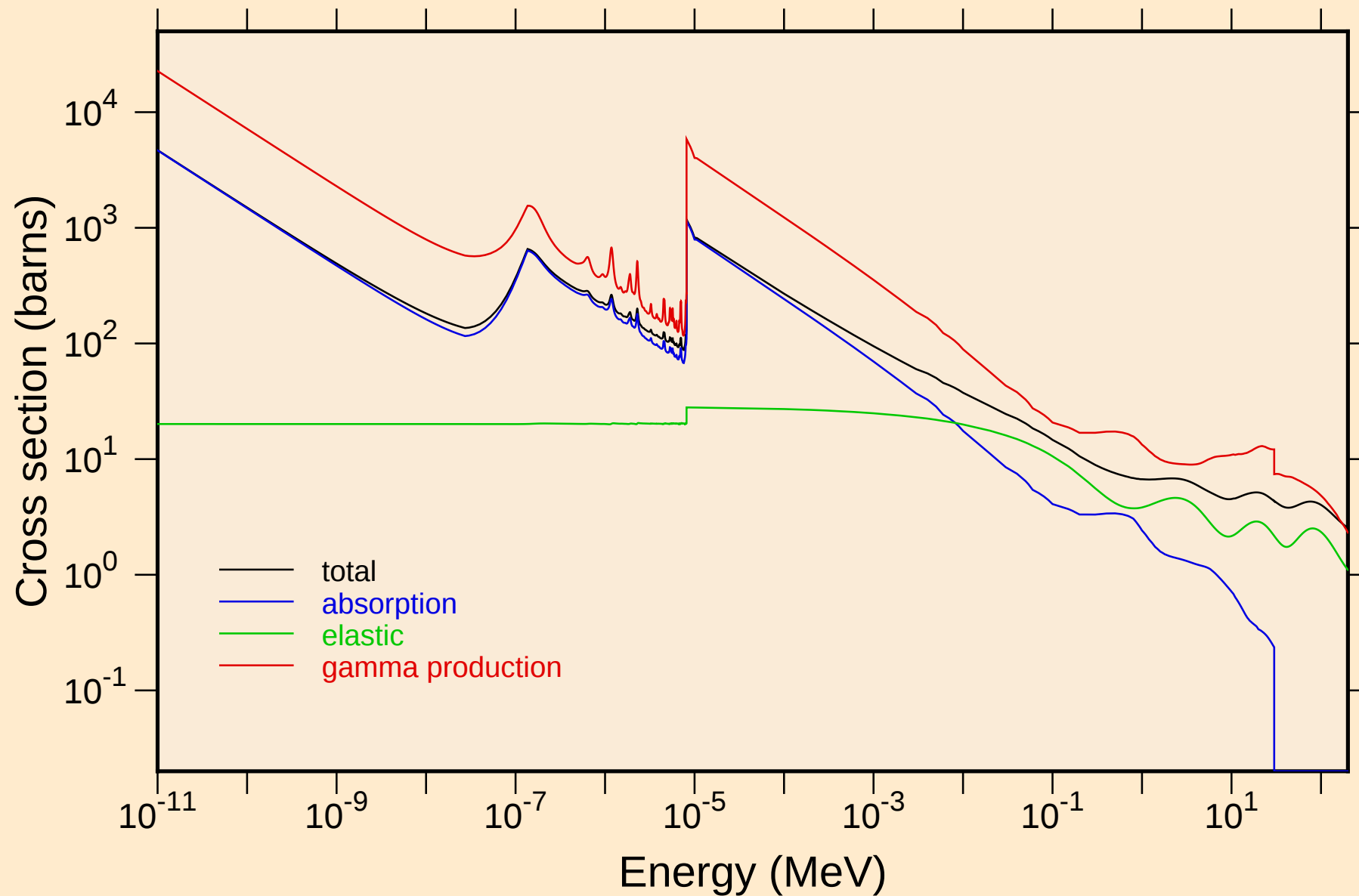
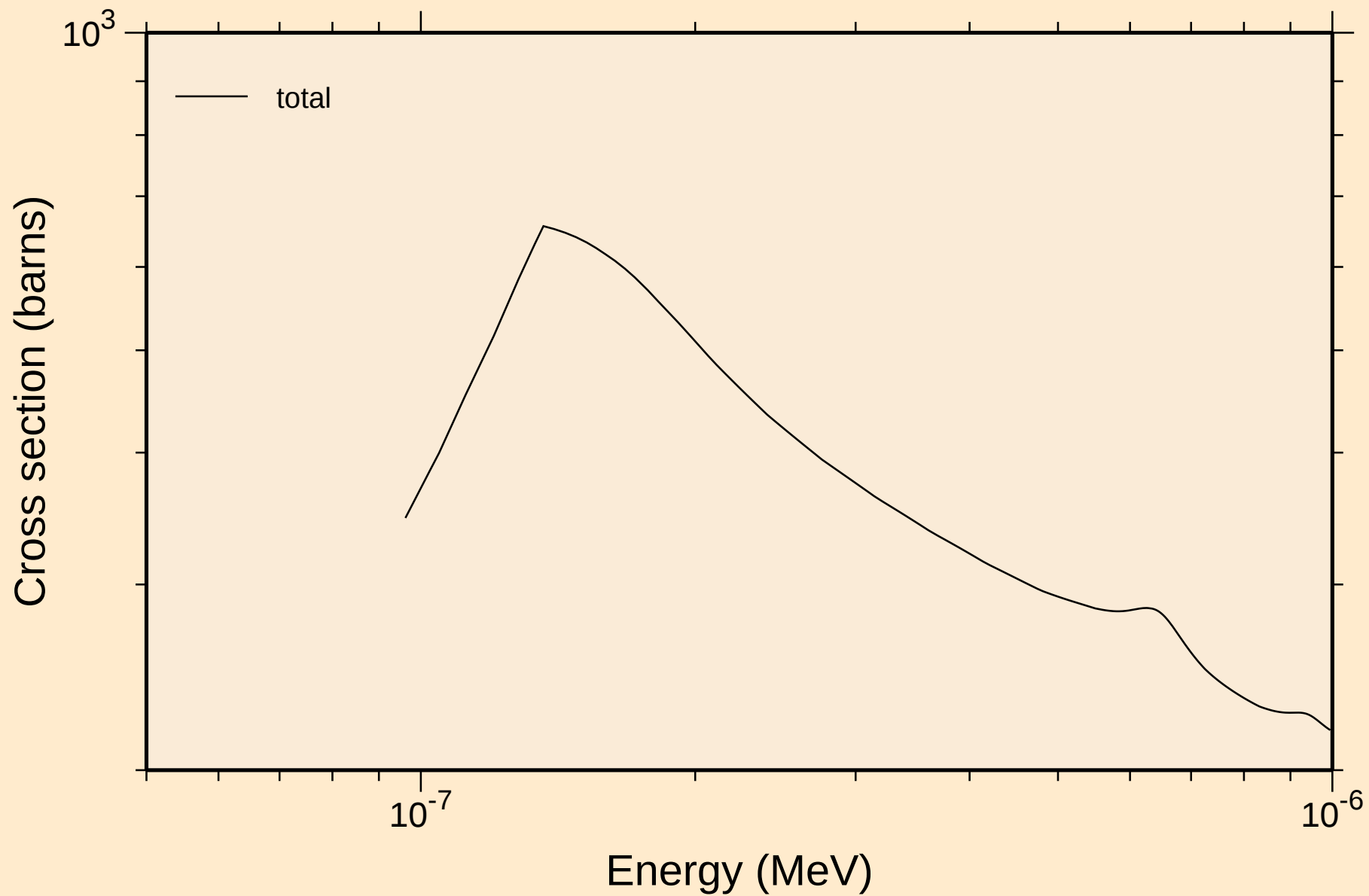


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

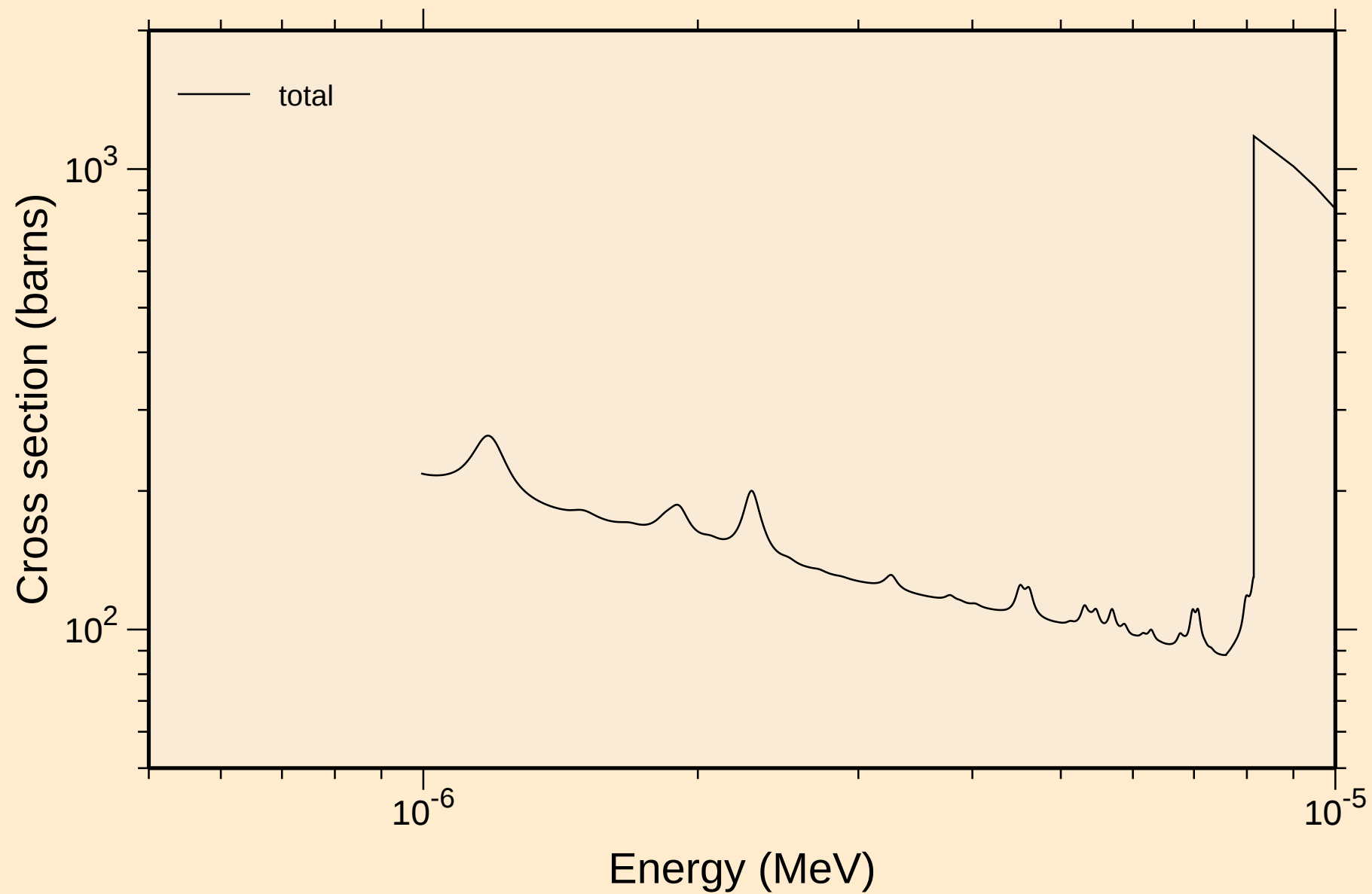
Principal cross sections



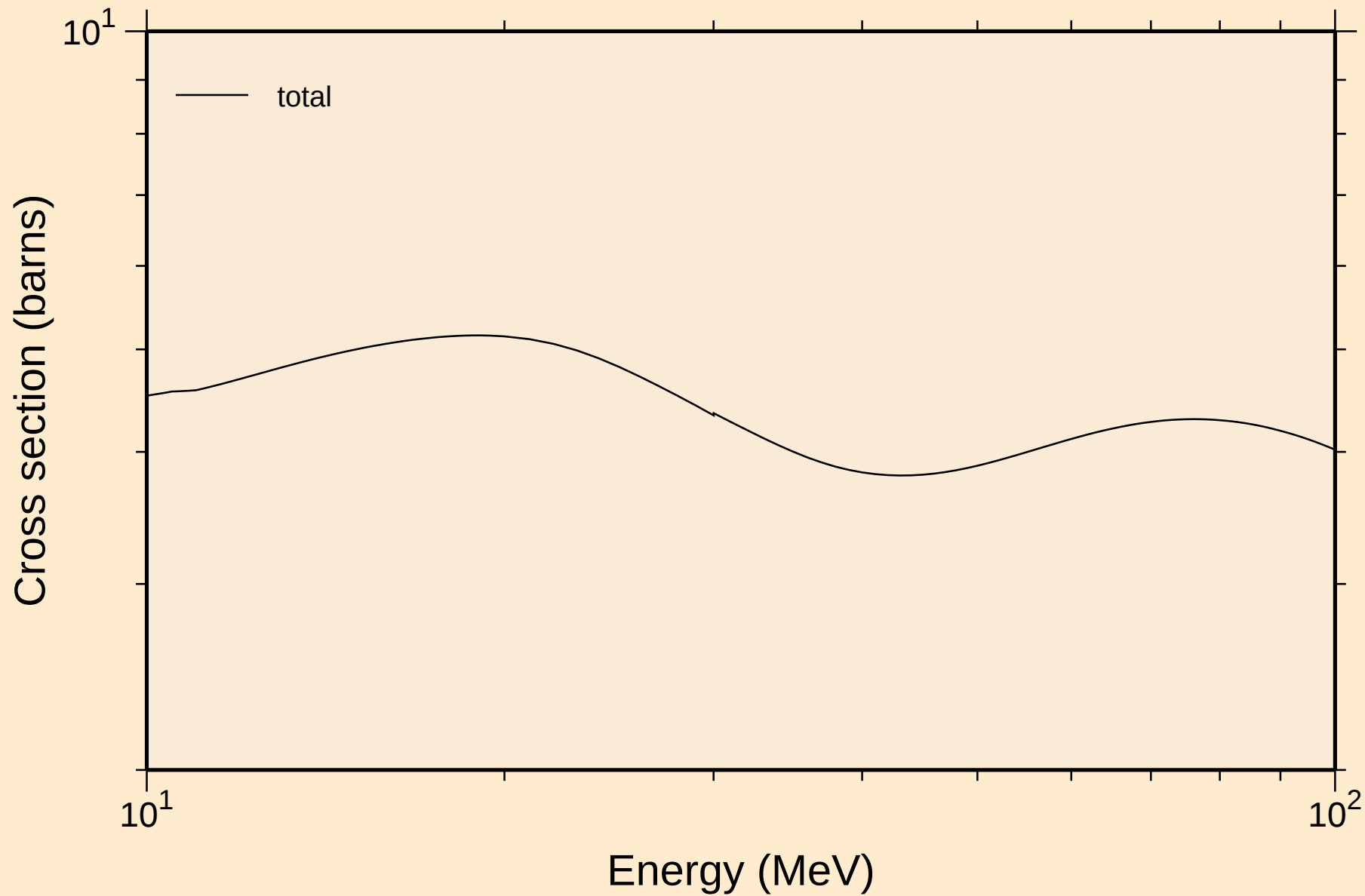
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



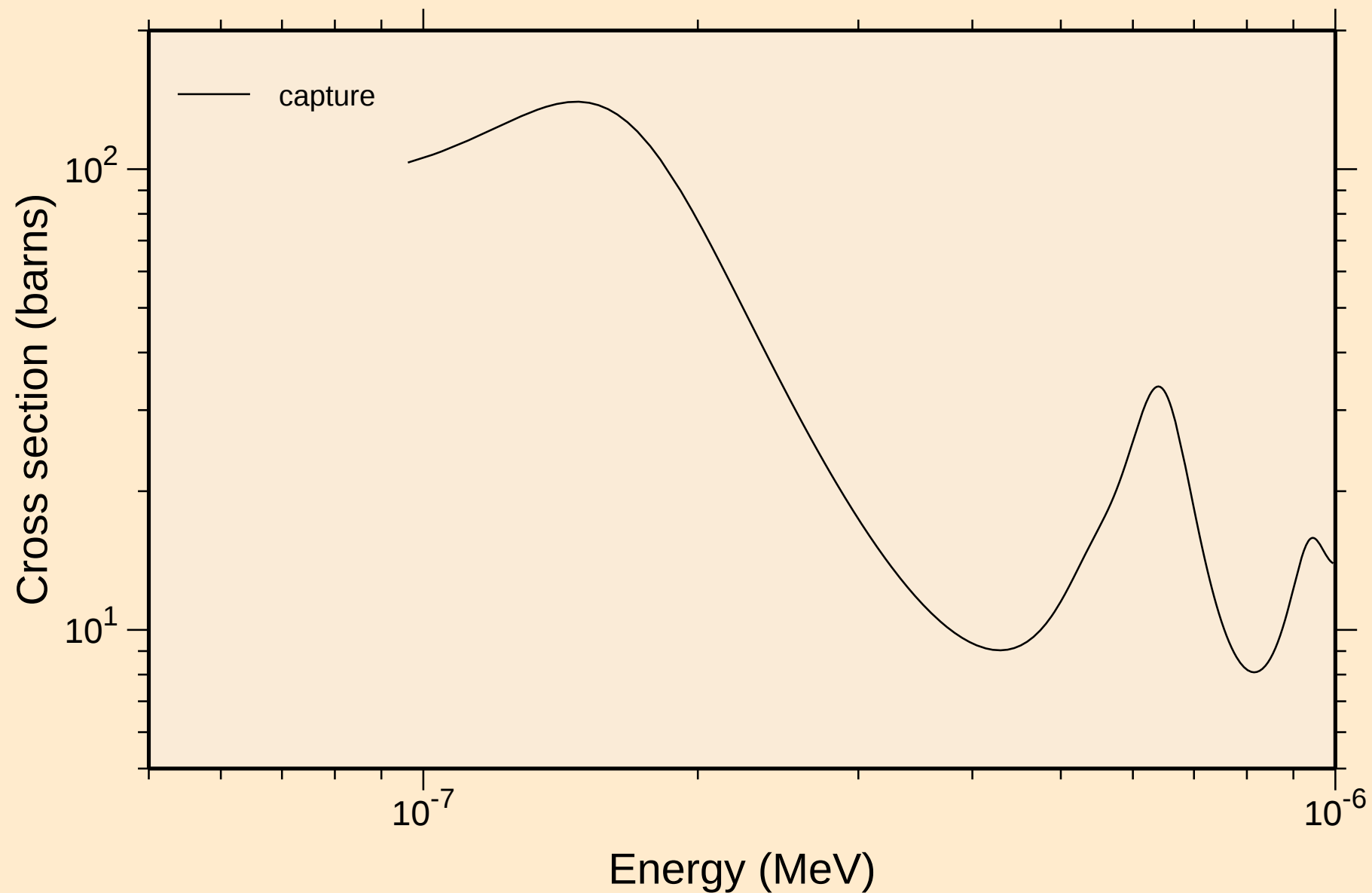
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



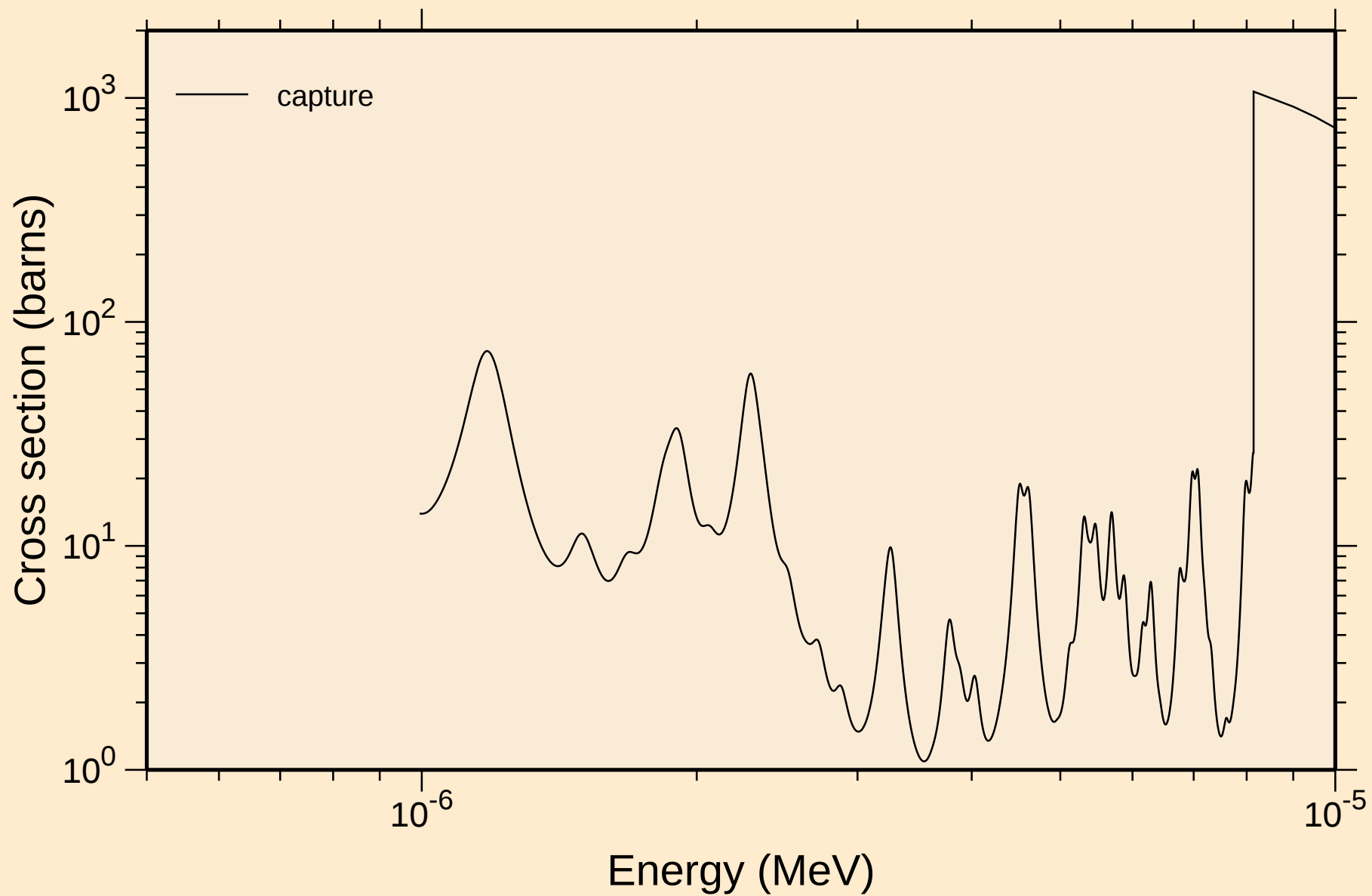
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resonance total cross section



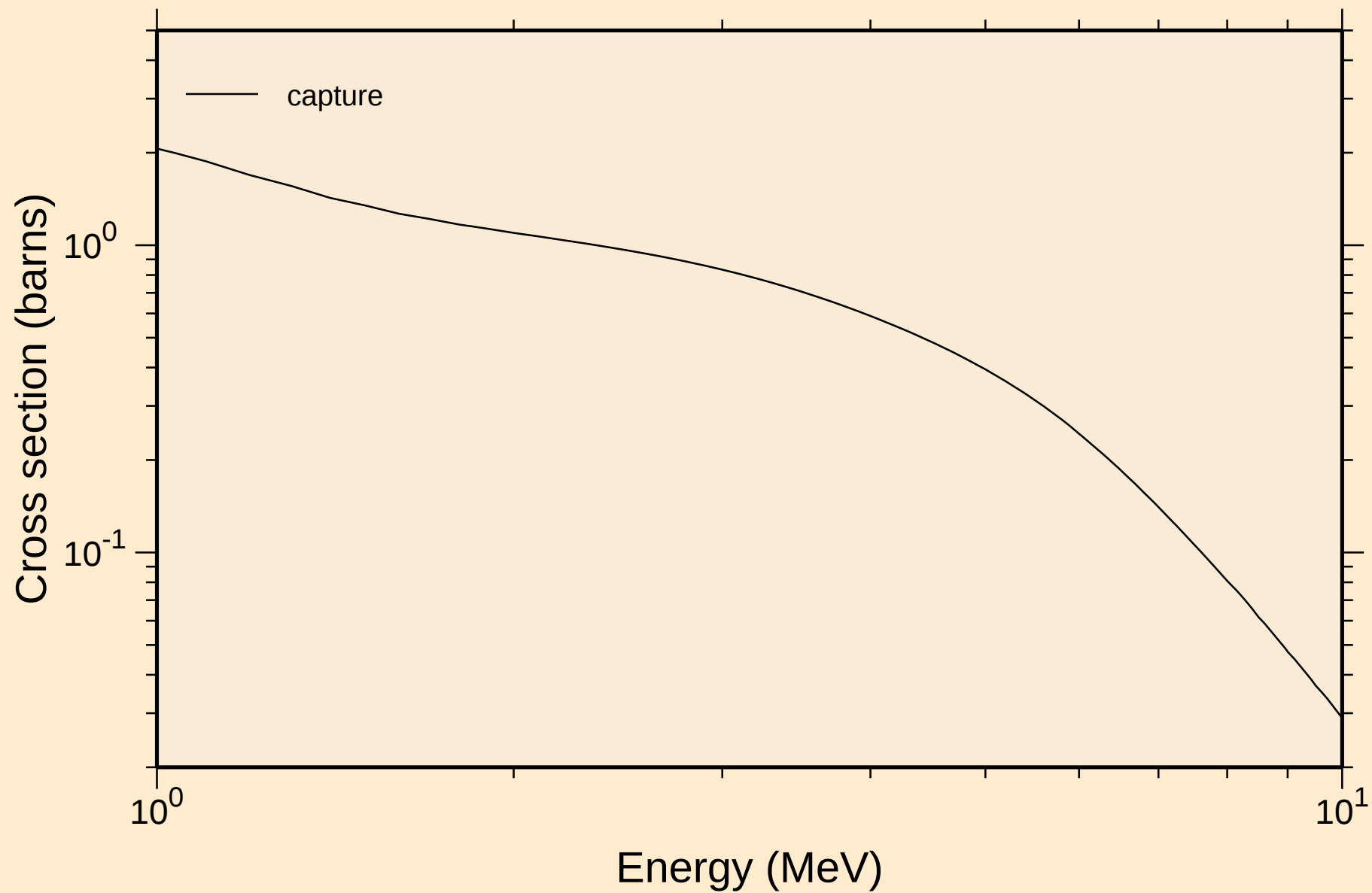
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

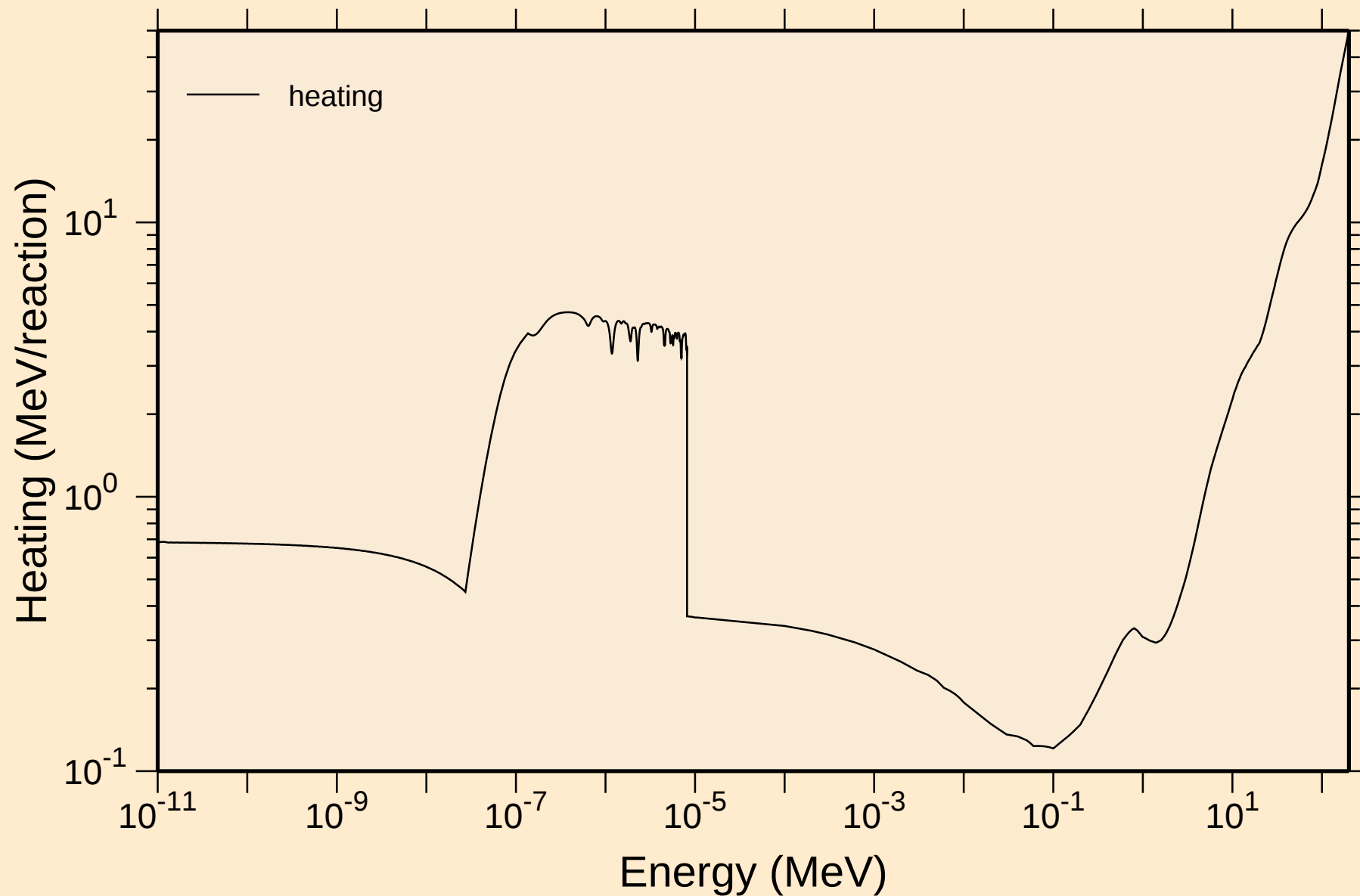


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



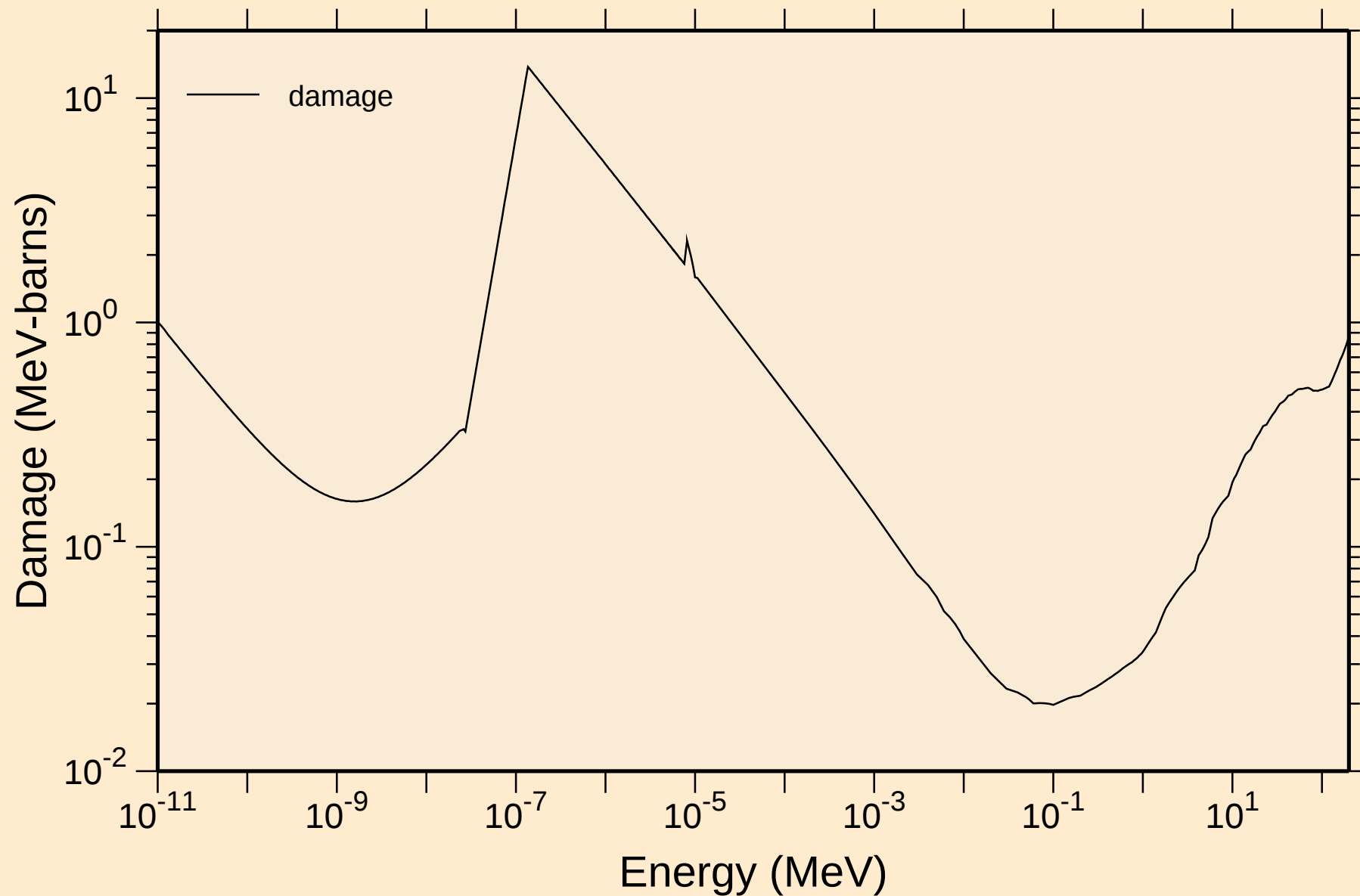
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

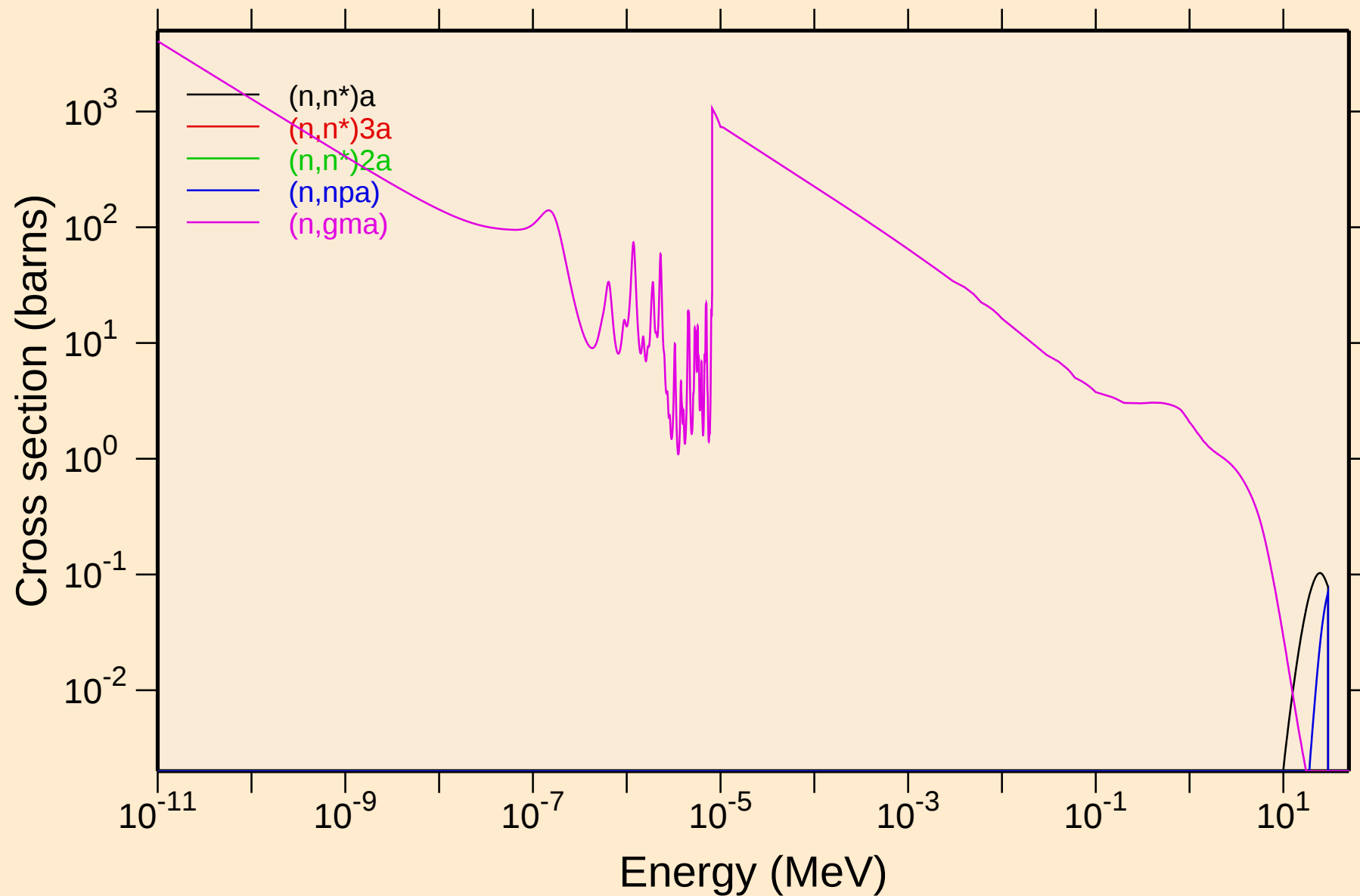


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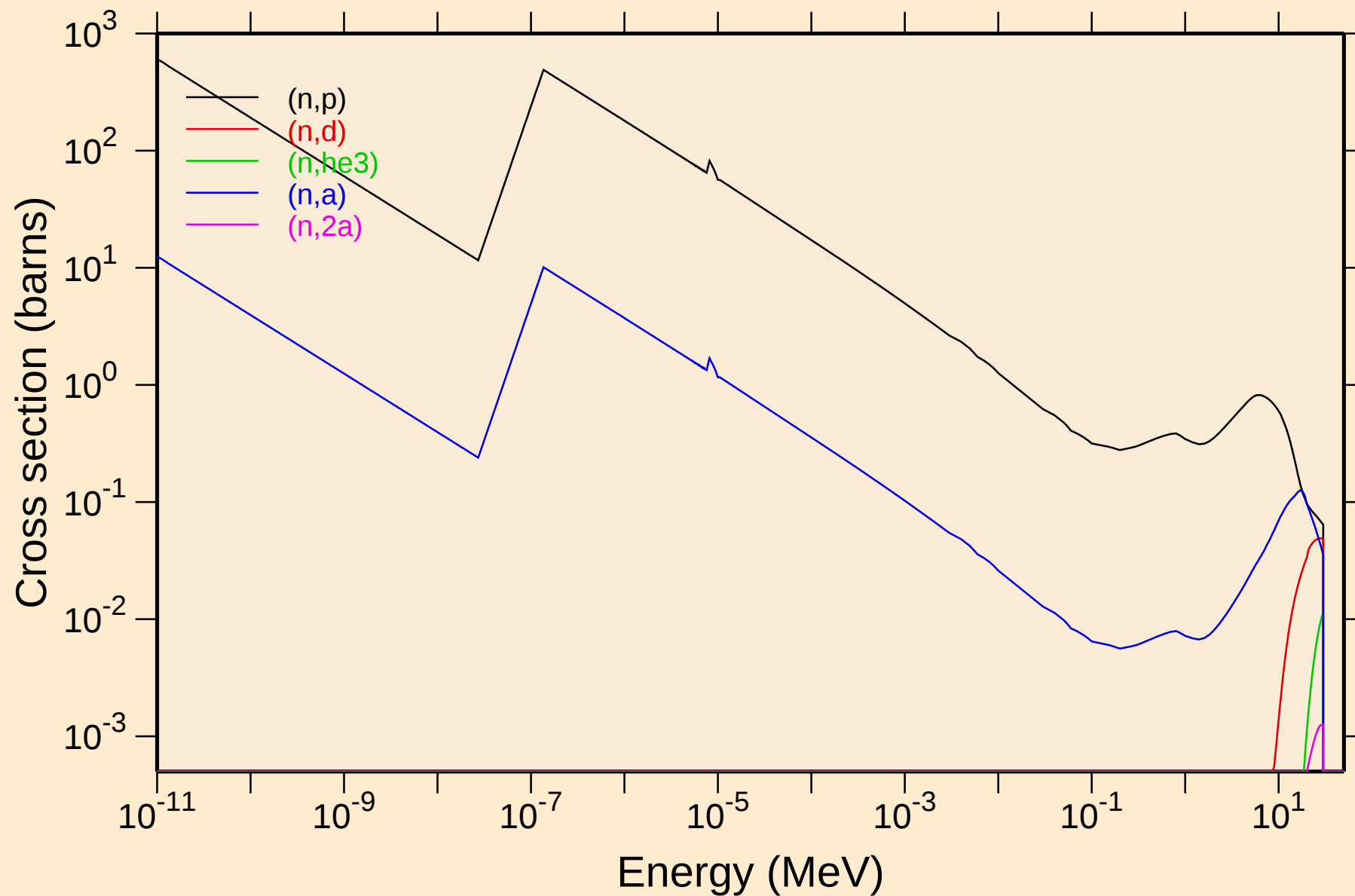
Damage



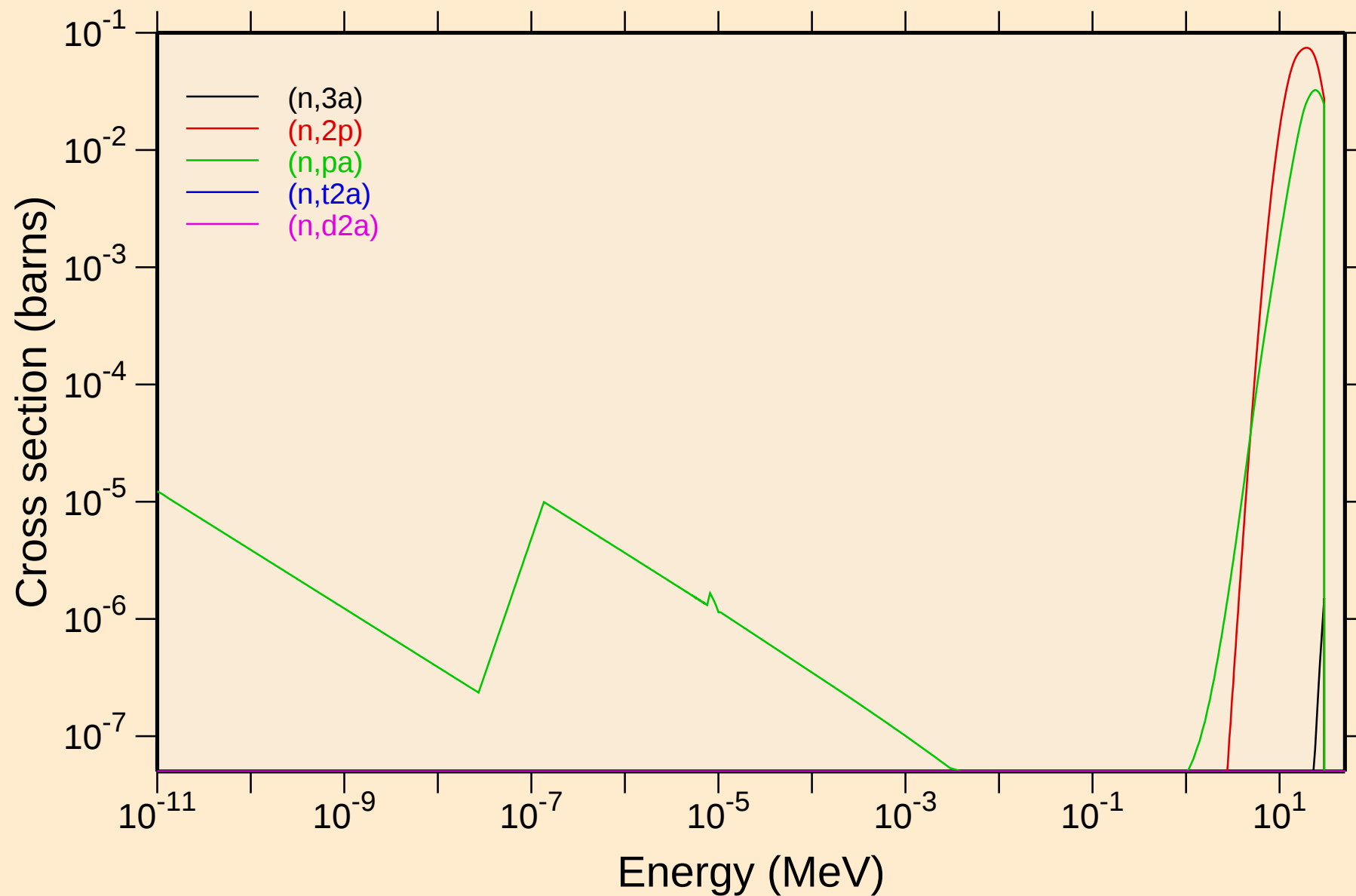
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



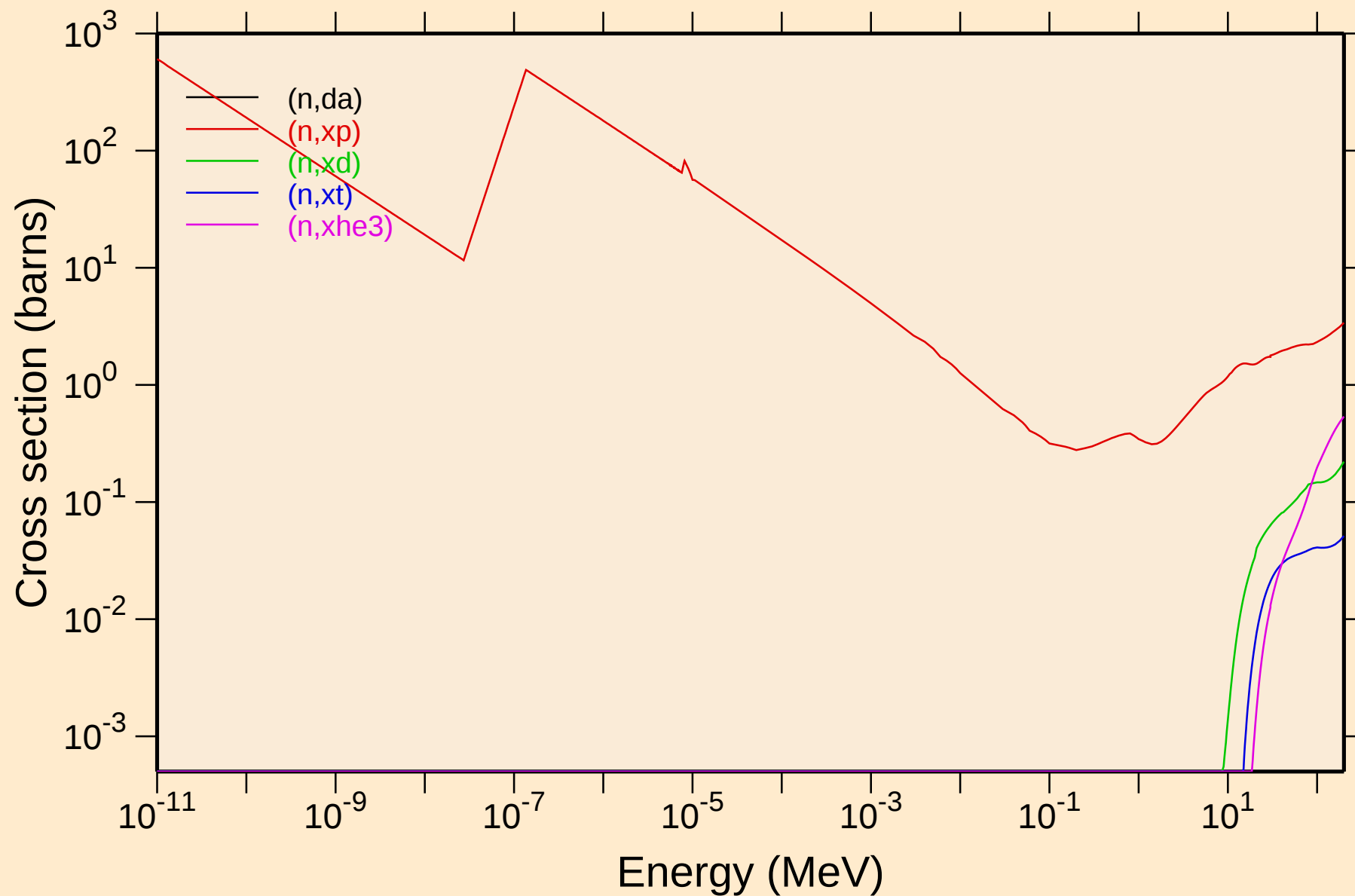
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



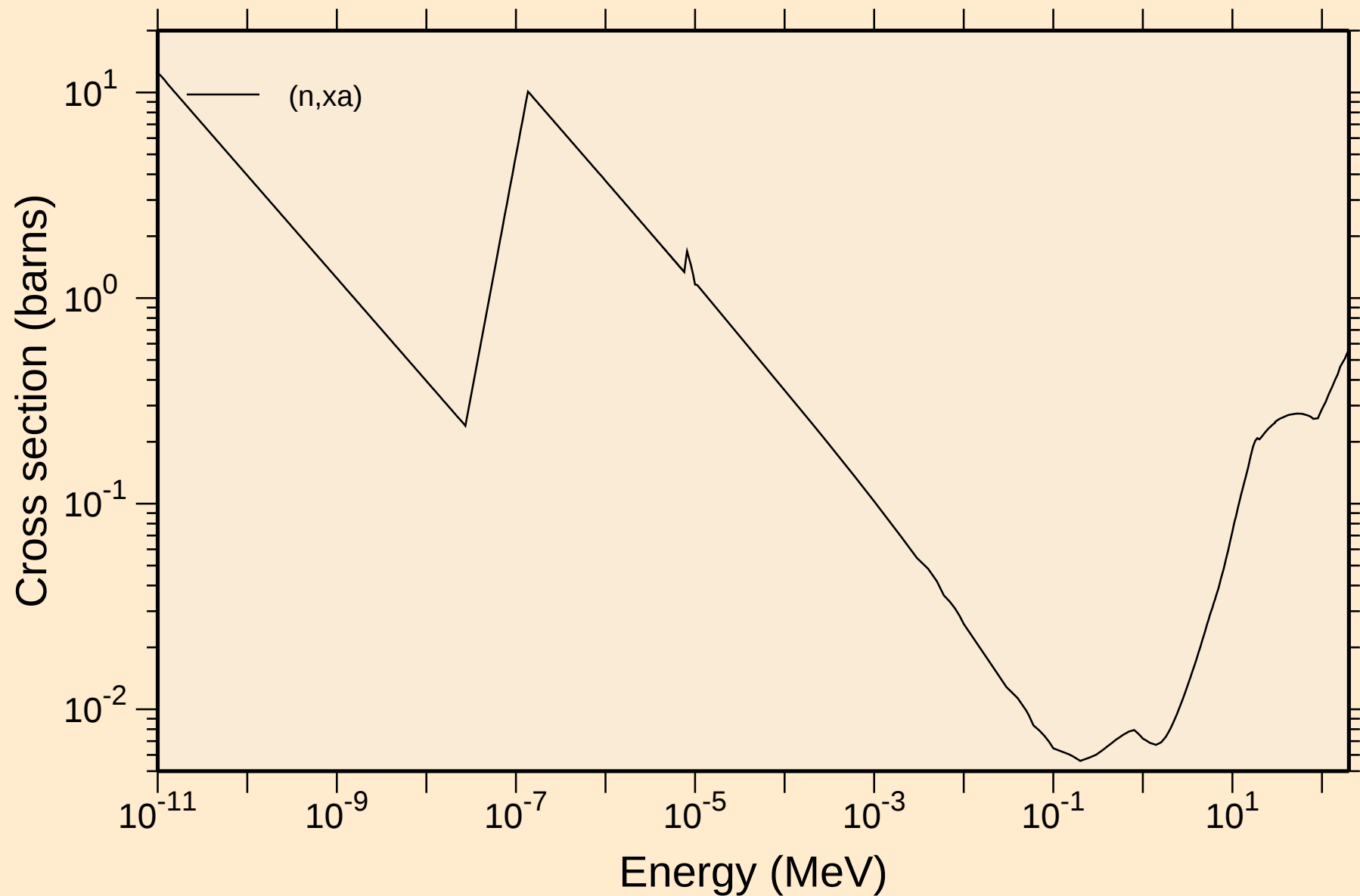
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

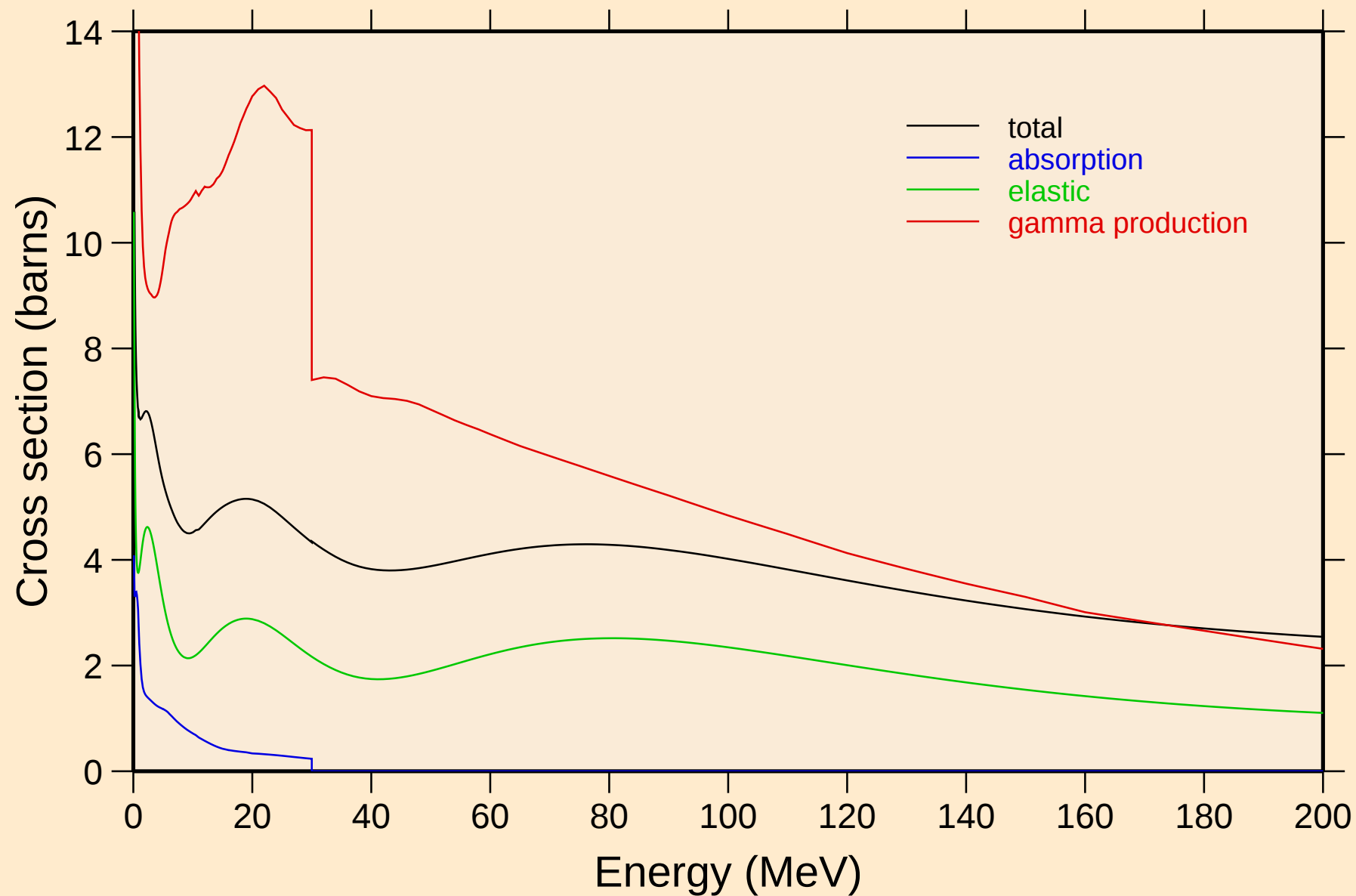


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



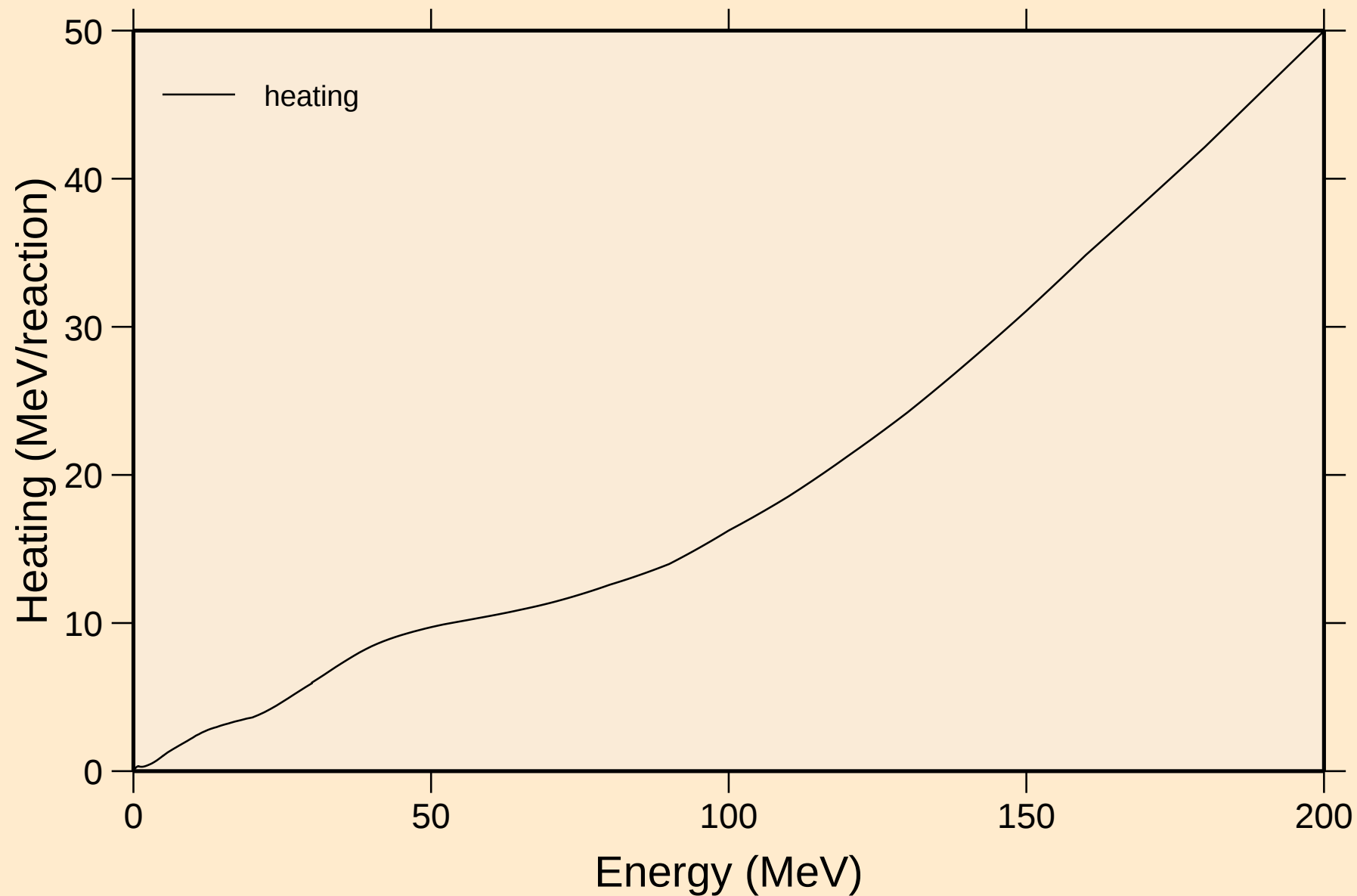
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



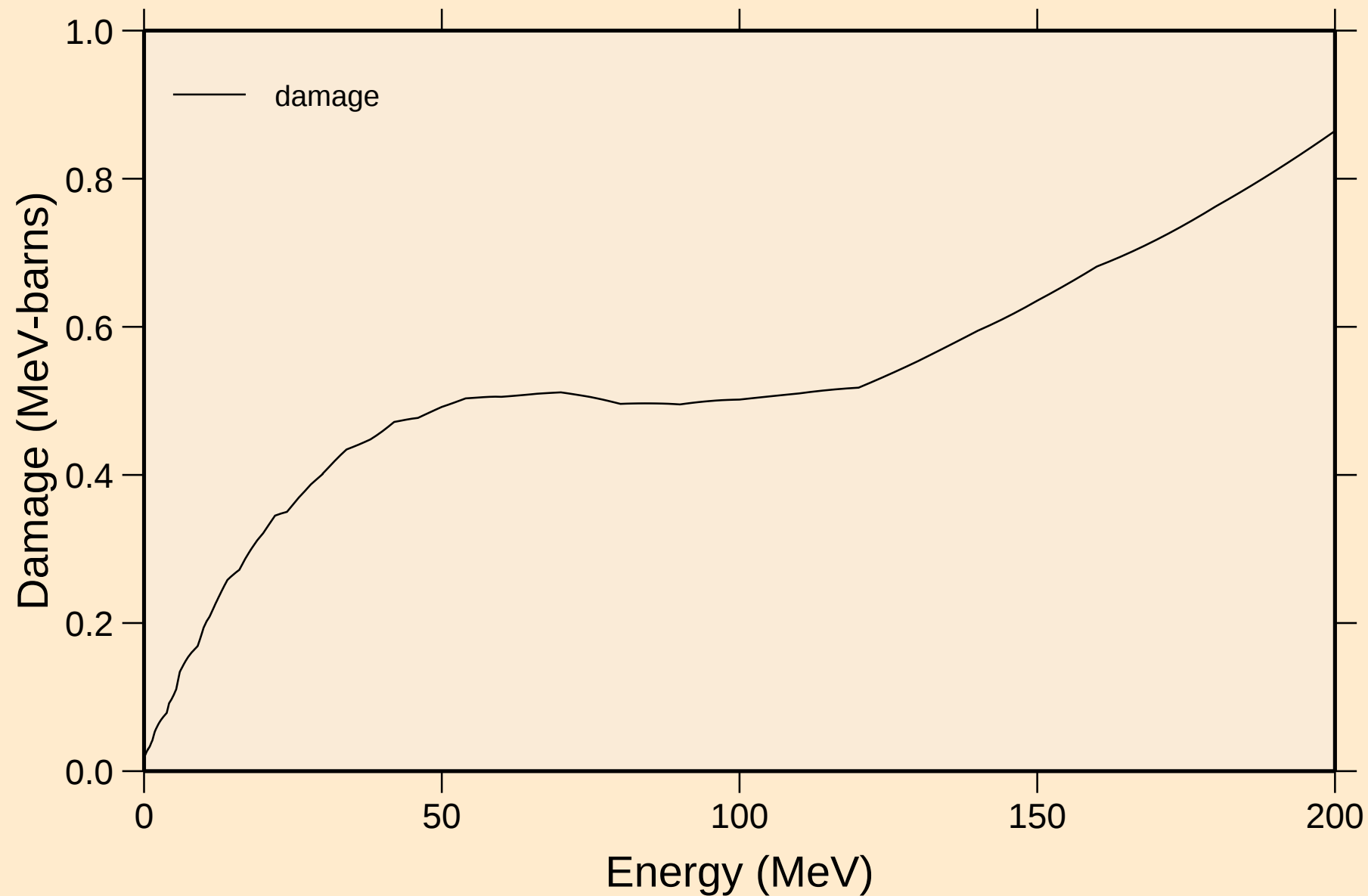
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

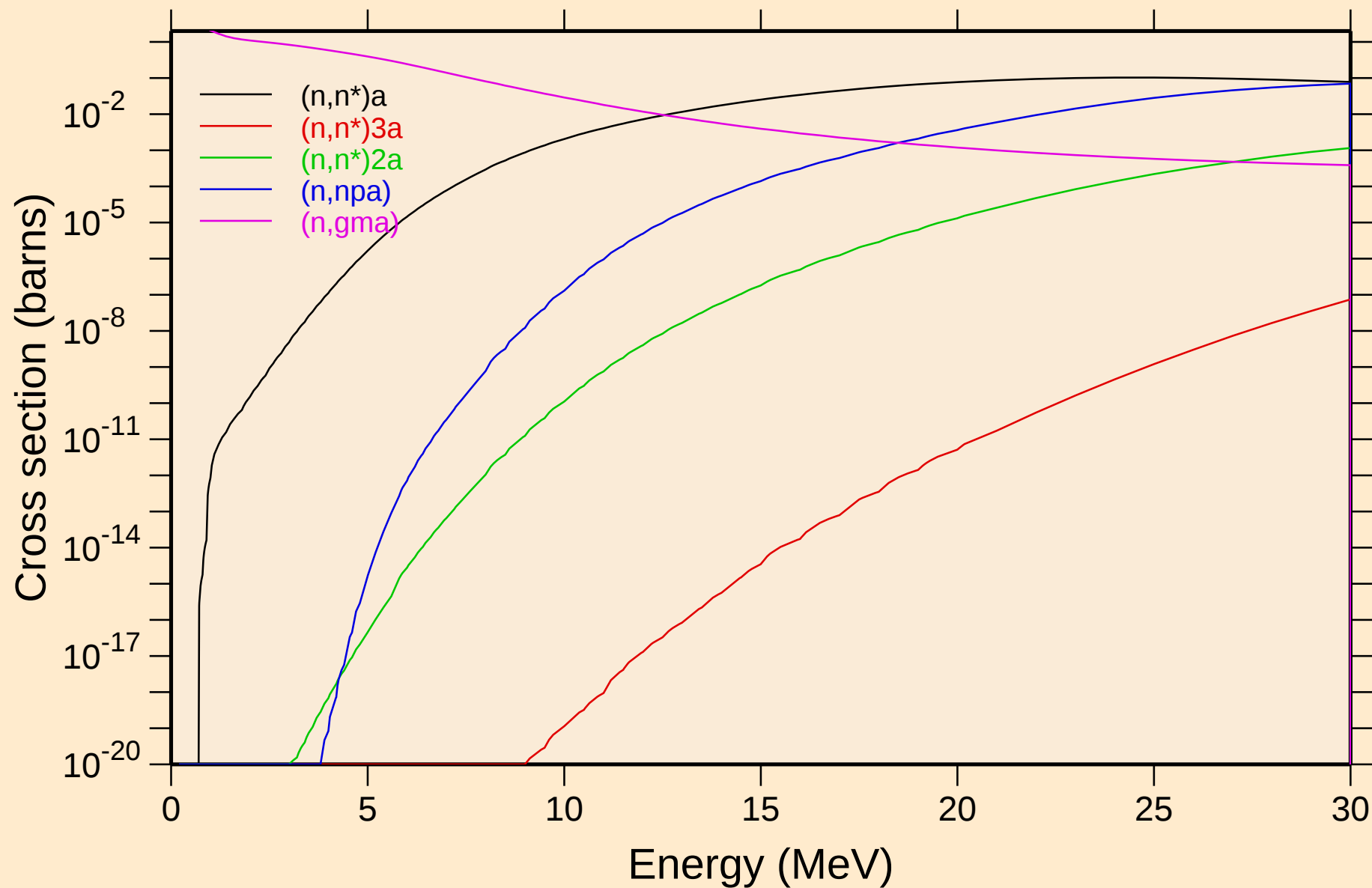


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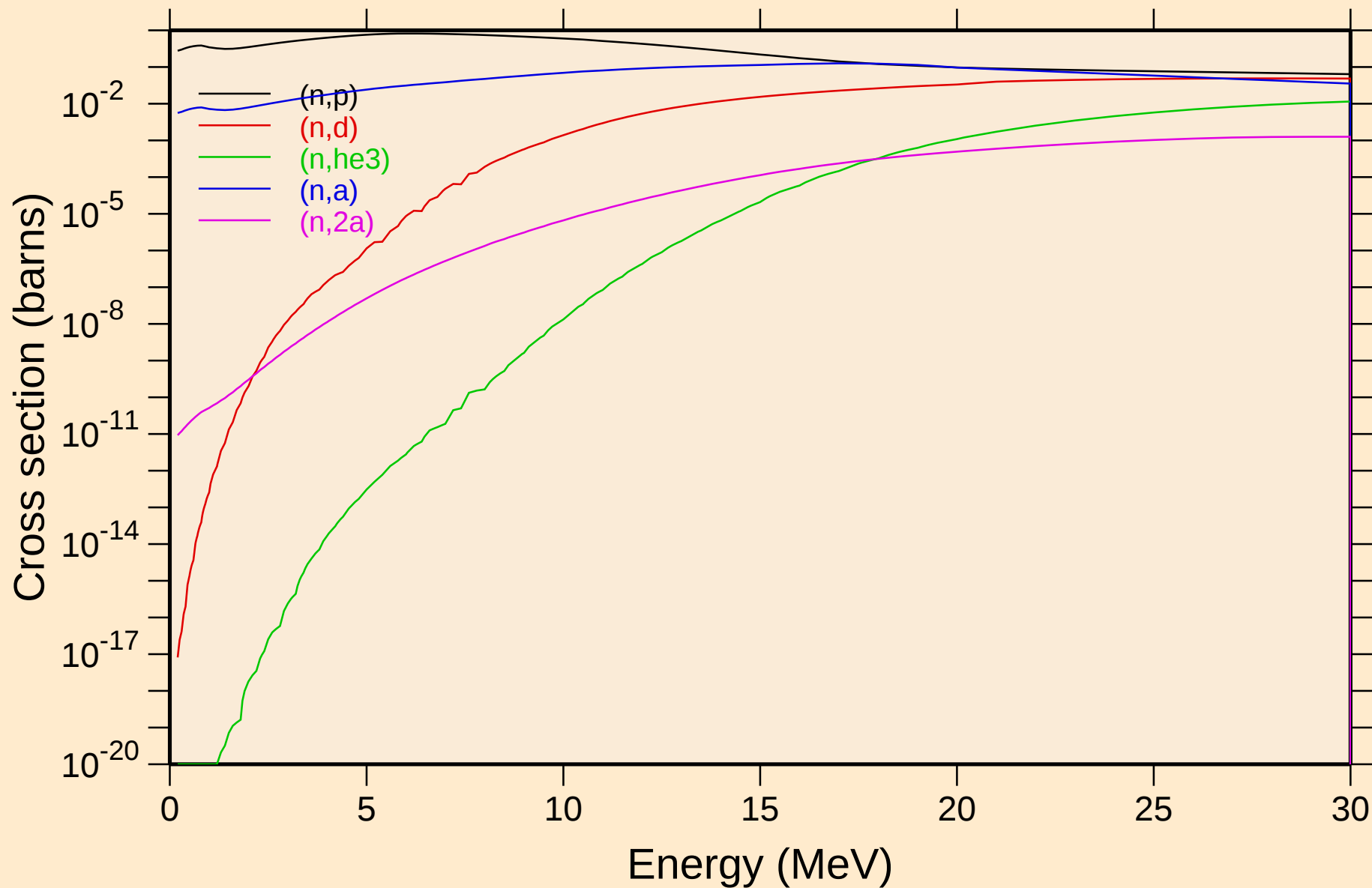
Damage



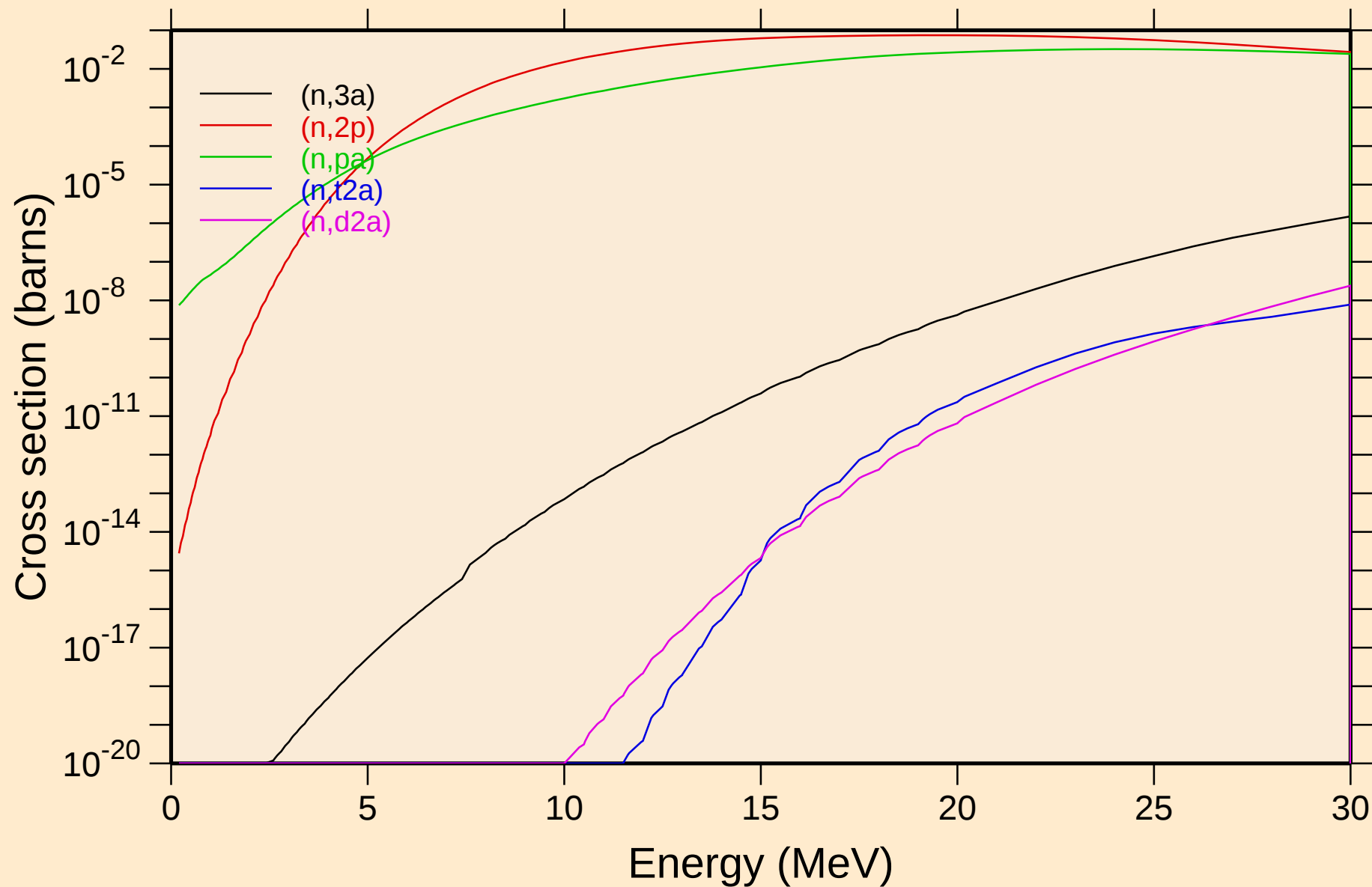
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



