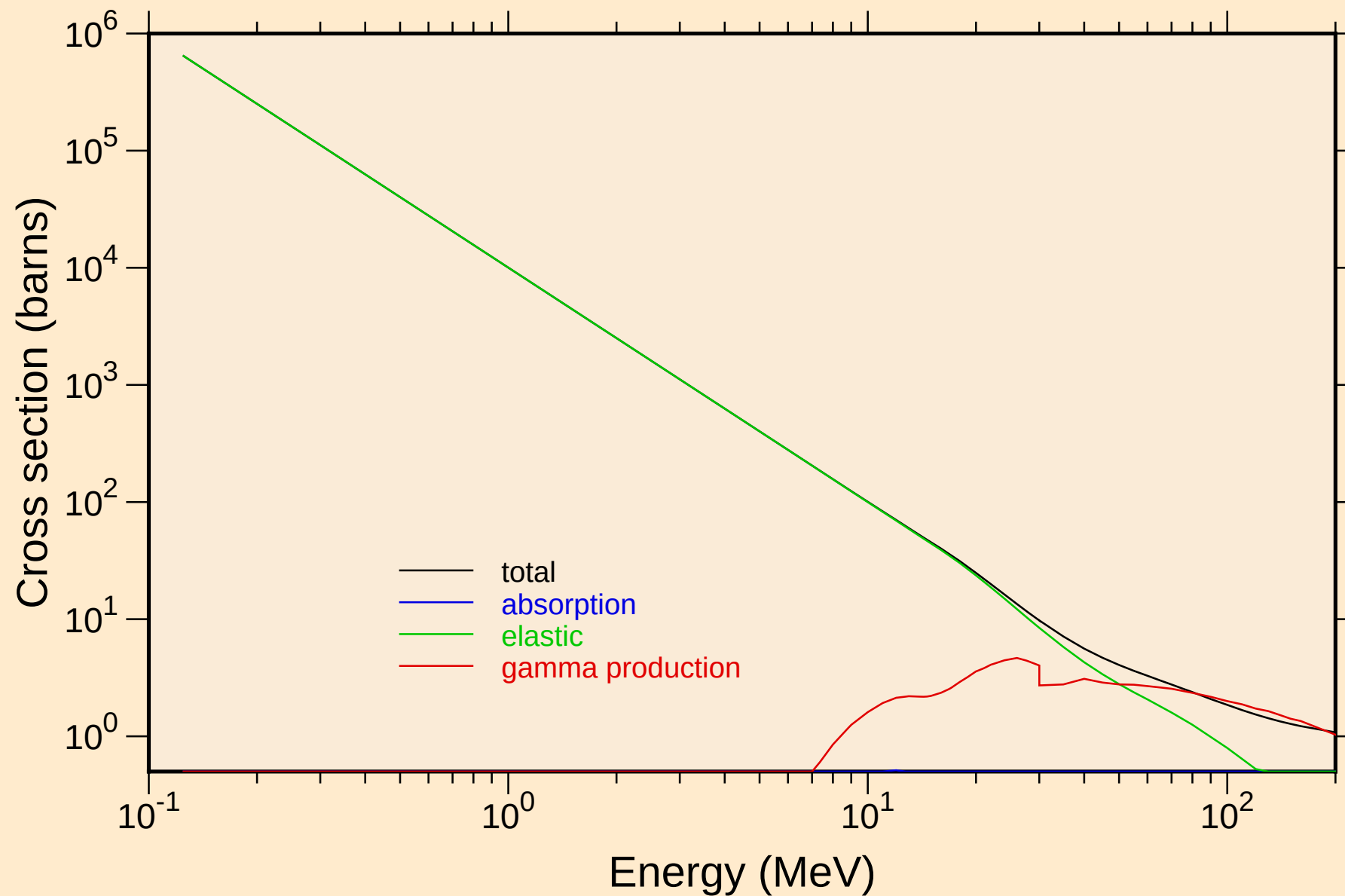


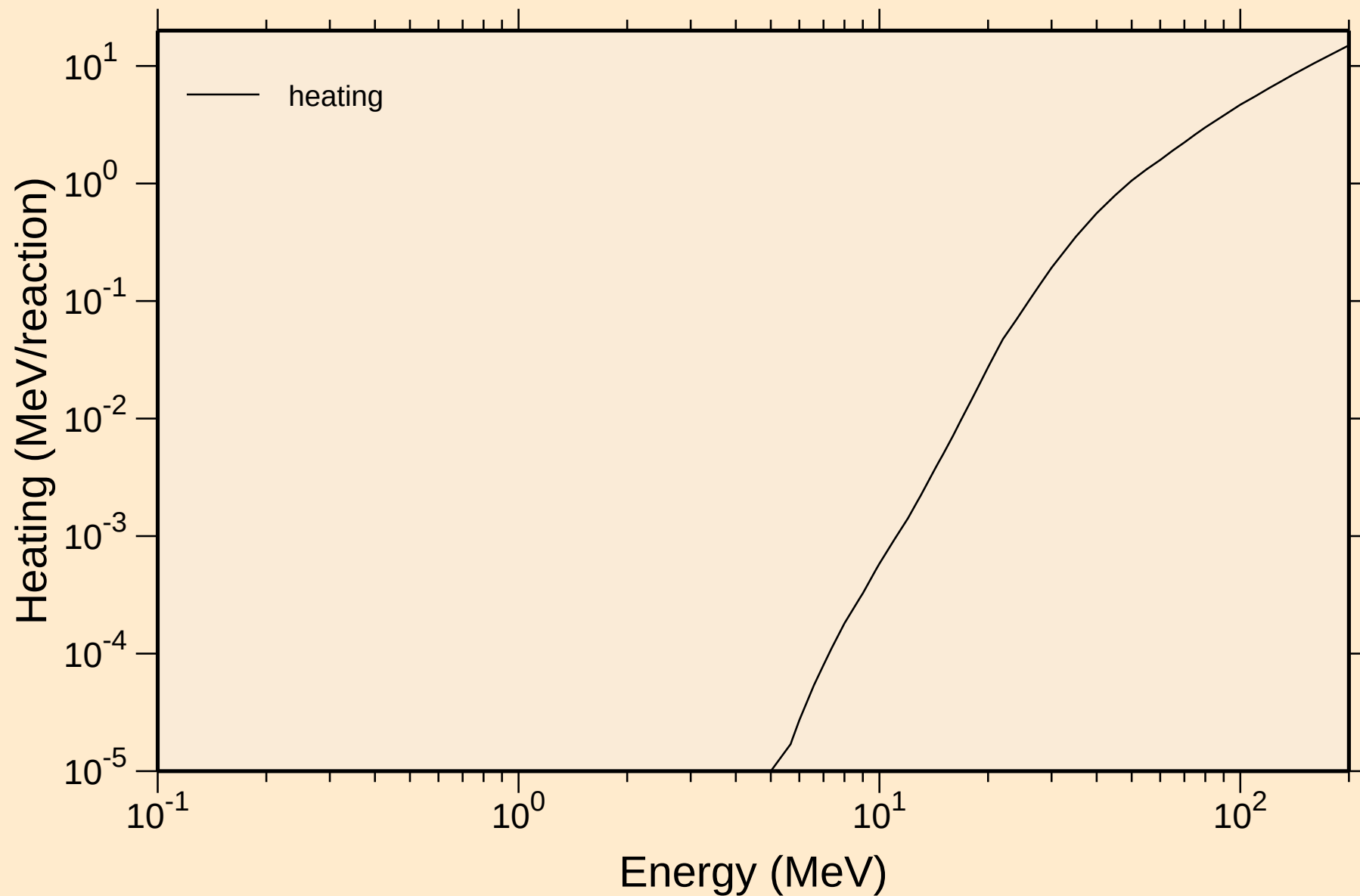
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K

Principal cross sections



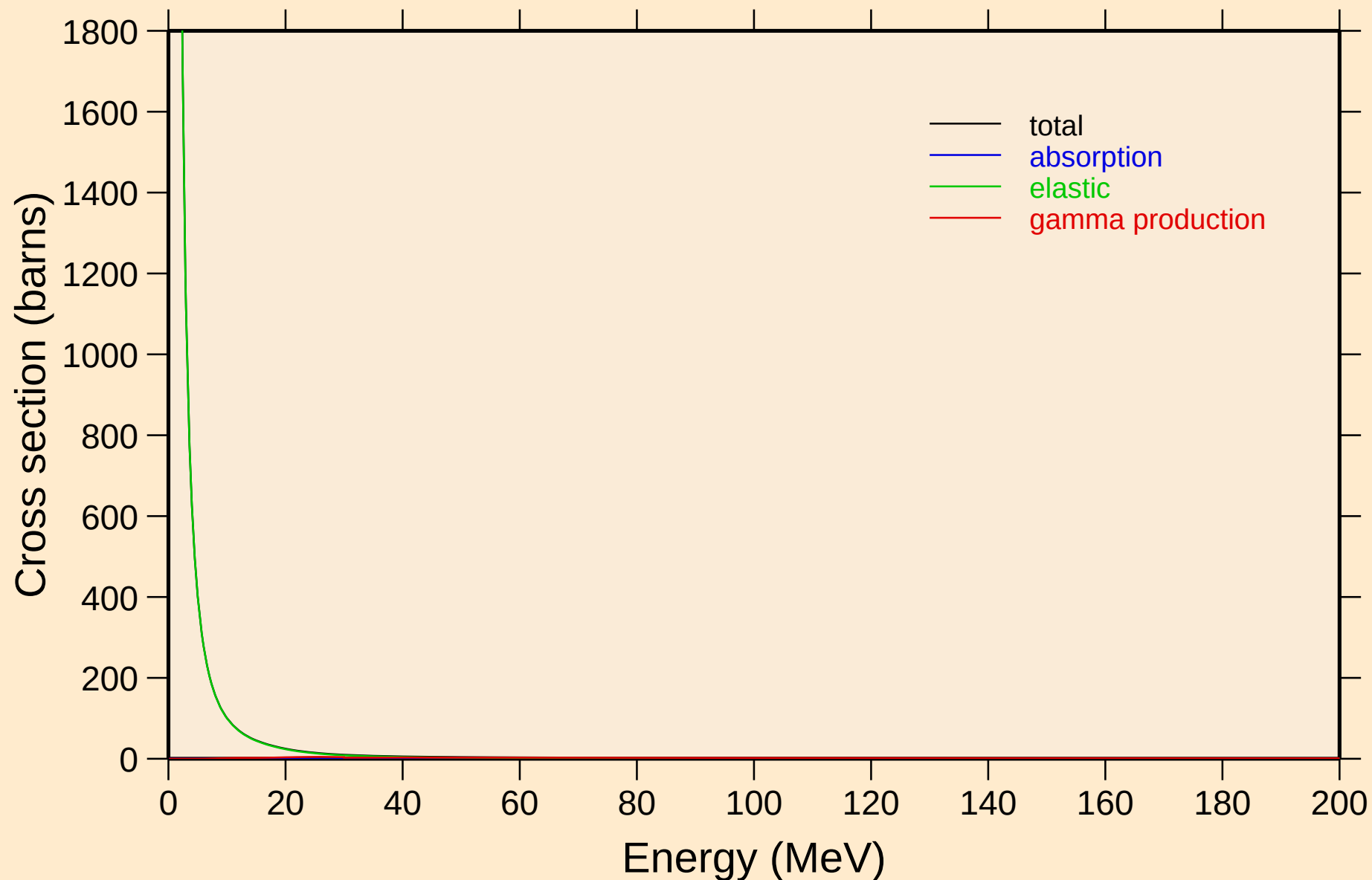
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Heating



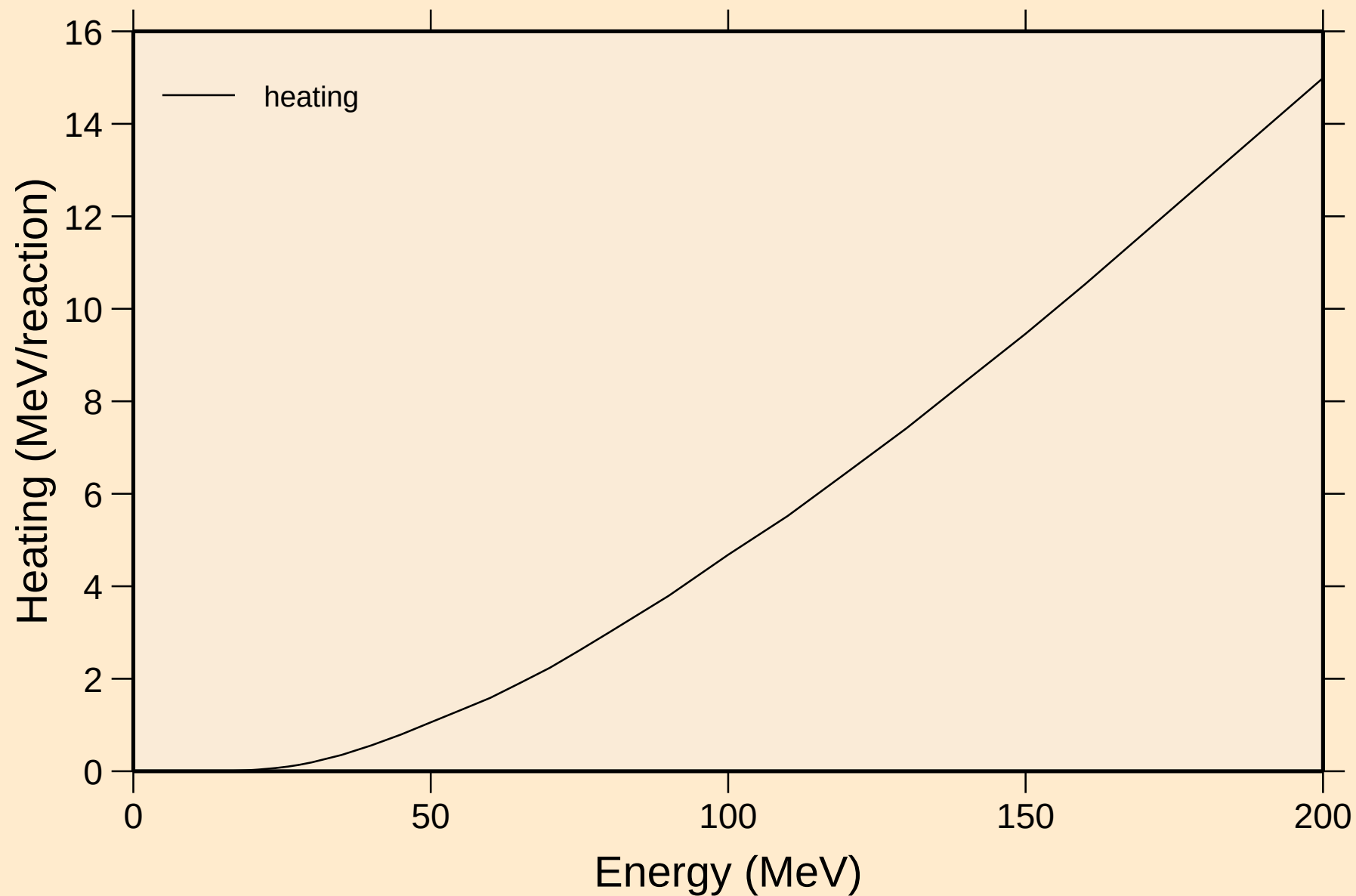
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Principal cross sections



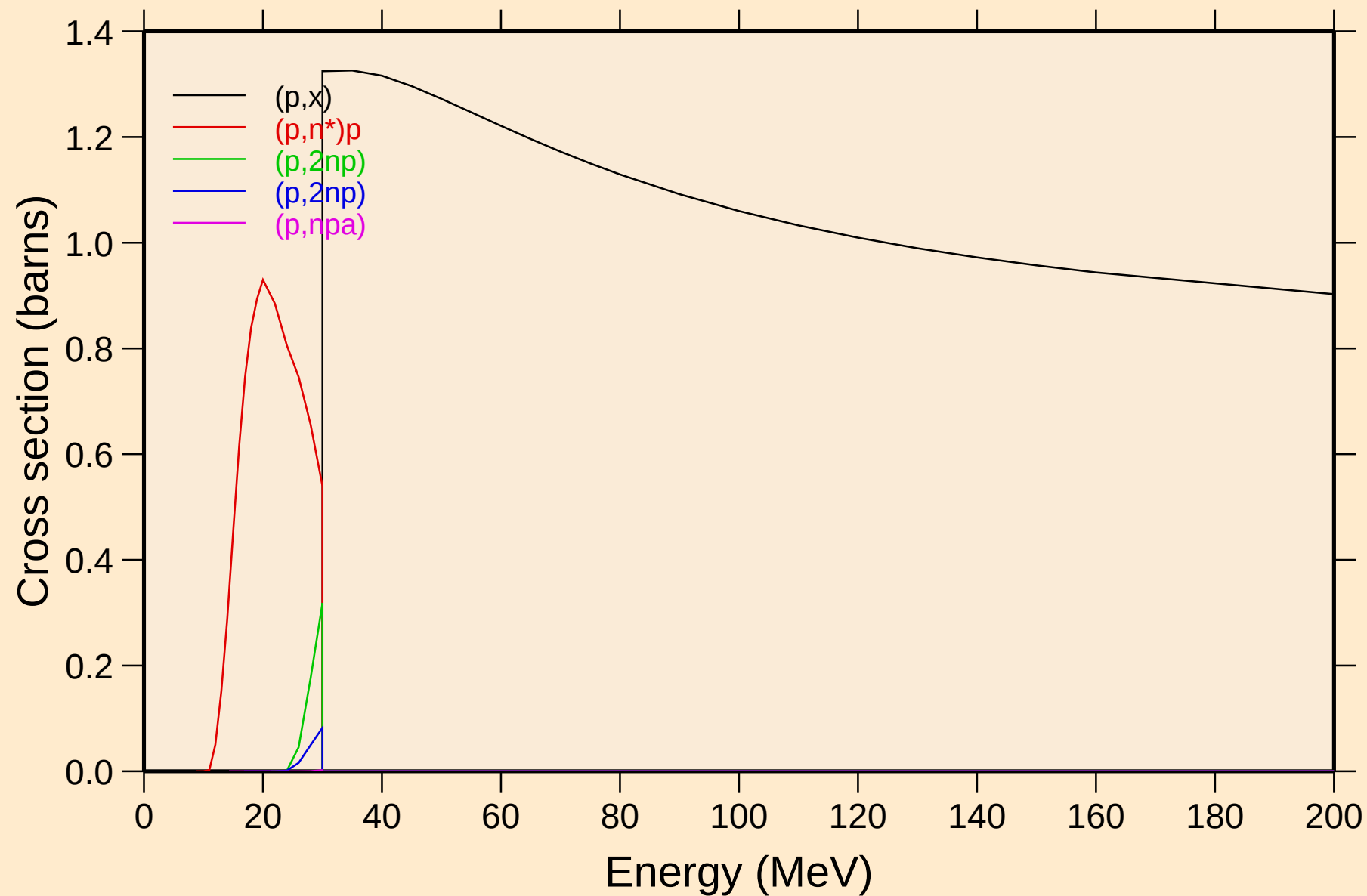
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Heating

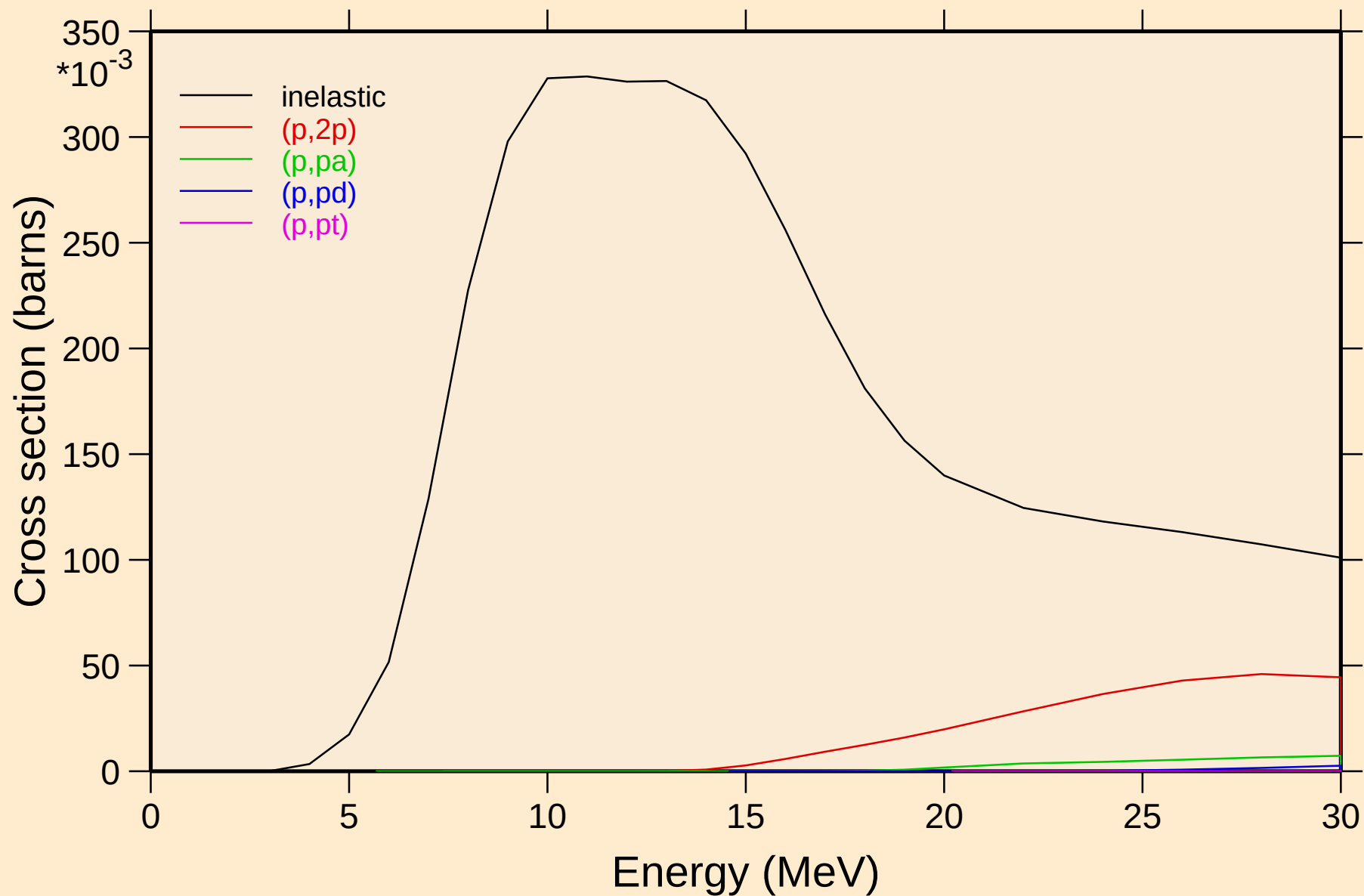


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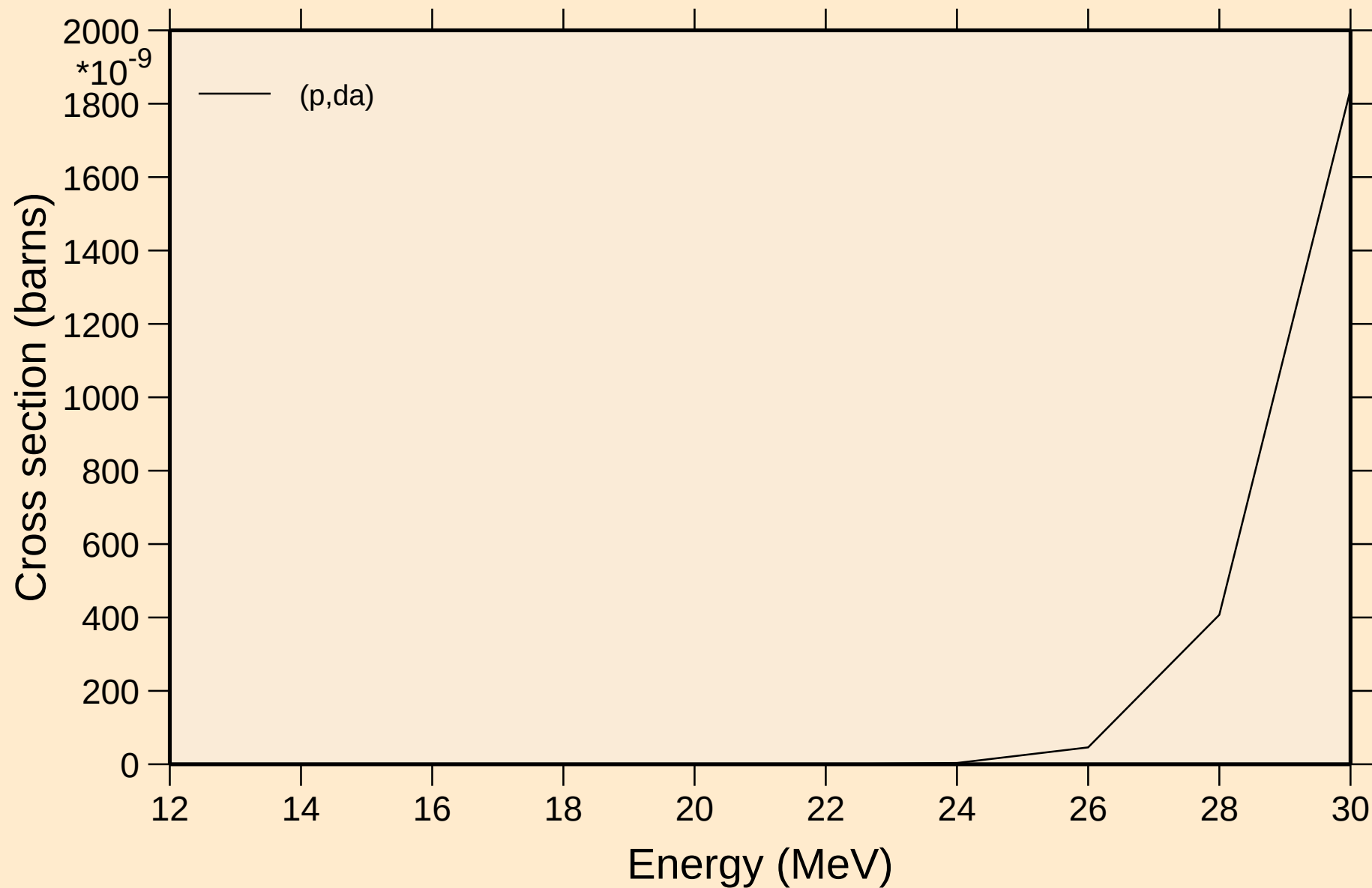
Threshold reactions



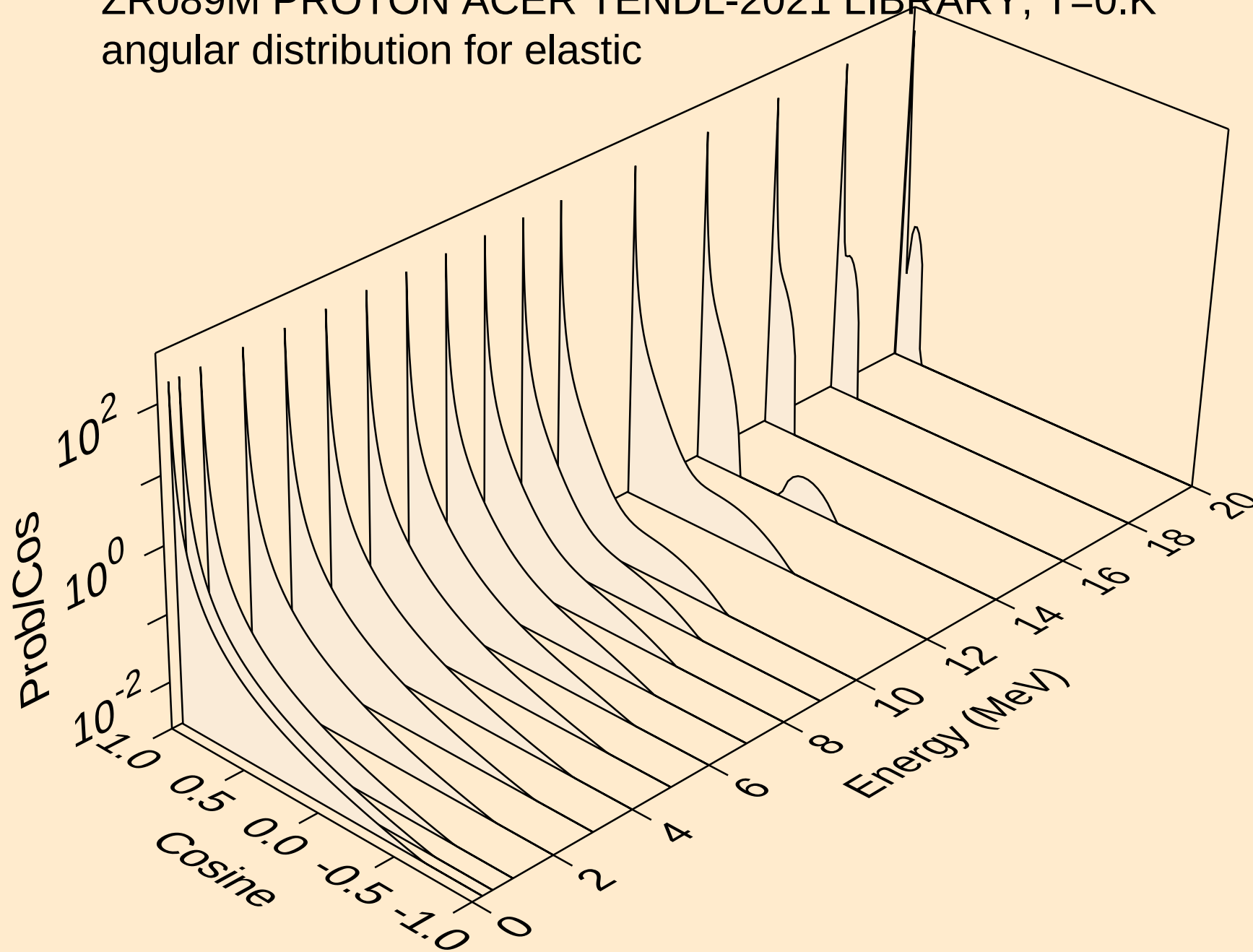
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Threshold reactions



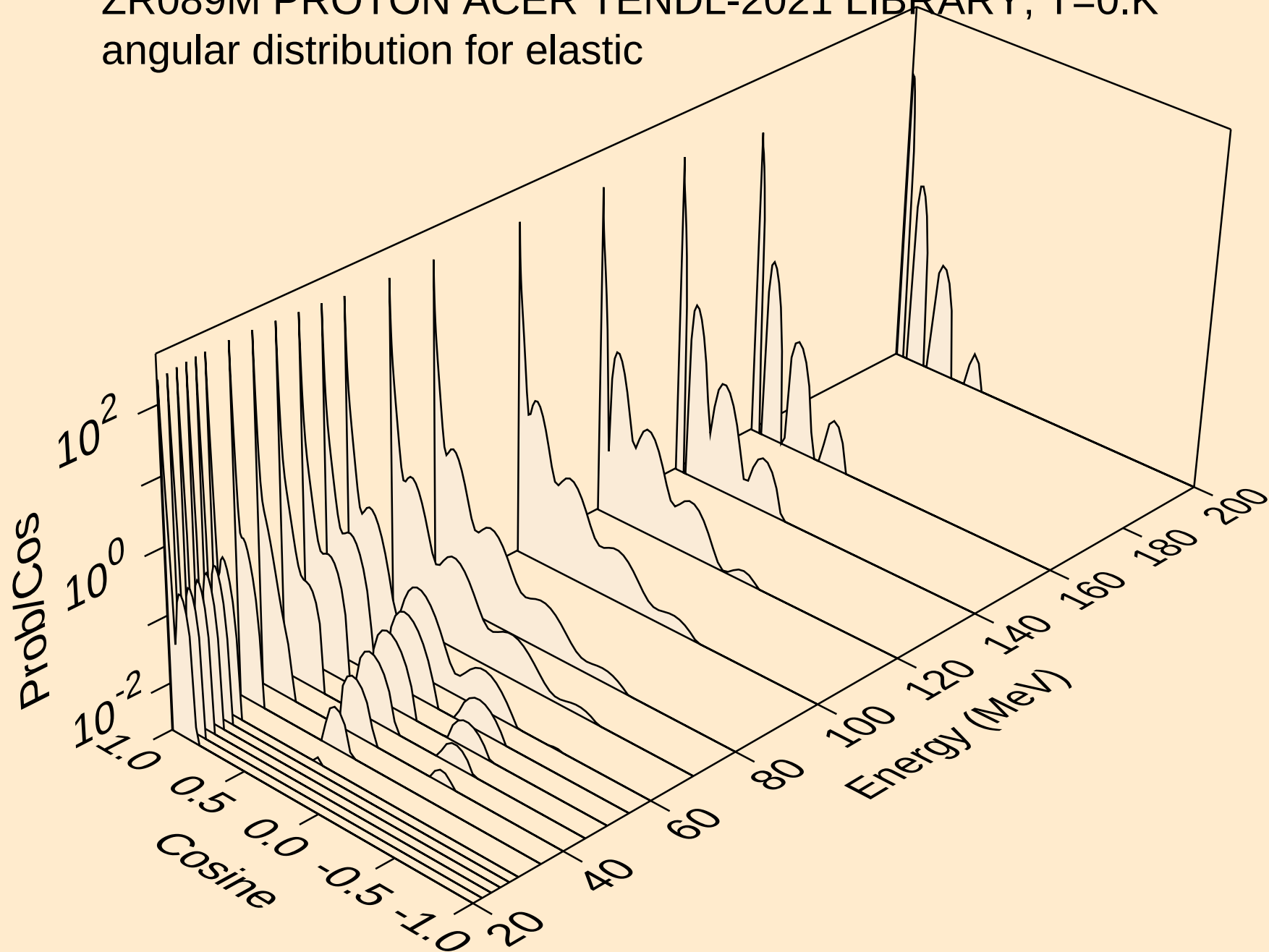
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Threshold reactions



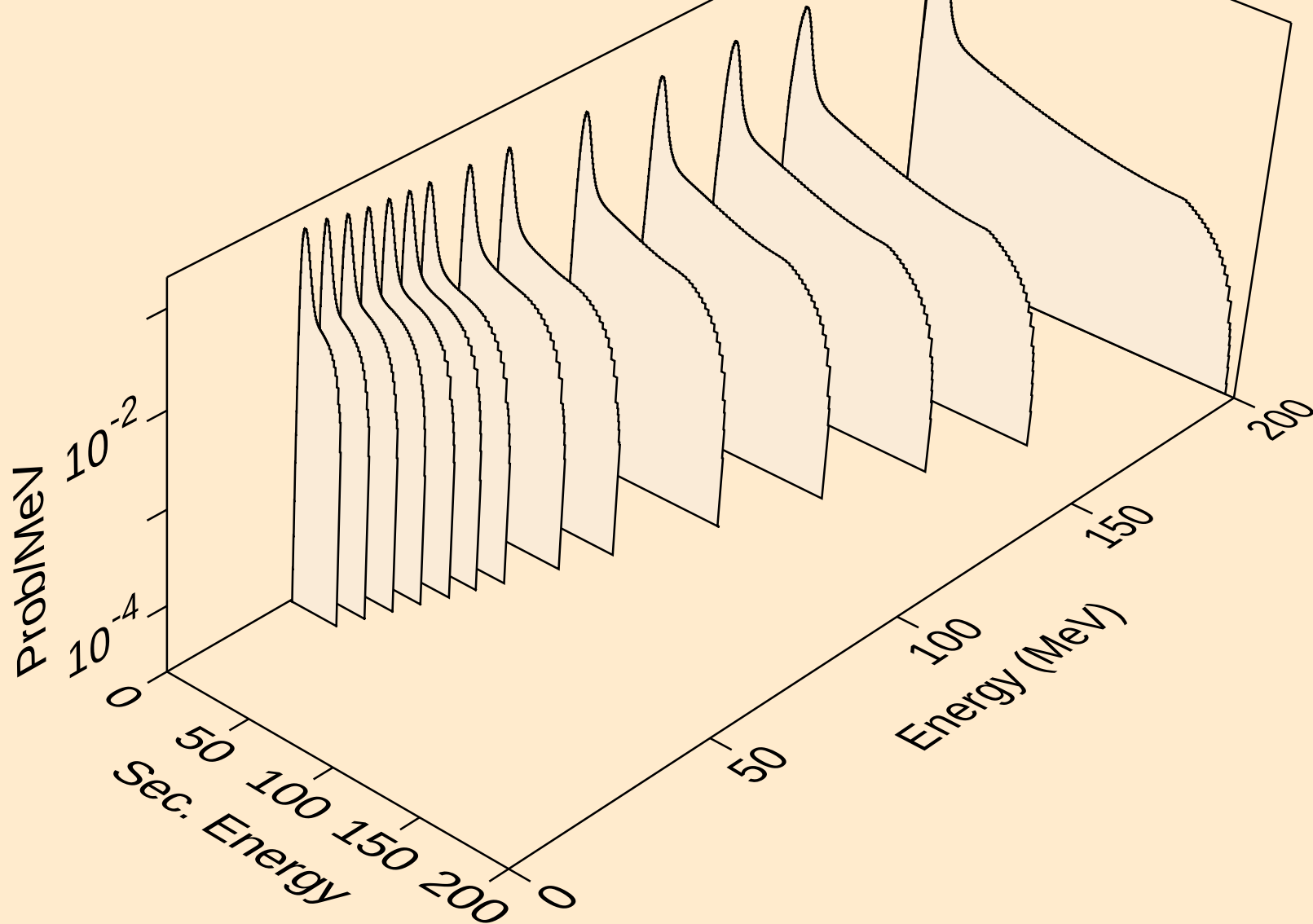
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic



