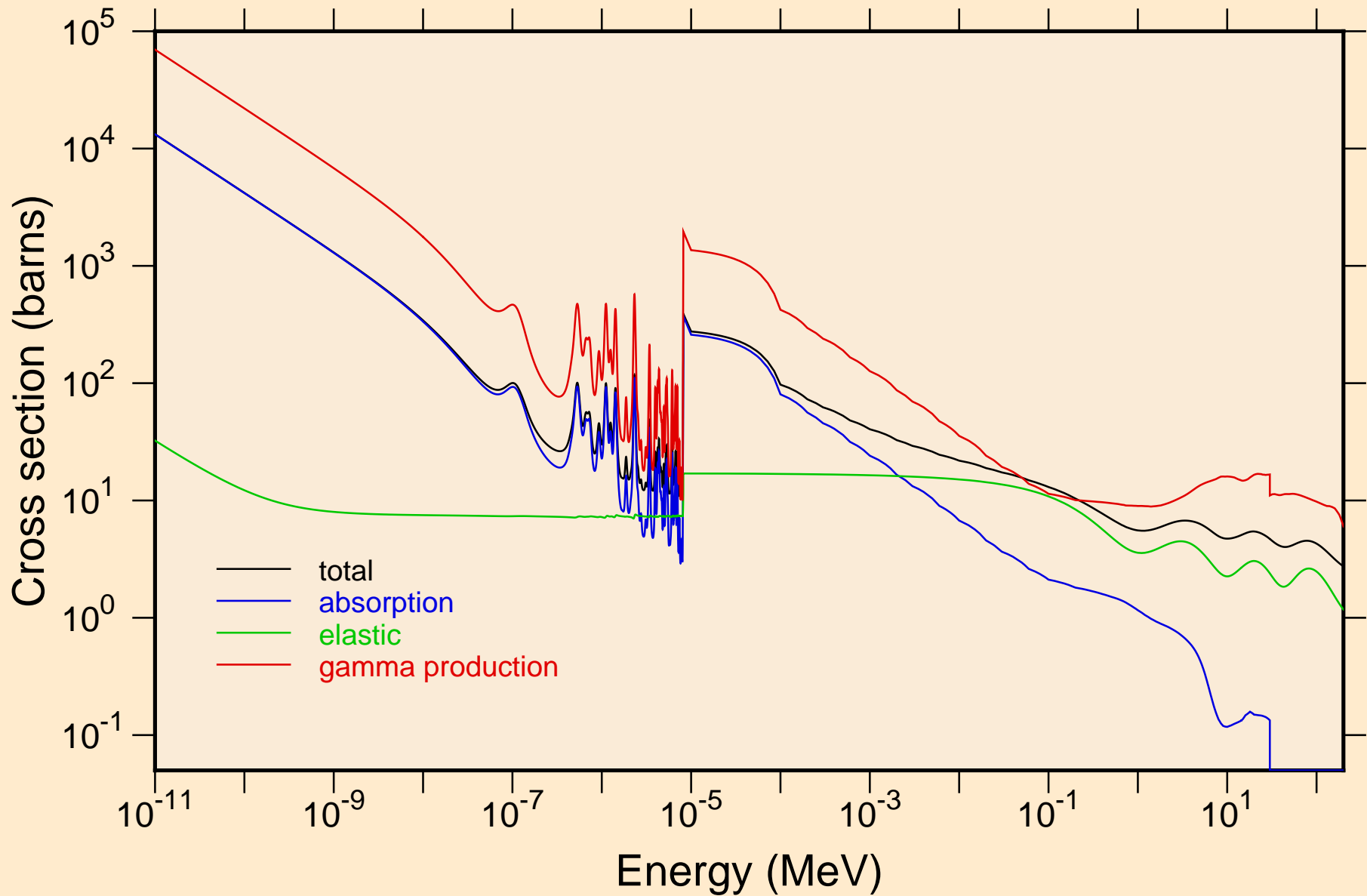
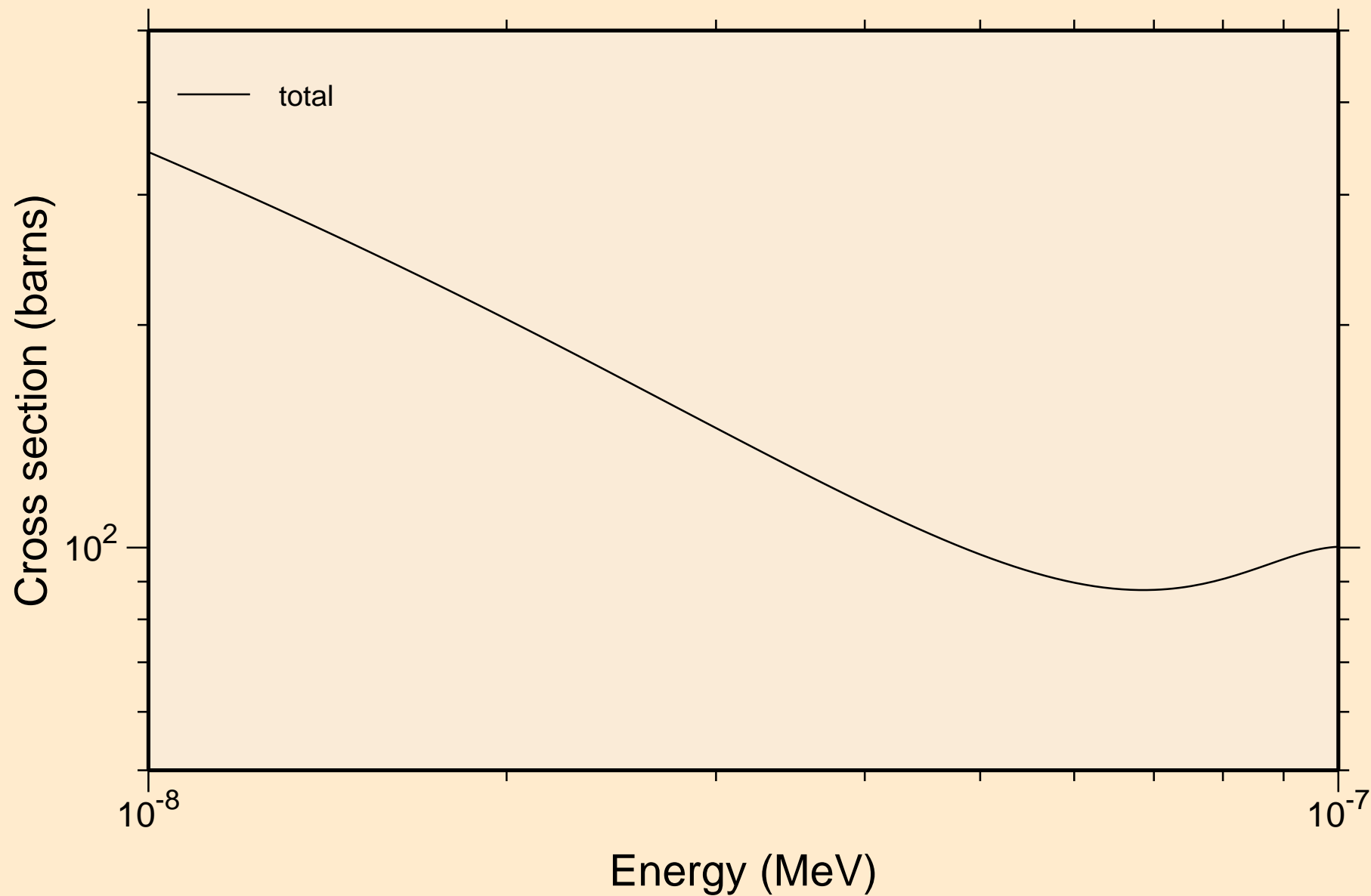


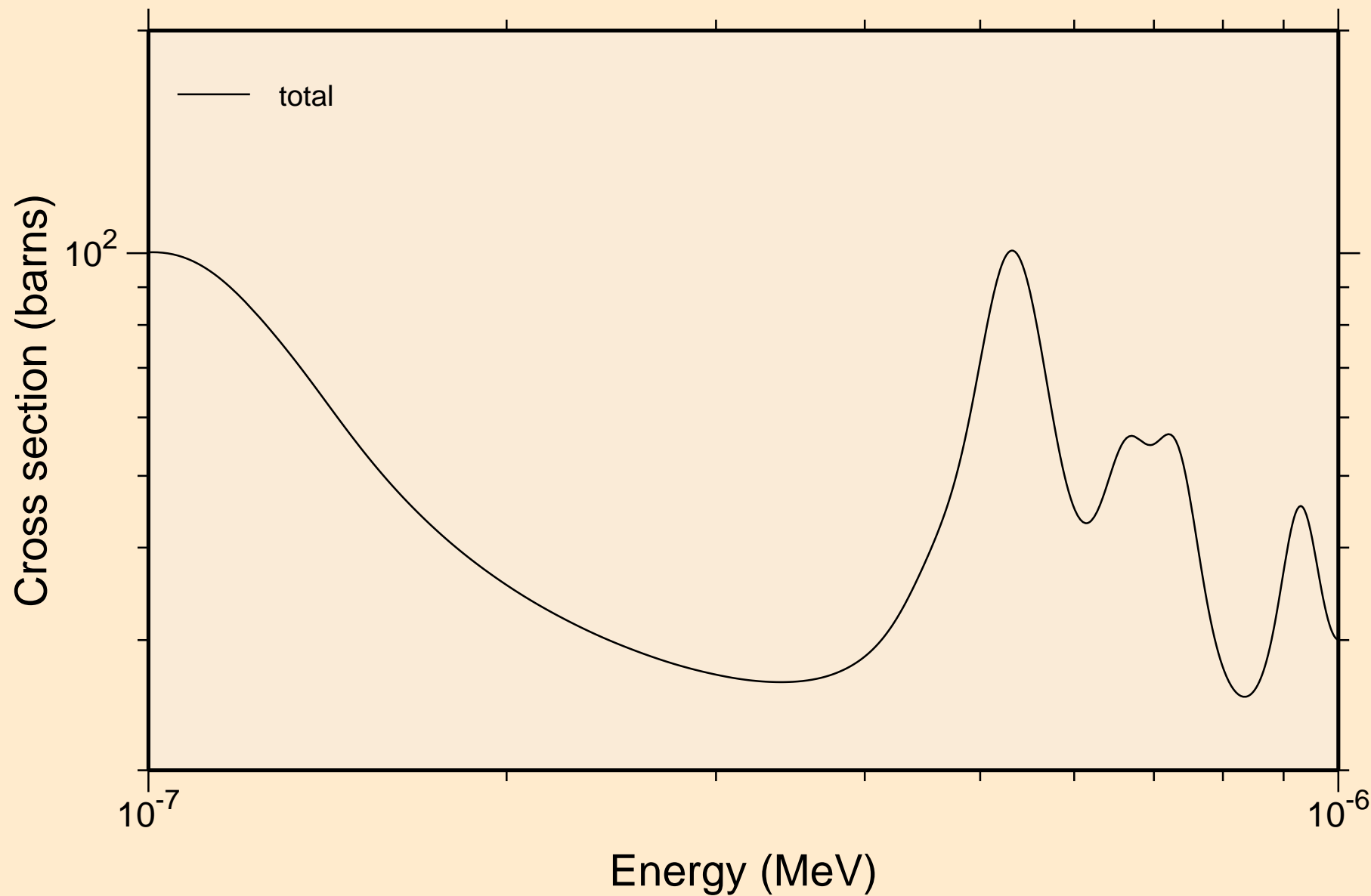
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



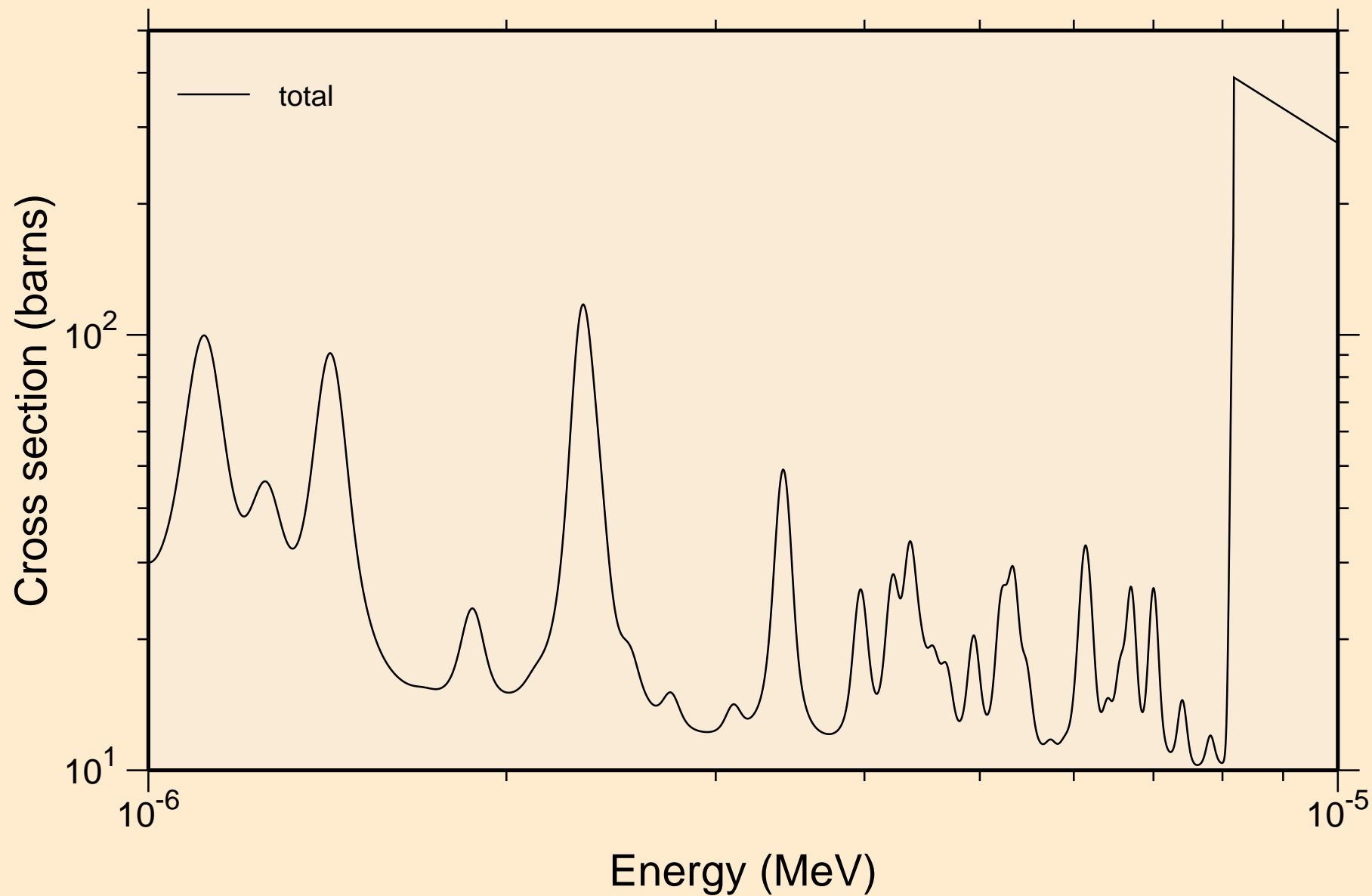
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



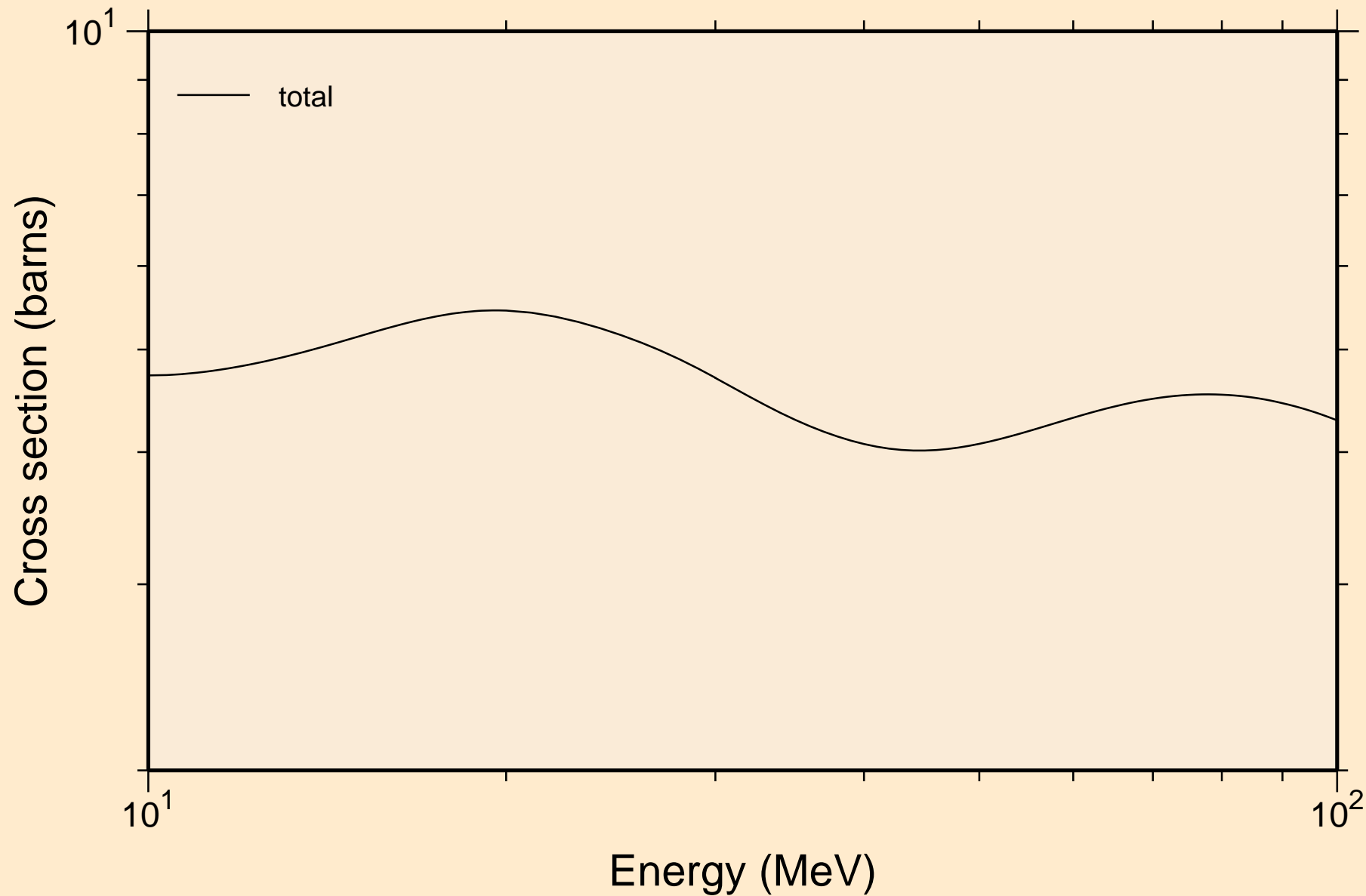
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



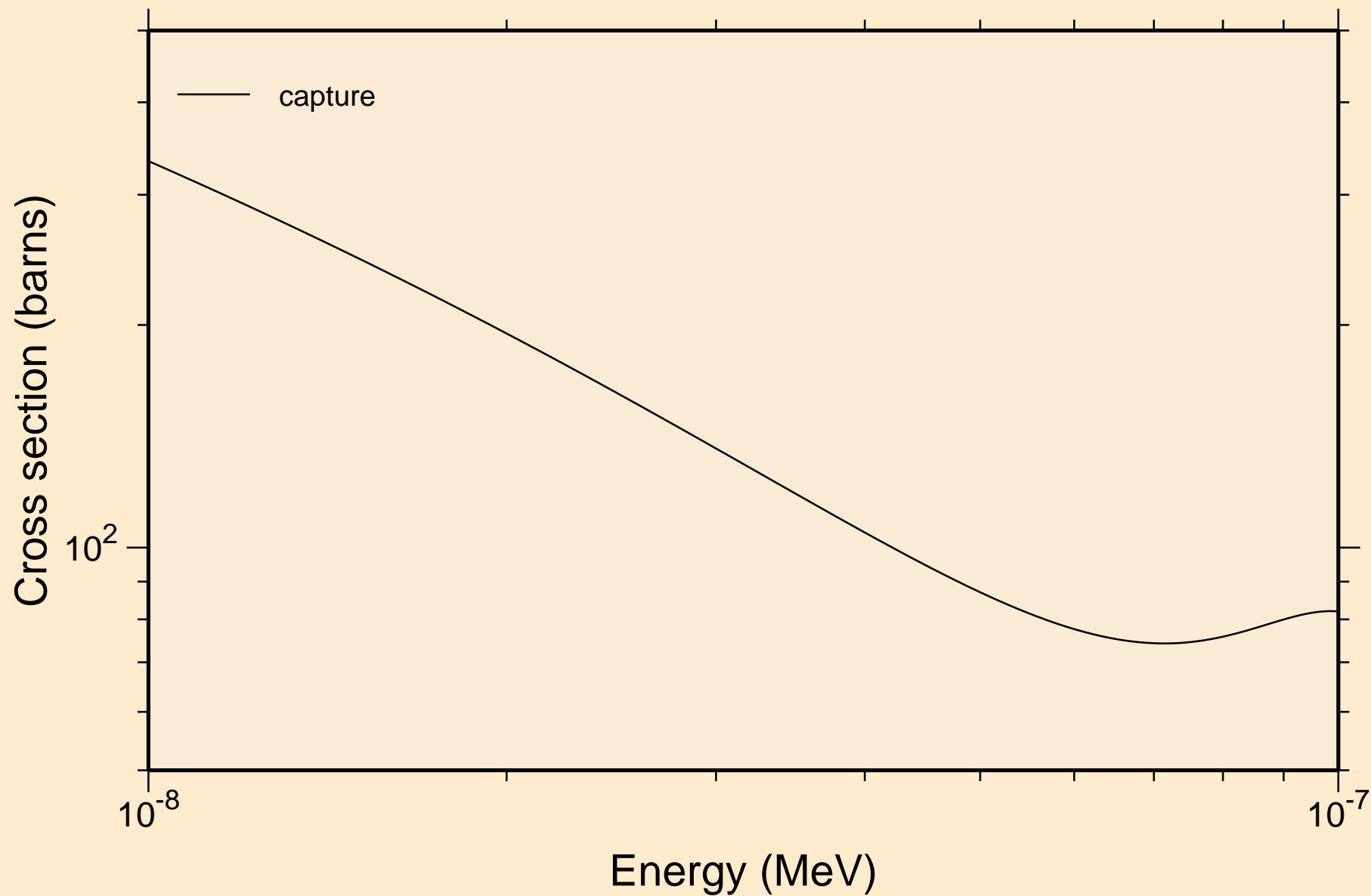
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resonance total cross section



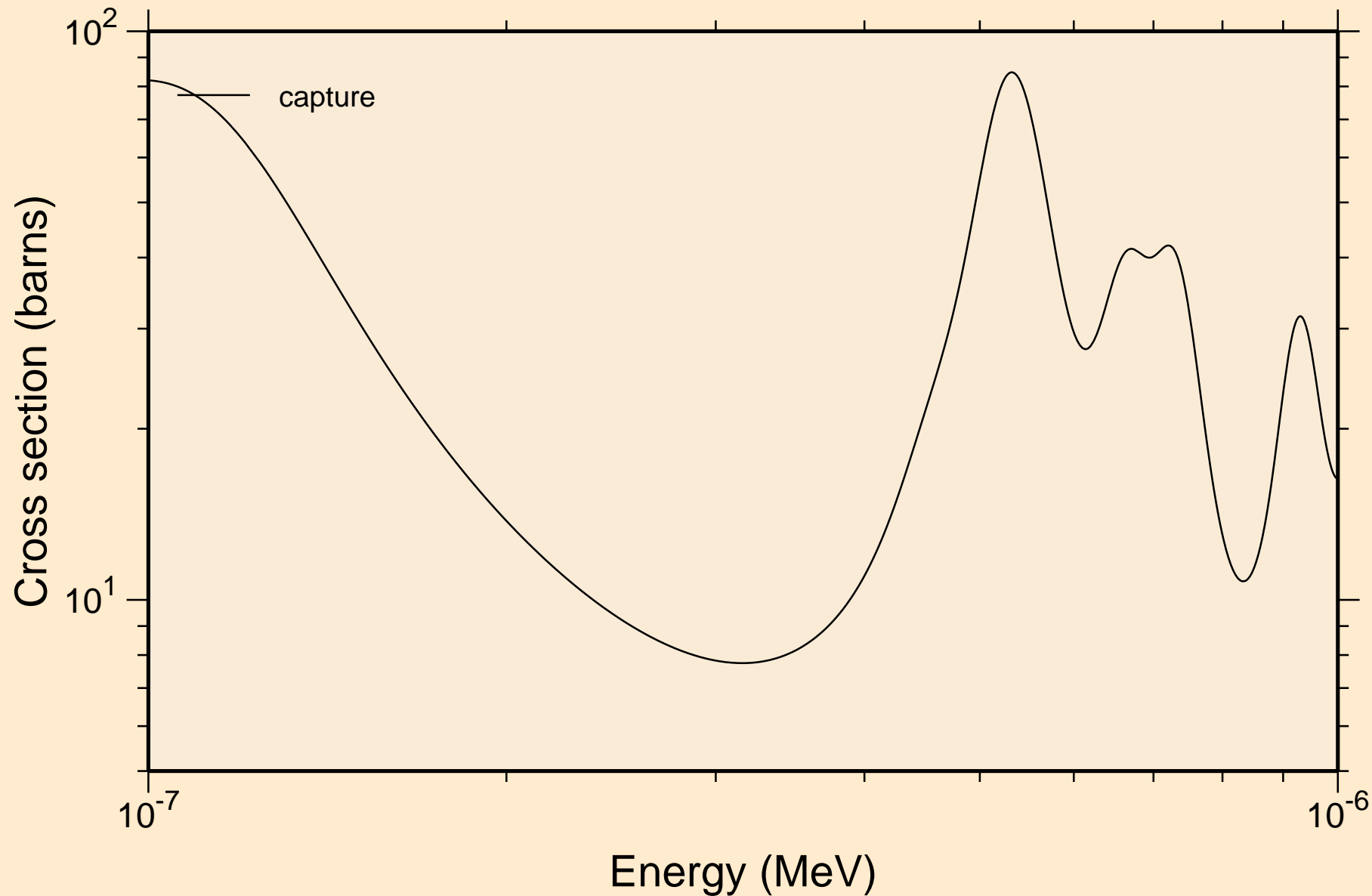
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



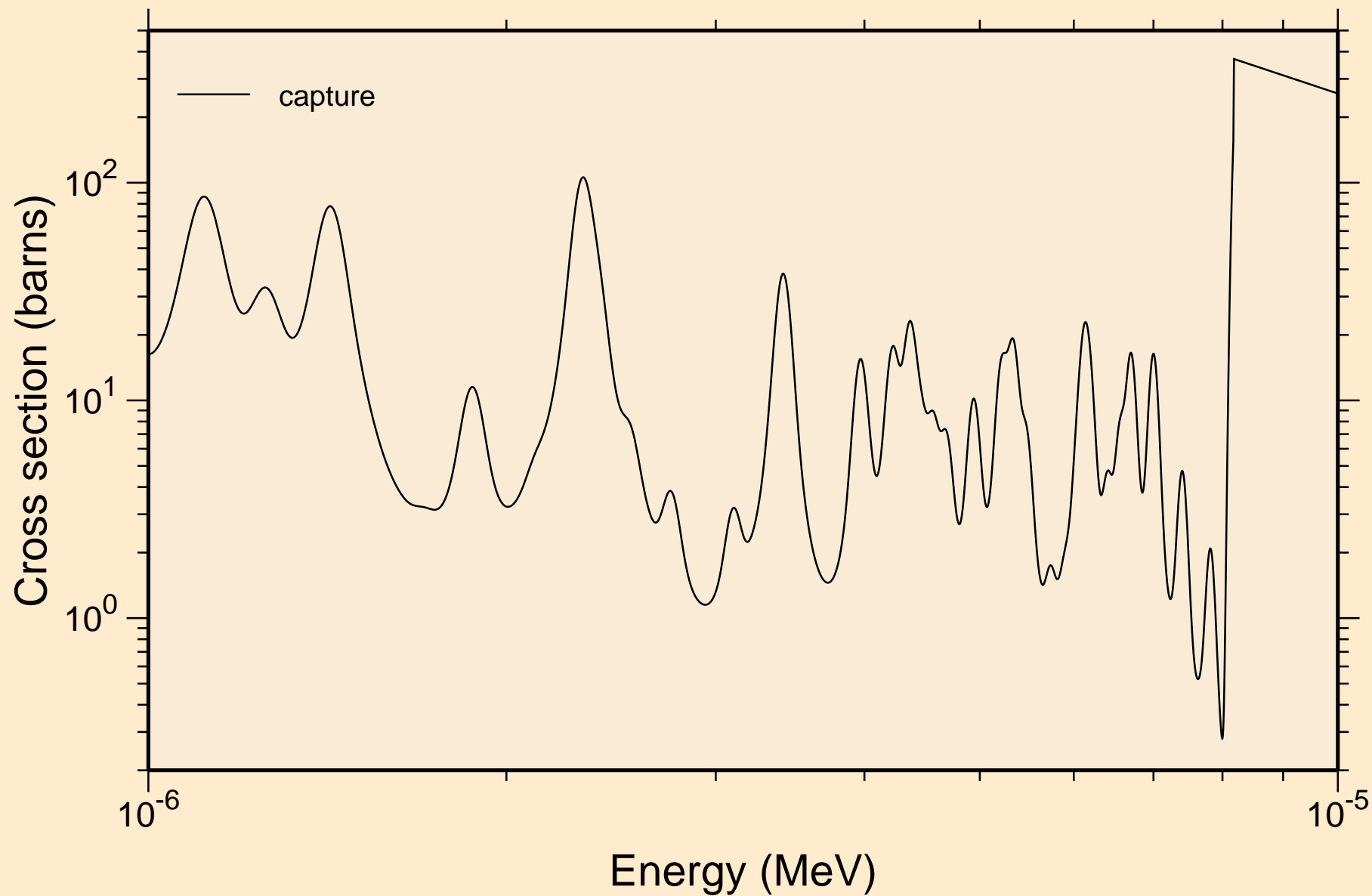
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



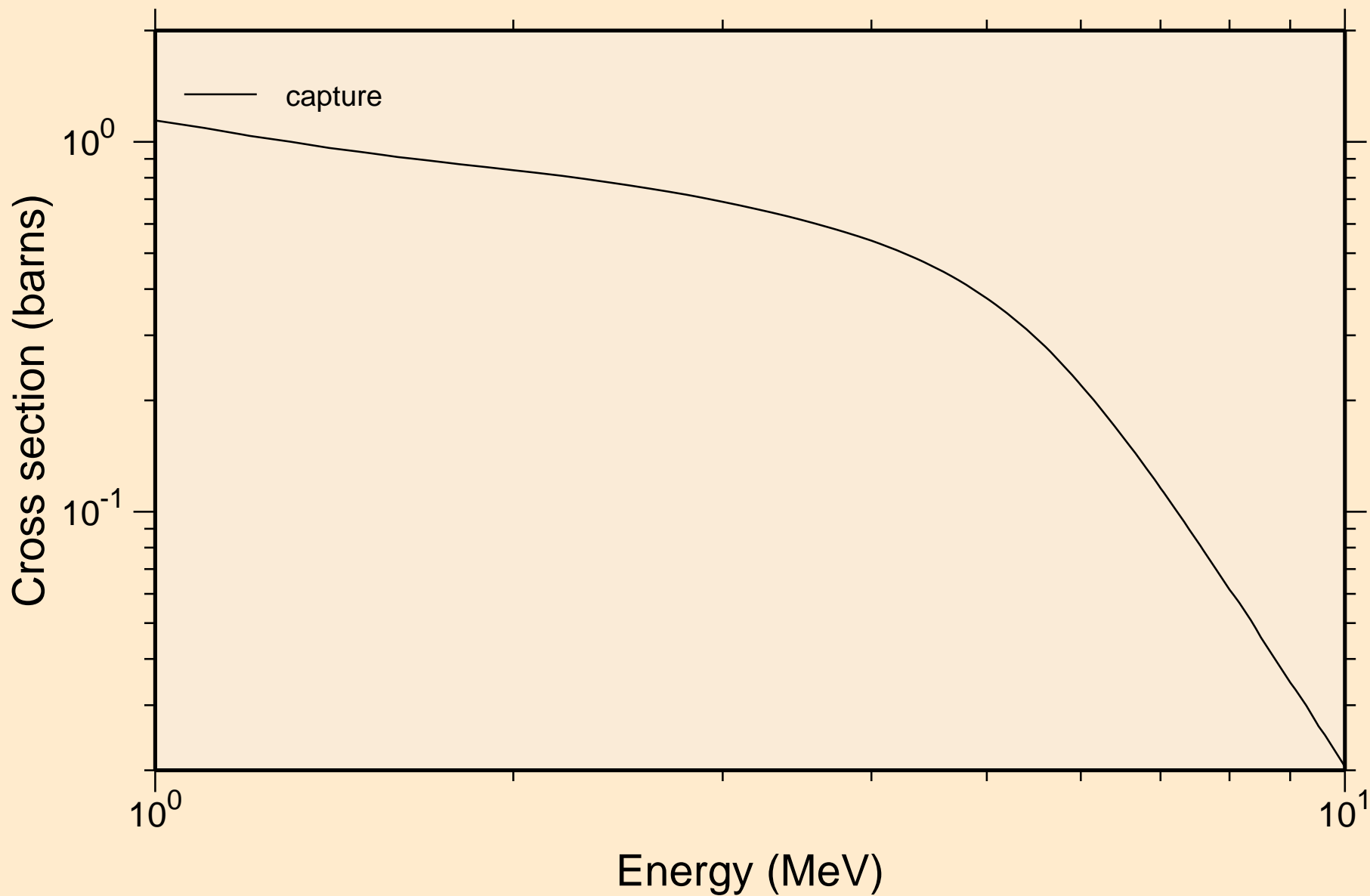
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



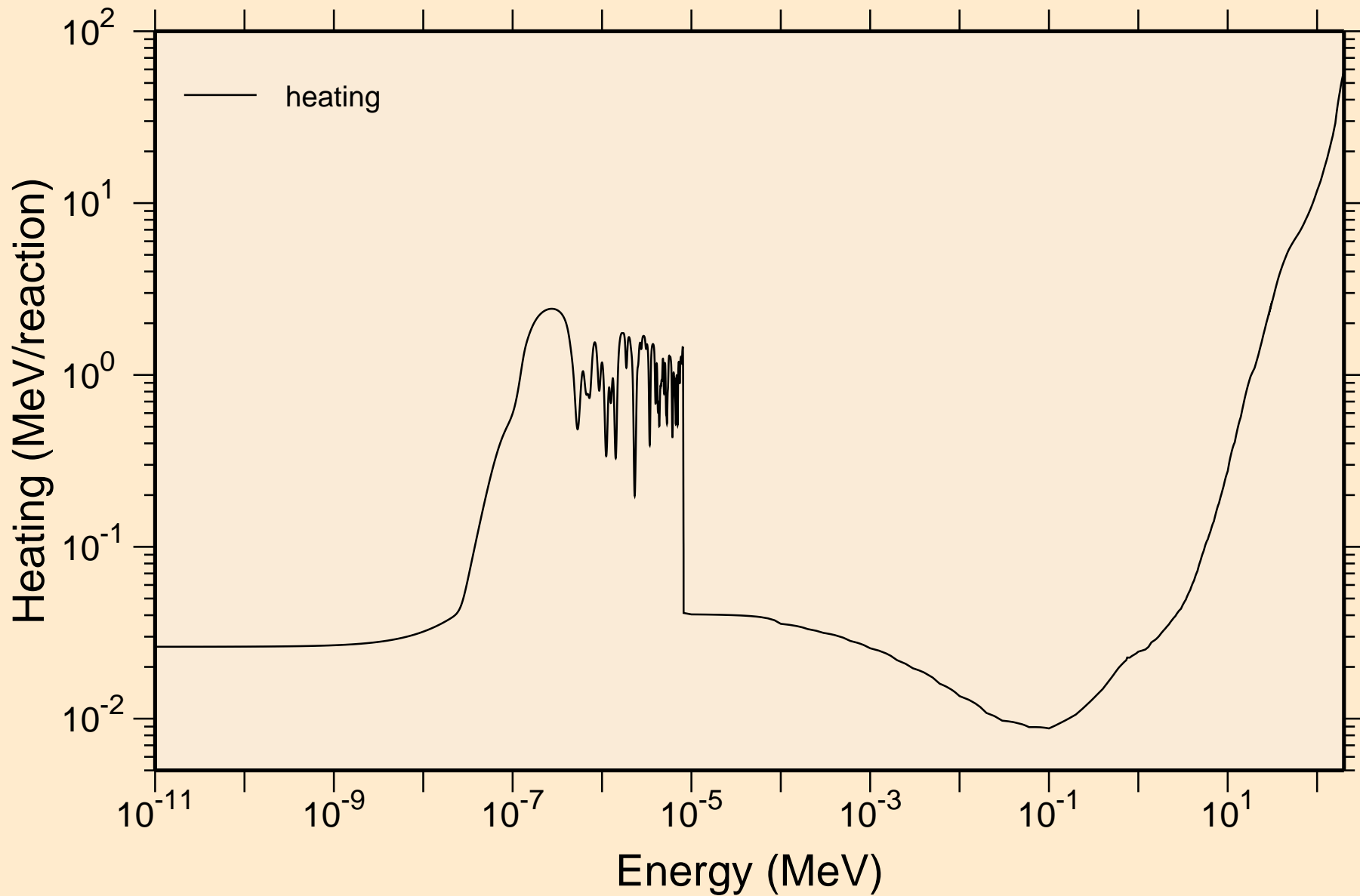
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



