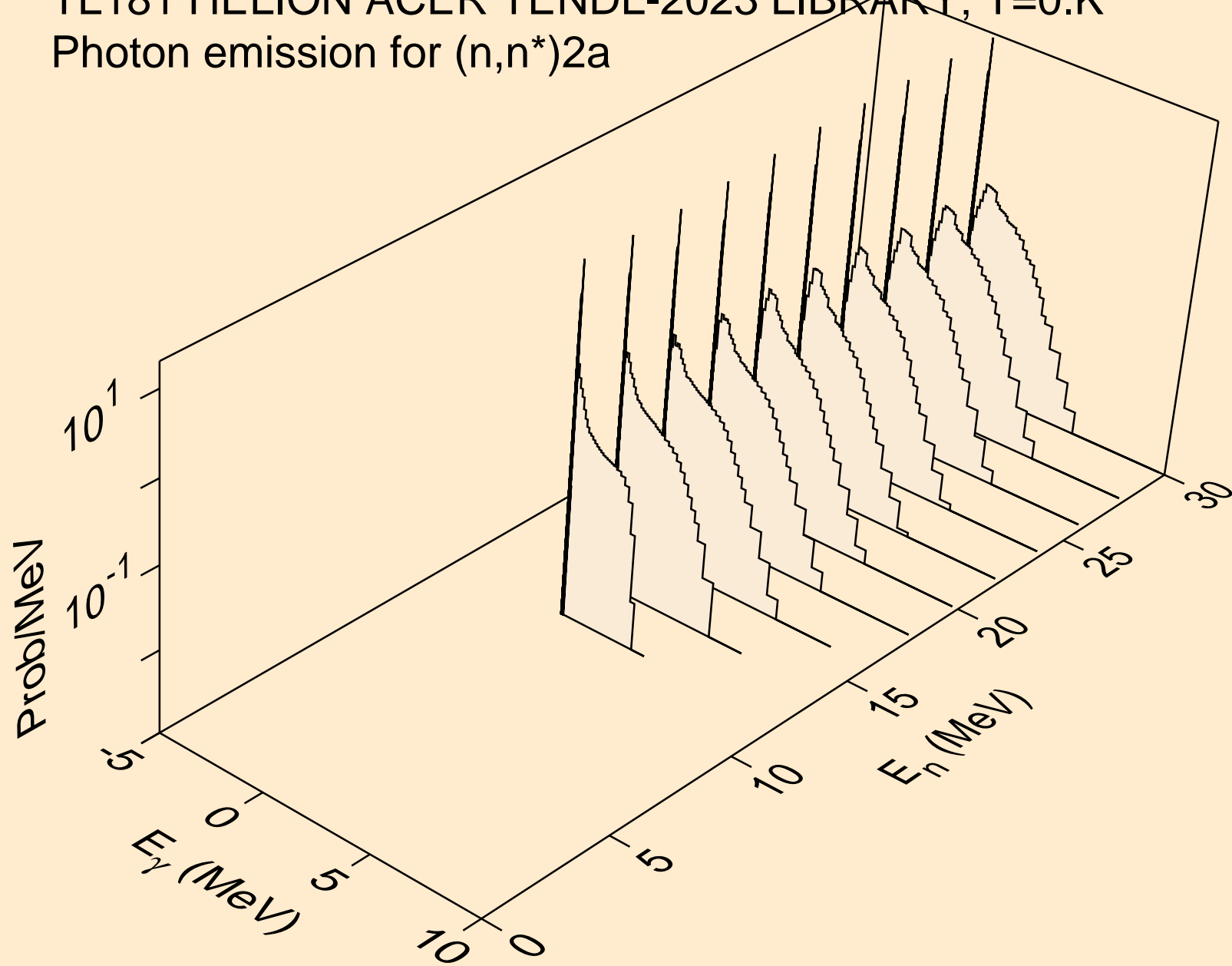
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



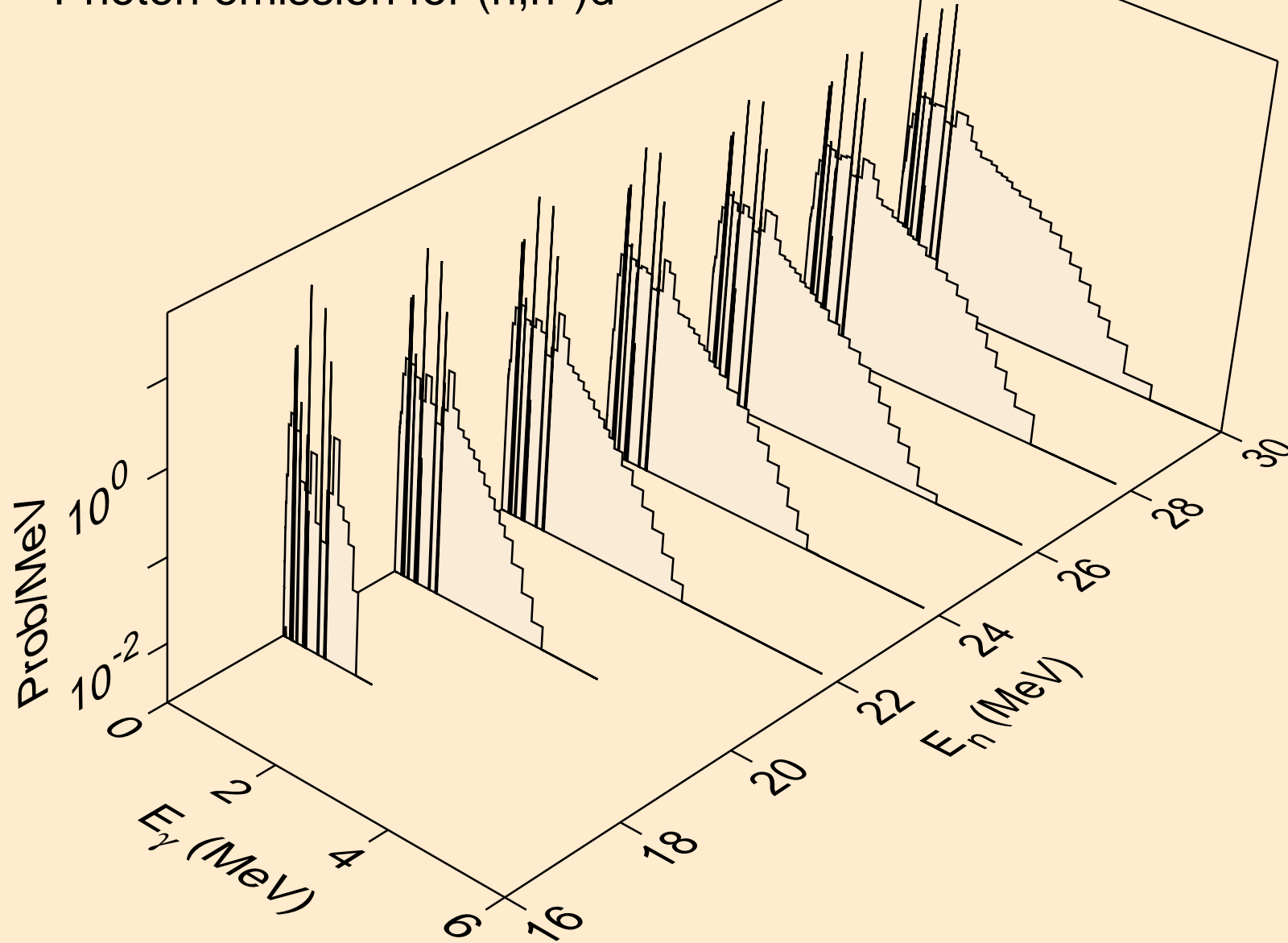
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



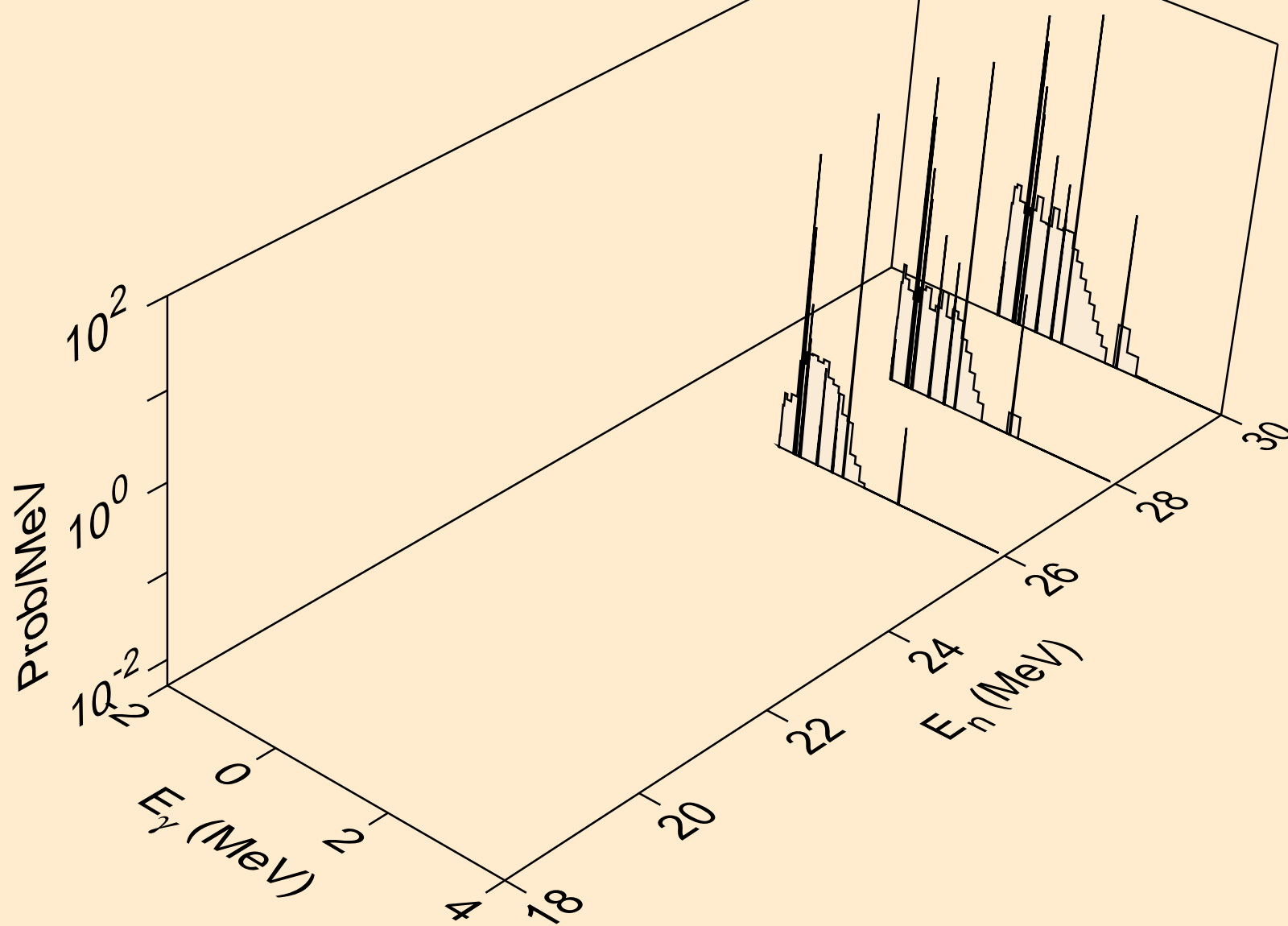
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



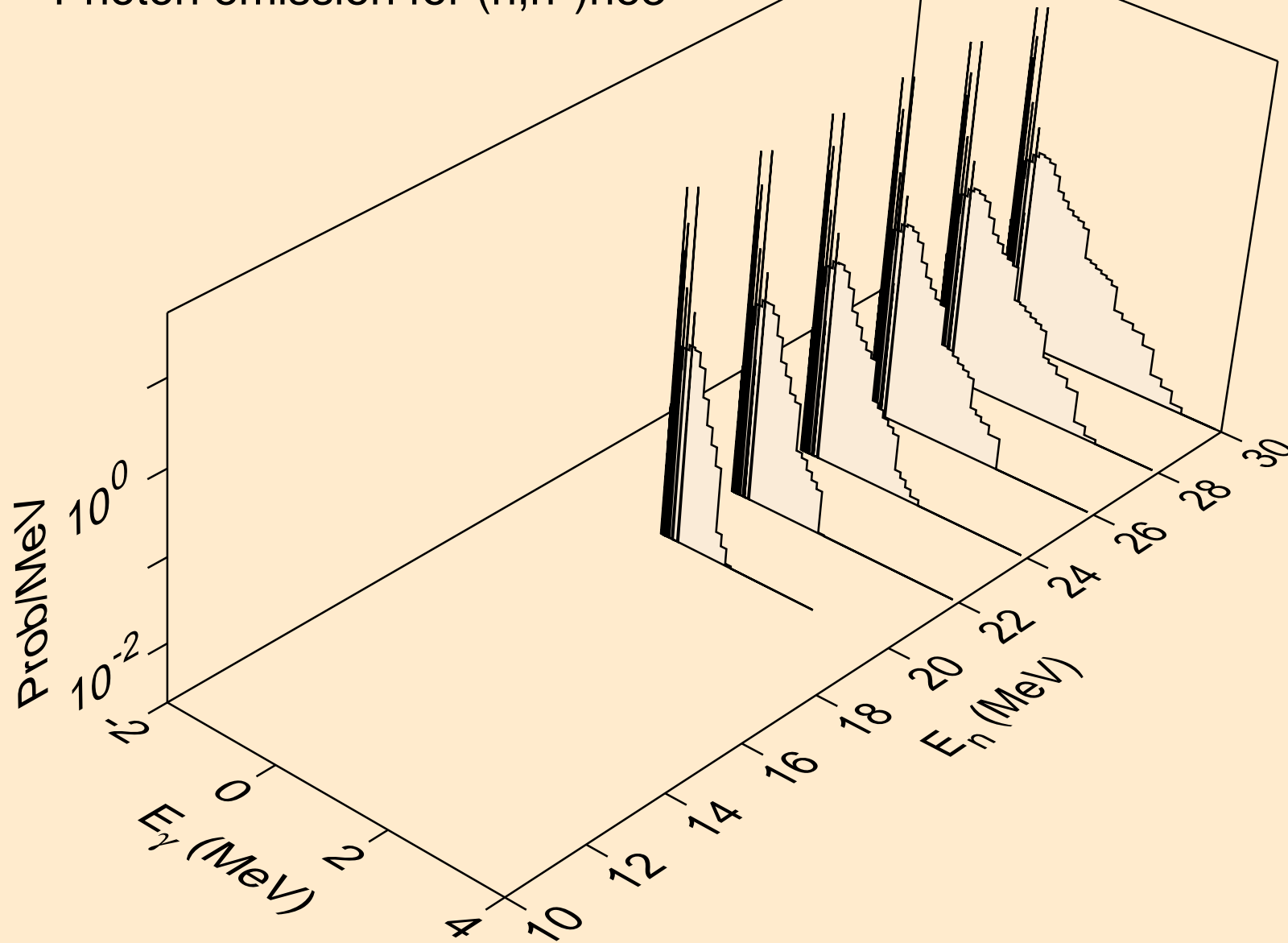
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



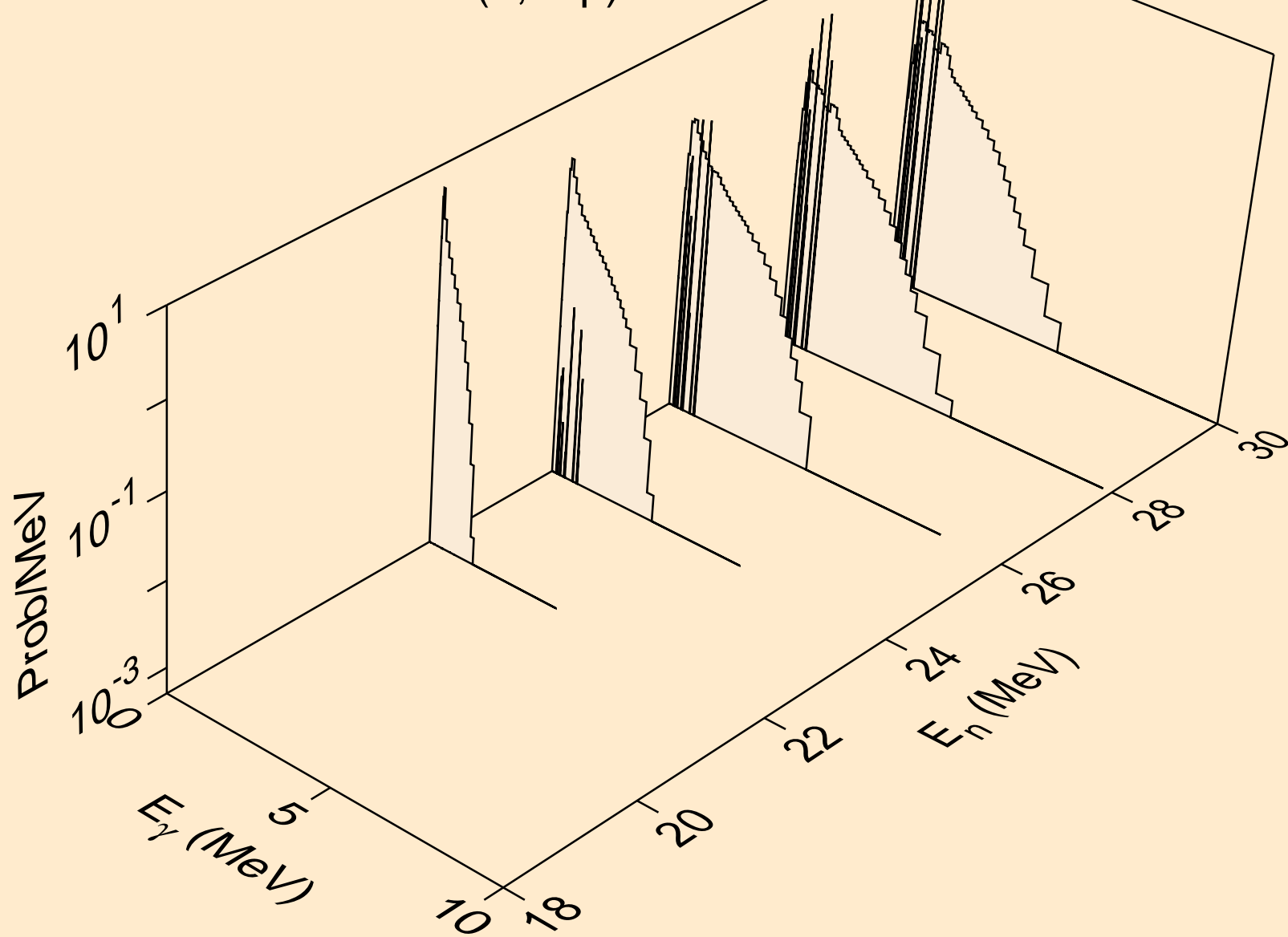
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



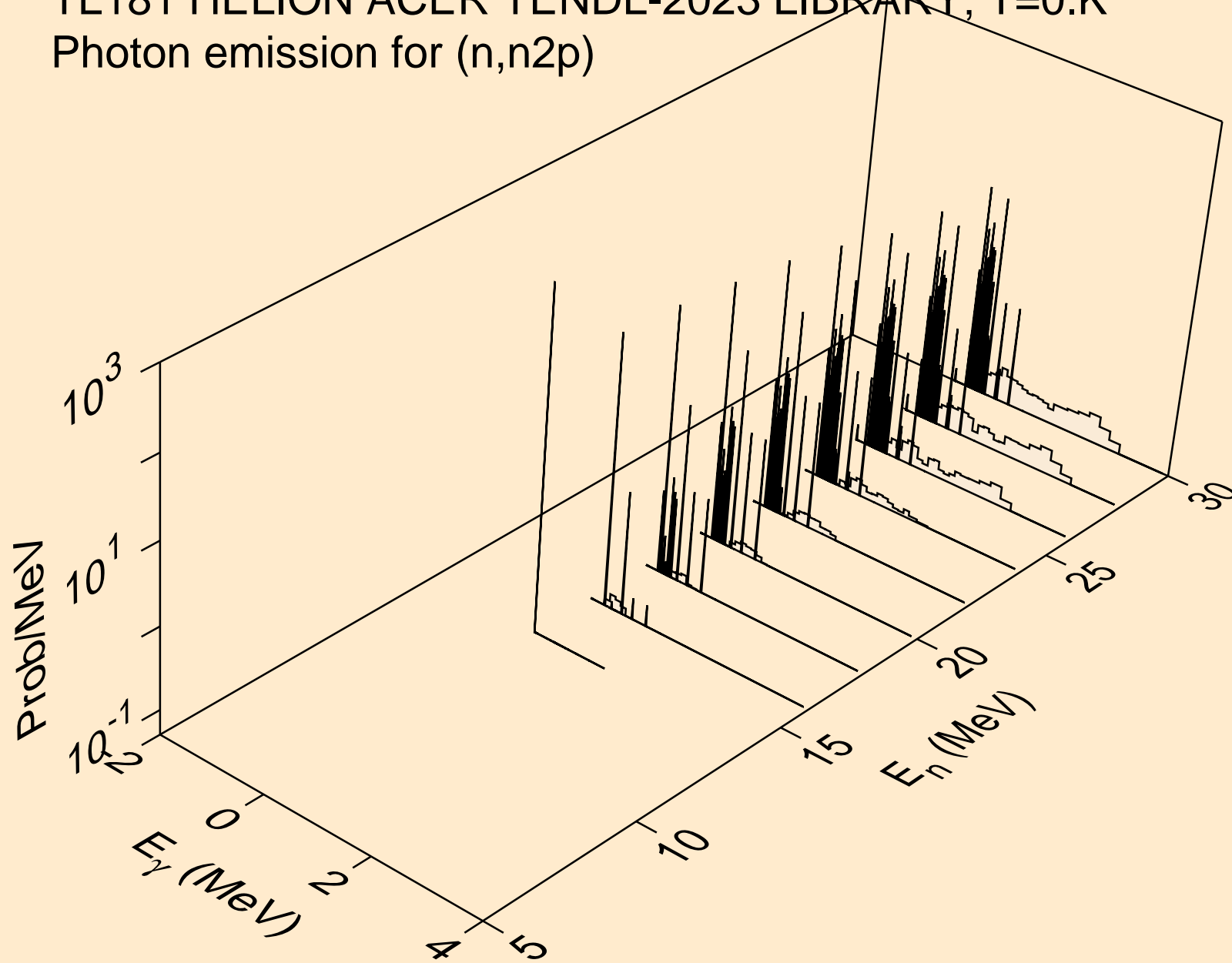
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



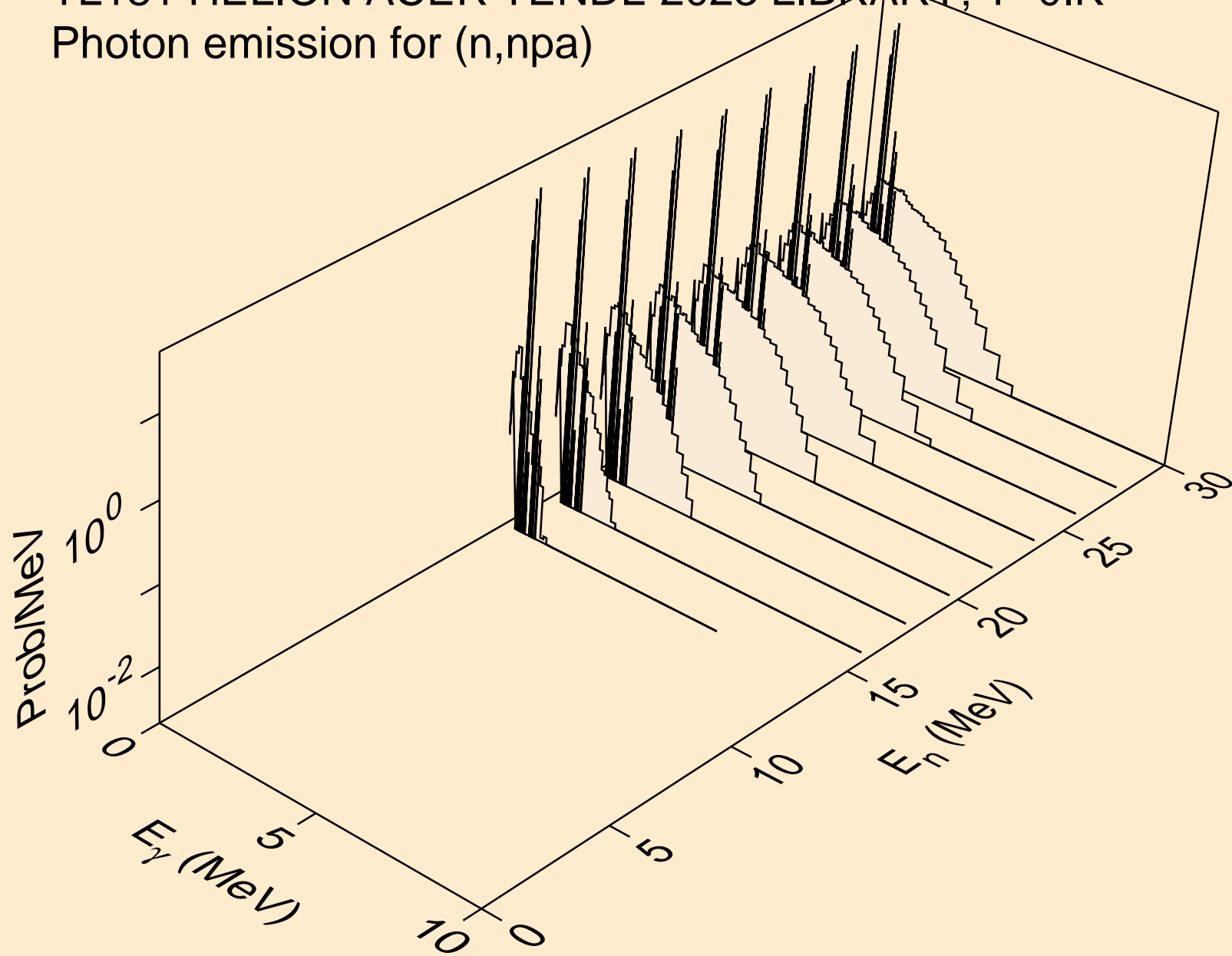
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



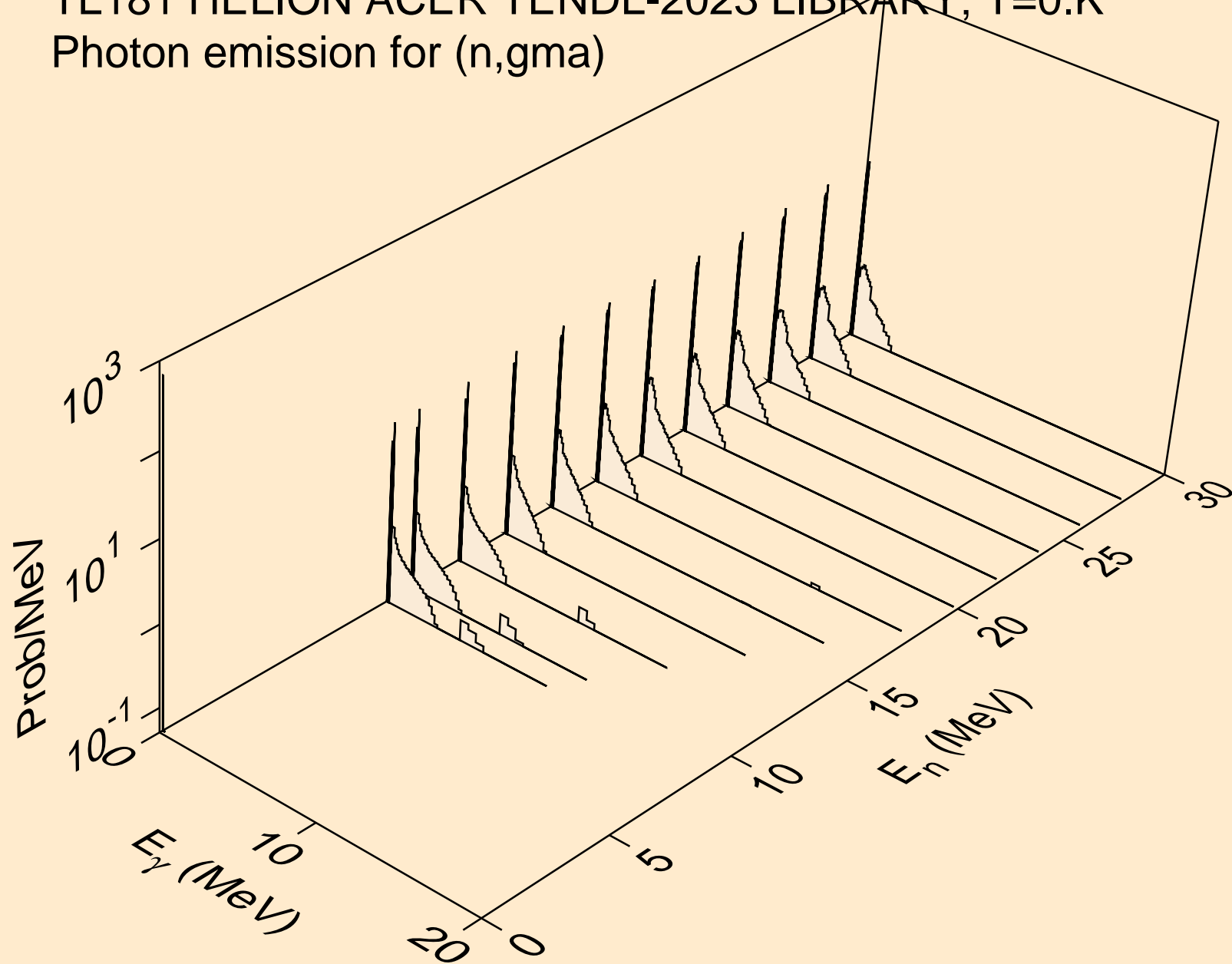
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



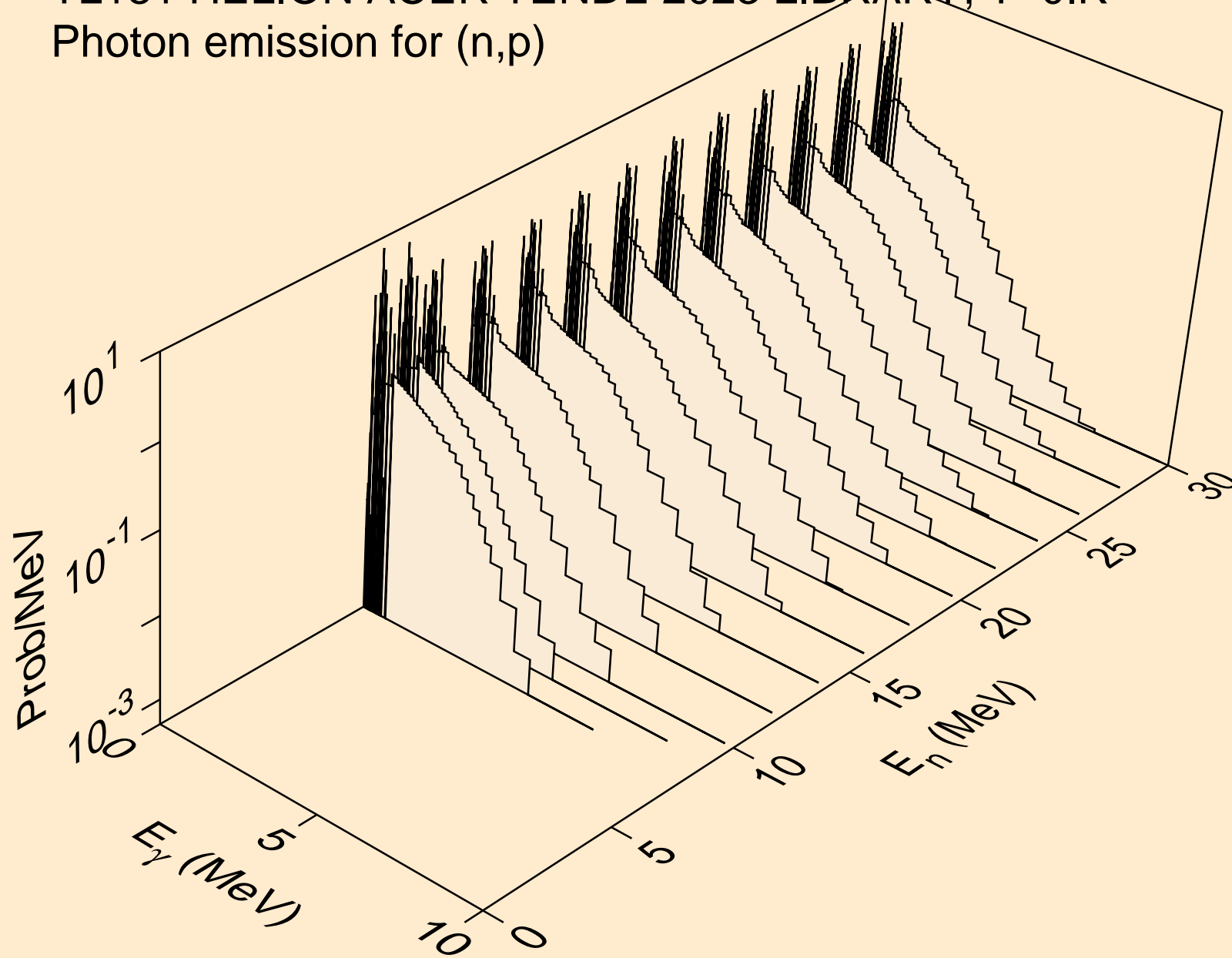
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Photon emission for (n,npa)



