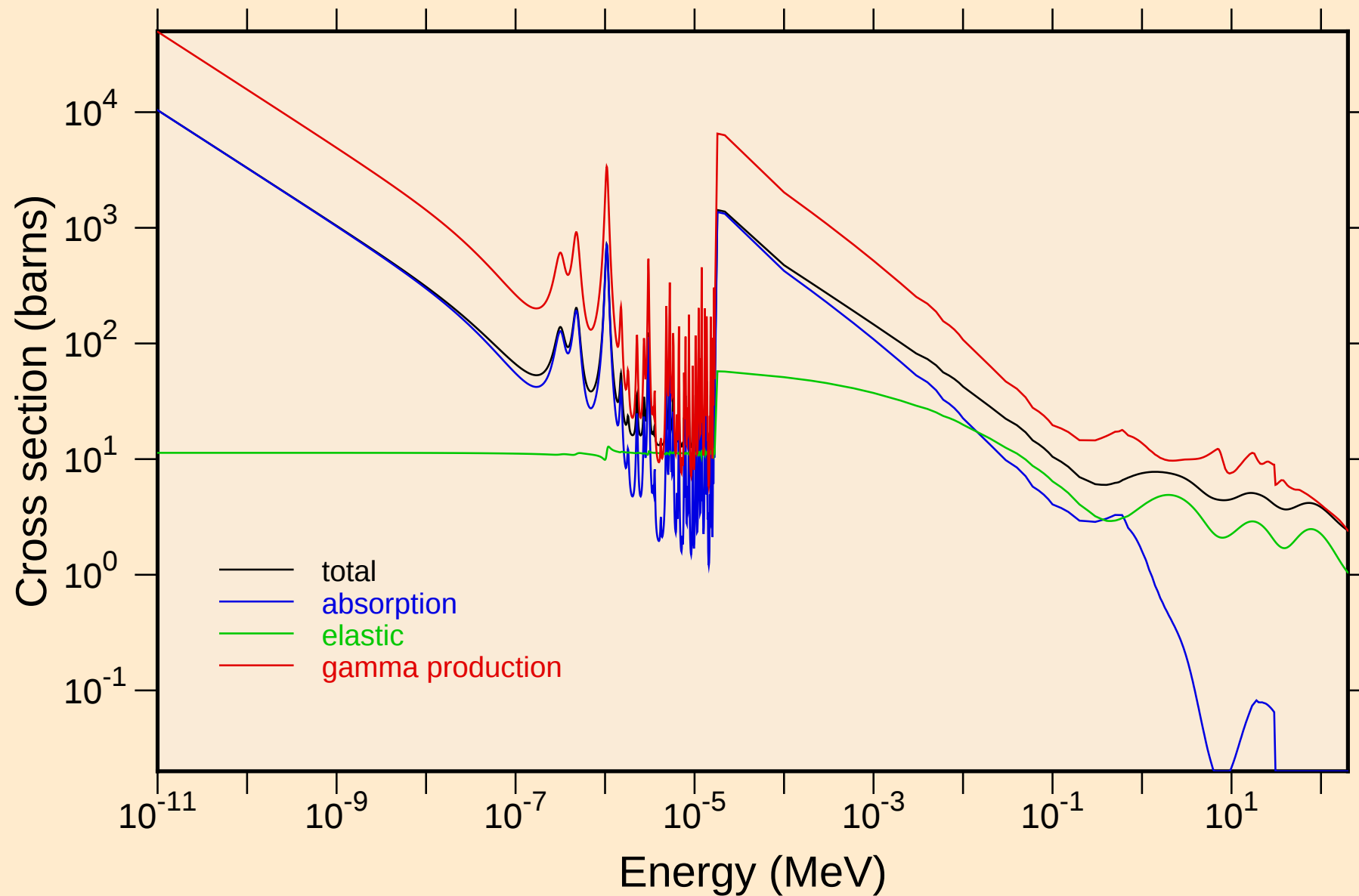
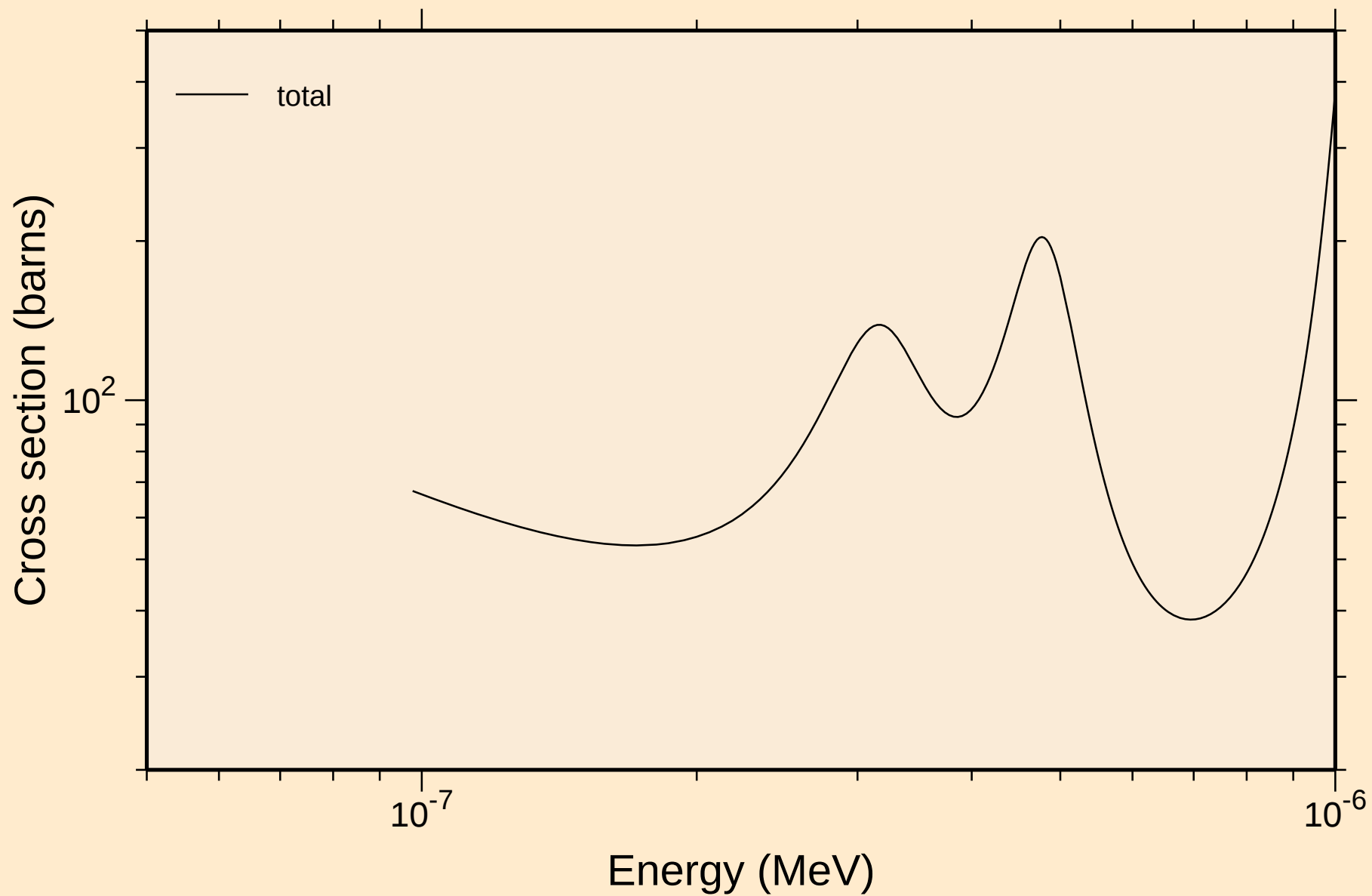


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

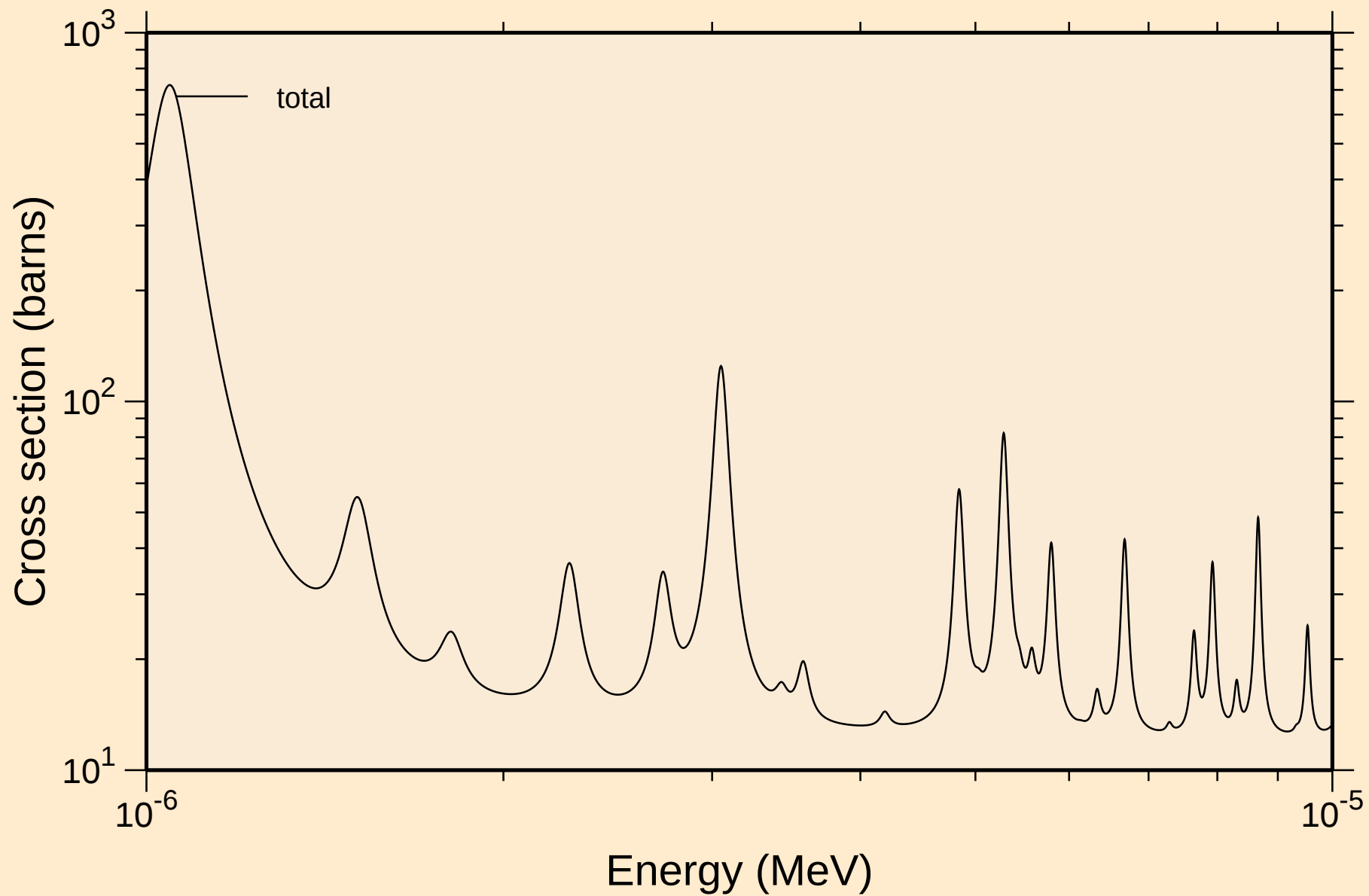
Principal cross sections



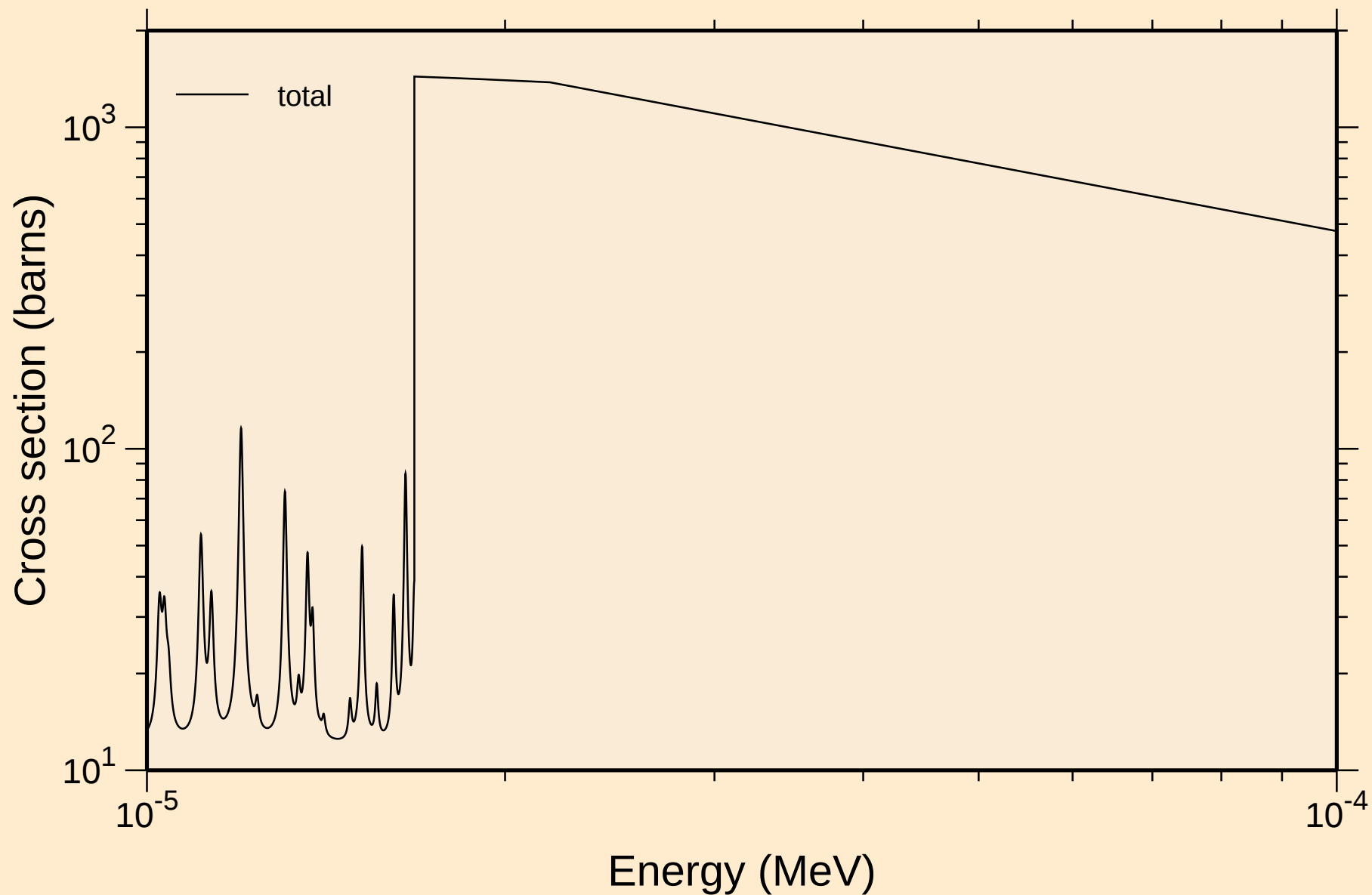
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



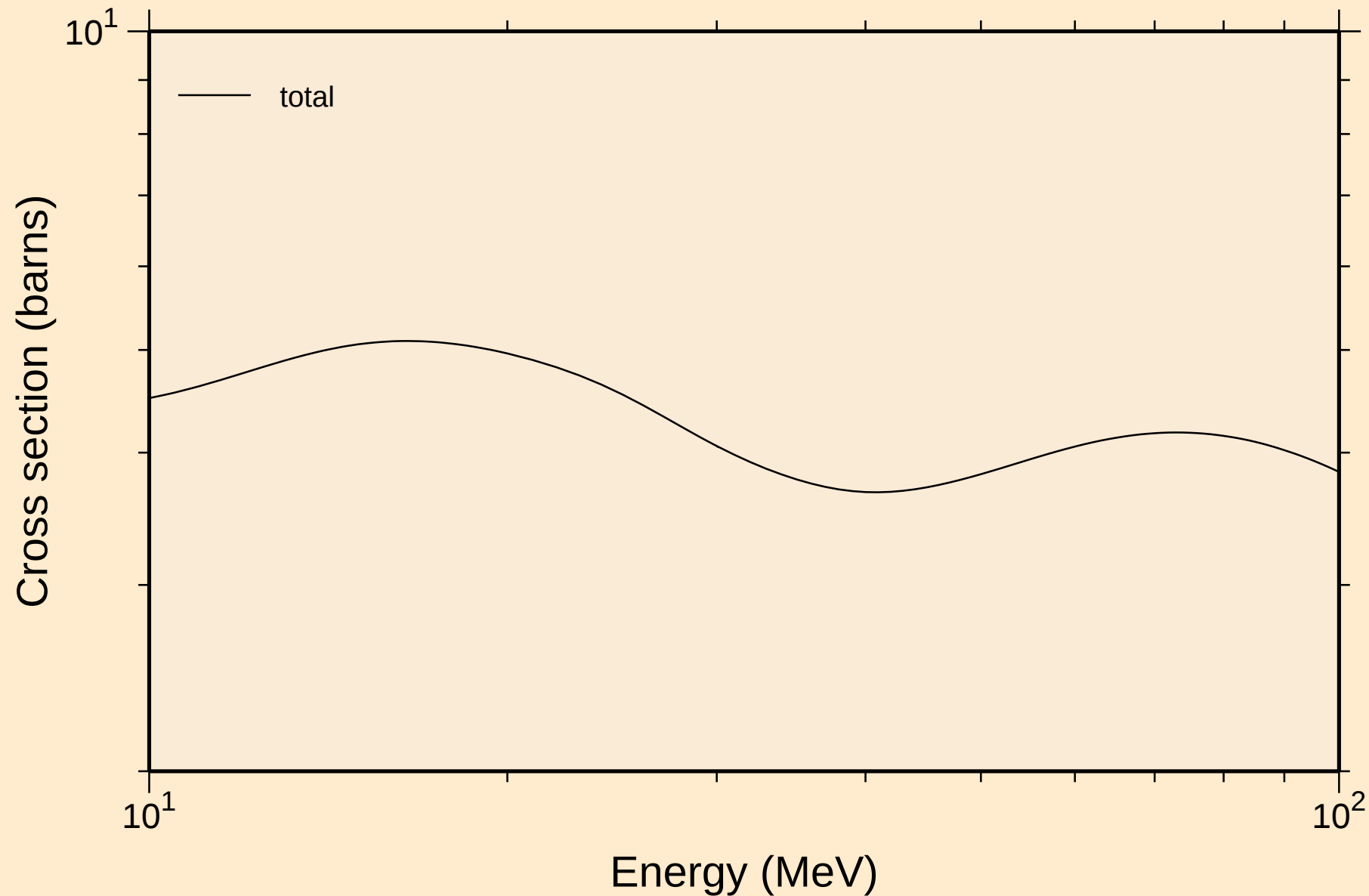
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



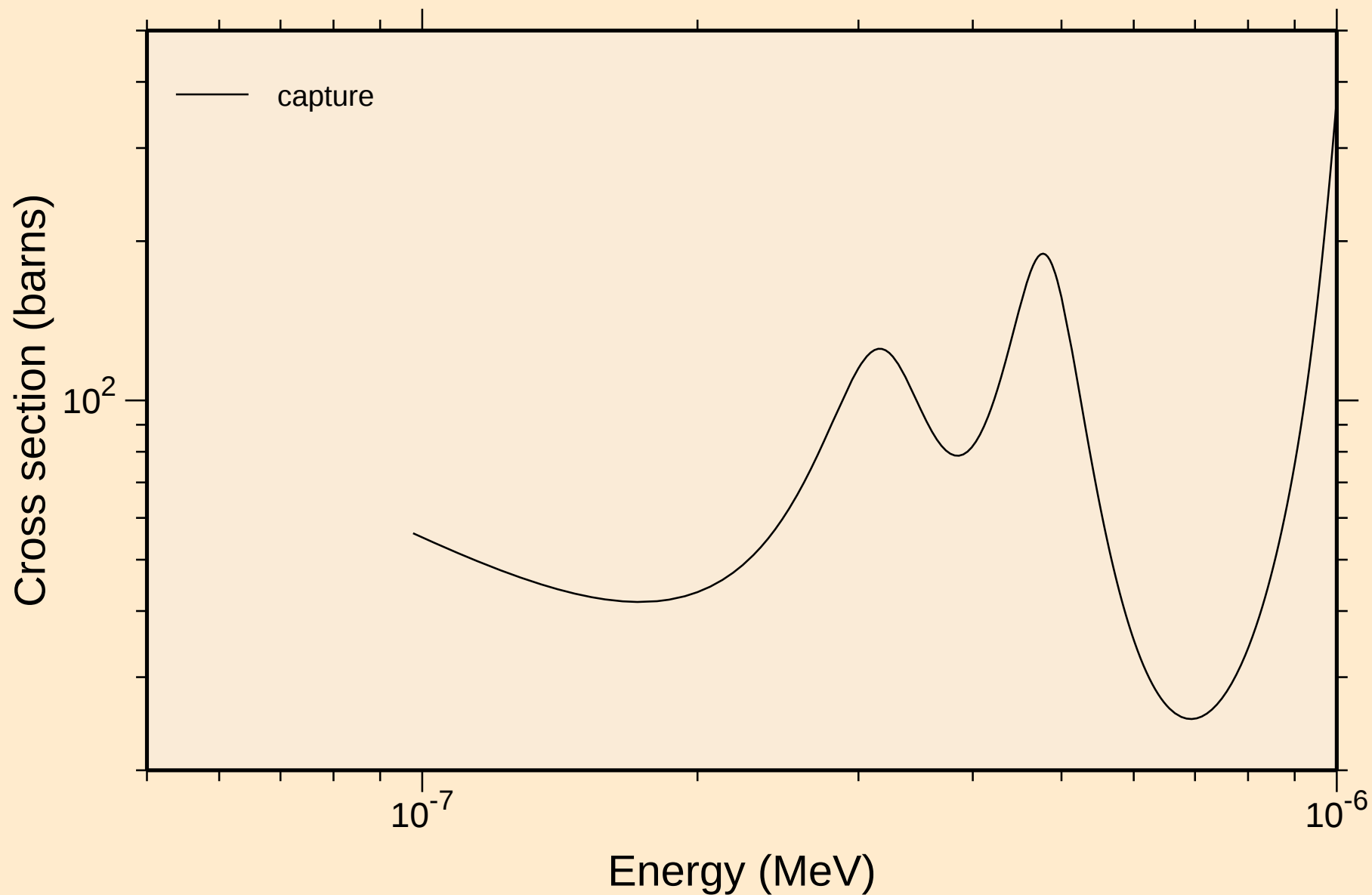
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resonance total cross section



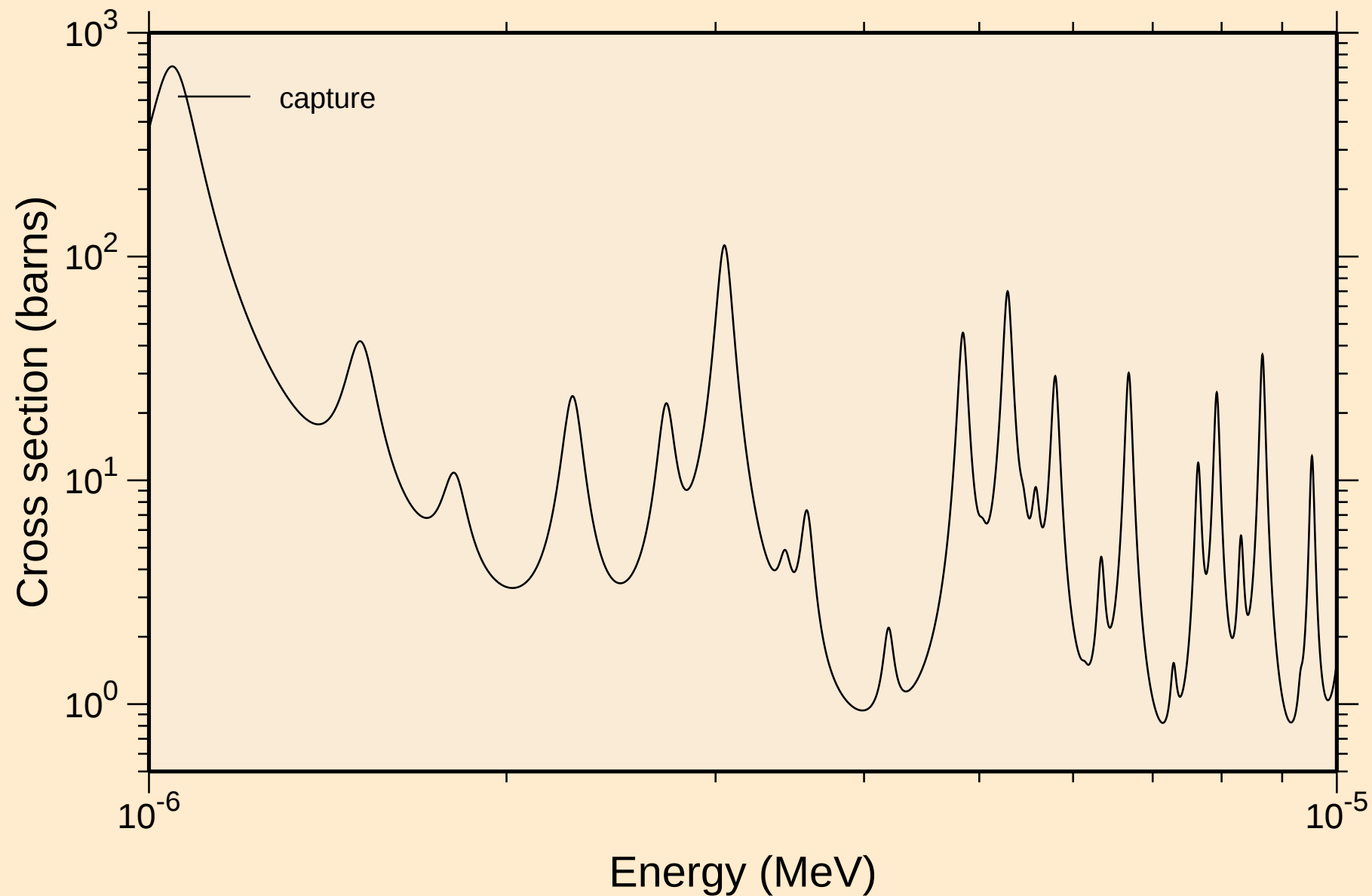
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resonance total cross section



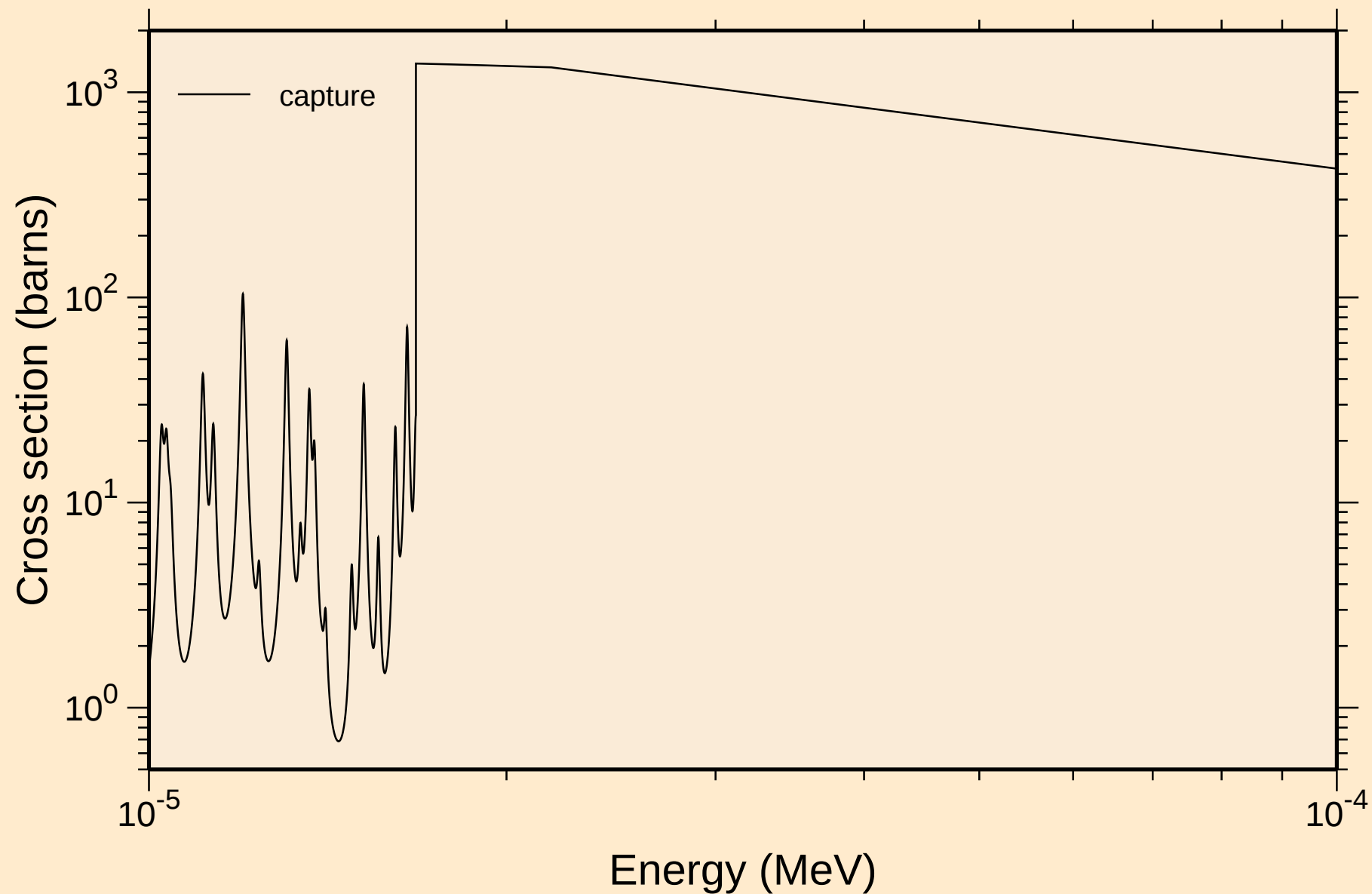
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



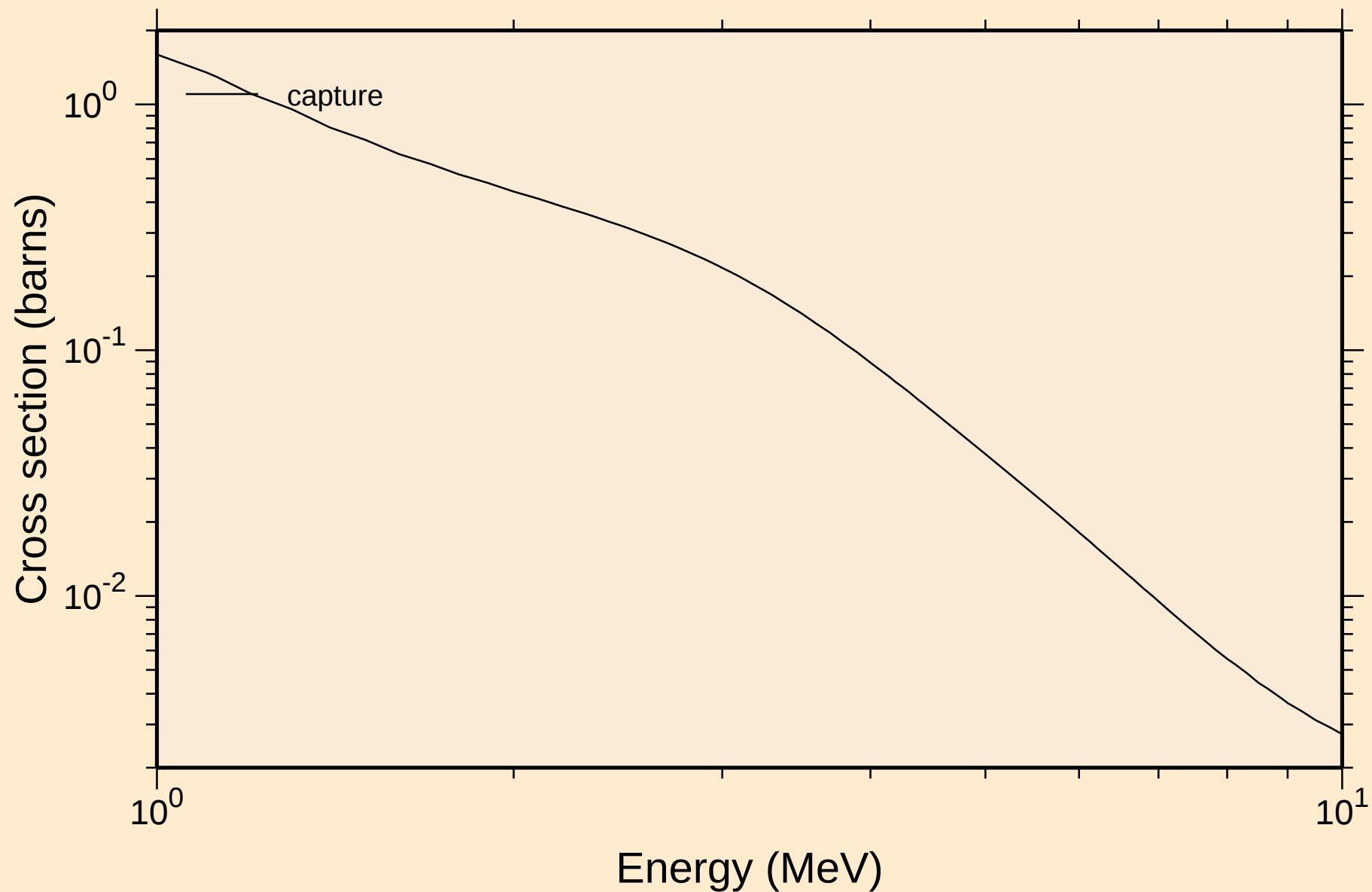
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

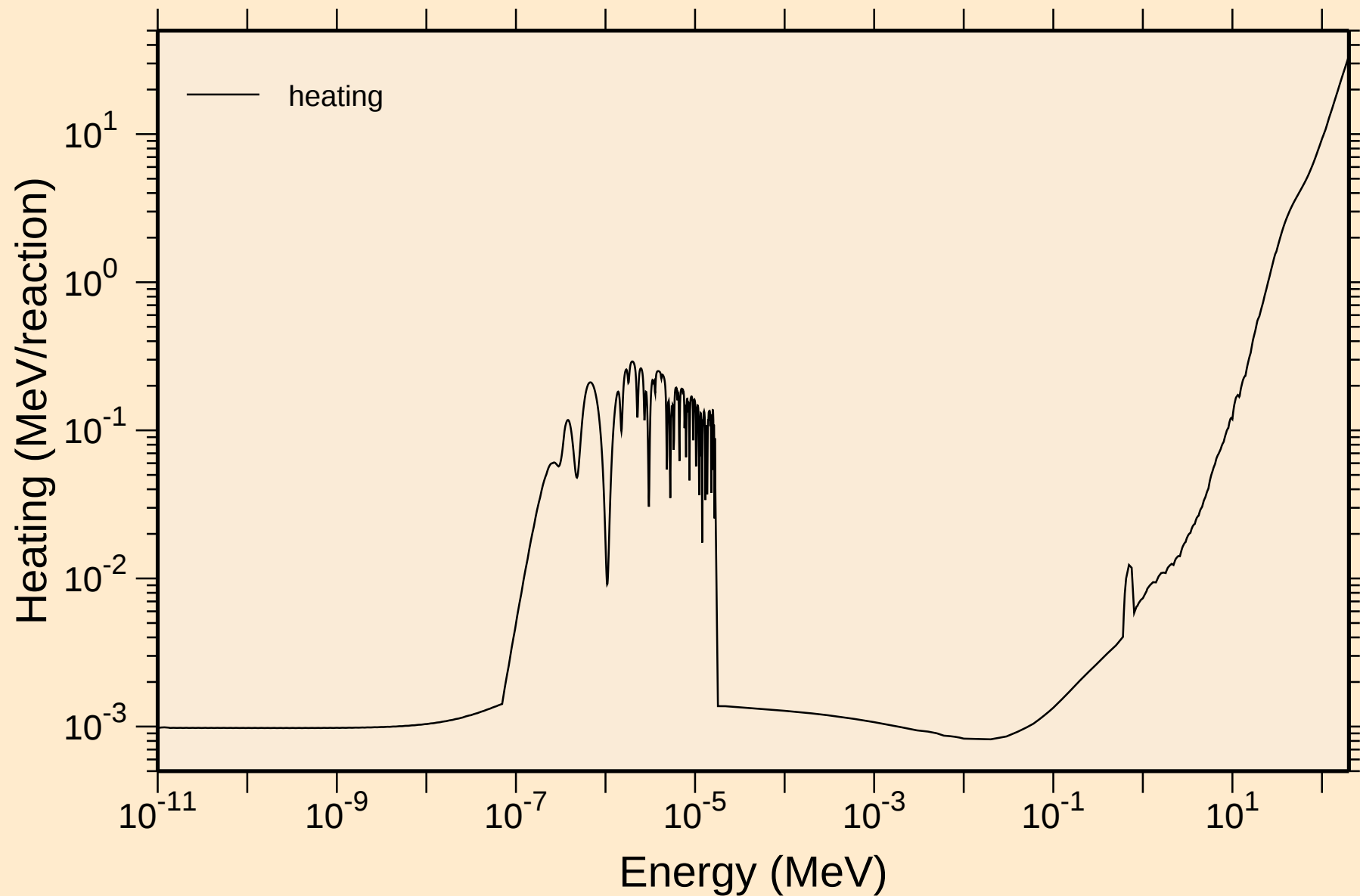


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resonance absorption cross sections



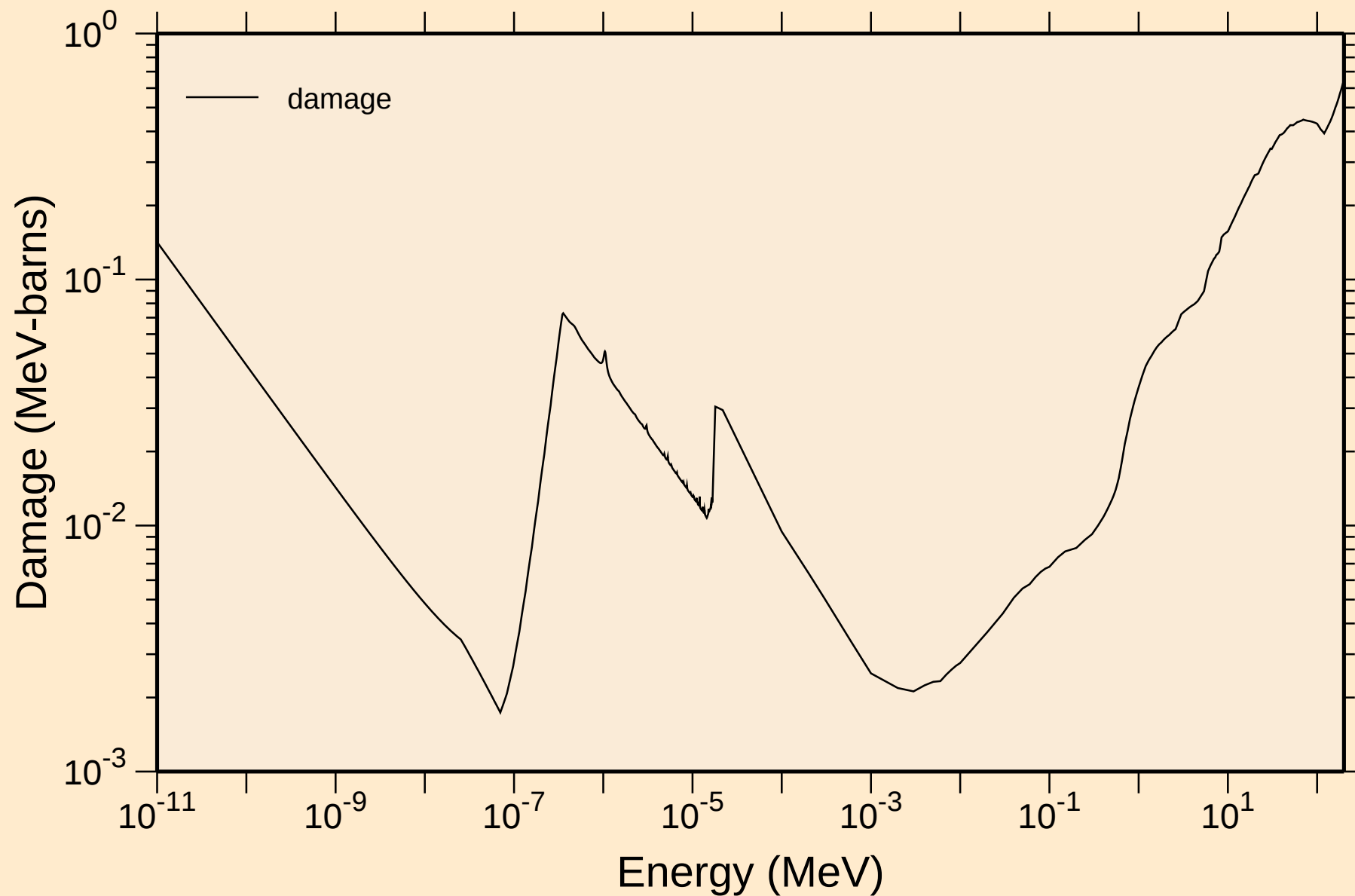
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

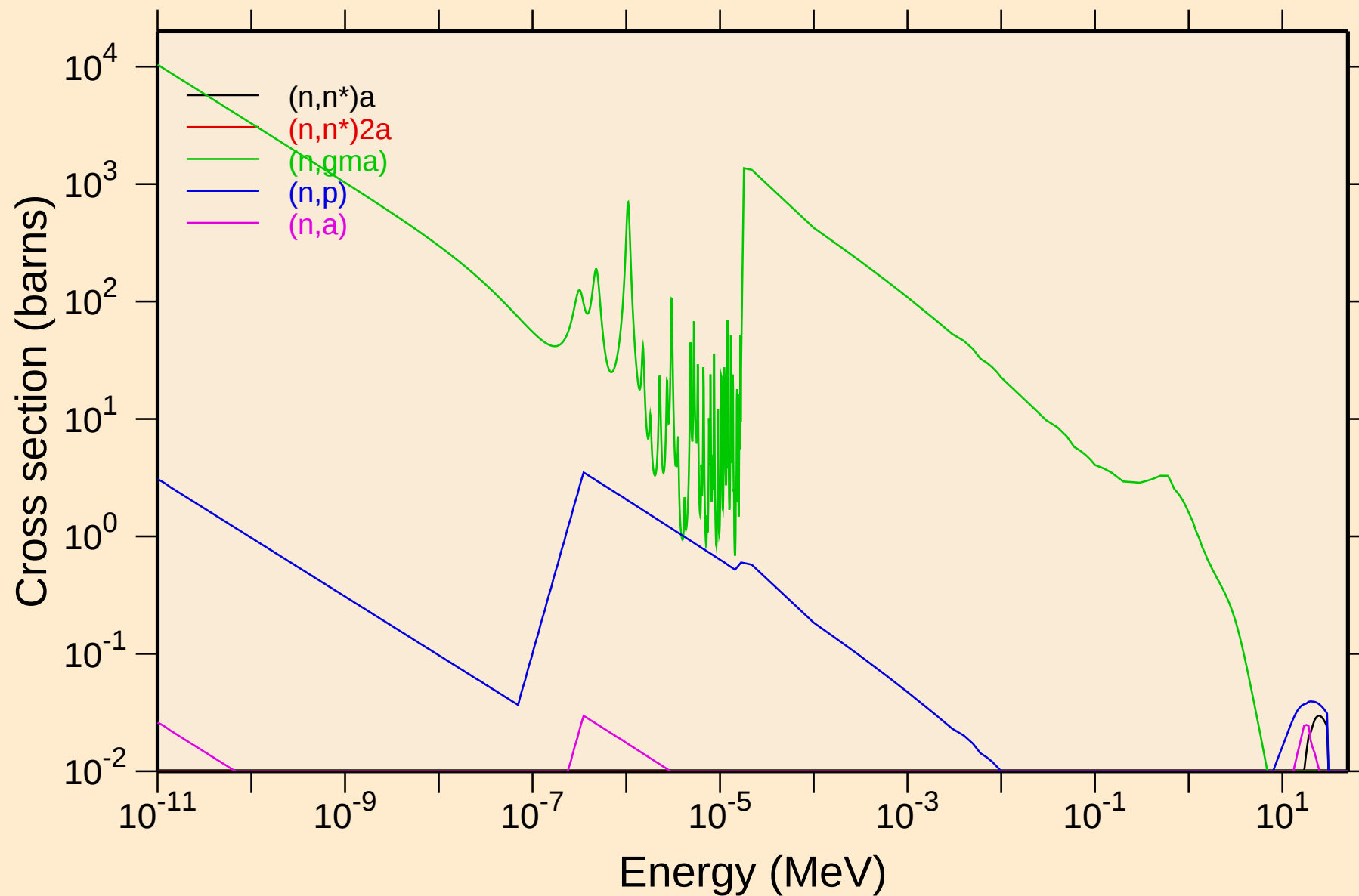


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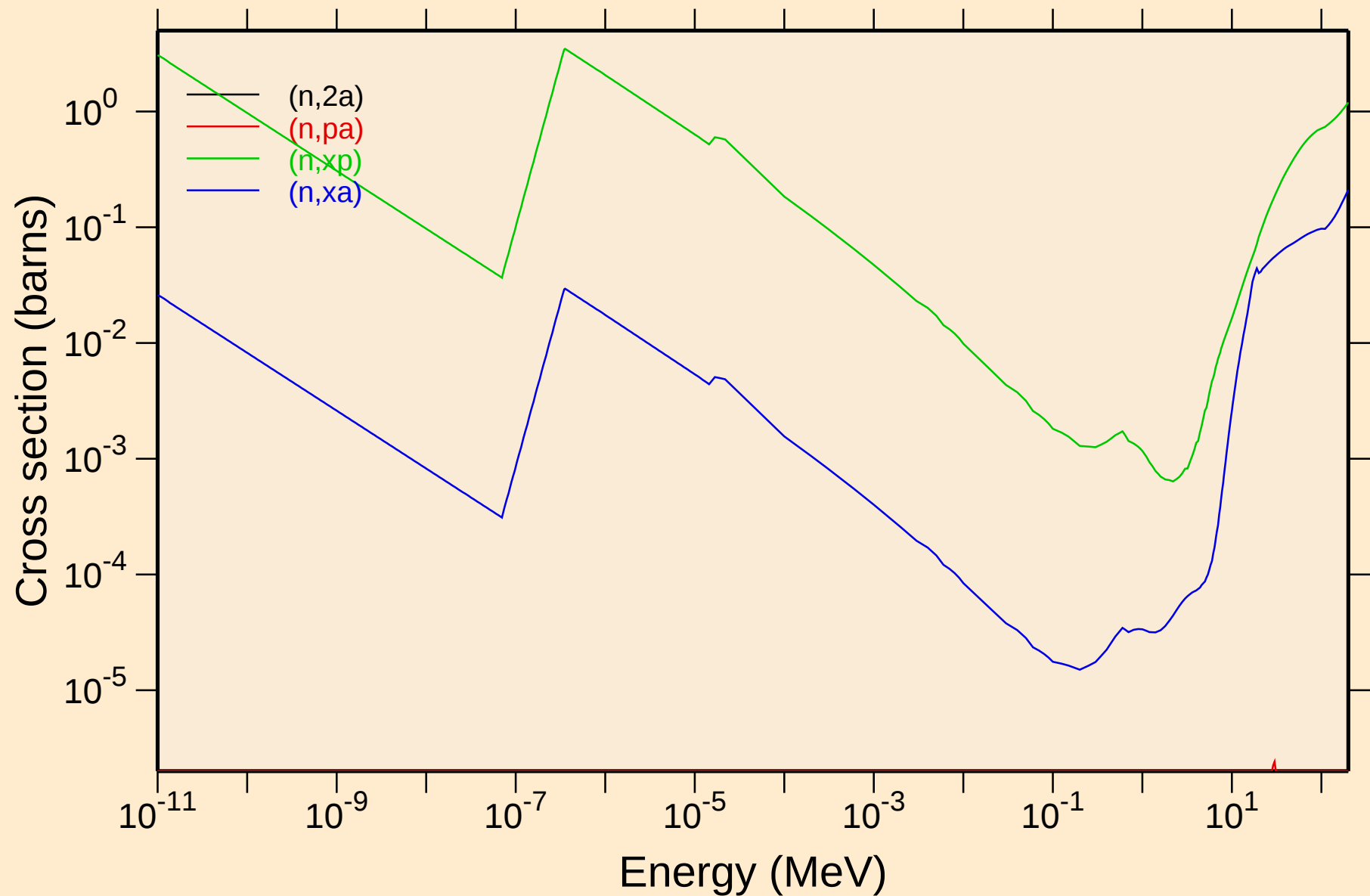
Damage



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

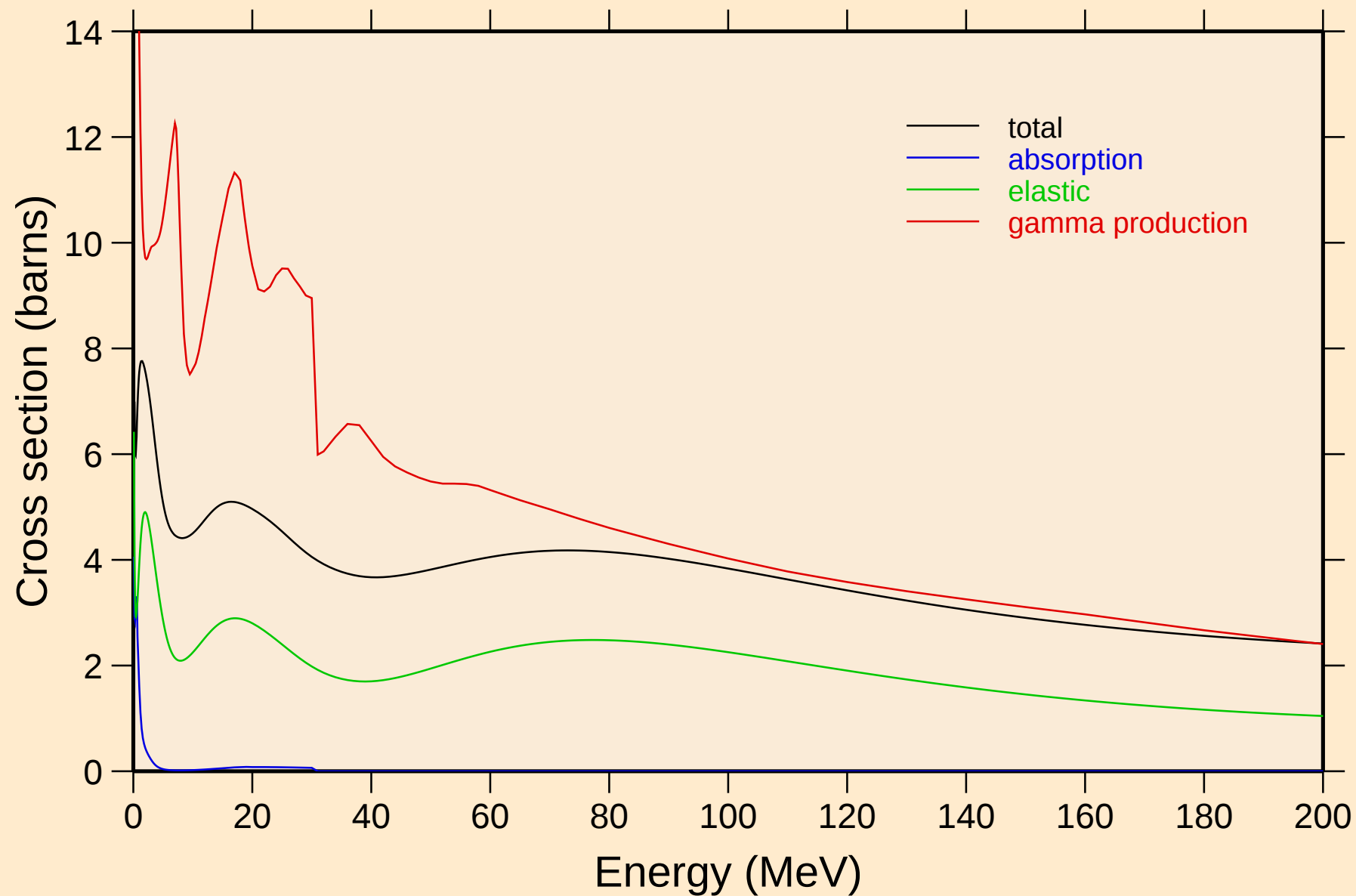


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



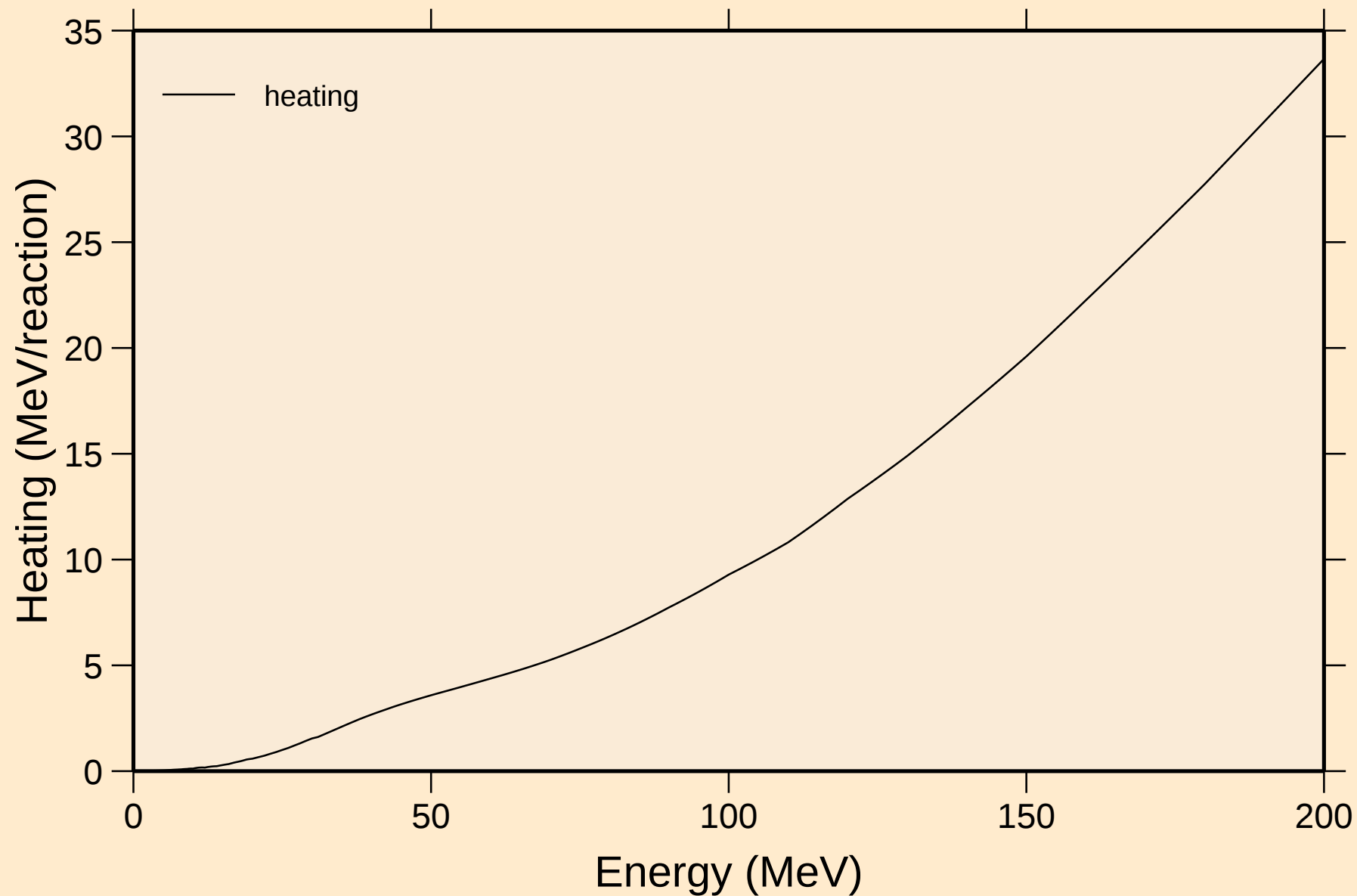
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



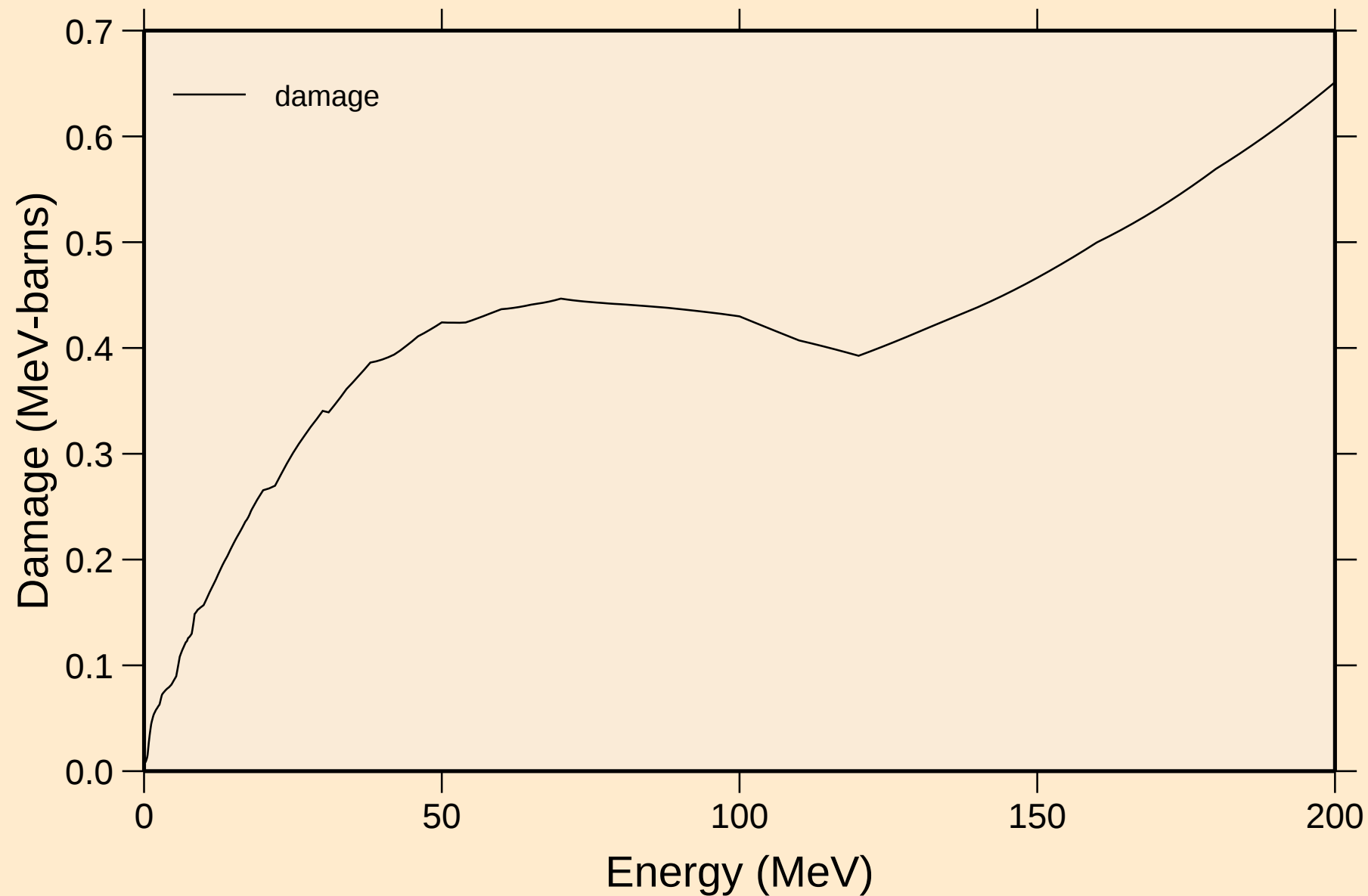
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

