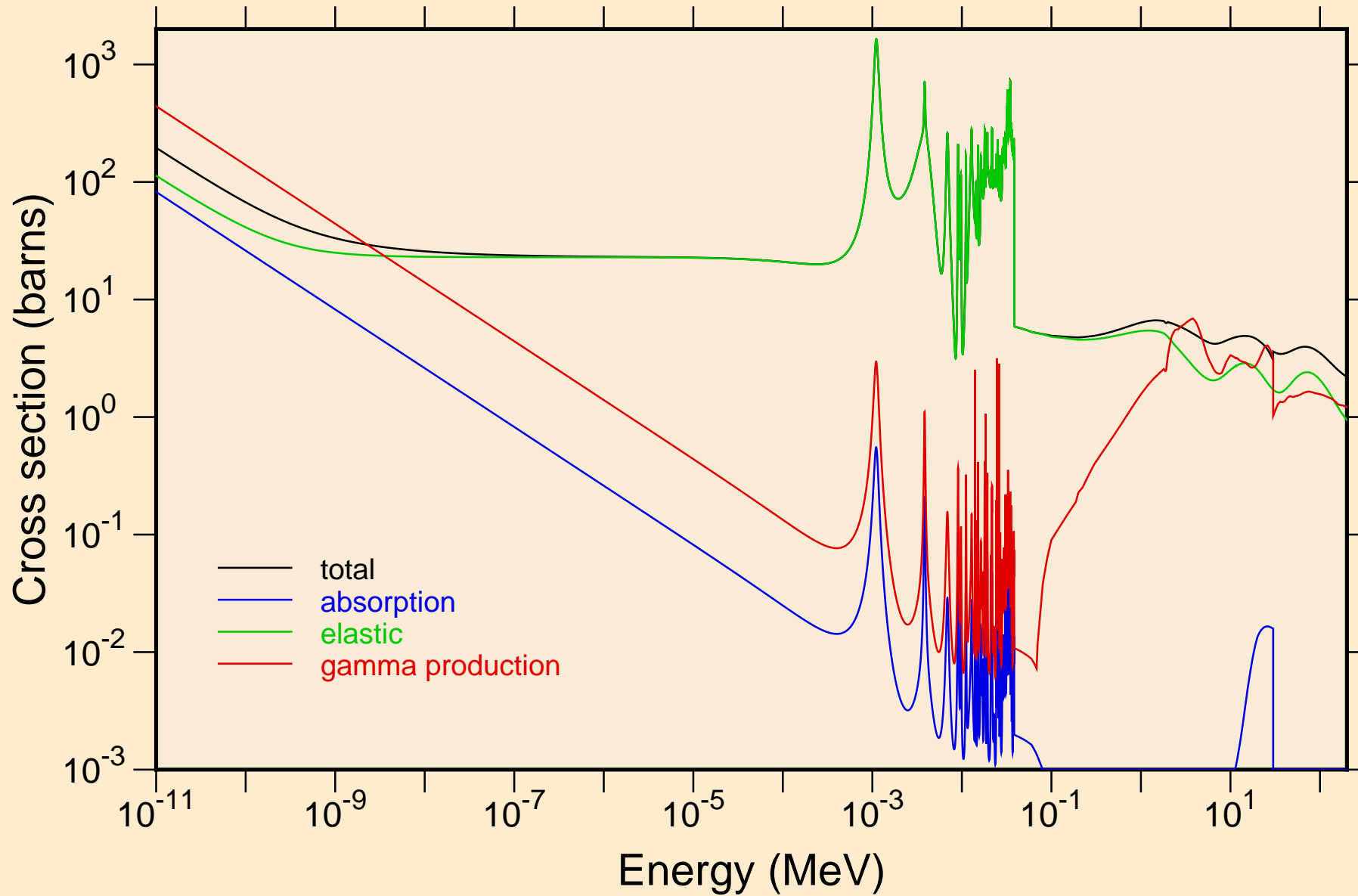
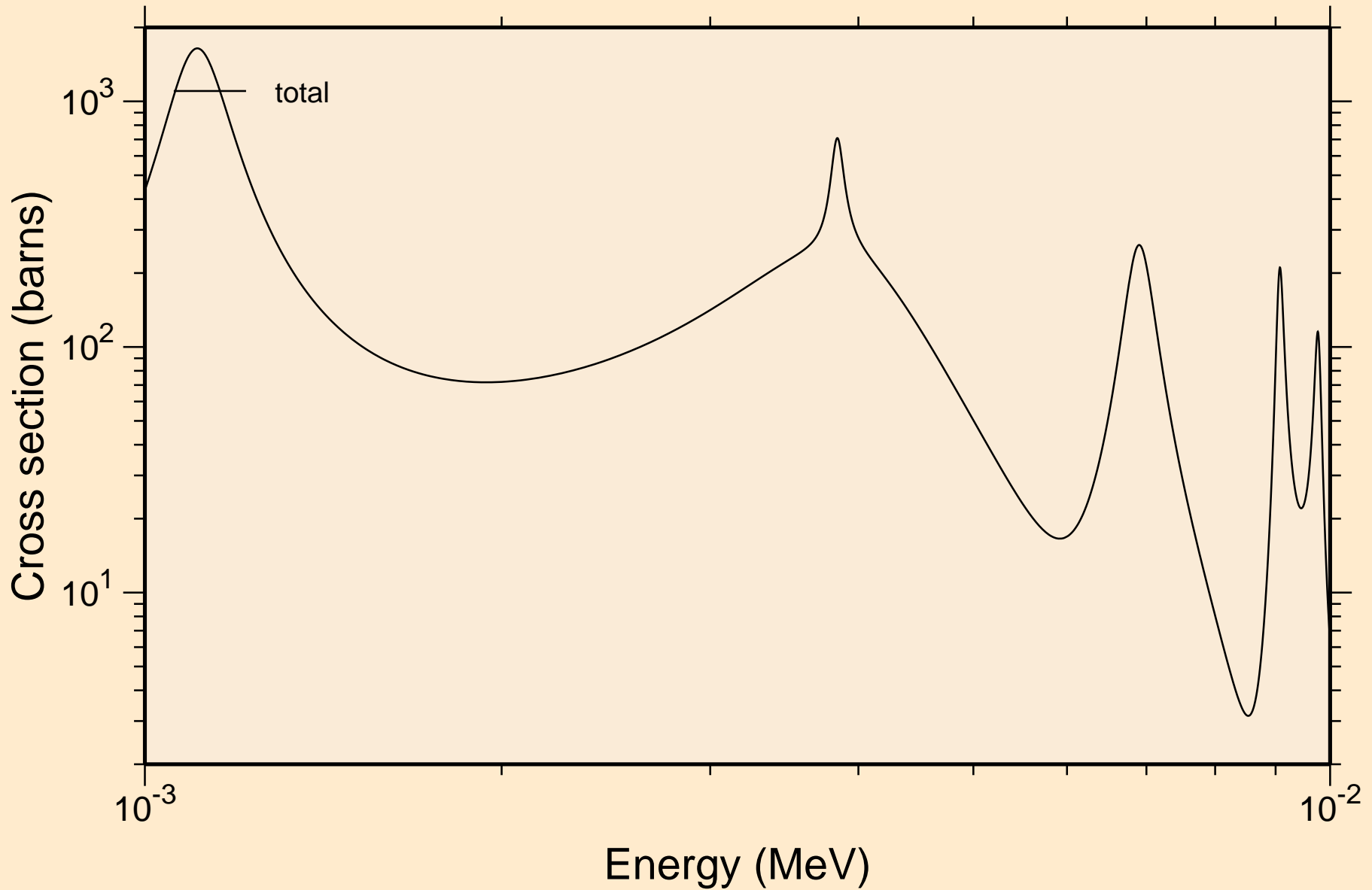


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

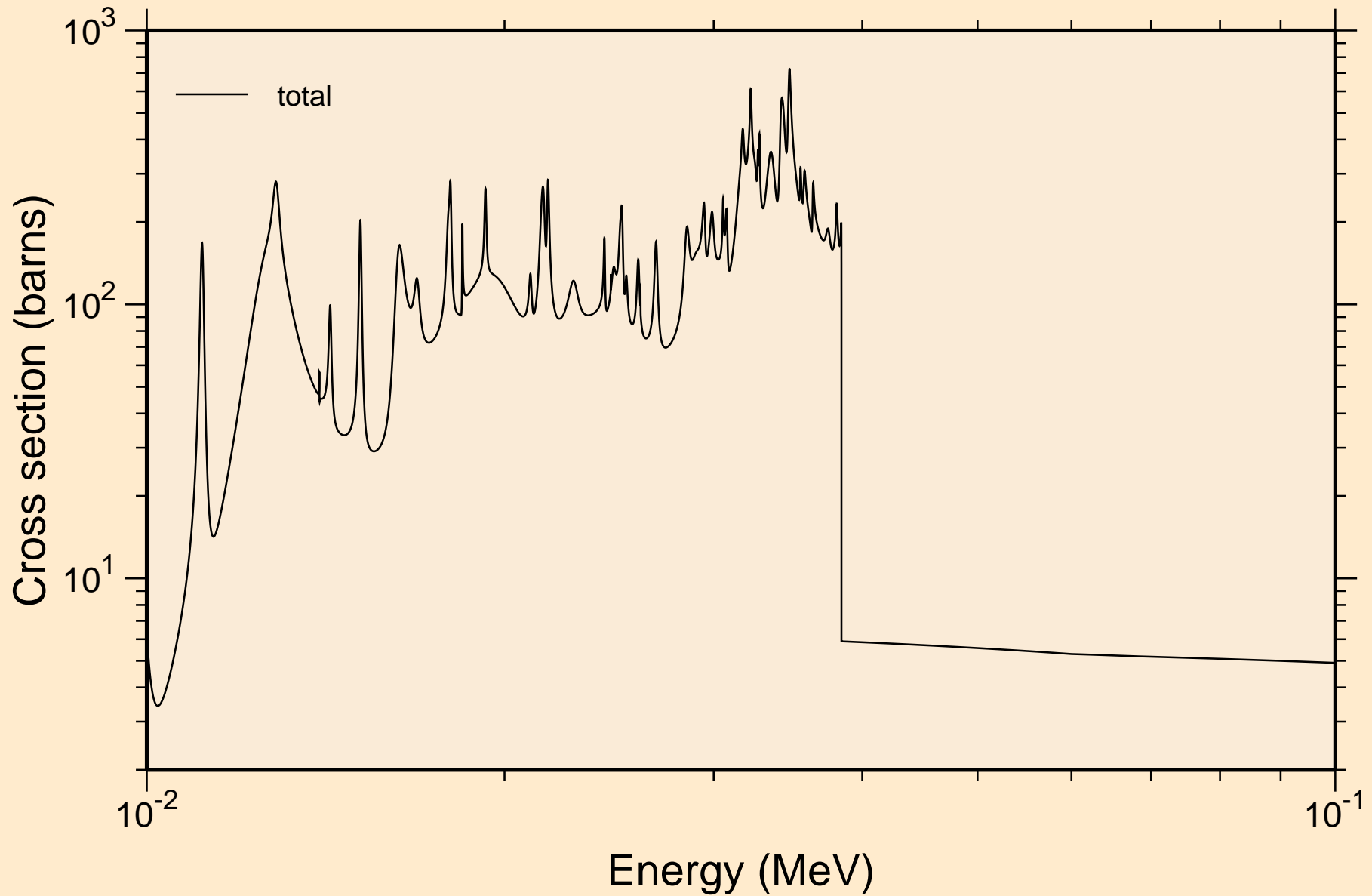
Principal cross sections



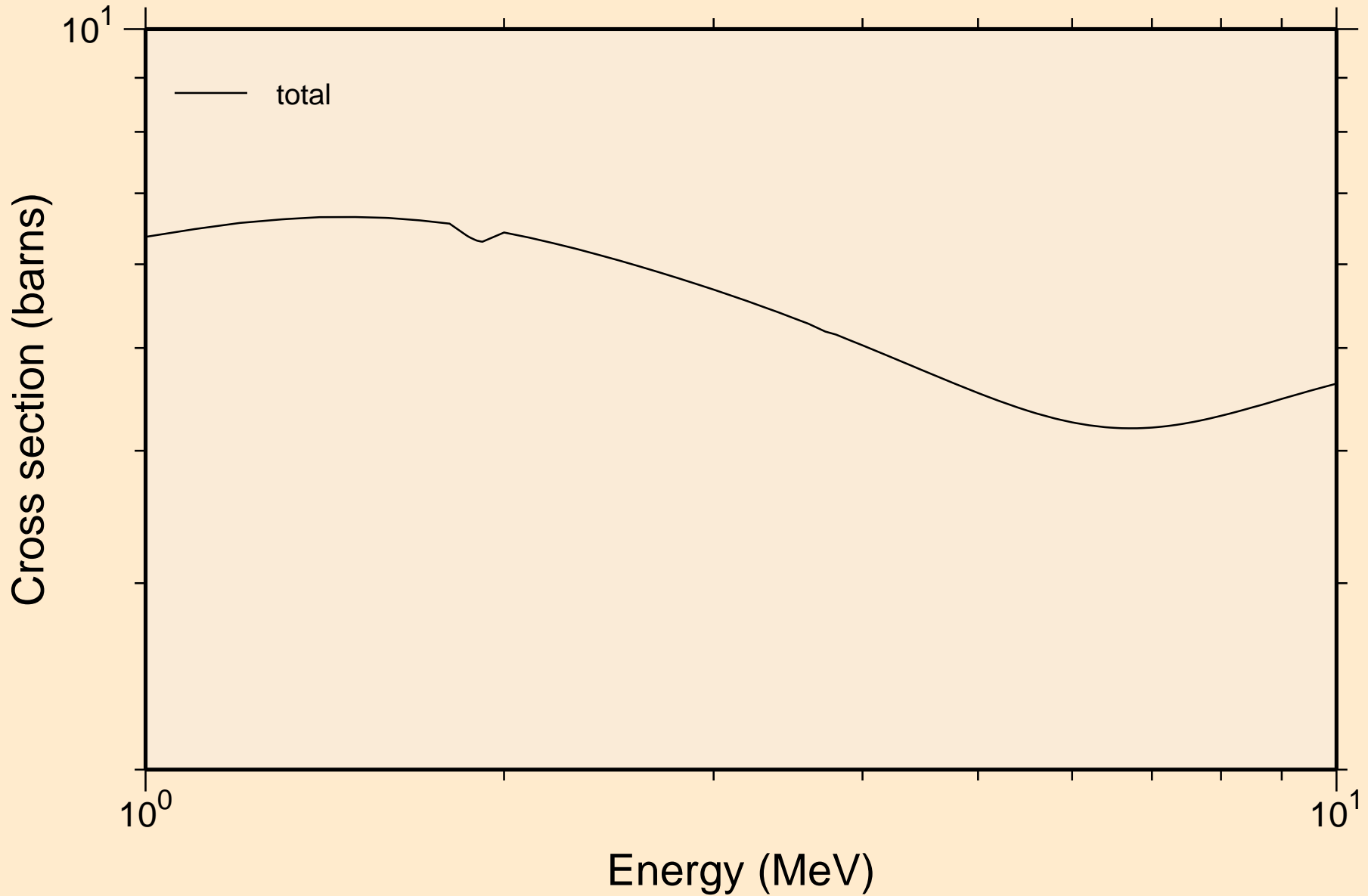
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



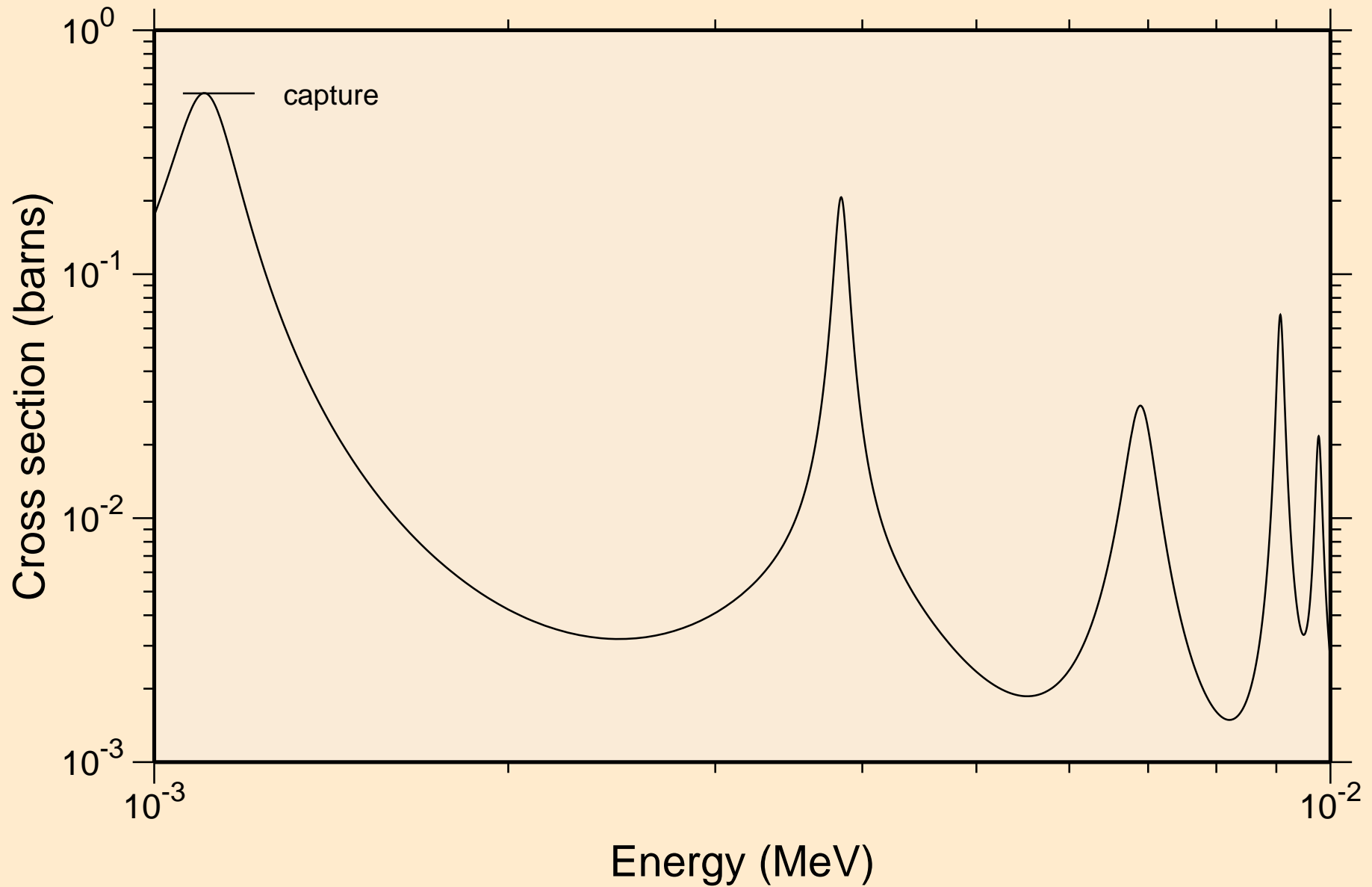
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



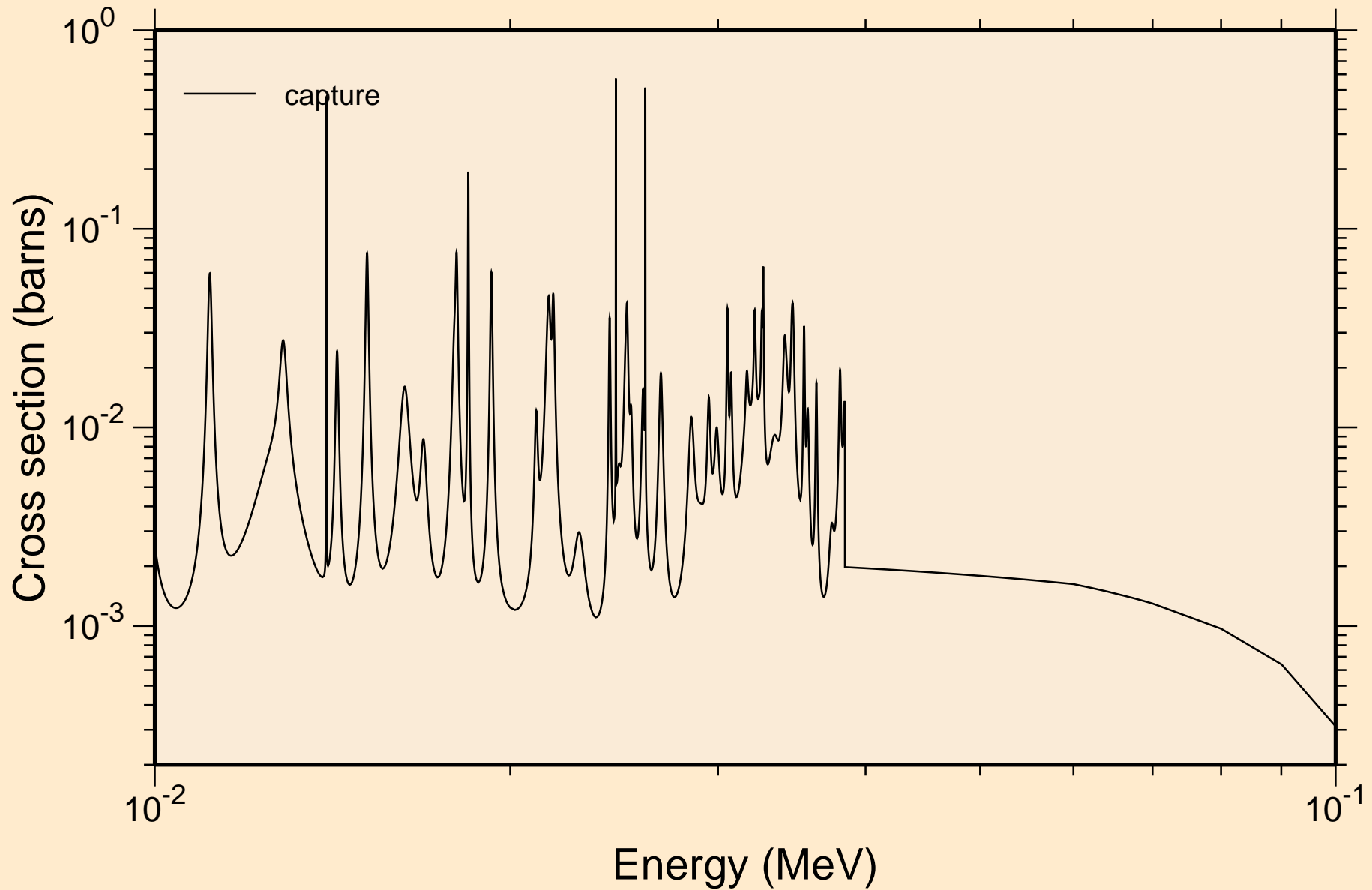
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



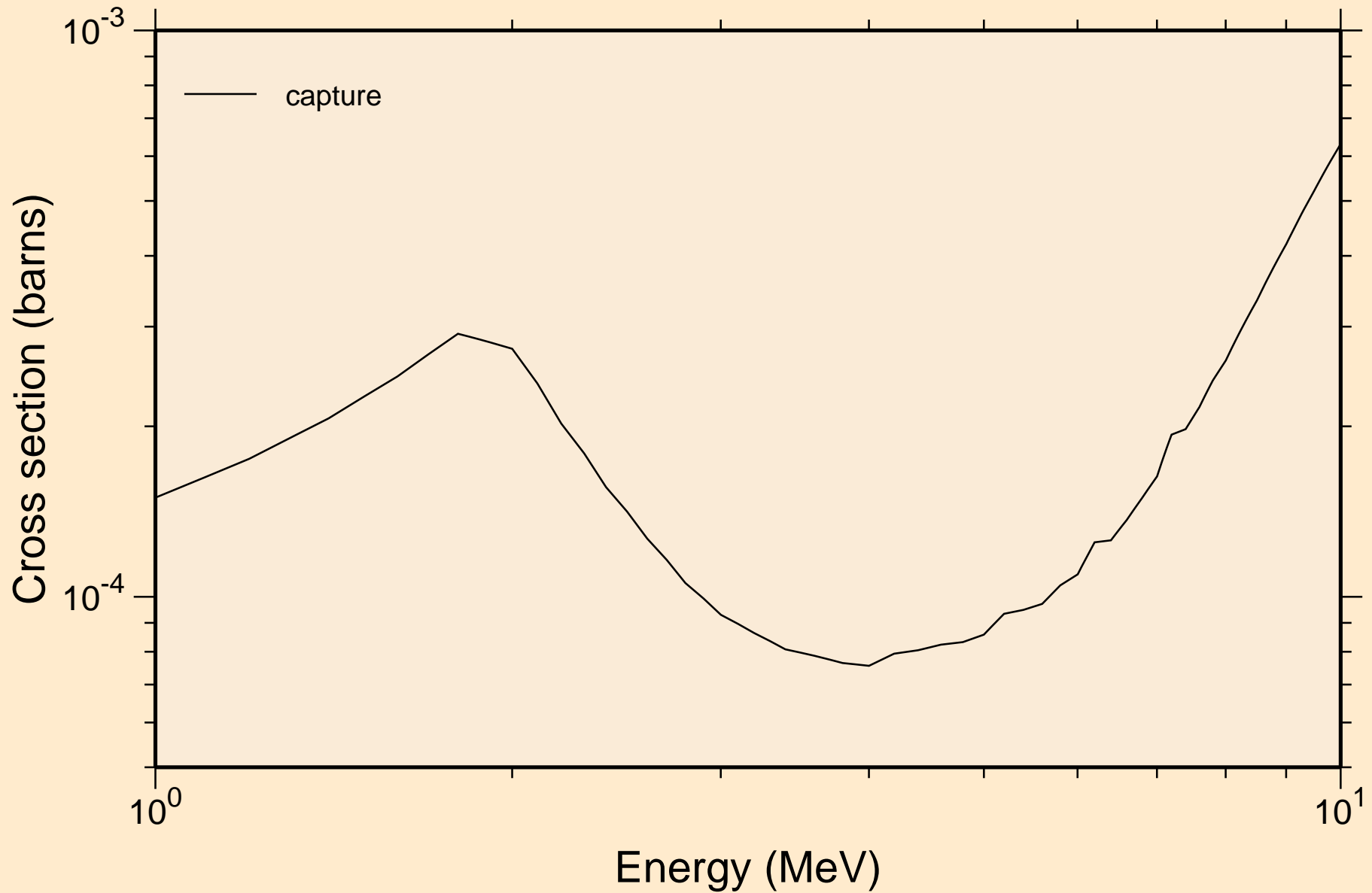
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



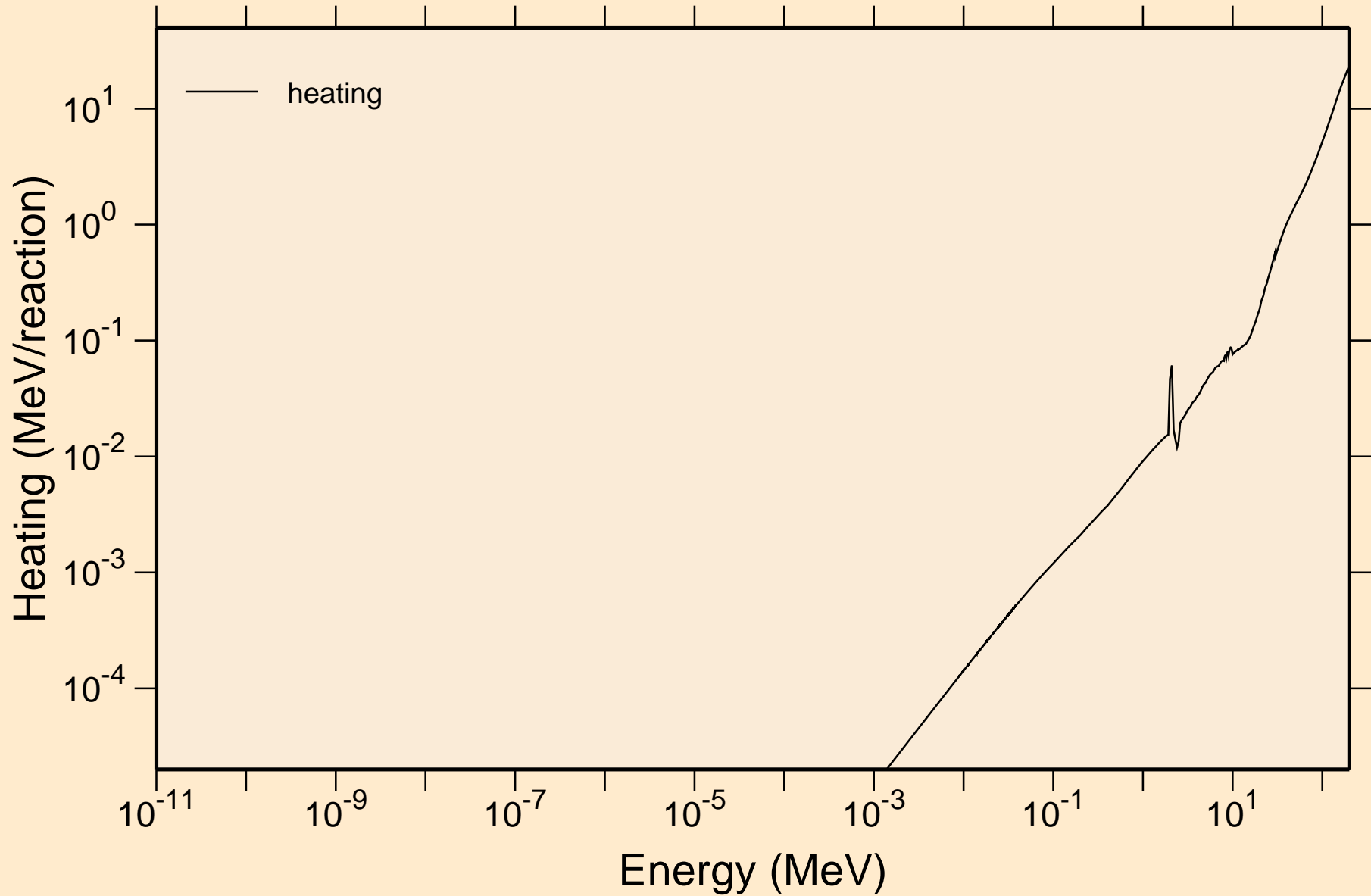
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections

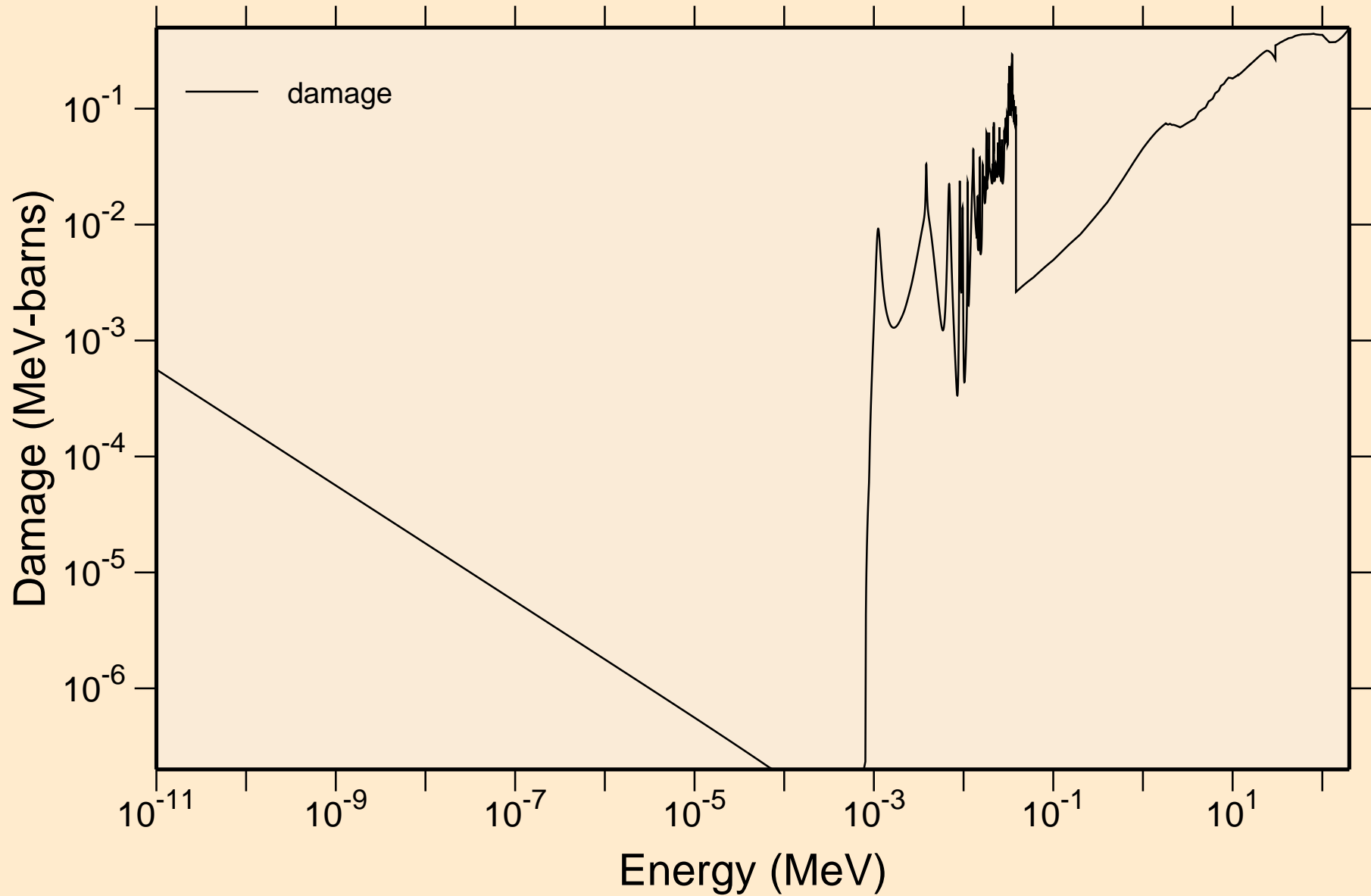


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Heating

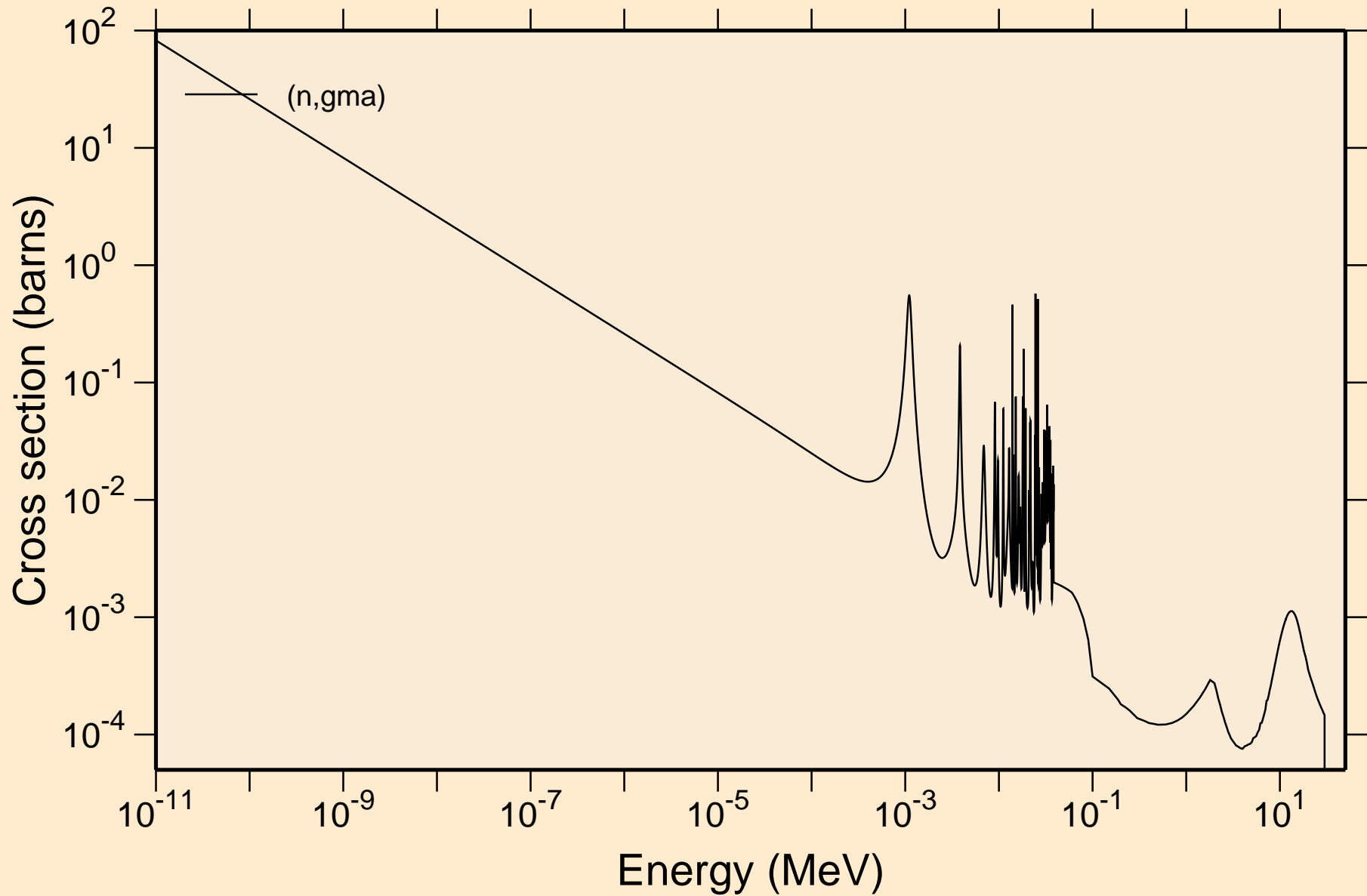


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

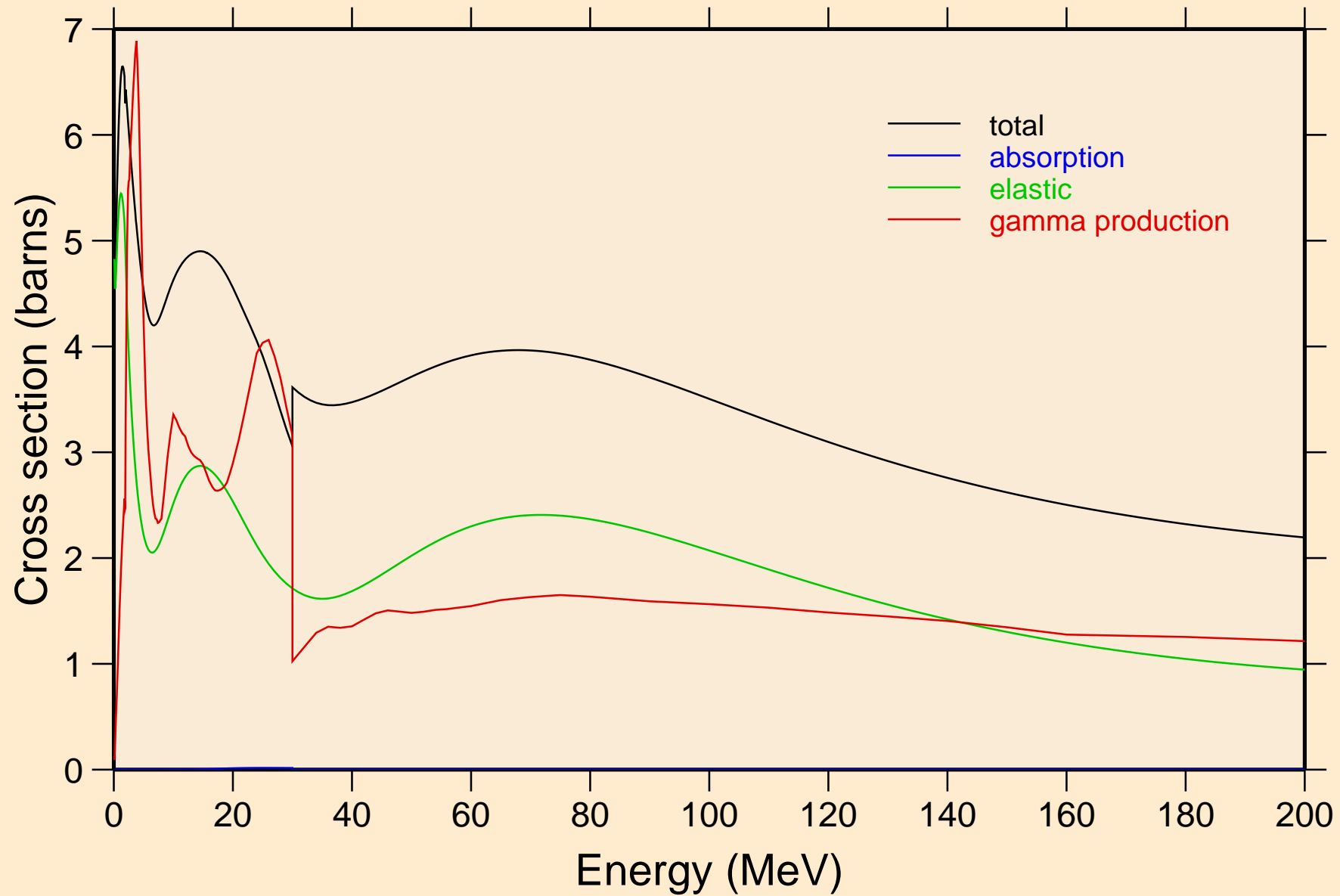


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



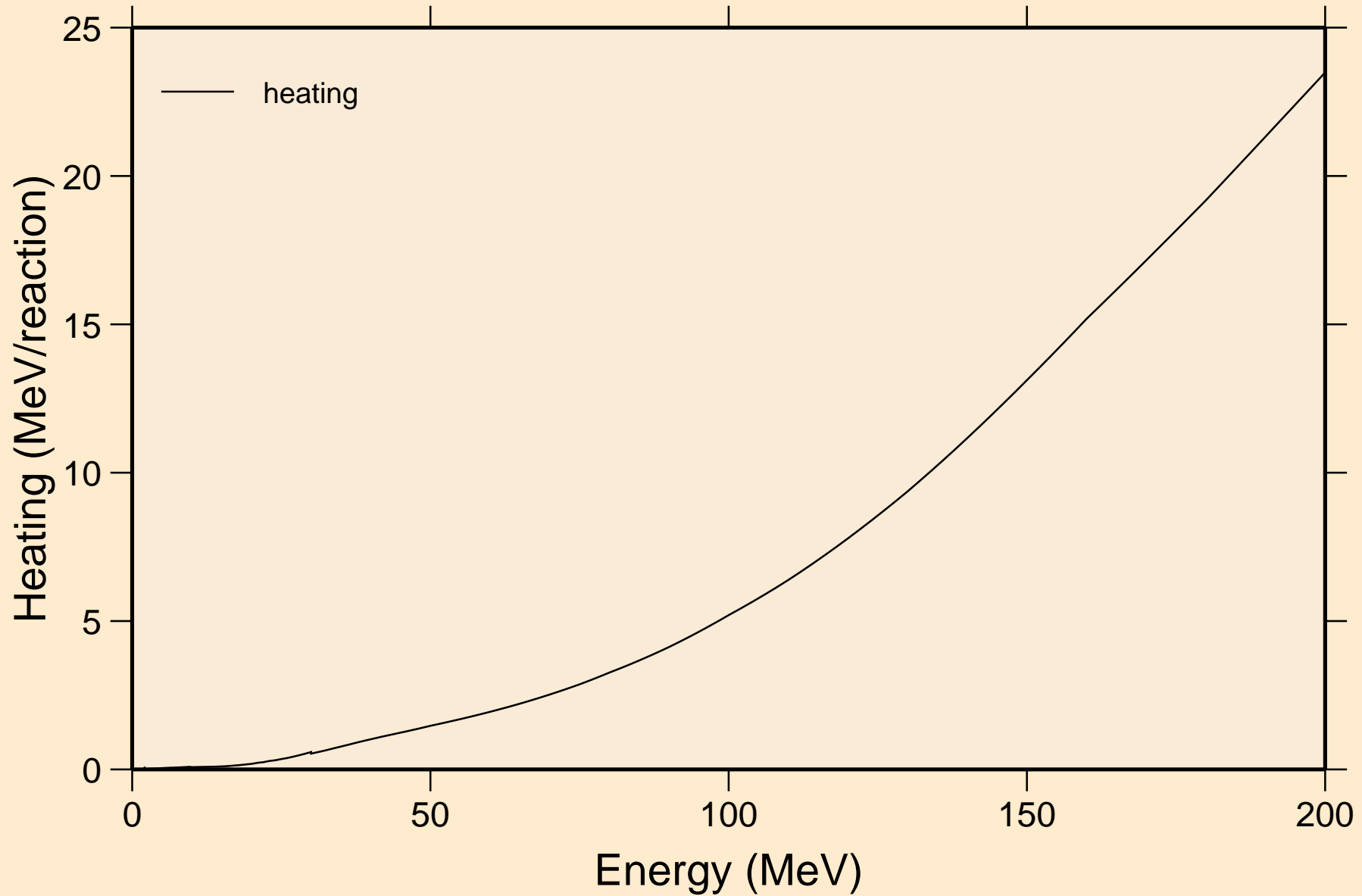
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Principal cross sections



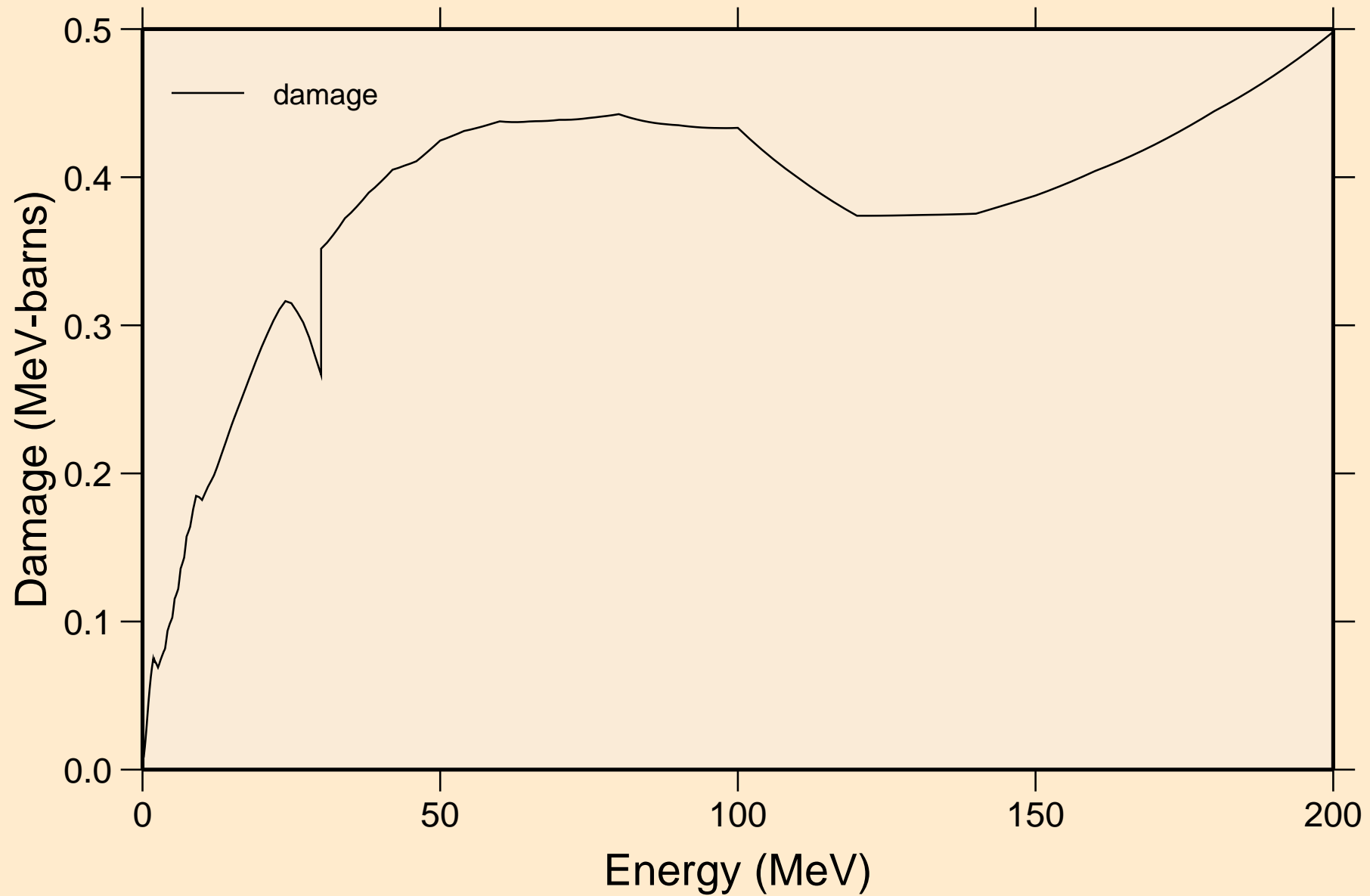
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