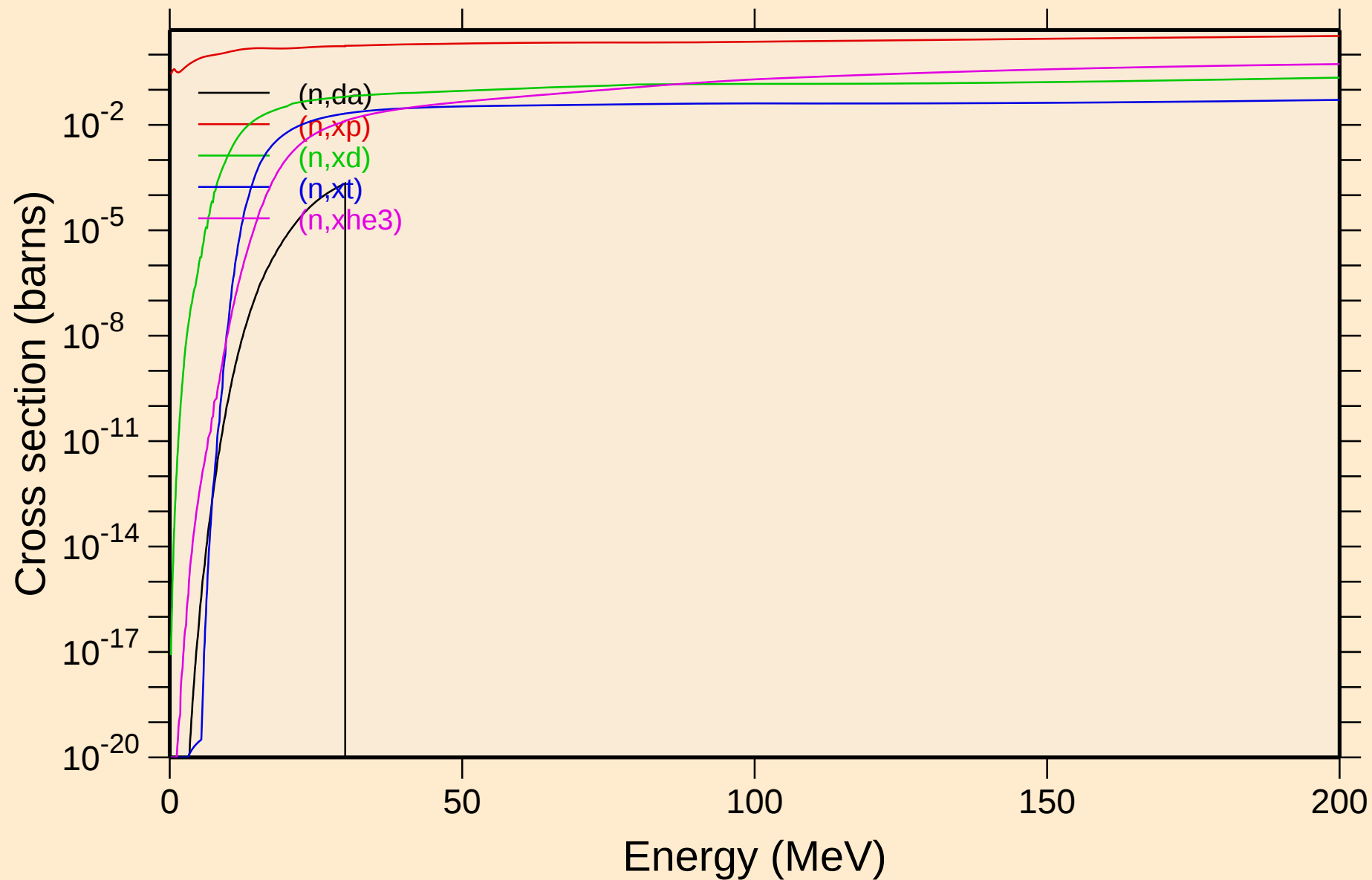
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



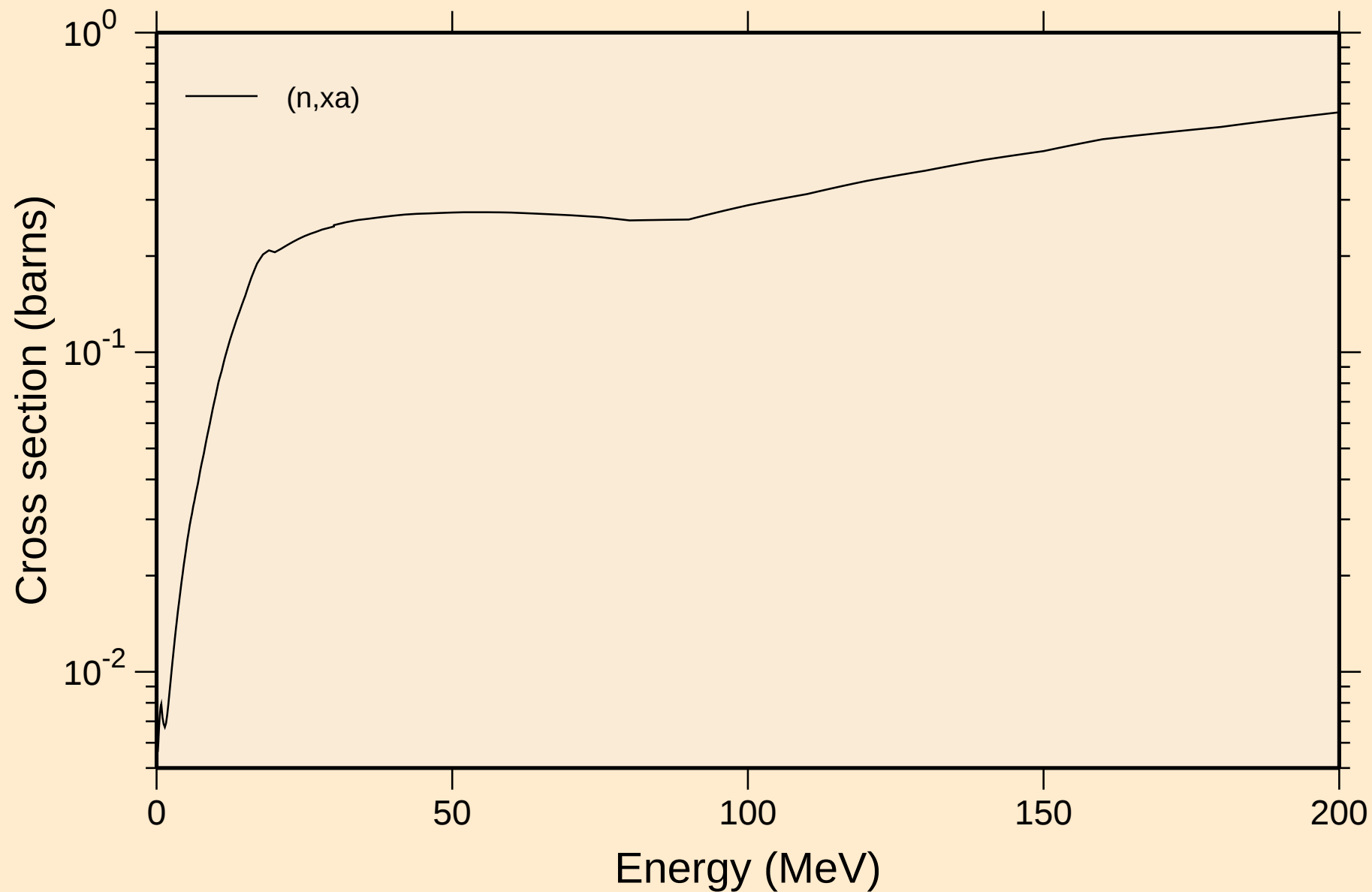
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

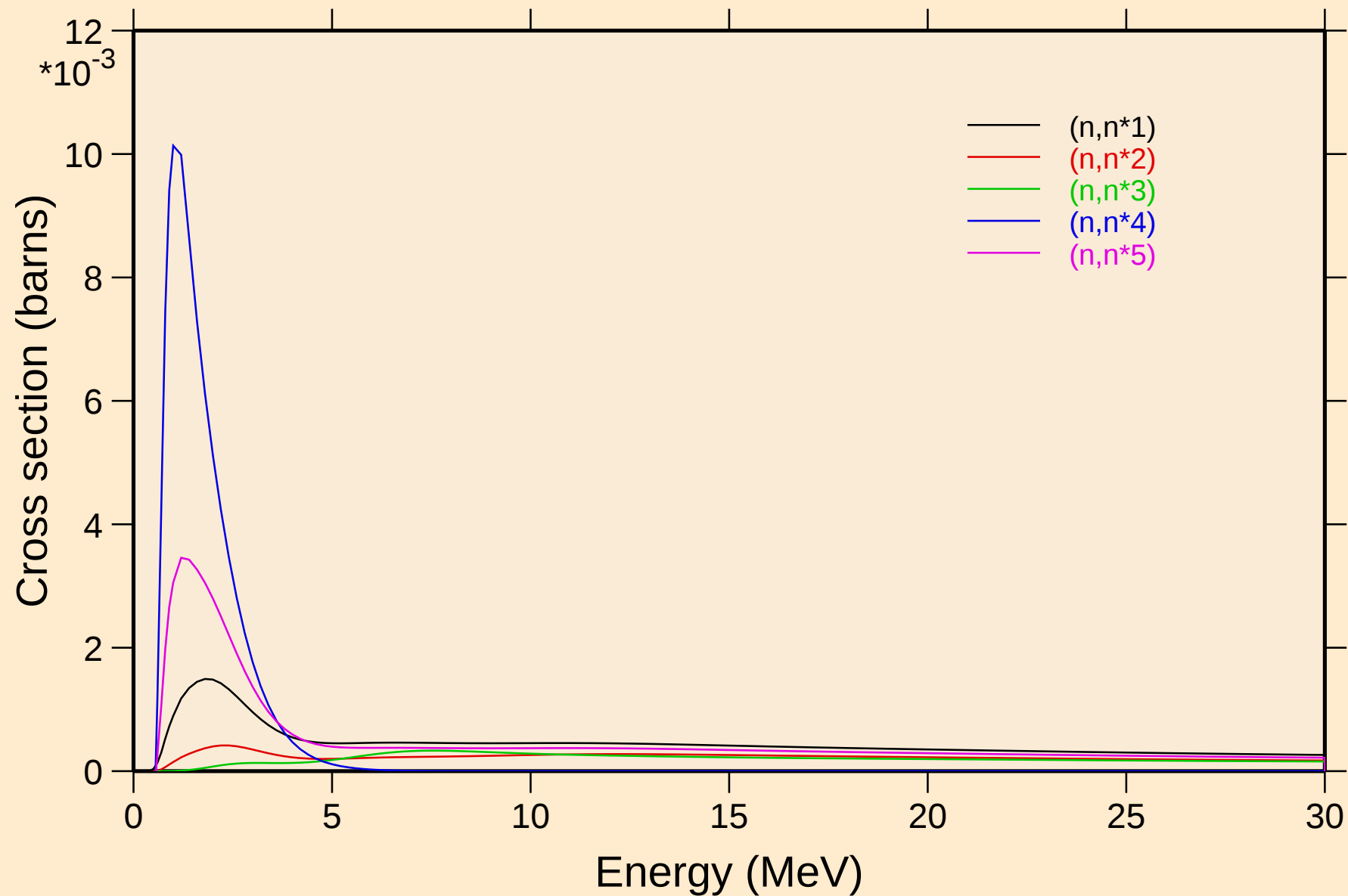


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



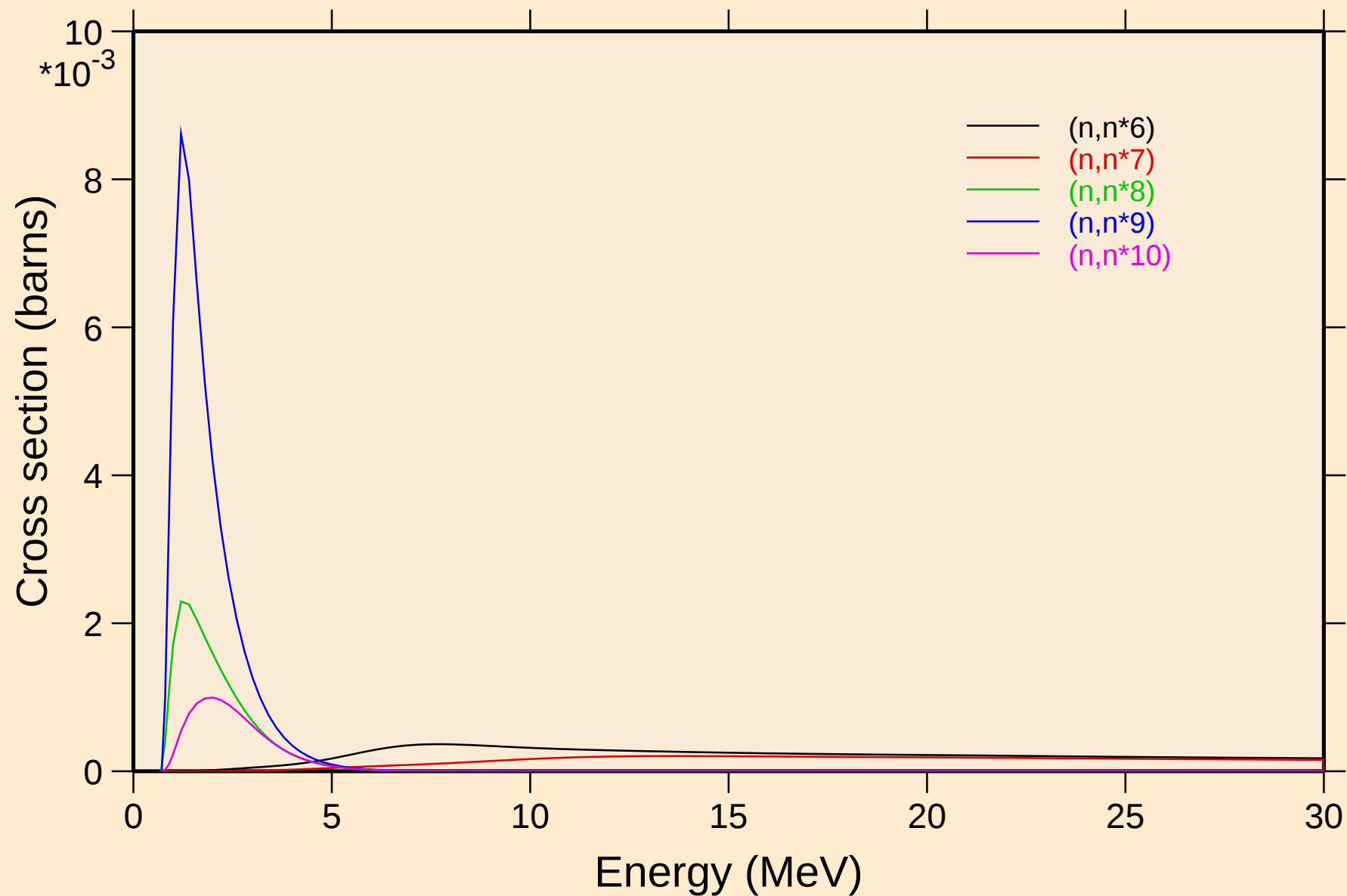
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



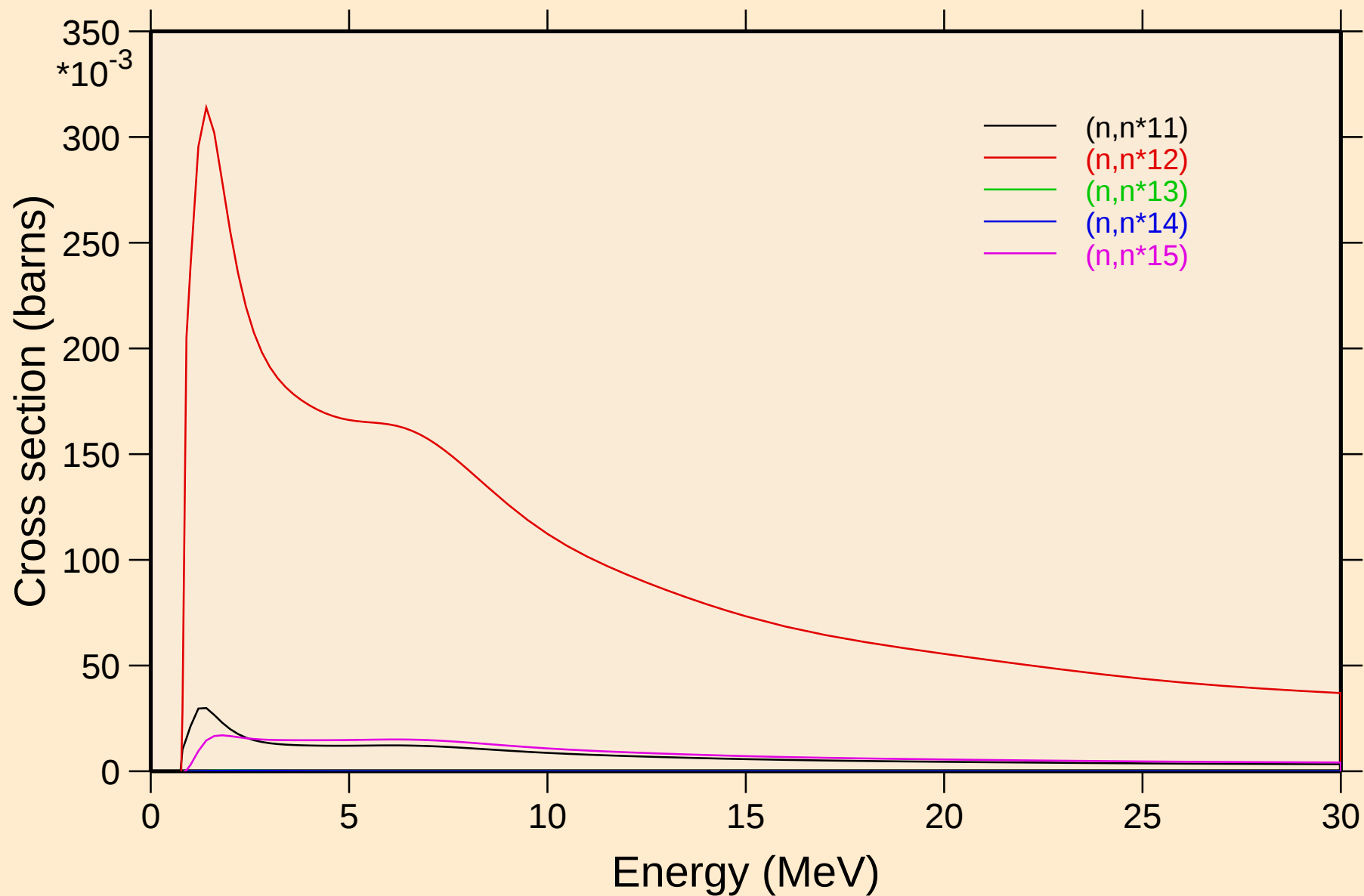
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

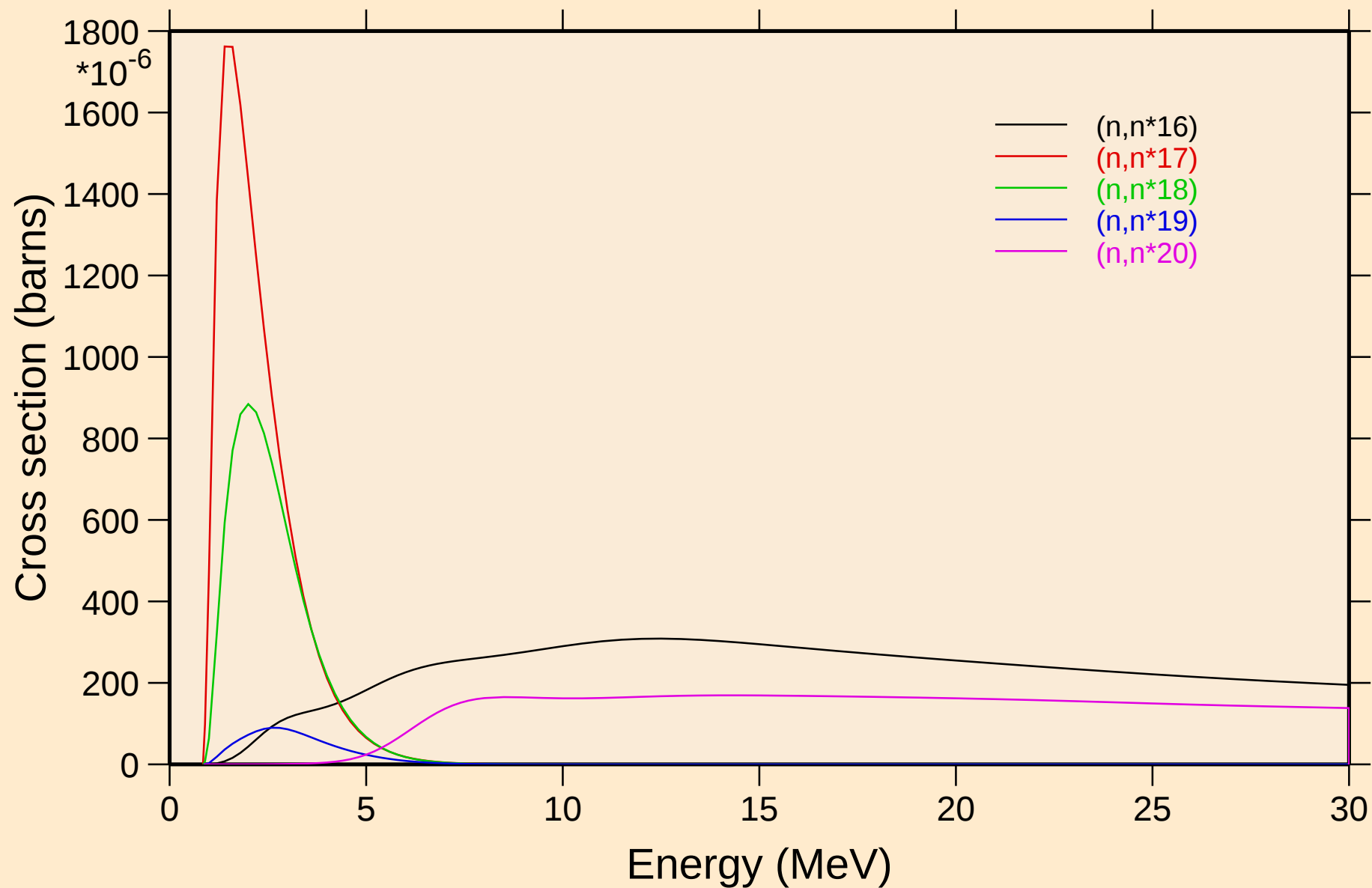


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

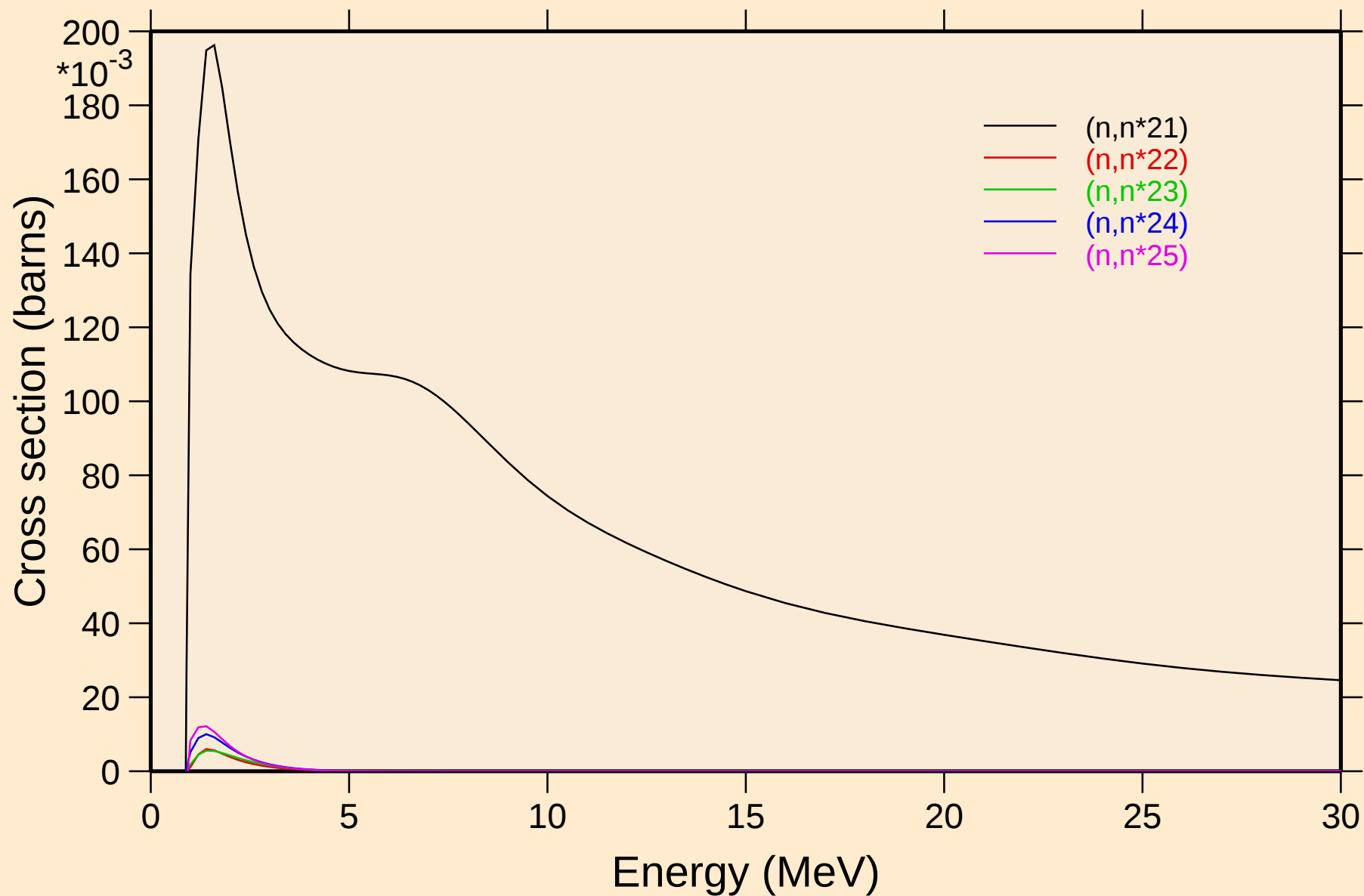


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



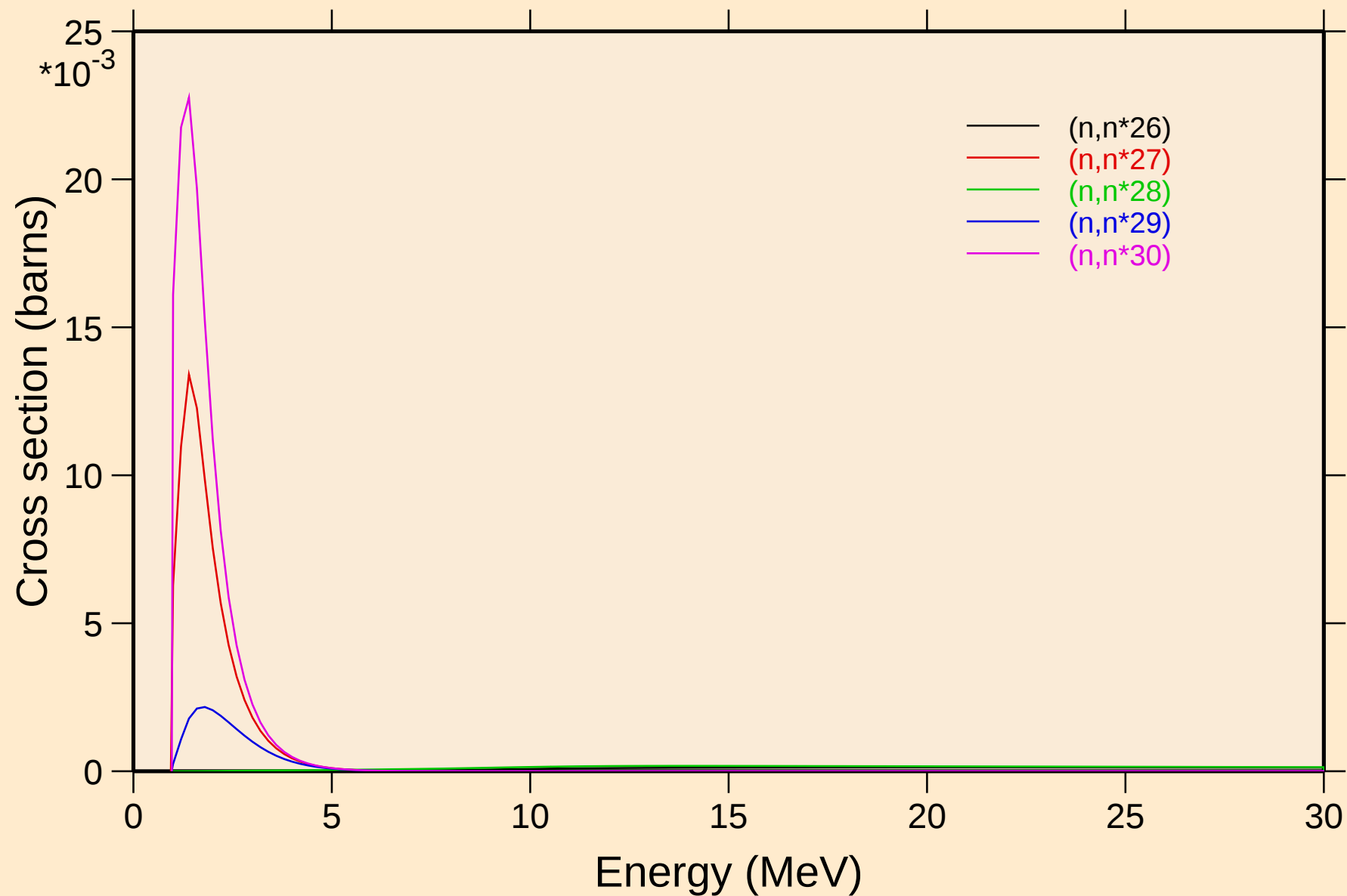
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Inelastic levels



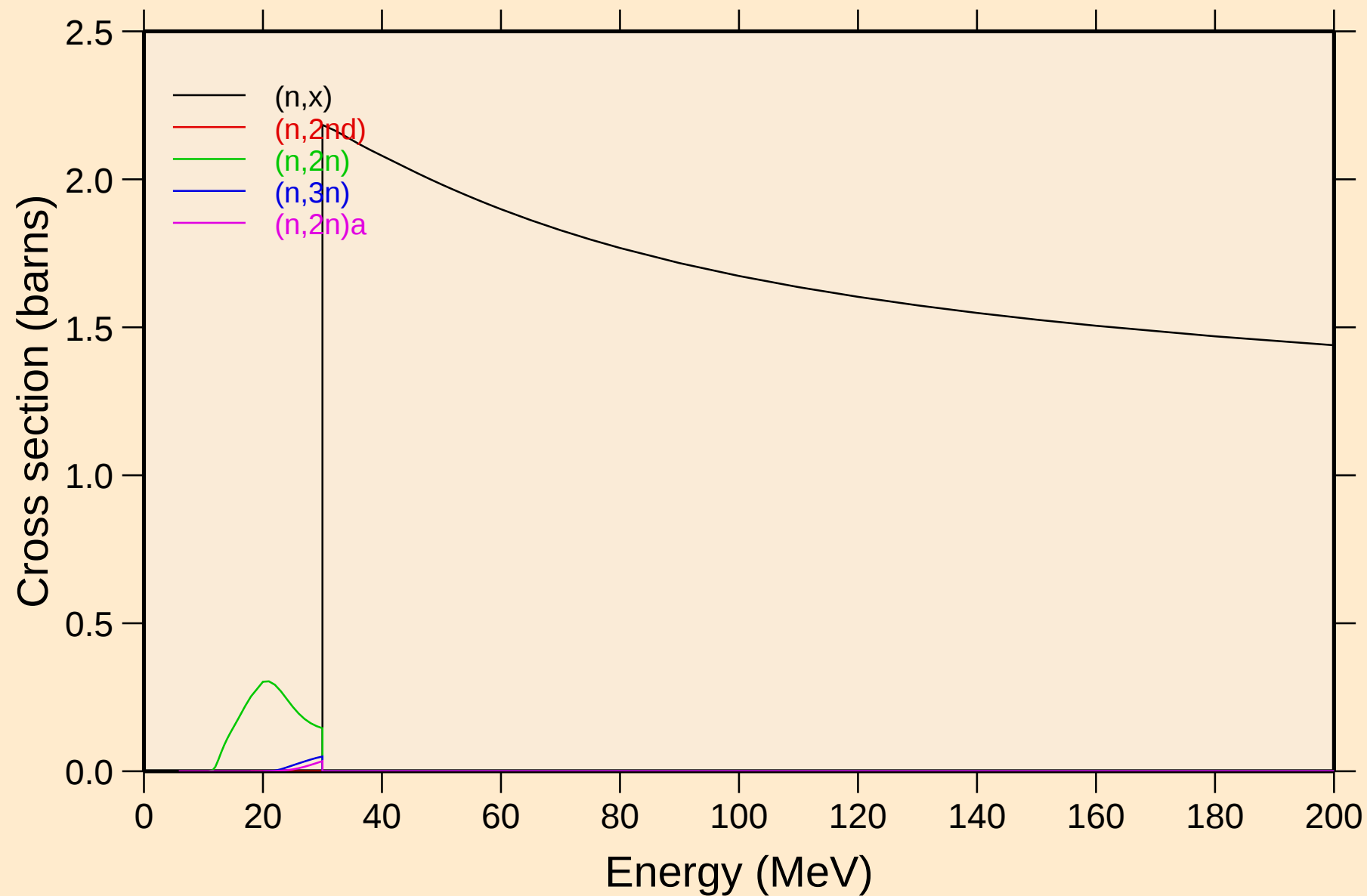
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Inelastic levels

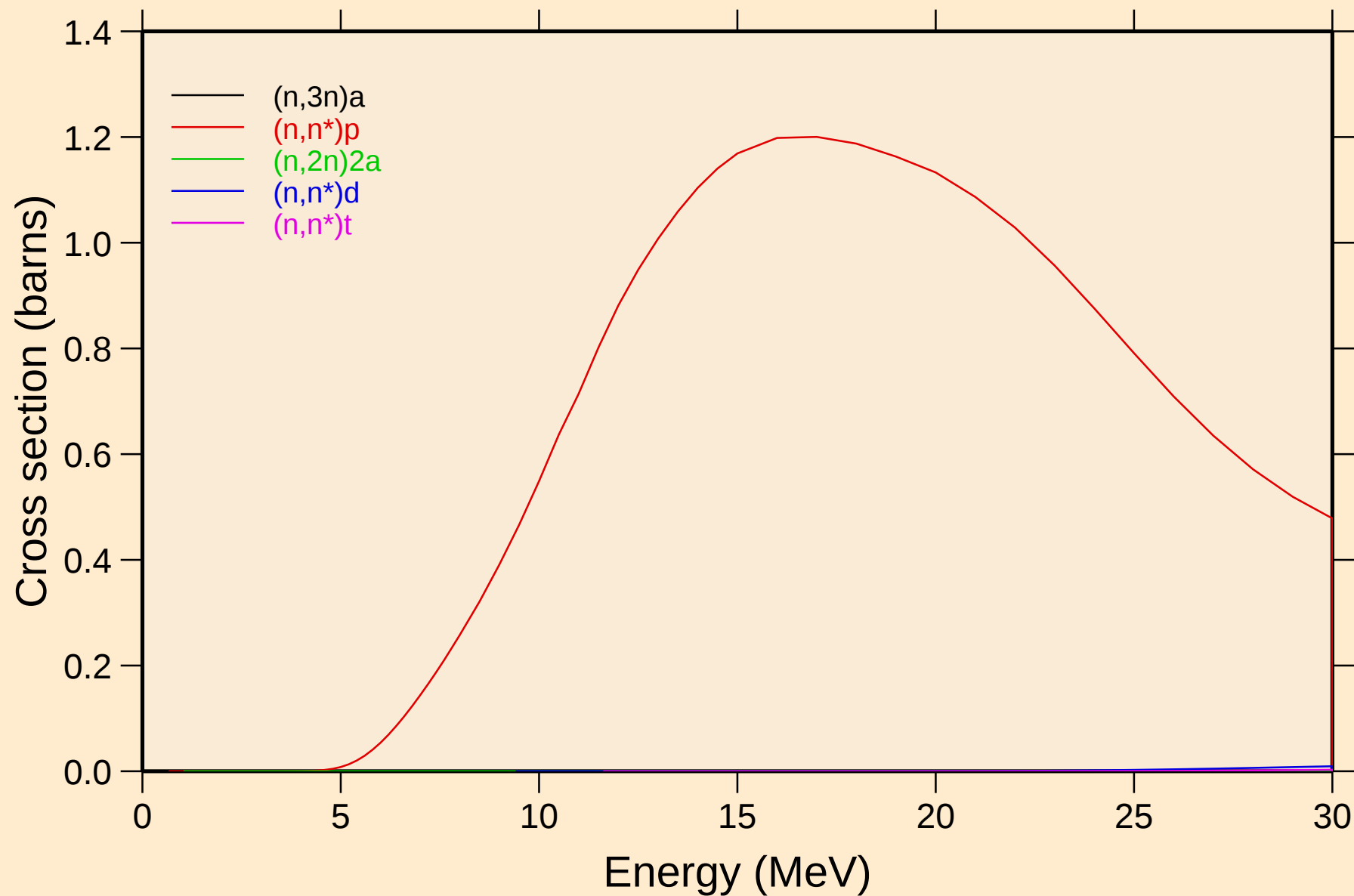


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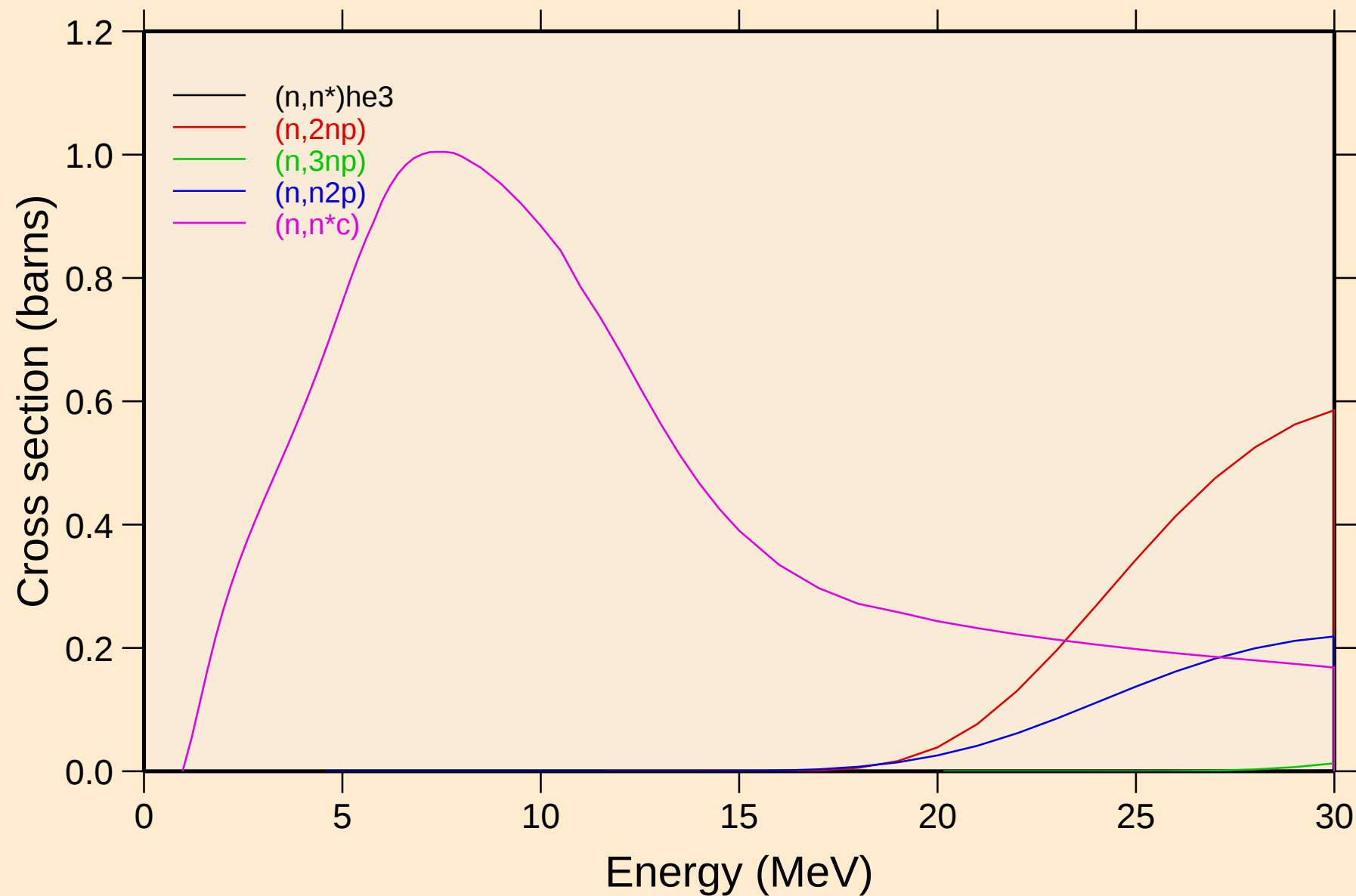
Threshold reactions



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

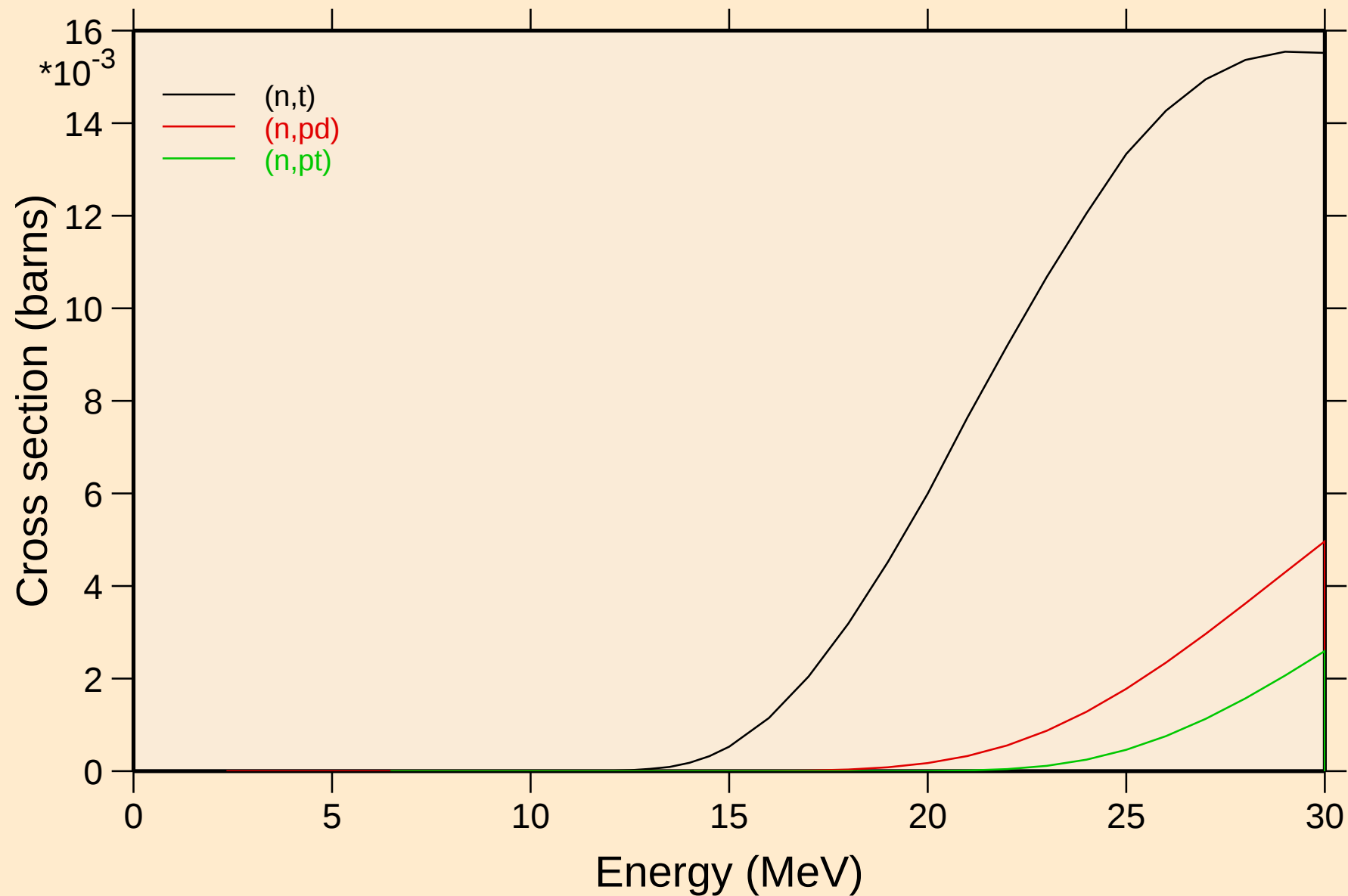


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

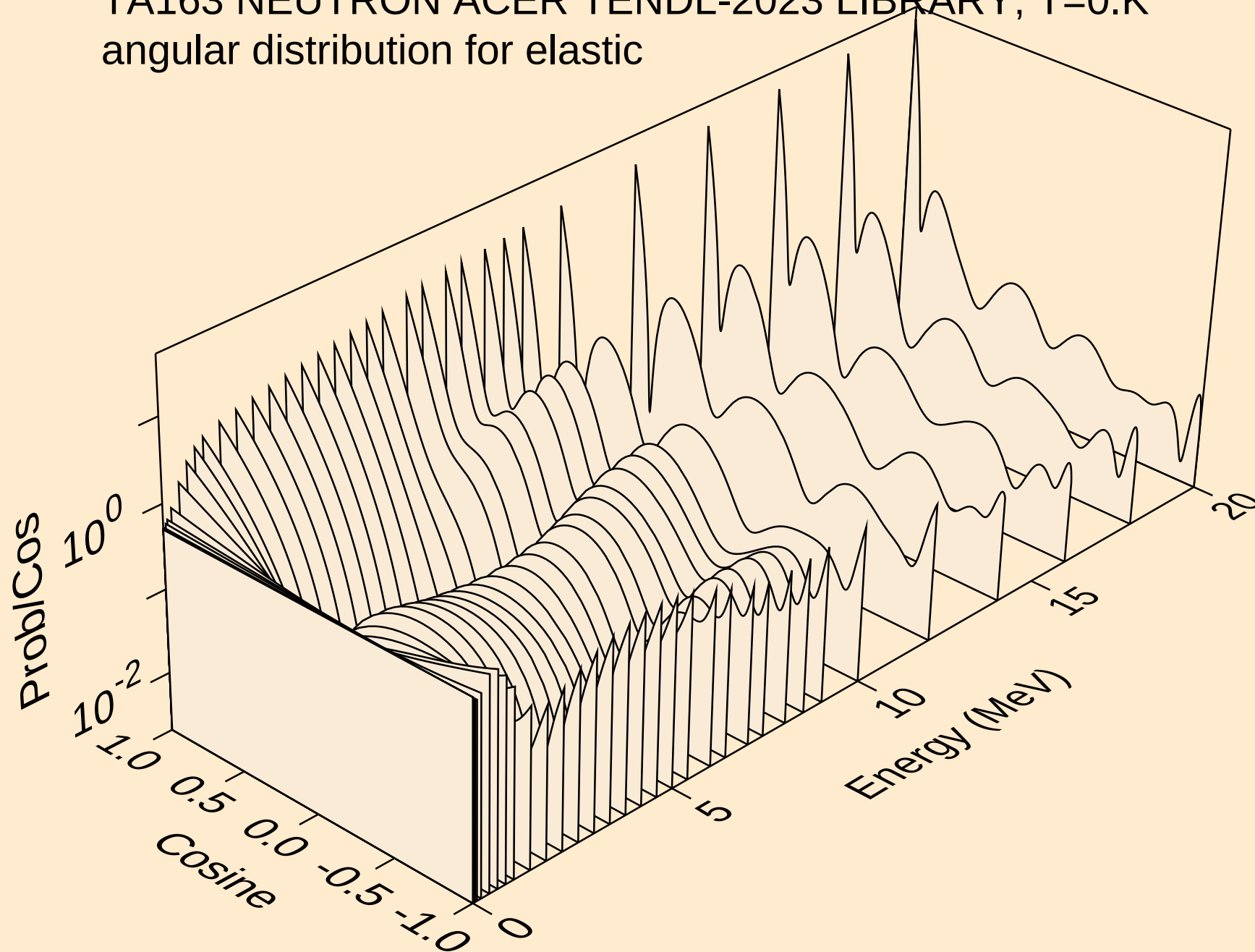


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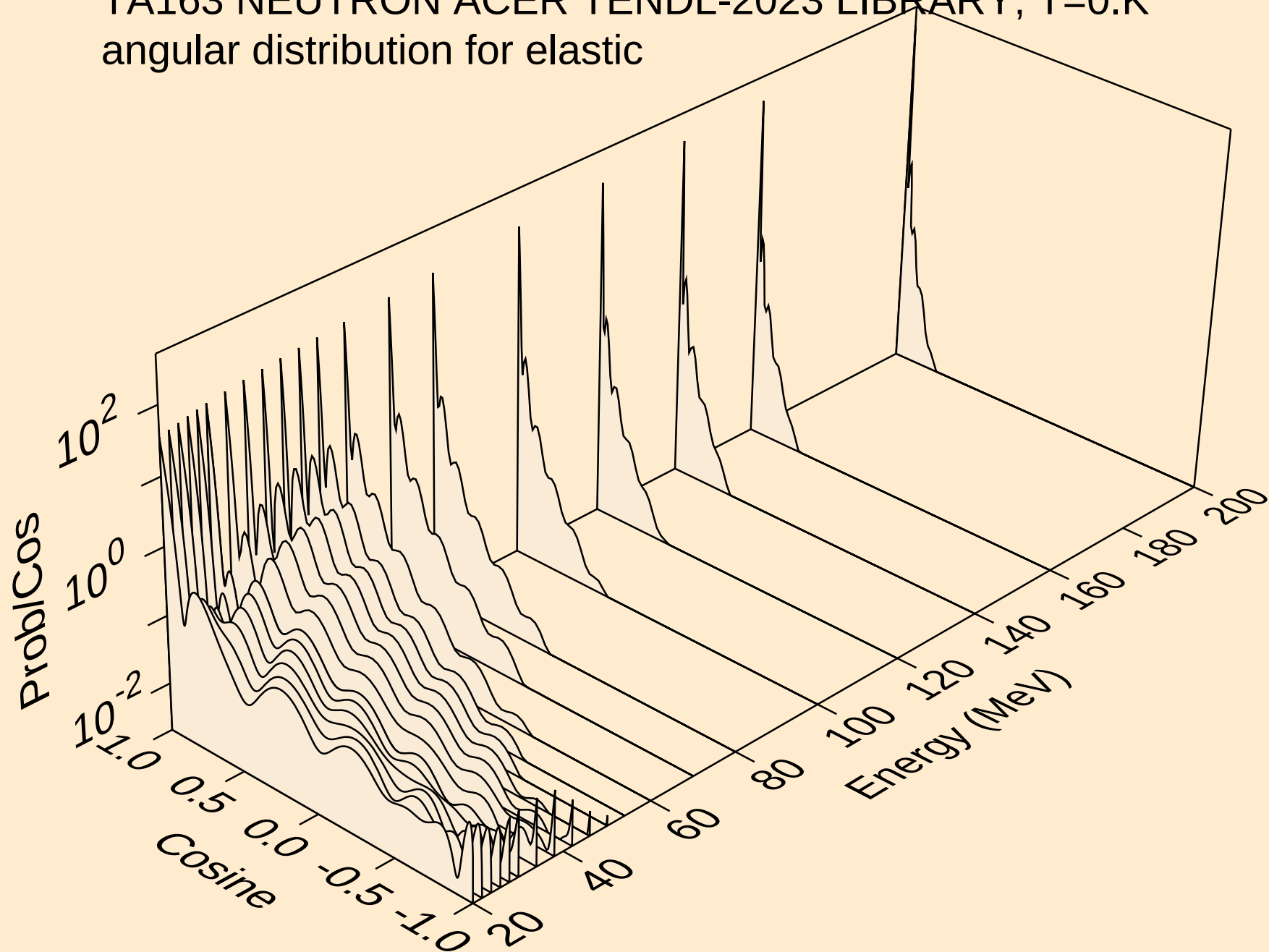
Threshold reactions



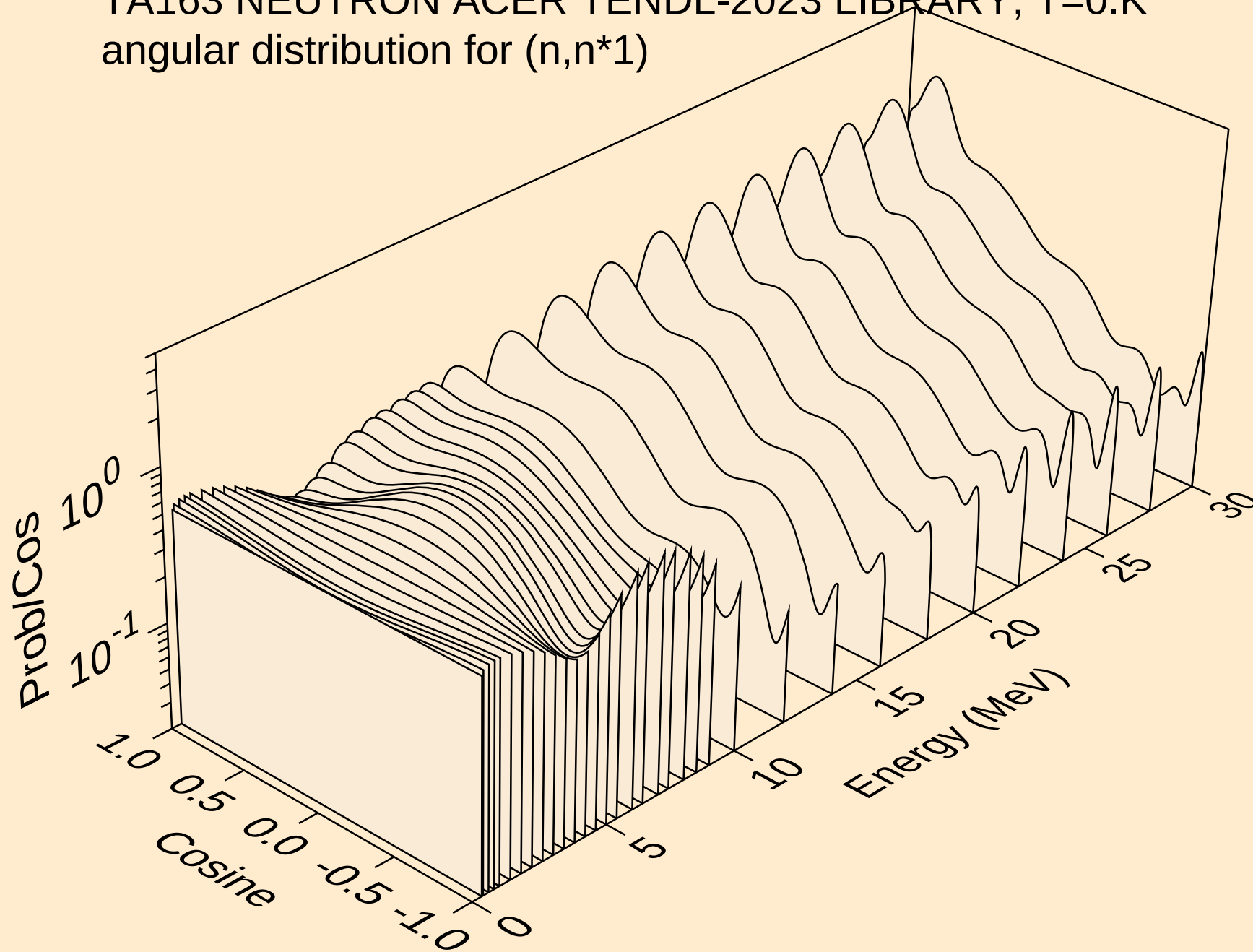
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



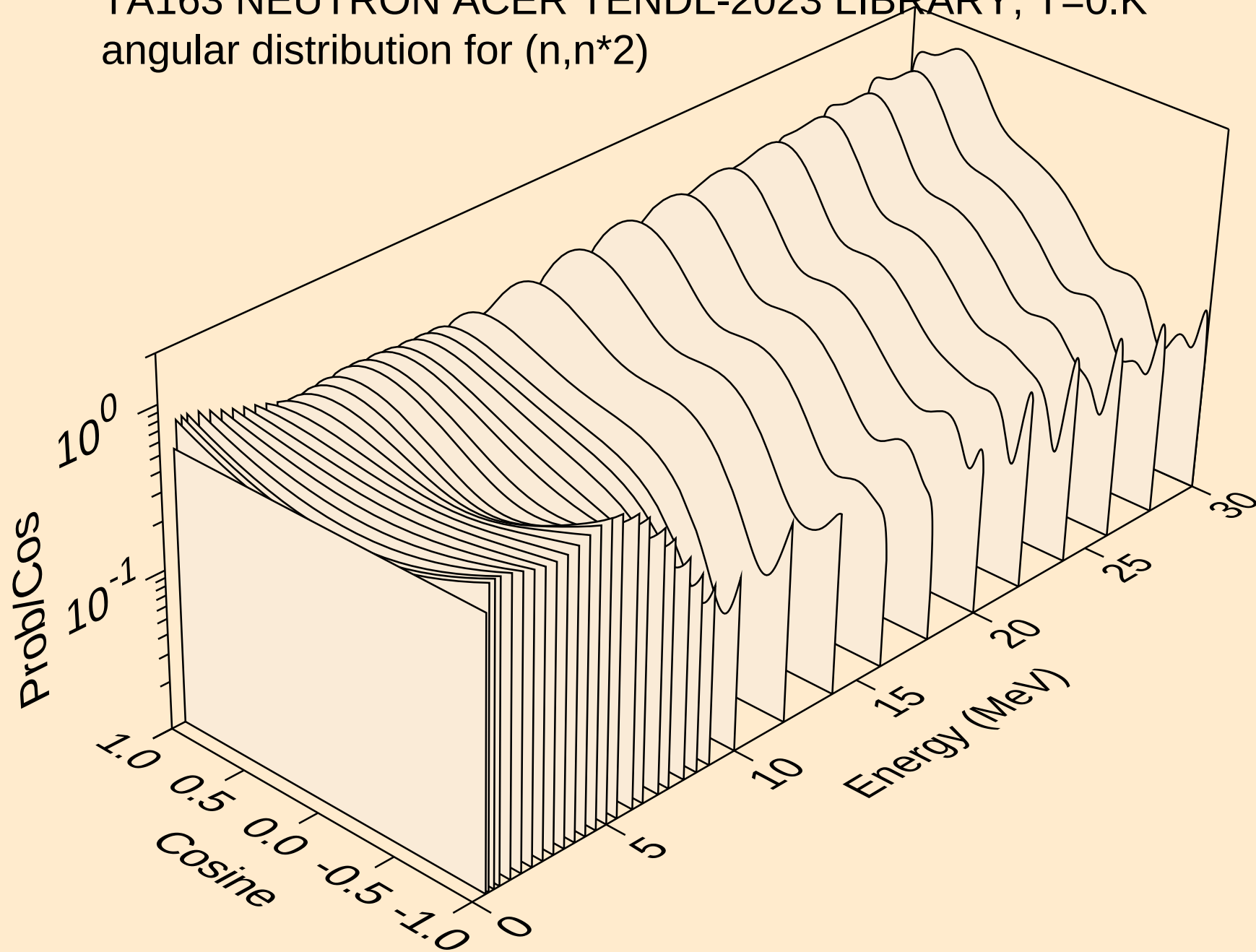
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



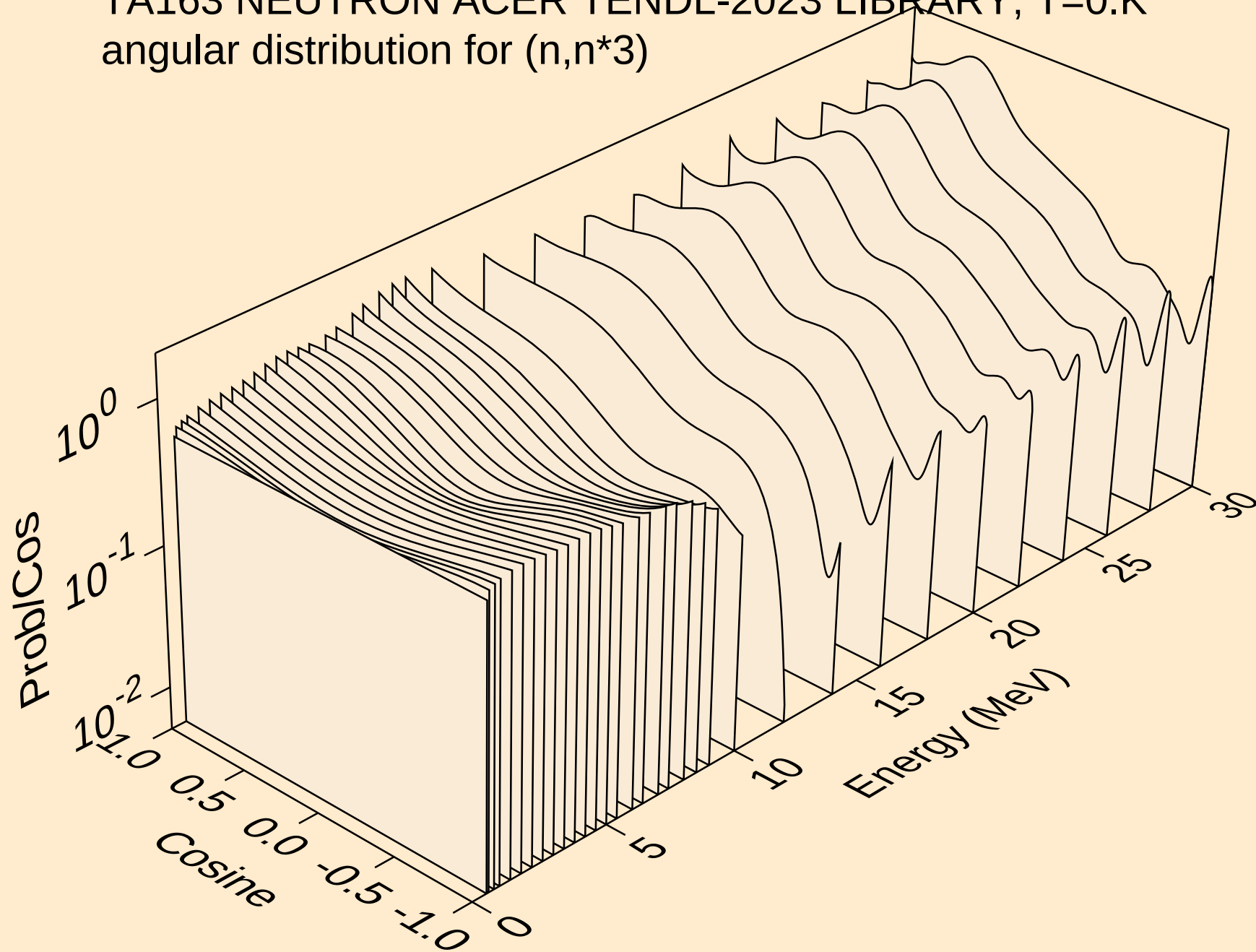
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



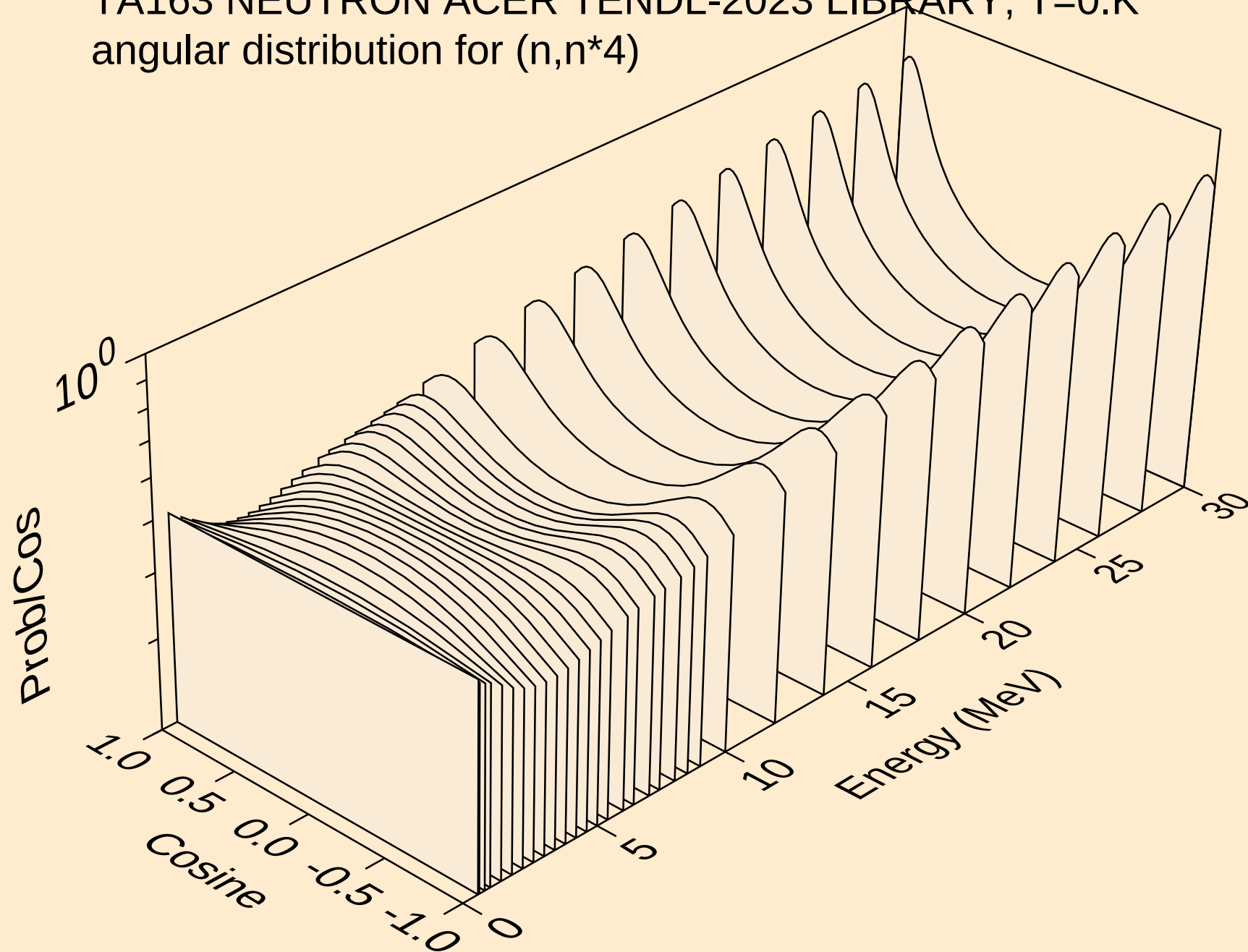
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



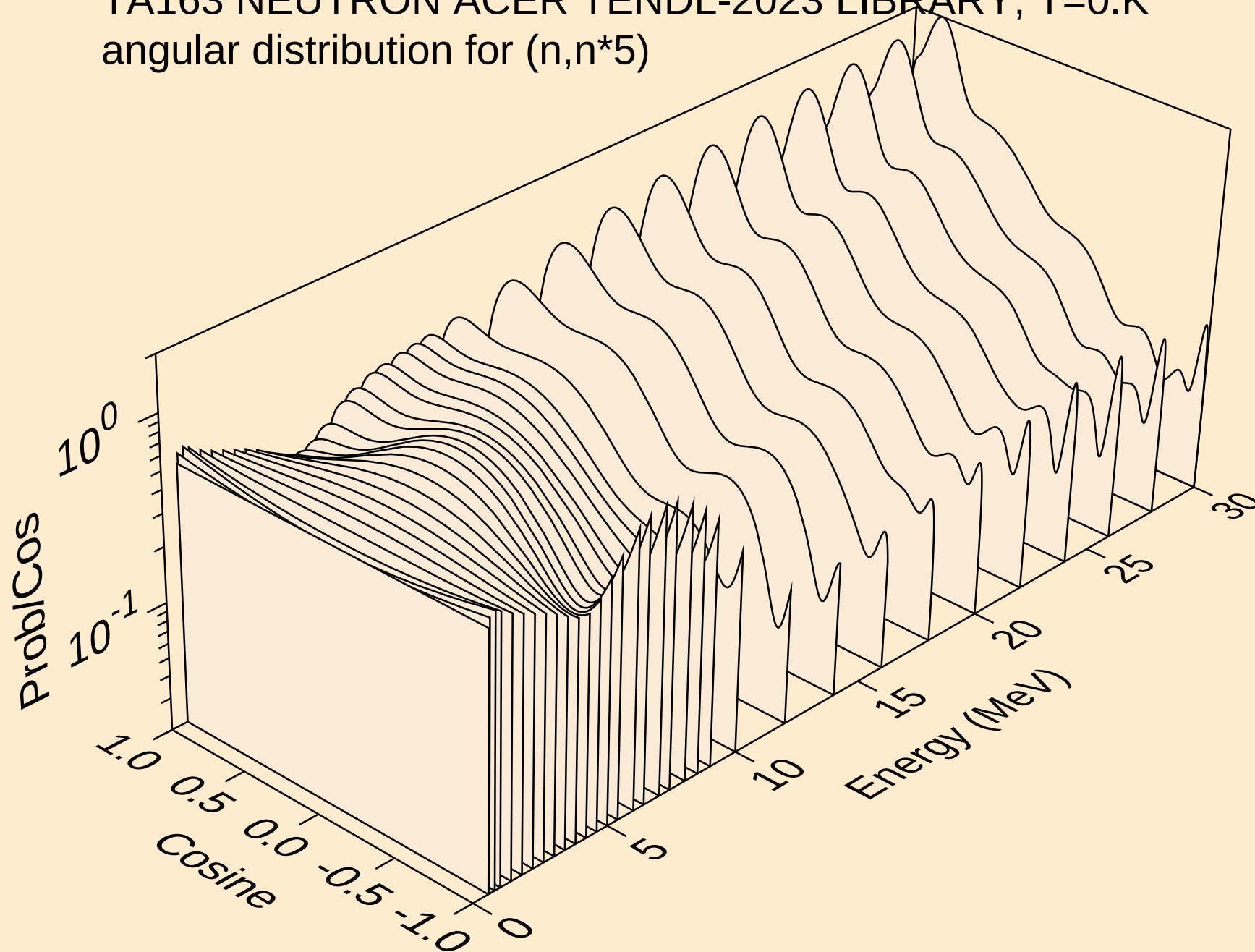
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angular distribution for (n,n*3)



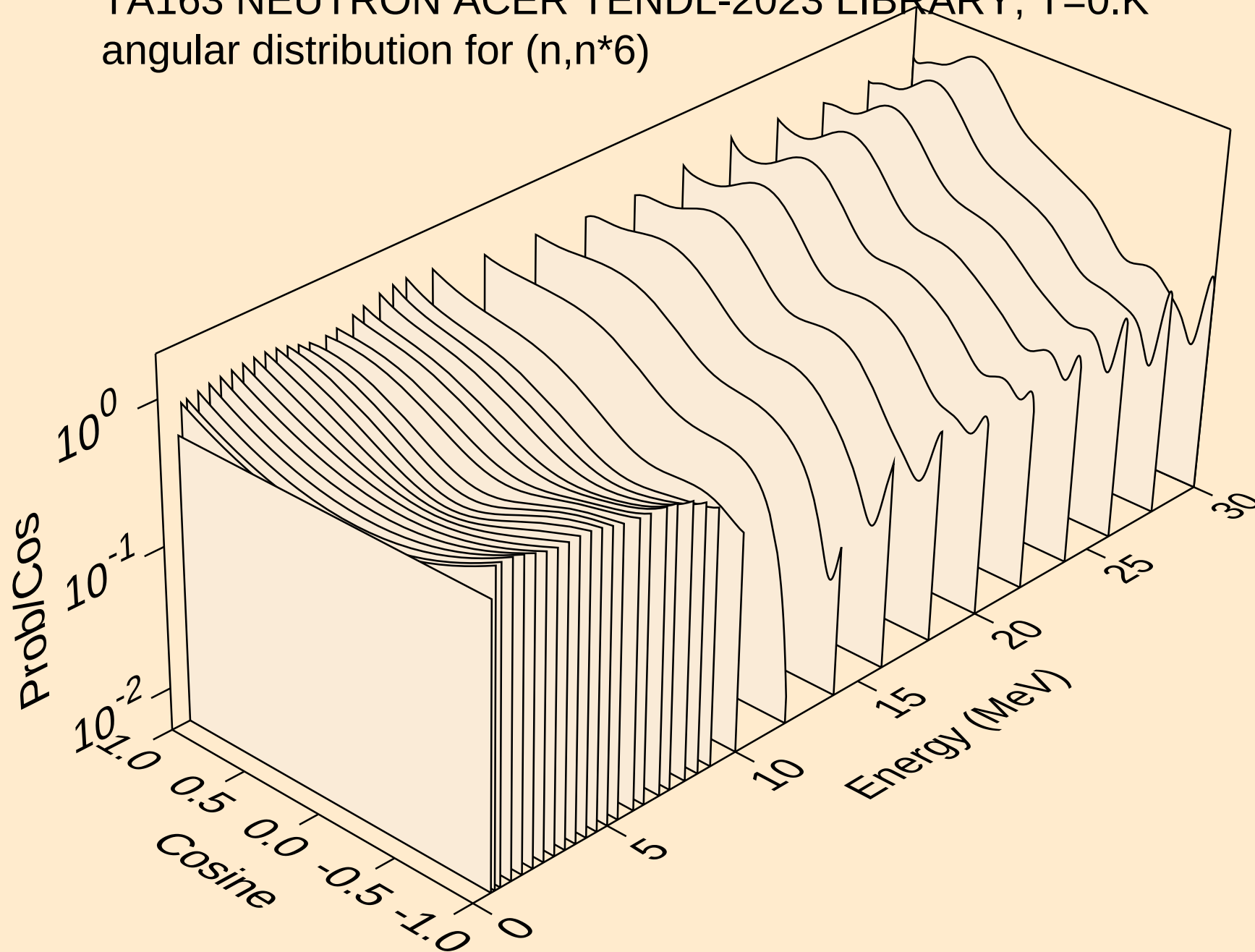
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



