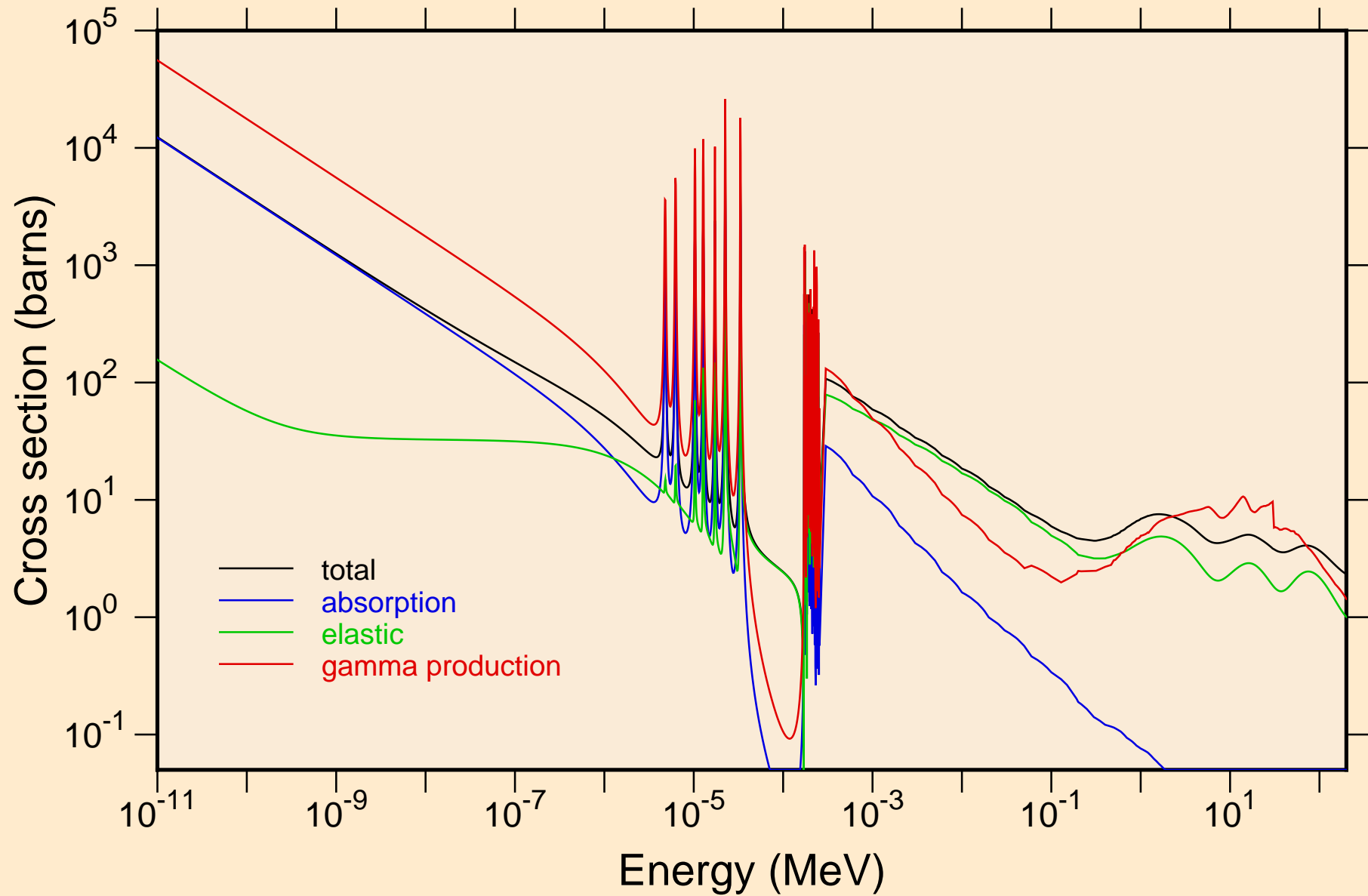
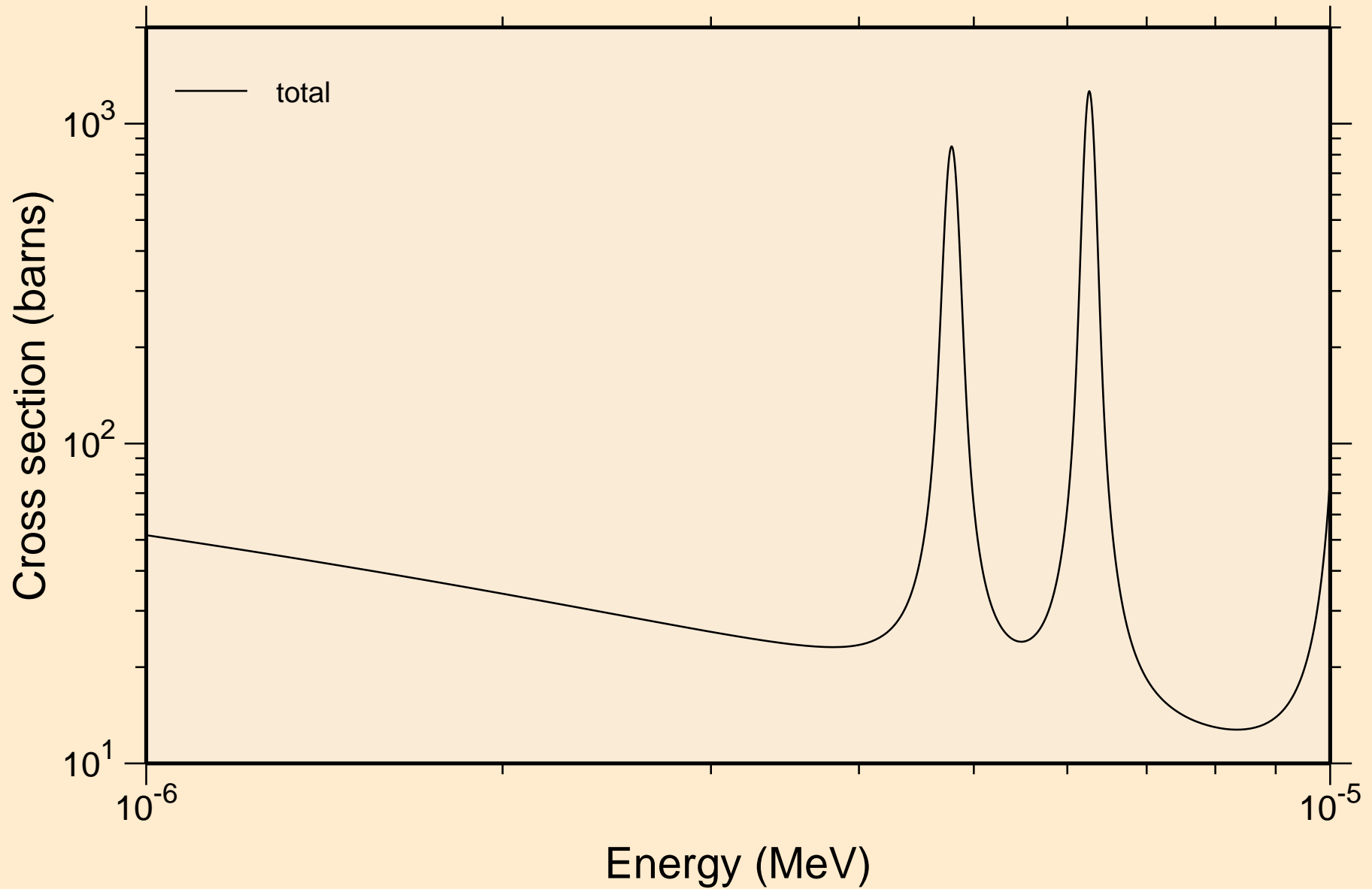


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

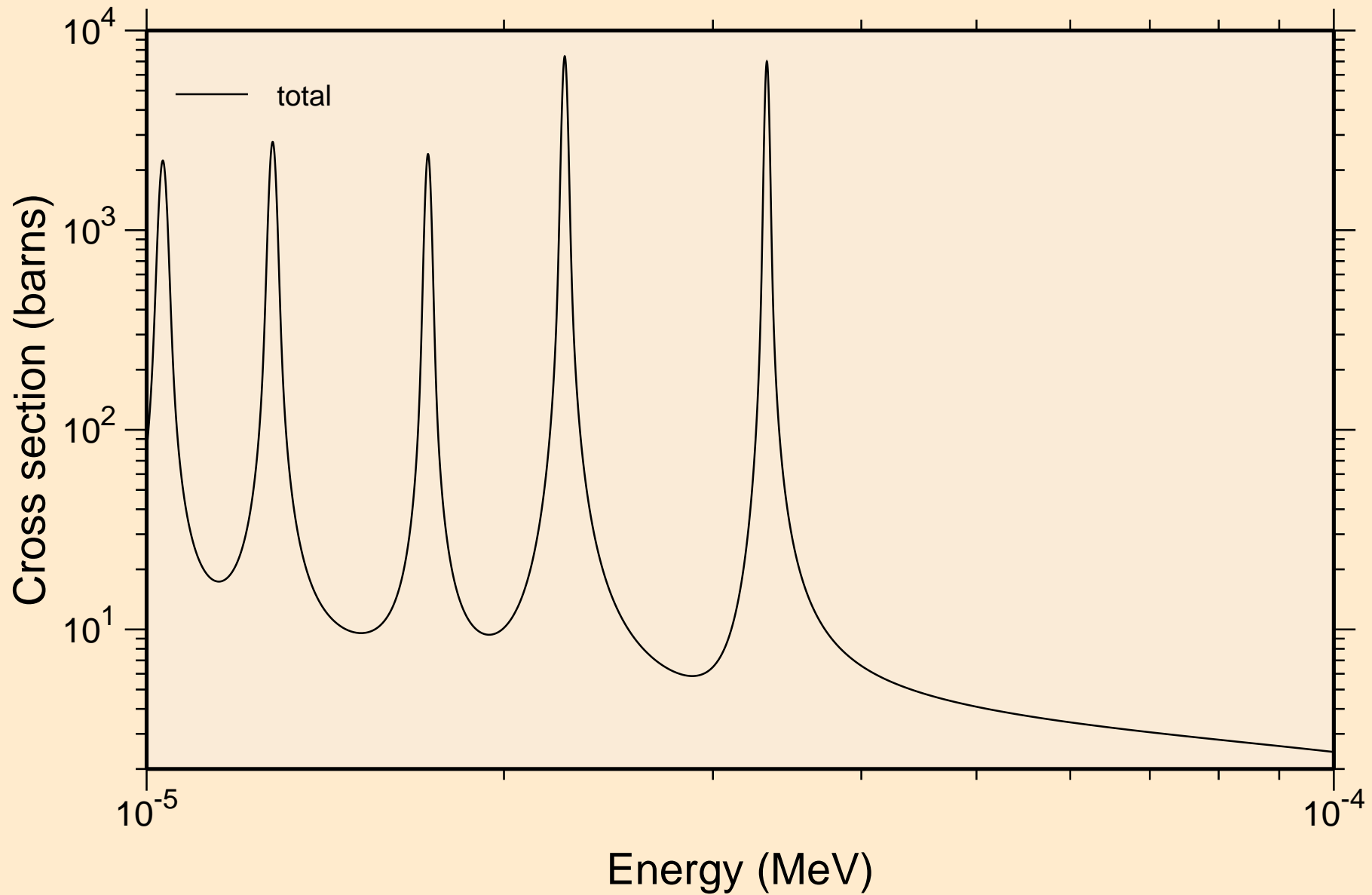
Principal cross sections



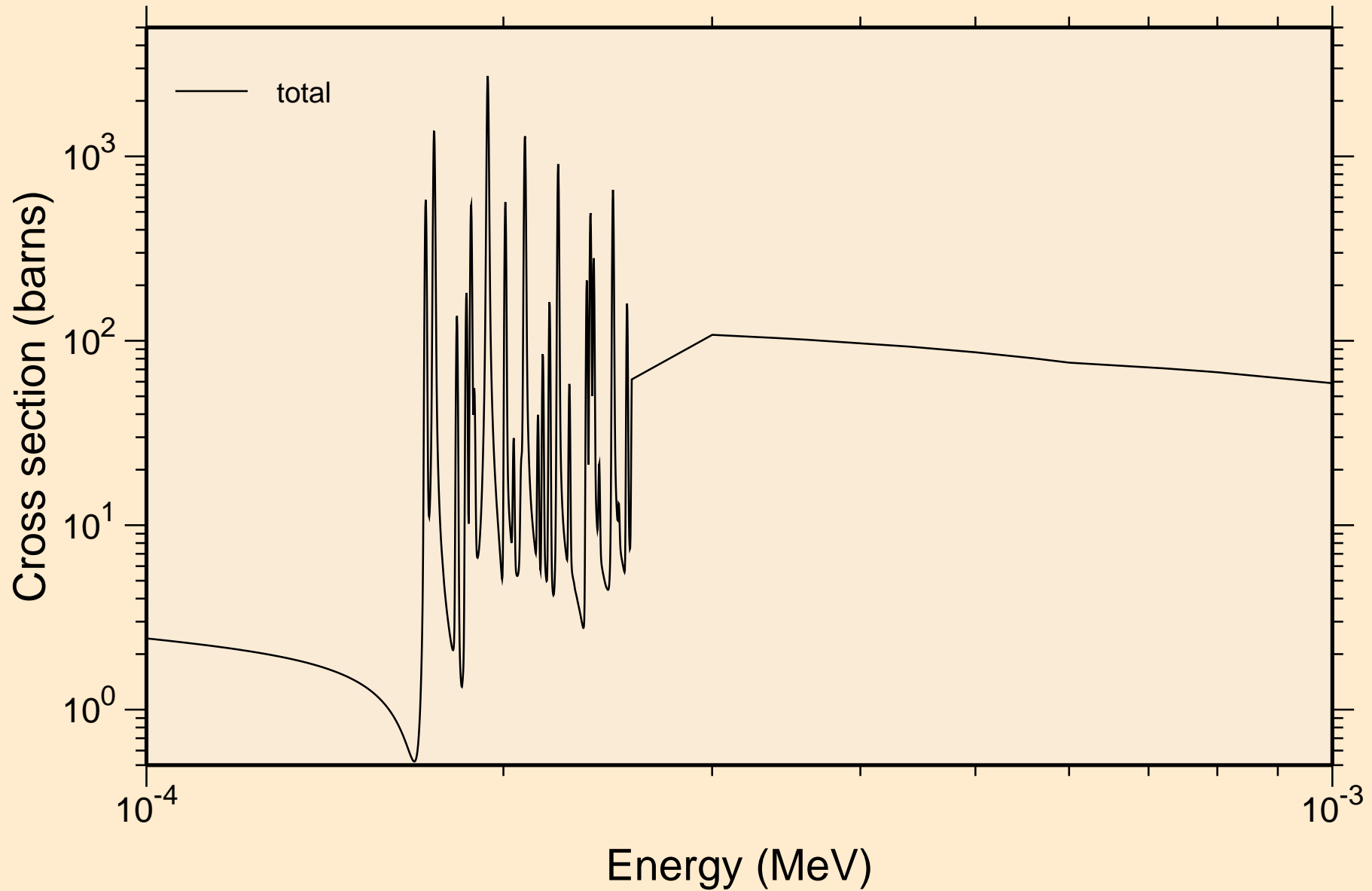
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section



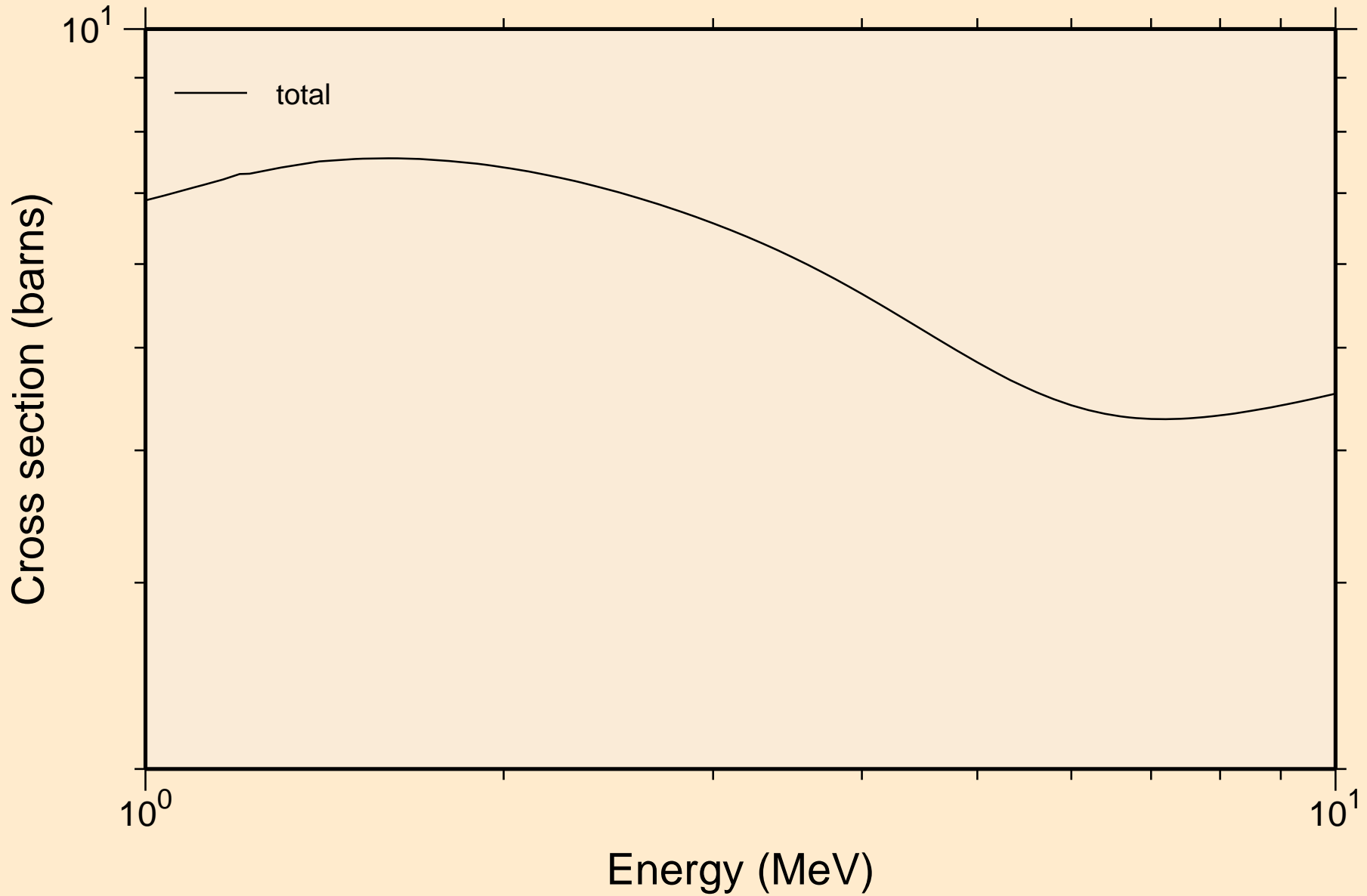
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section



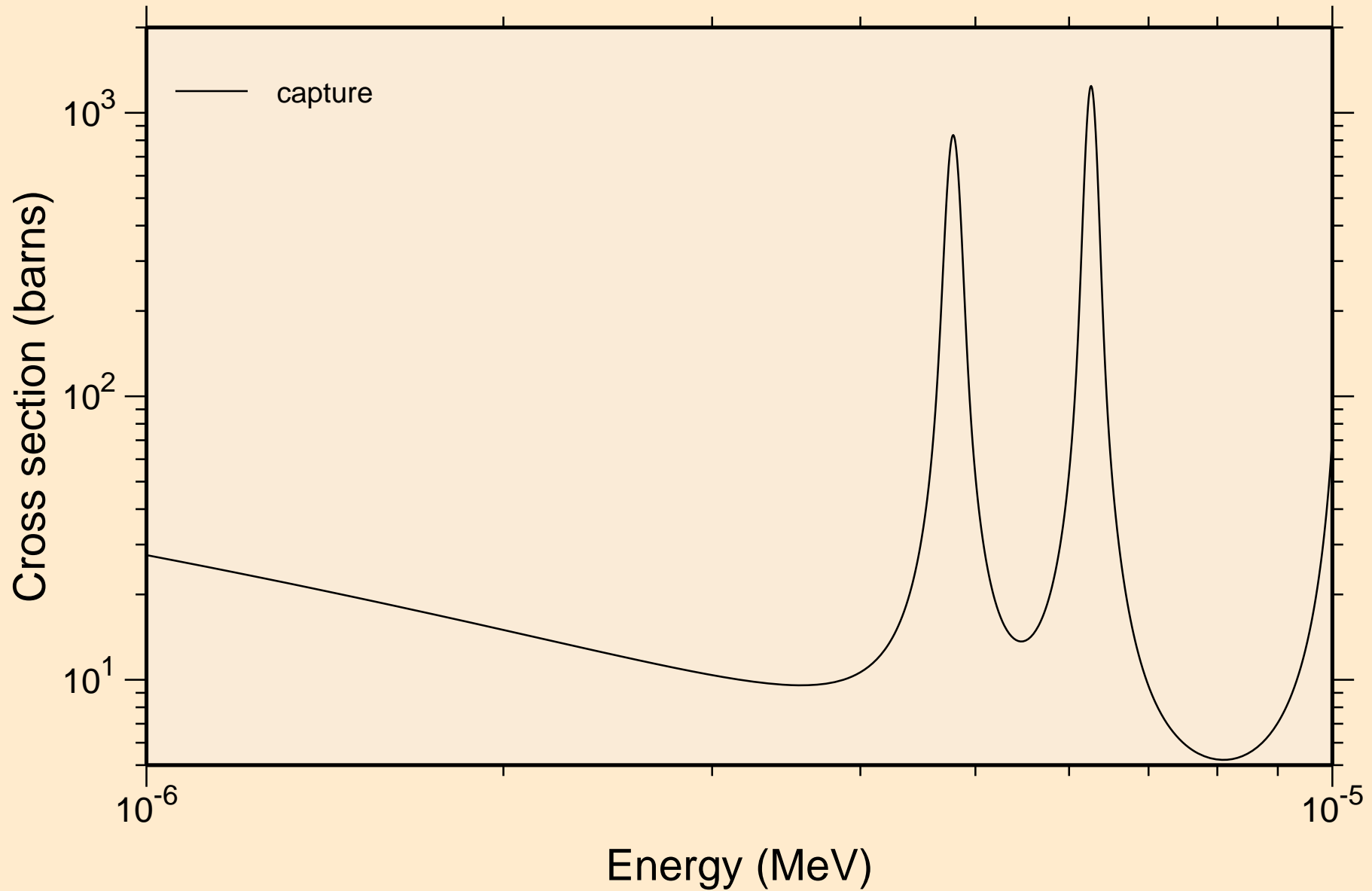
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section



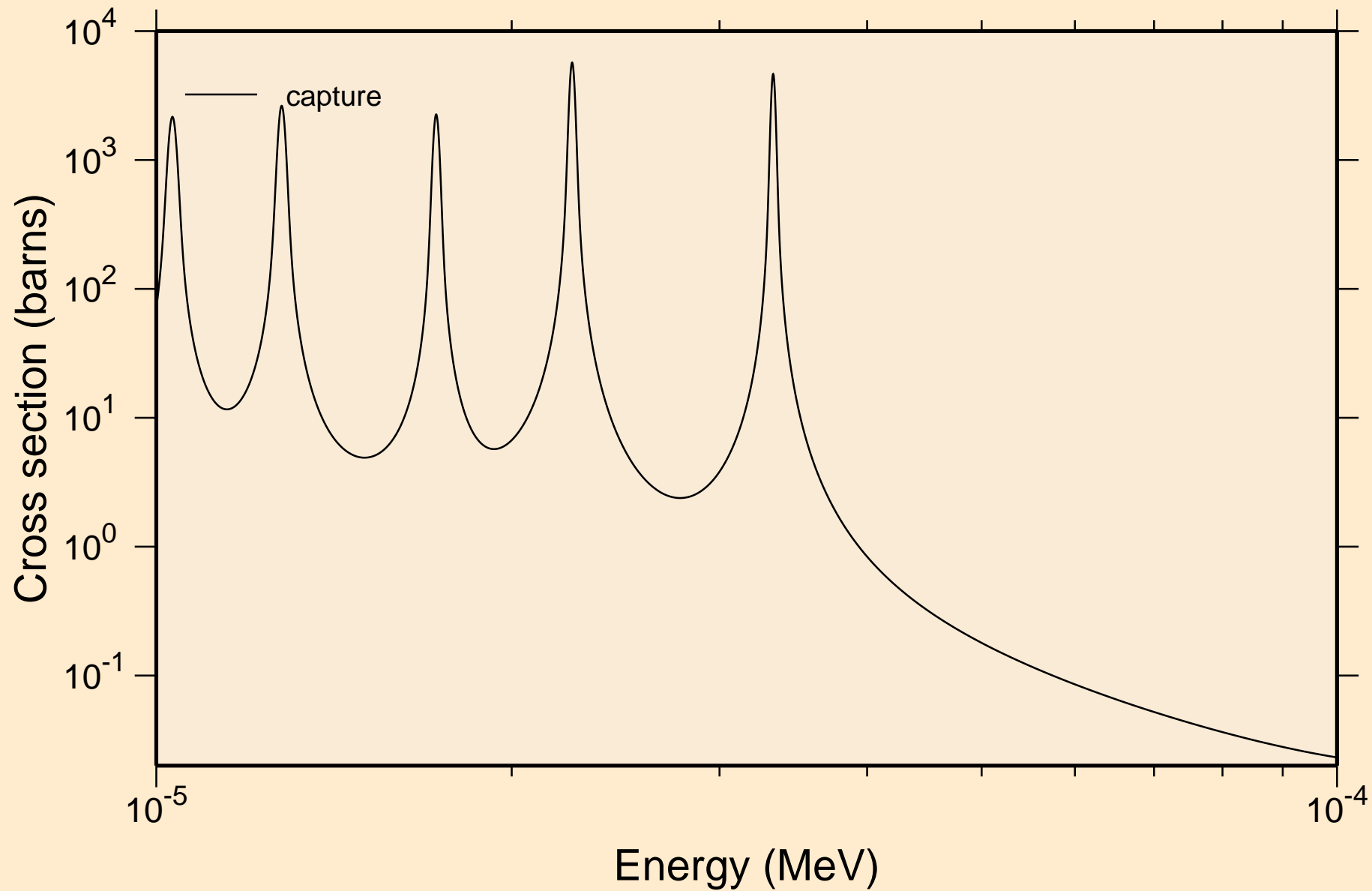
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section



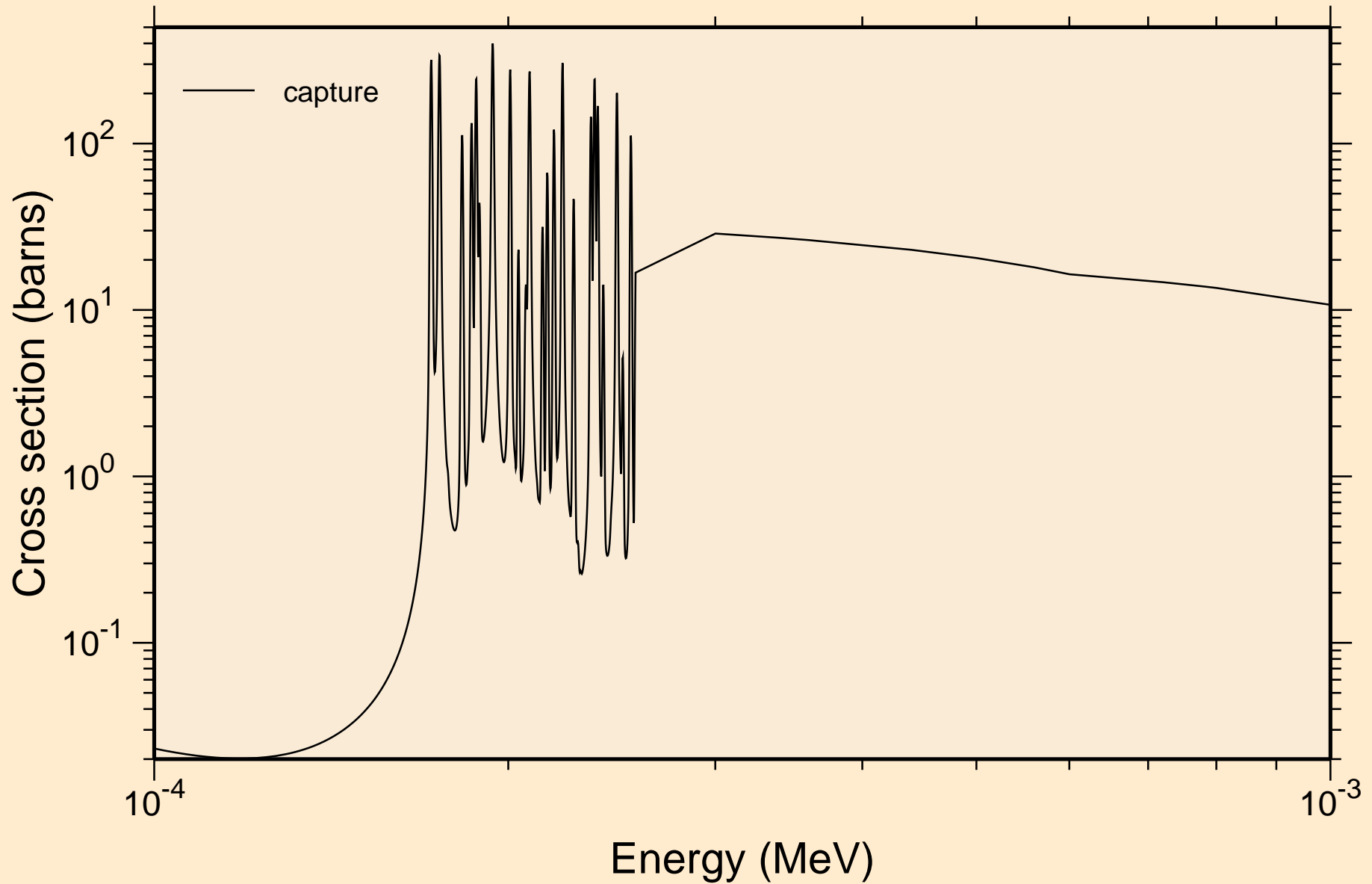
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections



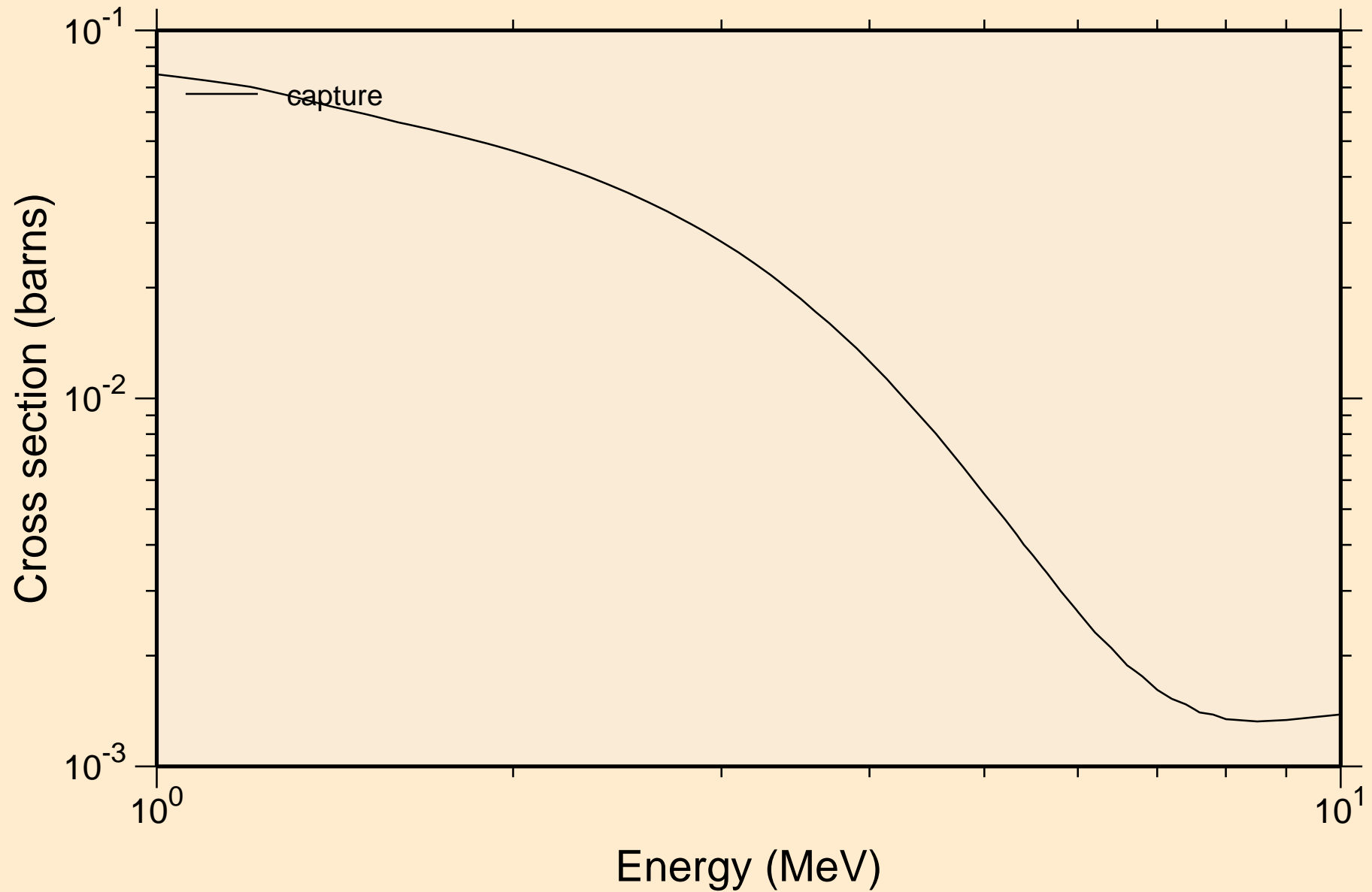
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections



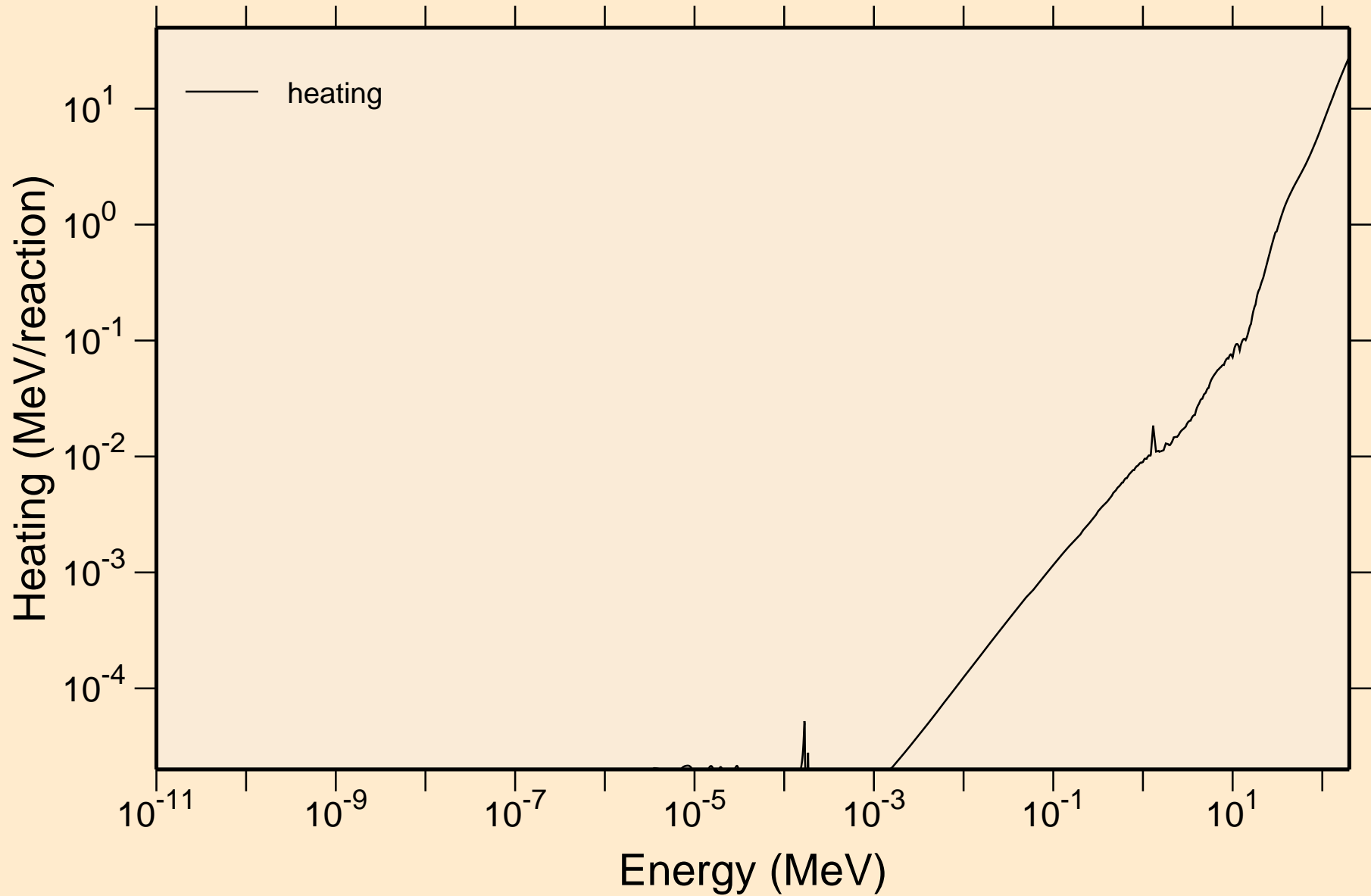
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections

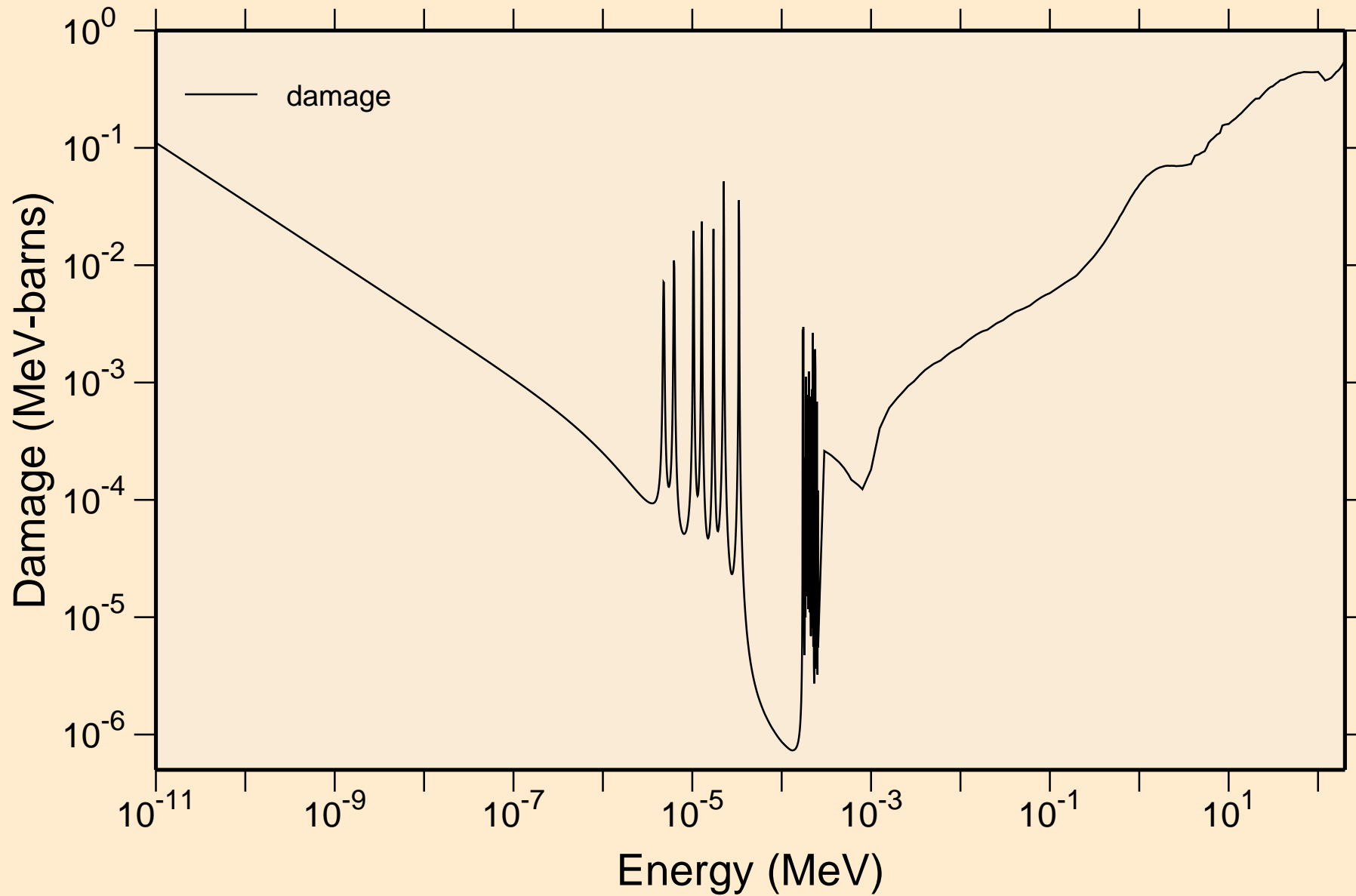


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating



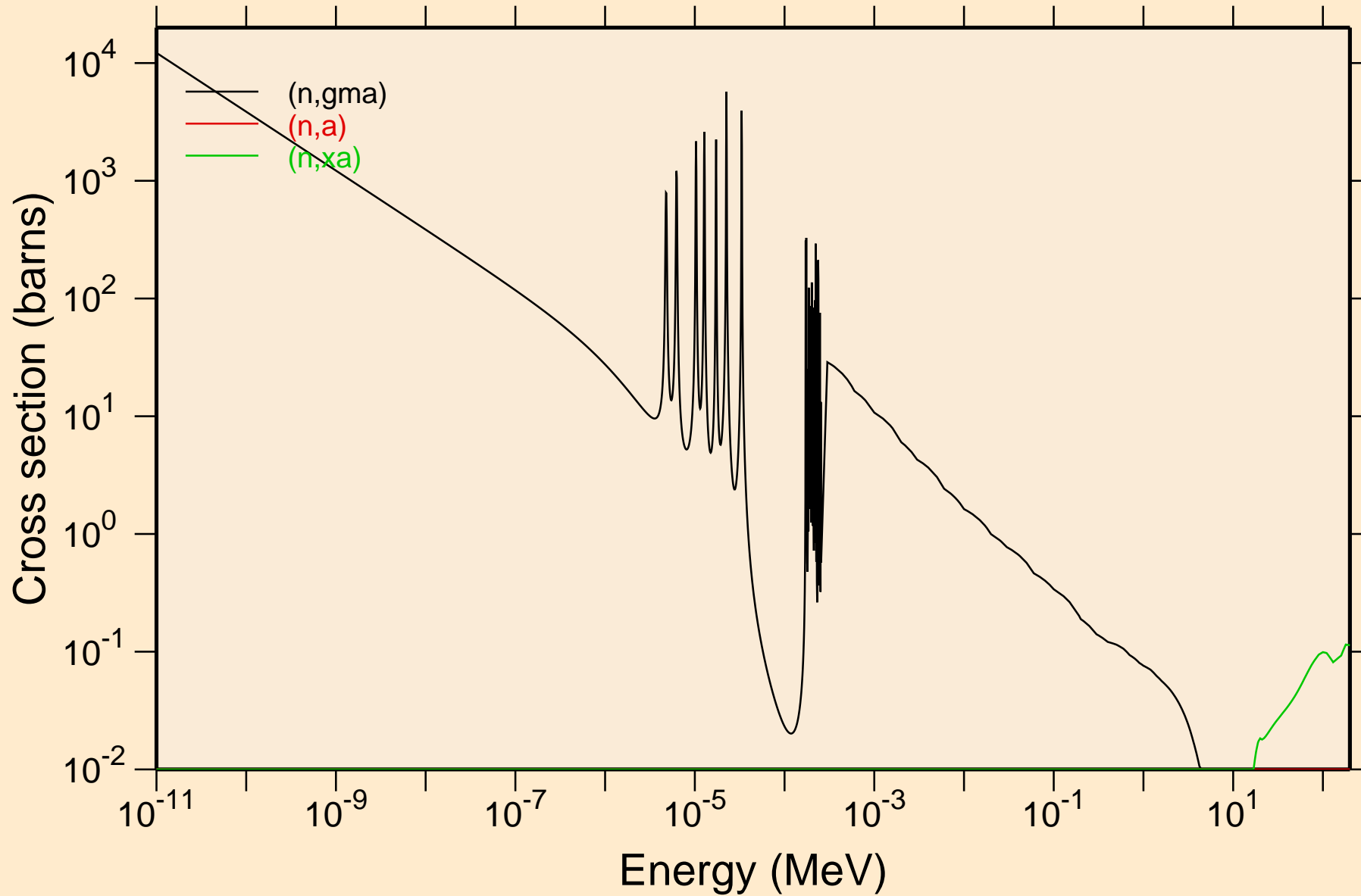
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Damage



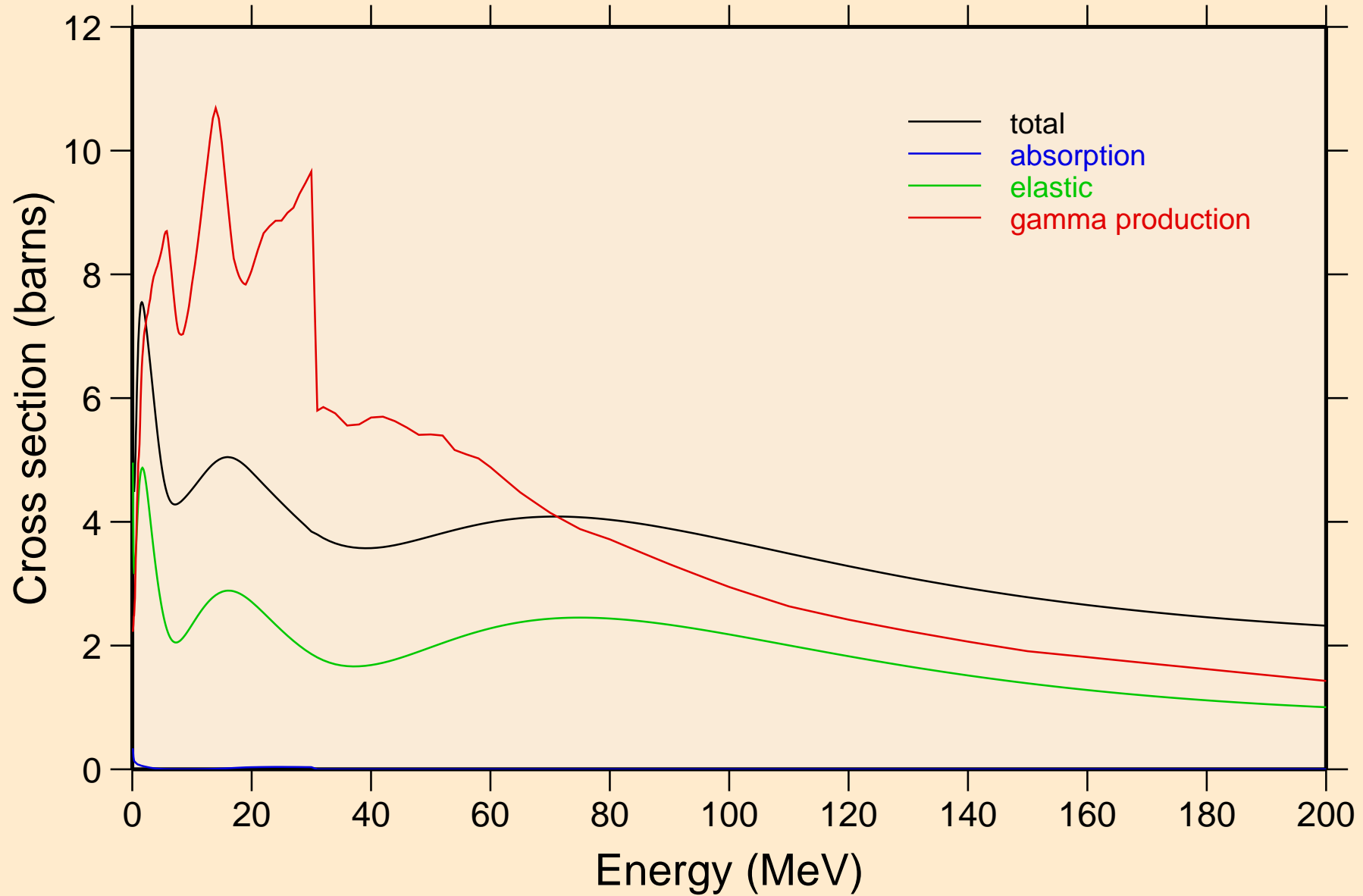
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Non-threshold reactions

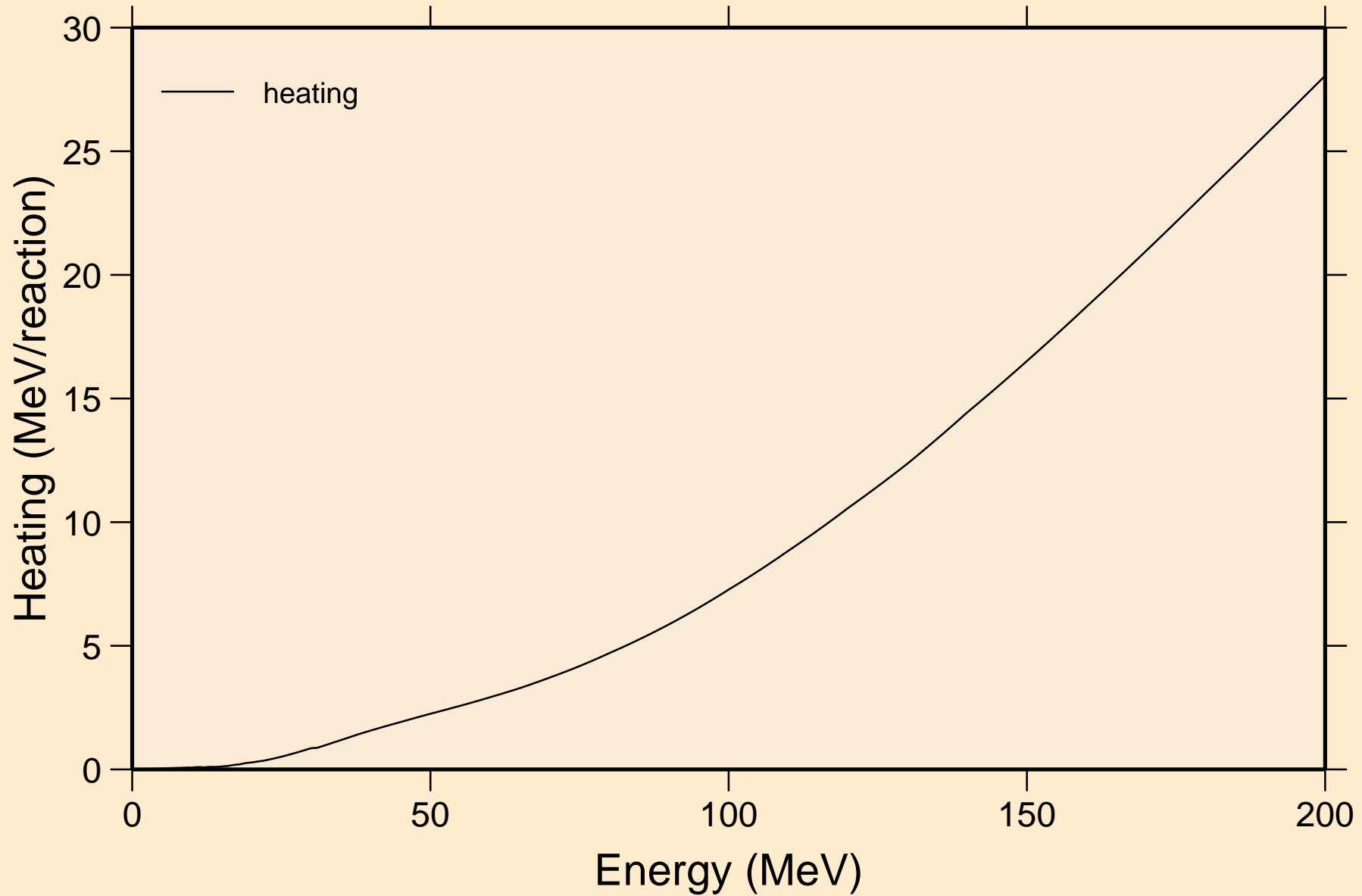


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

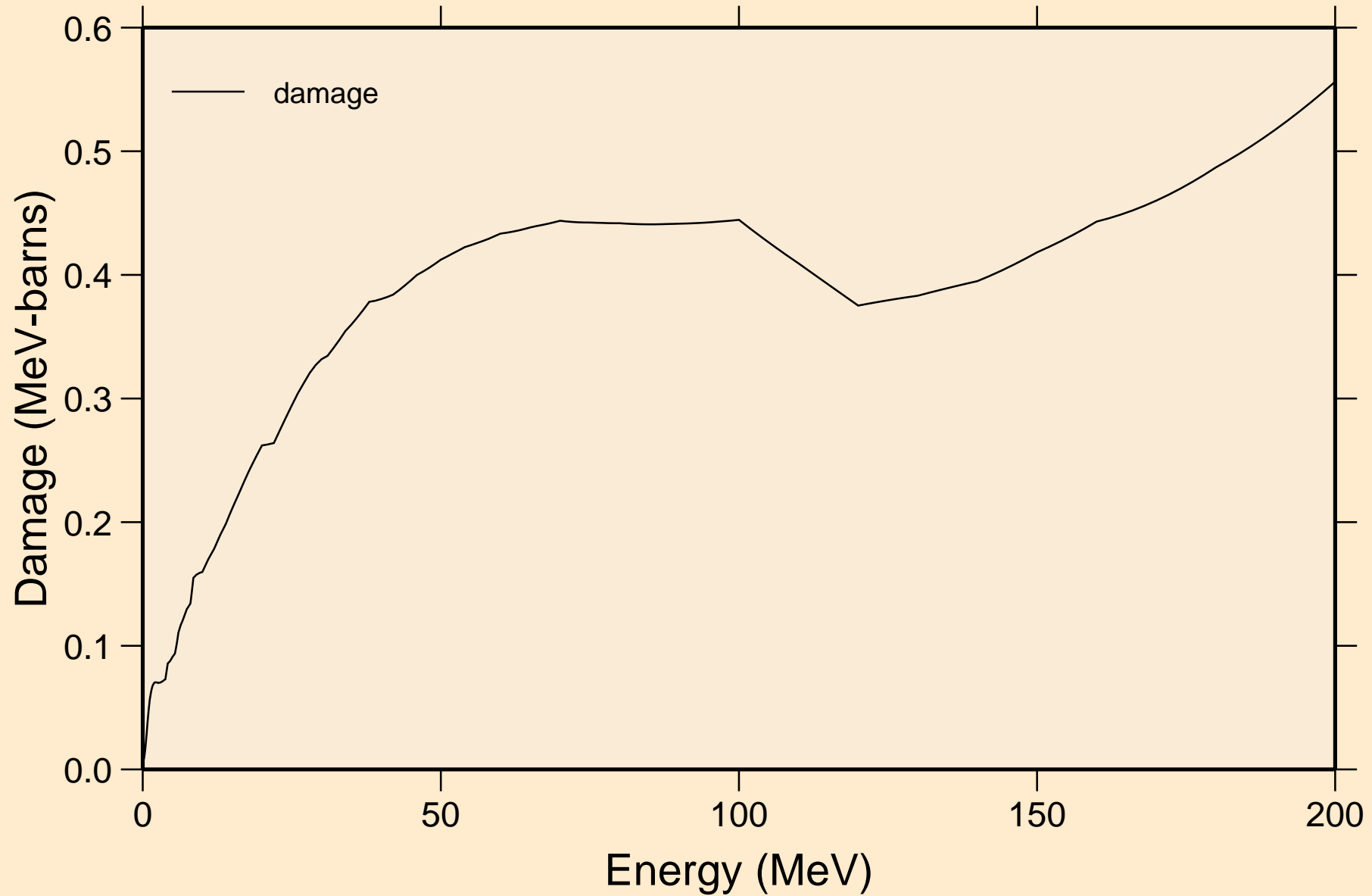
Principal cross sections



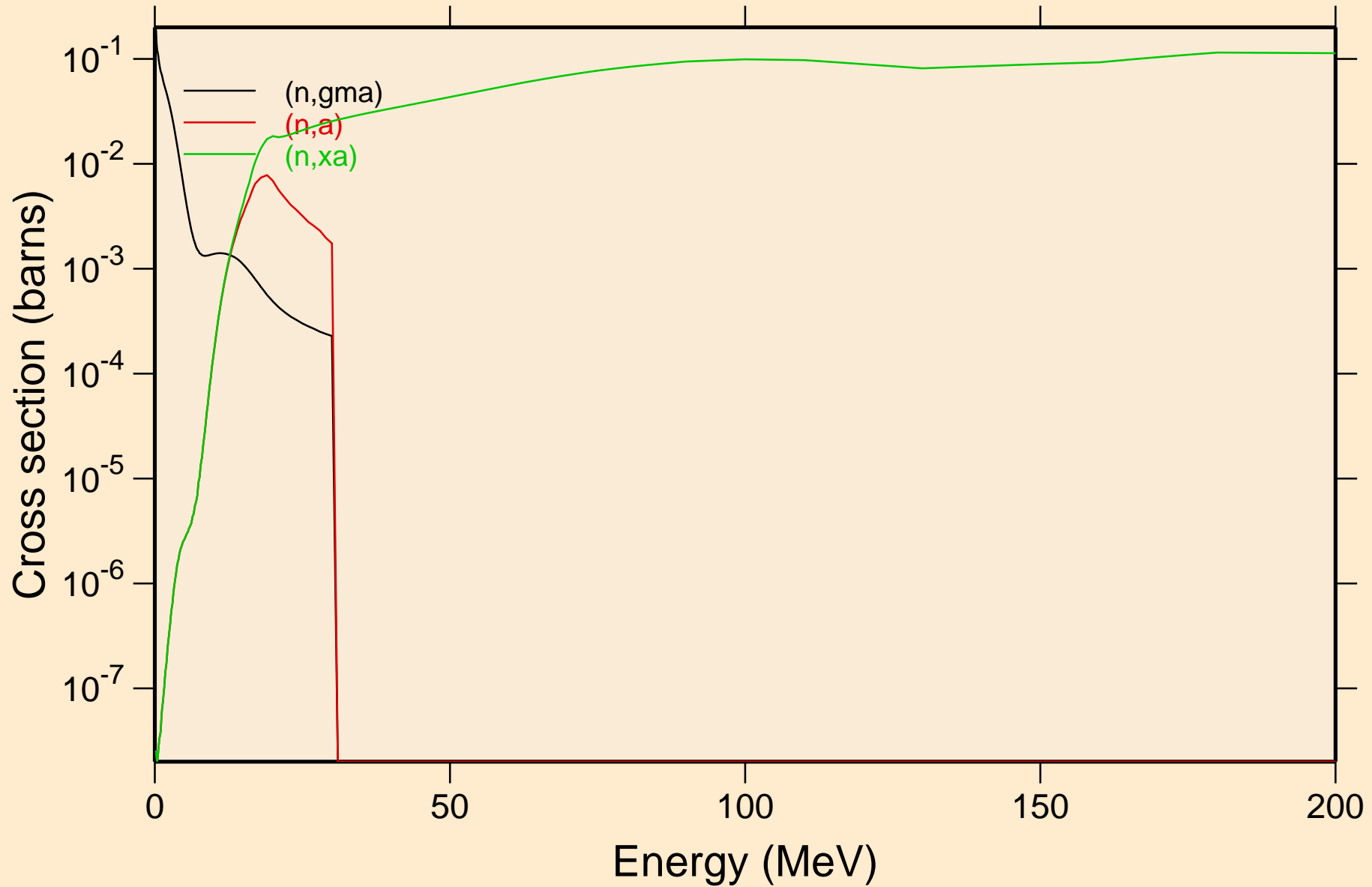
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating



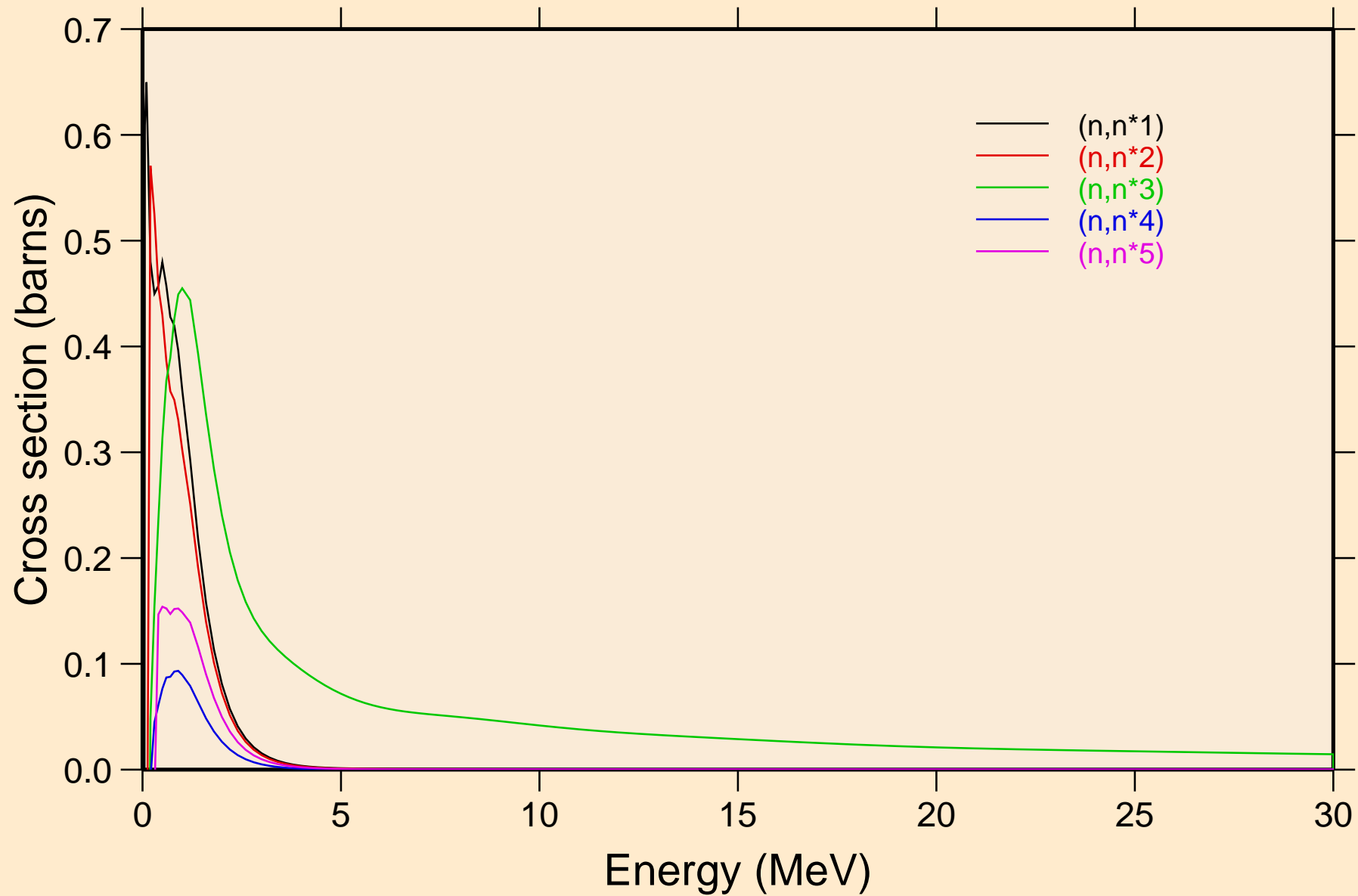
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions

