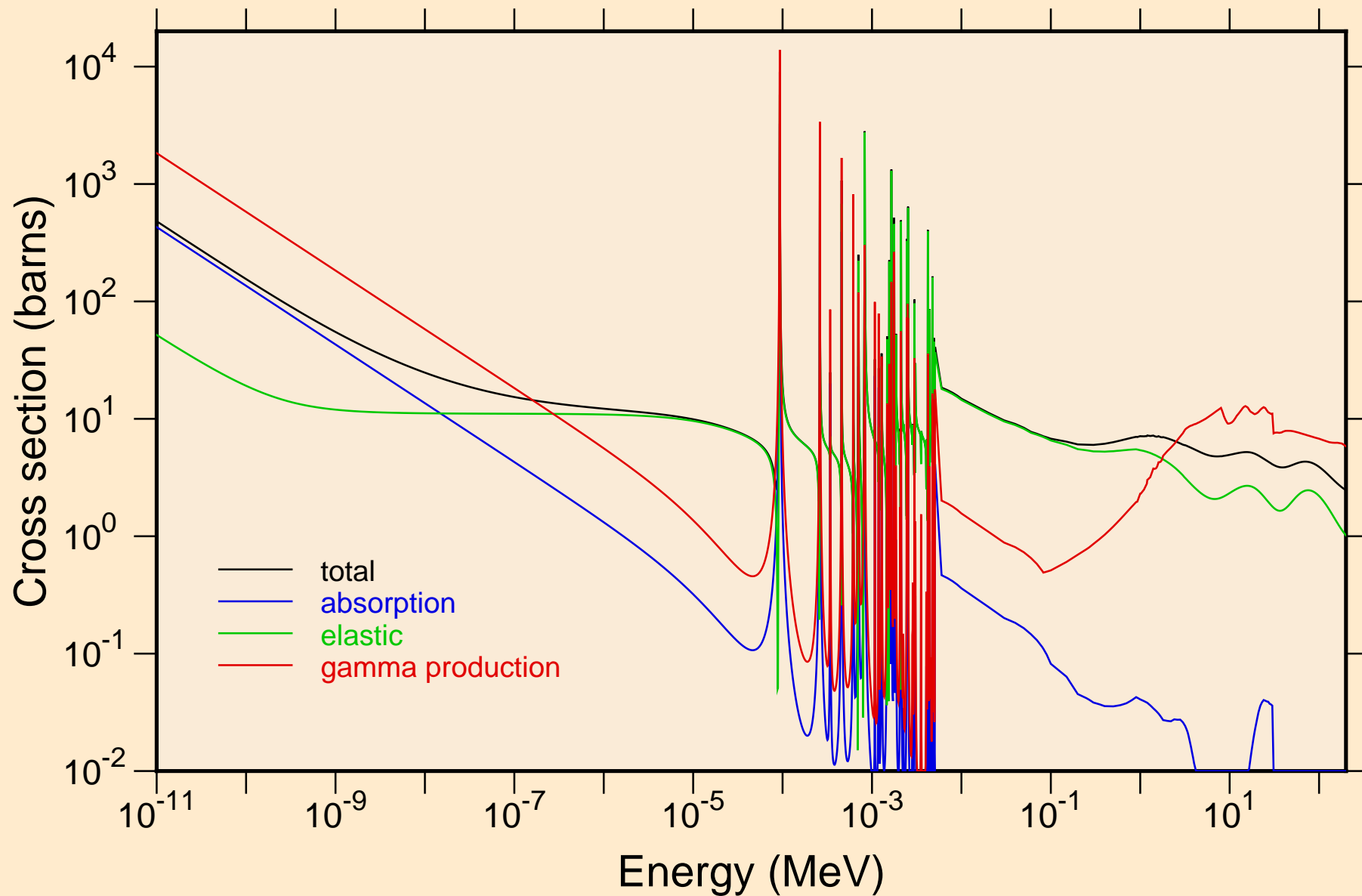
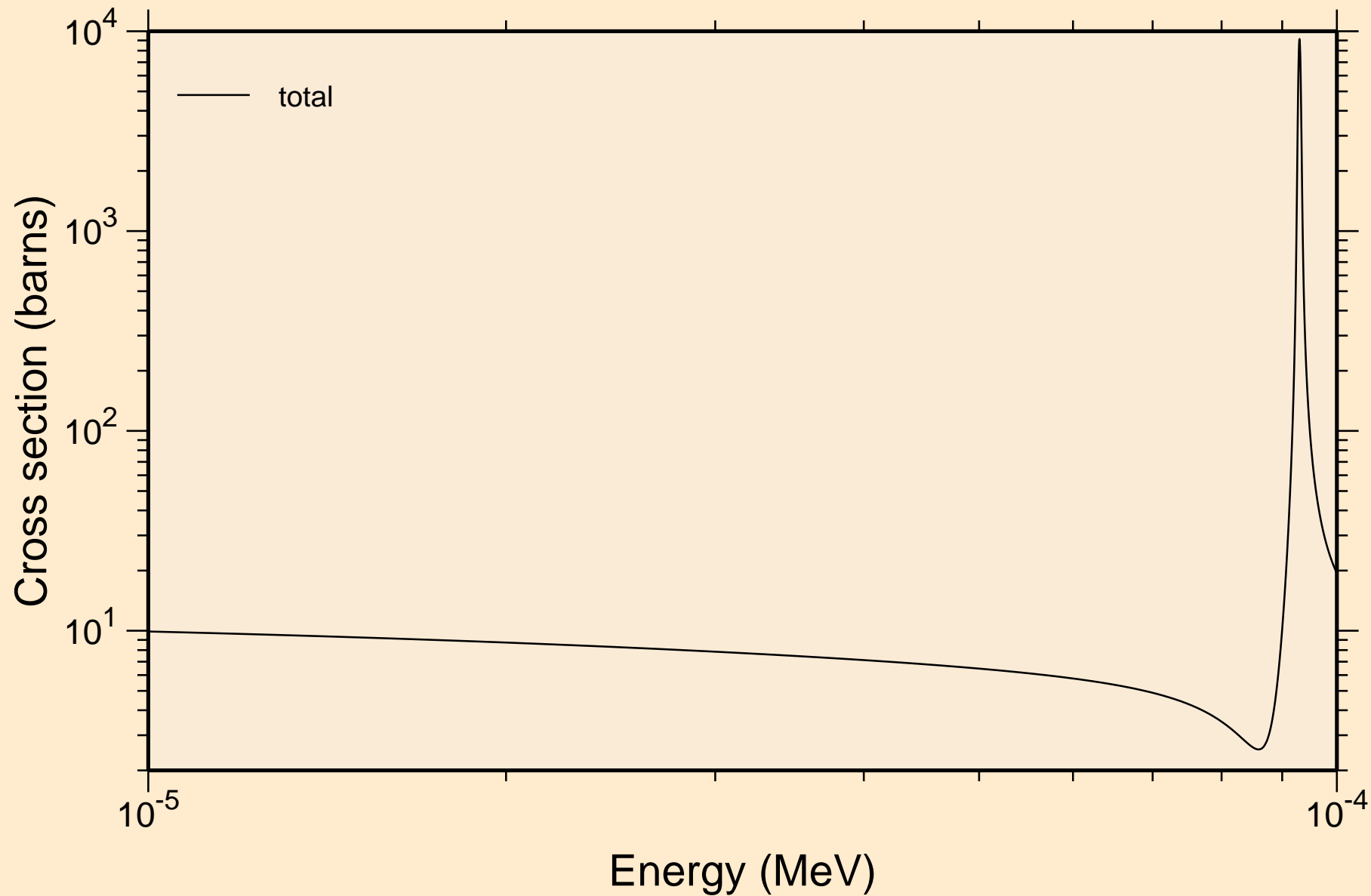


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

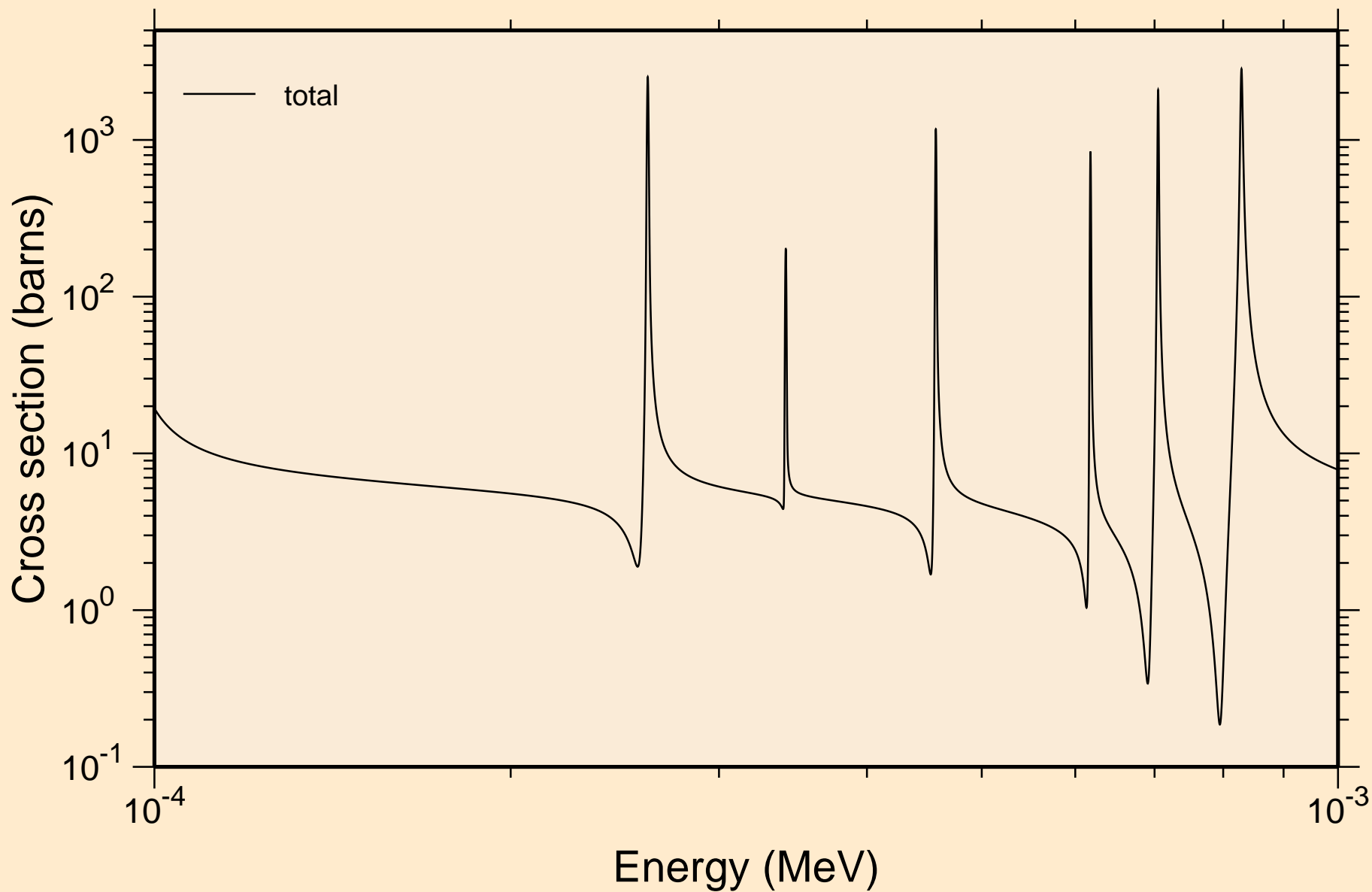
Principal cross sections



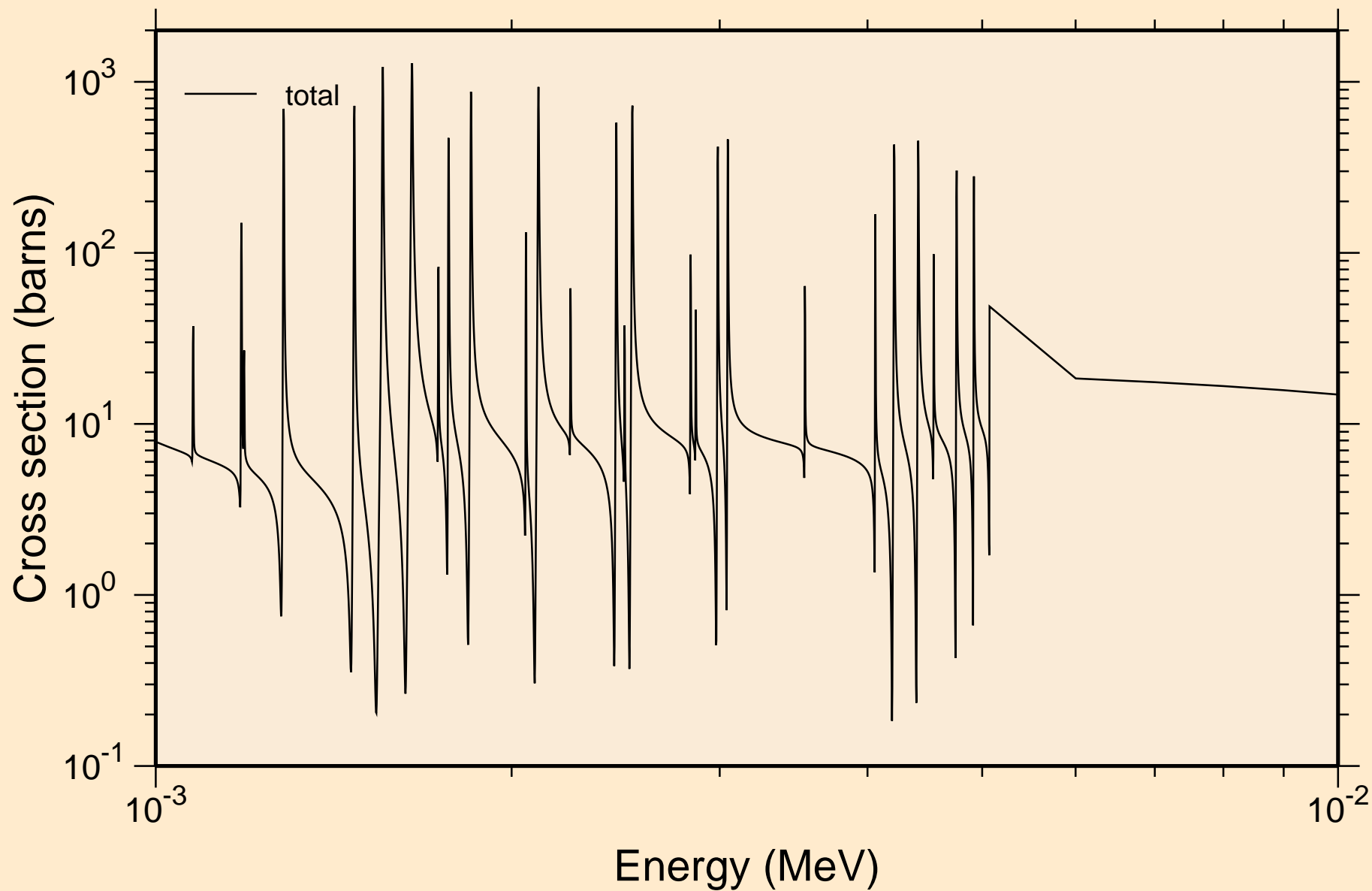
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



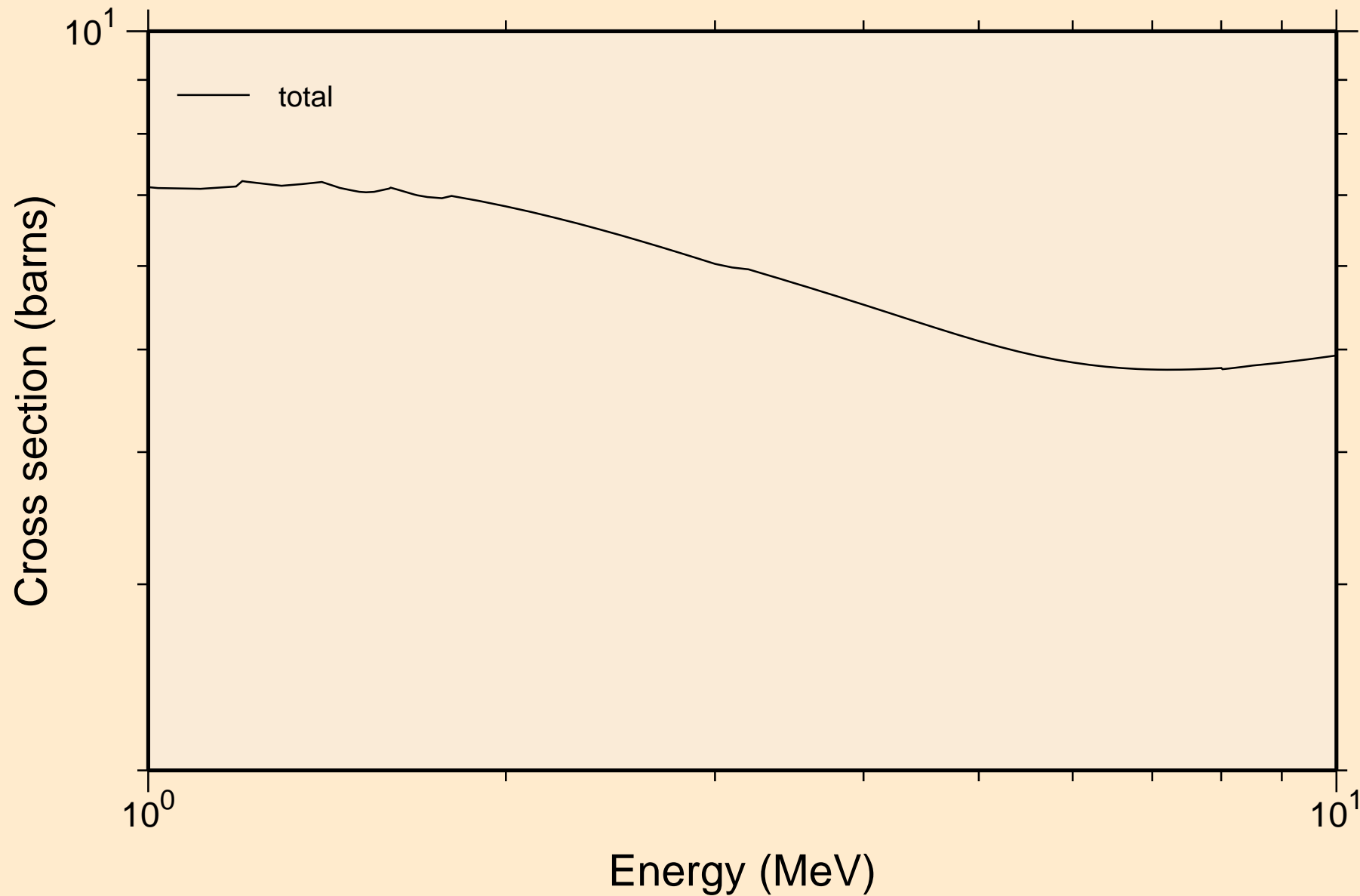
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



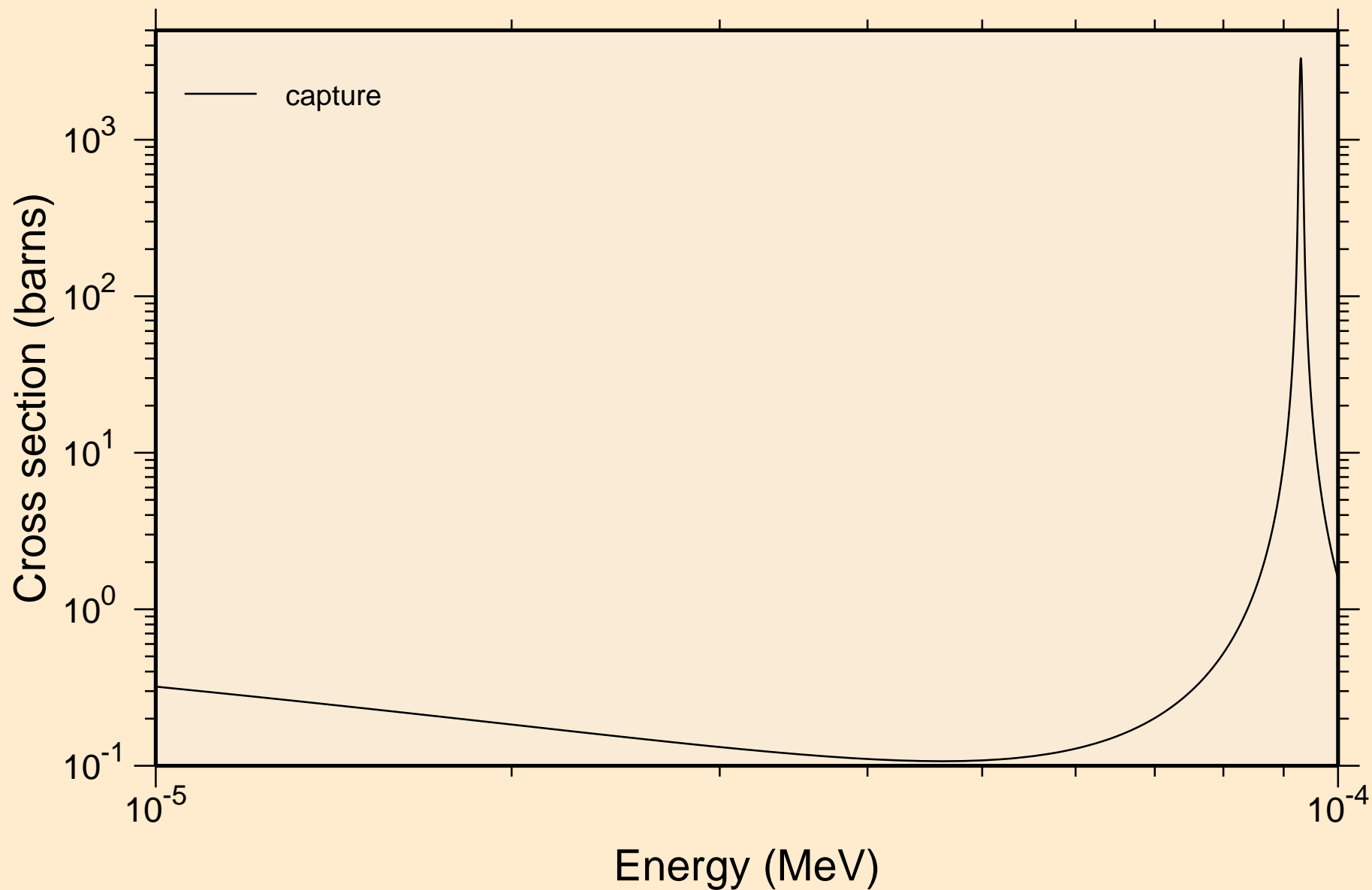
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



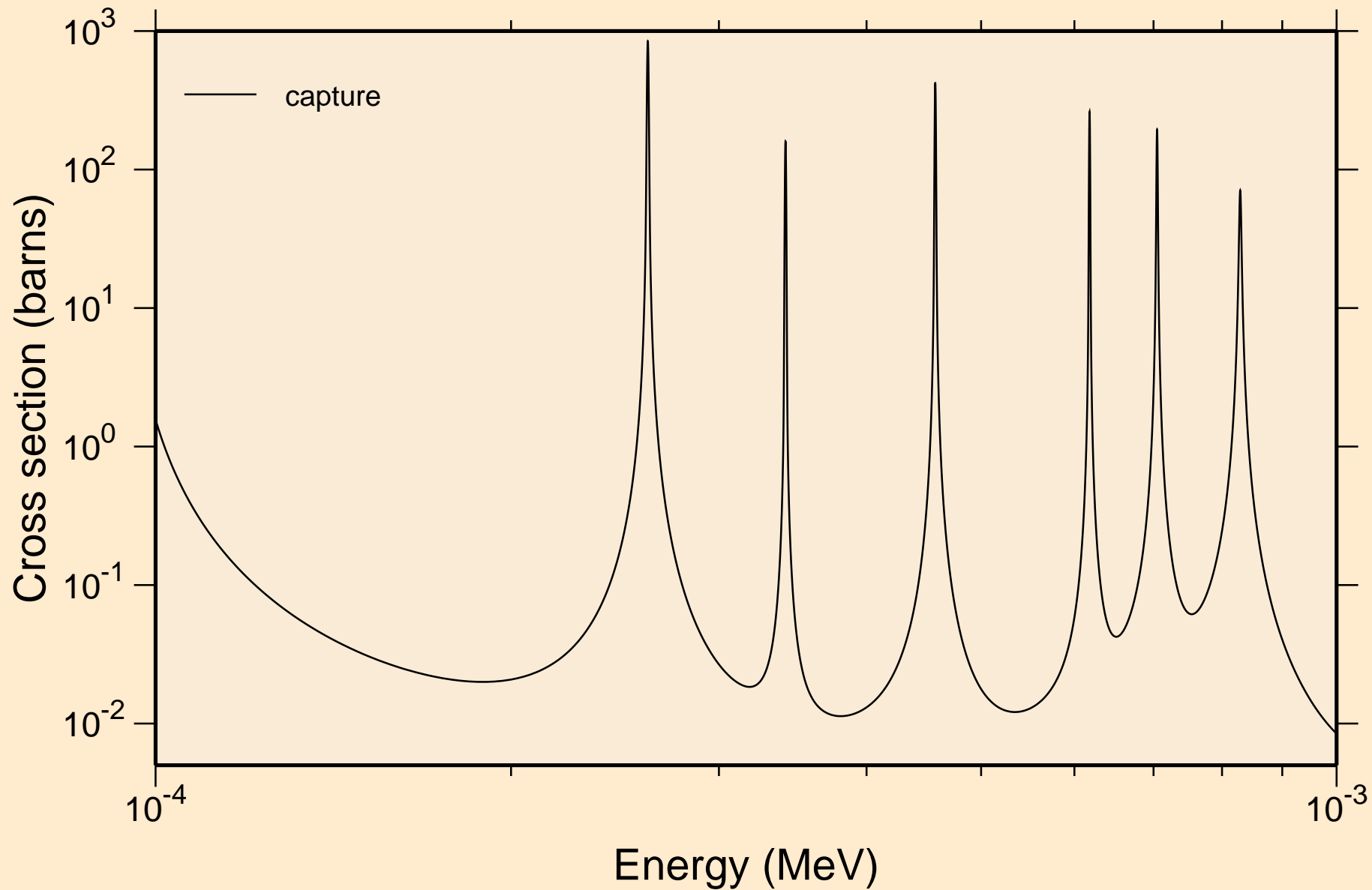
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



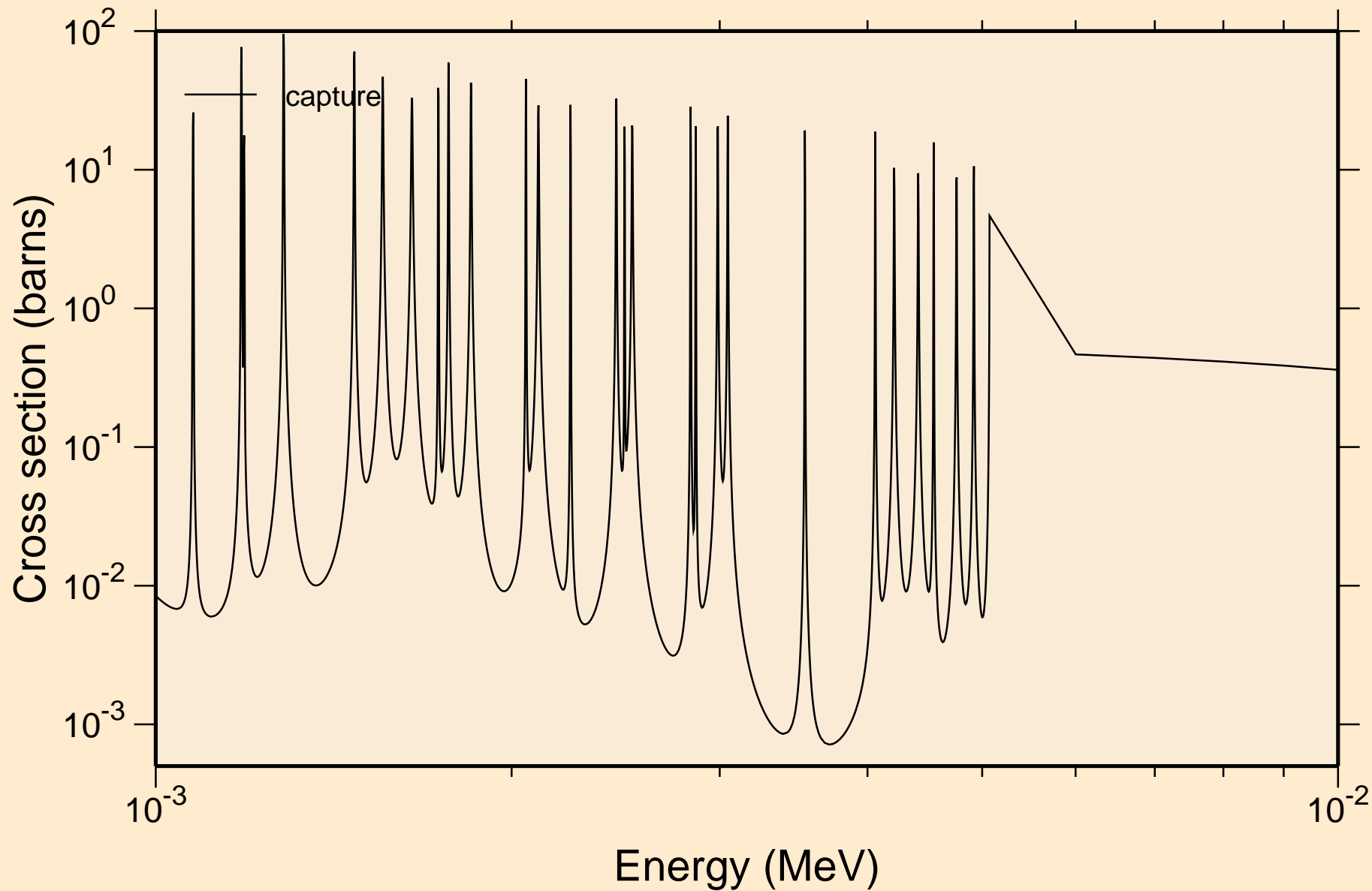
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



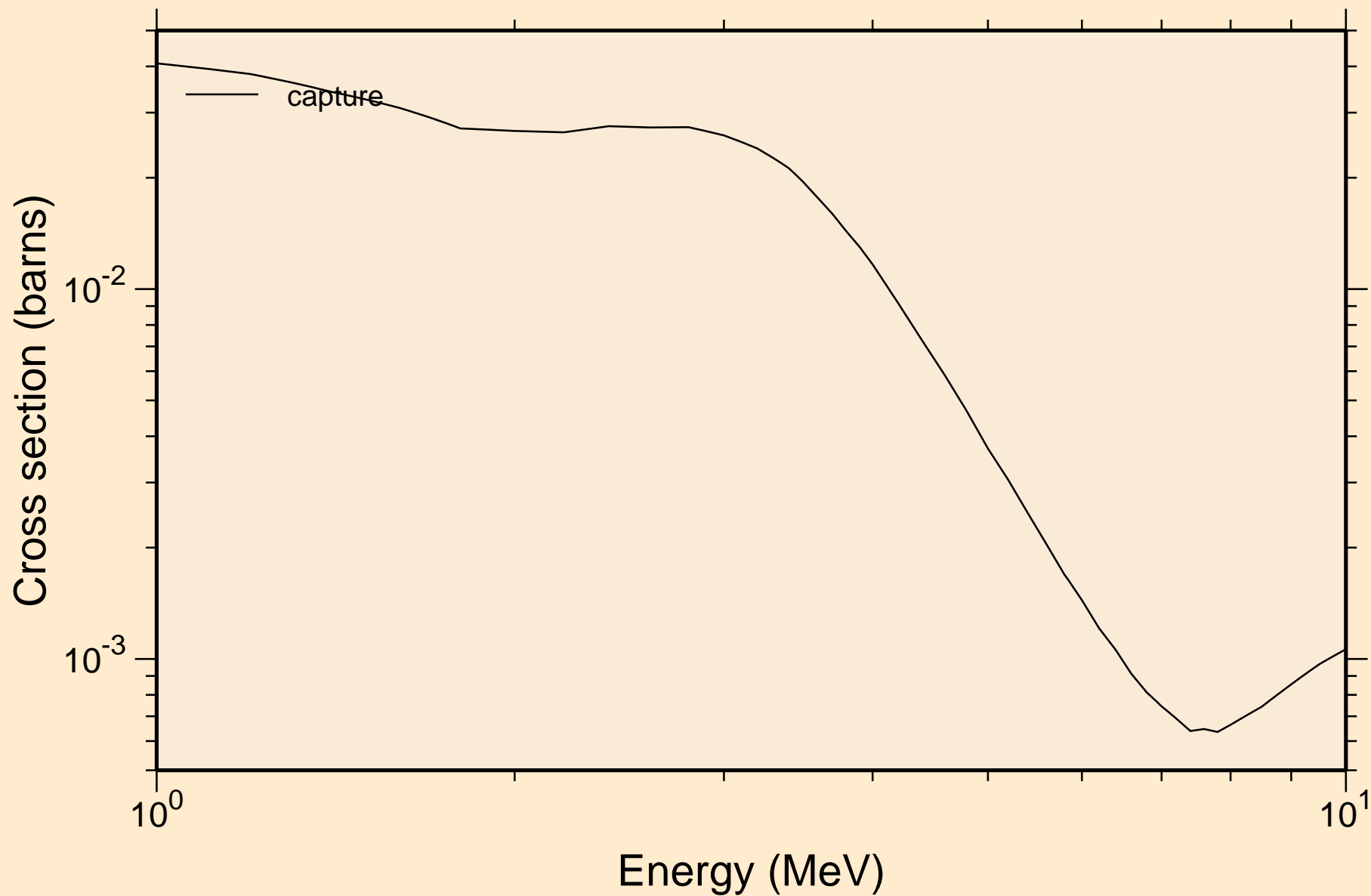
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



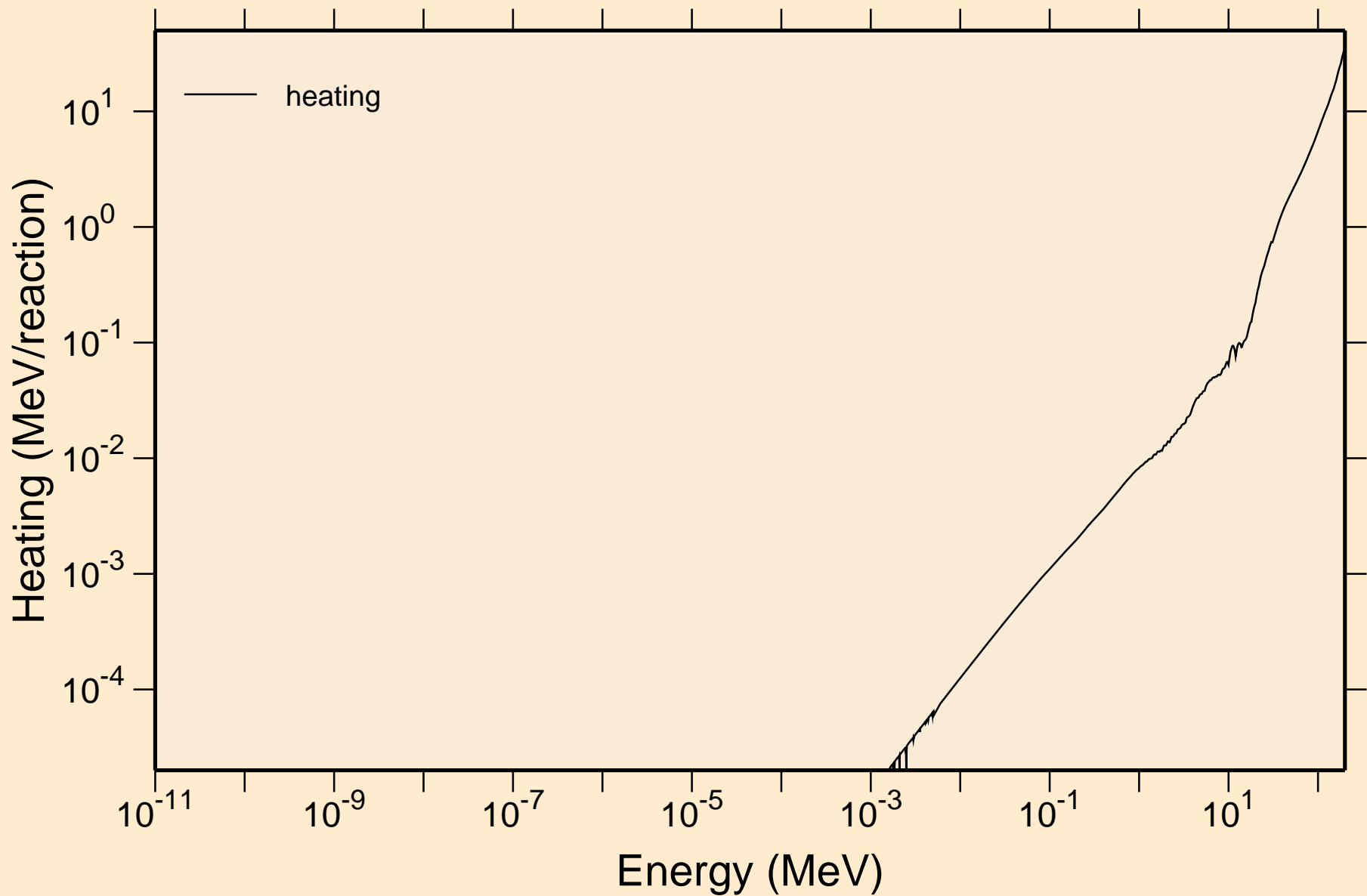
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



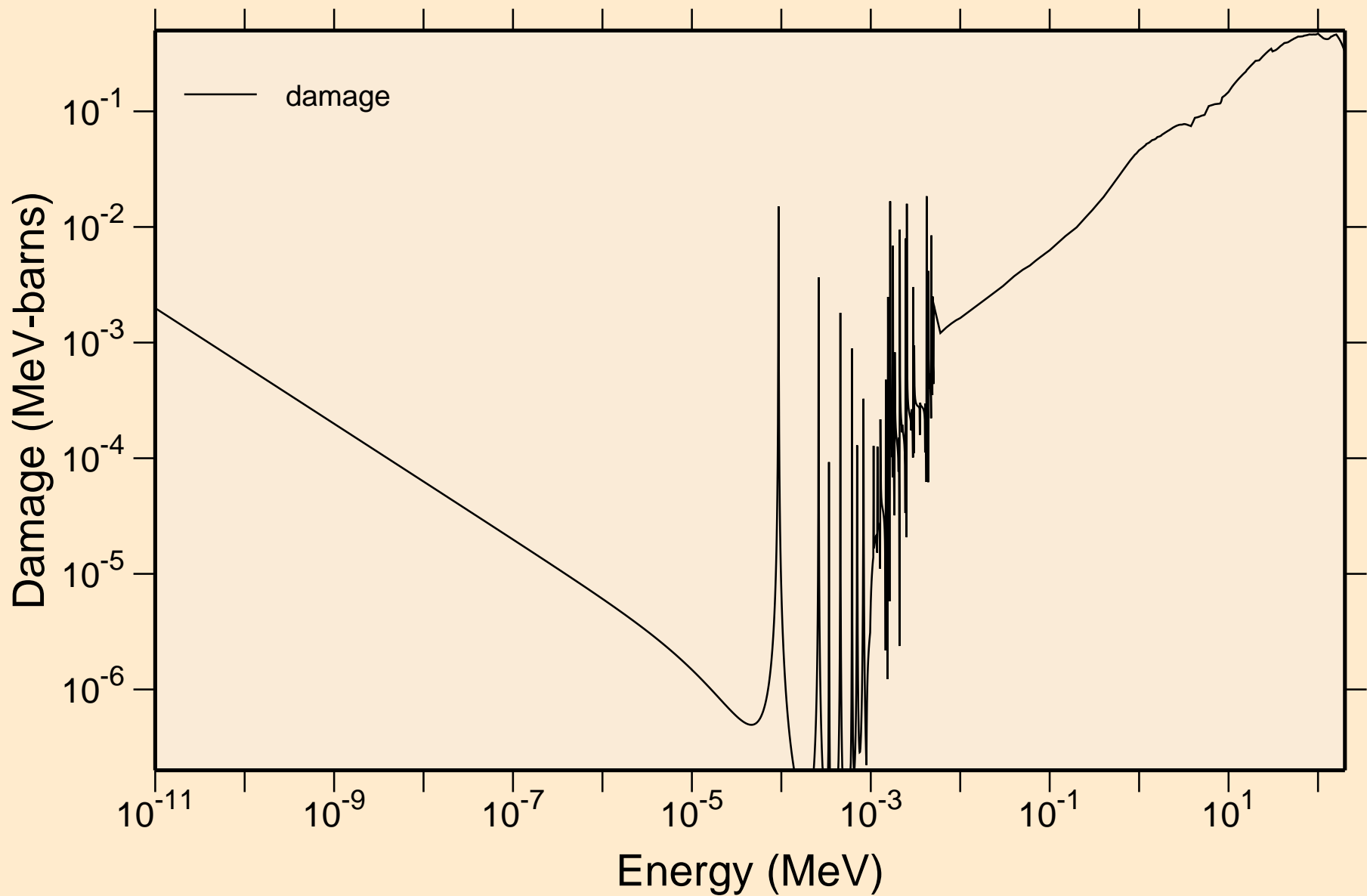
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



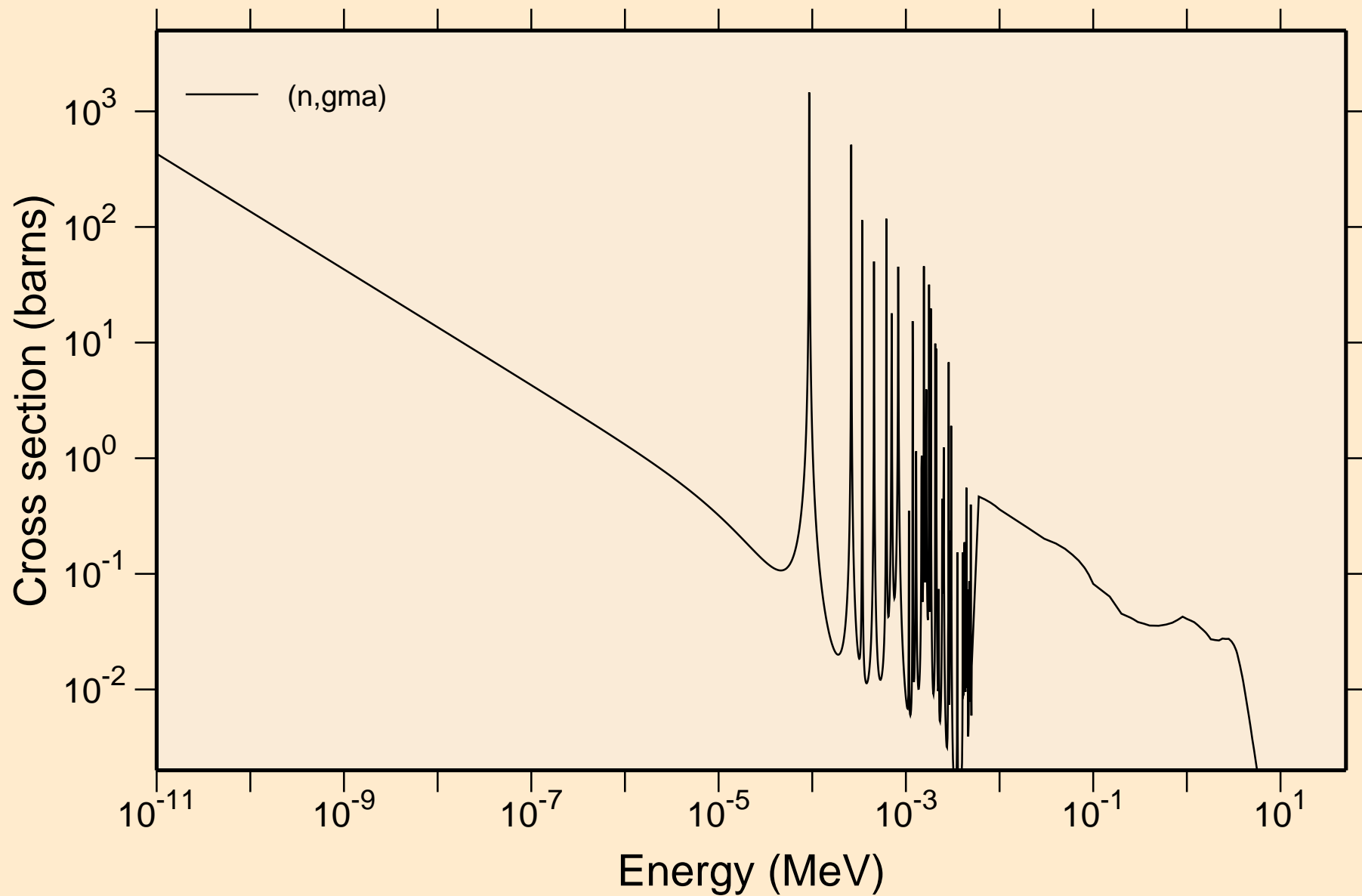
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



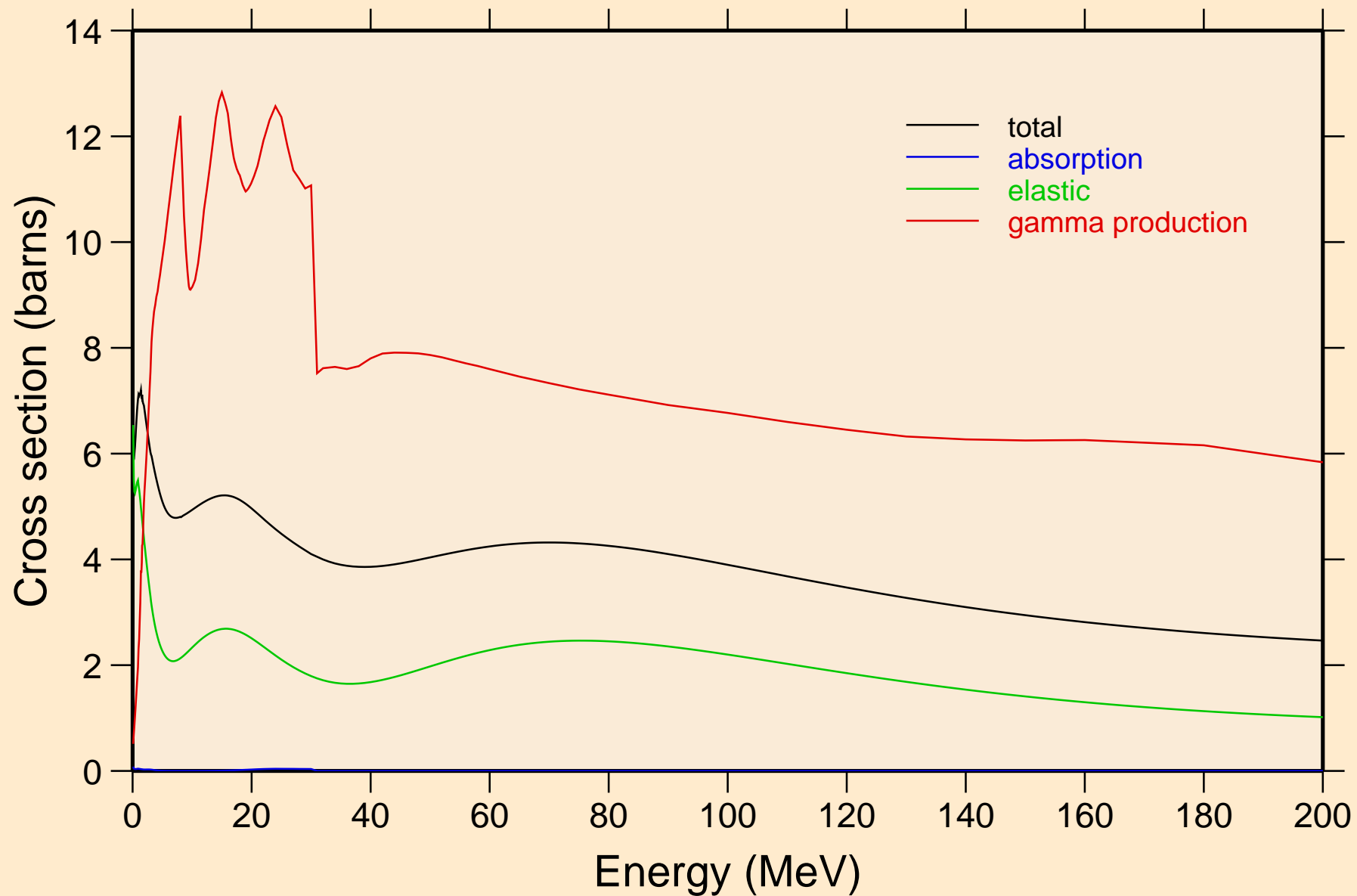
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



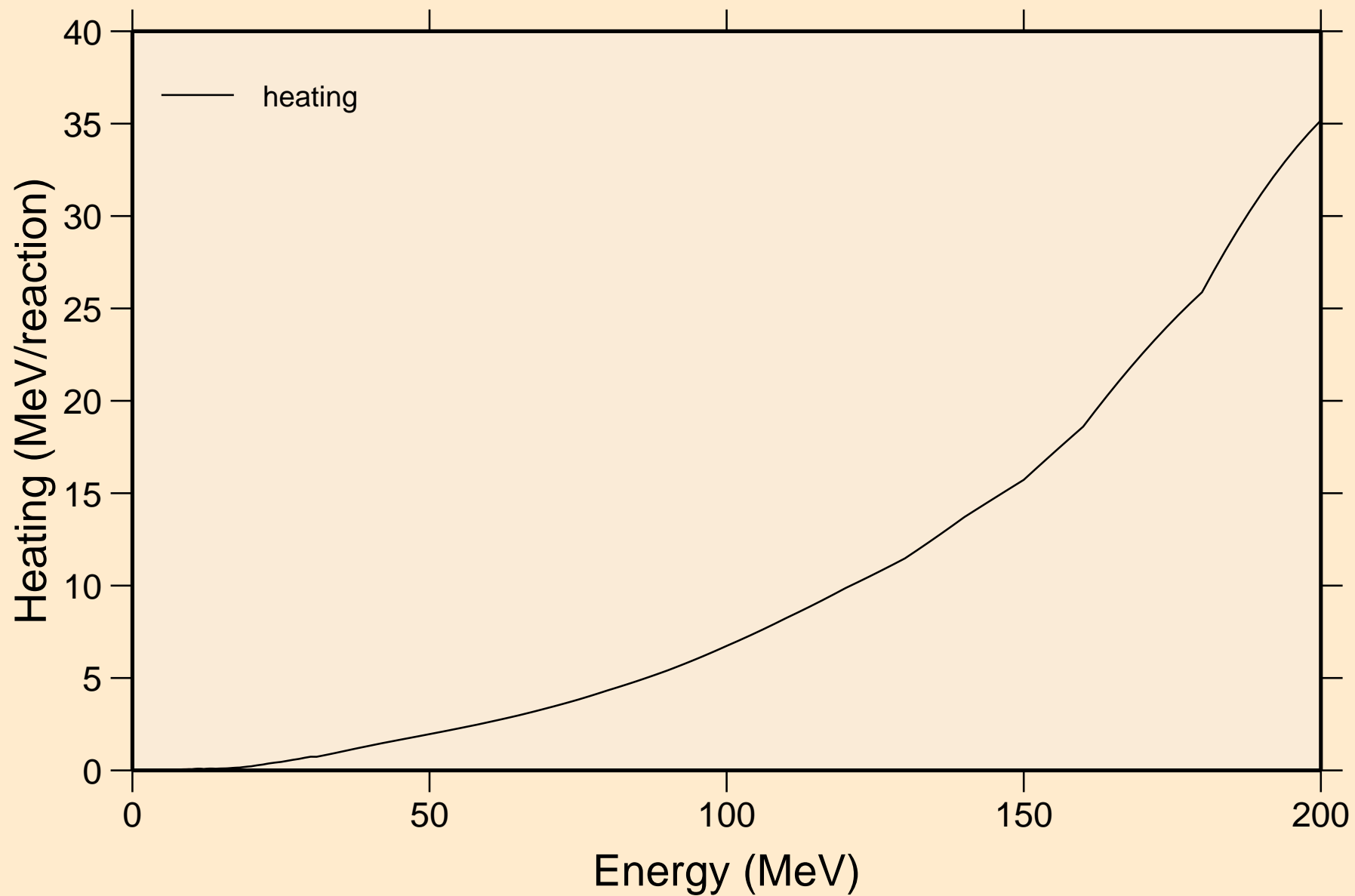
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



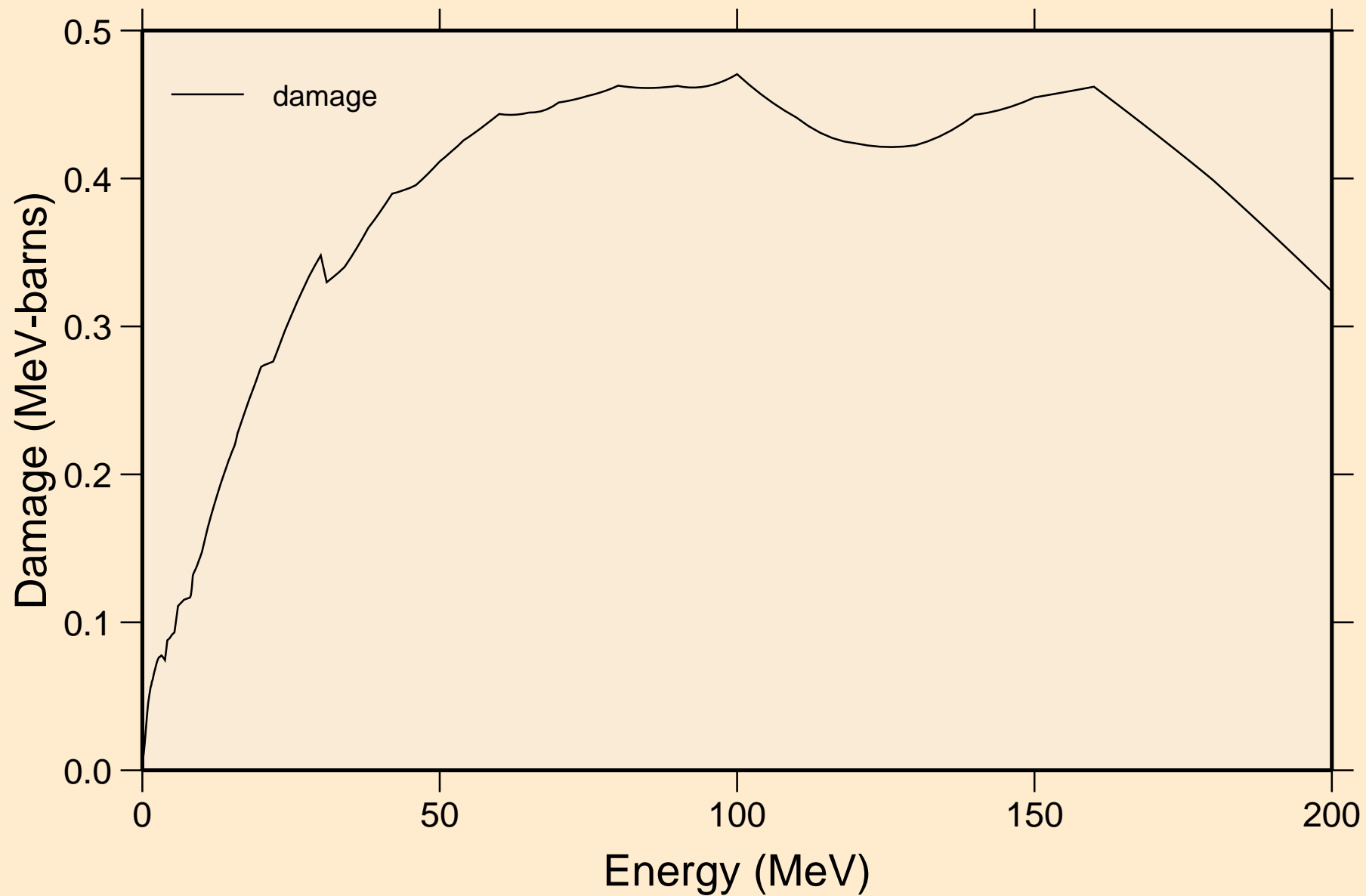
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



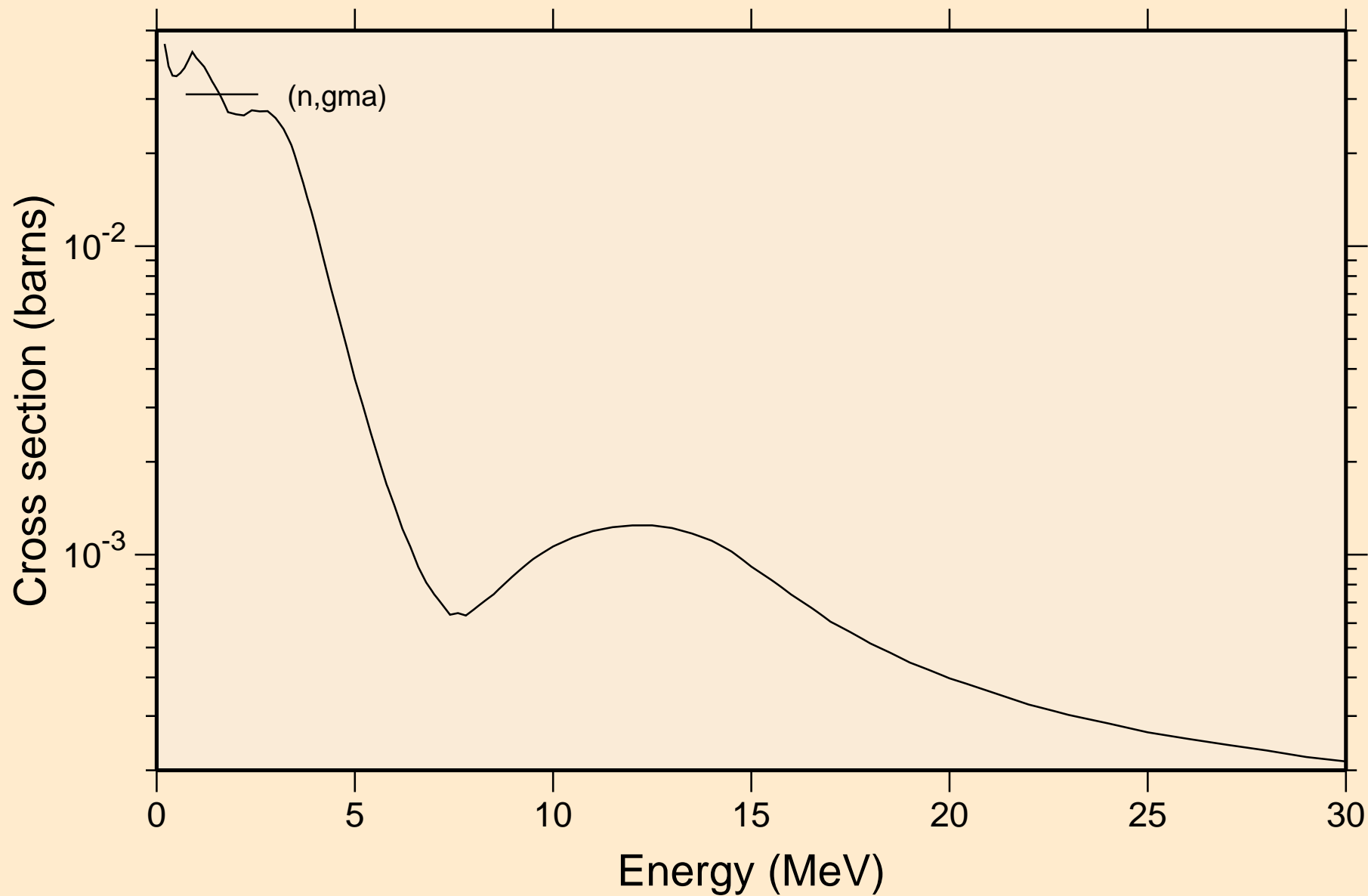
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