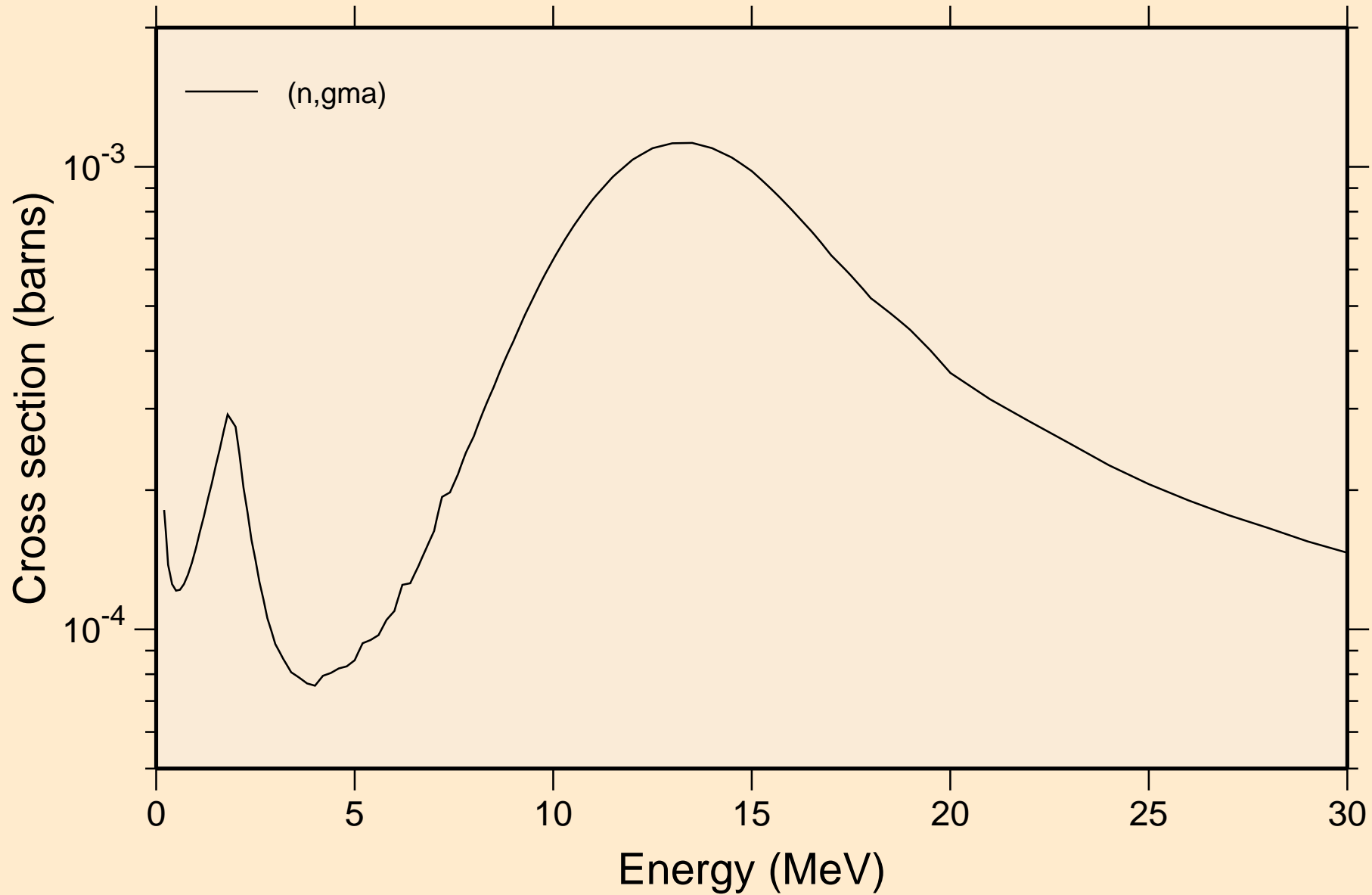


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

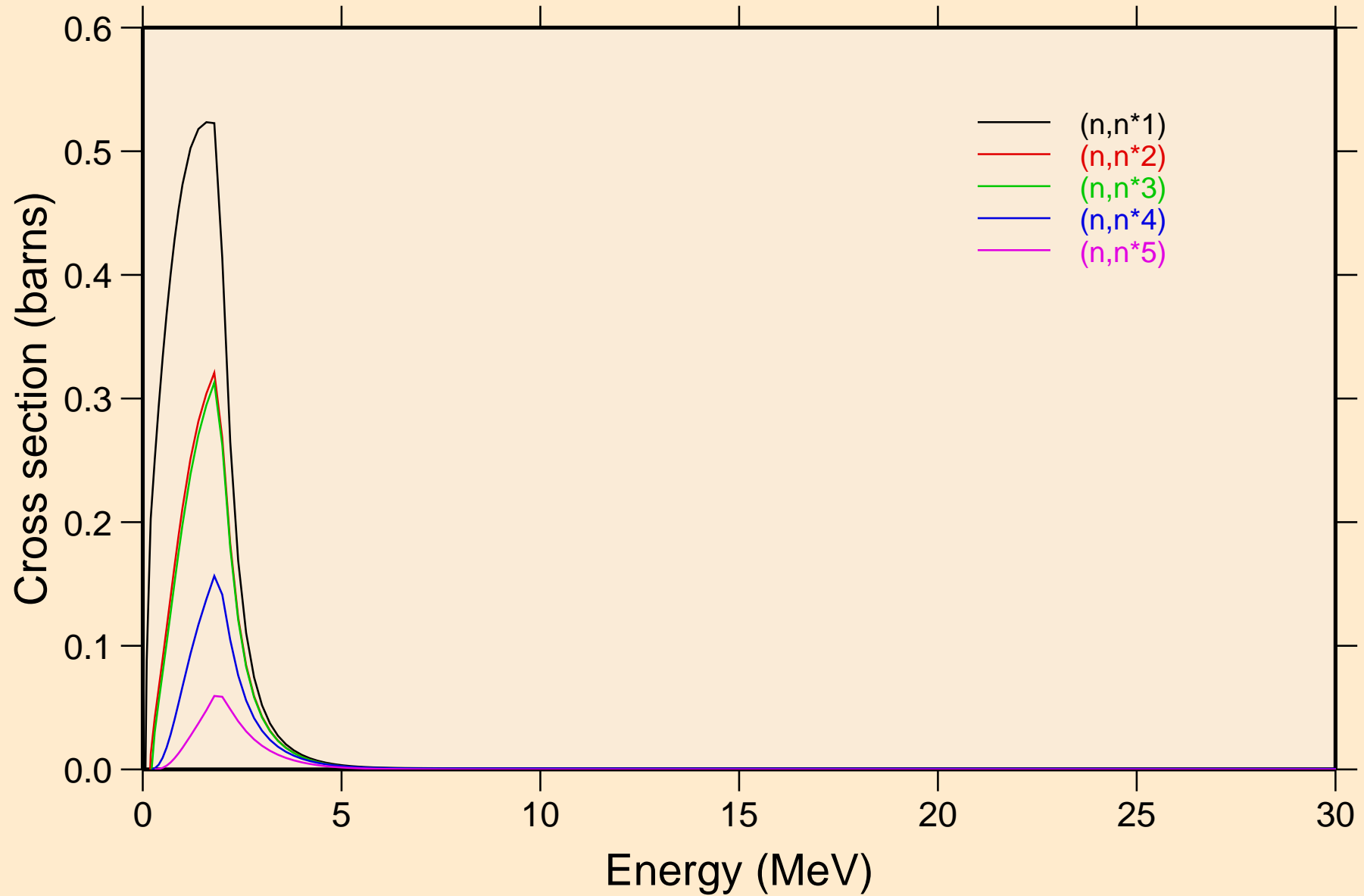
Damage



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions

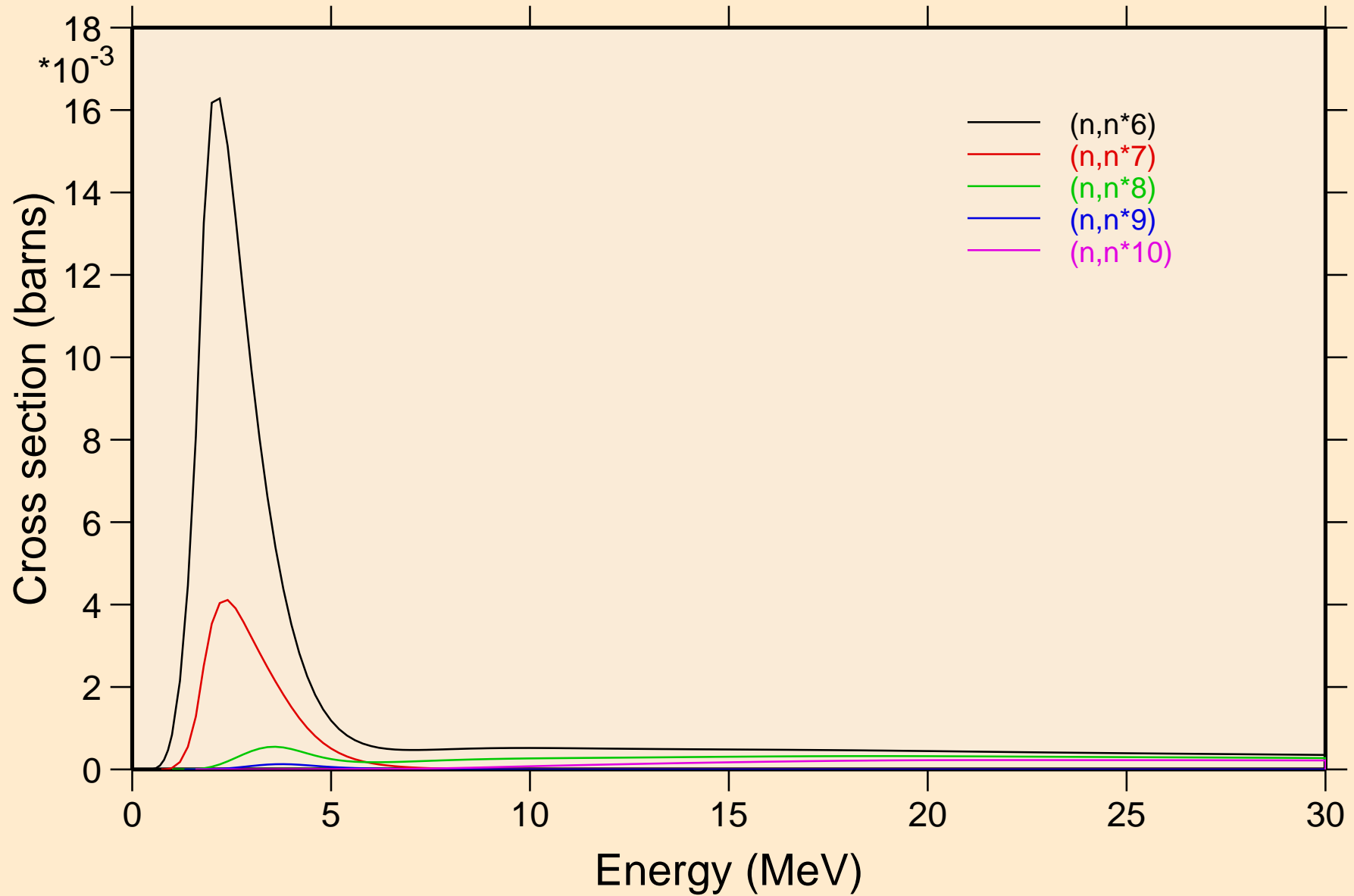


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels

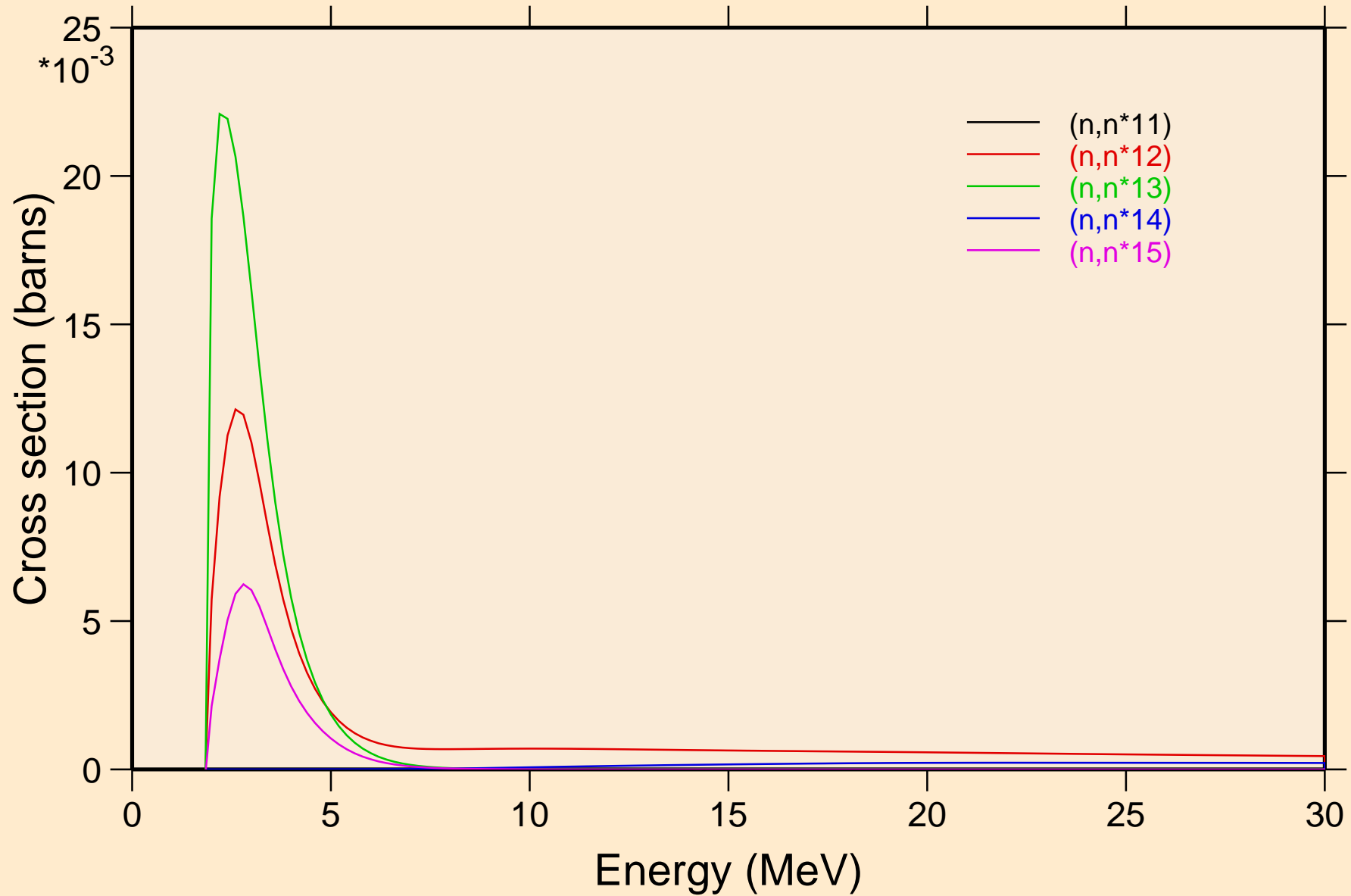


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

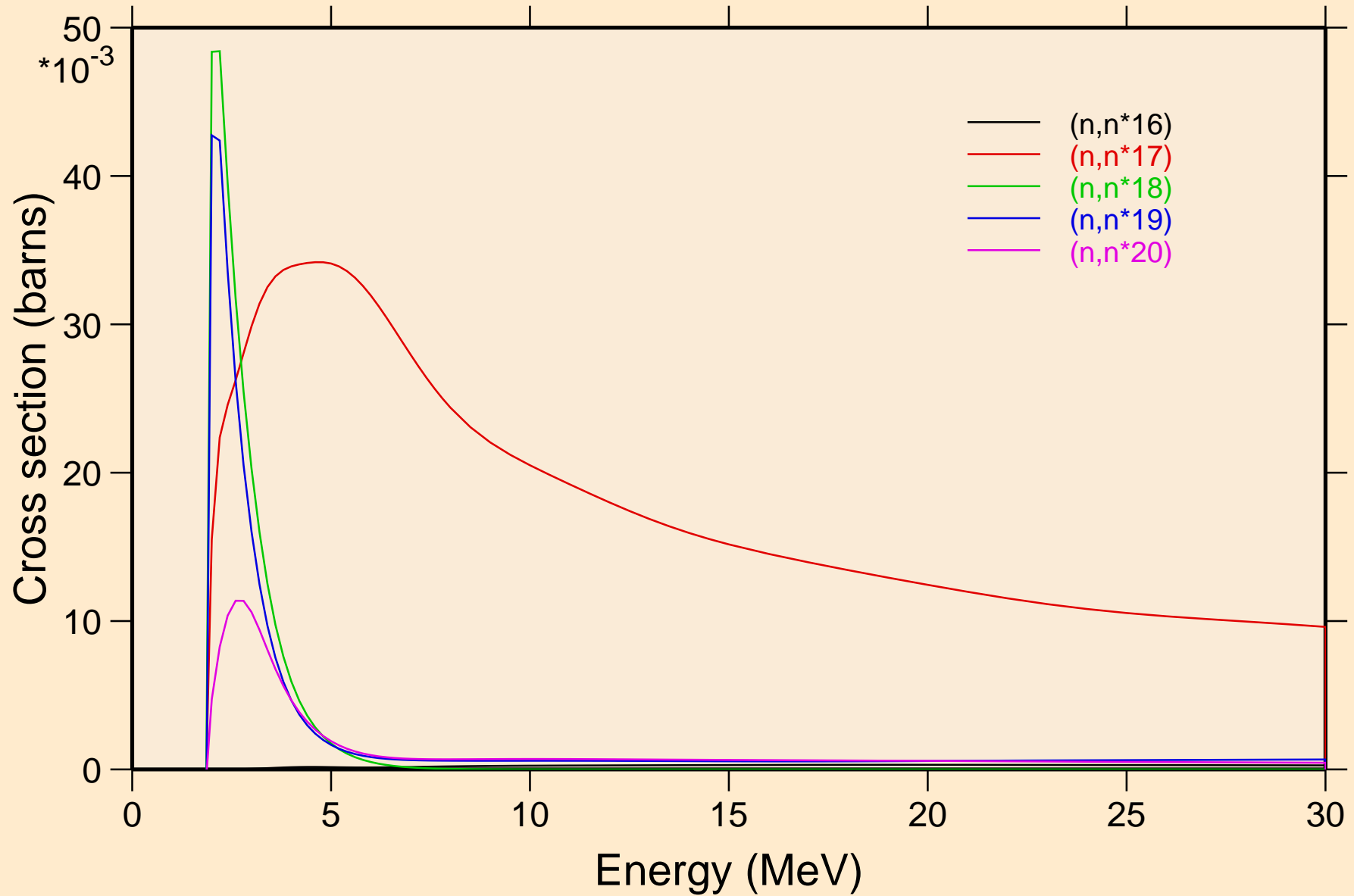
Inelastic levels



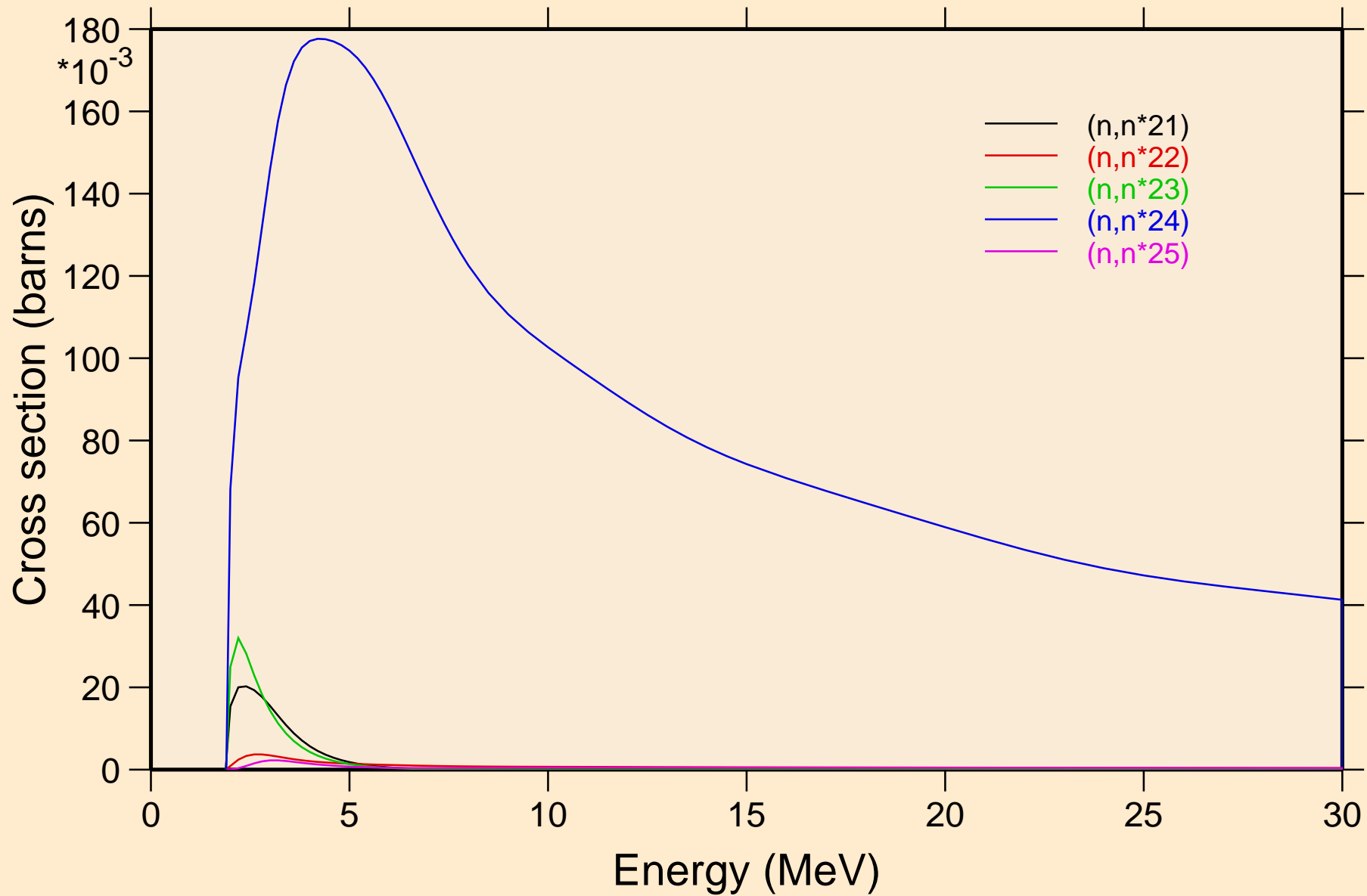
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels



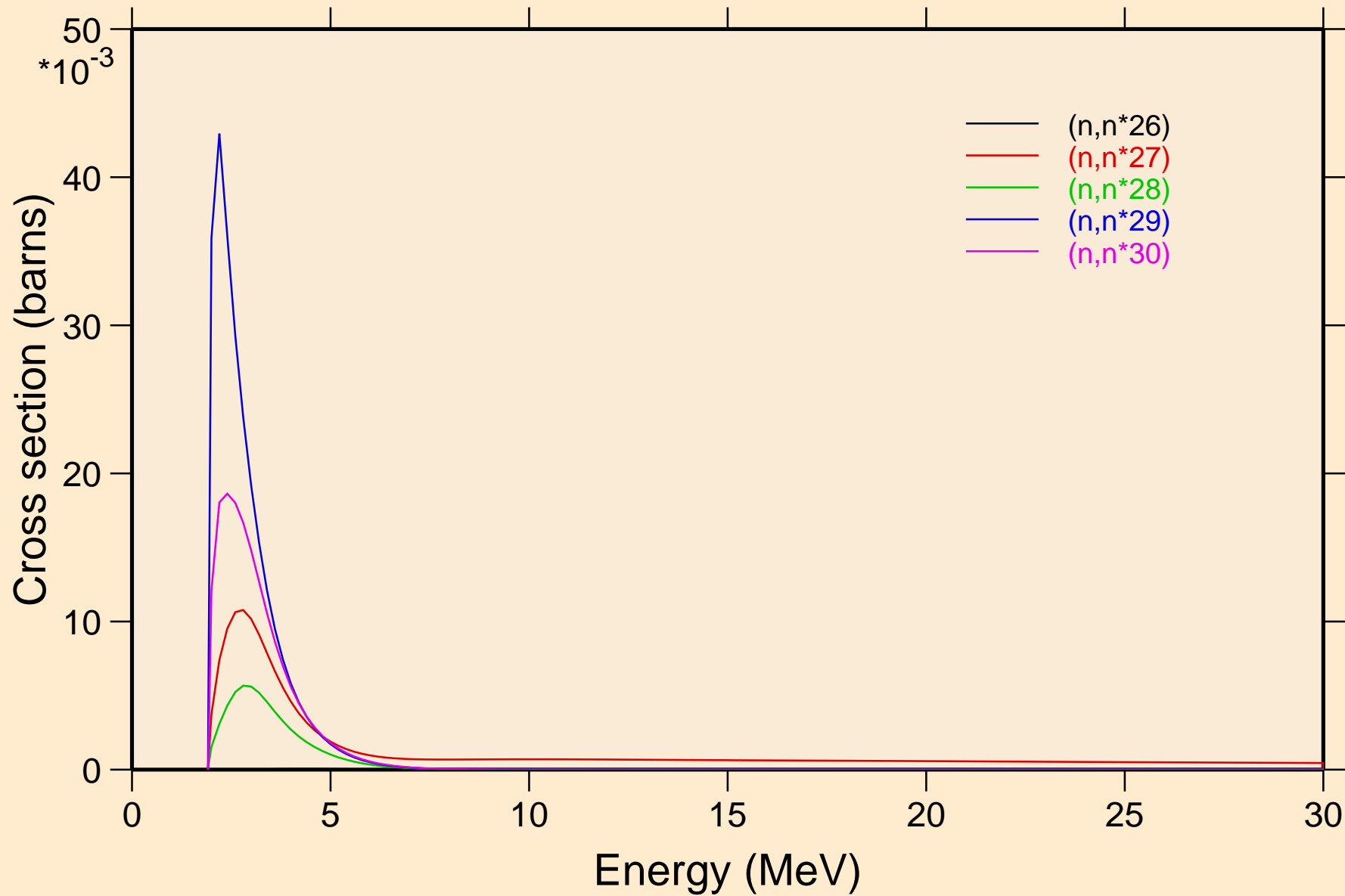
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels

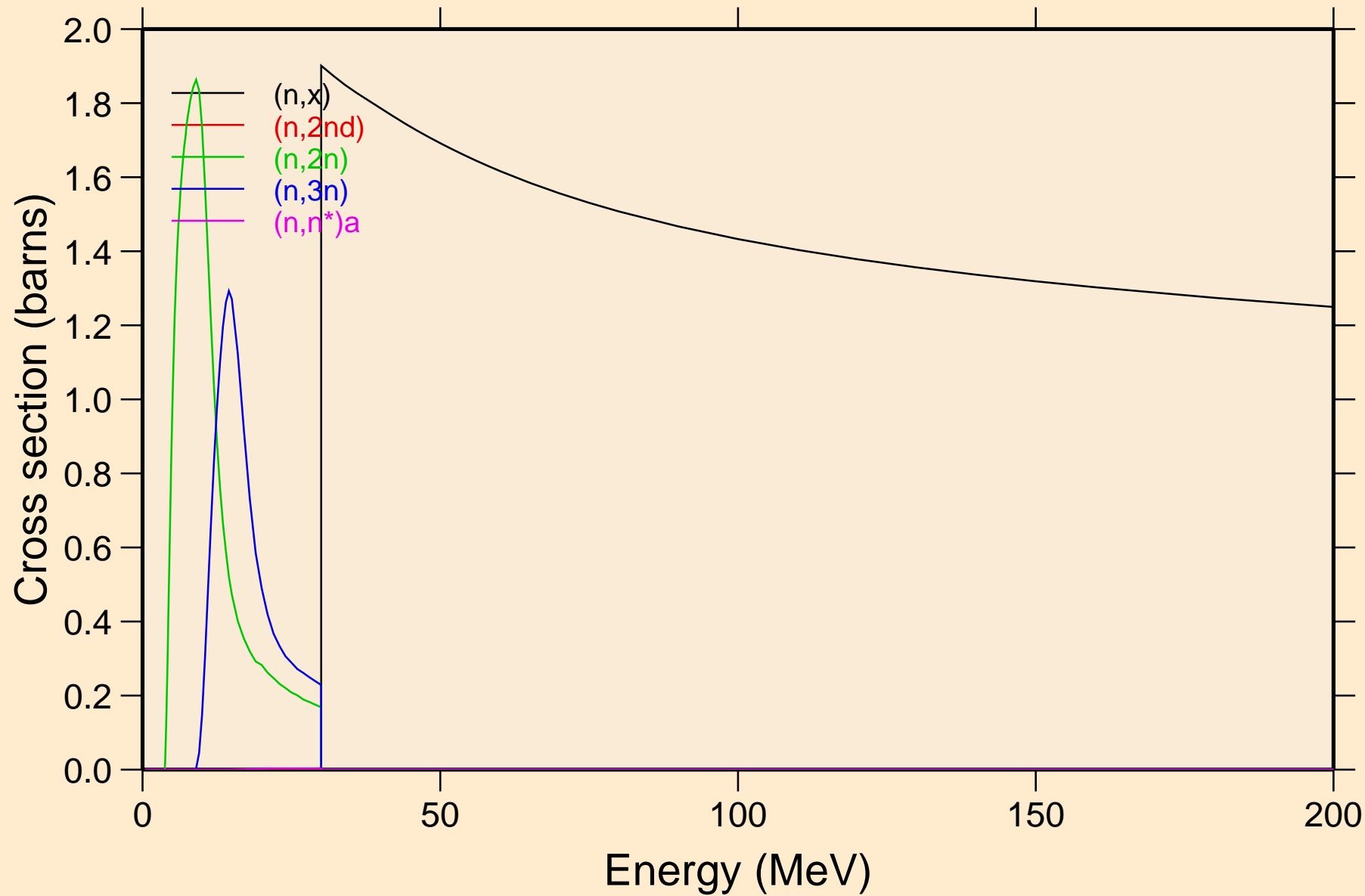


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels



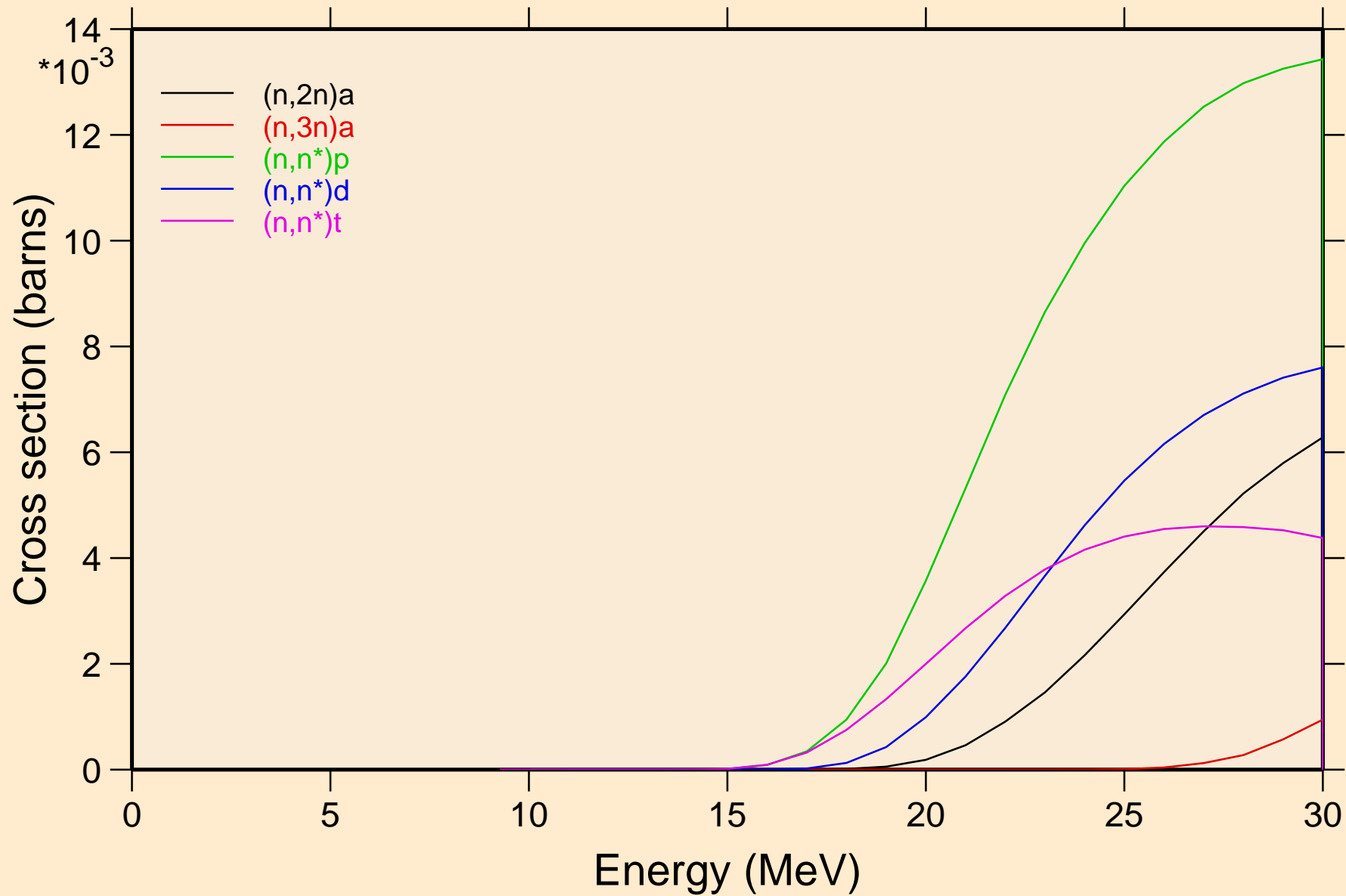
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions



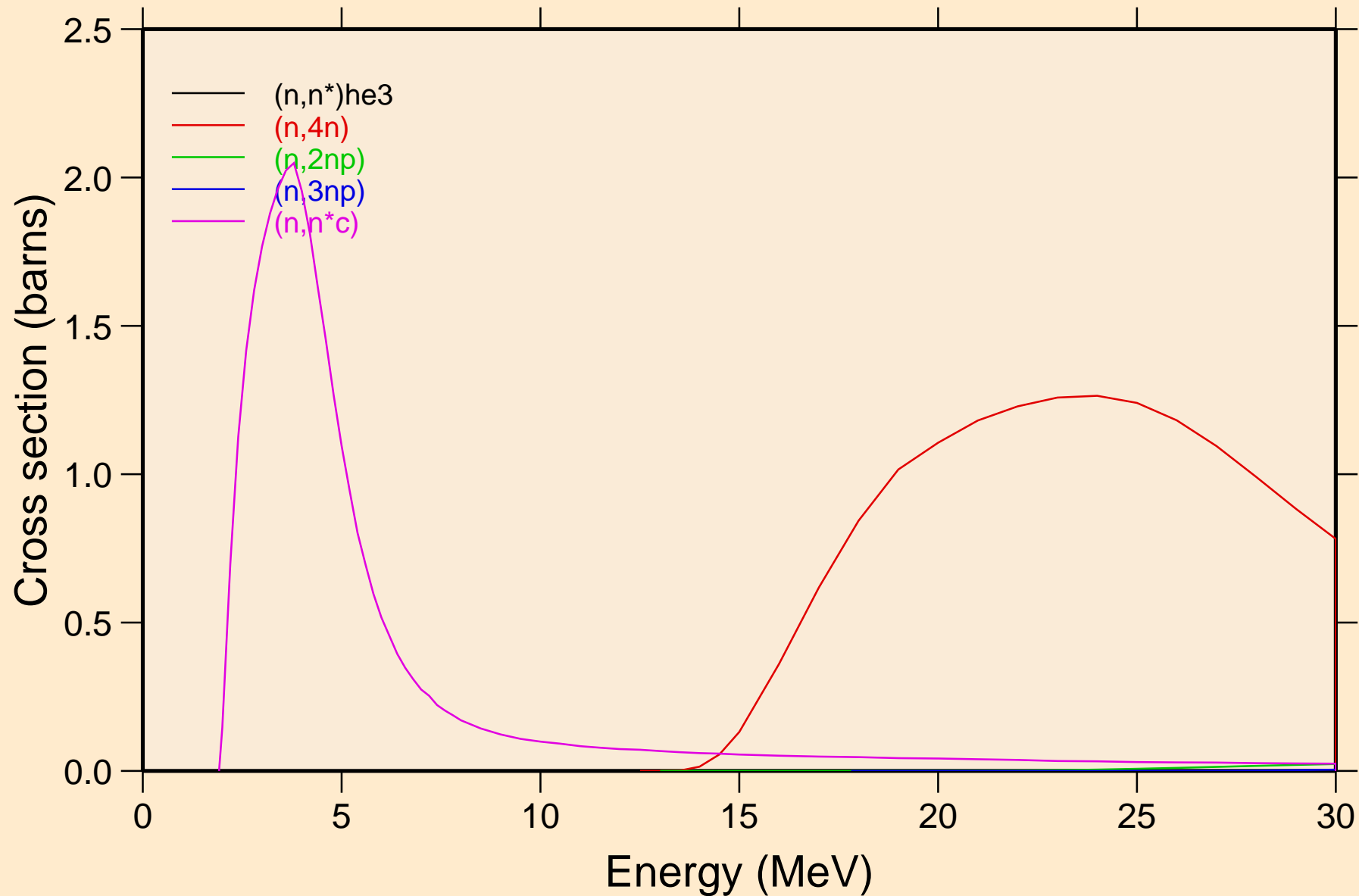
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions



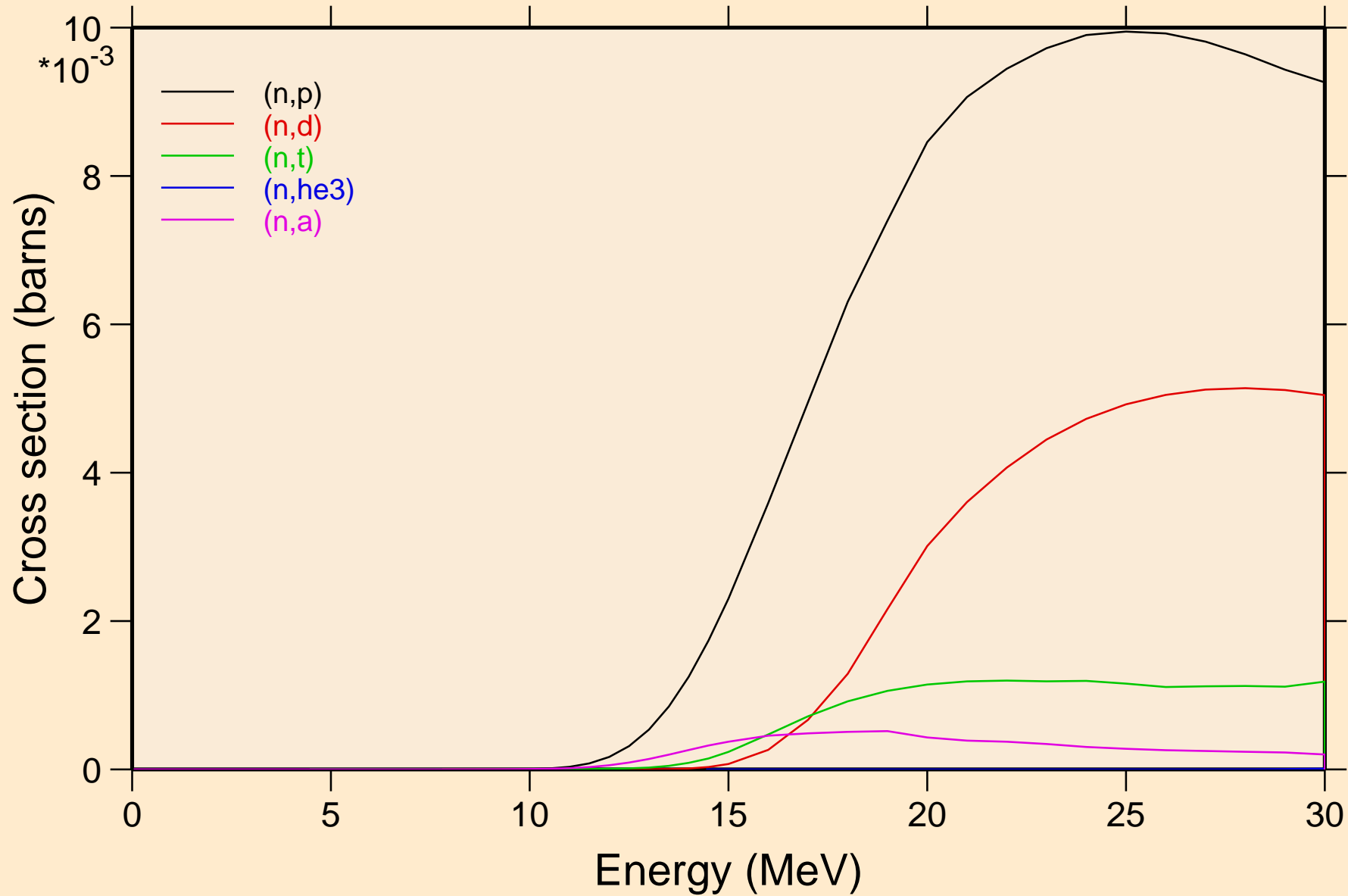
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

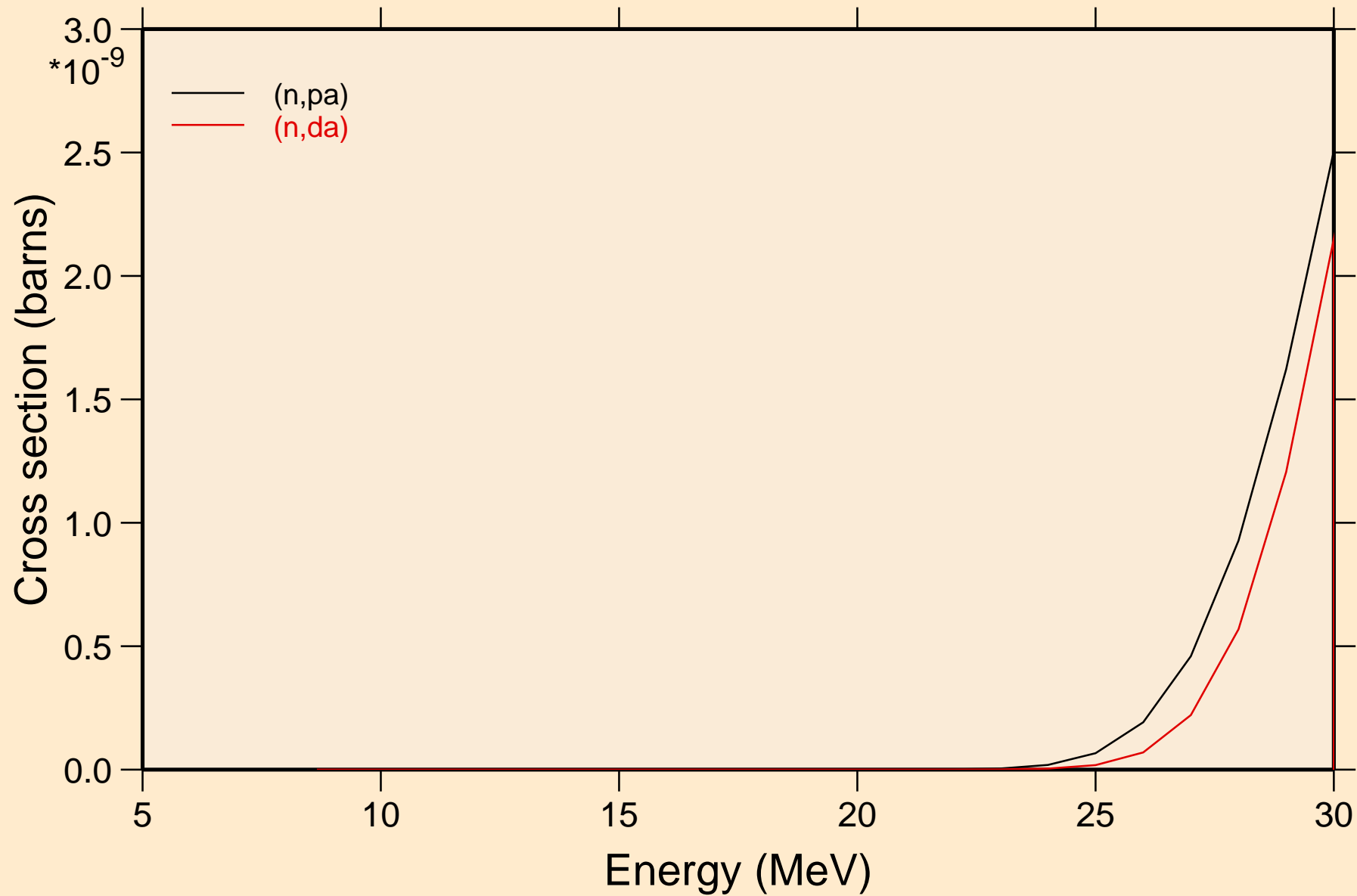


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

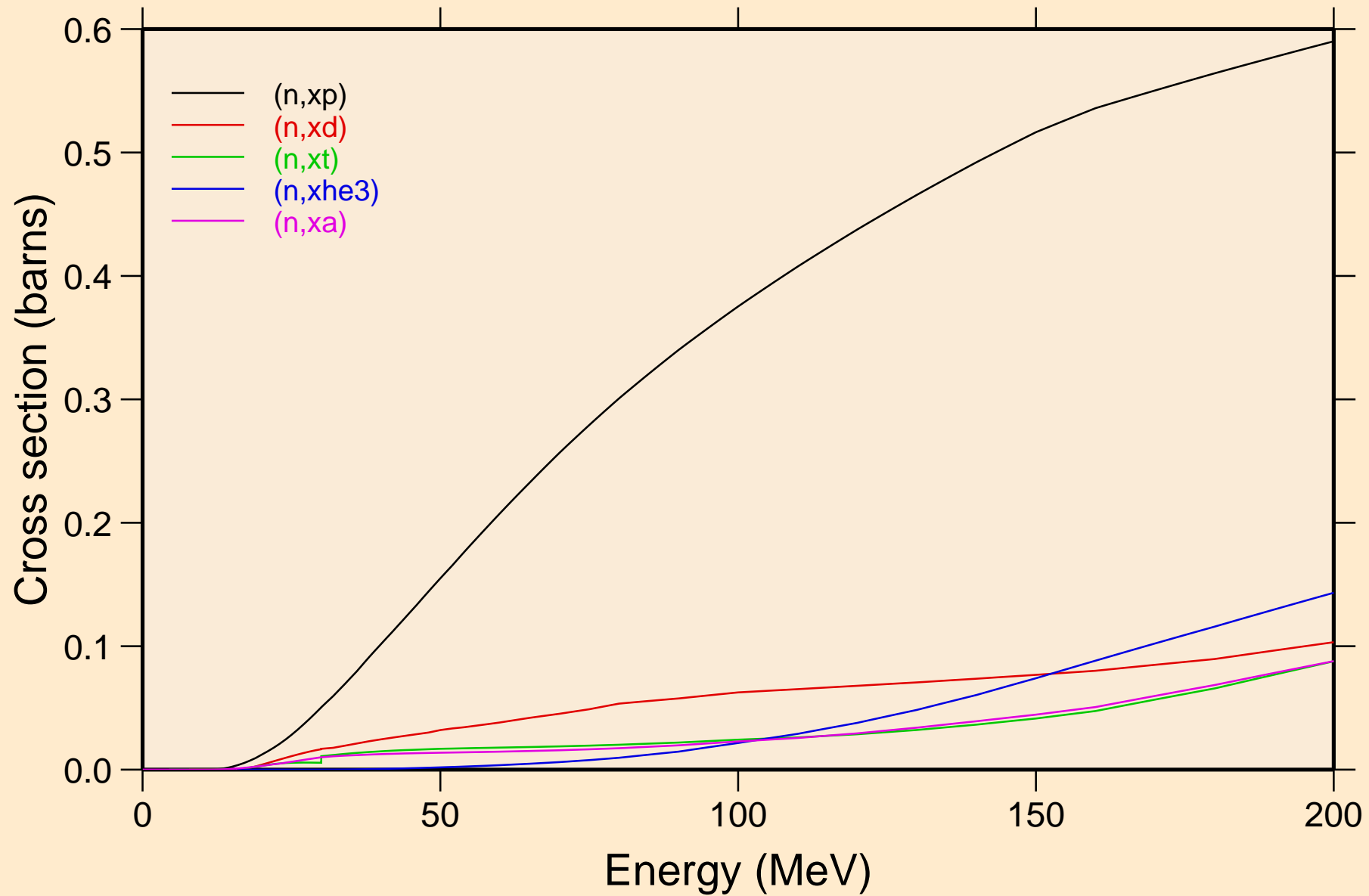


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions

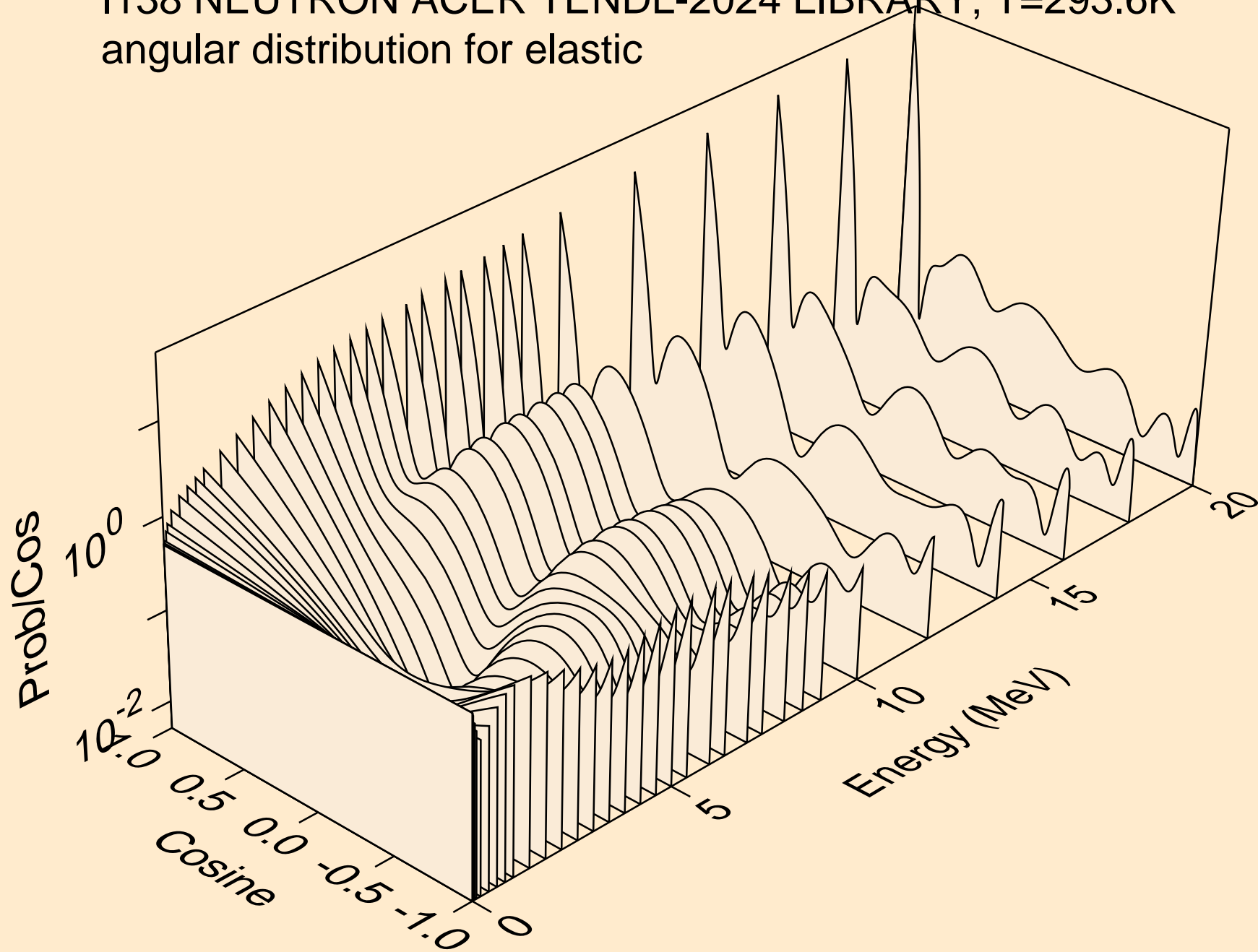


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

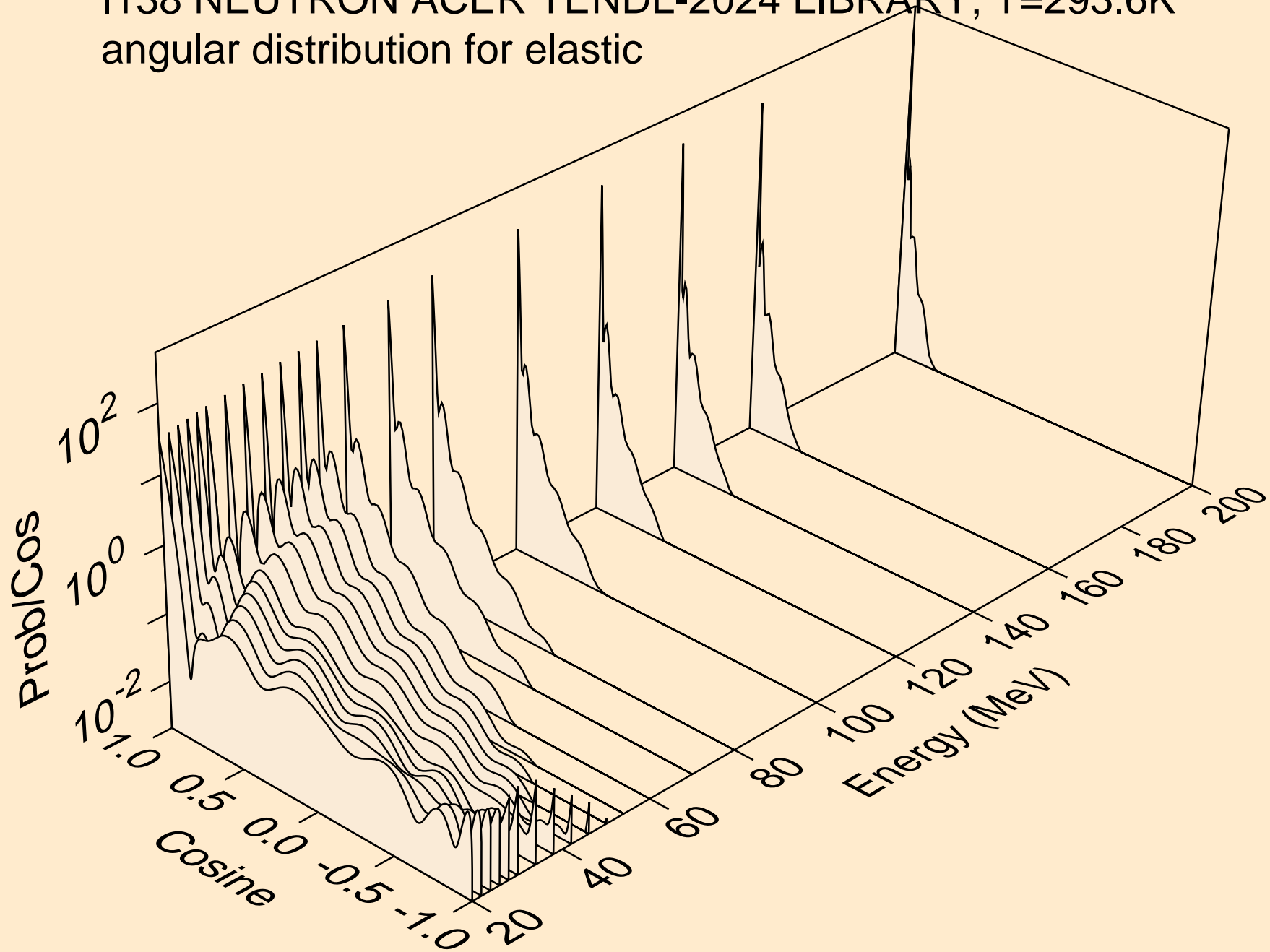
Threshold reactions



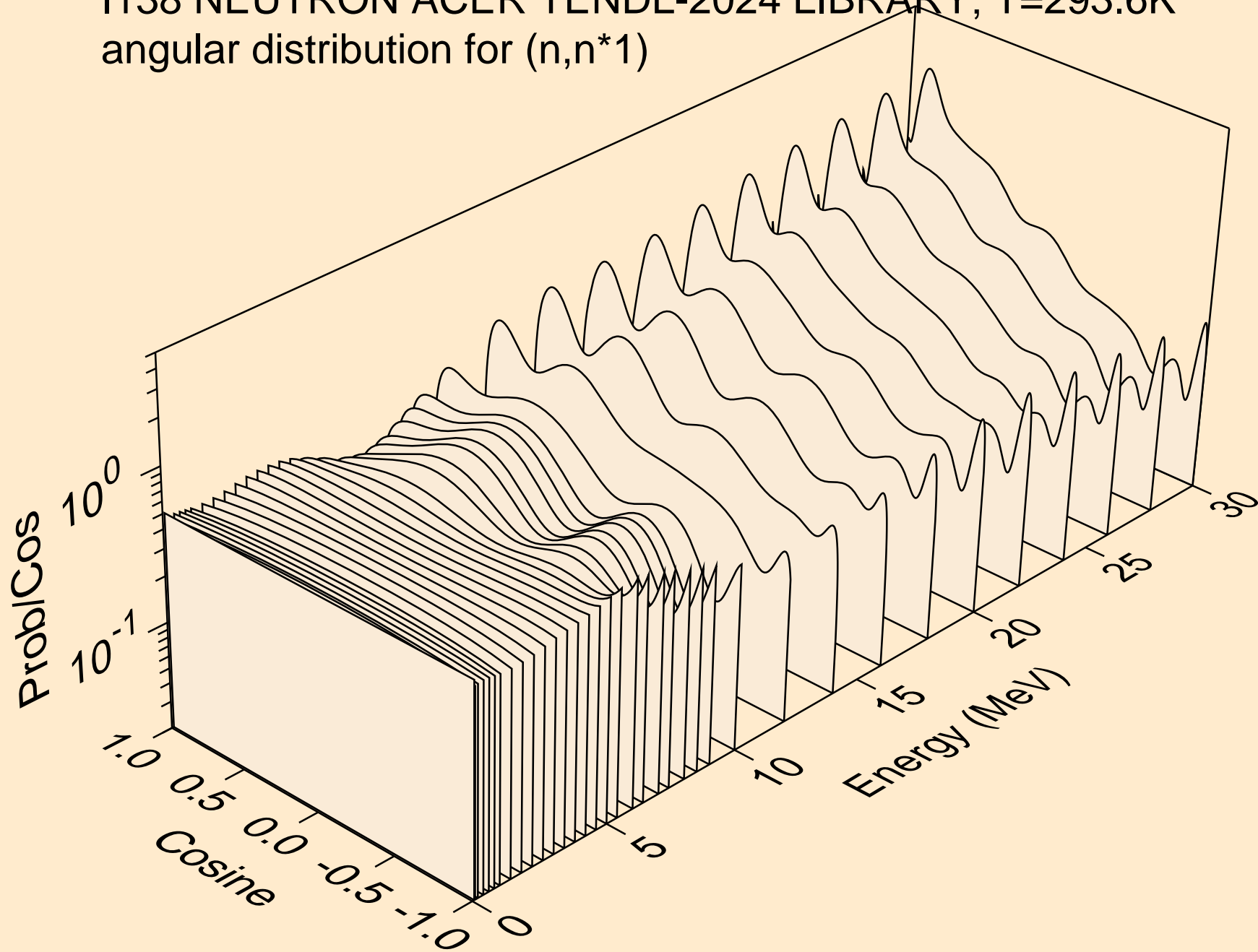
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



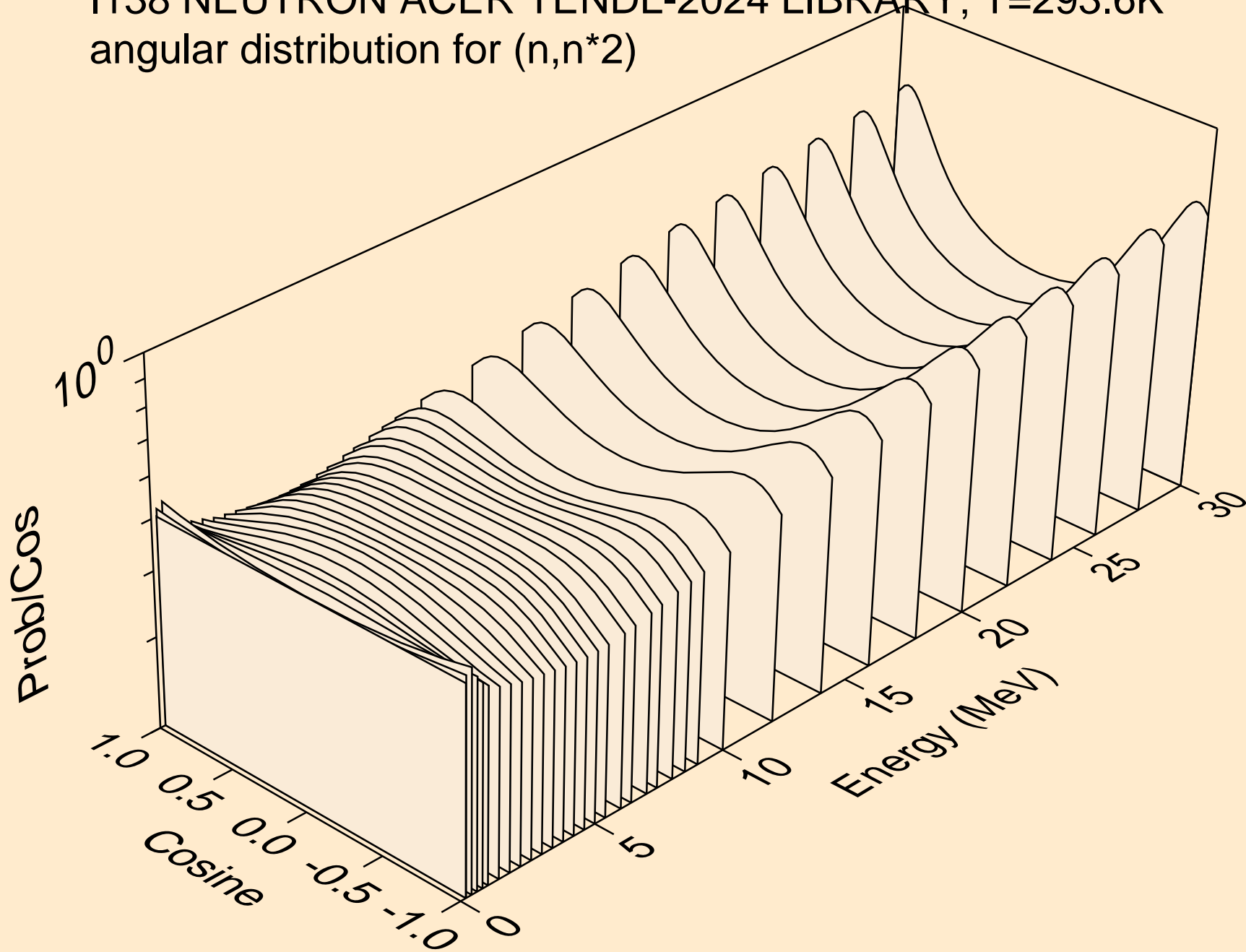
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



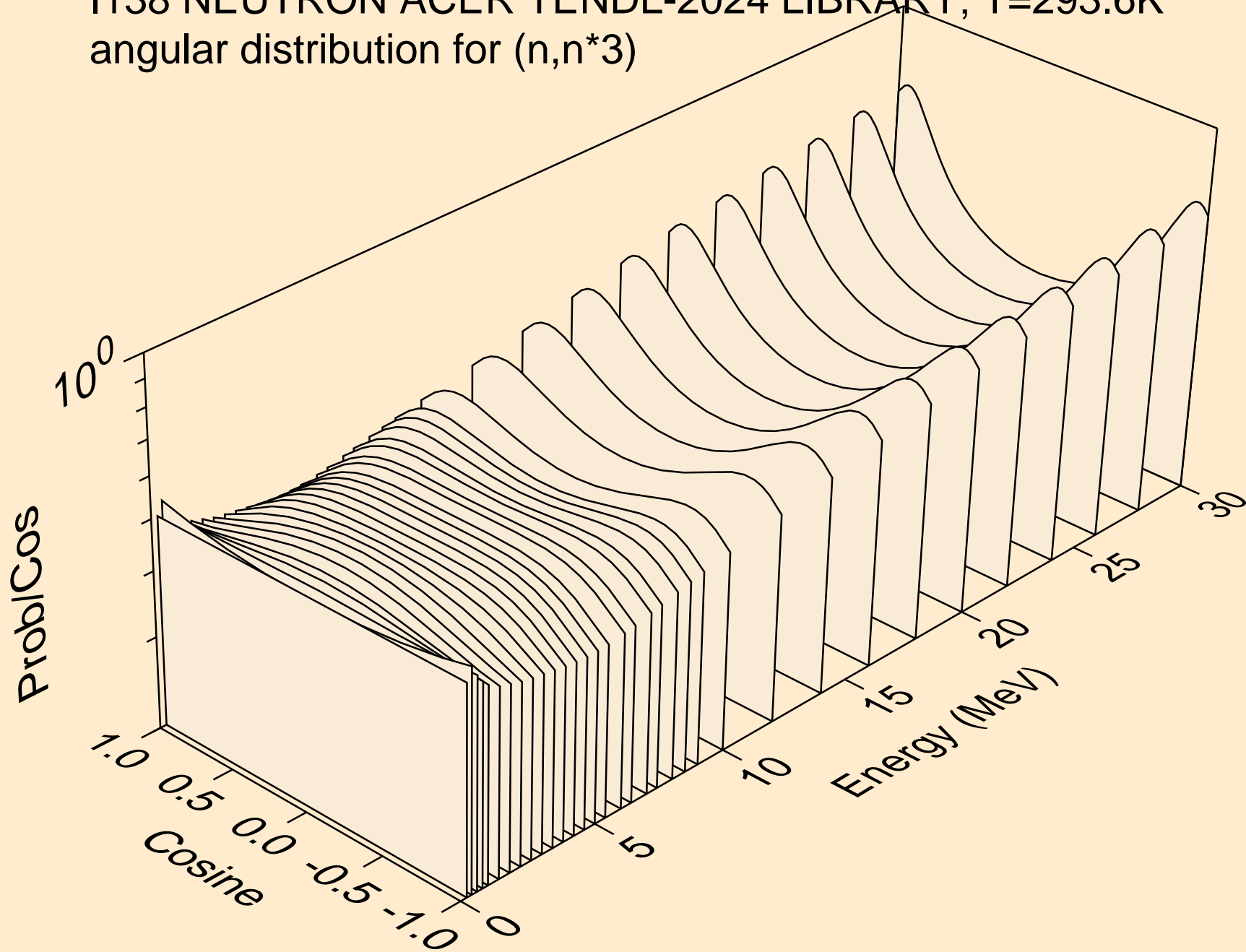
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)