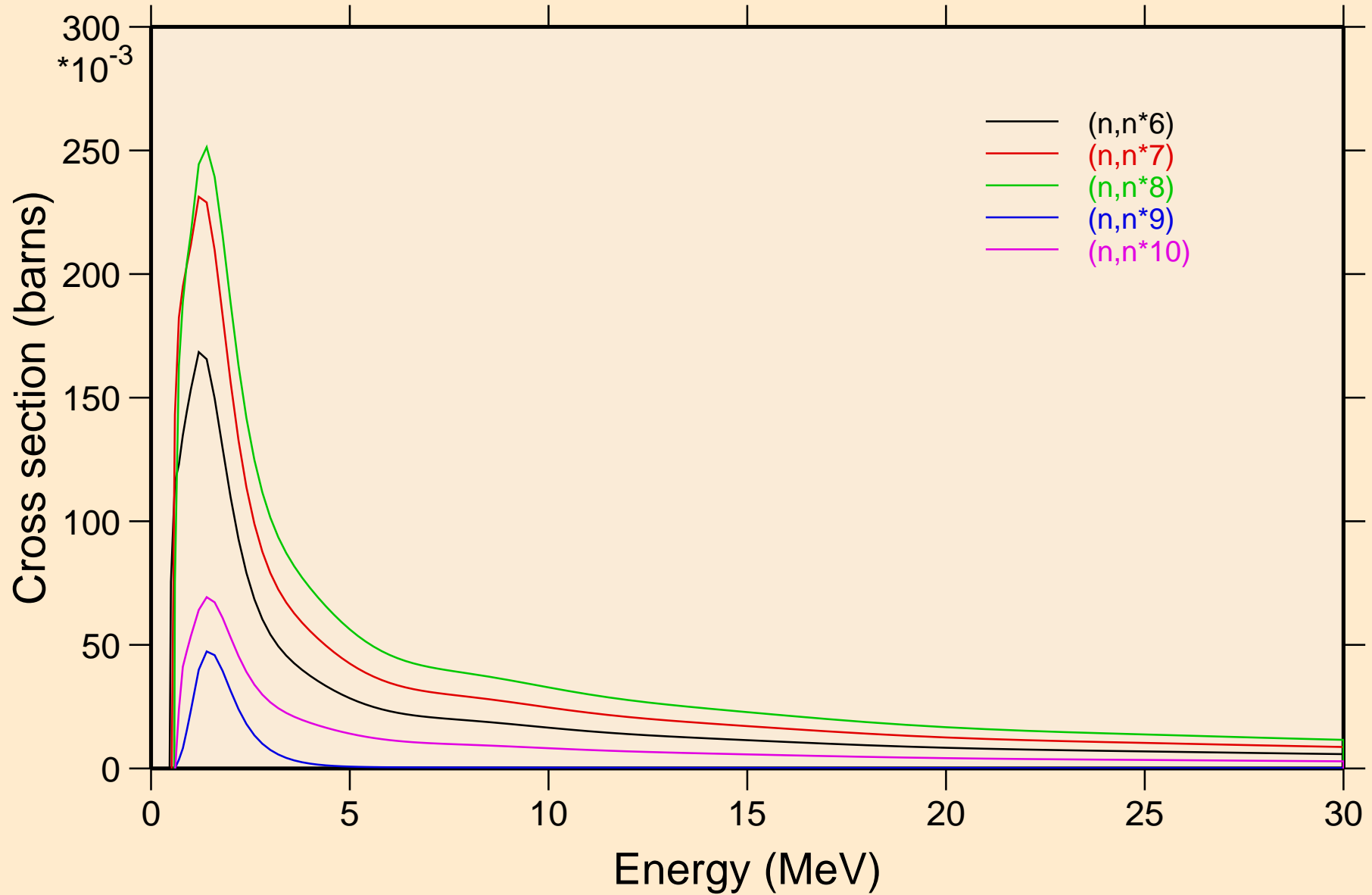


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels

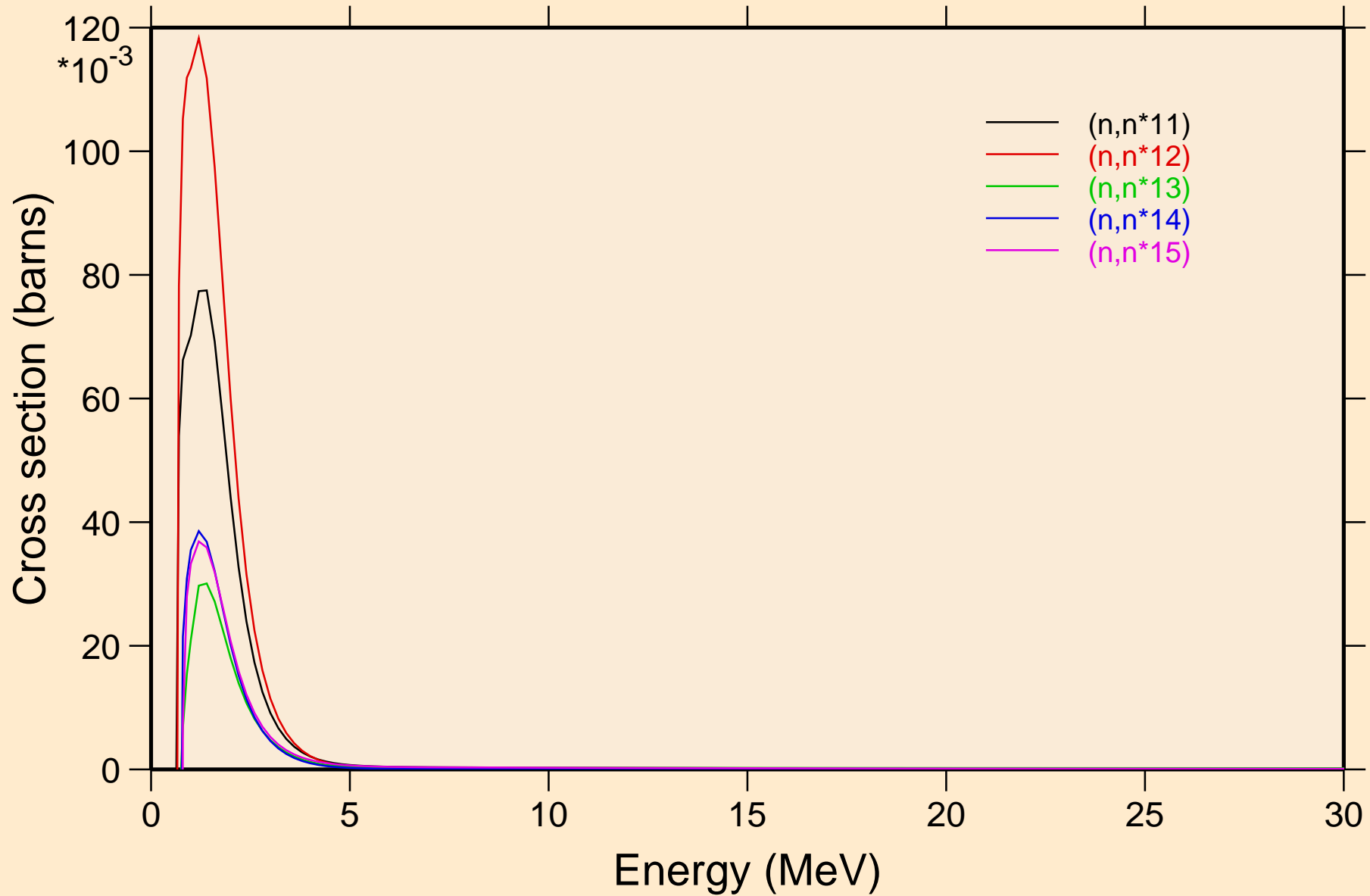


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

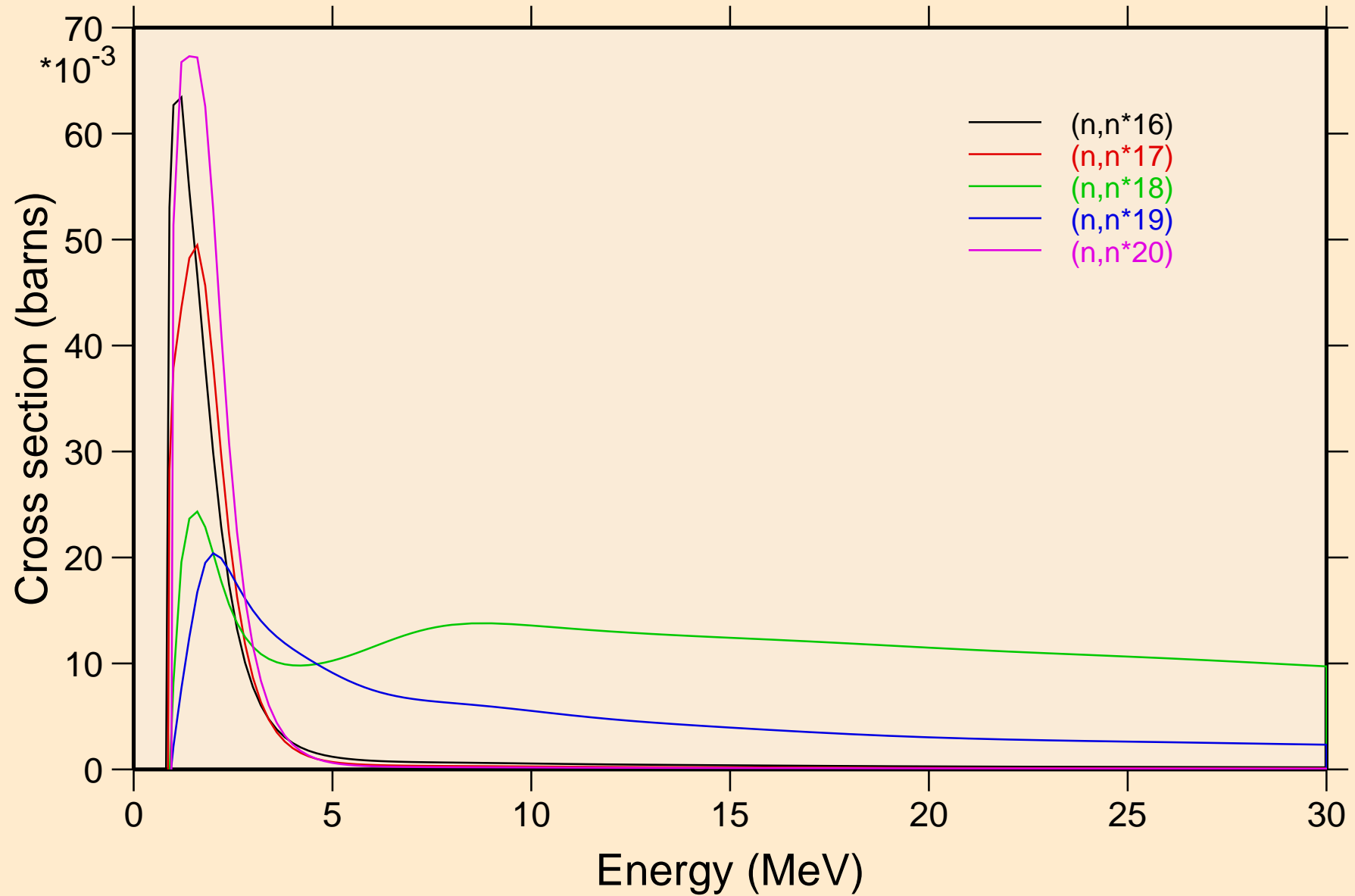
Inelastic levels



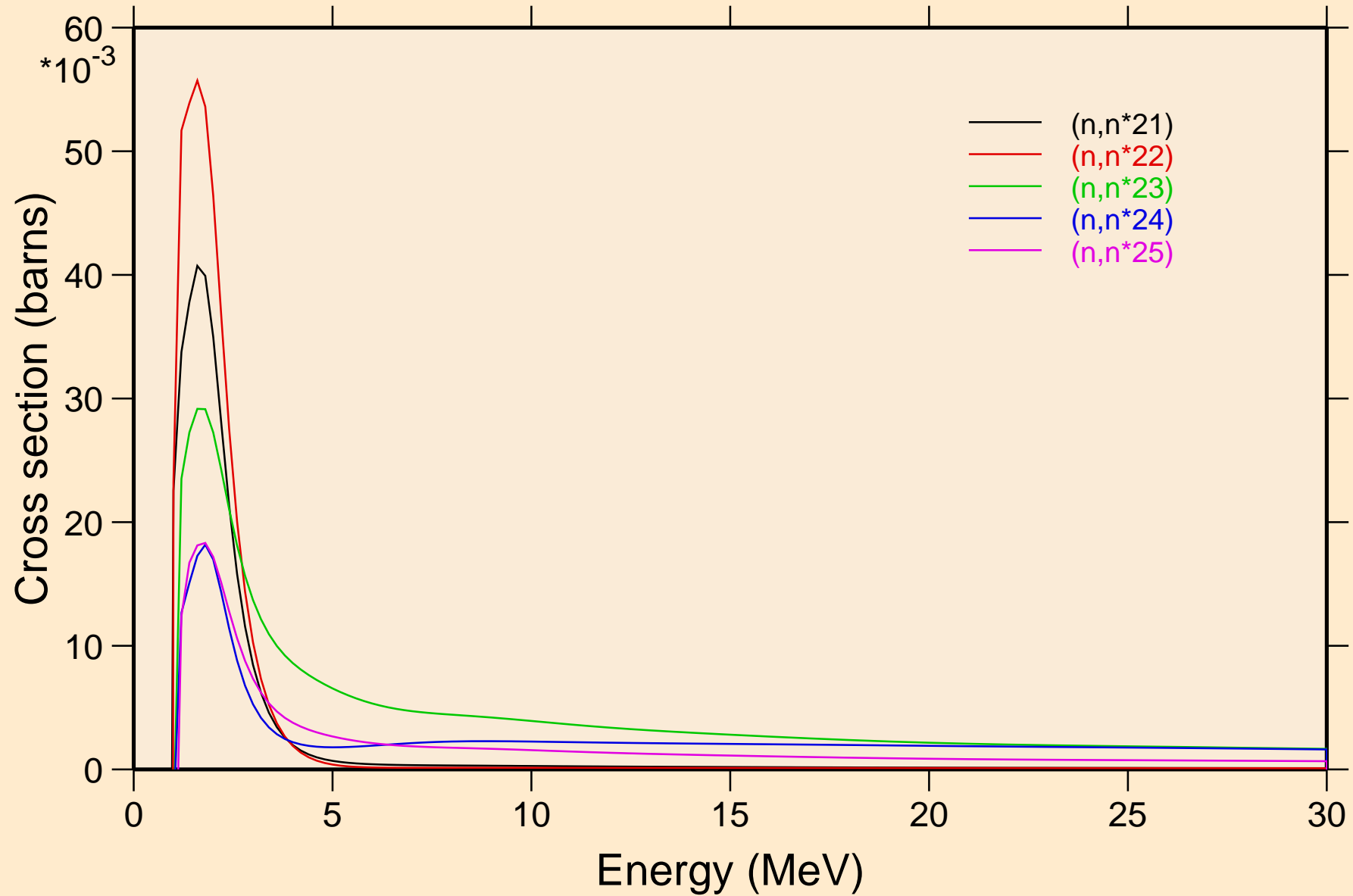
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels

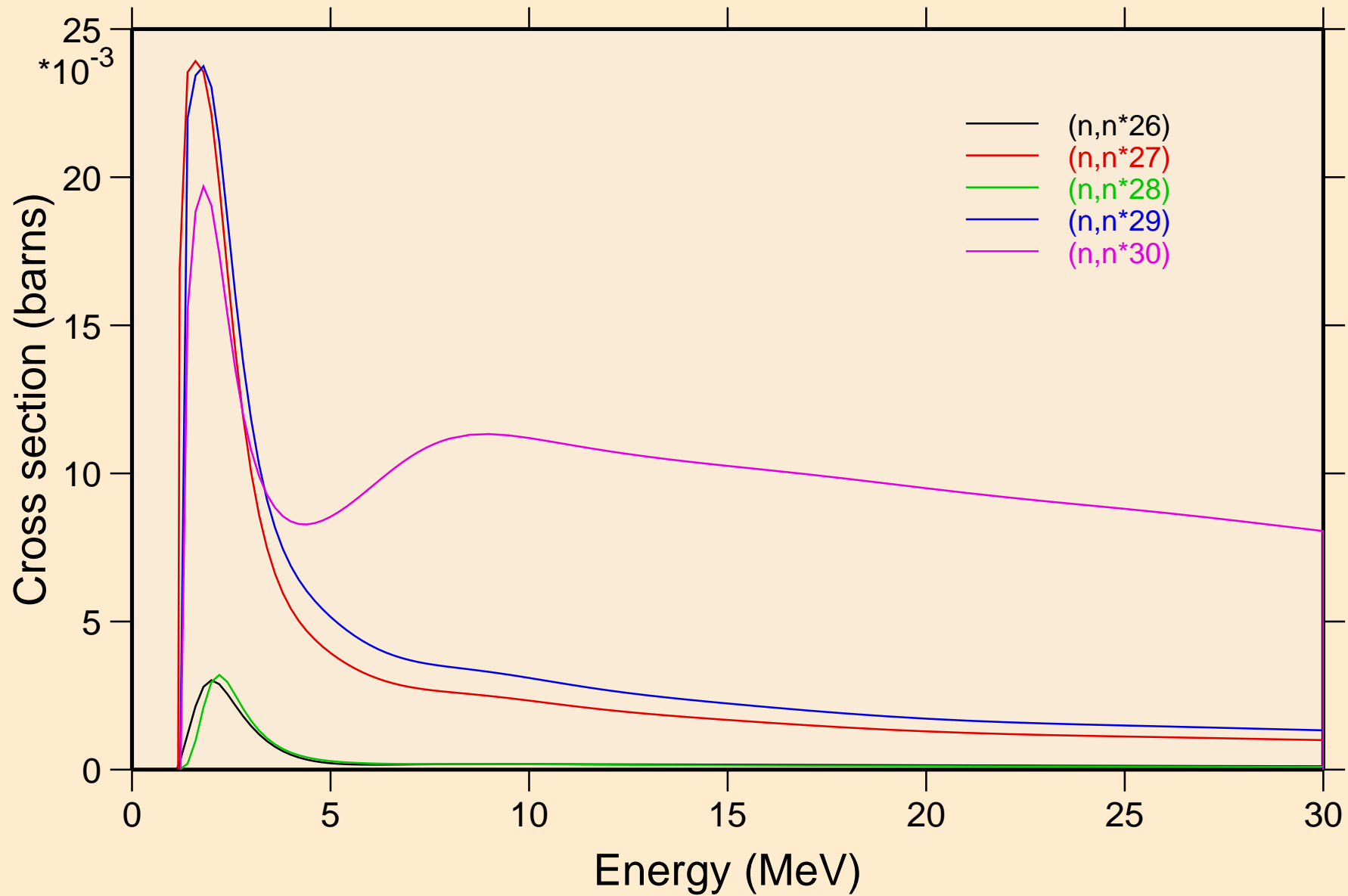


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels



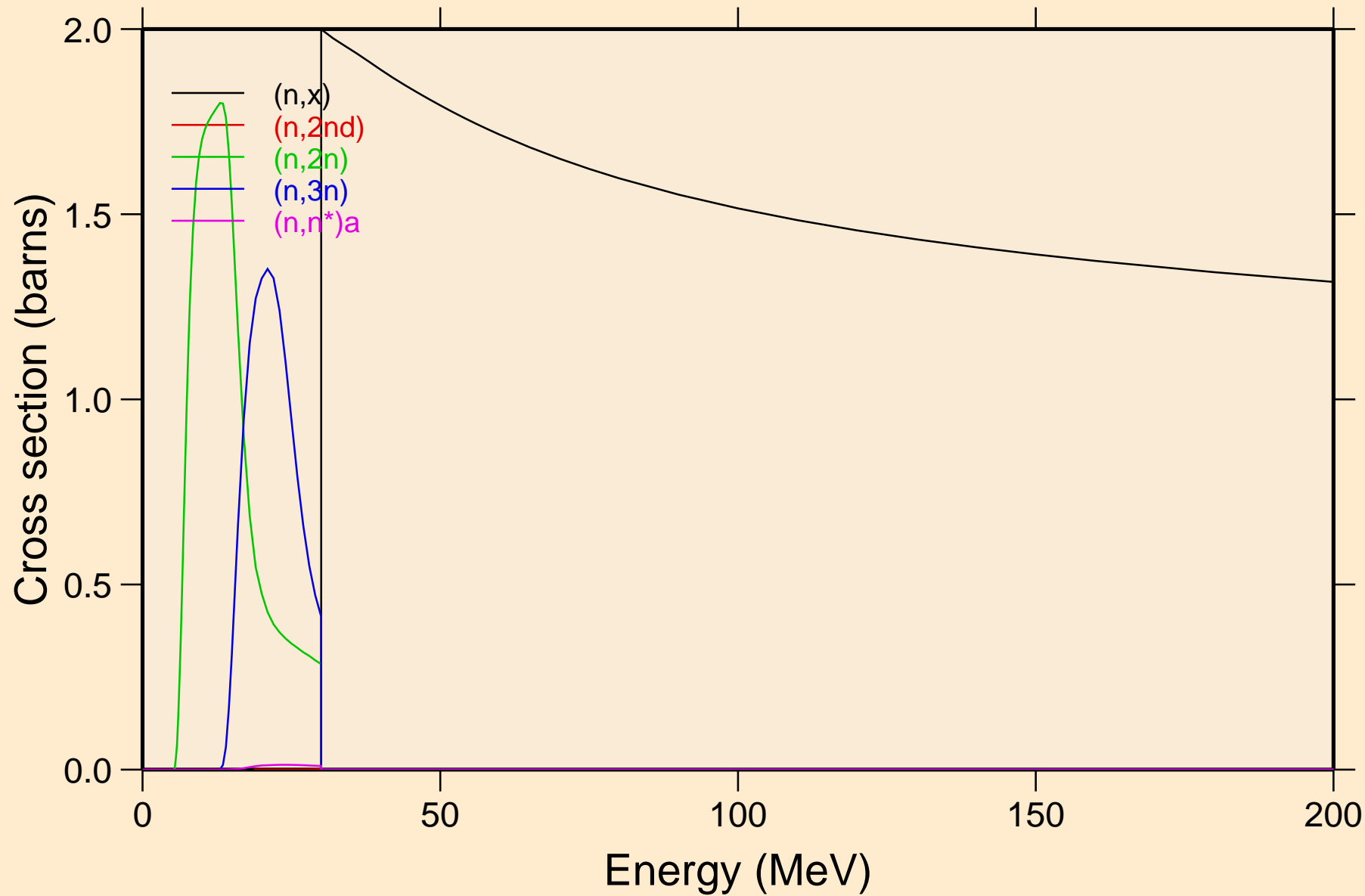
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Inelastic levels



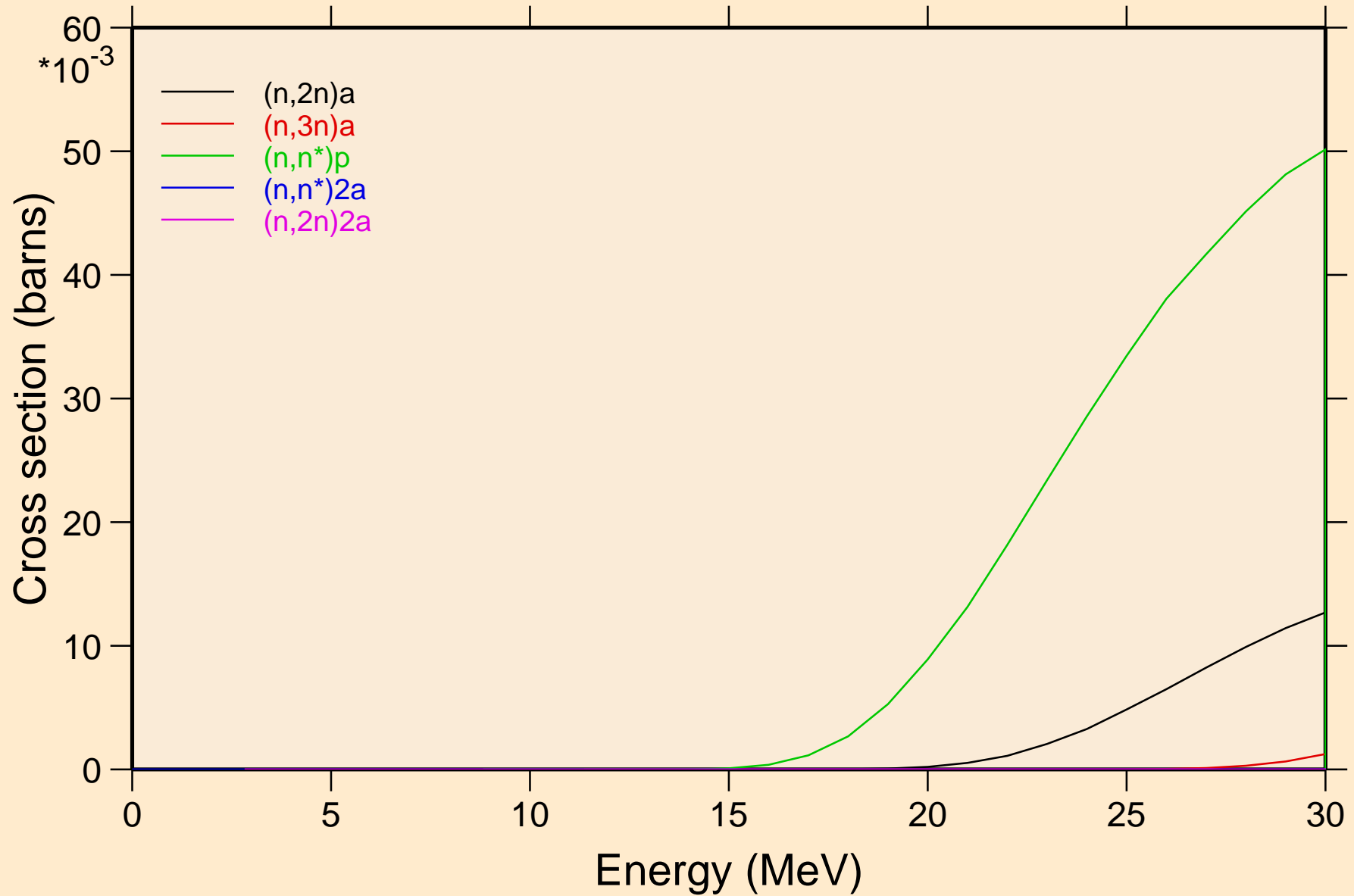
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Threshold reactions



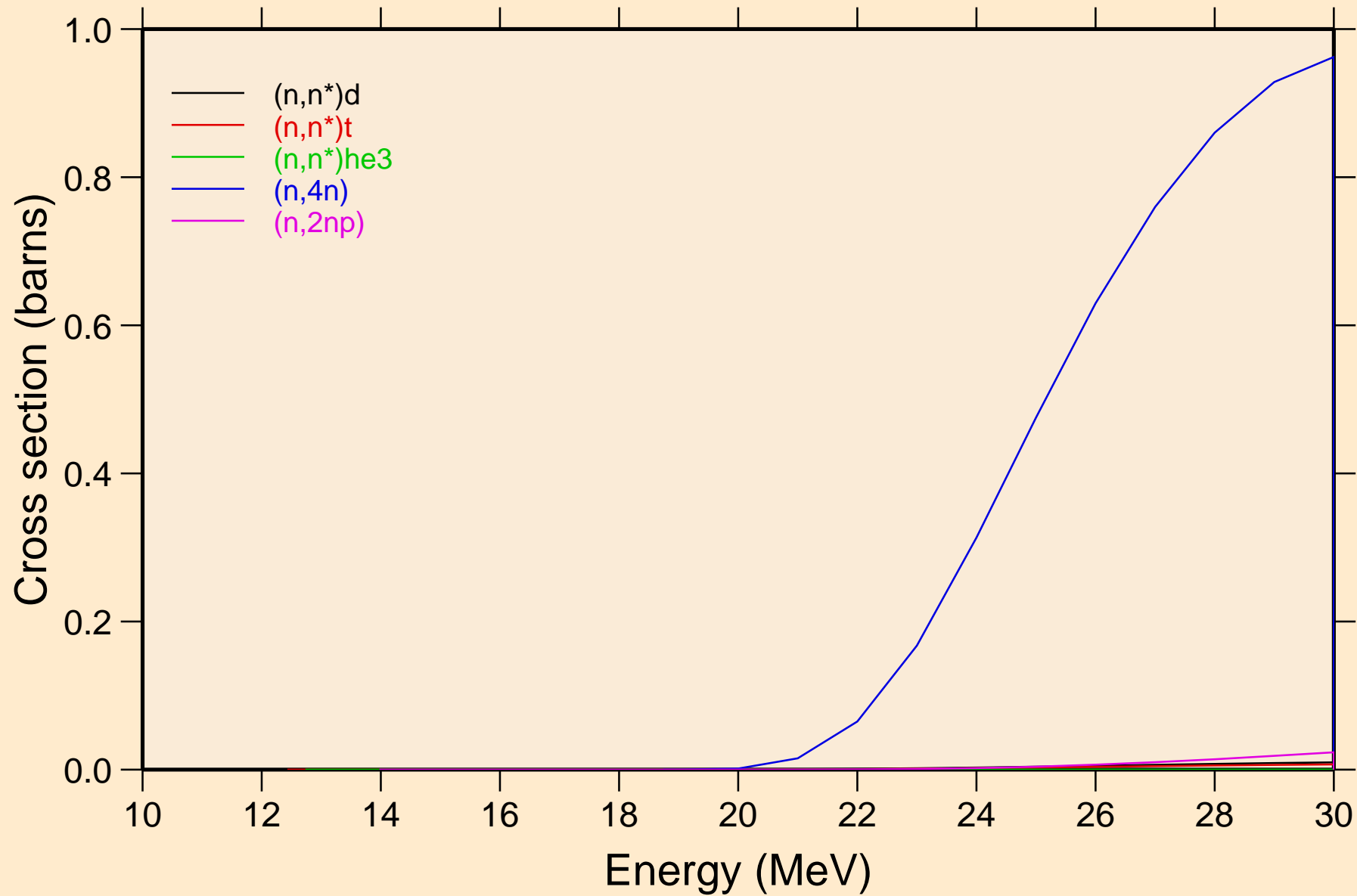
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Threshold reactions



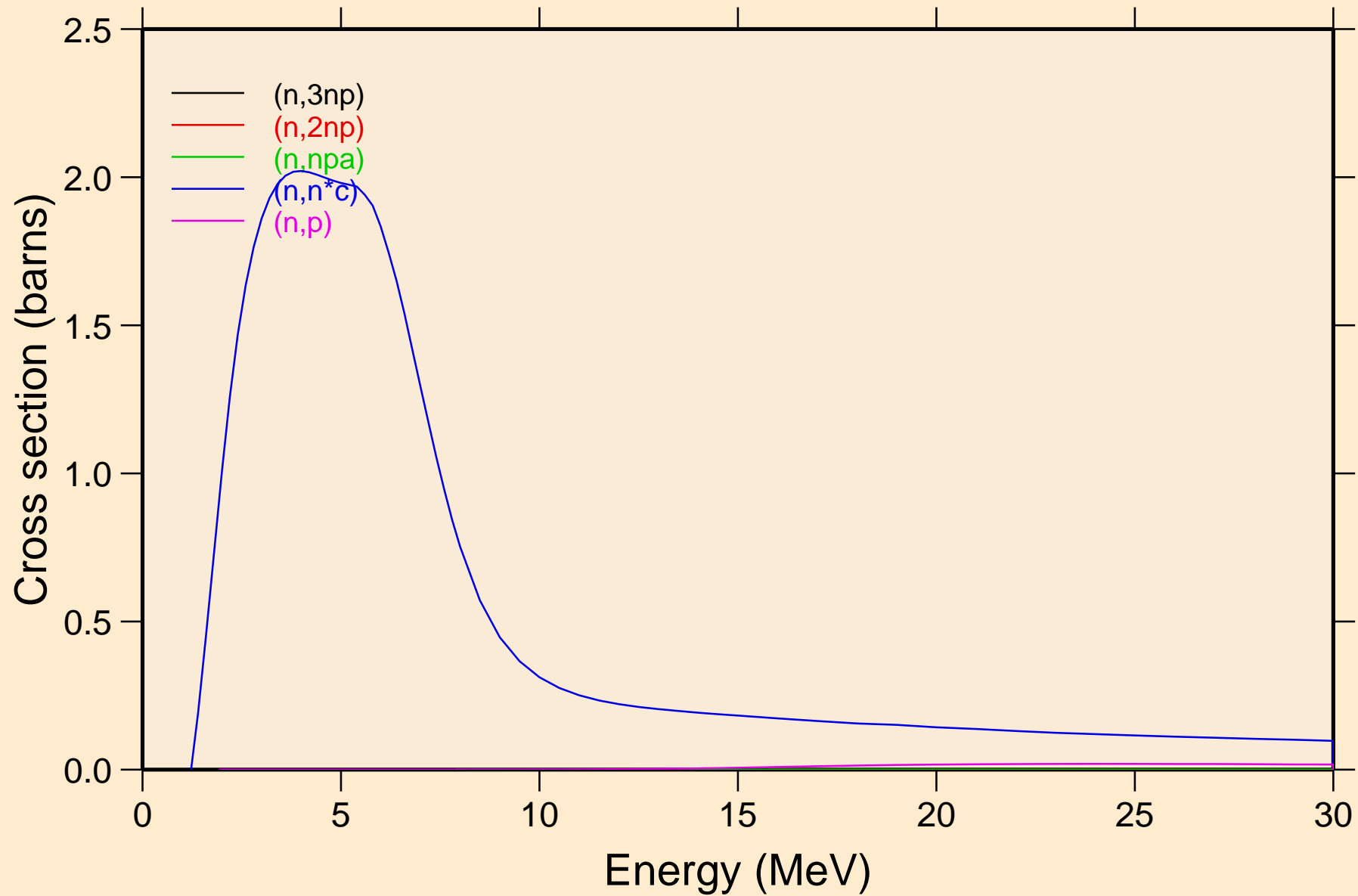
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Threshold reactions

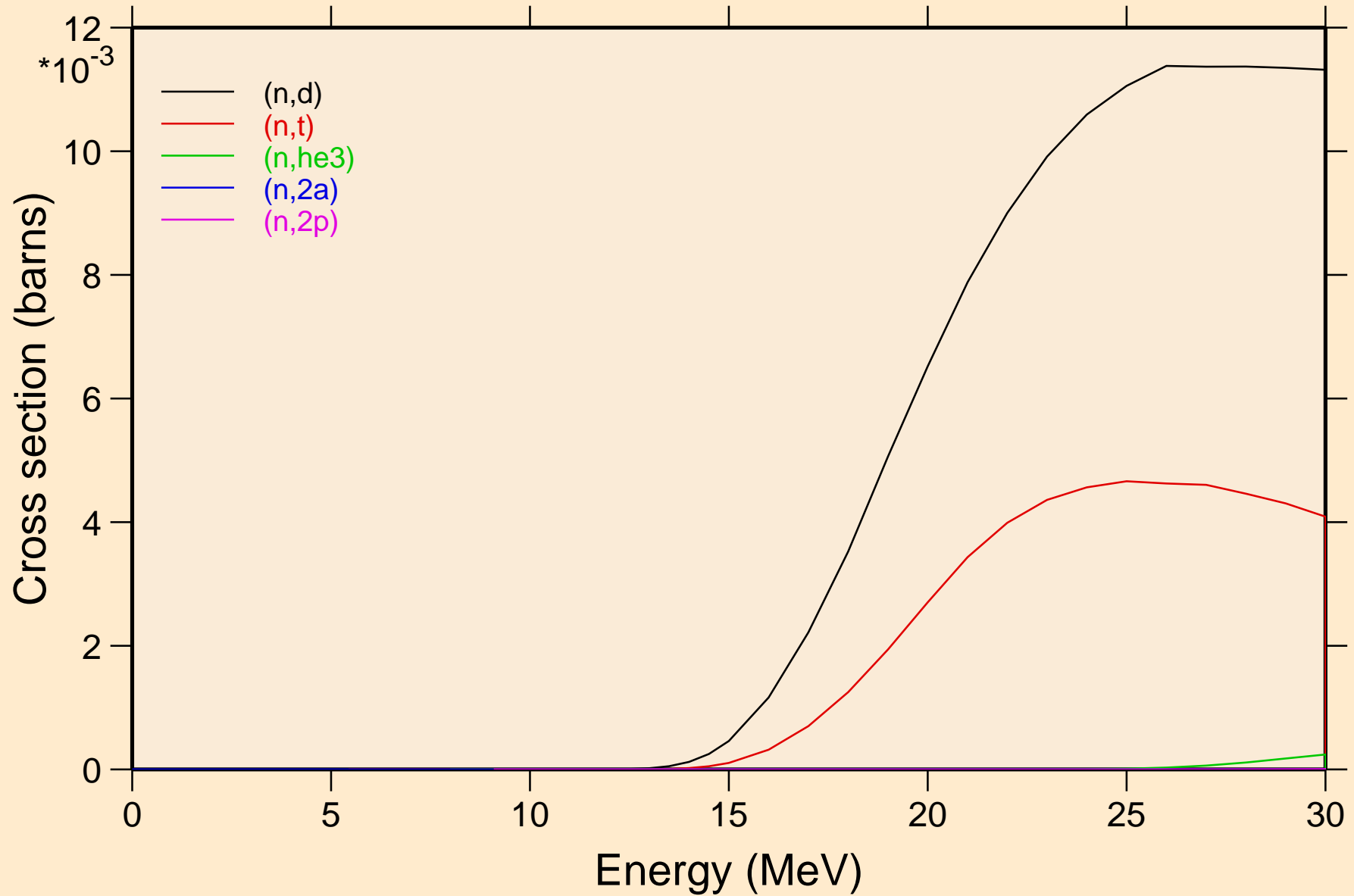


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Threshold reactions

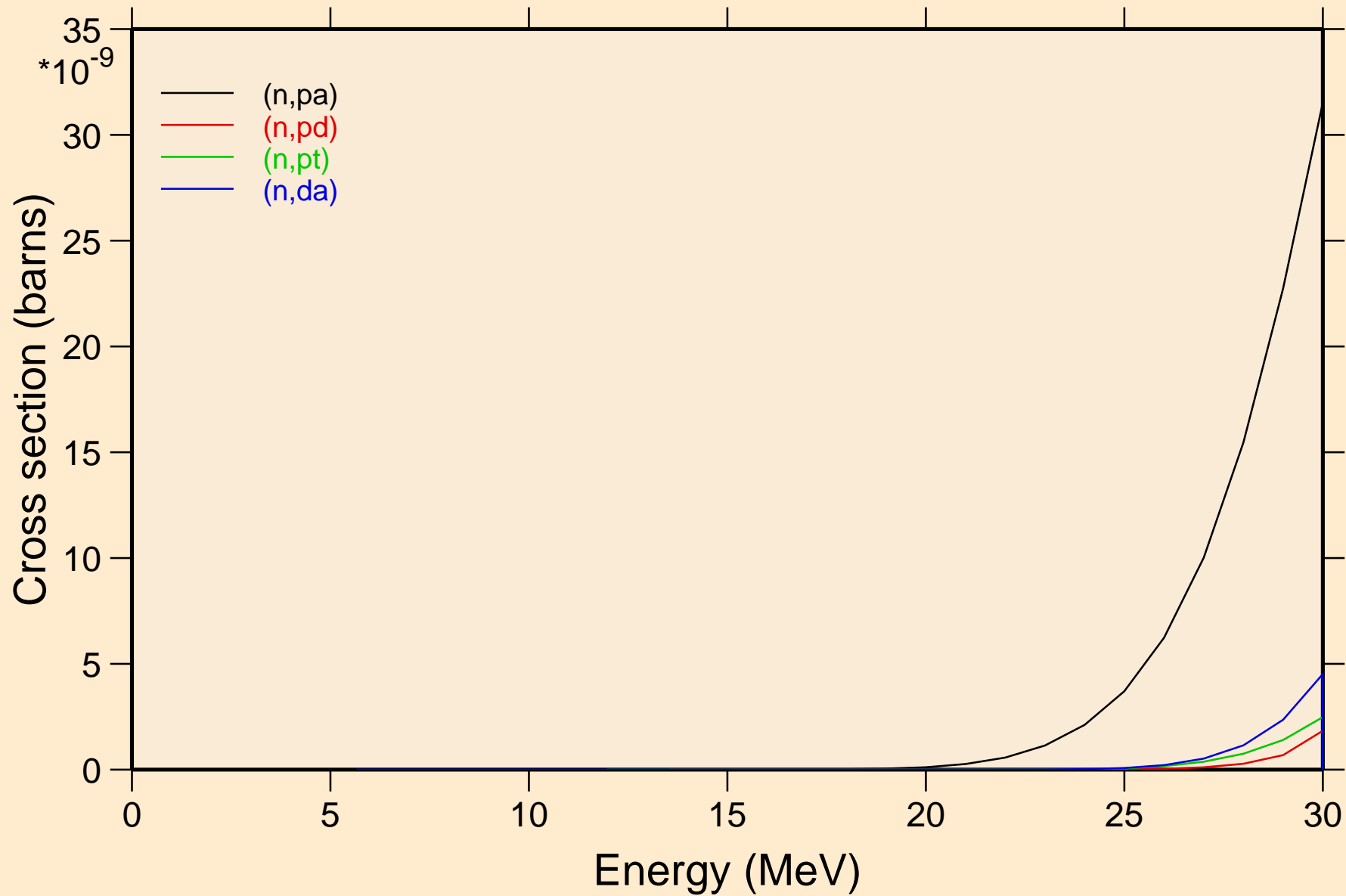


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



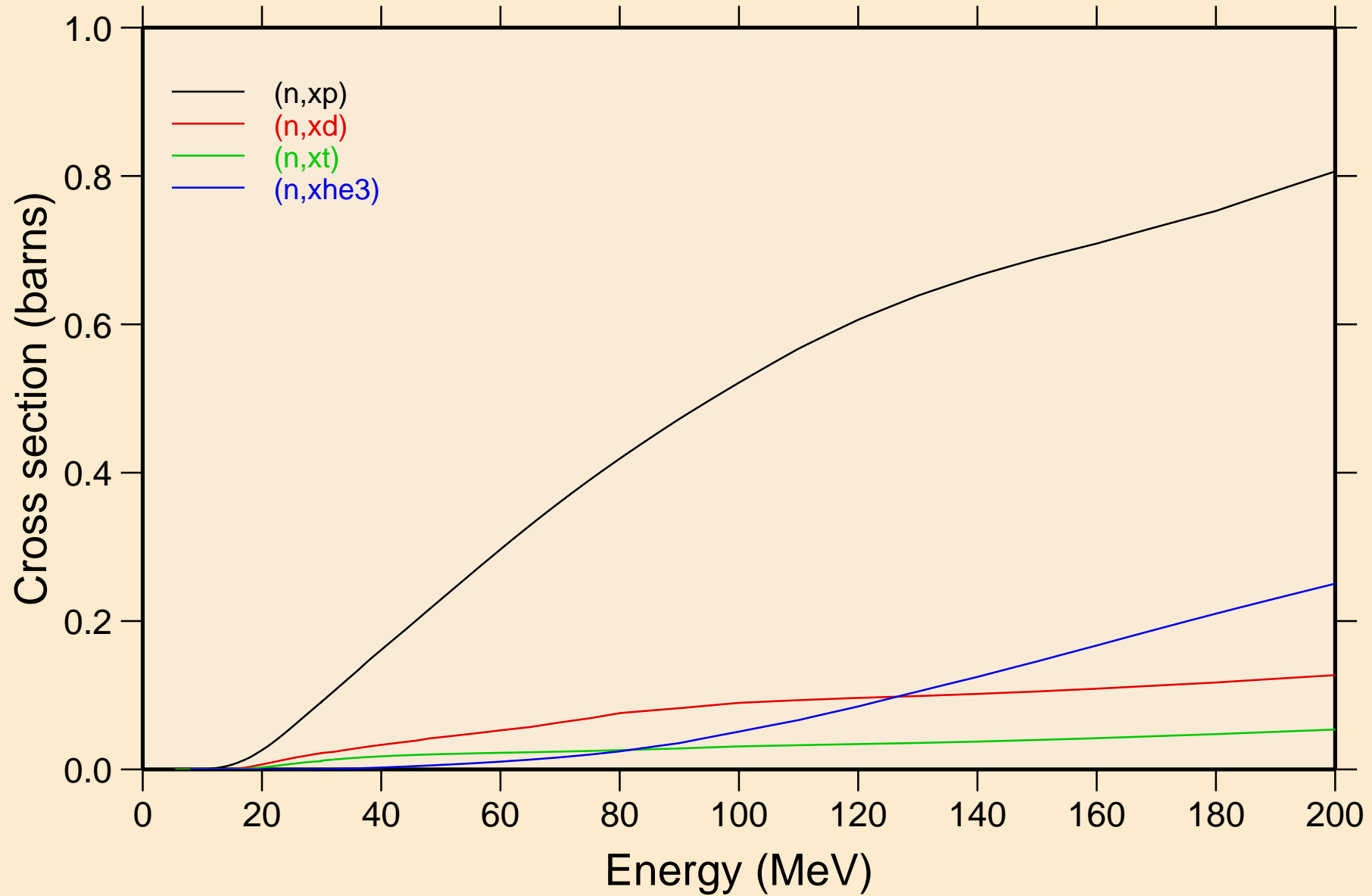
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Threshold reactions

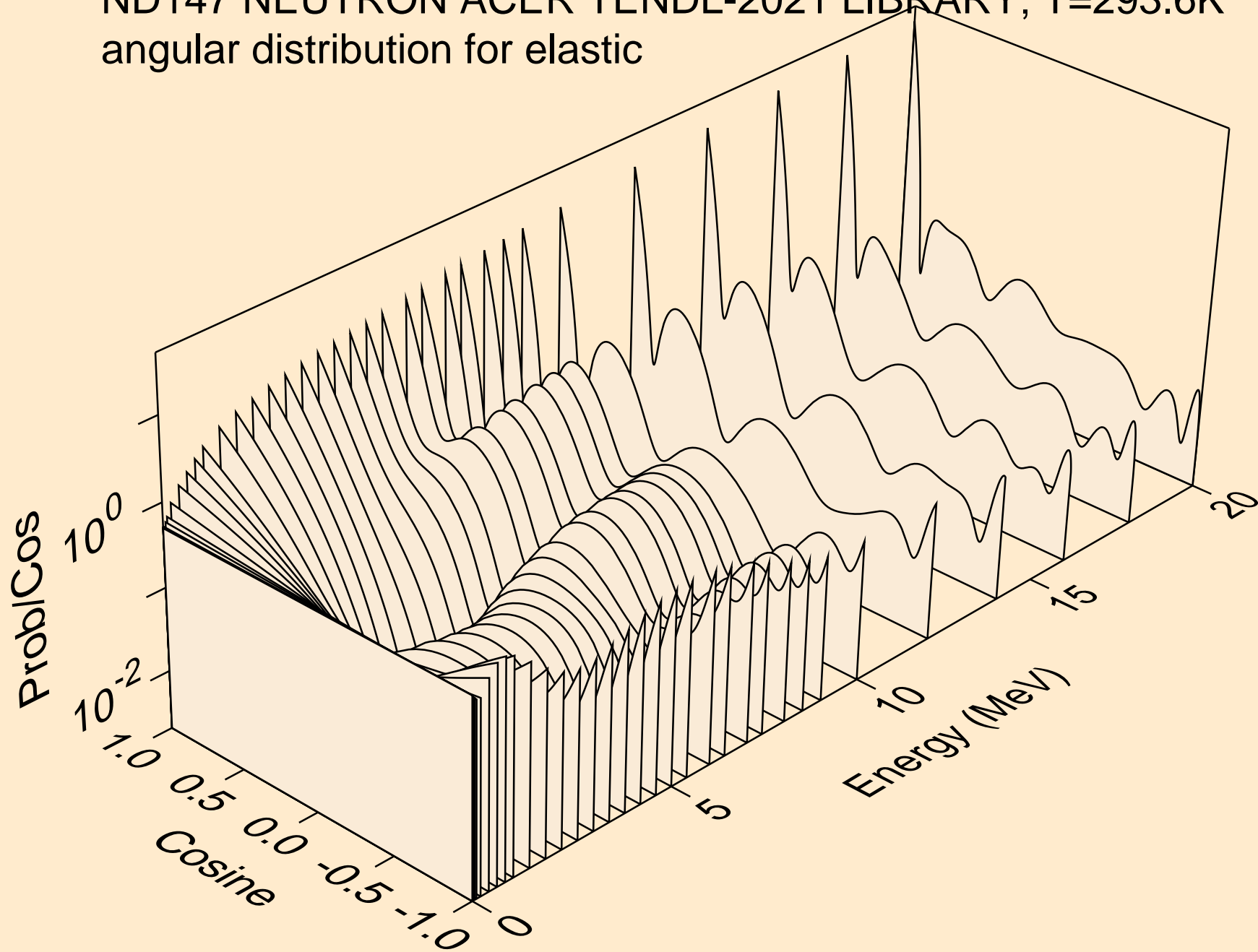


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

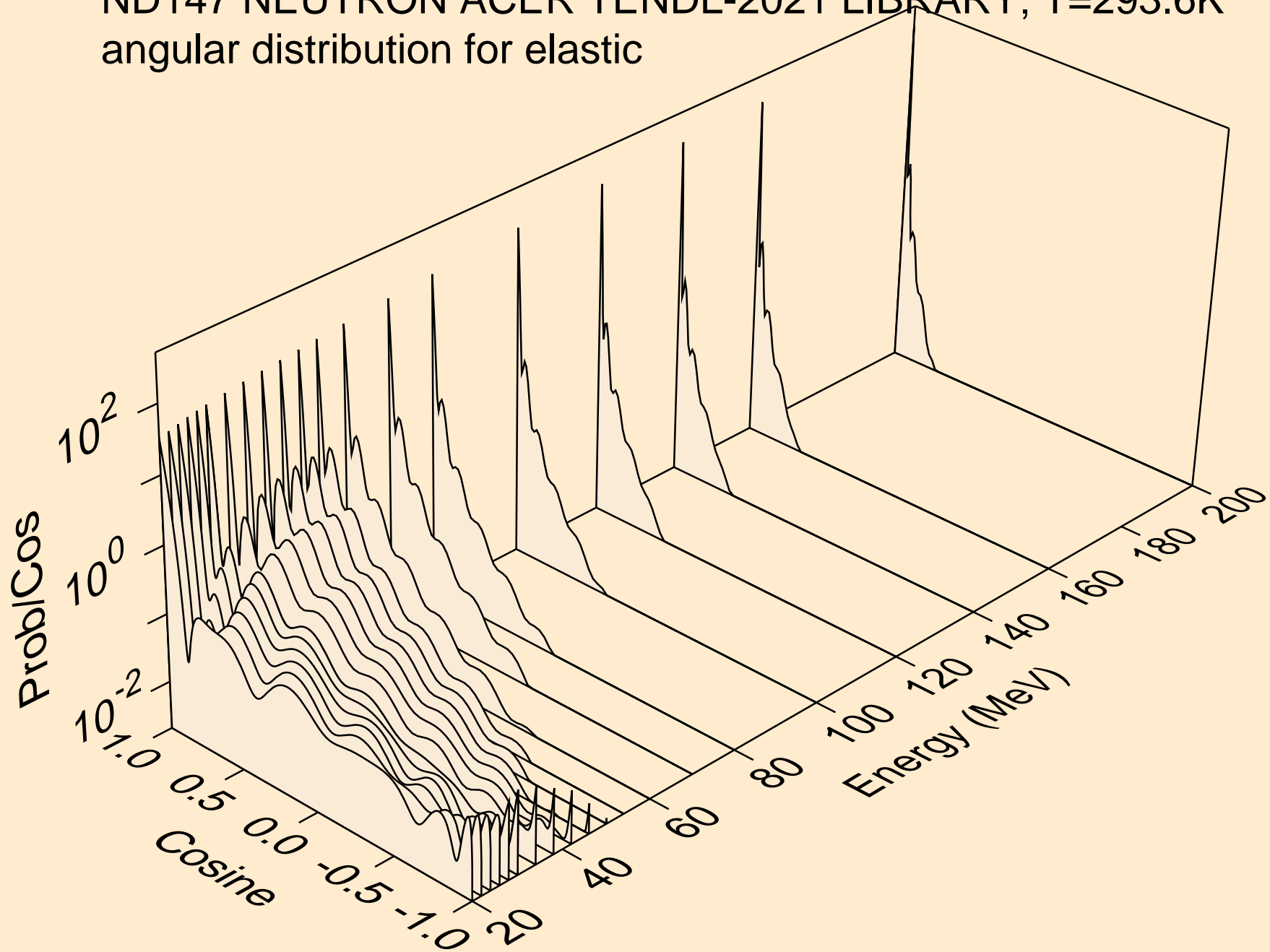
Threshold reactions



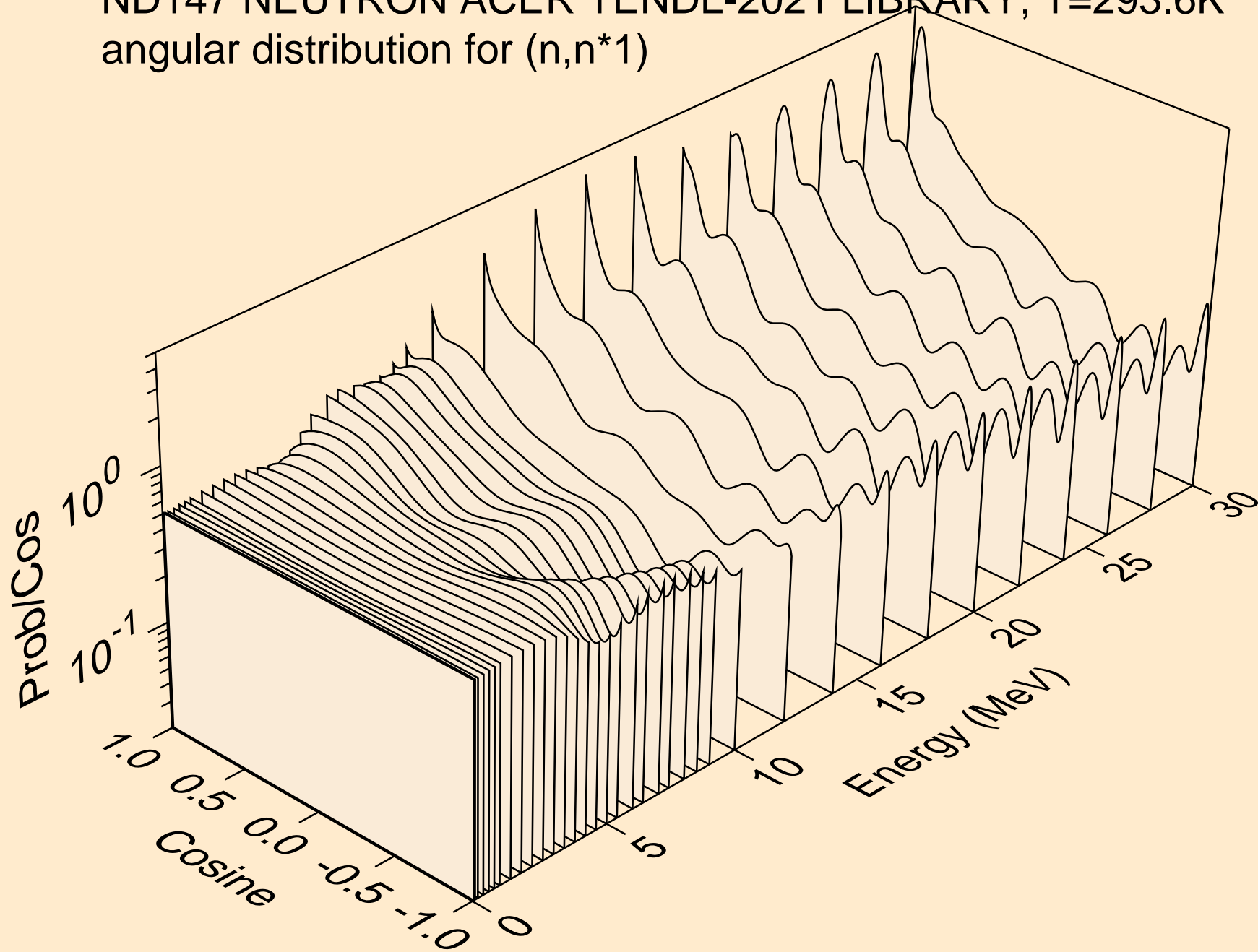
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic



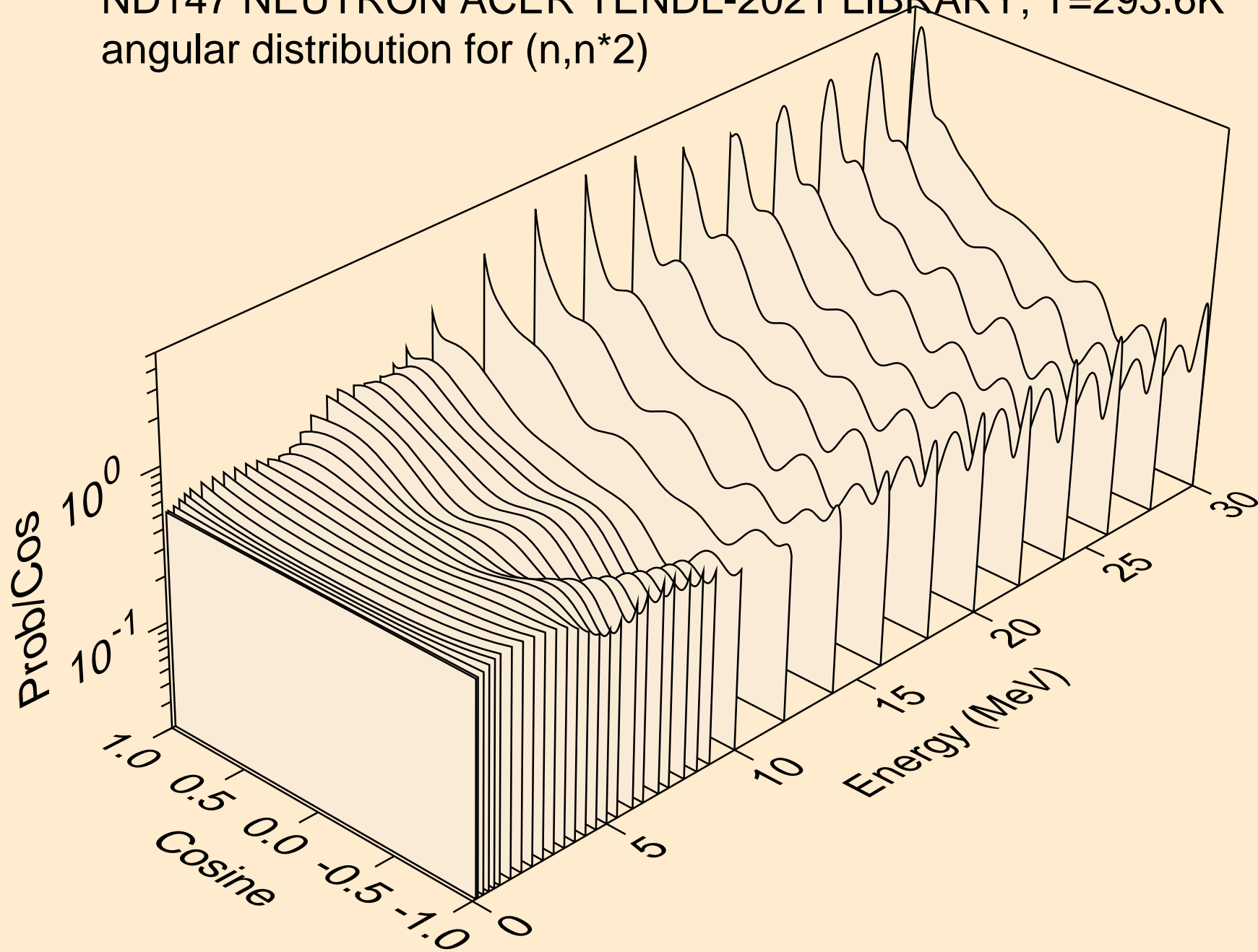
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic



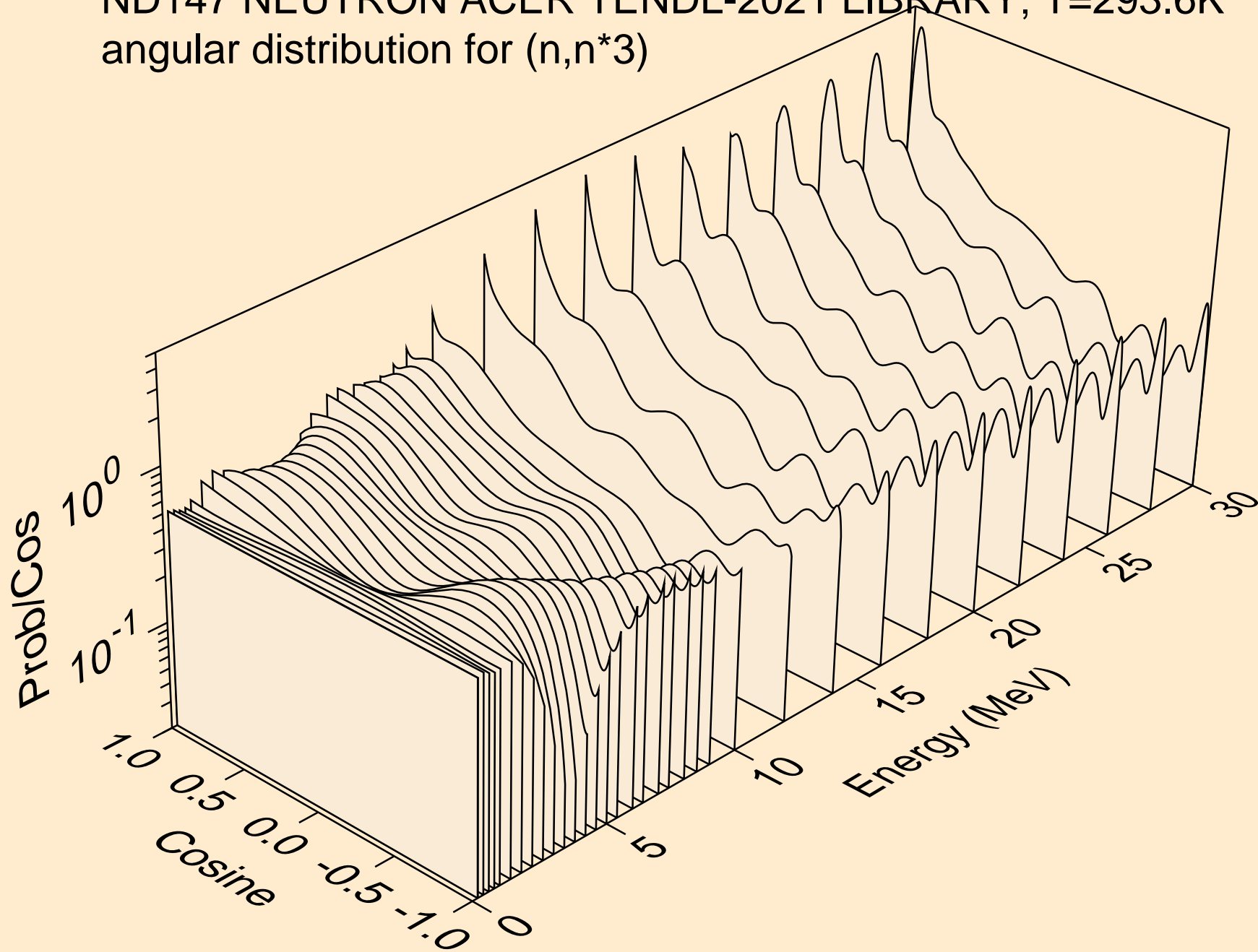
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*1)



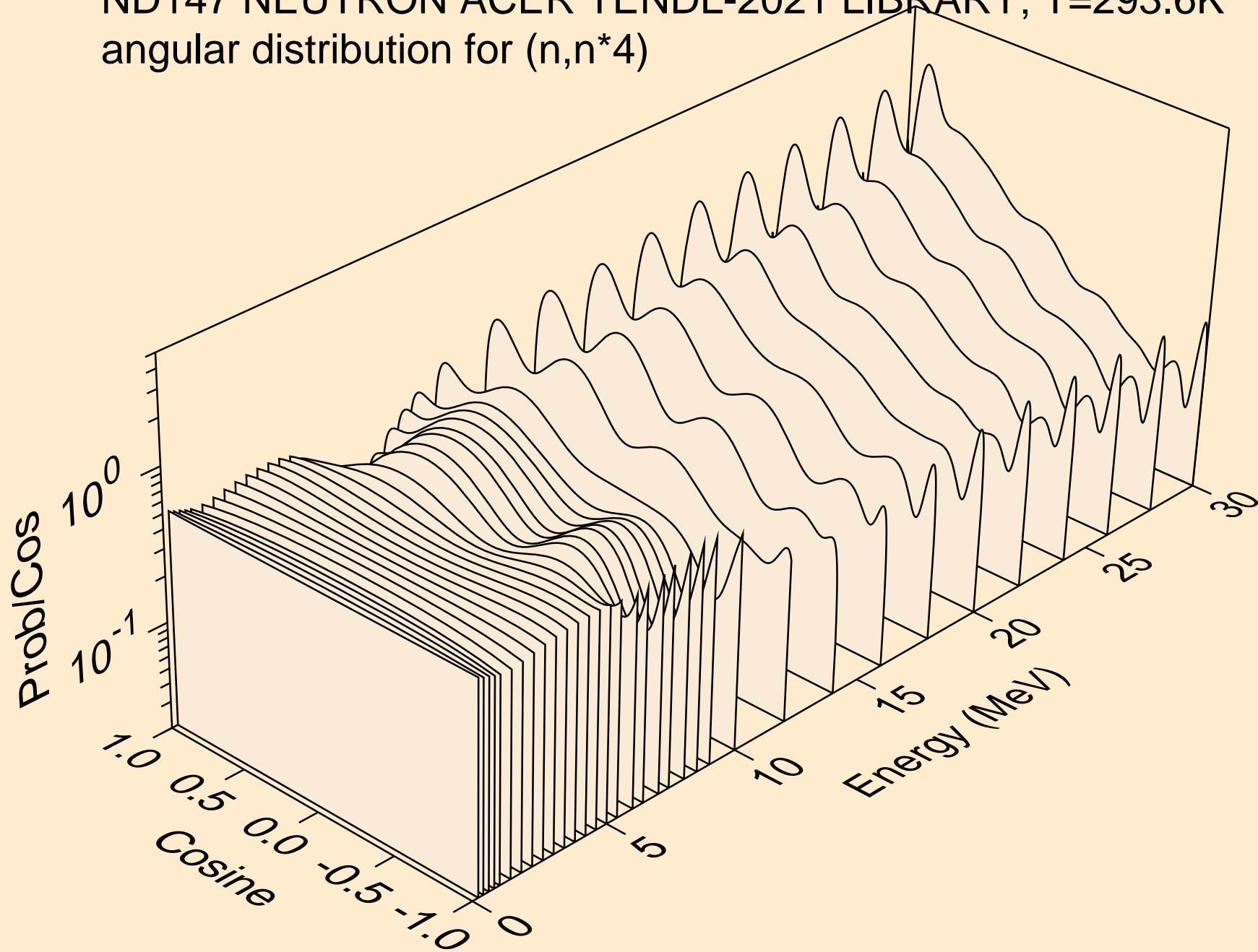
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*2)



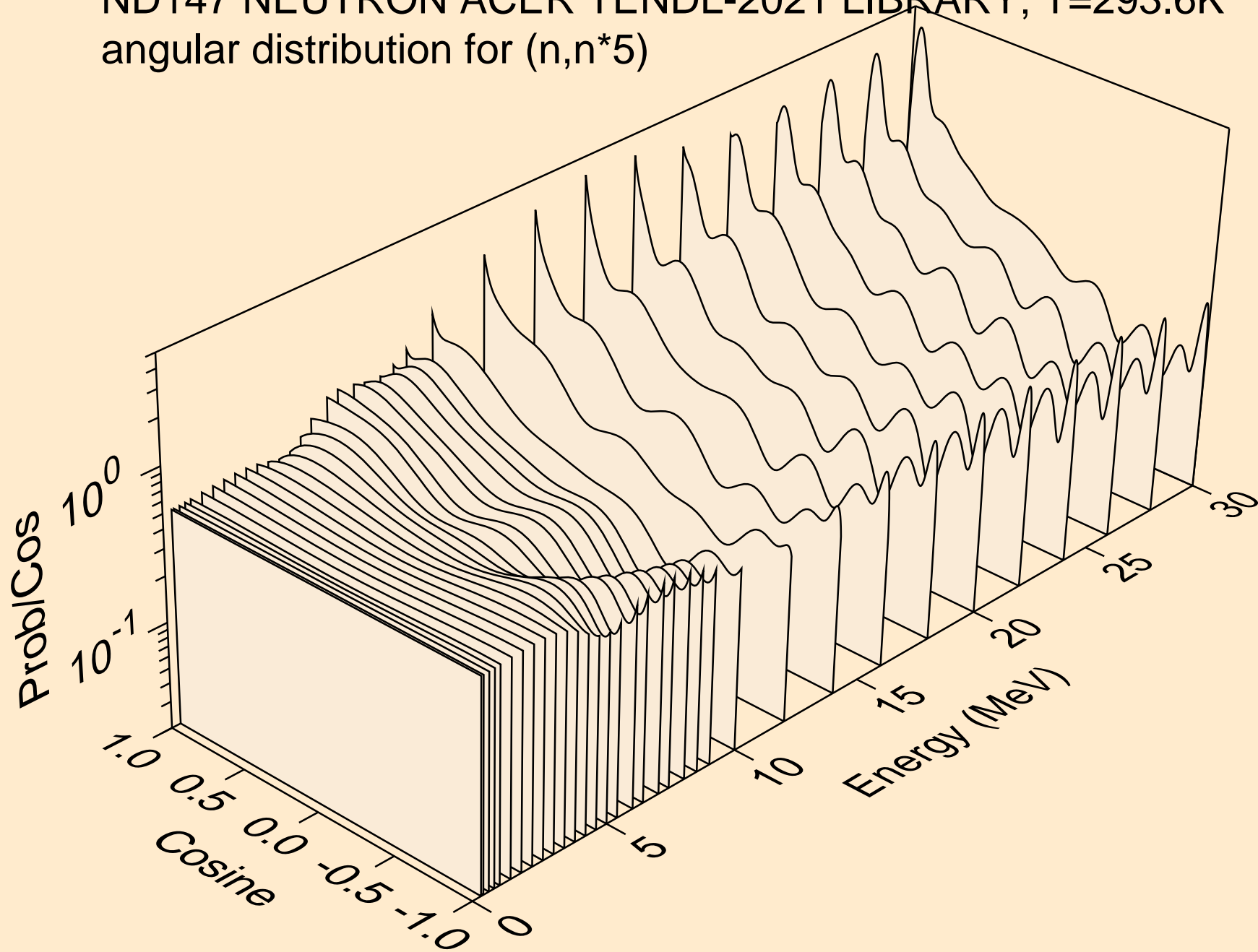
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*3)



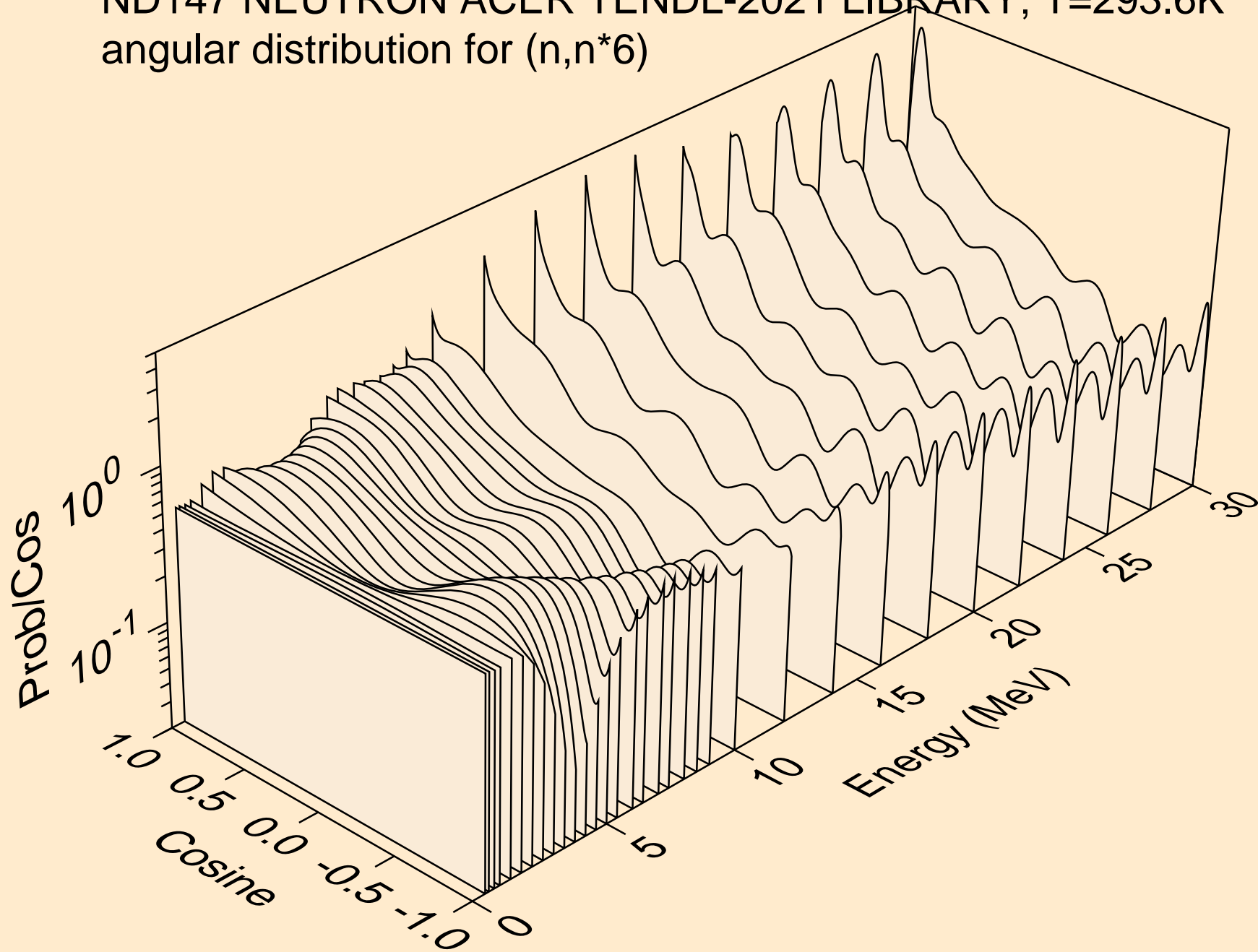
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*4)