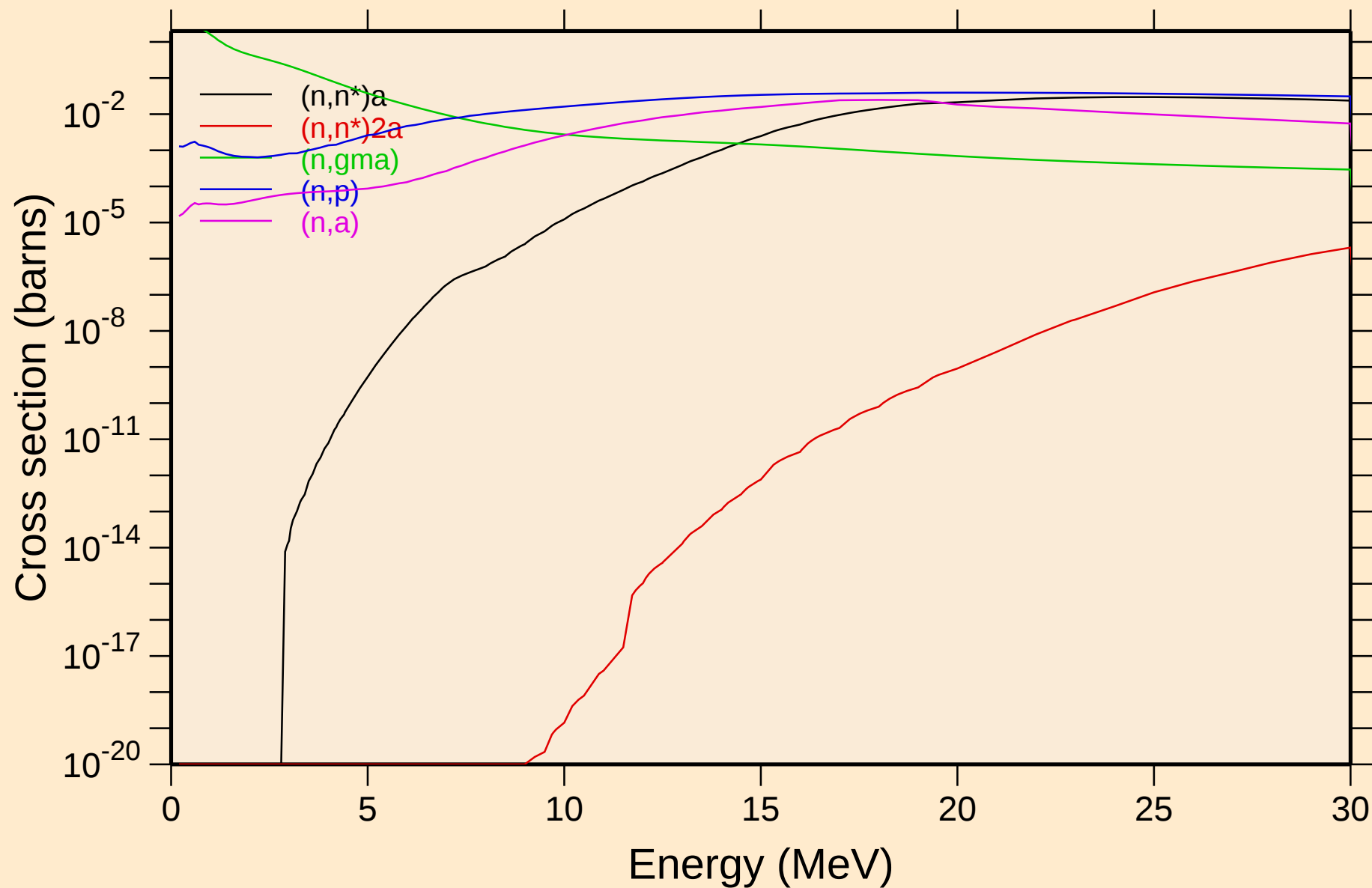


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

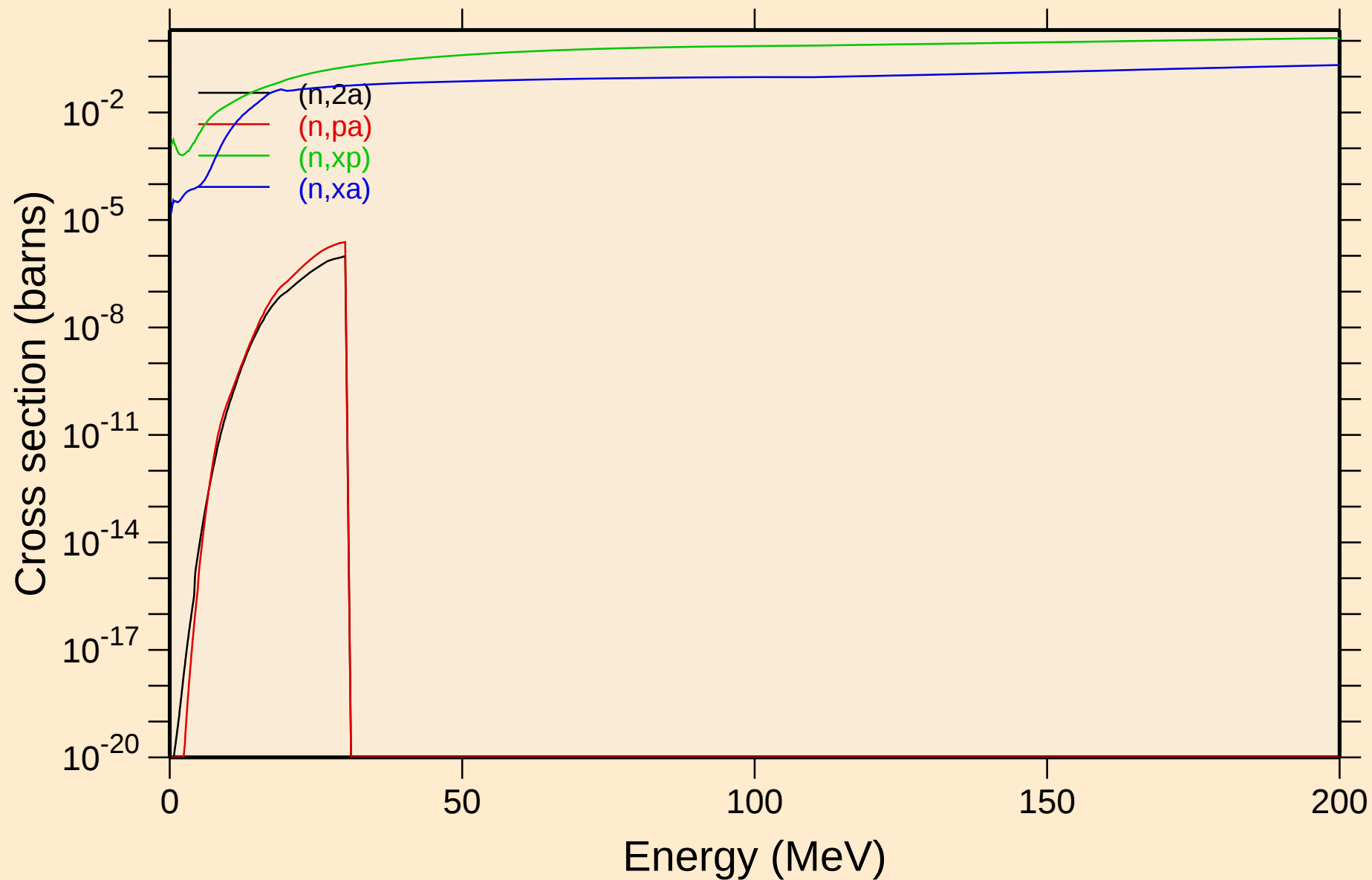
Damage



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

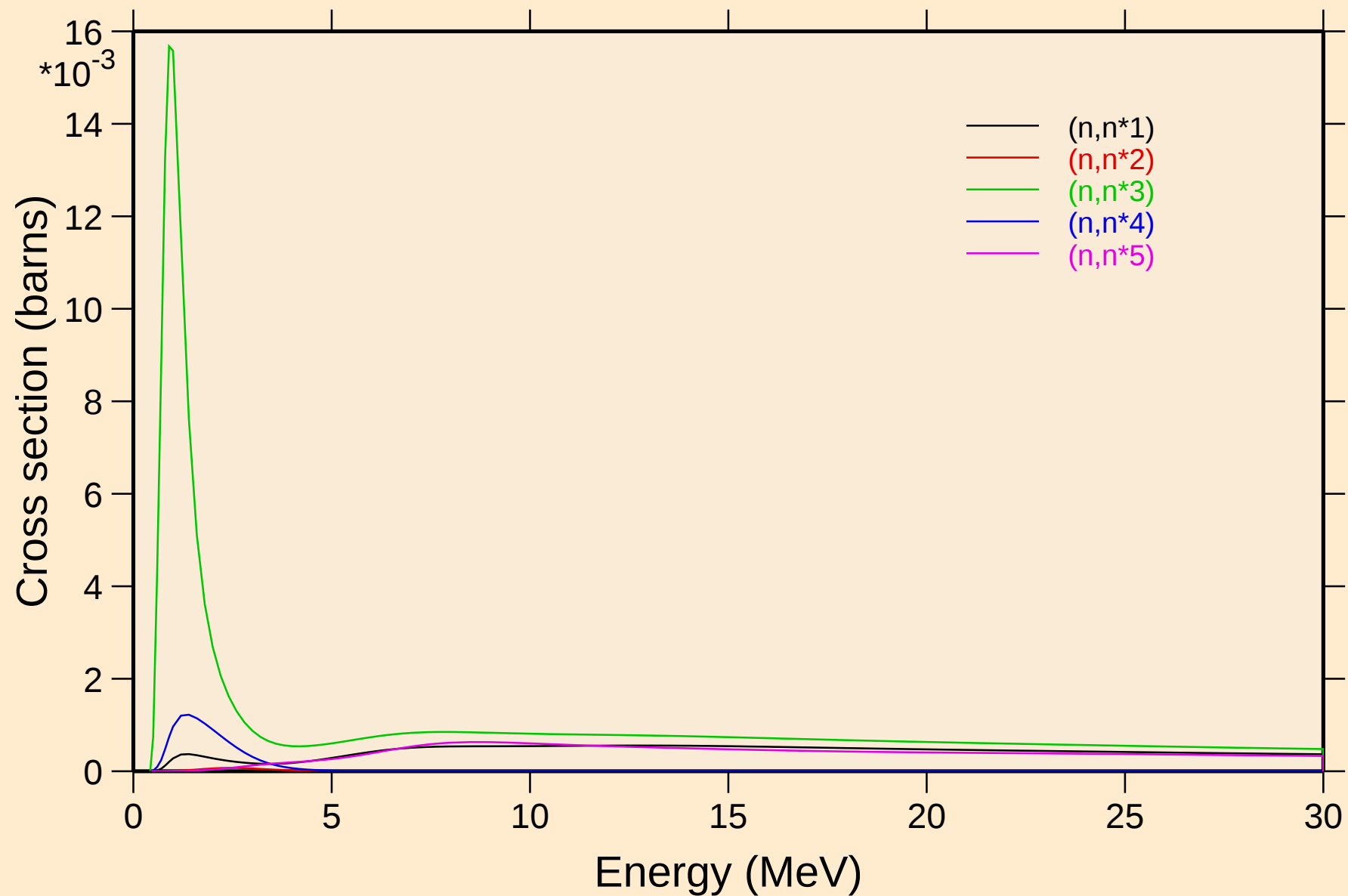


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



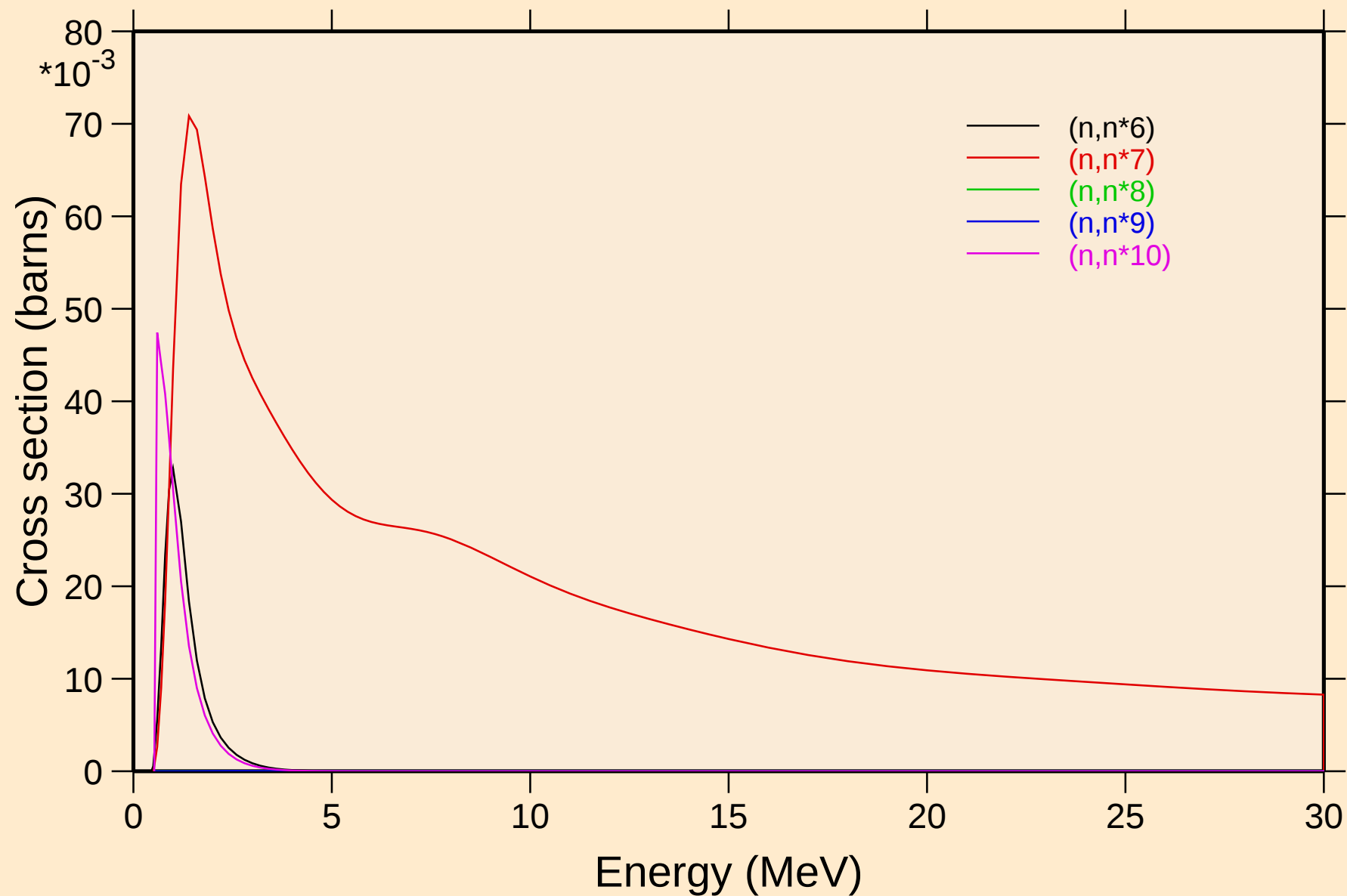
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Inelastic levels



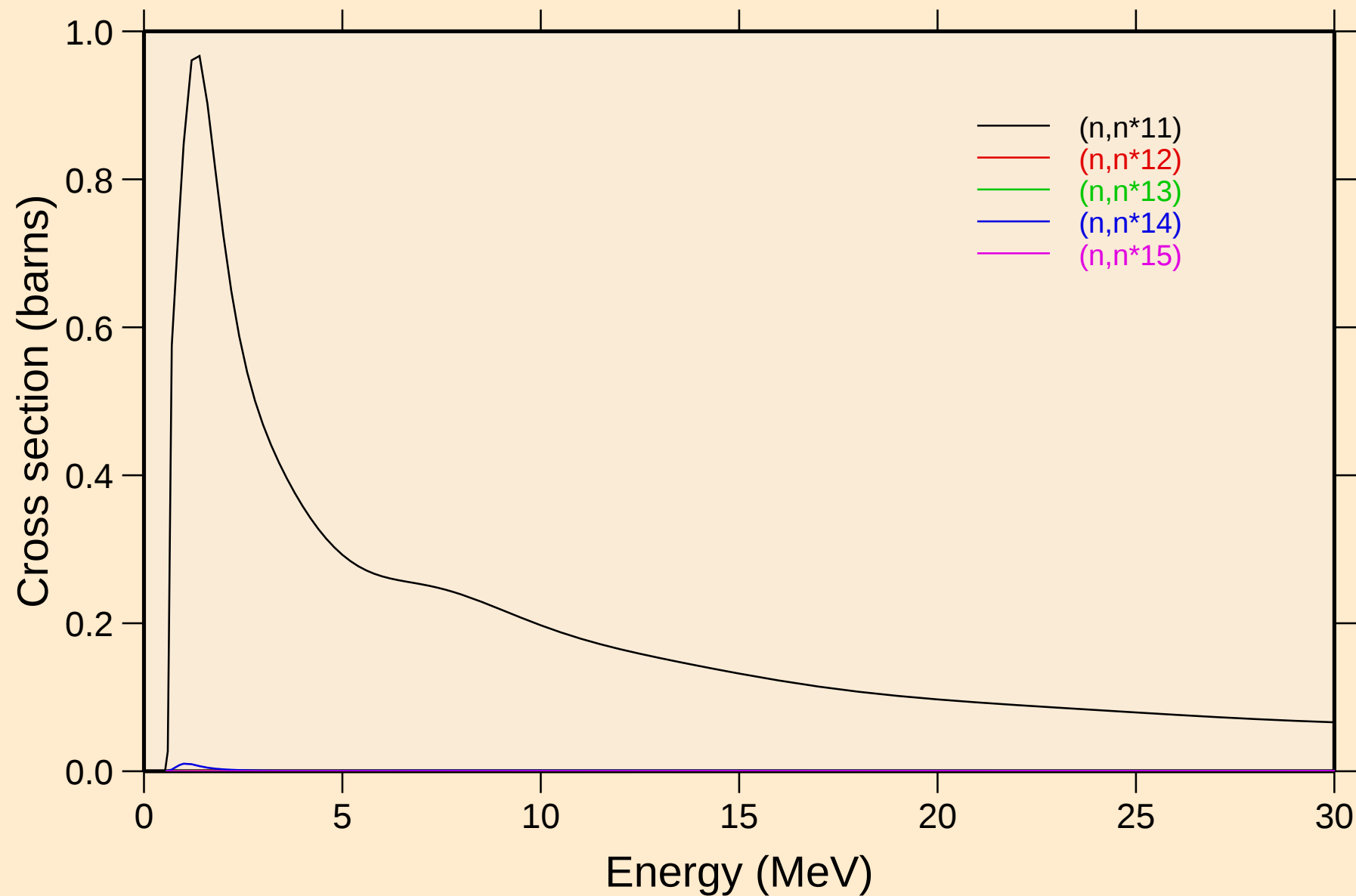
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

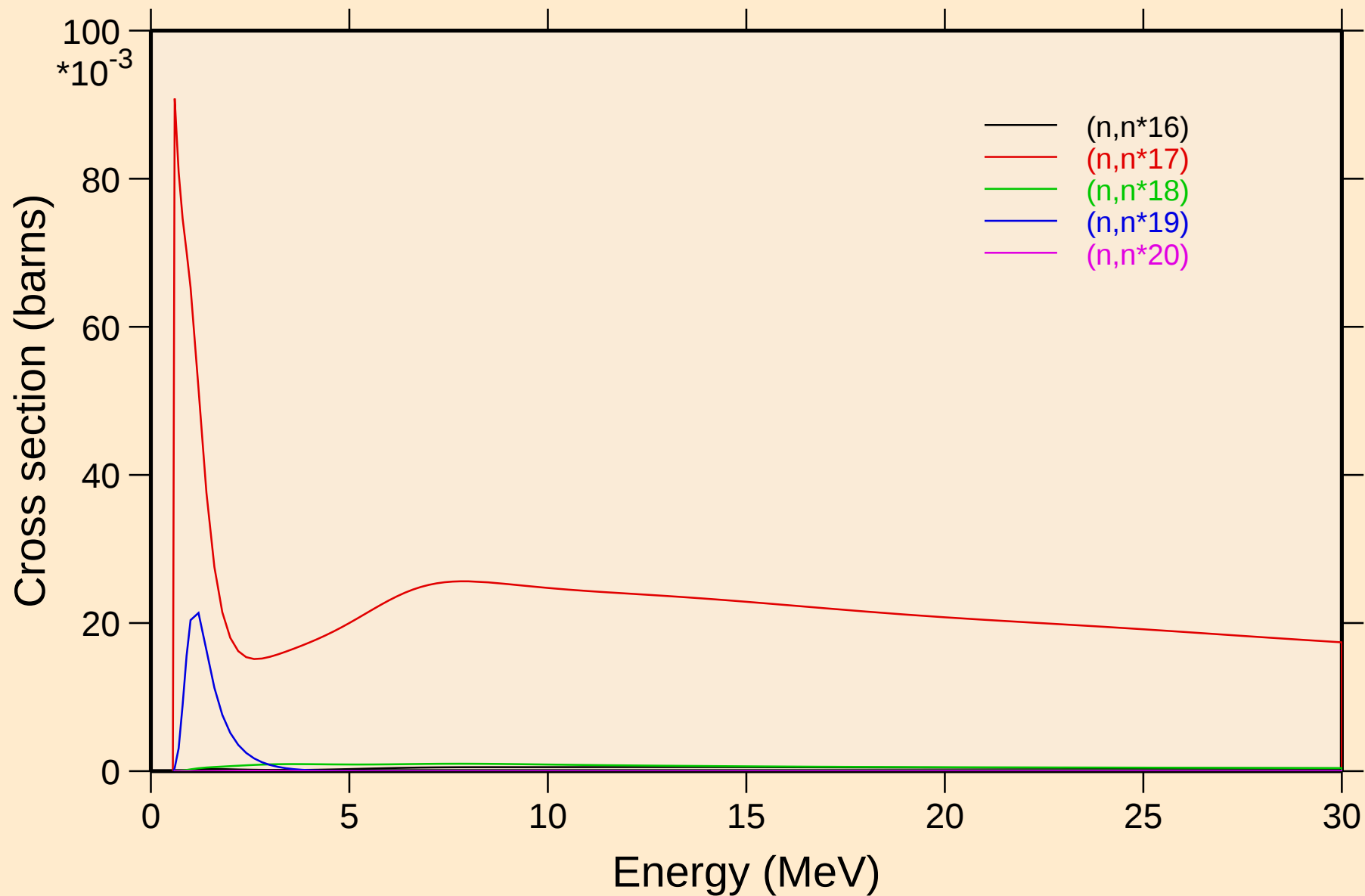


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

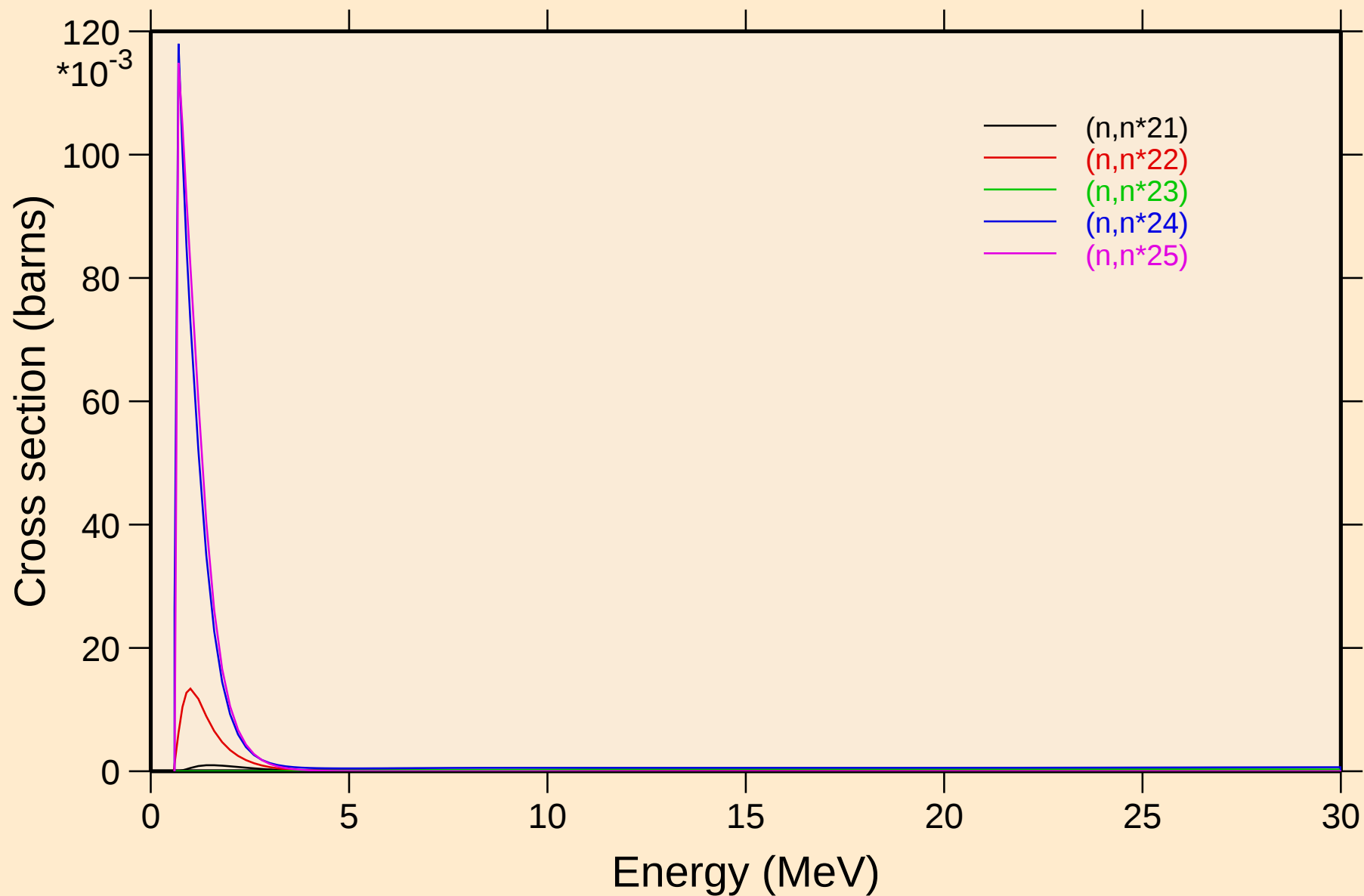


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



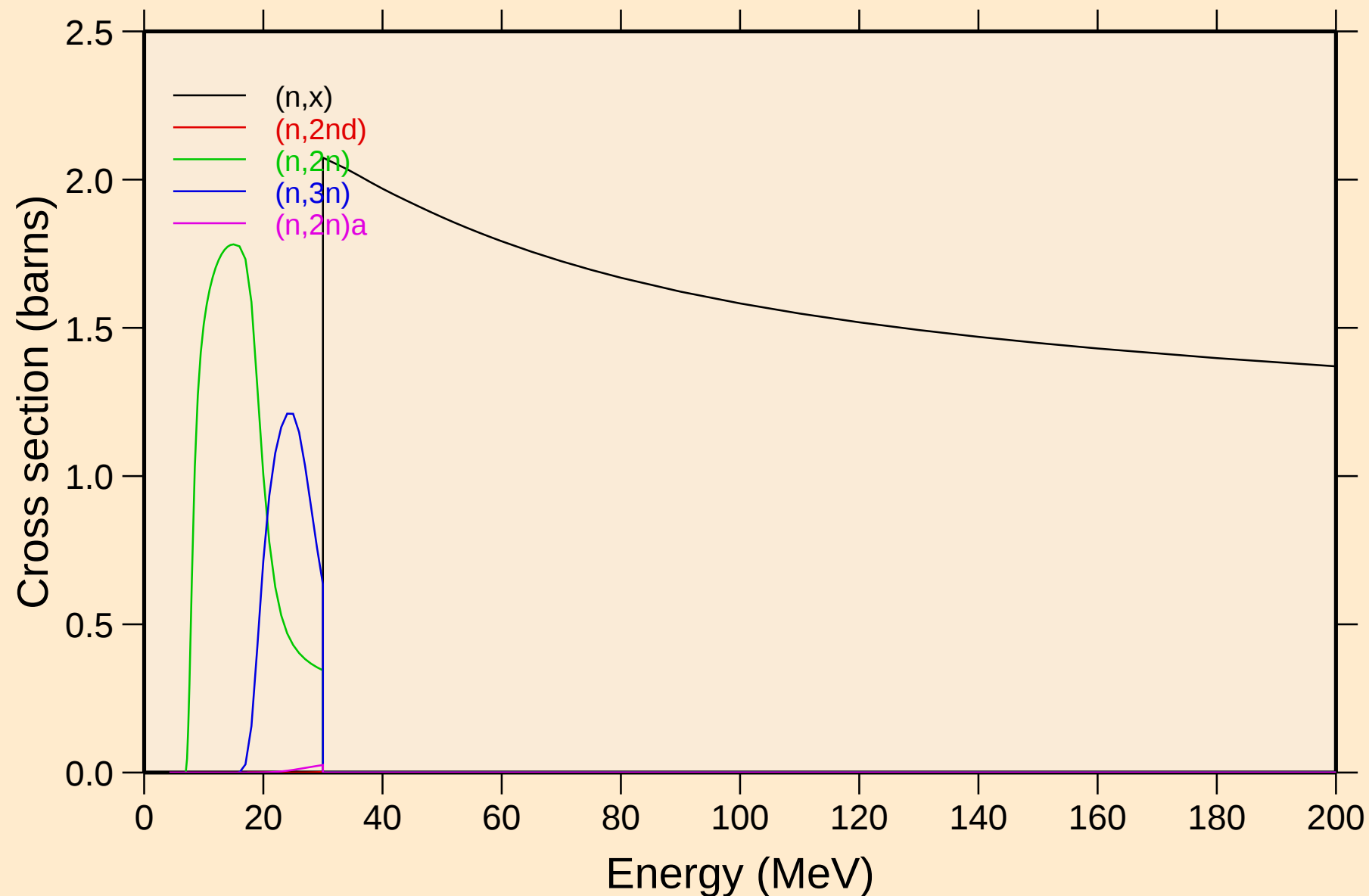
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Inelastic levels

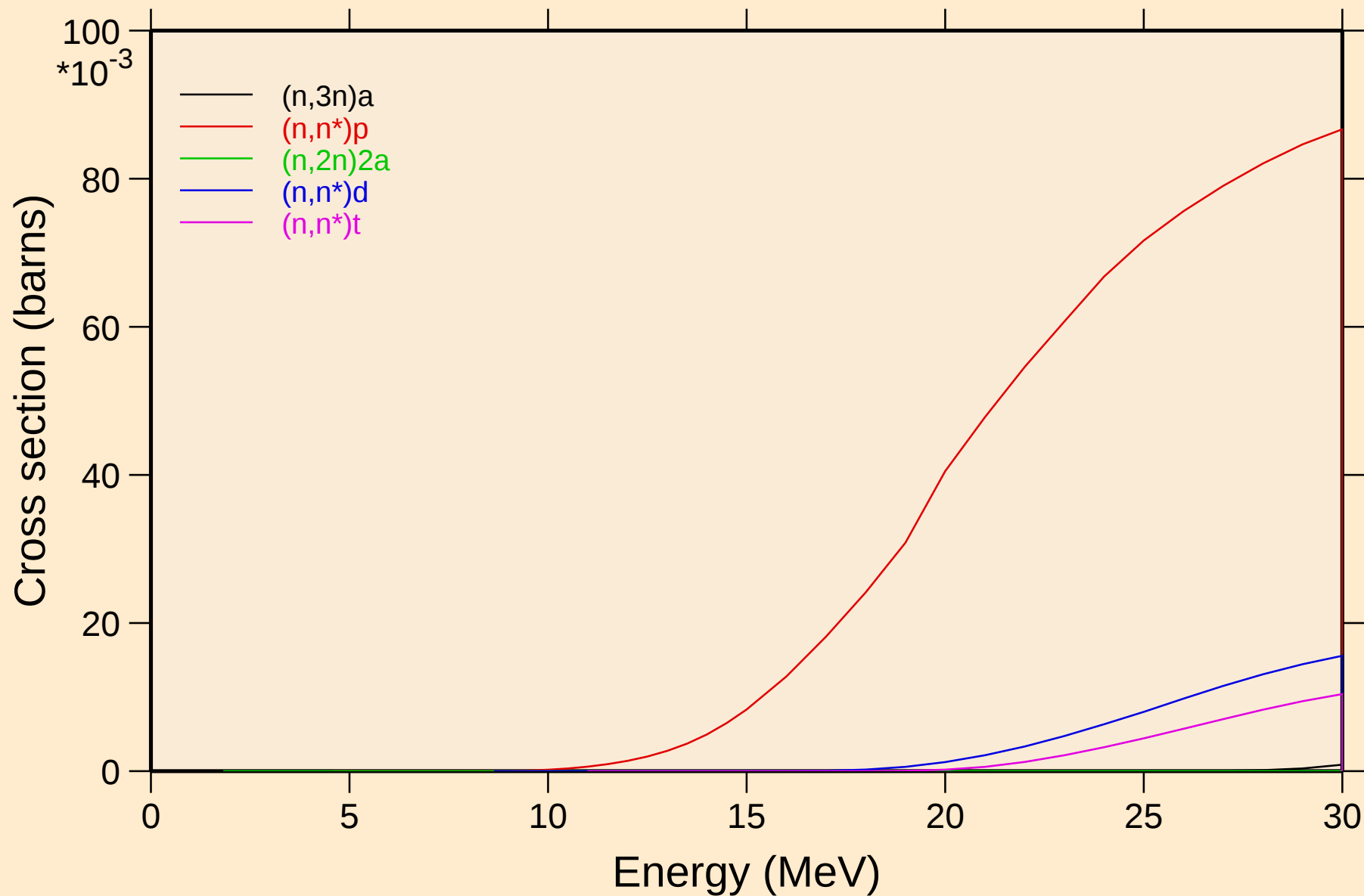


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

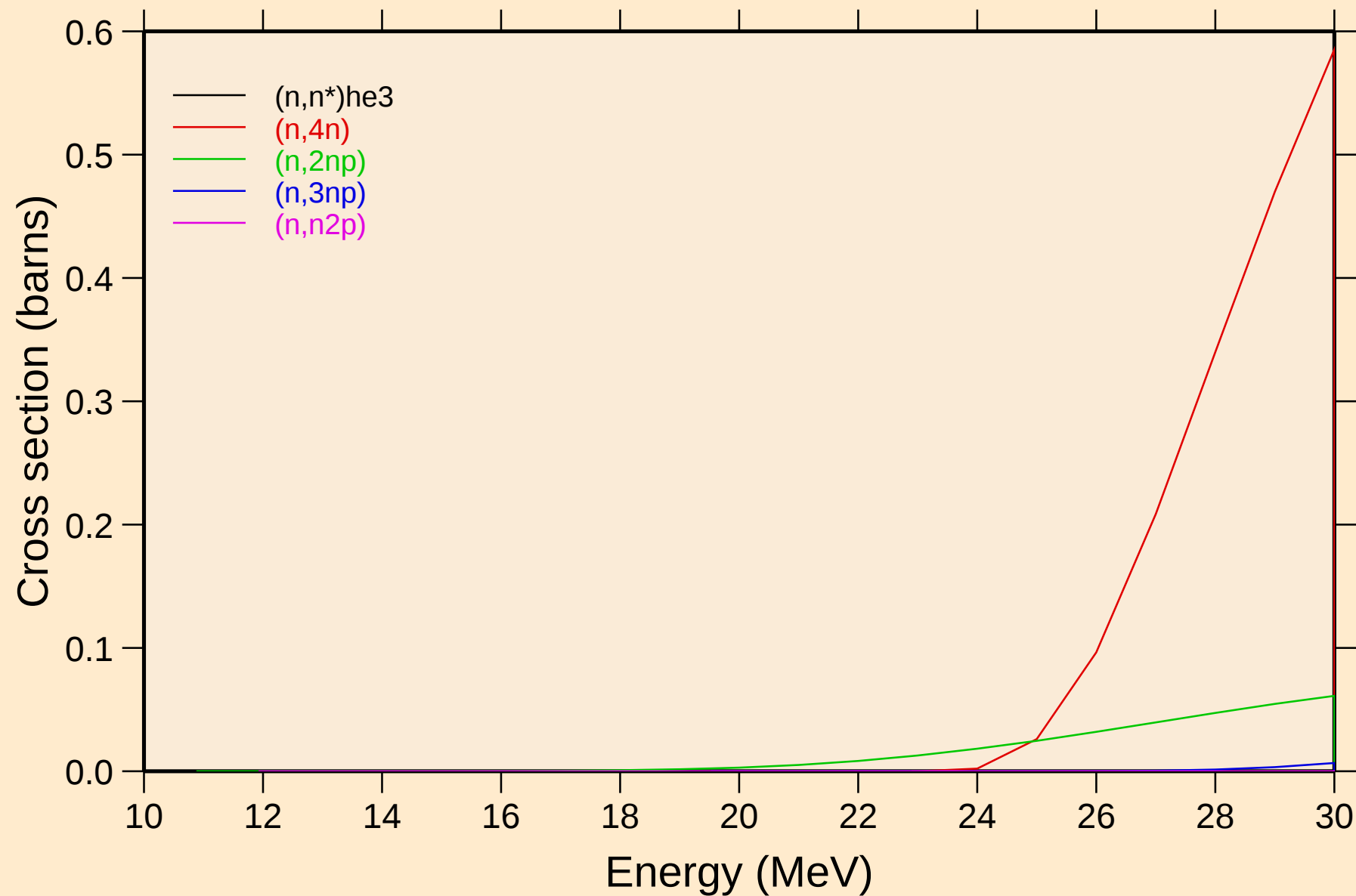
Threshold reactions



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

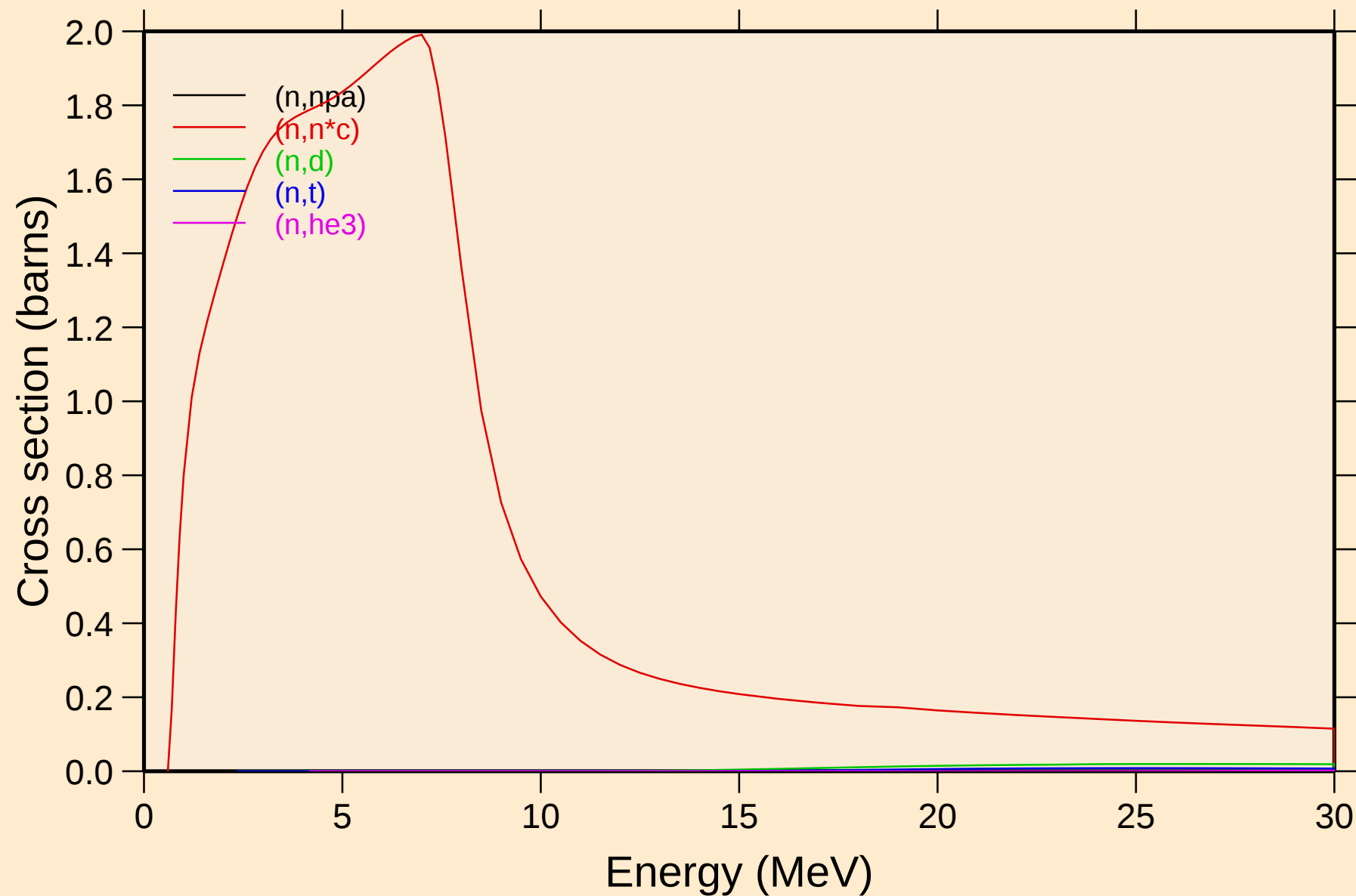


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



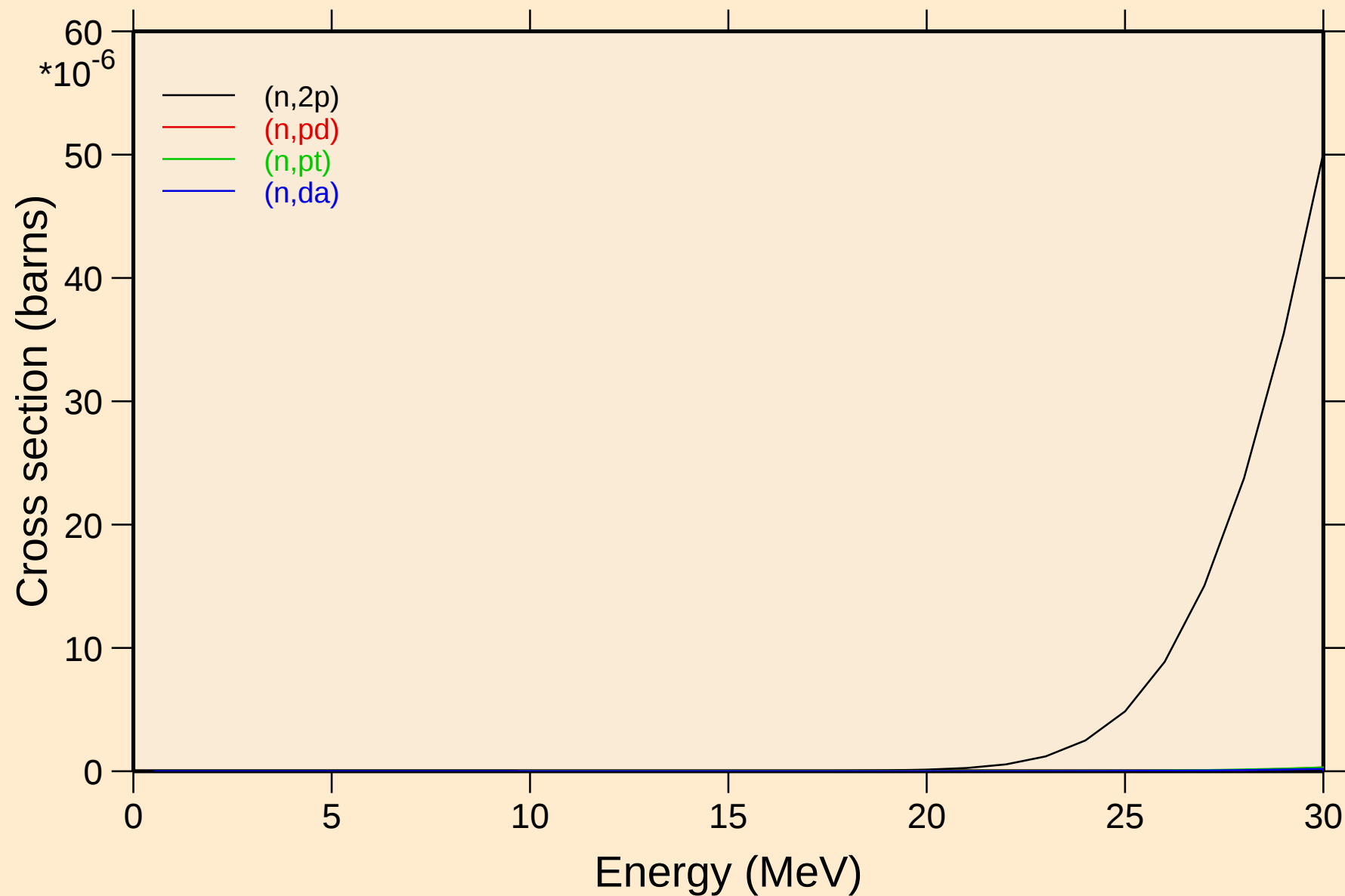
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

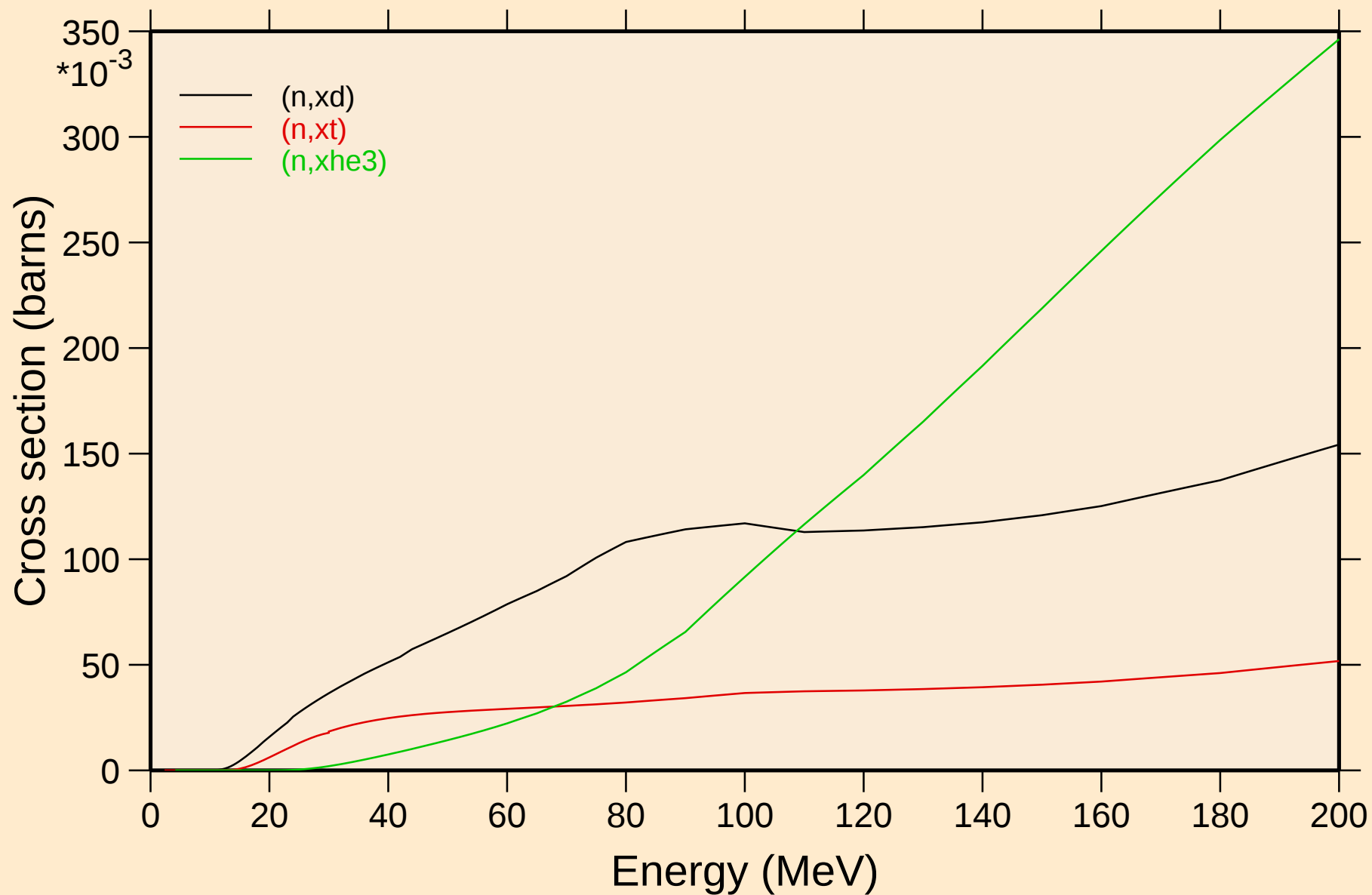


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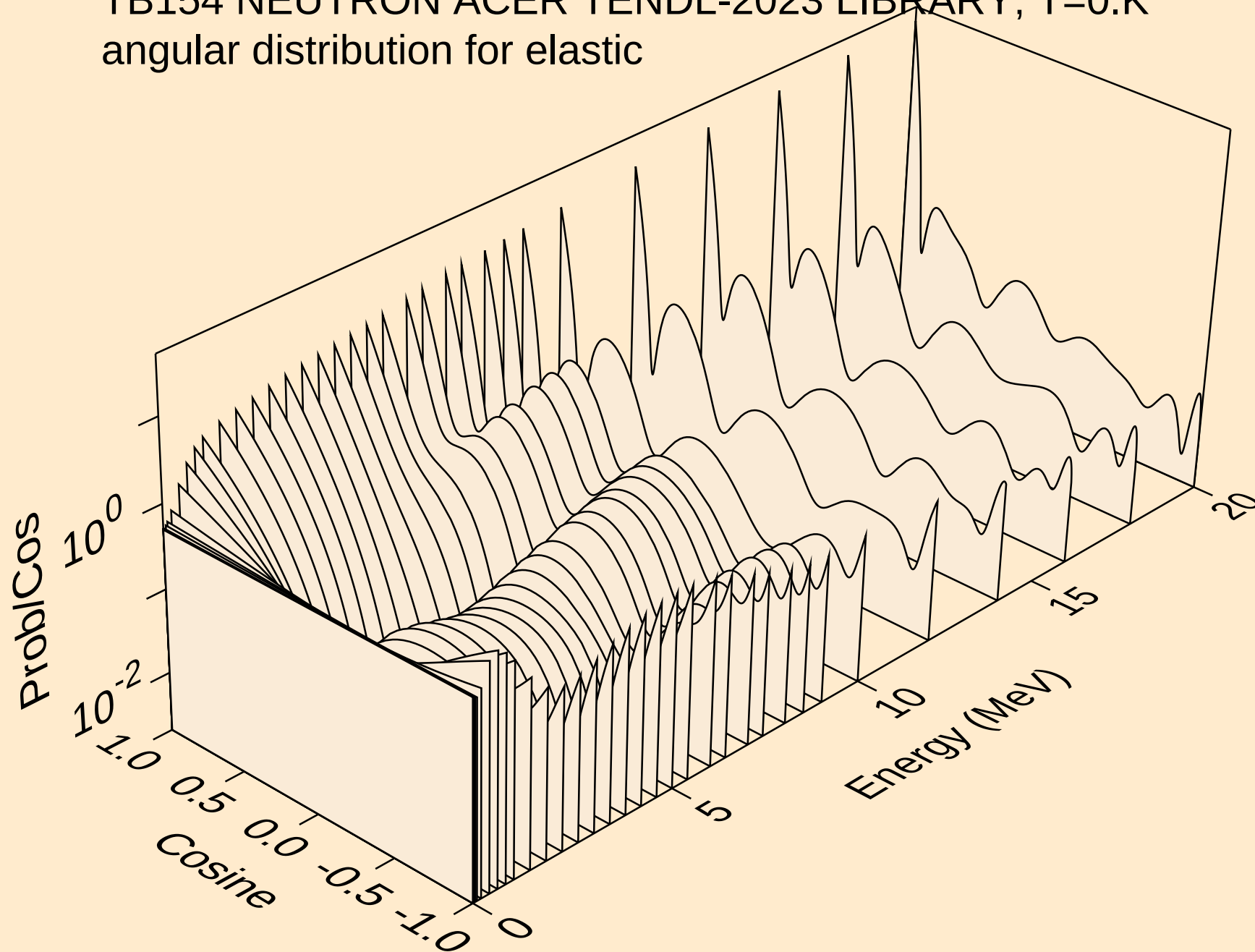
Threshold reactions



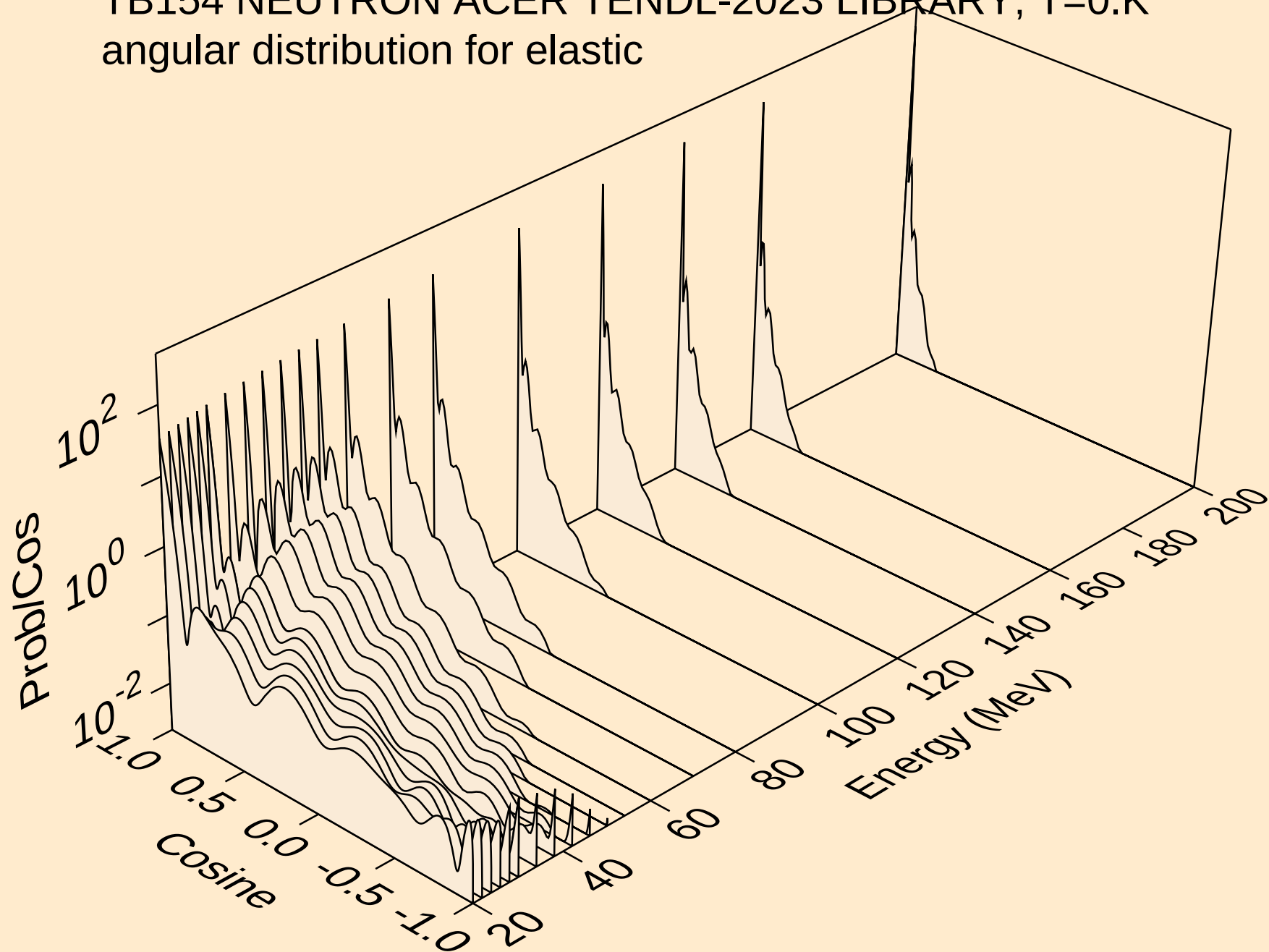
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



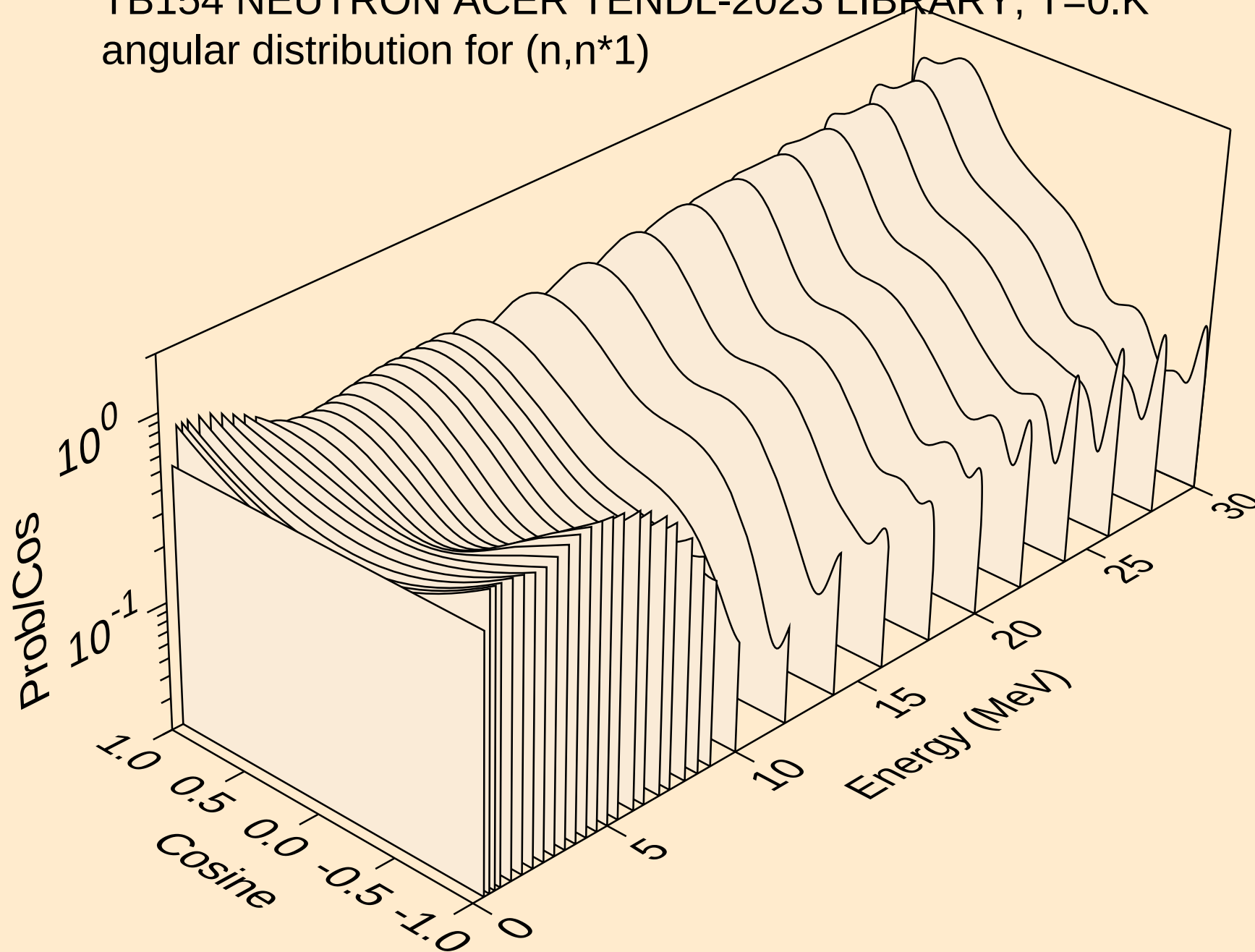
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



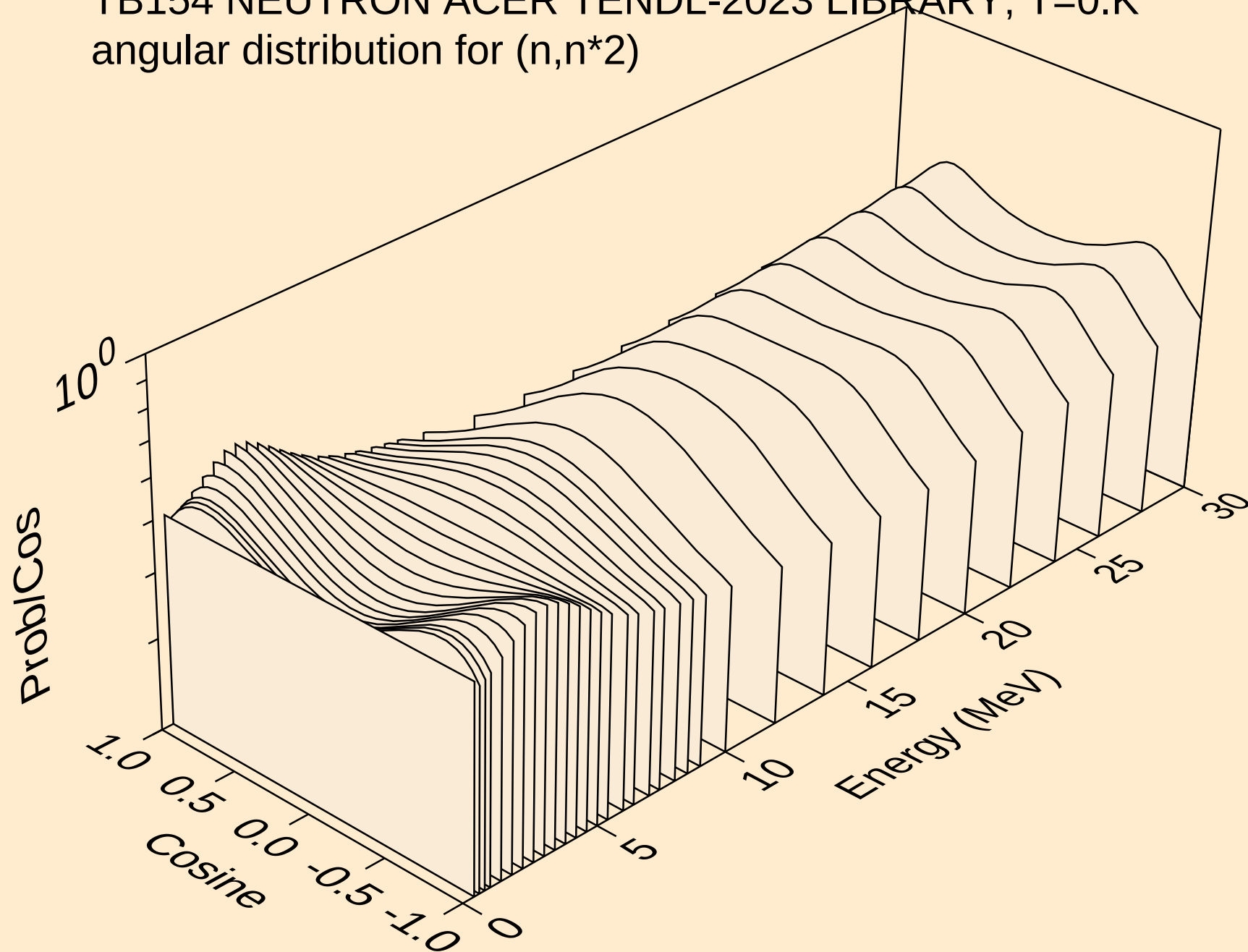
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



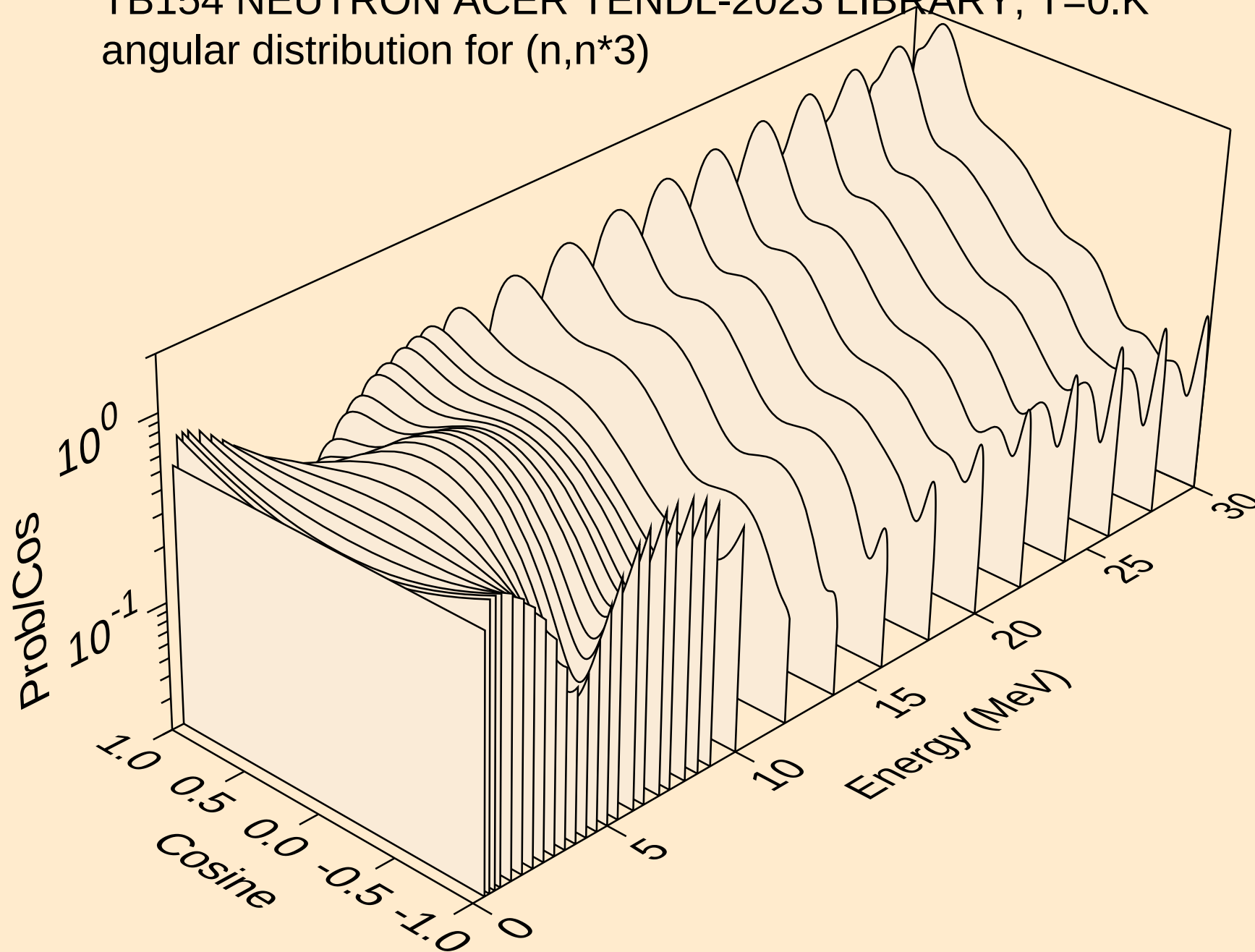
TB154 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
angular distribution for (n,n*1)



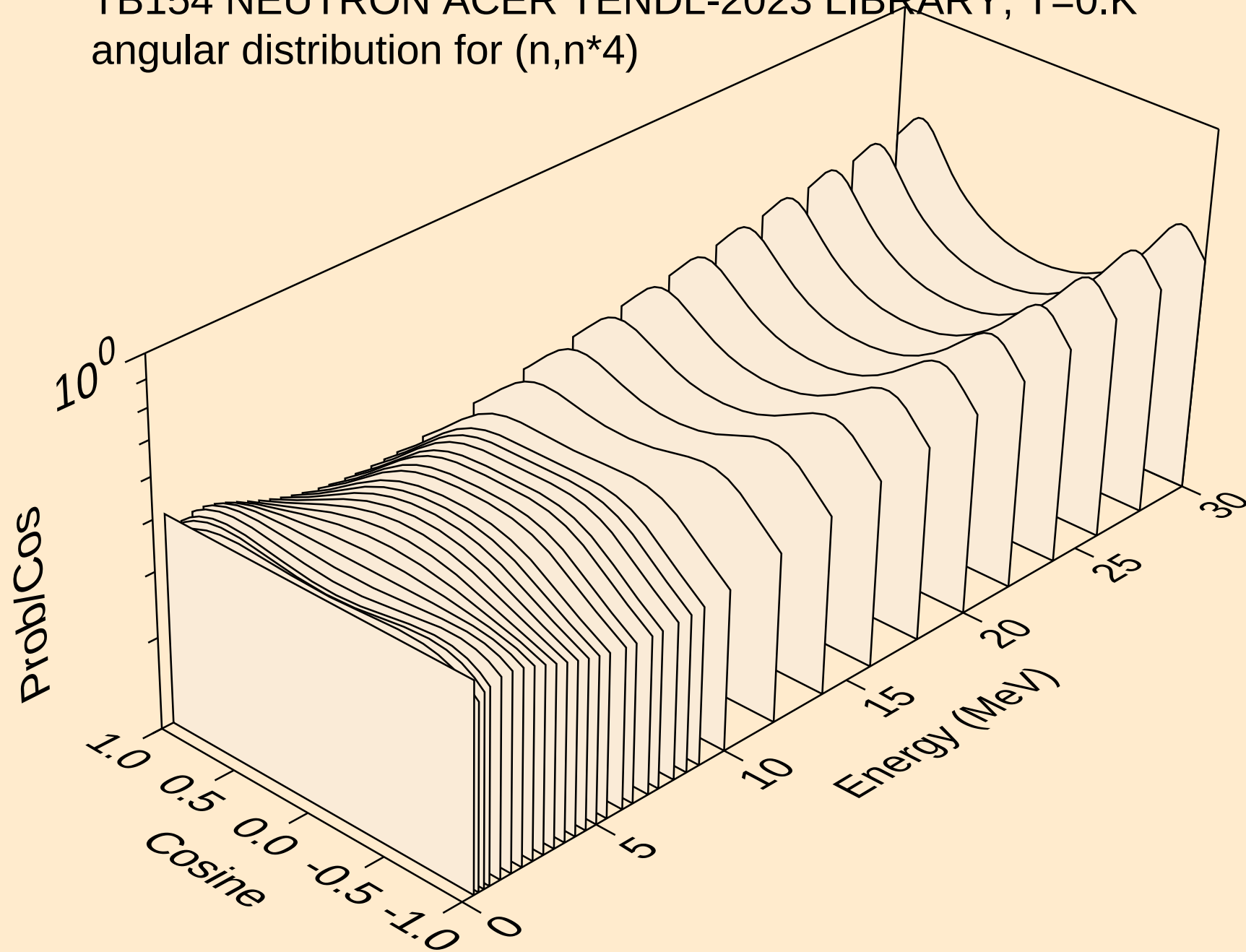
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



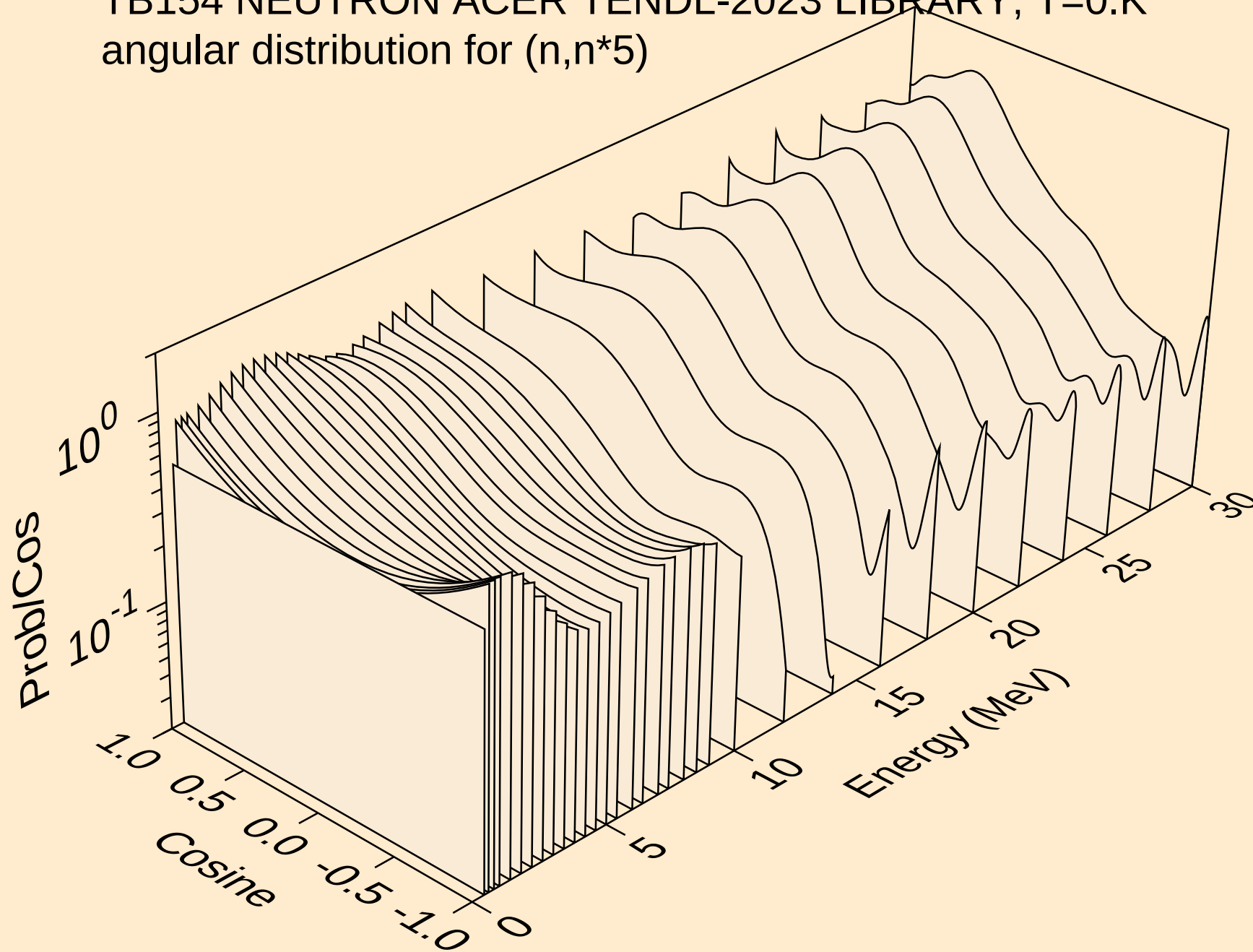
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