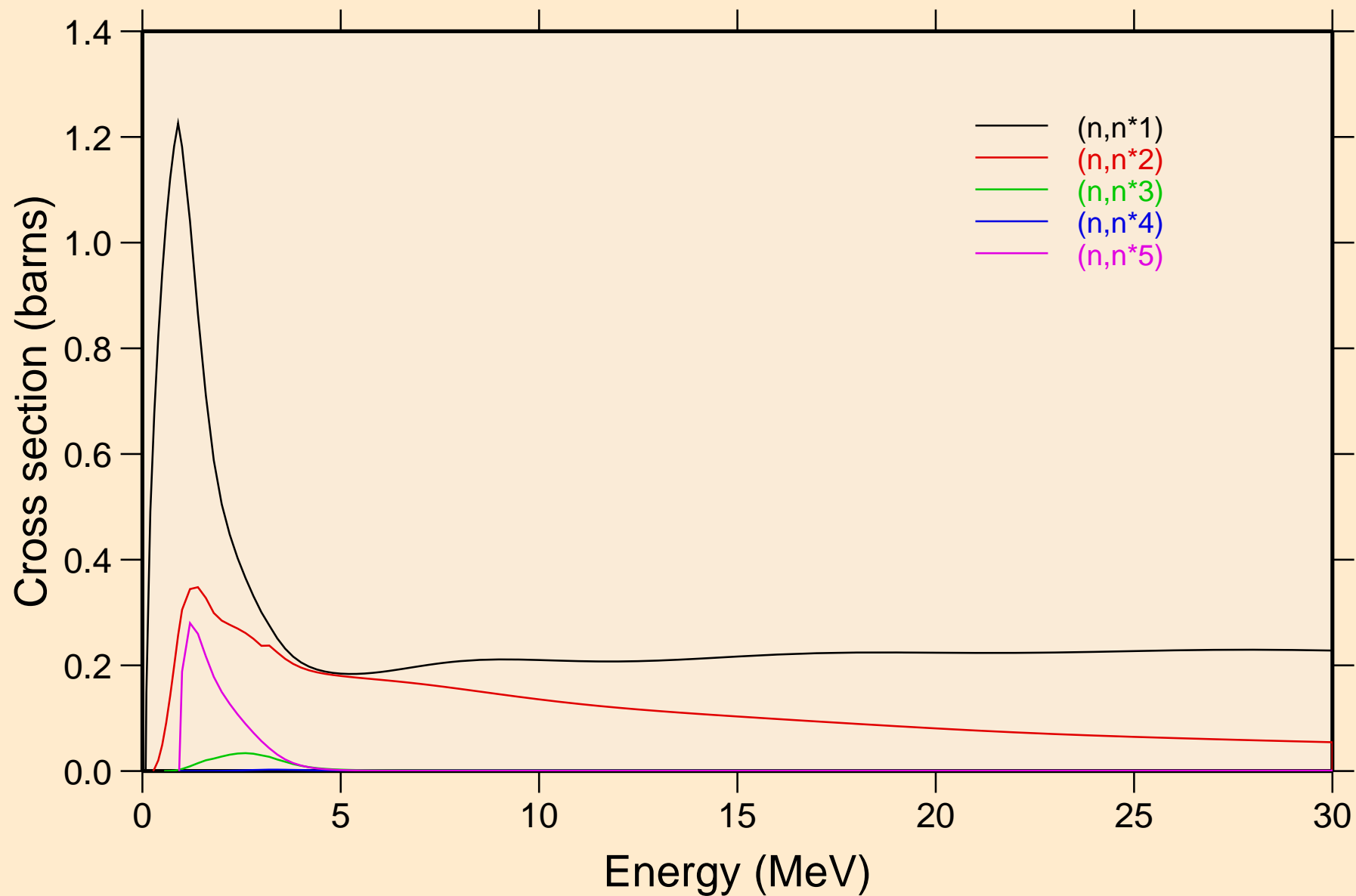
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



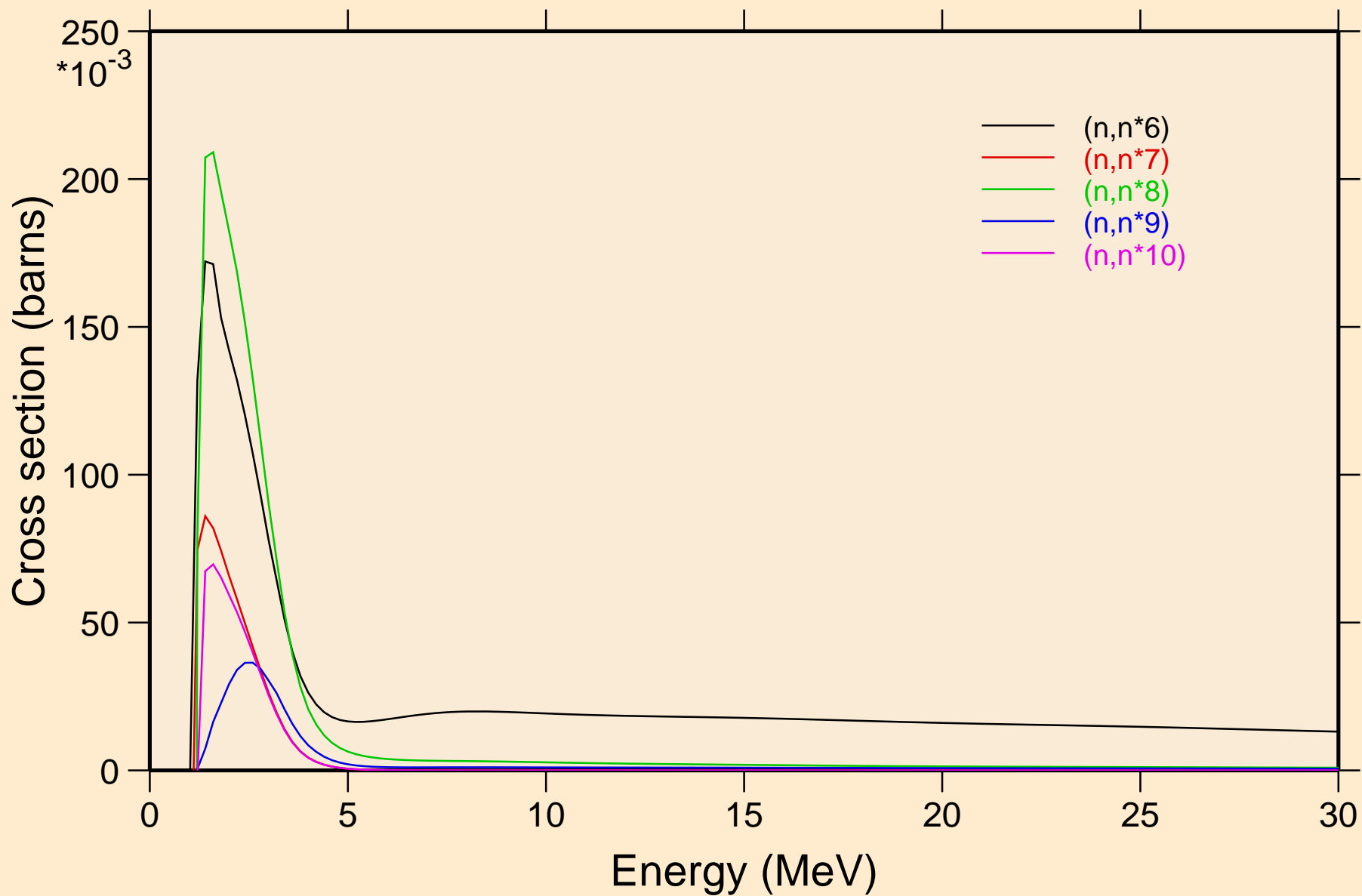
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



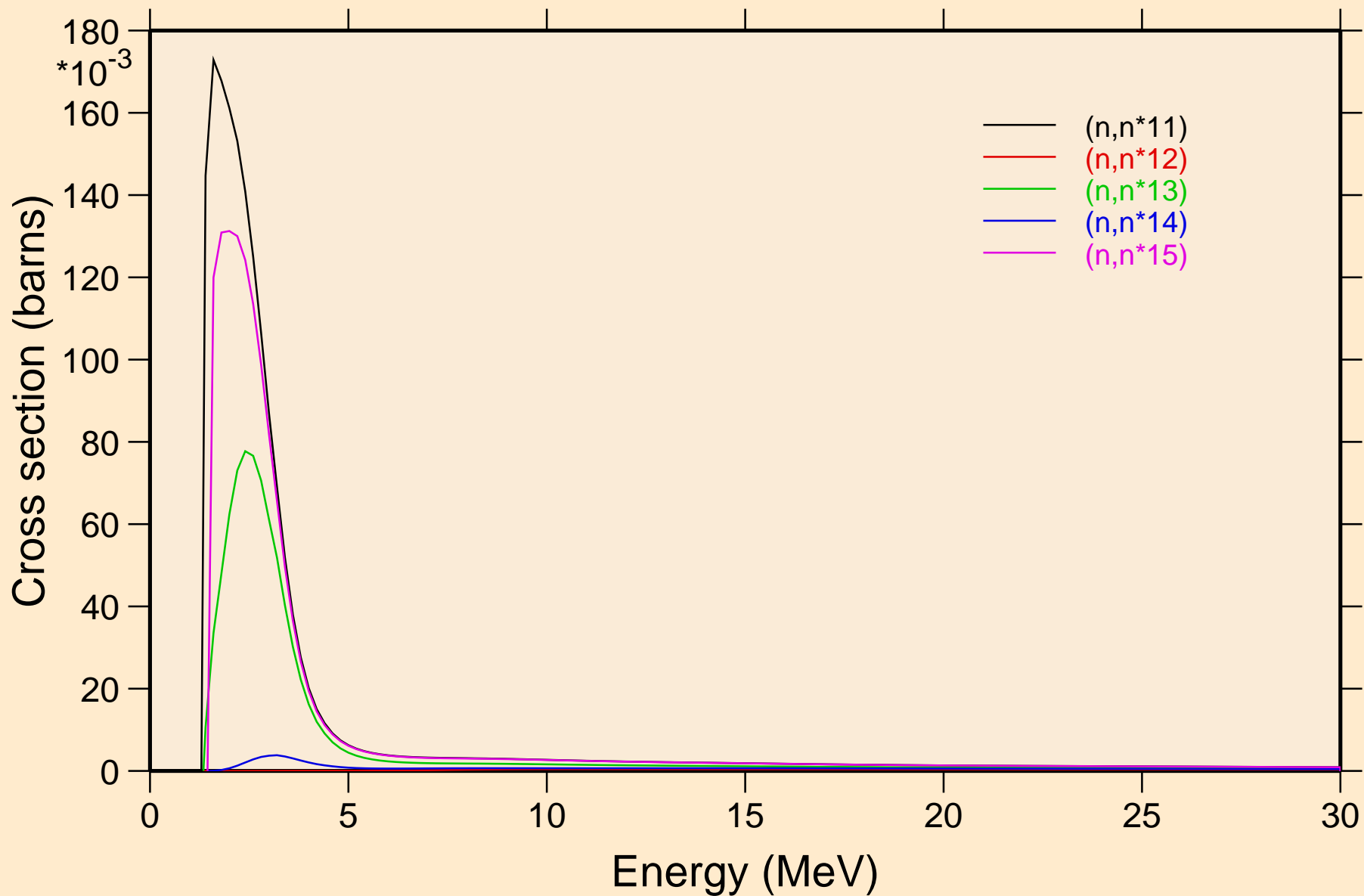
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Inelastic levels



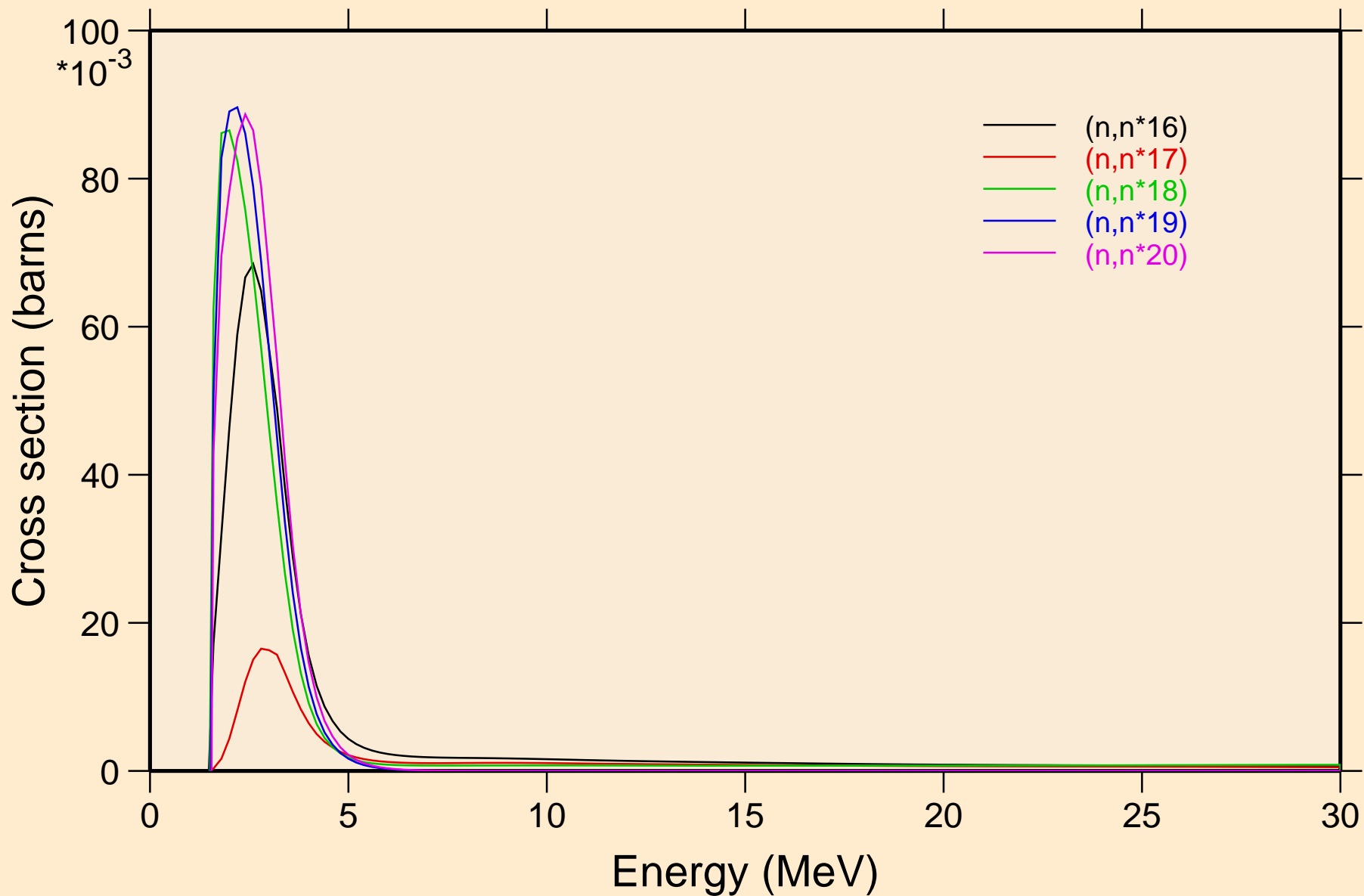
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



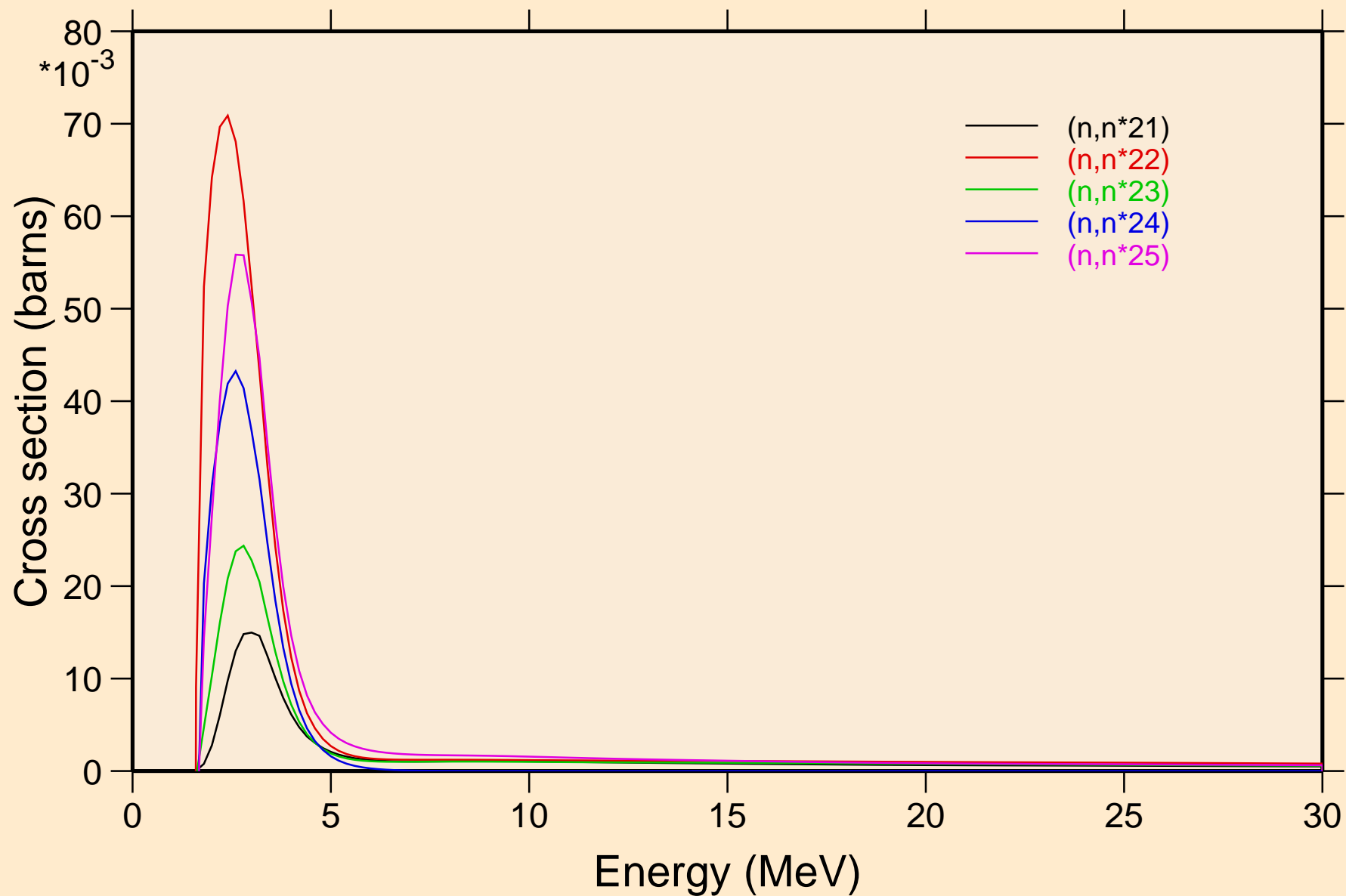
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



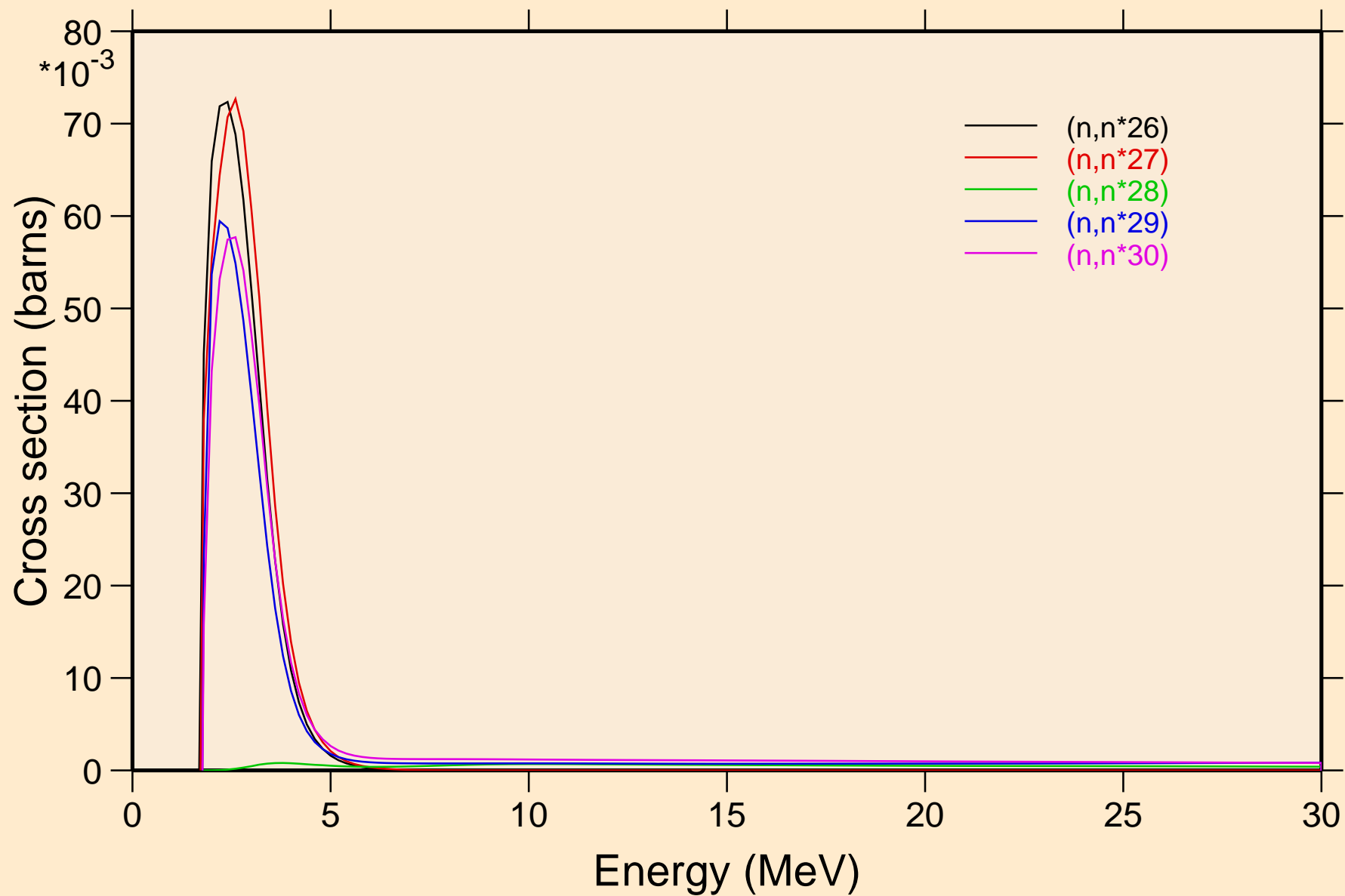
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

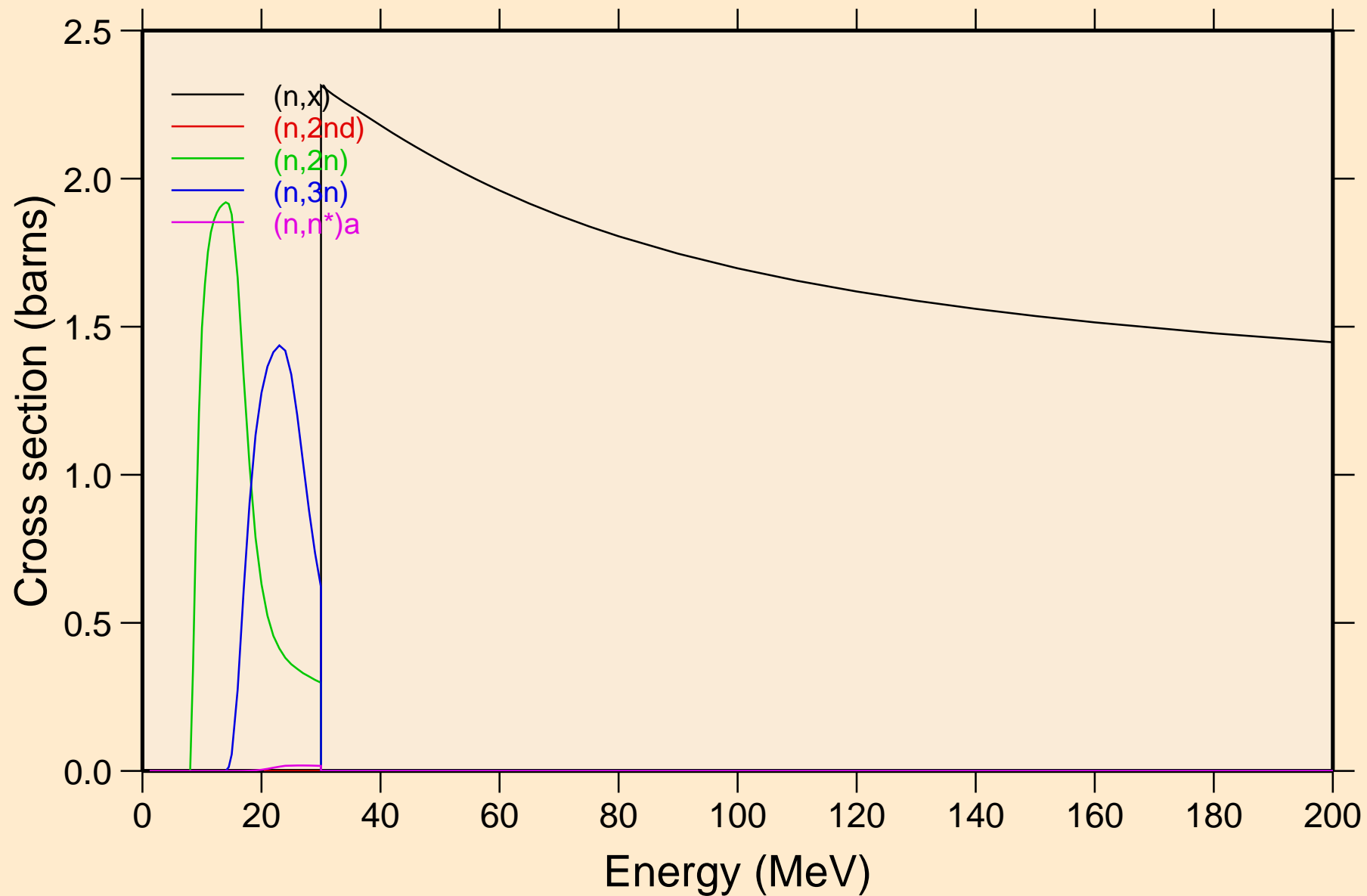


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

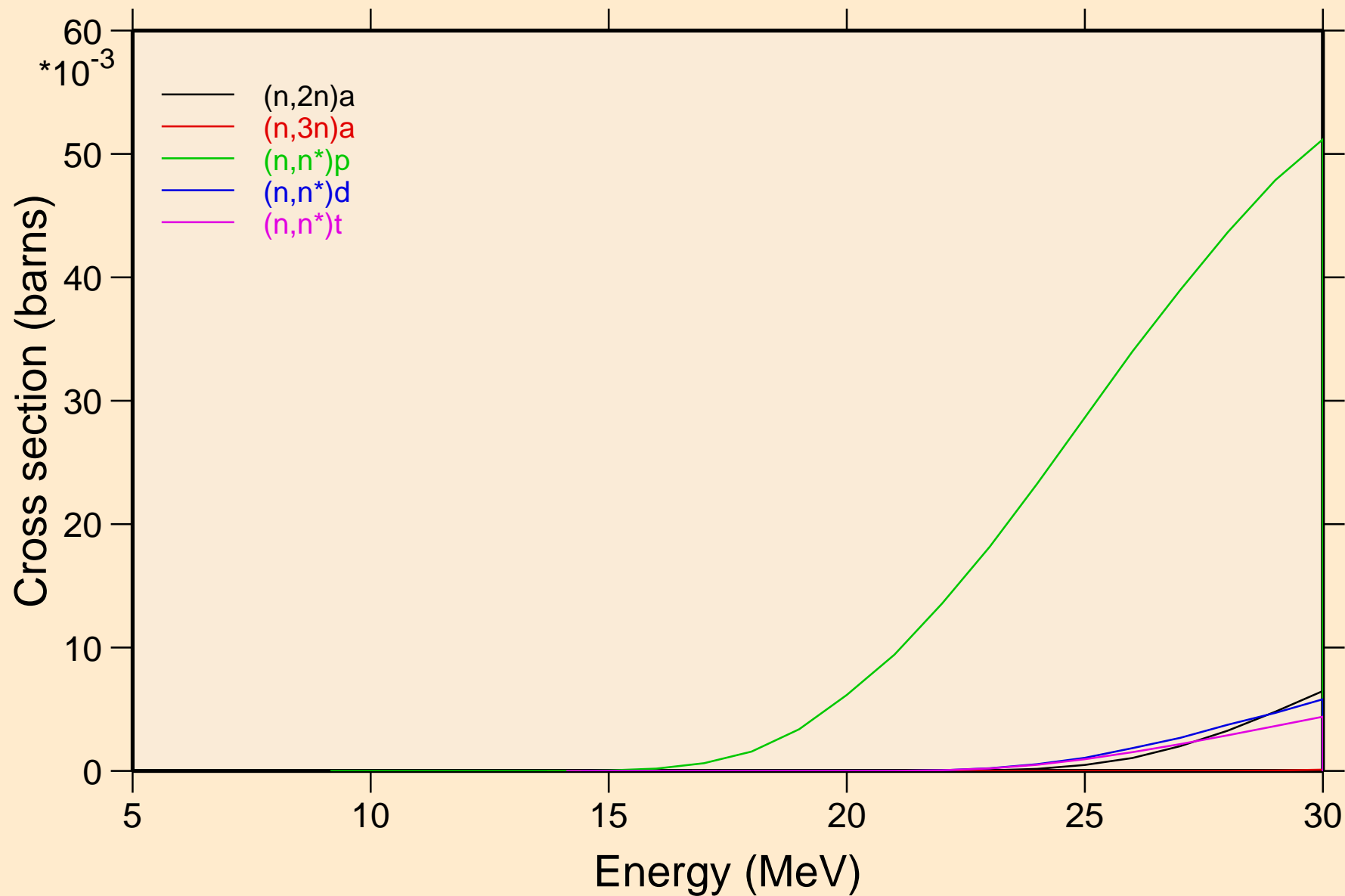


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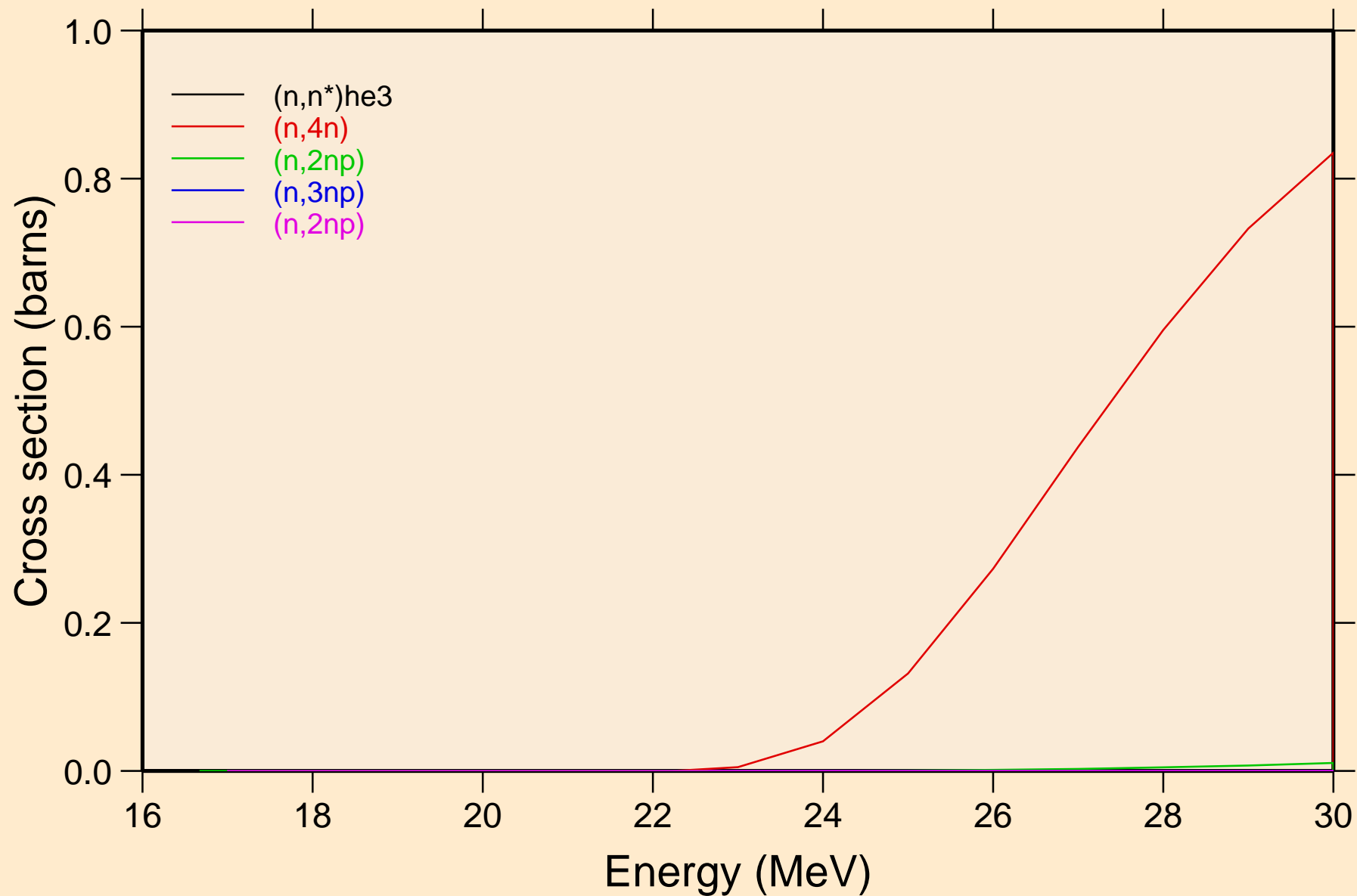
Threshold reactions



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

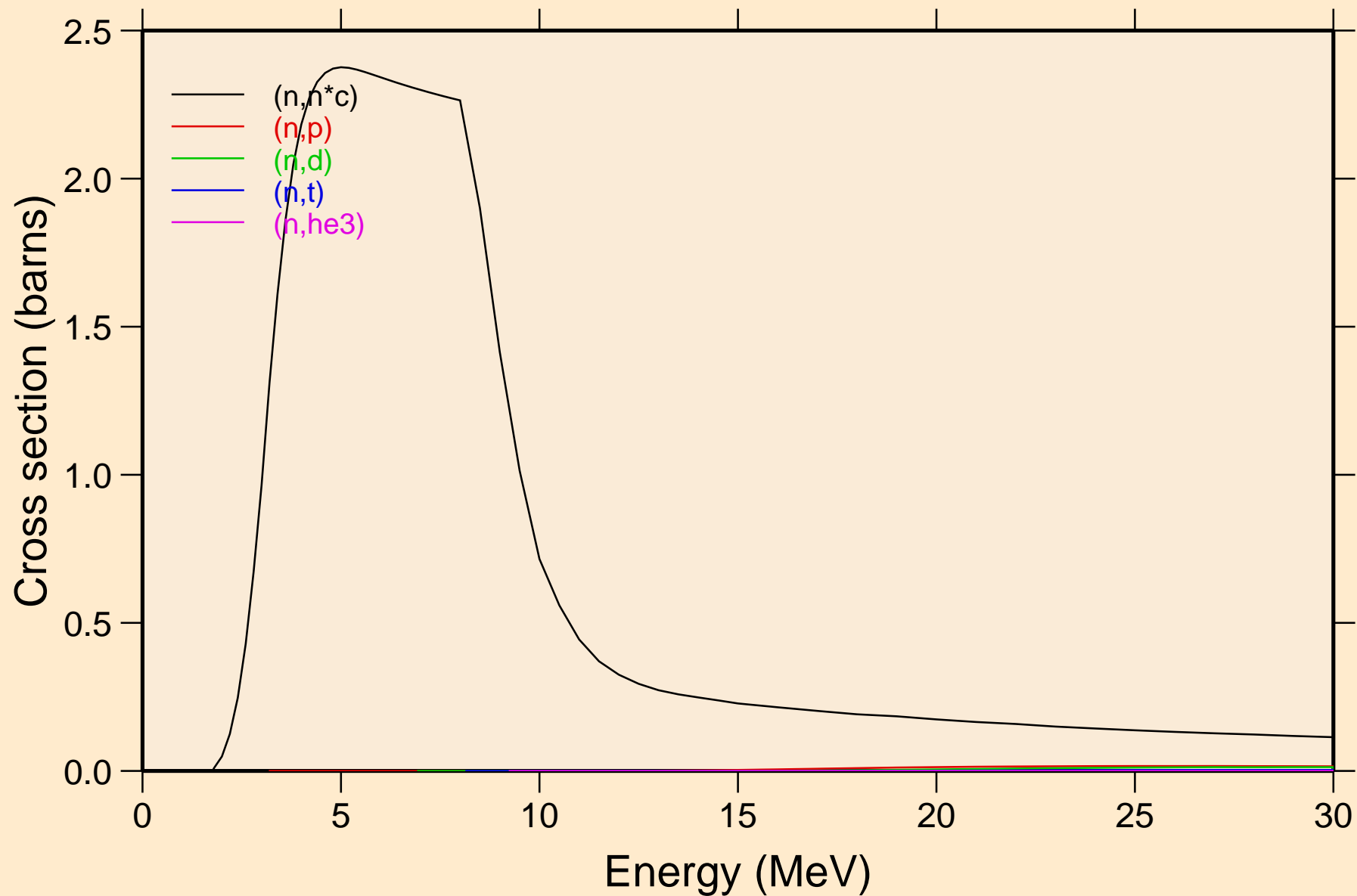


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

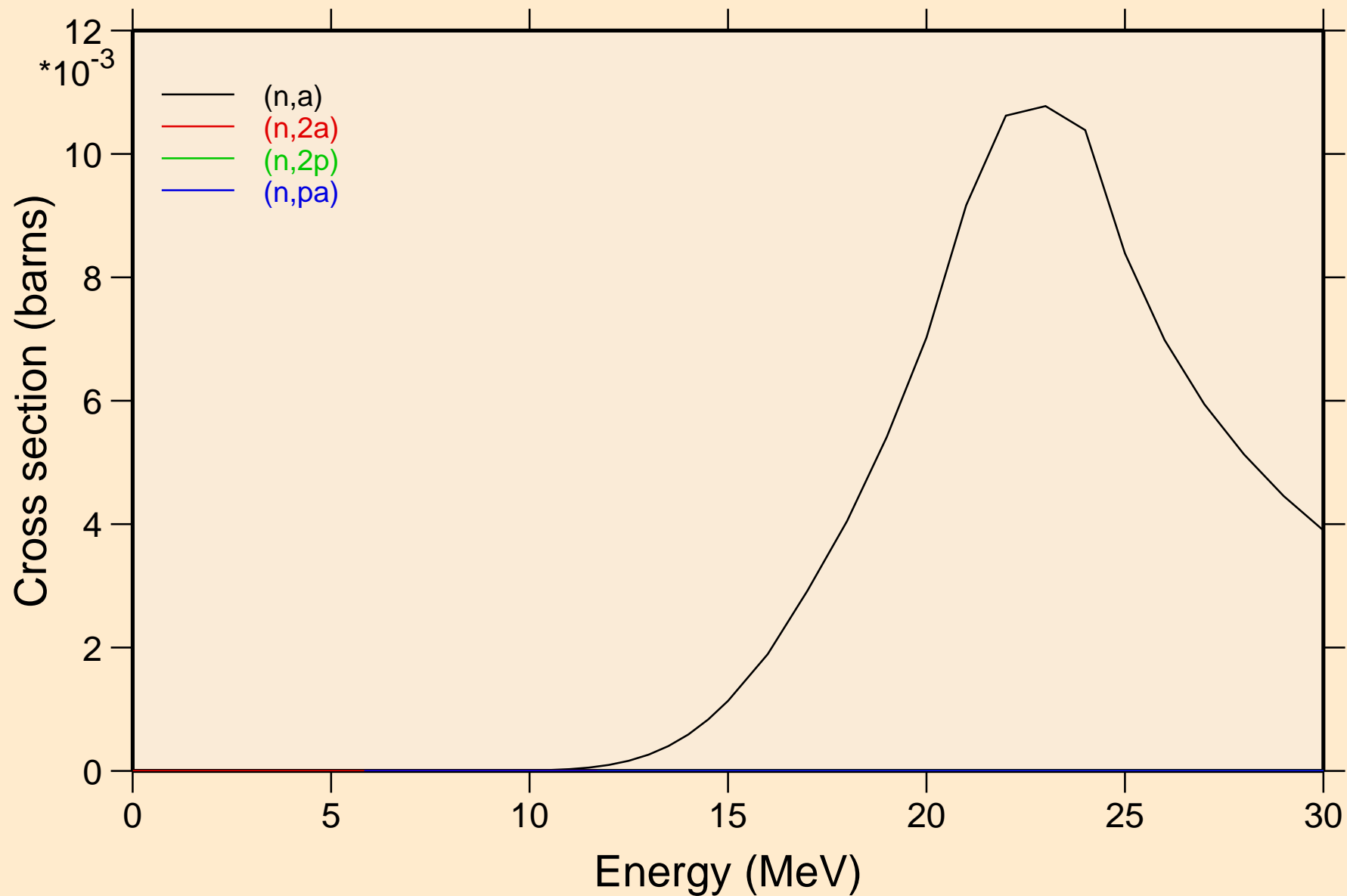


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

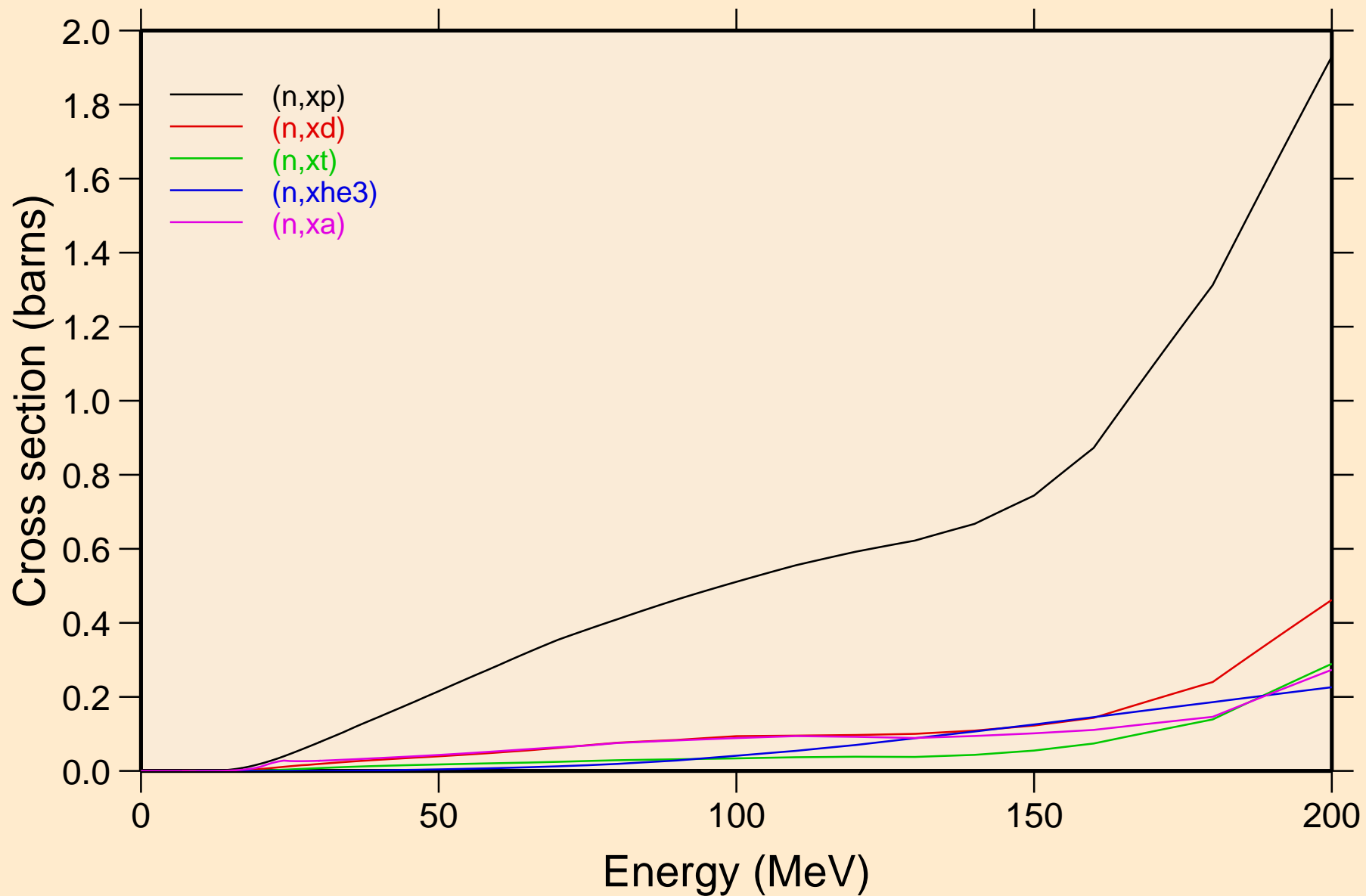
Threshold reactions



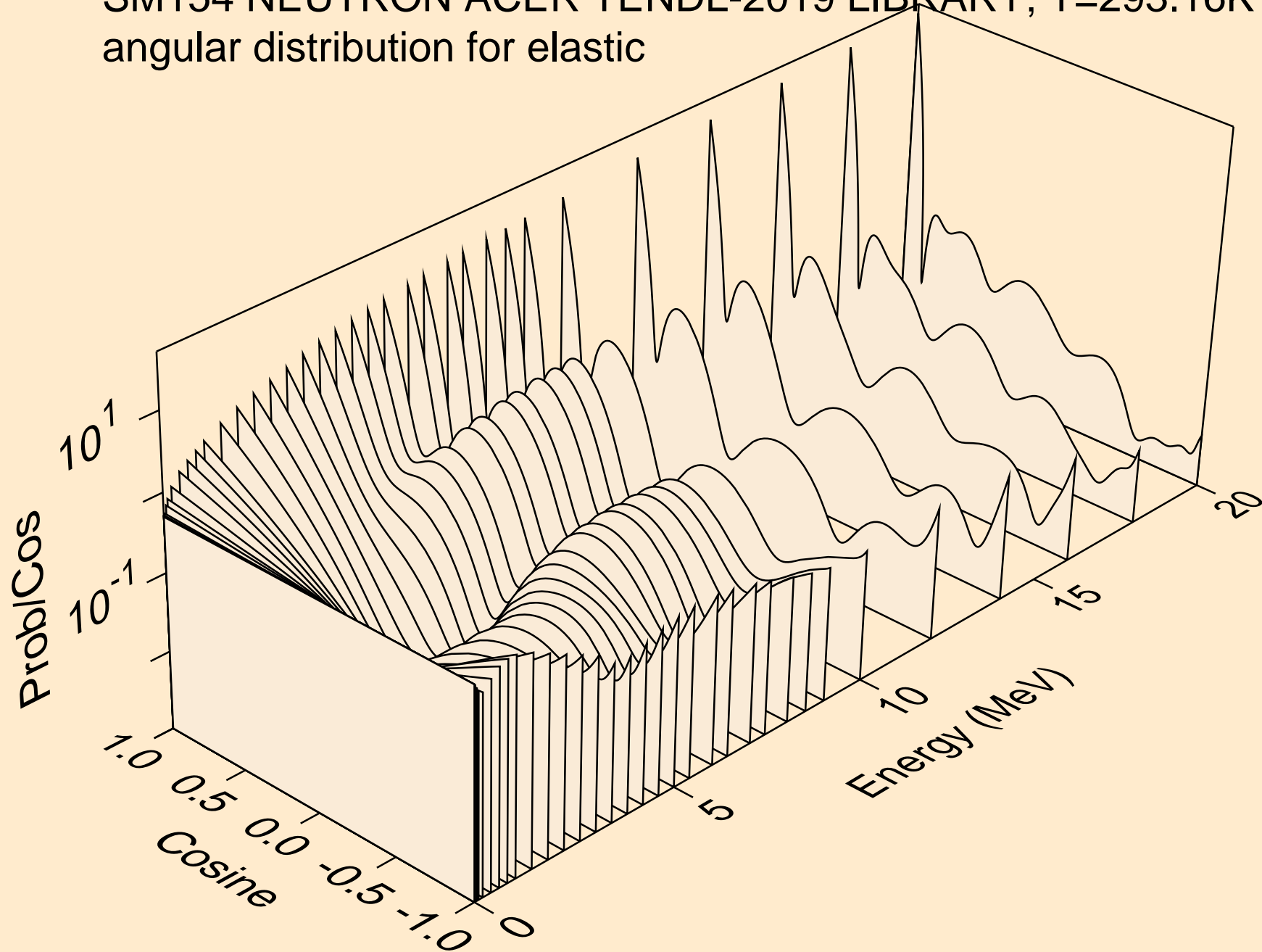
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



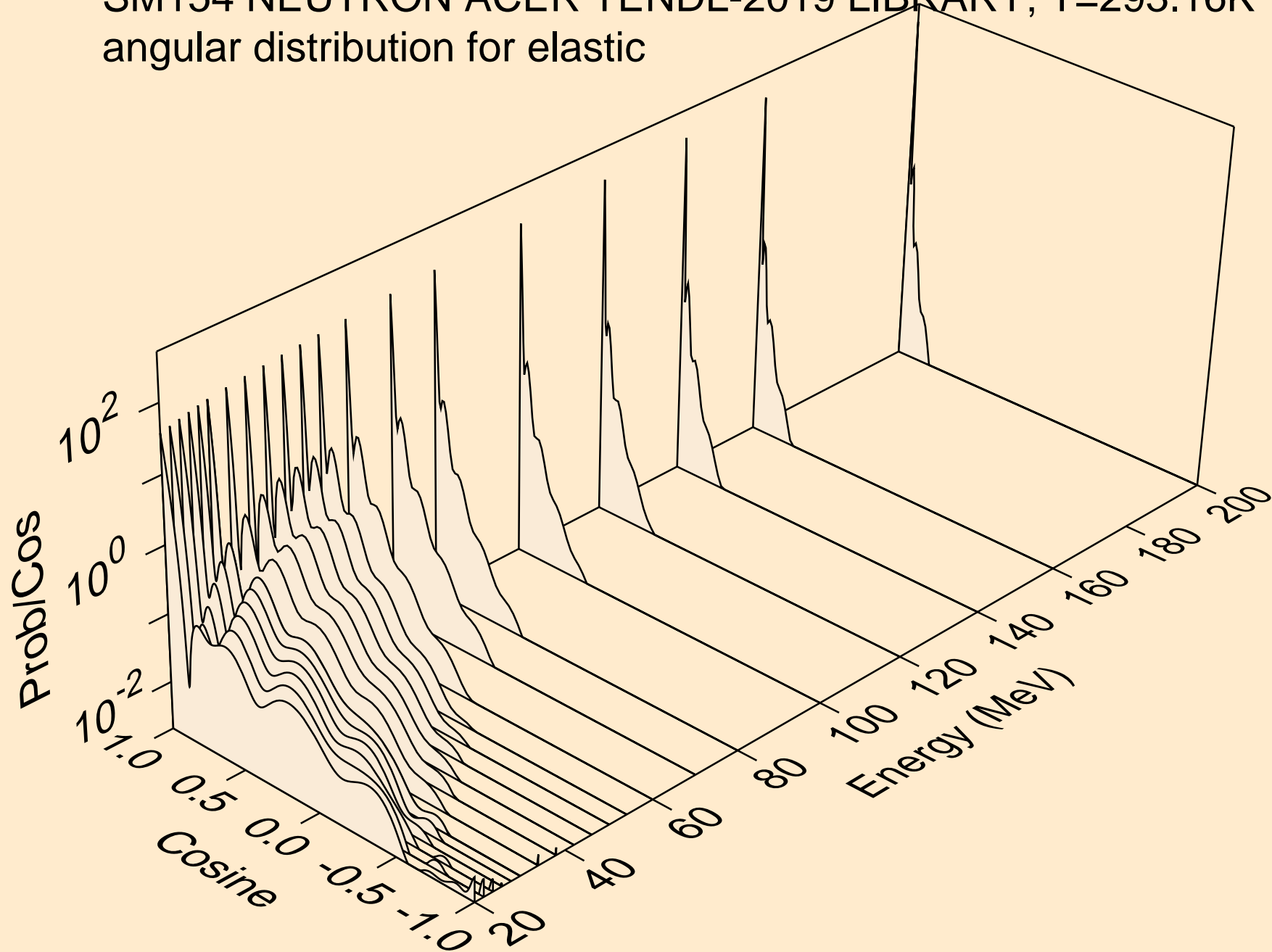
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



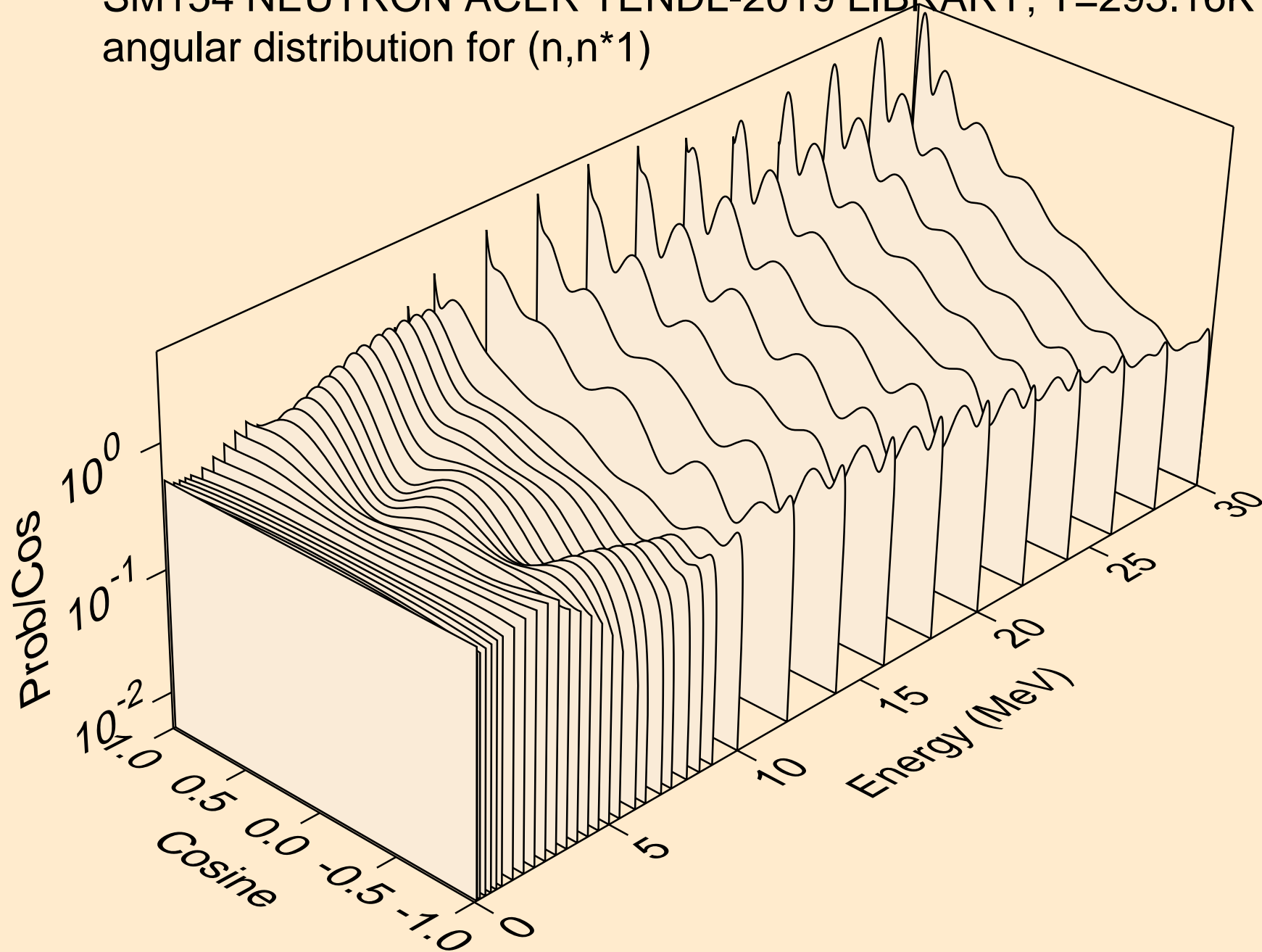
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



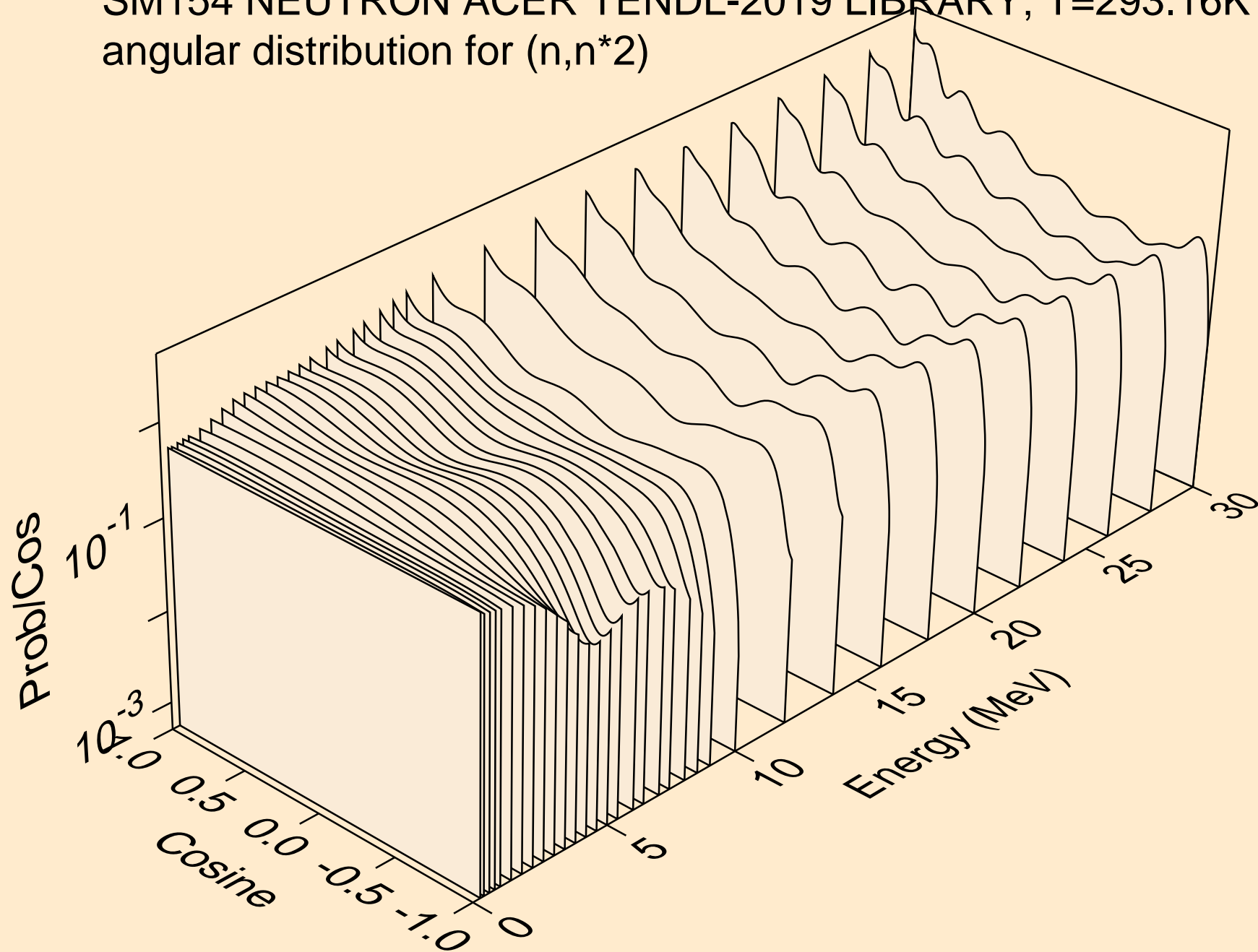
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angular distribution for elastic