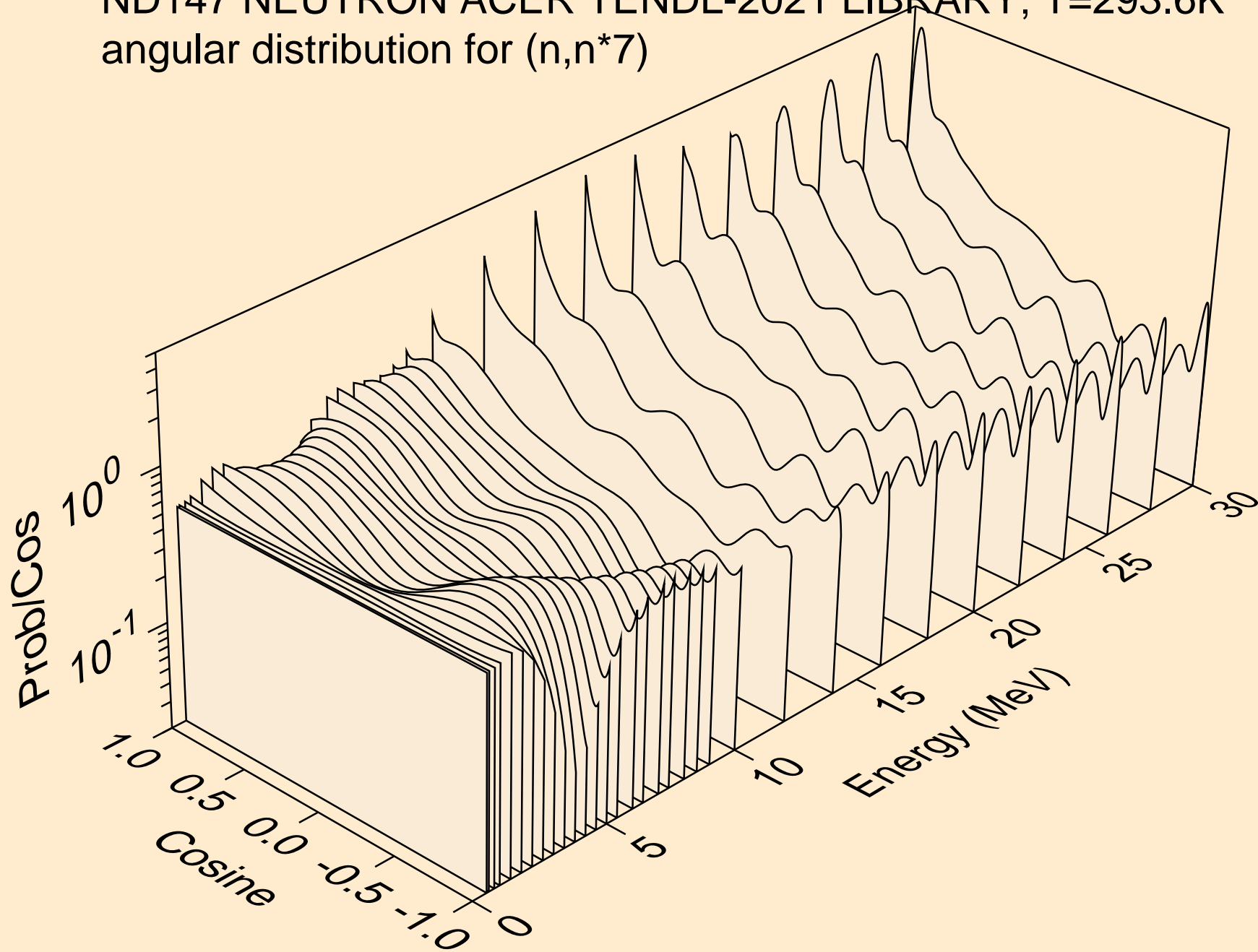
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*5)



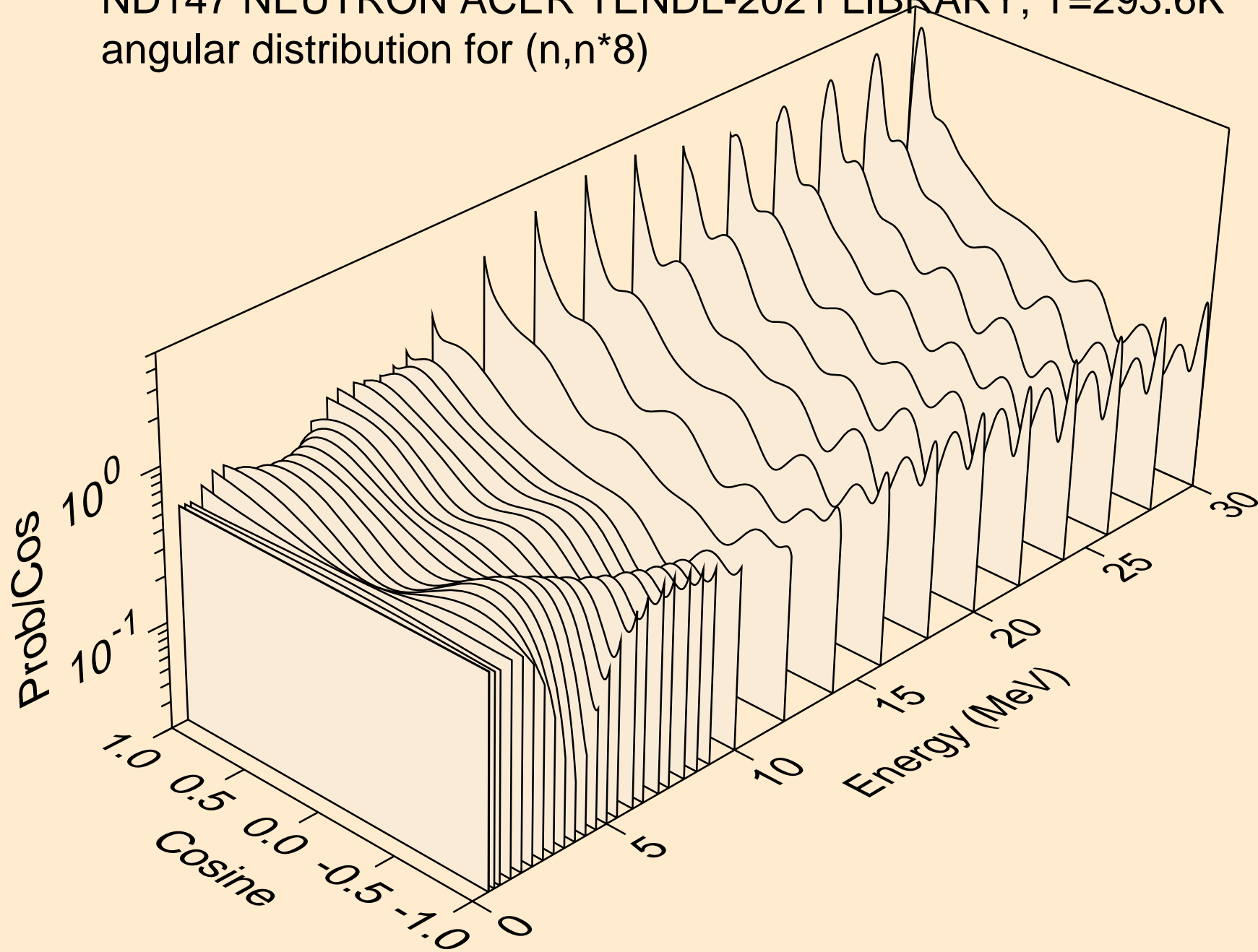
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*6)



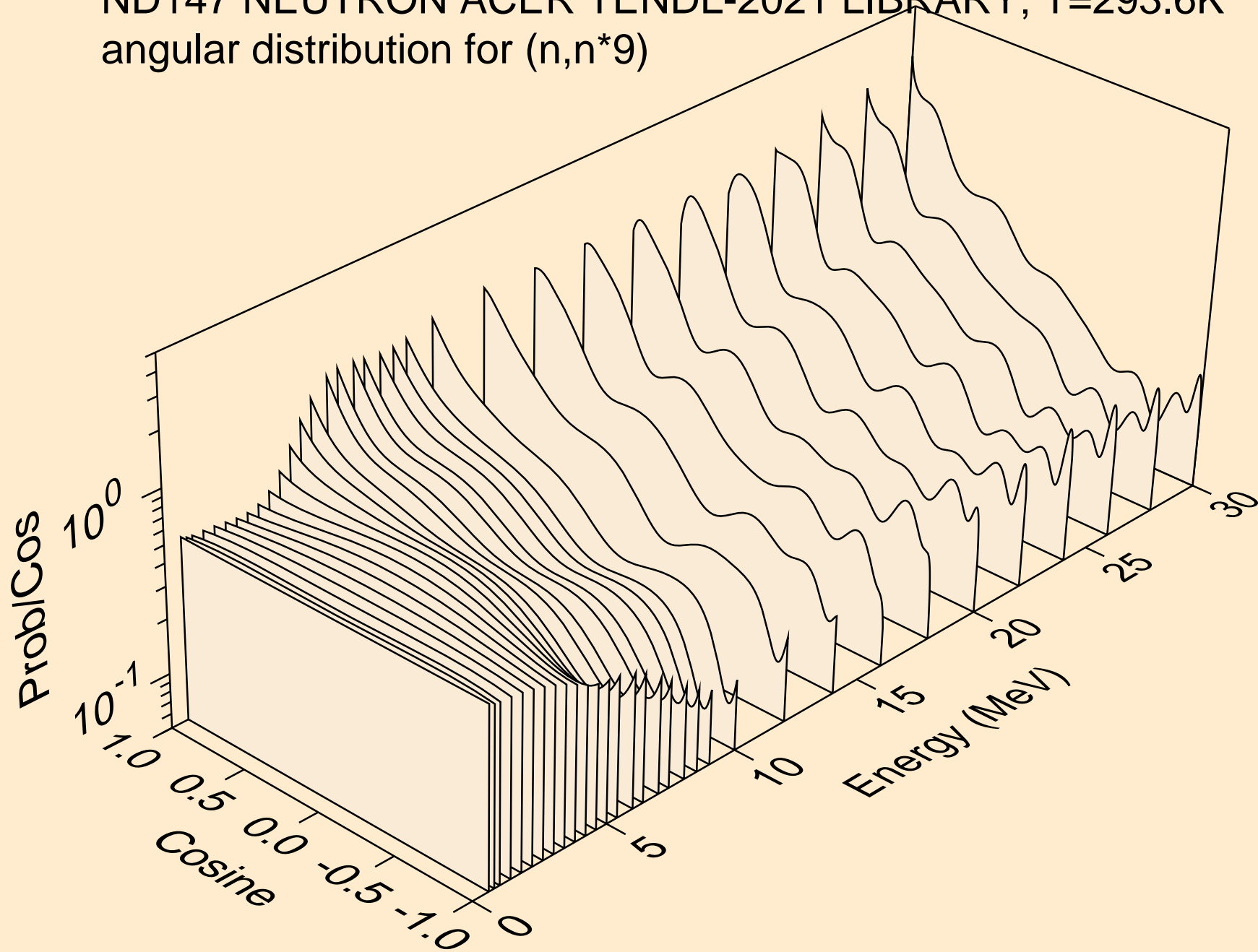
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angular distribution for (n,n*7)



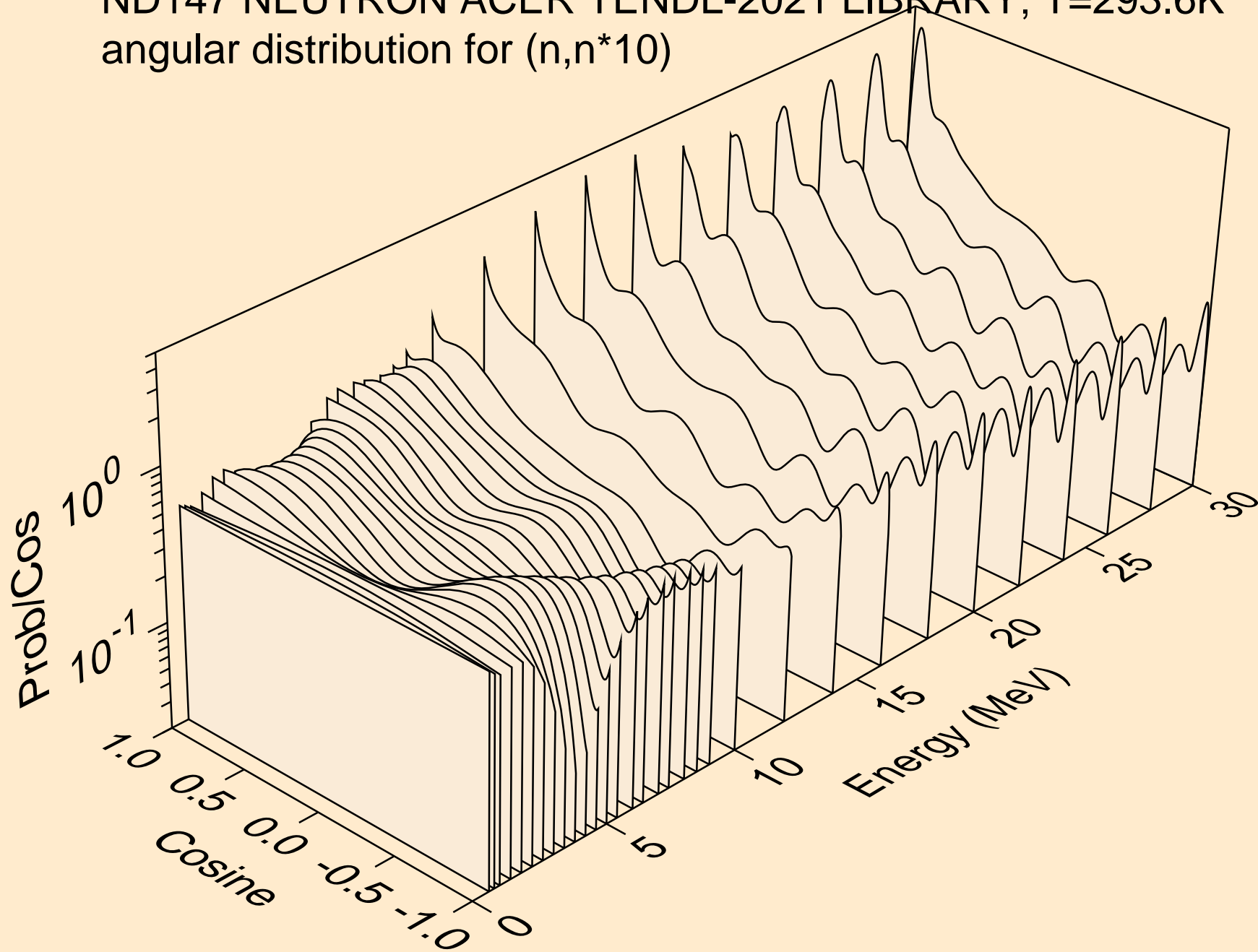
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angular distribution for (n,n*8)



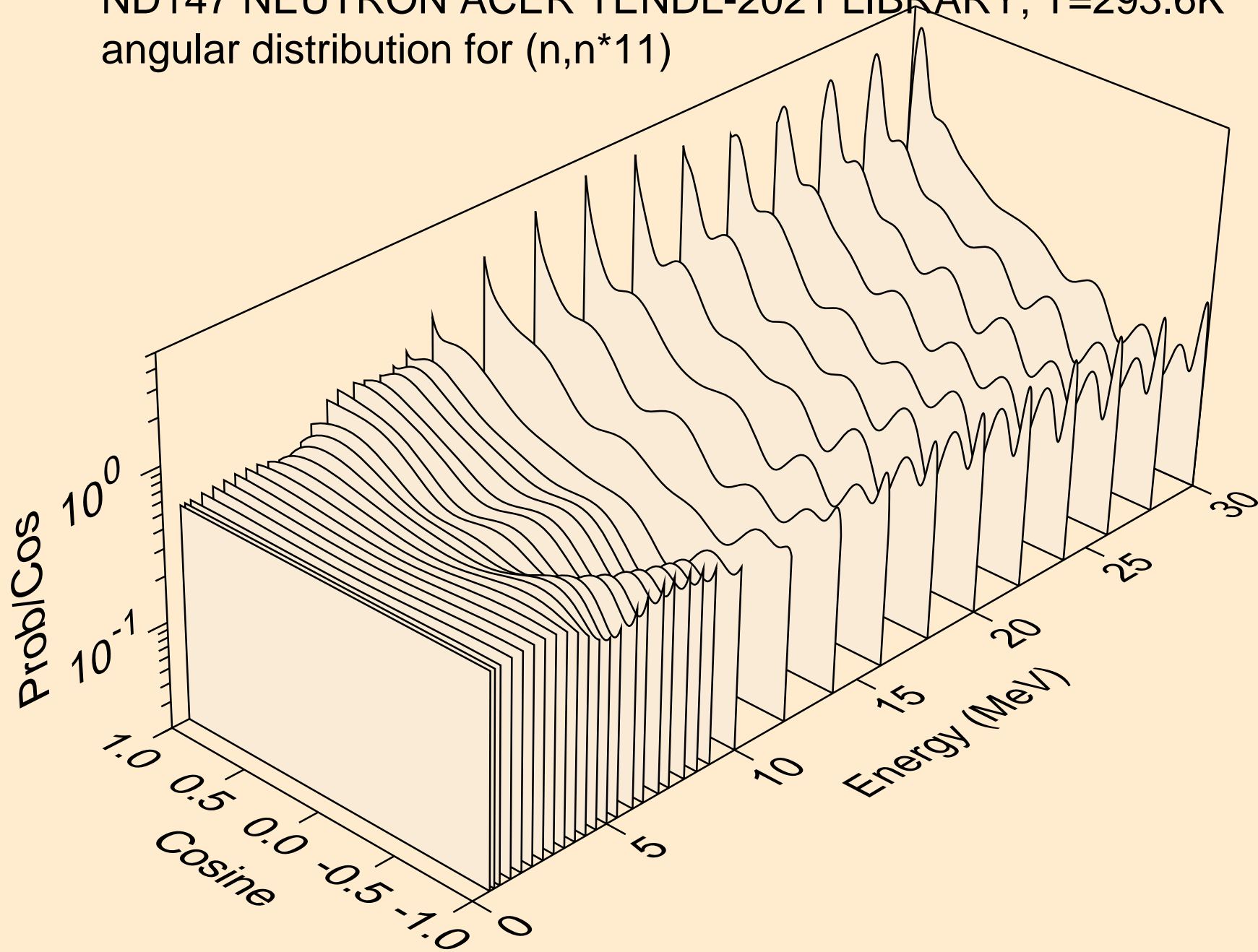
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angular distribution for (n,n*9)



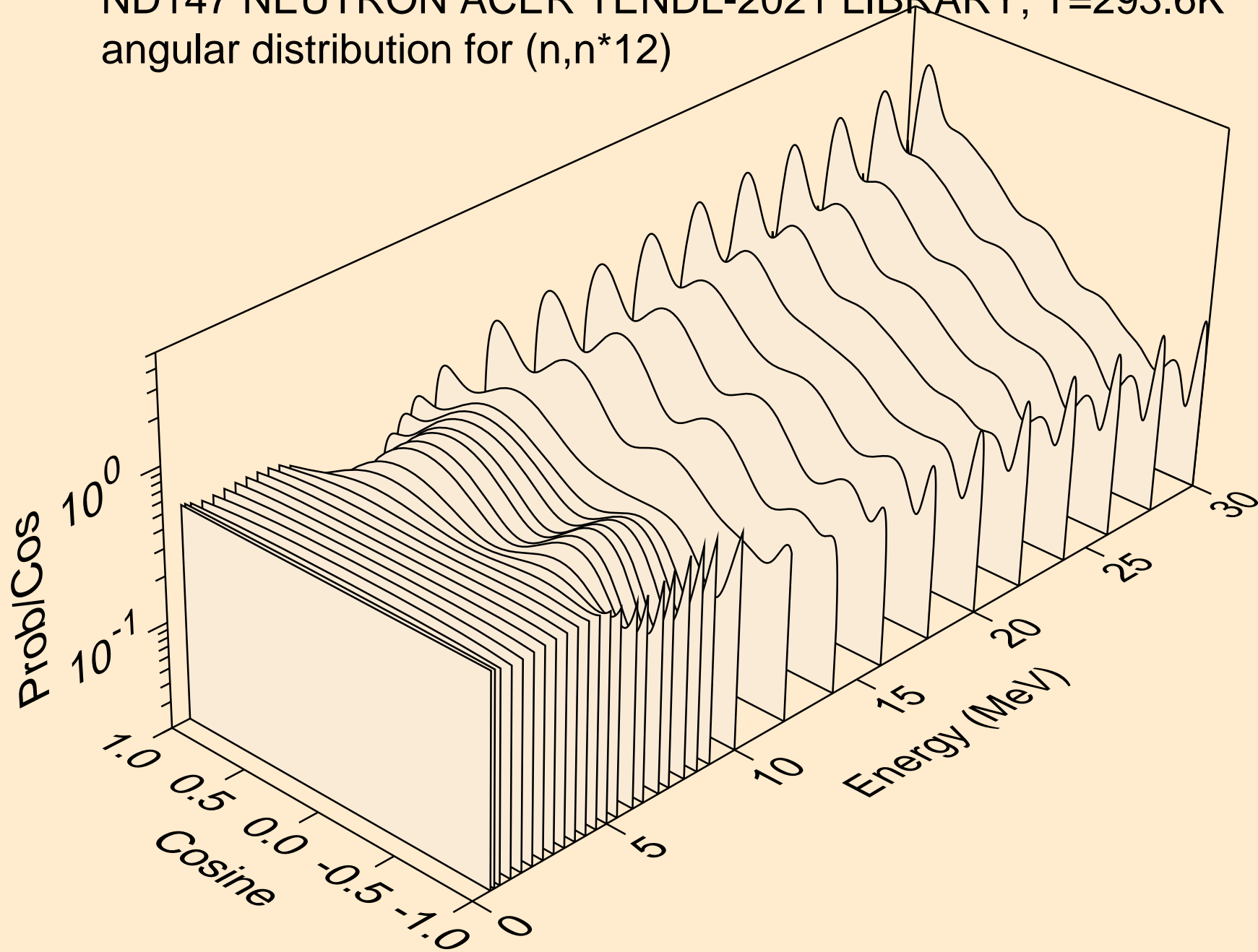
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angular distribution for (n,n*10)



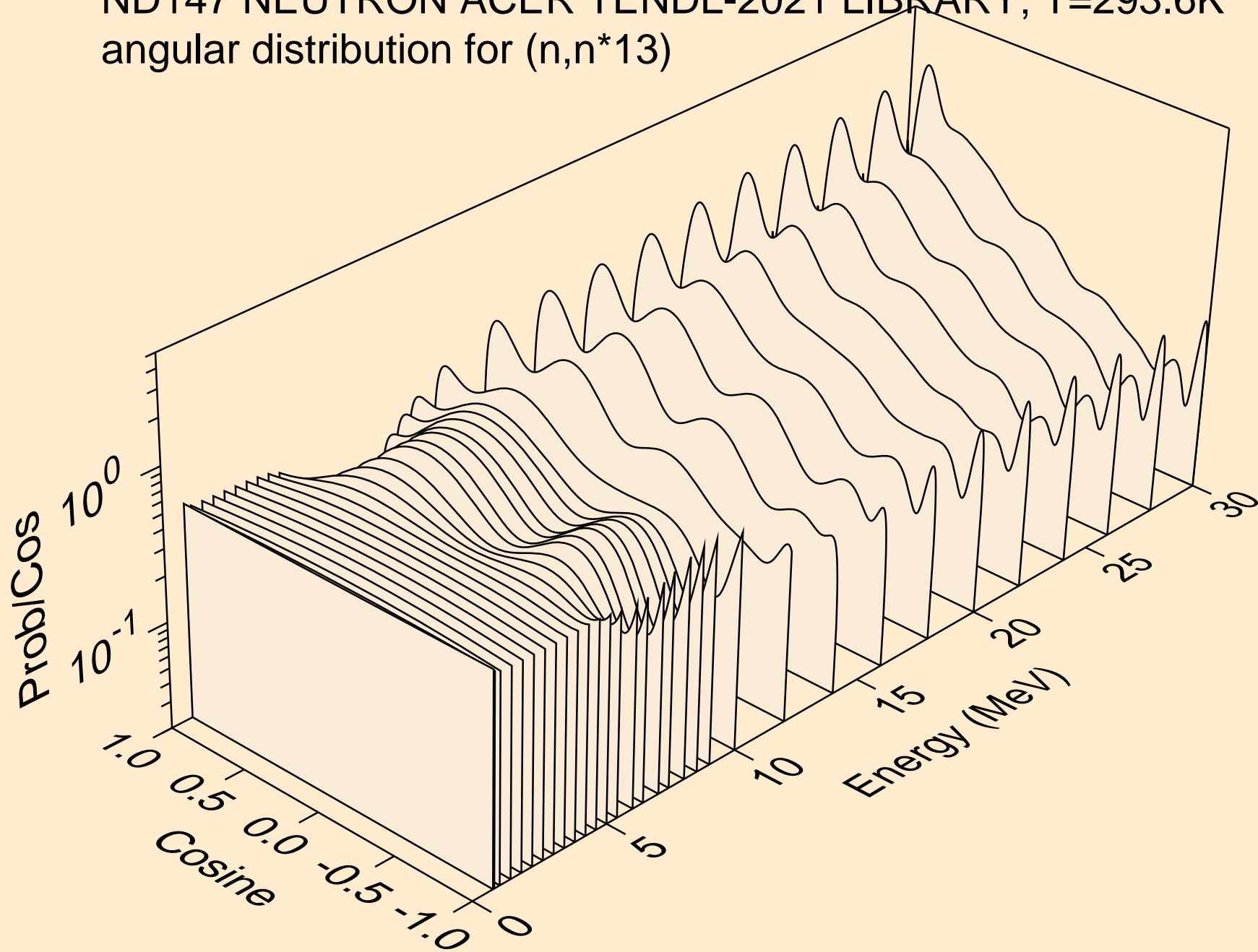
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*11)



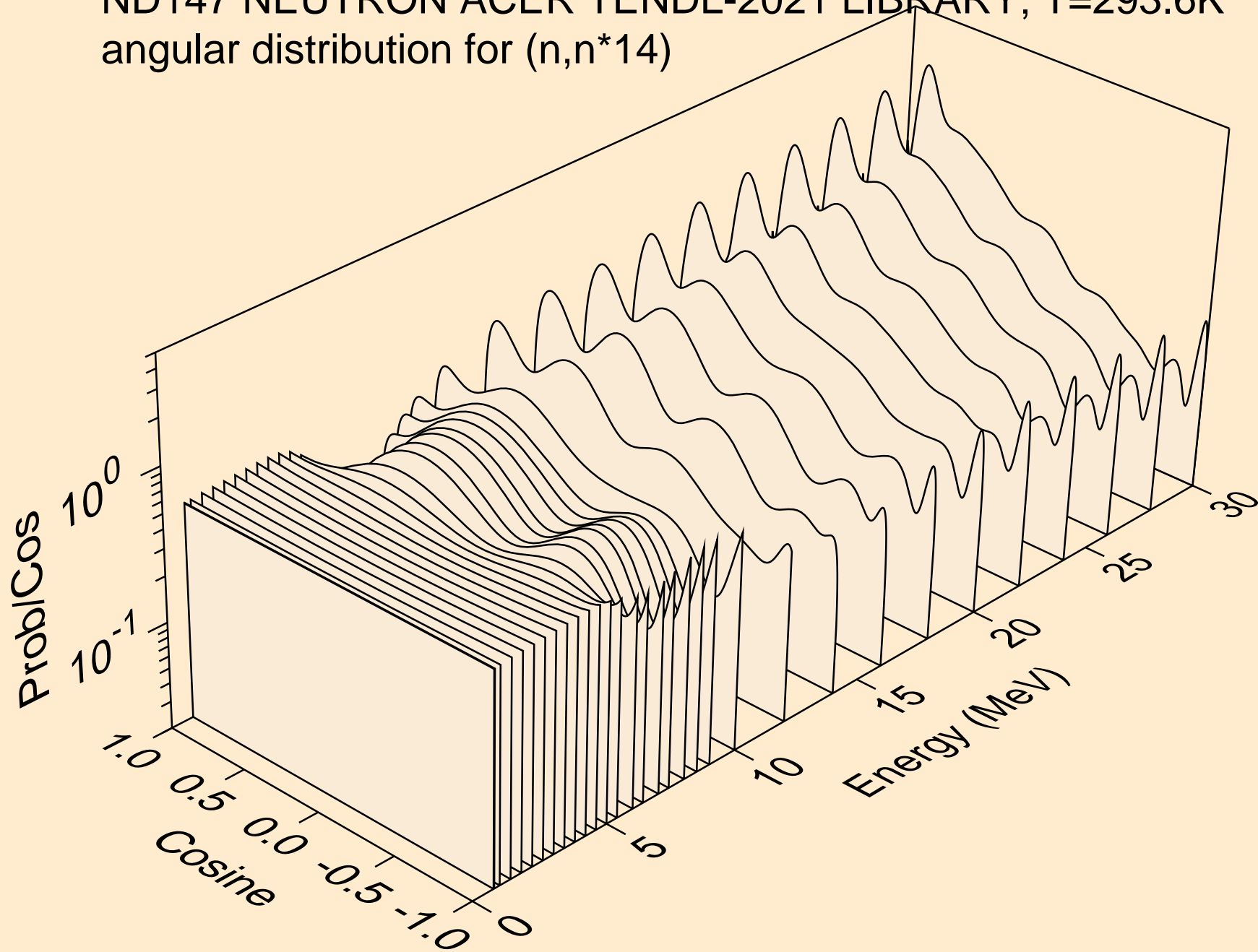
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*12)



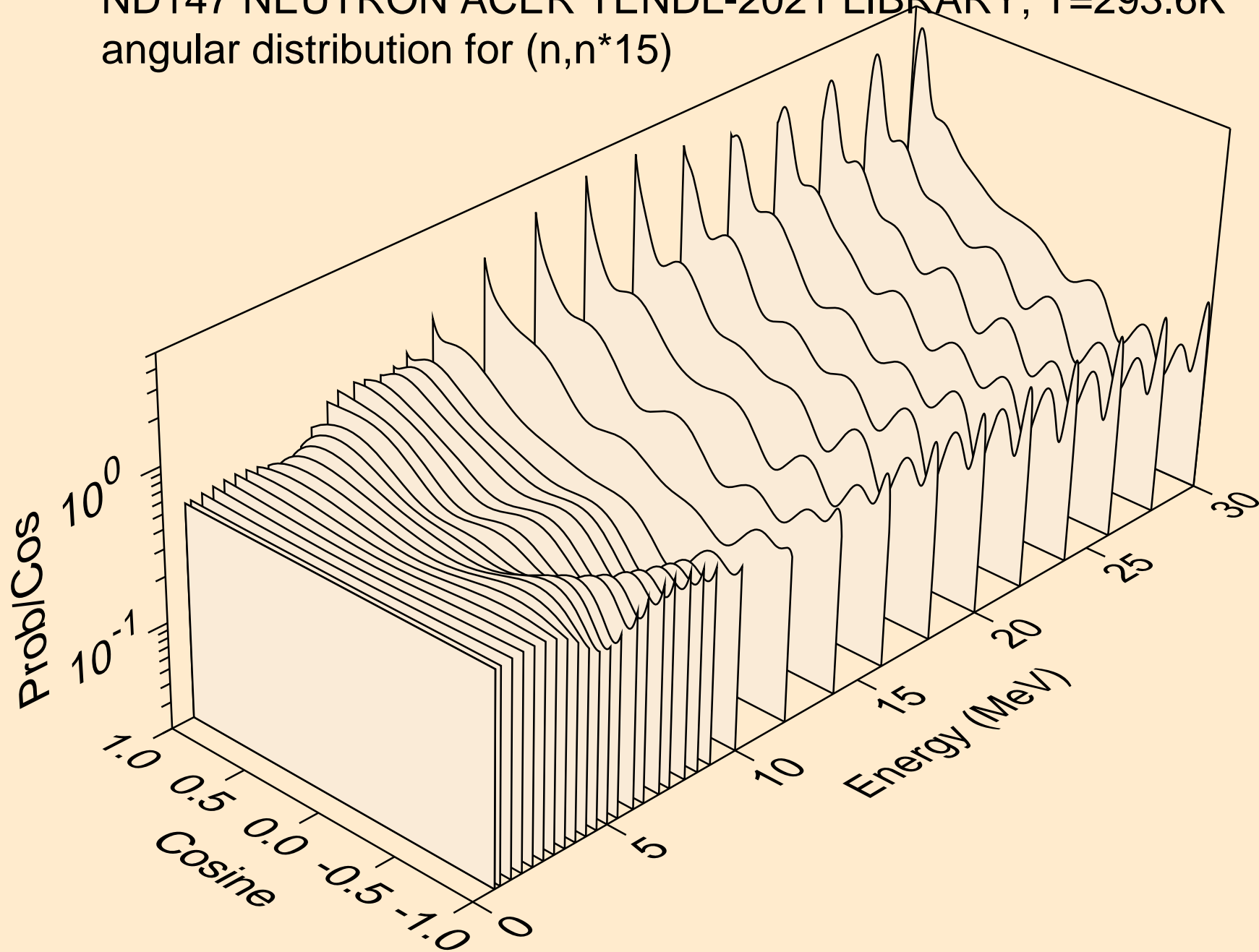
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*13)



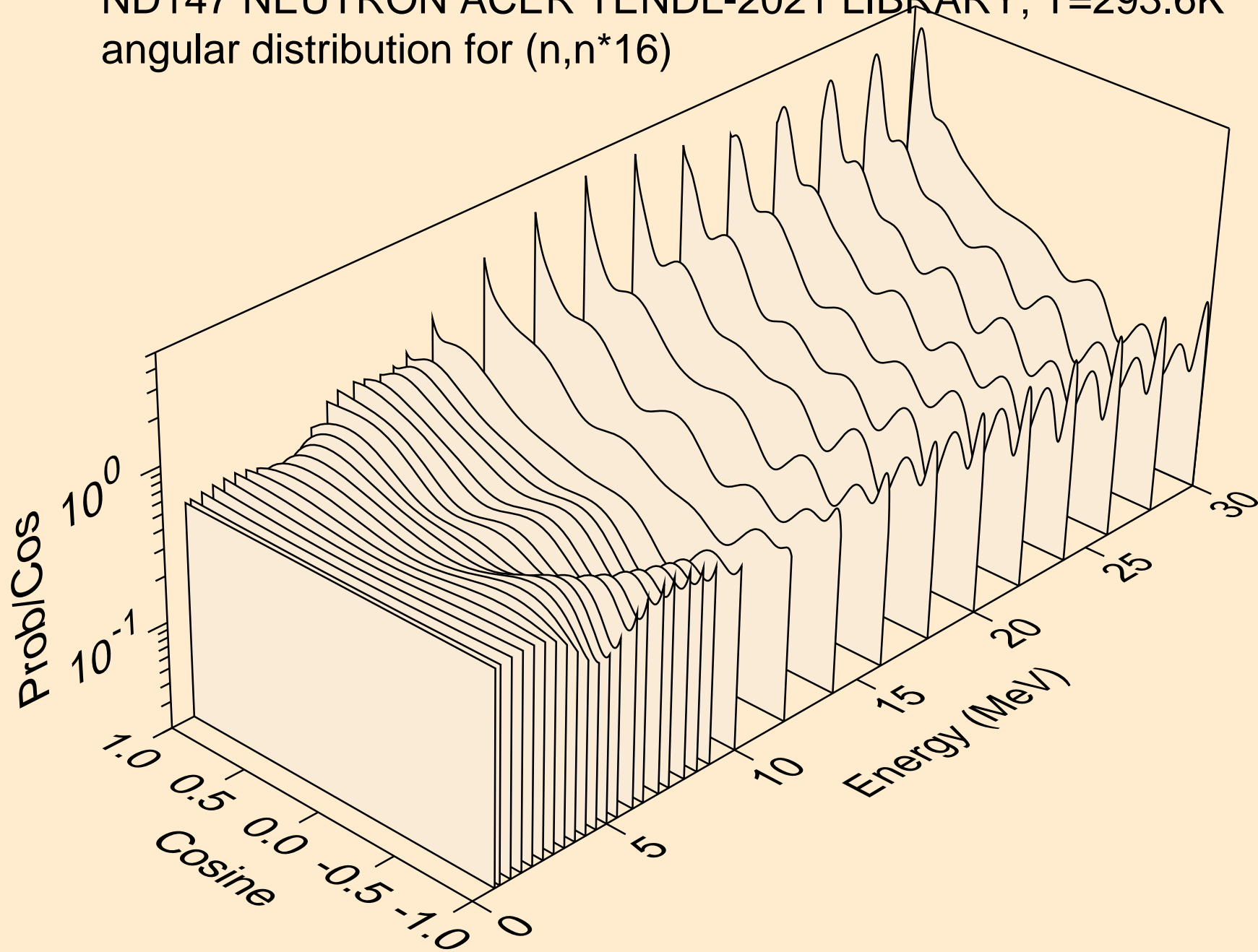
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angular distribution for (n,n*14)



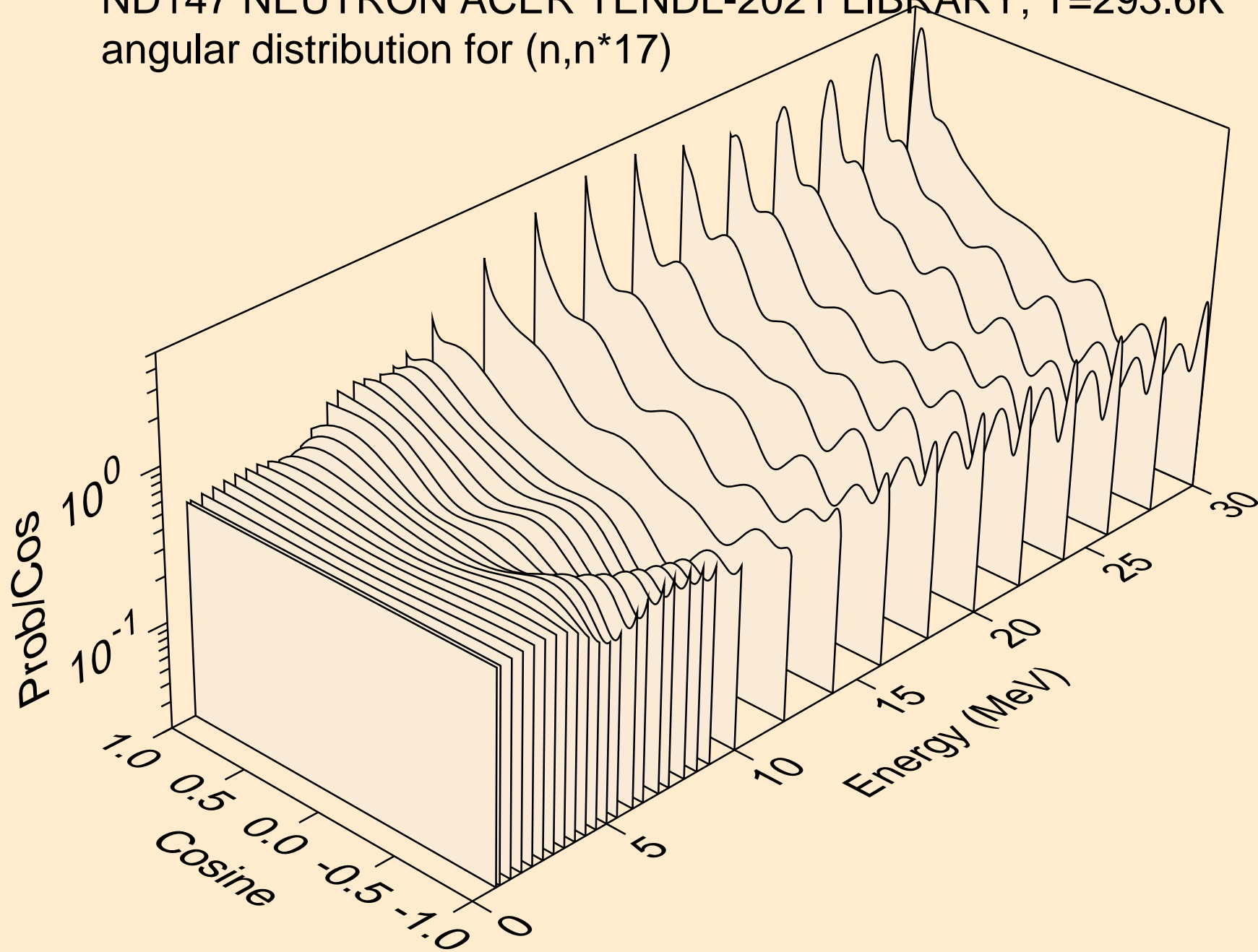
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angular distribution for (n,n*15)



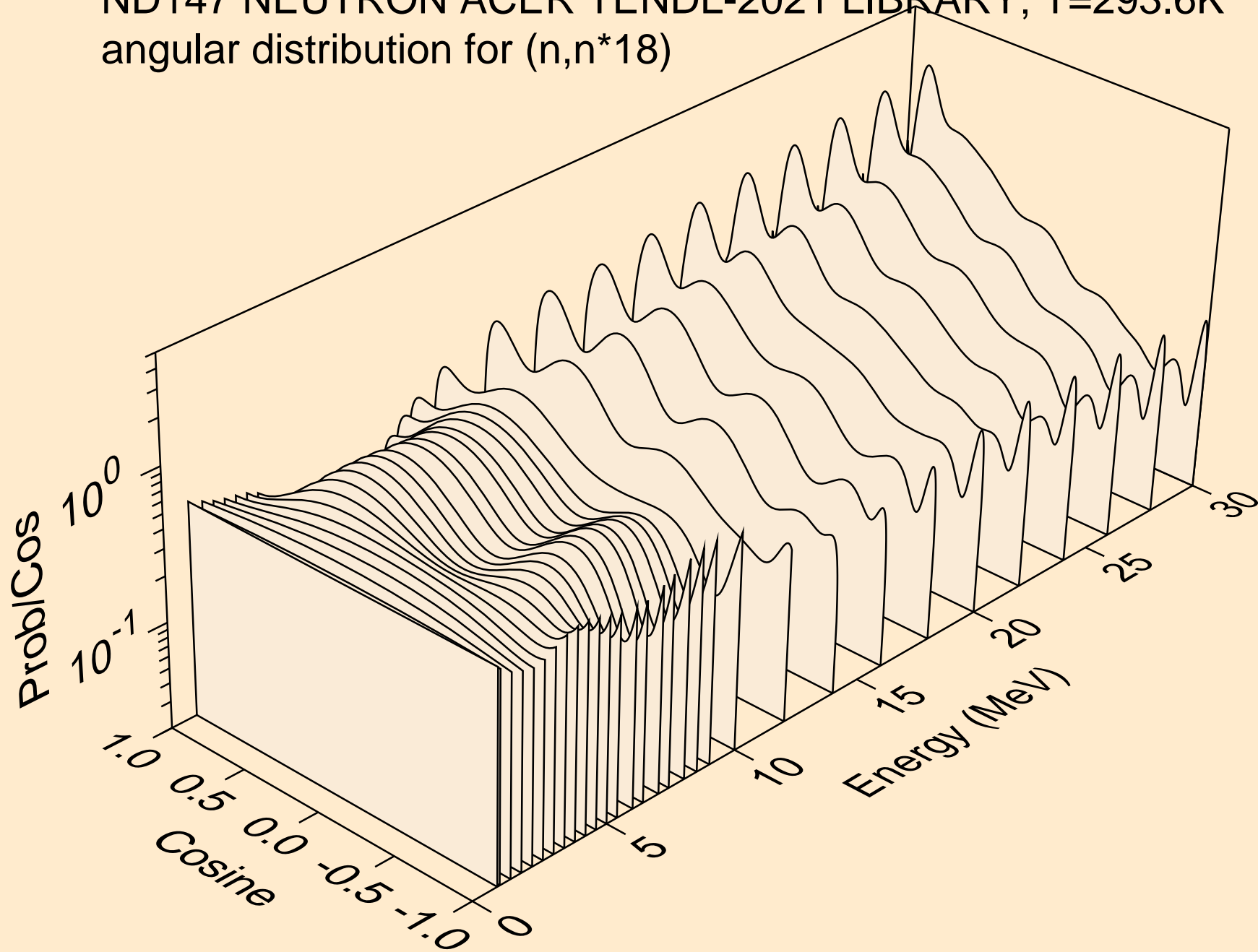
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*16)



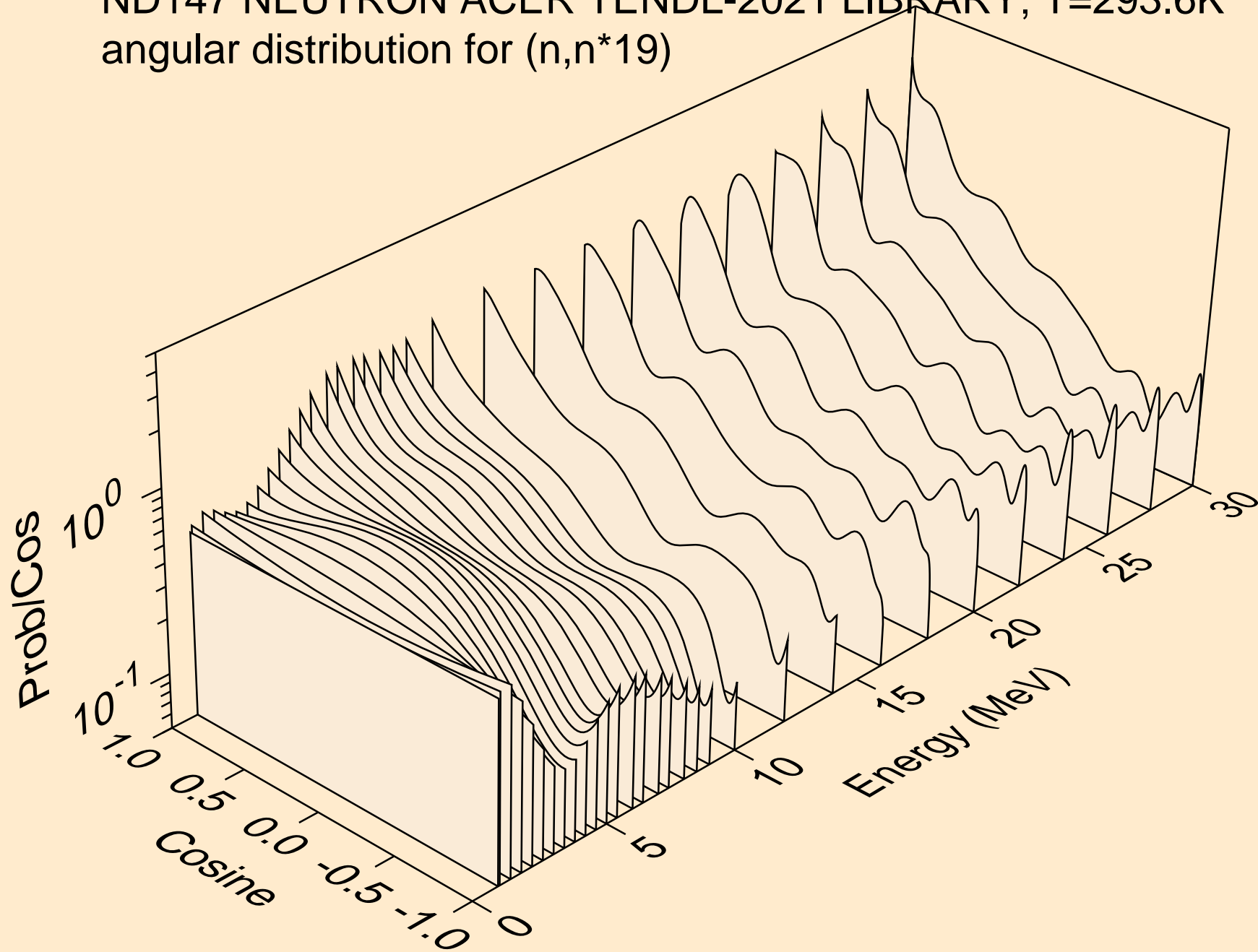
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angular distribution for (n,n*17)



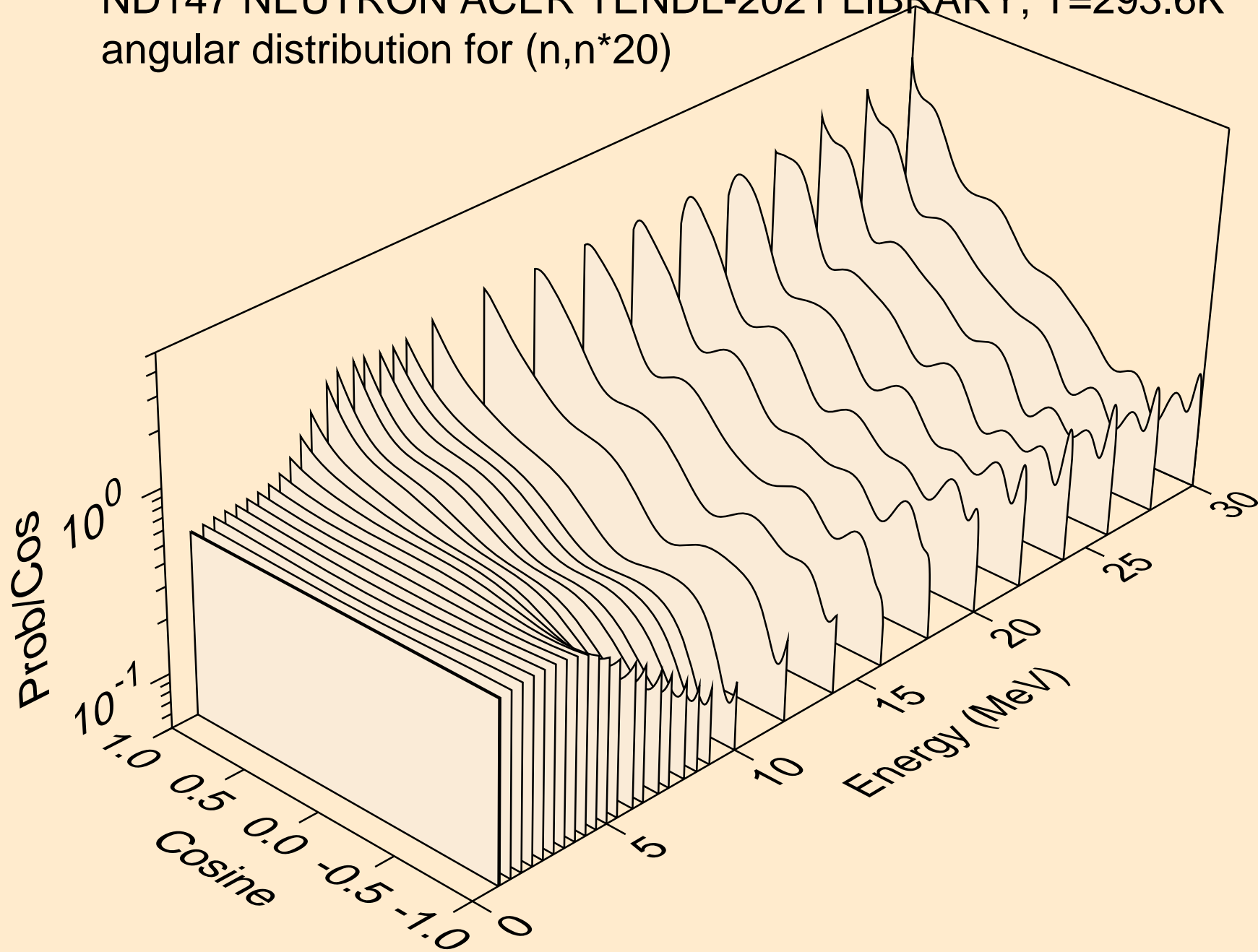
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*18)



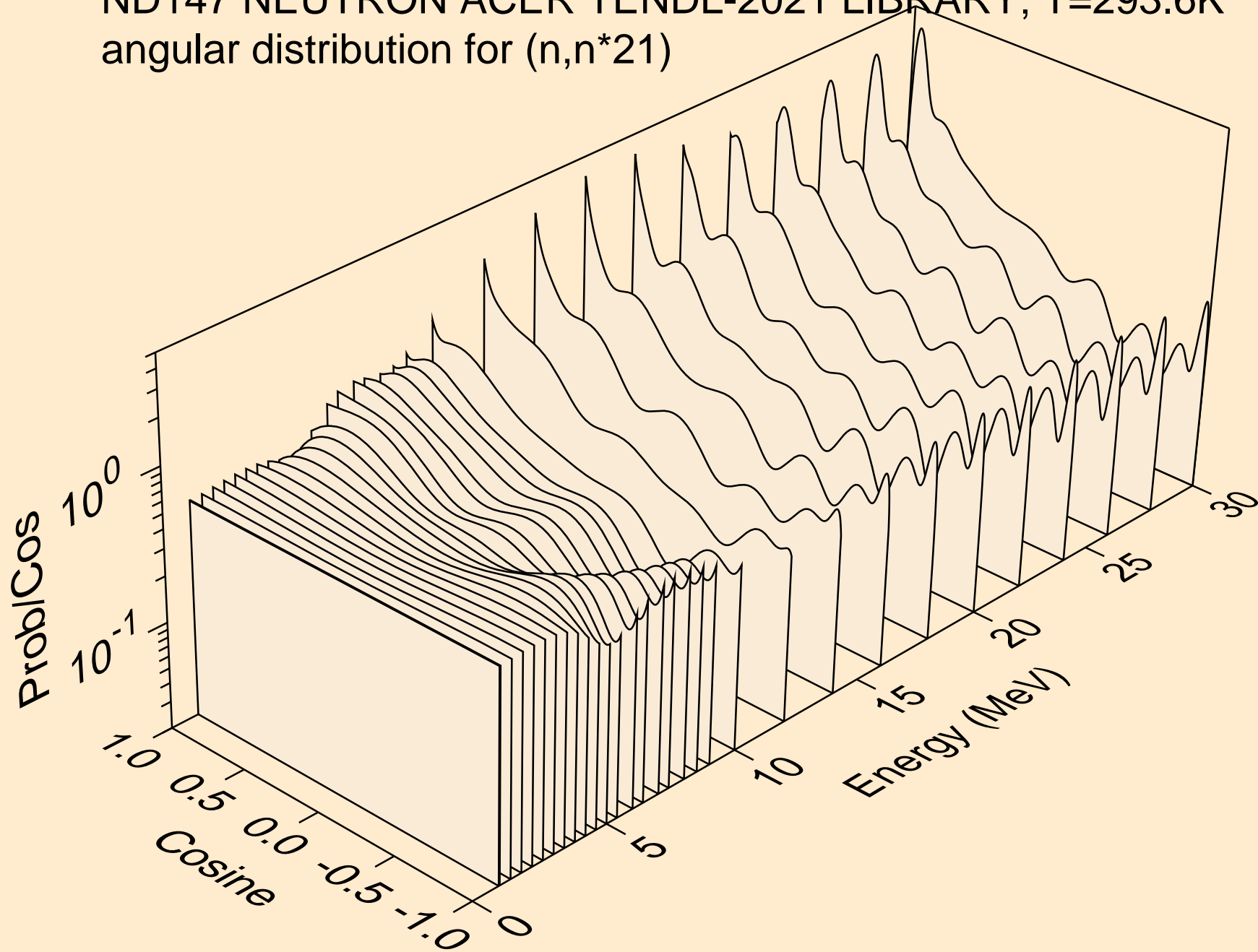
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*19)



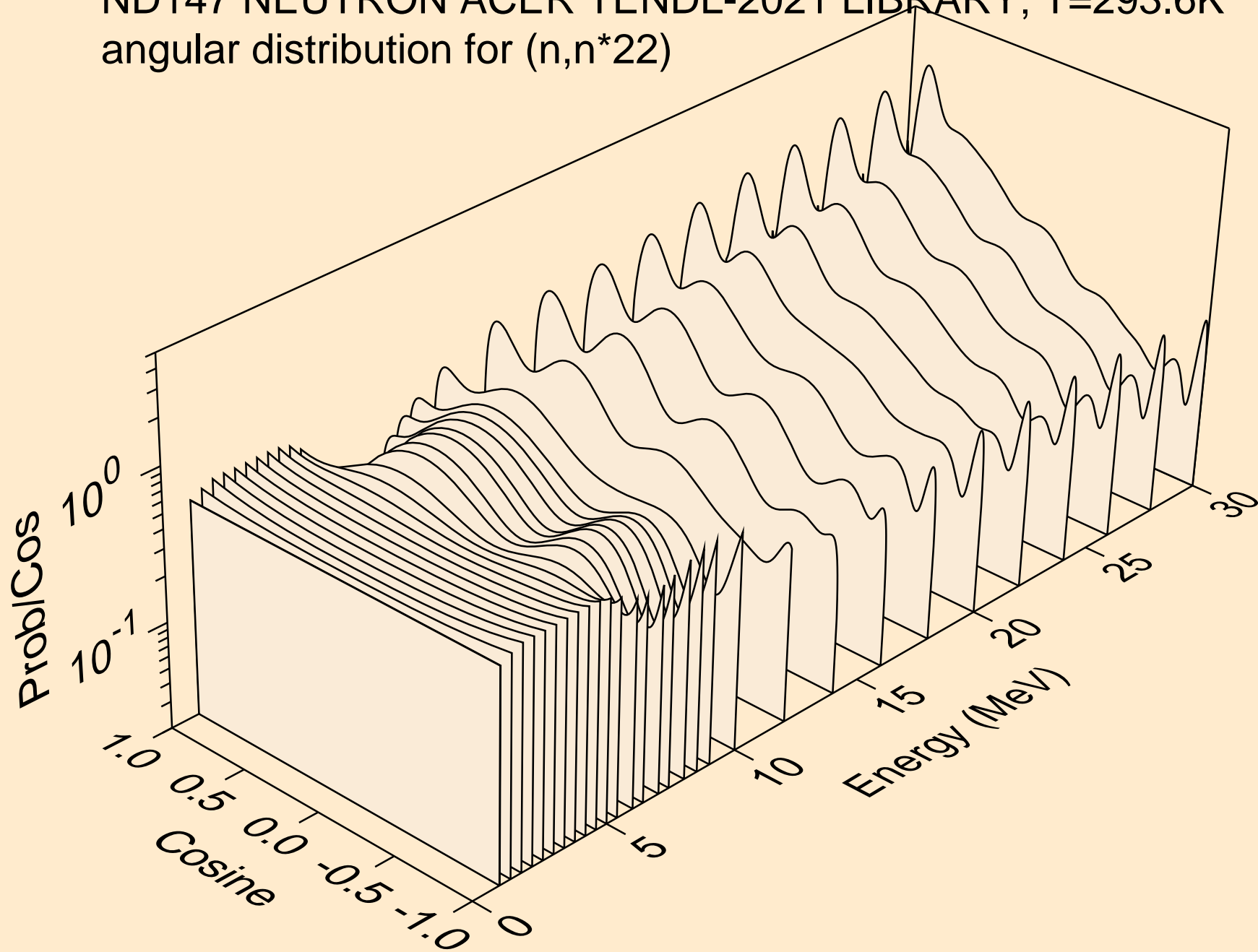
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angular distribution for (n,n*20)



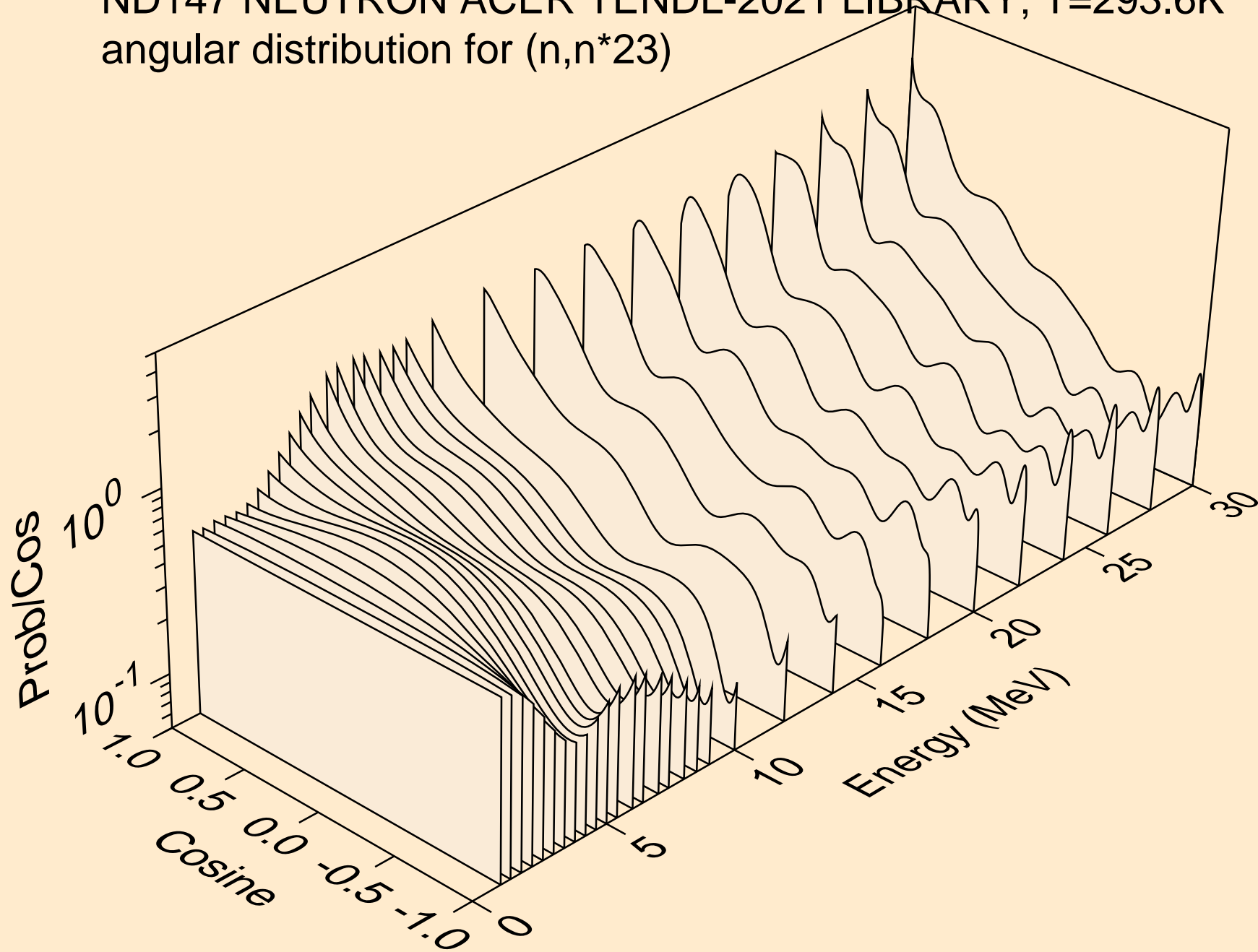
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*21)



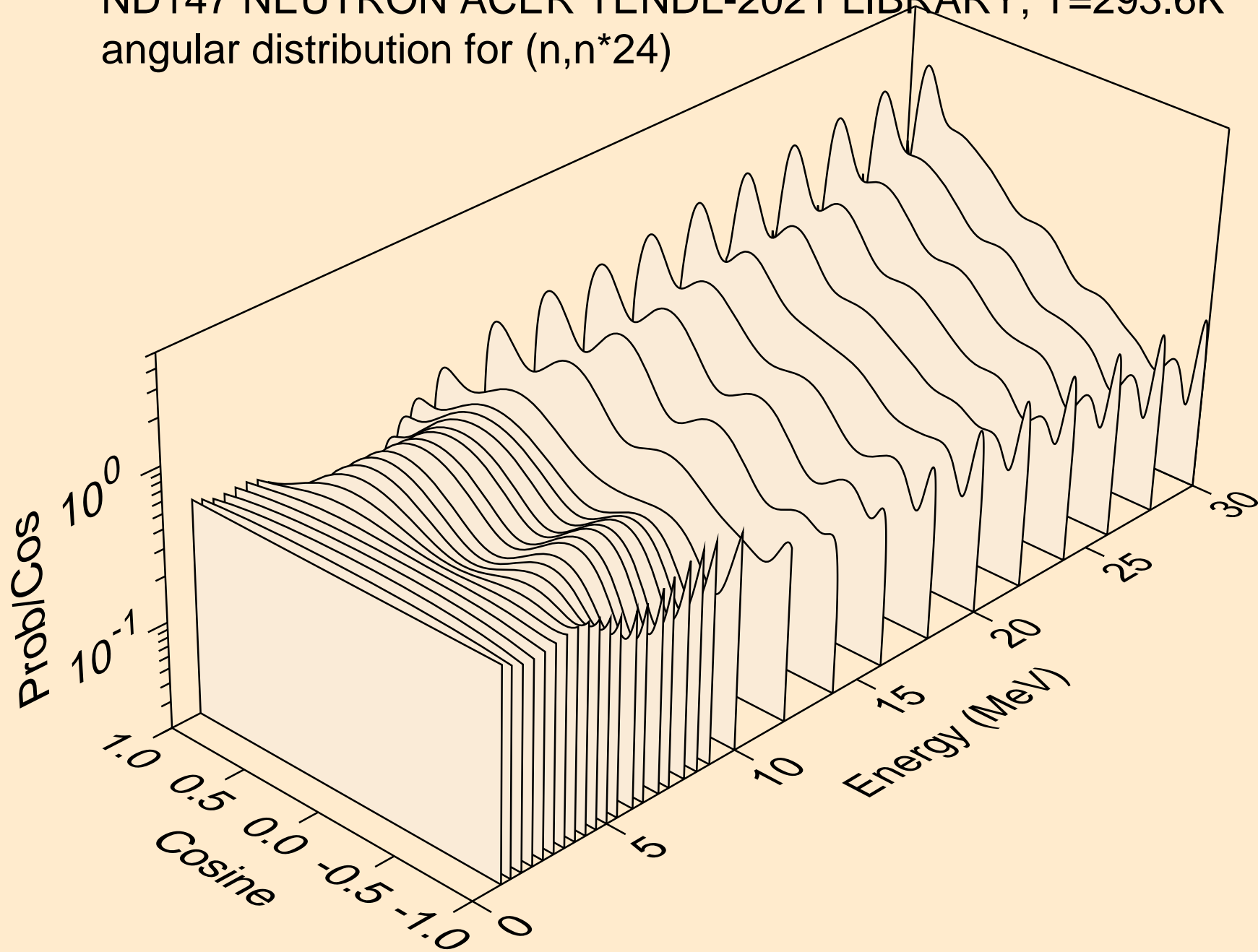
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*22)



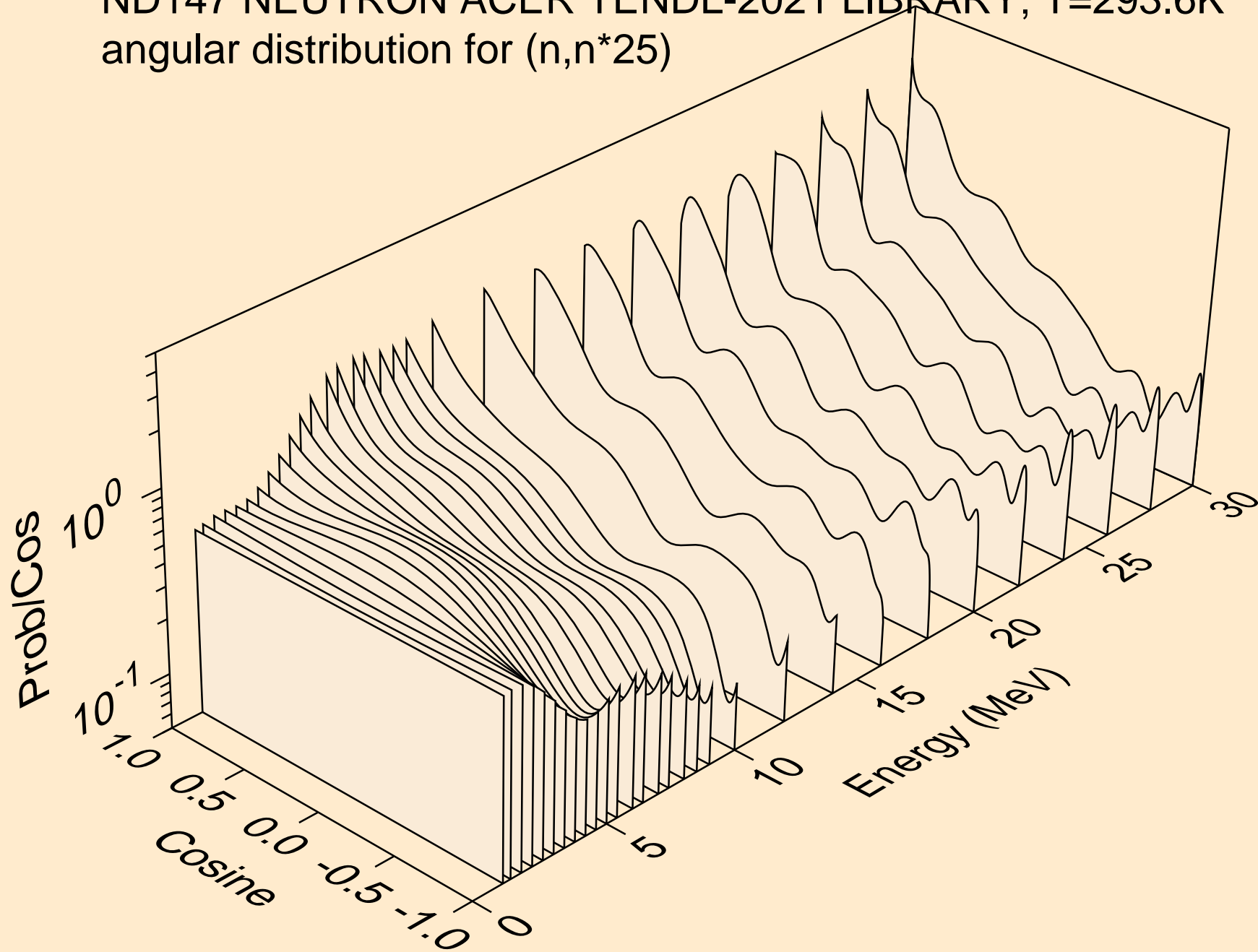
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angular distribution for (n,n*23)