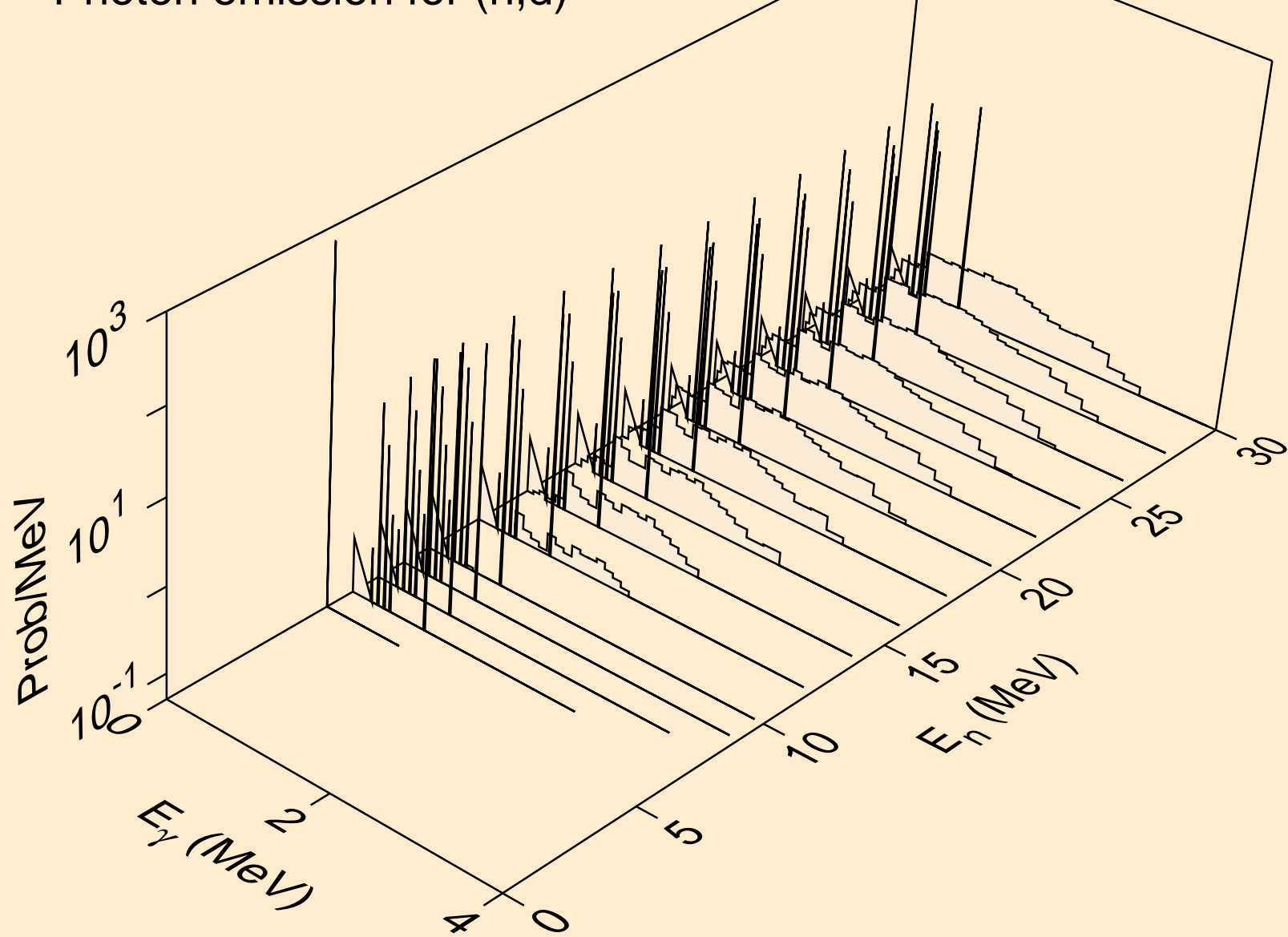
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



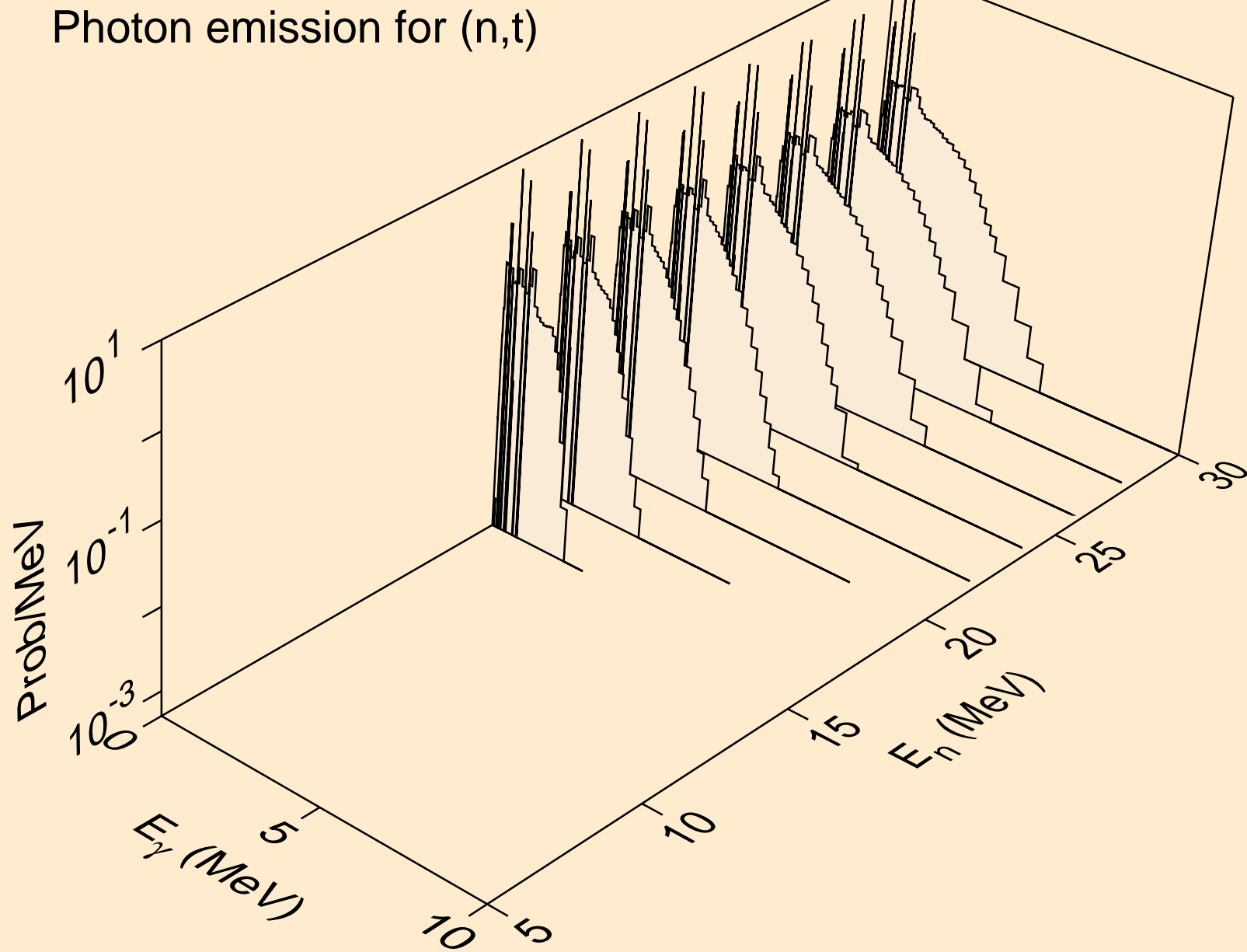
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



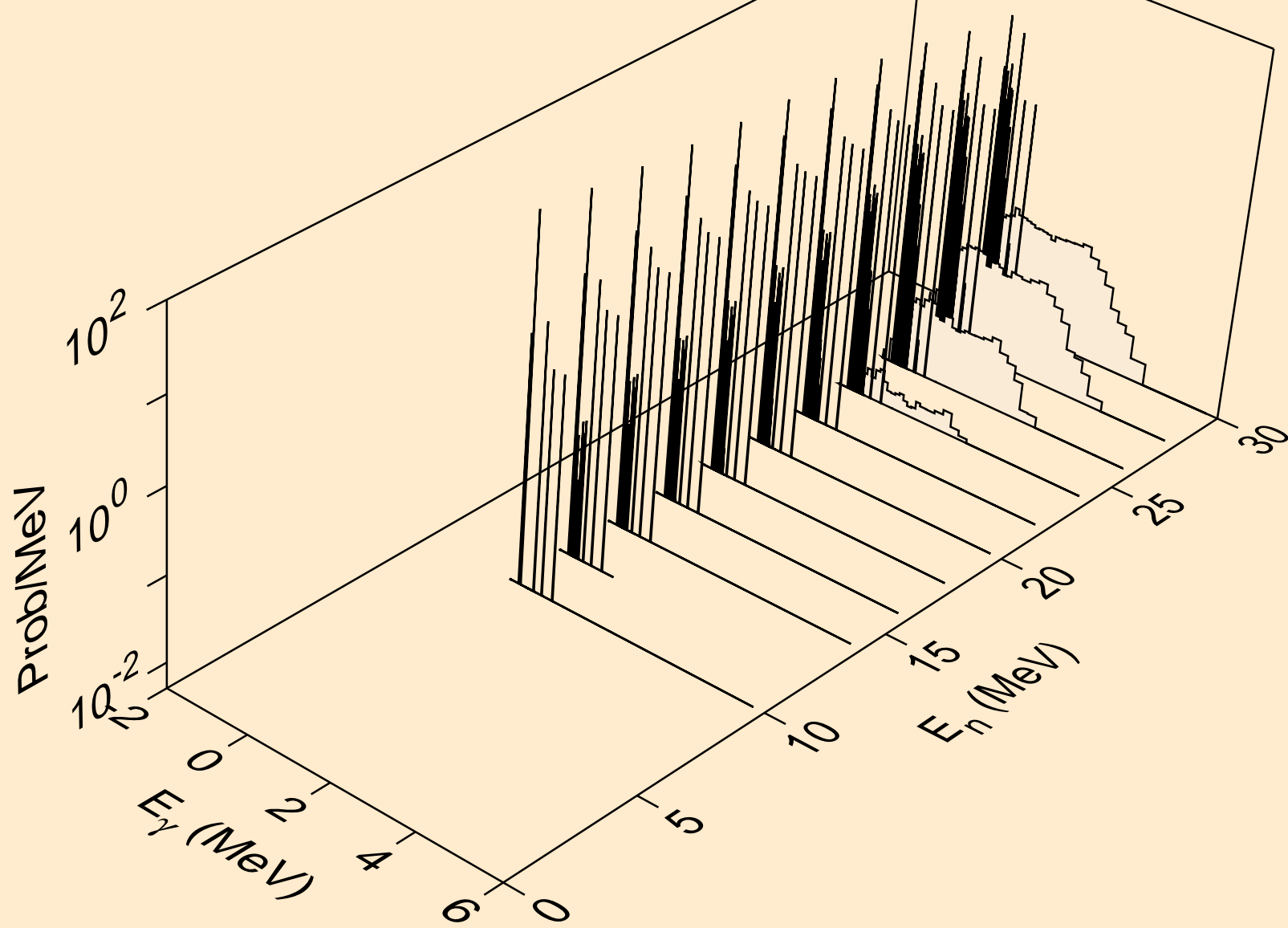
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Photon emission for (n,d)



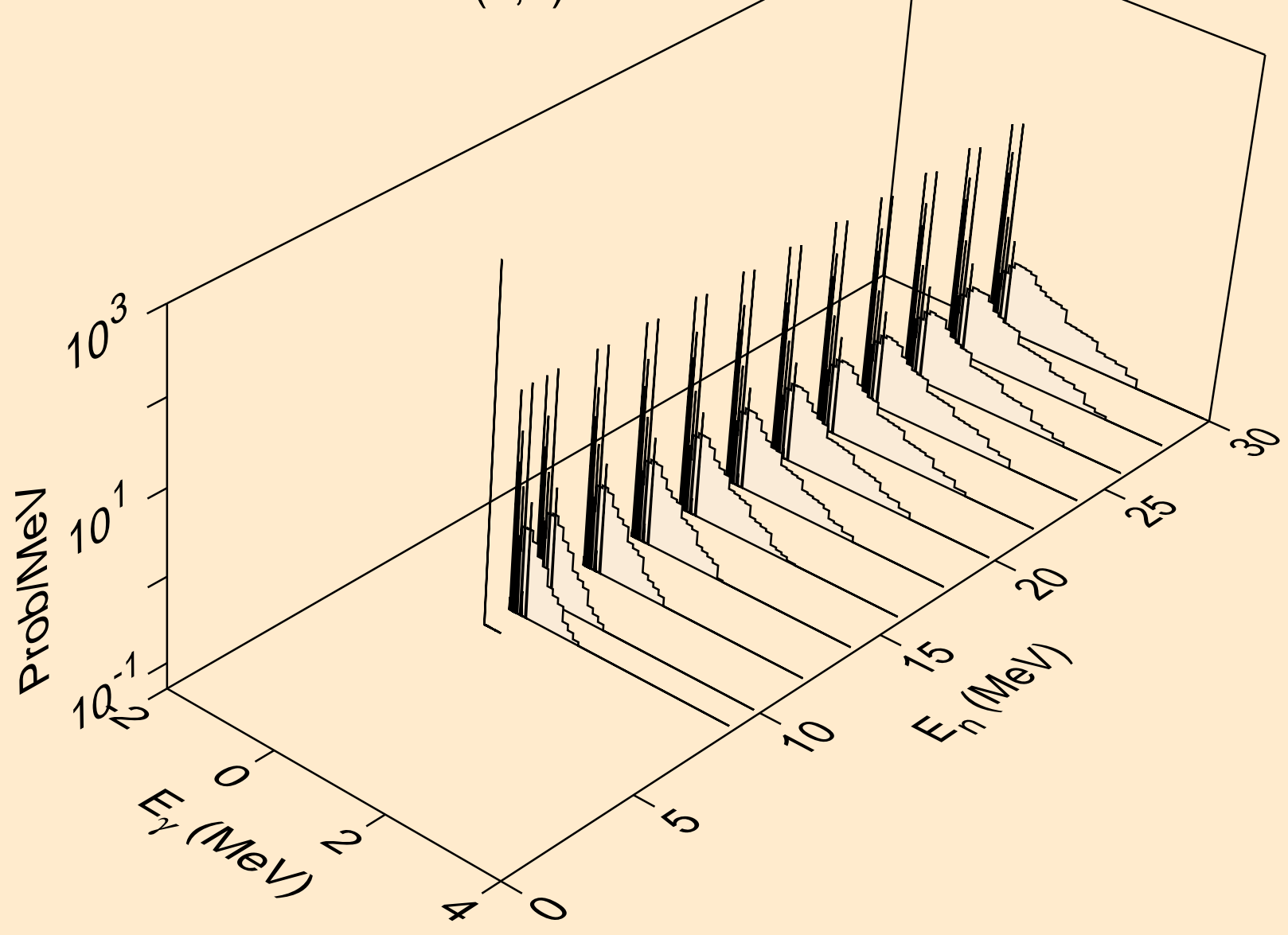
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



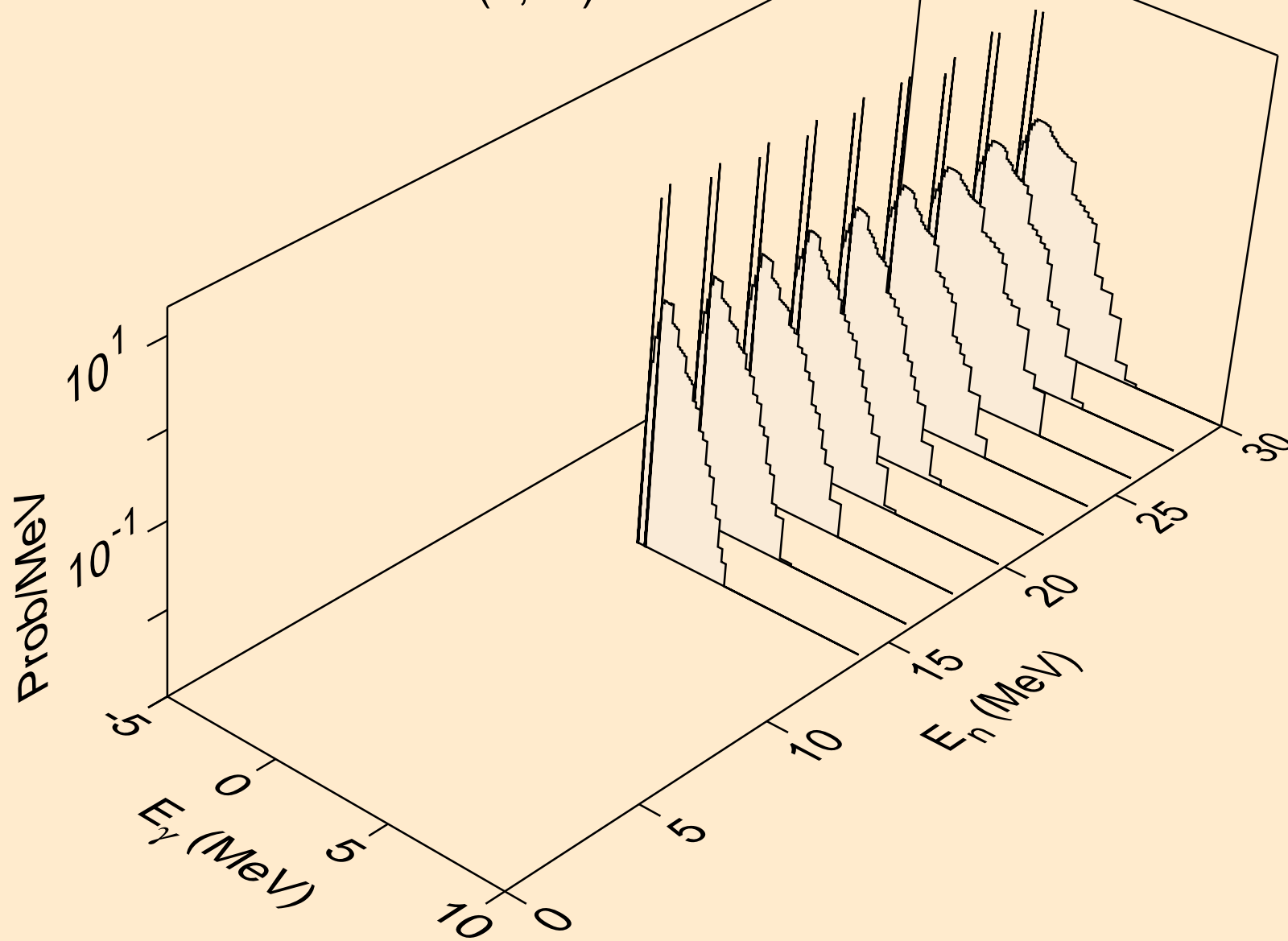
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic



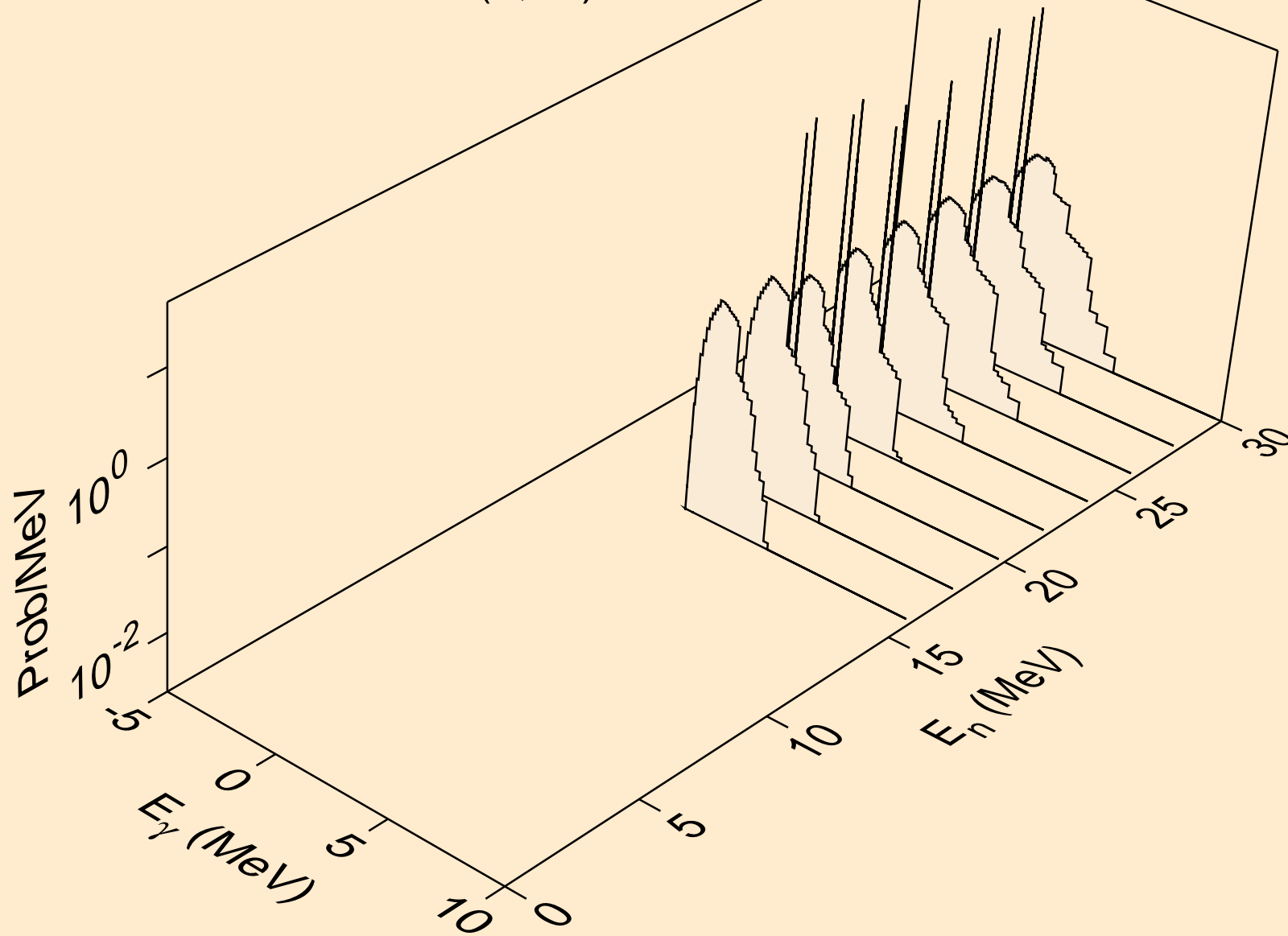
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



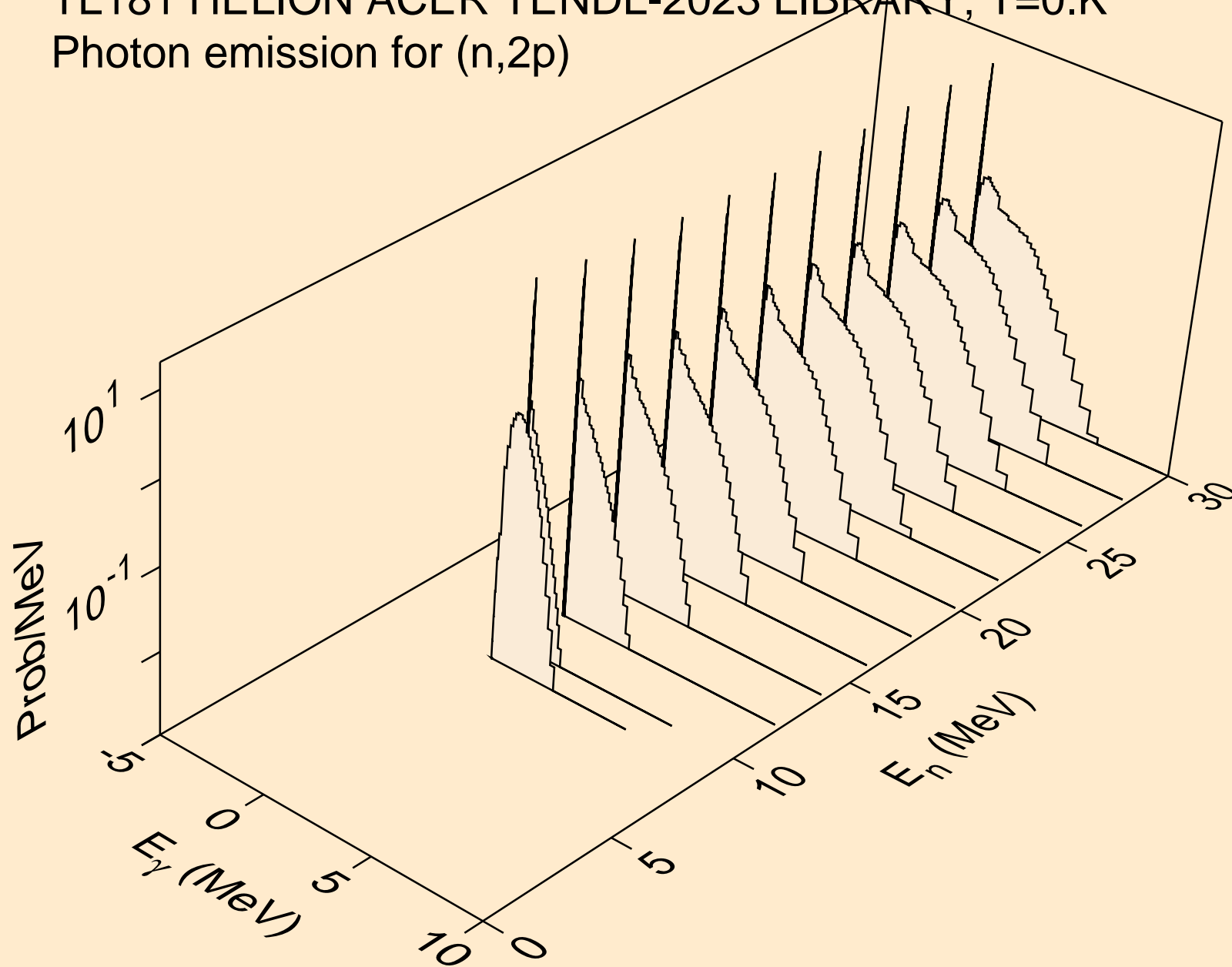
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Photon emission for (n,2a)



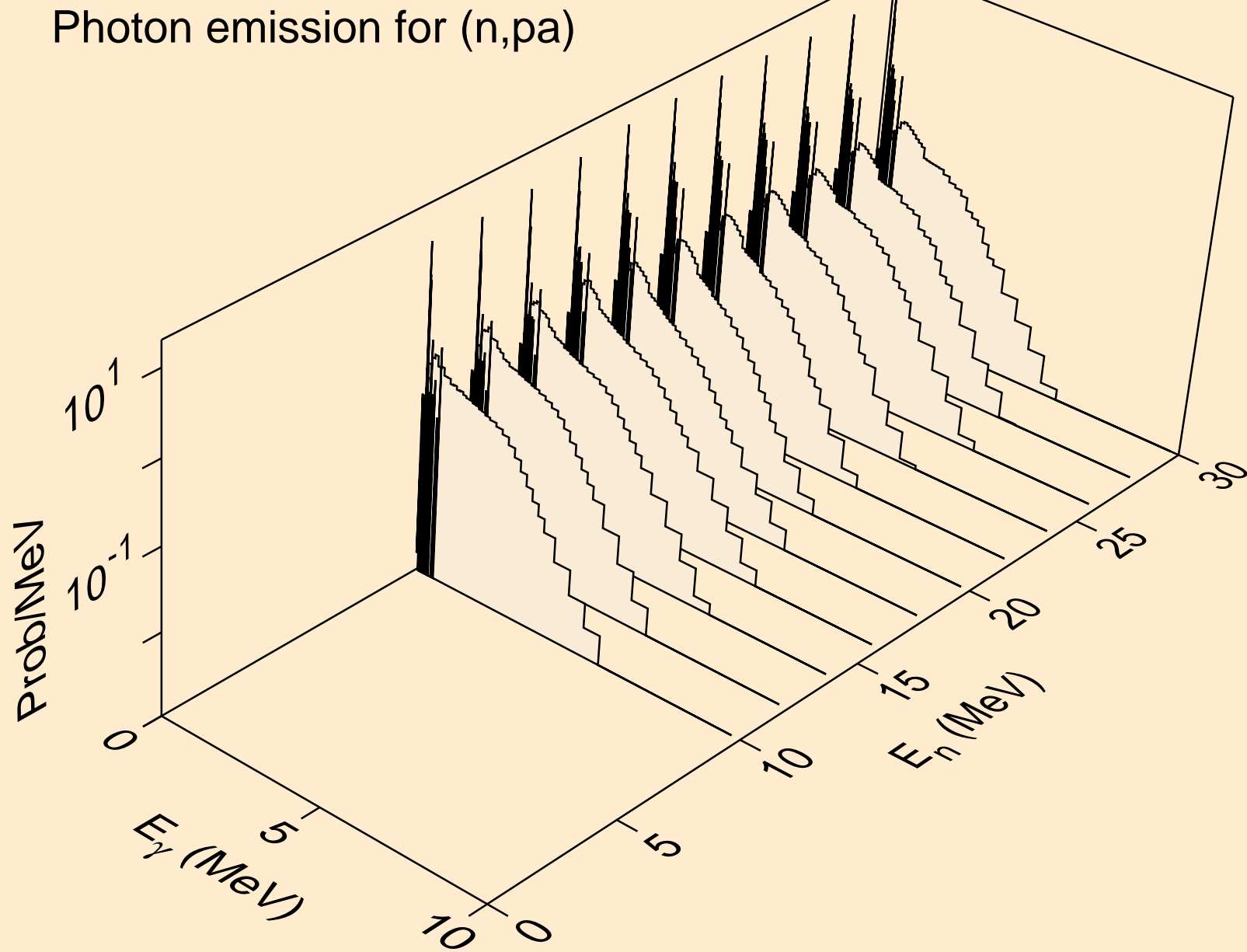
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Photon emission for (n,3a)



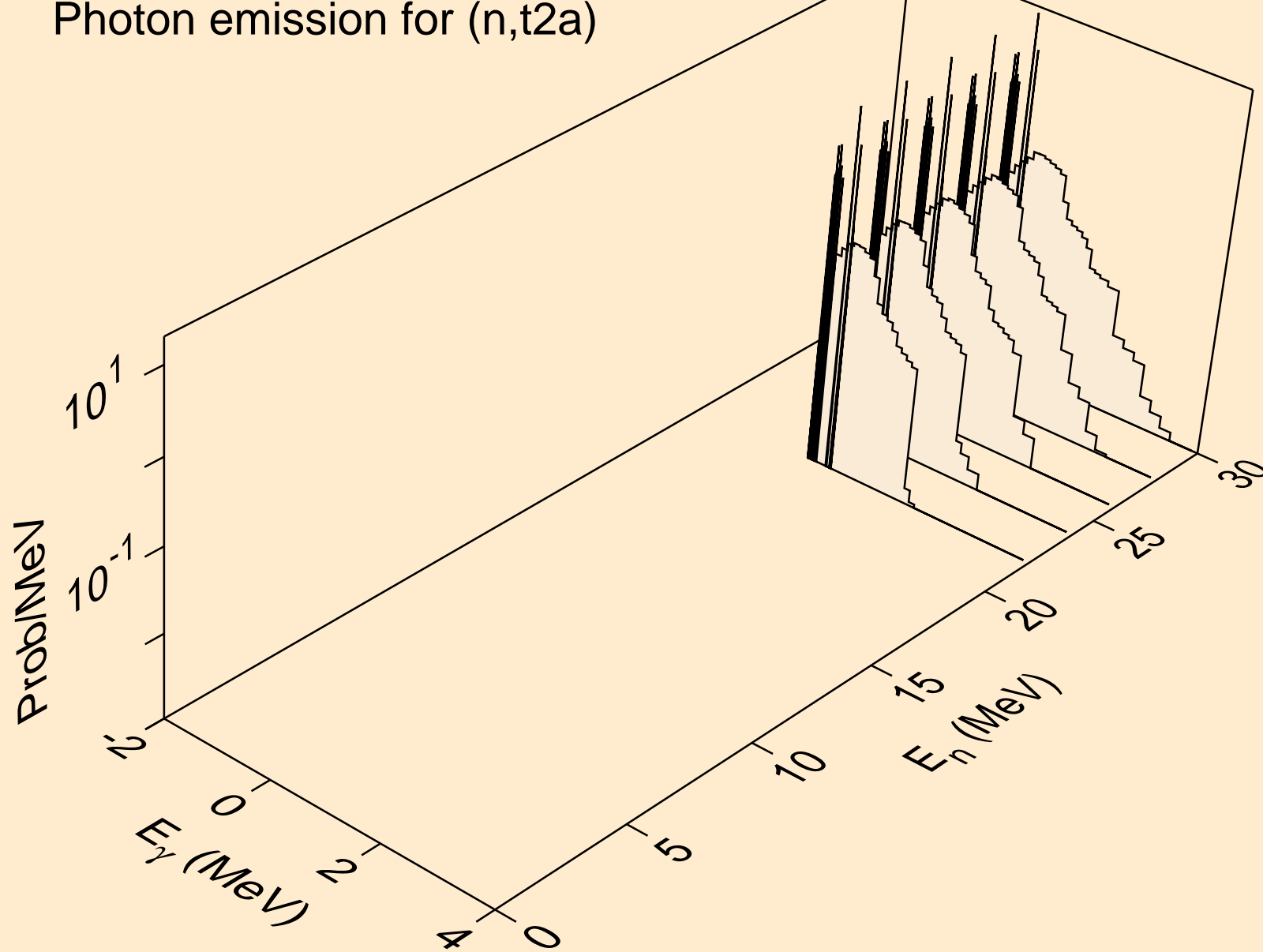
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Photon emission for (n,2p)