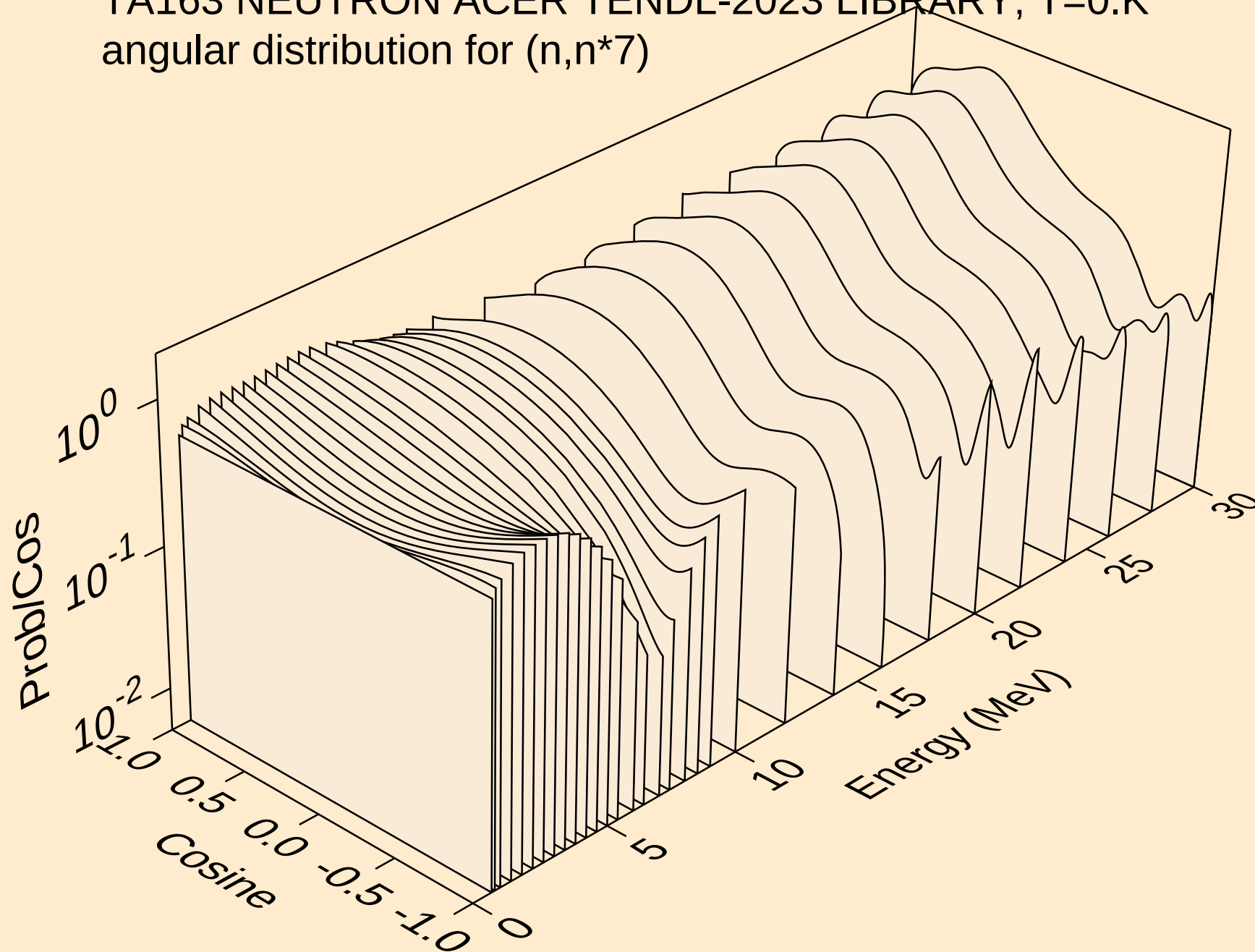
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



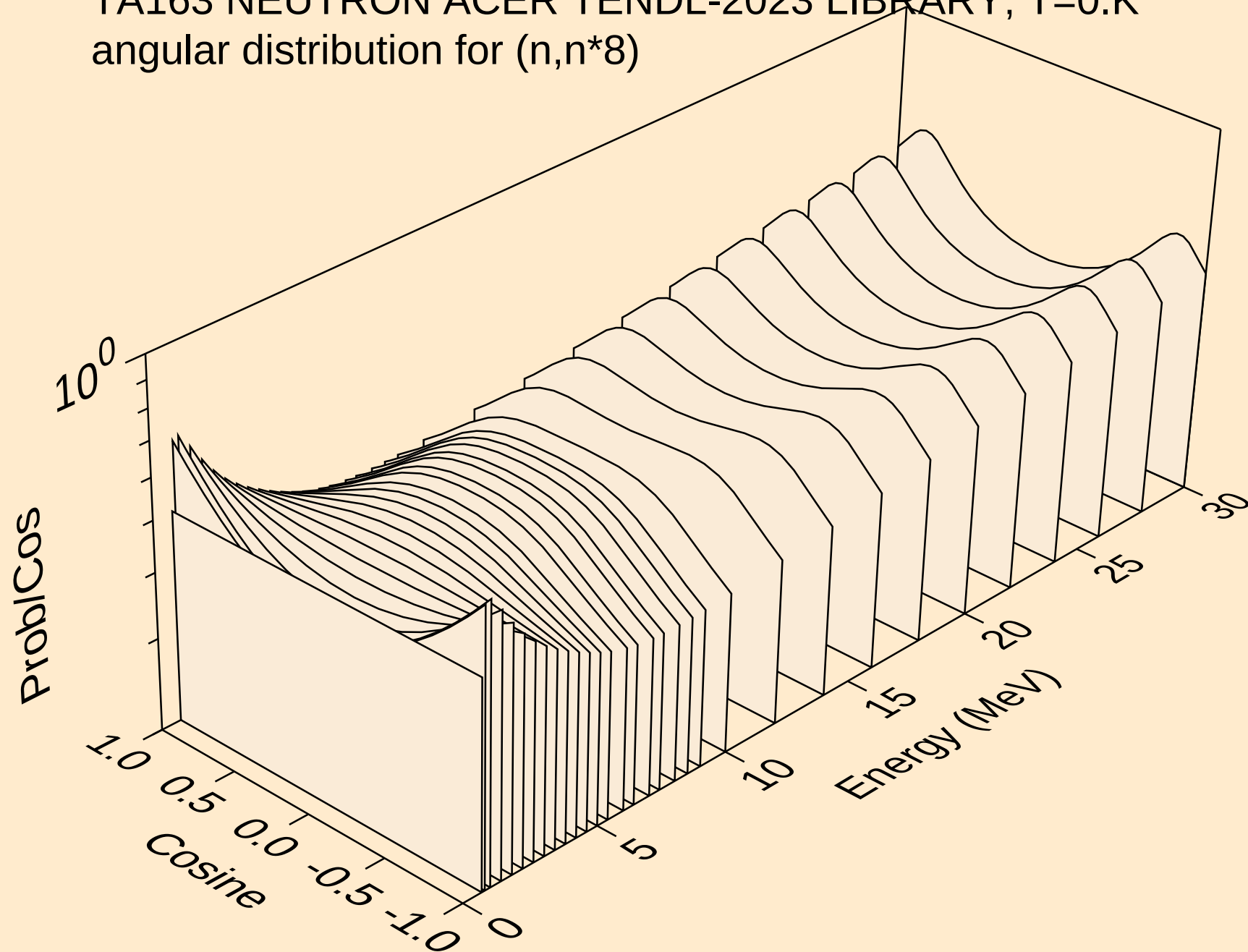
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



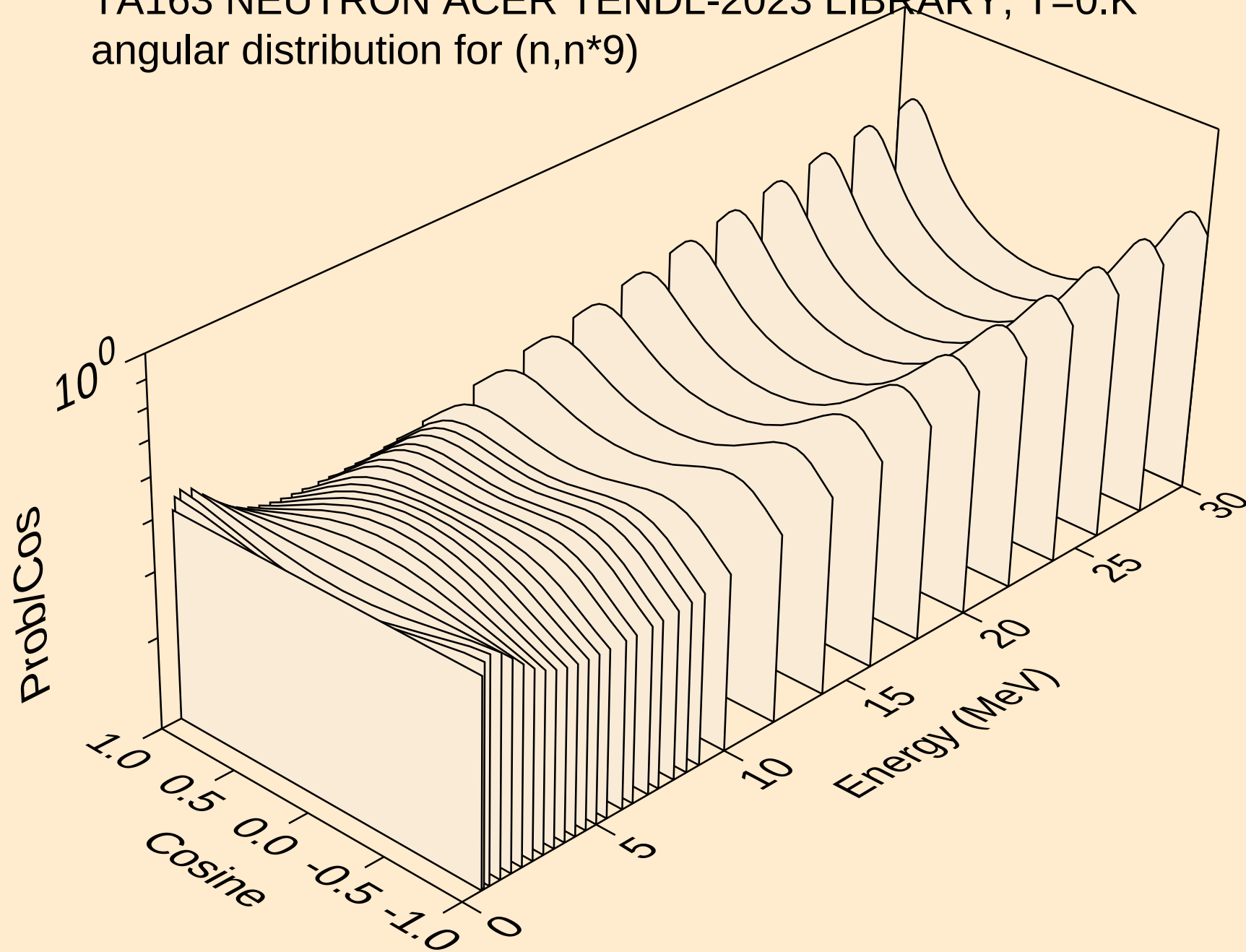
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



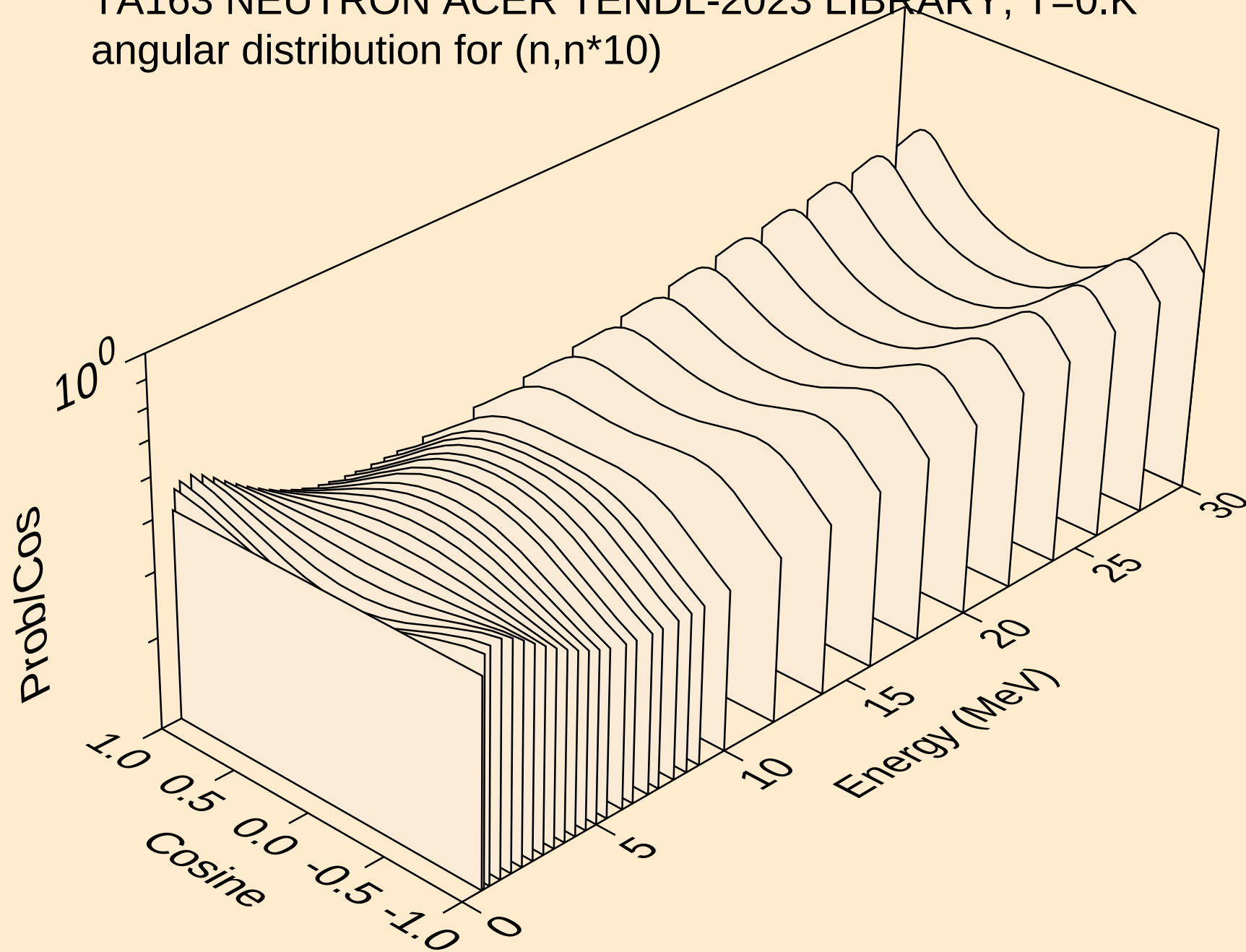
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



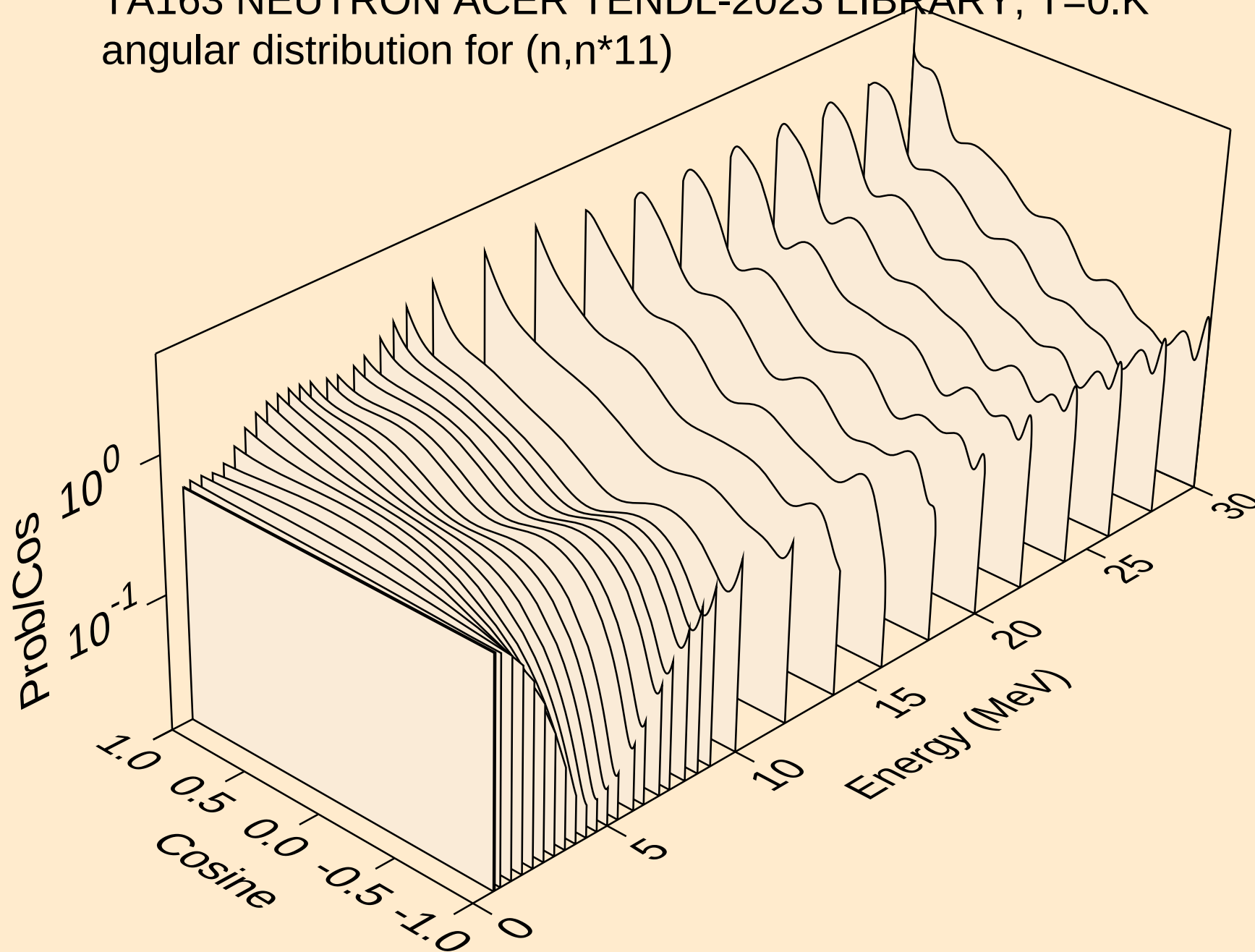
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angular distribution for (n,n*9)



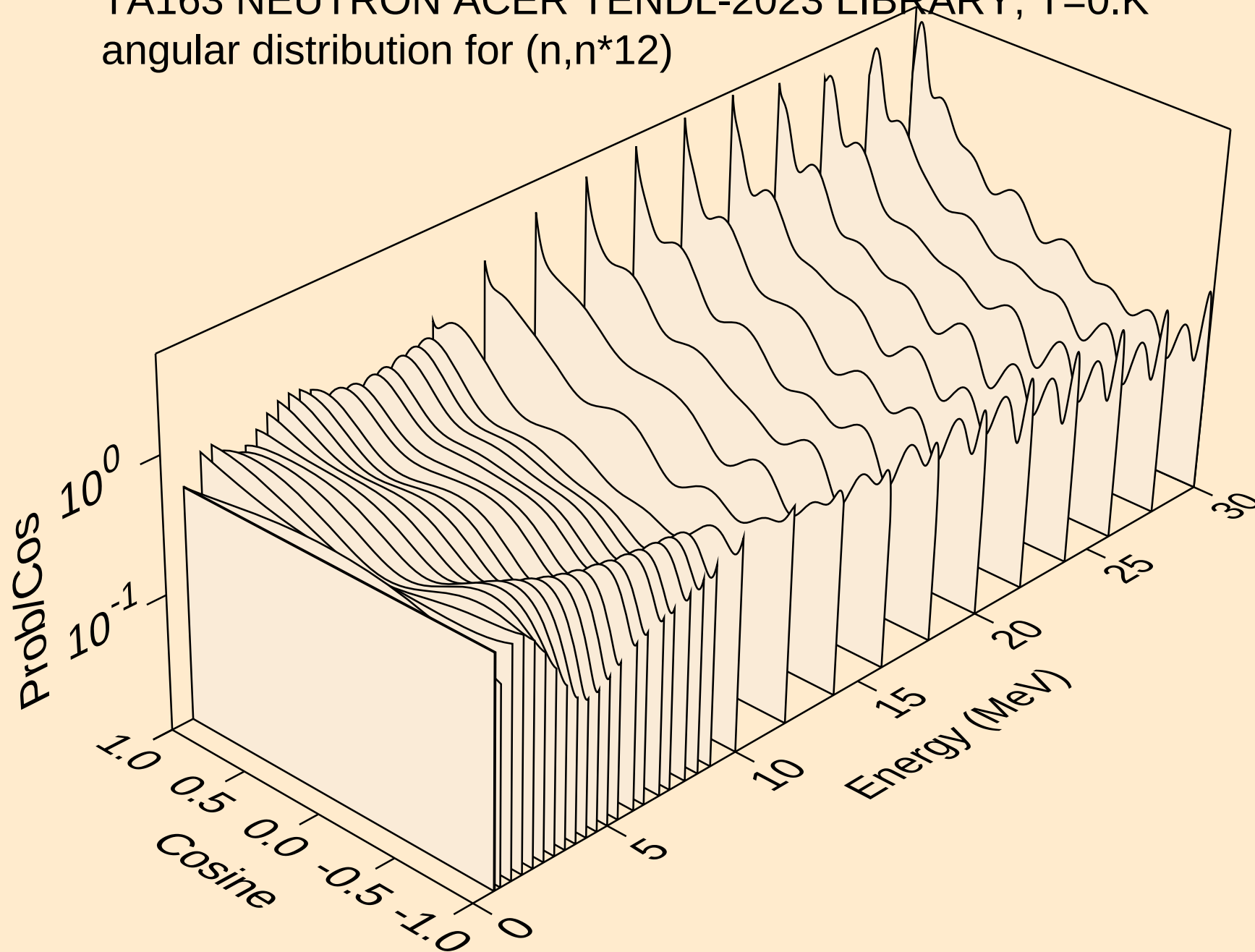
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angular distribution for (n,n*10)



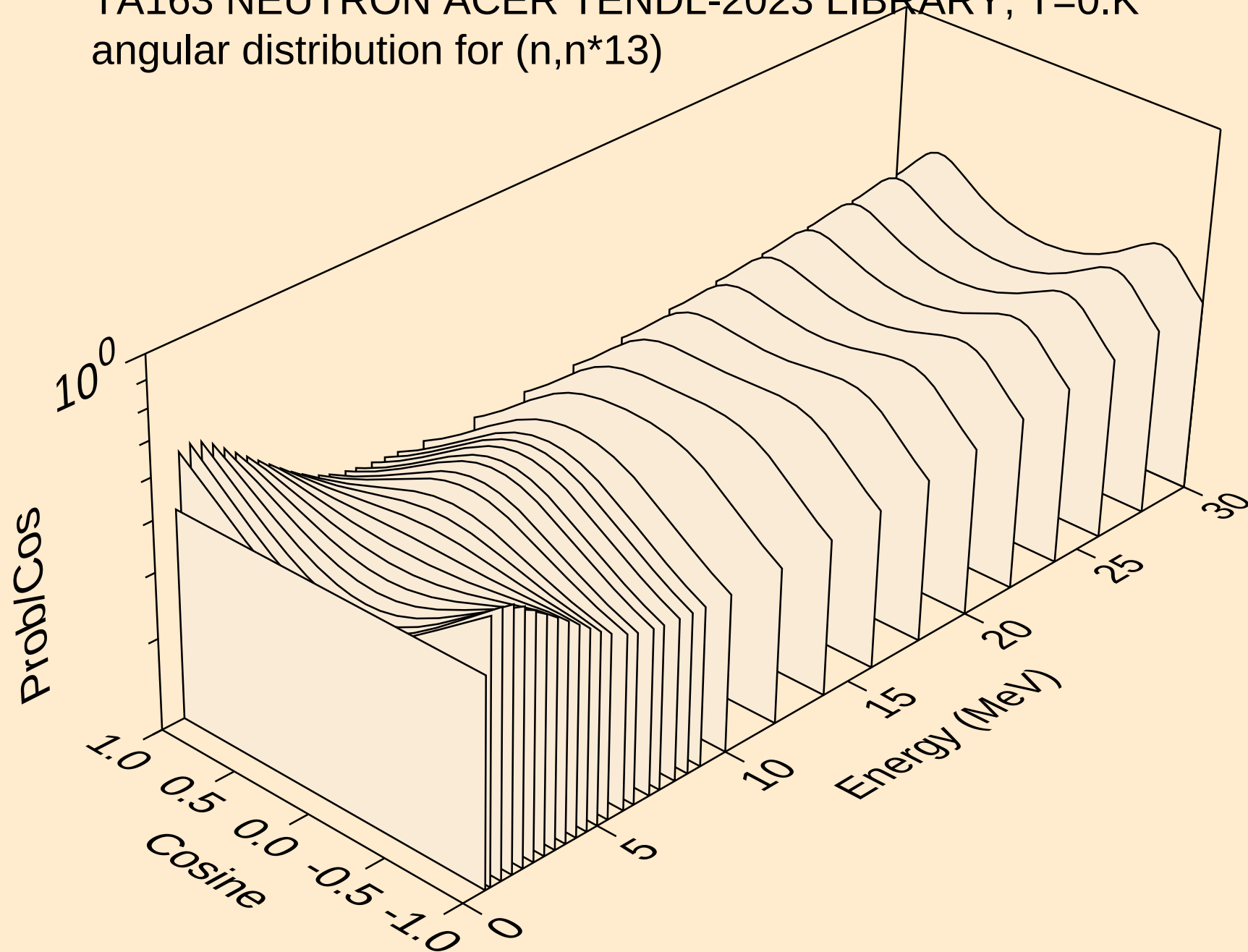
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angular distribution for (n,n*11)



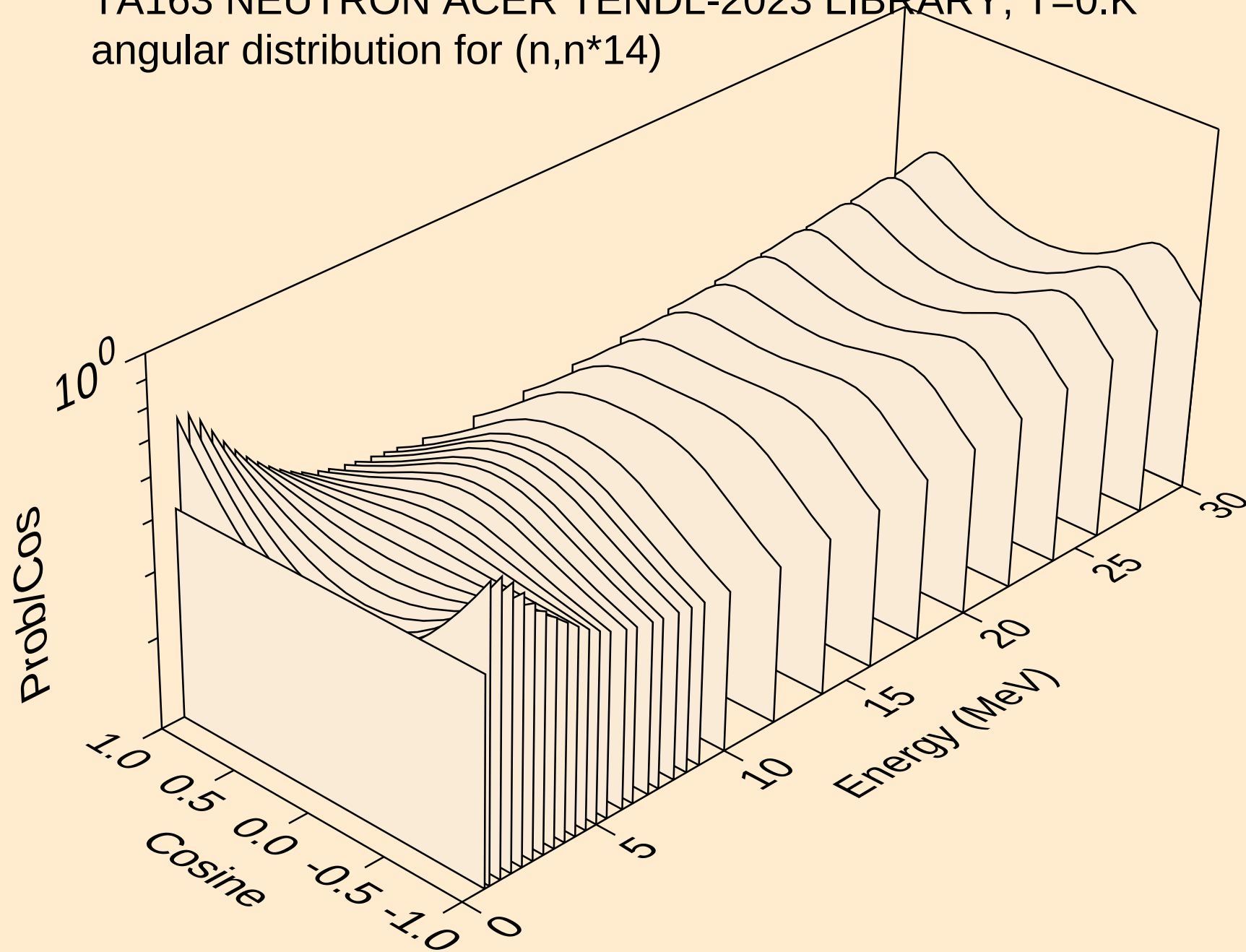
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



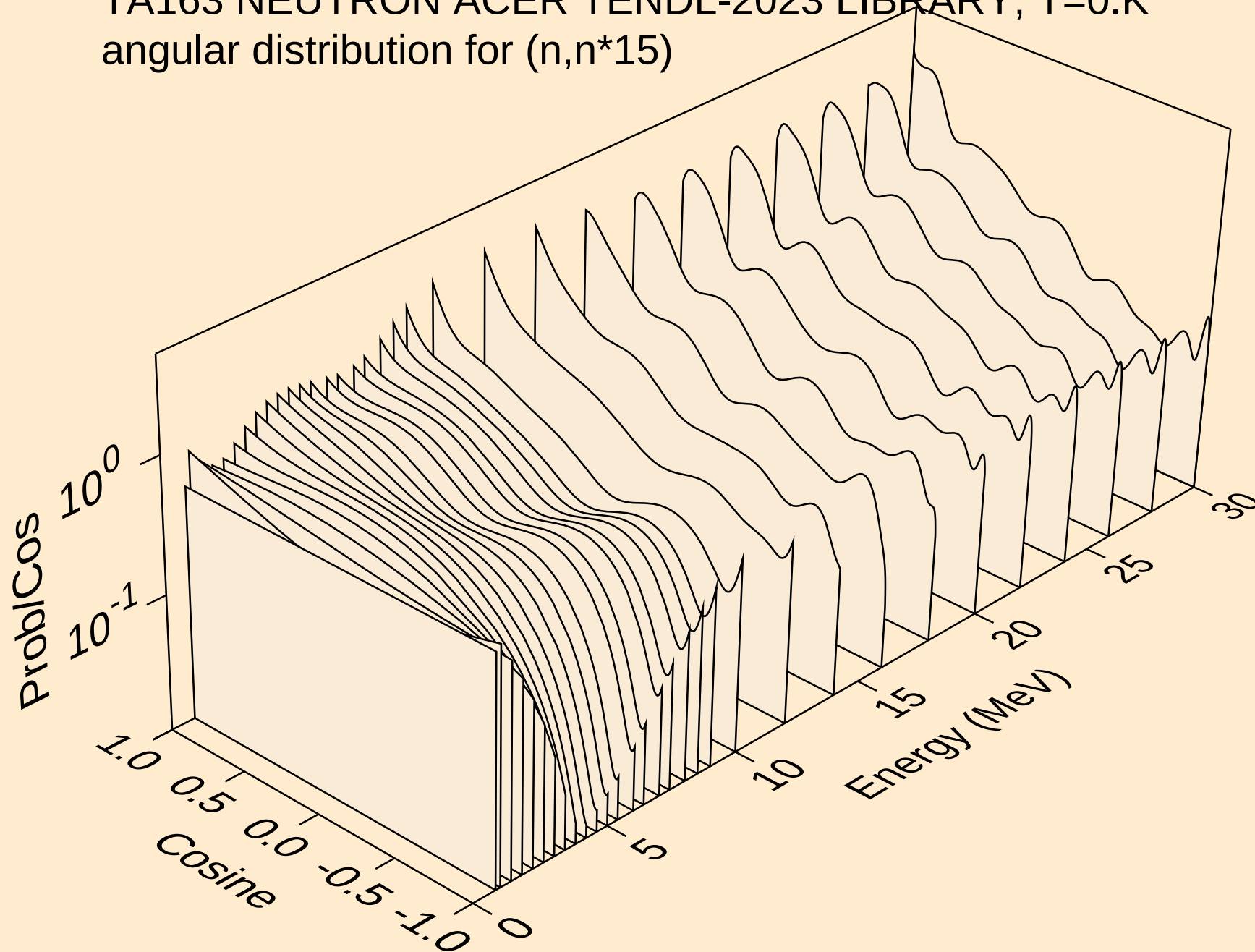
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



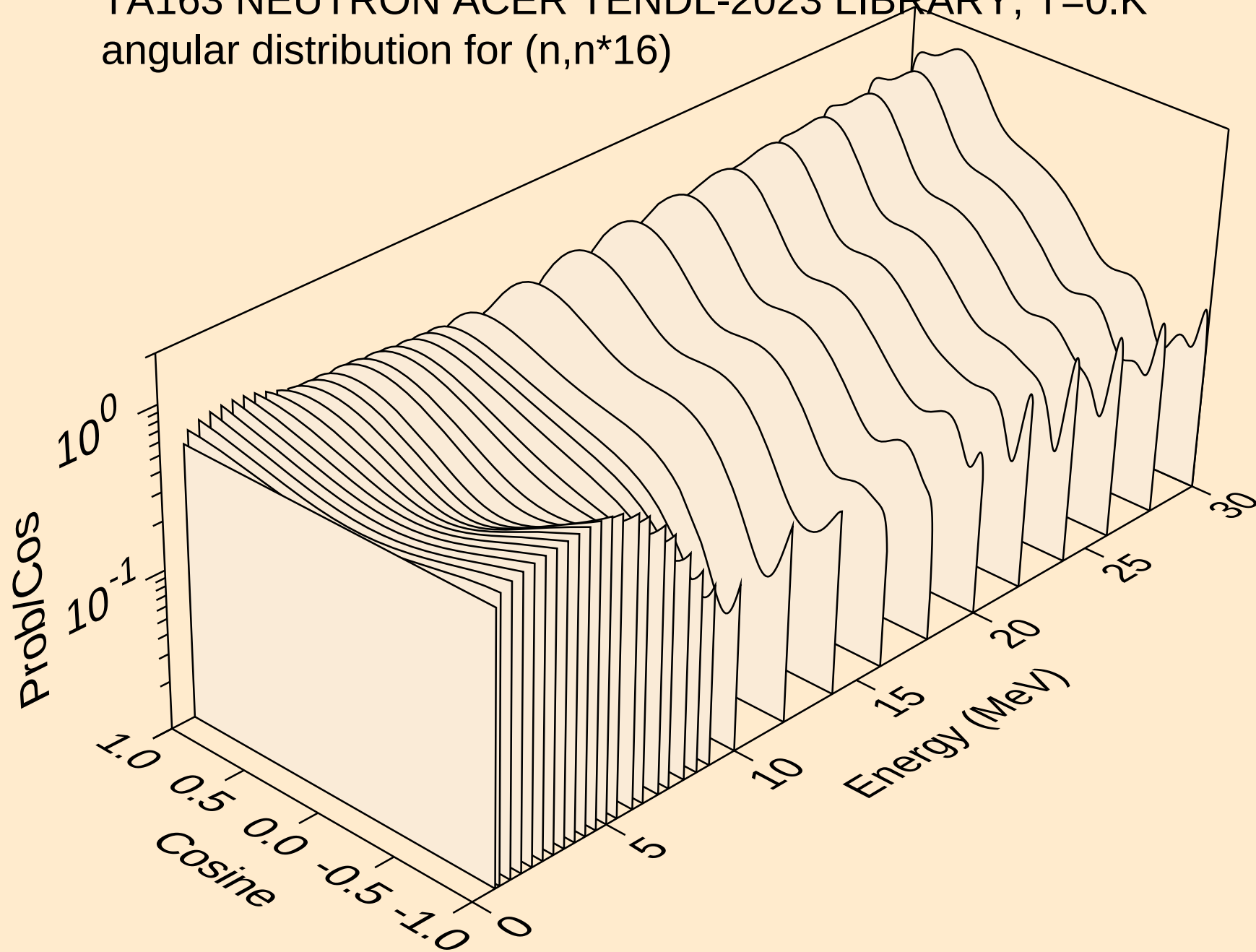
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



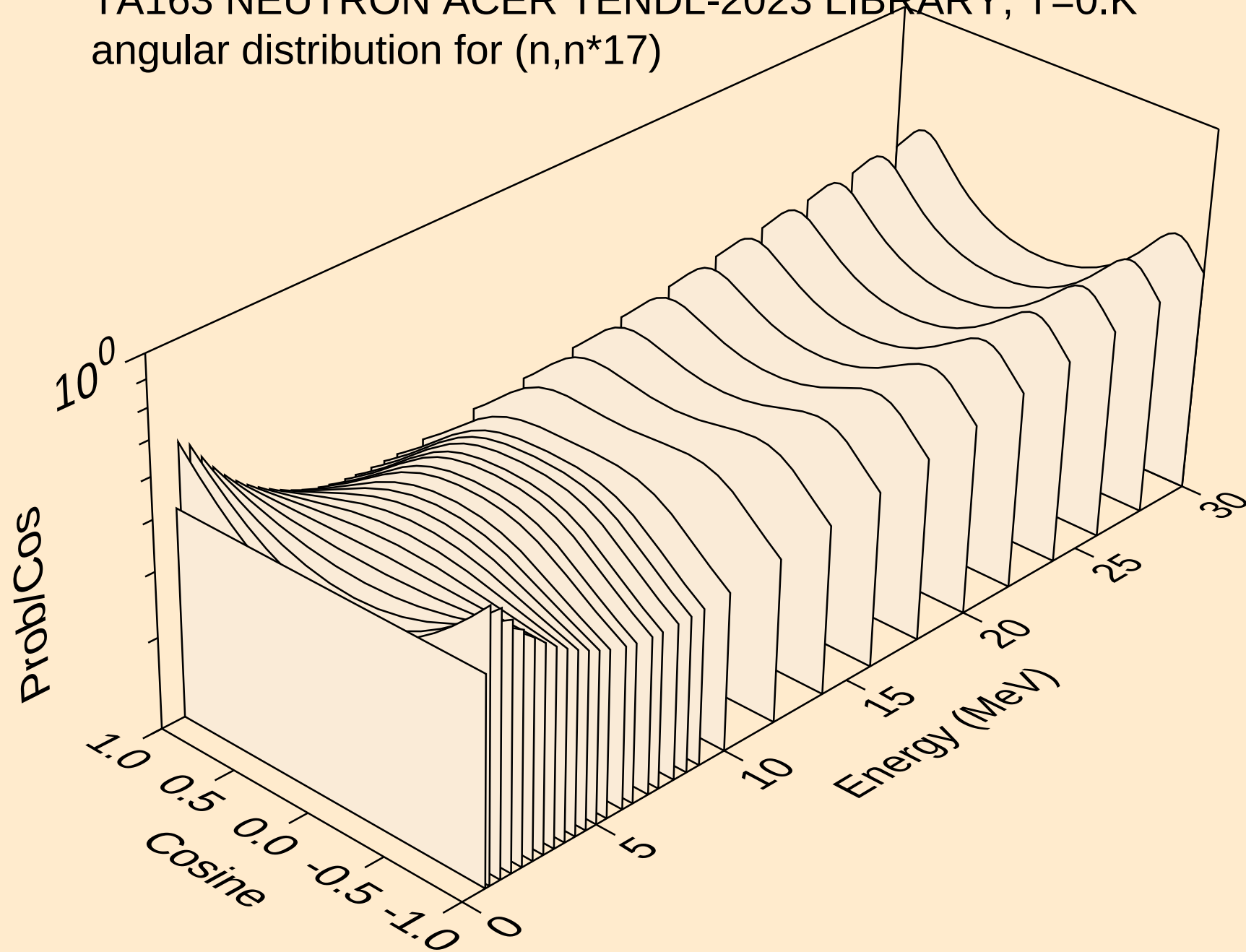
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



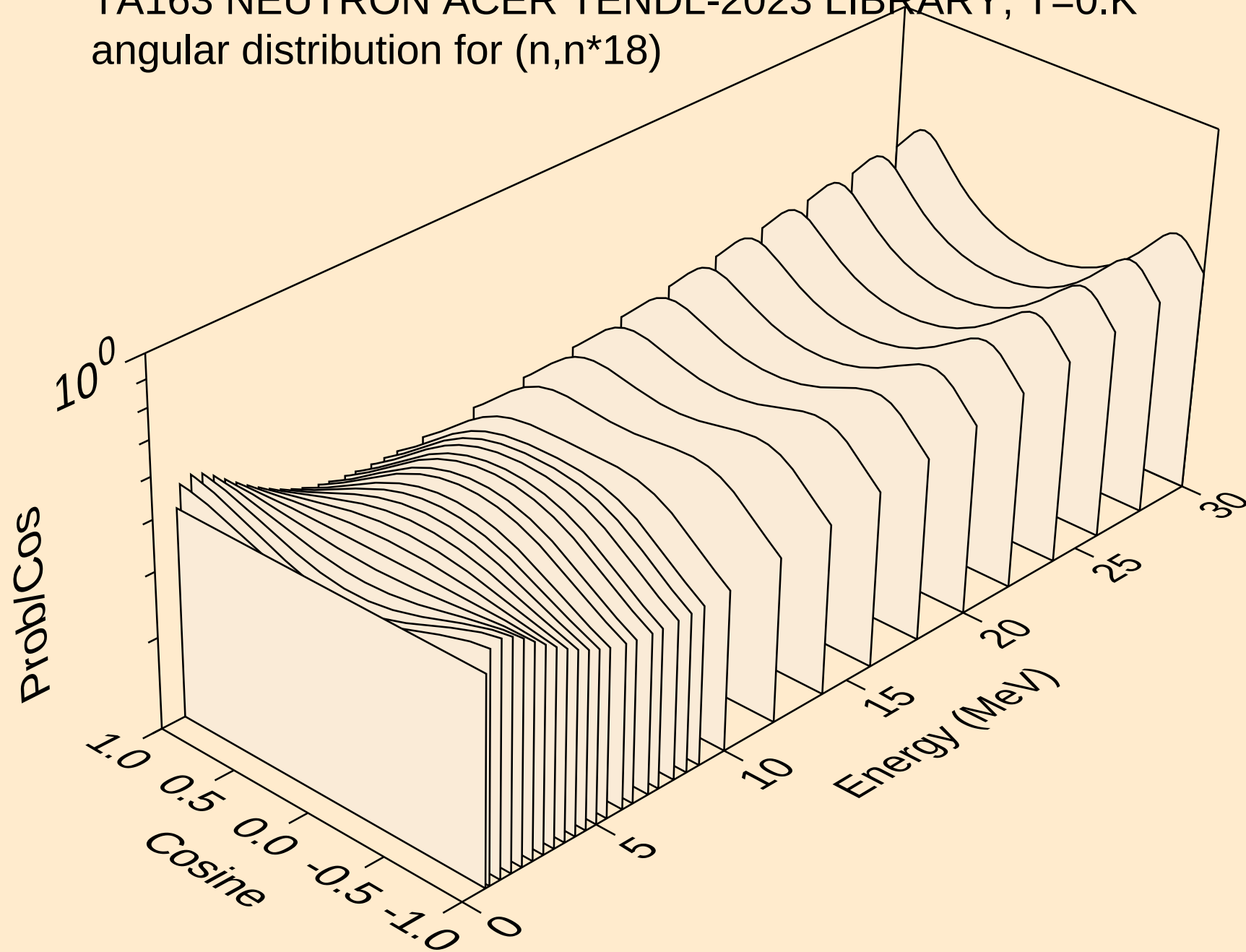
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angular distribution for (n,n*16)



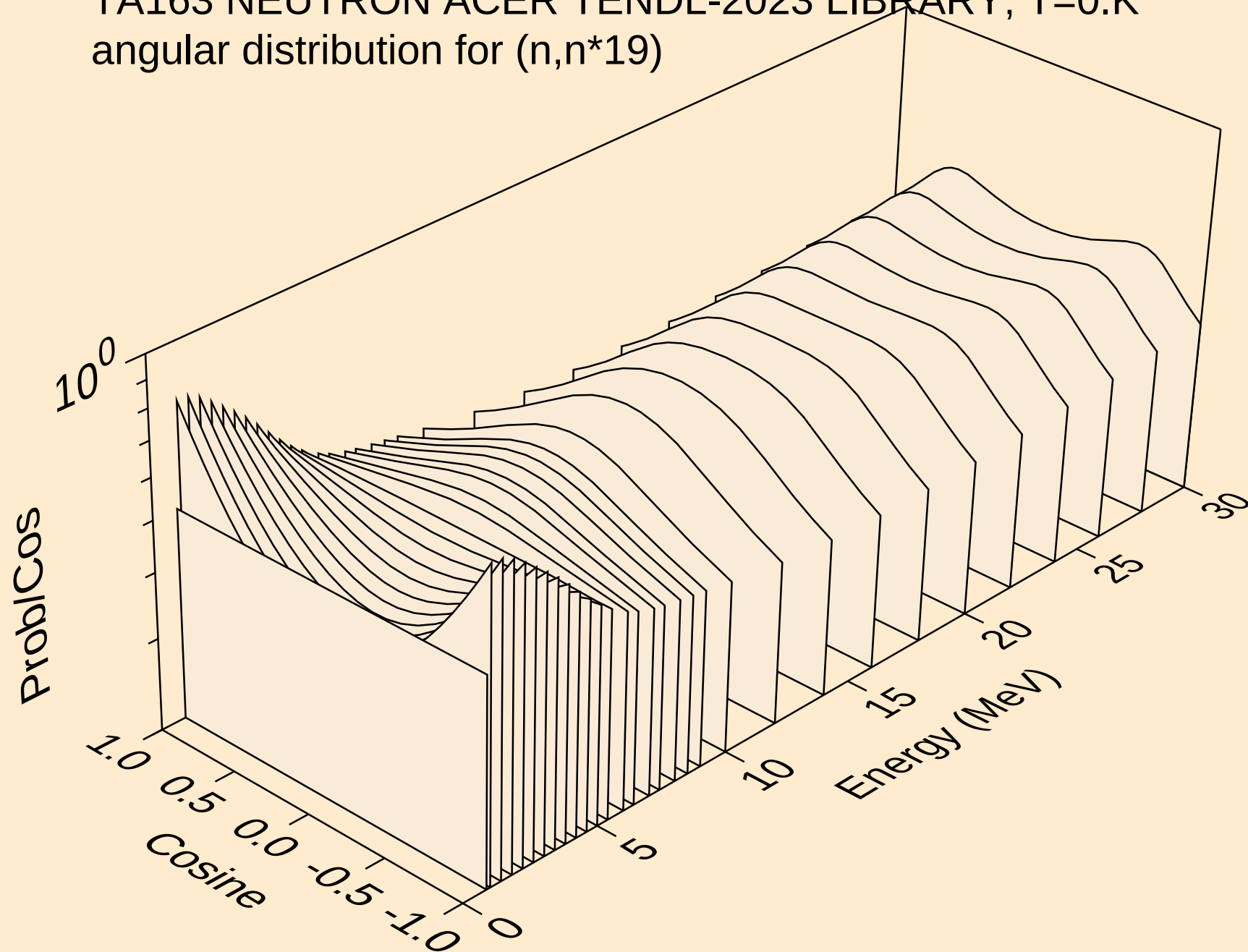
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angular distribution for (n,n*17)



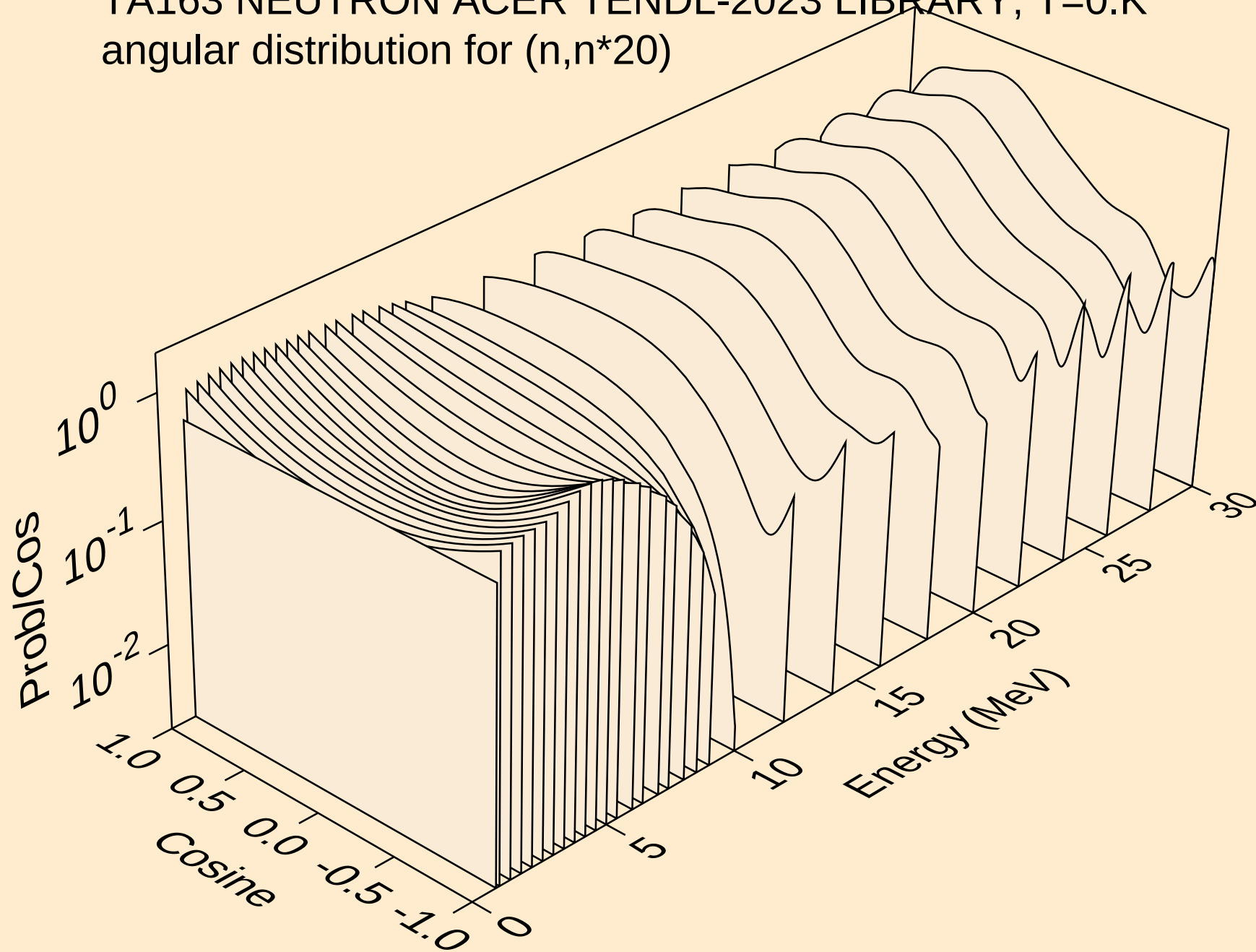
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angular distribution for (n,n*18)



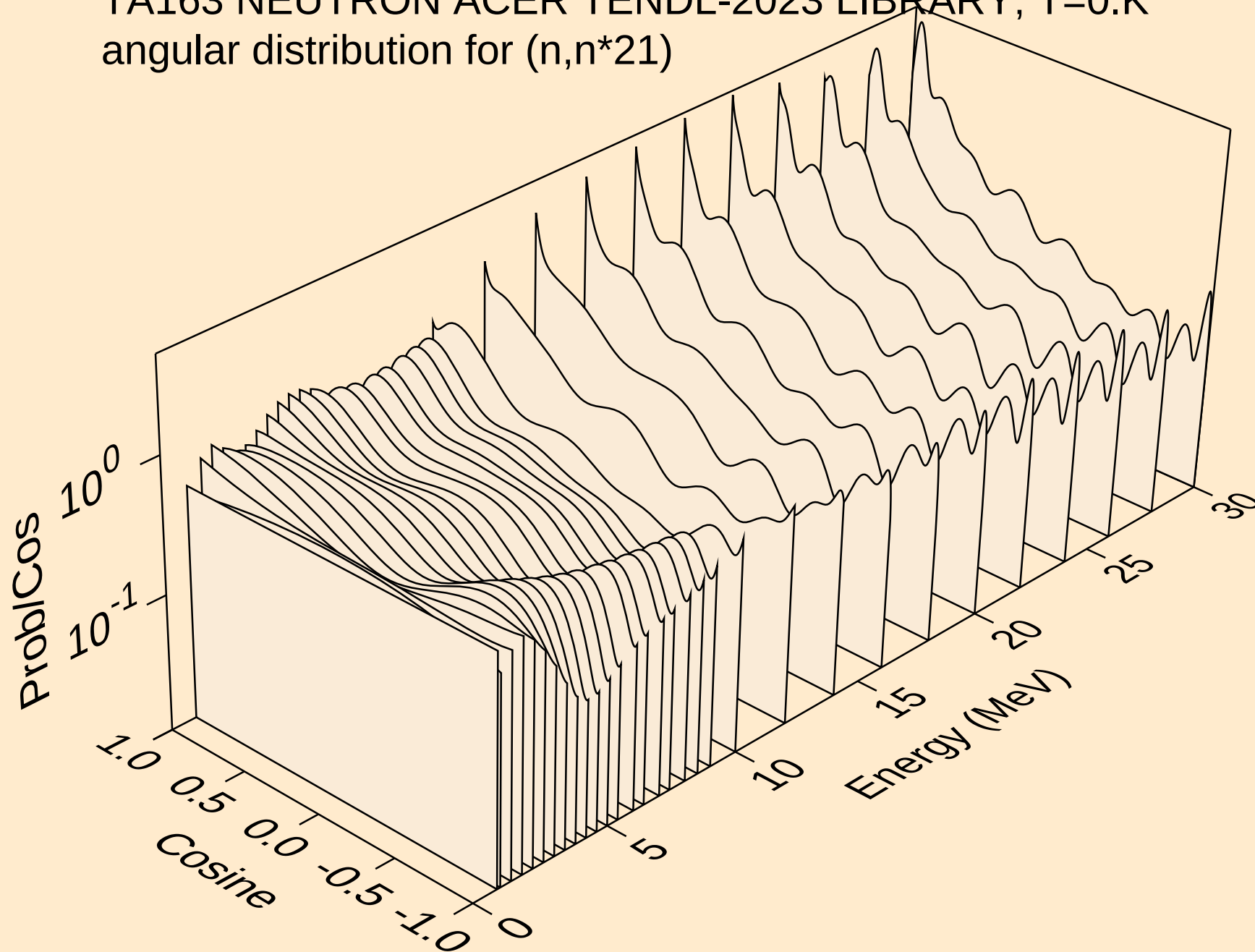
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angular distribution for (n,n*19)



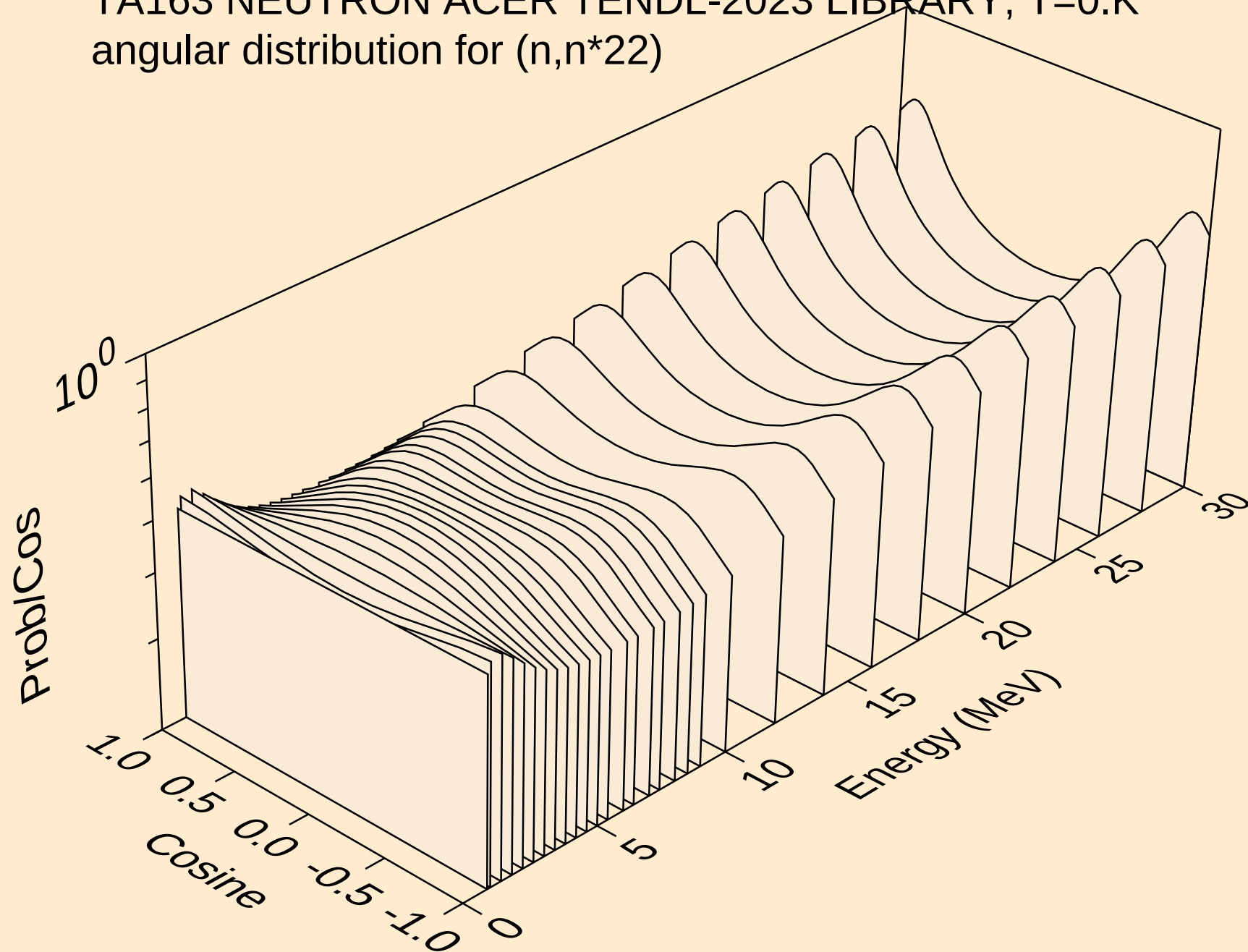
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angular distribution for (n,n*20)



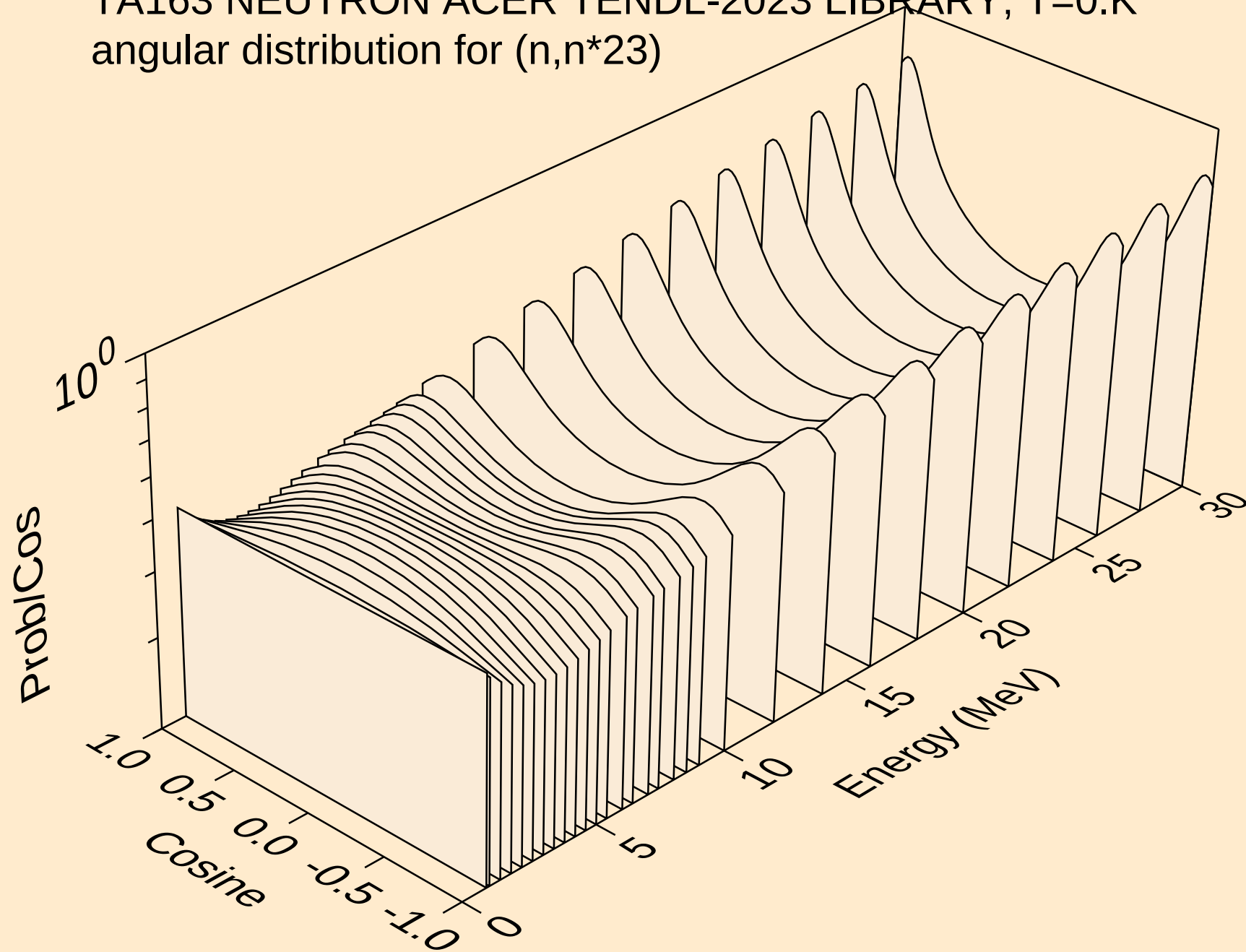
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angular distribution for (n,n*21)



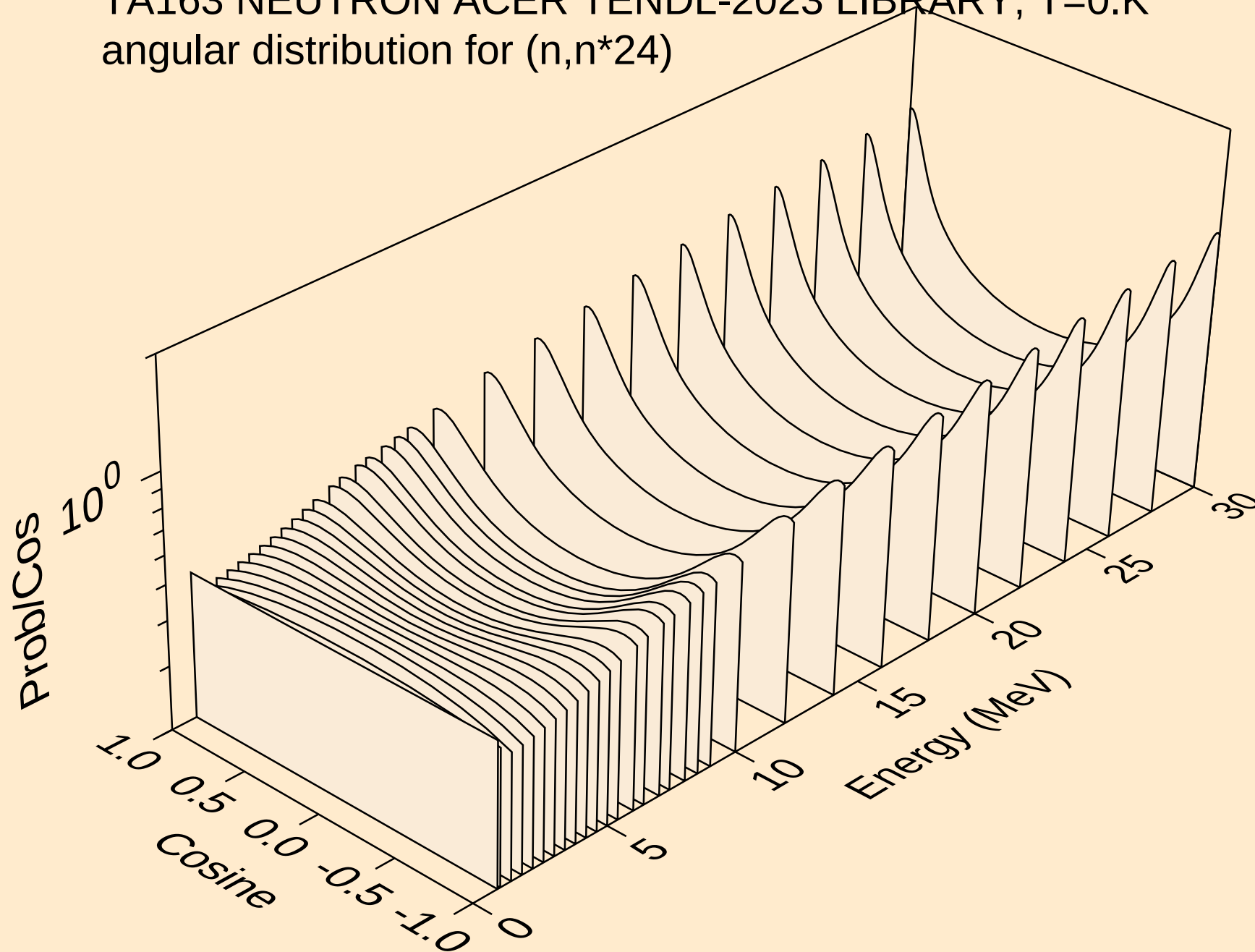
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angular distribution for (n,n*22)



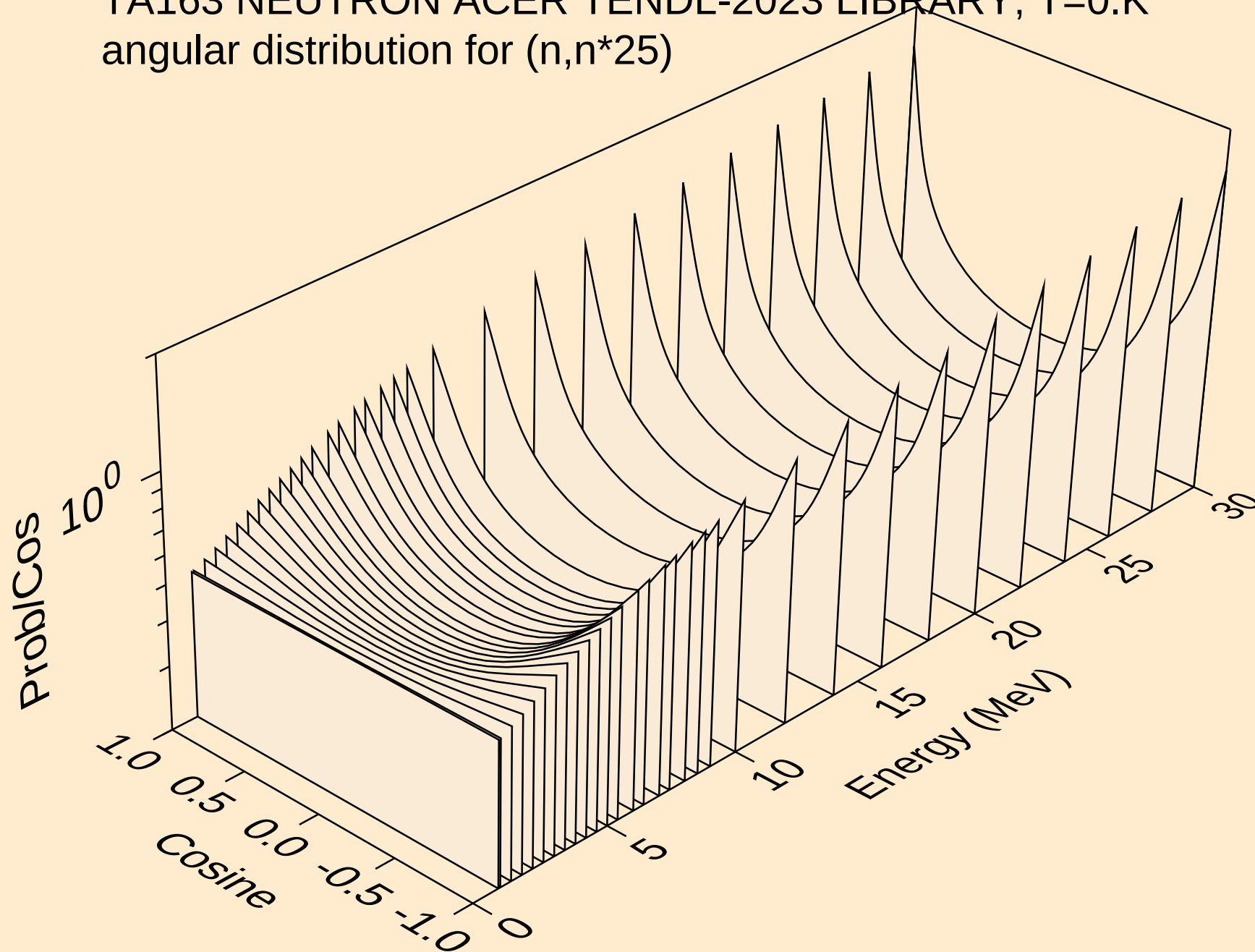
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angular distribution for (n,n*23)



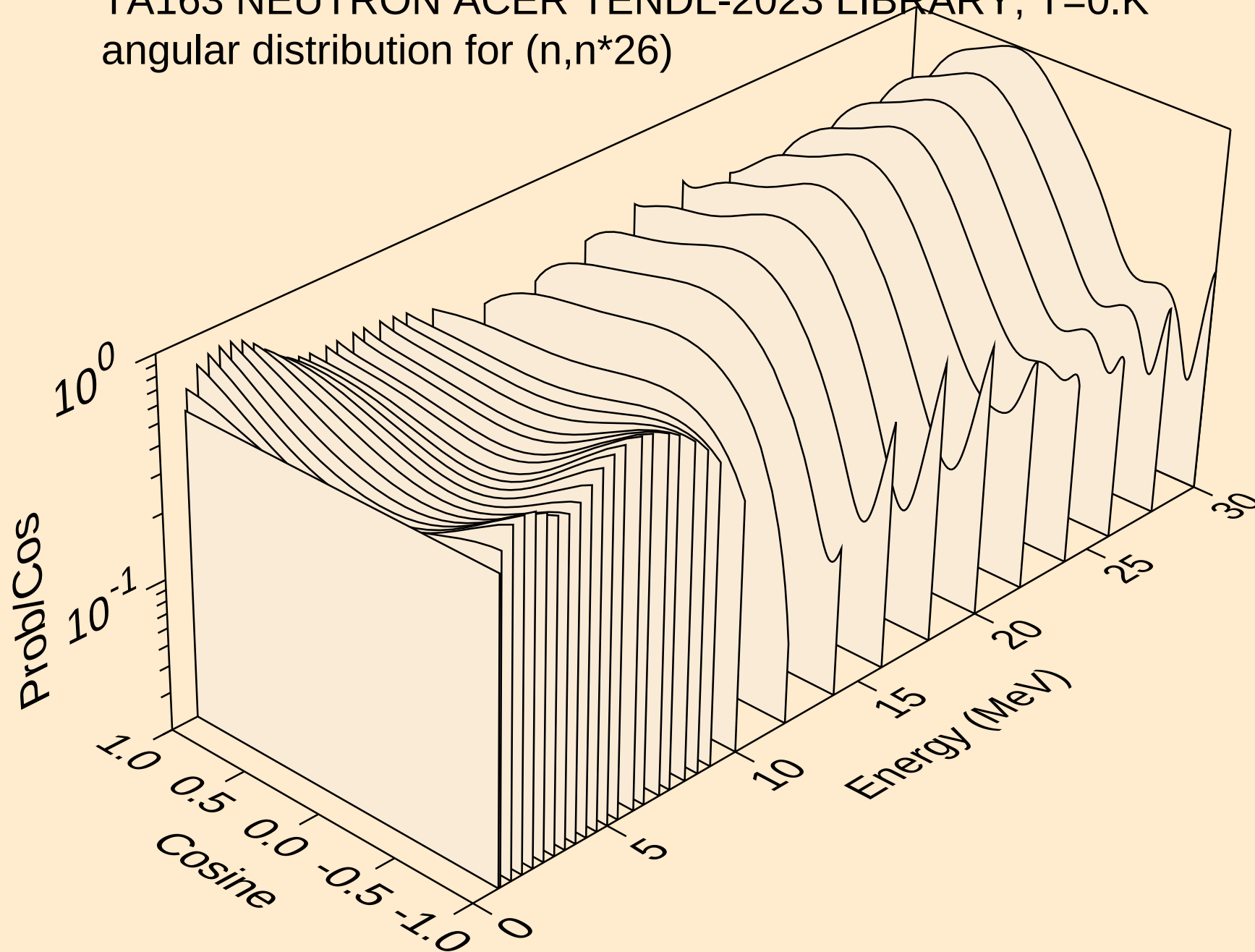
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angular distribution for (n,n*24)



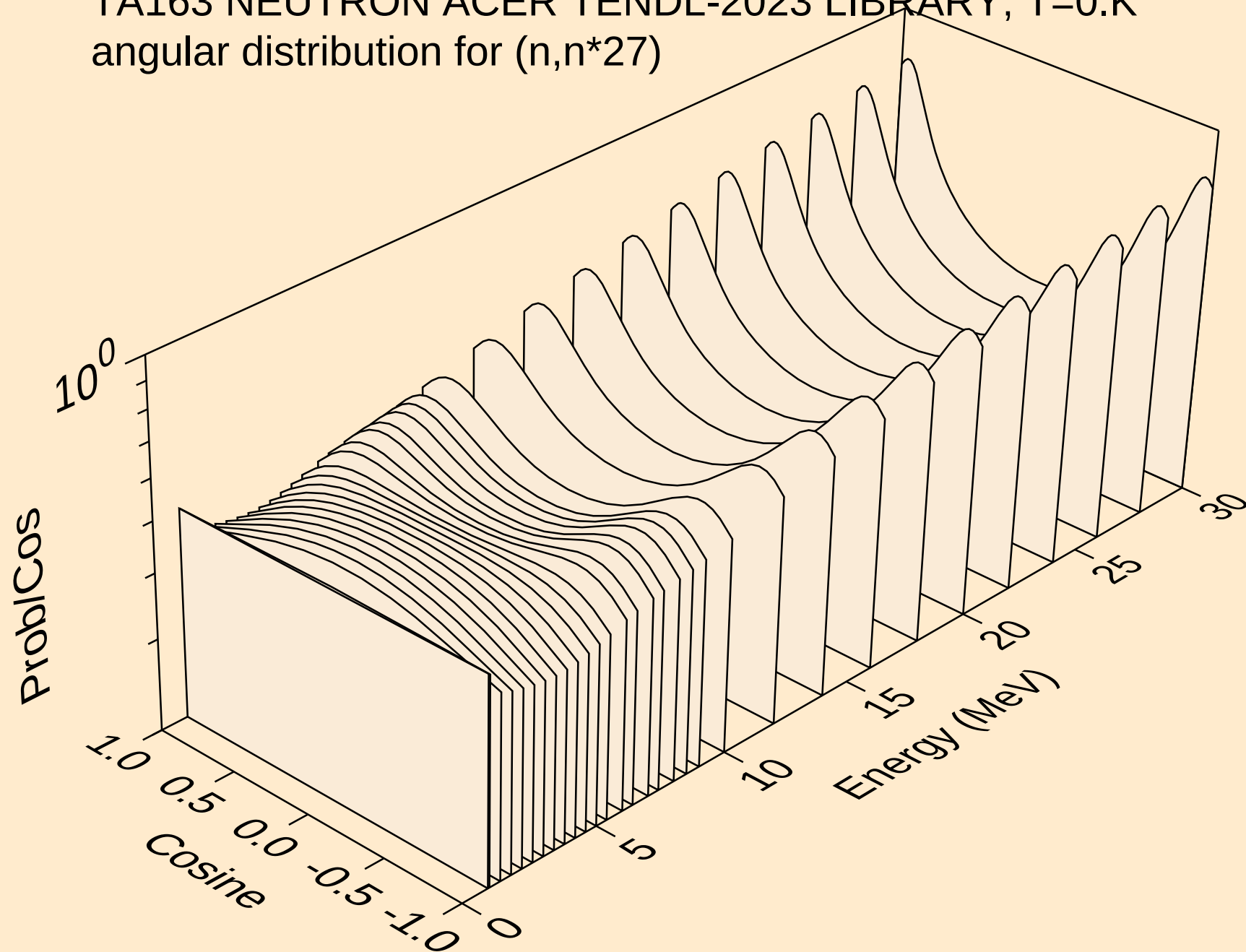
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