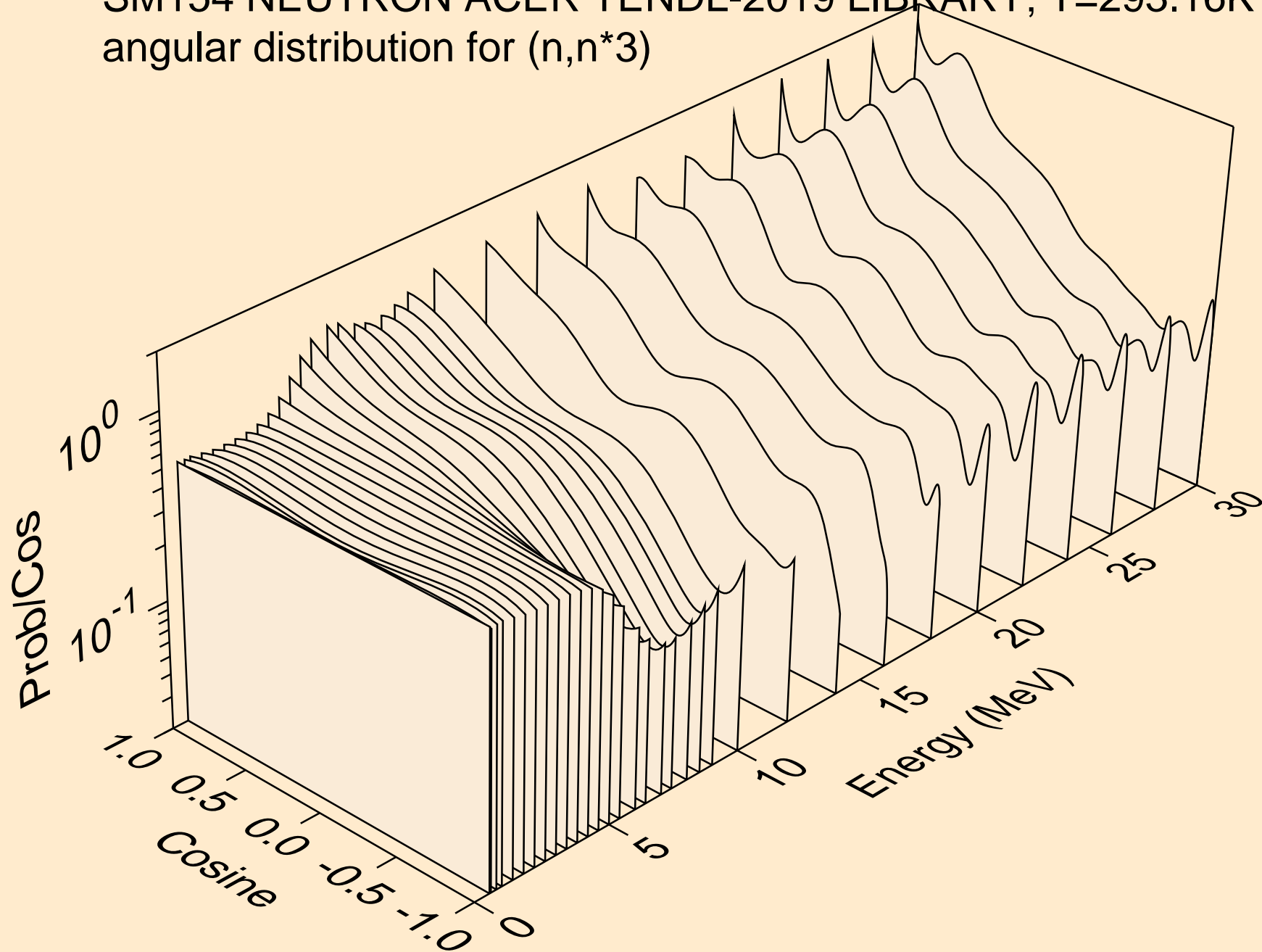
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



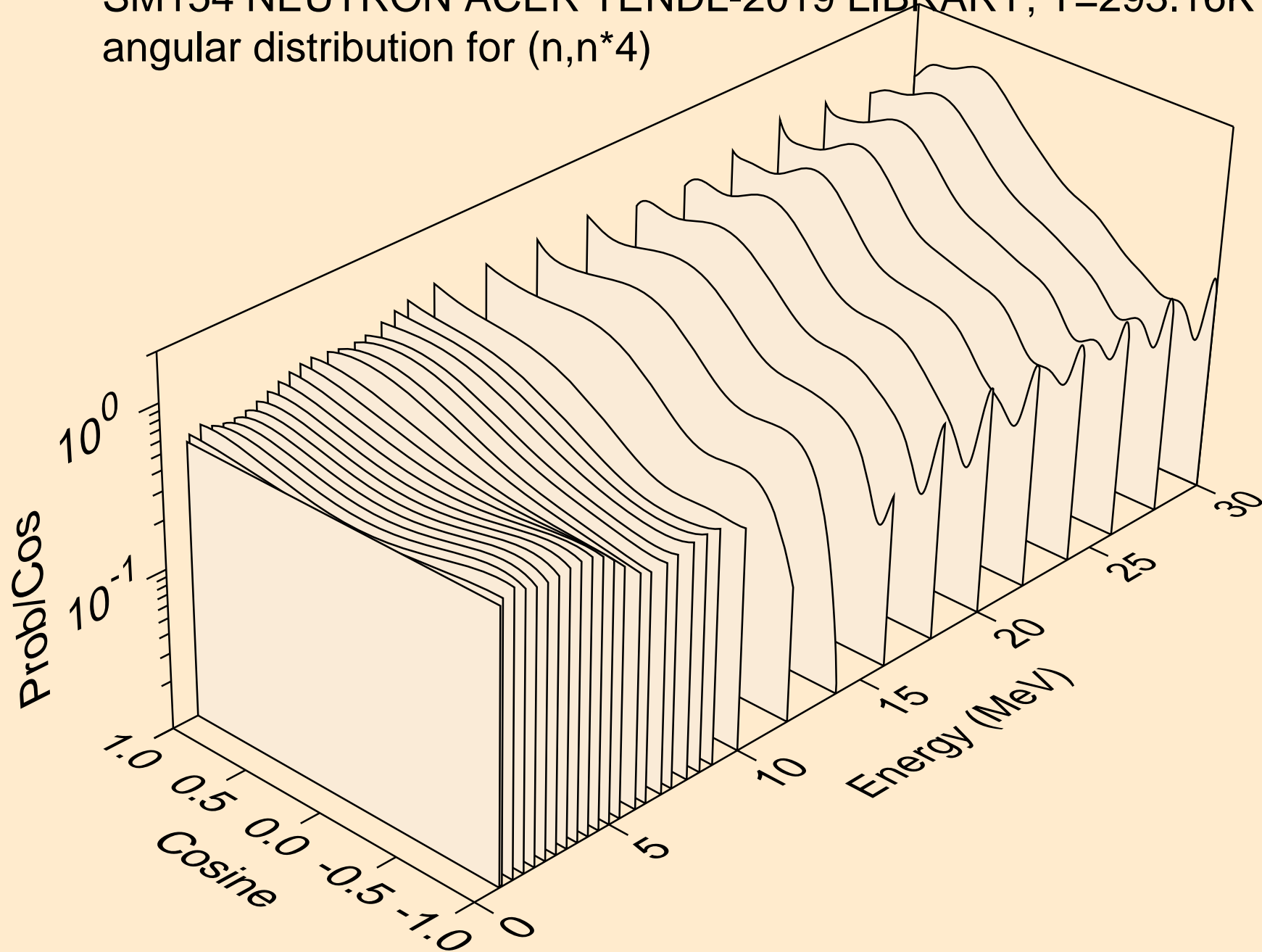
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



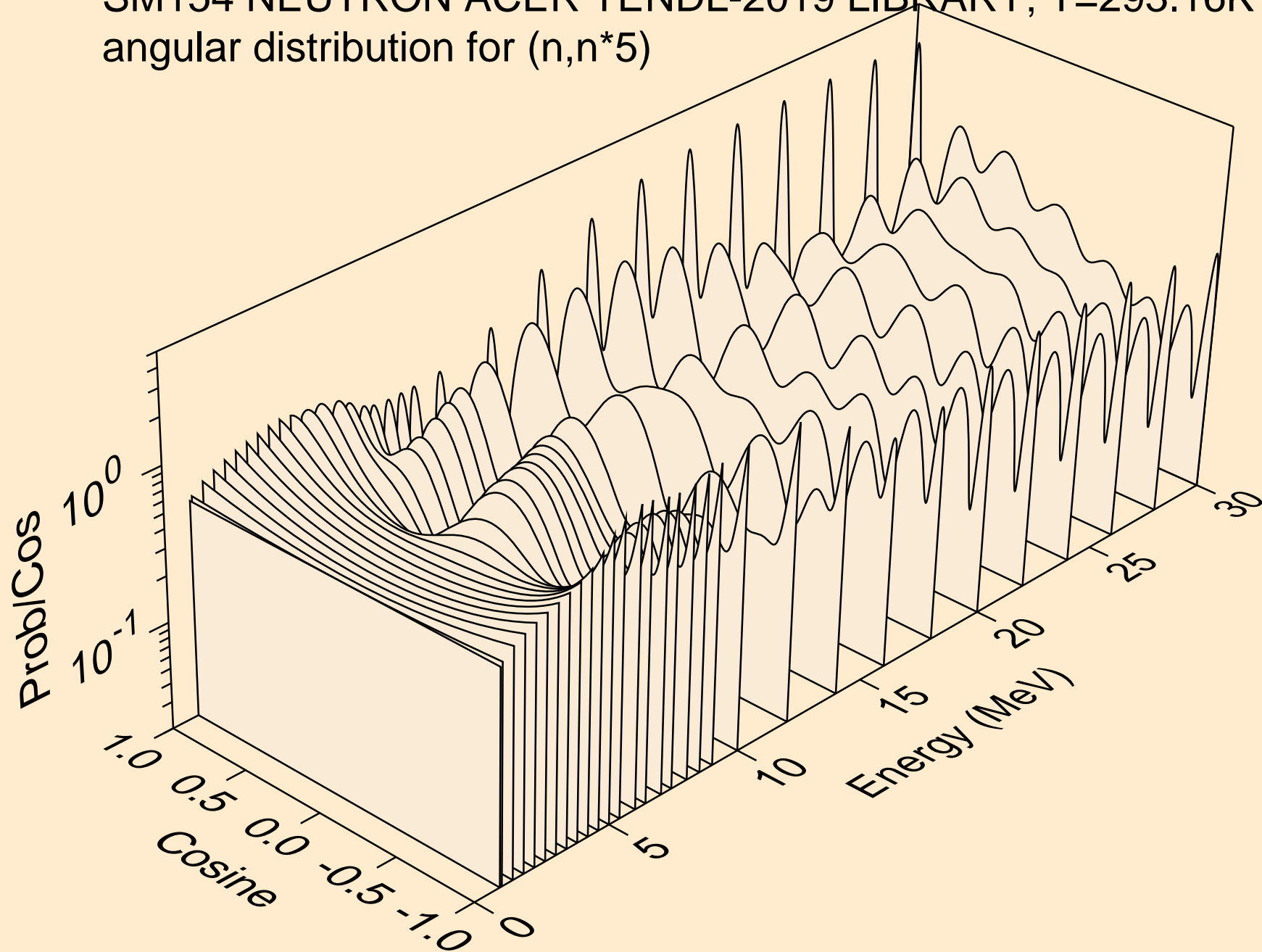
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



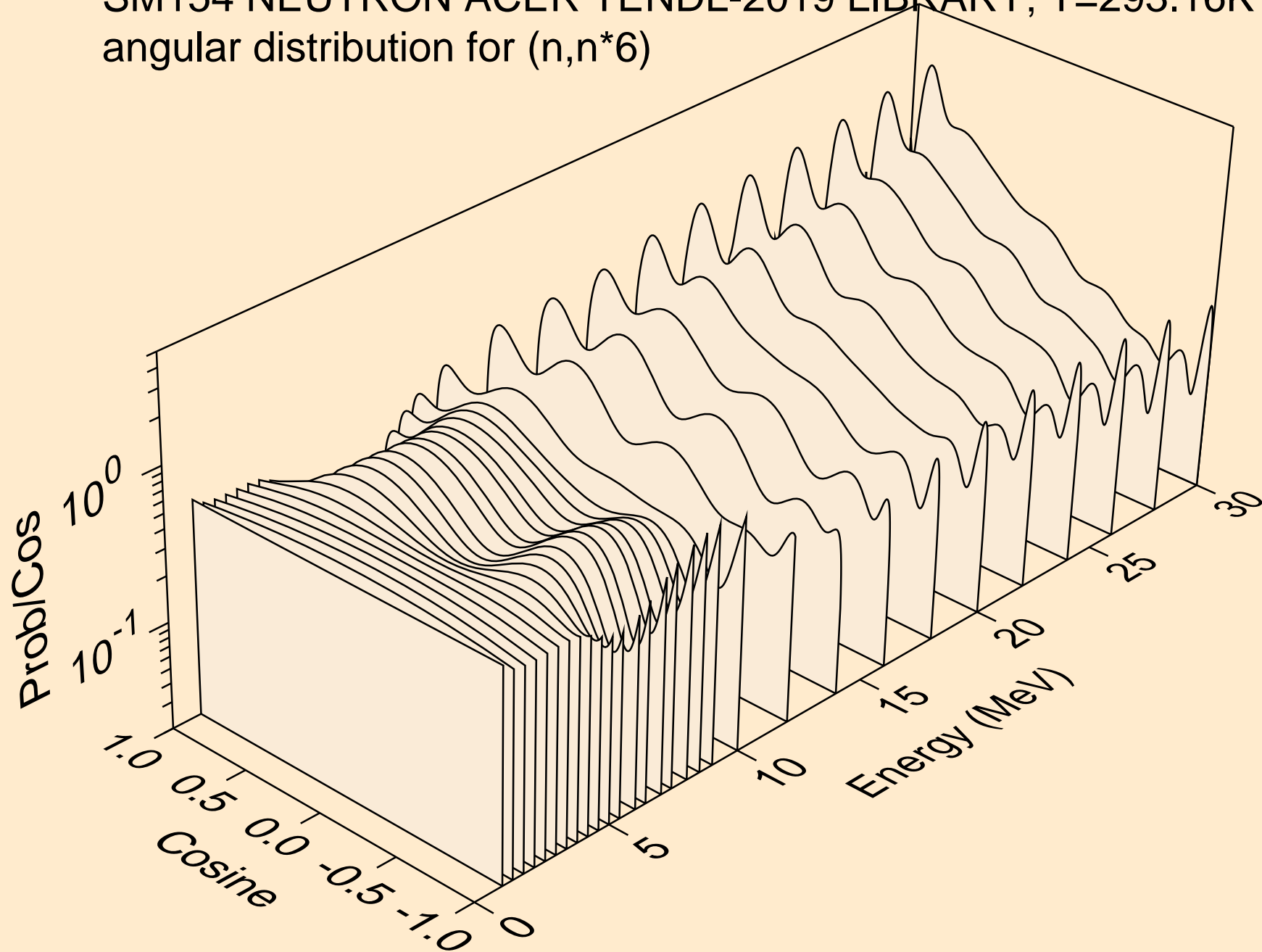
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angular distribution for (n,n*4)



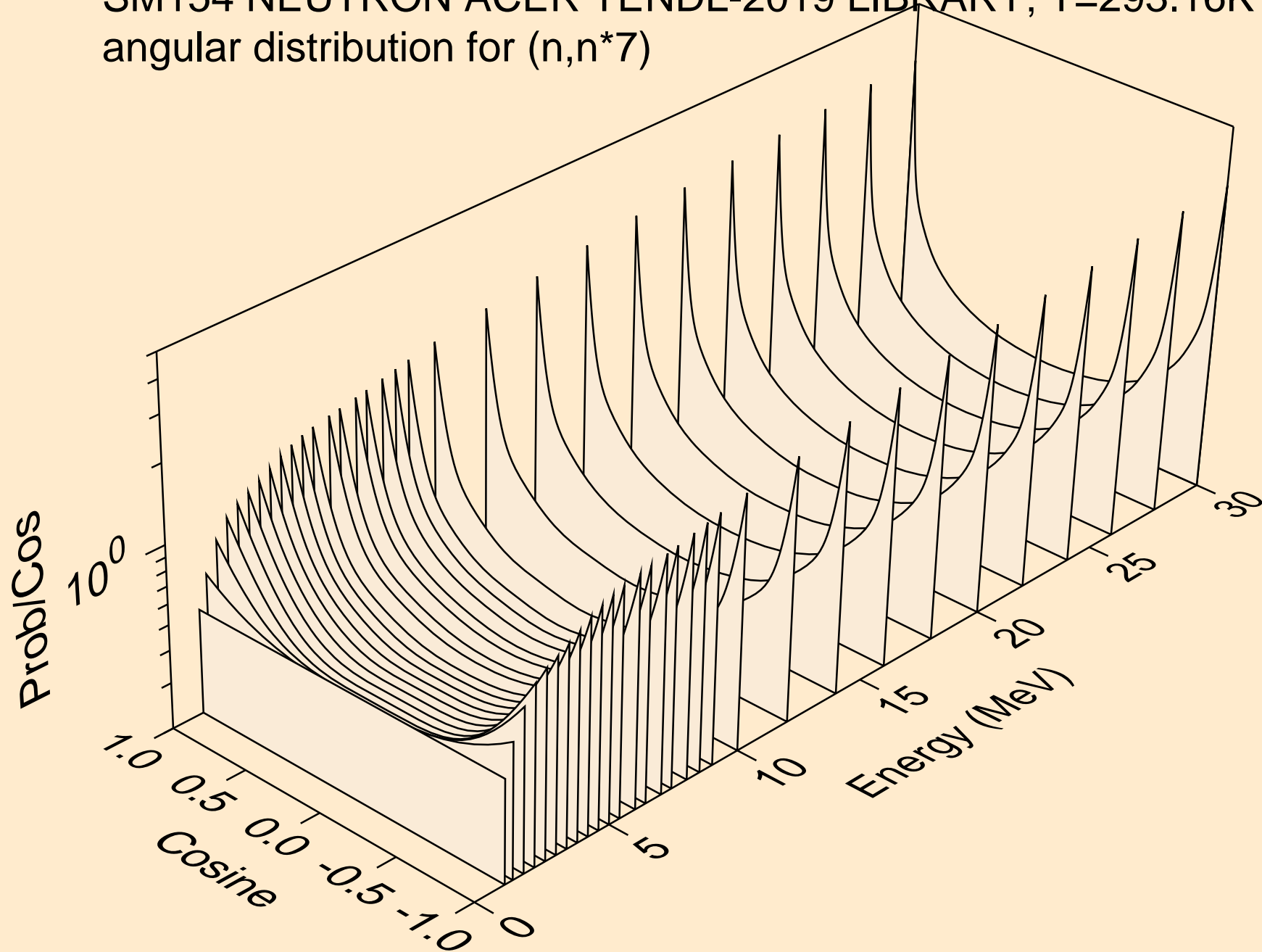
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angular distribution for (n,n*5)



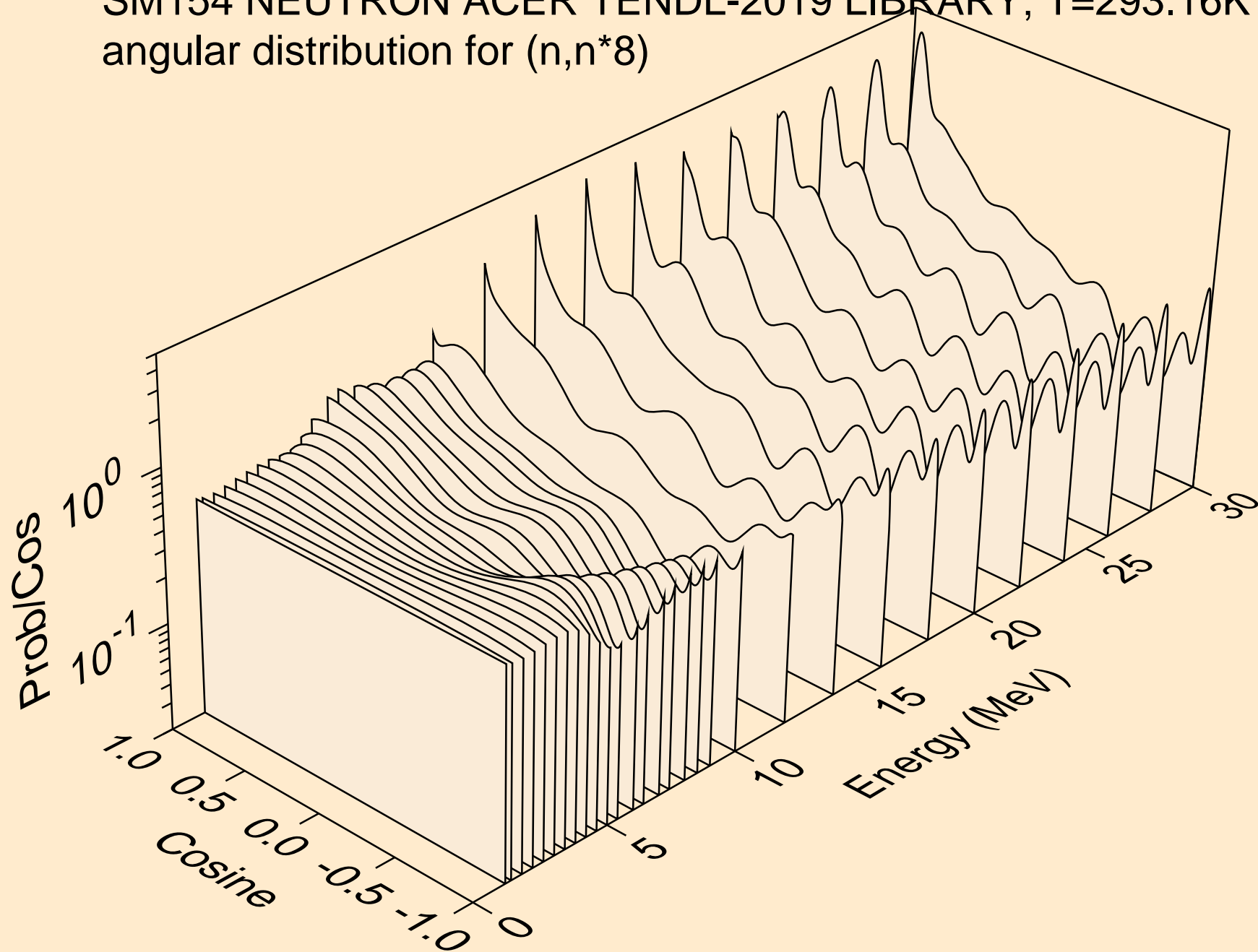
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angular distribution for (n,n*6)



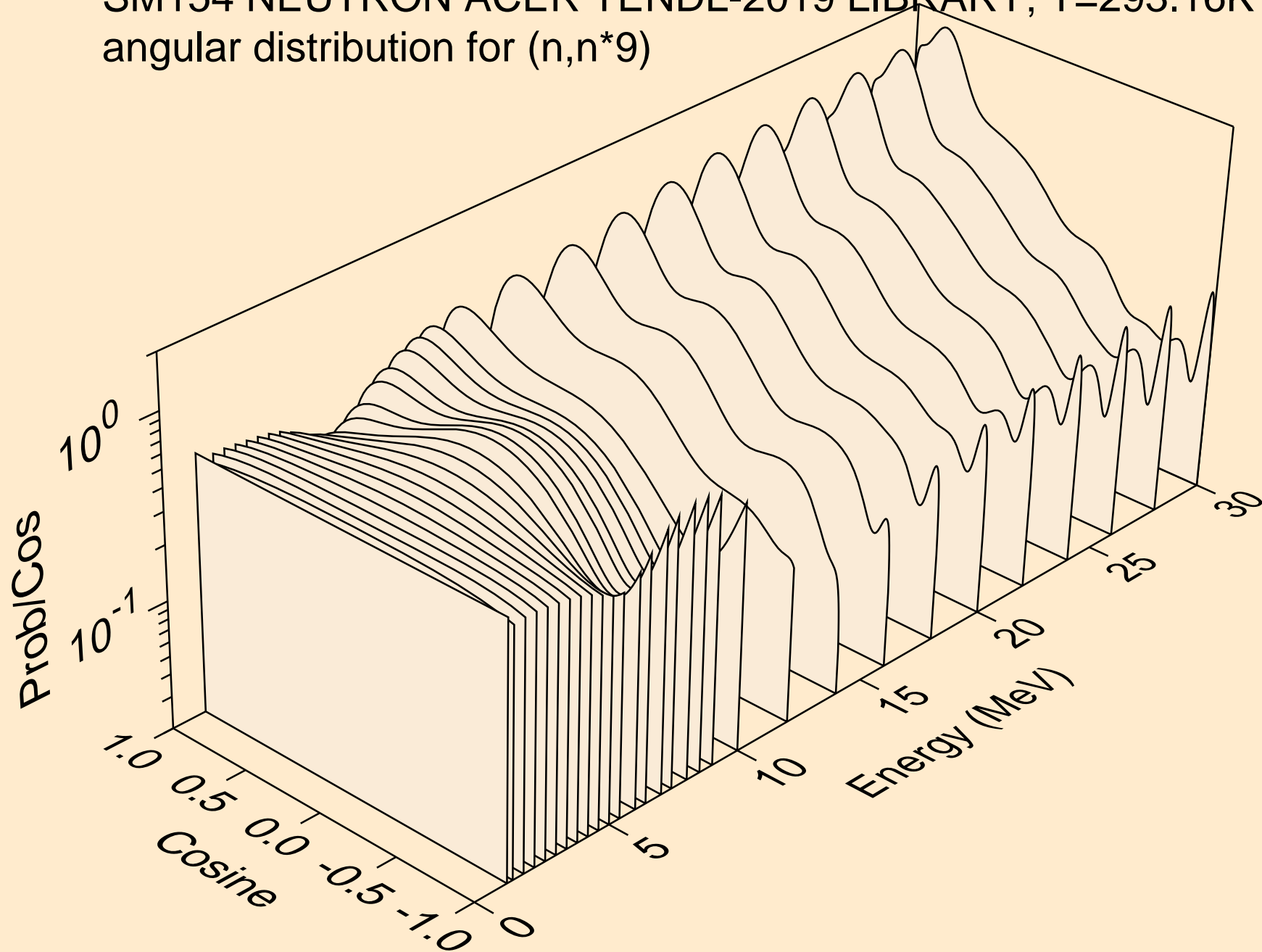
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angular distribution for (n,n*7)



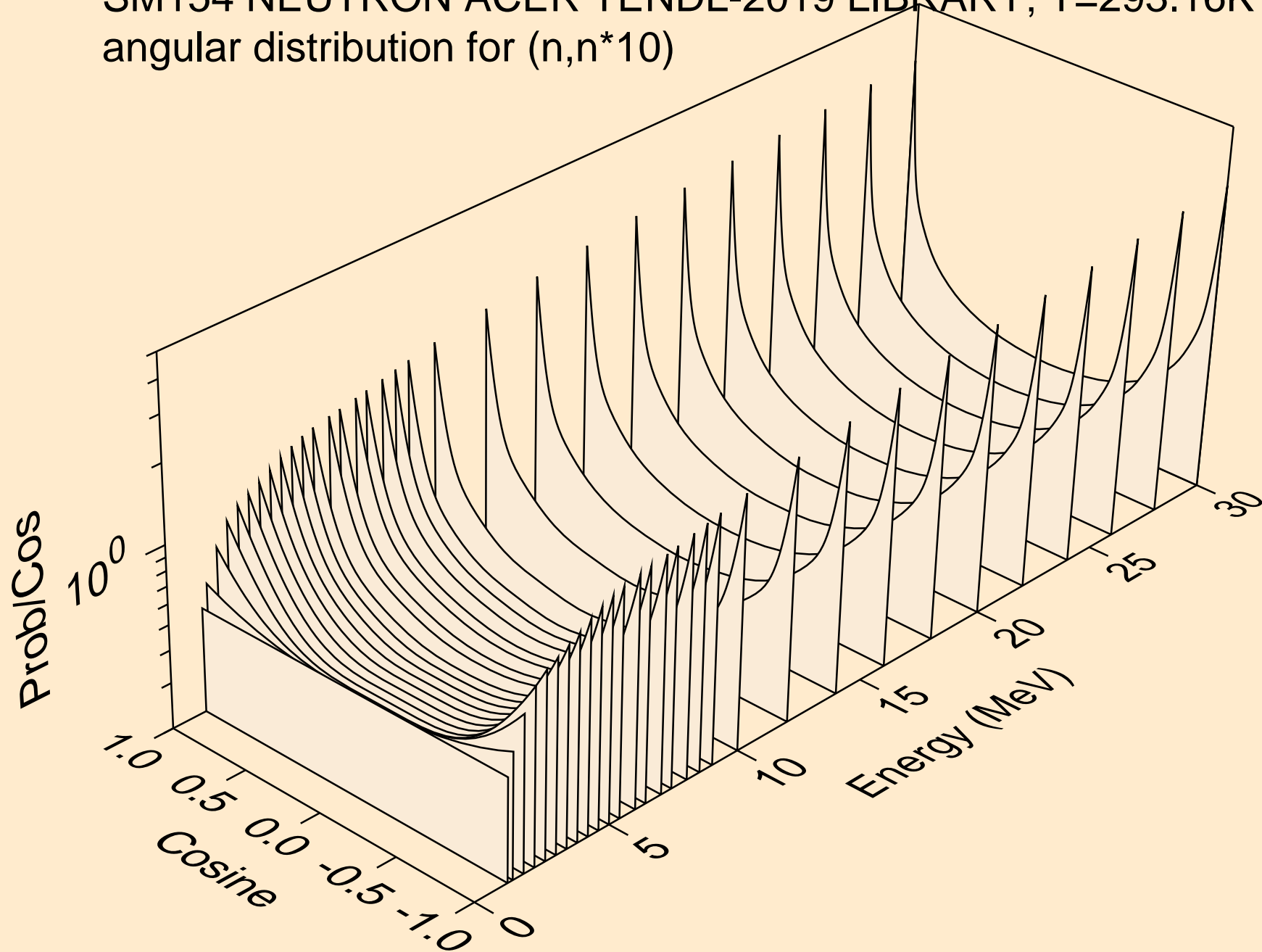
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angular distribution for (n,n*8)



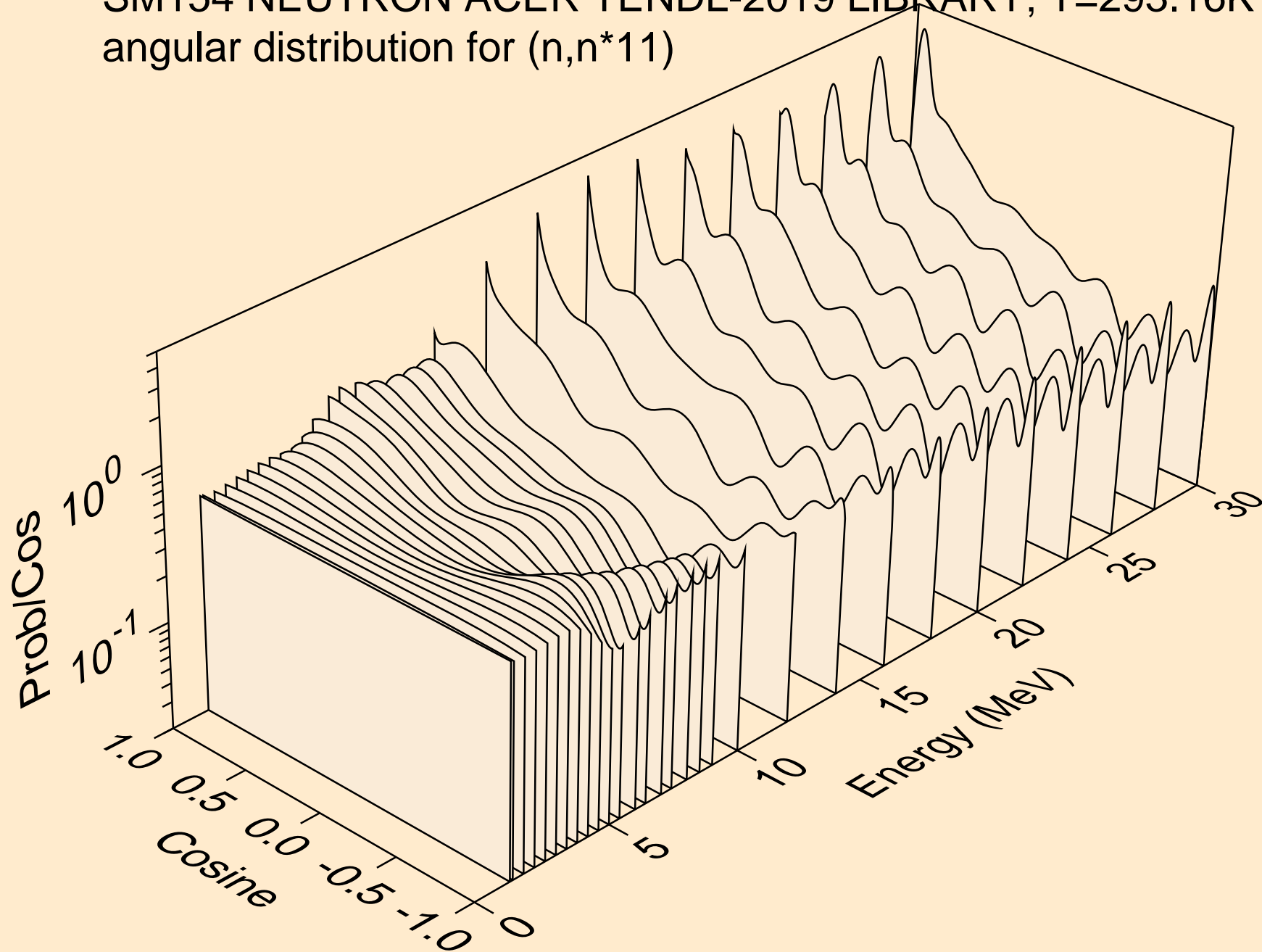
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angular distribution for (n,n*9)



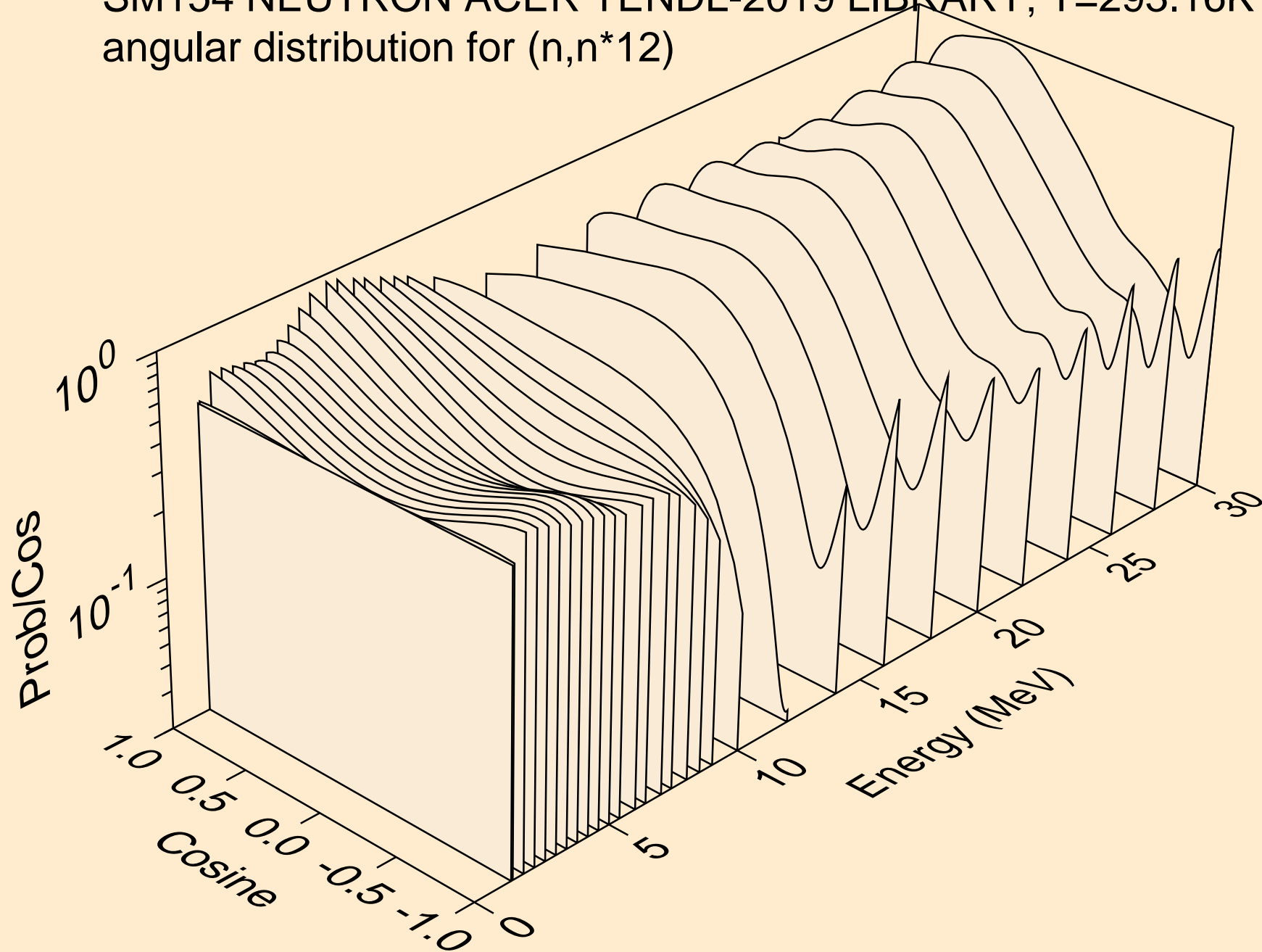
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angular distribution for (n,n*10)



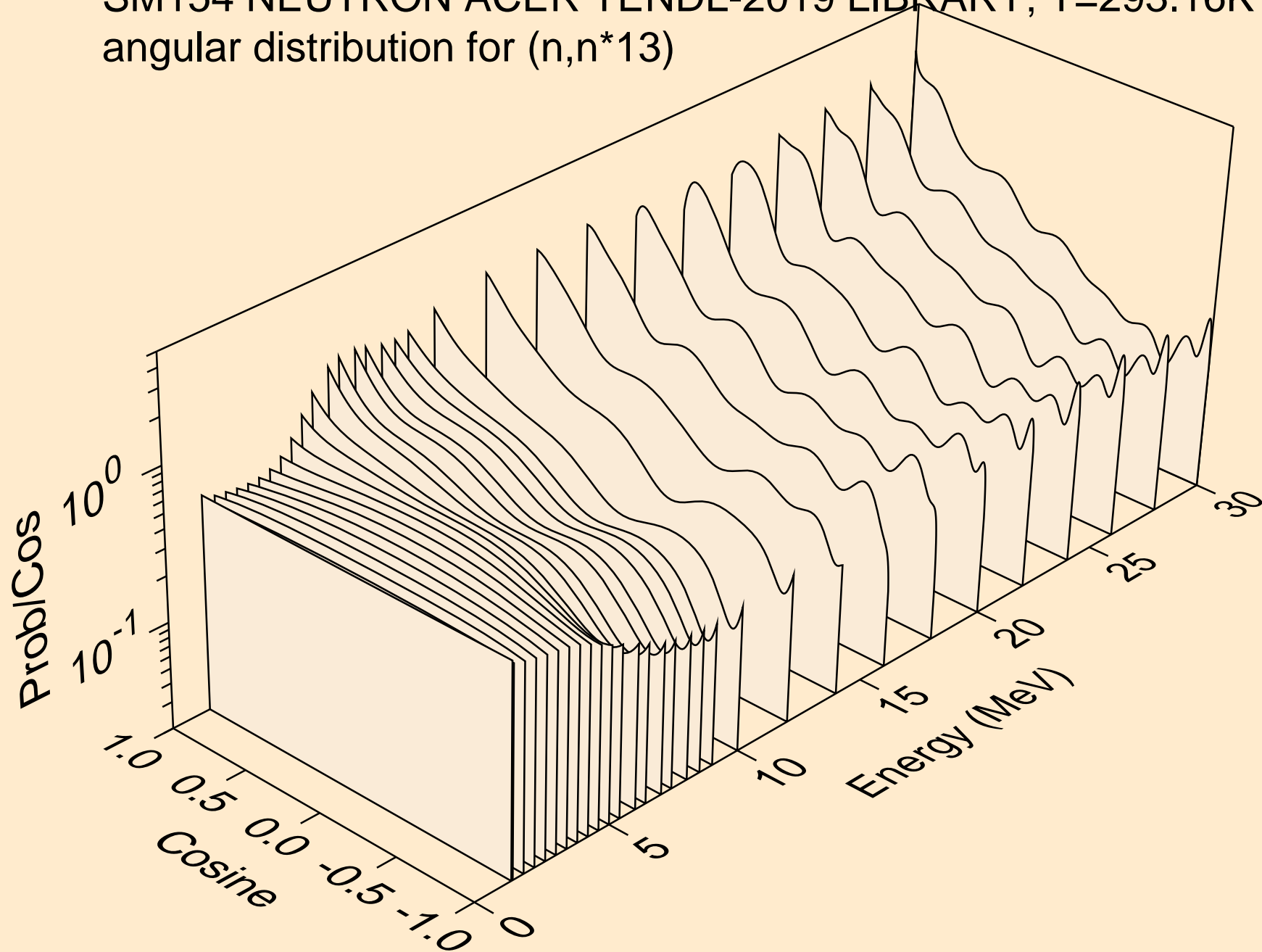
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angular distribution for (n,n*11)



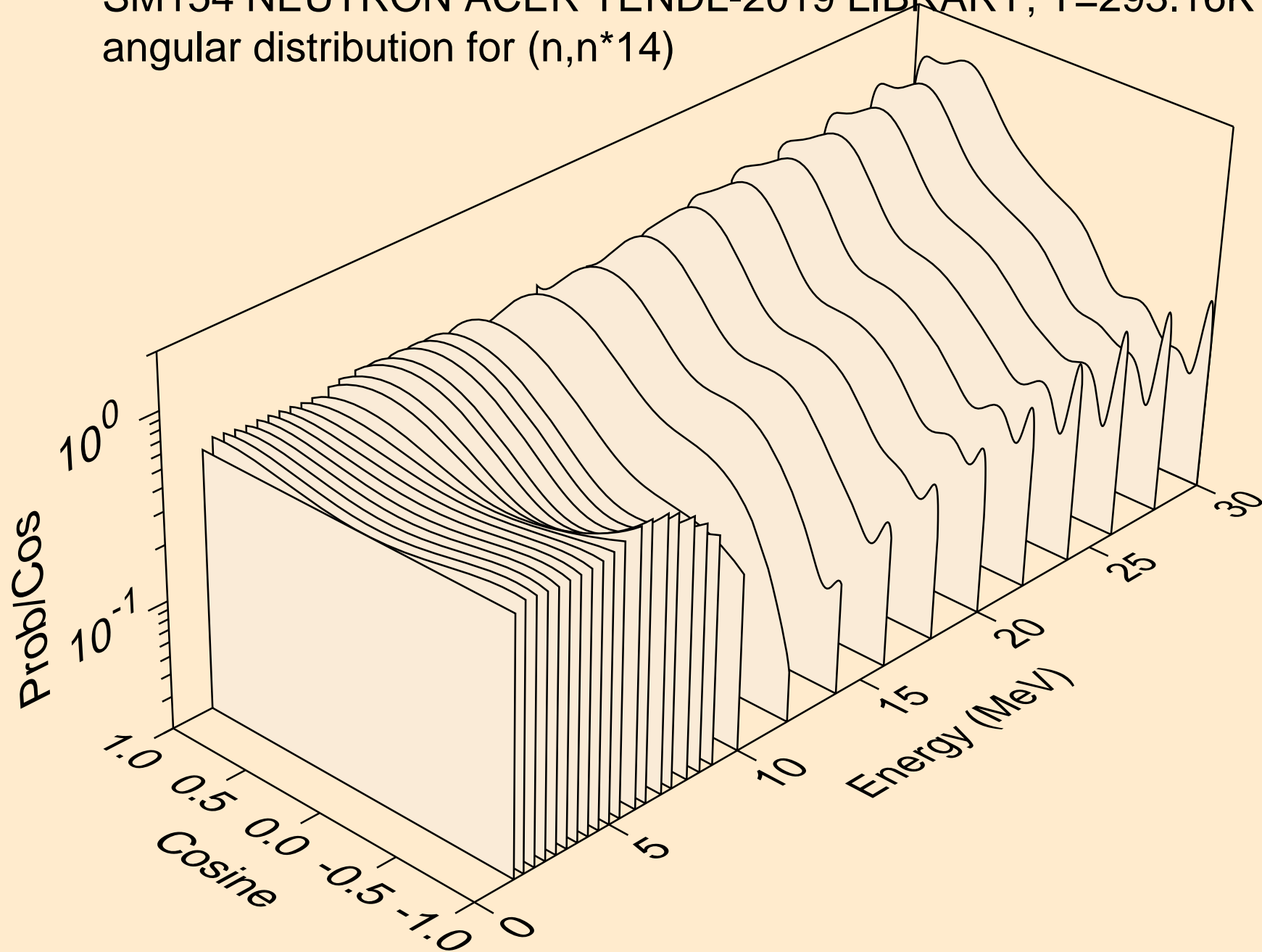
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angular distribution for (n,n*12)



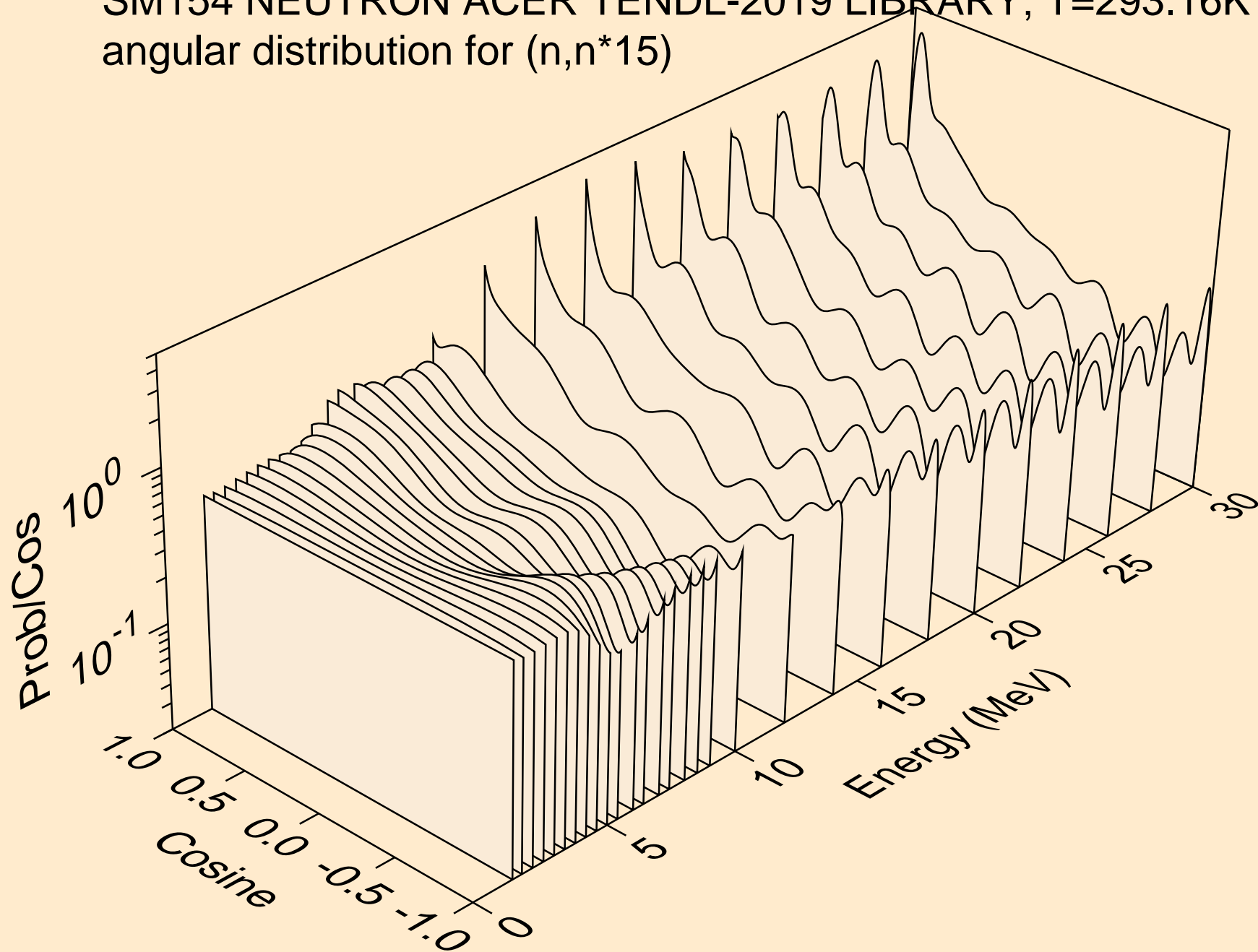
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angular distribution for (n,n*13)



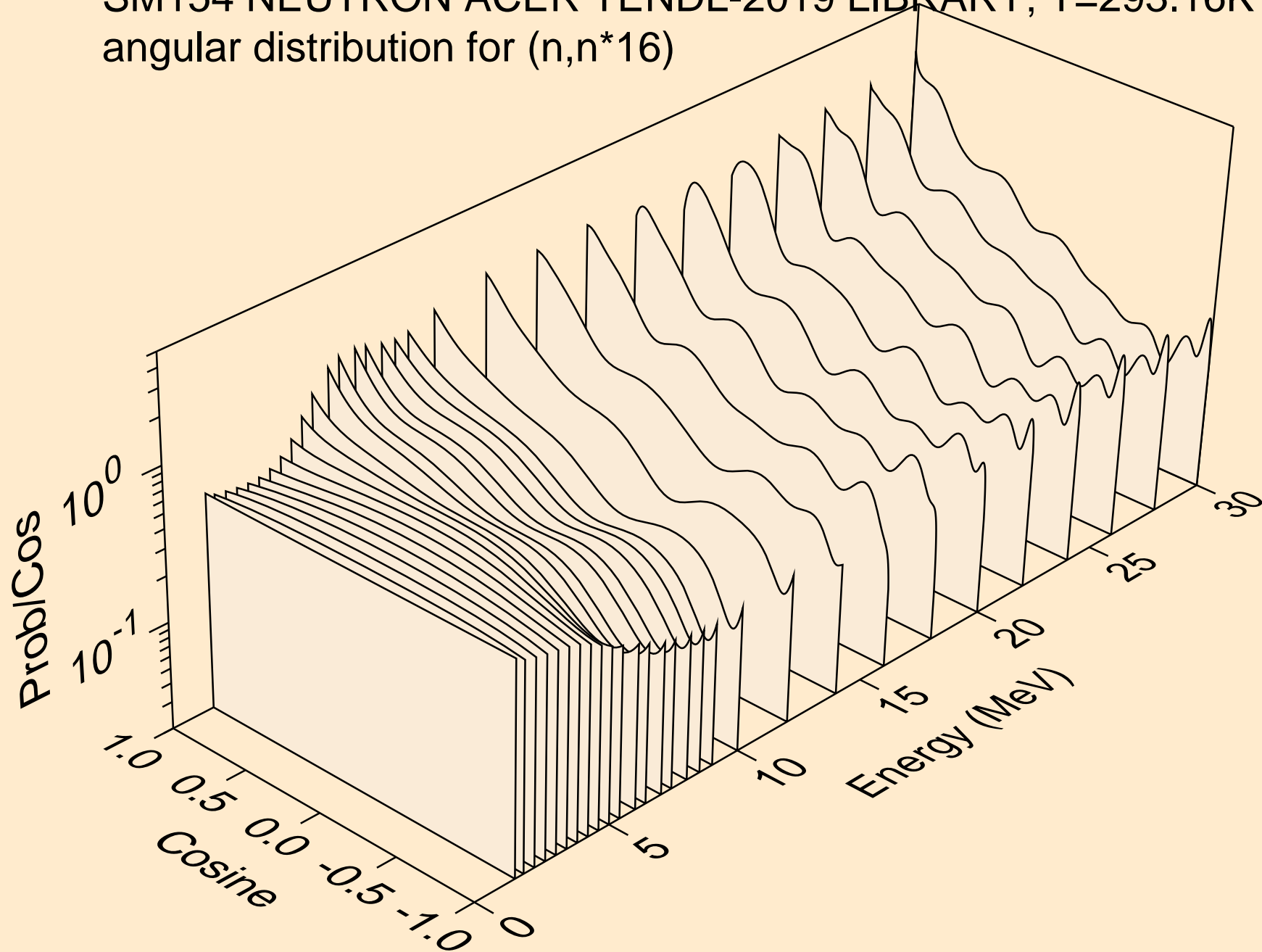
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angular distribution for (n,n*14)



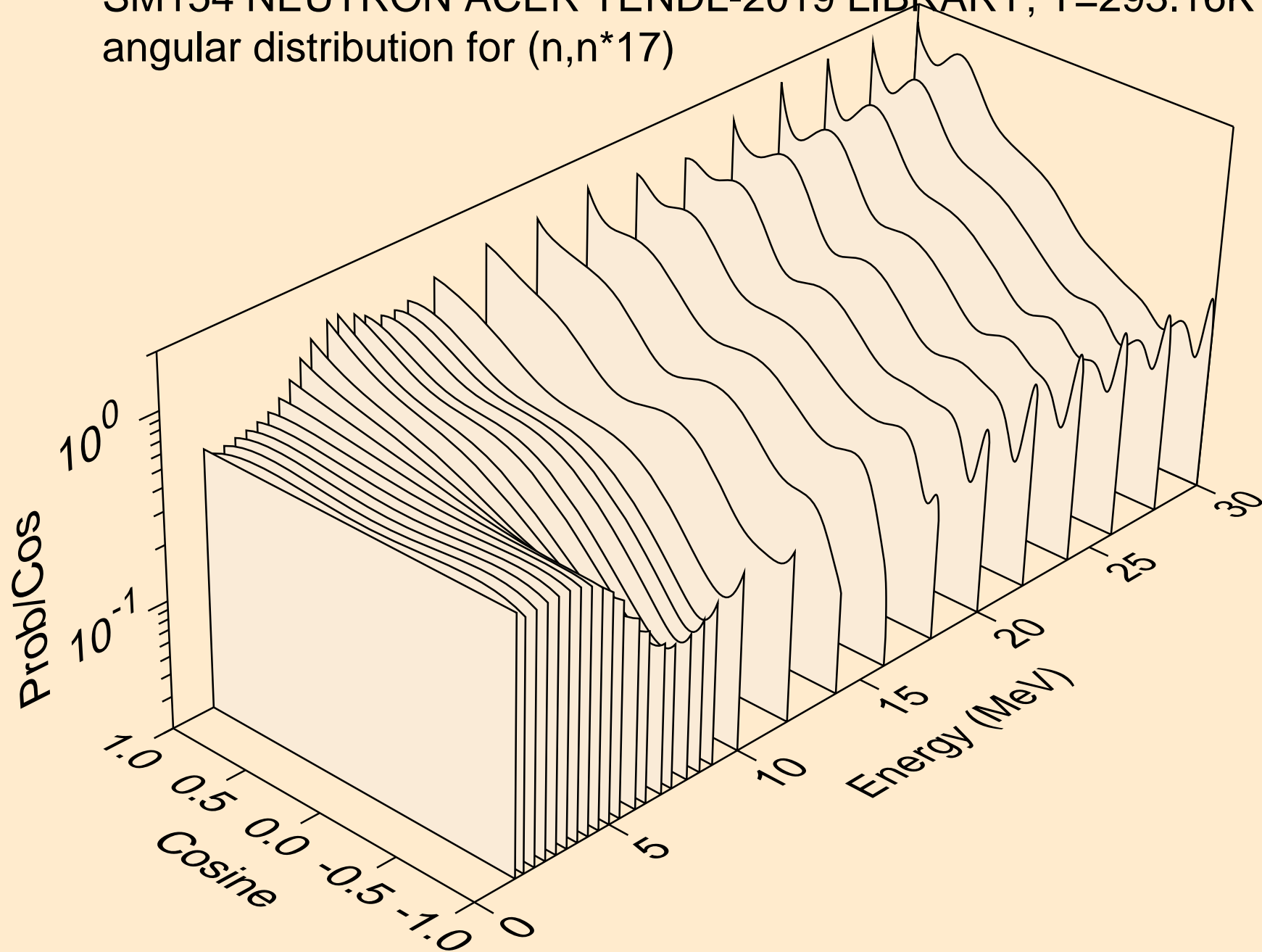
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angular distribution for (n,n*15)



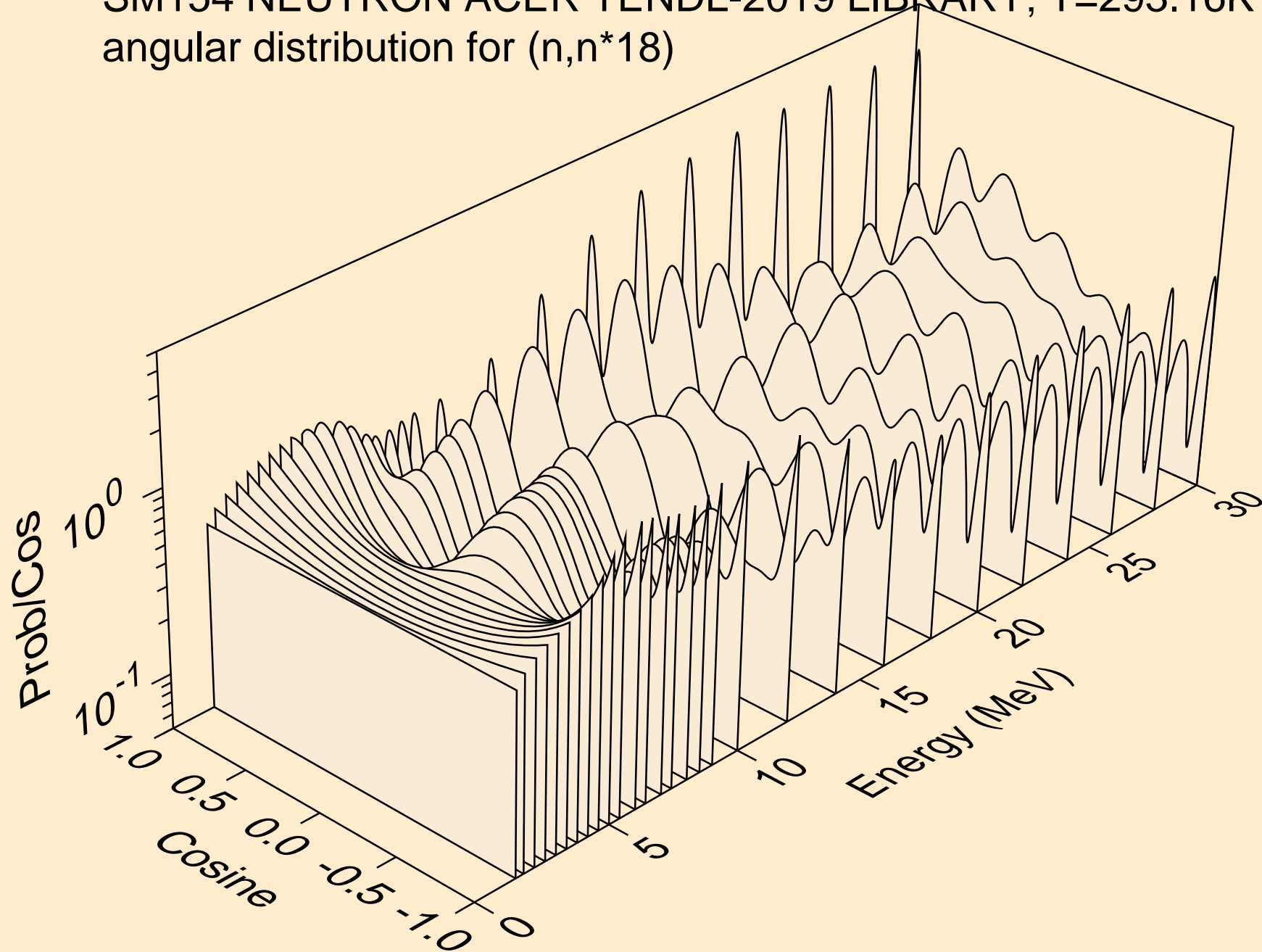
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angular distribution for (n,n*16)