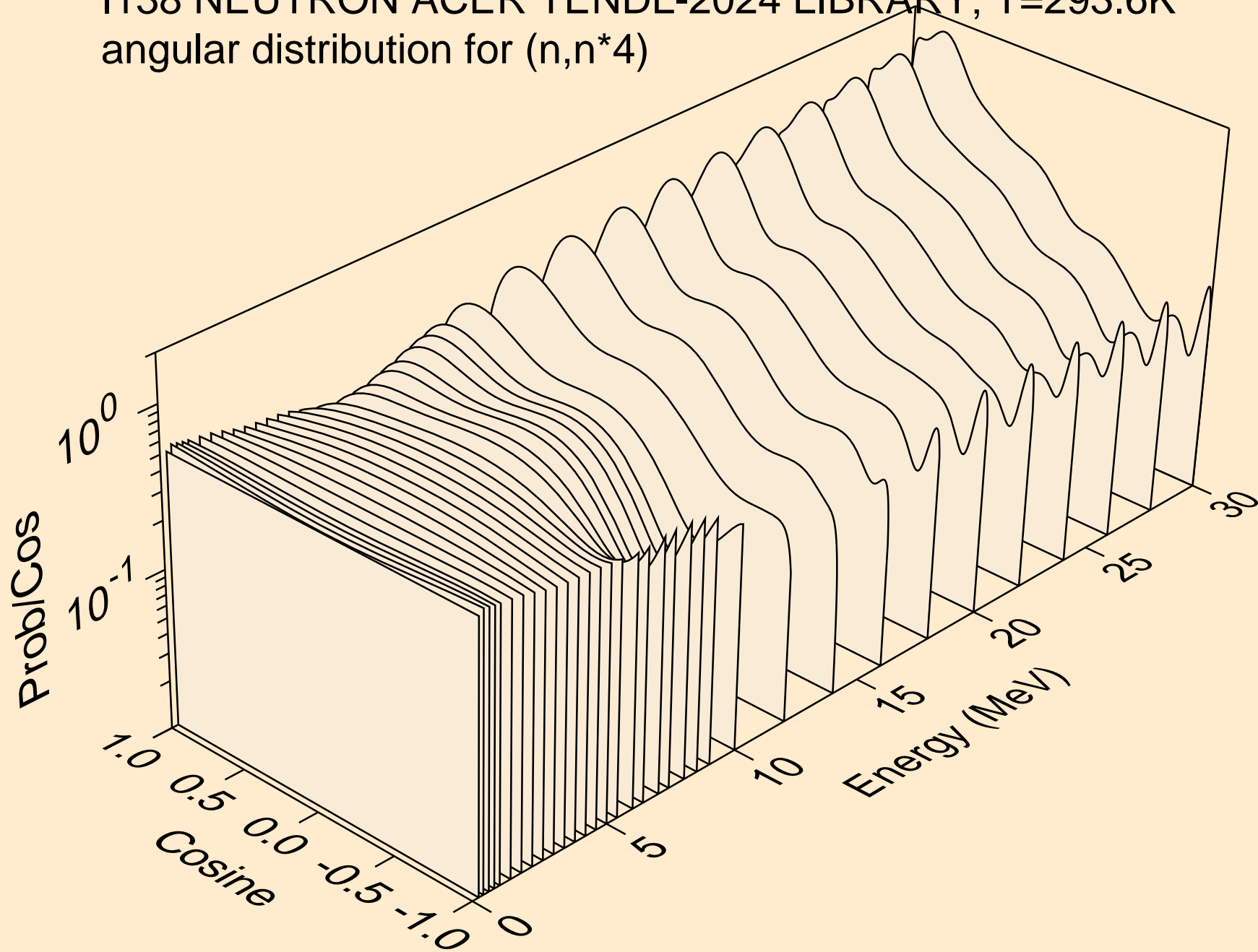
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*2)



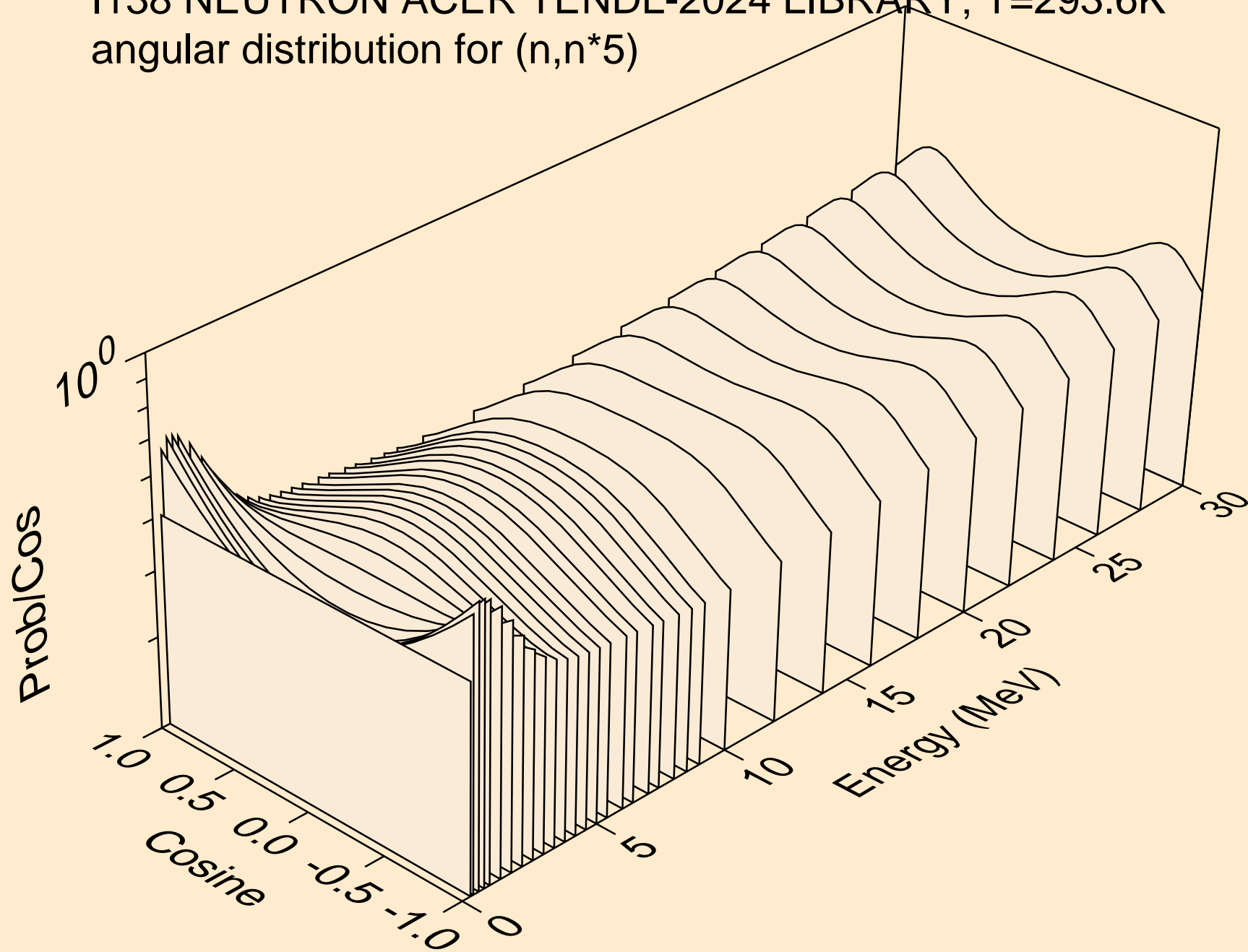
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*3)



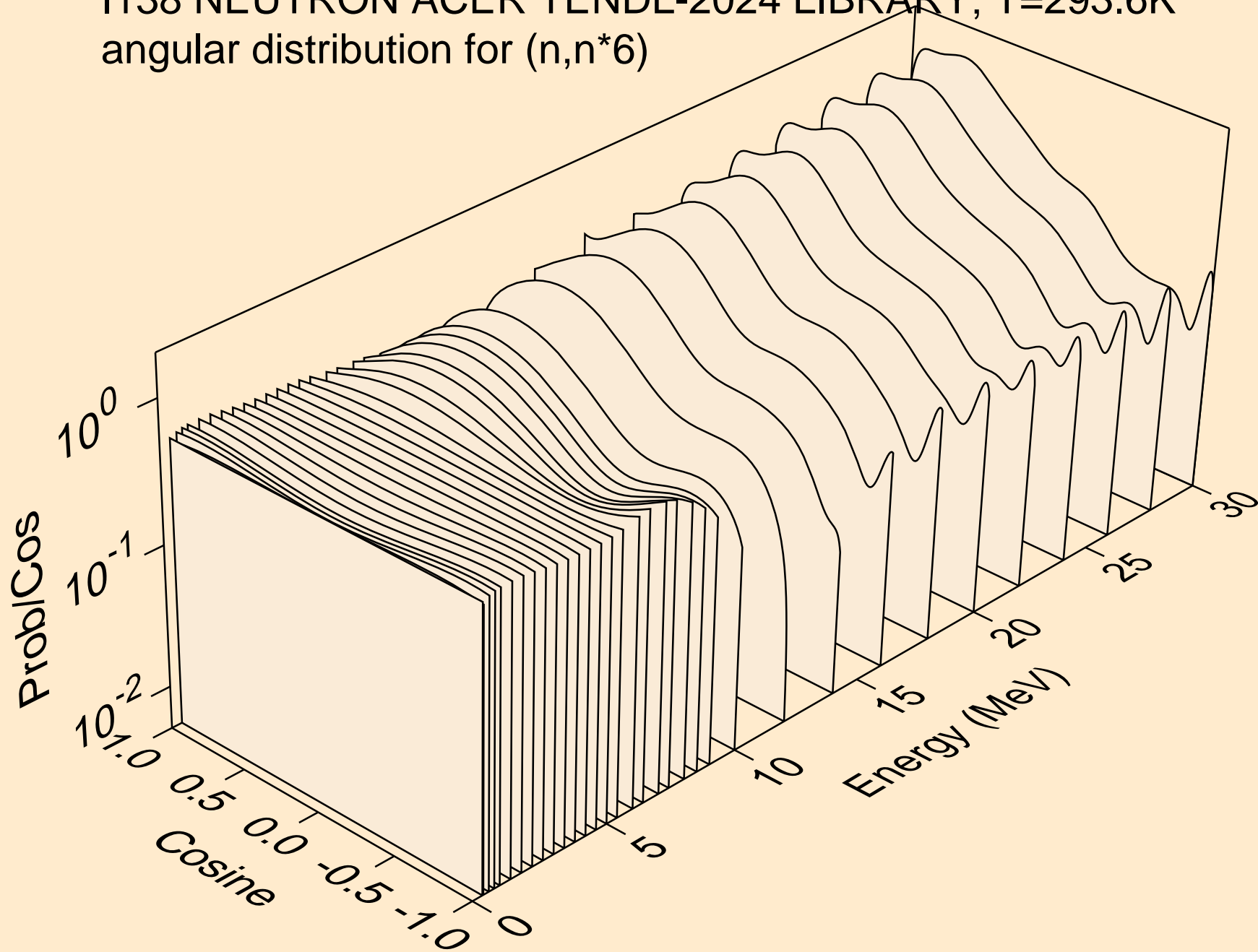
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*4)



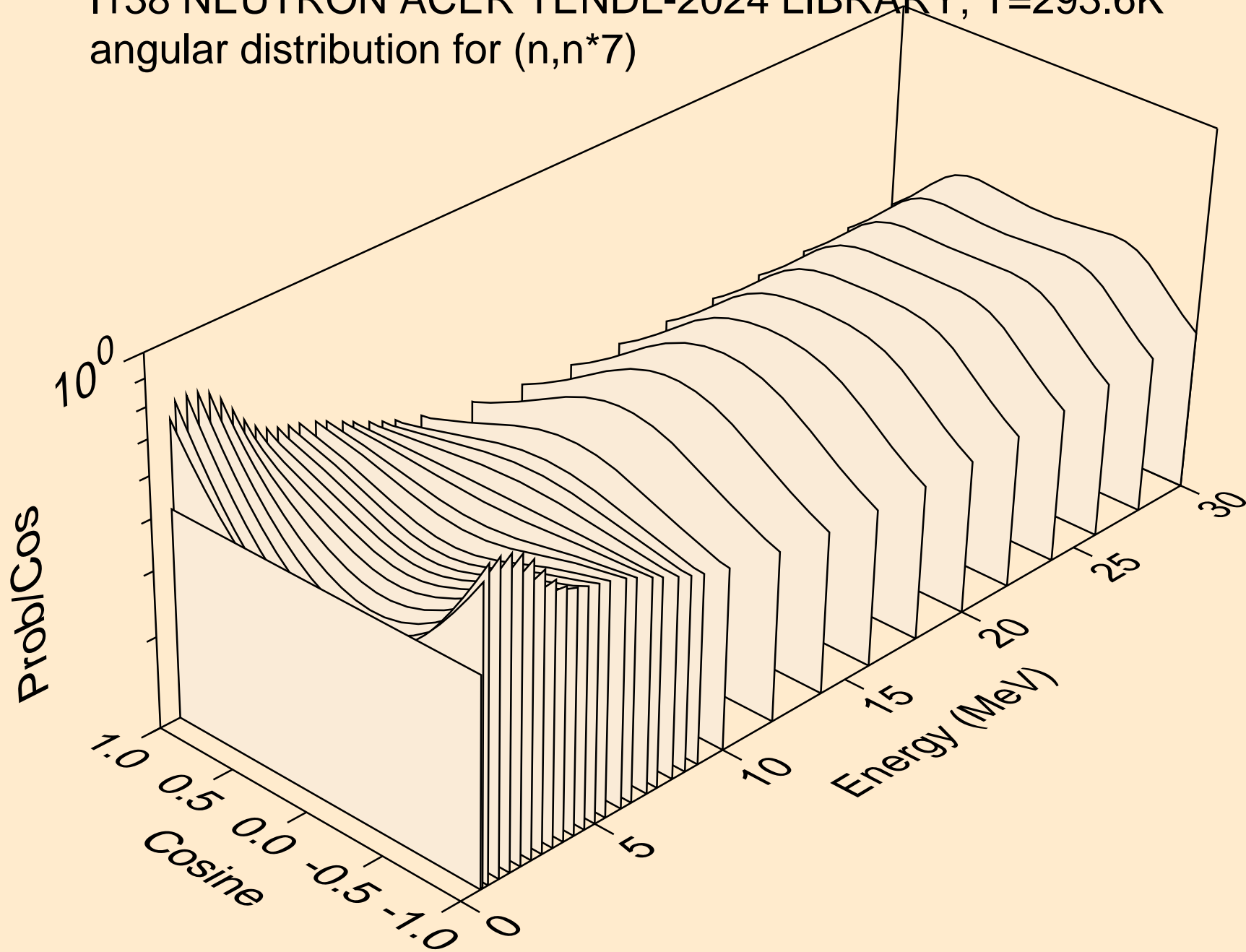
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*5)



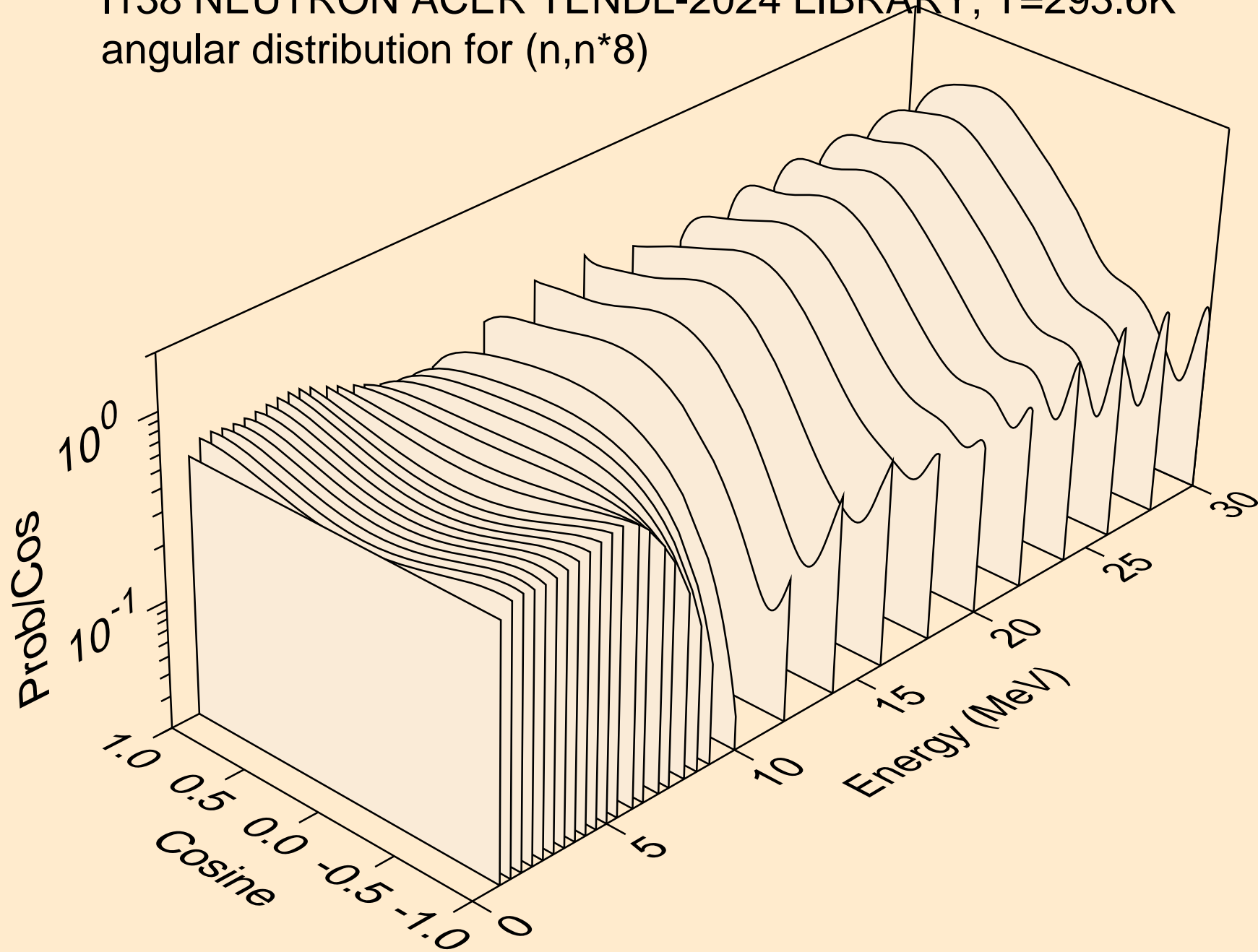
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*6)



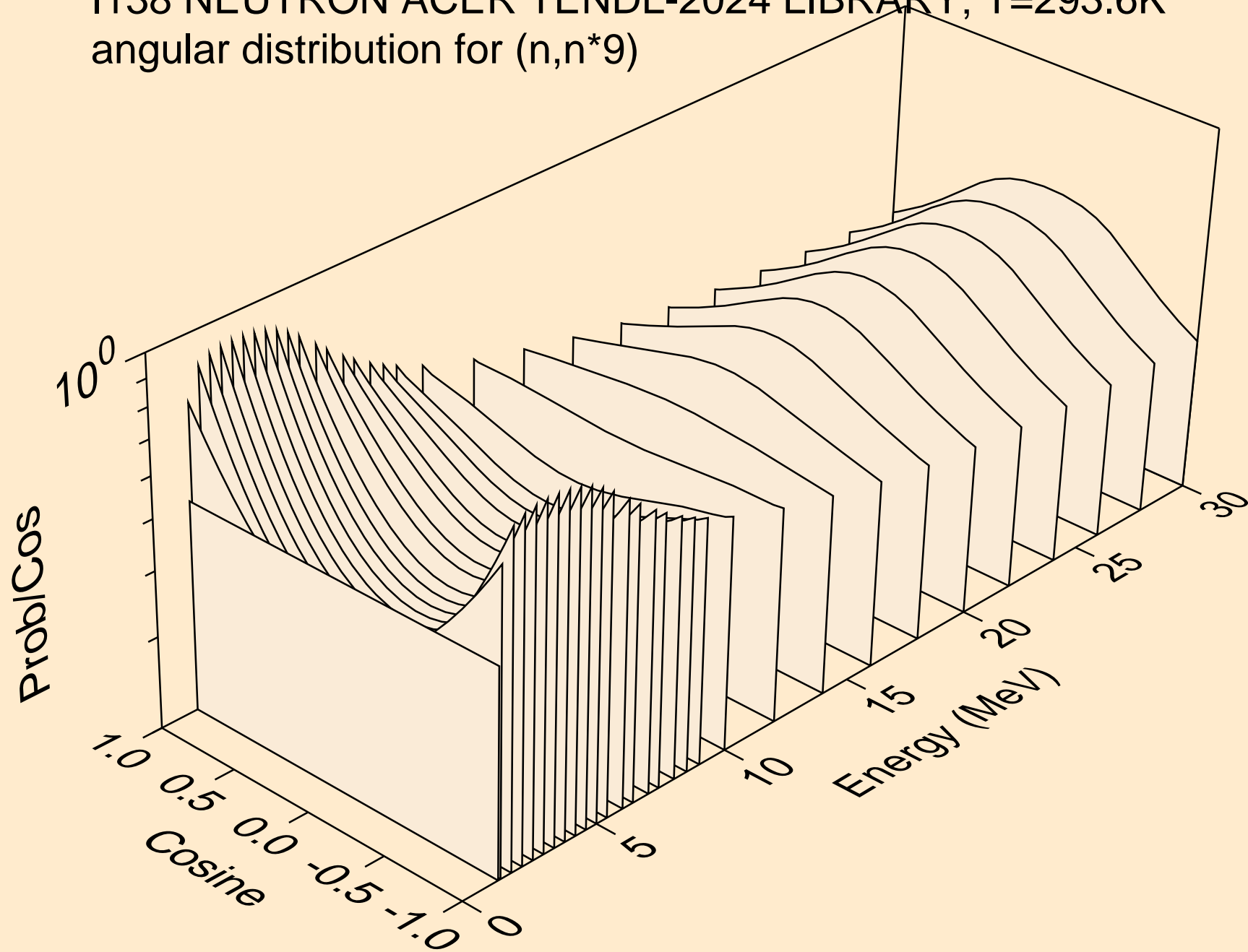
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*7)



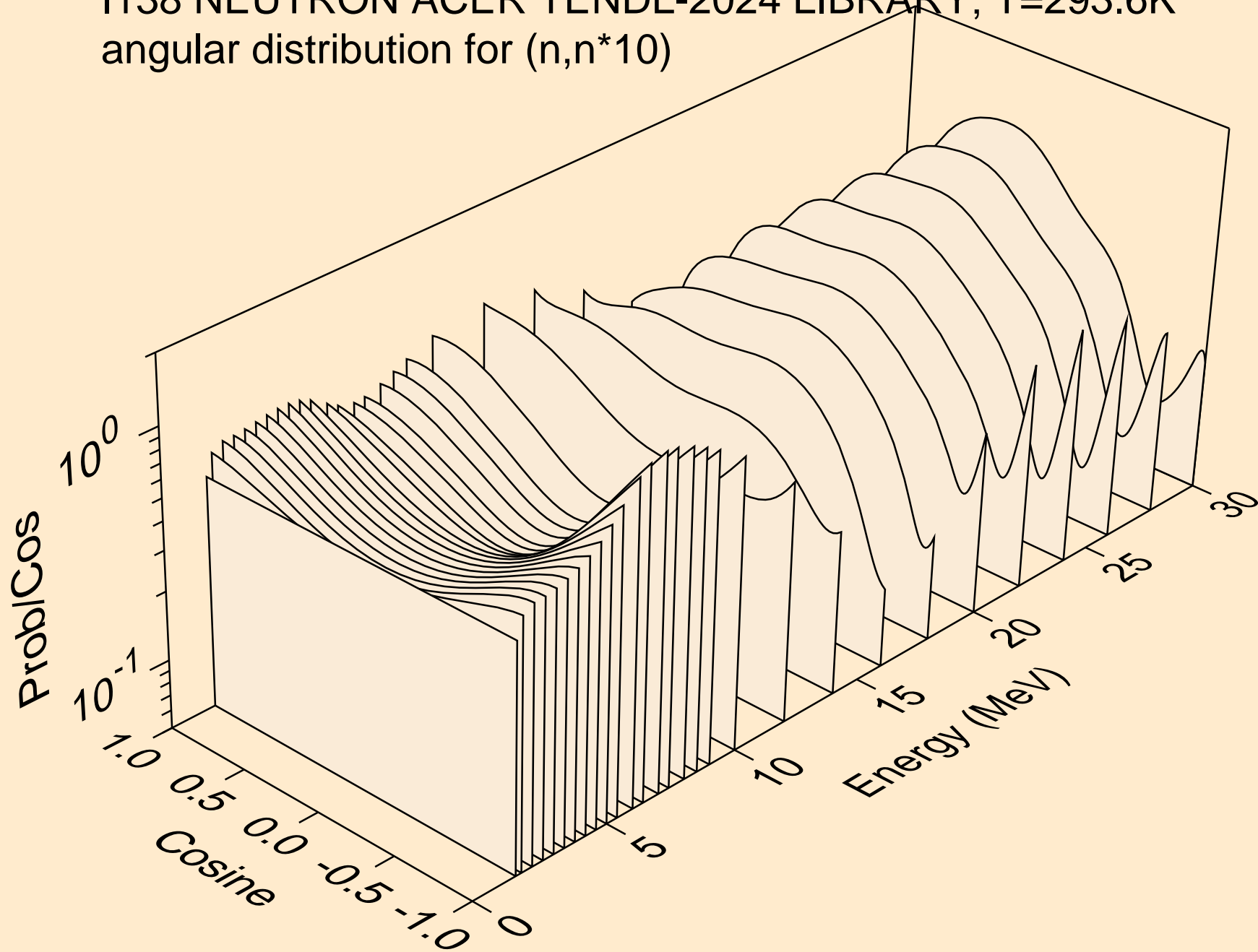
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*8)



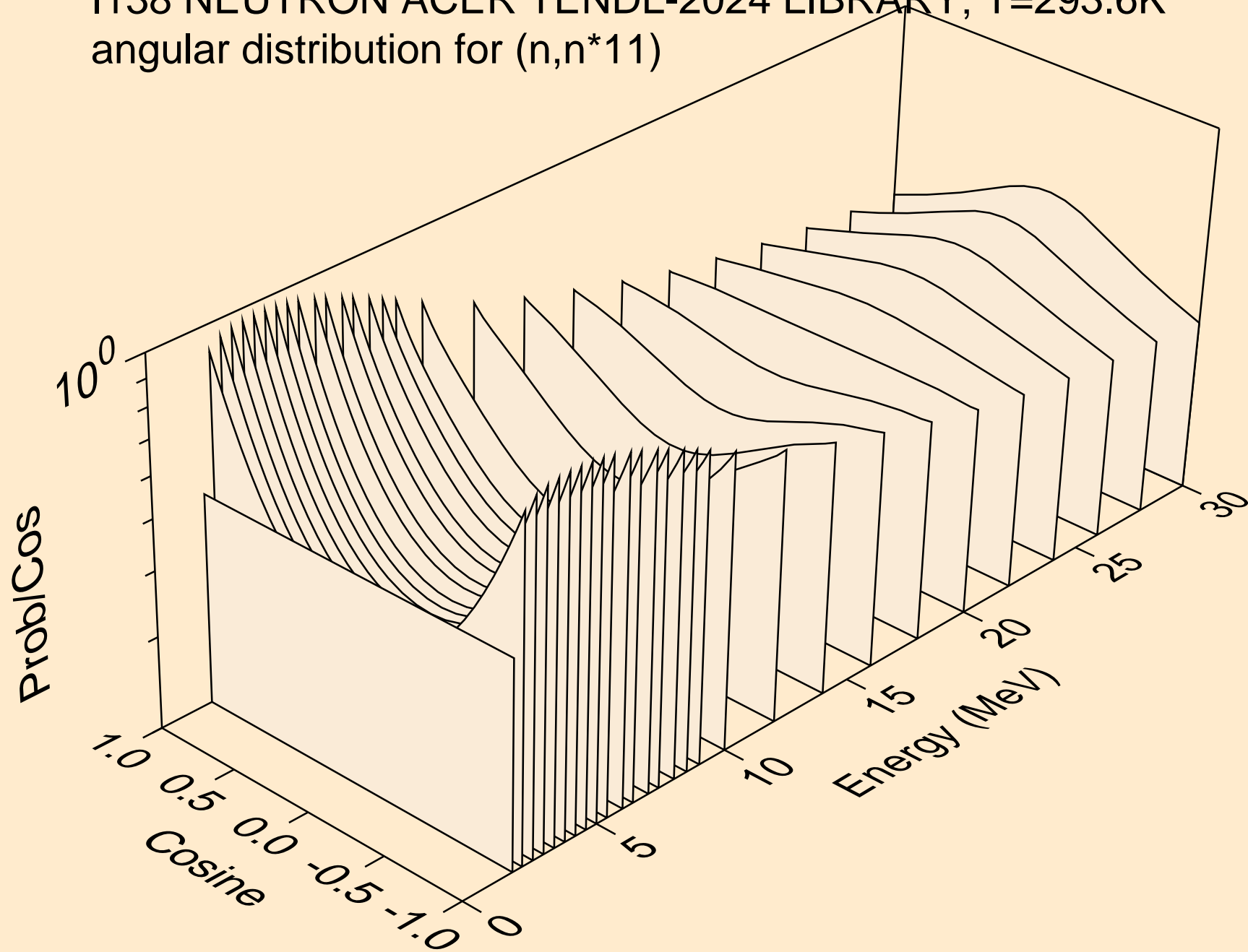
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*9)



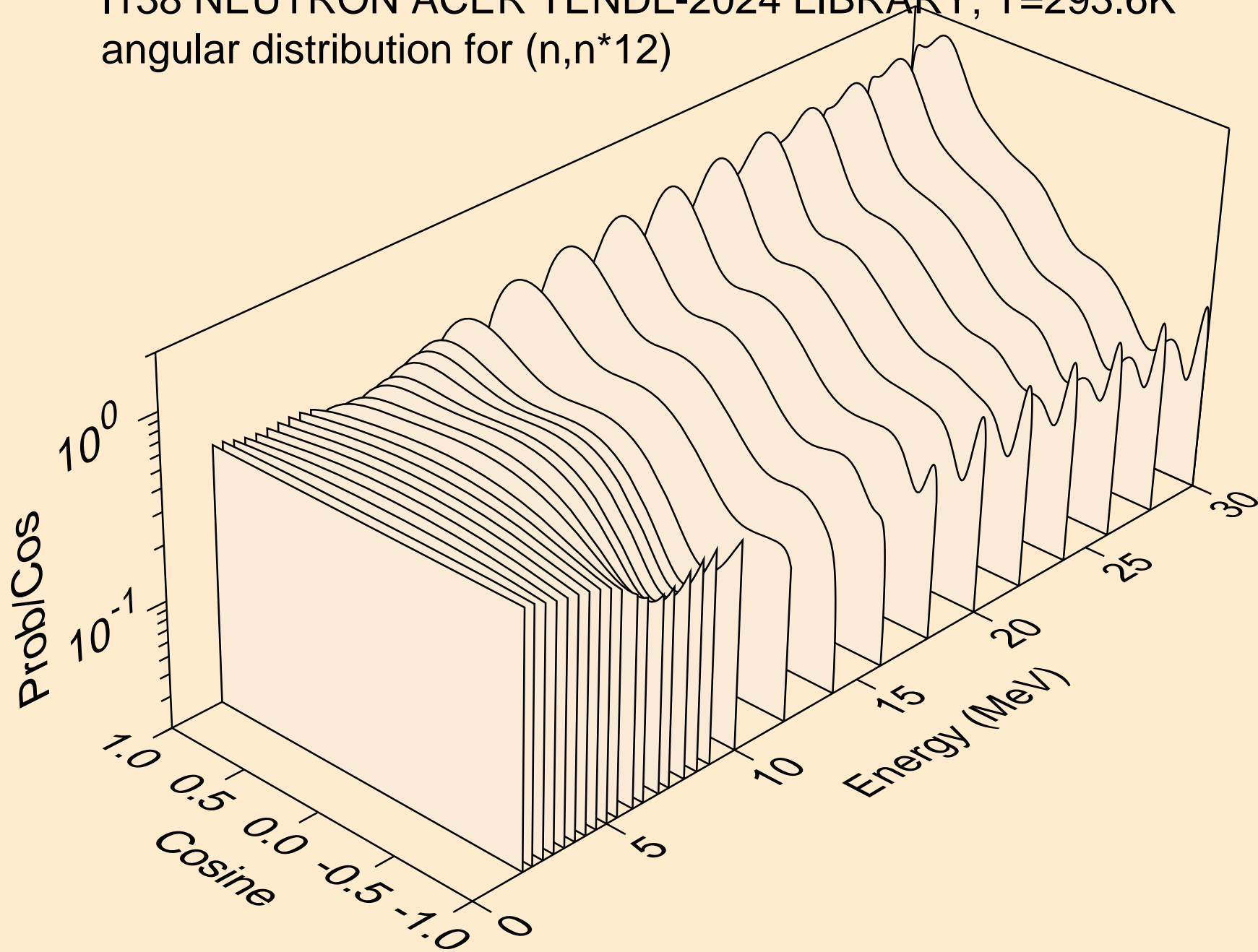
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*10)



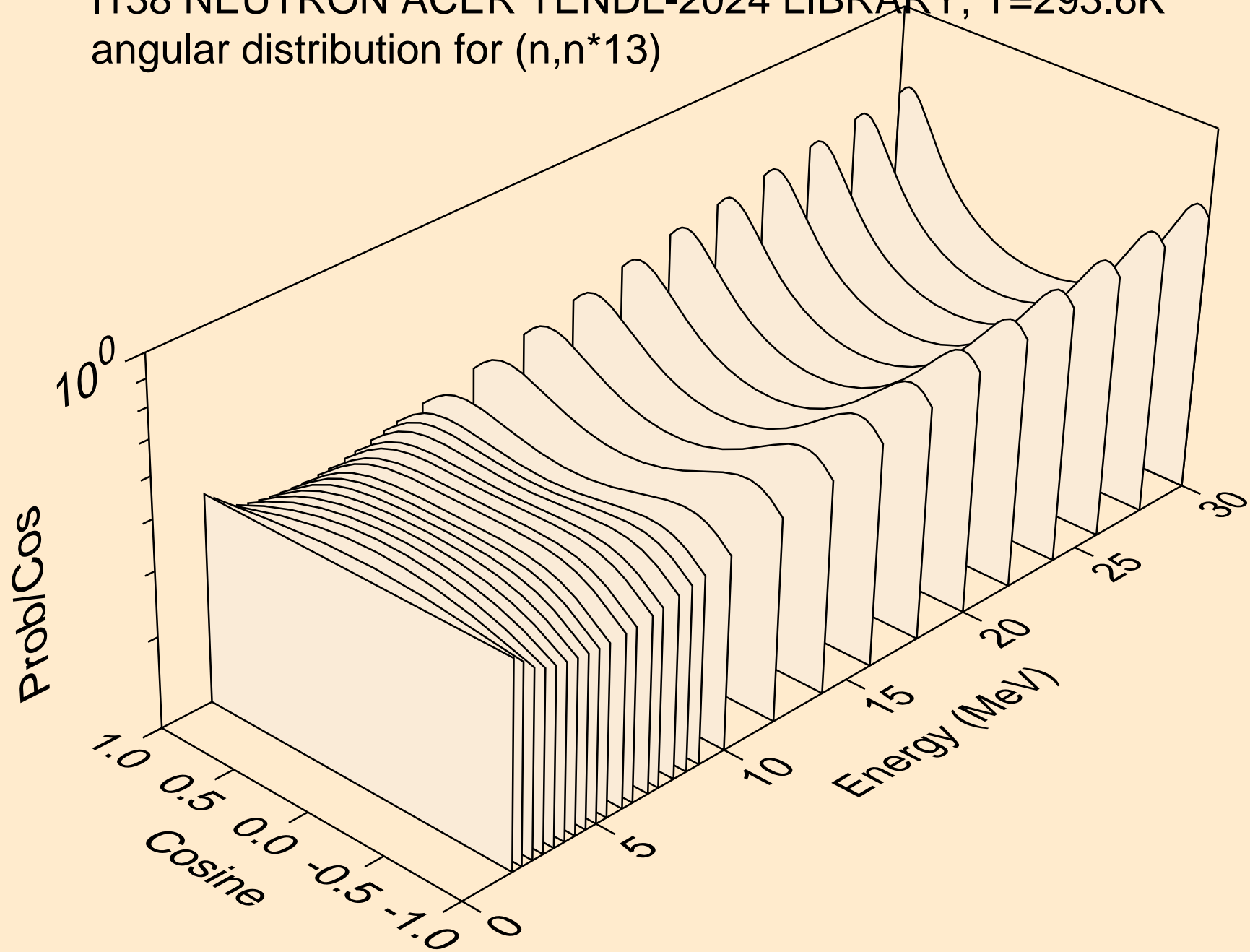
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*11)



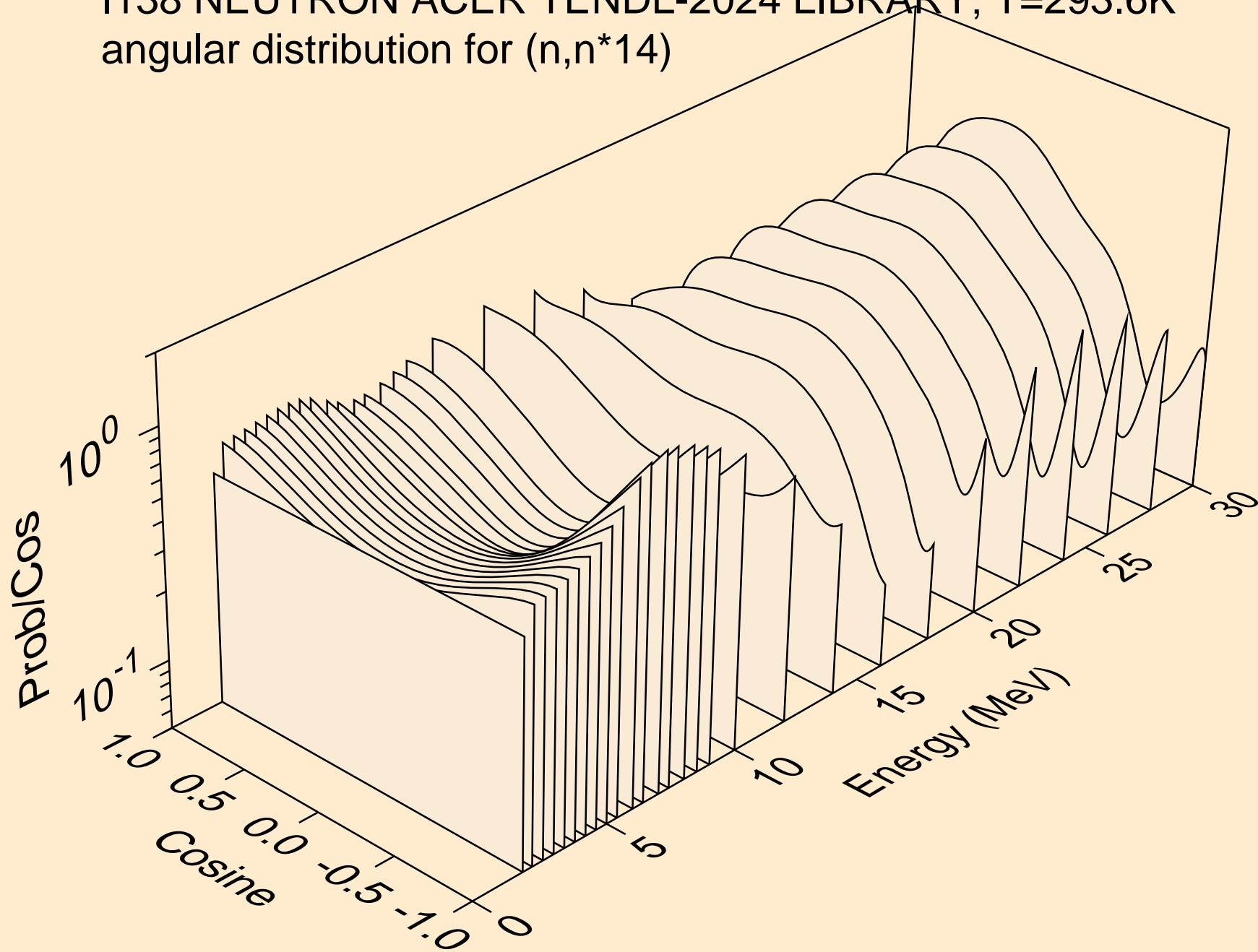
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*12)



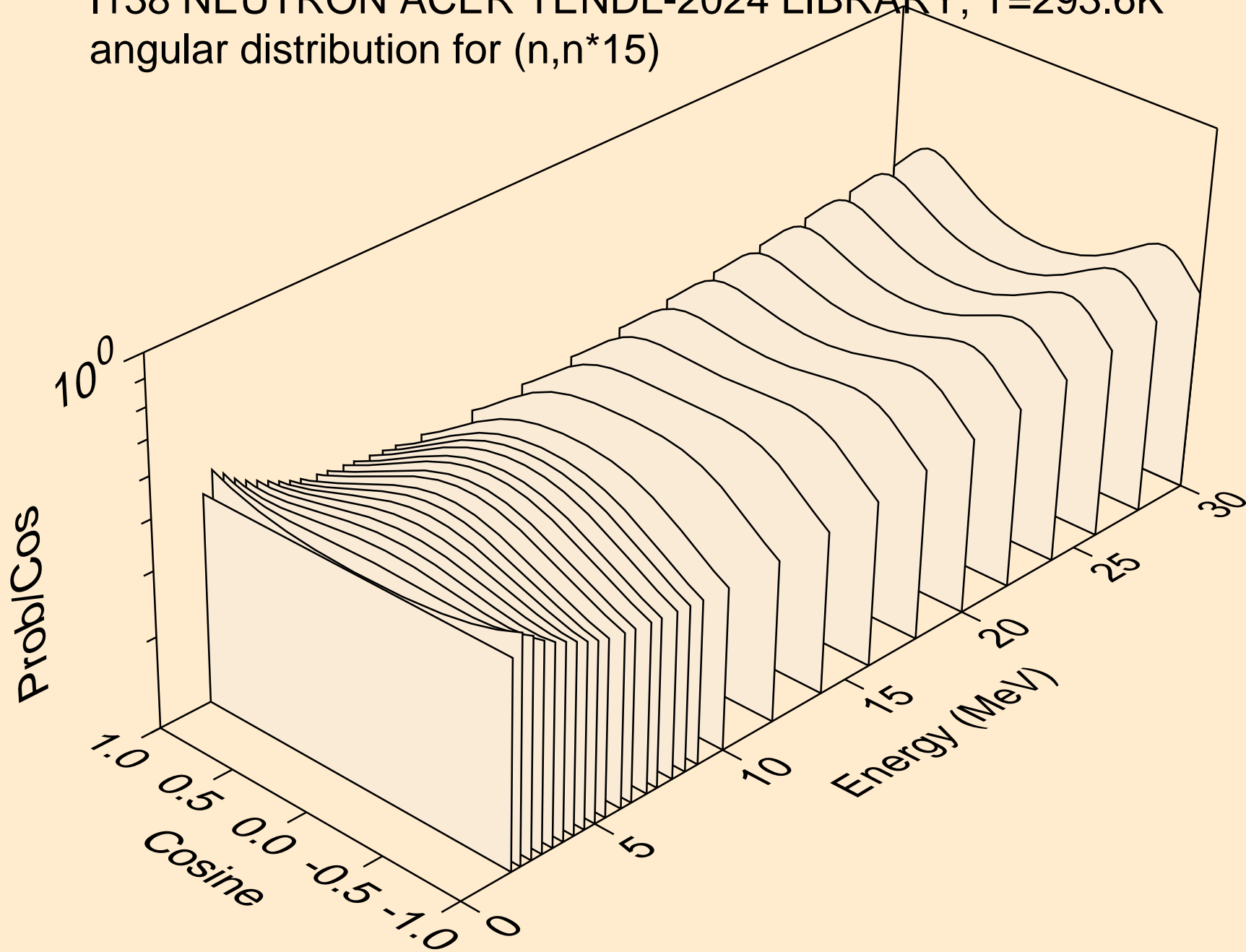
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*13)



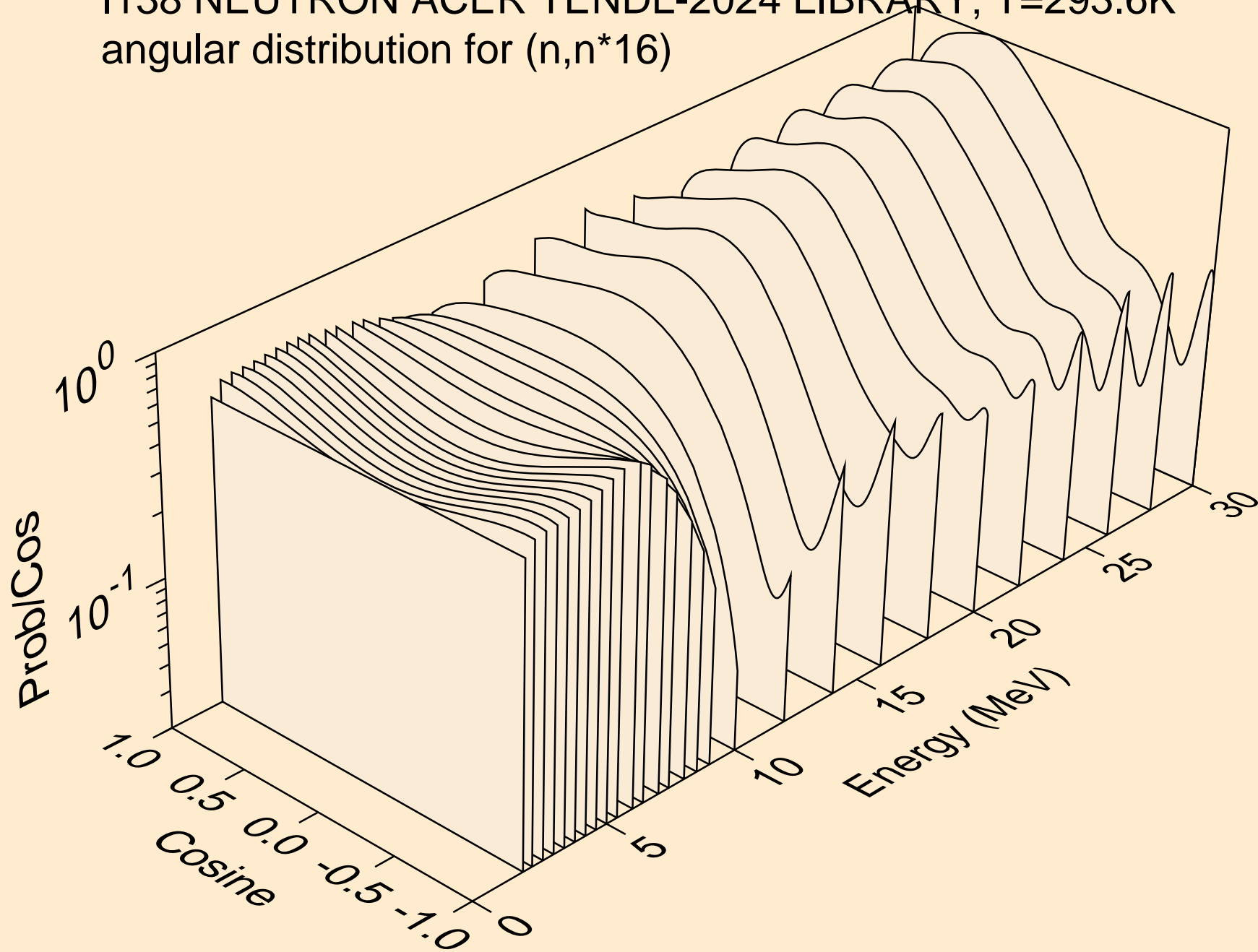
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*14)



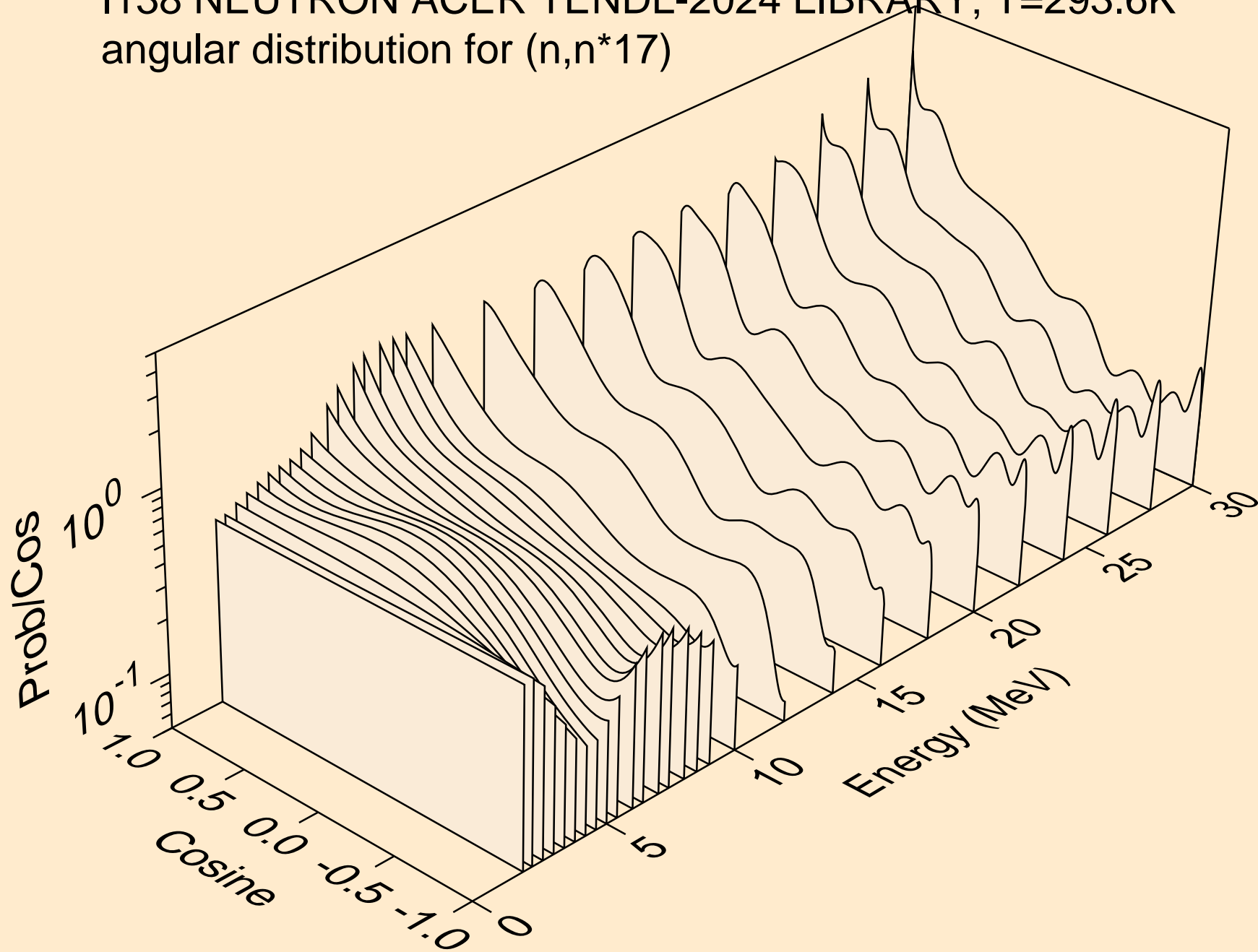
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*15)



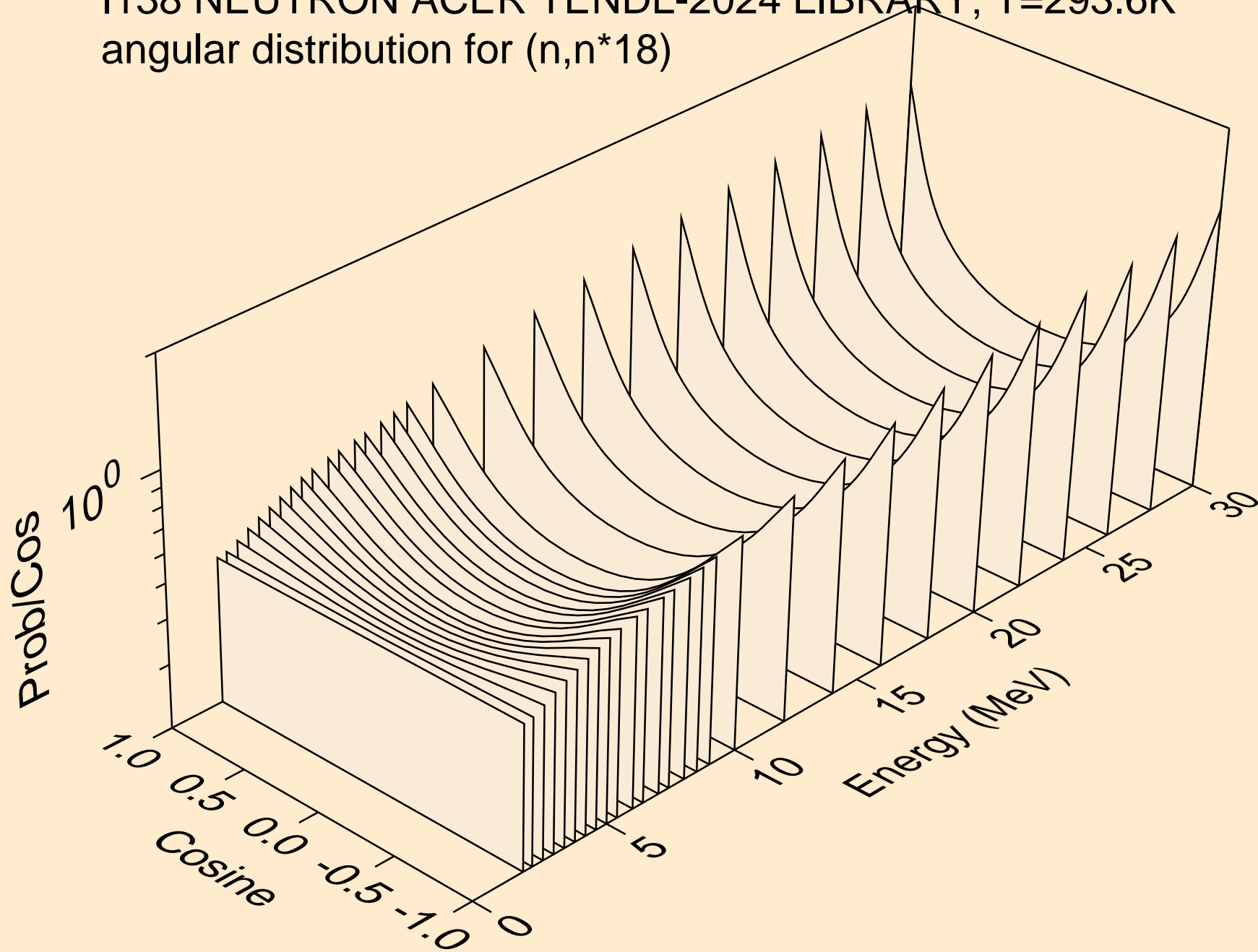
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*16)