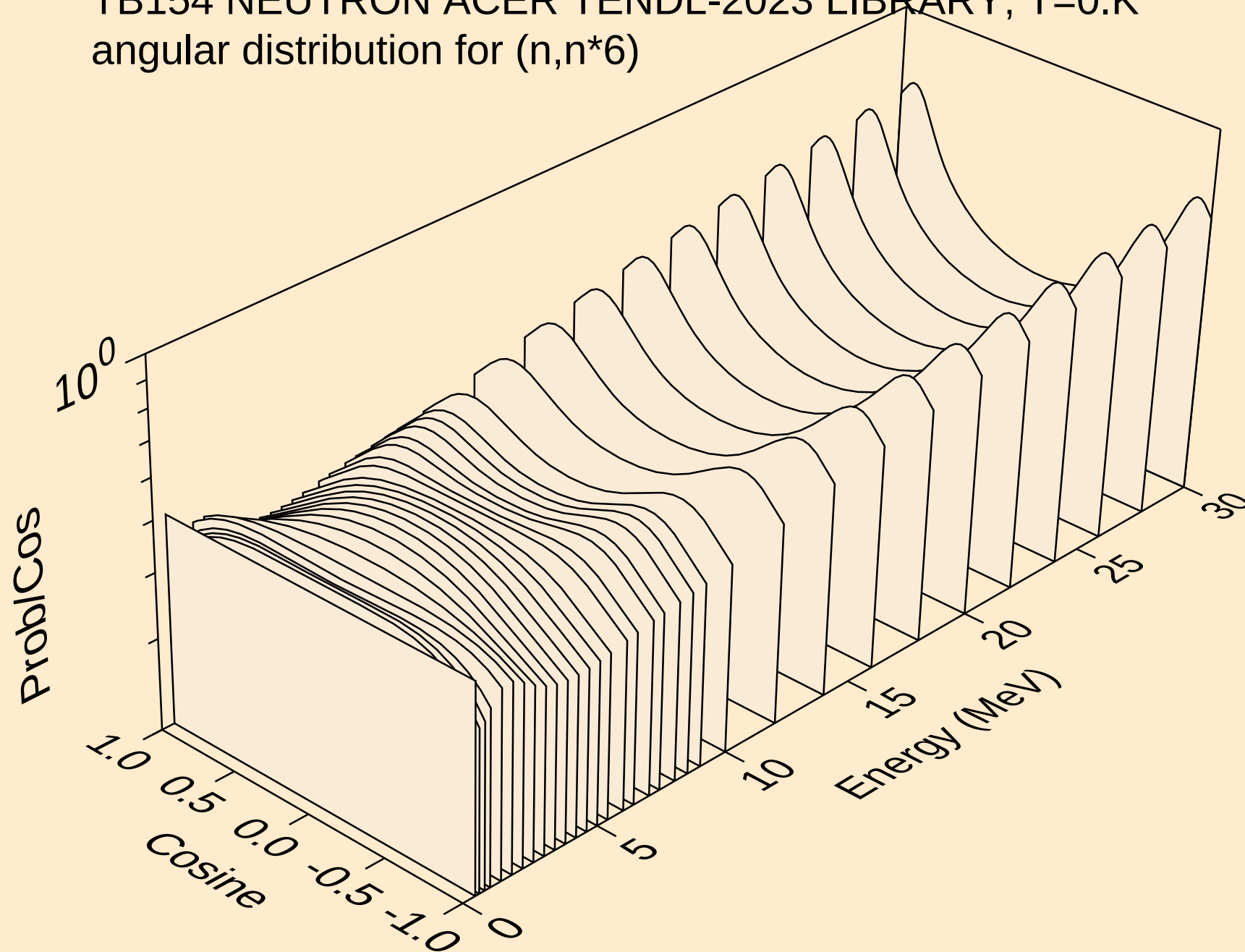
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



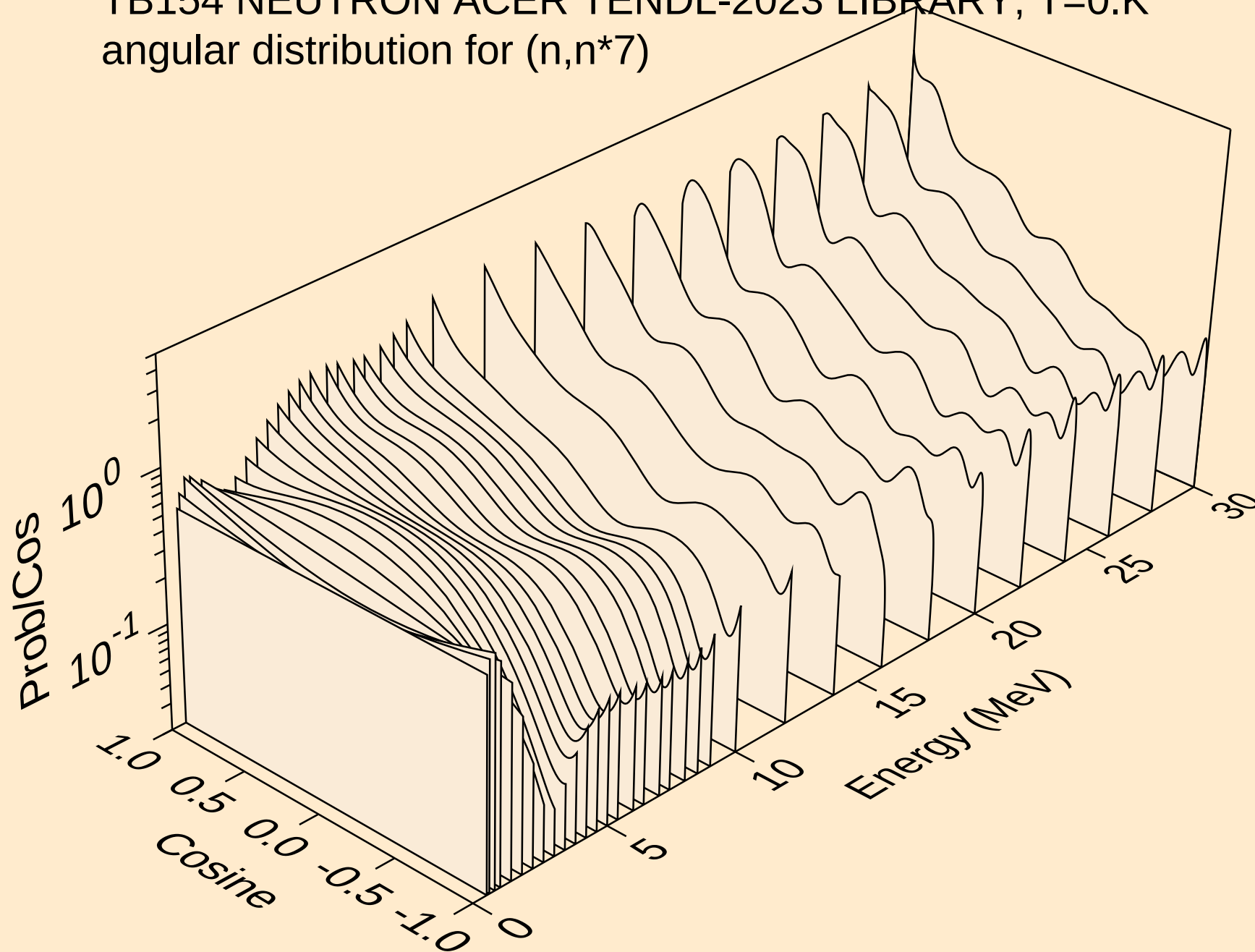
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



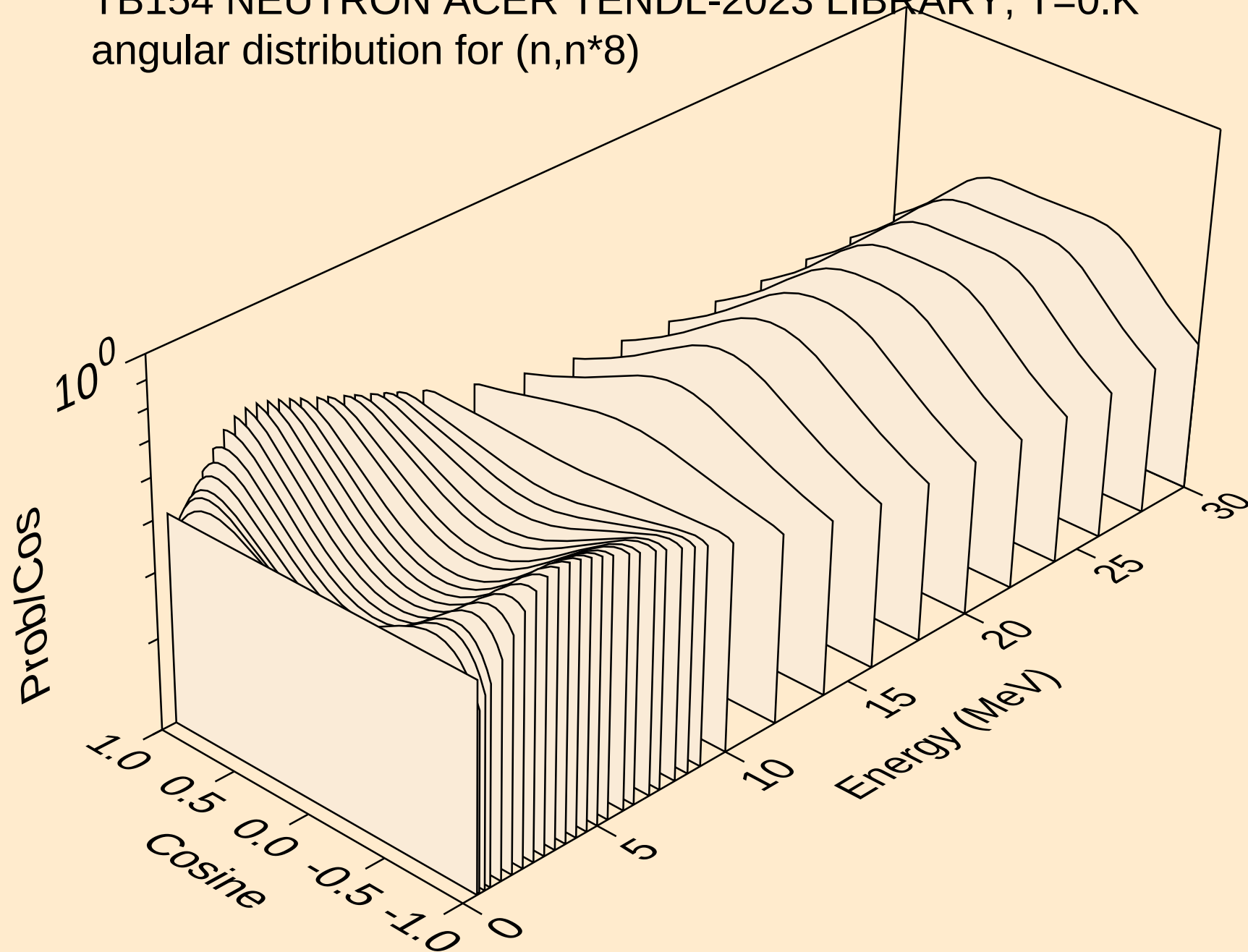
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angular distribution for (n,n*6)



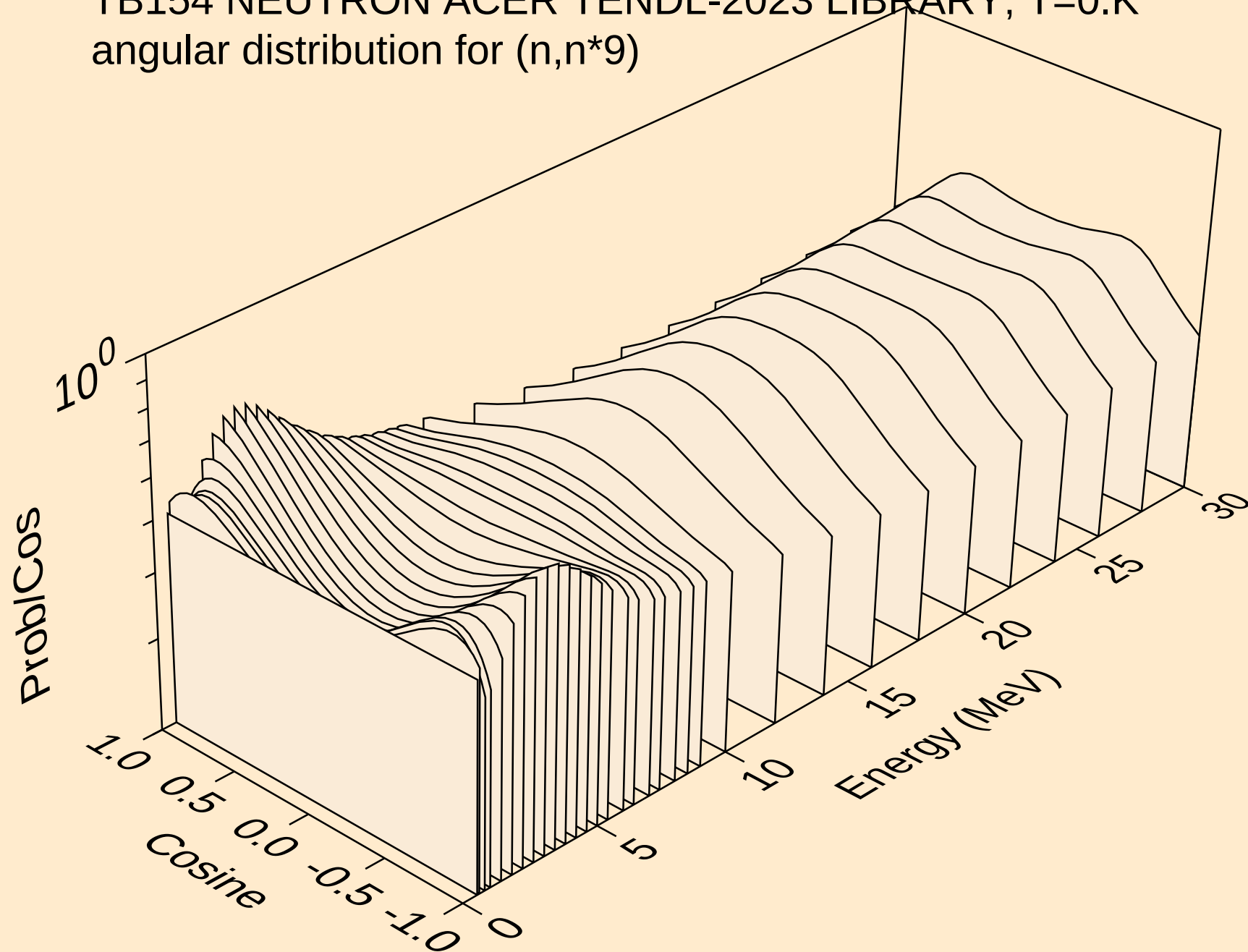
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angular distribution for (n,n*7)



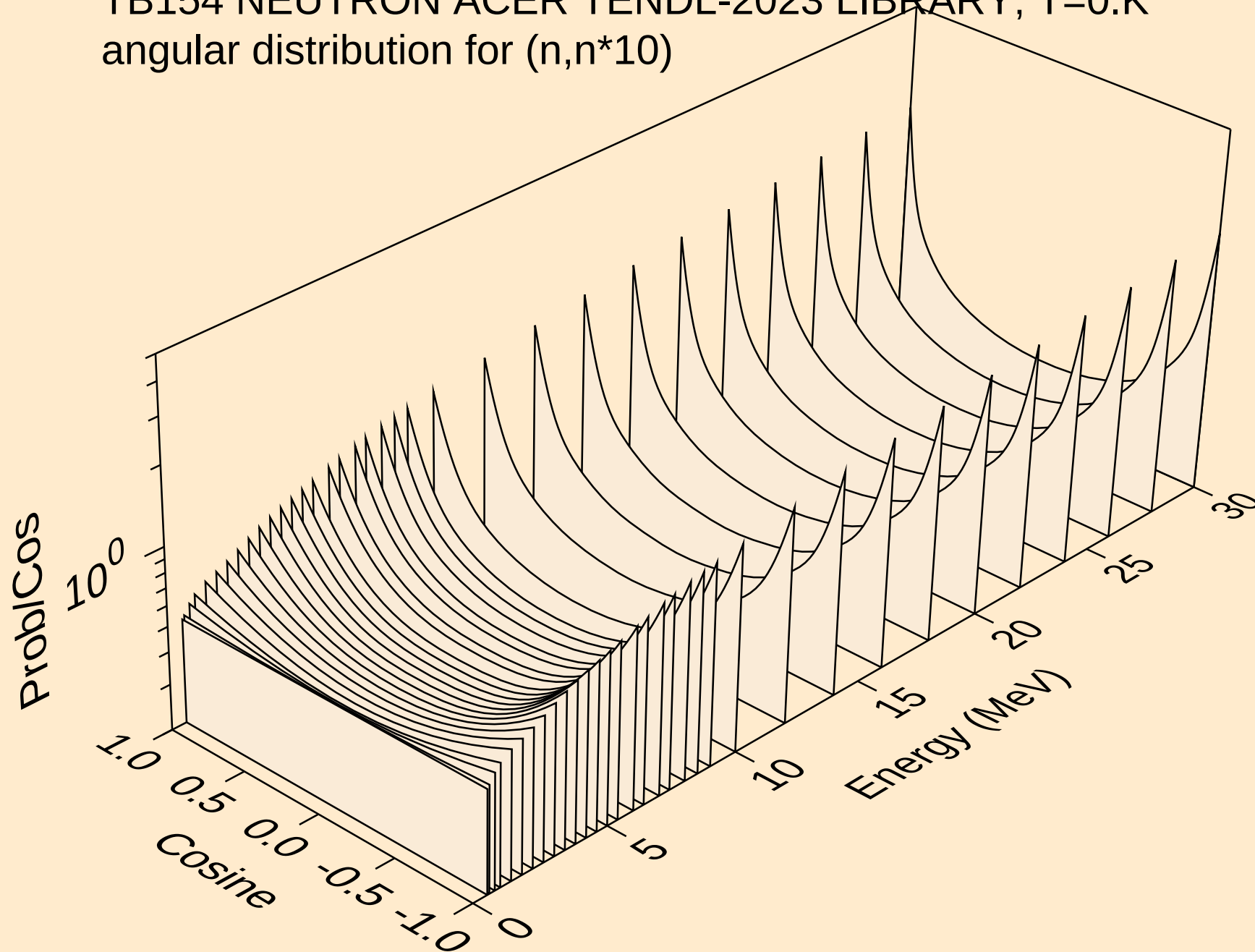
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



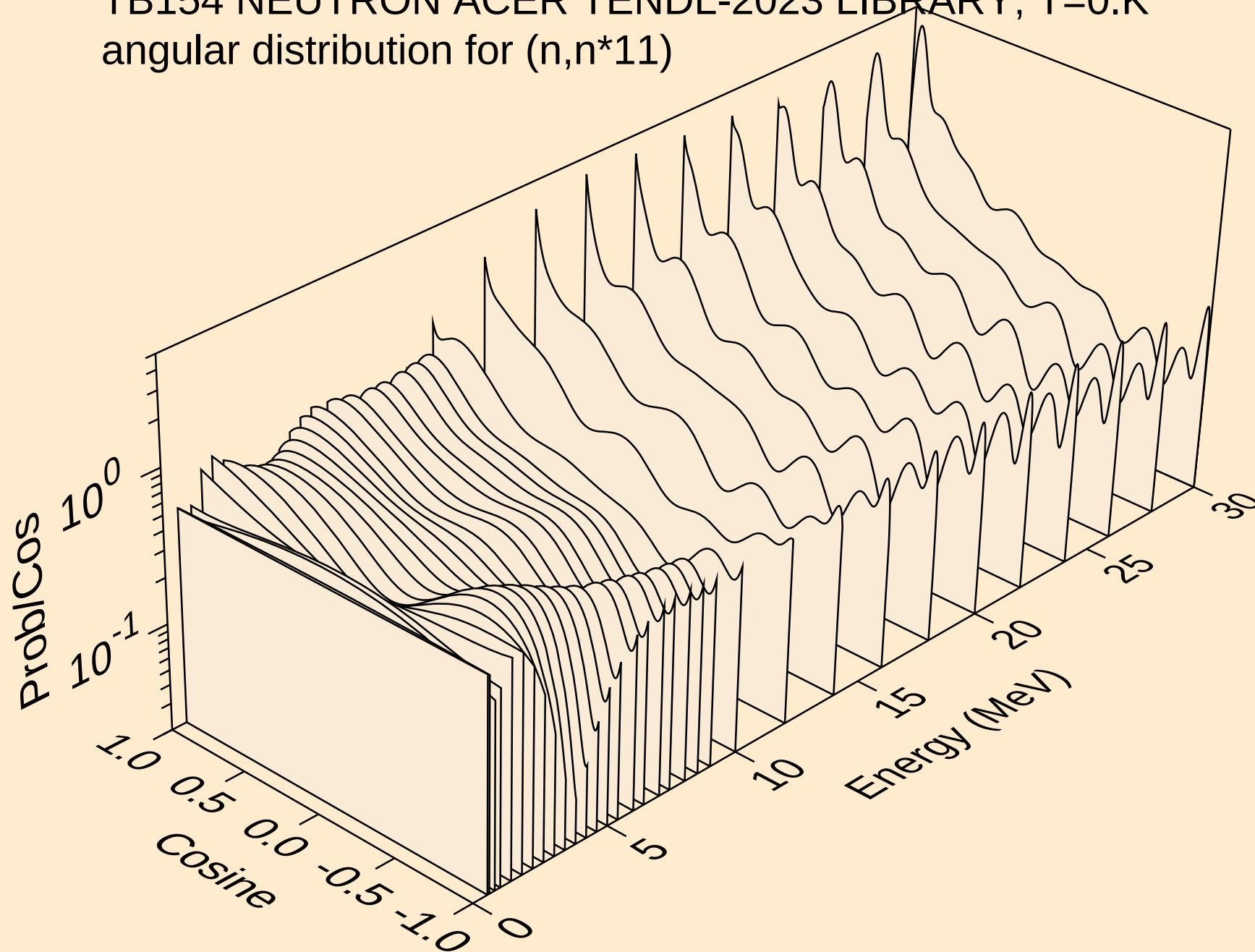
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angular distribution for (n,n*9)



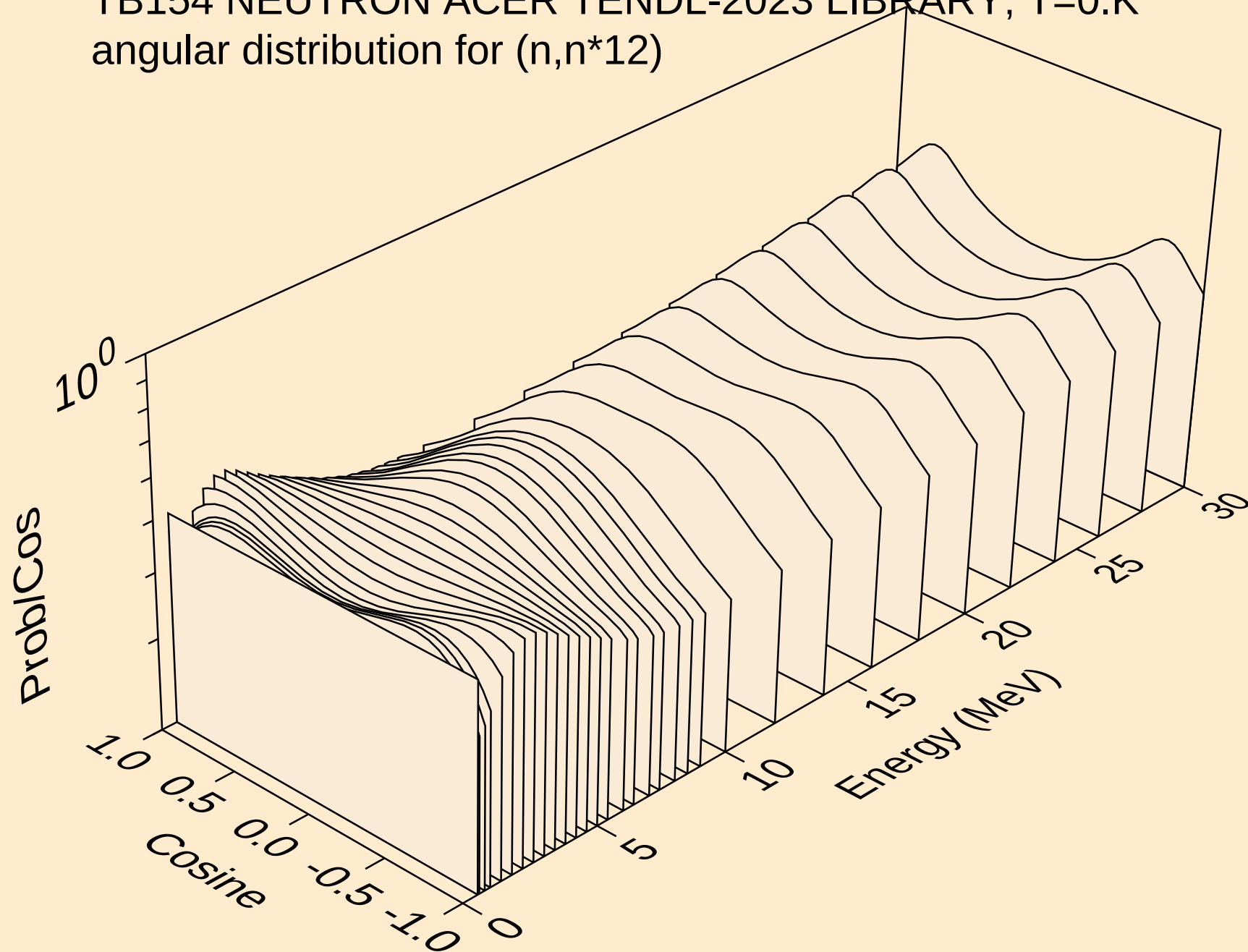
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



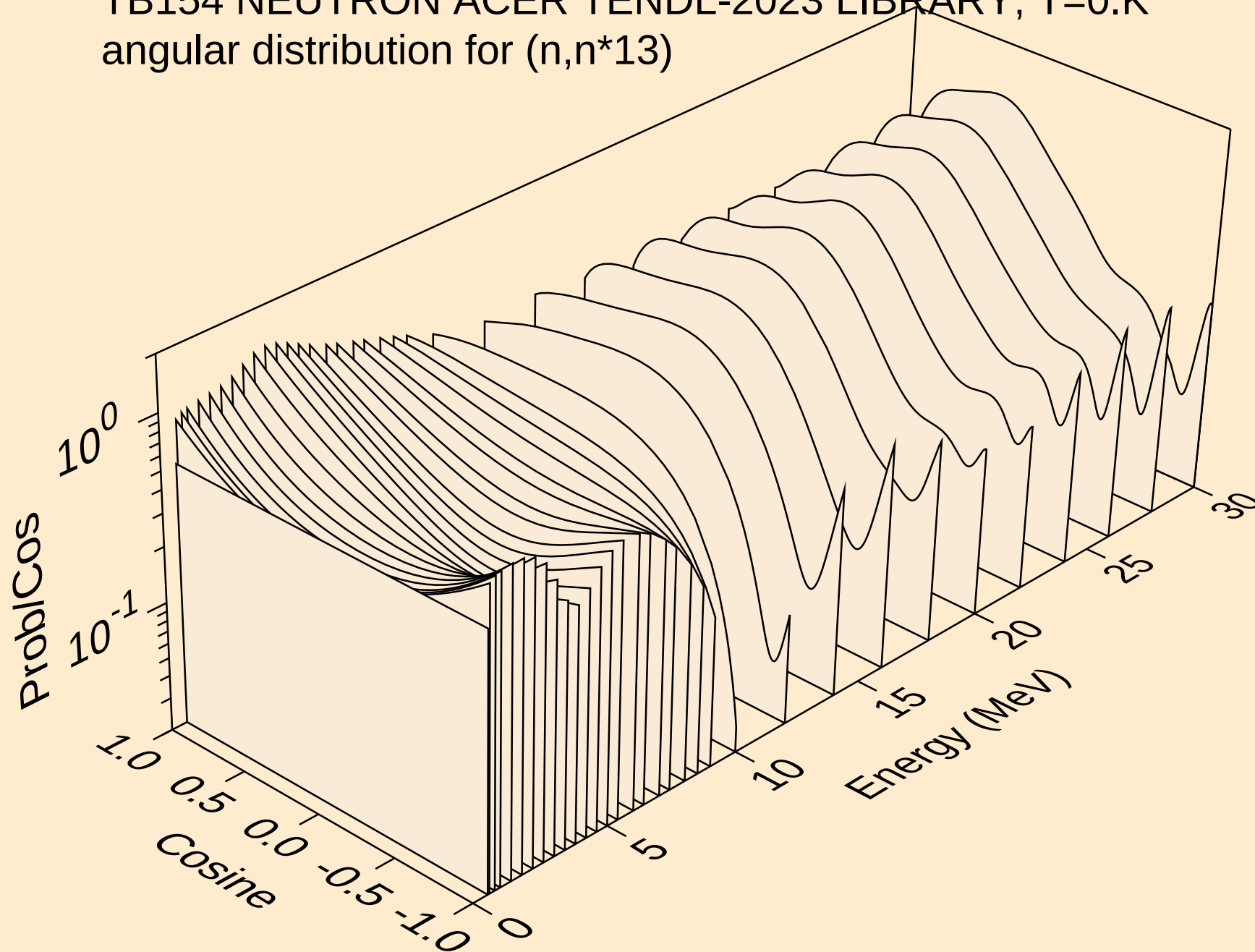
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angular distribution for (n,n*11)



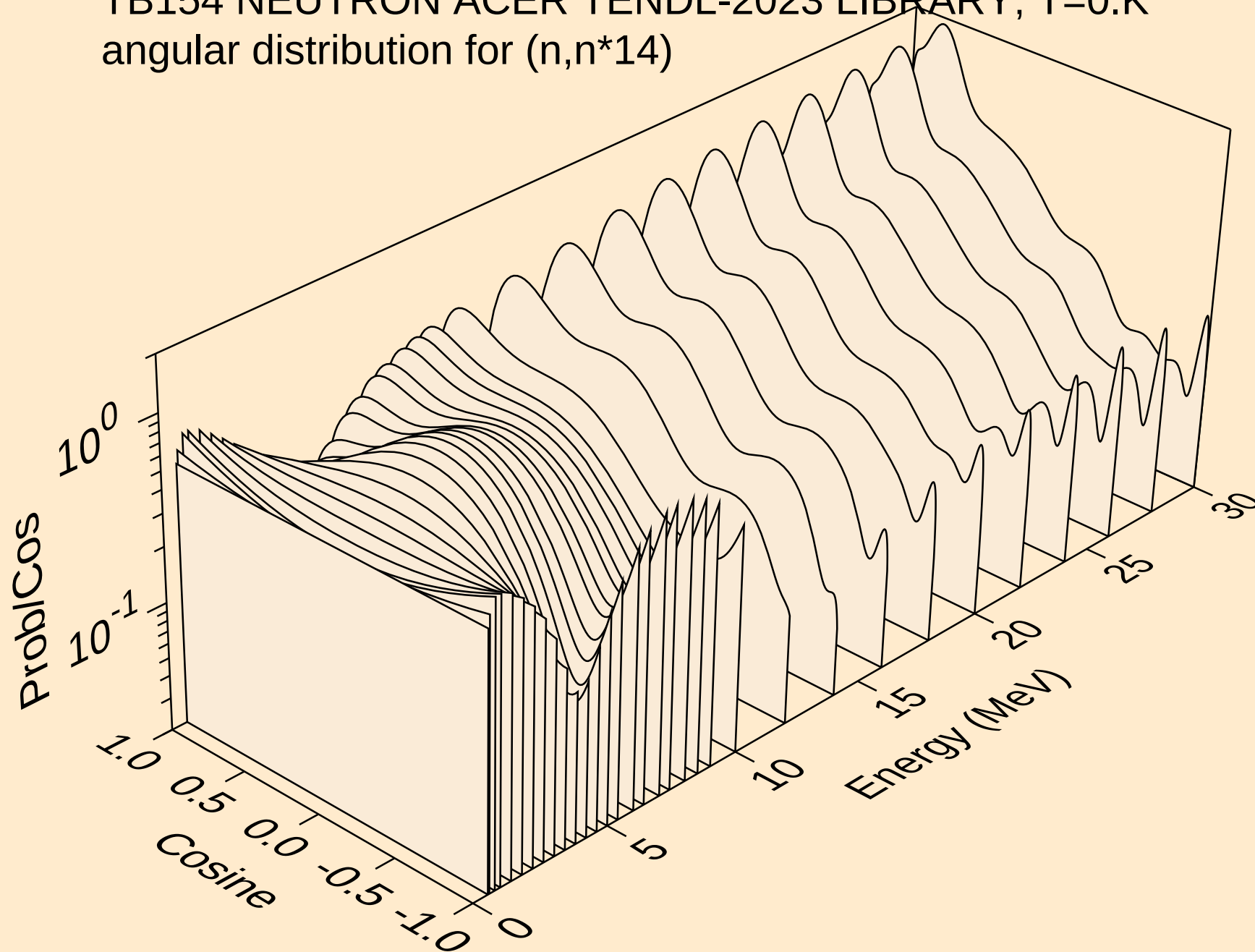
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angular distribution for (n,n*12)



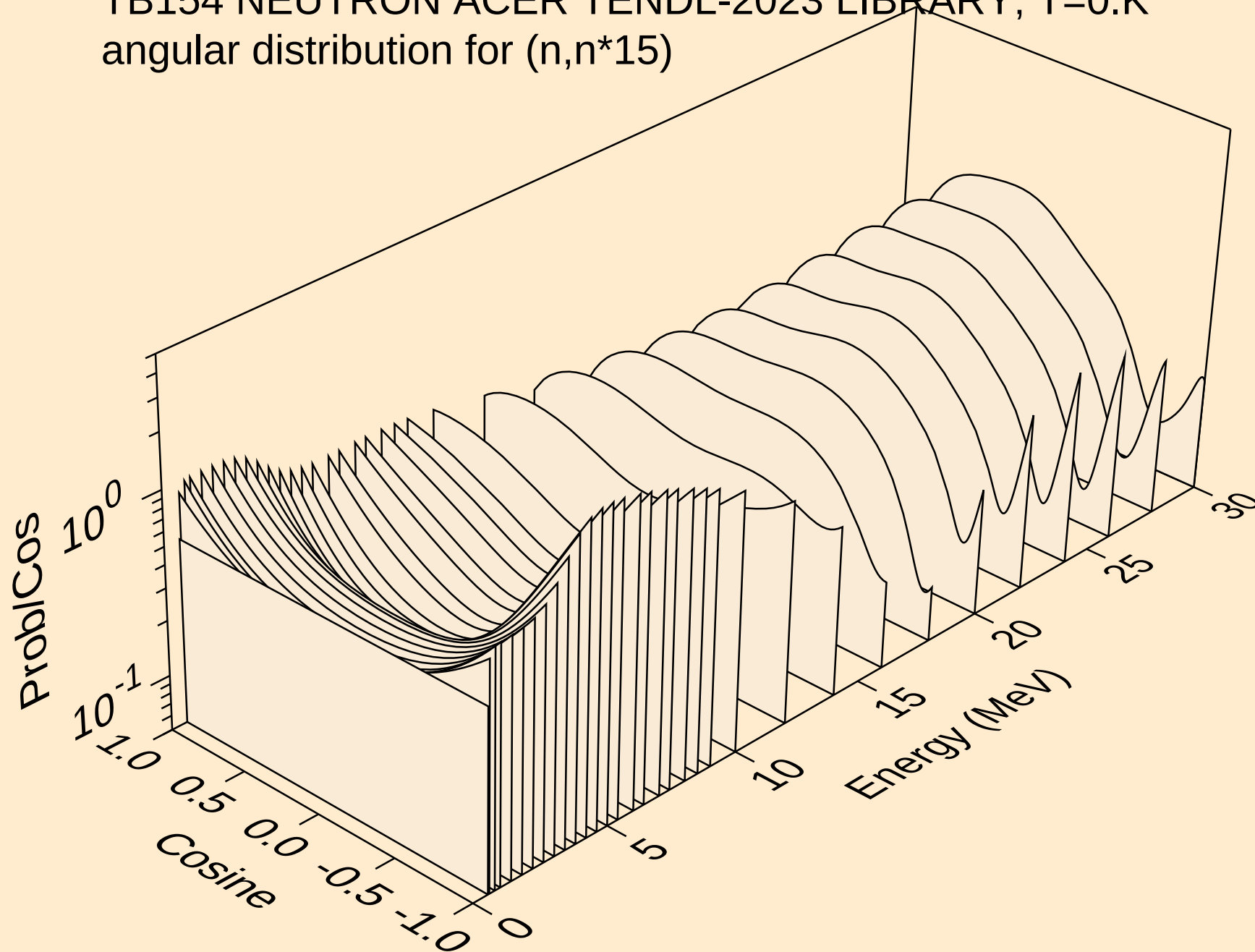
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angular distribution for (n,n*13)



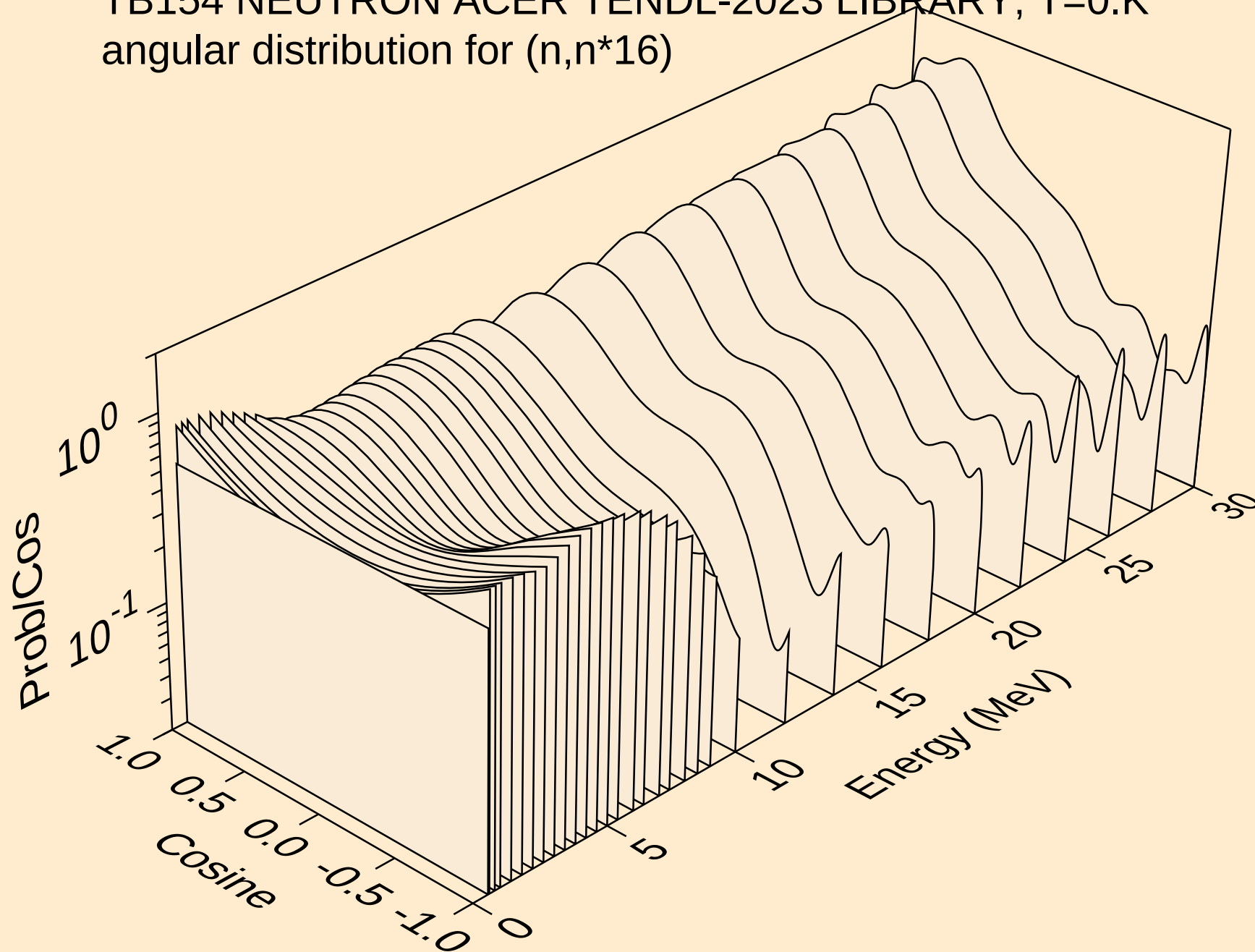
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angular distribution for (n,n*14)



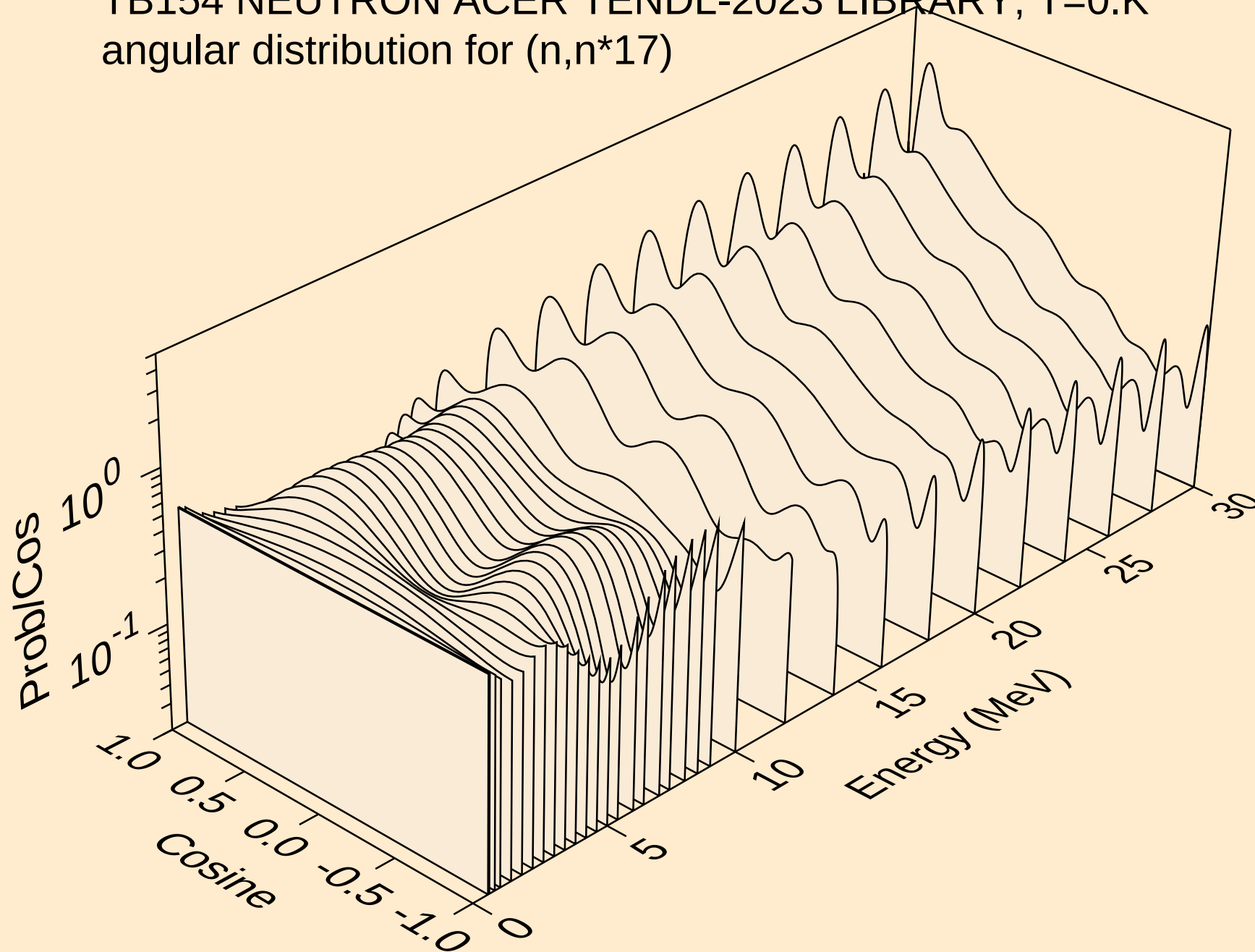
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angular distribution for (n,n*15)



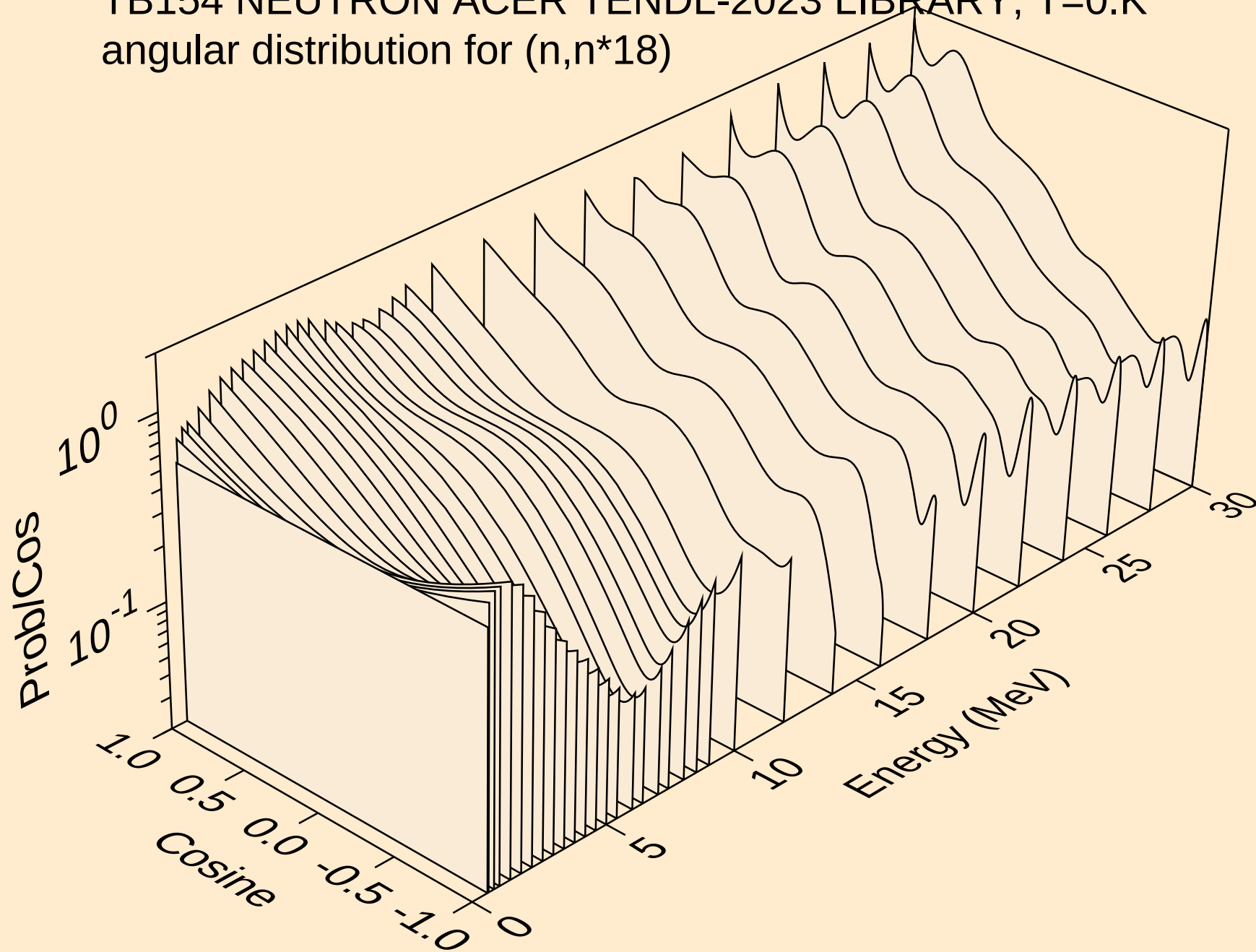
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angular distribution for (n,n*16)



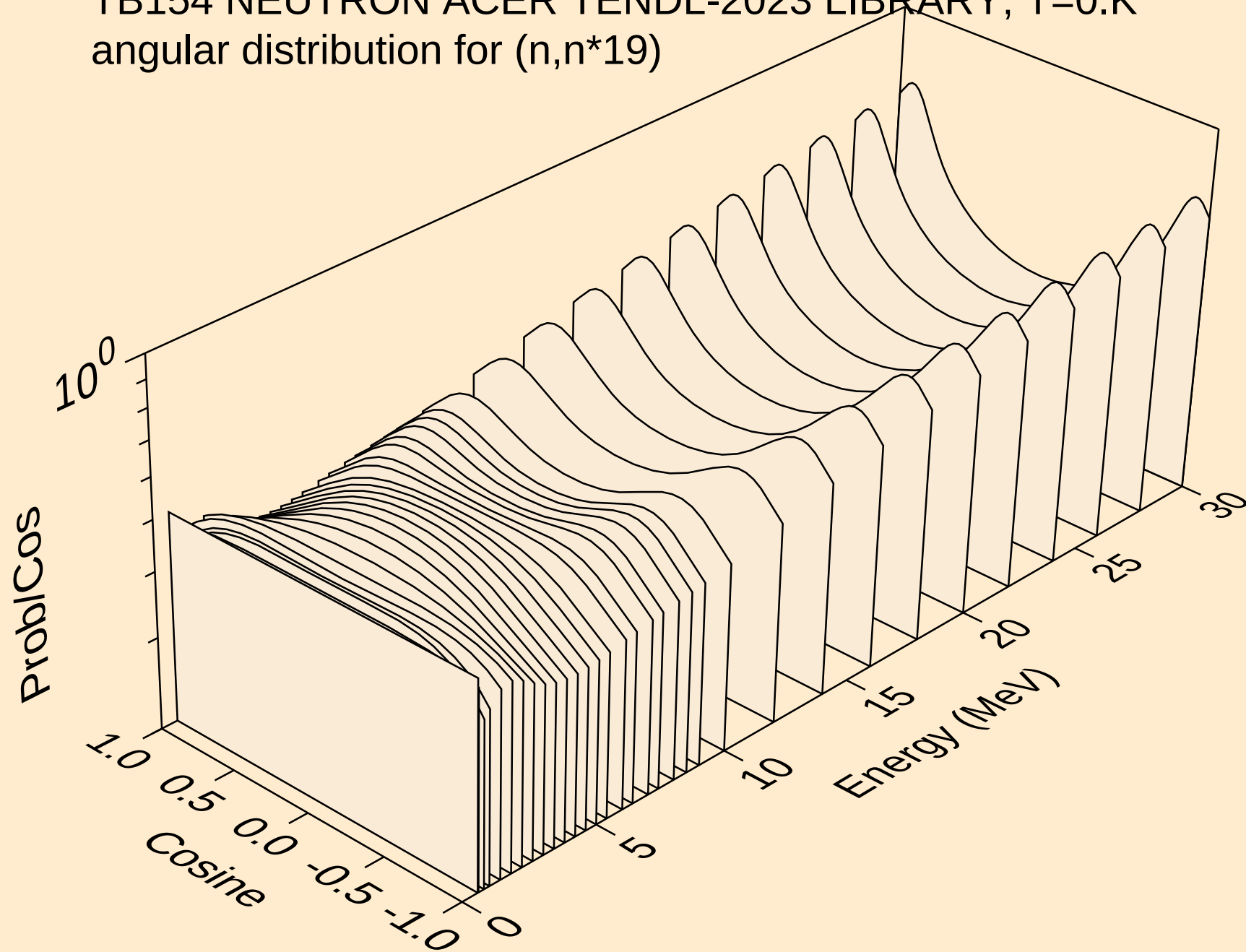
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angular distribution for (n,n*17)



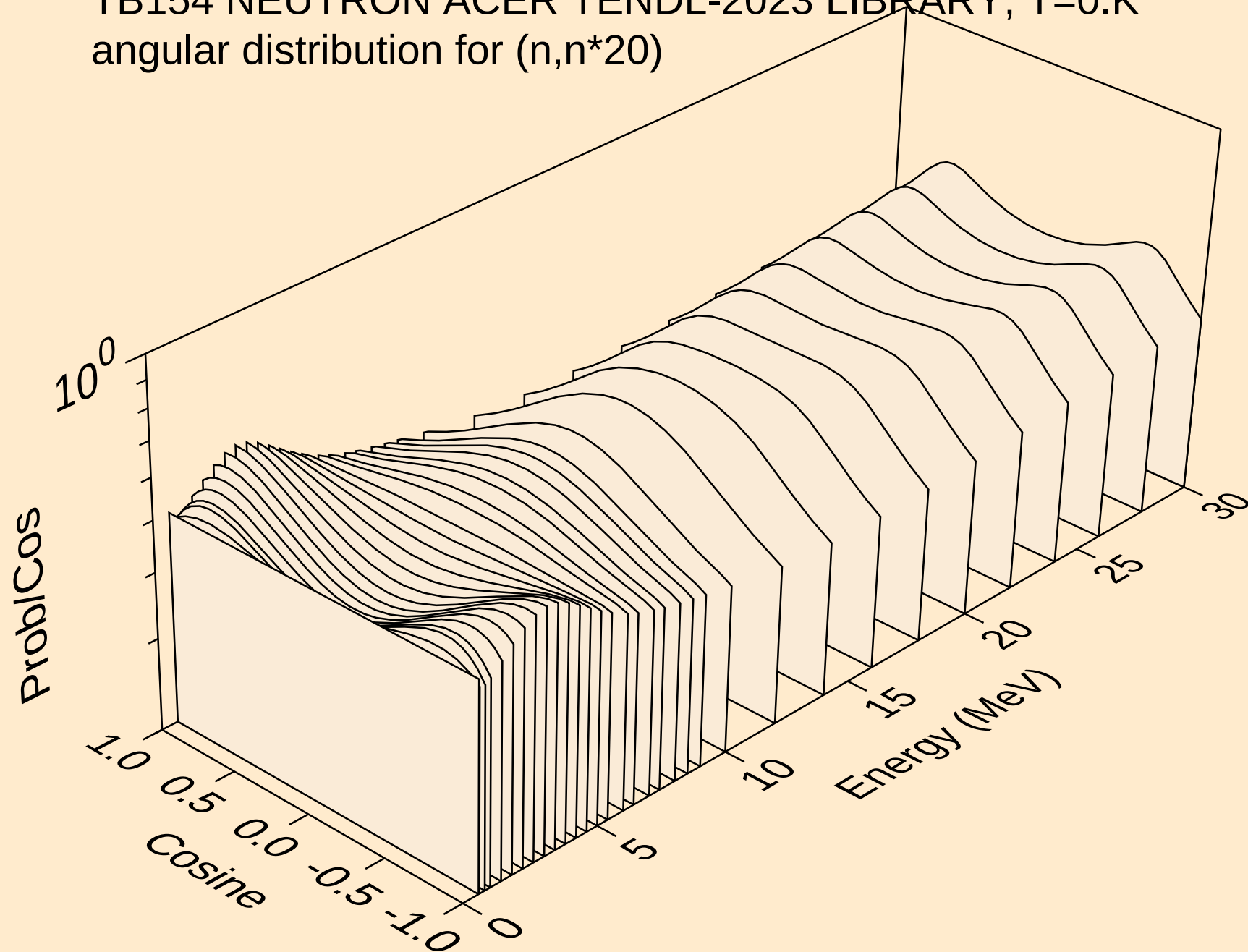
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angular distribution for (n,n*18)



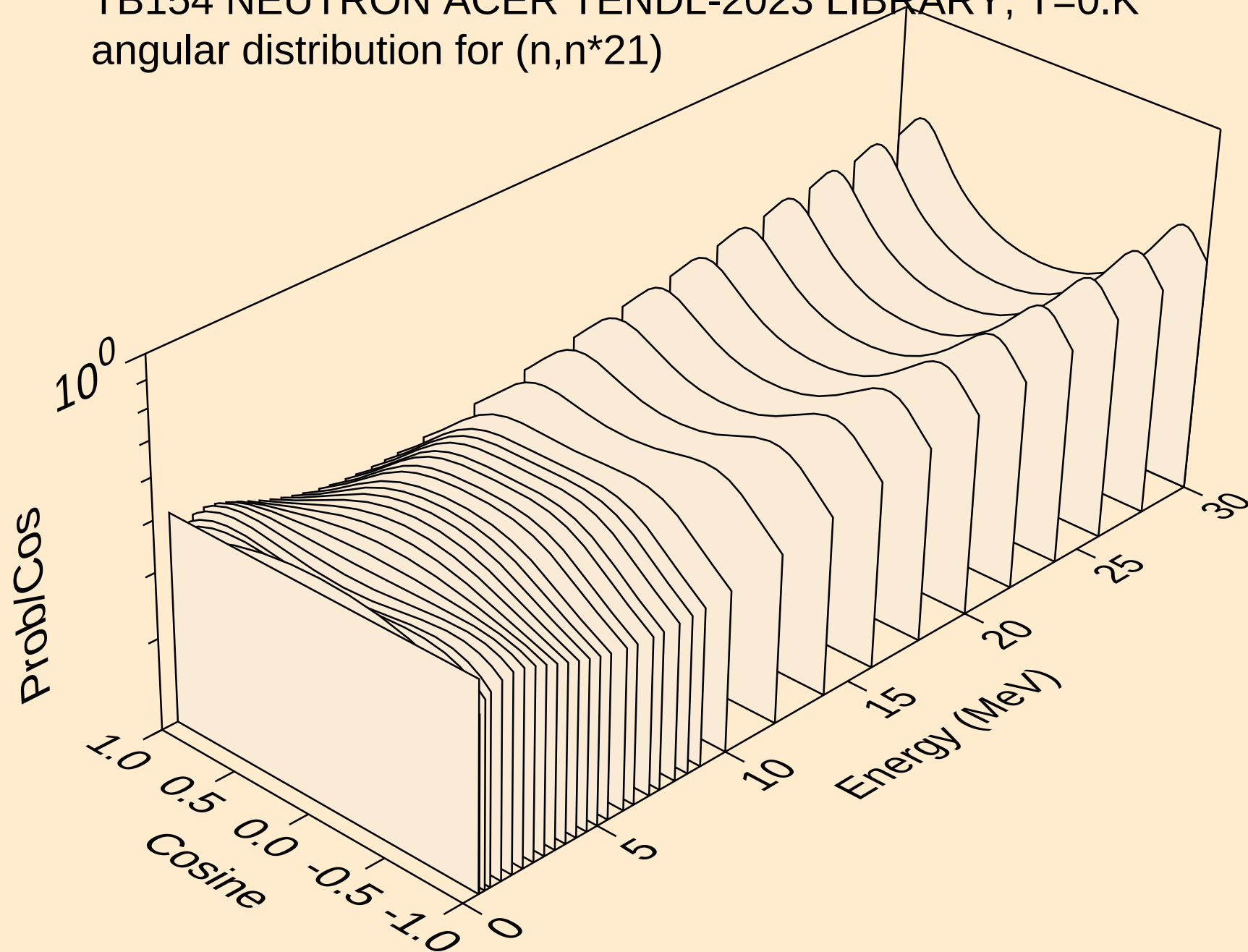
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angular distribution for (n,n*19)



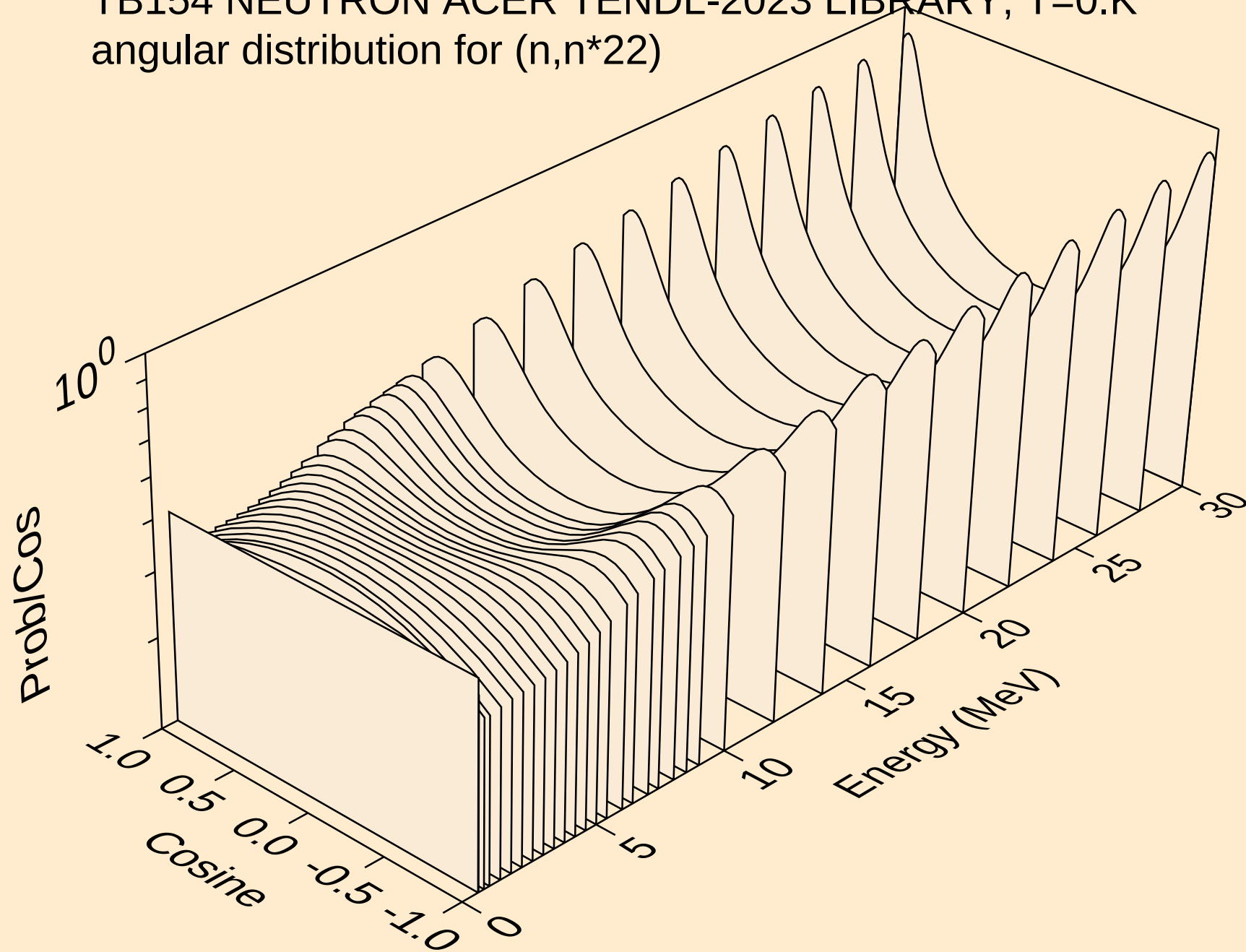
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angular distribution for (n,n*20)



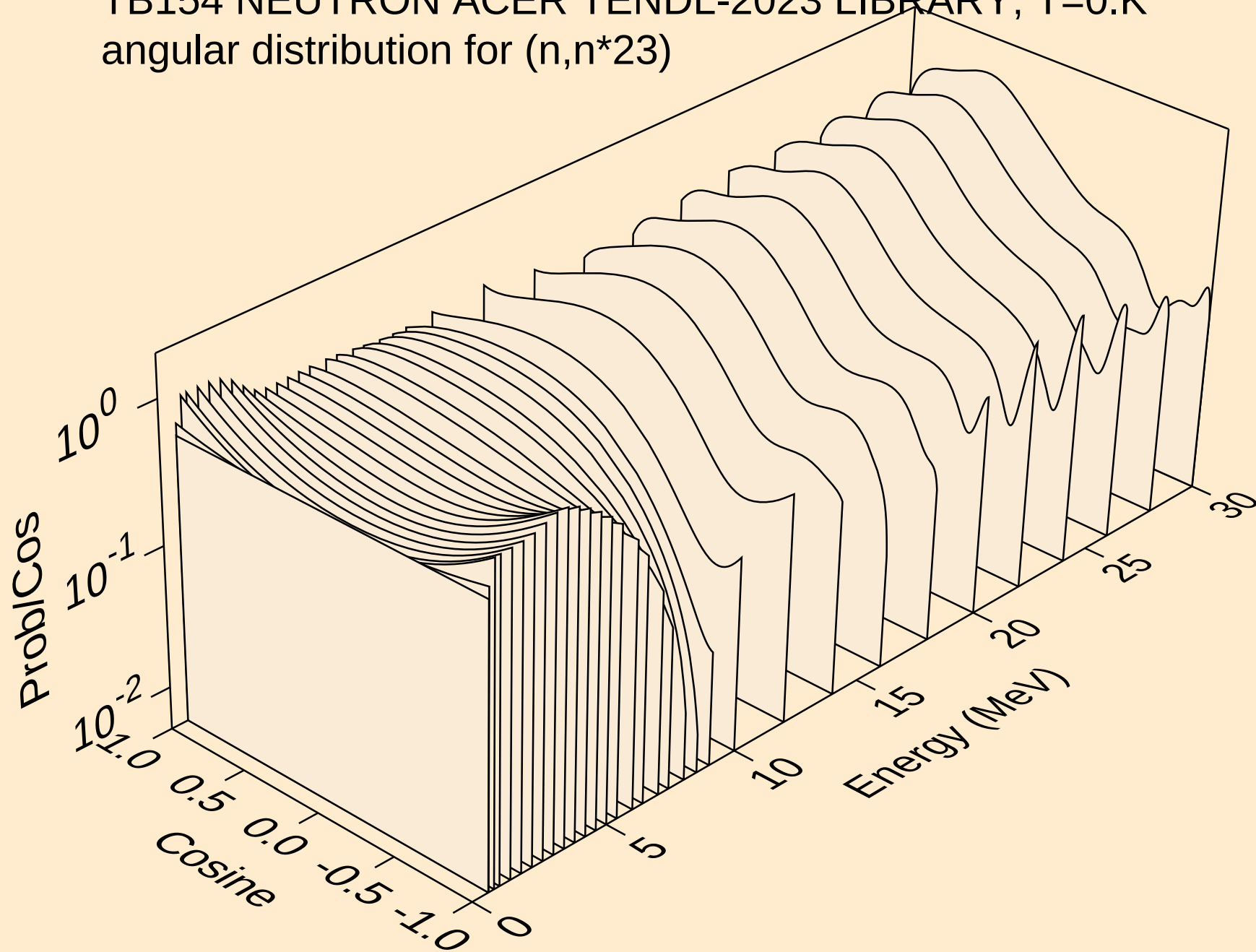
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angular distribution for (n,n*21)