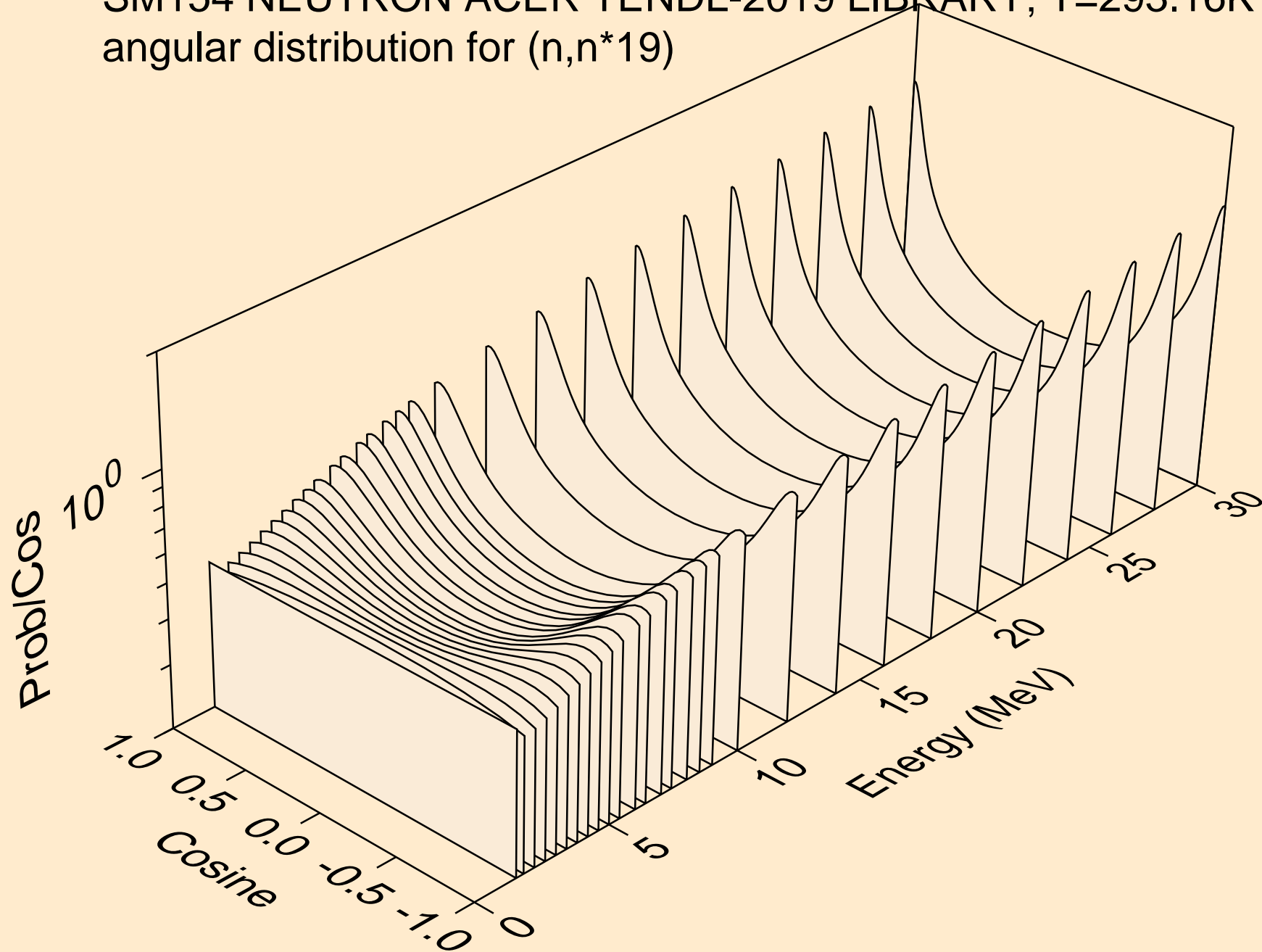
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angular distribution for (n,n*17)



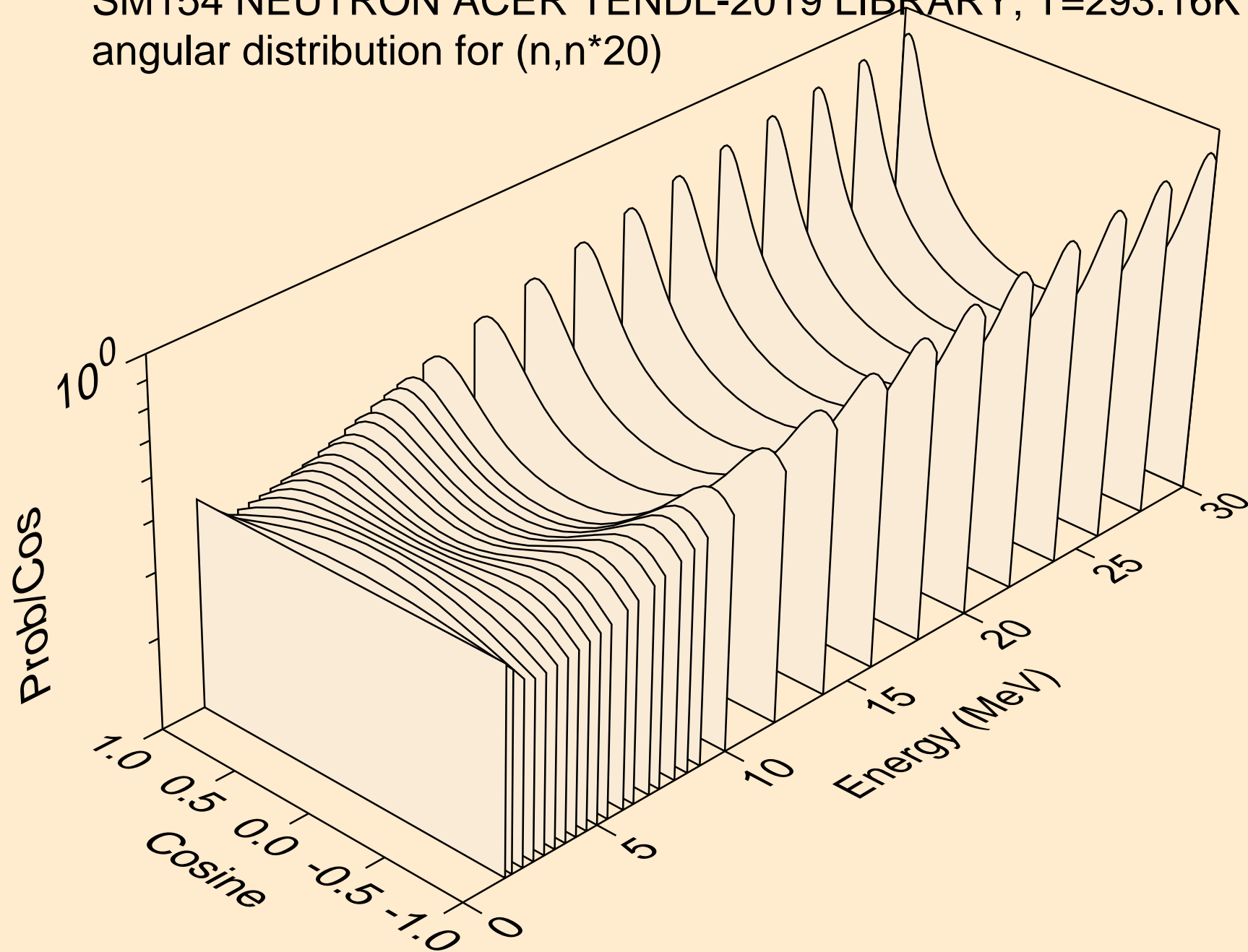
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angular distribution for (n,n*18)



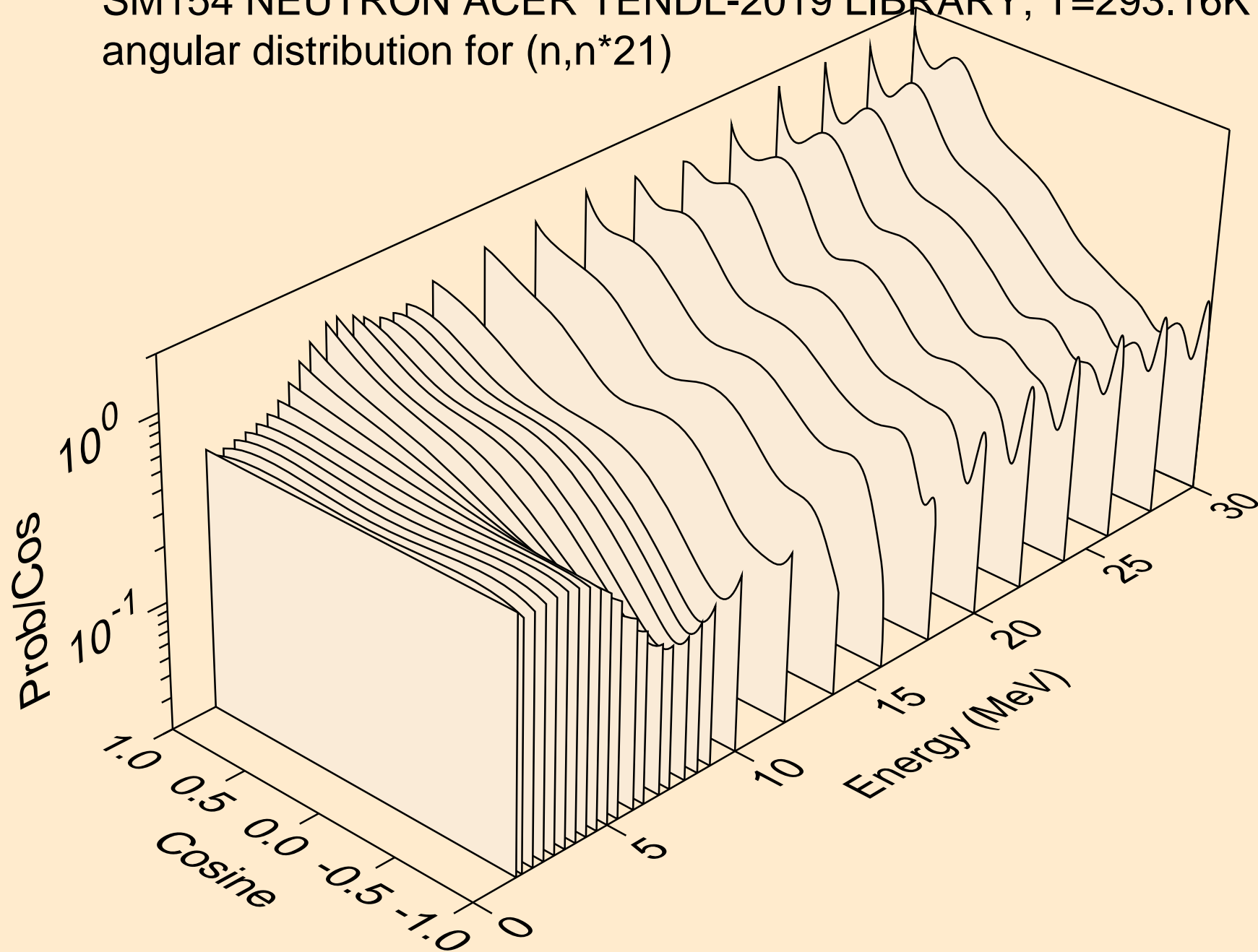
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angular distribution for (n,n*19)



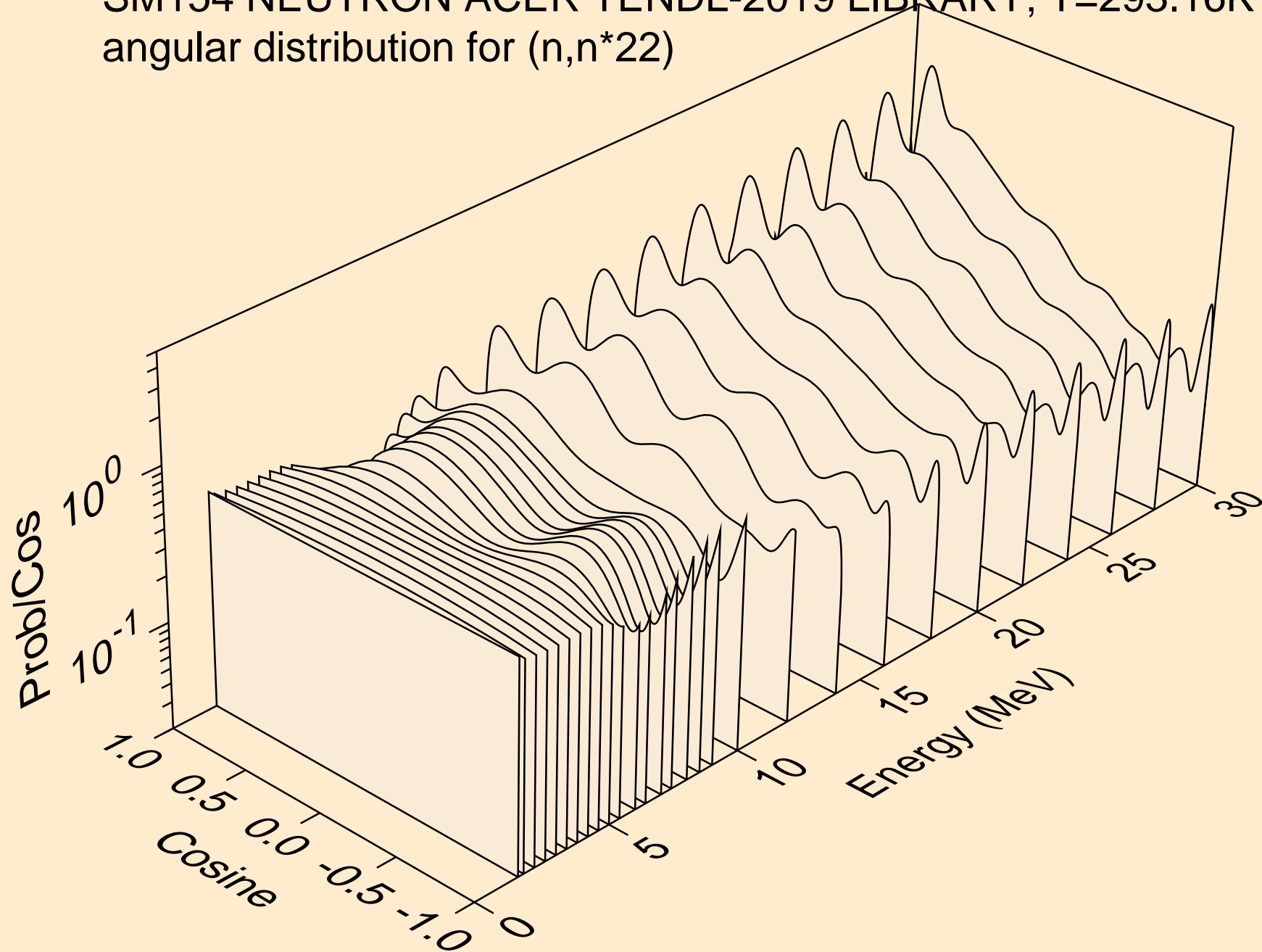
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angular distribution for (n,n*20)



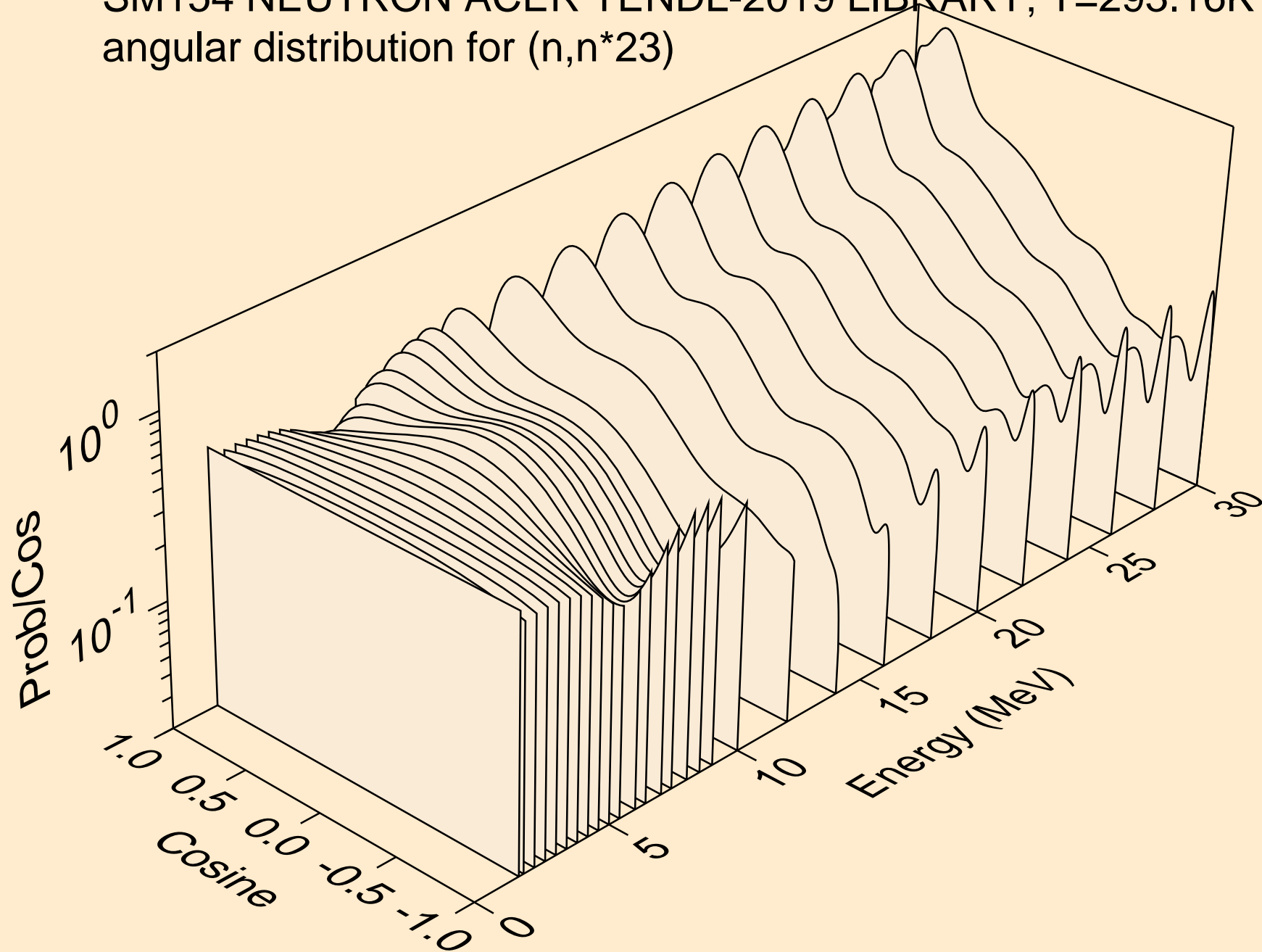
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angular distribution for (n,n*21)



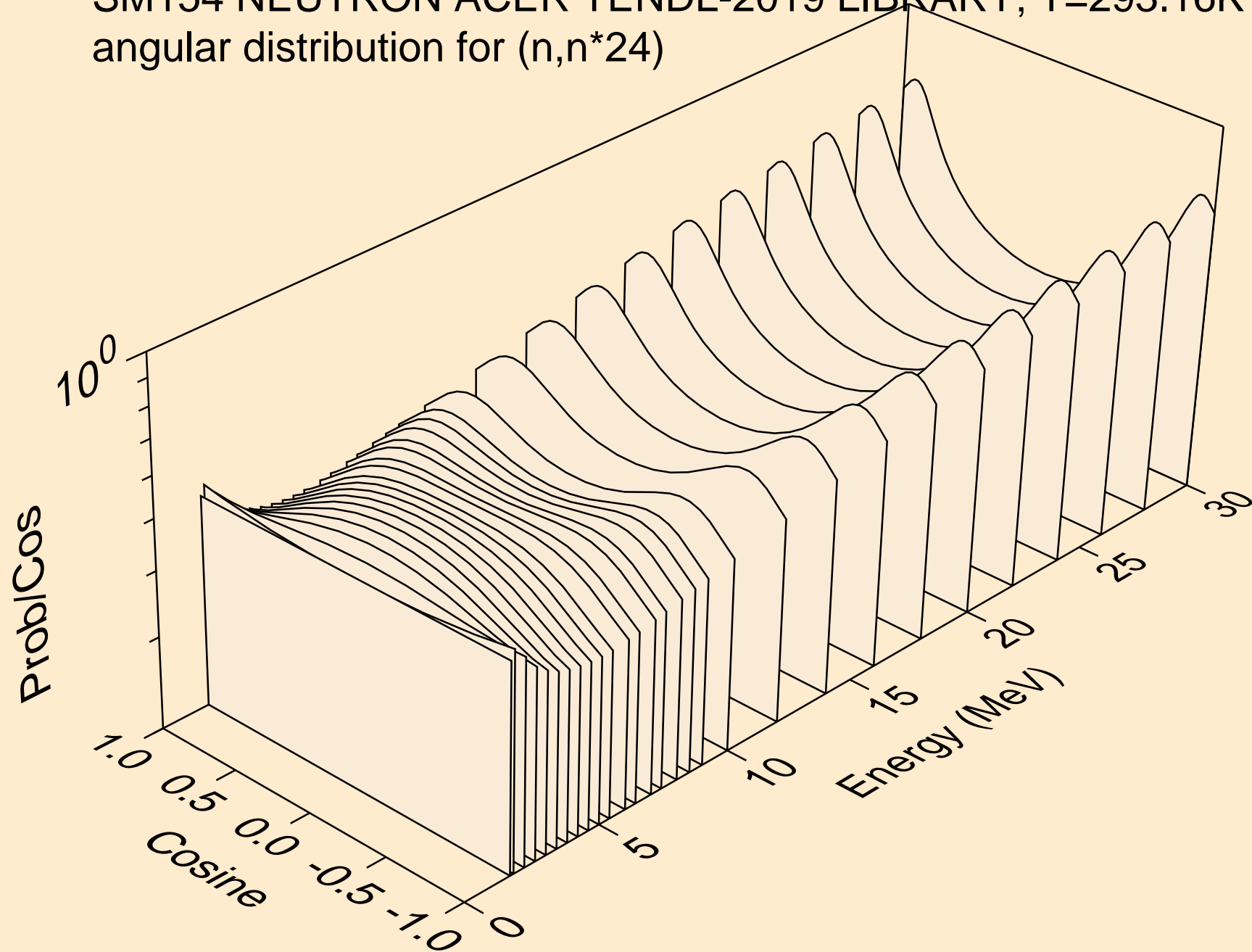
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angular distribution for (n,n*22)



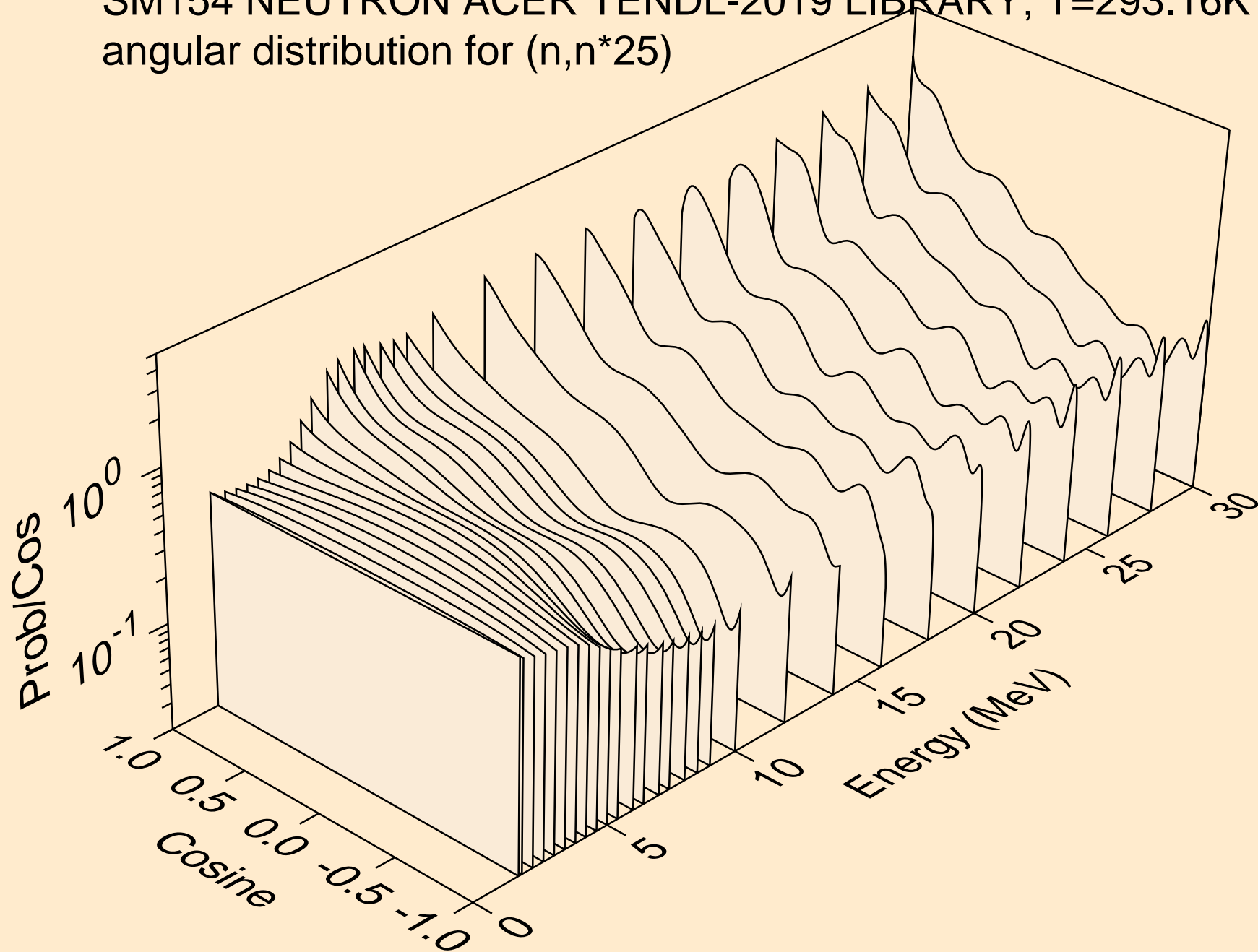
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angular distribution for (n,n*23)



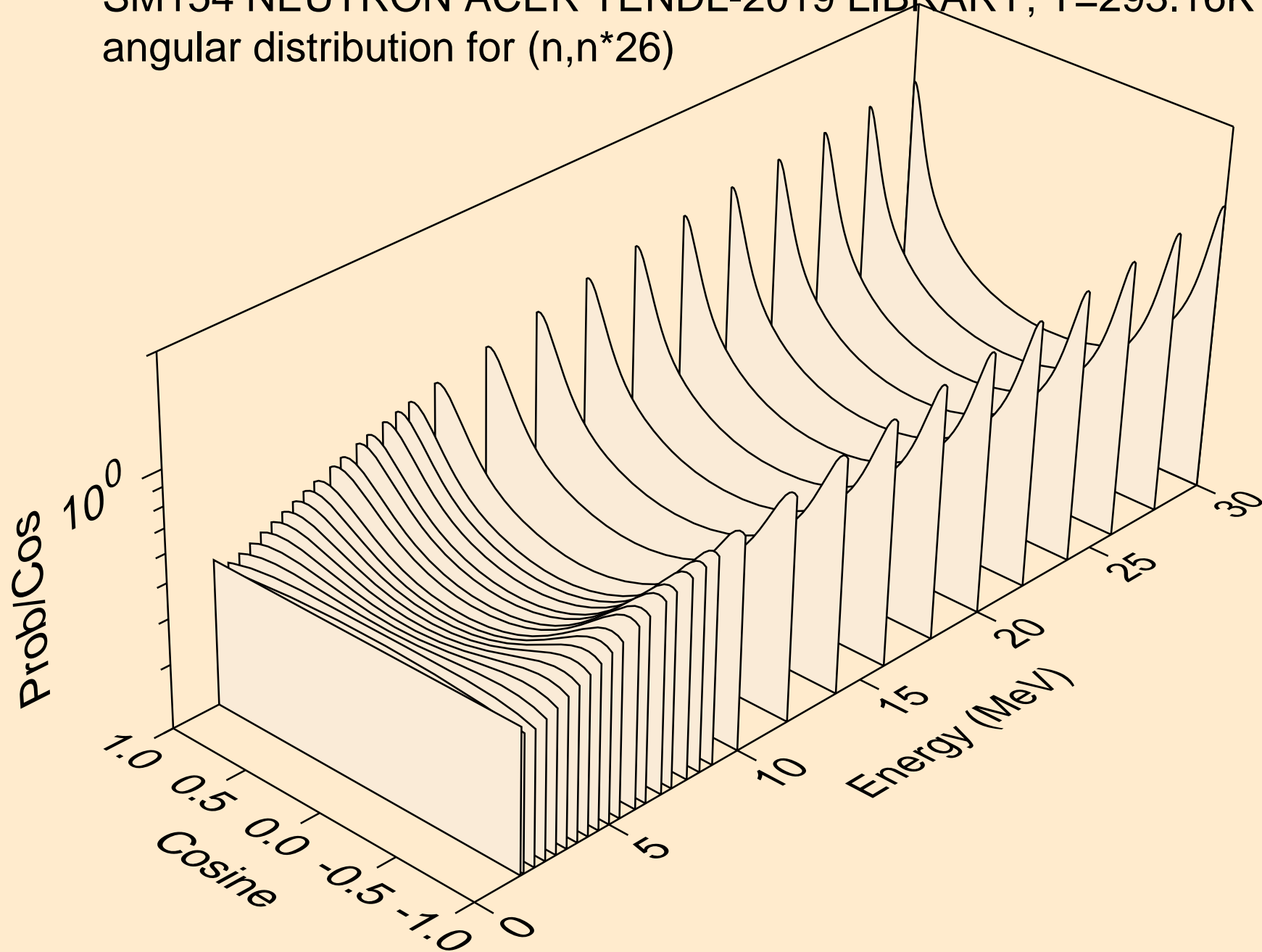
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angular distribution for (n,n*24)



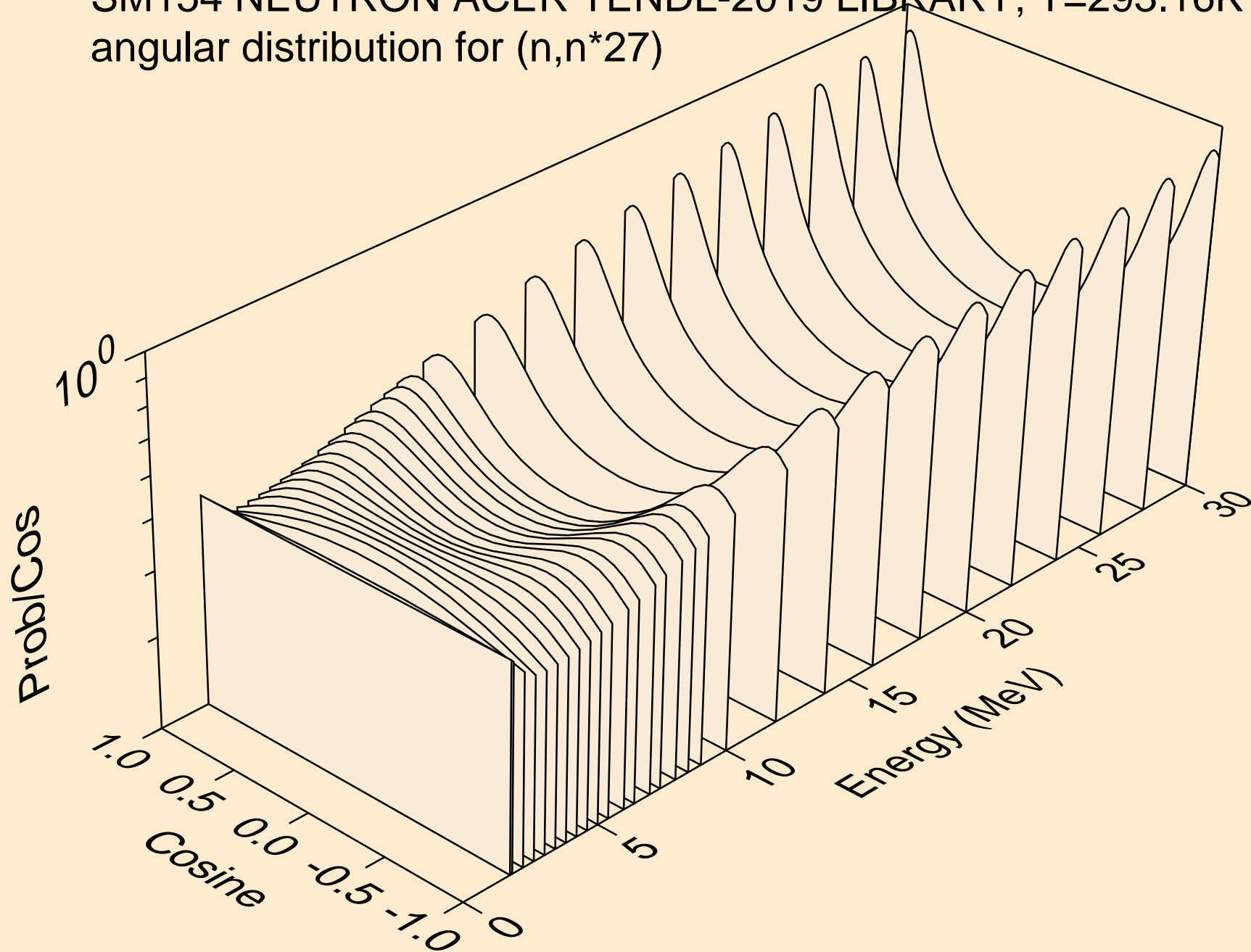
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



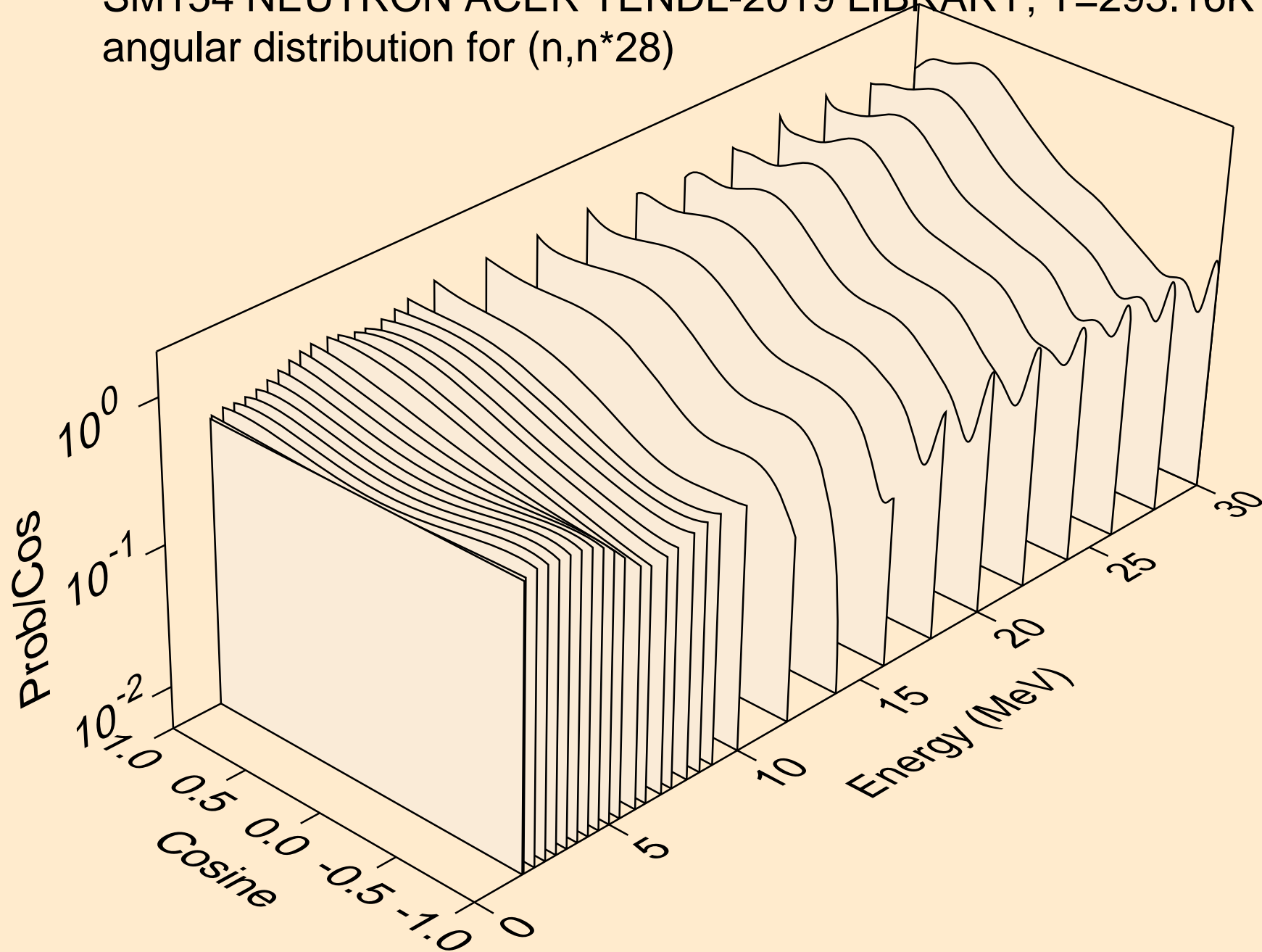
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



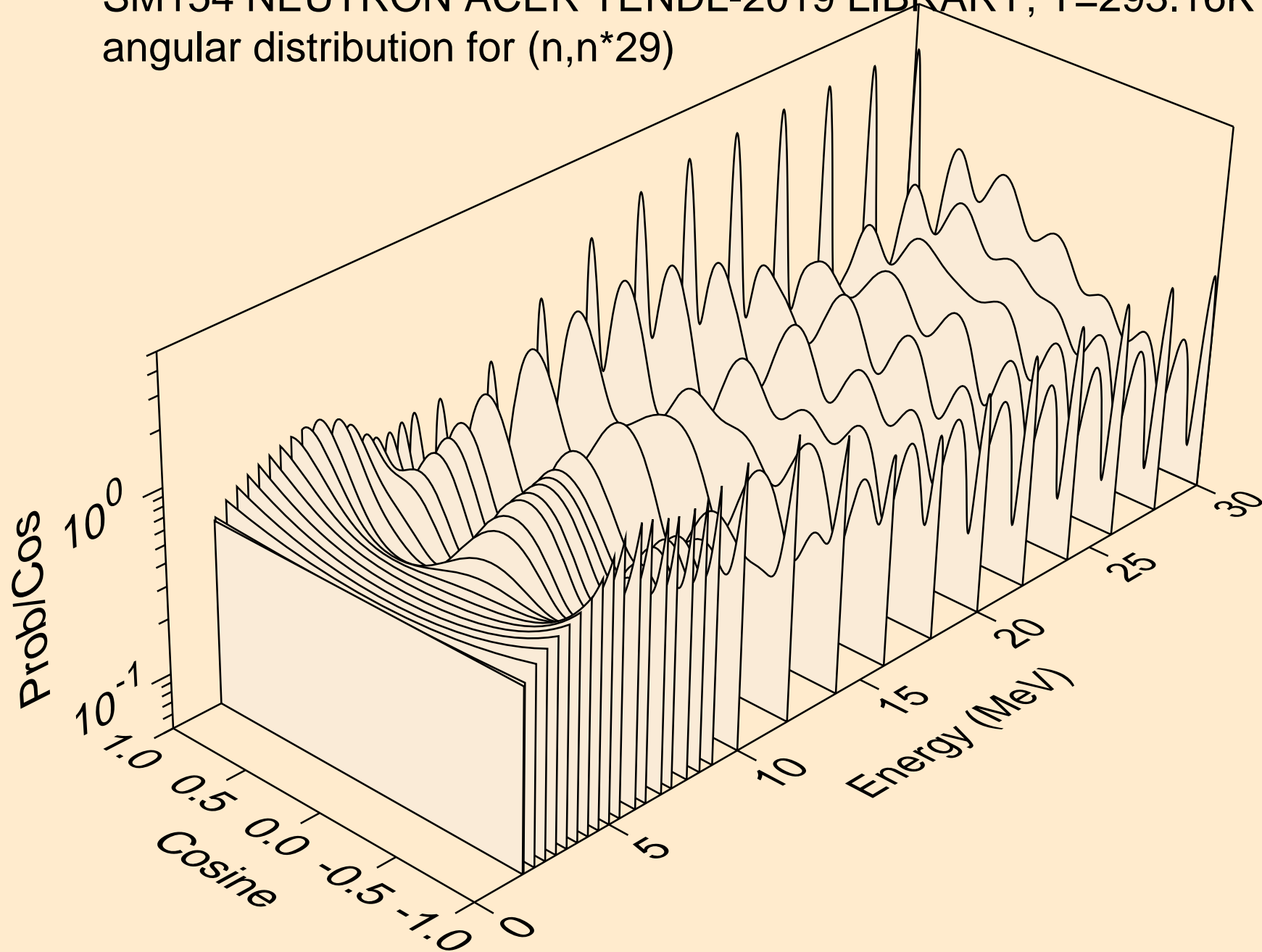
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



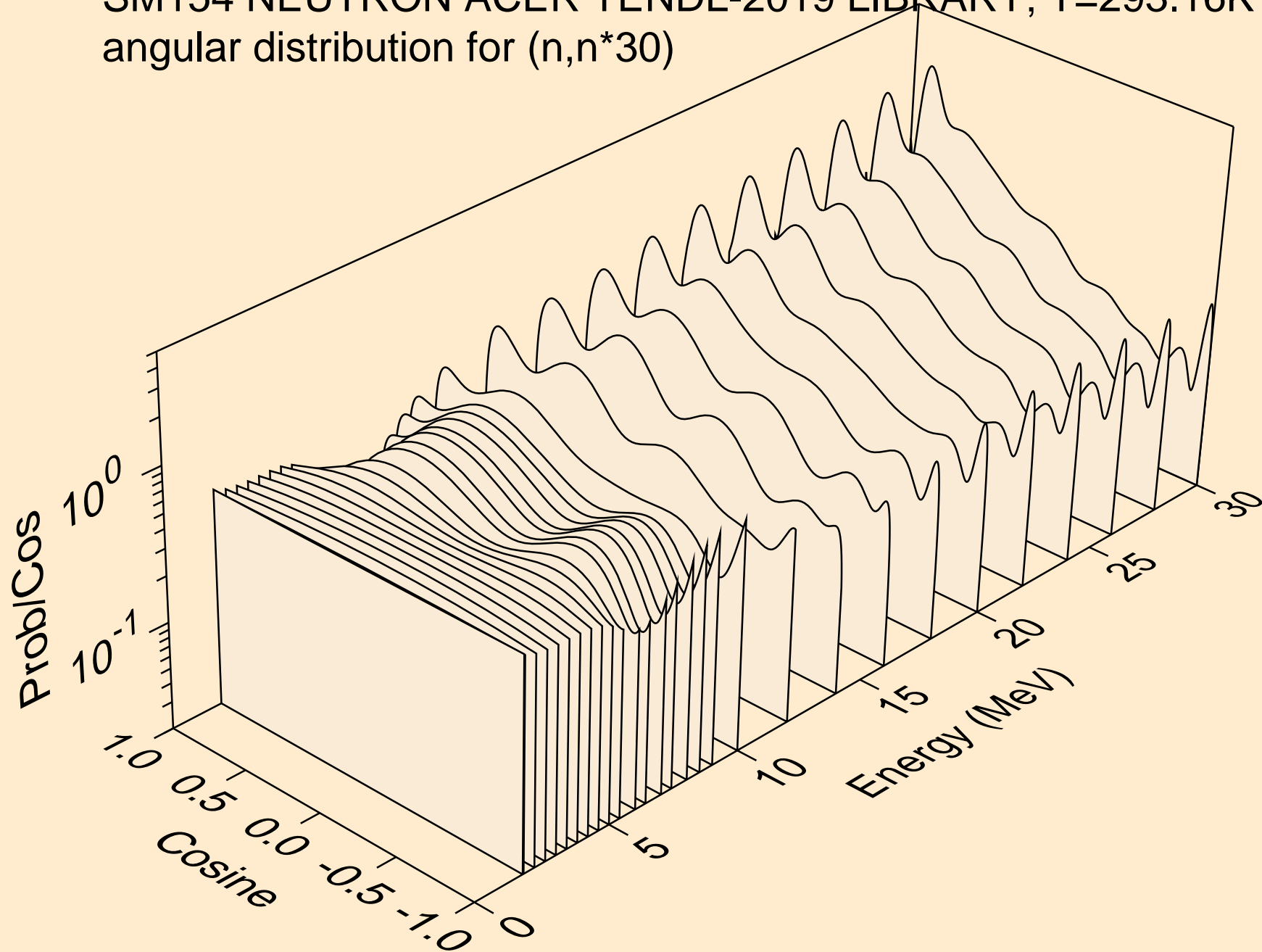
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



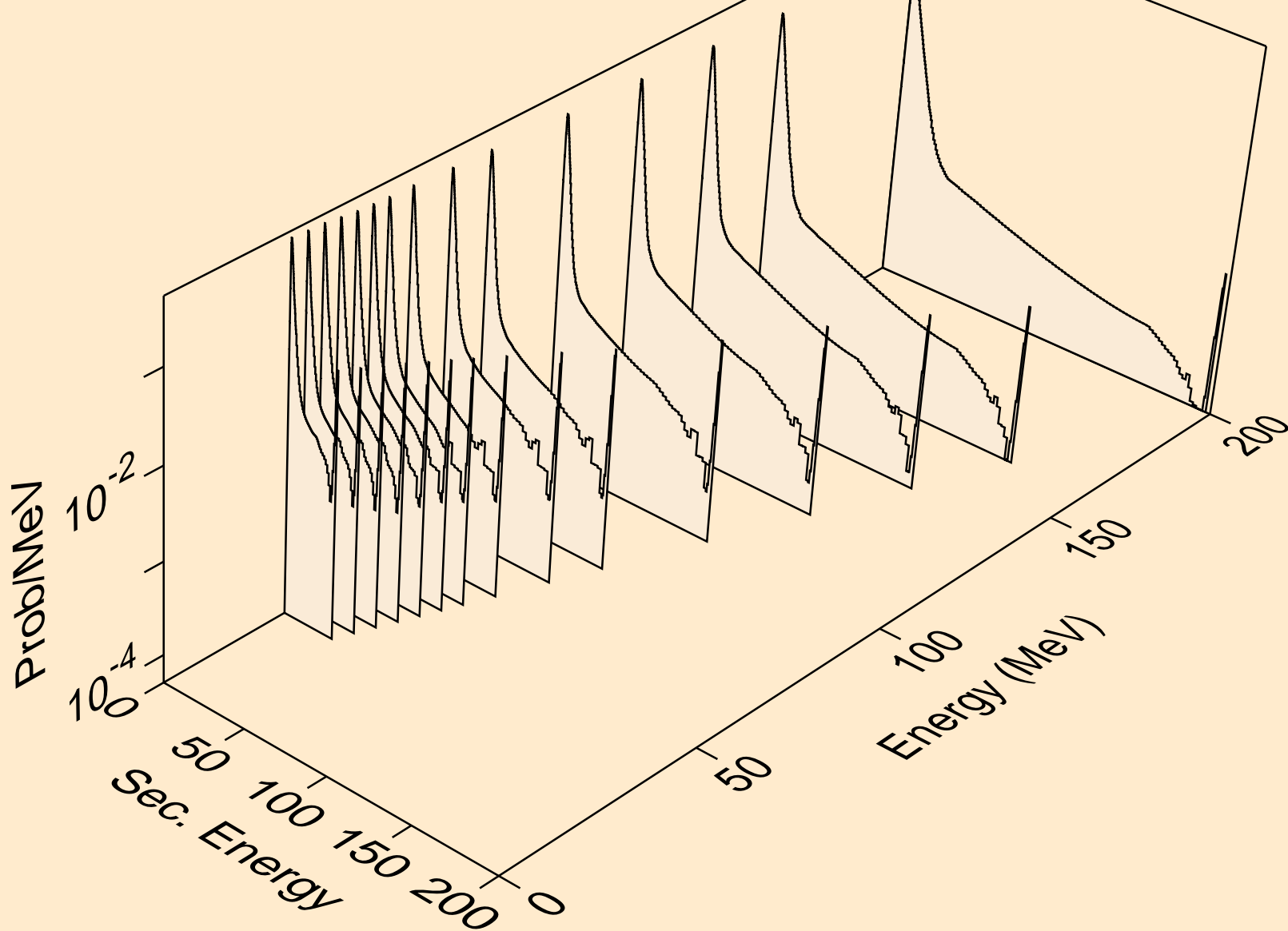
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



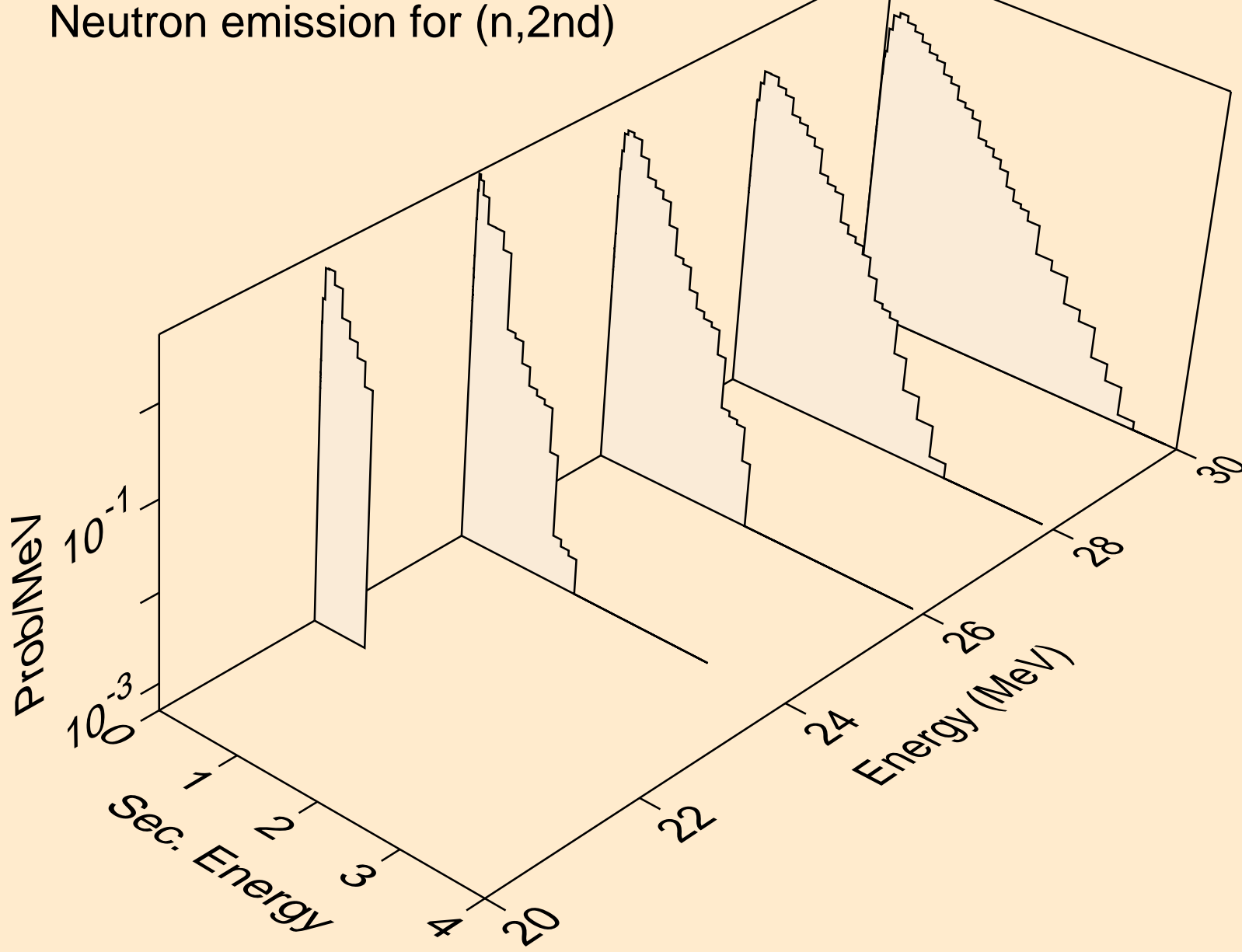
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angular distribution for (n,n*30)



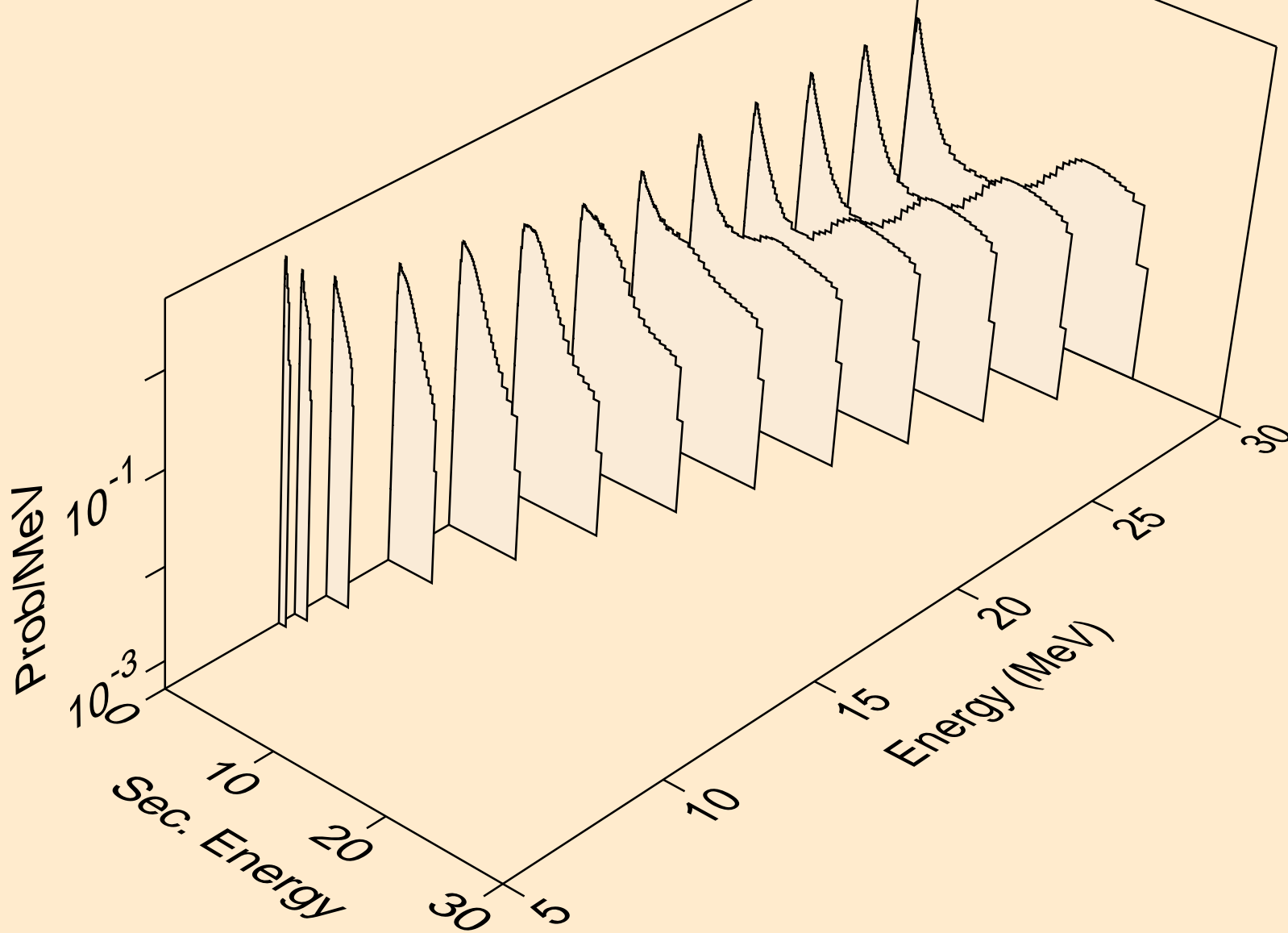
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



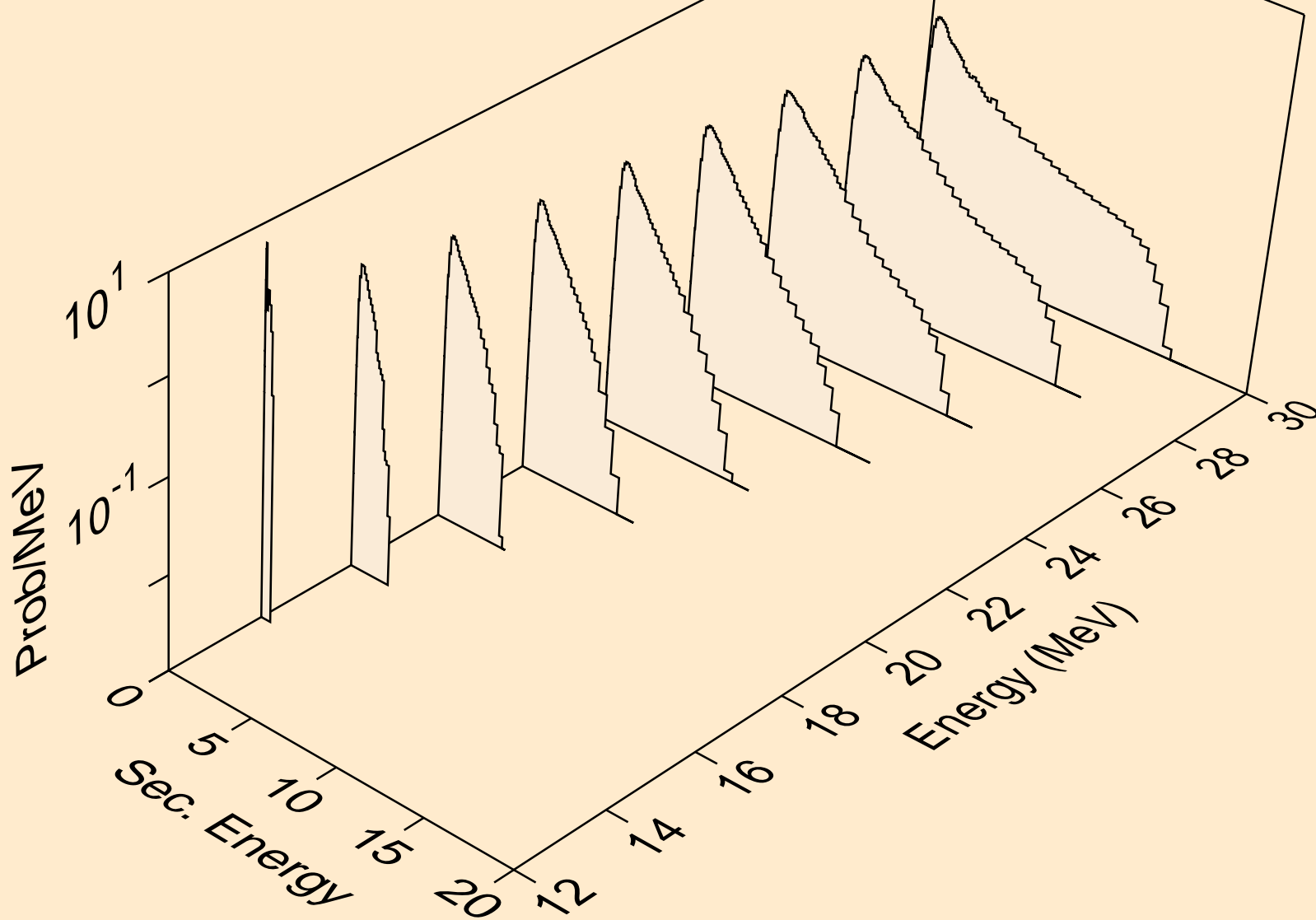
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



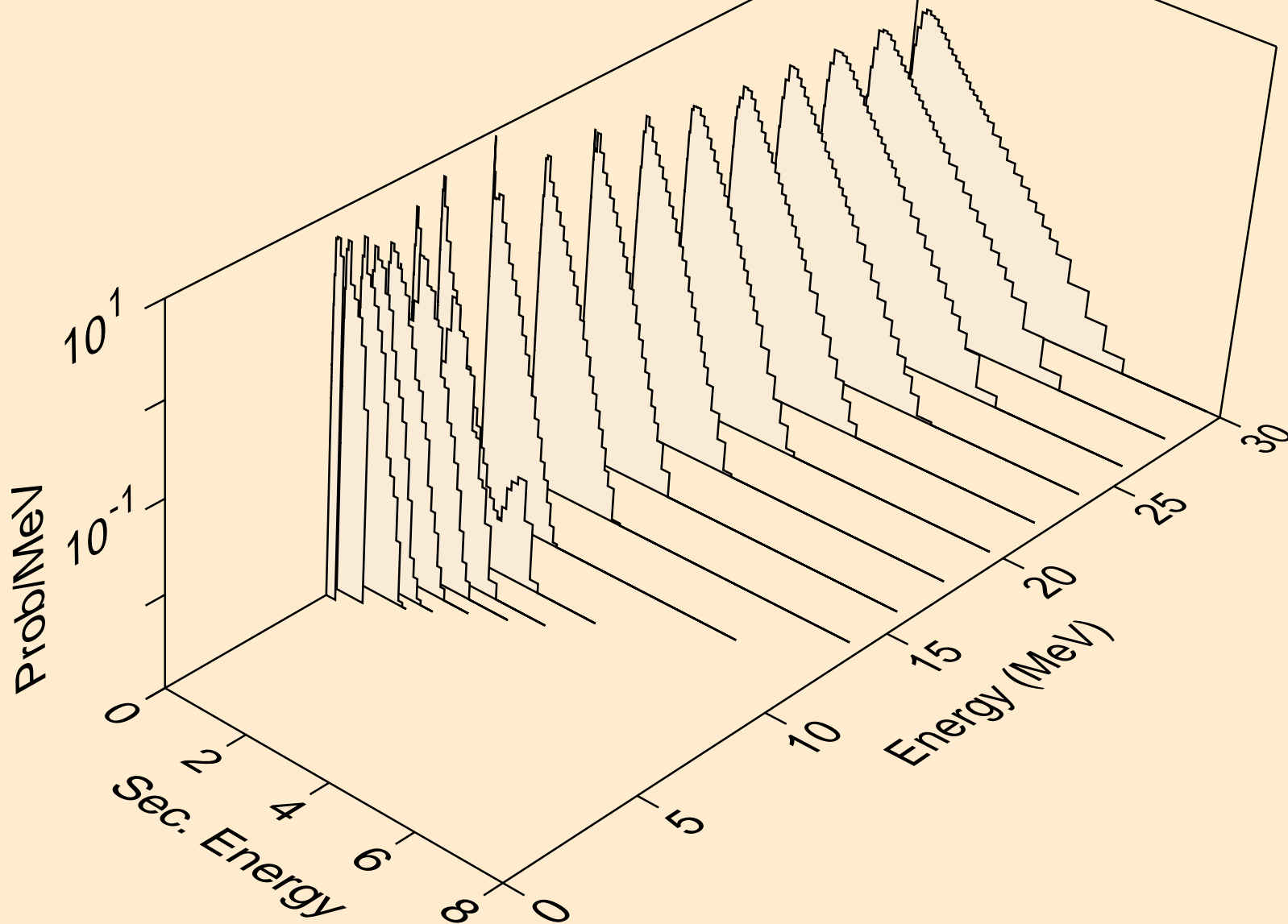
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