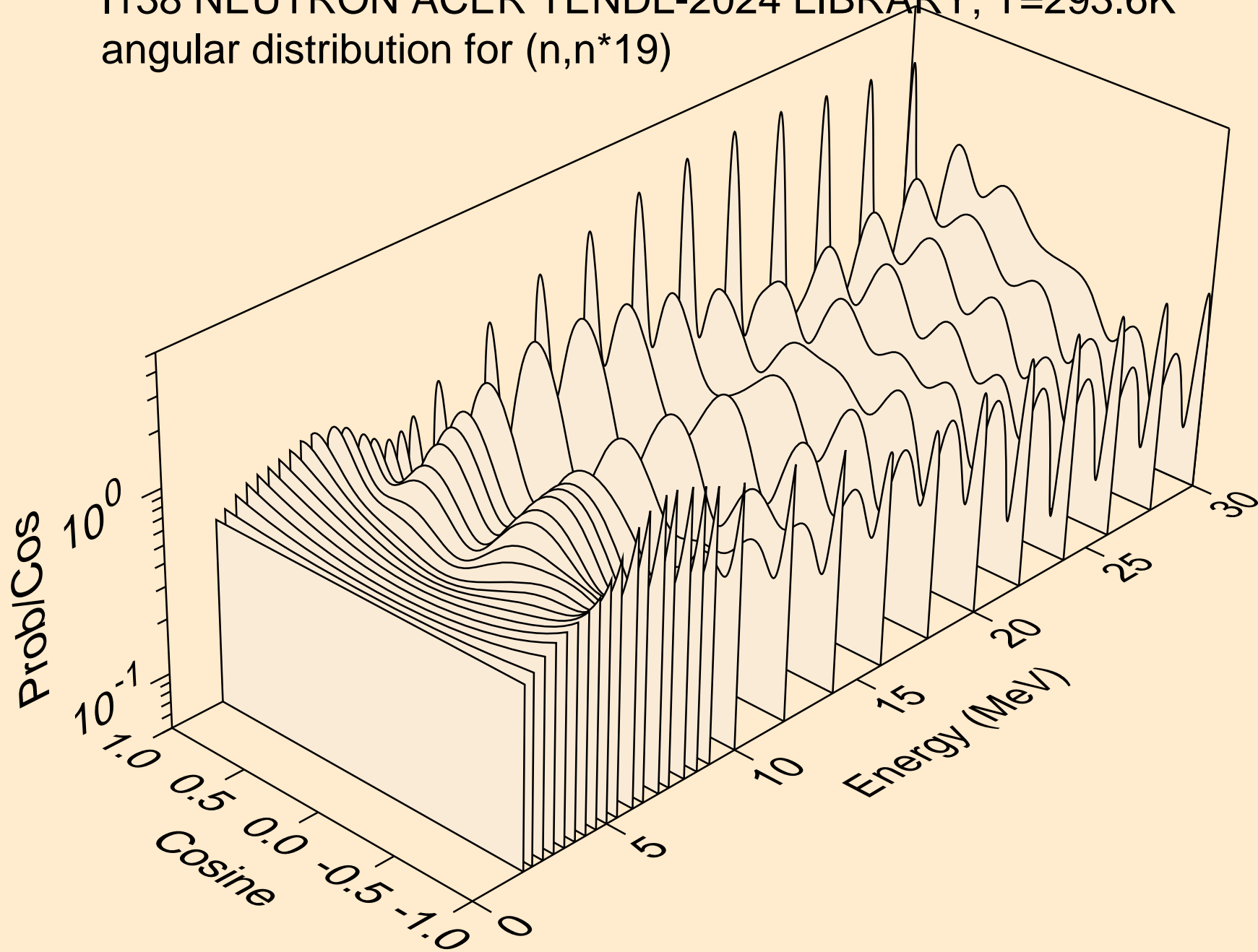
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angular distribution for (n,n*17)



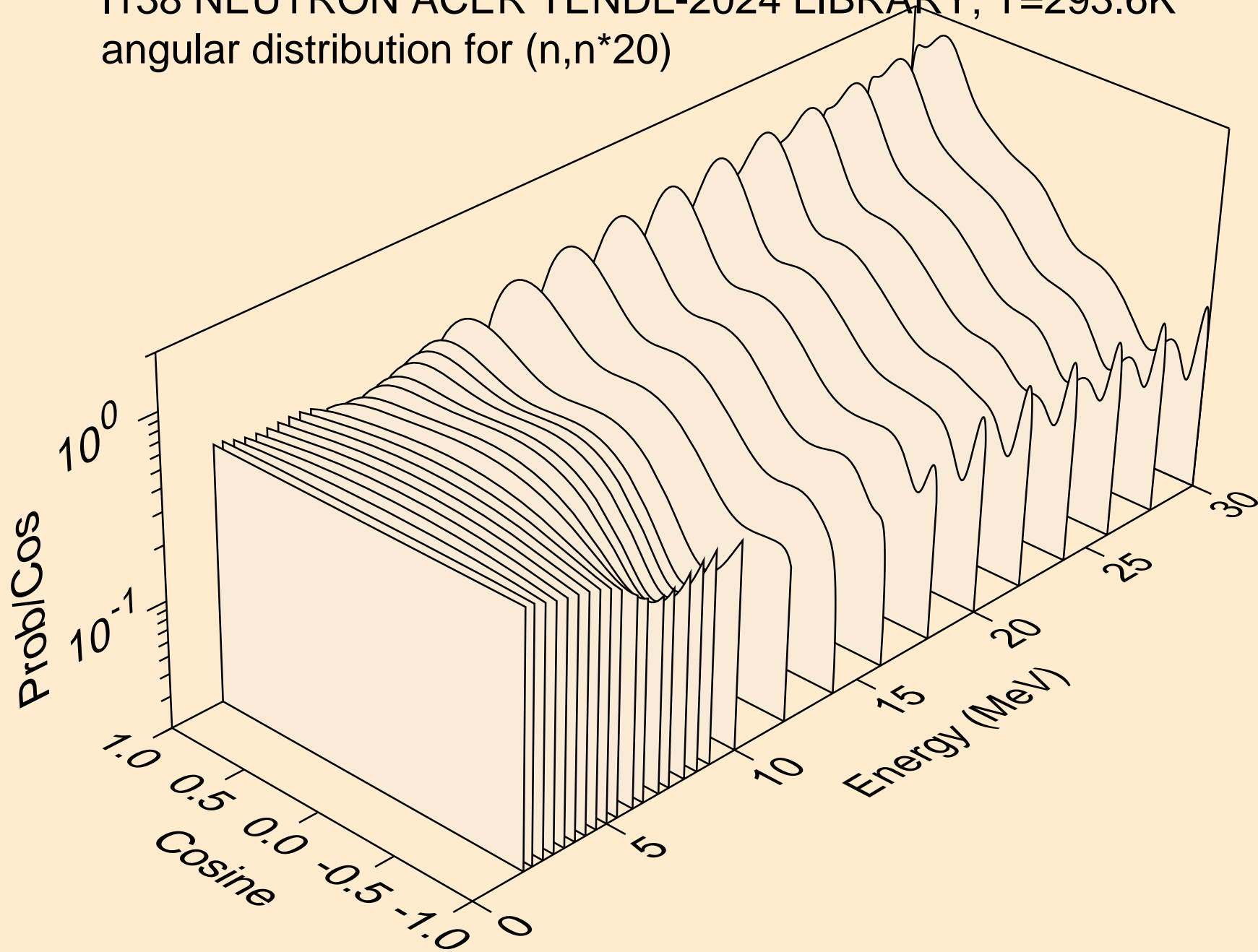
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*18)



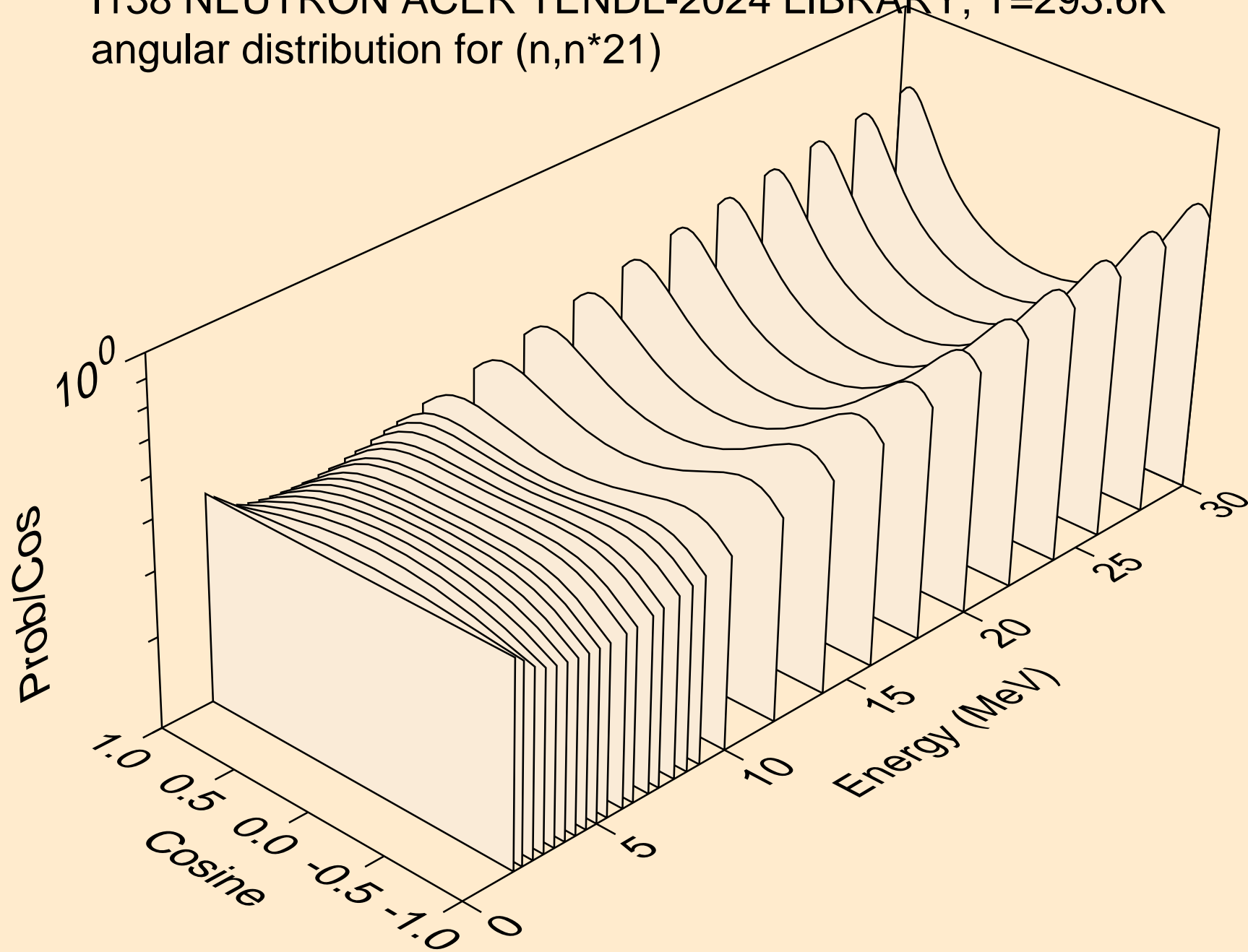
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angular distribution for (n,n*19)



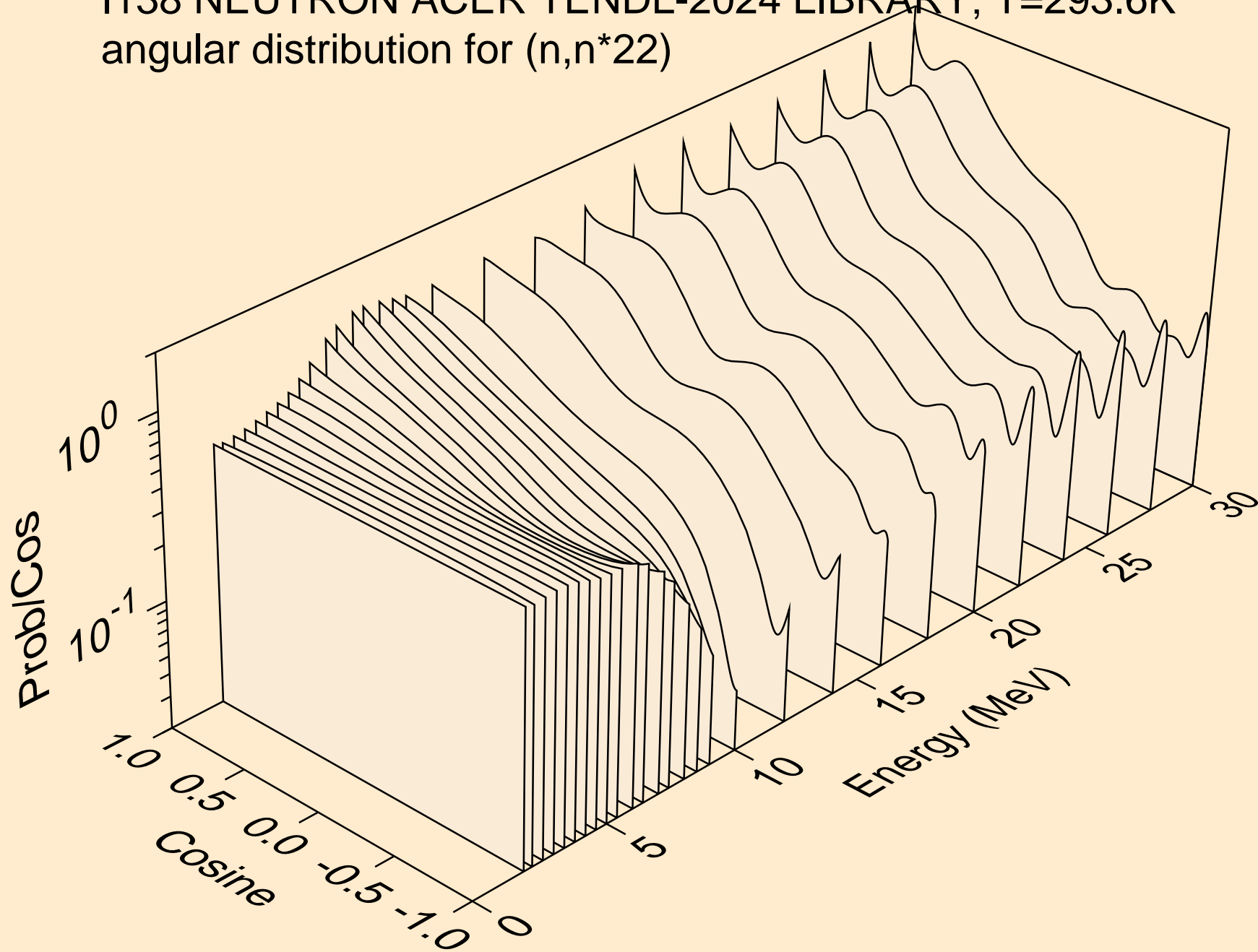
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*20)



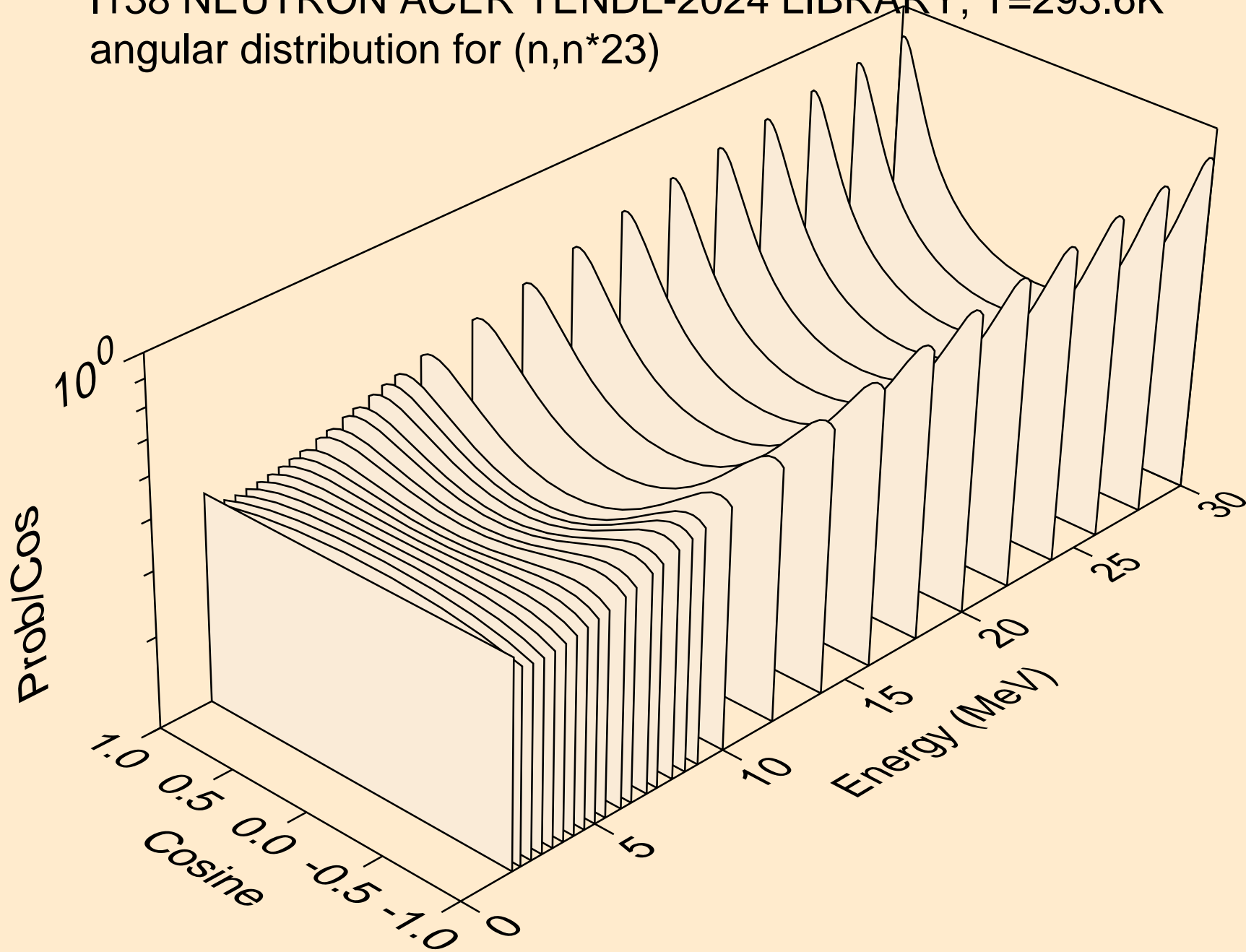
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angular distribution for (n,n*21)



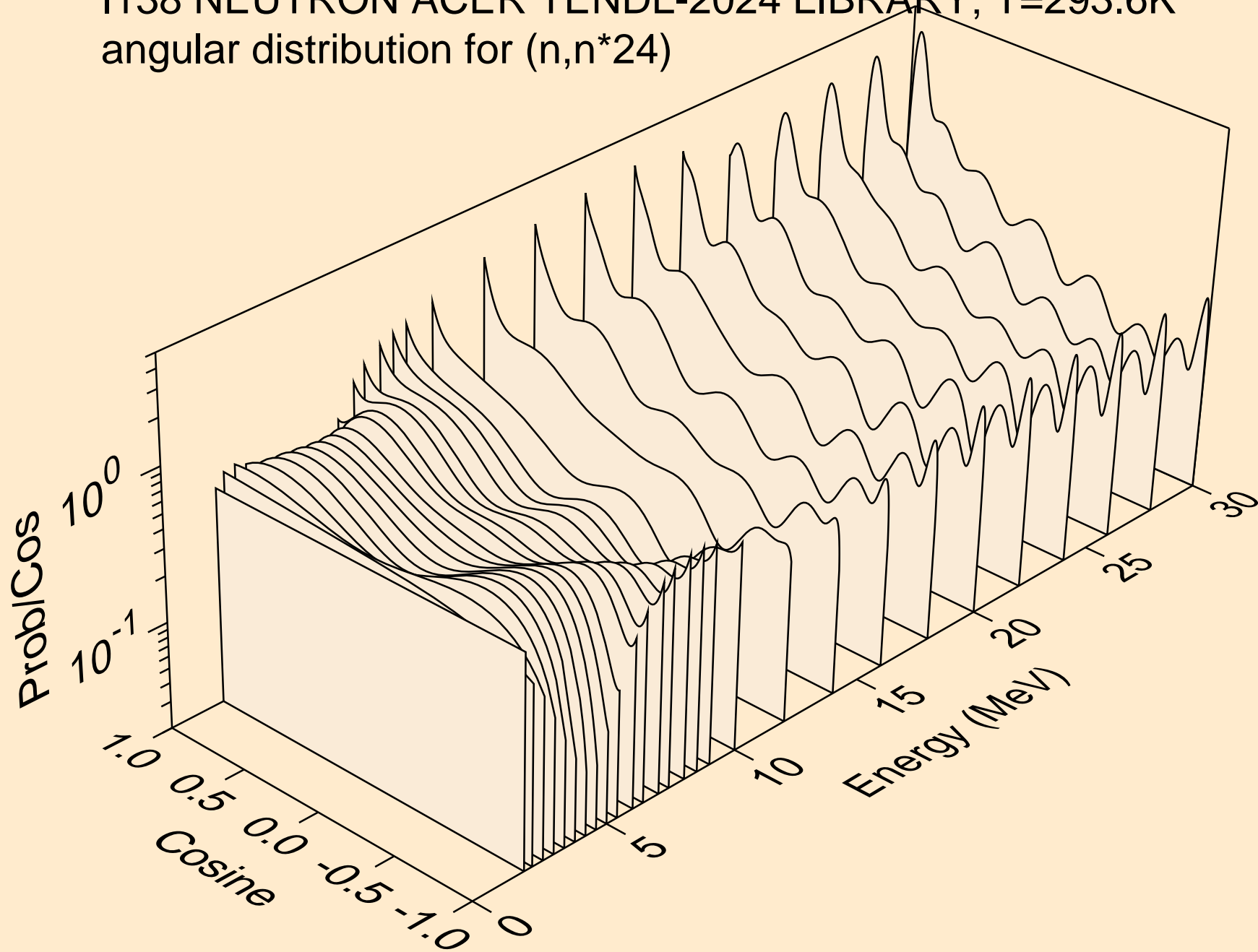
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angular distribution for (n,n*22)



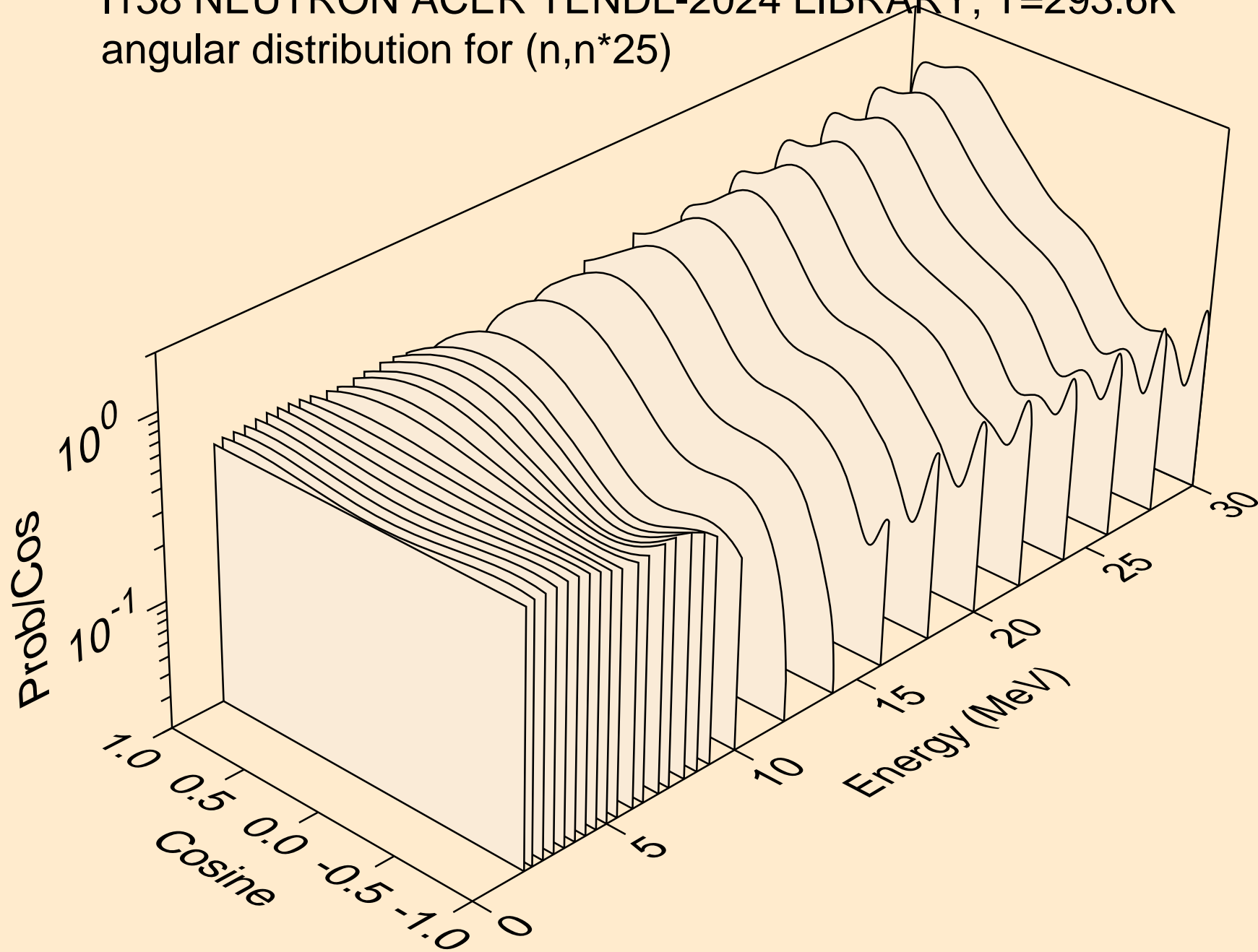
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angular distribution for (n,n*23)



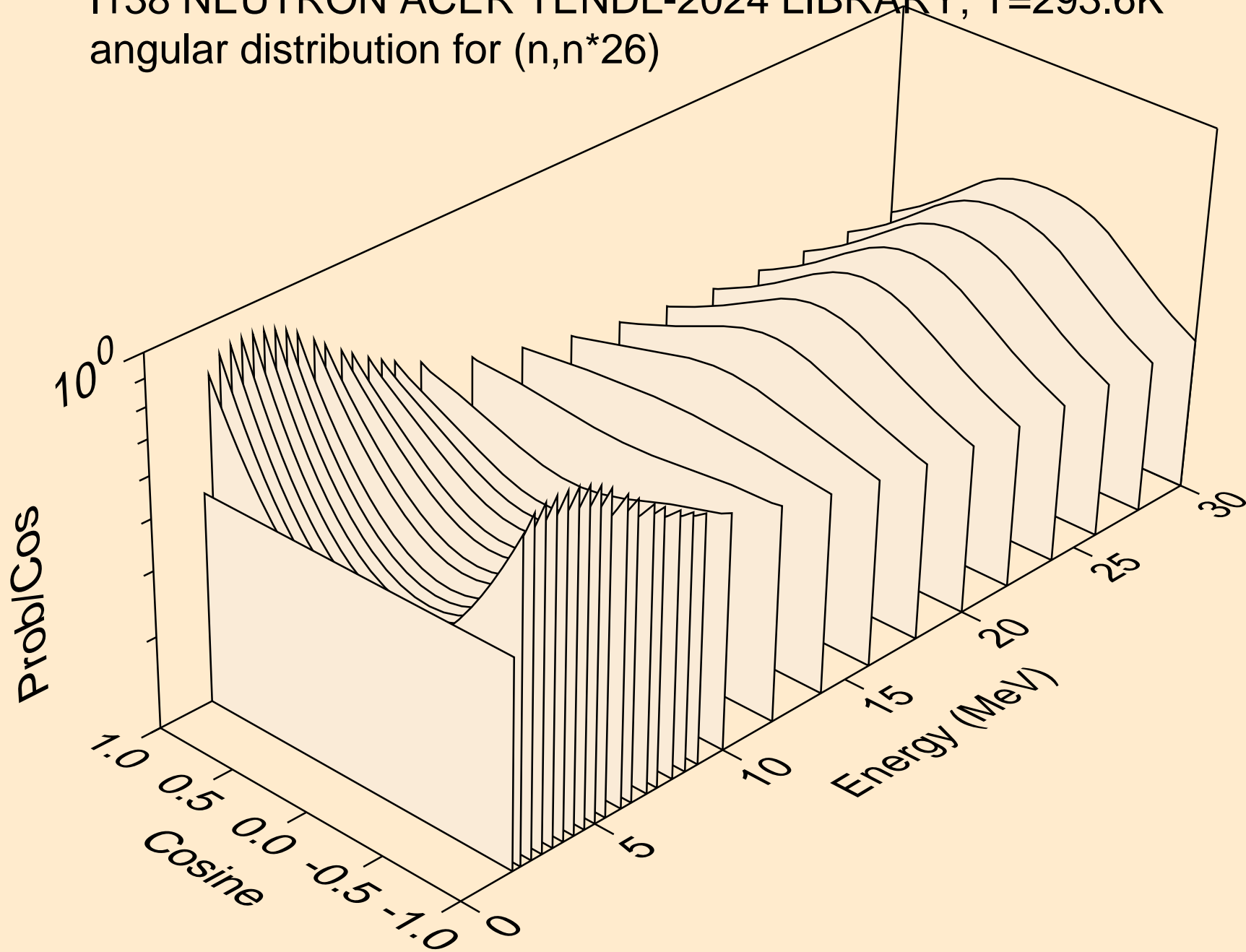
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*24)



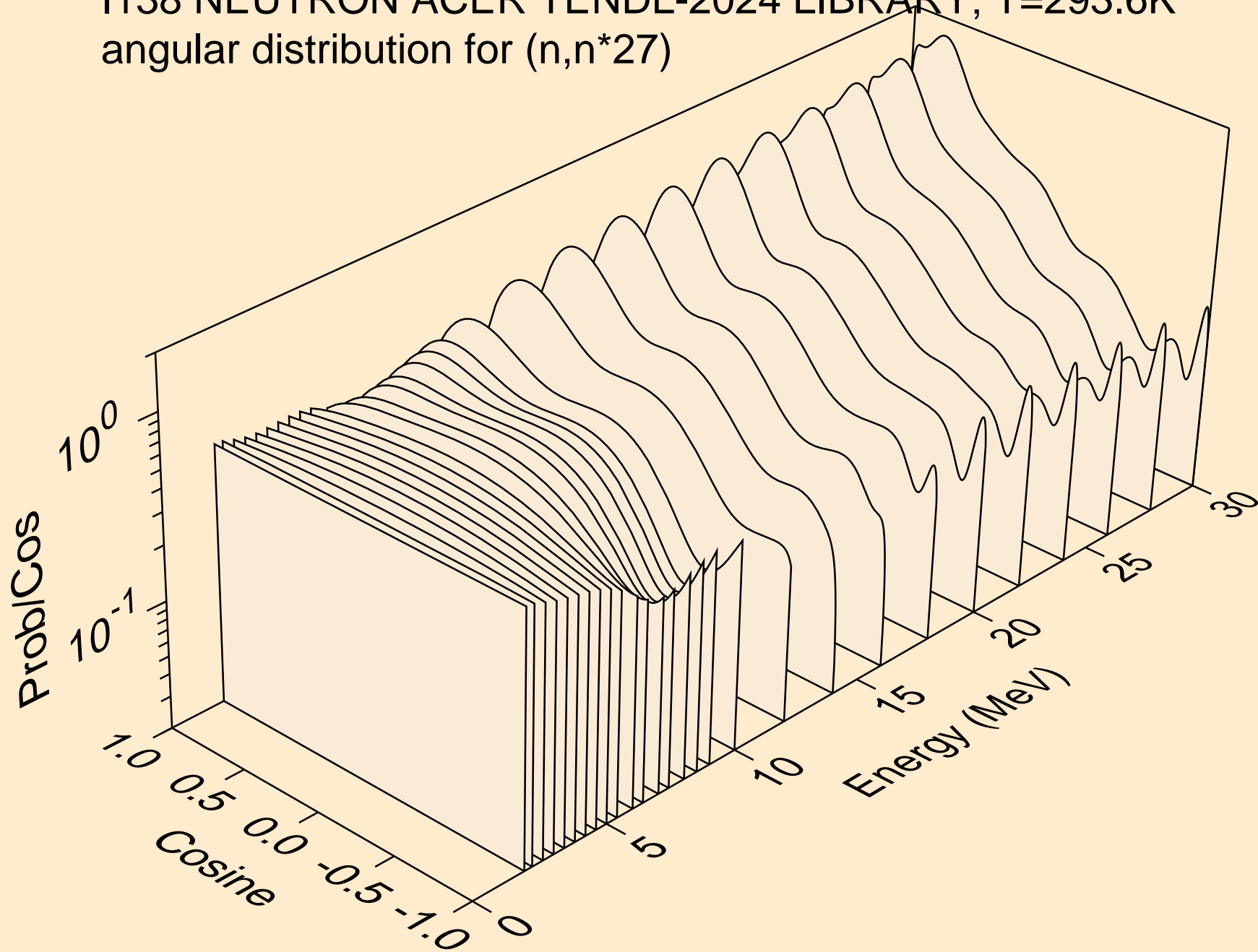
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*25)



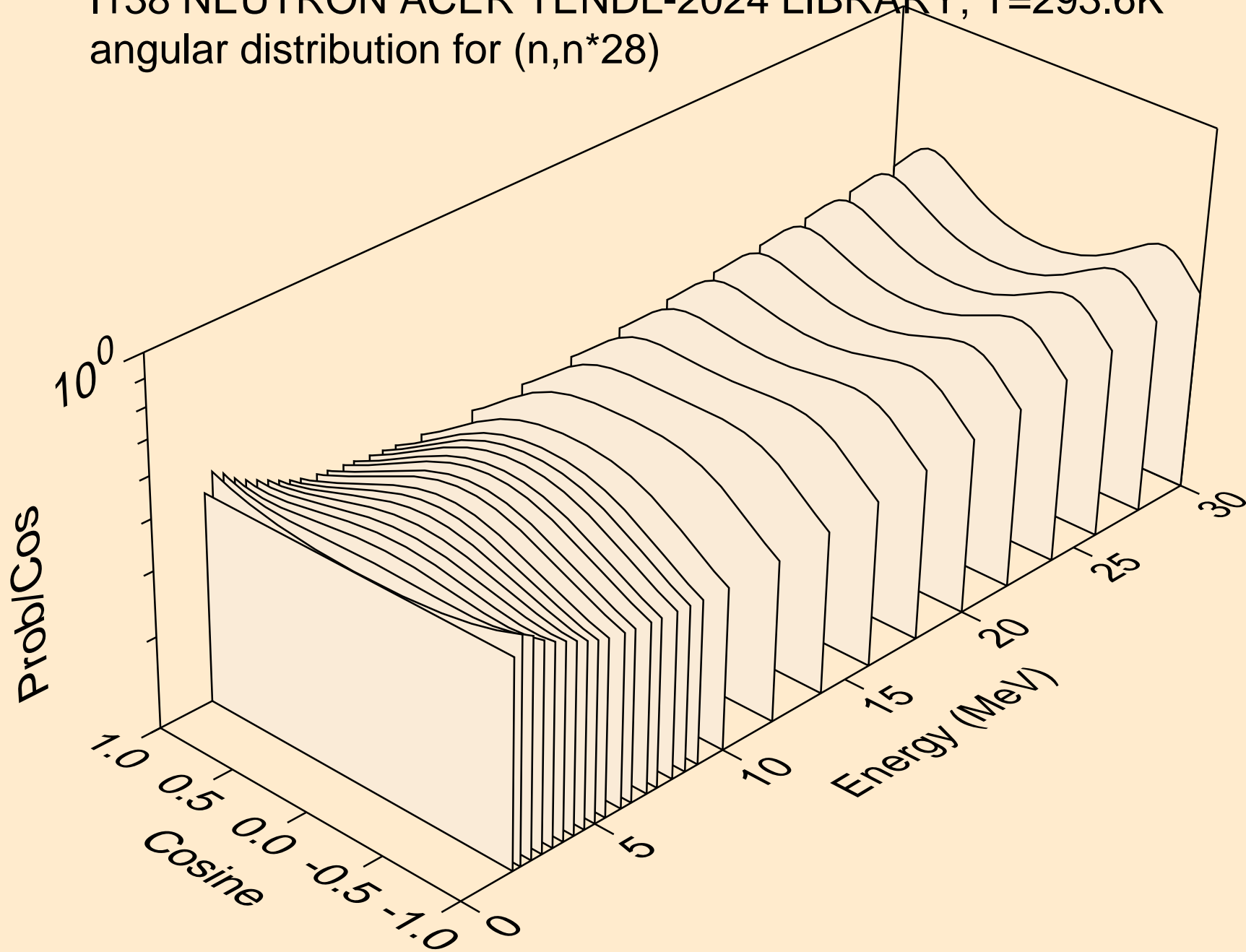
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*26)



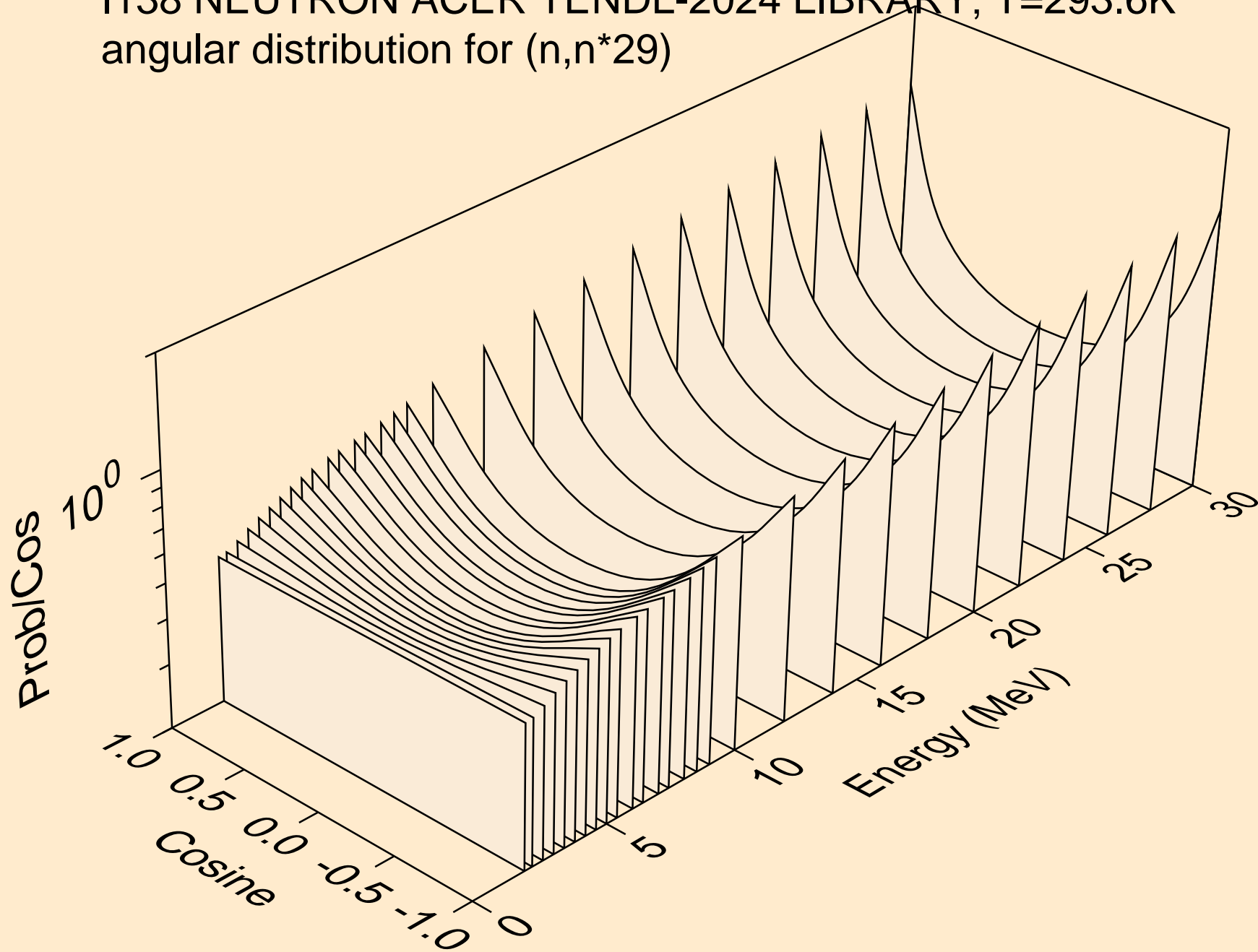
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*27)



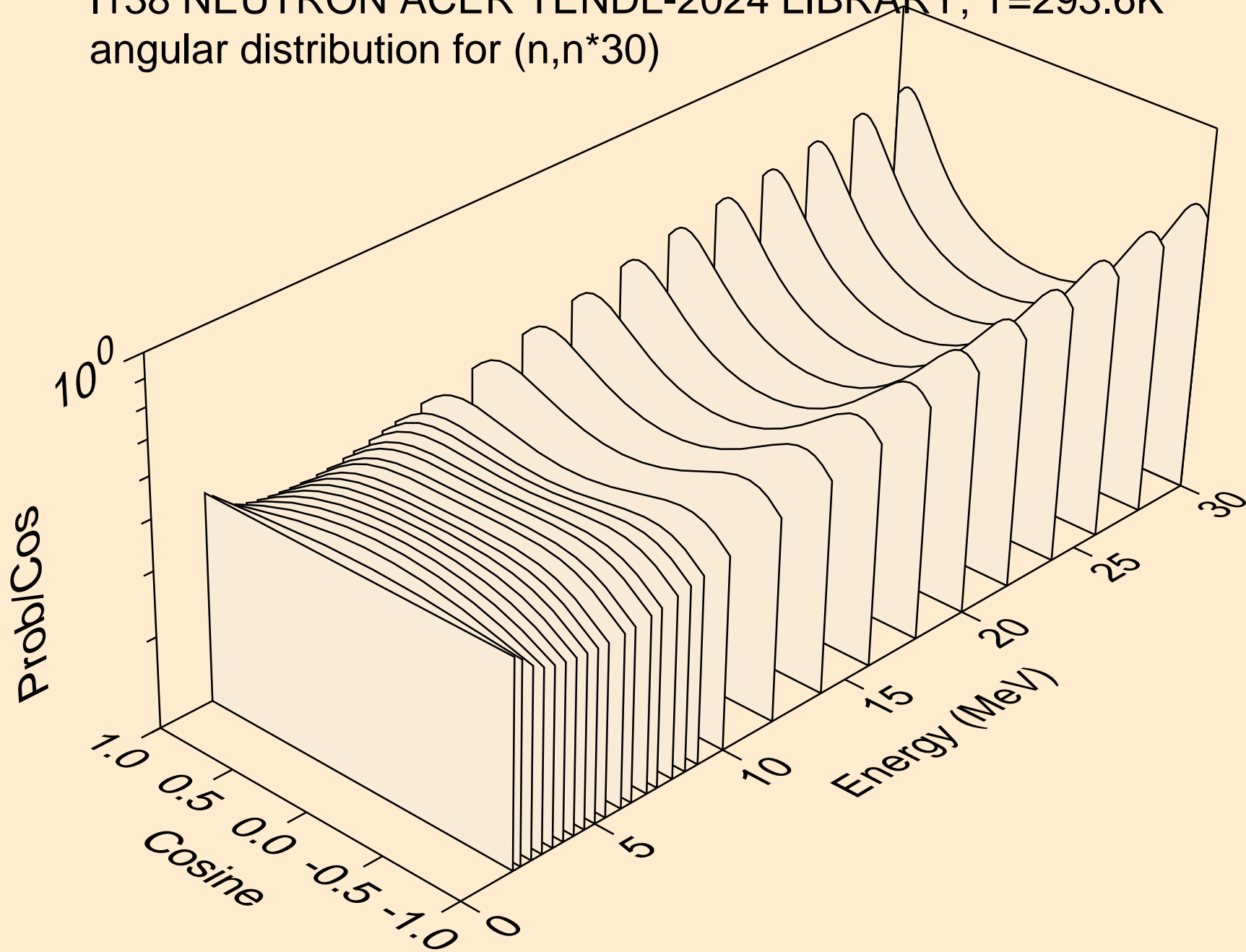
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*28)



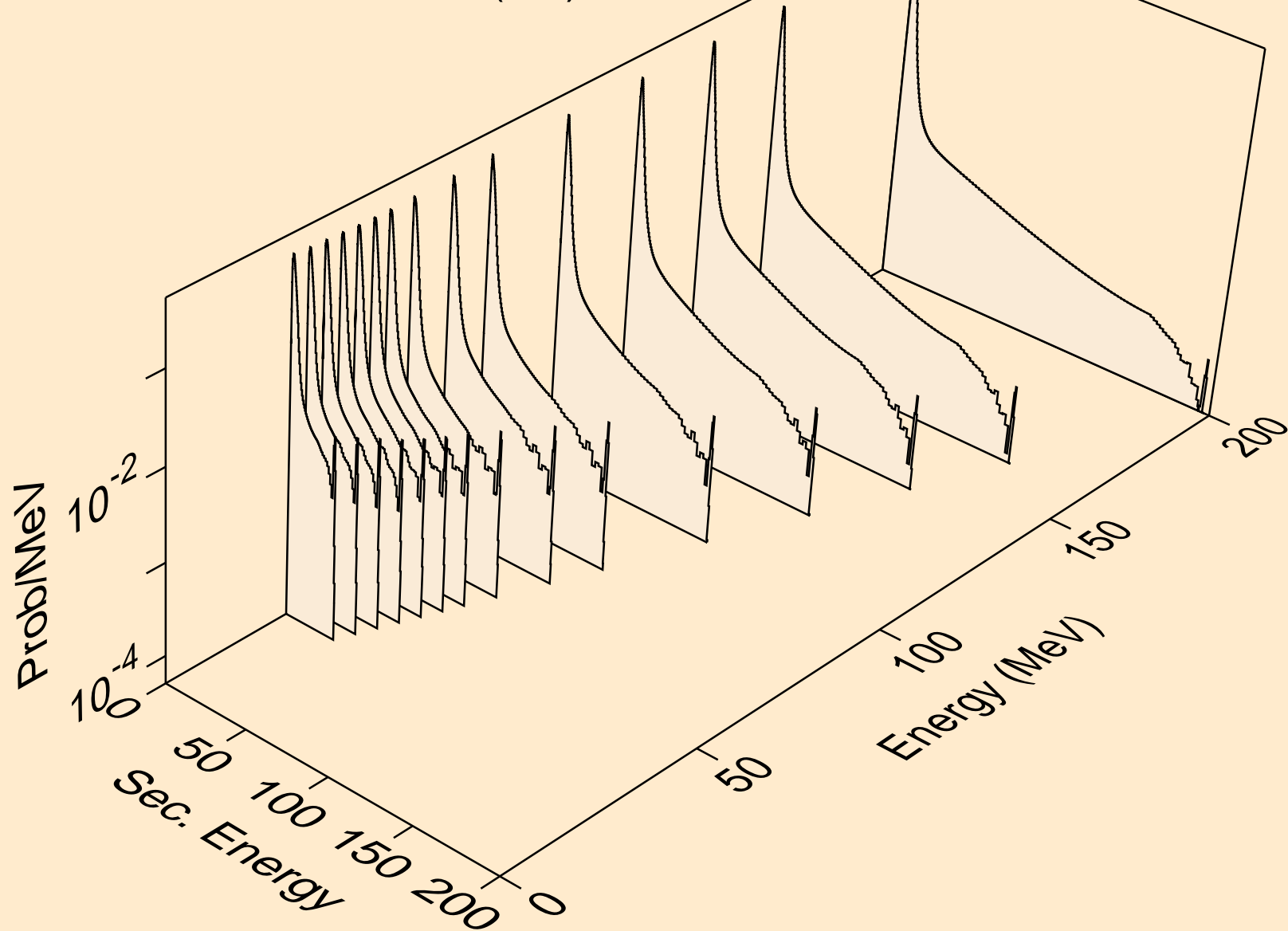
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*29)



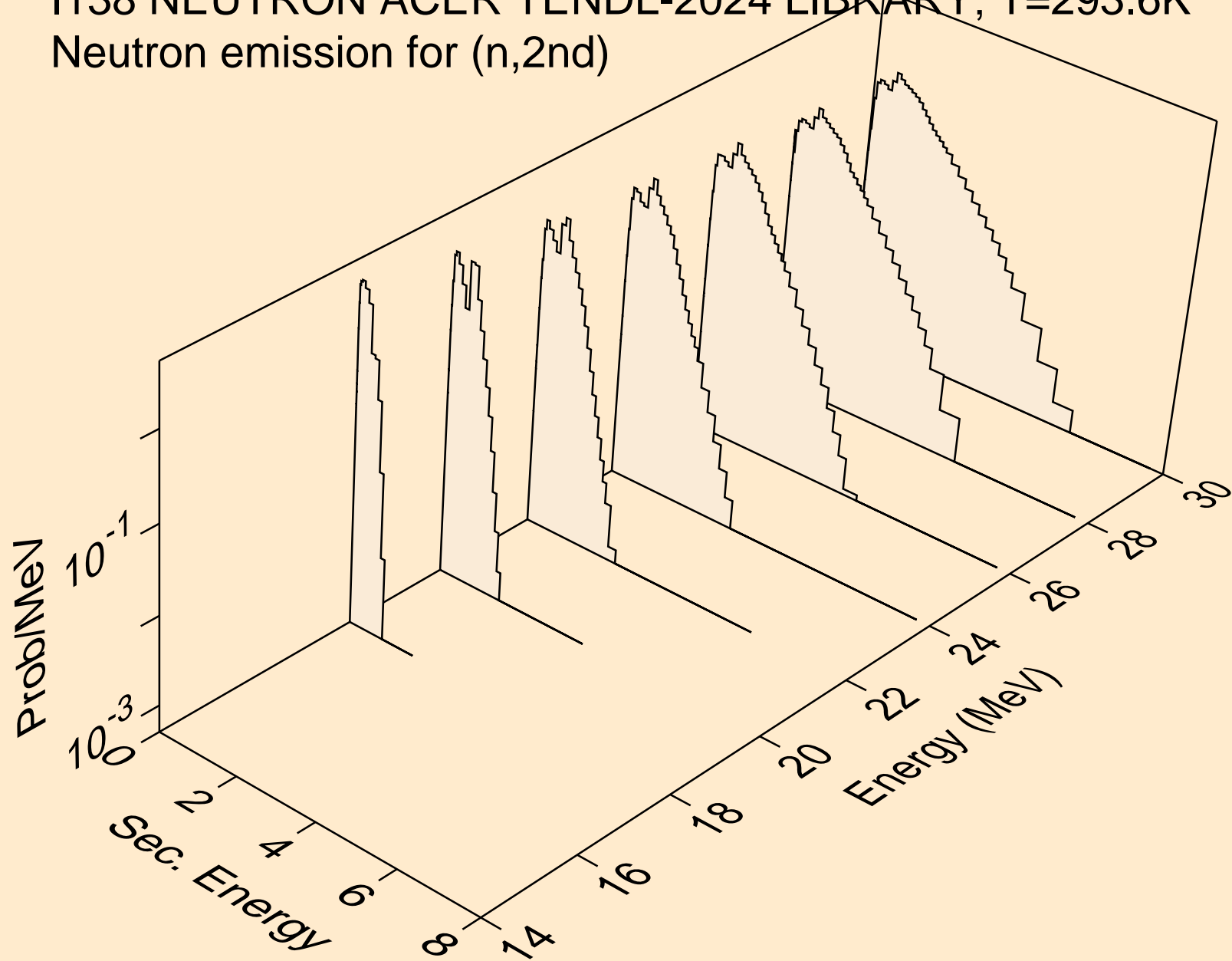
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angular distribution for (n,n*30)



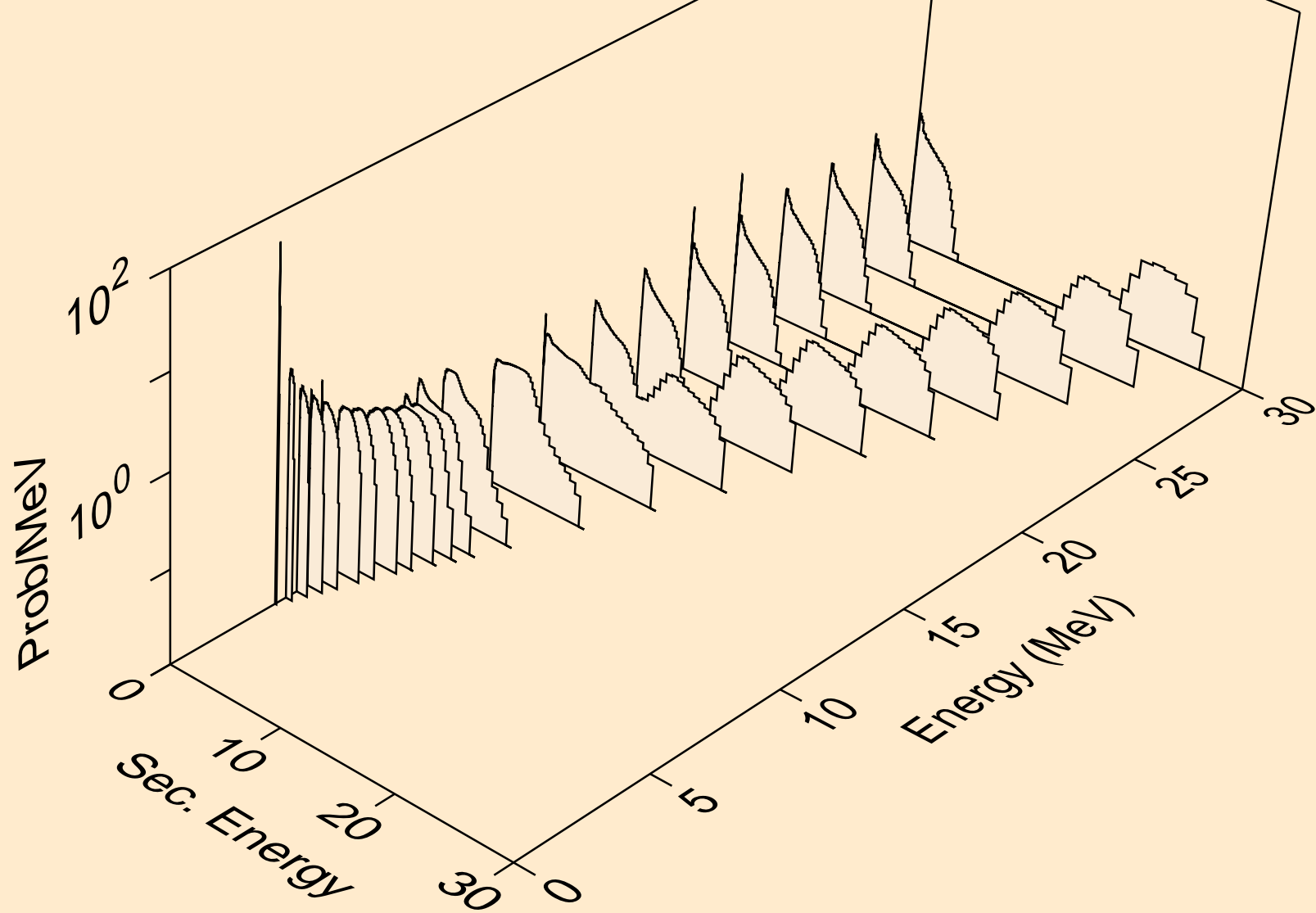
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)



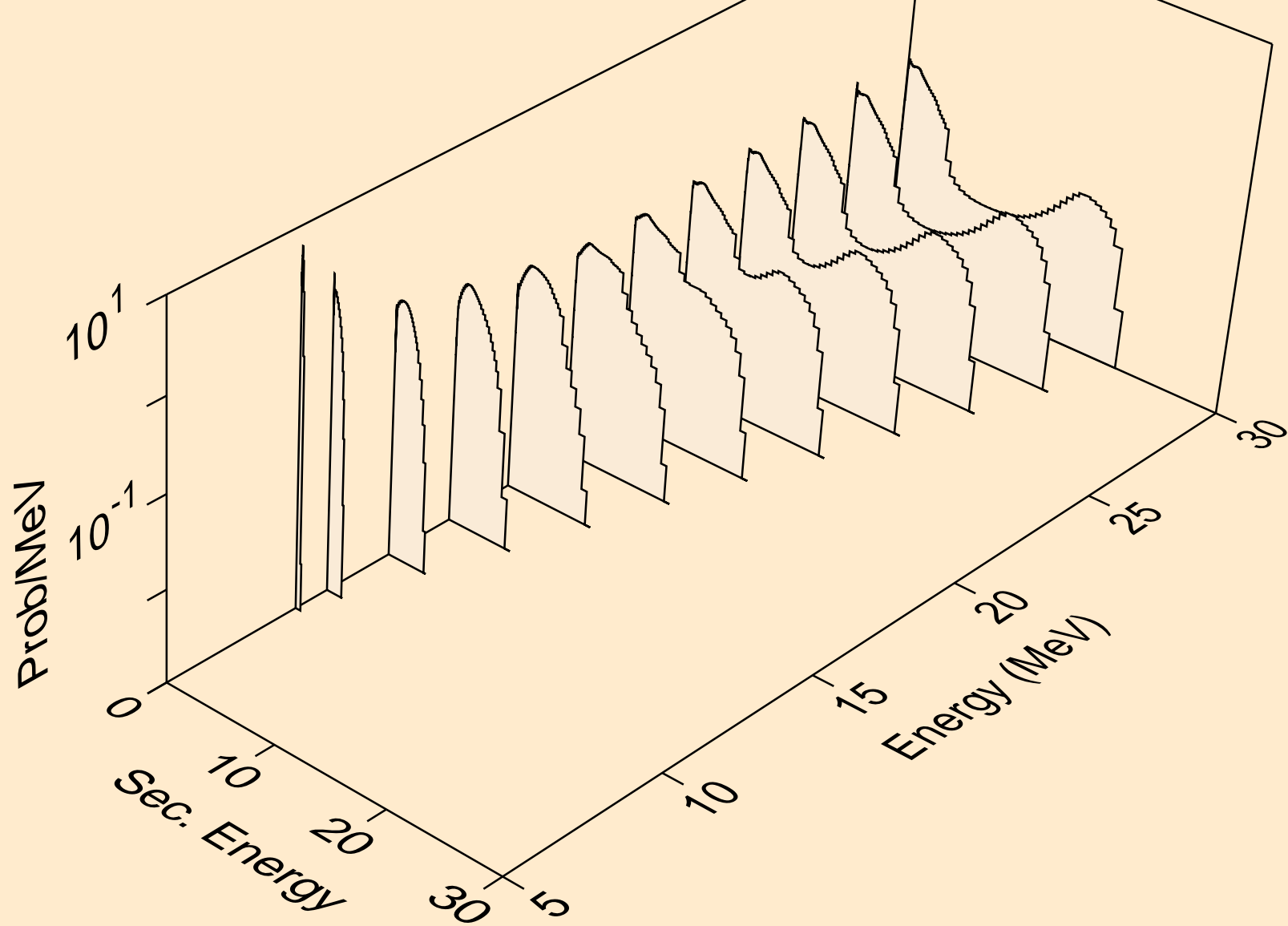
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2nd)