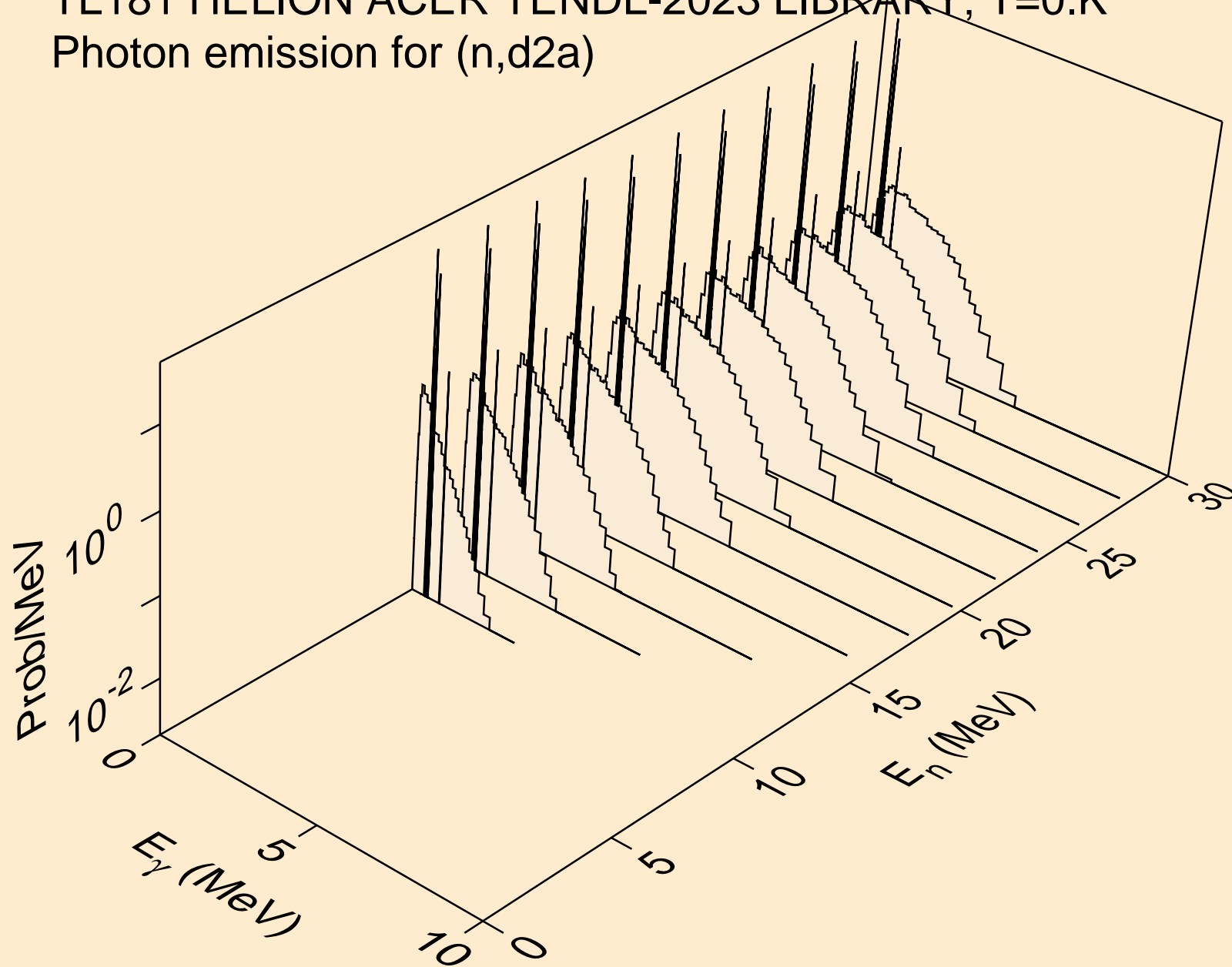
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Photon emission for (n,pa)



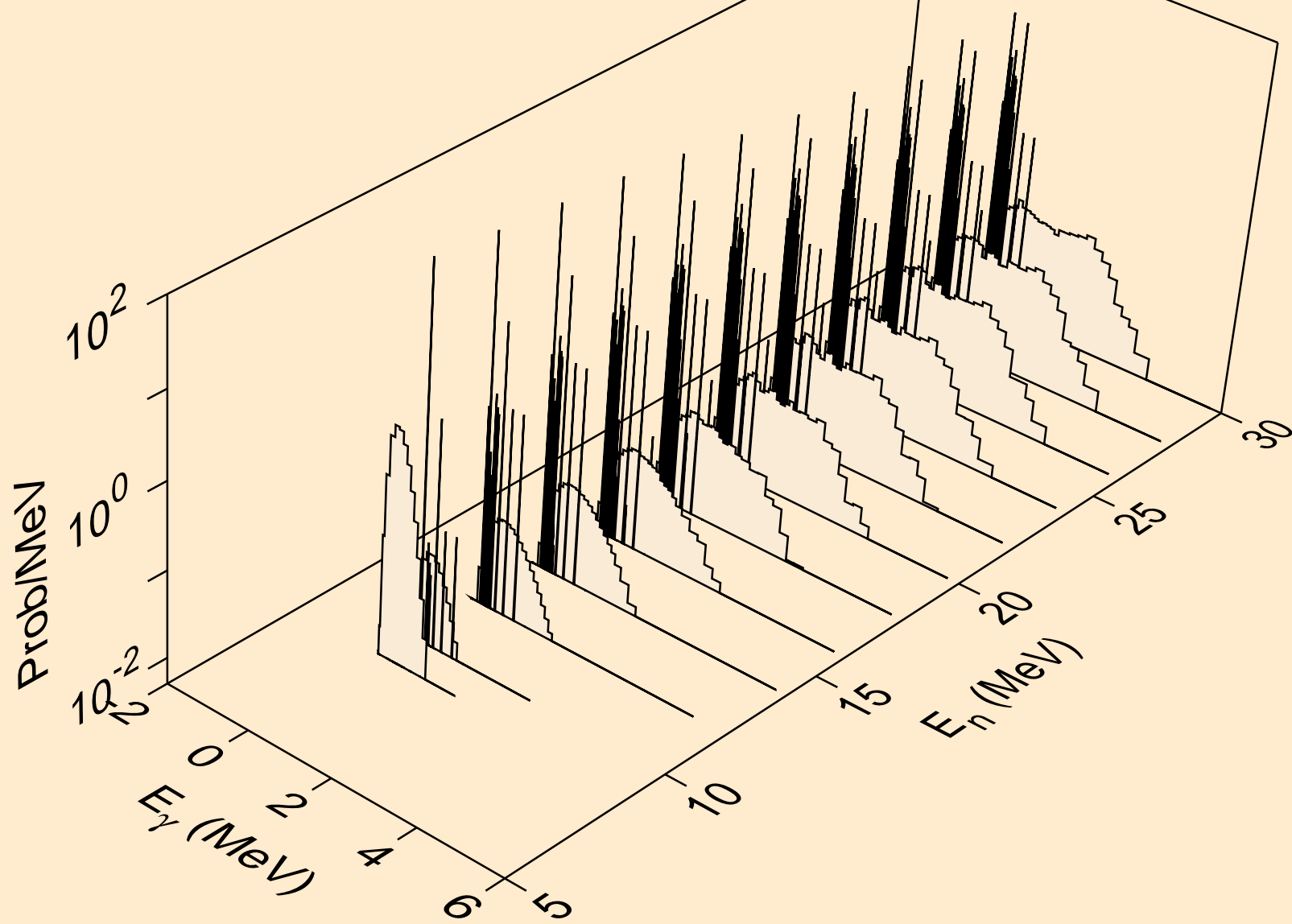
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t2a)



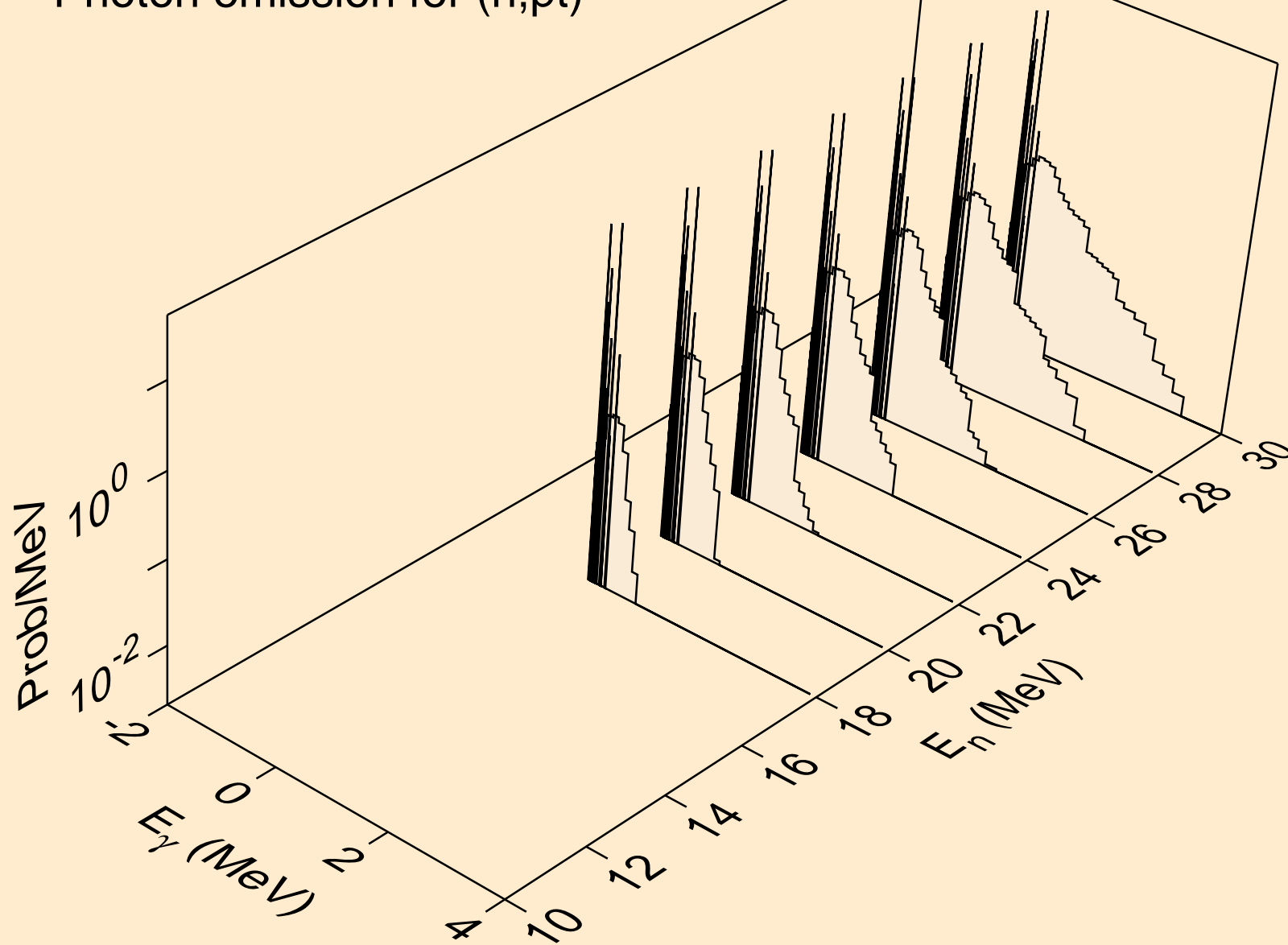
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Photon emission for (n,d2a)



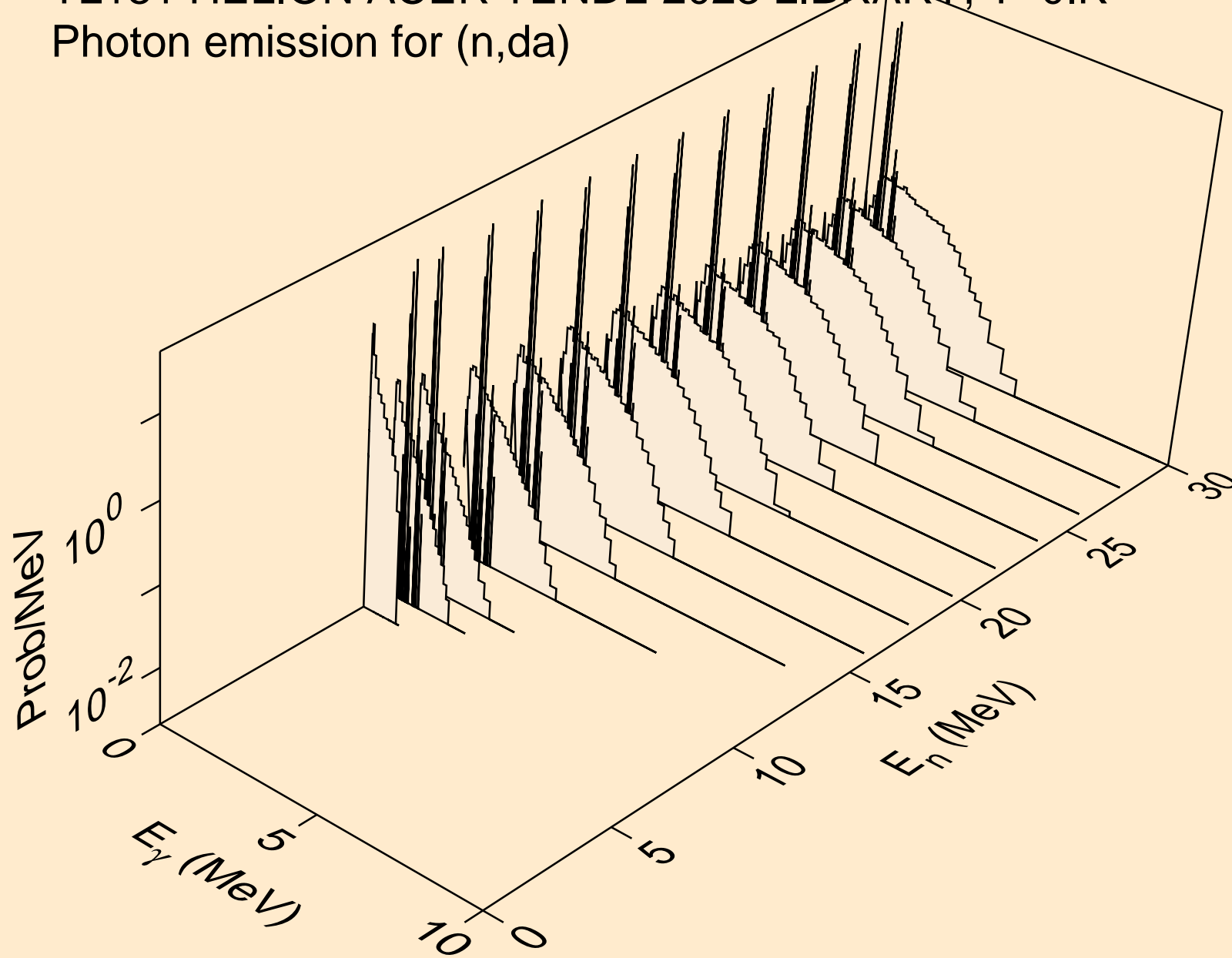
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)

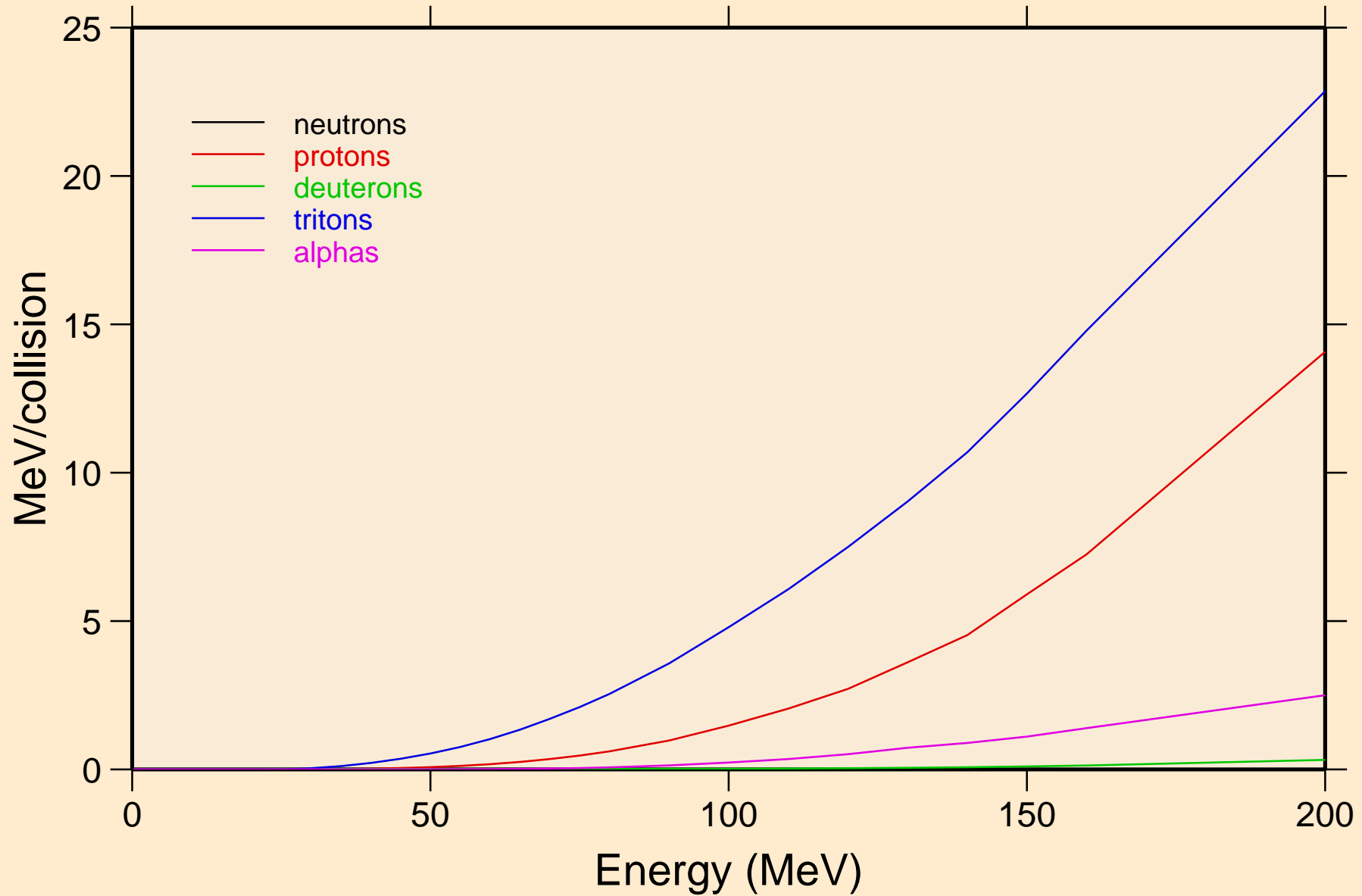


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Photon emission for (n,da)

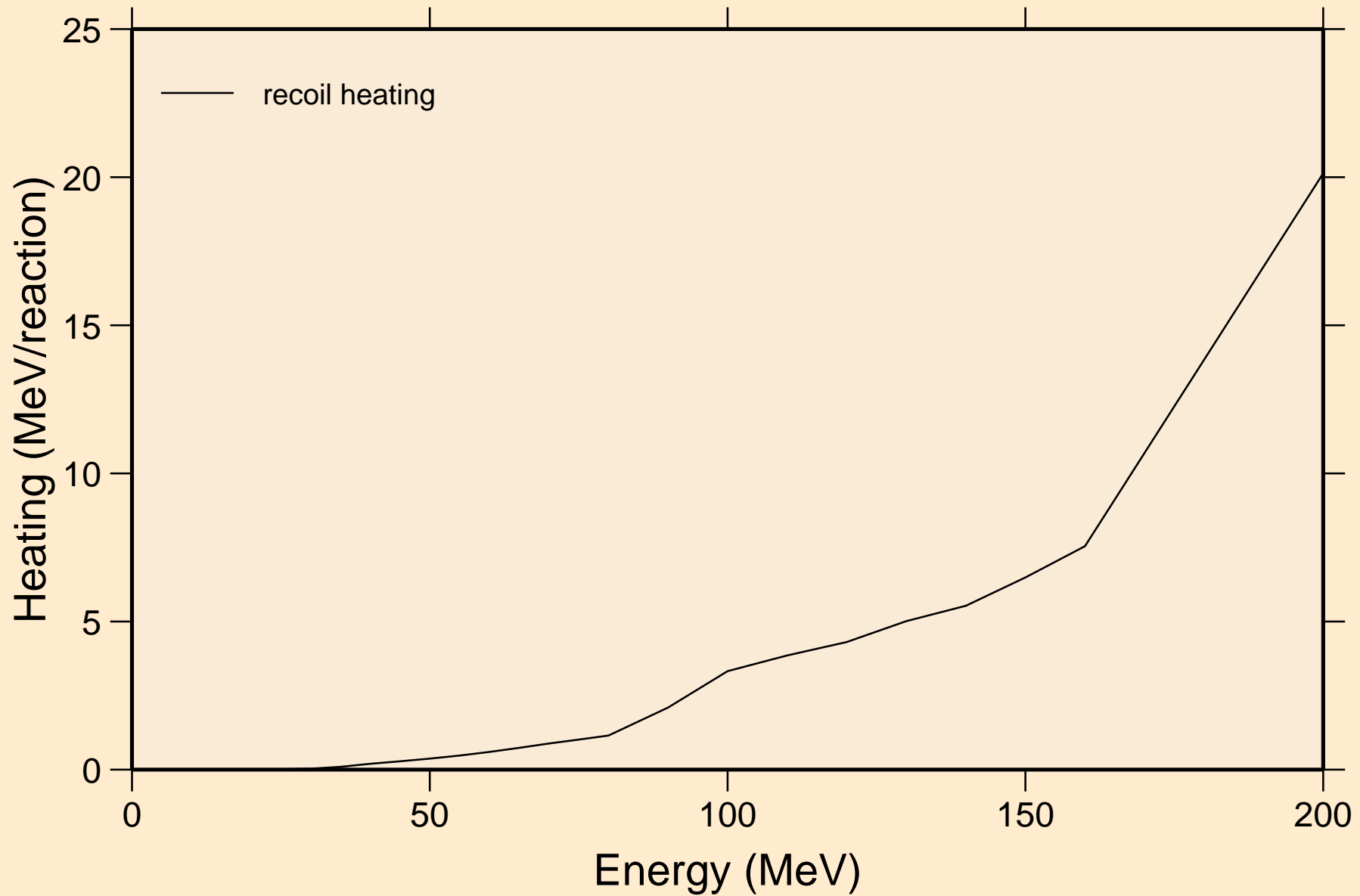


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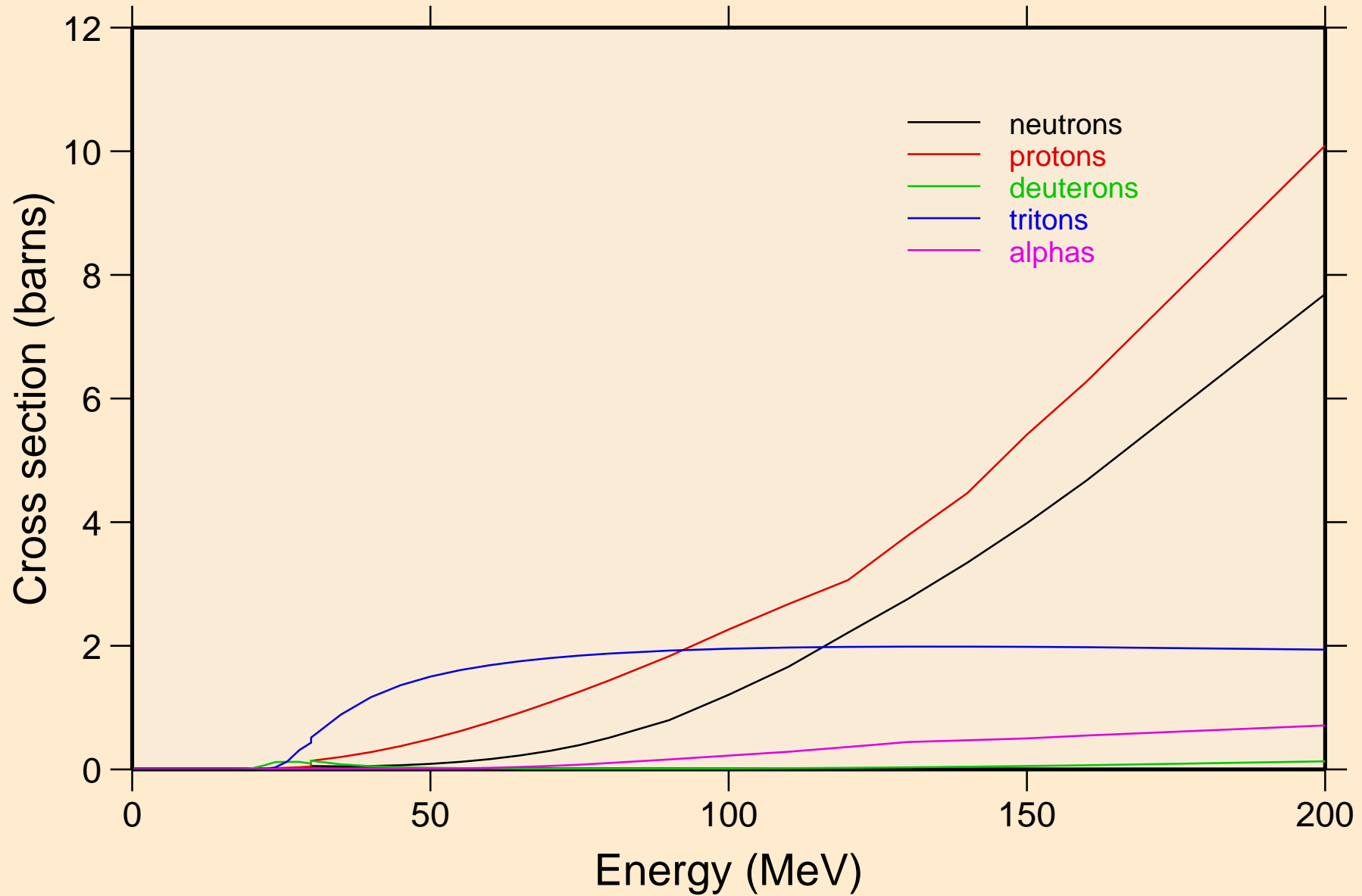
Particle heating contributions



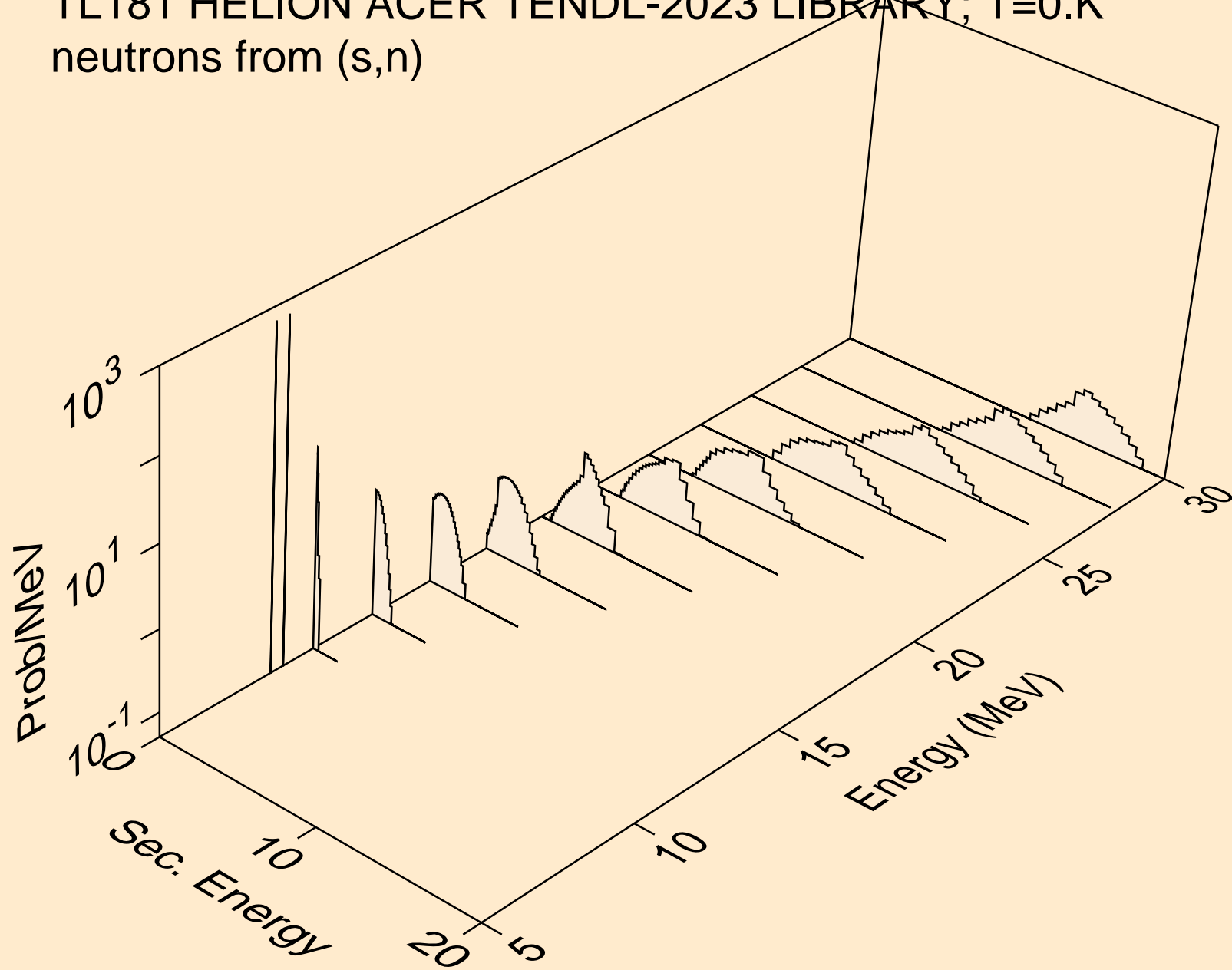
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Recoil Heating