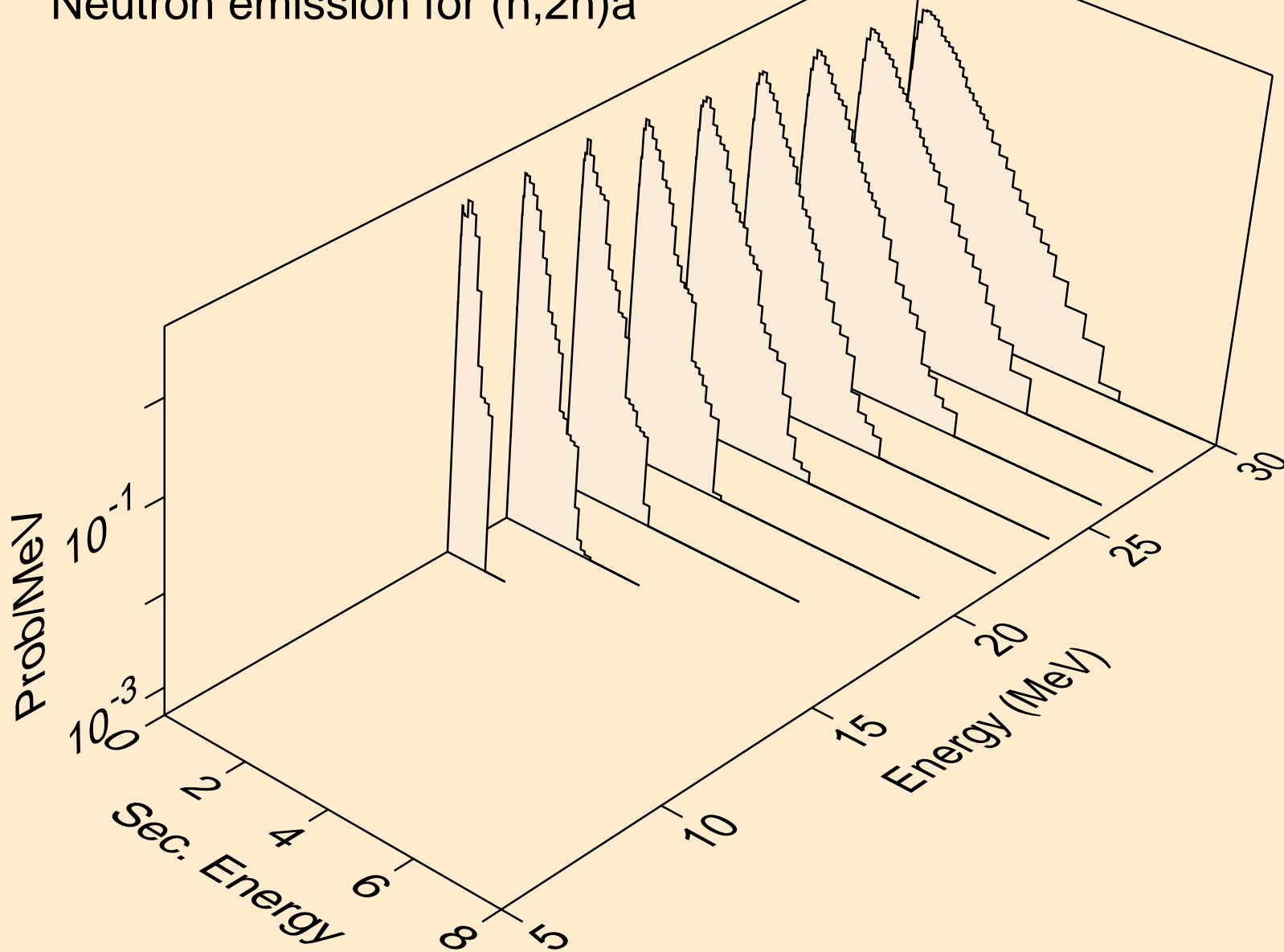
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



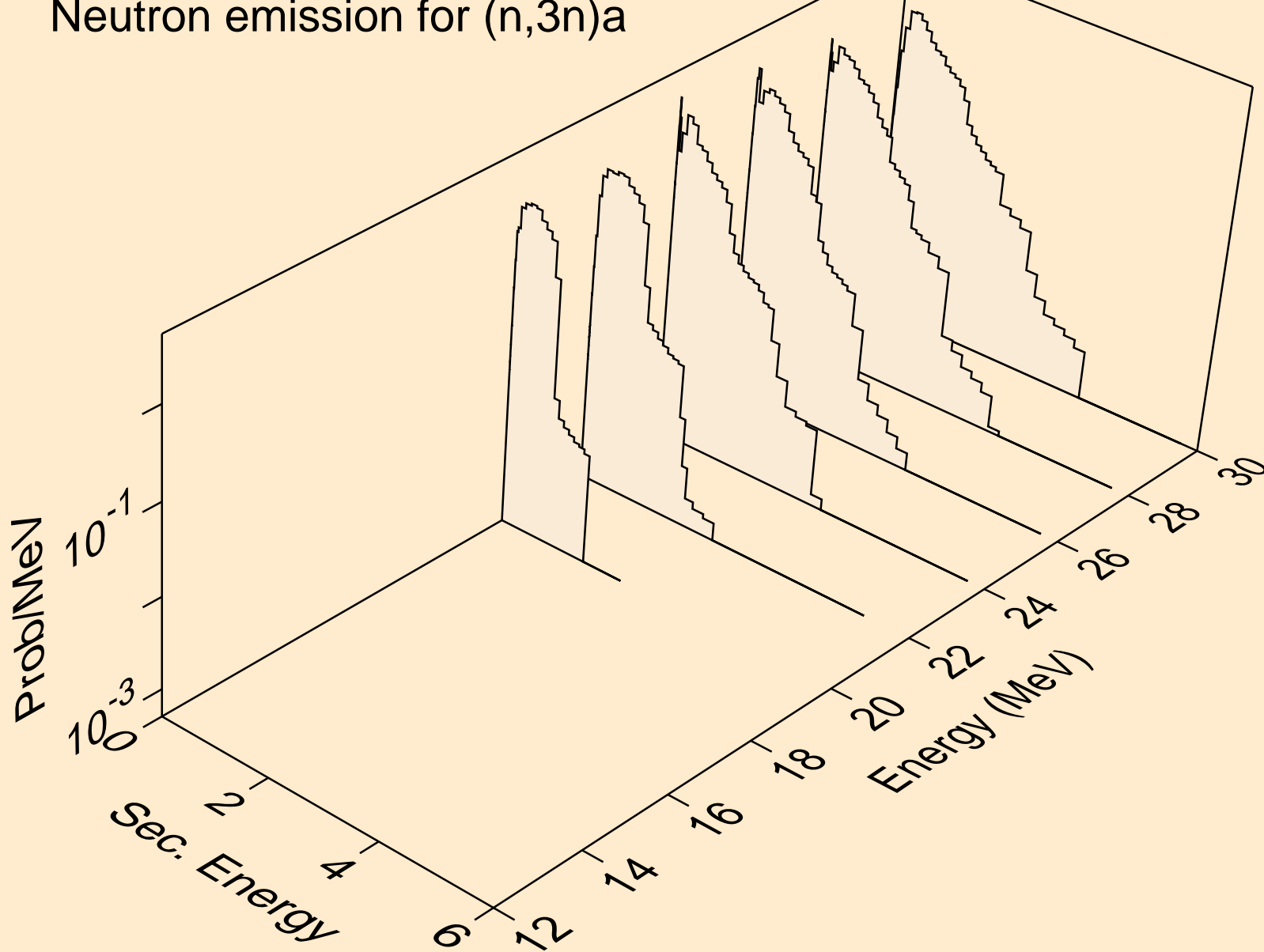
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



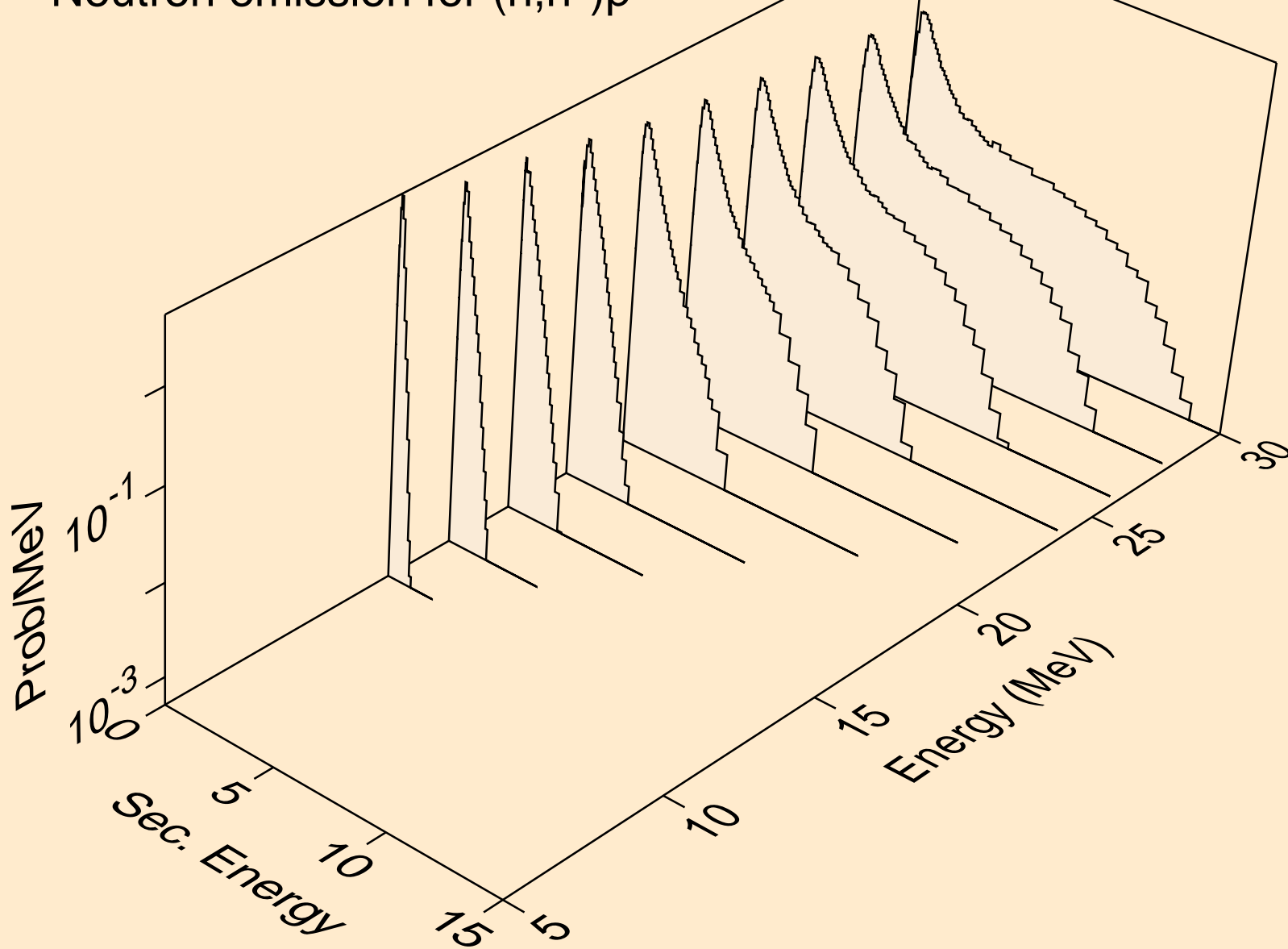
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



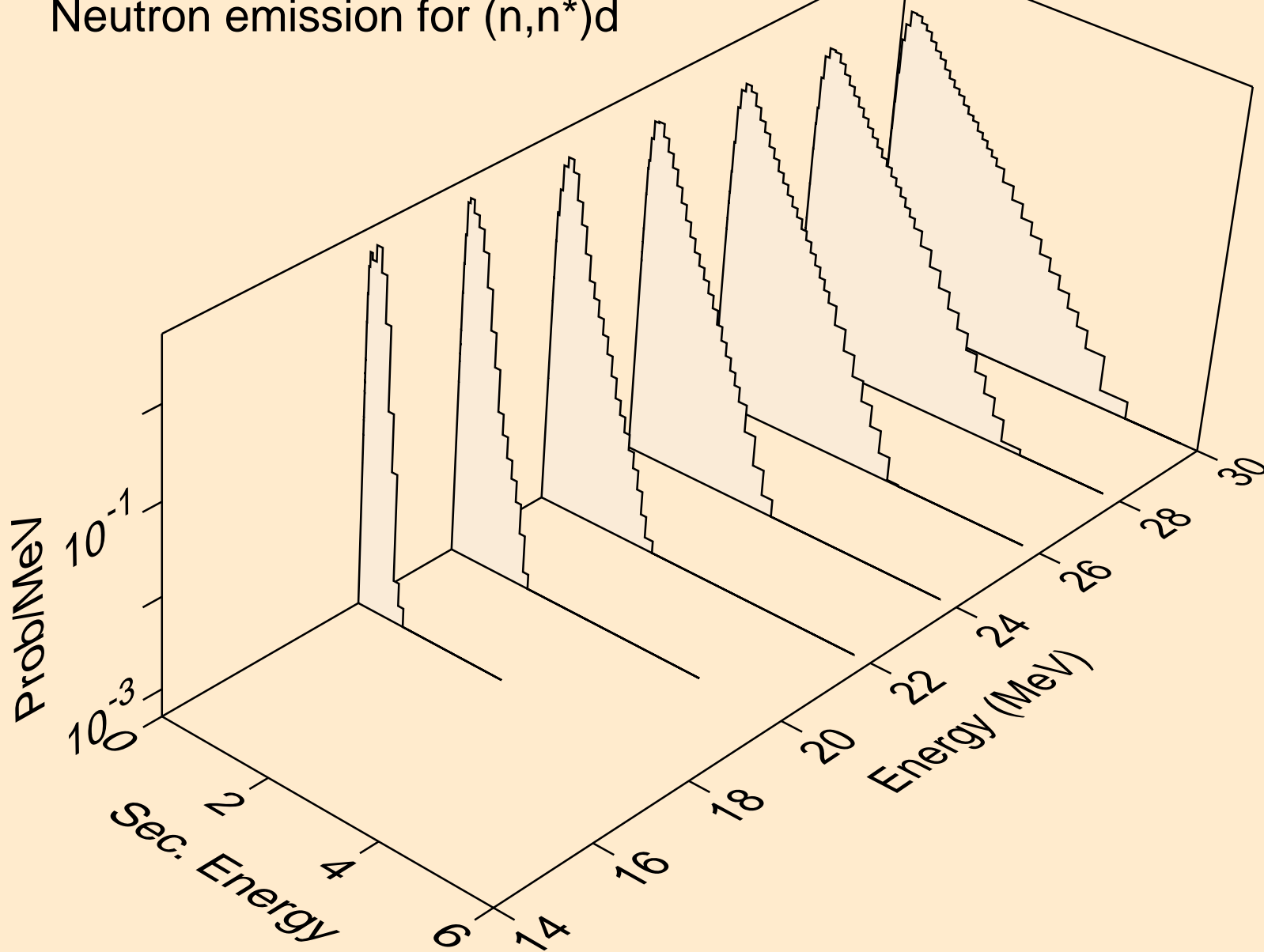
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



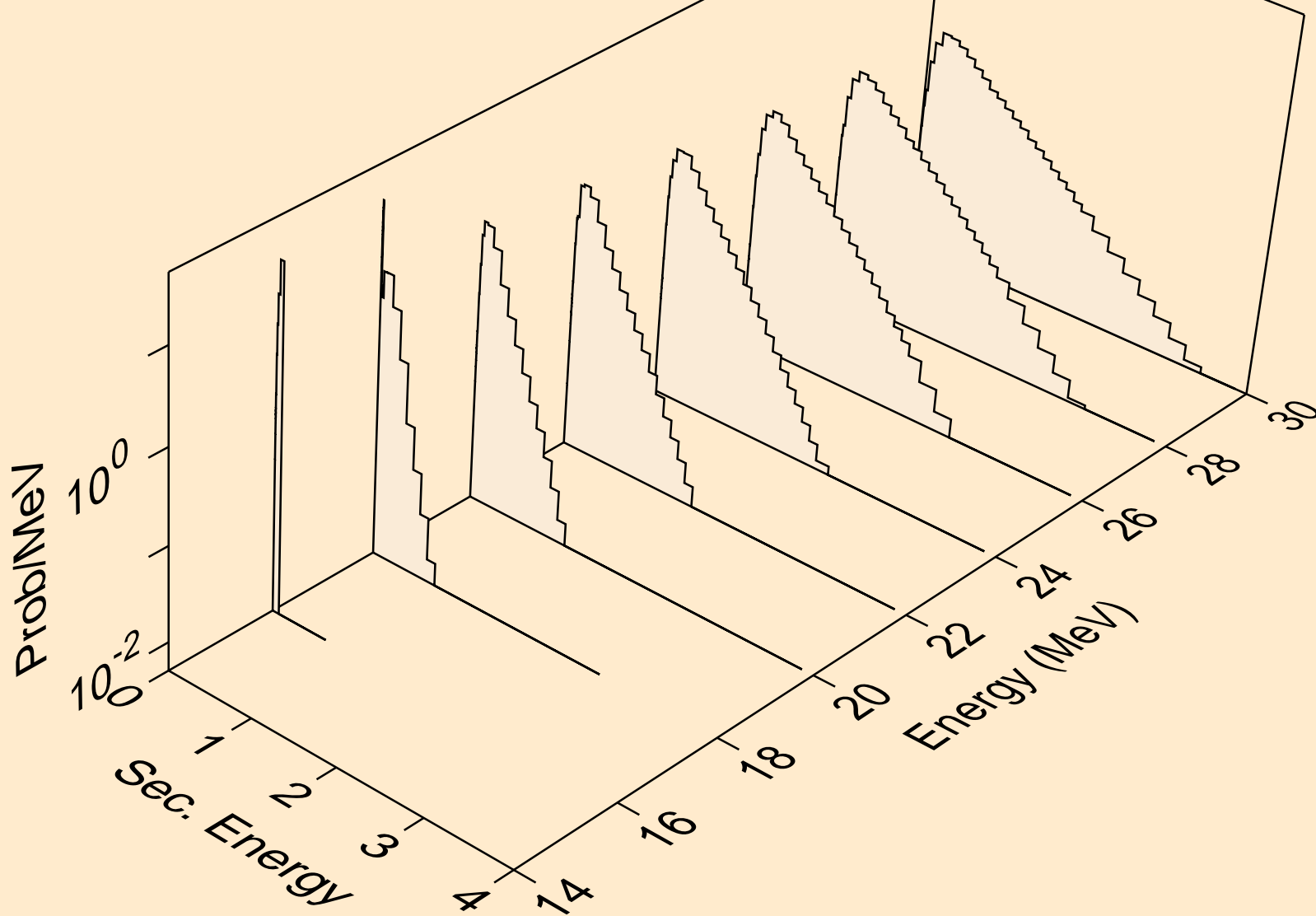
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



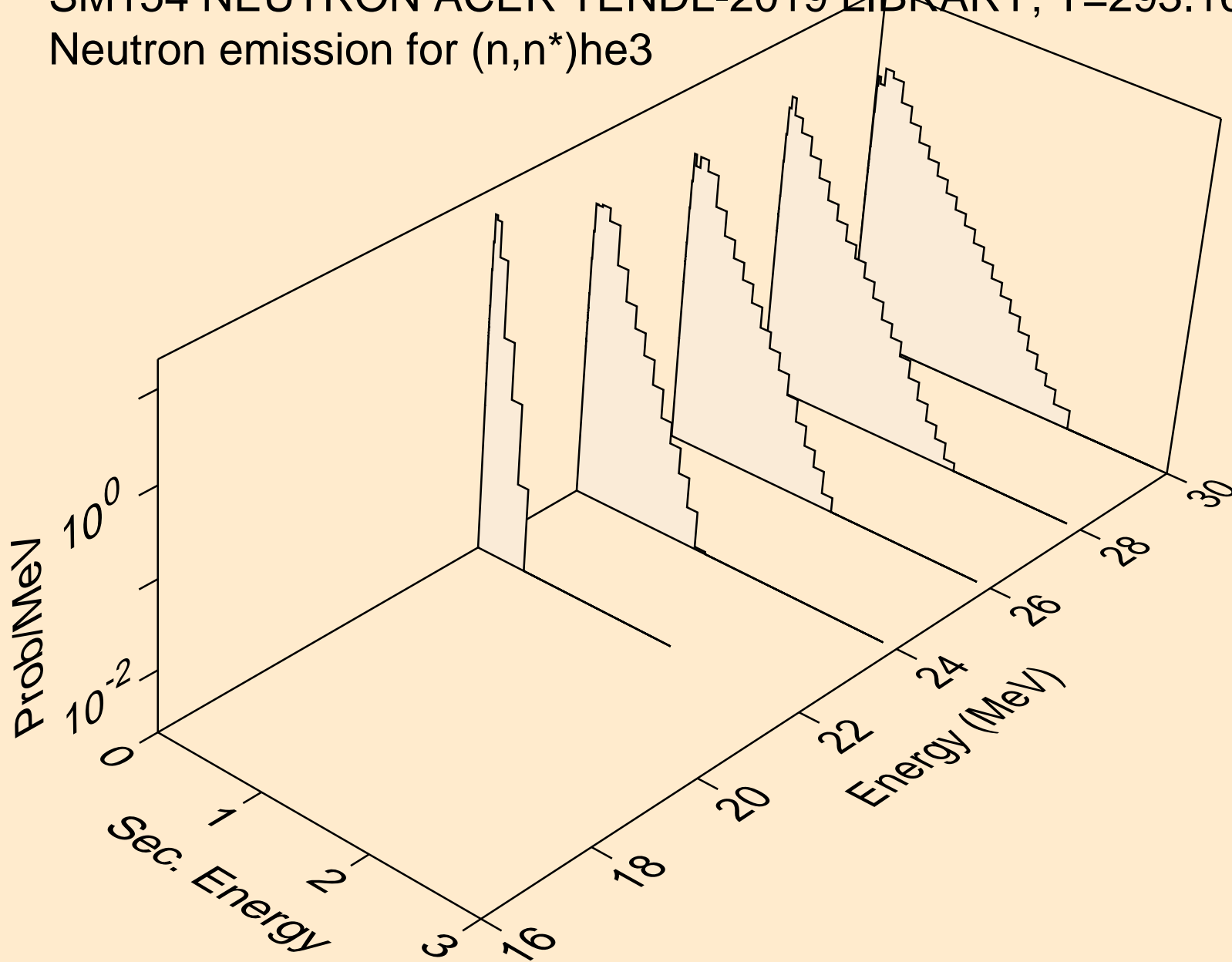
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



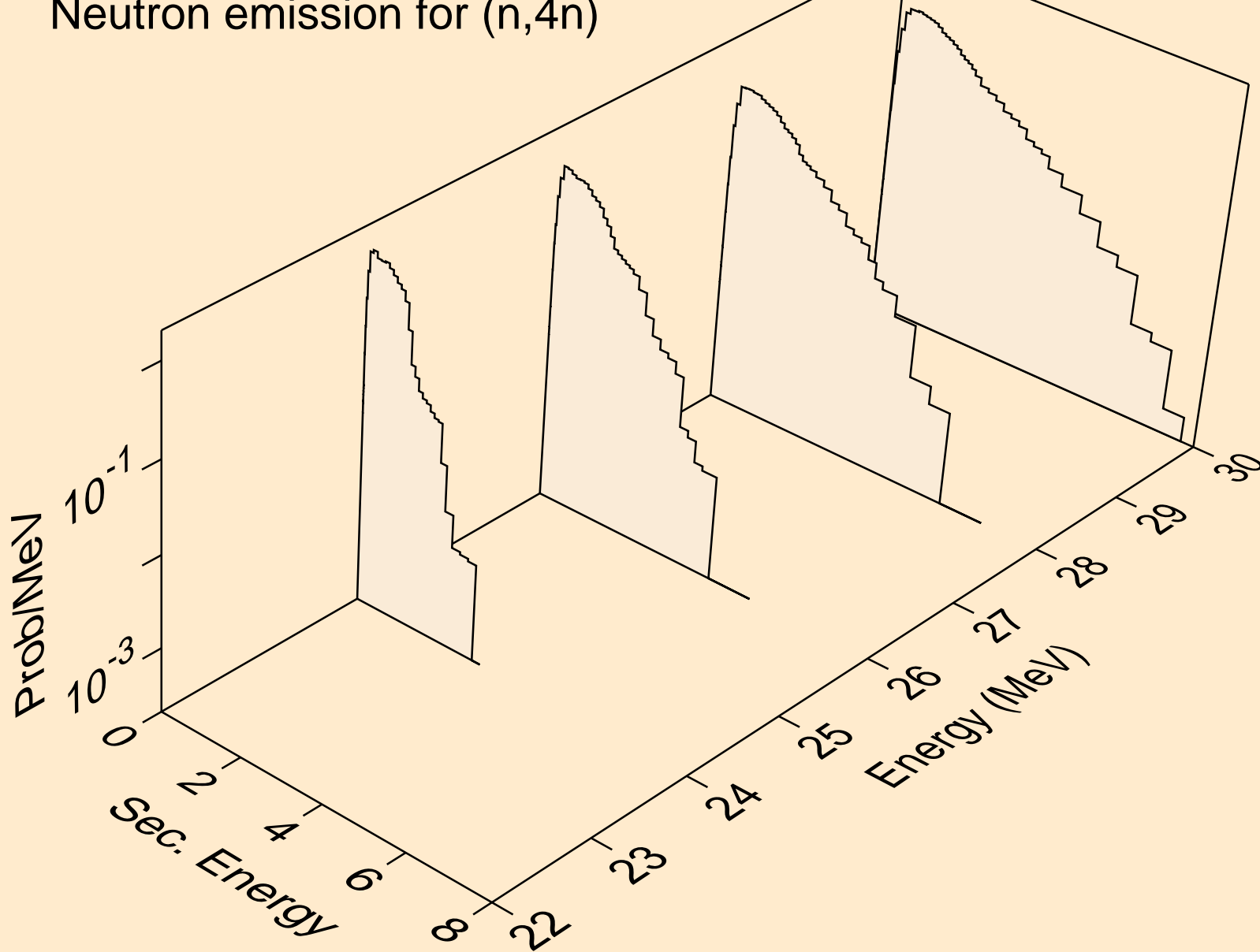
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



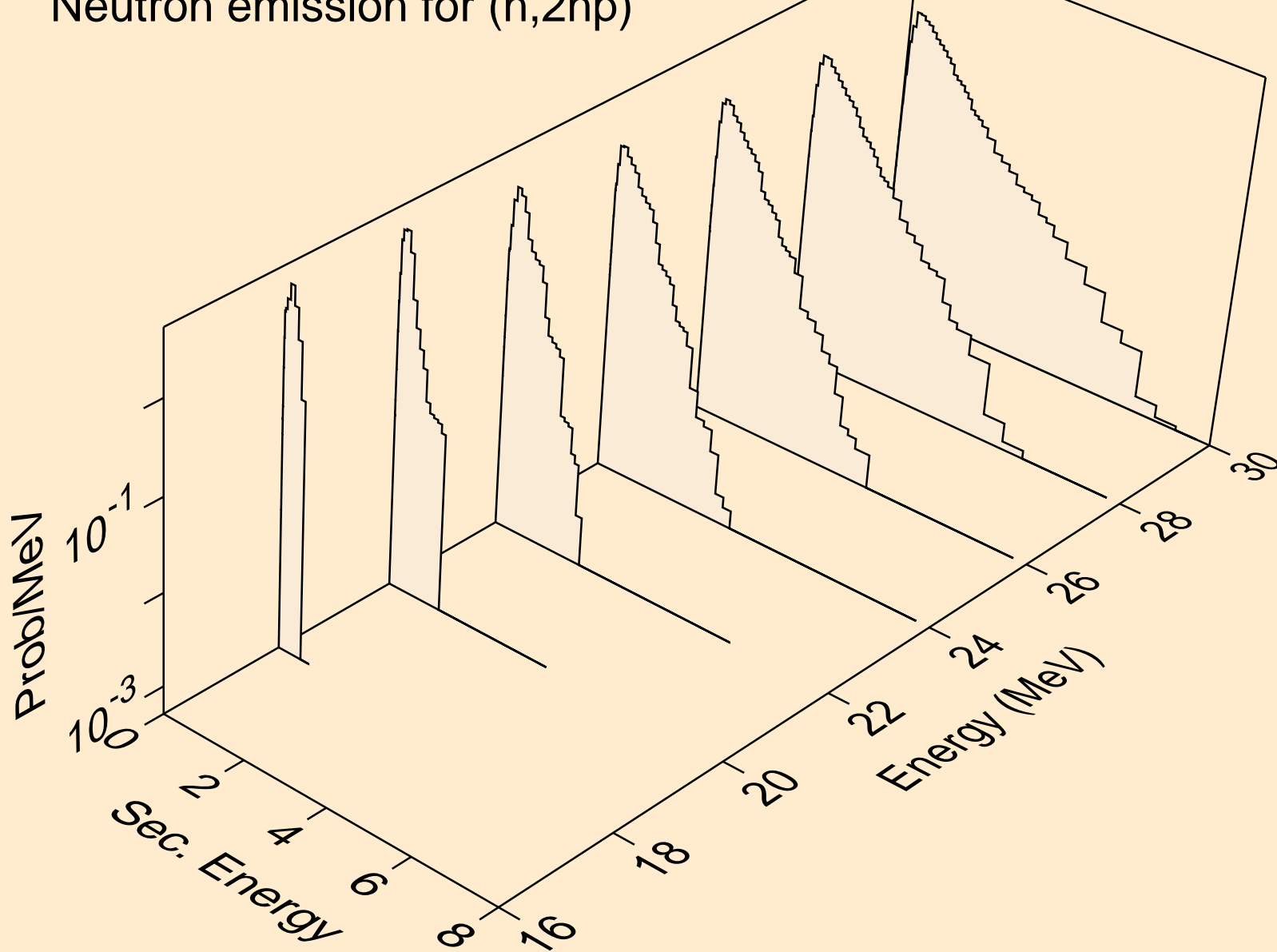
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



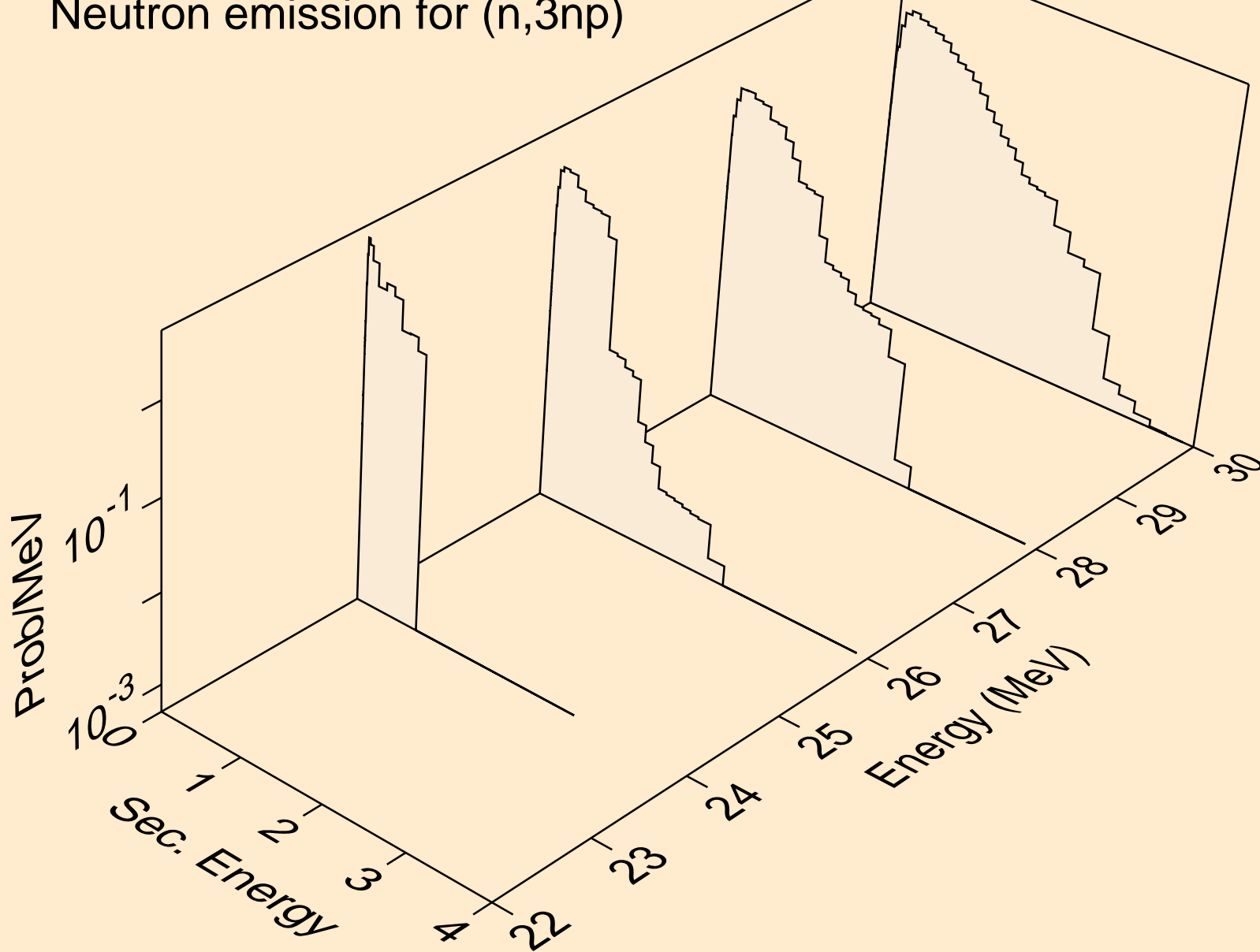
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



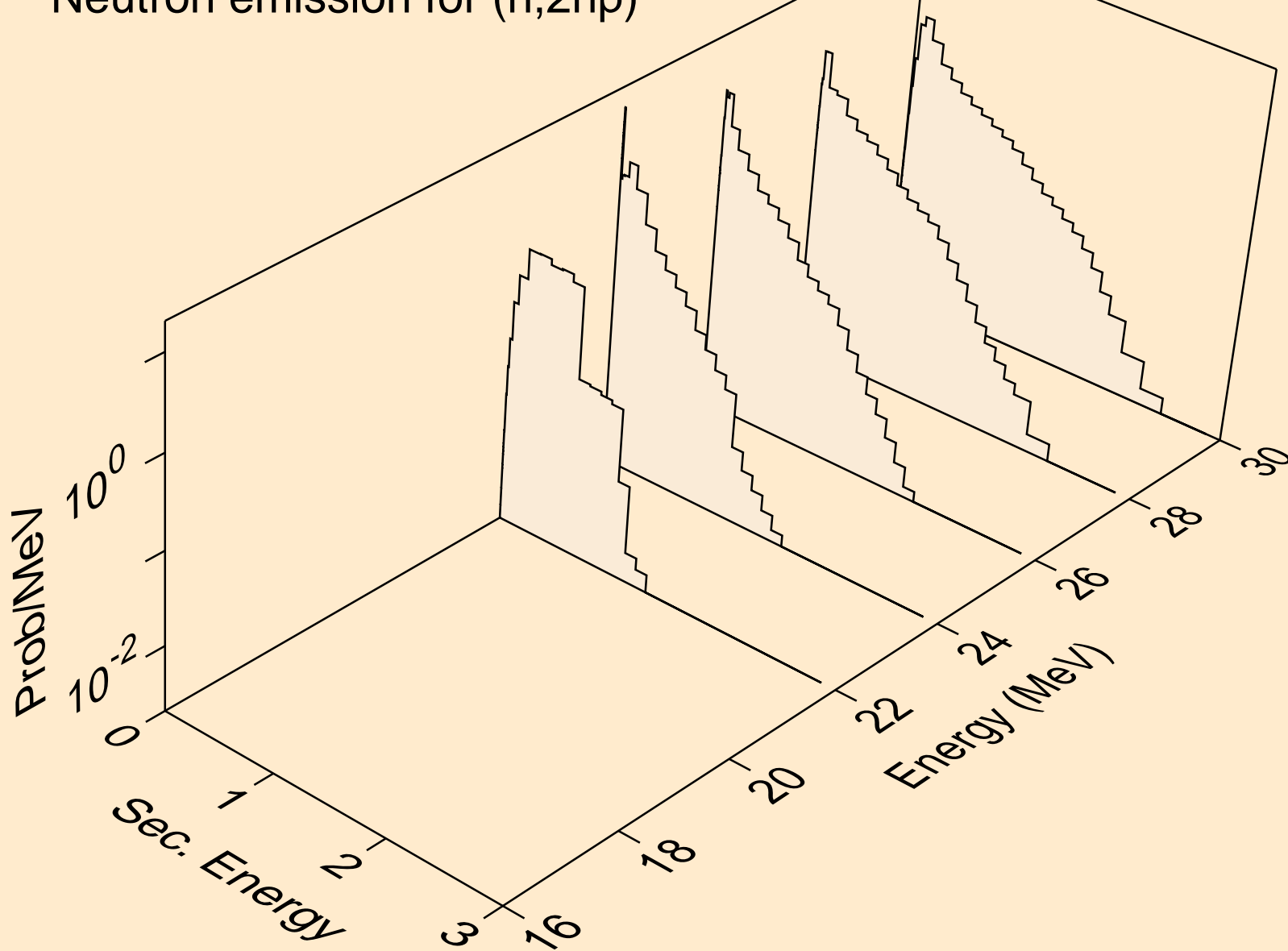
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



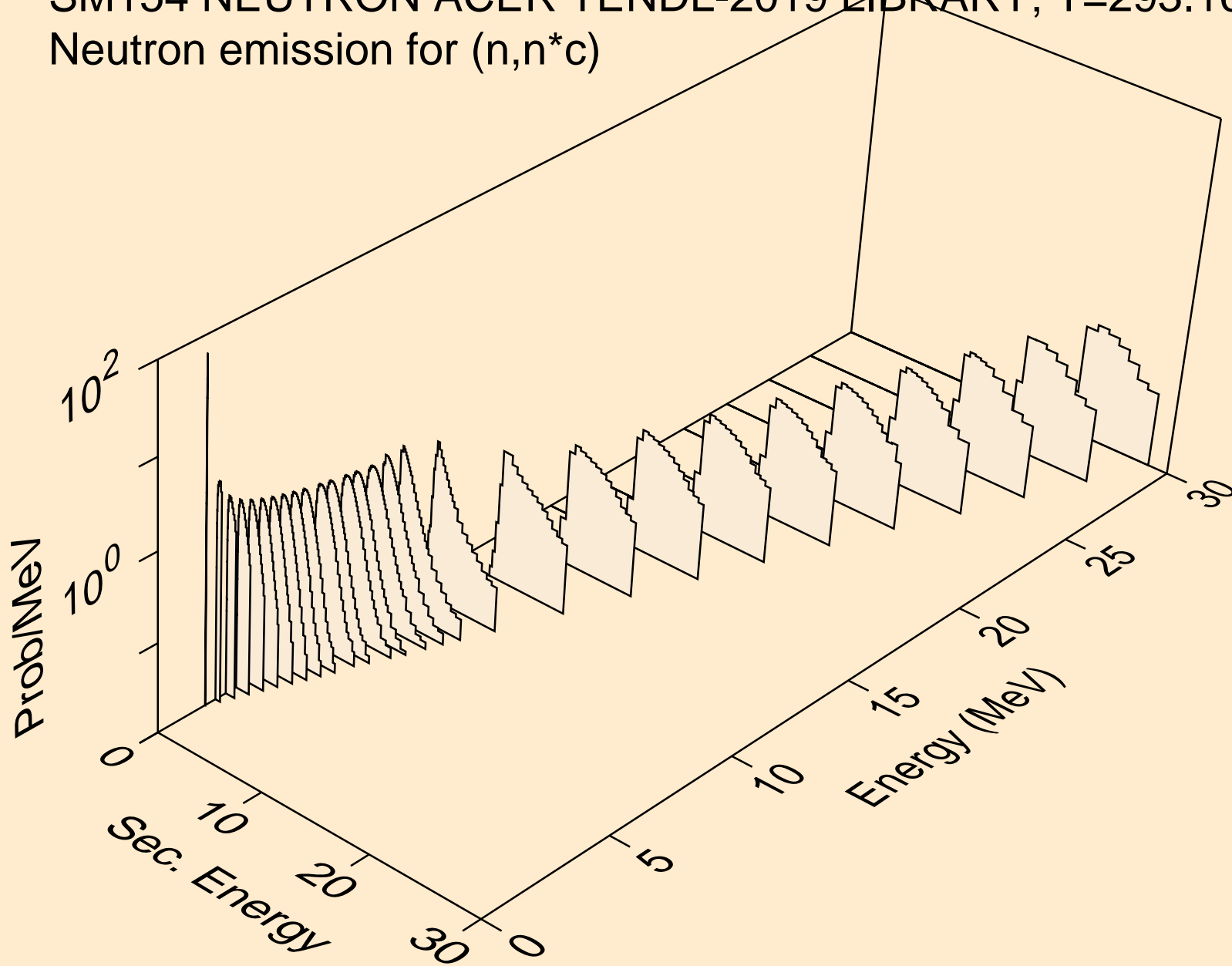
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



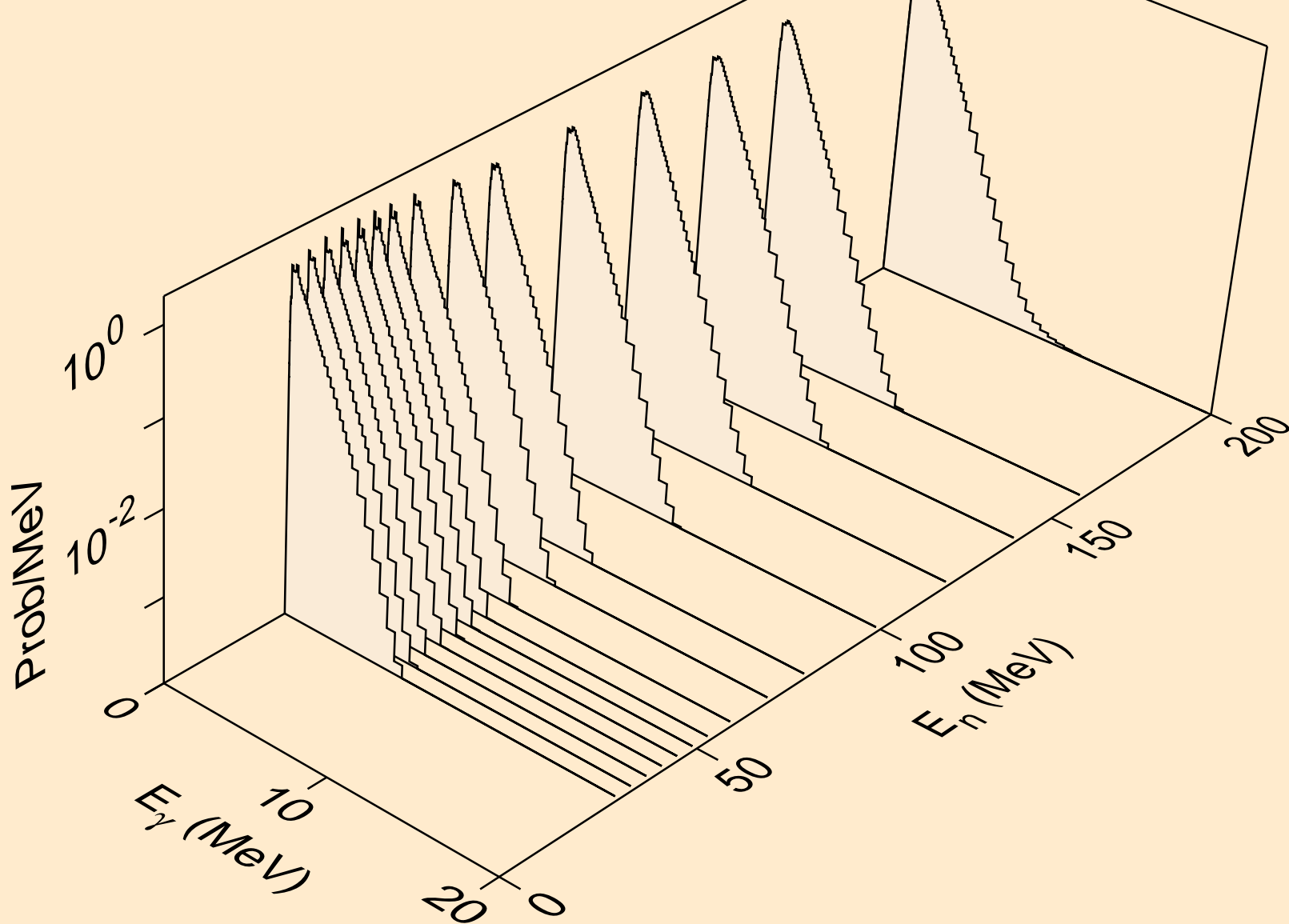
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



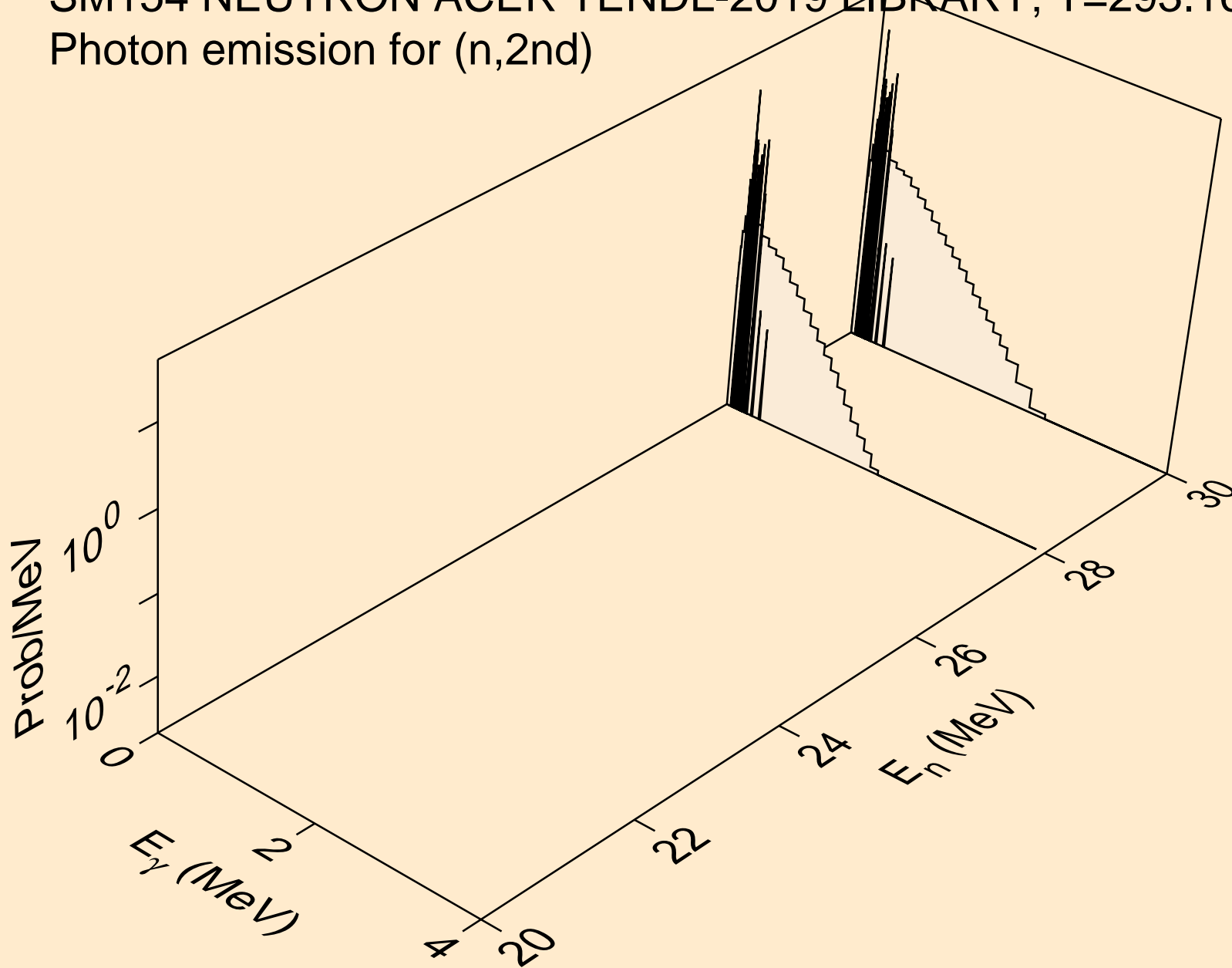
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



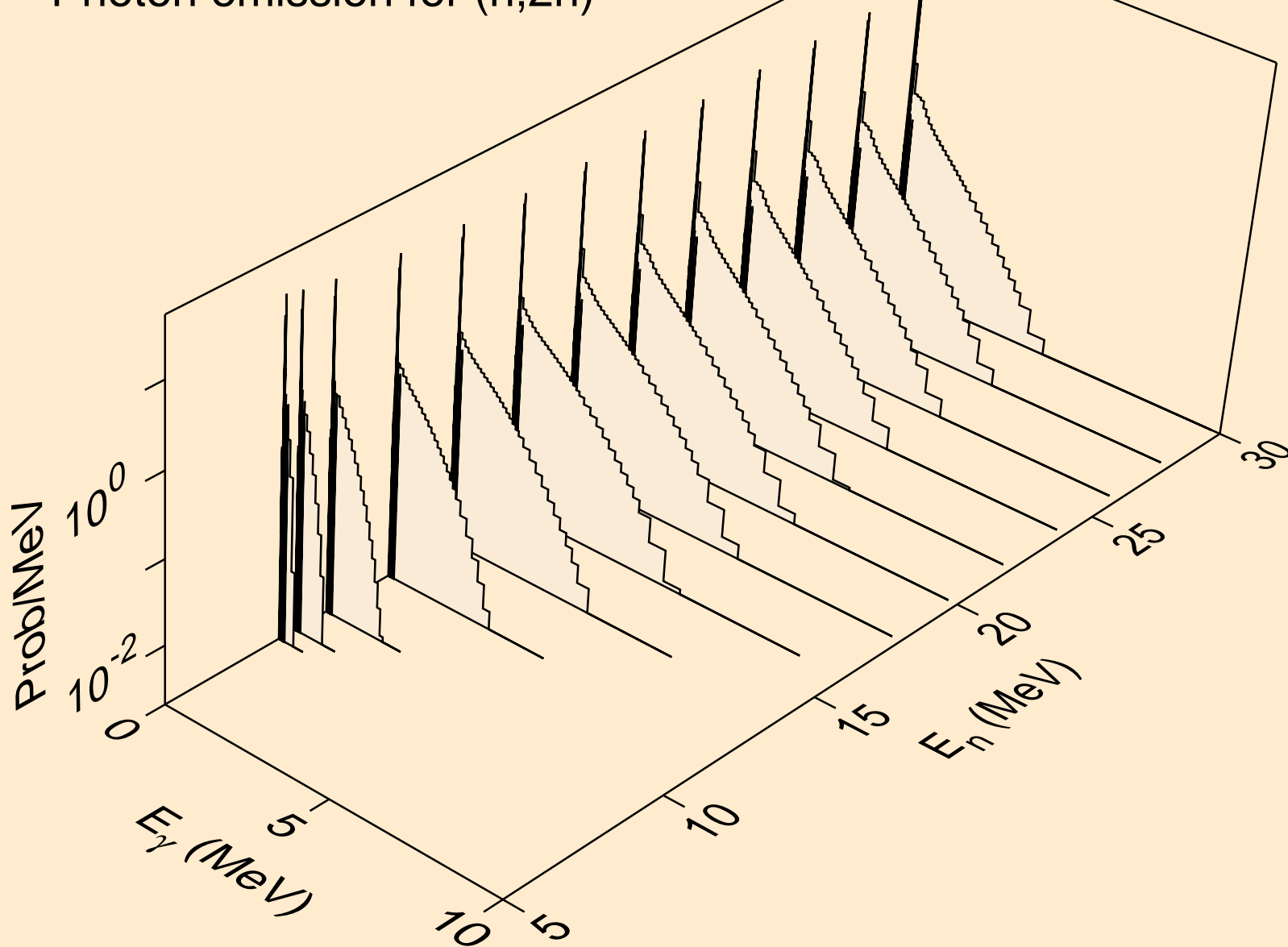
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



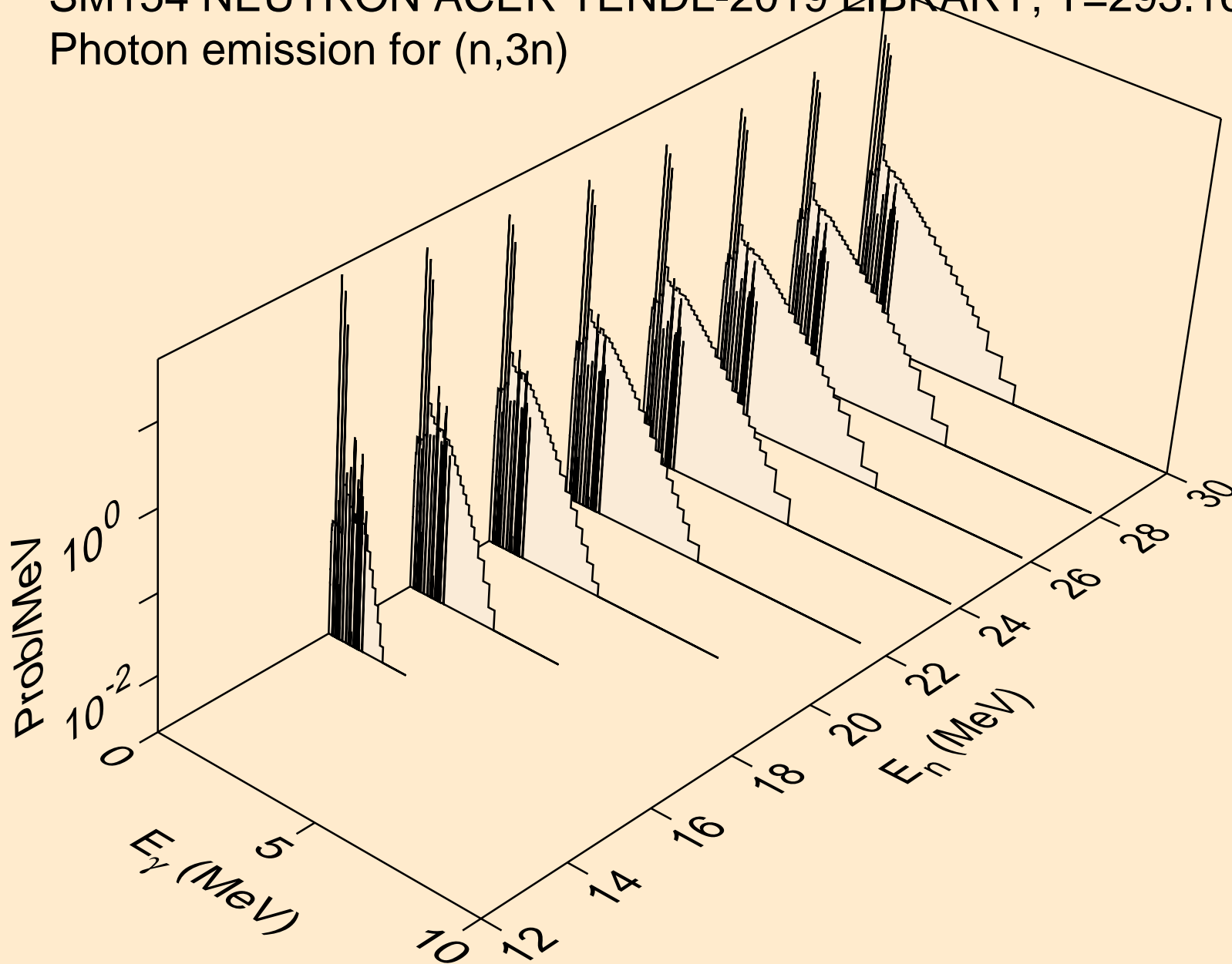
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



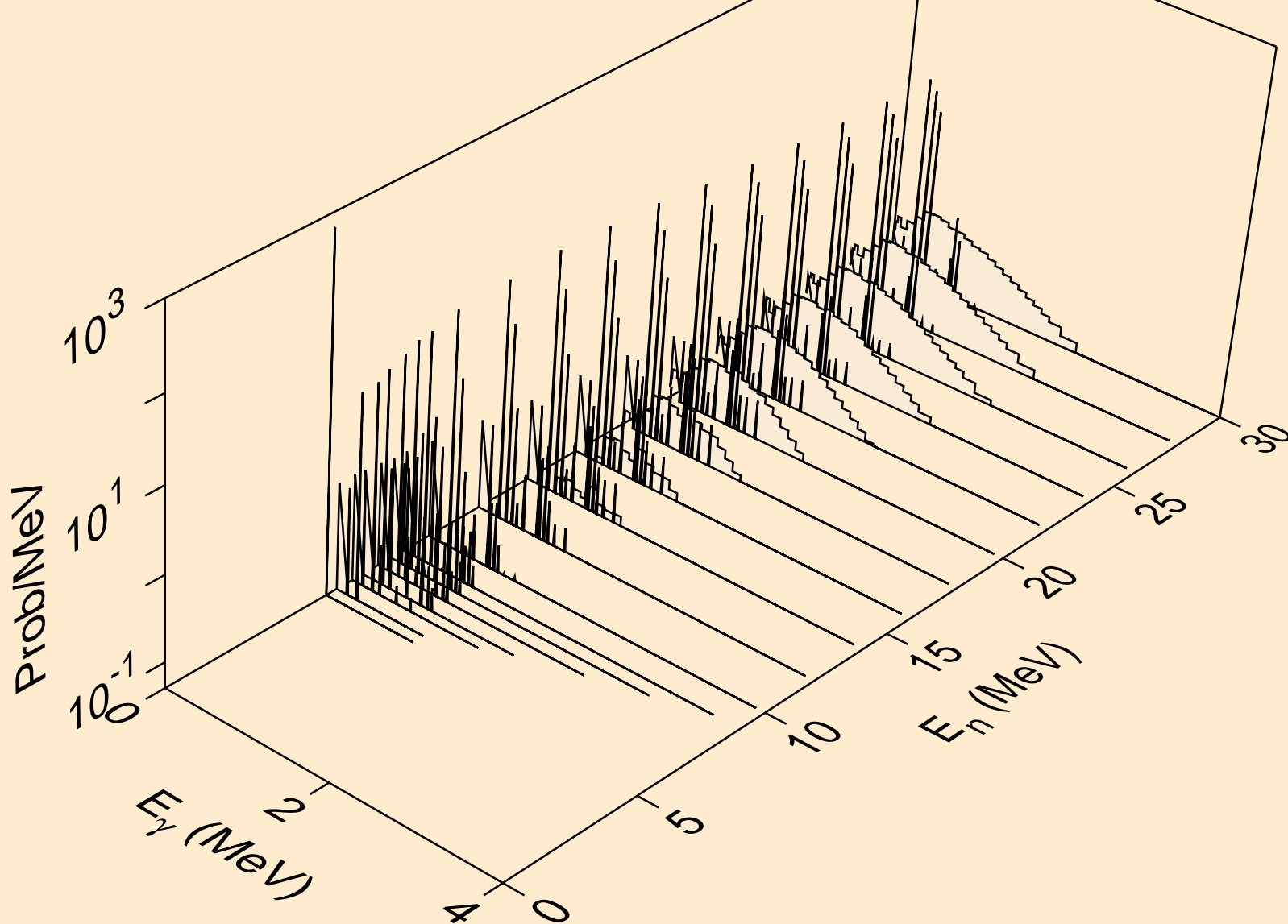
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