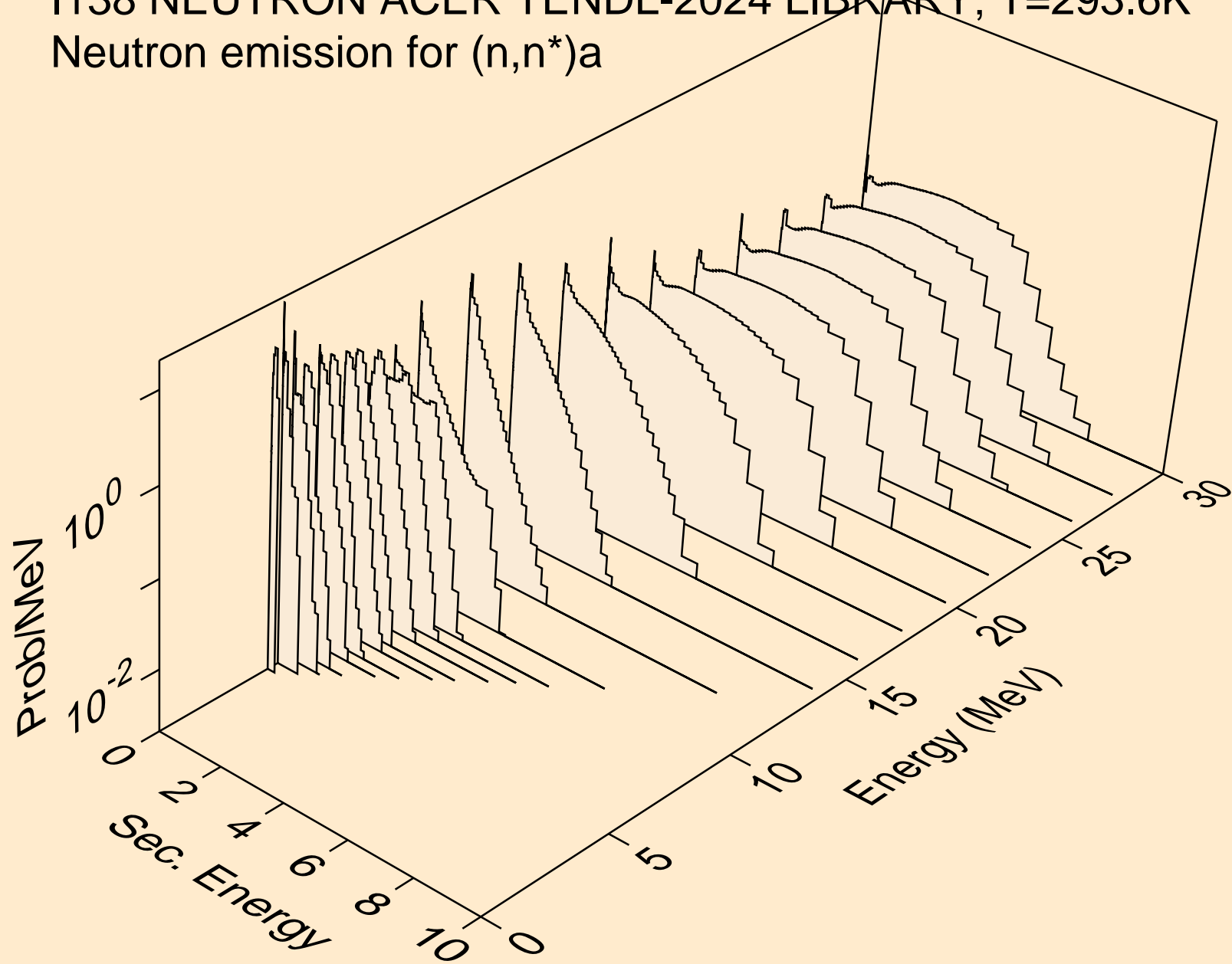
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)



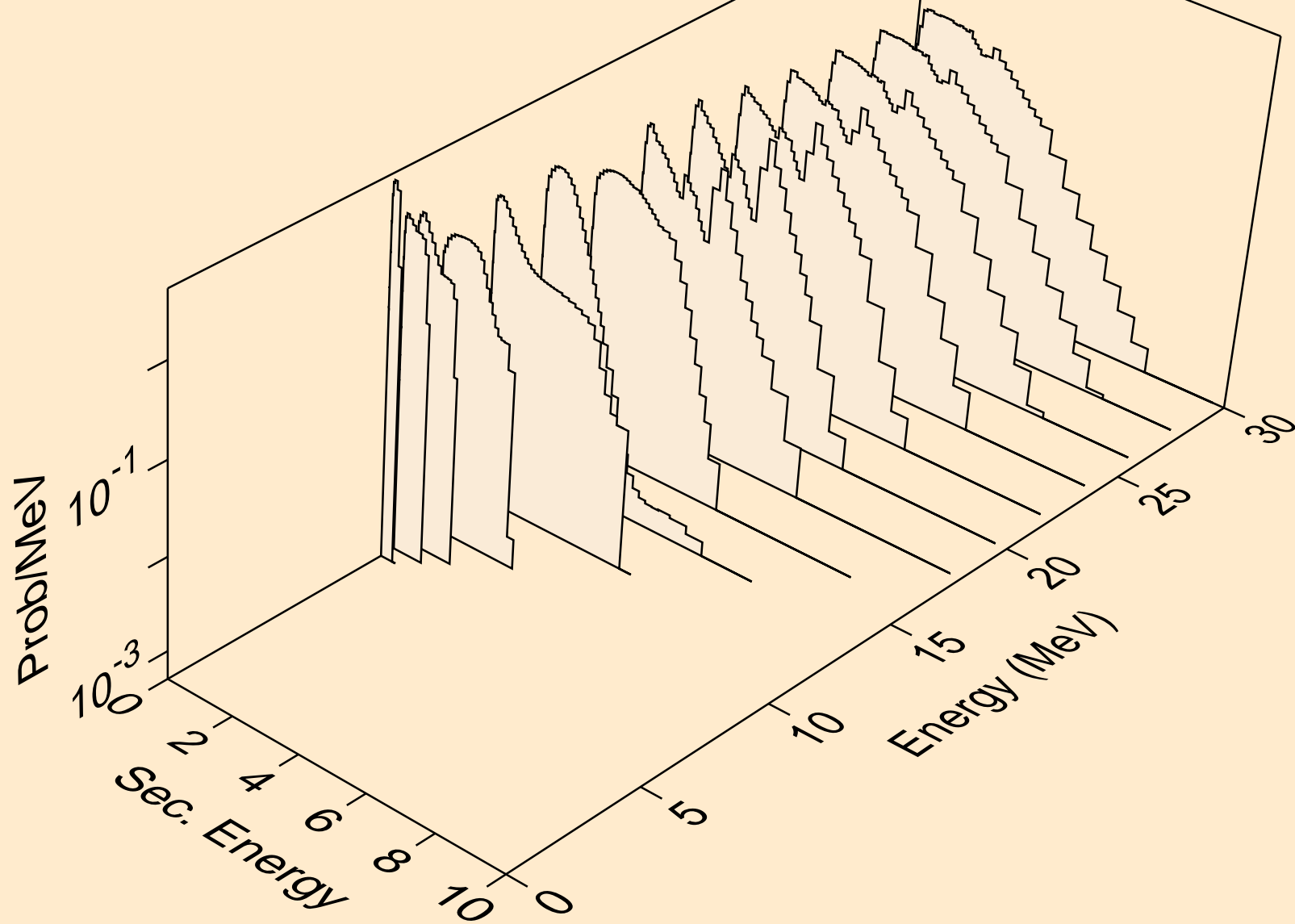
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)



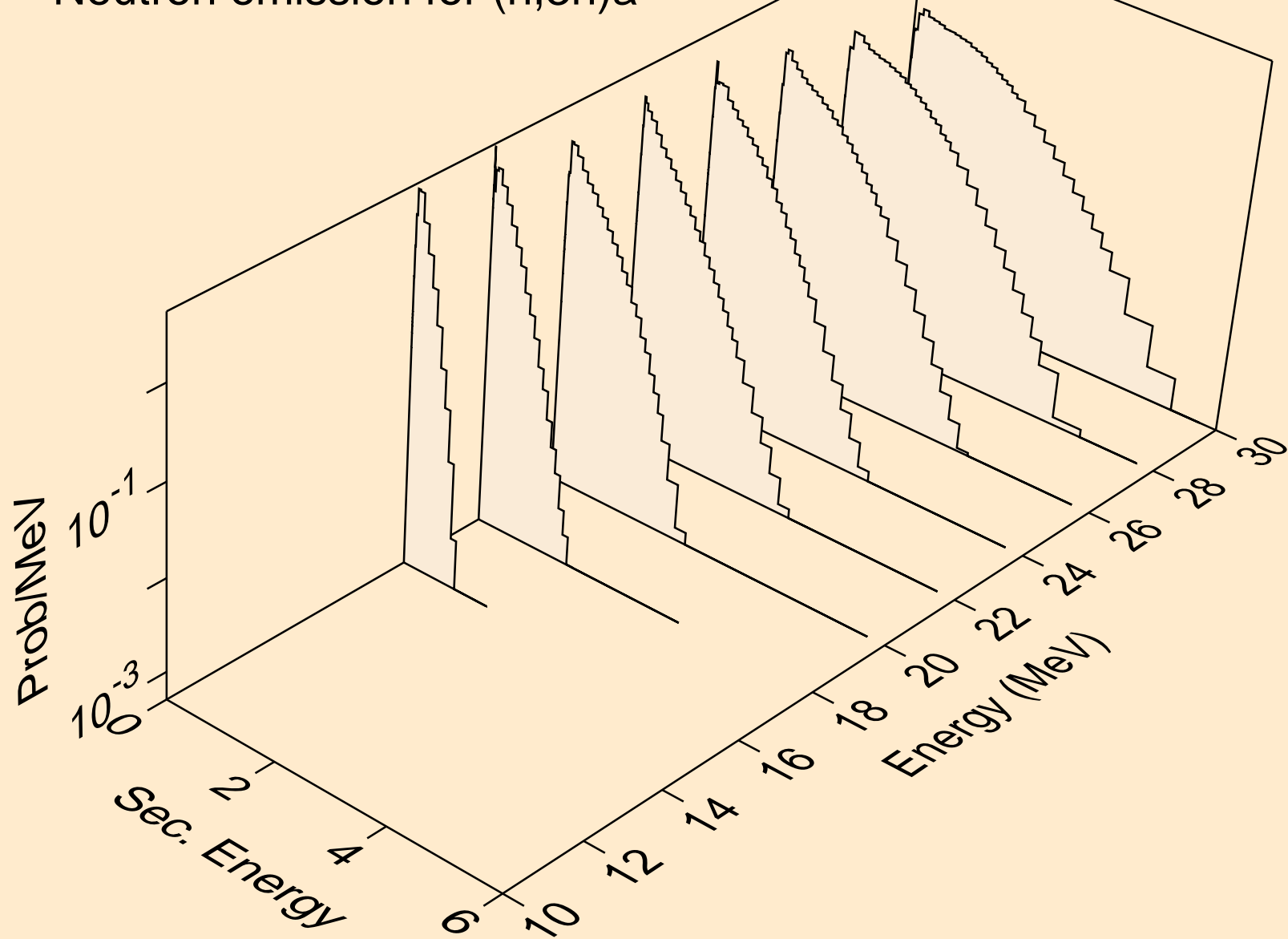
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)a



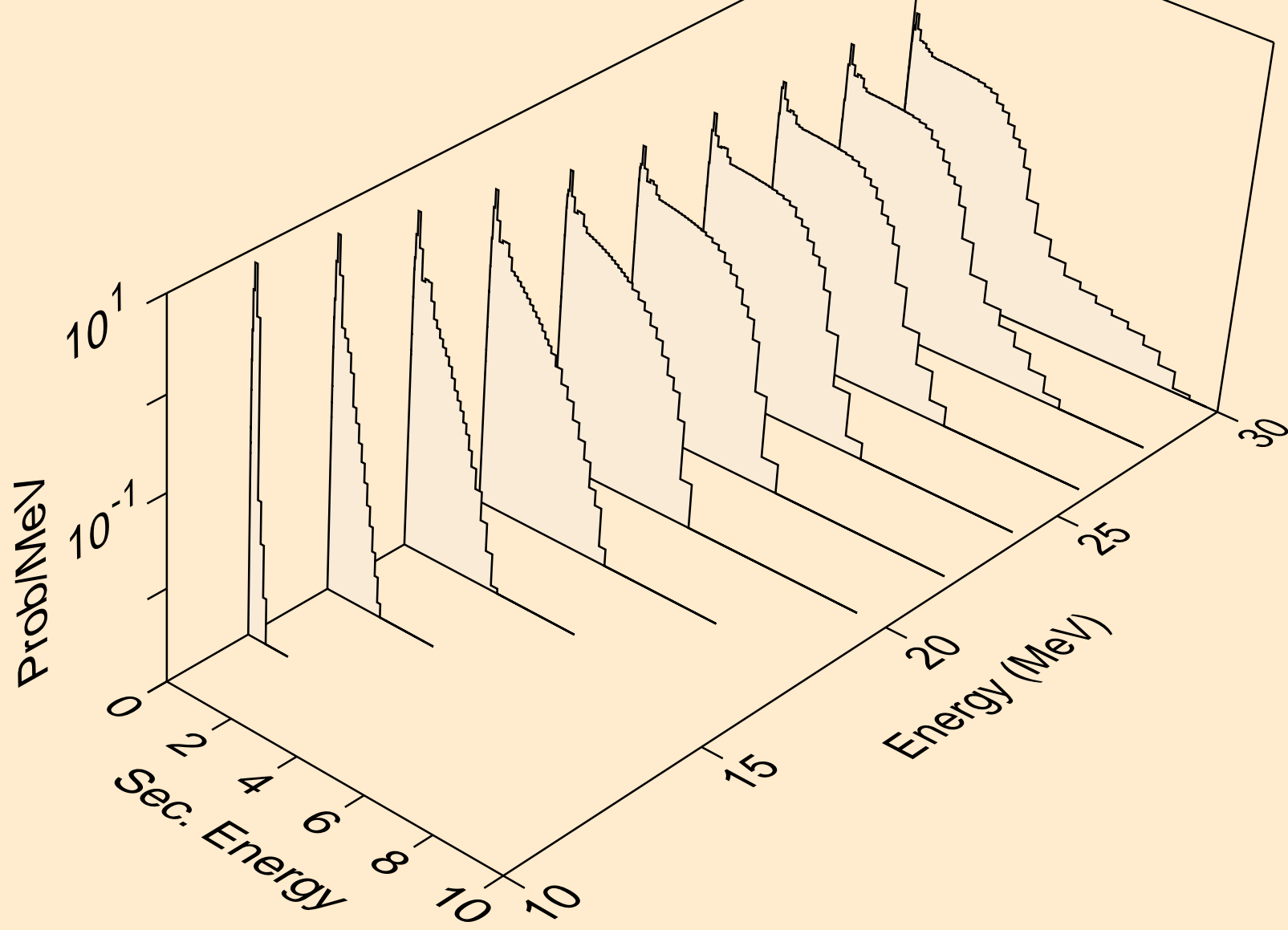
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)a



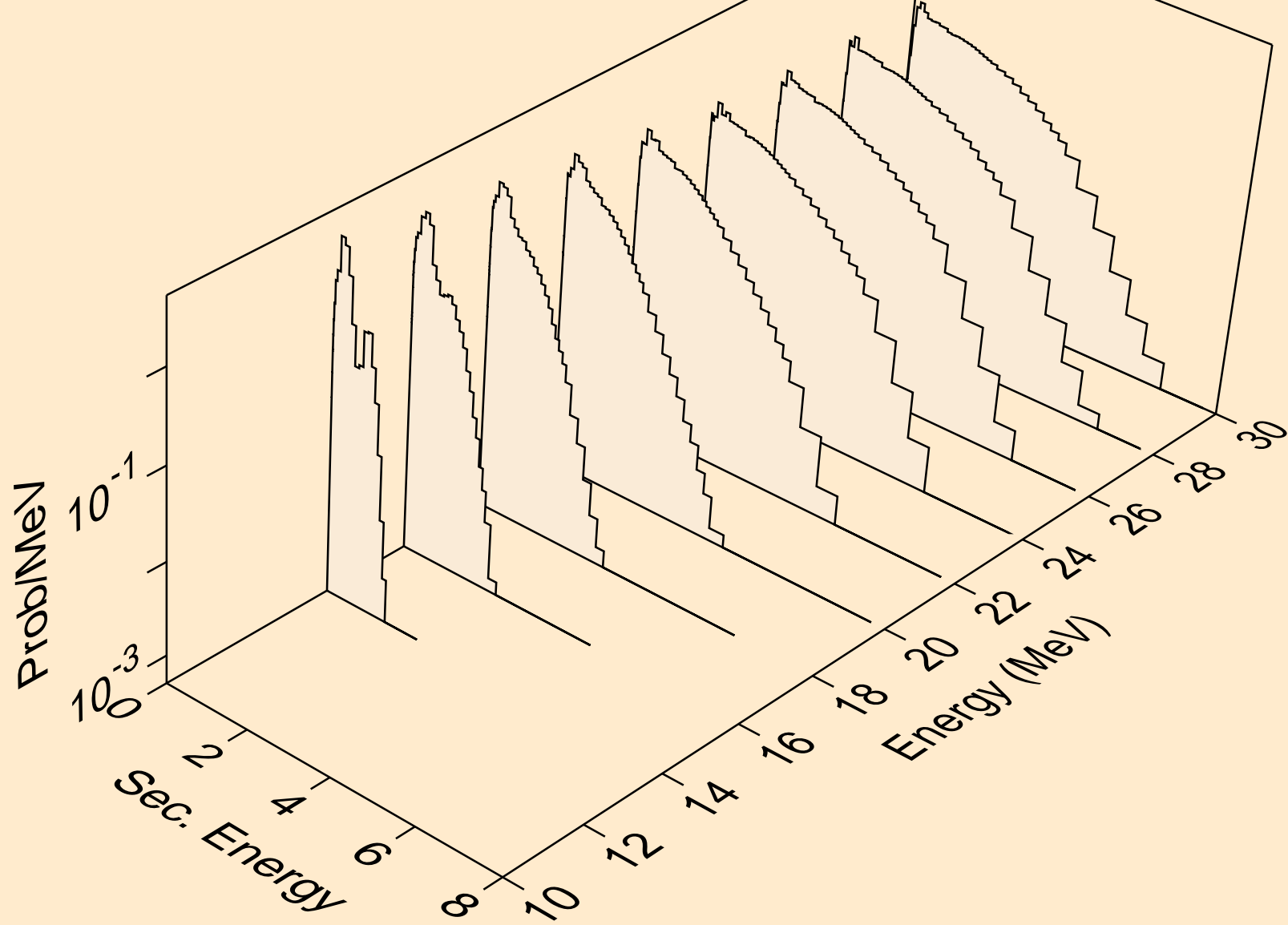
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)a



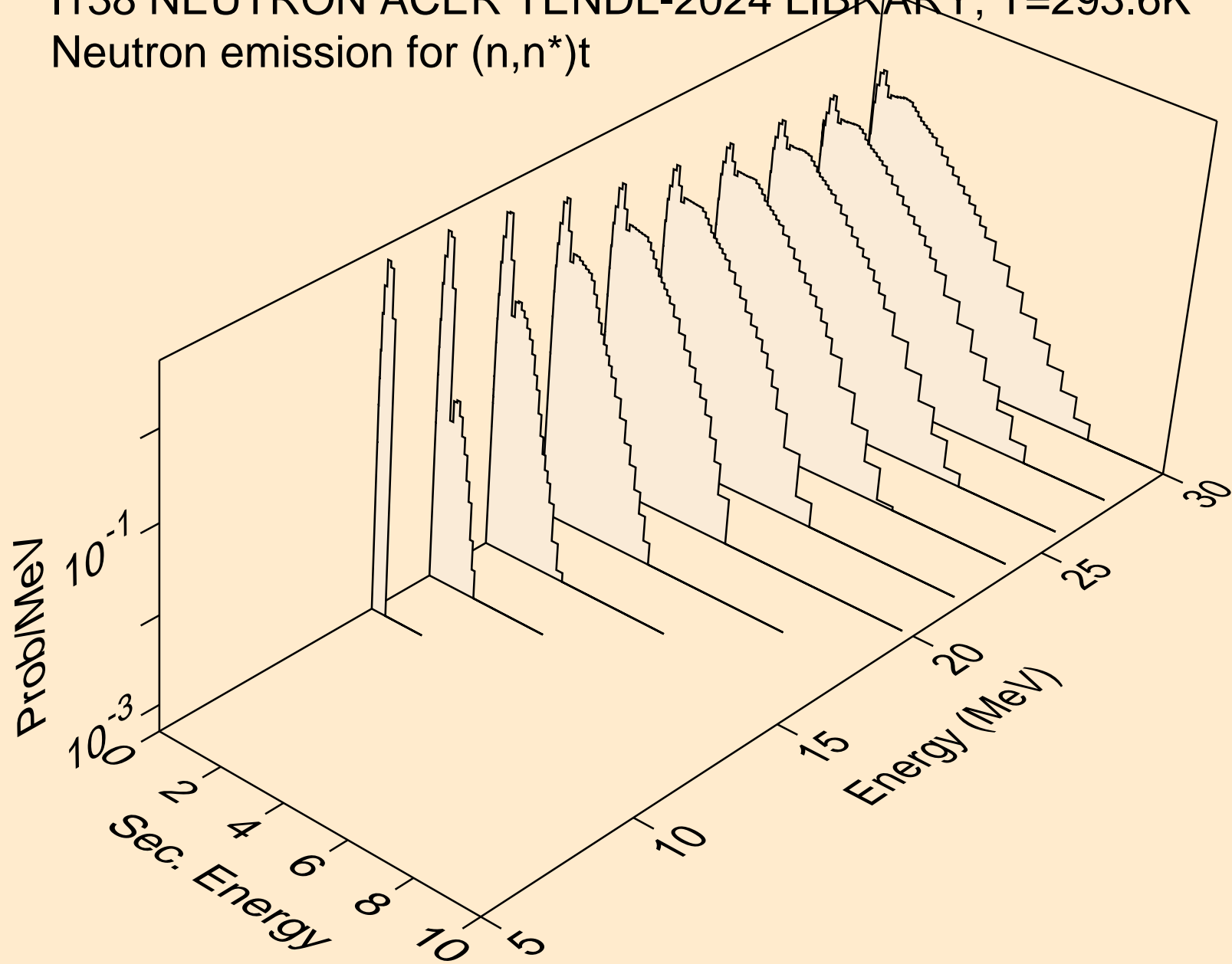
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



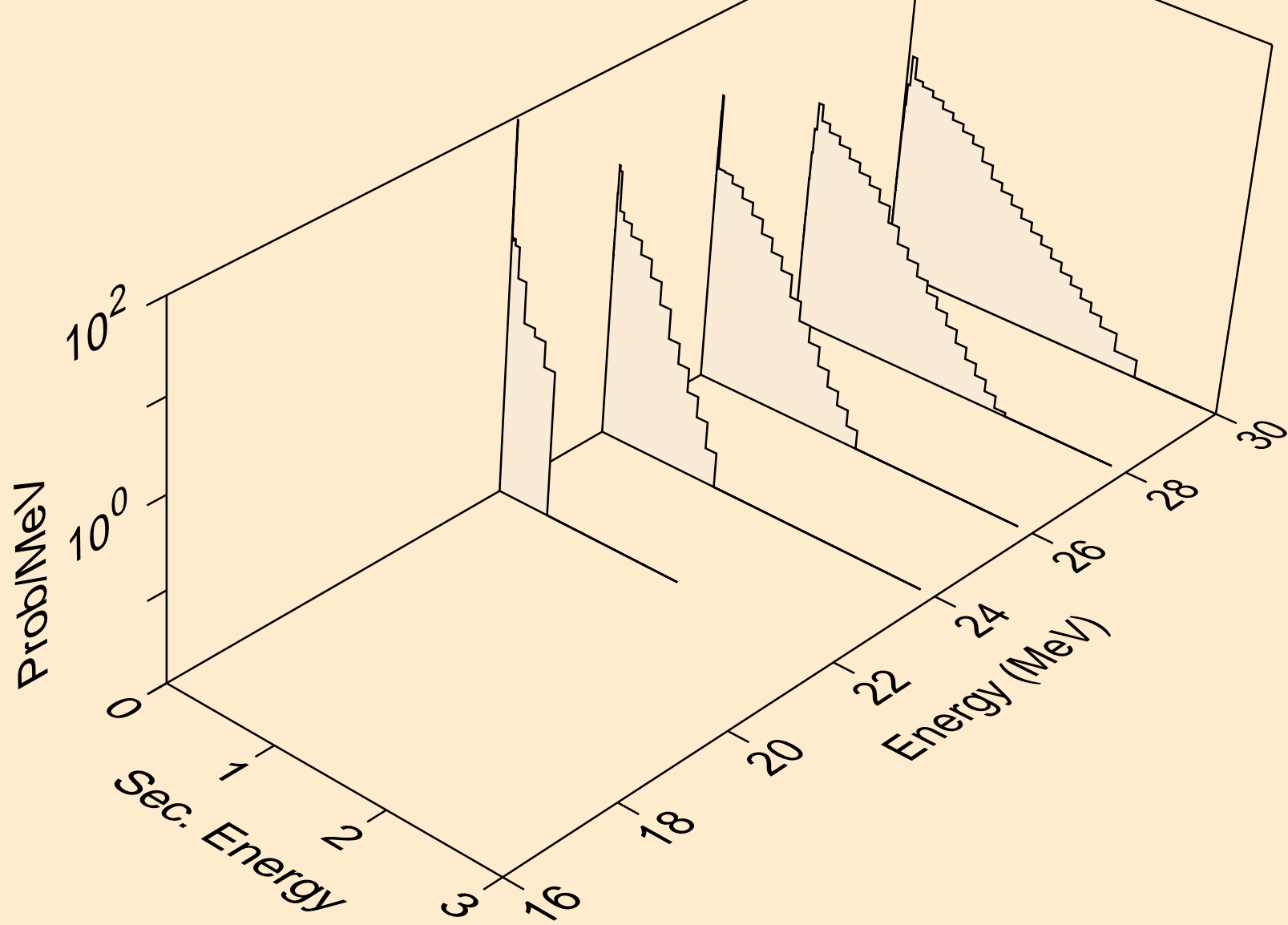
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)d



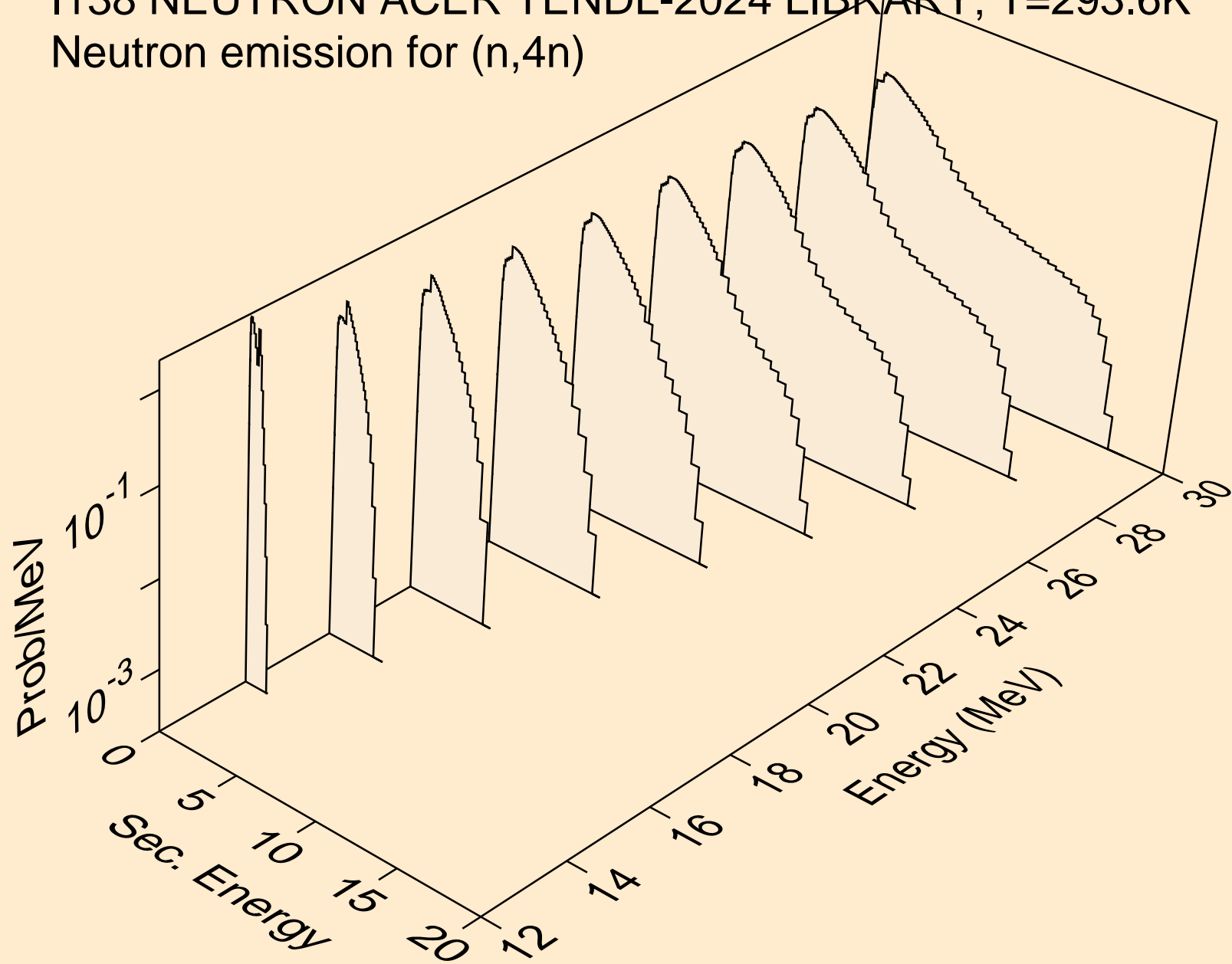
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)t



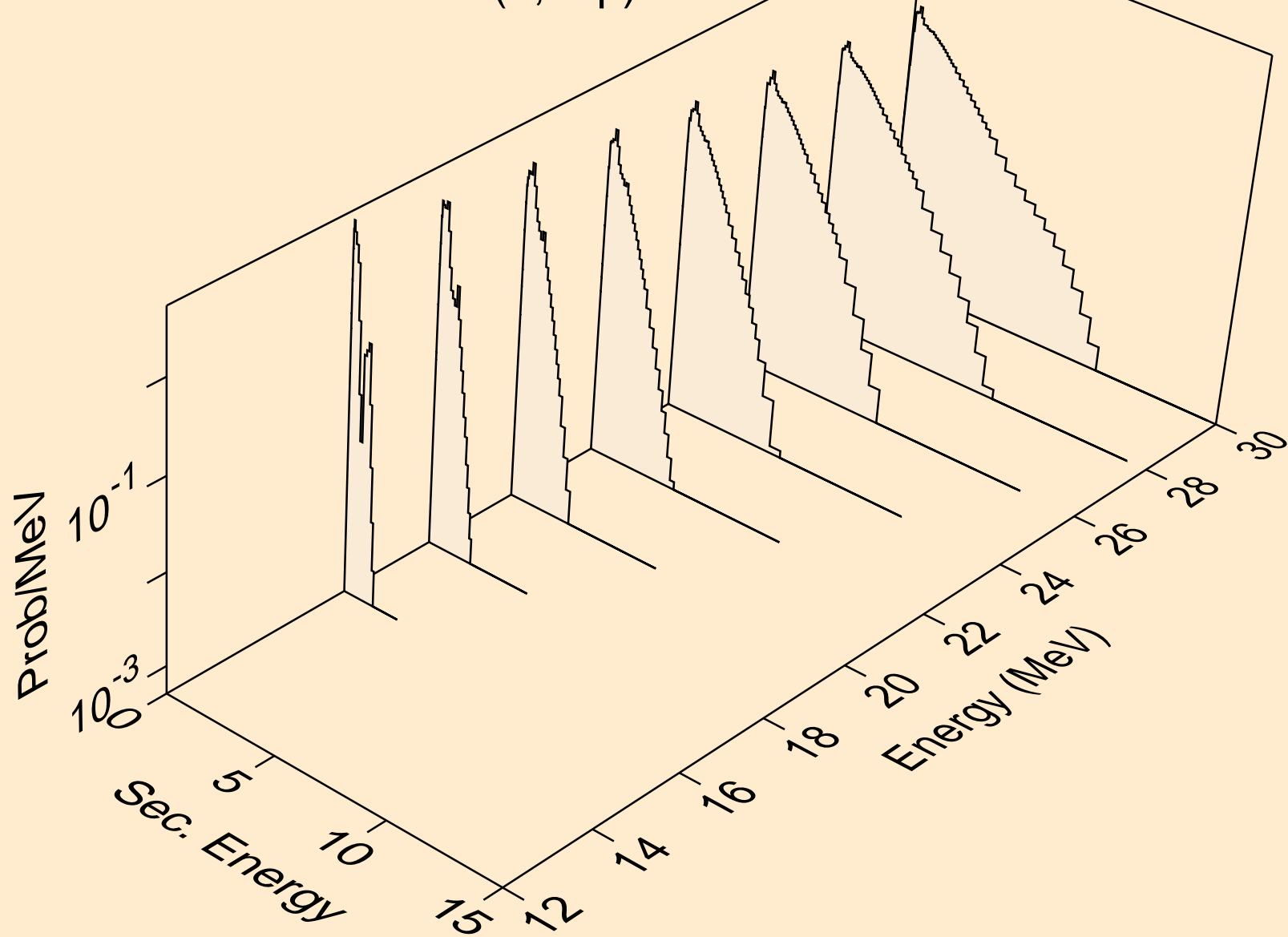
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



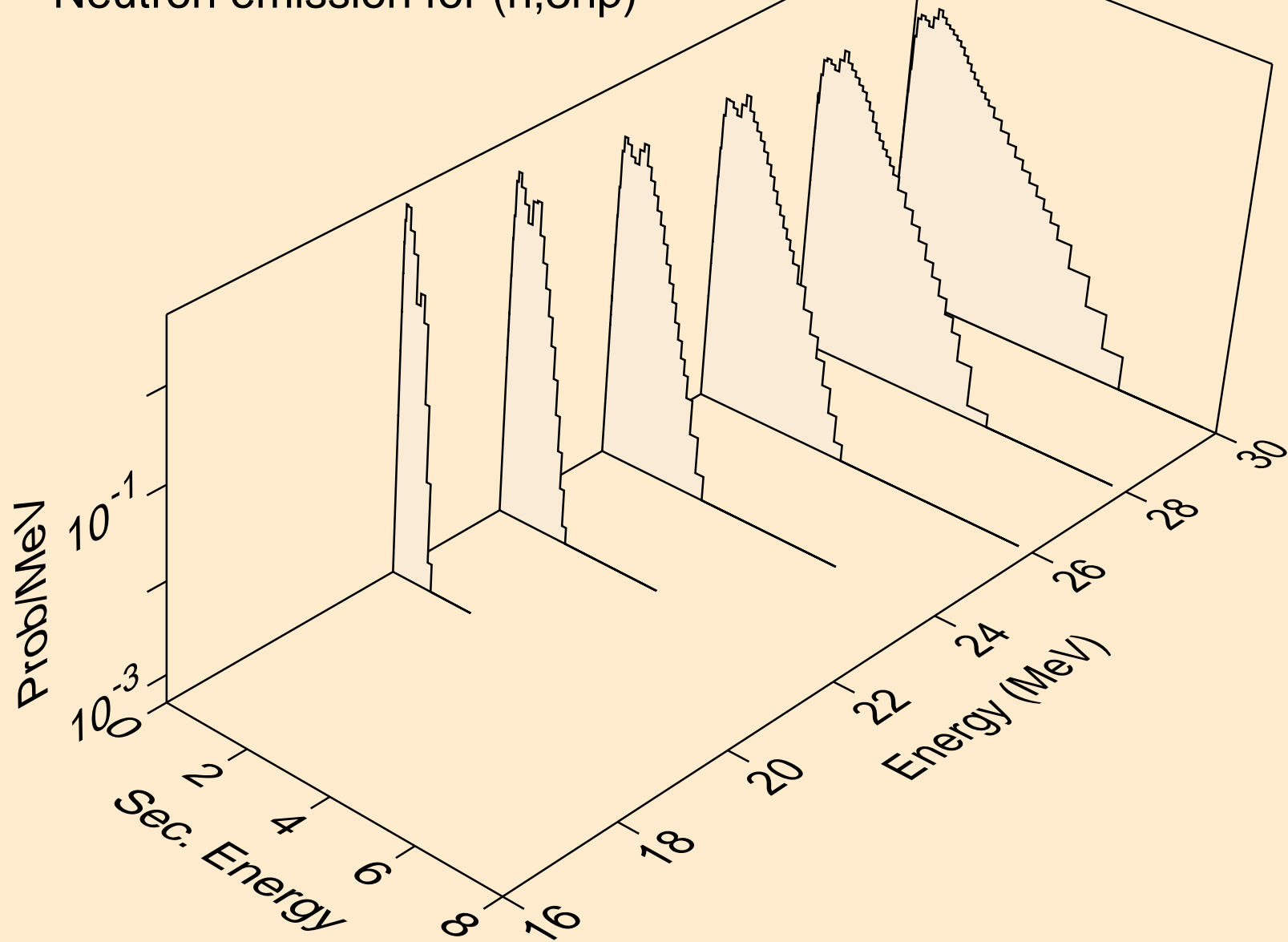
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,4n)



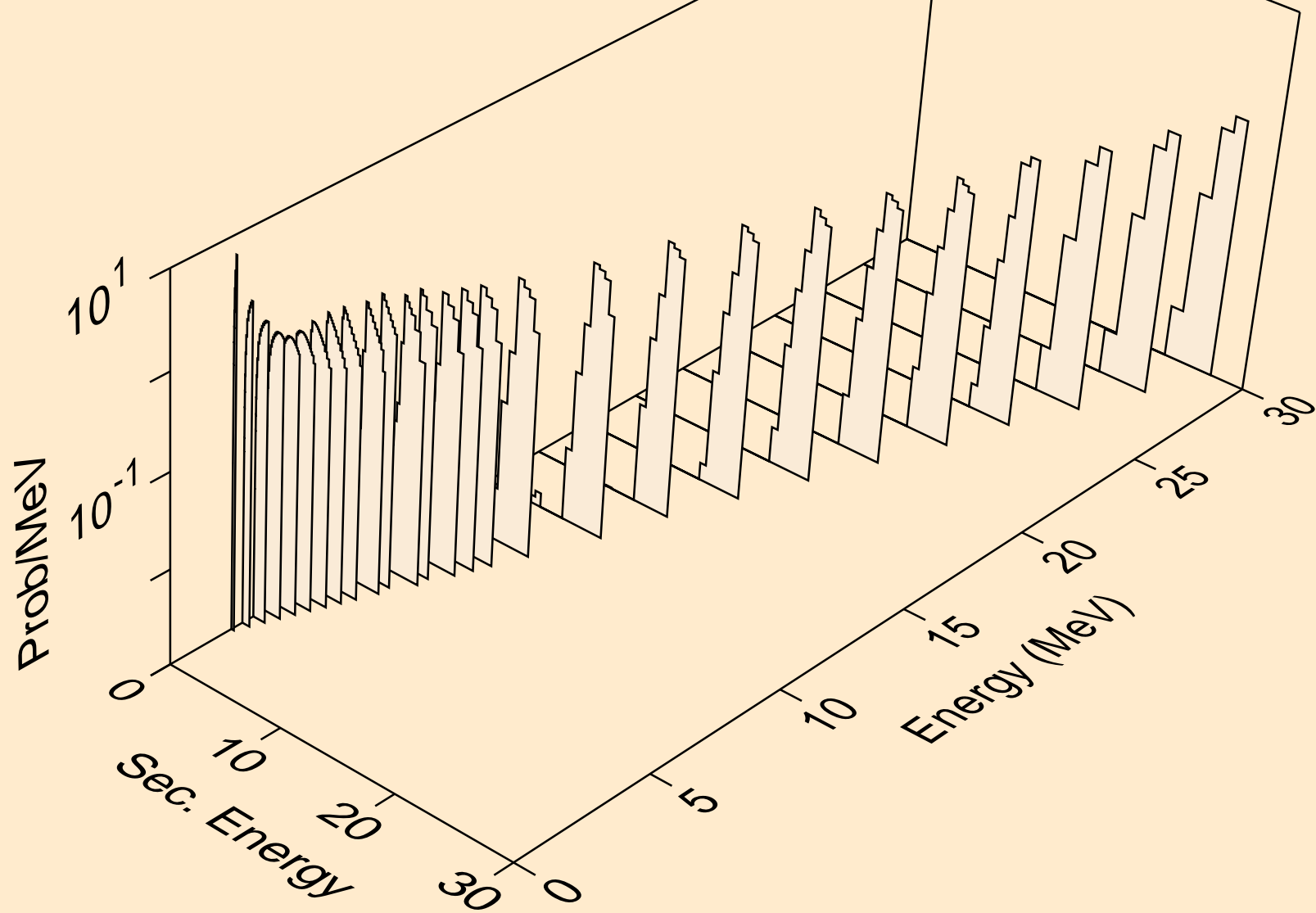
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2np)



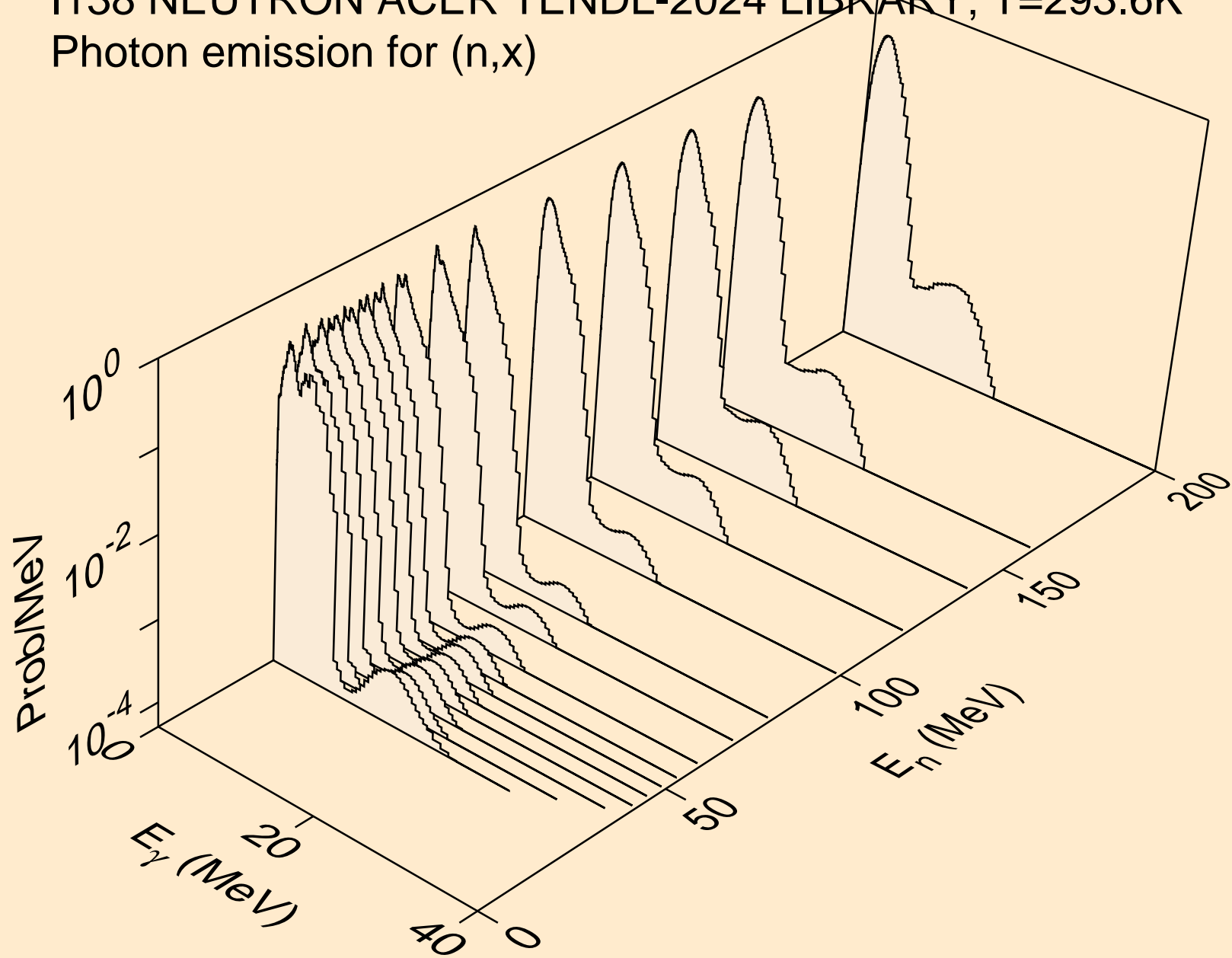
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3np)



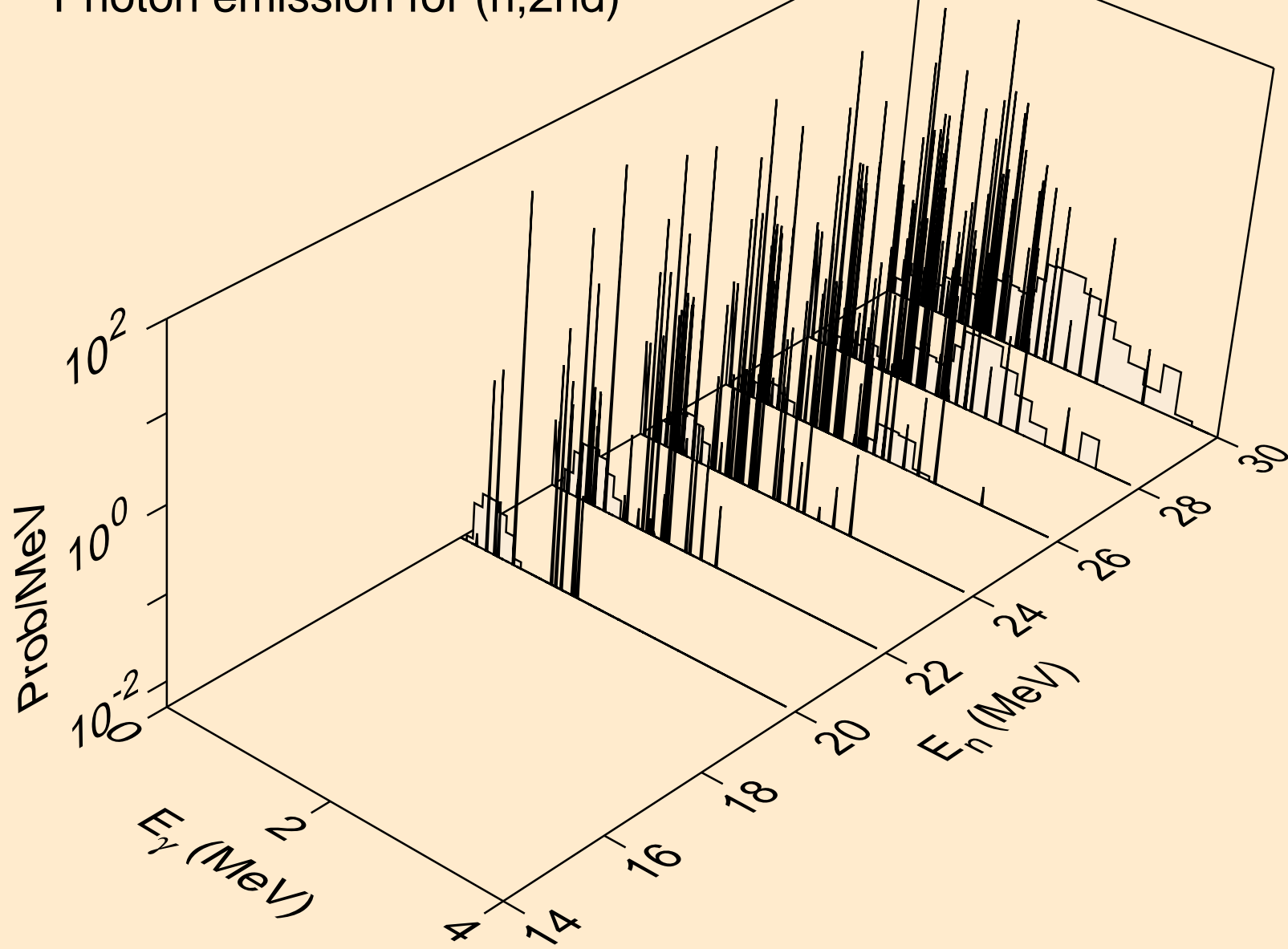
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



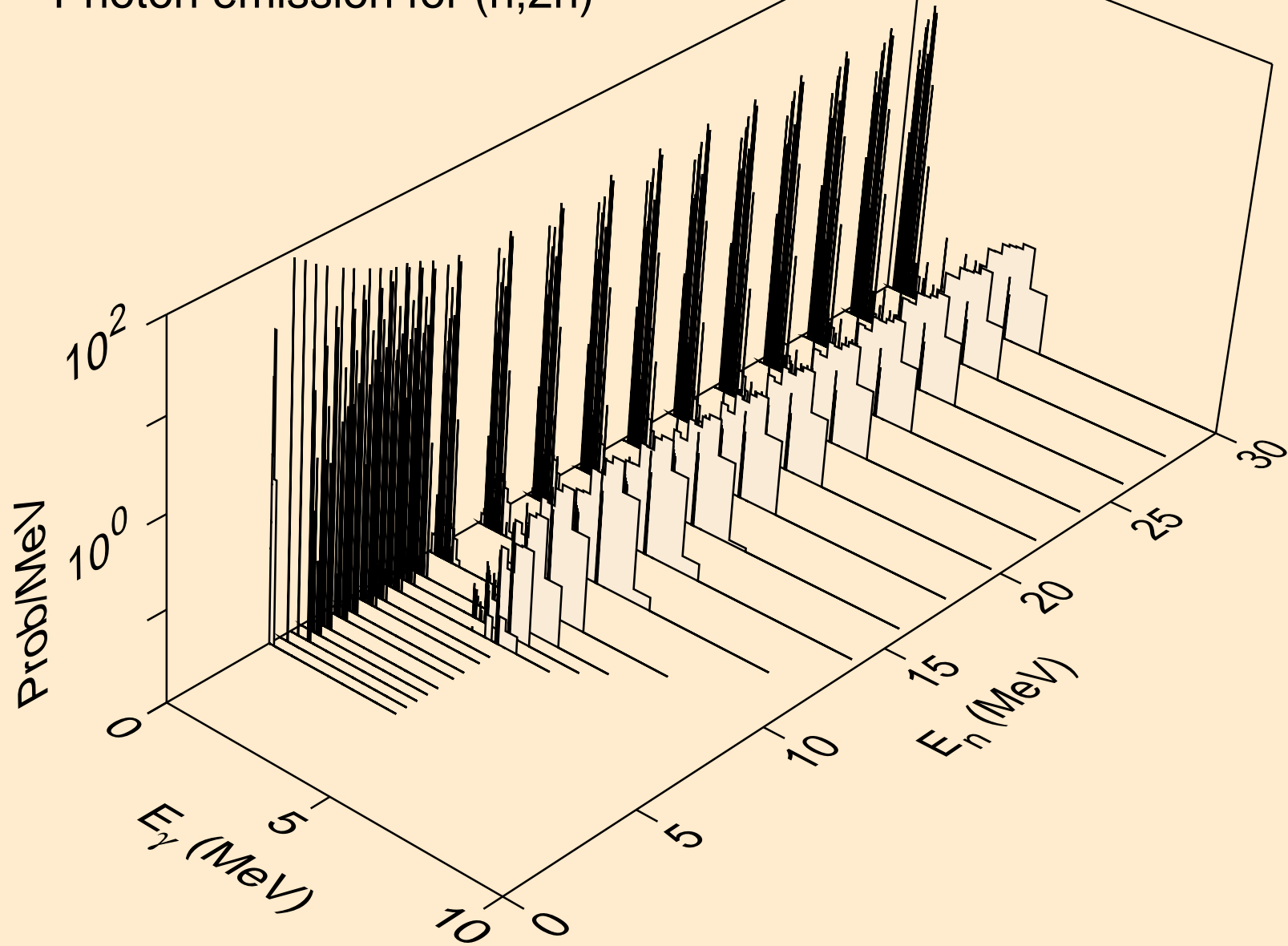
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)



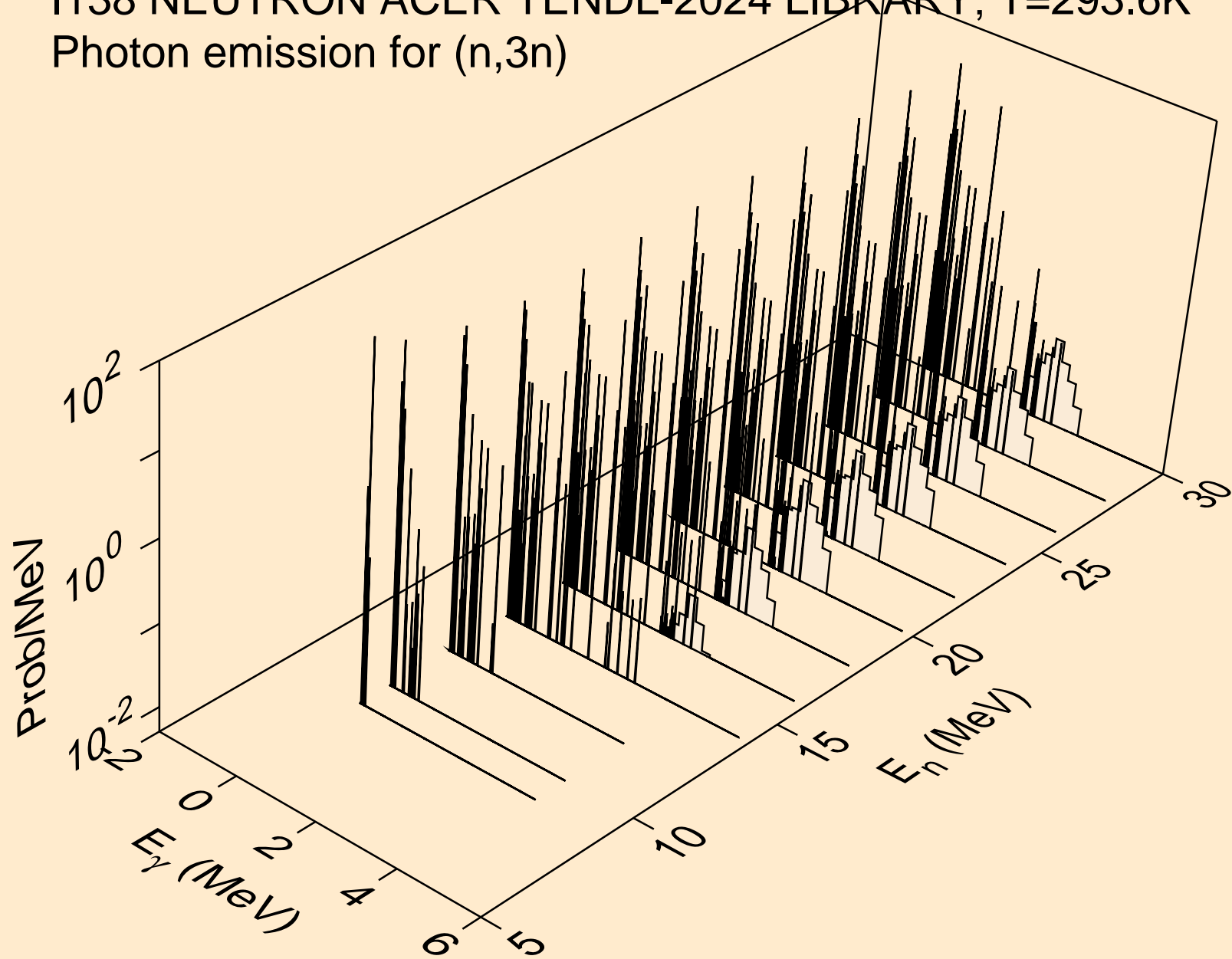
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2nd)



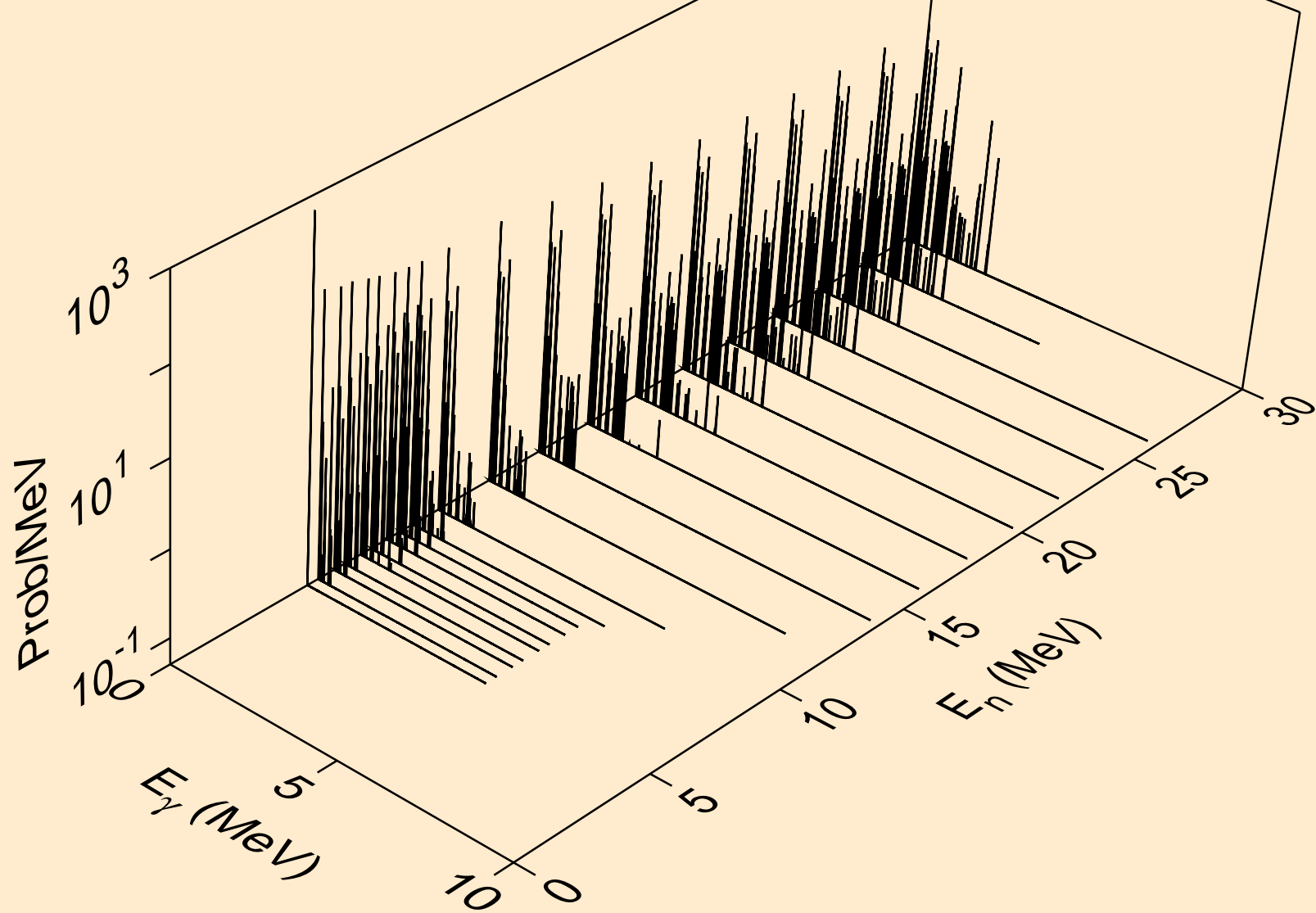
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)