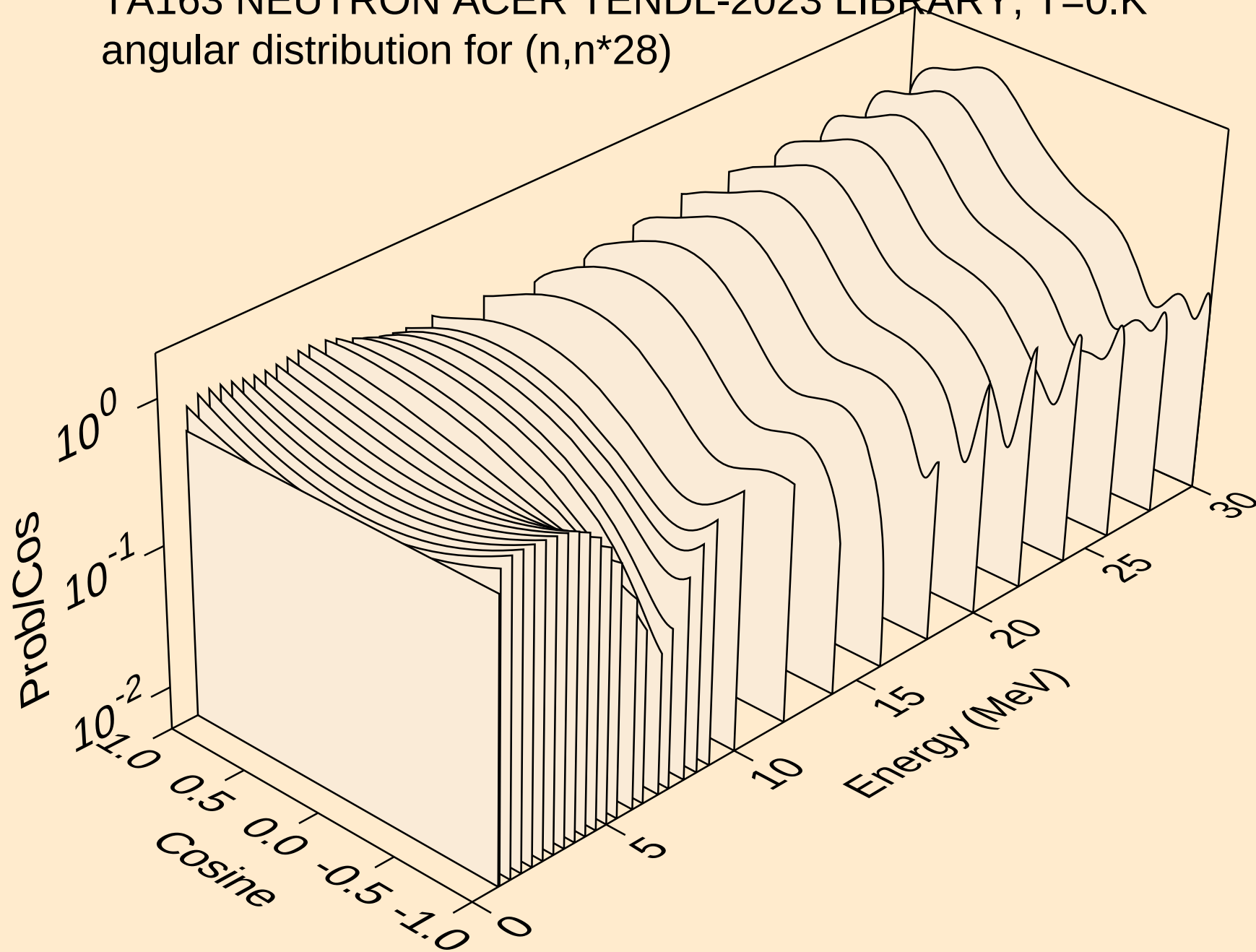
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*26)



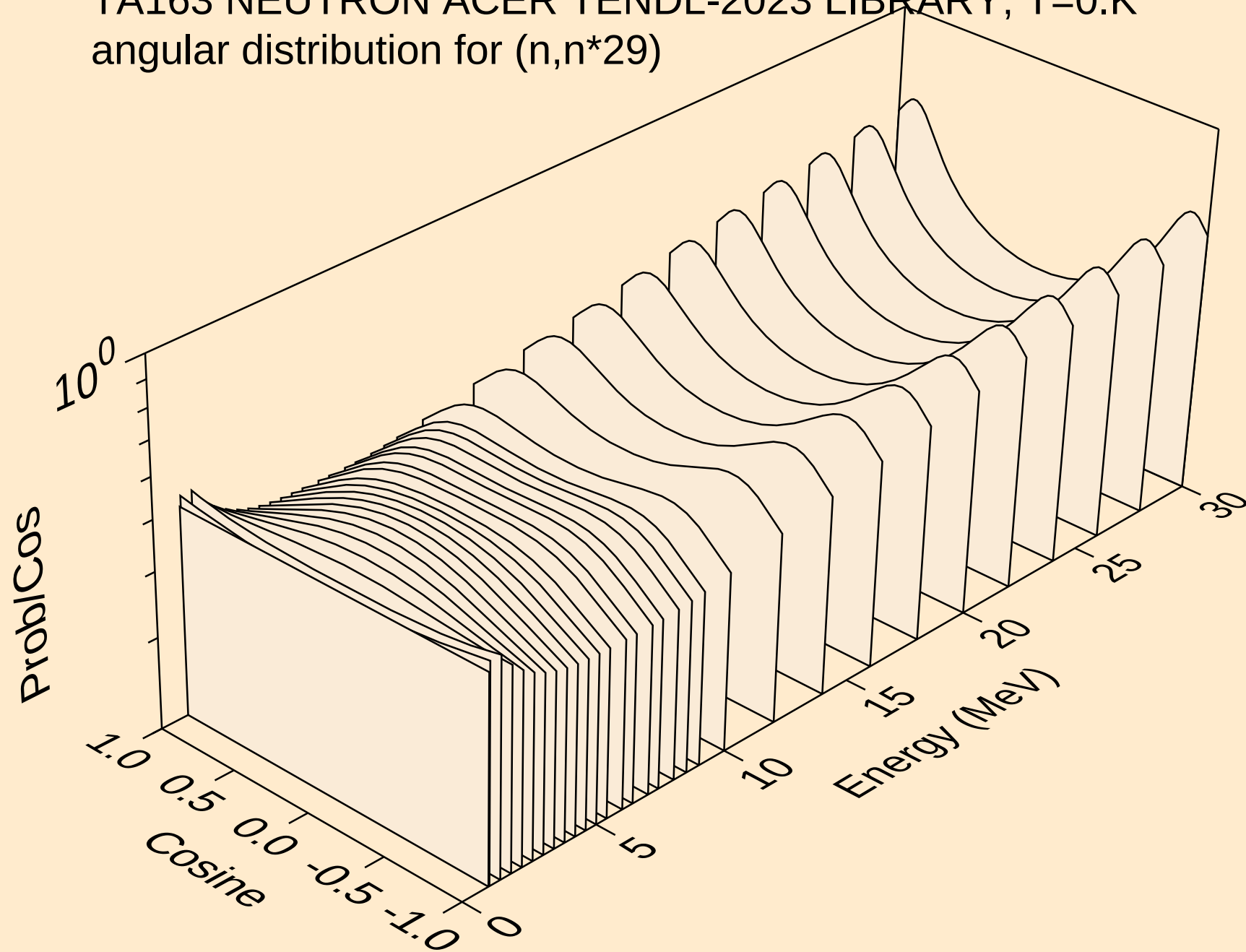
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*27)



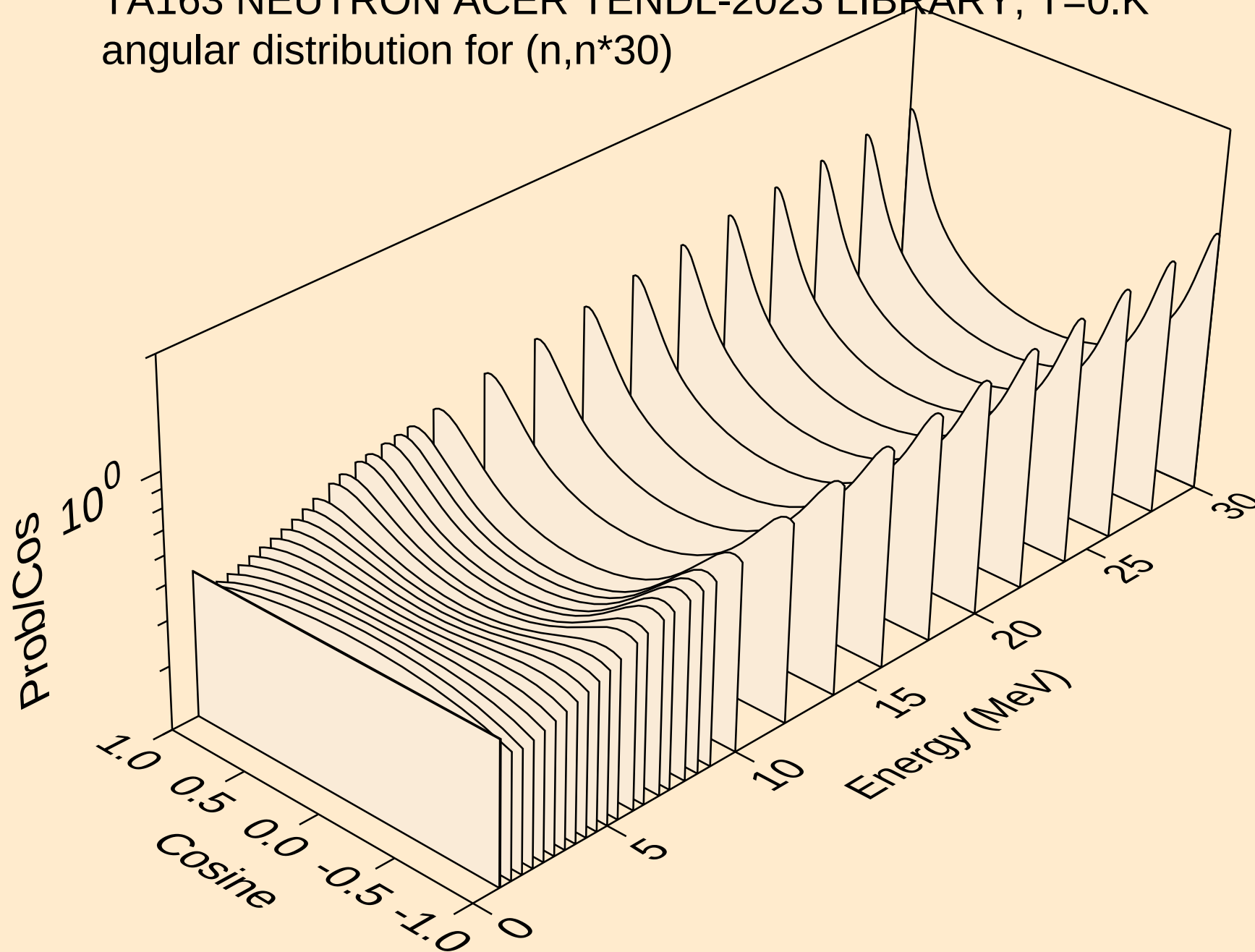
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angular distribution for (n,n*28)



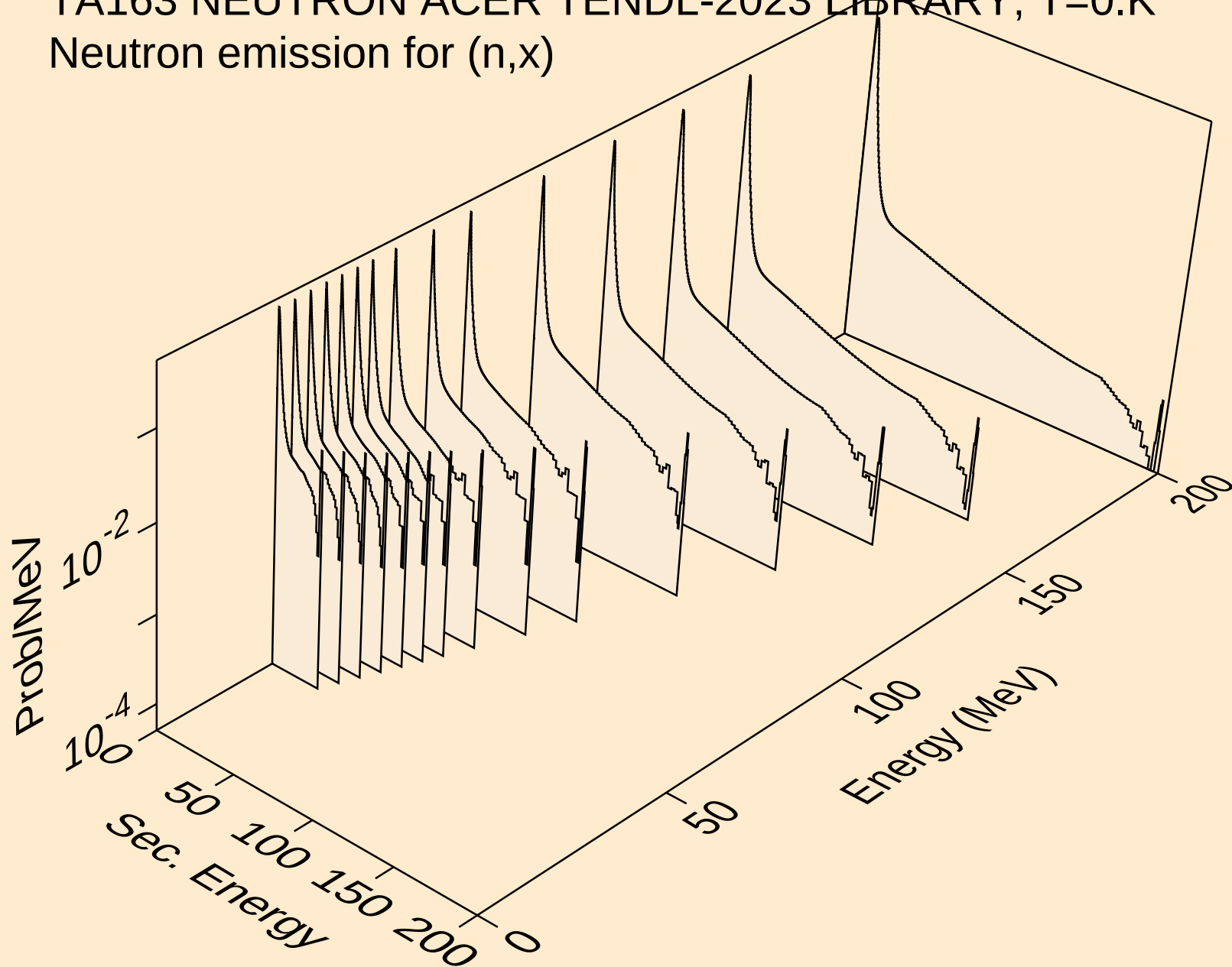
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*29)



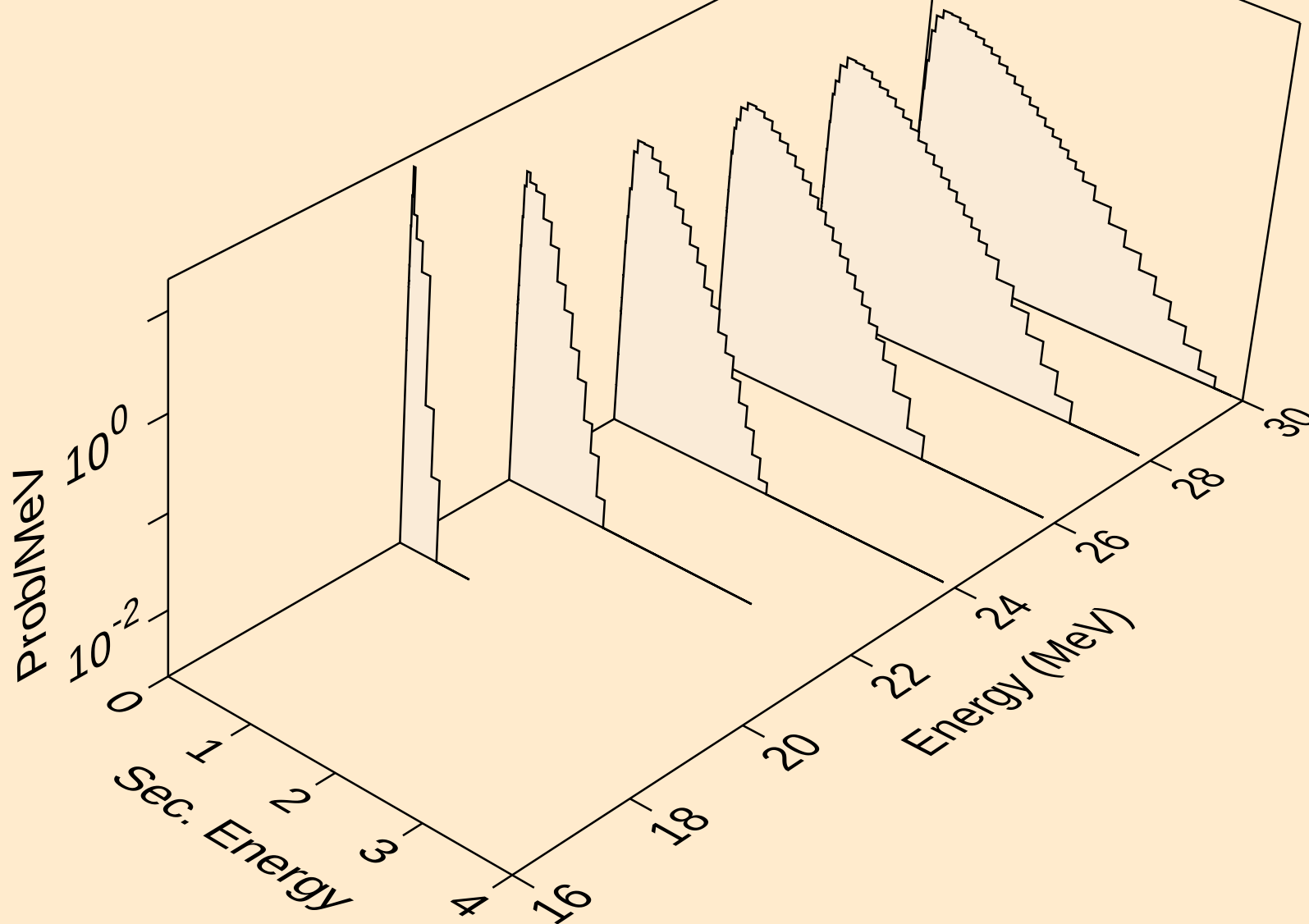
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*30)



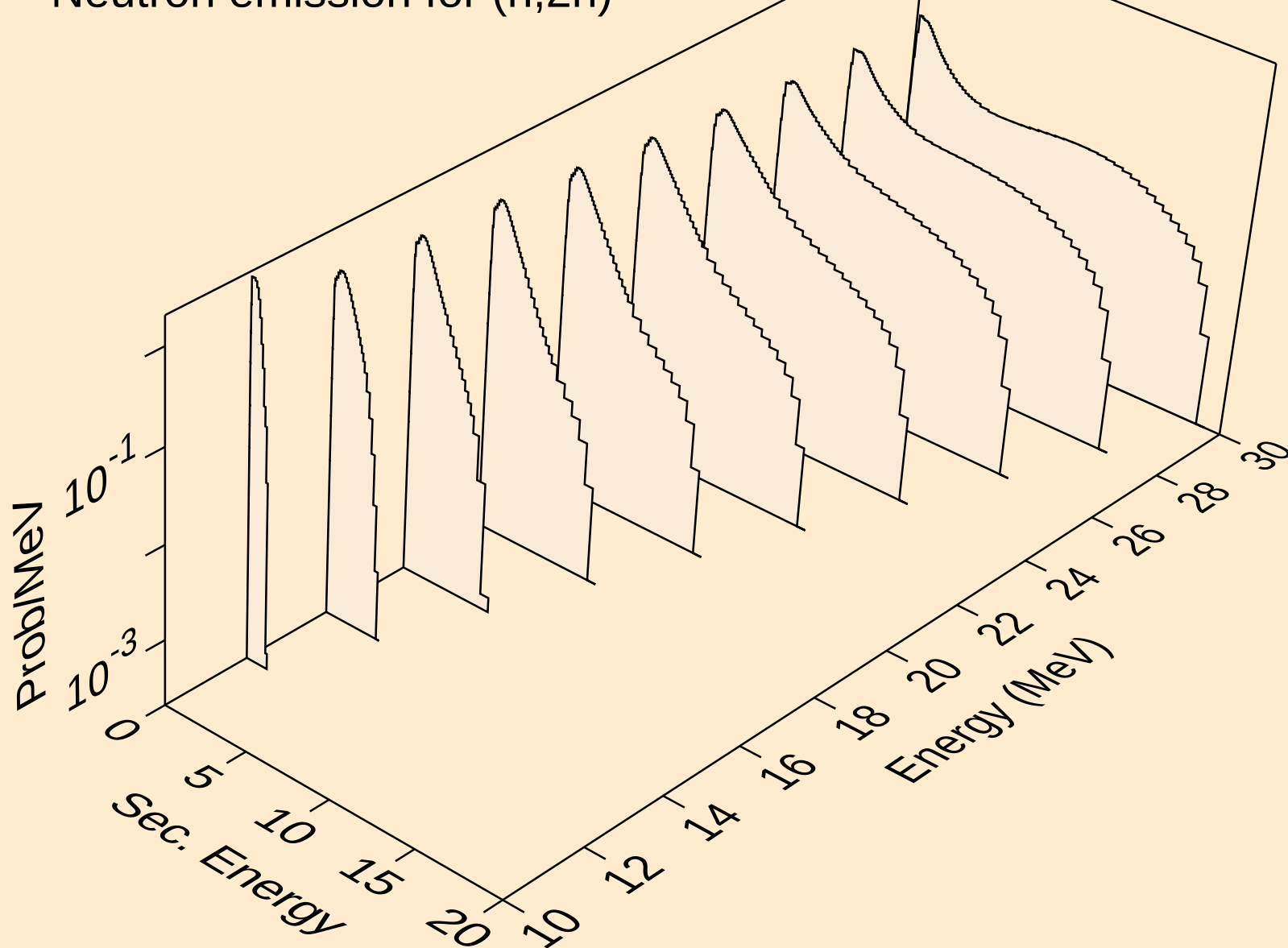
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



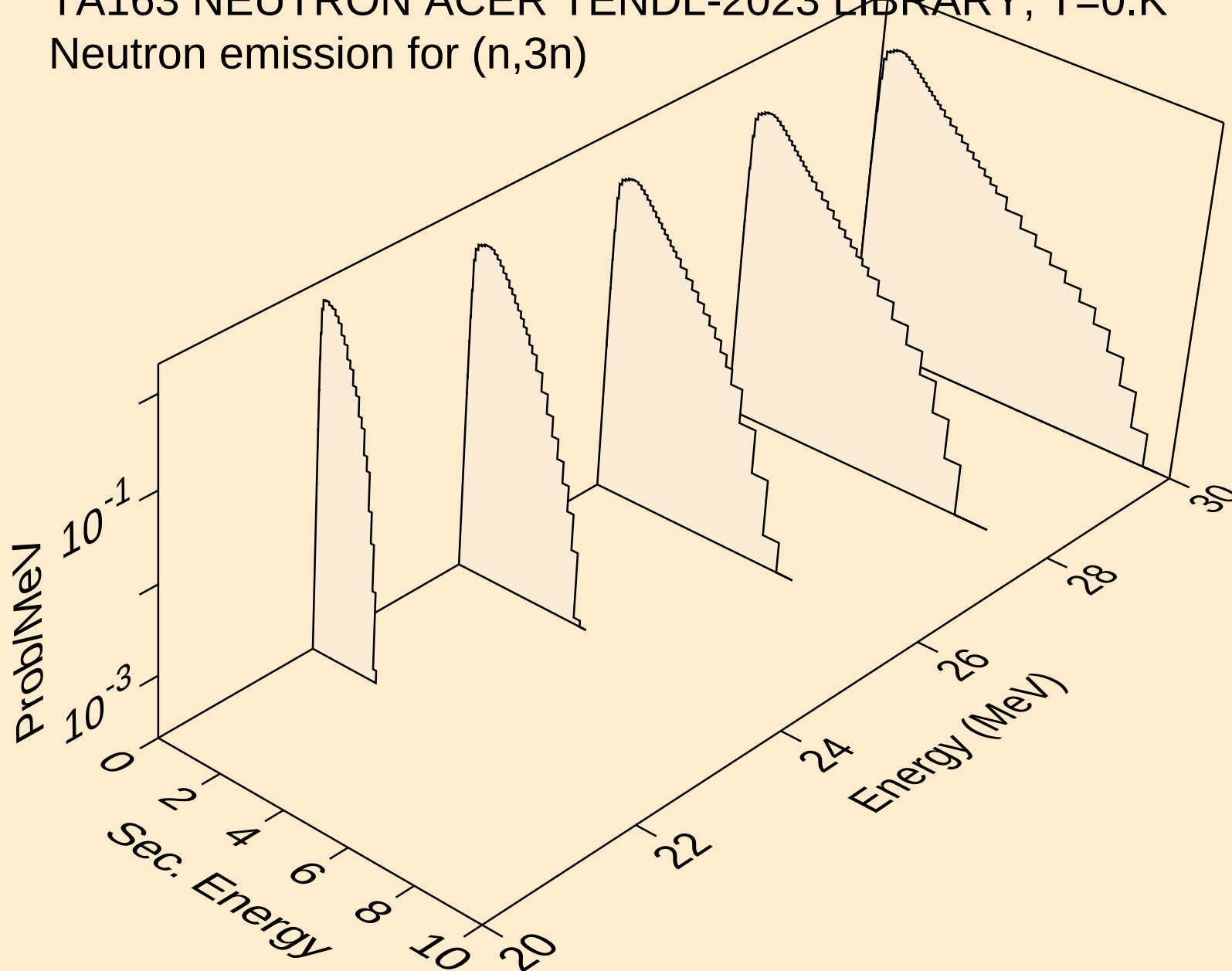
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



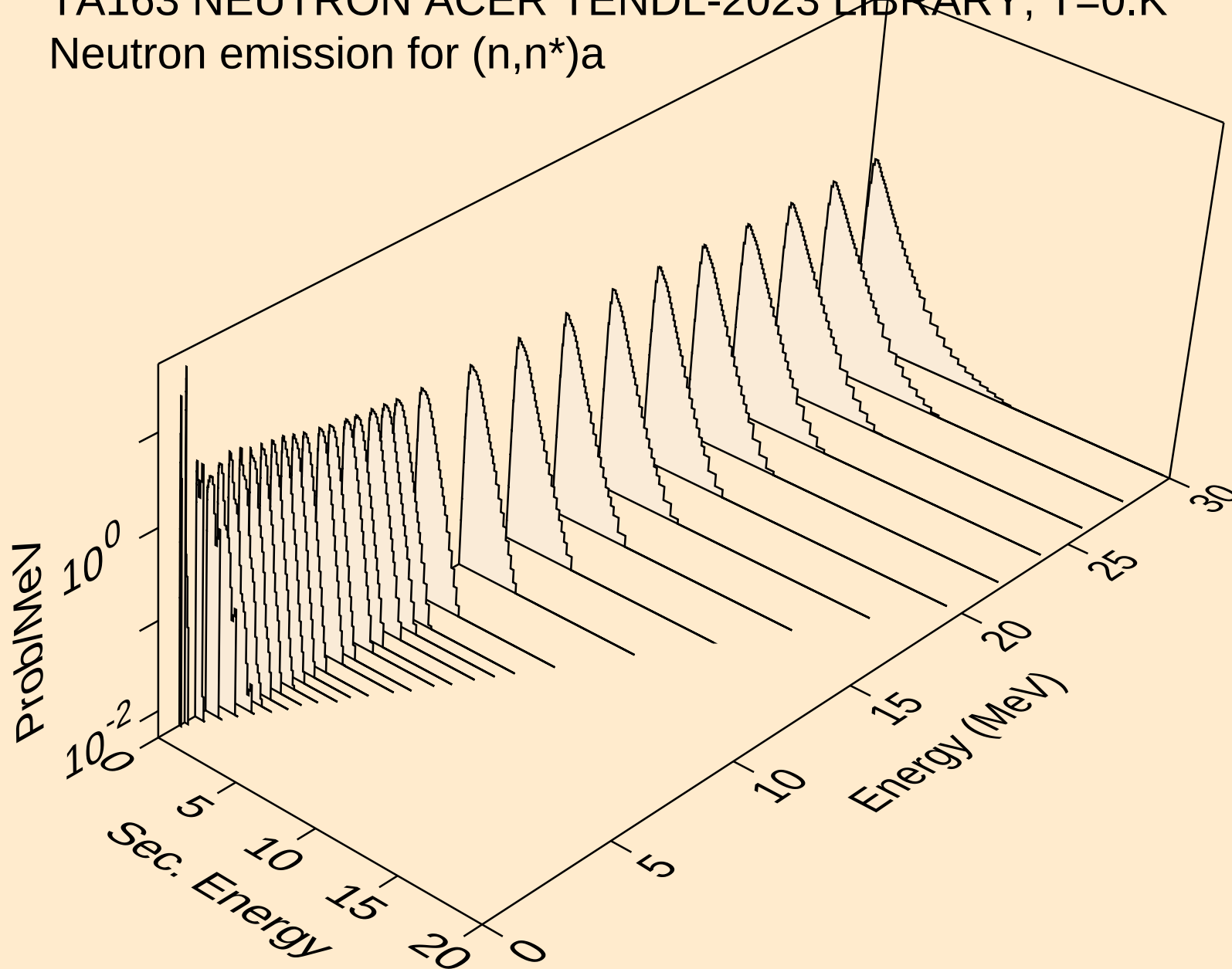
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



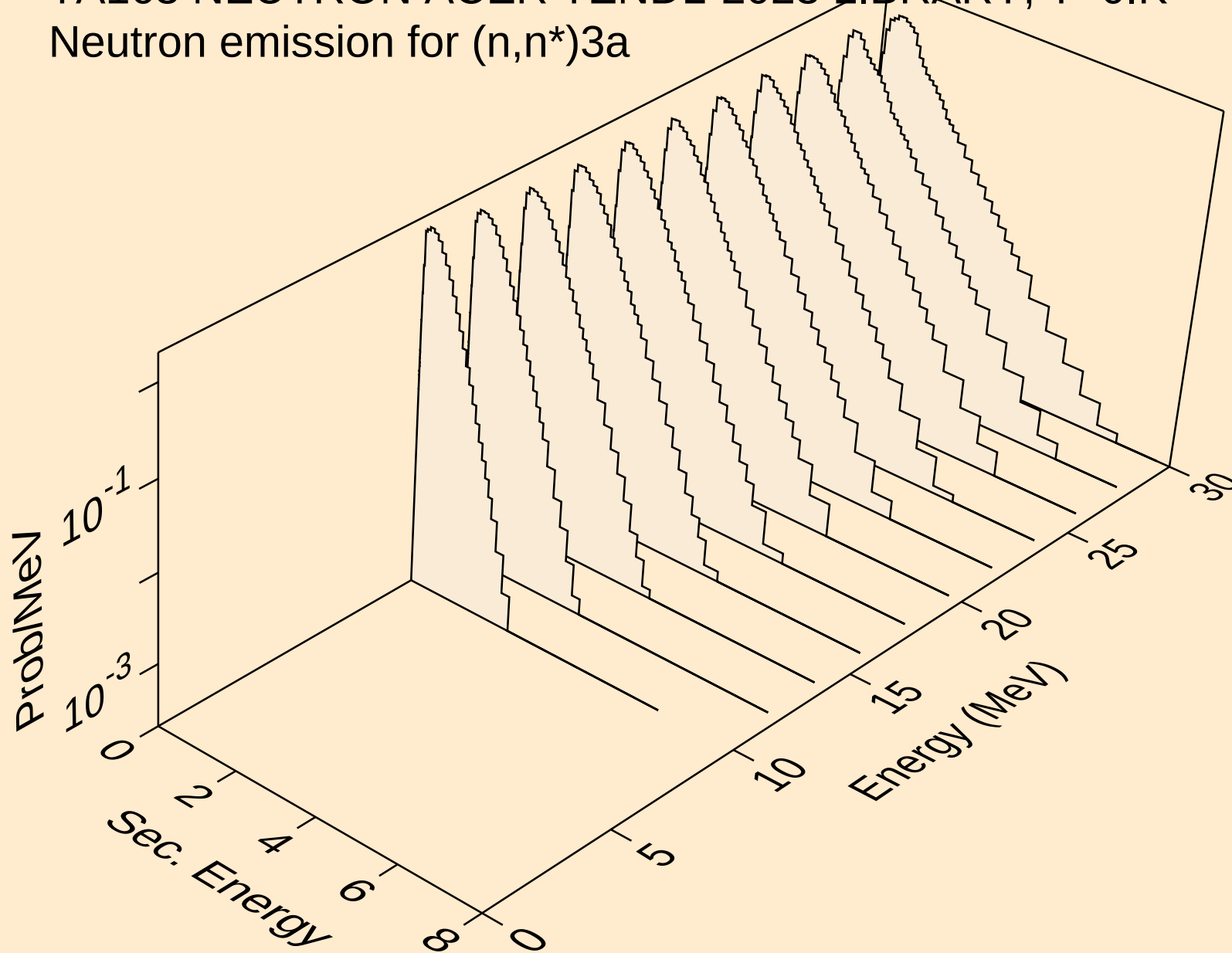
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



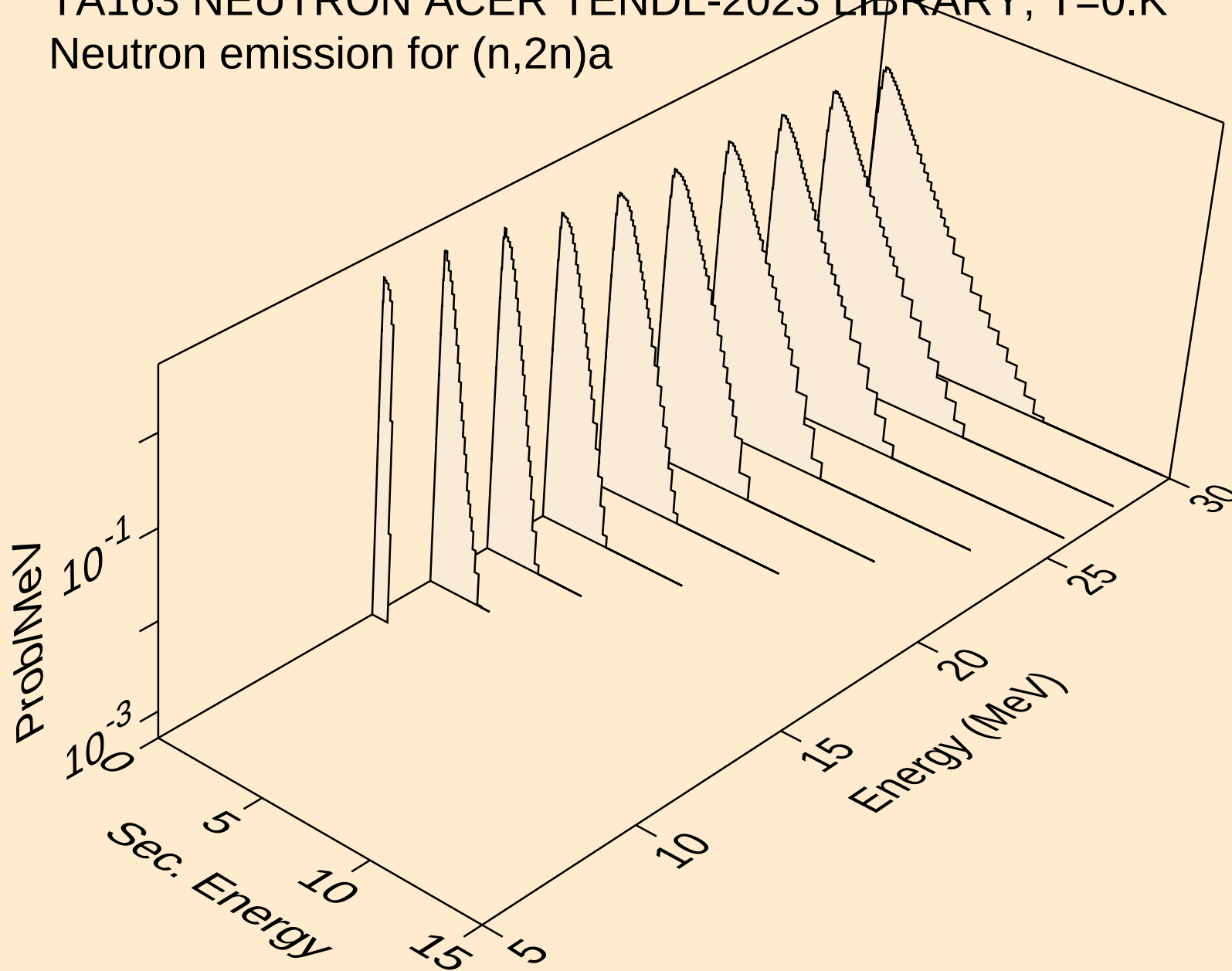
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



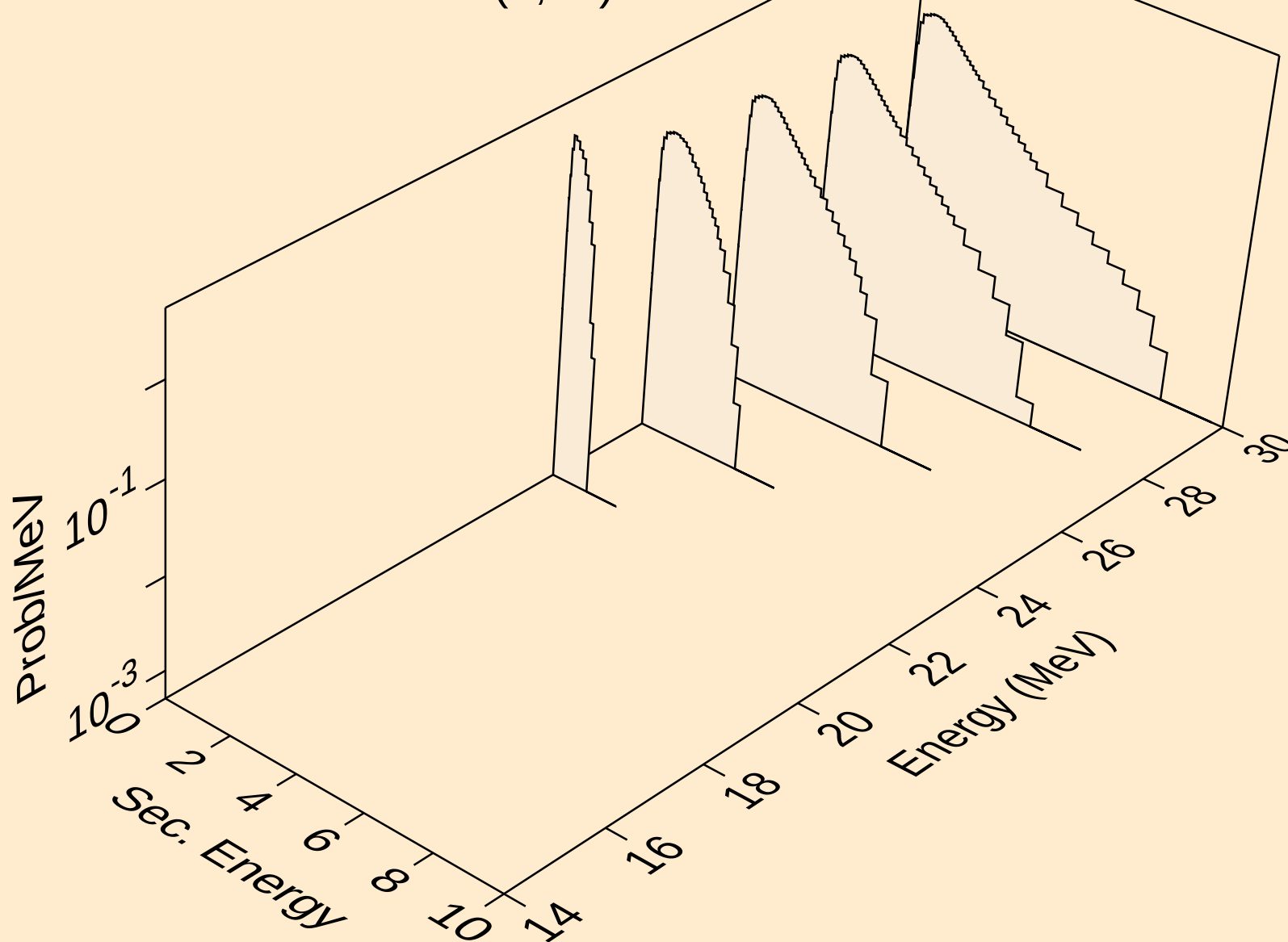
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Neutron emission for (n,n*)³a



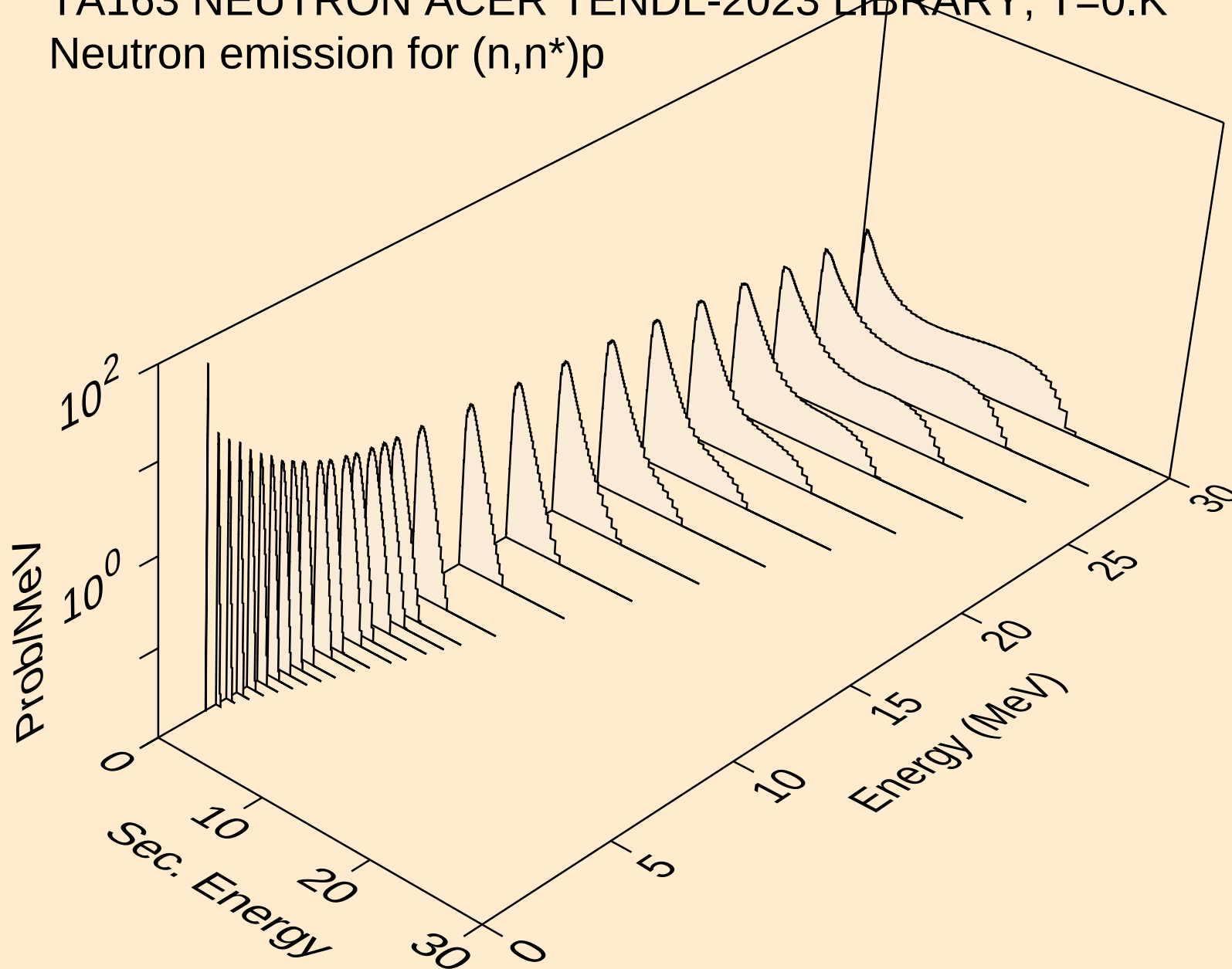
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)_a



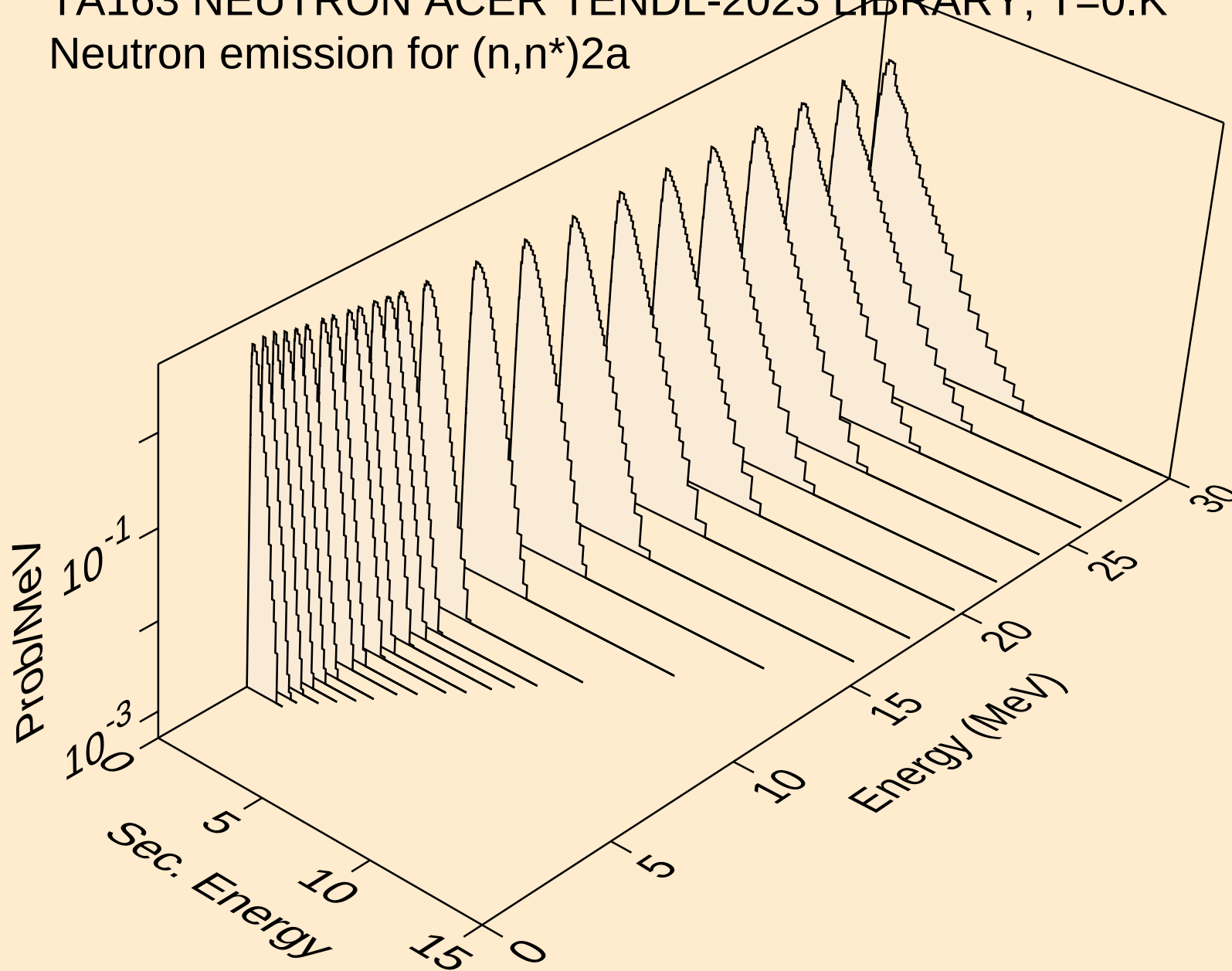
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Neutron emission for (n,3n)a



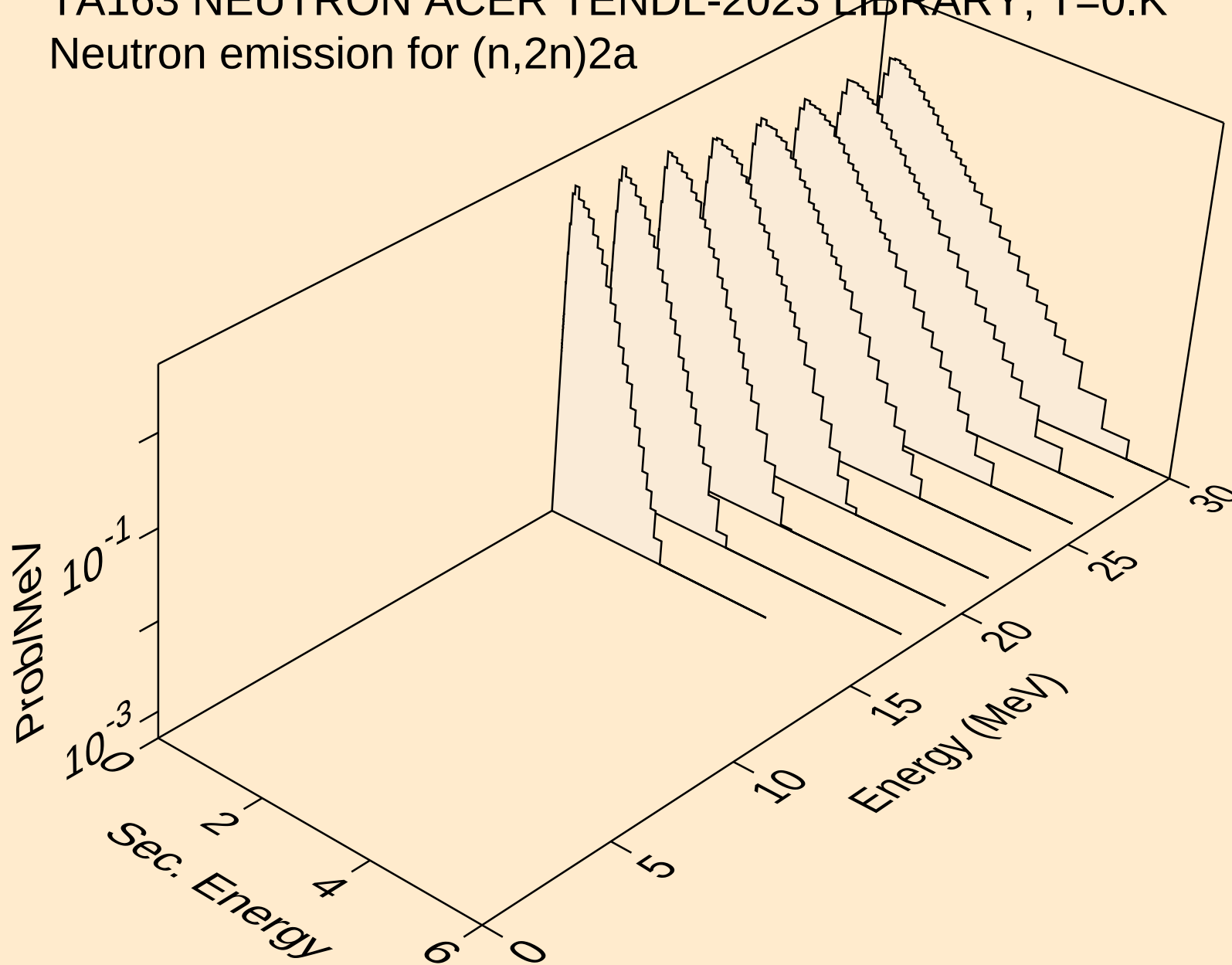
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



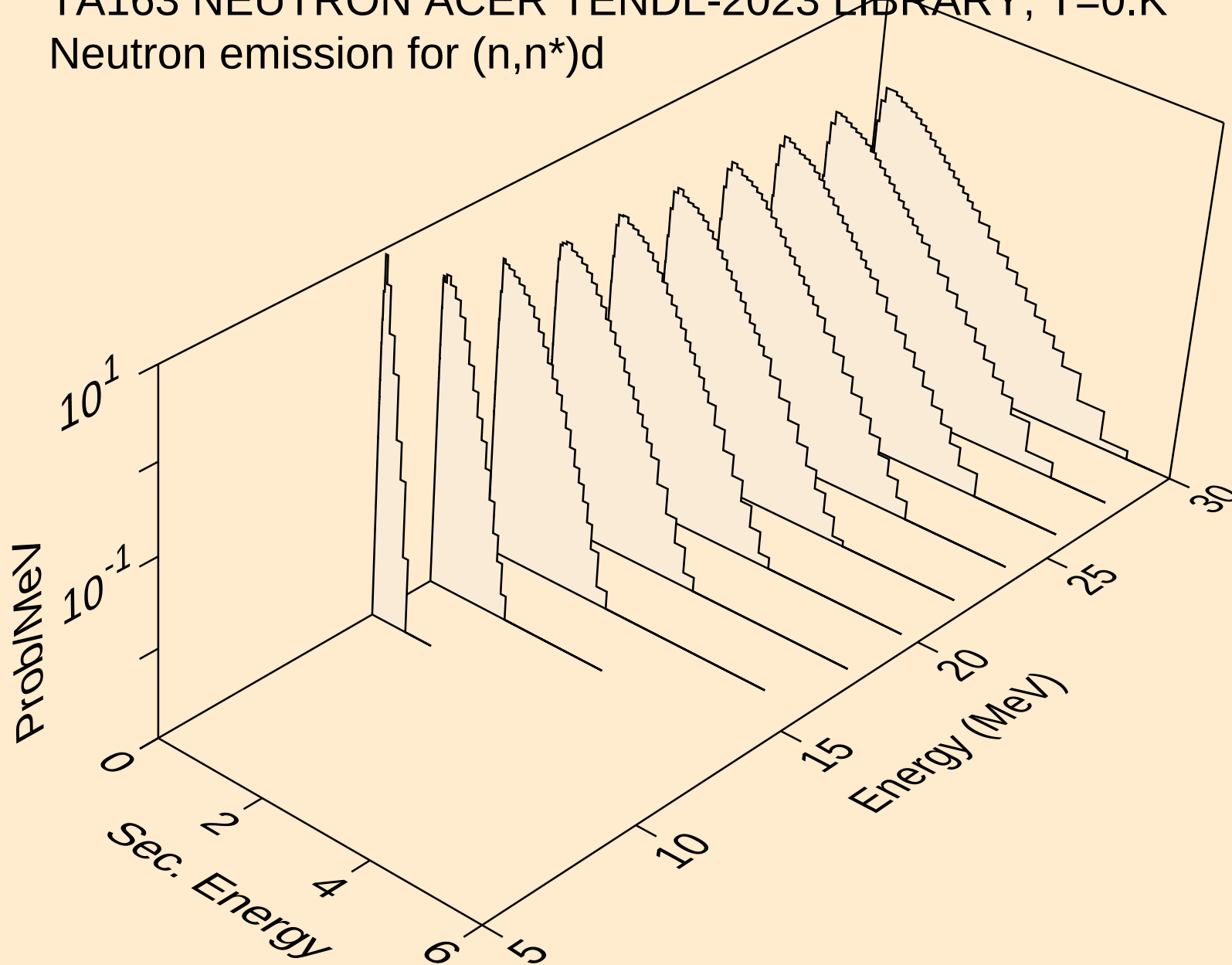
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



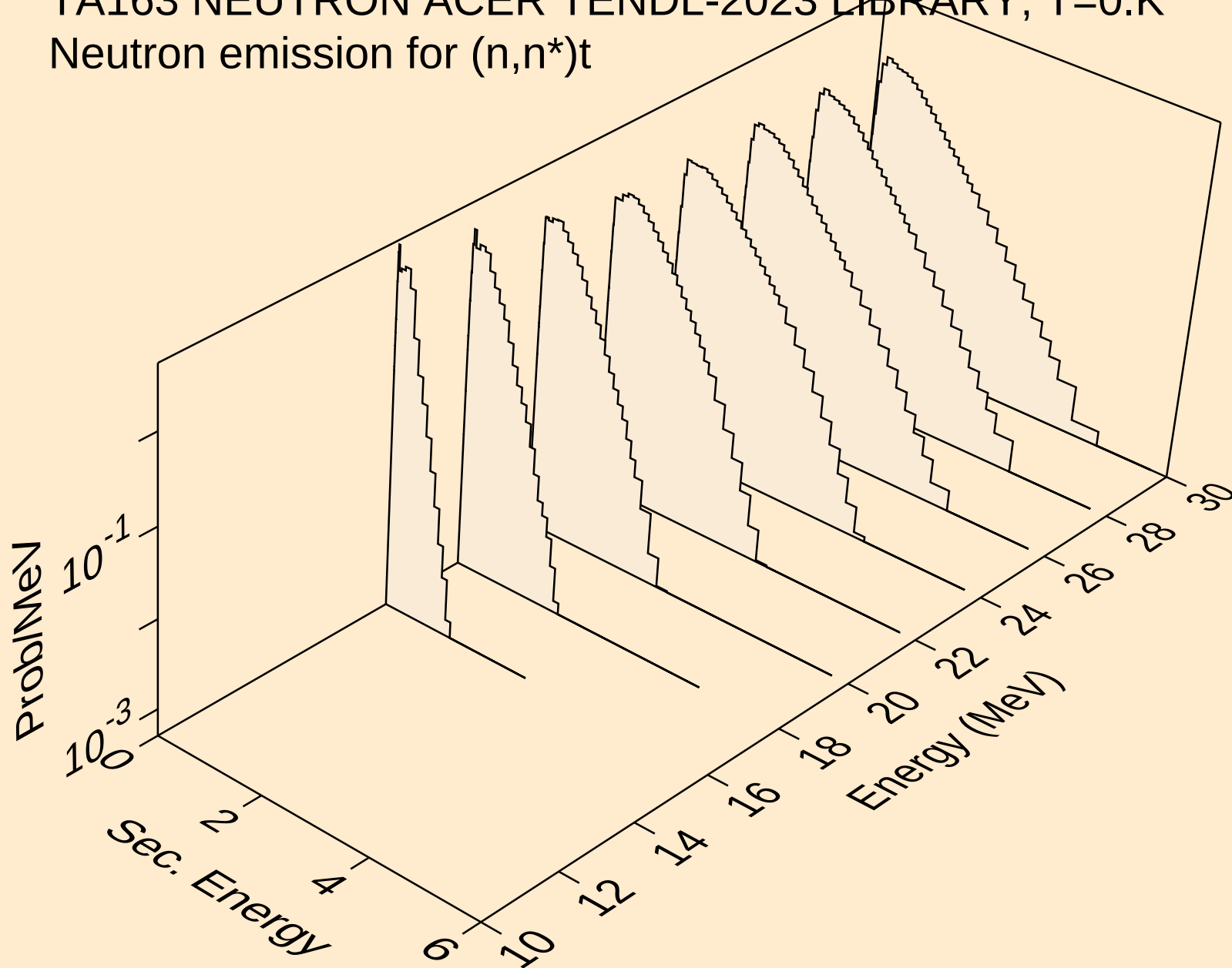
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



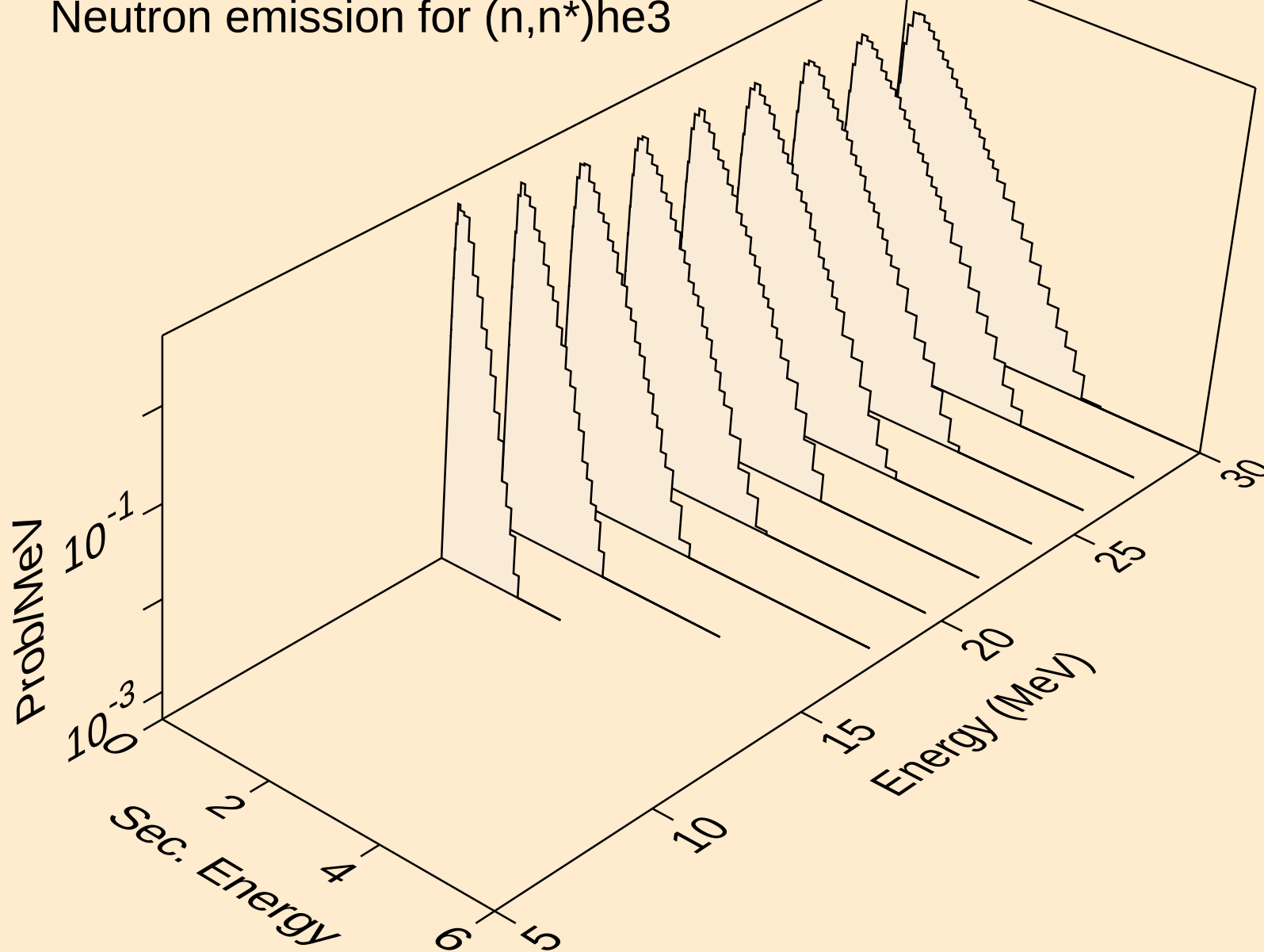
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



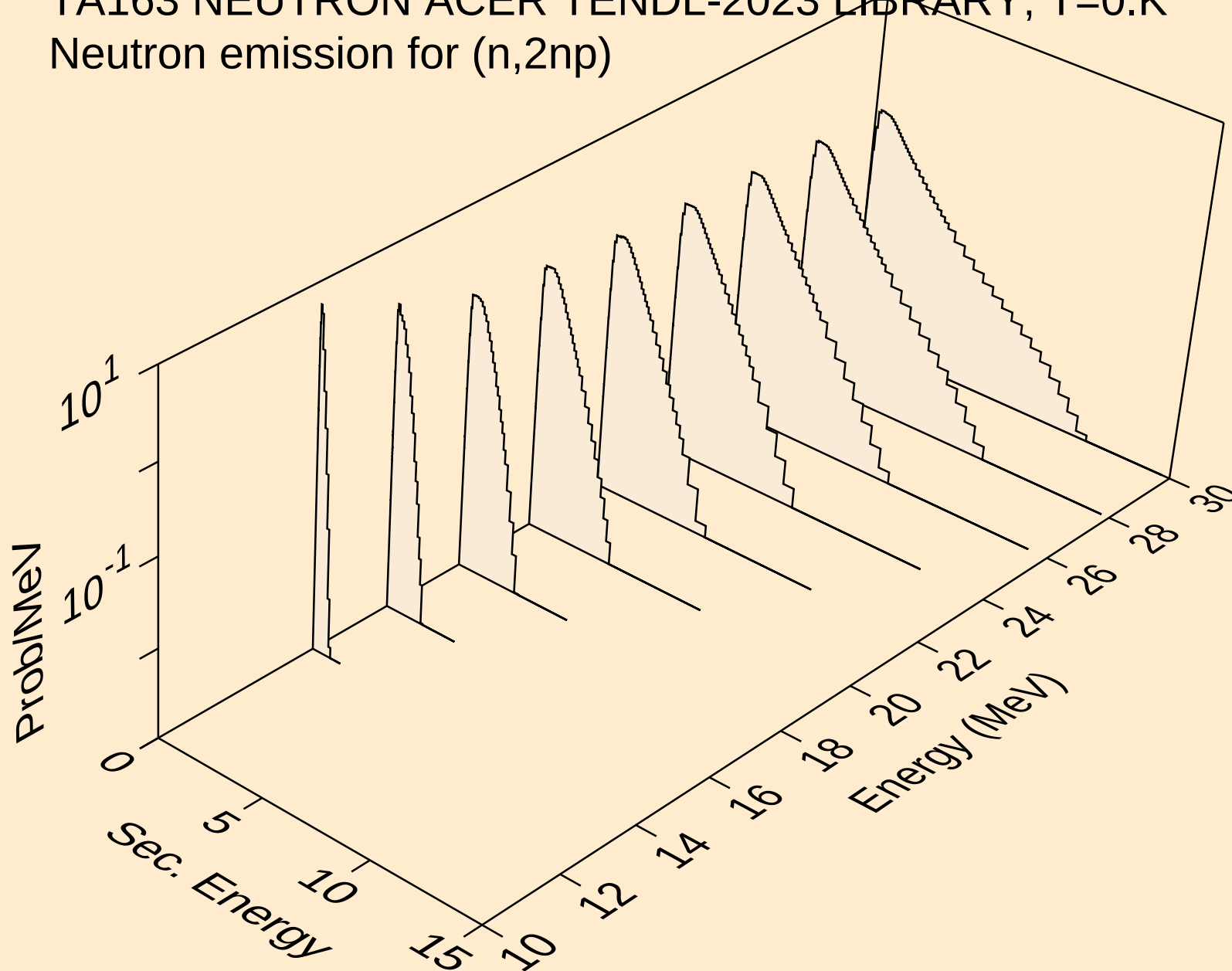
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



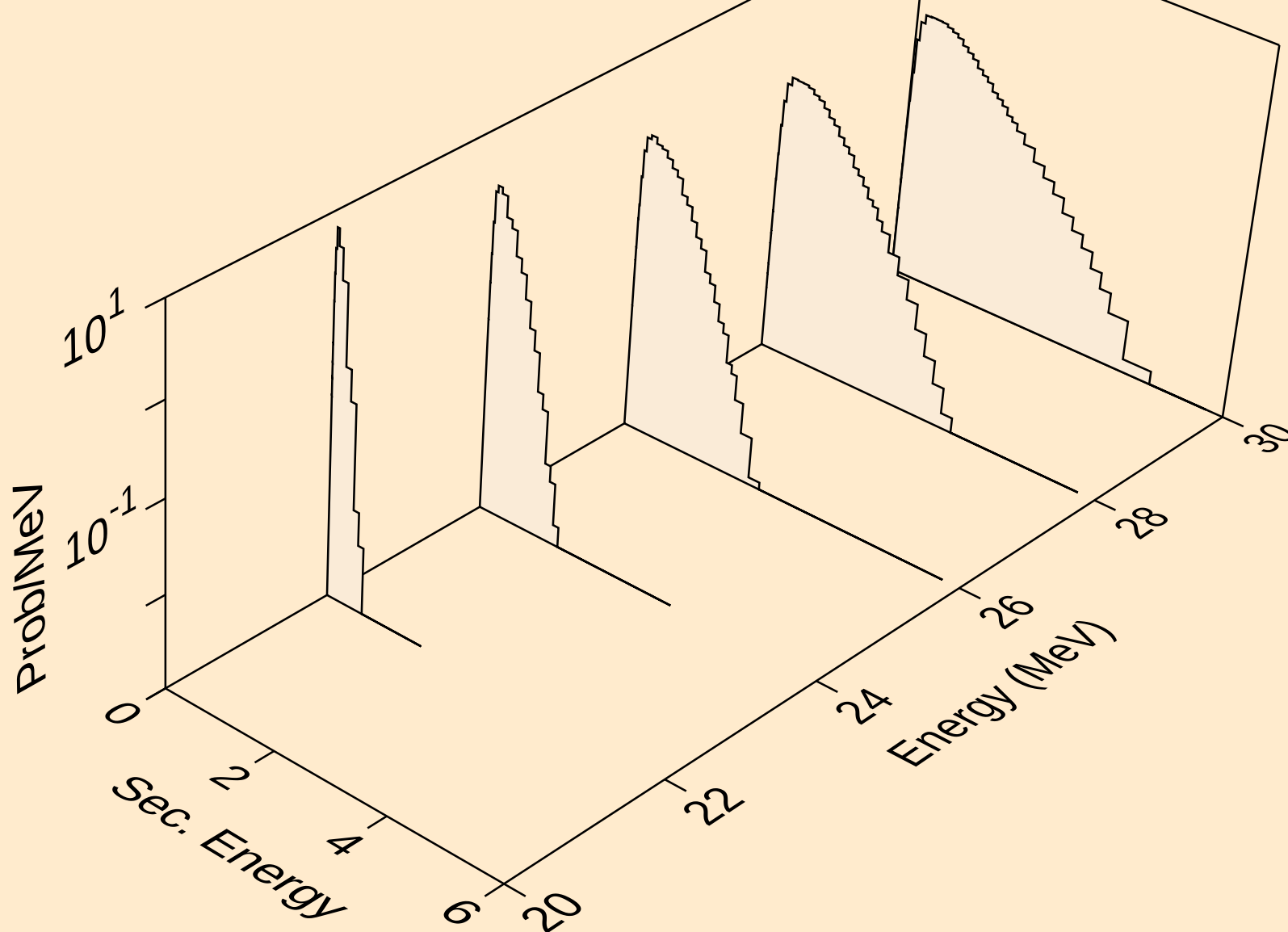
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



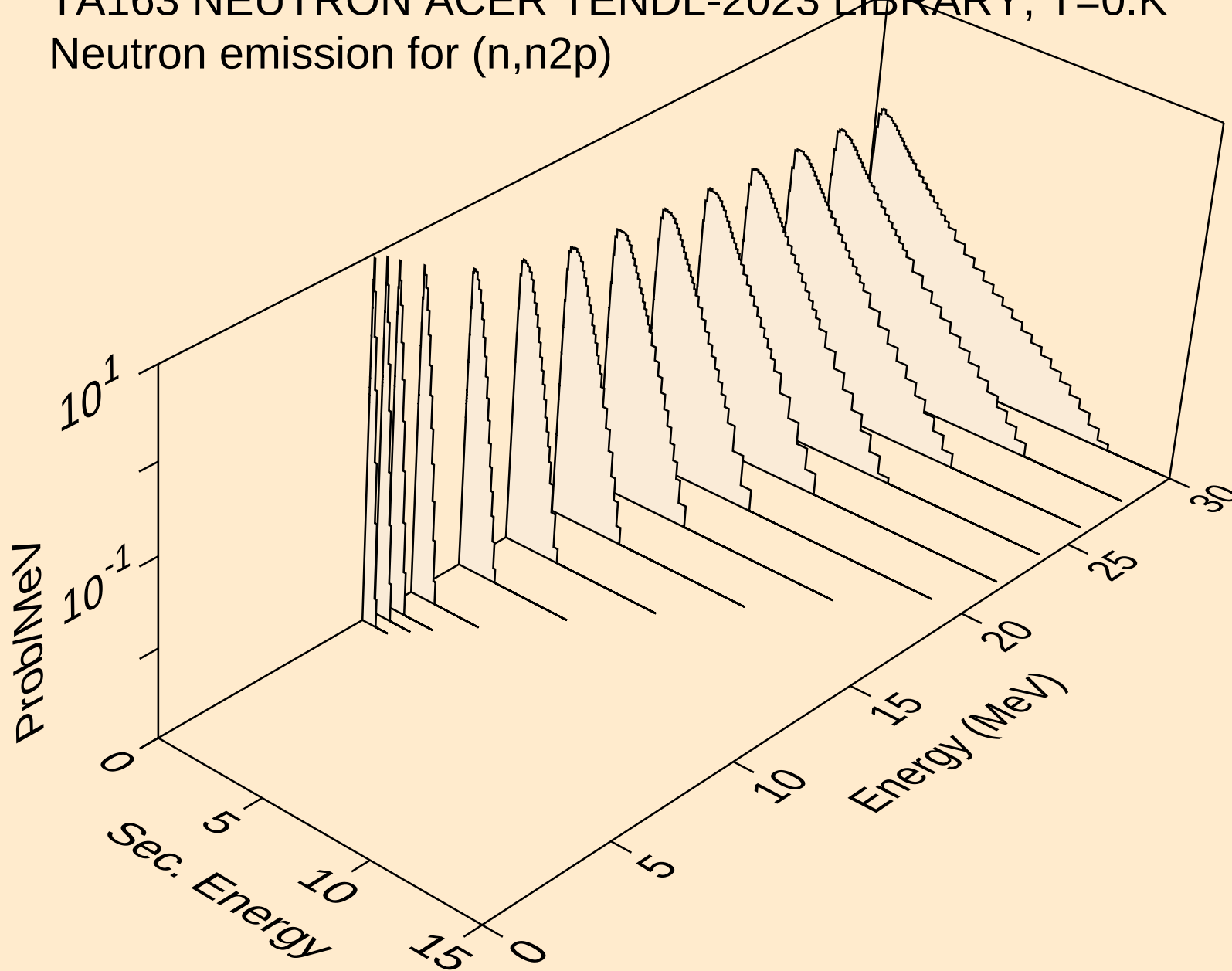
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