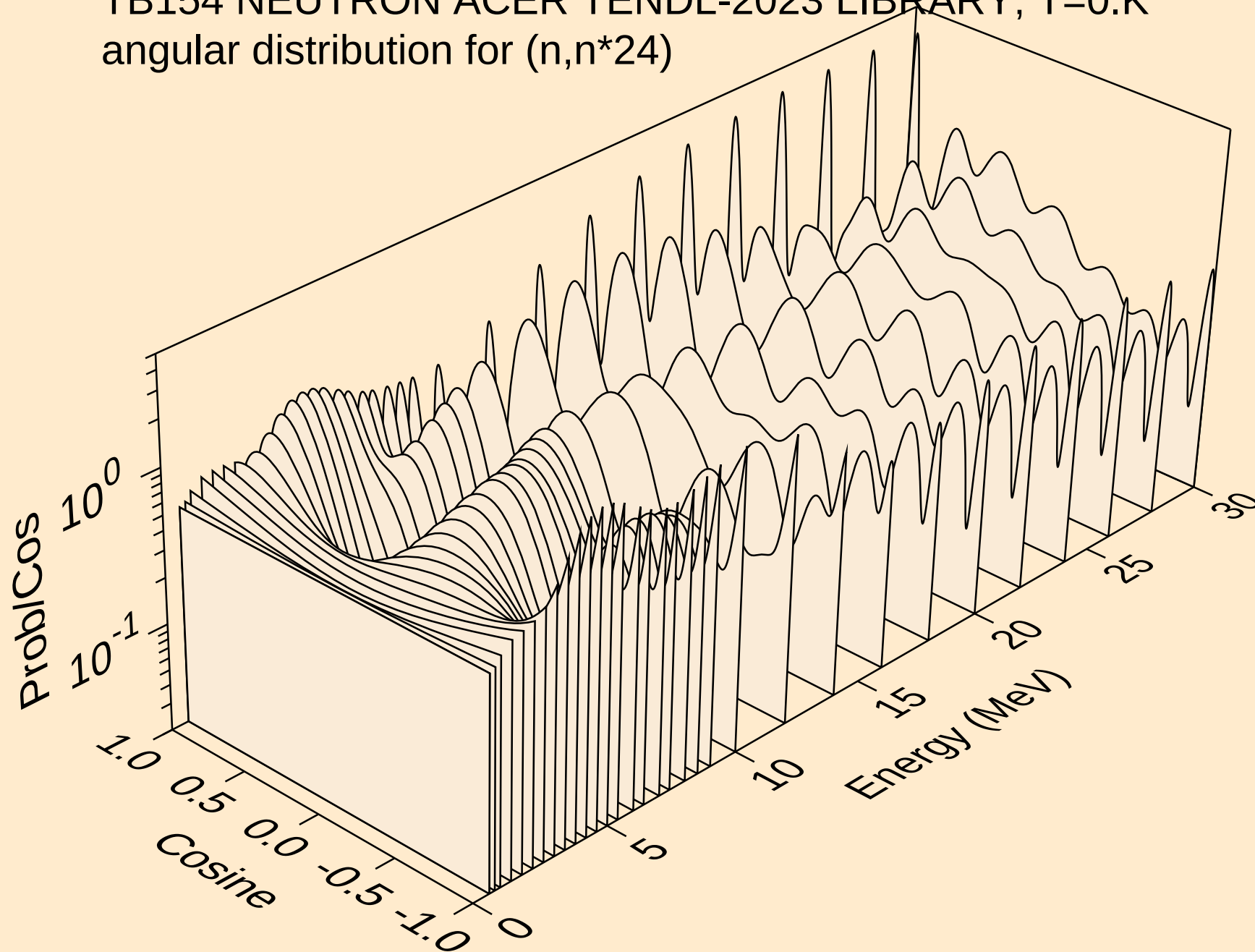
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angular distribution for (n,n*22)



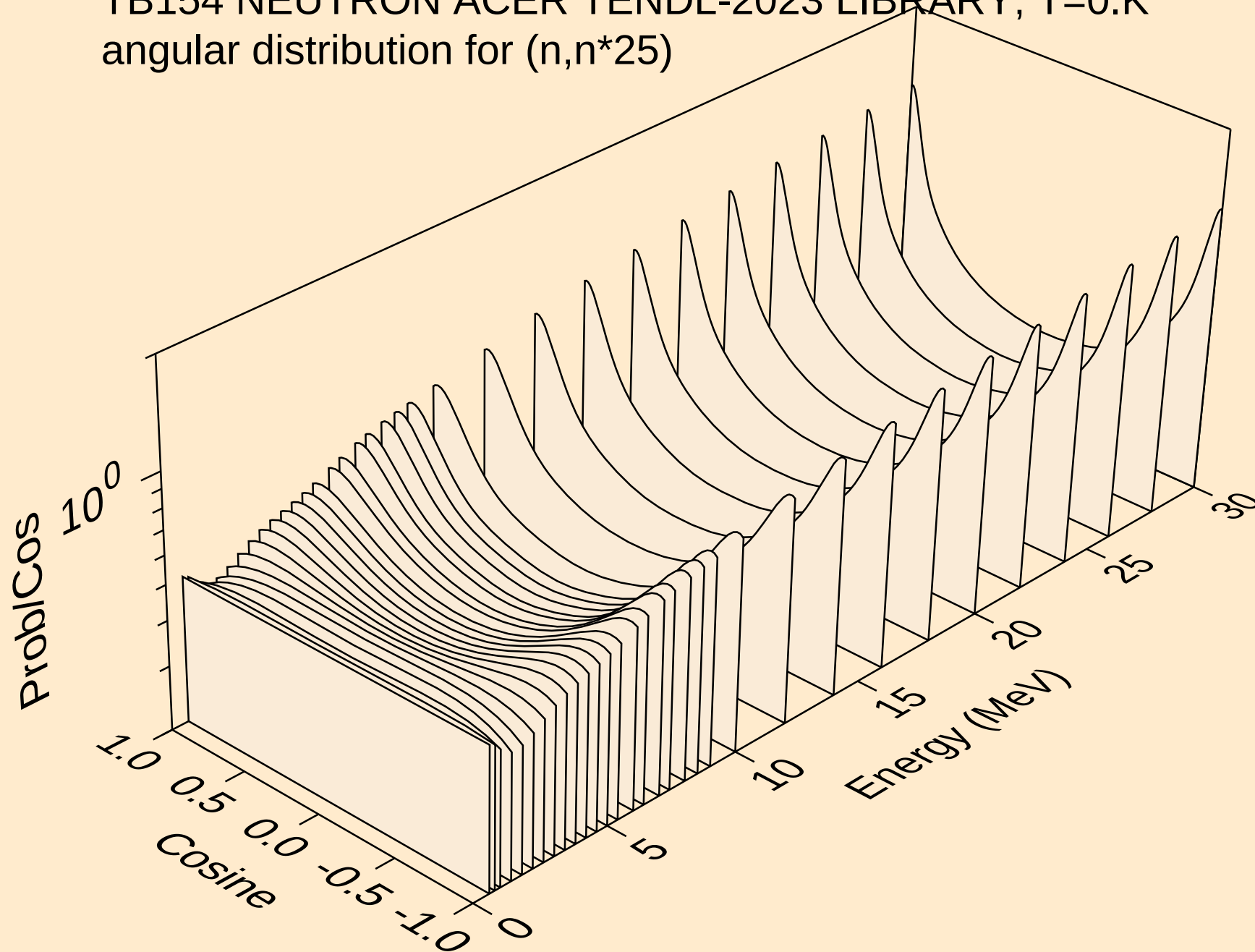
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angular distribution for (n,n*23)



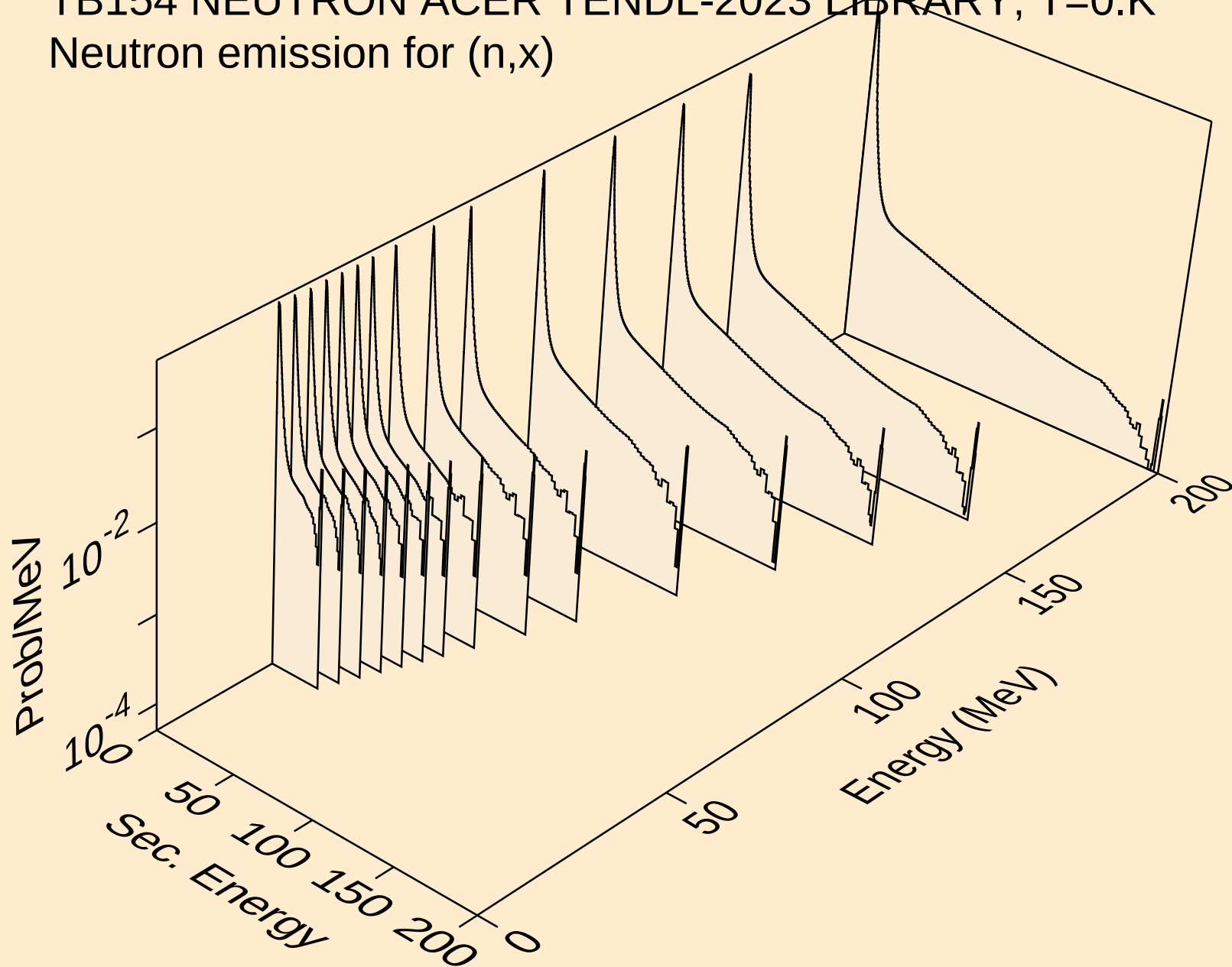
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angular distribution for (n,n*24)



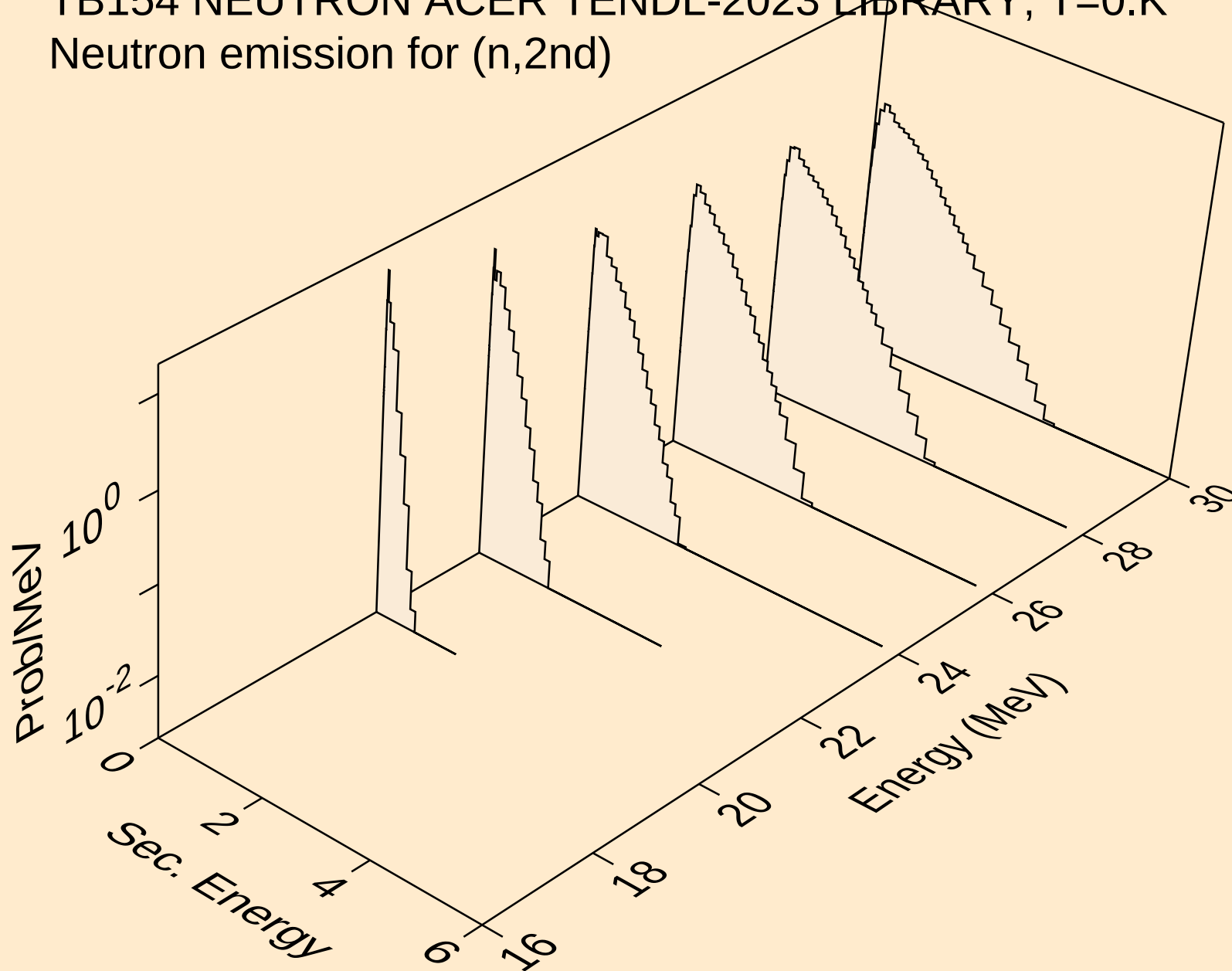
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



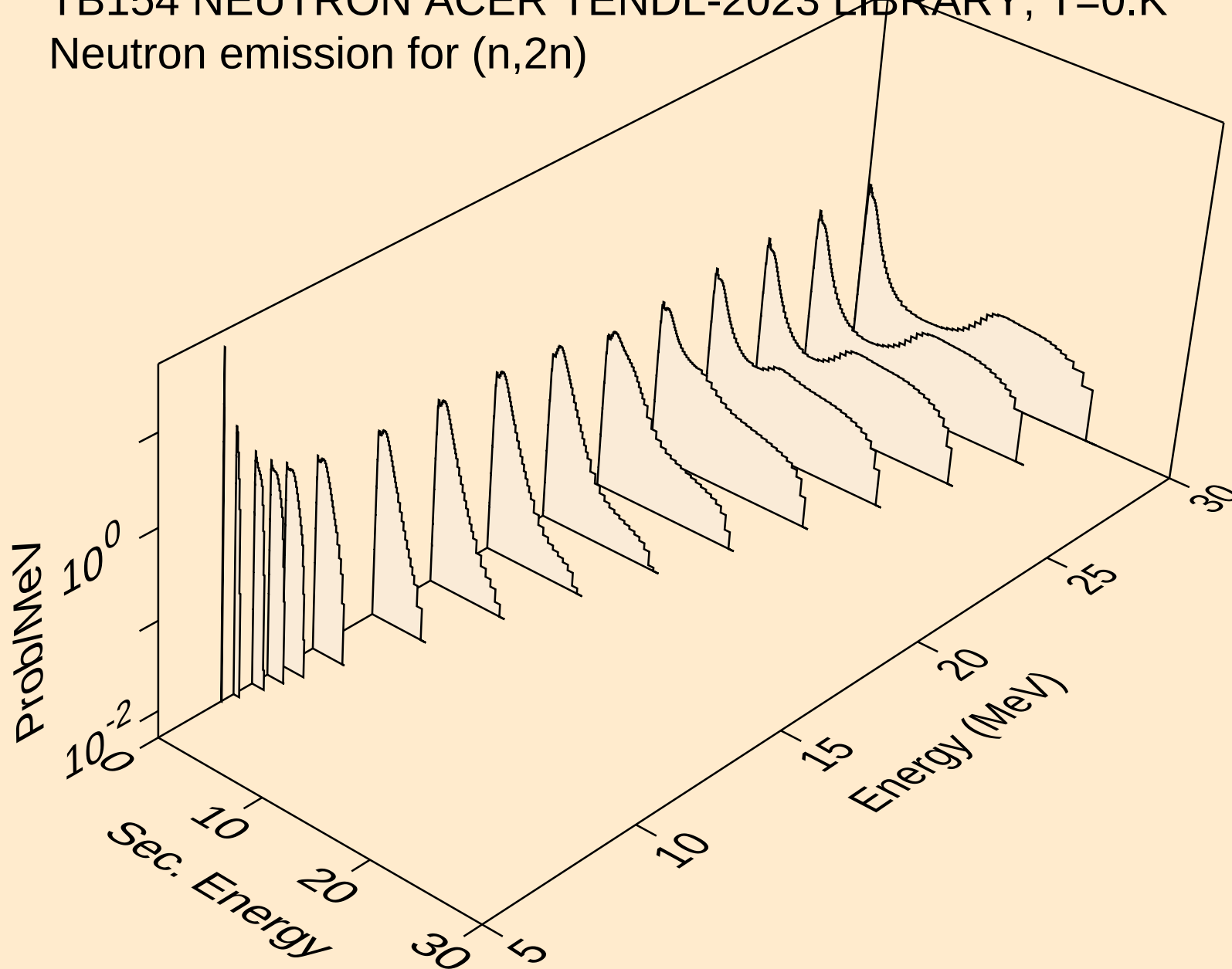
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



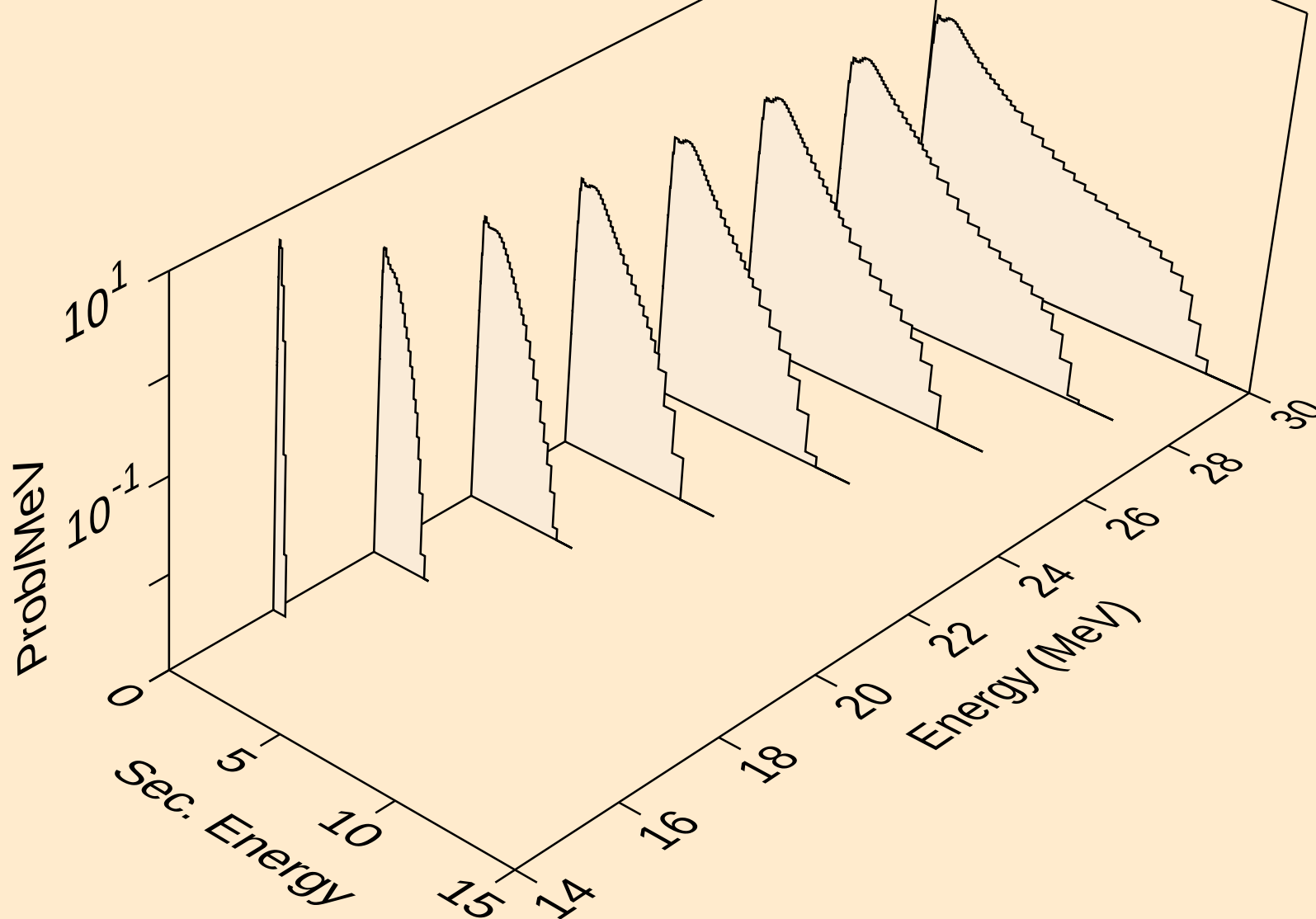
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



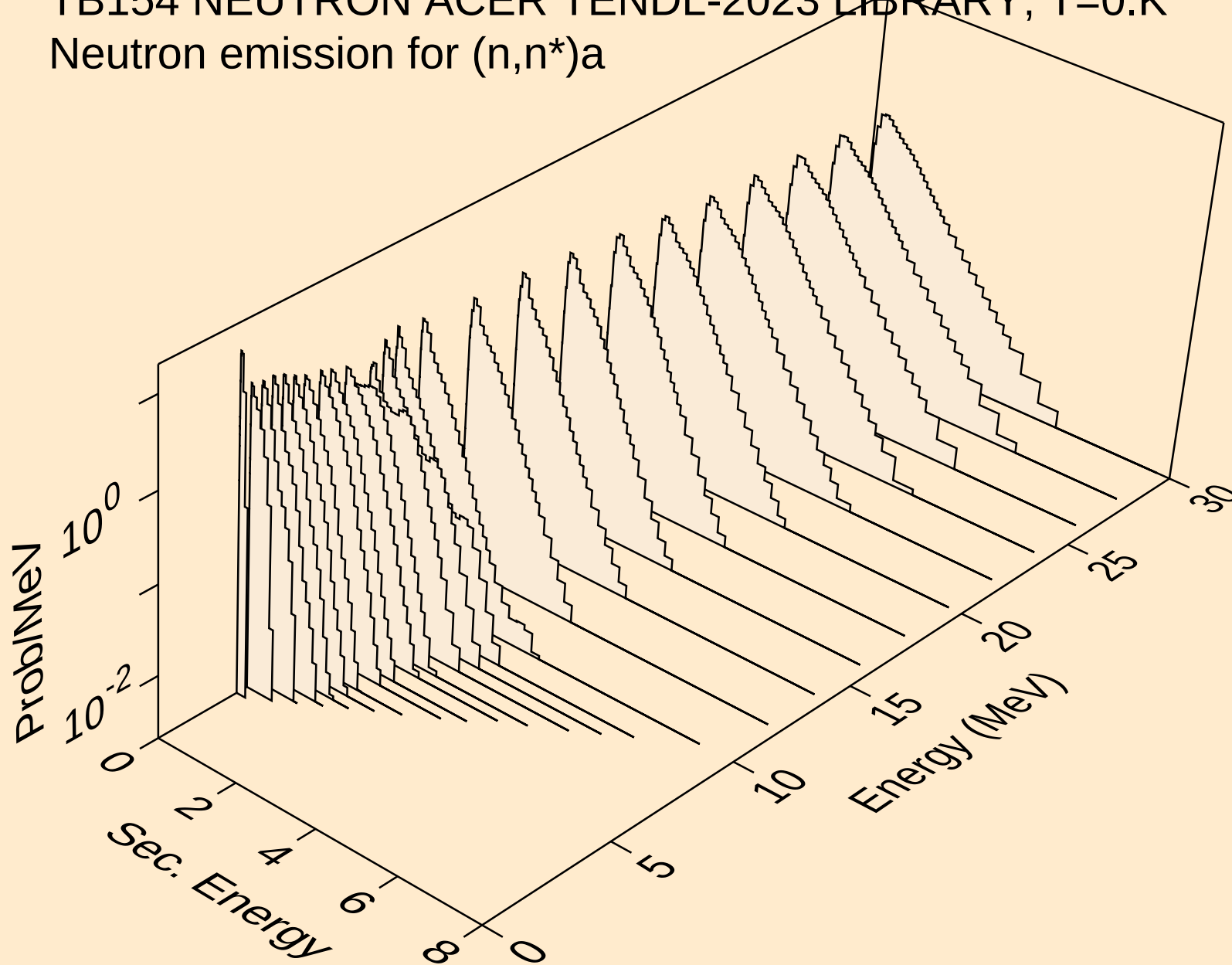
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



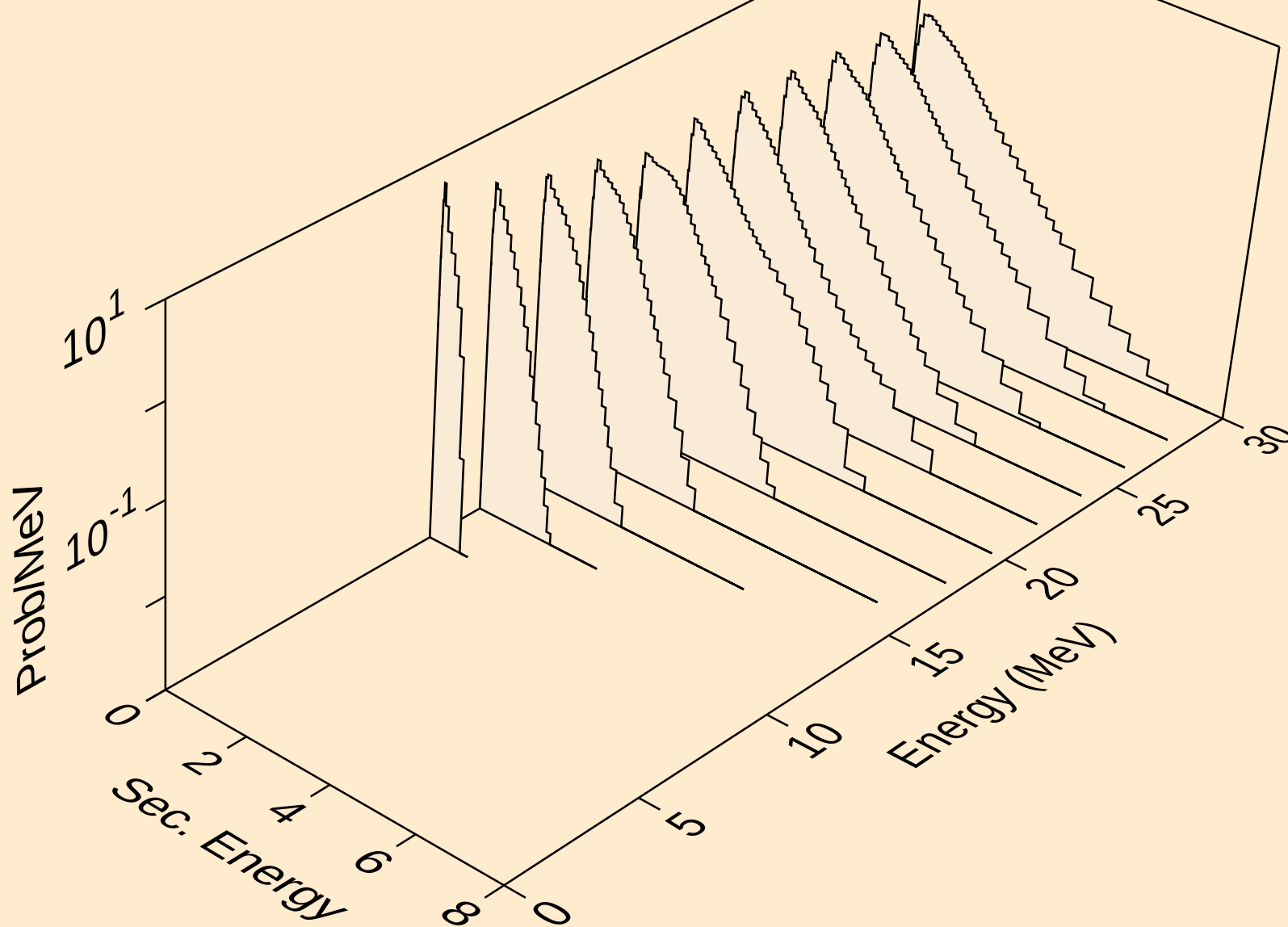
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



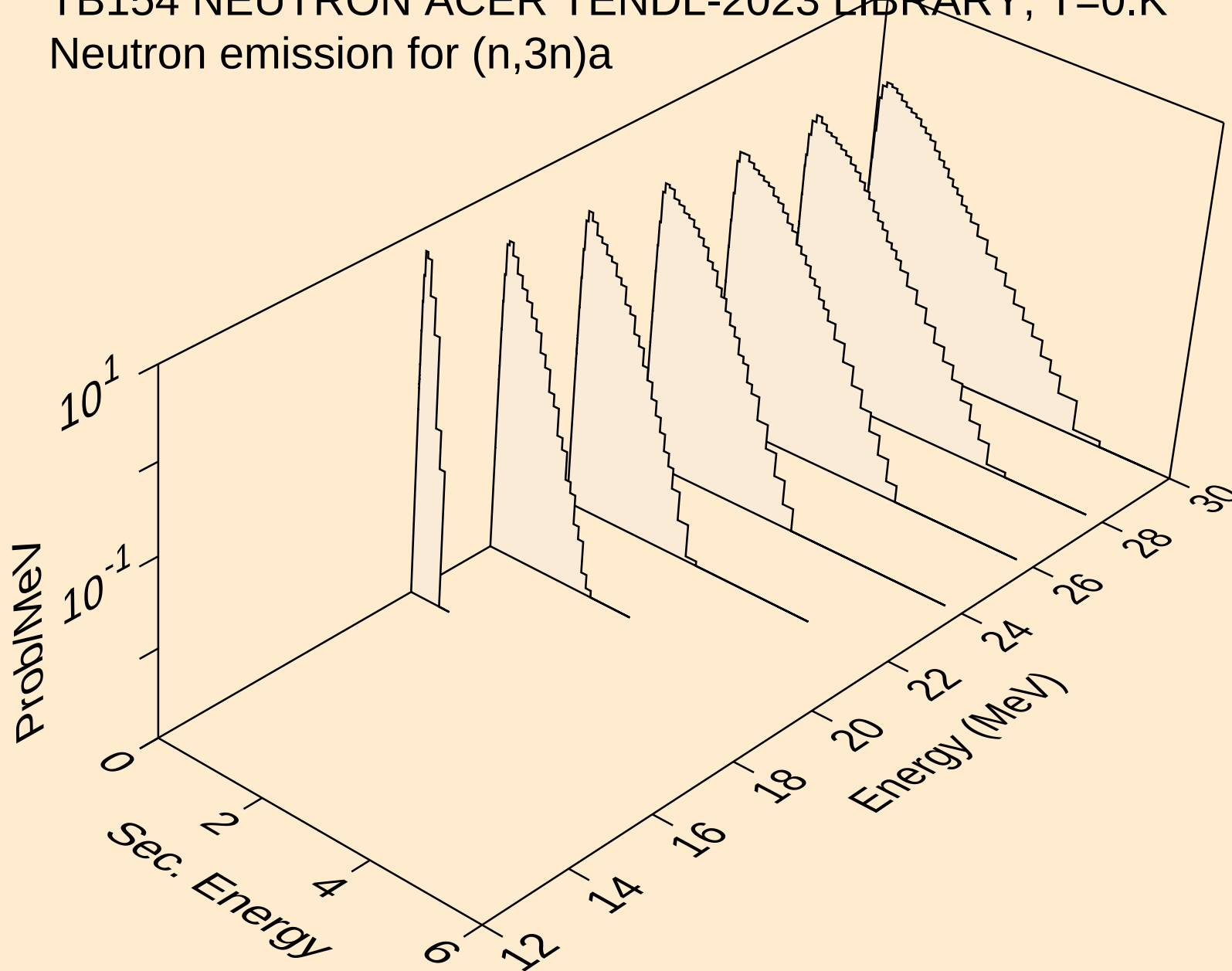
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



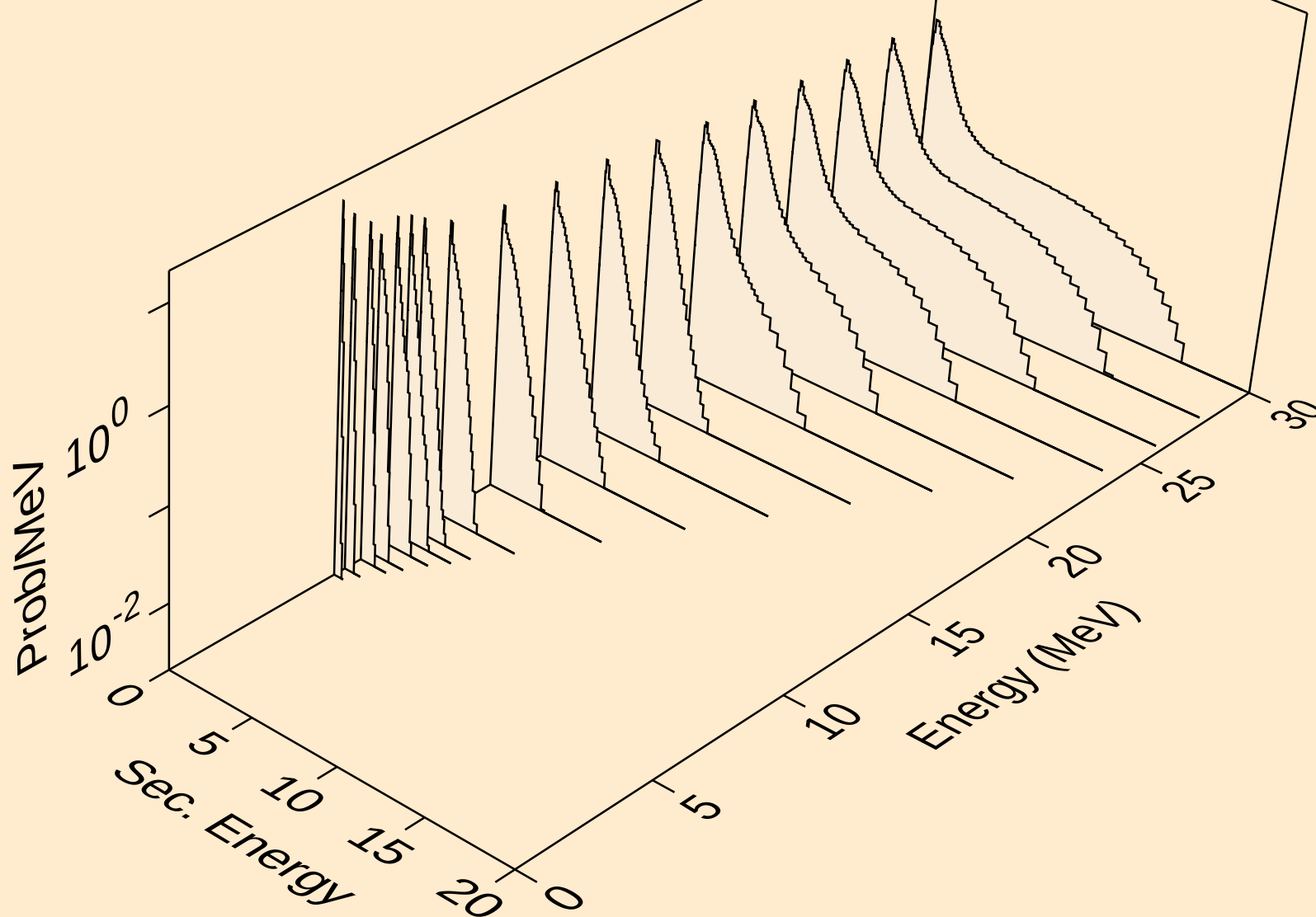
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Neutron emission for (n,2n)_a



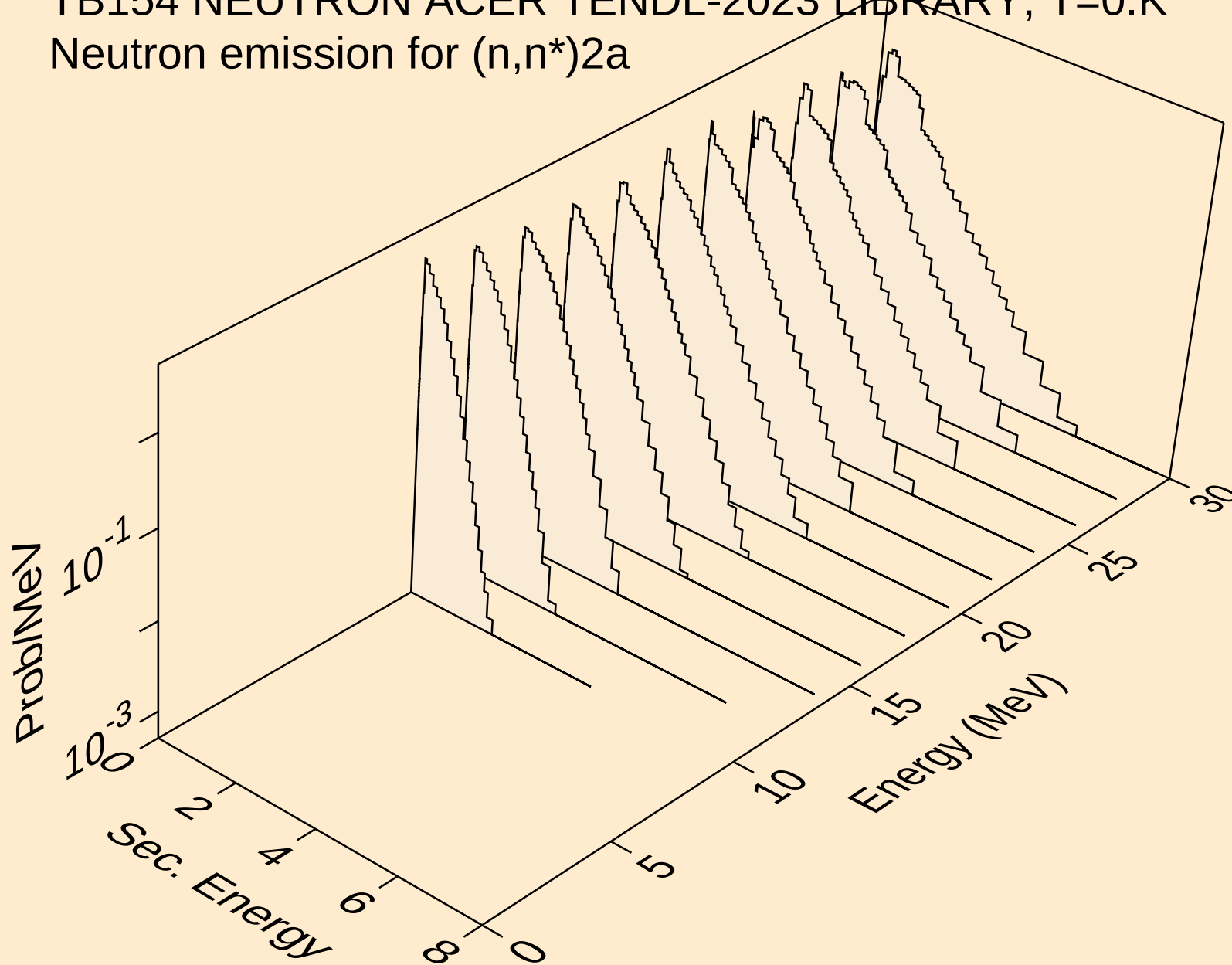
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Neutron emission for (n,3n)a



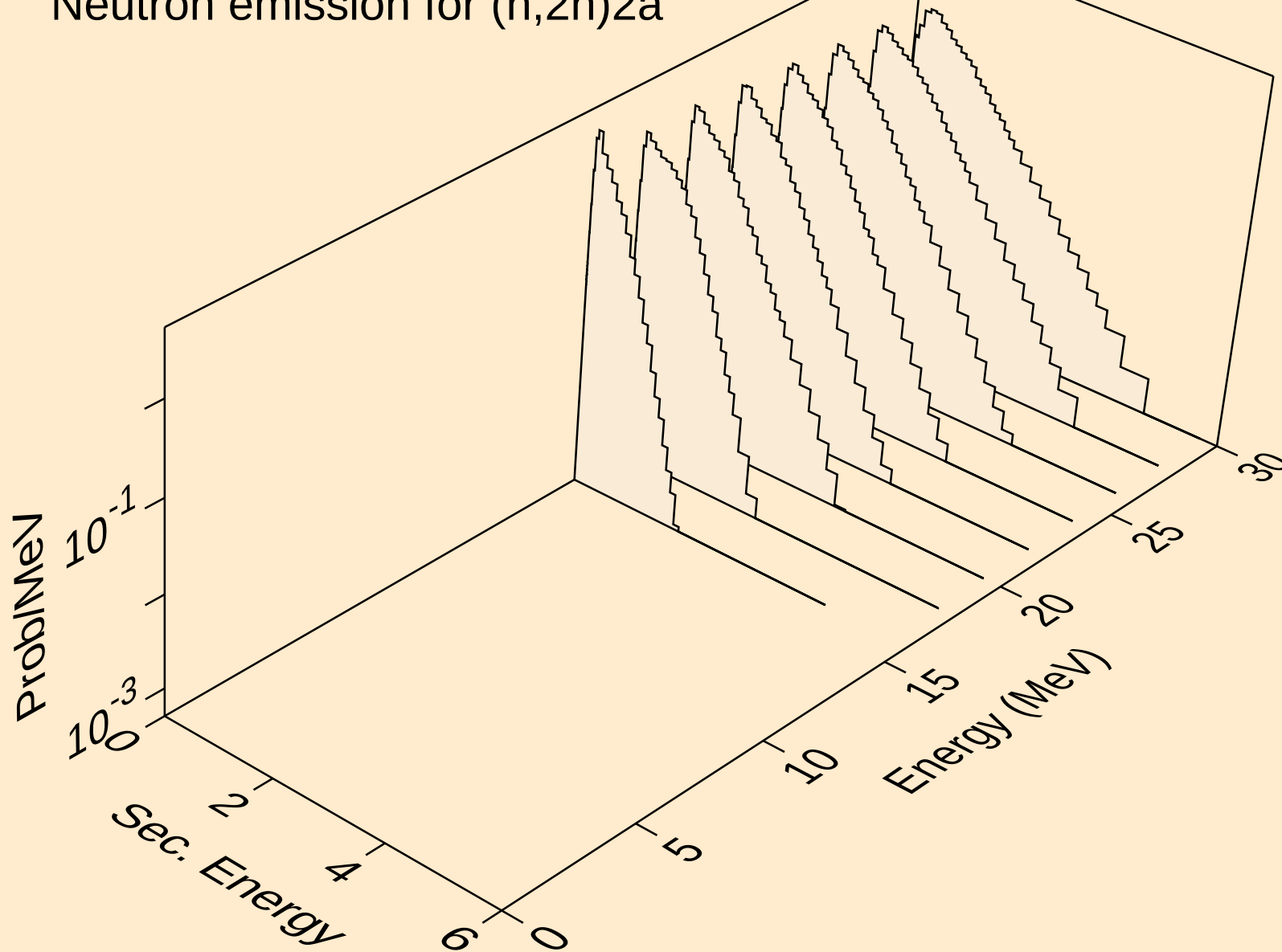
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



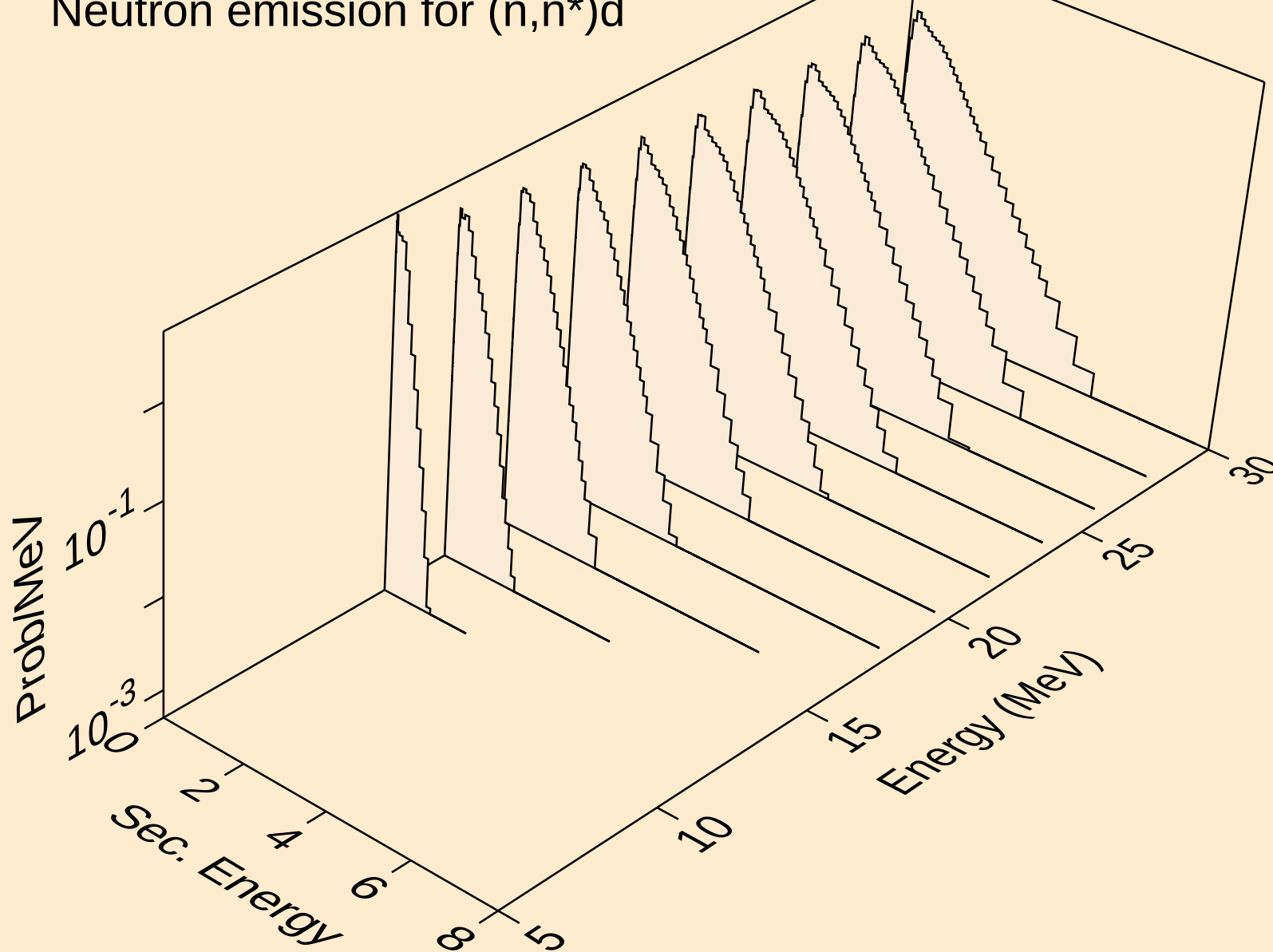
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



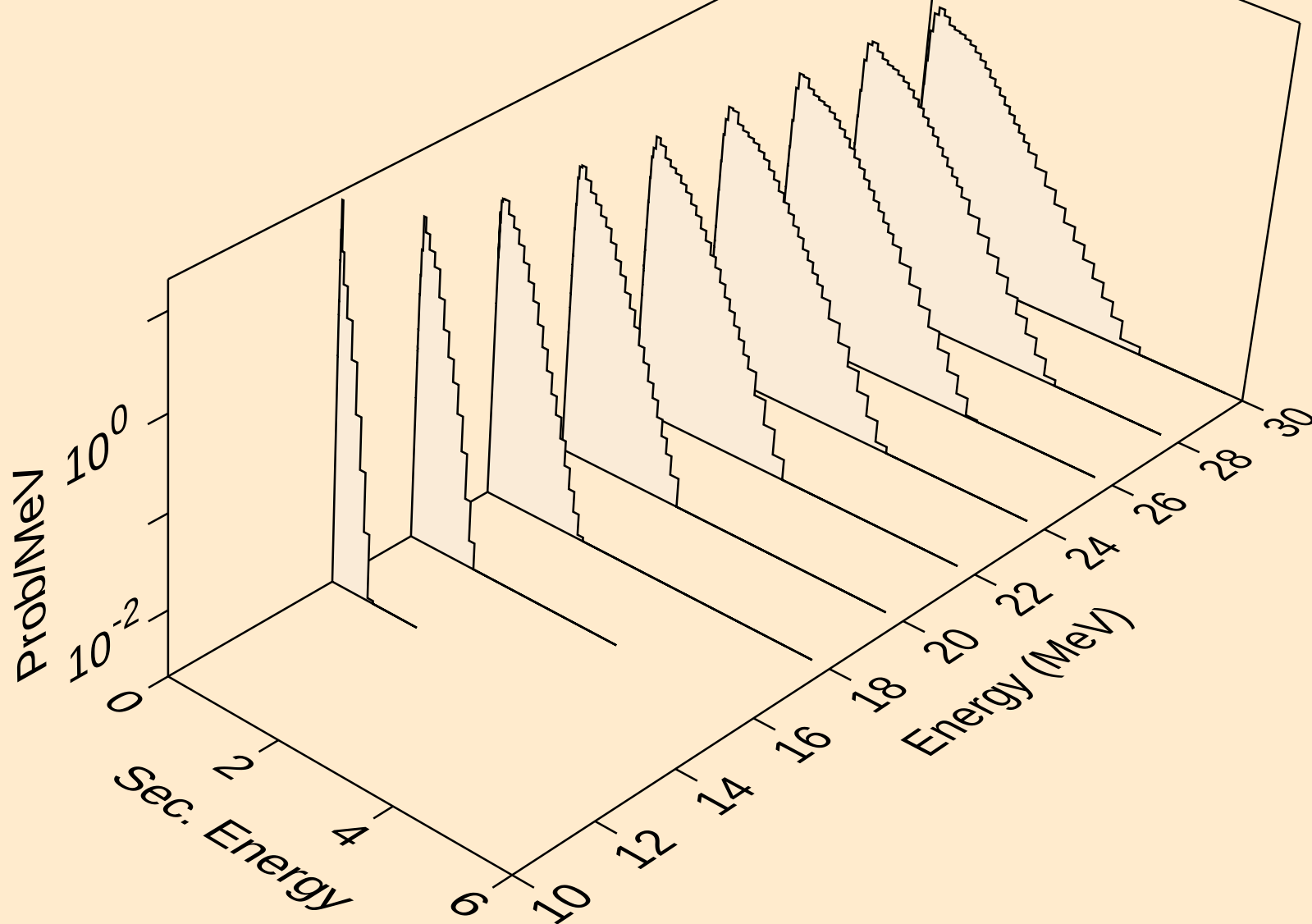
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



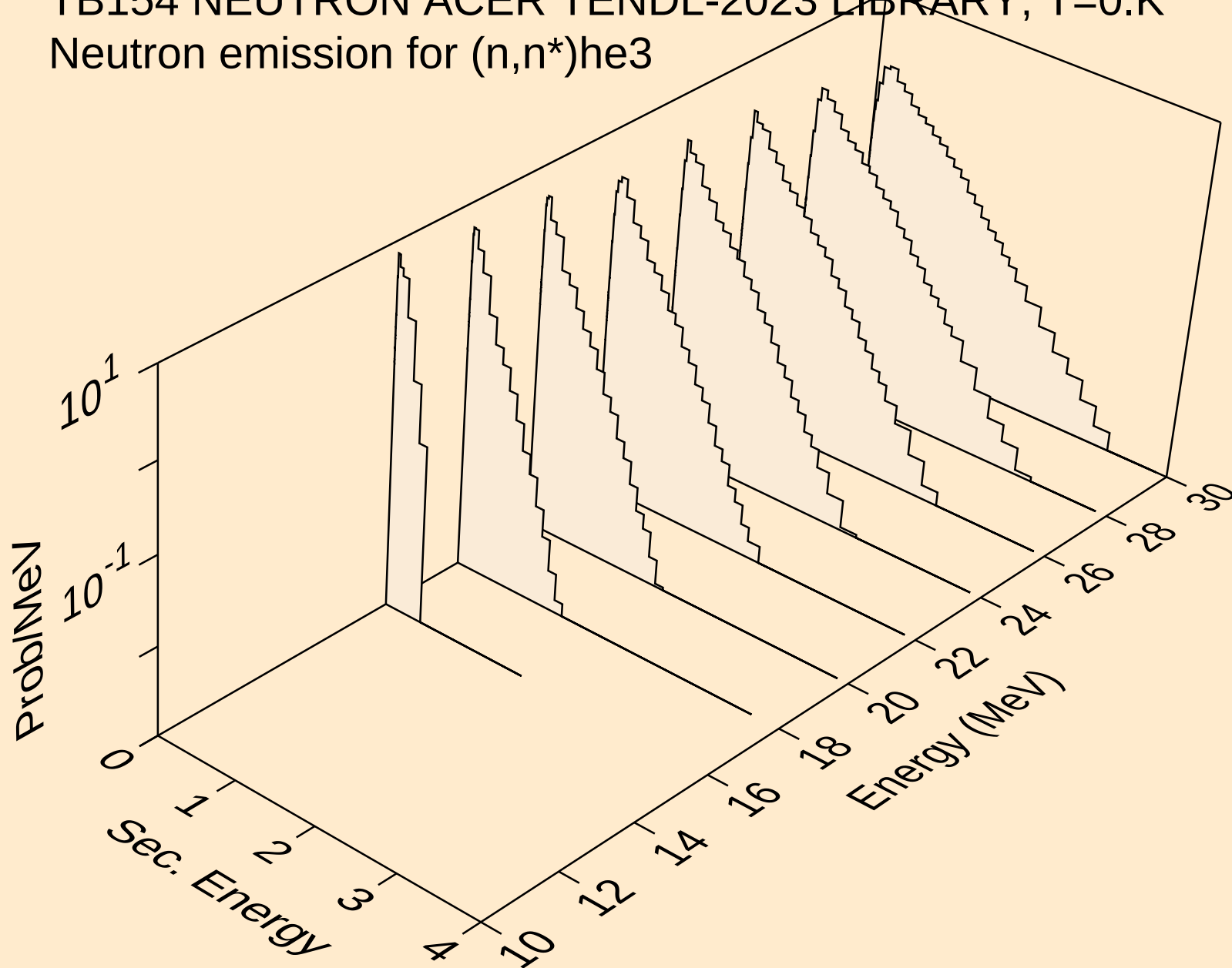
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



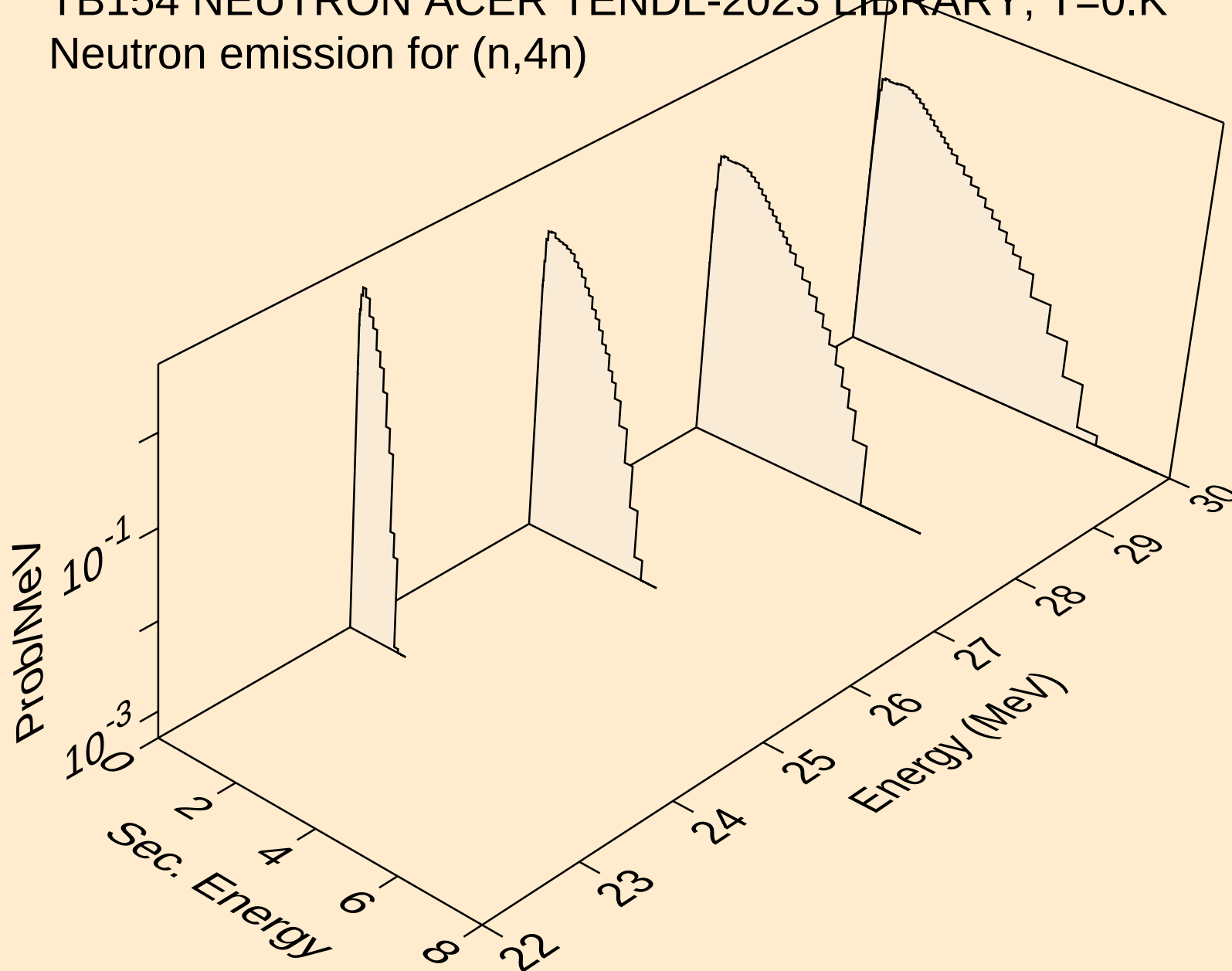
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



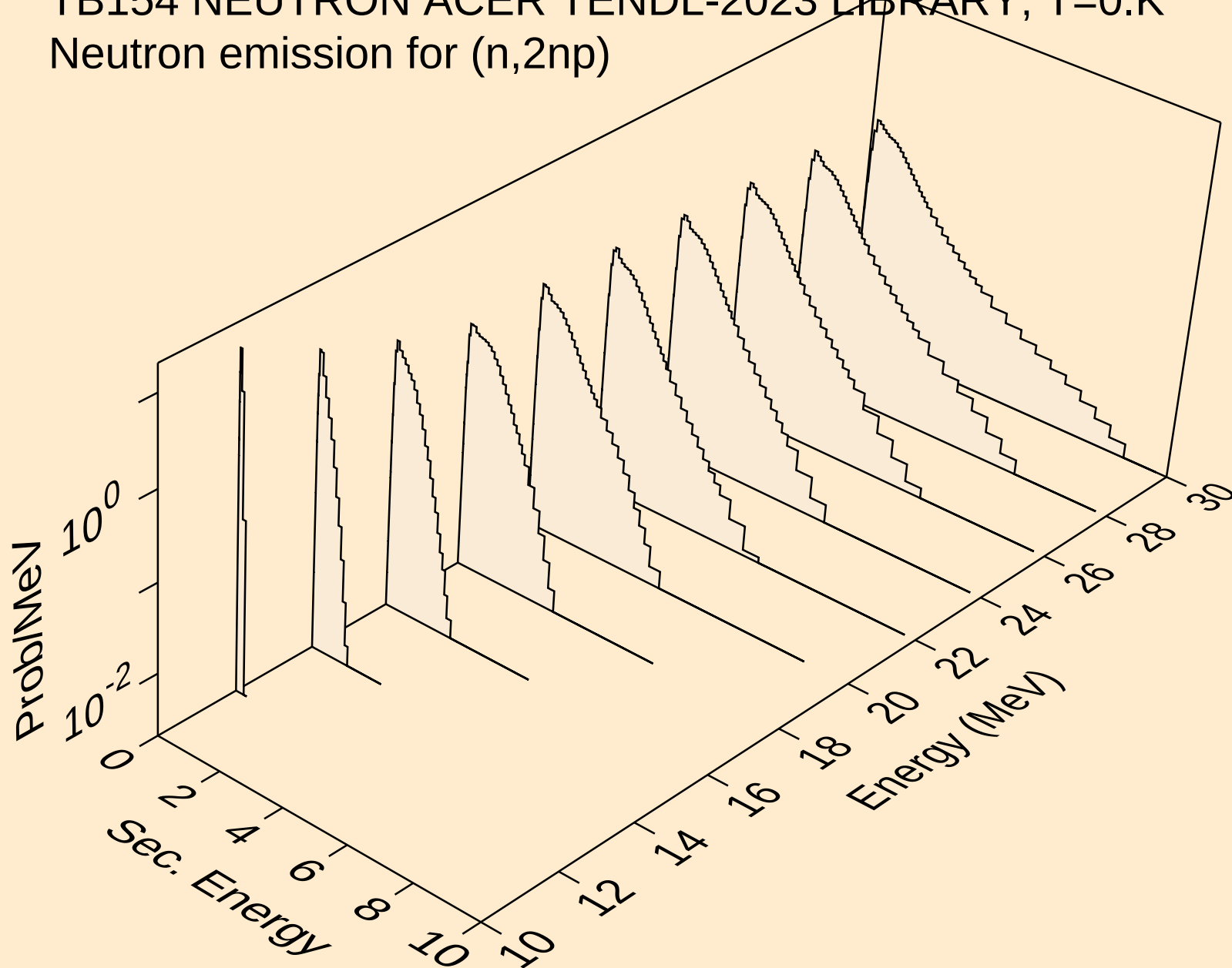
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



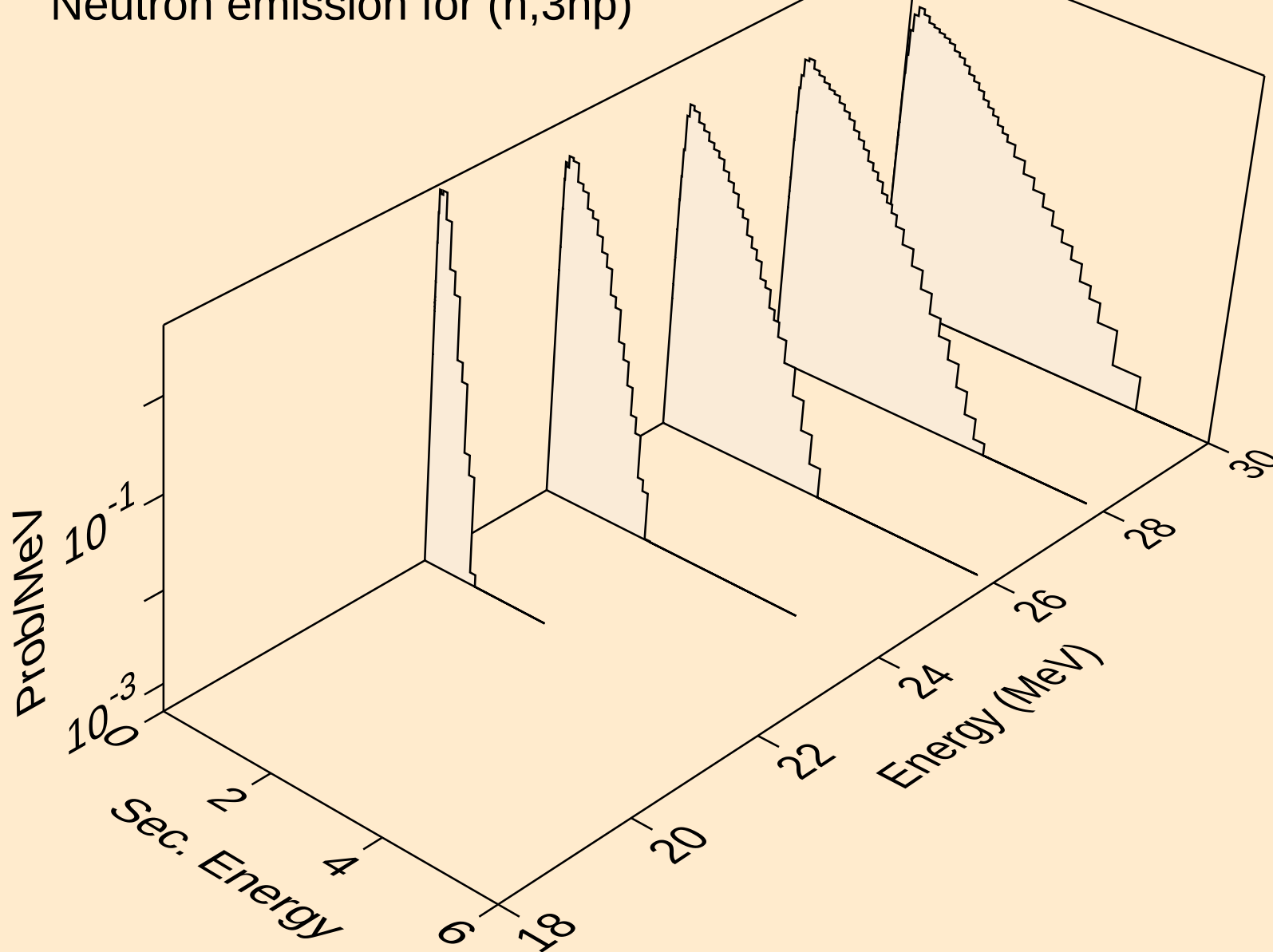
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