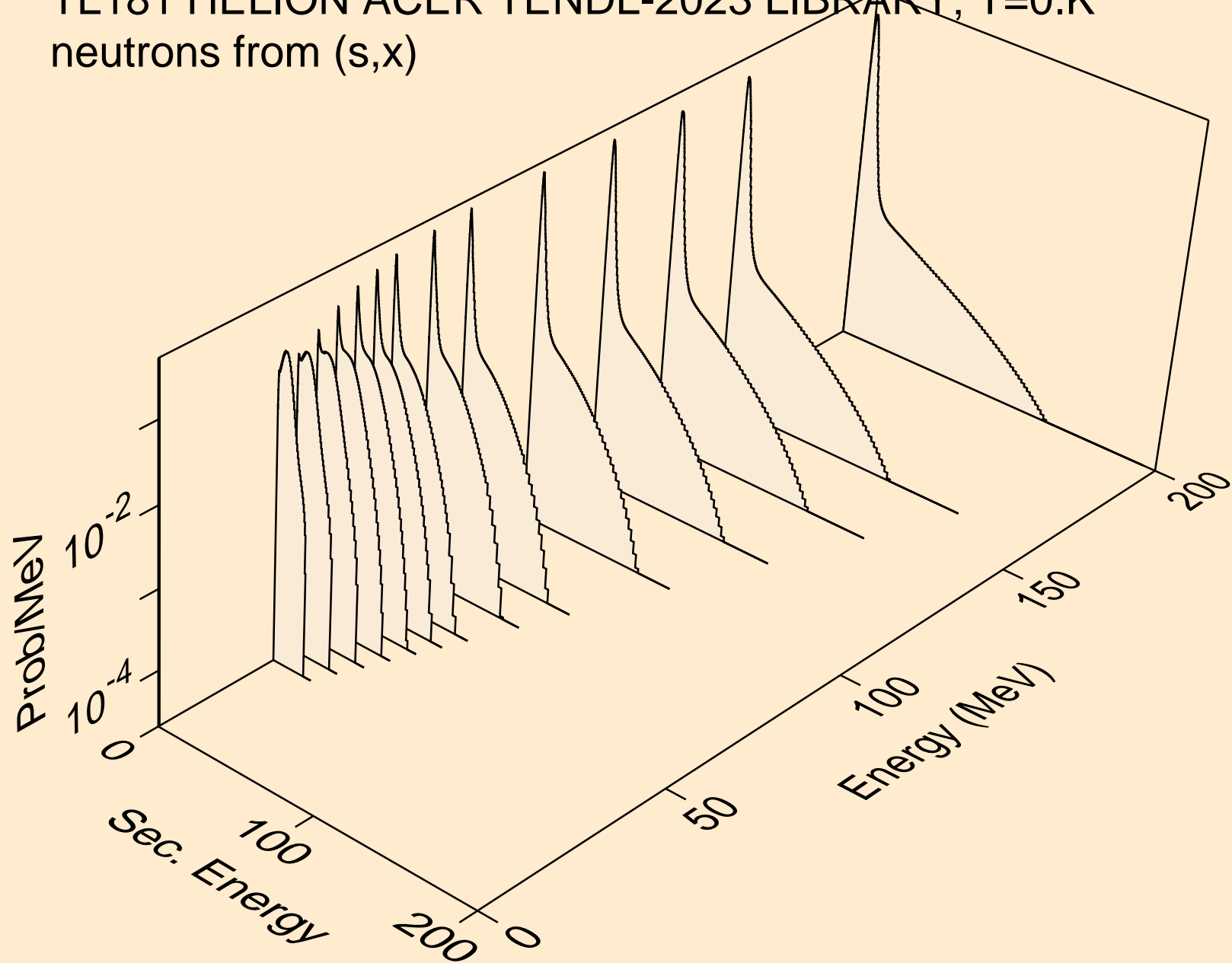
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections



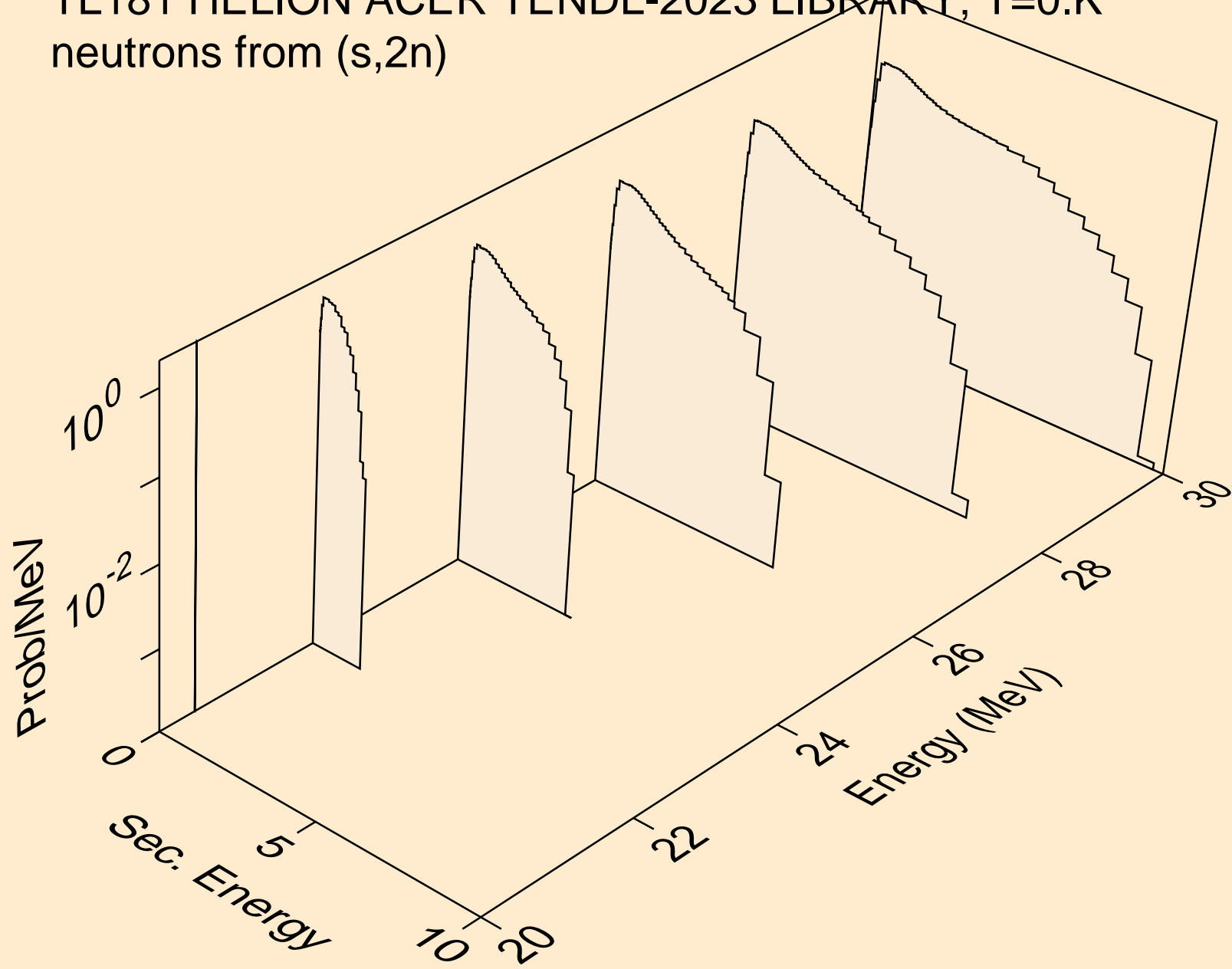
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n)



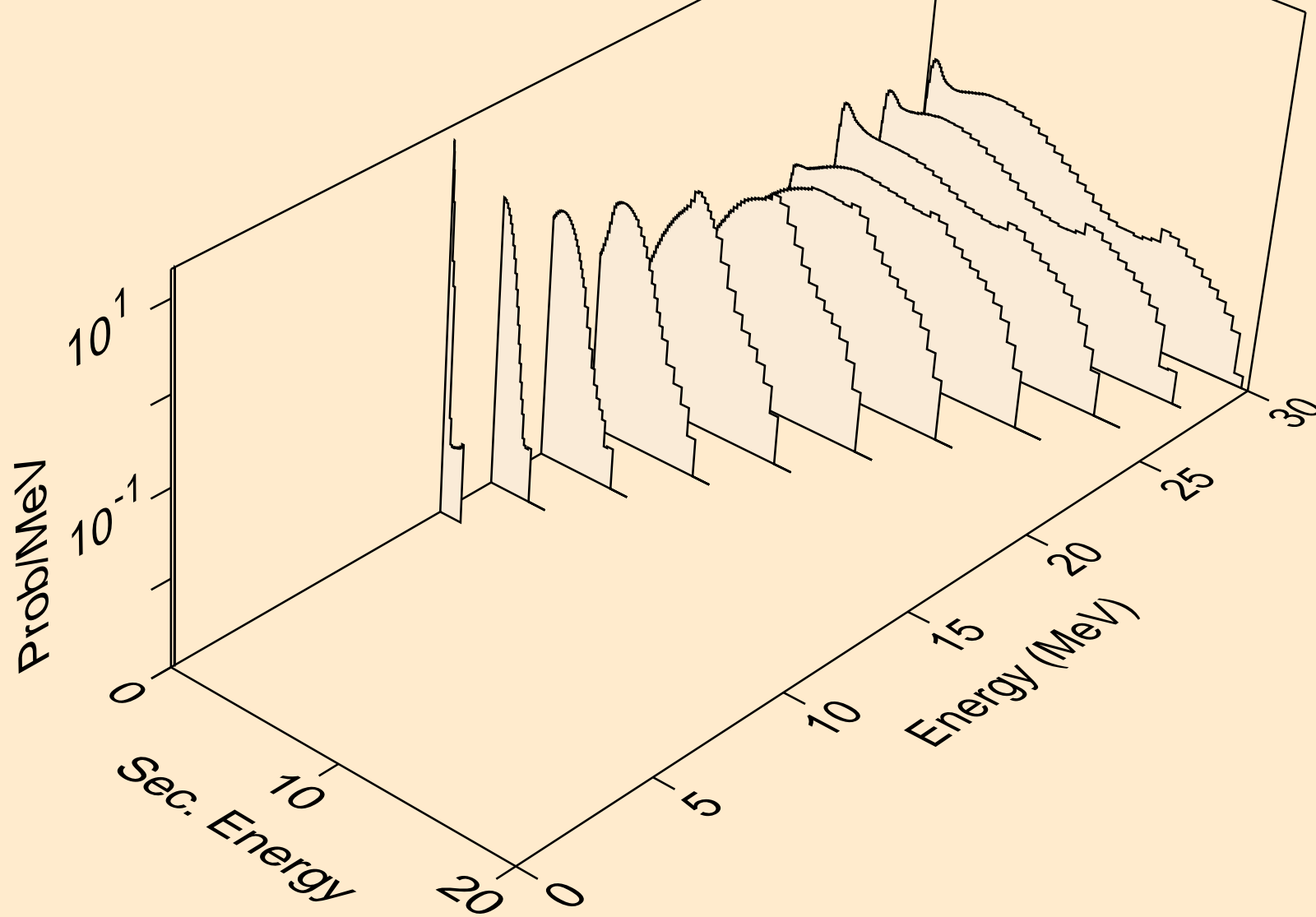
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neutrons from (s,x)



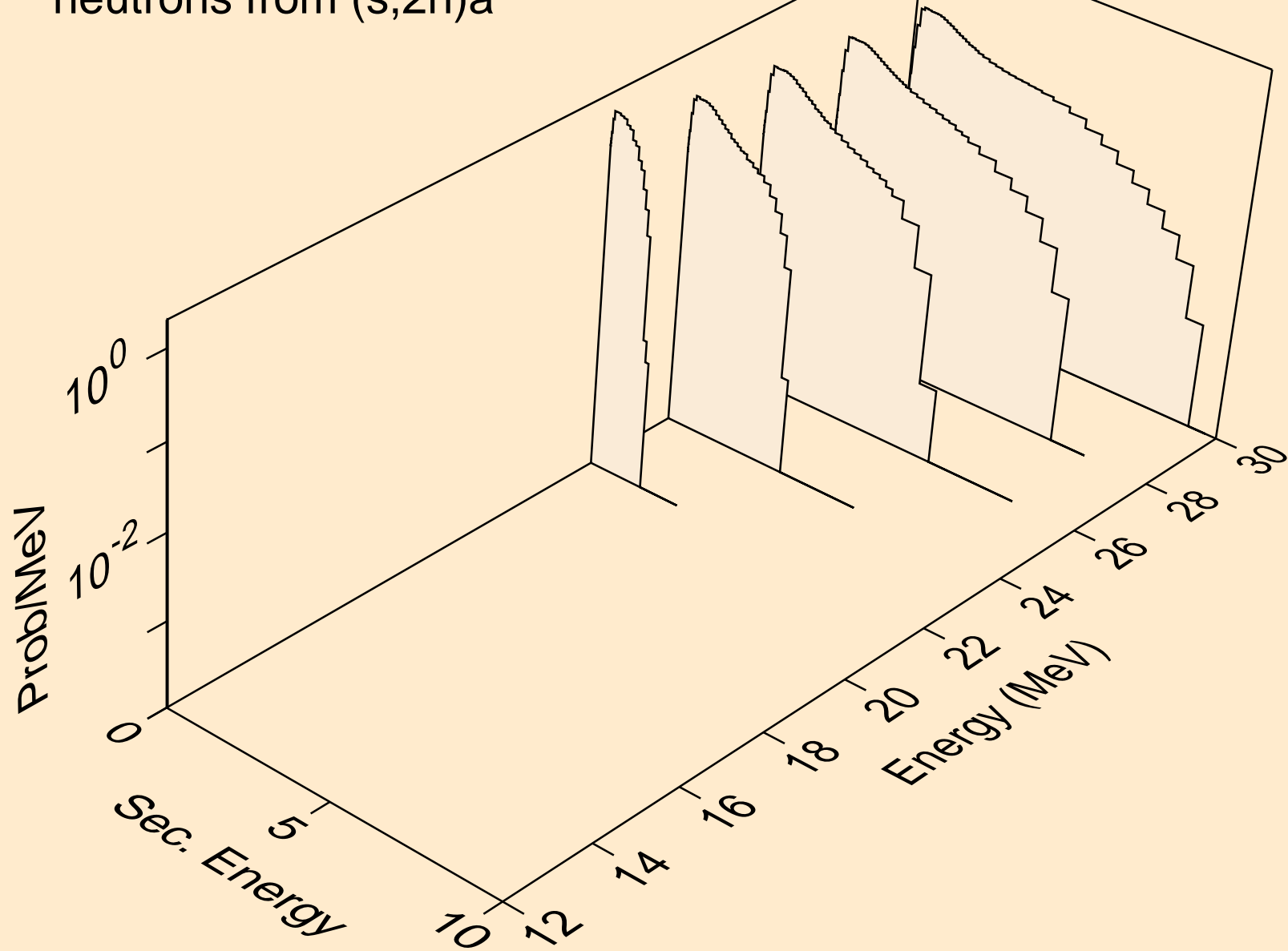
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)



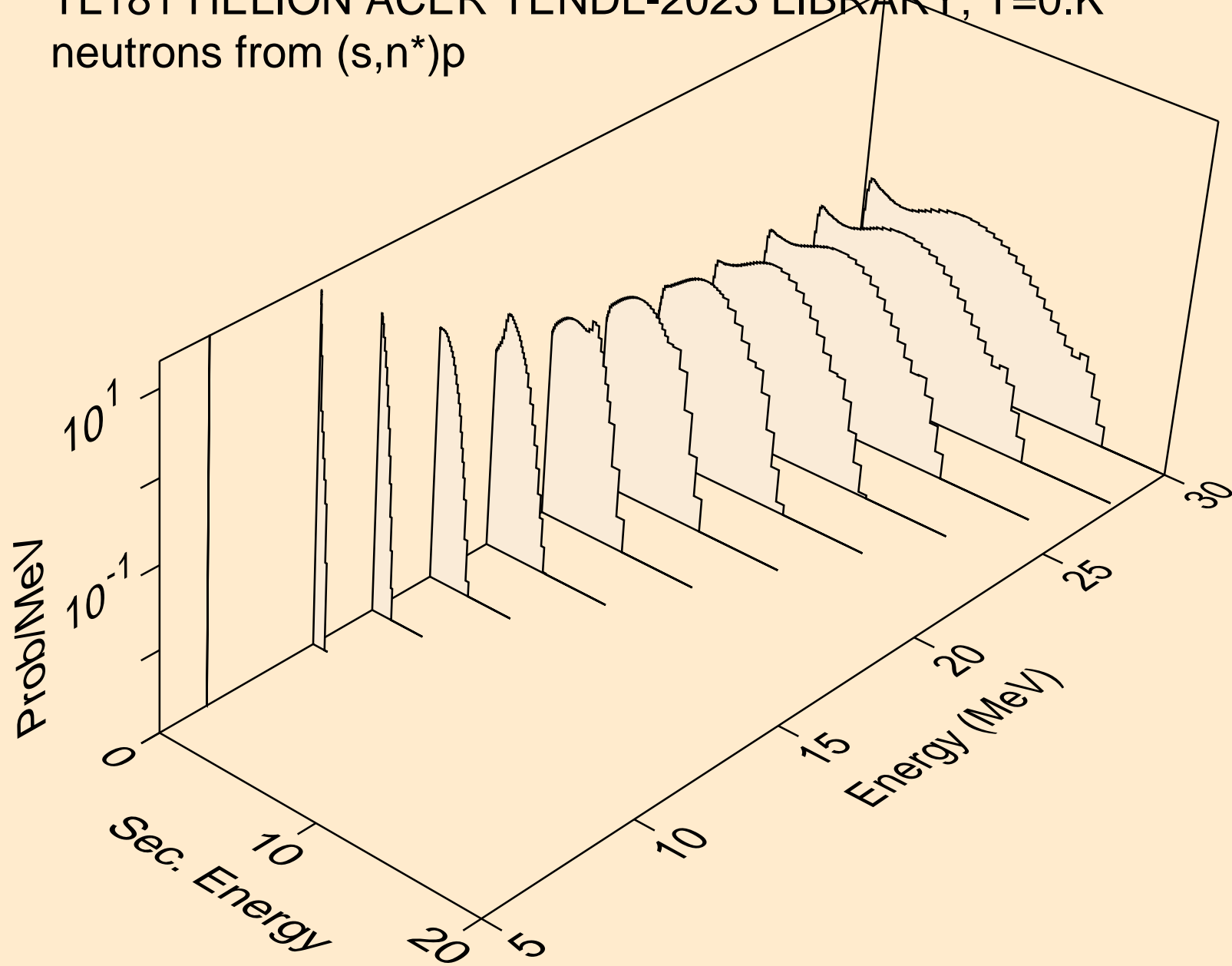
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)a



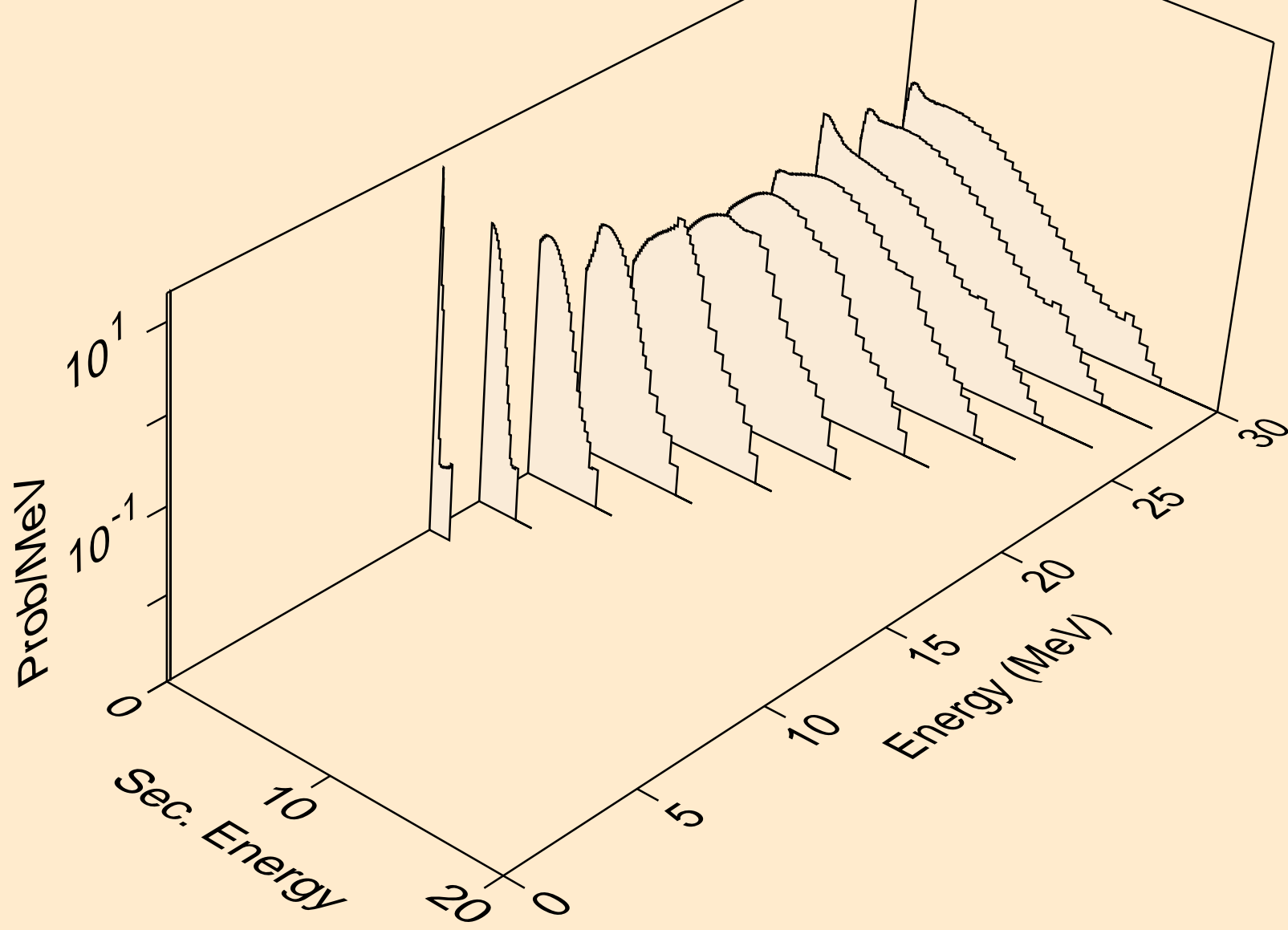
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,2n)a



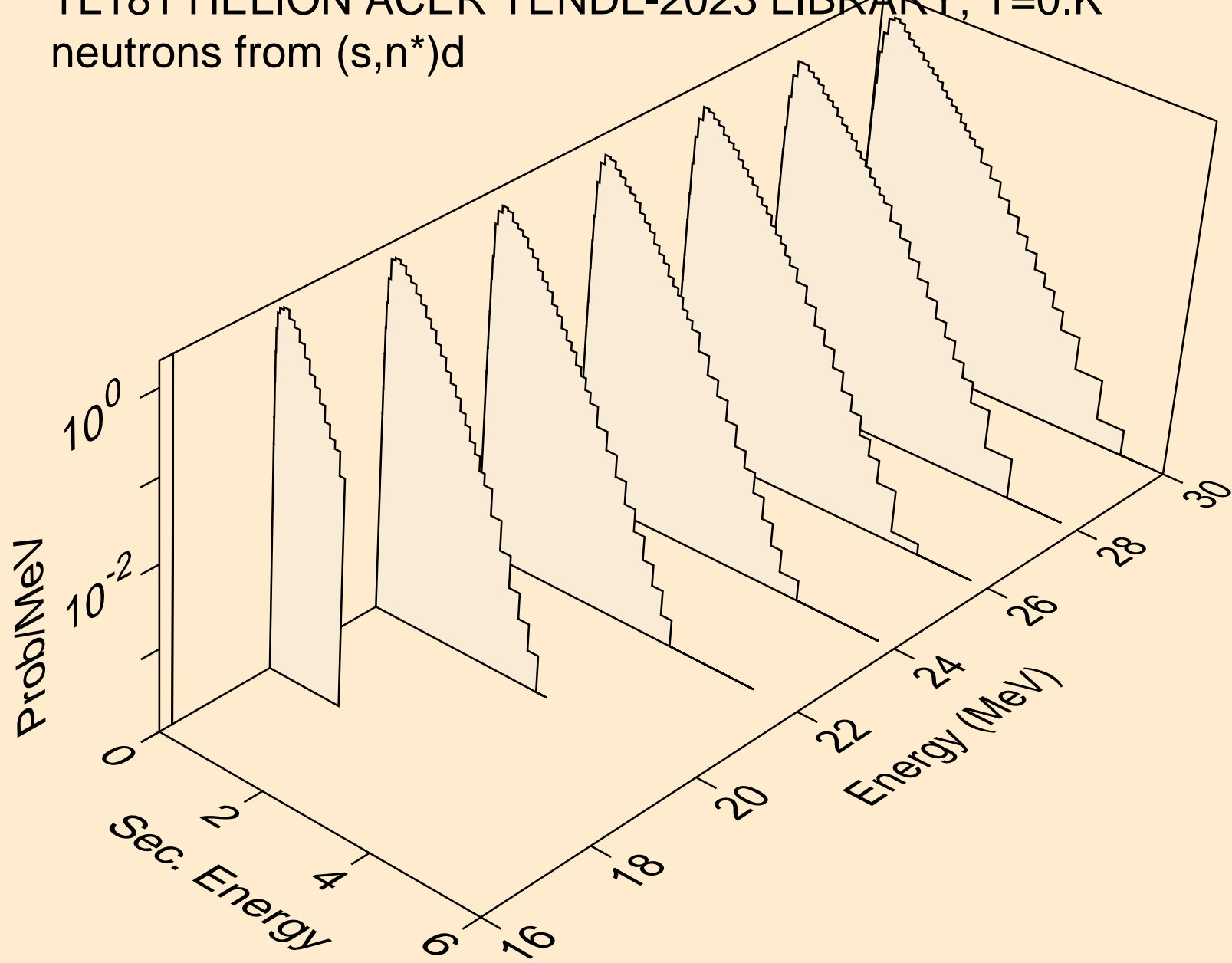
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)p



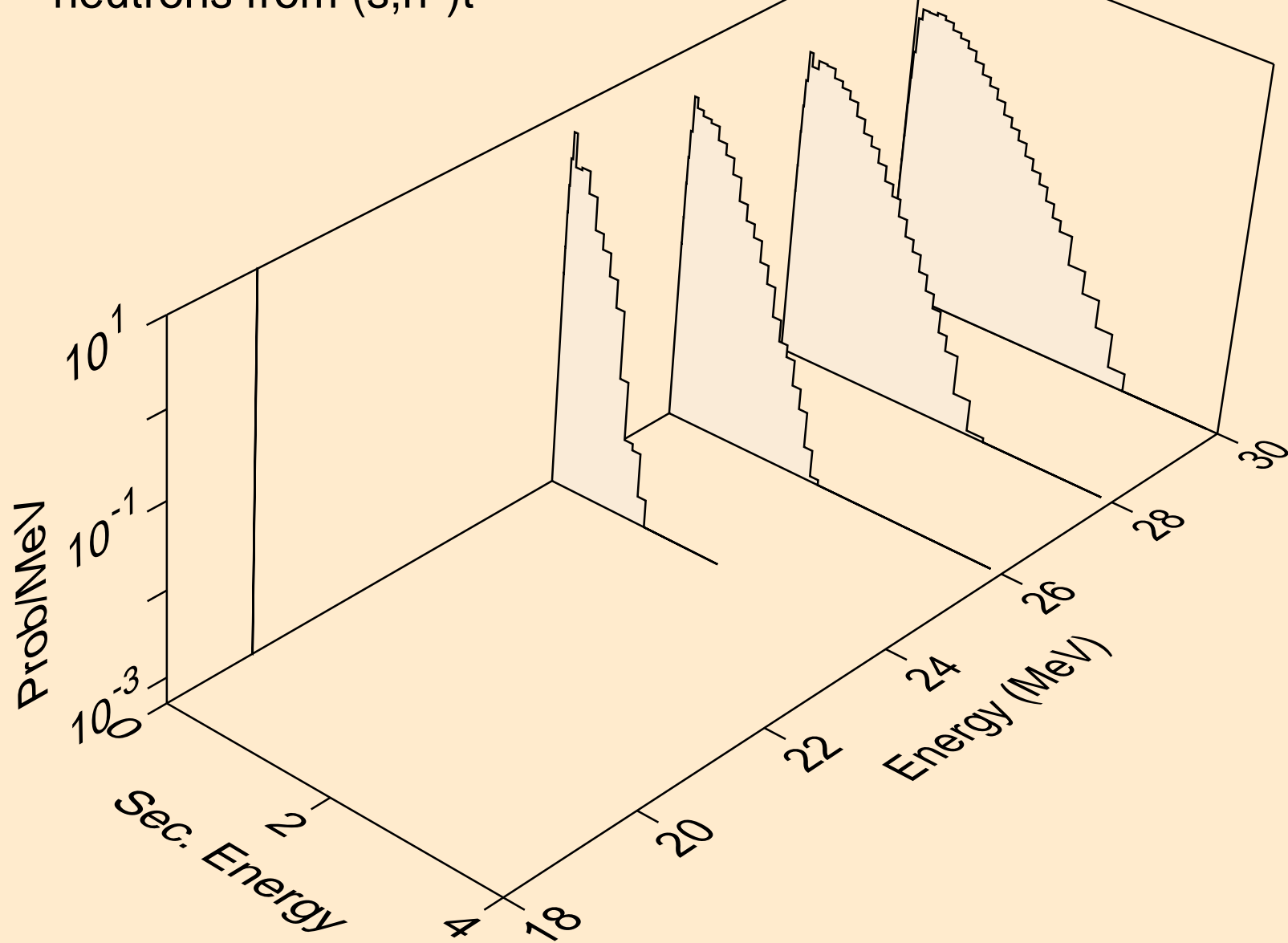
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neutrons from (s,n*)2a



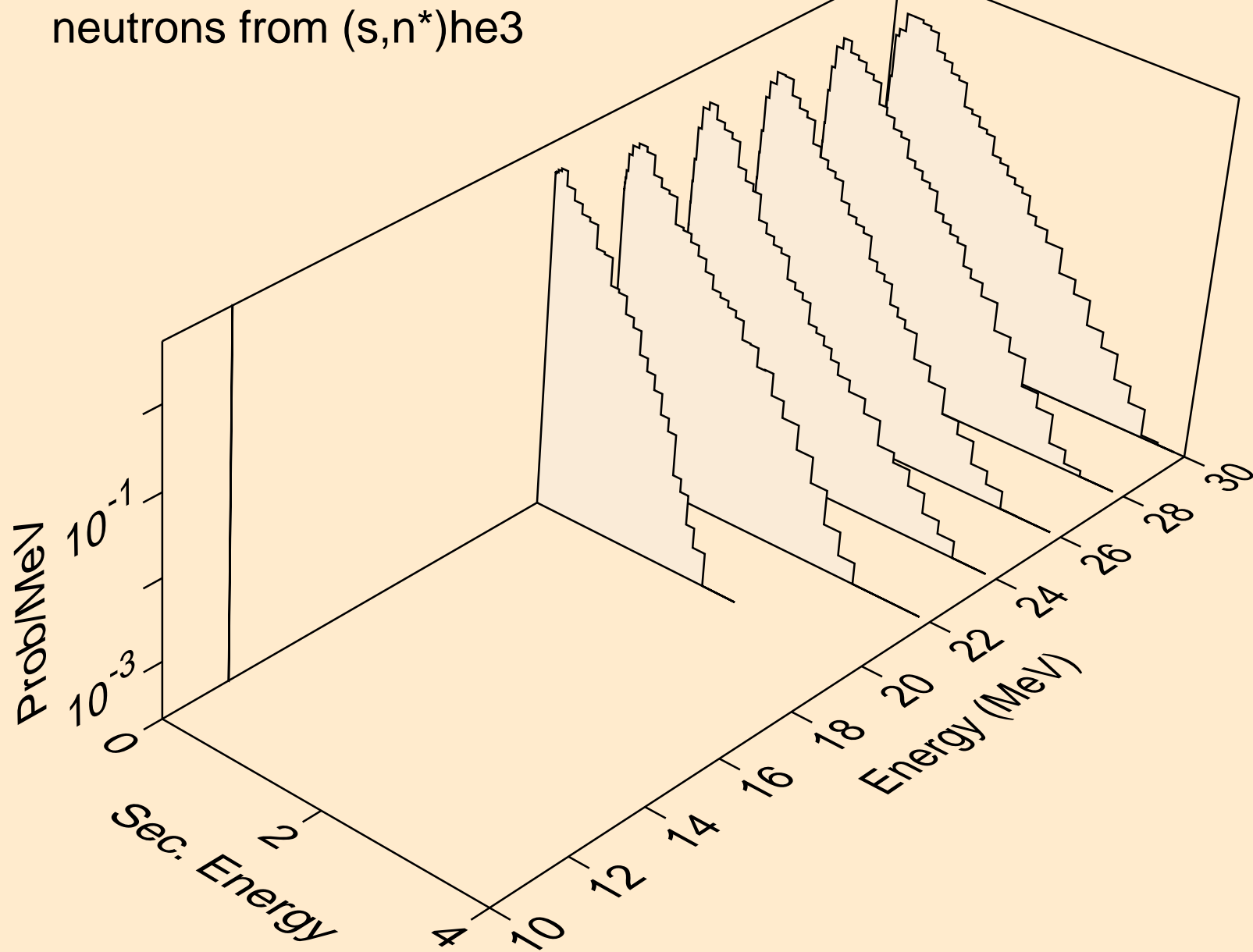
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)d