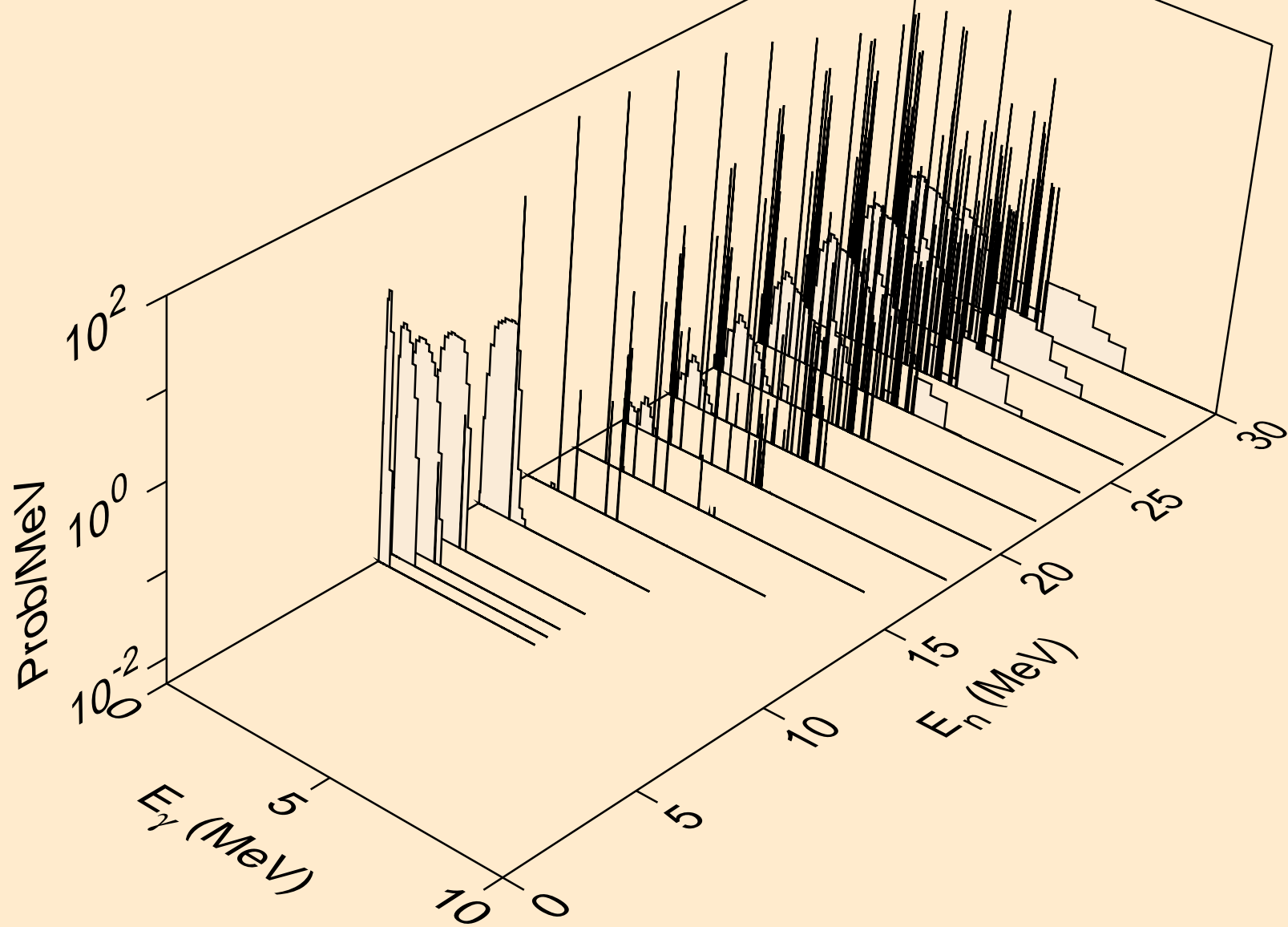
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)



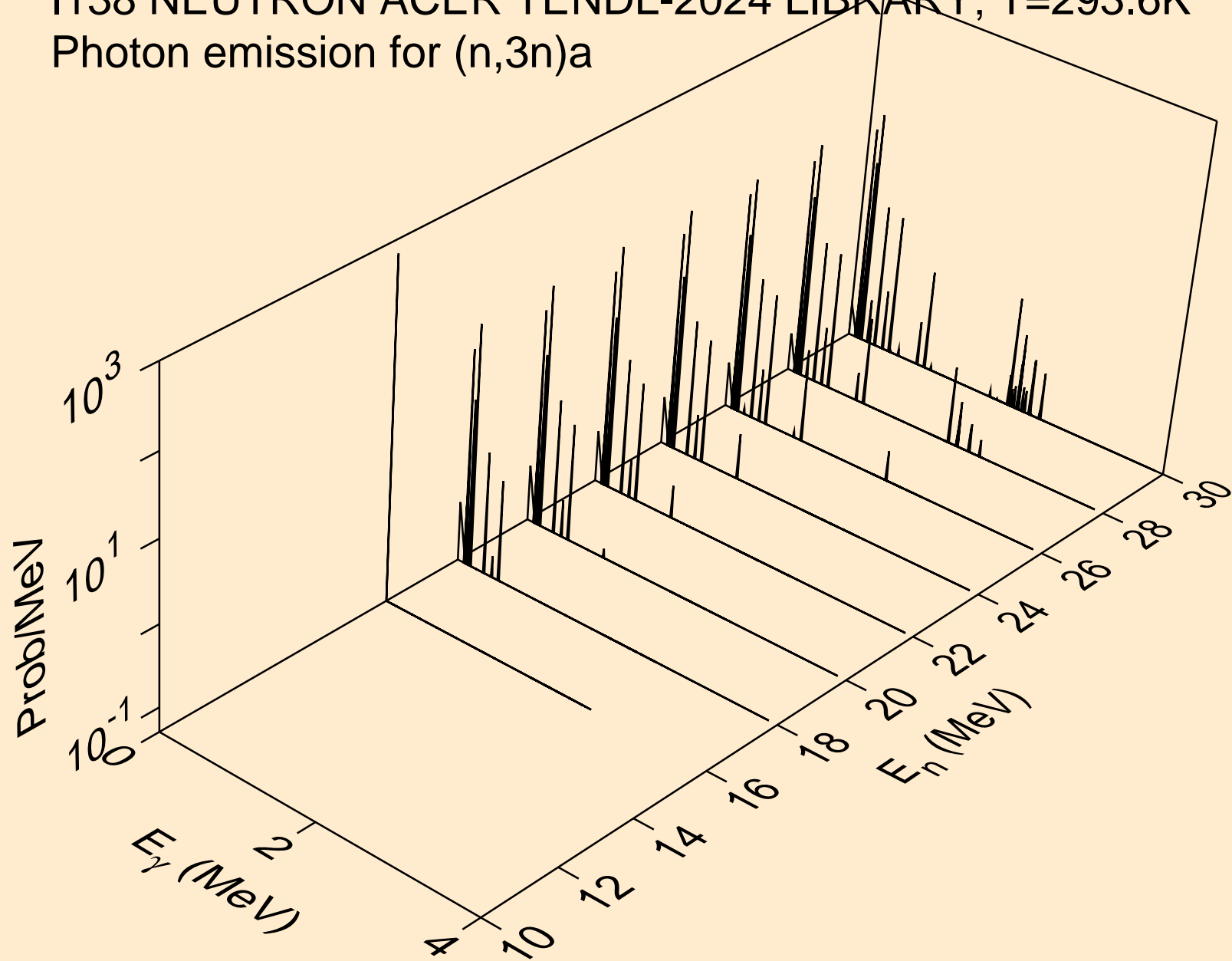
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)a



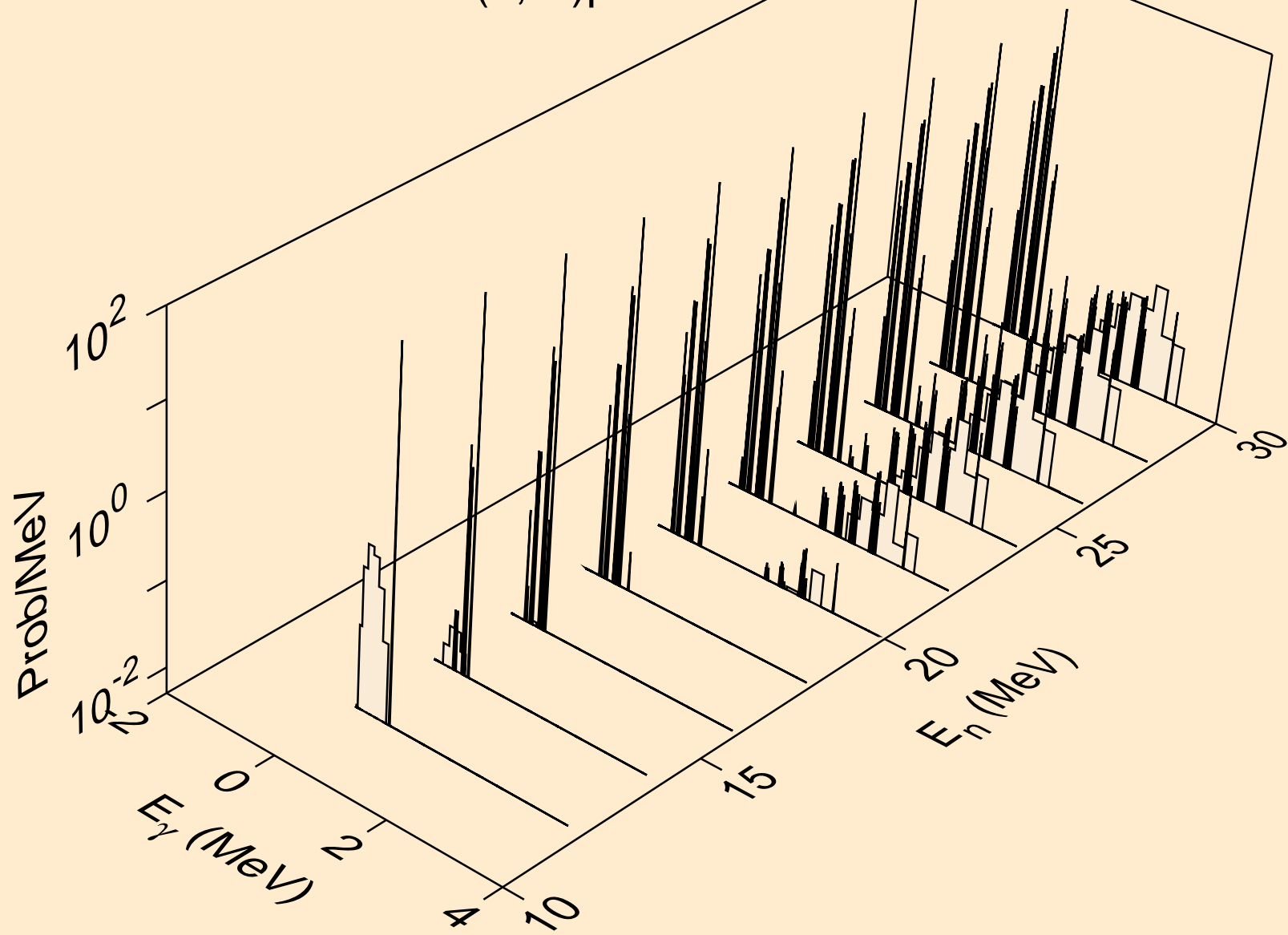
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)a



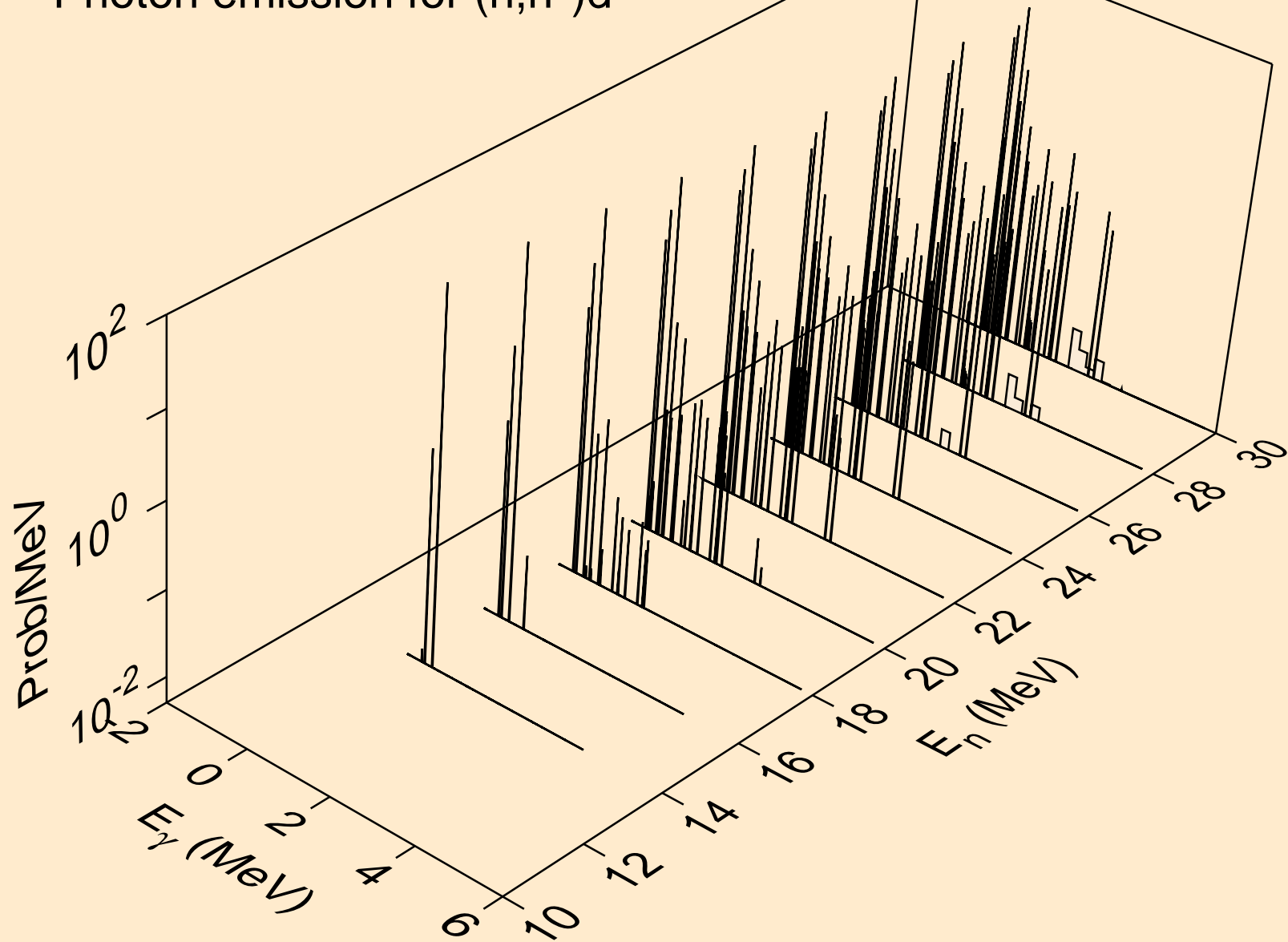
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)a



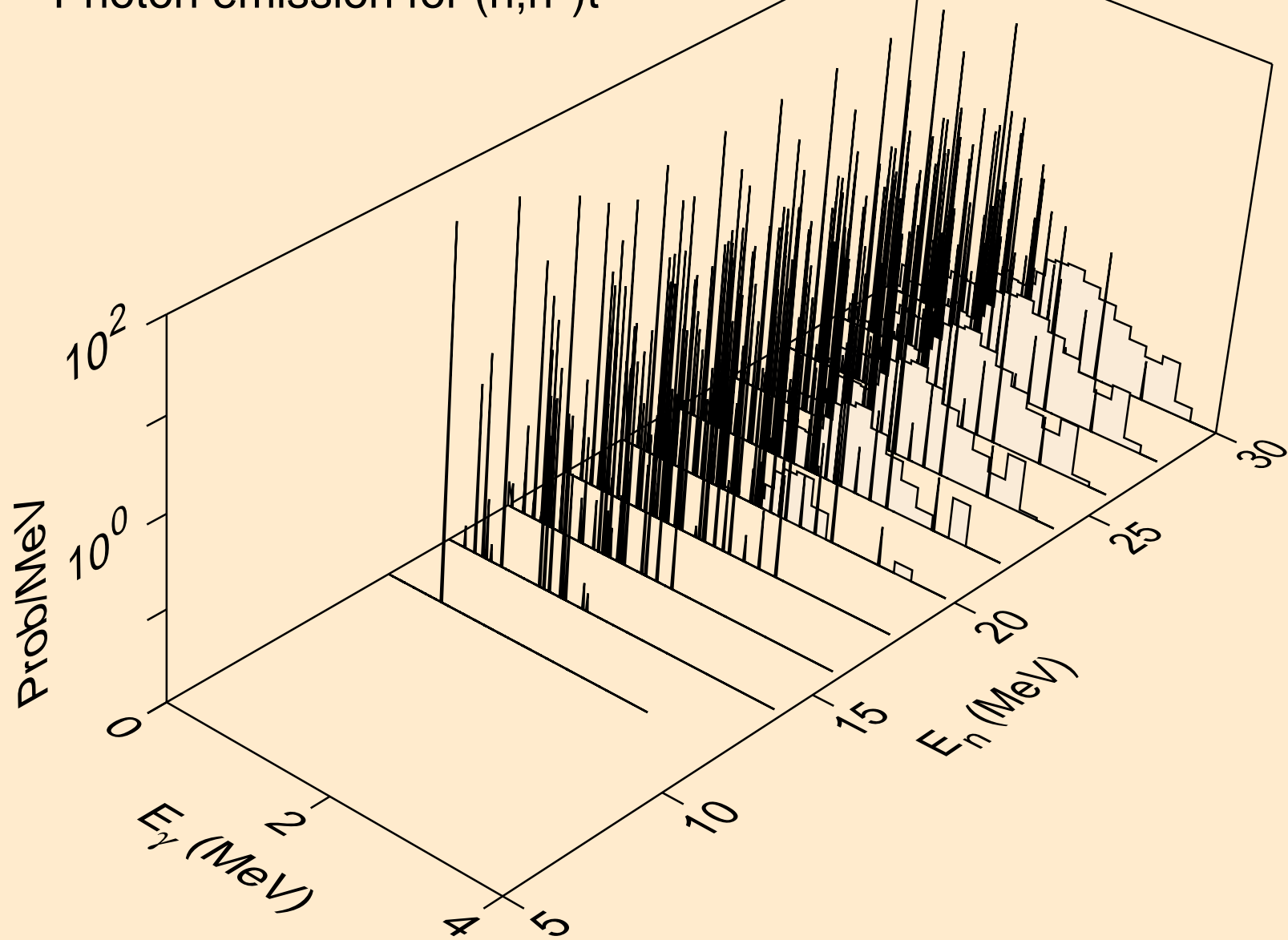
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)p



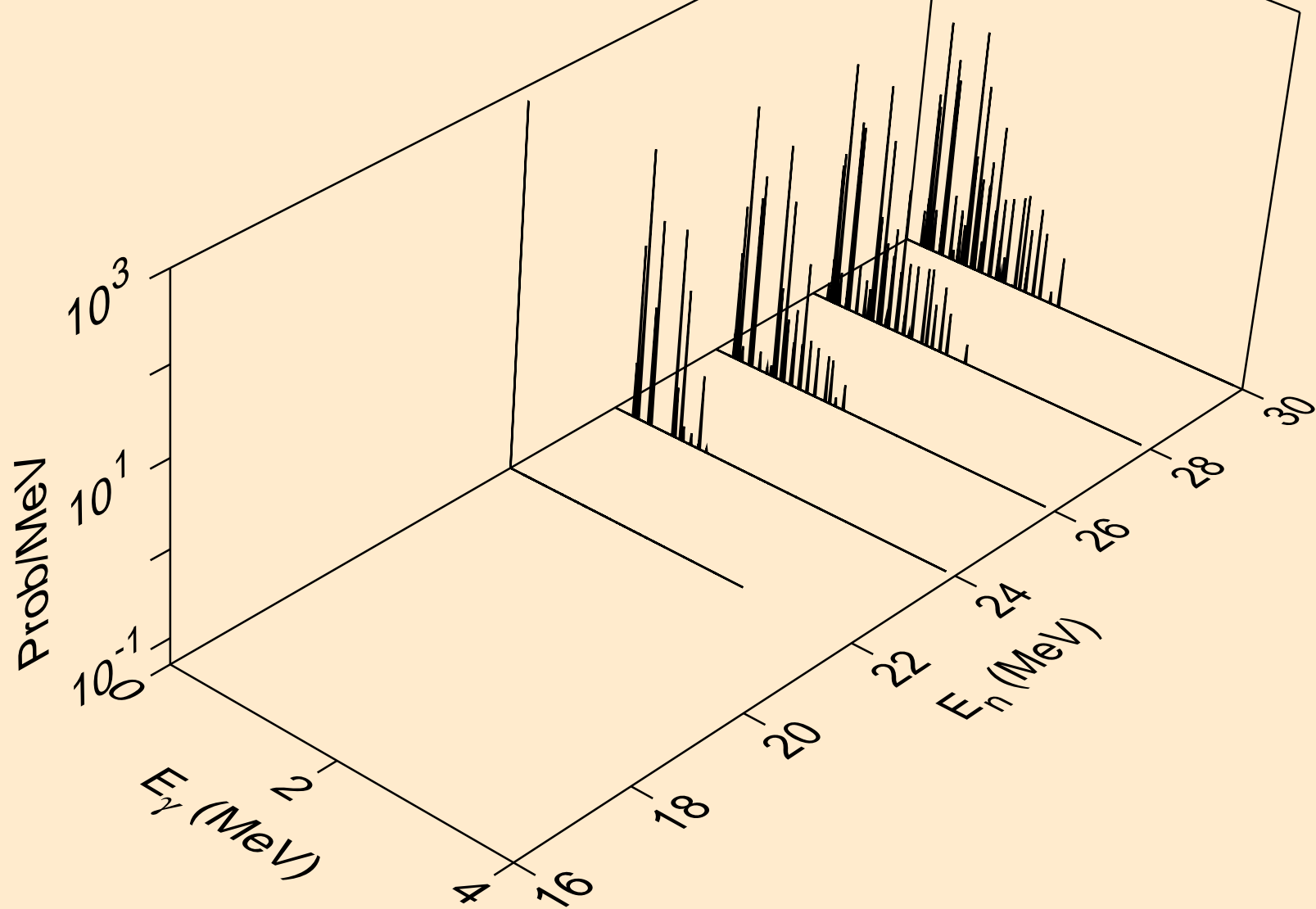
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)d



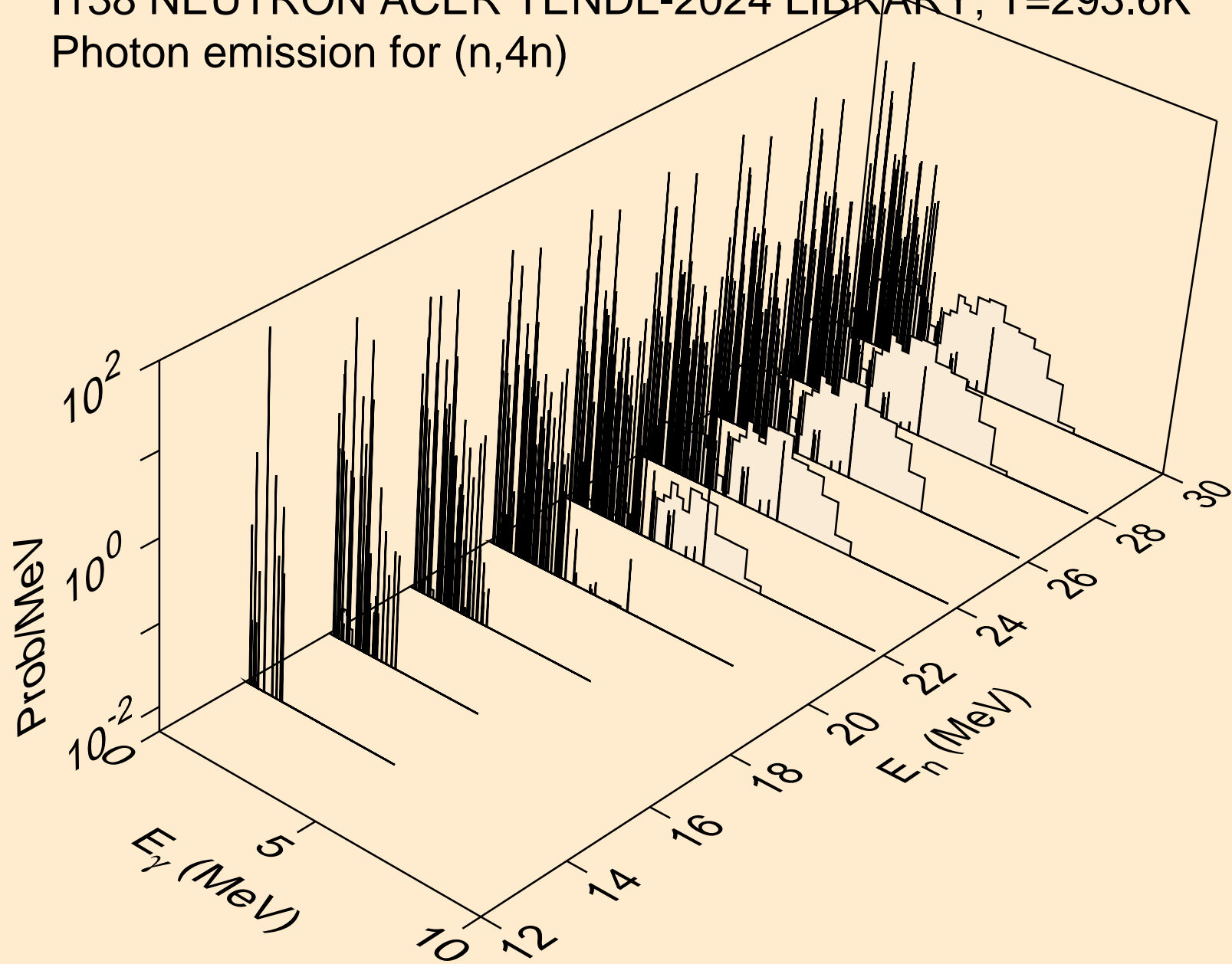
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)t



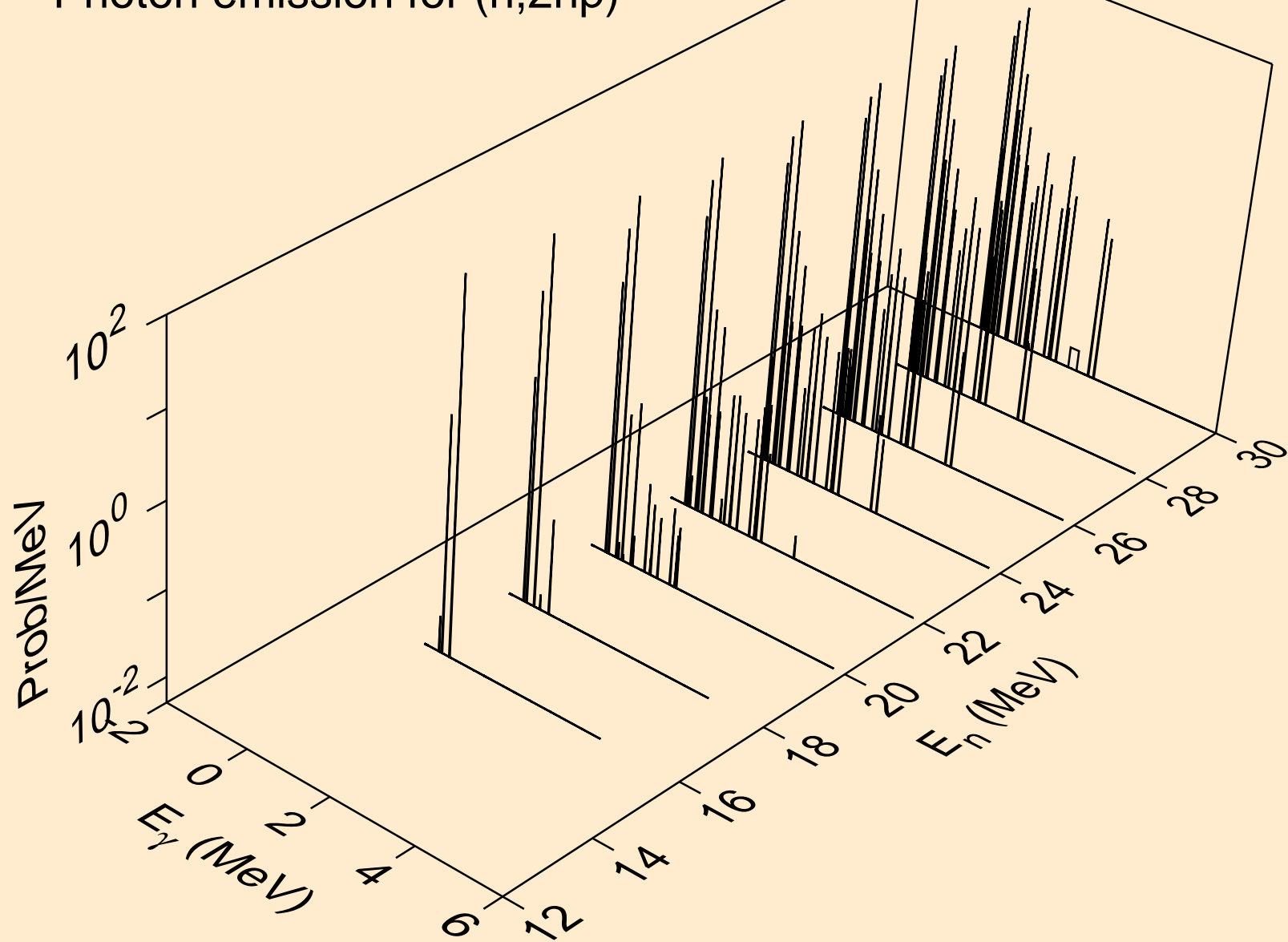
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)he3



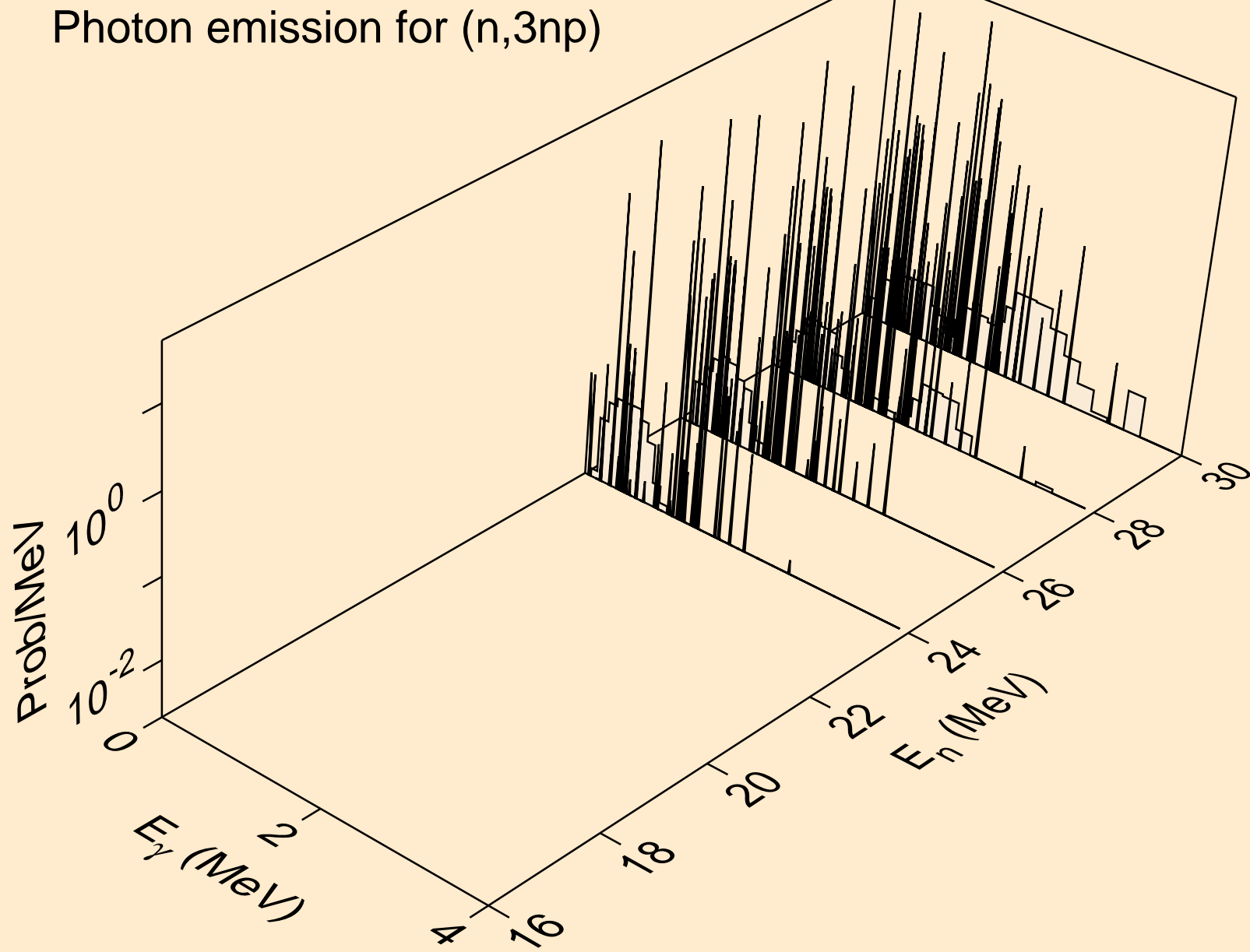
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,4n)



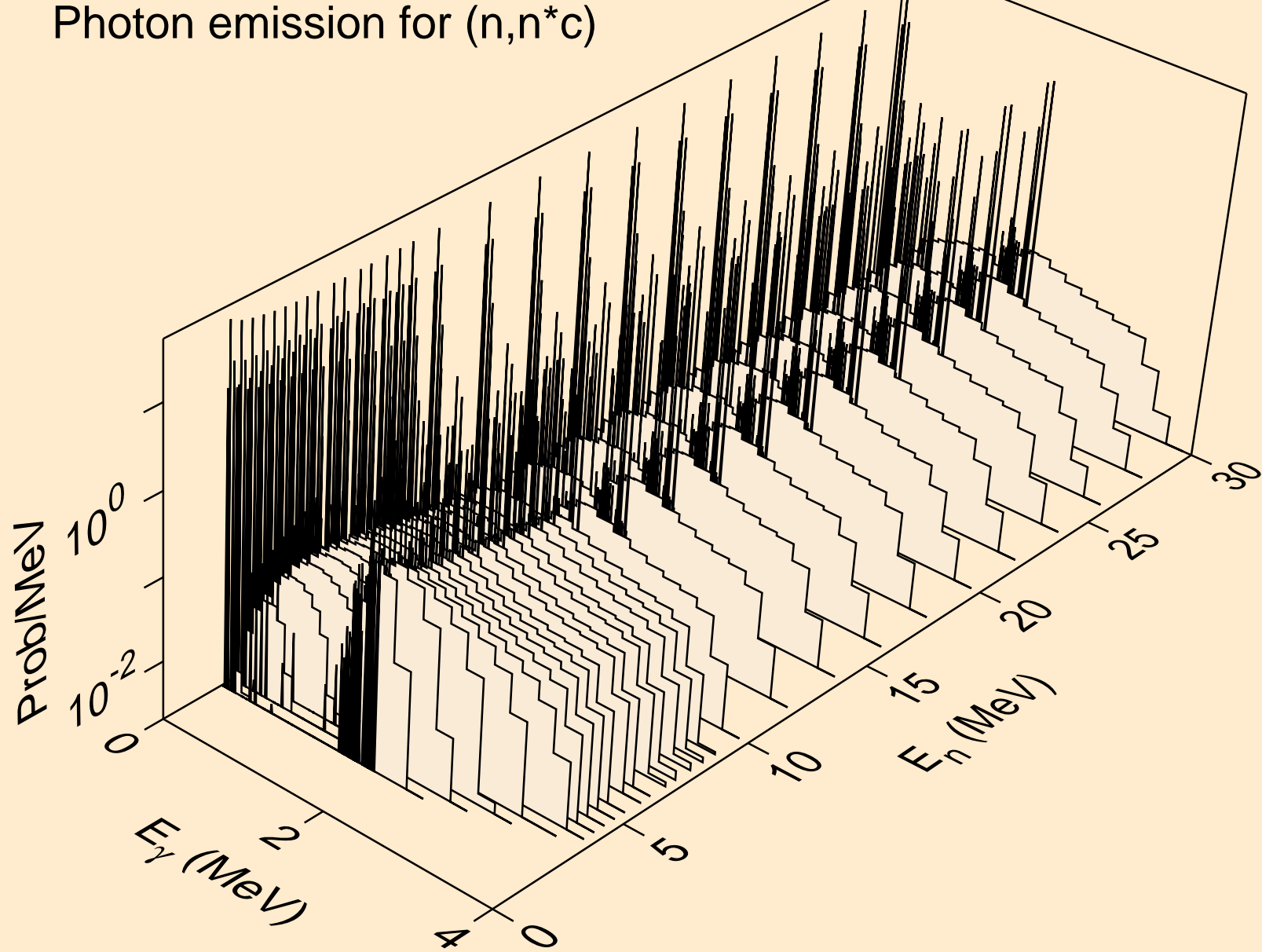
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2np)



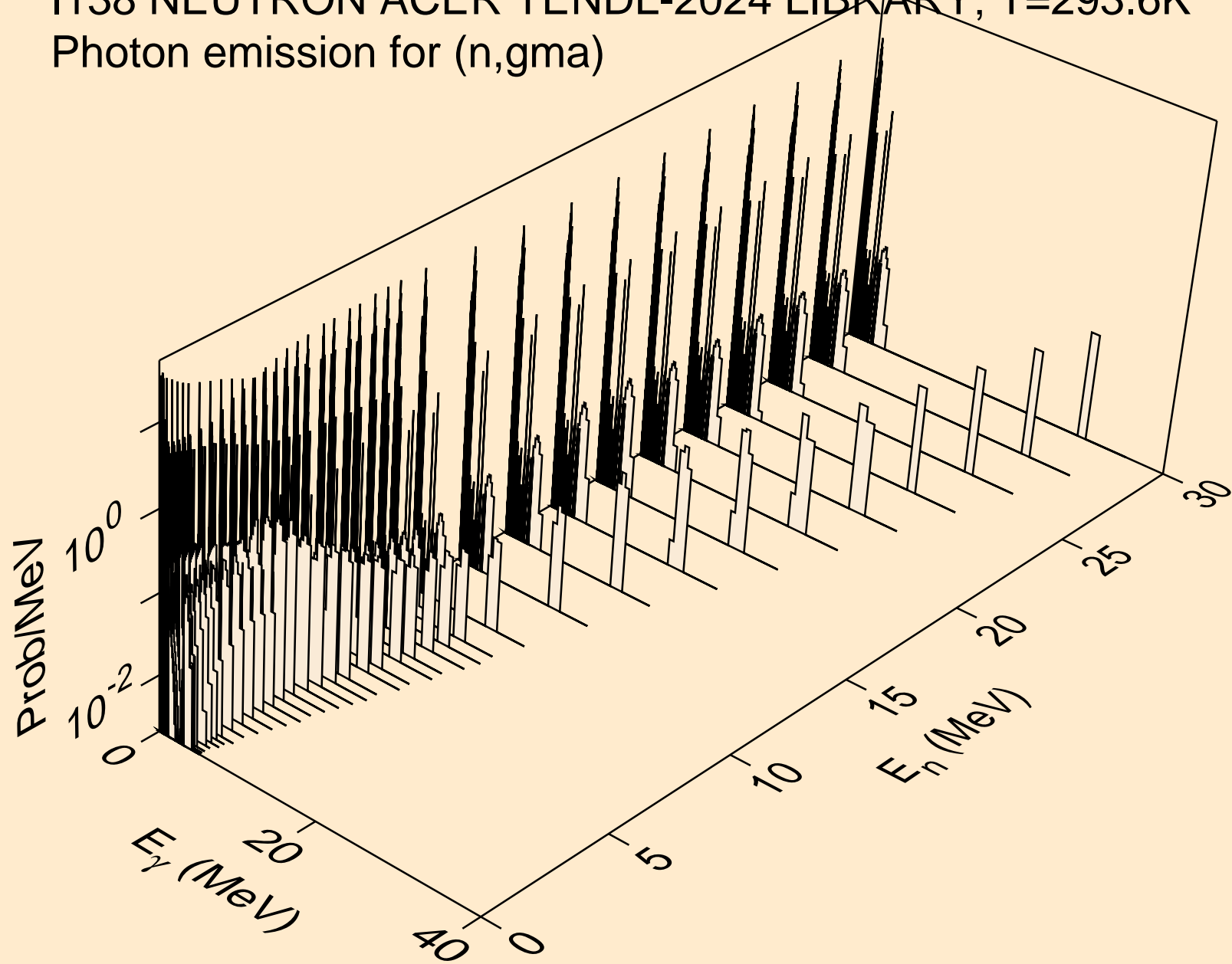
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3np)



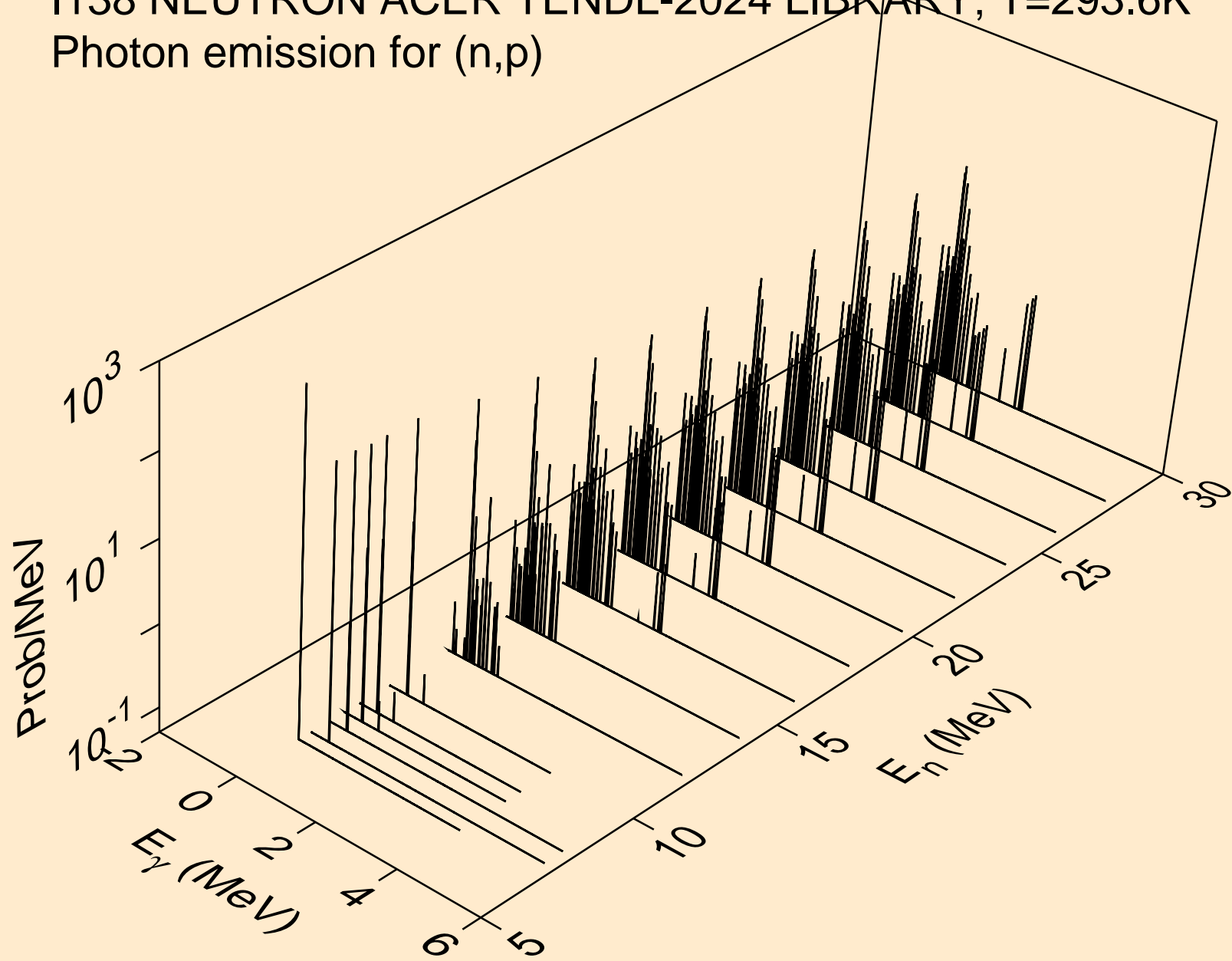
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*c)



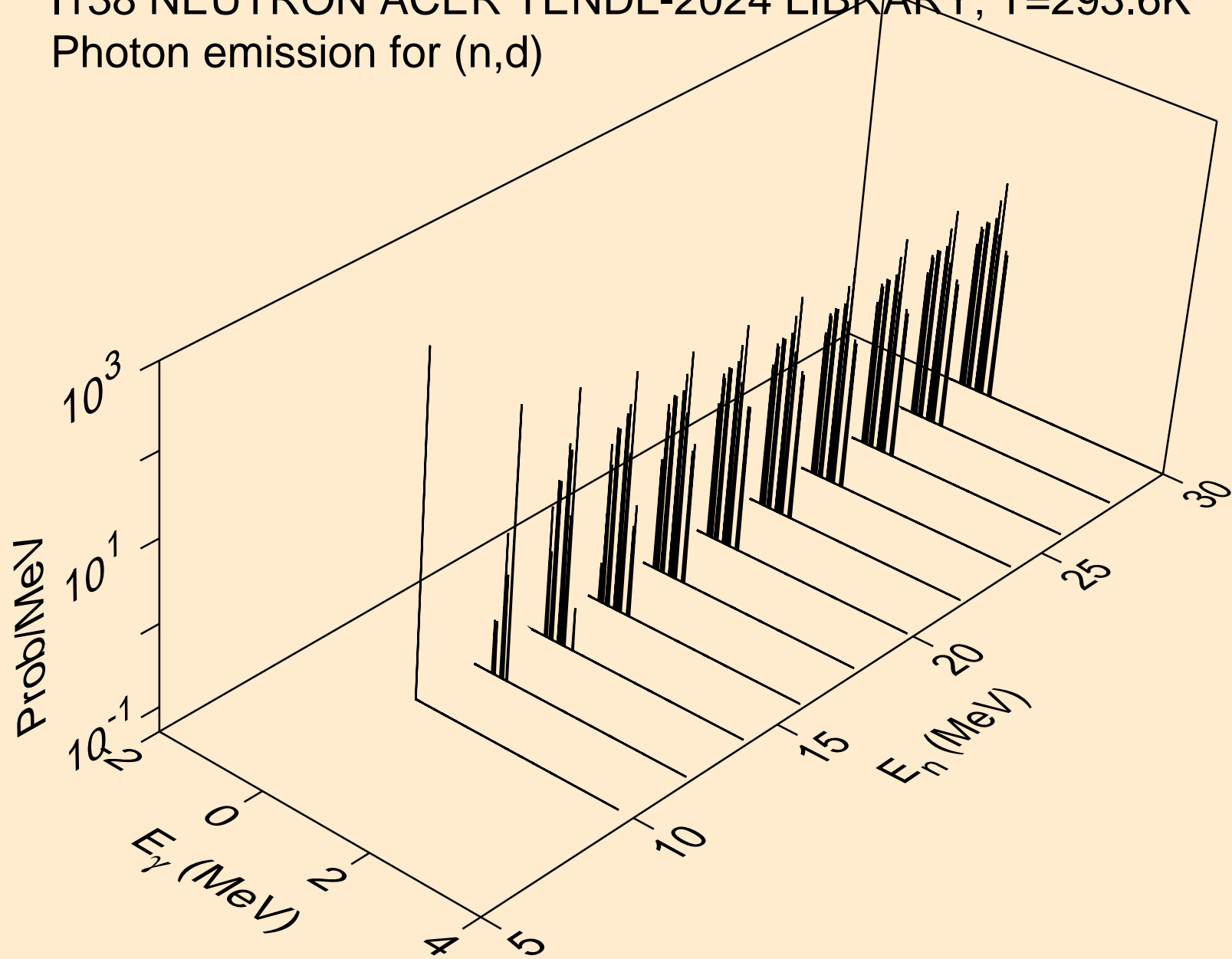
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,gma)



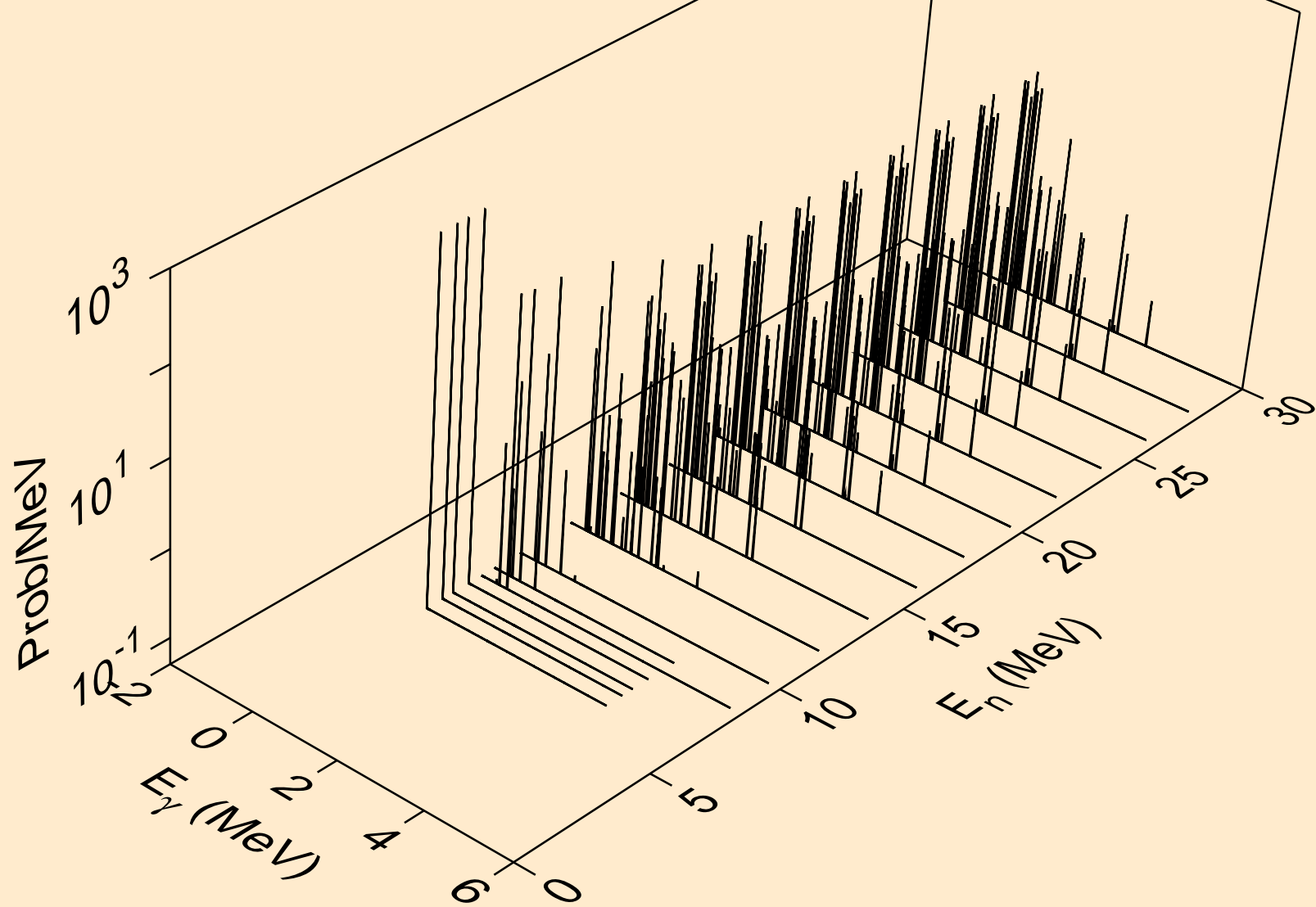
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)



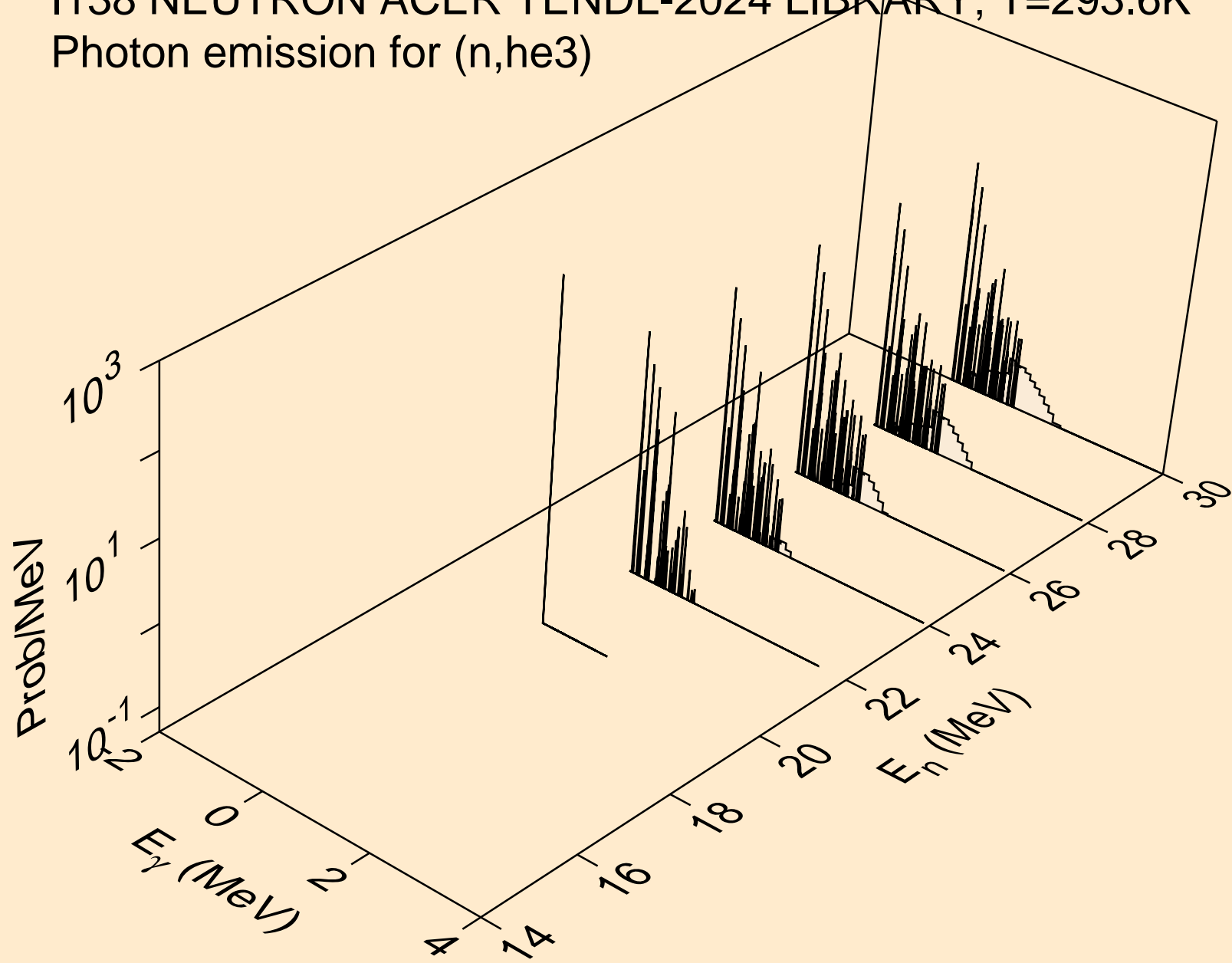
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d)