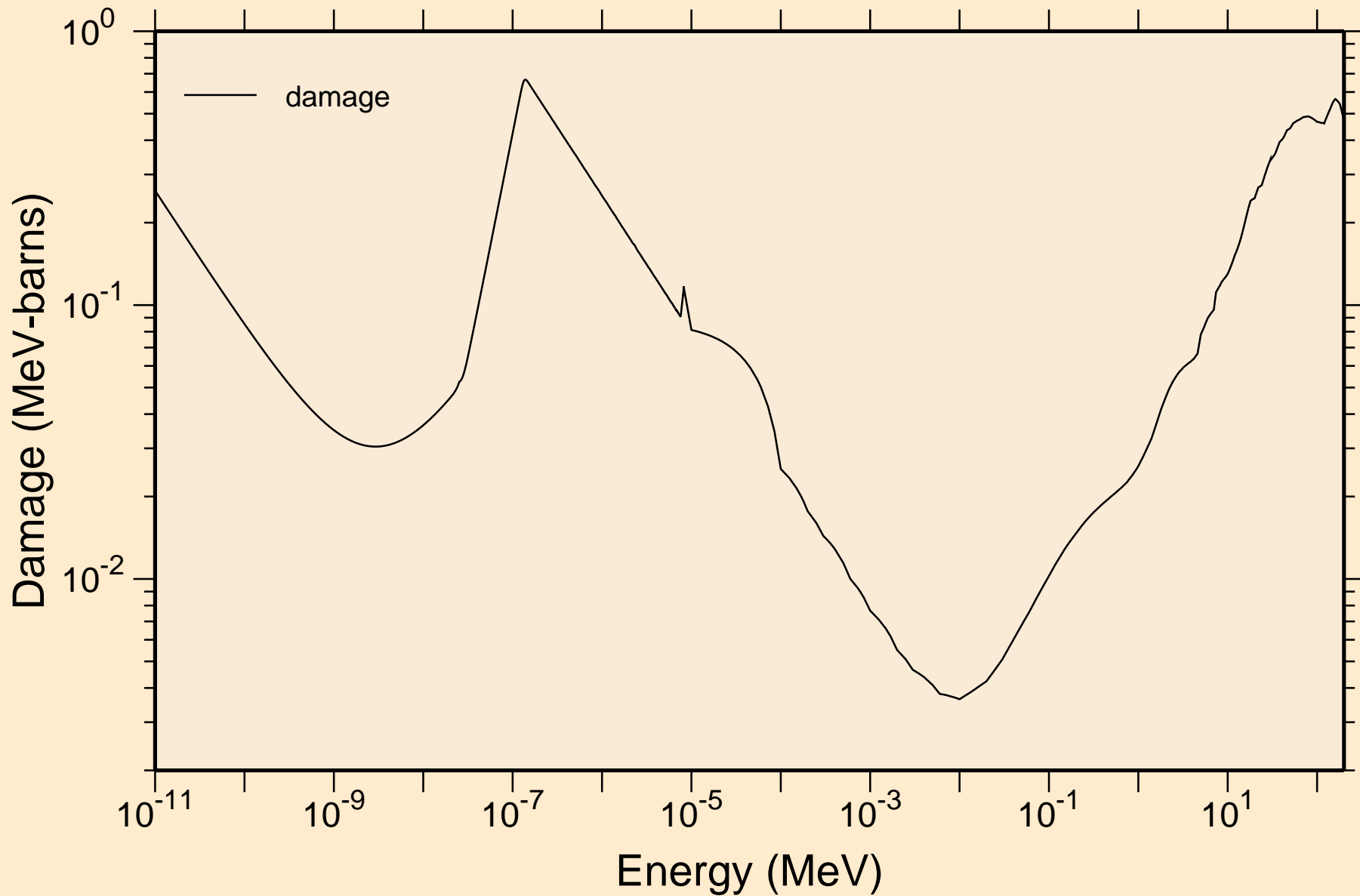
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resonance absorption cross sections



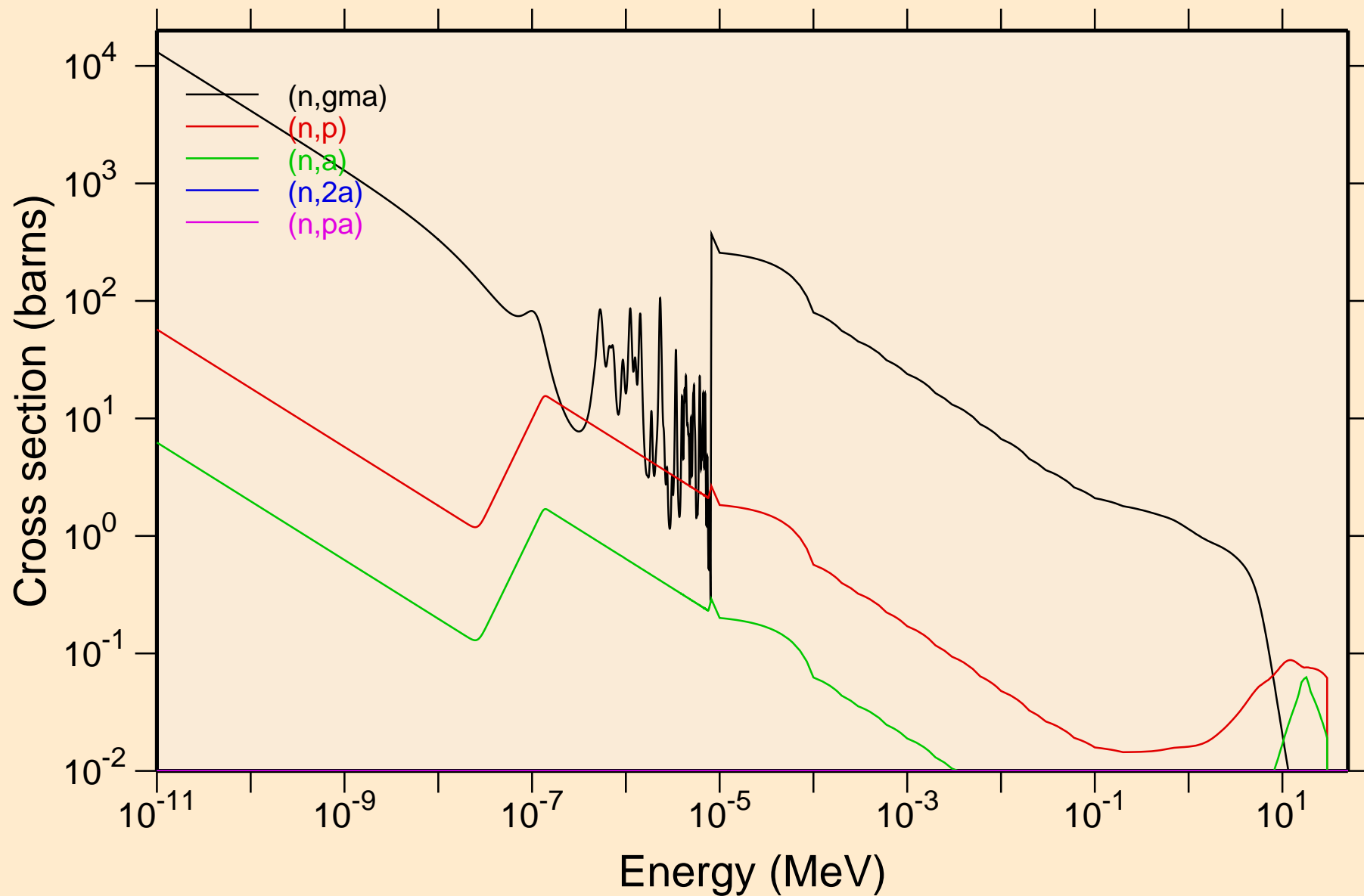
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



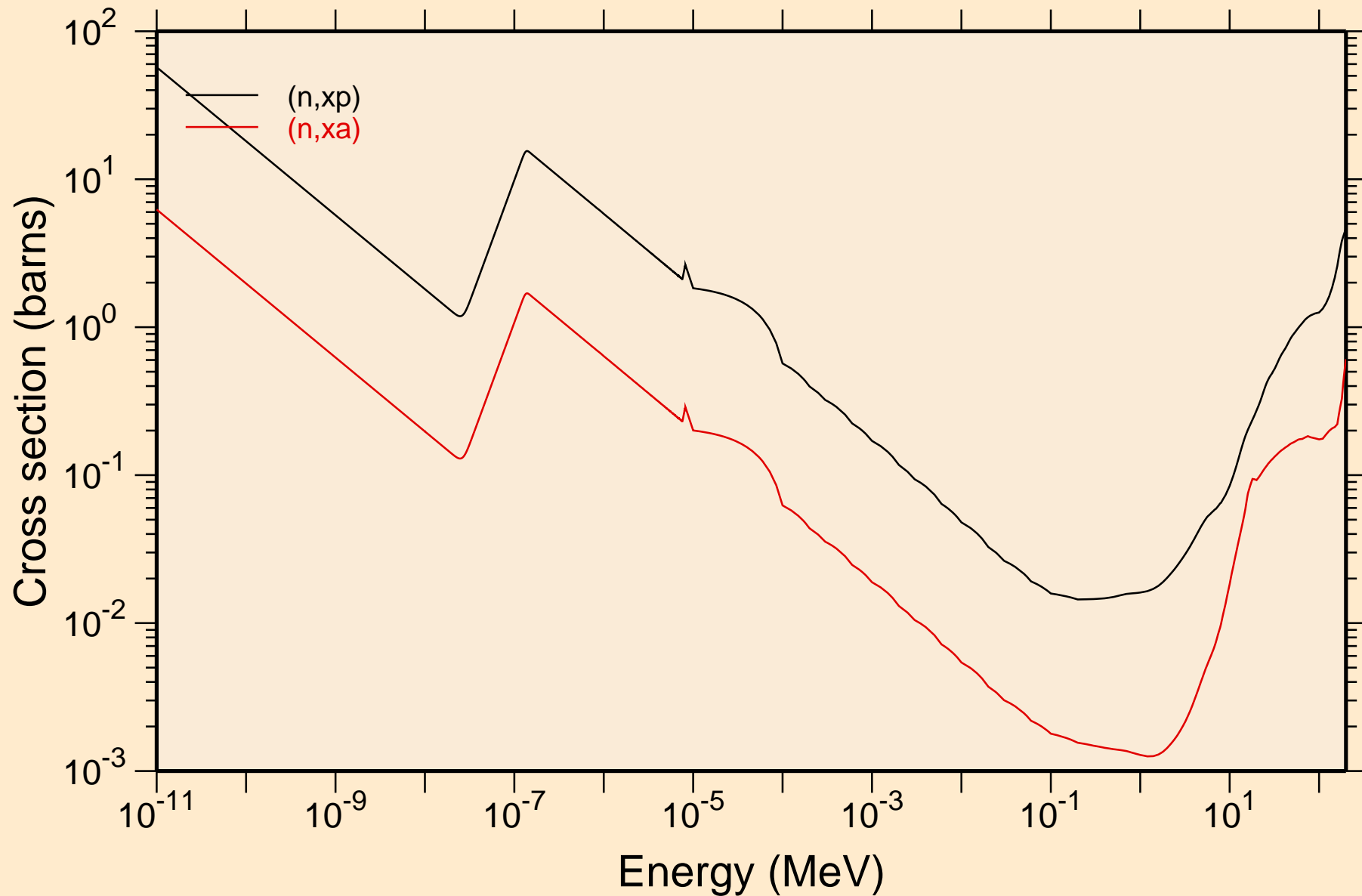
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



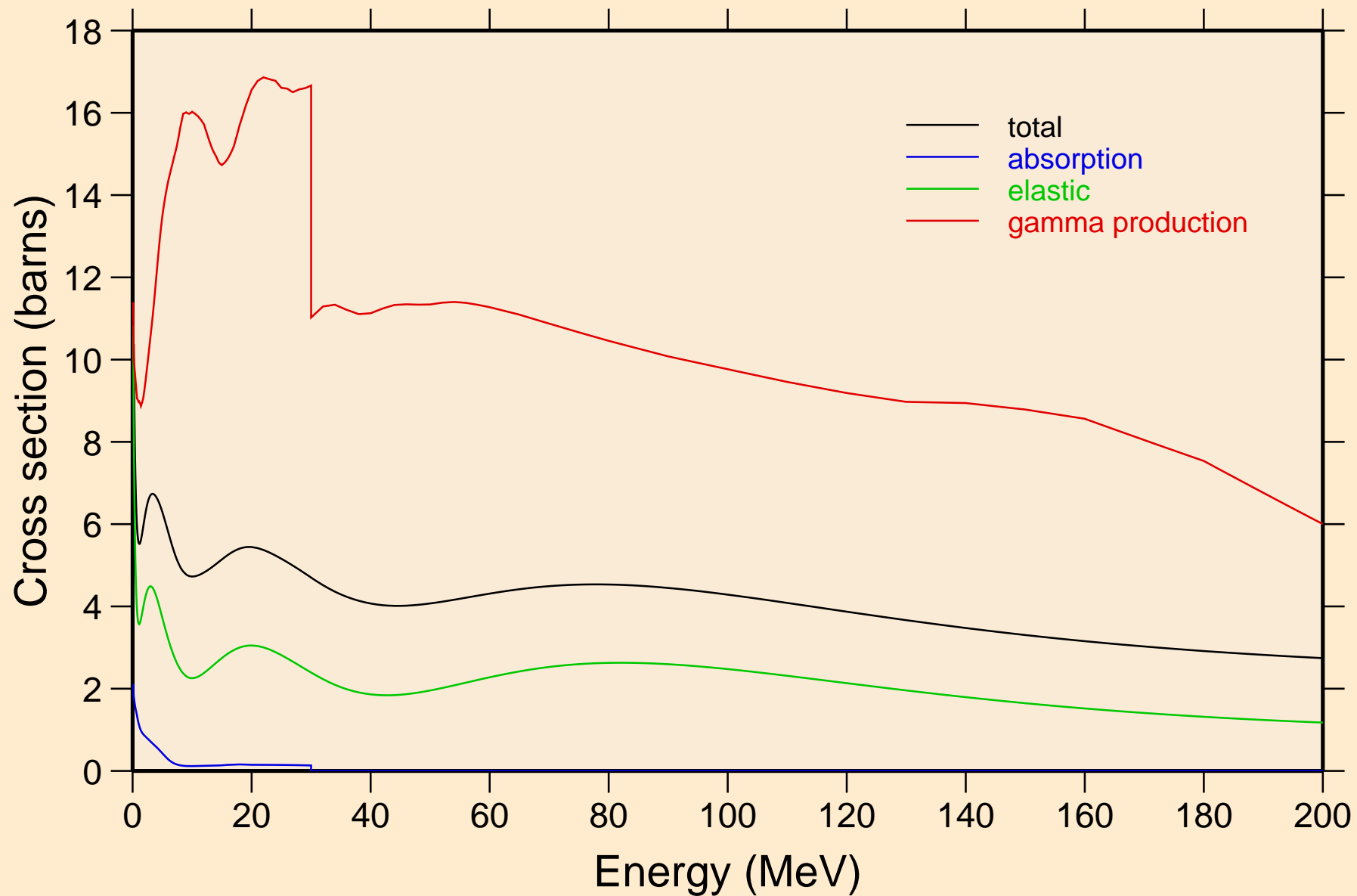
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



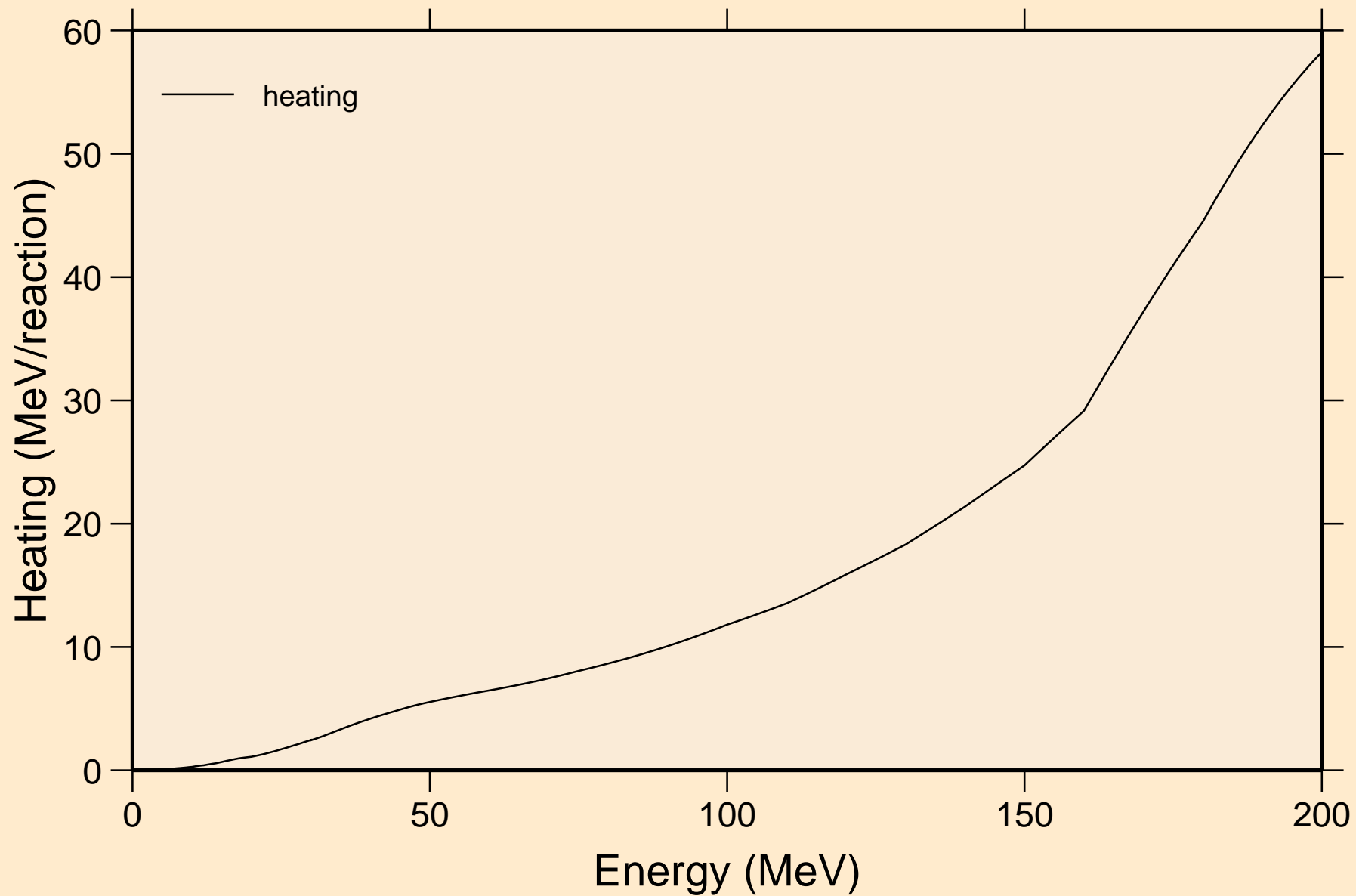
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Non-threshold reactions



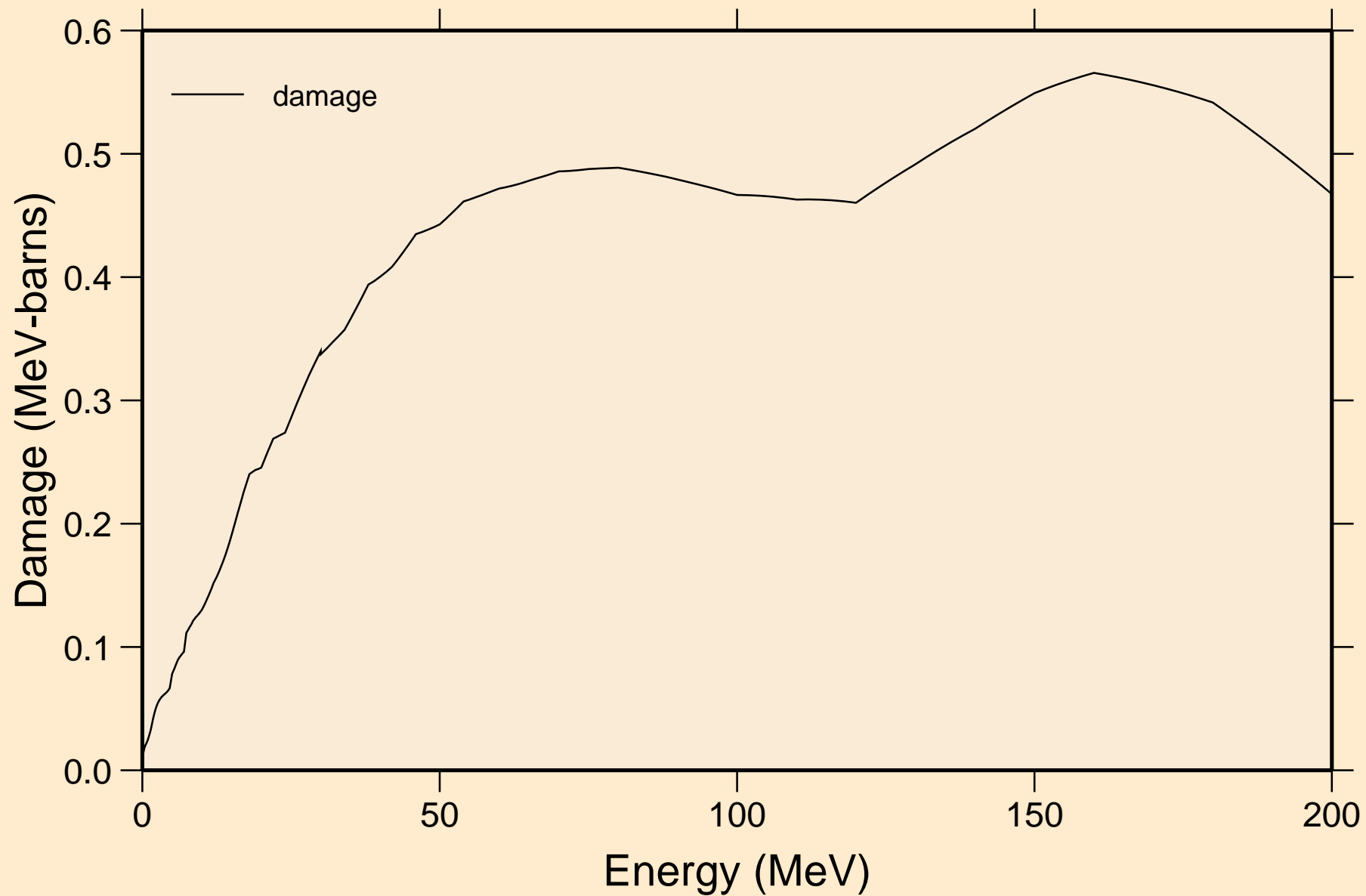
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



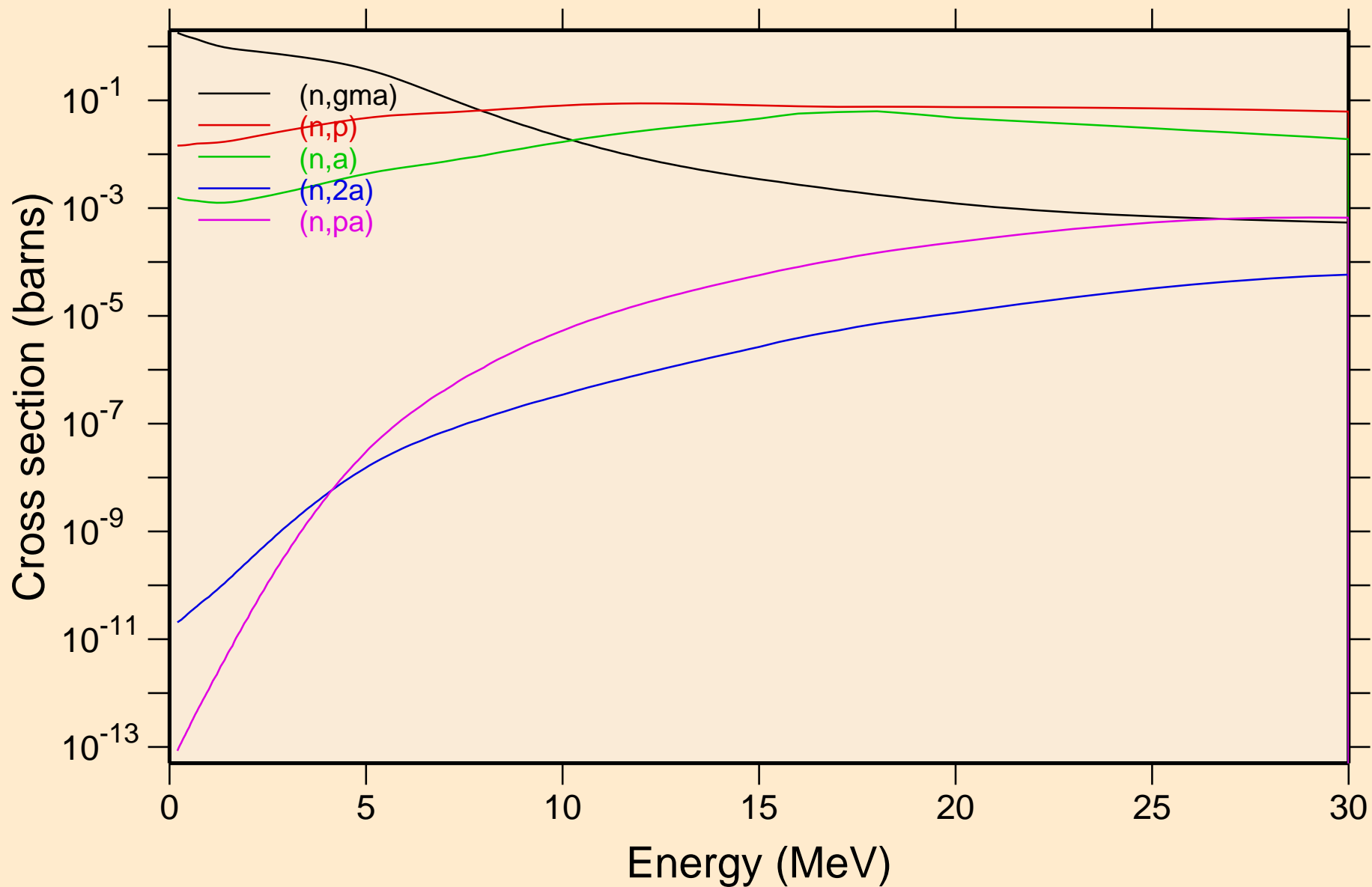
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



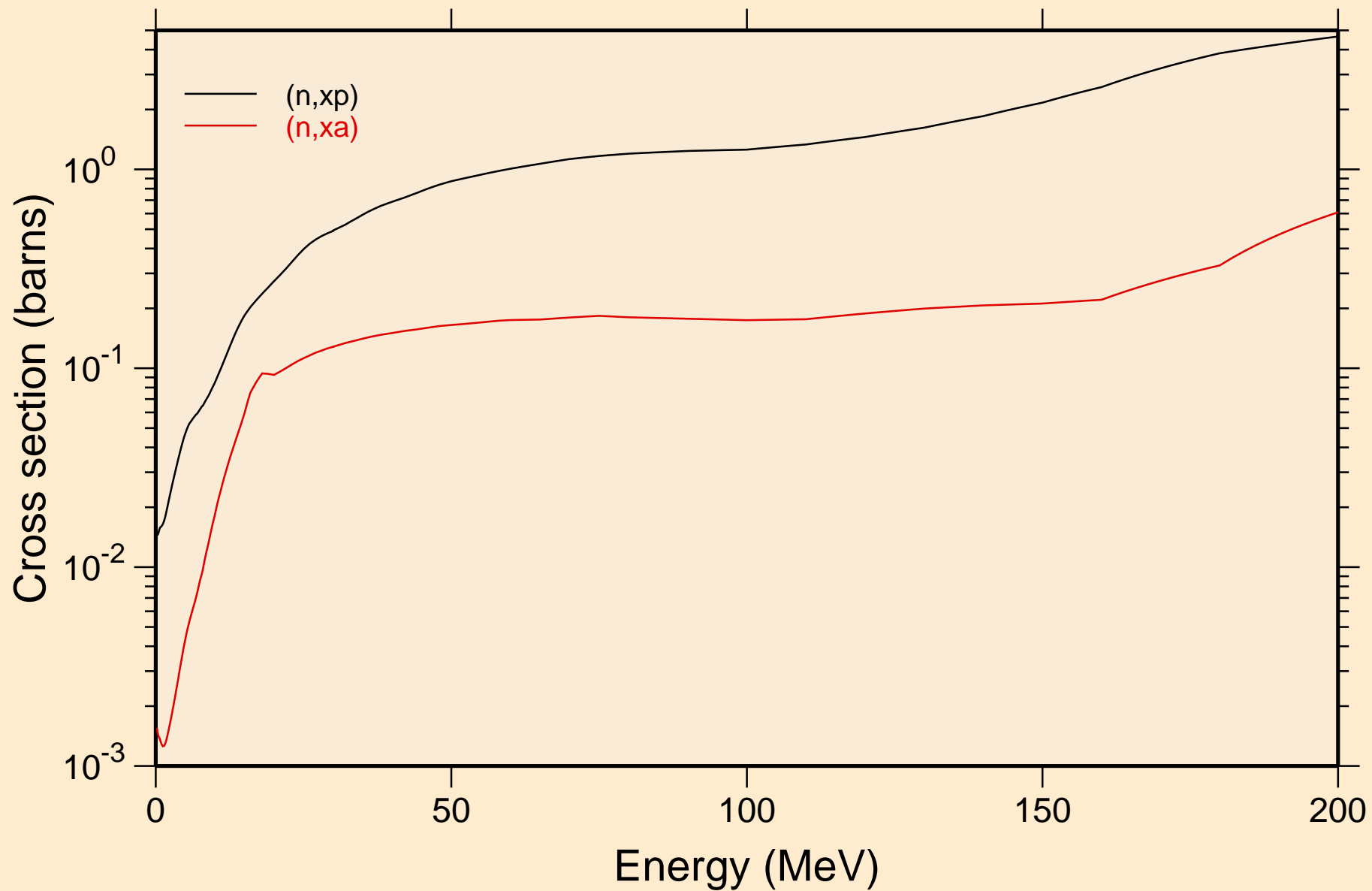
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Damage



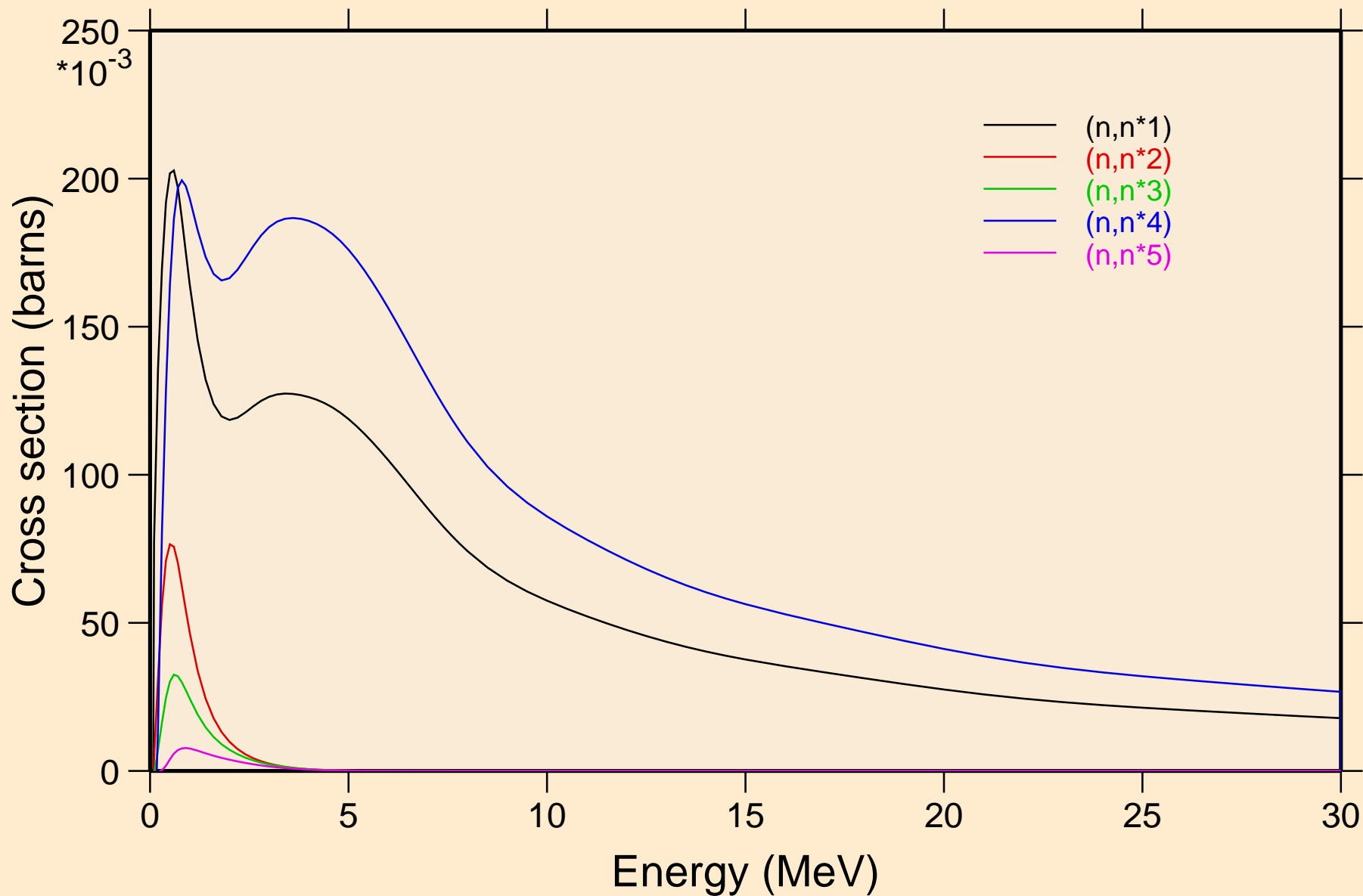
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



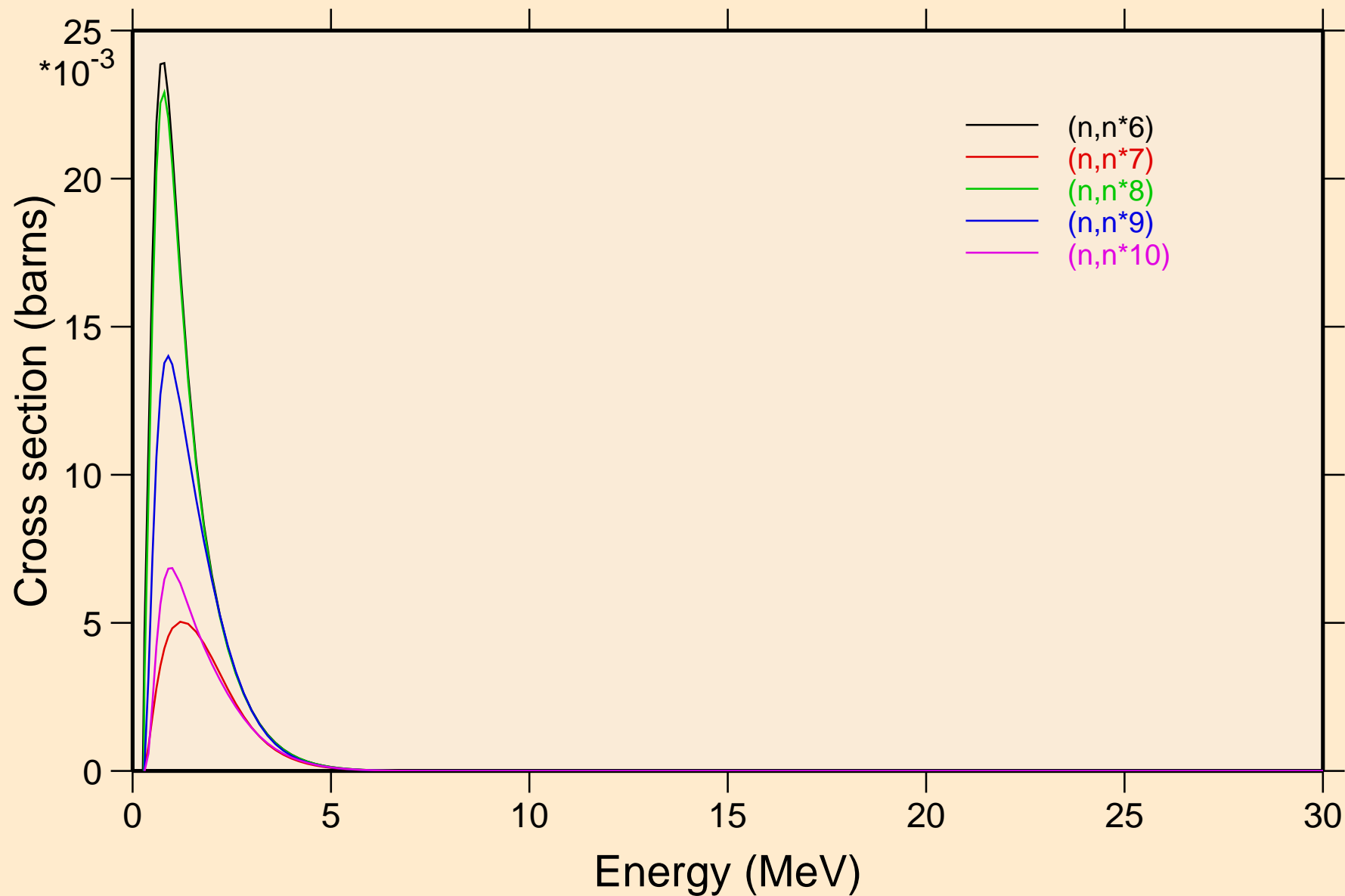
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



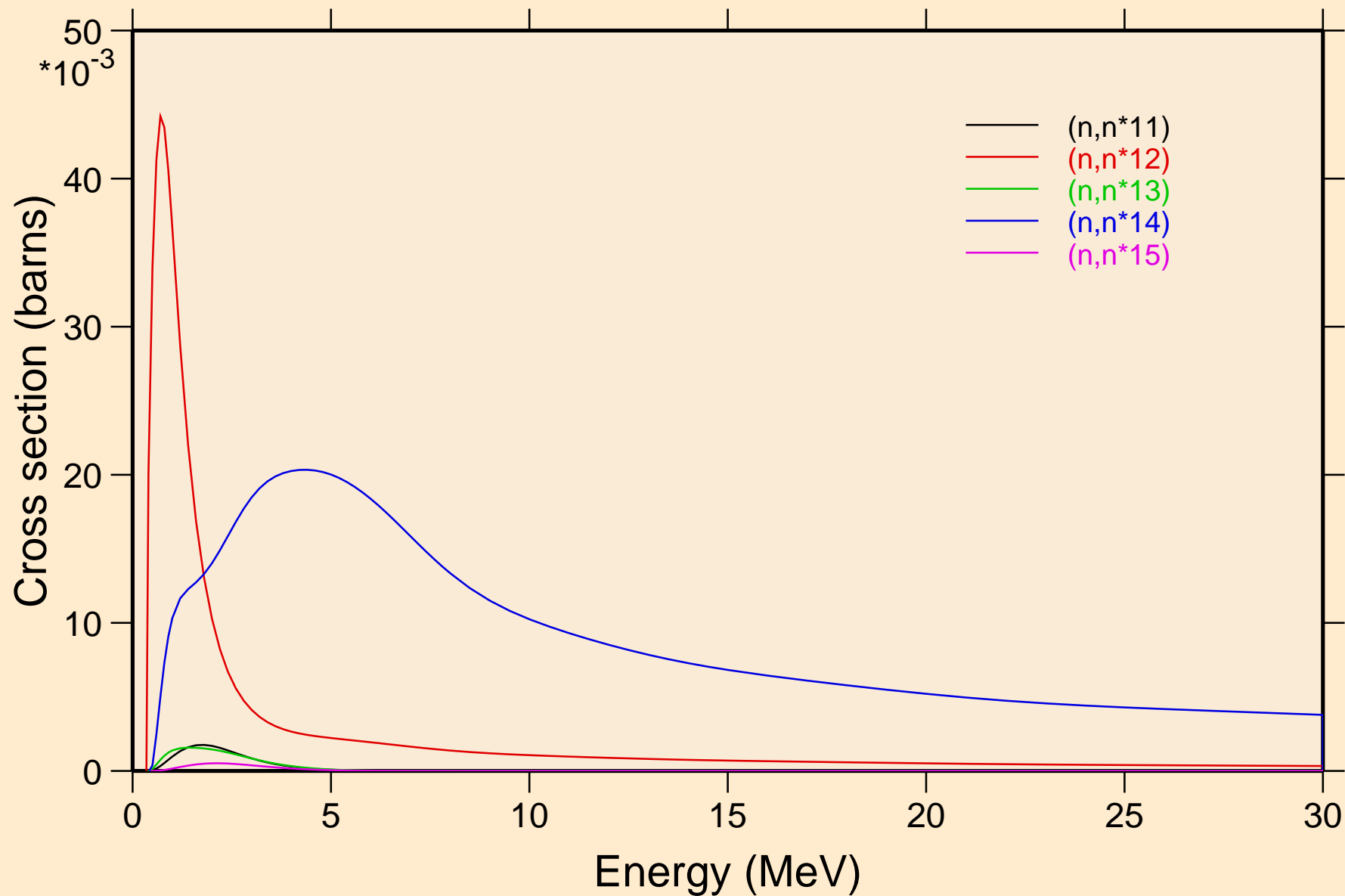
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