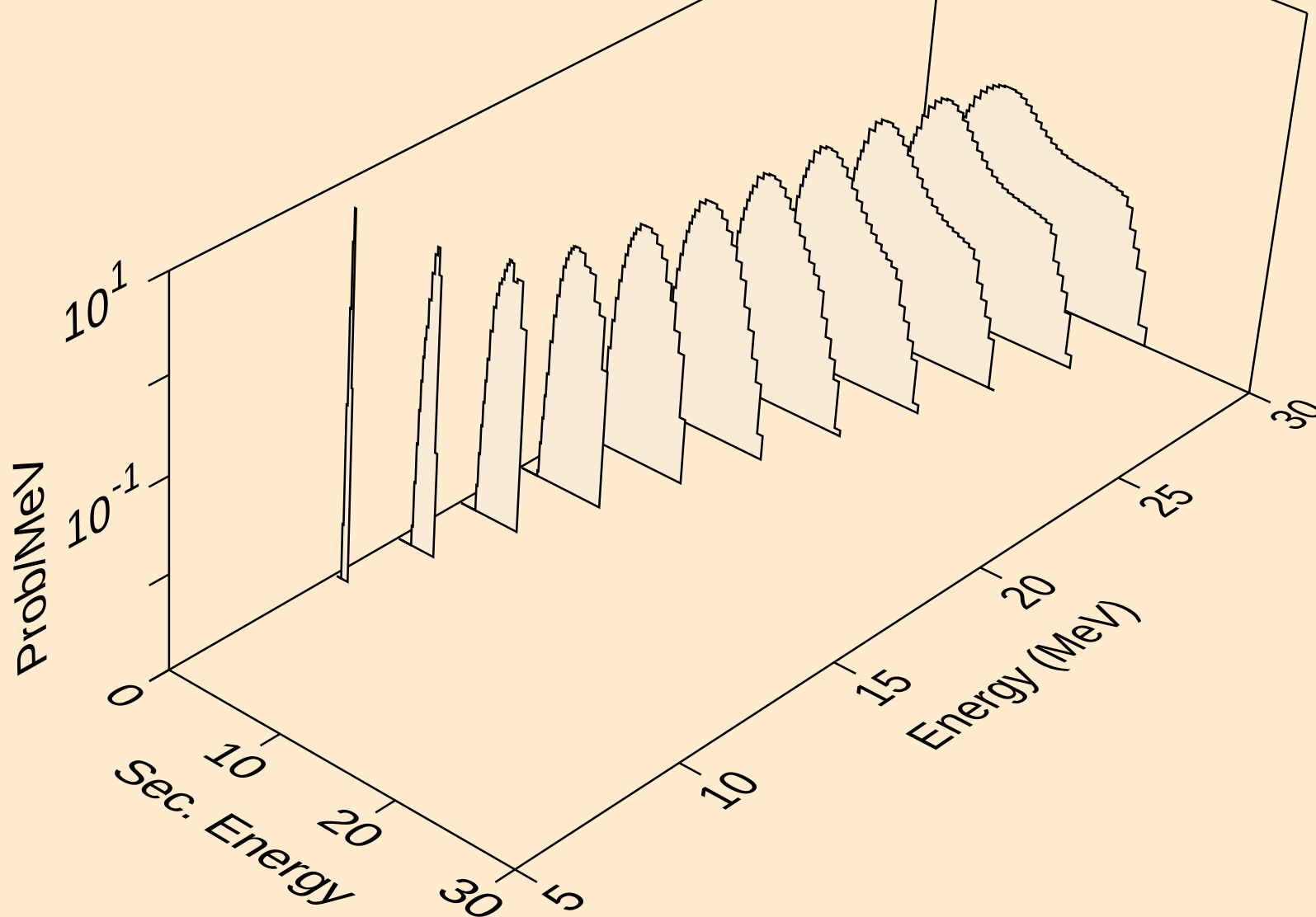
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angular distribution for elastic



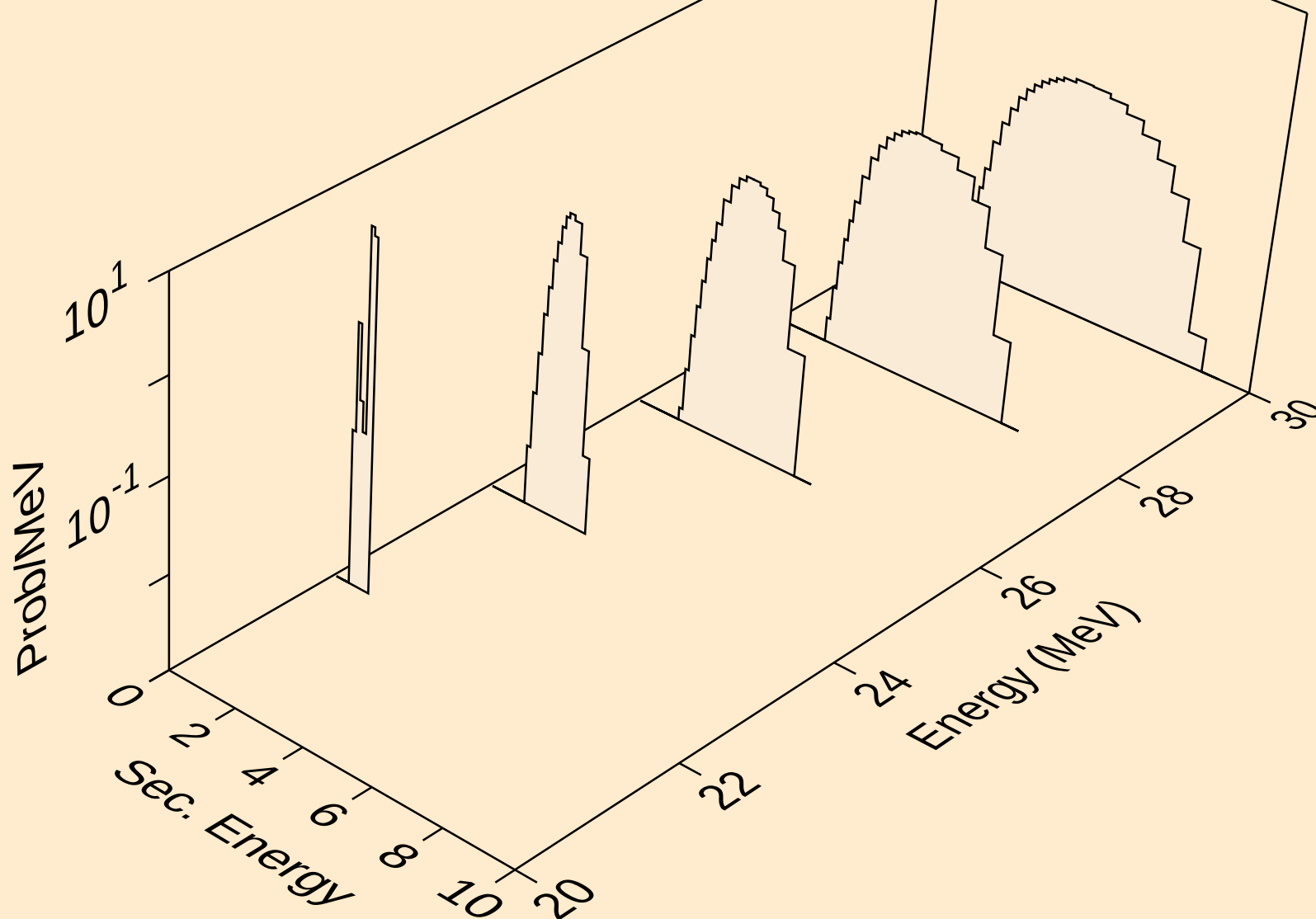
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,x)



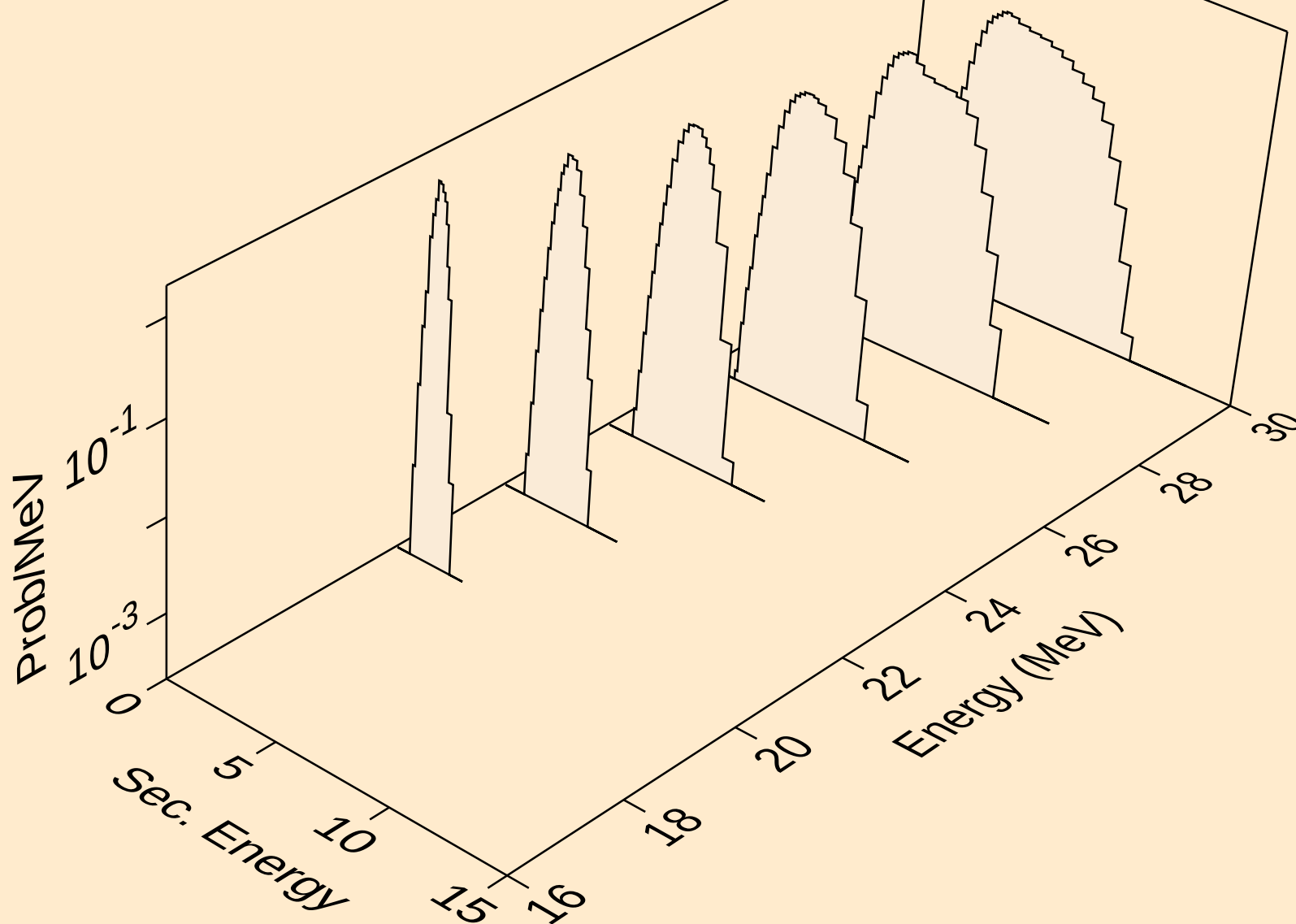
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Proton emission for (p,n*)p



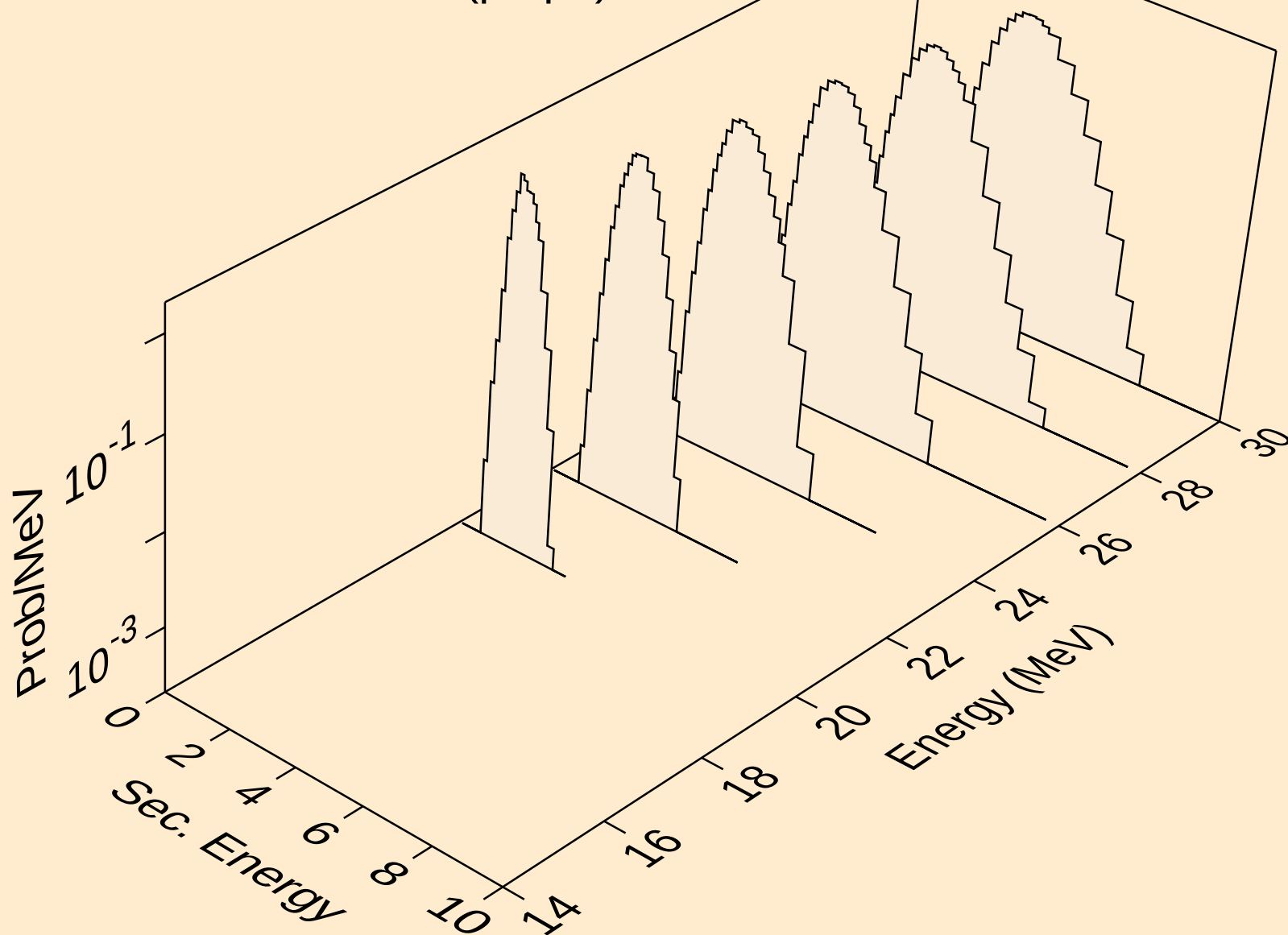
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,2np)



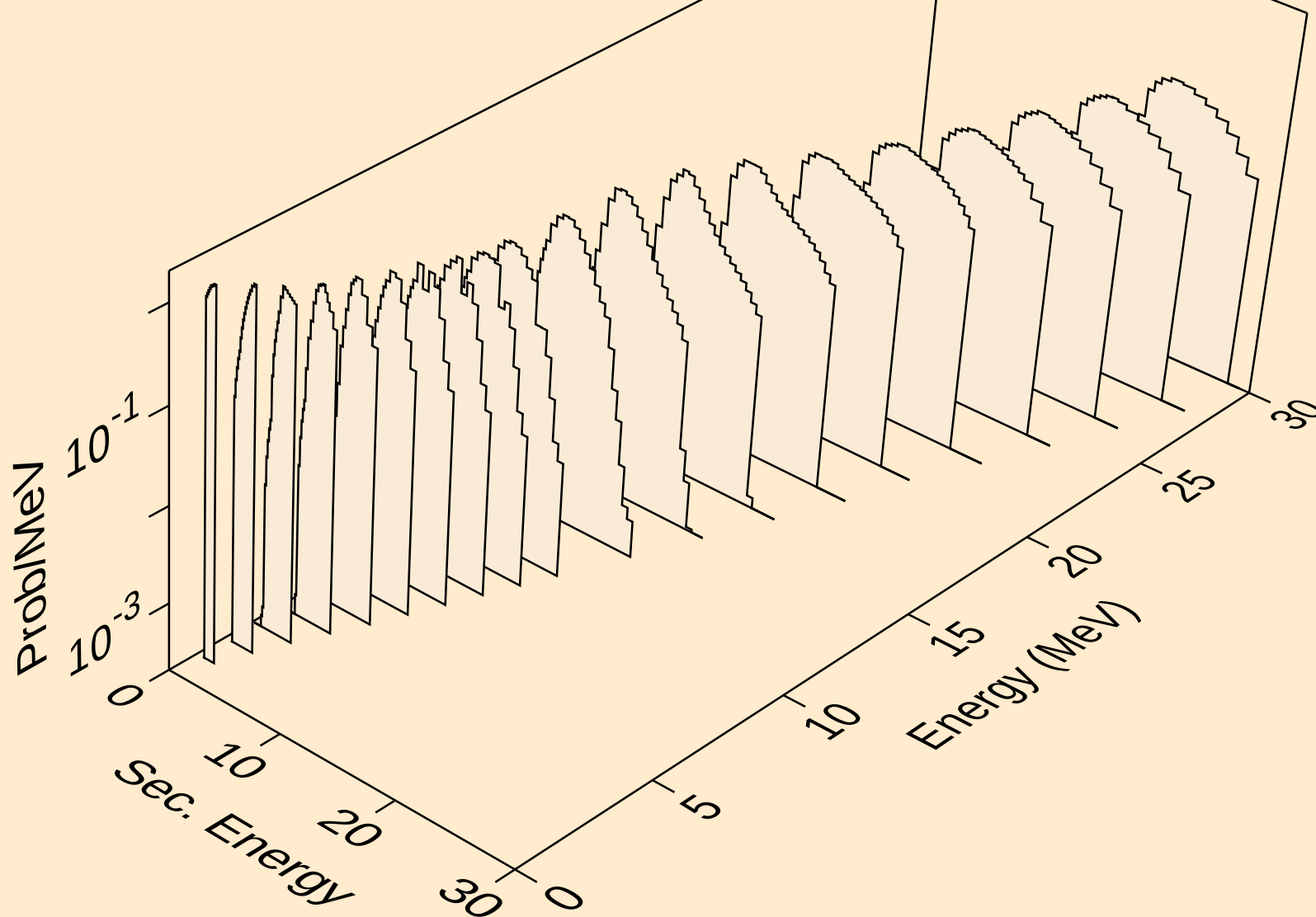
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Proton emission for (p,2np)



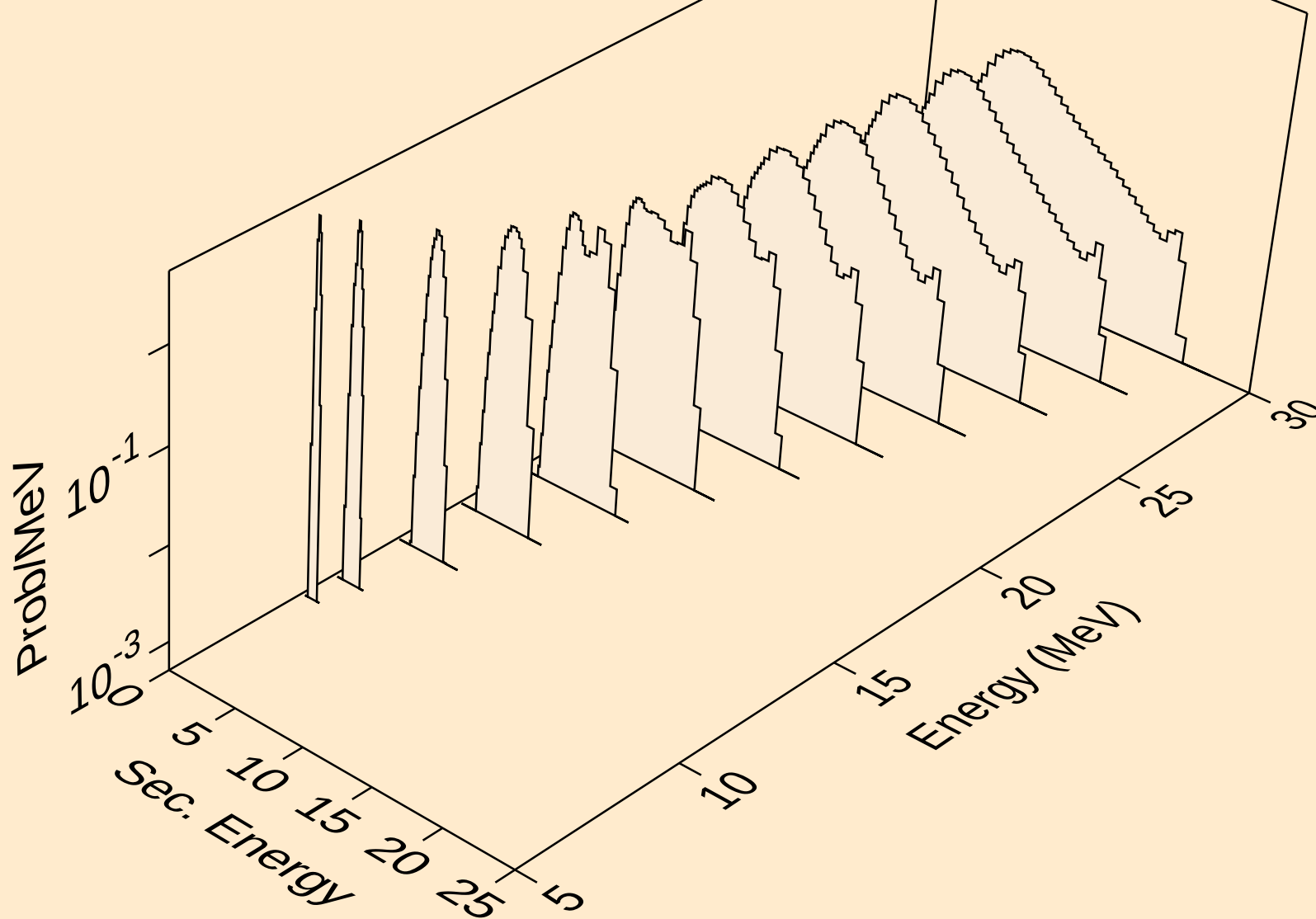
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Proton emission for (p,npa)



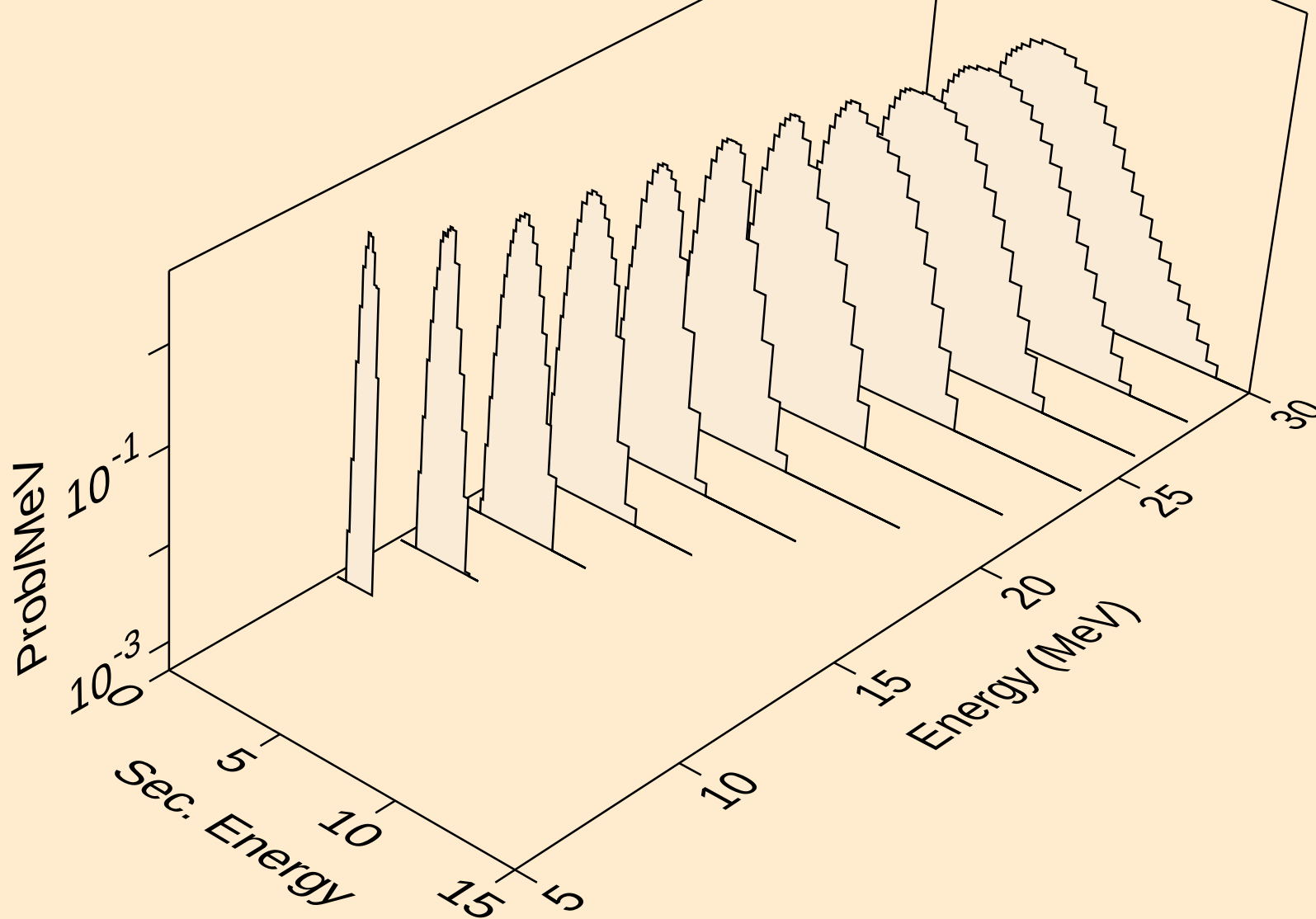
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for inelastic



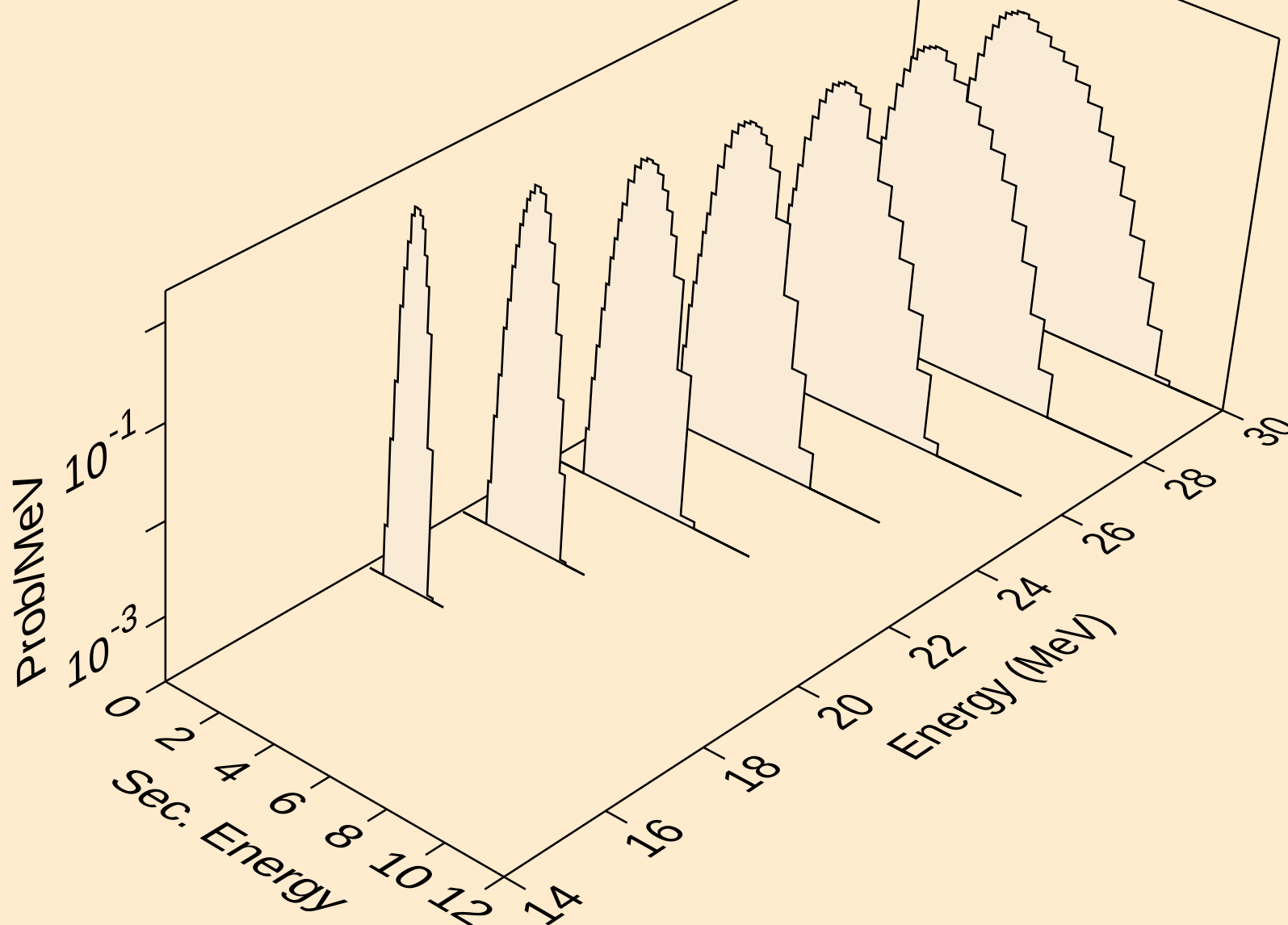
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Proton emission for (p,2p)



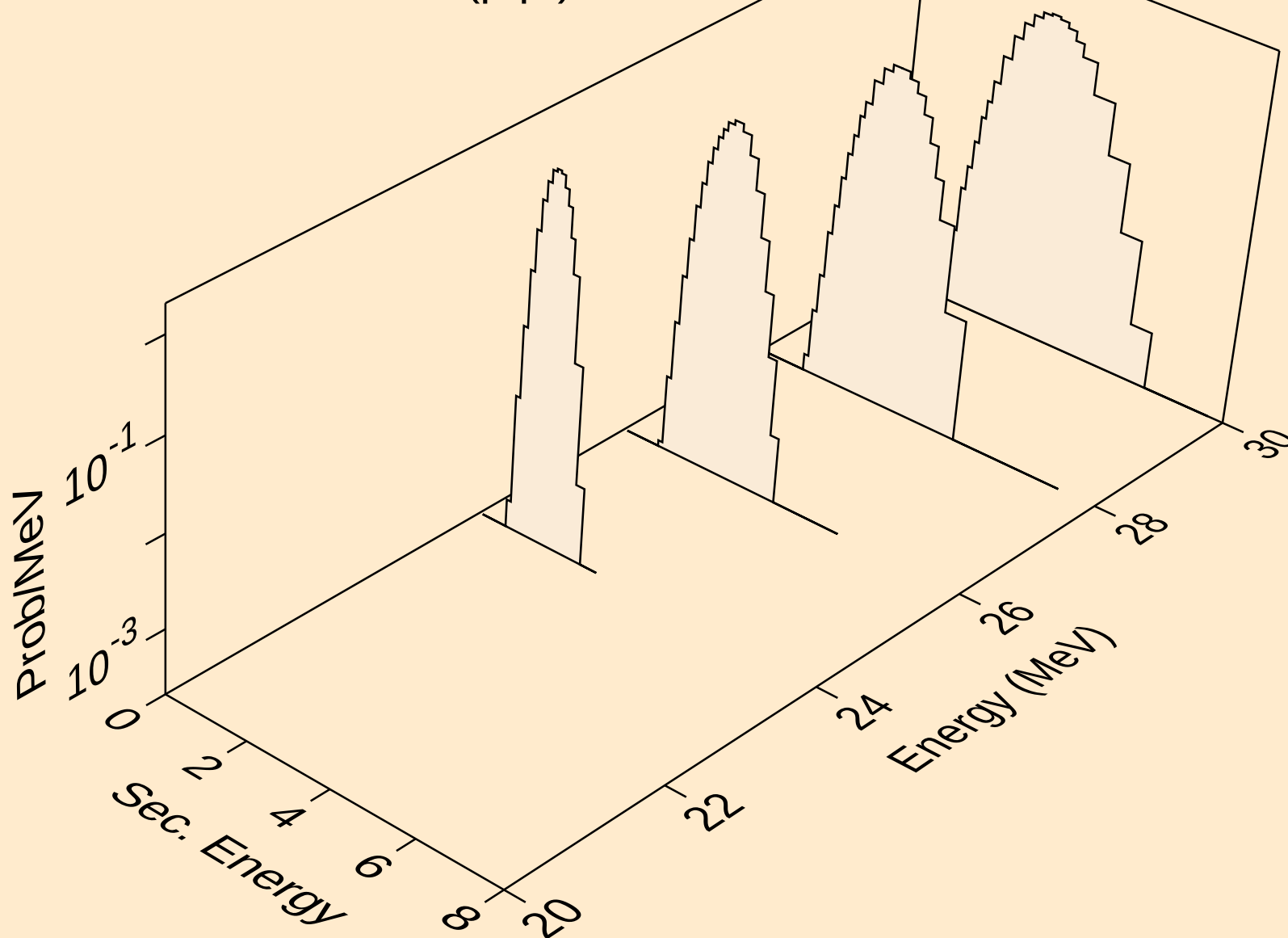
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Proton emission for (p,pa)



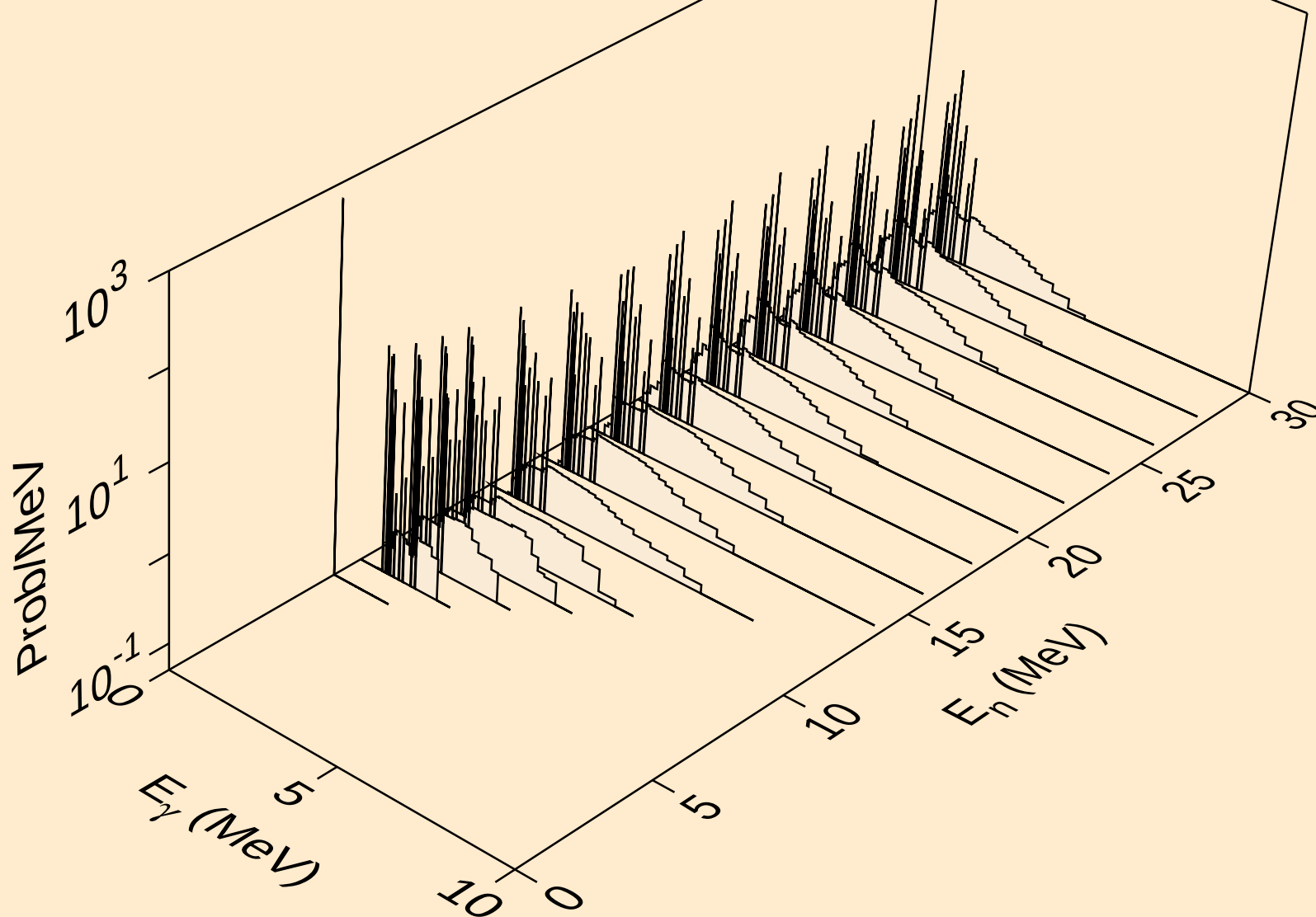
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Proton emission for (p,pd)