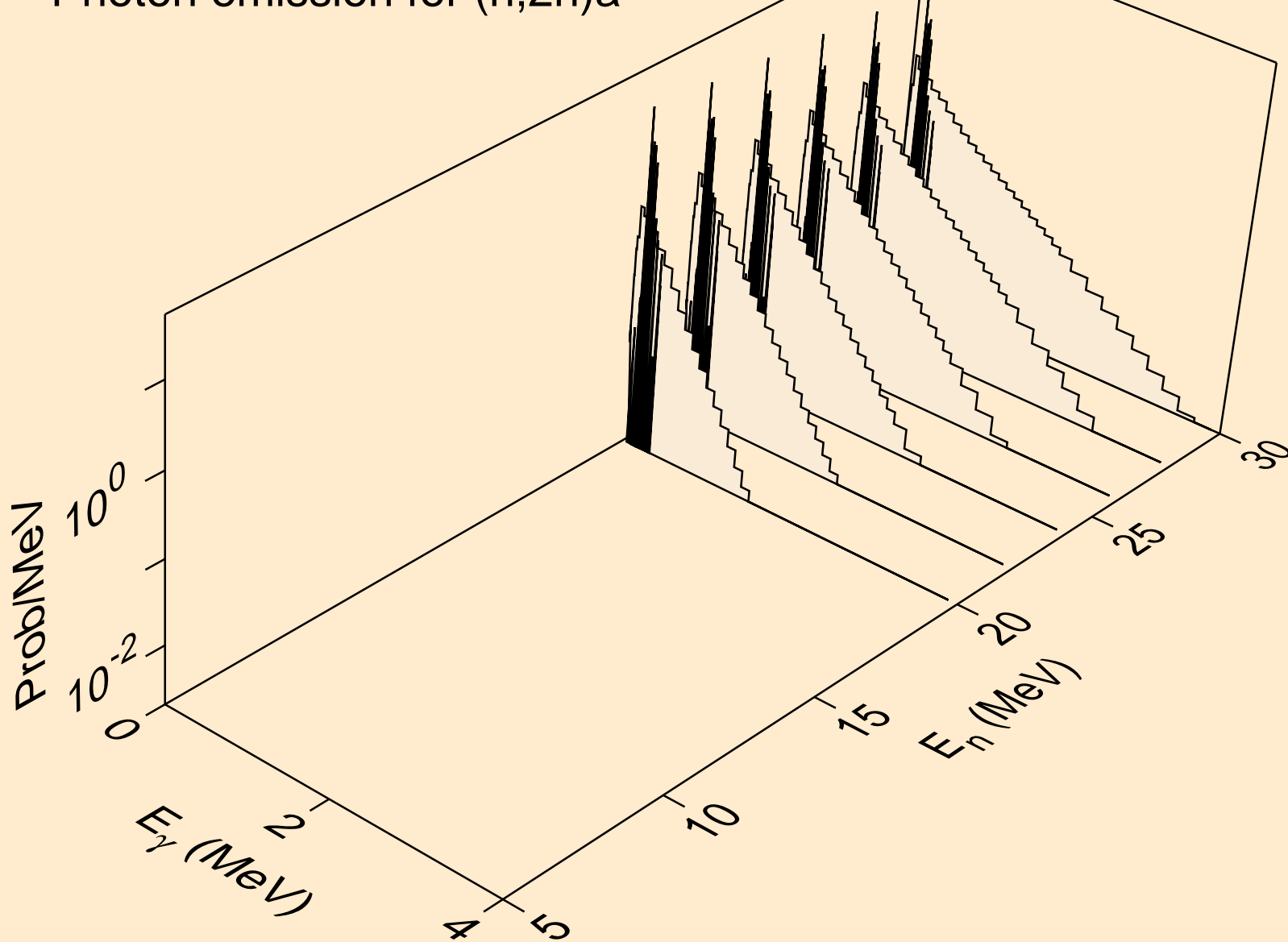
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



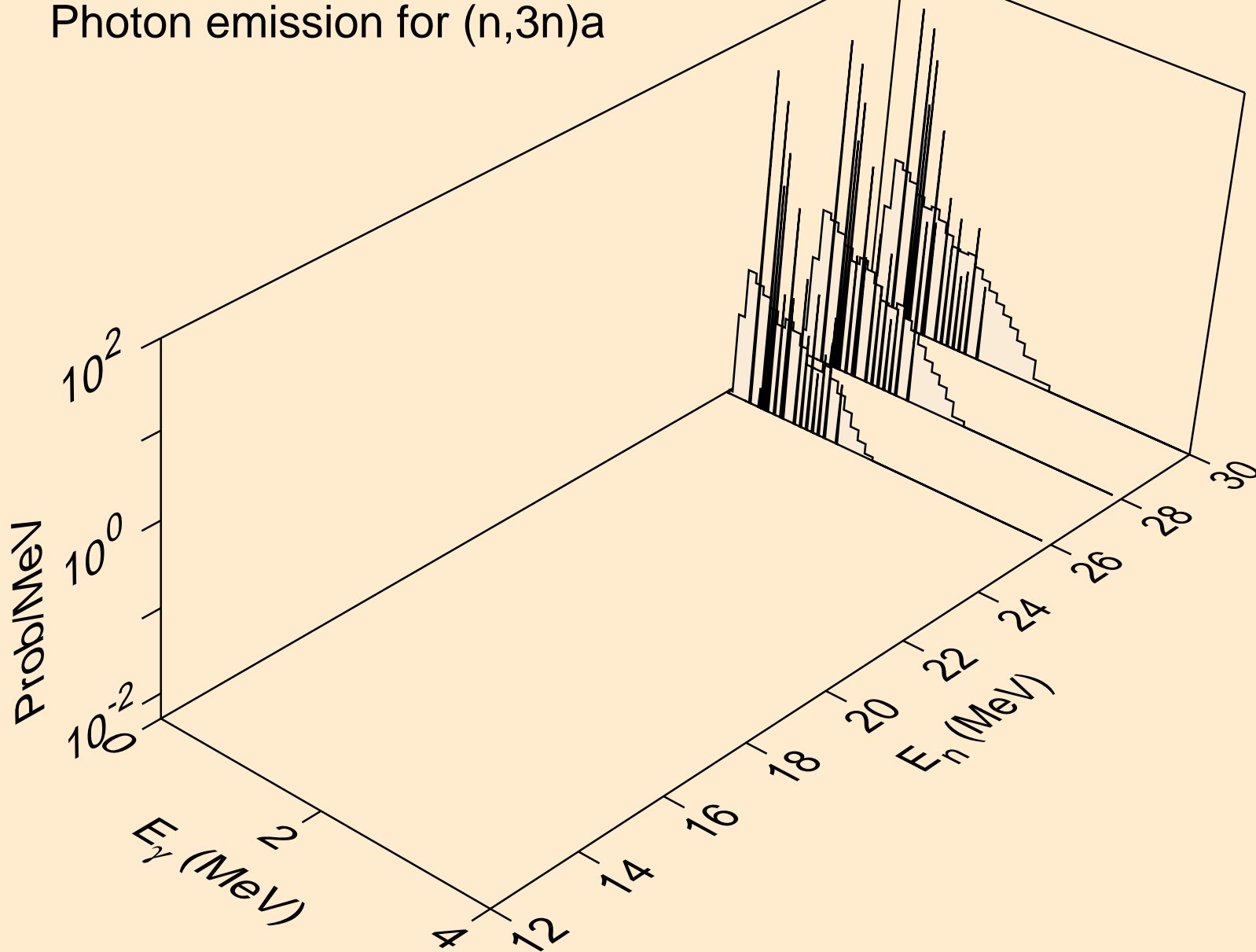
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



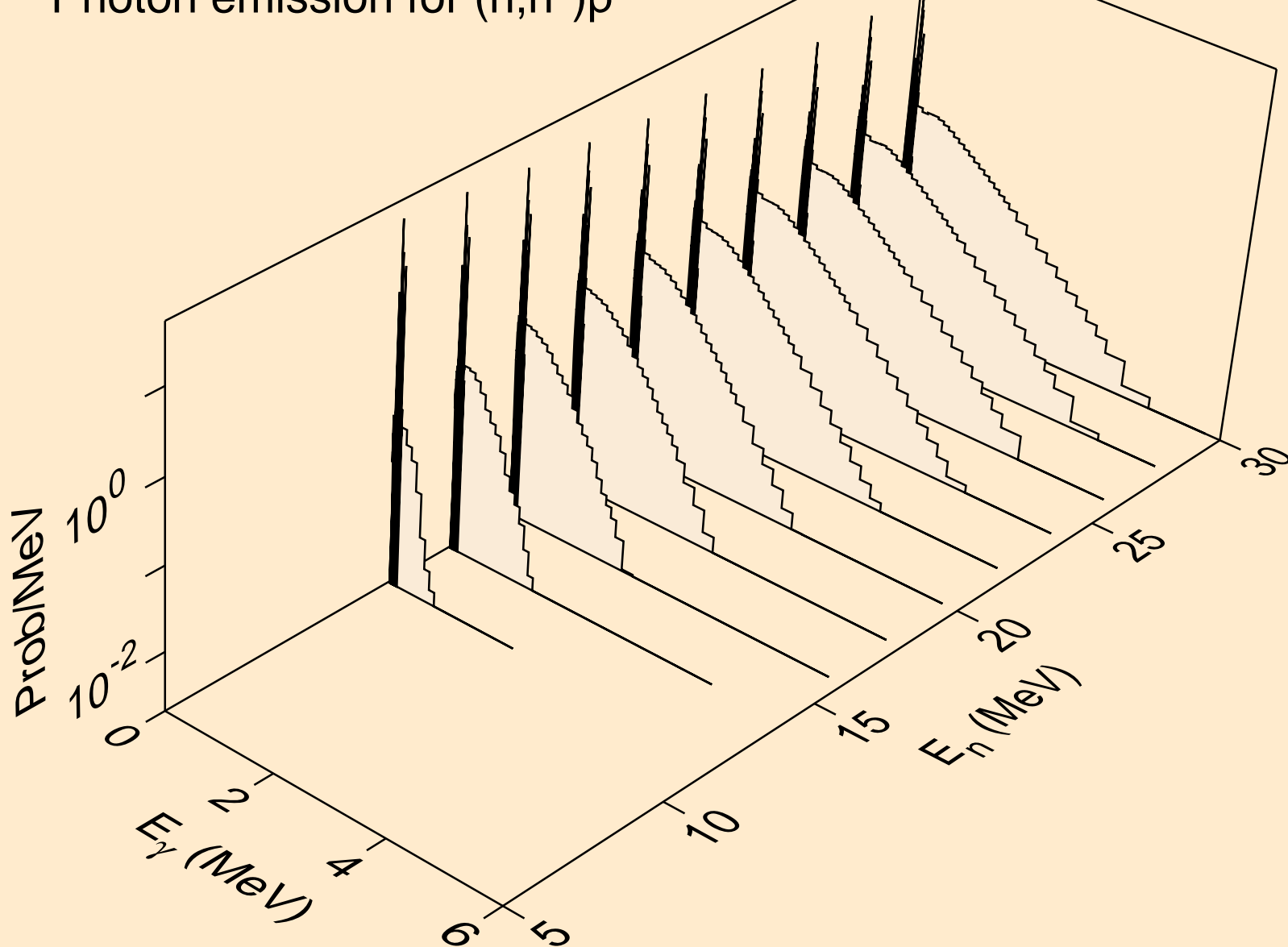
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



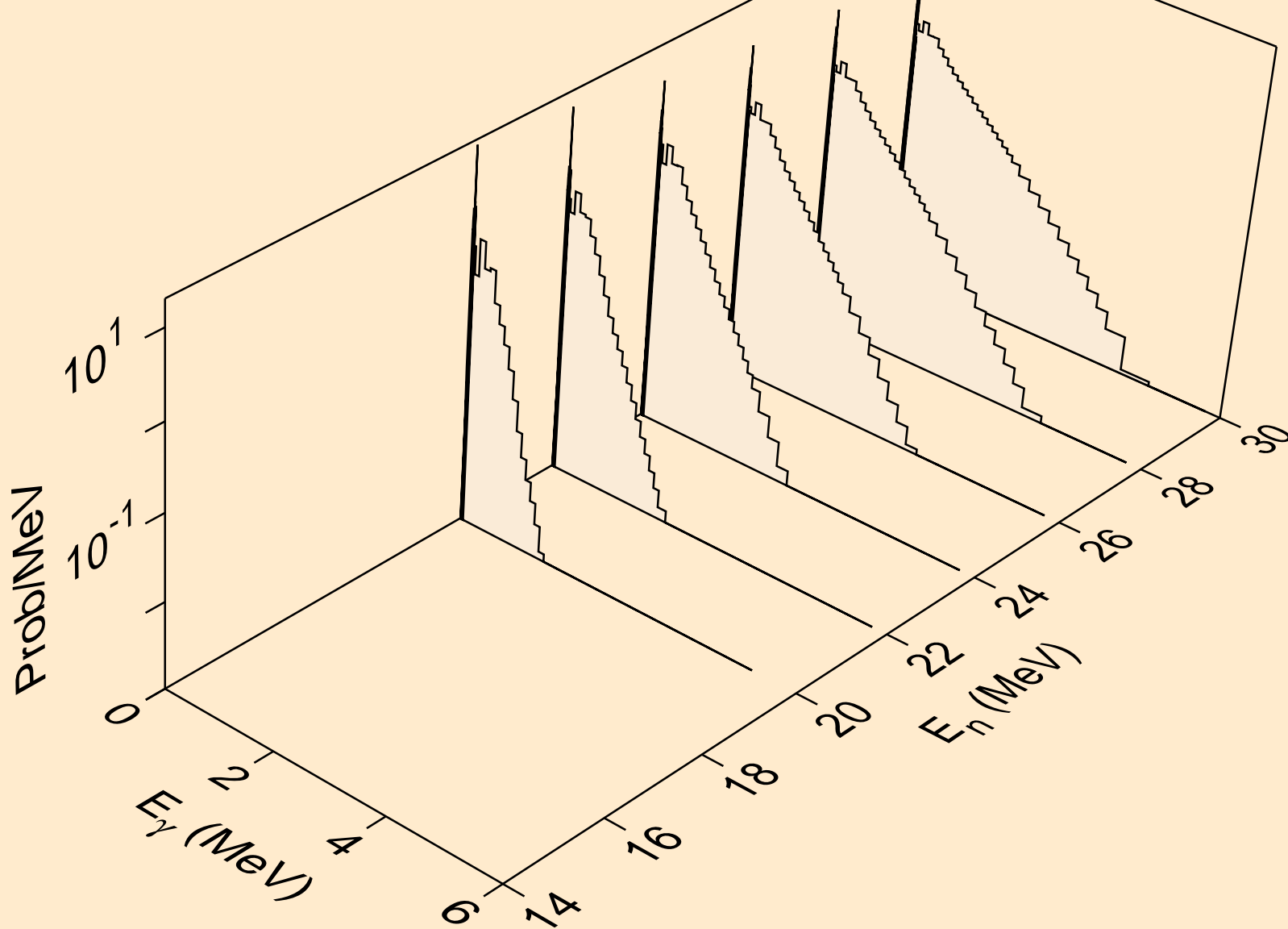
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



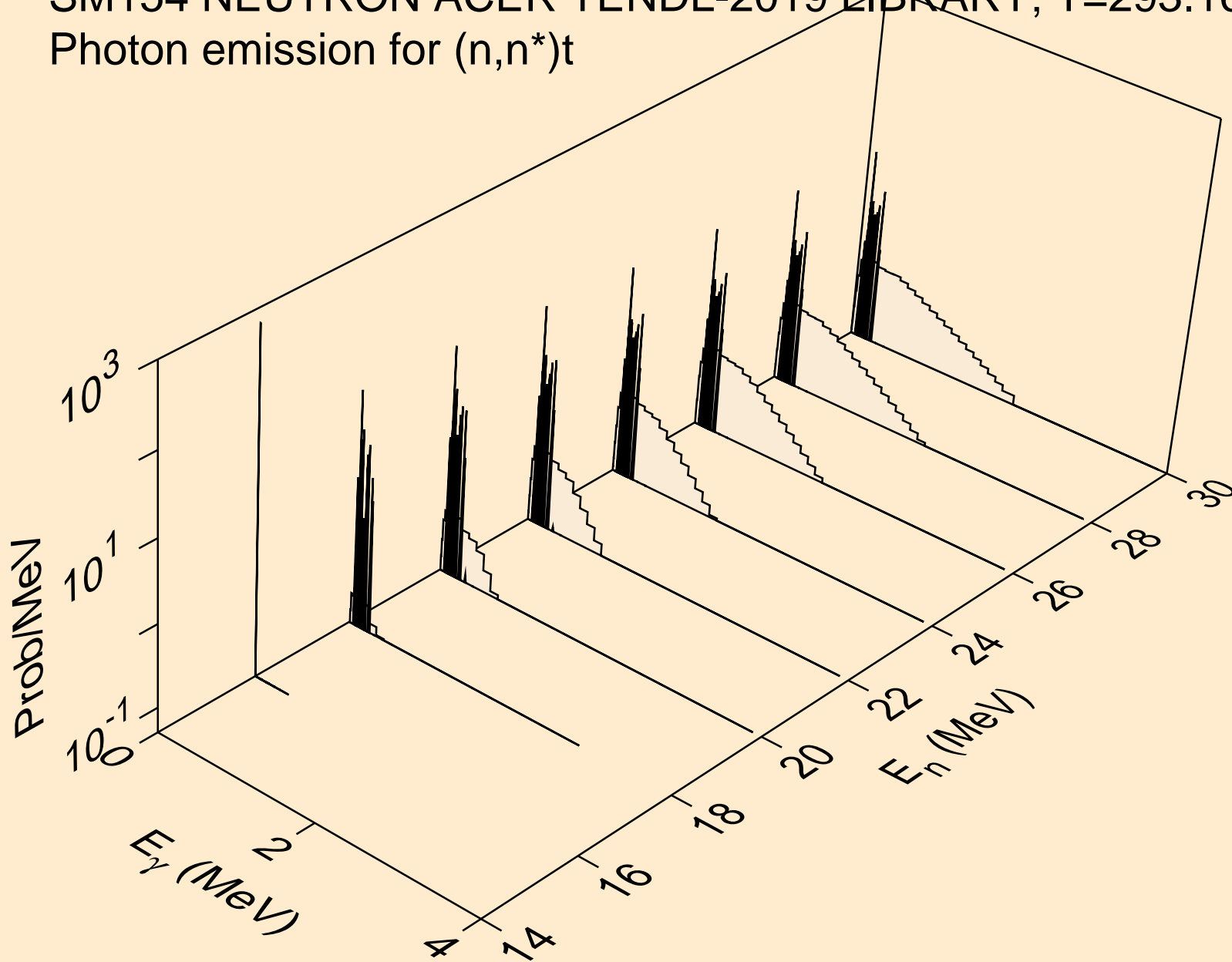
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



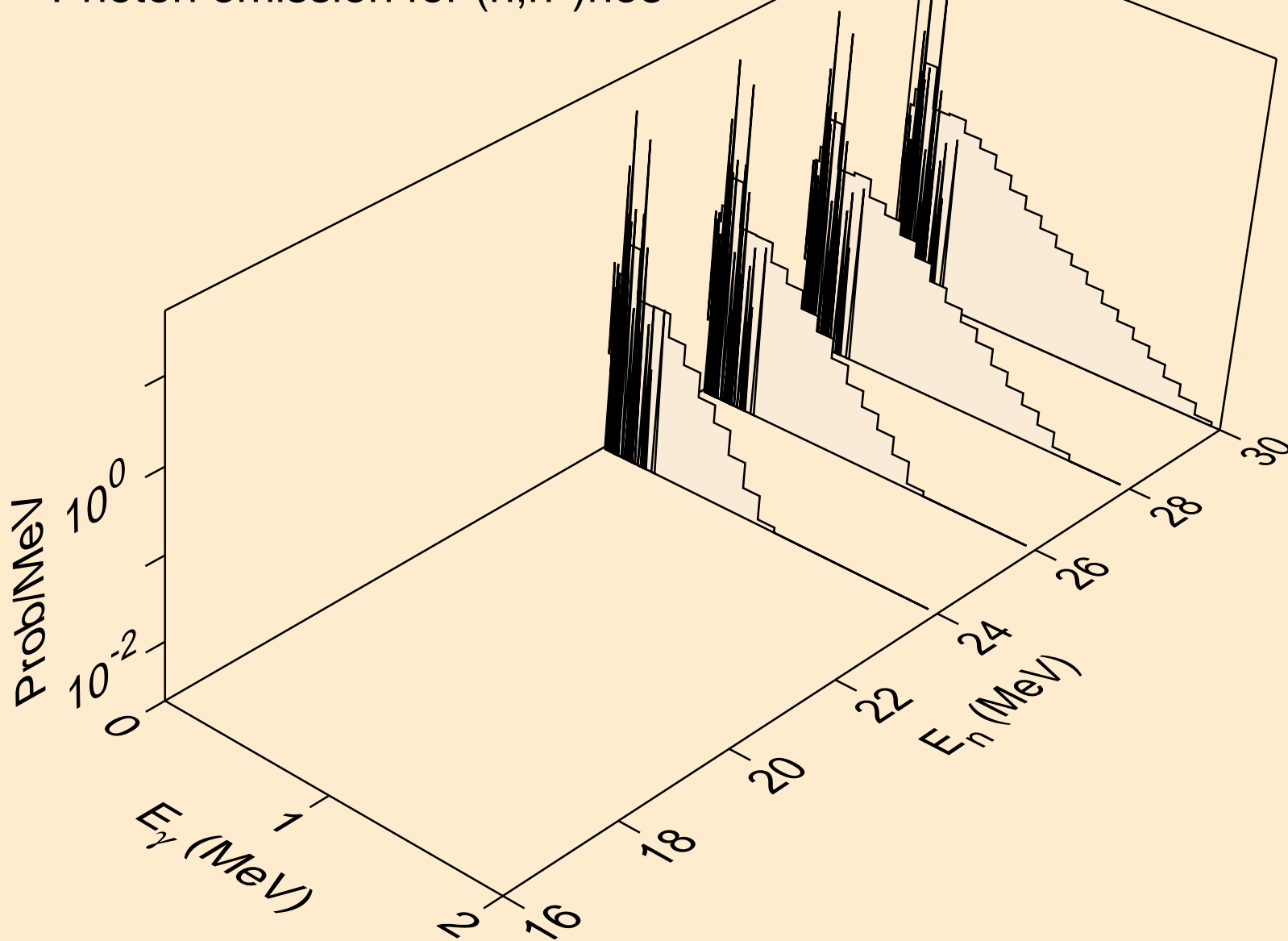
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



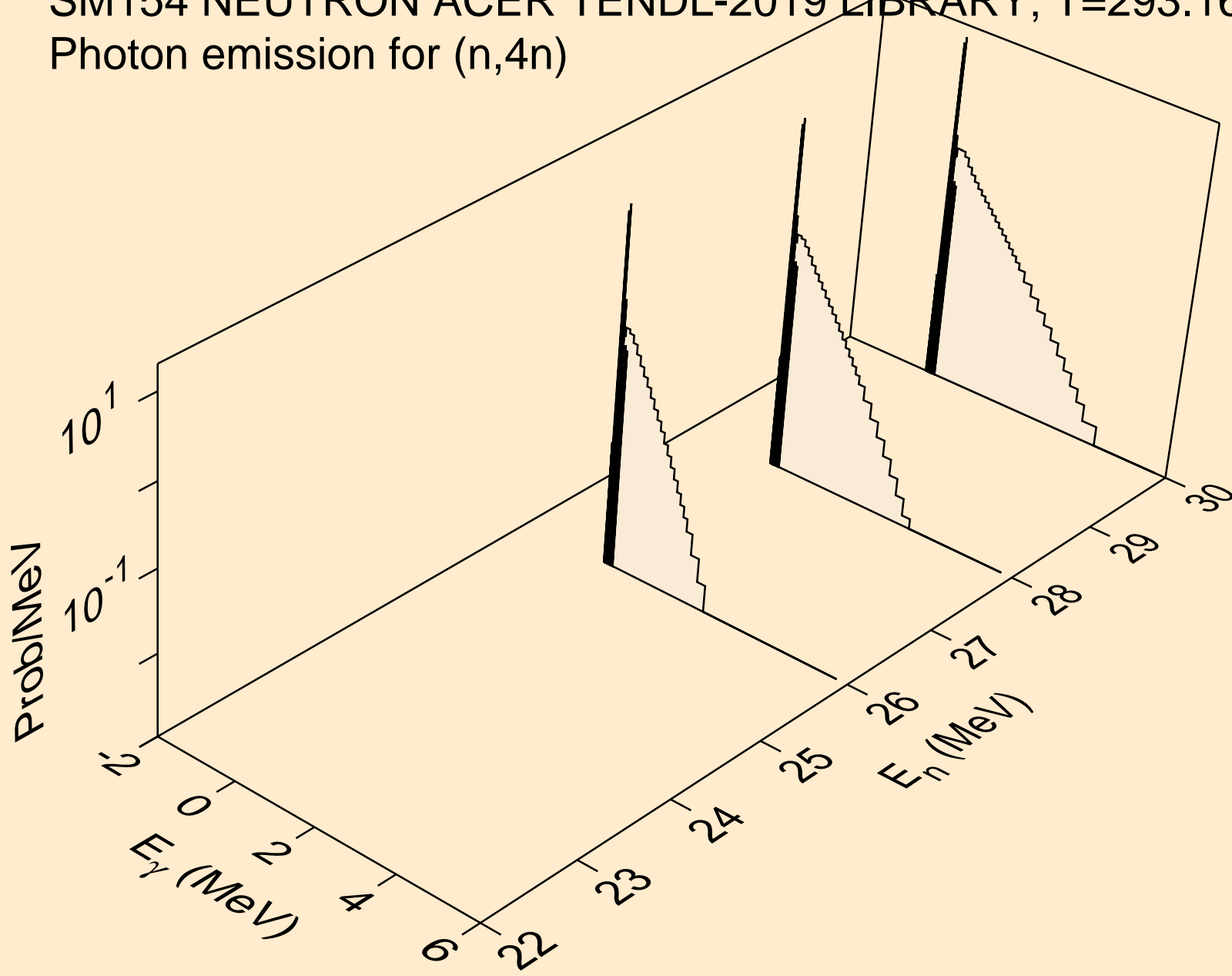
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



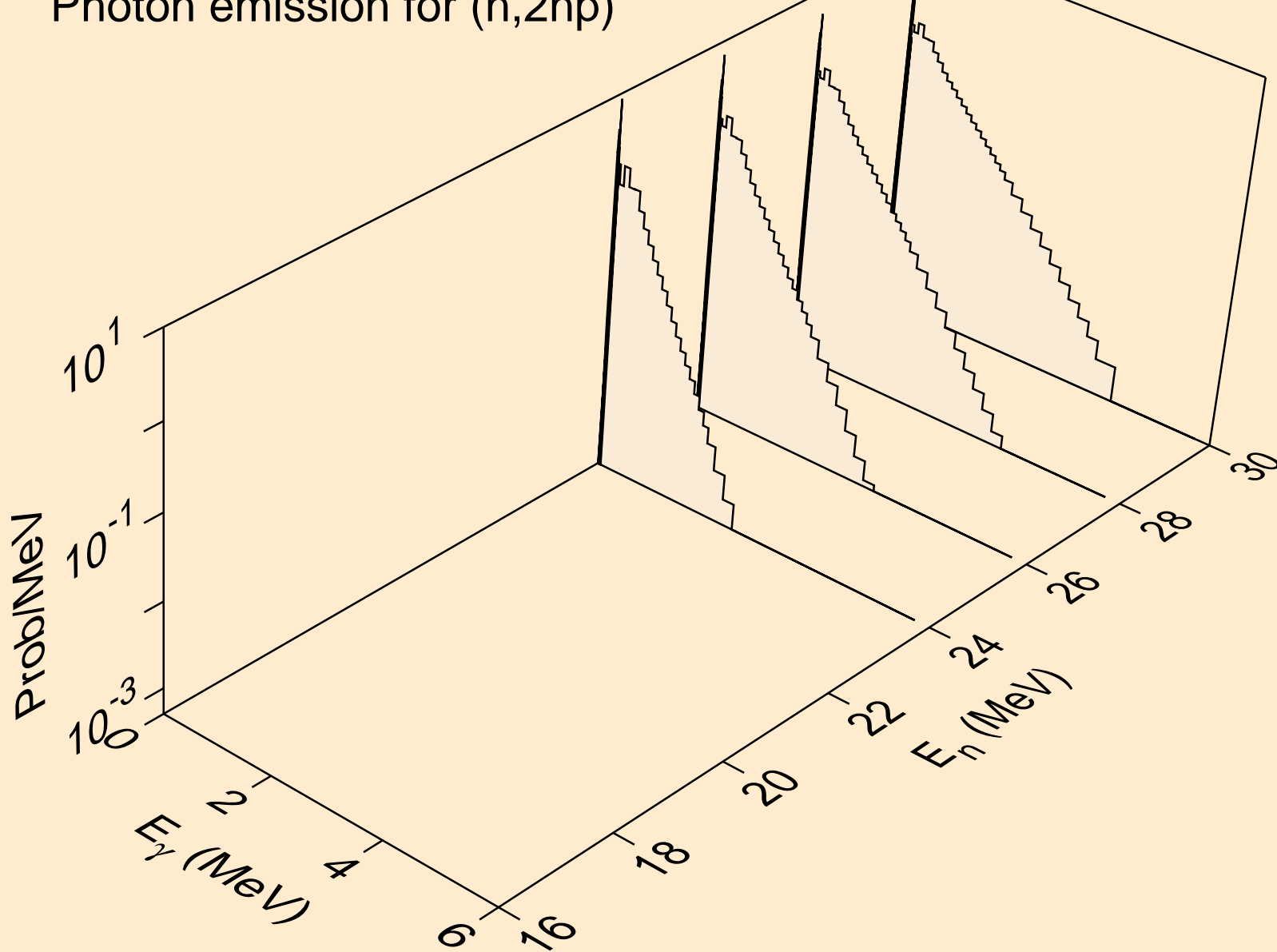
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



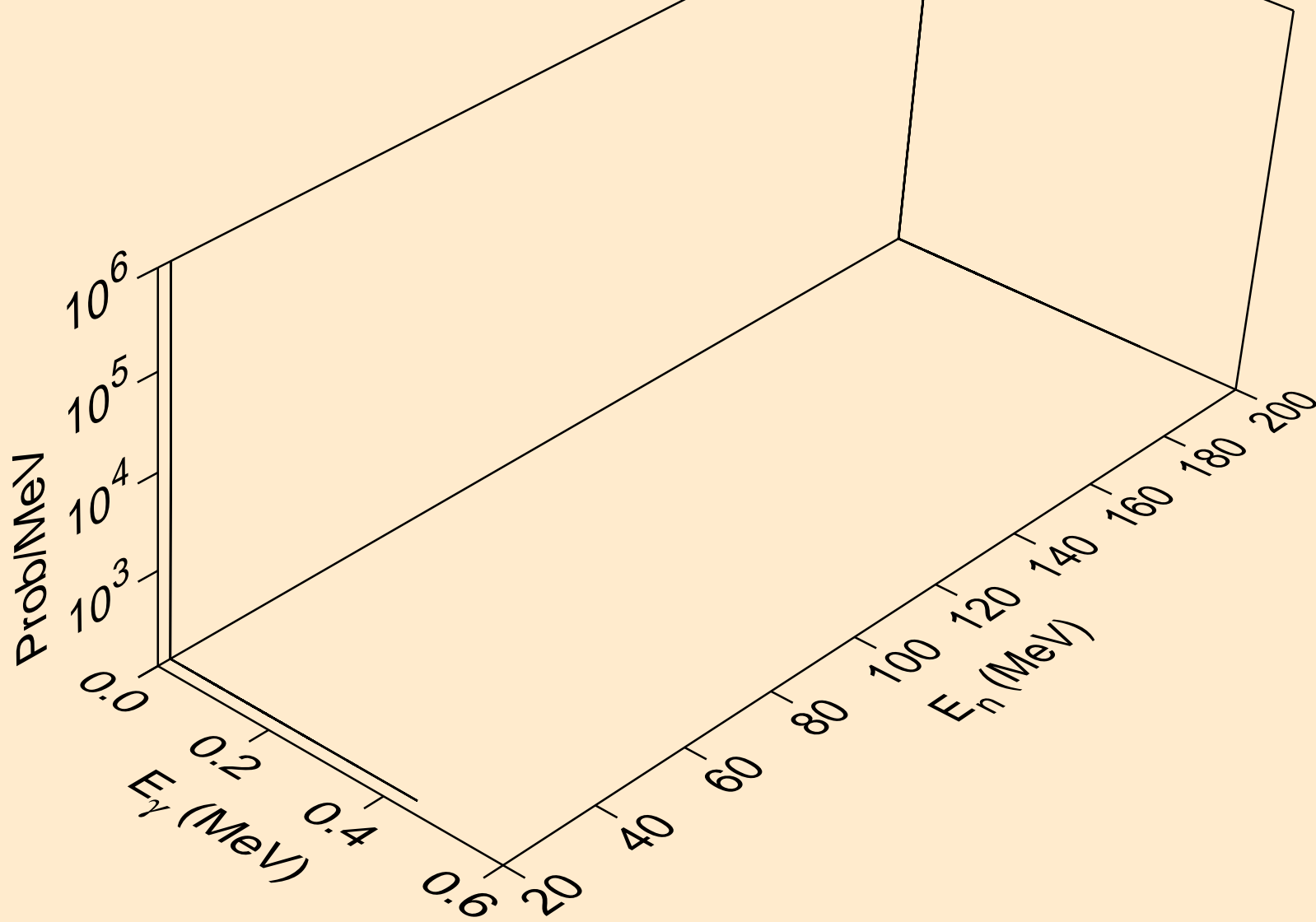
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



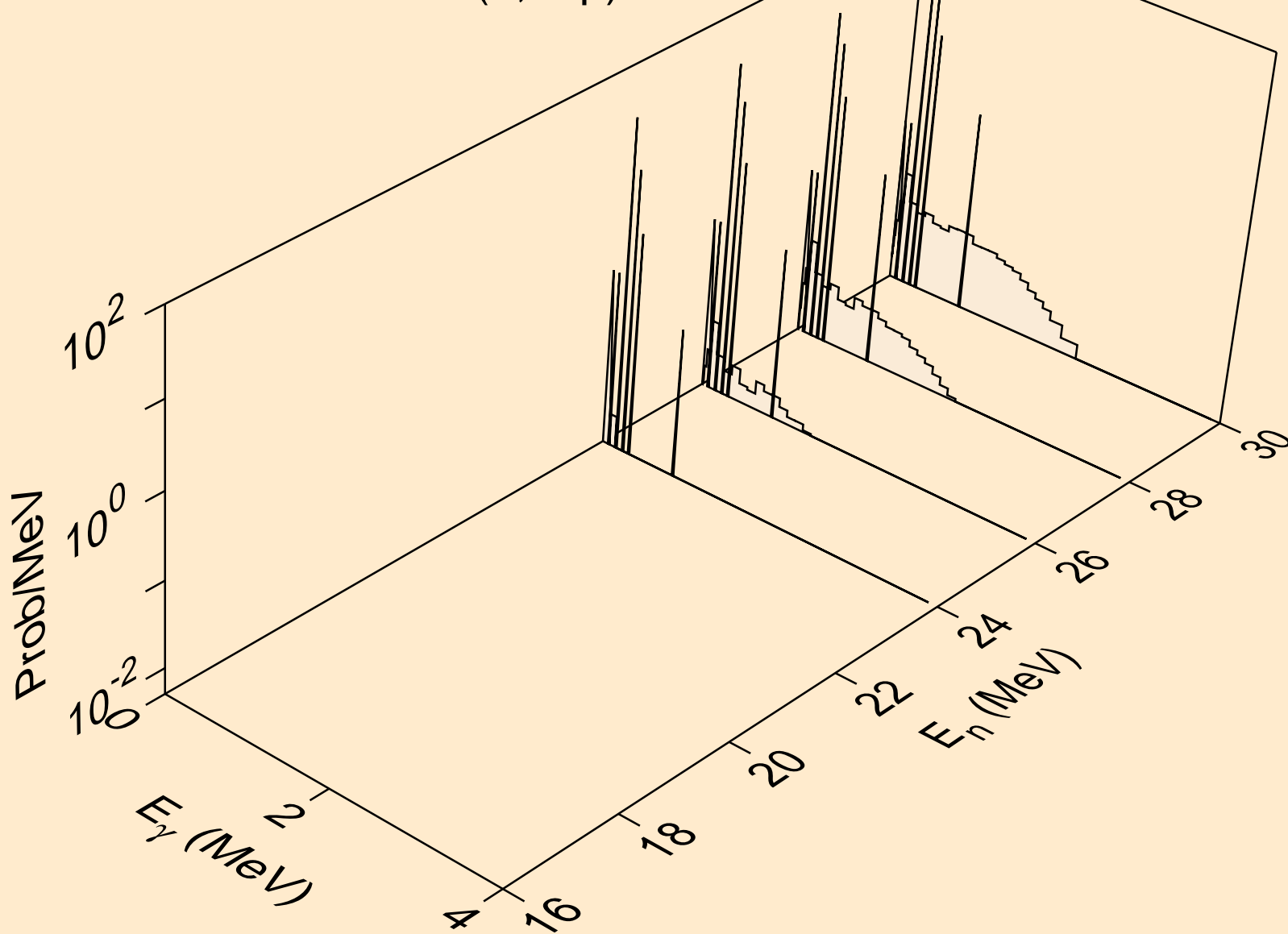
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



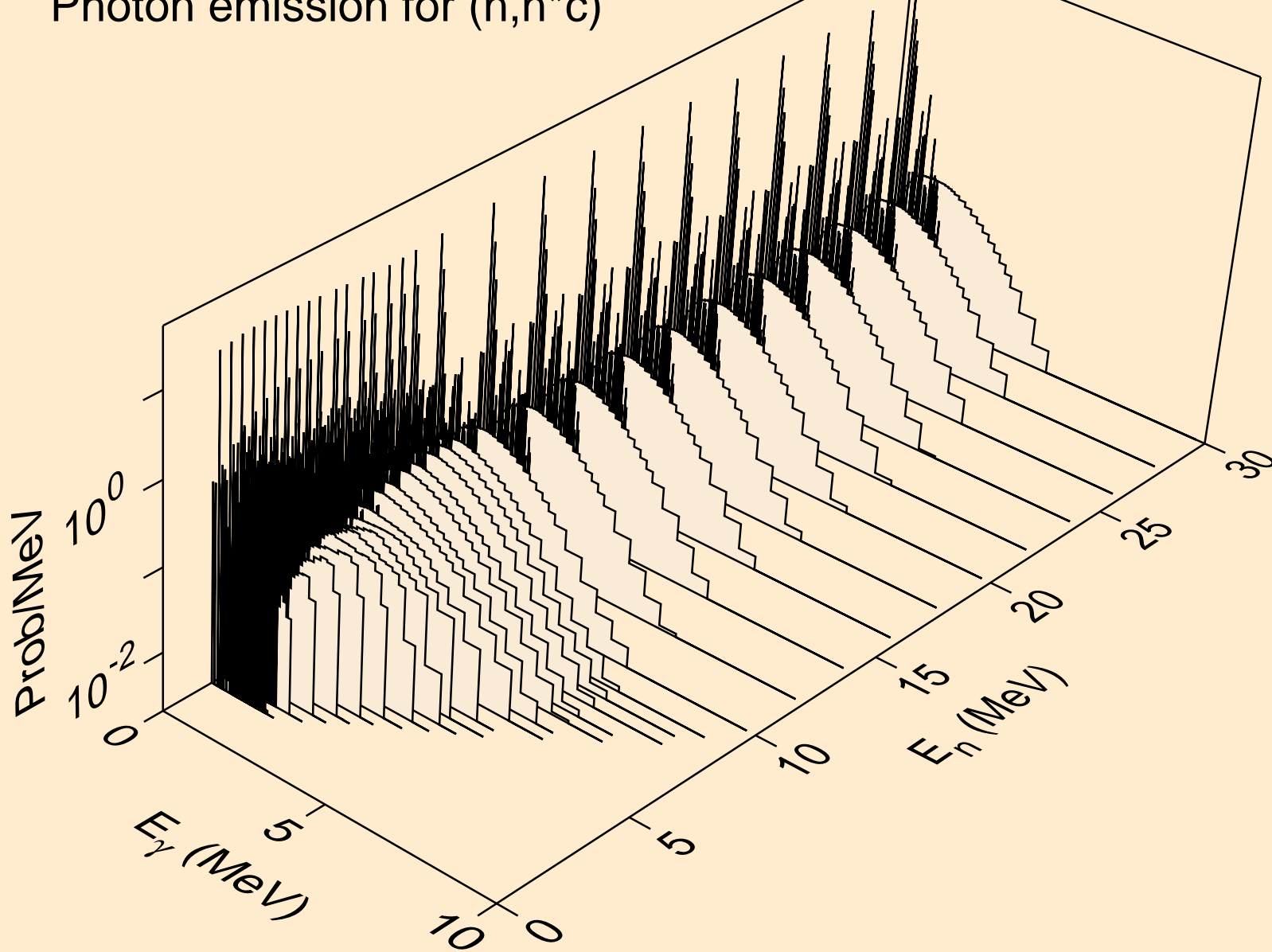
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



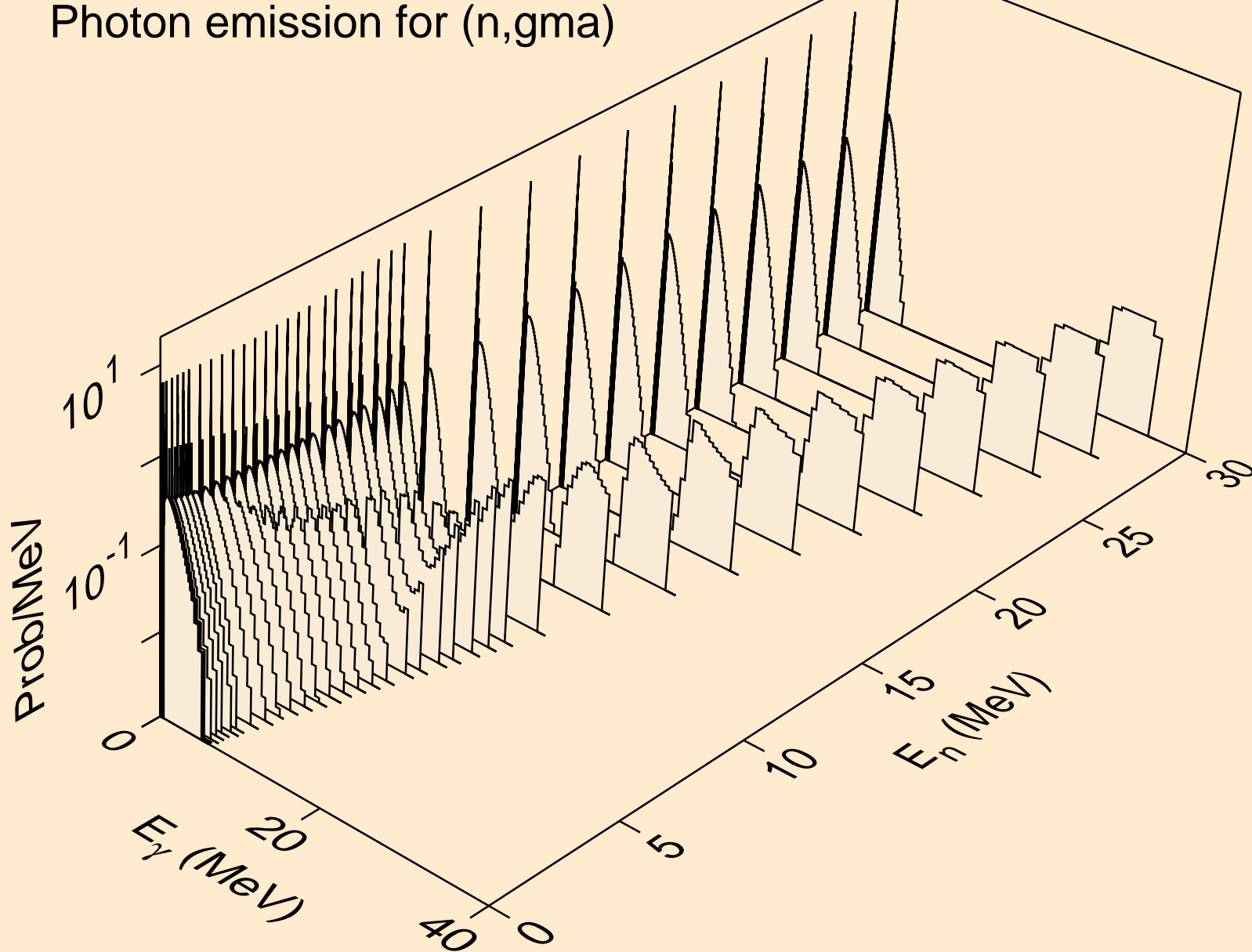
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



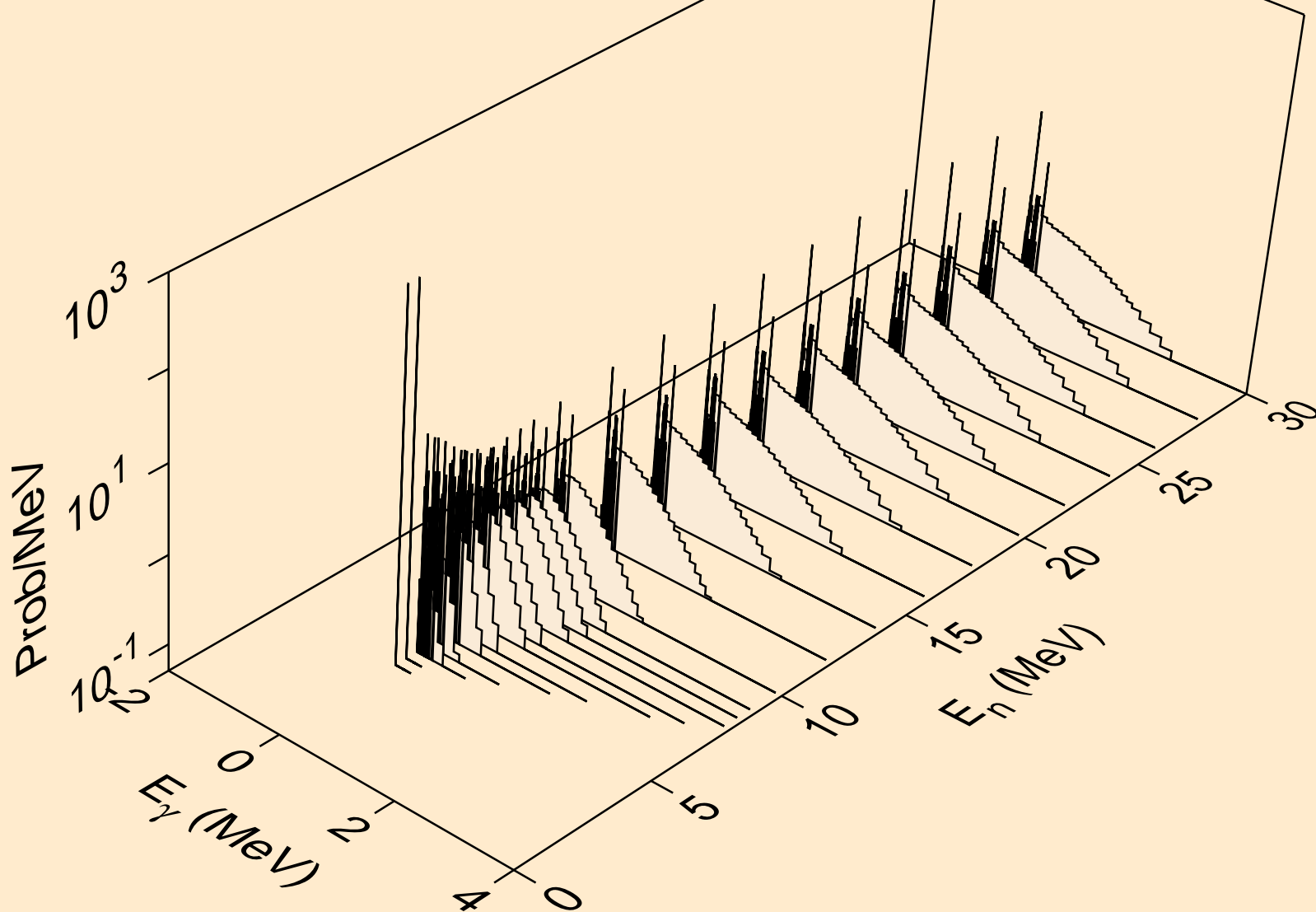
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



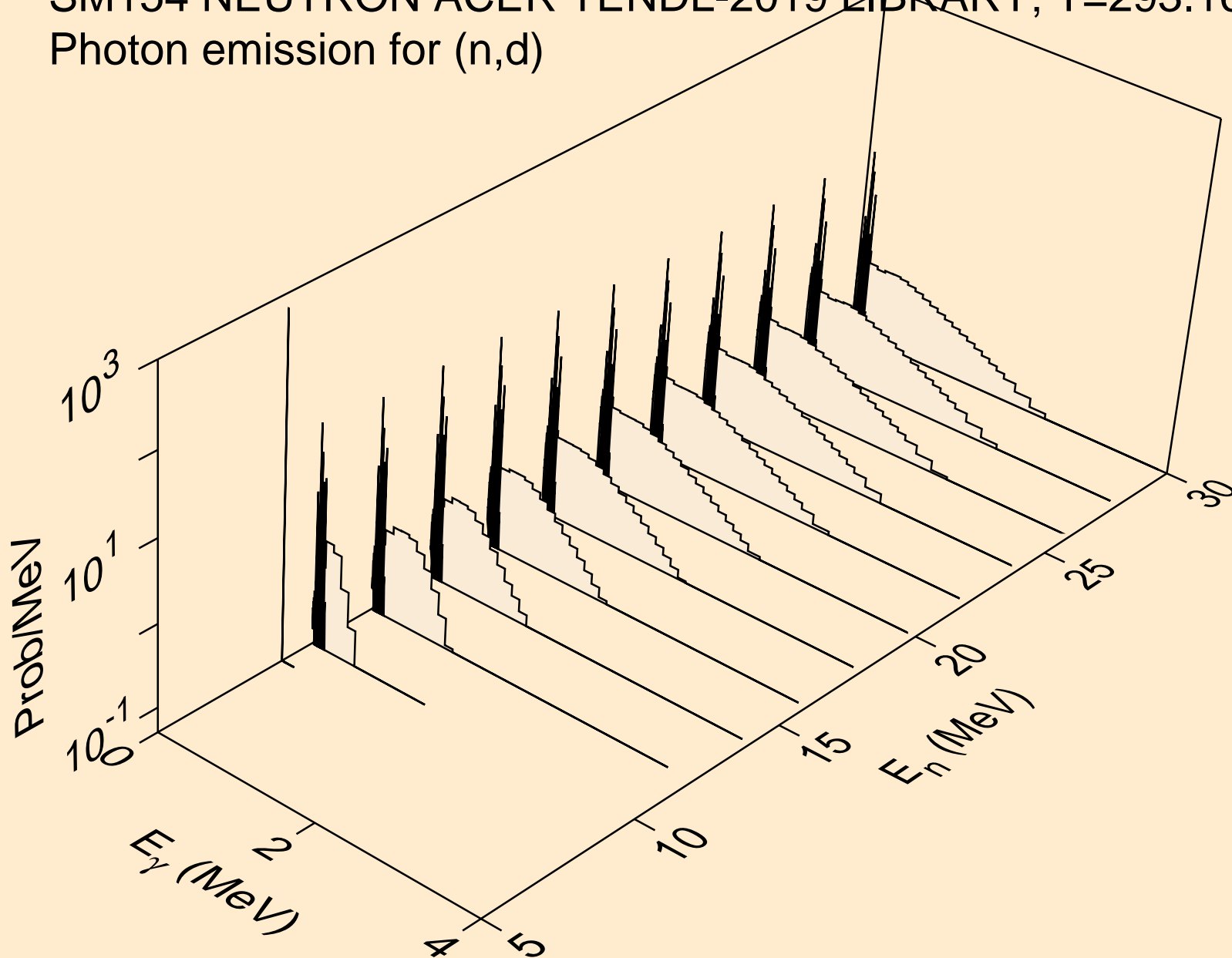
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



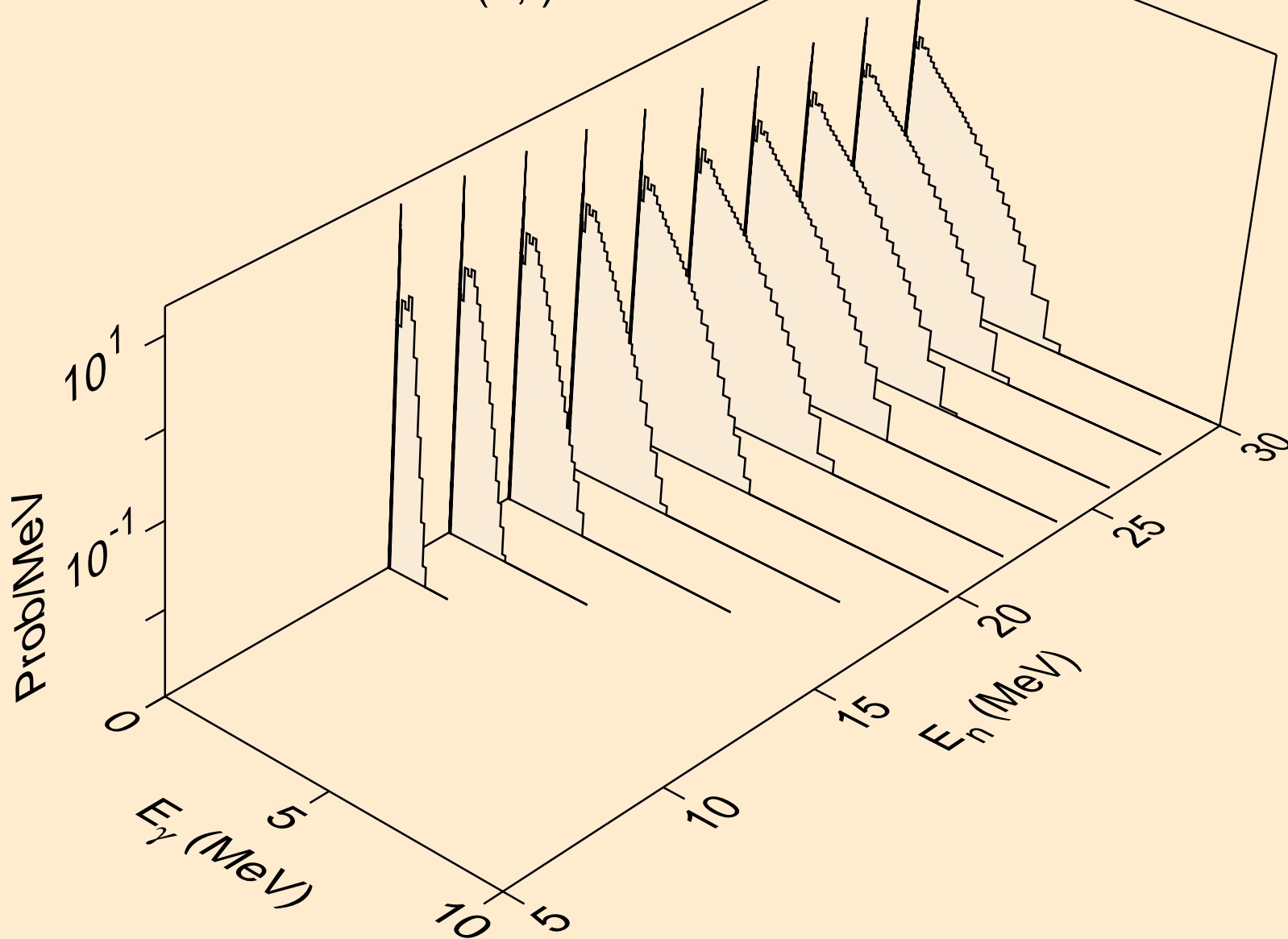
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



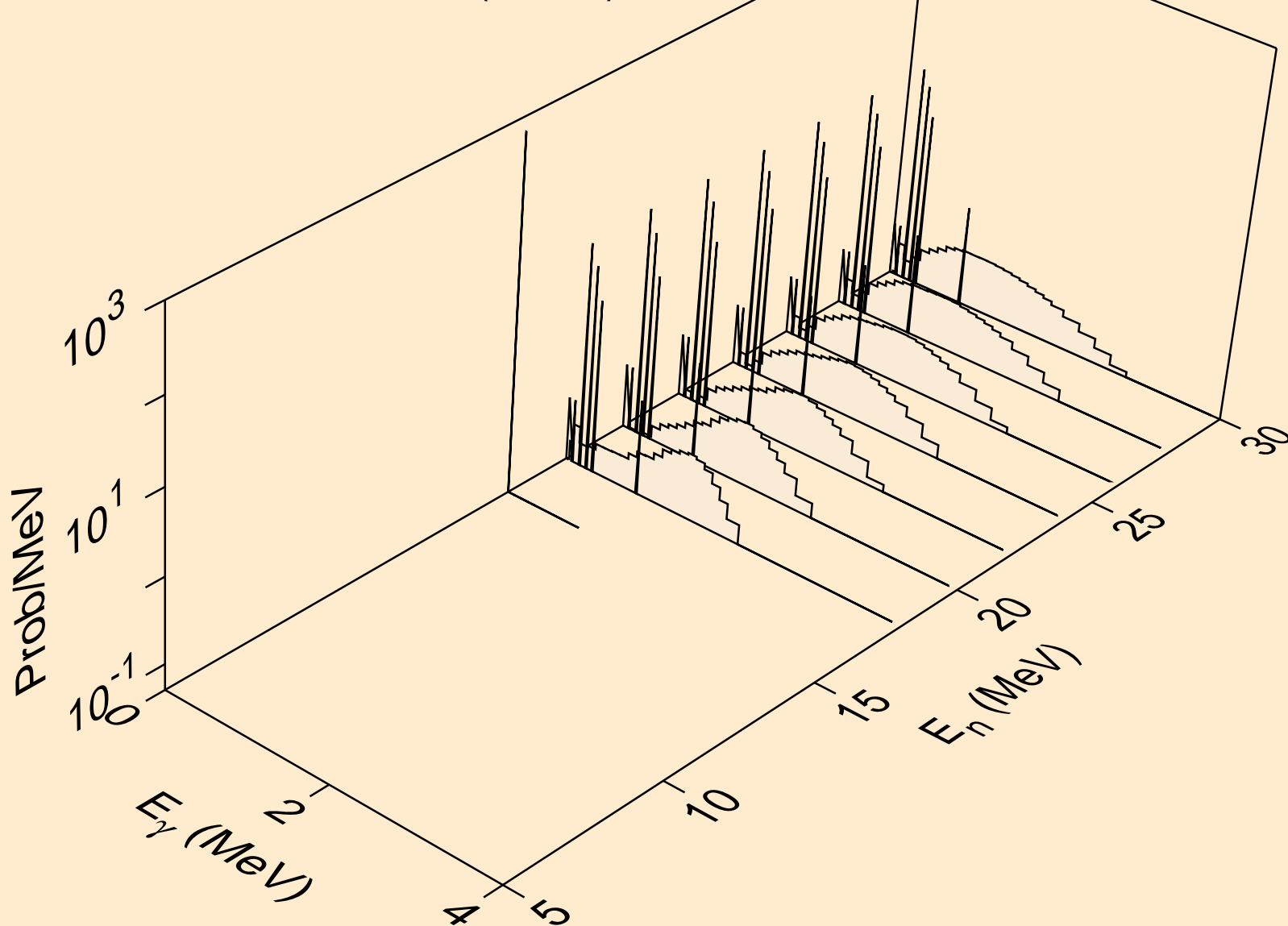
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