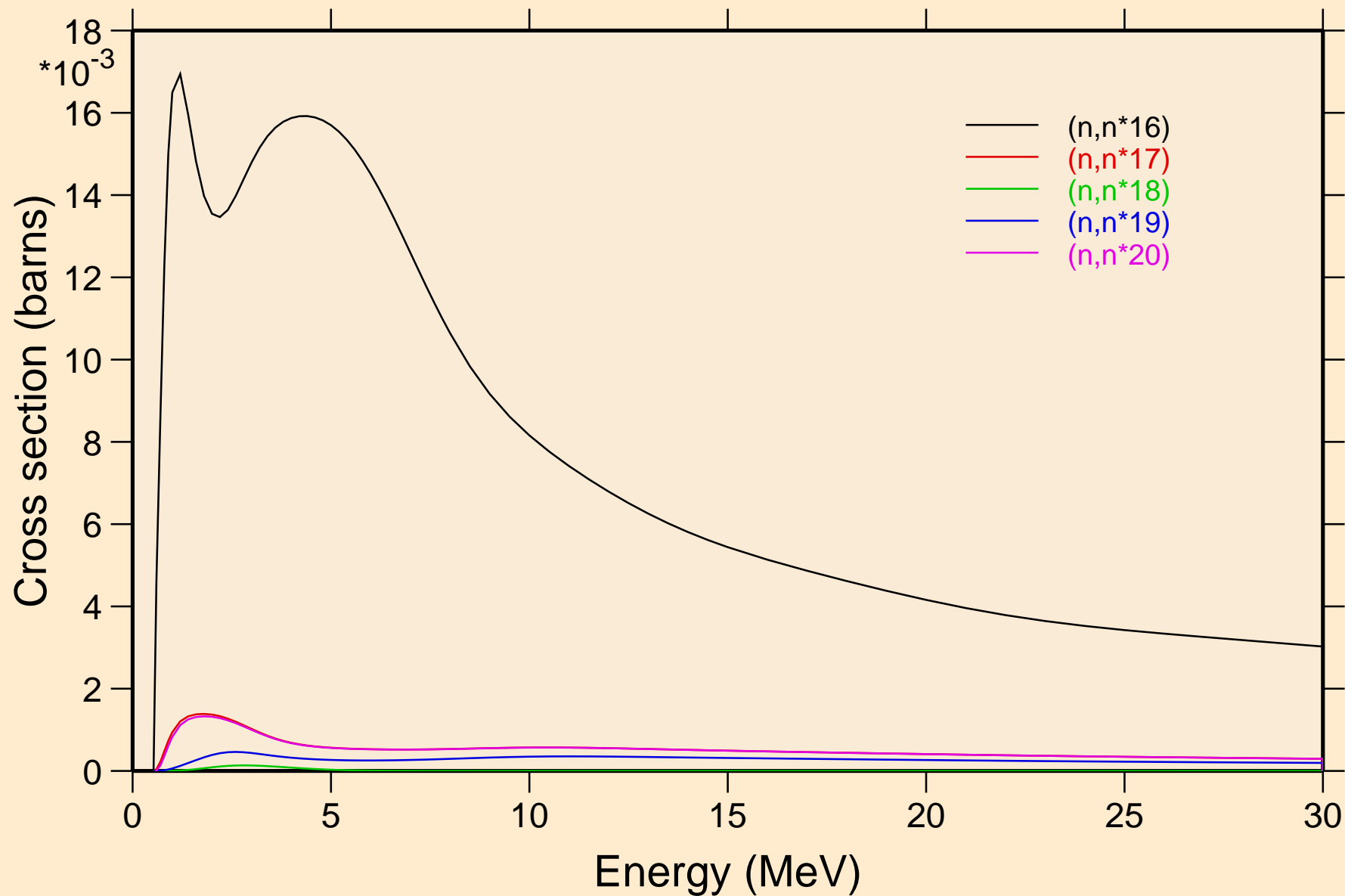
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



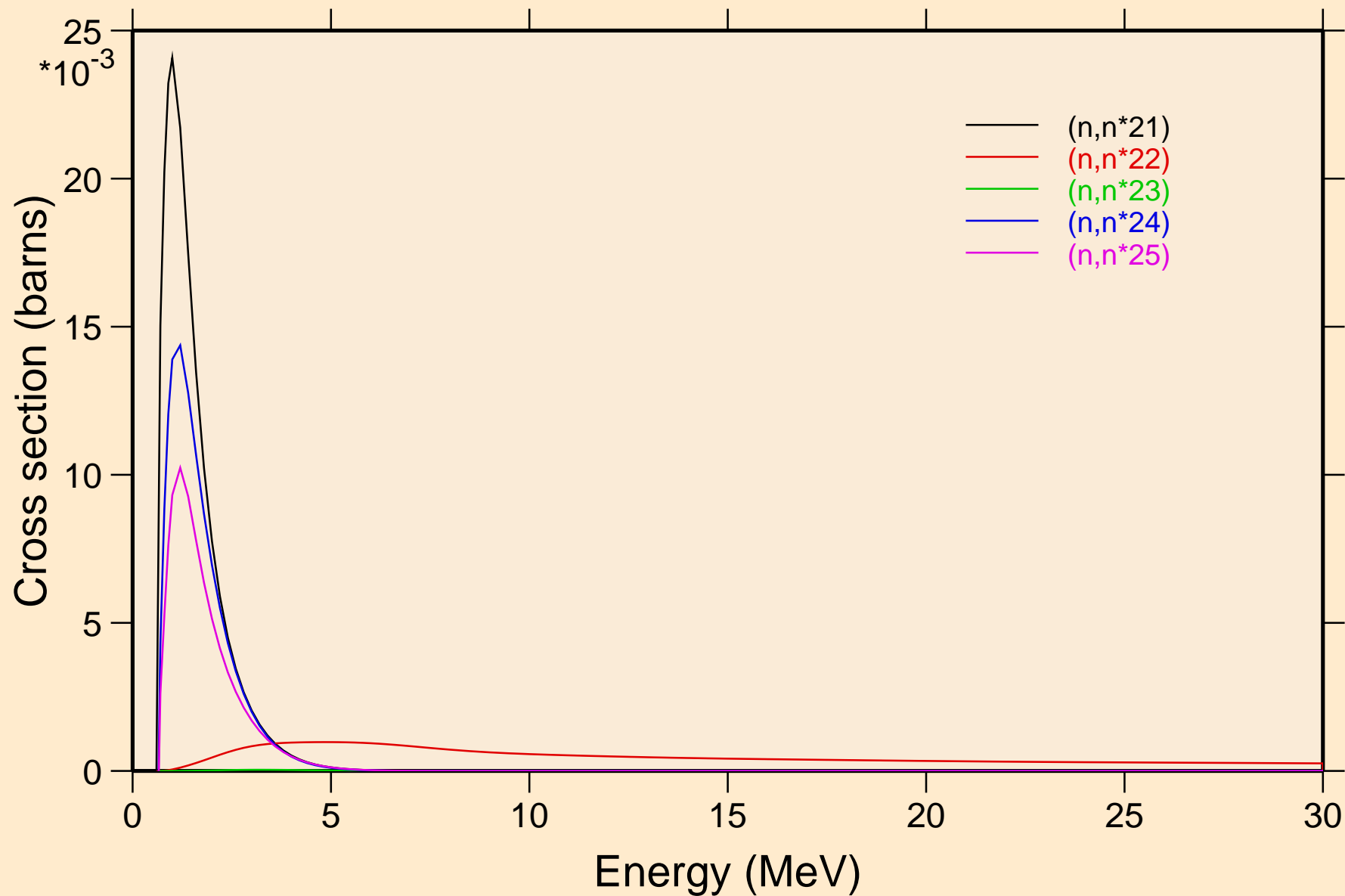
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



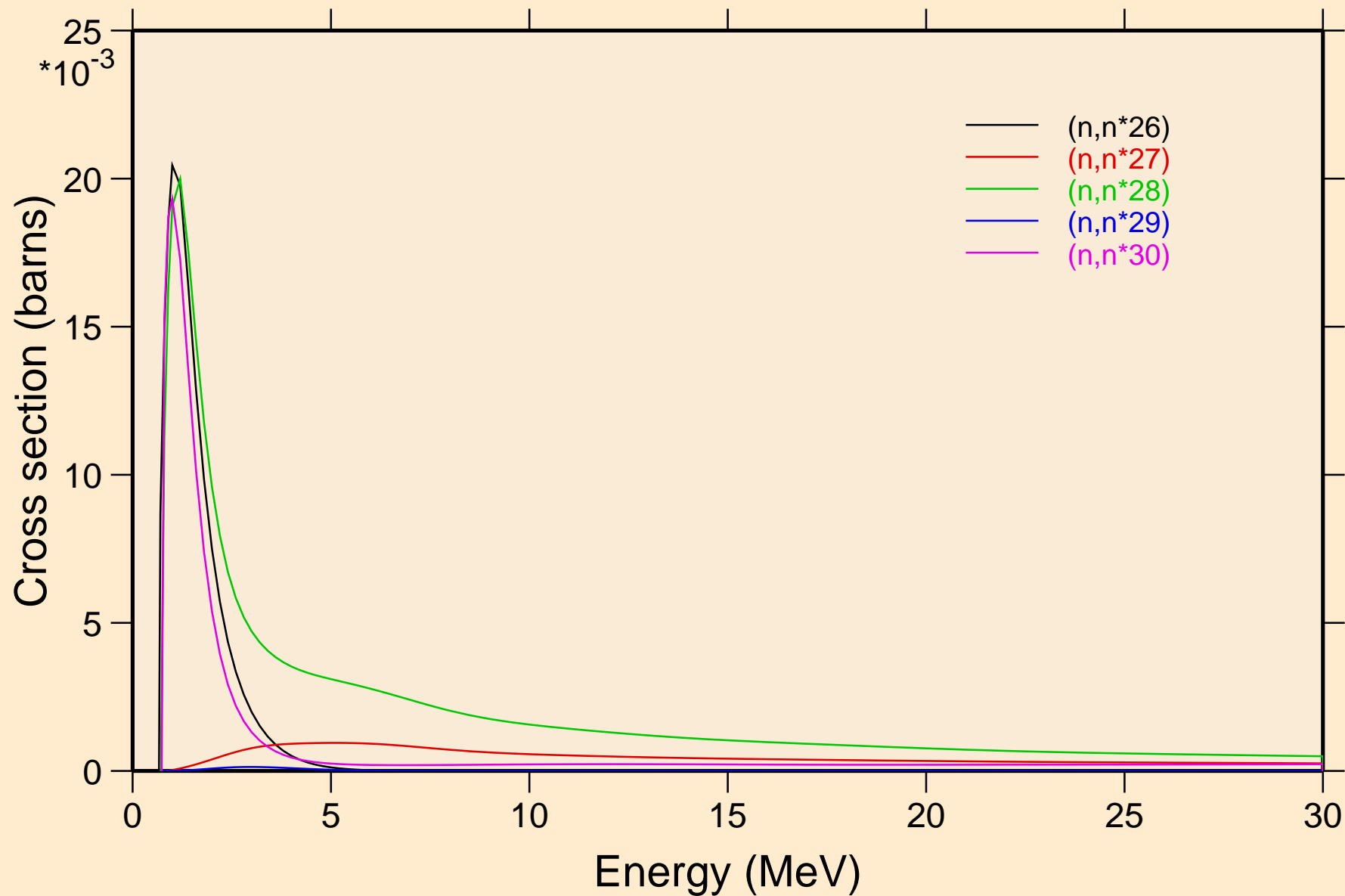
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



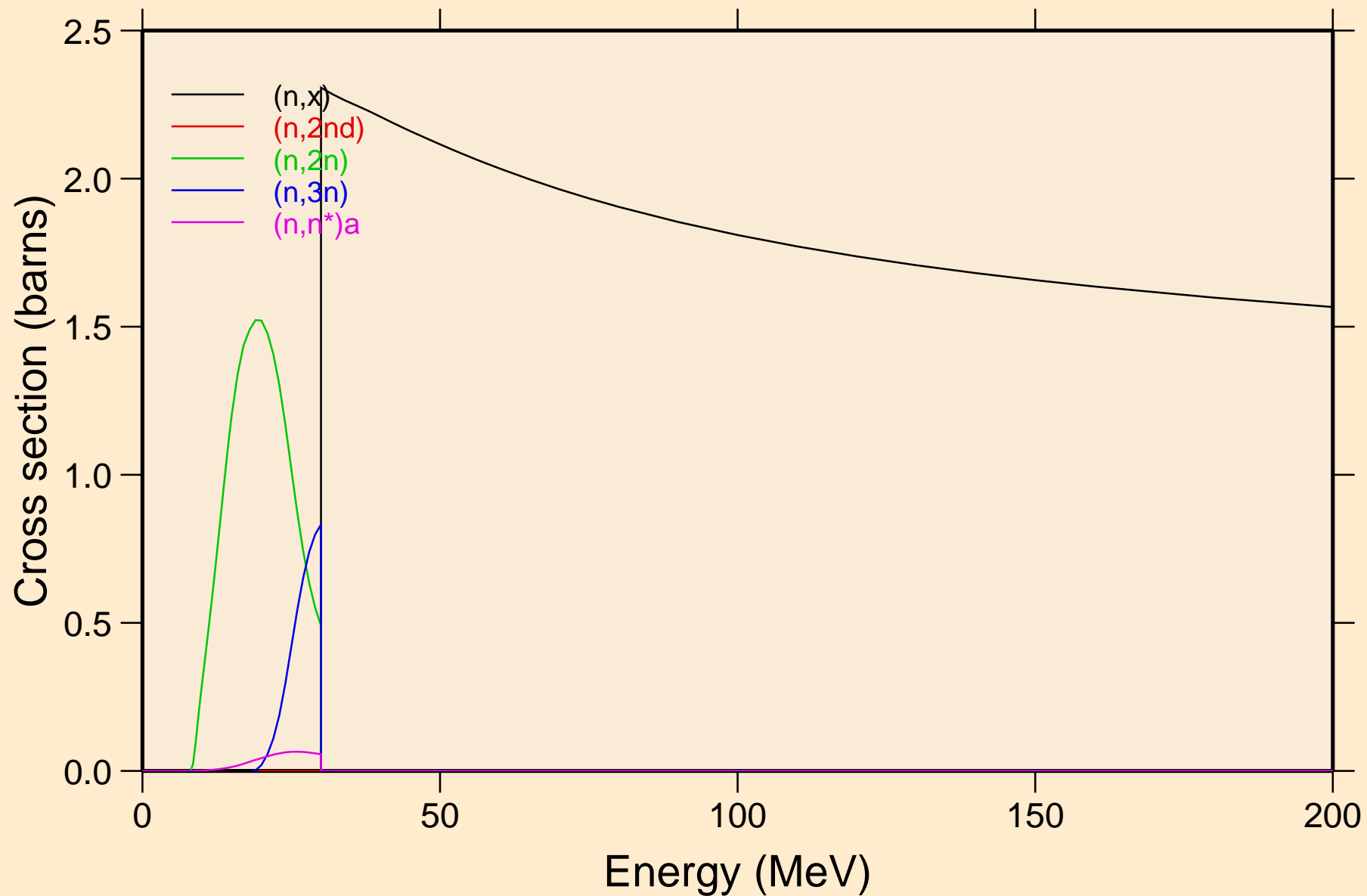
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



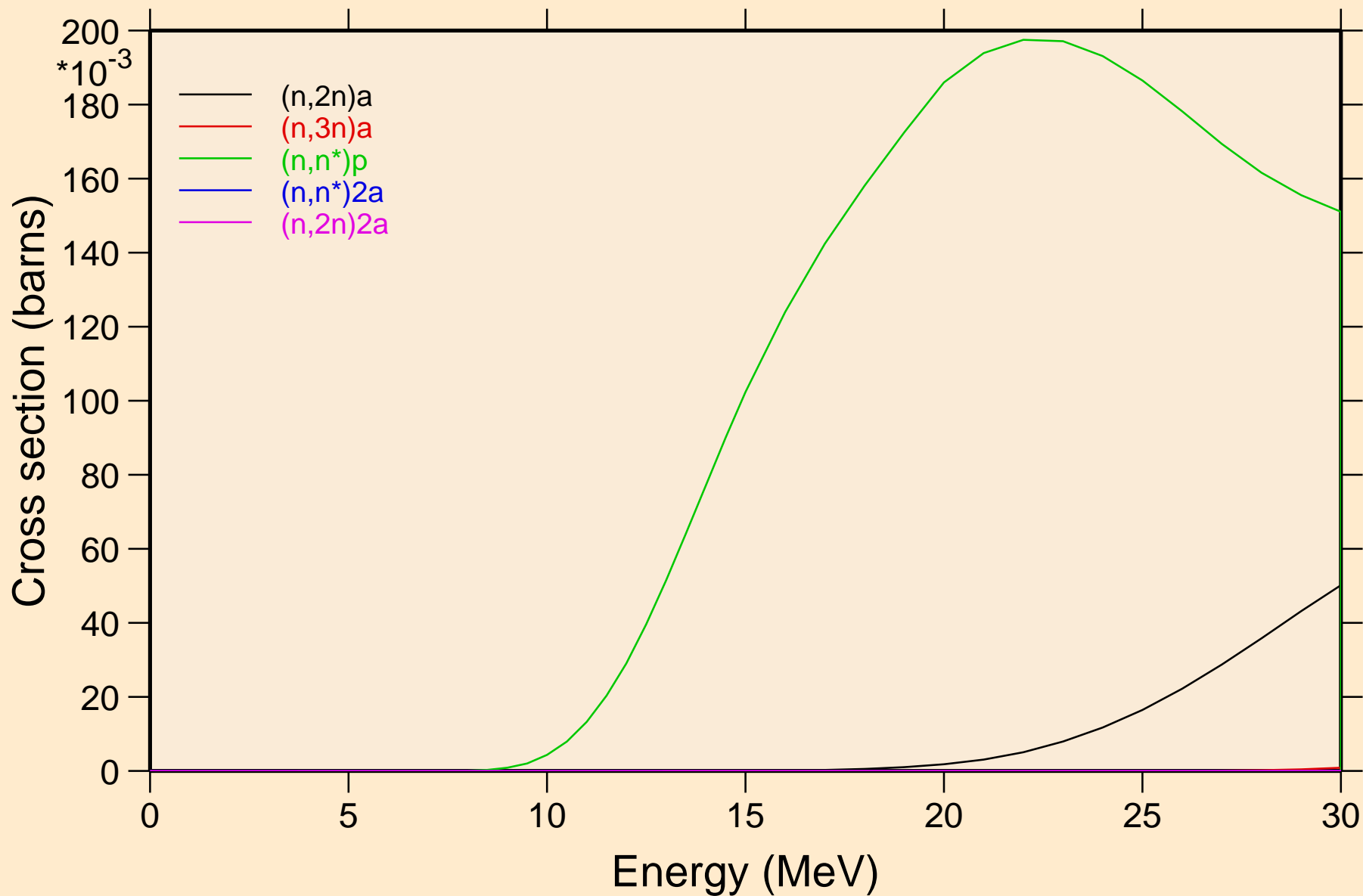
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



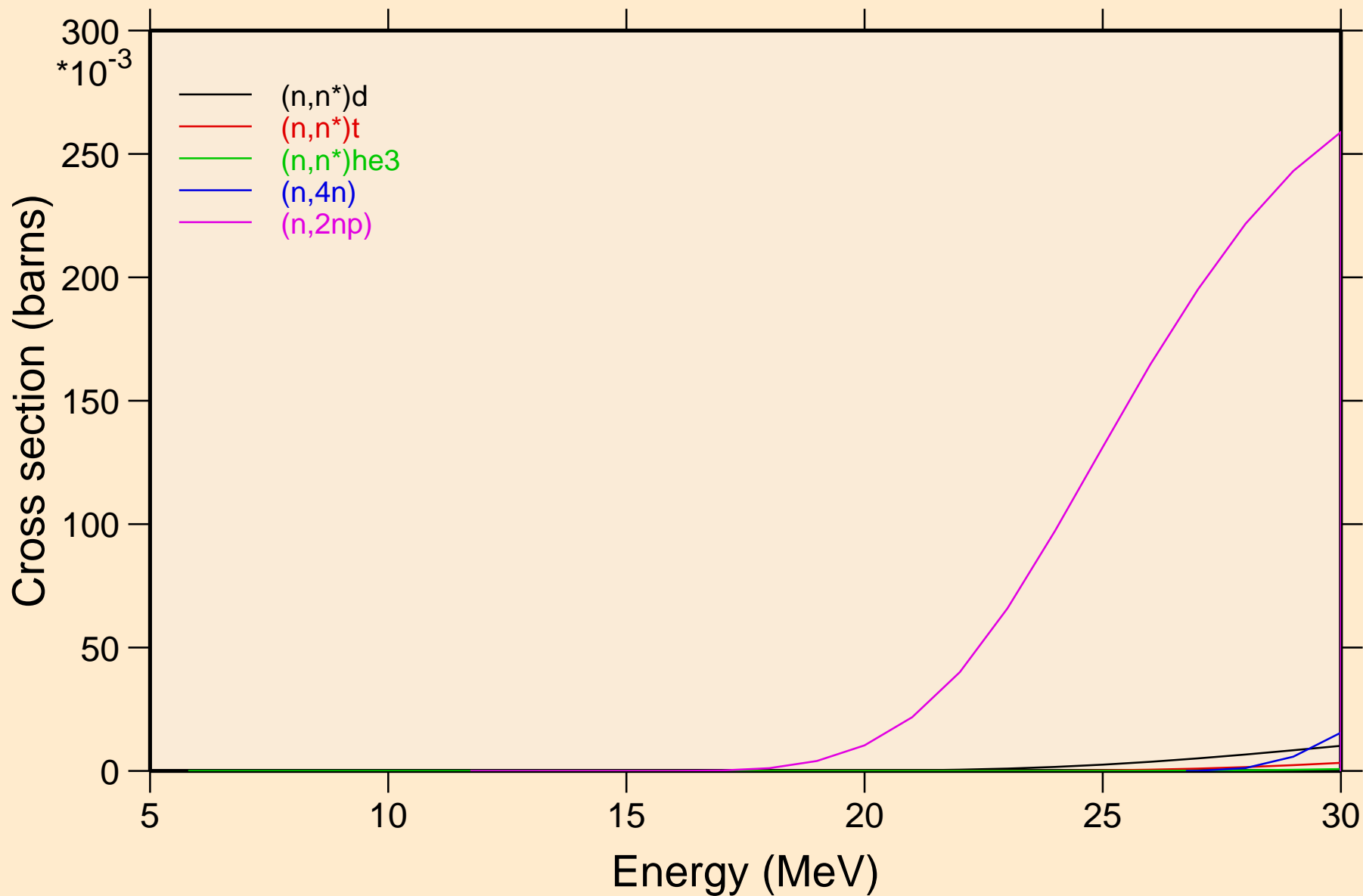
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



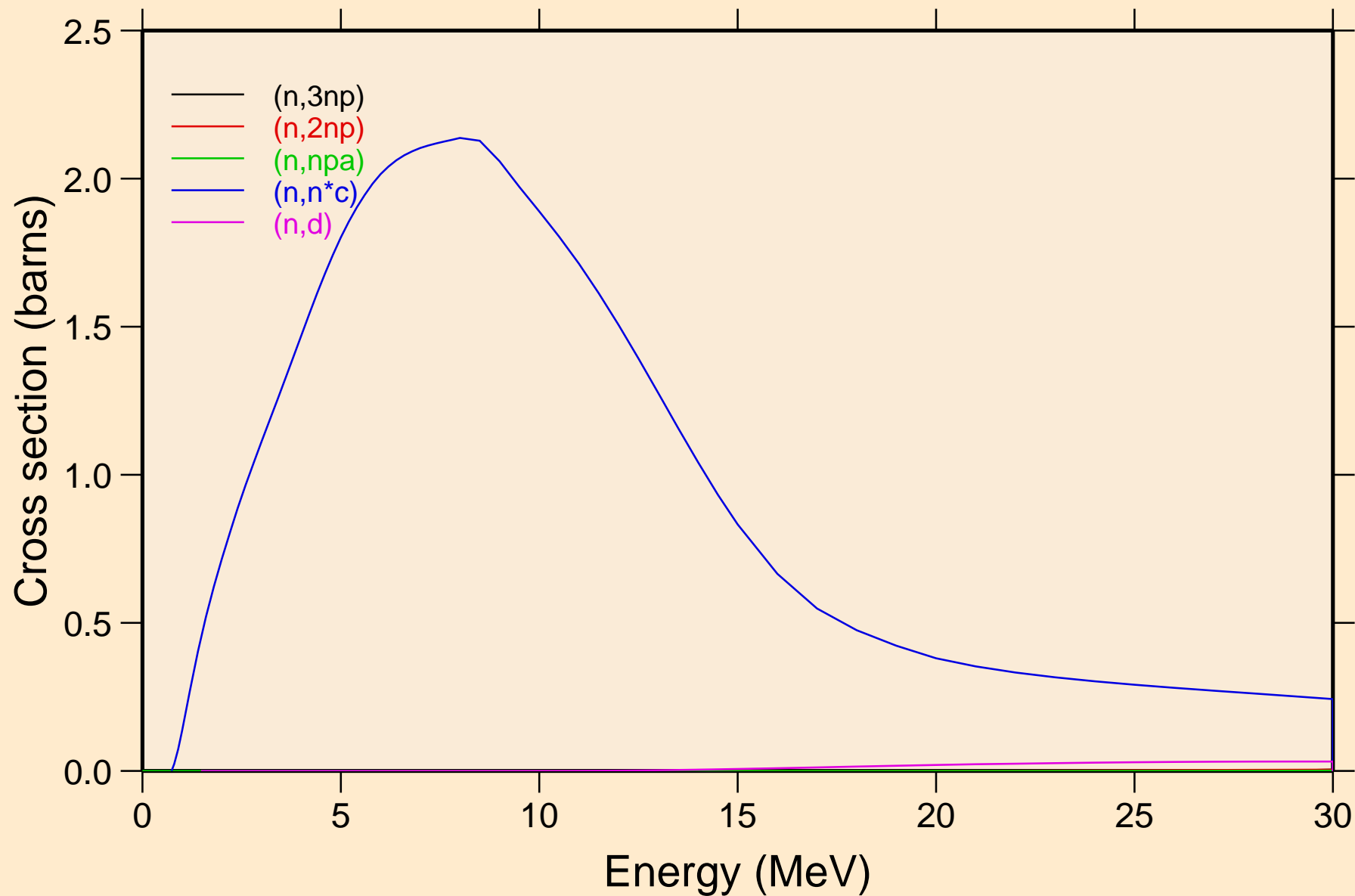
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



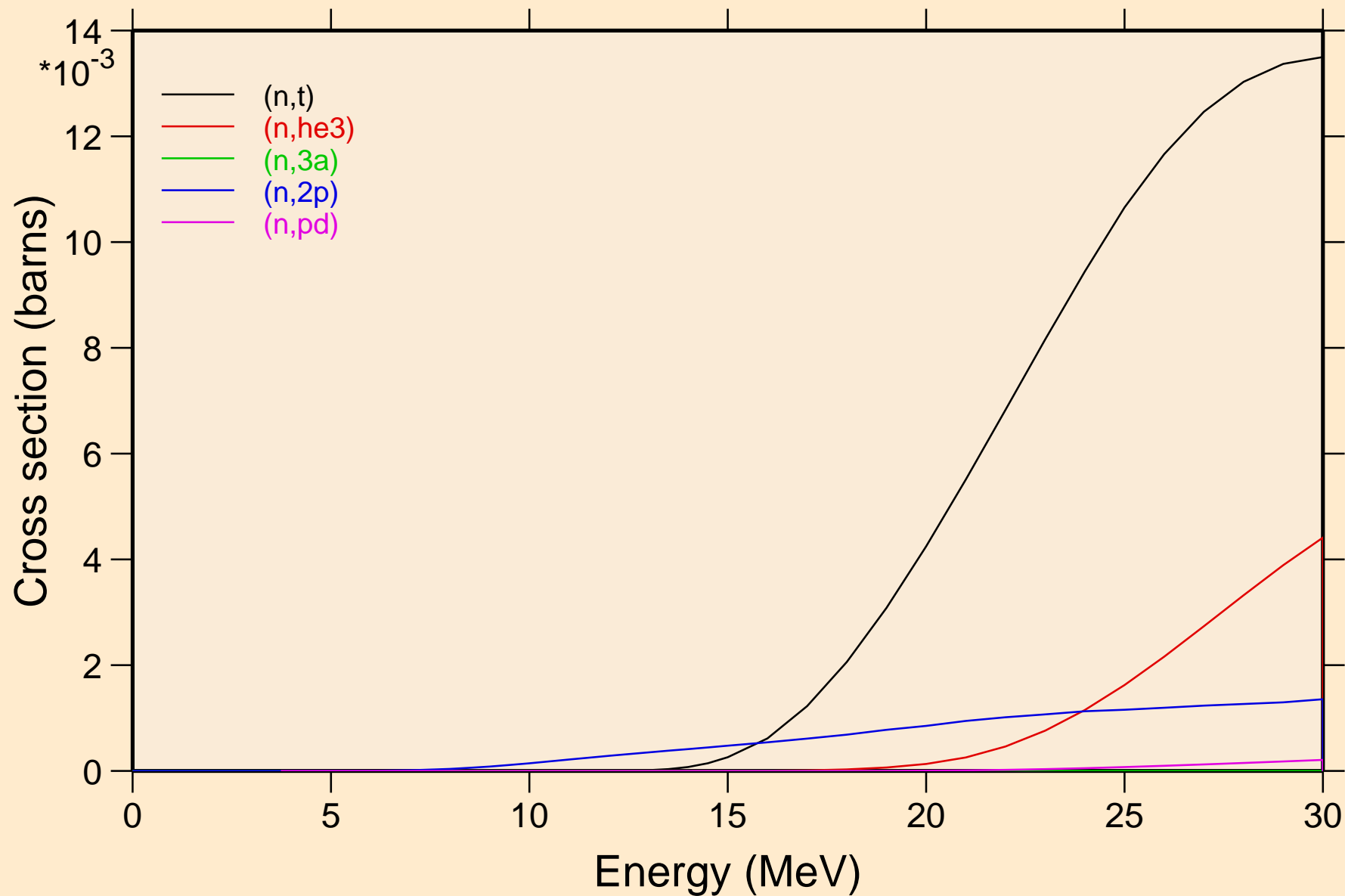
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



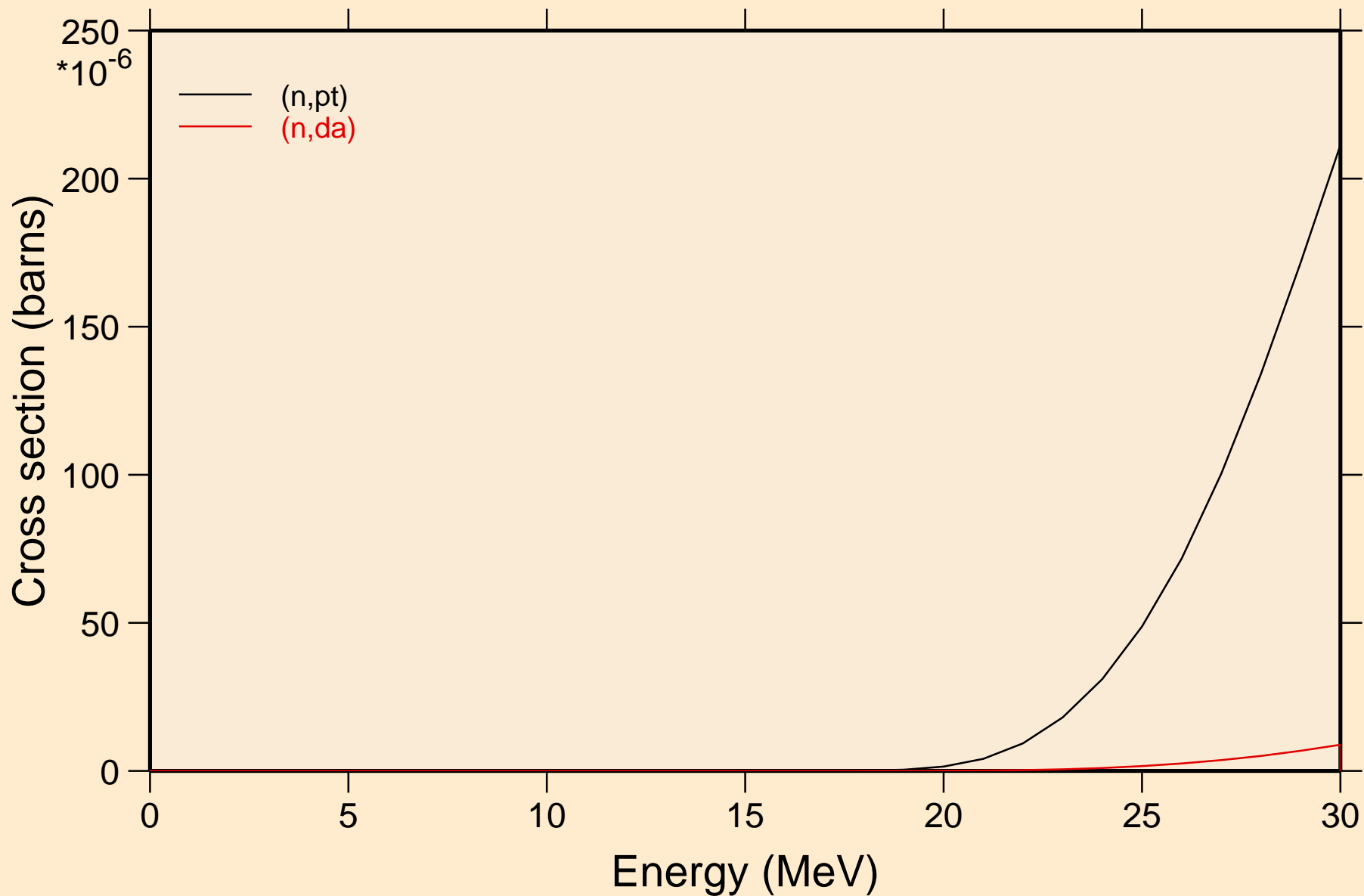
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



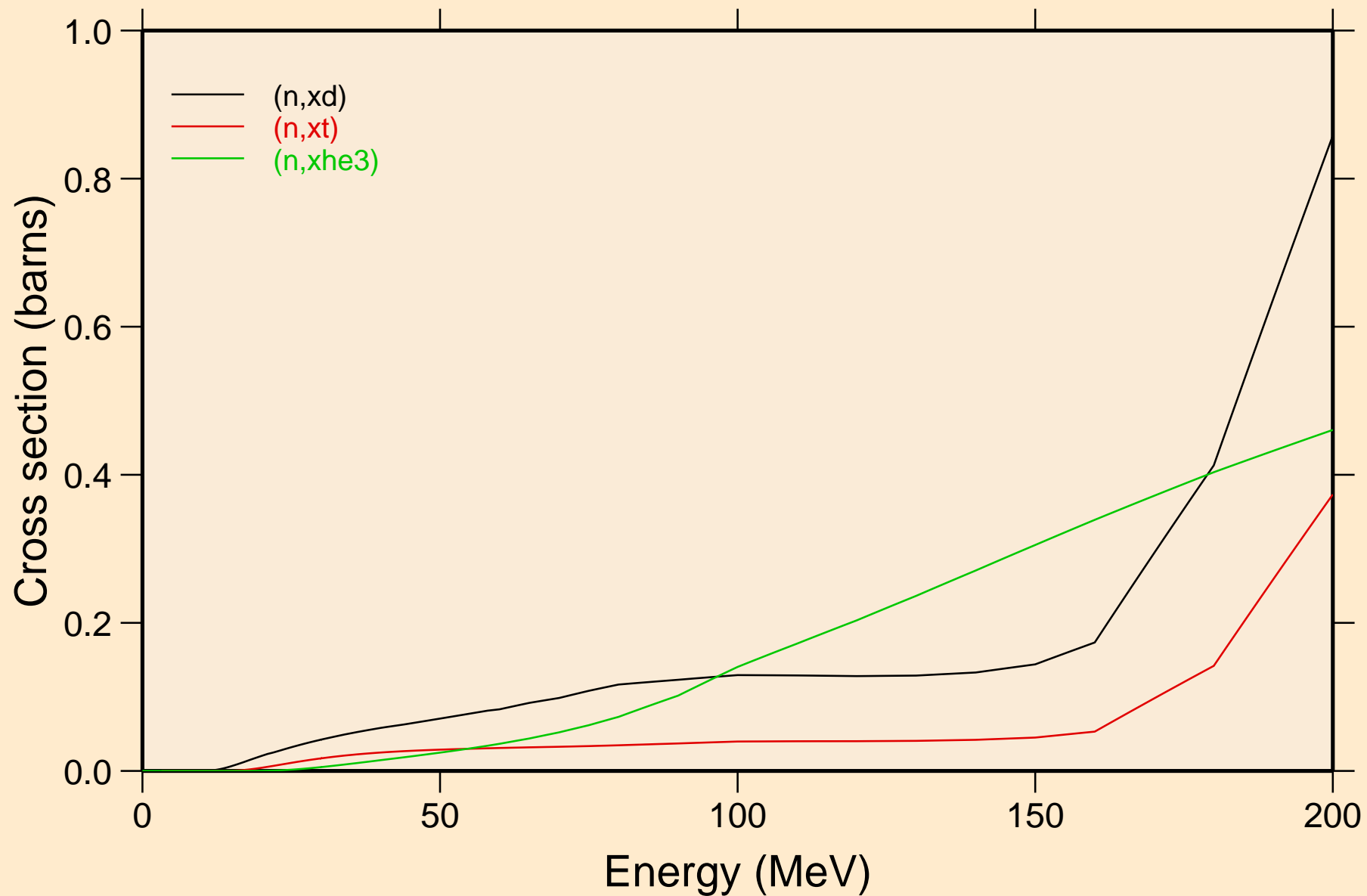
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