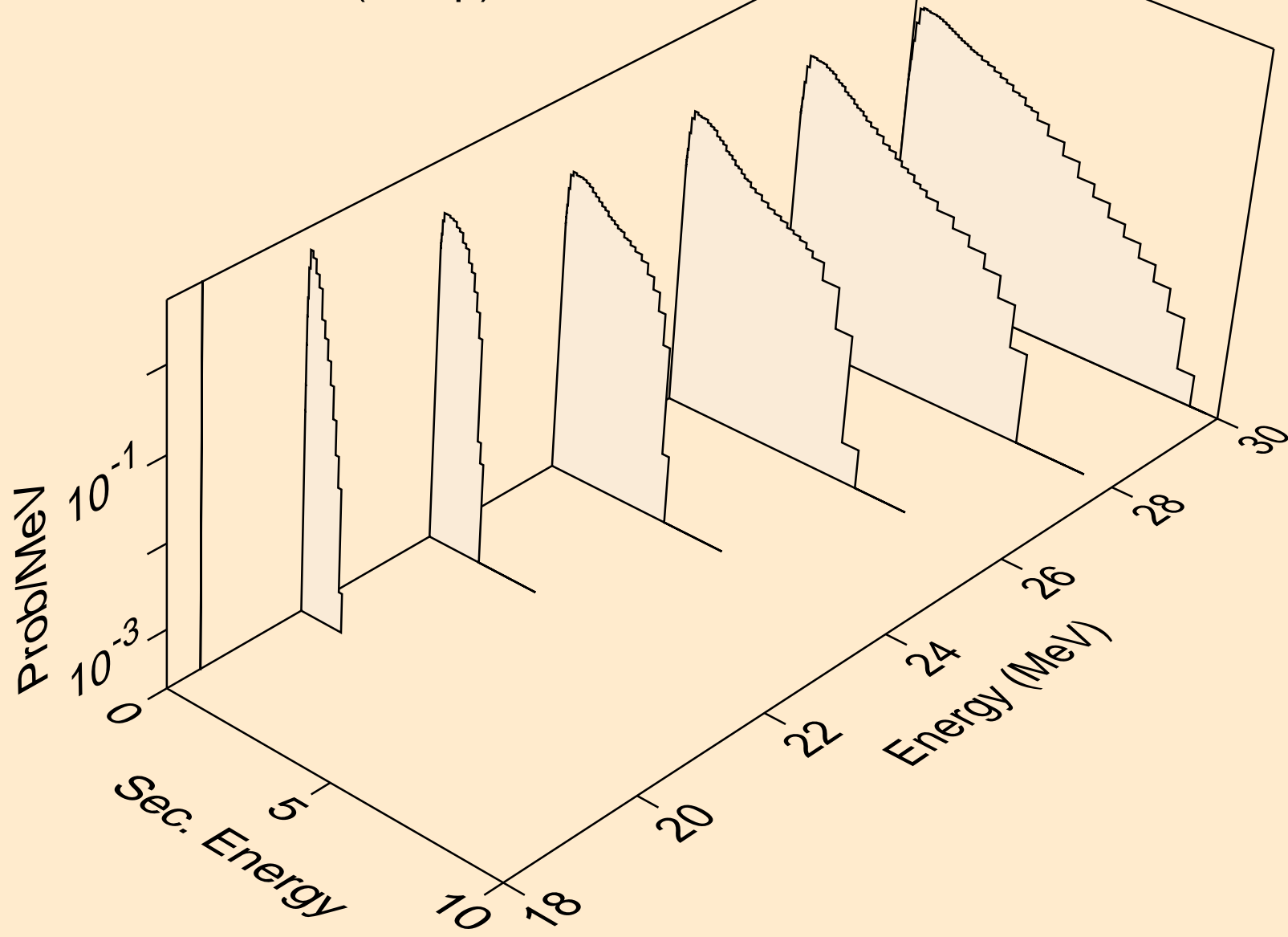
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)t



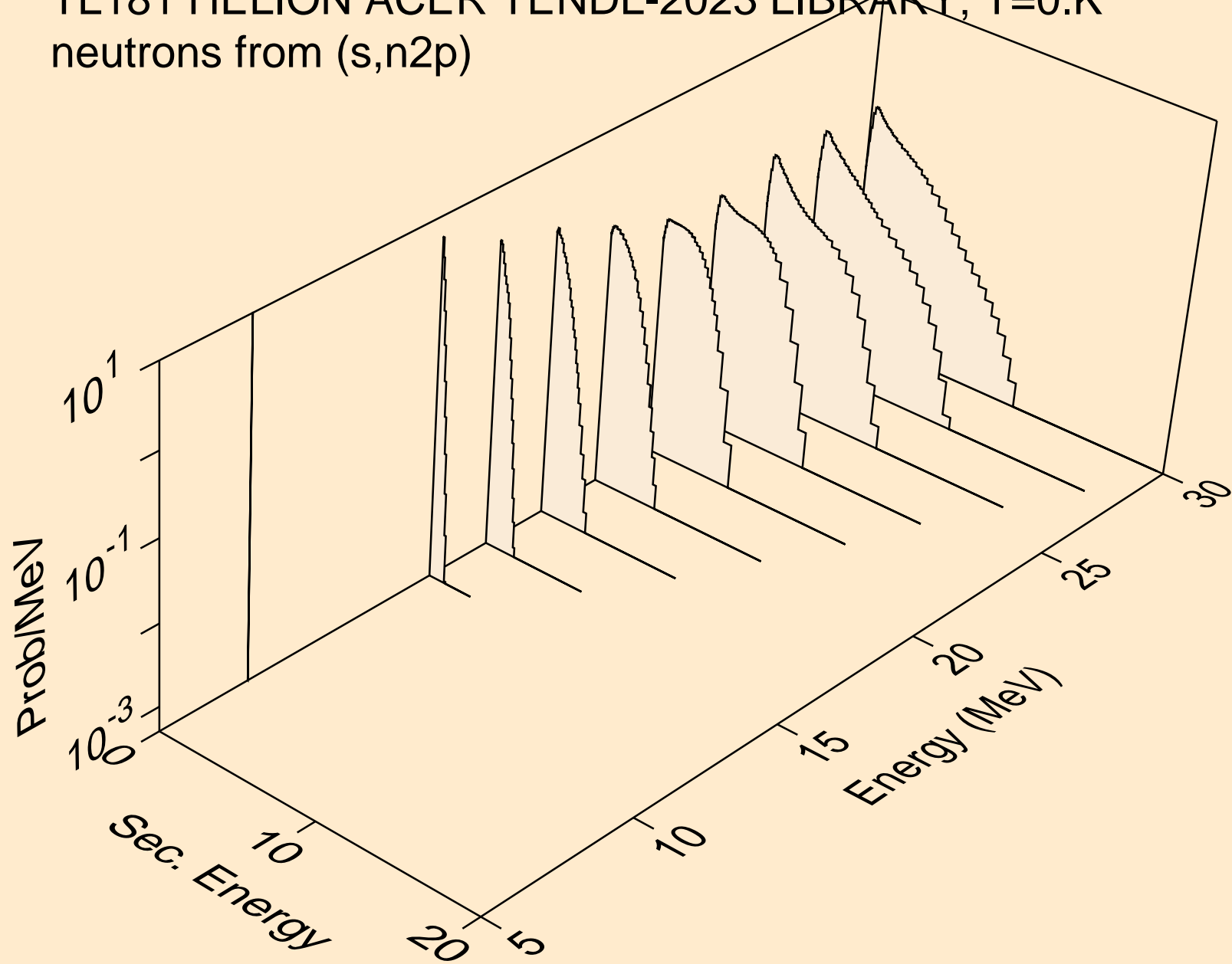
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (s,n*)he3



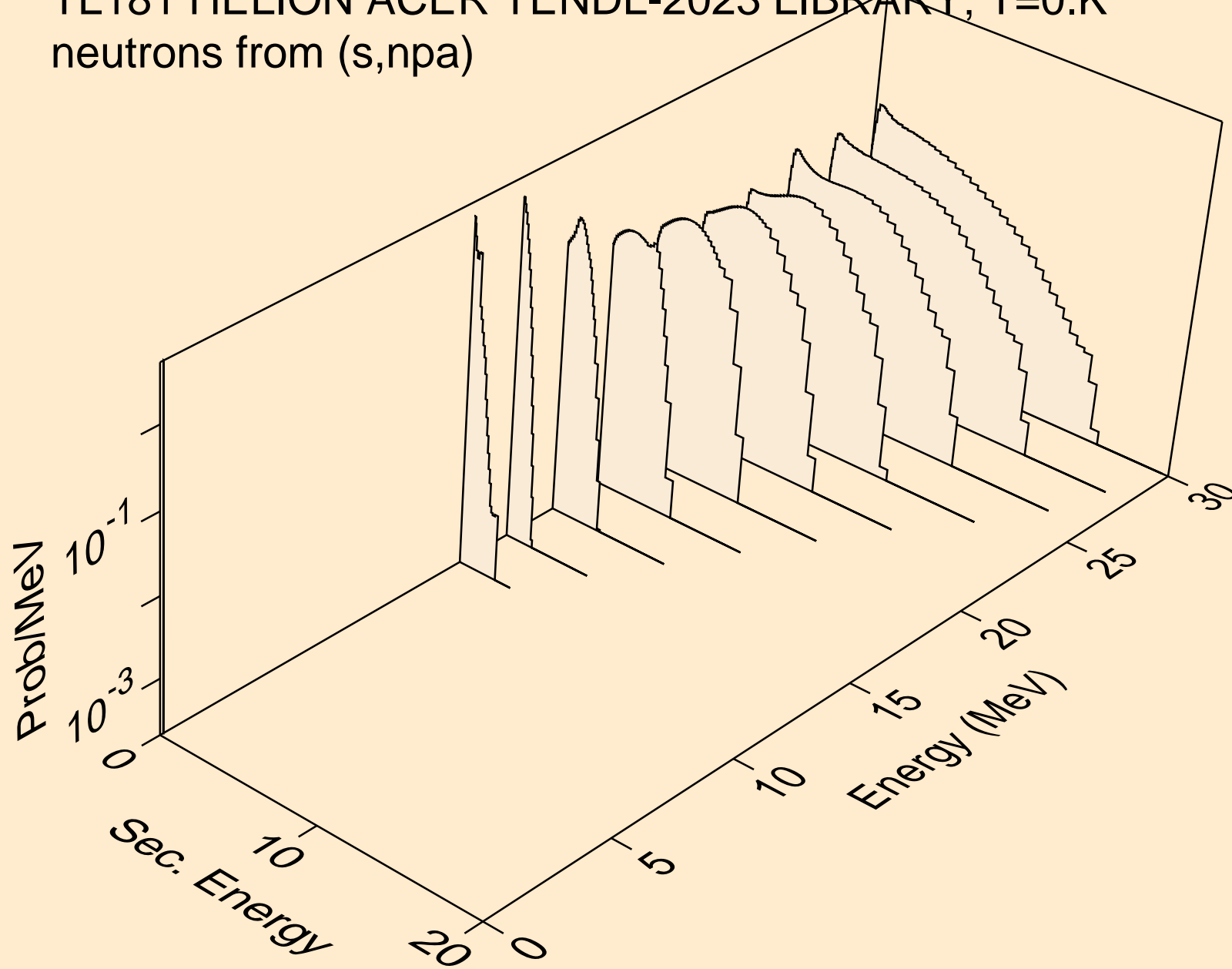
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neutrons from (s,2np)



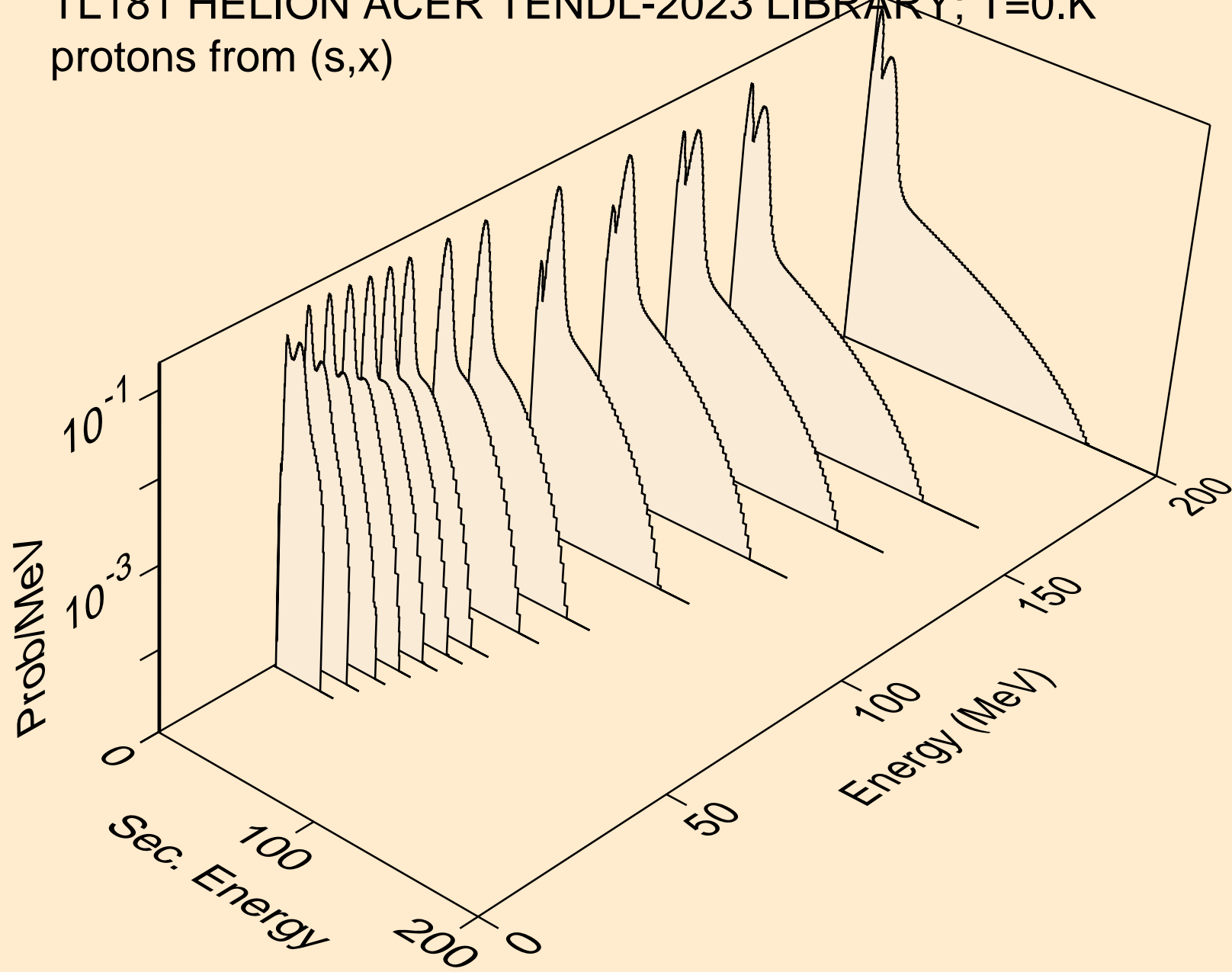
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neutrons from (s,n2p)



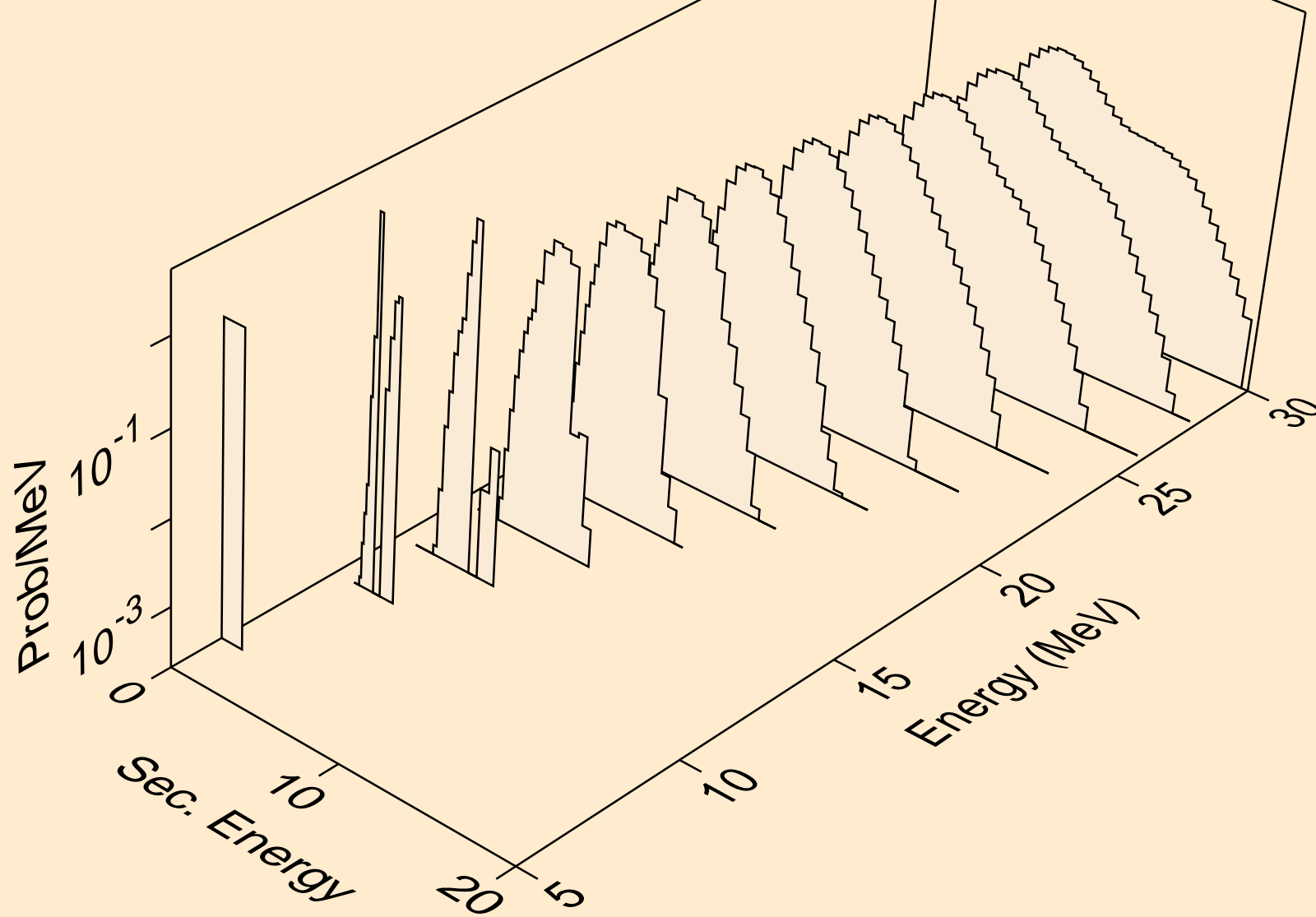
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neutrons from (s,npa)



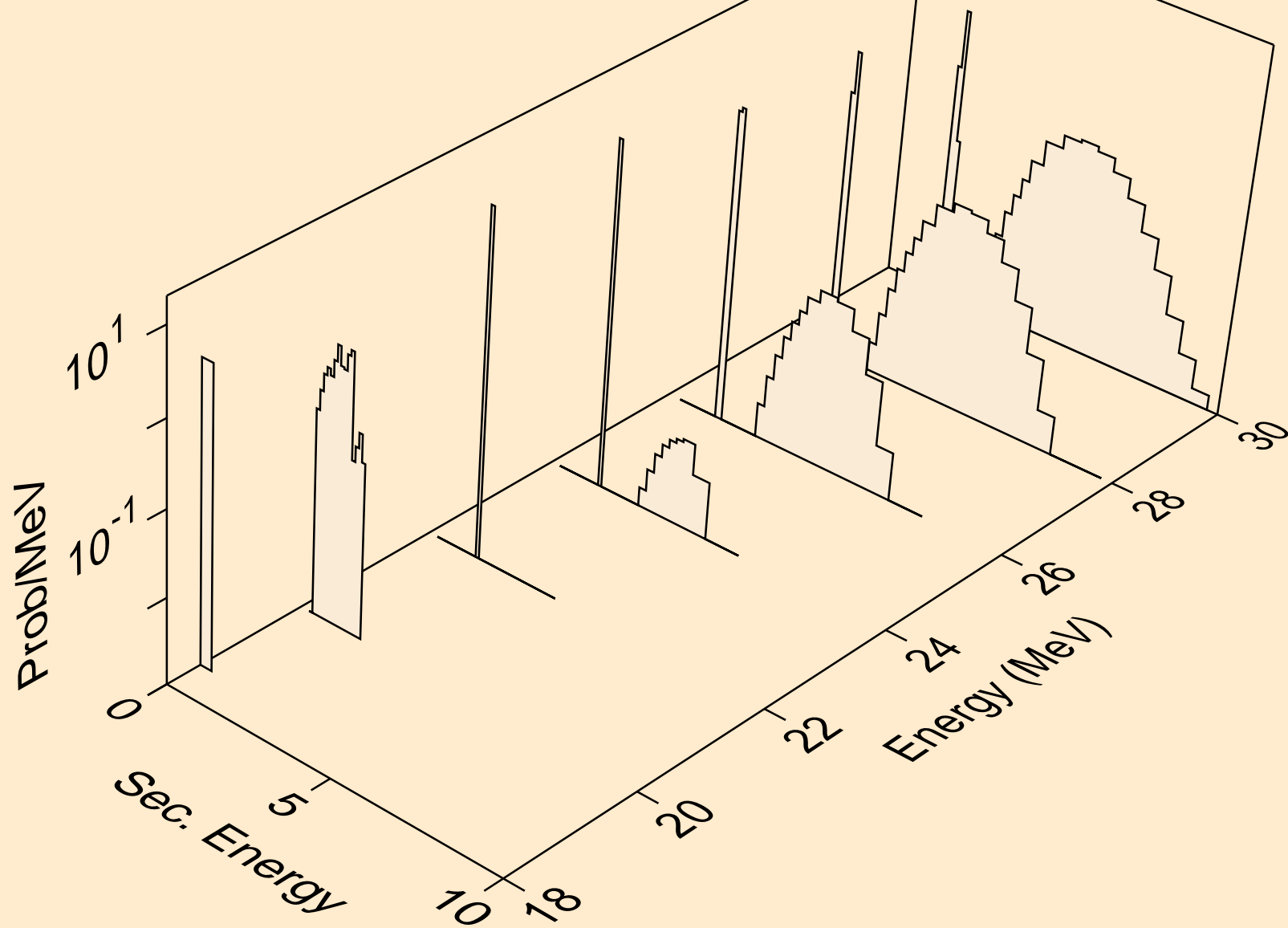
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protons from (s,x)



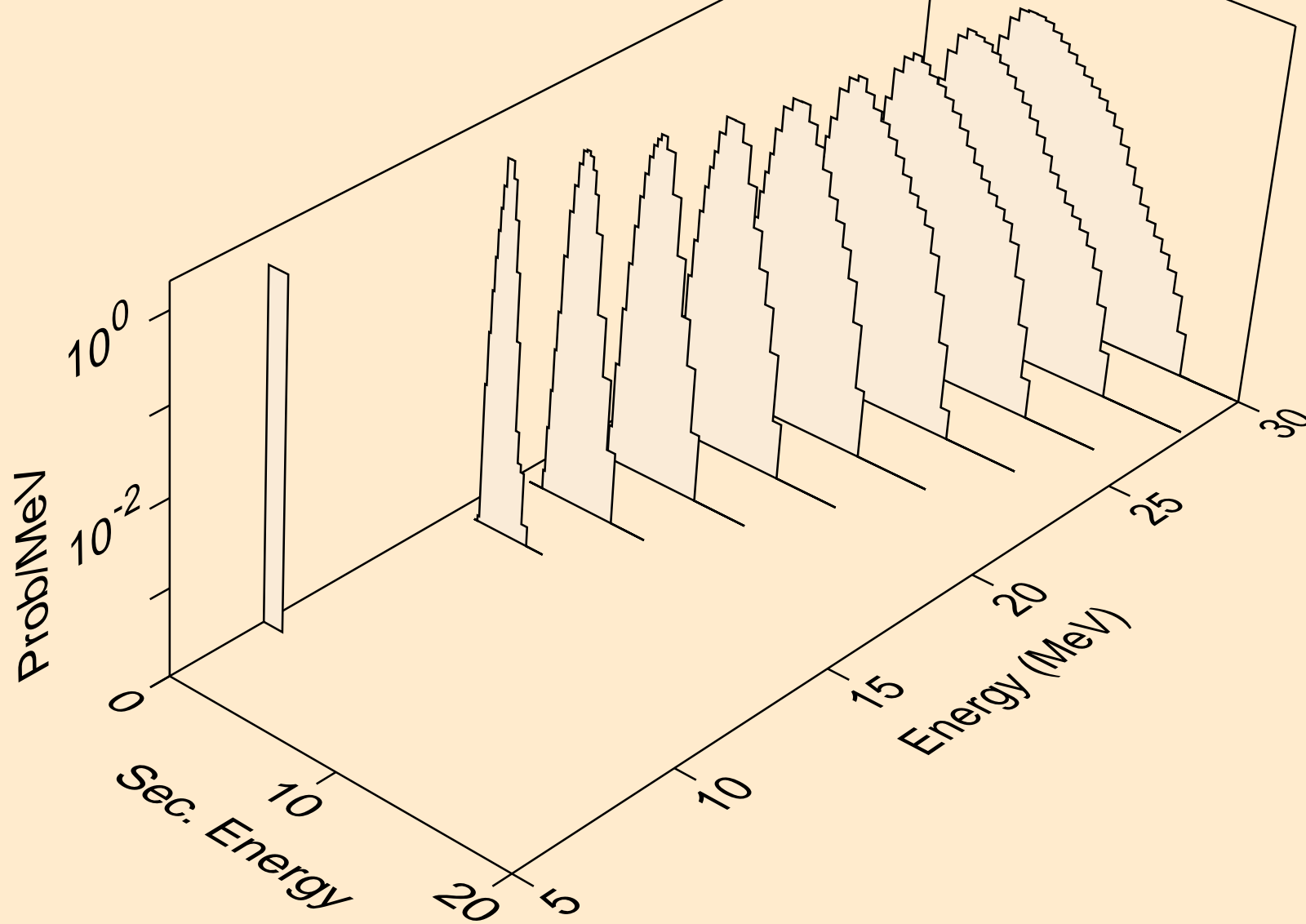
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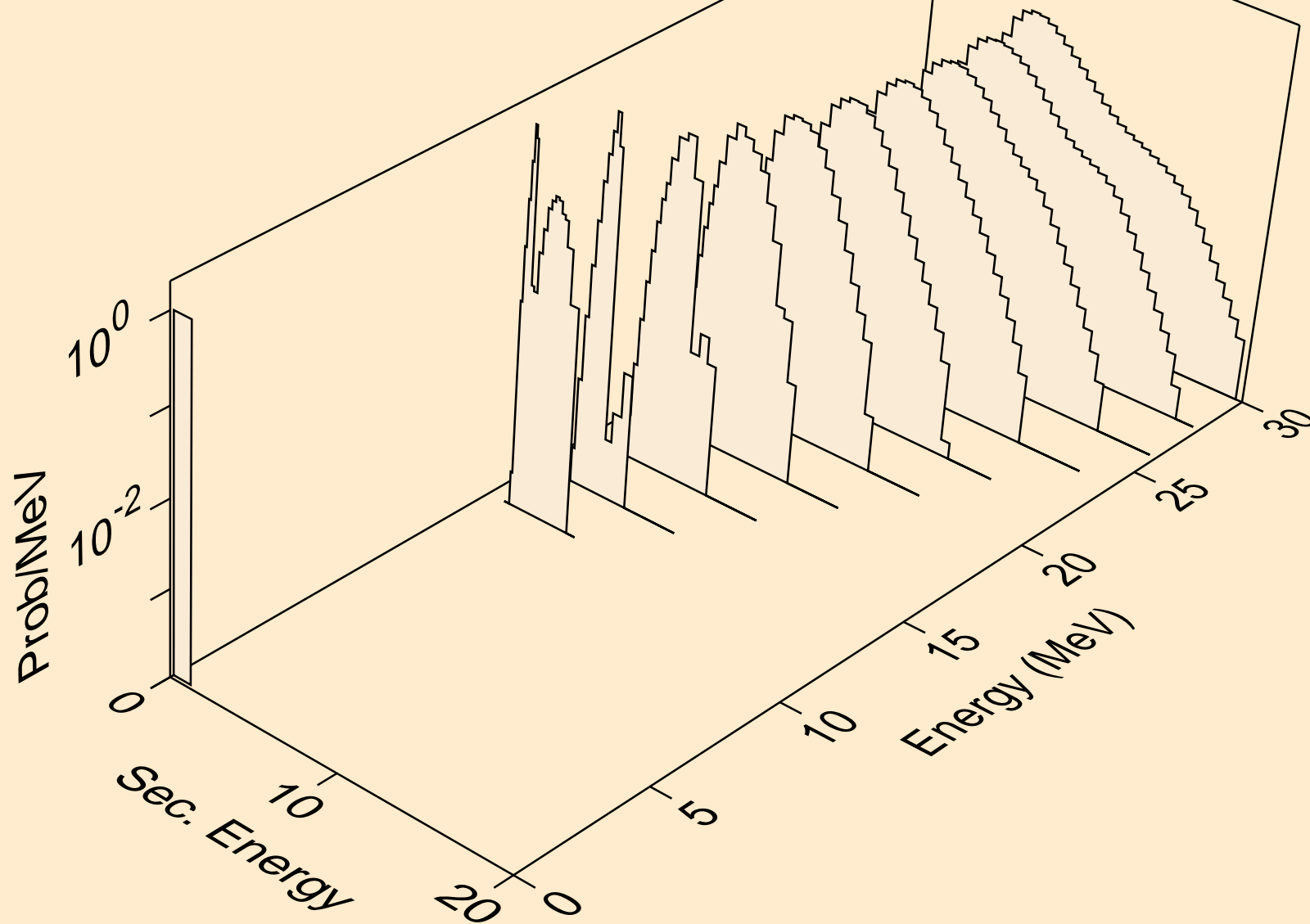
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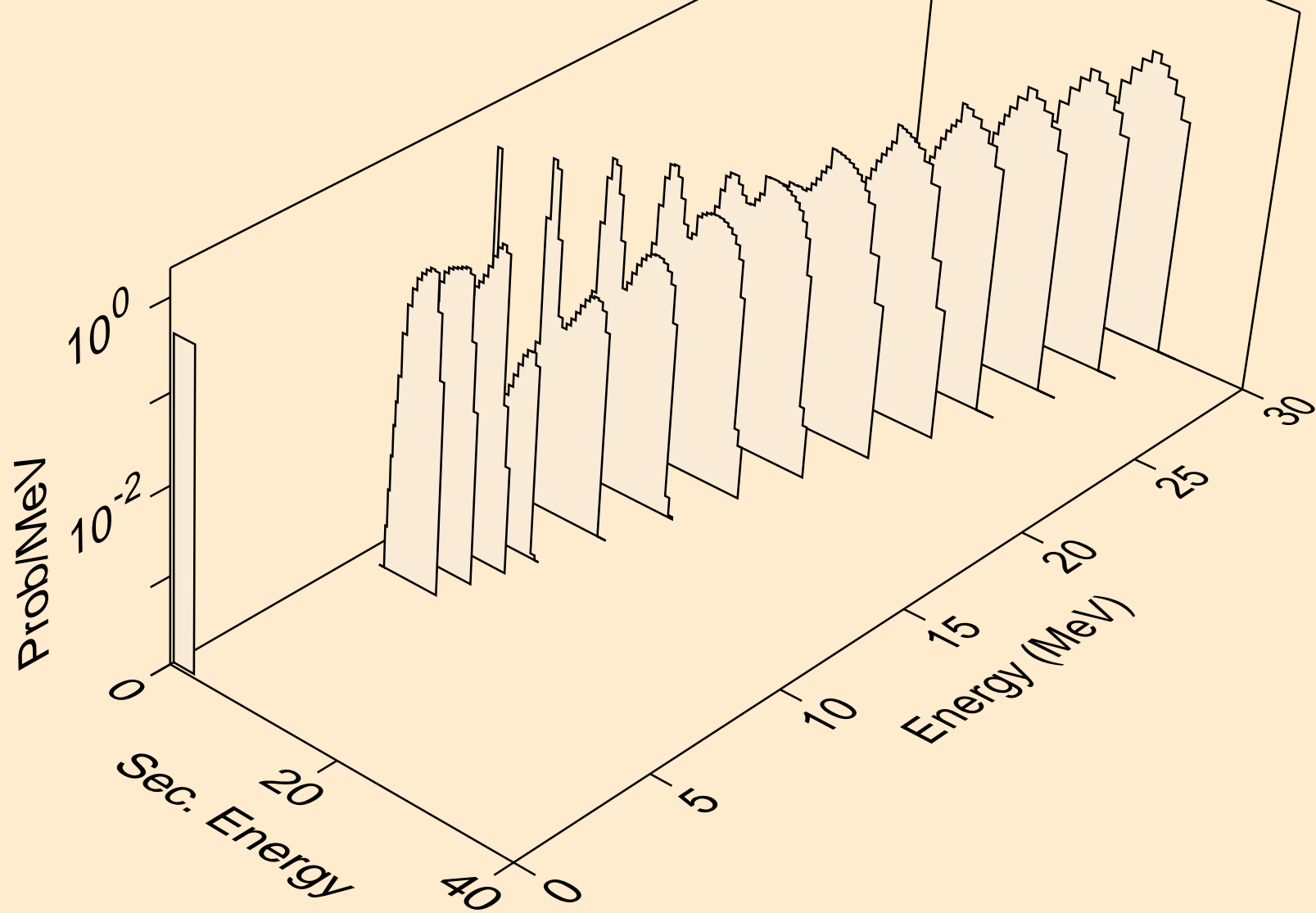
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protons from (s,n2p)