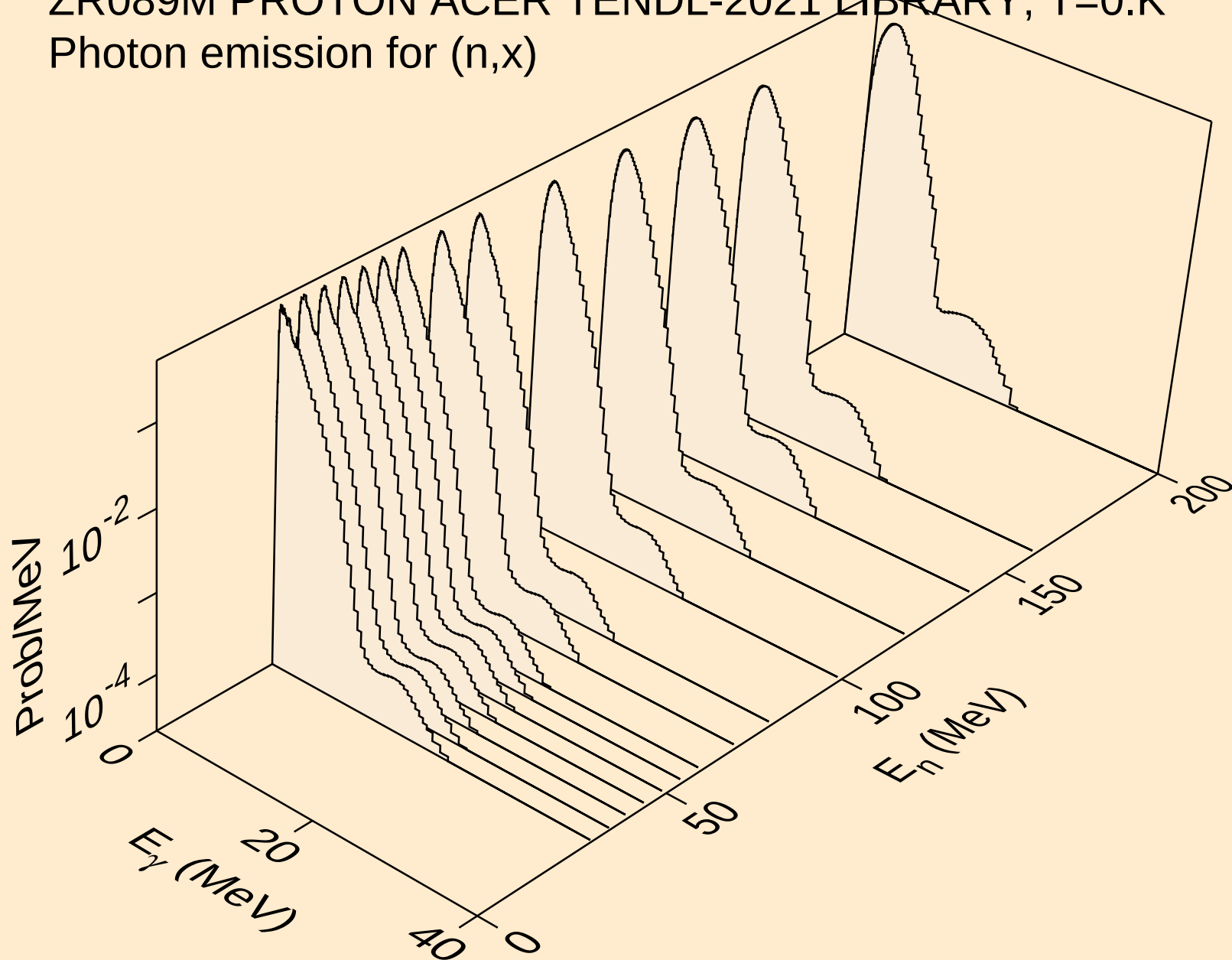
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Proton emission for (p,pt)



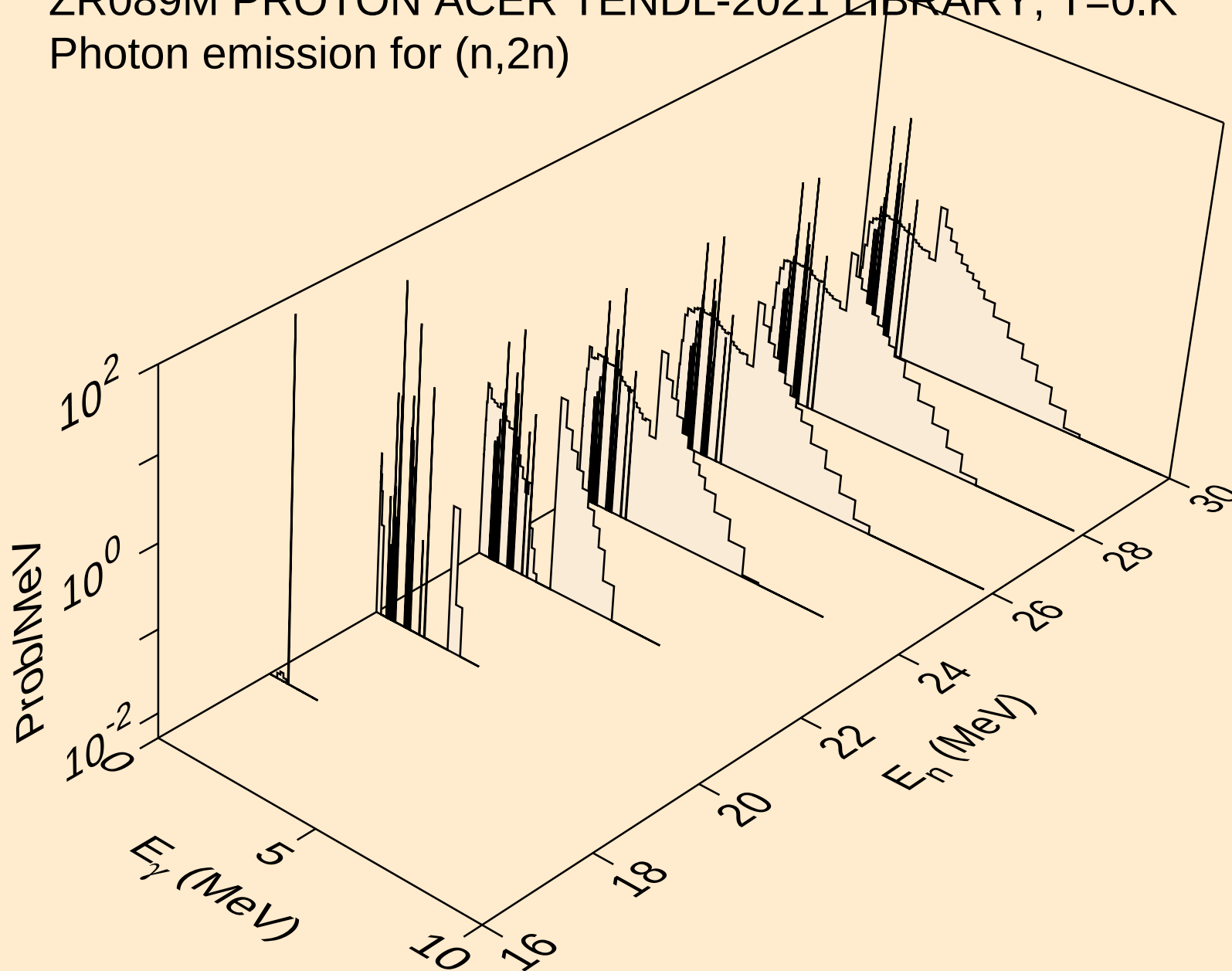
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Photon emission for (z,n)



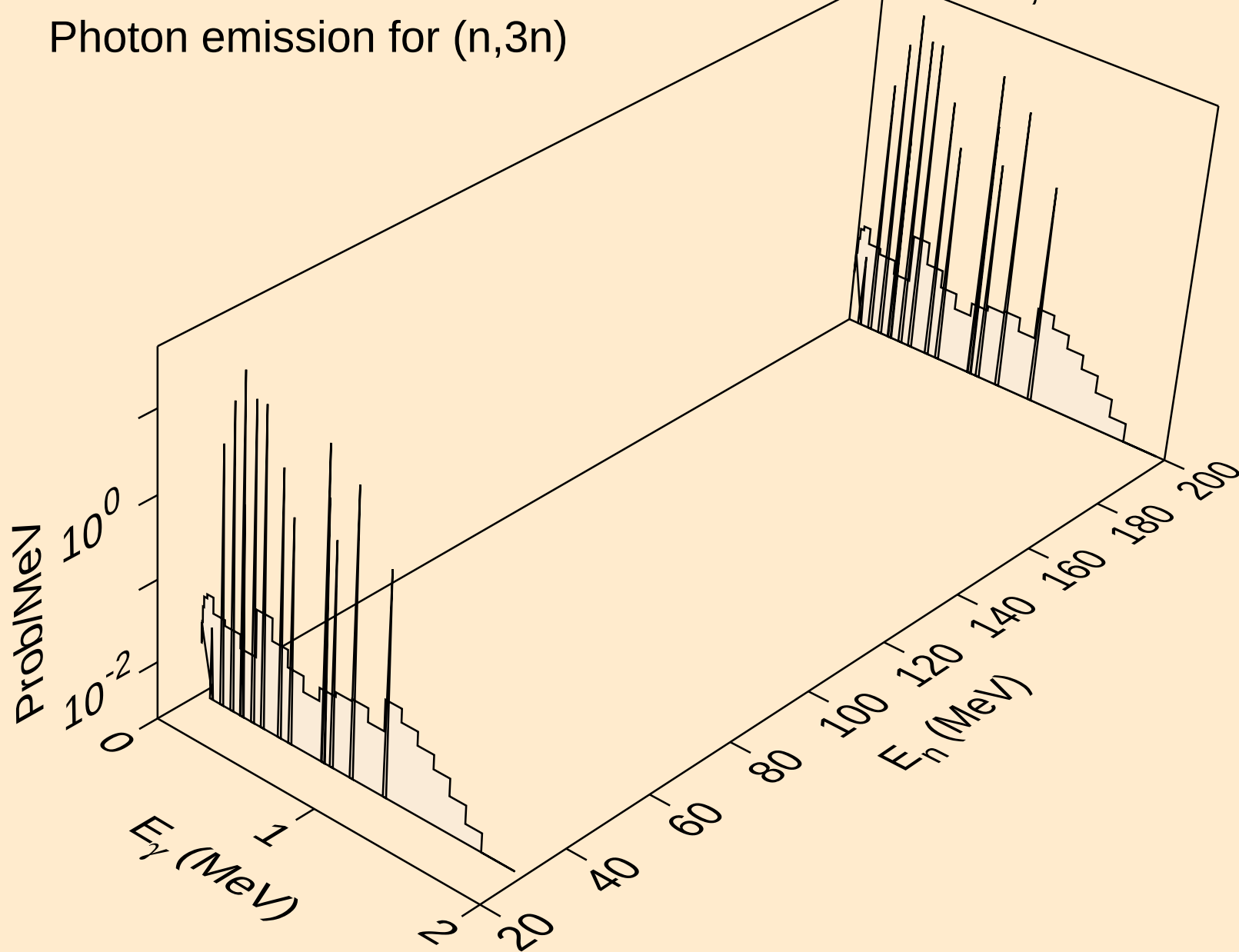
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,x)



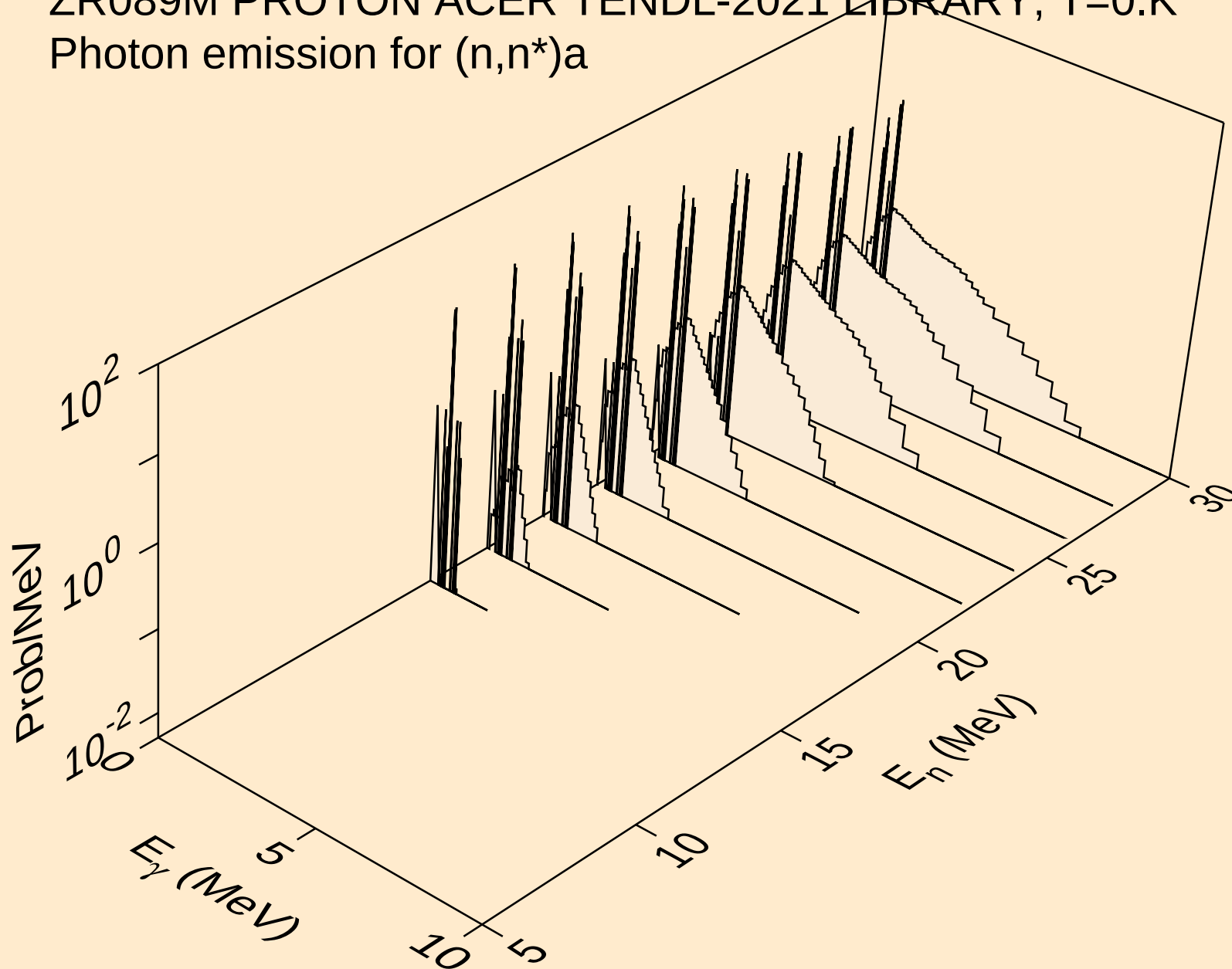
ZR089M PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,2n)



ZR089M PROTON ACER TENDL-2021 LIBRARY; $T=0.K$
Photon emission for (n,3n)

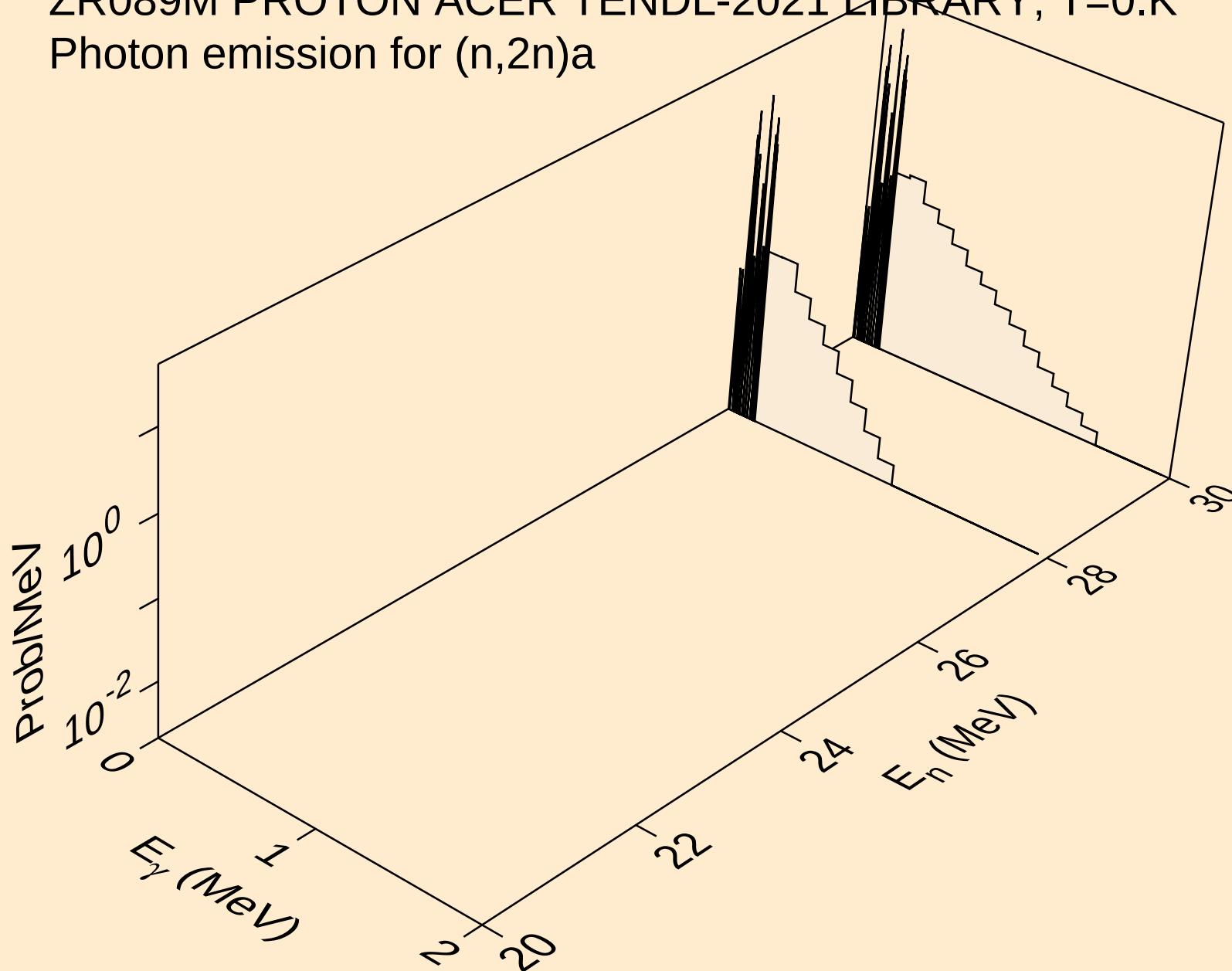


ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a



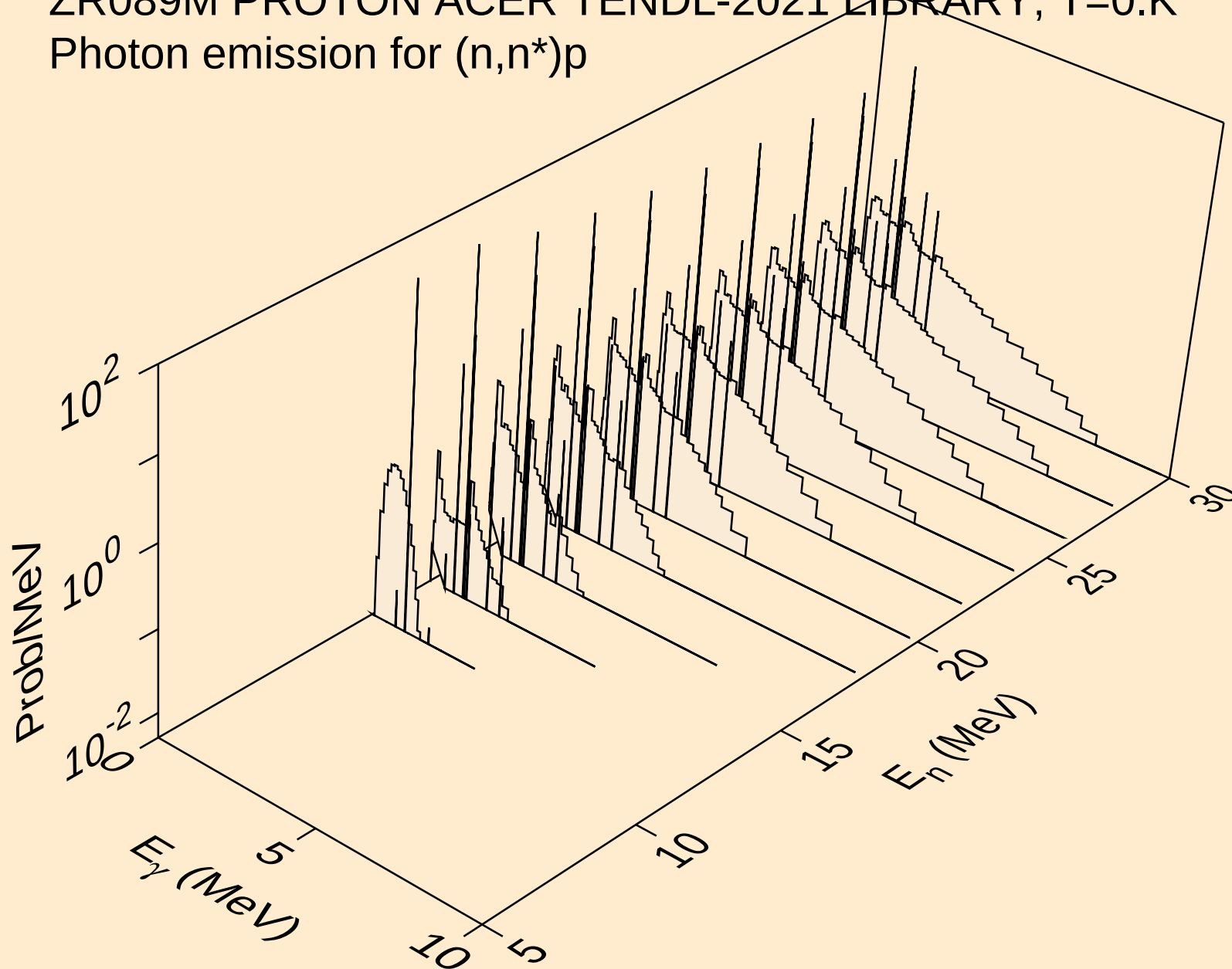
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Photon emission for (n,2n) α



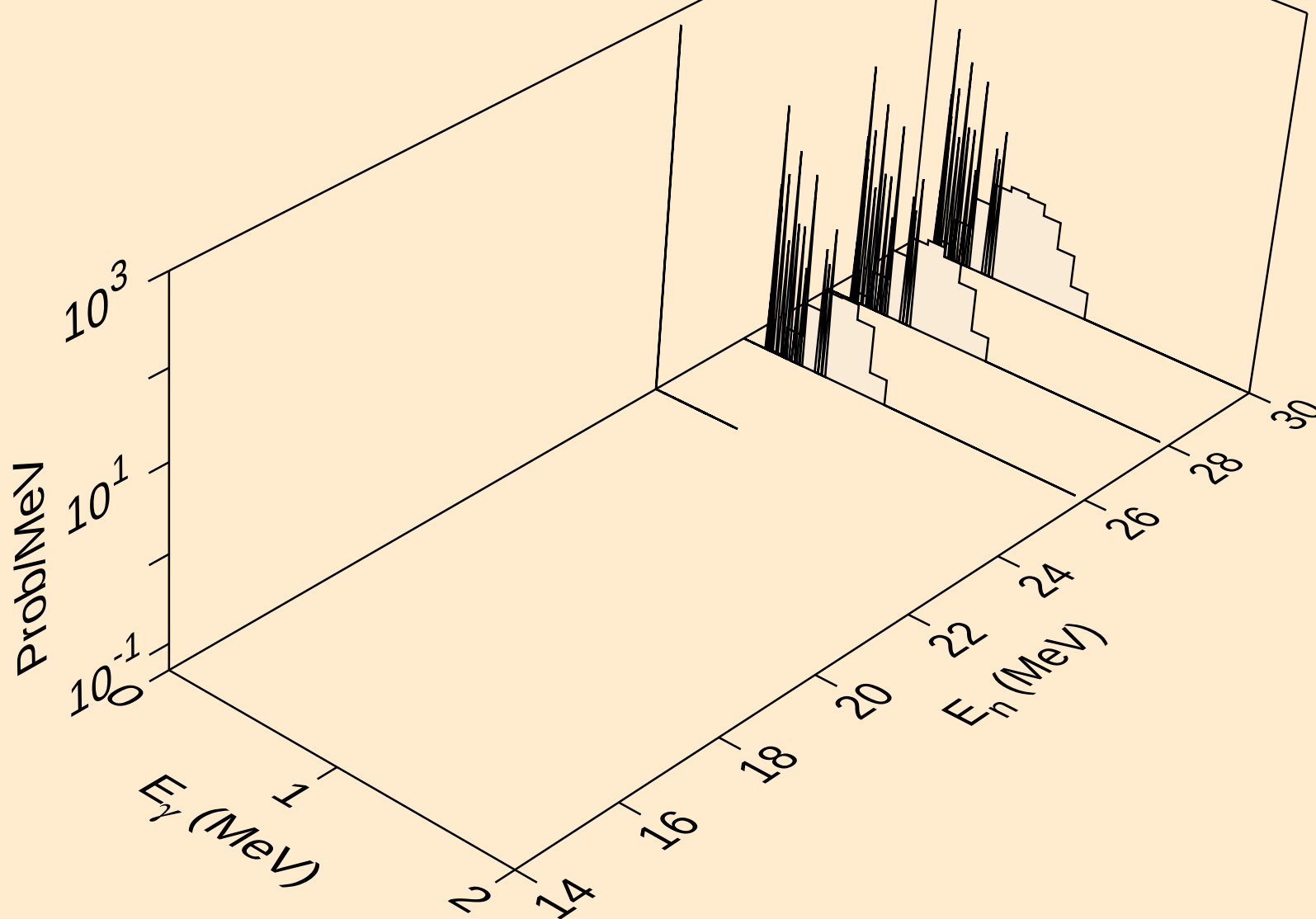
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Photon emission for $(n,n^*)p$

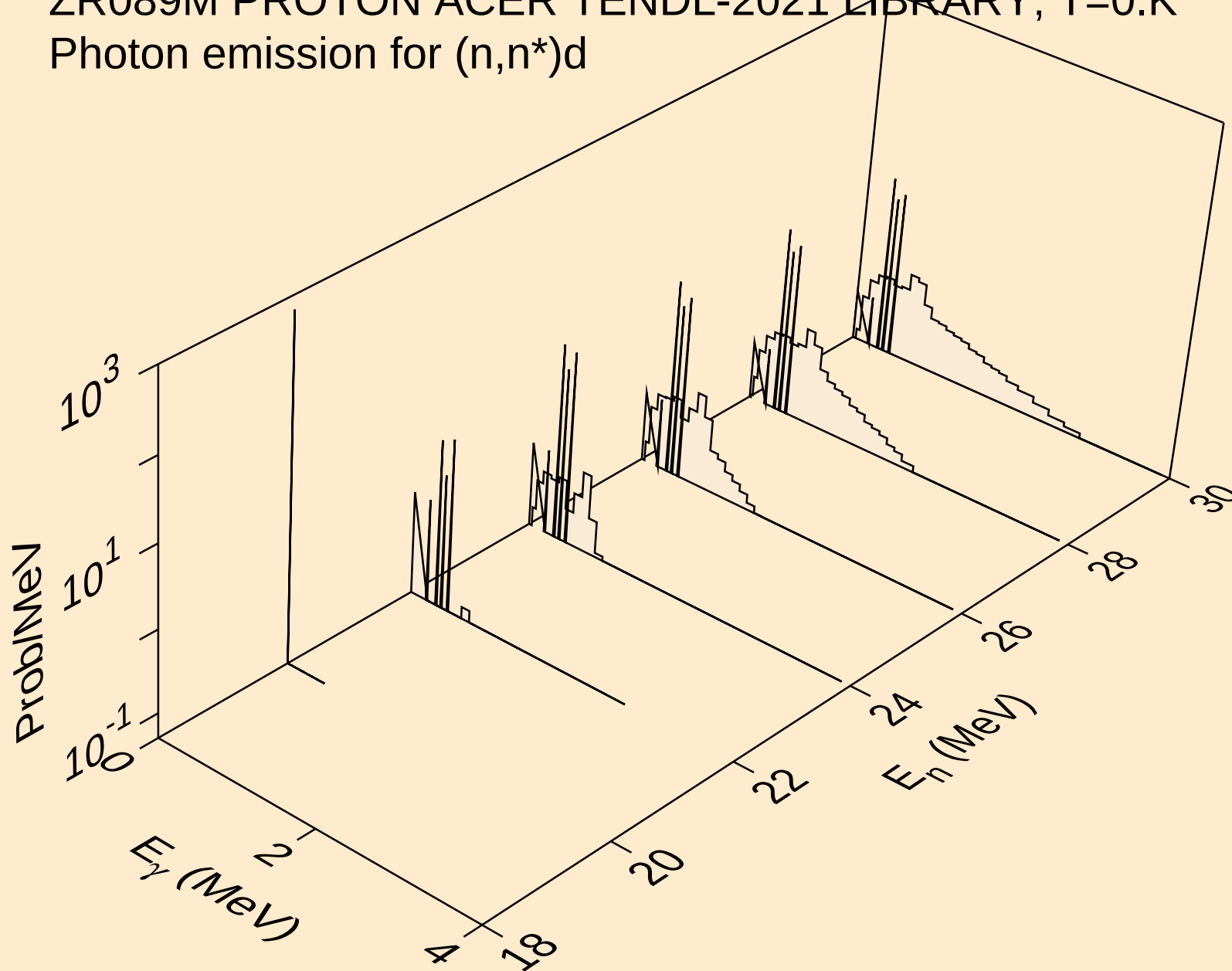


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Photon emission for (n,n*)2a

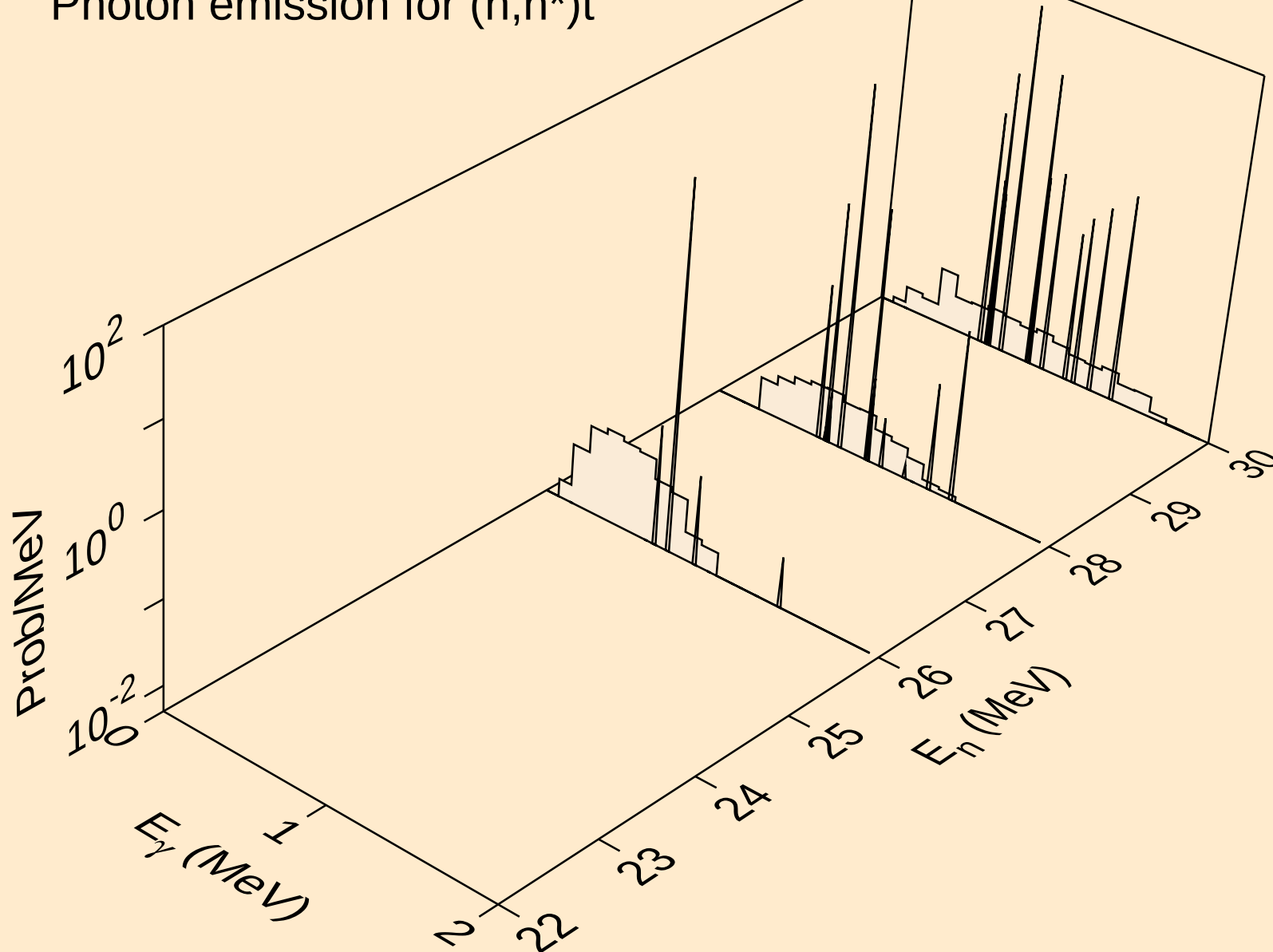


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Photon emission for $(n,n^*)d$

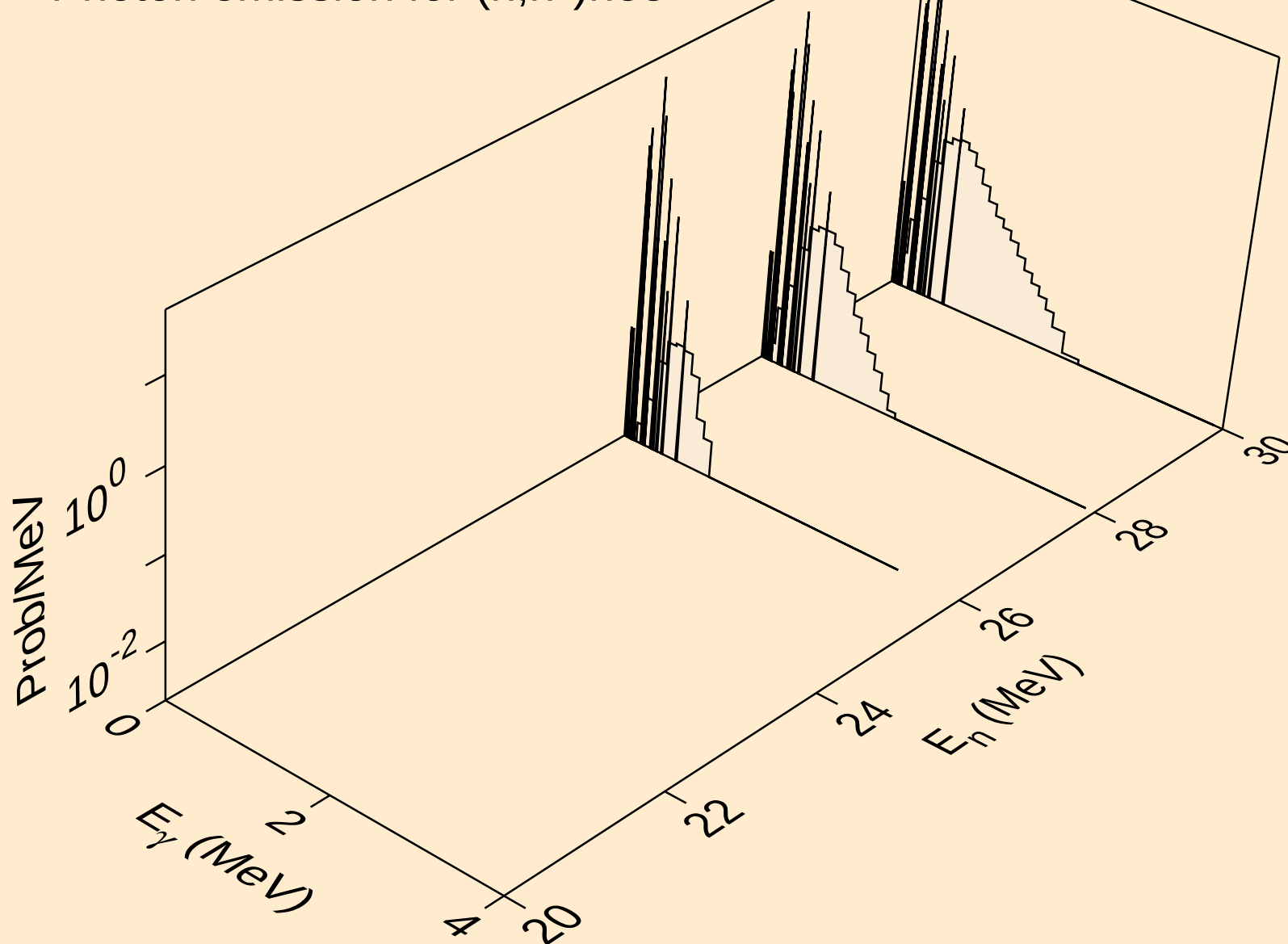


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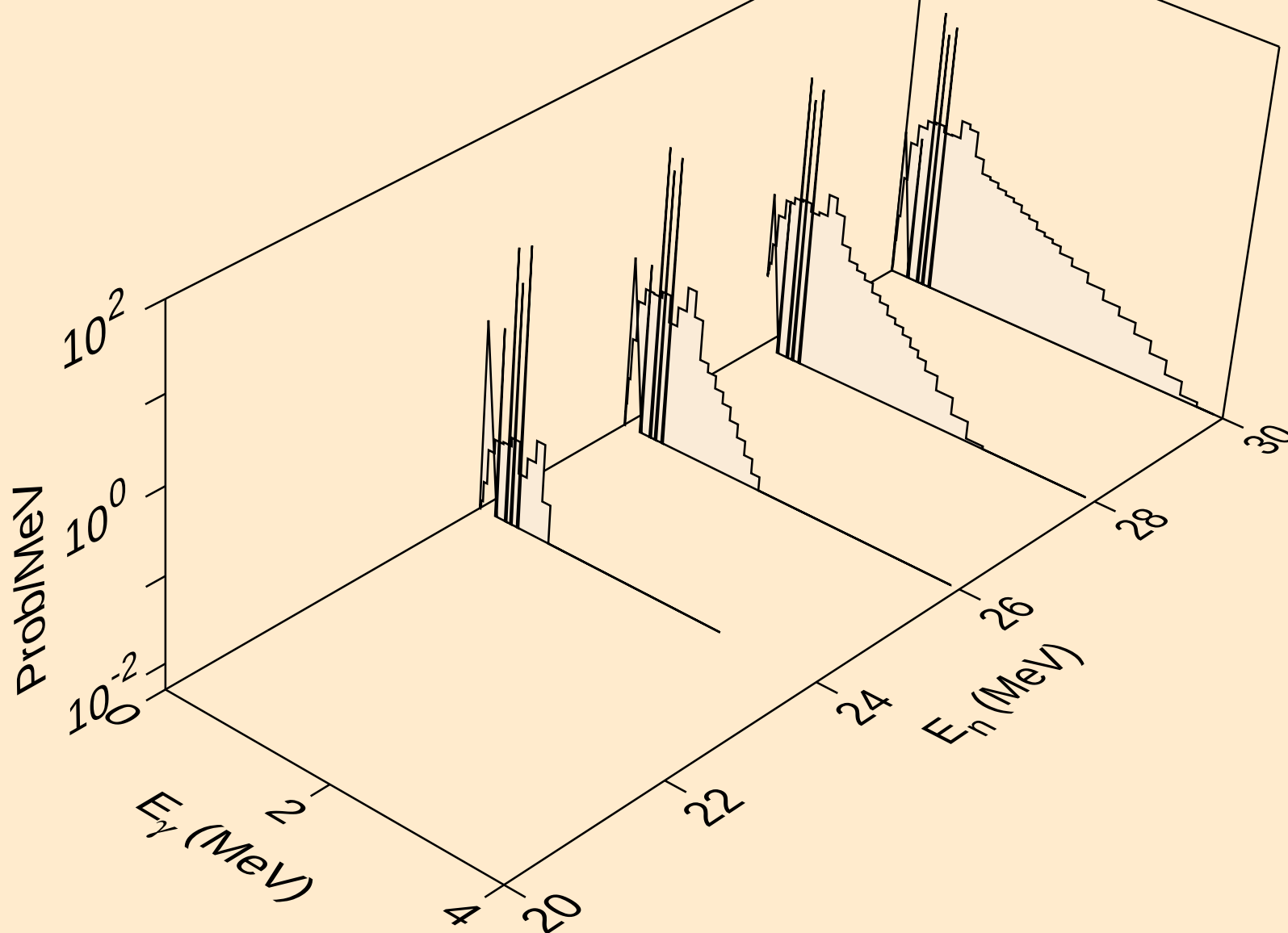
Photon emission for (n,n*)t