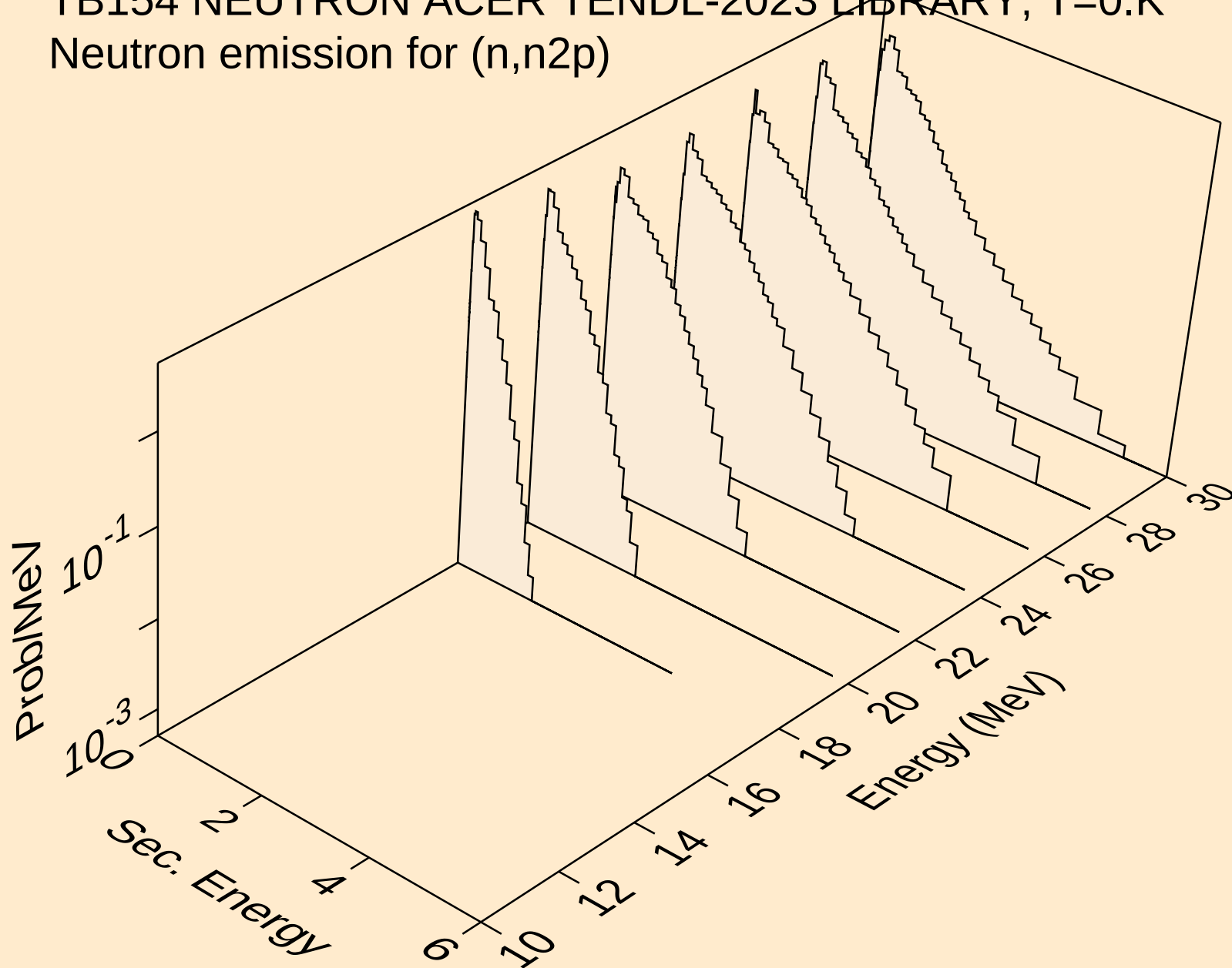
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



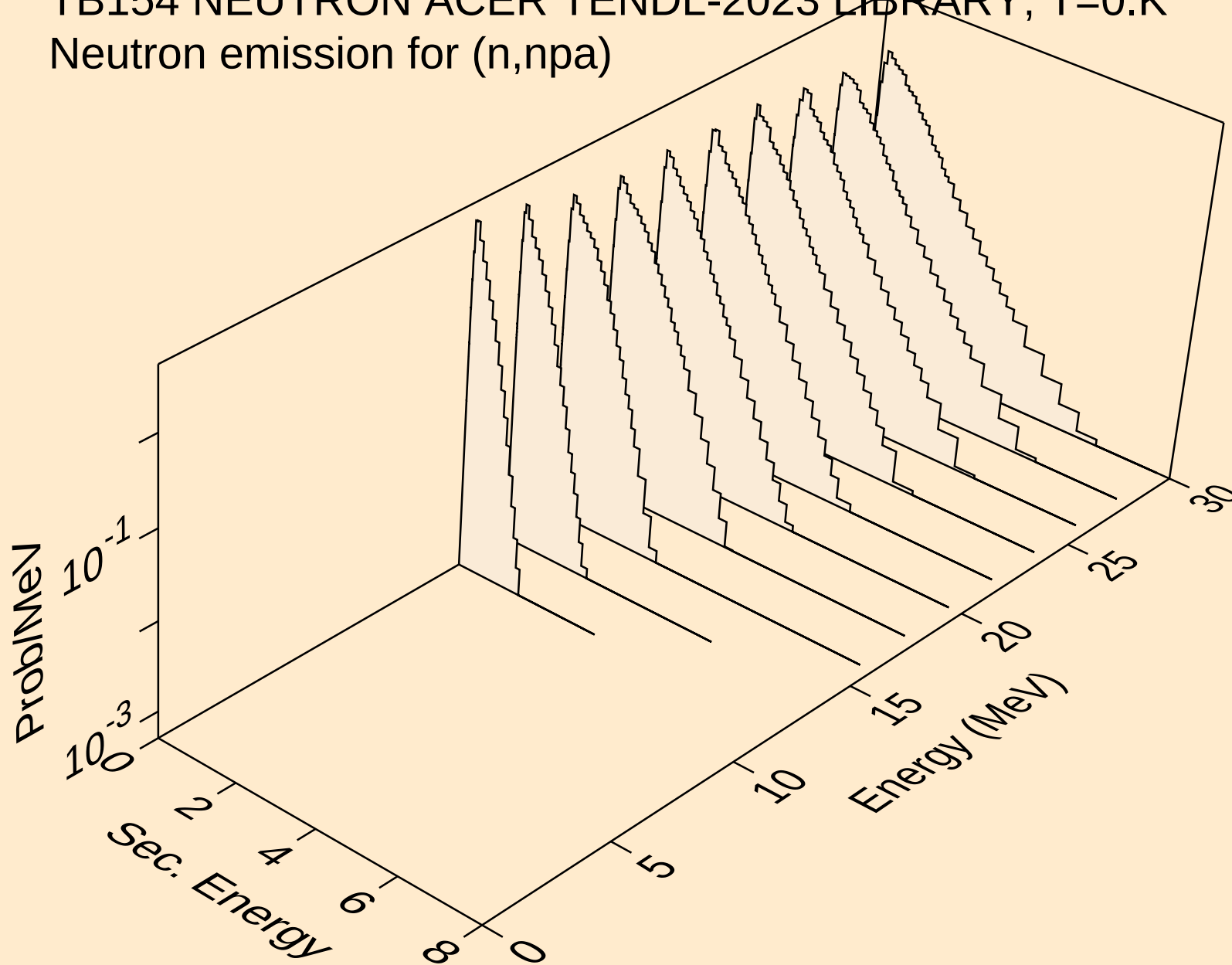
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



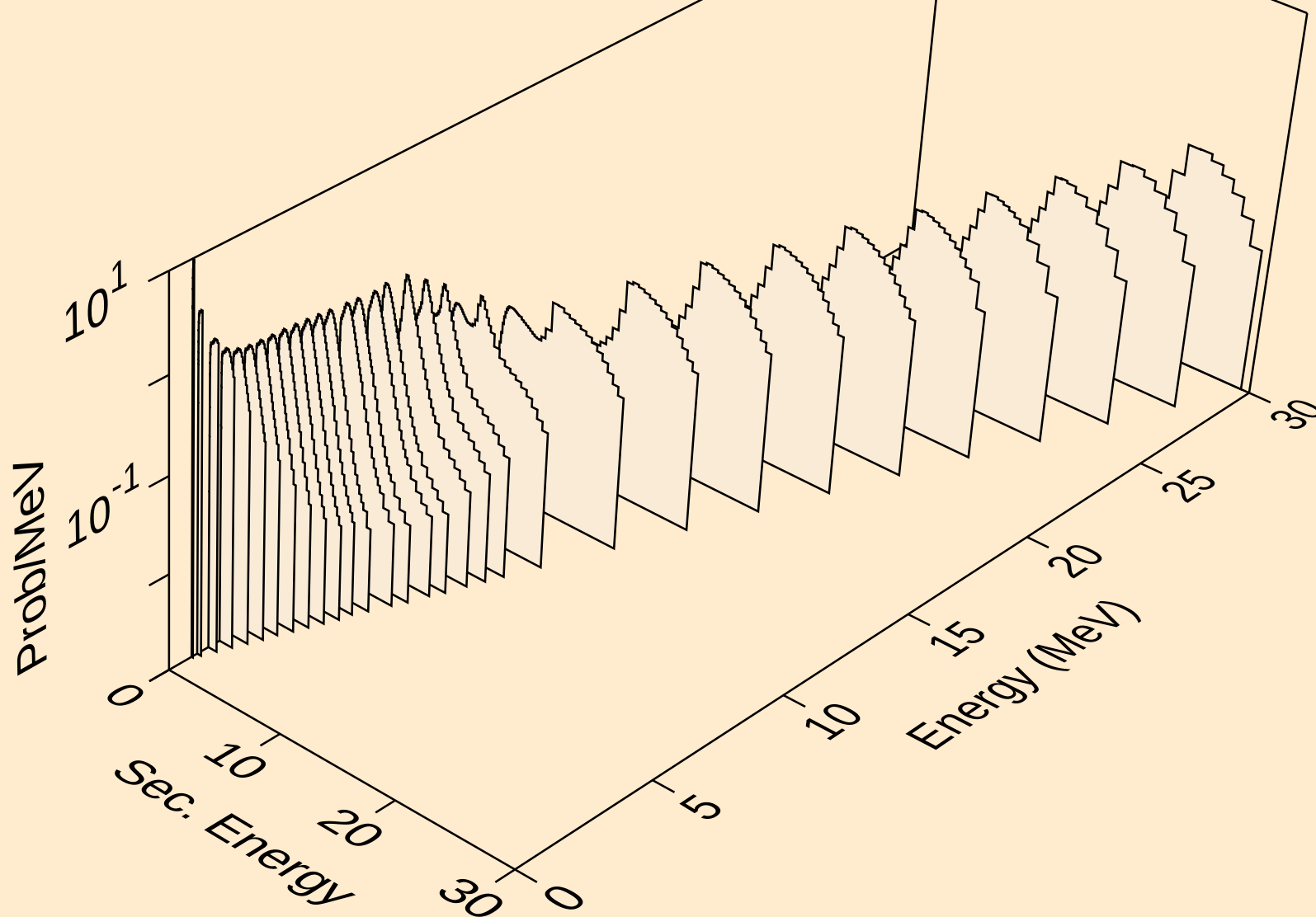
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



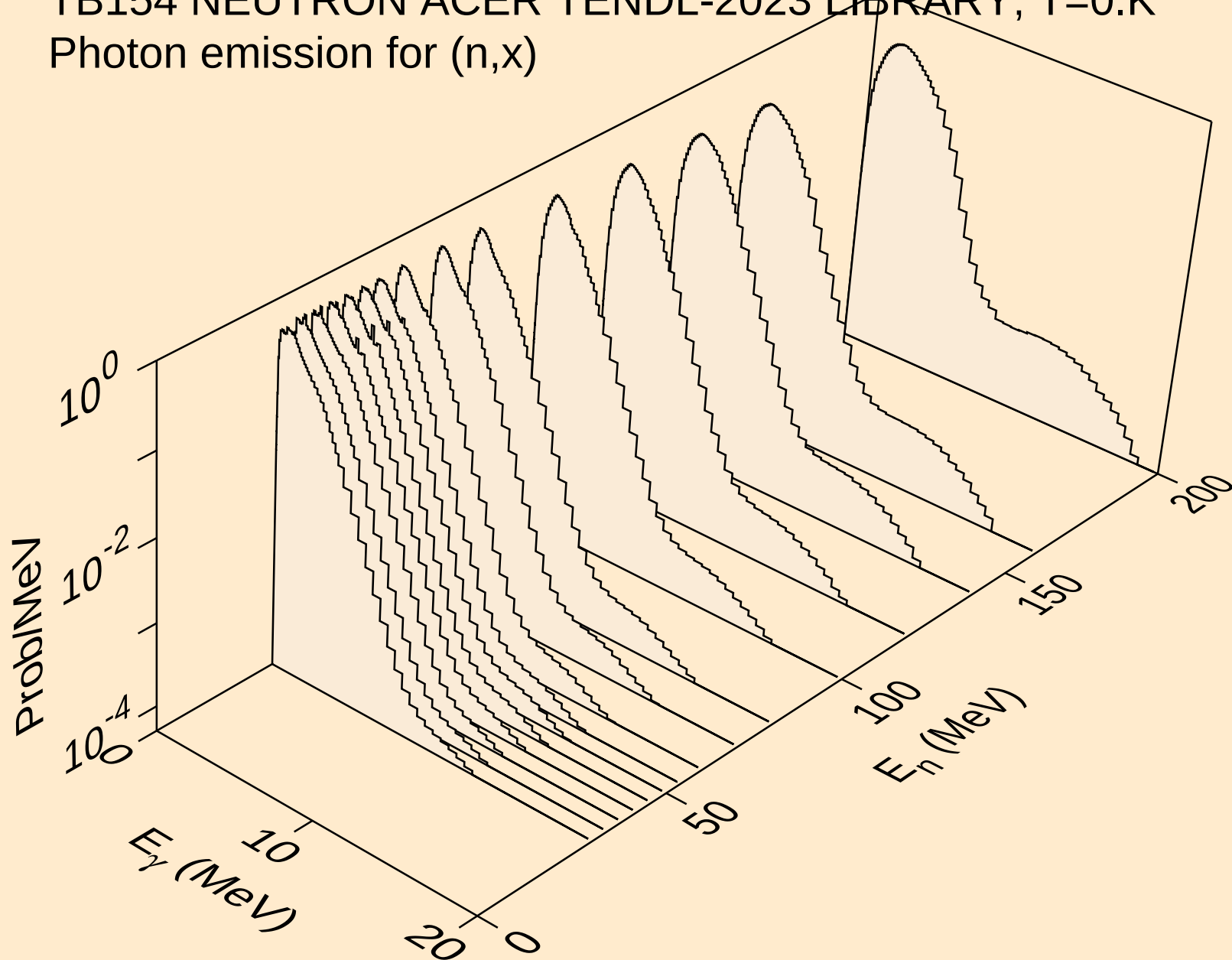
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



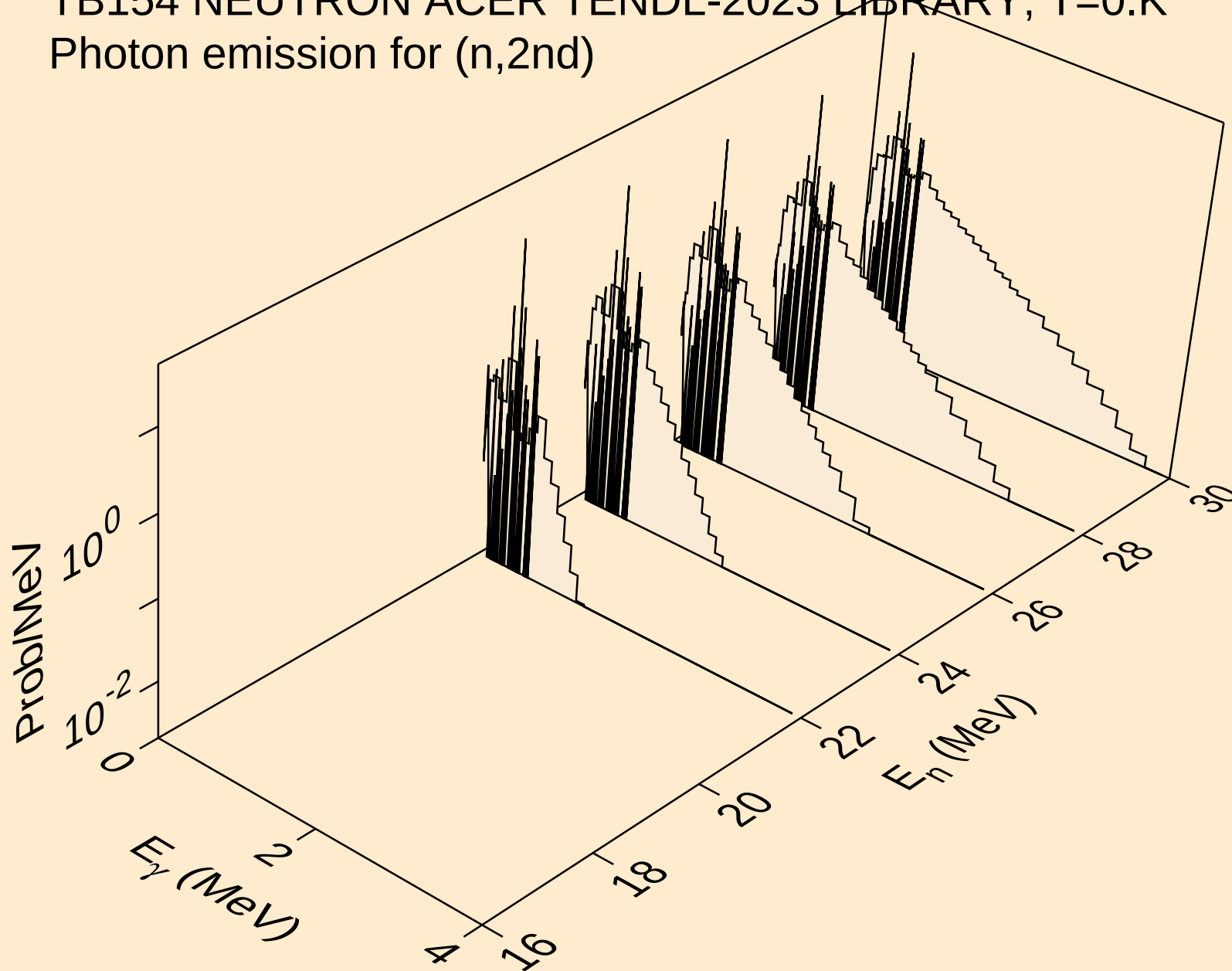
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



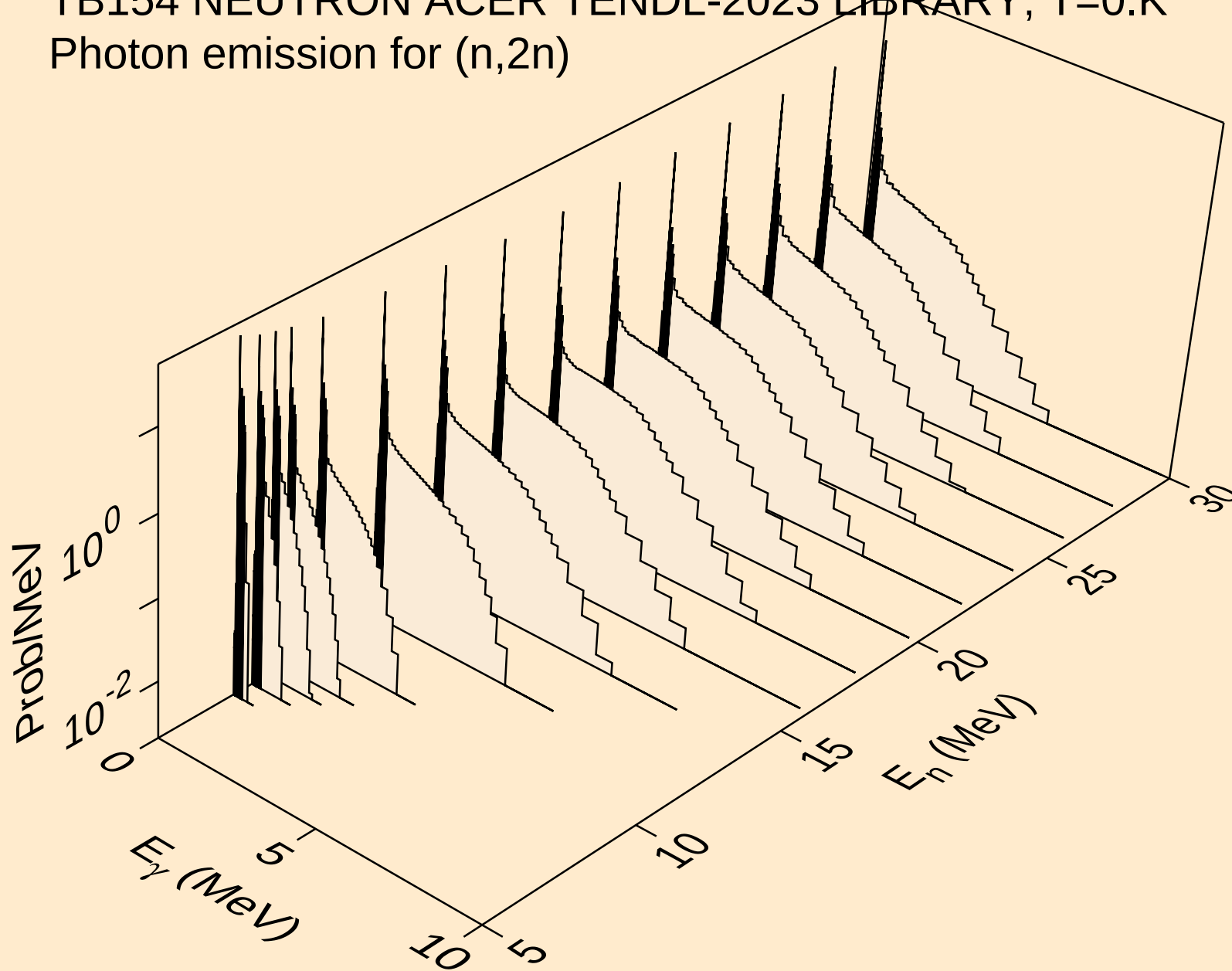
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



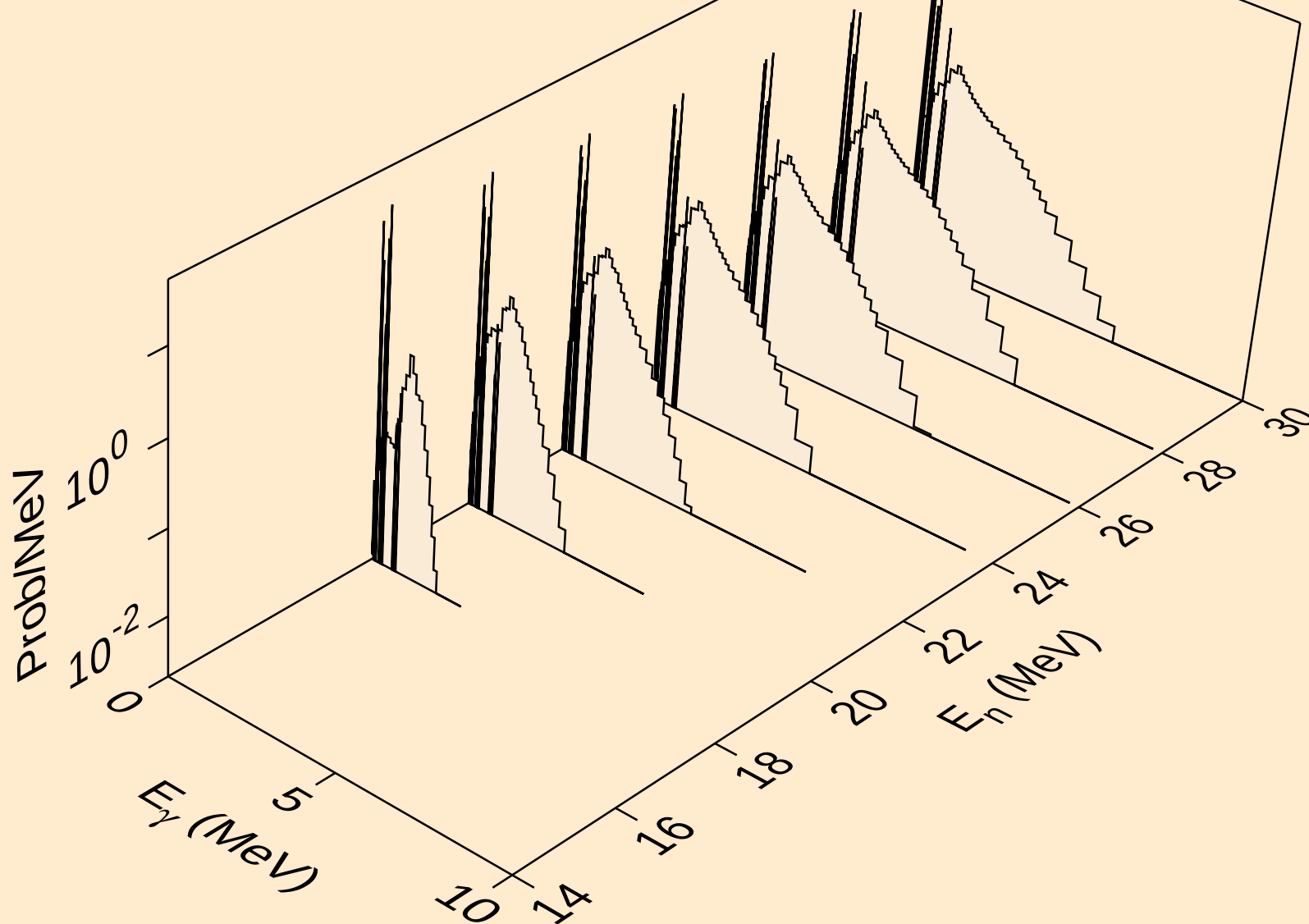
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



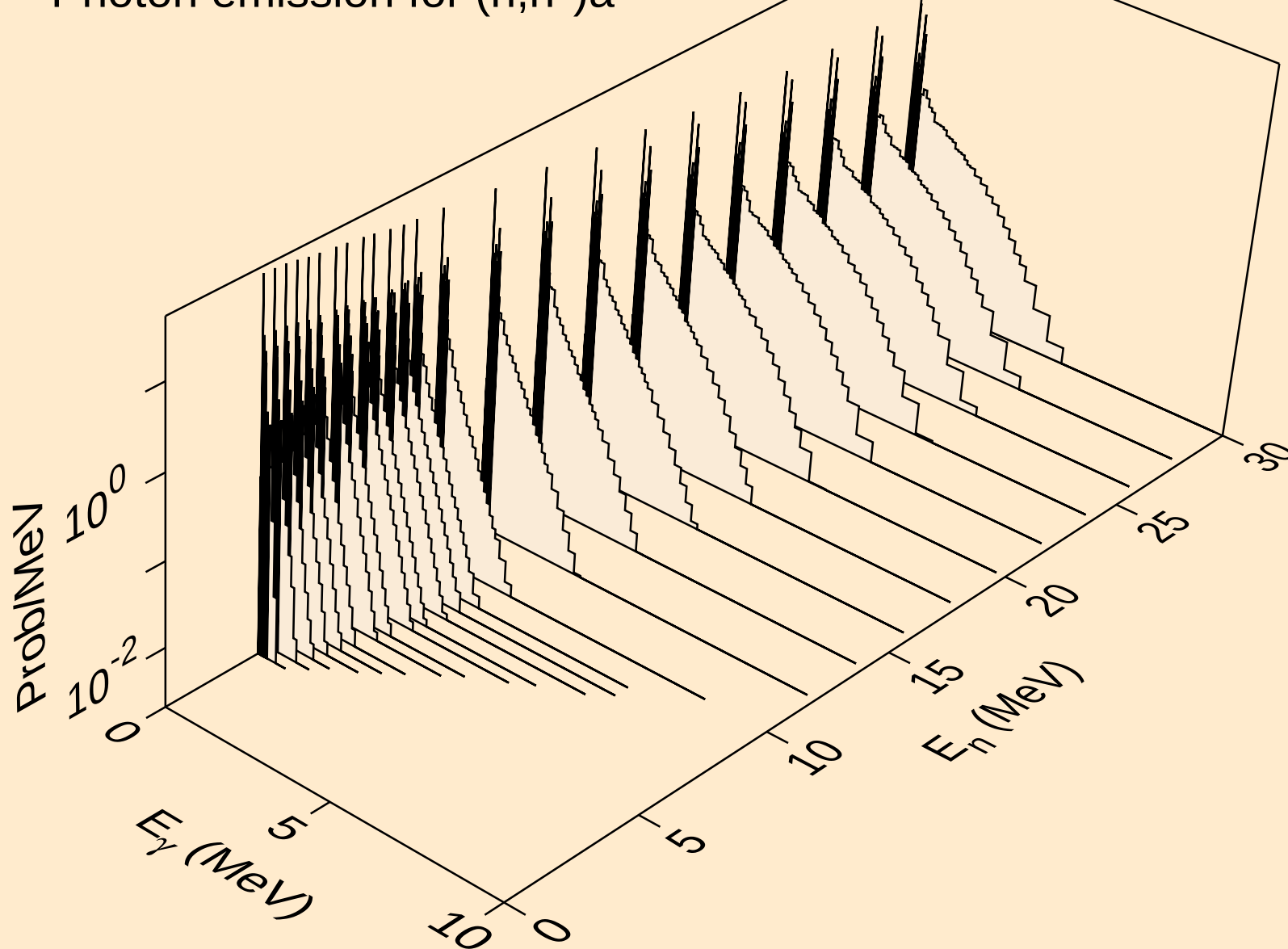
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



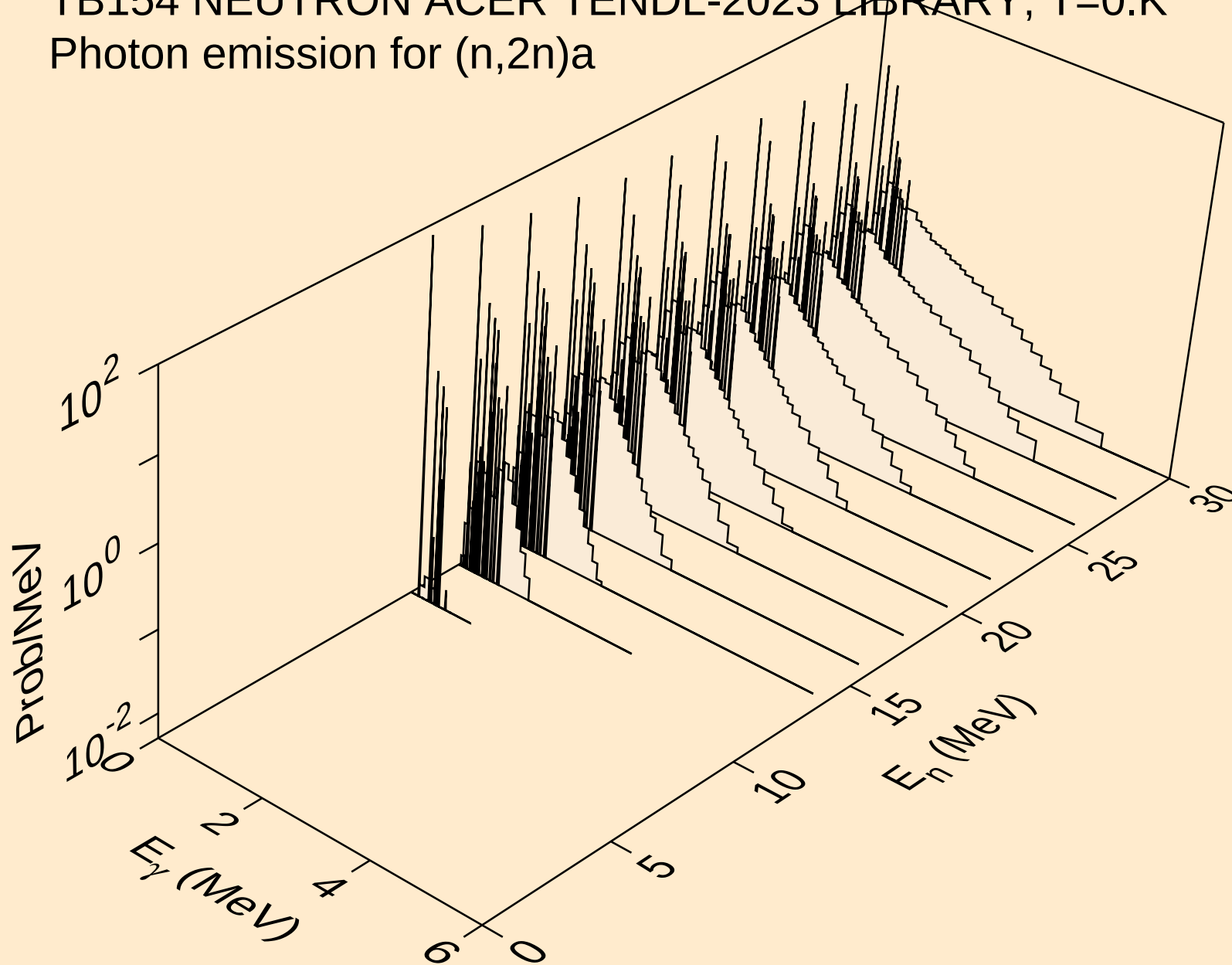
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a

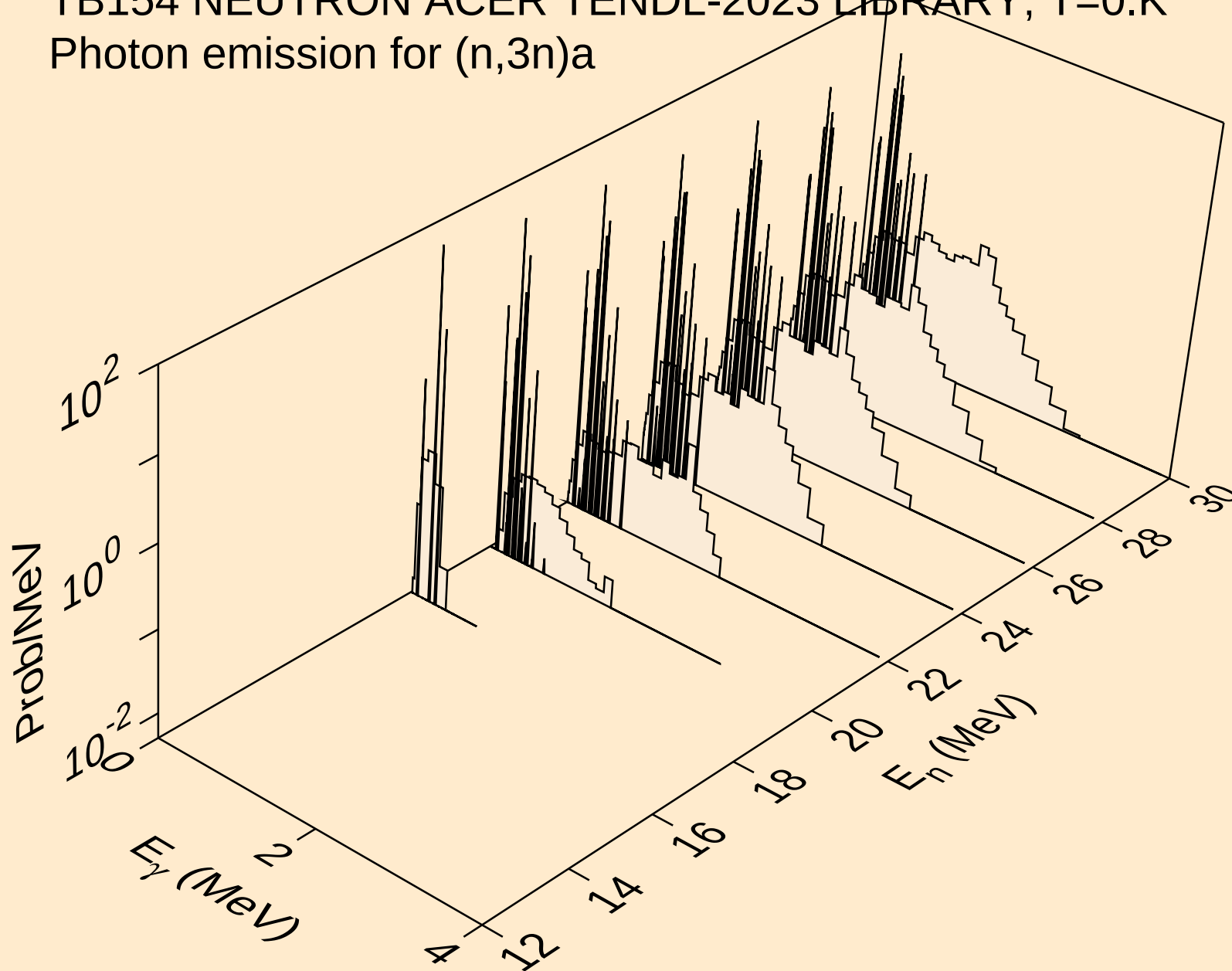


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n) α



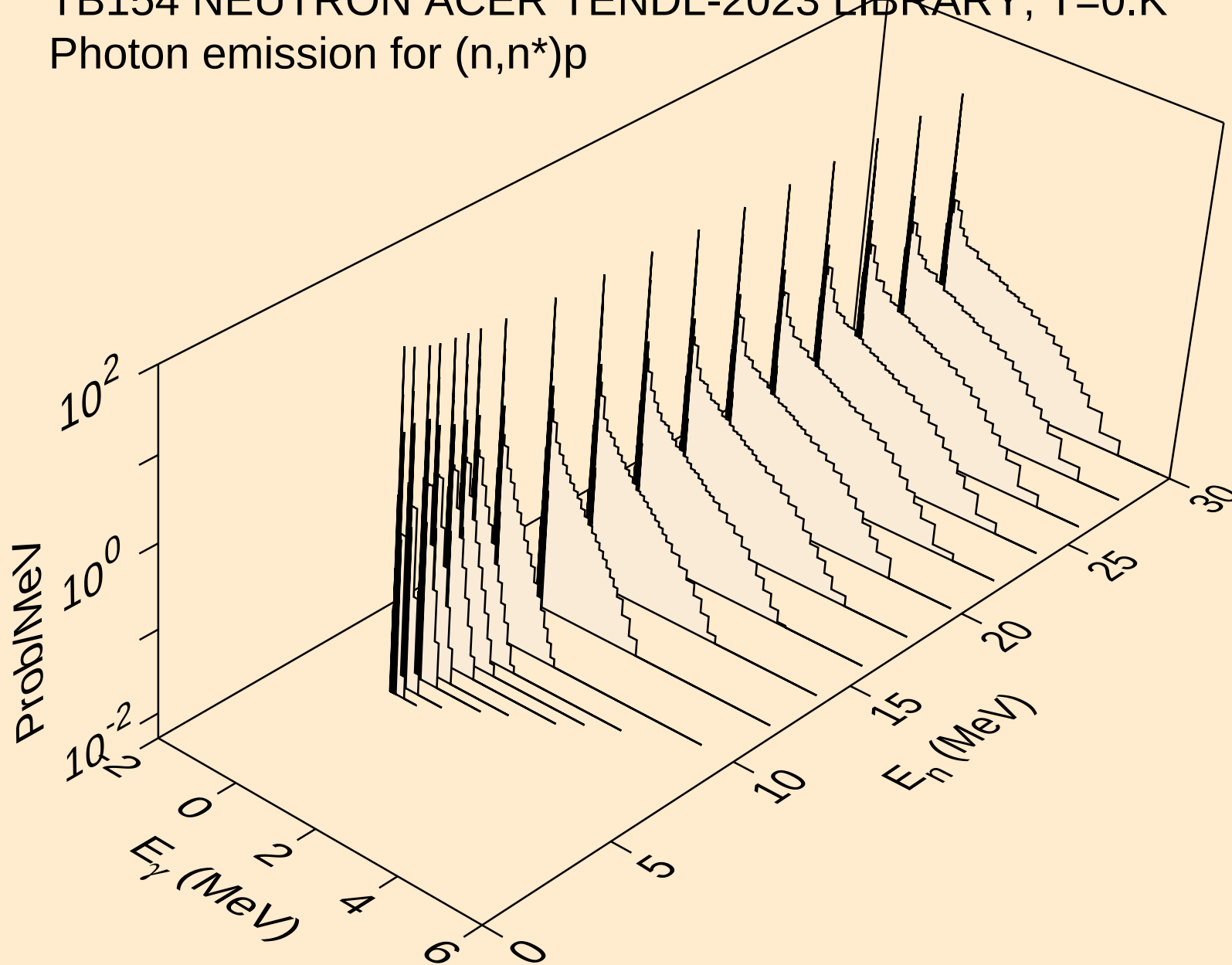
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Photon emission for (n,3n)a



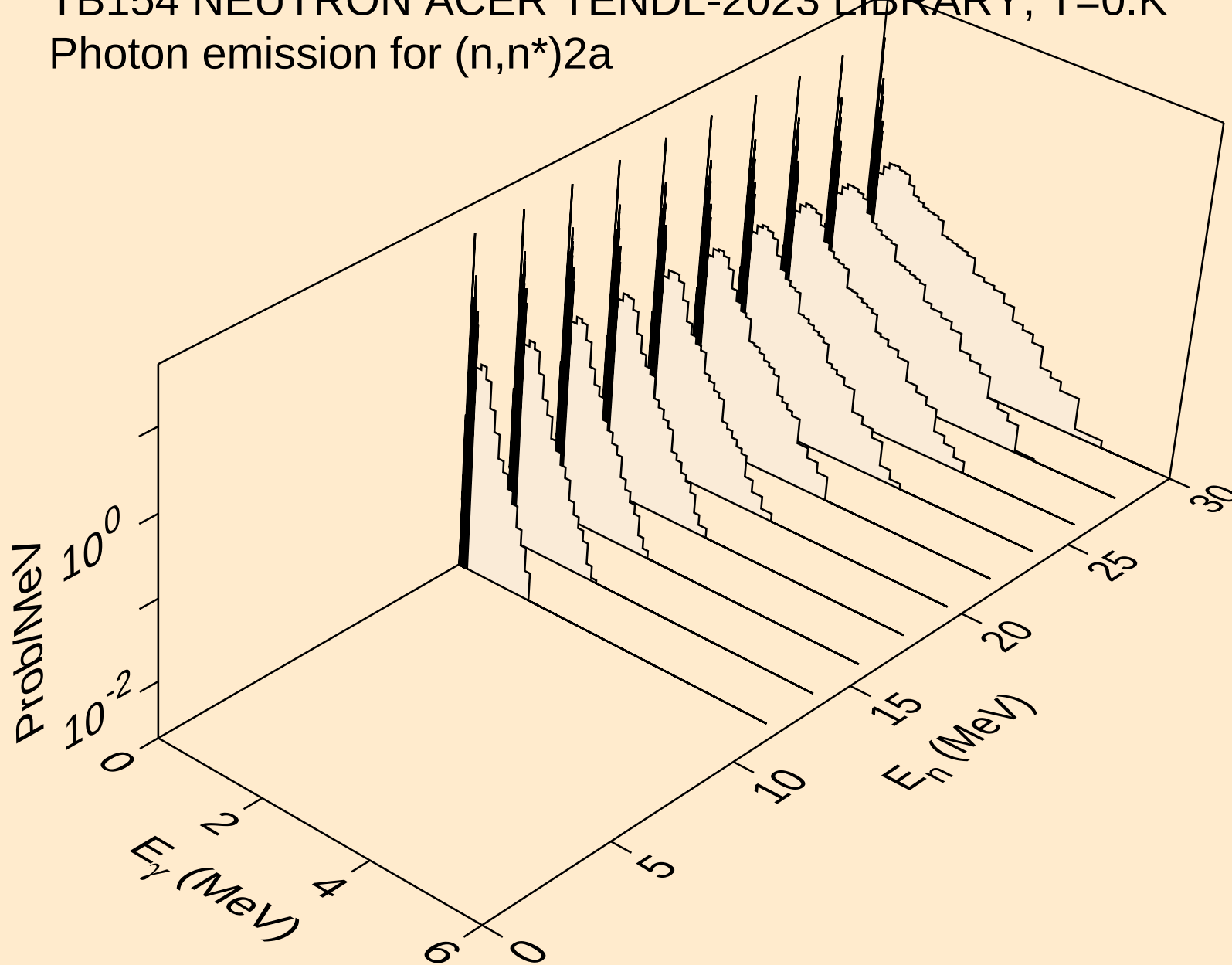
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p

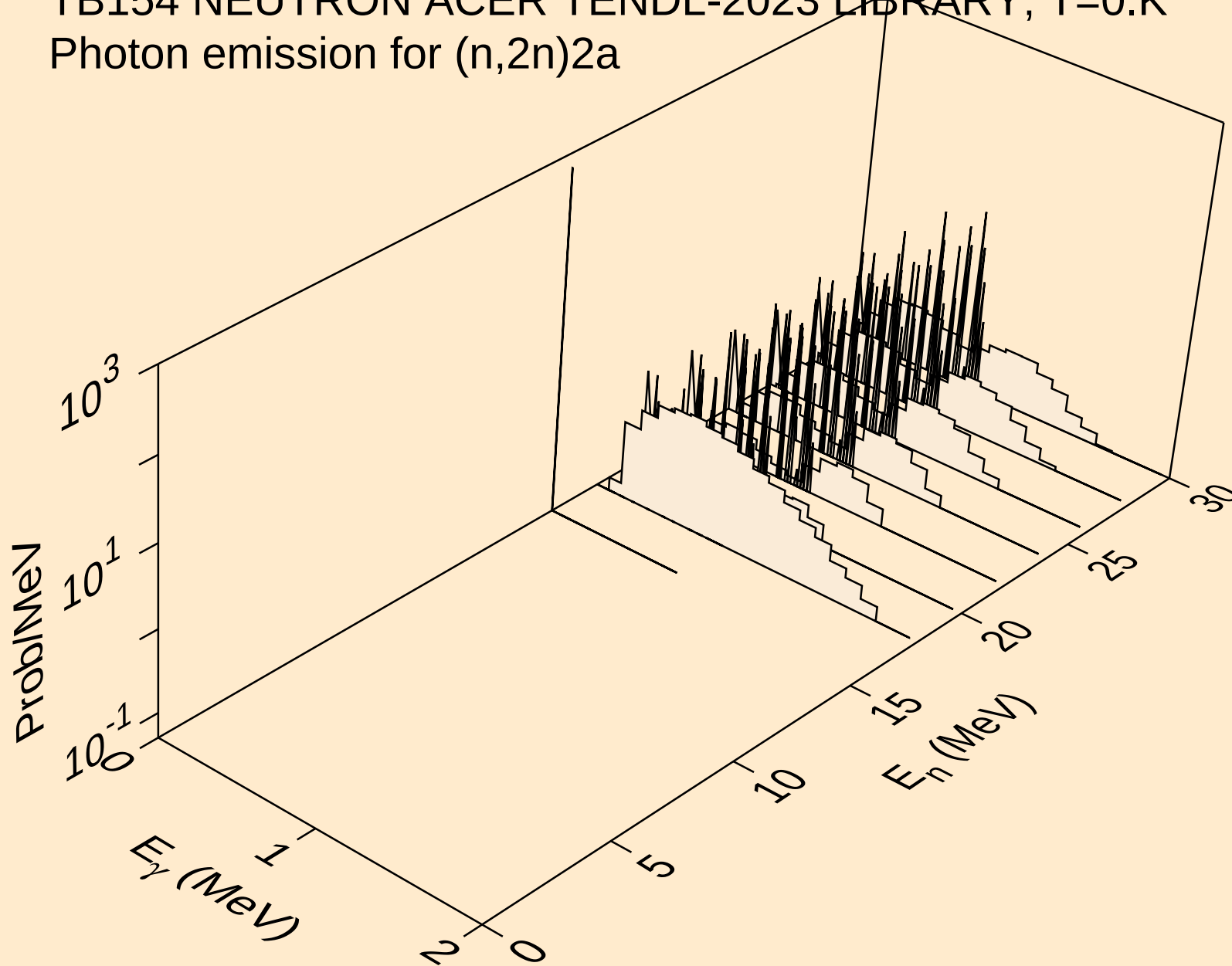


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a

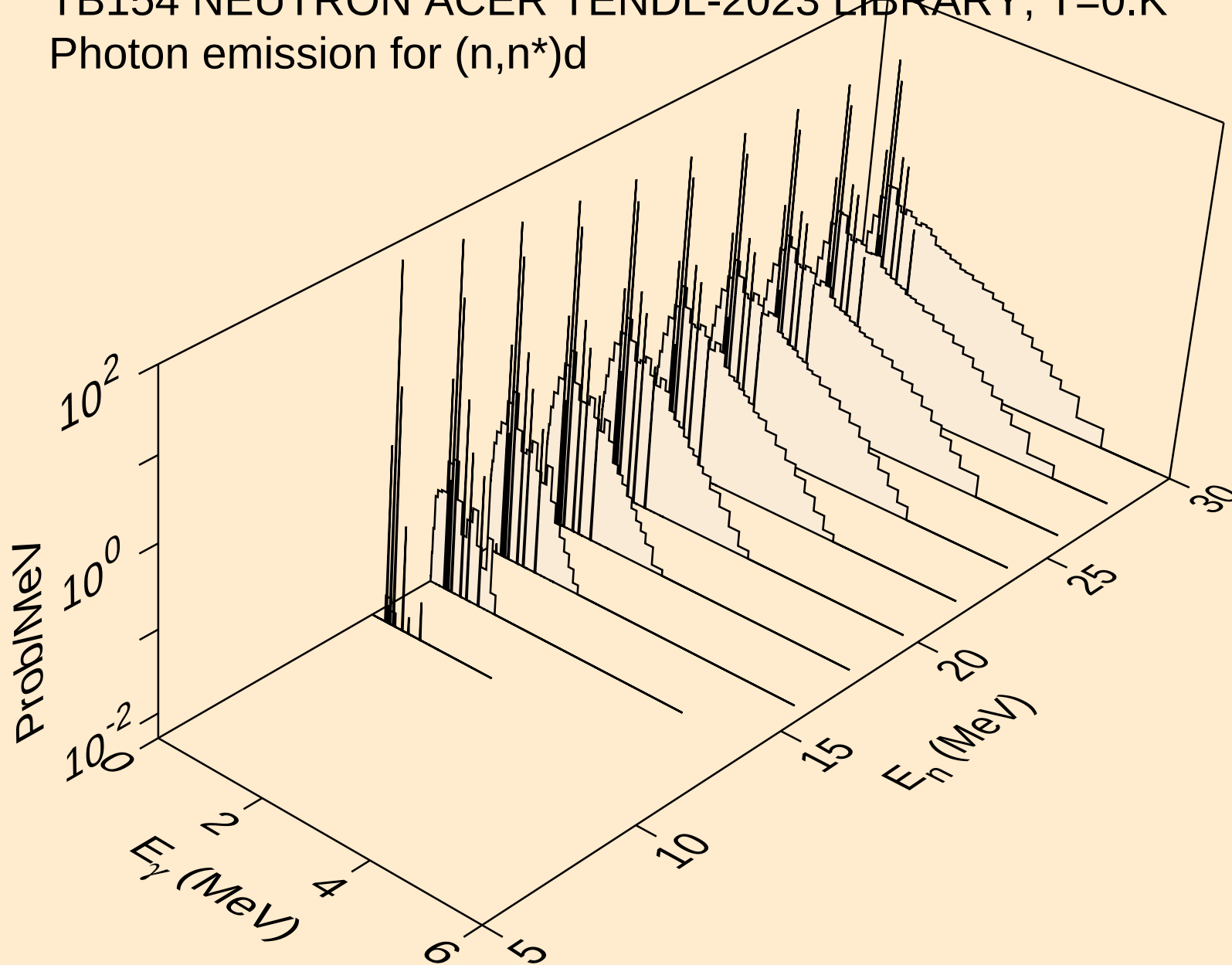


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)2a

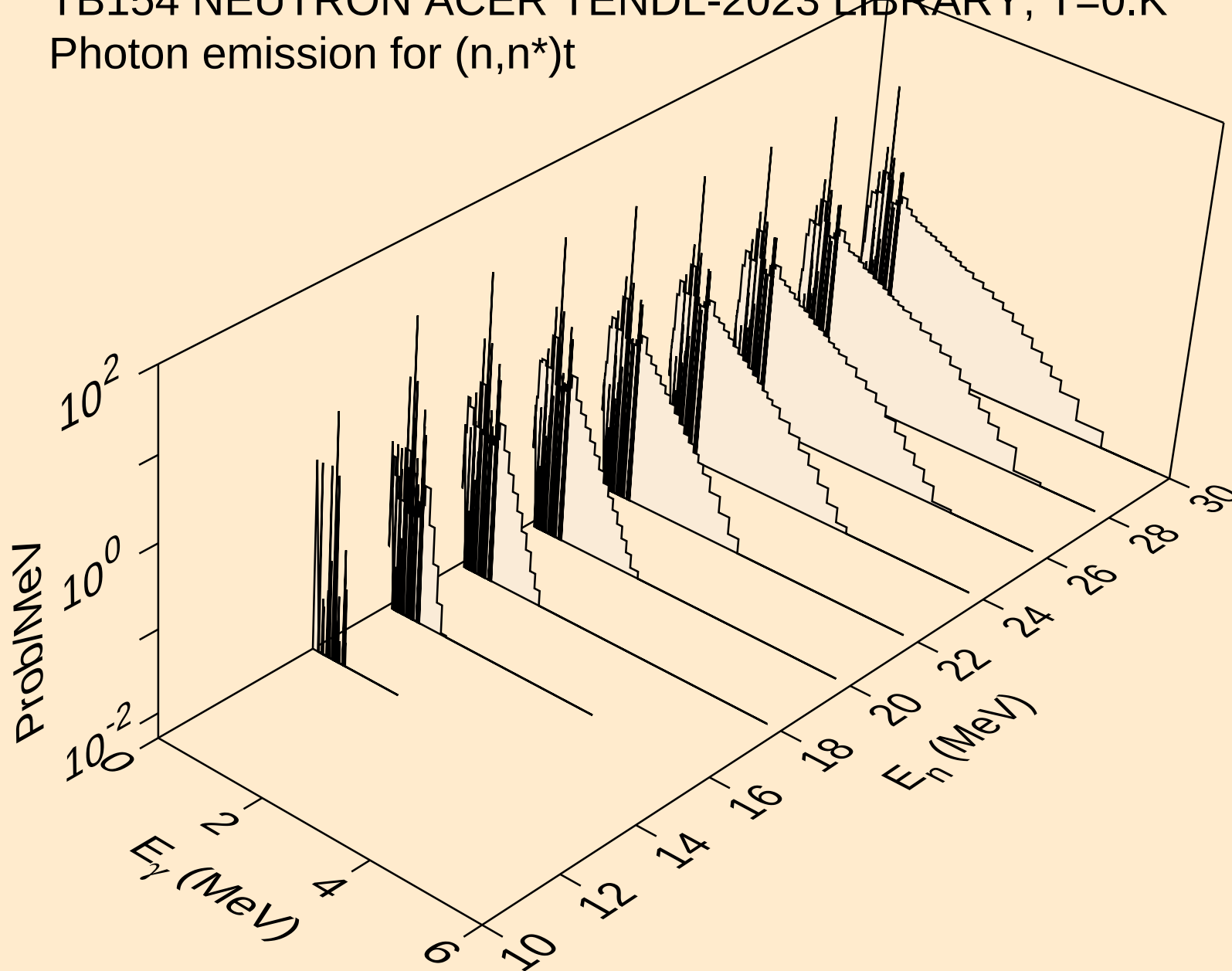


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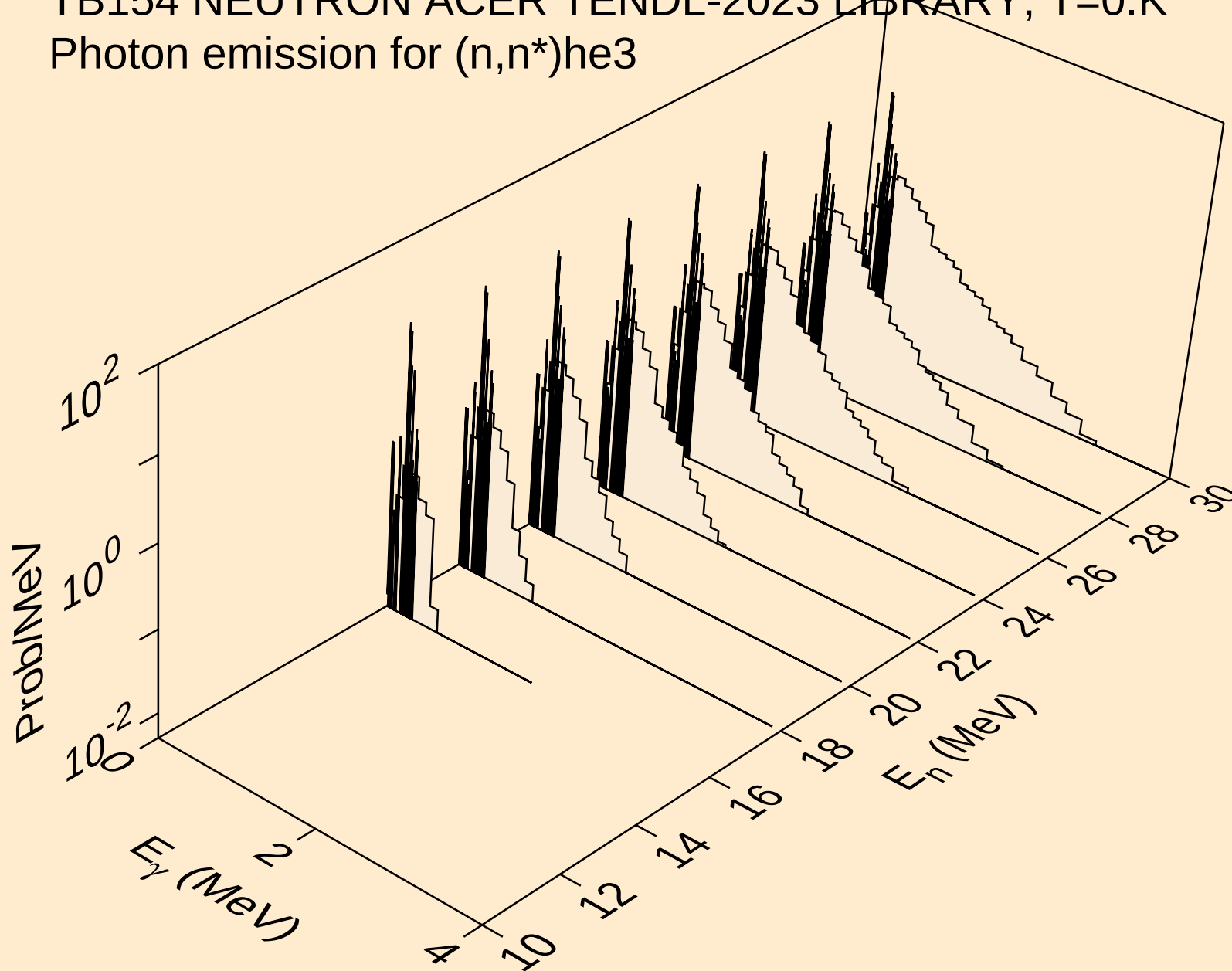
Photon emission for (n,n*)d



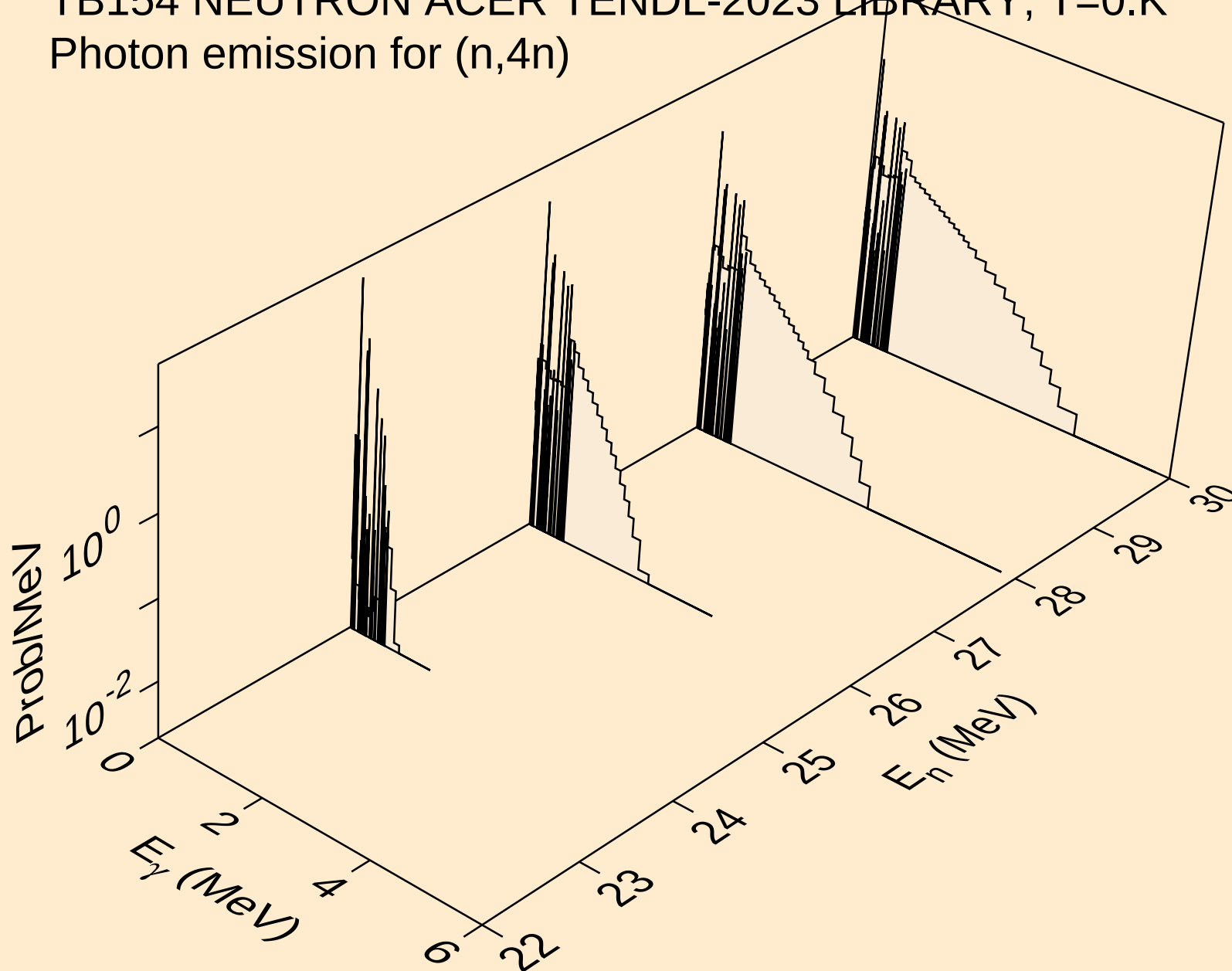
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



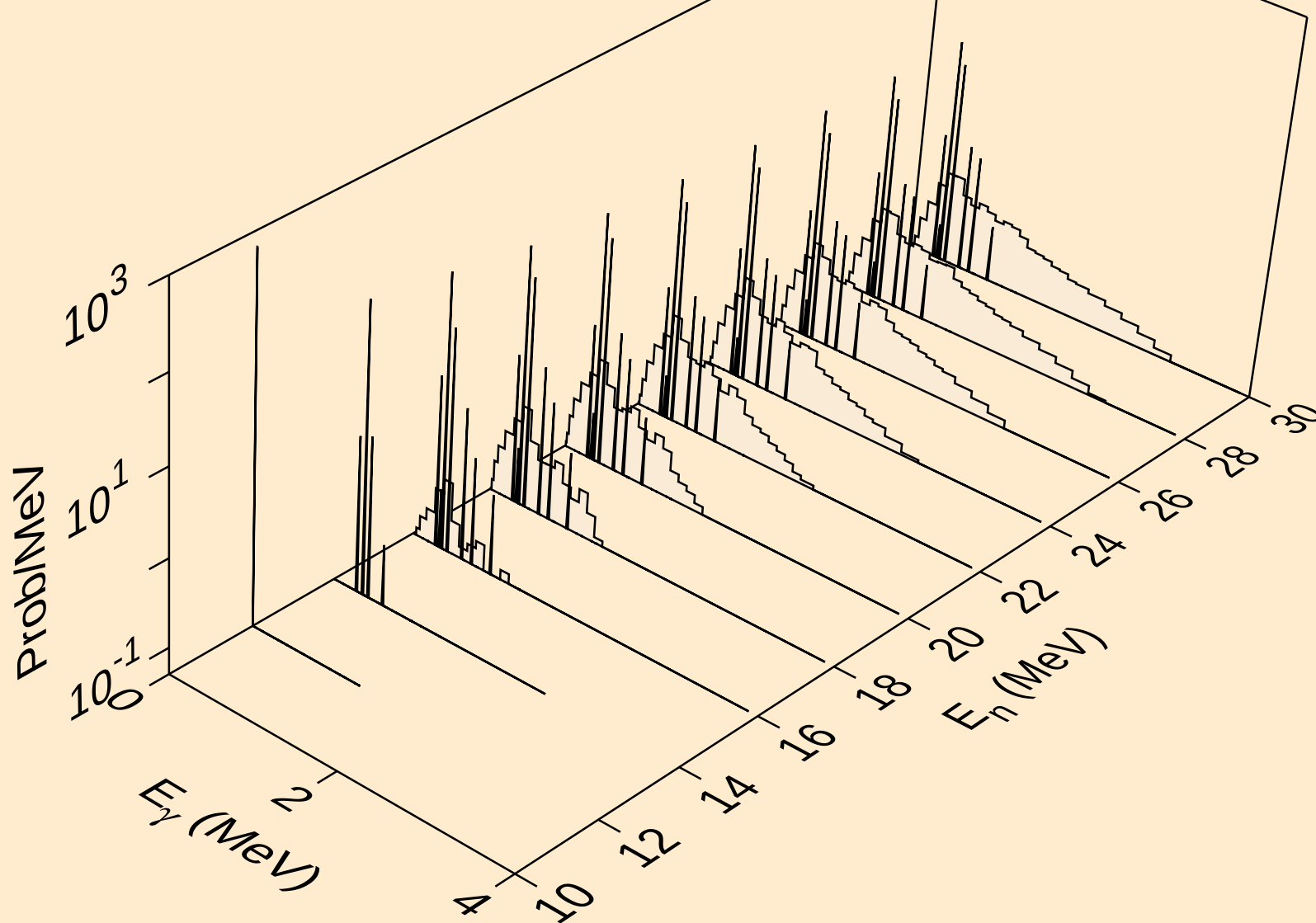
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



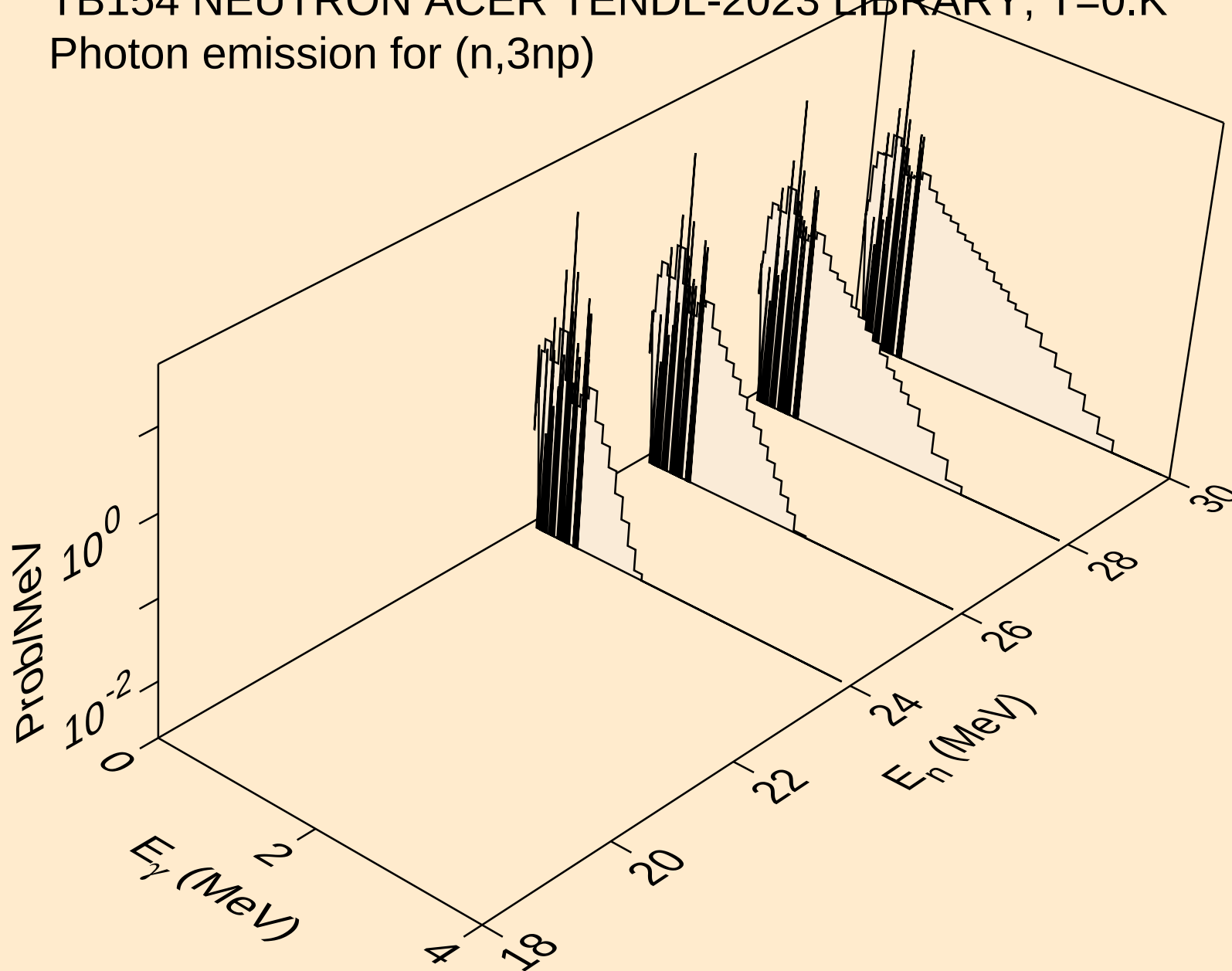
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