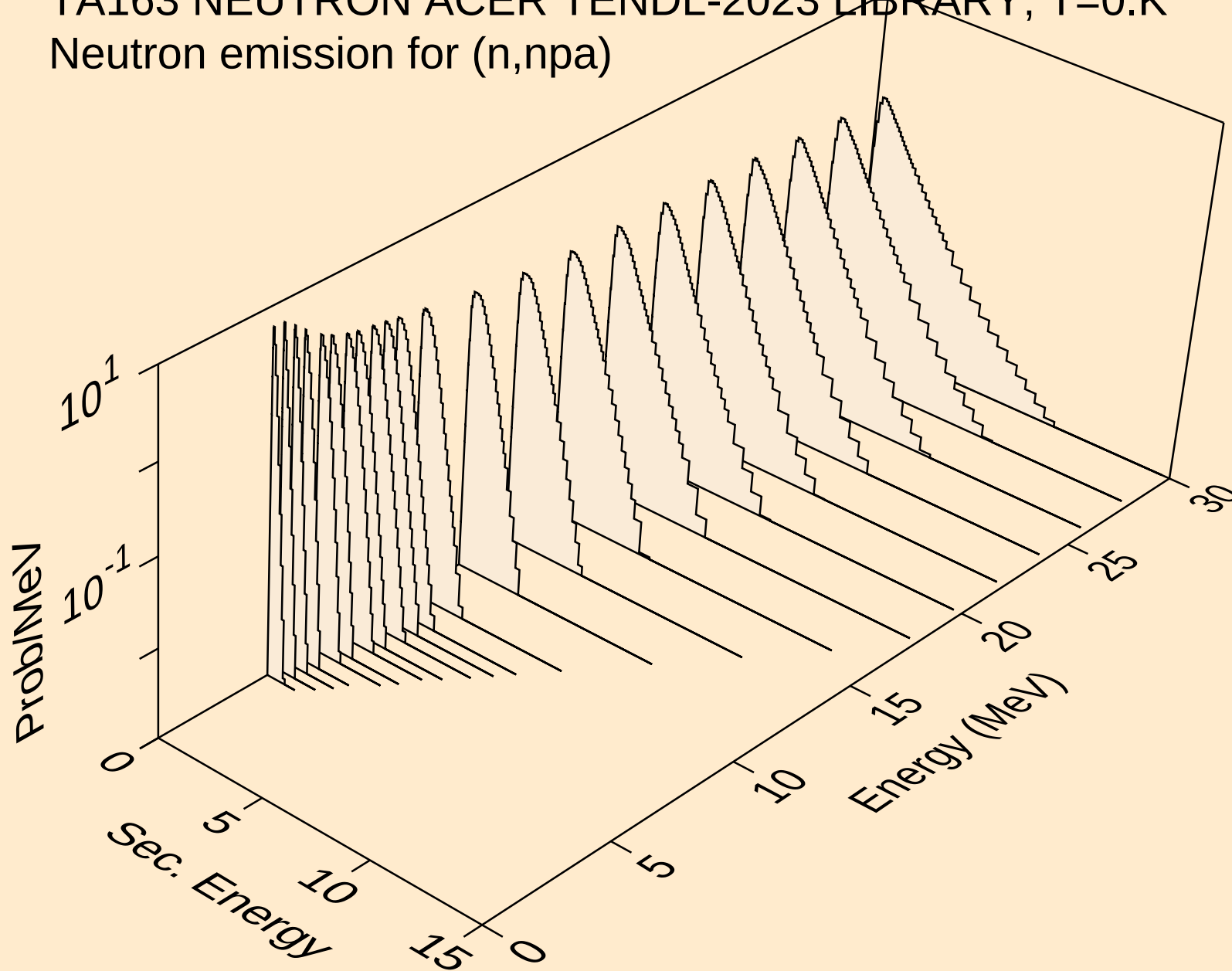
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



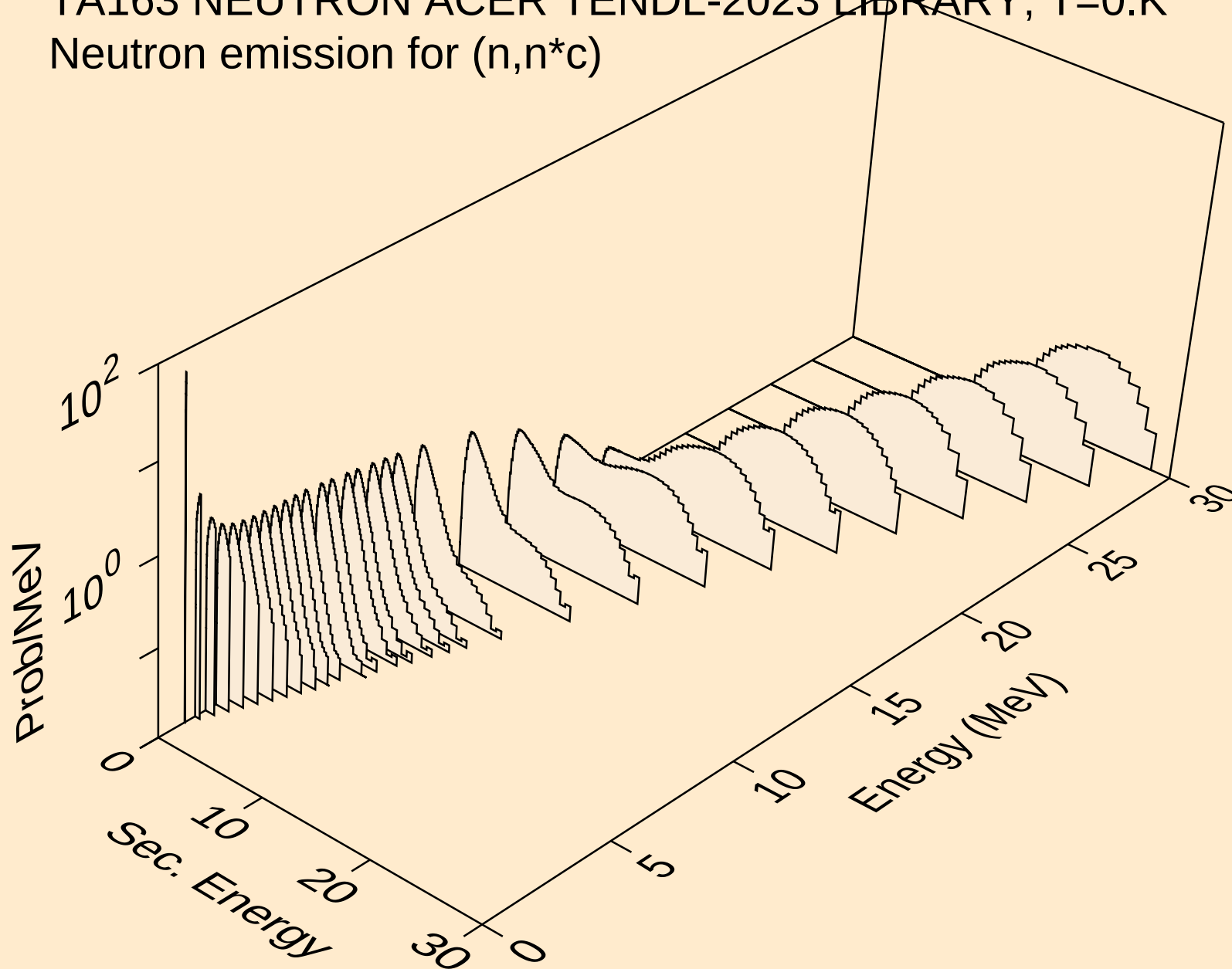
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



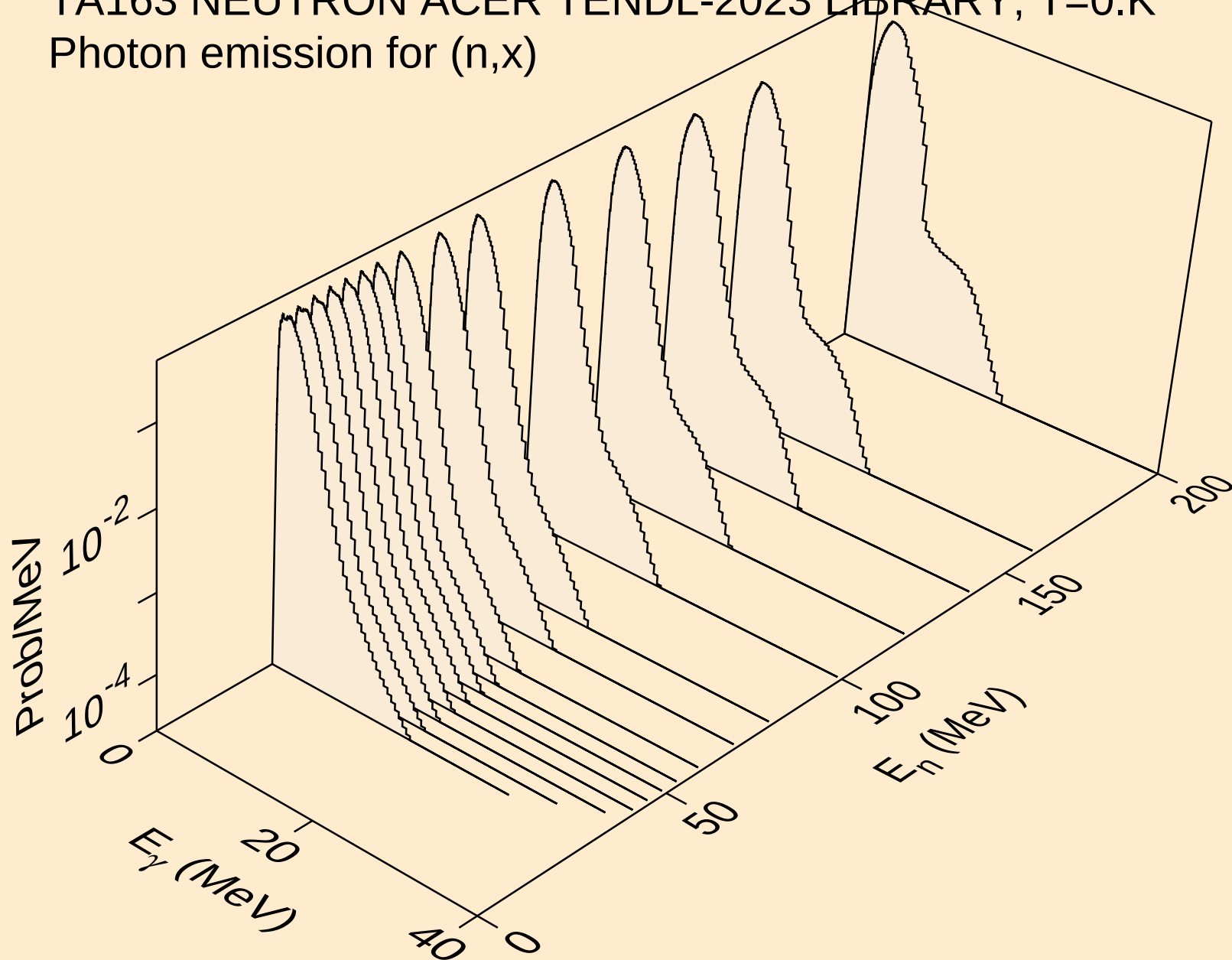
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



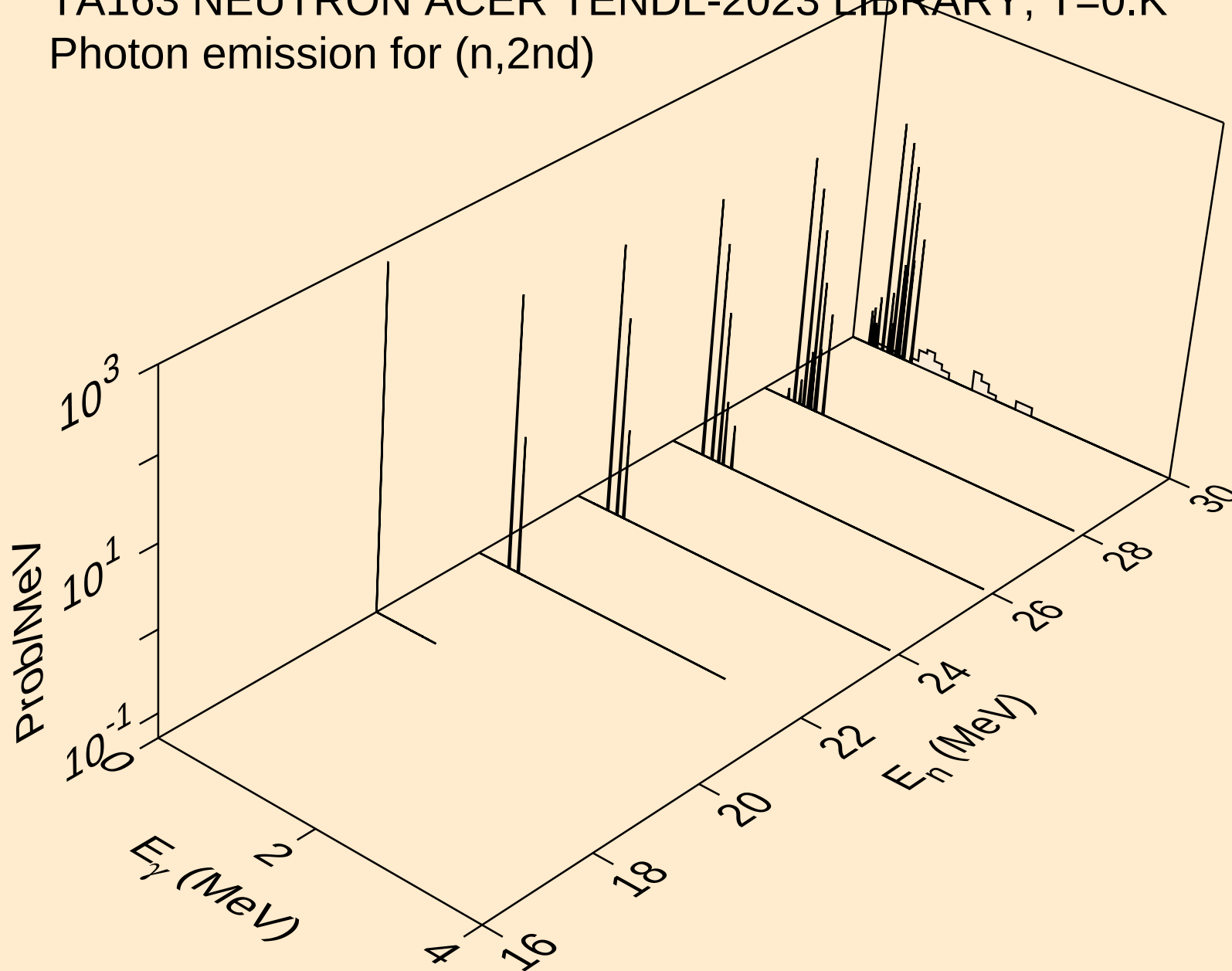
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



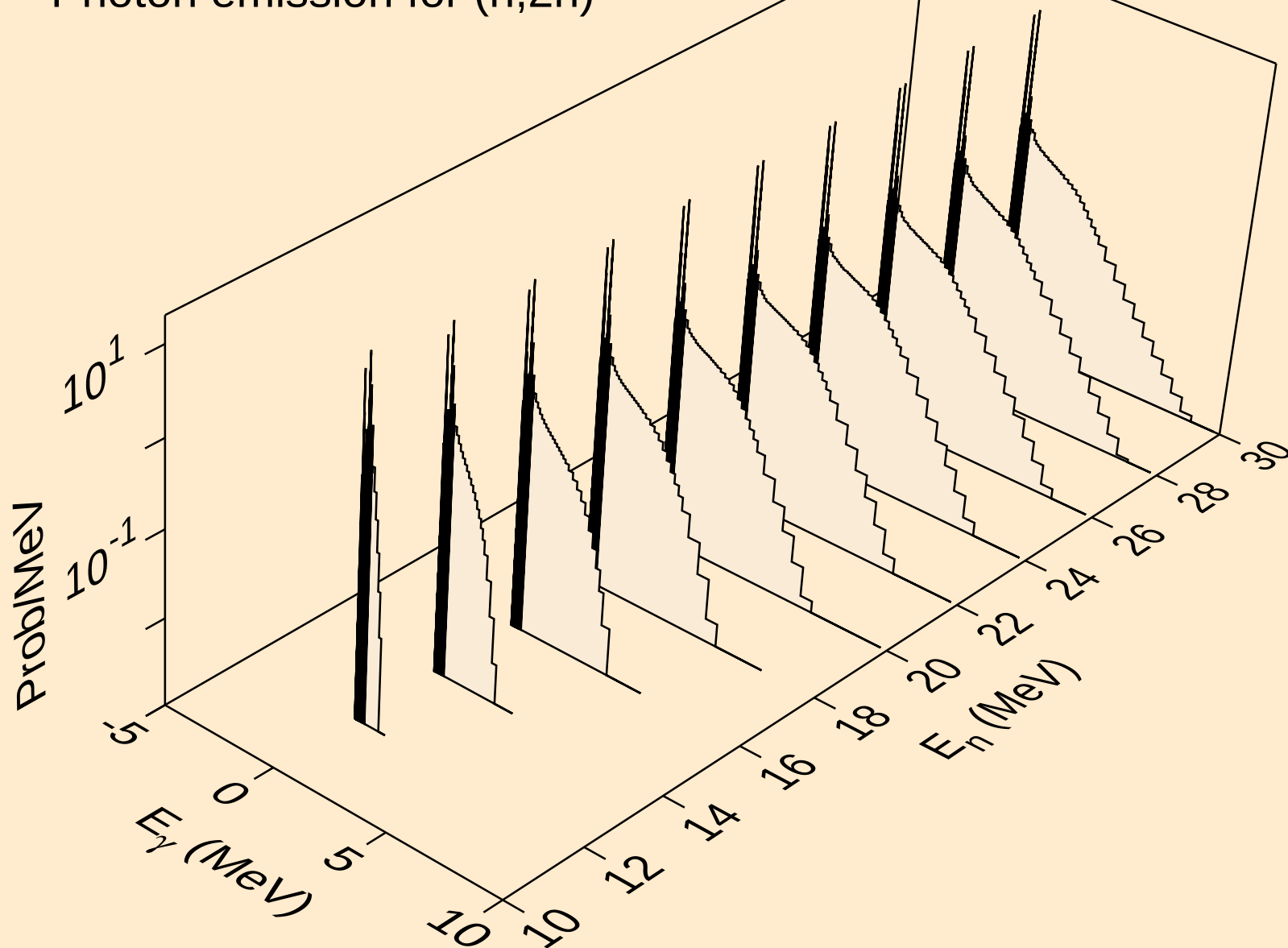
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



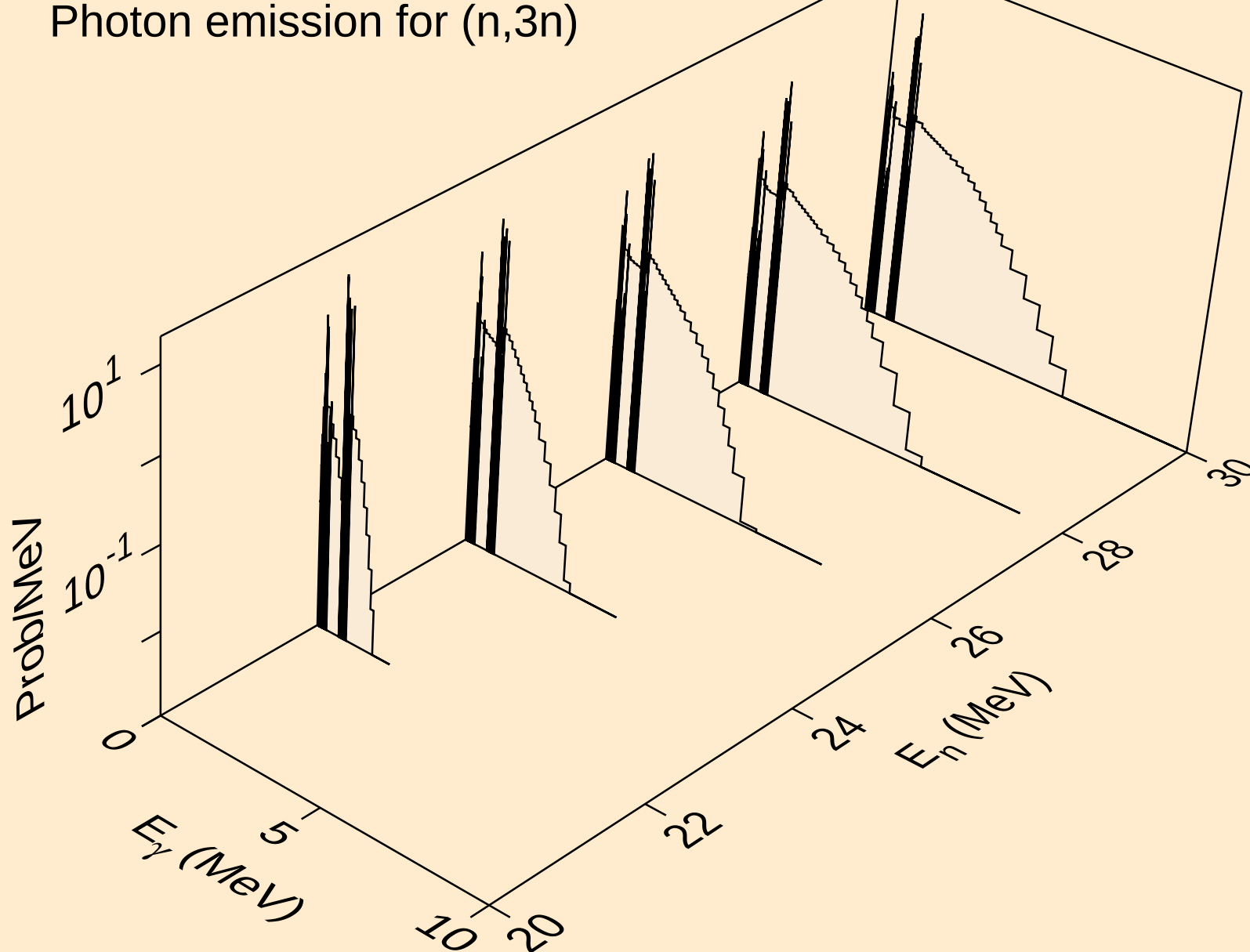
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



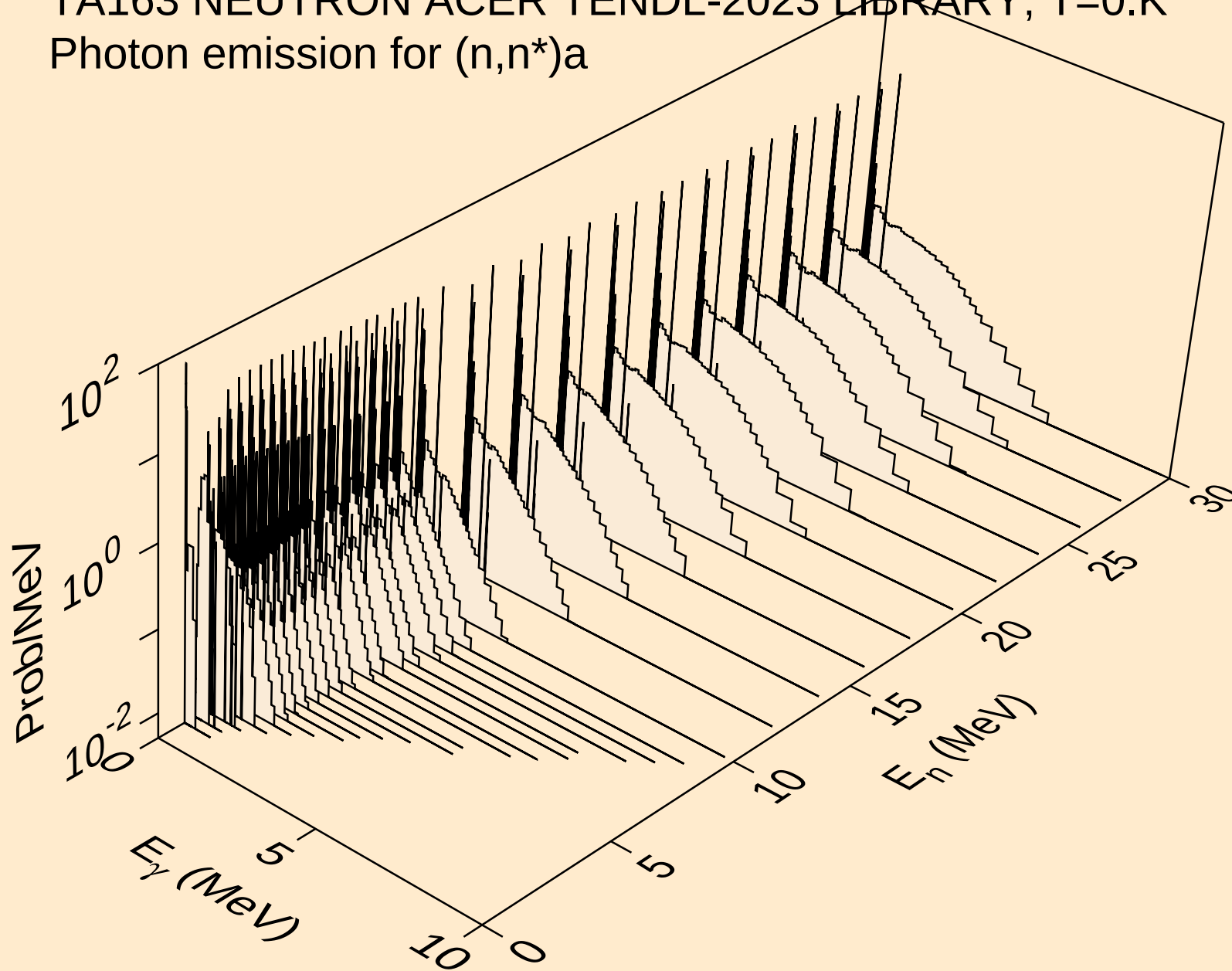
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Photon emission for (n,2n)



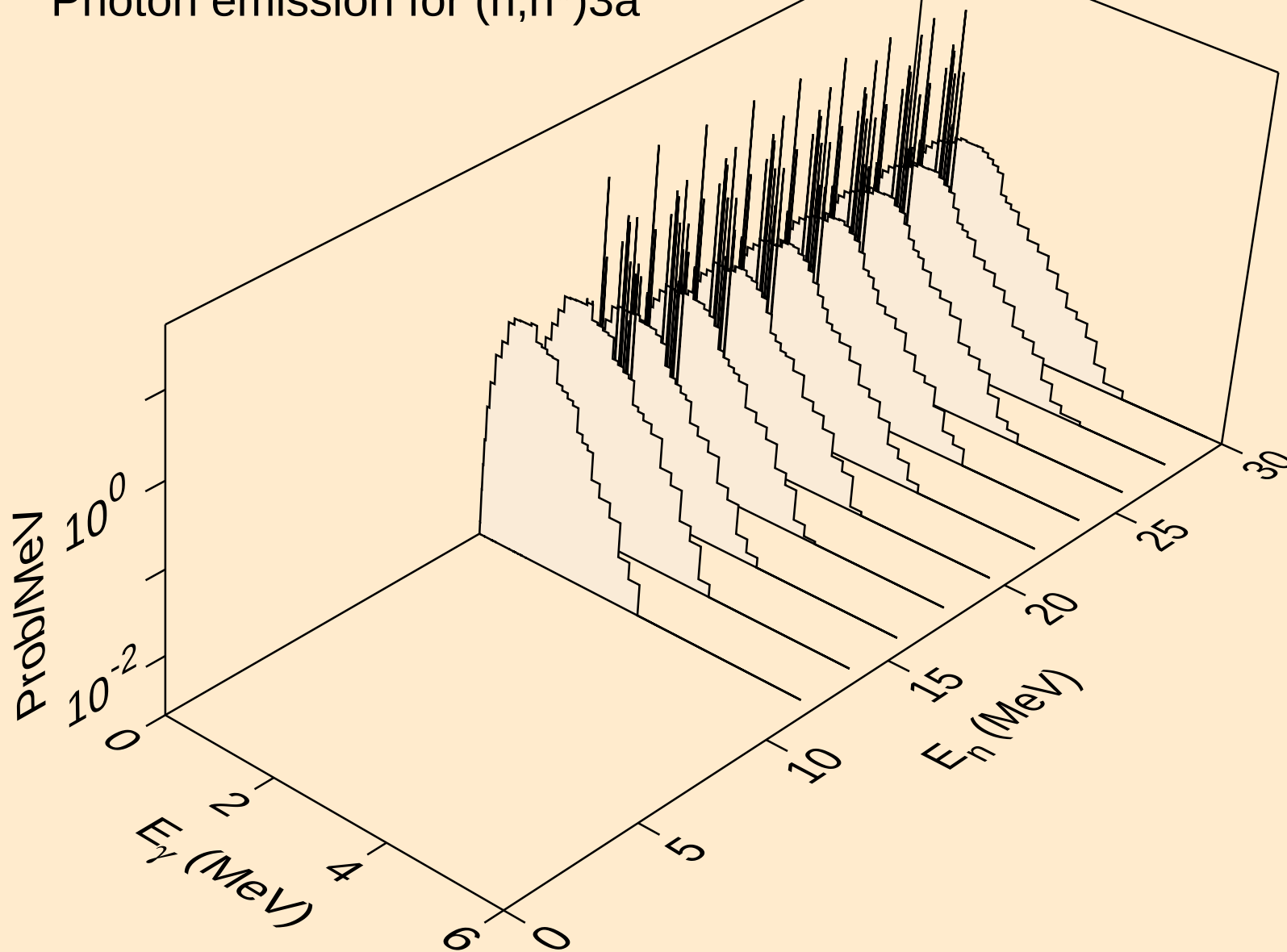
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a

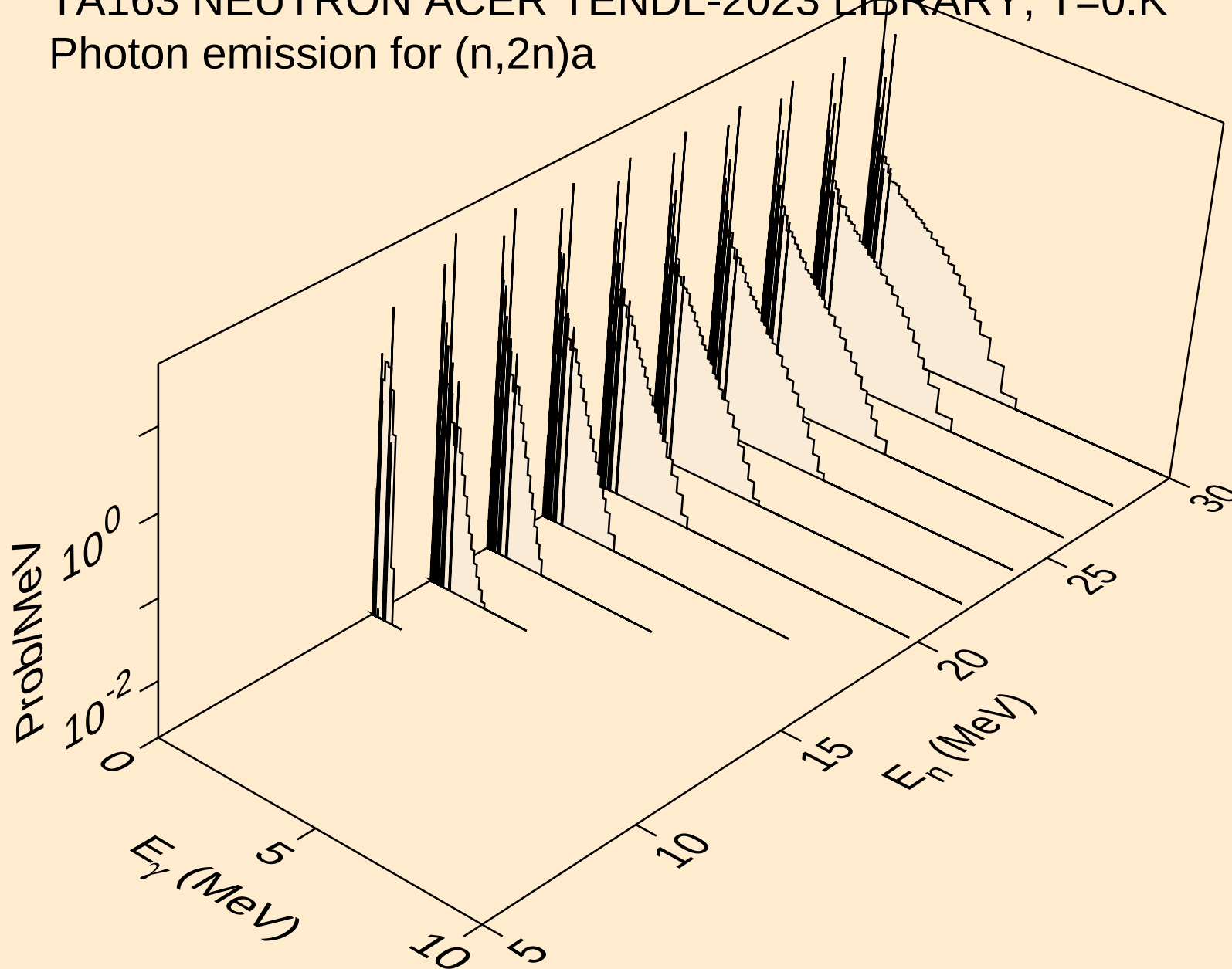


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)³a



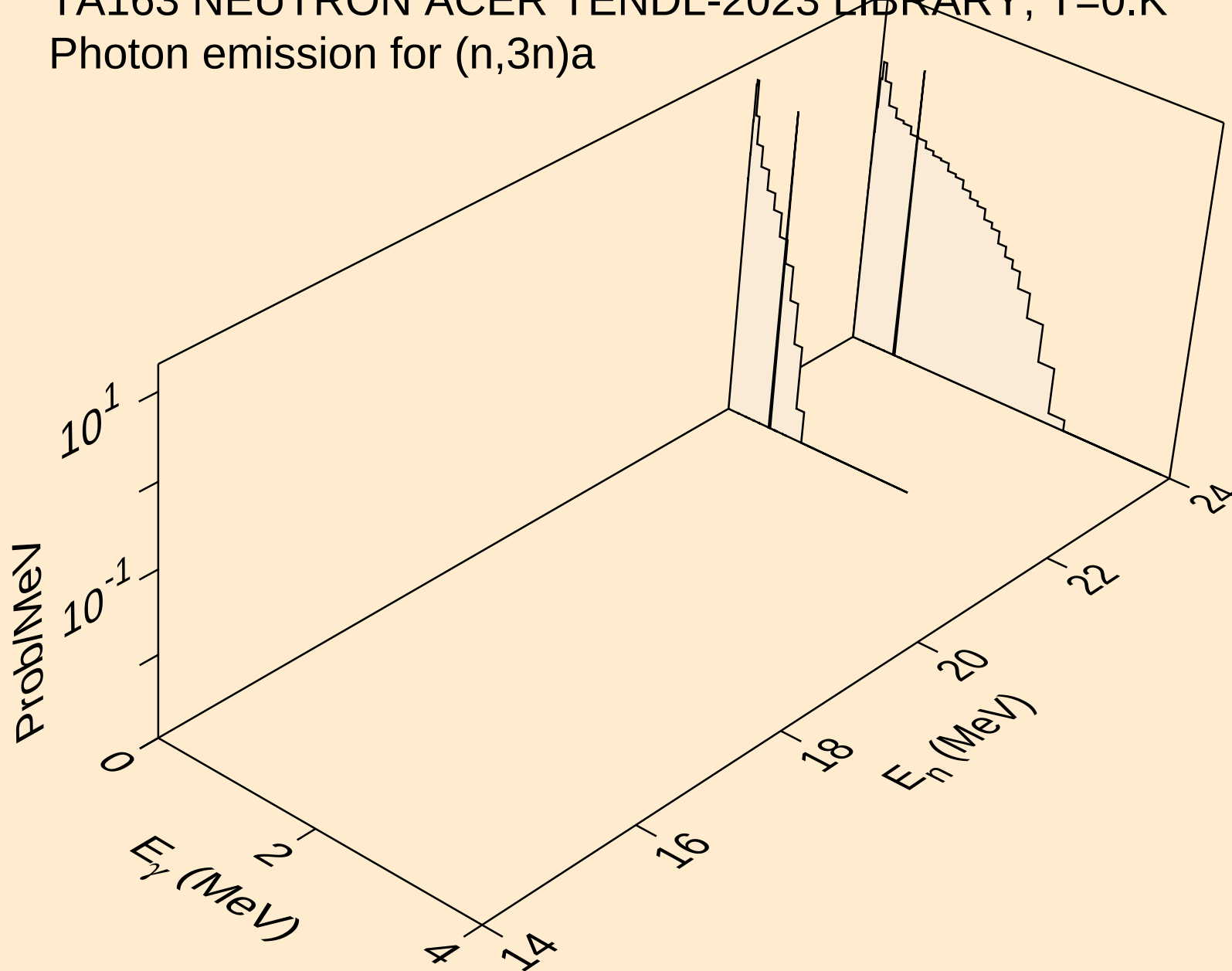
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α

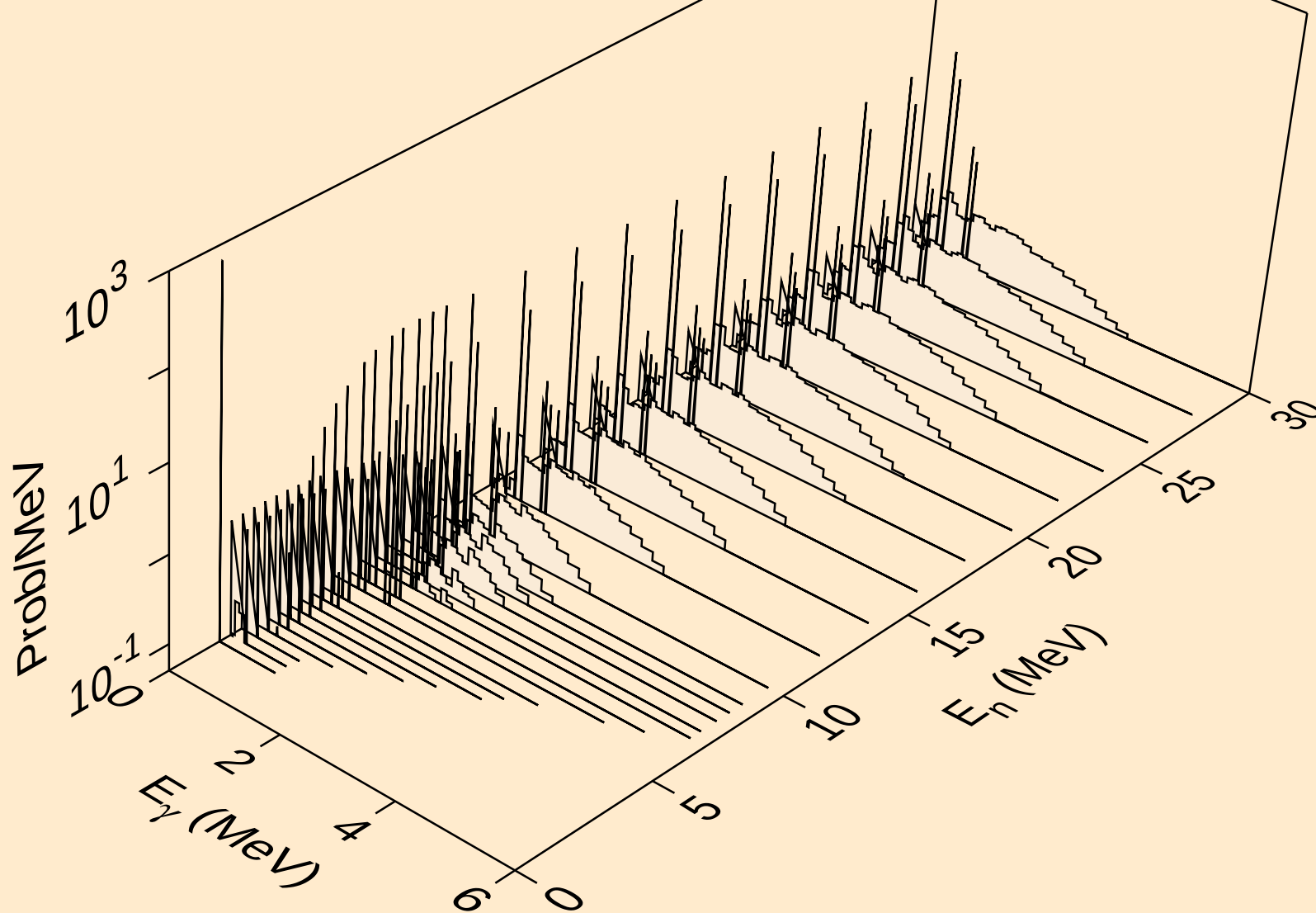


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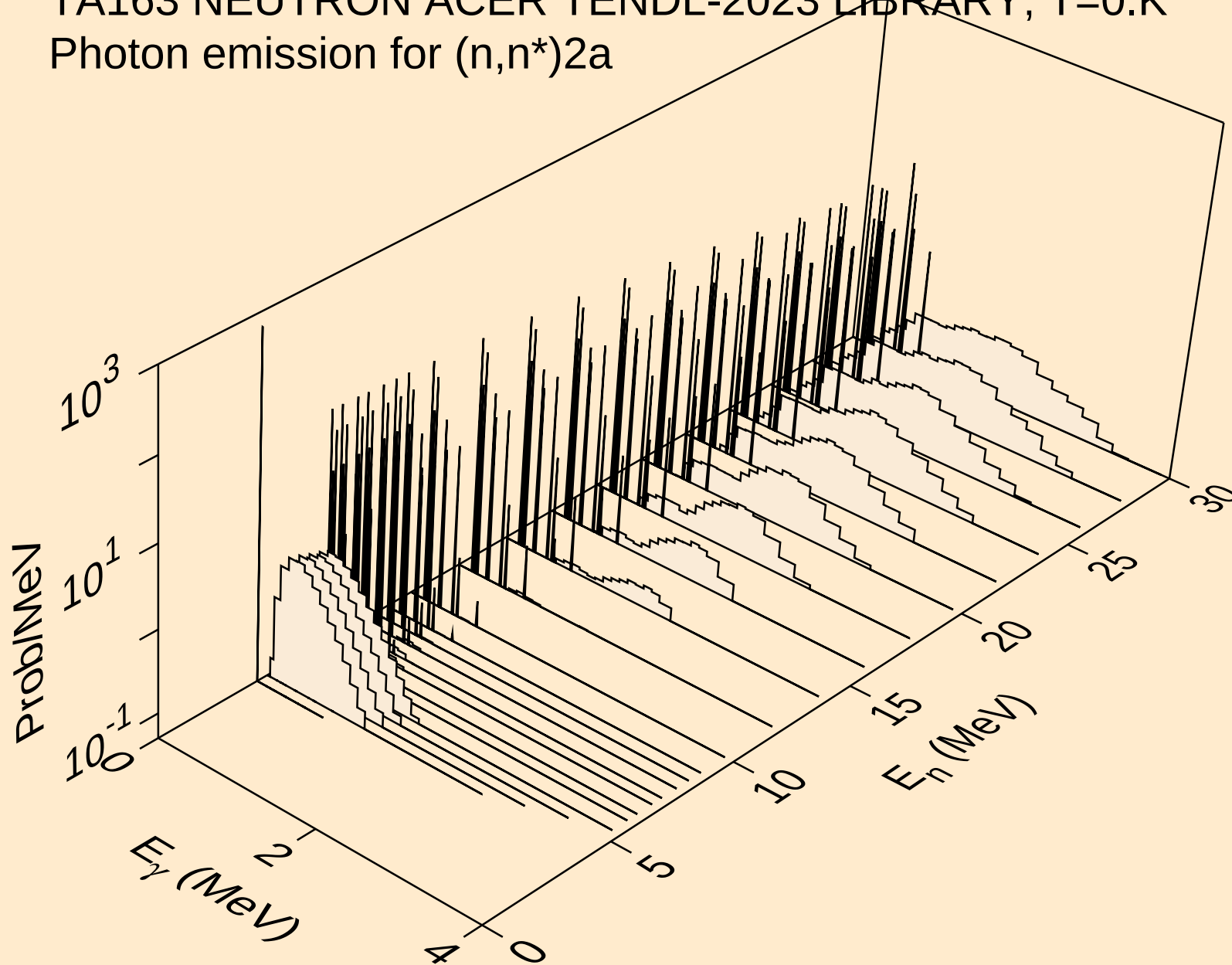
Photon emission for (n,3n)a



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p

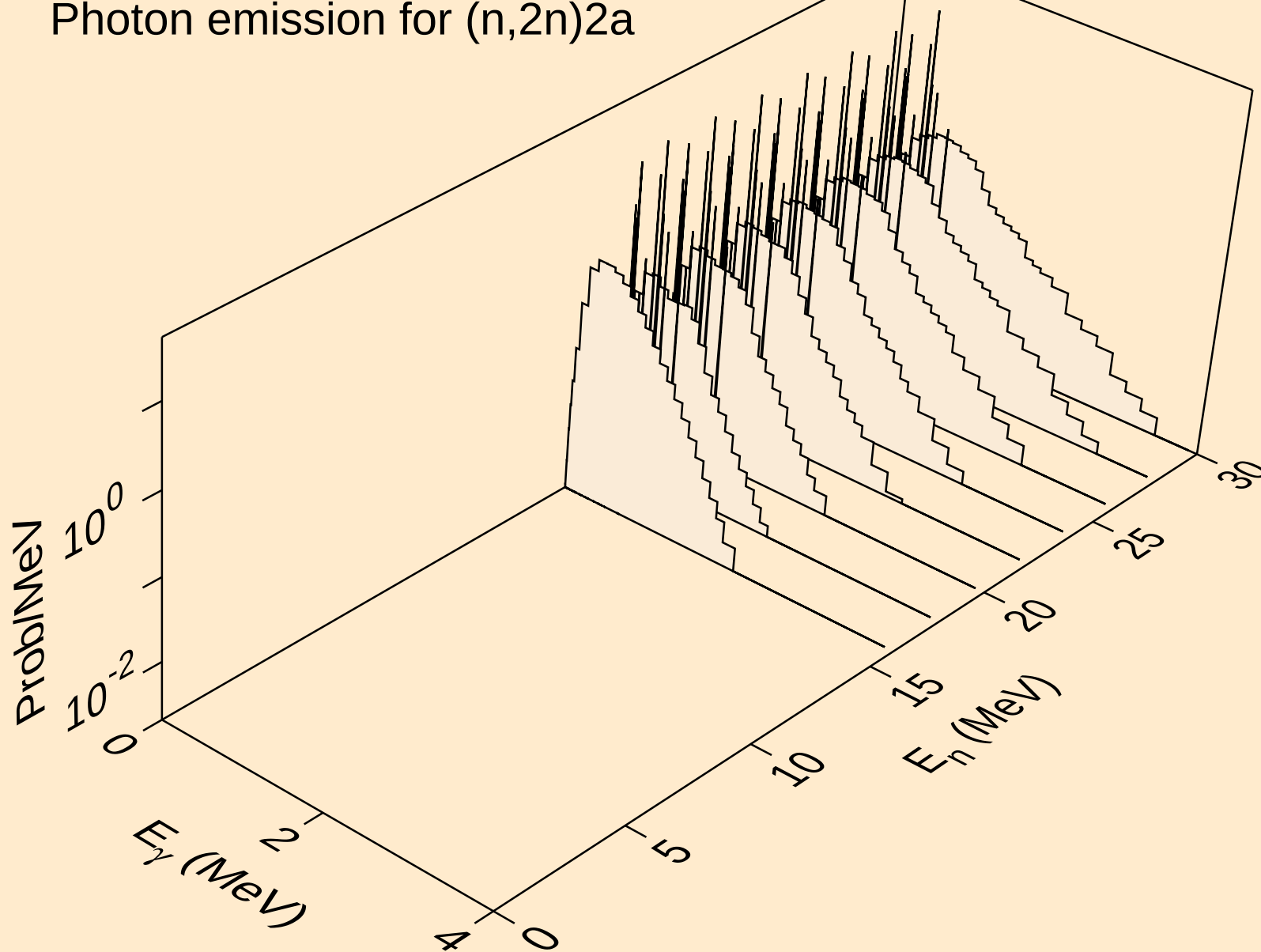


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



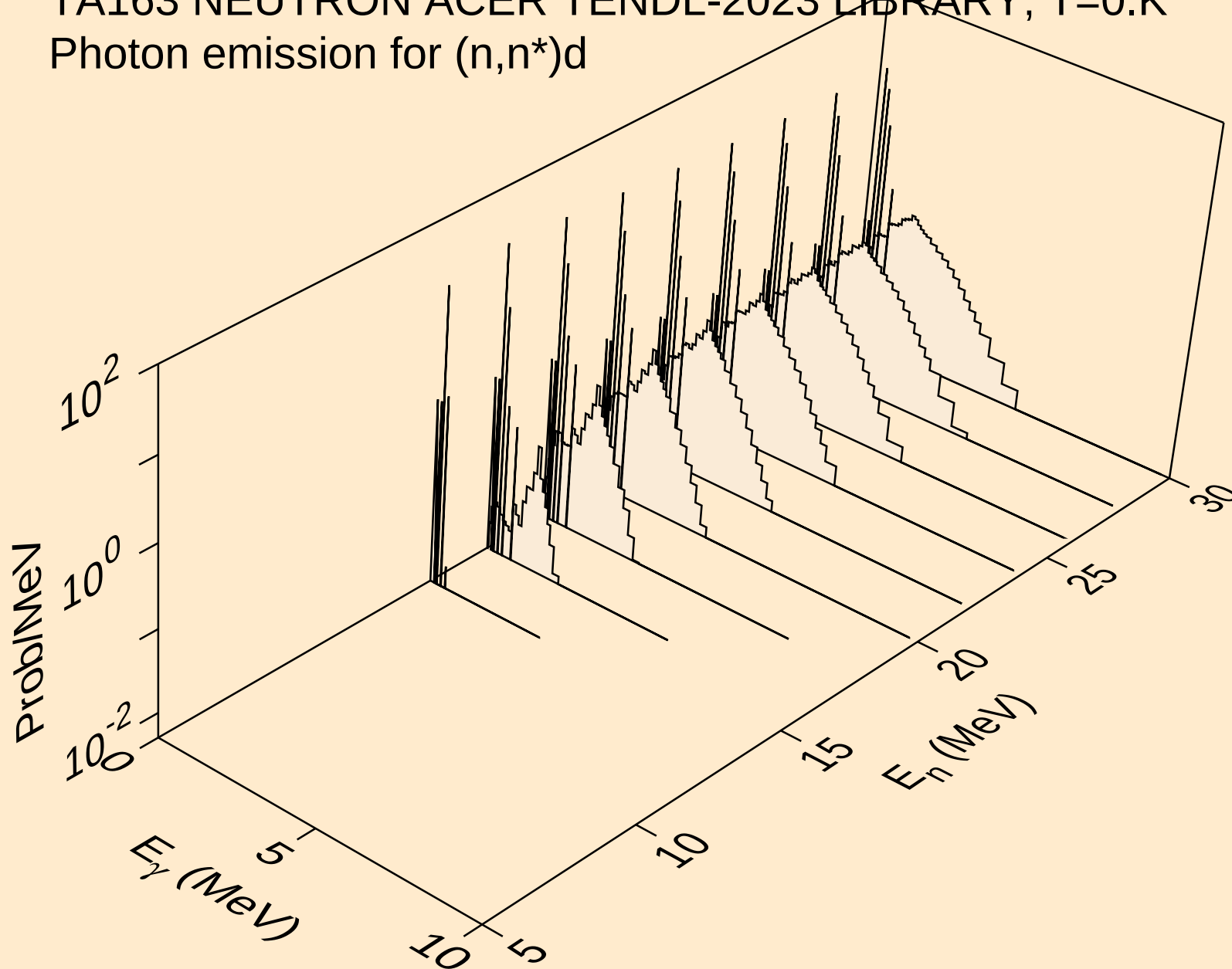
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Photon emission for (n,2n)2a



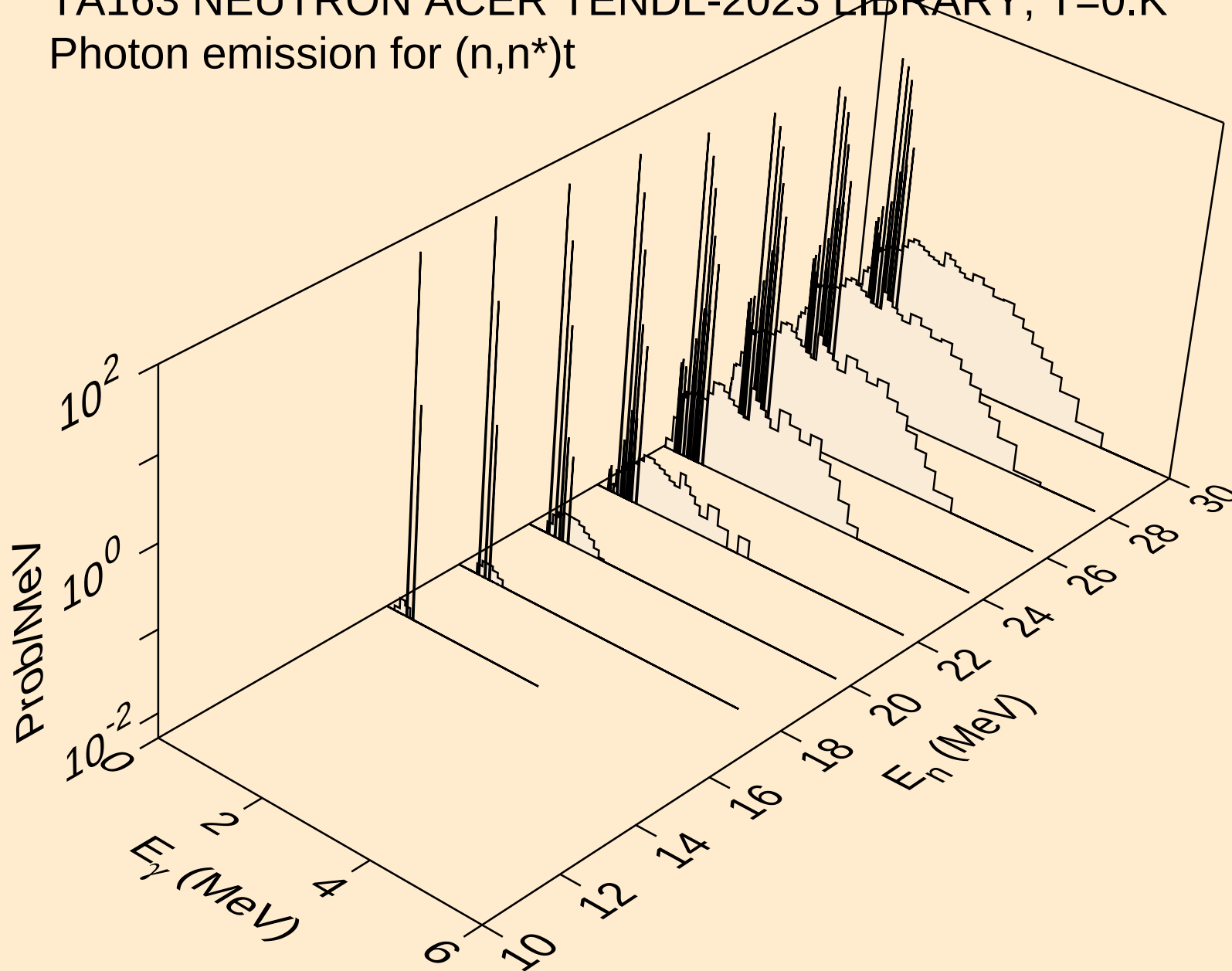
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Photon emission for (n,n*)d

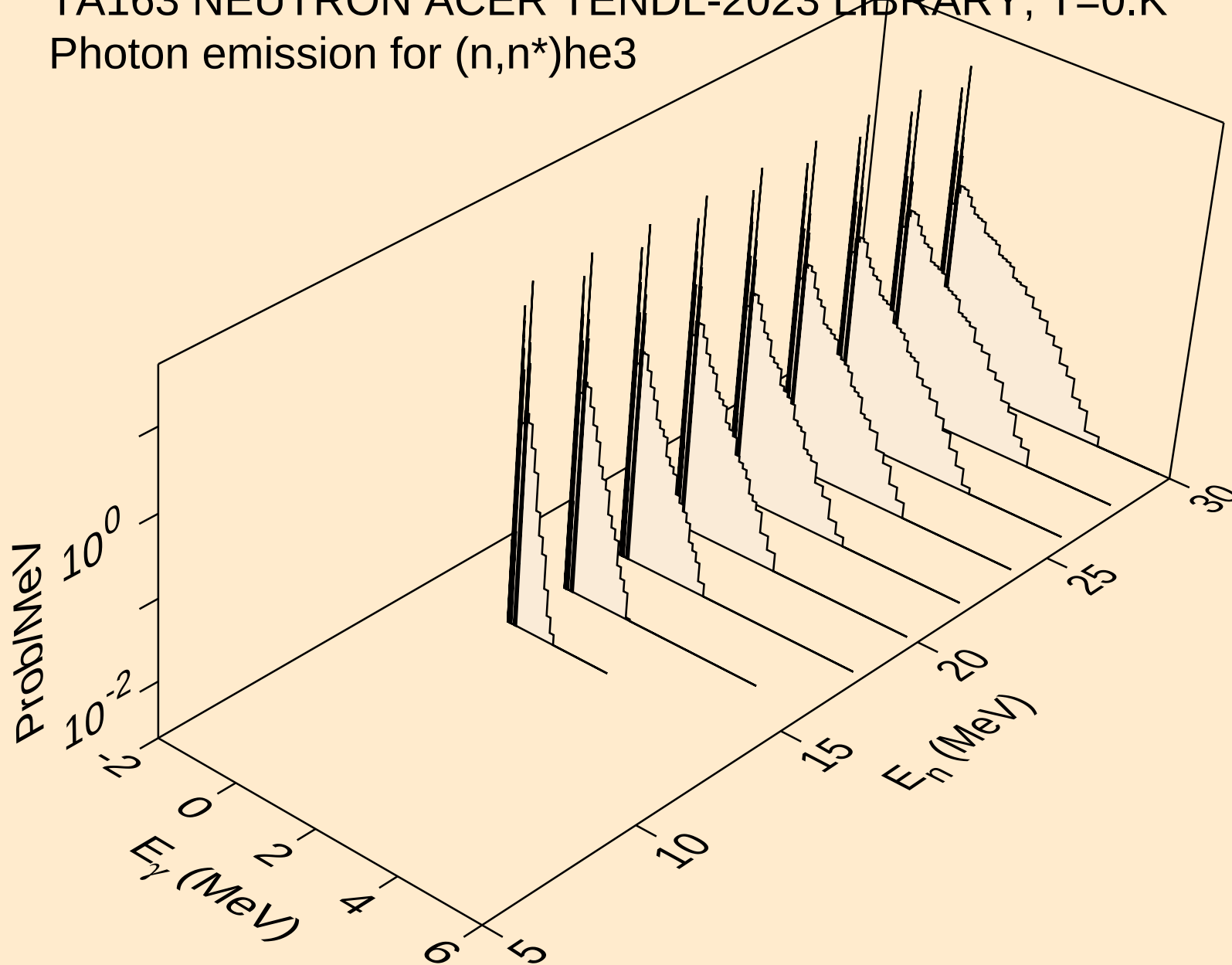


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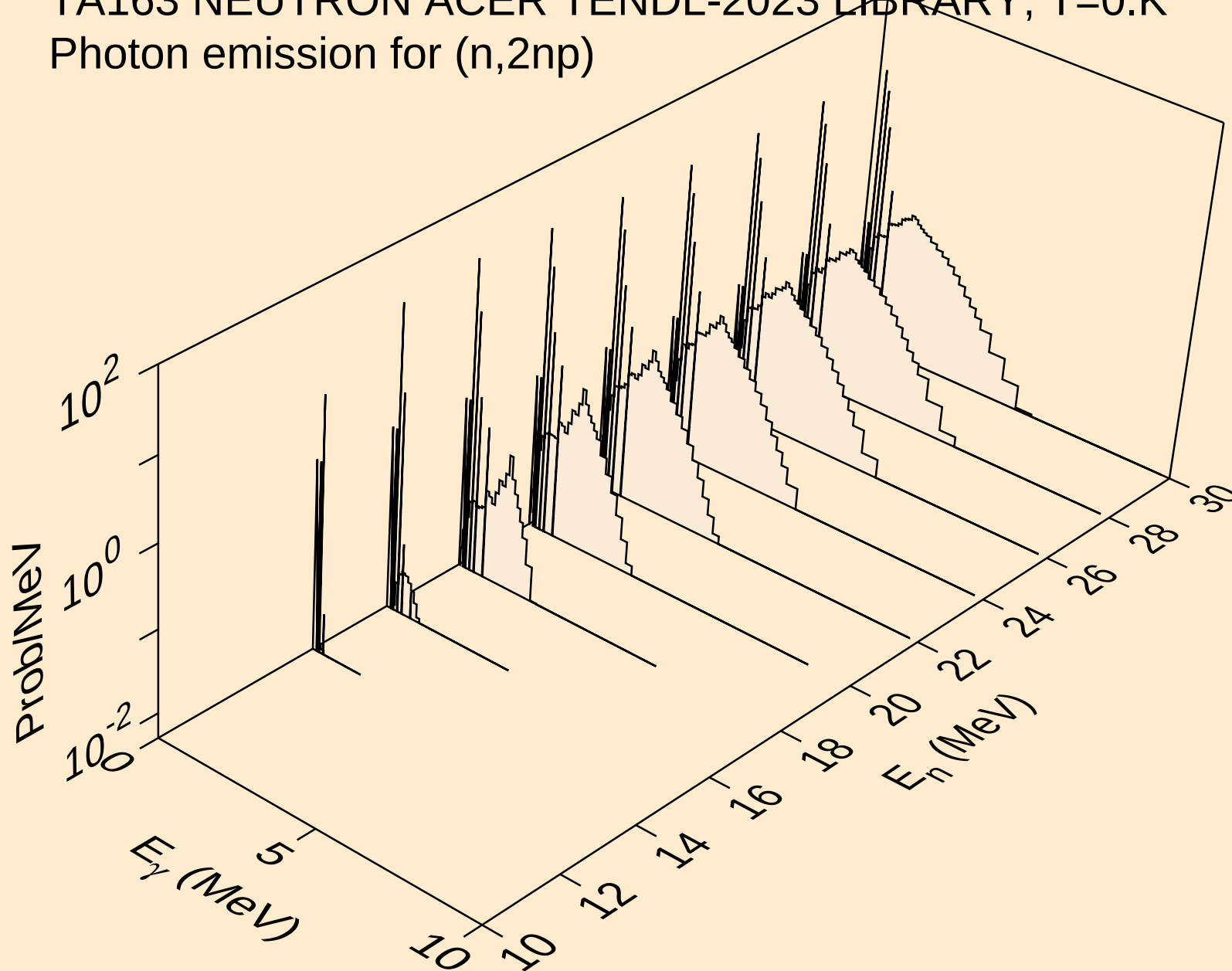
Photon emission for (n,n*)t



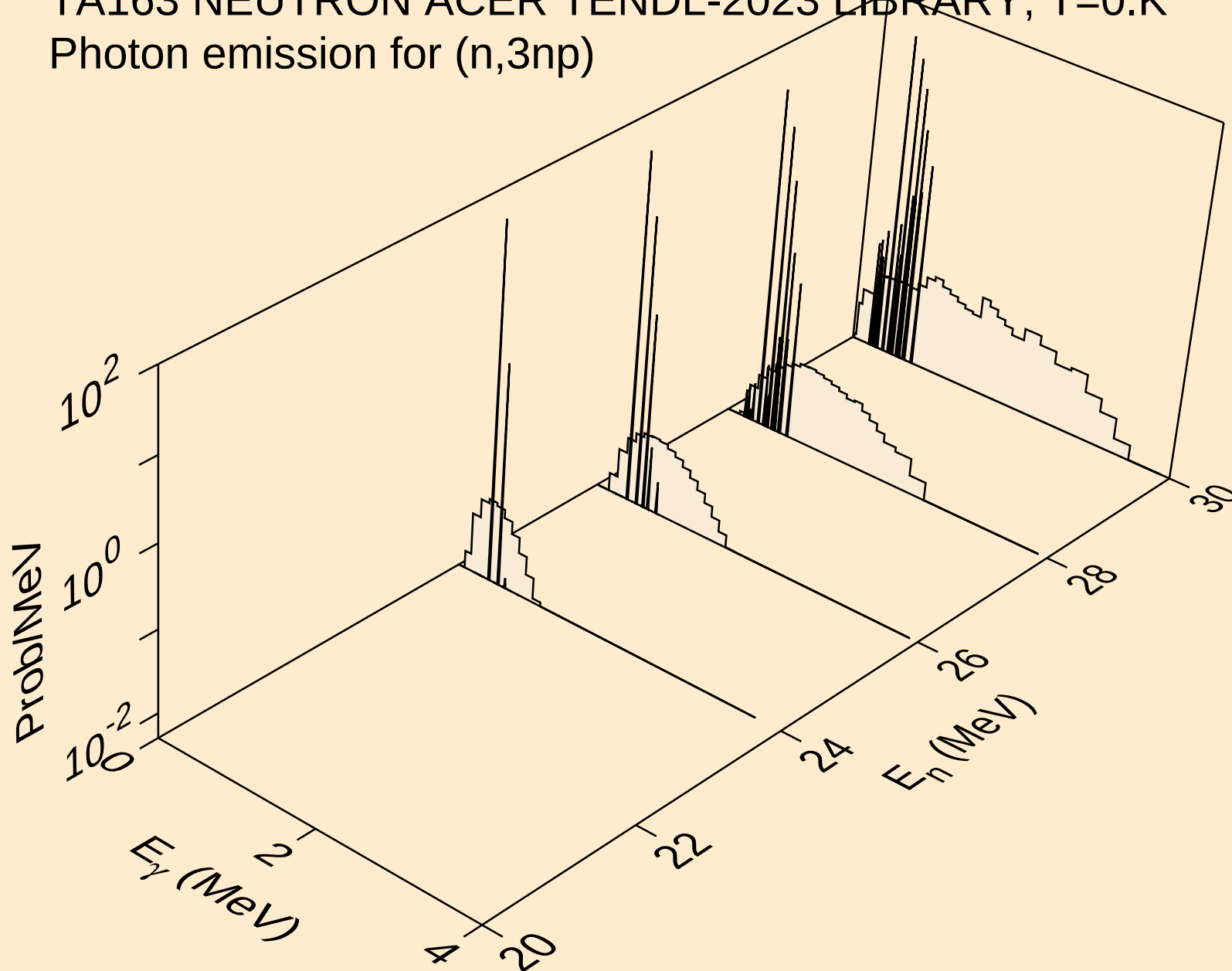
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



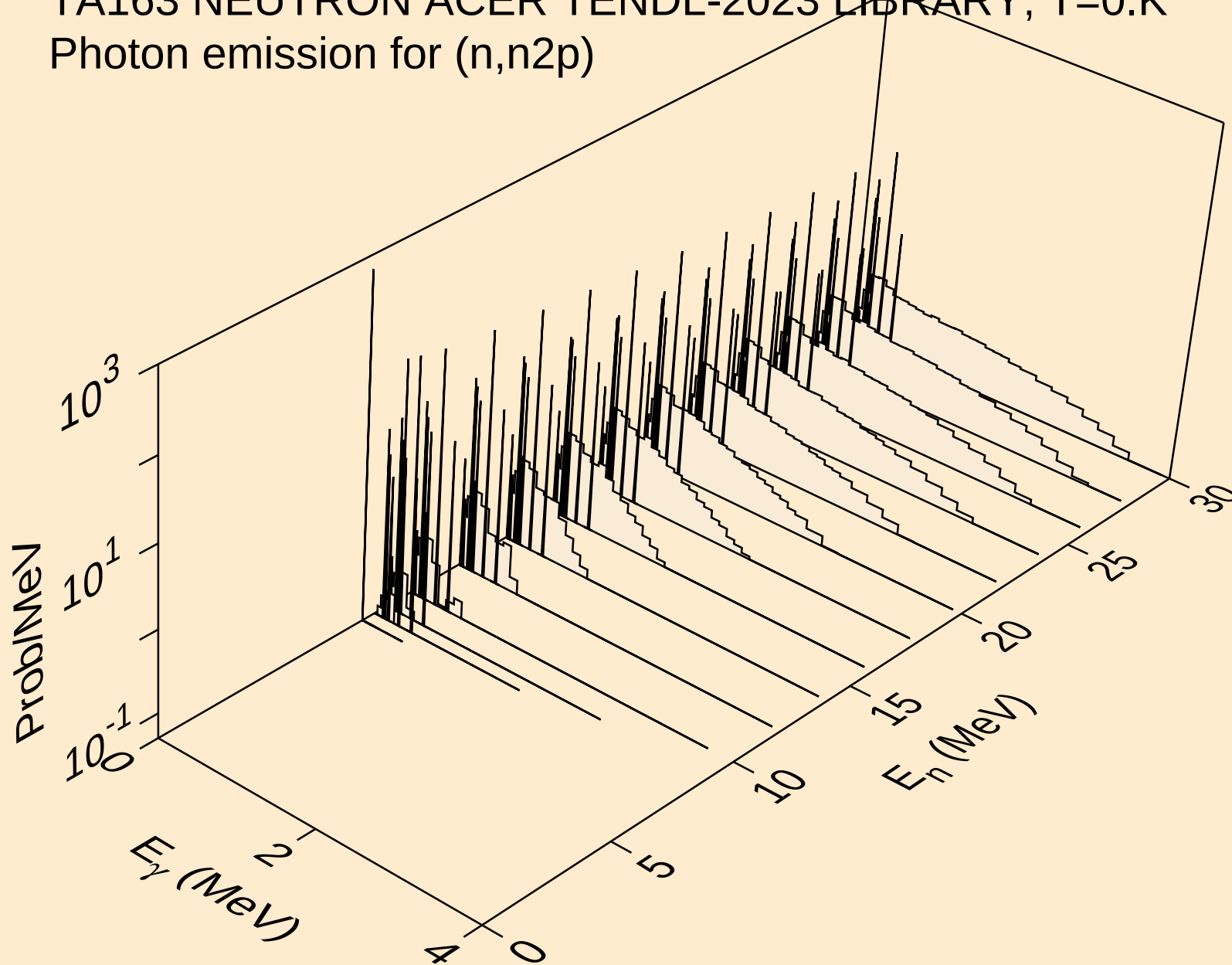
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Photon emission for (n,2np)



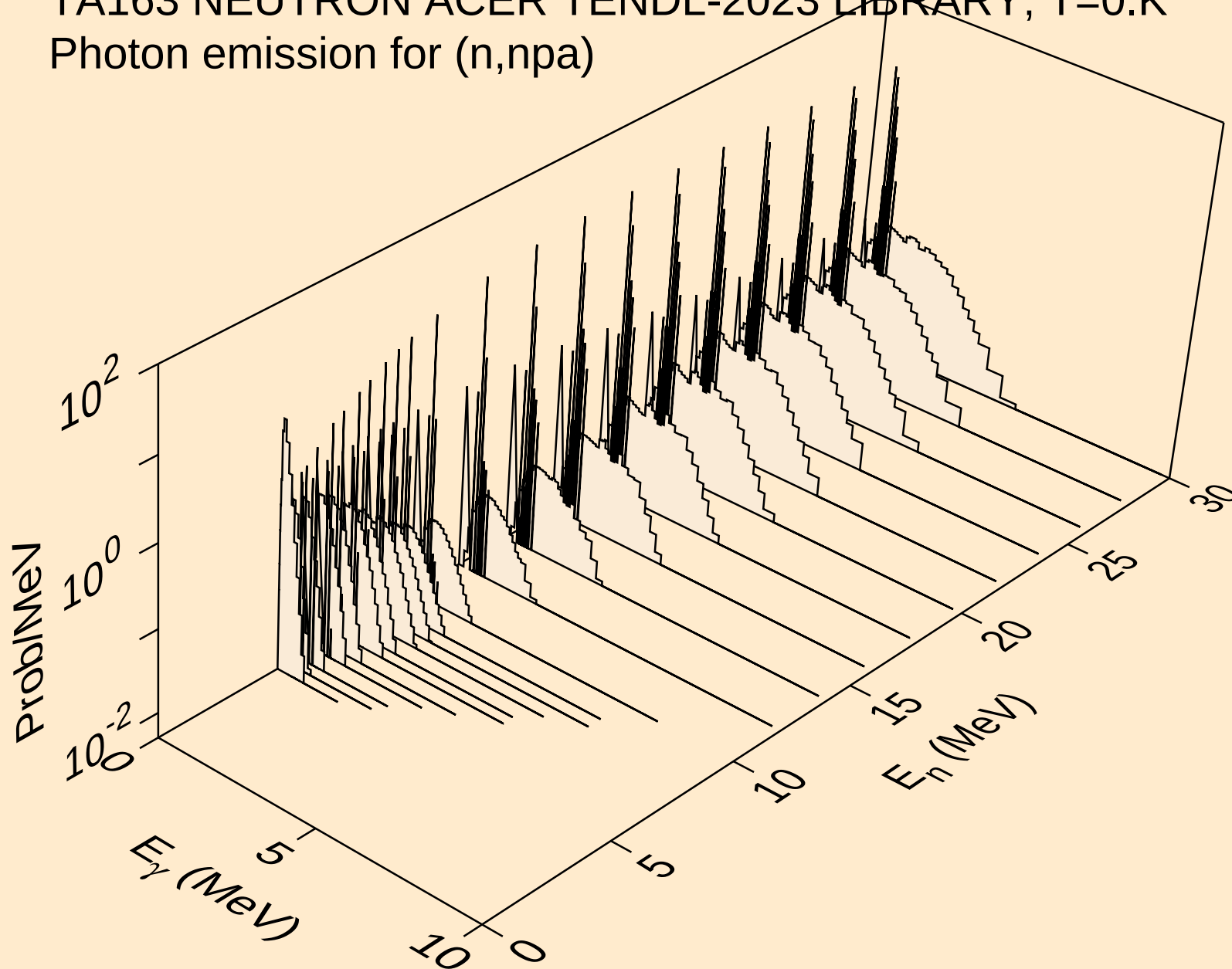
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Photon emission for (n,3np)