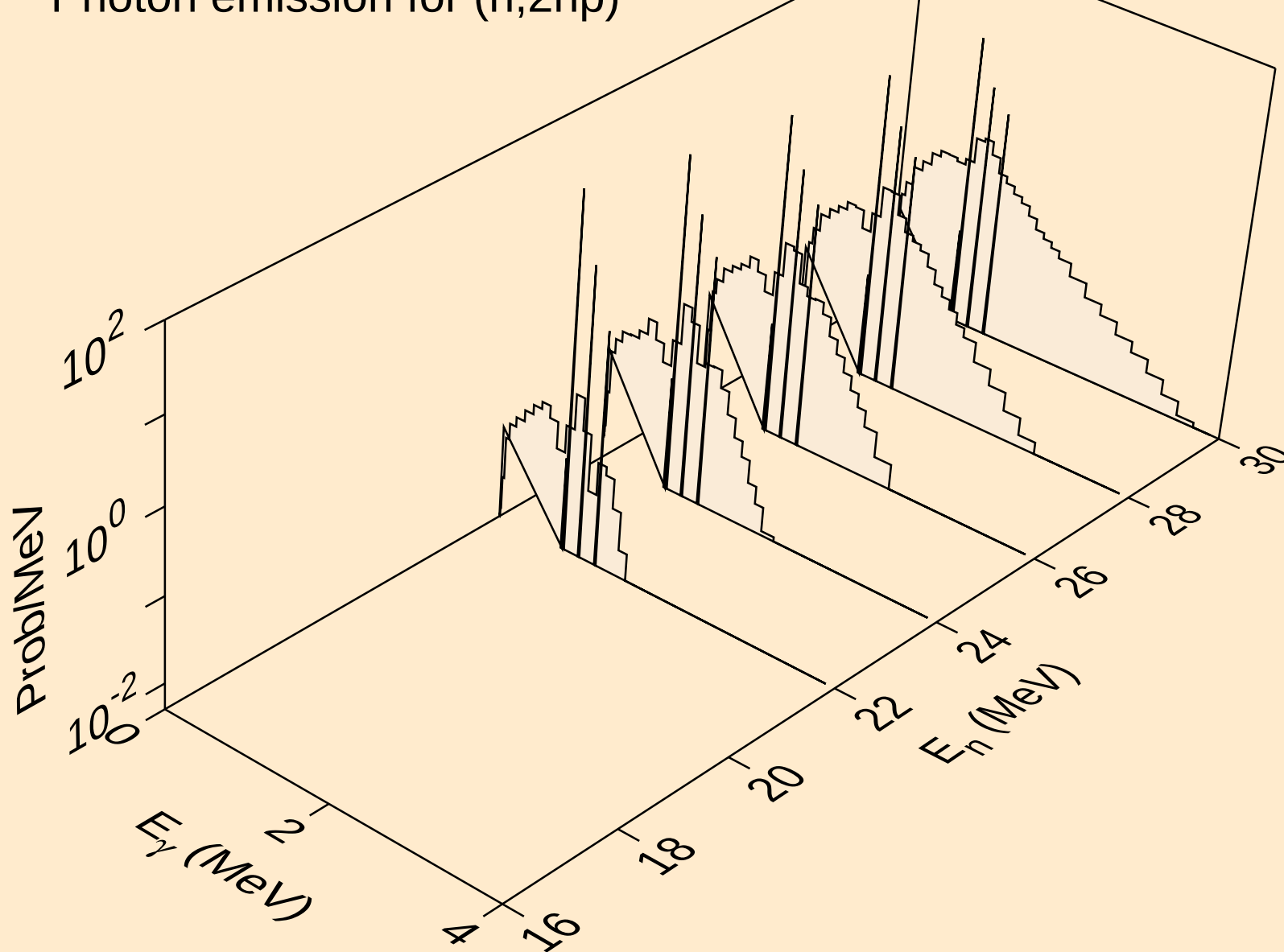
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Photon emission for (n,n*)he3



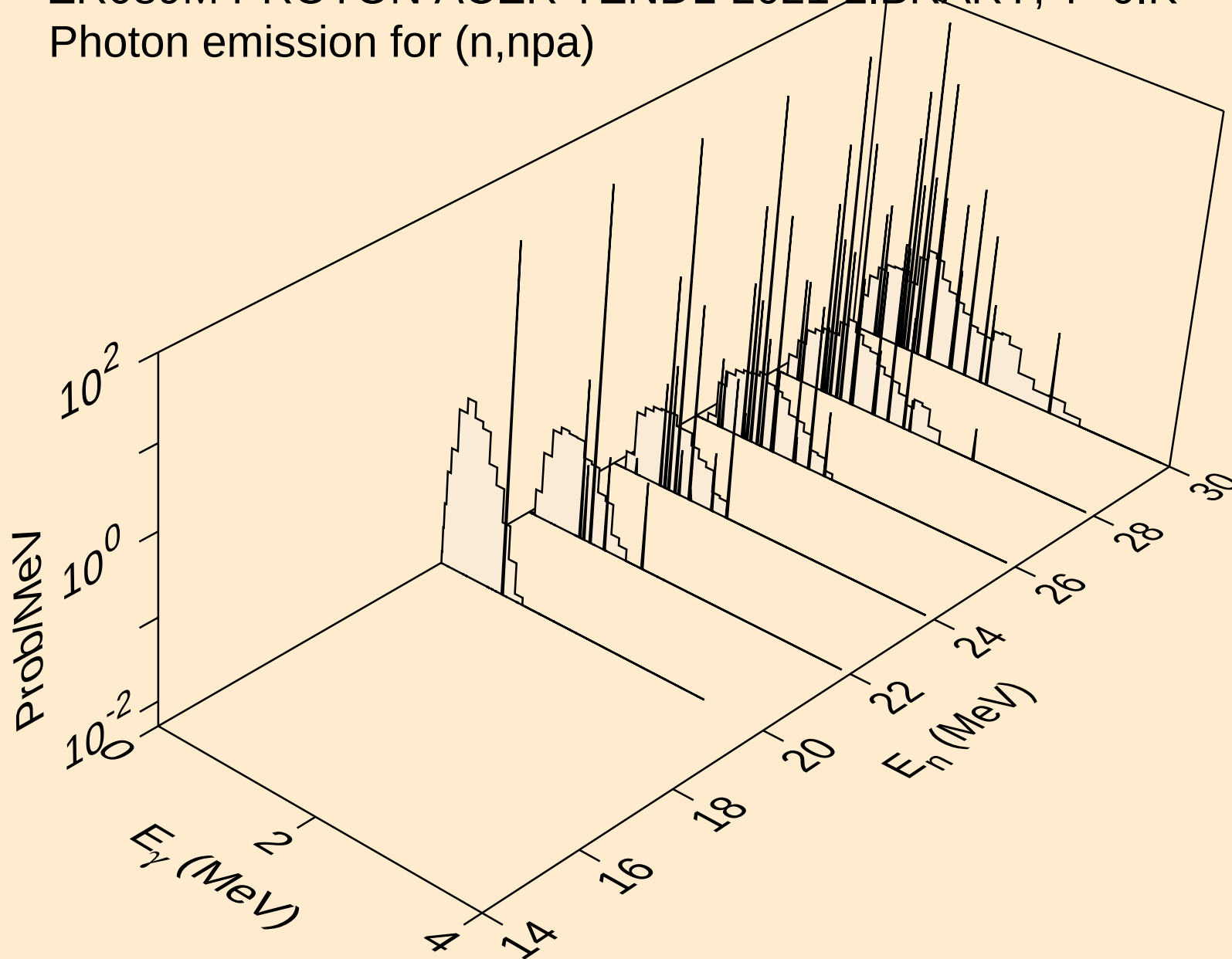
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Photon emission for (n,2np)



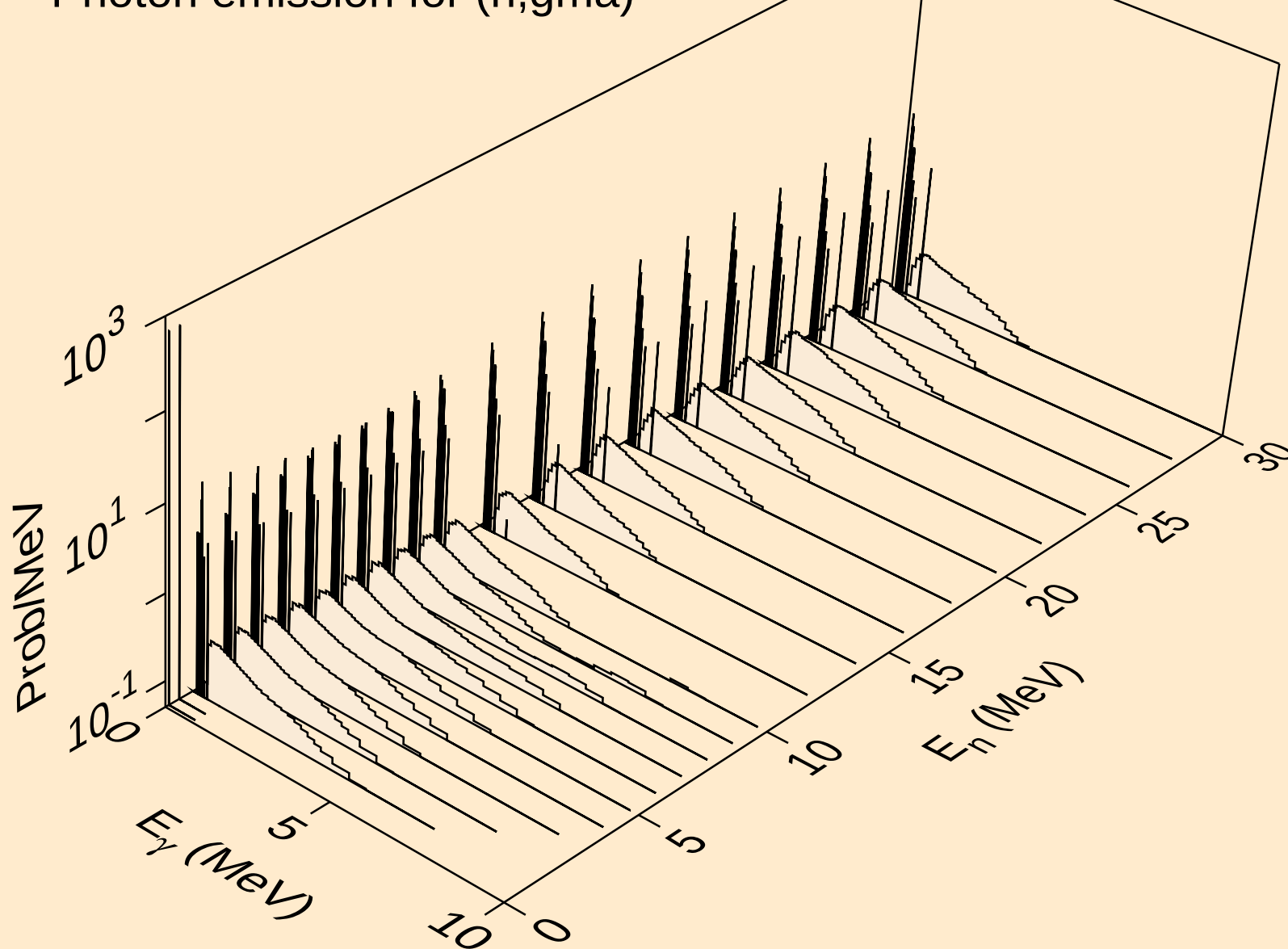
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Photon emission for (n,2np)



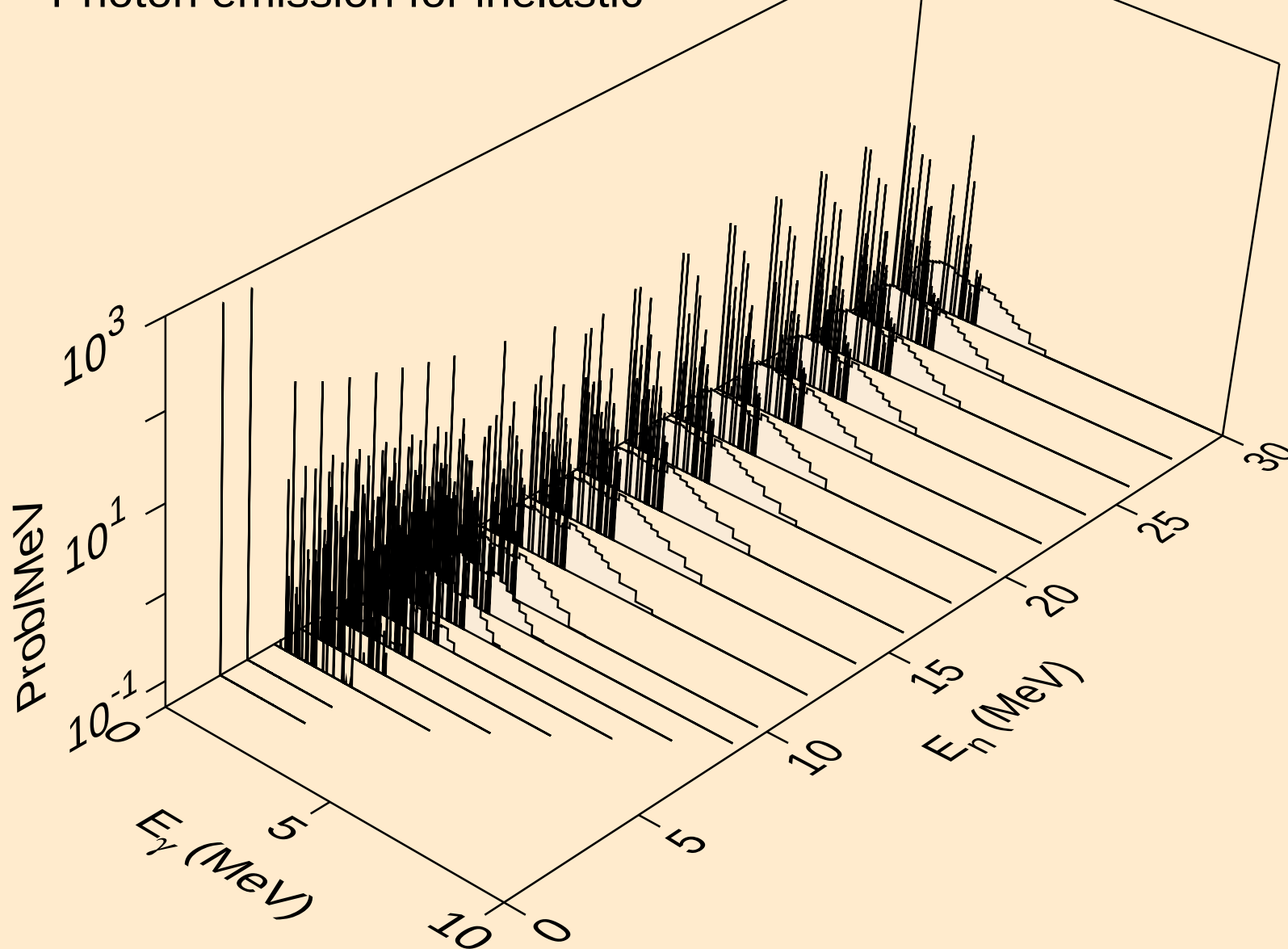
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Photon emission for (n,npa)



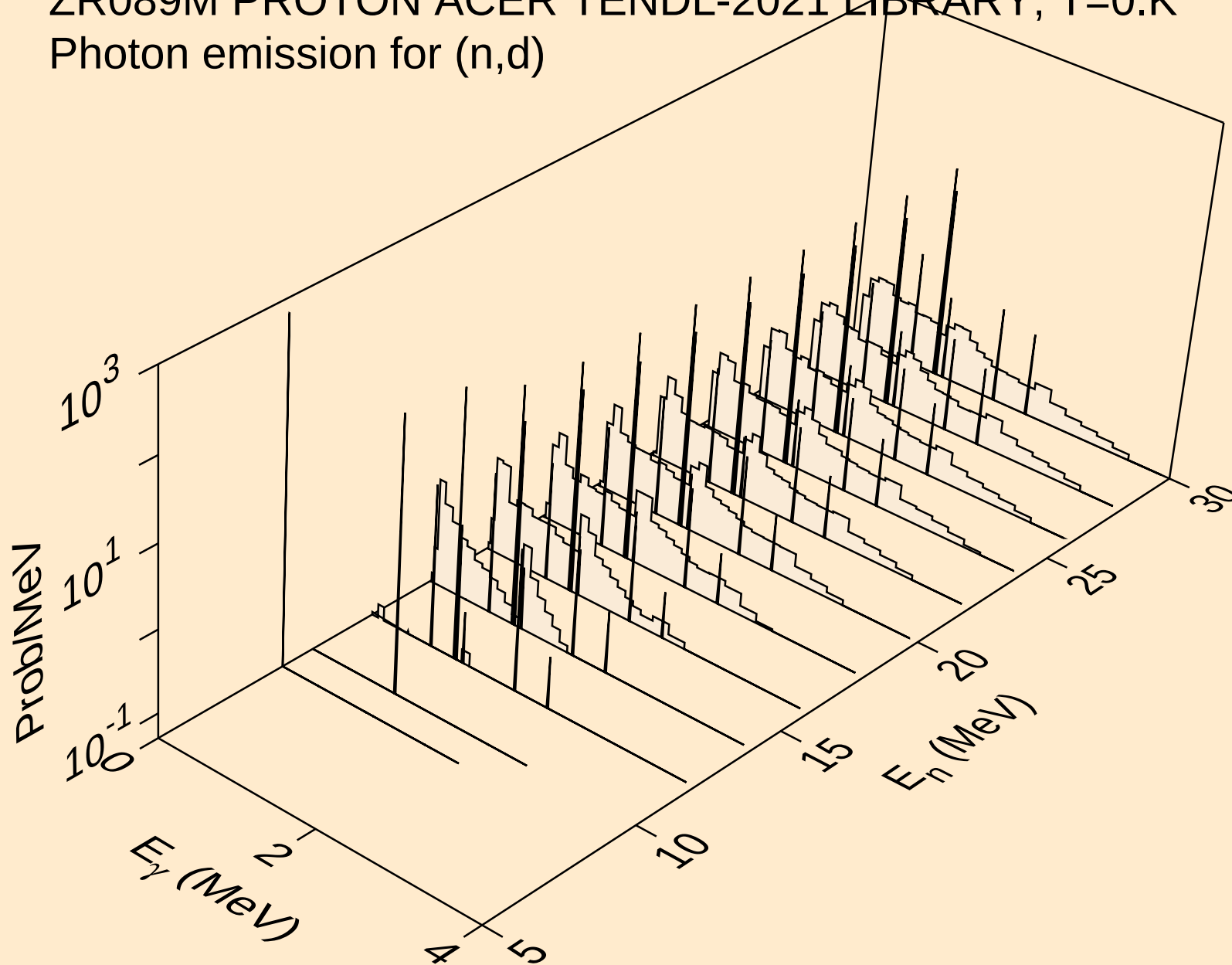
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Photon emission for (n,gma)



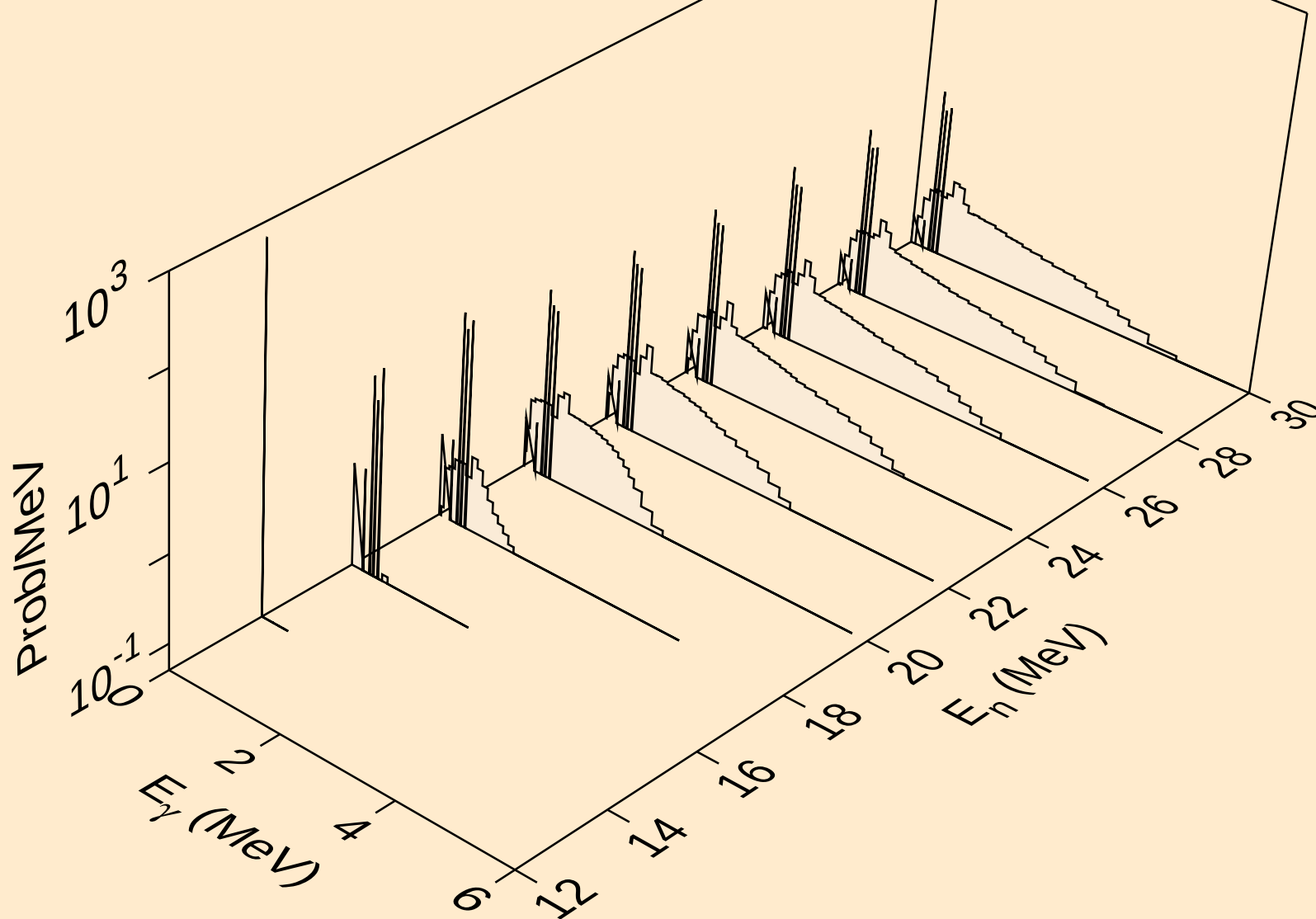
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Photon emission for inelastic



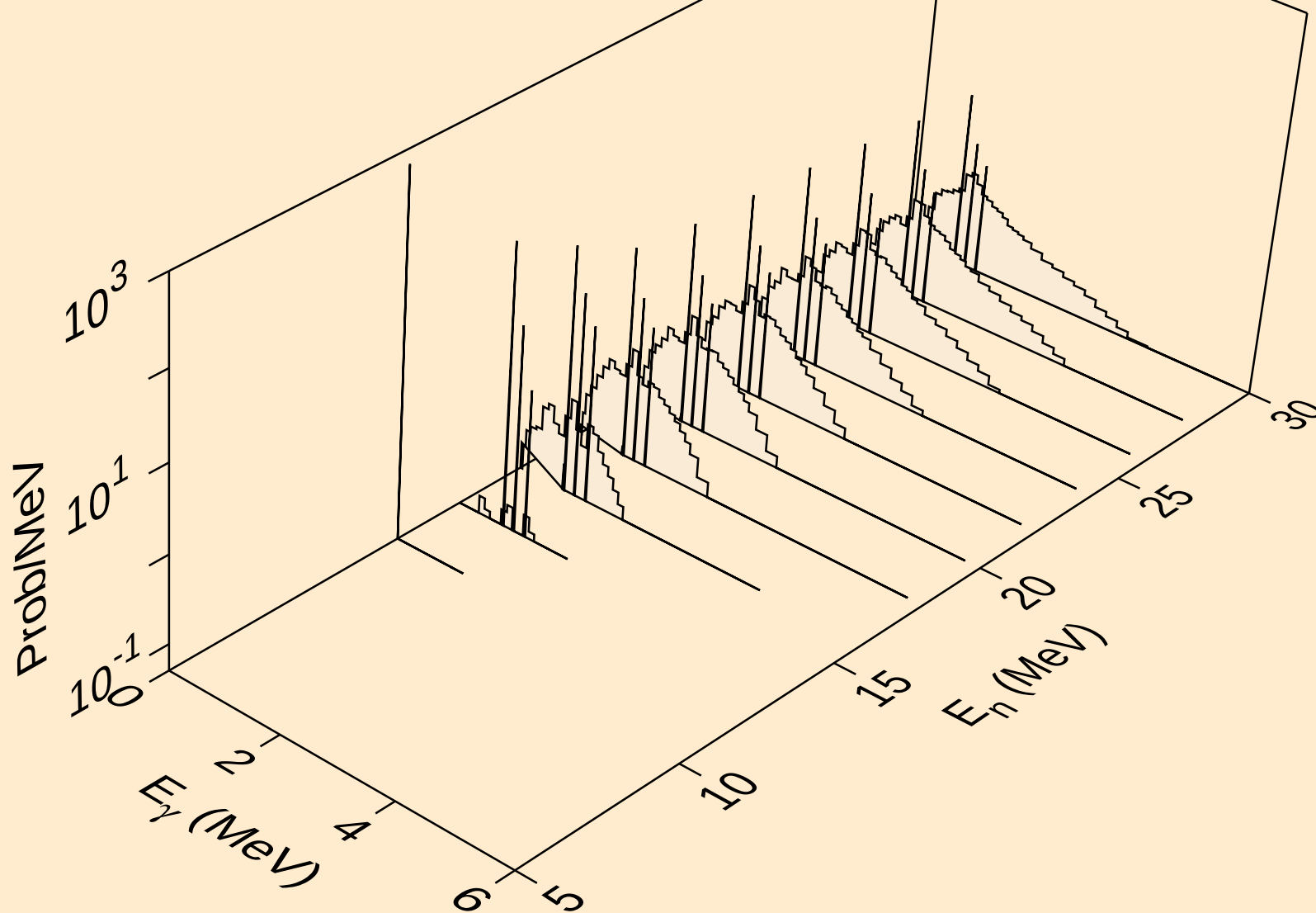
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Photon emission for (n,d)



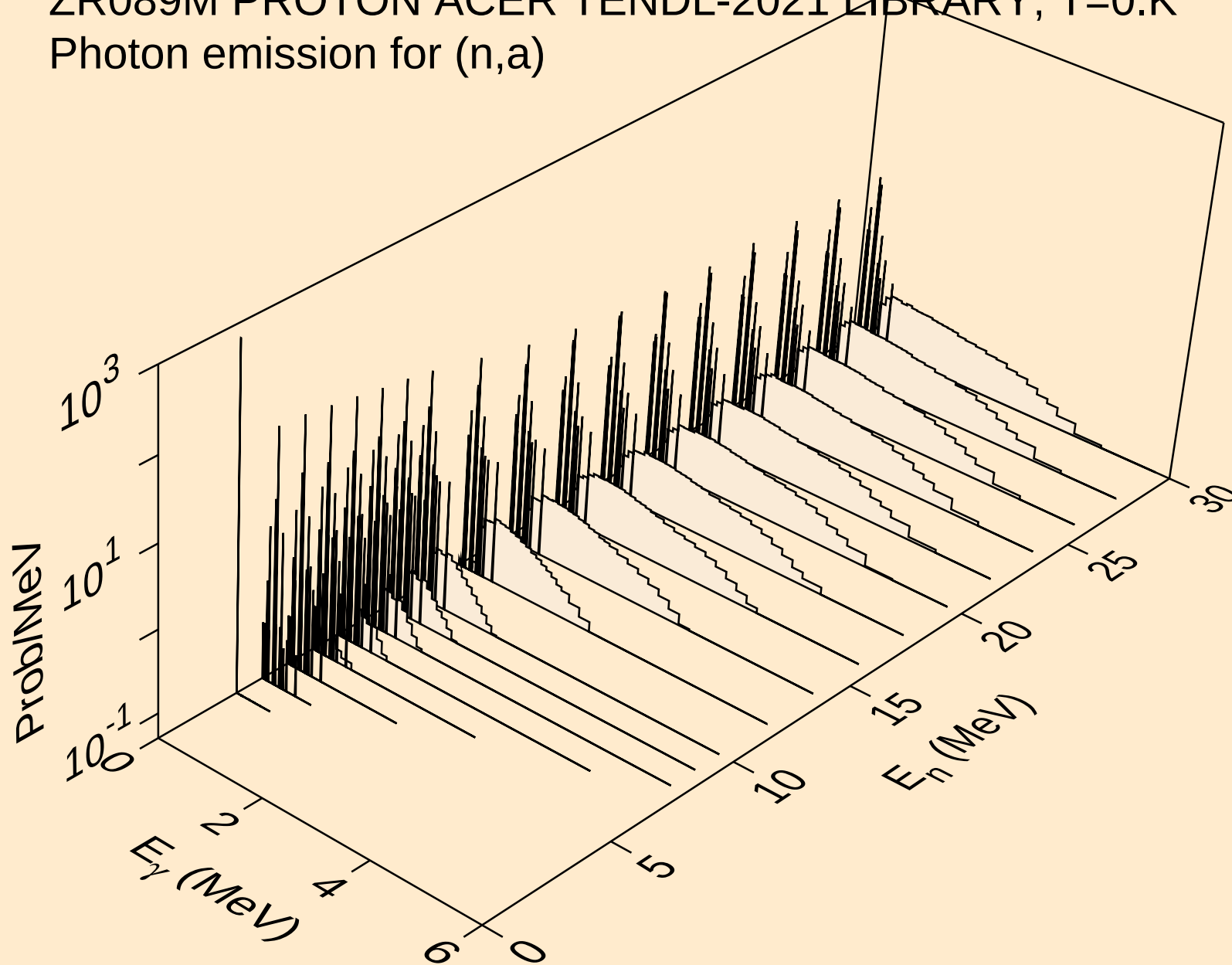
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Photon emission for (n,t)



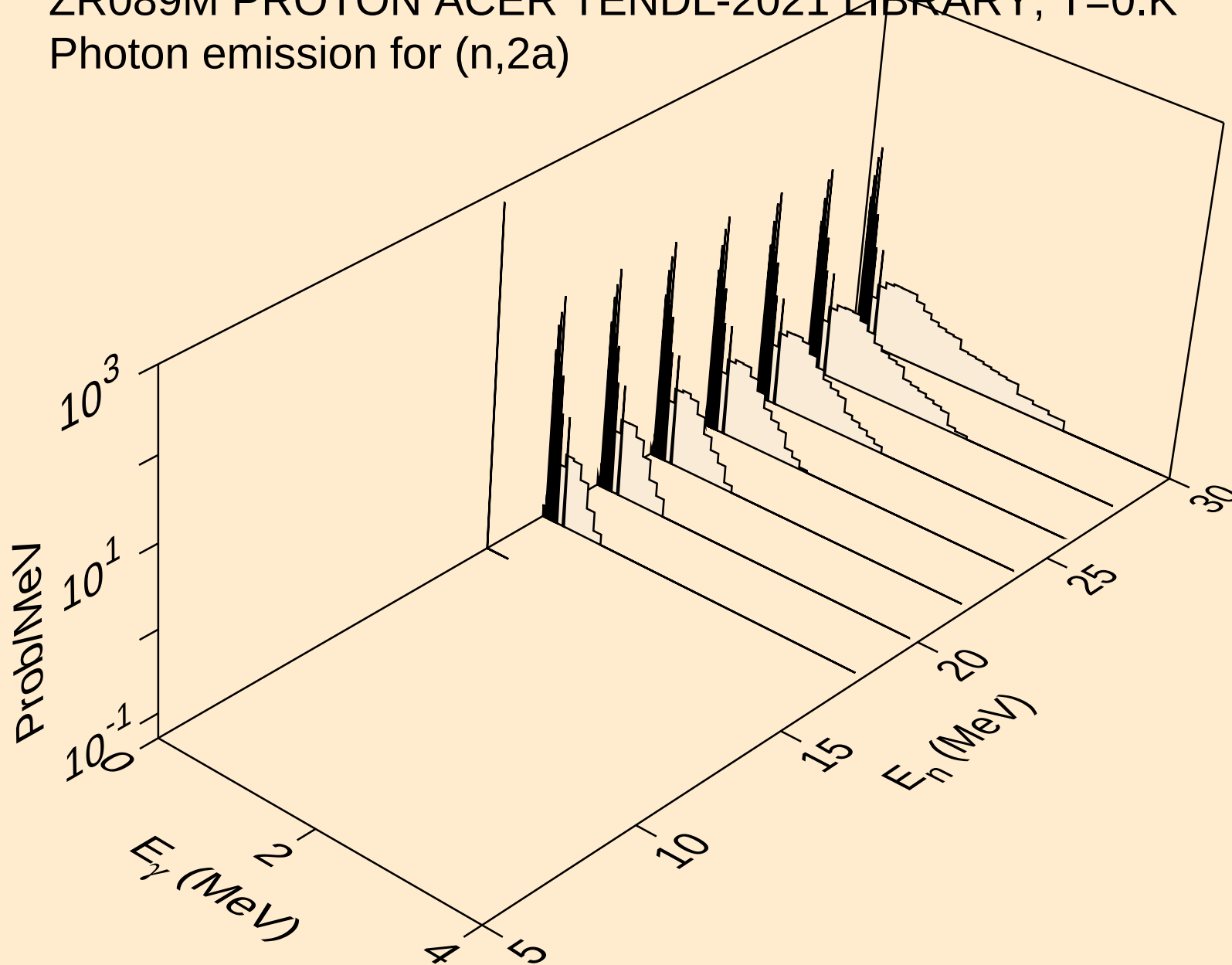
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Photon emission for (n,he3)



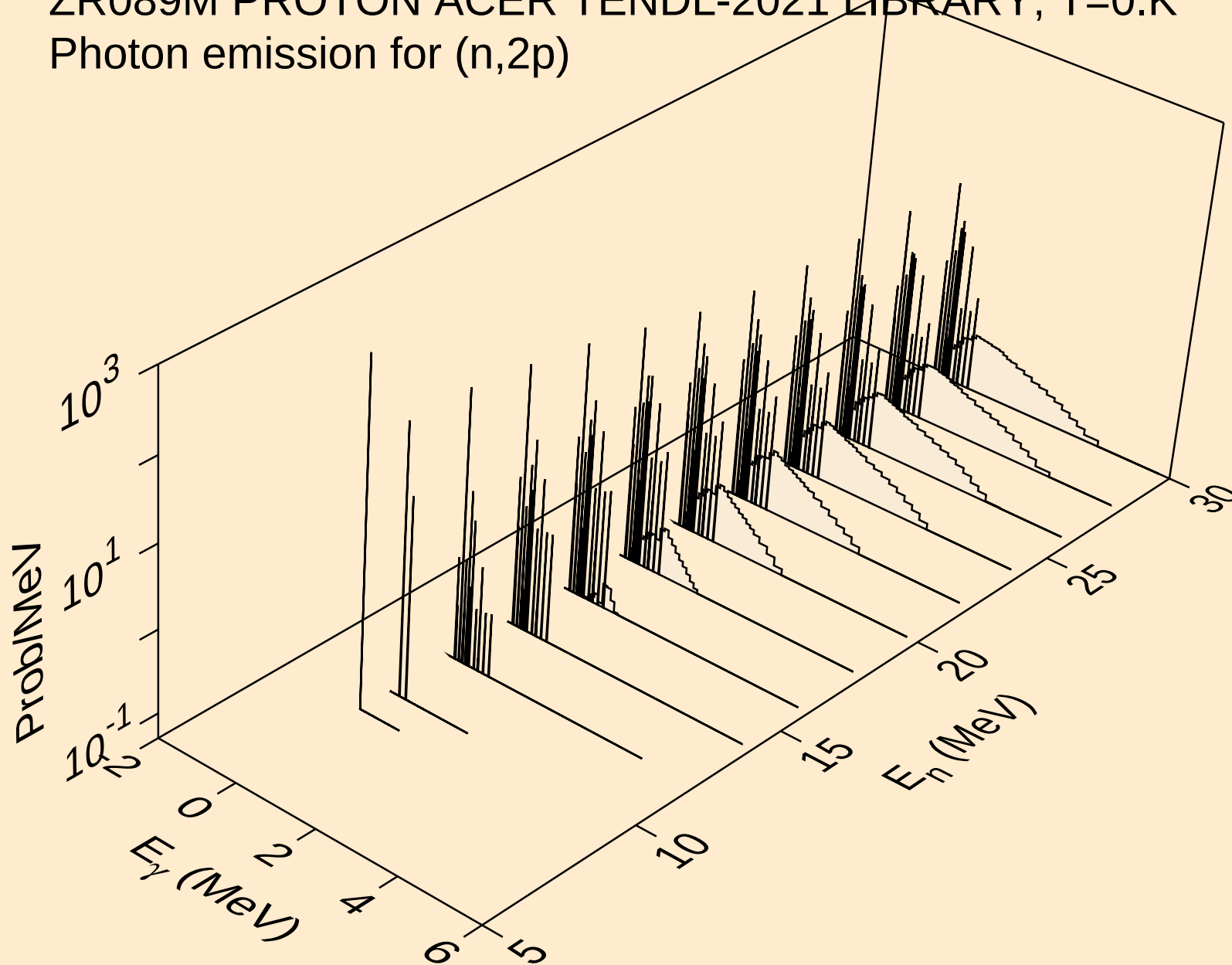
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Photon emission for (n,a)