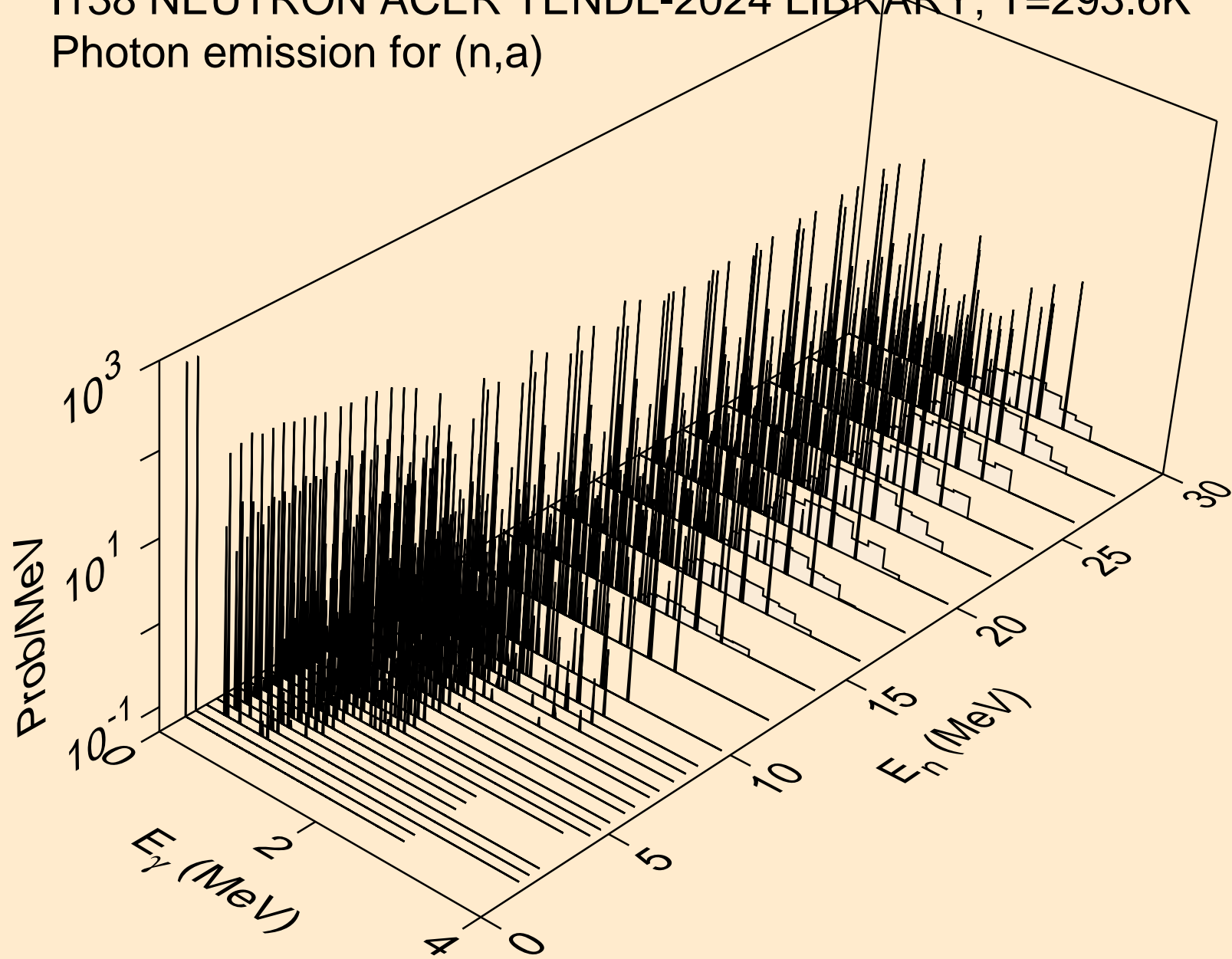
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t)



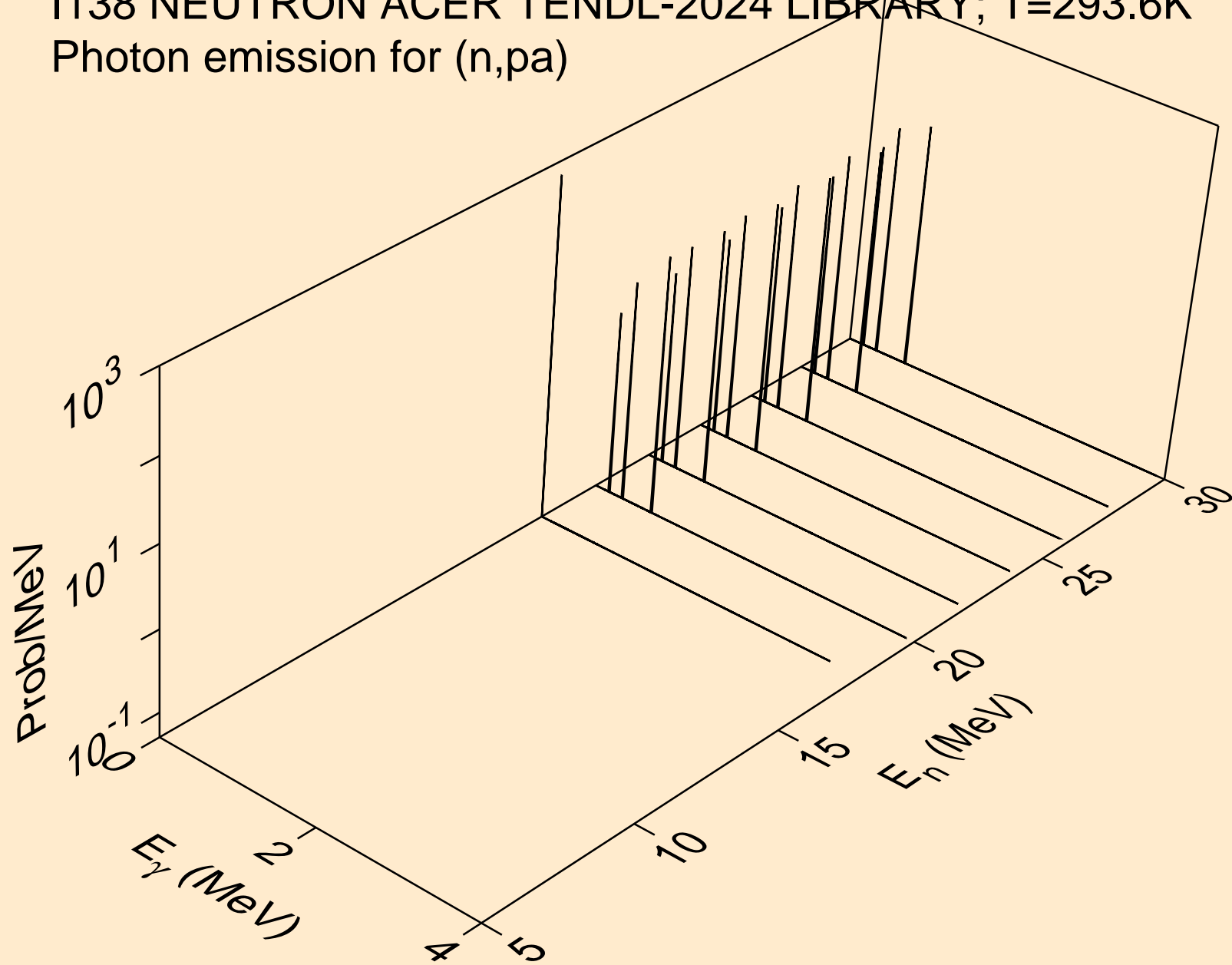
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,he3)



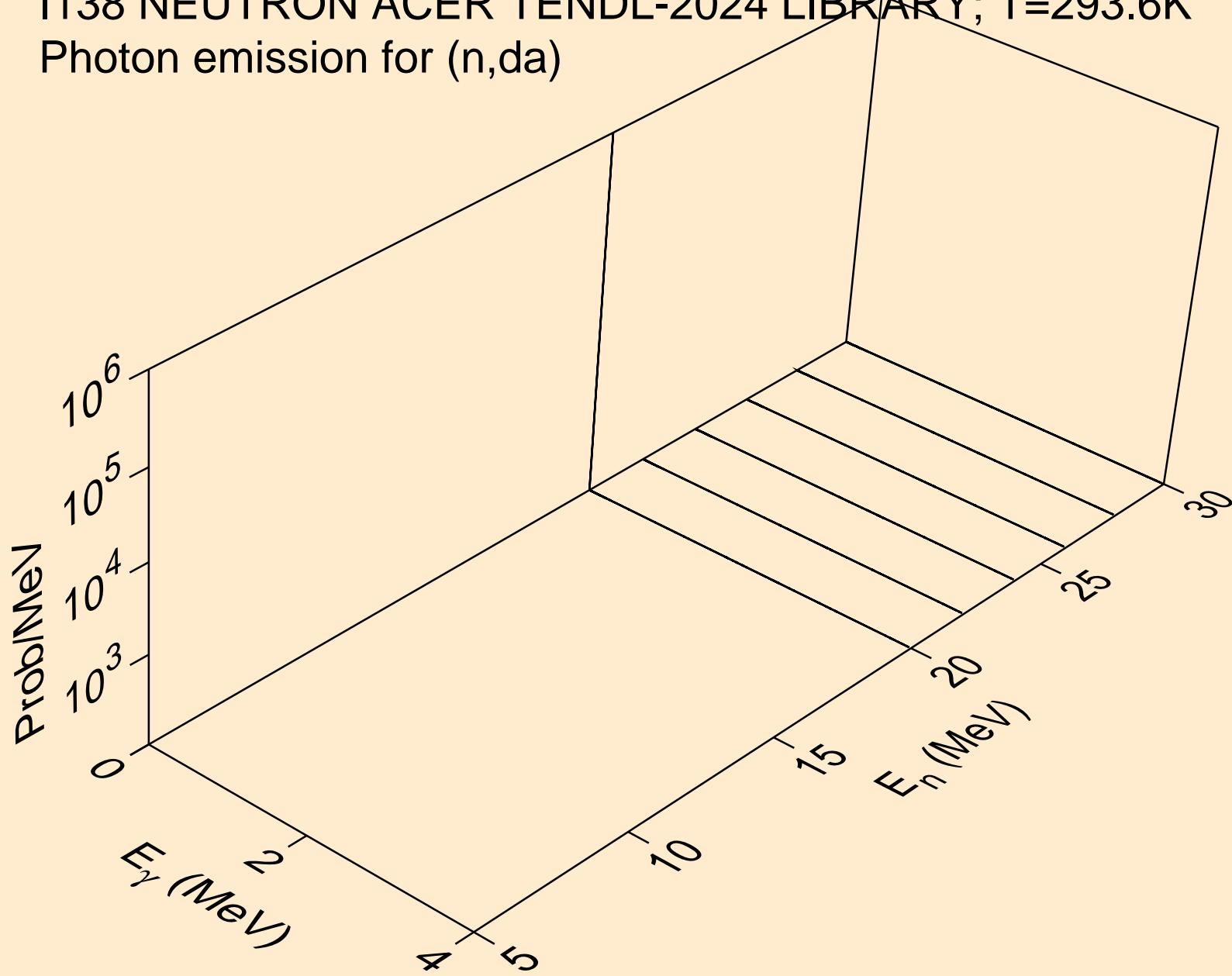
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,a)



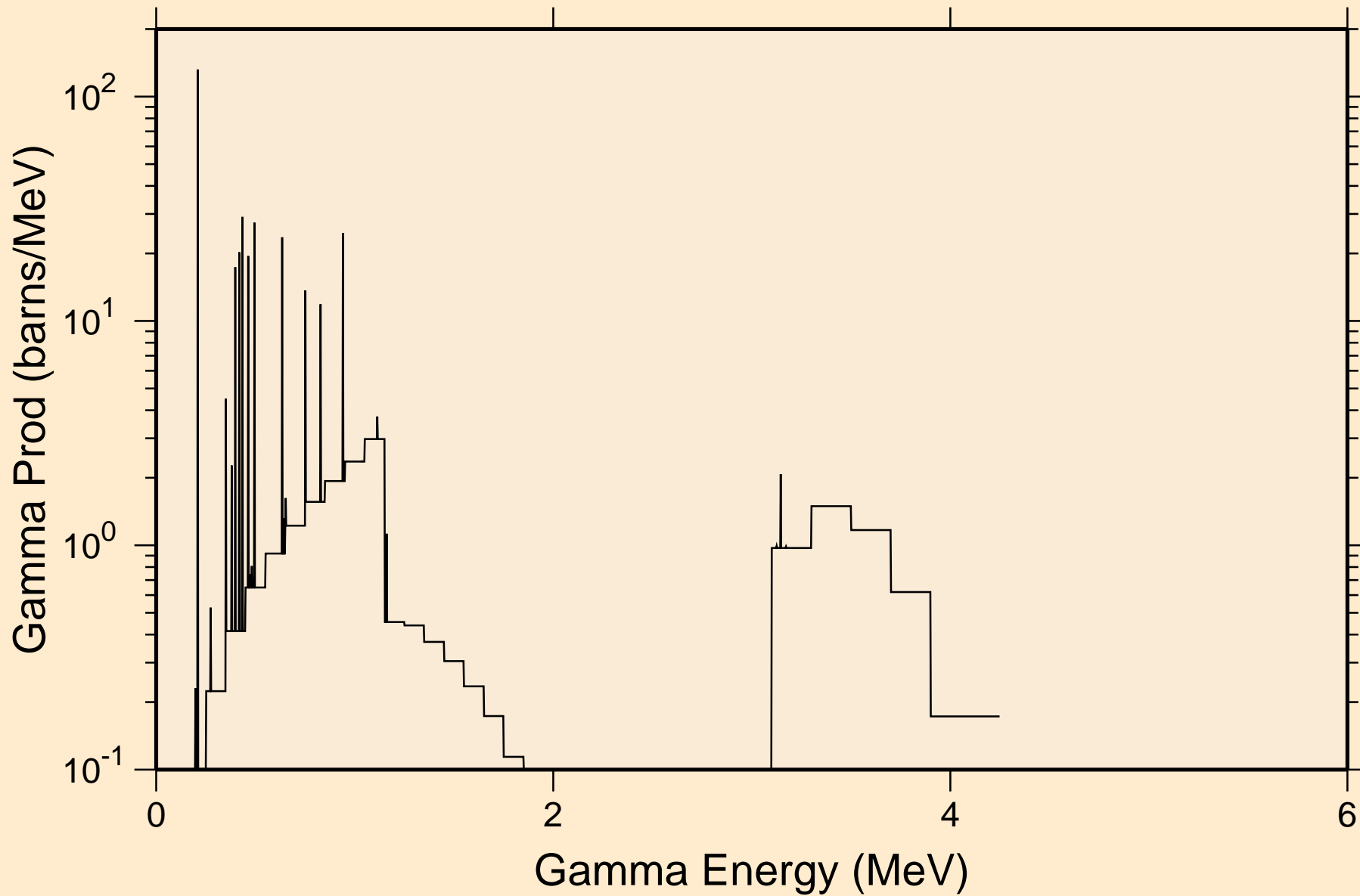
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Photon emission for (n,p α)



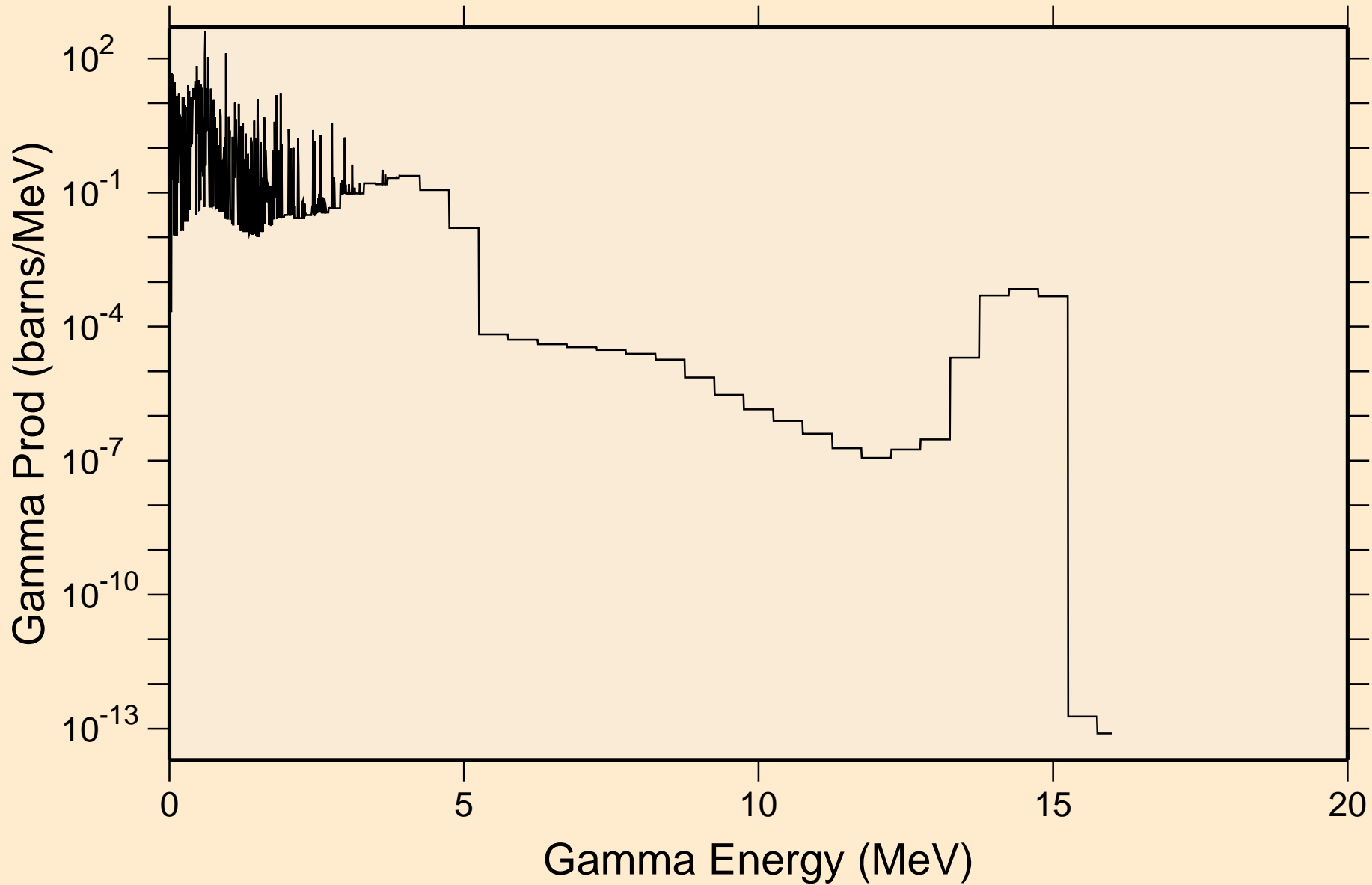
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,da)



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum

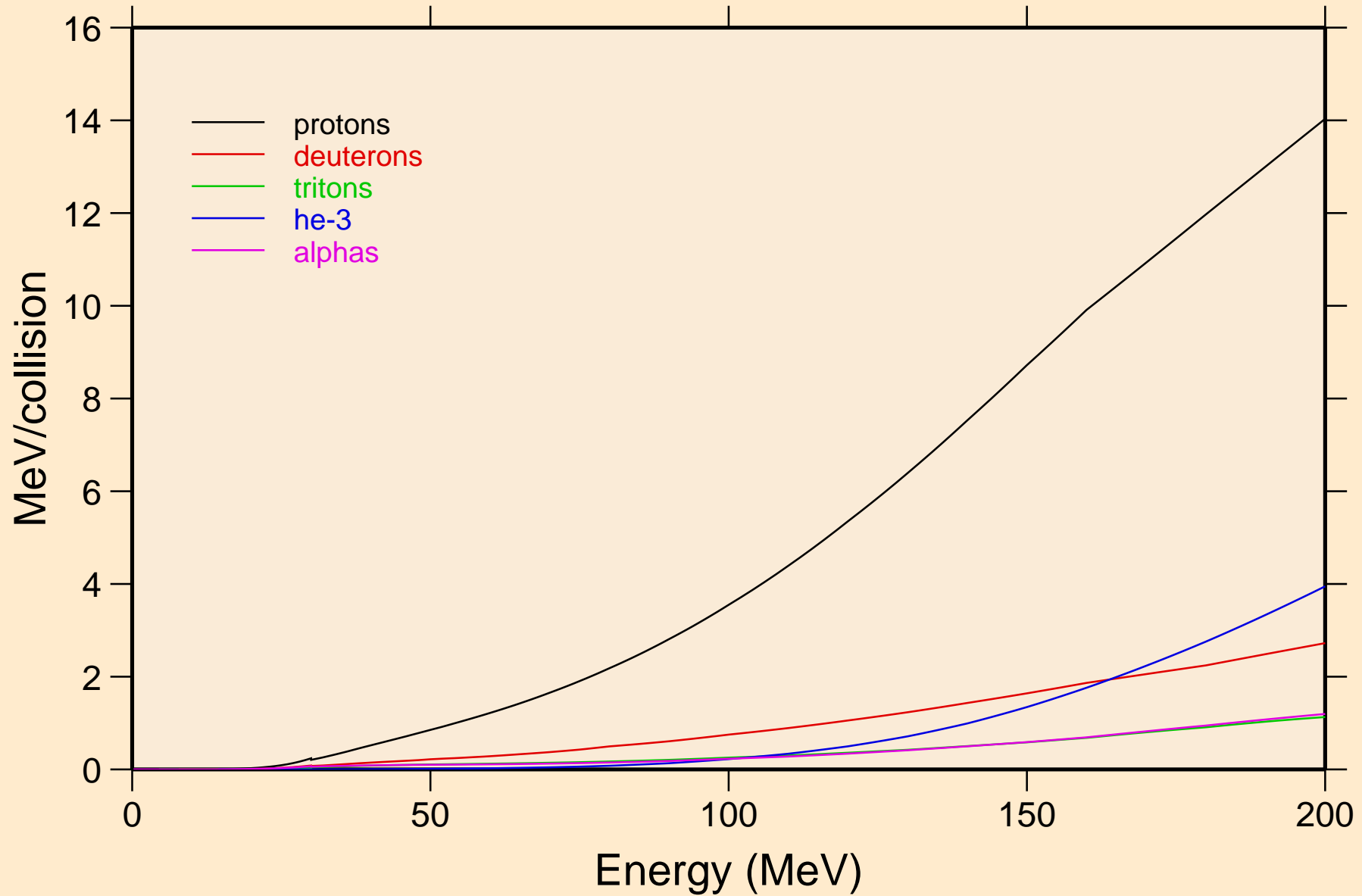


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum



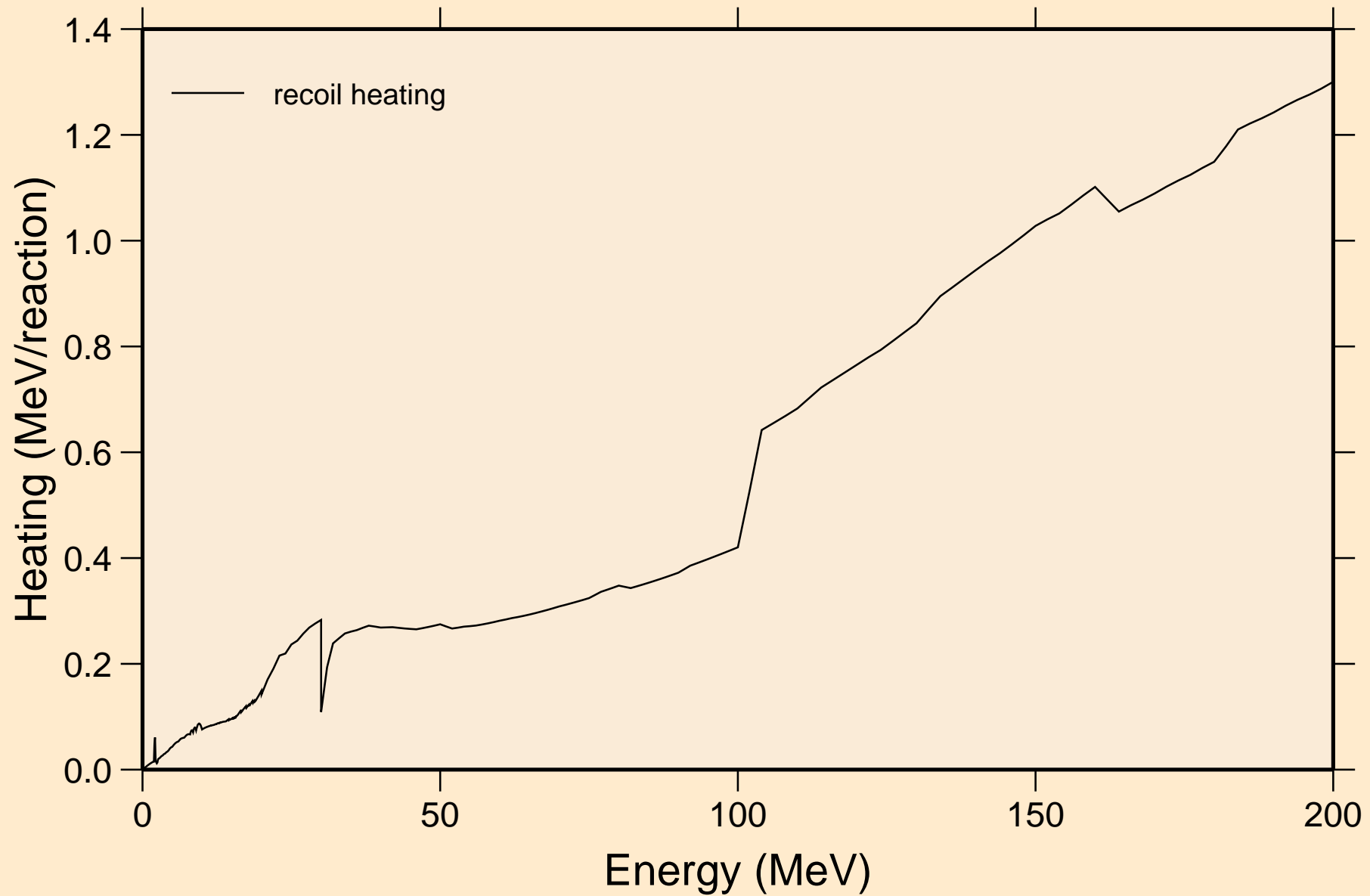
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Particle heating contributions



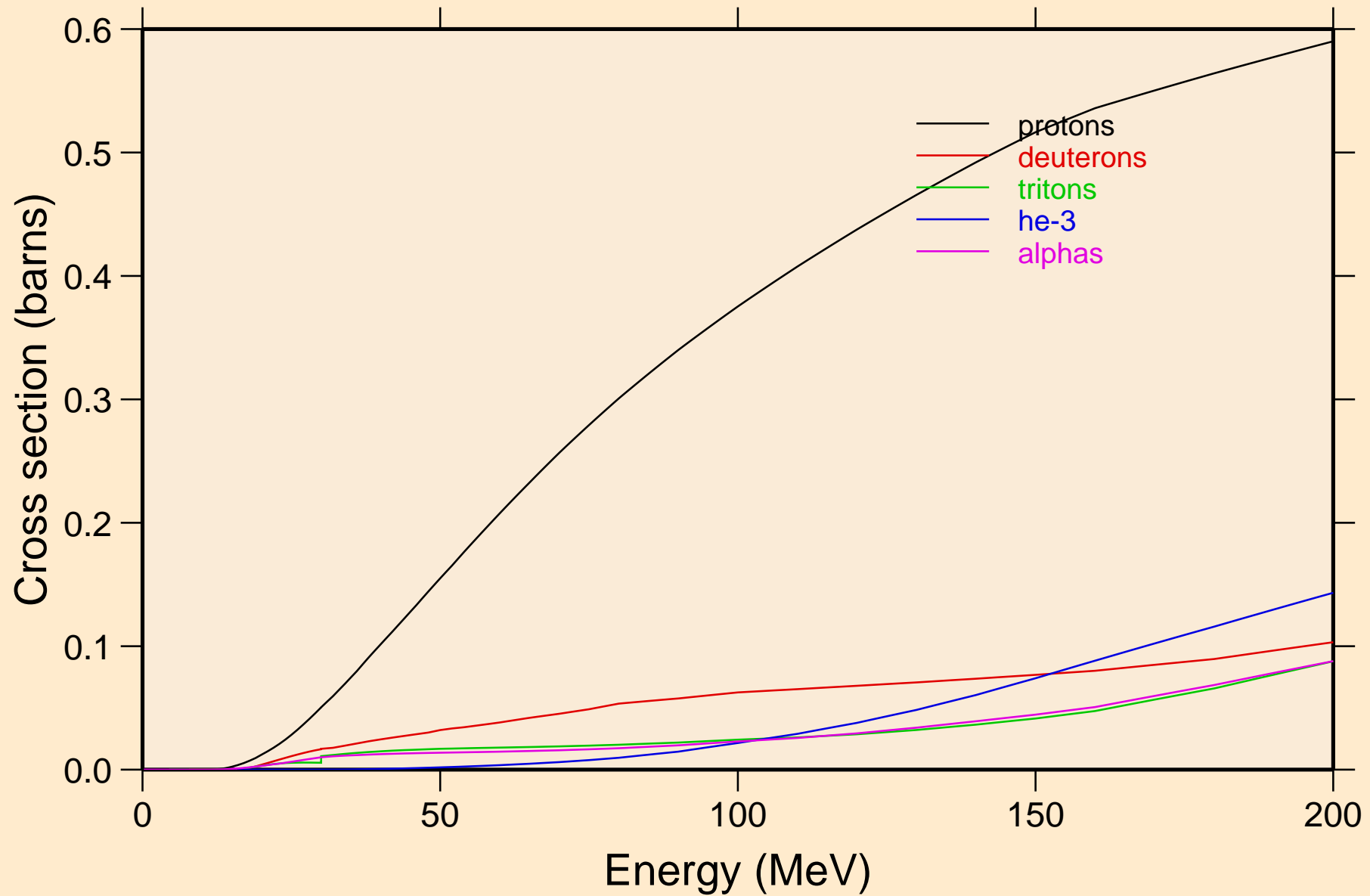
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Recoil Heating

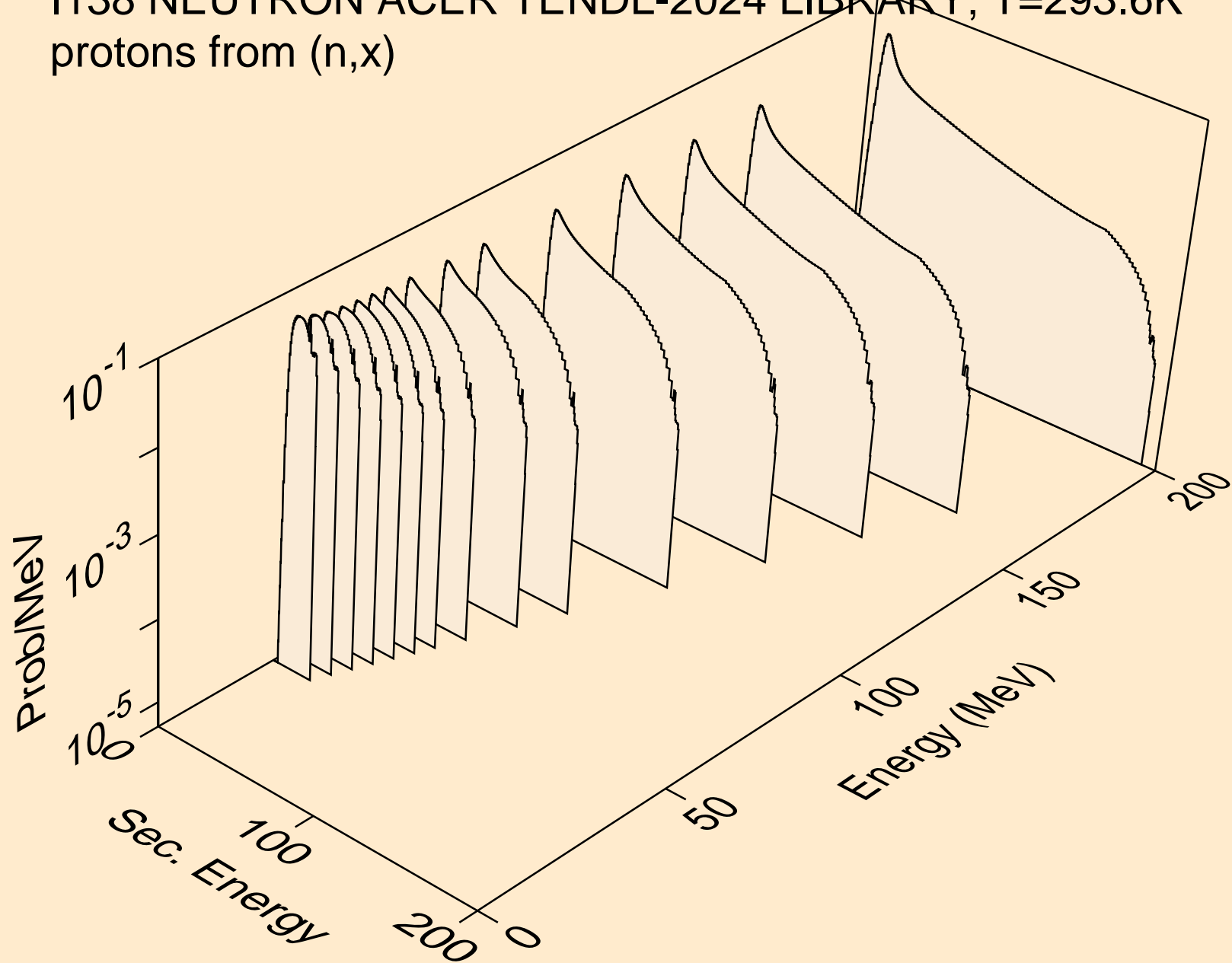


I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

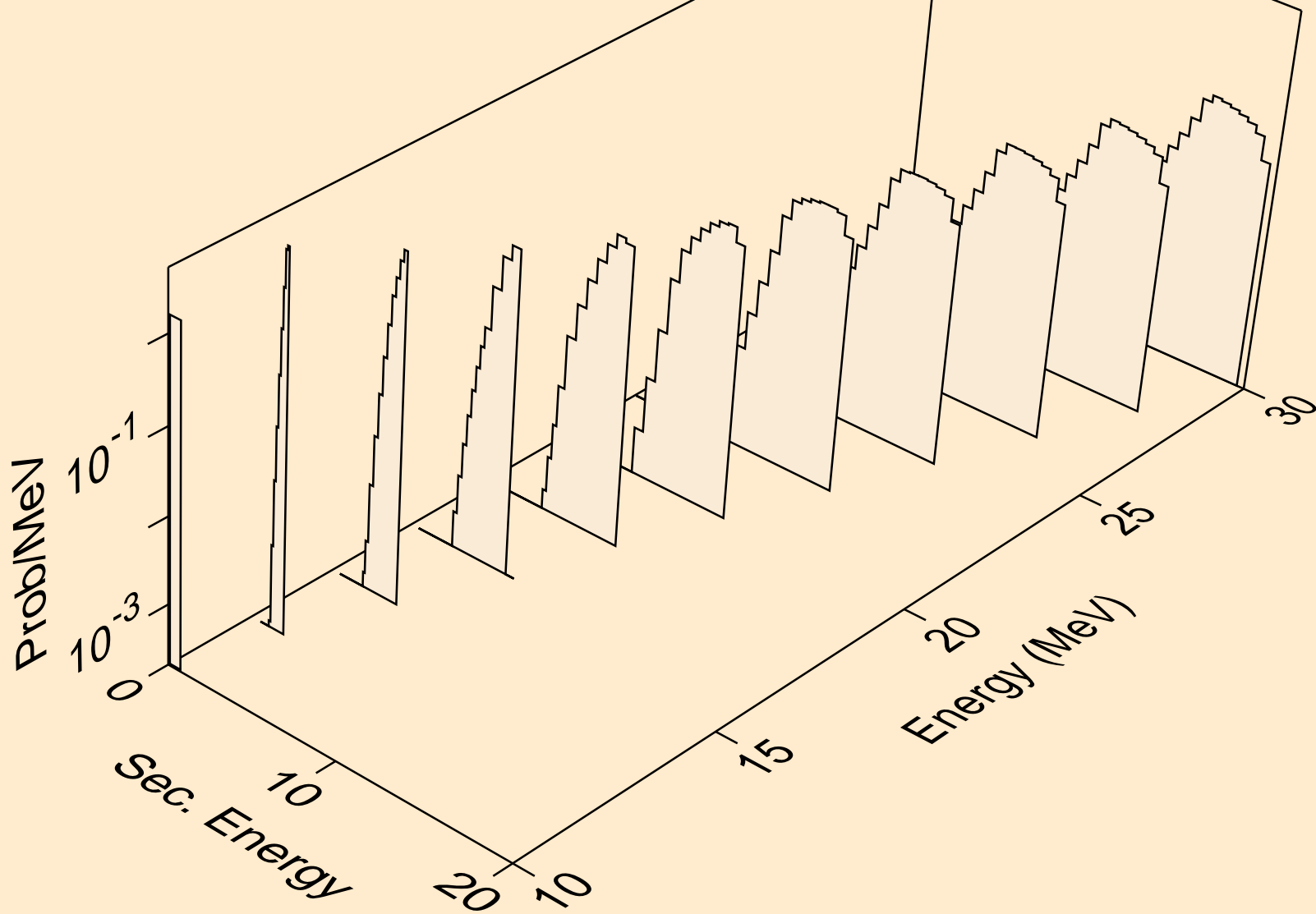
Particle production cross sections



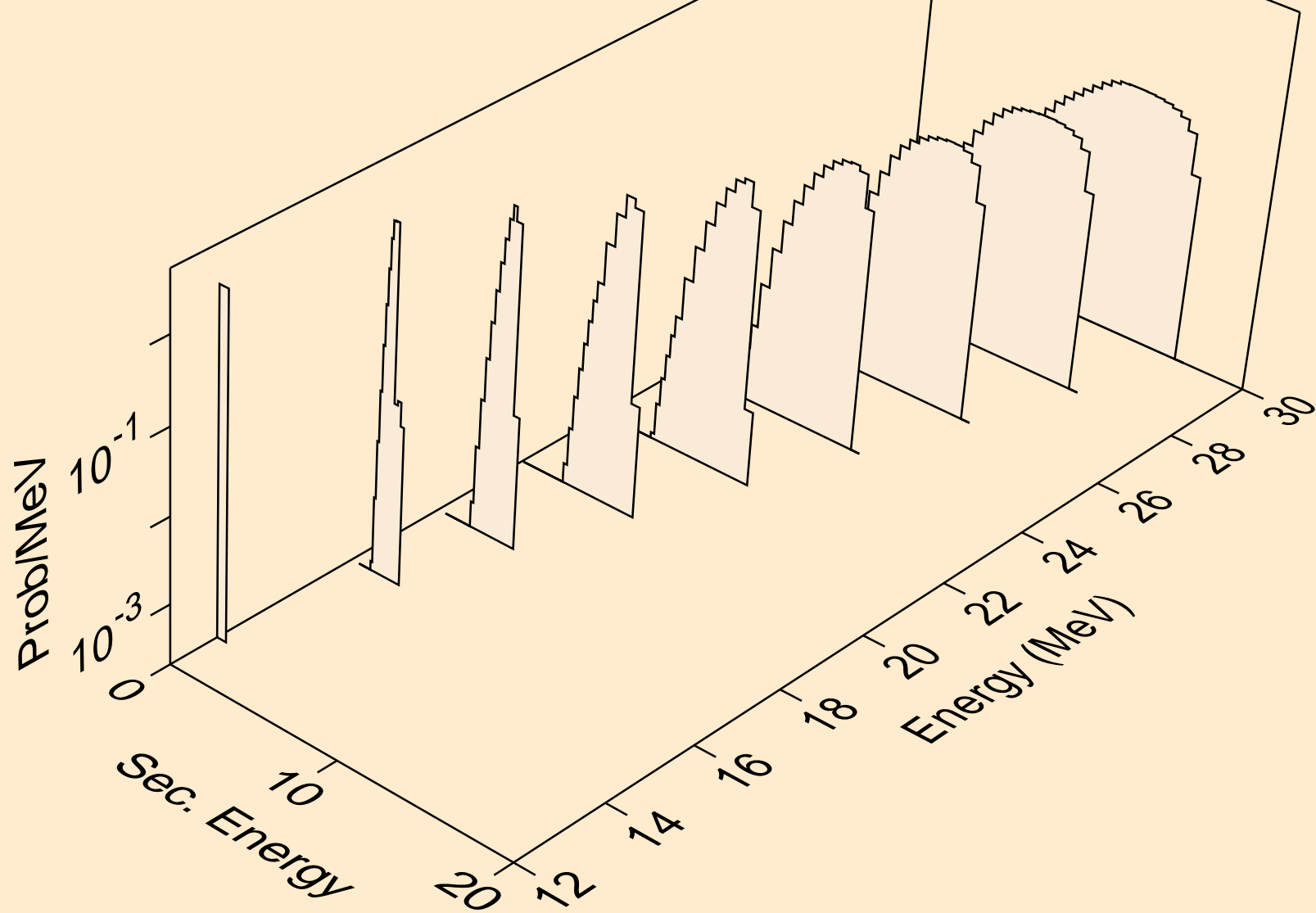
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)



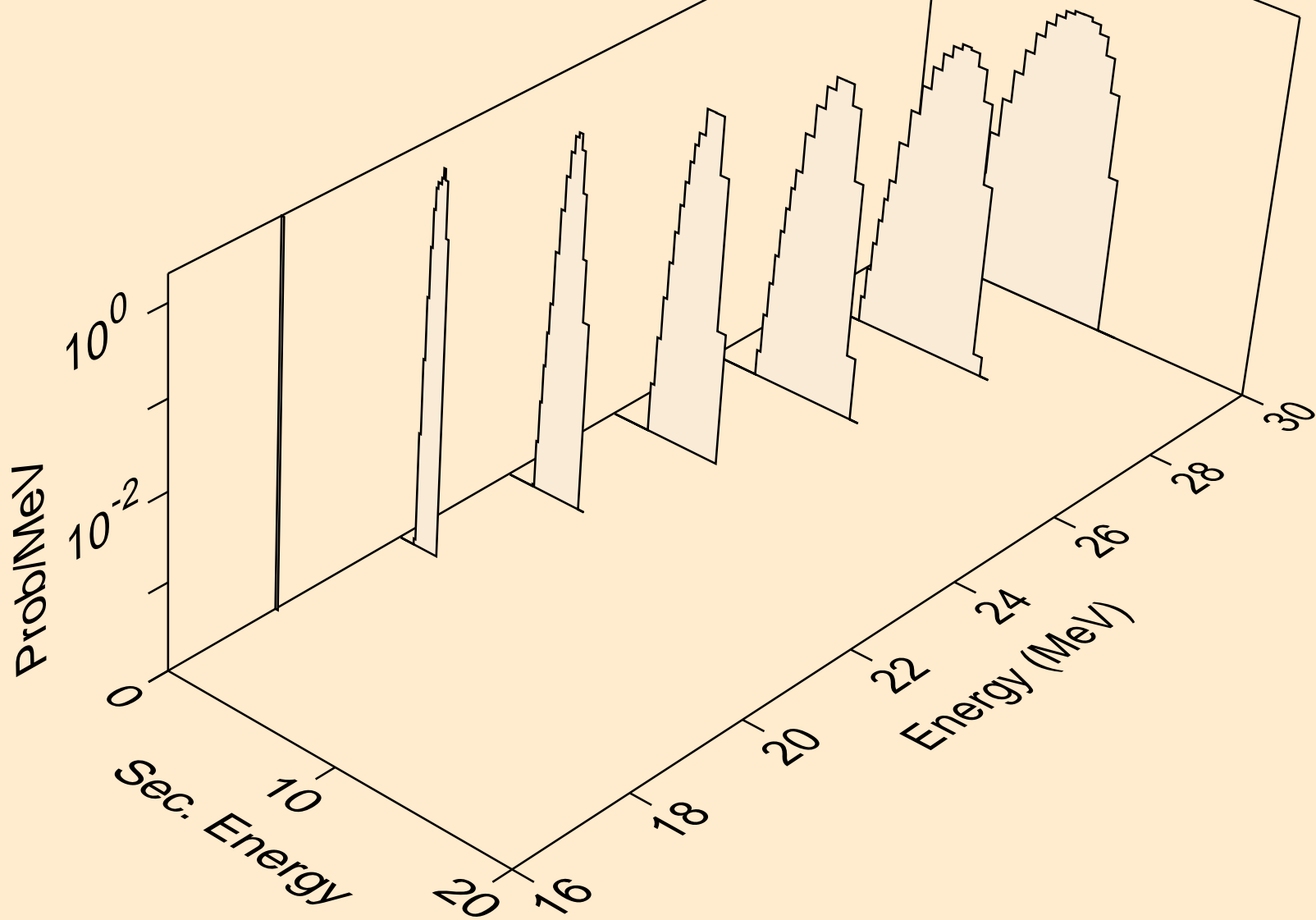
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p



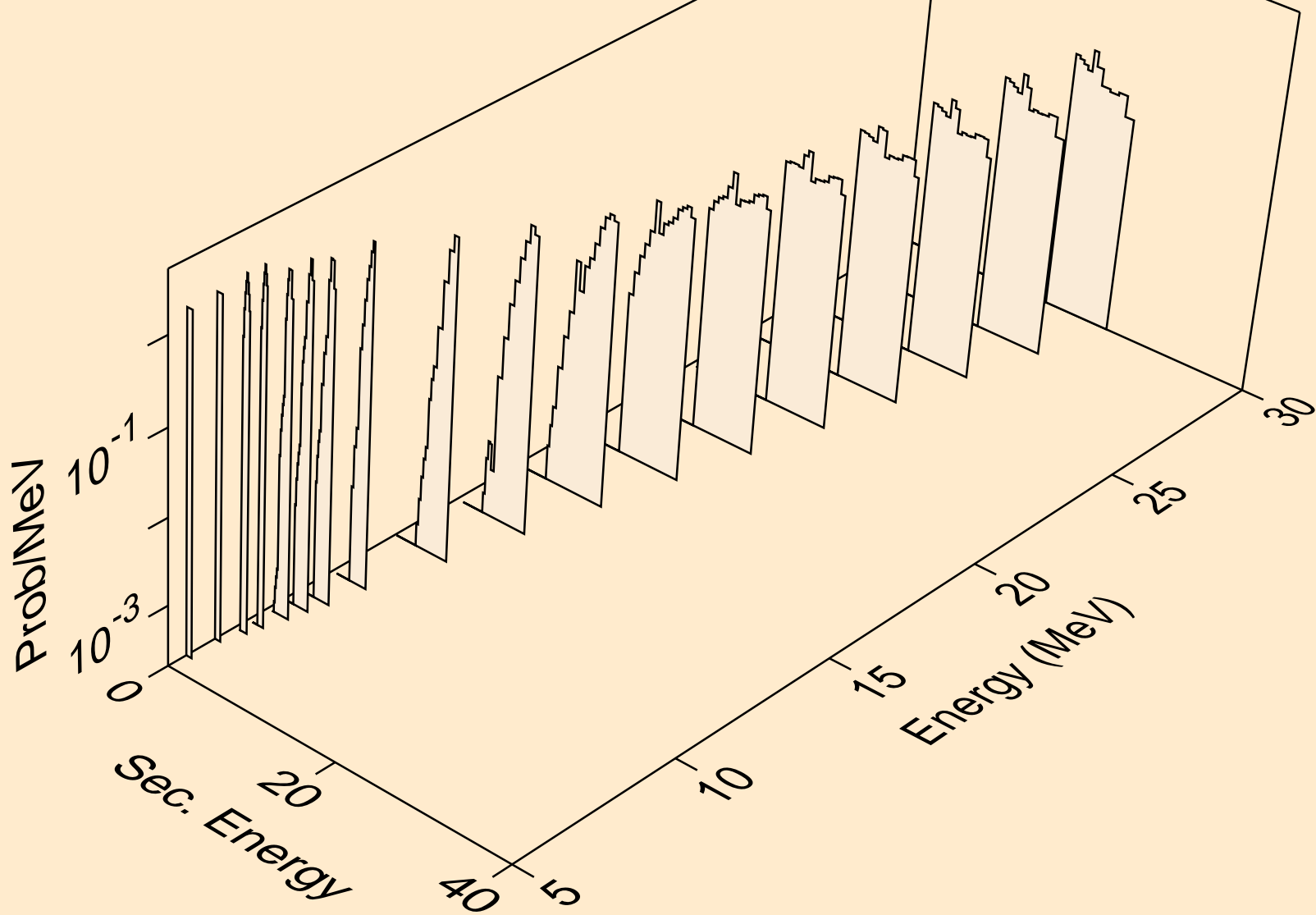
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2np)



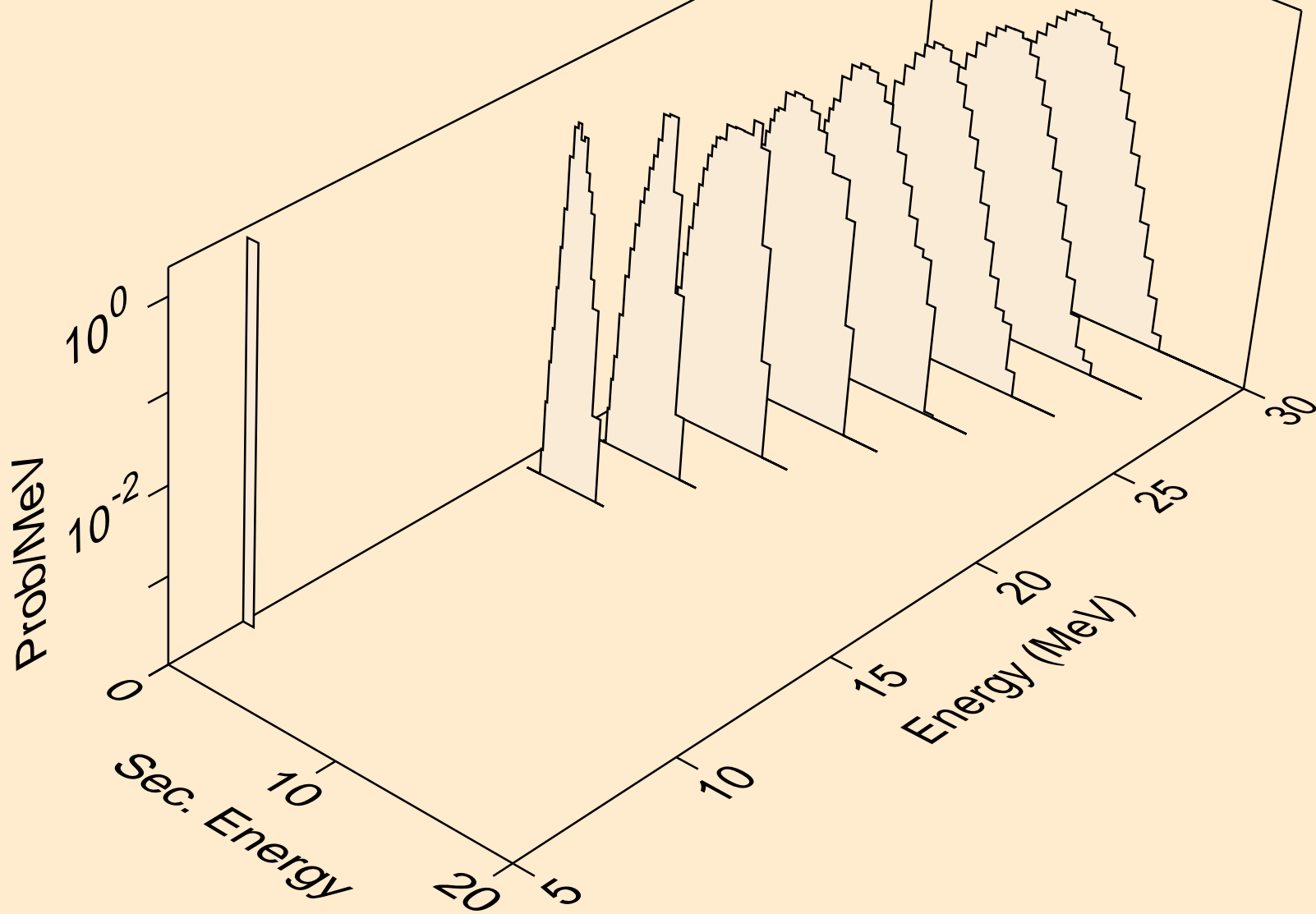
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,3np)



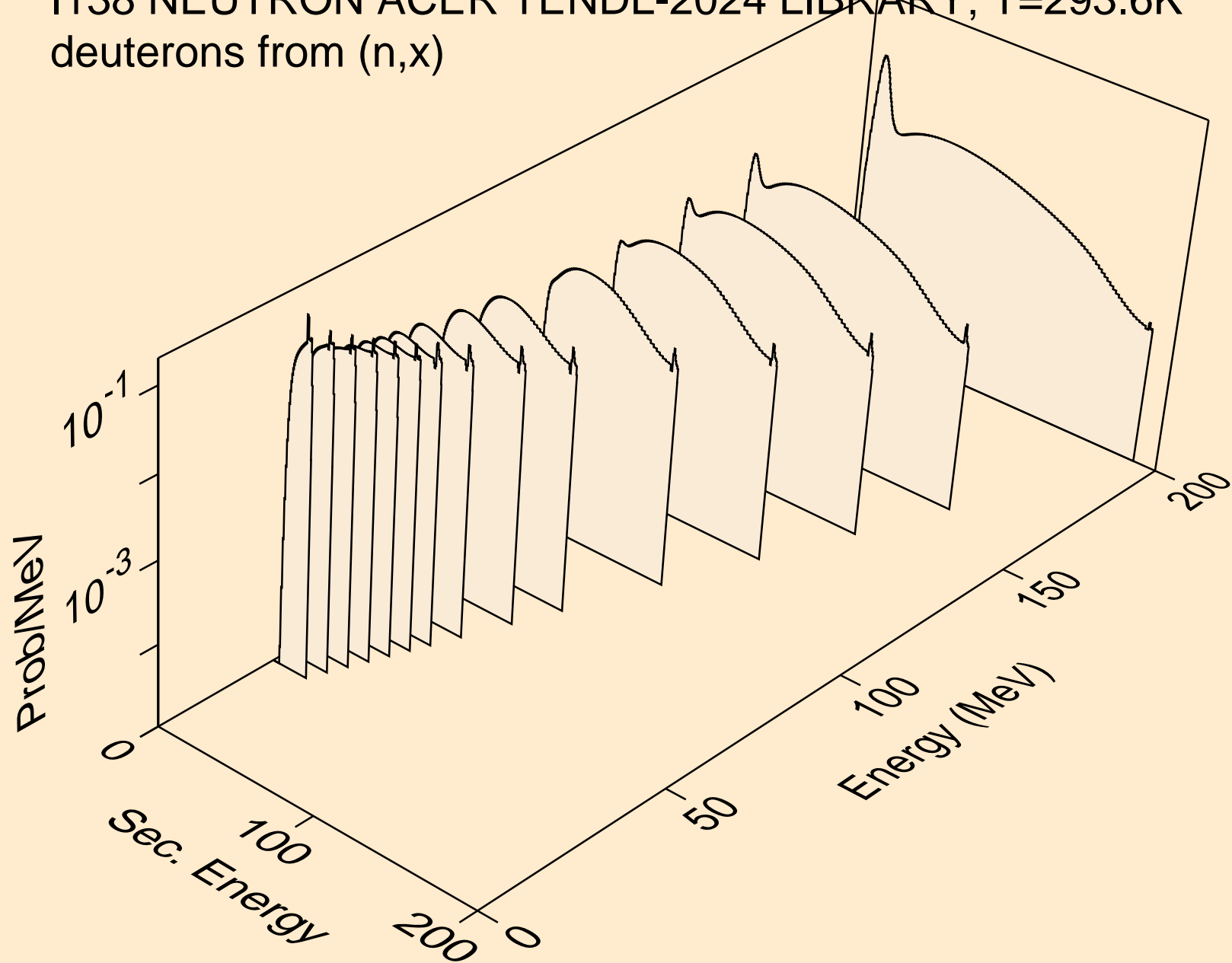
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protons from (n,p)



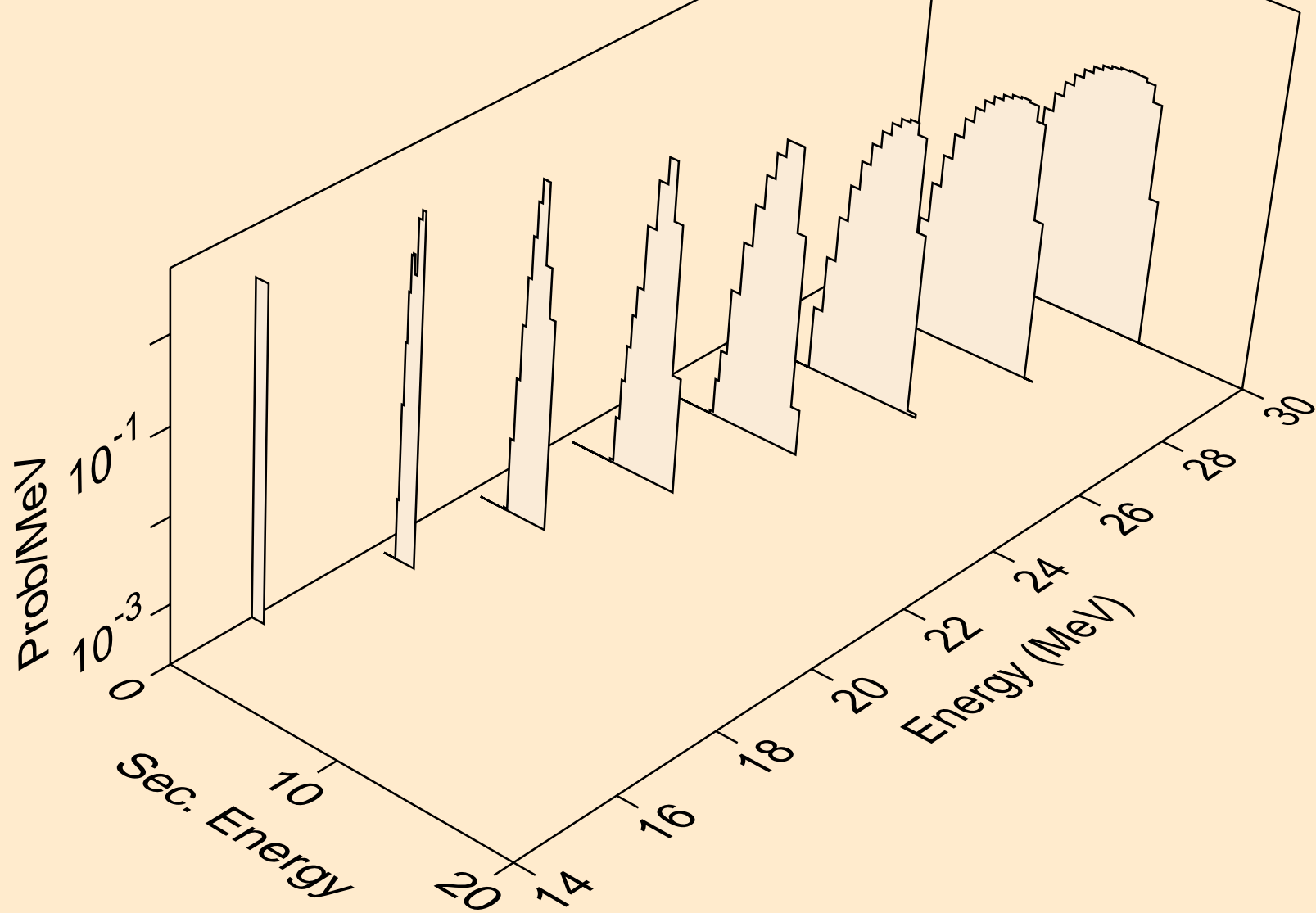
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protons from (n,p)