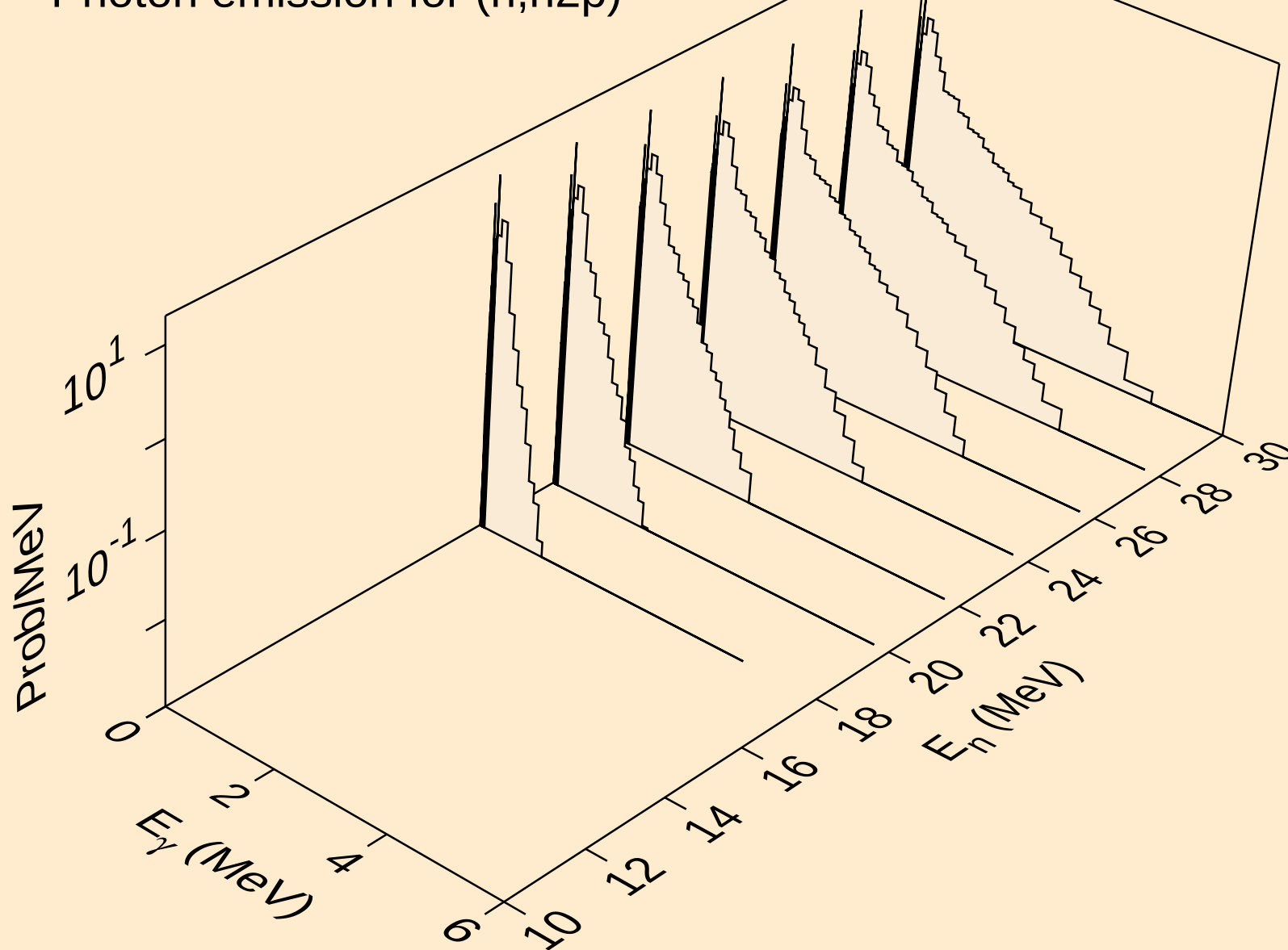
TB154 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



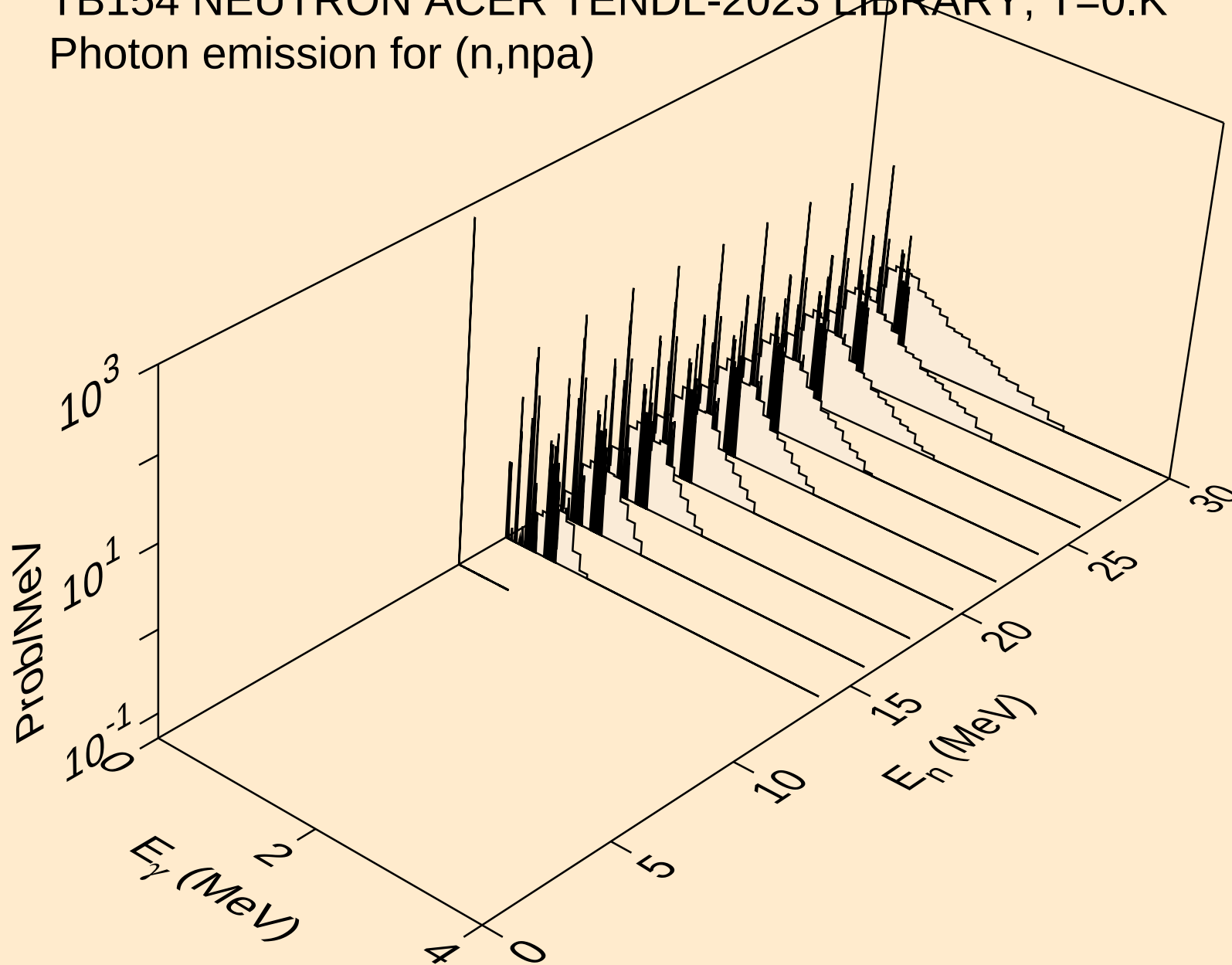
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Photon emission for (n,3np)



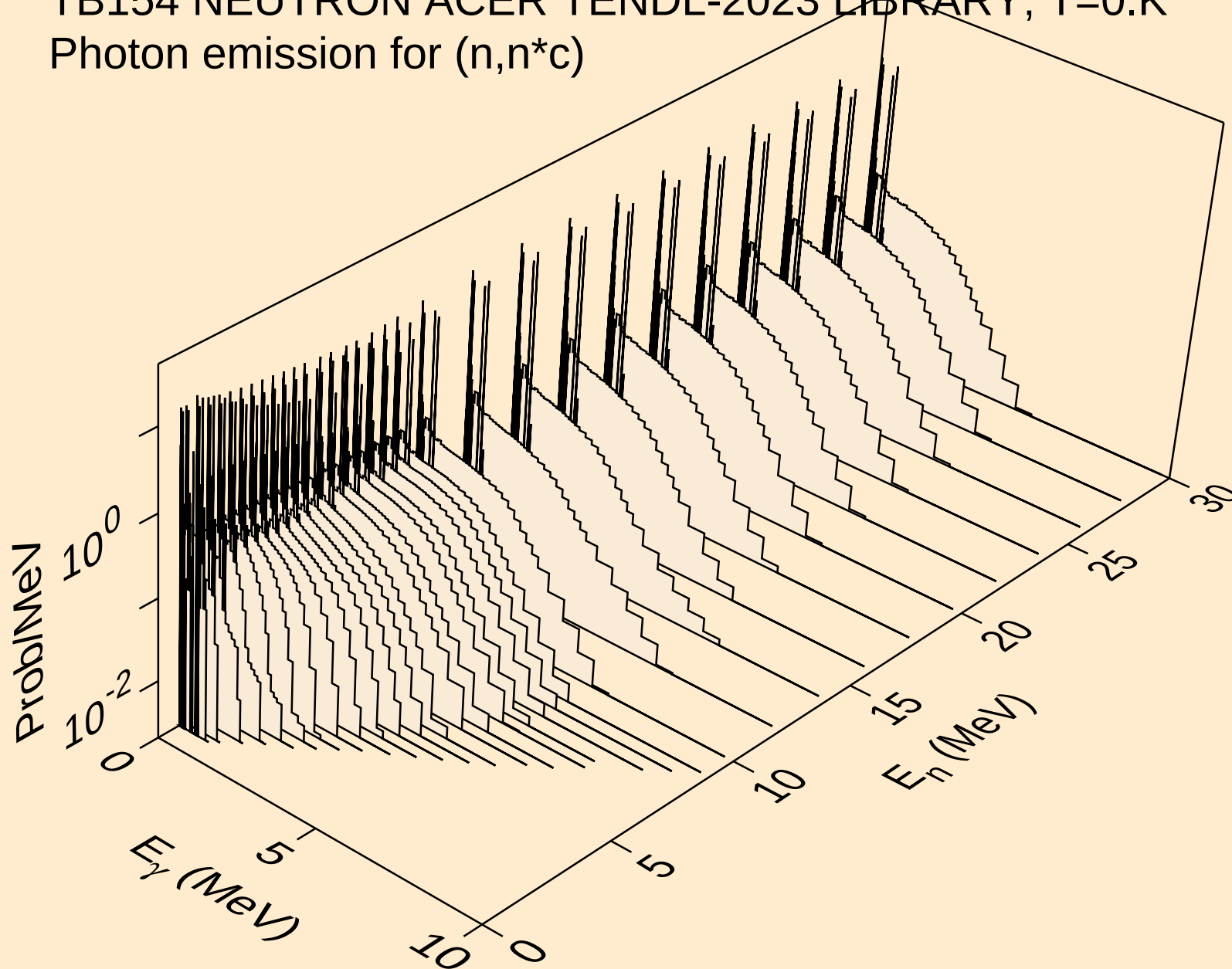
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



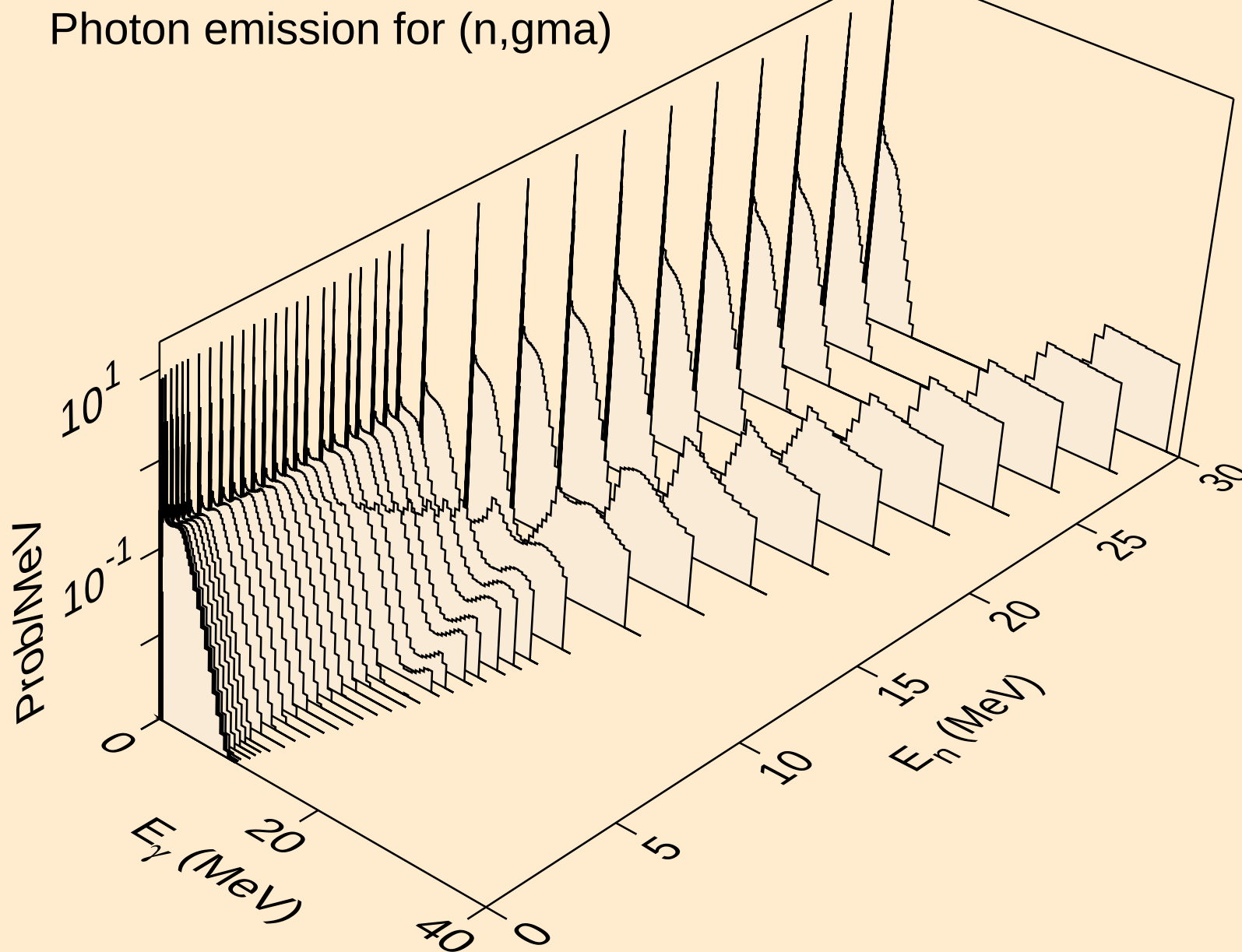
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



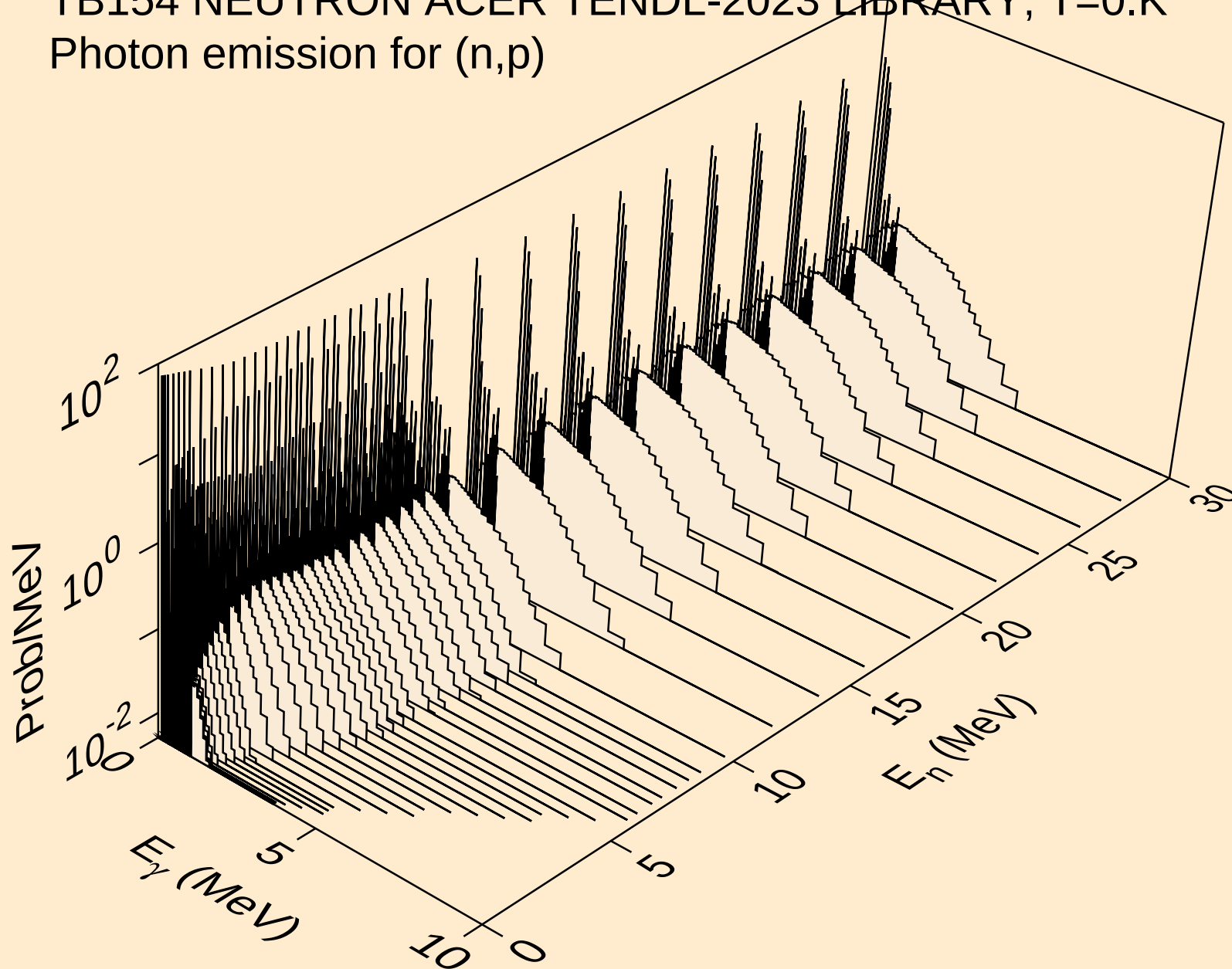
TB154 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,n*c)



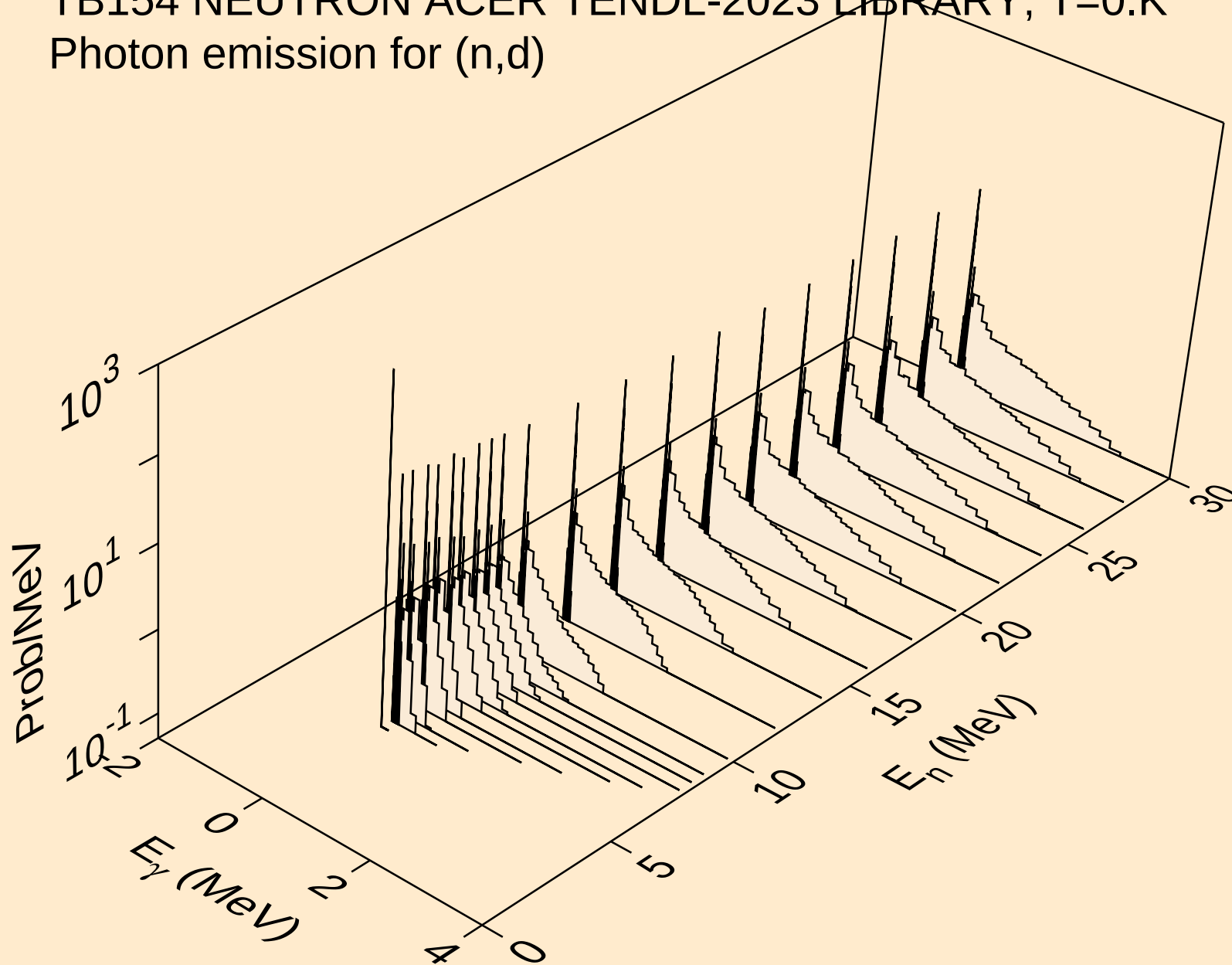
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



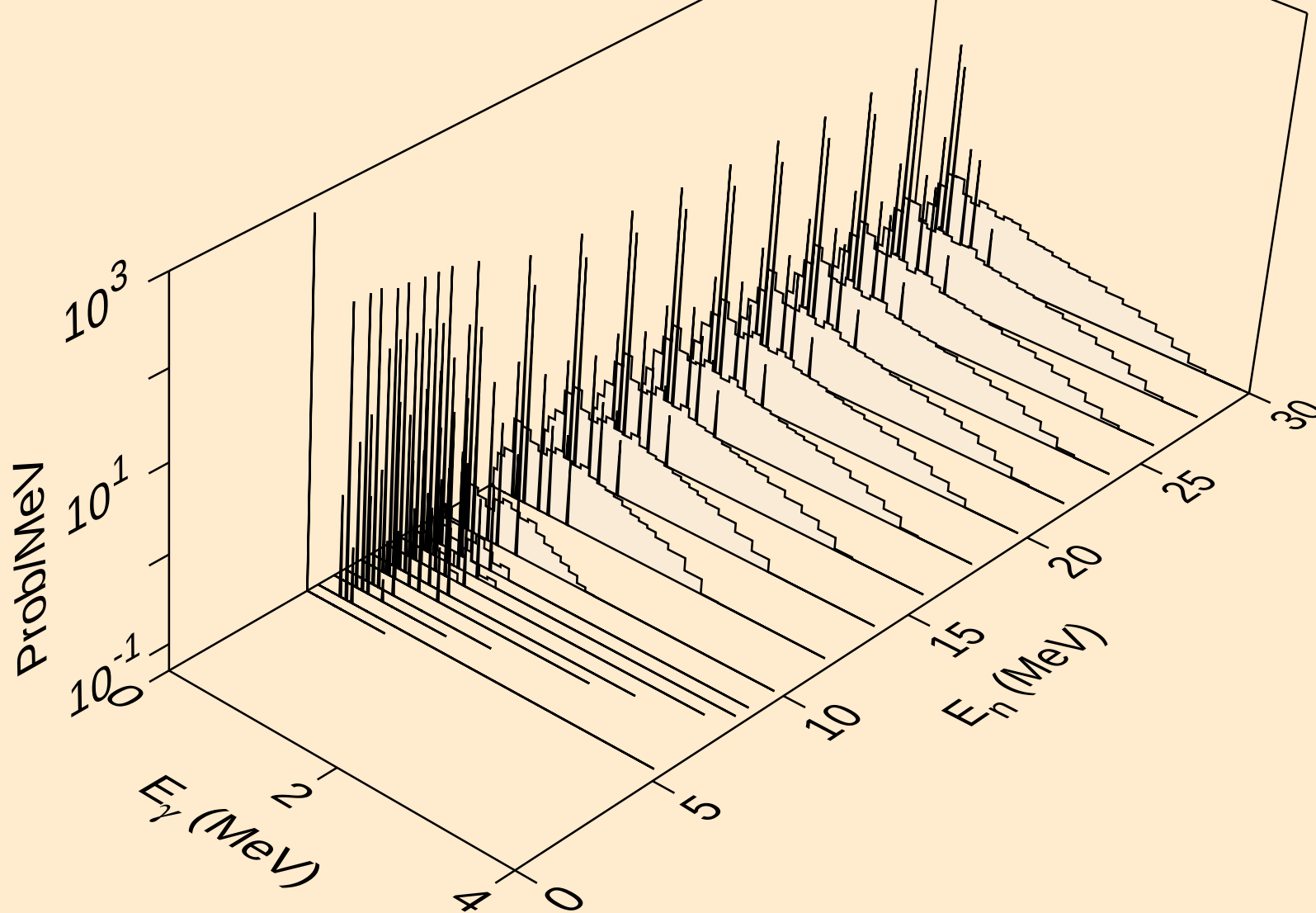
TB154 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,p)



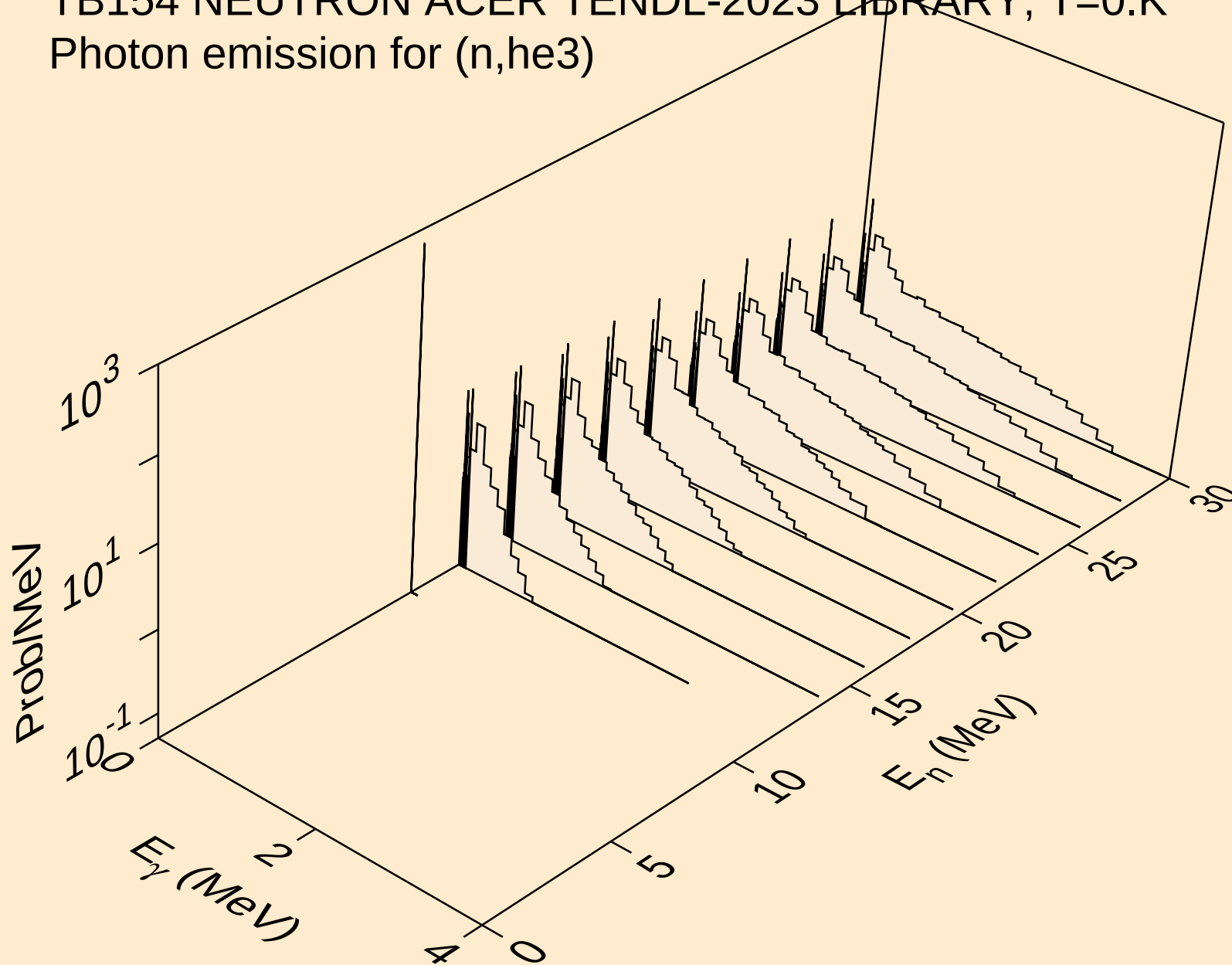
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Photon emission for (n,d)



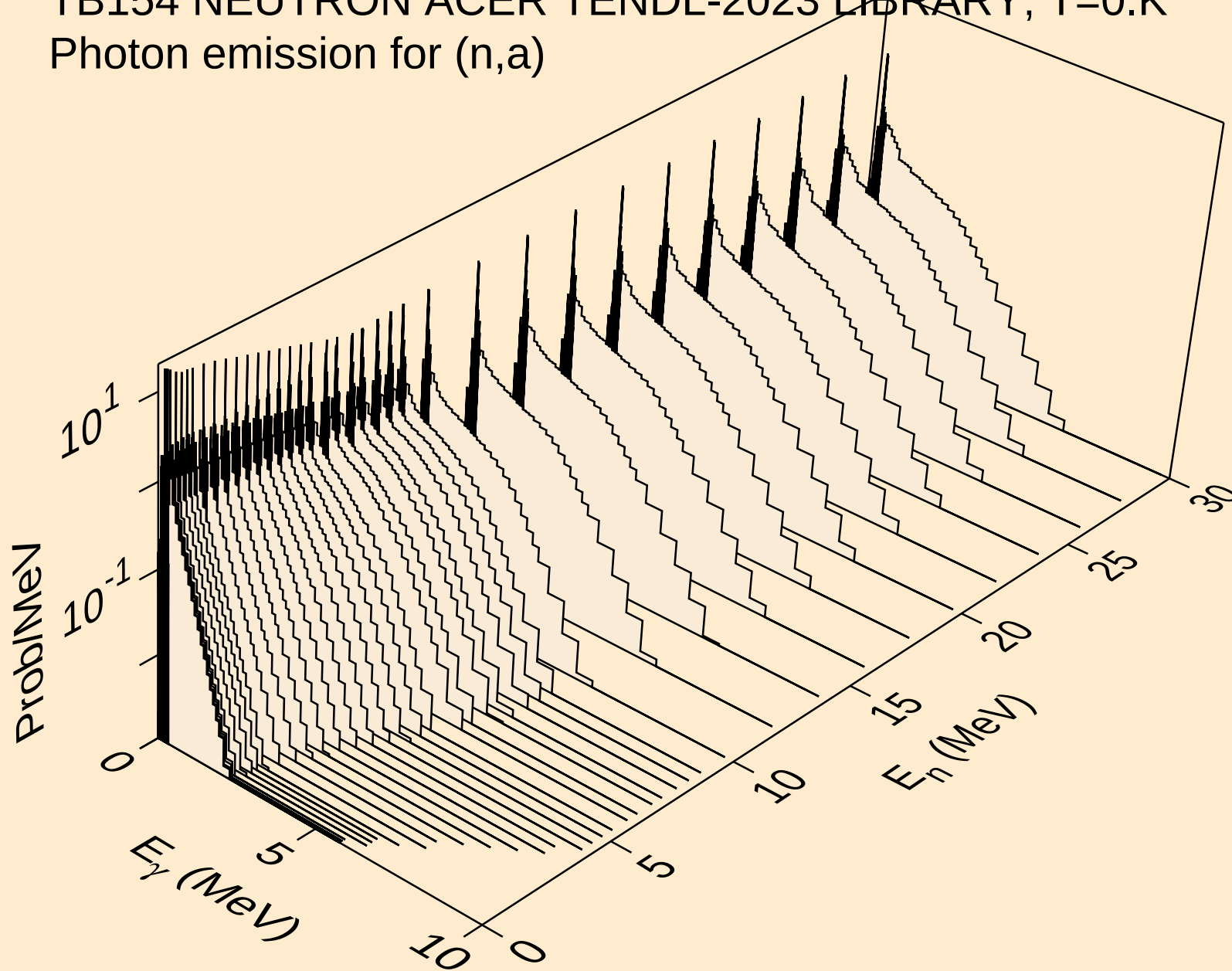
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



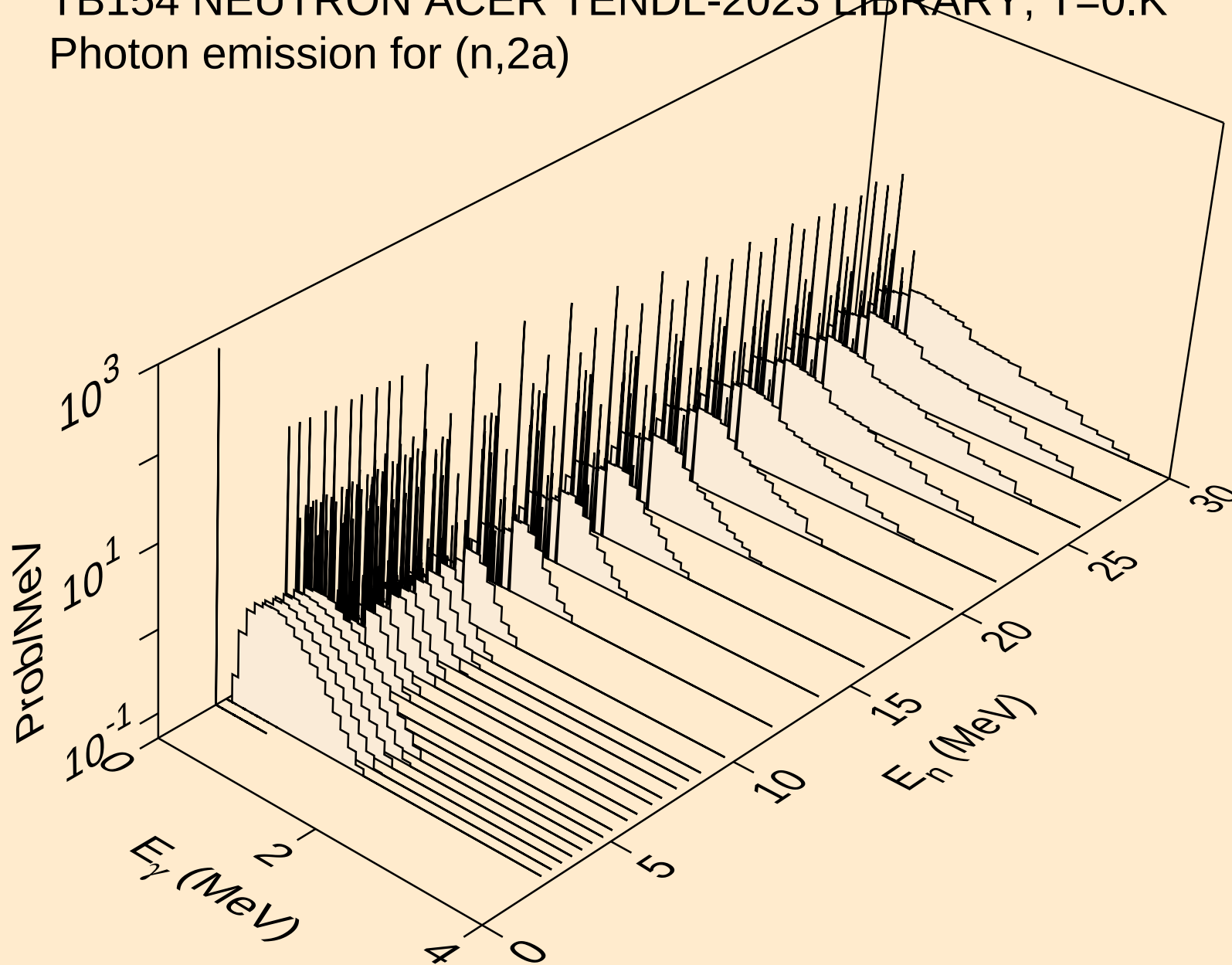
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



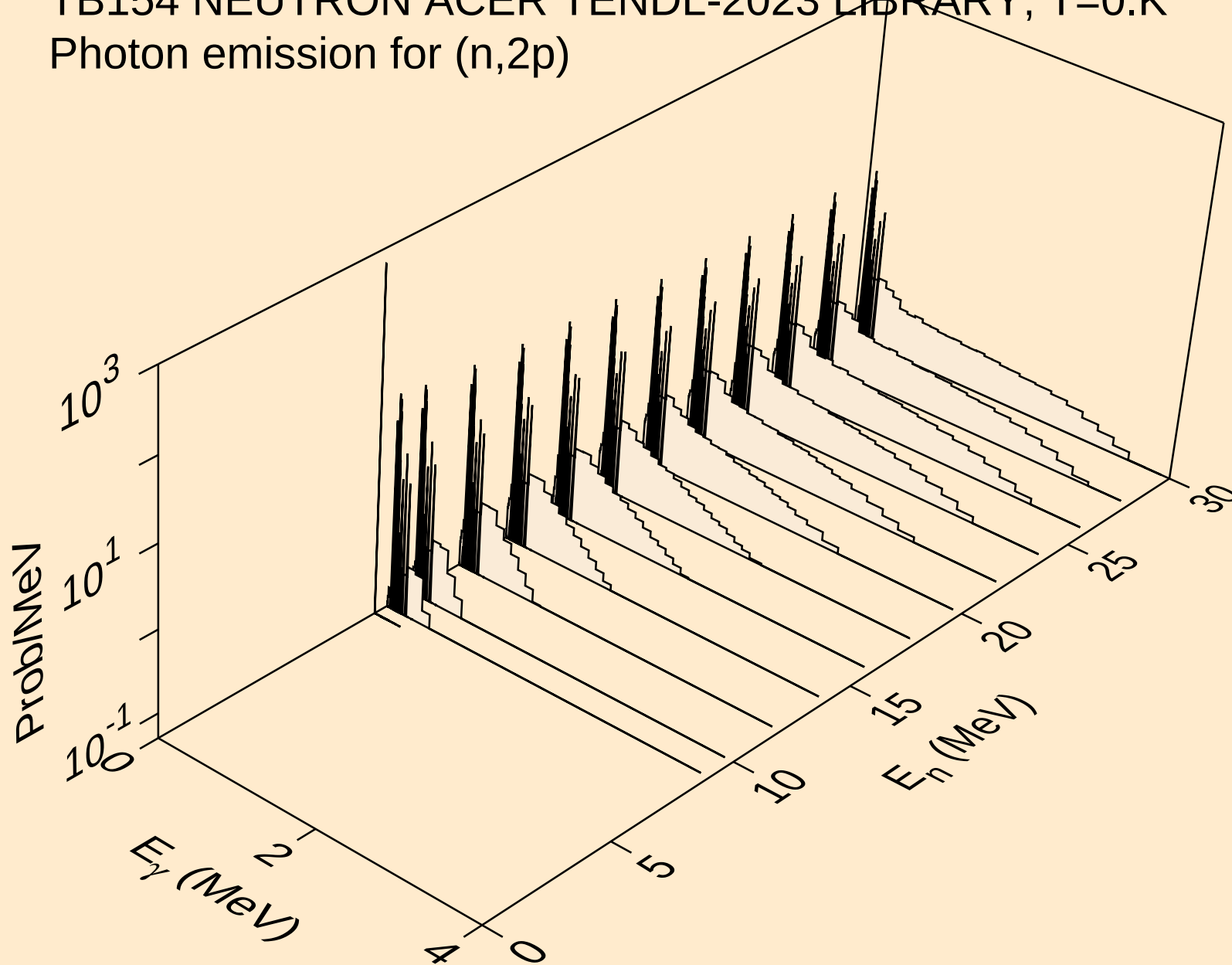
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



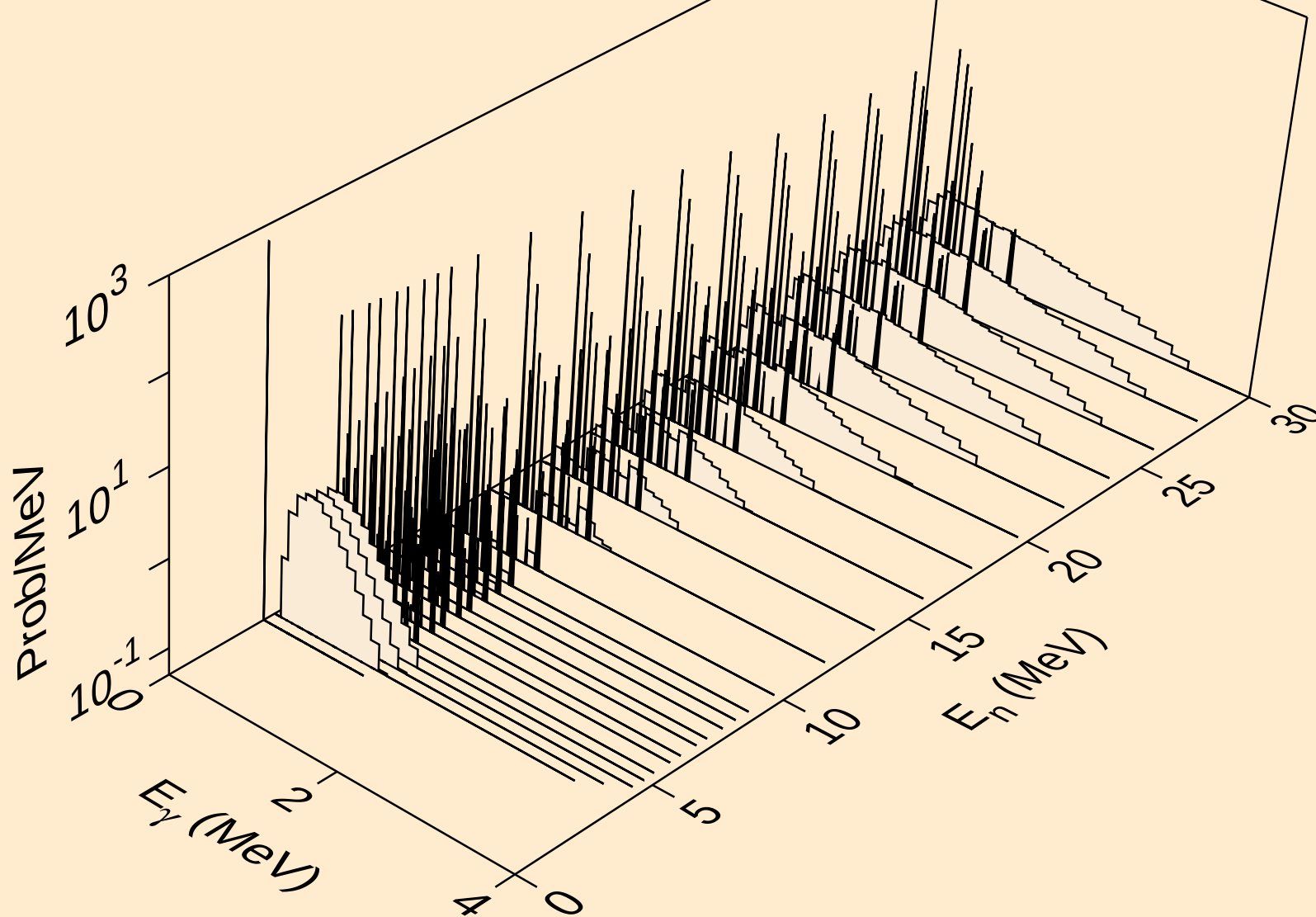
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



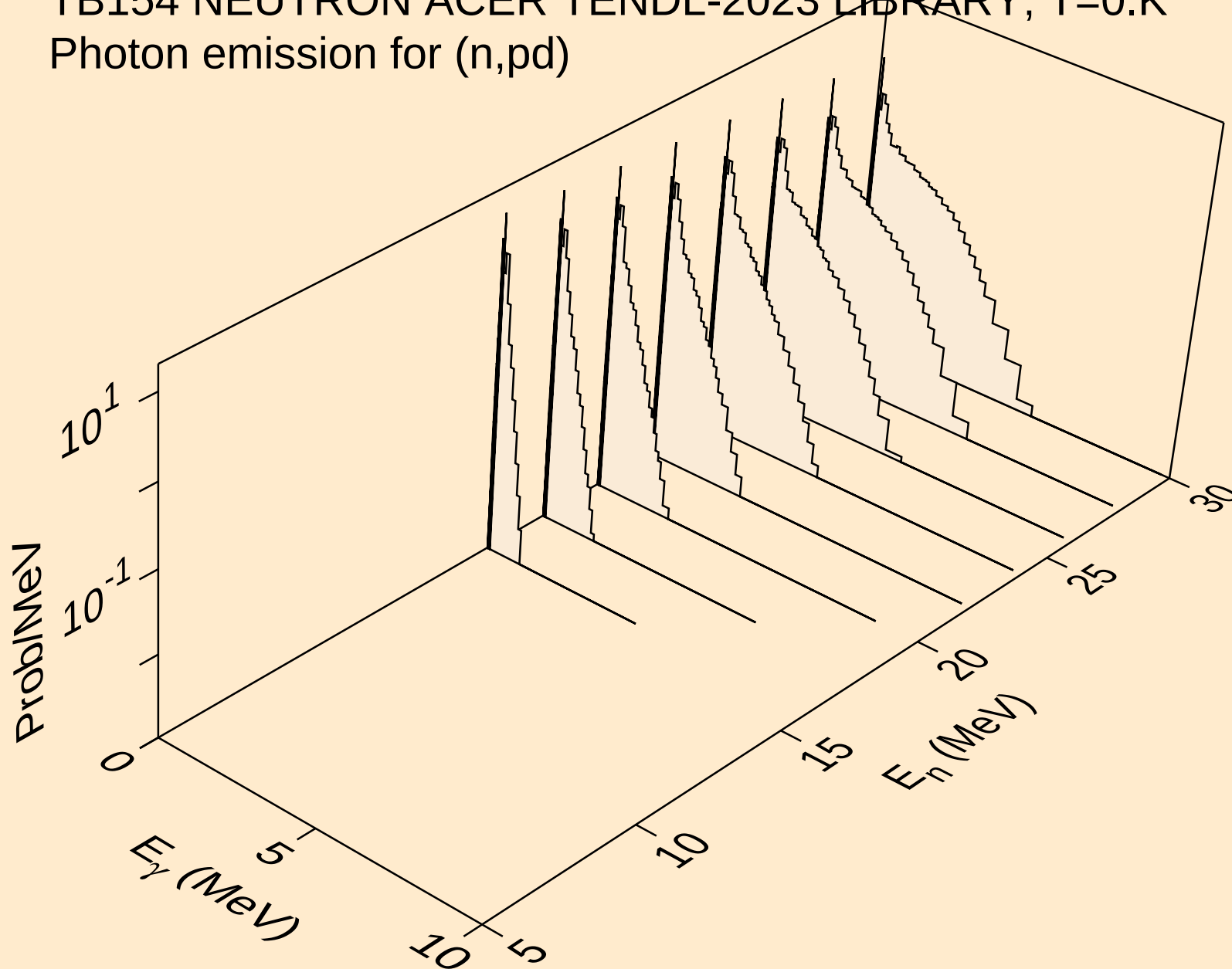
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Photon emission for (n,2p)



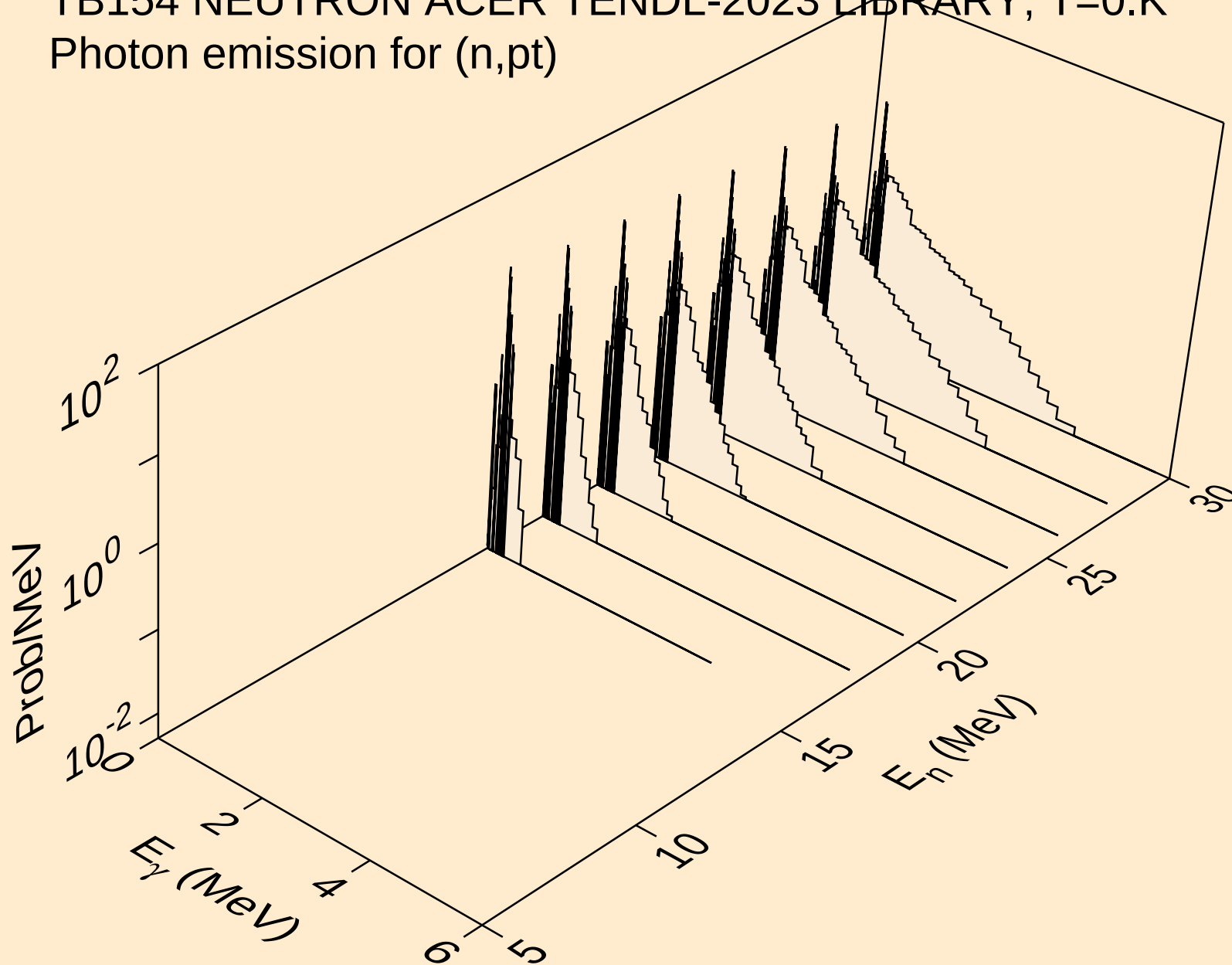
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Photon emission for (n,p α)



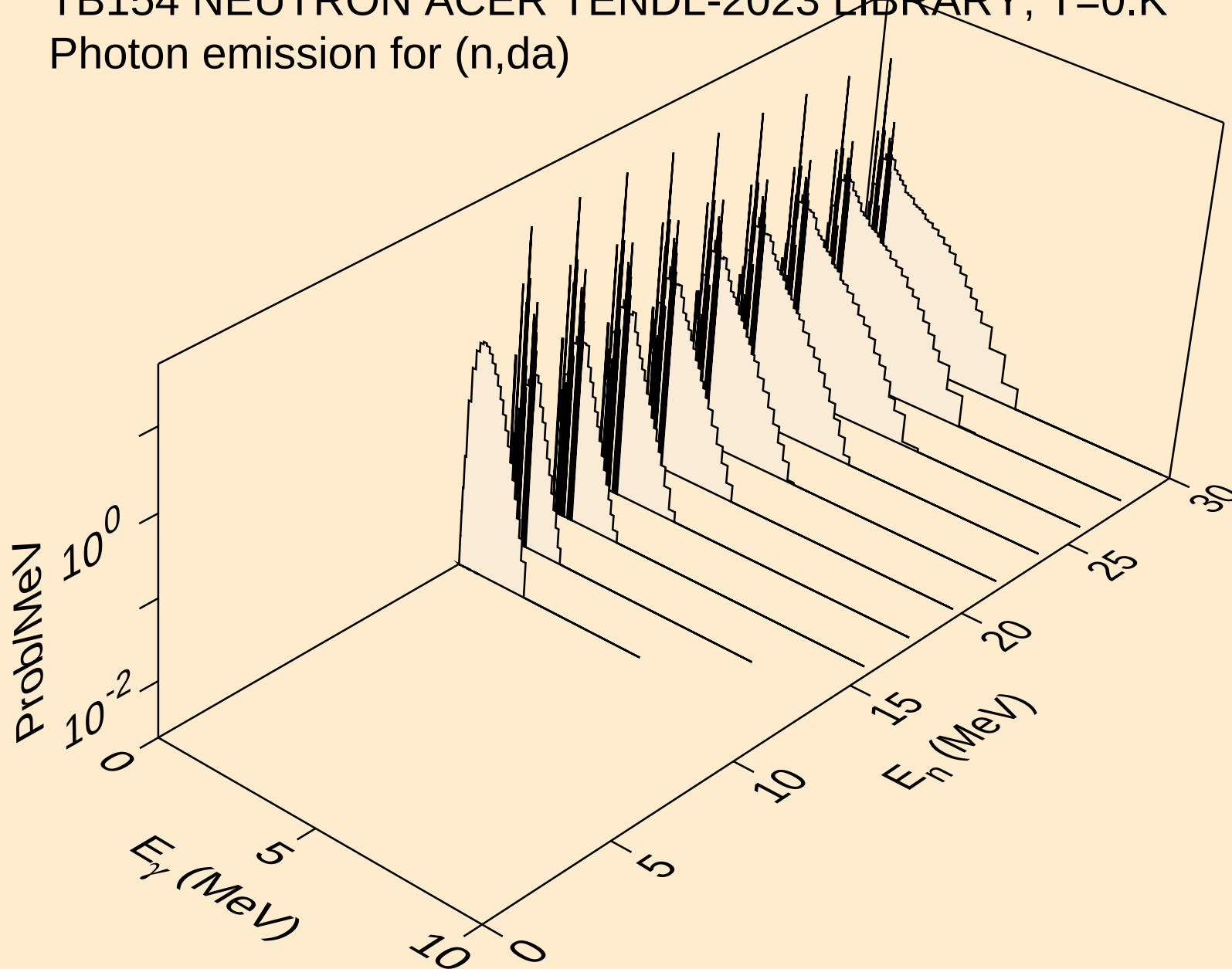
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



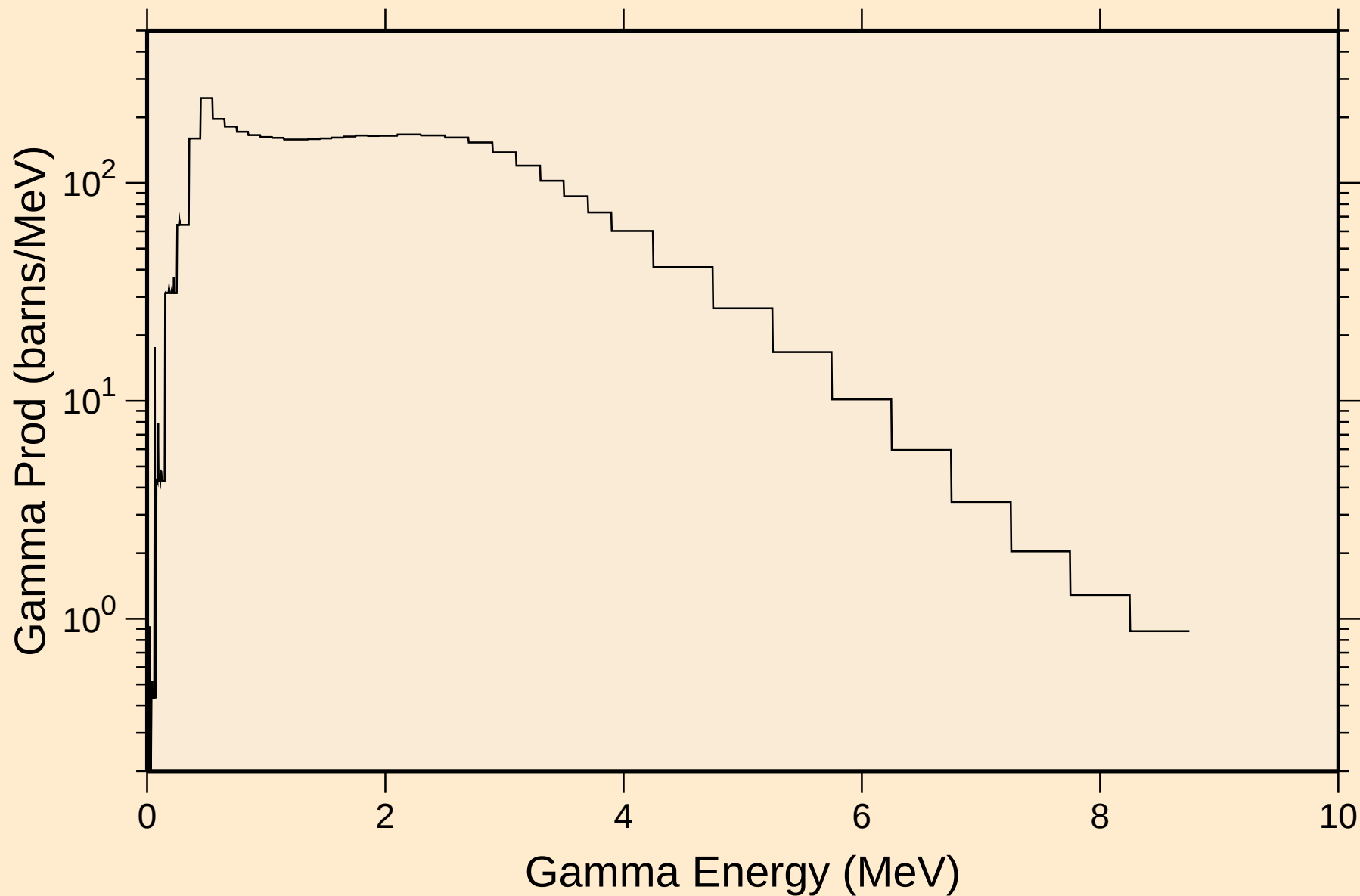
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Photon emission for (n,pt)



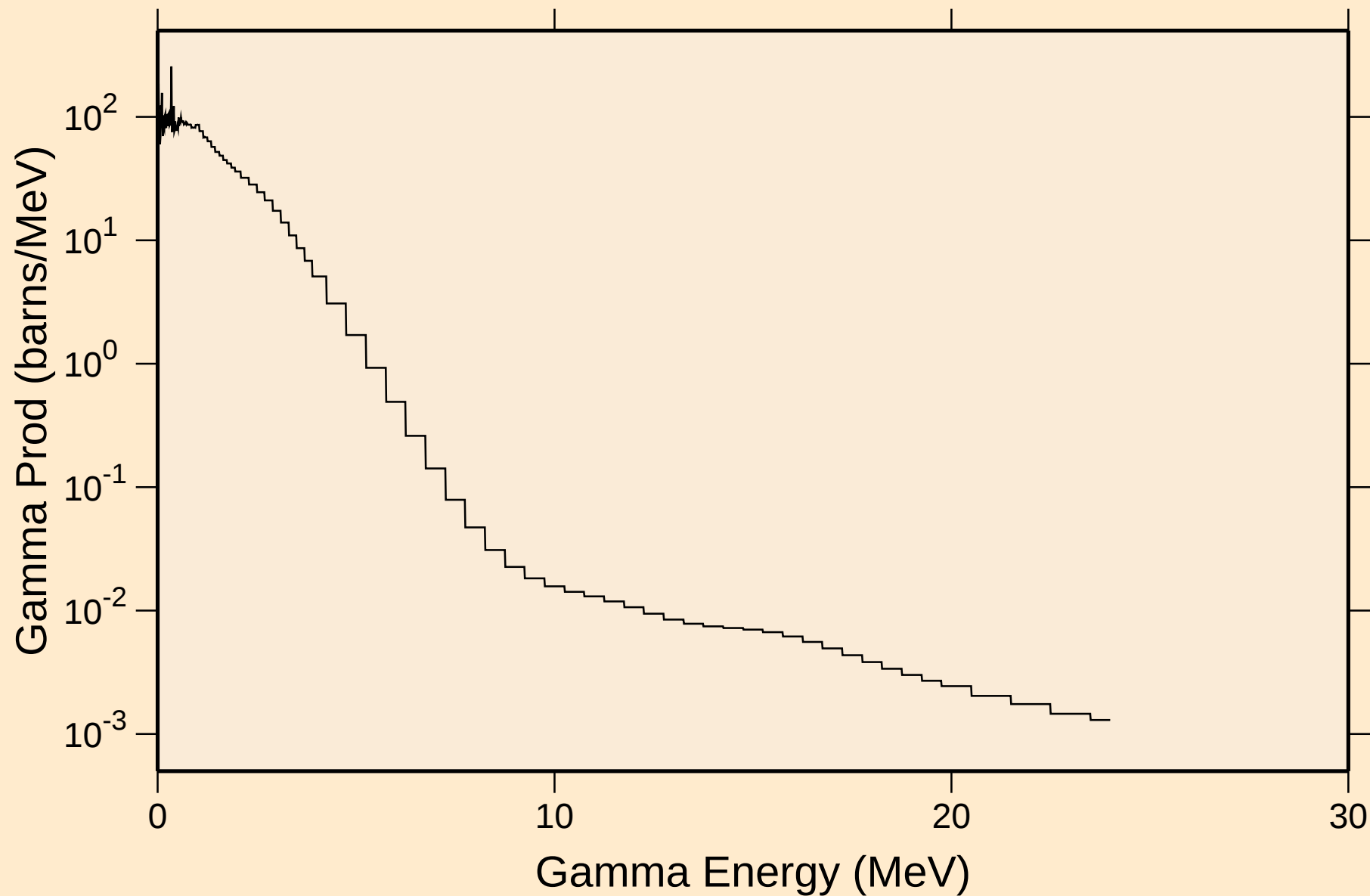
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