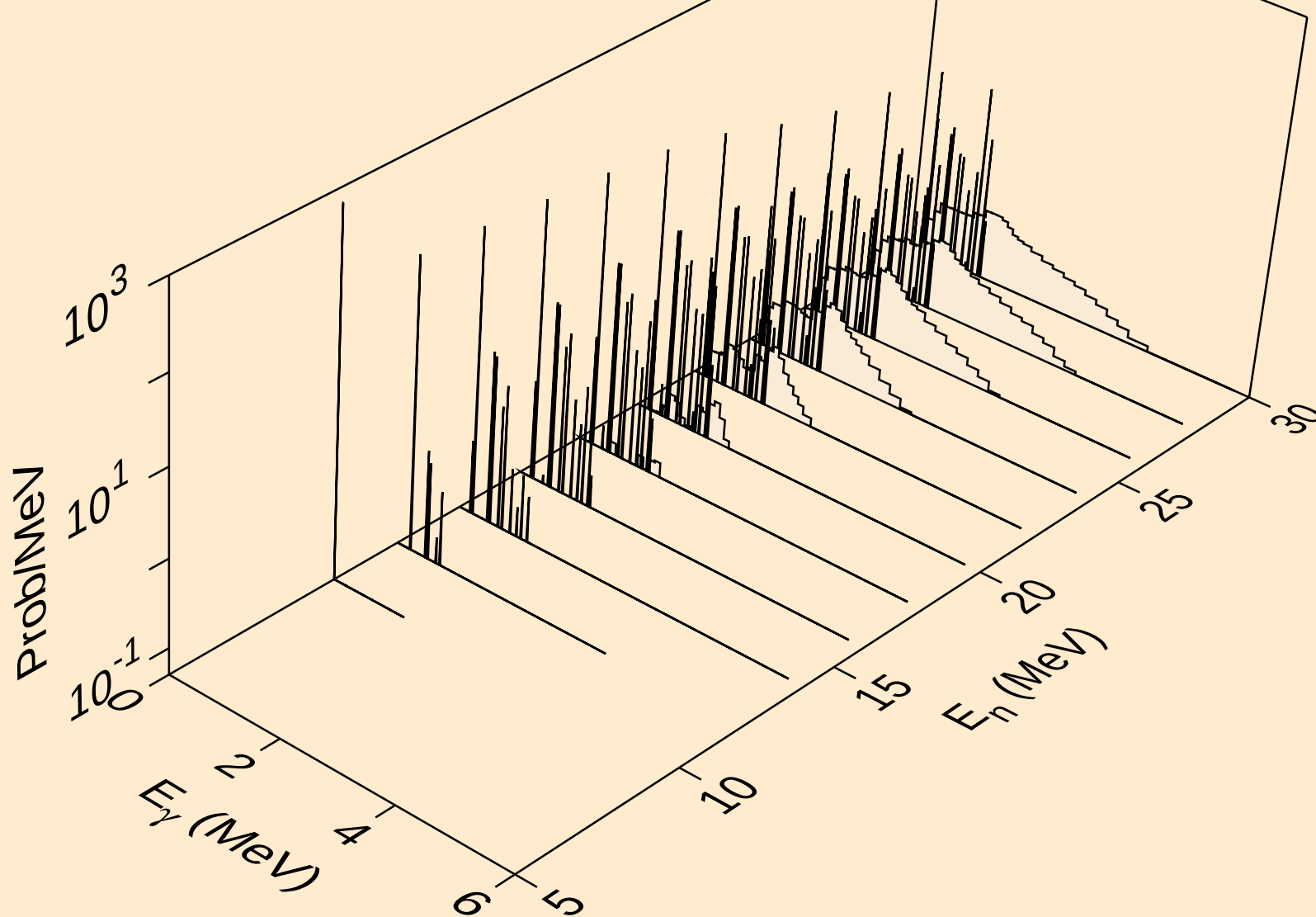
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Photon emission for (n,2a)



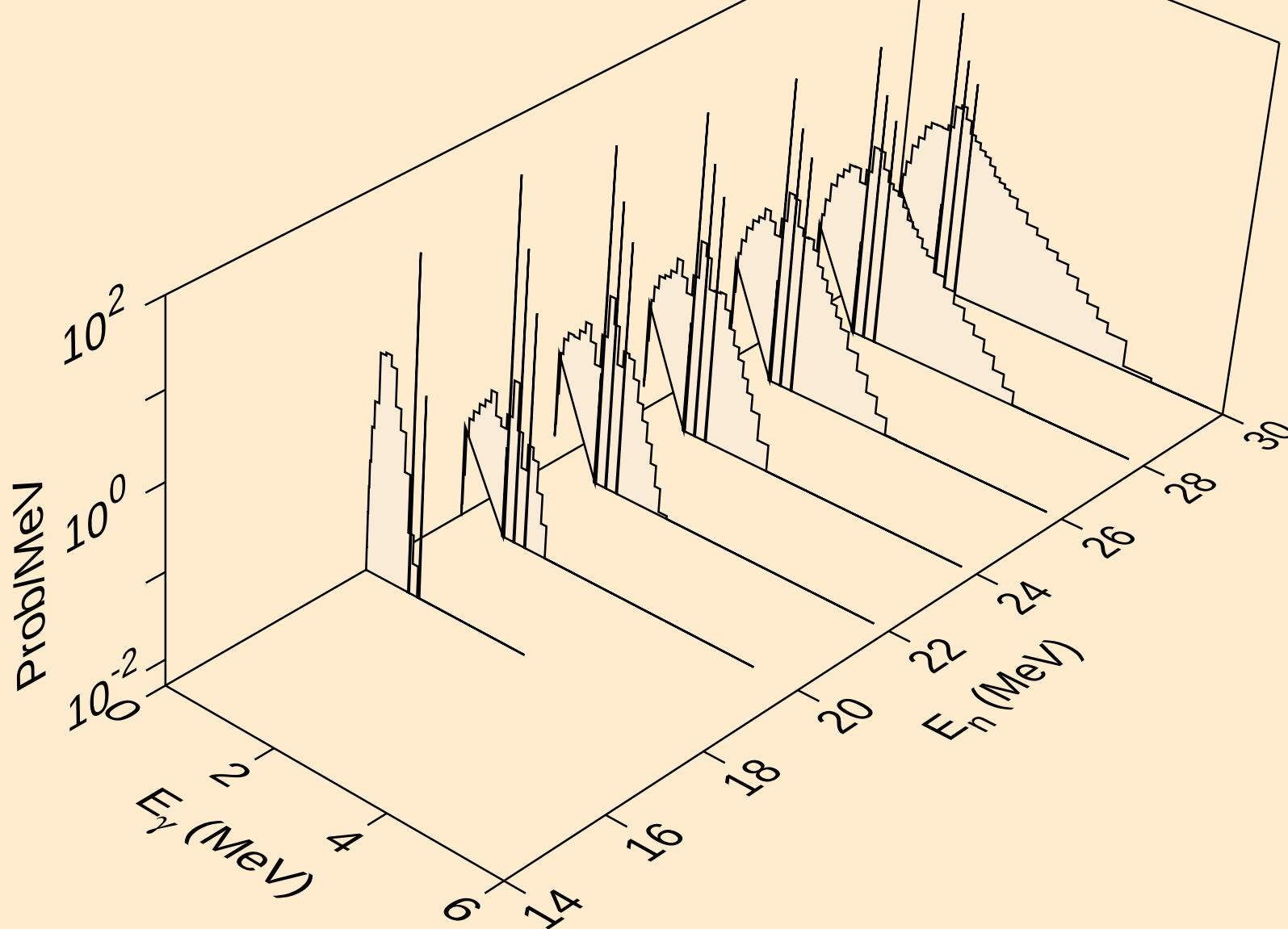
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2p)



ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p α)

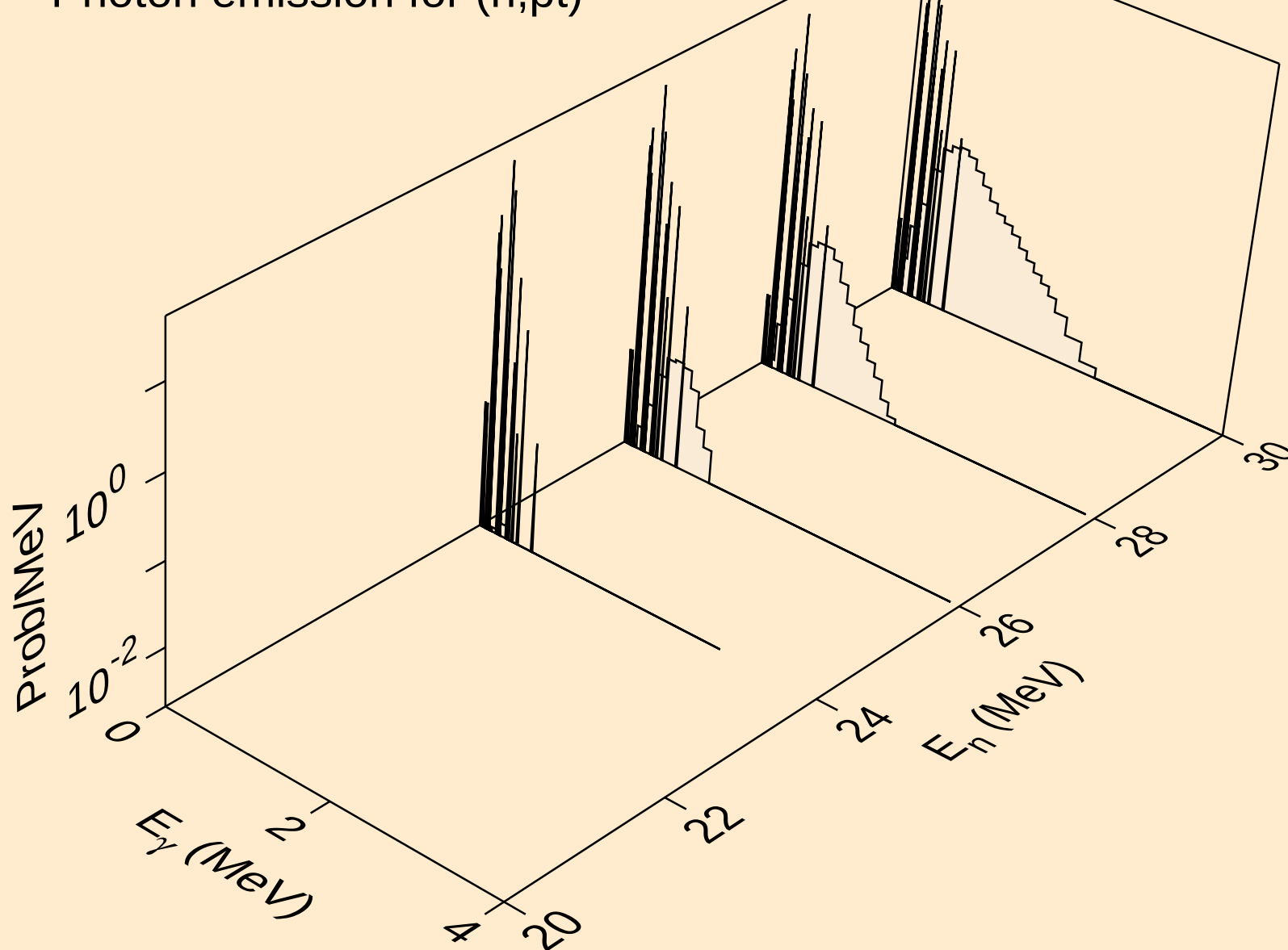


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Photon emission for (n,pd)

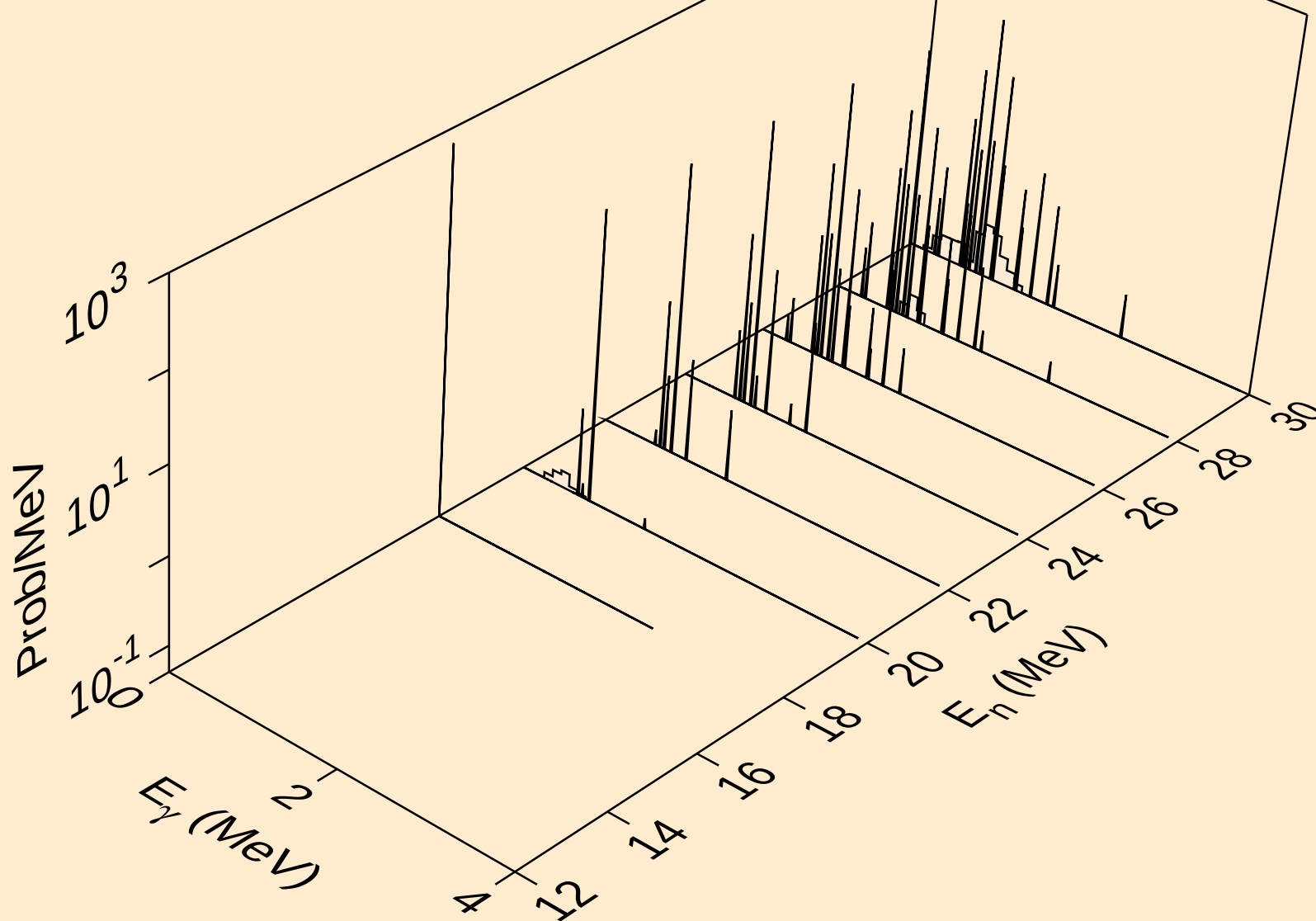


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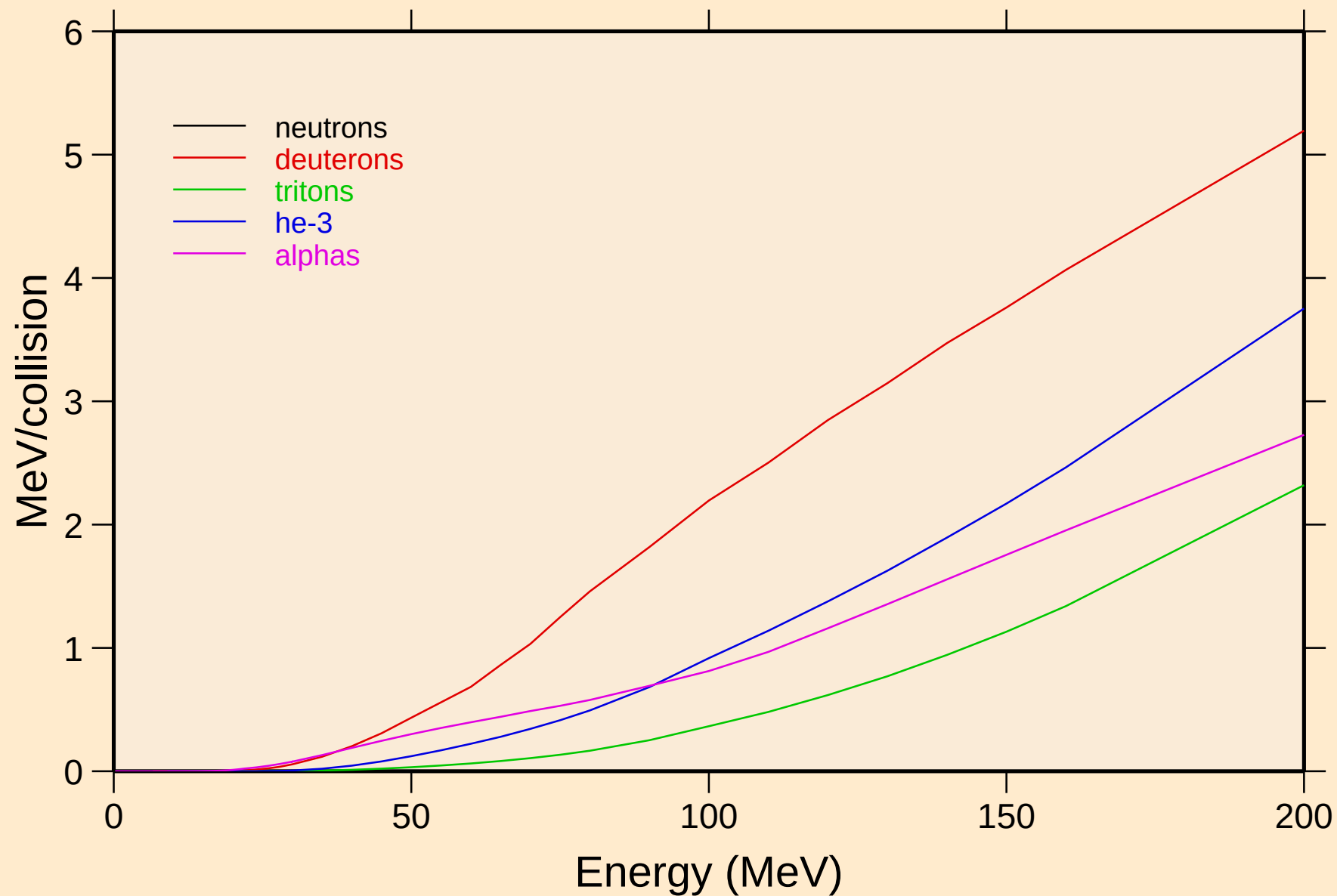
Photon emission for (n,pt)



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Photon emission for (n,da)

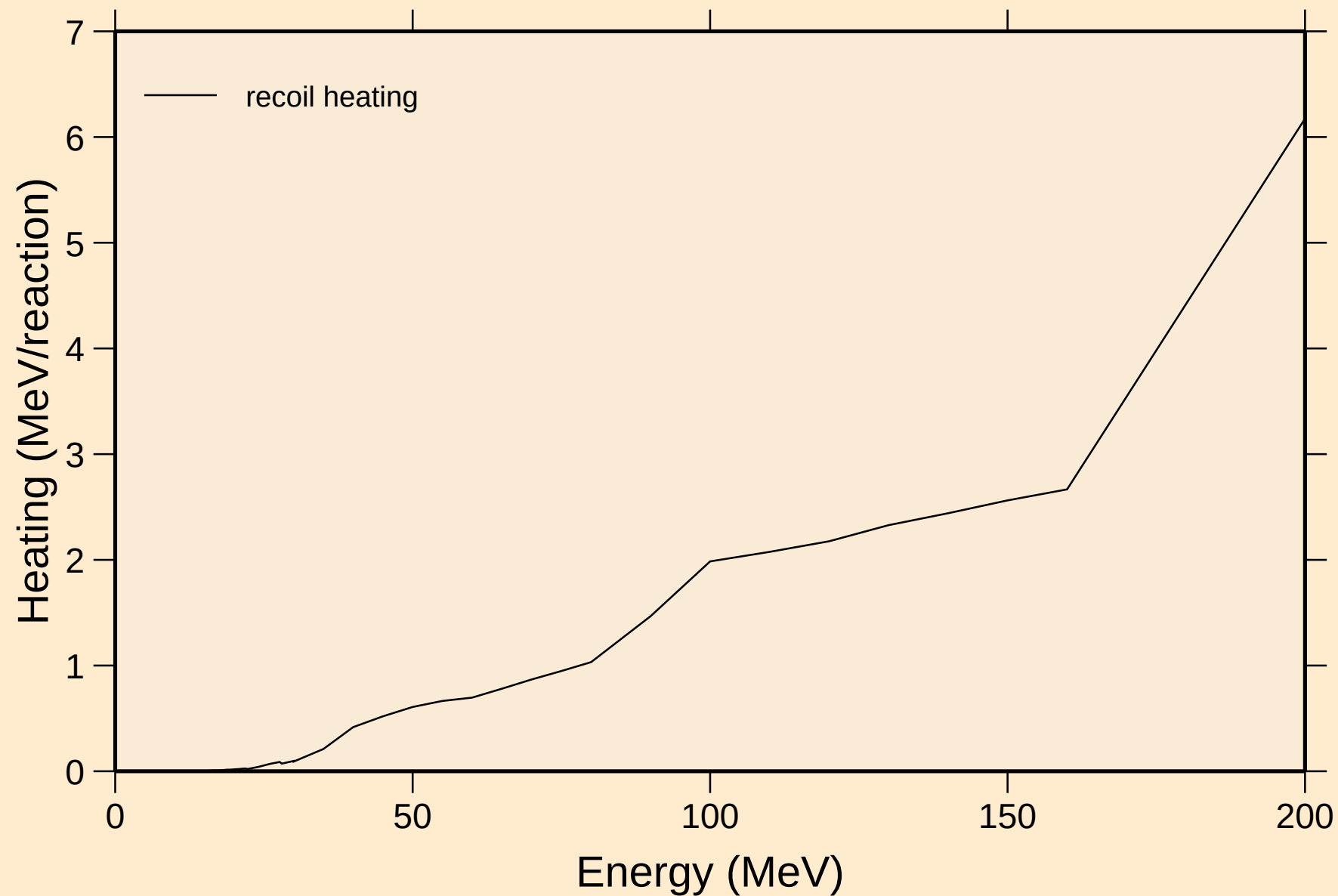


ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions



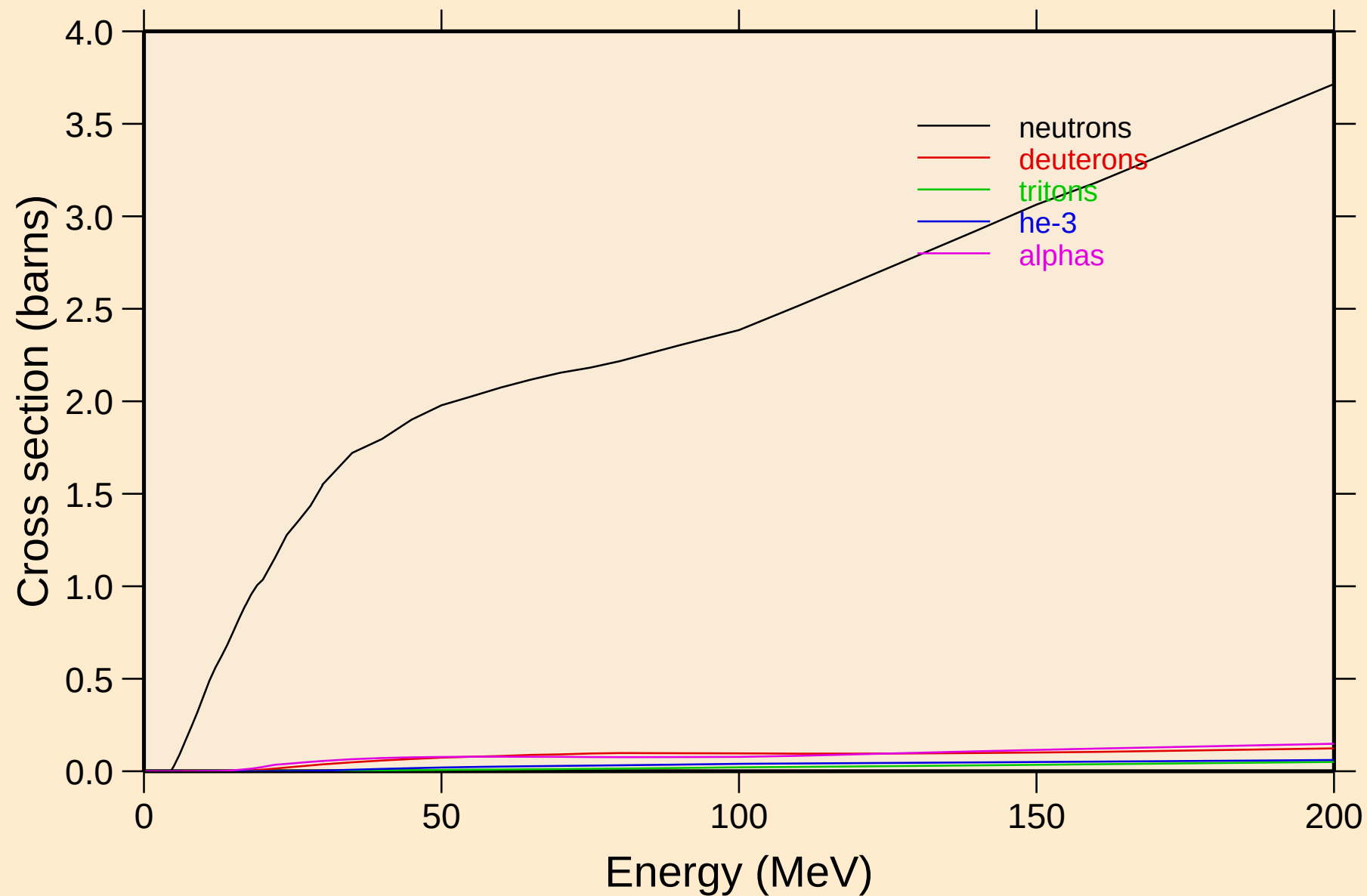
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Recoil Heating

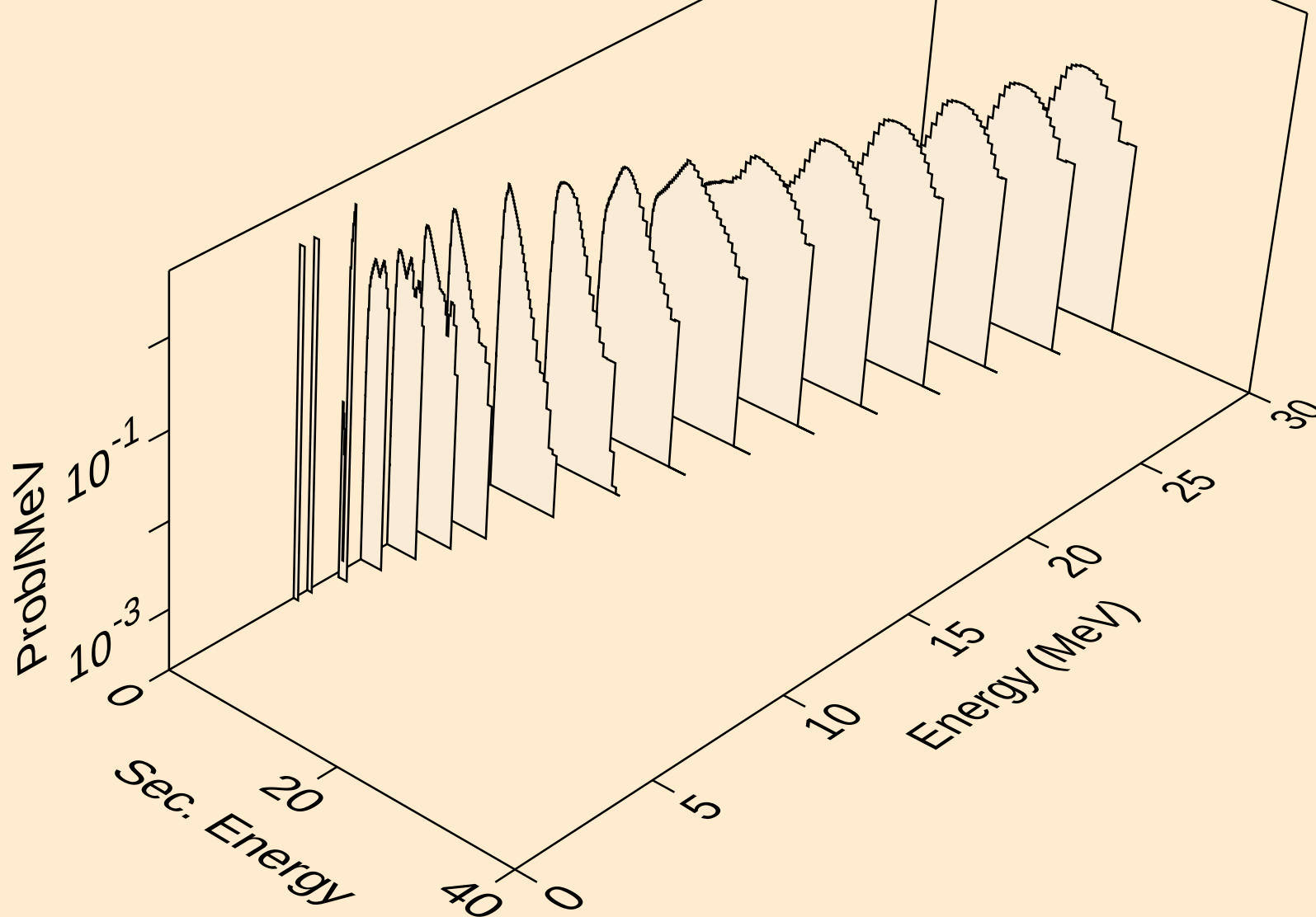


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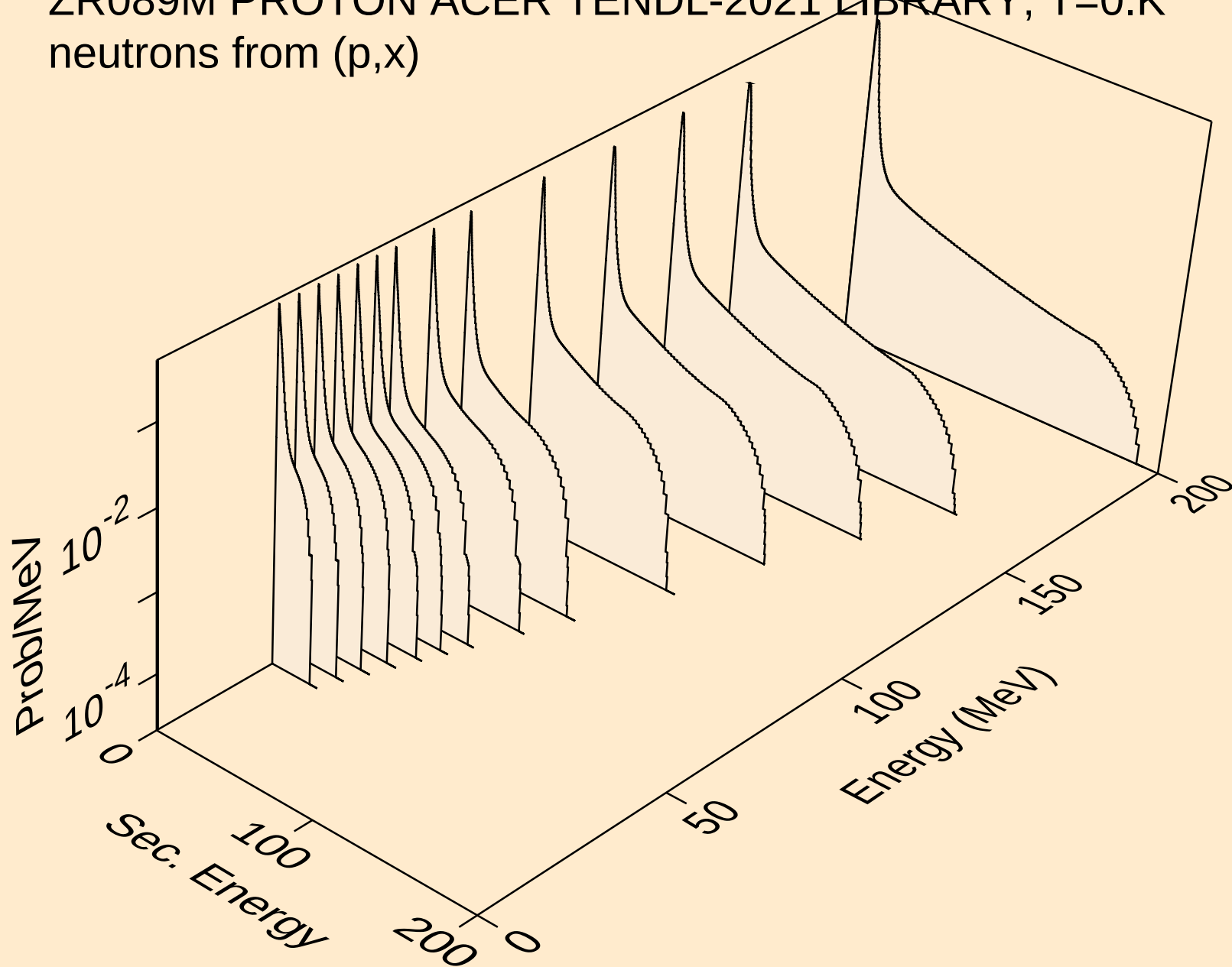
Particle production cross sections



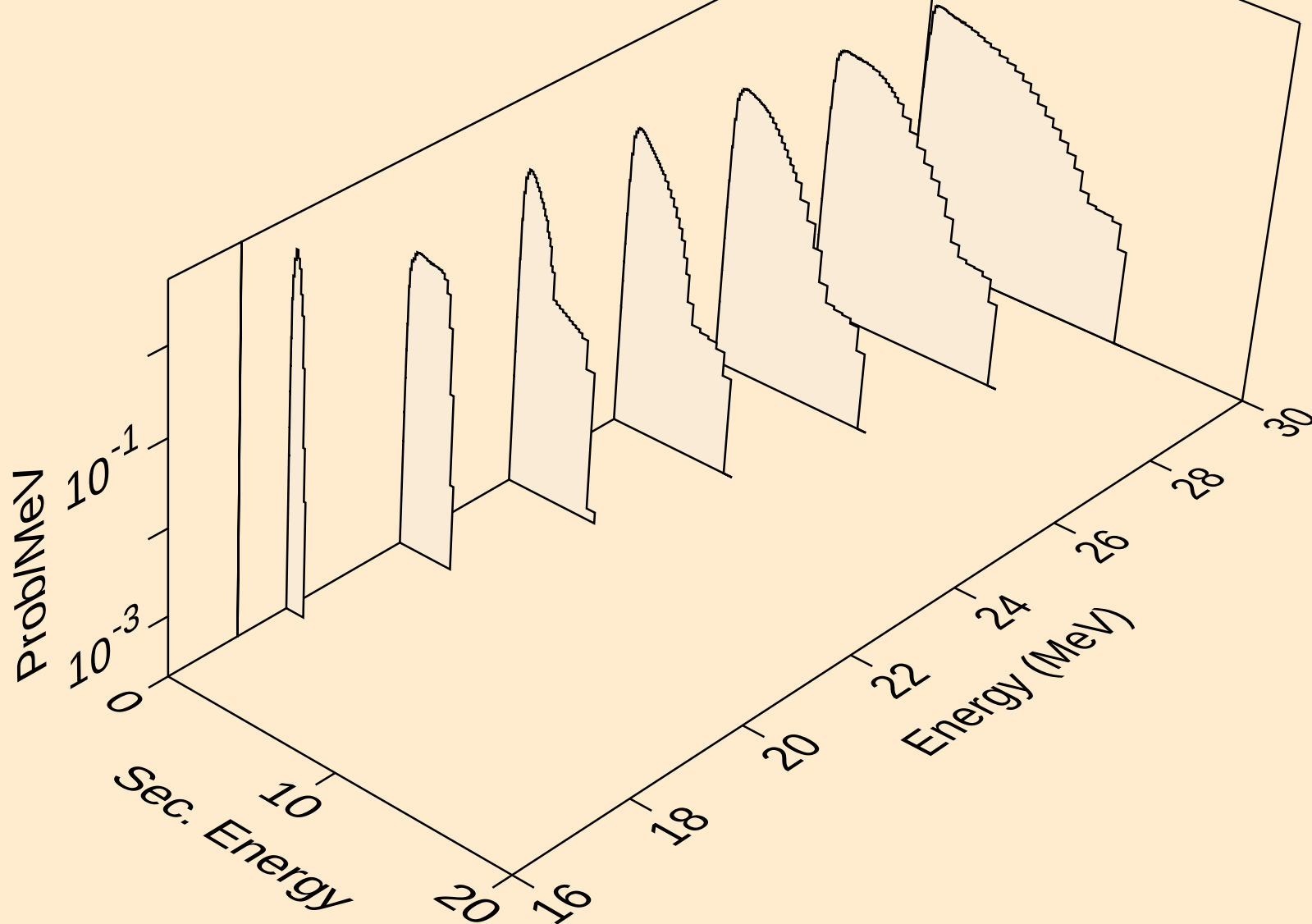
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n)