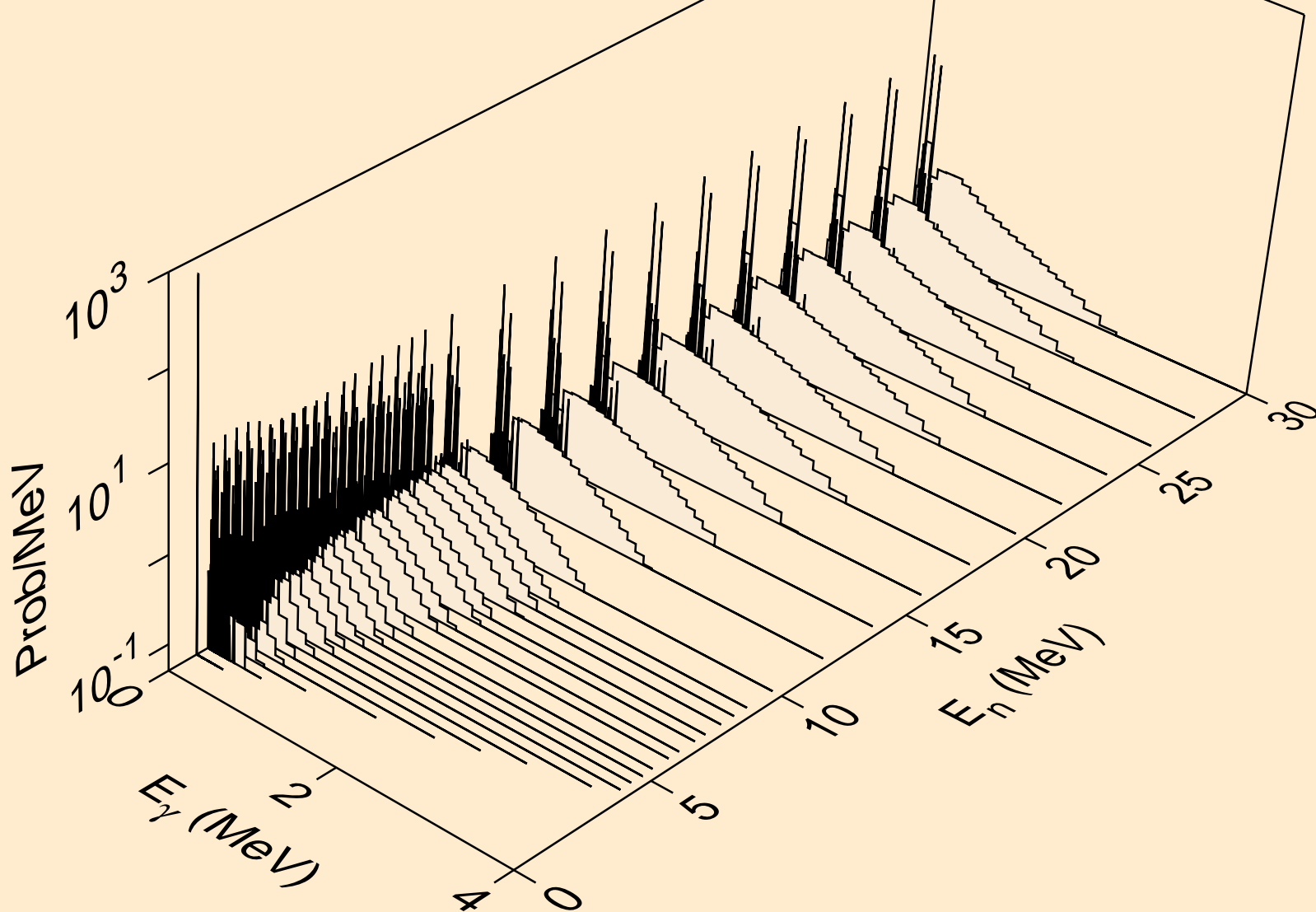
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



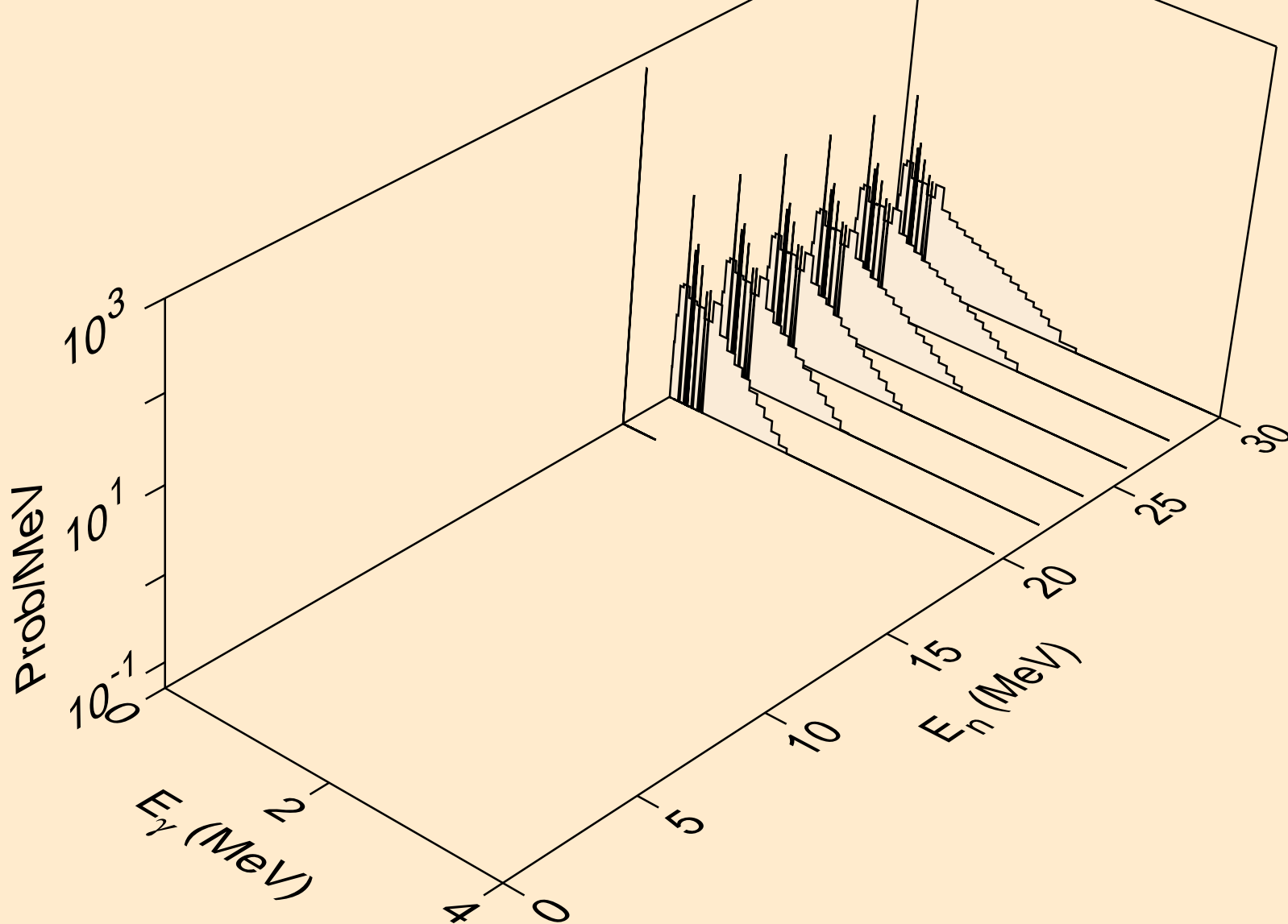
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



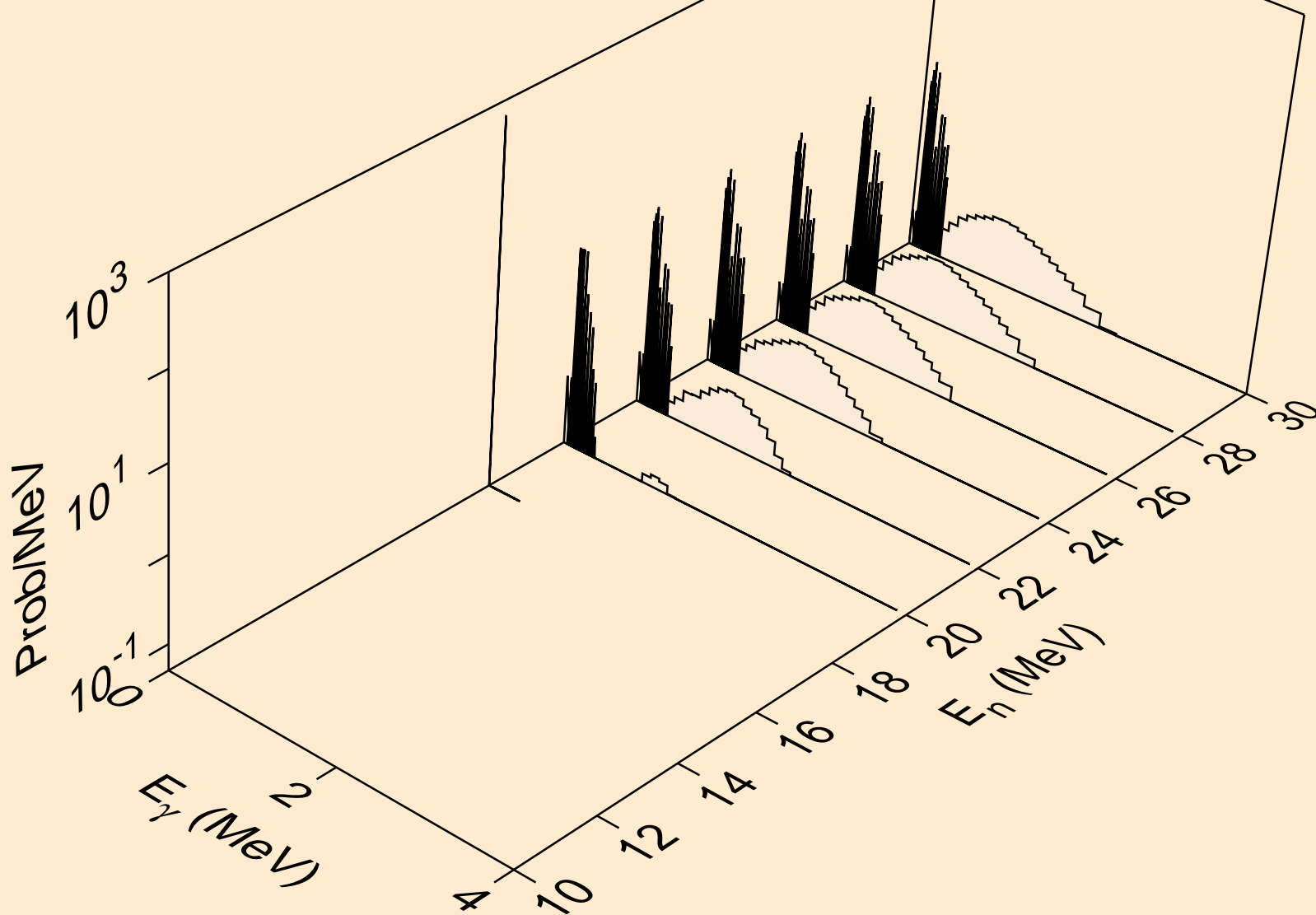
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



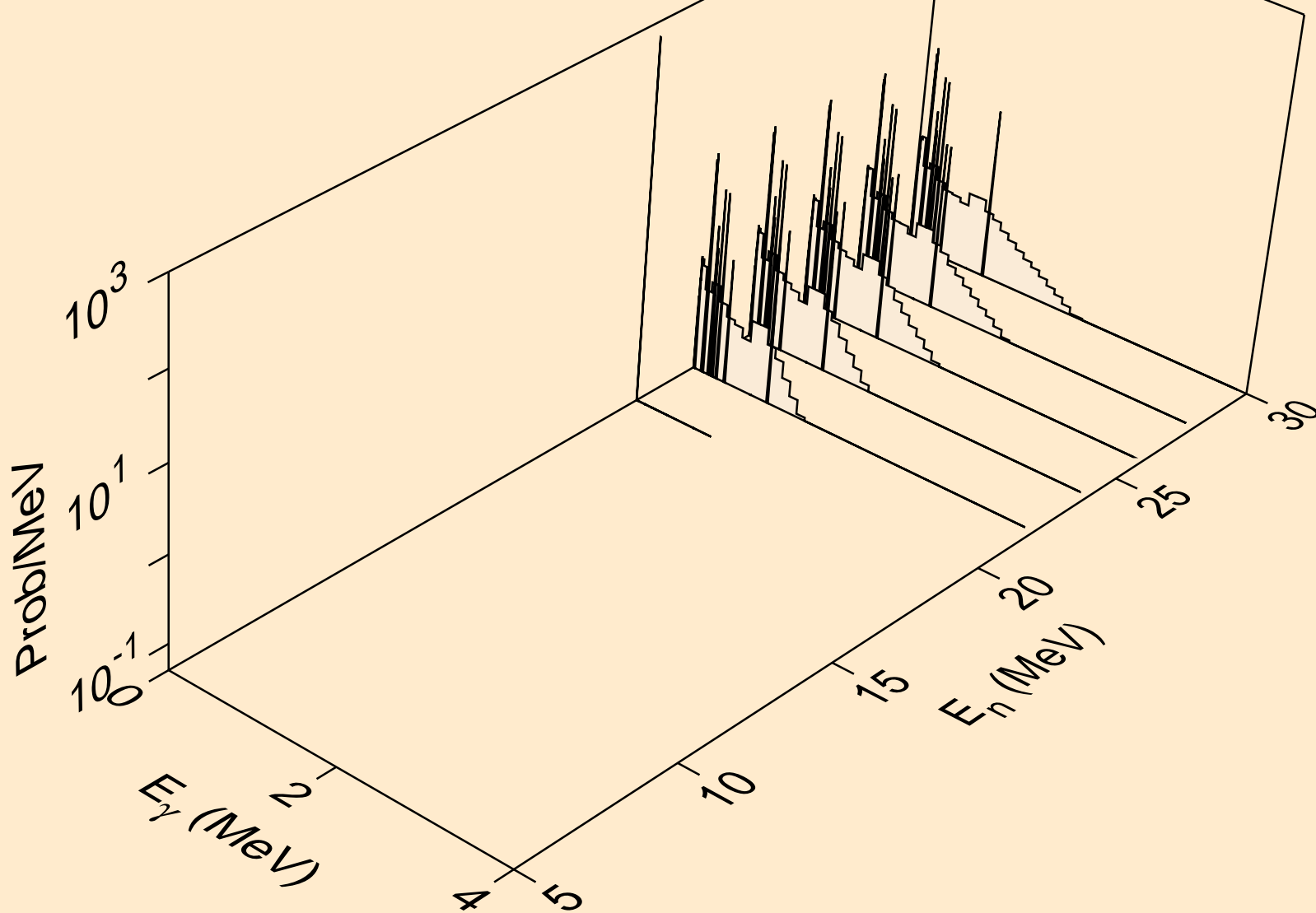
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



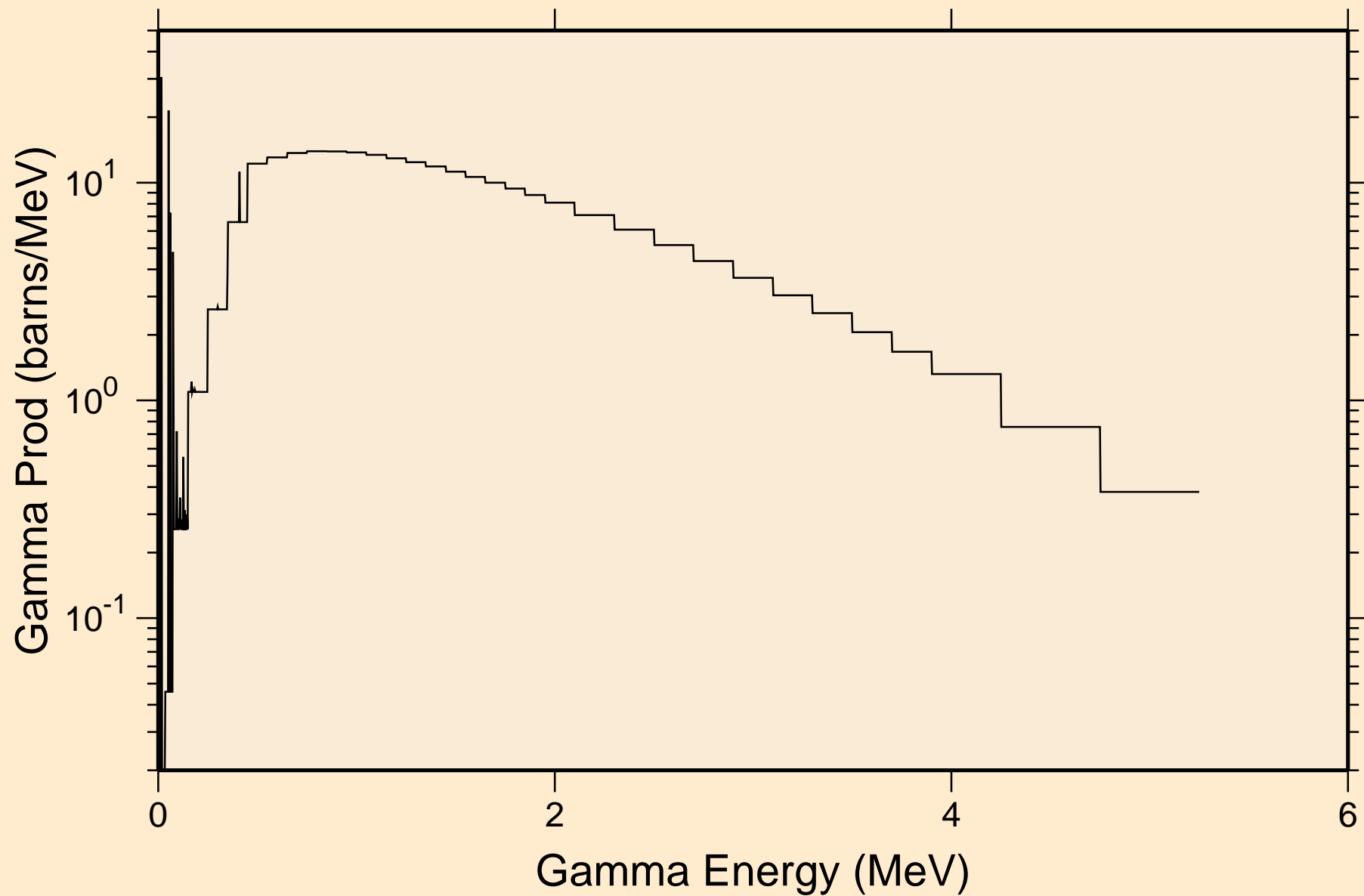
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



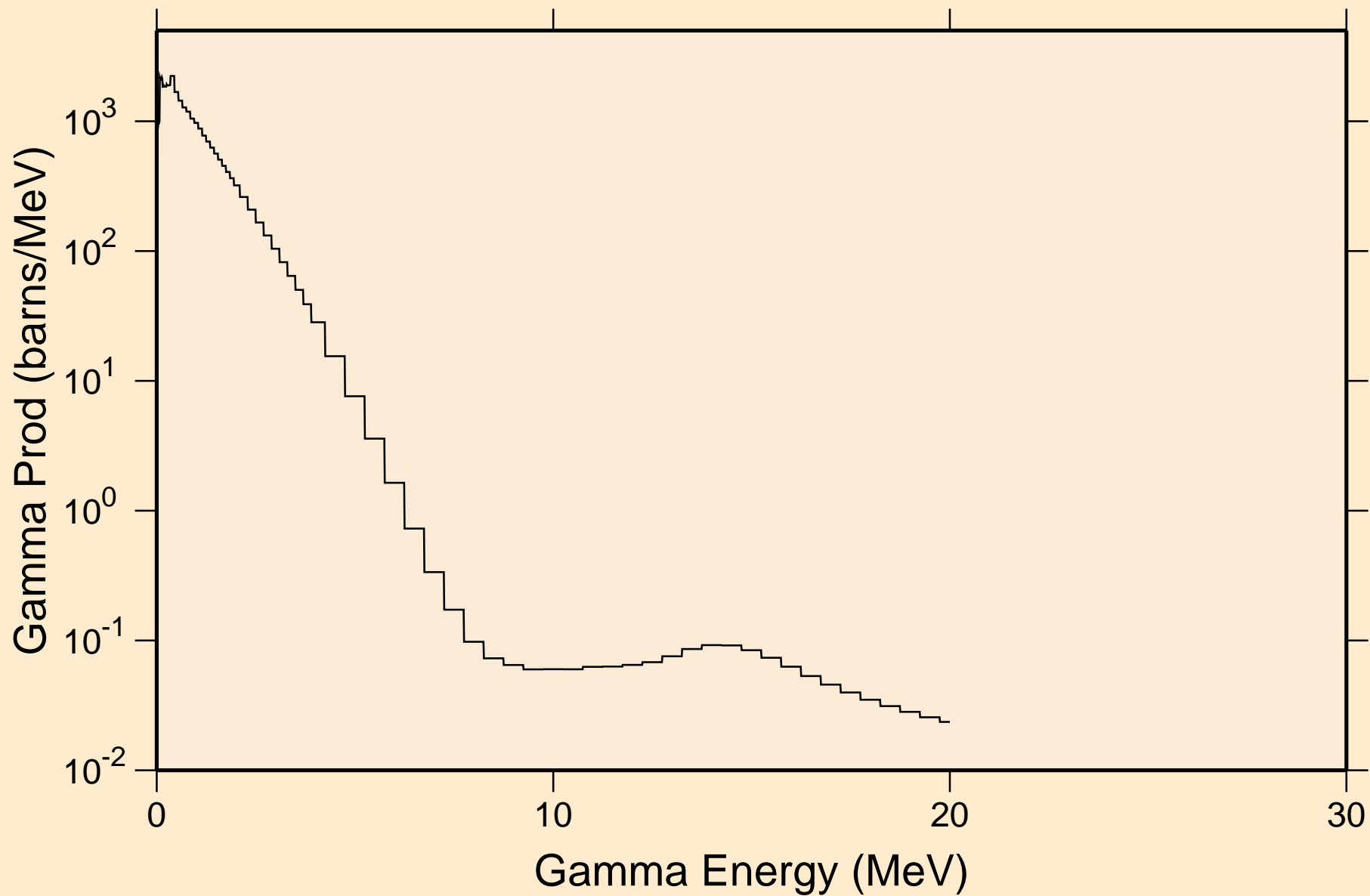
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

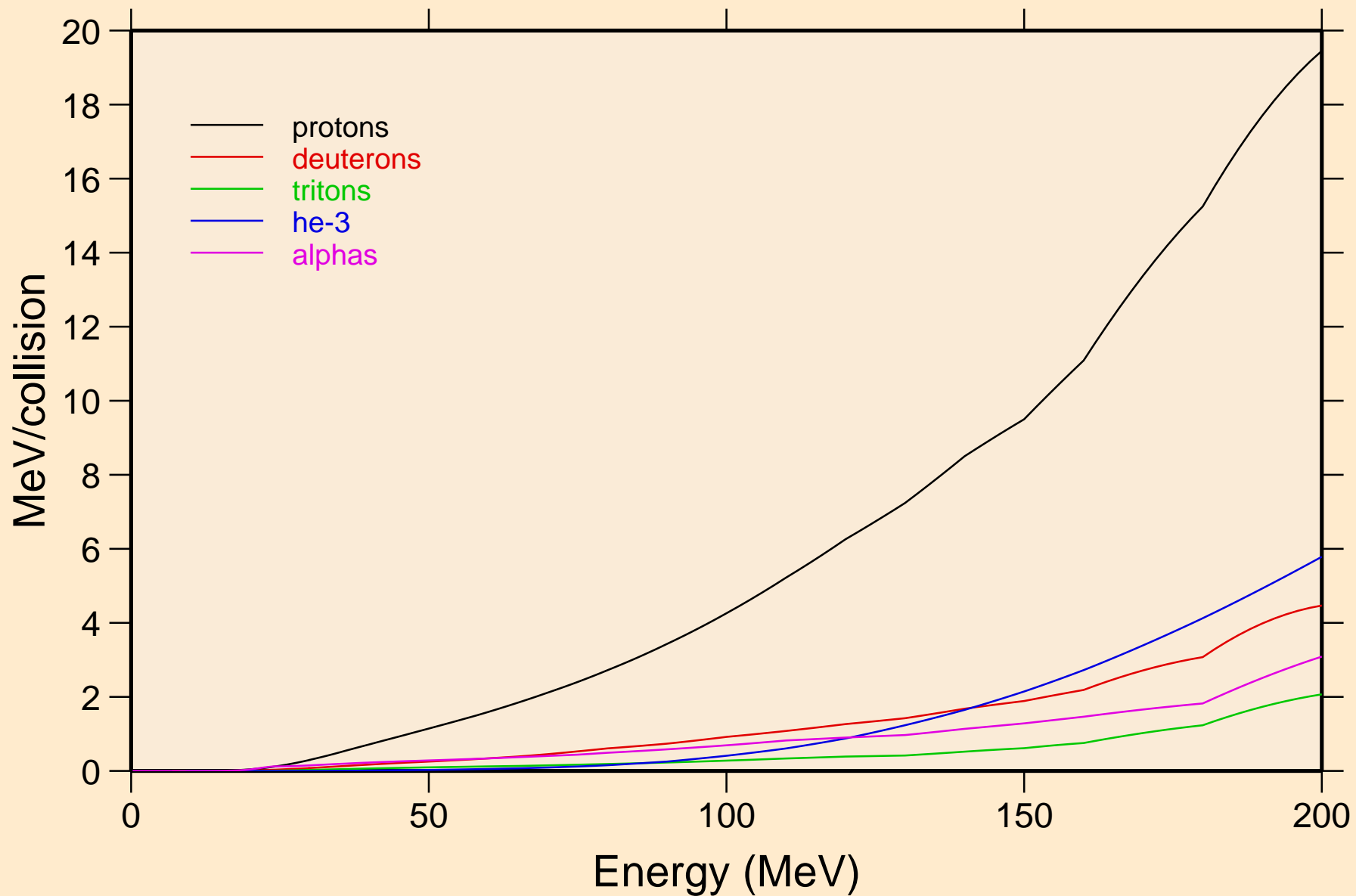


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

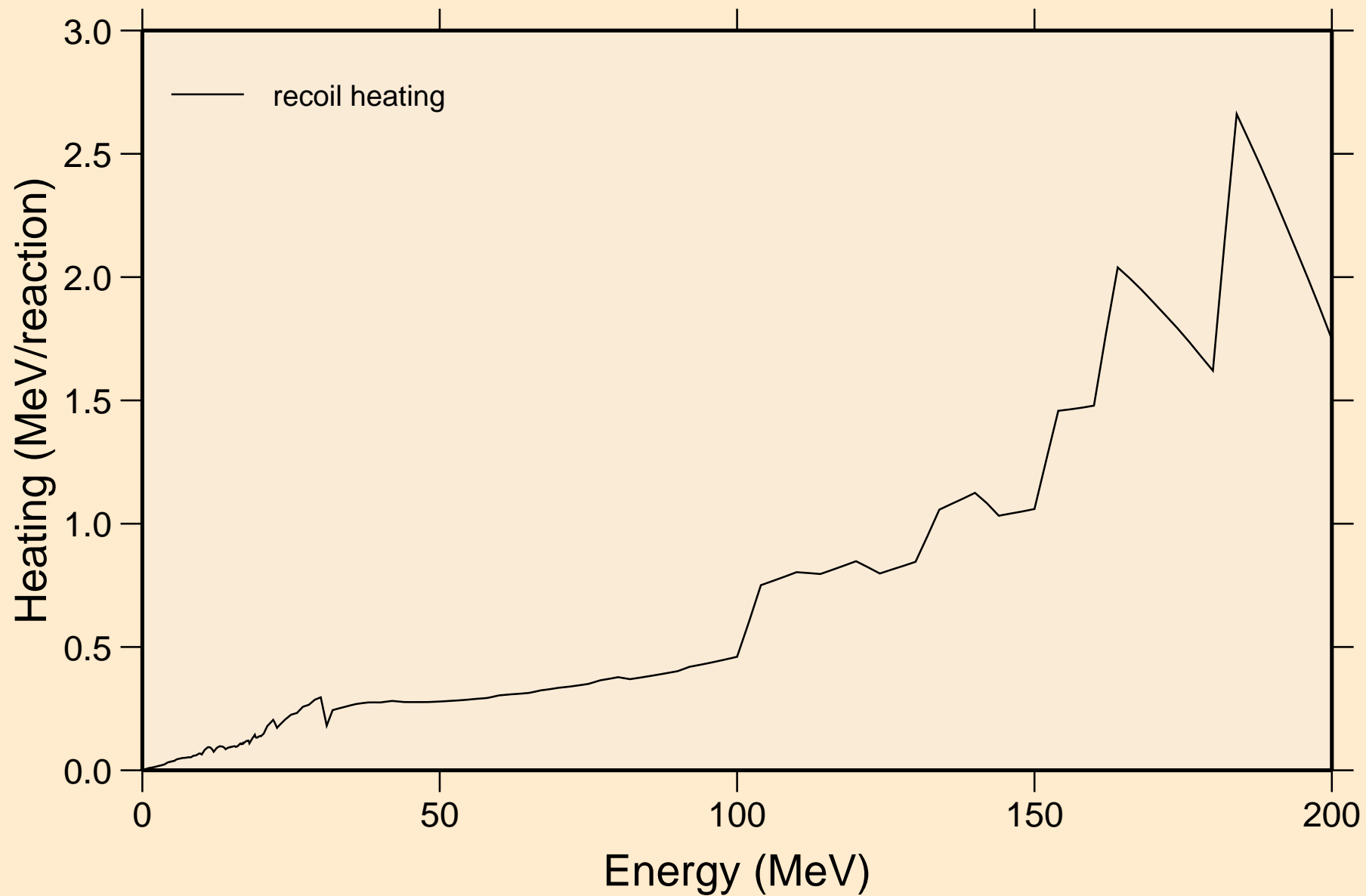


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

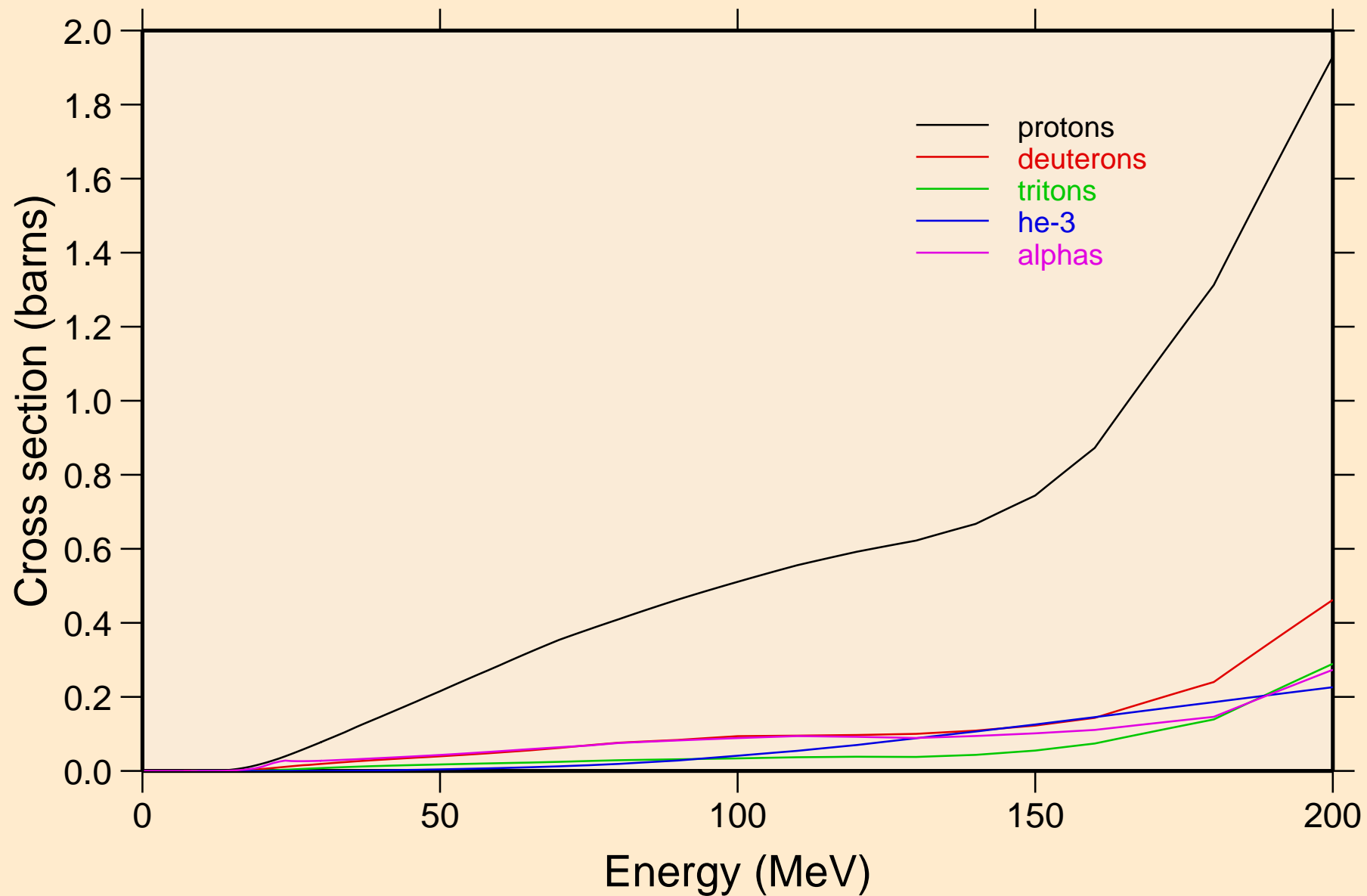


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

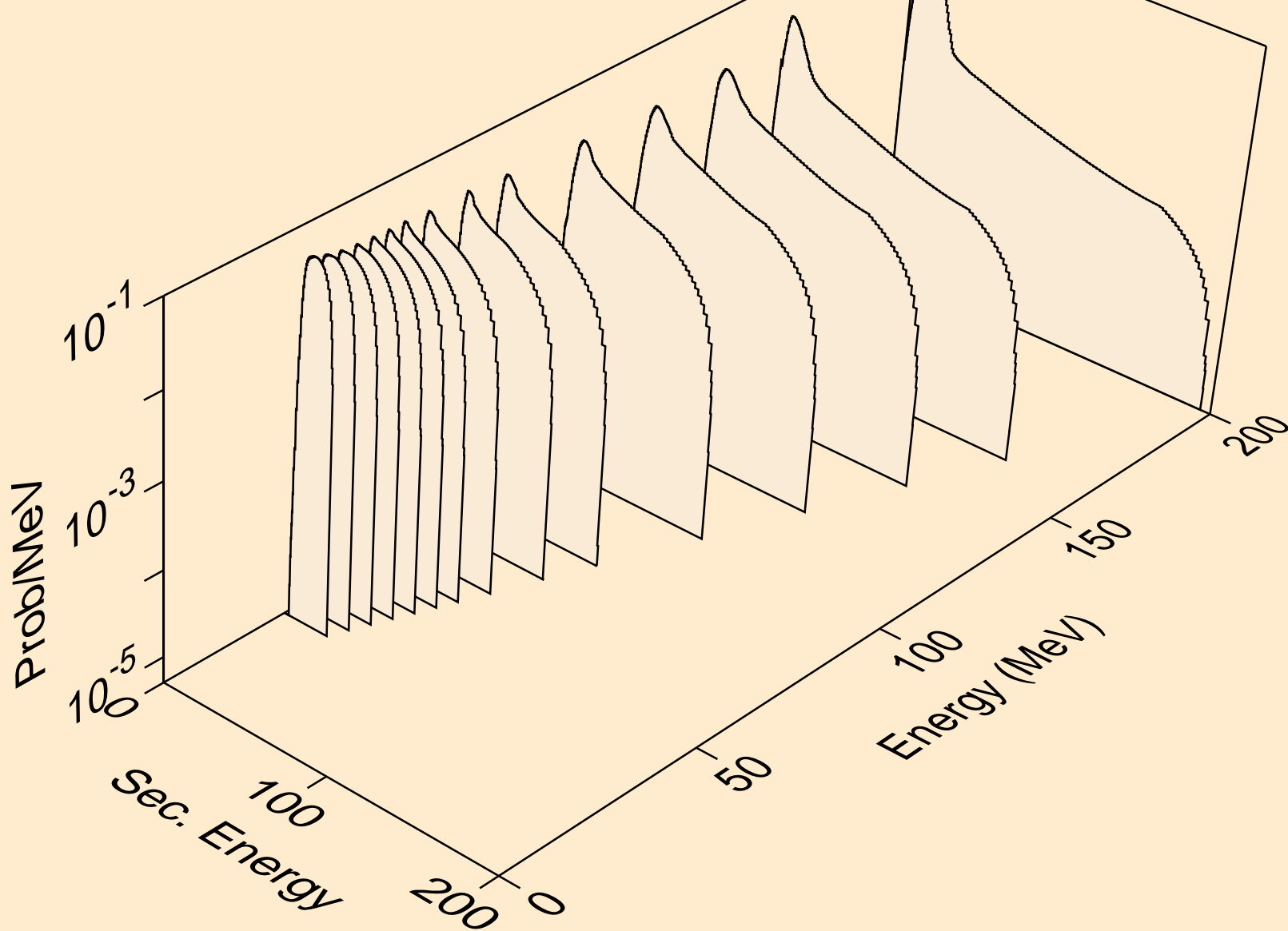


SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

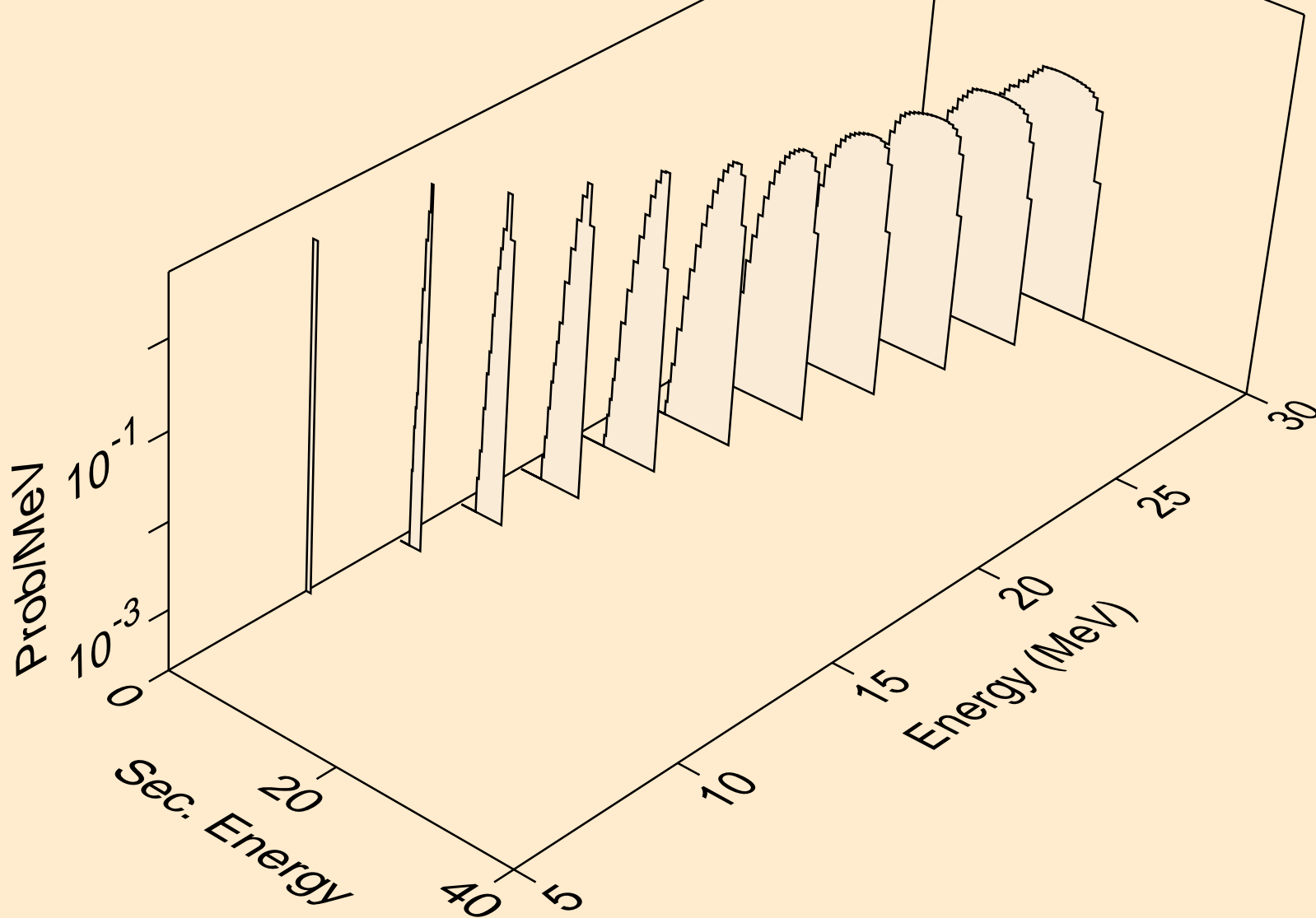
Particle production cross sections



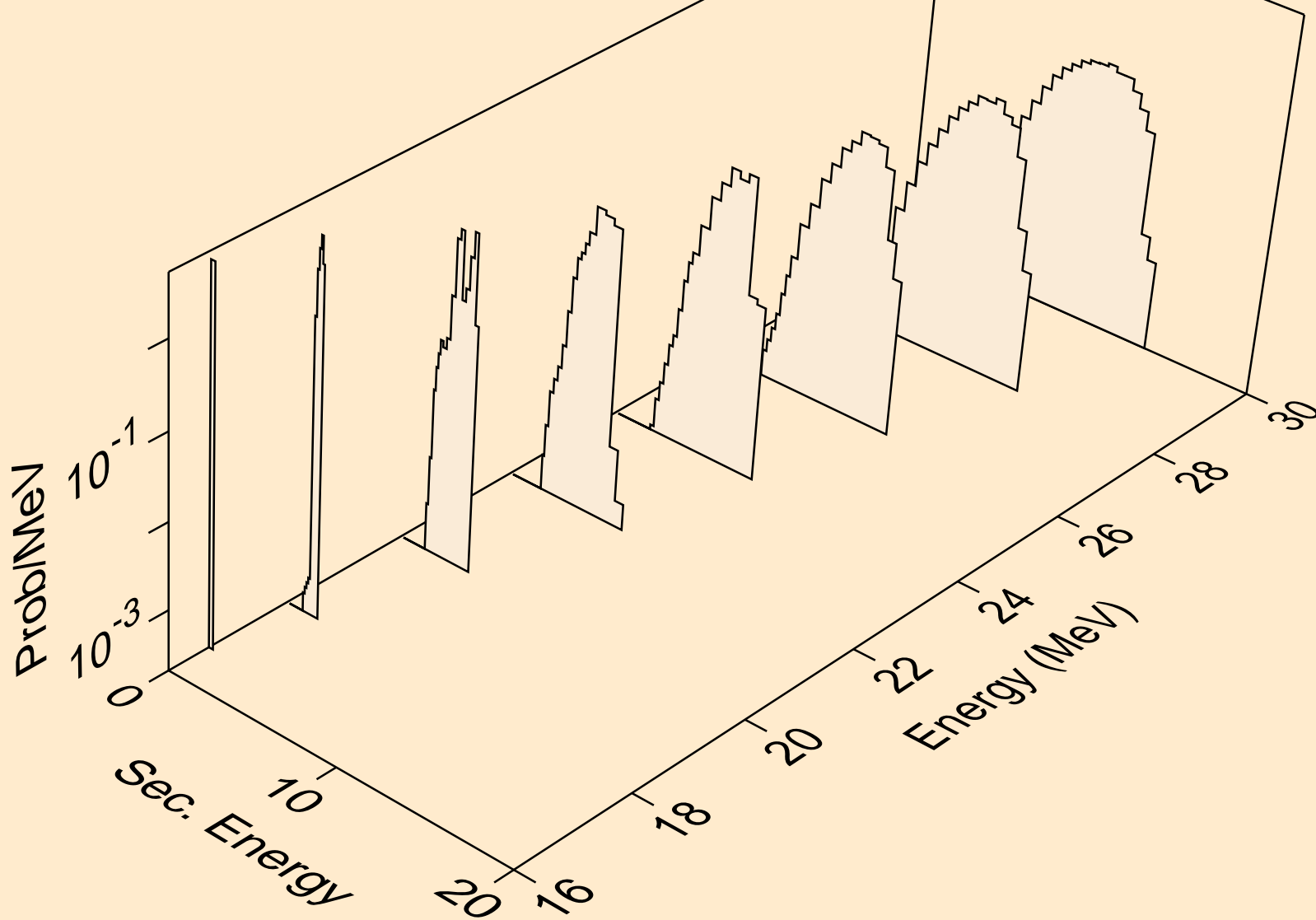
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



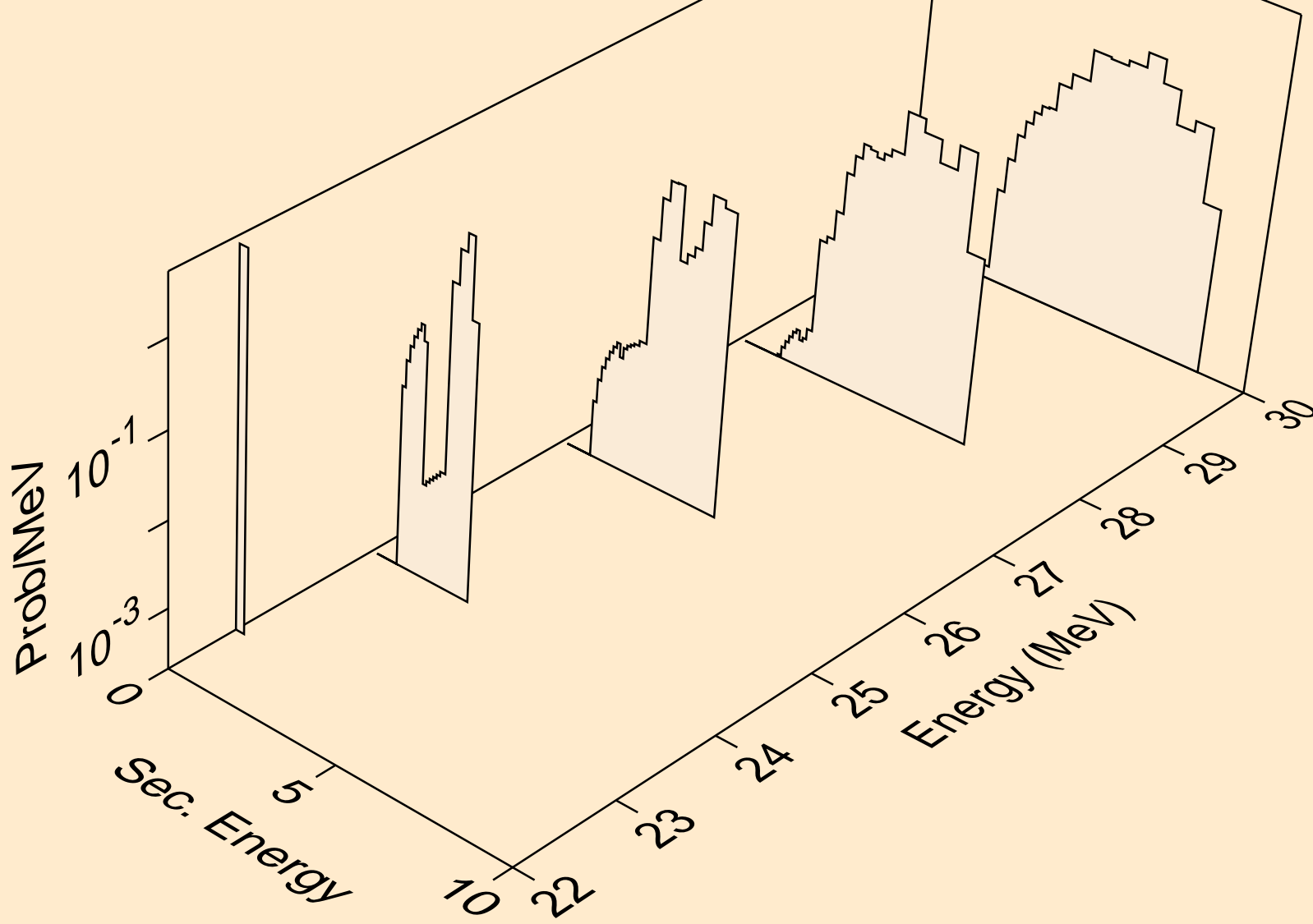
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



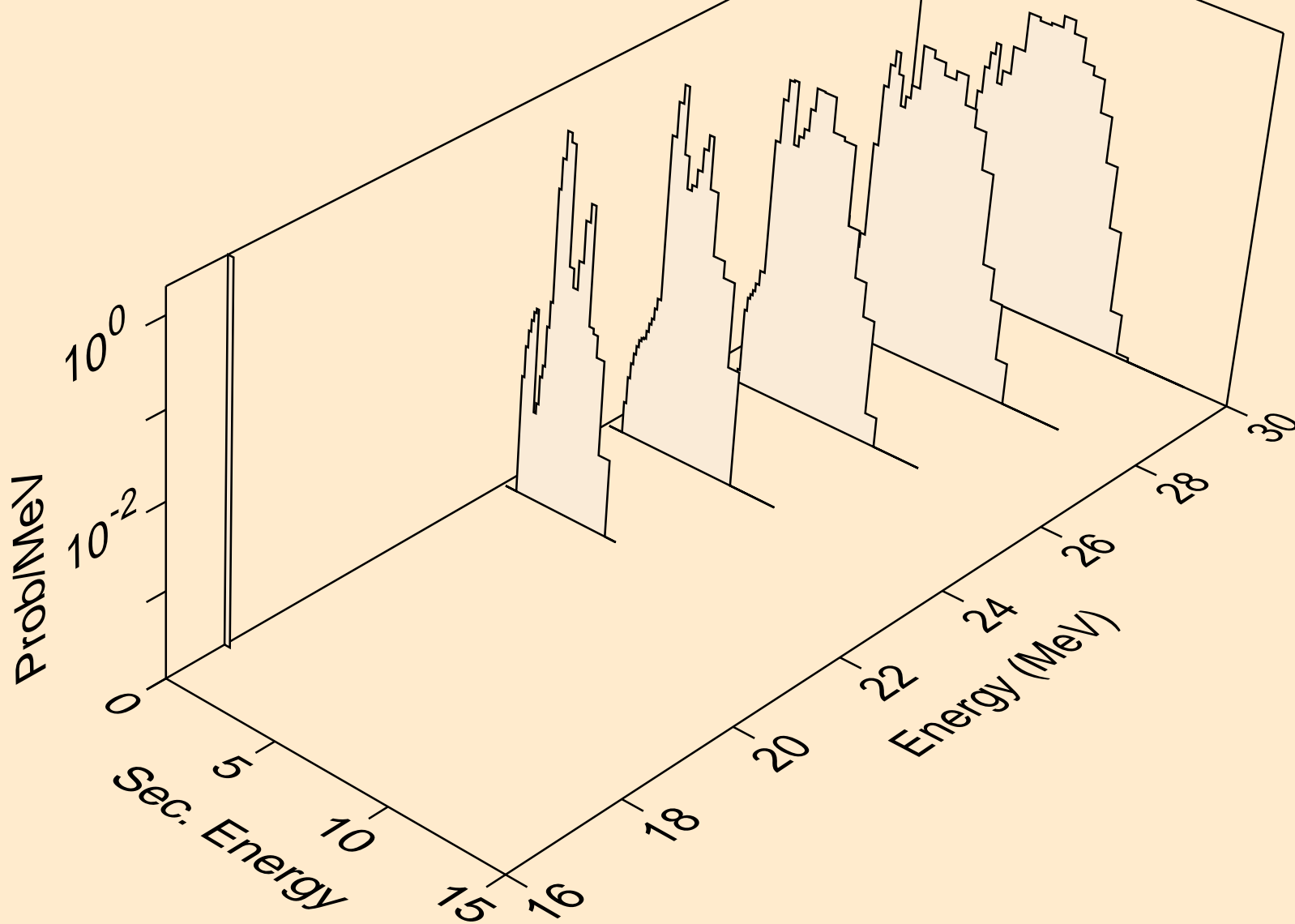
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



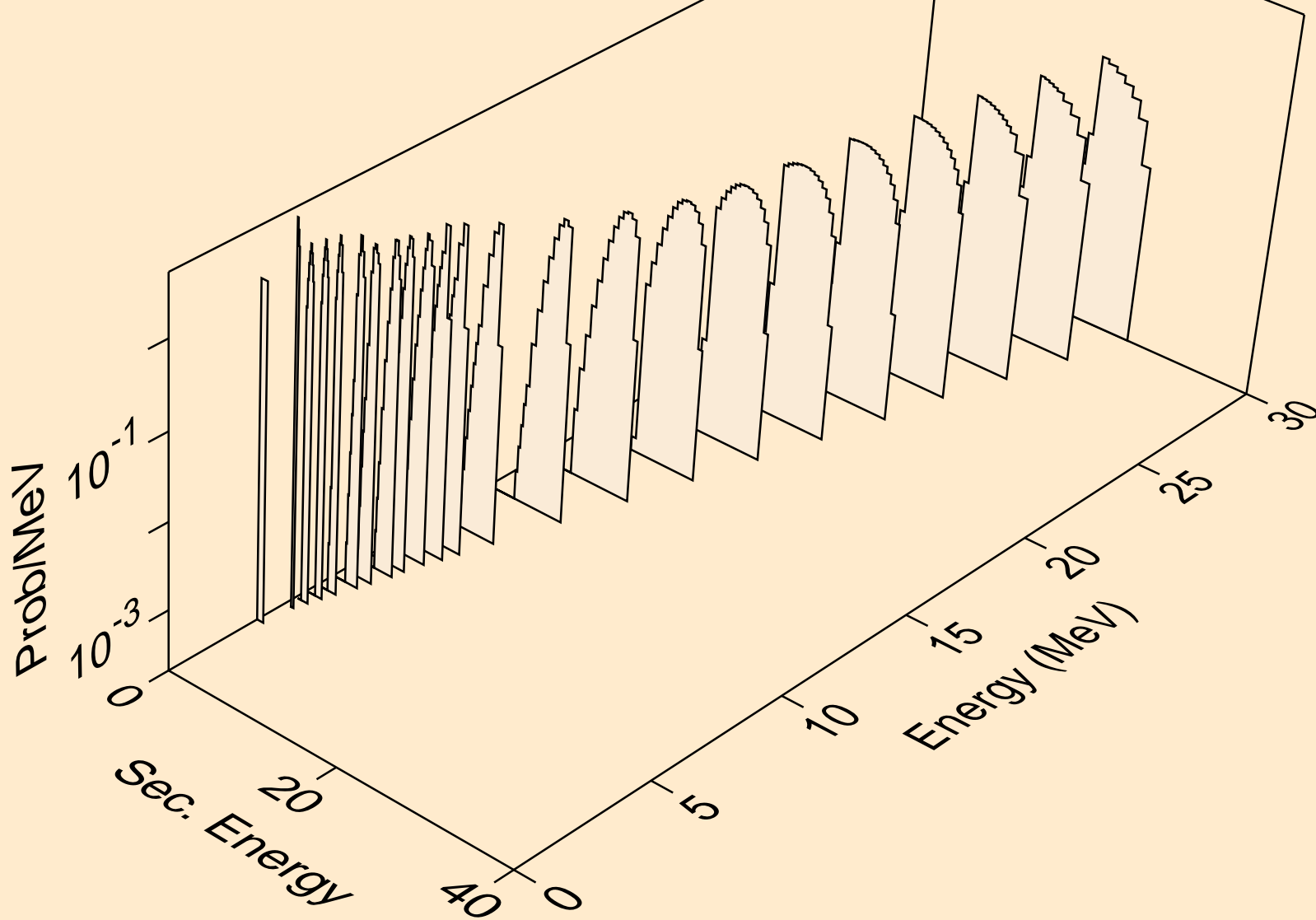
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



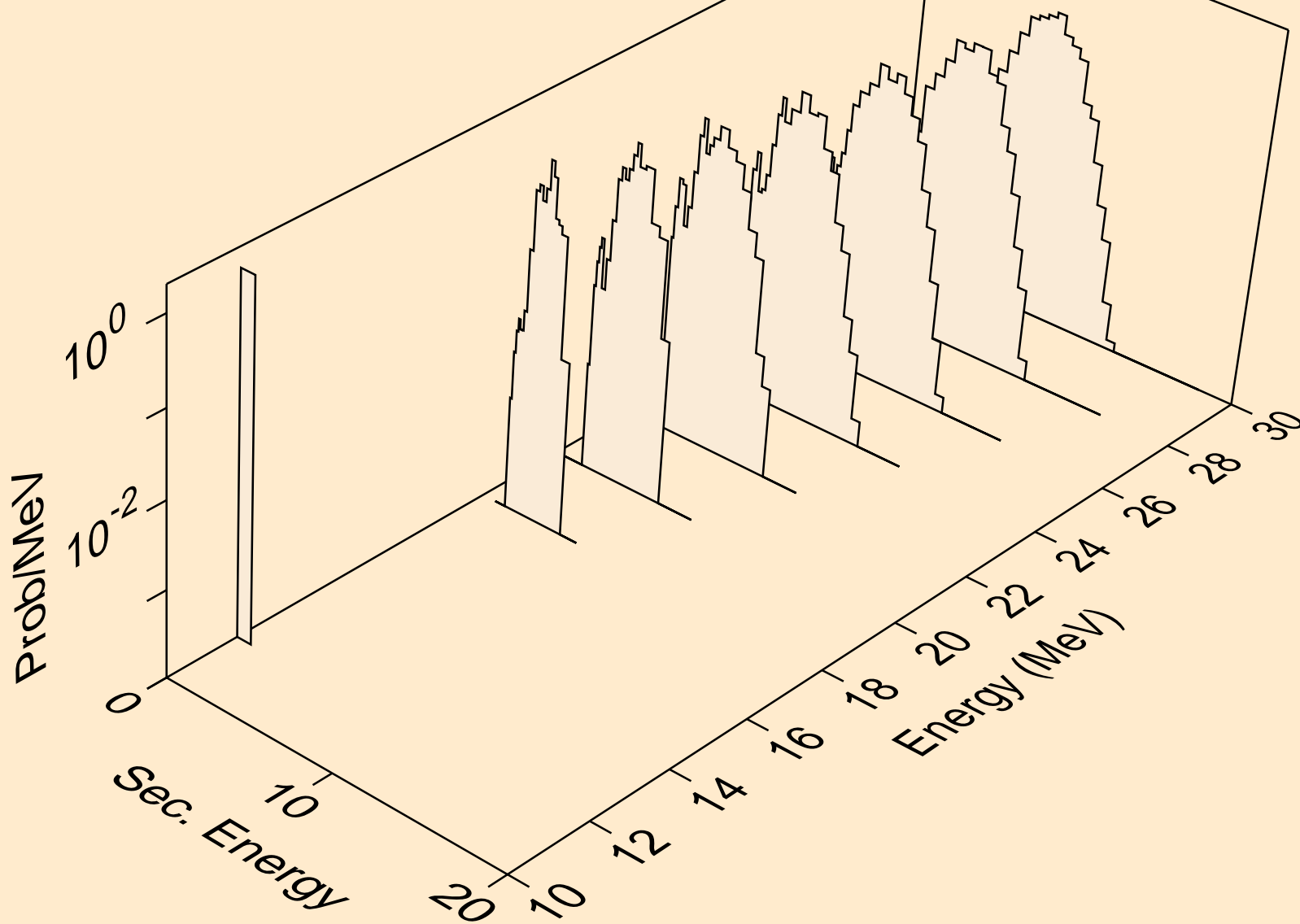
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



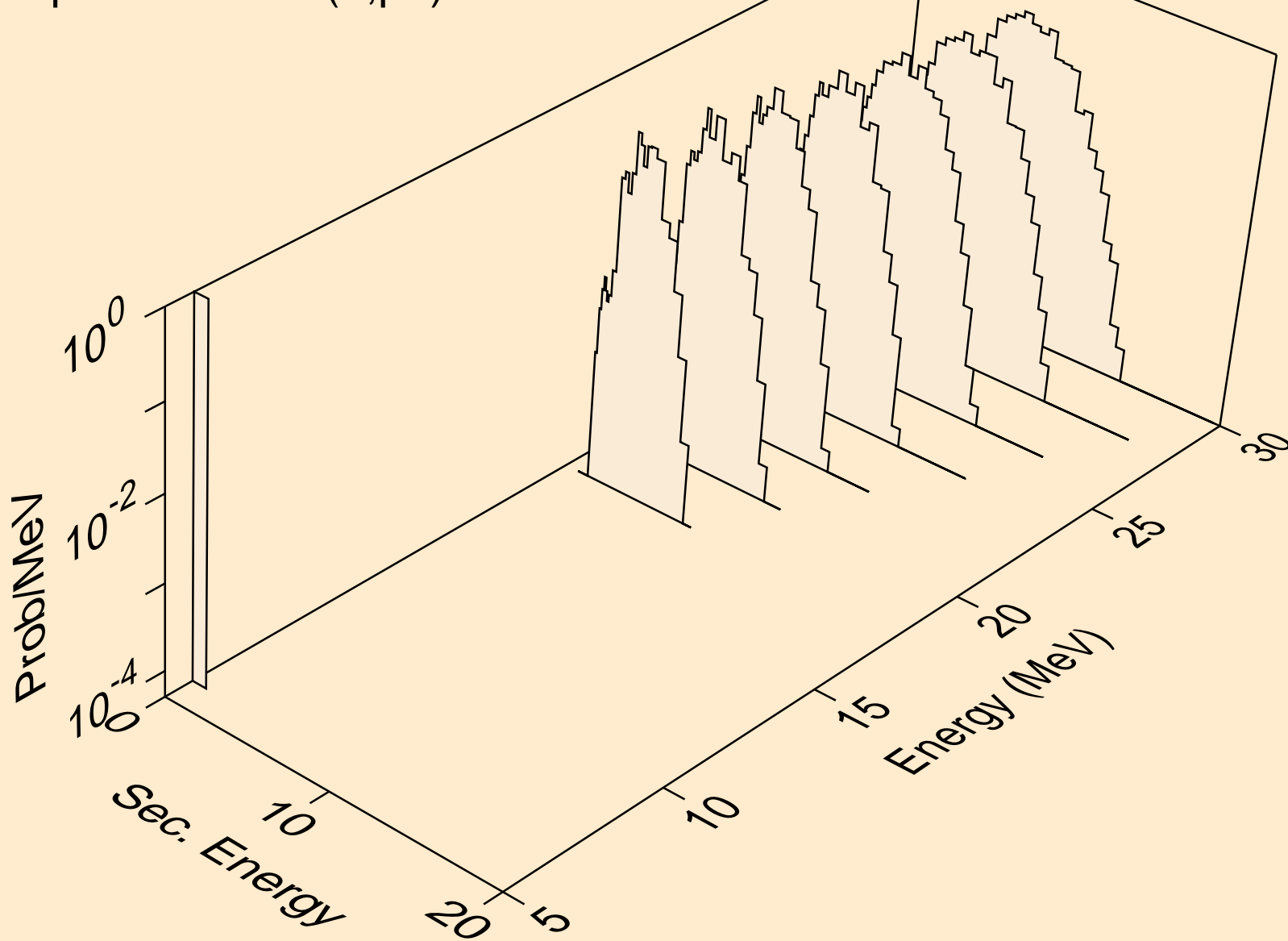
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