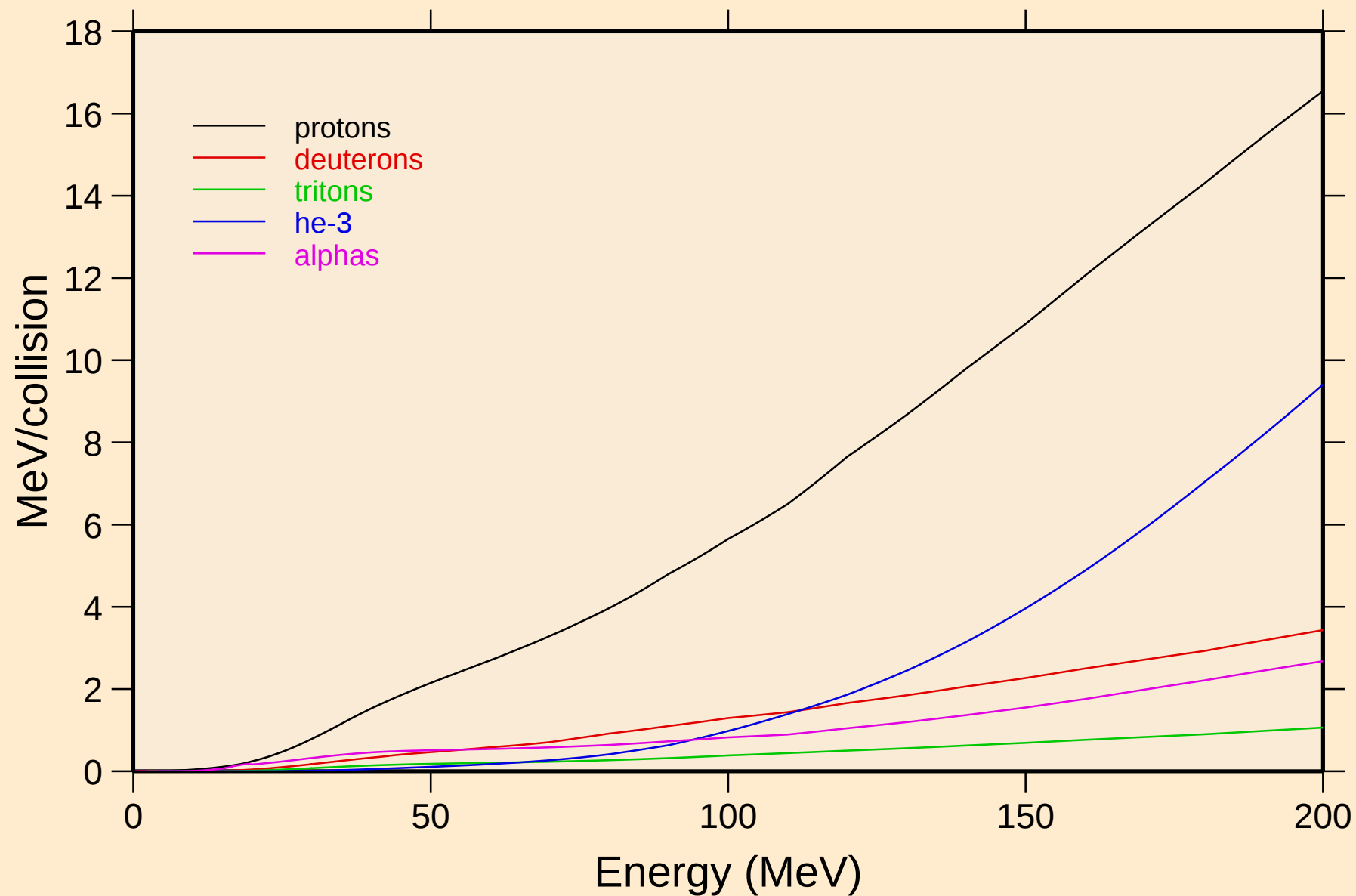


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

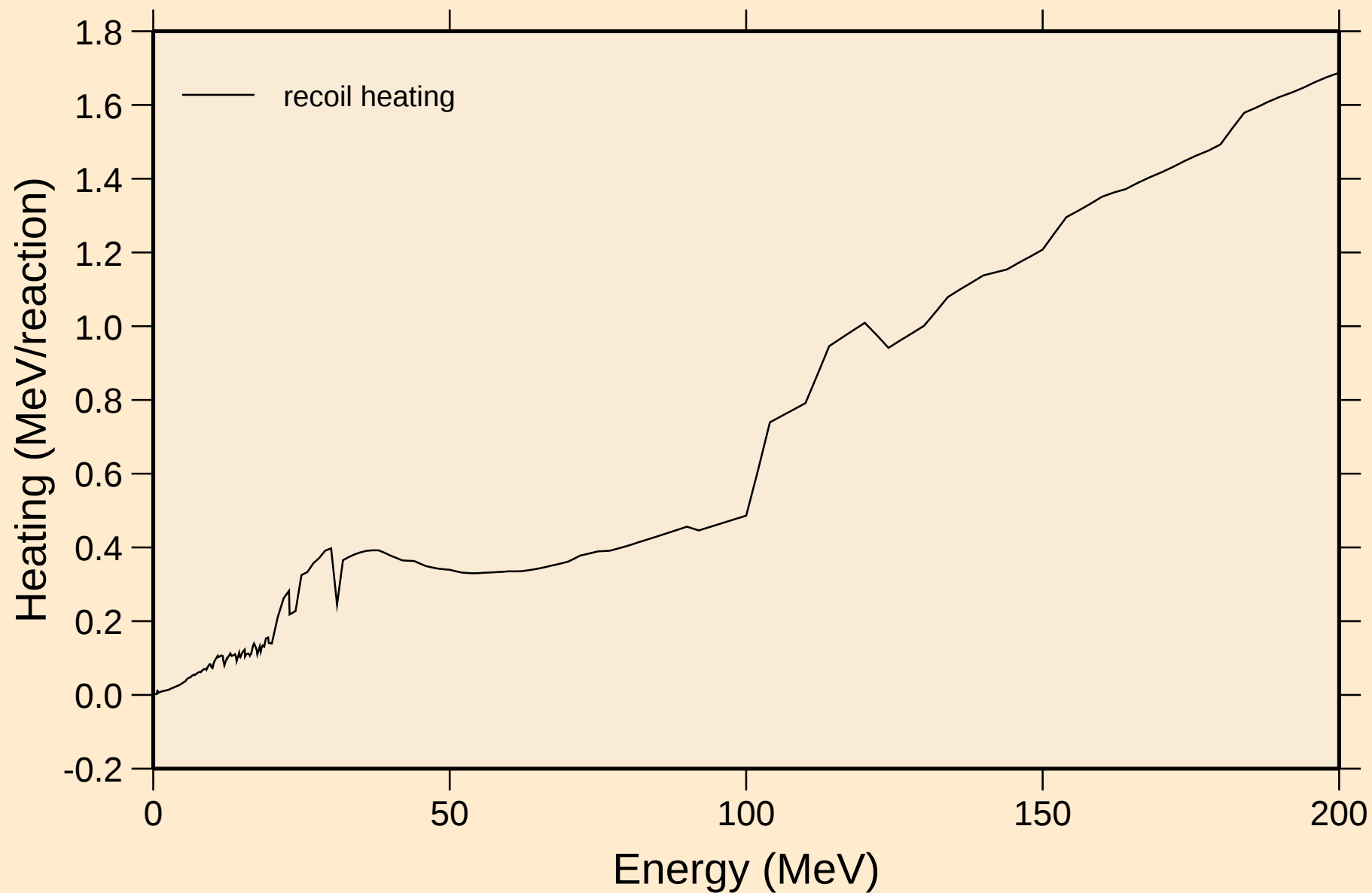


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

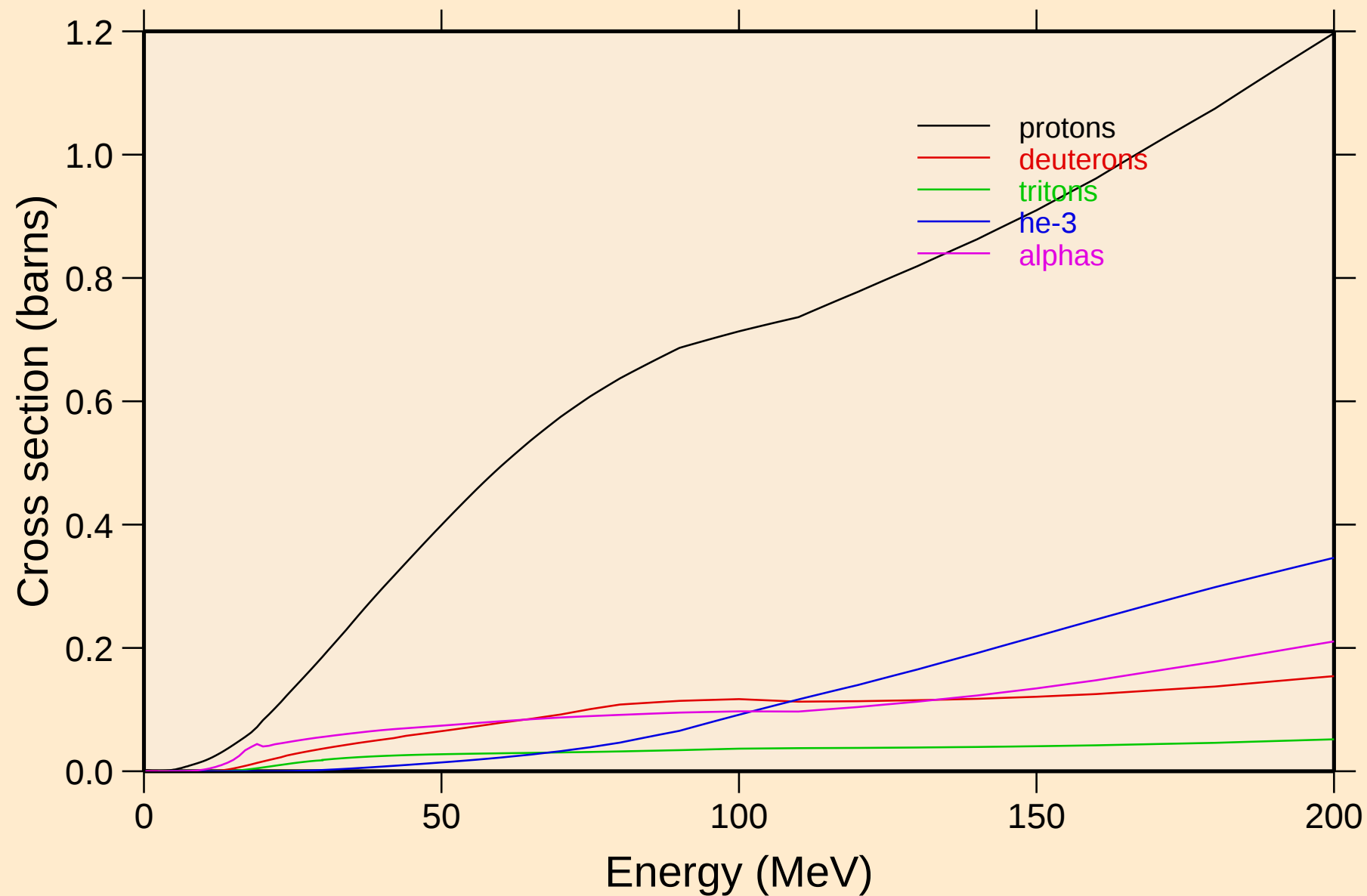


TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

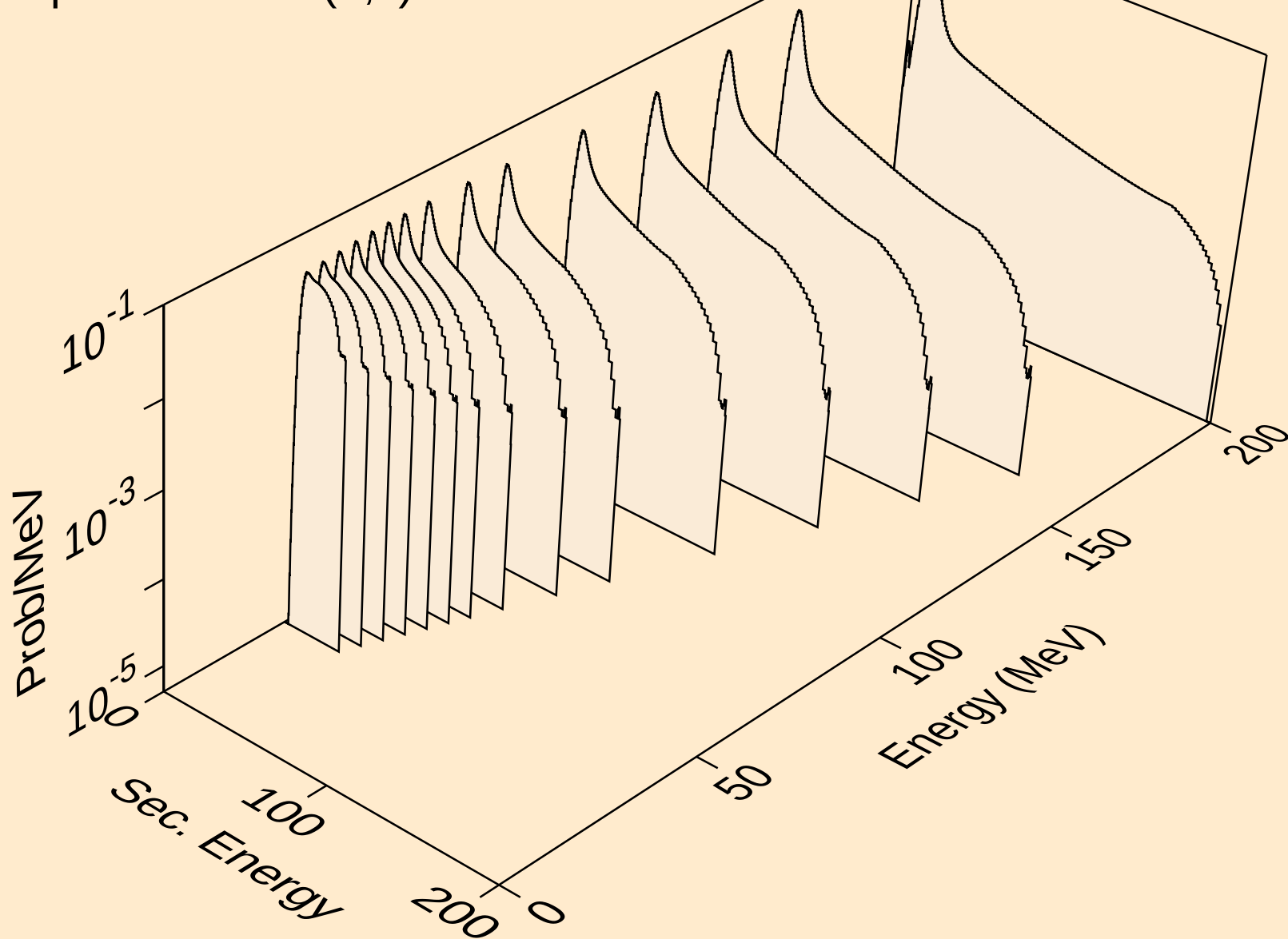


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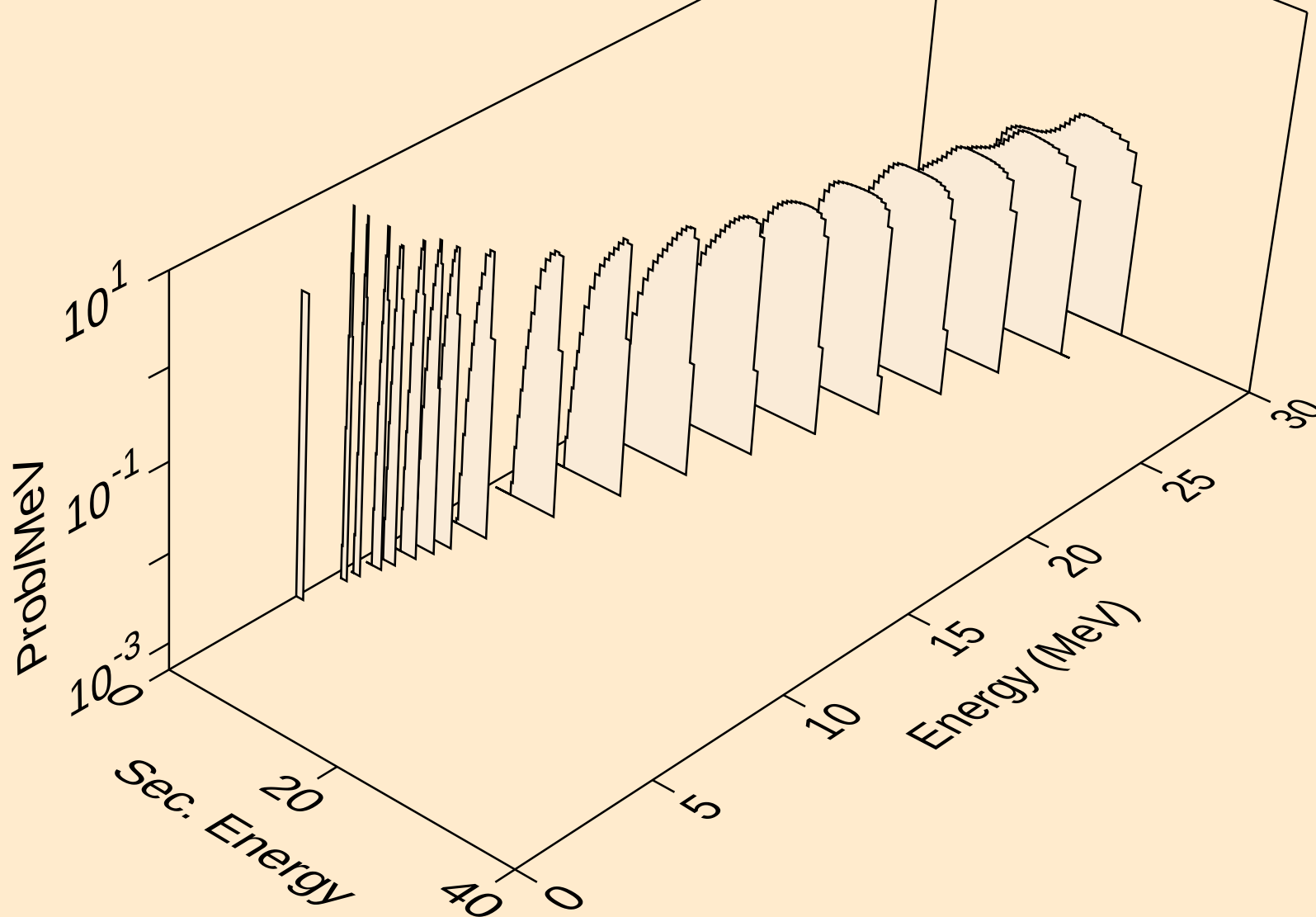
Particle production cross sections



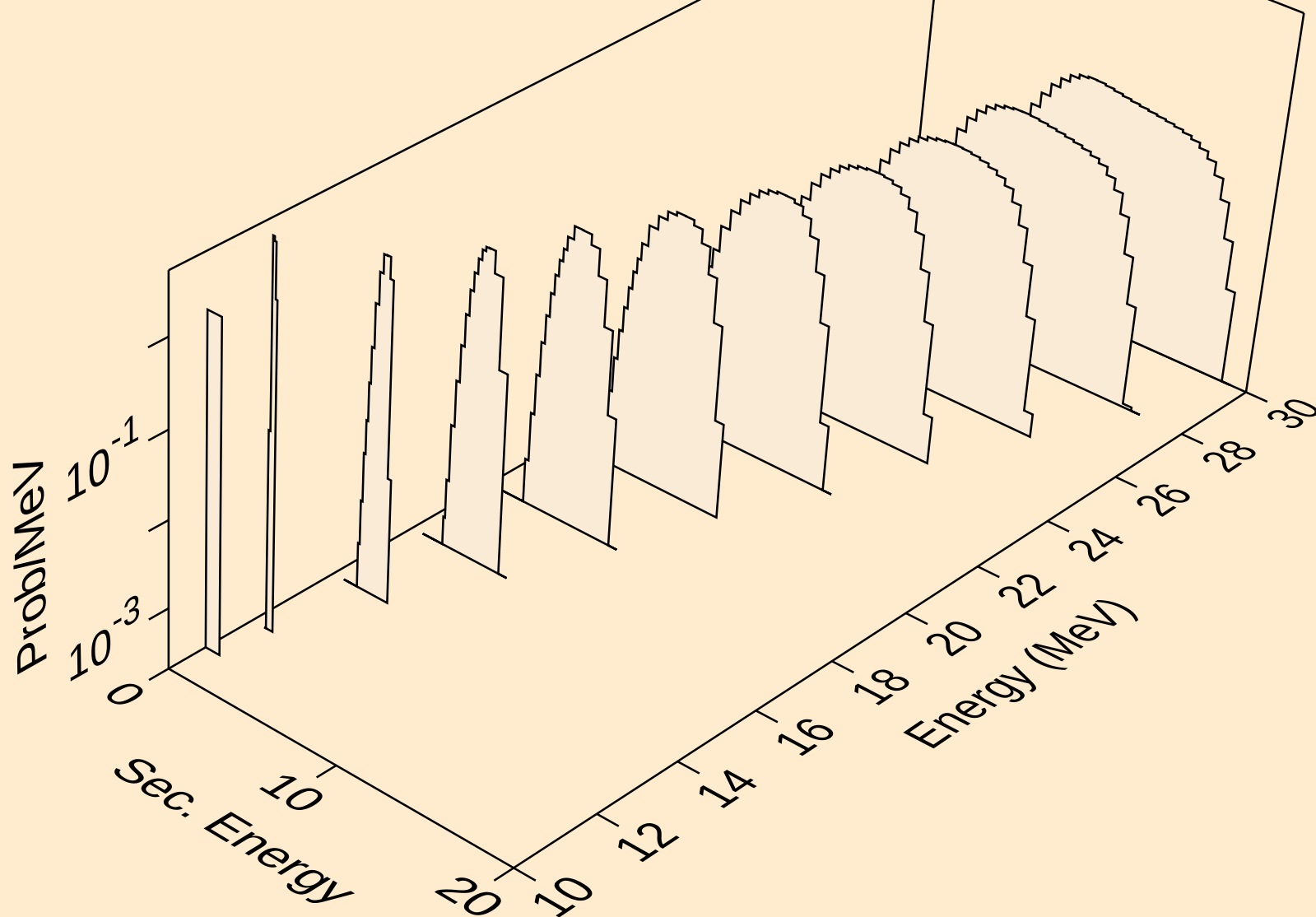
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



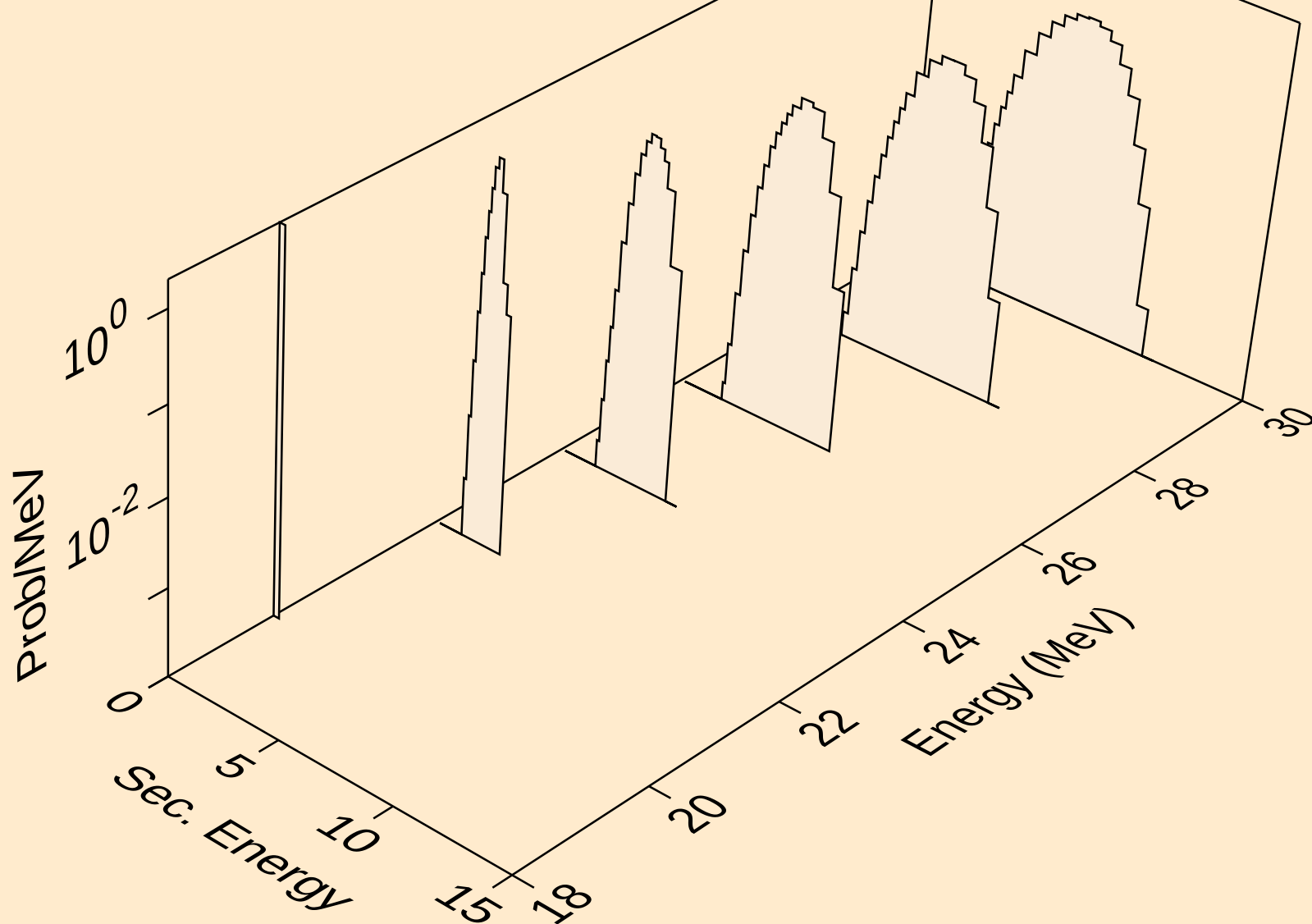
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



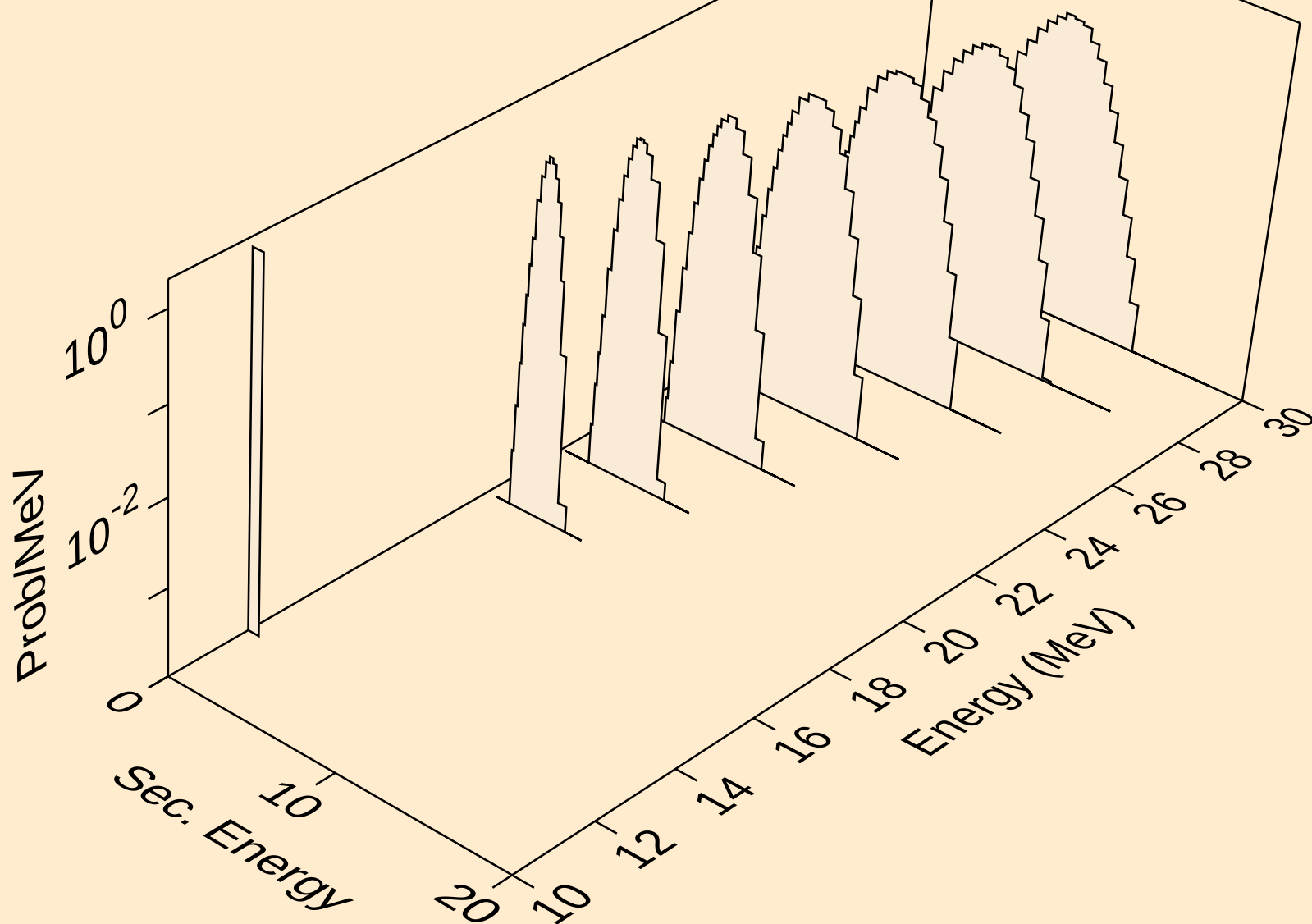
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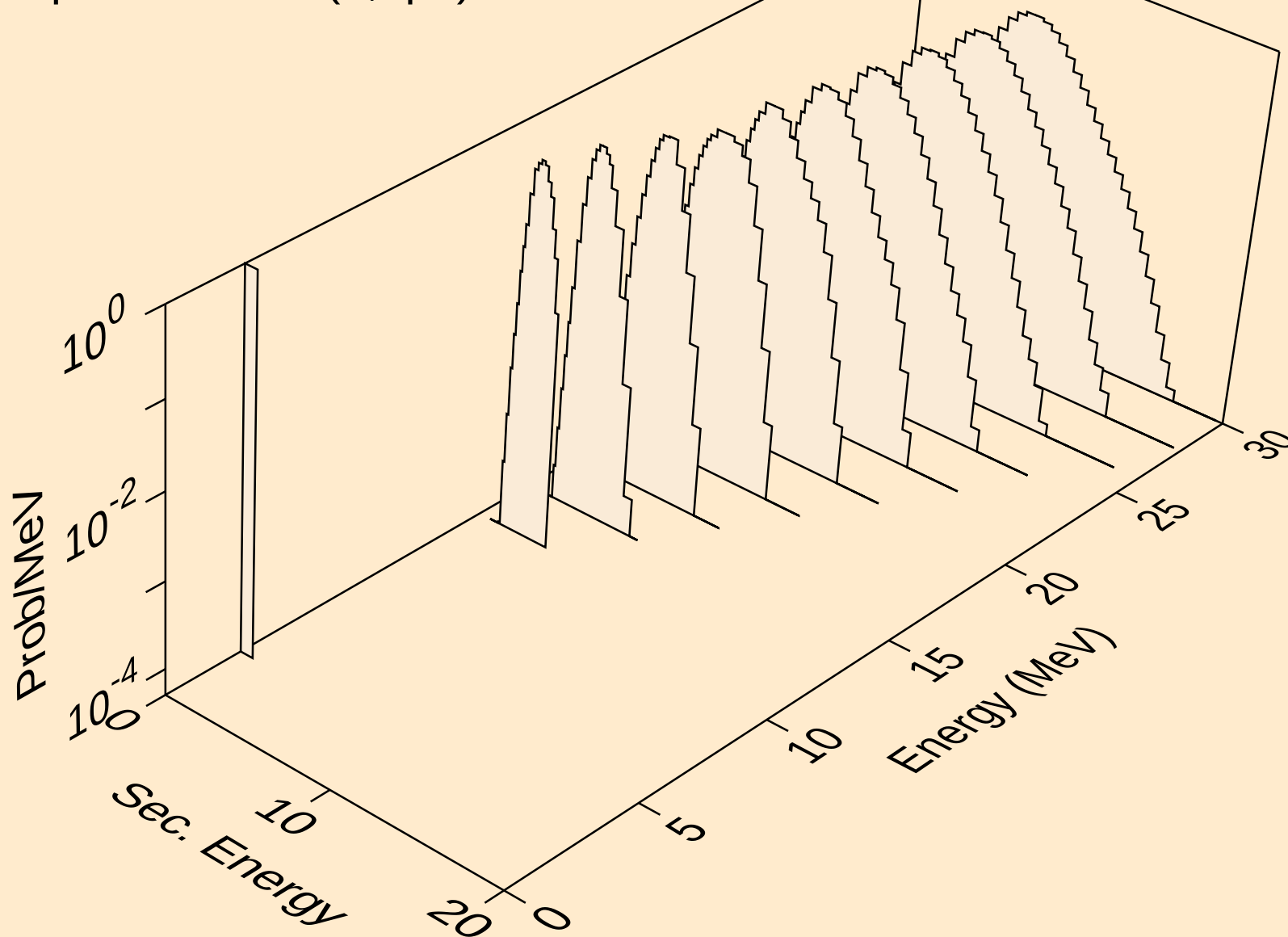
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protons from (n,3np)



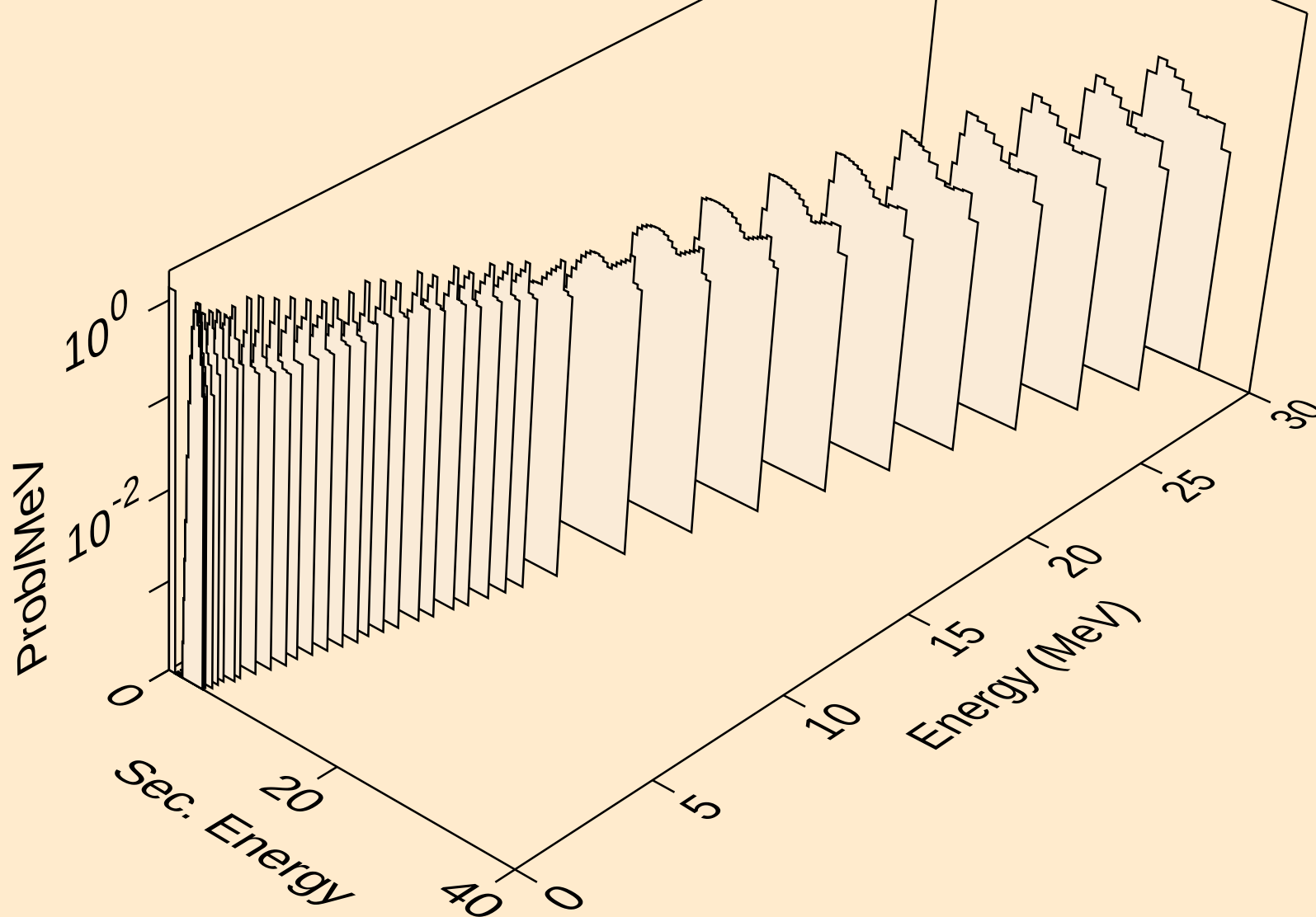
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protons from (n,n2p)



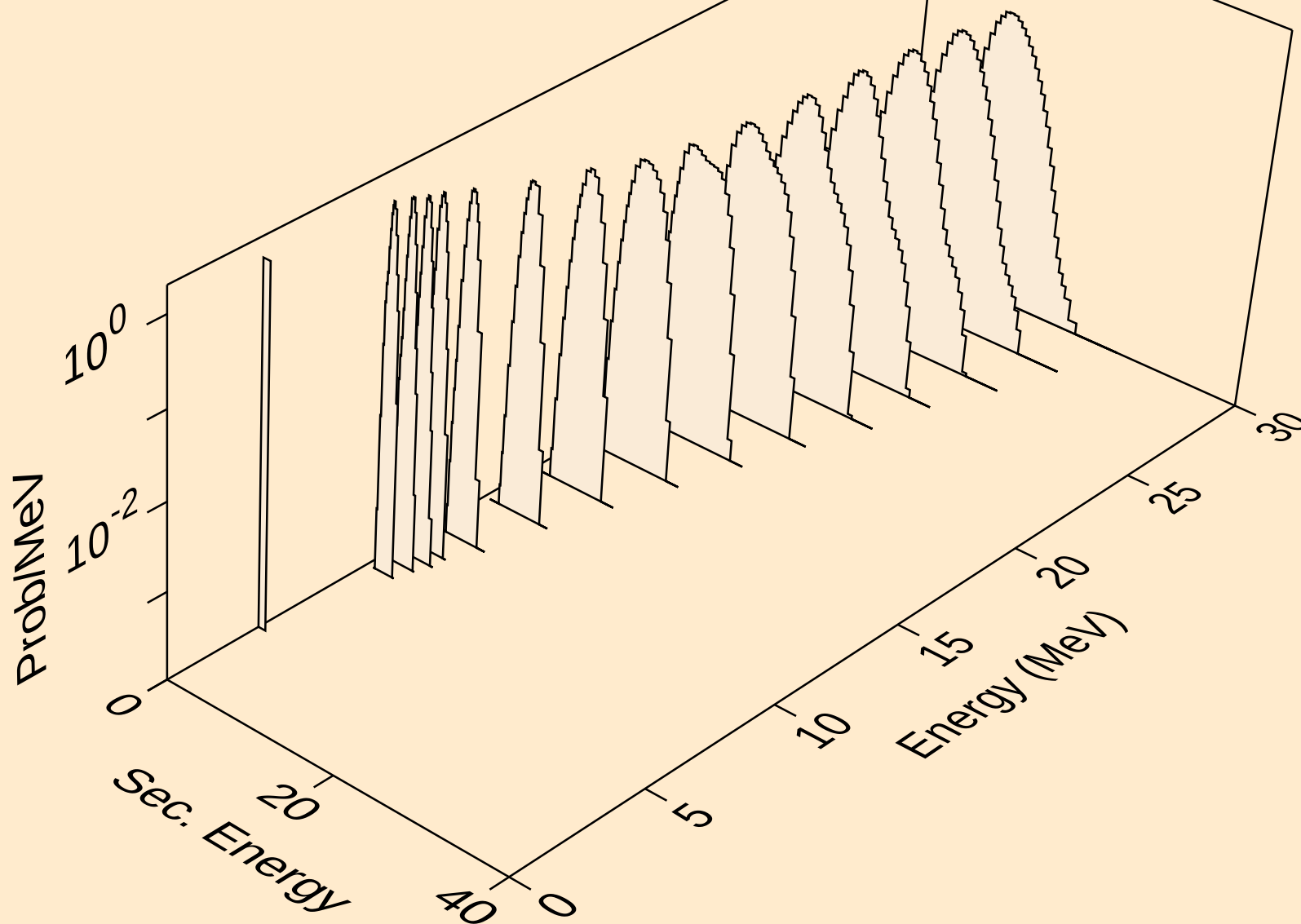
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protons from (n,npa)



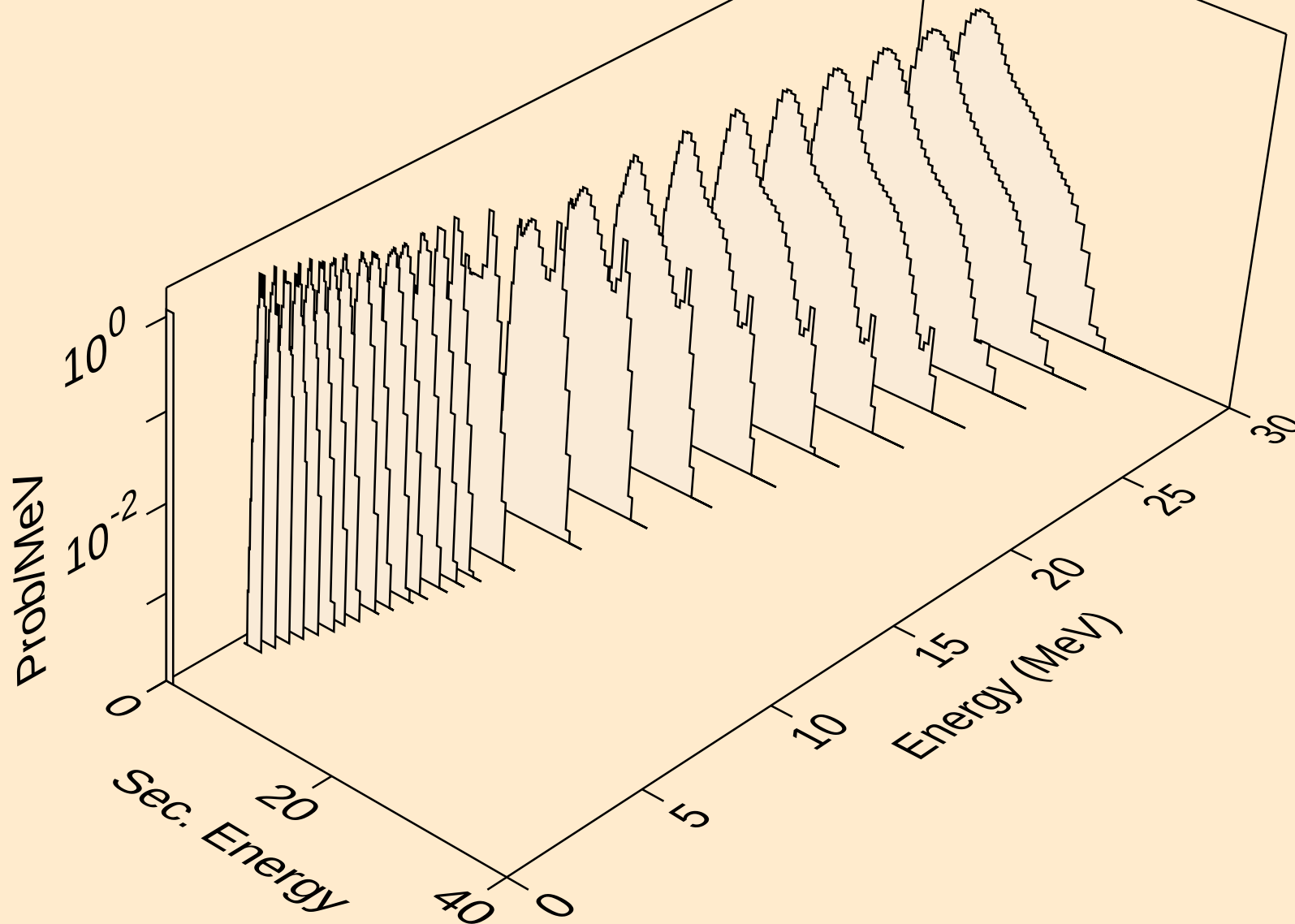
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protons from (n,p)



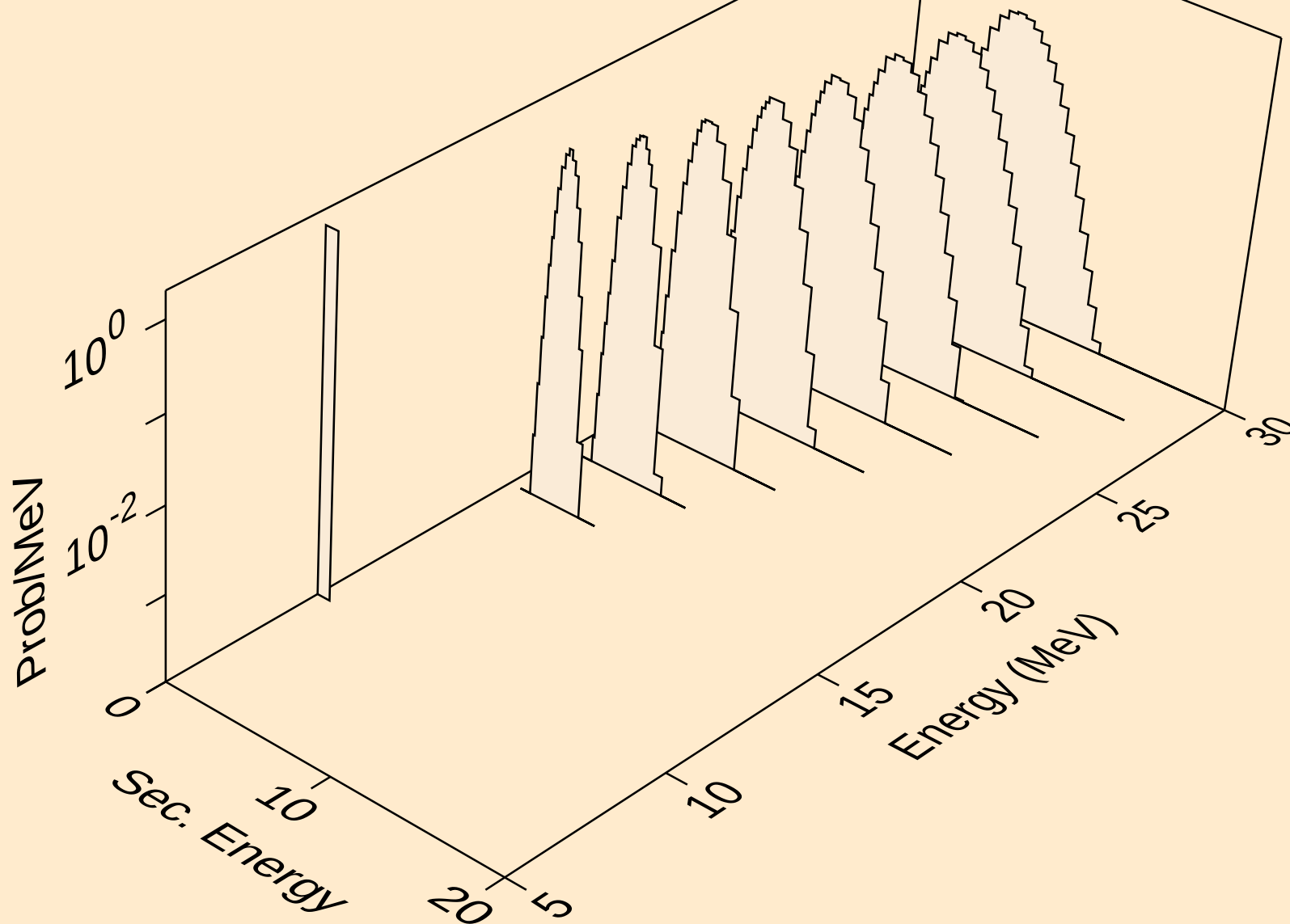
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protons from (n,2p)



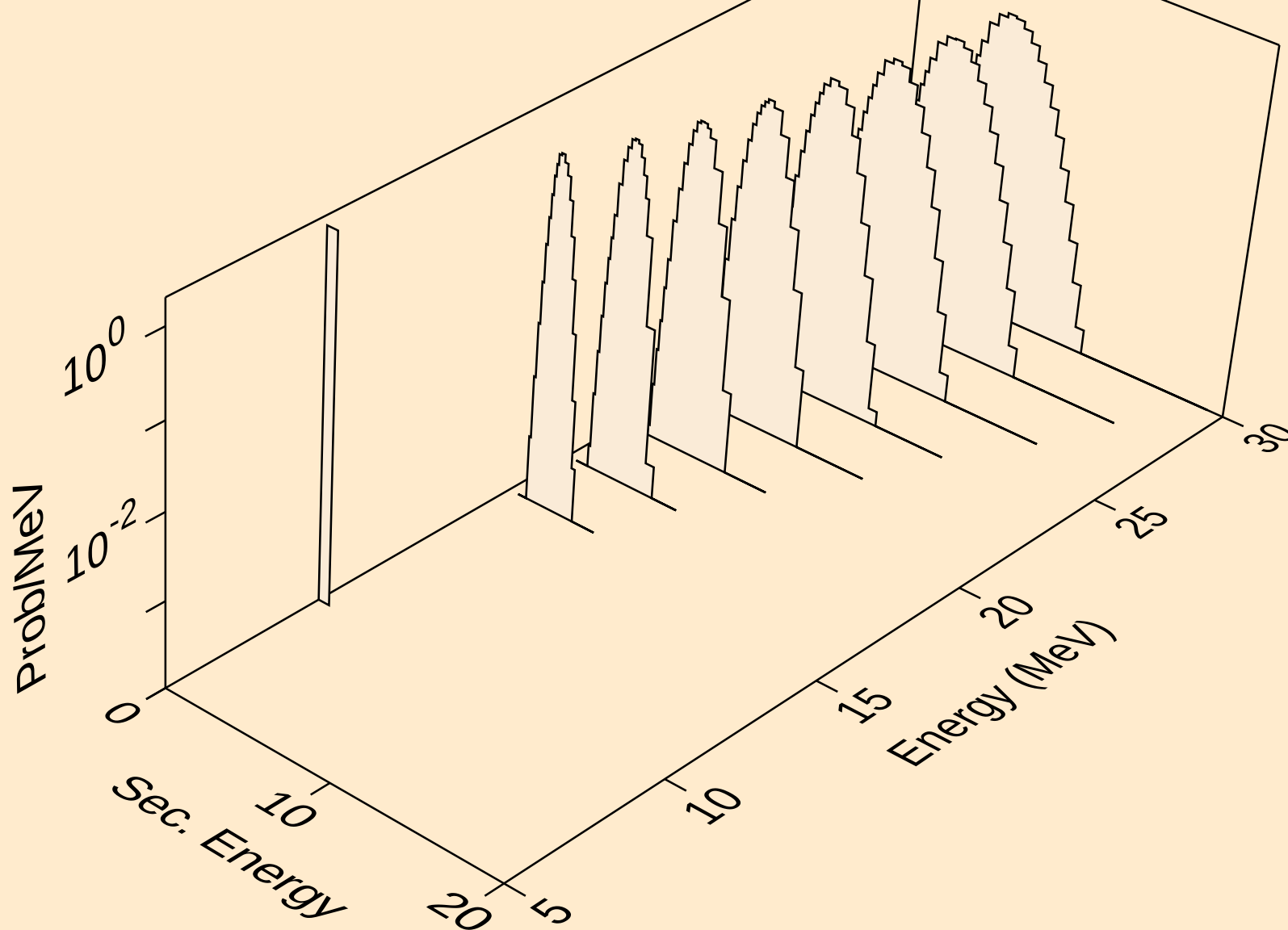
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protons from (n,p)



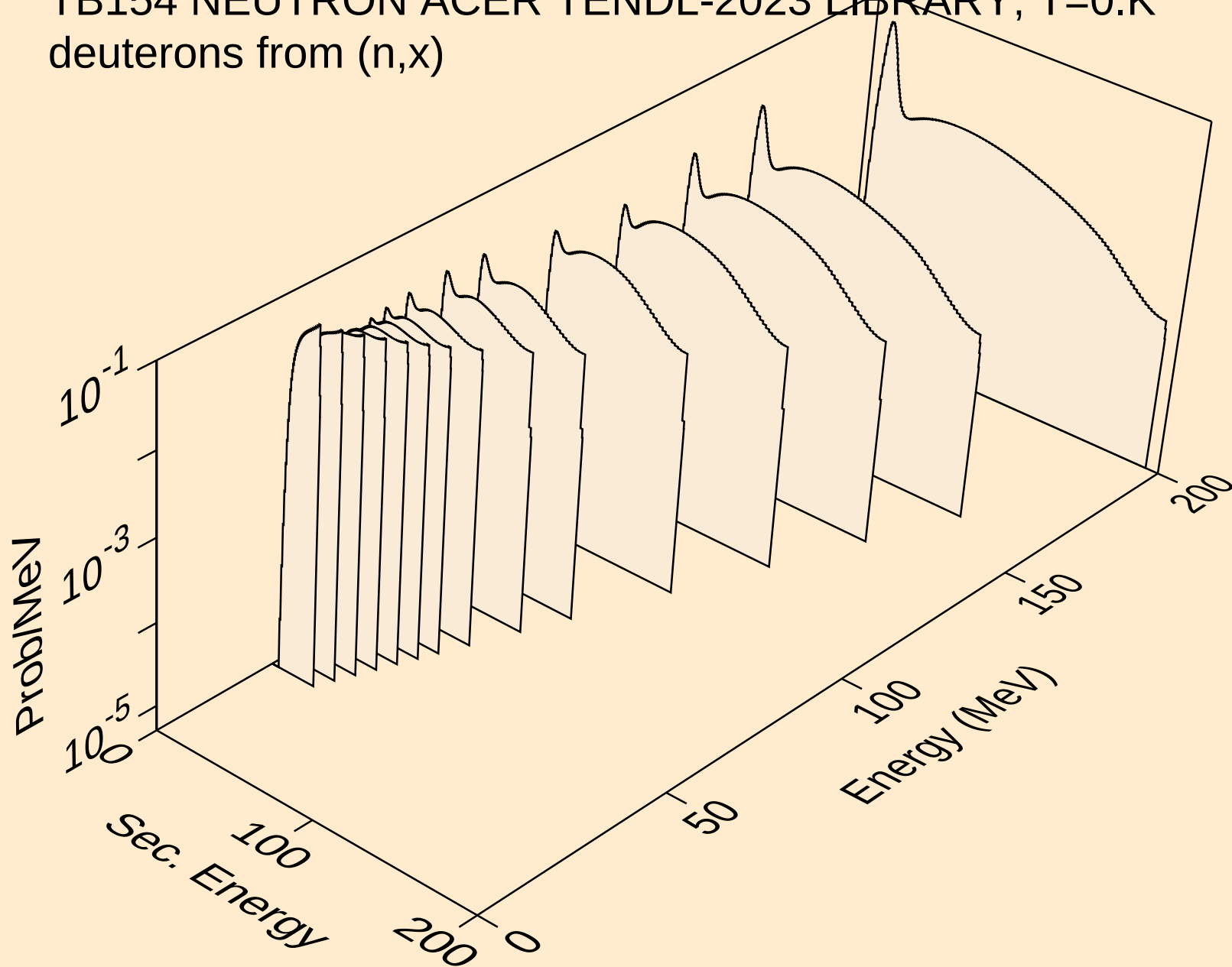
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protons from (n,pd)



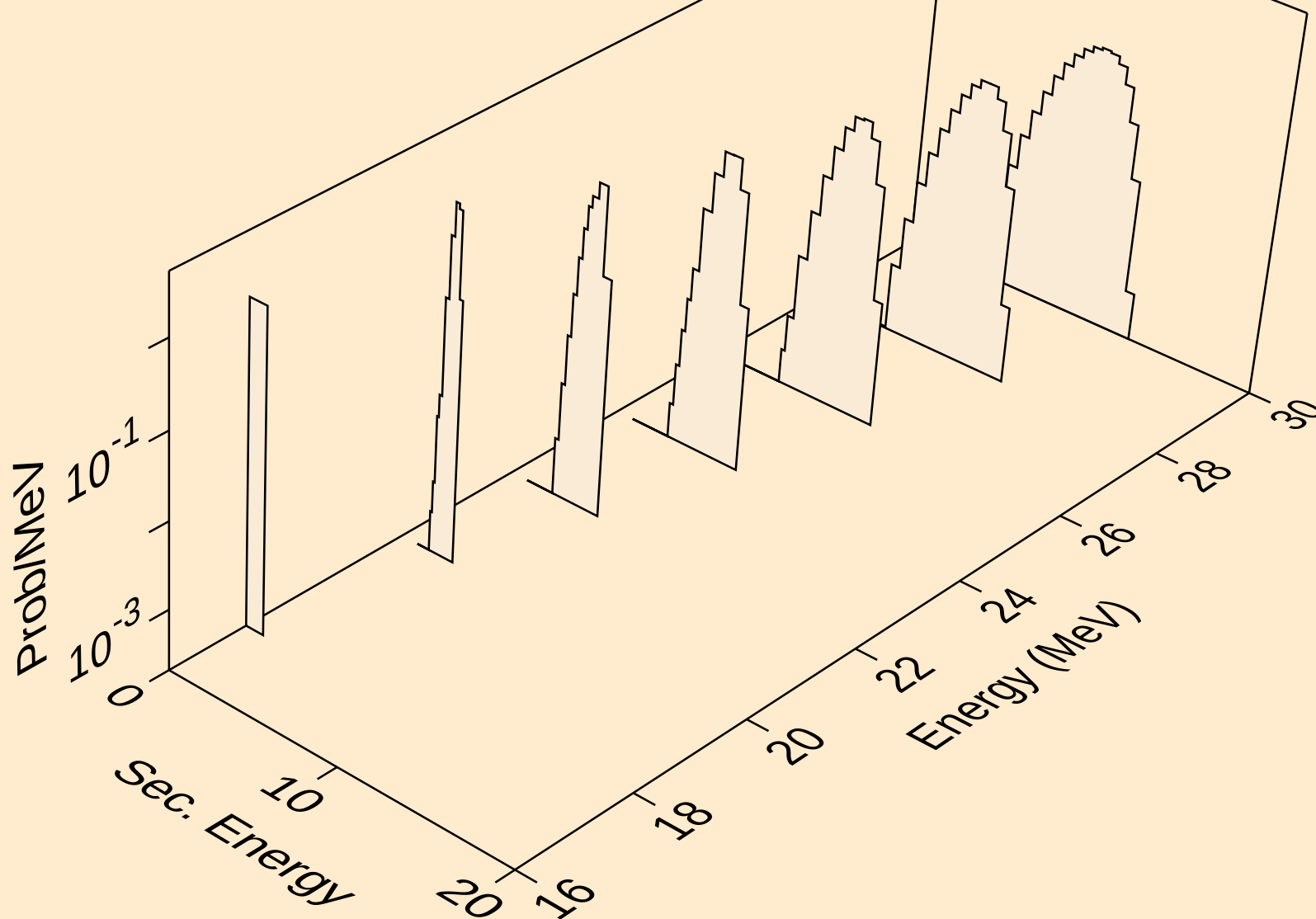
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protons from (n,pt)



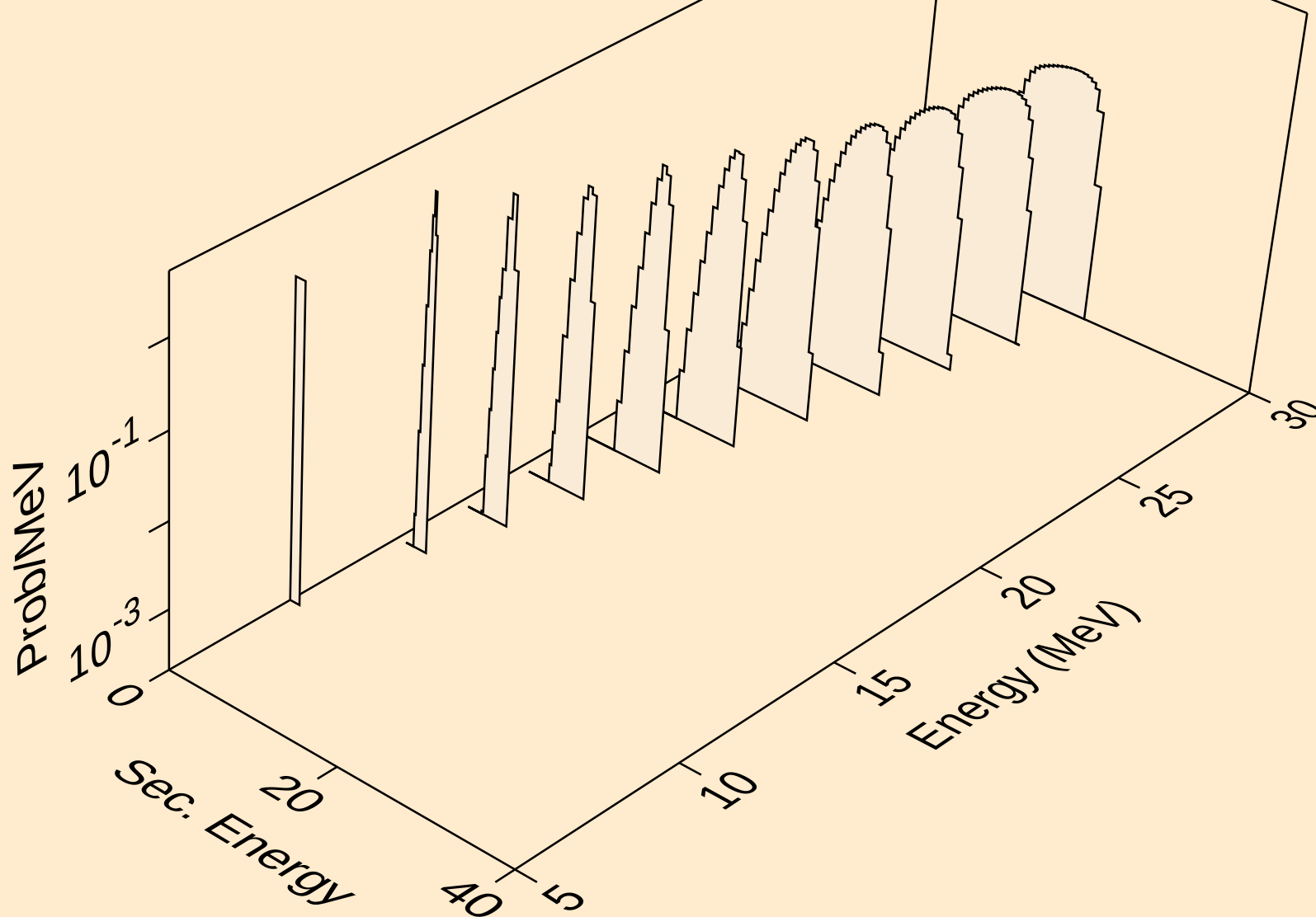
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



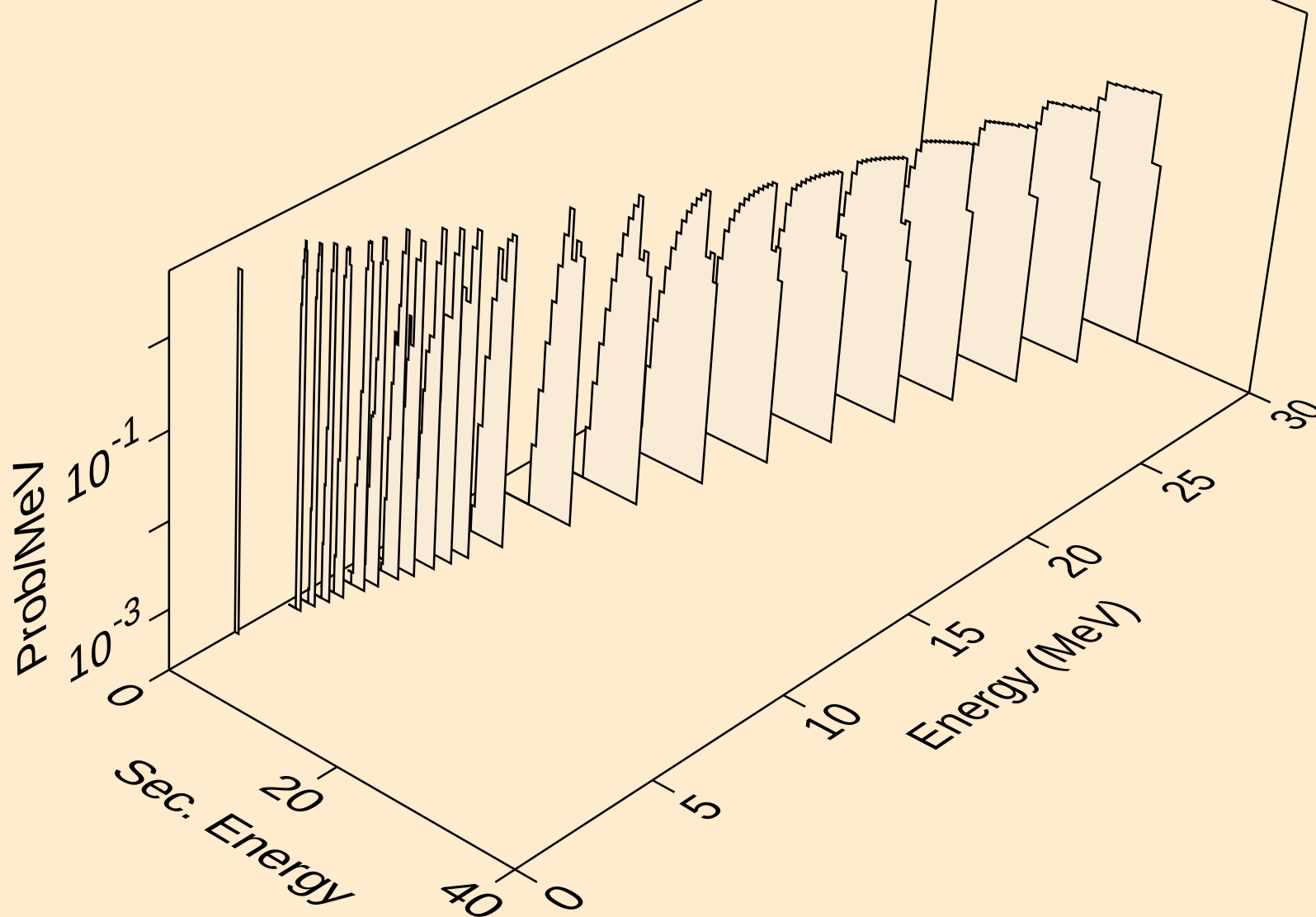
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deuterons from (n,2nd)



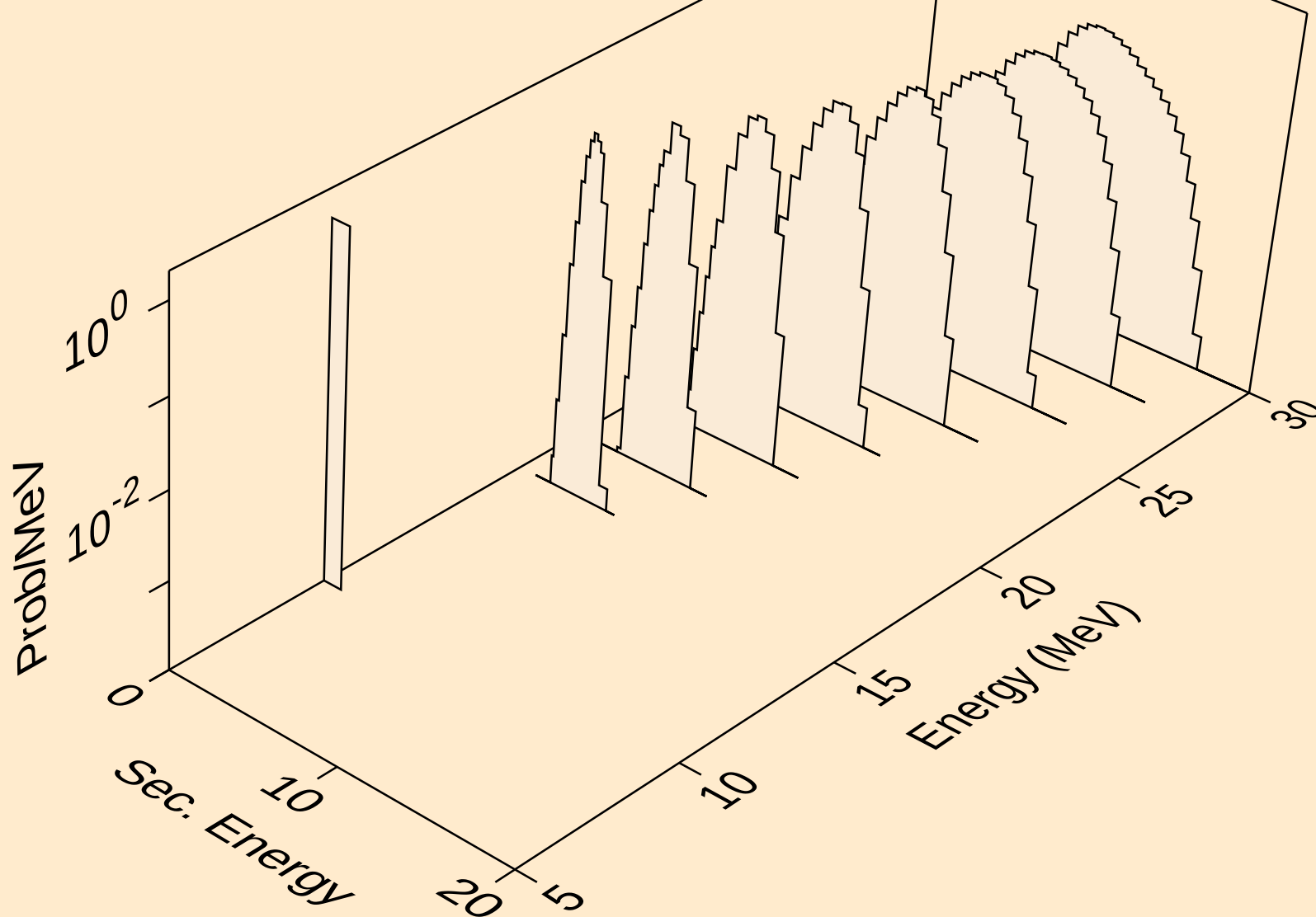
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deuterons from (n,n*)d