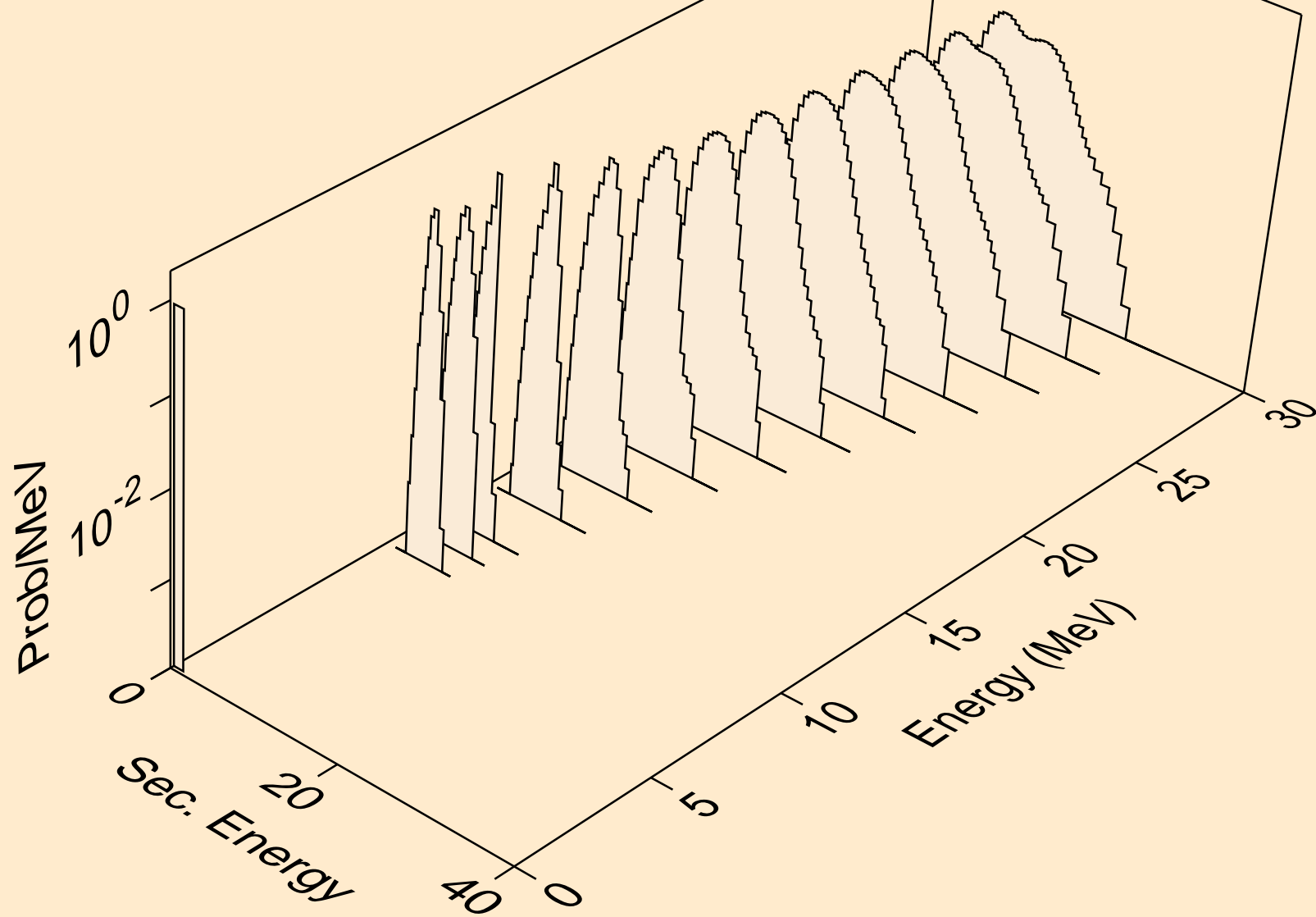
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protons from (s,npa)



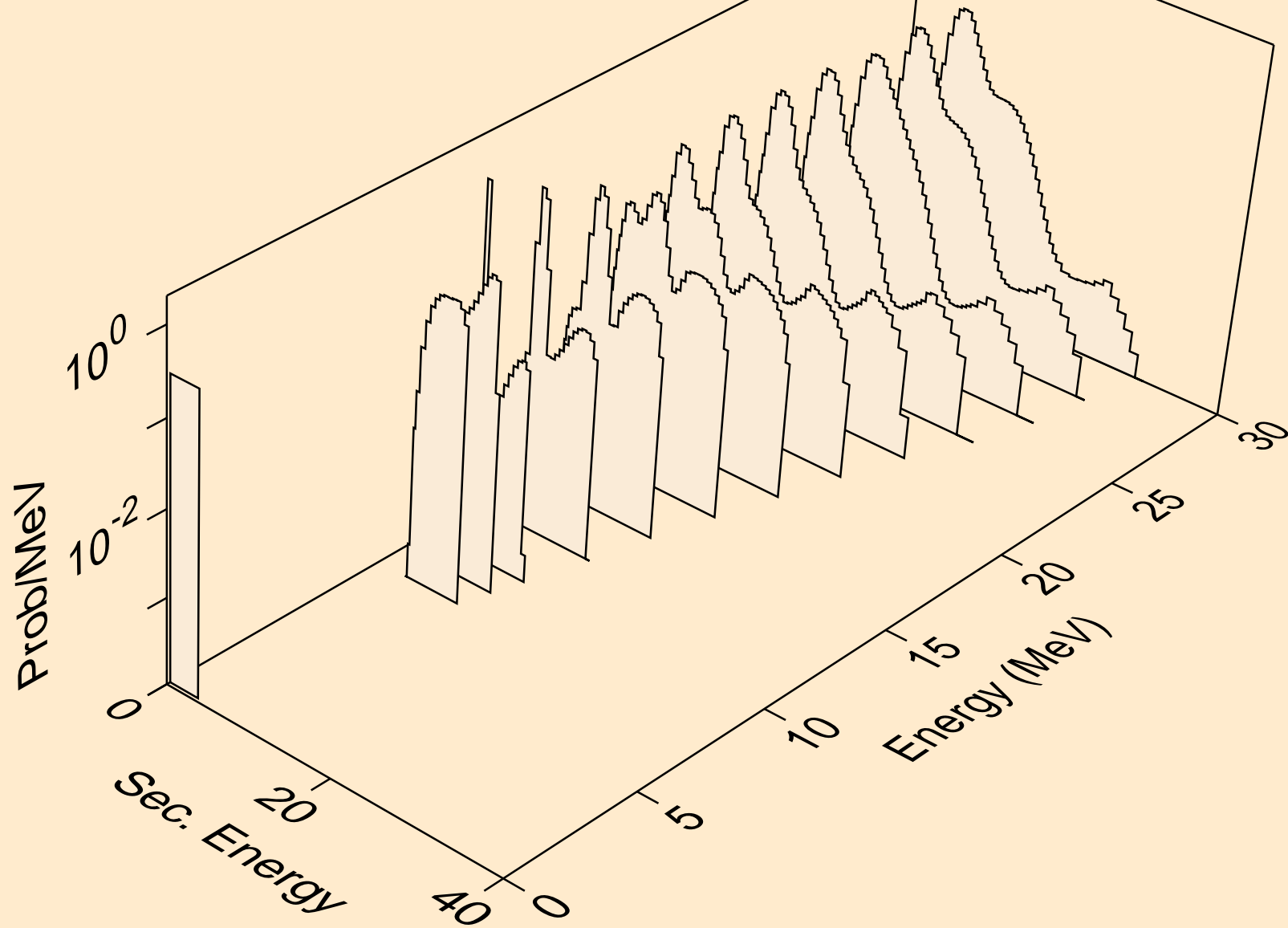
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protons from (s,p)



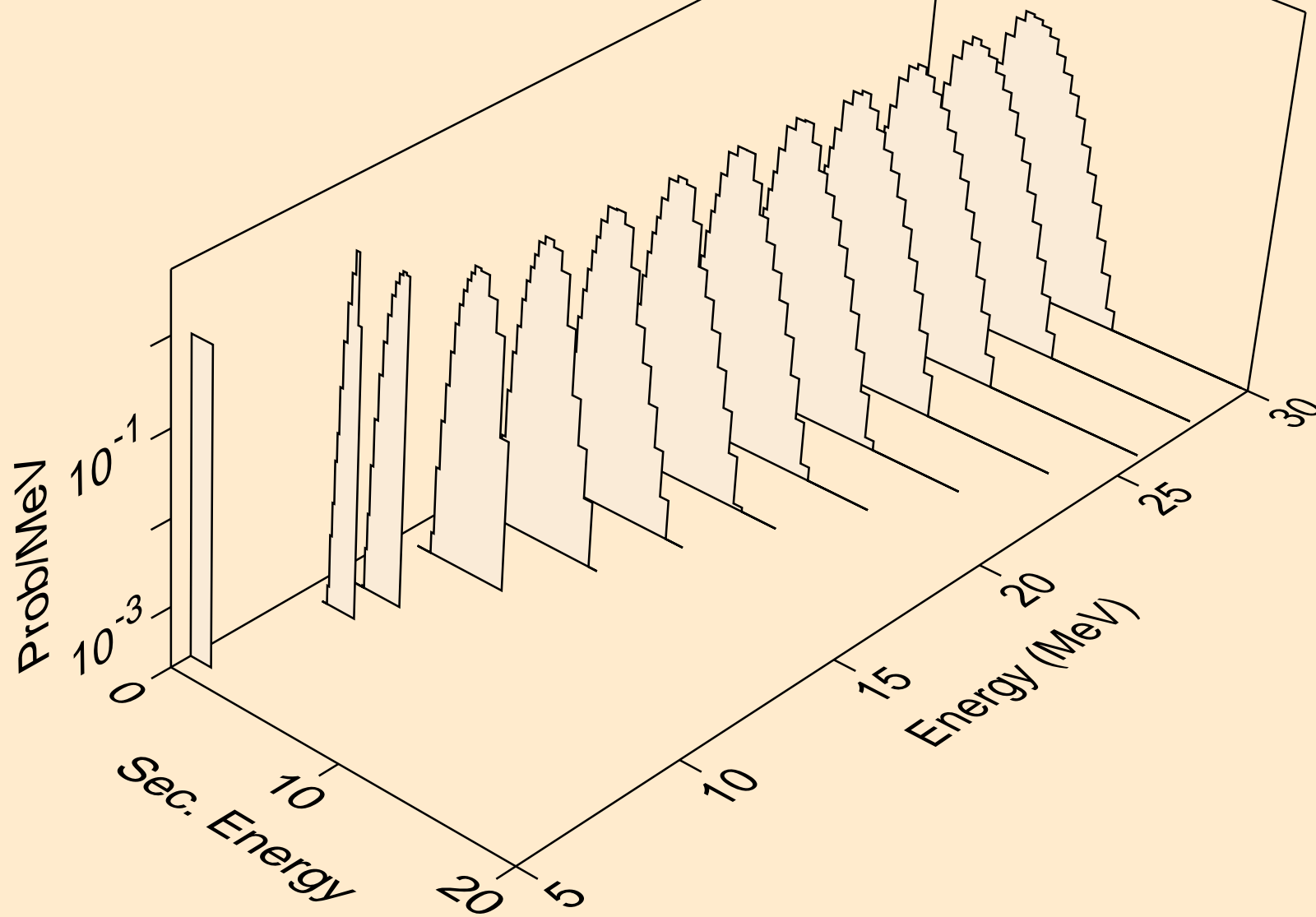
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,2p)



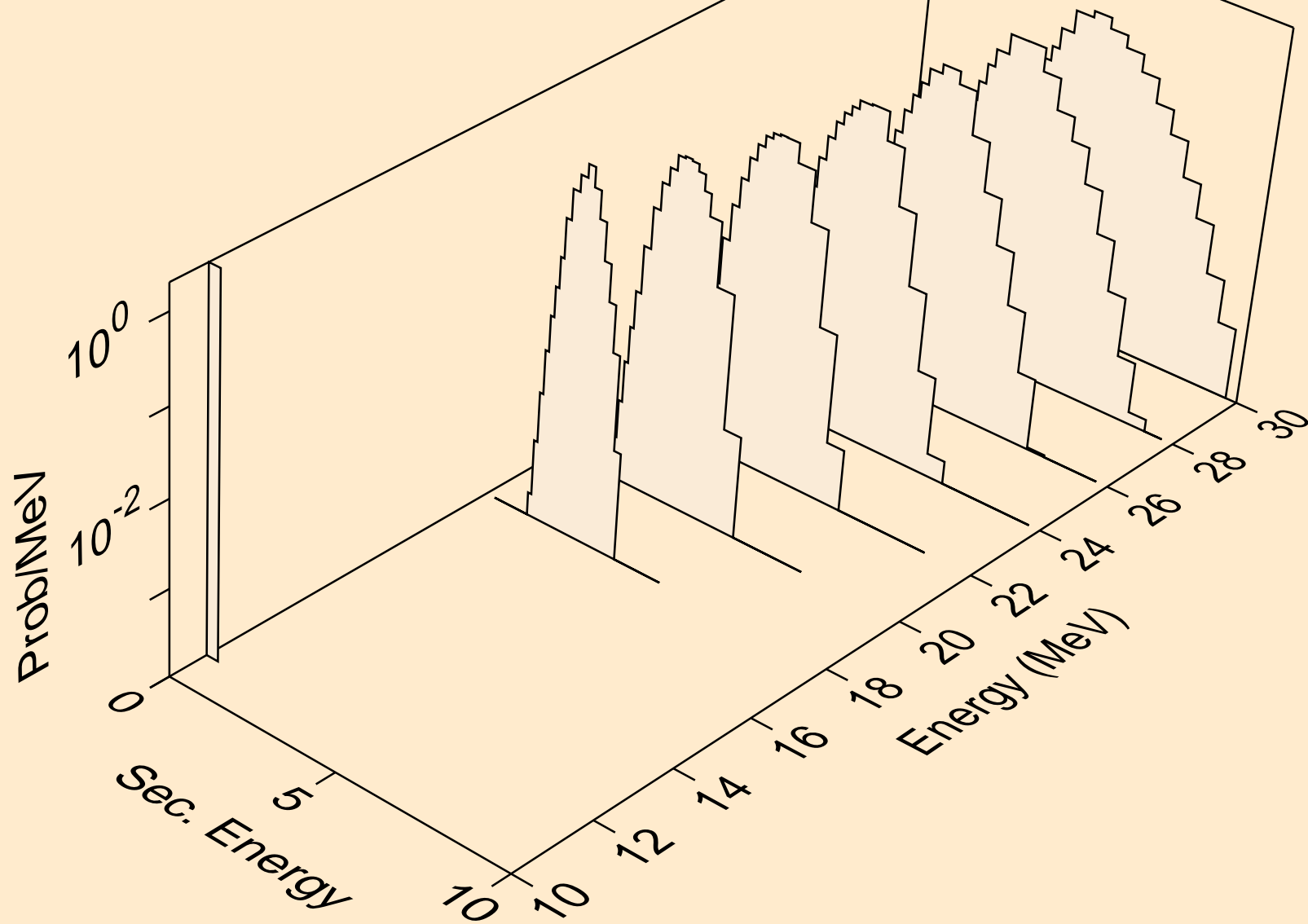
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pa)



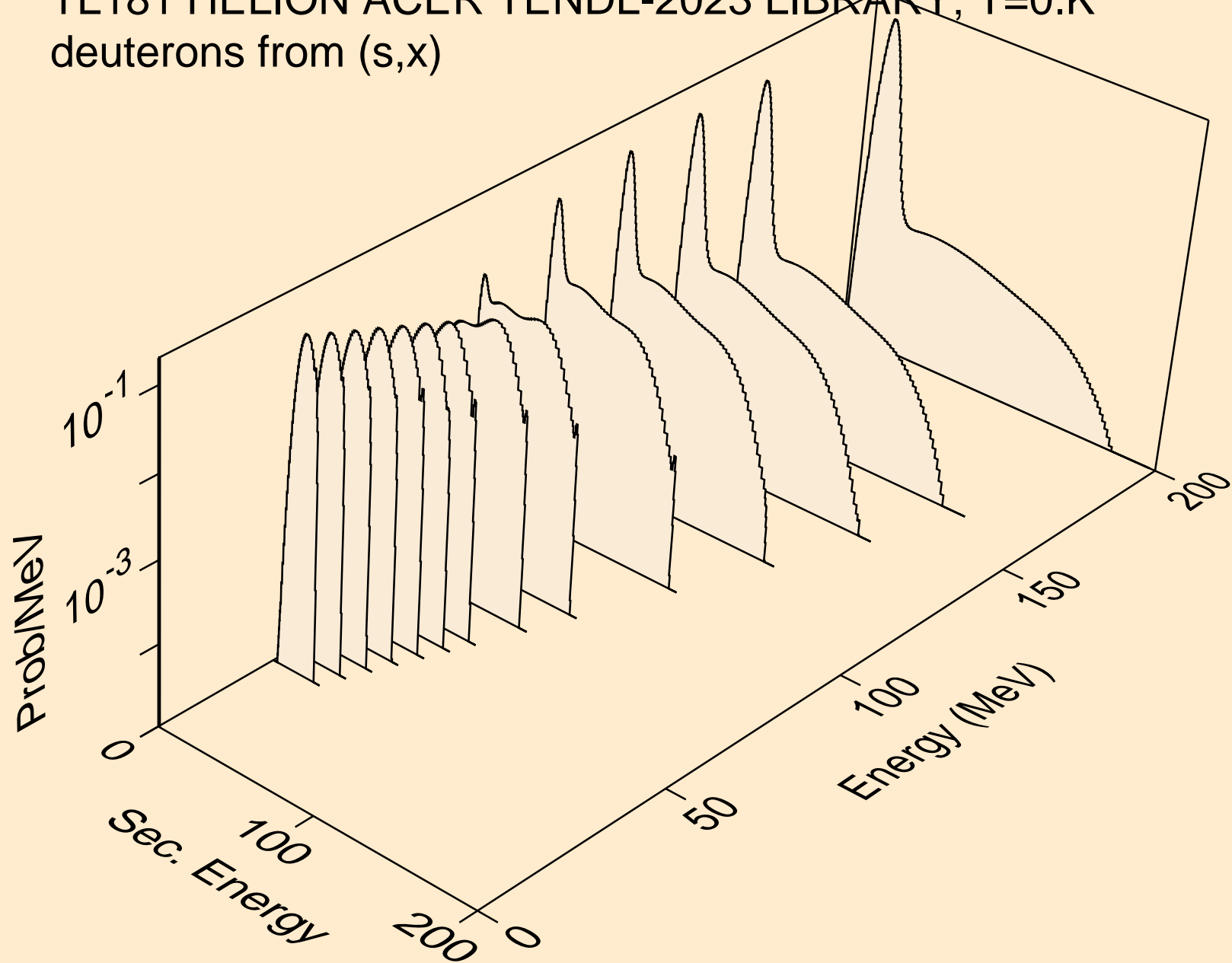
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pd)



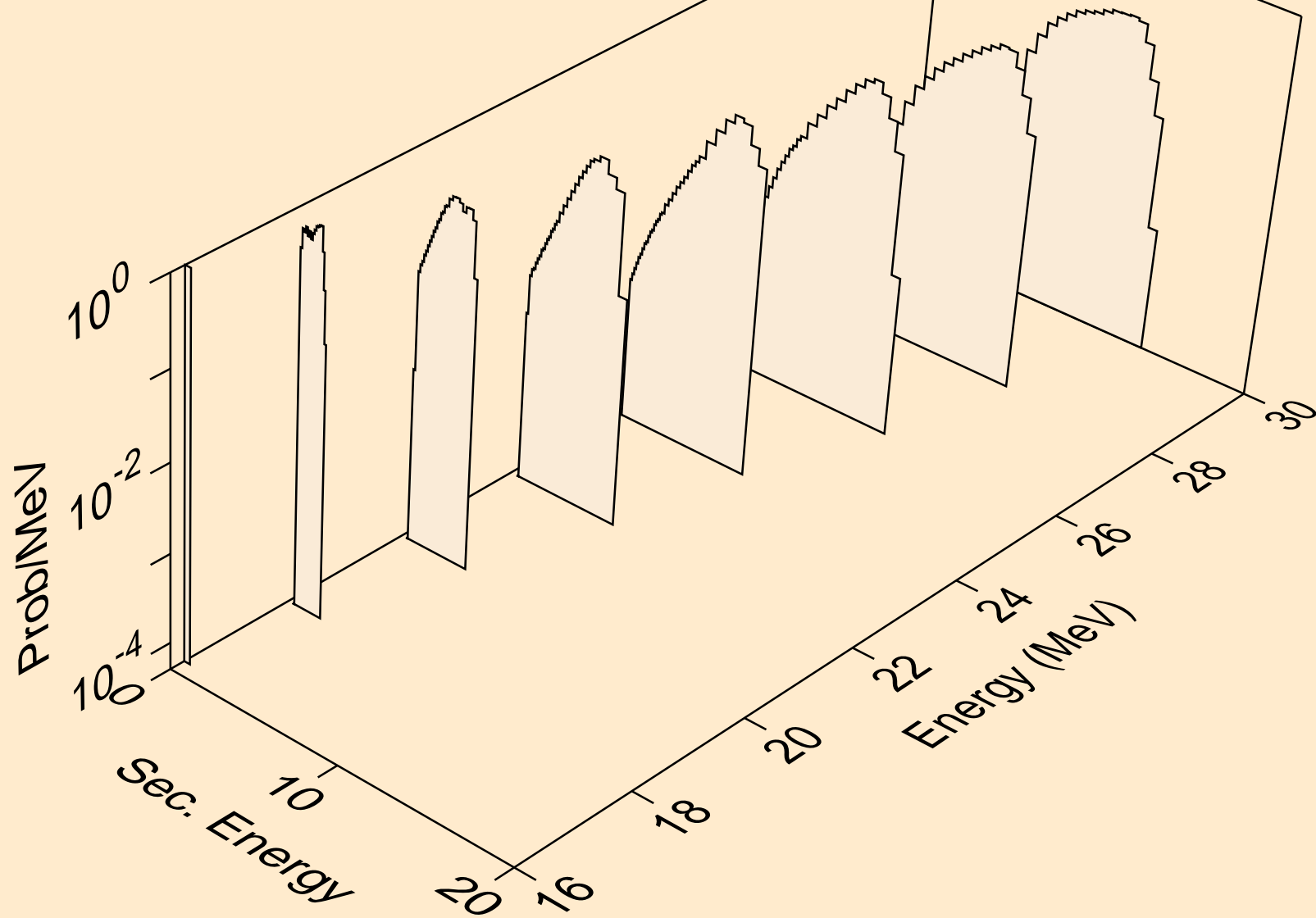
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
protons from (s,pt)



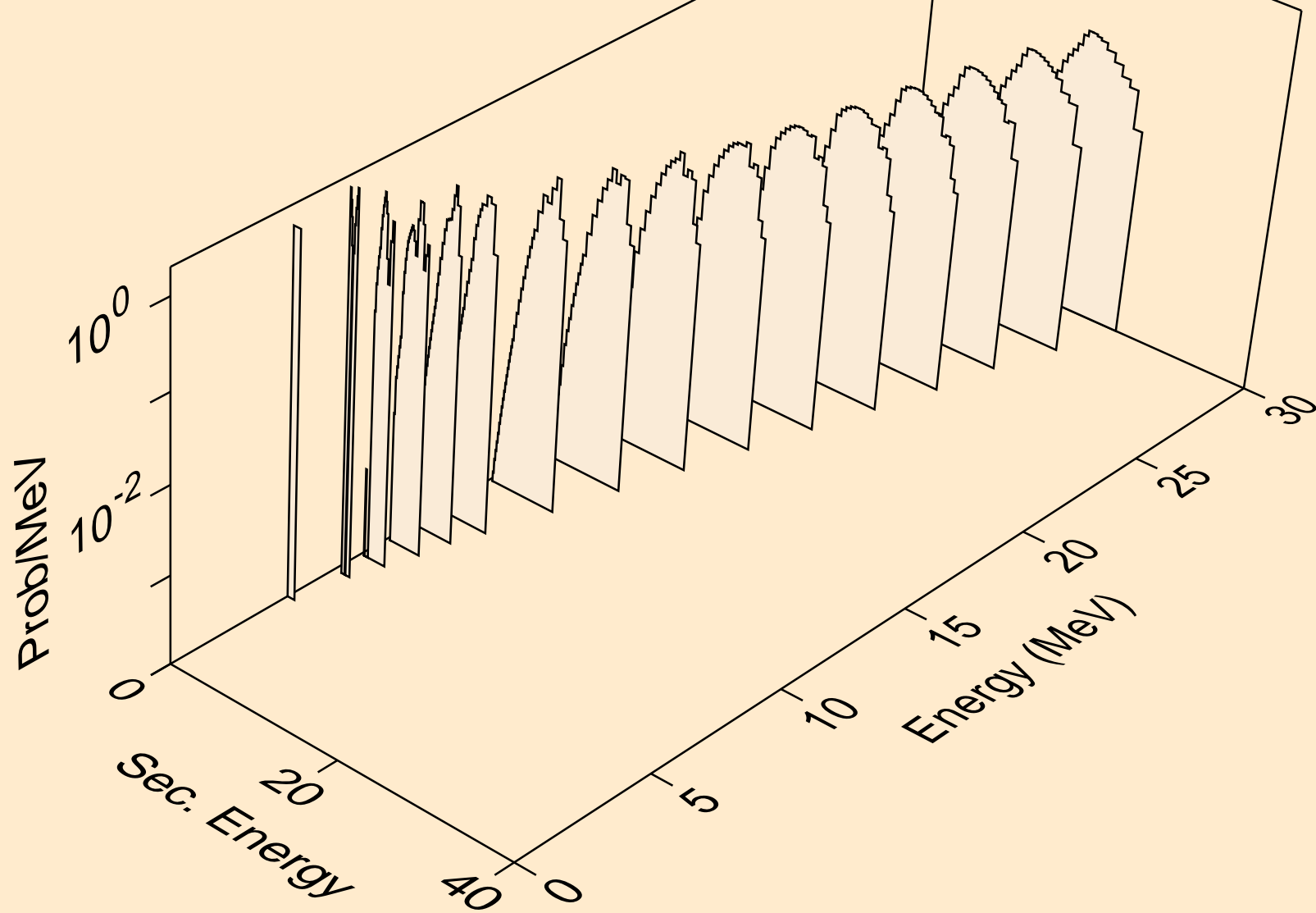
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,x)



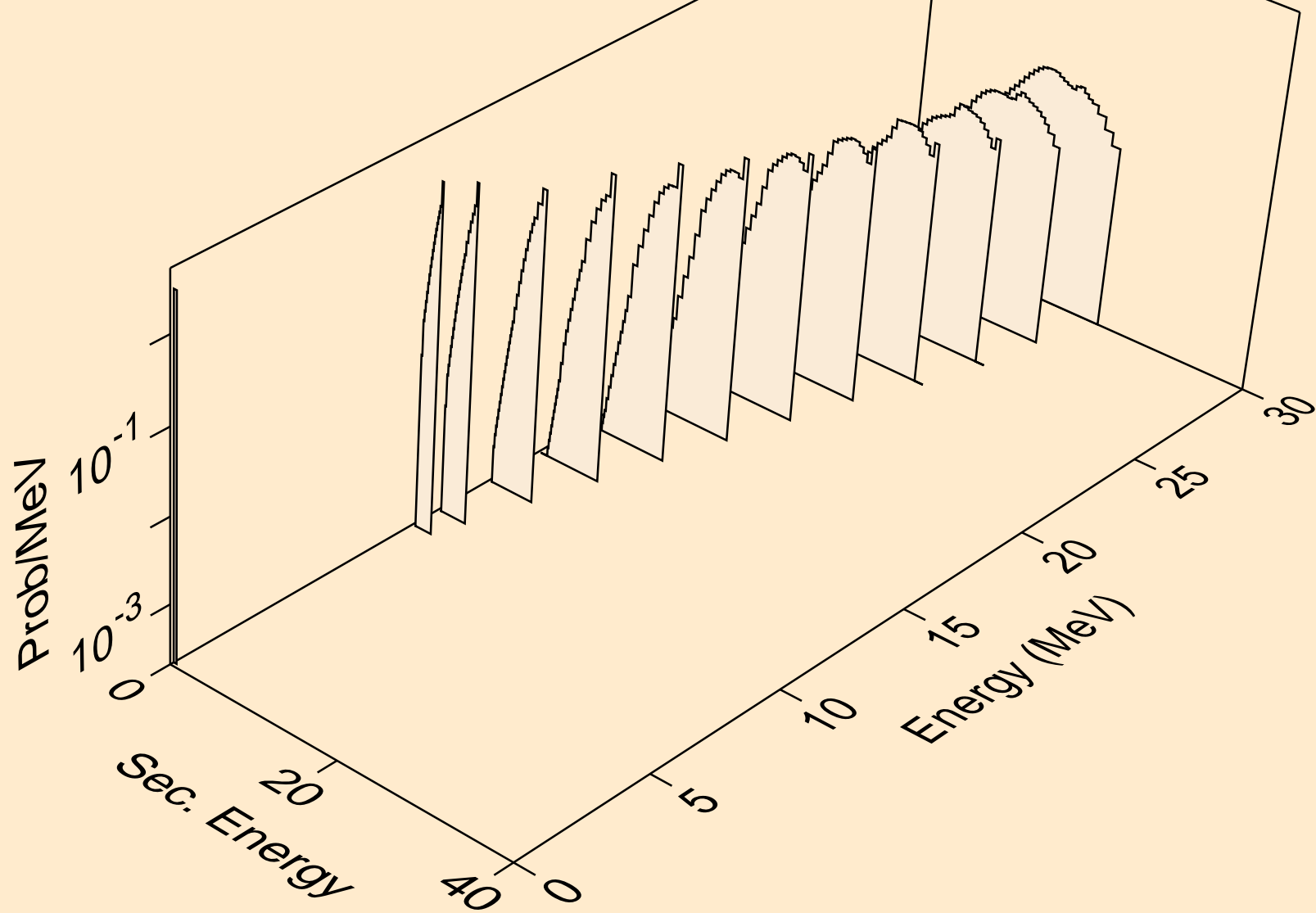
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,n*)d



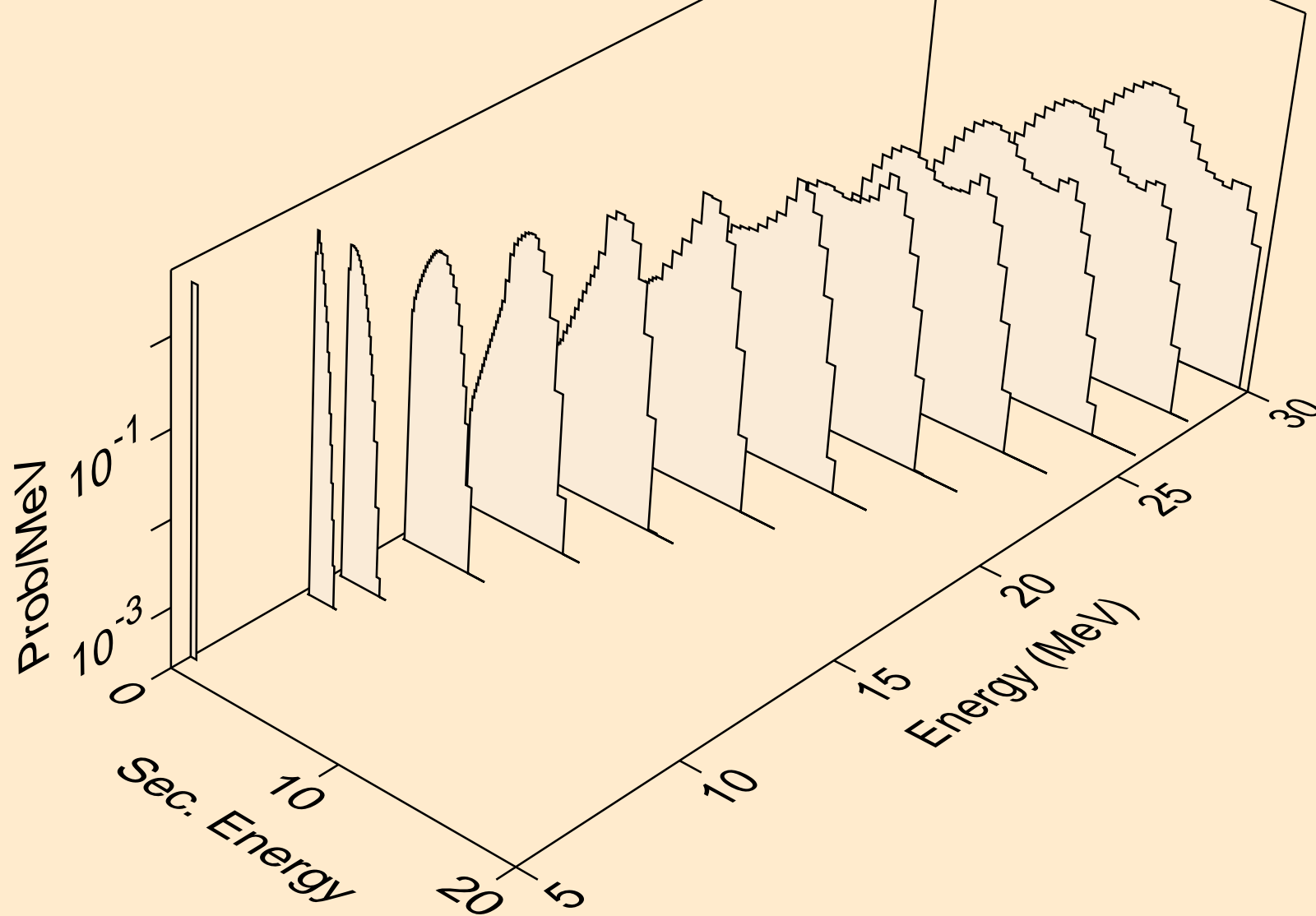
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,d)