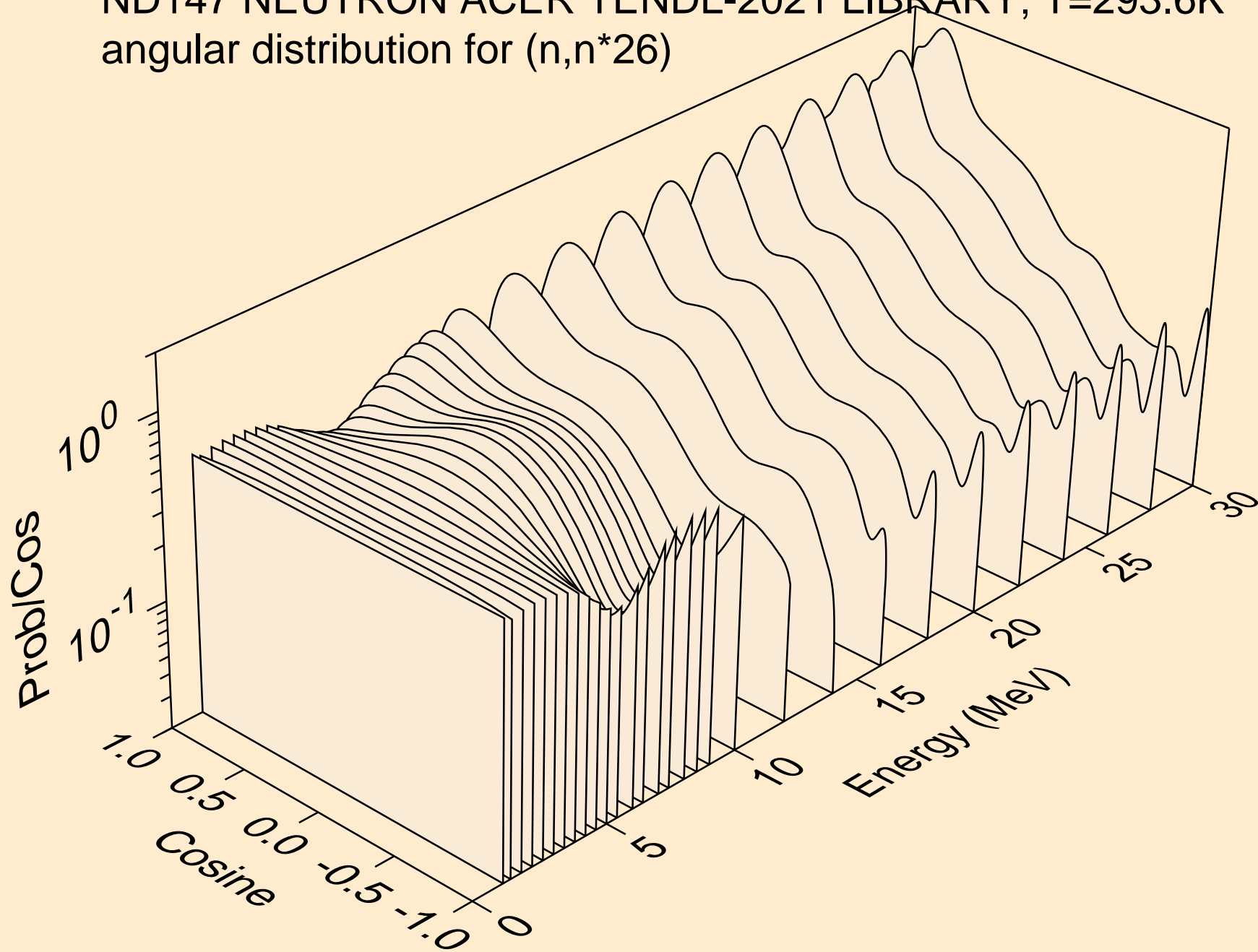
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*24)



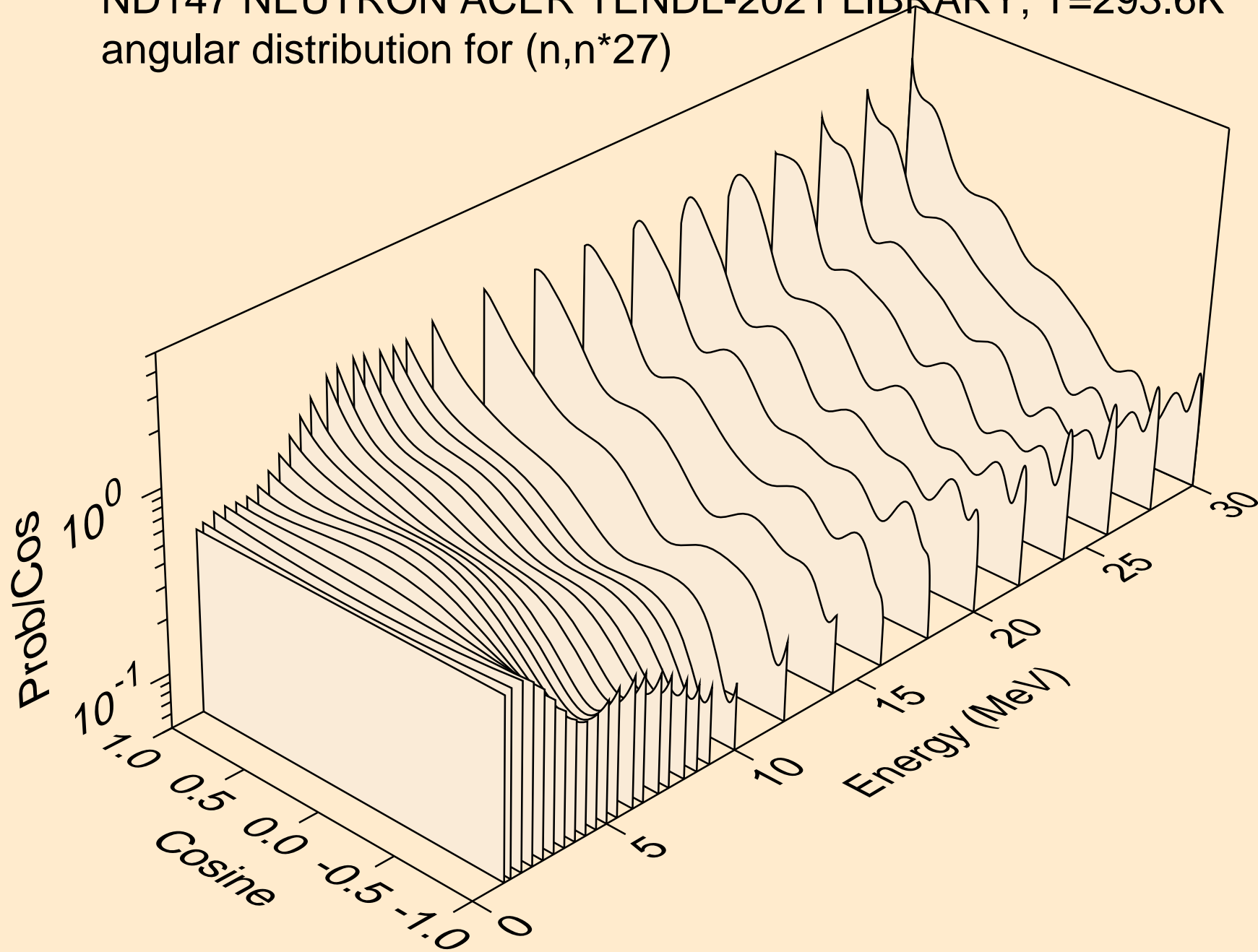
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*25)



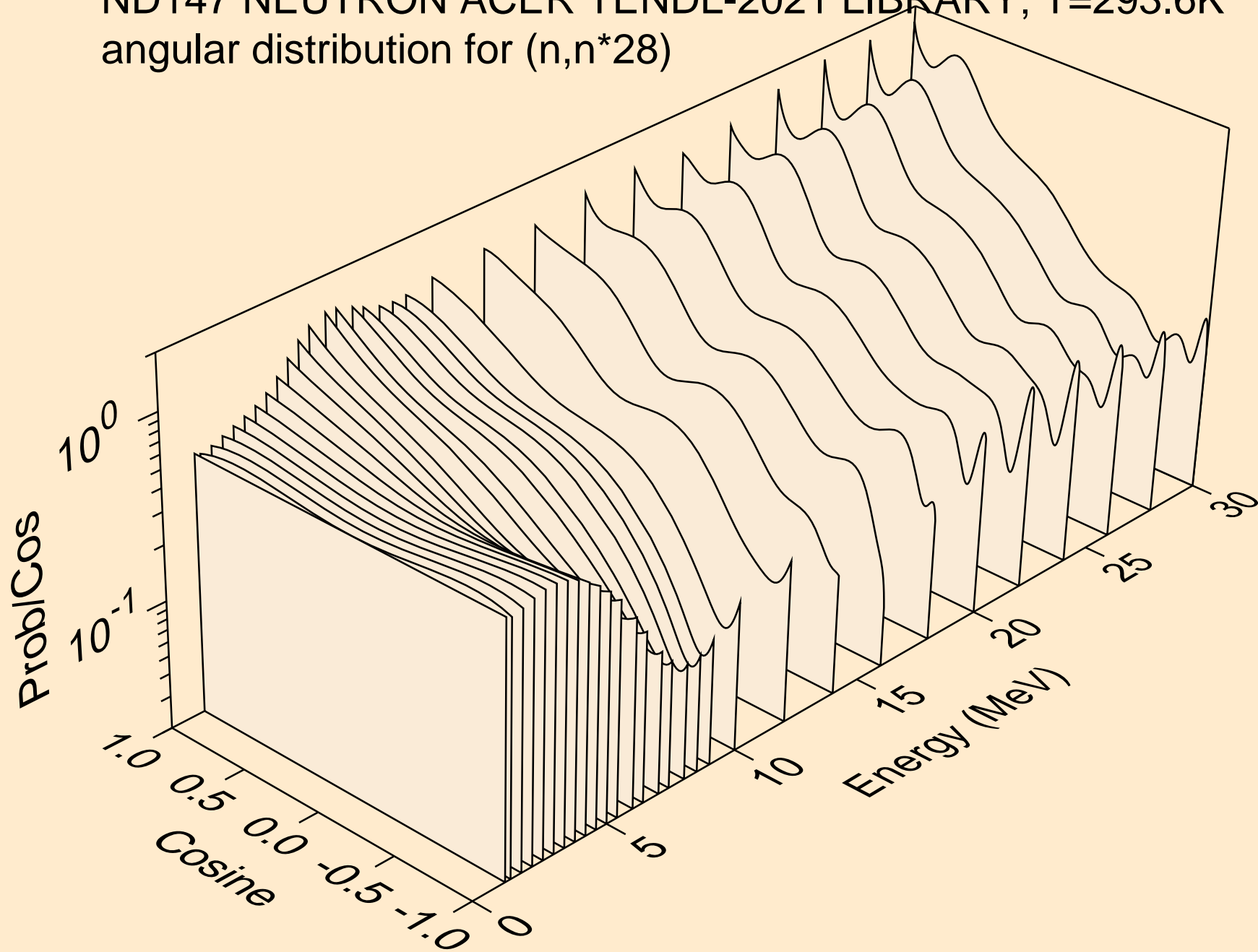
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*26)



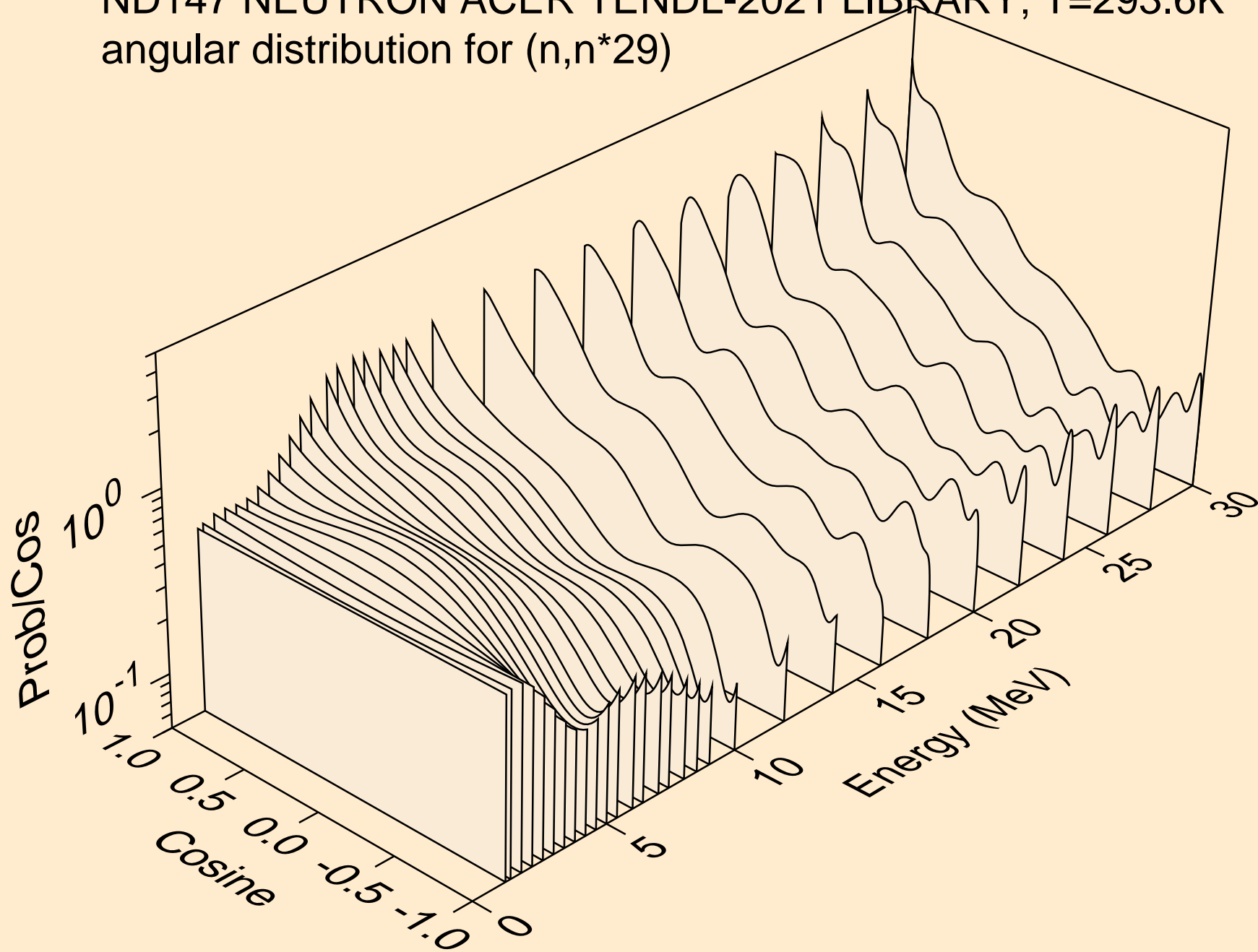
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*27)



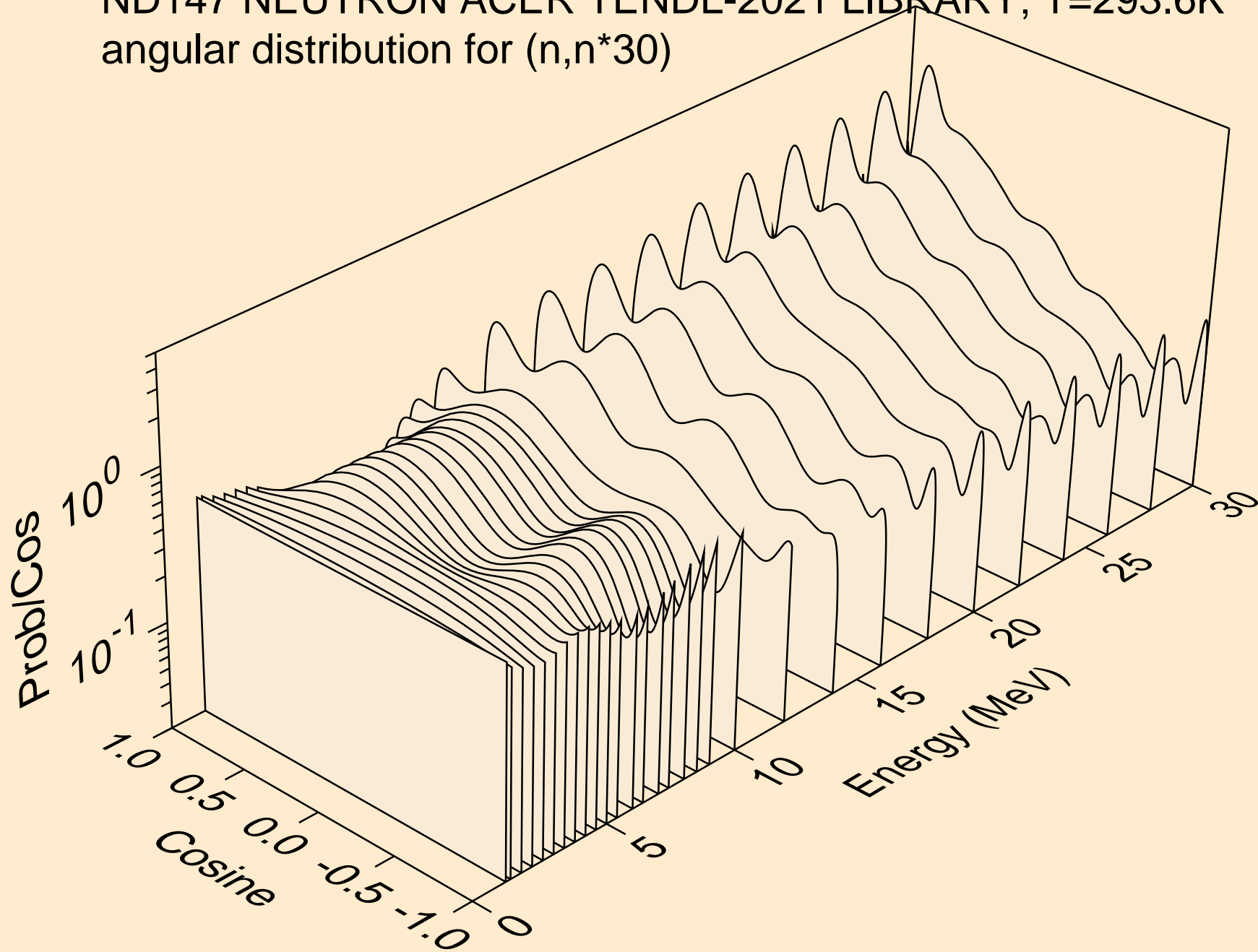
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*28)



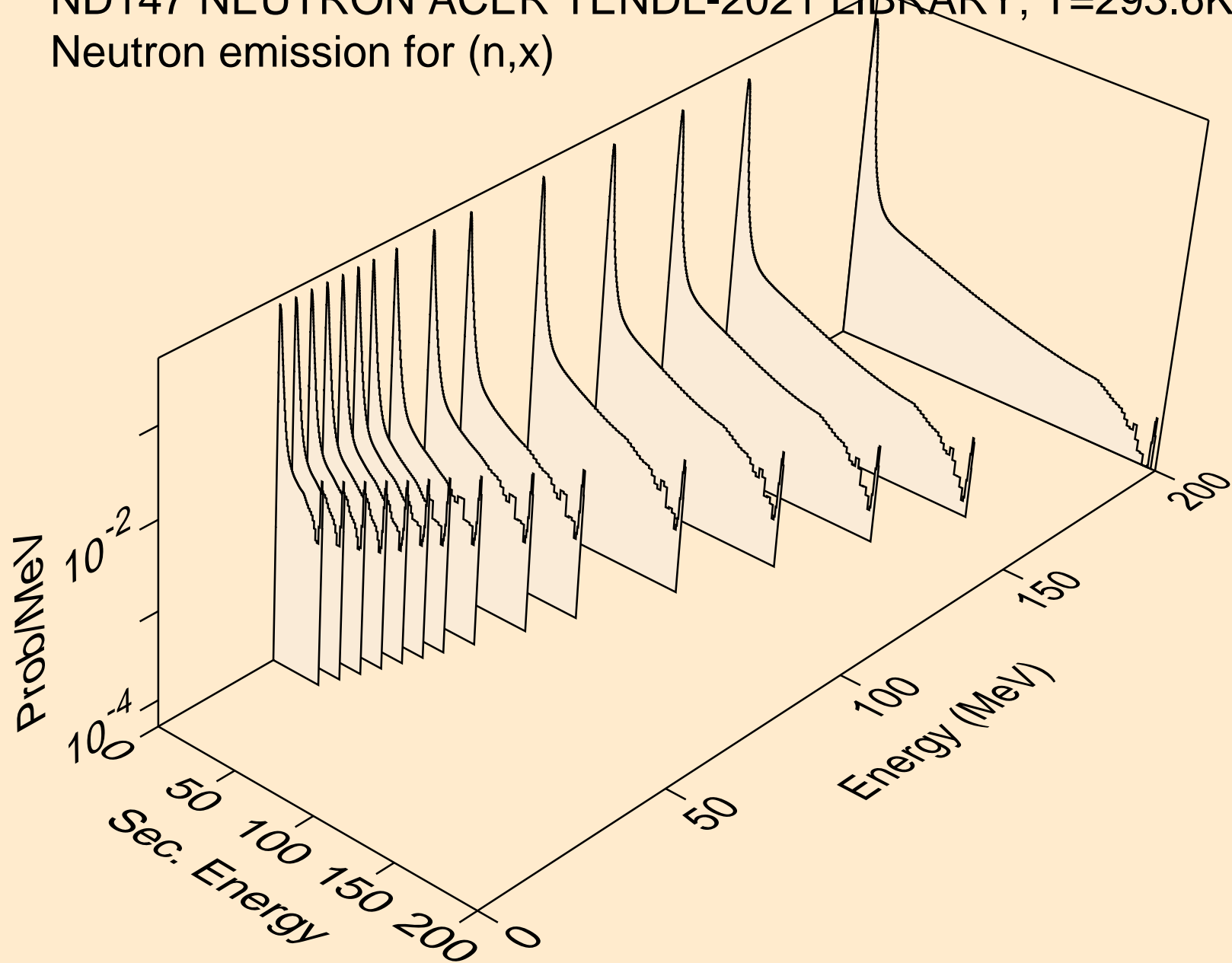
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*29)



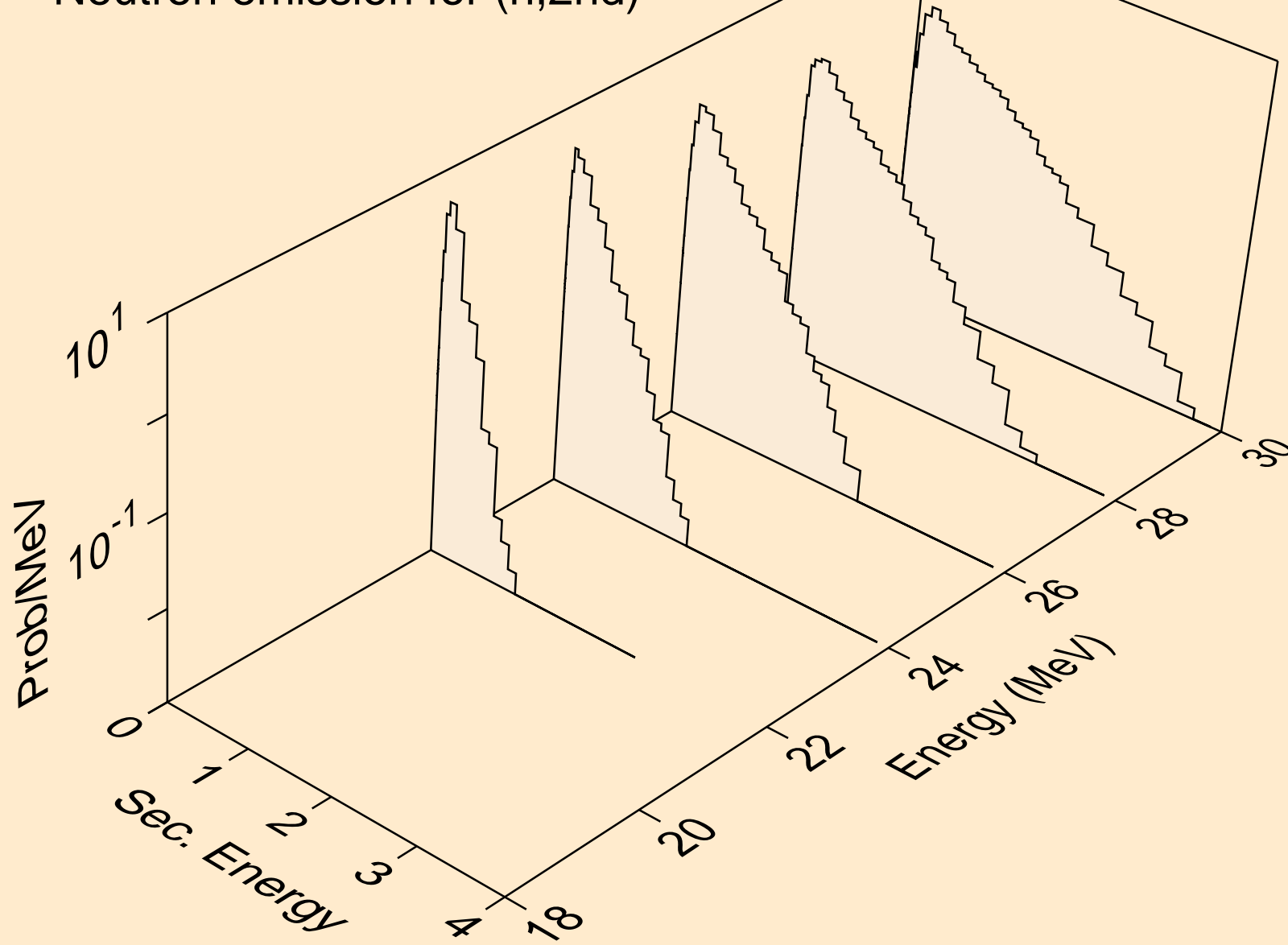
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*30)



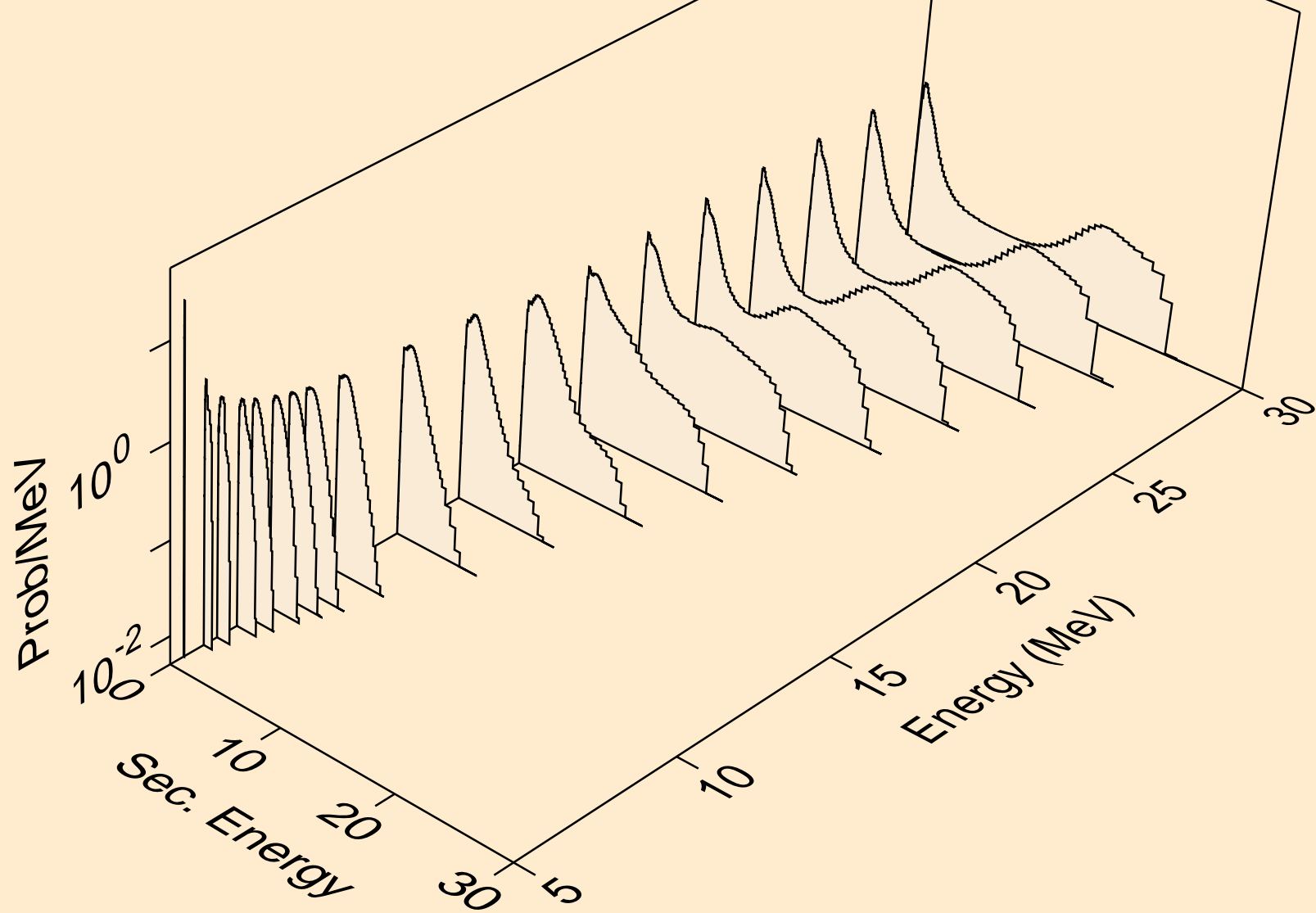
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,x)



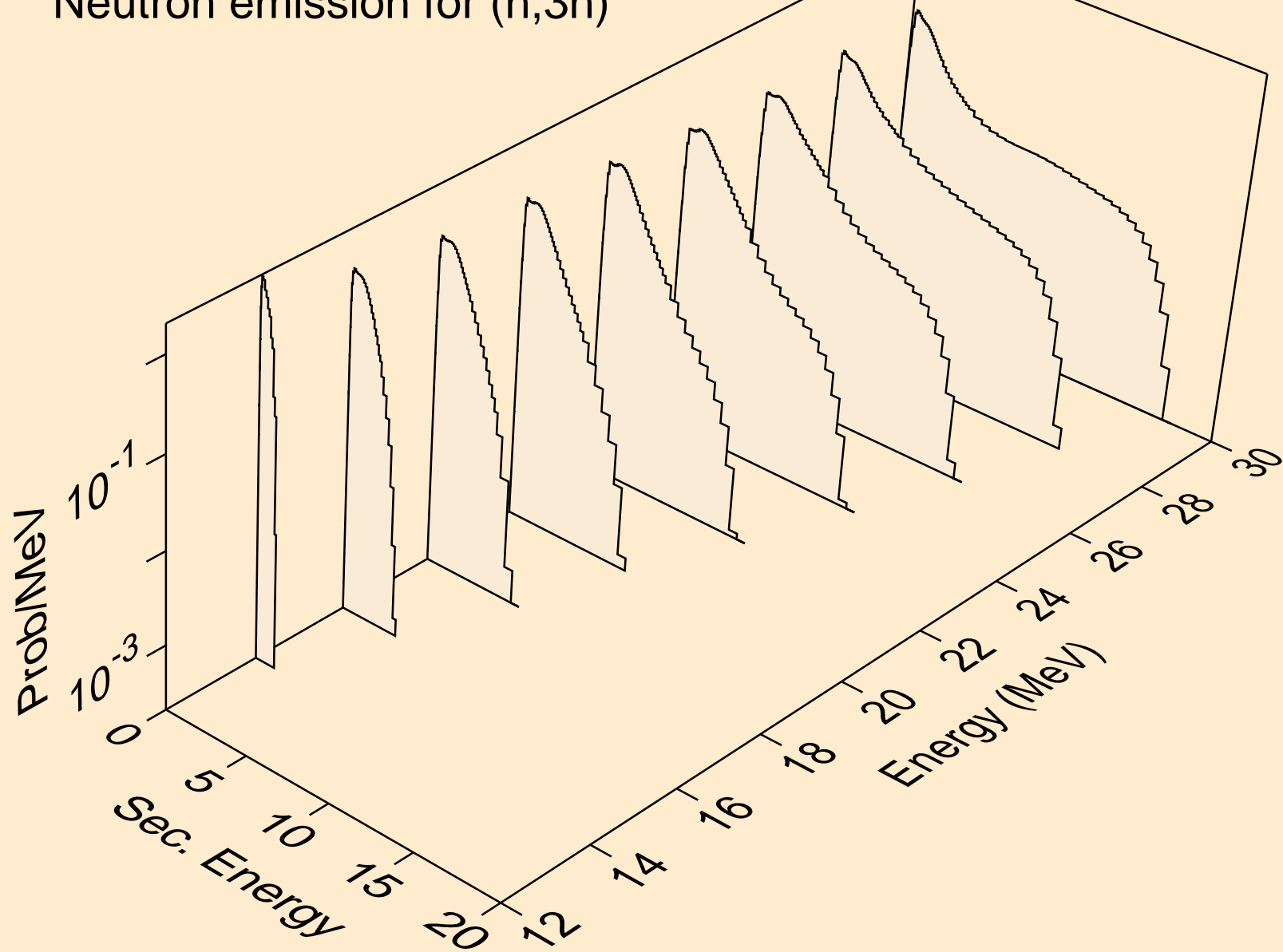
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2nd)



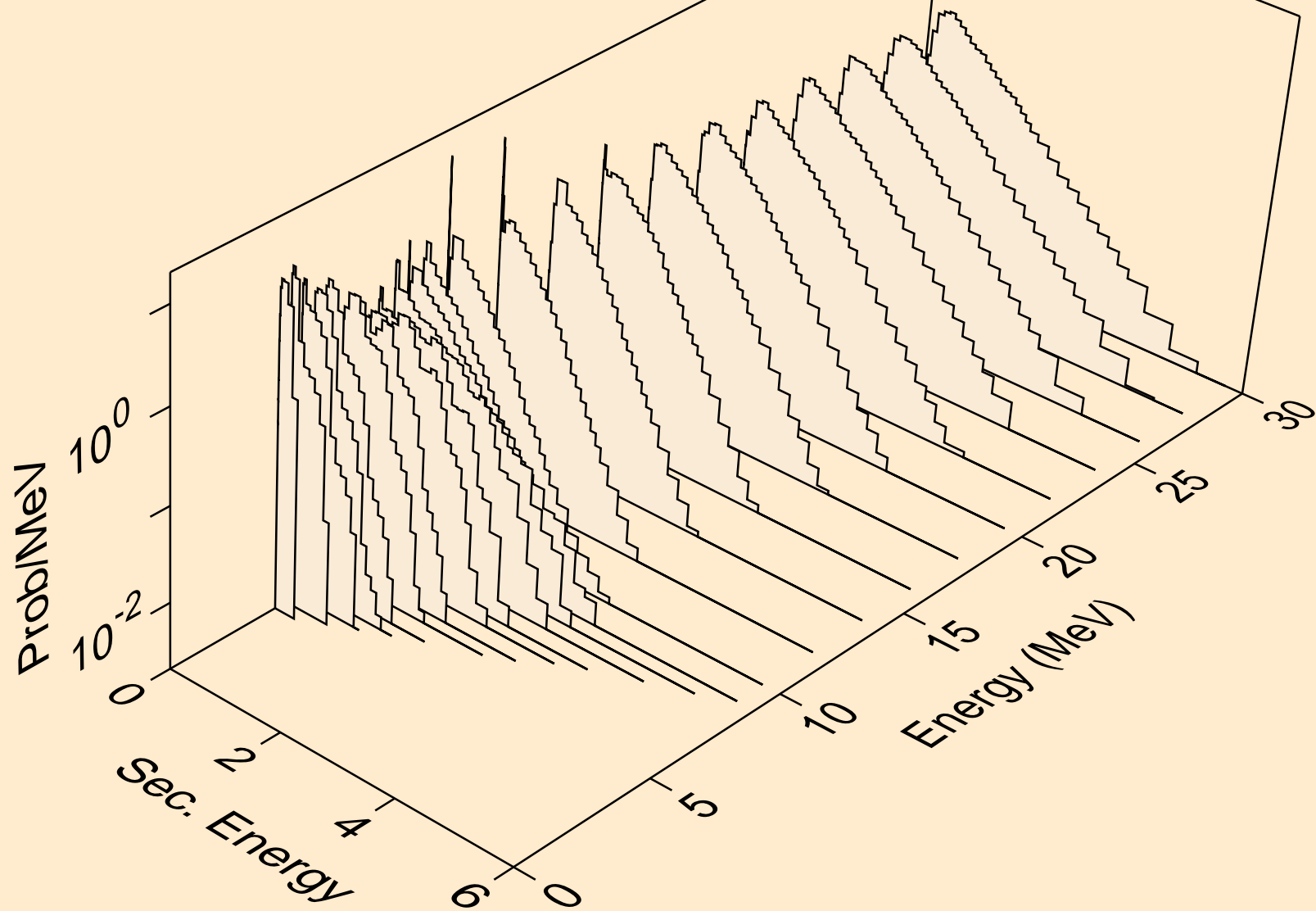
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)



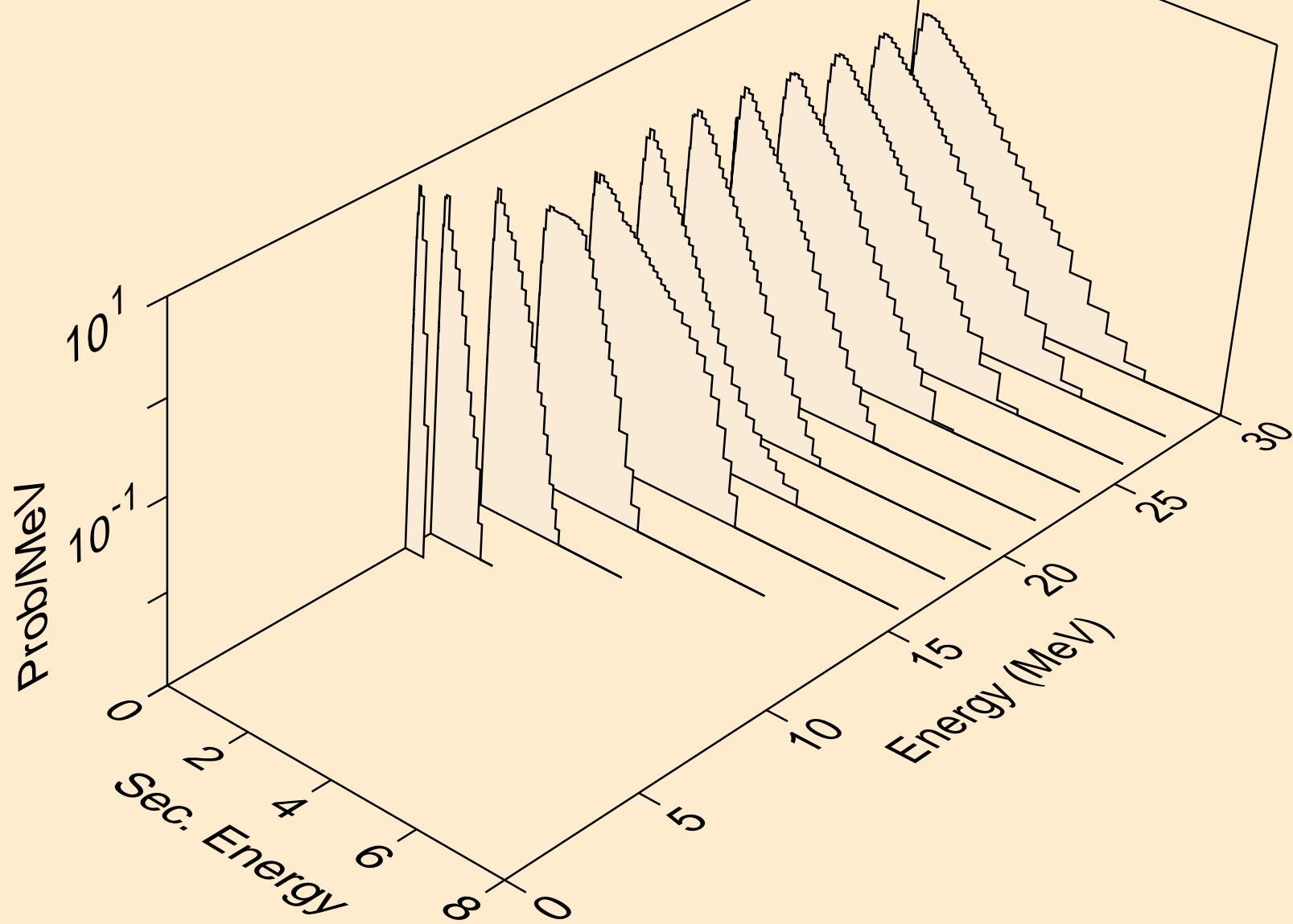
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3n)



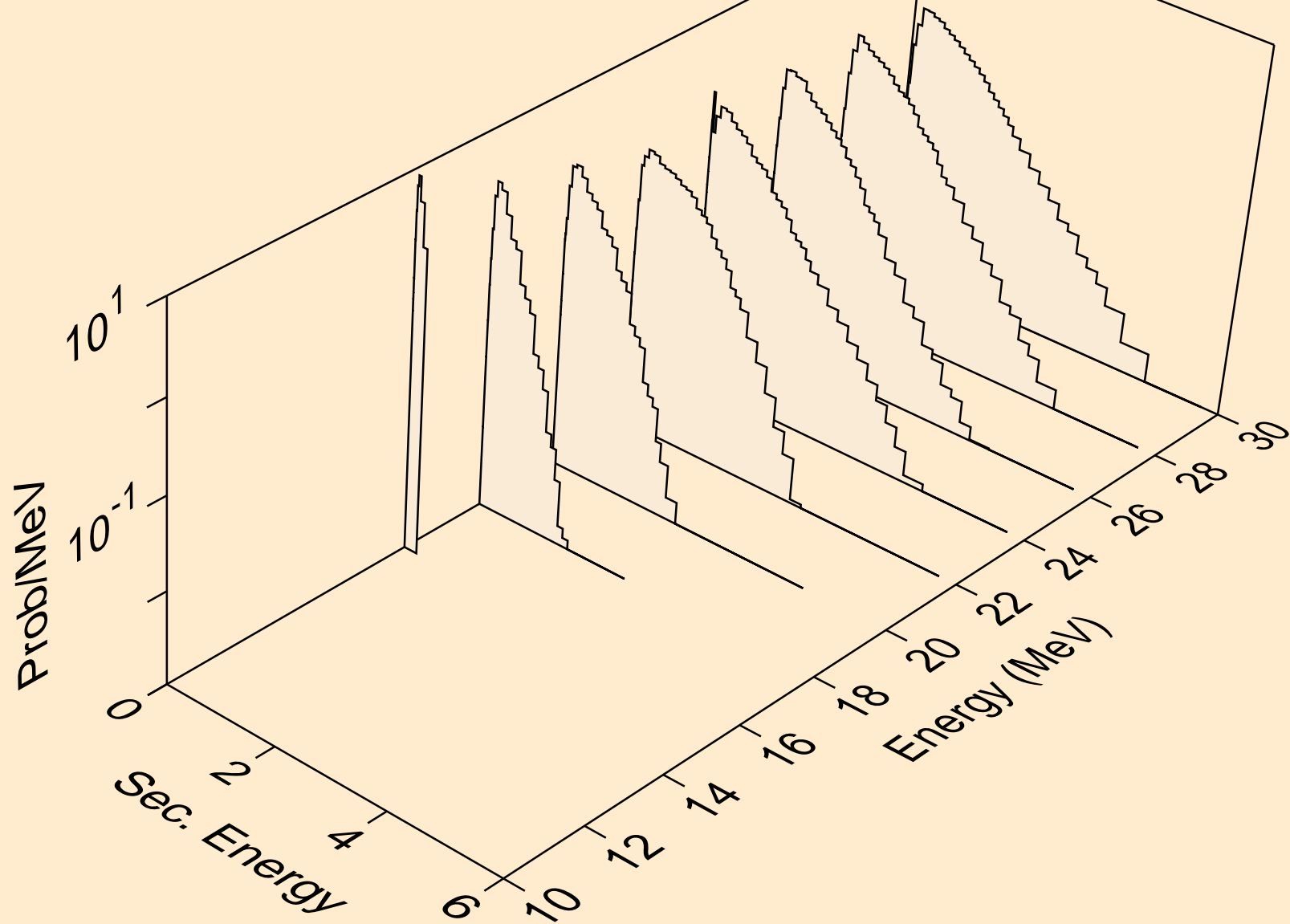
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)a



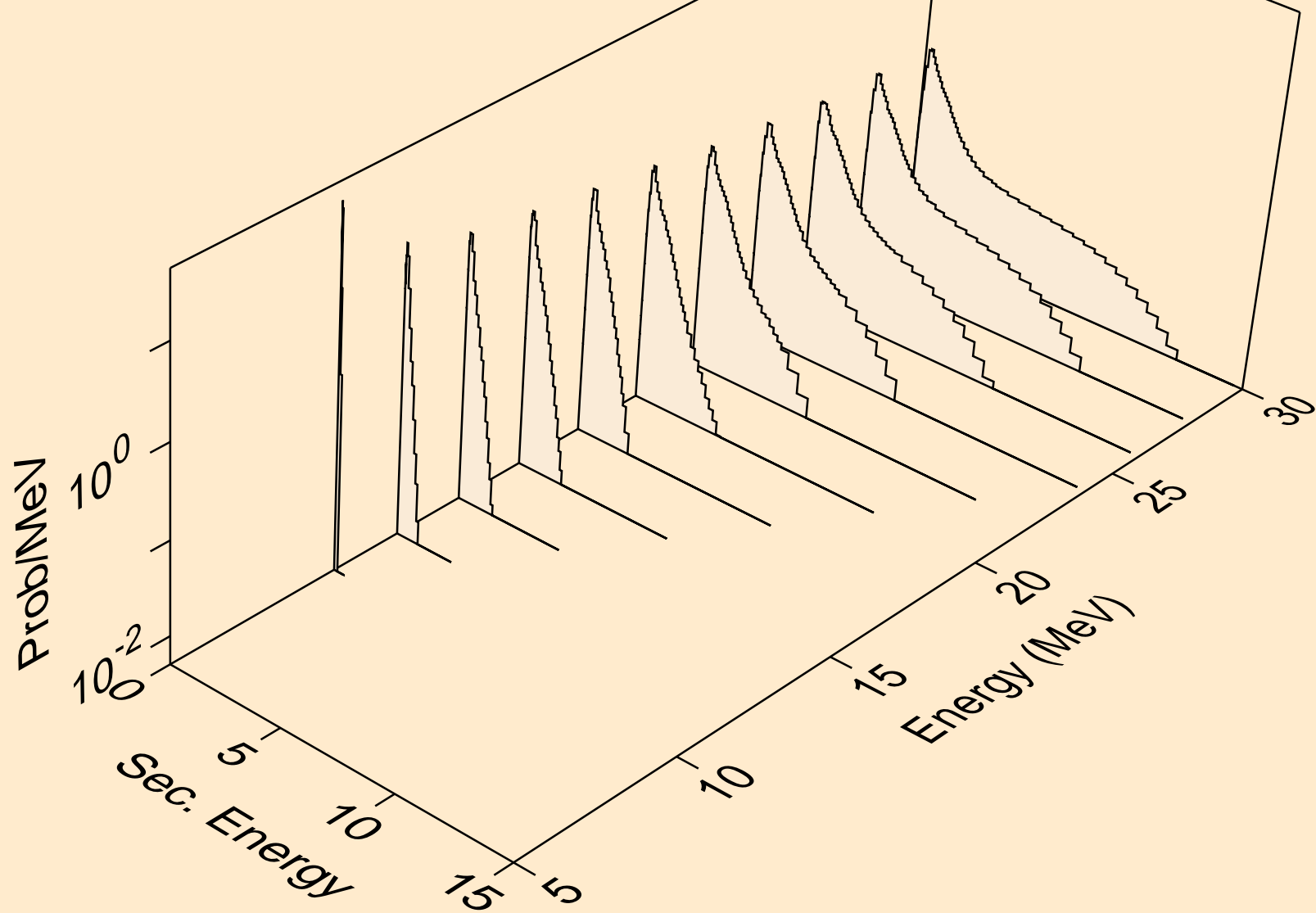
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)a



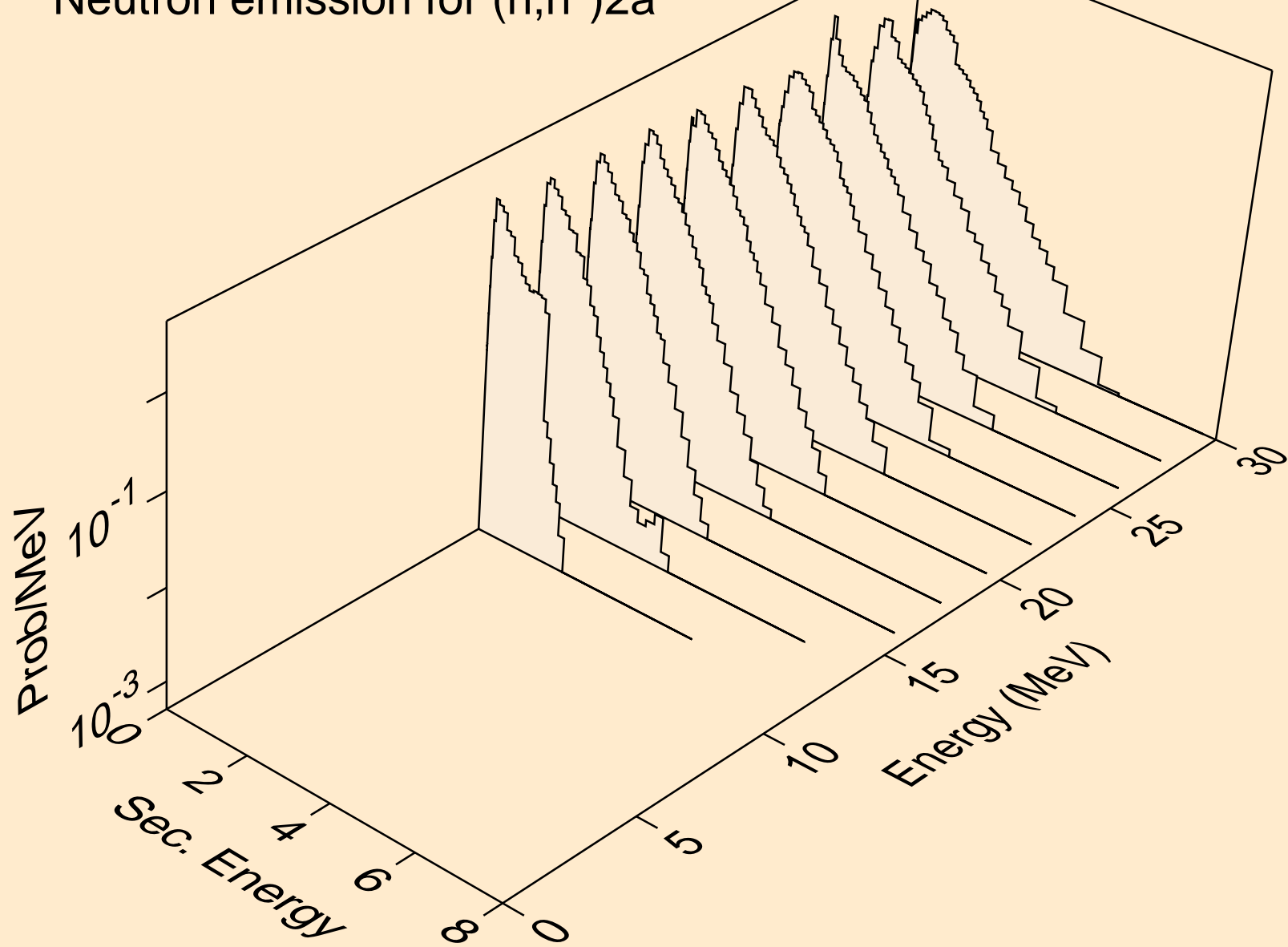
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3n)a



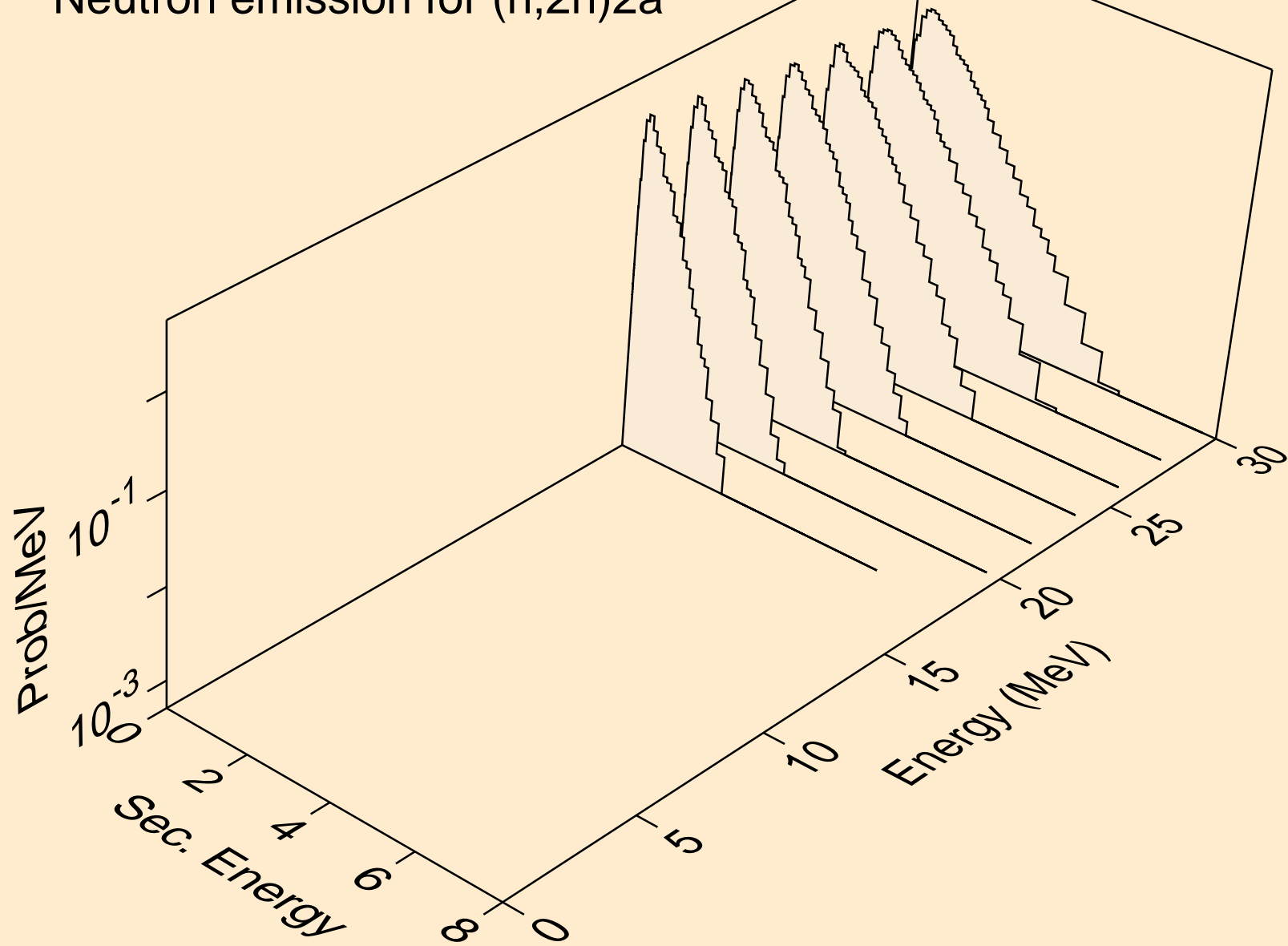
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



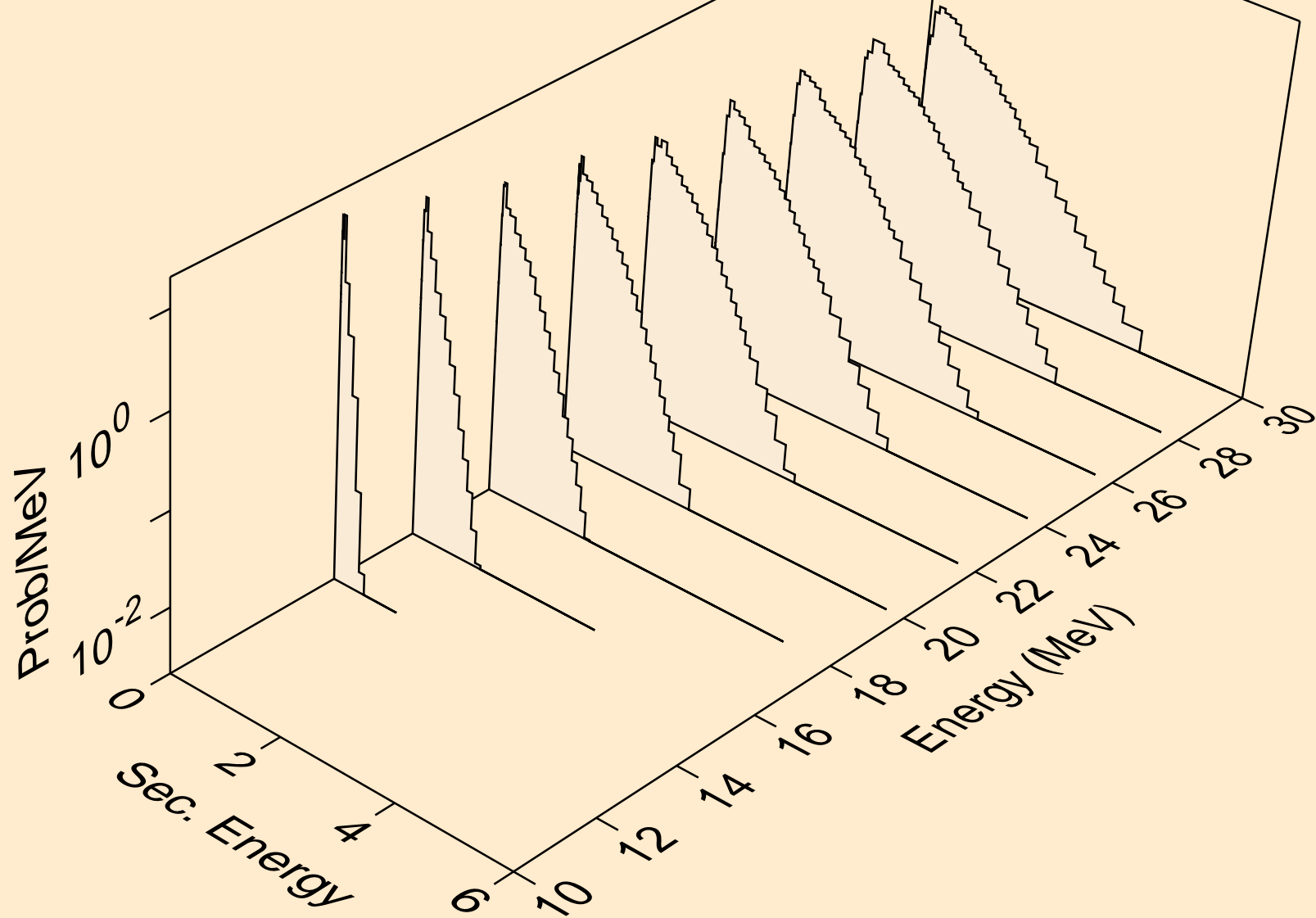
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)2a



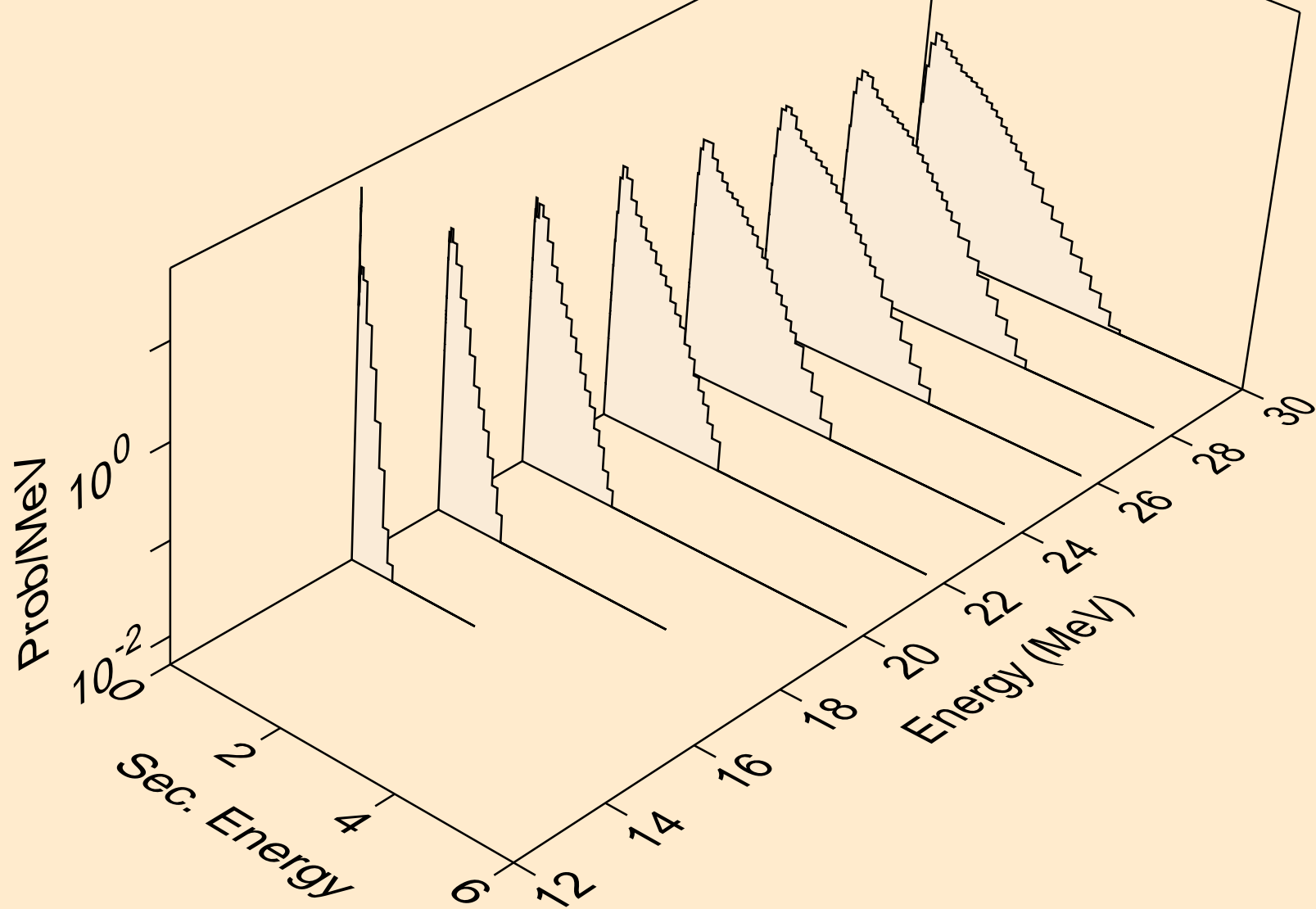
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)2a



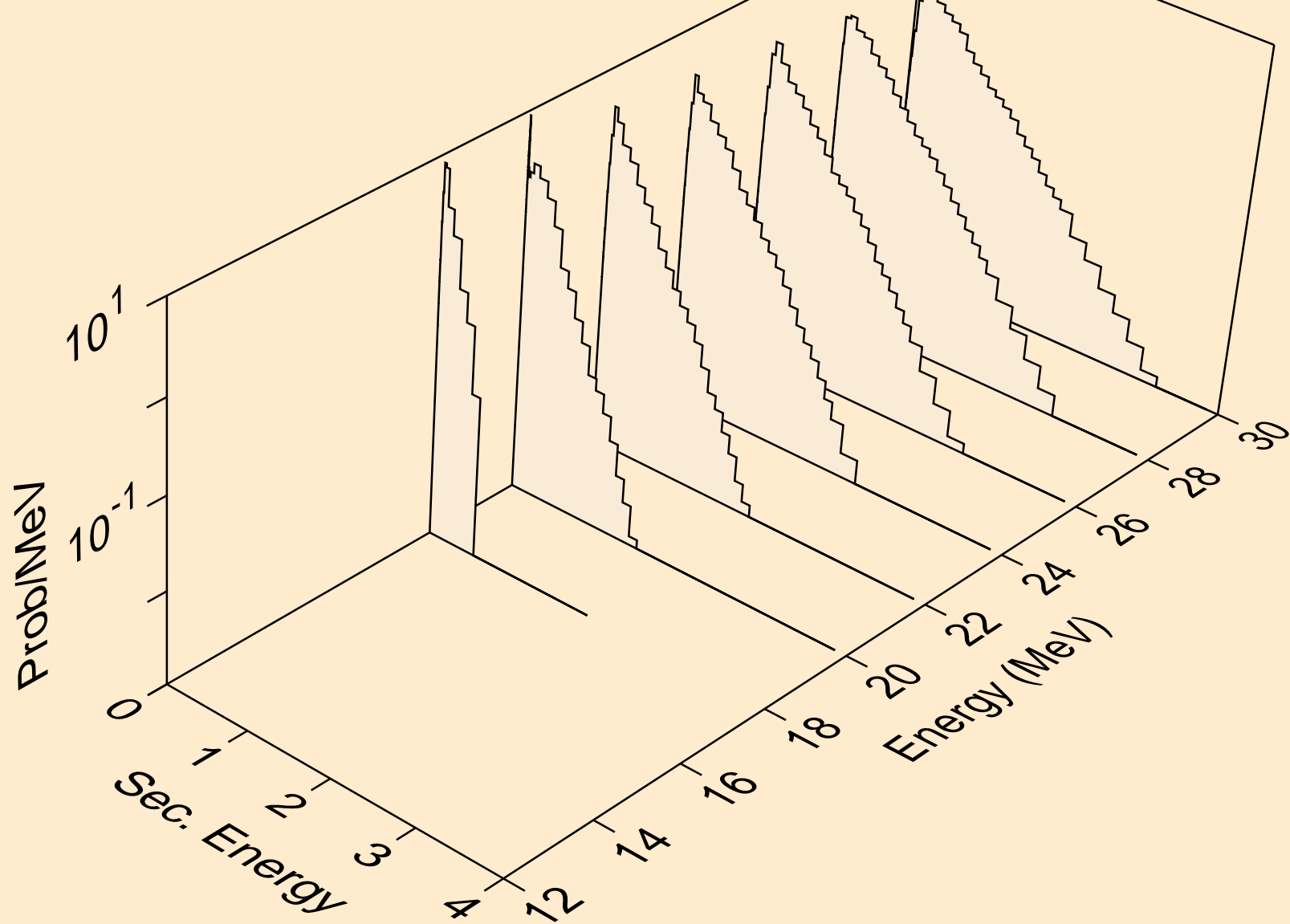
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)d



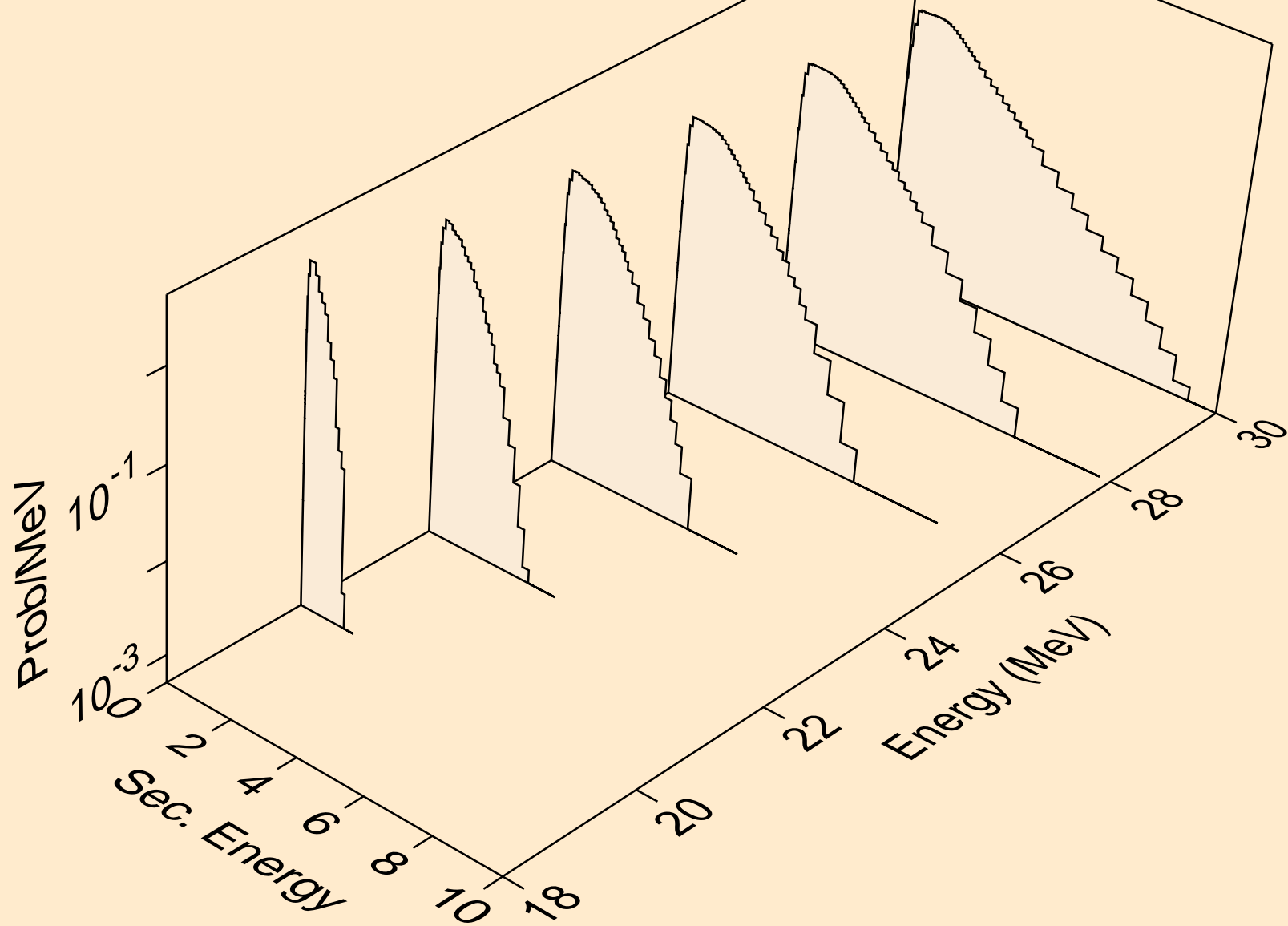
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)t