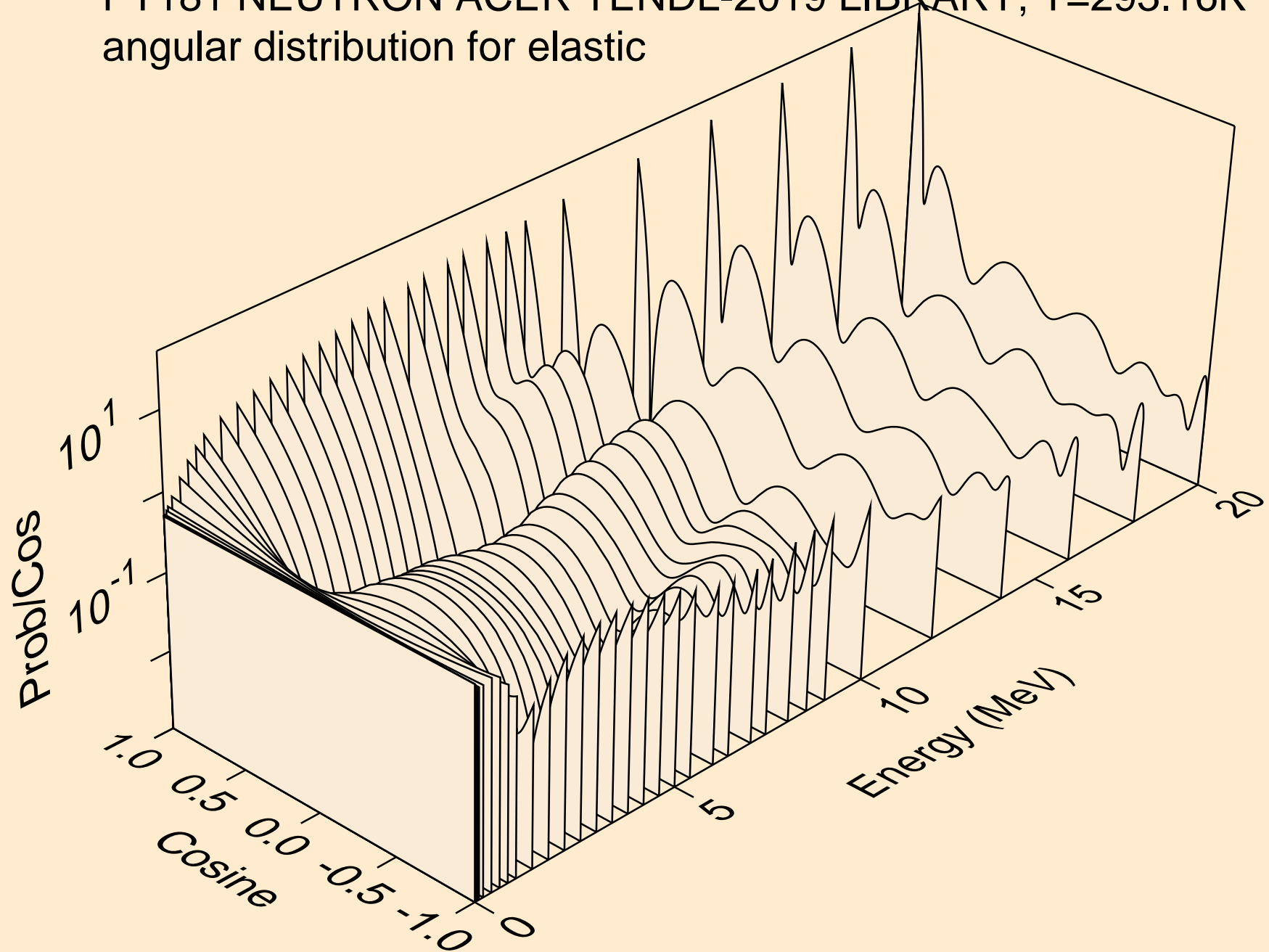
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



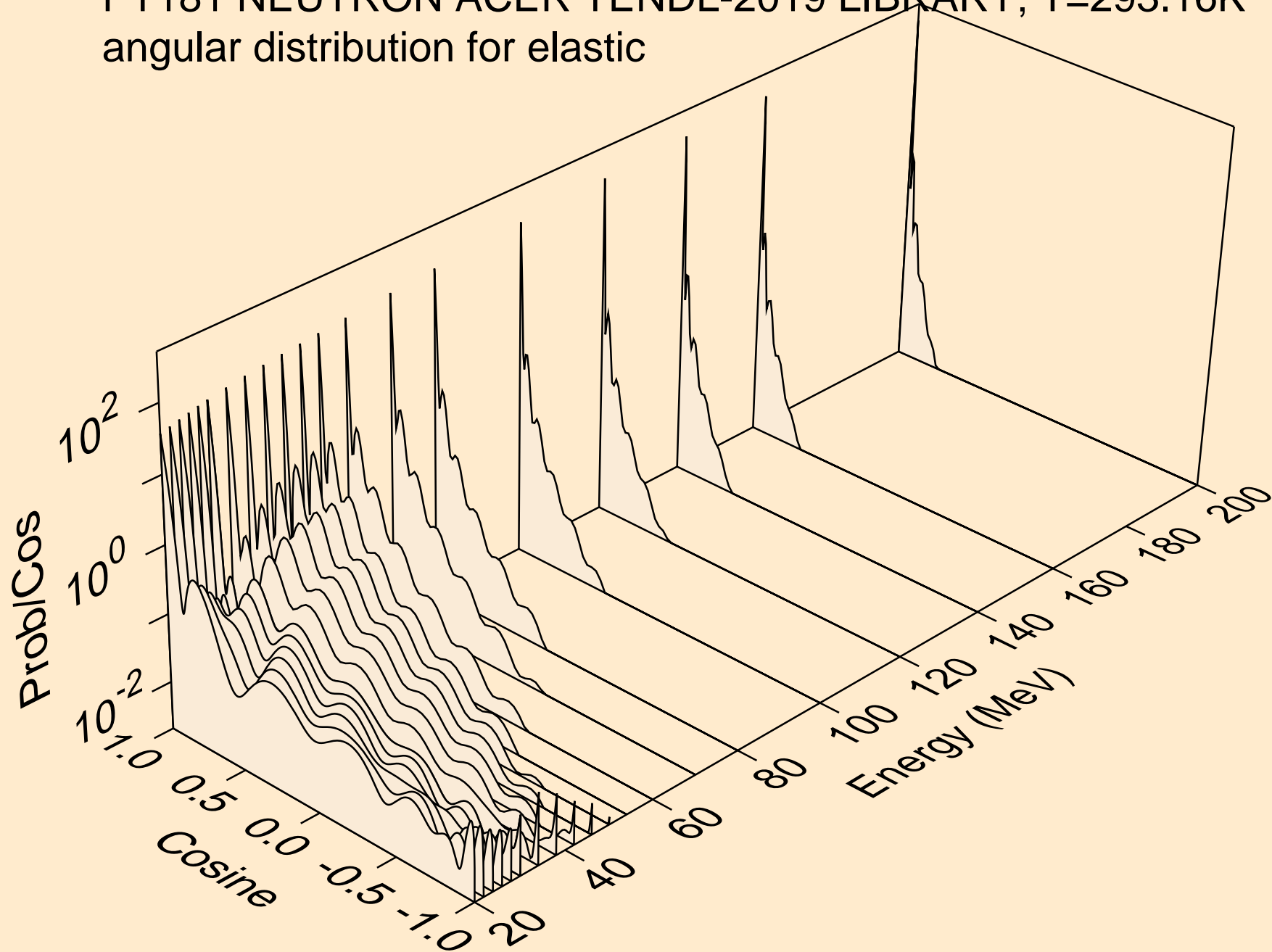
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



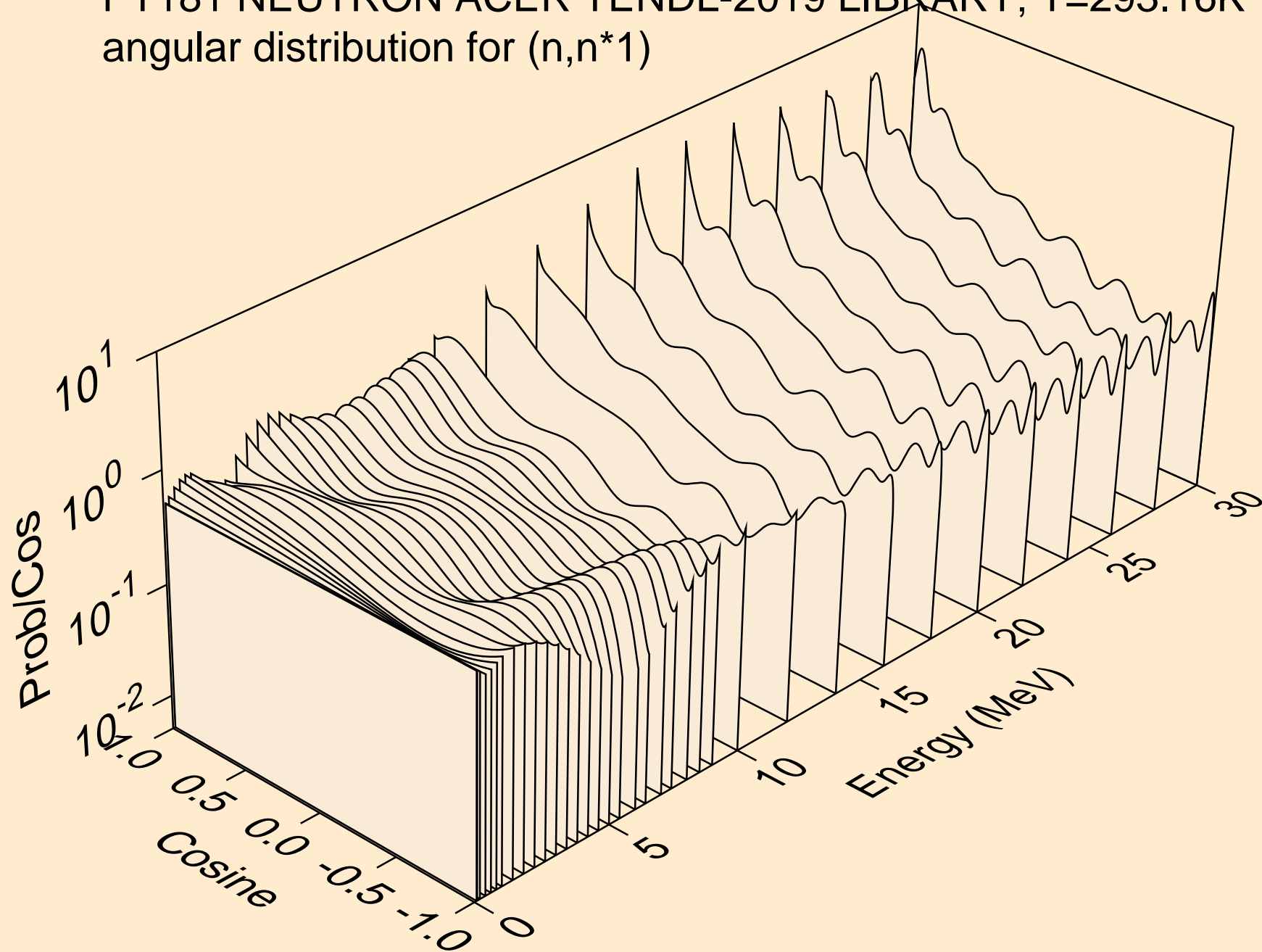
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



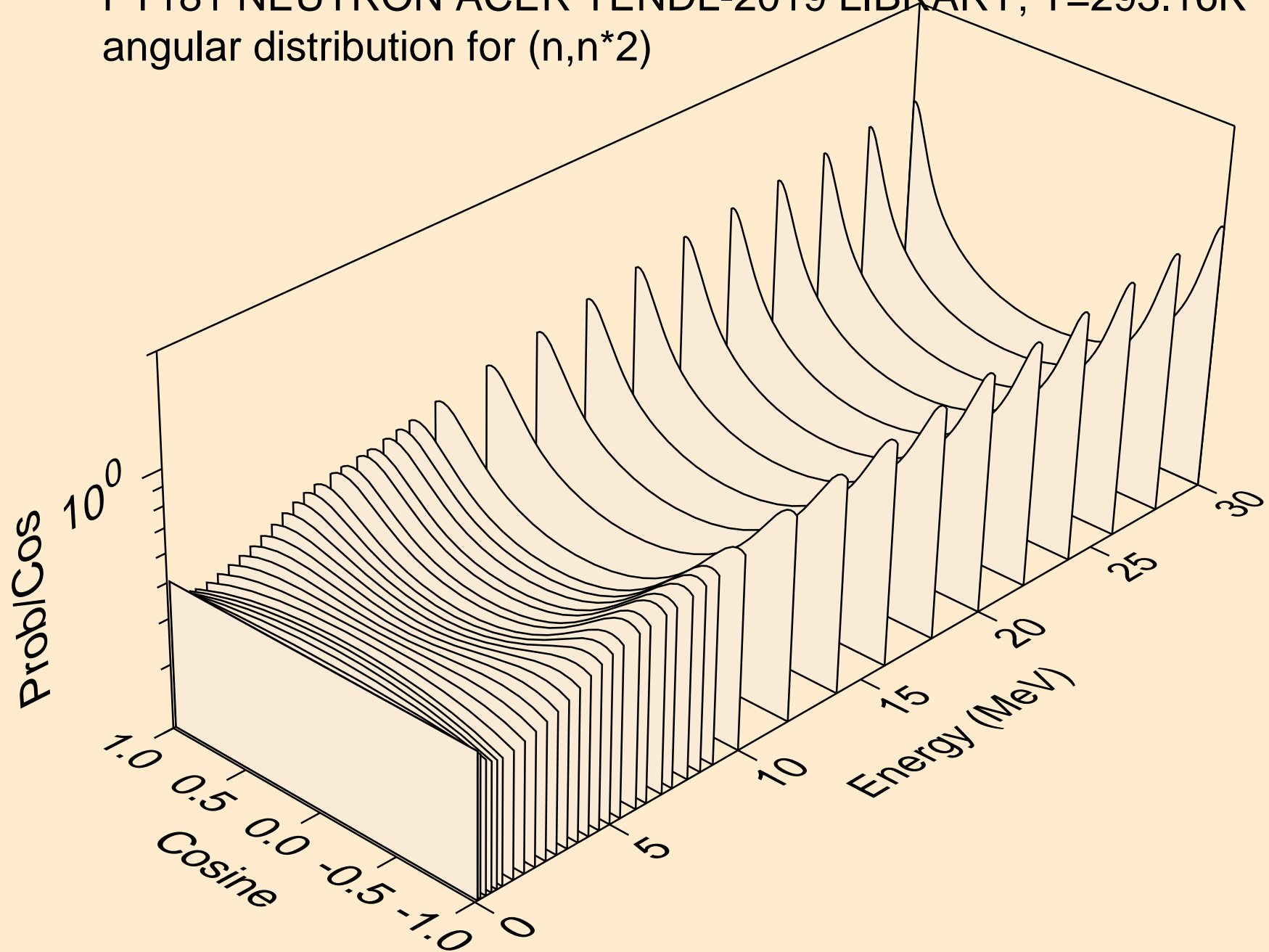
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



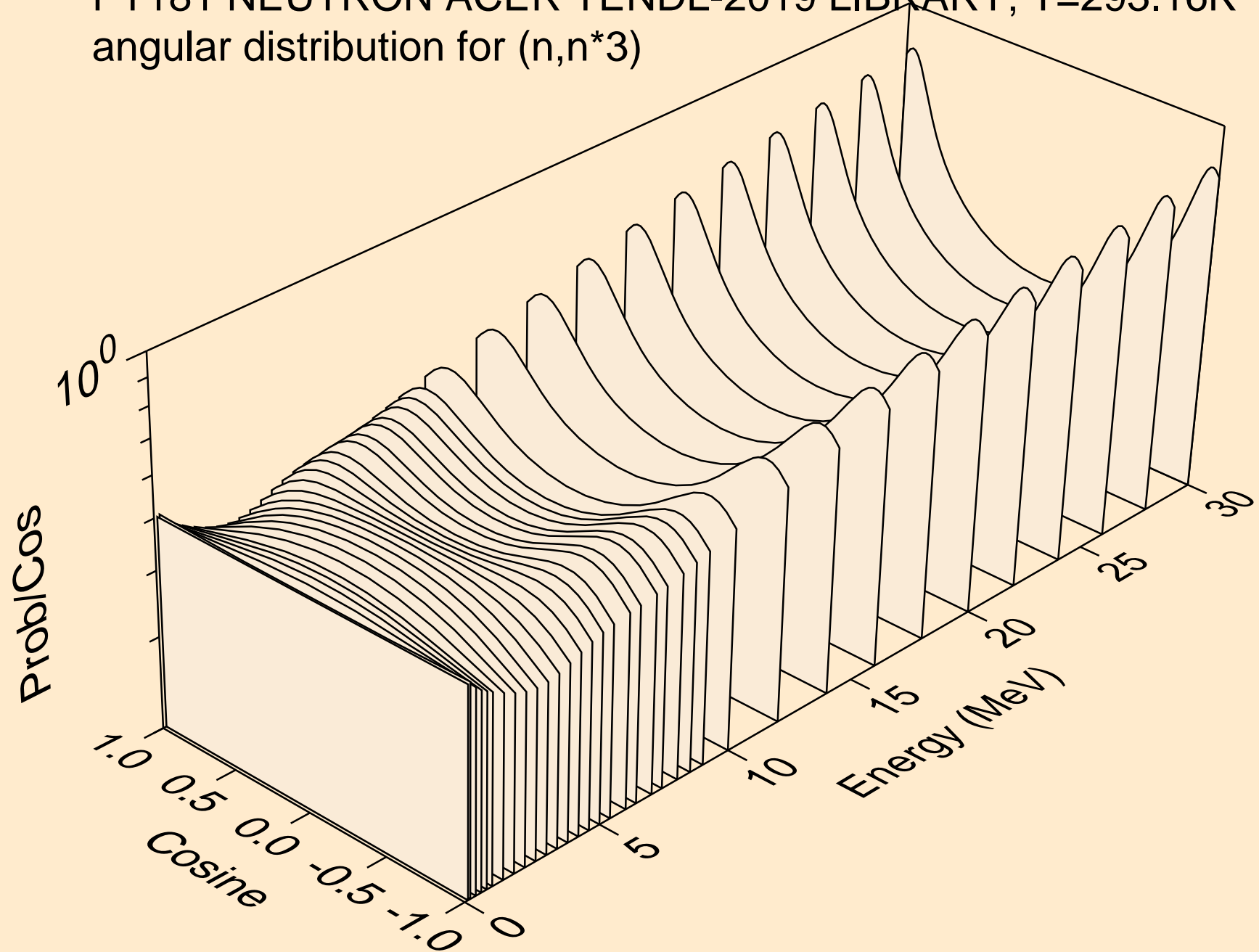
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



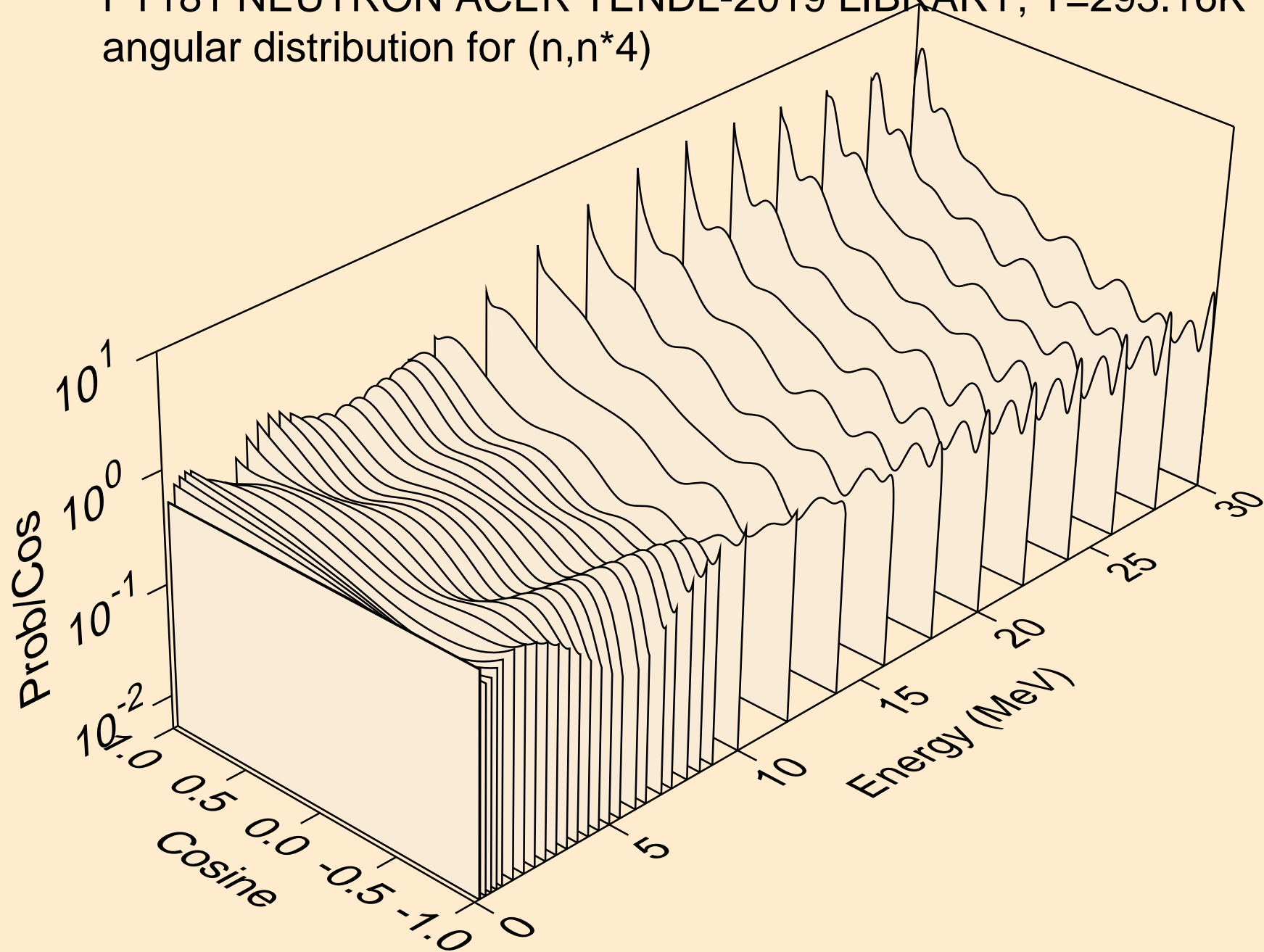
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



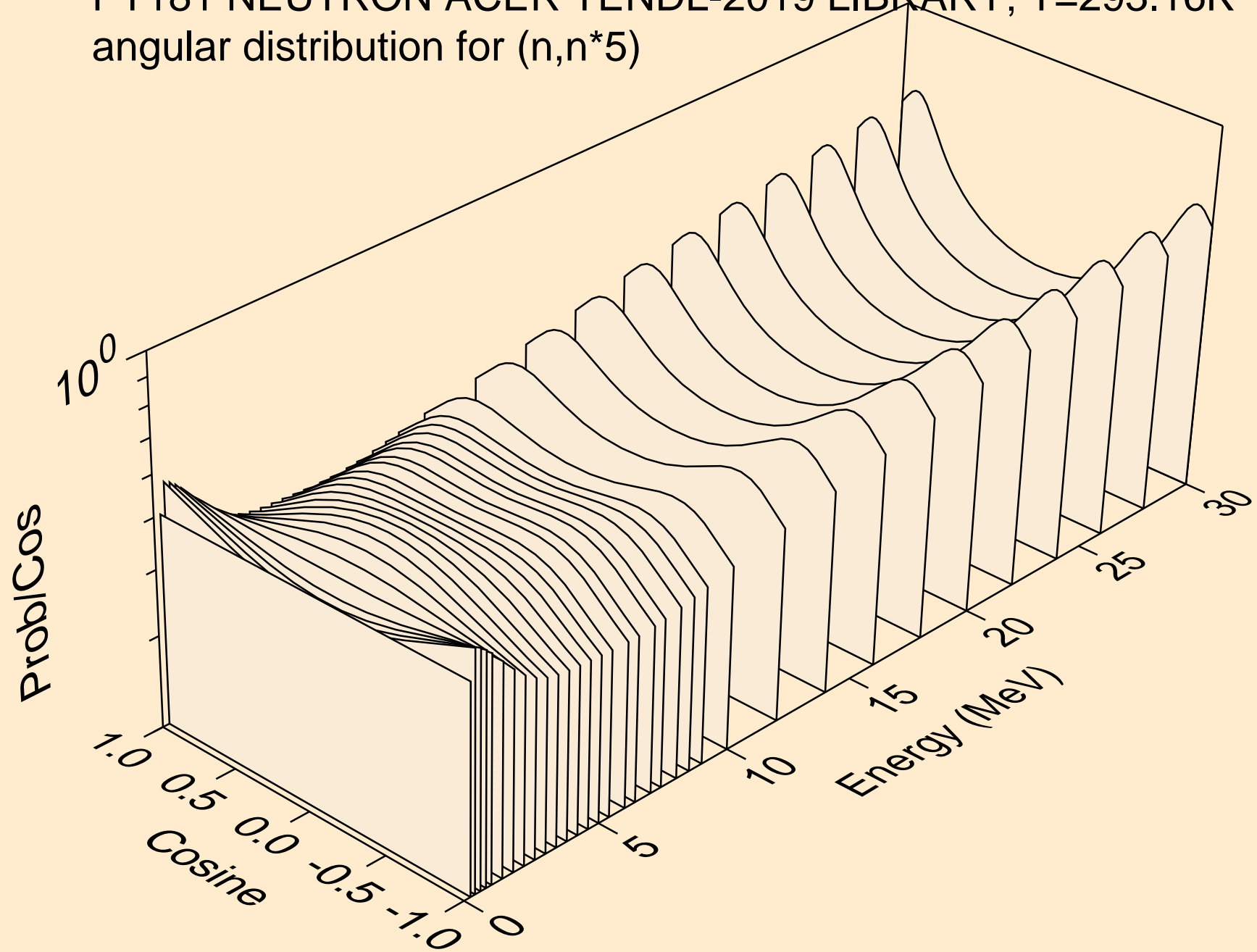
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



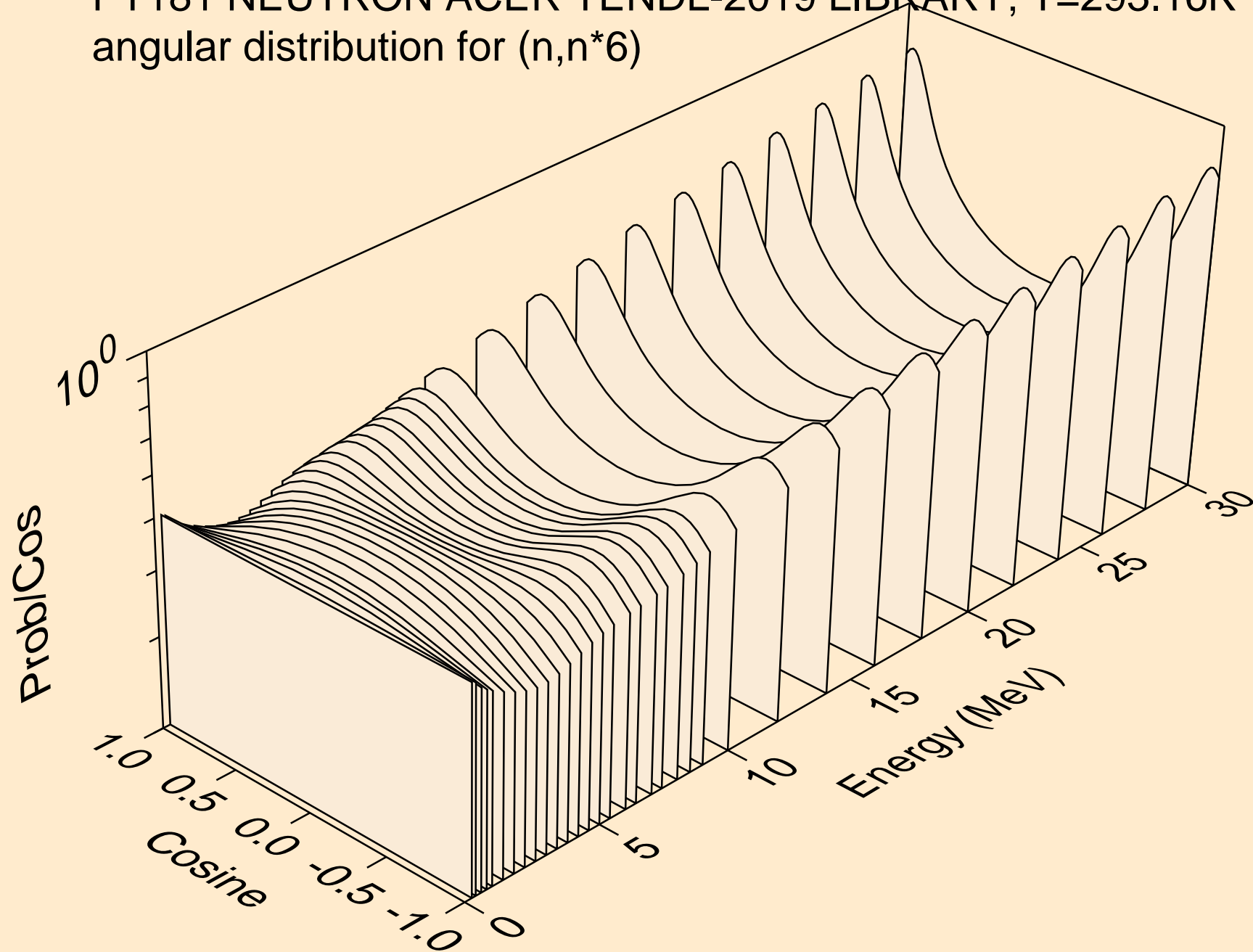
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



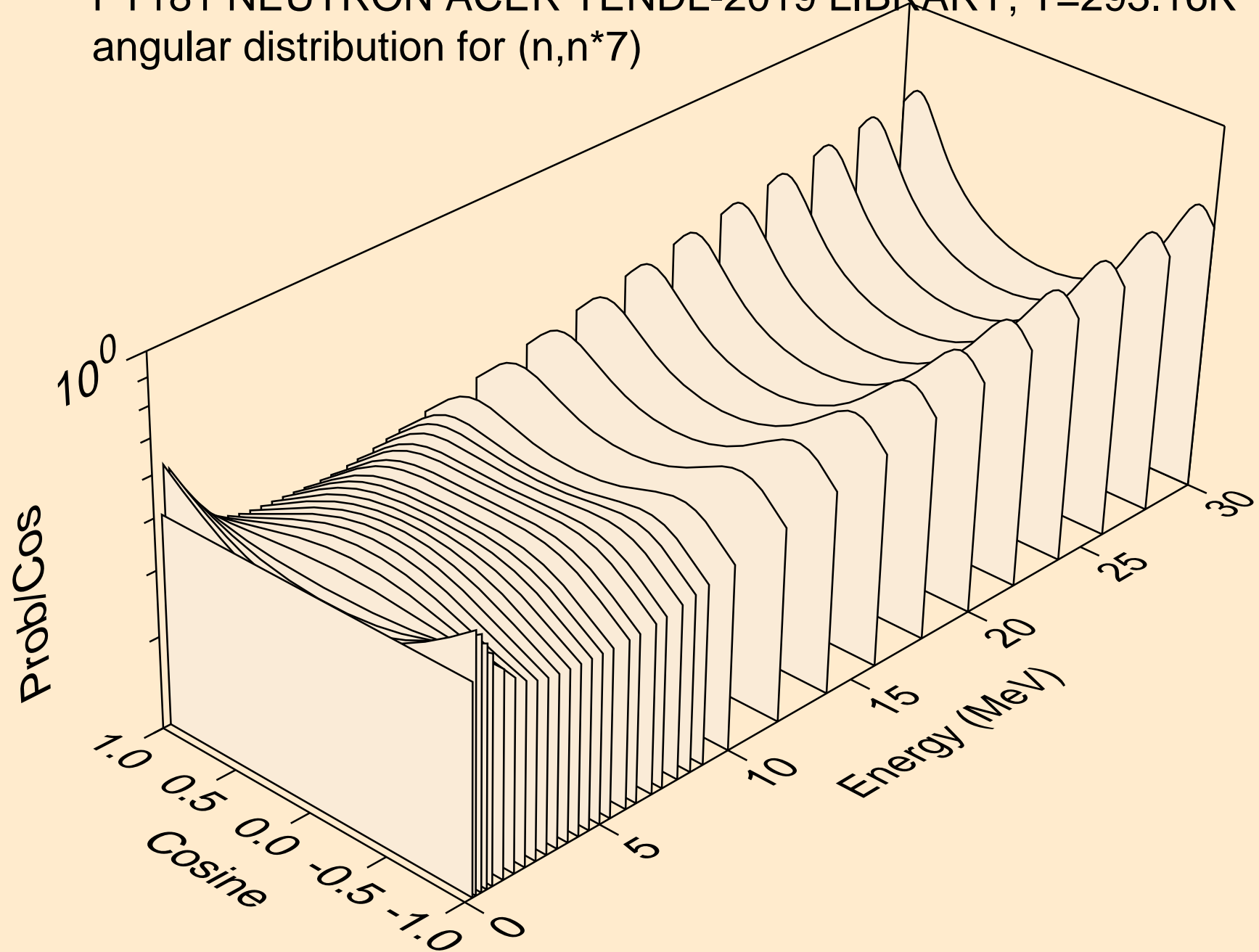
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



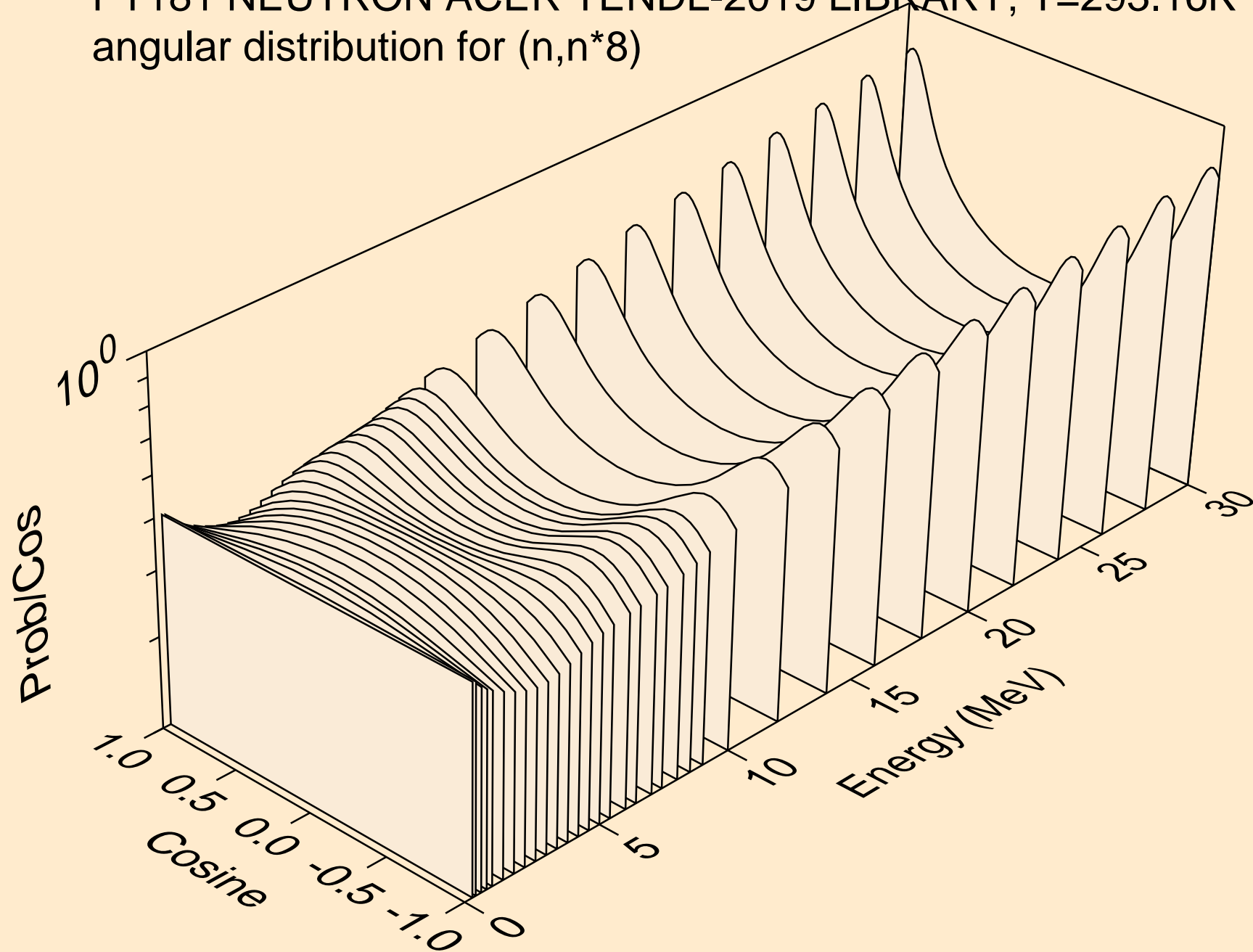
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