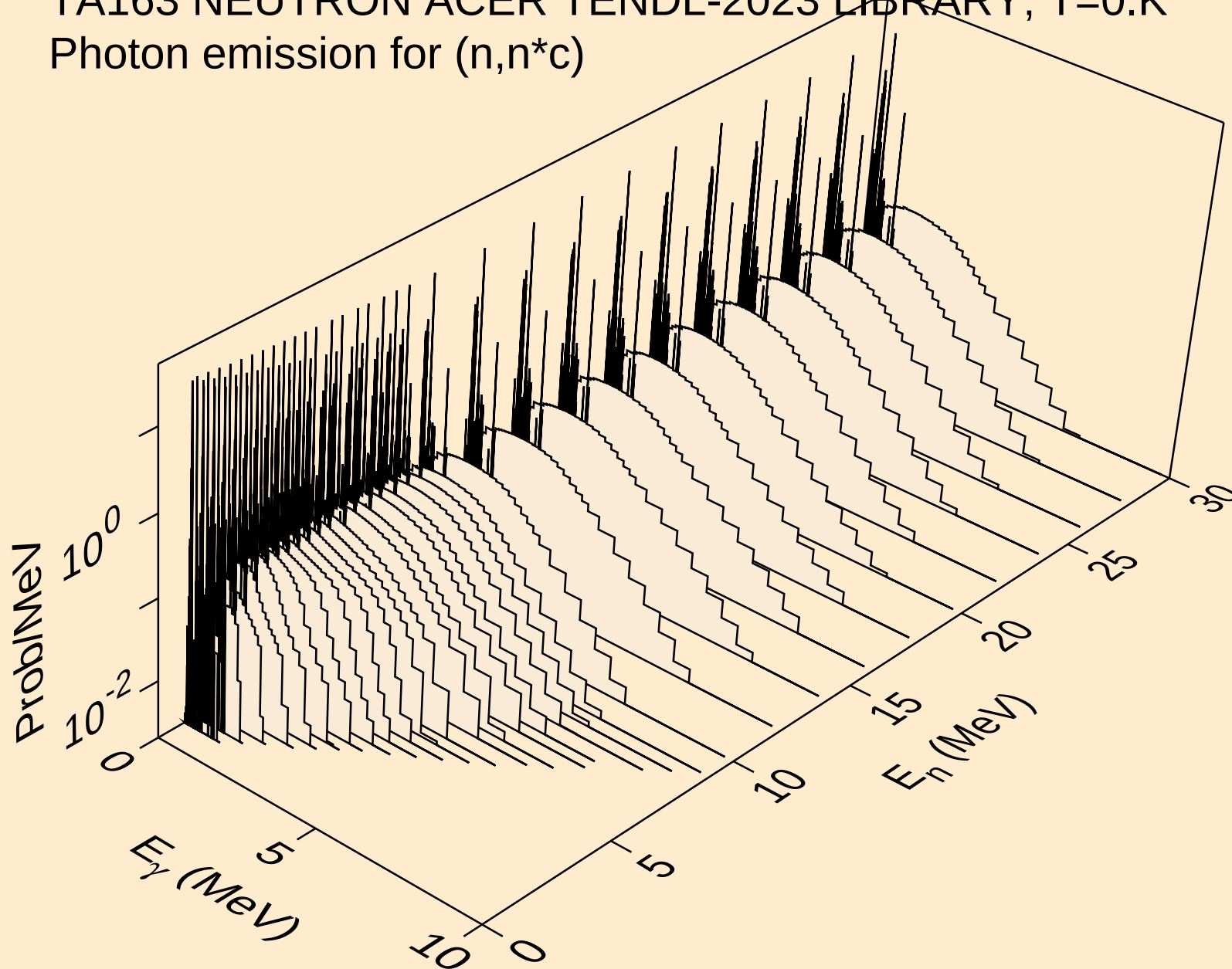
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Photon emission for (n,n2p)



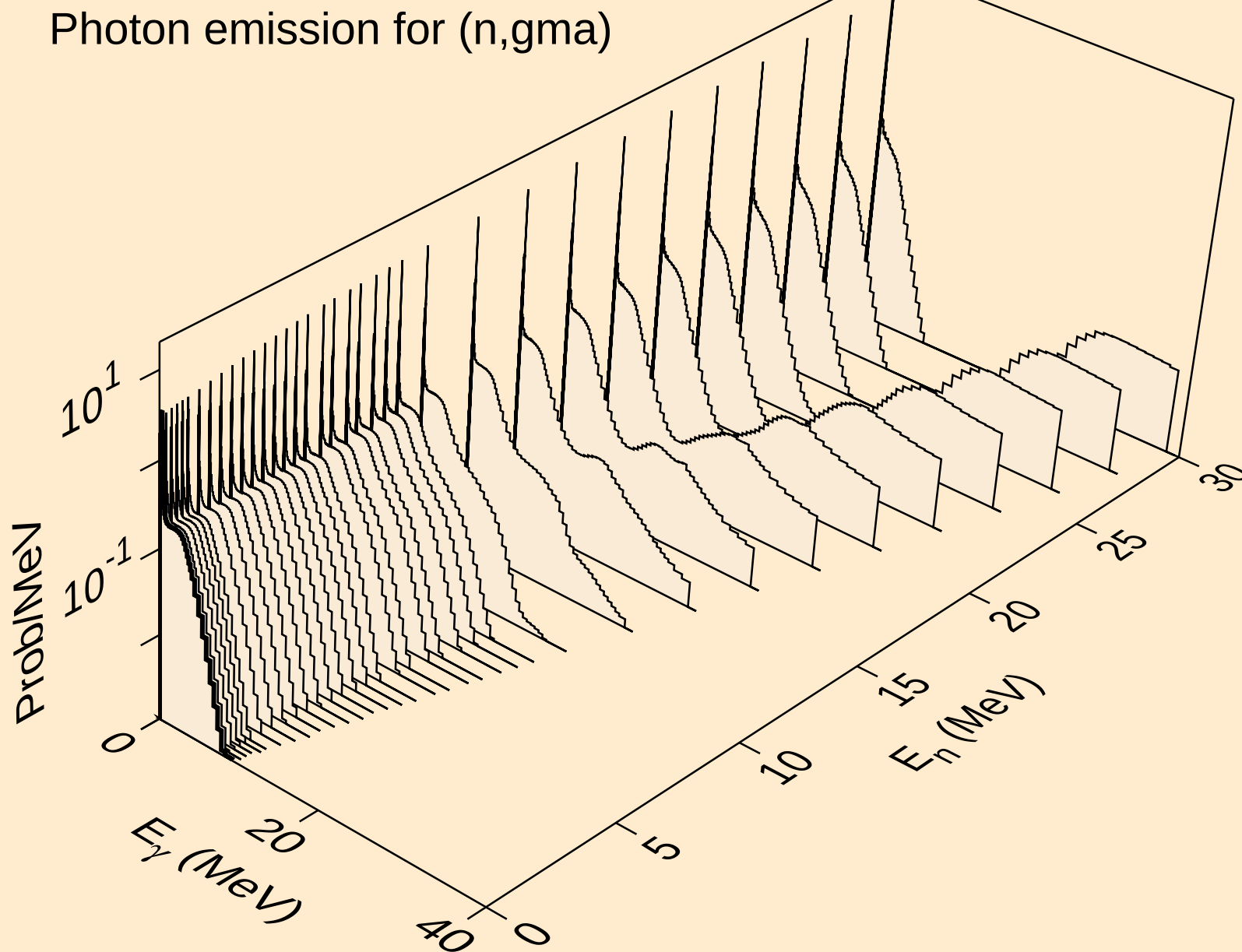
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Photon emission for (n,npa)



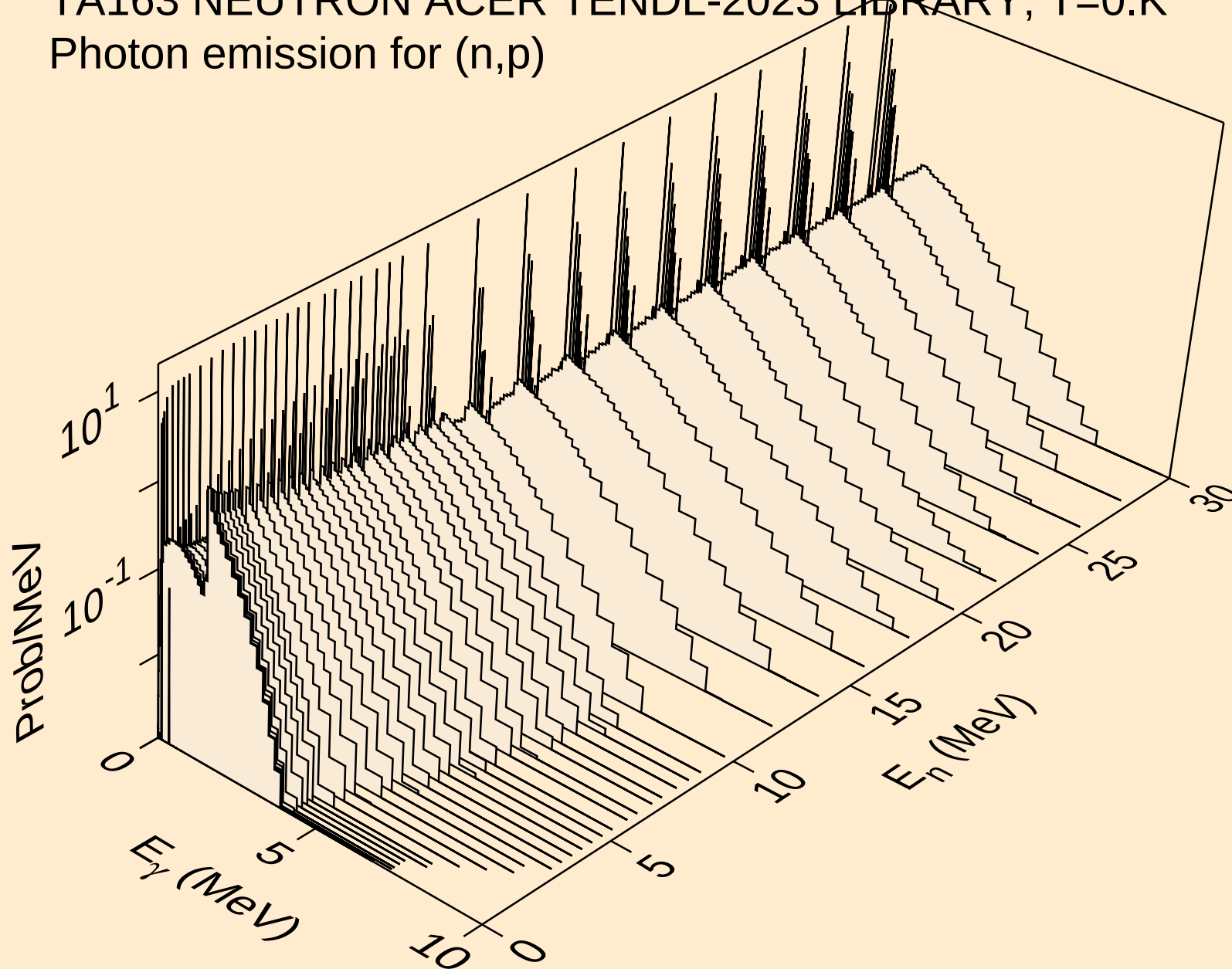
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Photon emission for (n,n*c)



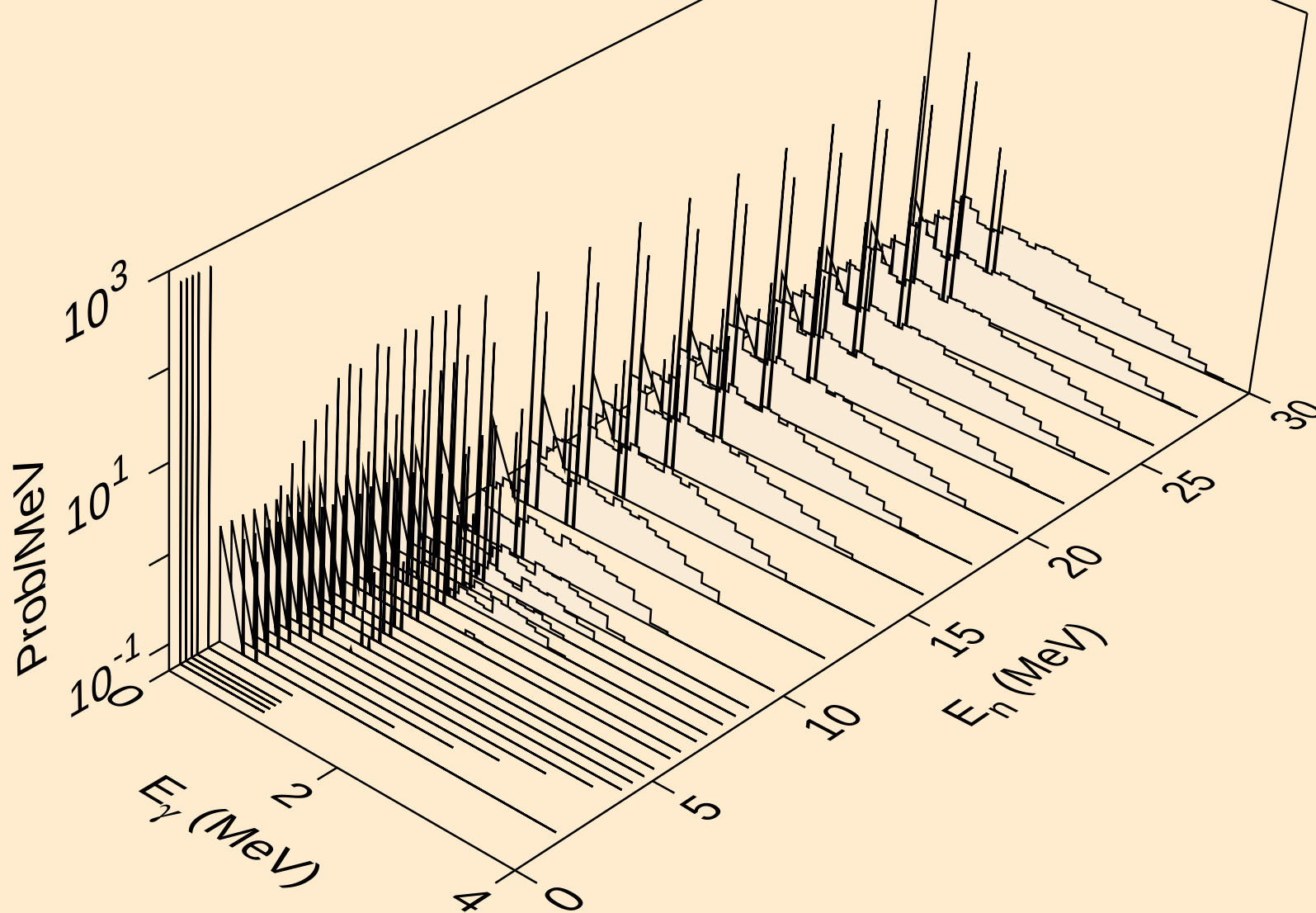
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Photon emission for (n,gma)



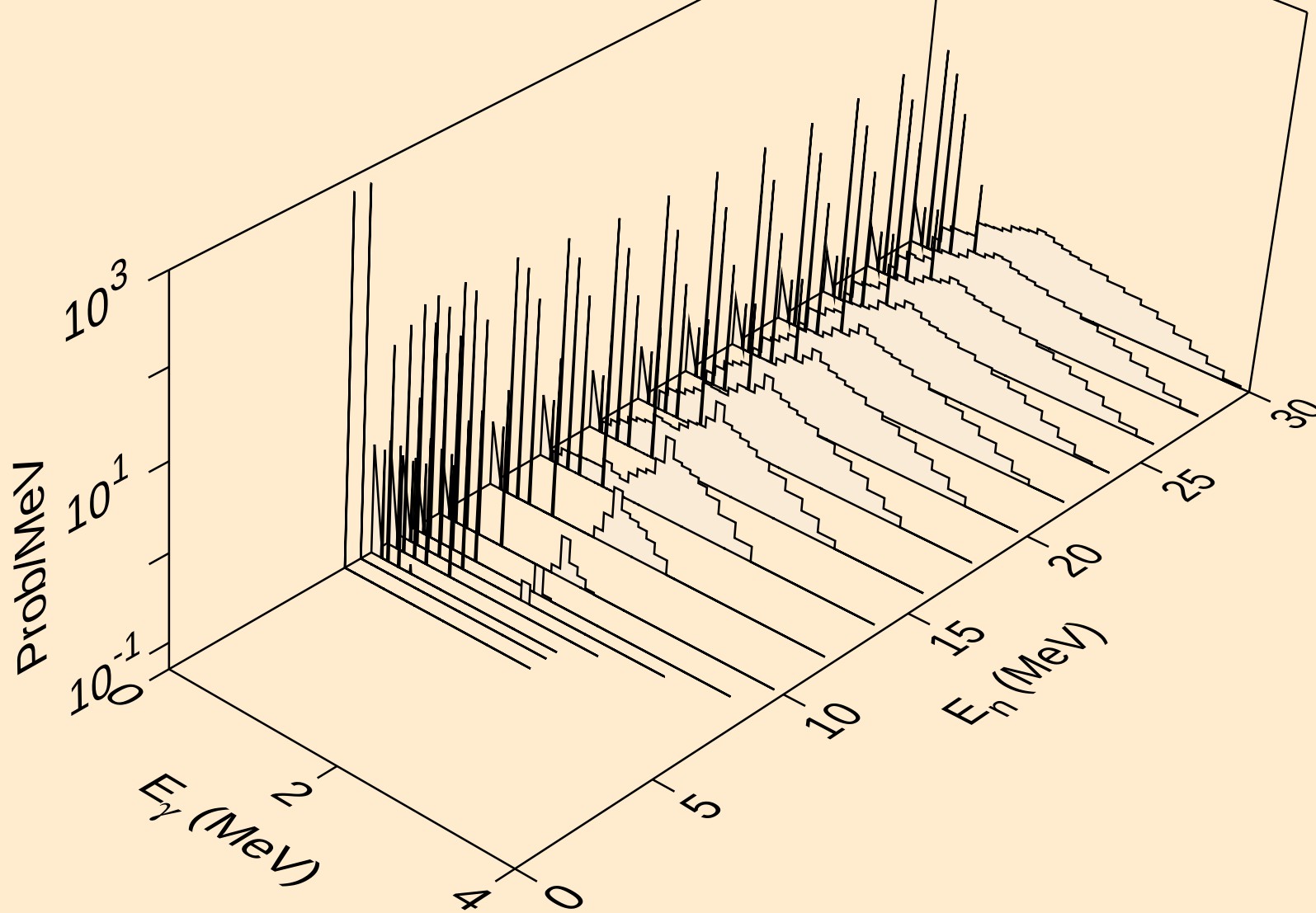
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Photon emission for (n,p)



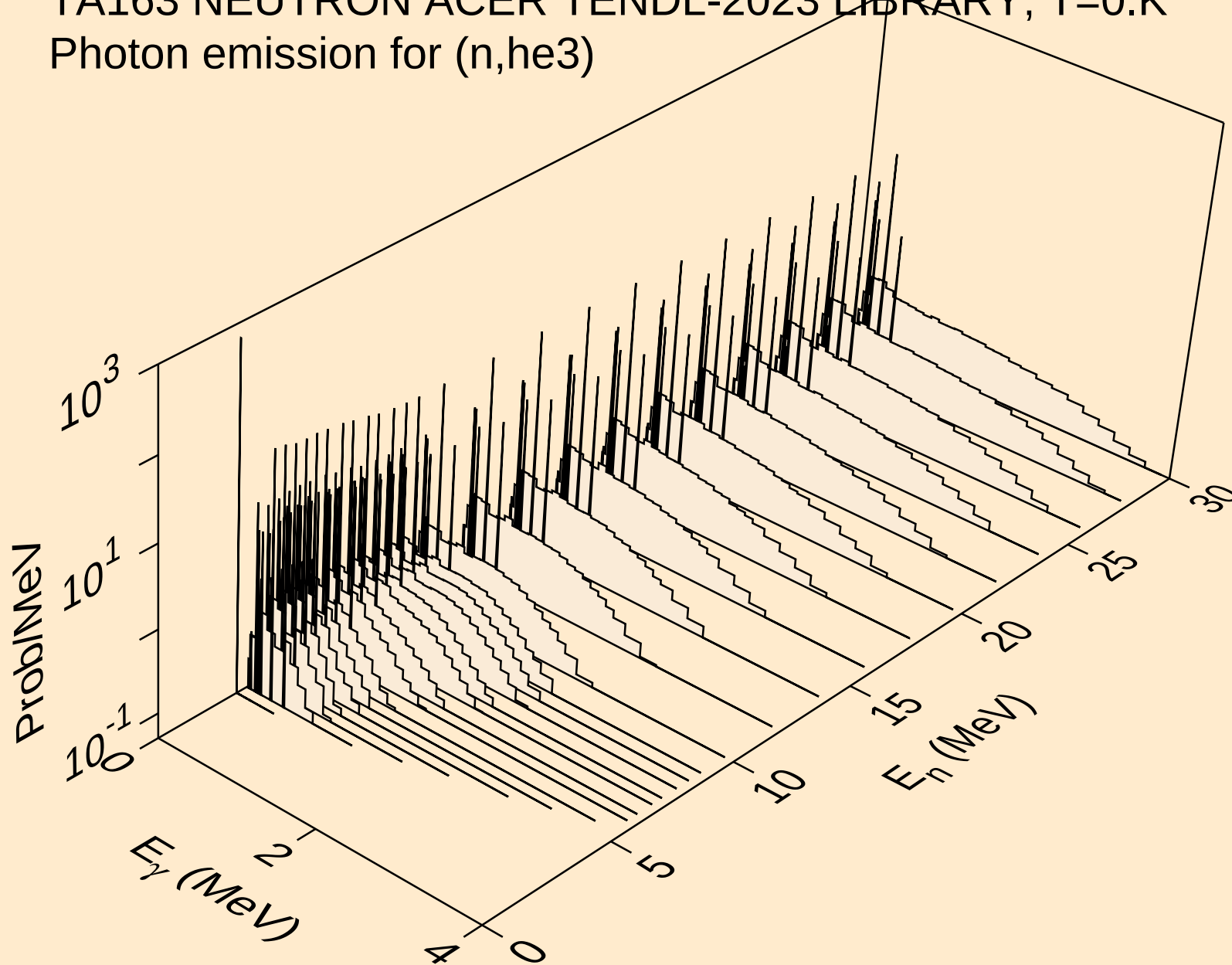
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Photon emission for (n,d)



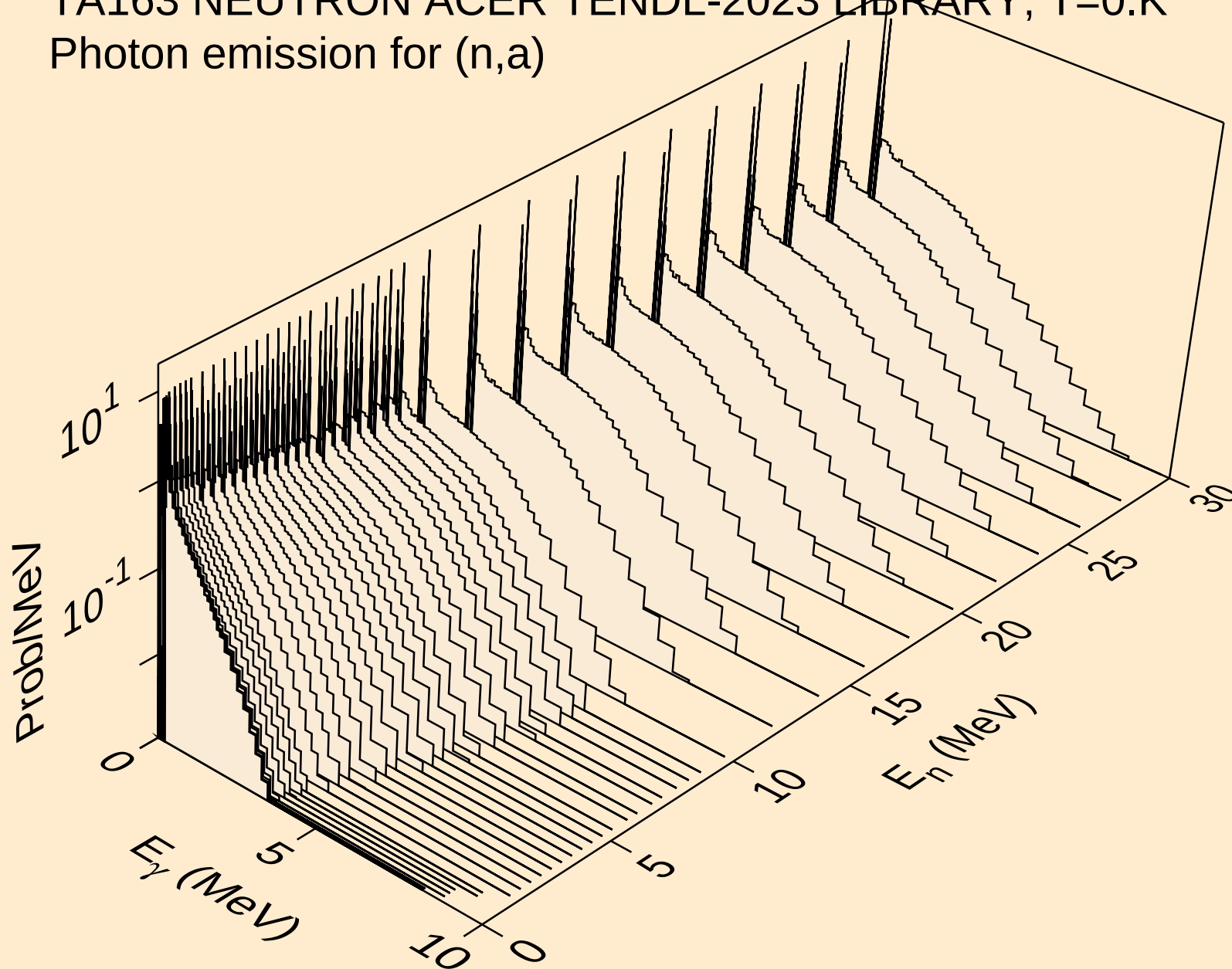
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Photon emission for (n,t)



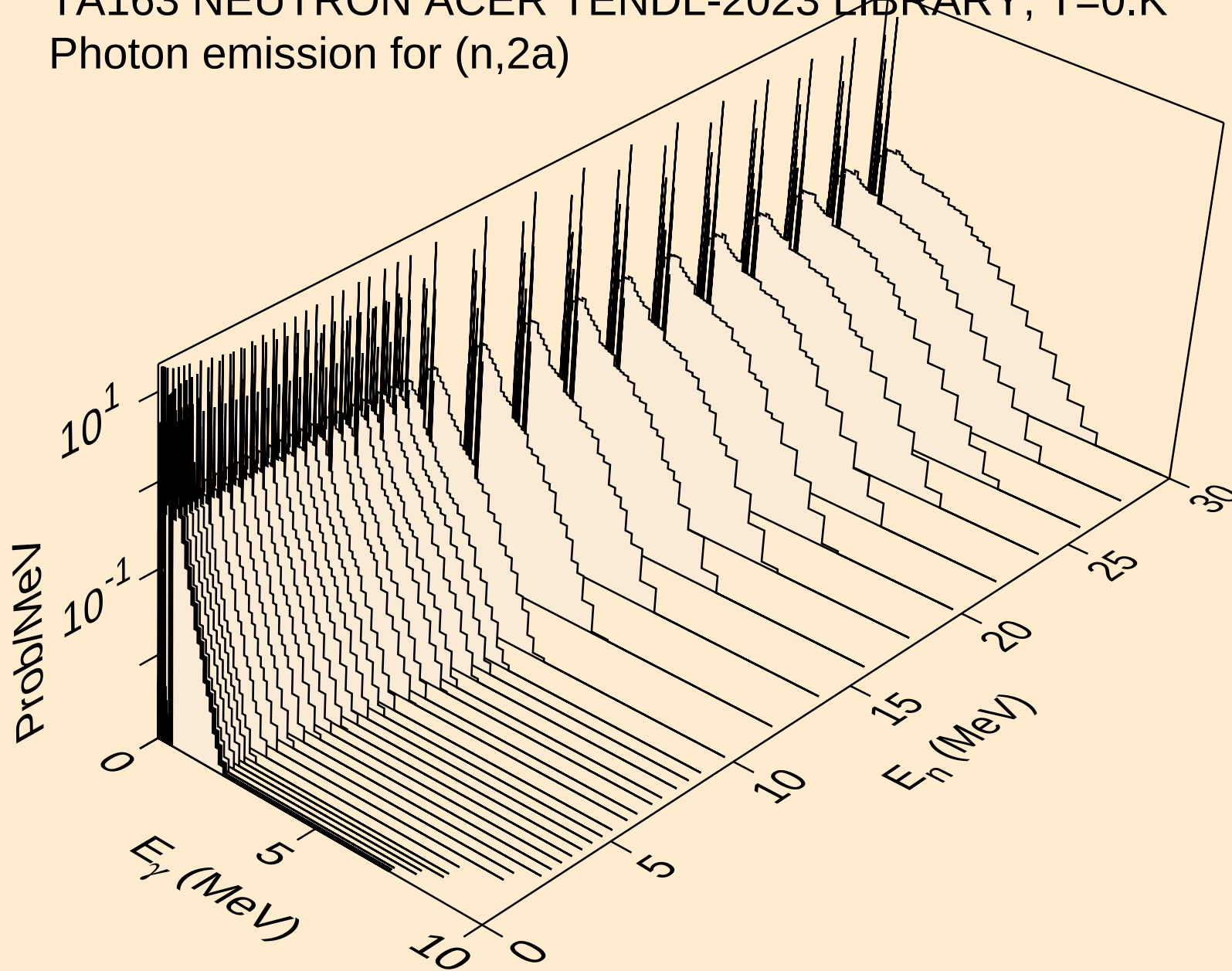
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Photon emission for (n,he3)



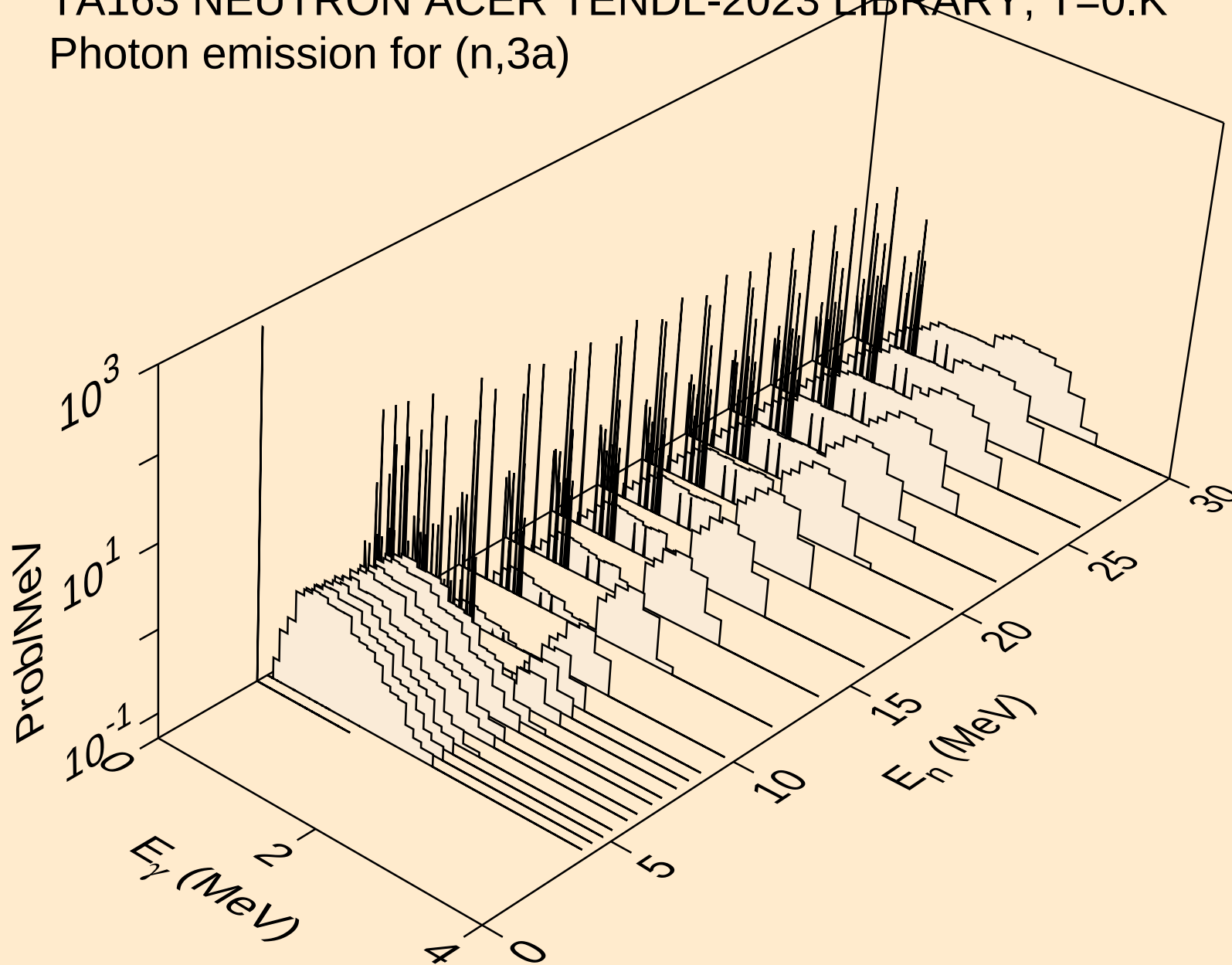
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Photon emission for (n,a)



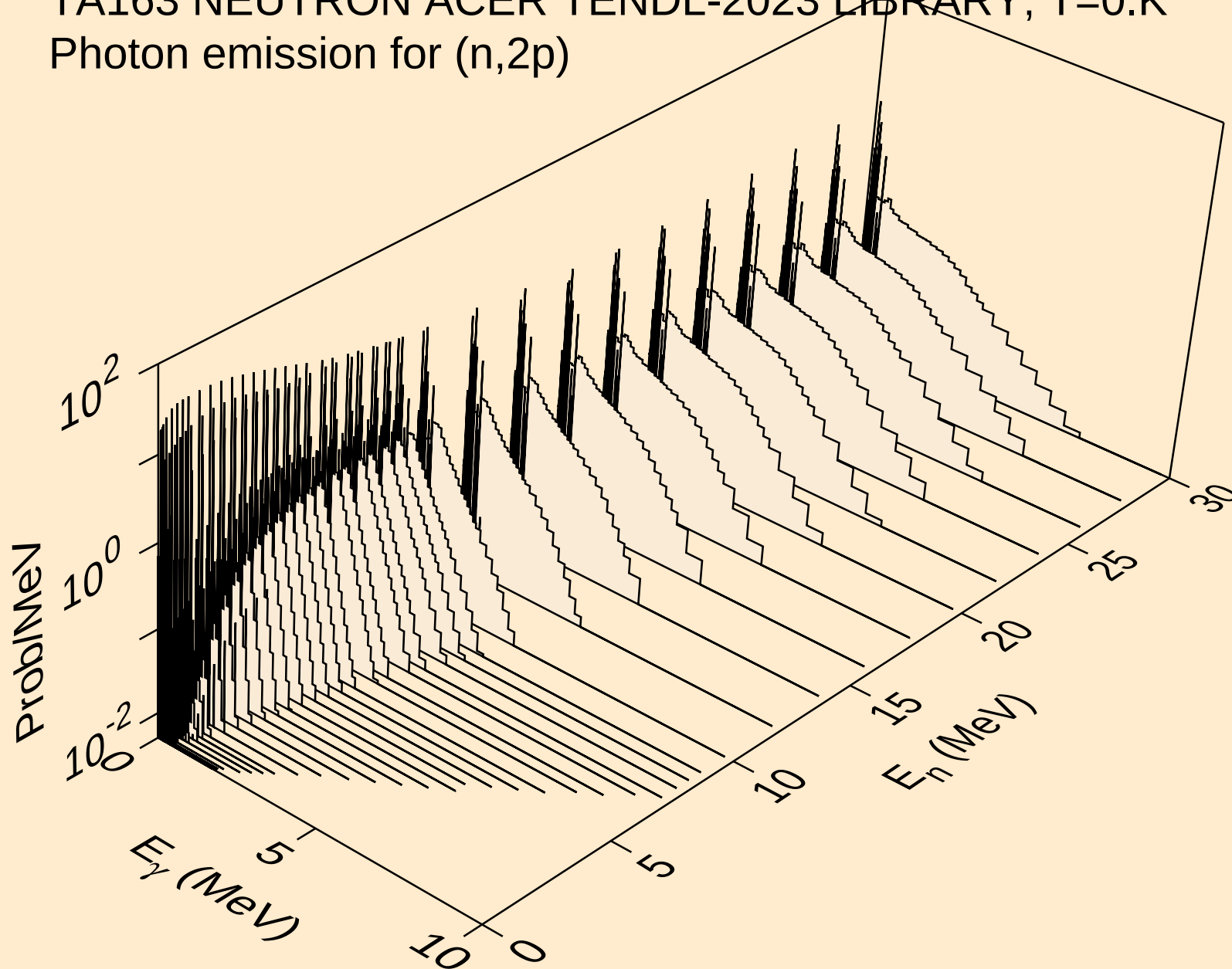
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Photon emission for (n,2a)



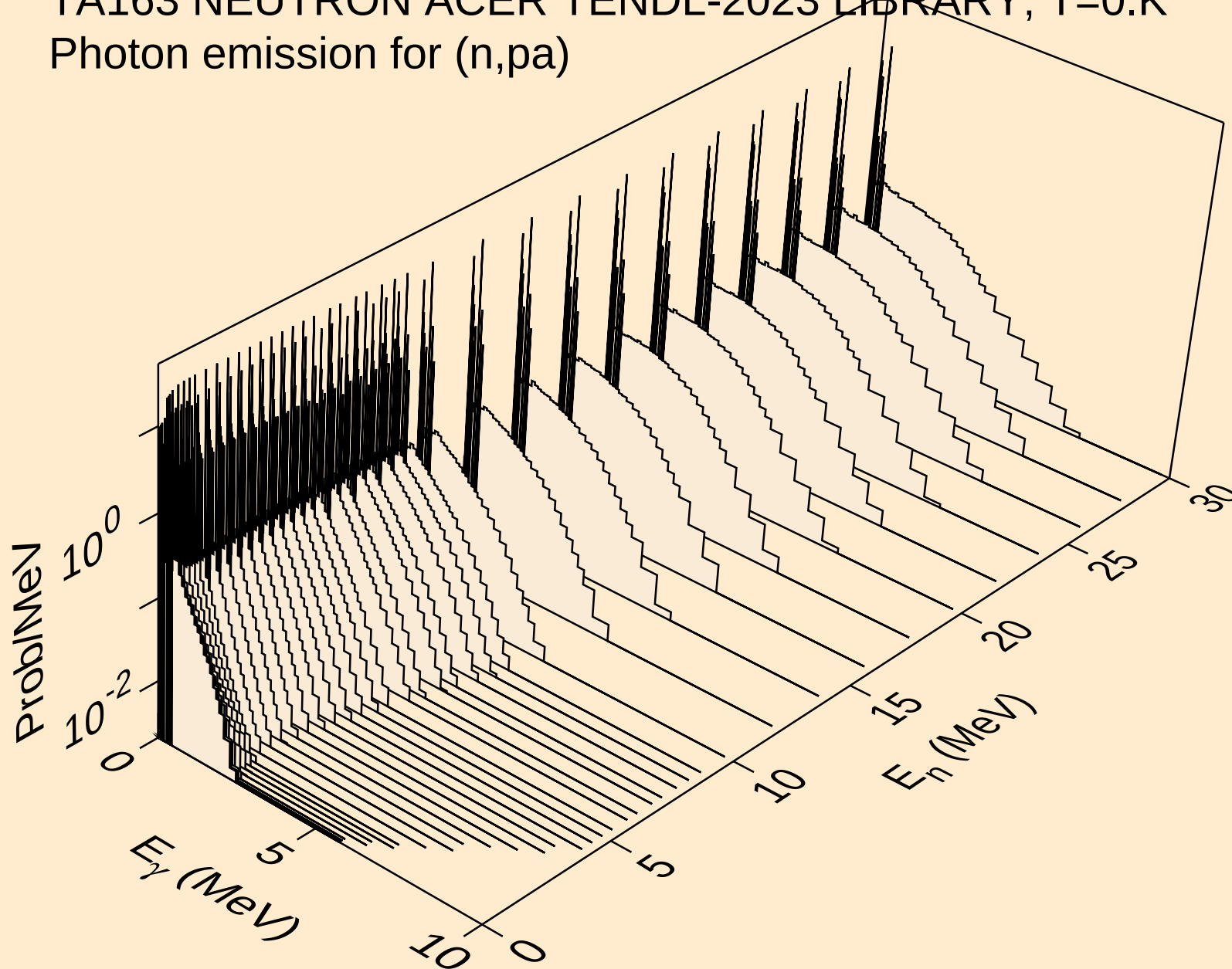
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



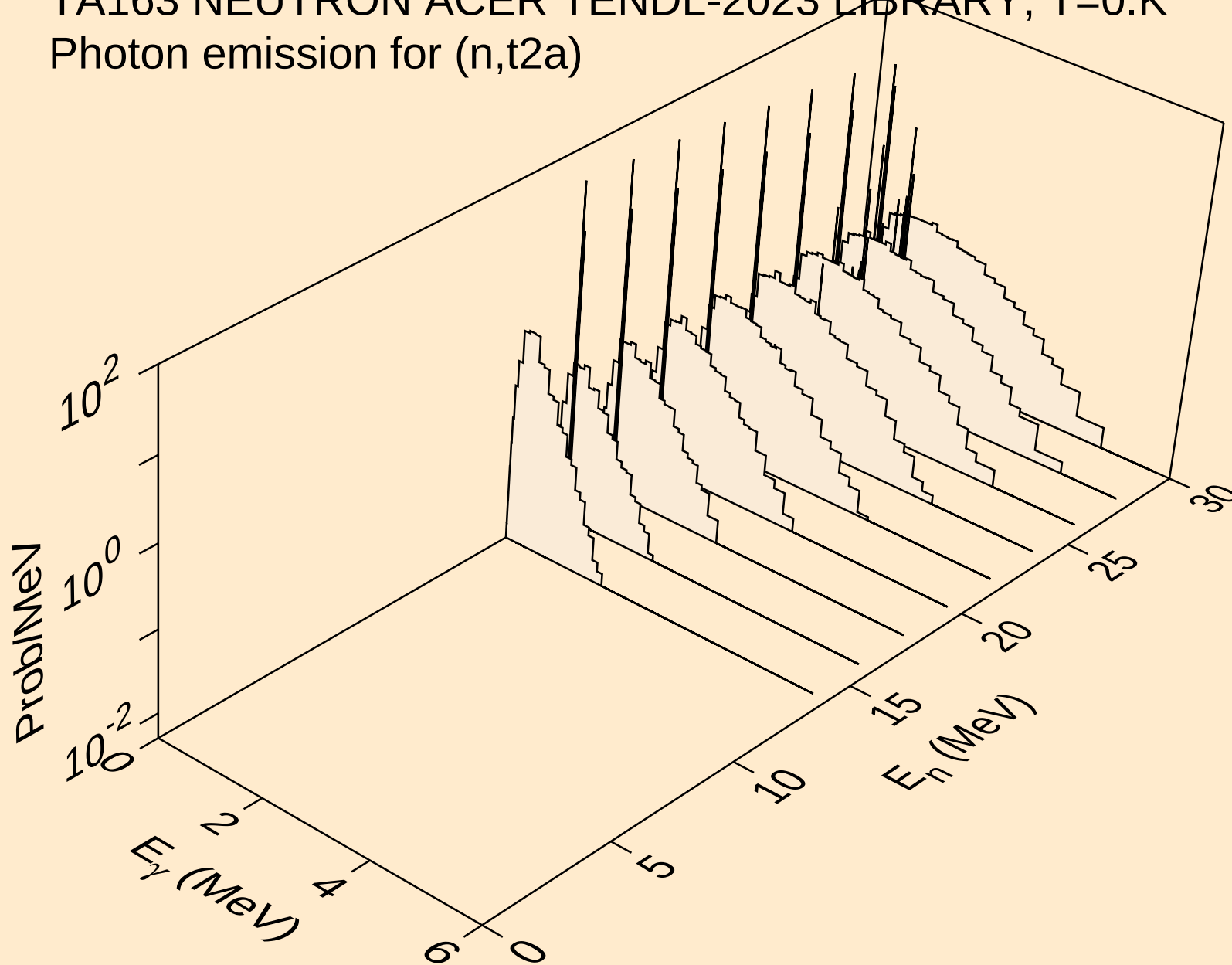
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Photon emission for (n,2p)



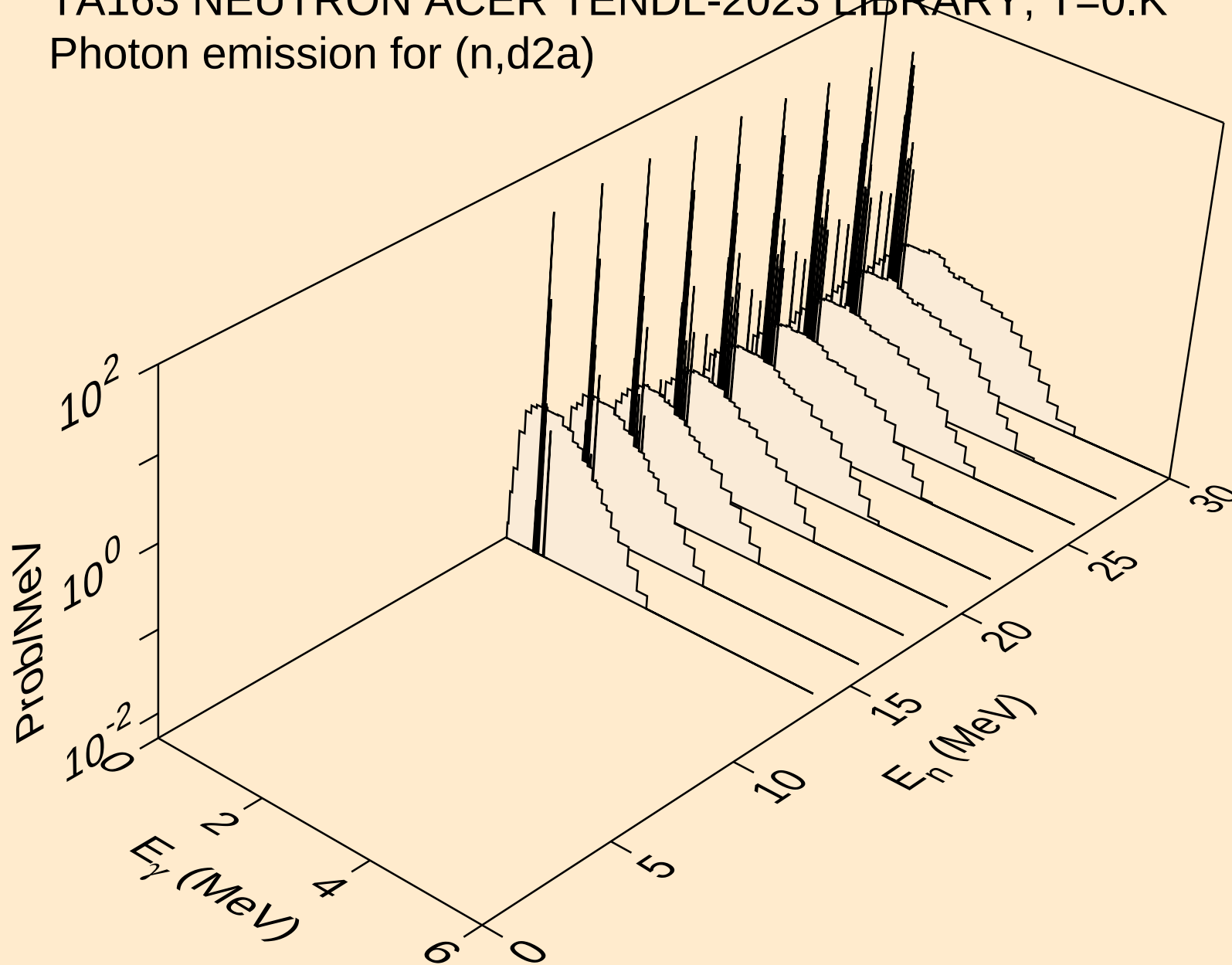
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Photon emission for (n,p α)



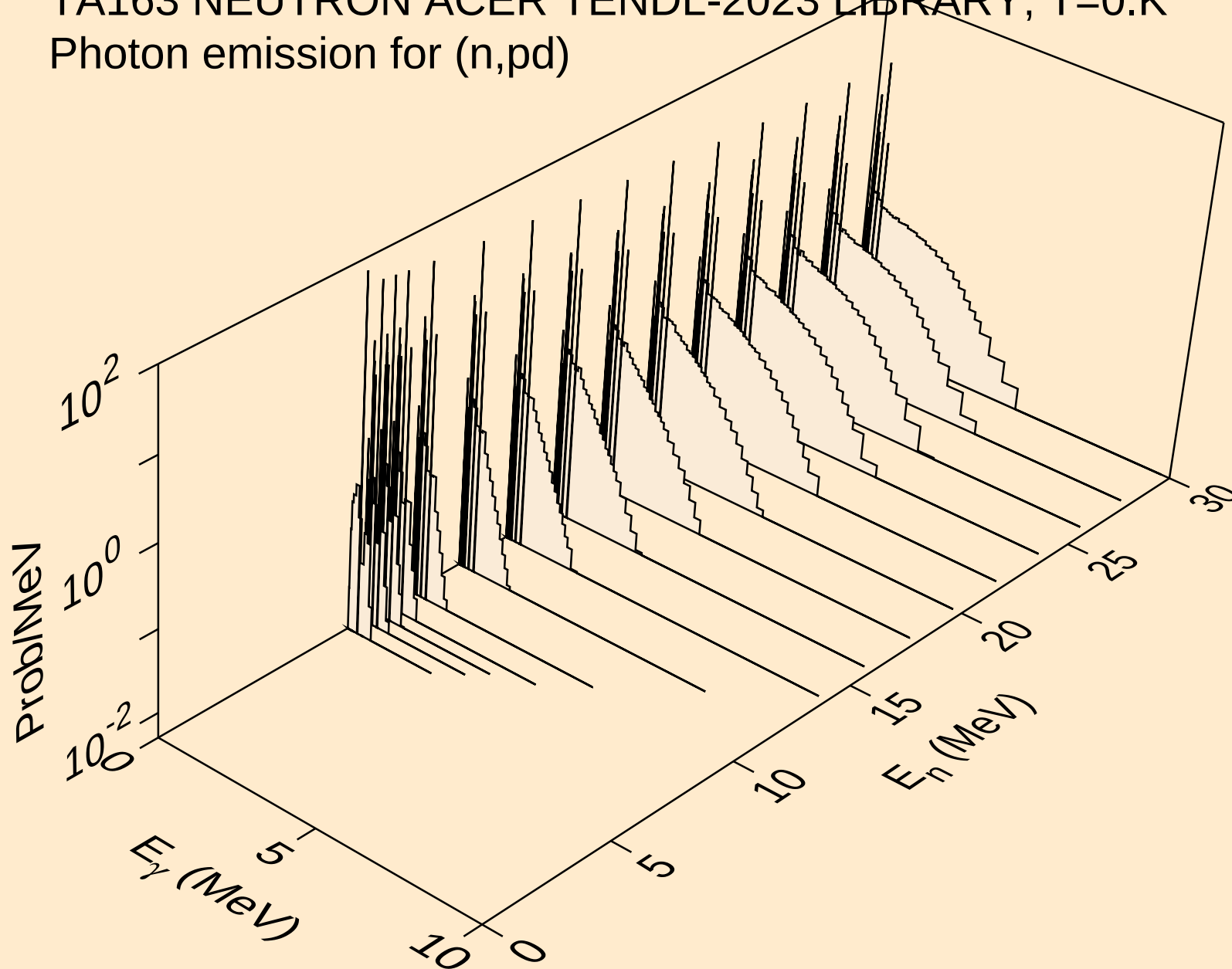
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Photon emission for (n,t2a)



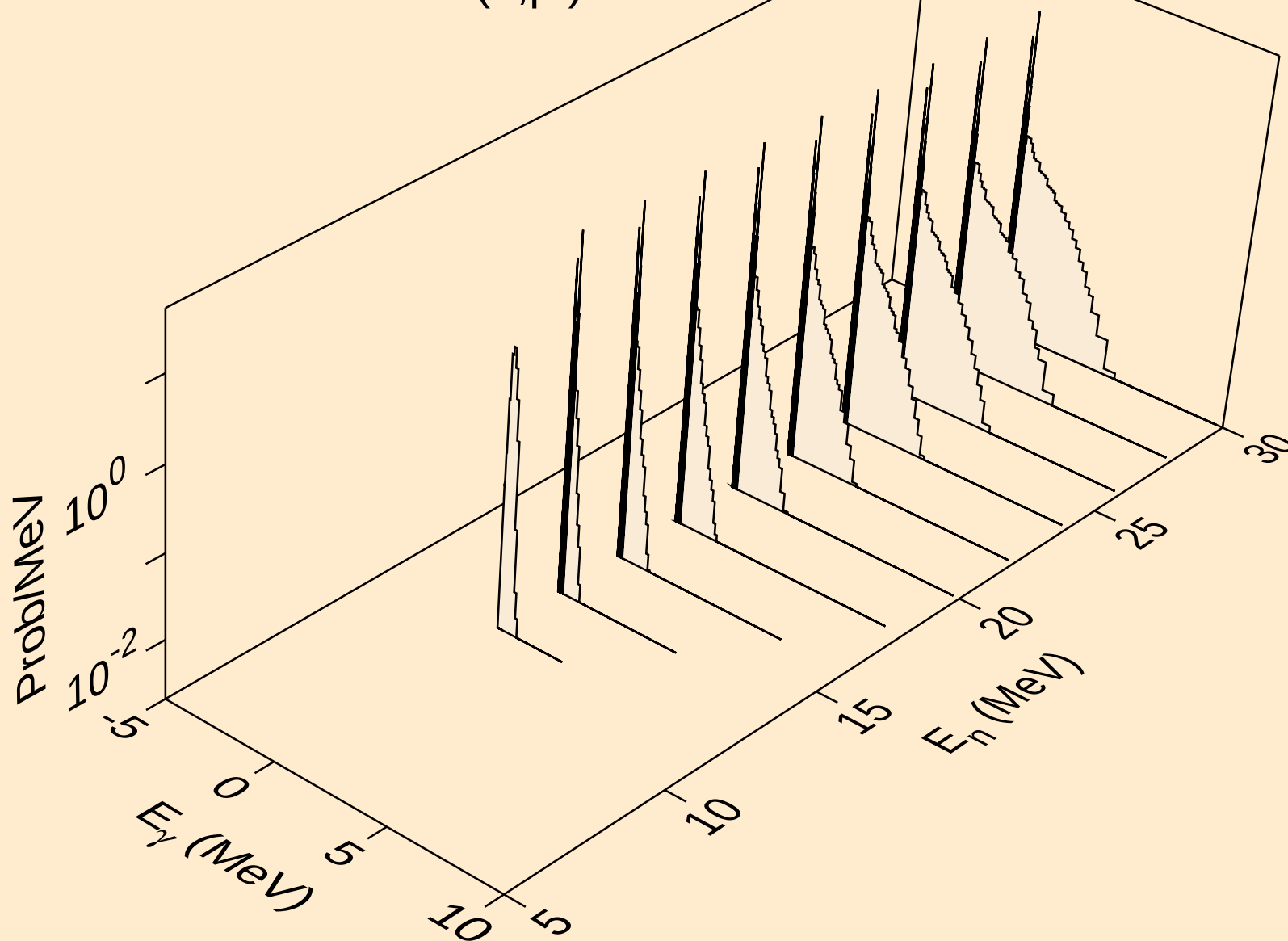
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Photon emission for (n,d2a)



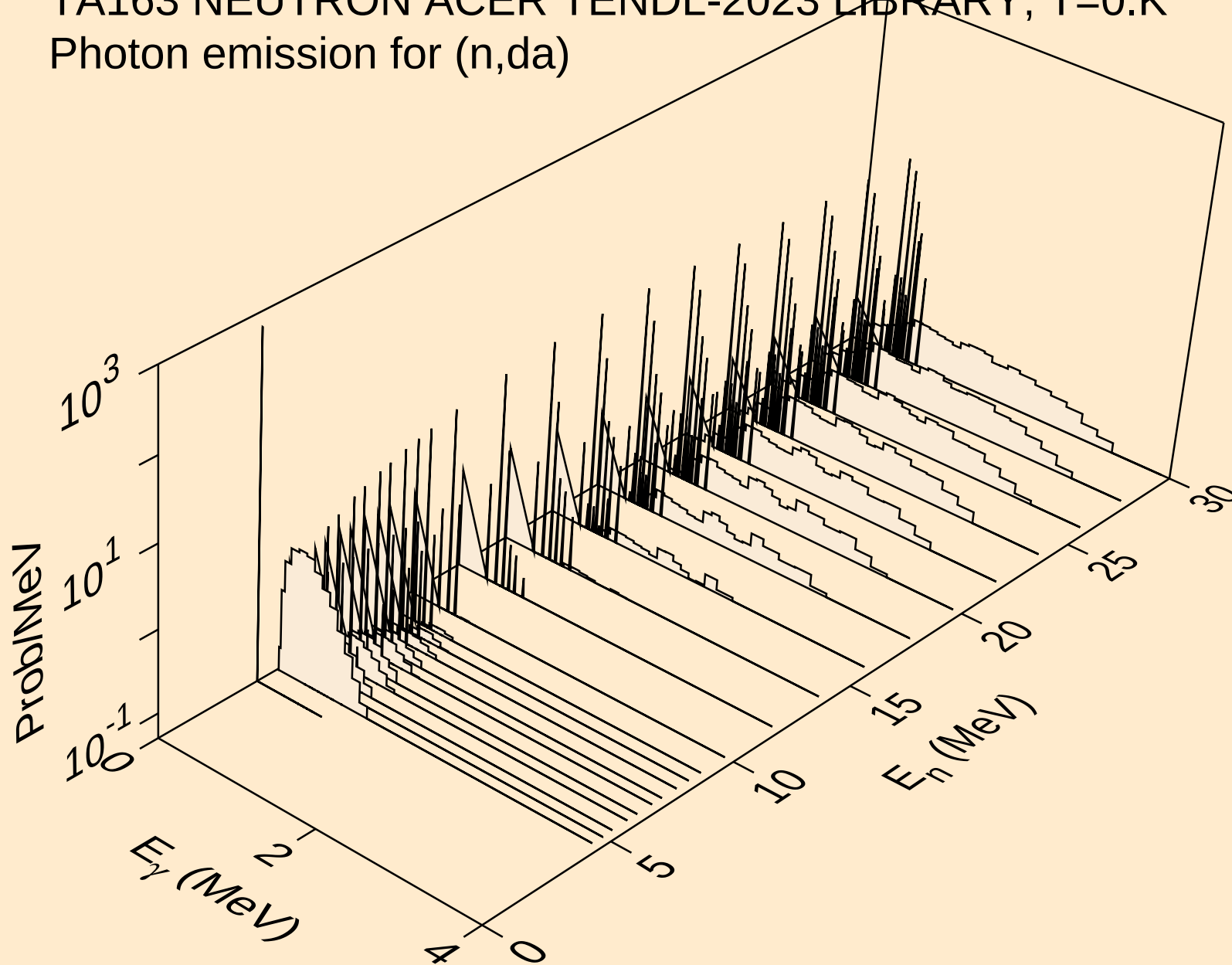
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



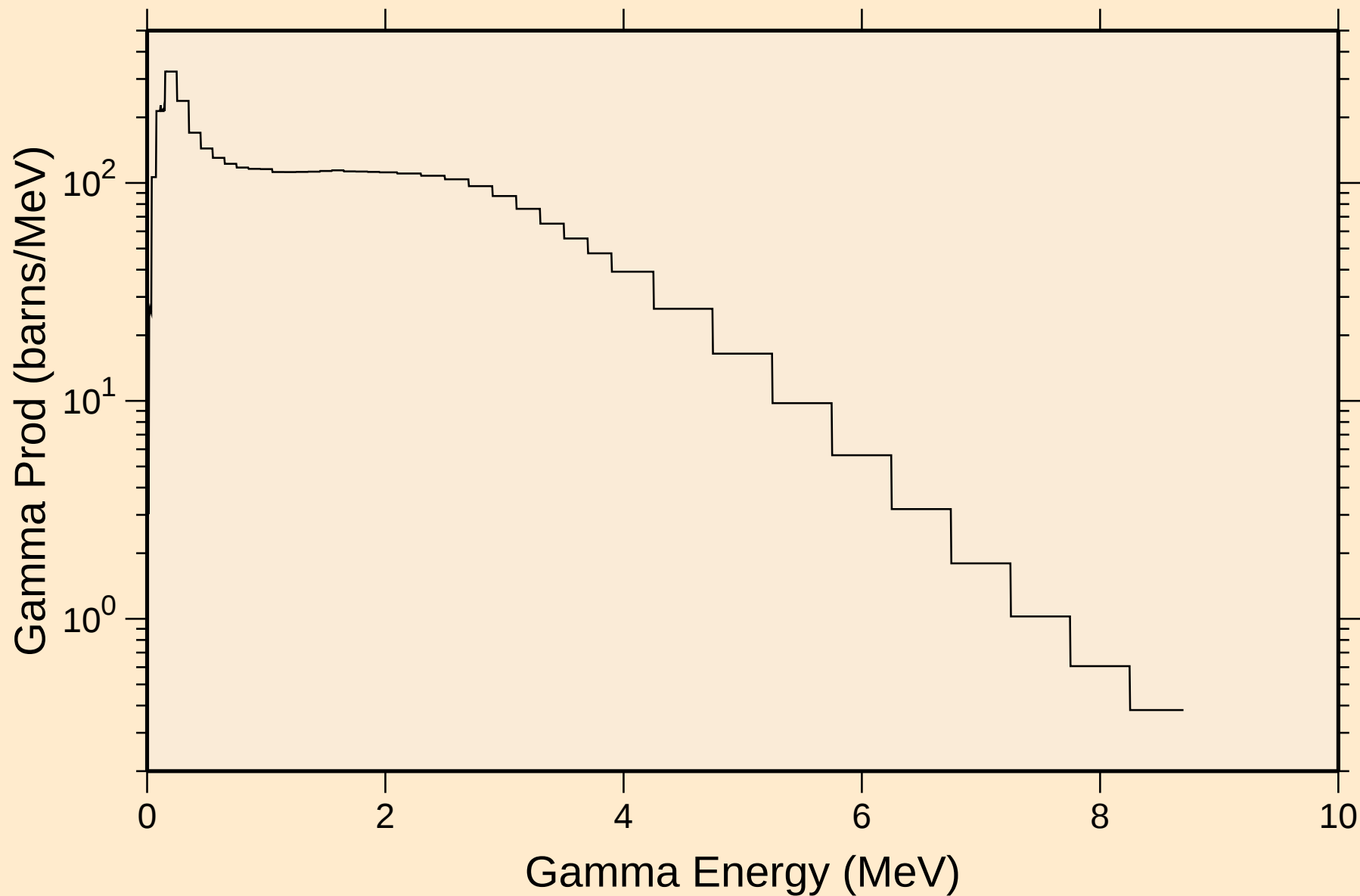
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Photon emission for (n,pt)



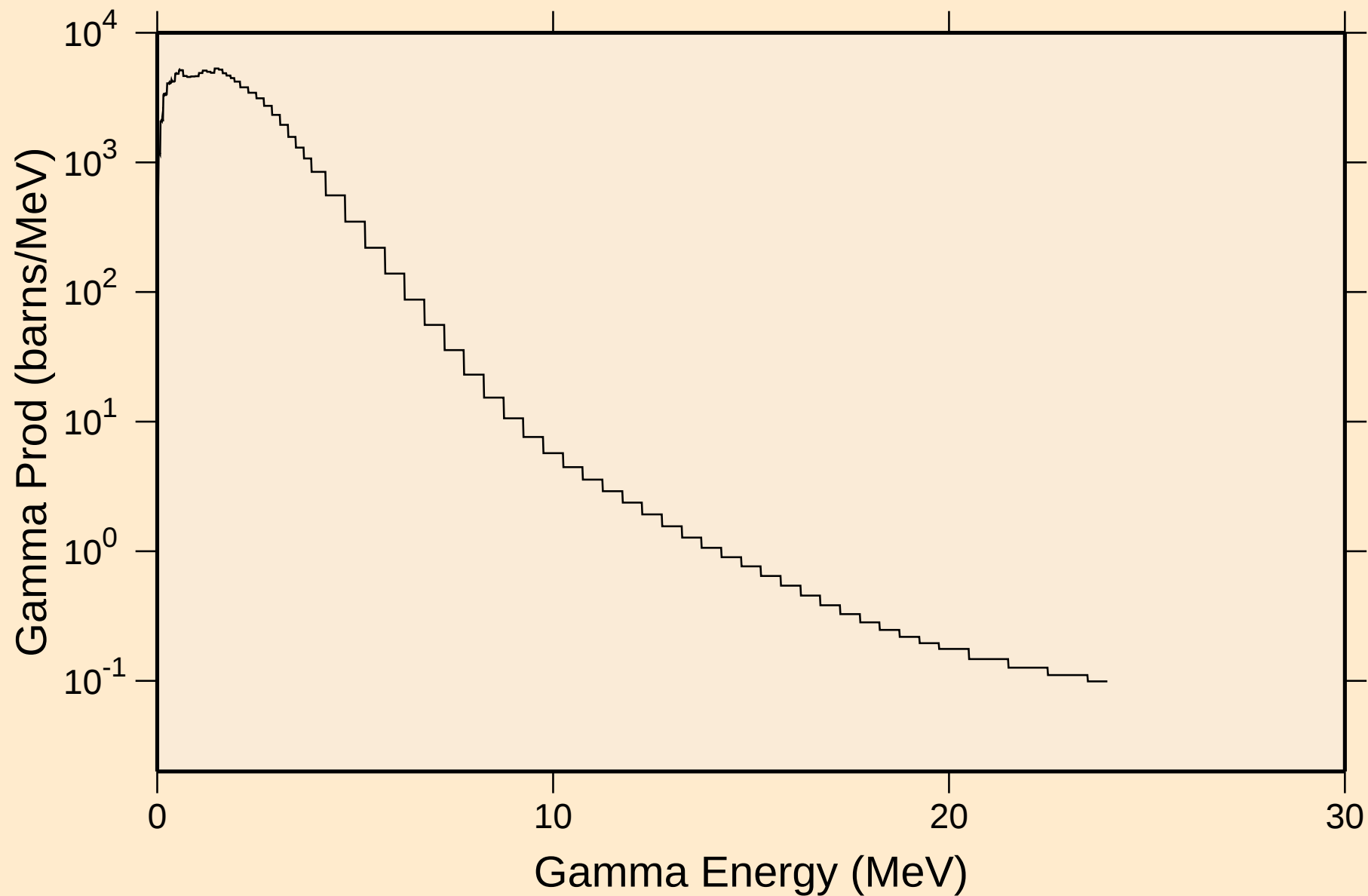
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

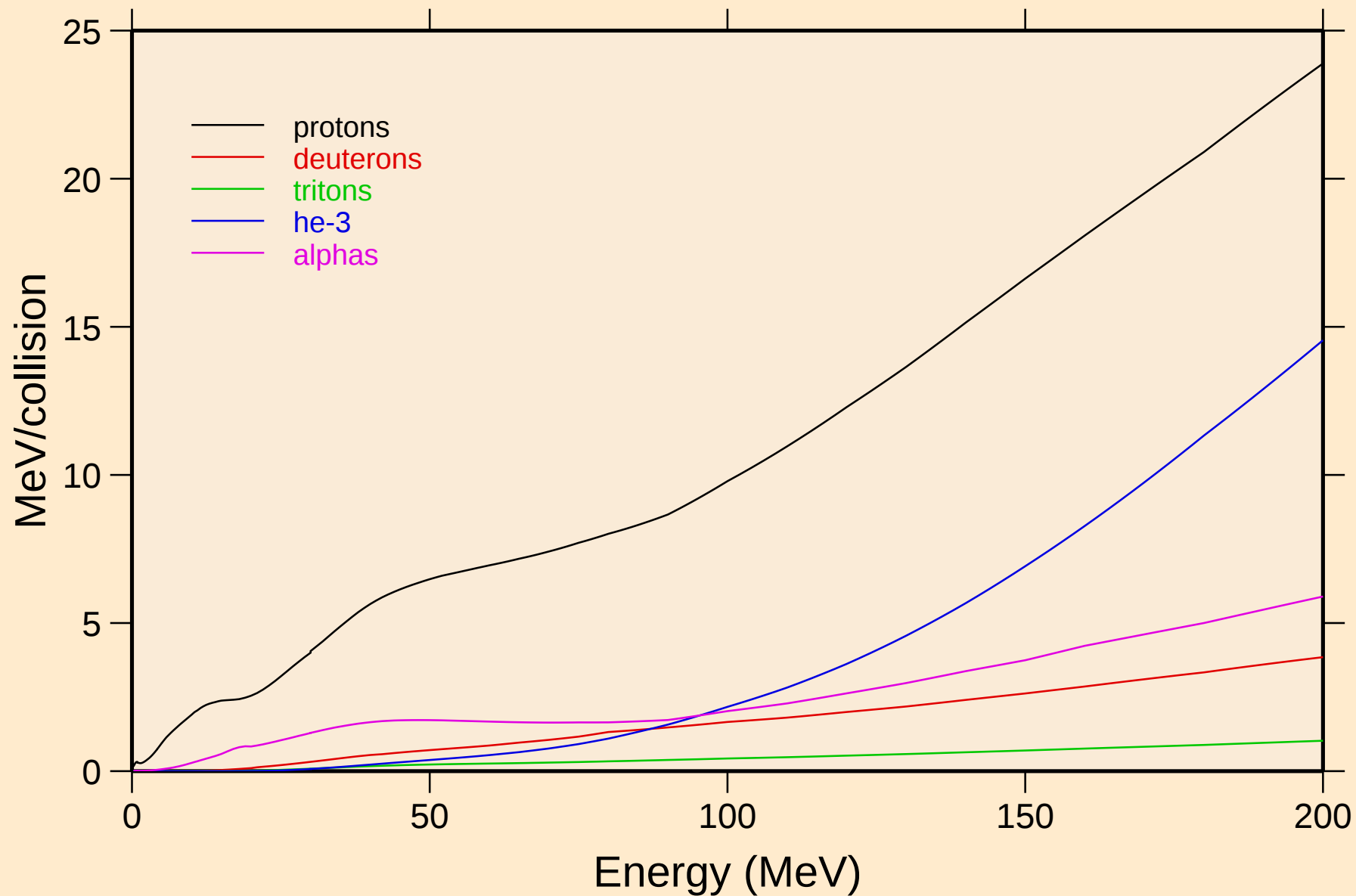


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

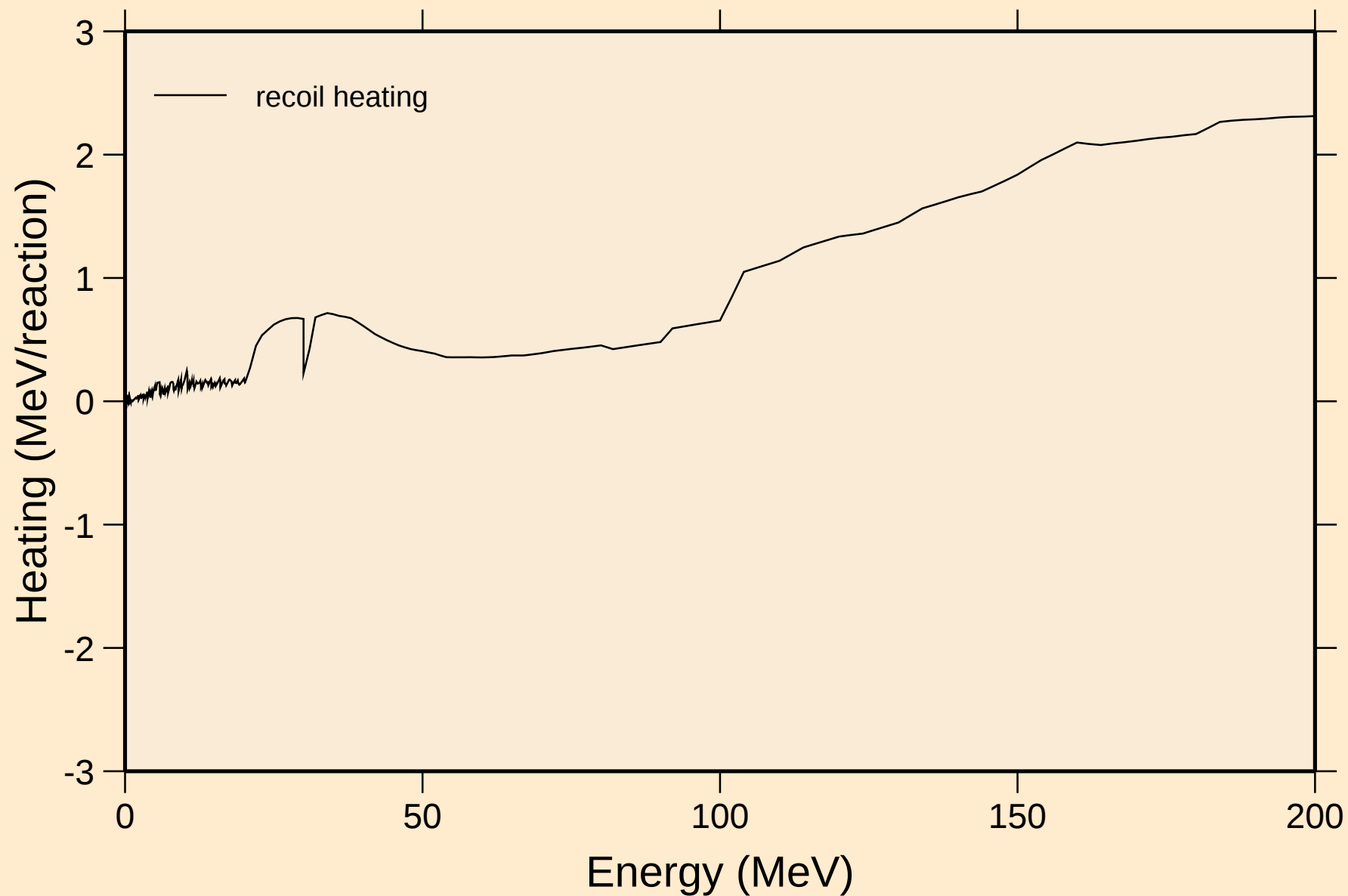


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

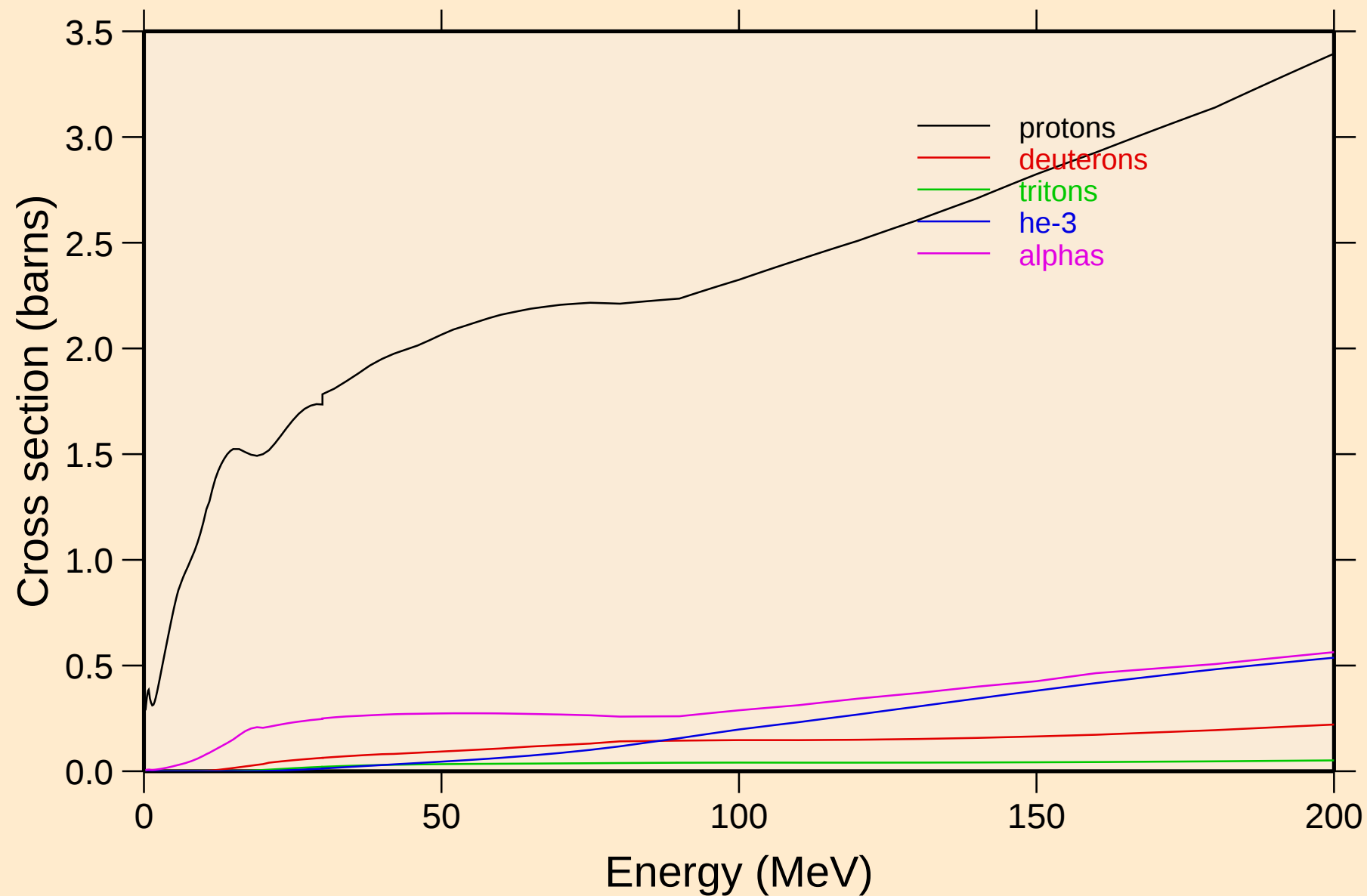


TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

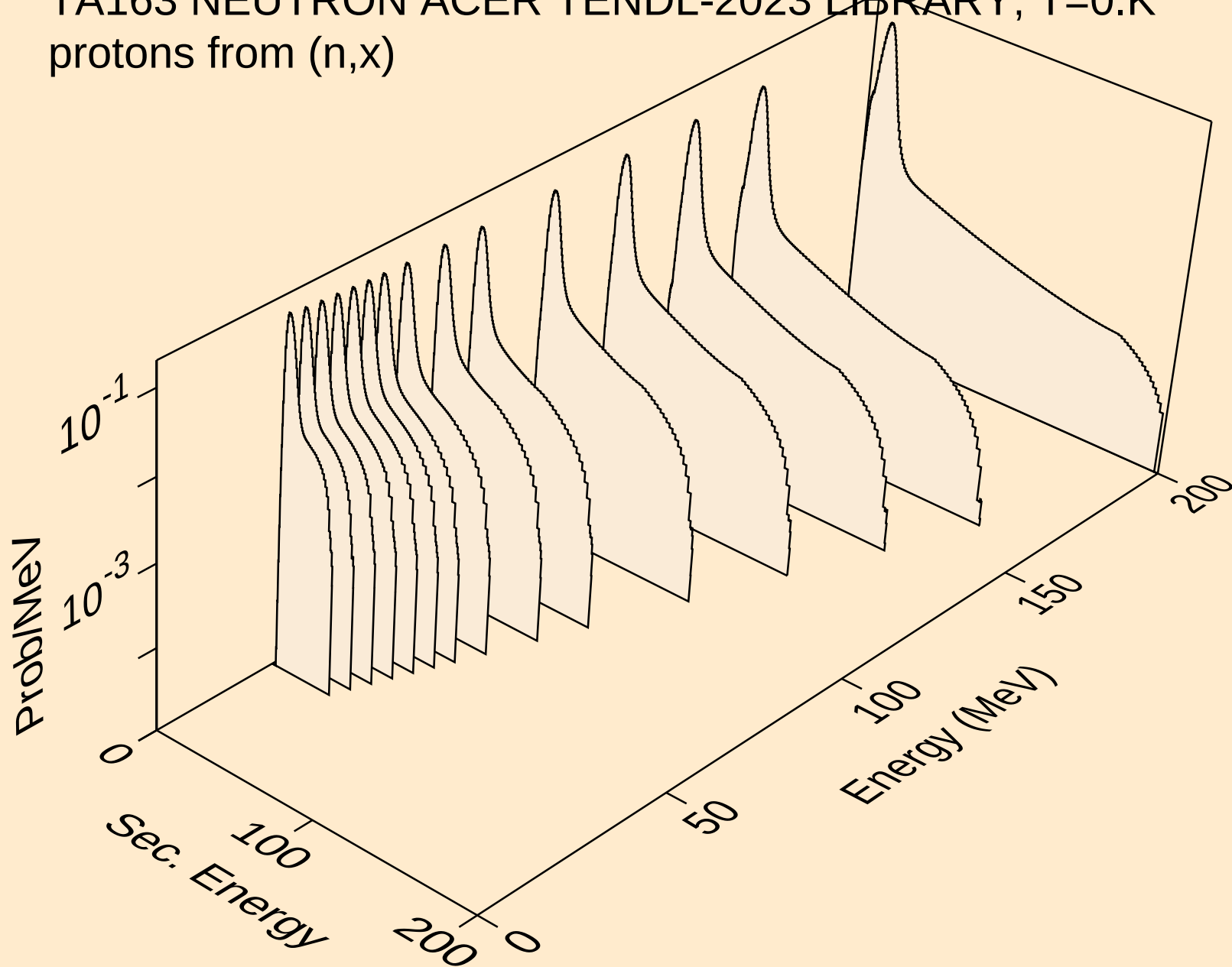


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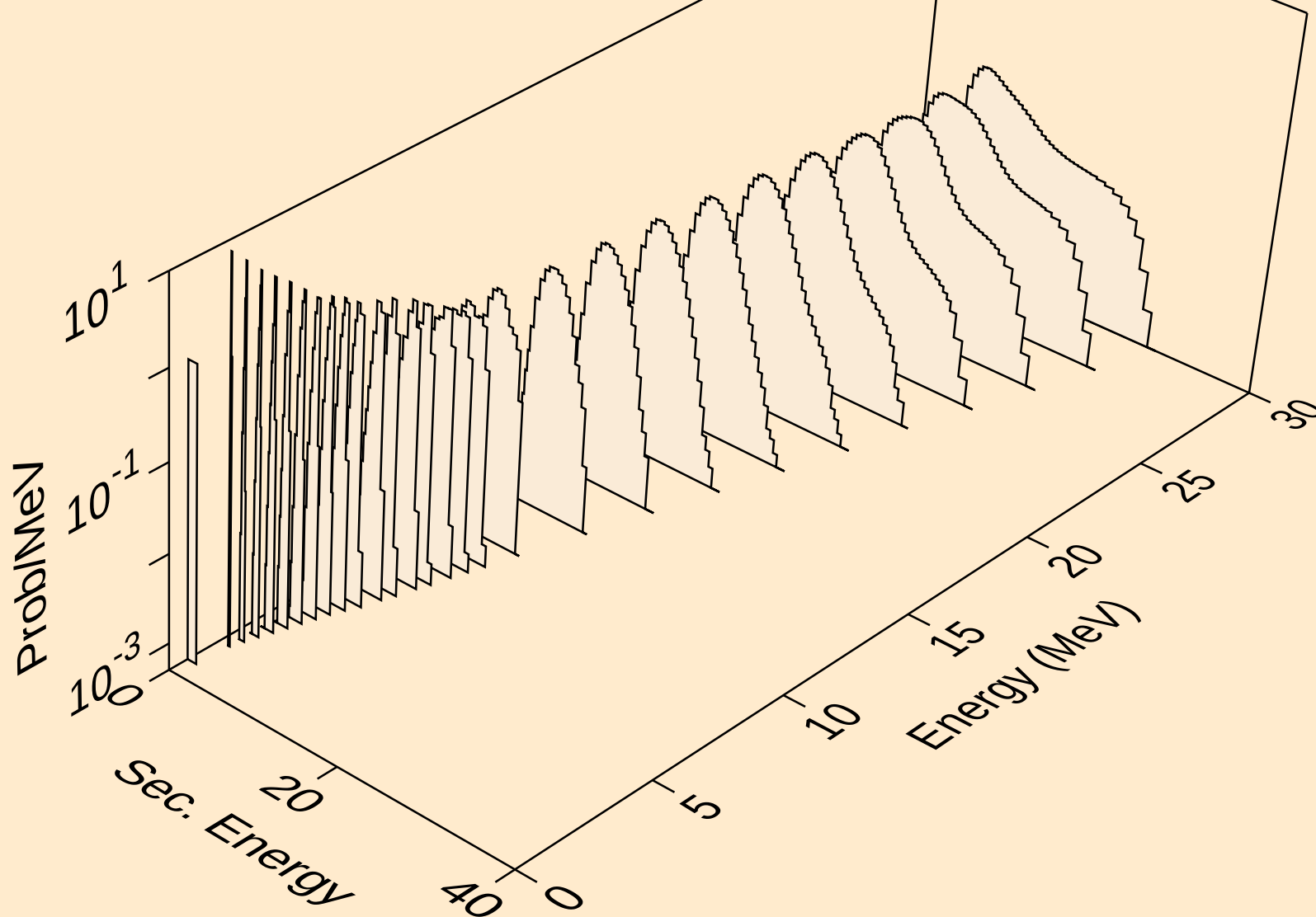
Particle production cross sections