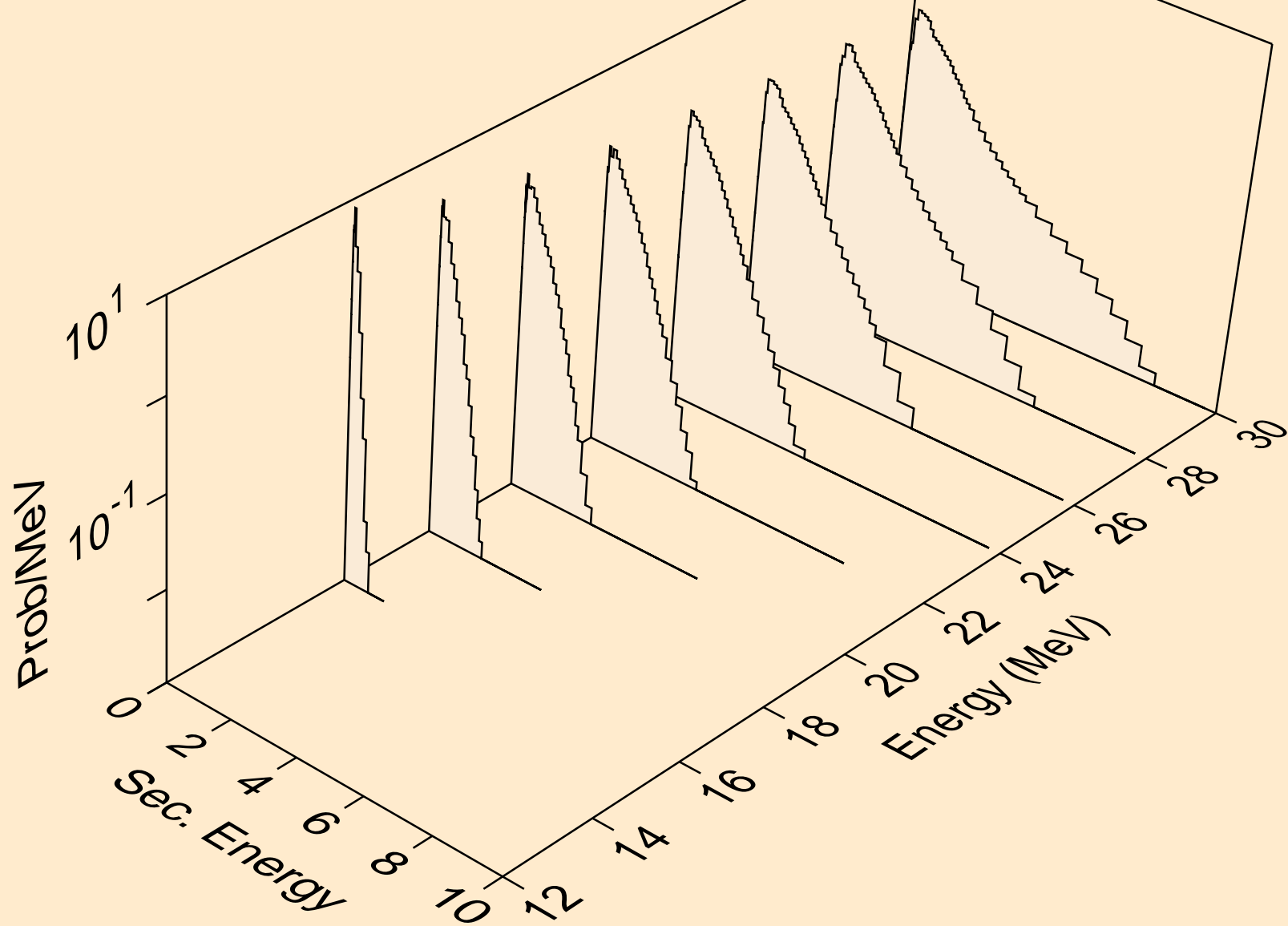
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



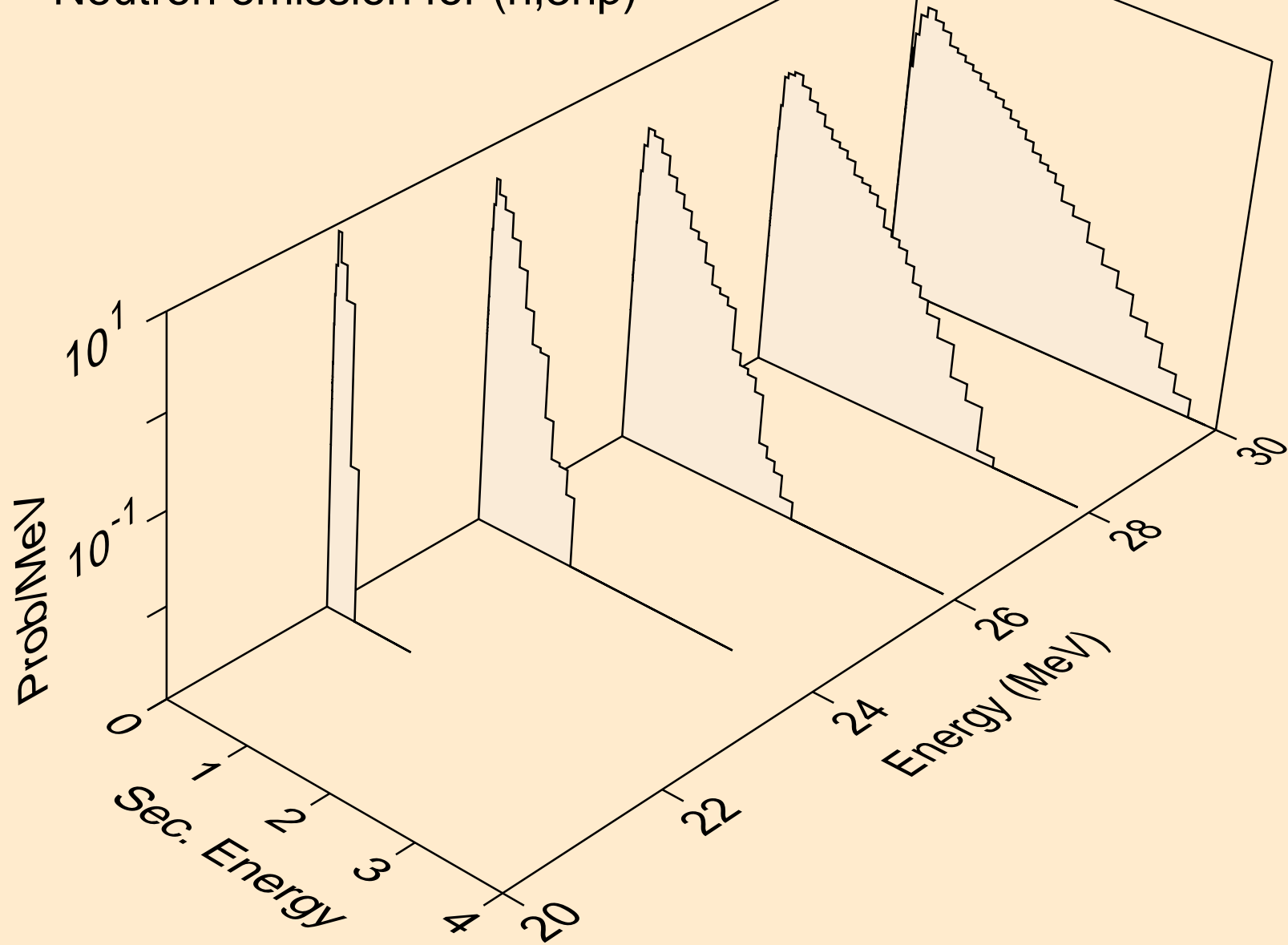
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,4n)



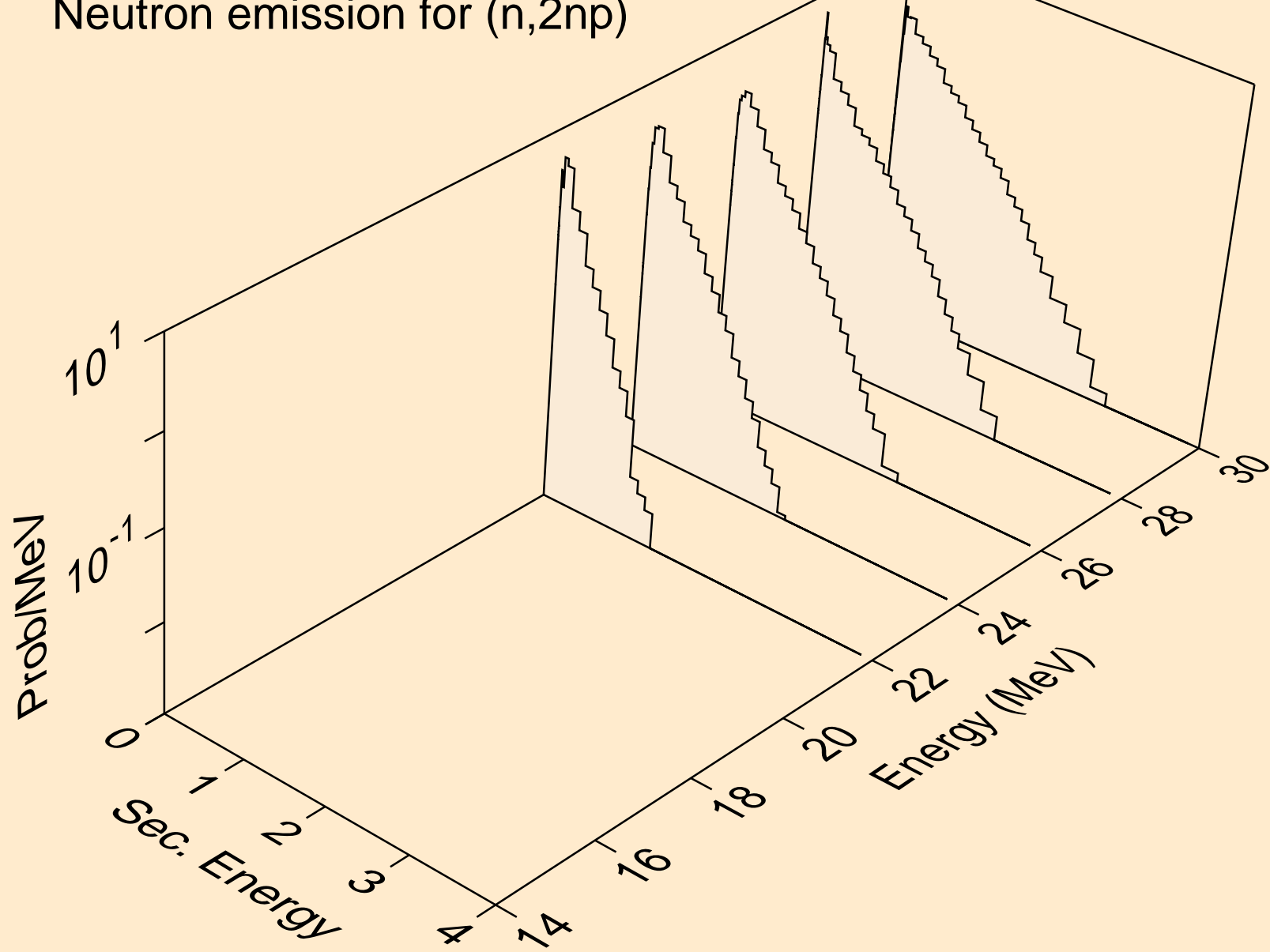
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2np)



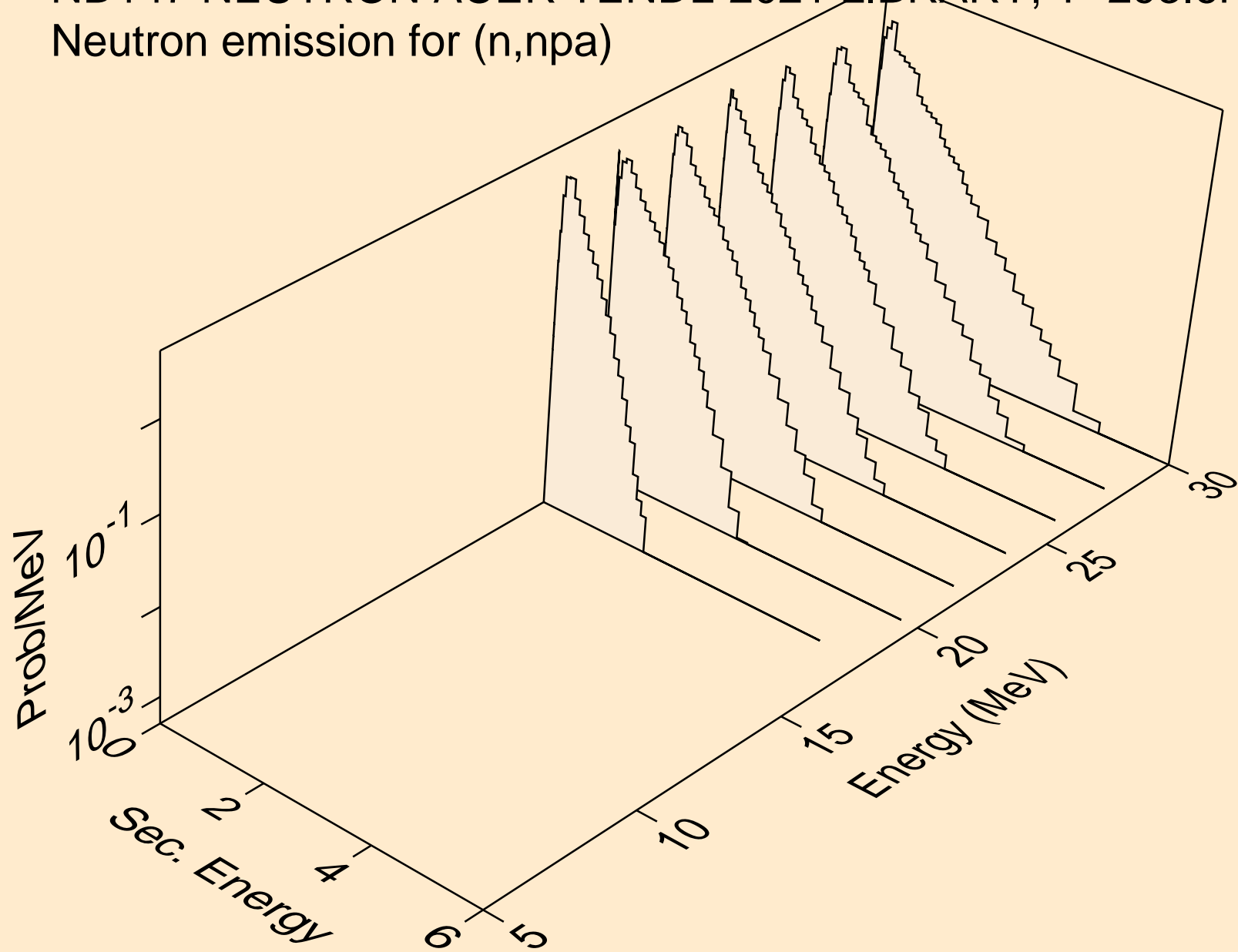
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3np)



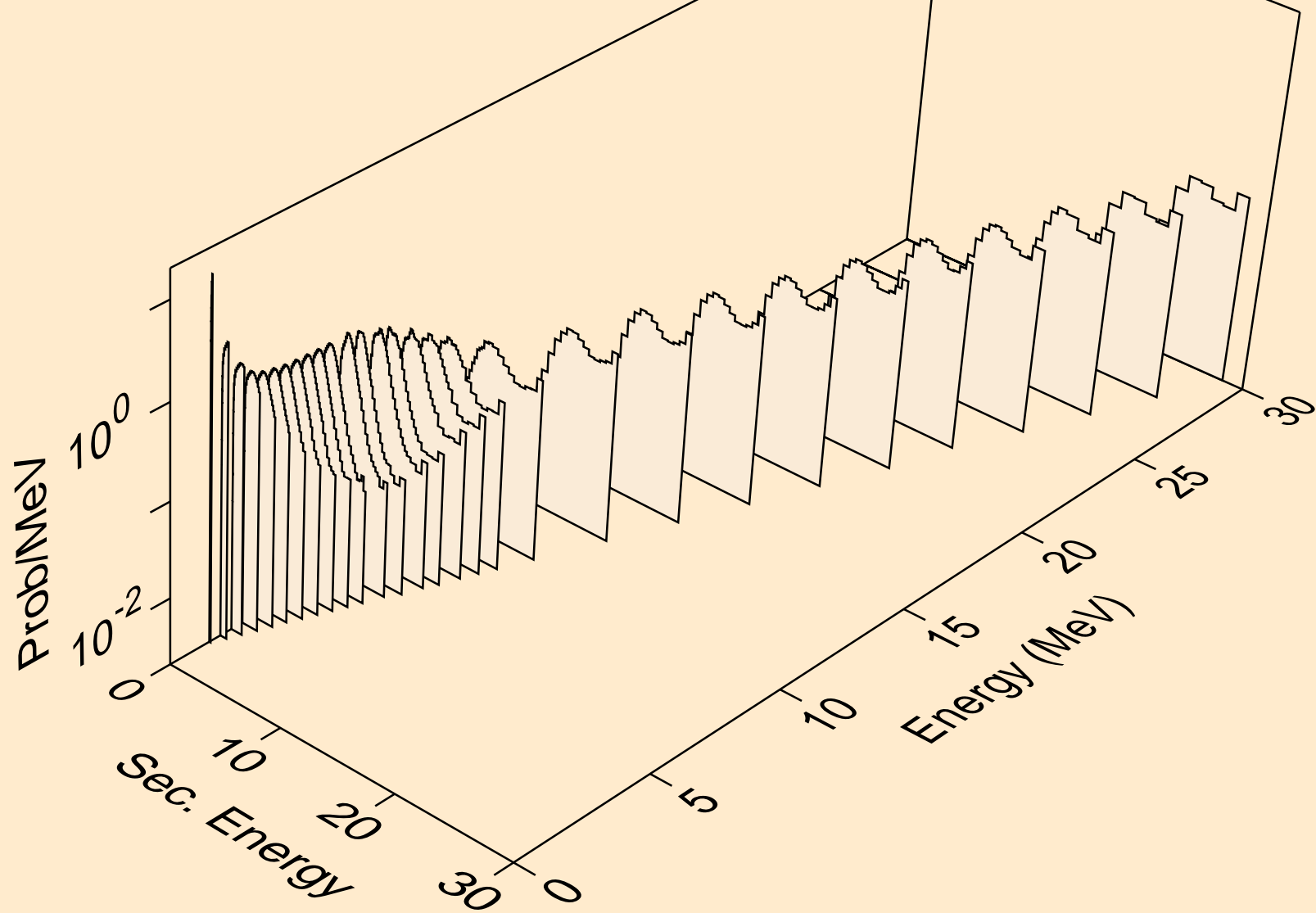
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2np)



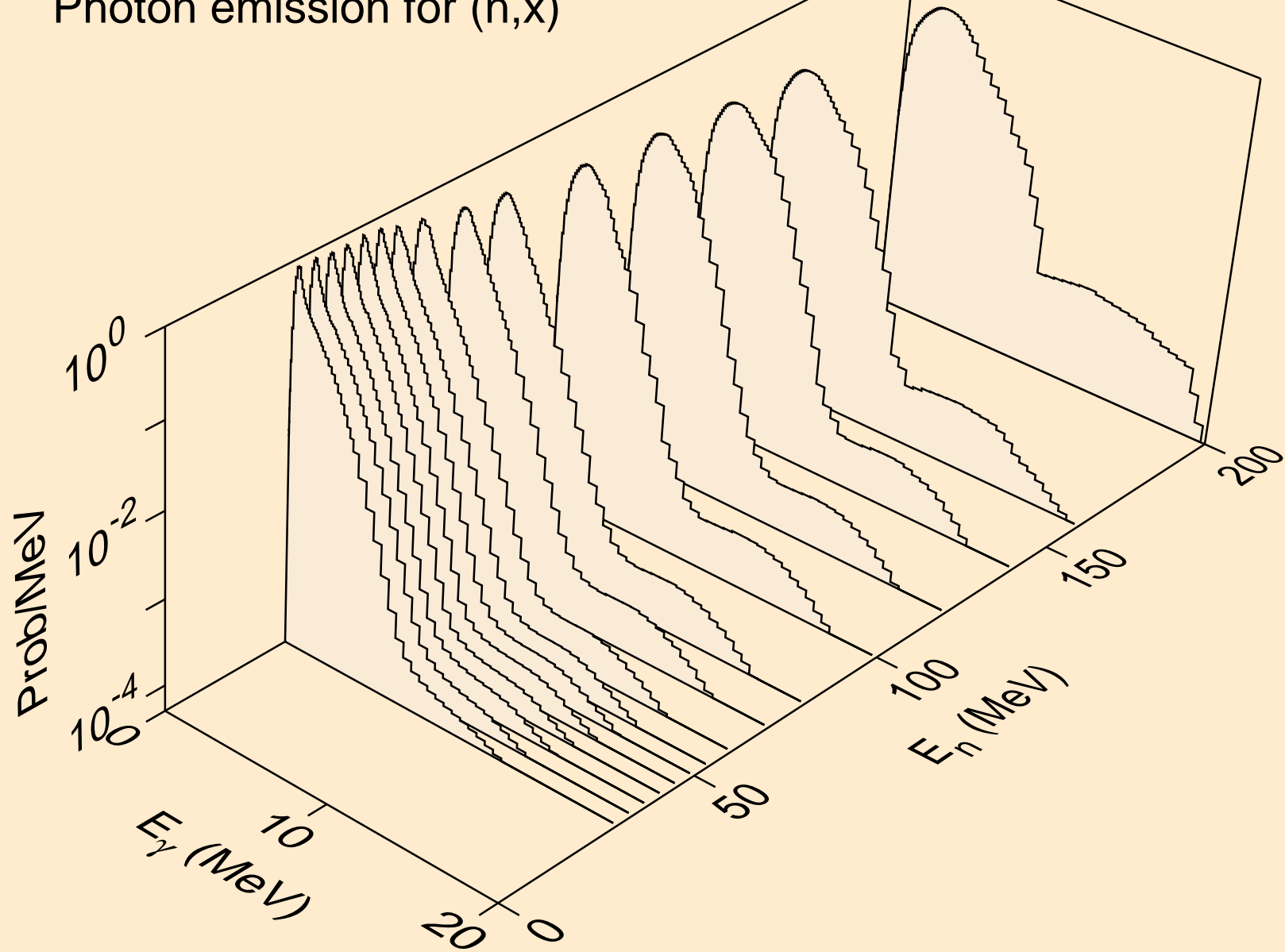
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Neutron emission for (n,npa)



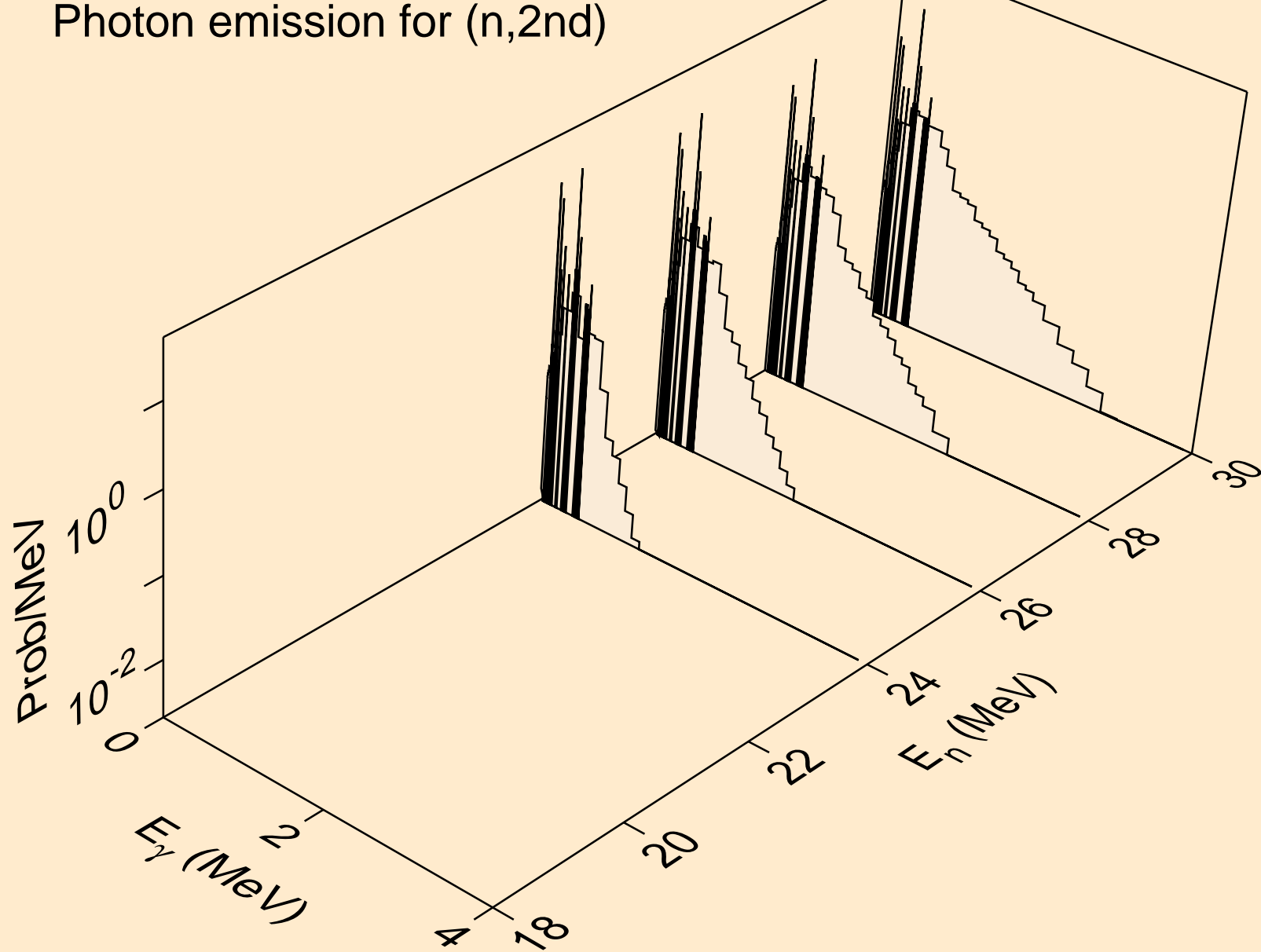
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



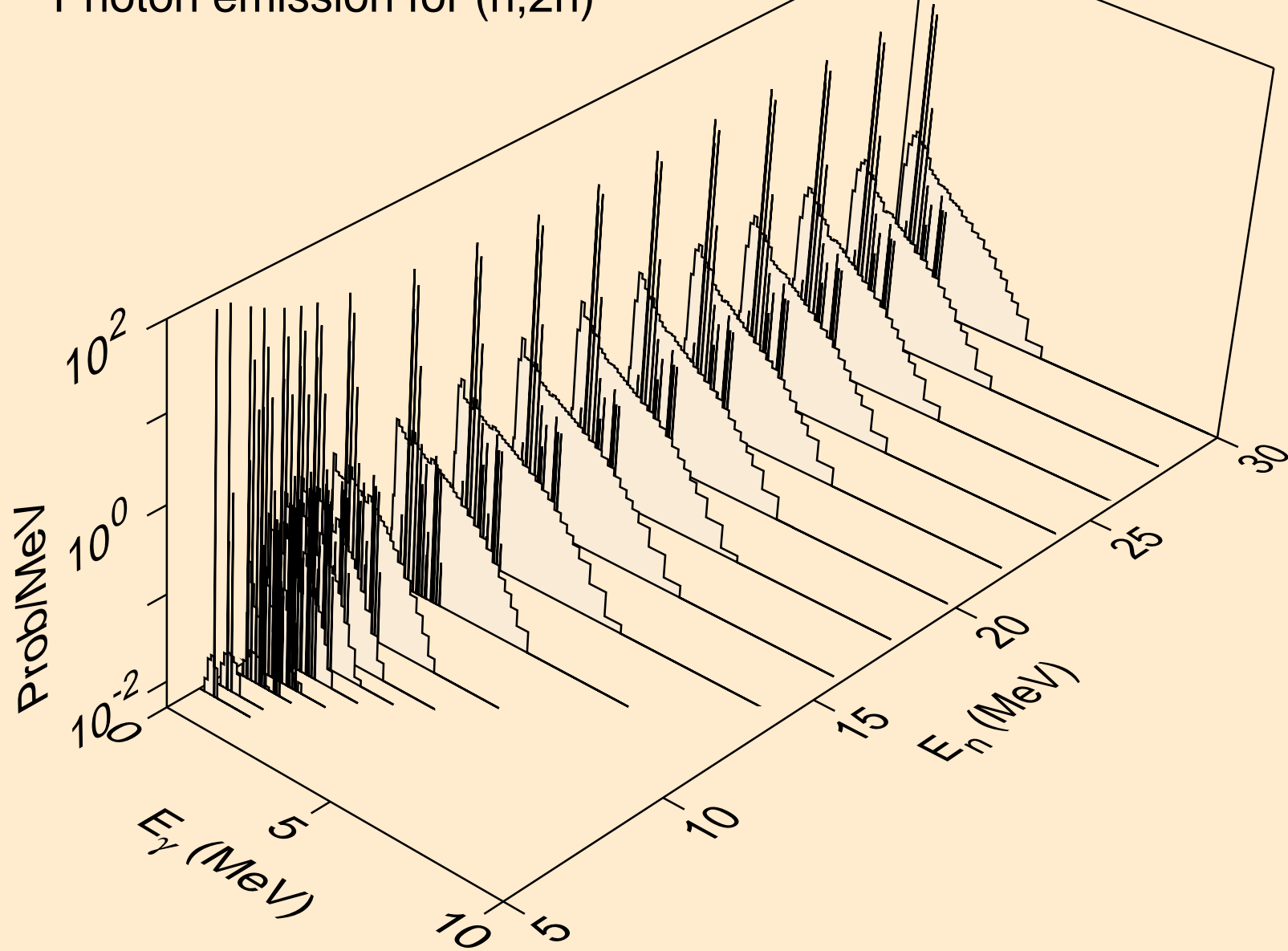
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Photon emission for (n,x)



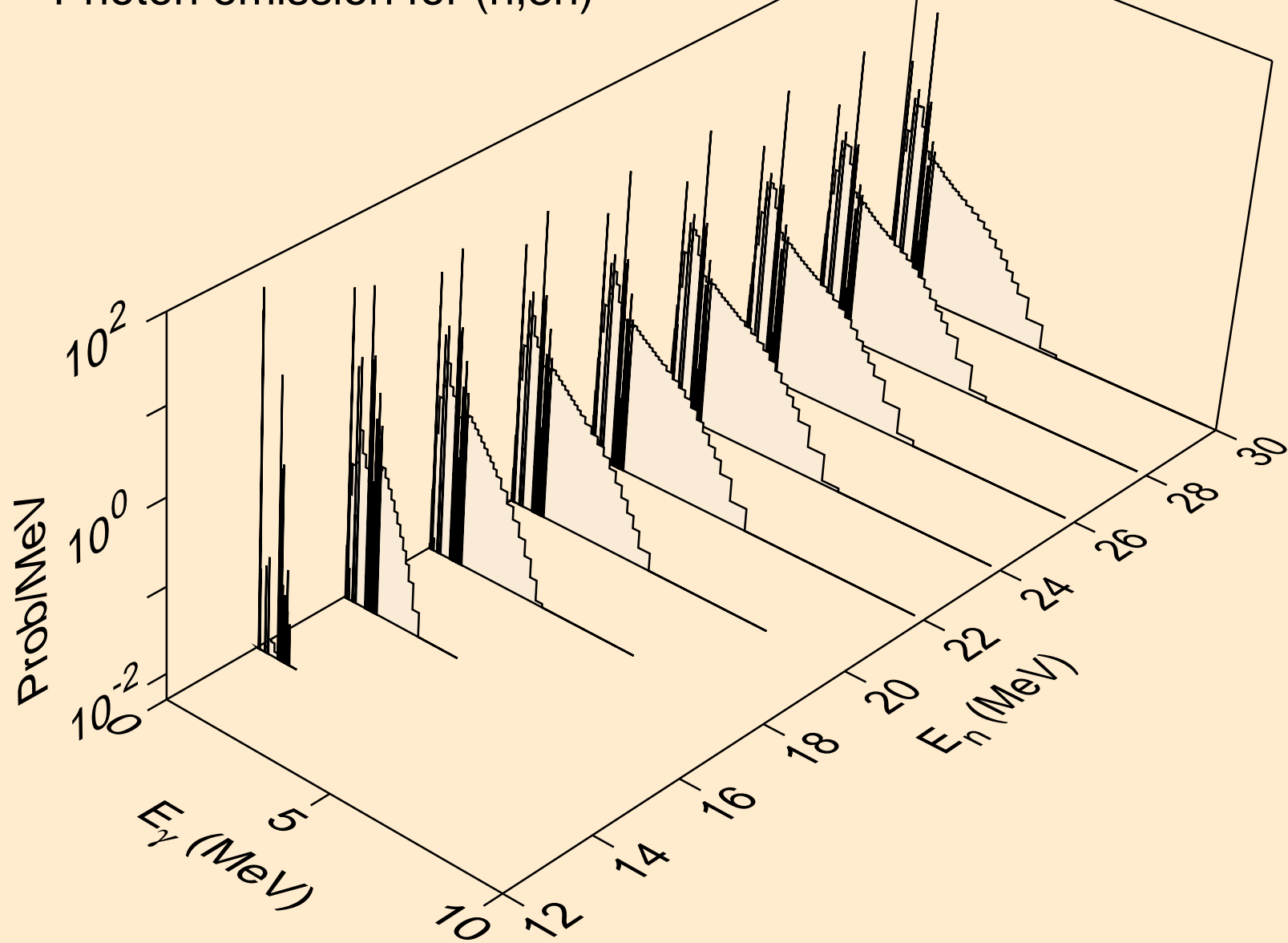
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2nd)



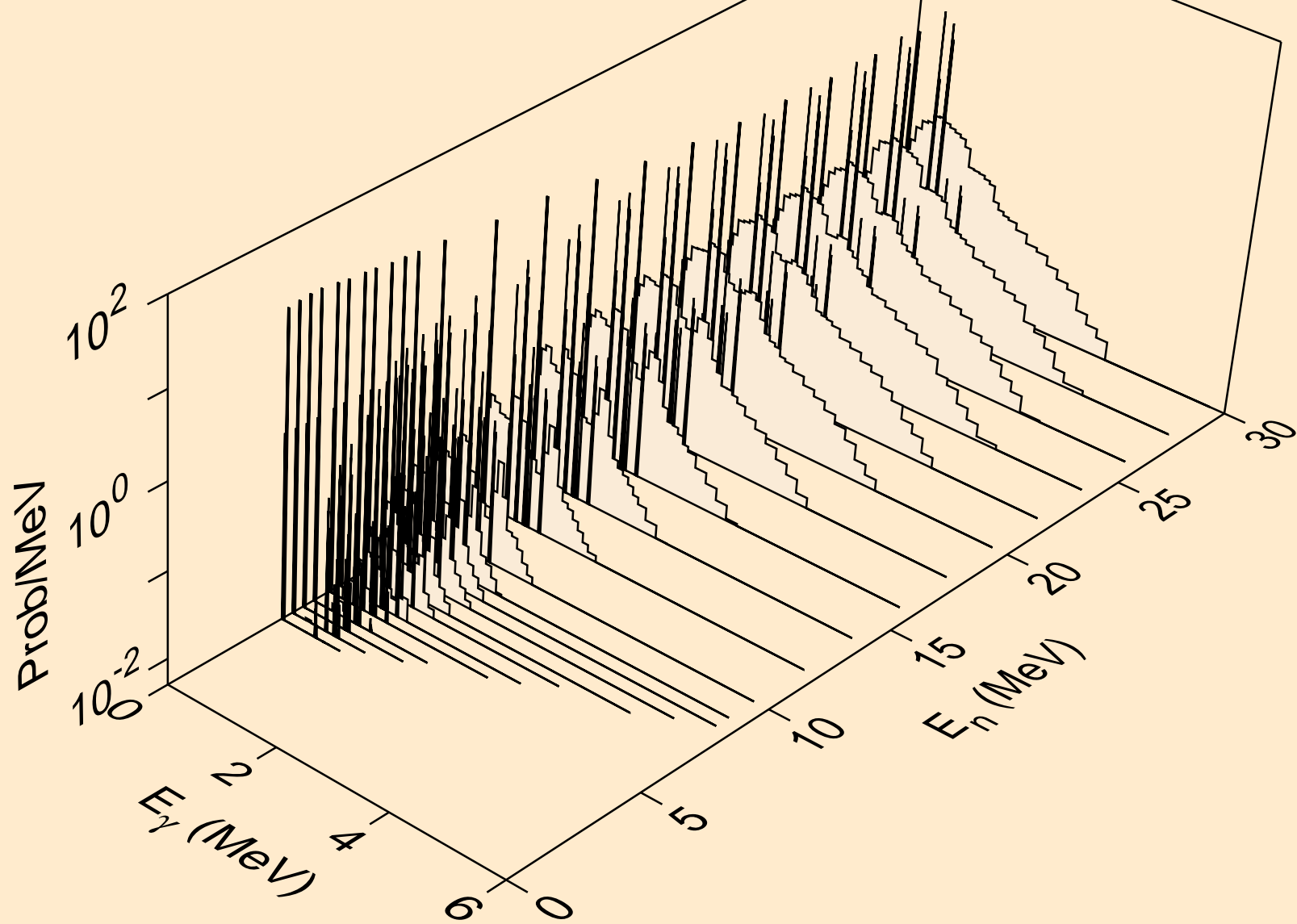
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)



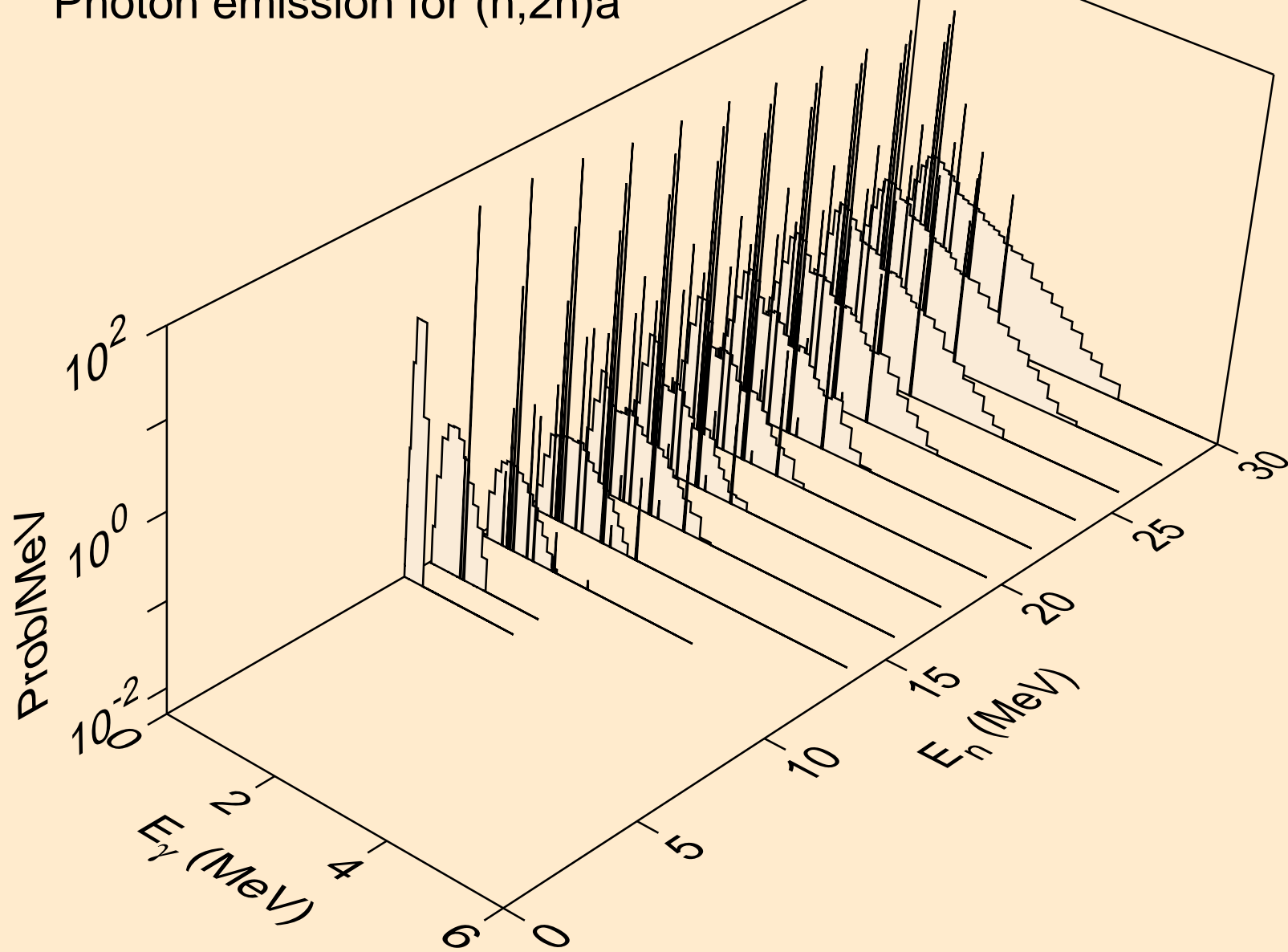
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Photon emission for (n,3n)



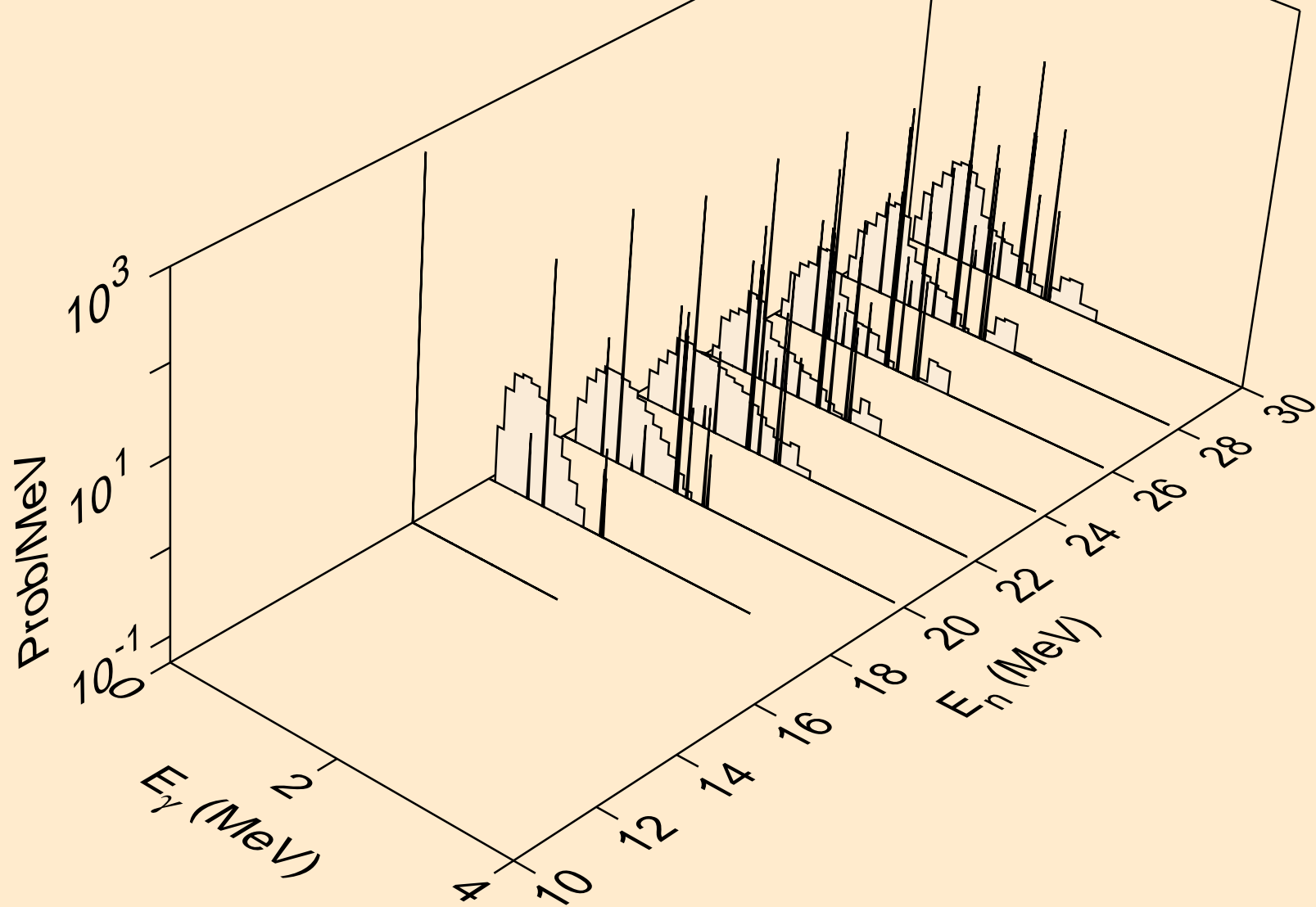
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)a



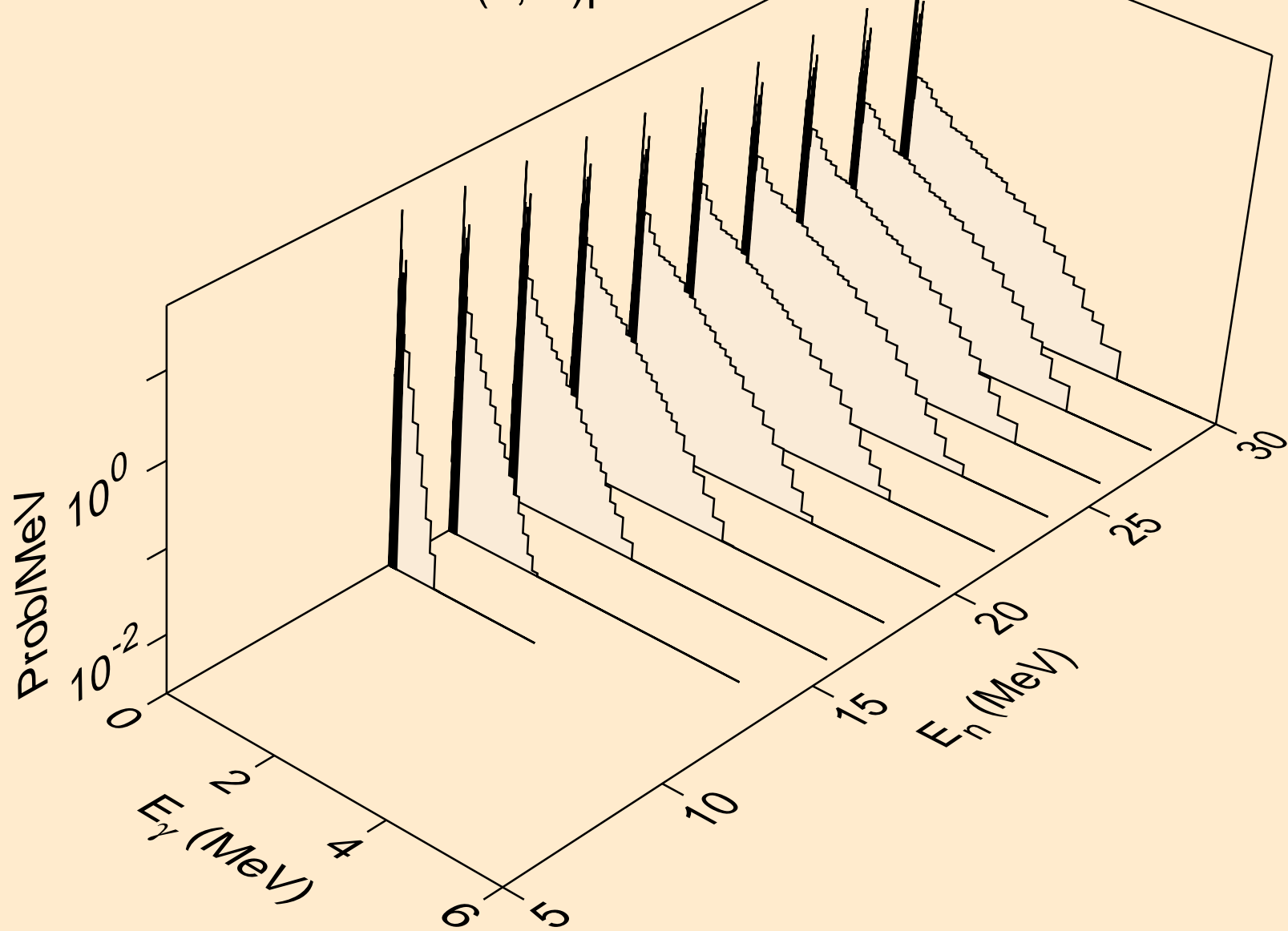
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Photon emission for (n,2n)a



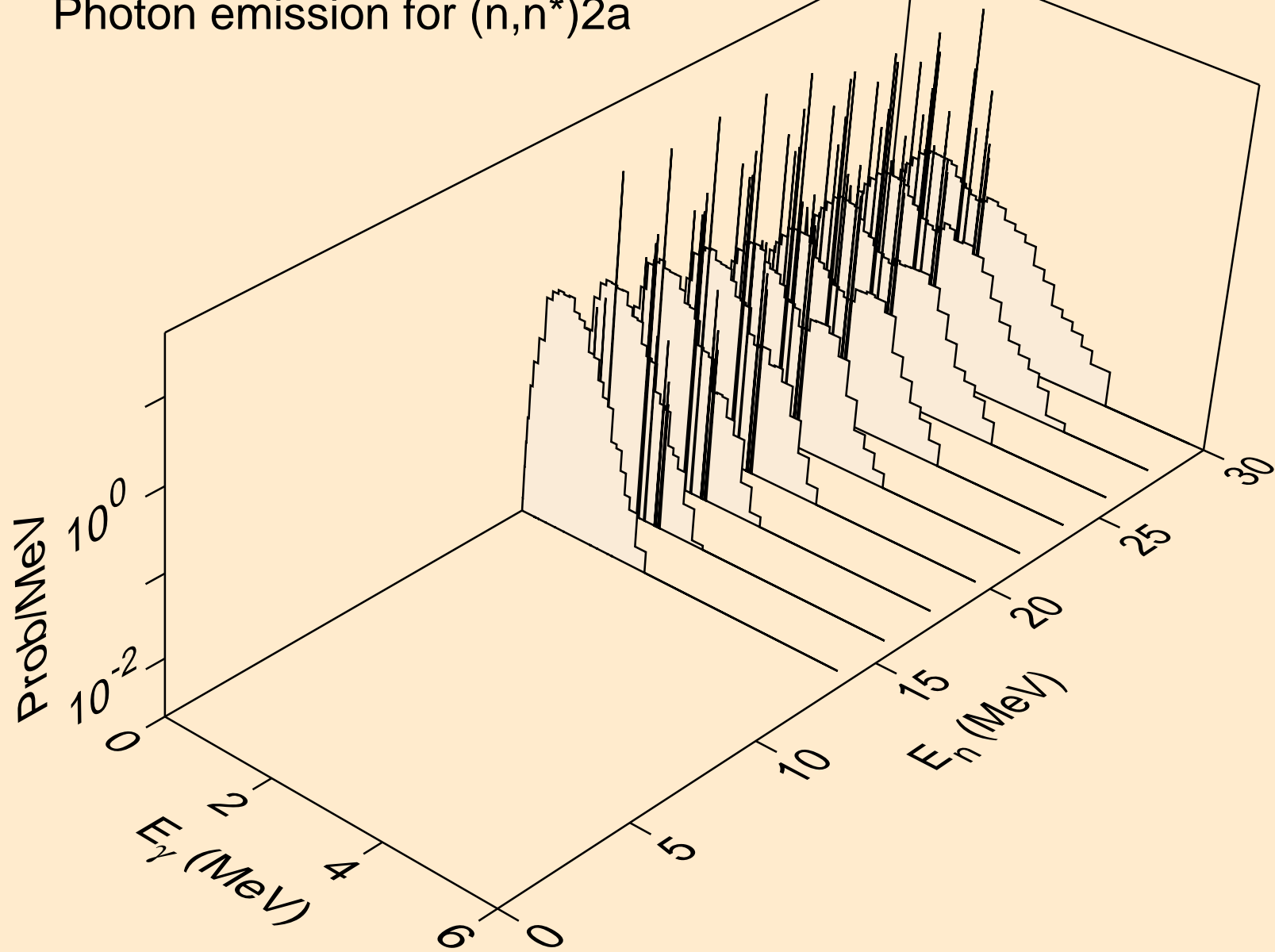
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Photon emission for (n,3n)a



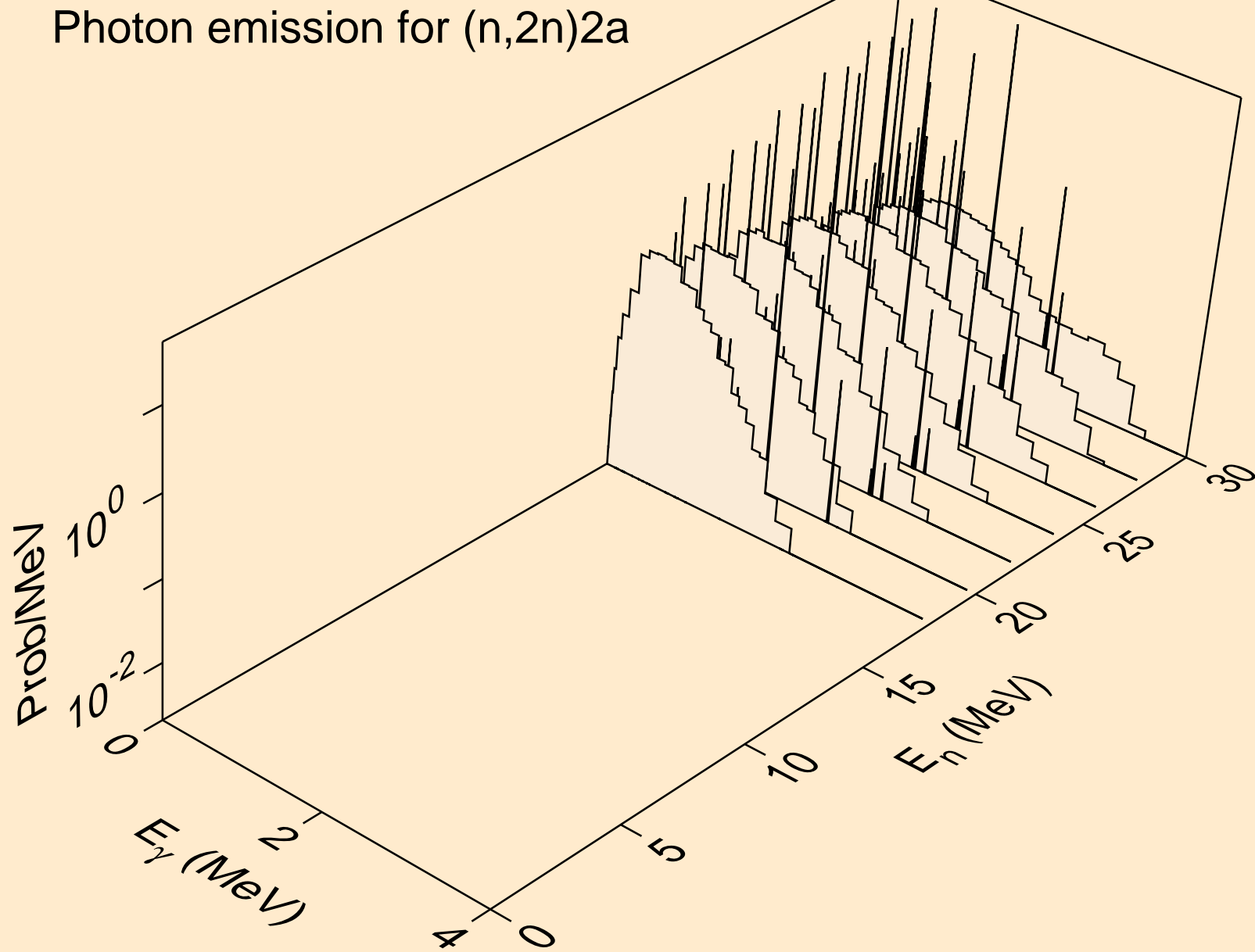
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)p



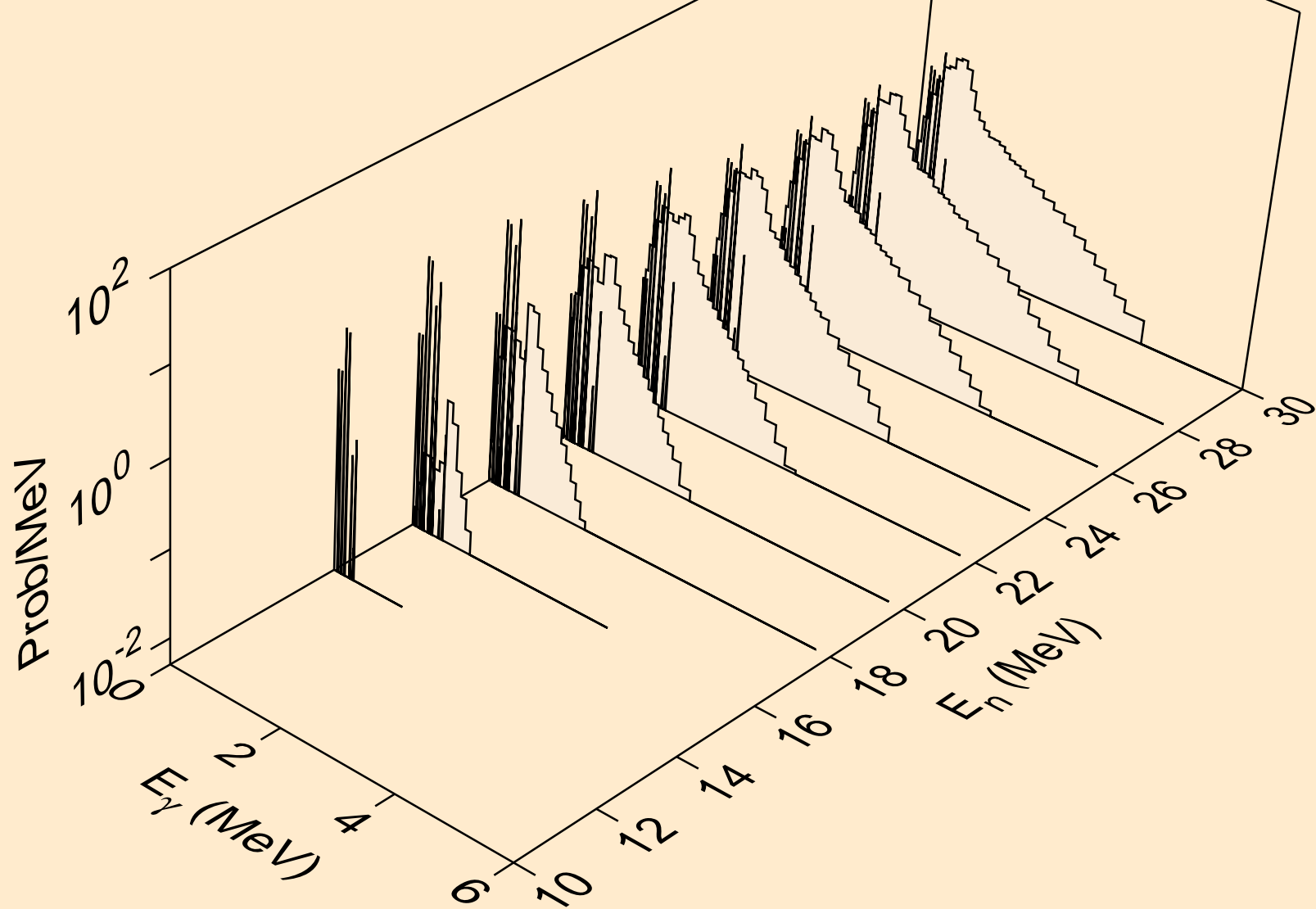
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)2a



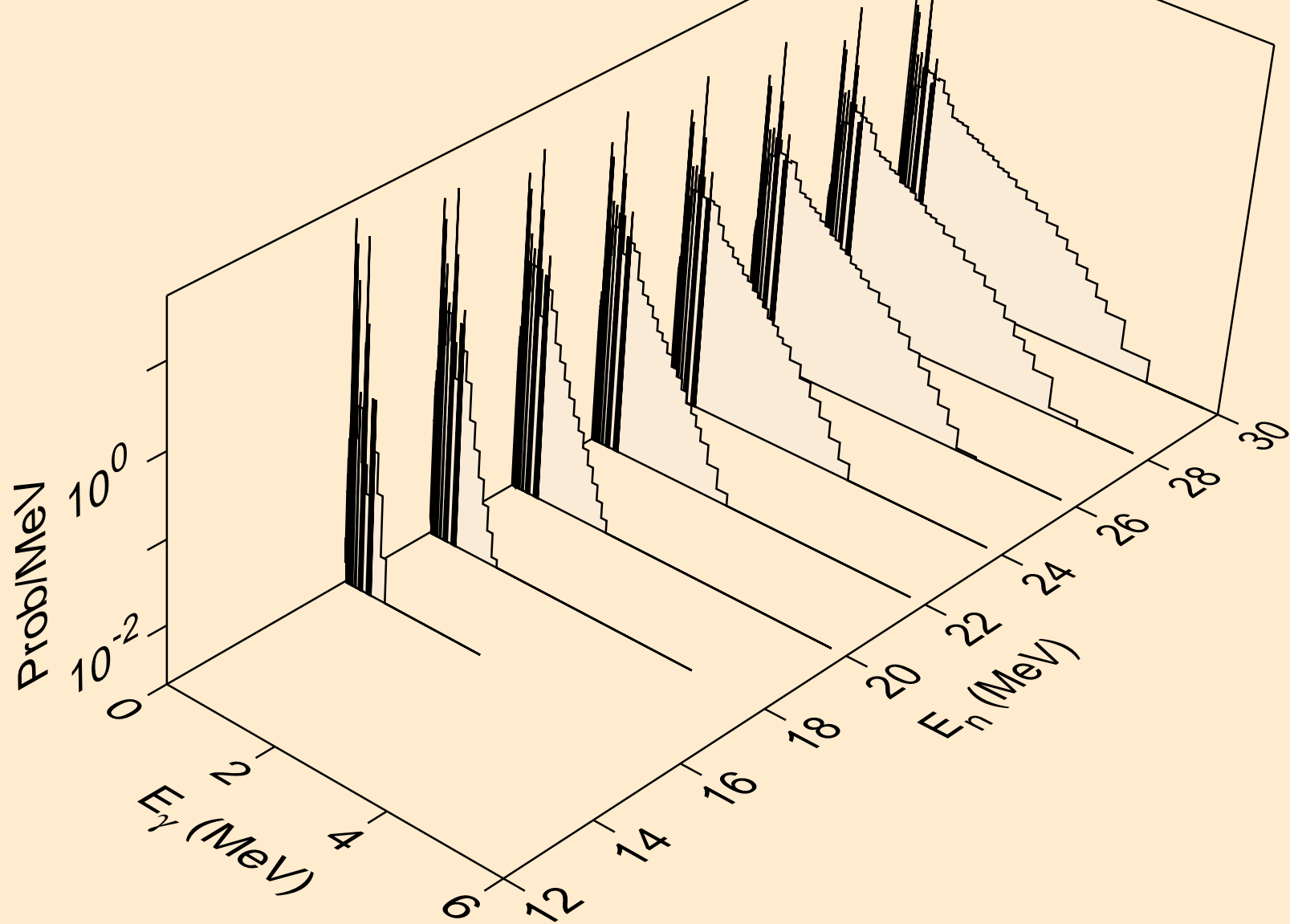
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)2a



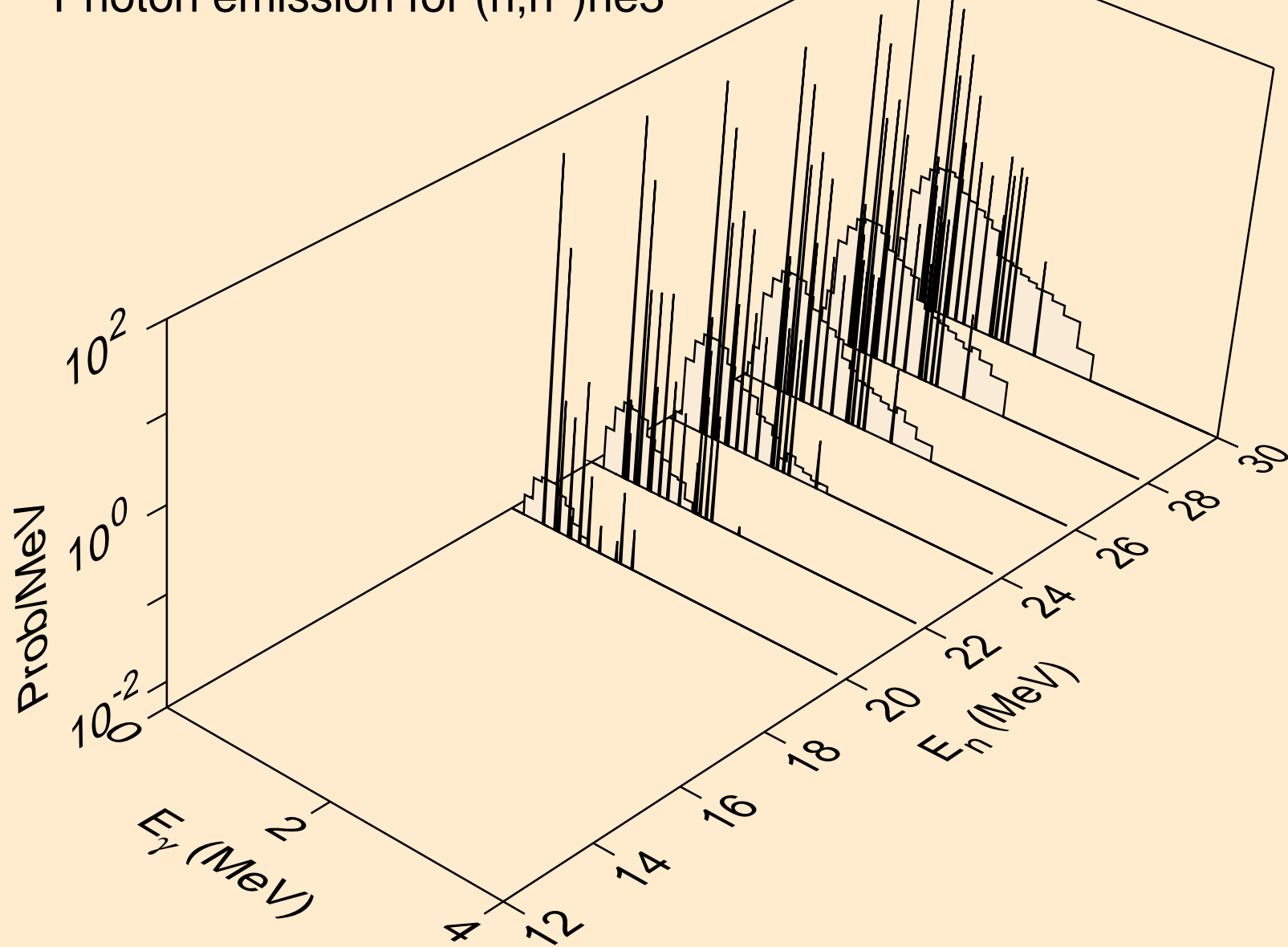
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)d



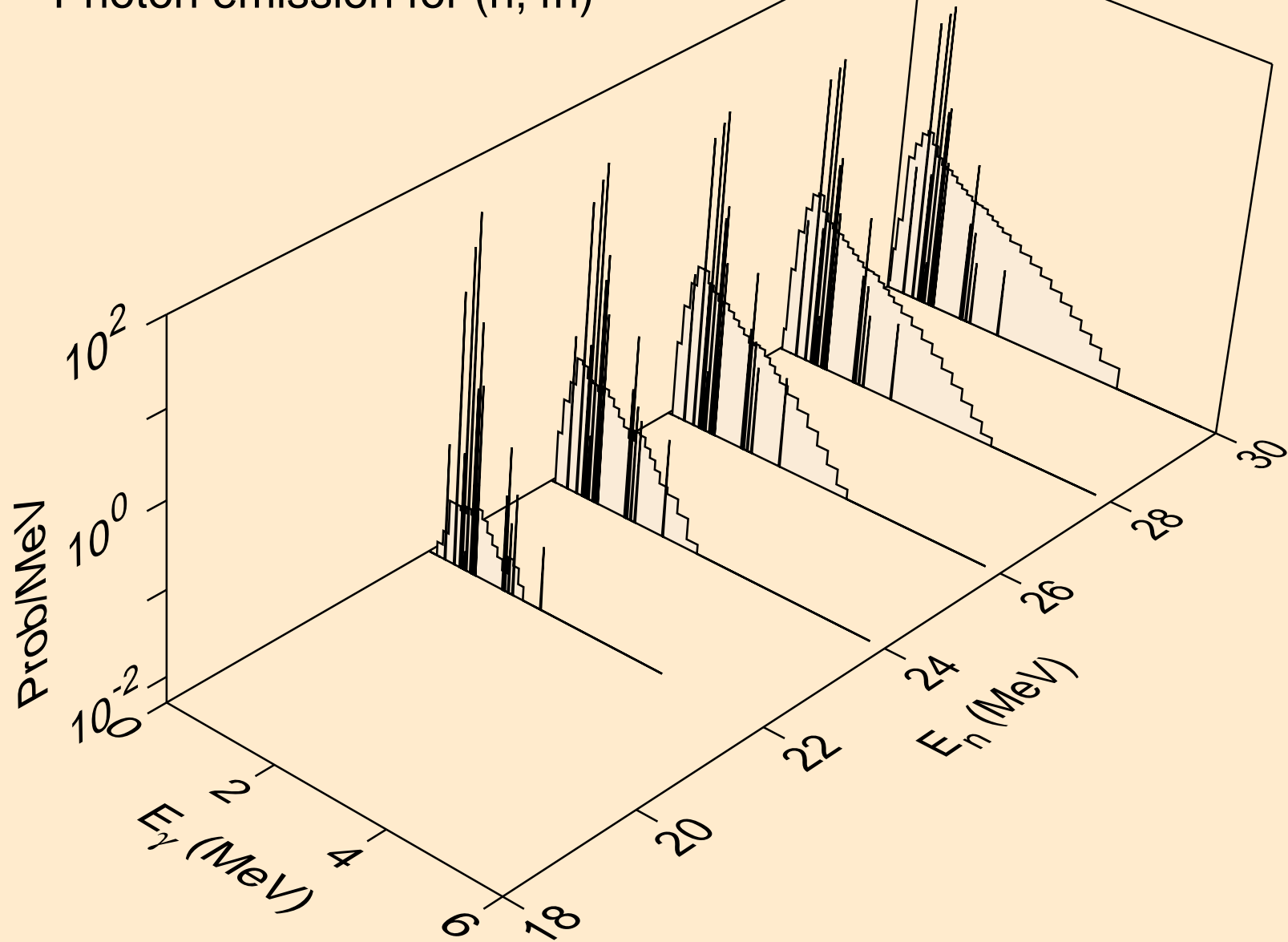
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)t