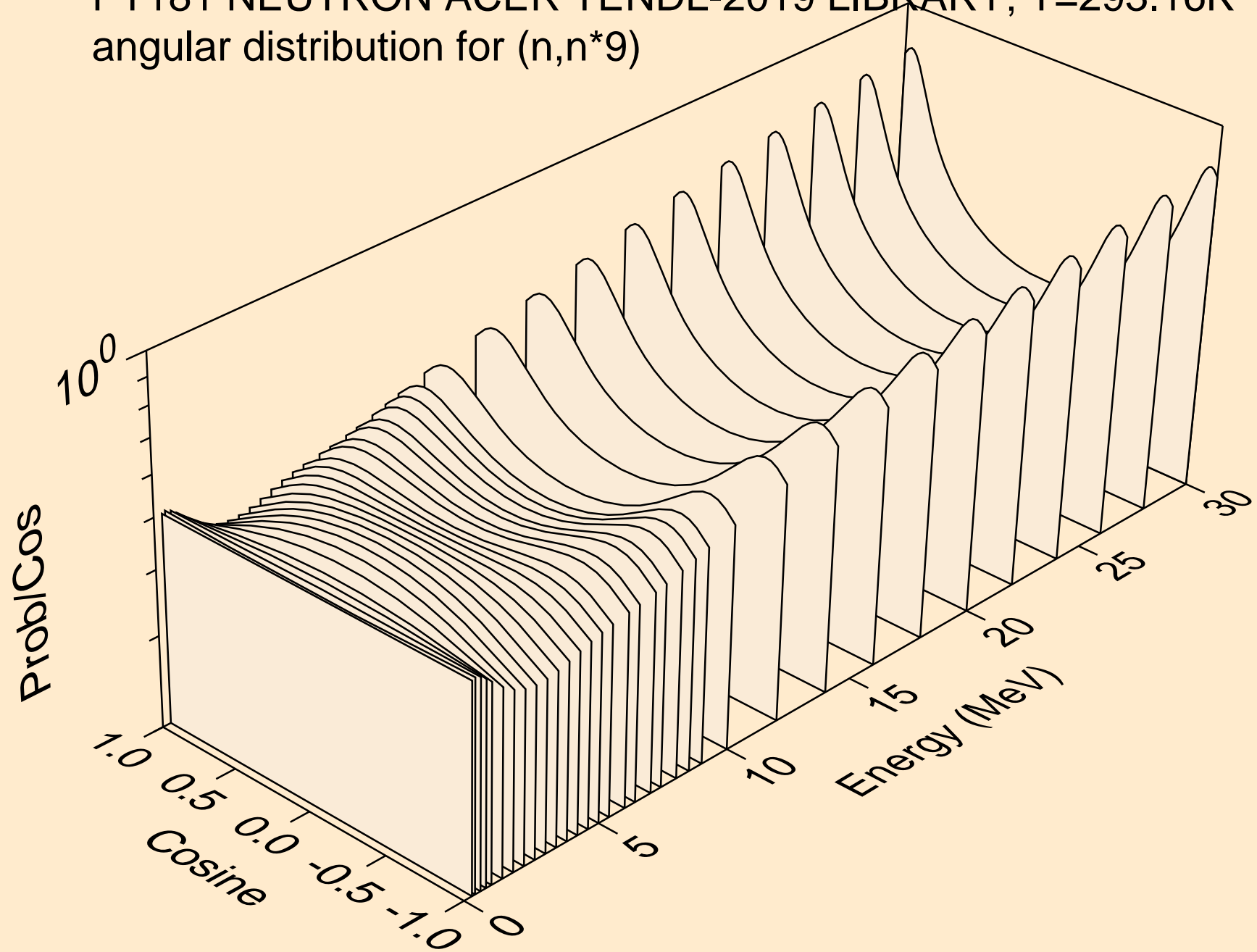
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



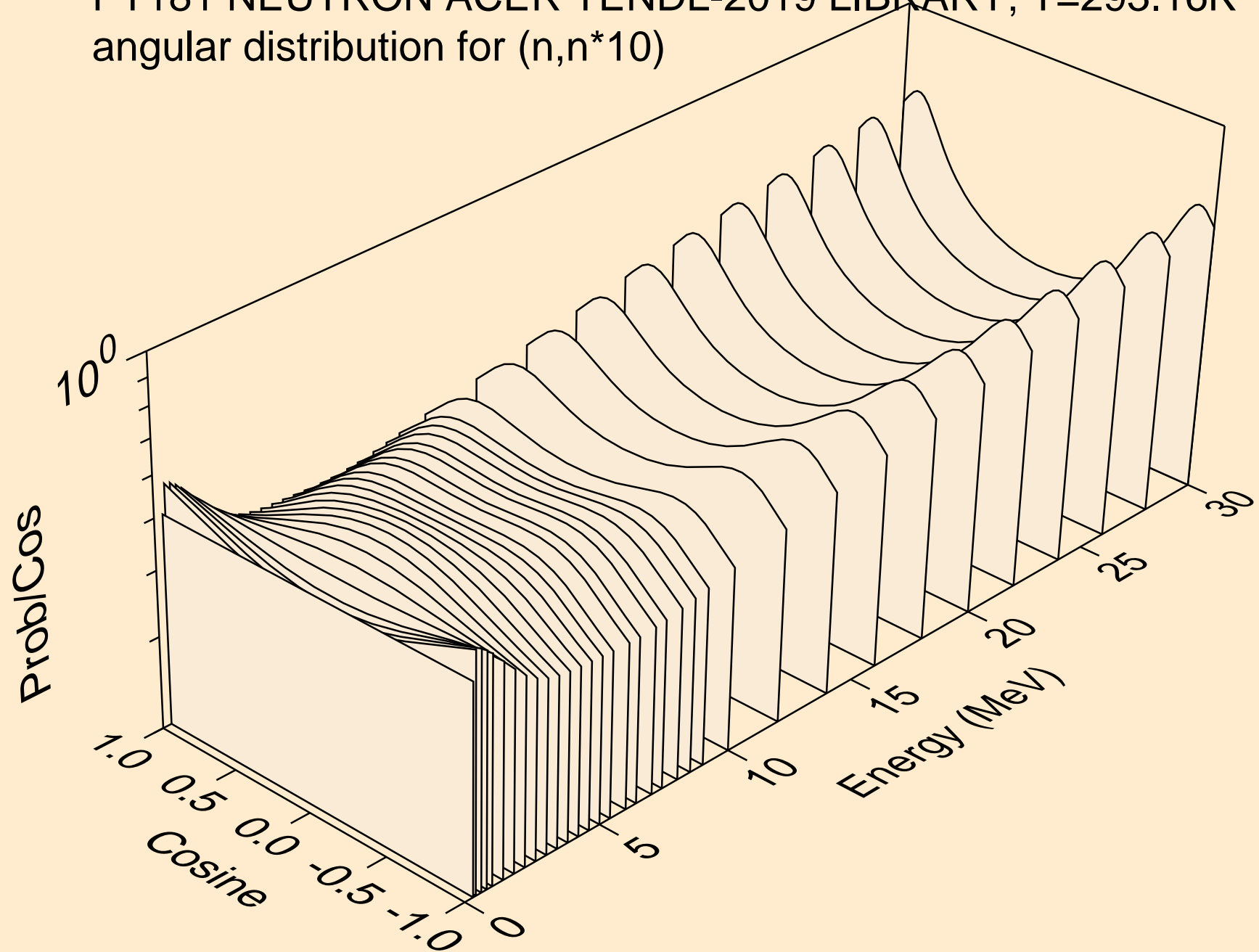
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



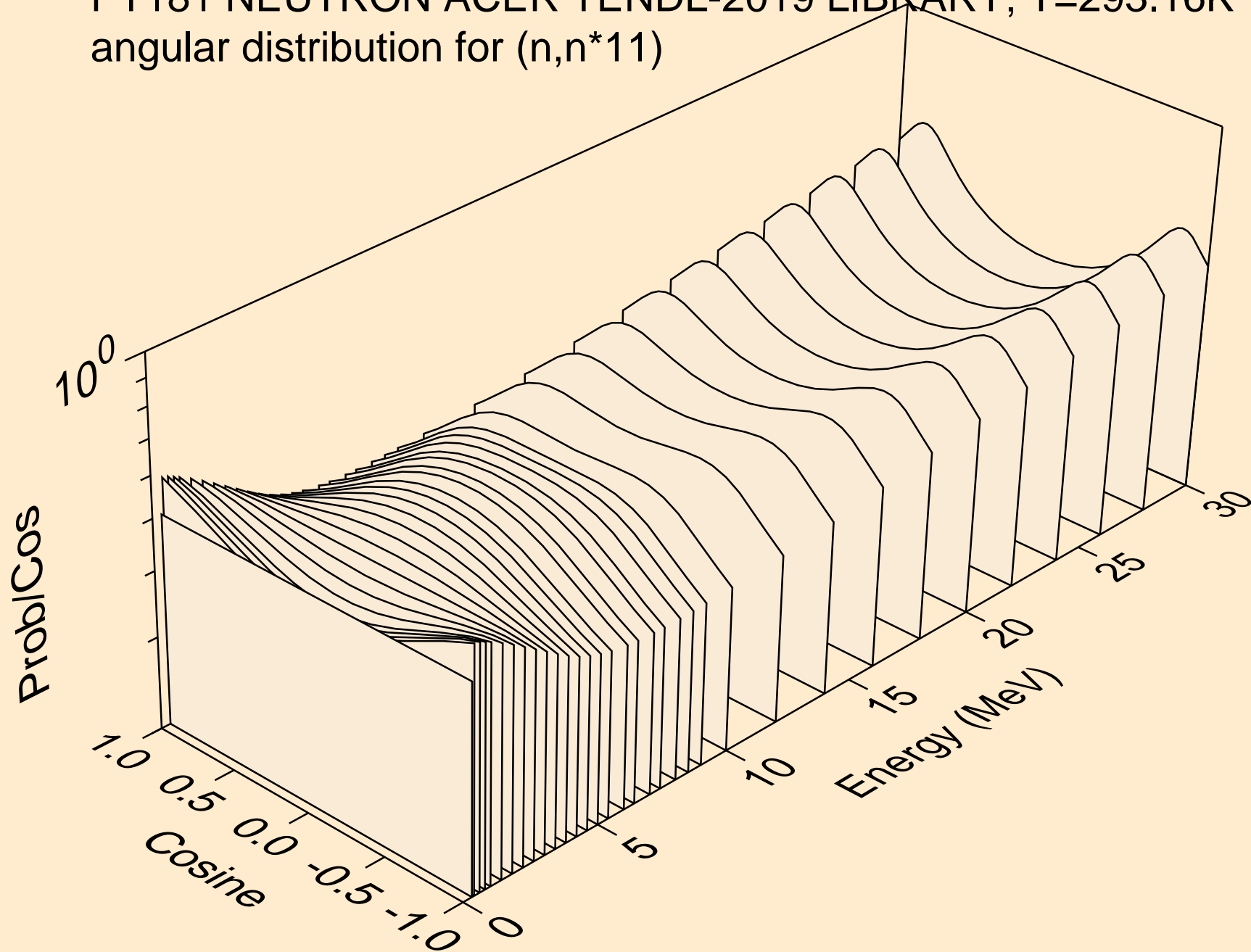
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



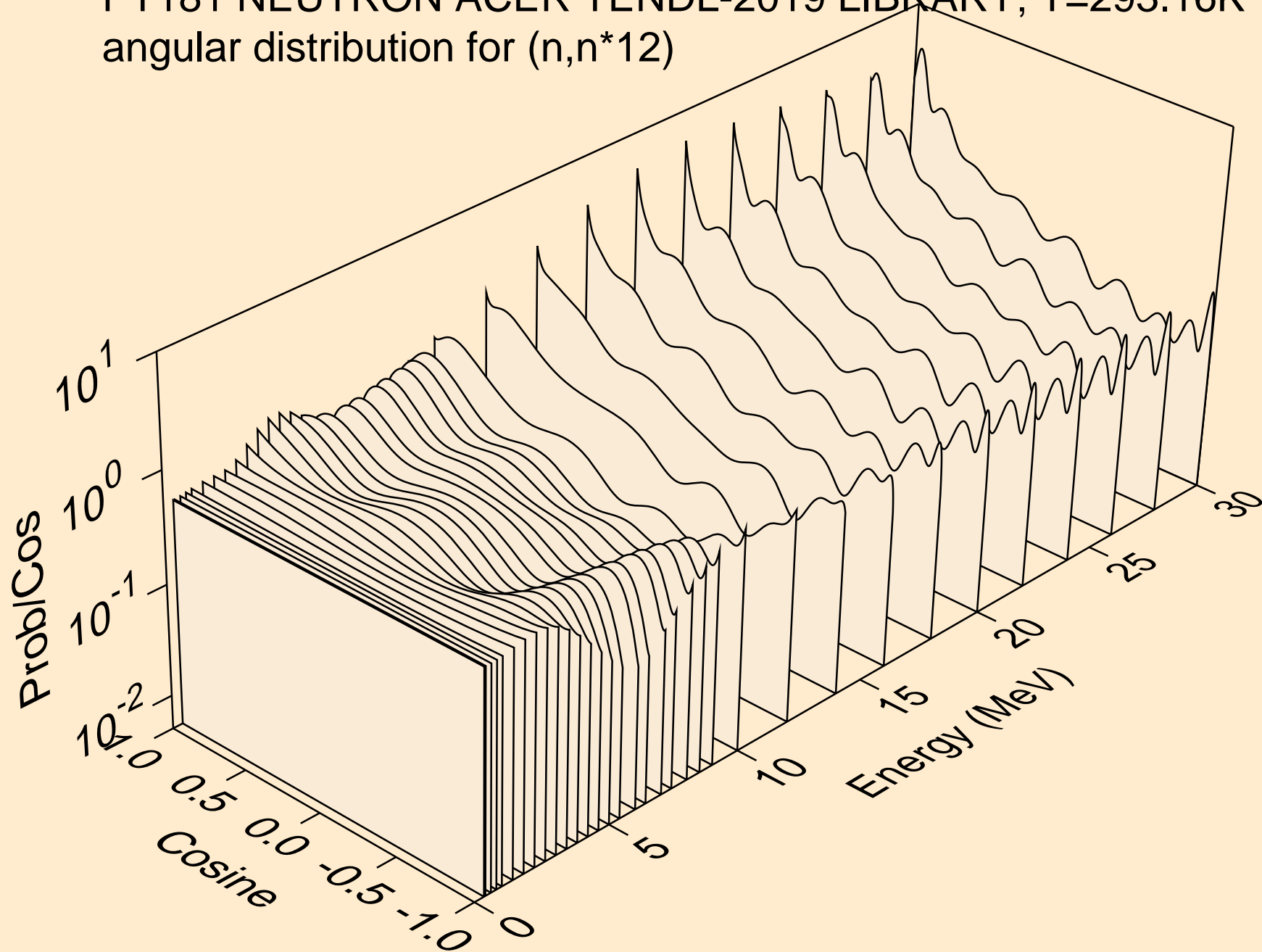
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



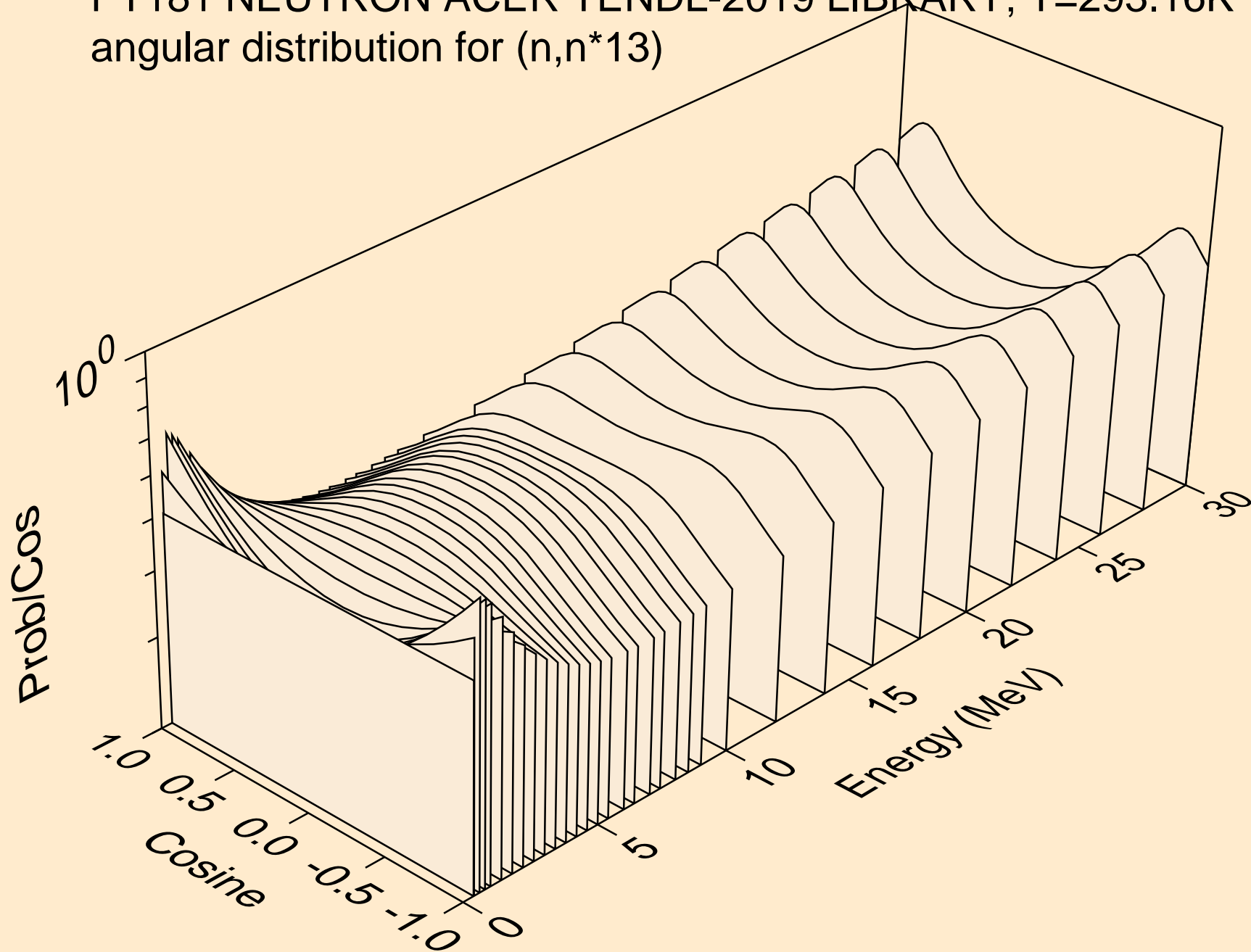
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



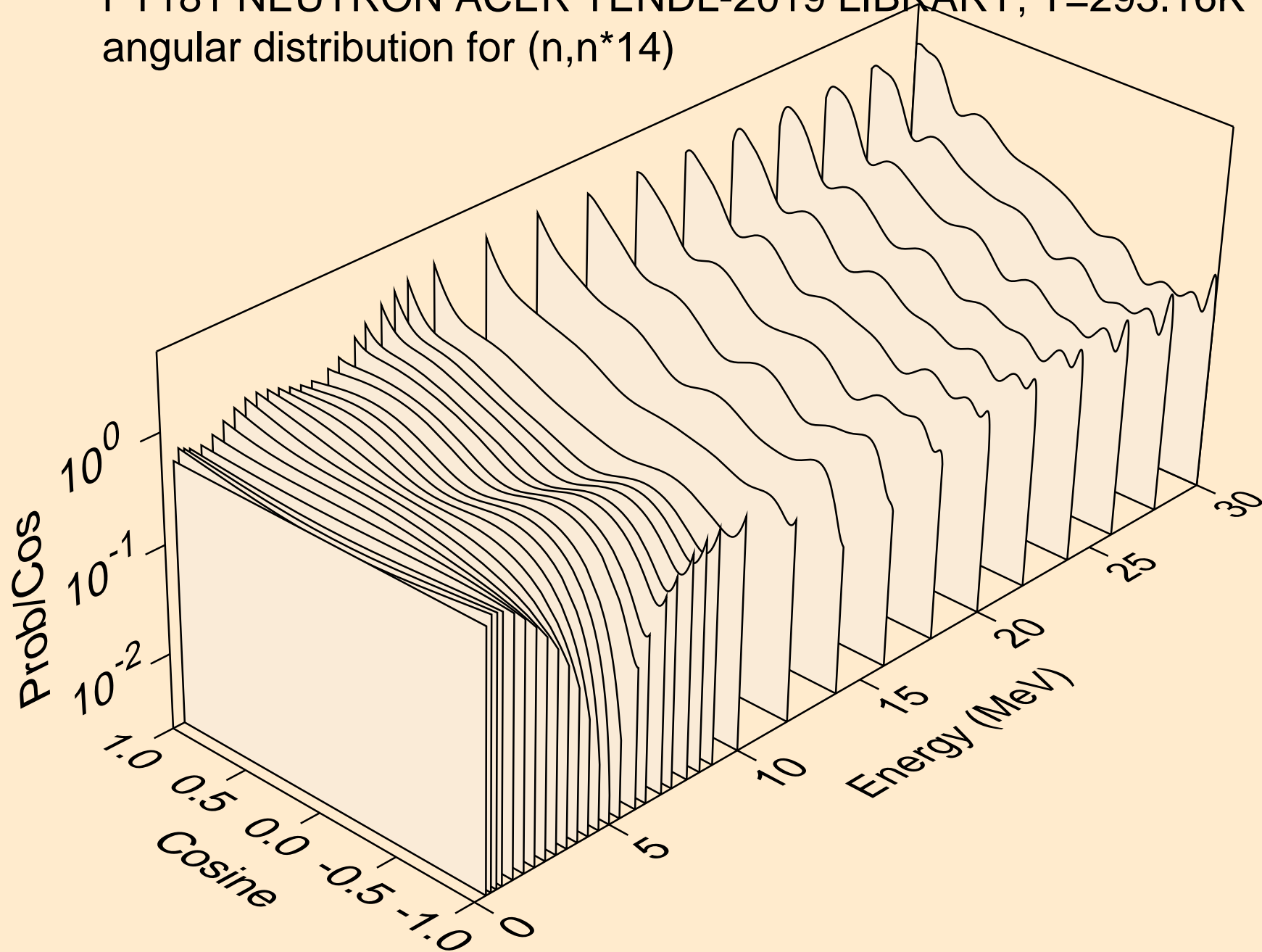
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



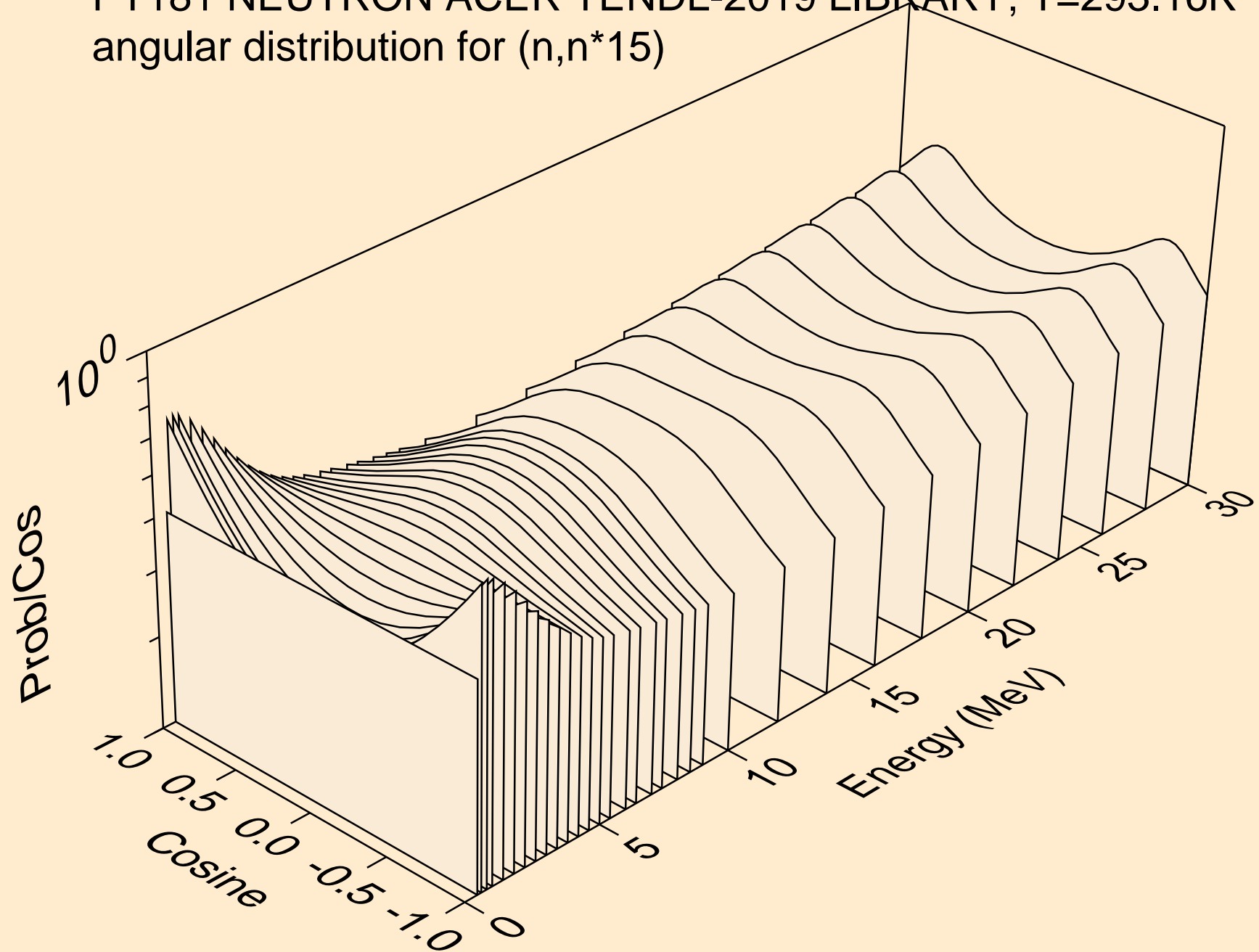
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



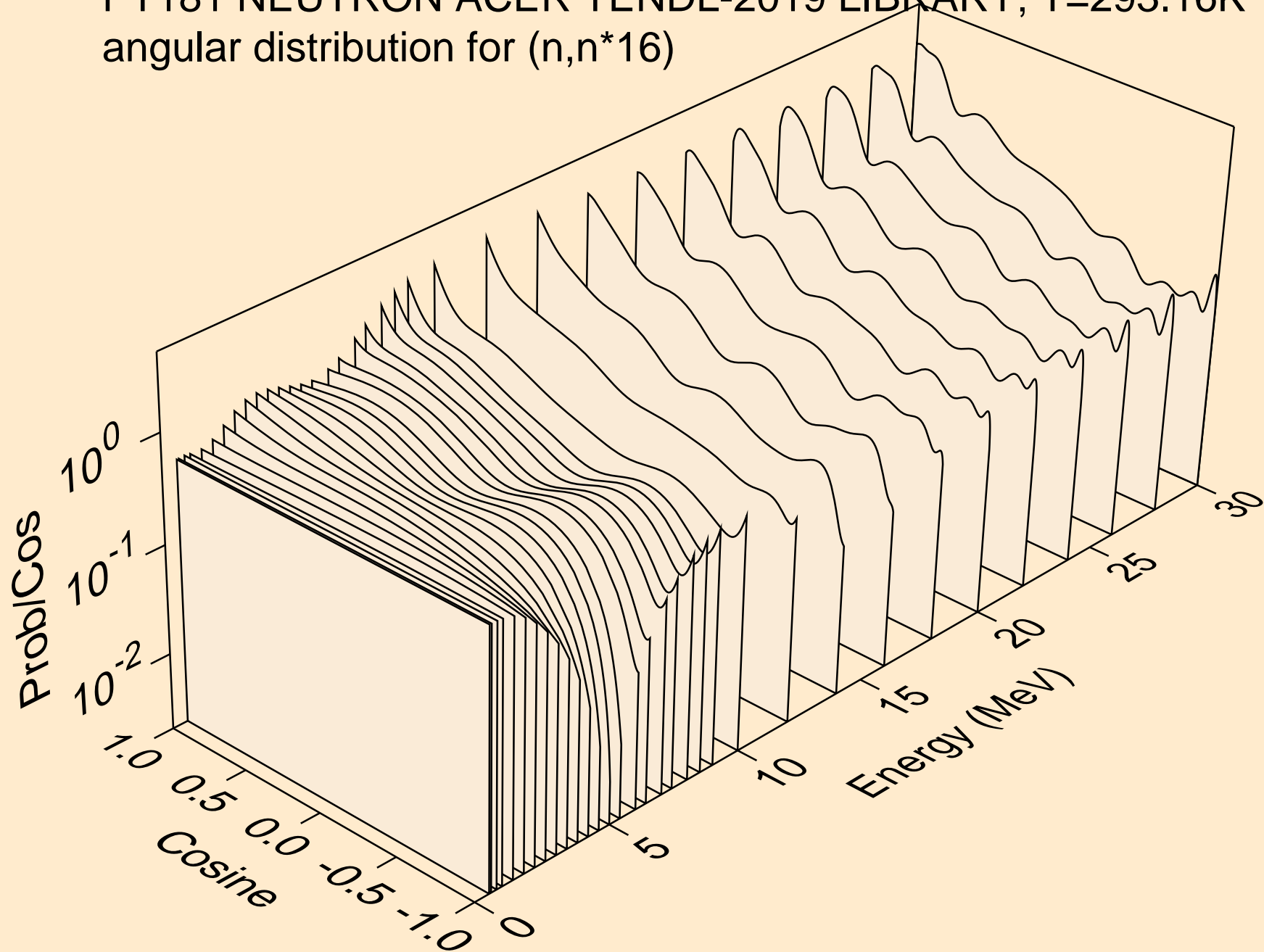
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angular distribution for (n,n*14)



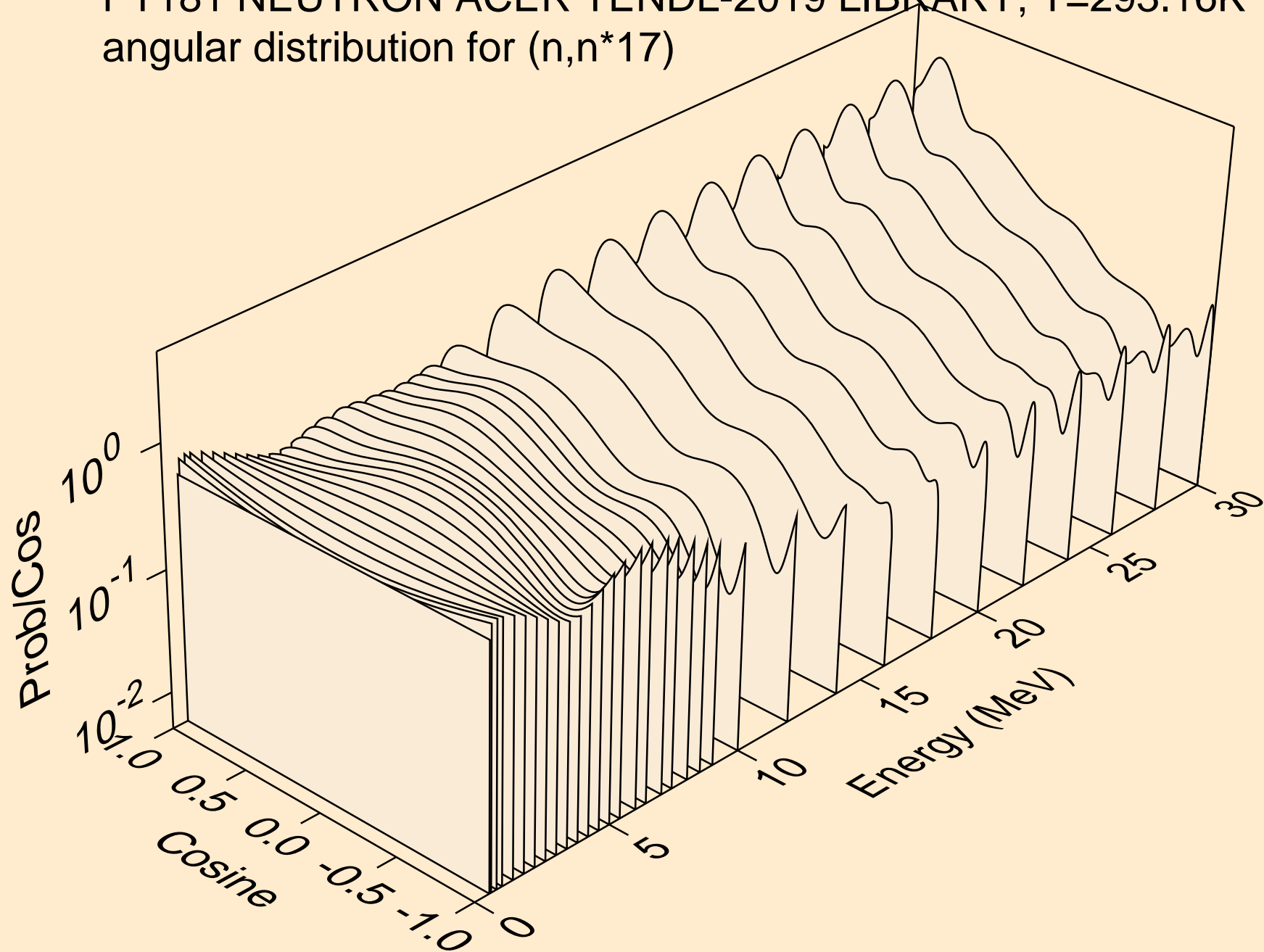
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



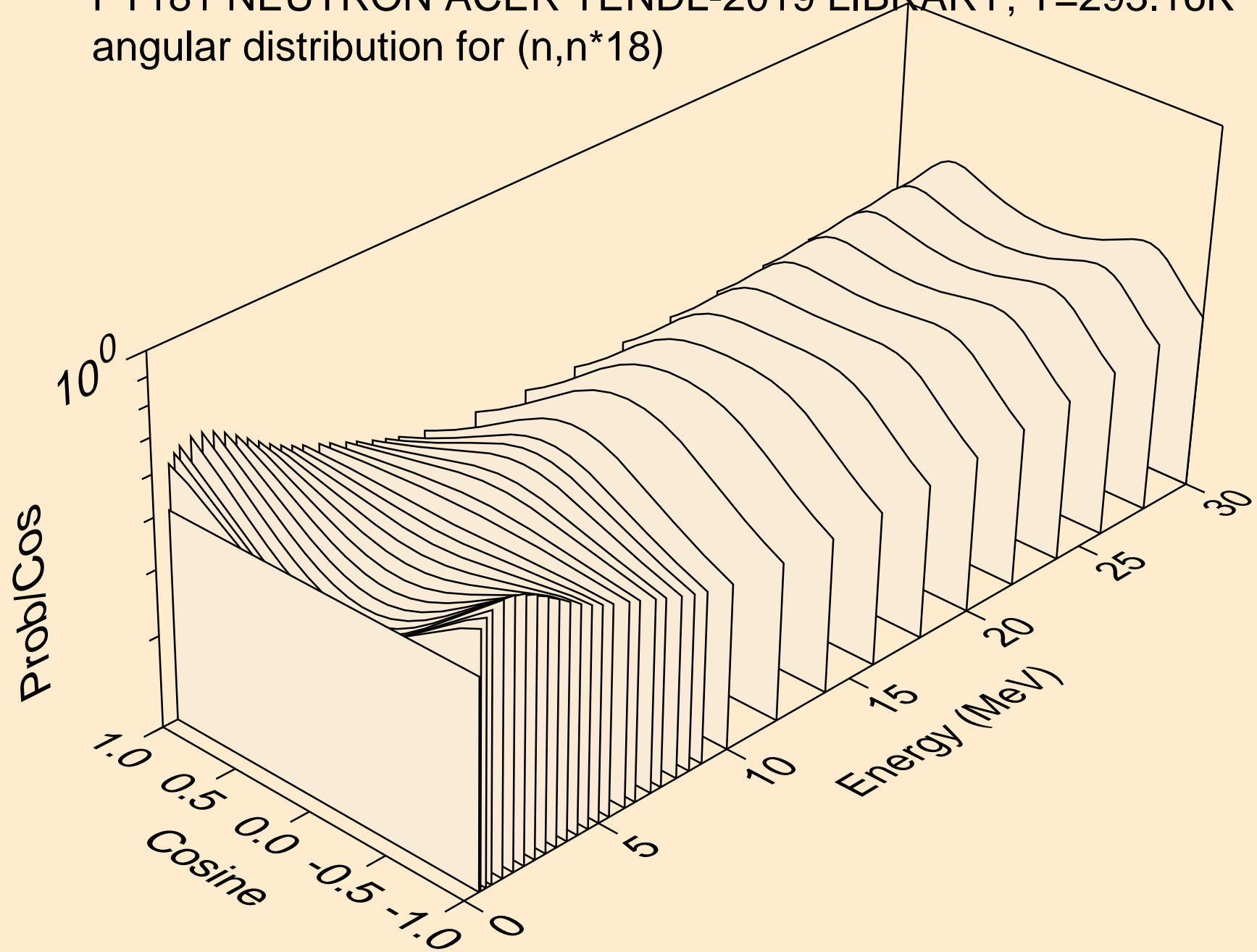
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angular distribution for (n,n*16)



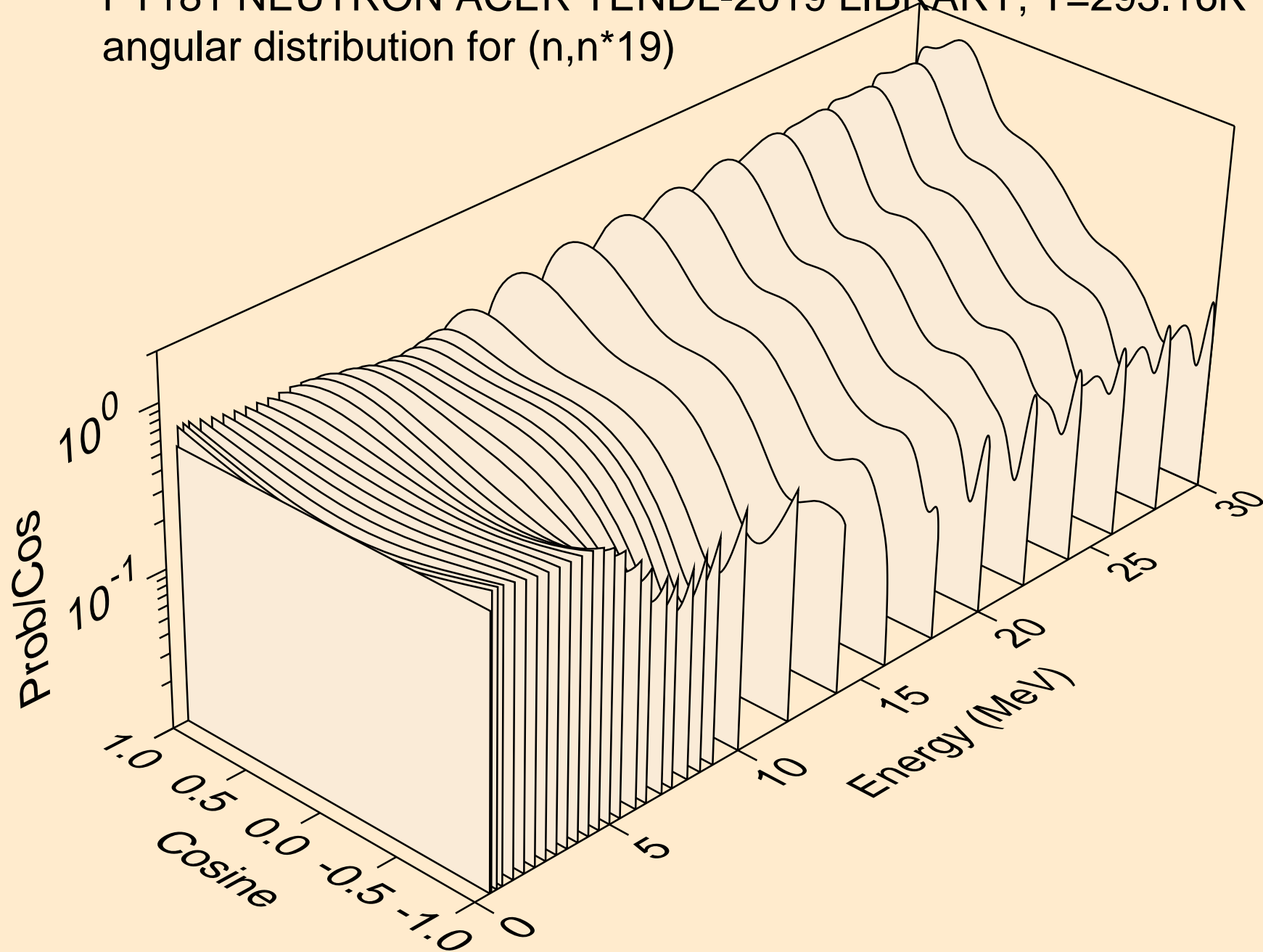
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angular distribution for (n,n*17)