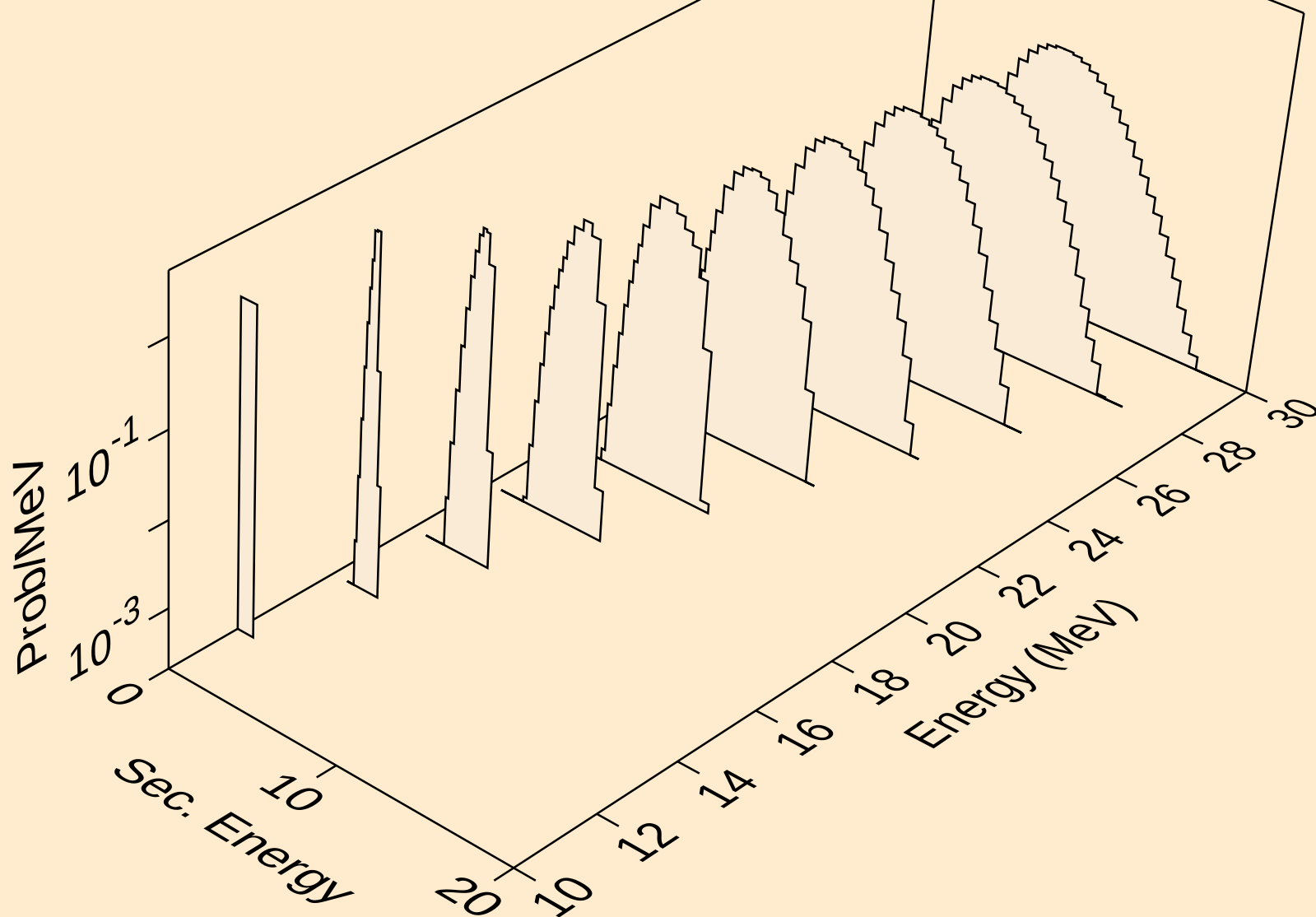
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



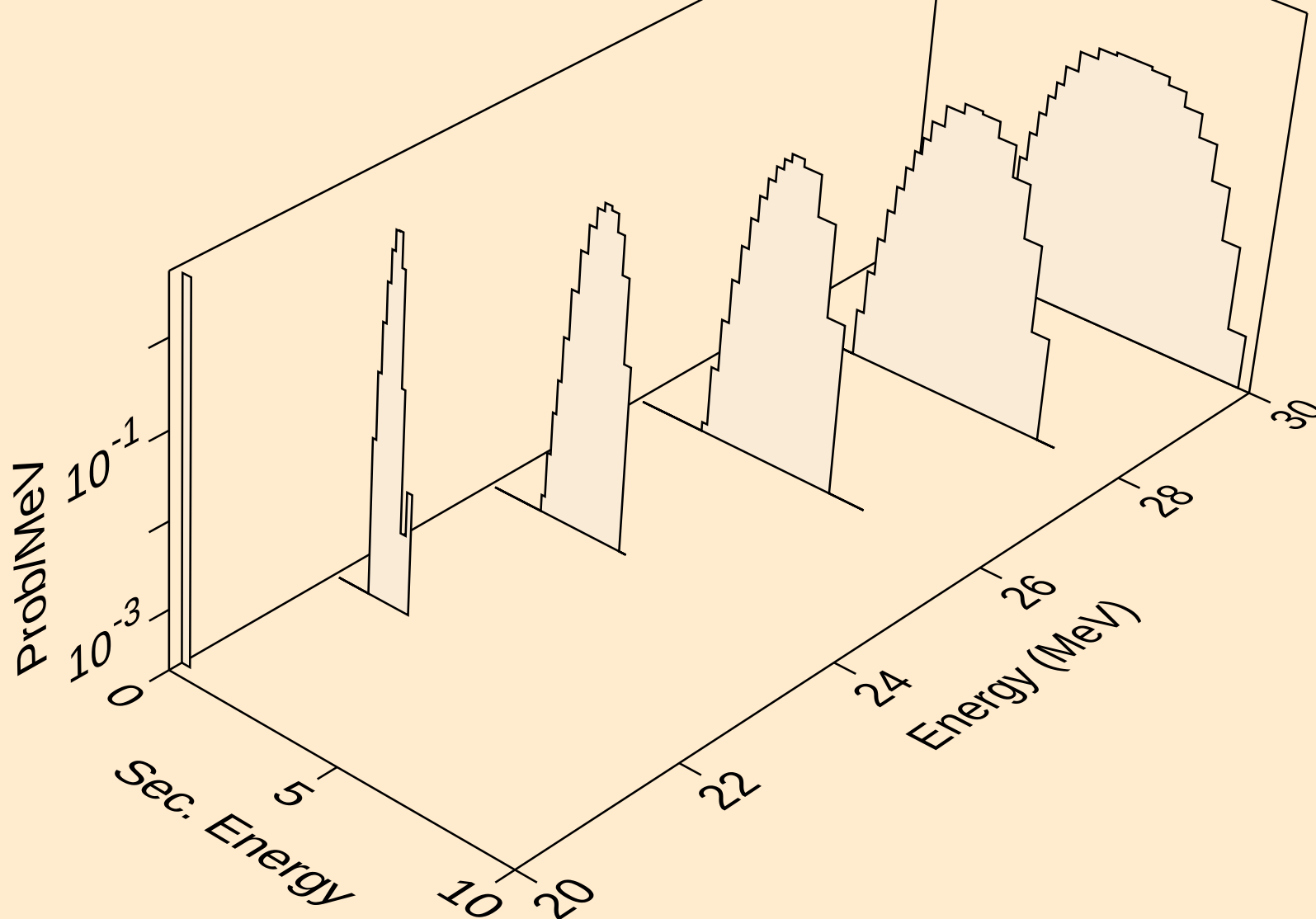
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



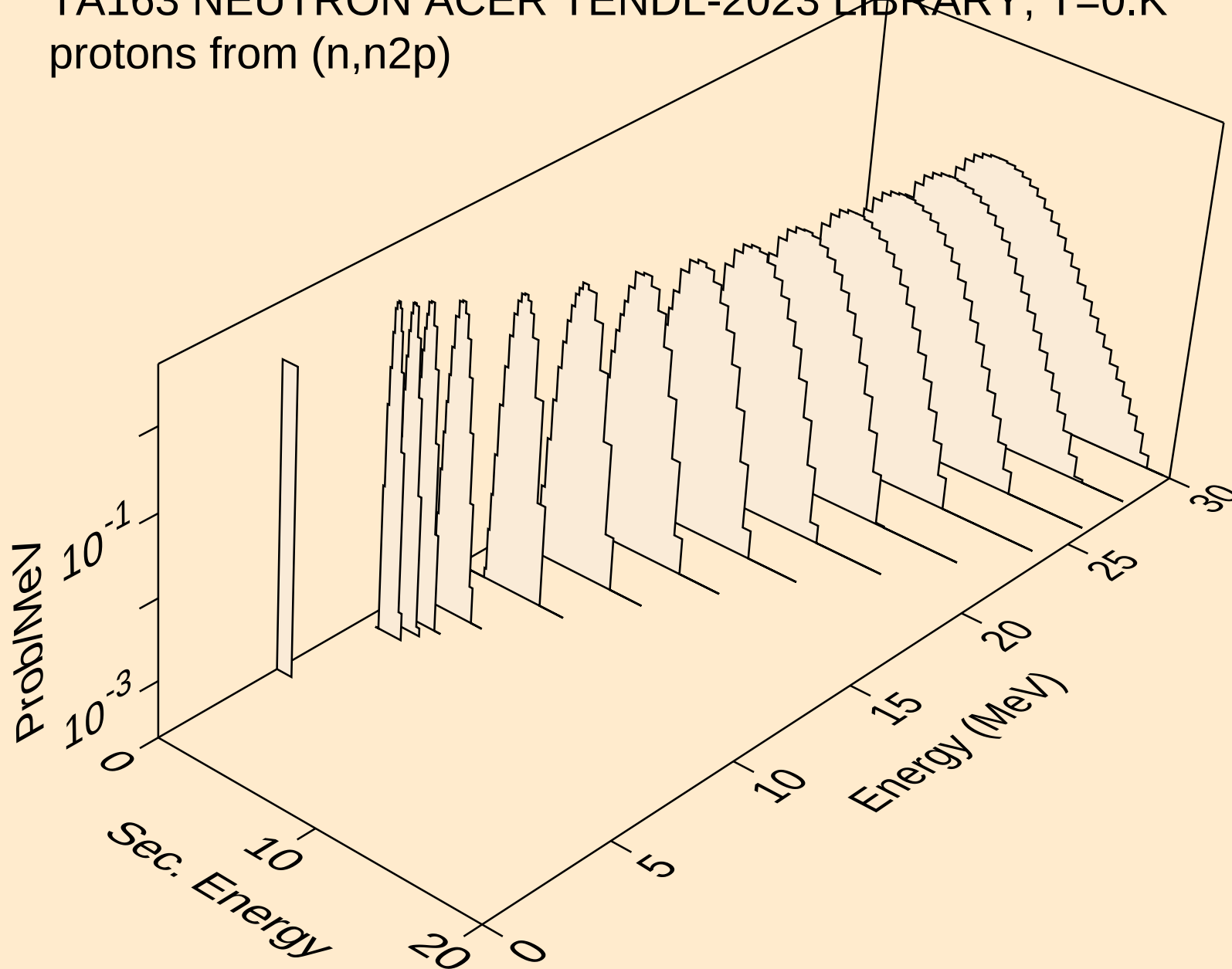
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protons from (n,2np)



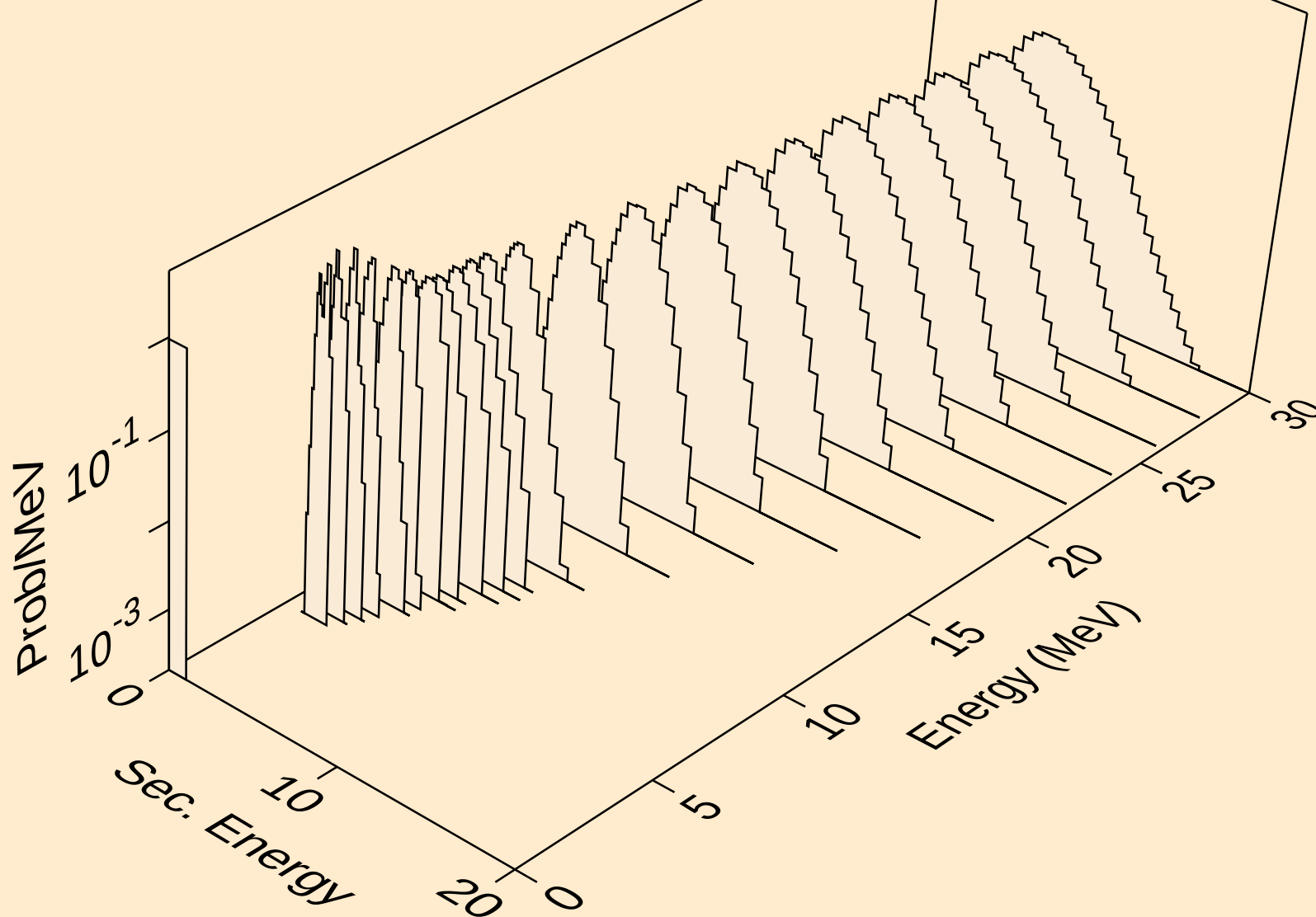
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protons from (n,3np)



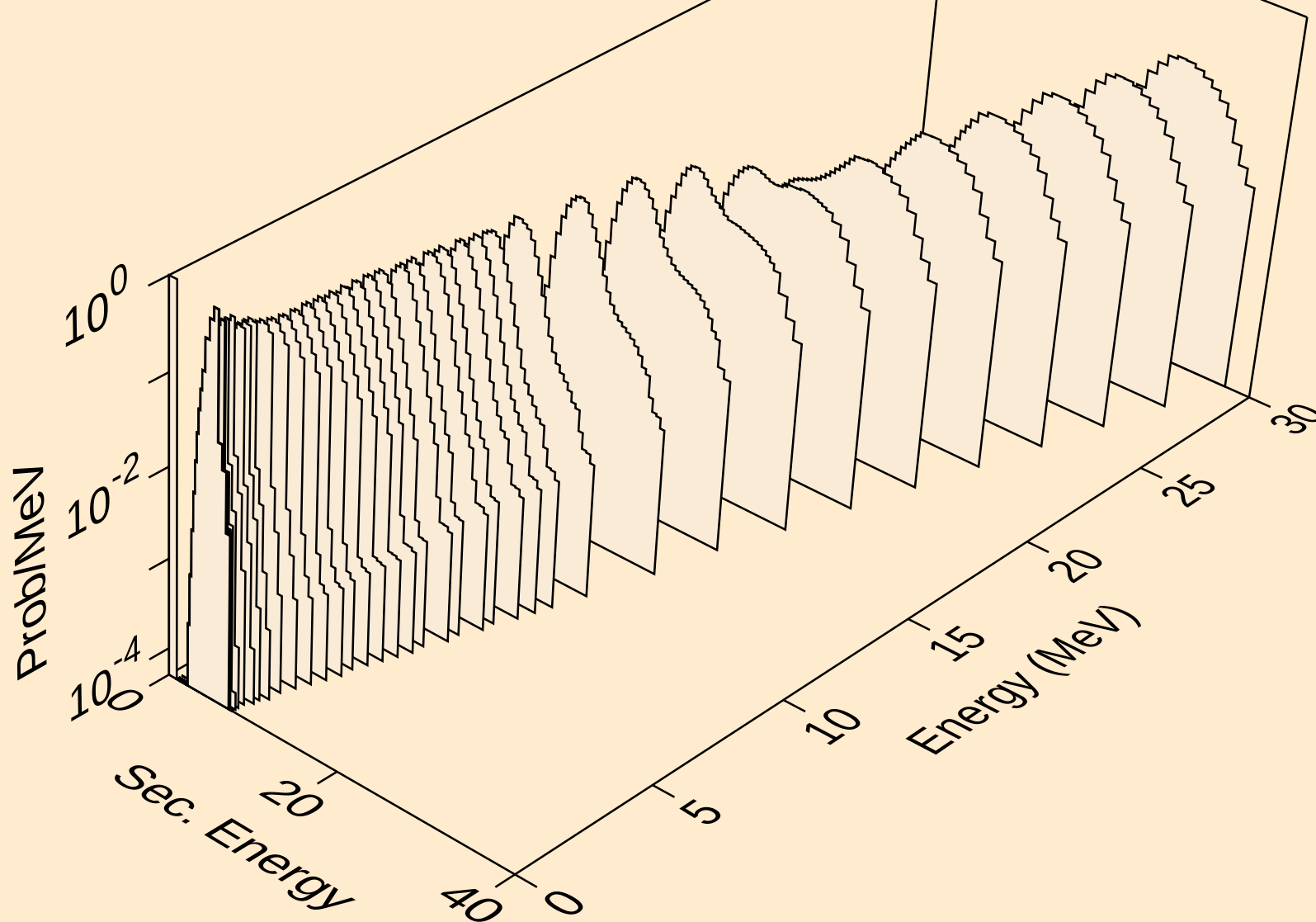
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protons from (n,n2p)



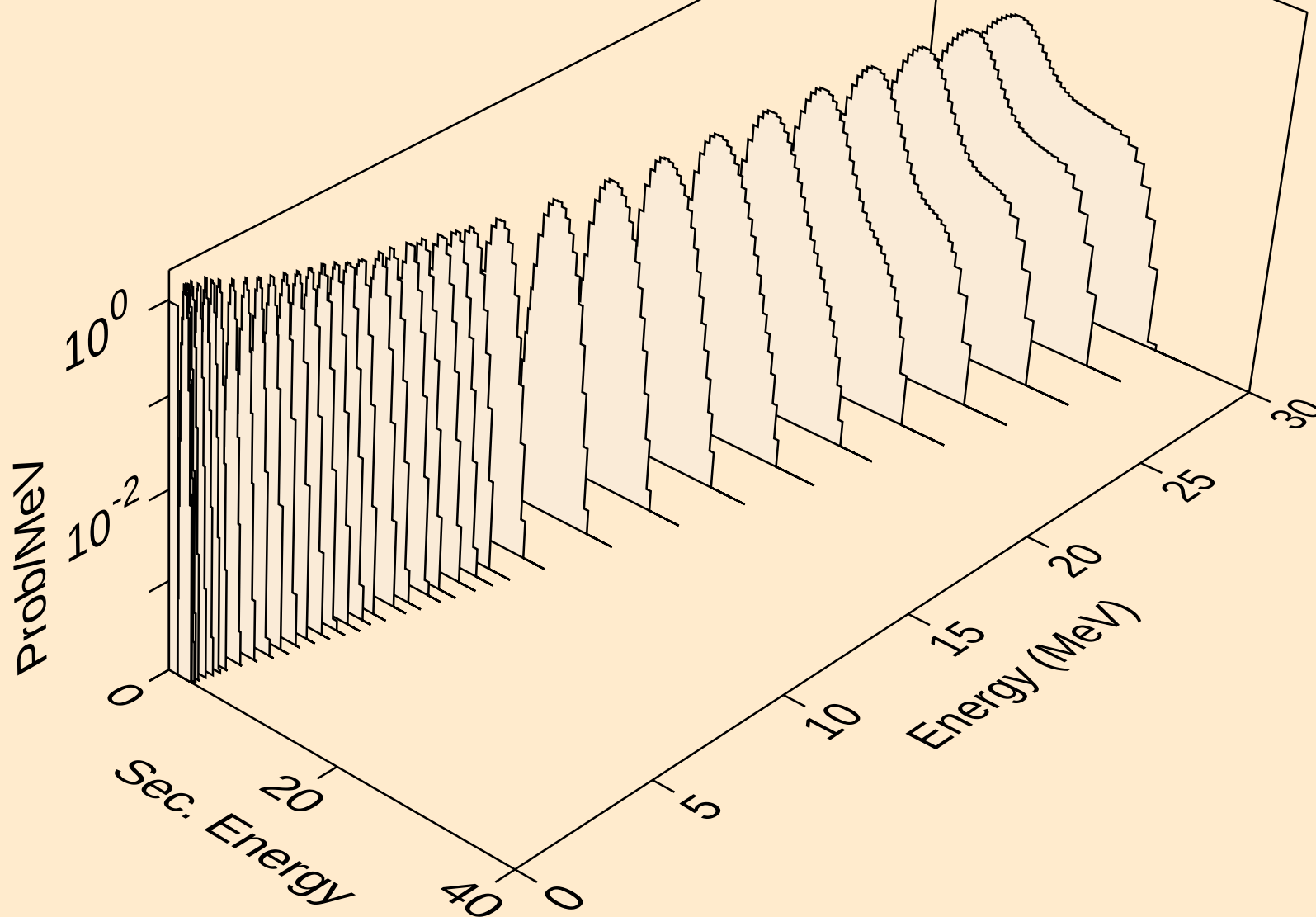
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protons from (n,npa)



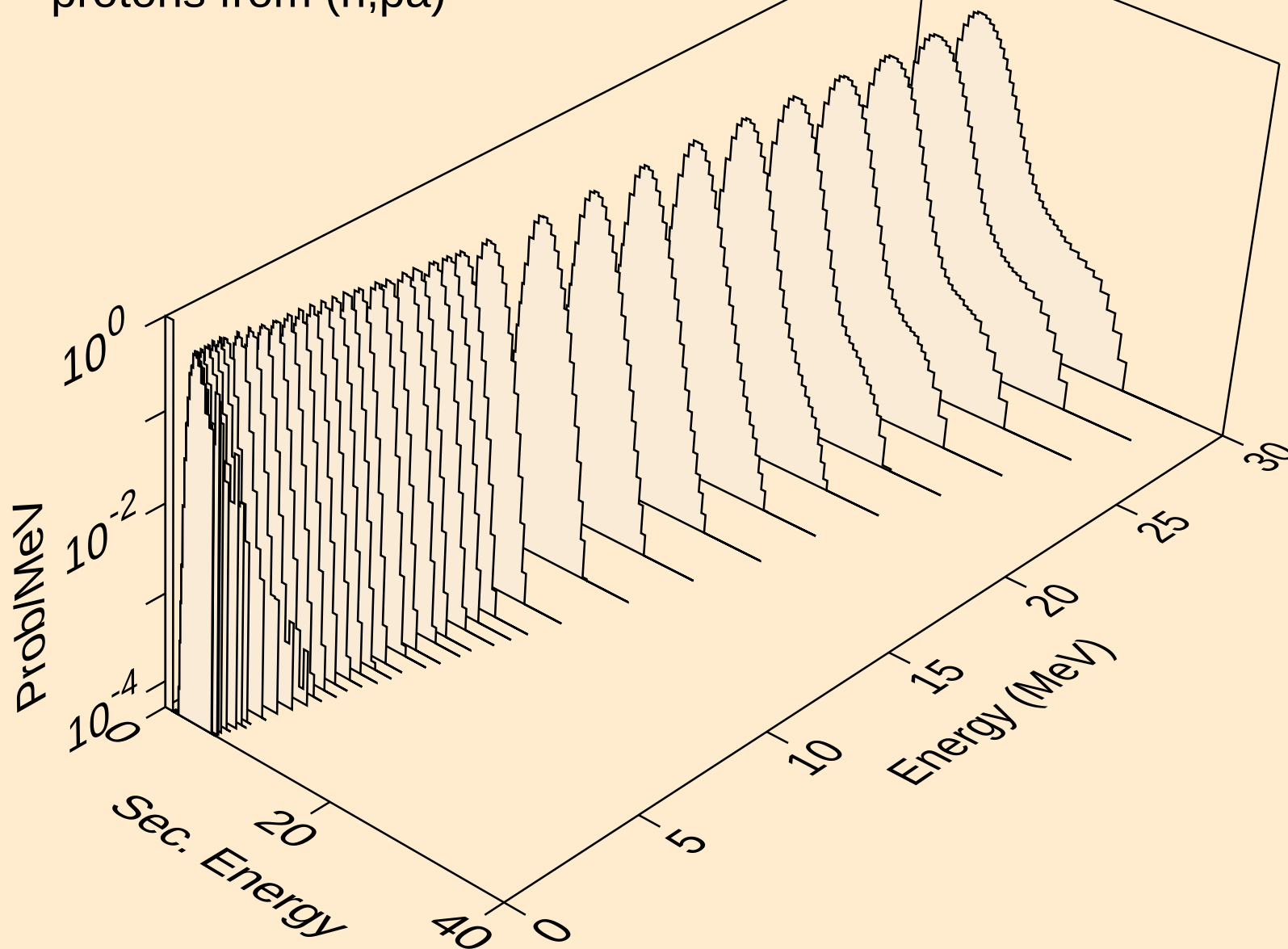
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protons from (n,p)



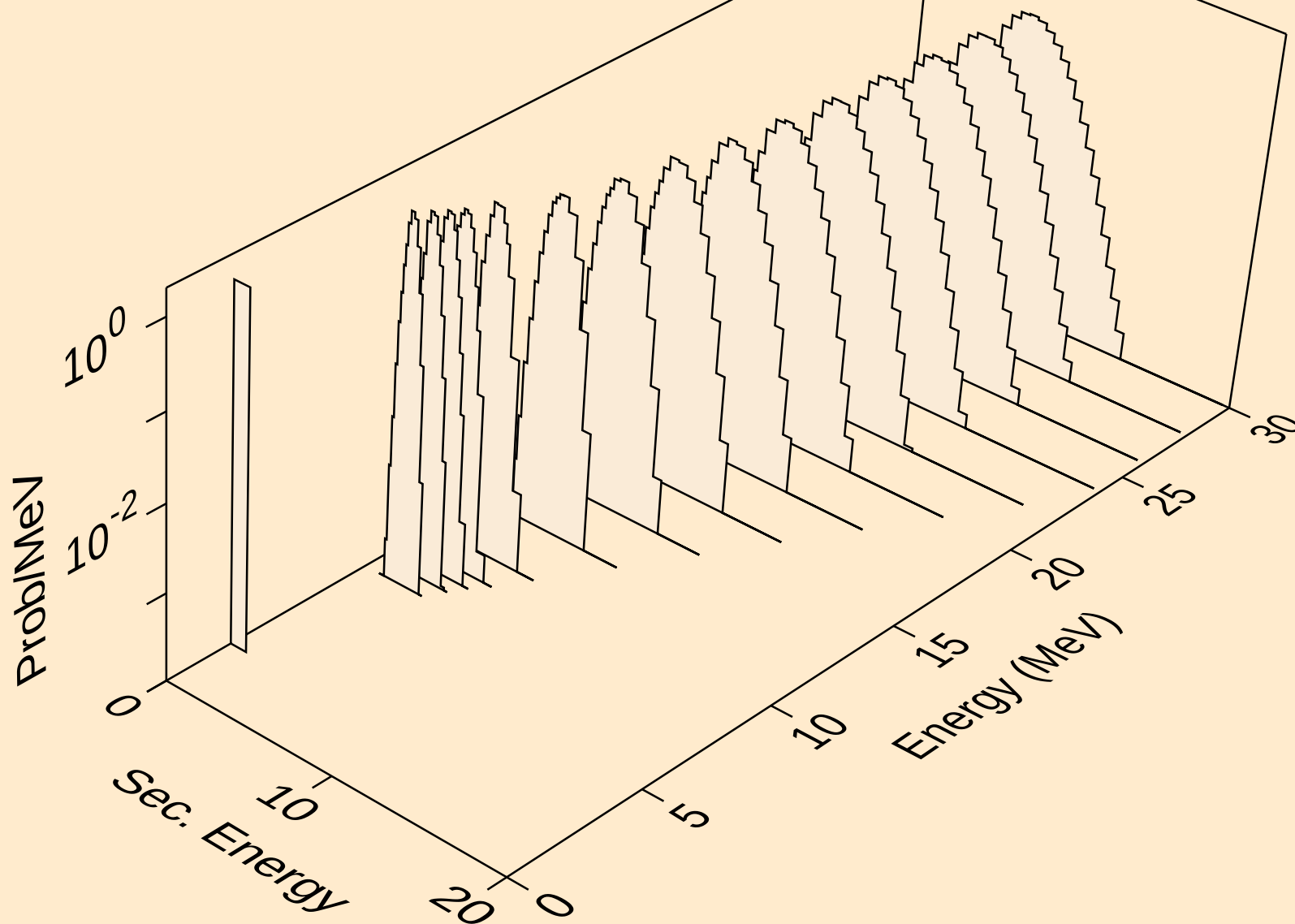
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protons from (n,2p)



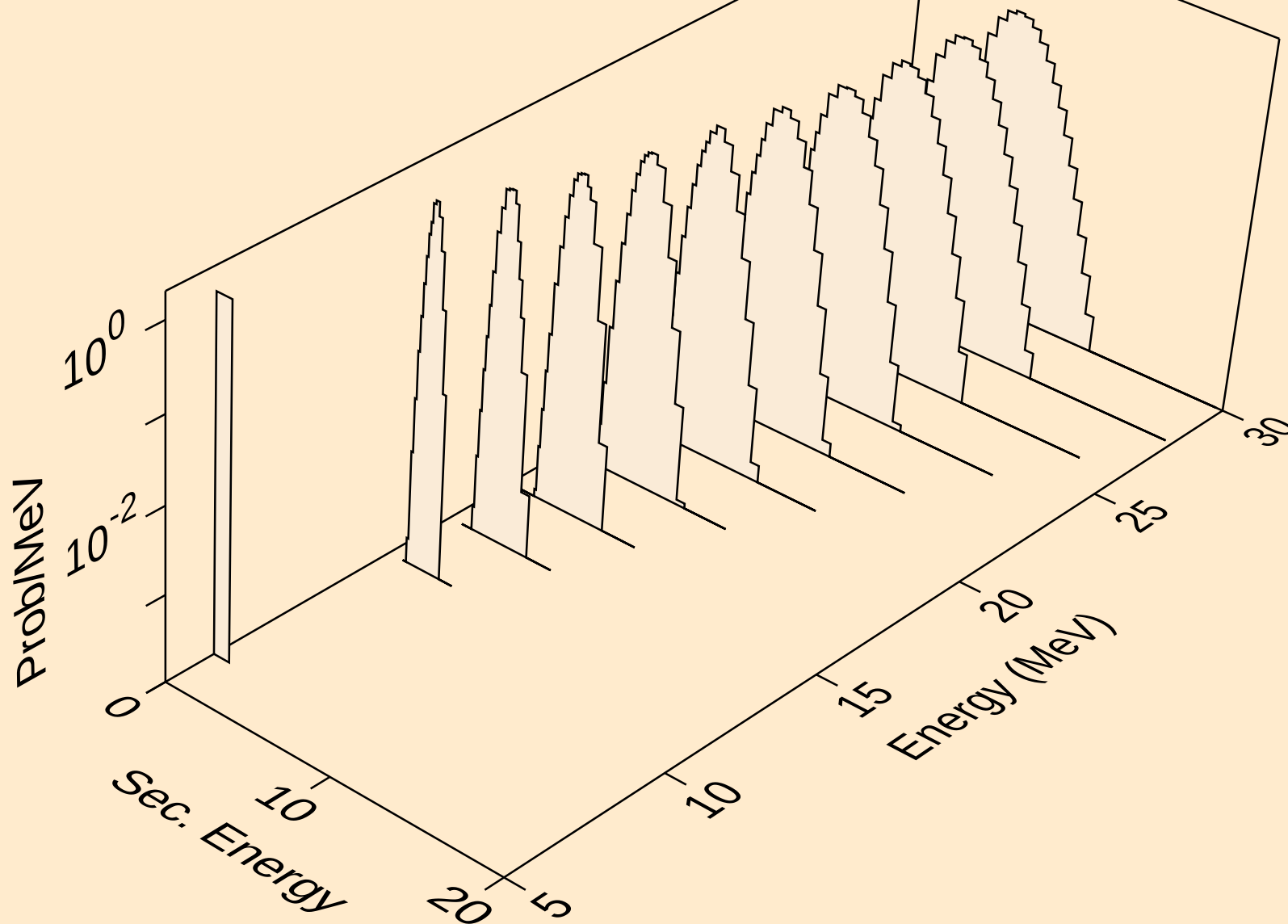
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protons from (n,p)



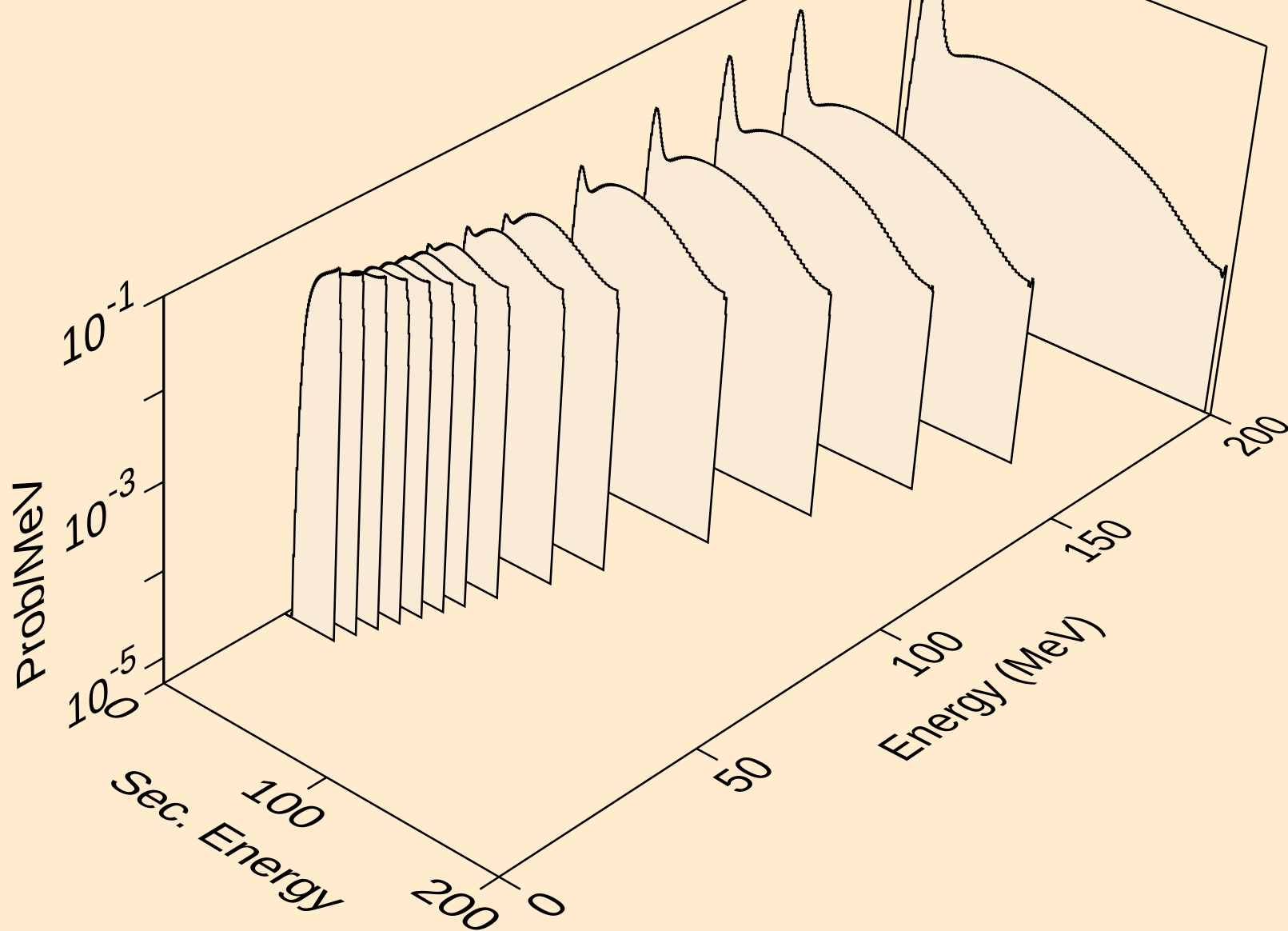
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protons from (n,pd)



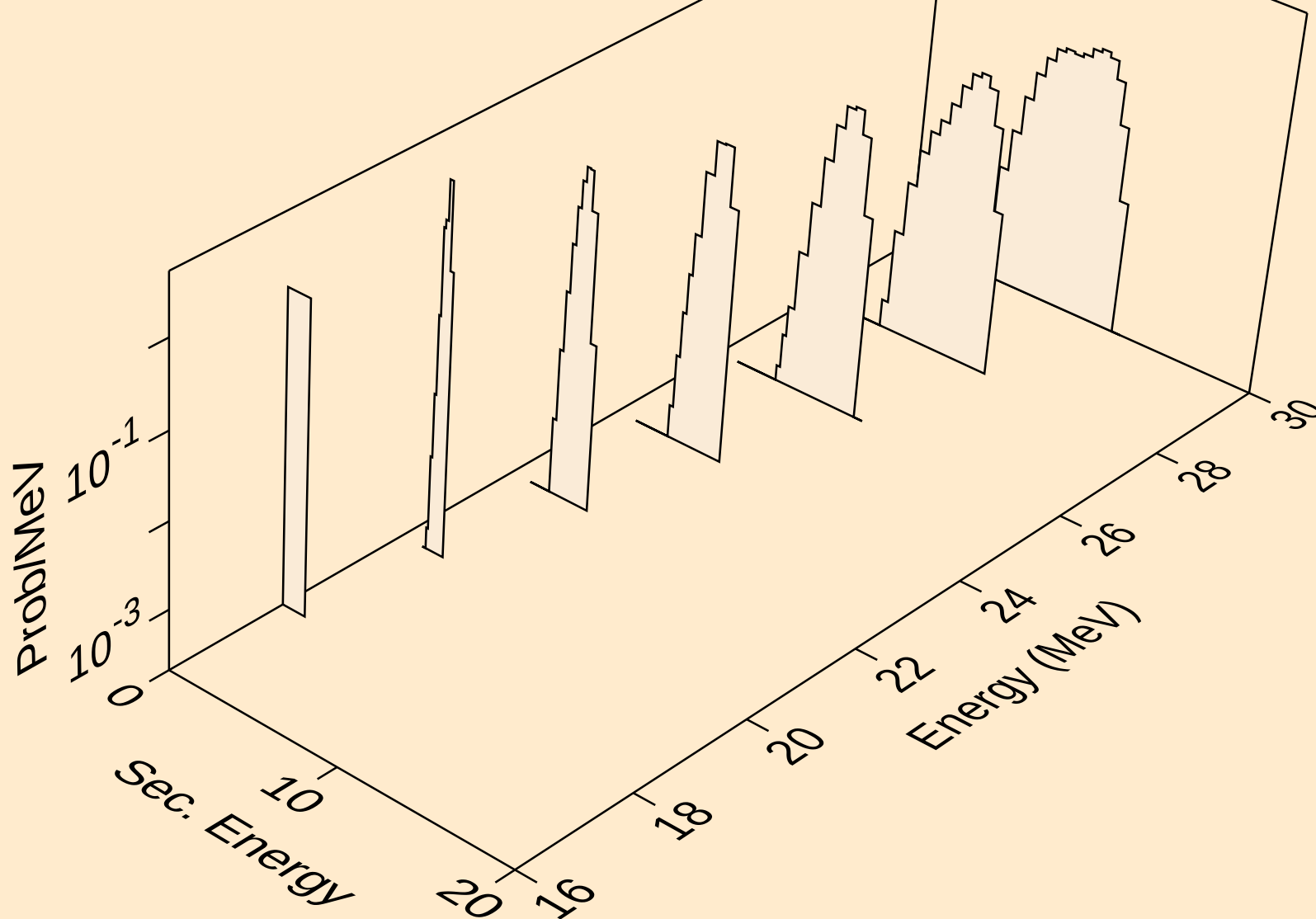
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protons from (n,pt)



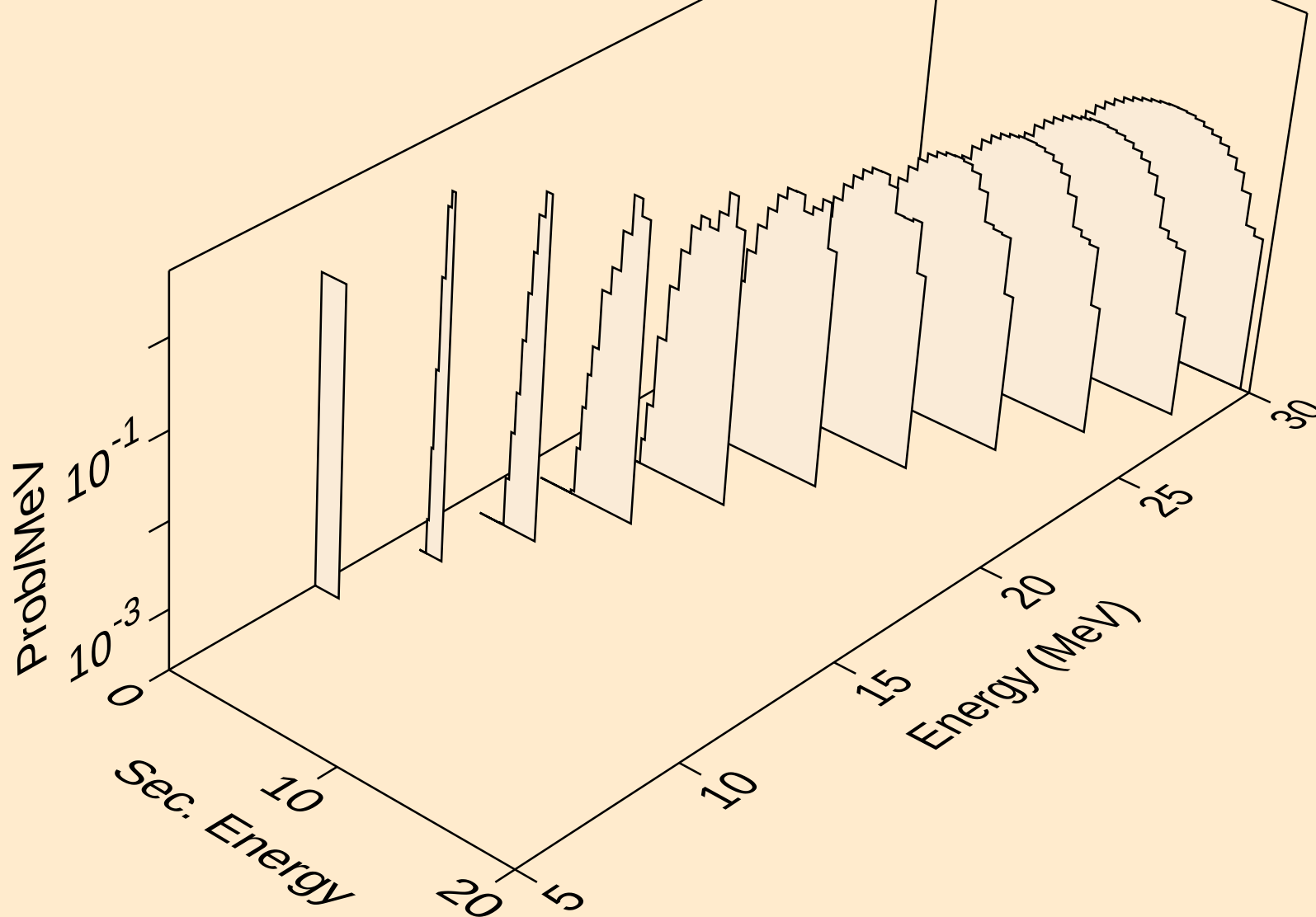
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deuterons from (n,x)



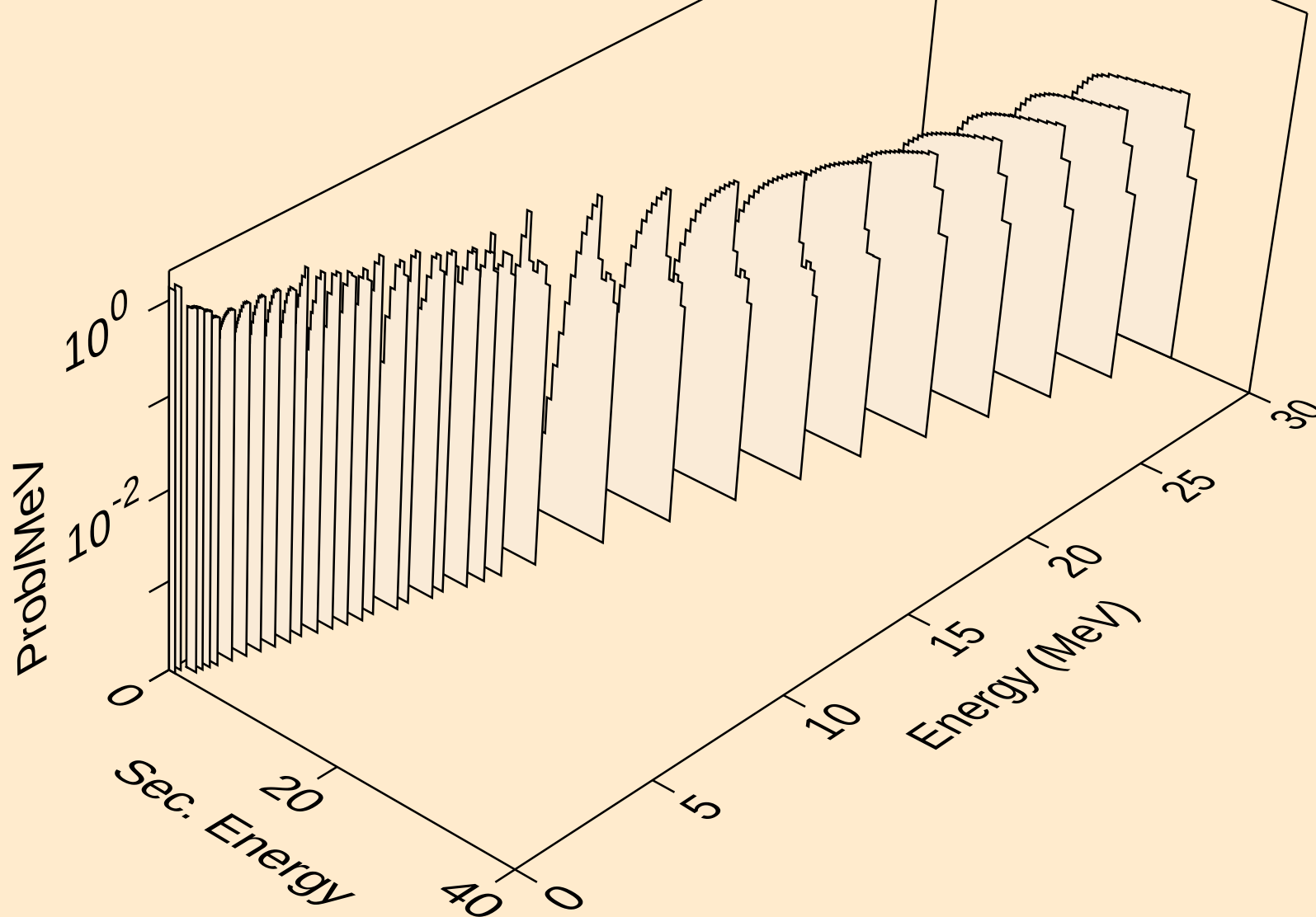
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deuterons from (n,2nd)



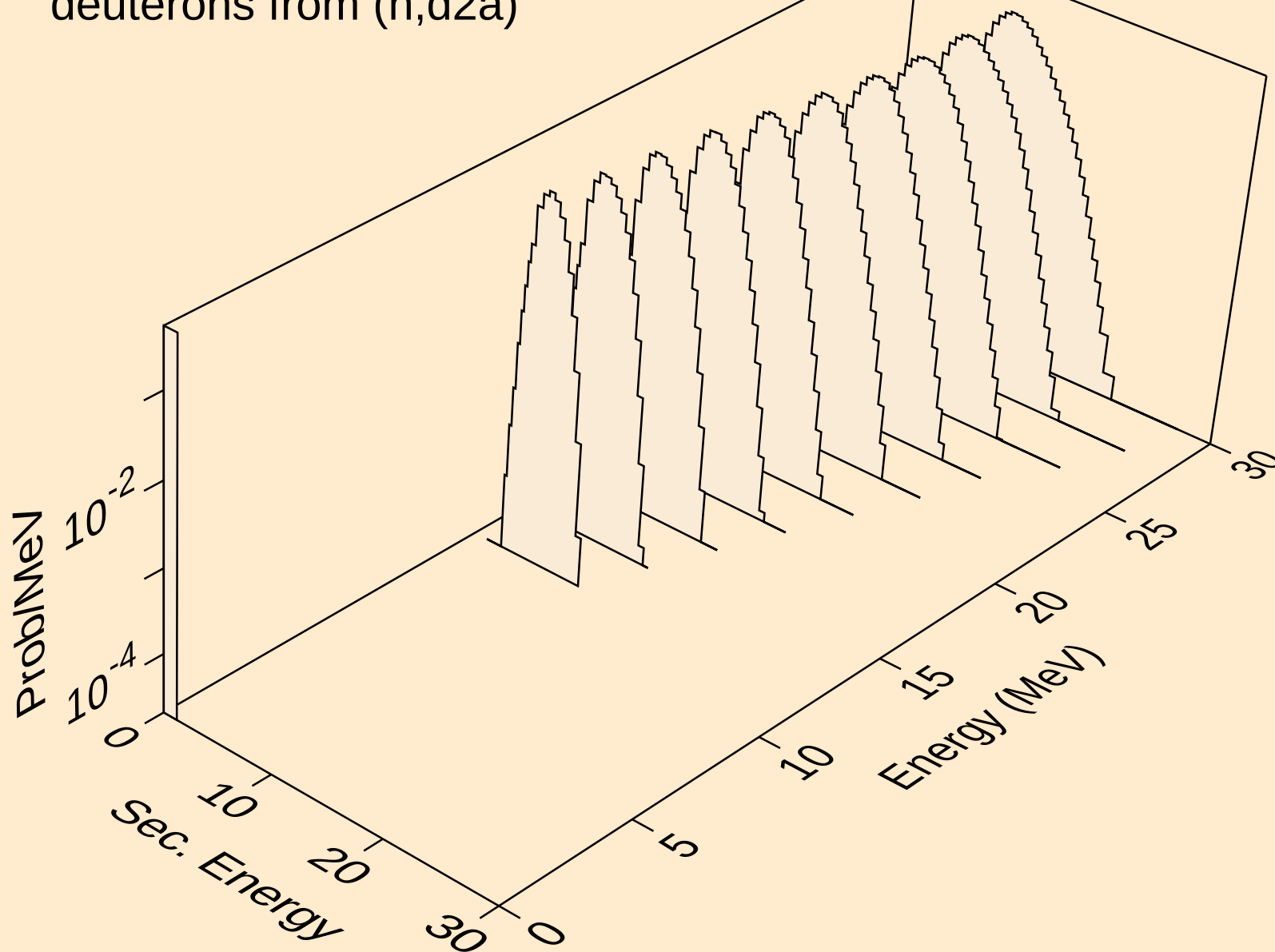
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



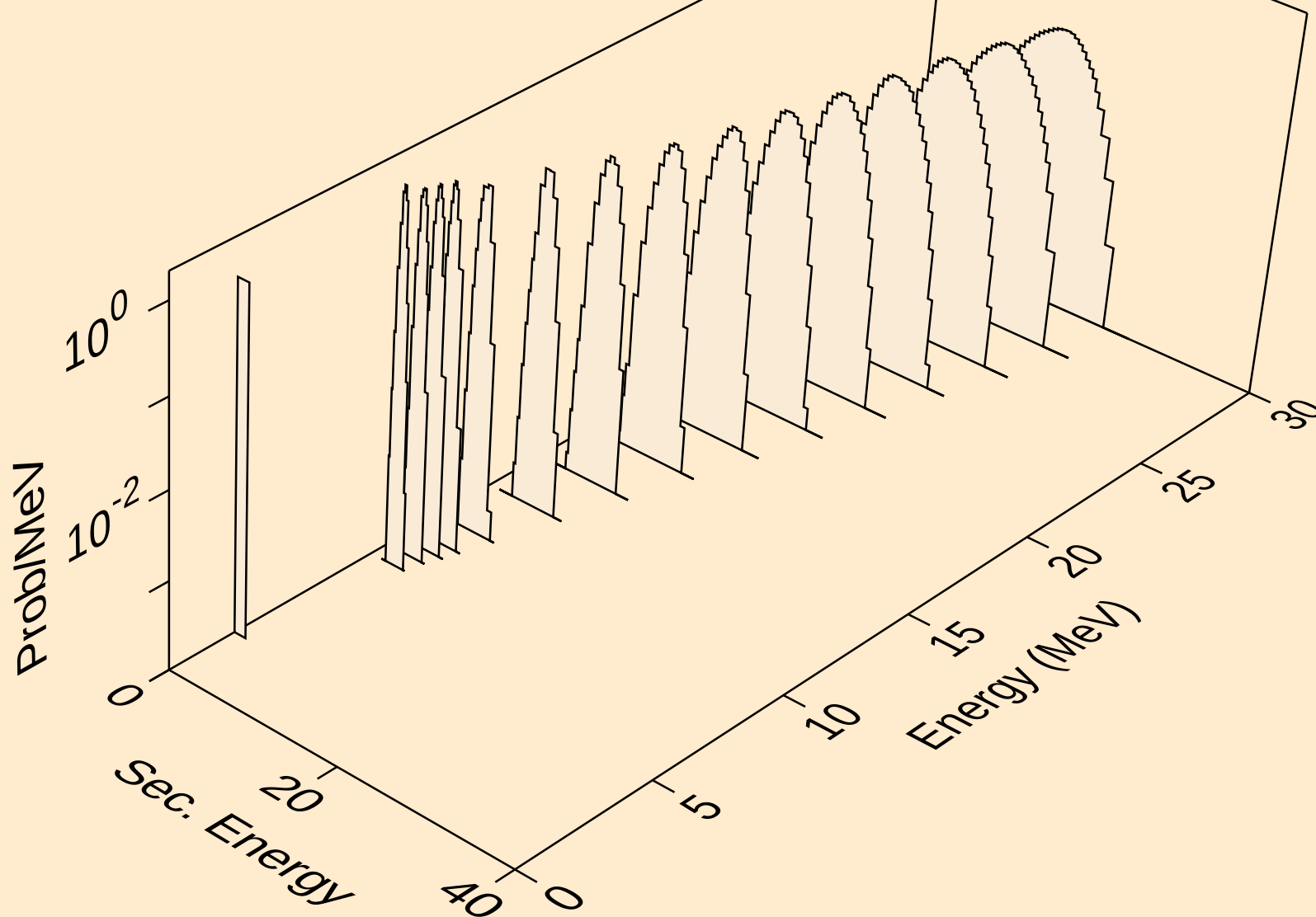
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deuterons from (n,d)



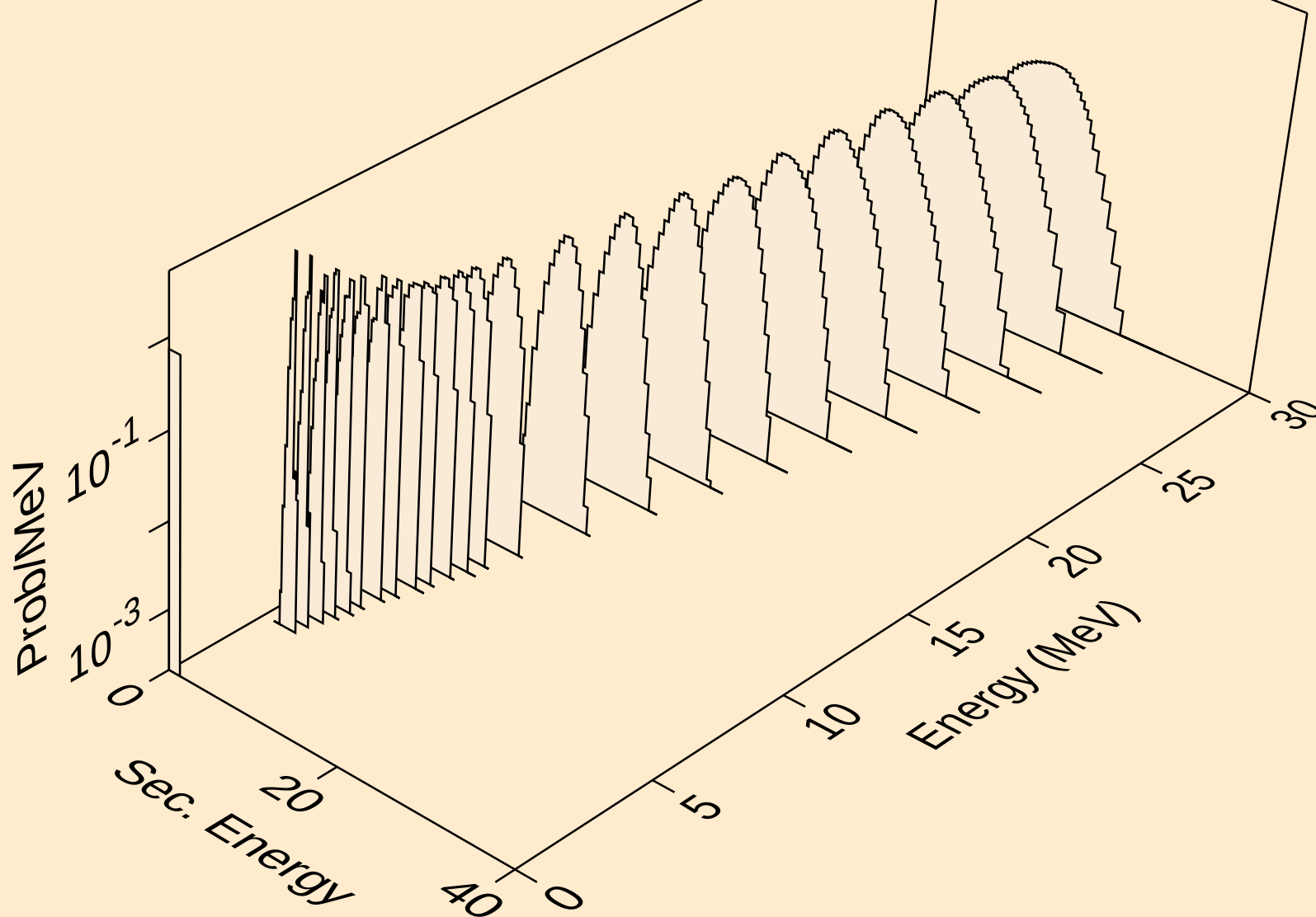
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deuterons from (n,d2a)



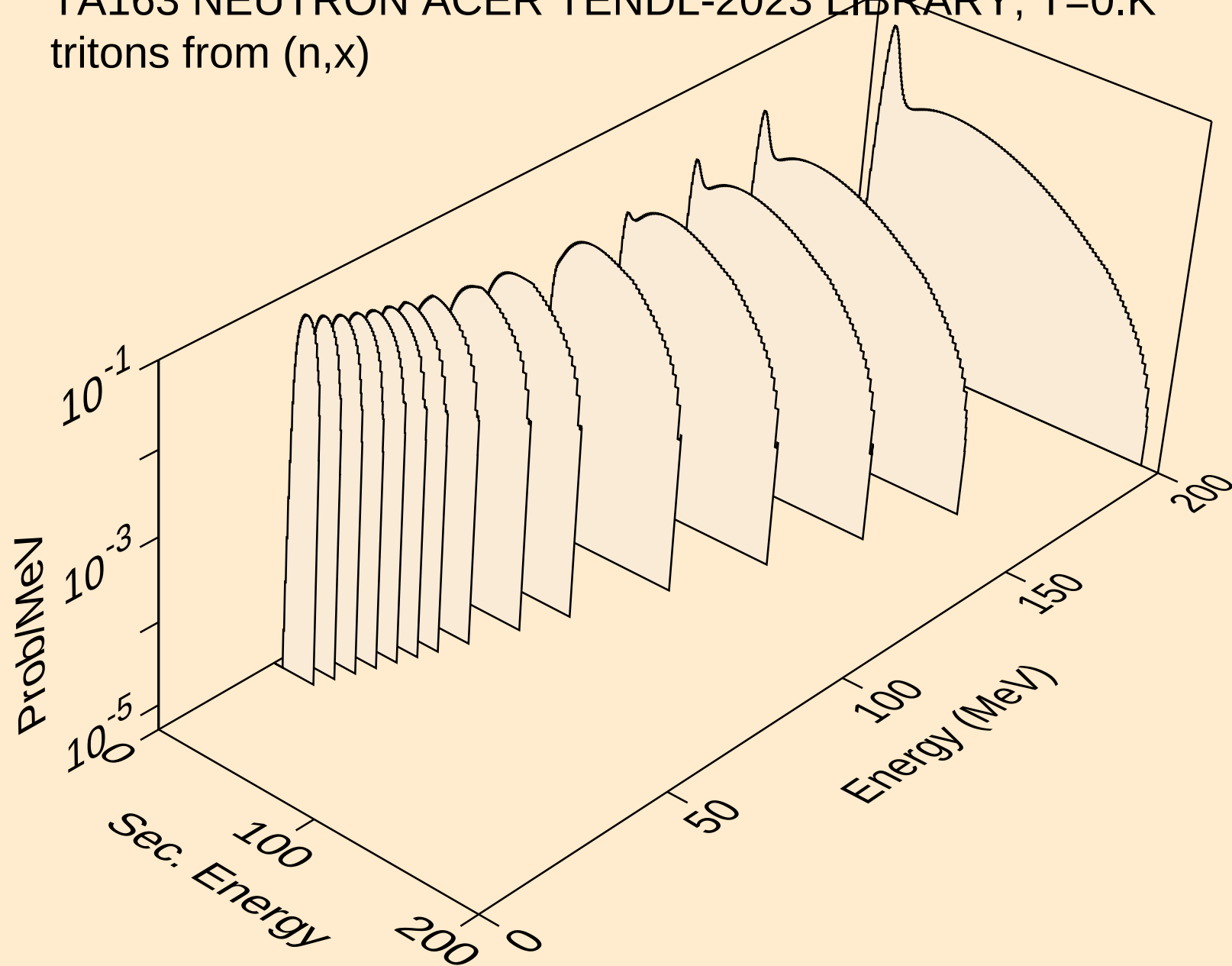
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deuterons from (n,pd)



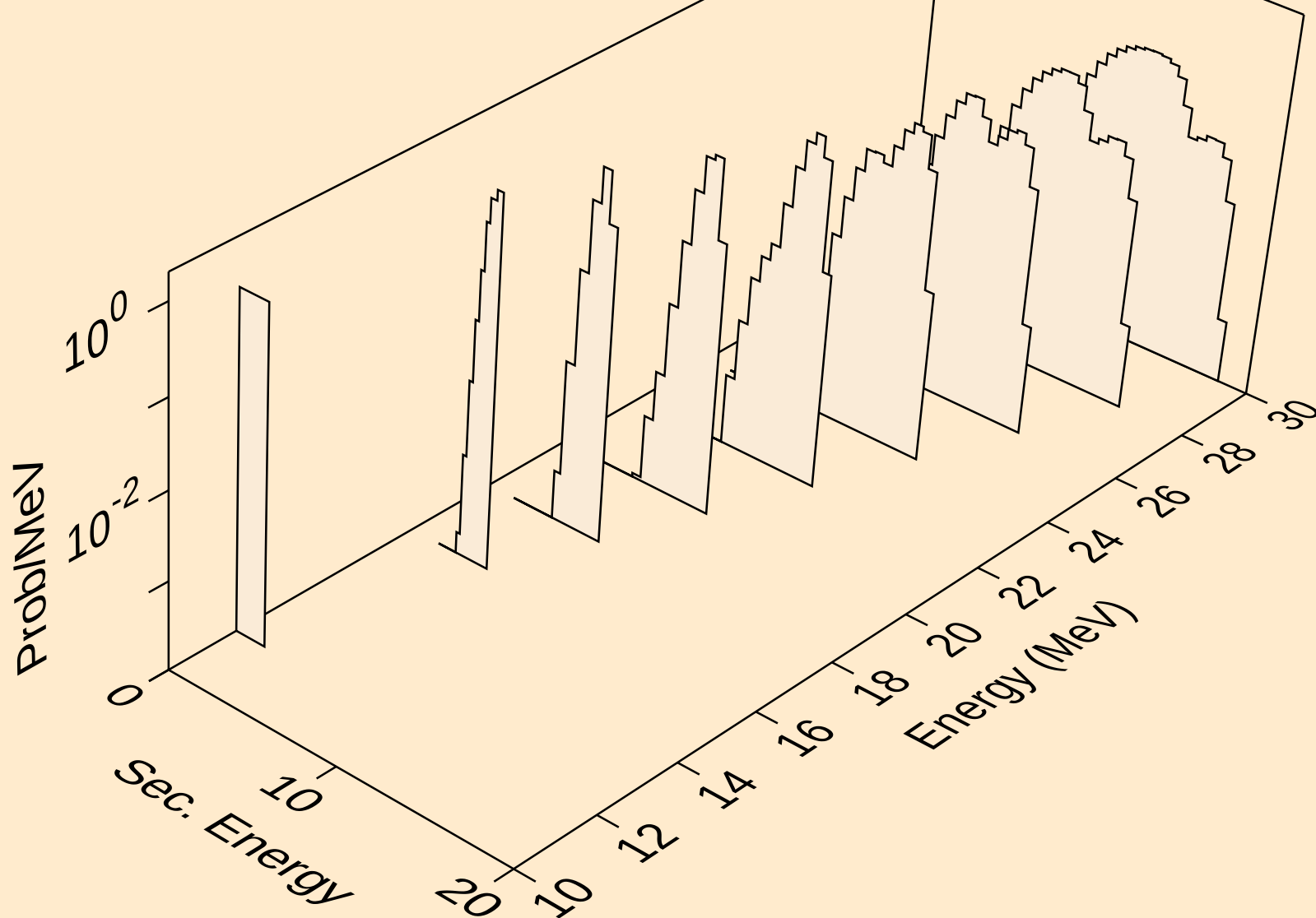
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deuterons from (n,da)