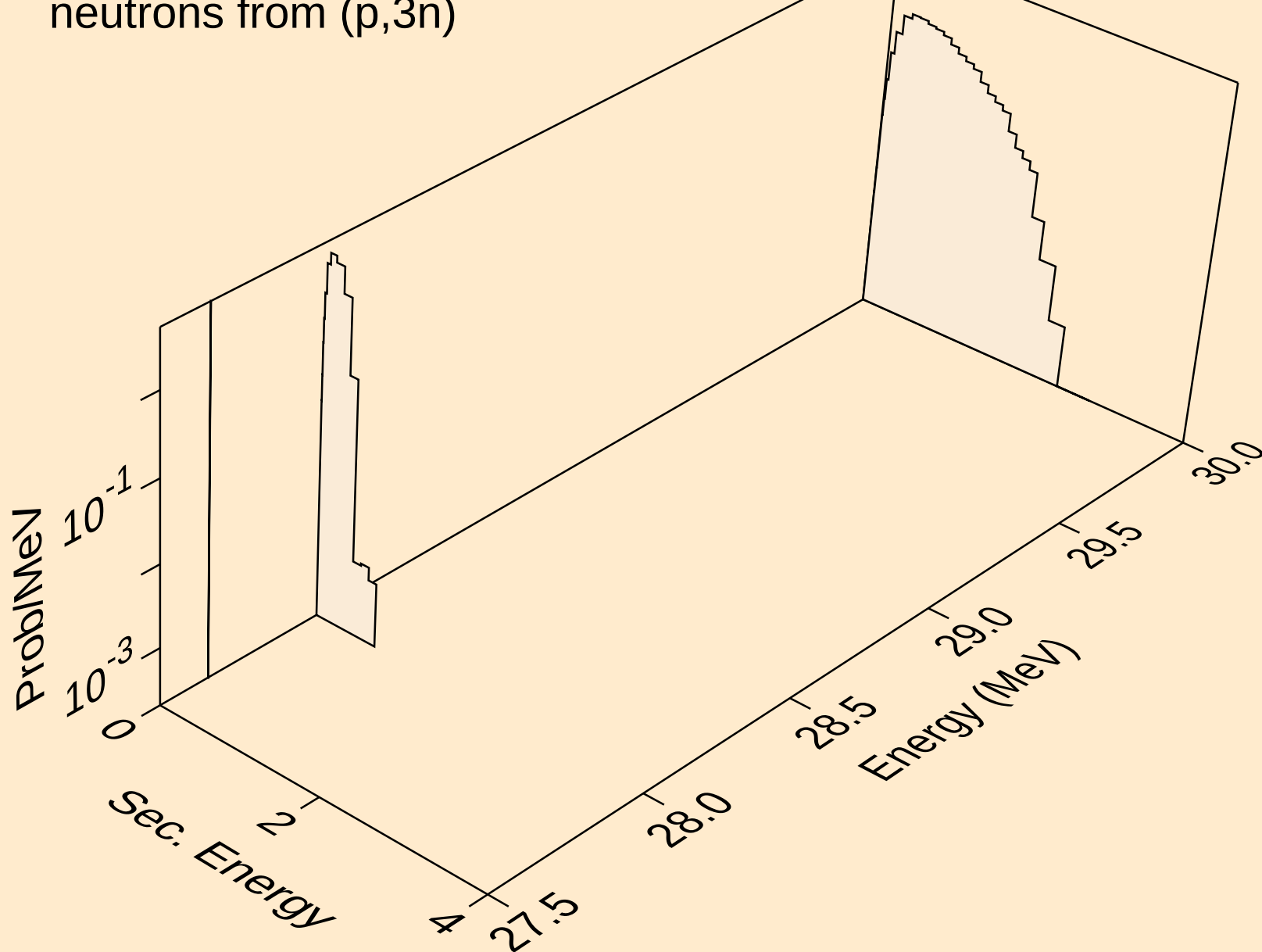
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,x)



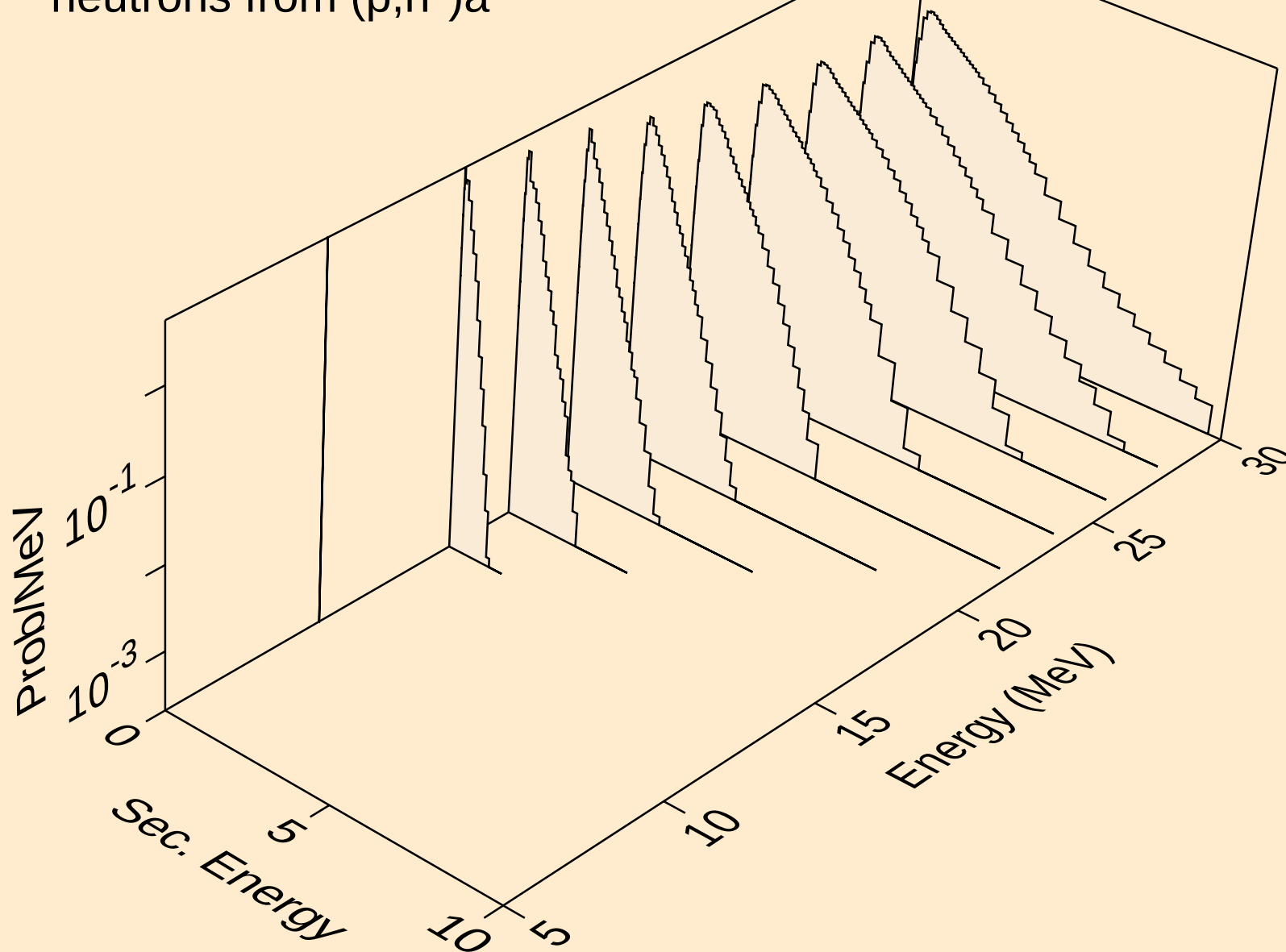
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neutrons from (p,2n)



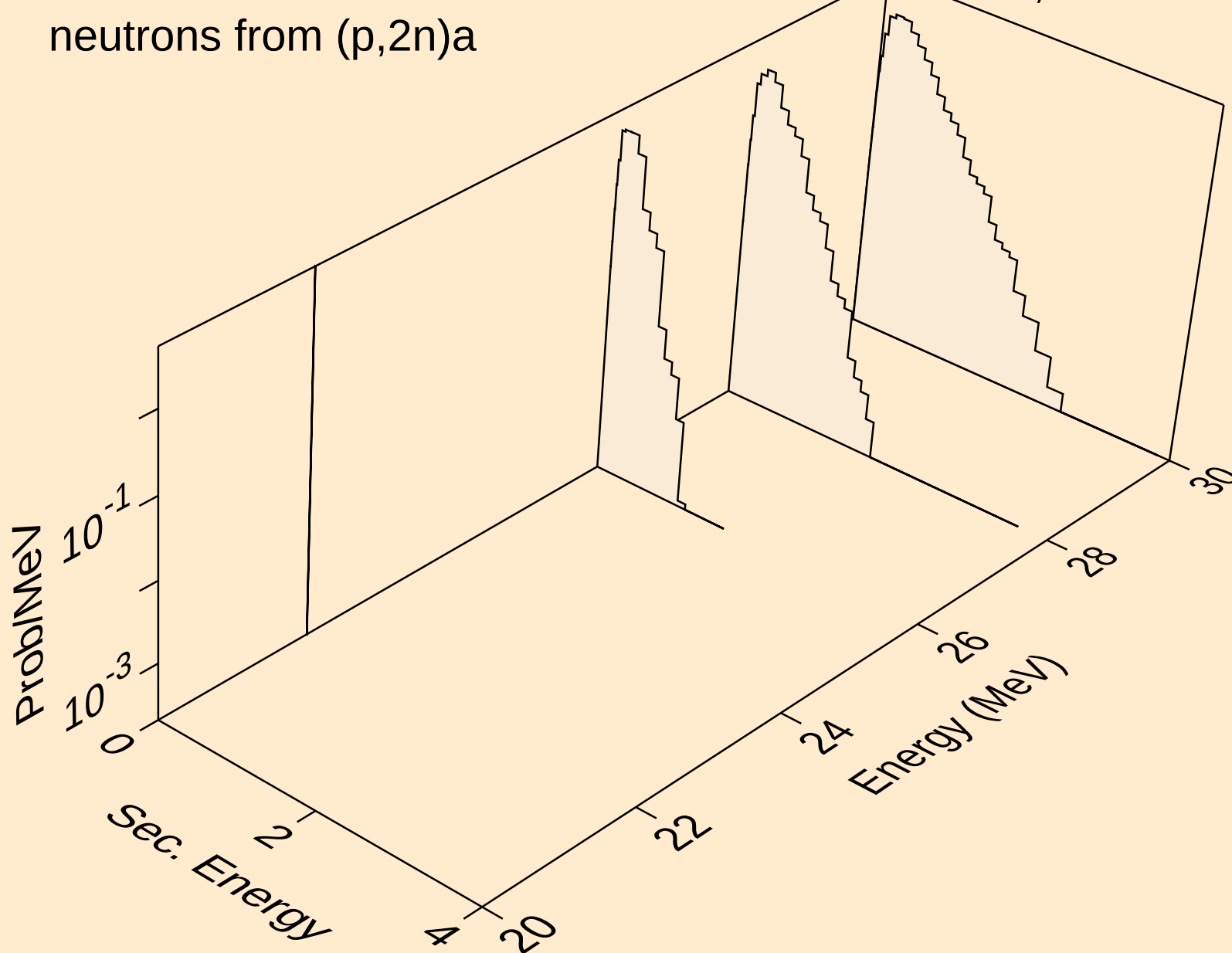
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)



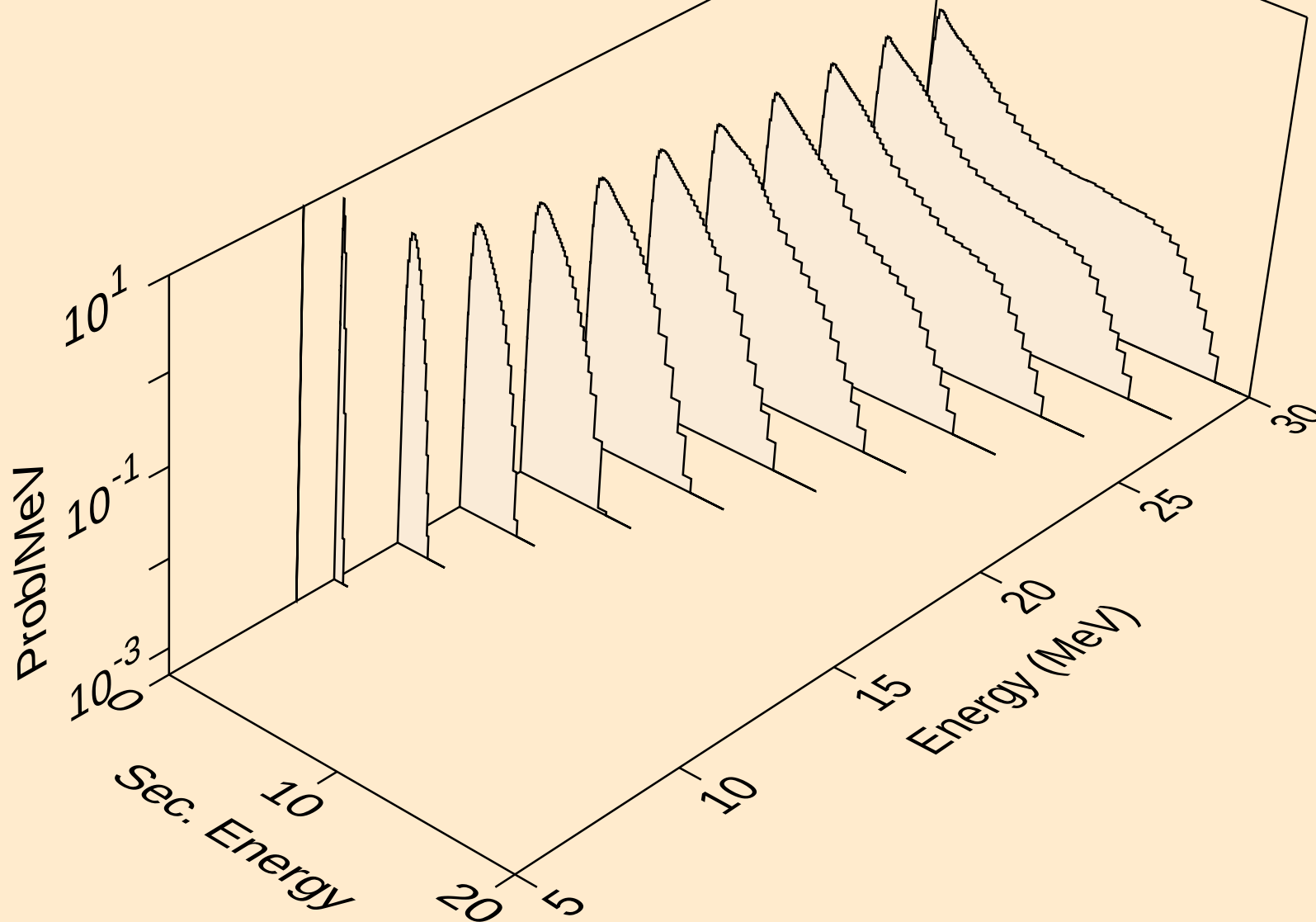
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neutrons from (p,n*)a



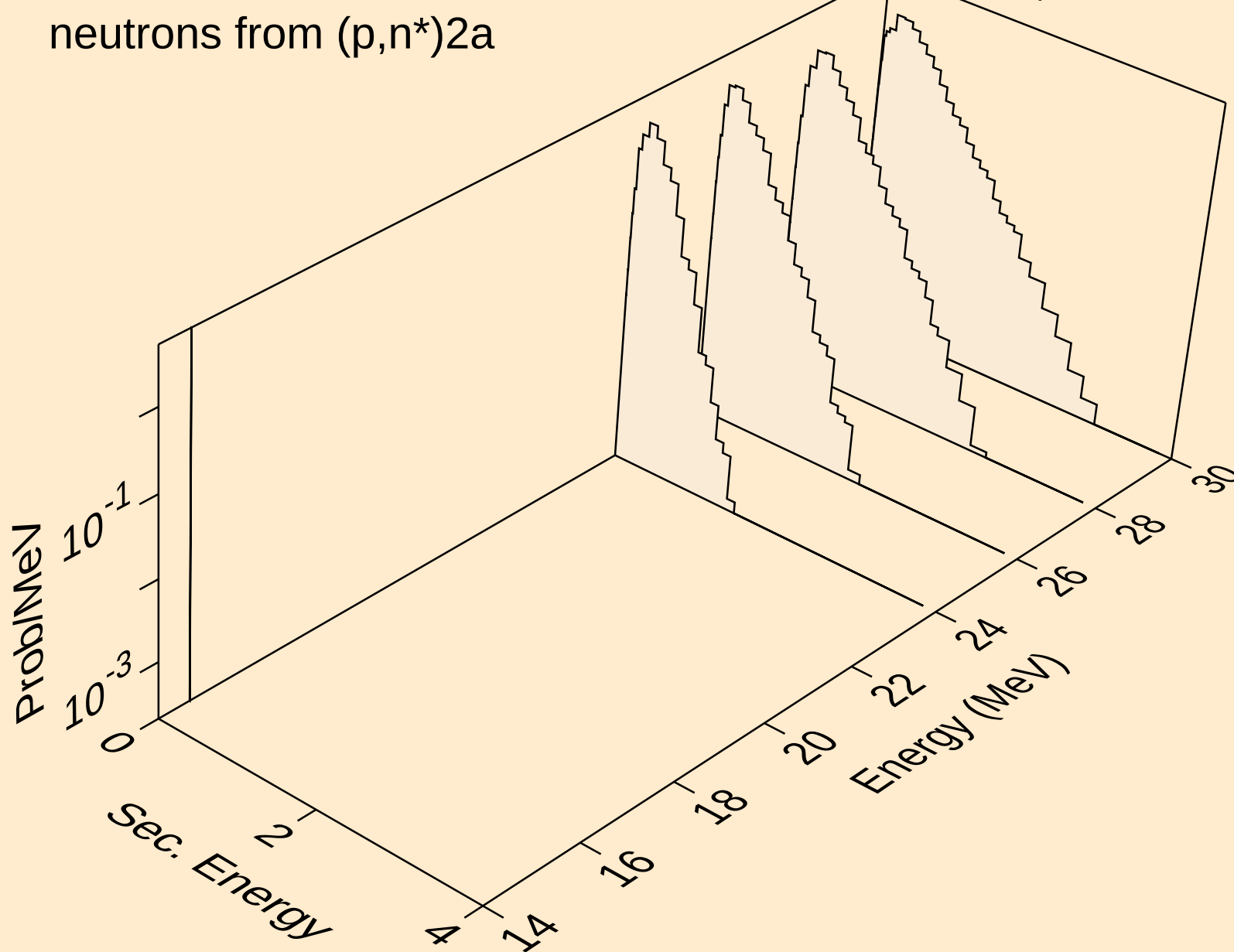
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neutrons from (p,2n)a



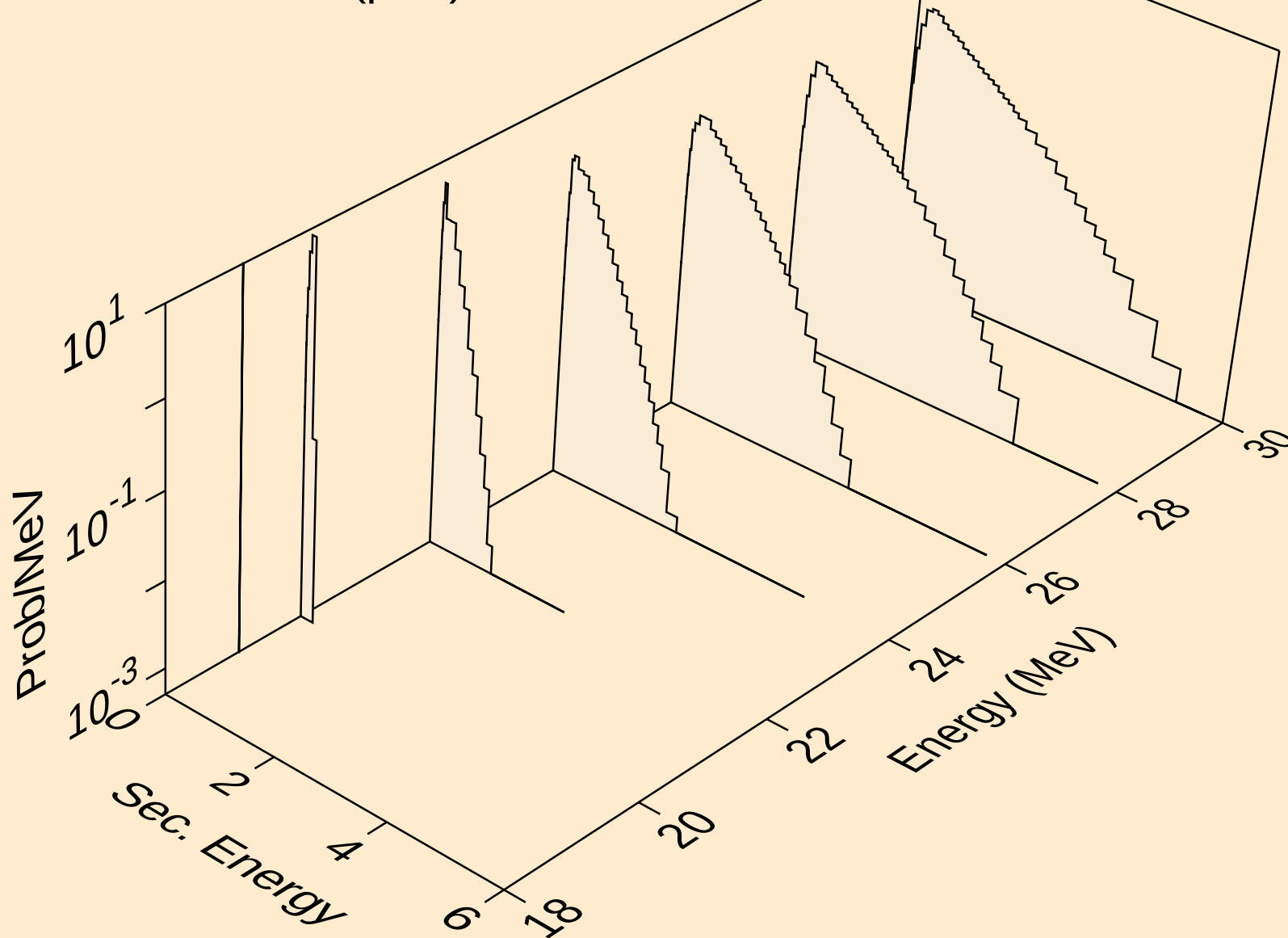
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neutrons from (p,n*)p



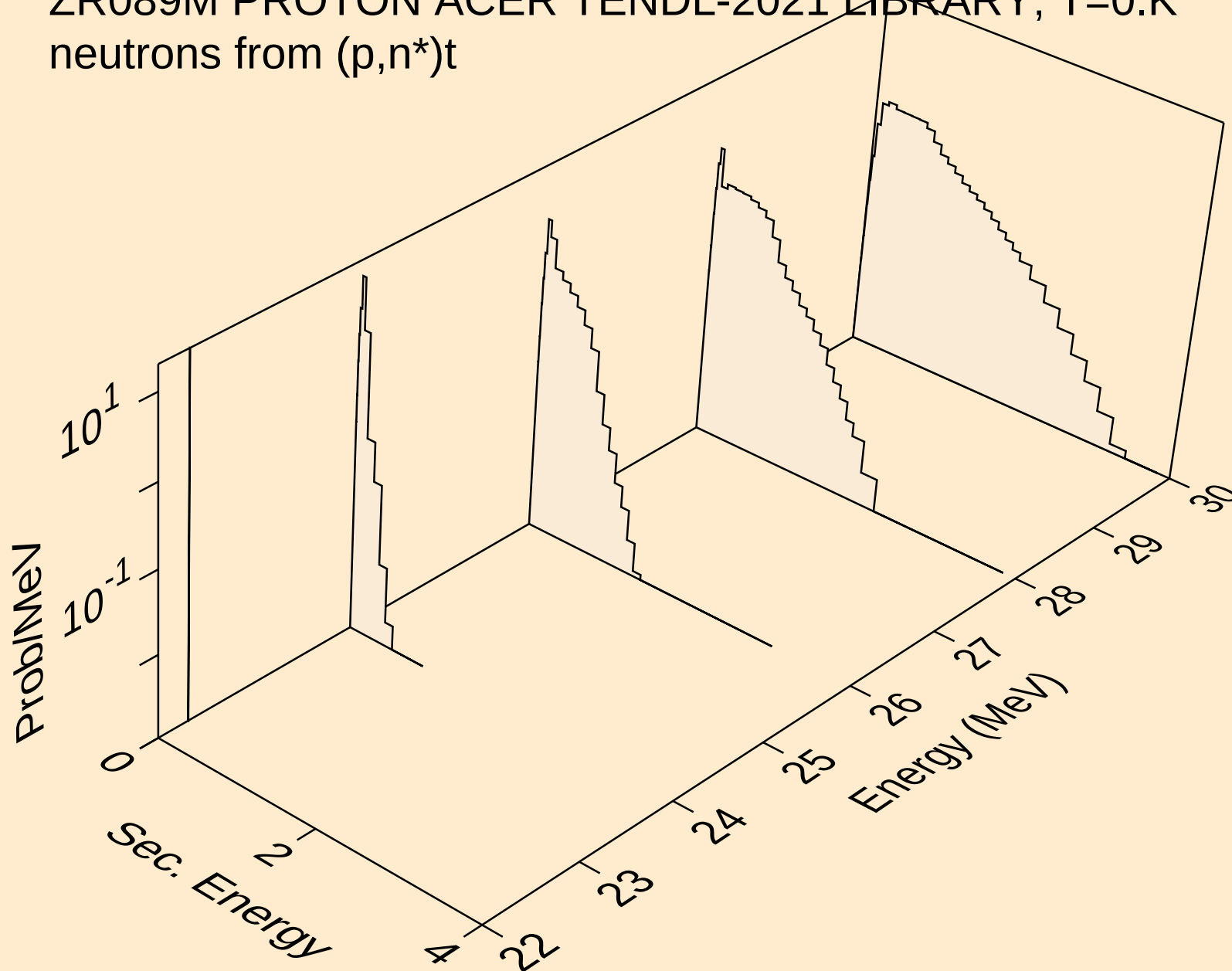
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neutrons from (p,n*)2a



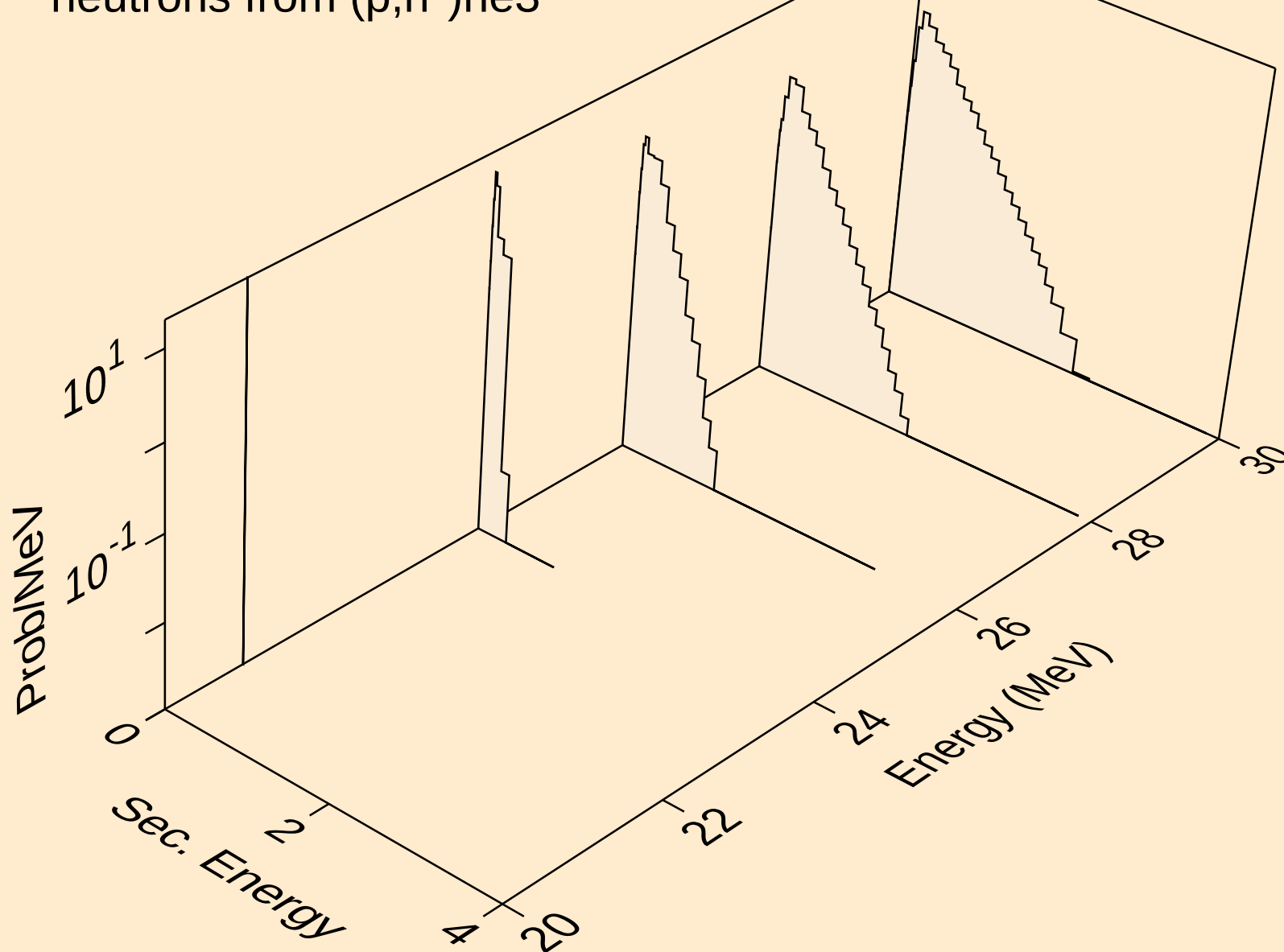
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neutrons from (p,n*)d



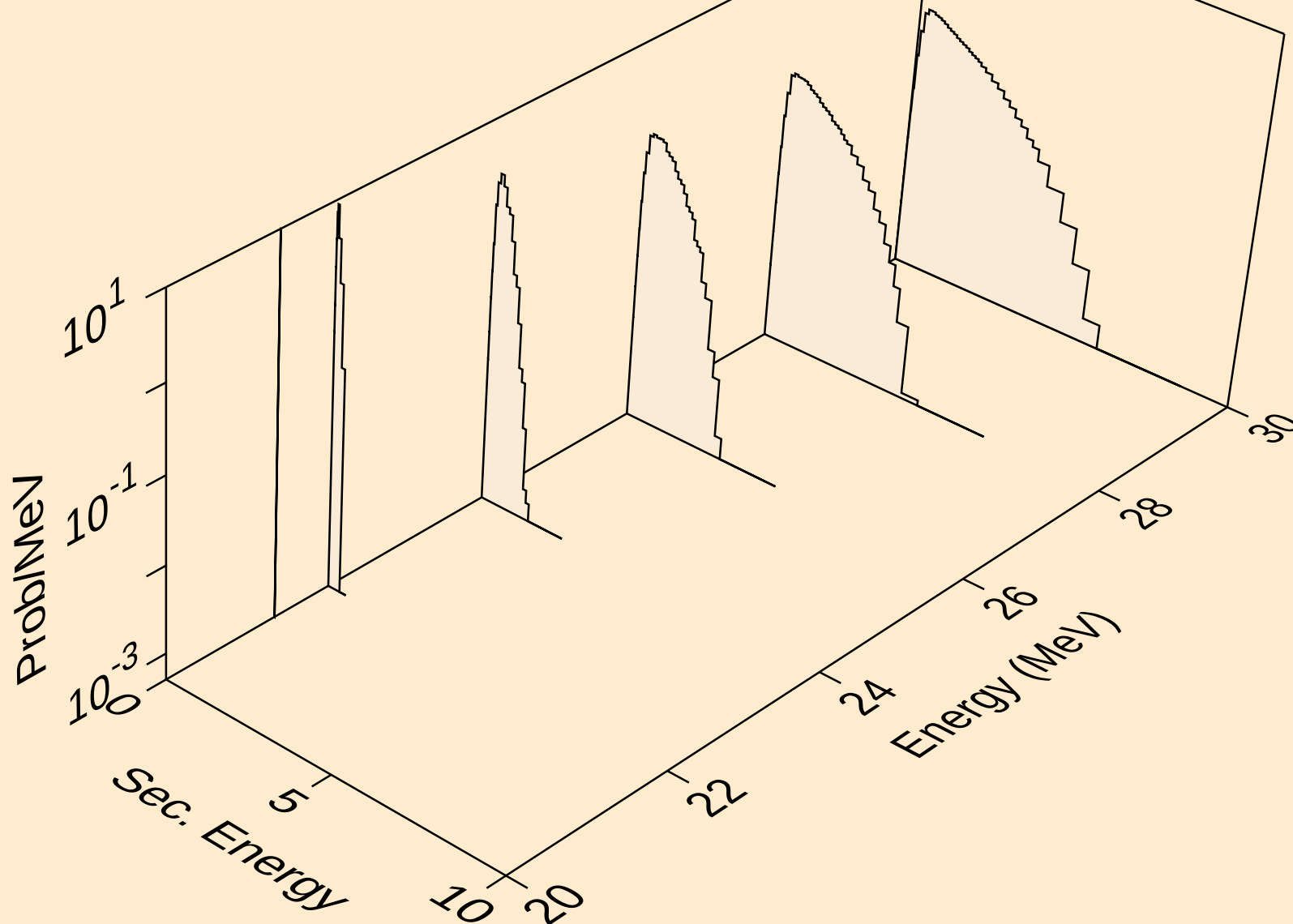
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neutrons from (p,n*)t



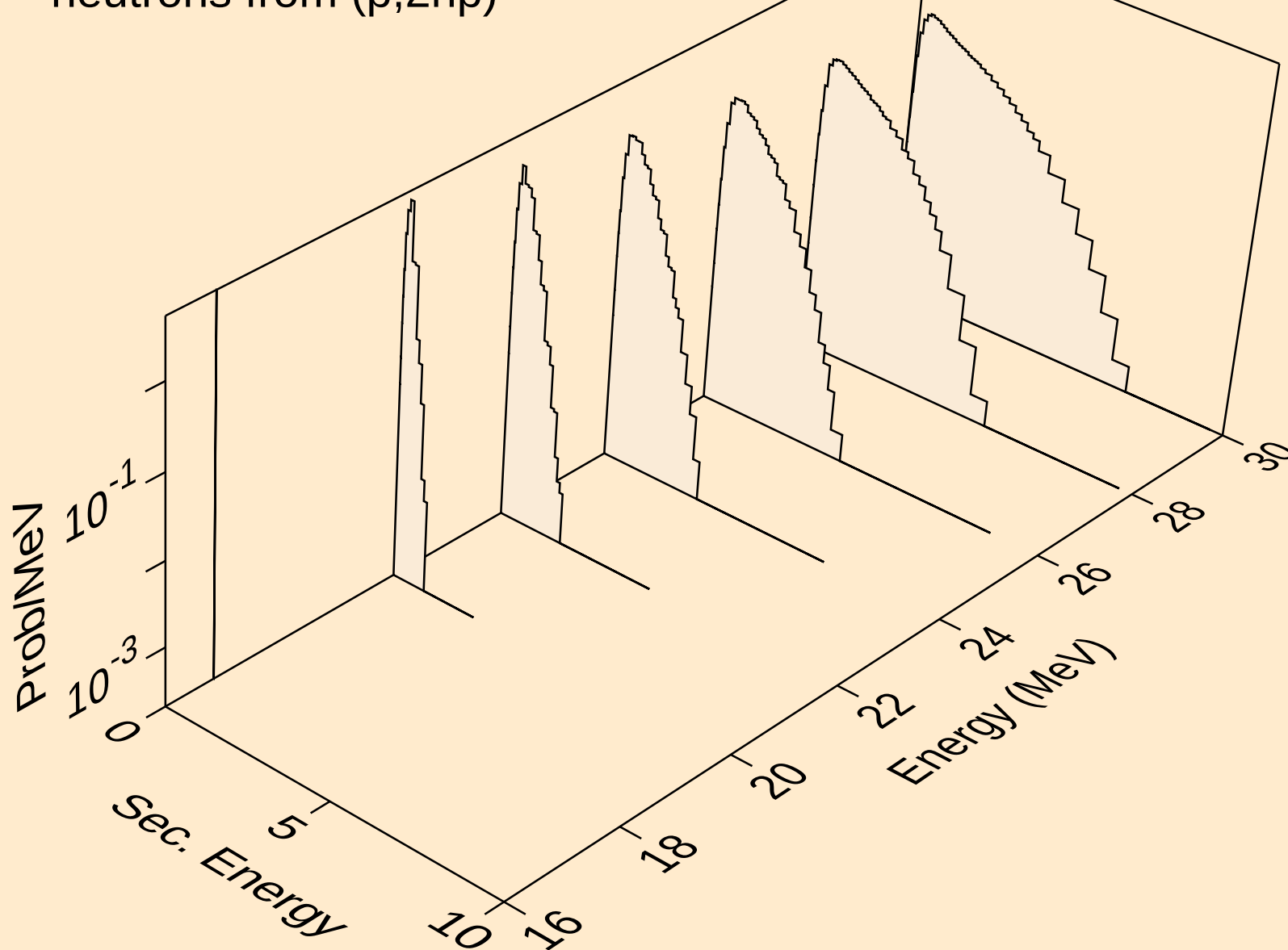
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neutrons from (p,n*)he3