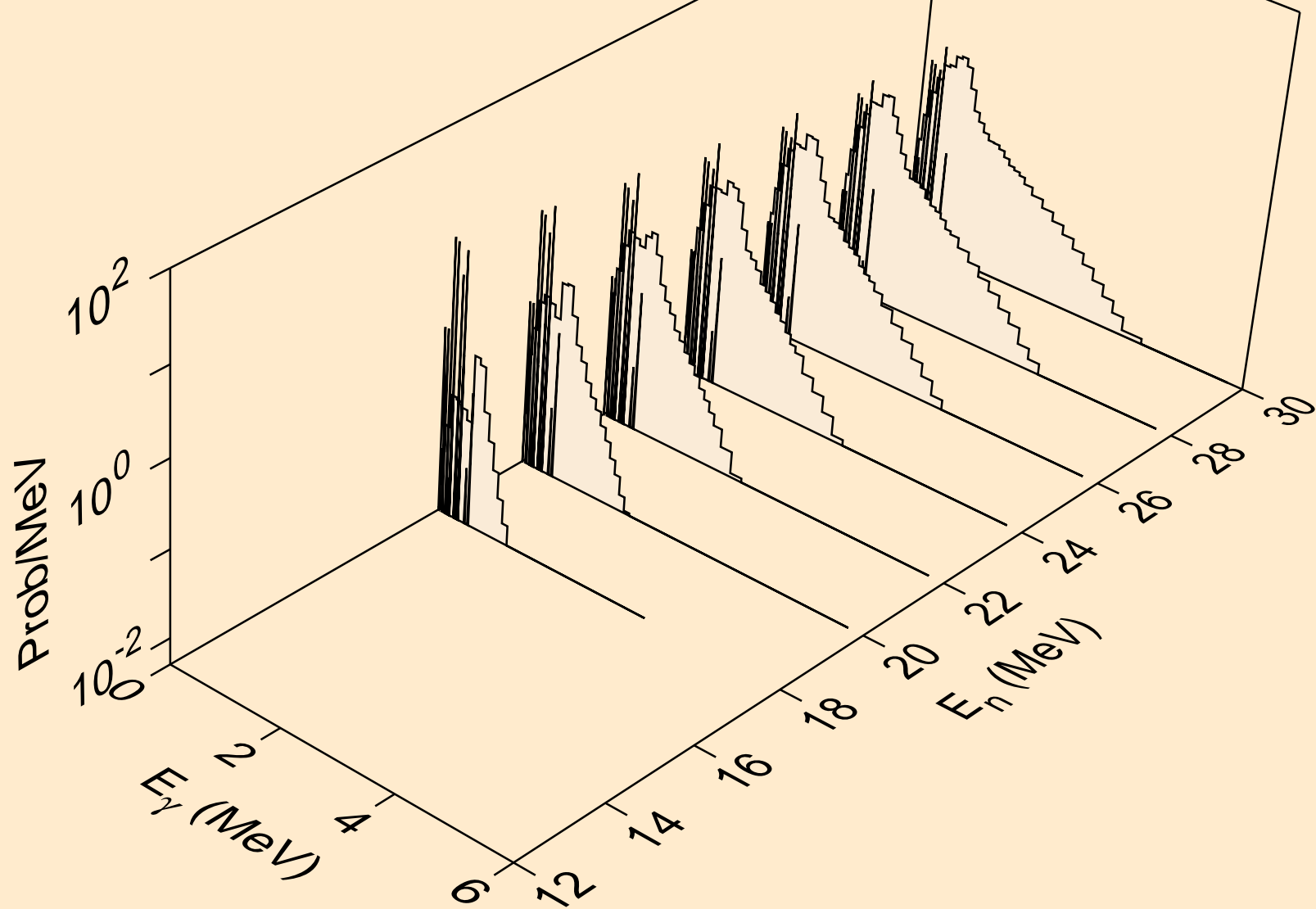
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)he3



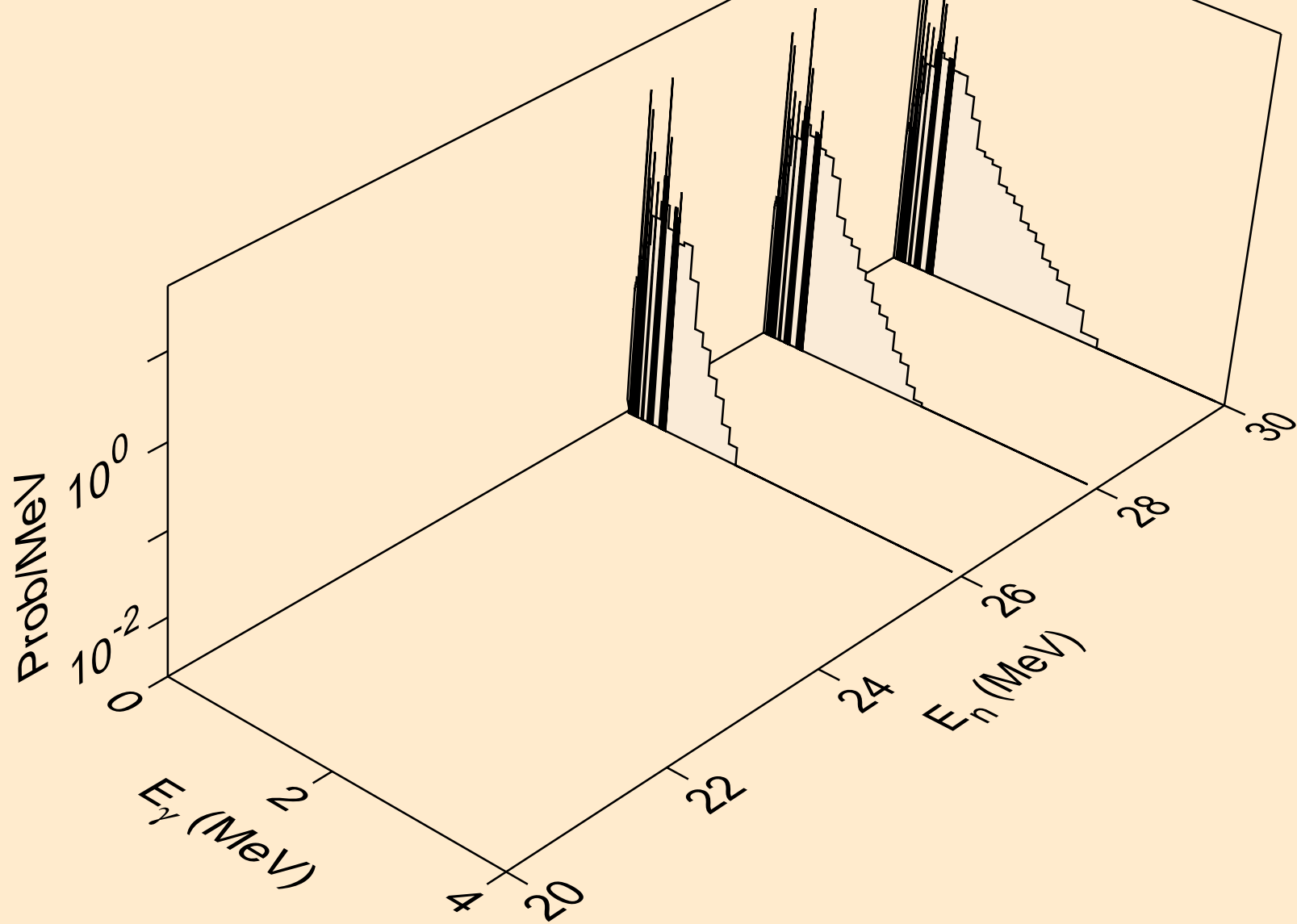
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,4n)



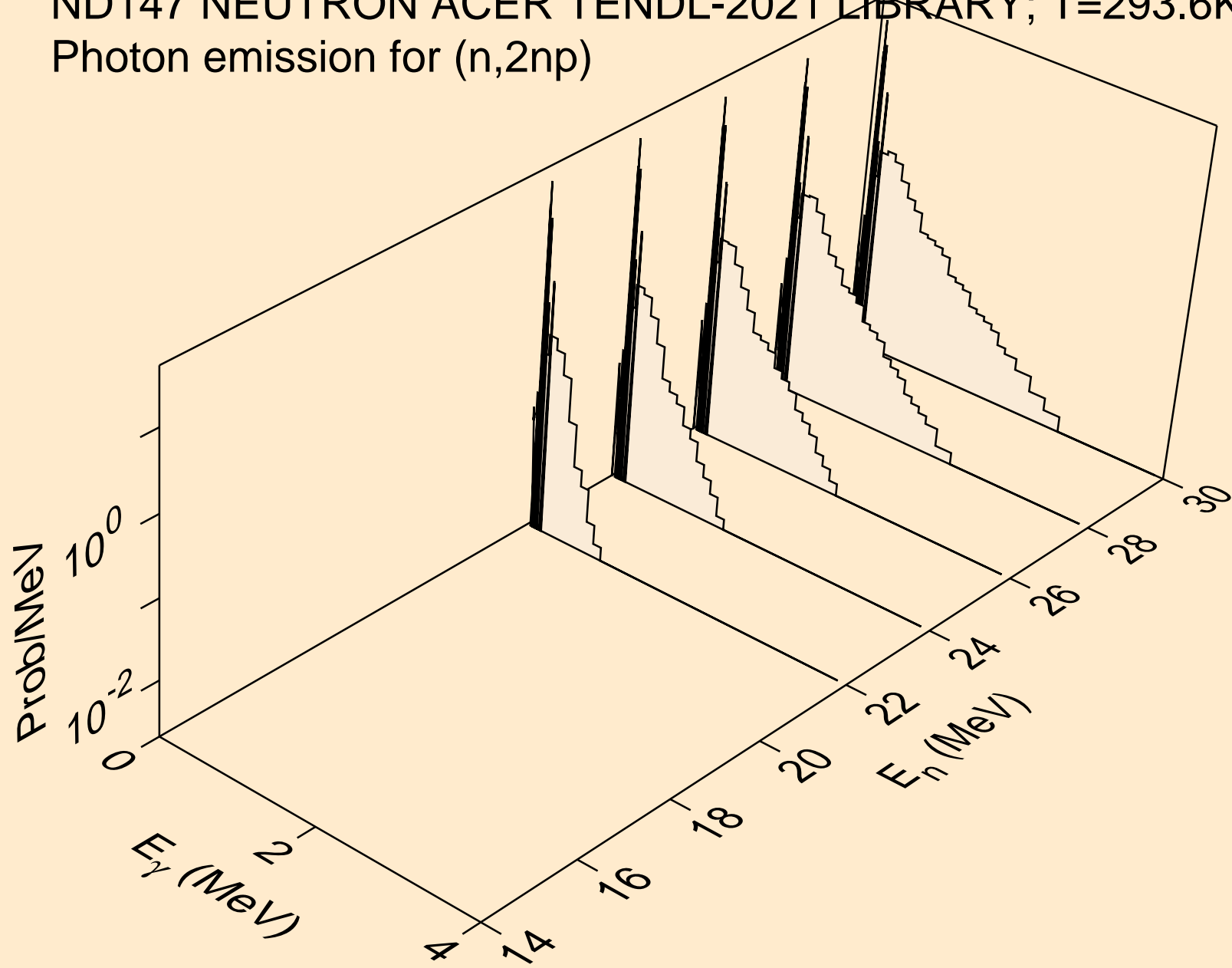
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2np)



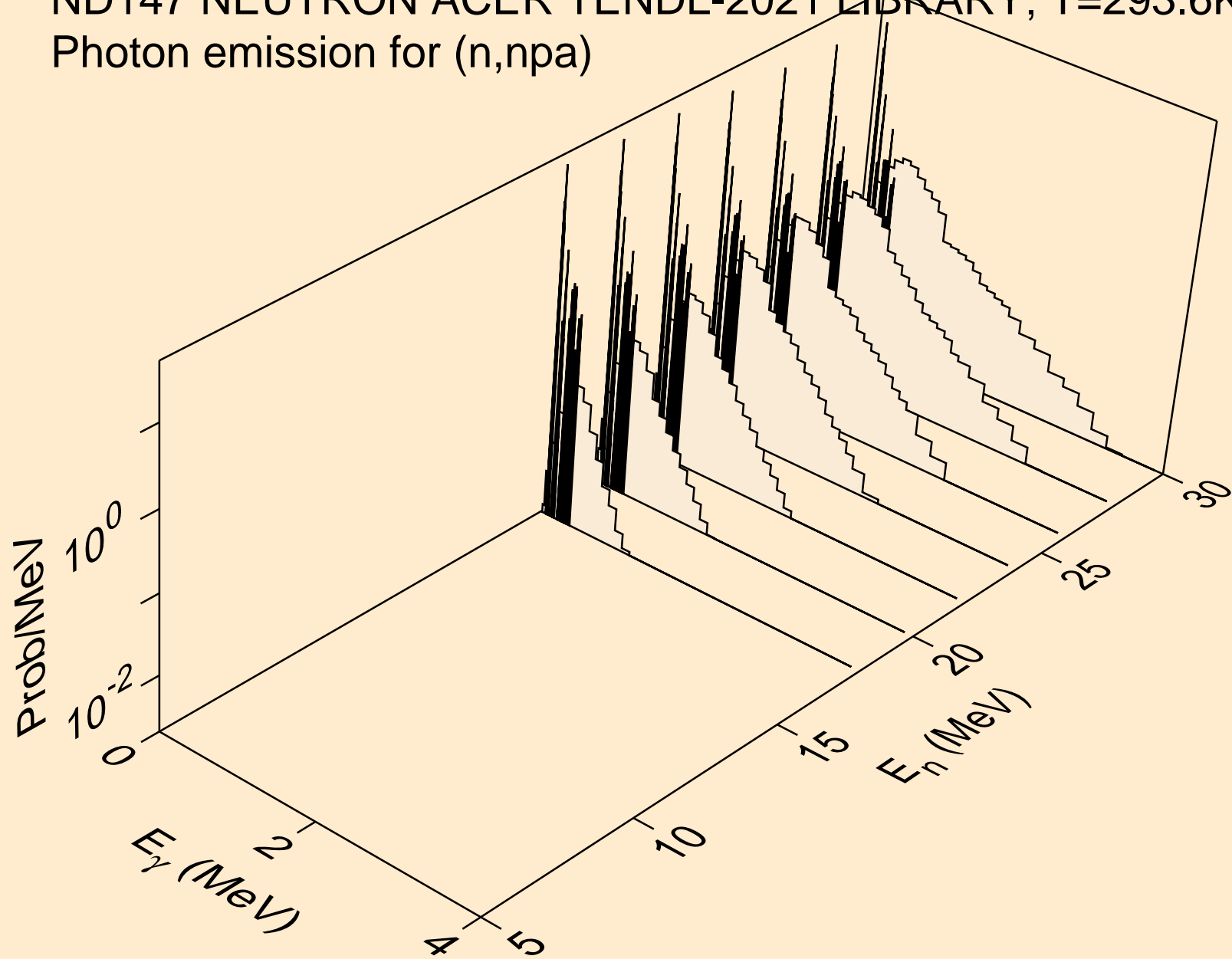
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Photon emission for (n,3np)



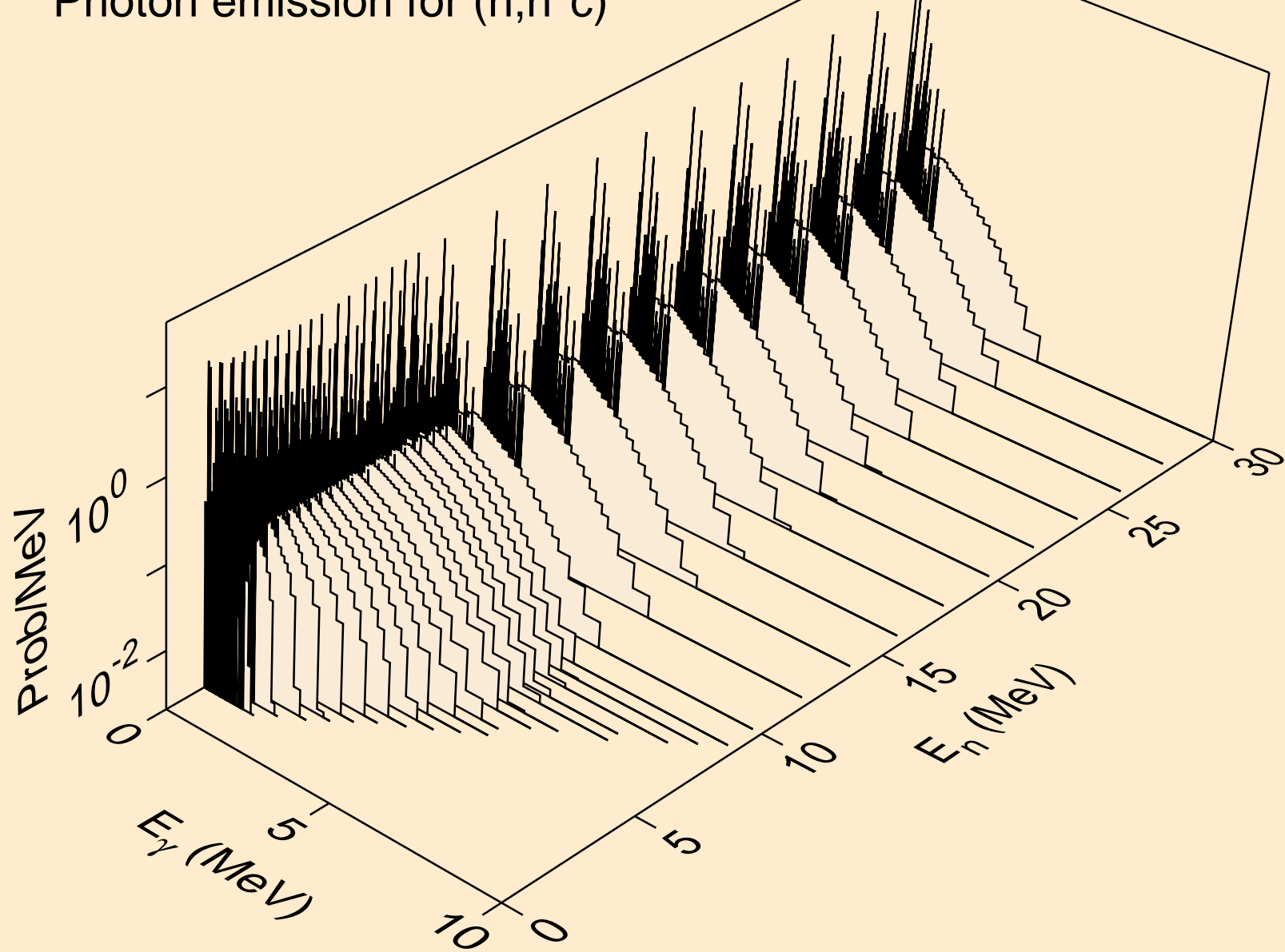
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Photon emission for (n,2np)



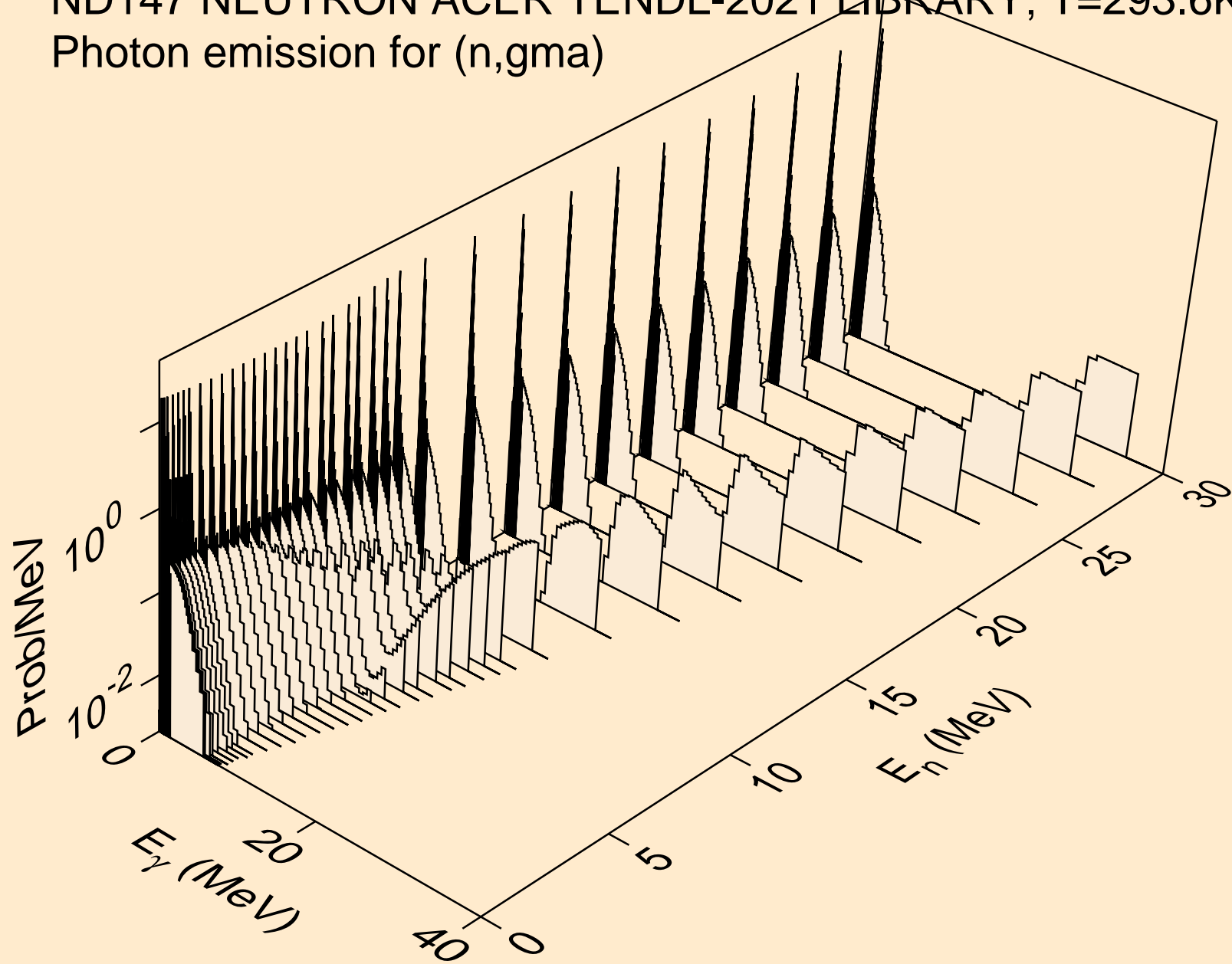
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Photon emission for (n,npa)



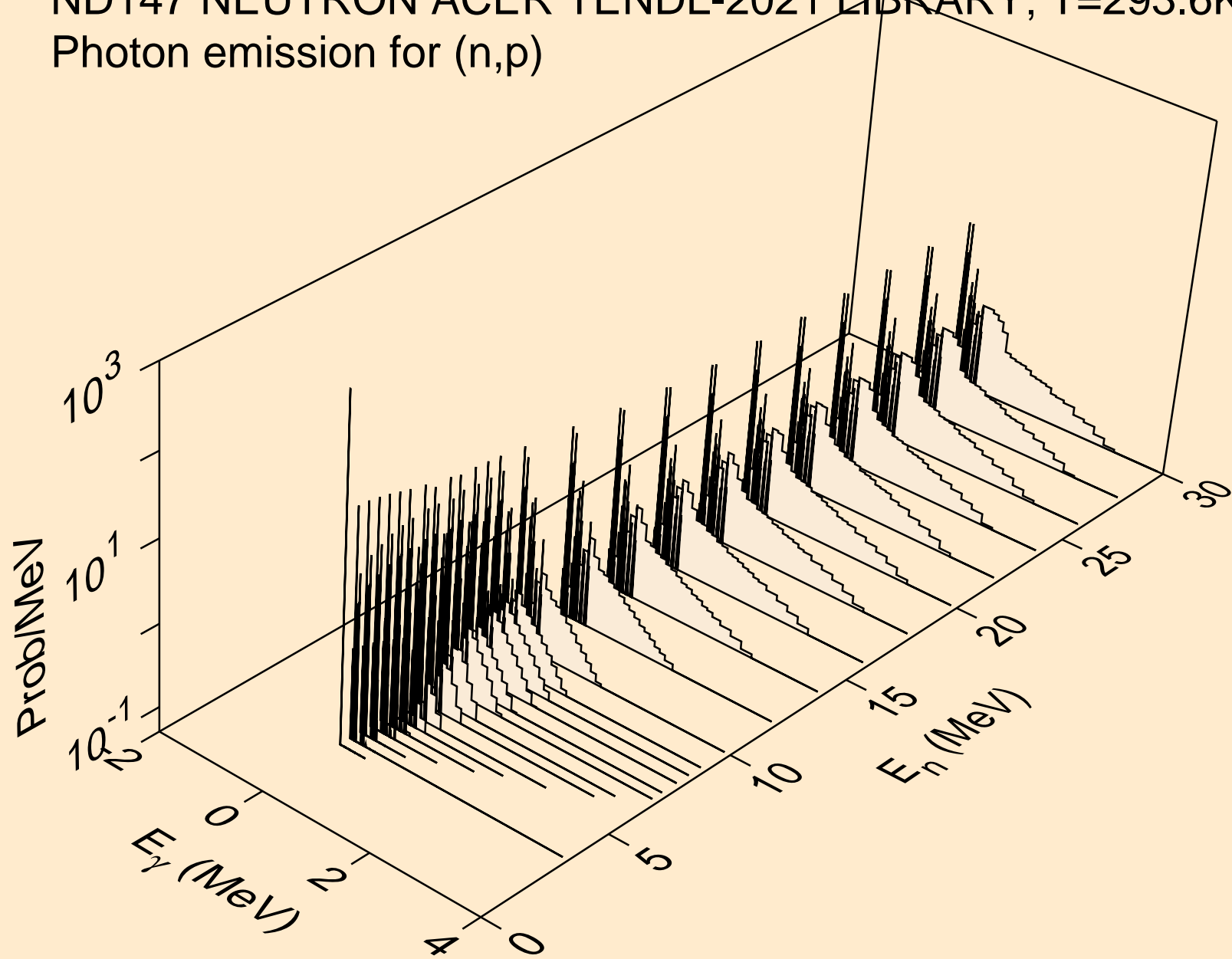
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Photon emission for (n,n*c)



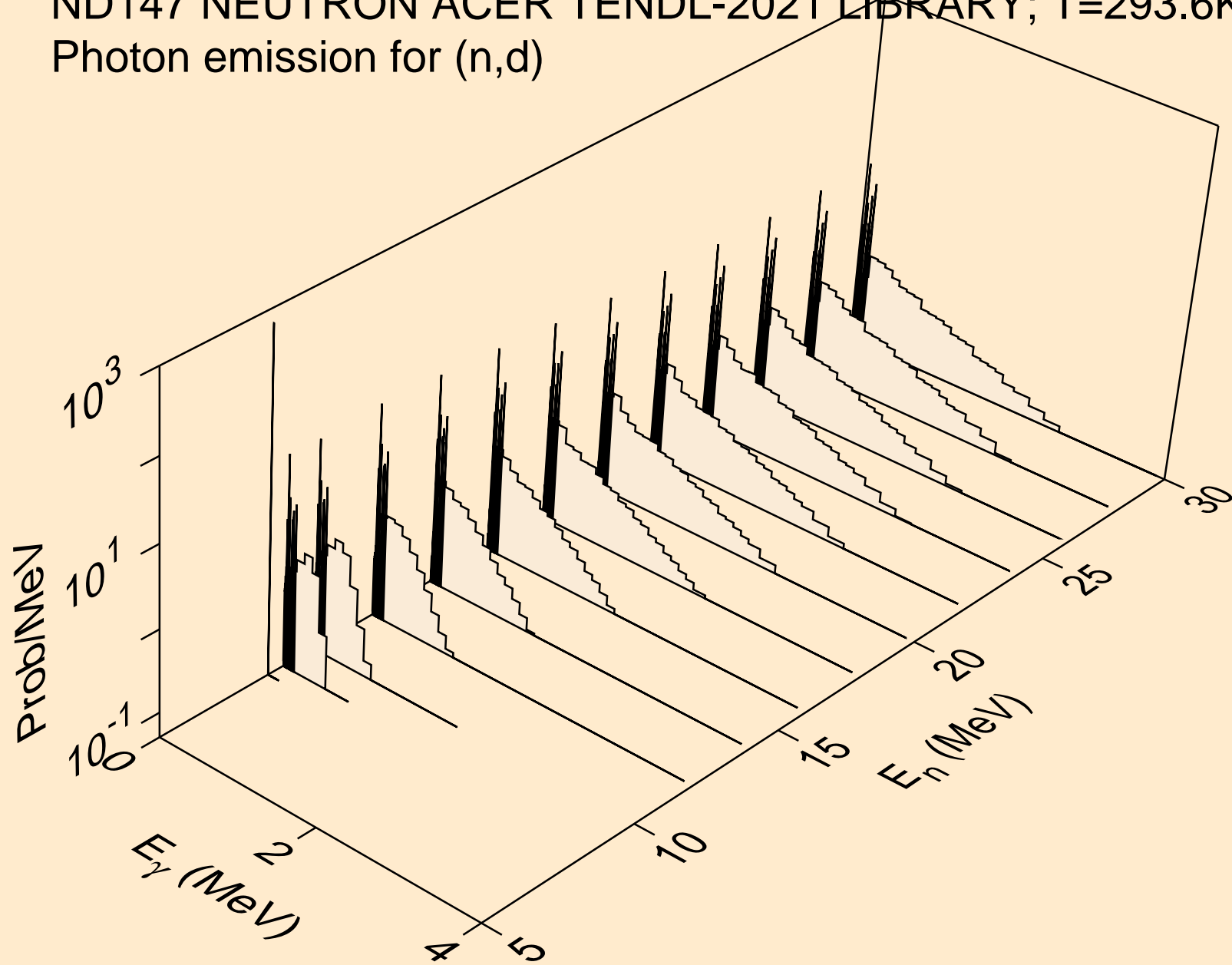
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Photon emission for (n,gma)



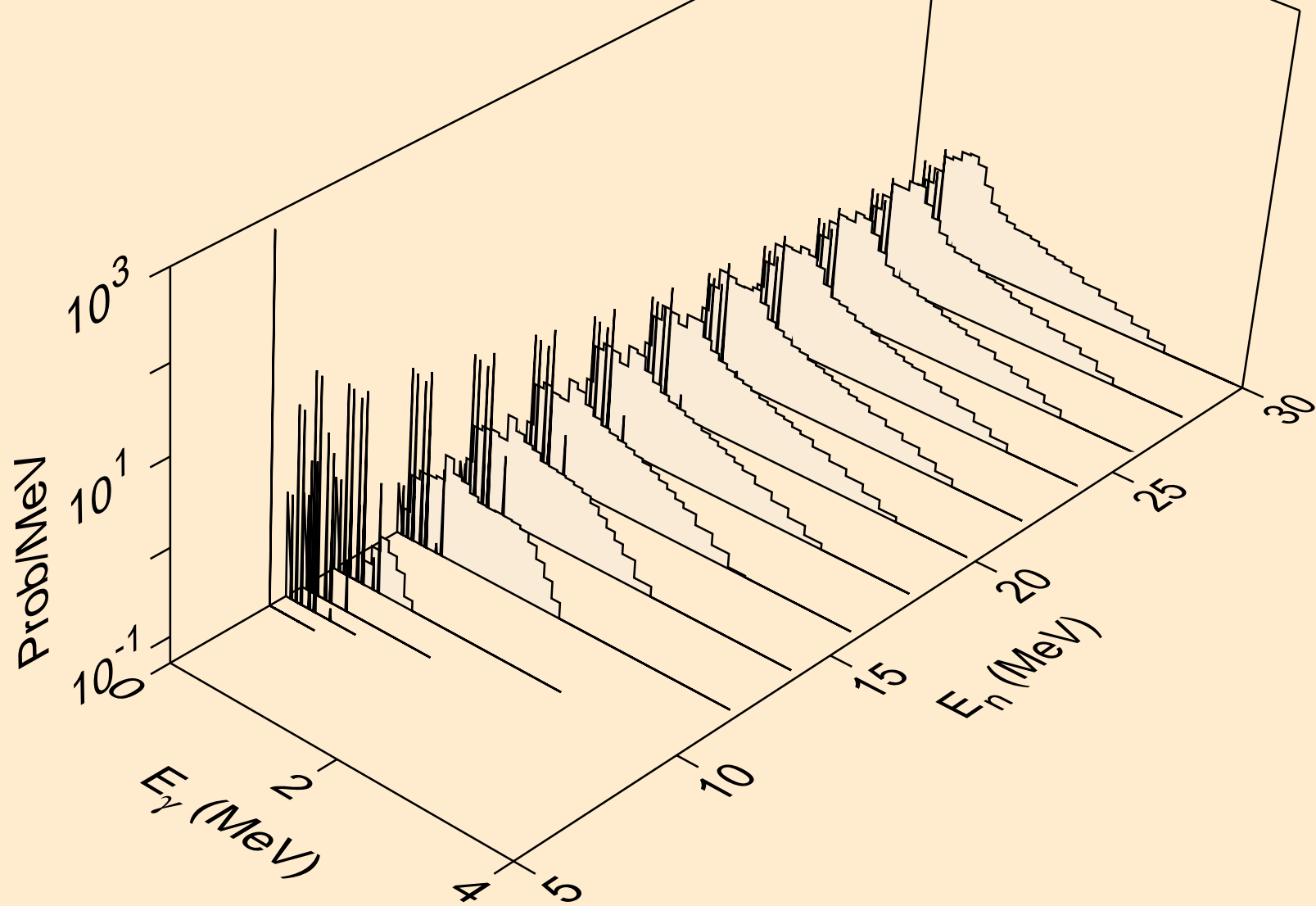
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Photon emission for (n,p)



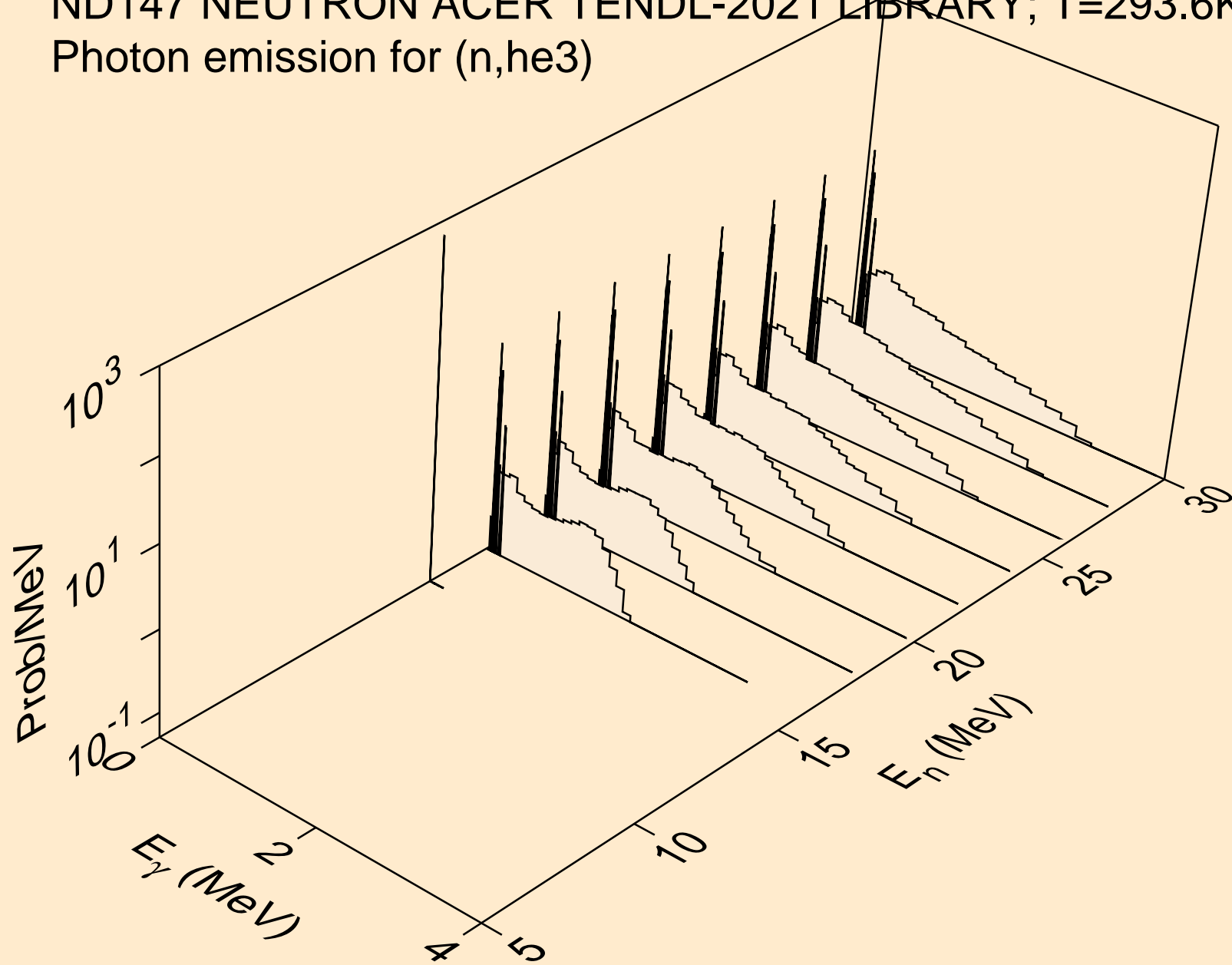
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Photon emission for (n,d)



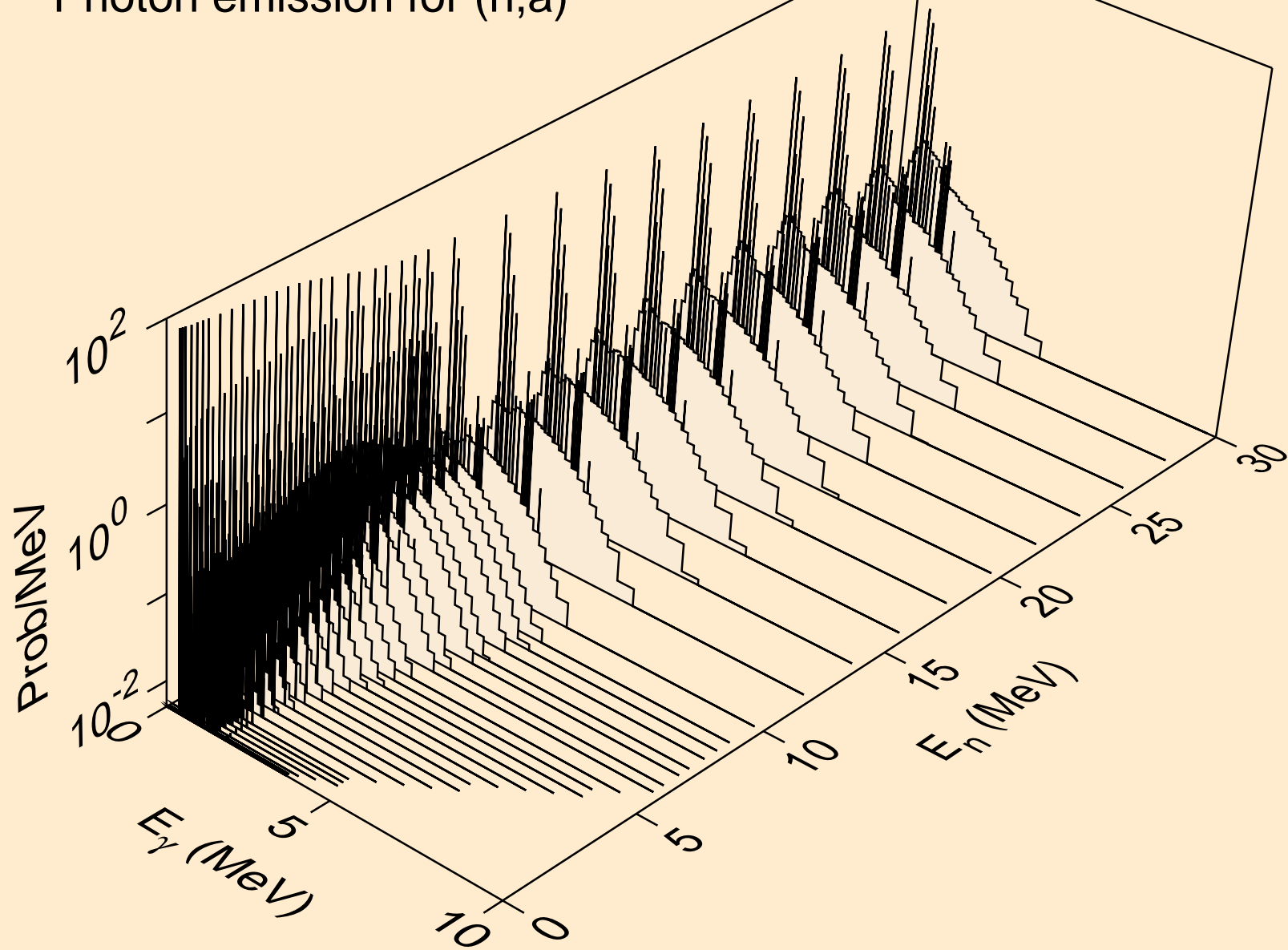
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Photon emission for (n,t)



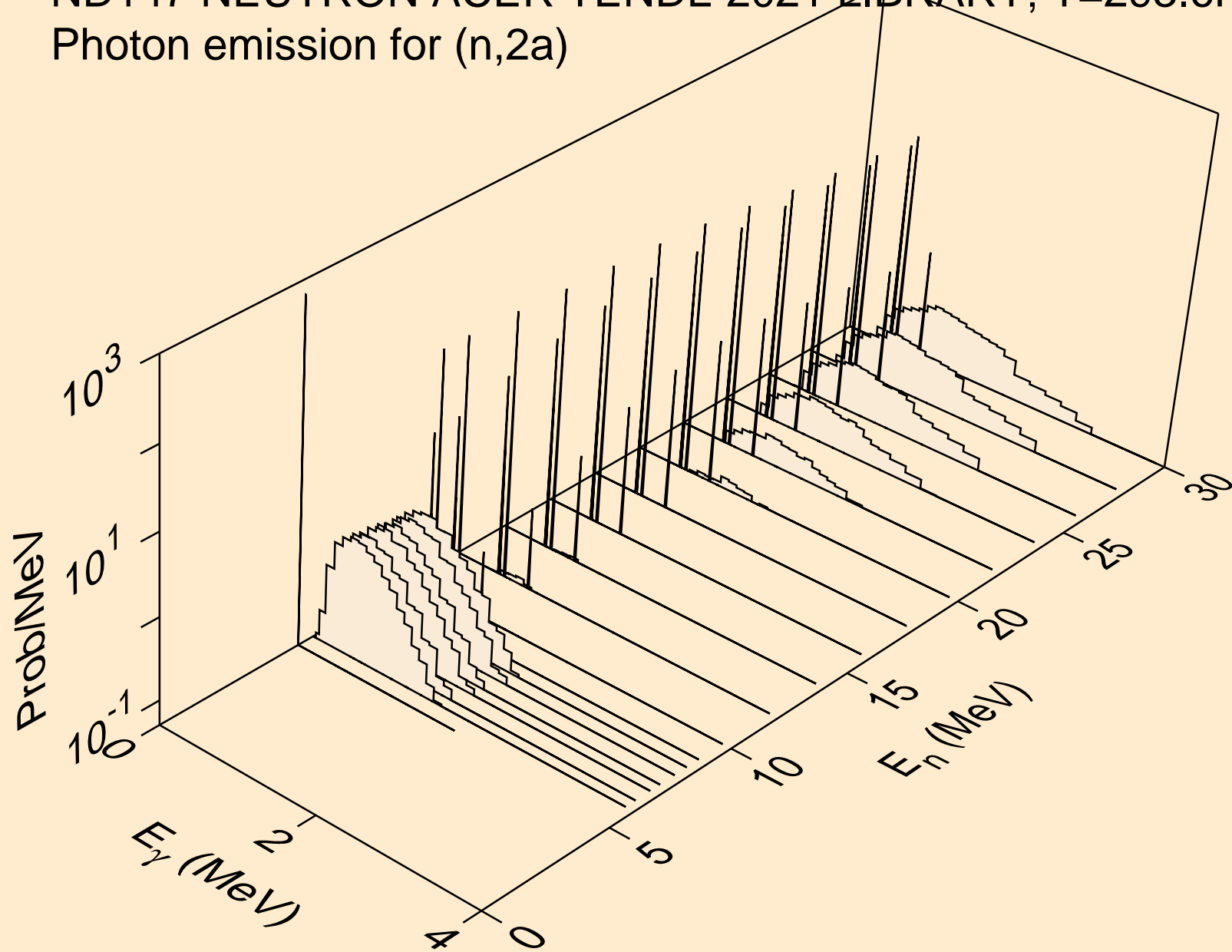
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Photon emission for (n,he3)



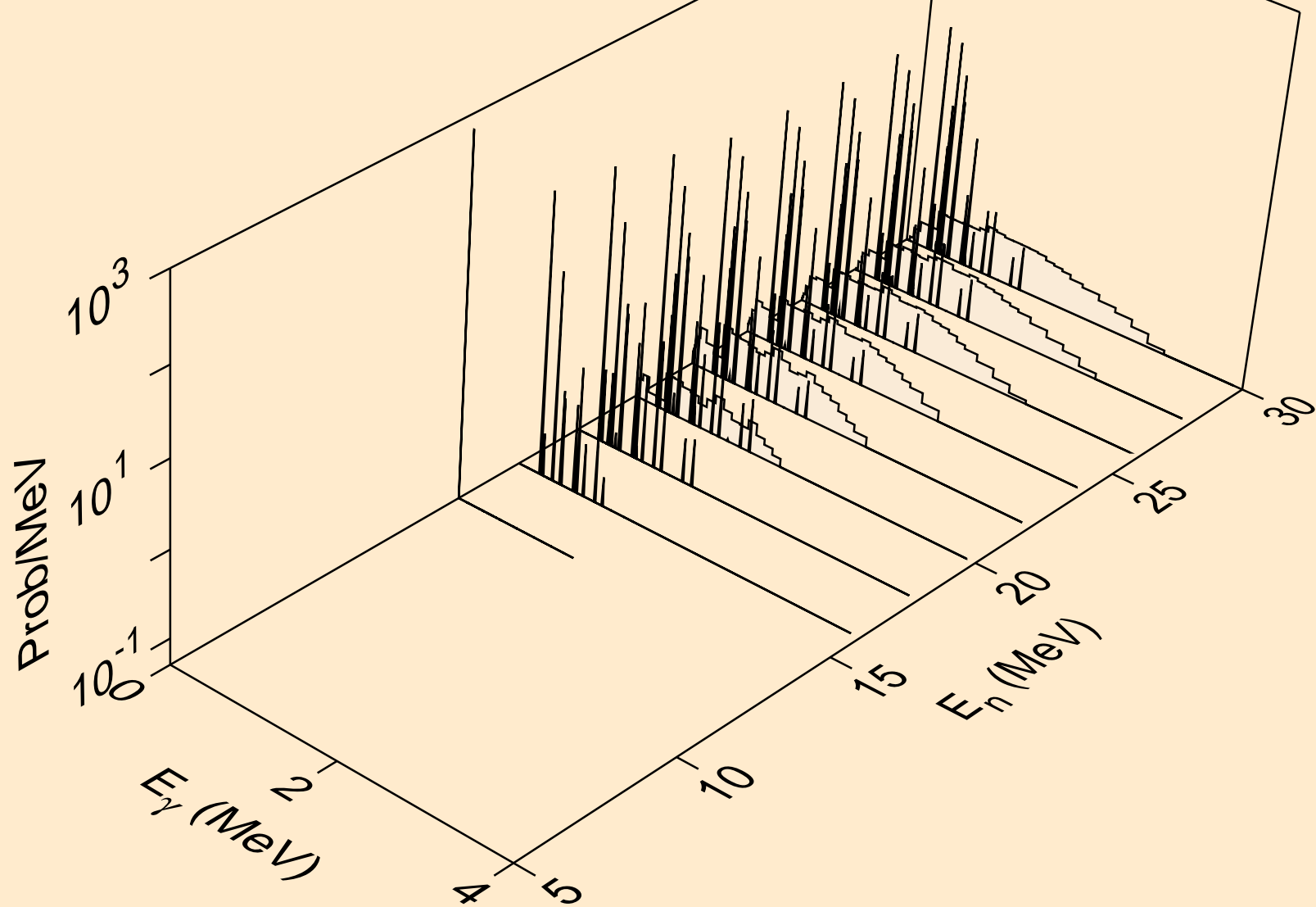
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Photon emission for (n,a)



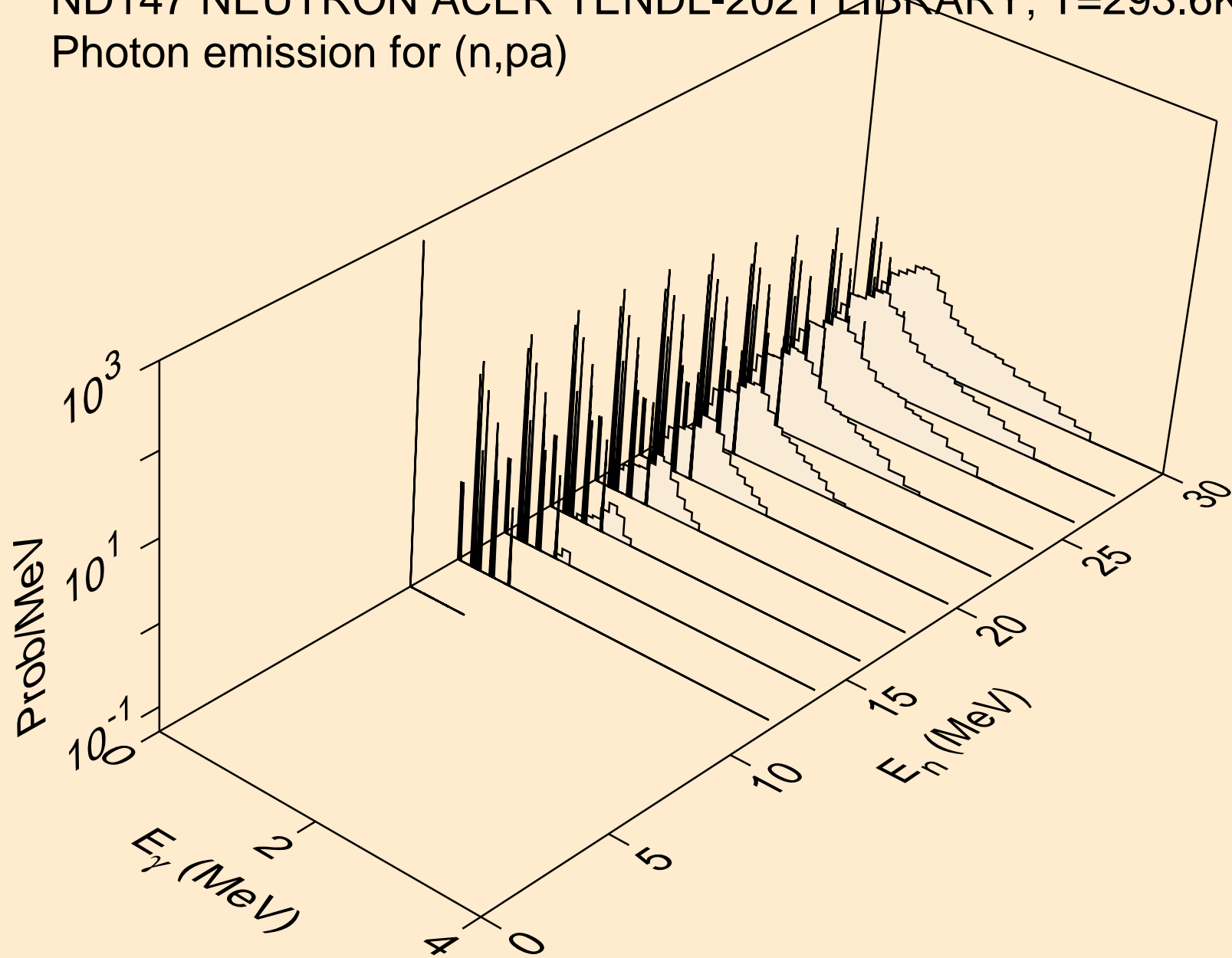
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Photon emission for (n,2a)



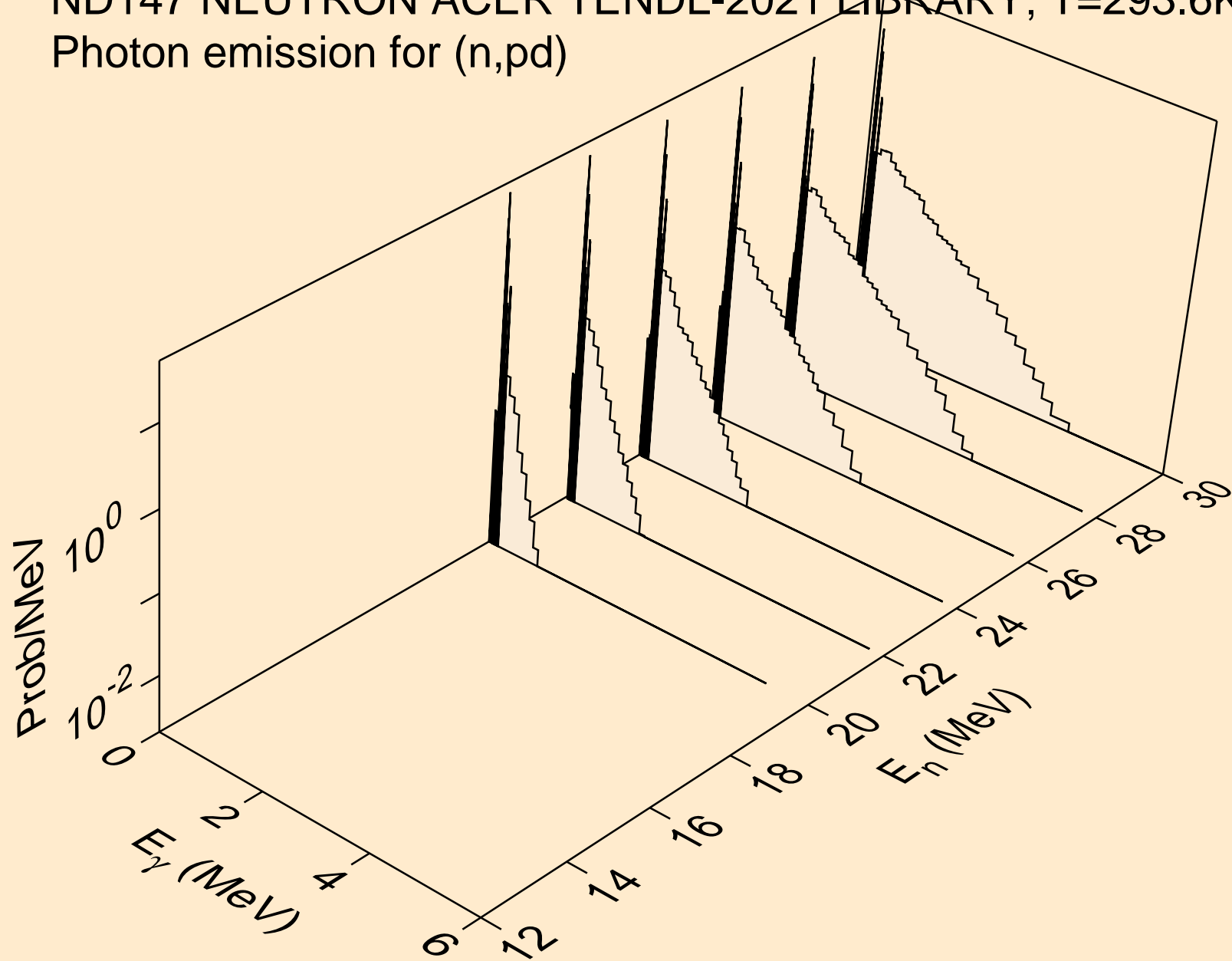
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Photon emission for (n,2p)



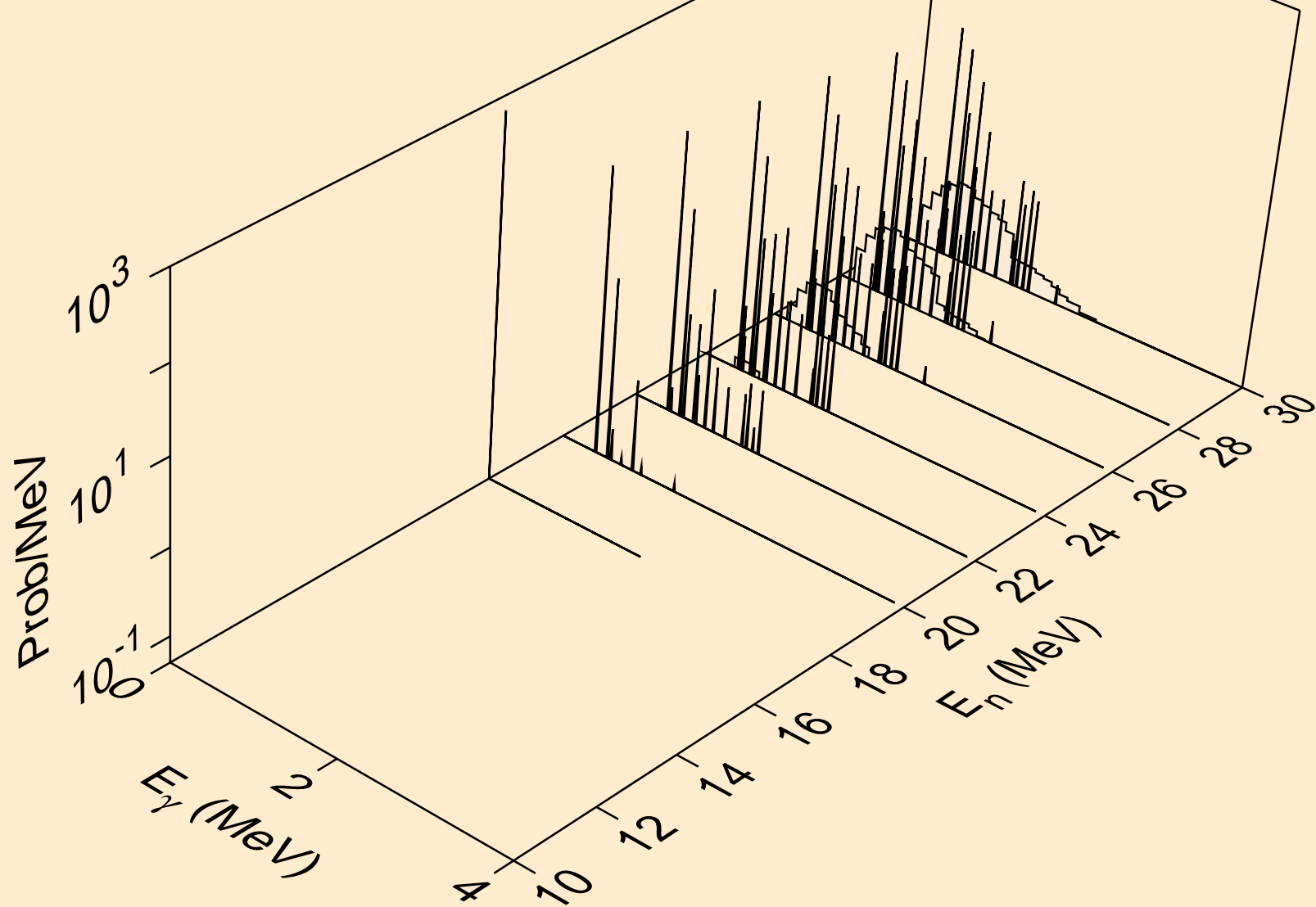
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,p)



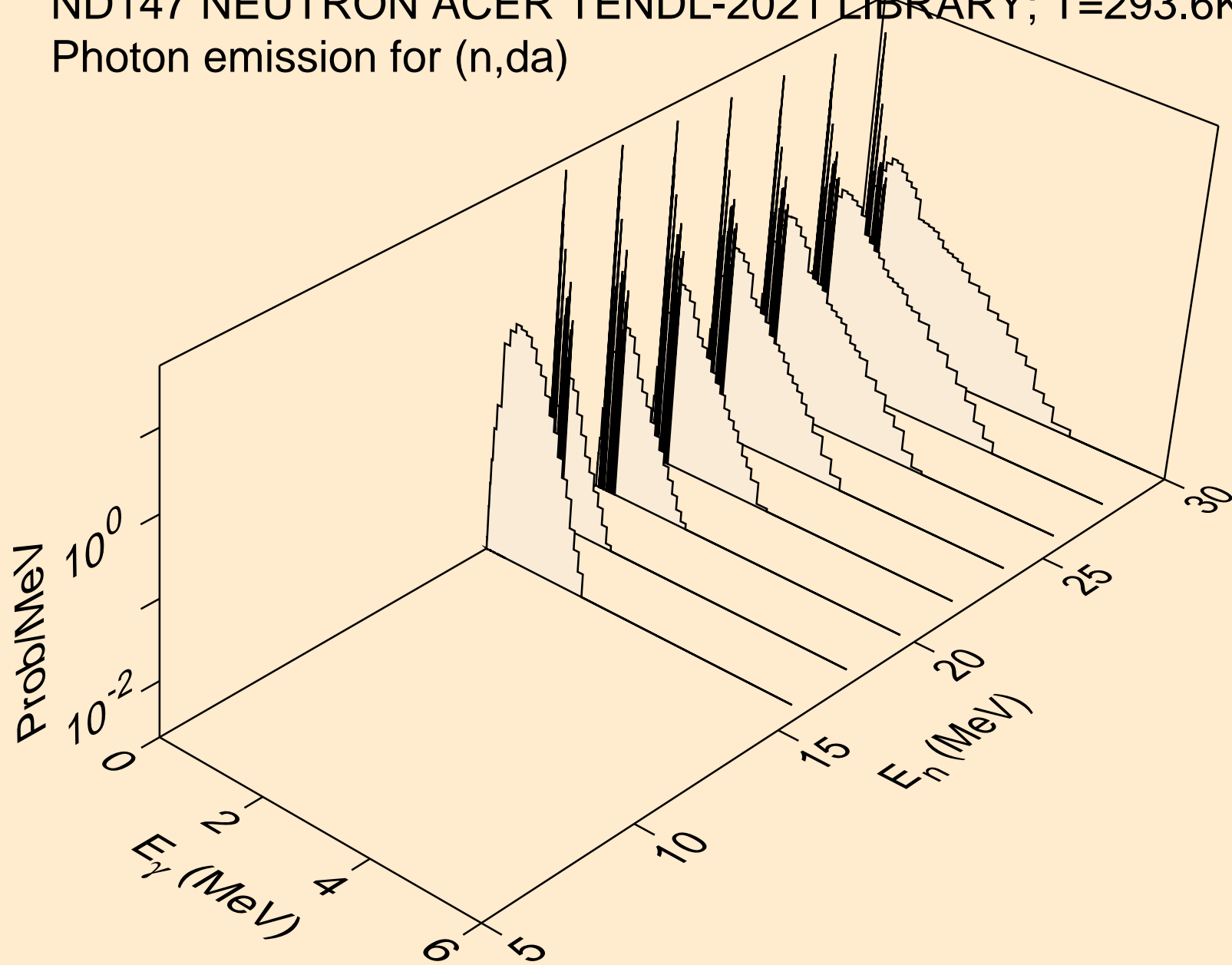
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pd)



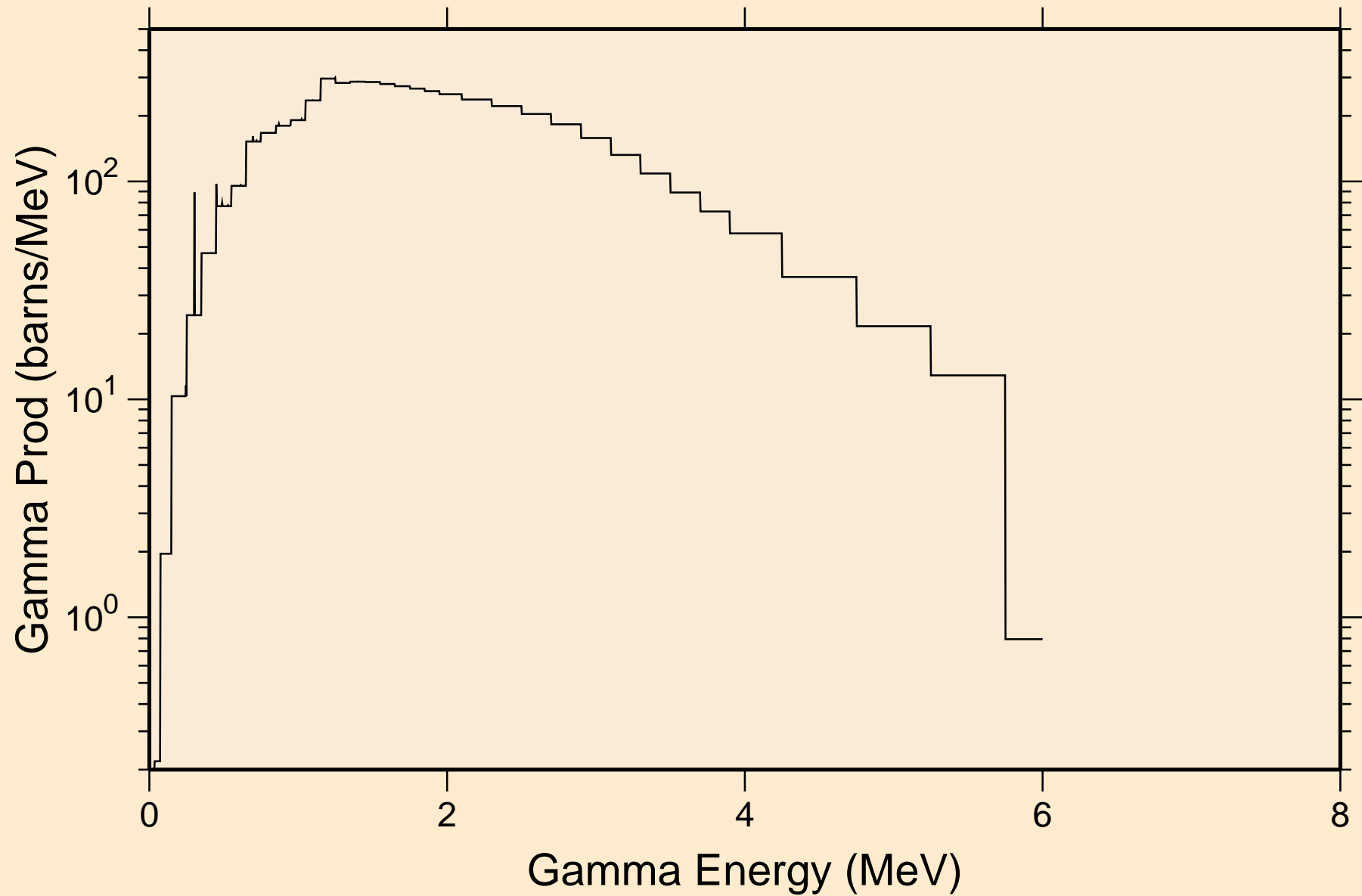
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pt)



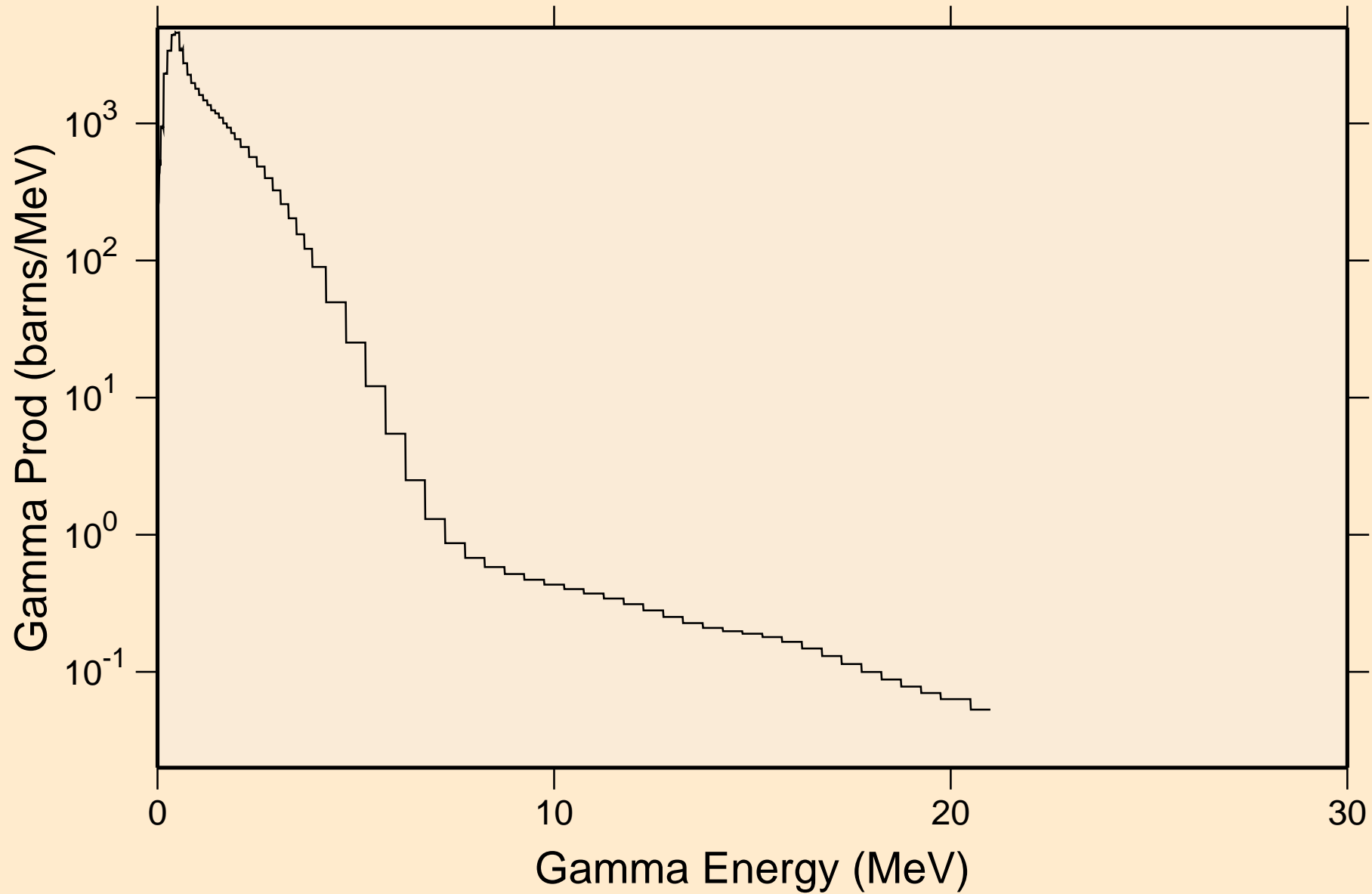
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,da)