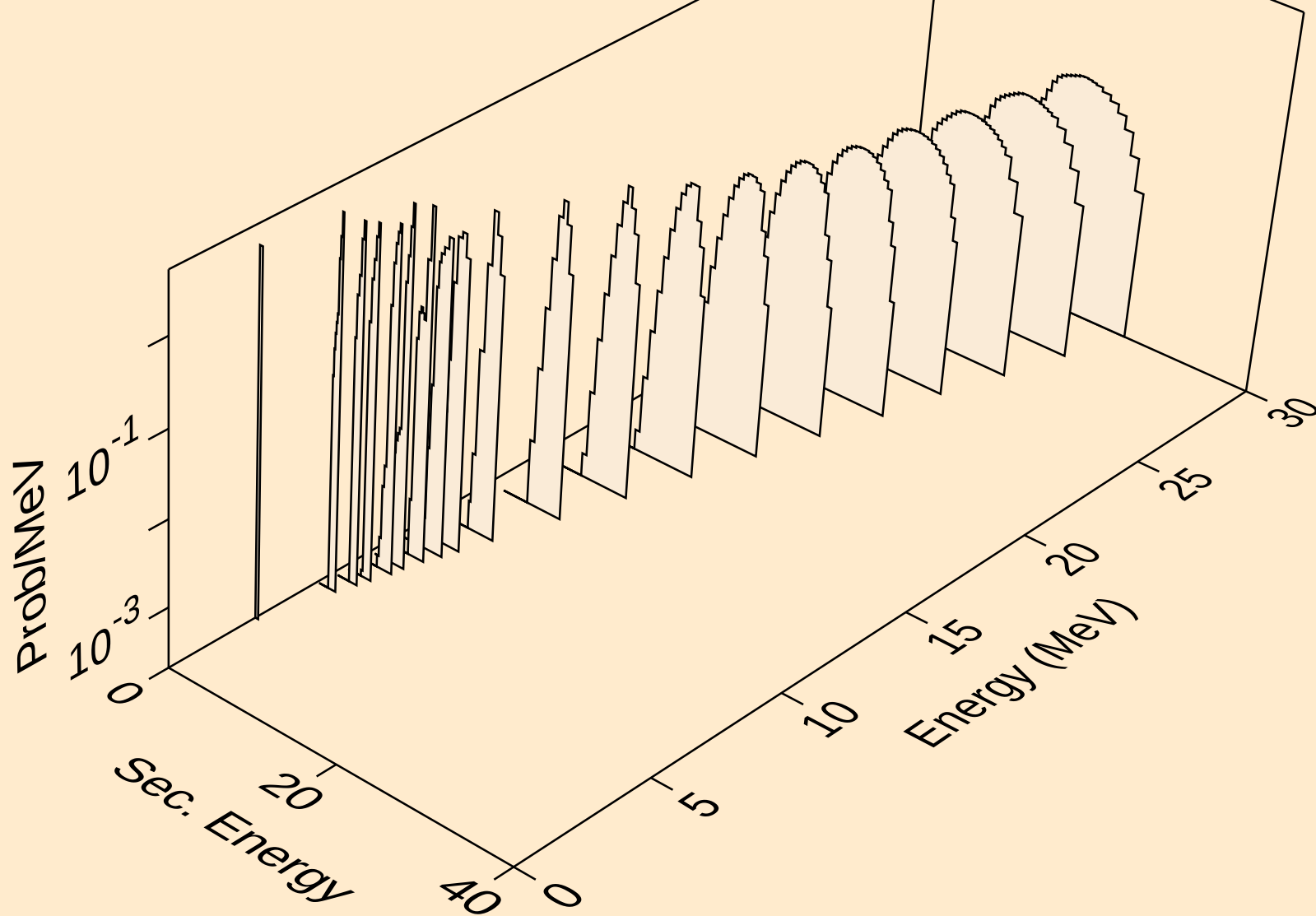
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tritons from (n,x)



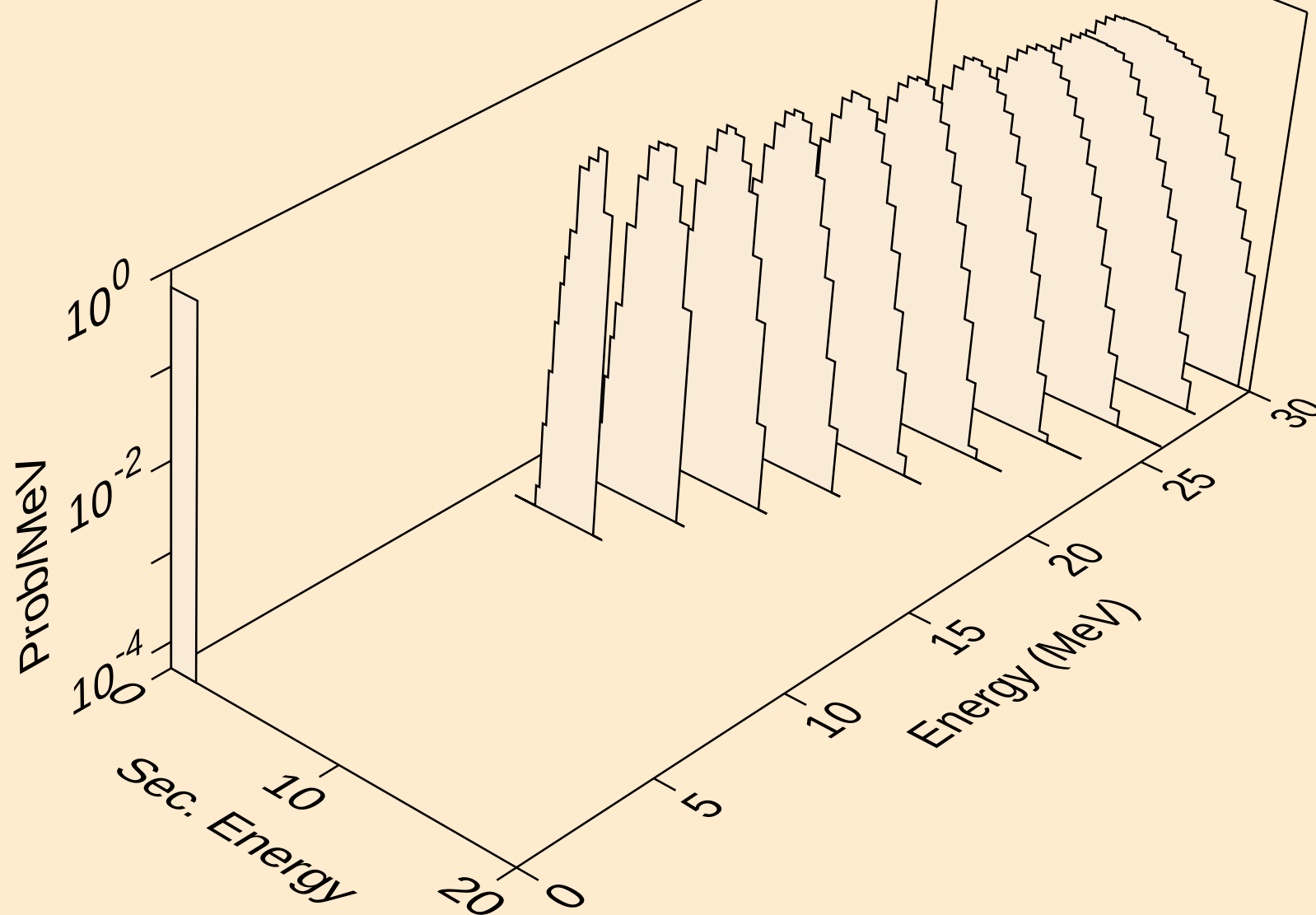
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tritons from (n,n*)t



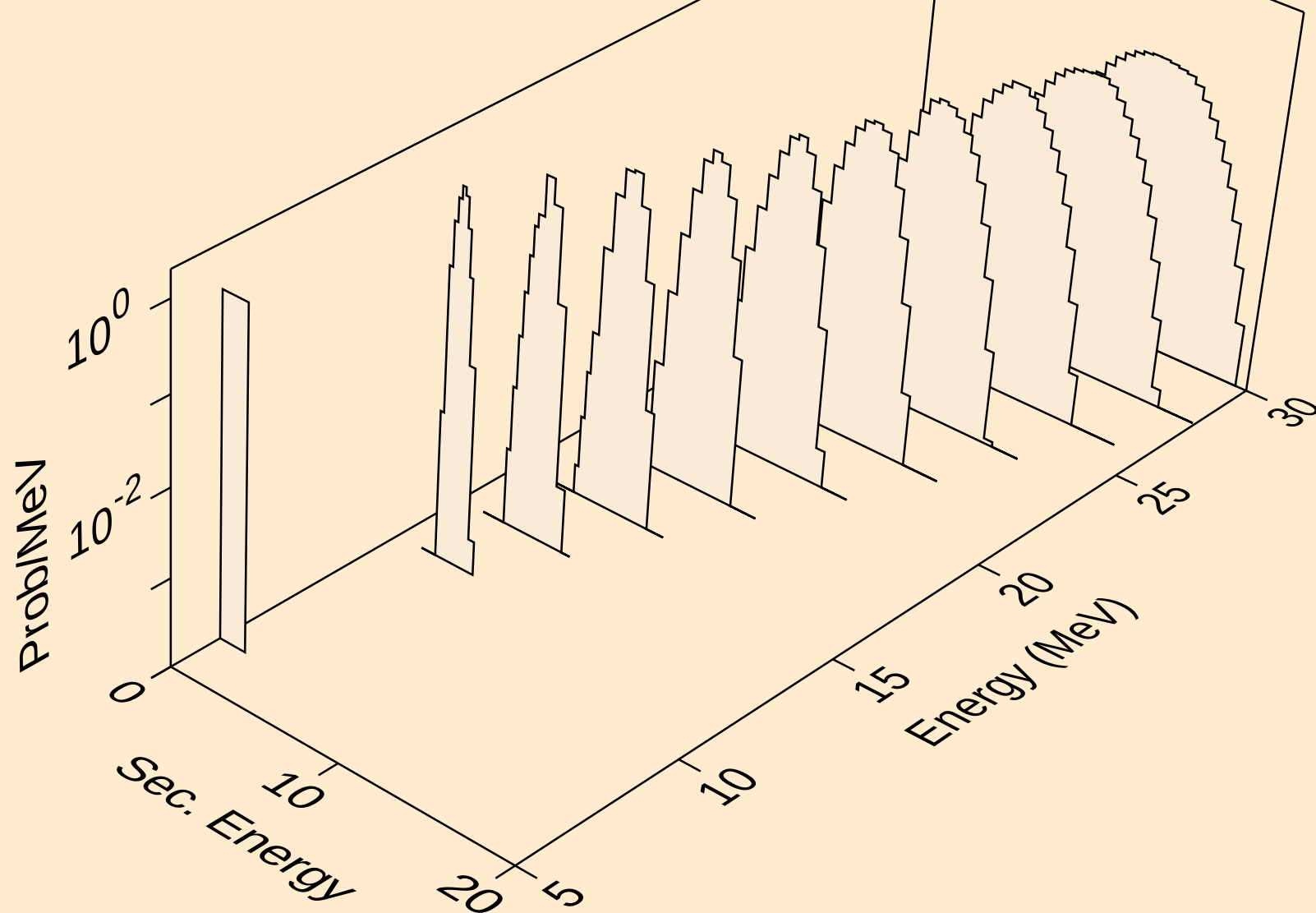
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tritons from (n,t)



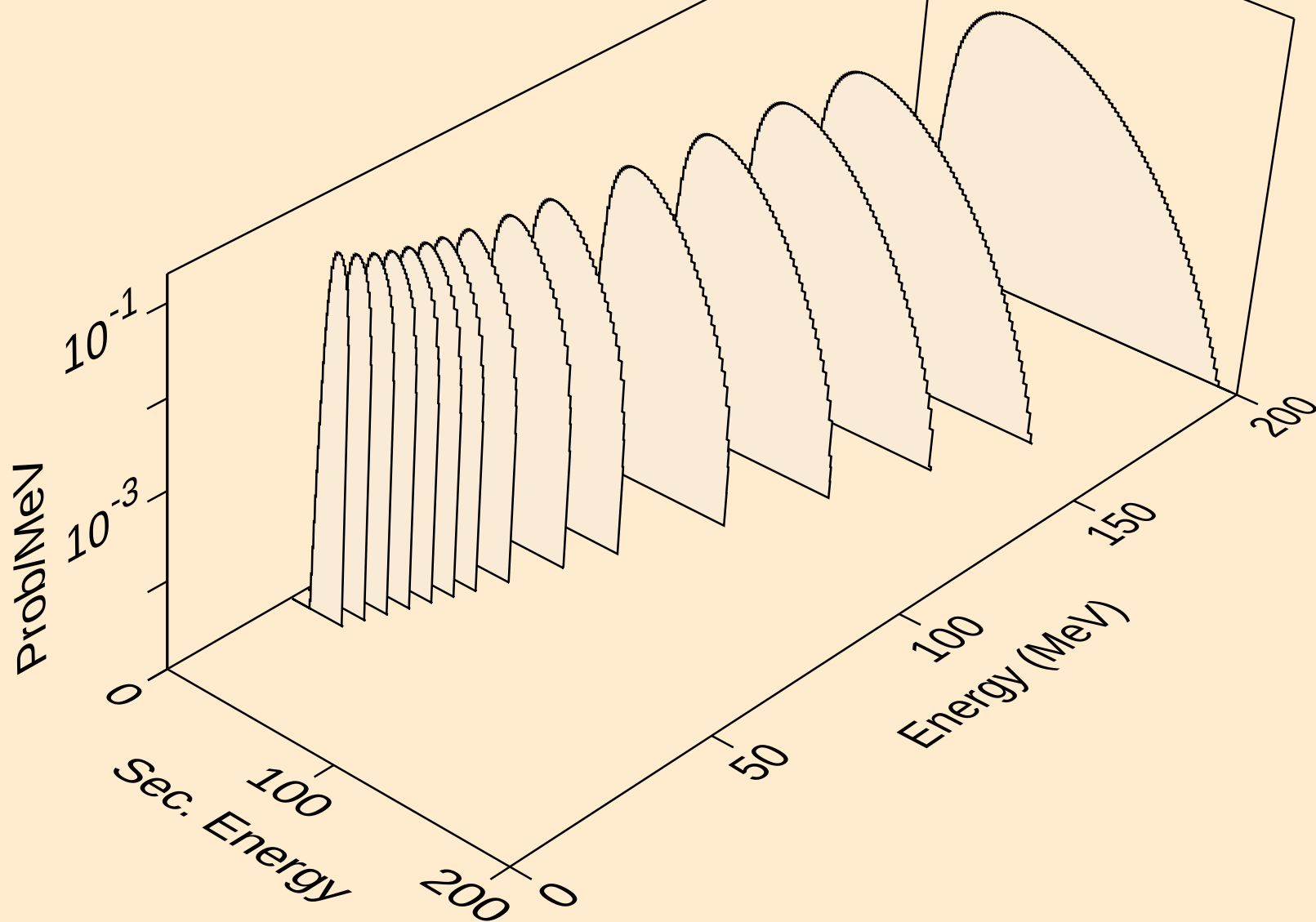
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tritons from (n,t2a)



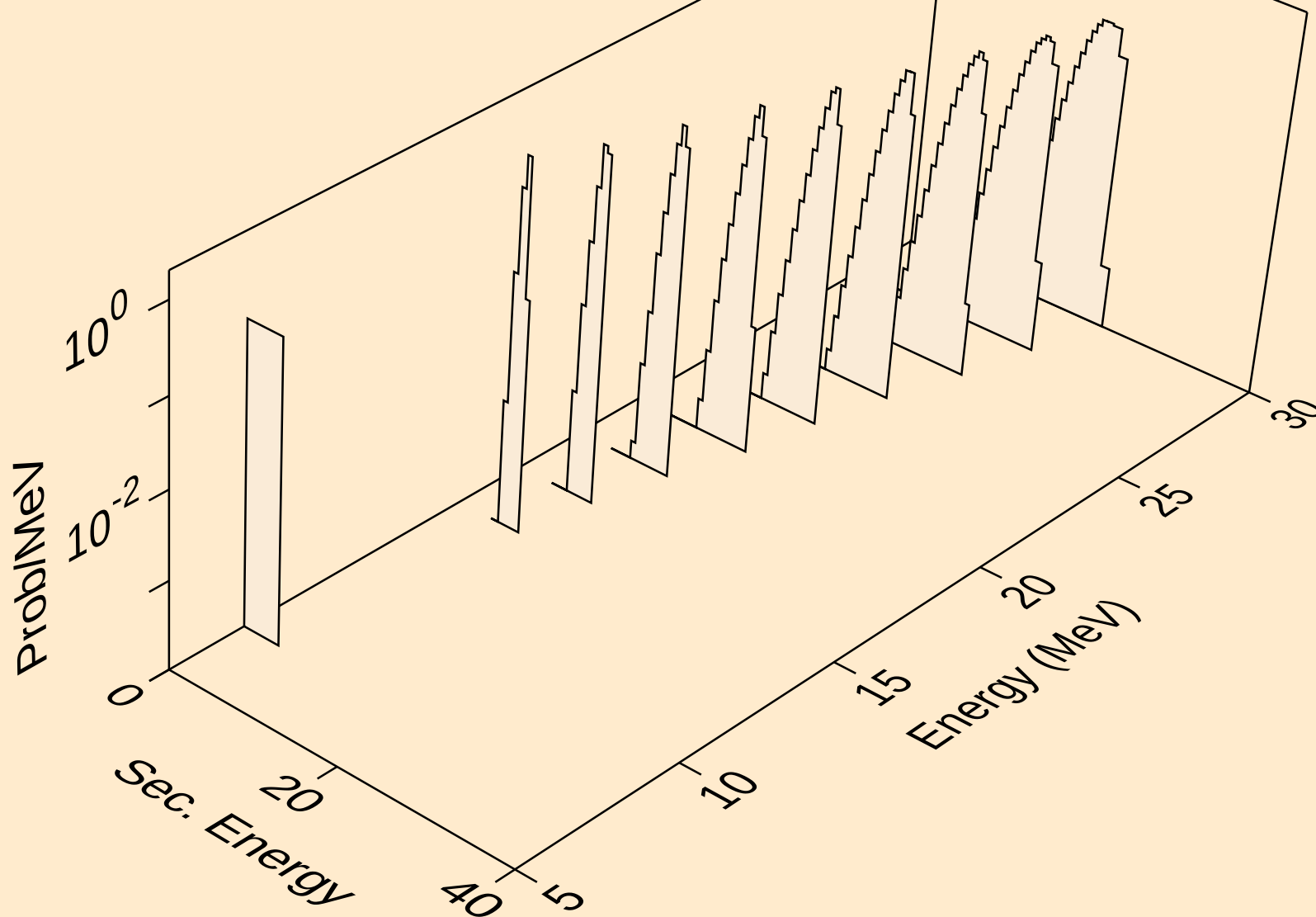
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tritons from (n,pt)



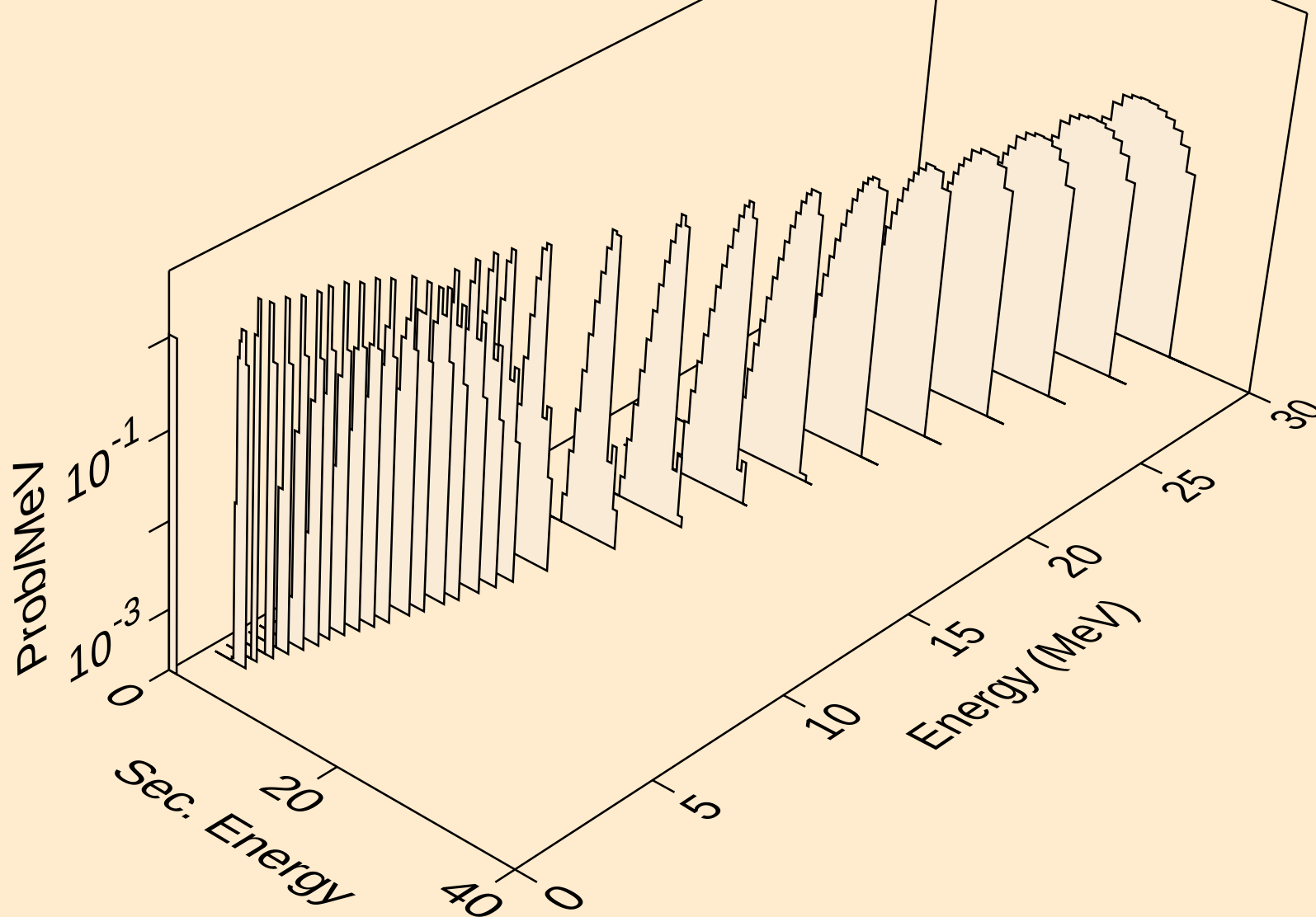
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he3s from (n,x)



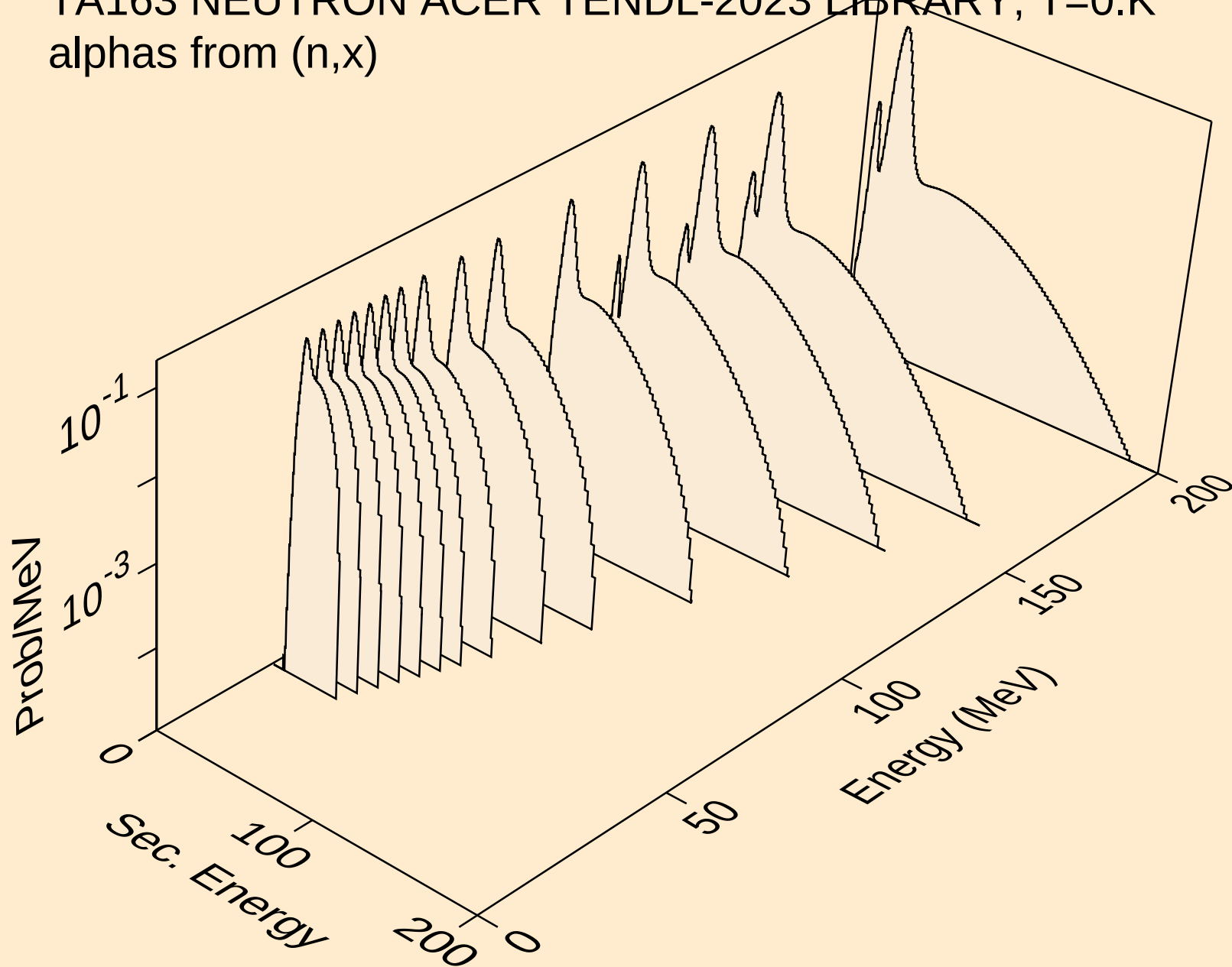
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he3s from (n,n*)he3



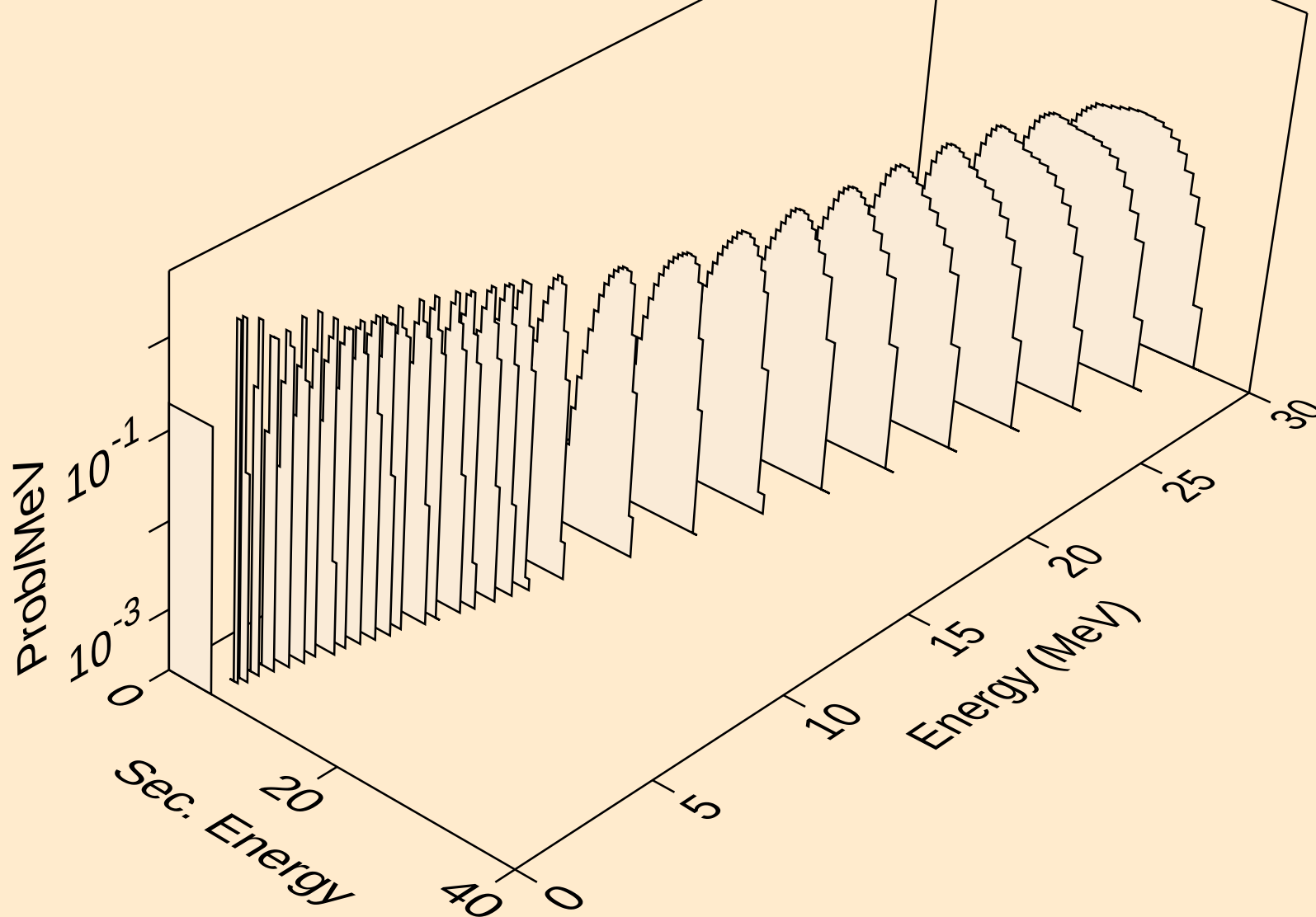
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he3s from (n,he3)



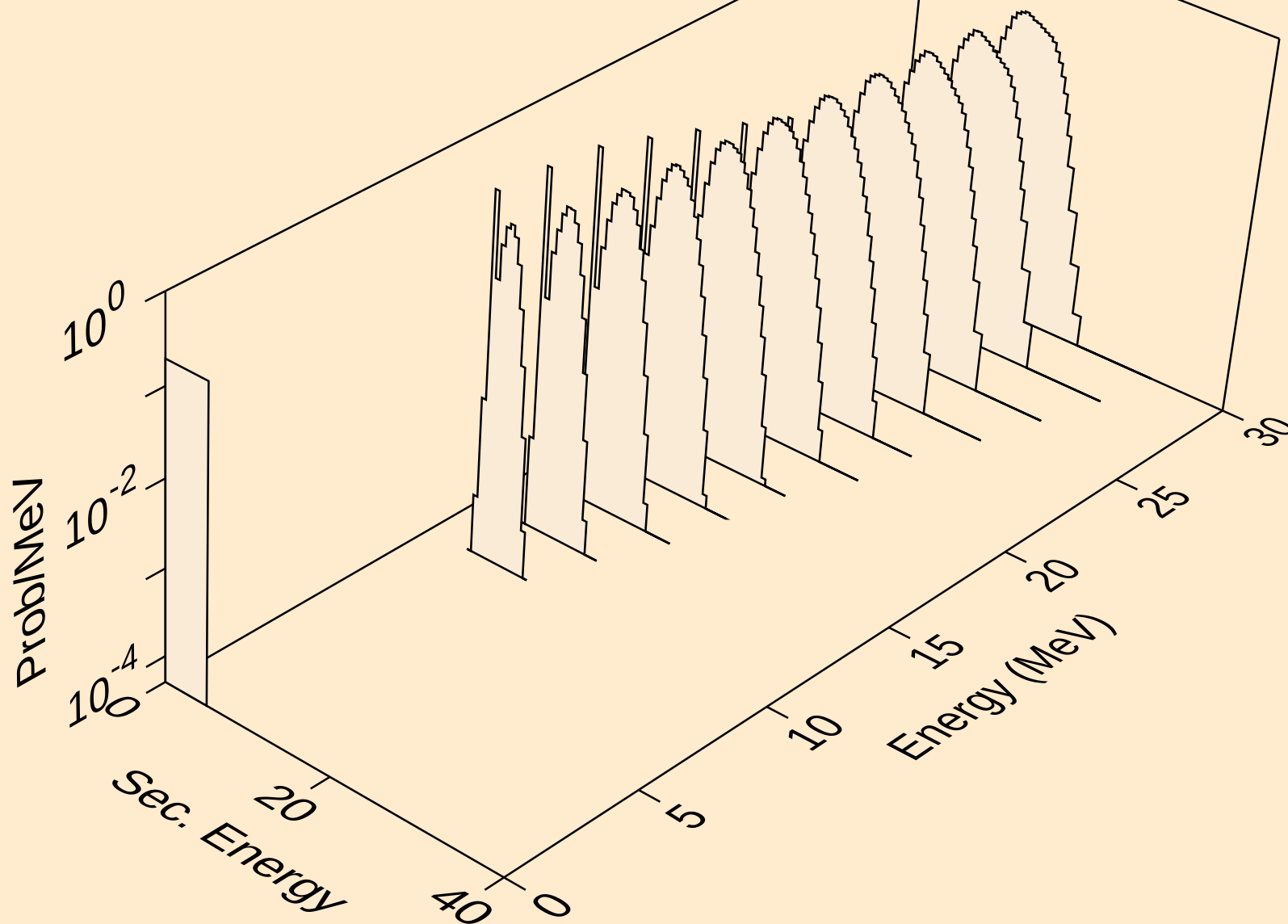
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alphas from (n,x)



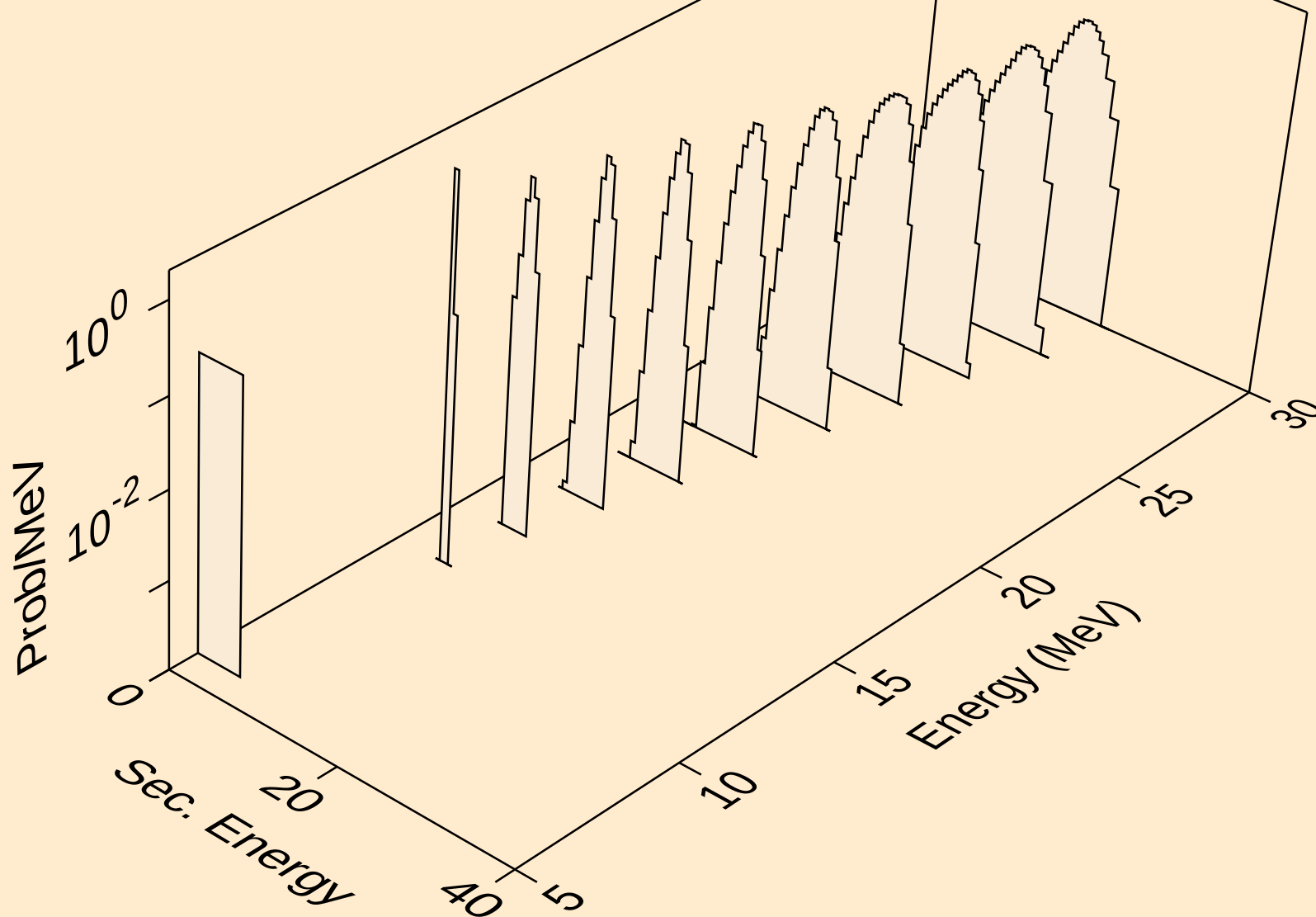
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alphas from (n,n*)a



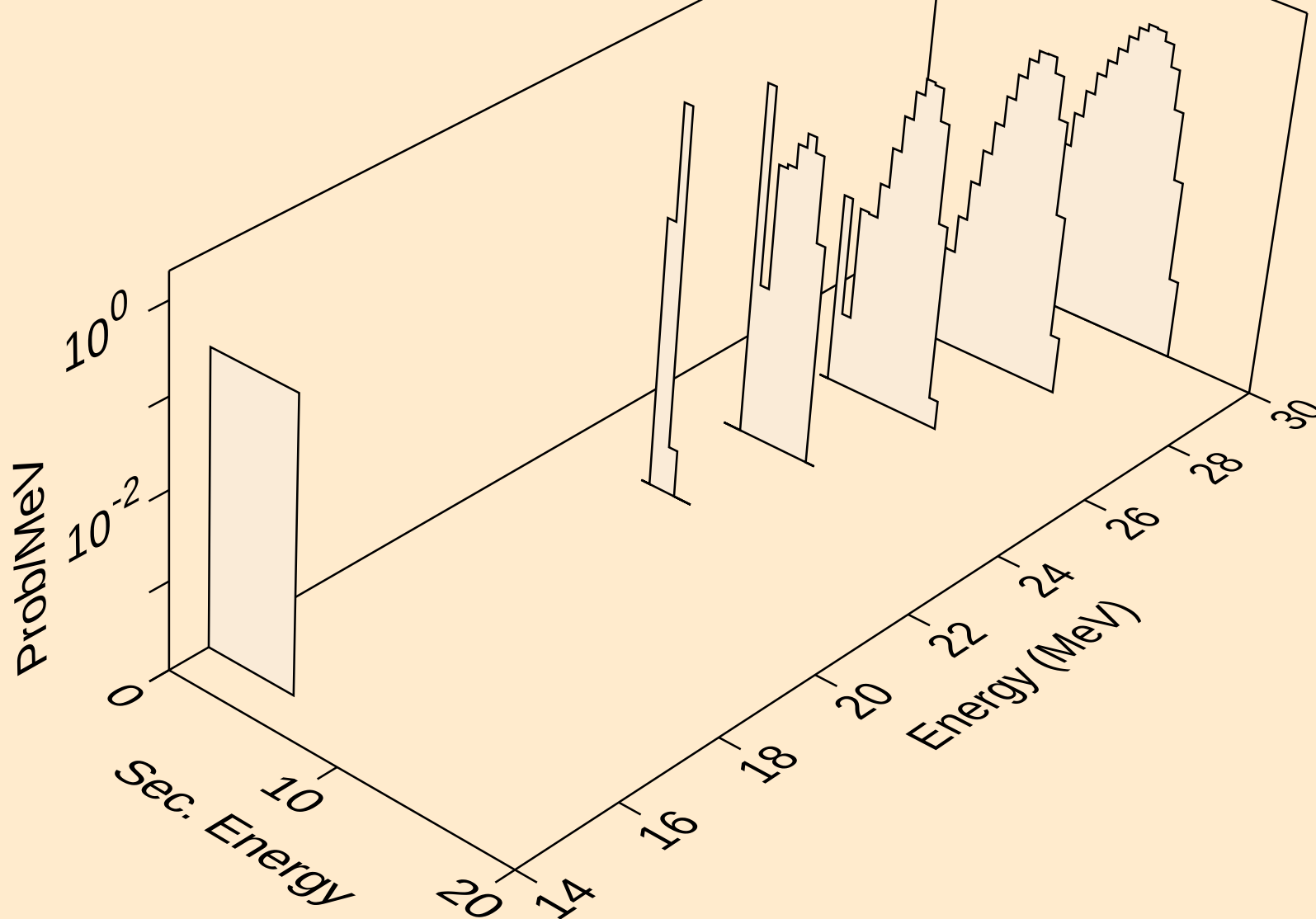
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)3a



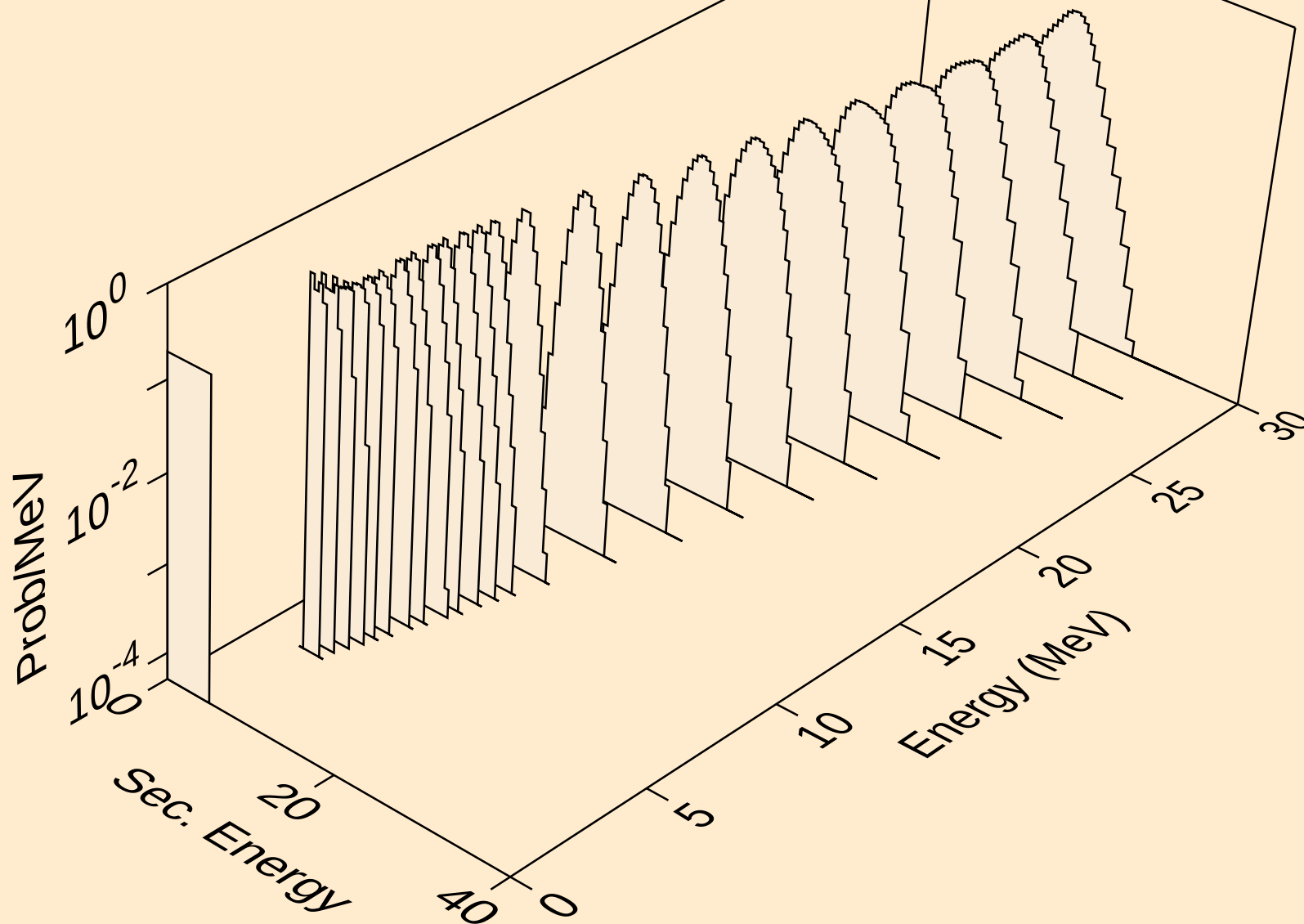
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alphas from (n,2n)a



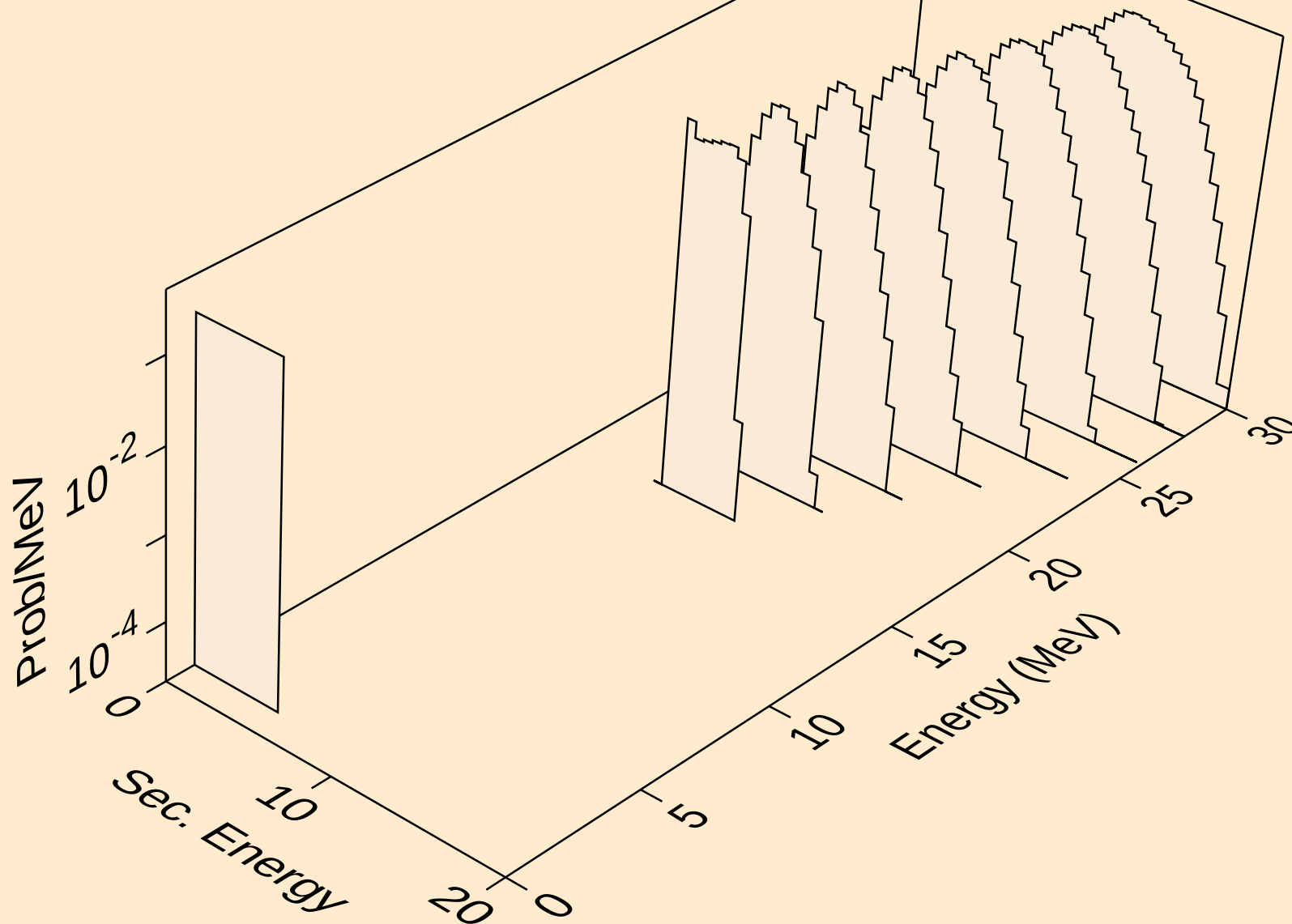
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alphas from (n,3n)a



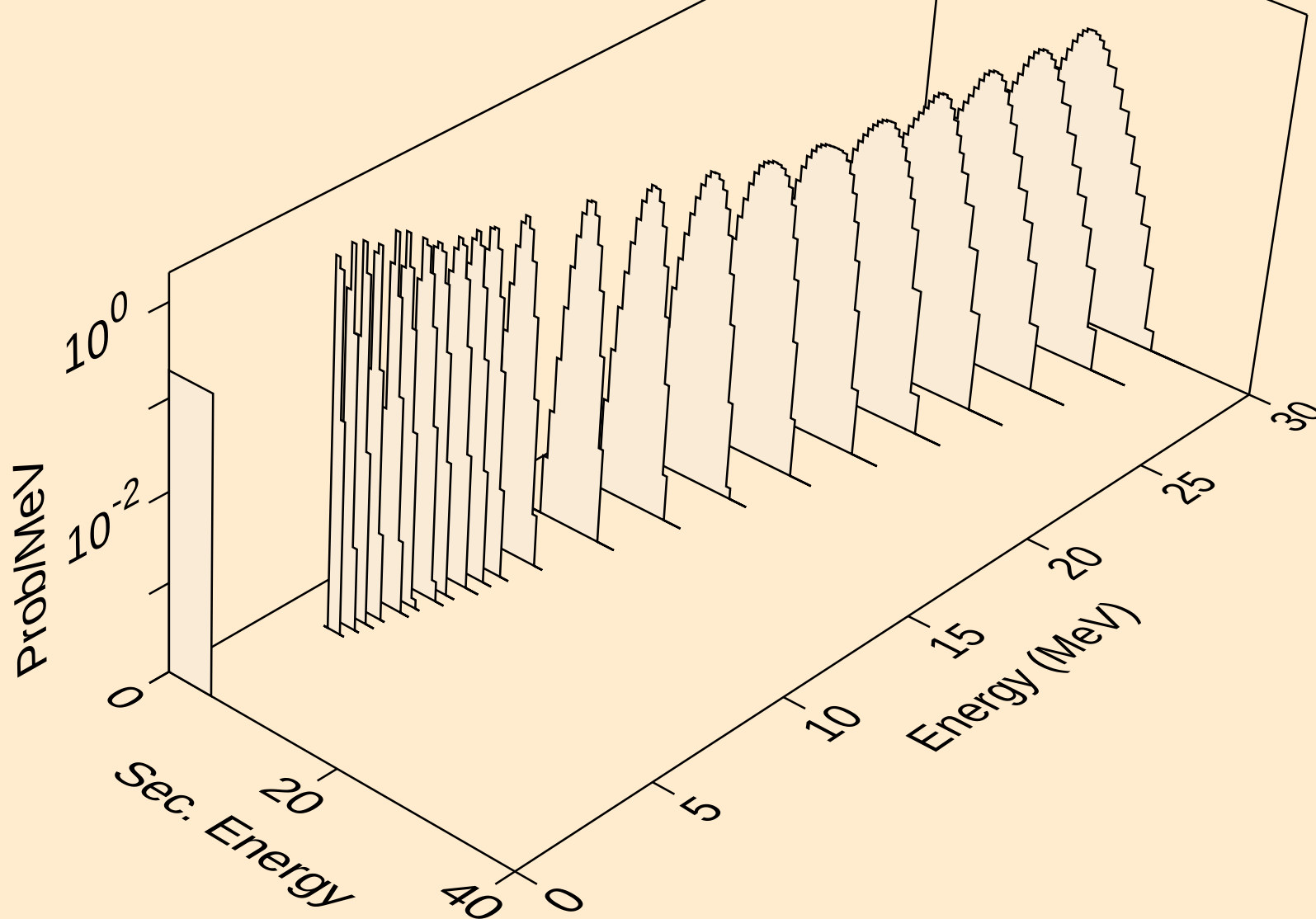
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alphas from (n,n*)2a



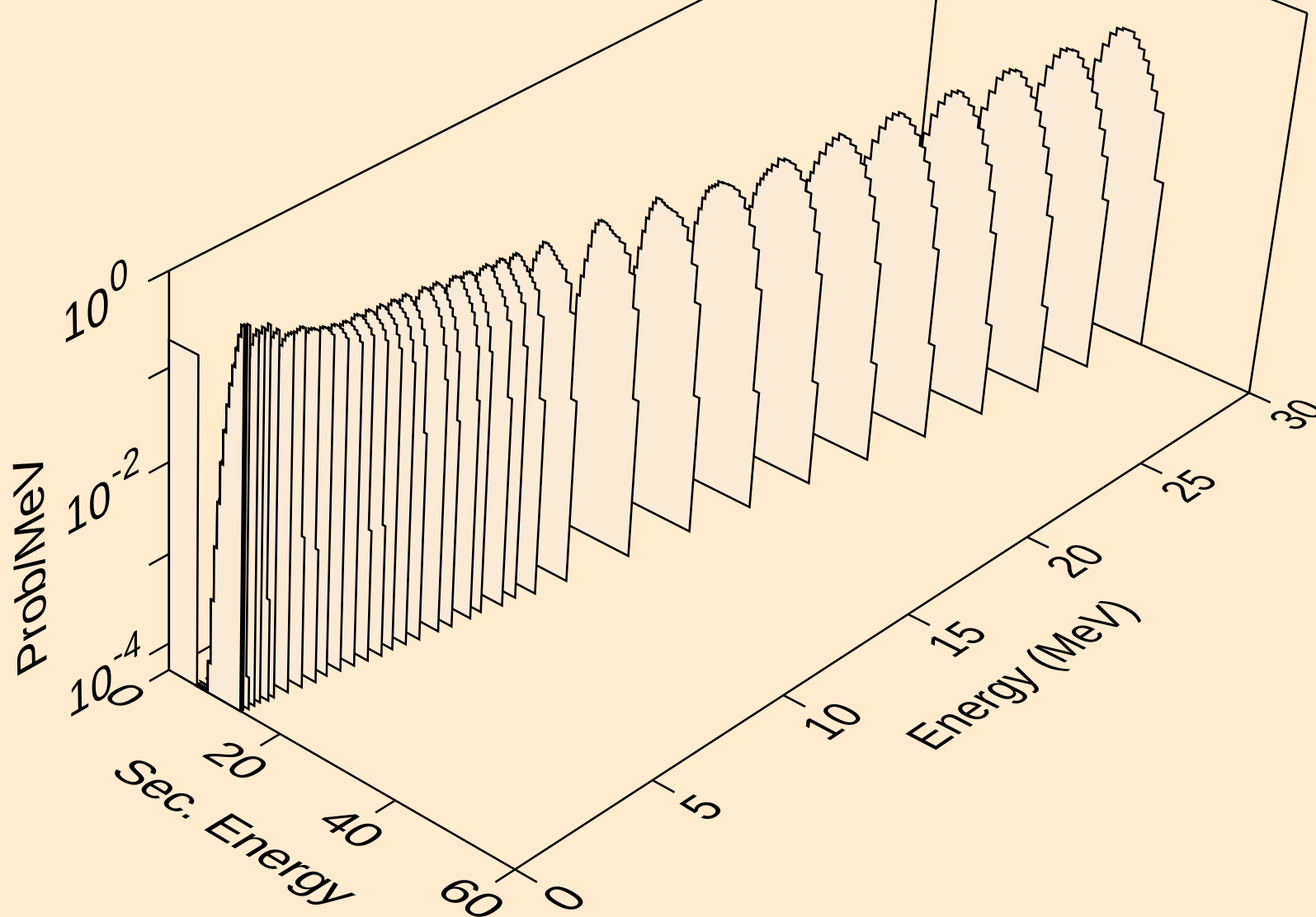
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



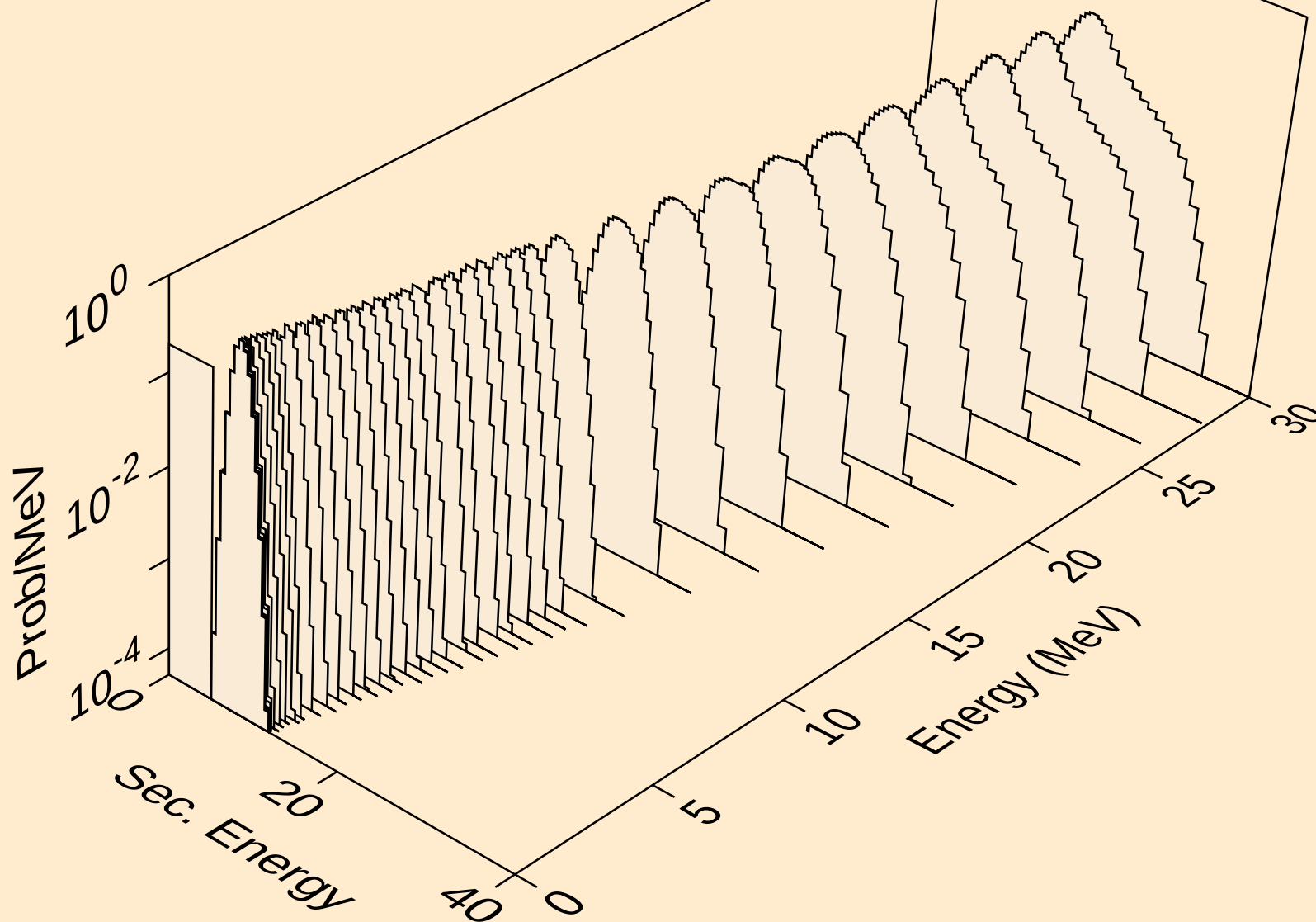
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alphas from (n,npa)



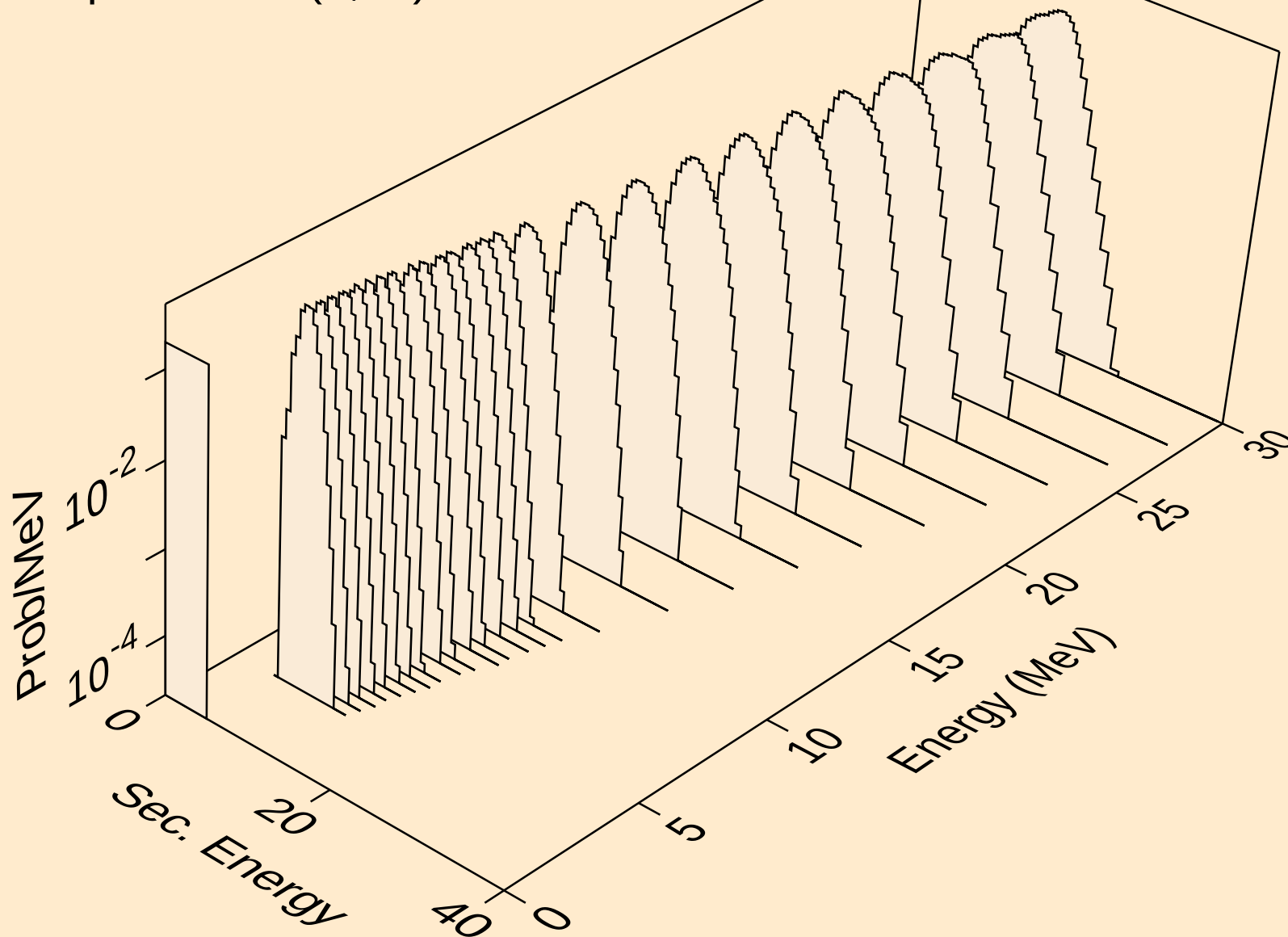
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alphas from (n,a)



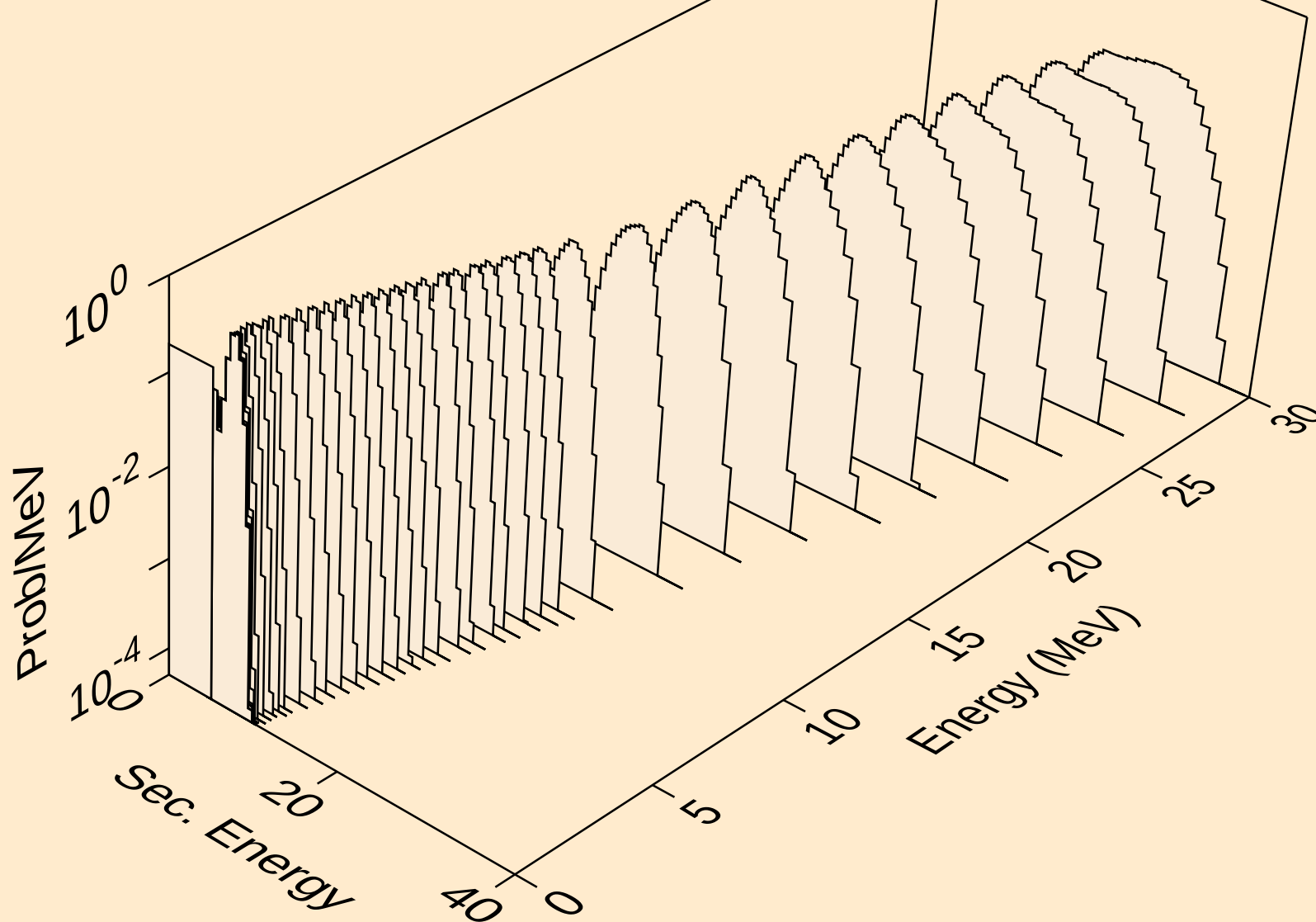
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alphas from (n,2a)



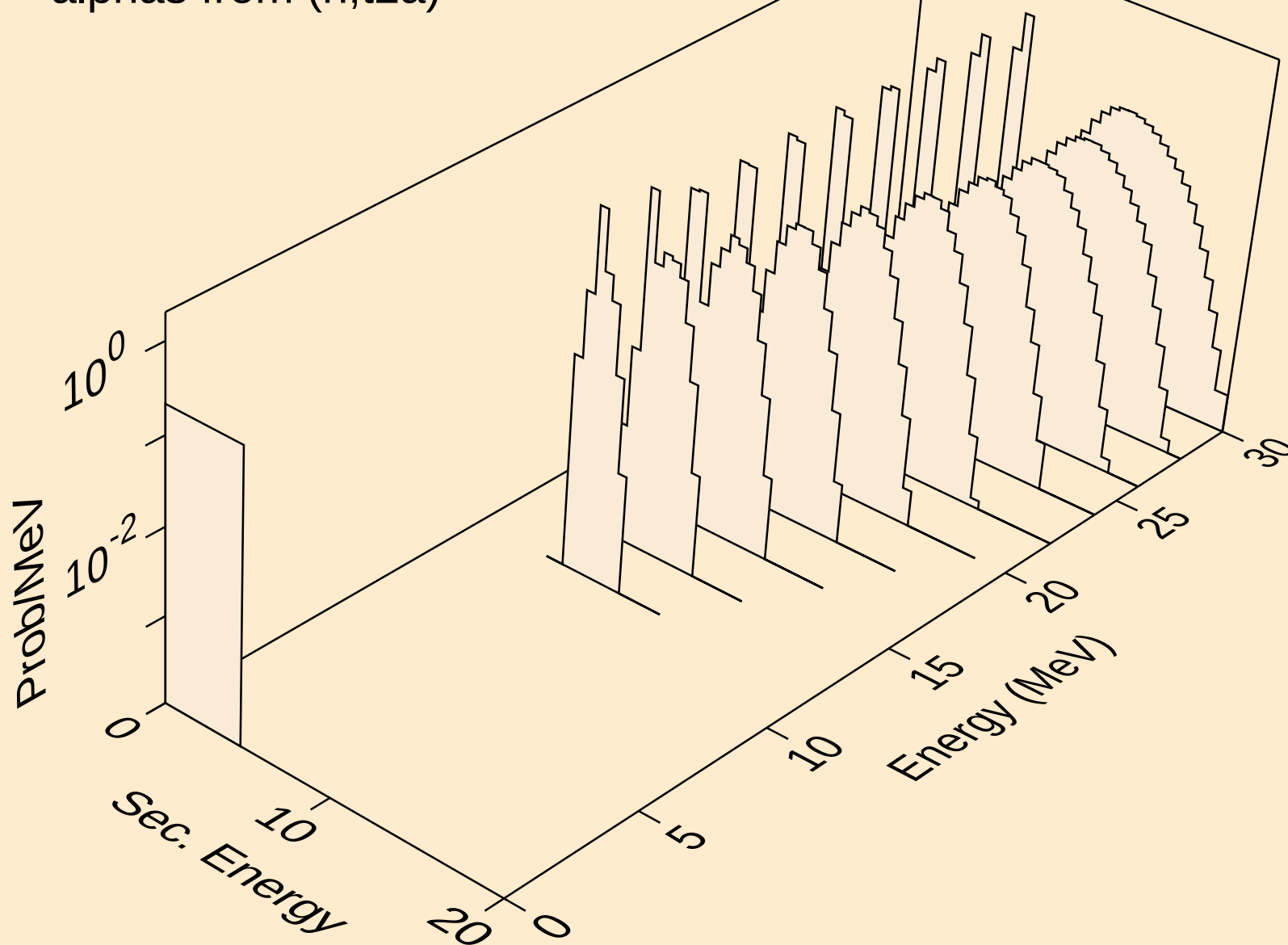
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alphas from (n,3a)



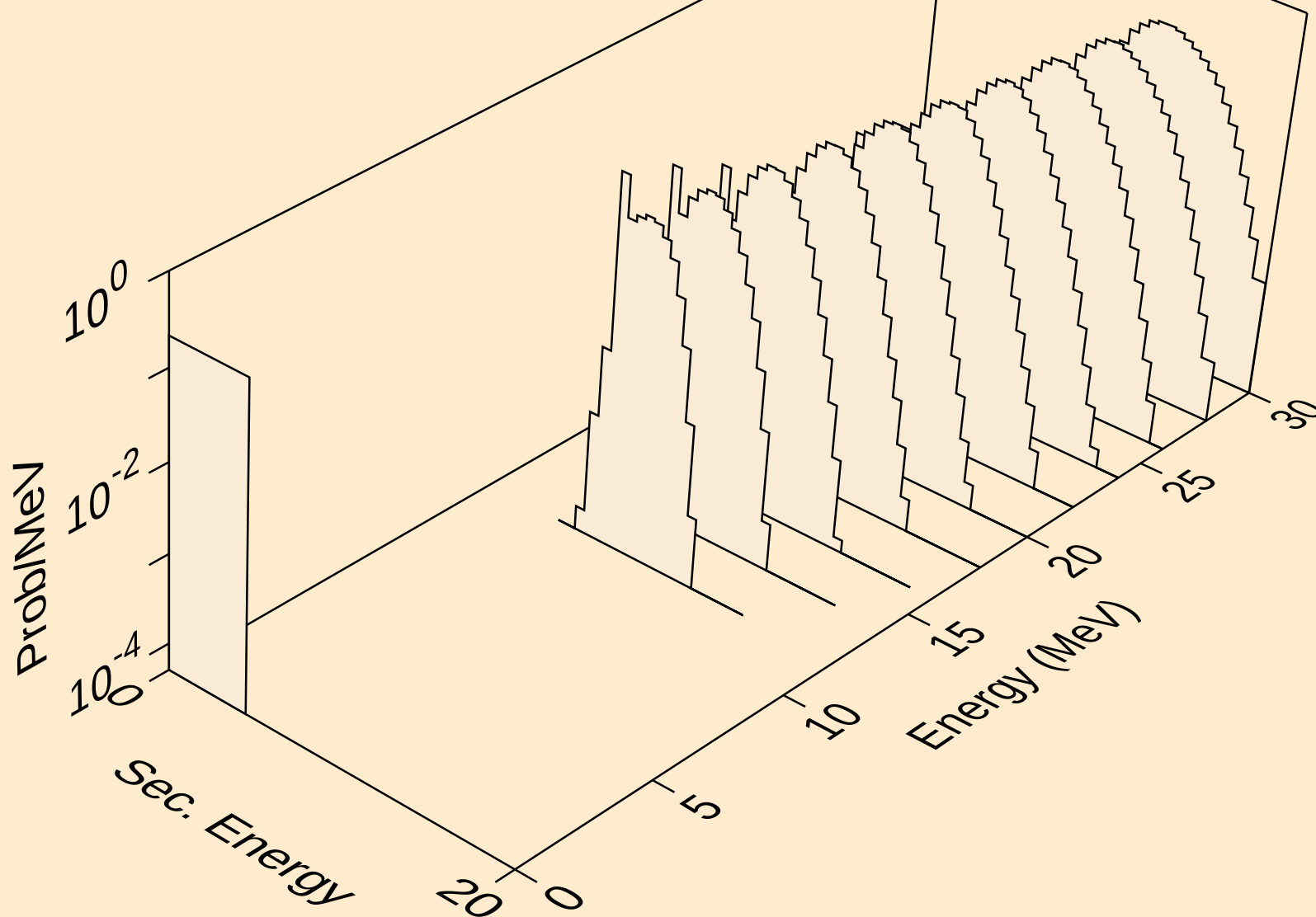
TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,t2a)



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,d2a)



TA163 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