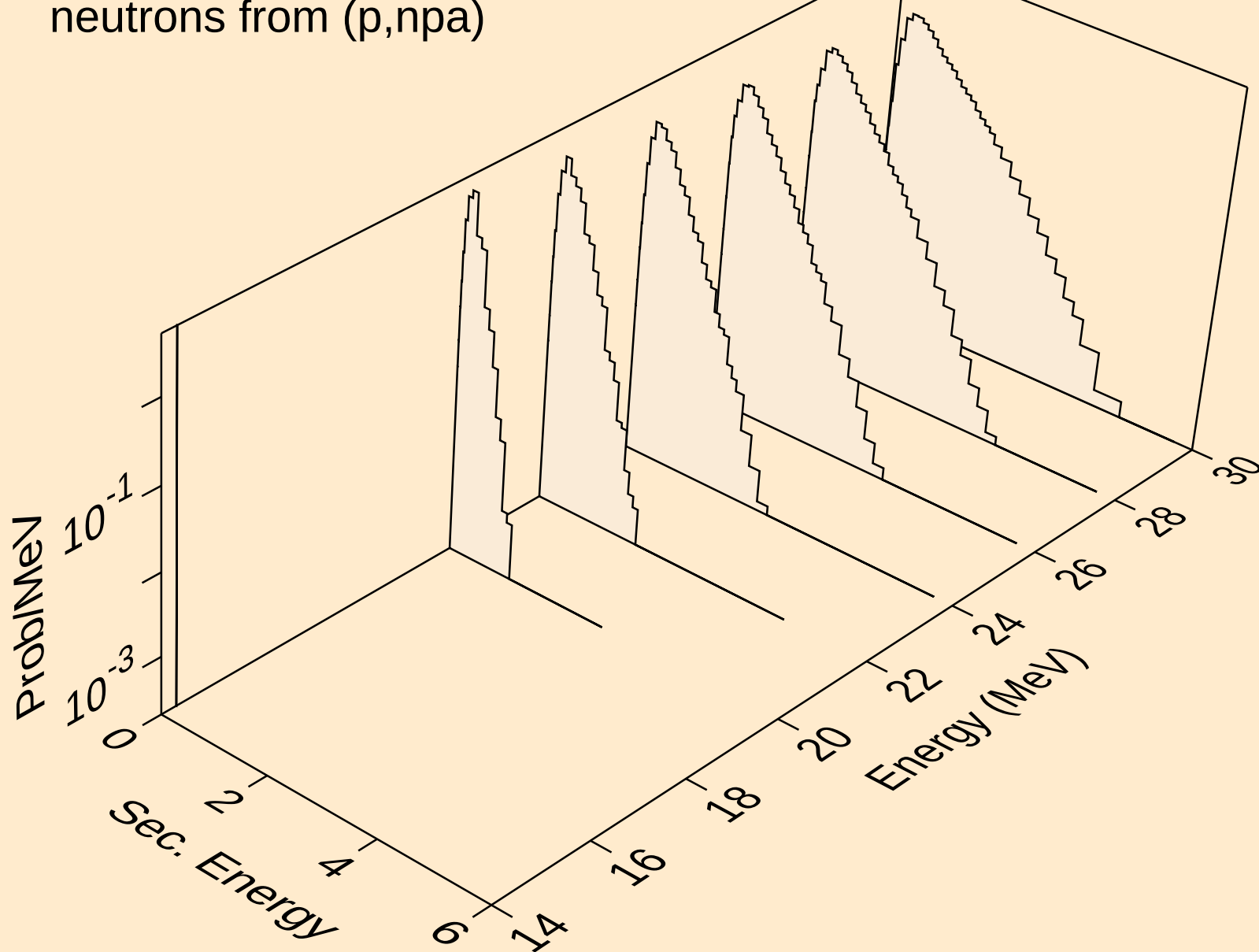
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neutrons from (p,2np)



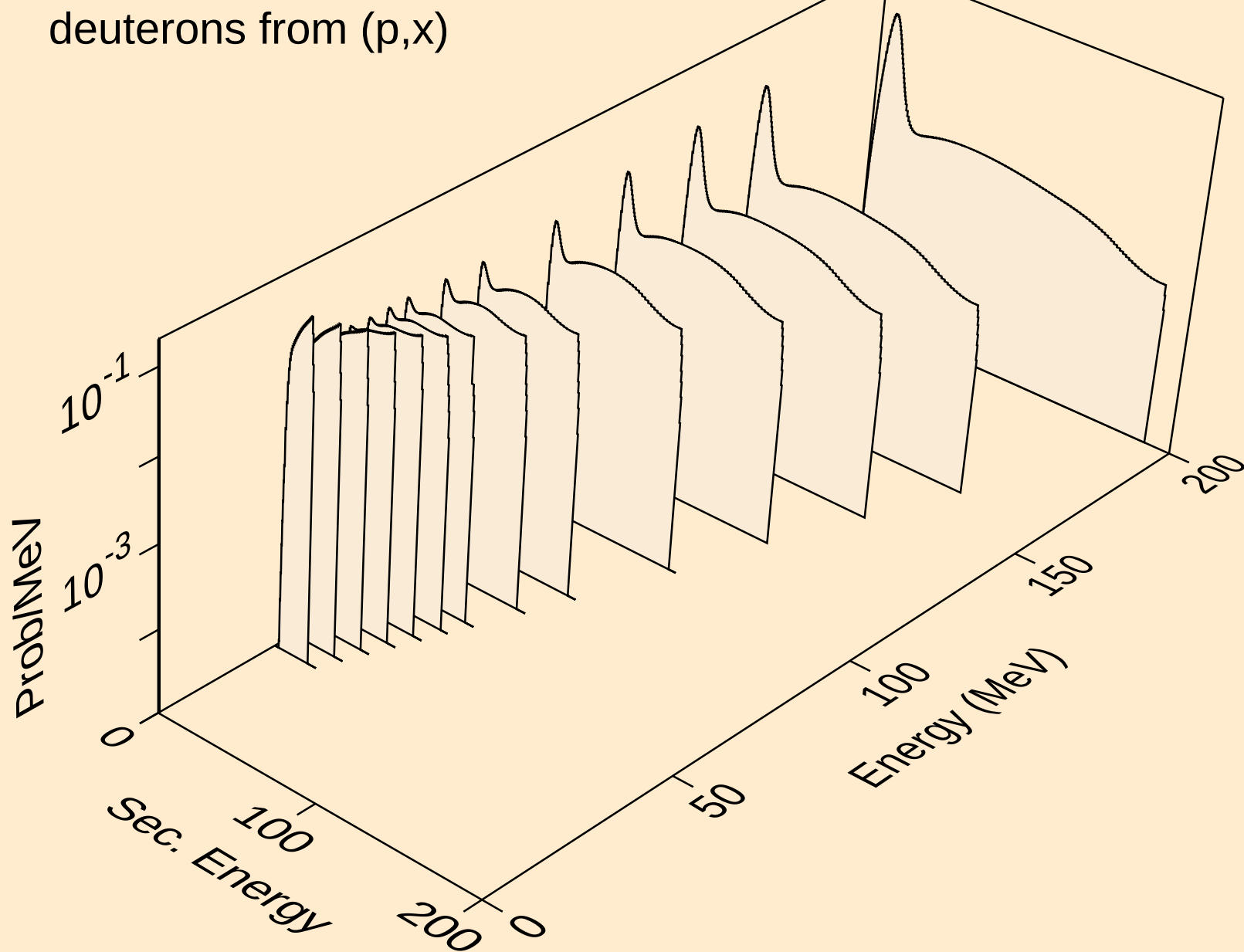
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neutrons from (p,2np)



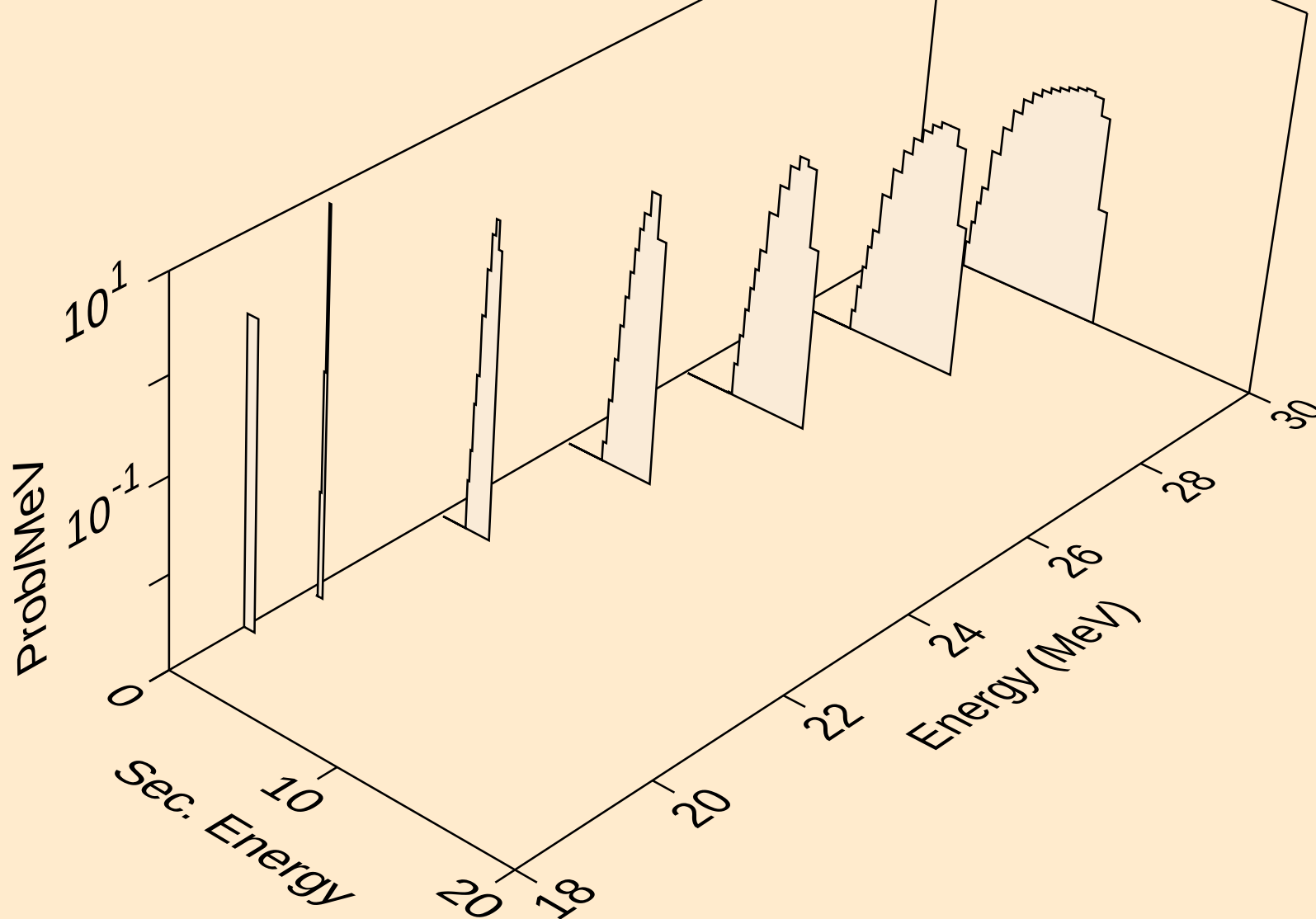
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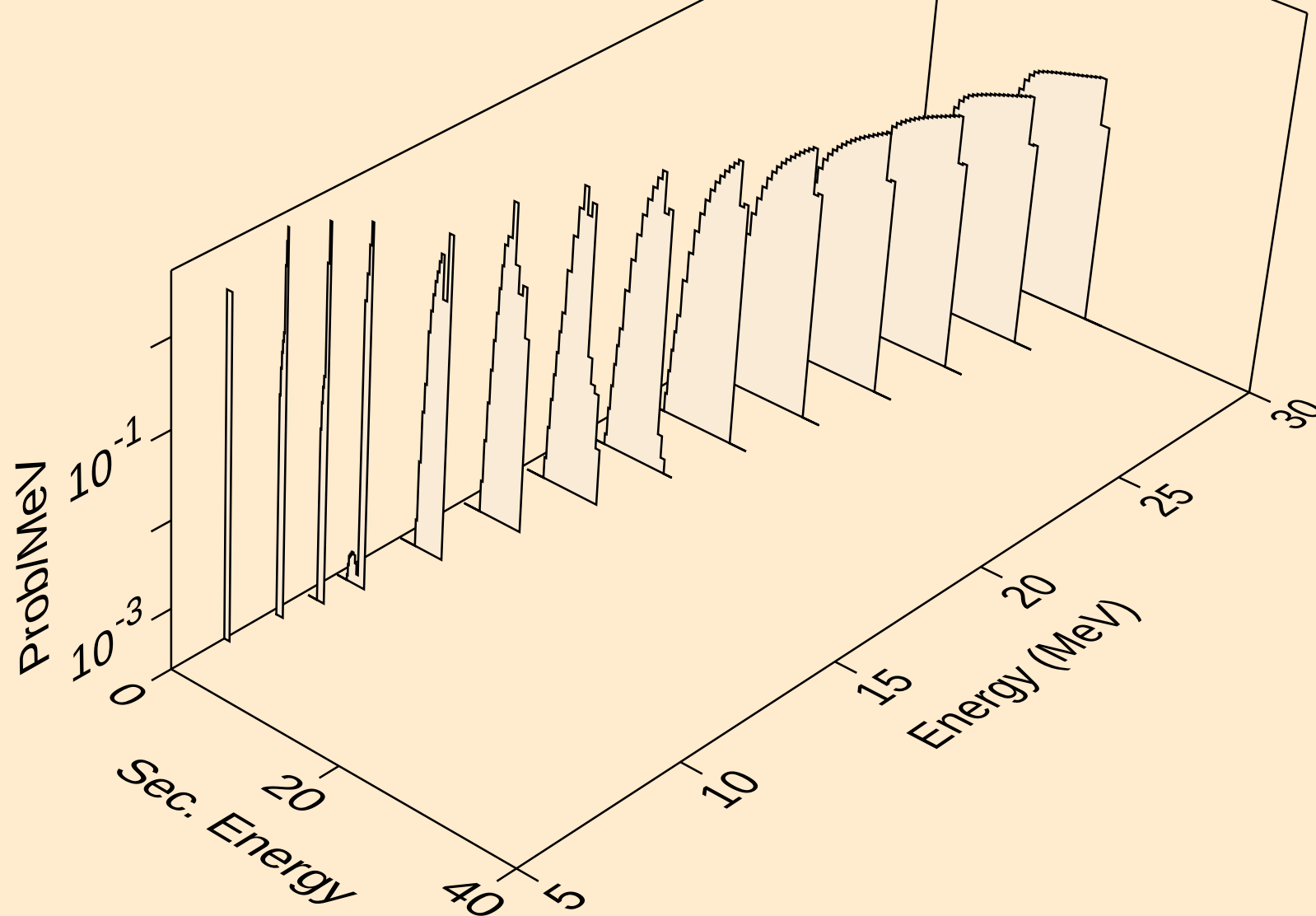
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deuterons from (p,x)



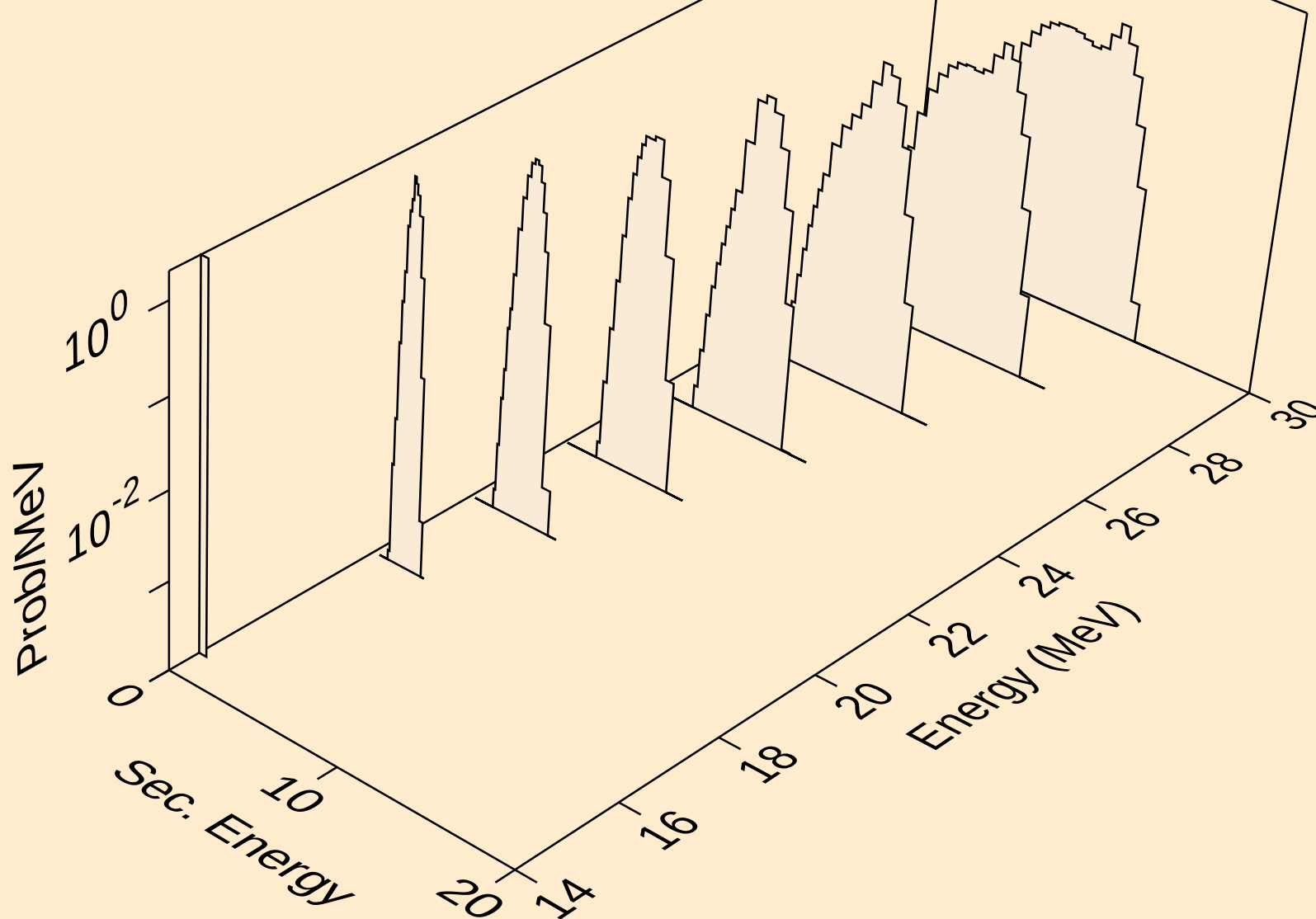
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deuterons from (p,n*)d



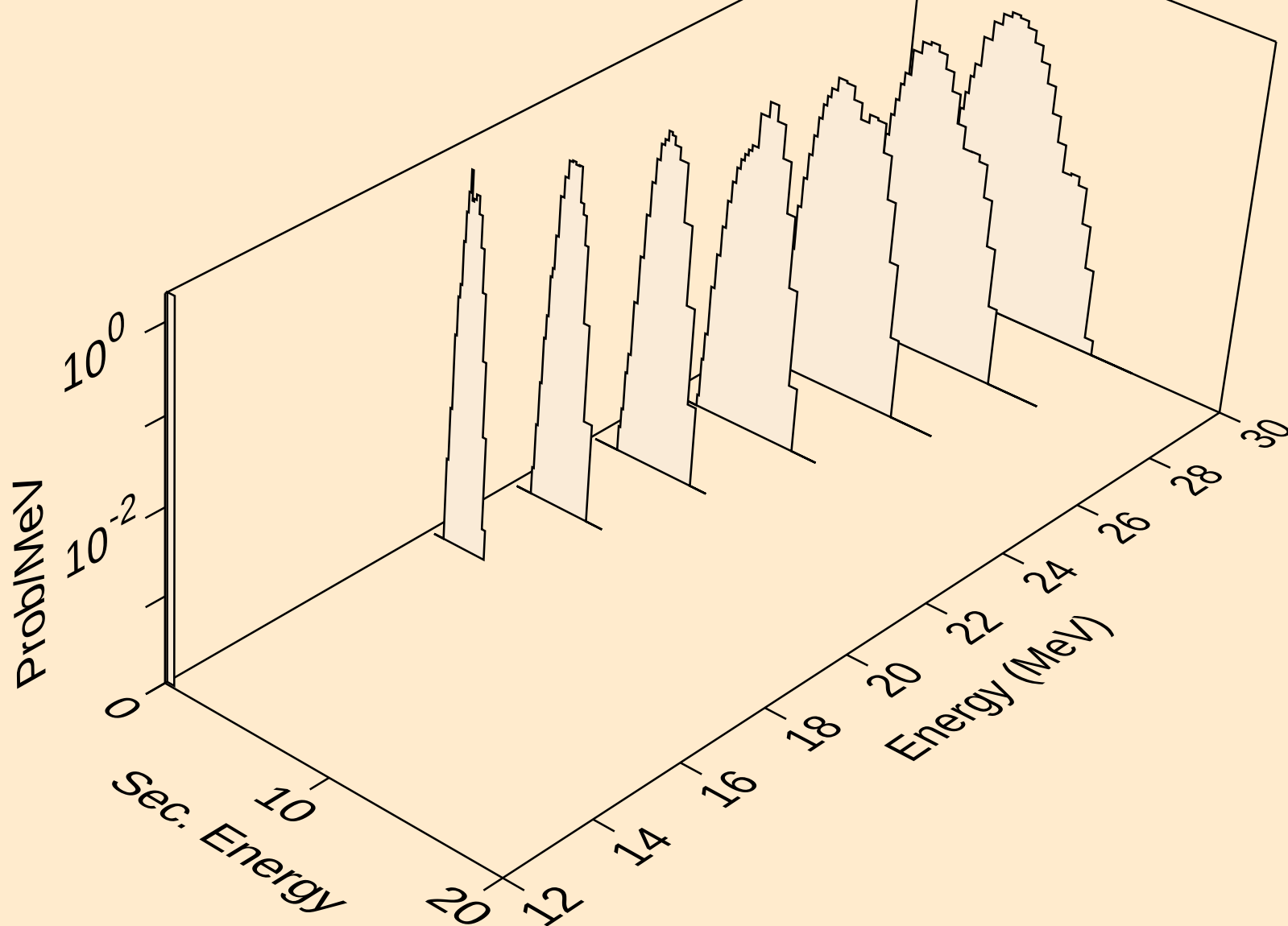
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deuterons from (p,d)



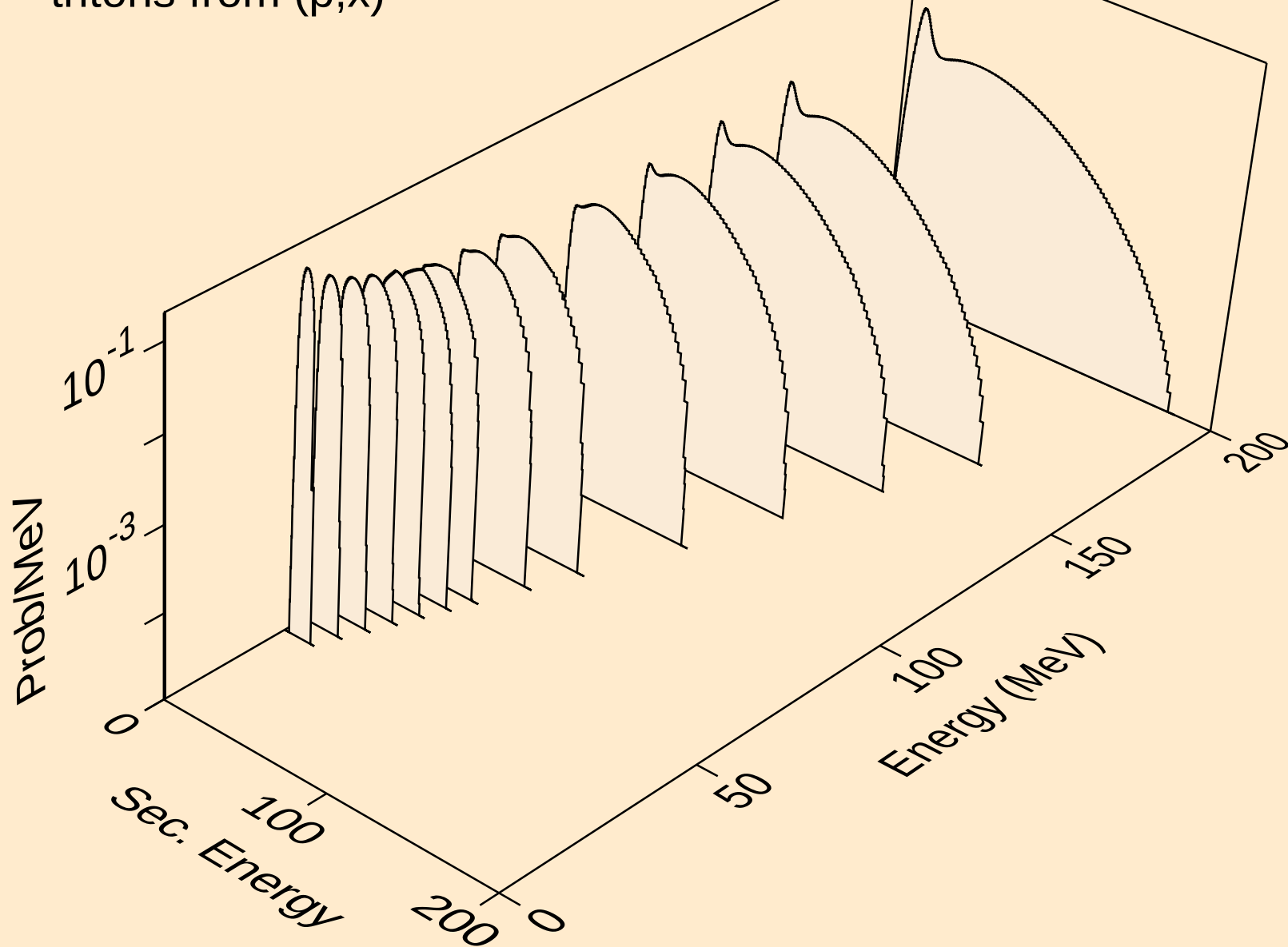
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deuterons from (p,pd)



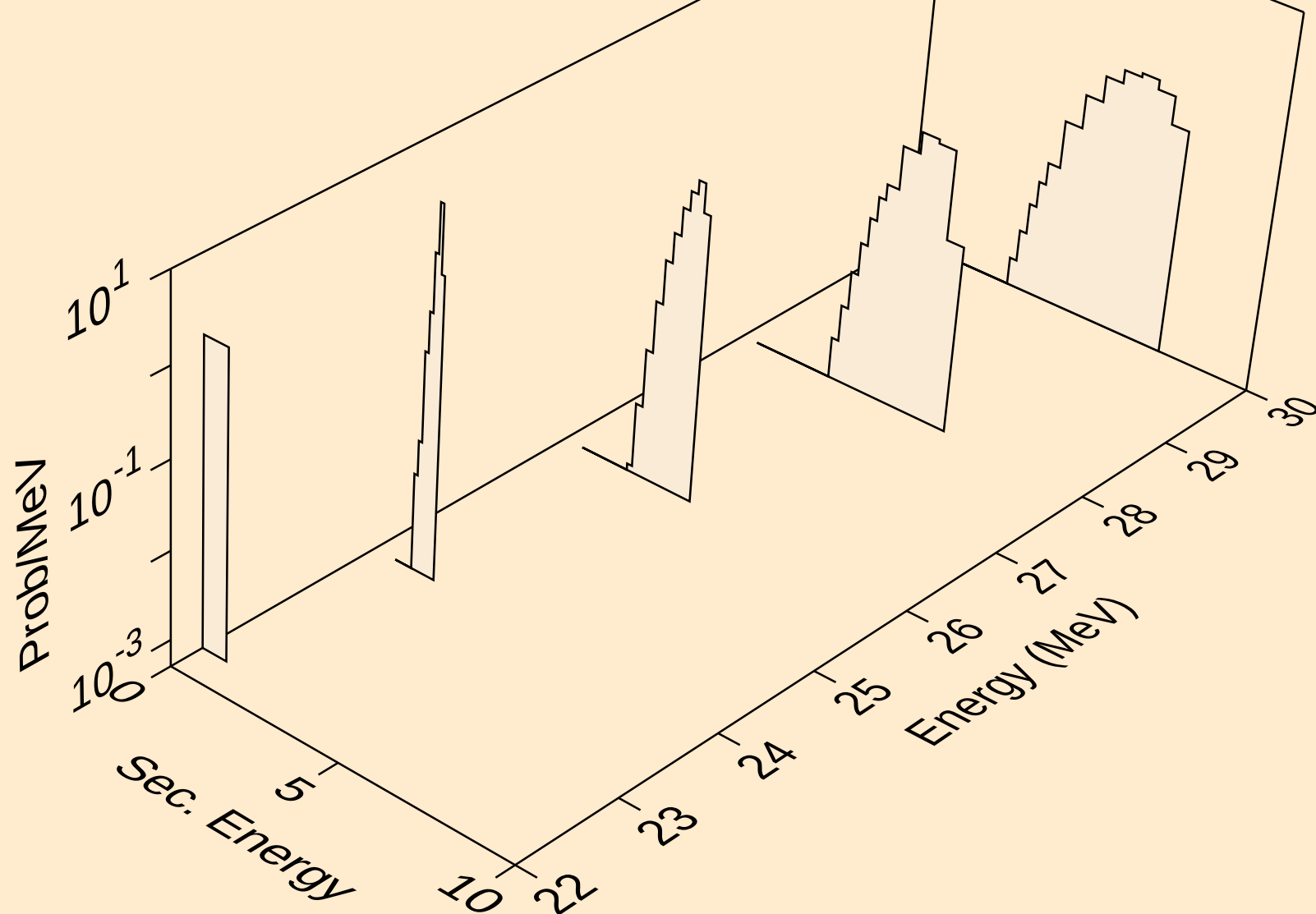
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,da)



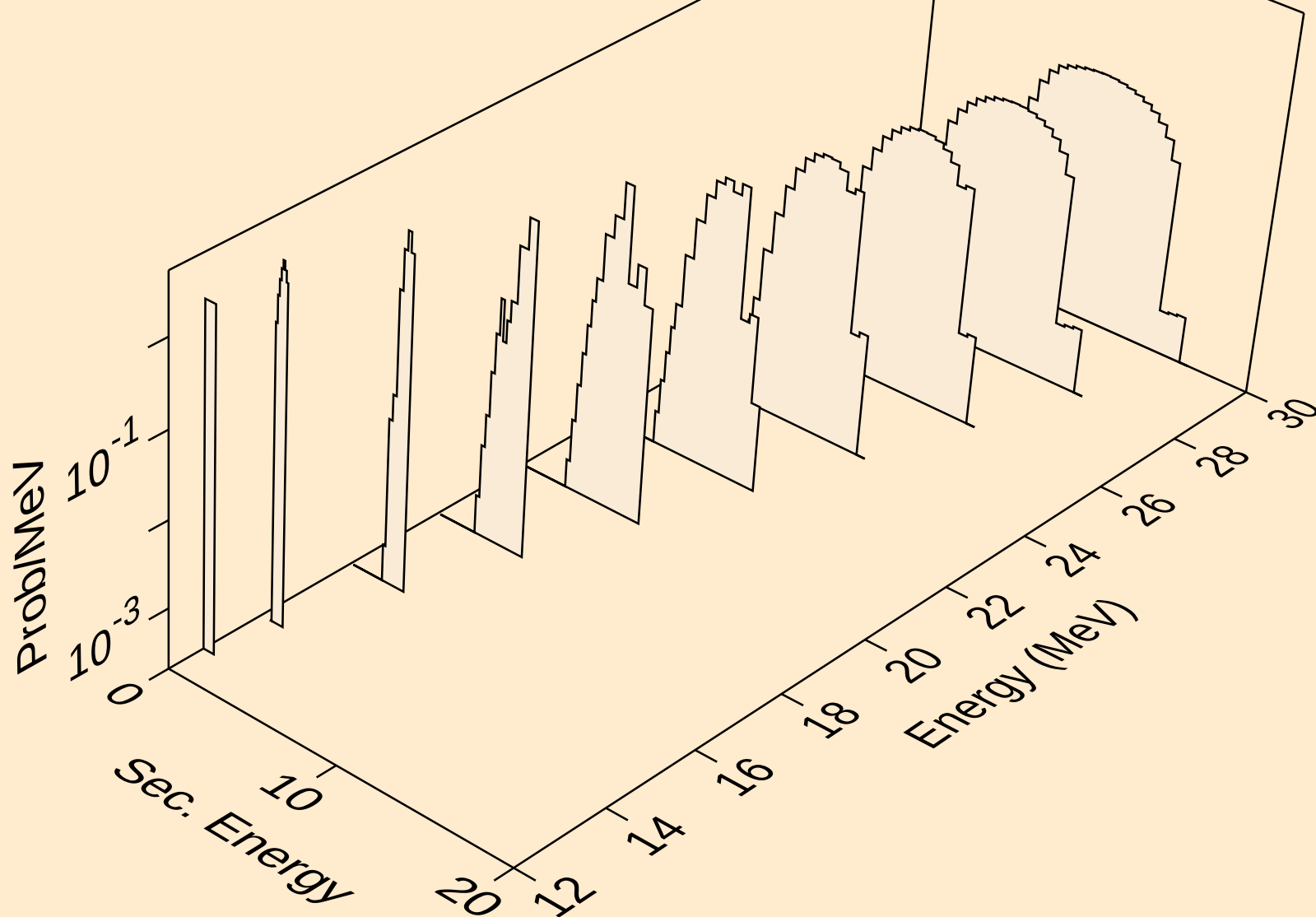
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tritons from (p,x)



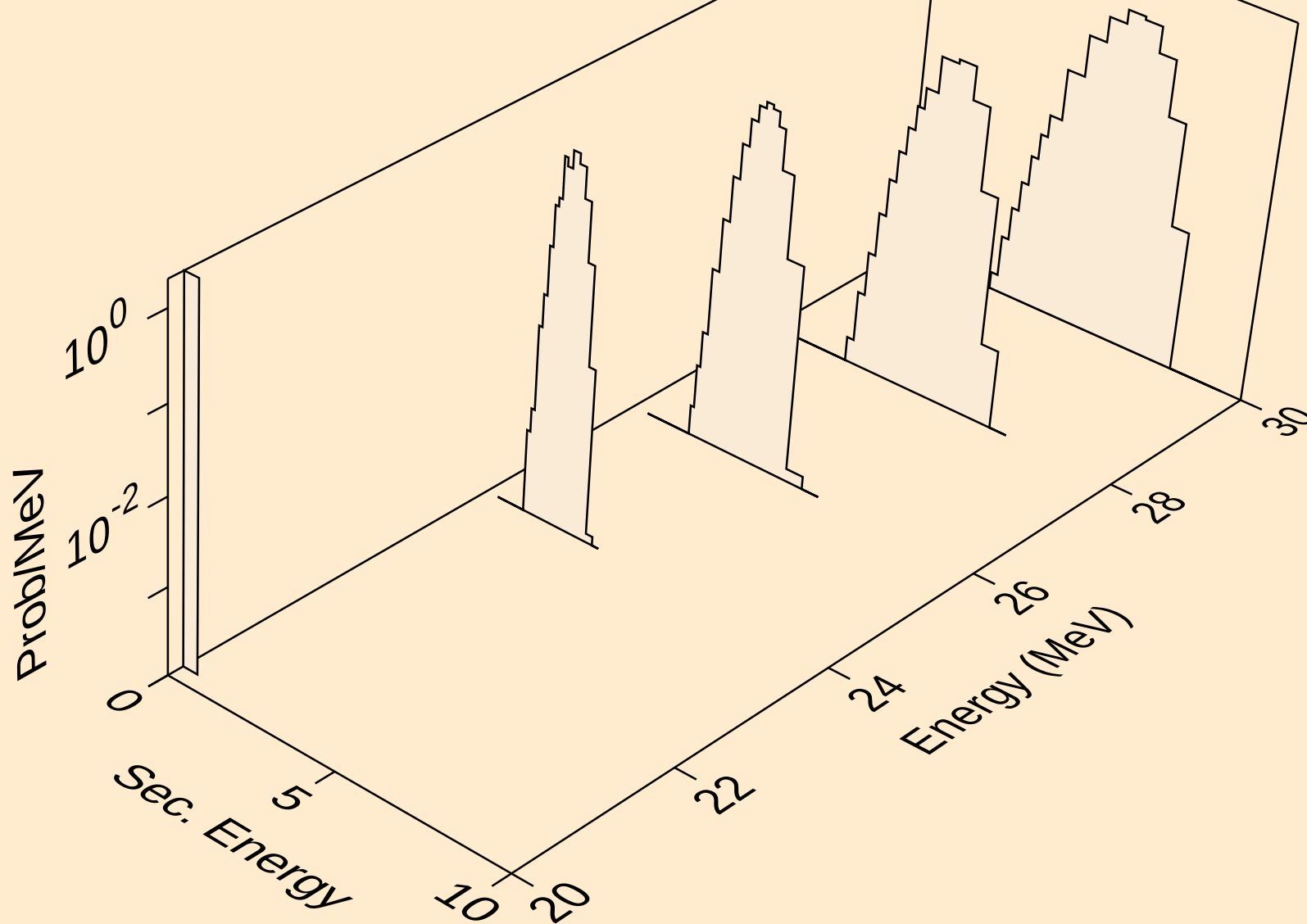
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tritons from (p,n*)t