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
thermal capture photon spectrum

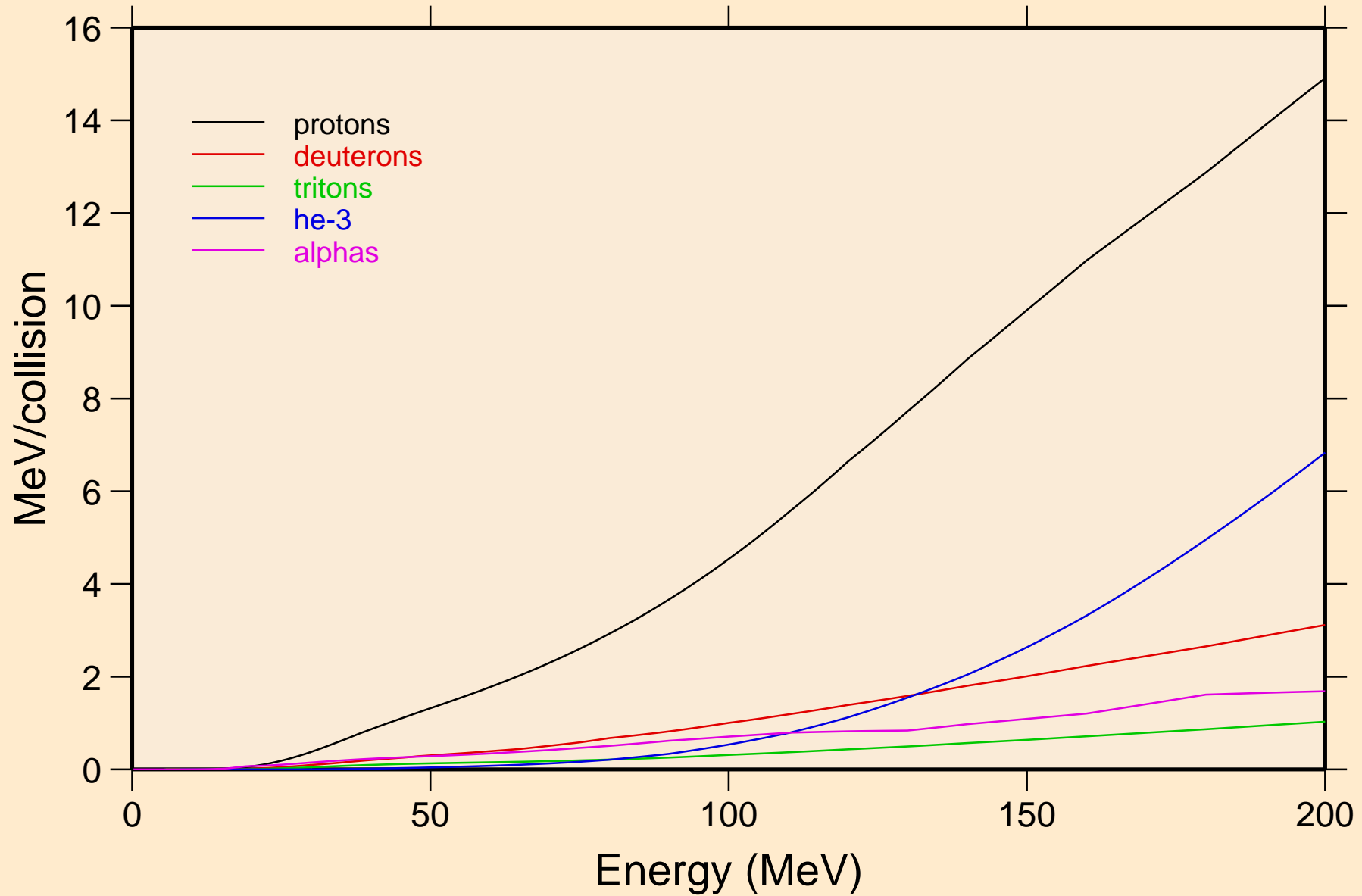


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
14 MeV photon spectrum

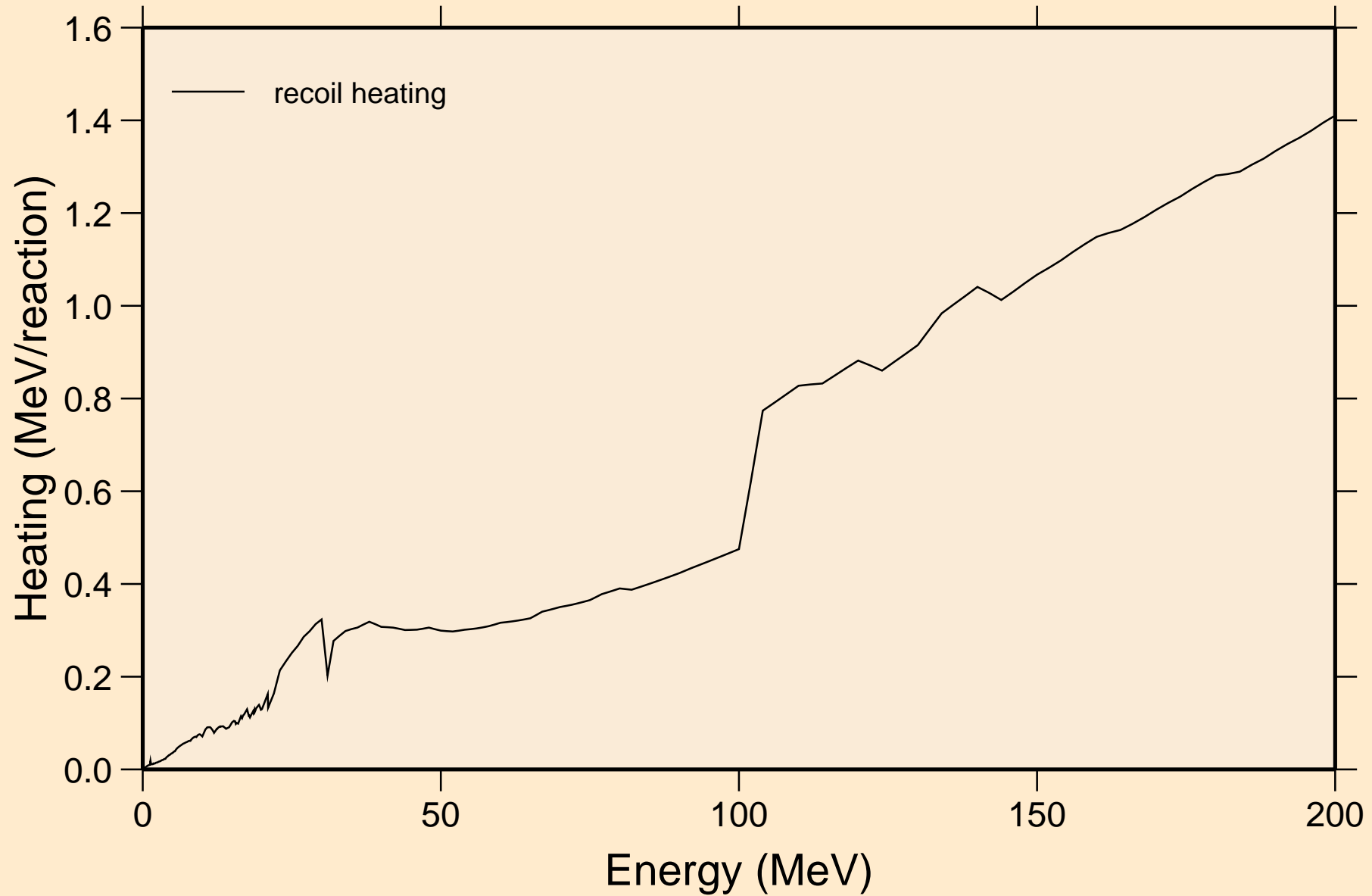


ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

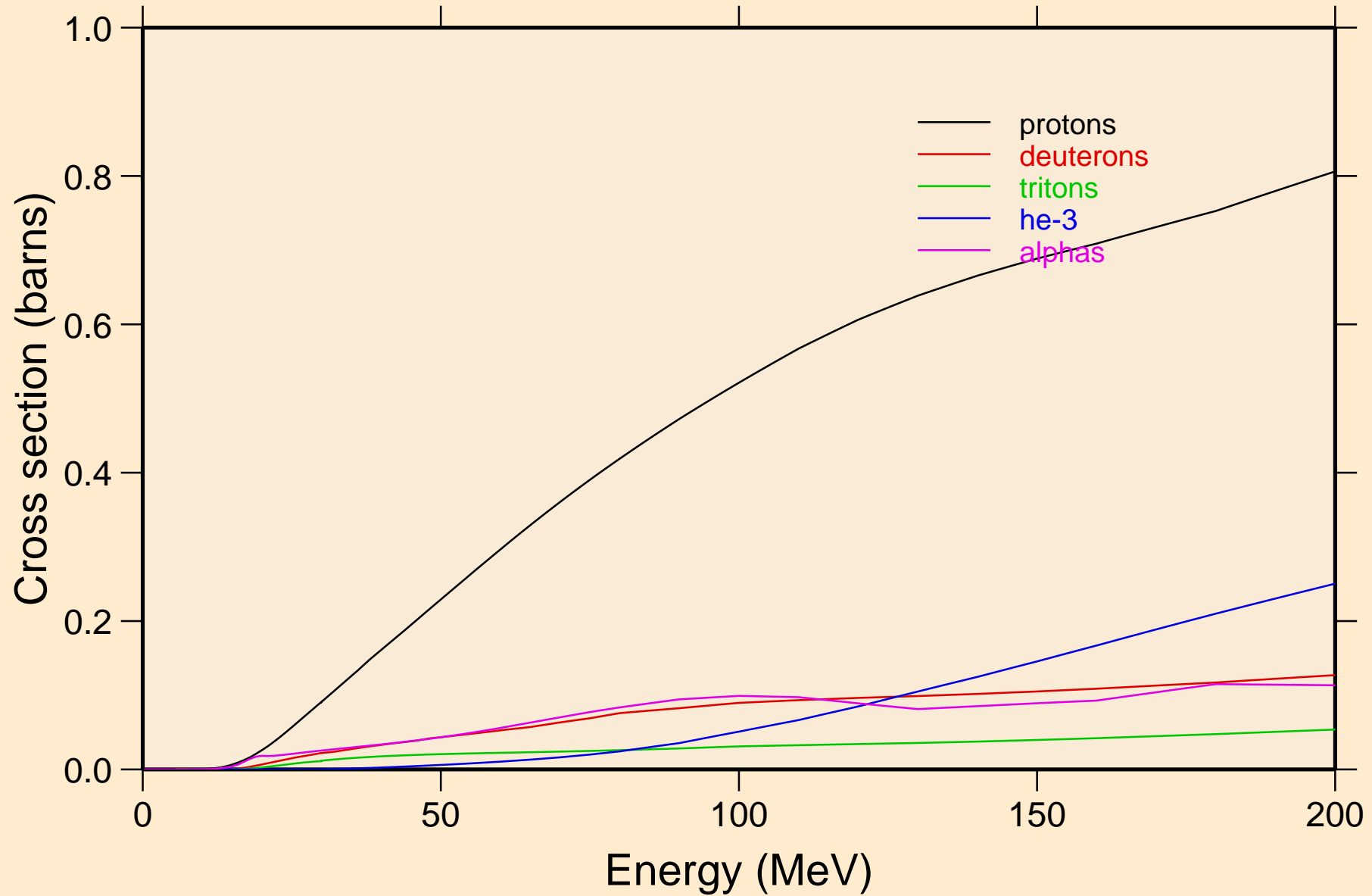
Particle heating contributions



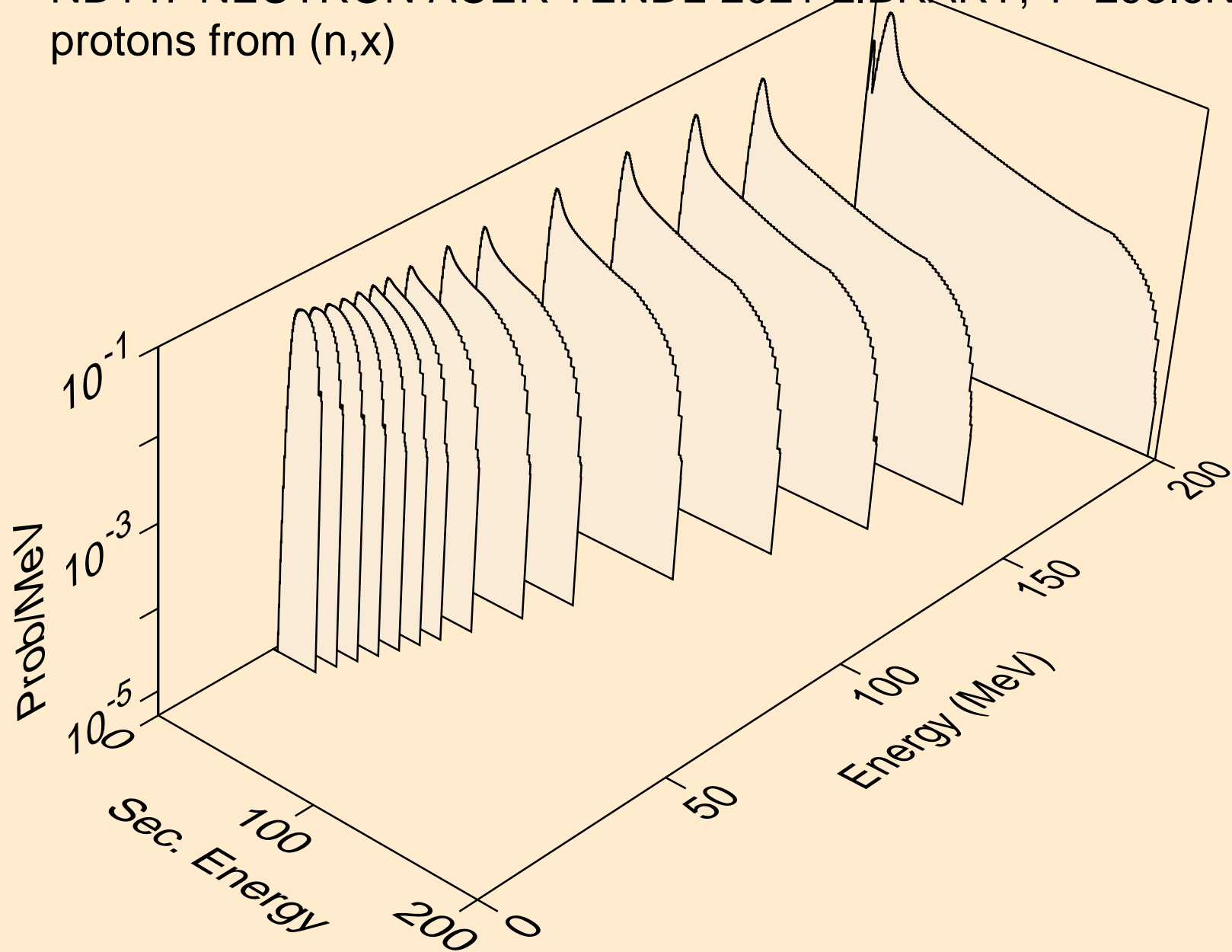
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Recoil Heating



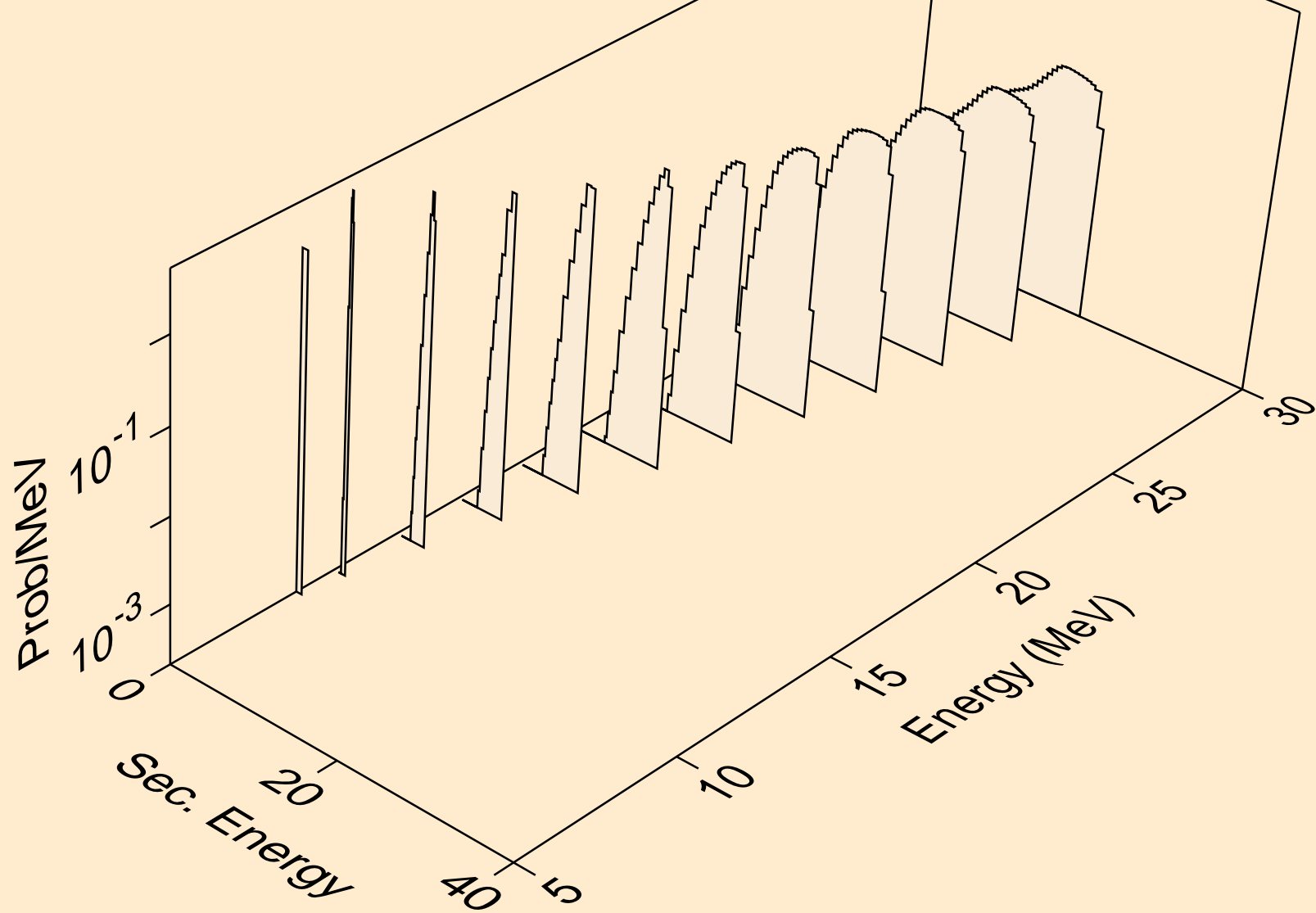
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Particle production cross sections



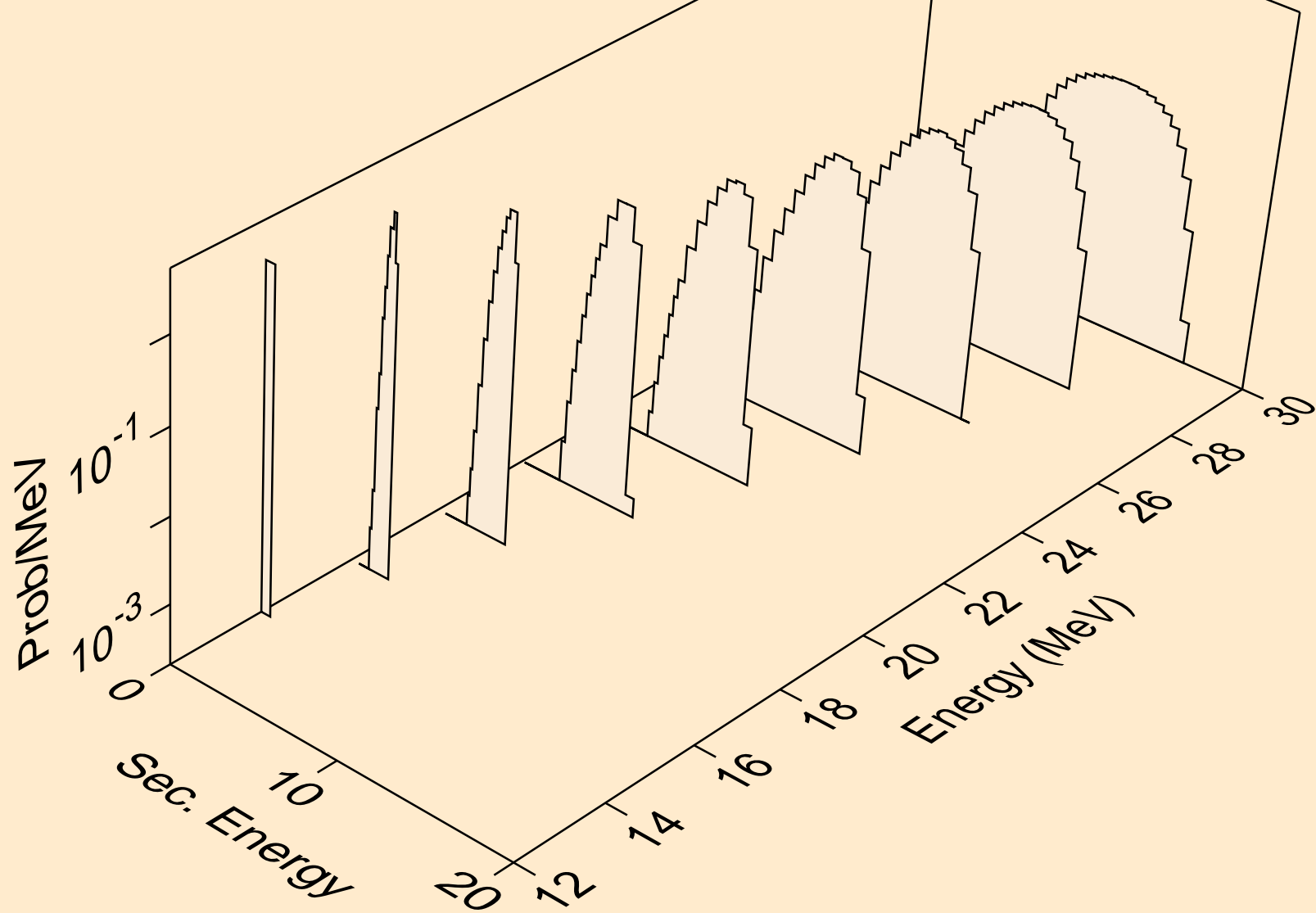
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,x)



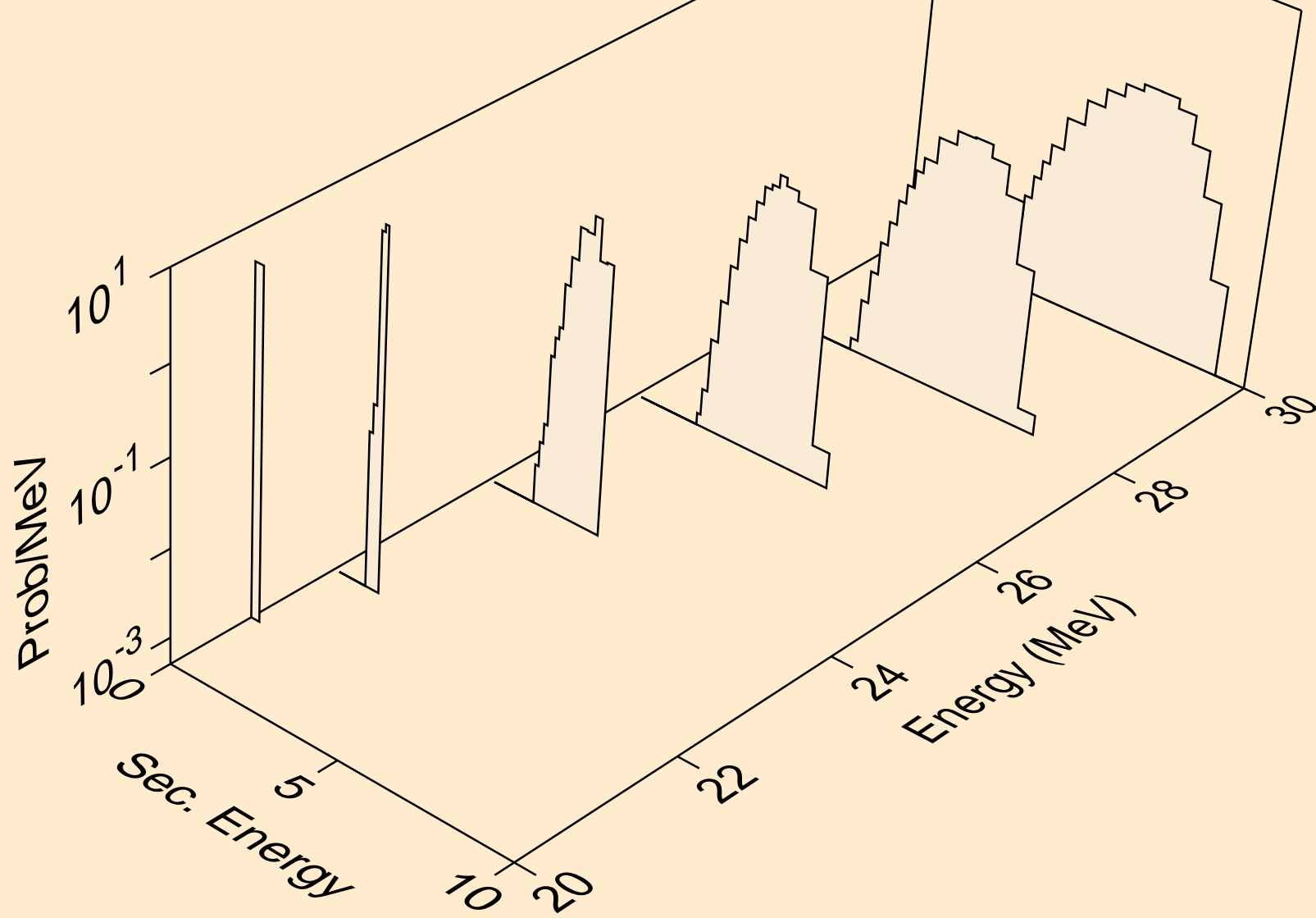
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protons from (n,n*)p



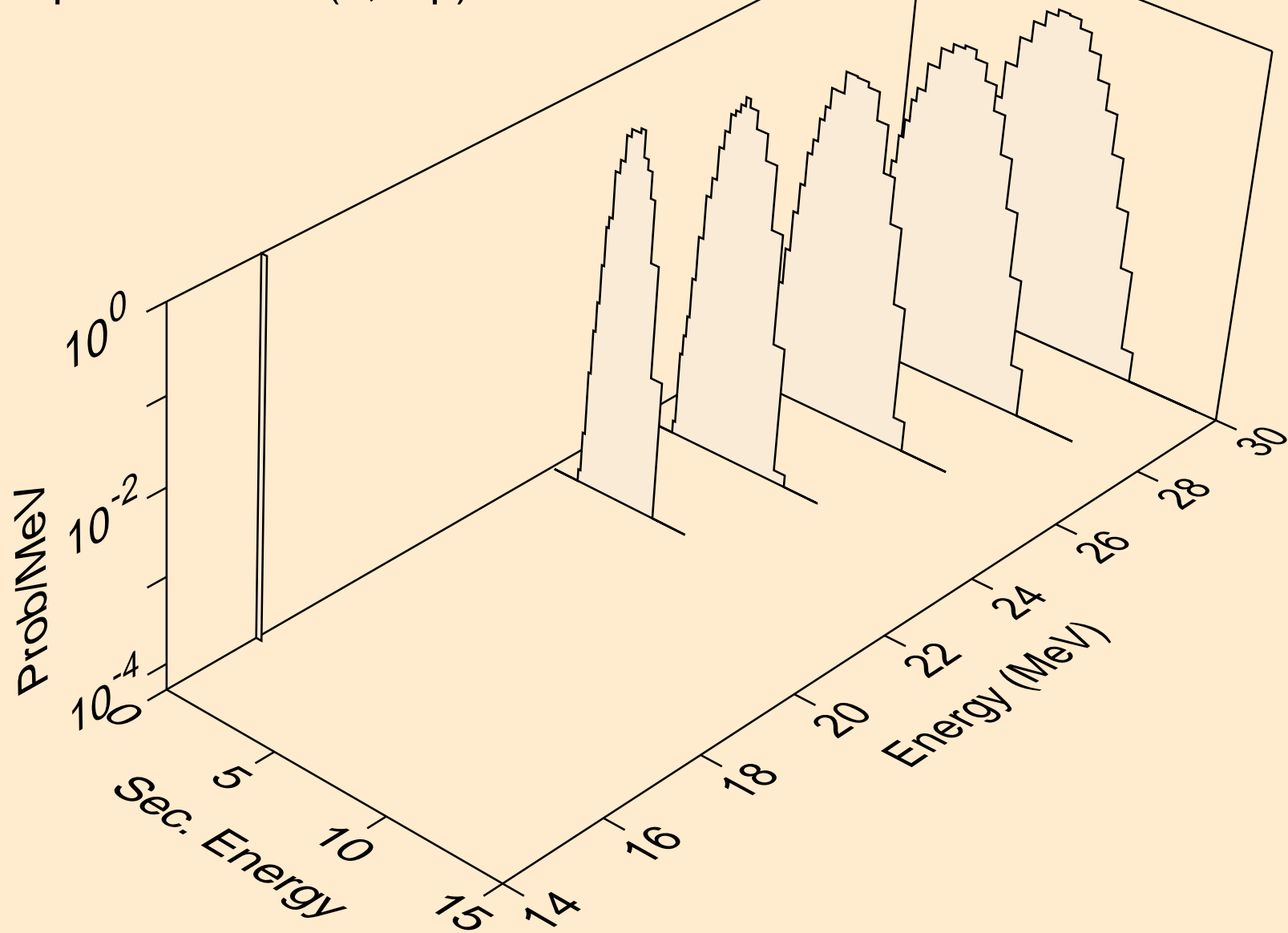
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protons from (n,2np)



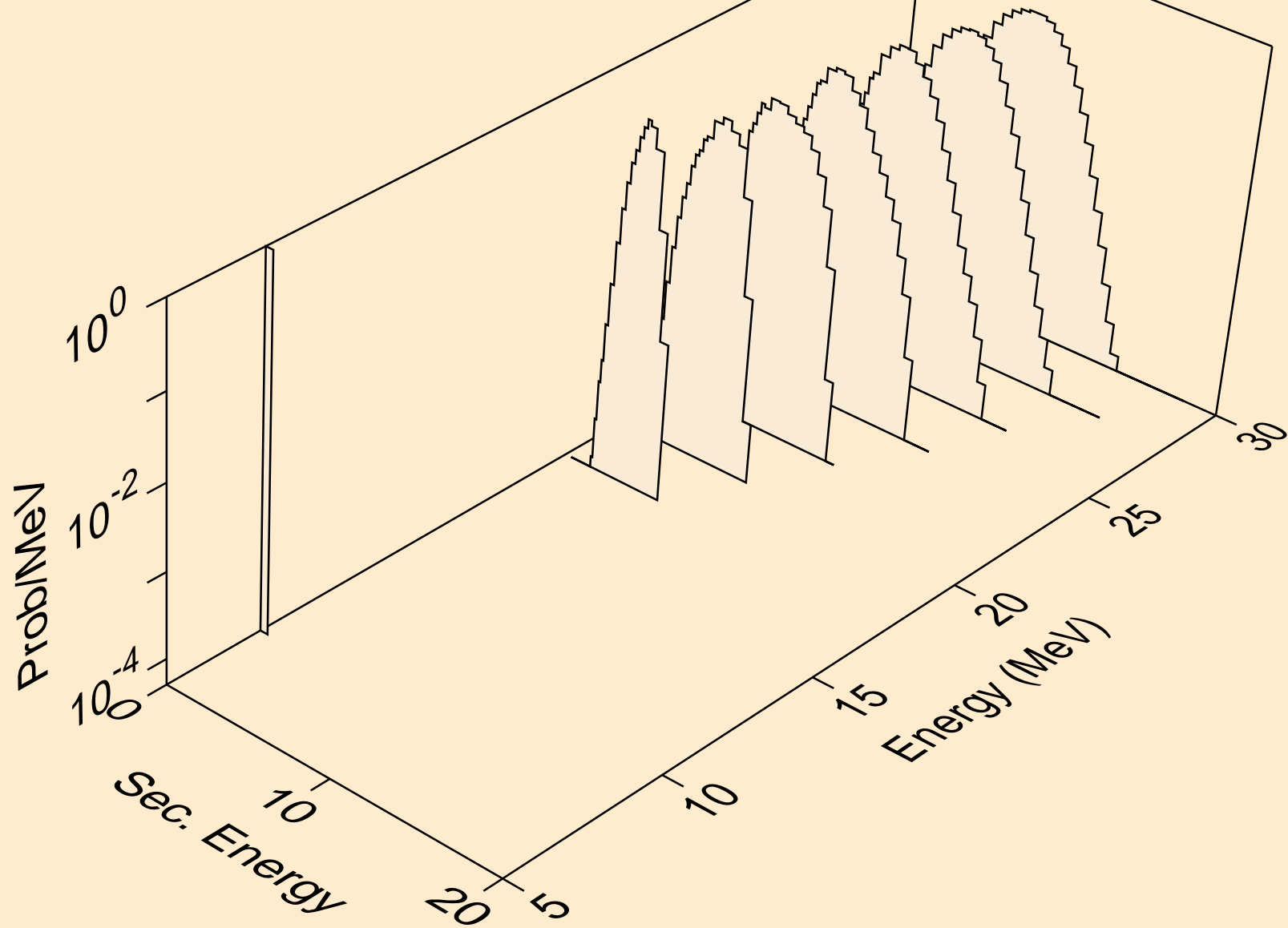
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protons from (n,3np)



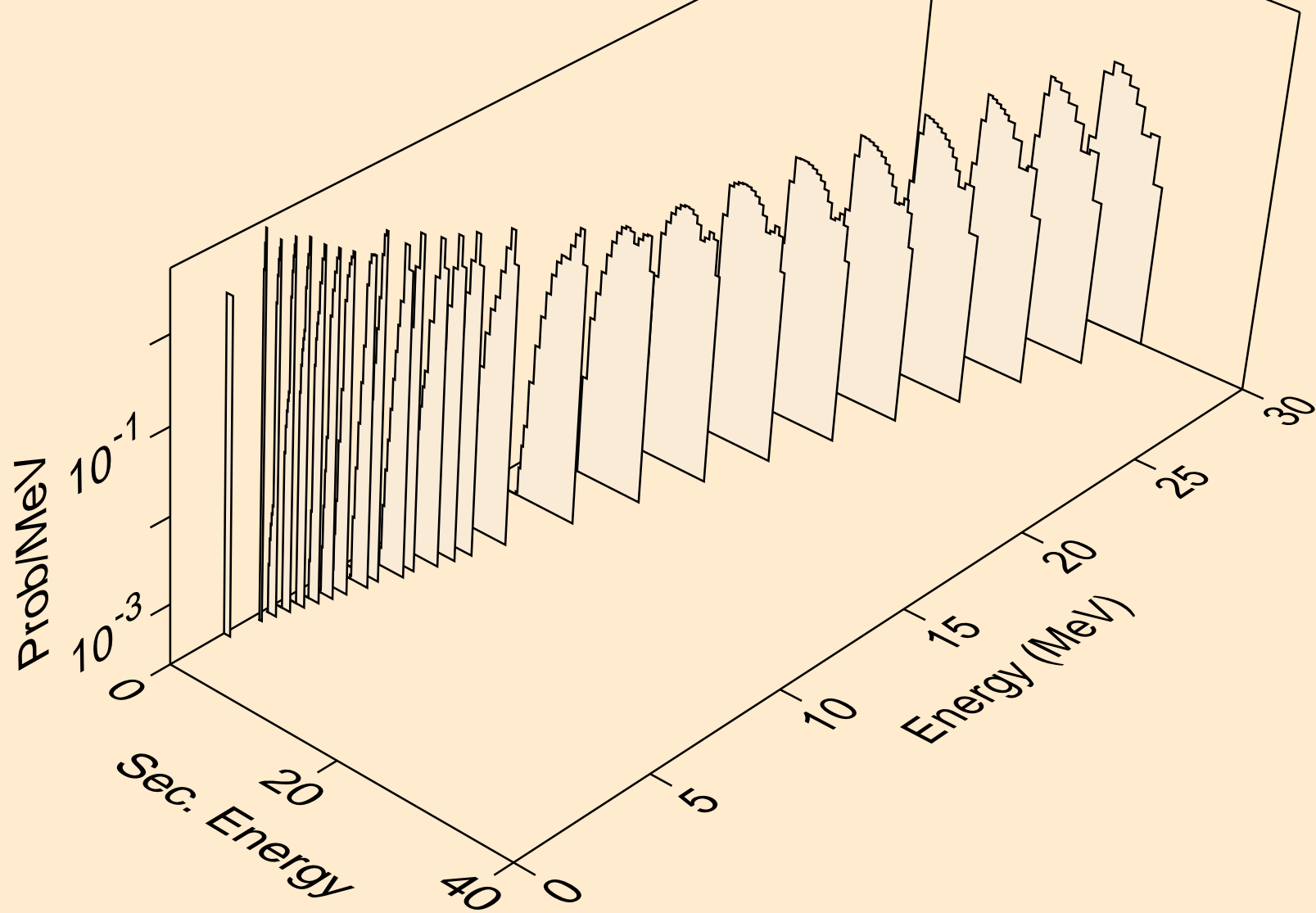
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protons from (n,2np)



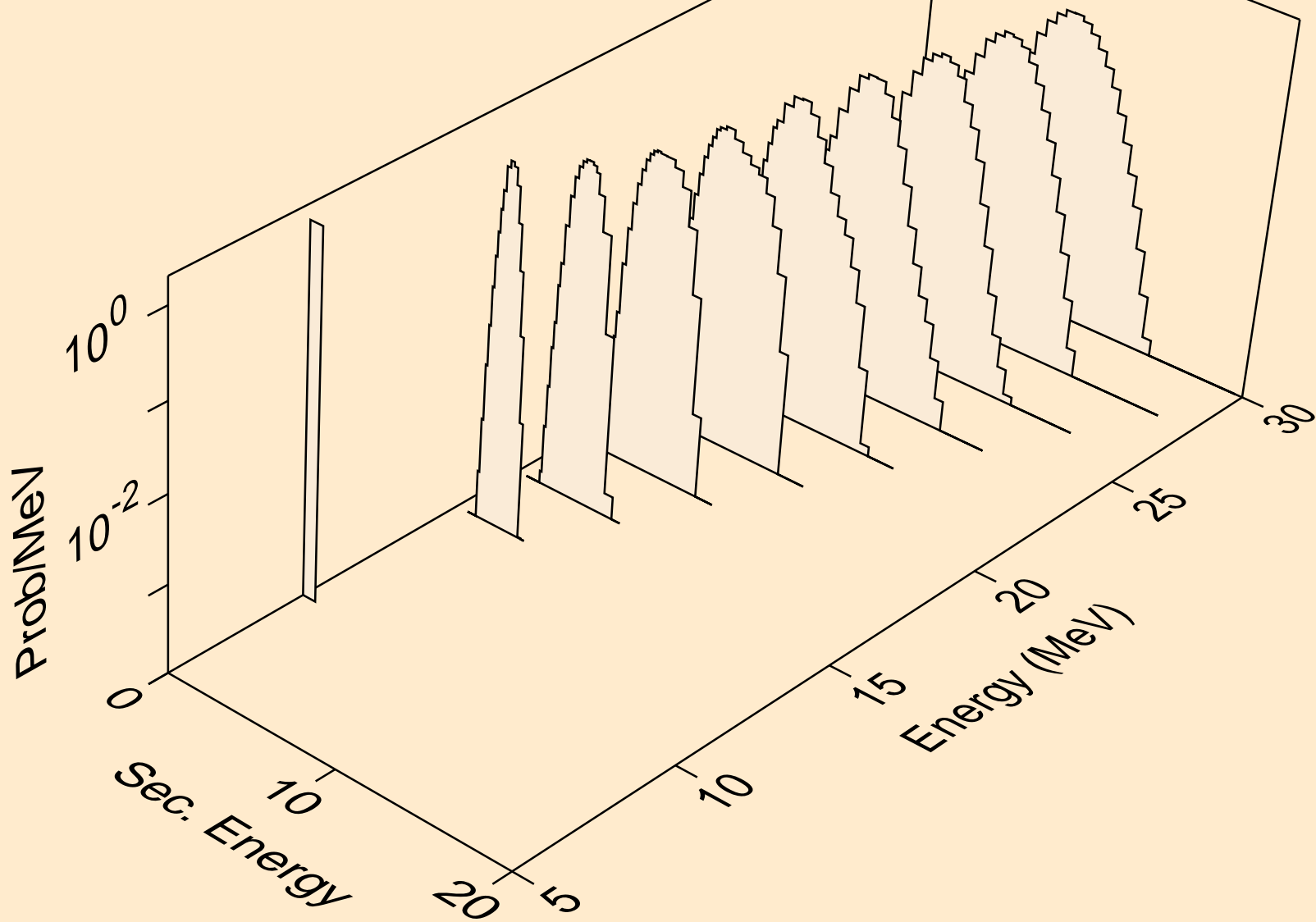
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protons from (n,npa)



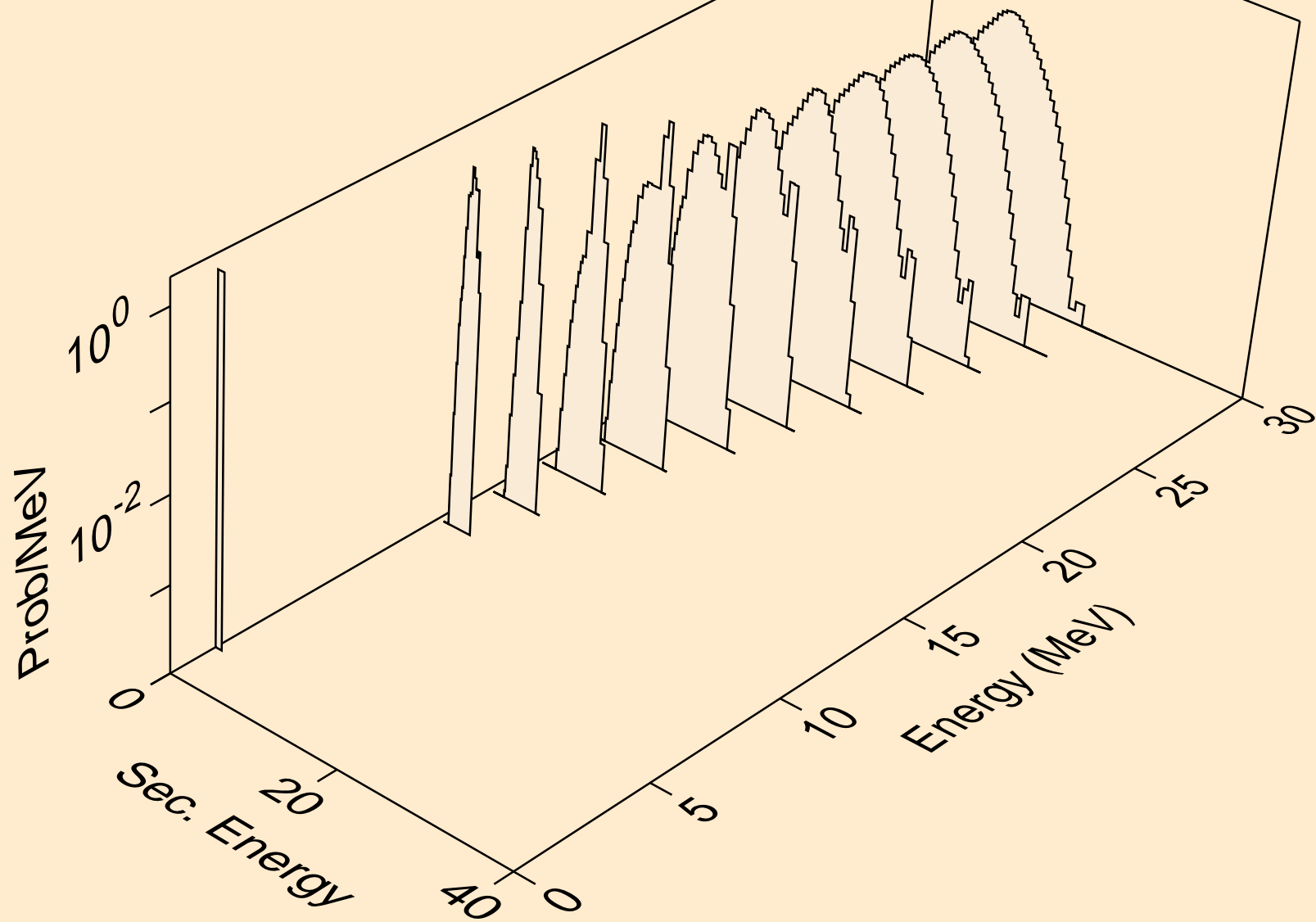
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protons from (n,p)



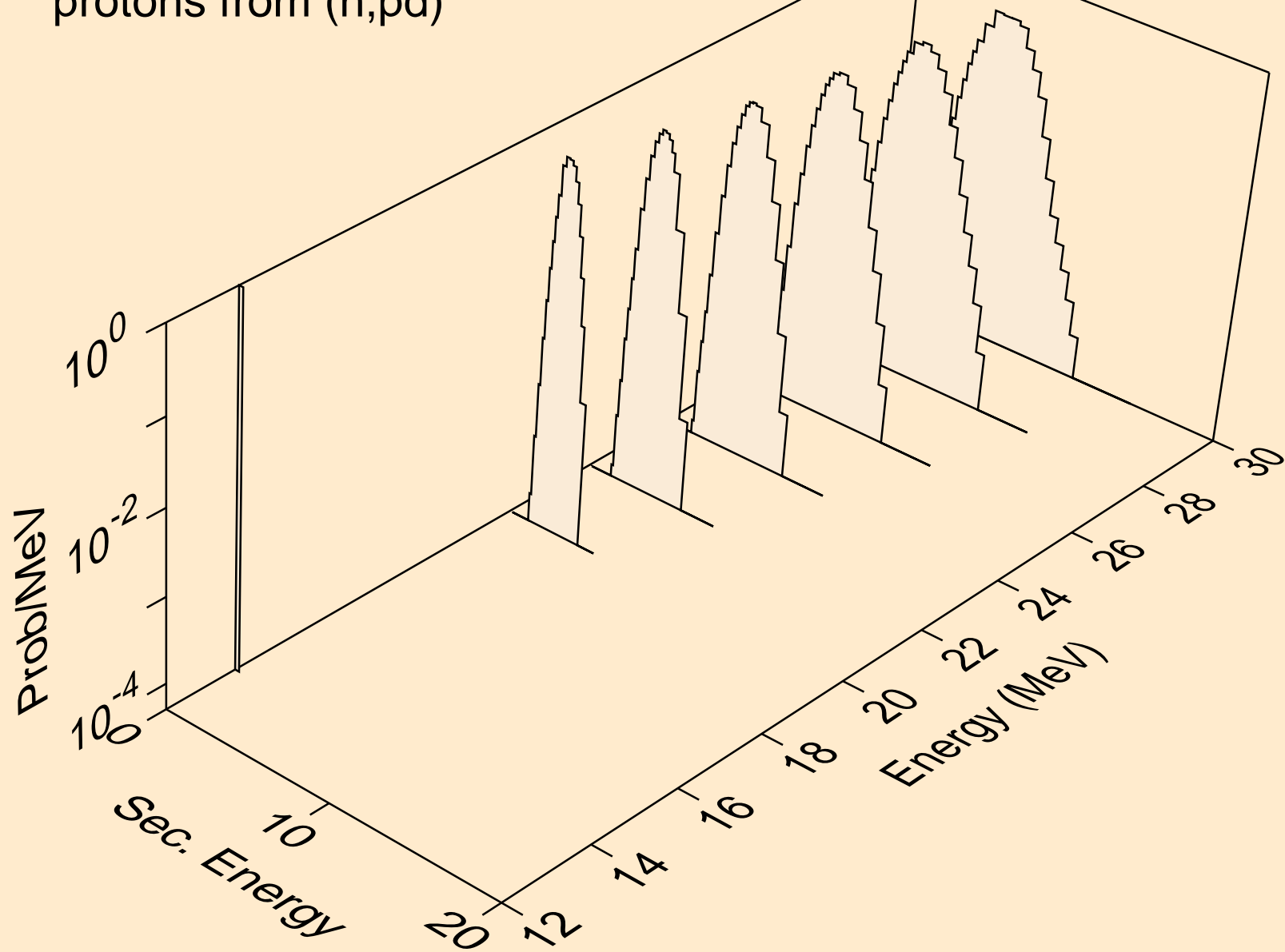
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protons from (n,2p)



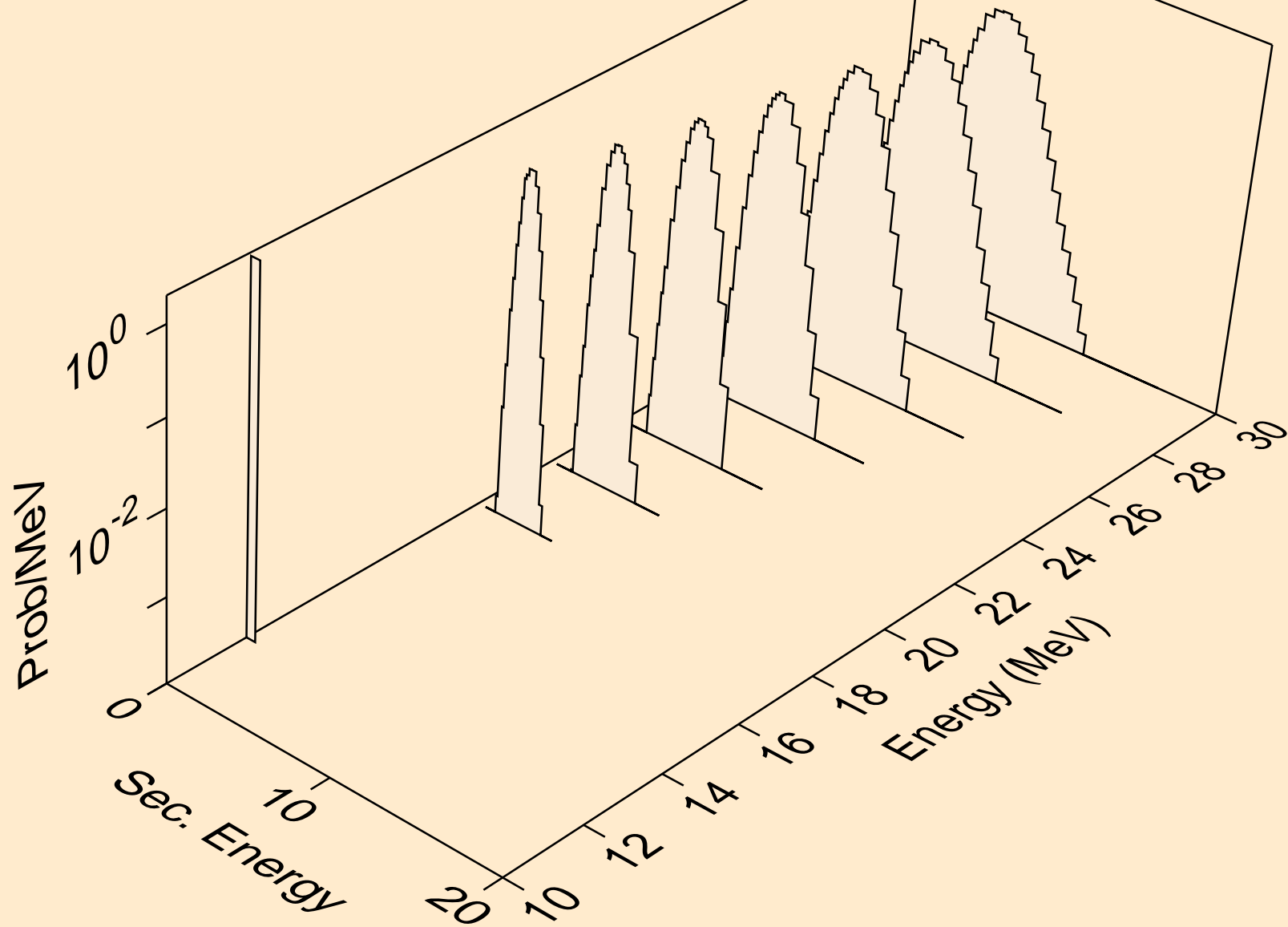
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protons from (n,p)



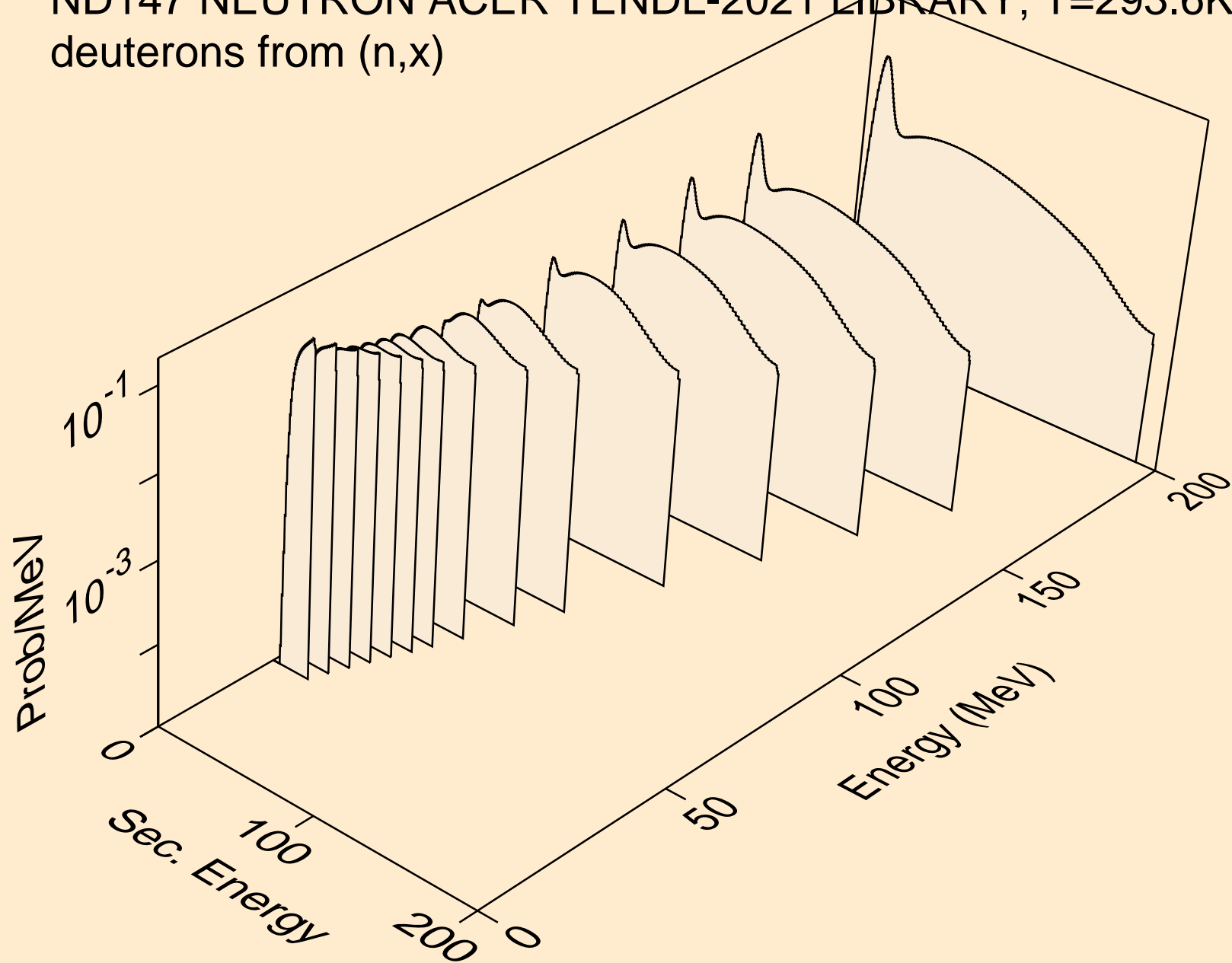
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protons from (n,pd)



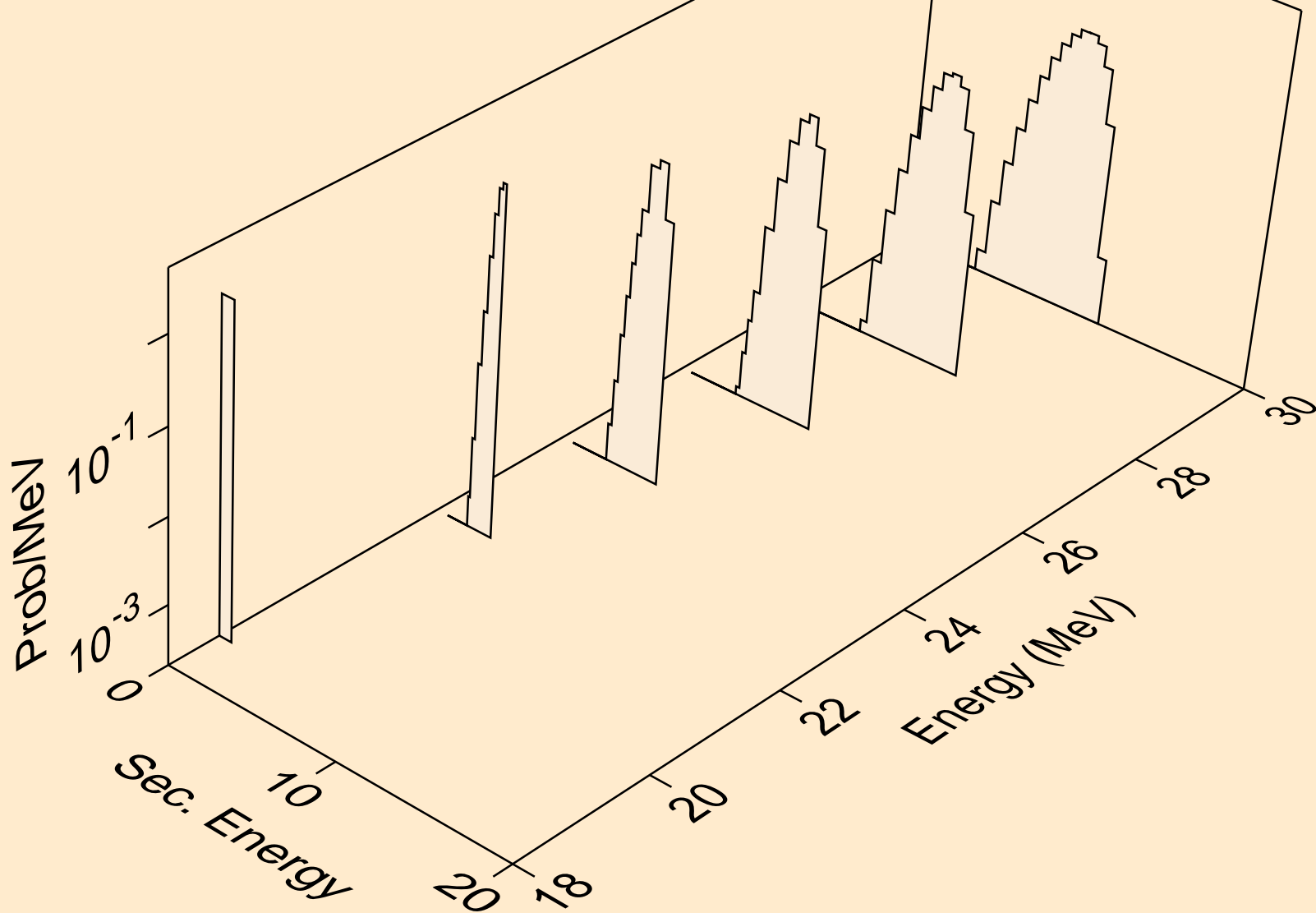
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pt)



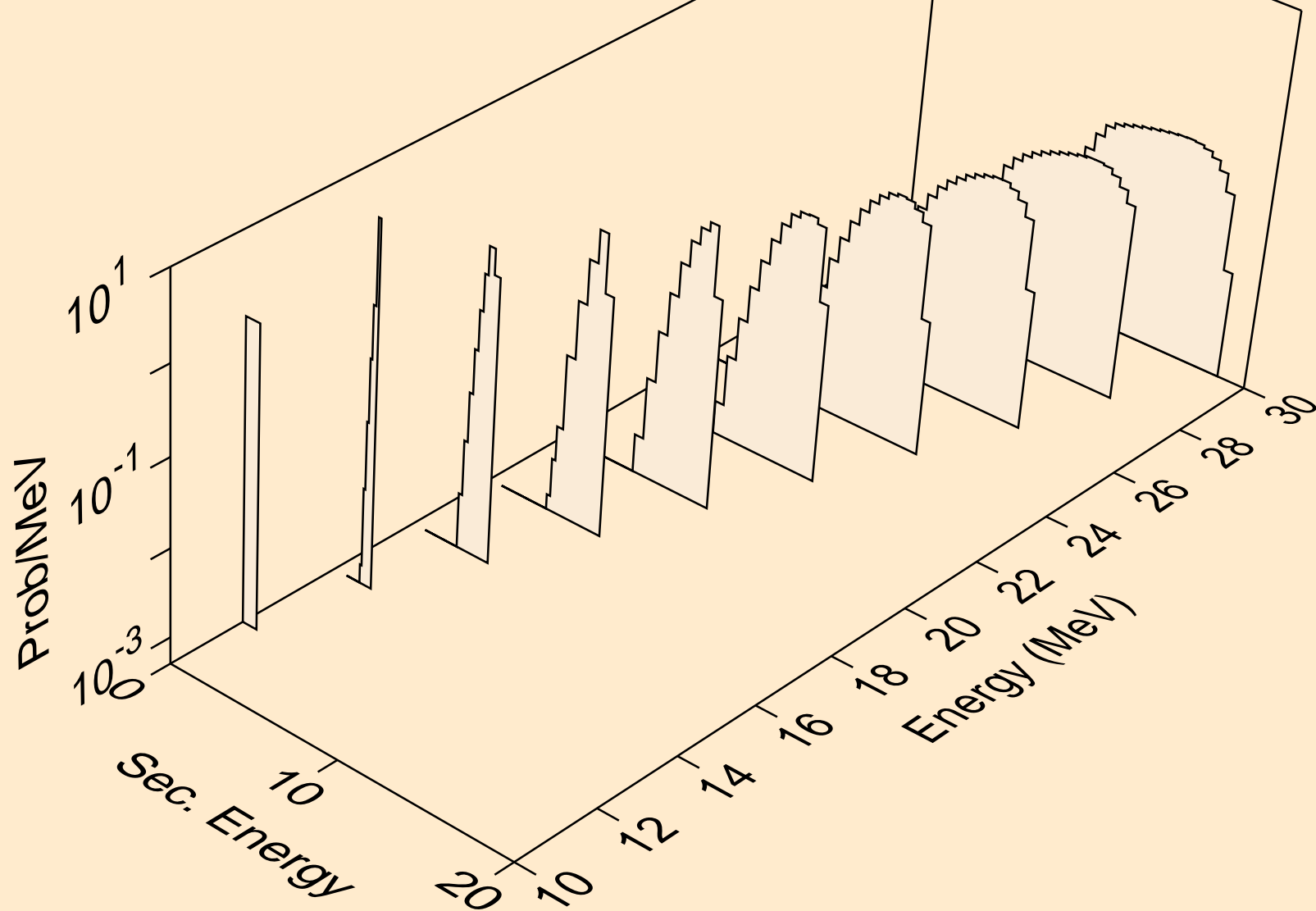
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deuterons from (n,x)



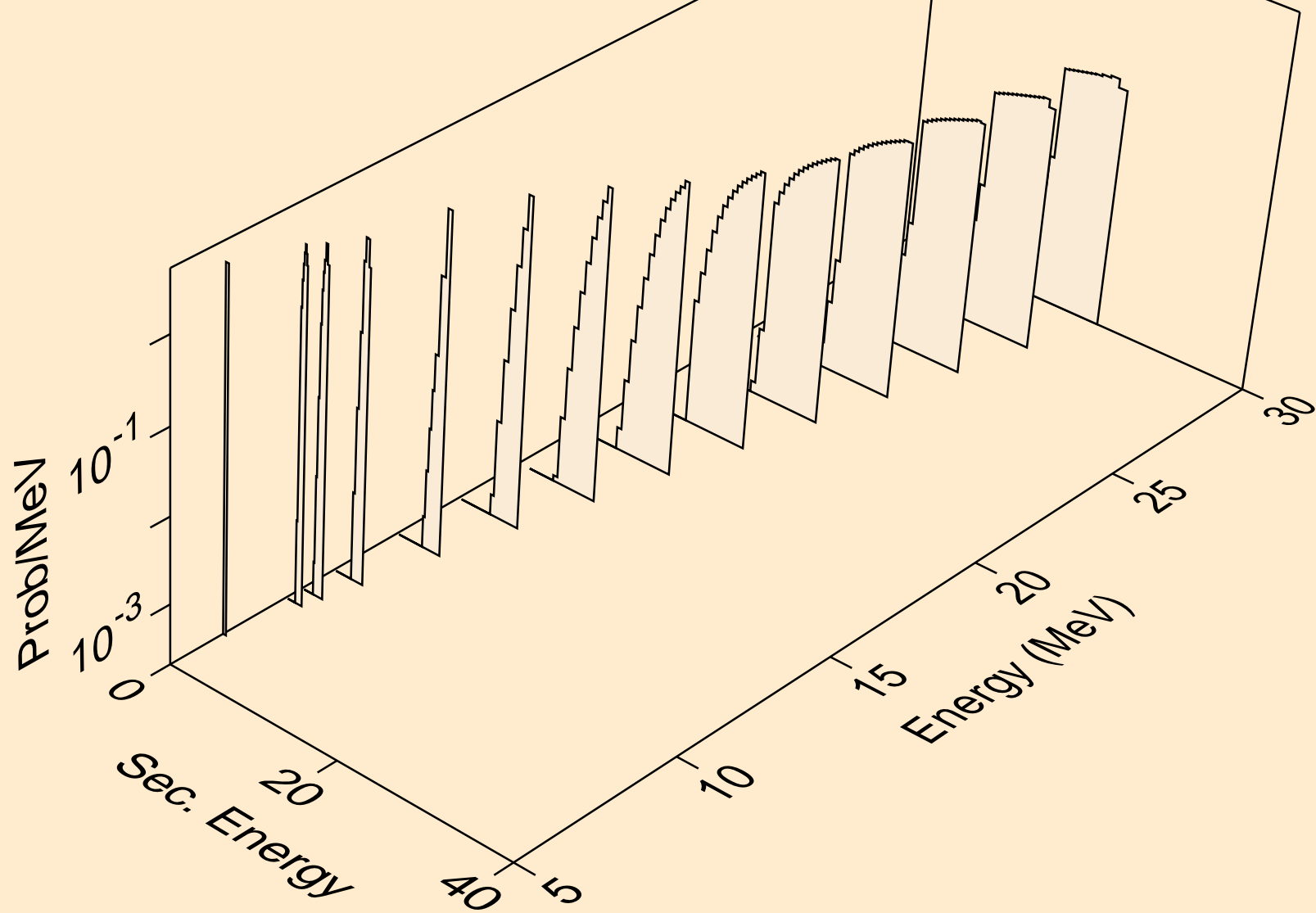
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deuterons from (n,2nd)