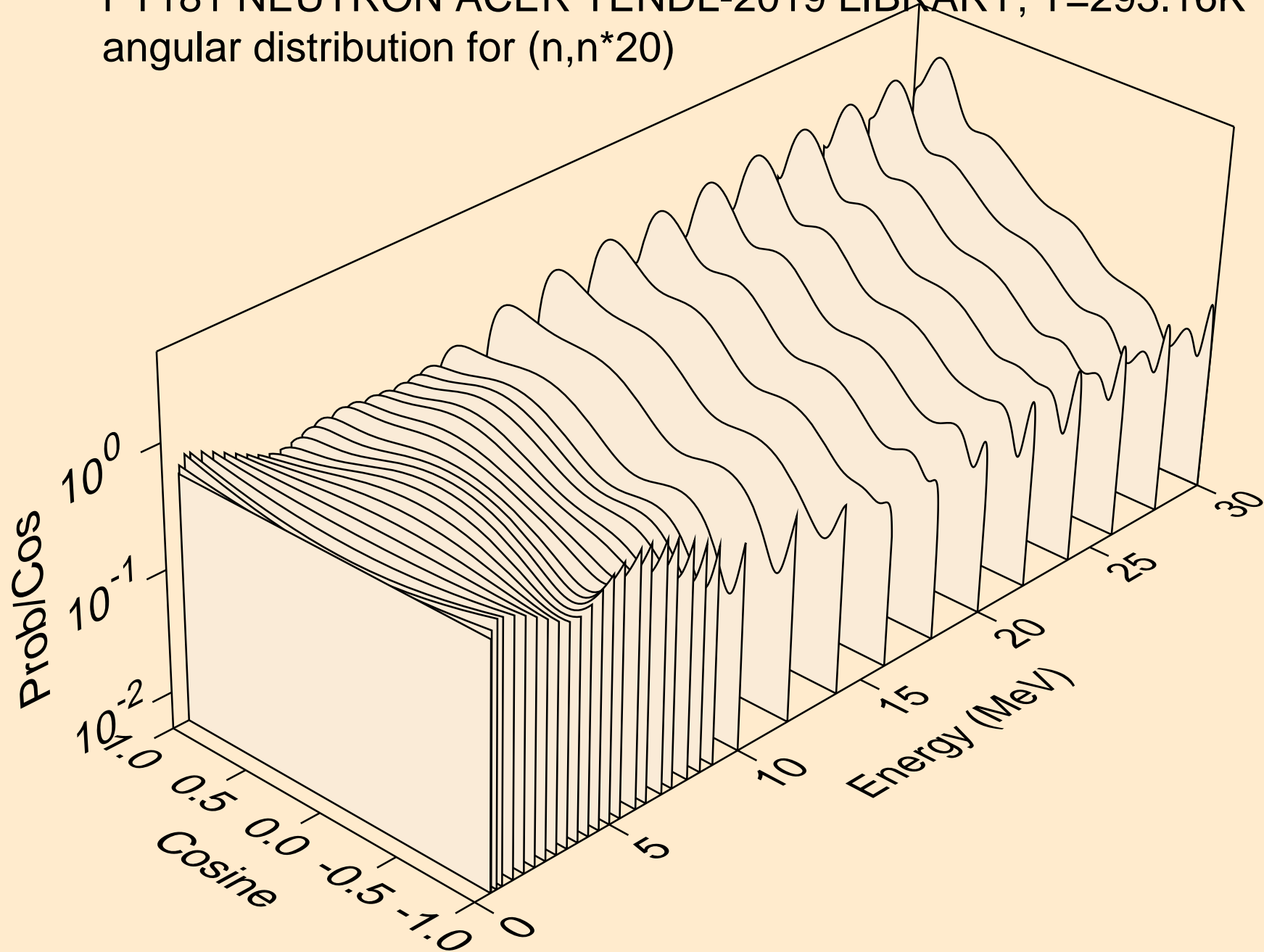
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



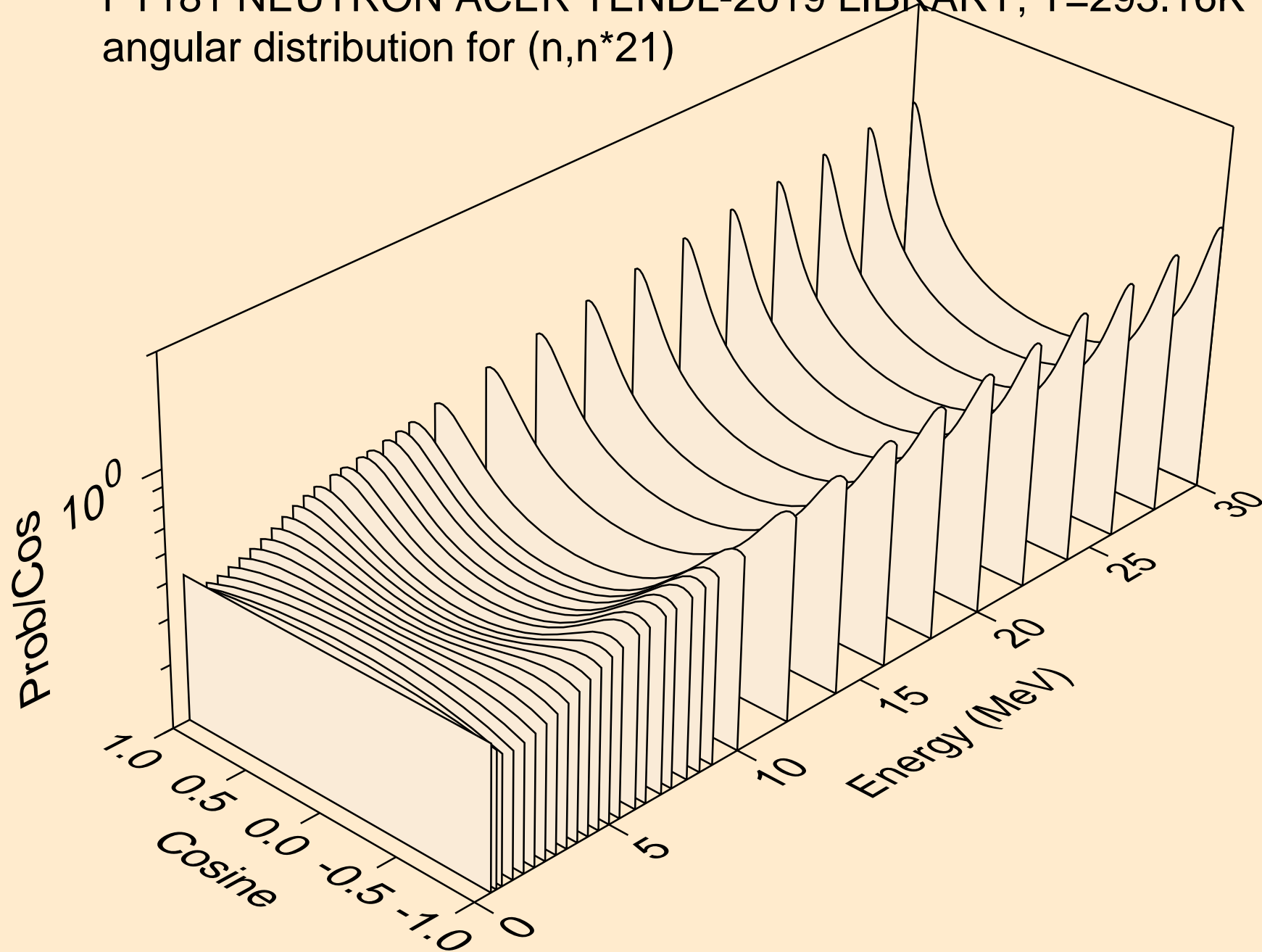
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



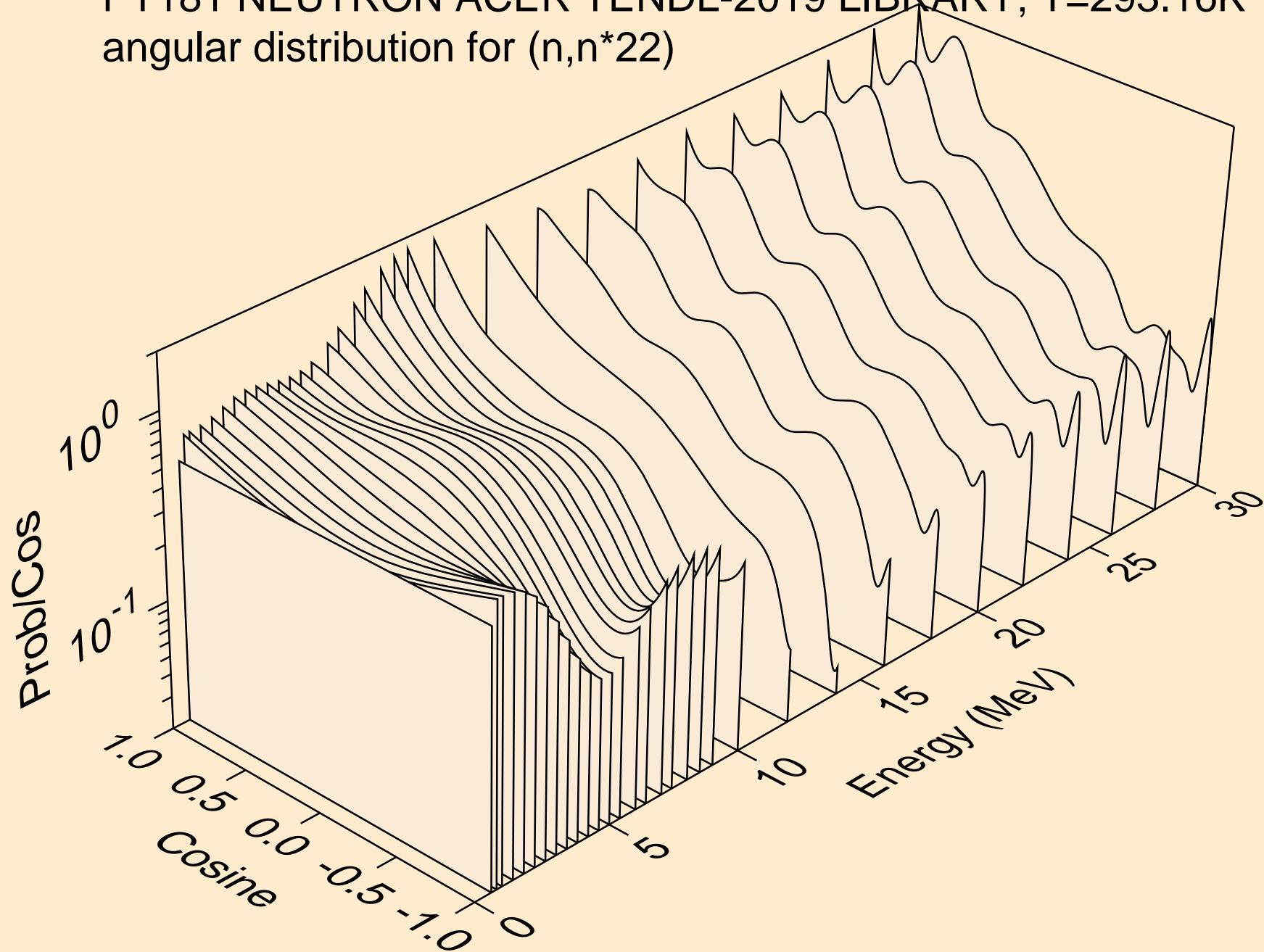
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angular distribution for (n,n*20)



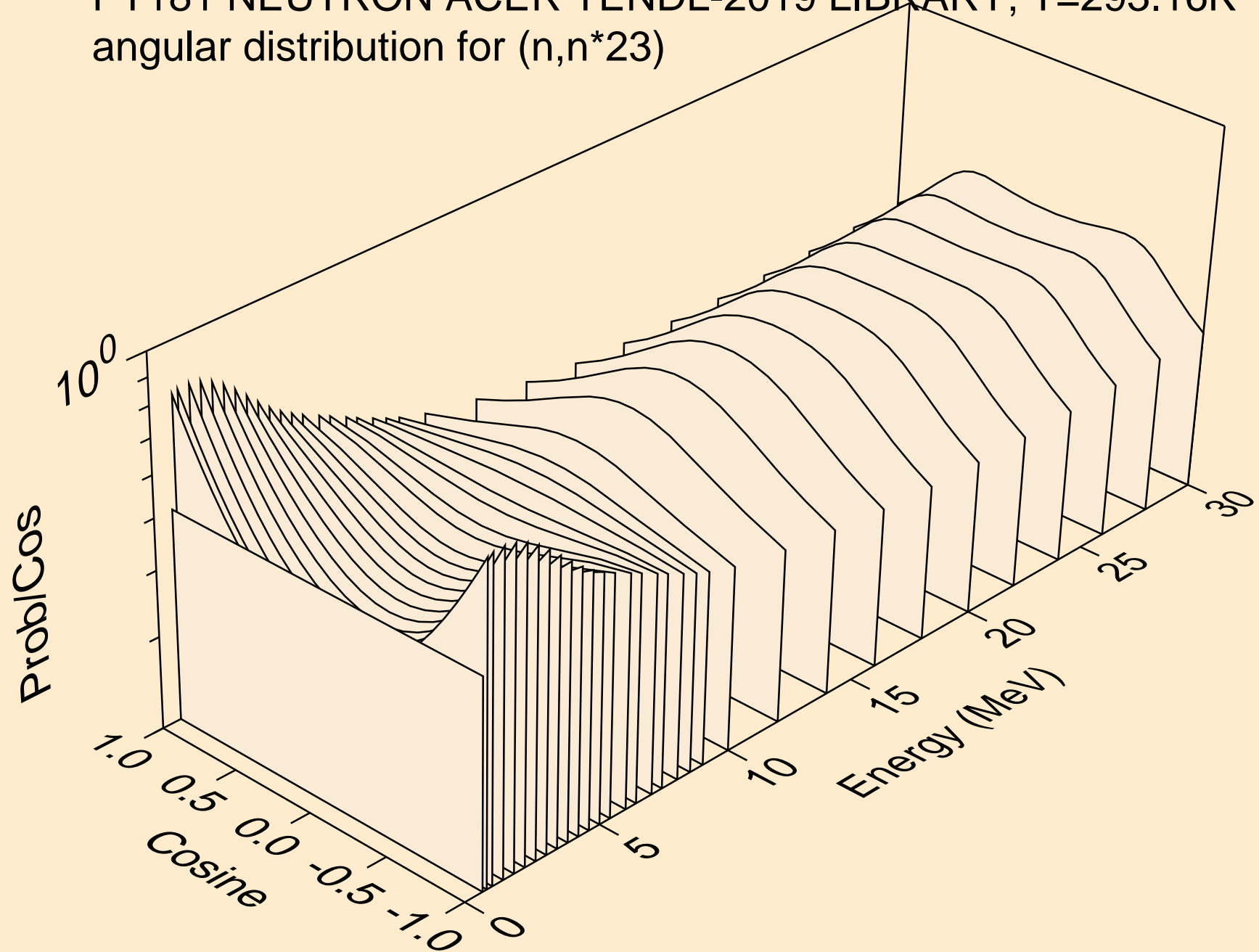
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



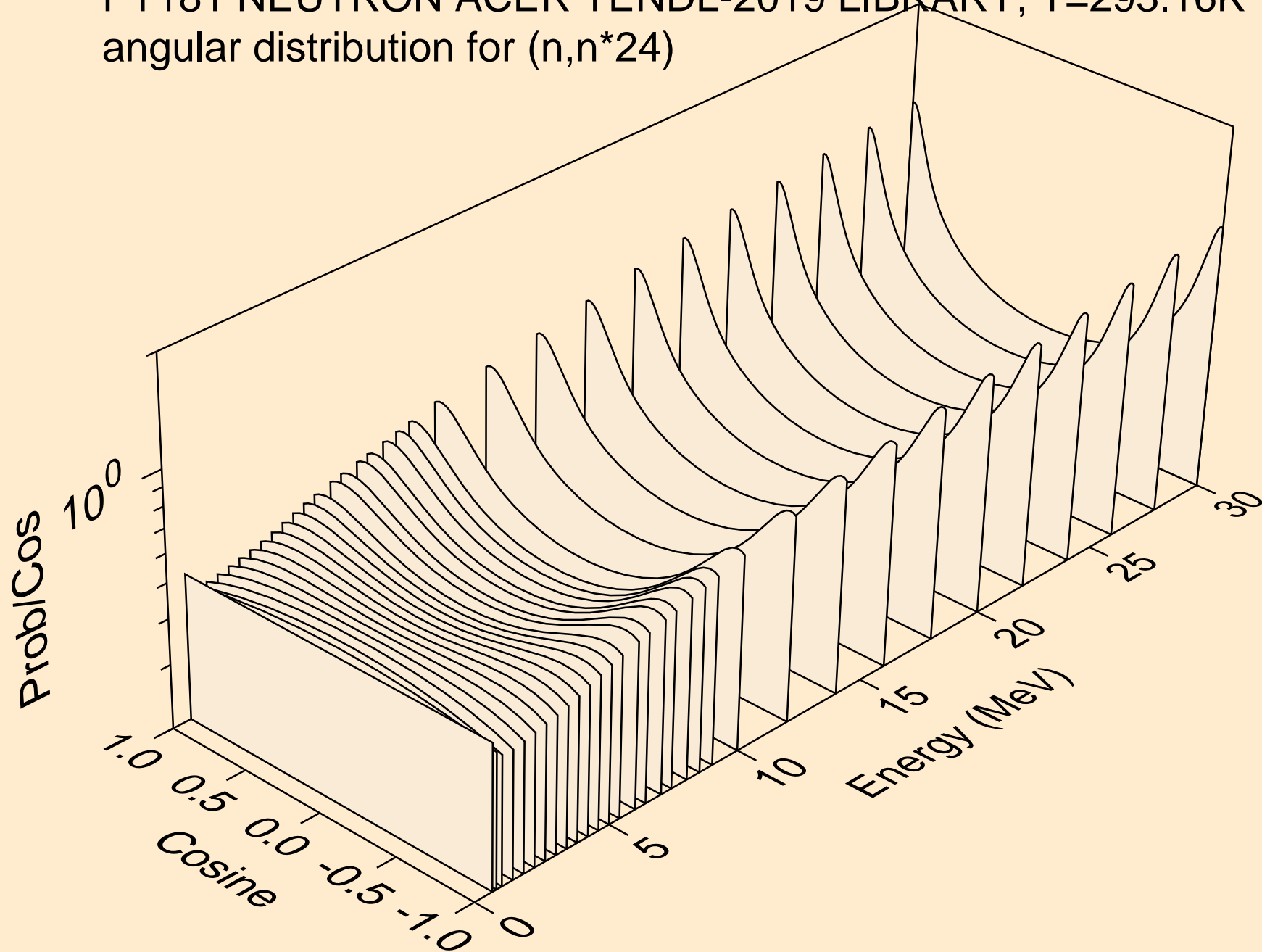
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angular distribution for (n,n*22)



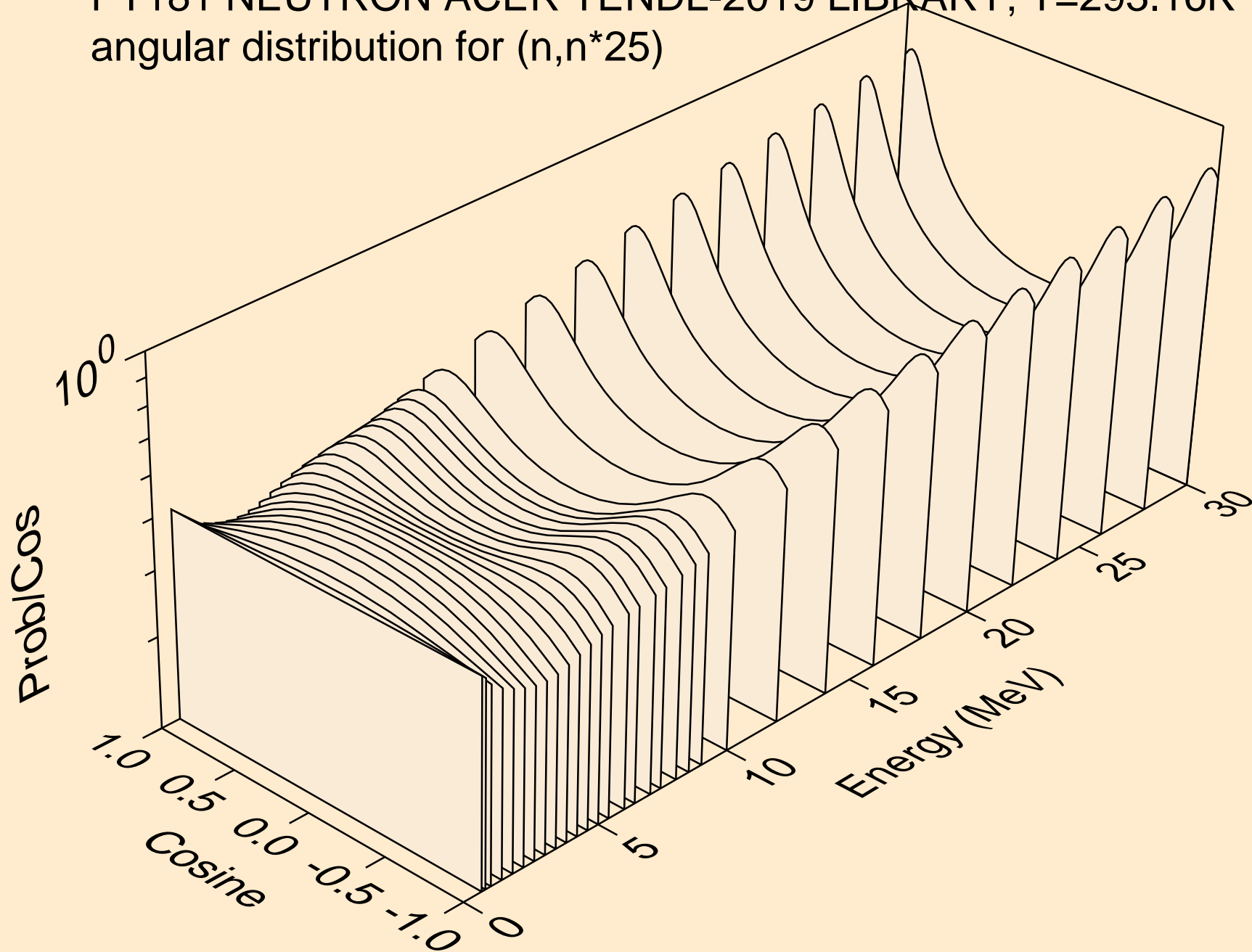
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*23)



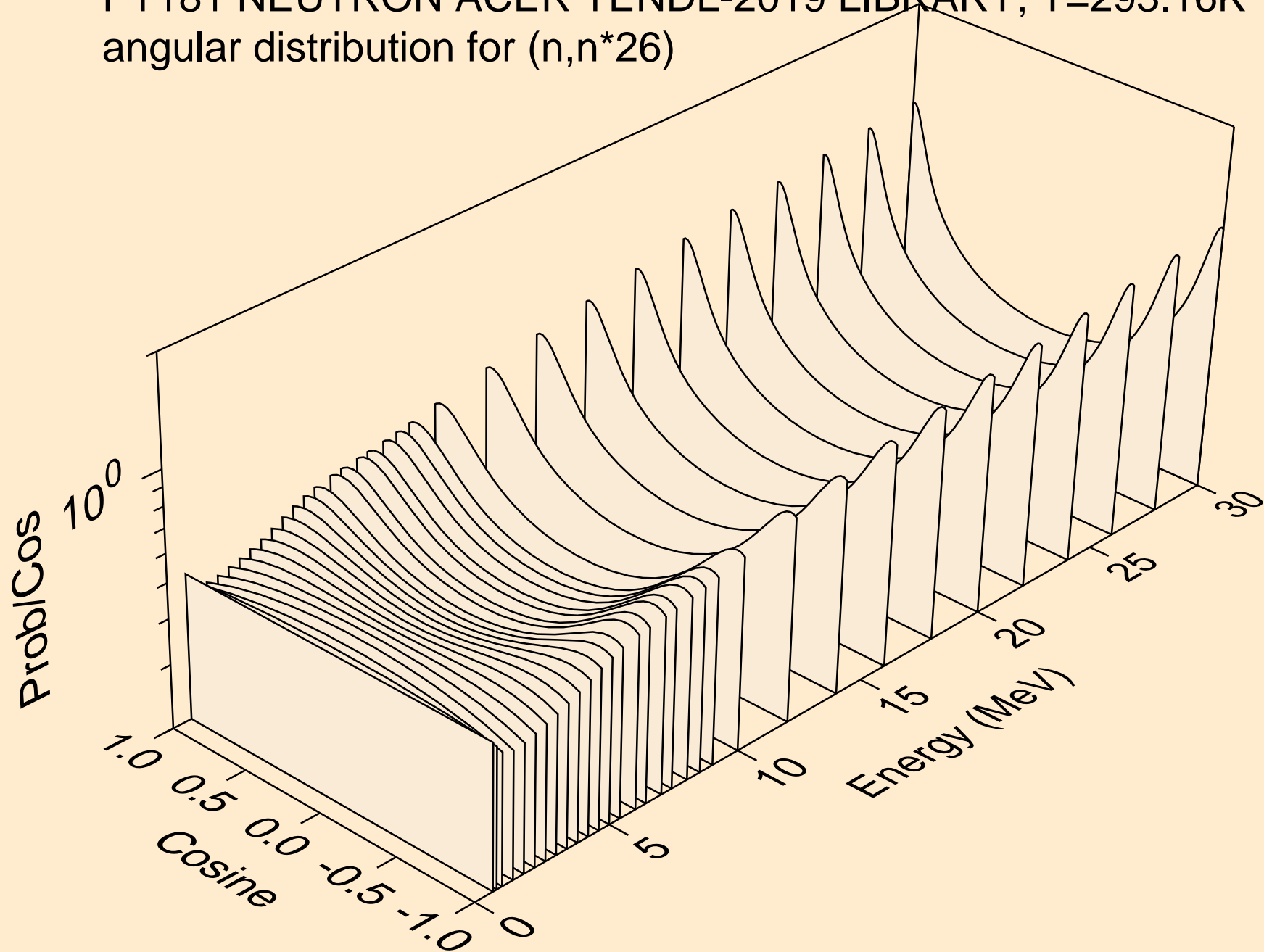
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



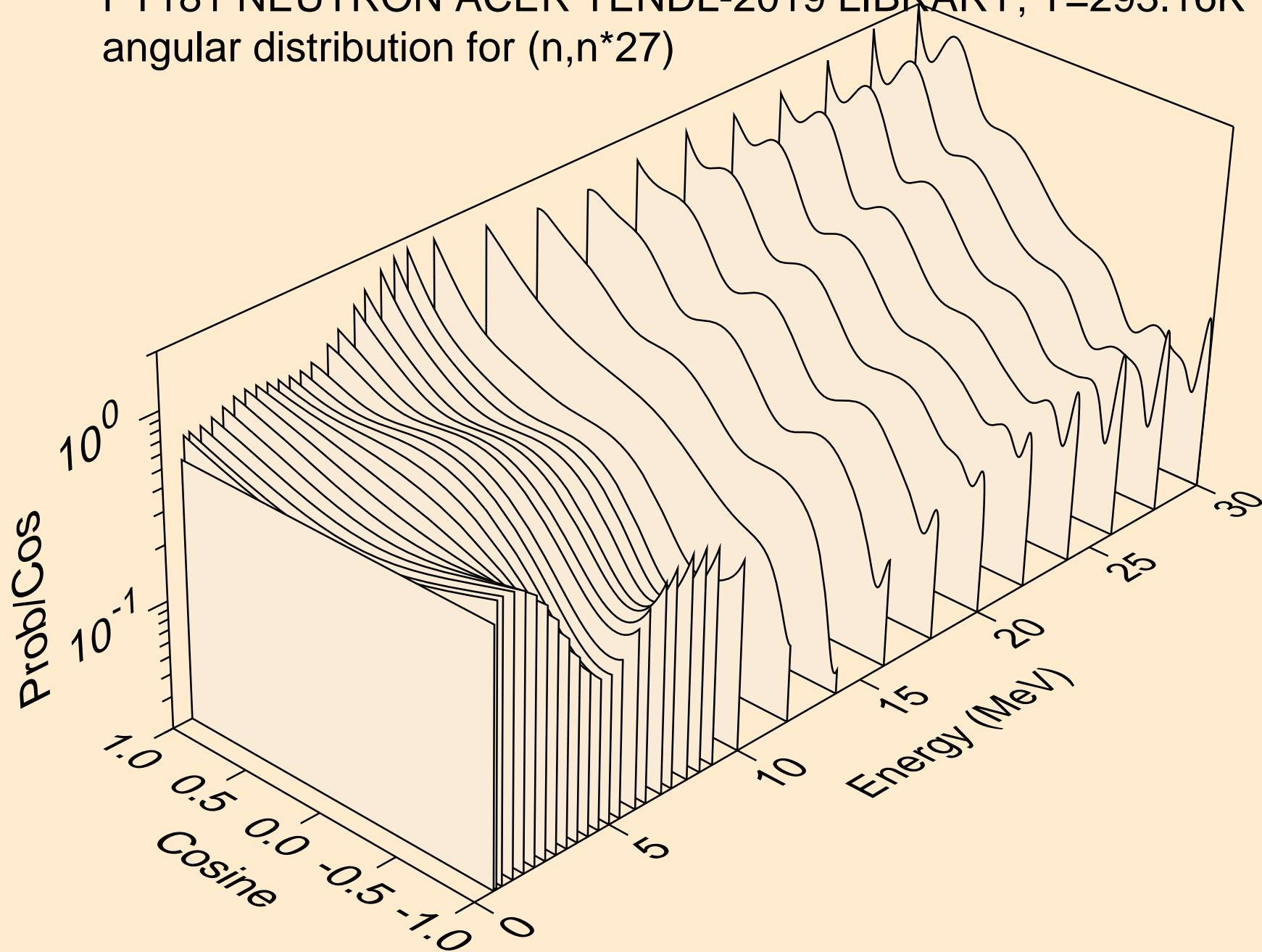
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



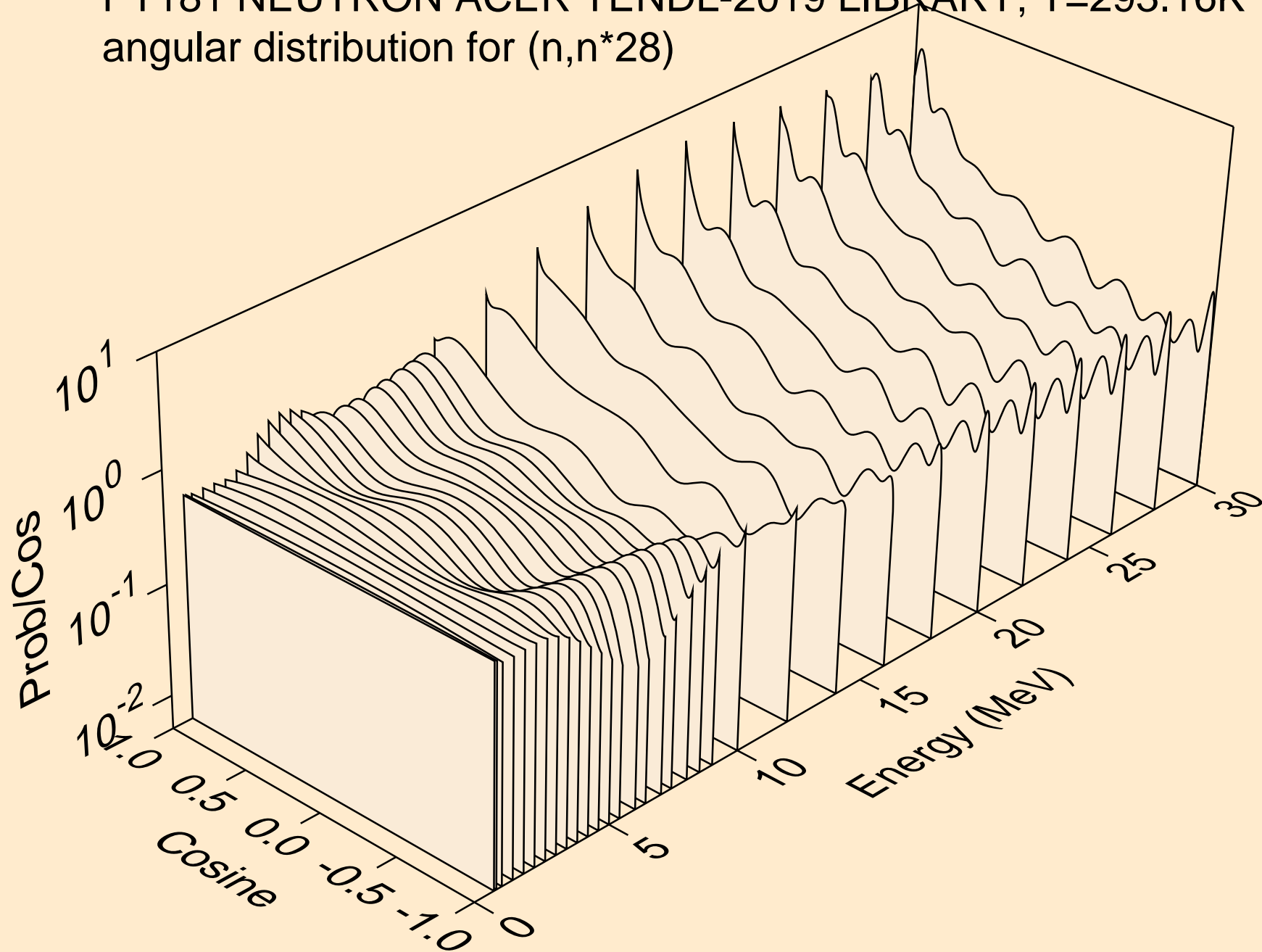
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



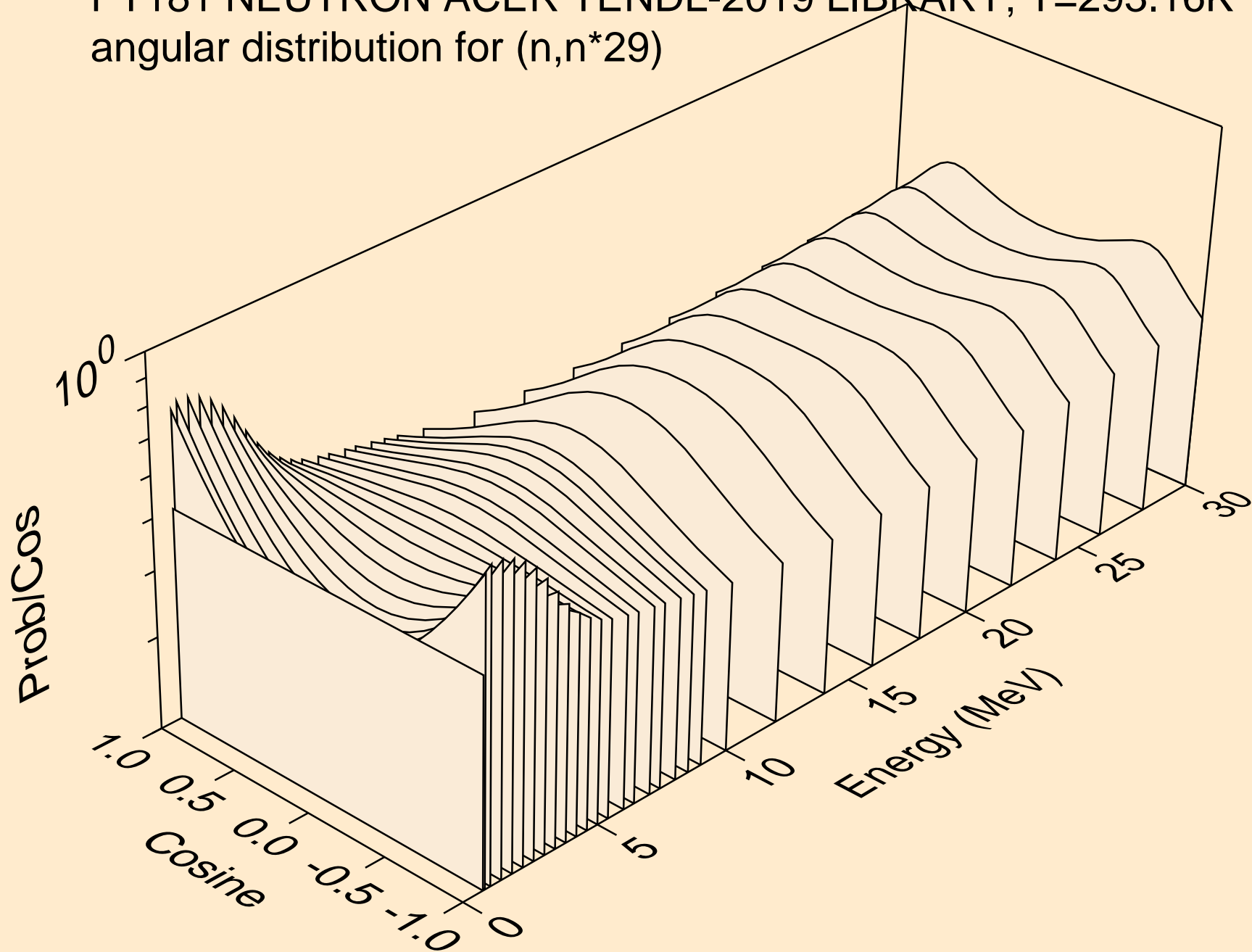
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