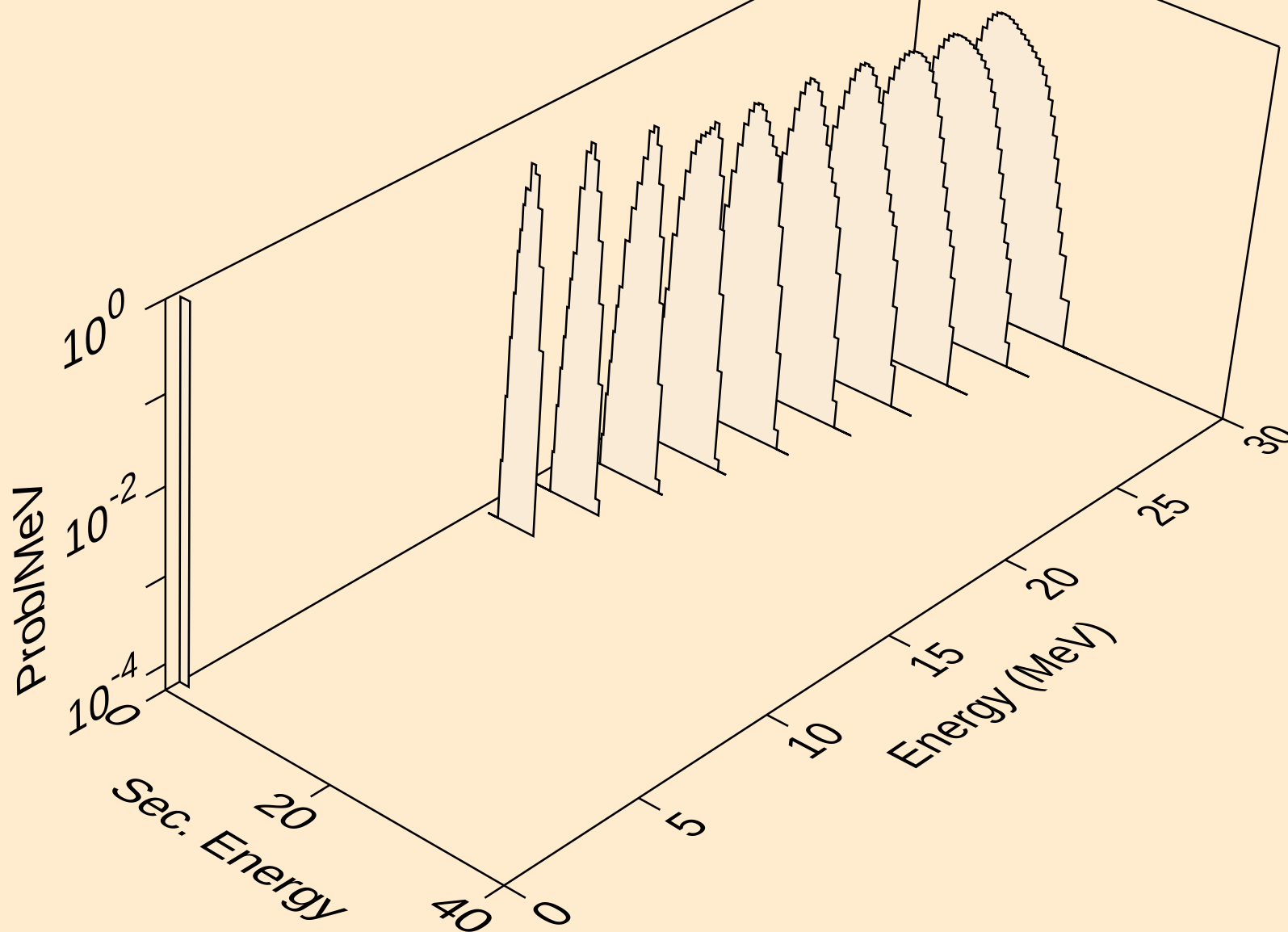
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deuterons from (n,d)



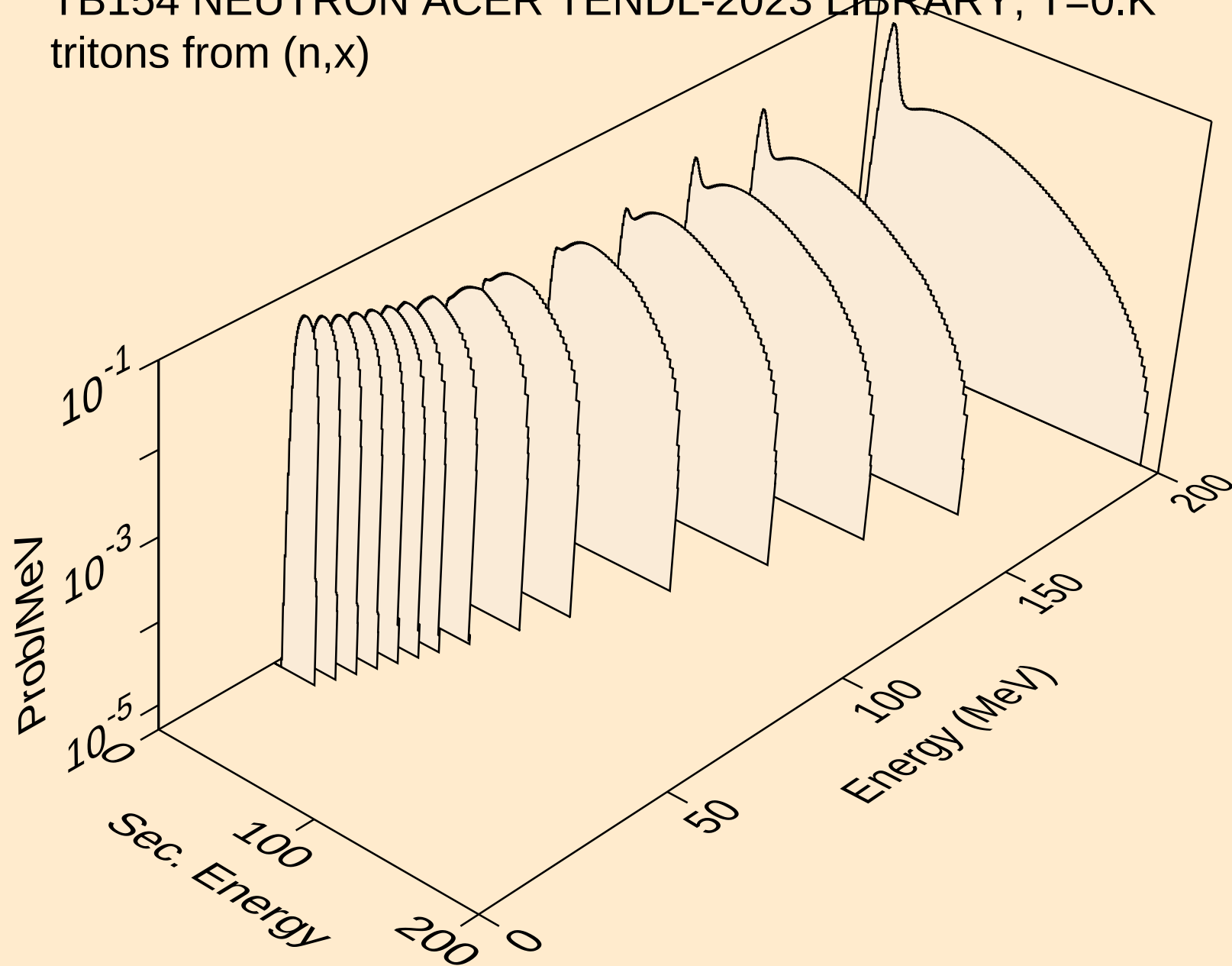
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deuterons from (n,pd)



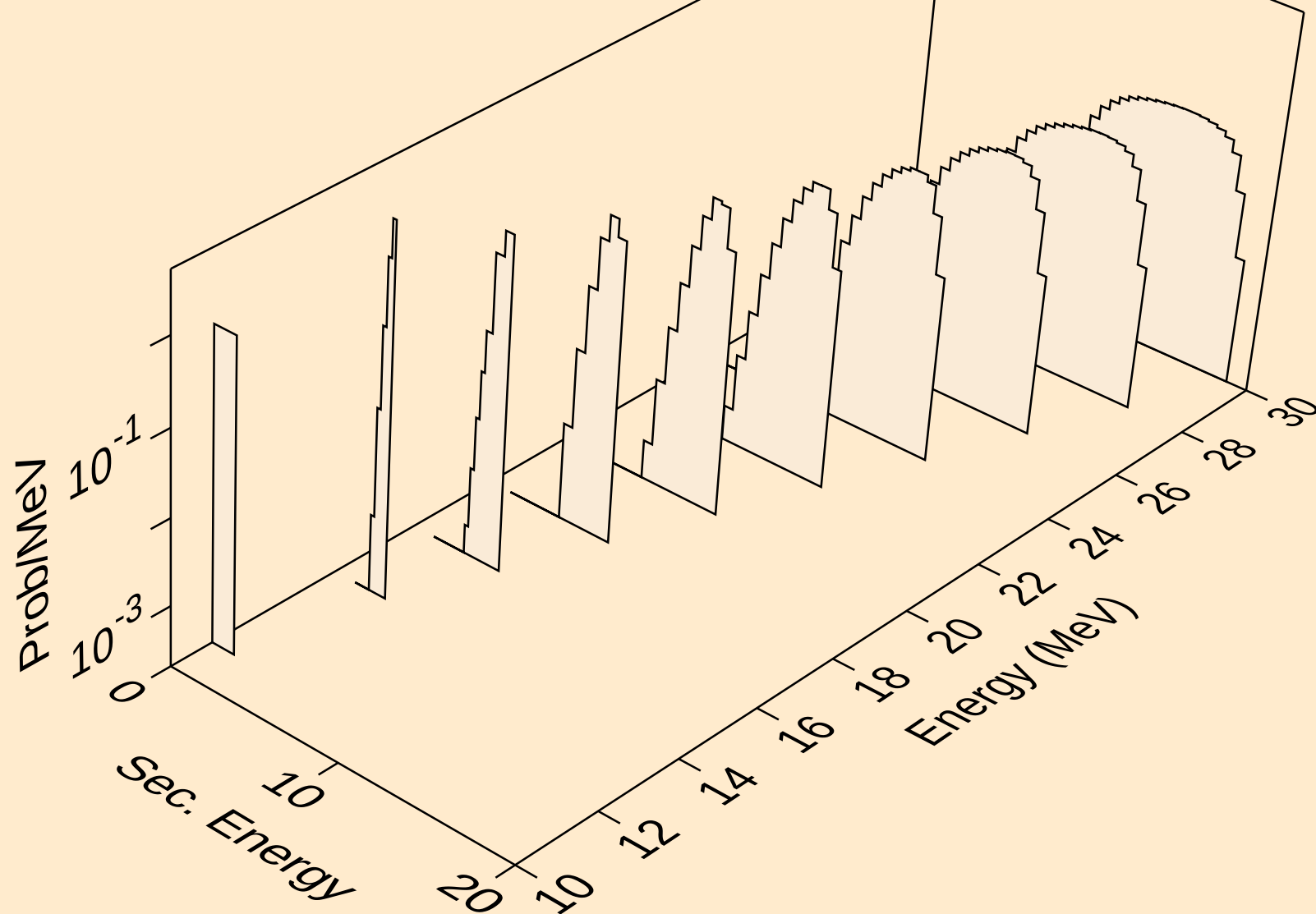
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deuterons from (n,da)



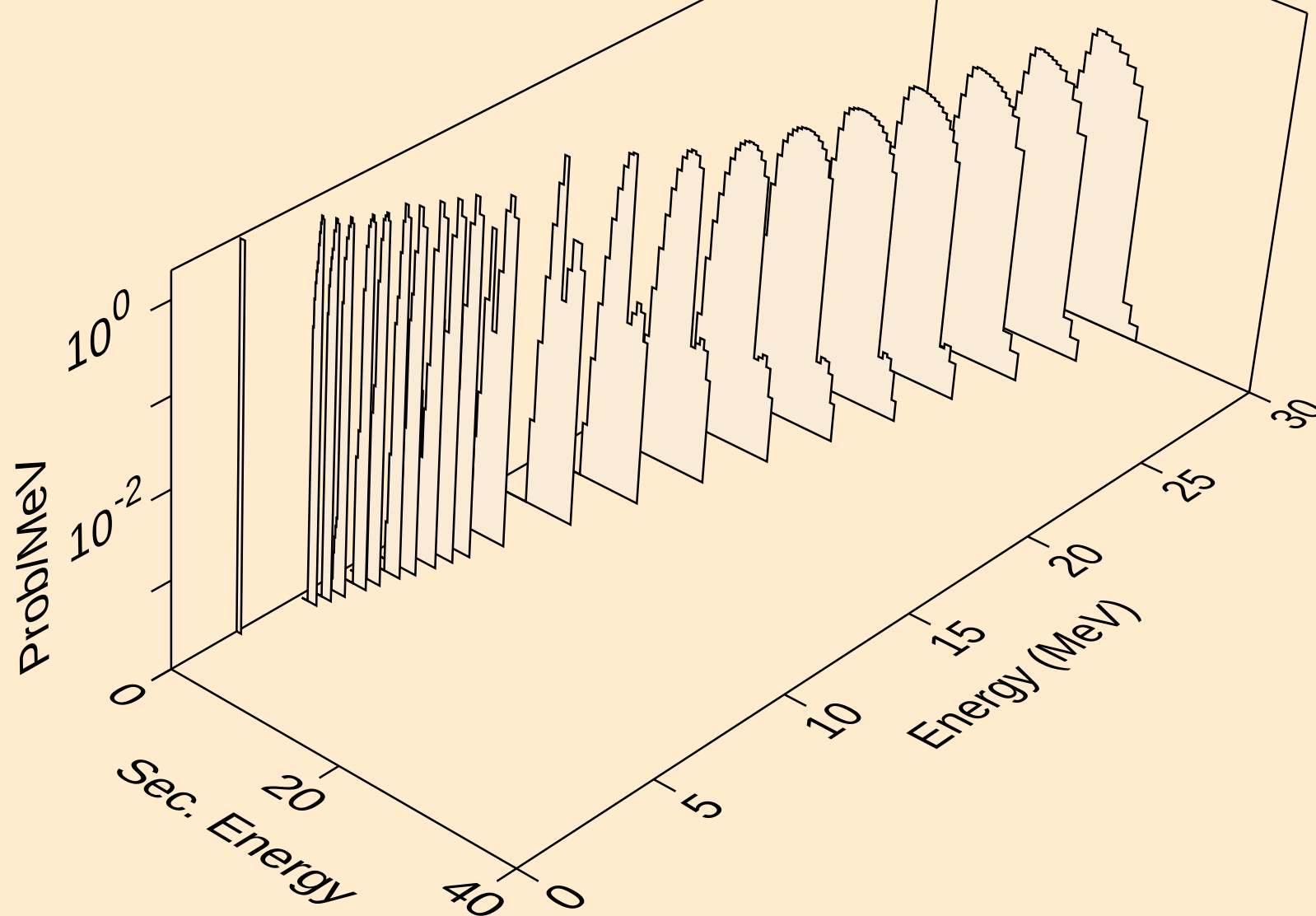
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tritons from (n,x)



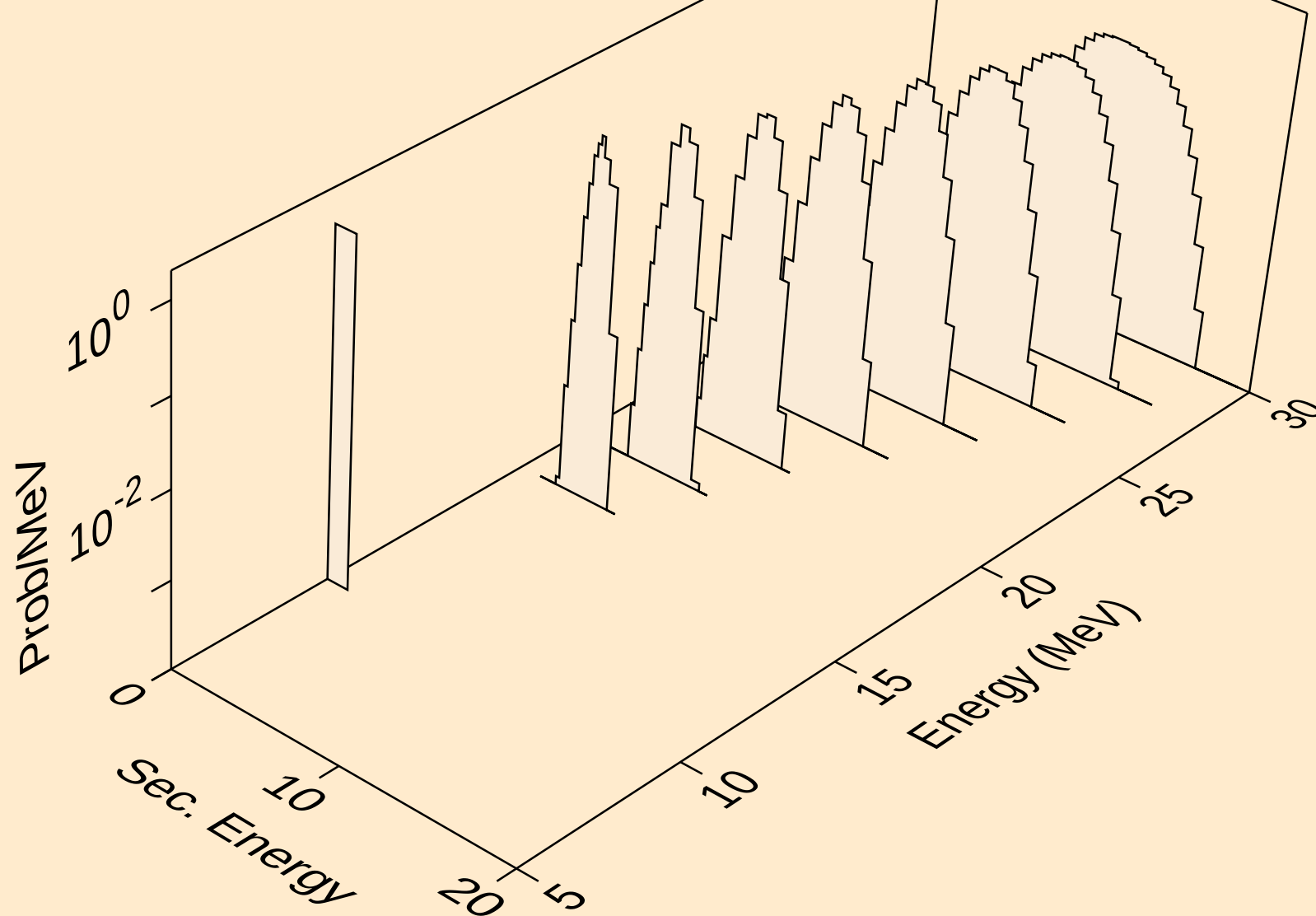
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



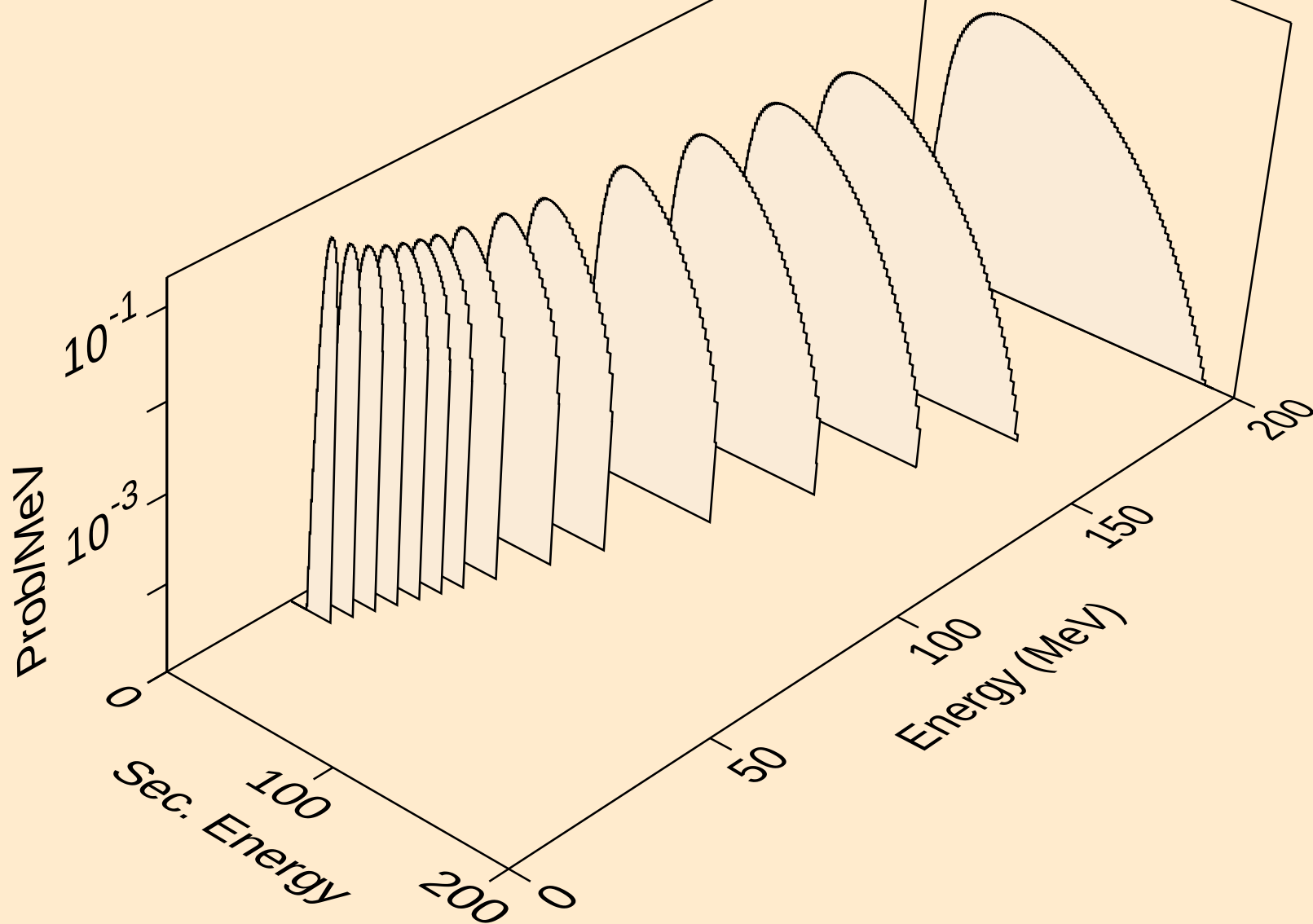
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tritons from (n,t)



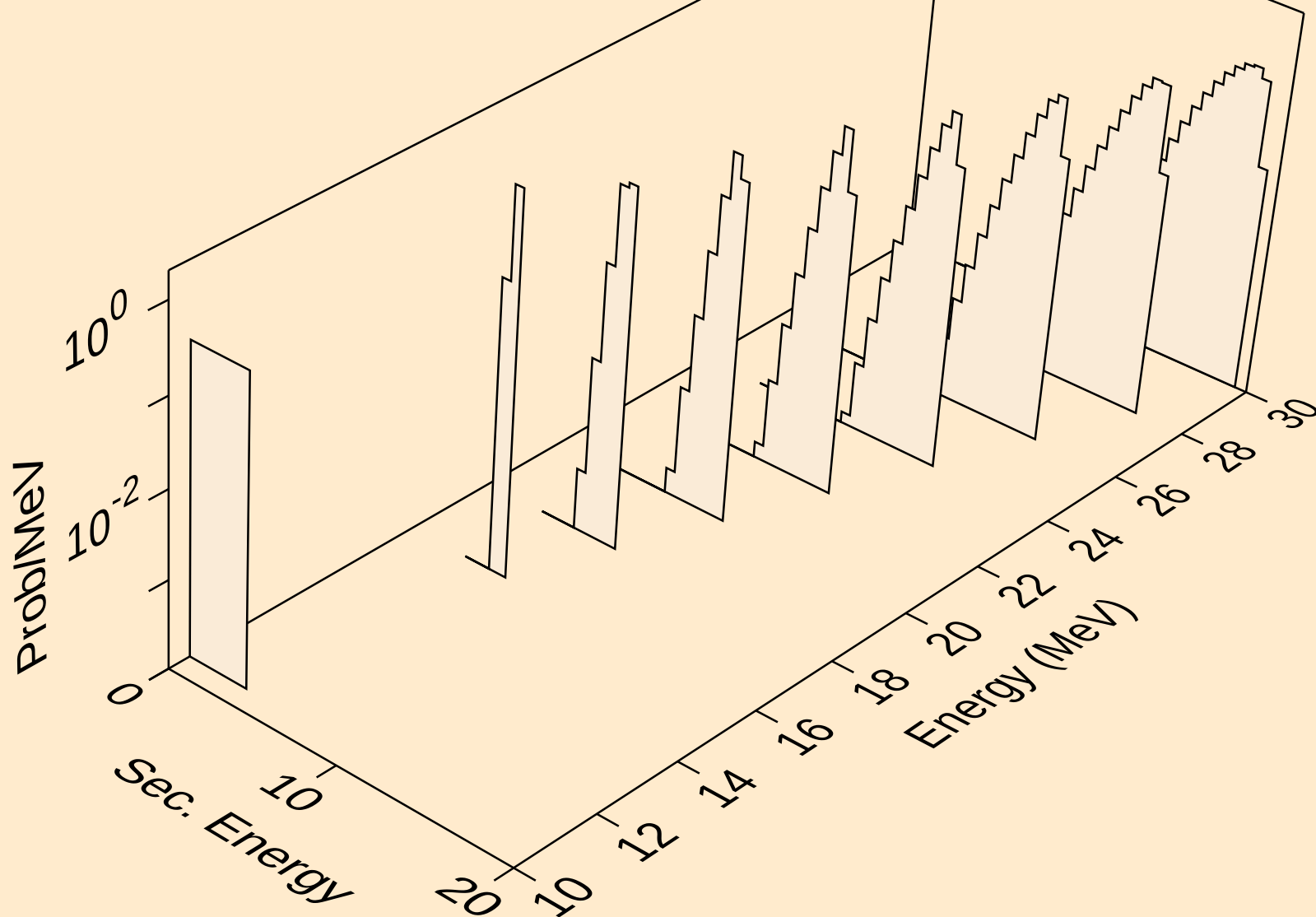
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tritons from (n,pt)



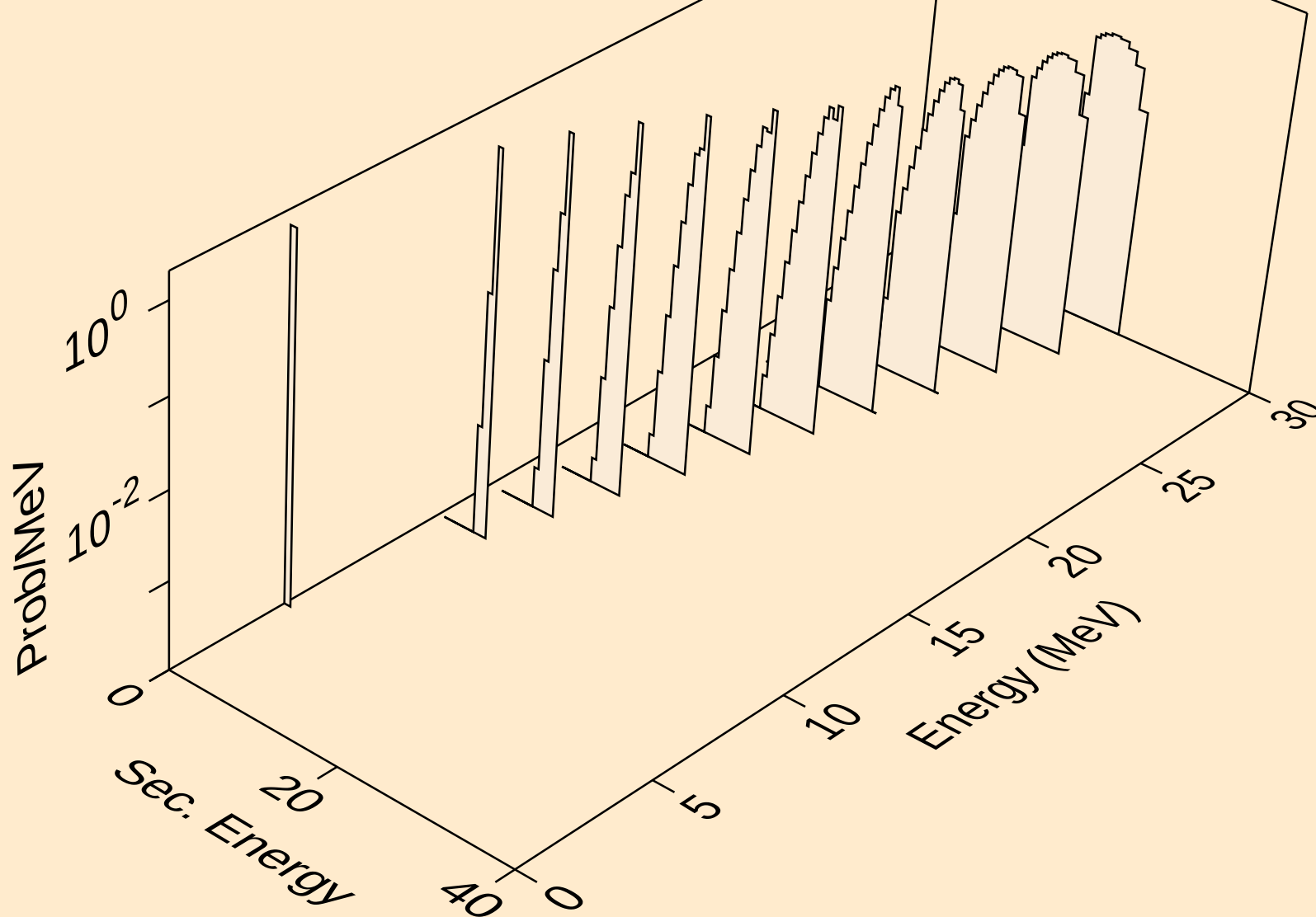
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he3s from (n,x)



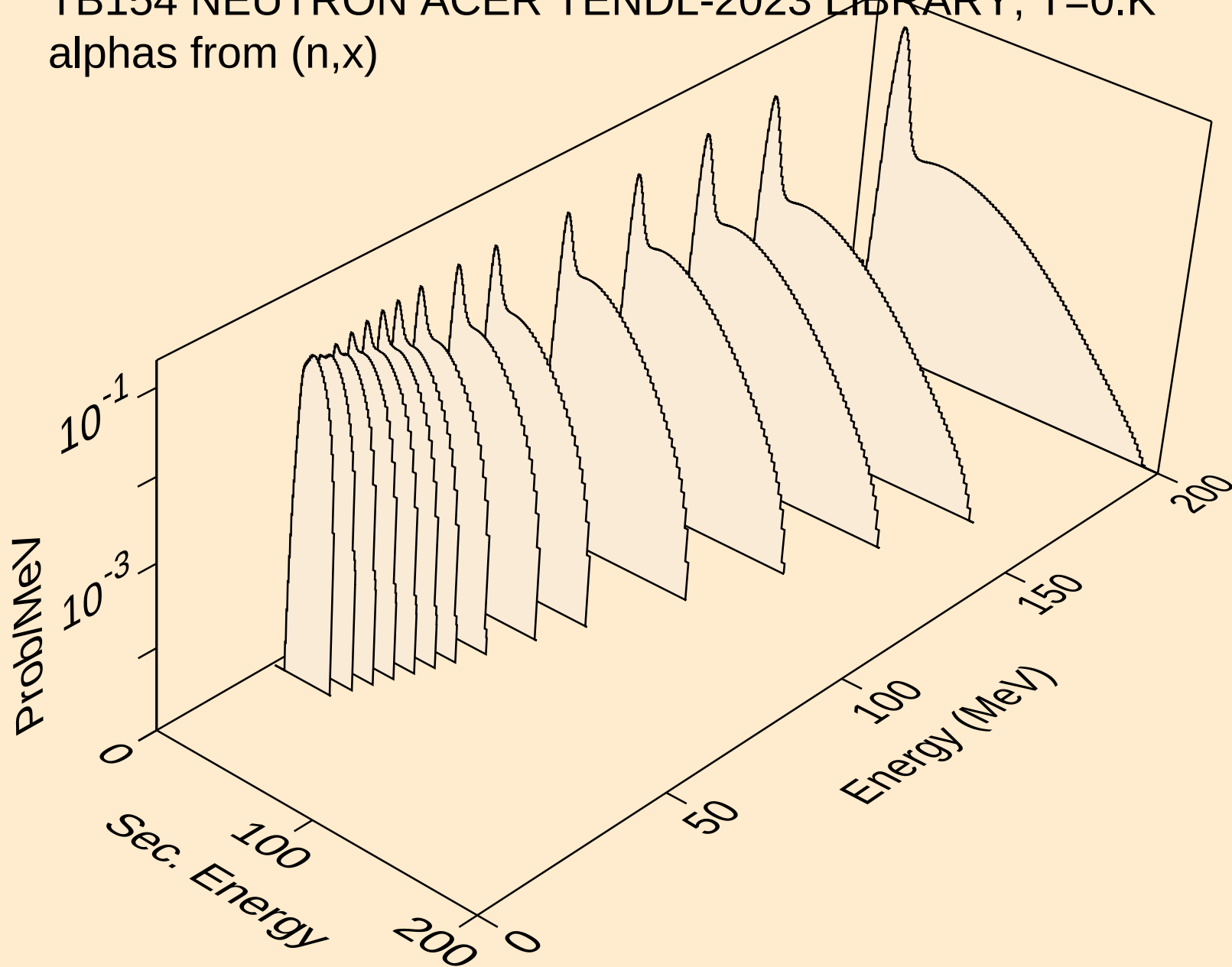
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he3s from (n,n*)he3



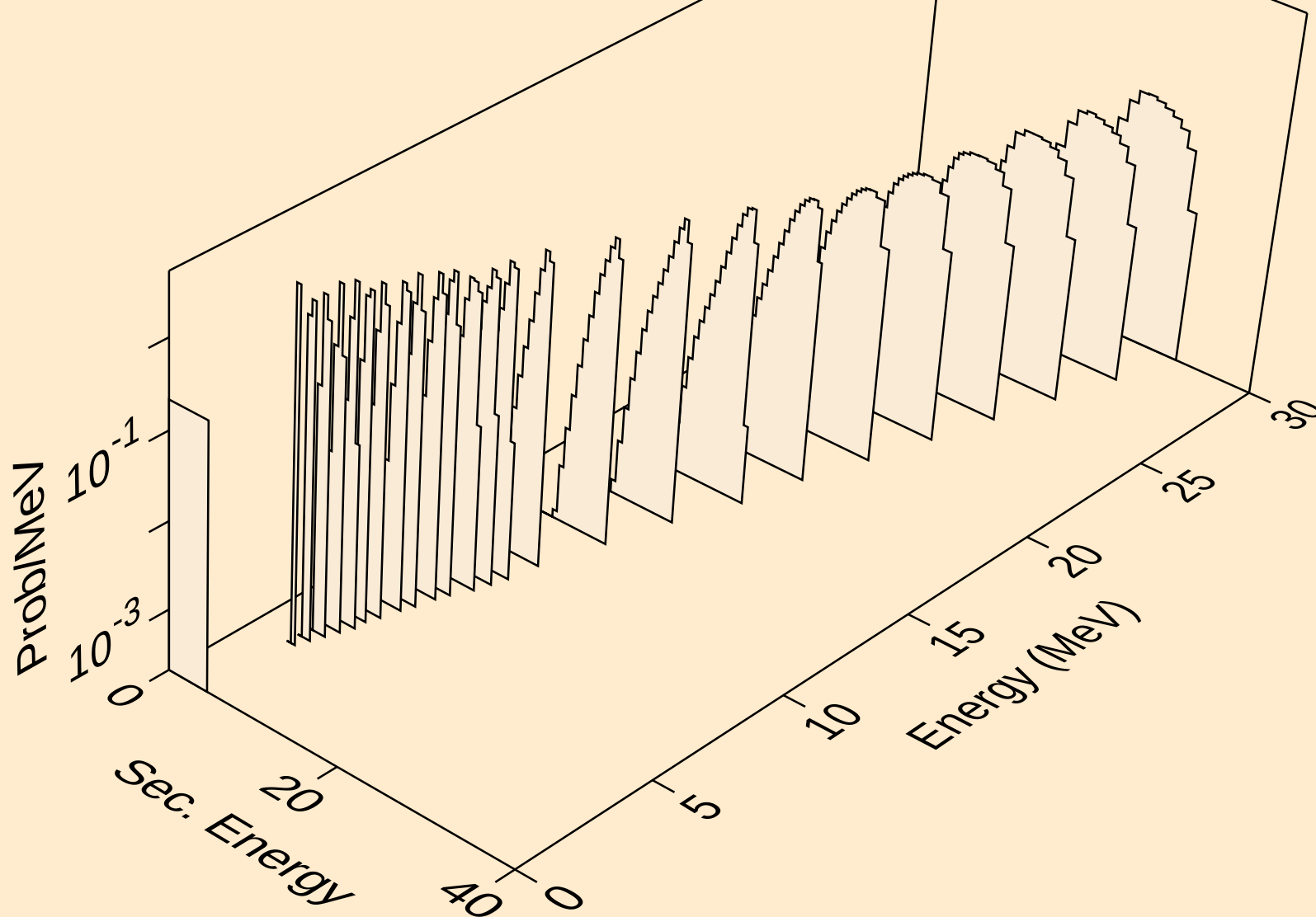
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



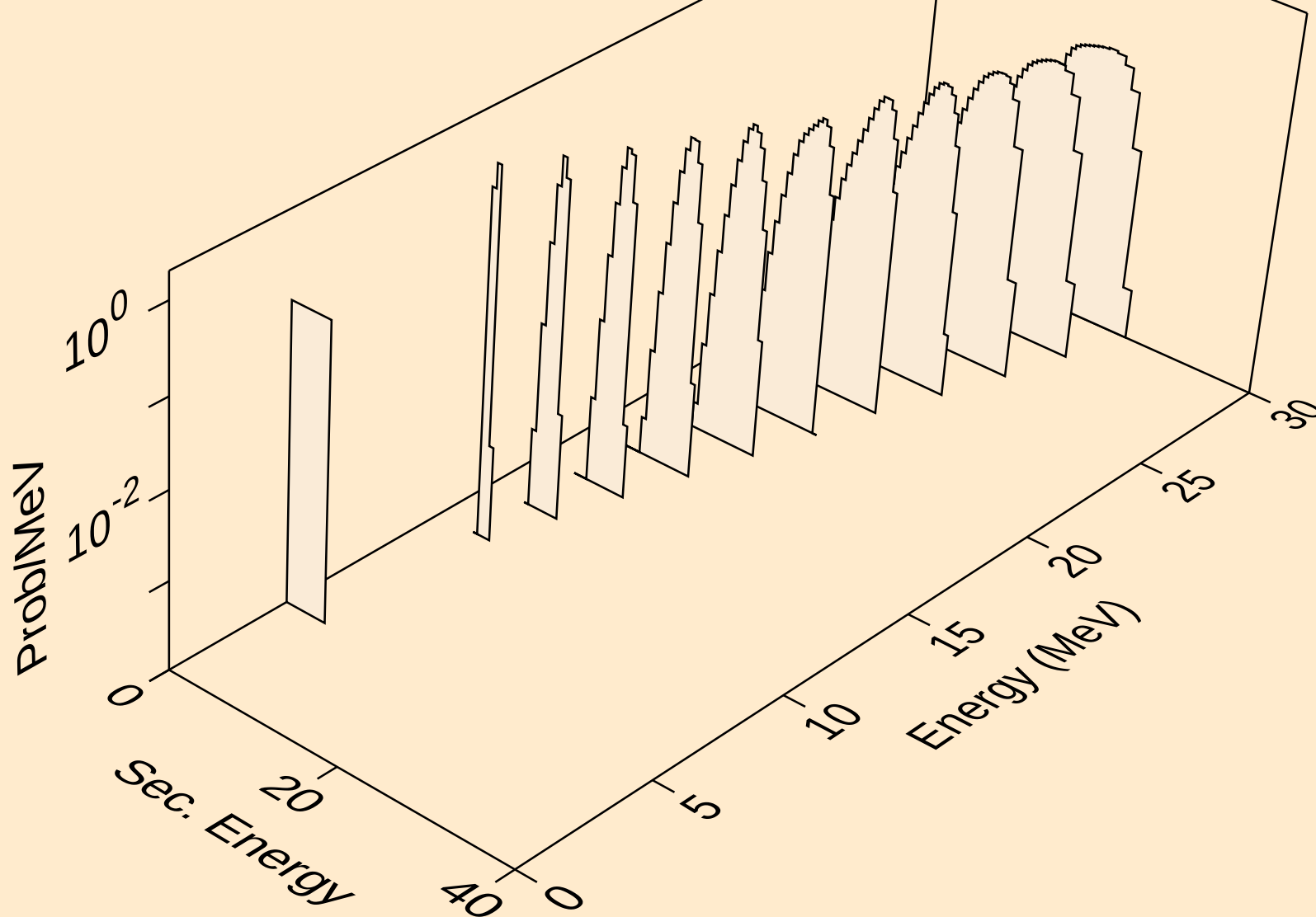
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



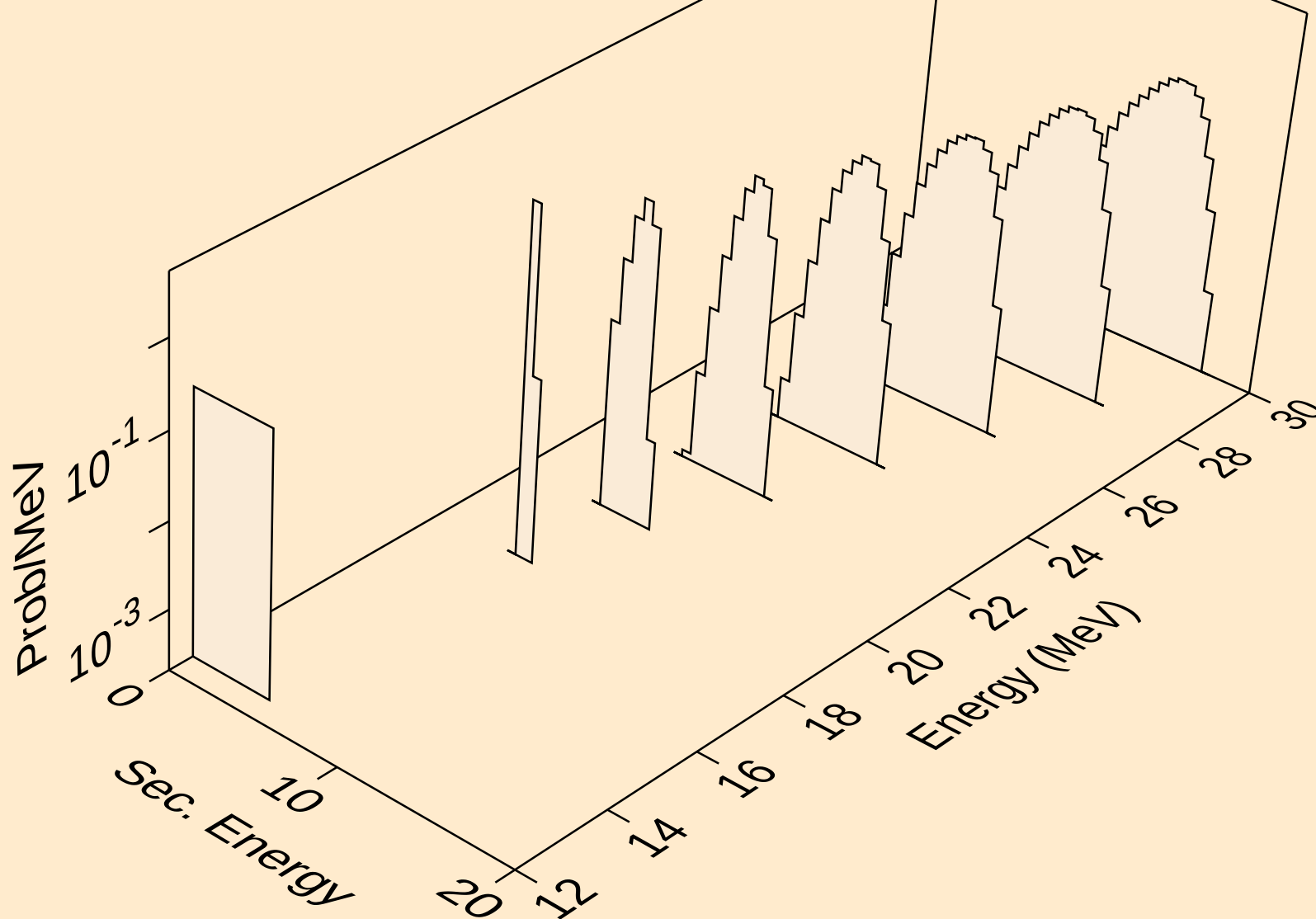
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



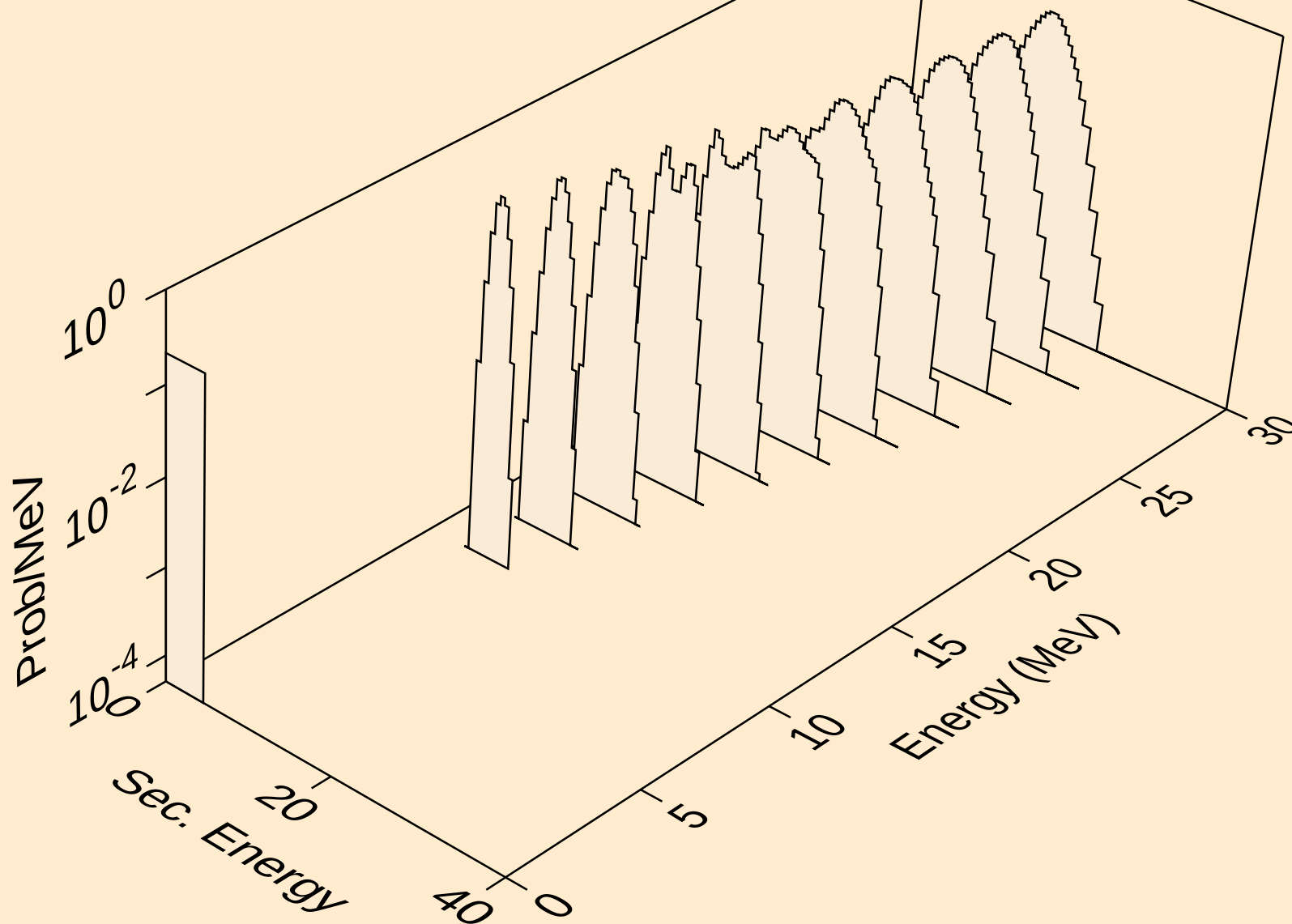
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



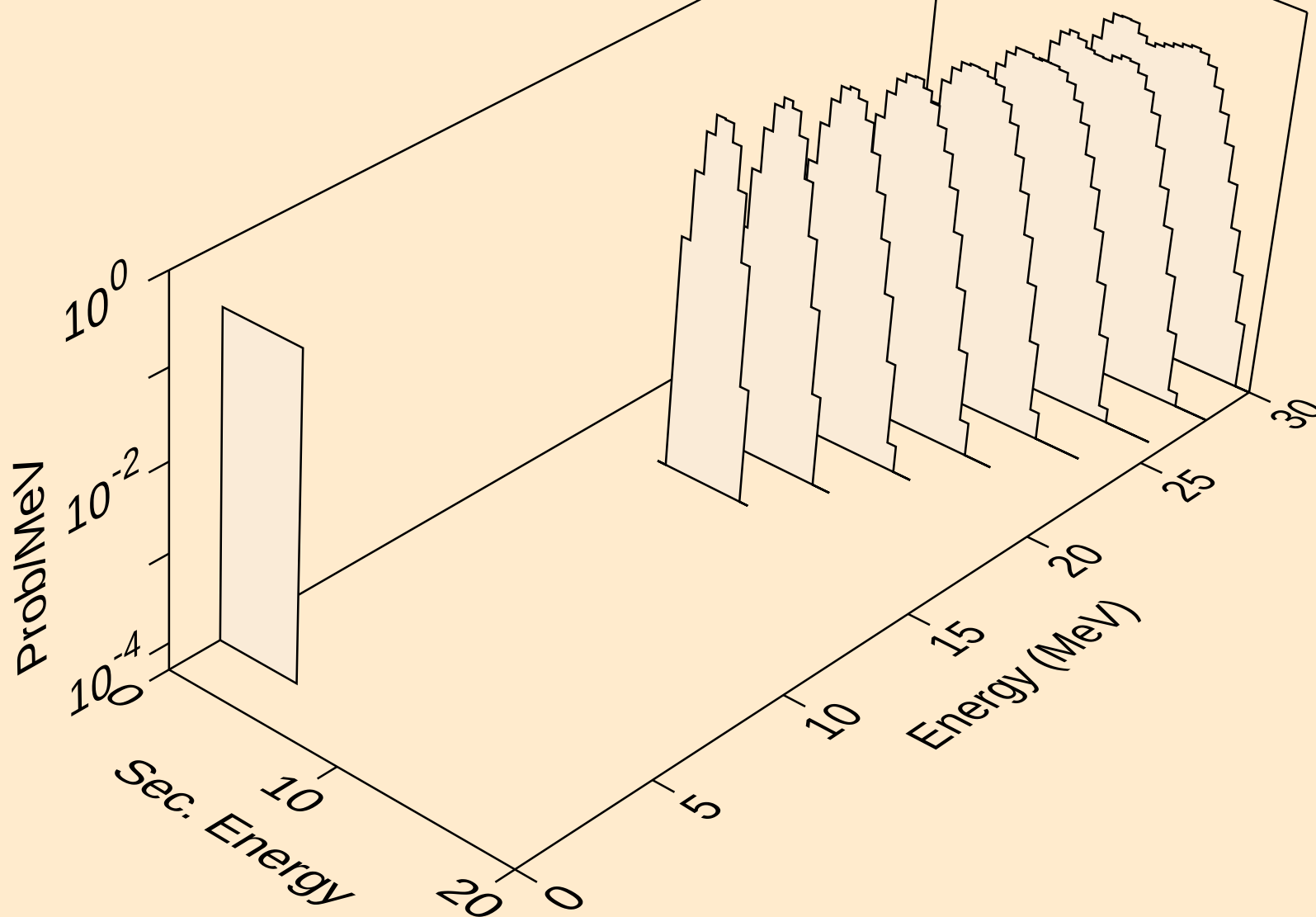
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



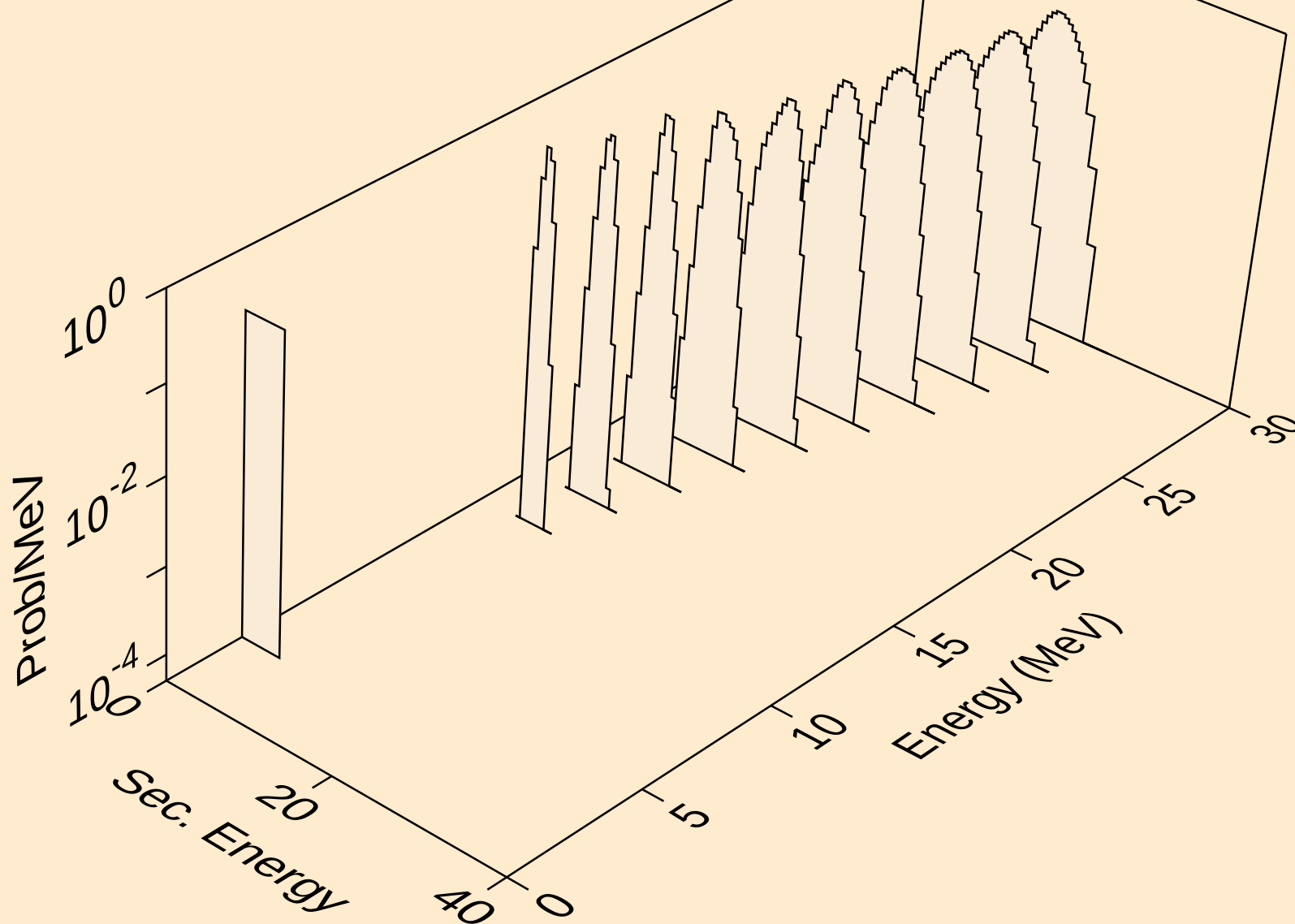
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



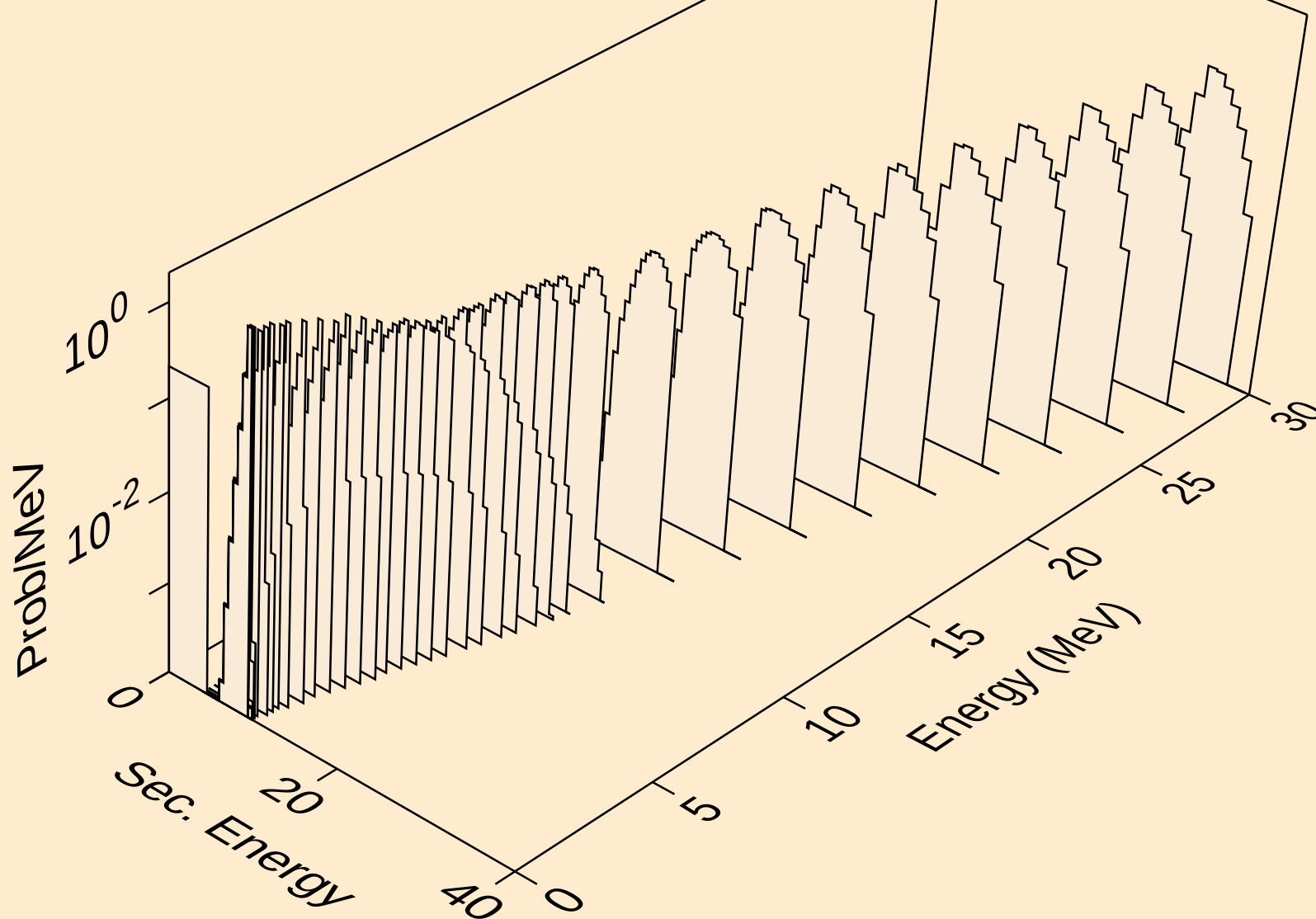
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



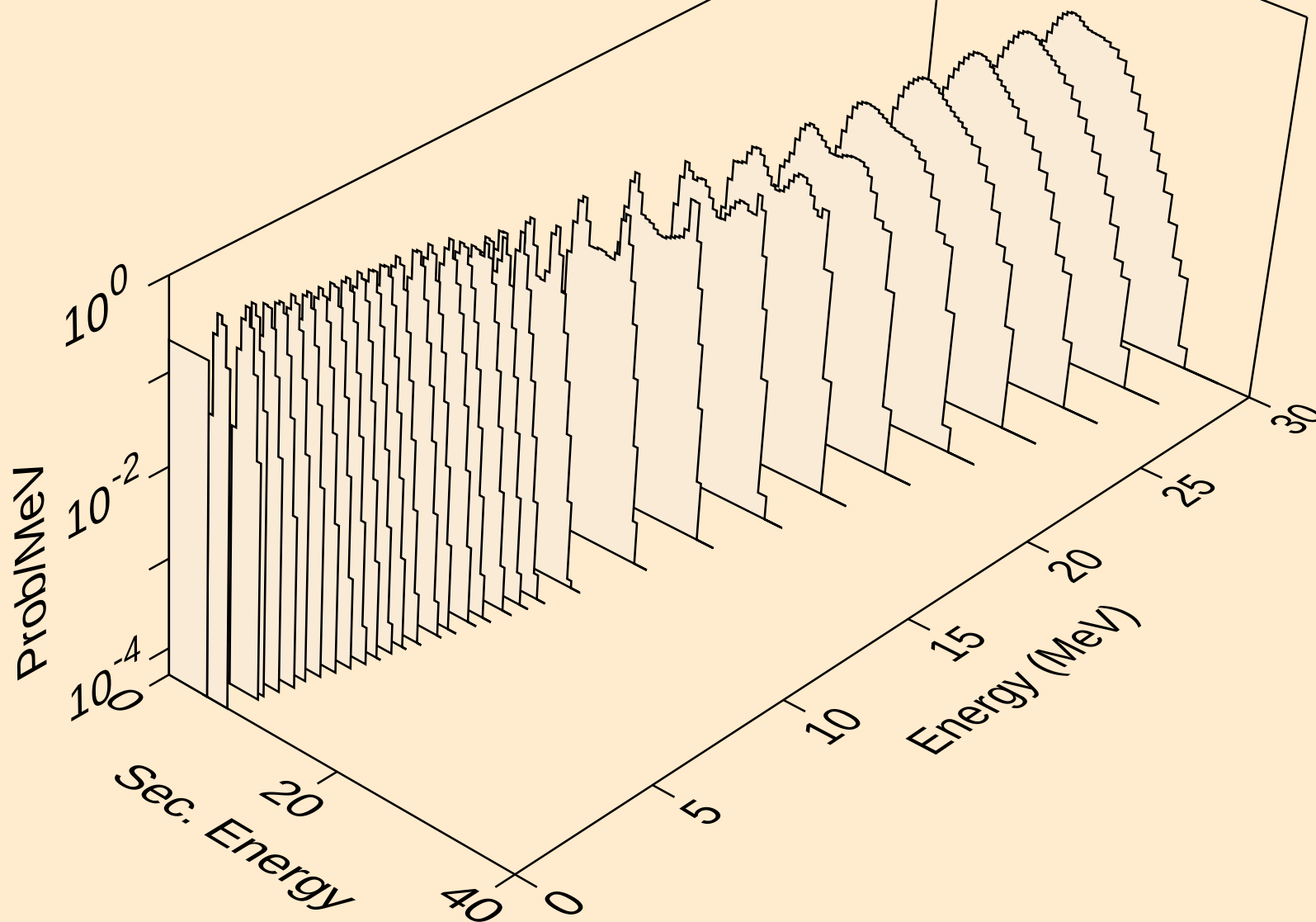
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



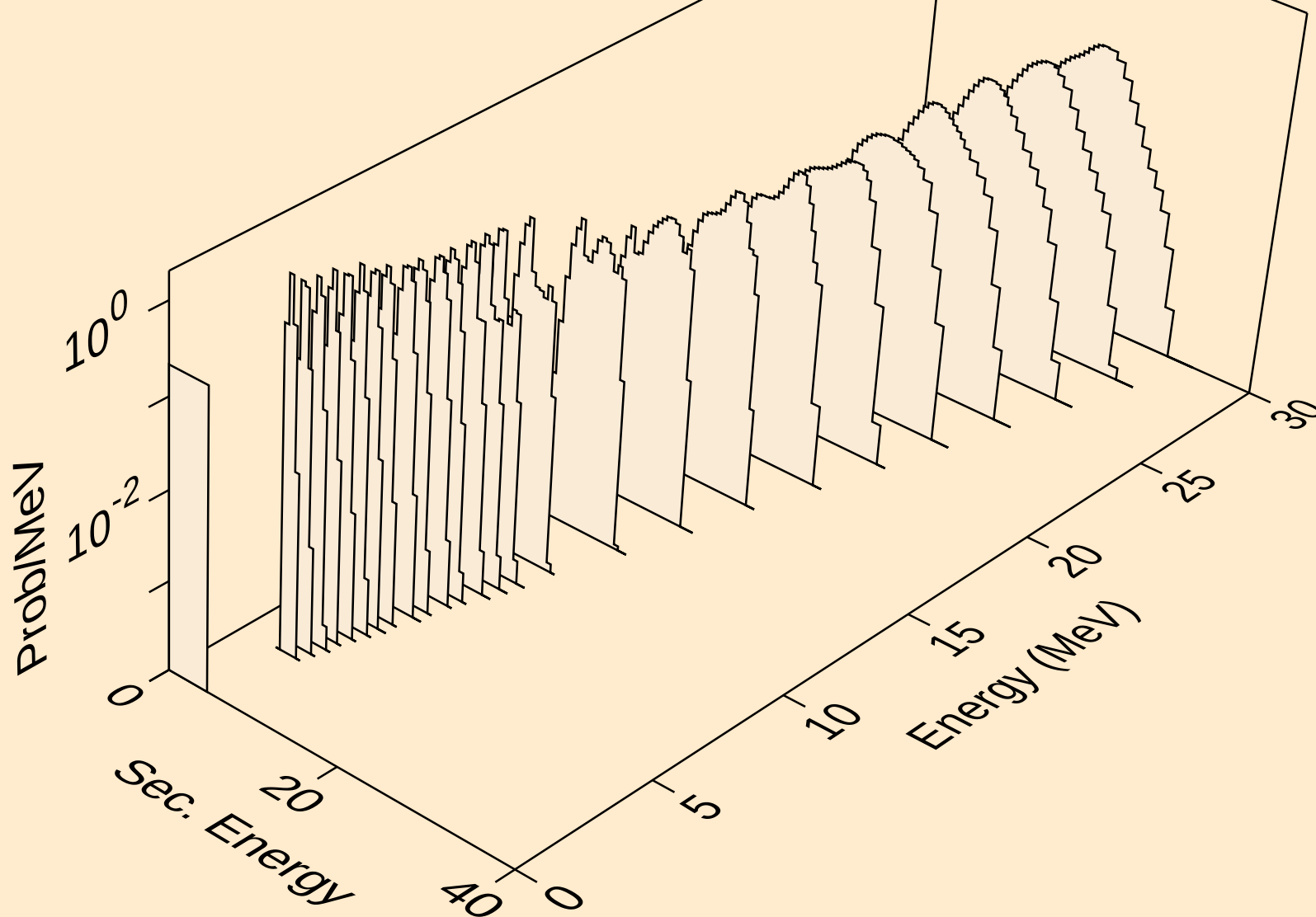
TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



TB154 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