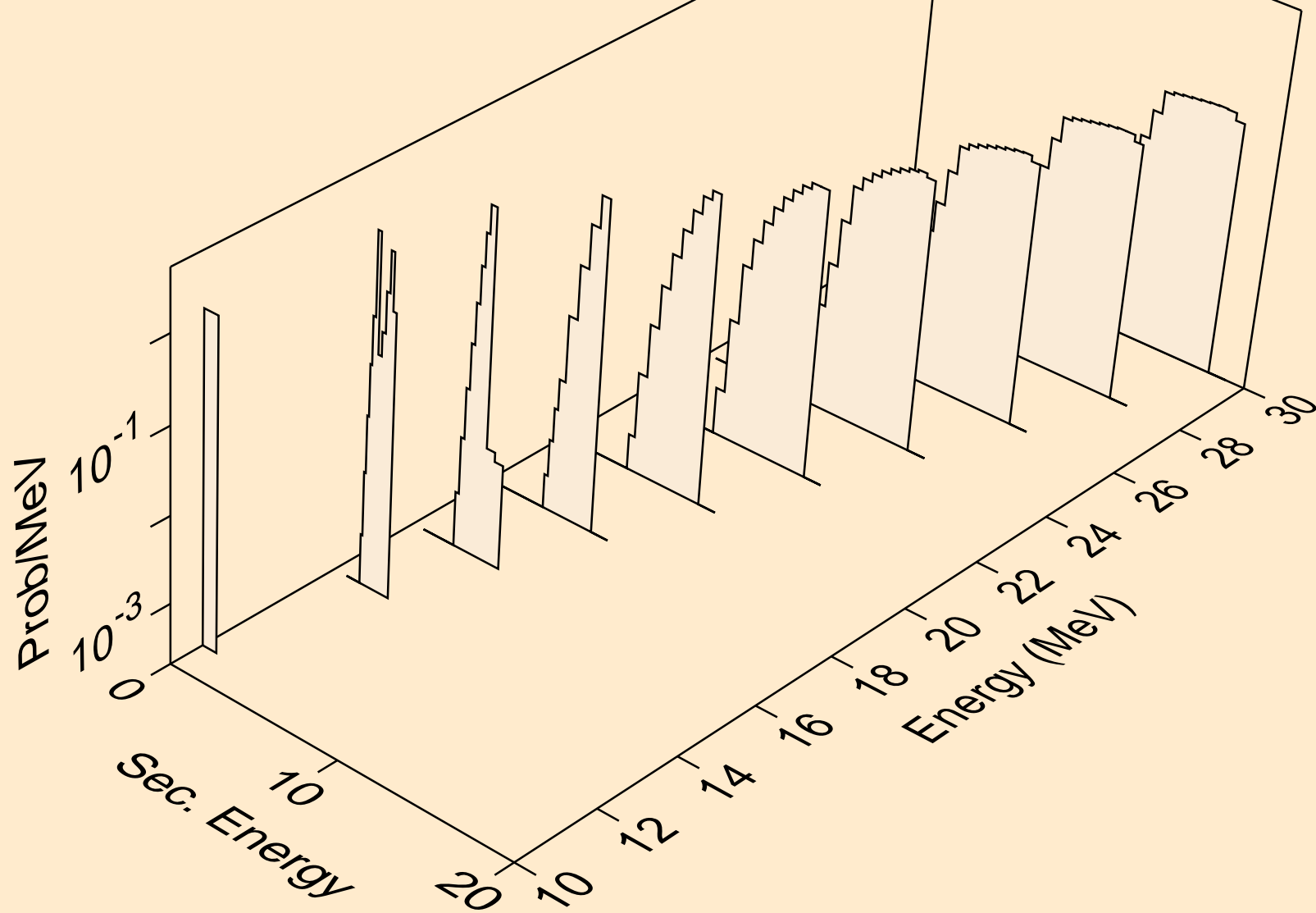
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,x)



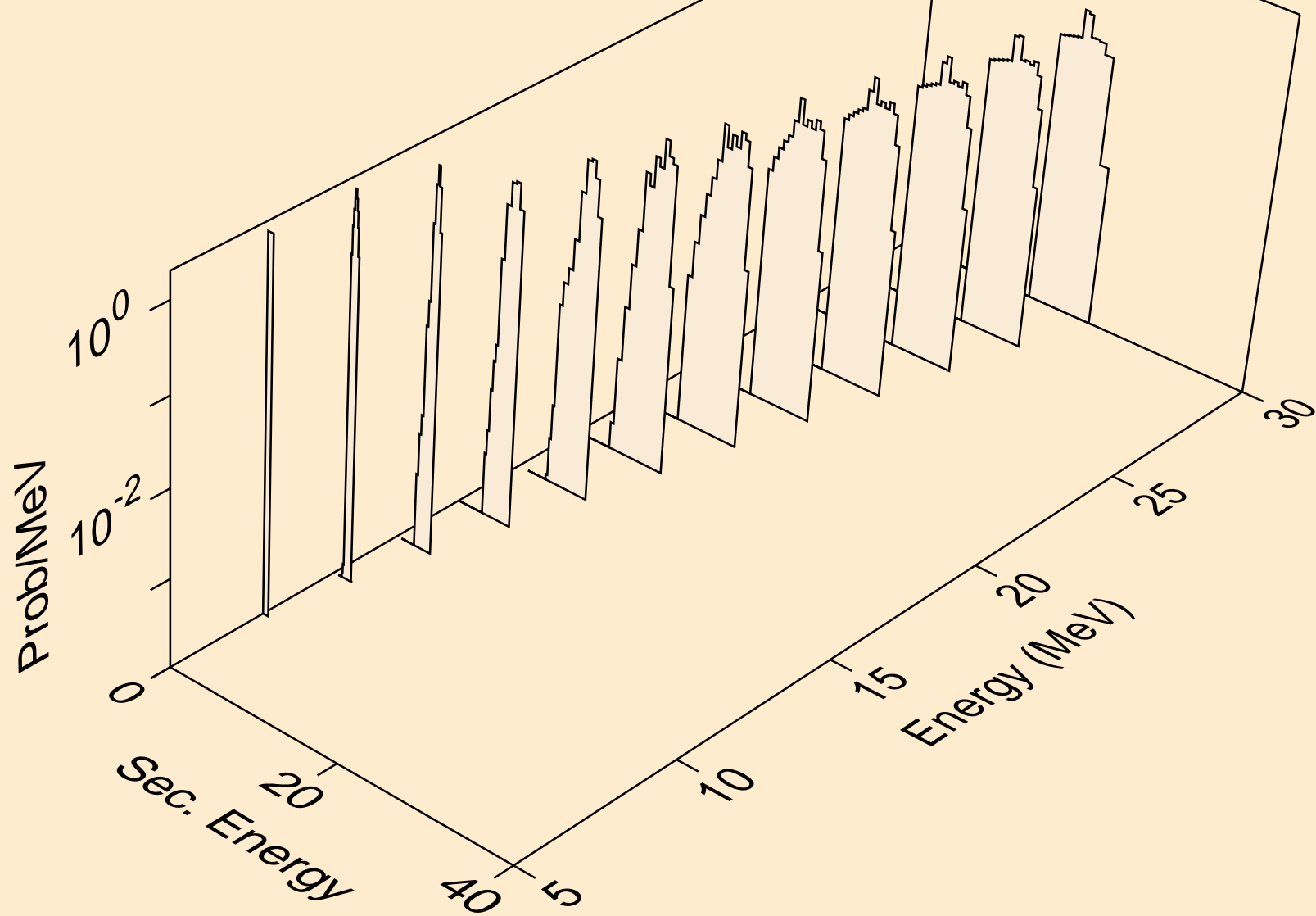
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,2nd)



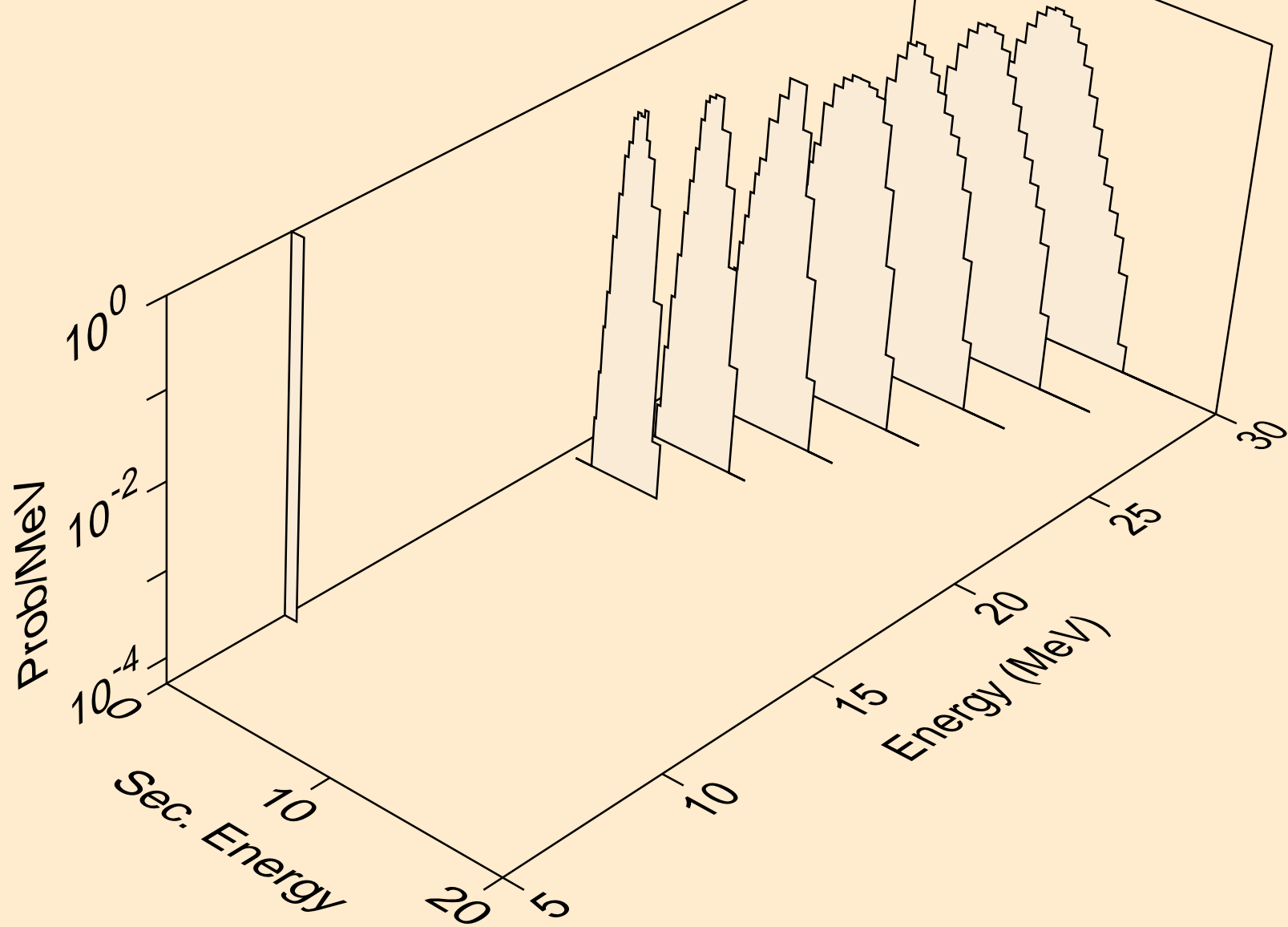
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d



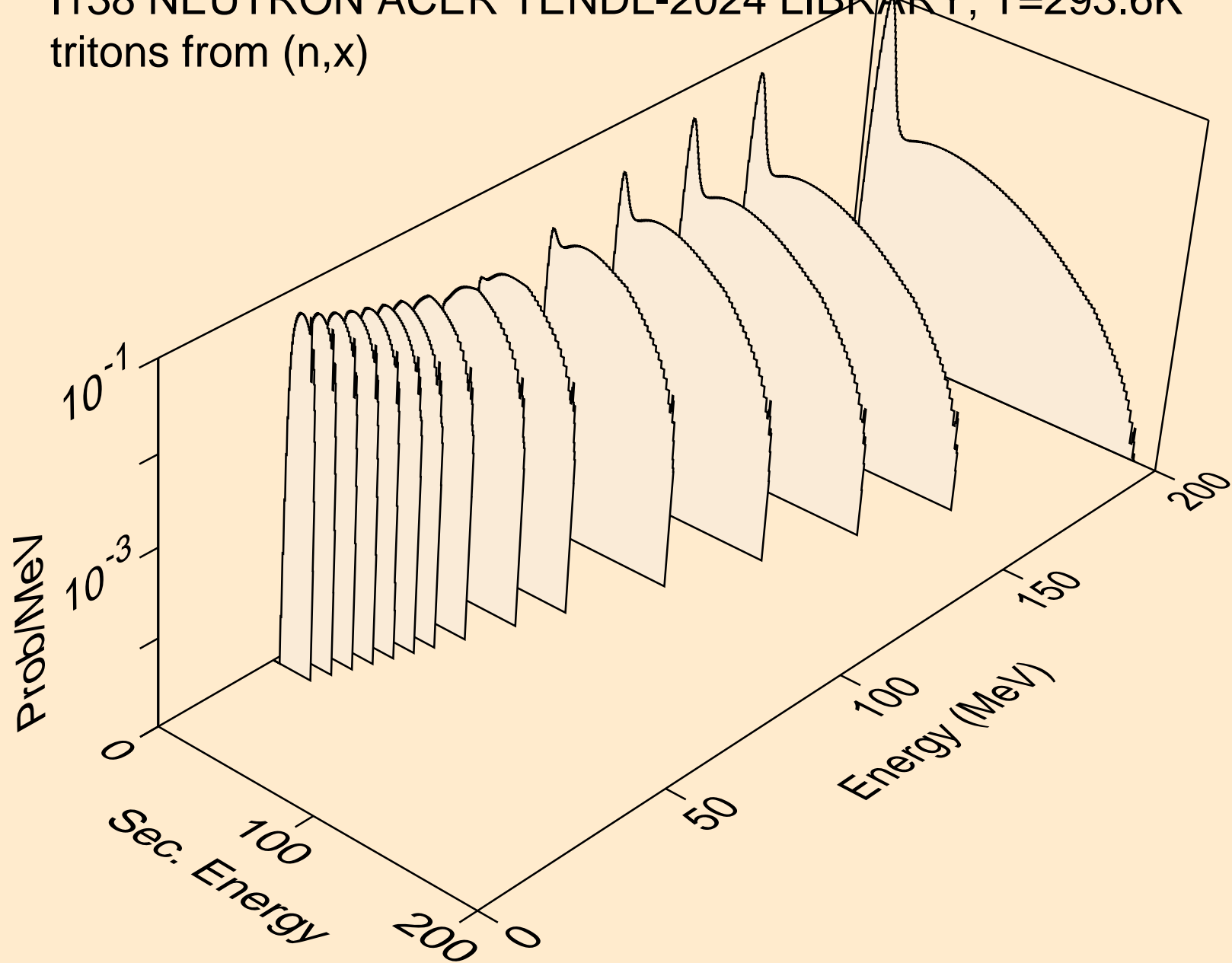
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deuterons from (n,d)



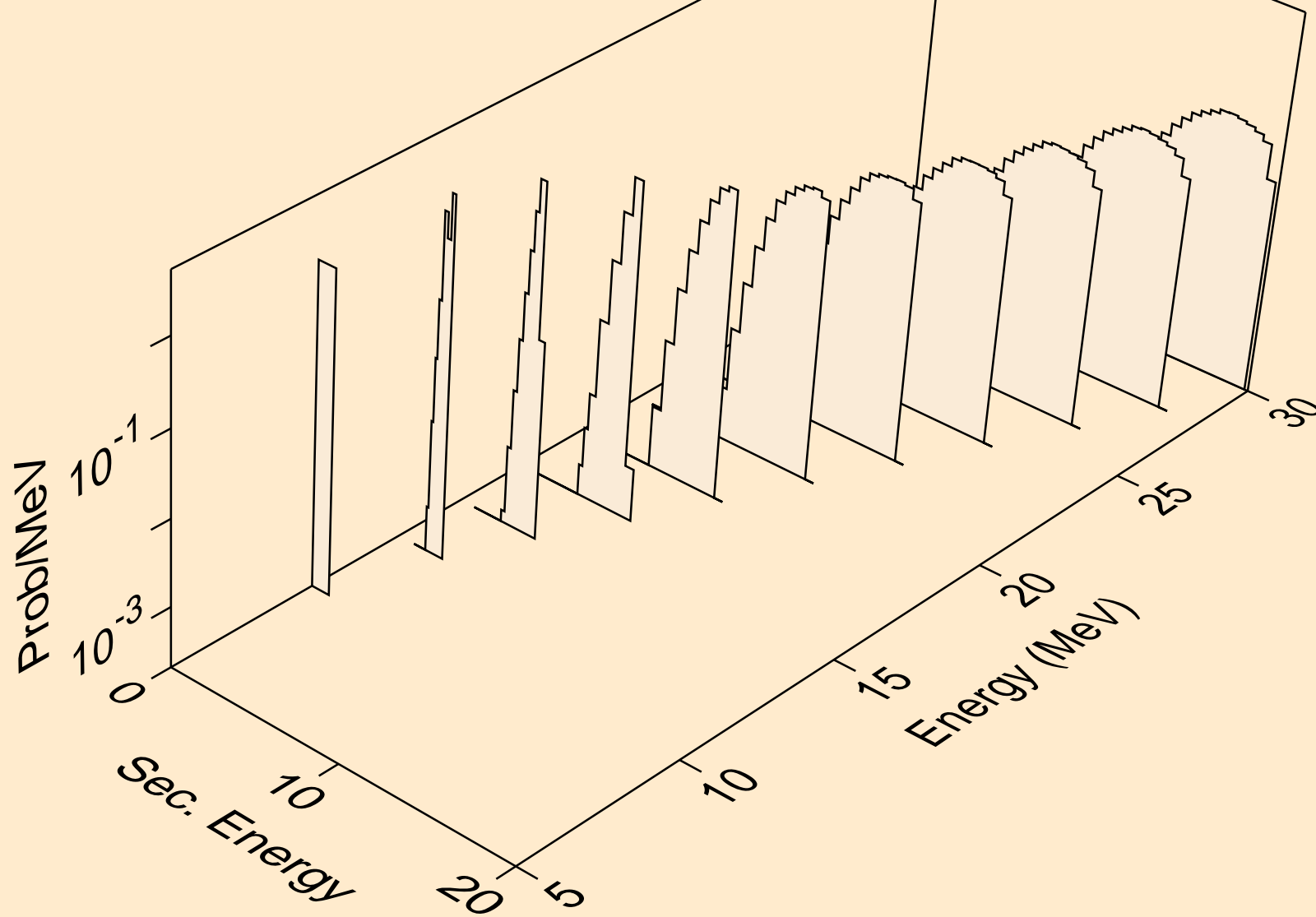
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deuterons from (n,da)



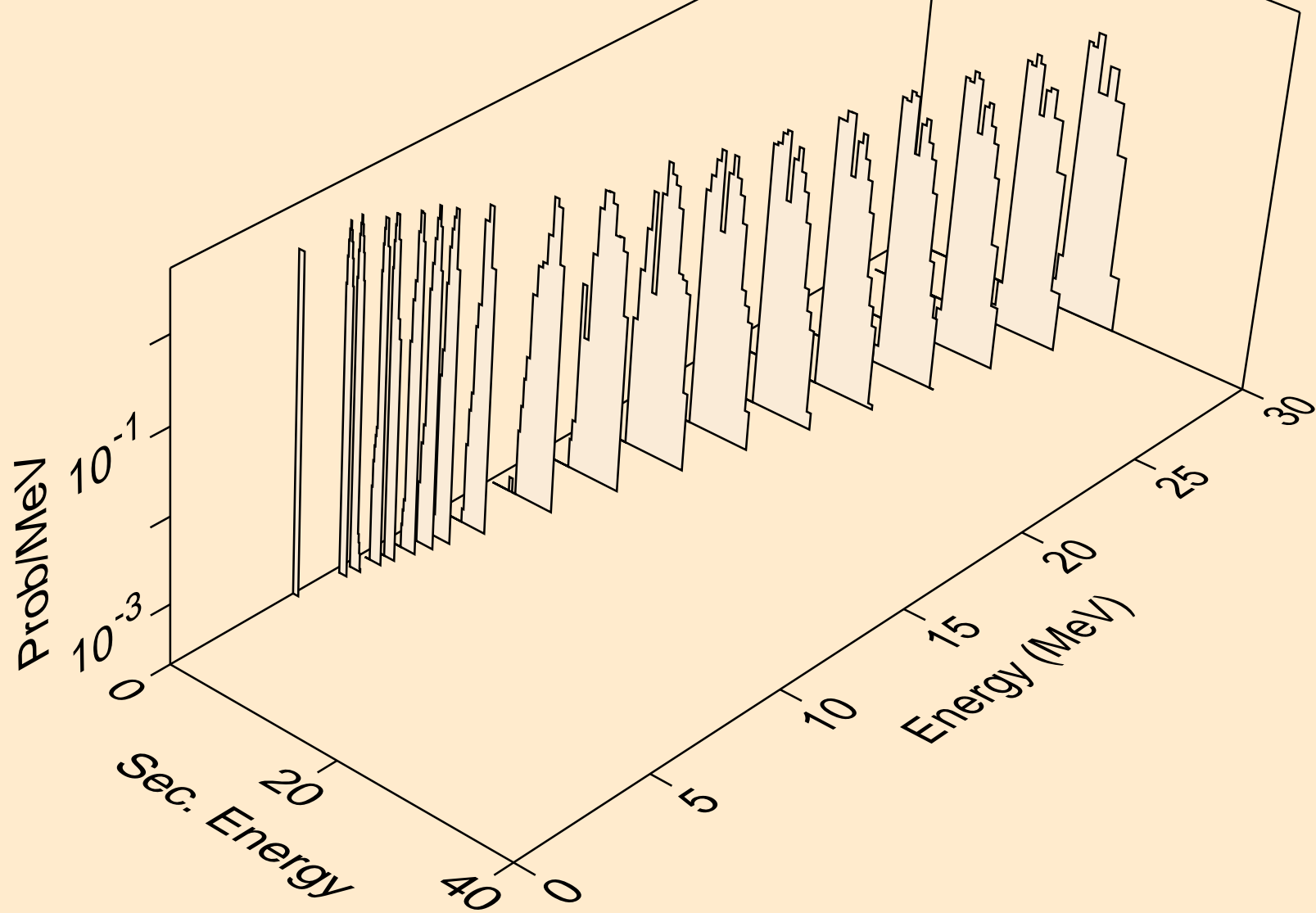
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)



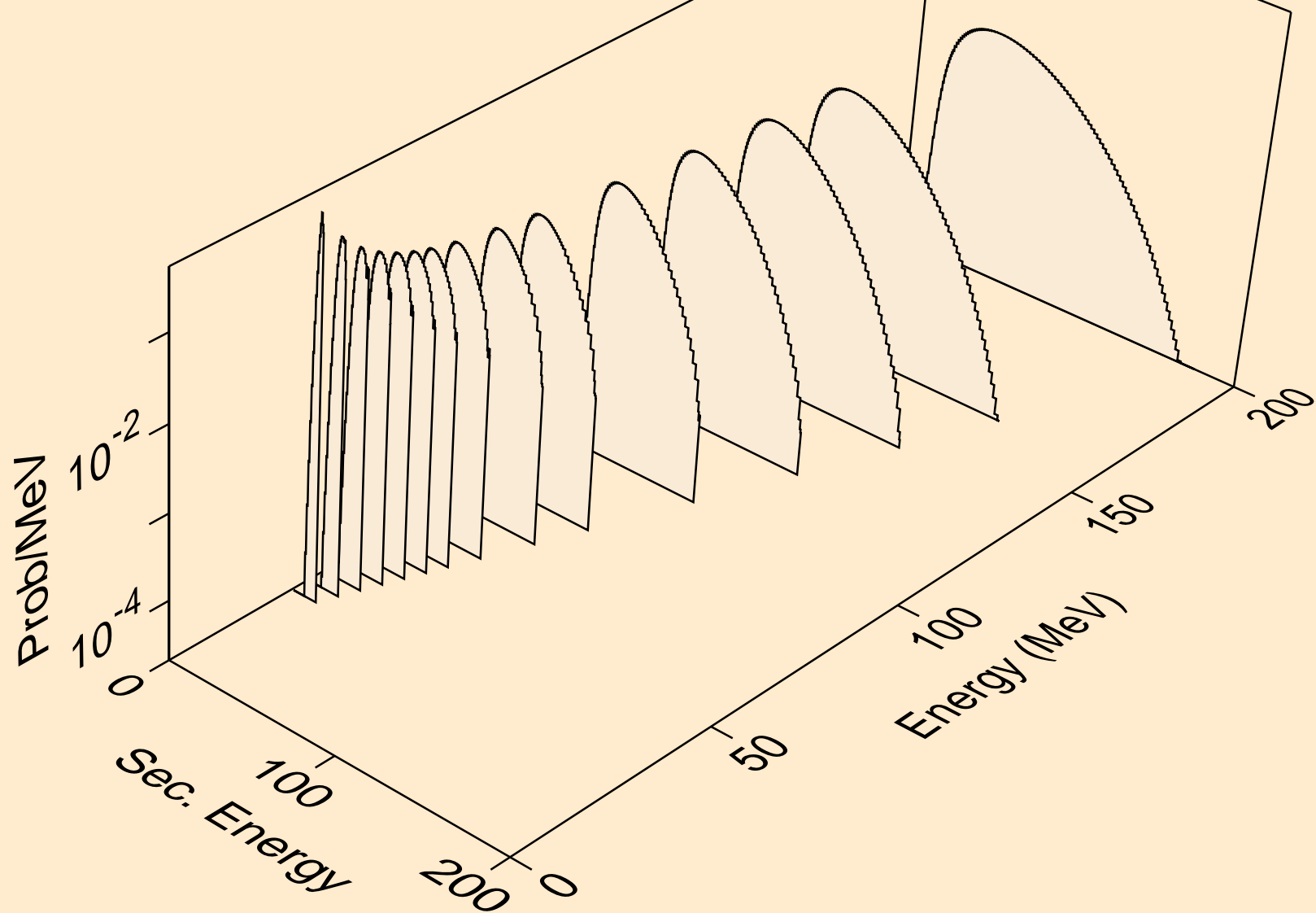
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,n*)t



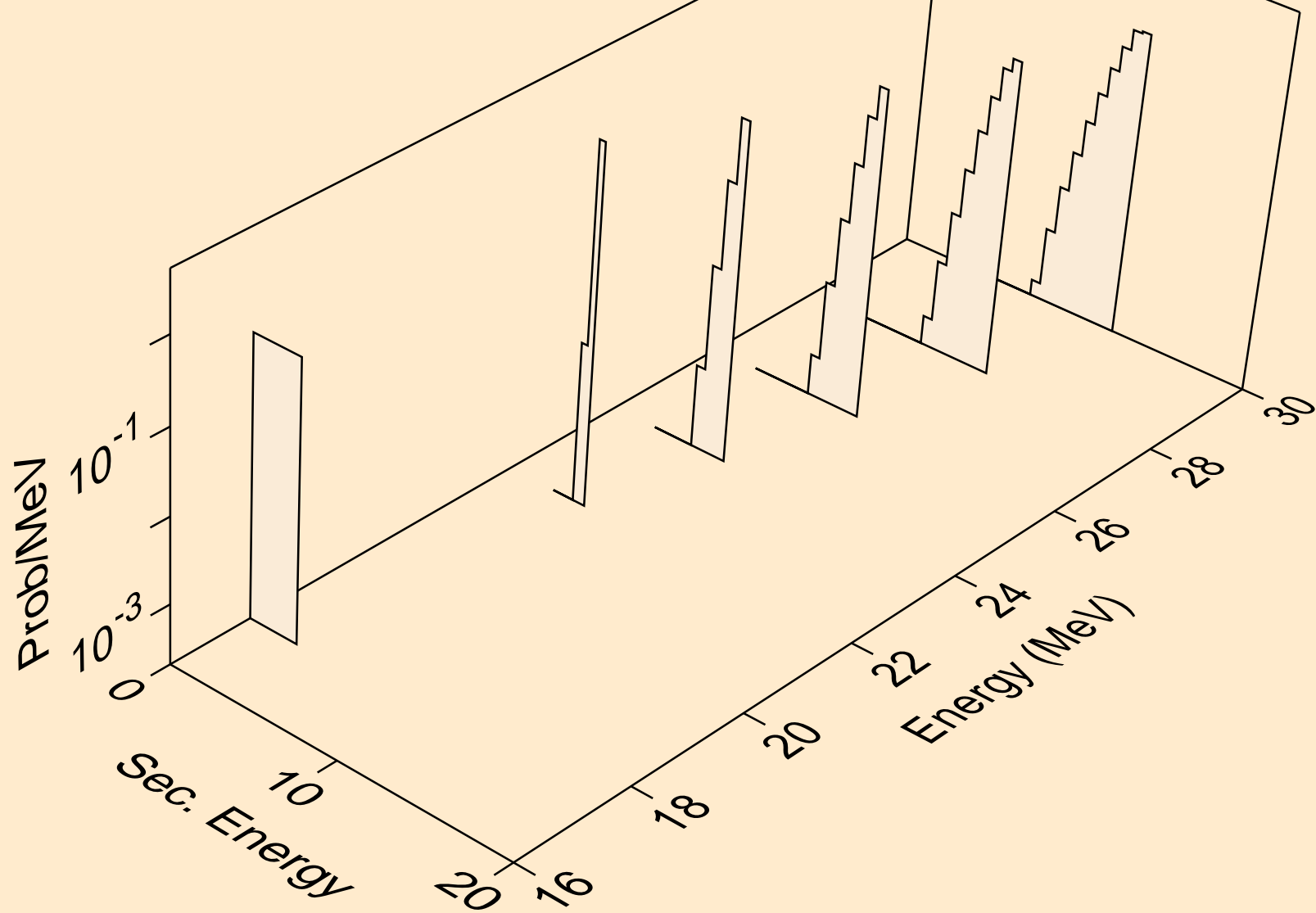
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,t)



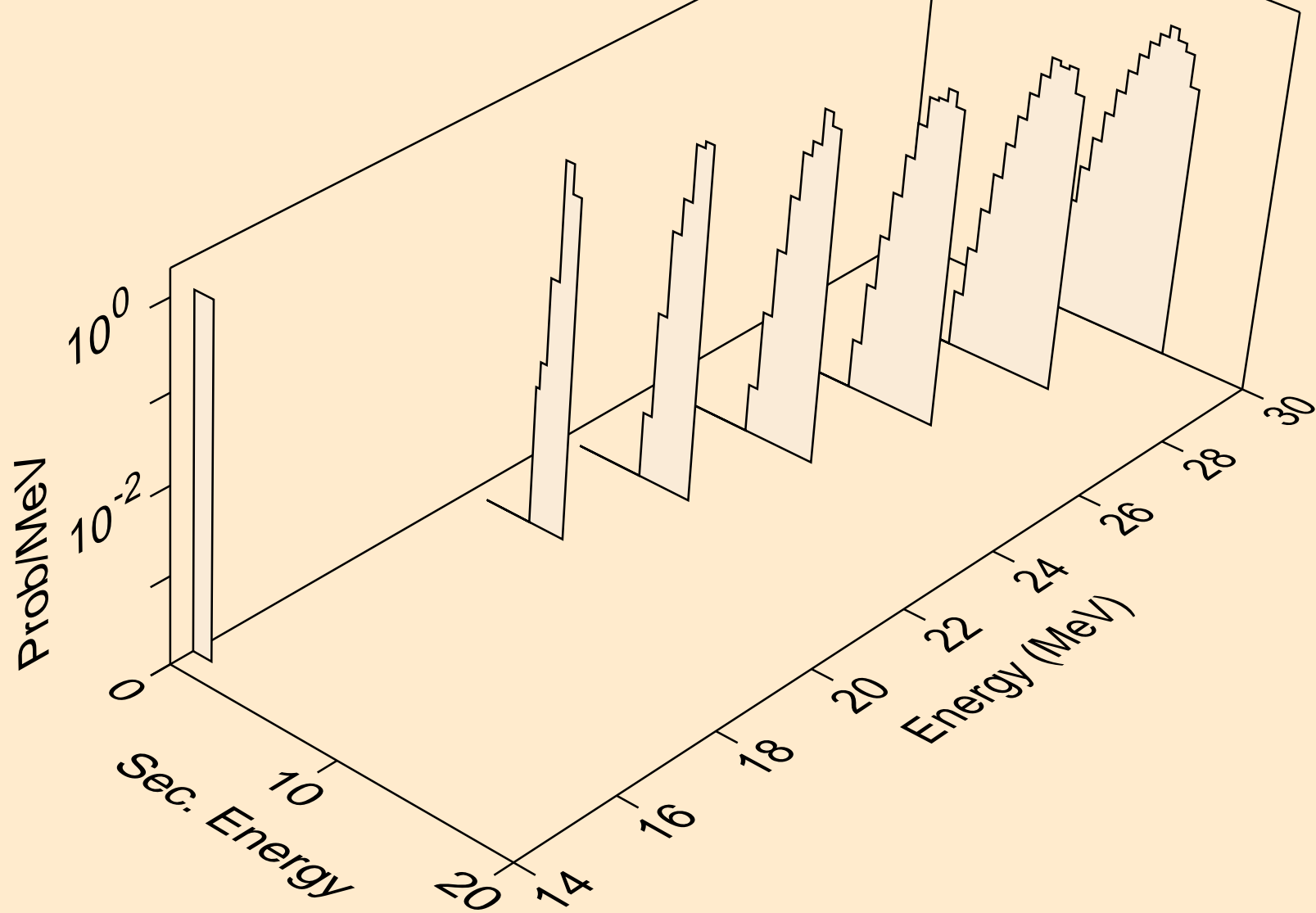
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,x)



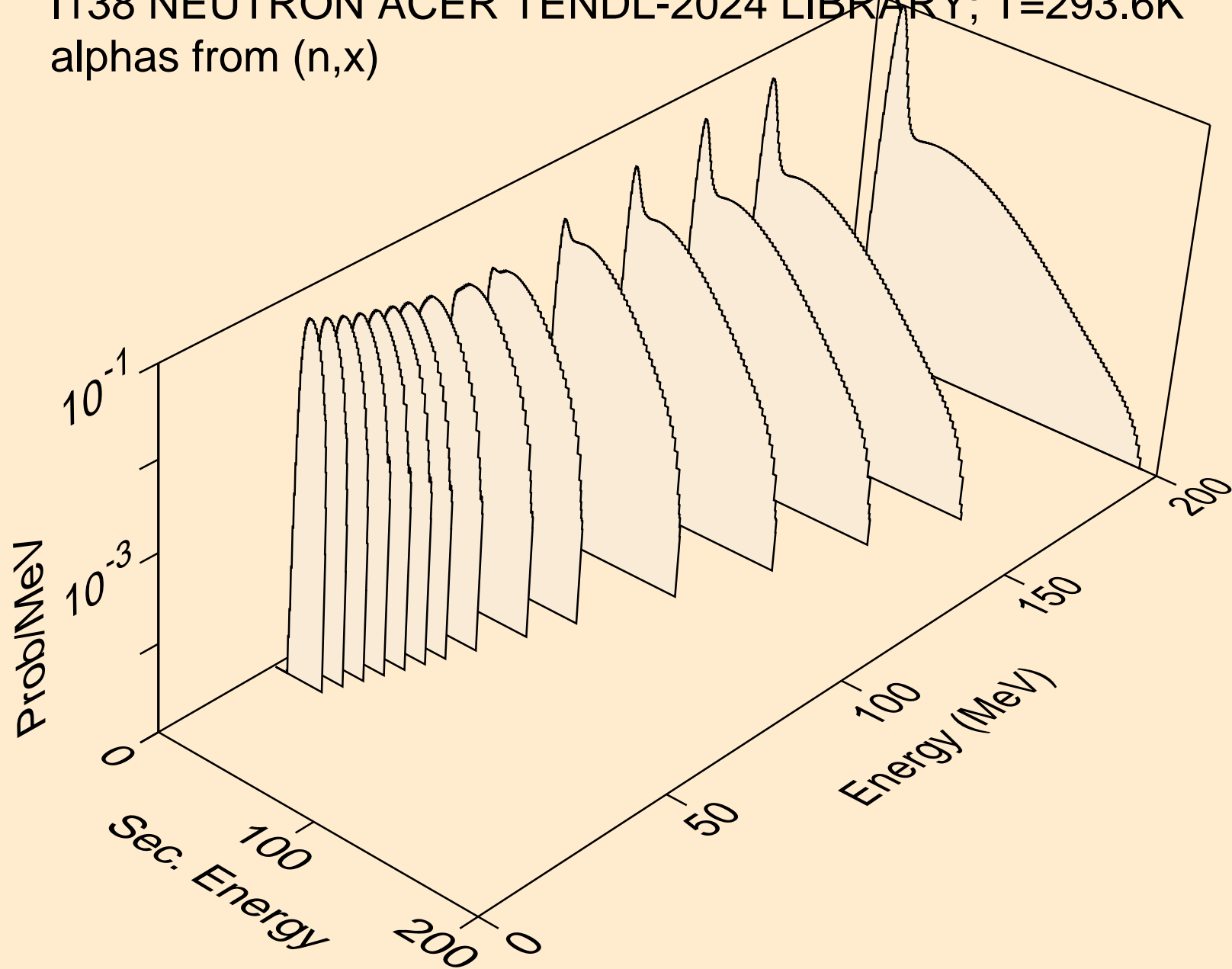
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,n*)he3



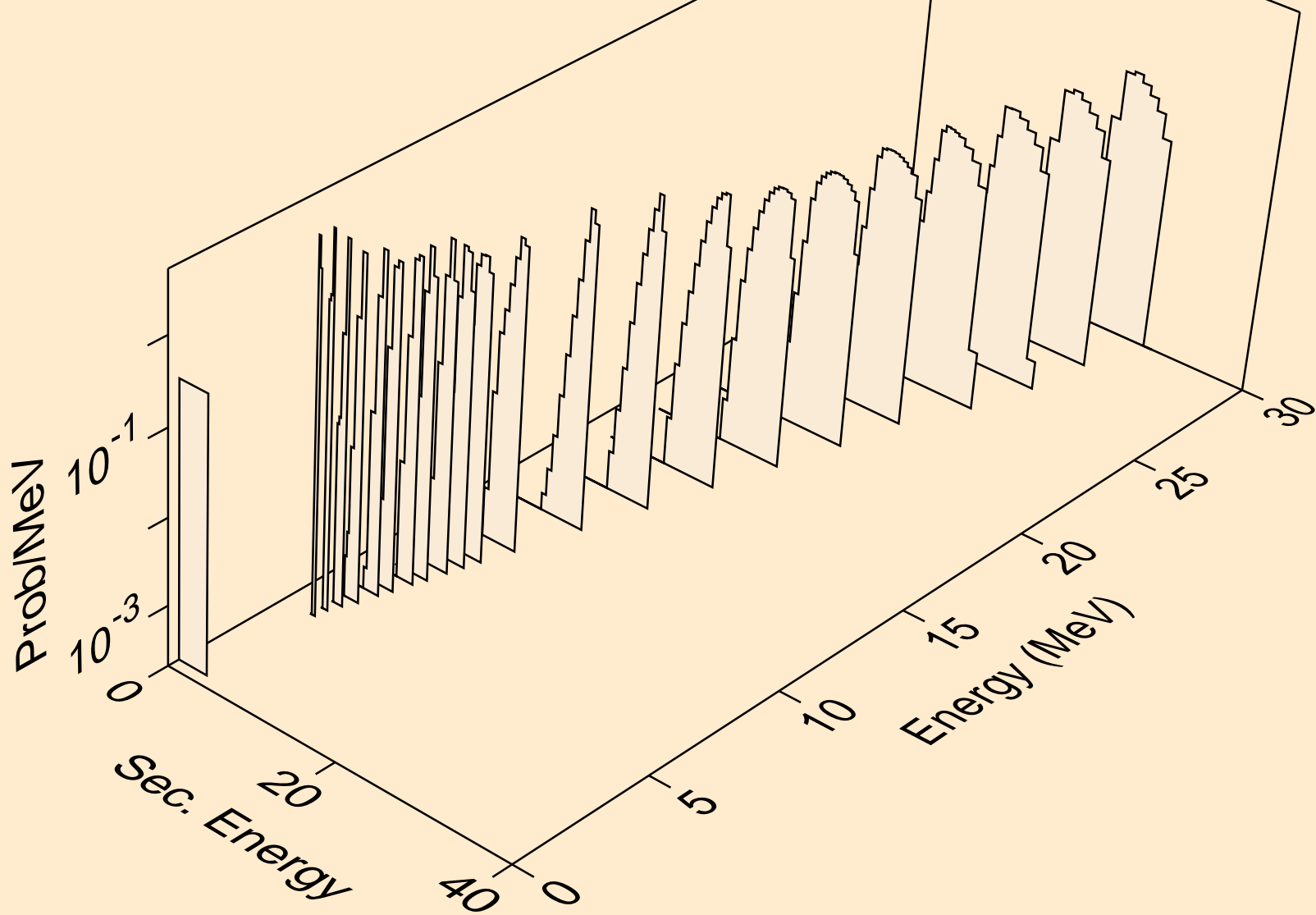
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,he3)



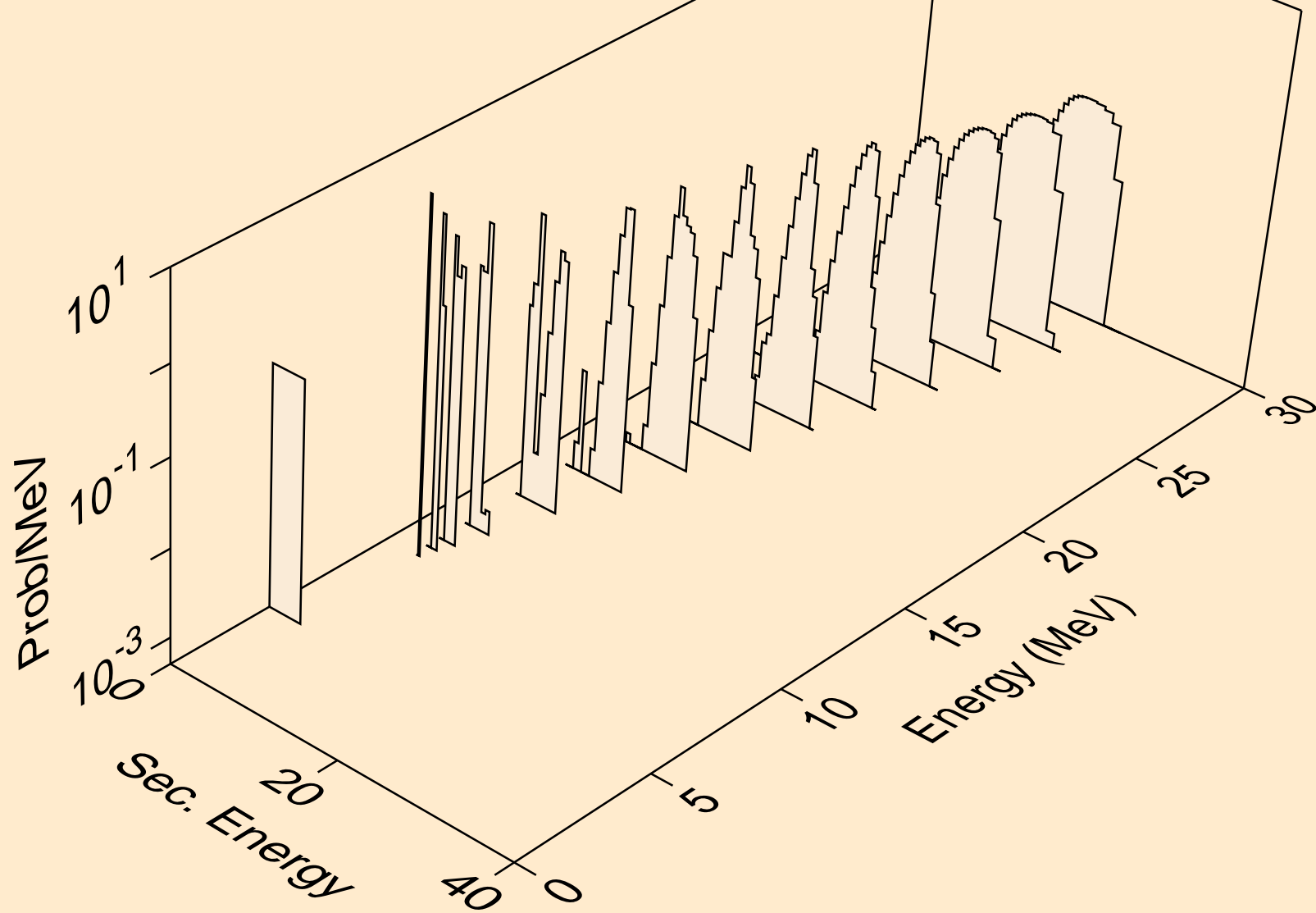
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)



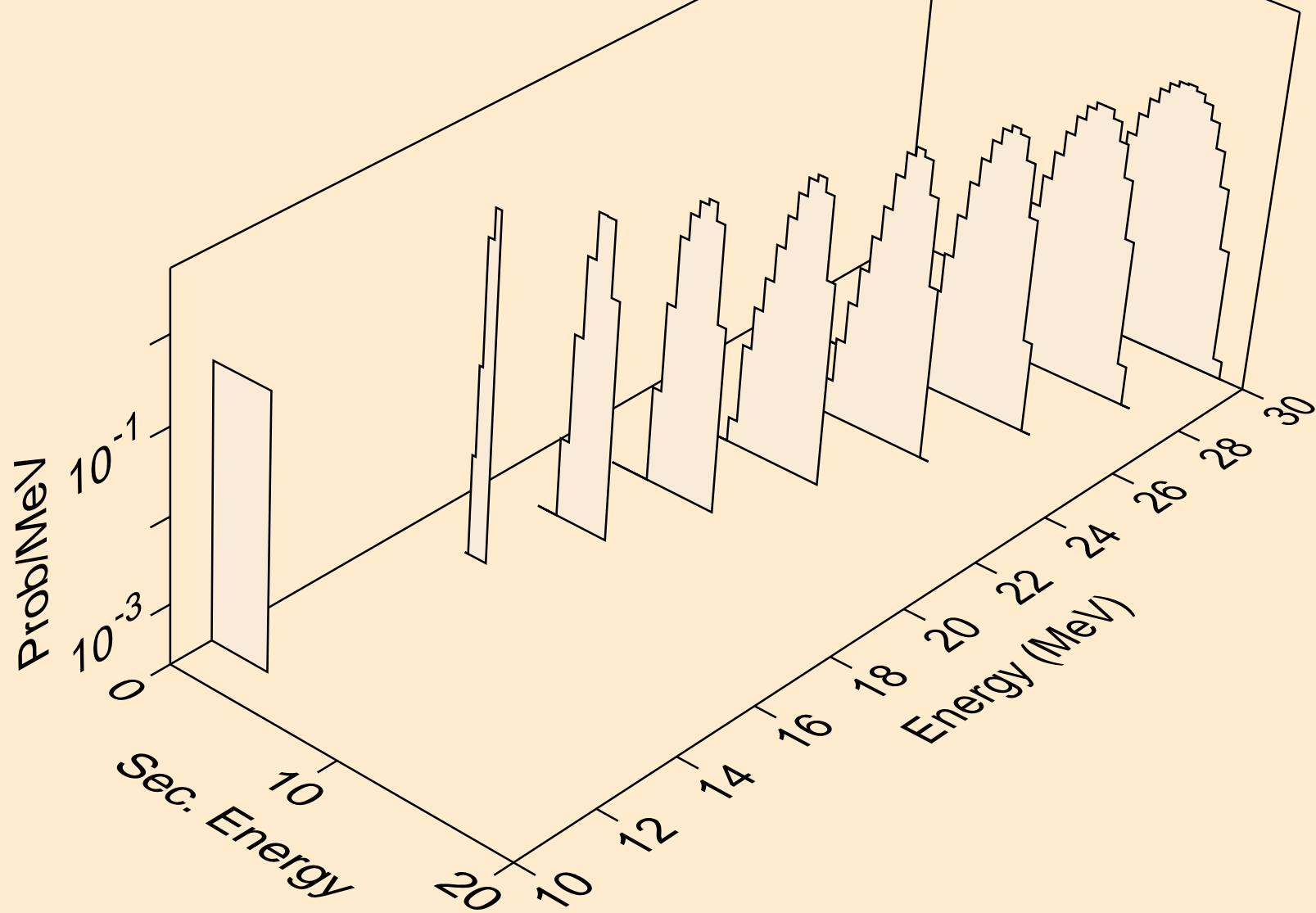
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)a



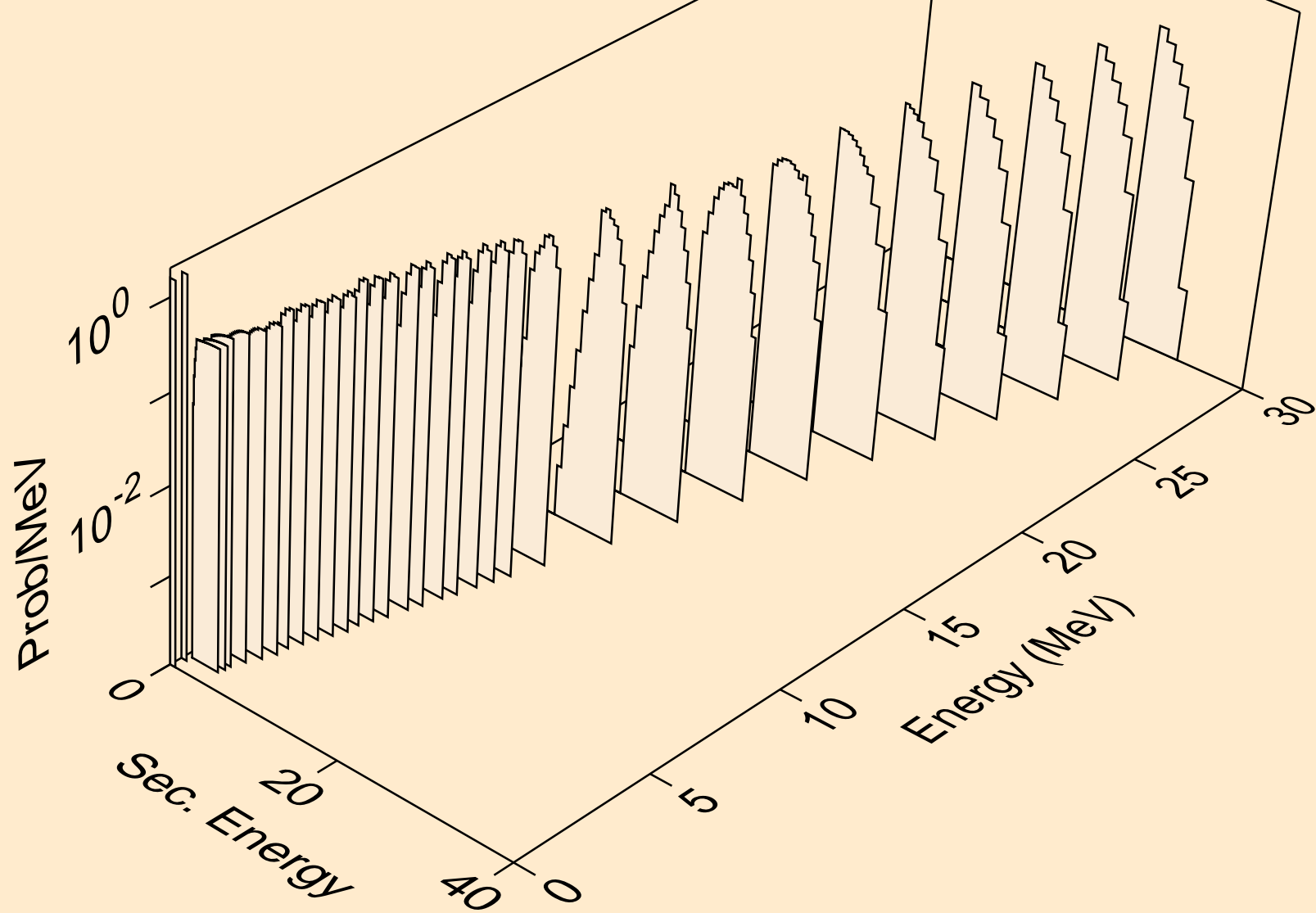
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a



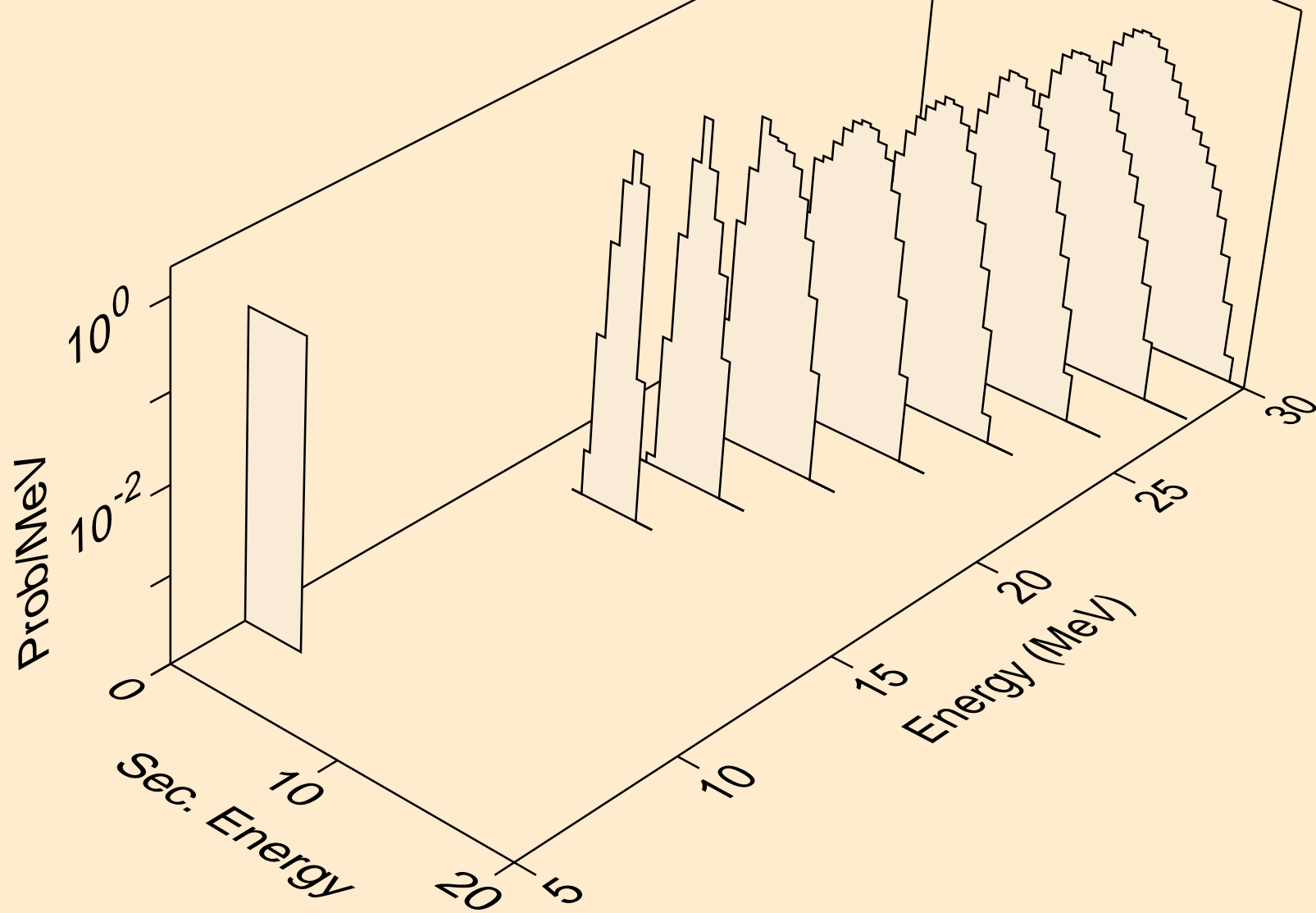
I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3n)a



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,a)



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,pa)



I138 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,da)