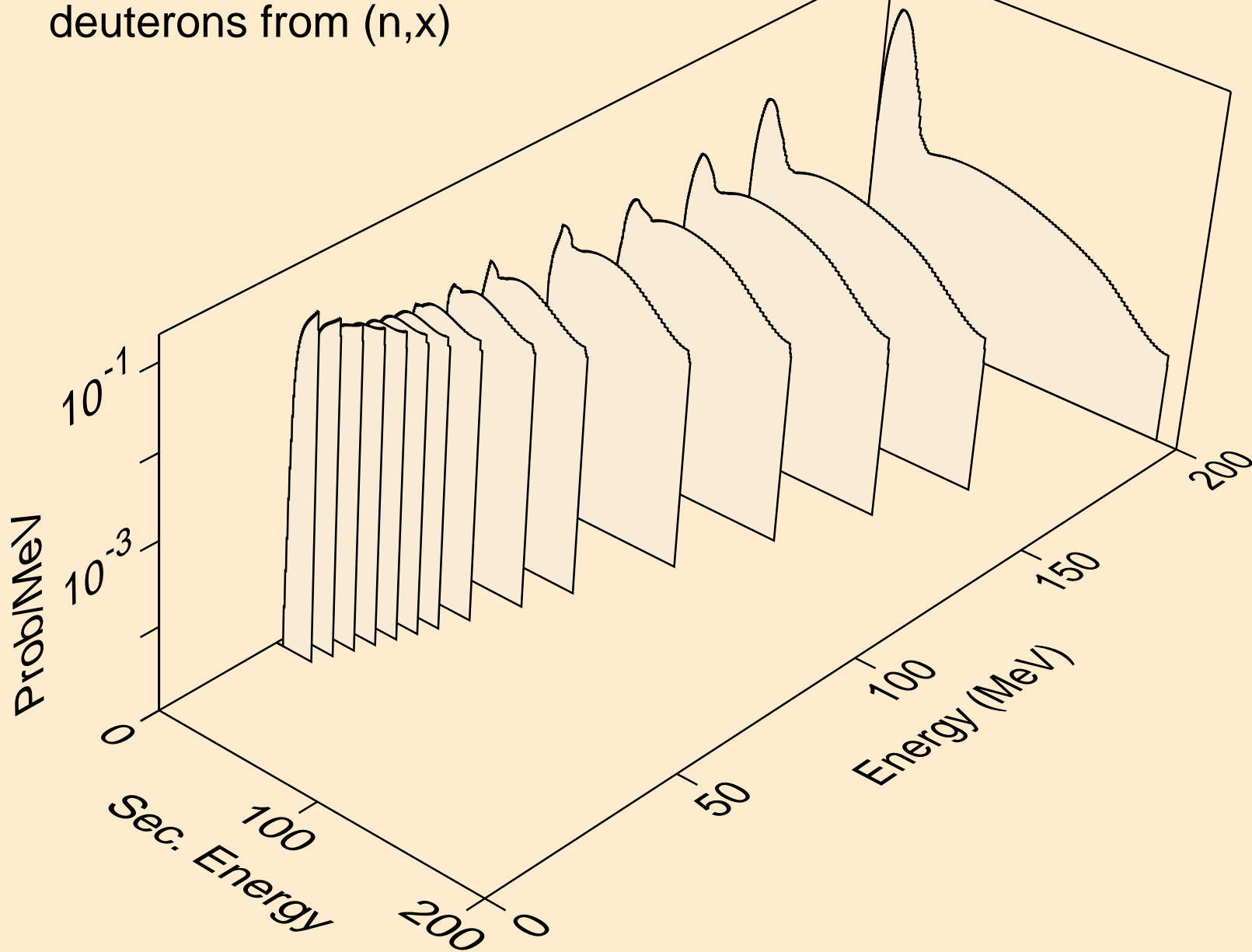
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



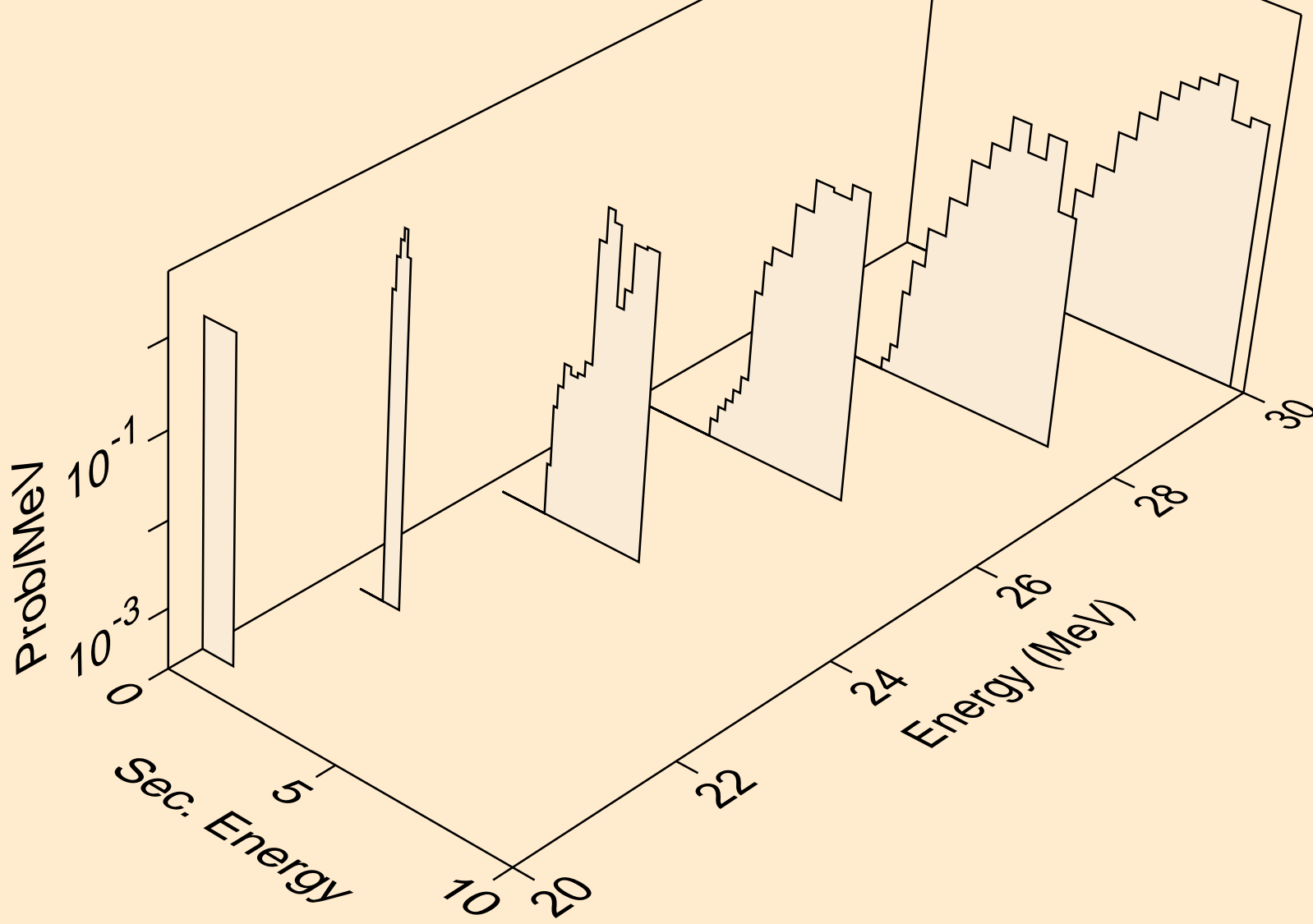
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



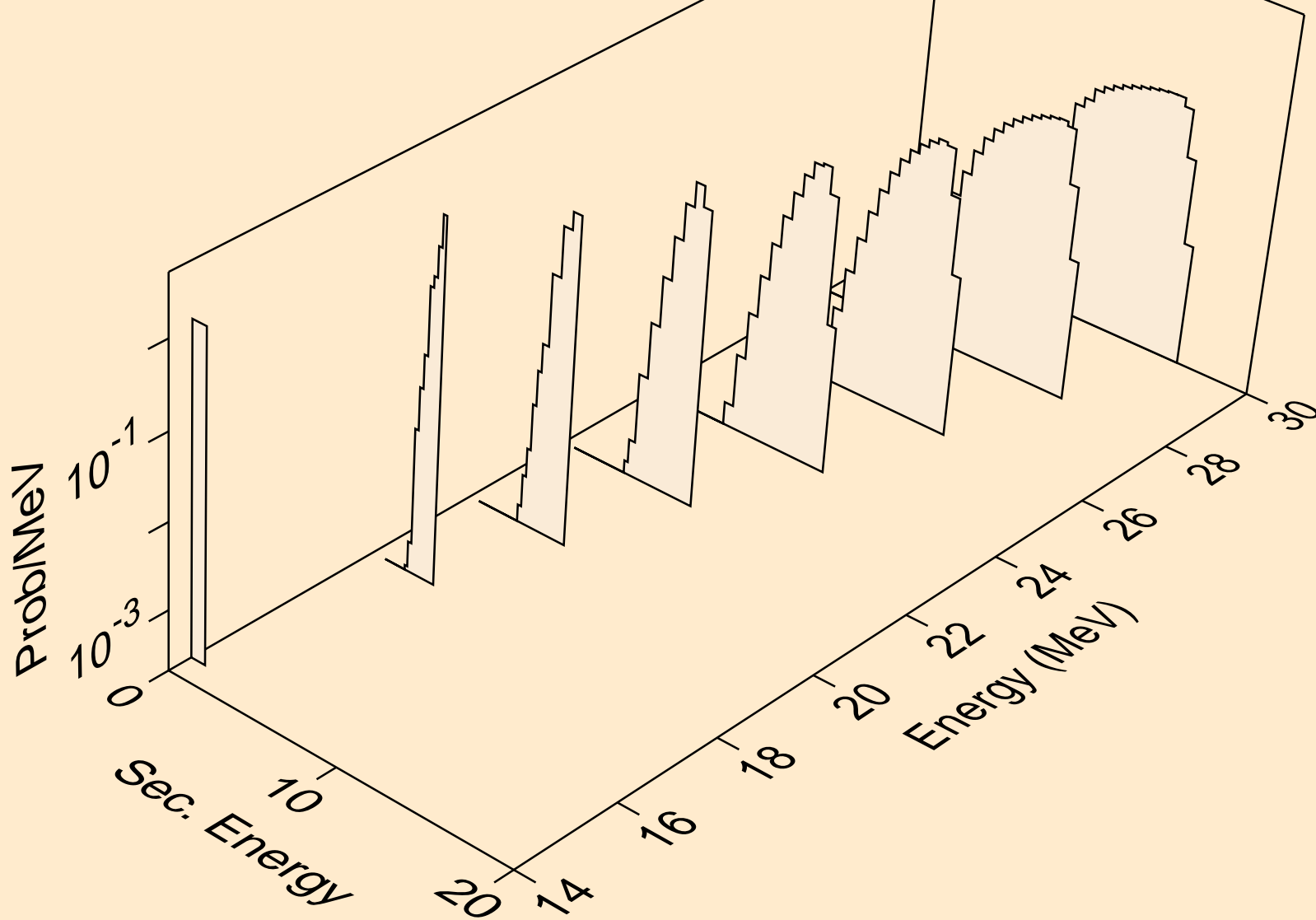
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



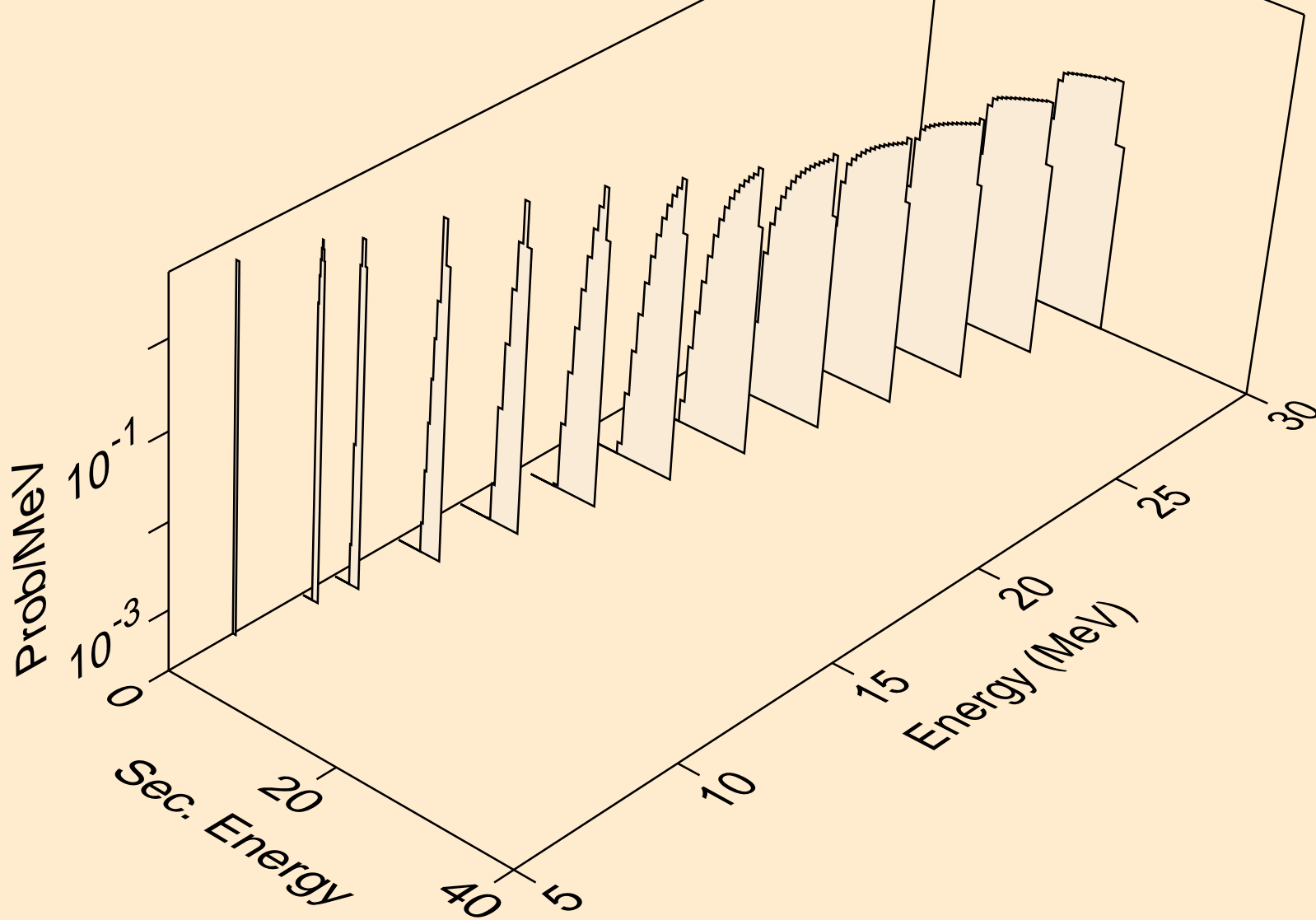
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



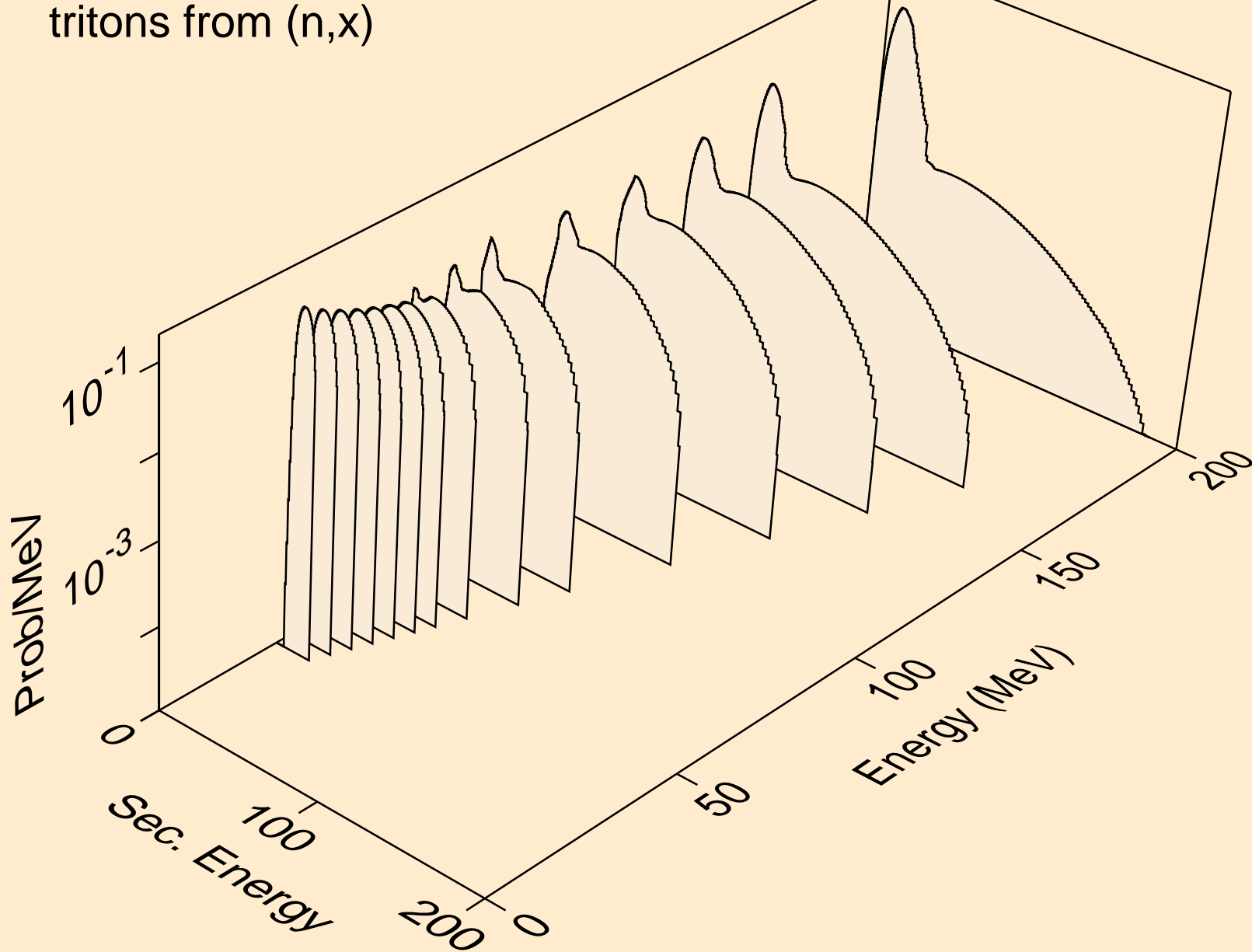
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



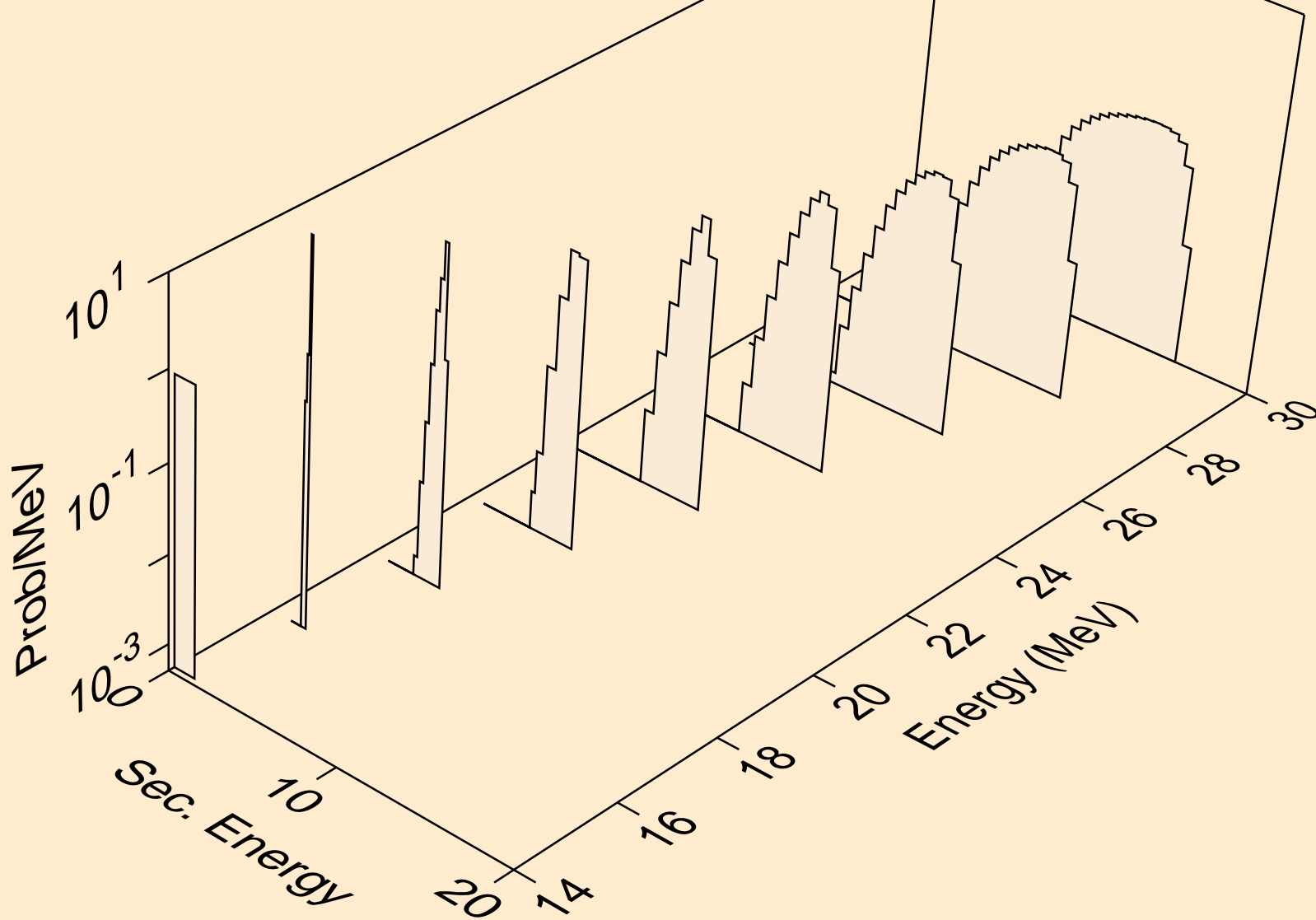
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



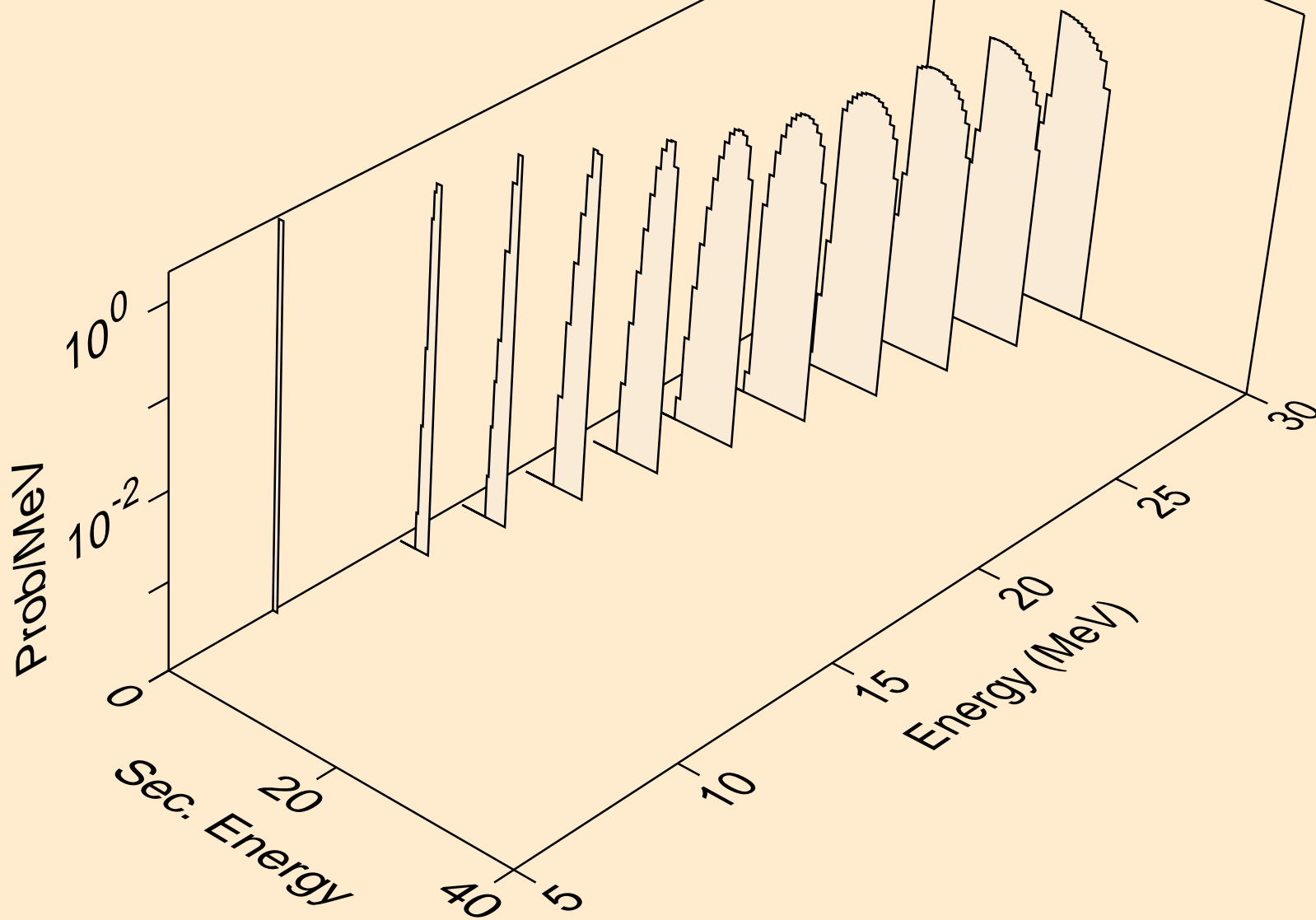
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



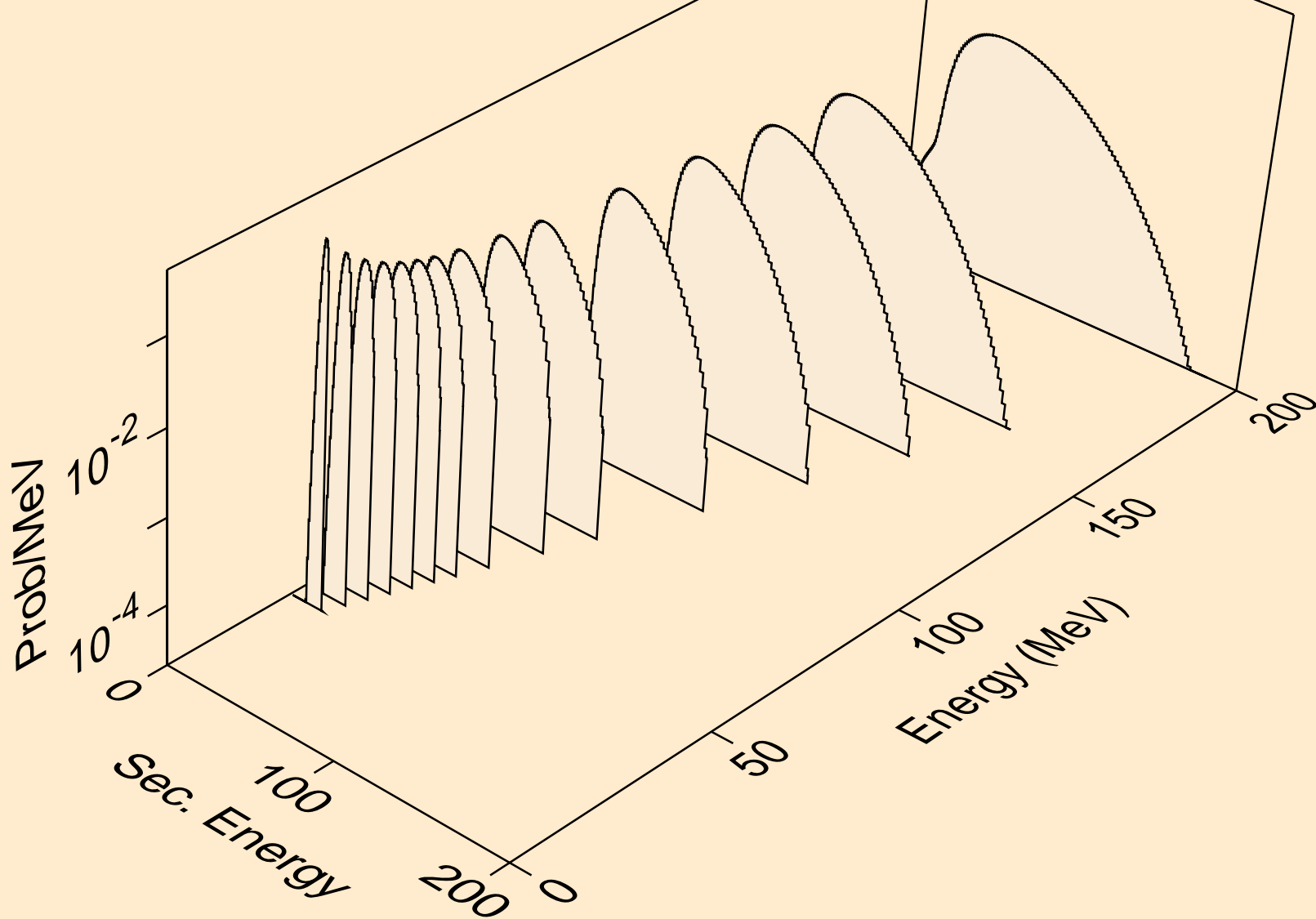
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



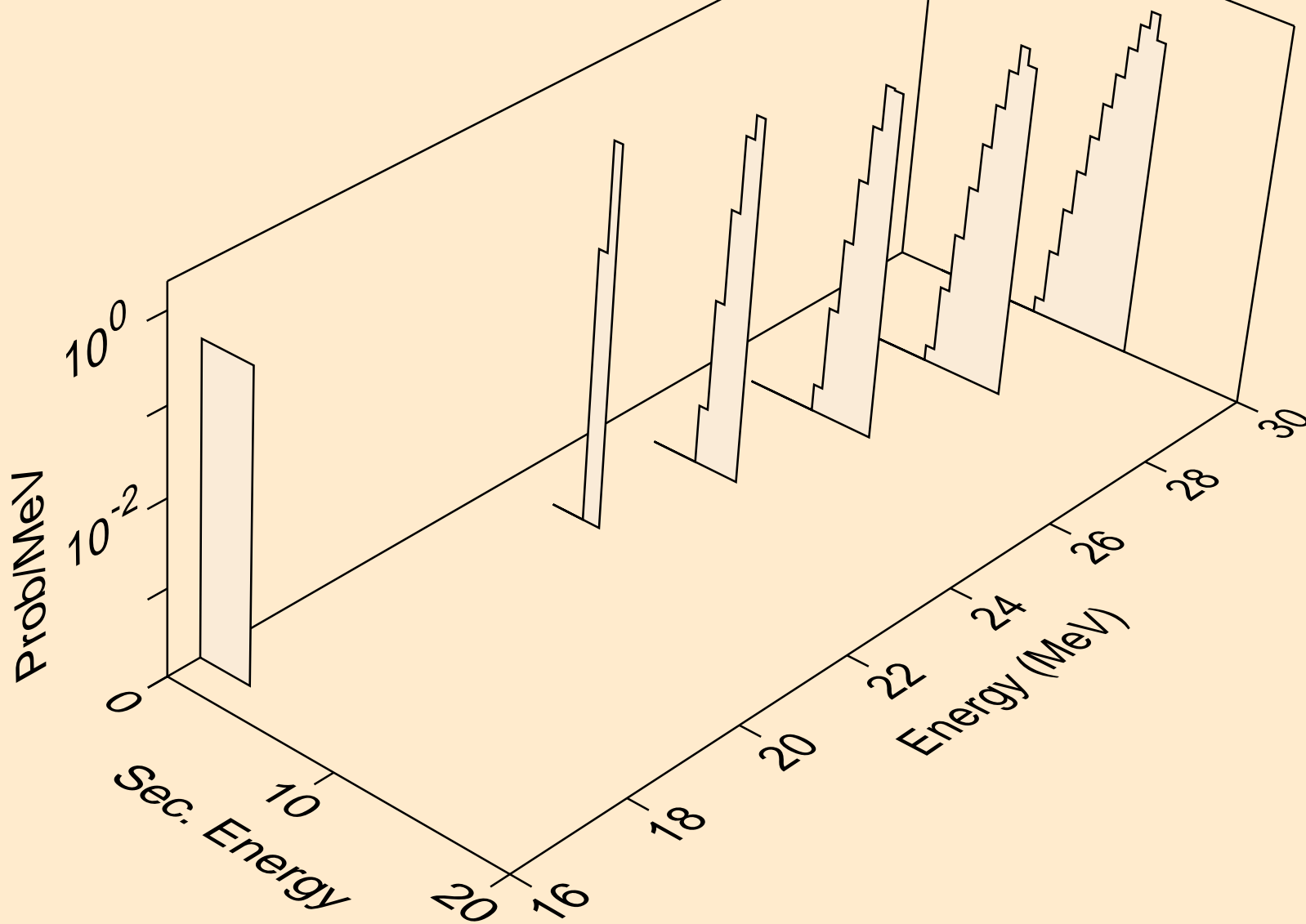
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



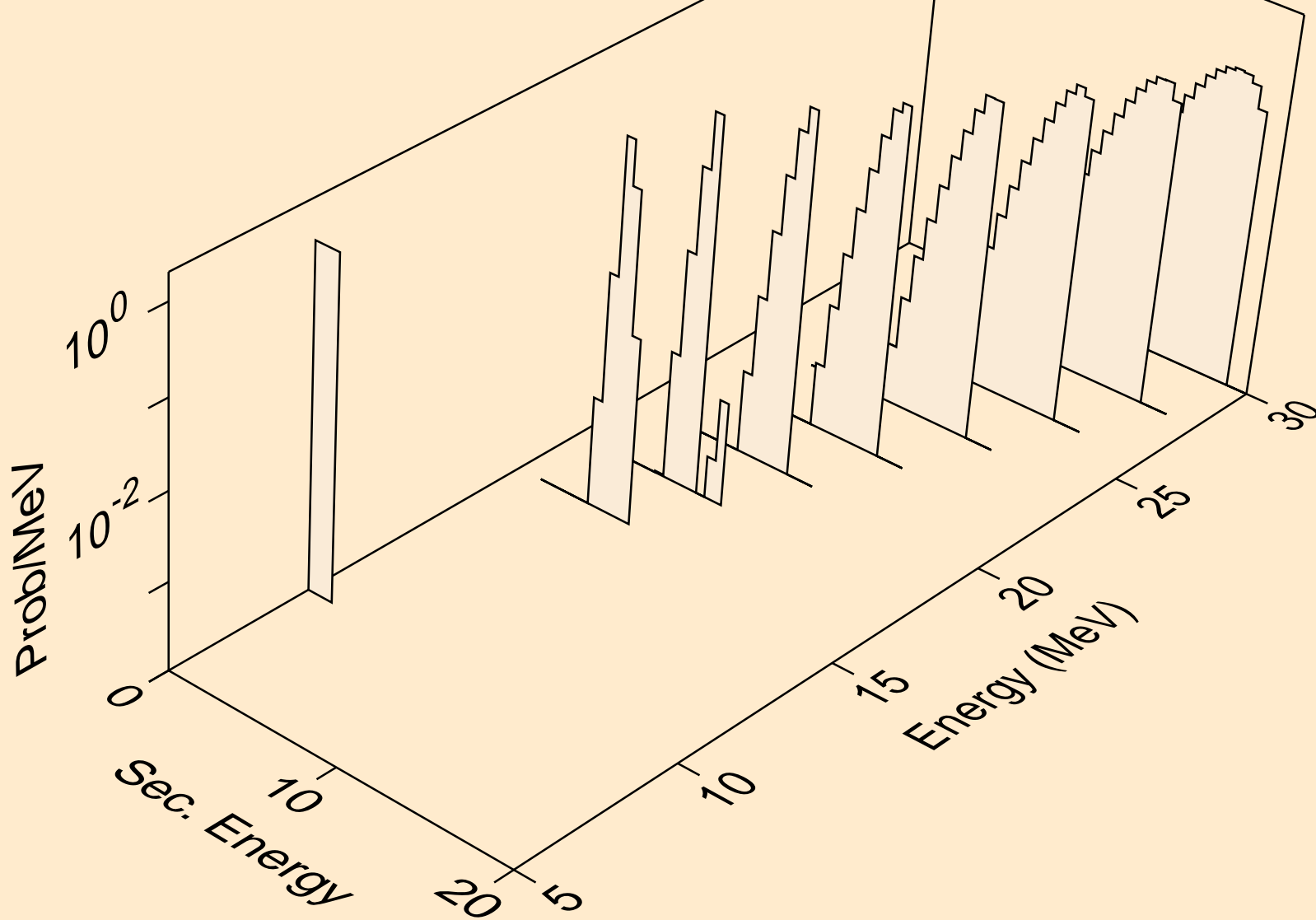
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



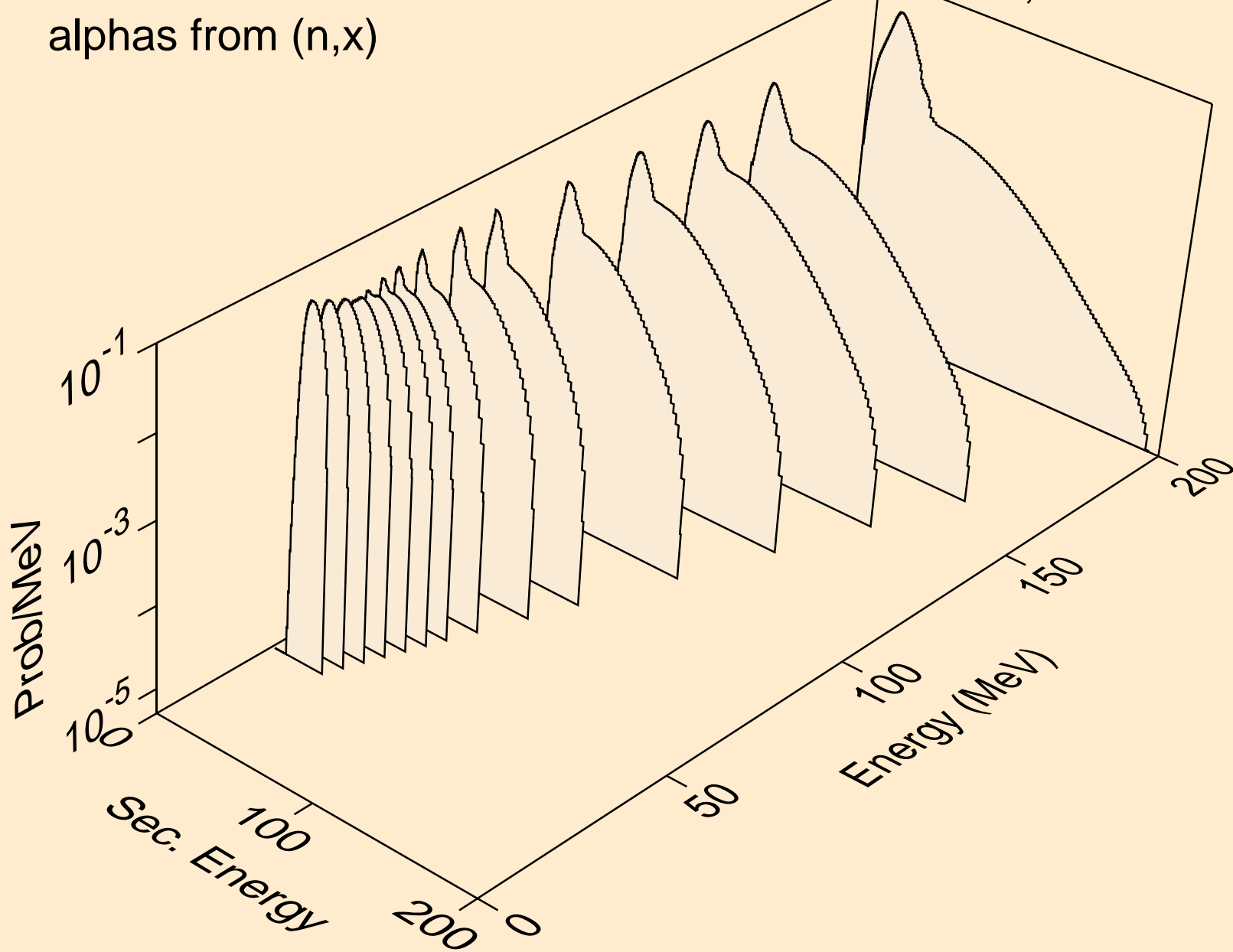
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



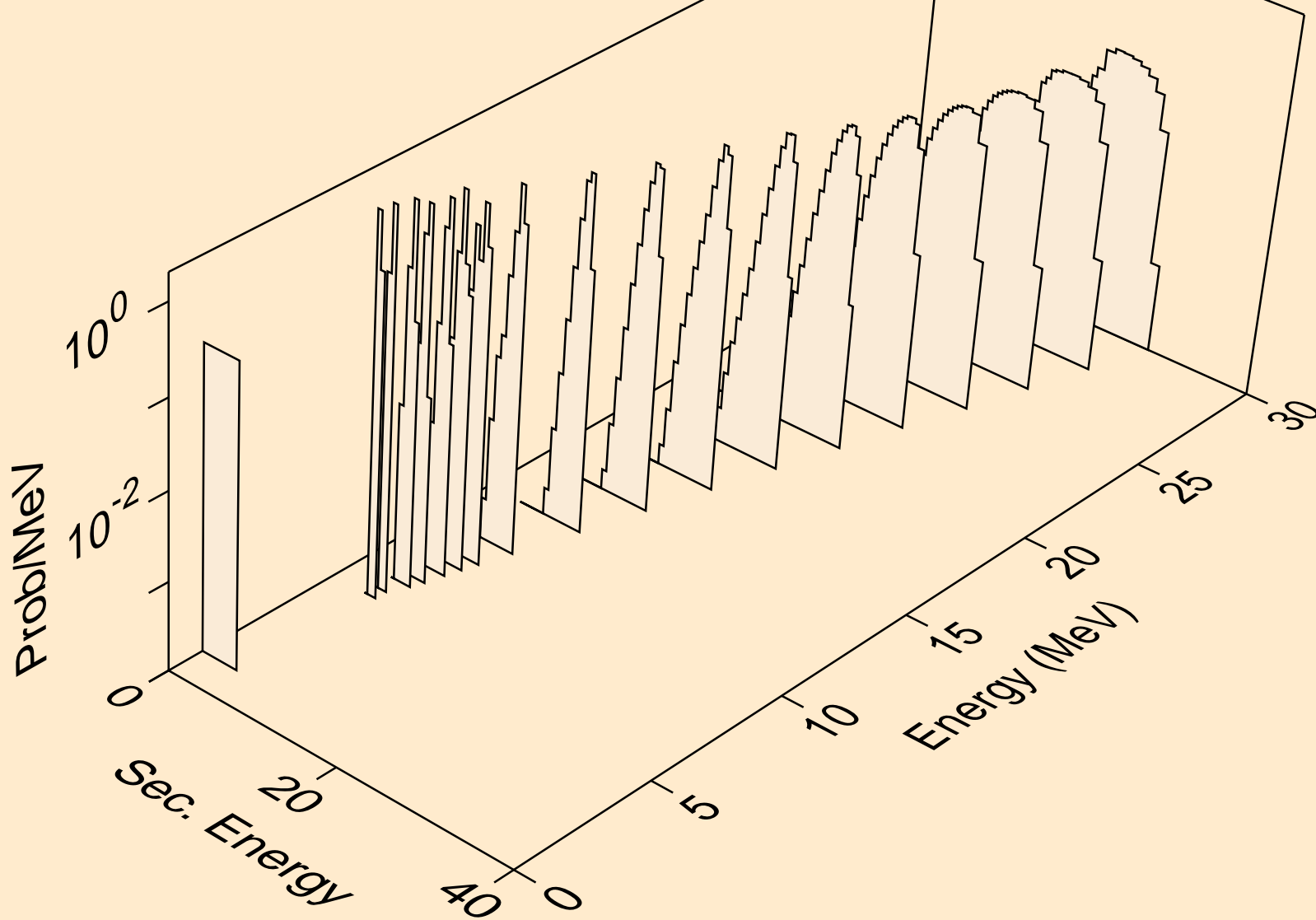
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



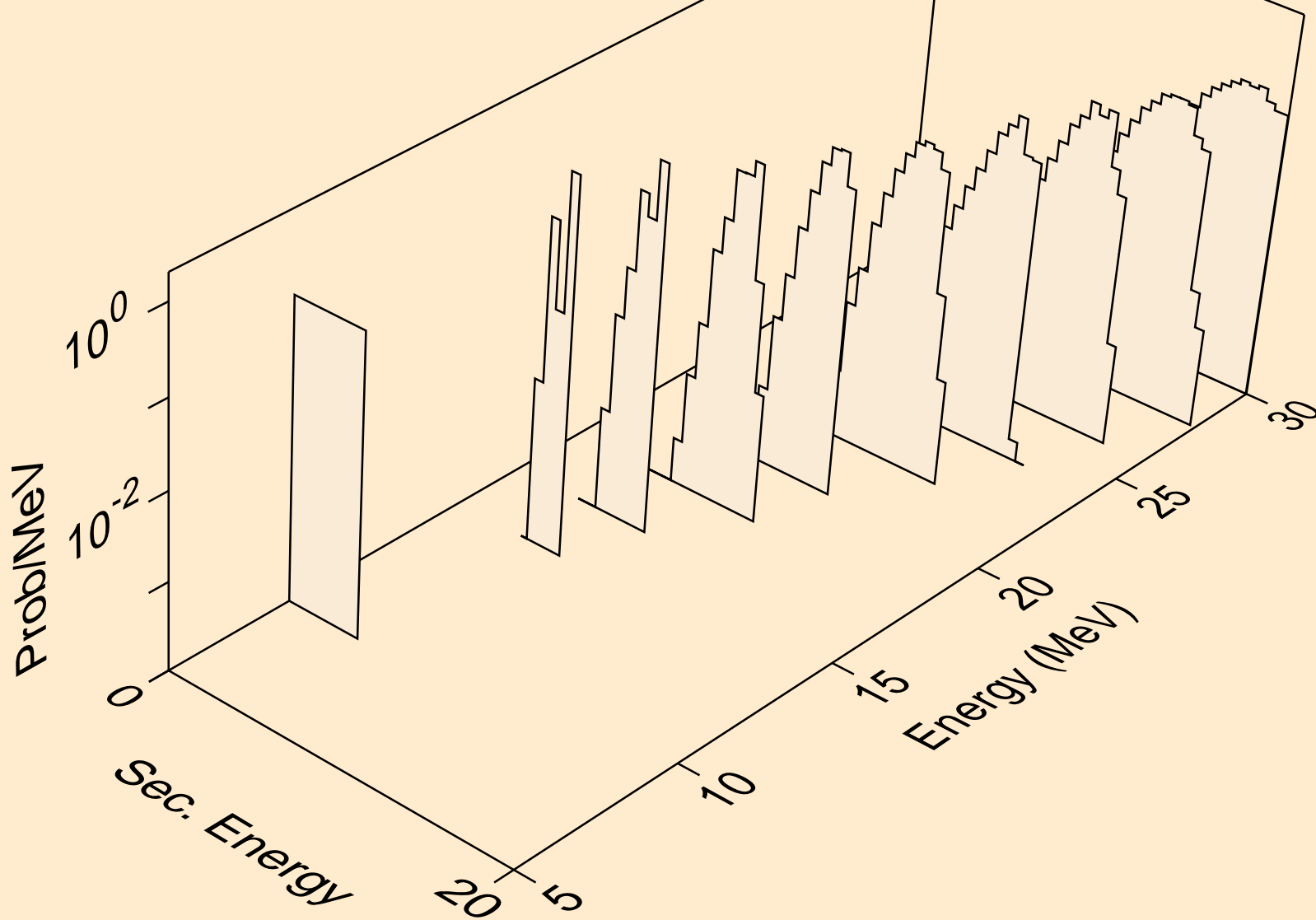
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



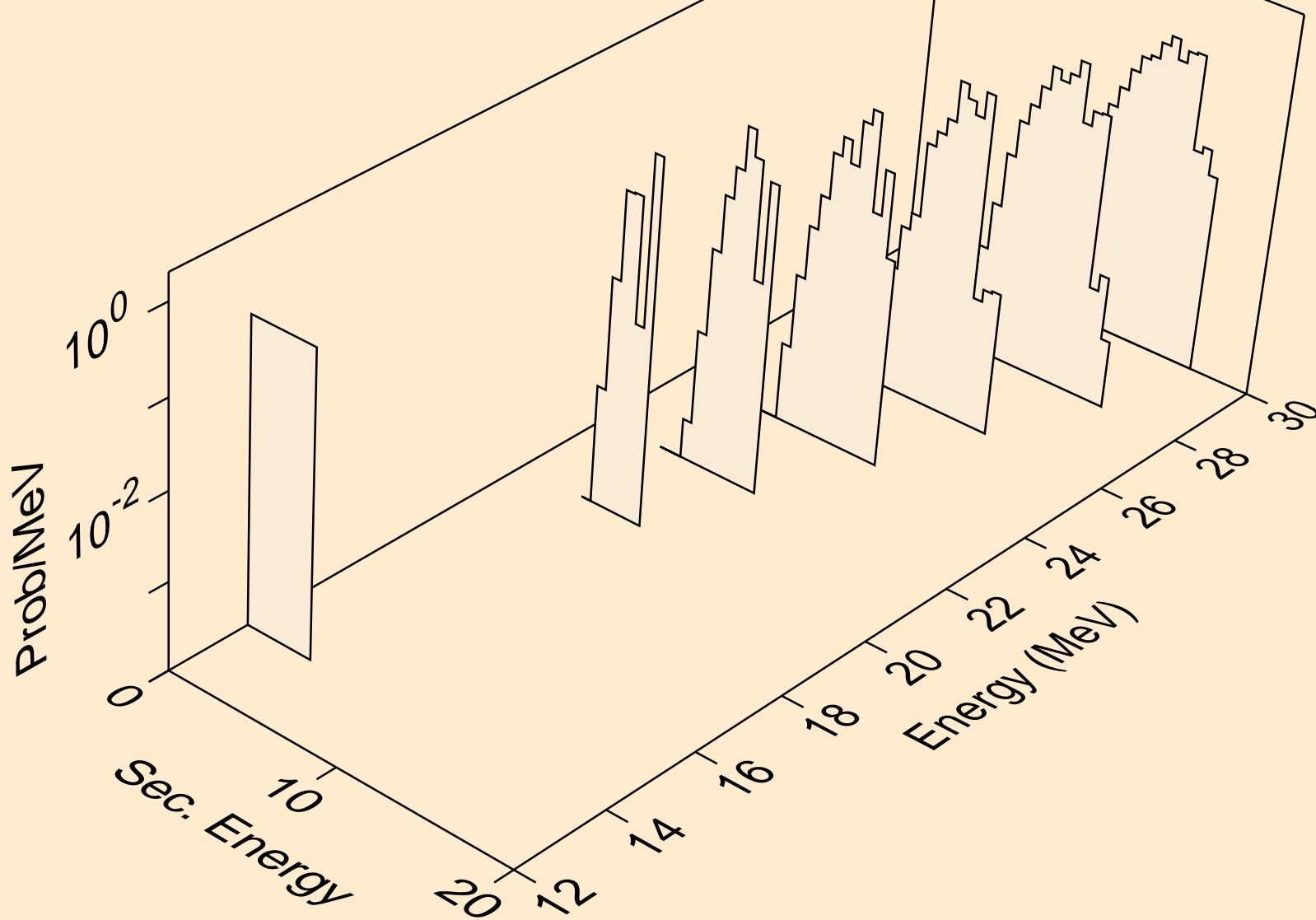
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



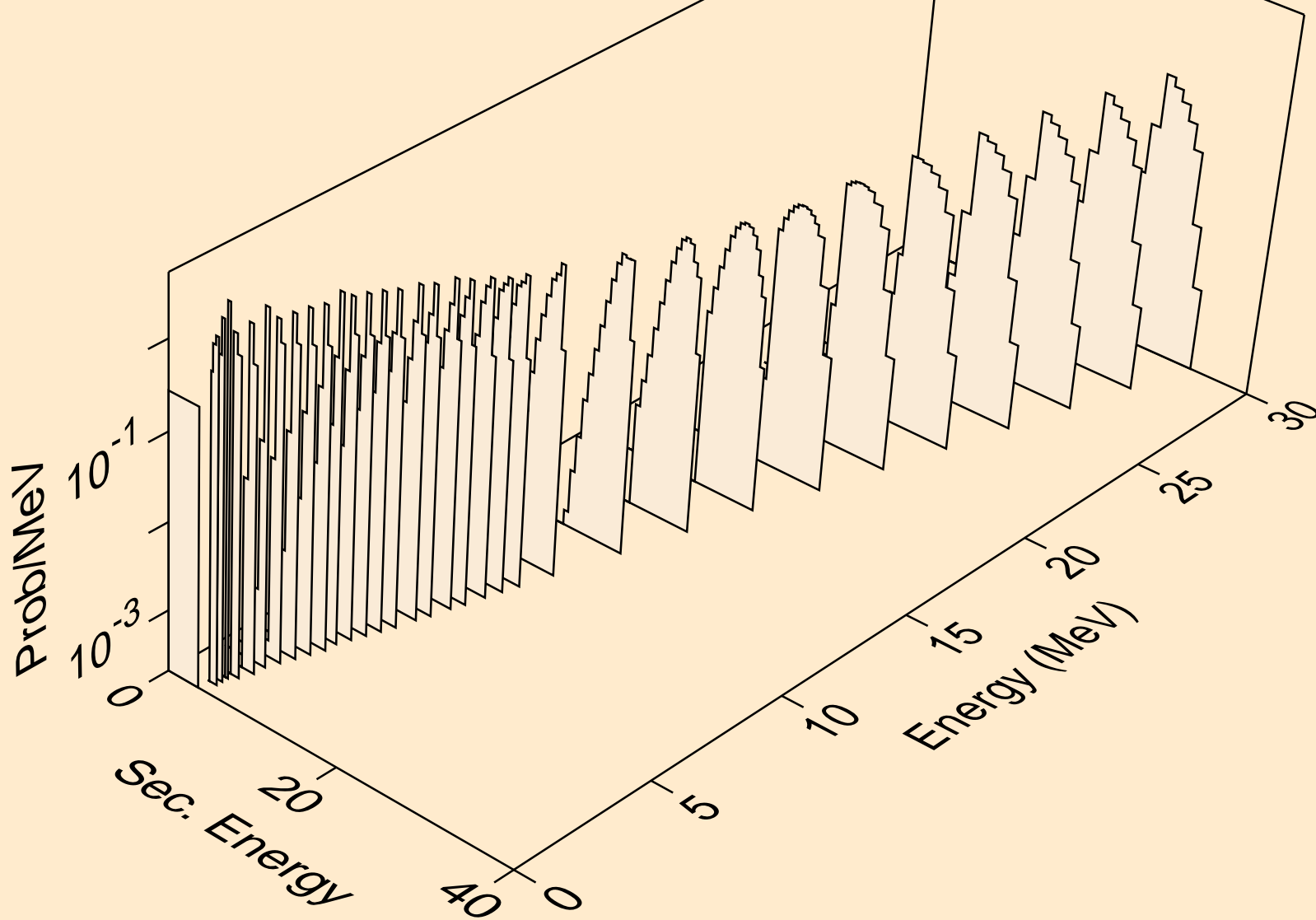
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



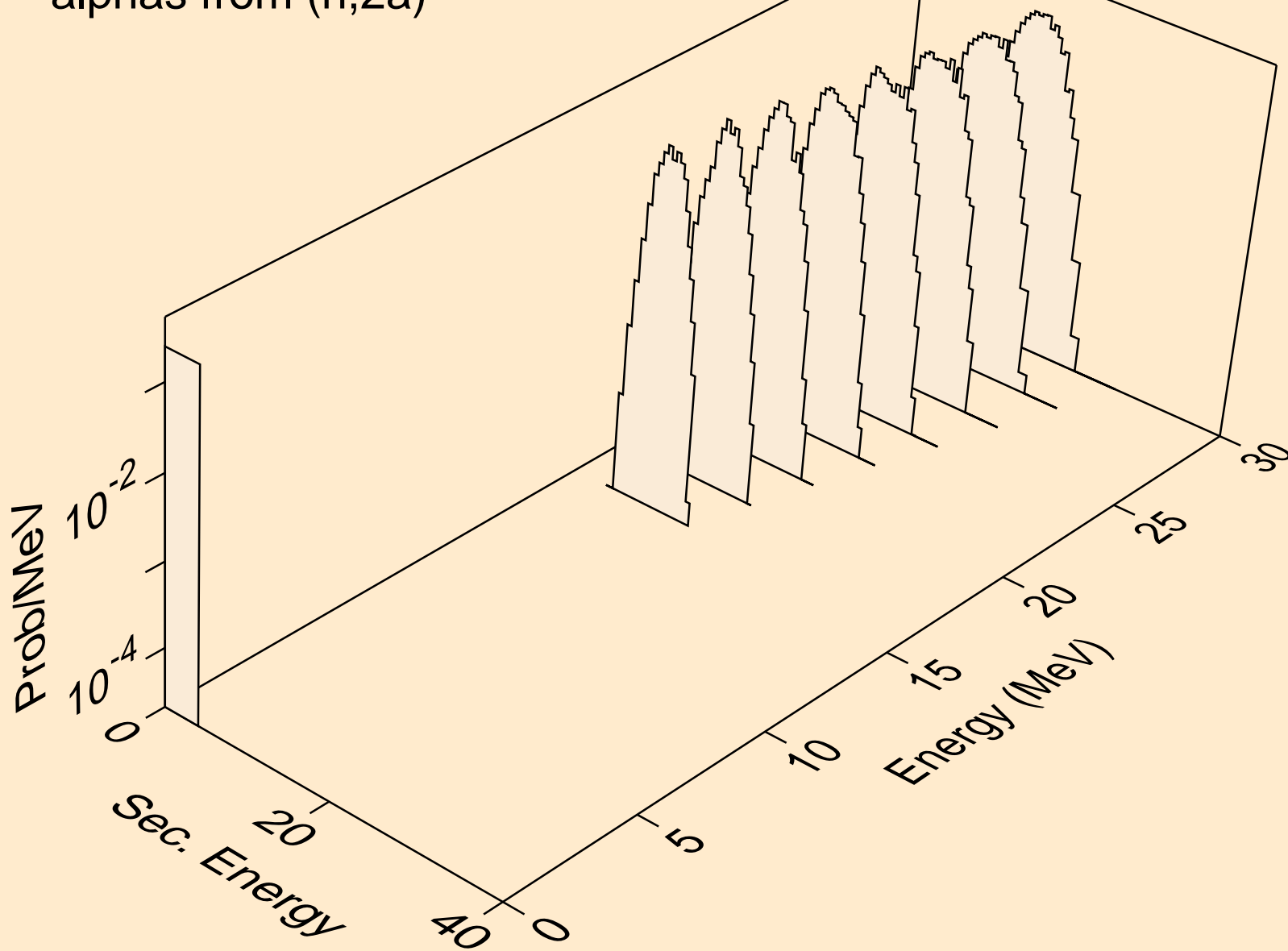
SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



SM154 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)