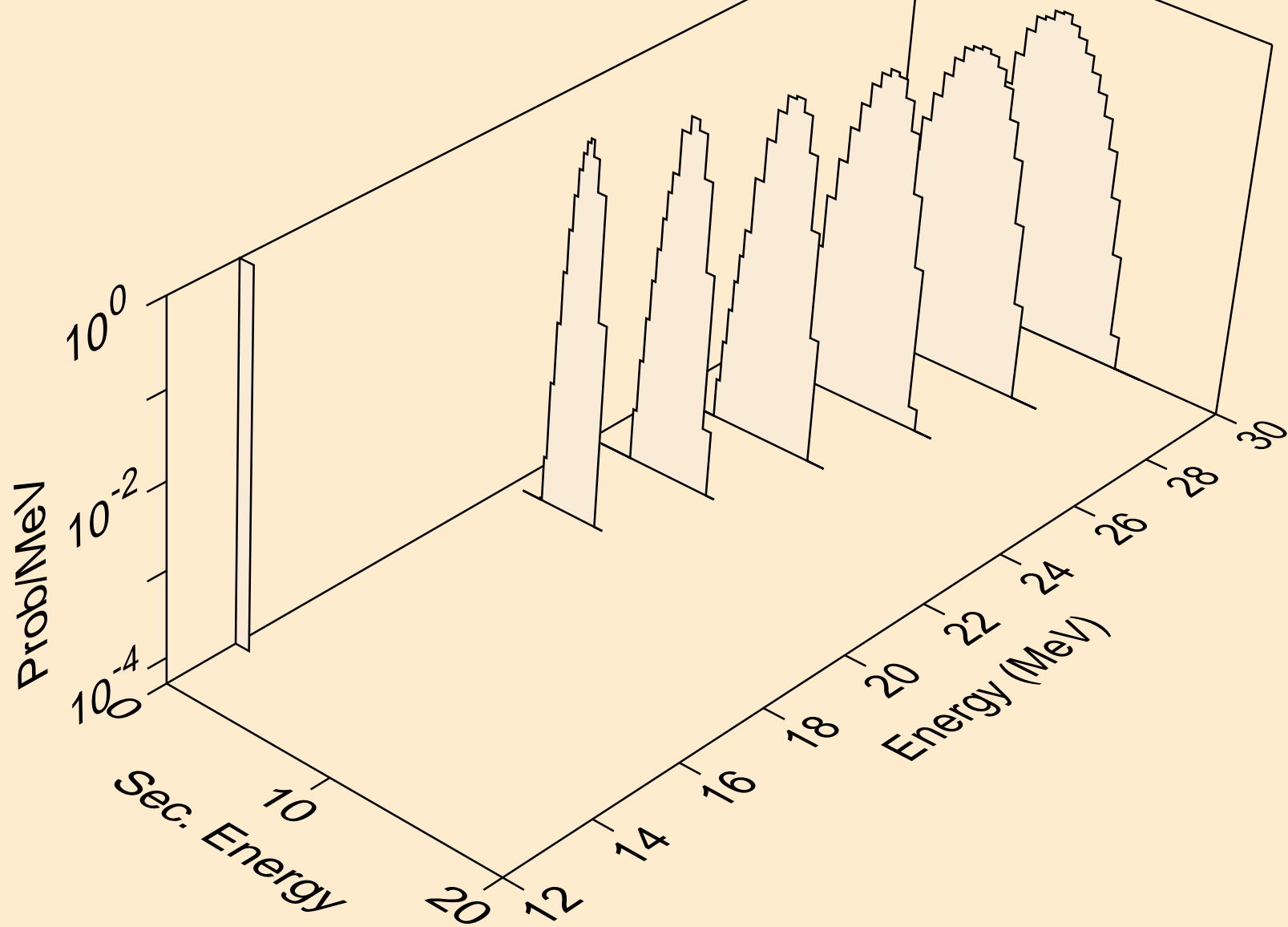
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deuterons from (n,n*)d



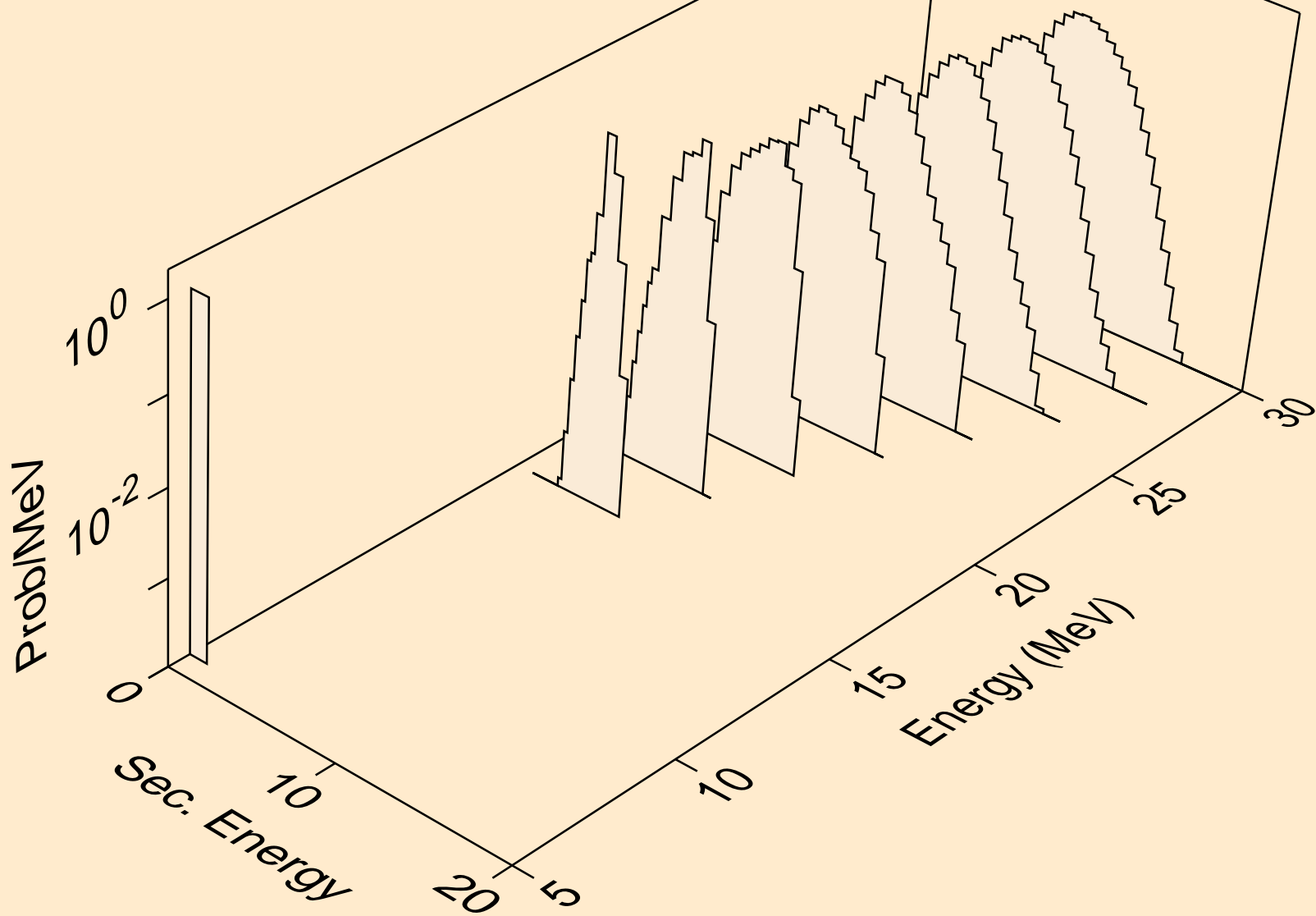
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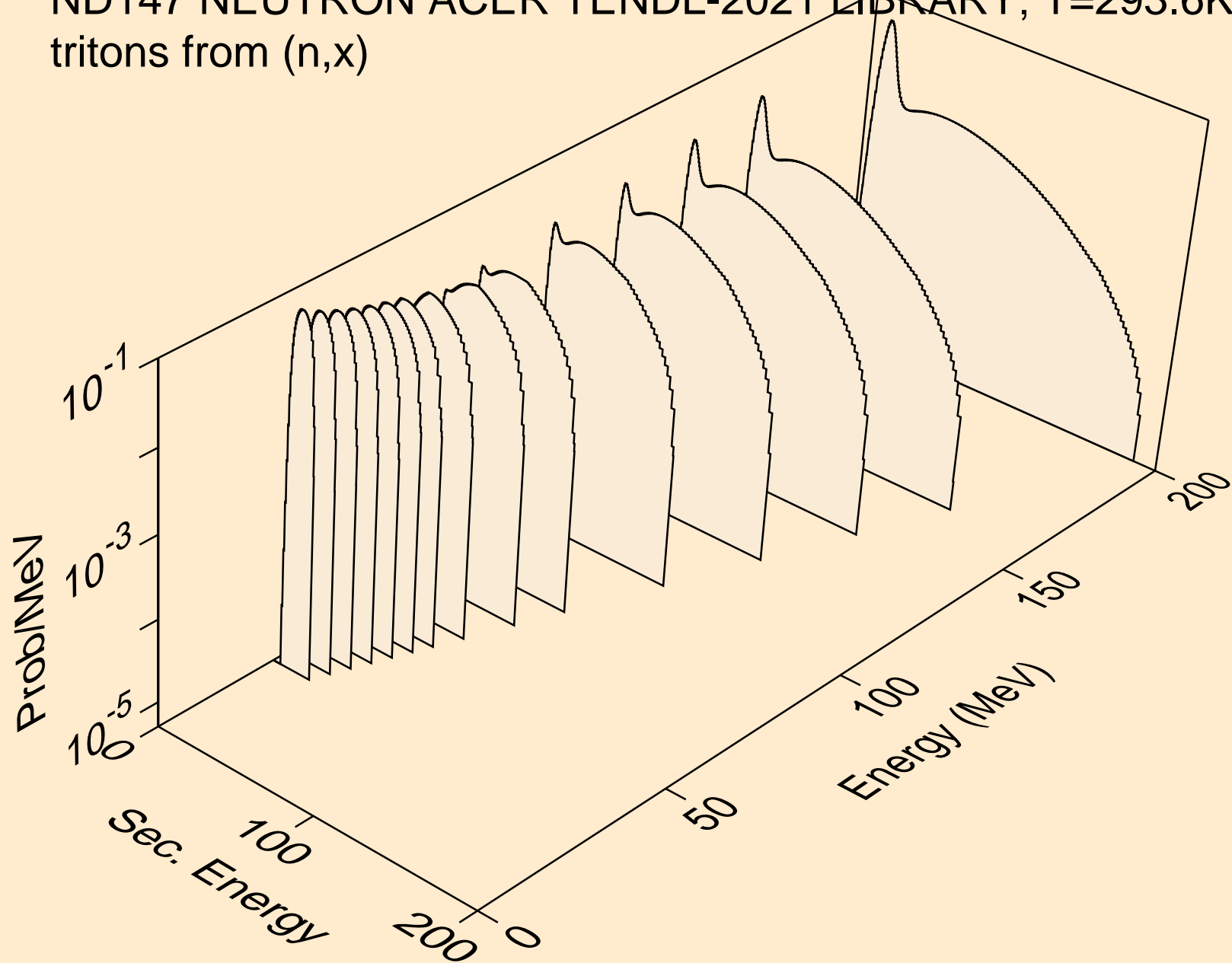
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deuterons from (n,pd)



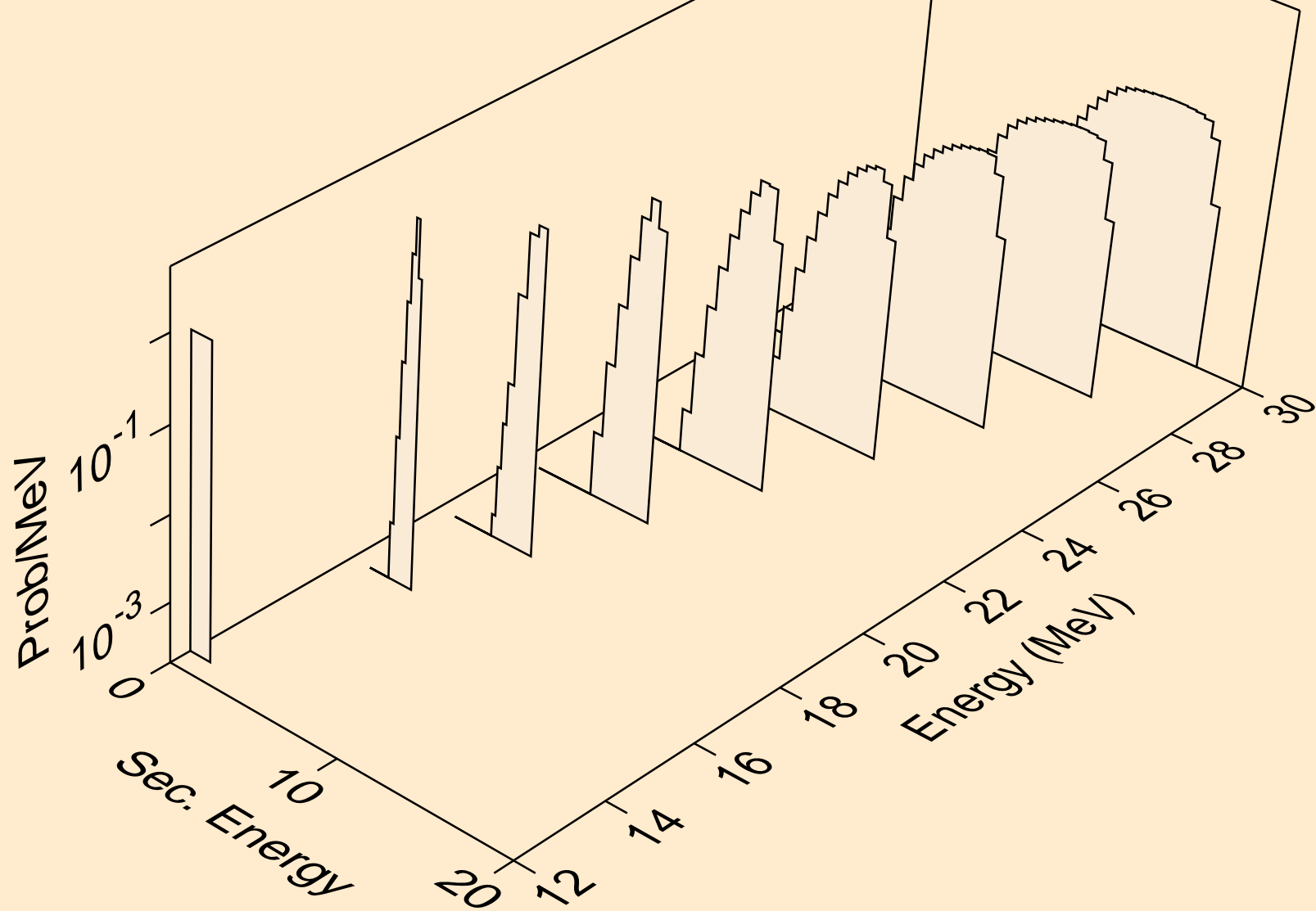
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deuterons from (n,da)



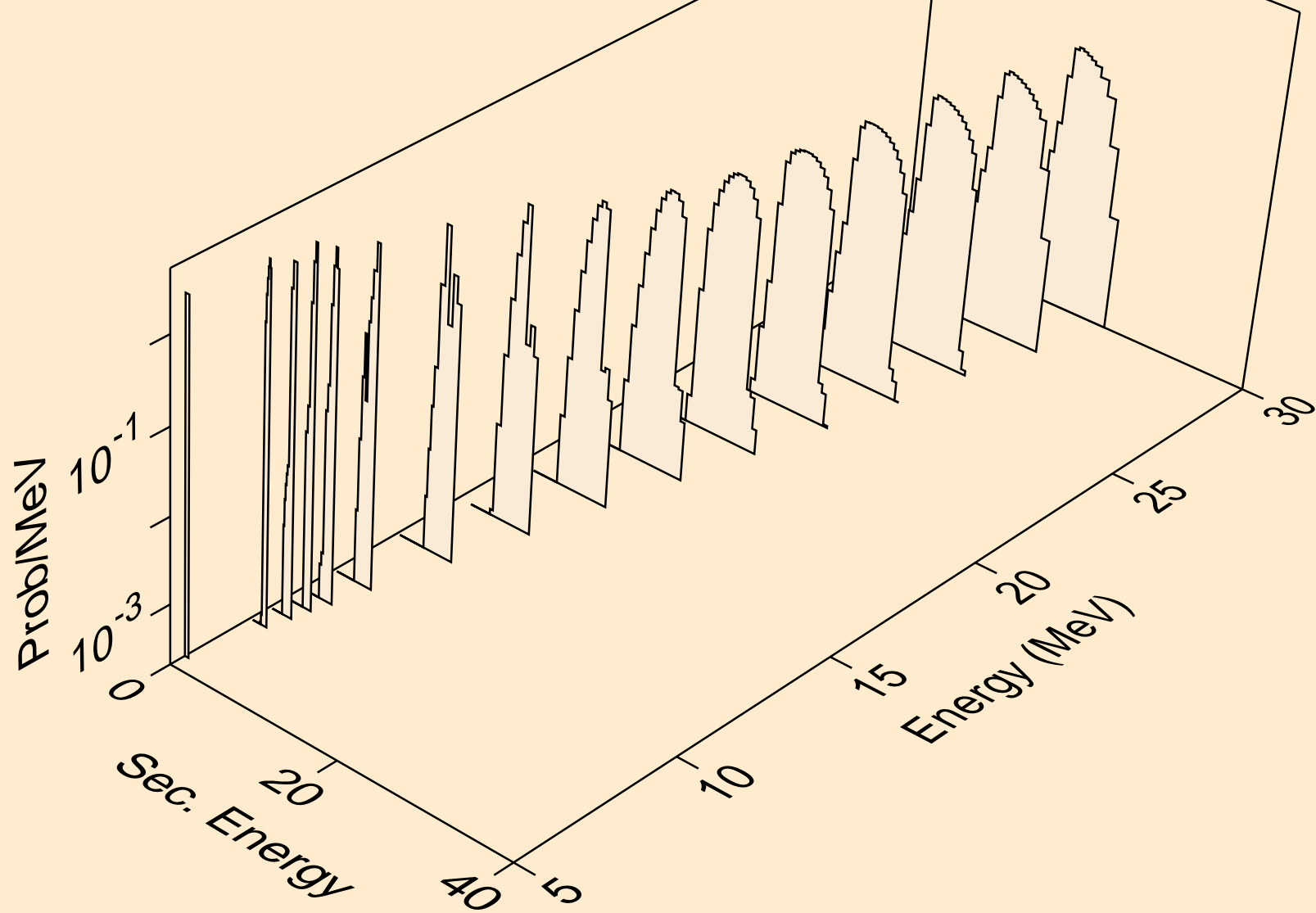
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tritons from (n,x)



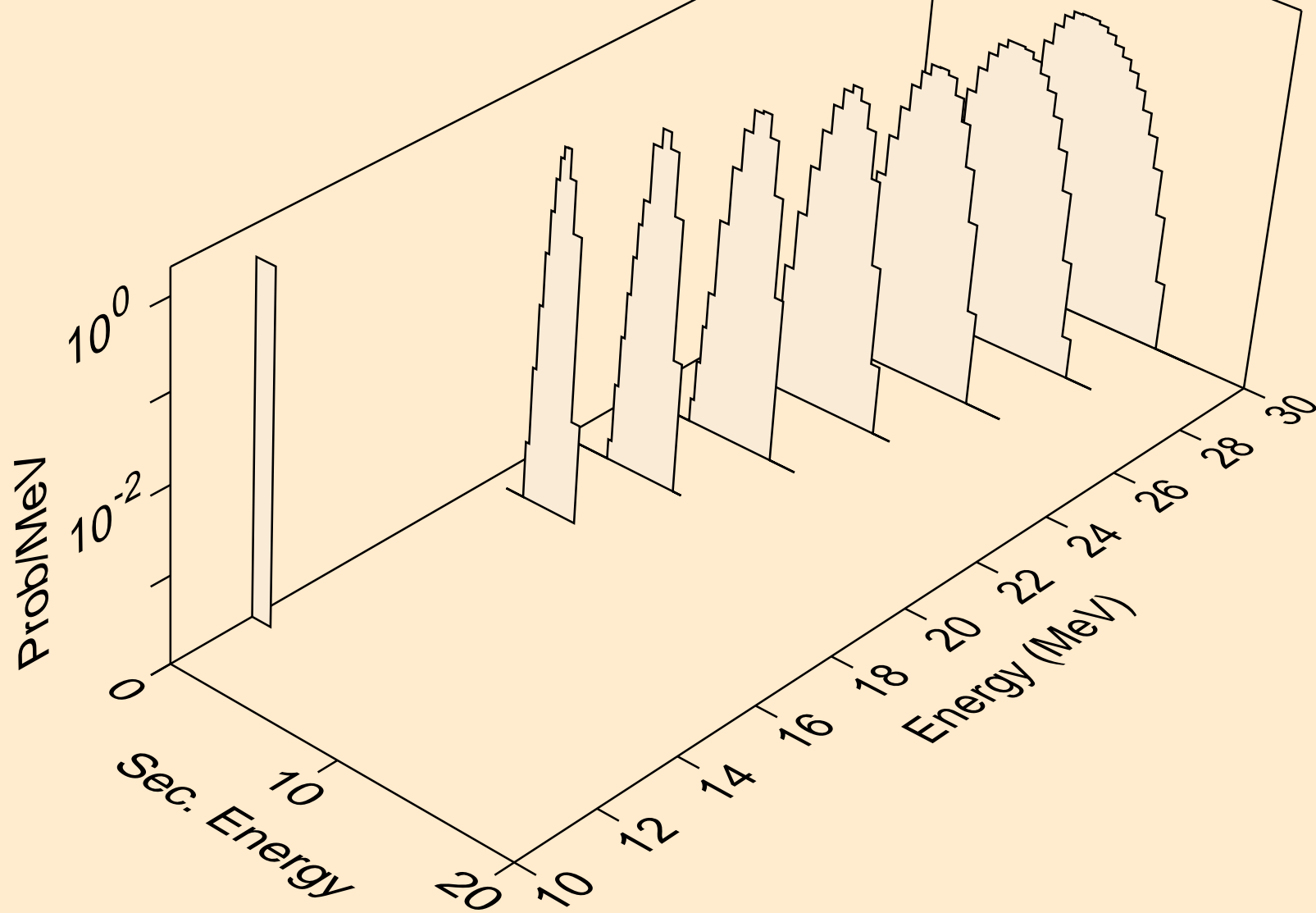
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tritons from (n,n*)t



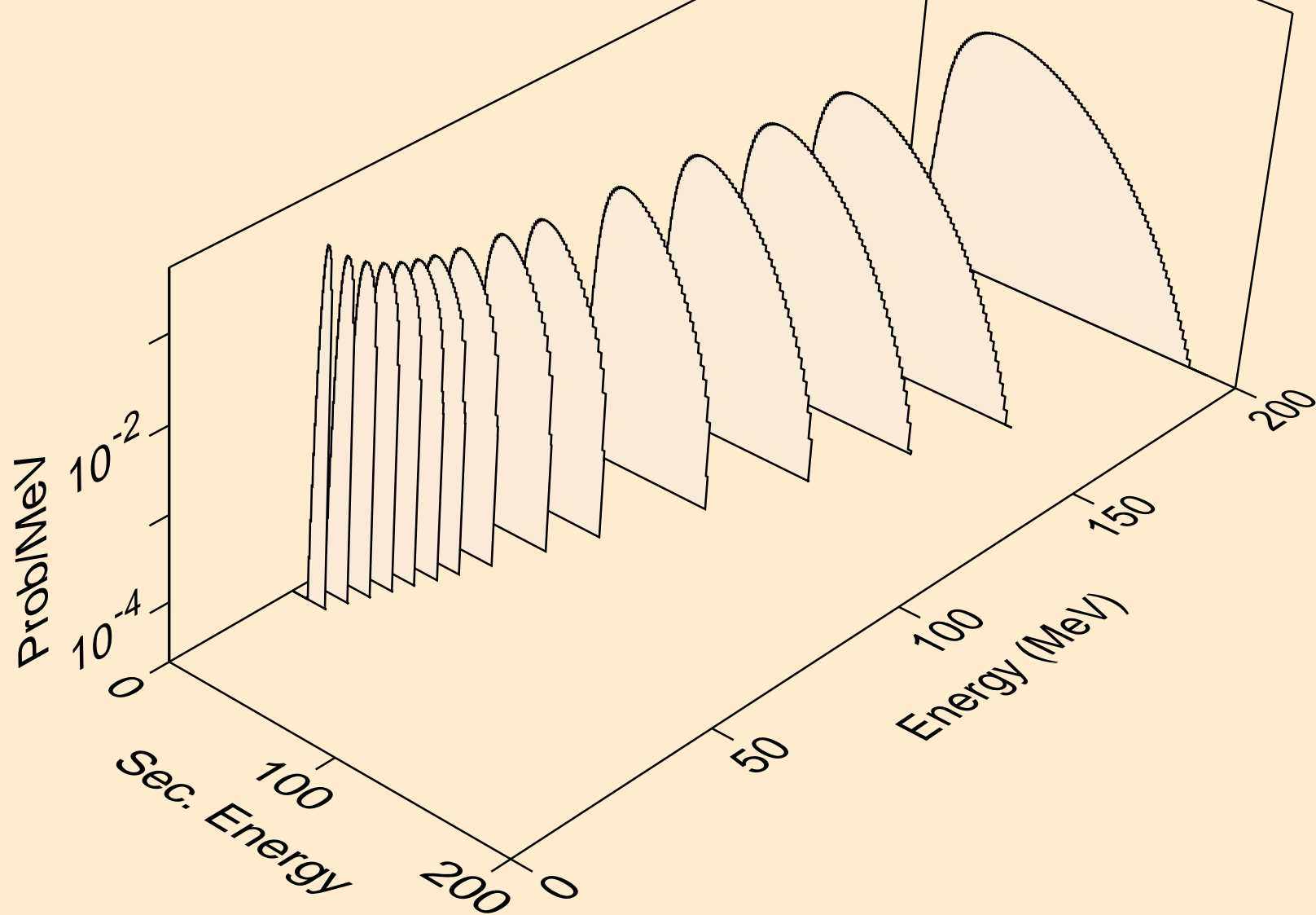
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tritons from (n,t)



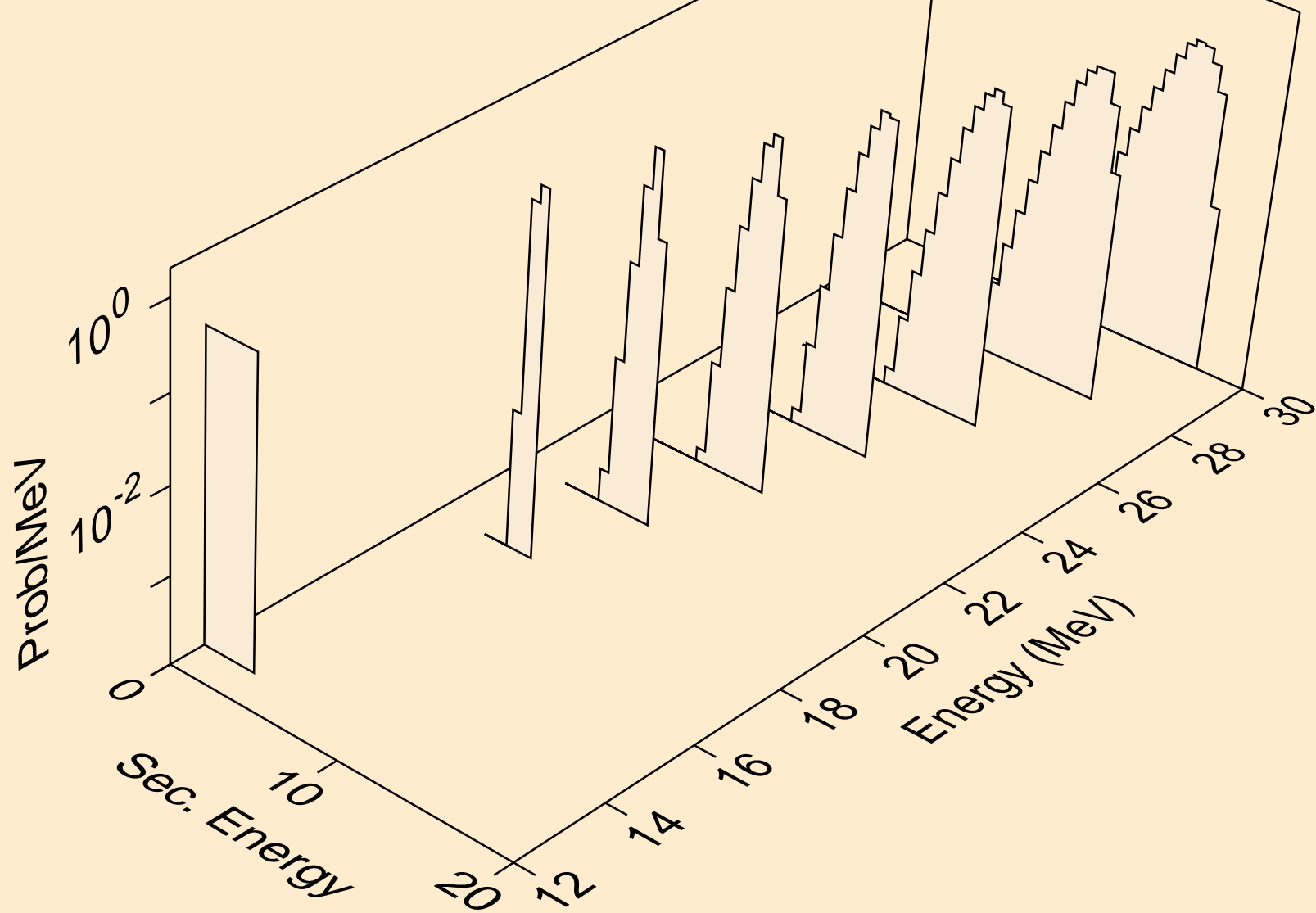
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tritons from (n,pt)



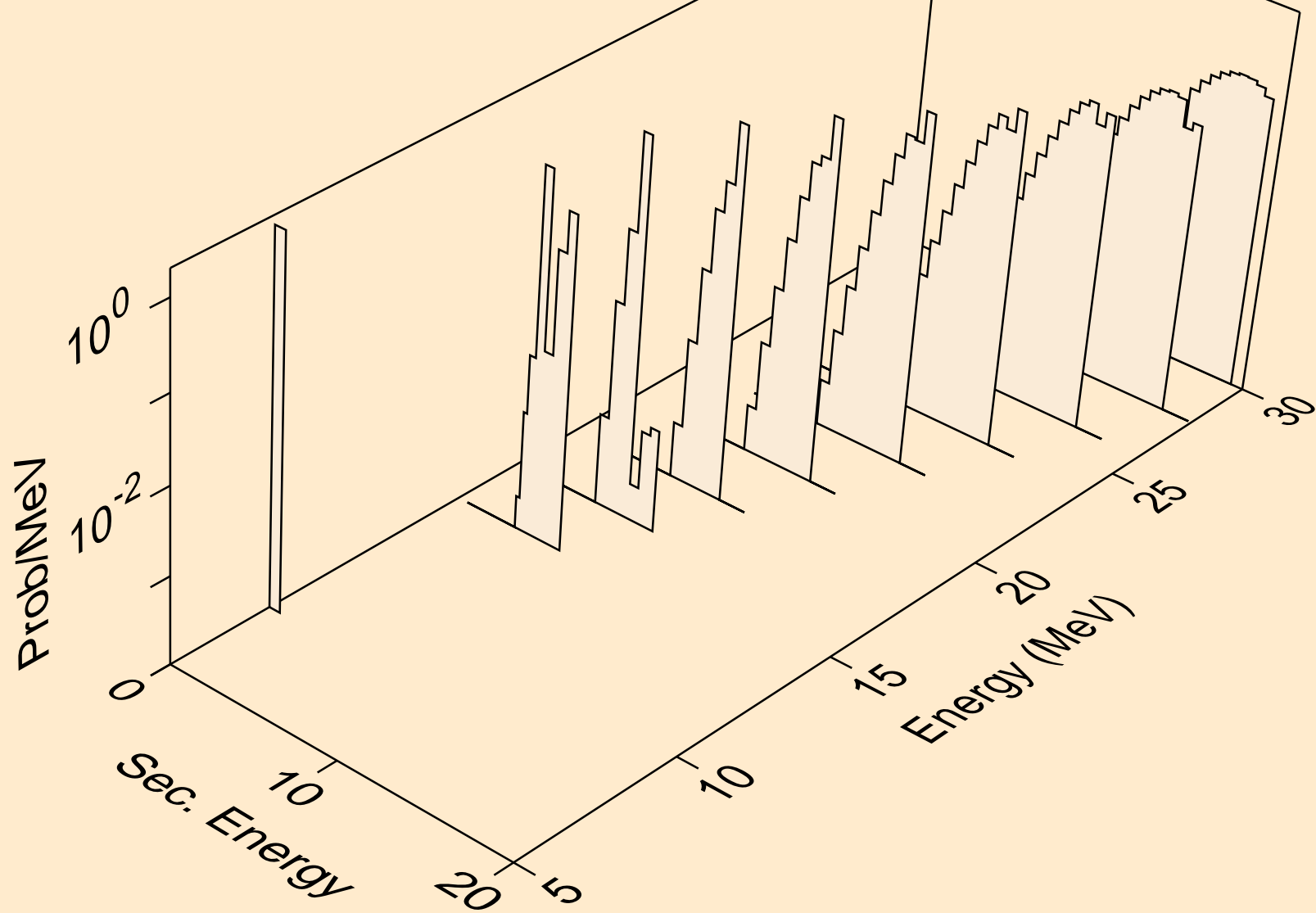
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,x)



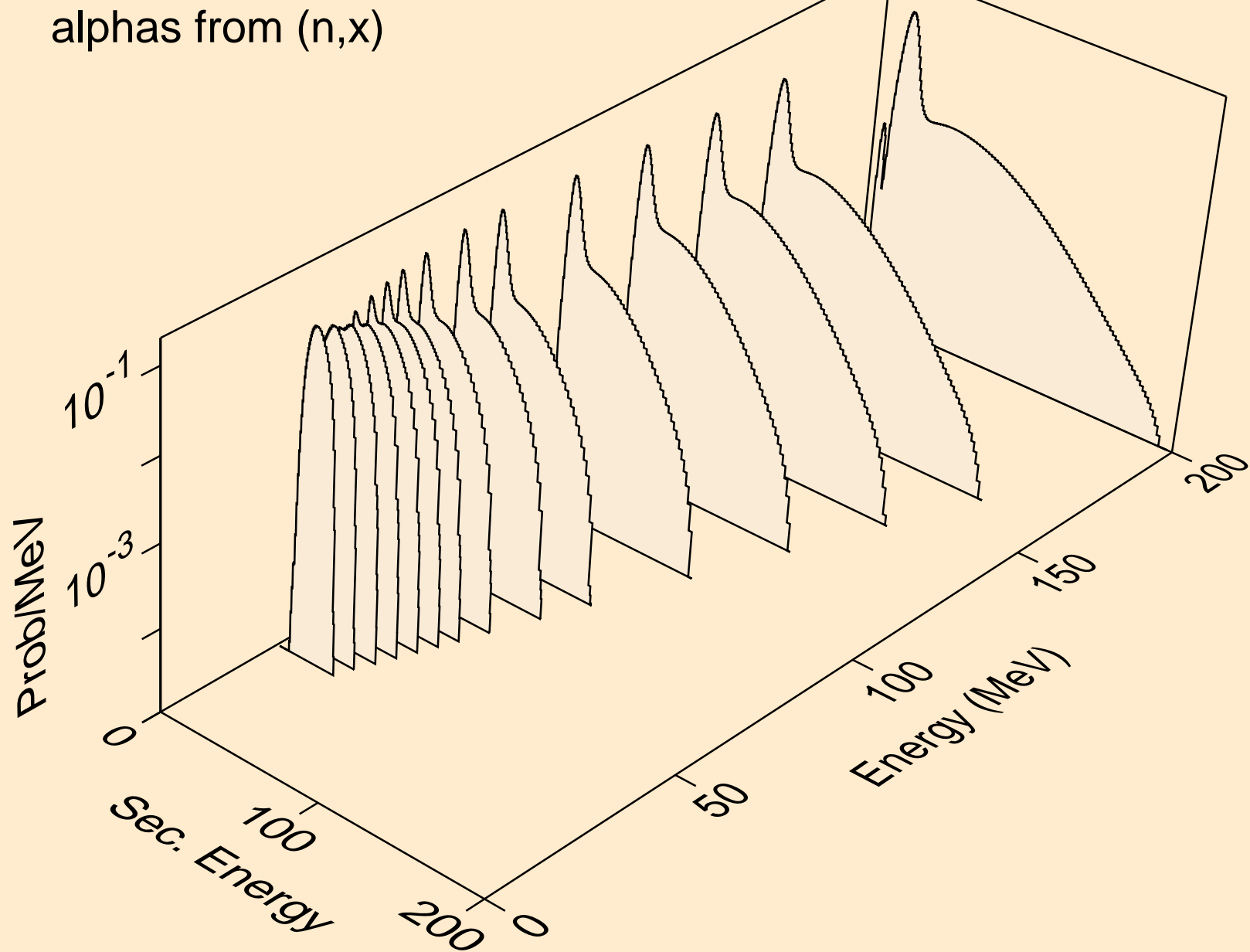
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,n*)he3



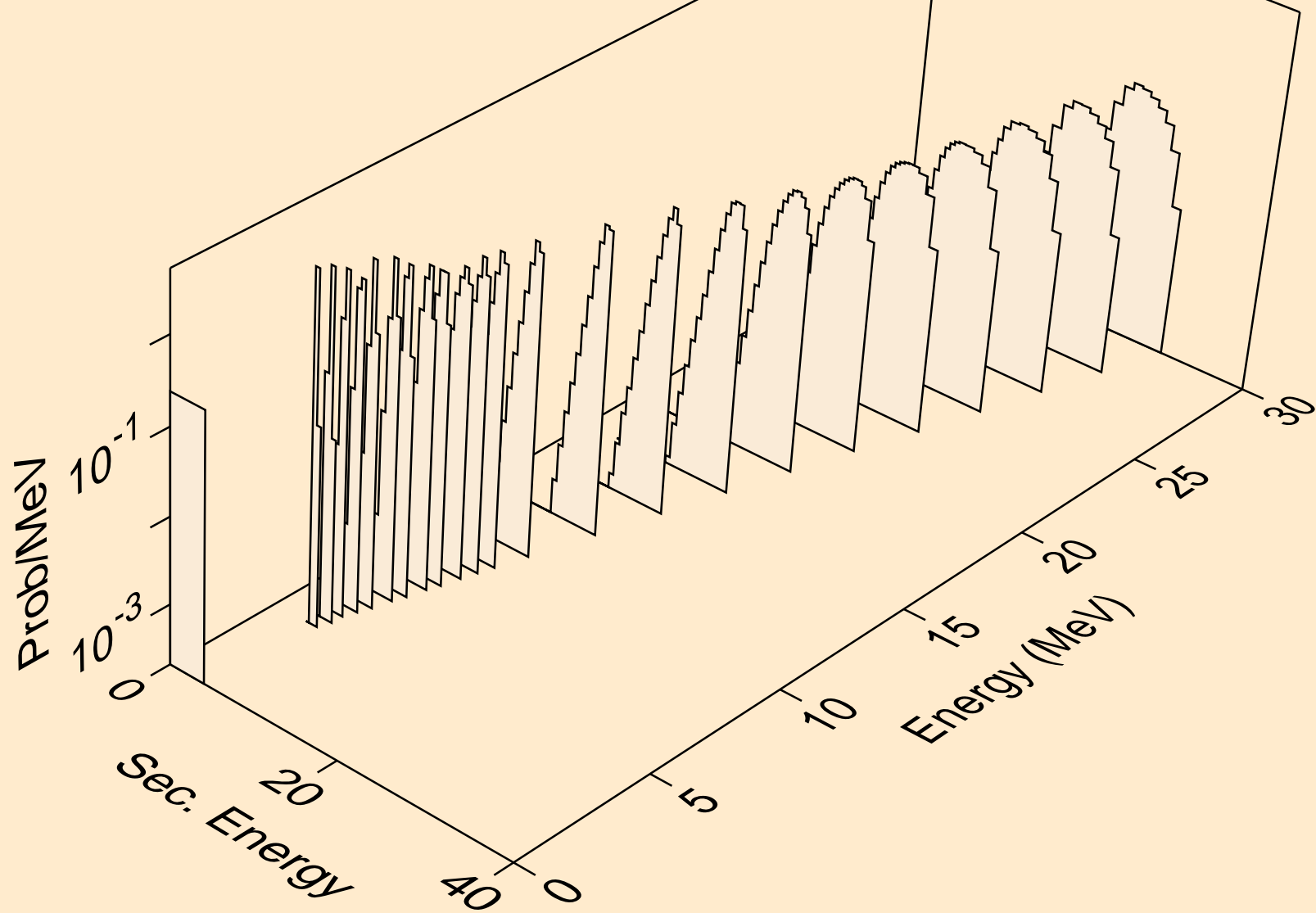
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,he3)



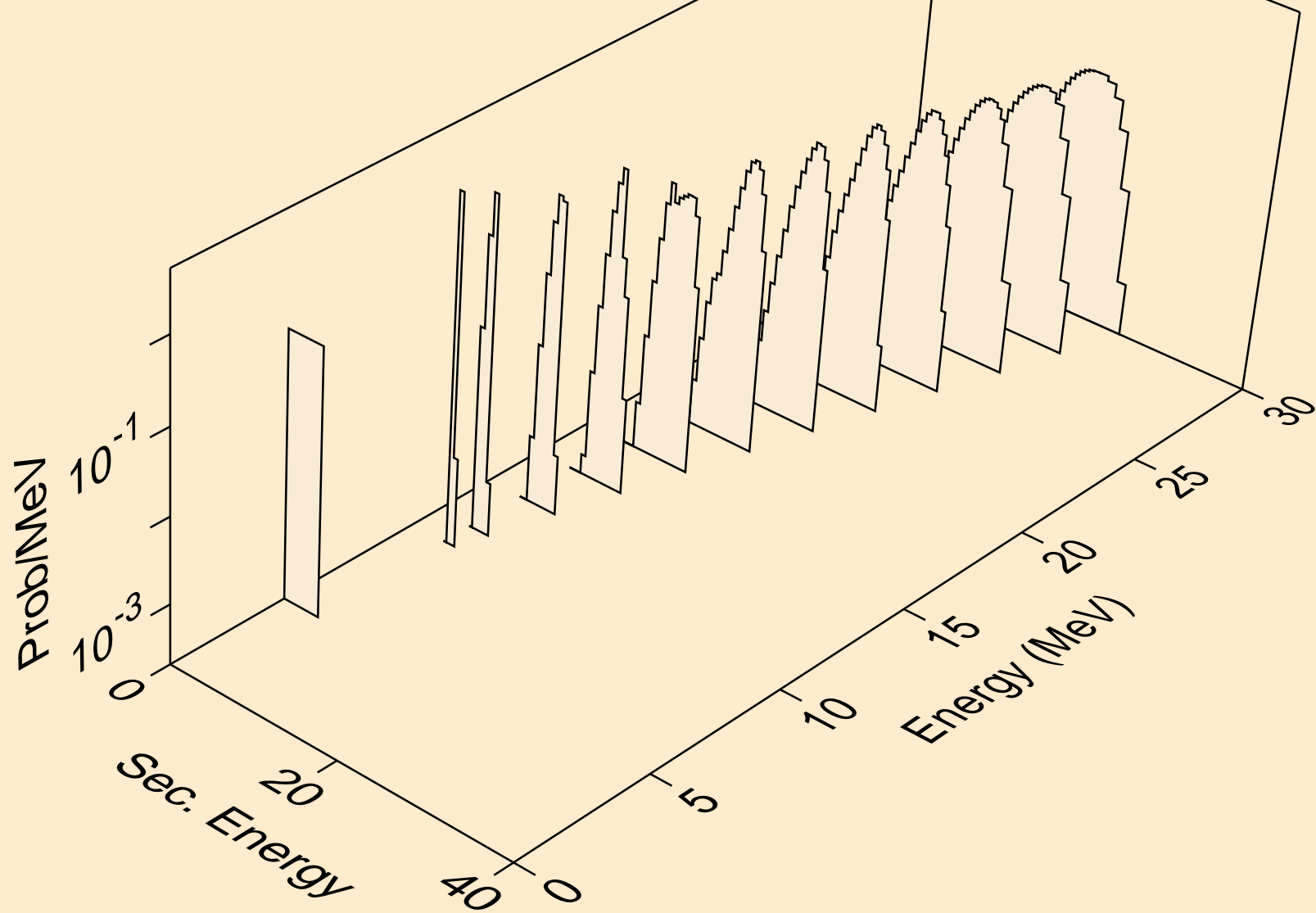
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,x)



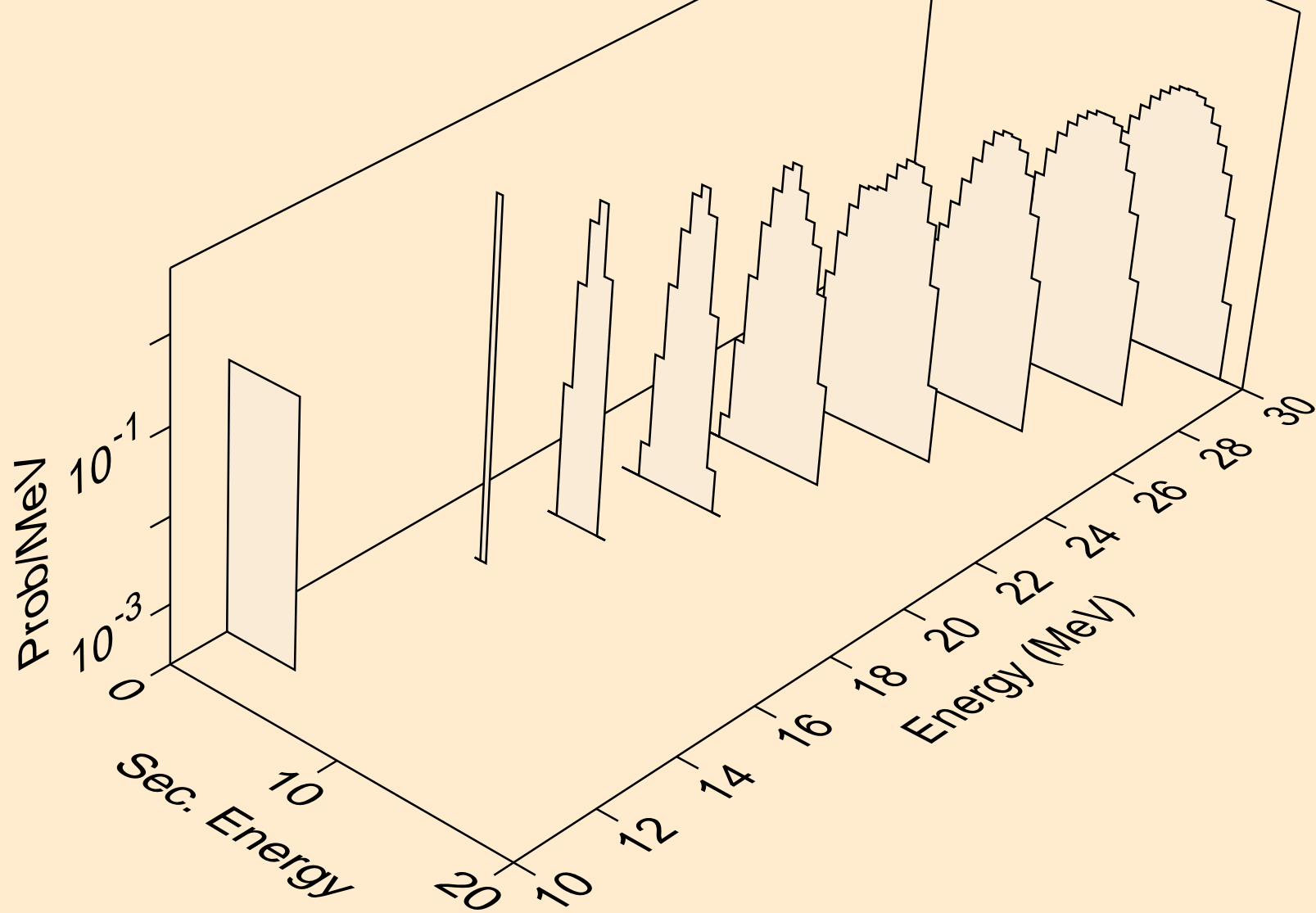
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)a



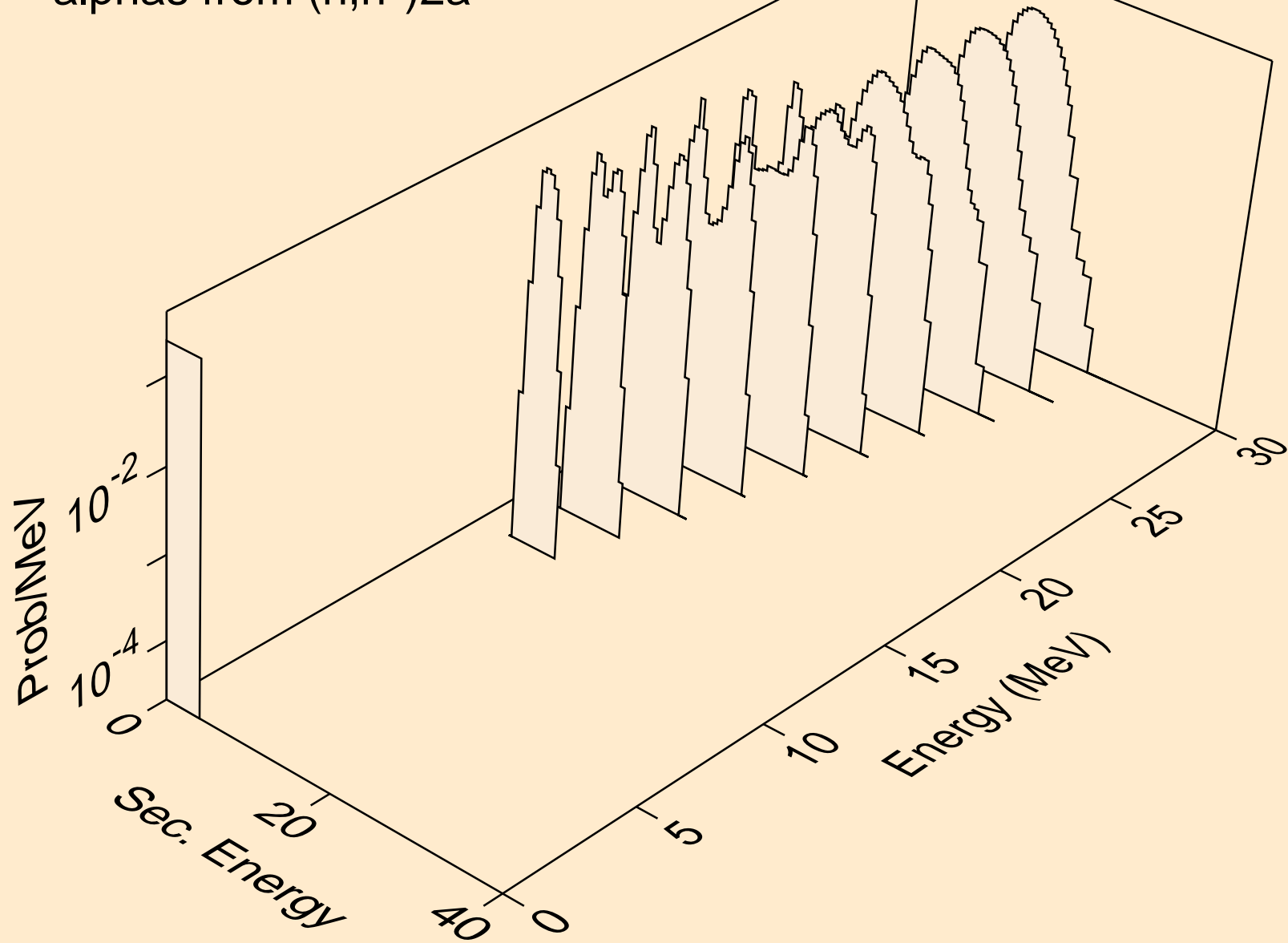
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2n)a



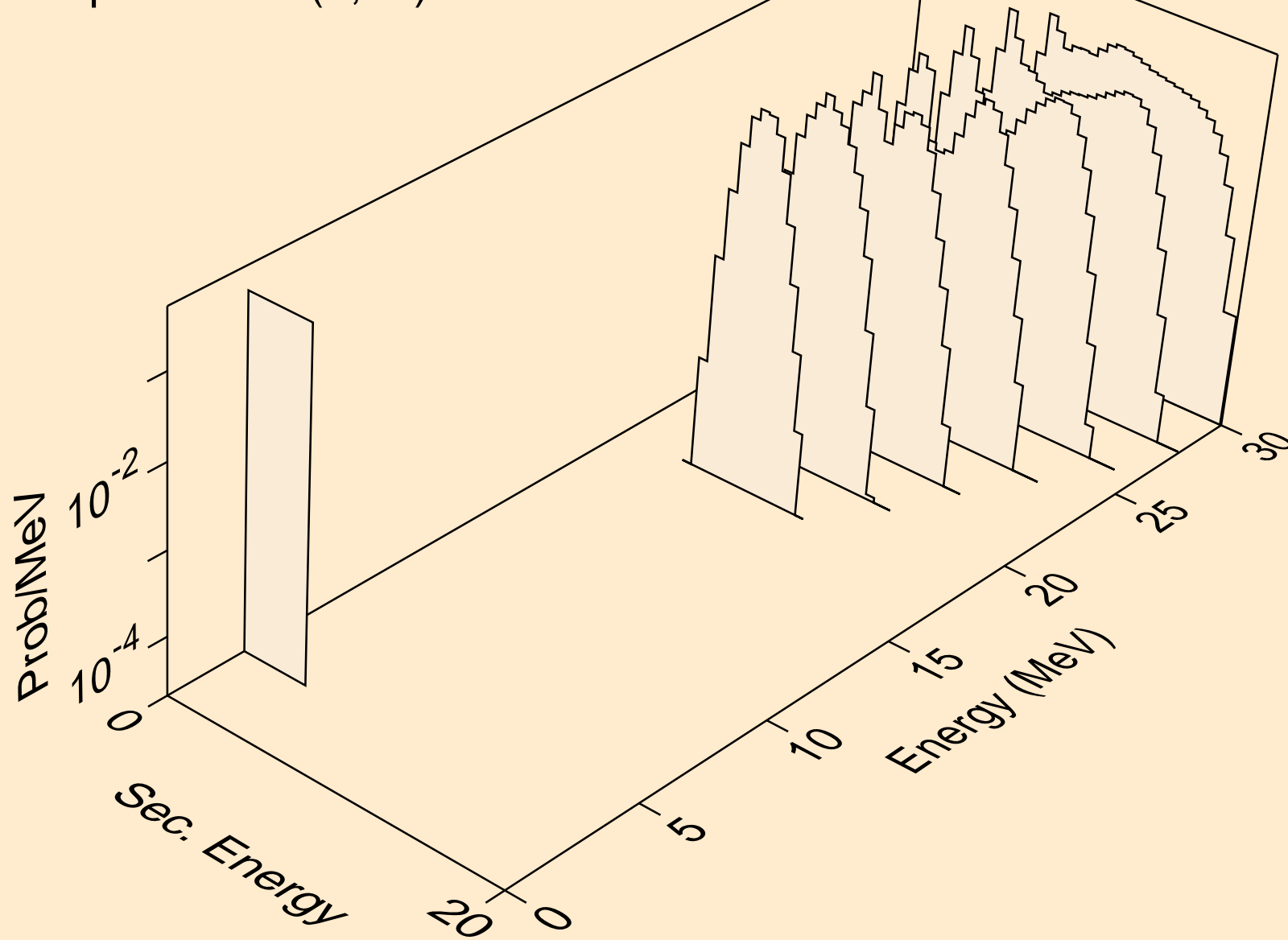
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,3n)a



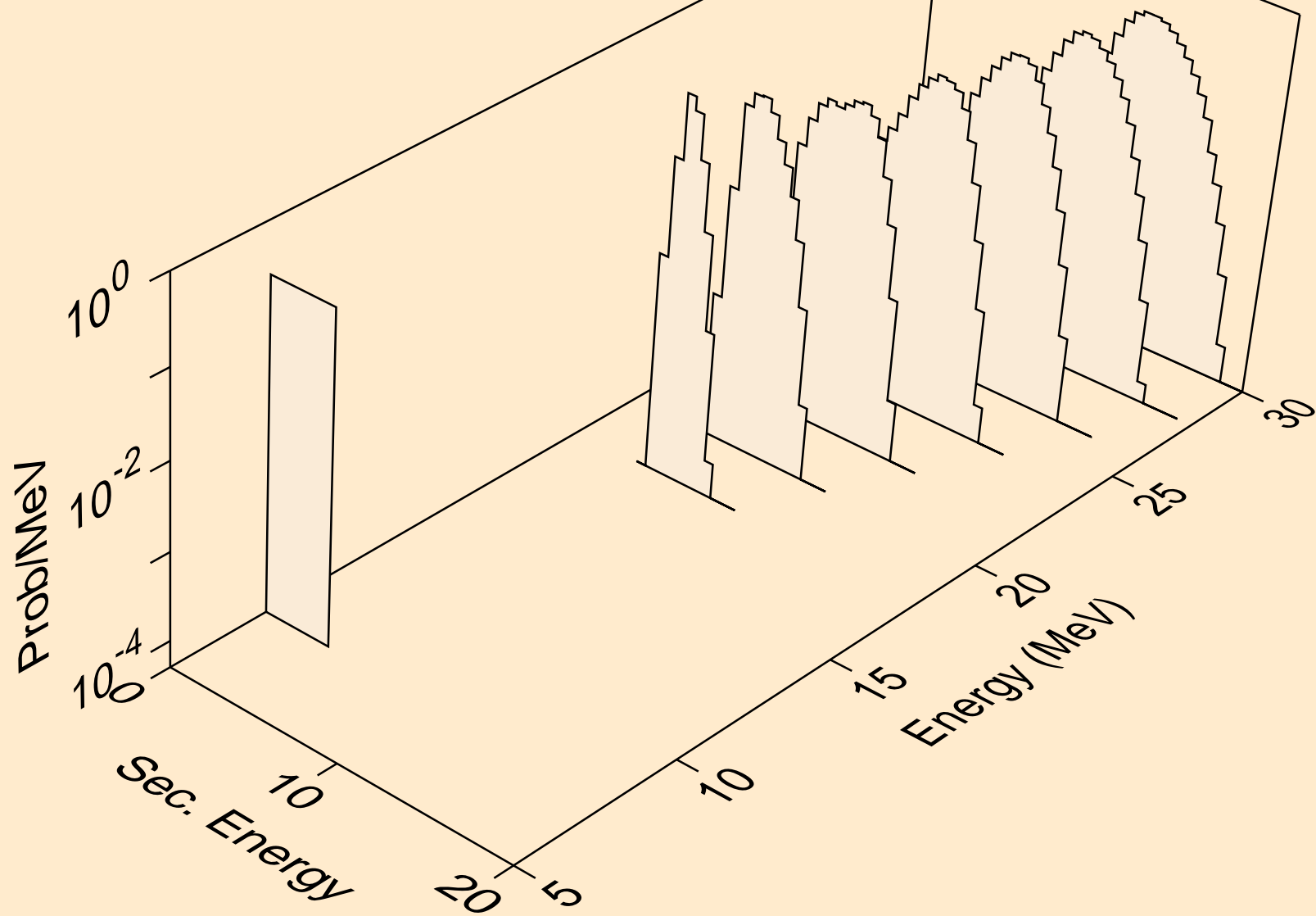
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)2a



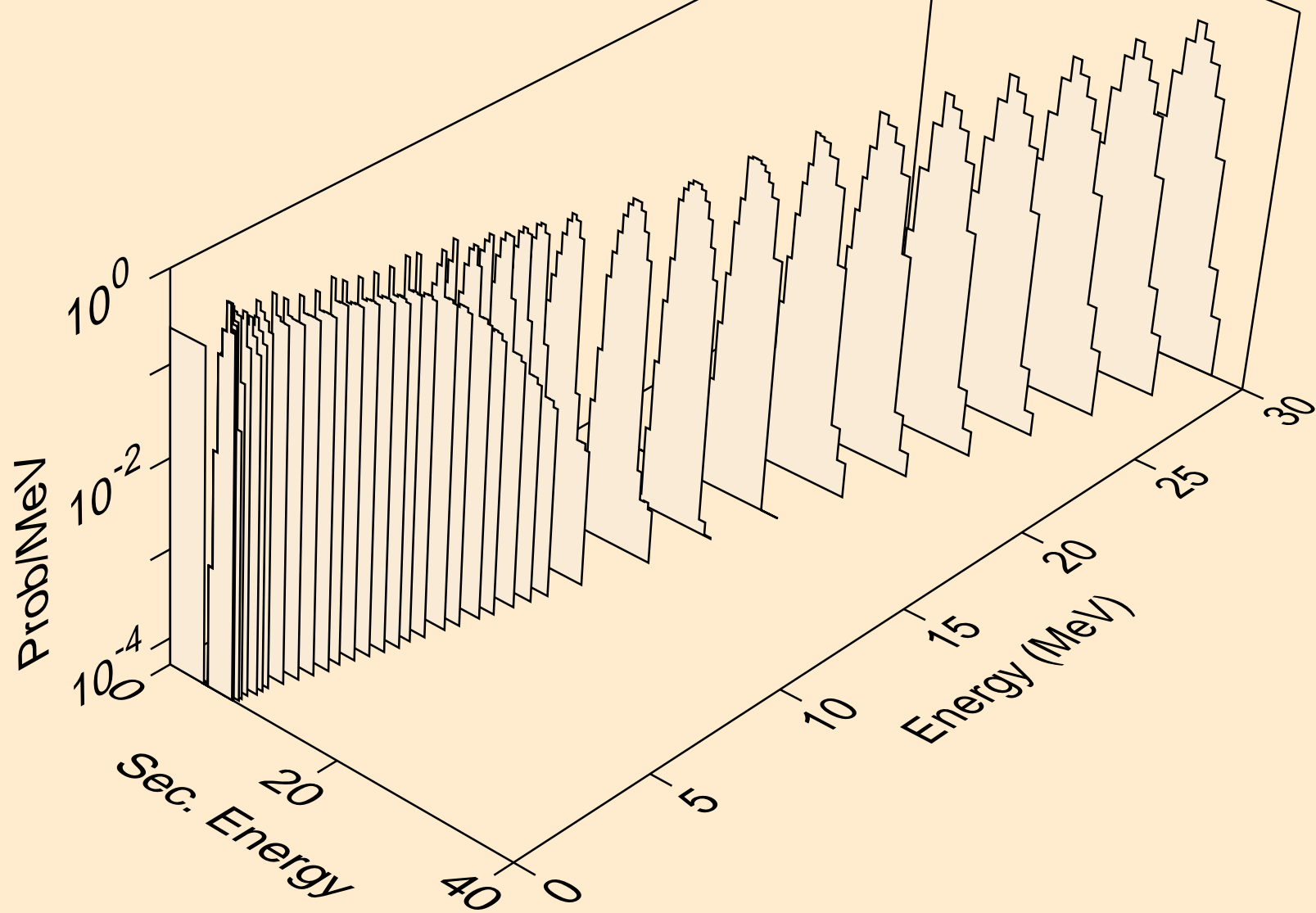
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2n)2a



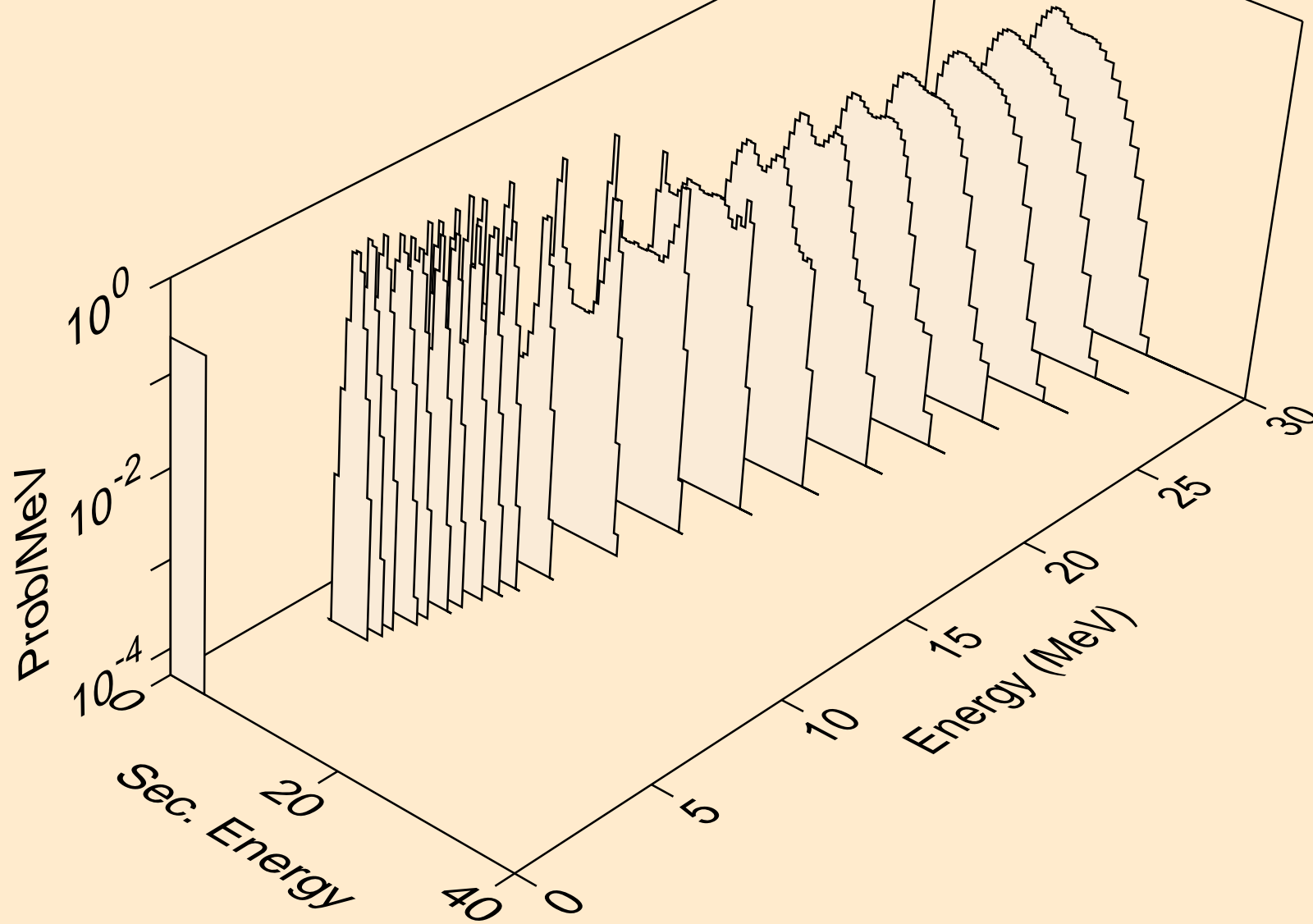
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,npa)



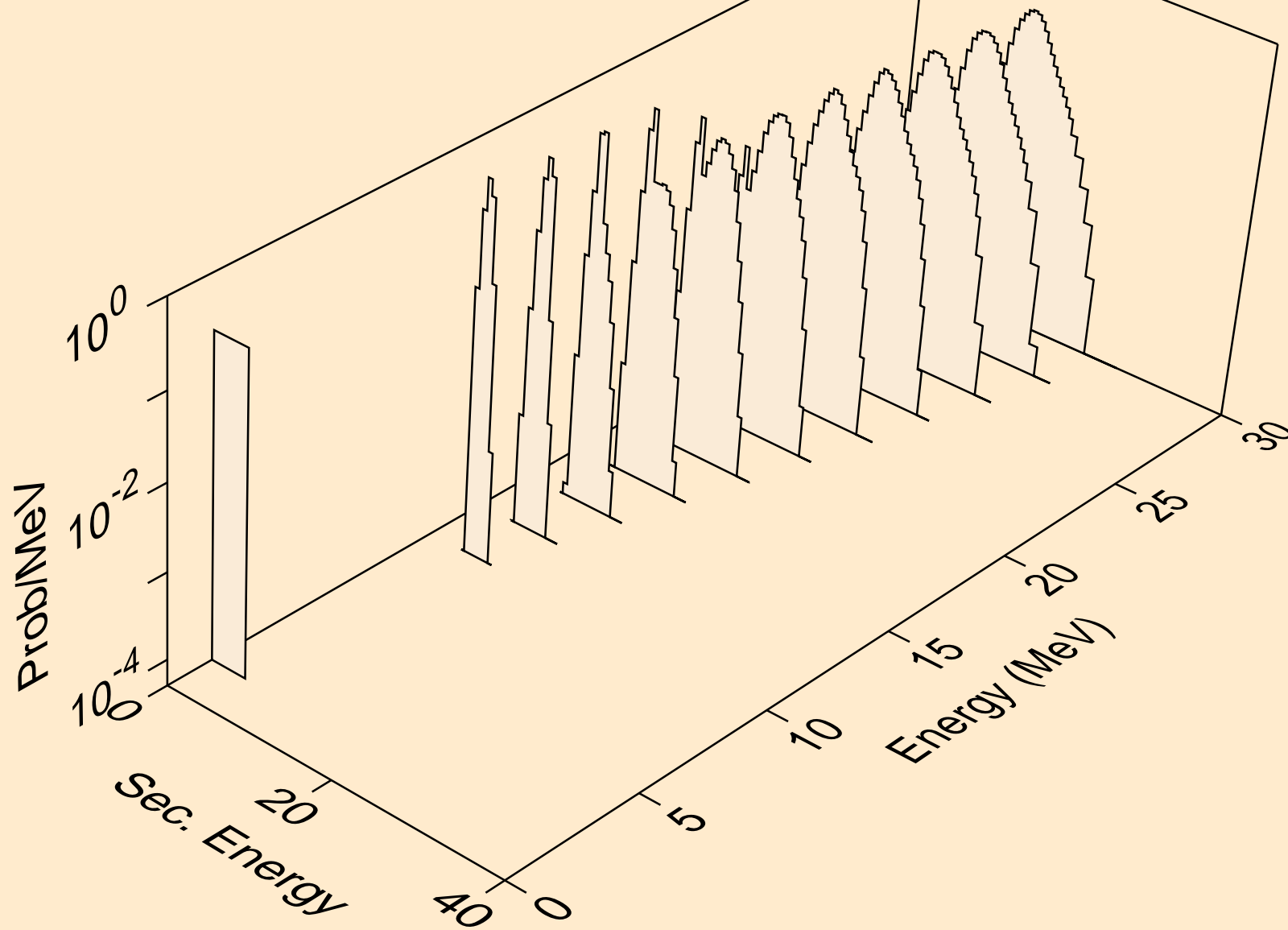
ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,a)



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2a)



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,pa)



ND147 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,da)