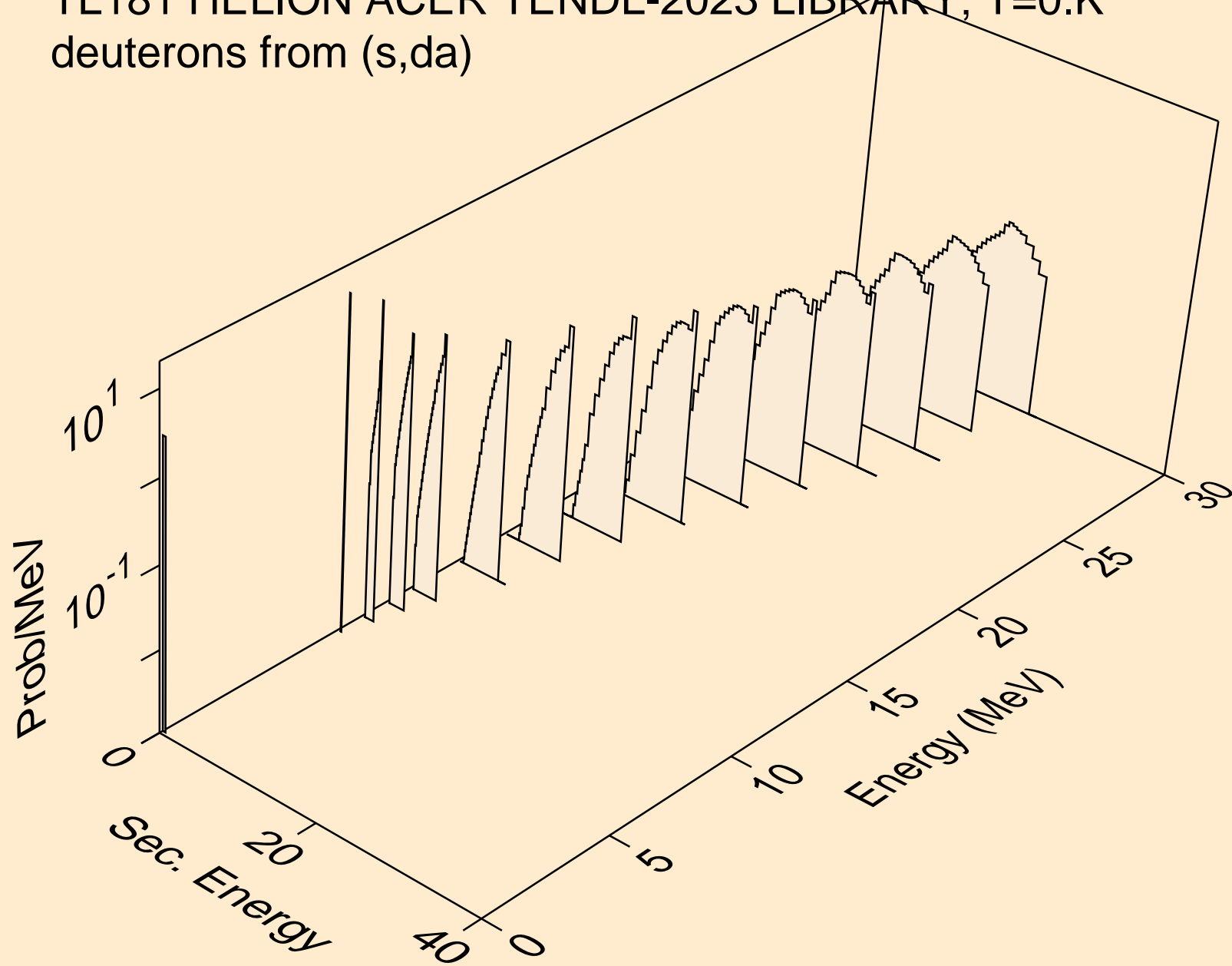
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,d2a)



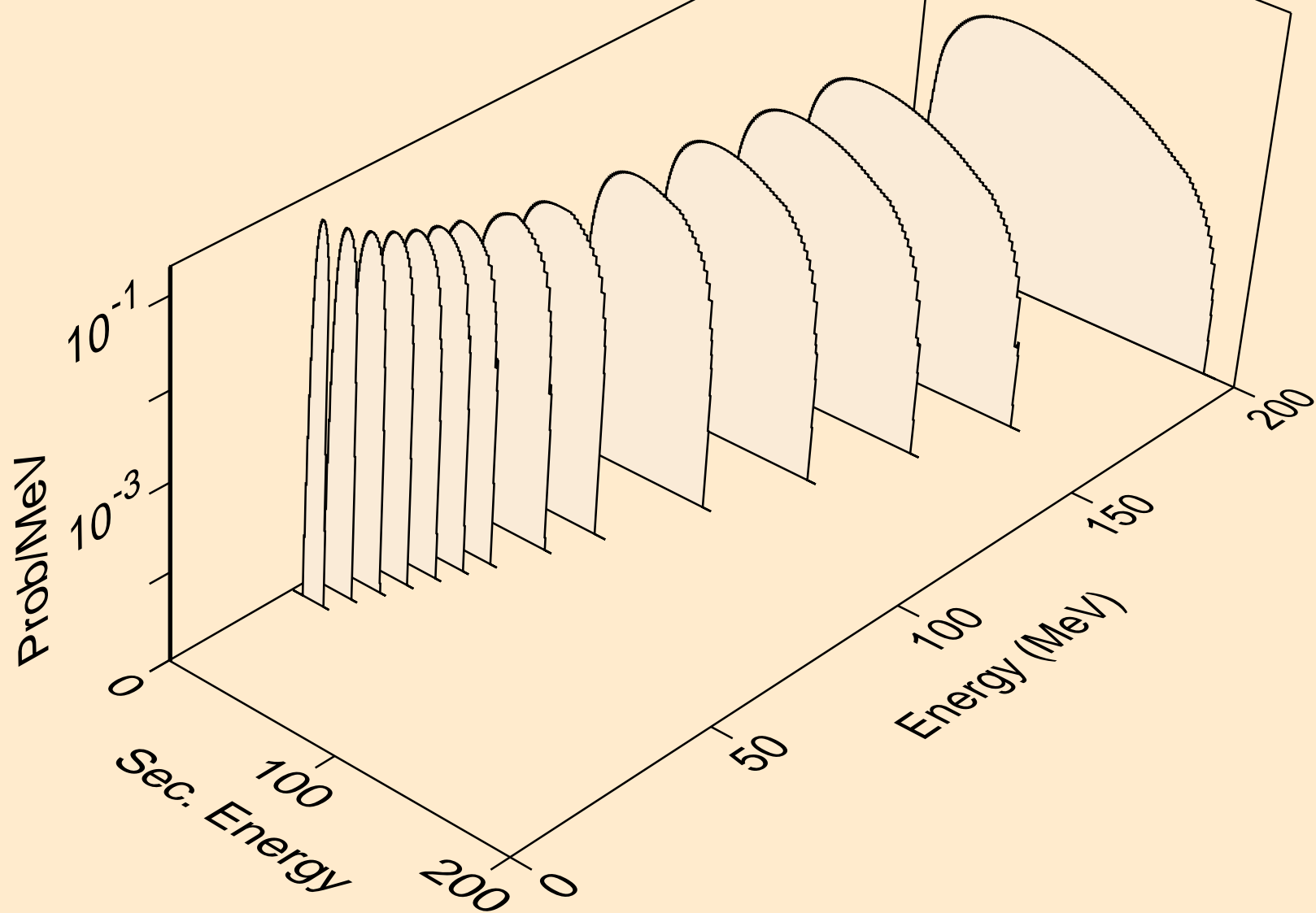
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (s,pd)



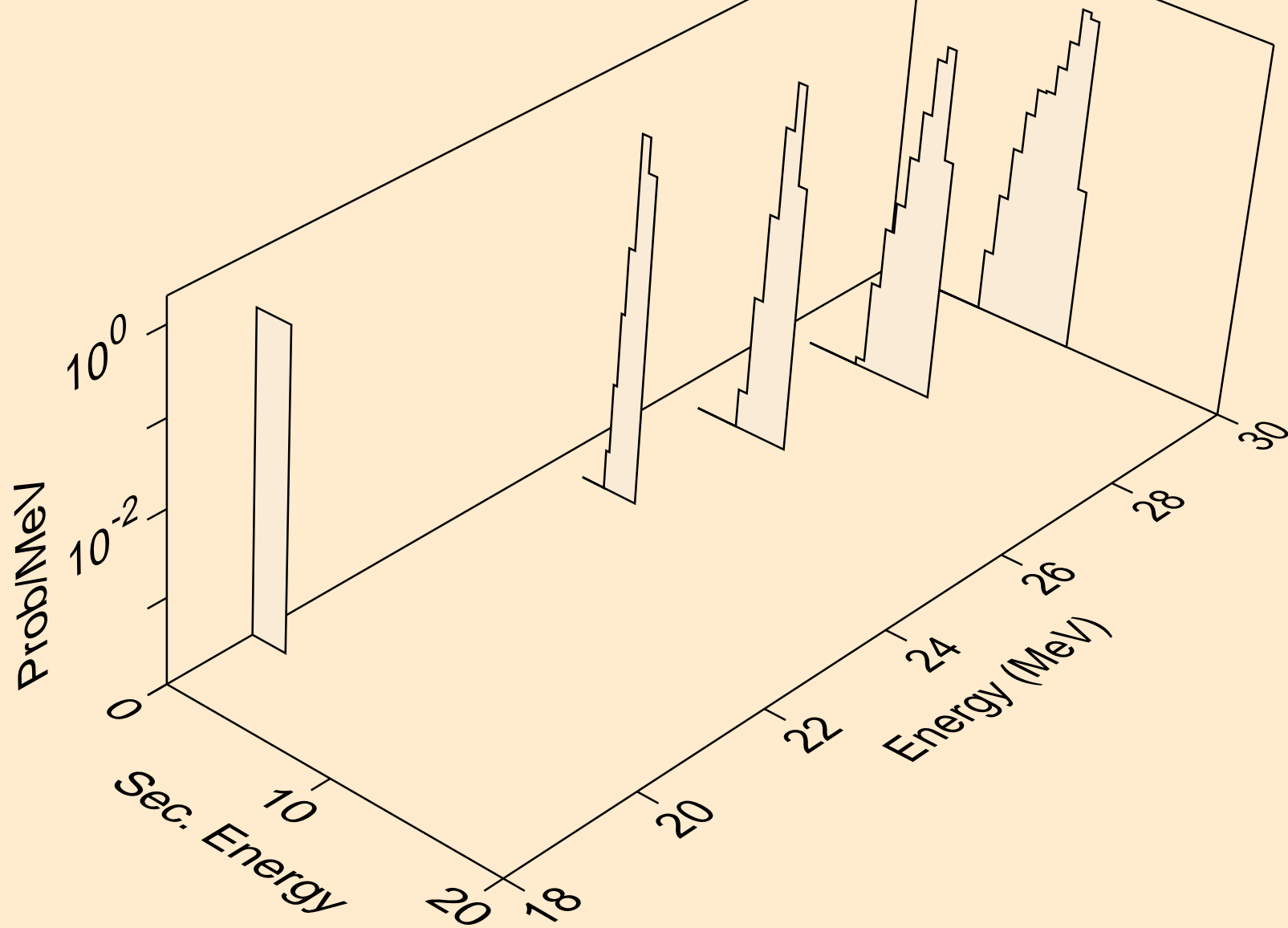
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deuterons from (s,da)



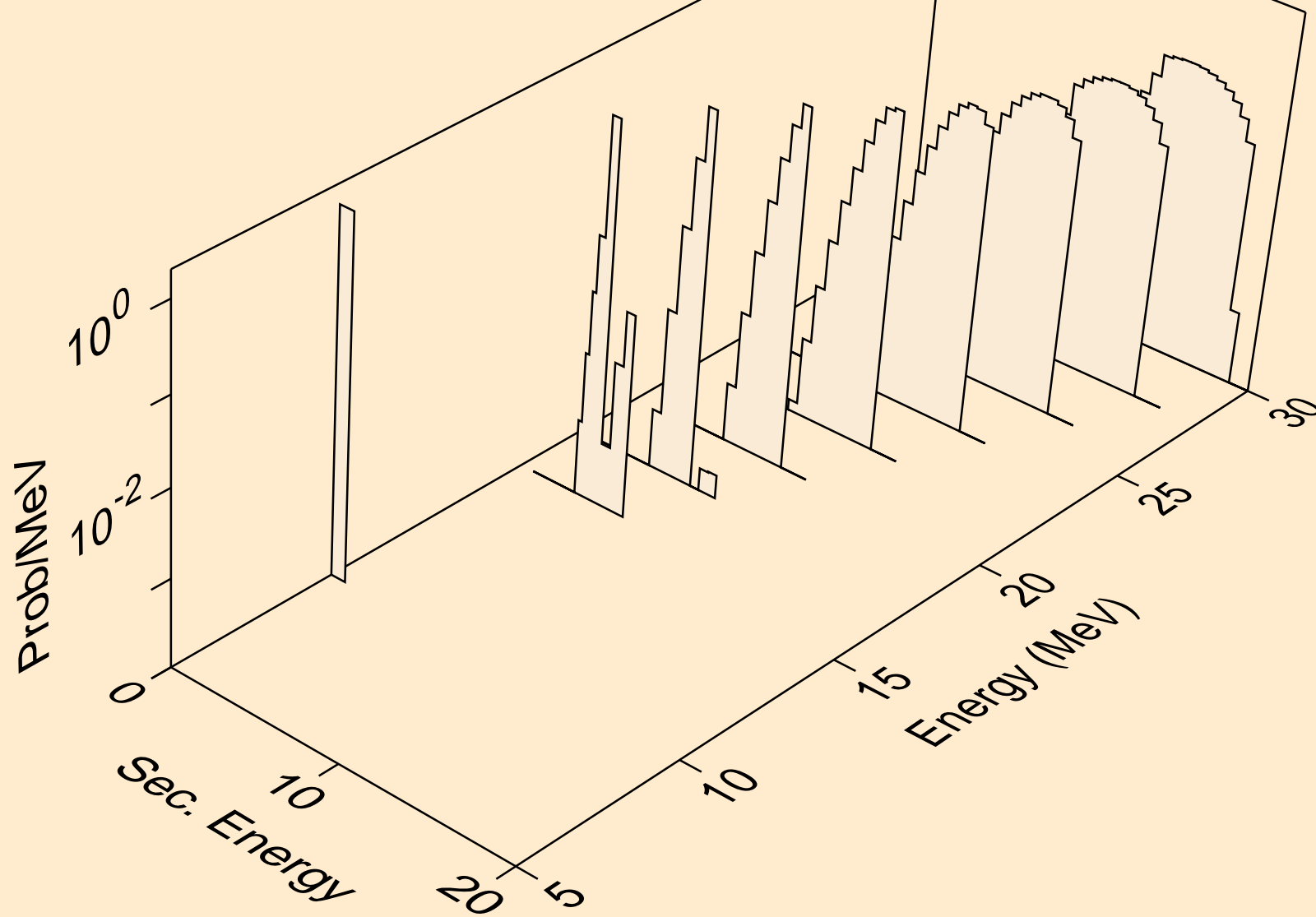
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,x)



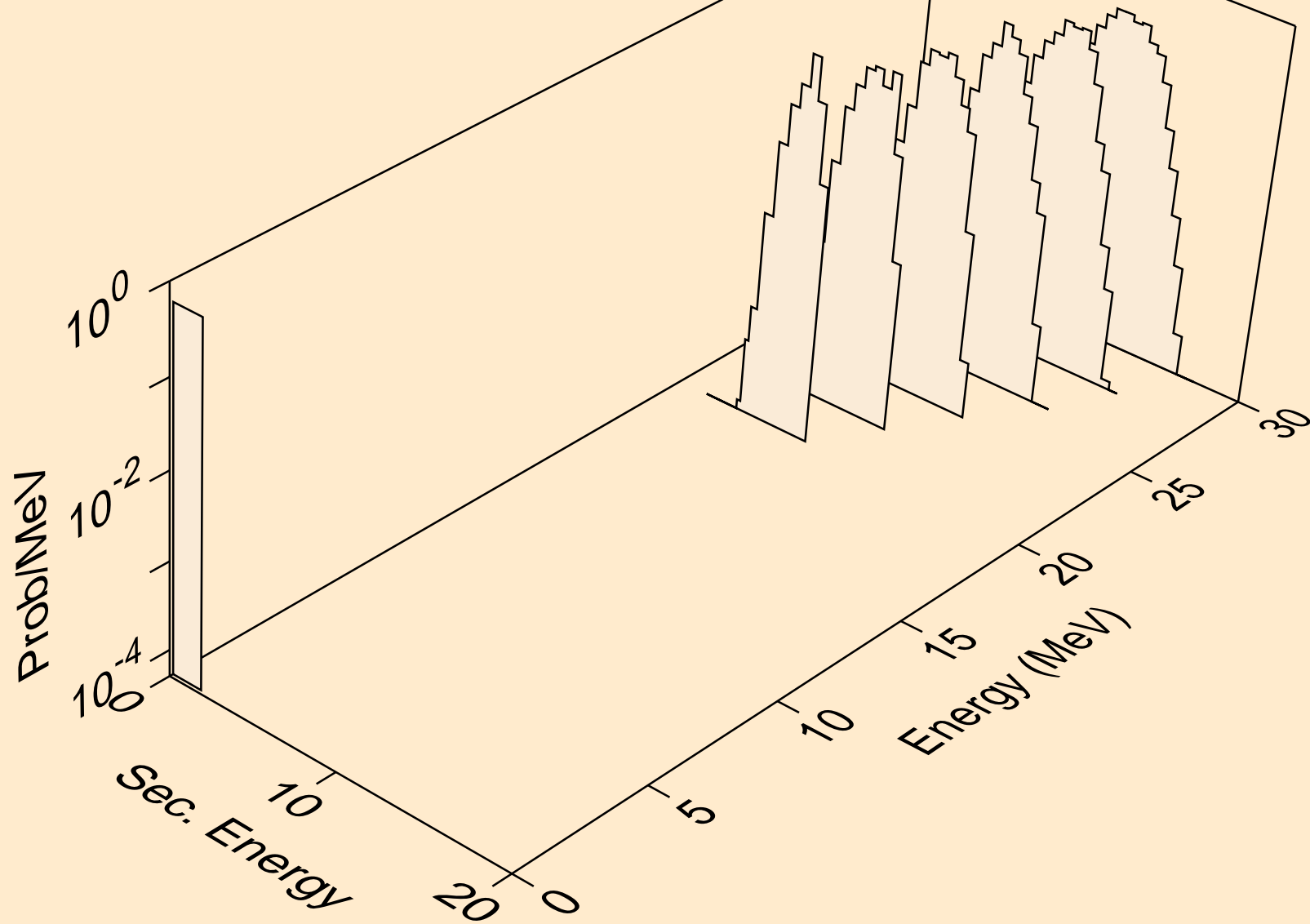
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,n*)t



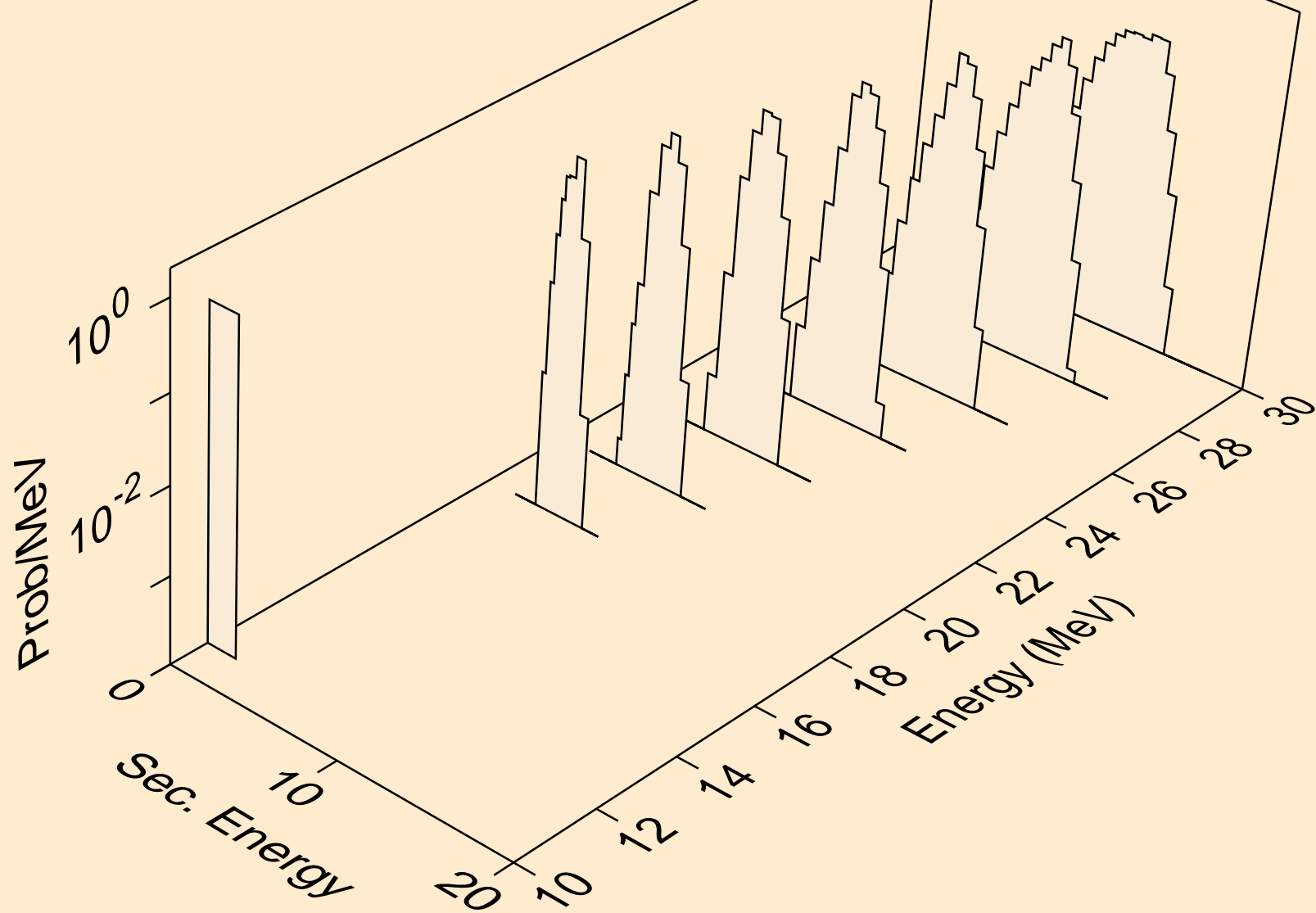
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tritons from (s,t)



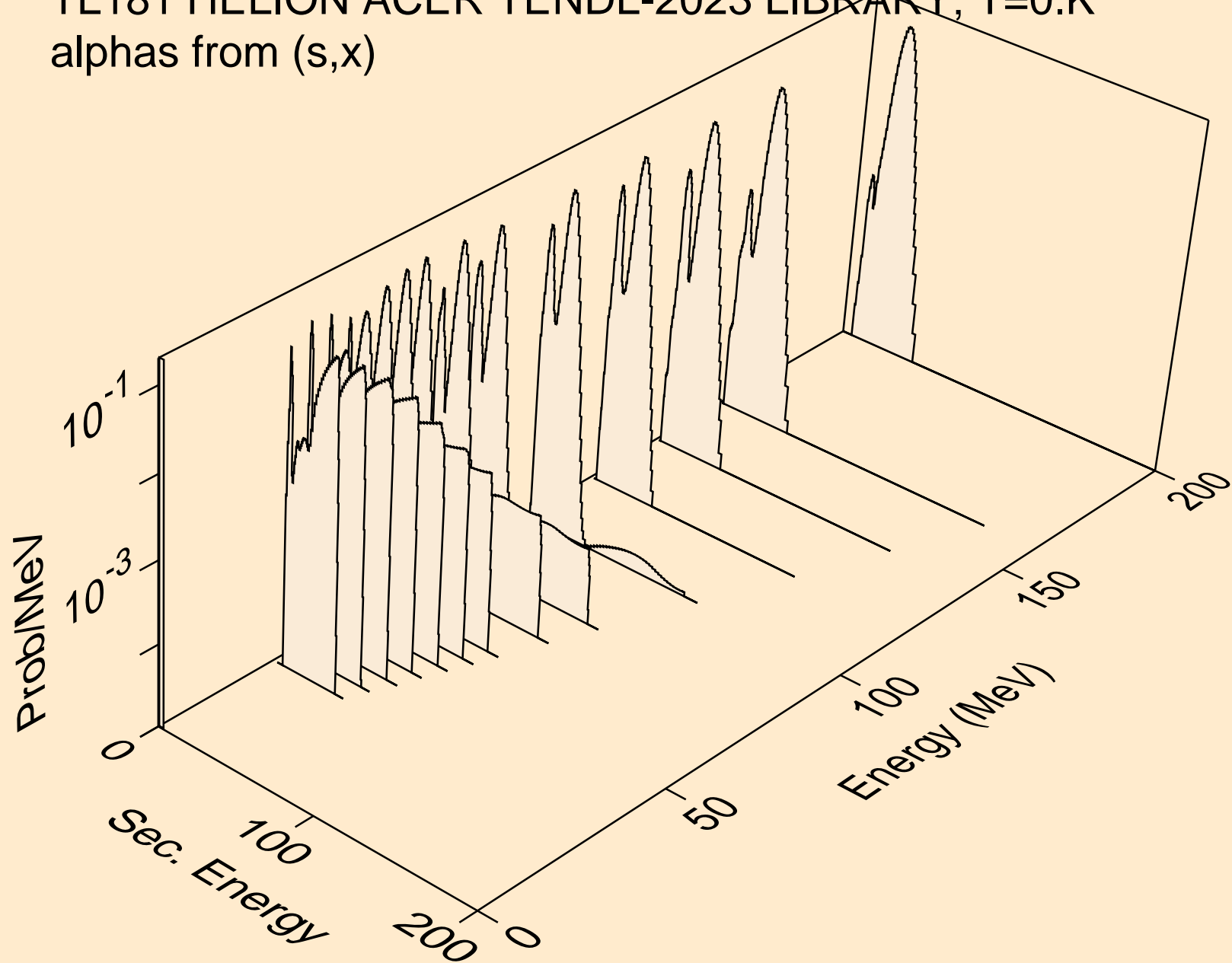
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tritons from (s,t2a)



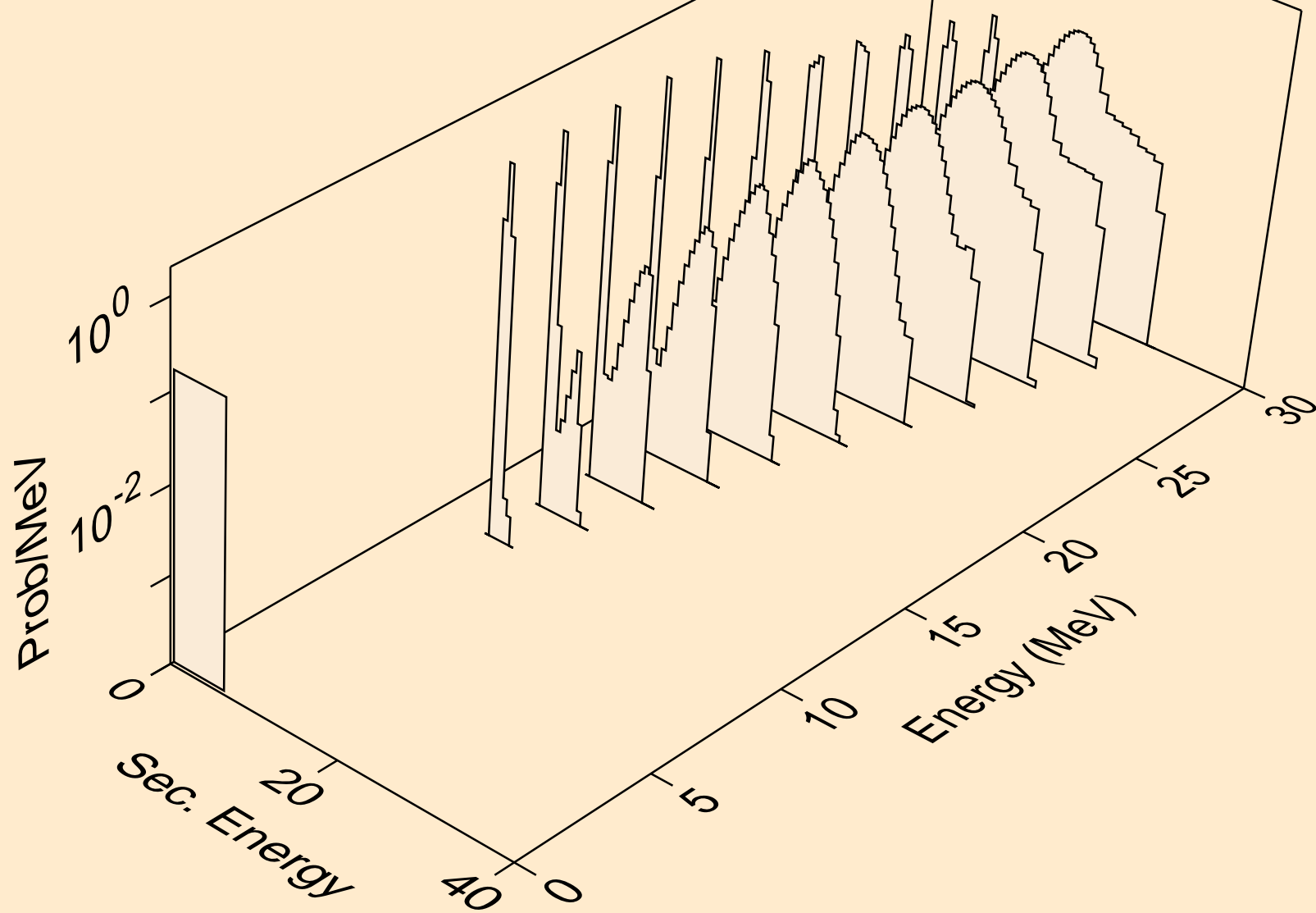
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
tritons from (s,pt)