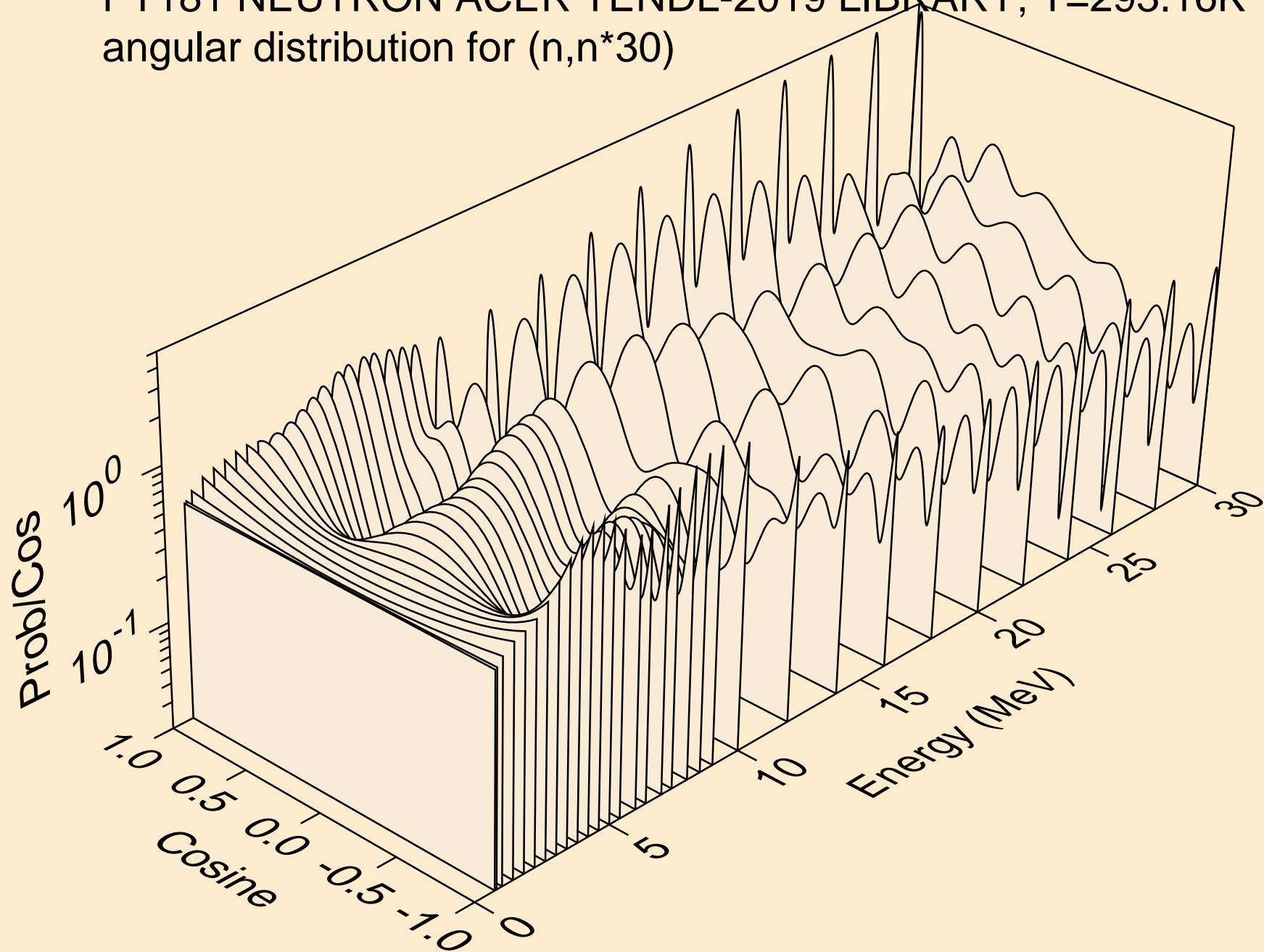
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



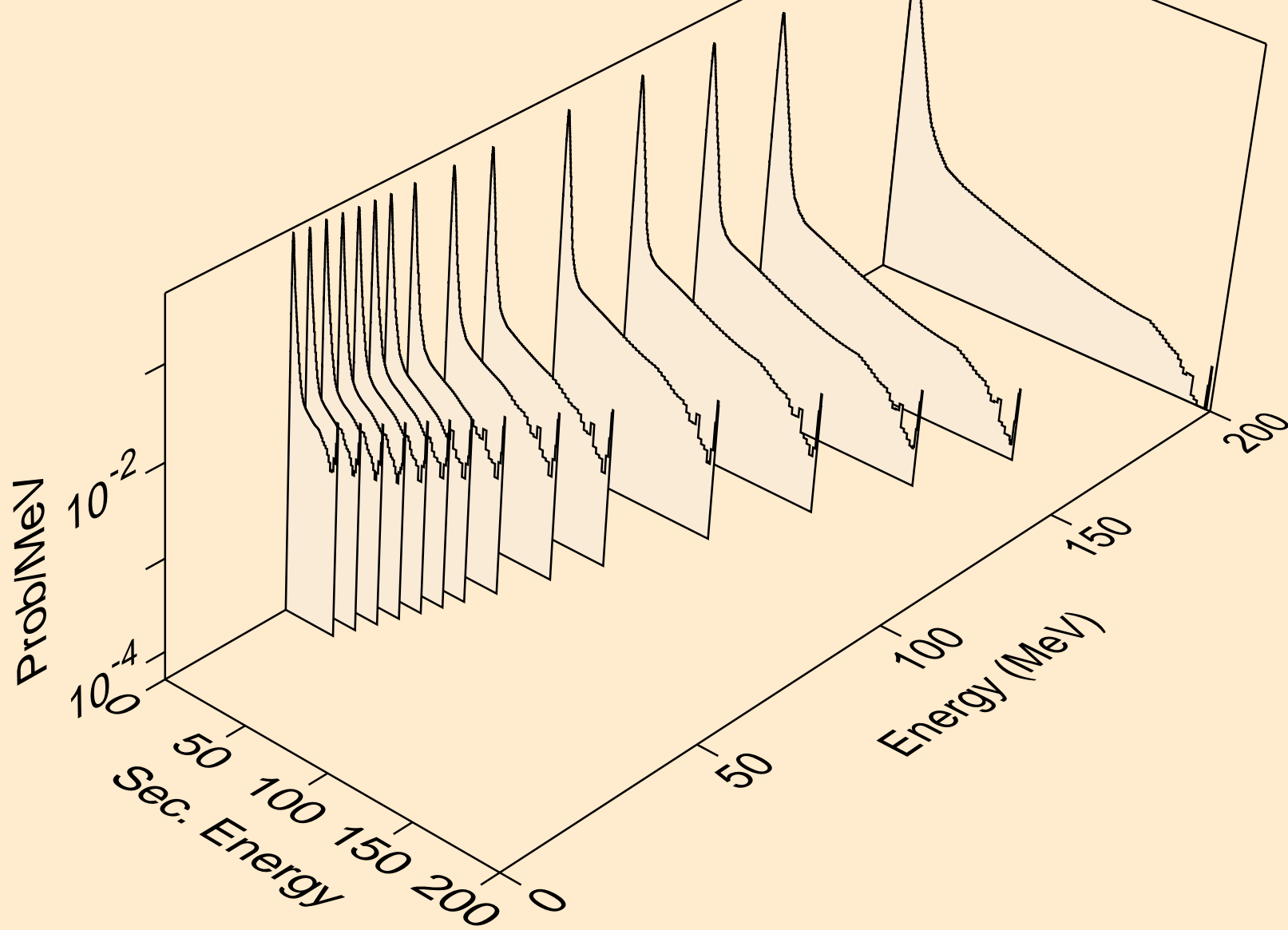
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



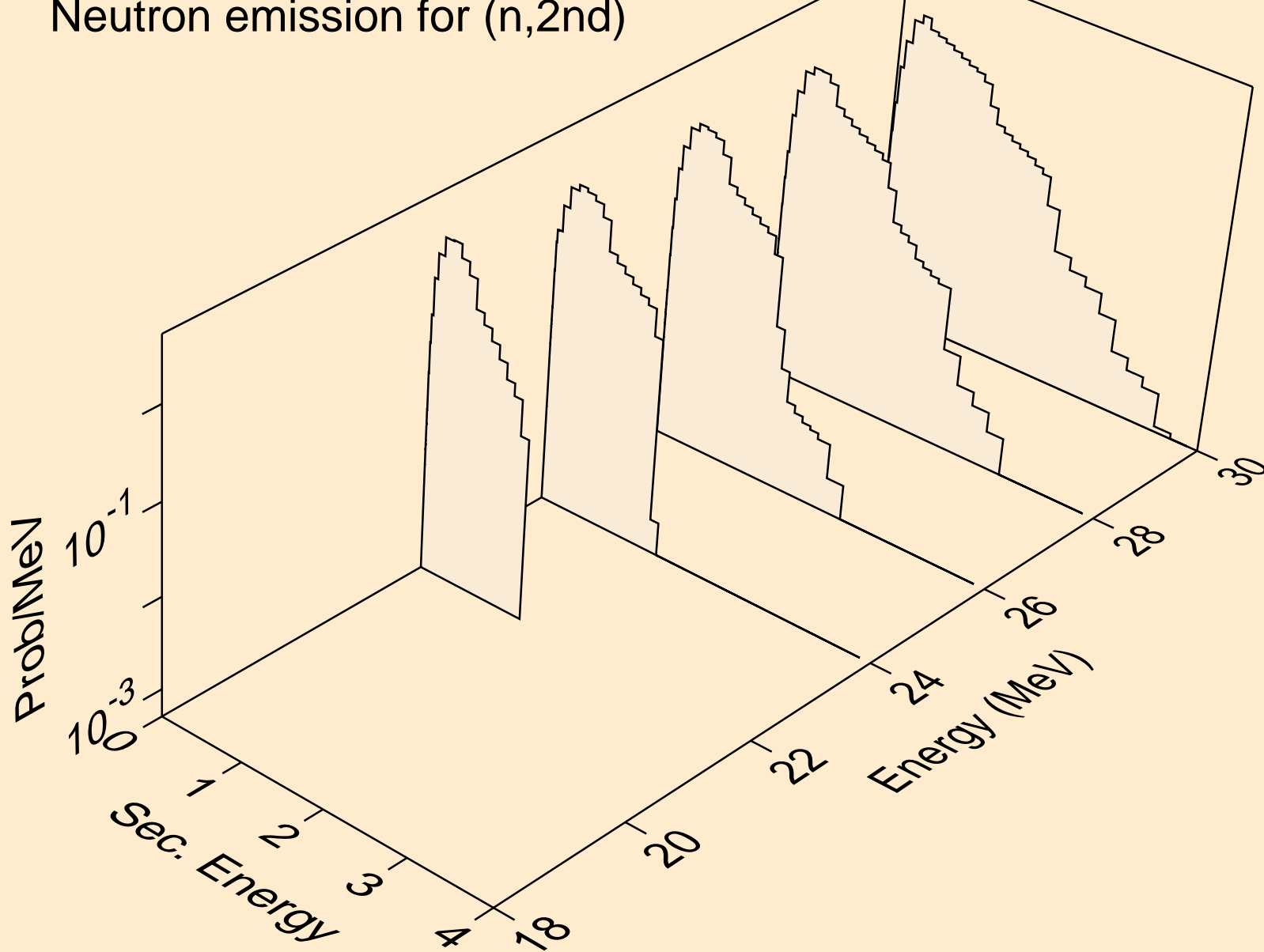
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



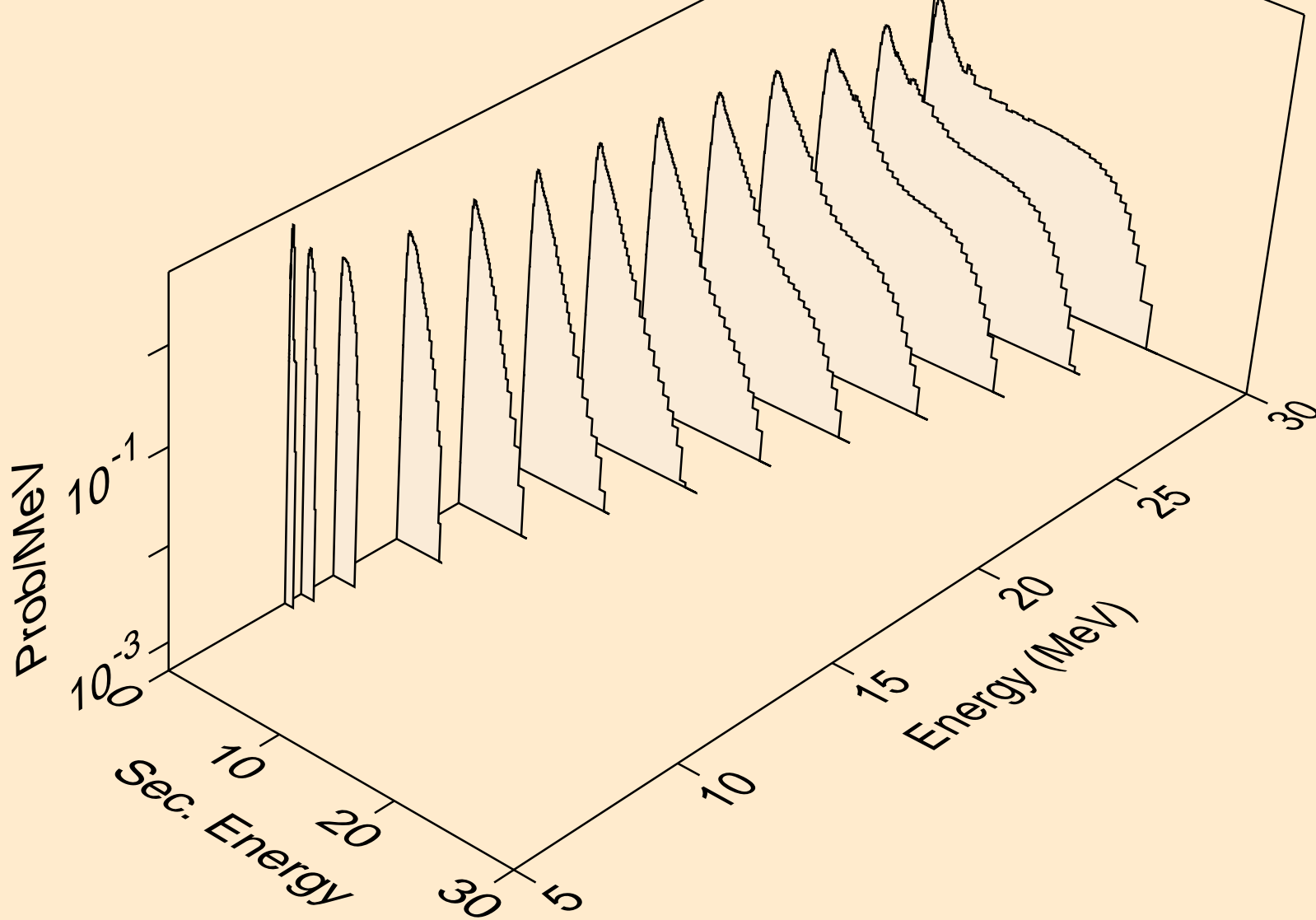
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



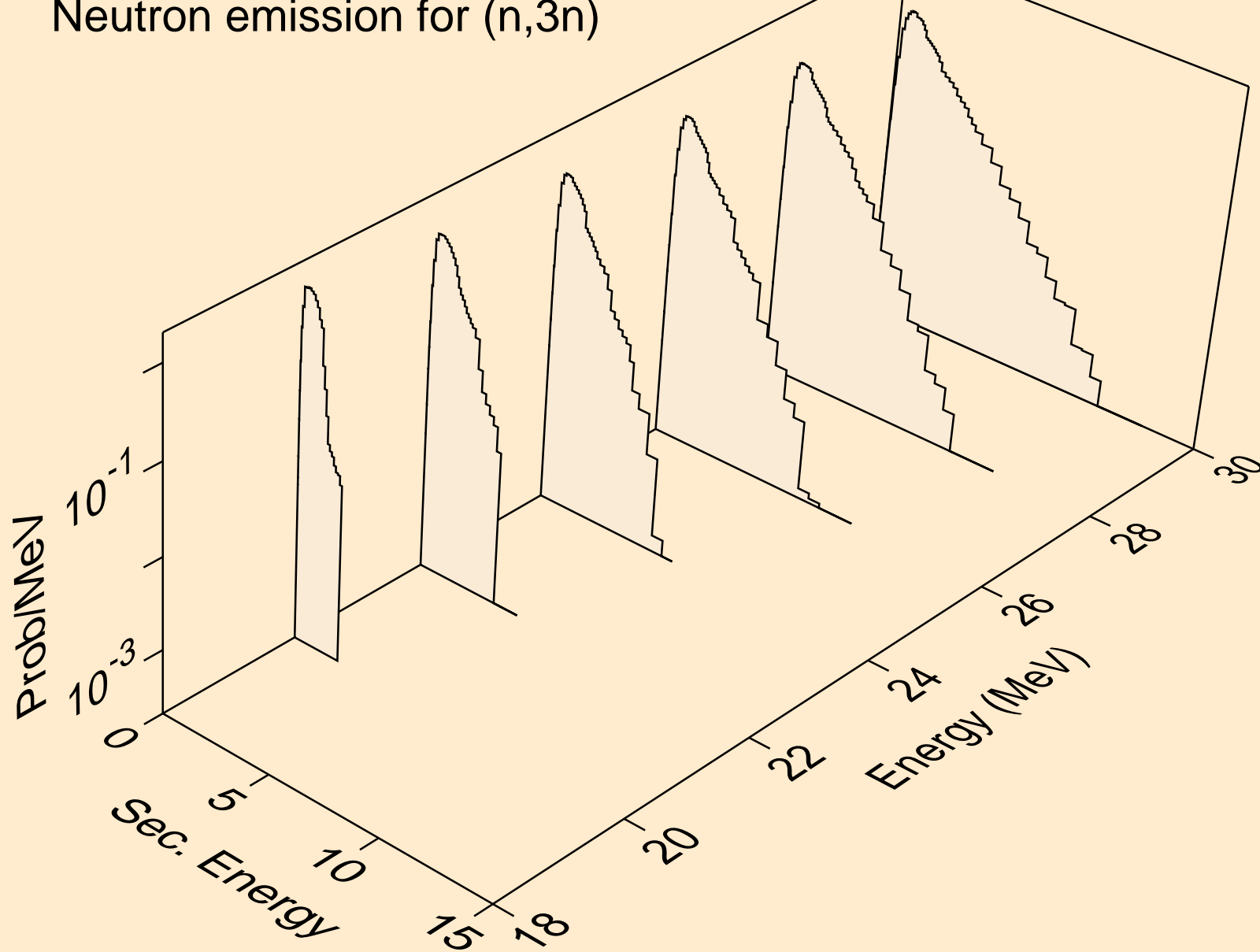
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



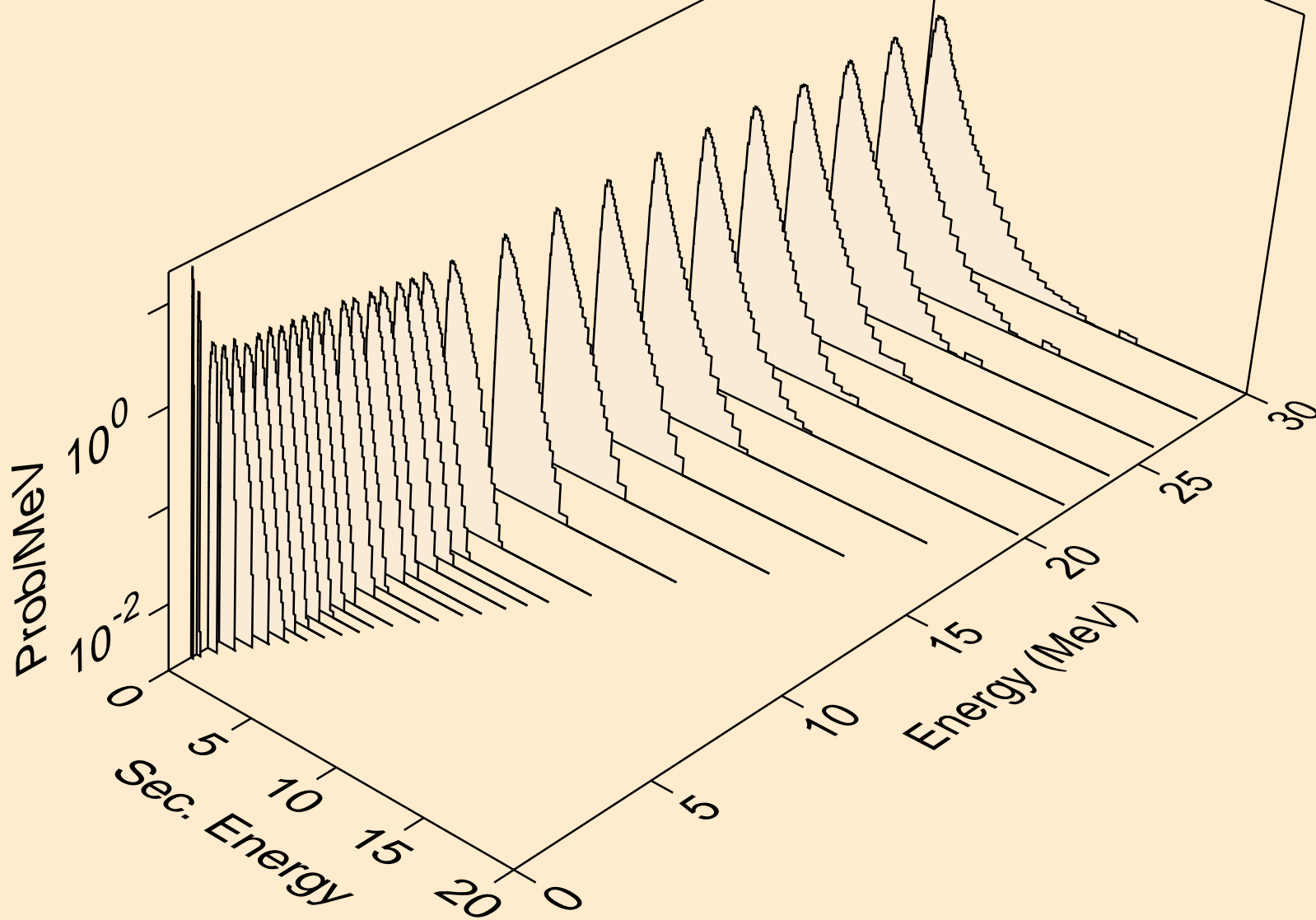
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



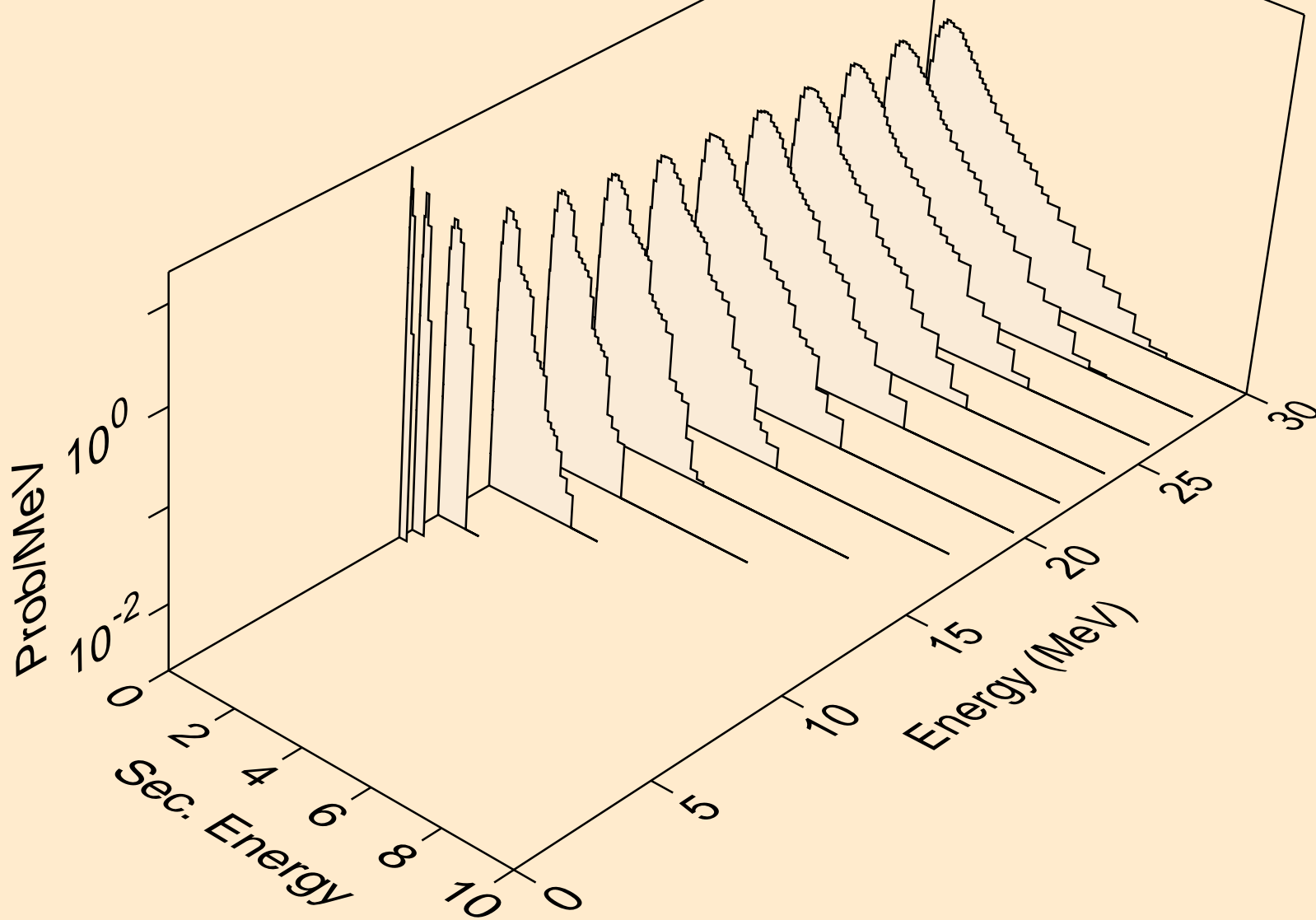
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



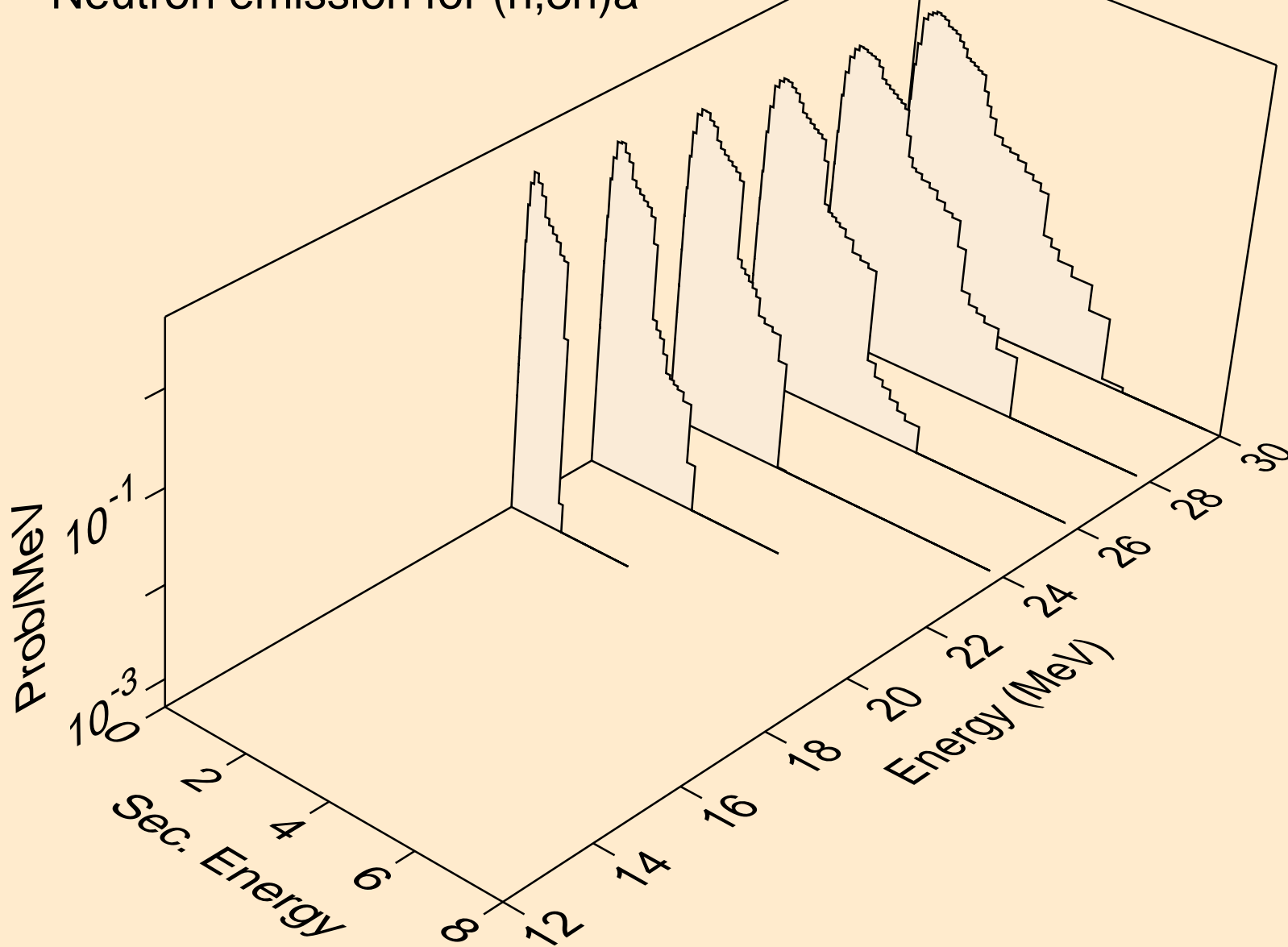
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



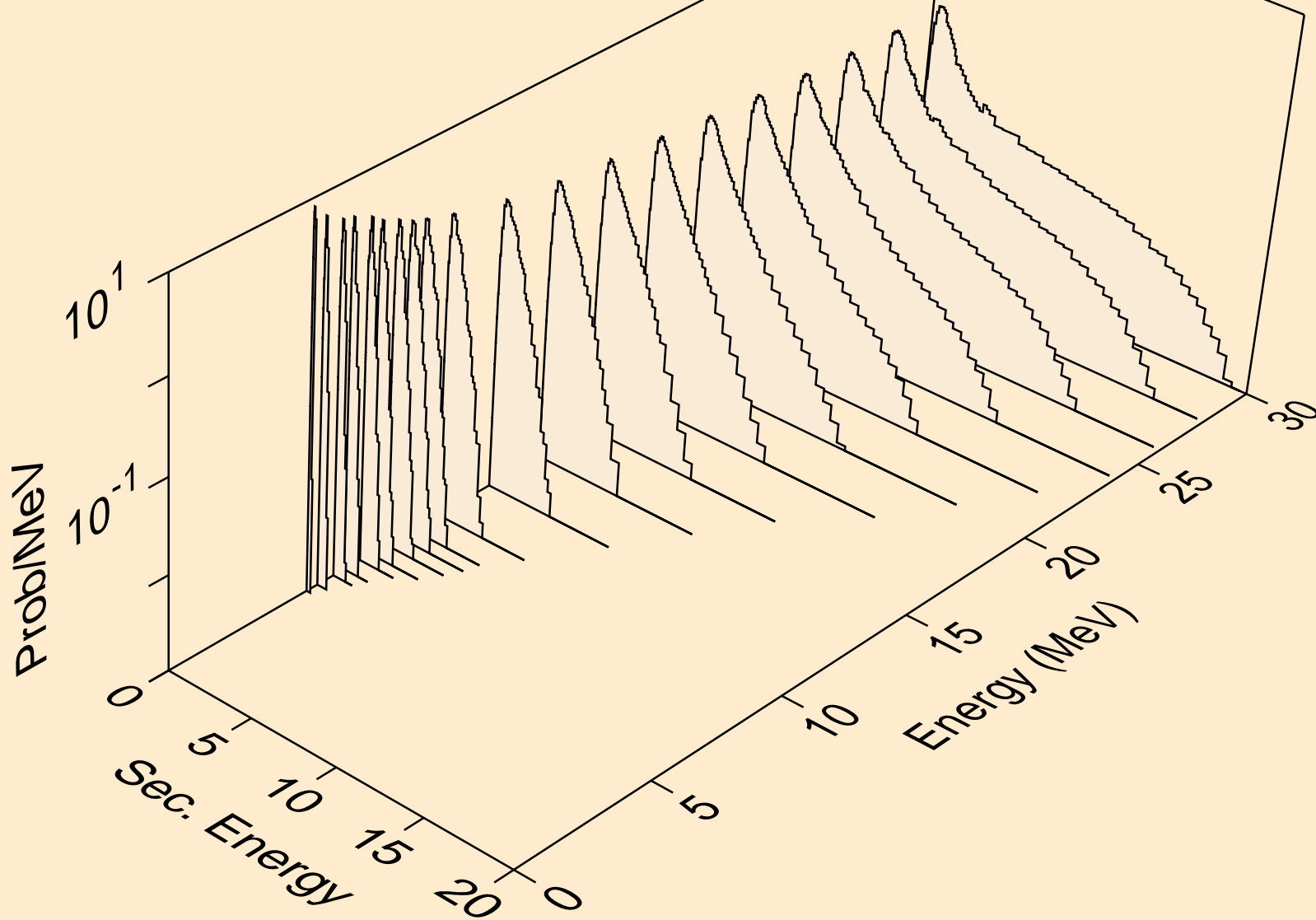
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)_a



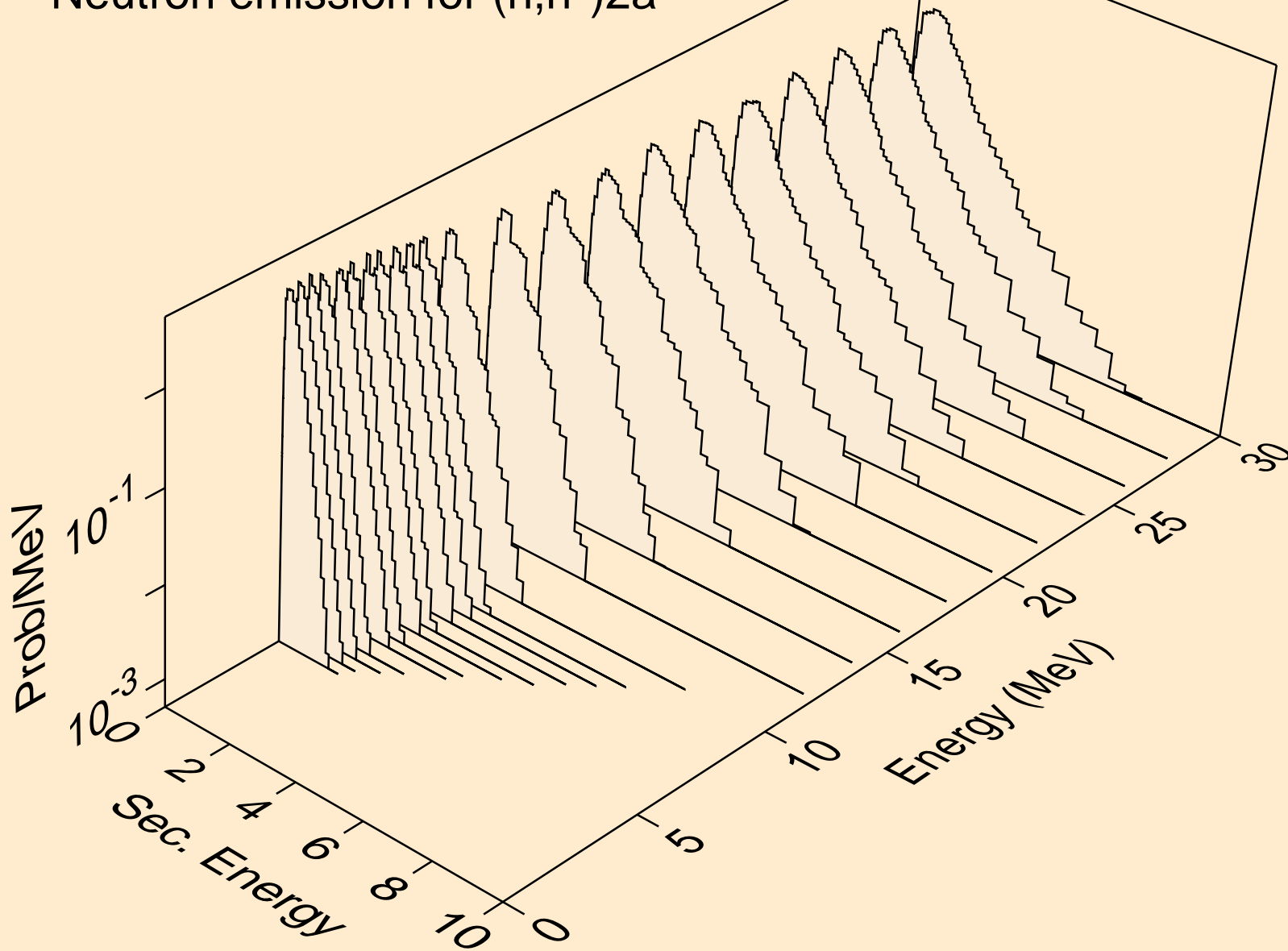
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



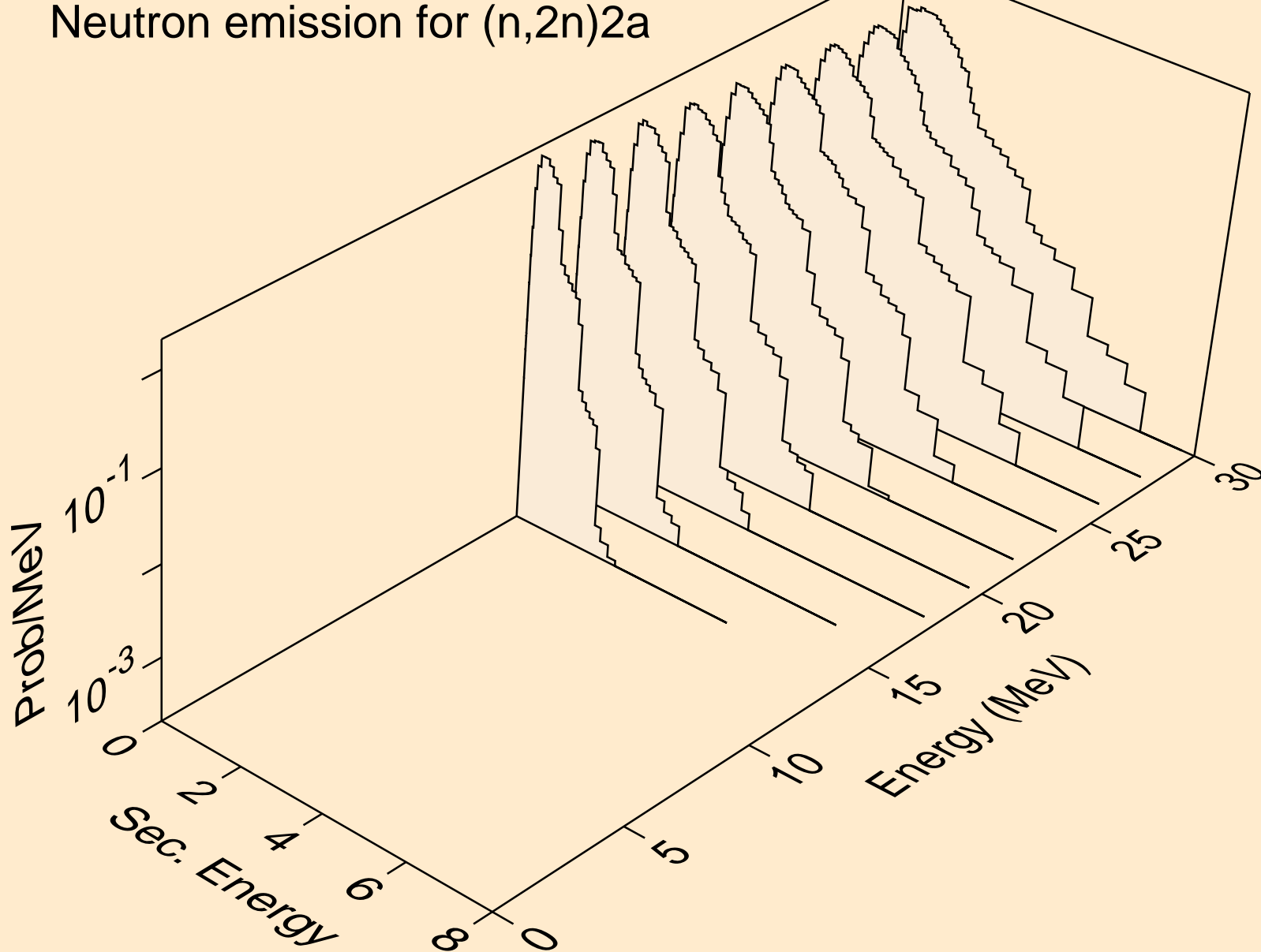
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