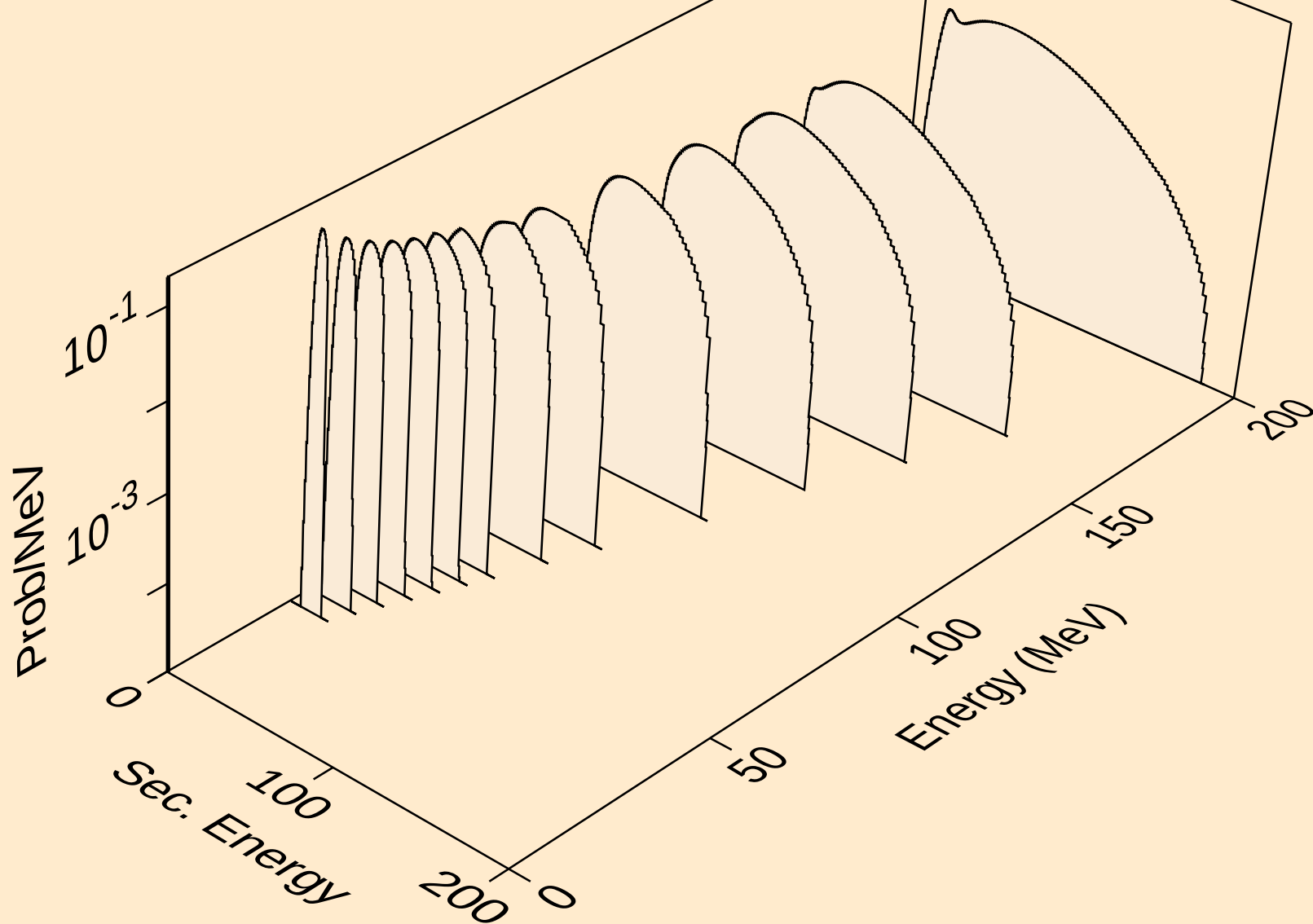
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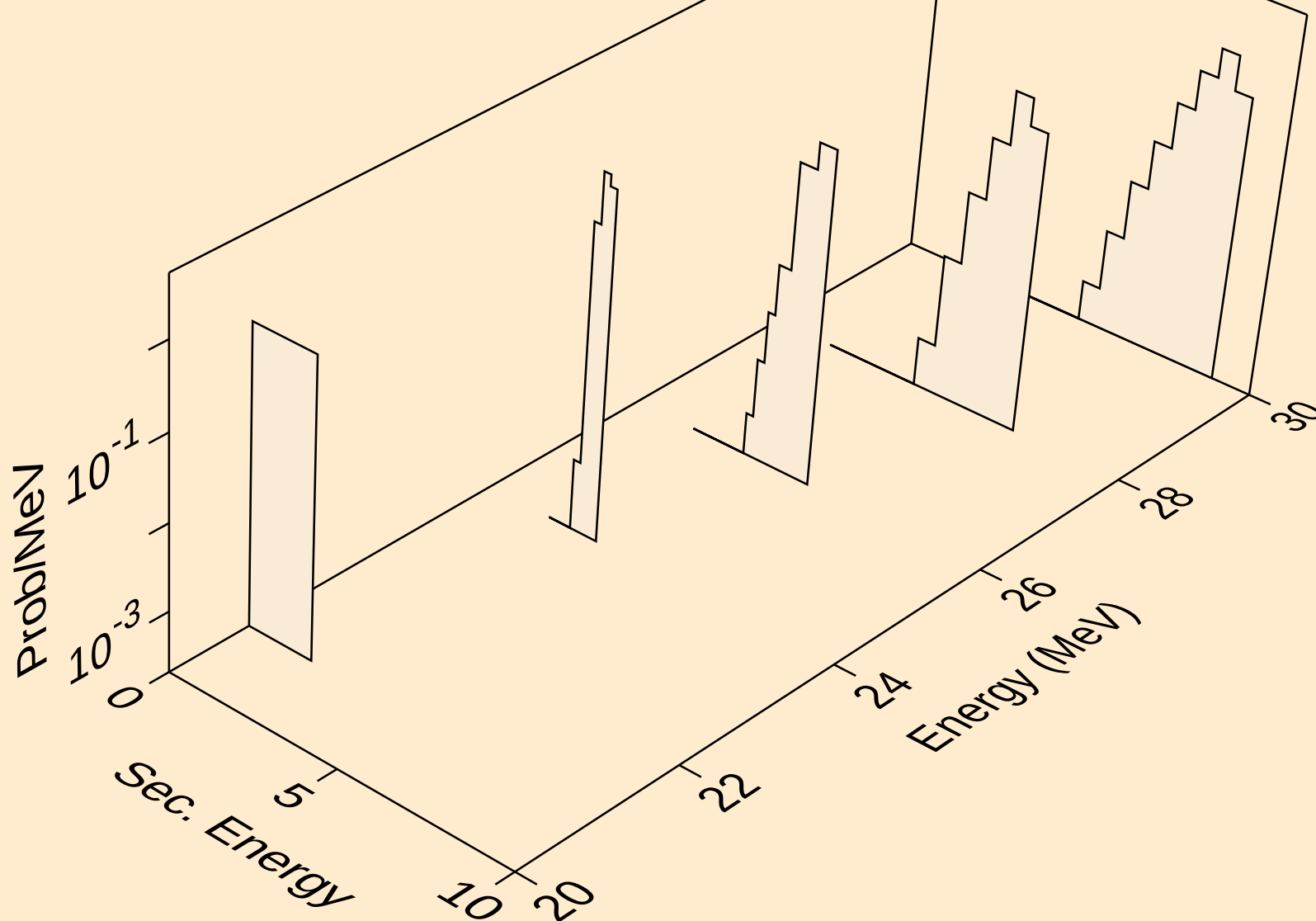
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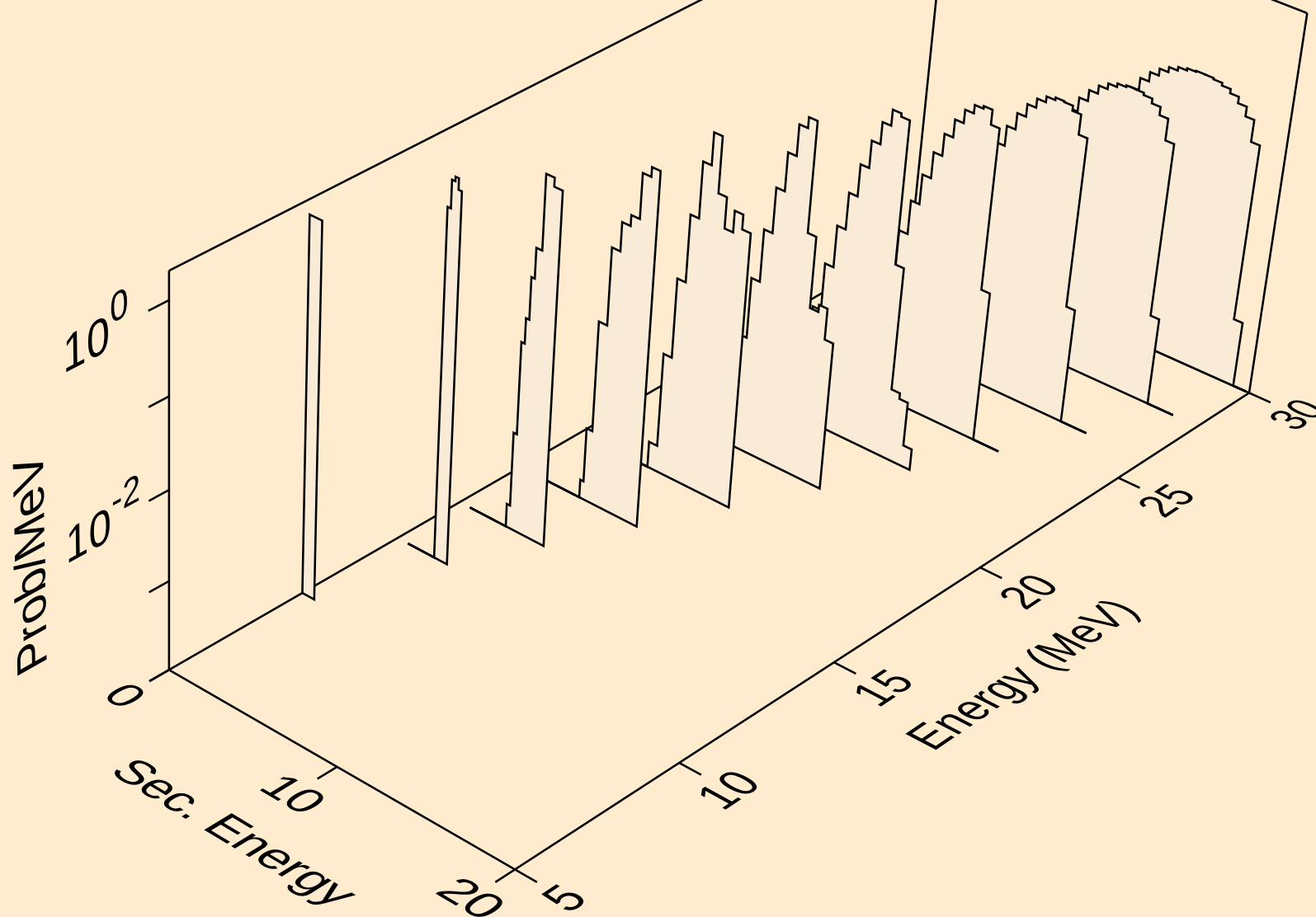
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he3s from (p,x)



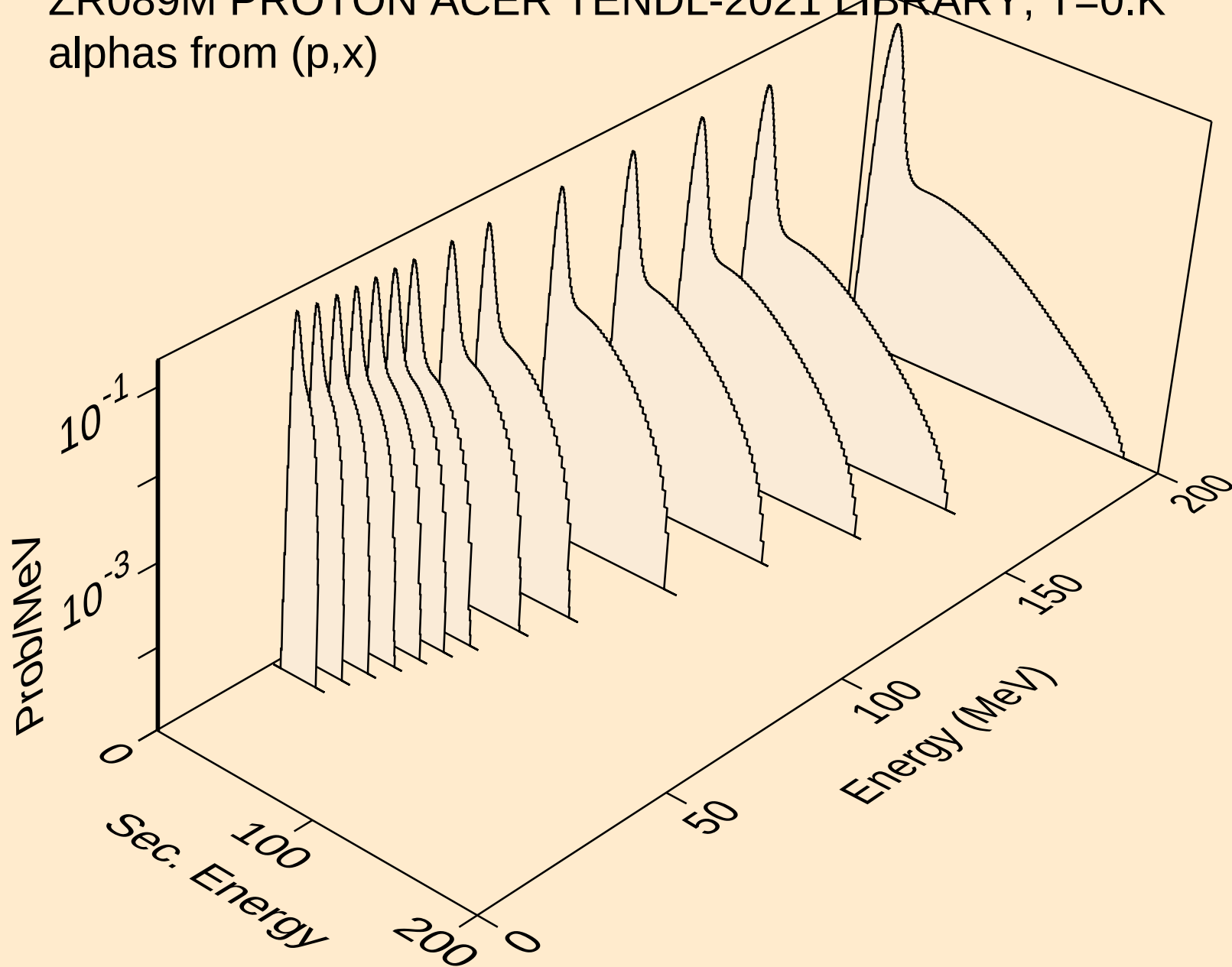
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he3s from (p,n*)he3



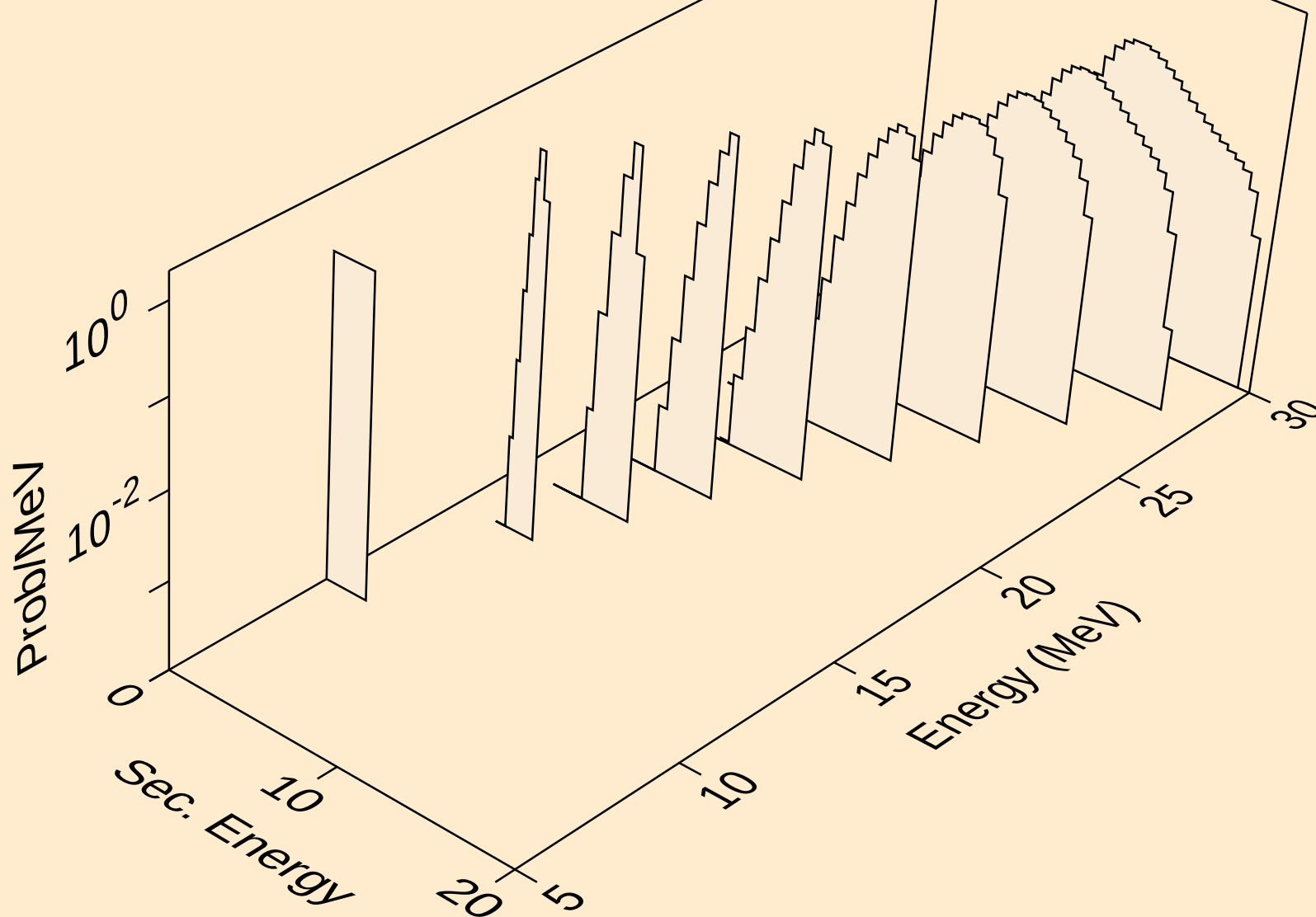
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he3s from (p,he3)



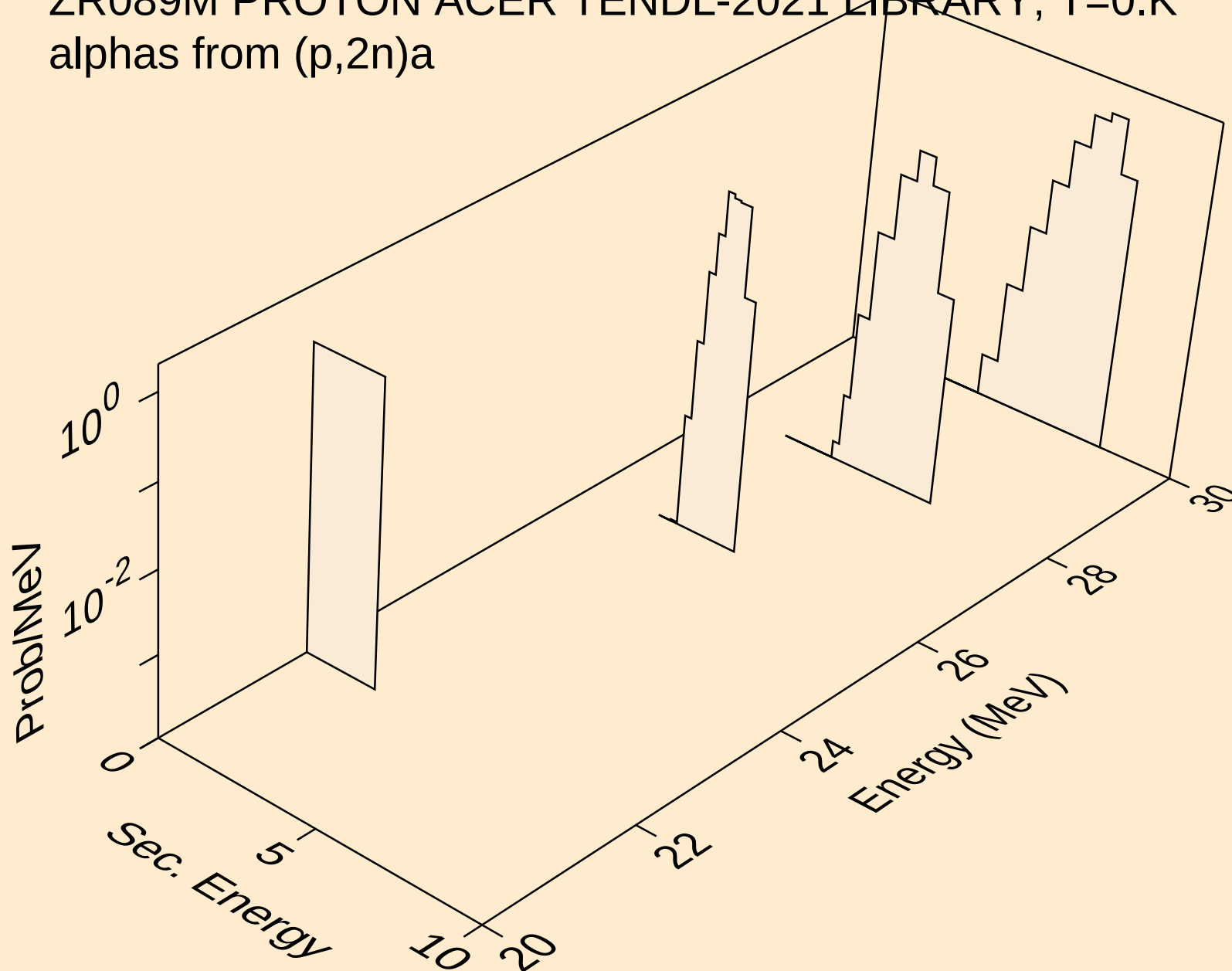
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alphas from (p,x)



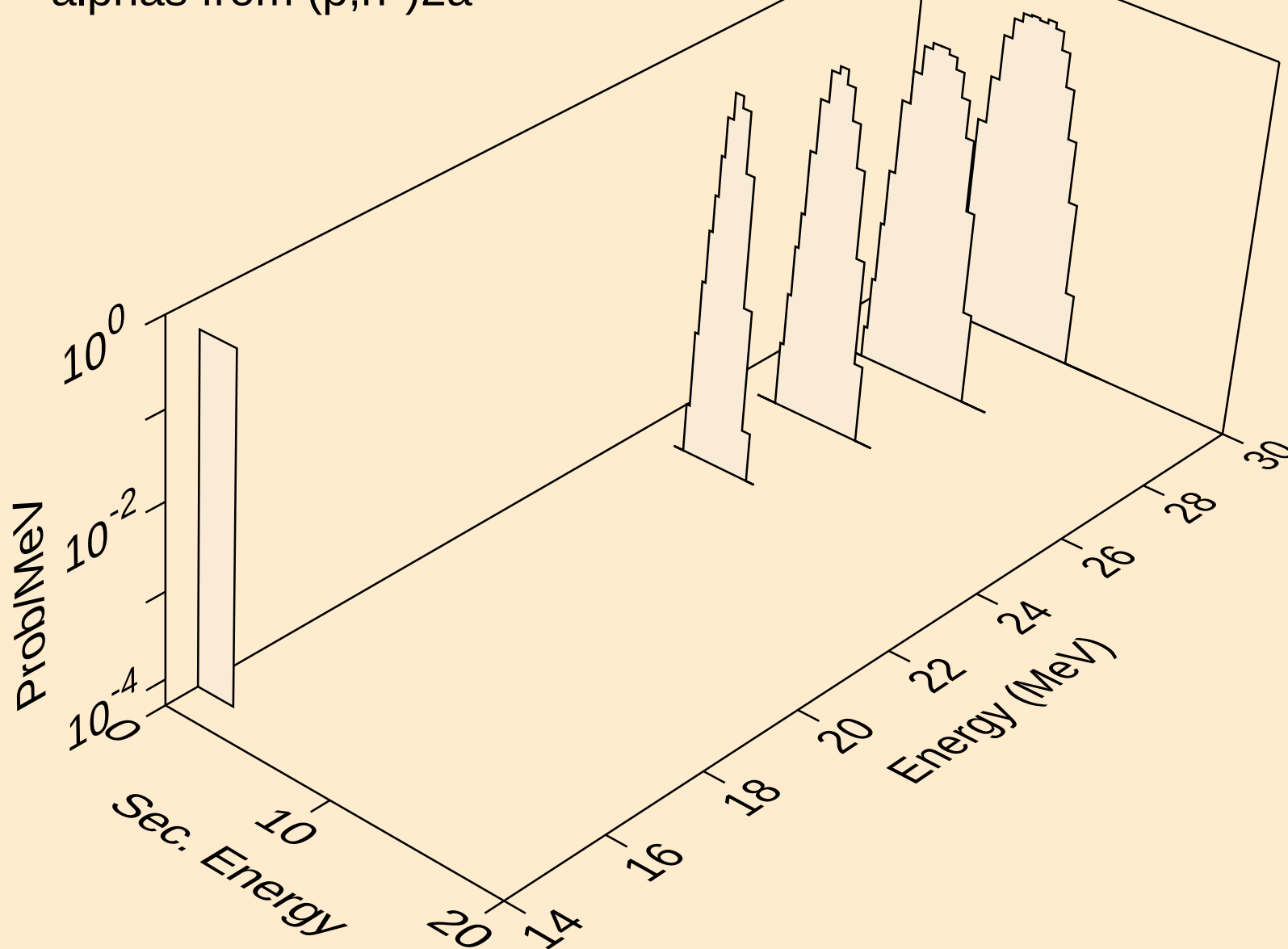
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alphas from (p,n*)a



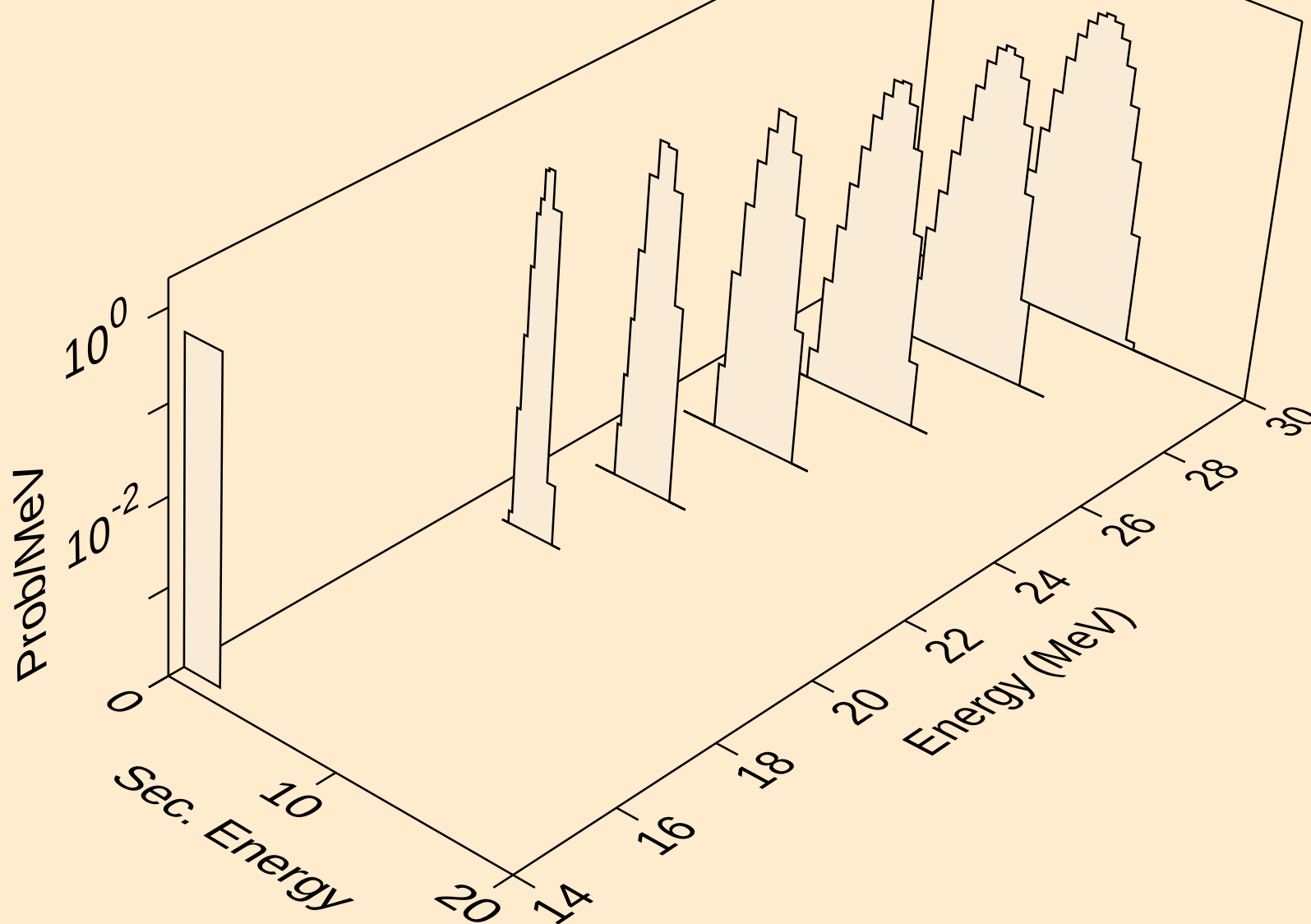
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alphas from (p,2n)a



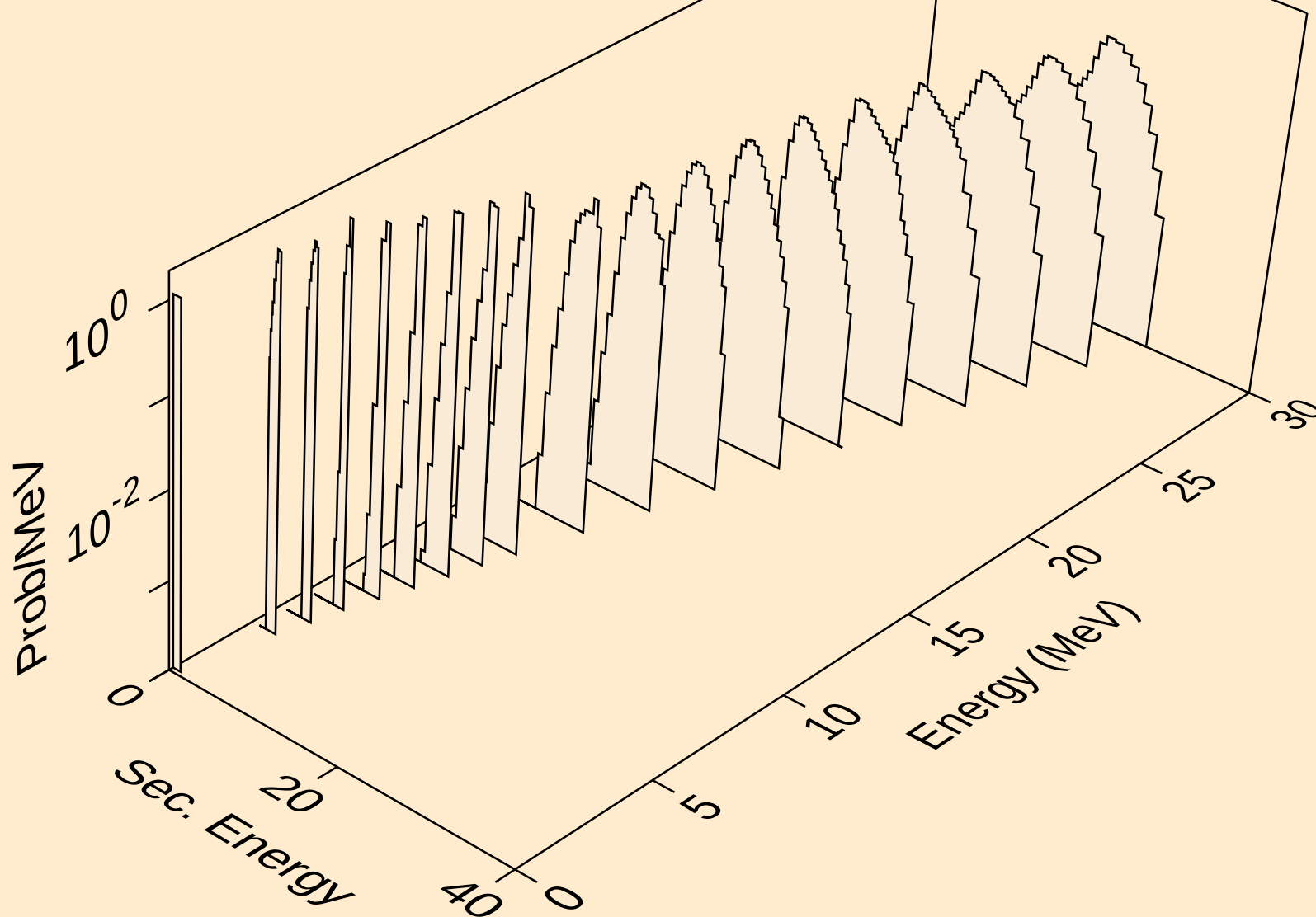
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alphas from (p,n*)2a



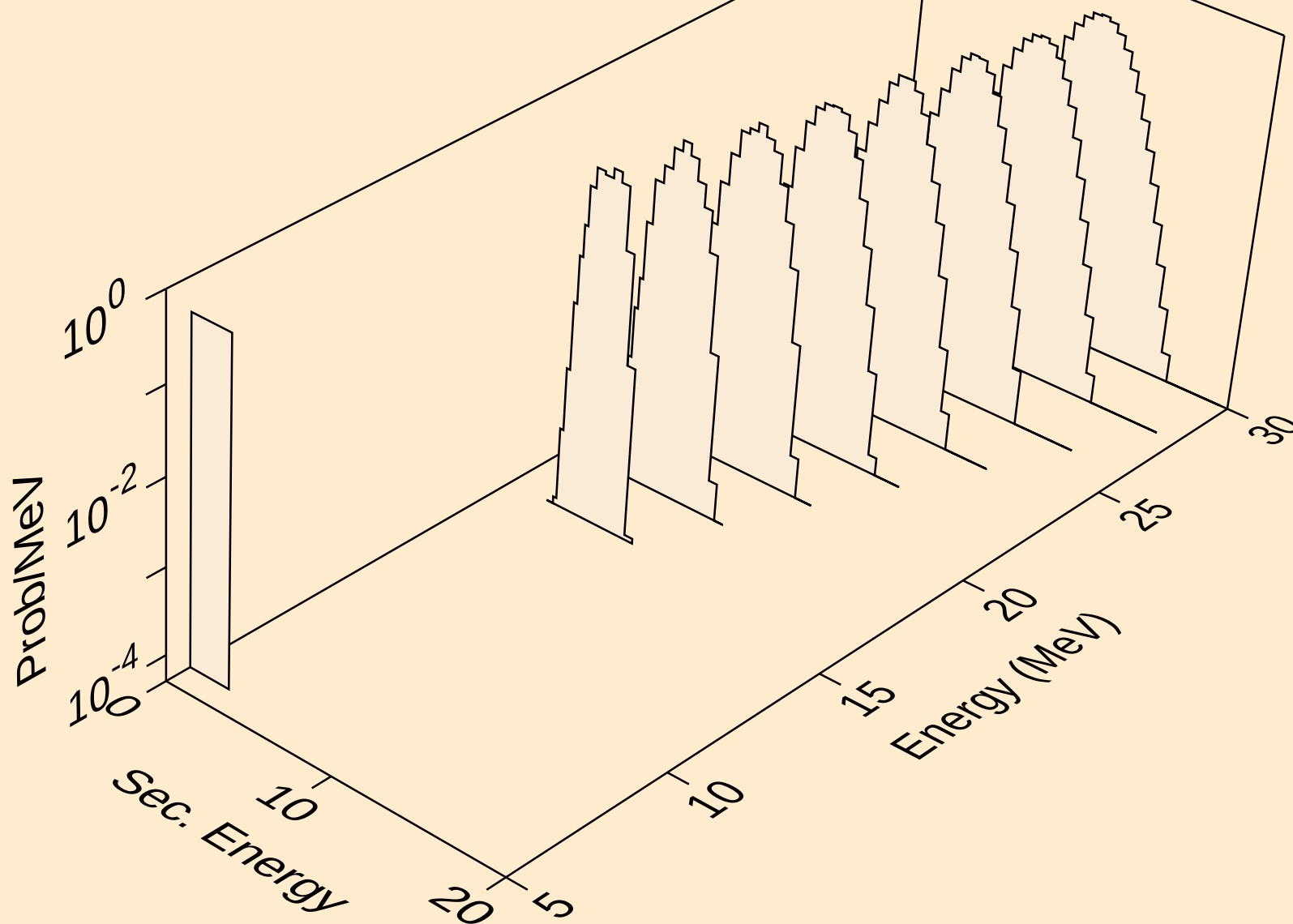
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alphas from (p,npa)



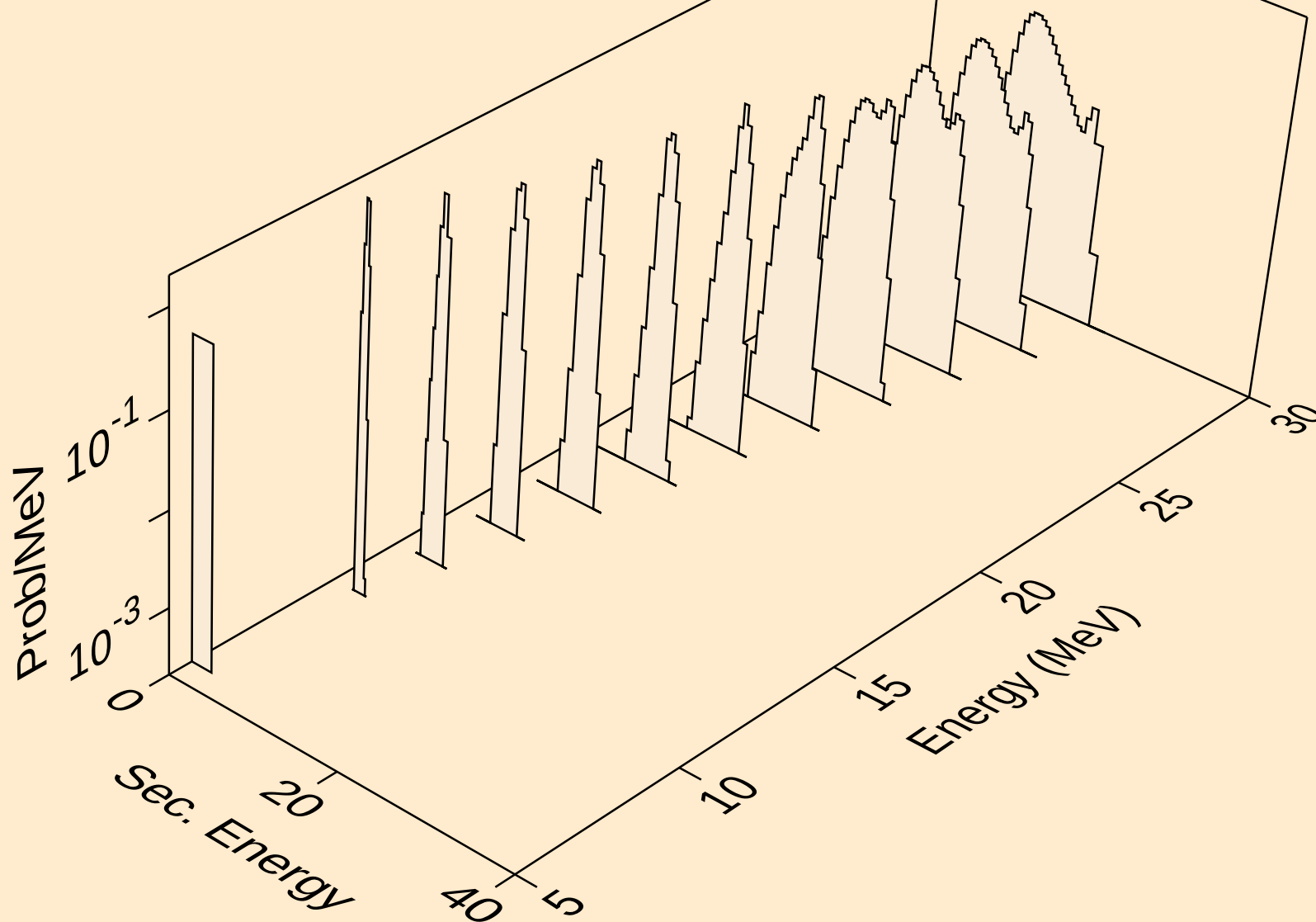
ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,a)



ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,2a)



ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,pa)



ZR089M PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,da)