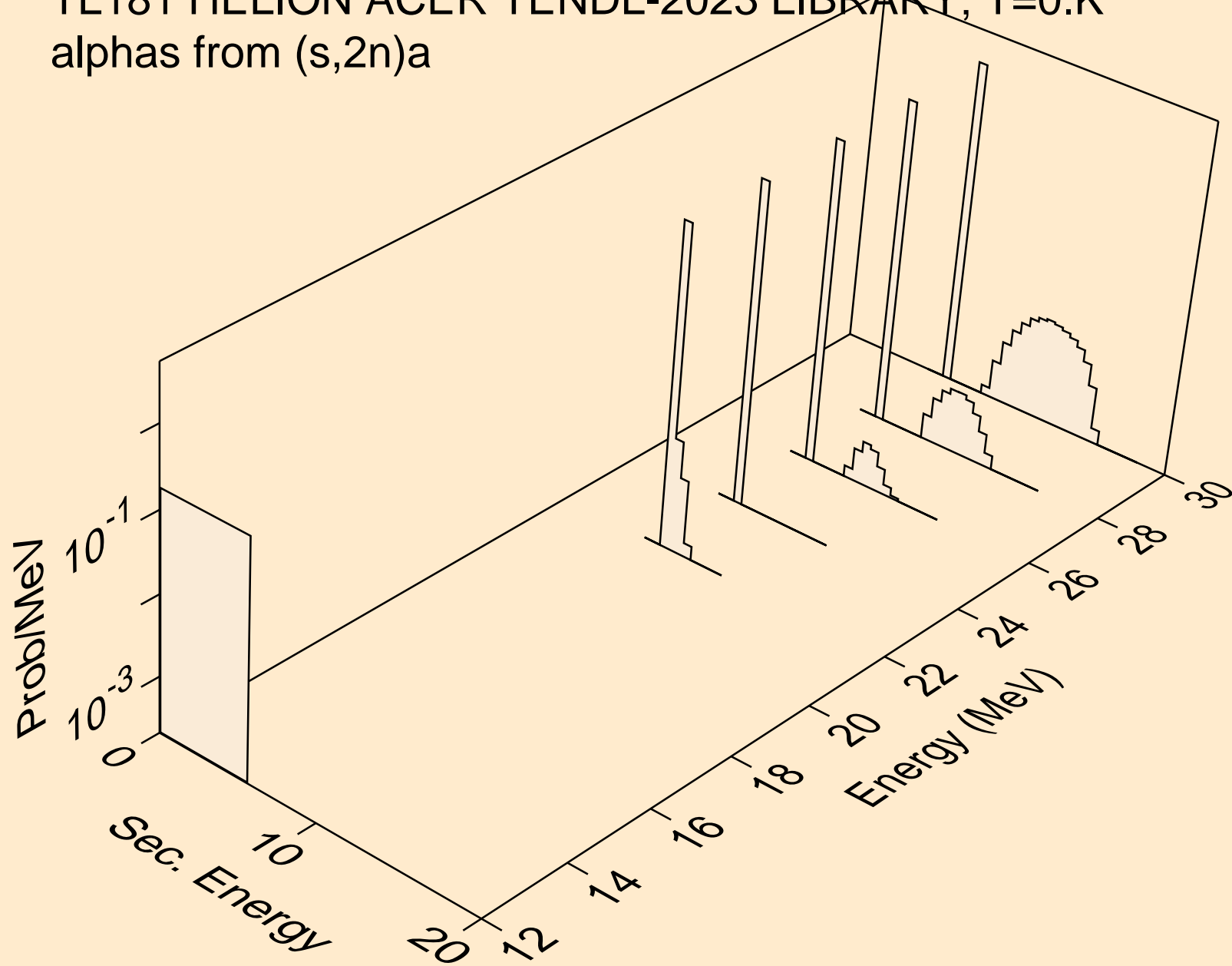
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,x)



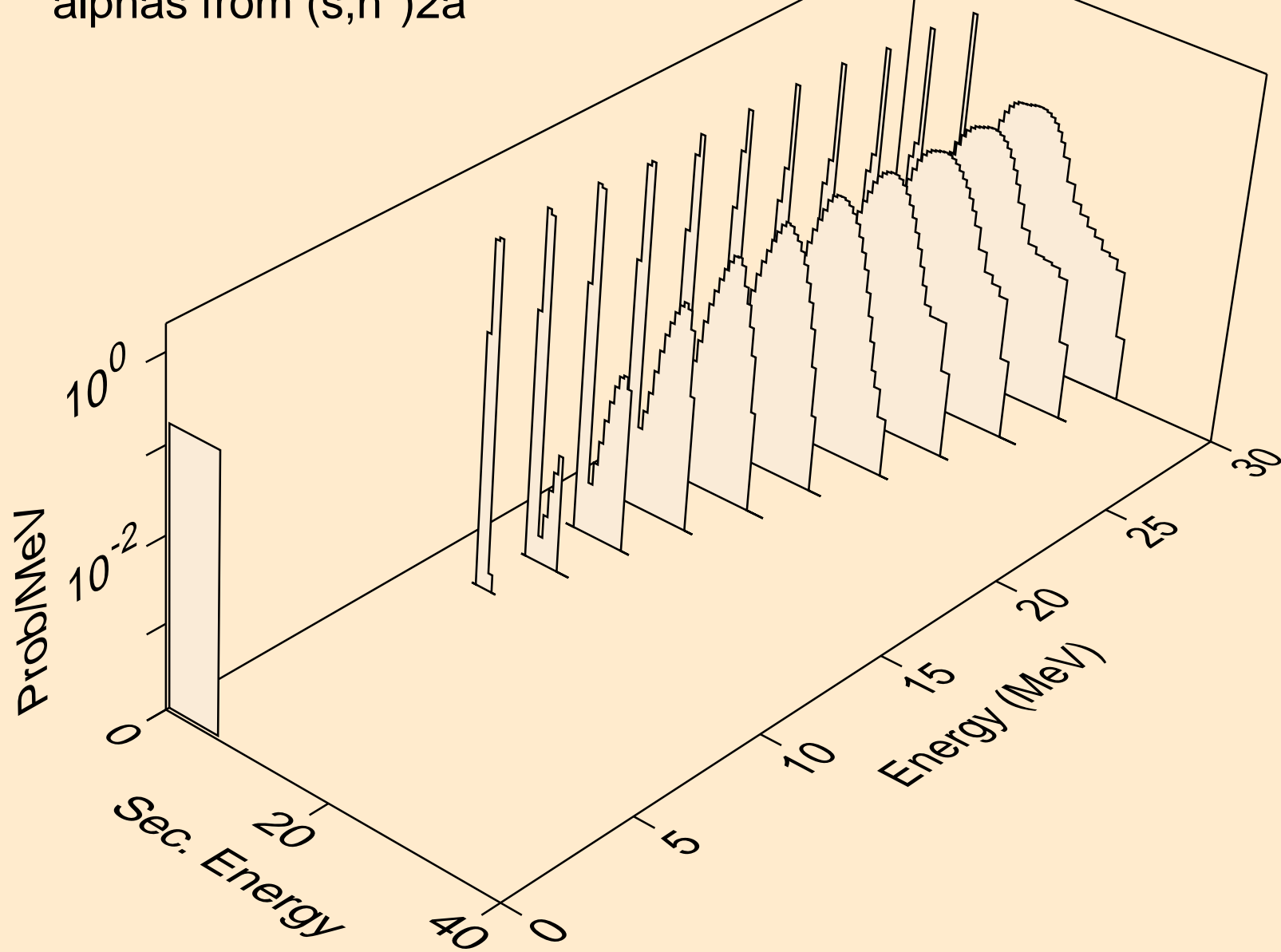
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,n*)a



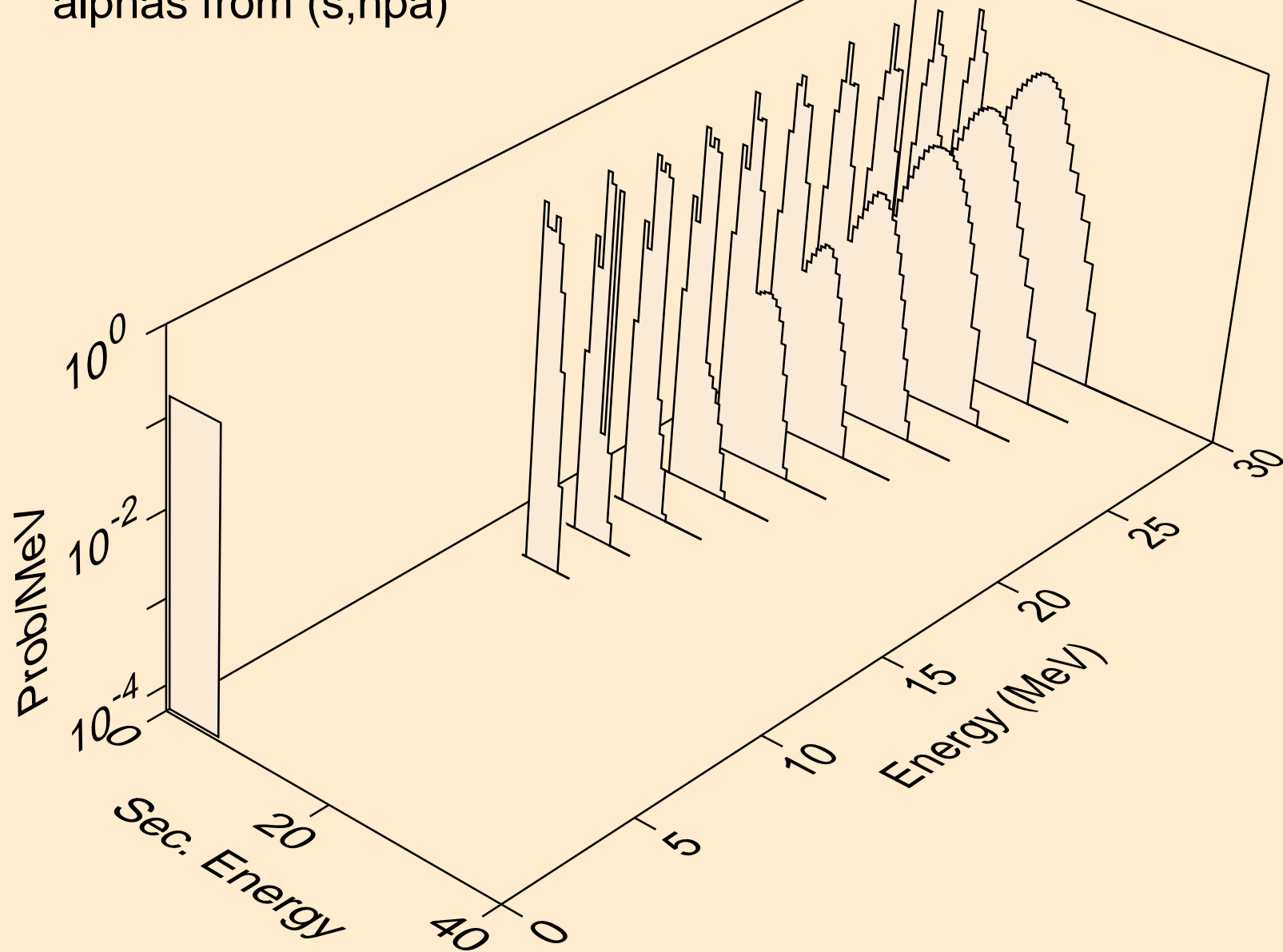
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,2n)a



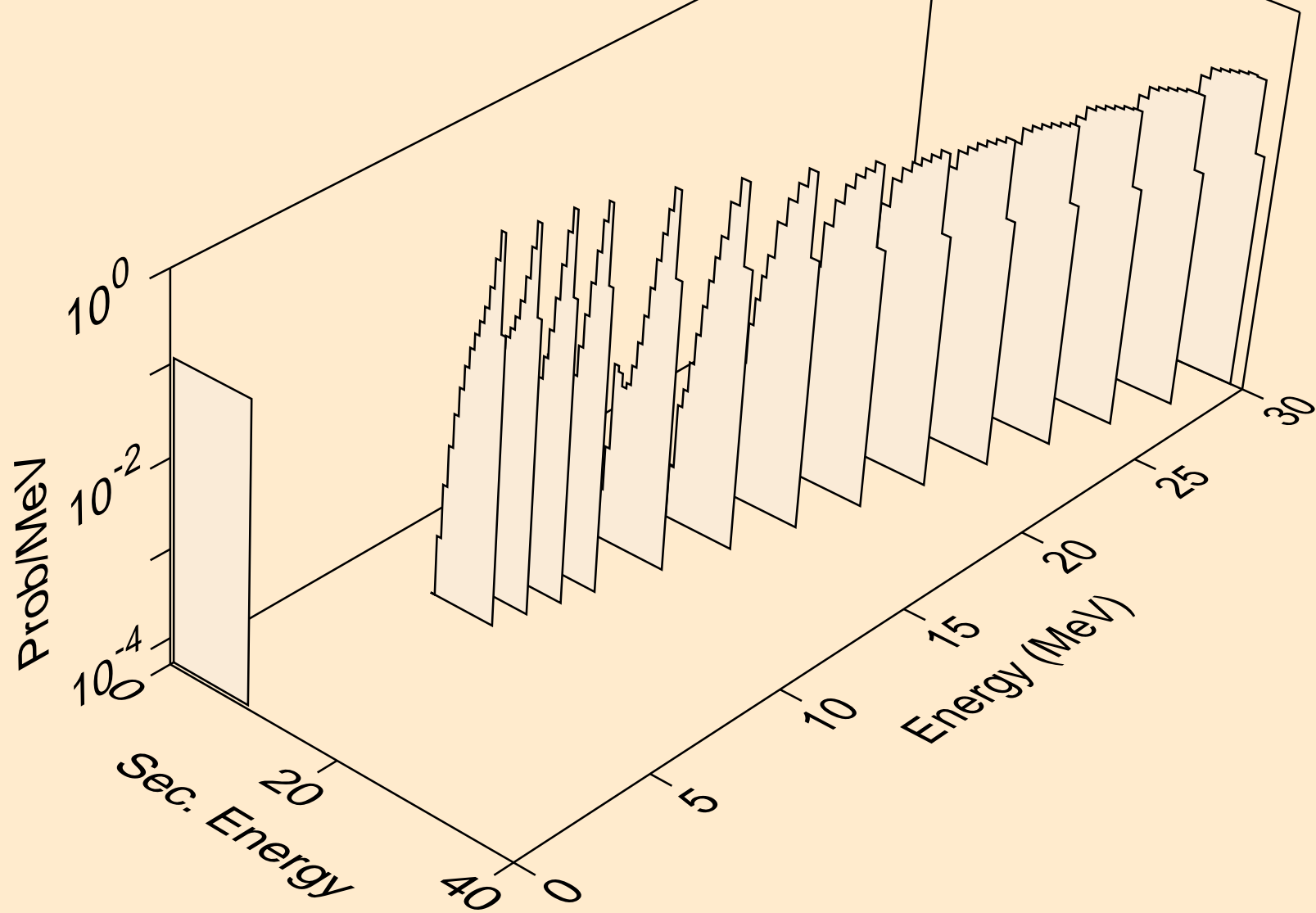
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,n*)2a



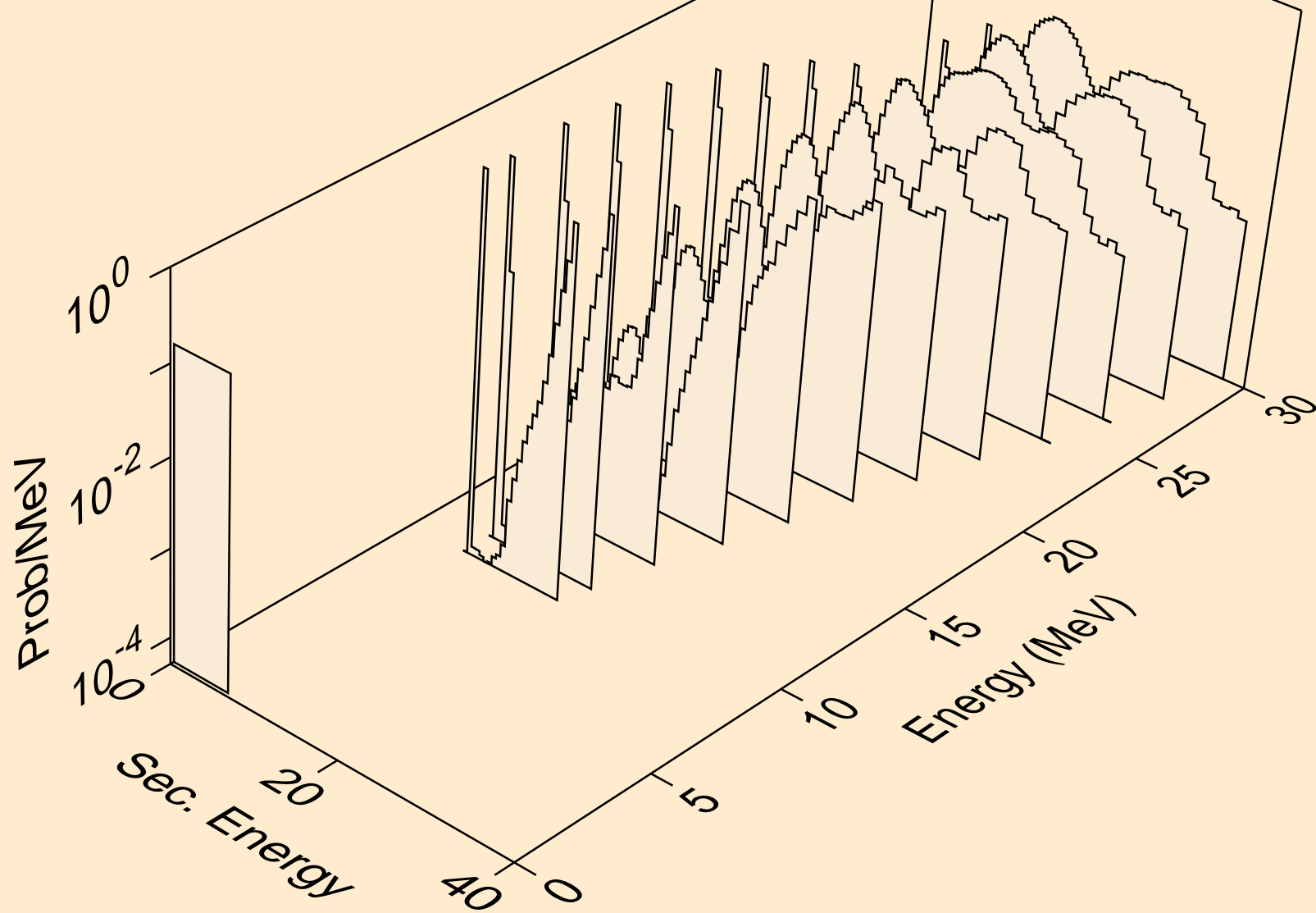
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,npa)



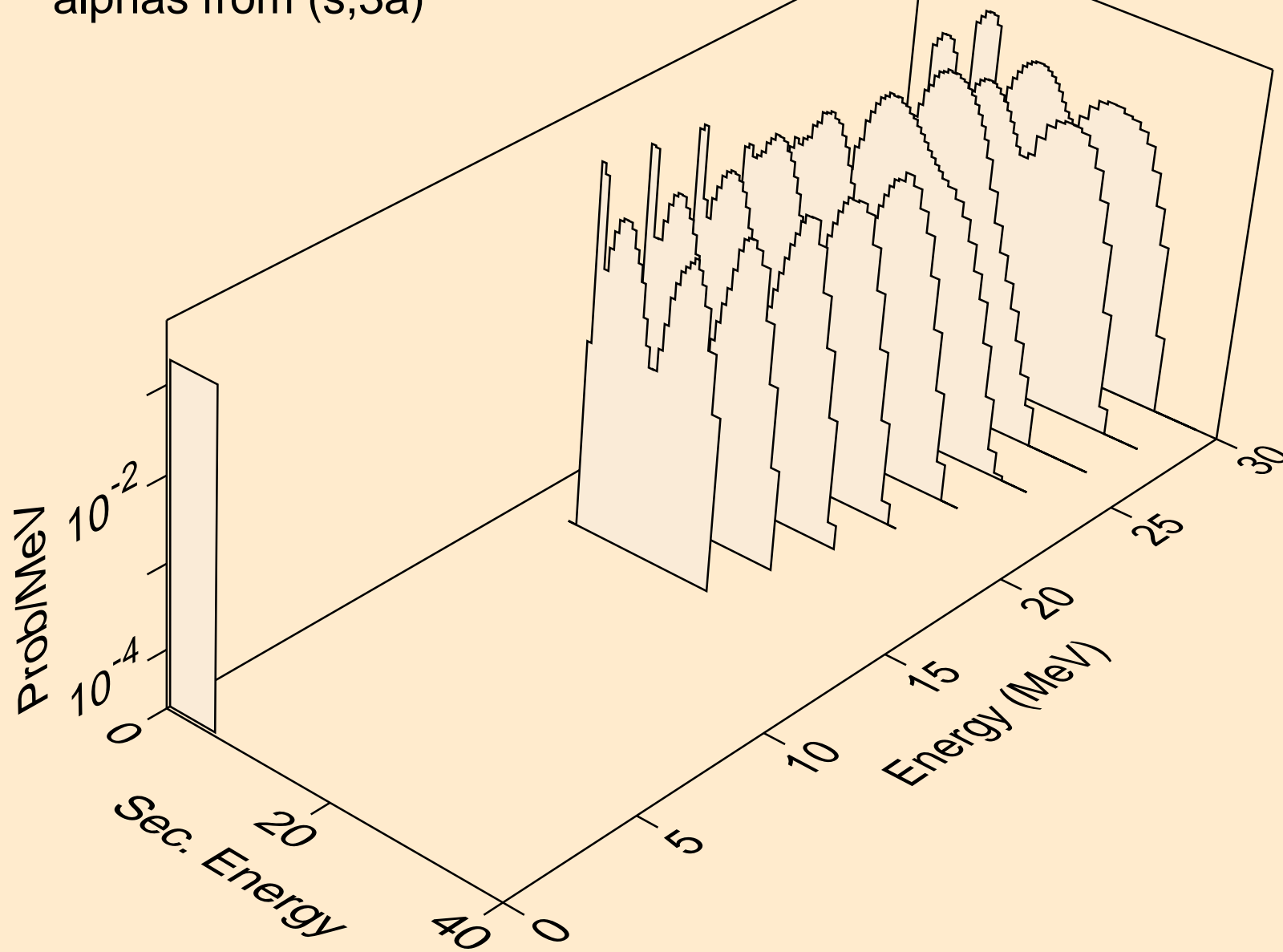
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,a)



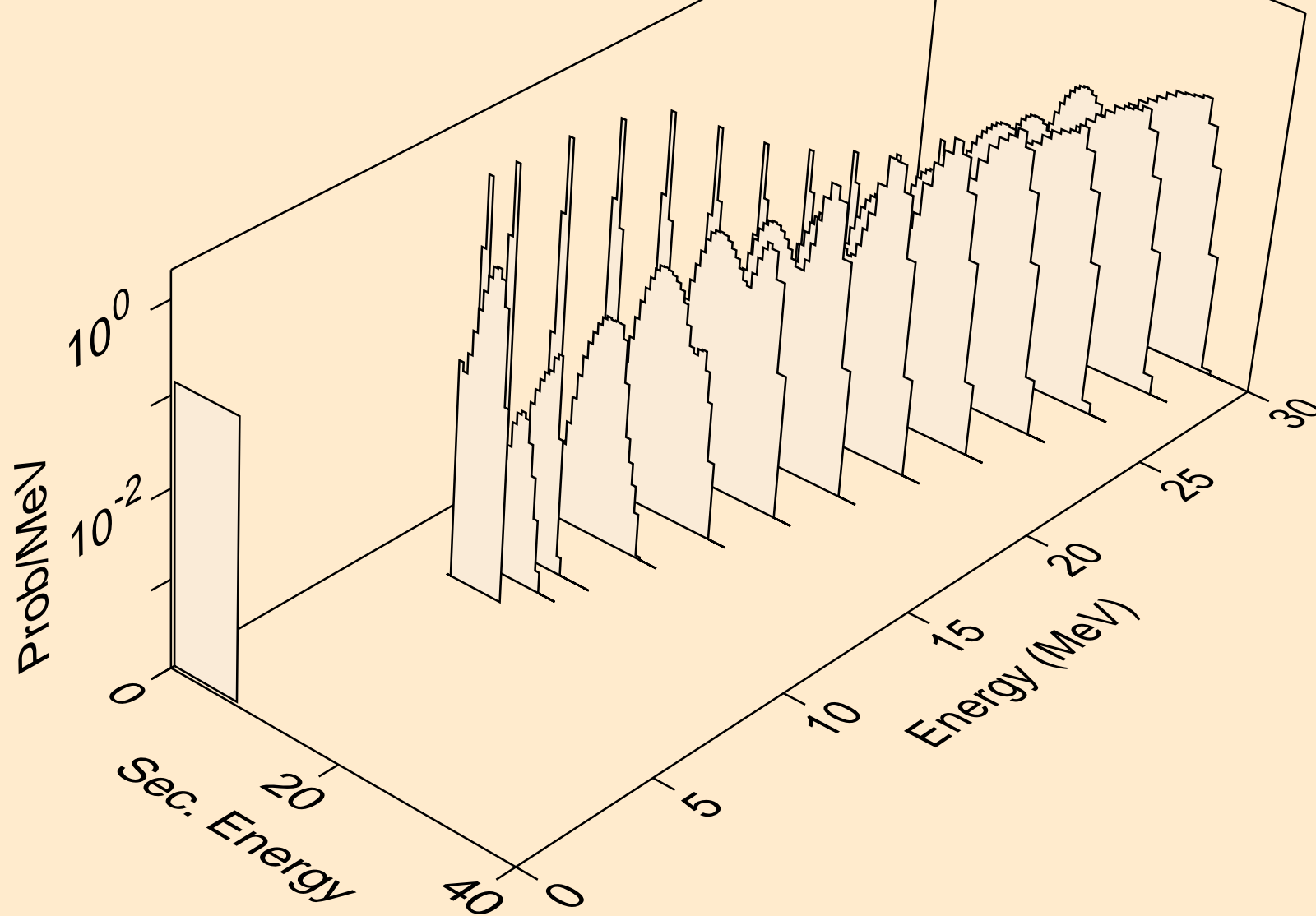
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,2a)



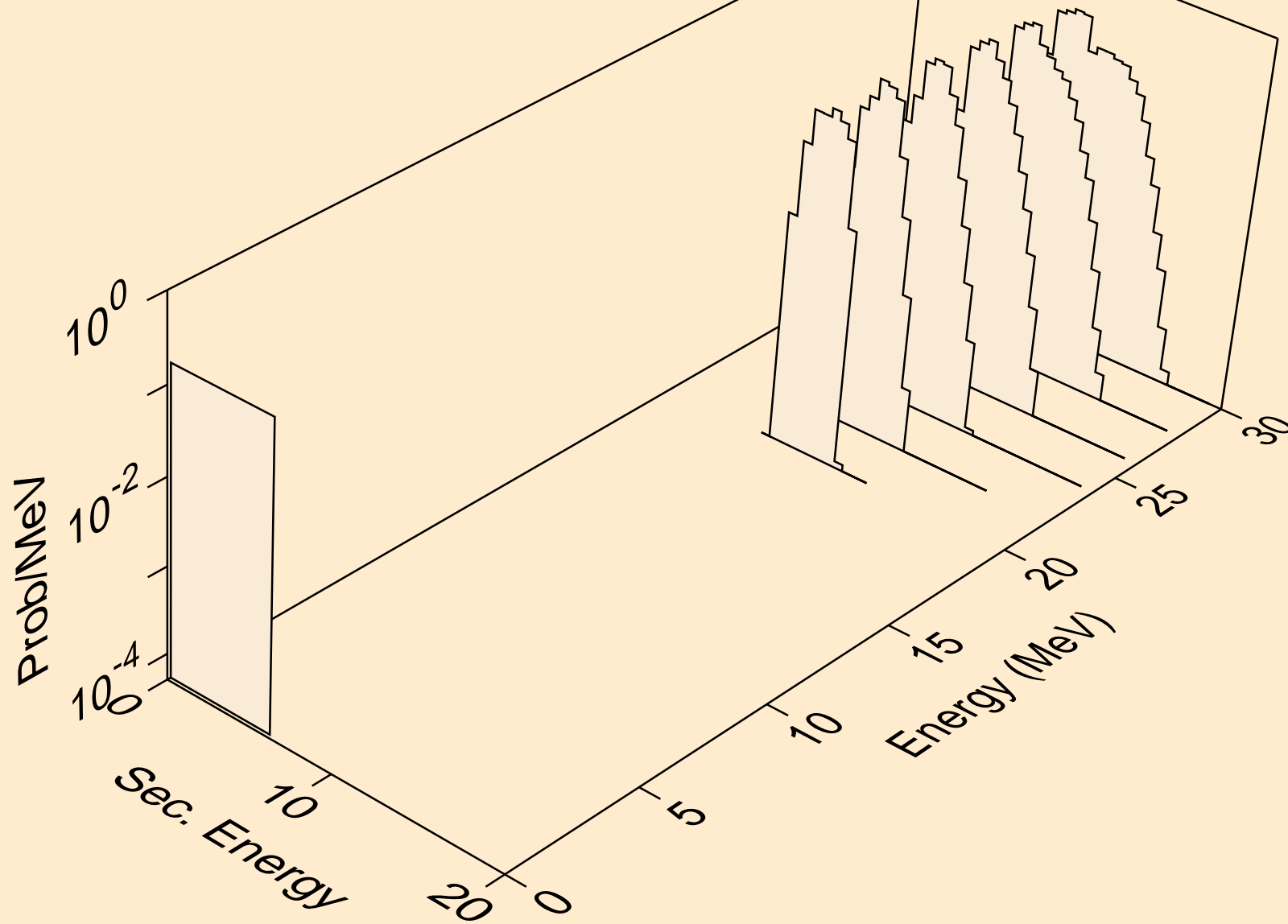
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,3a)



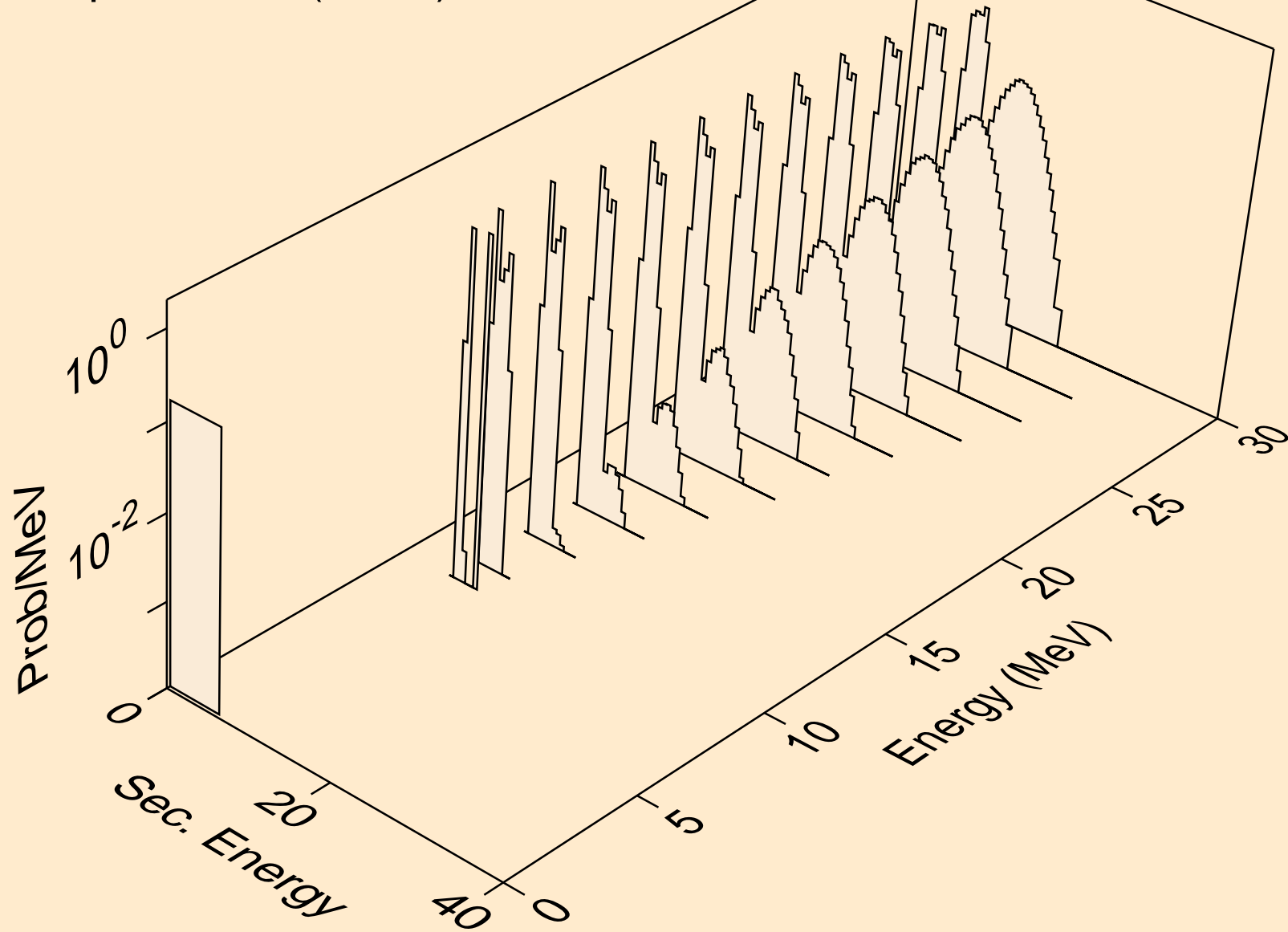
TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,pa)



TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,t2a)



TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,d2a)



TL181 HELION ACER TENDL-2023 LIBRARY; T=0.K
alphas from (s,da)