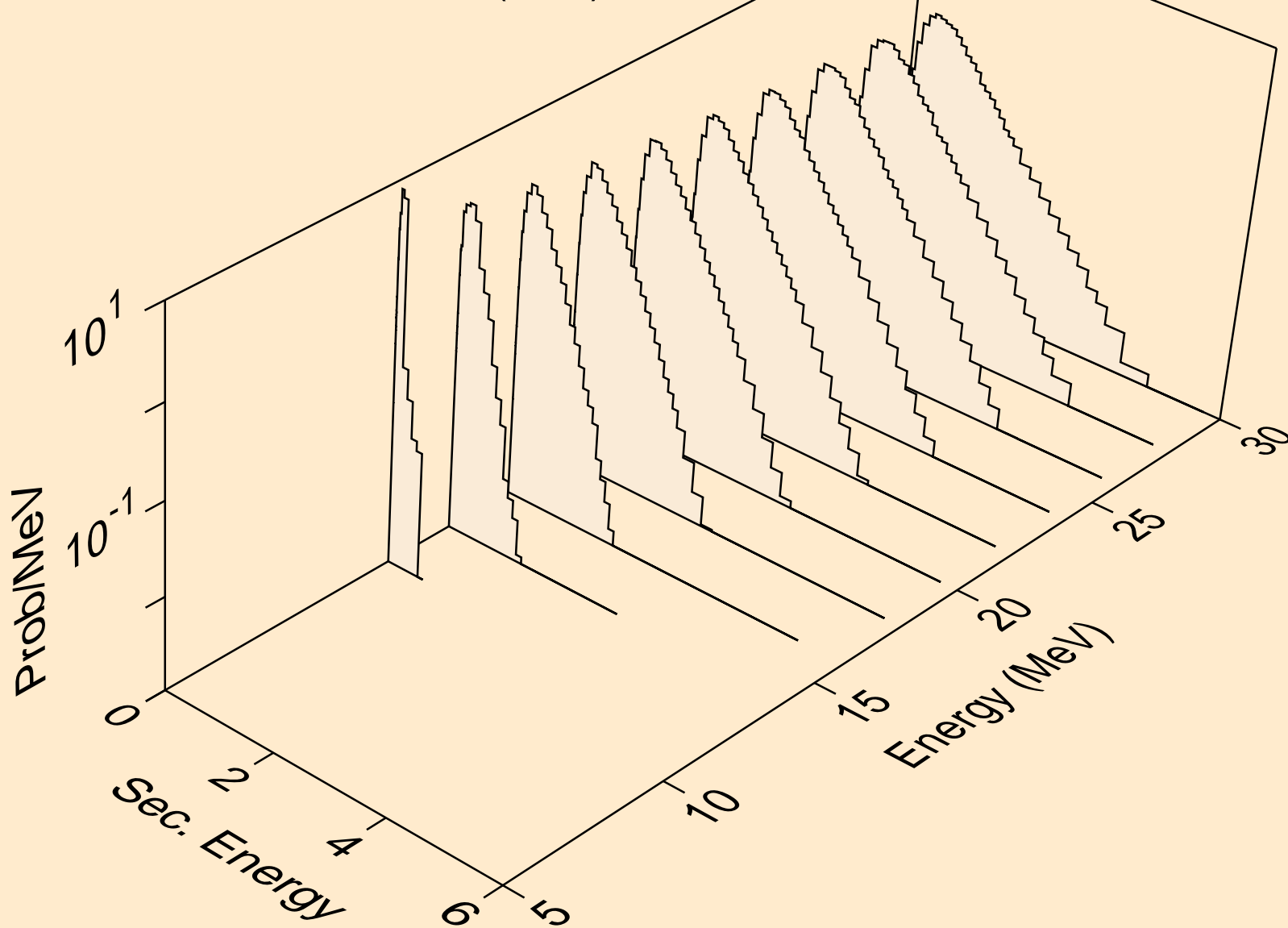
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



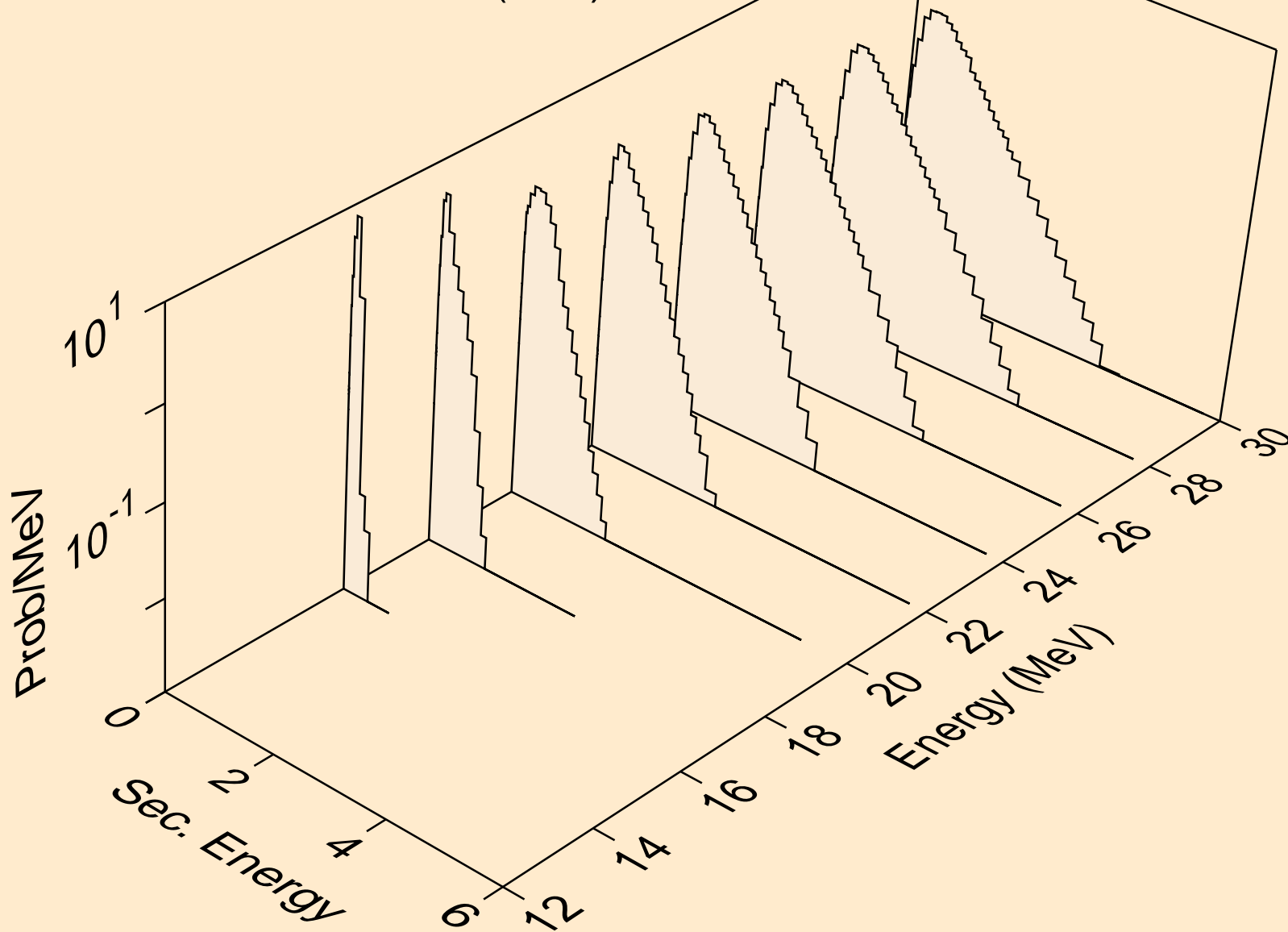
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



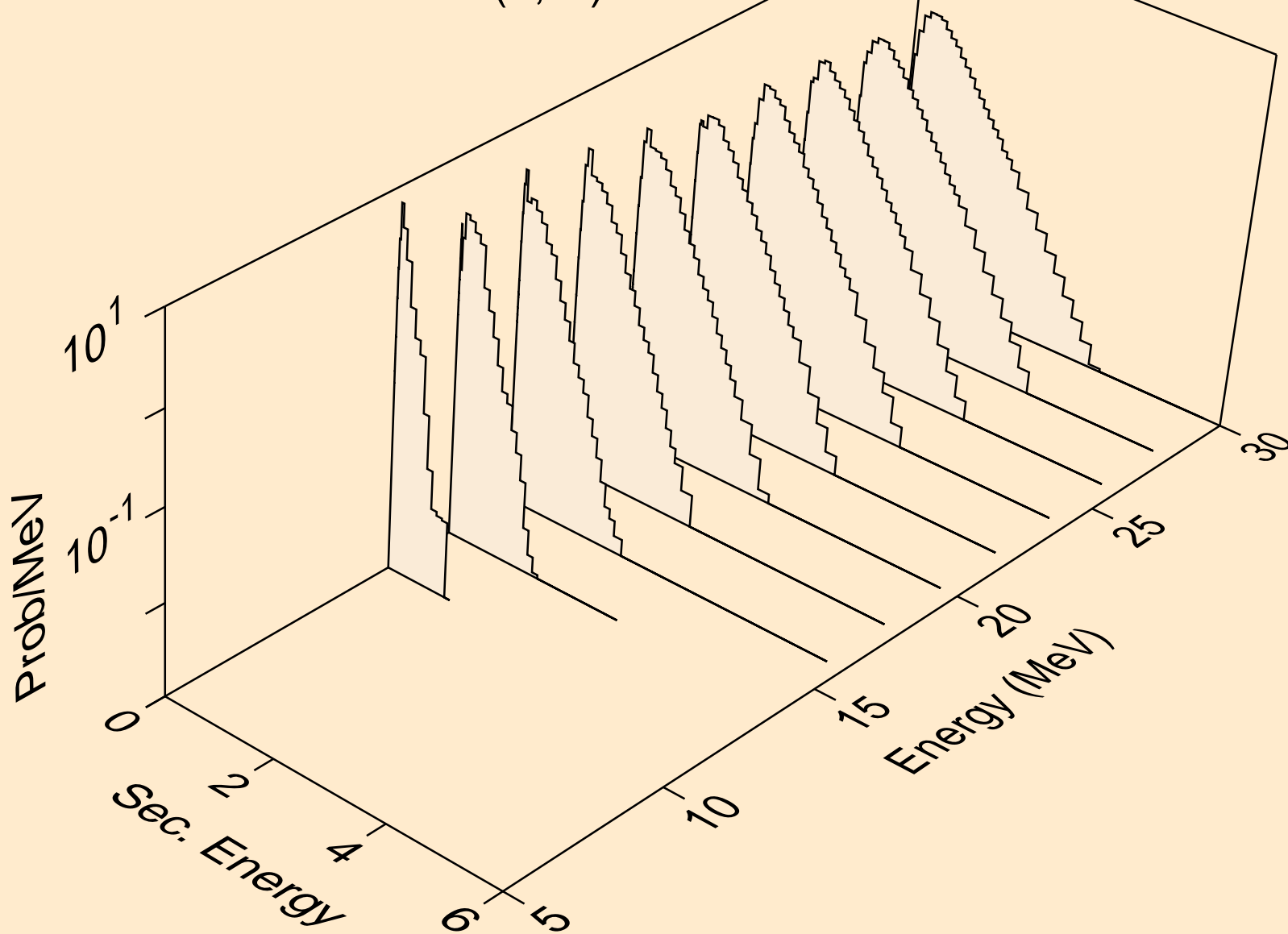
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



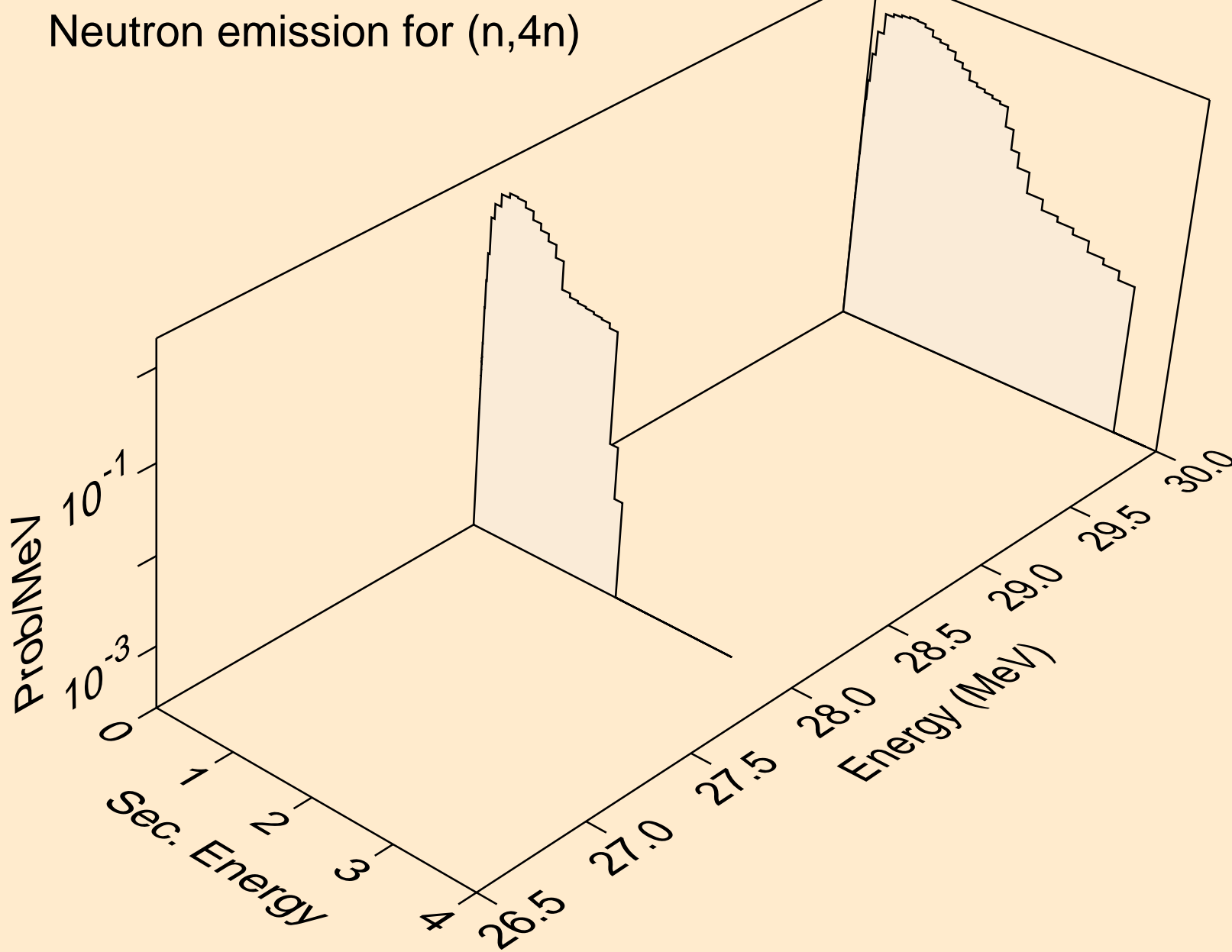
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



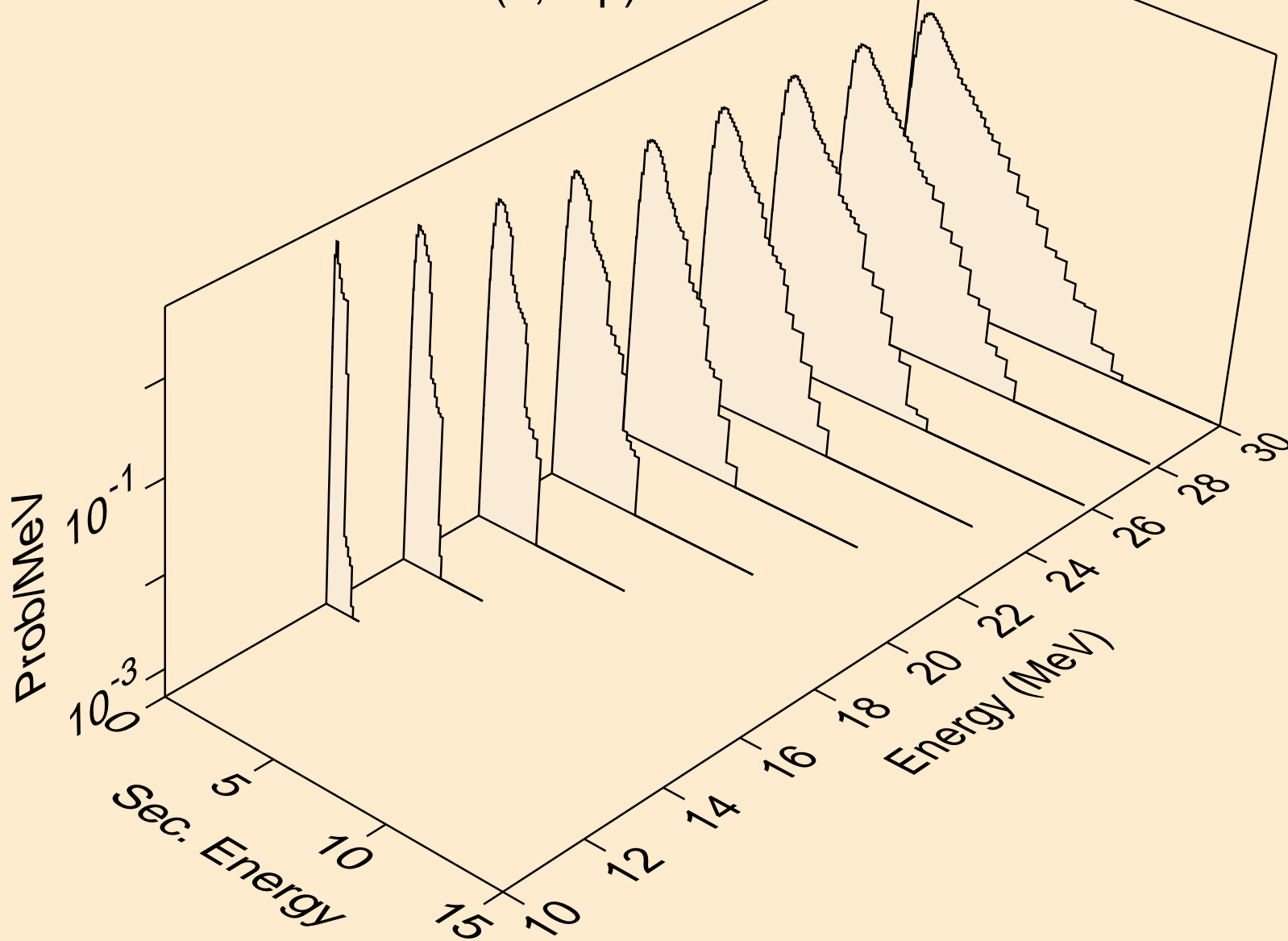
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



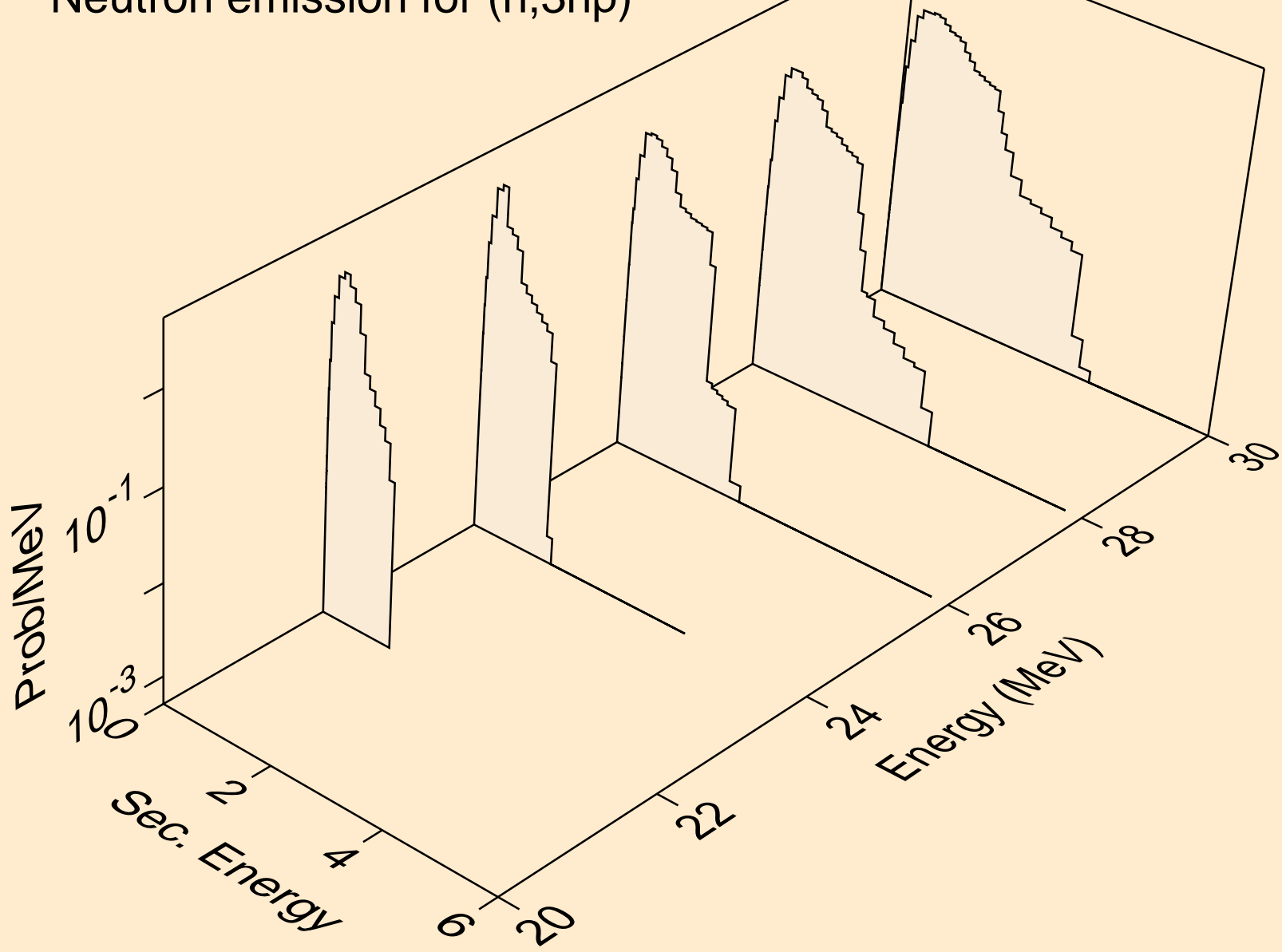
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



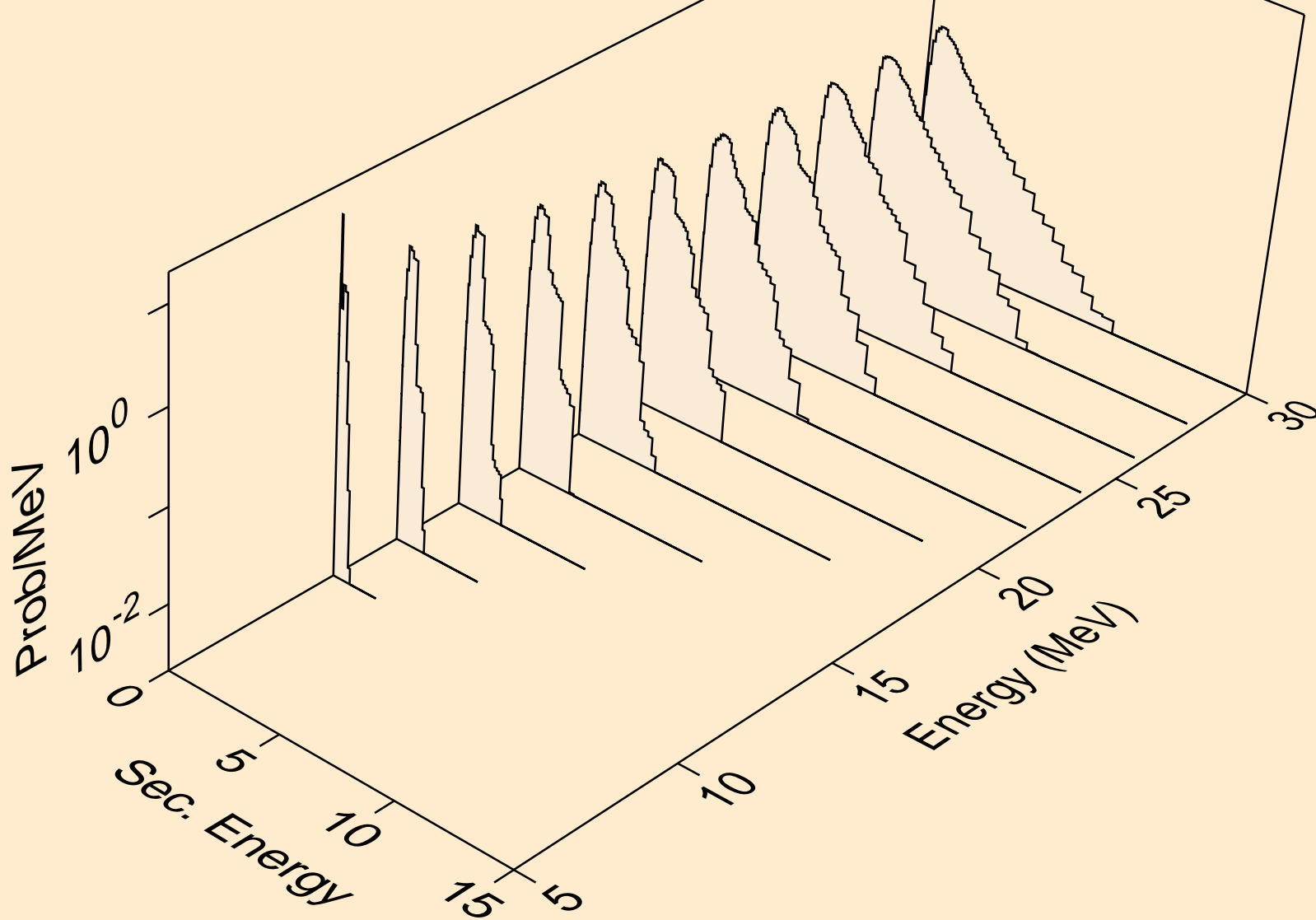
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



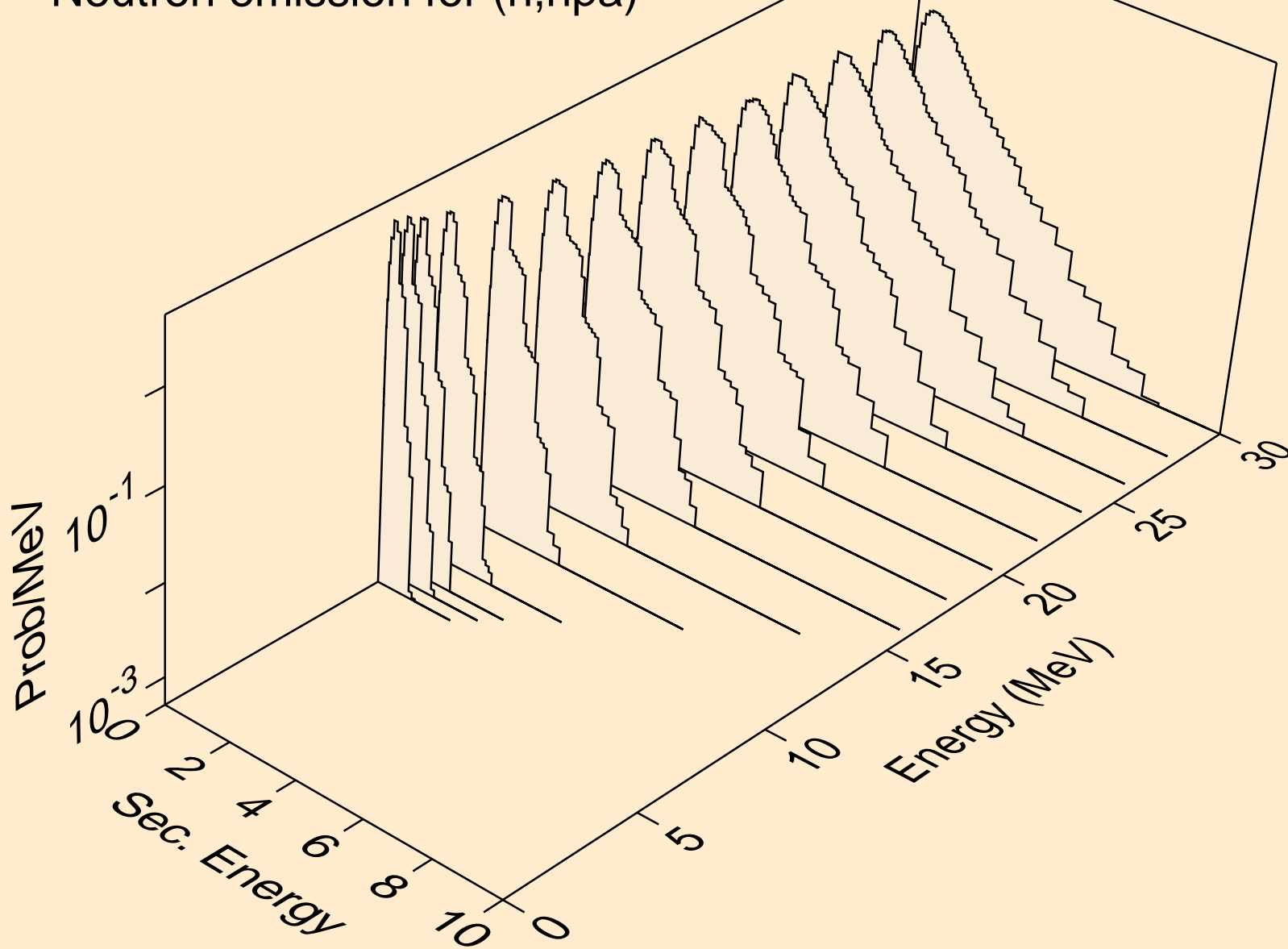
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



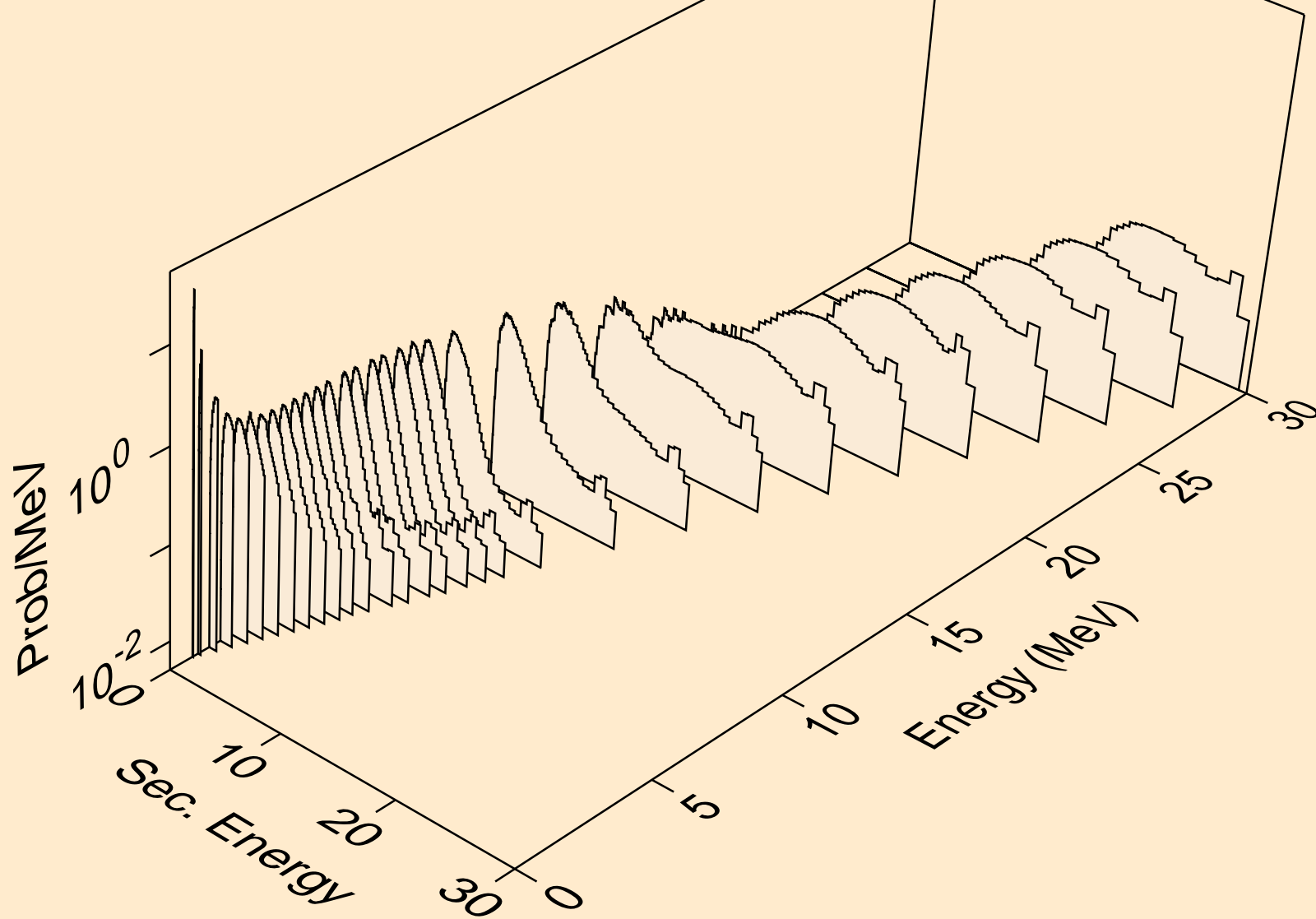
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



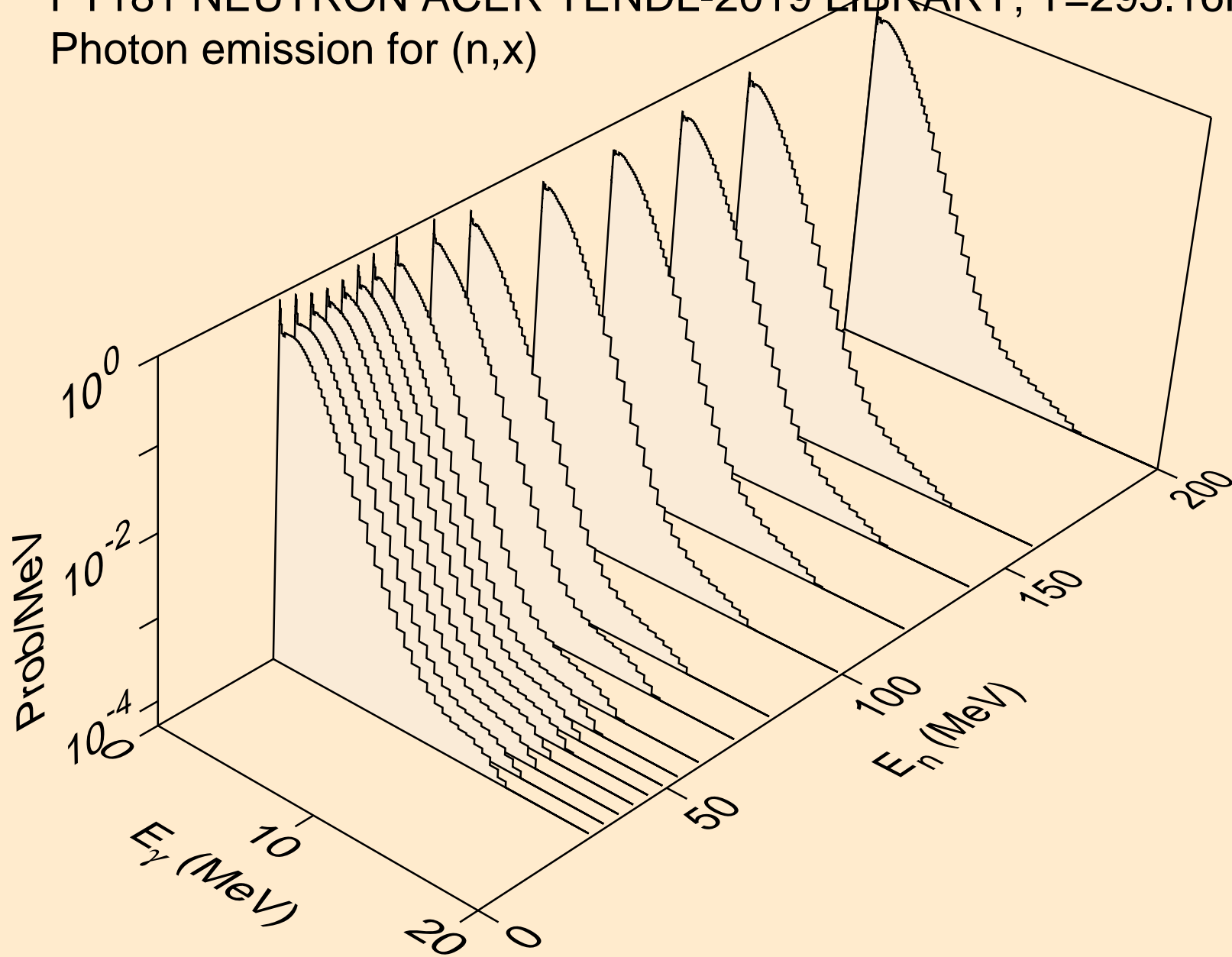
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



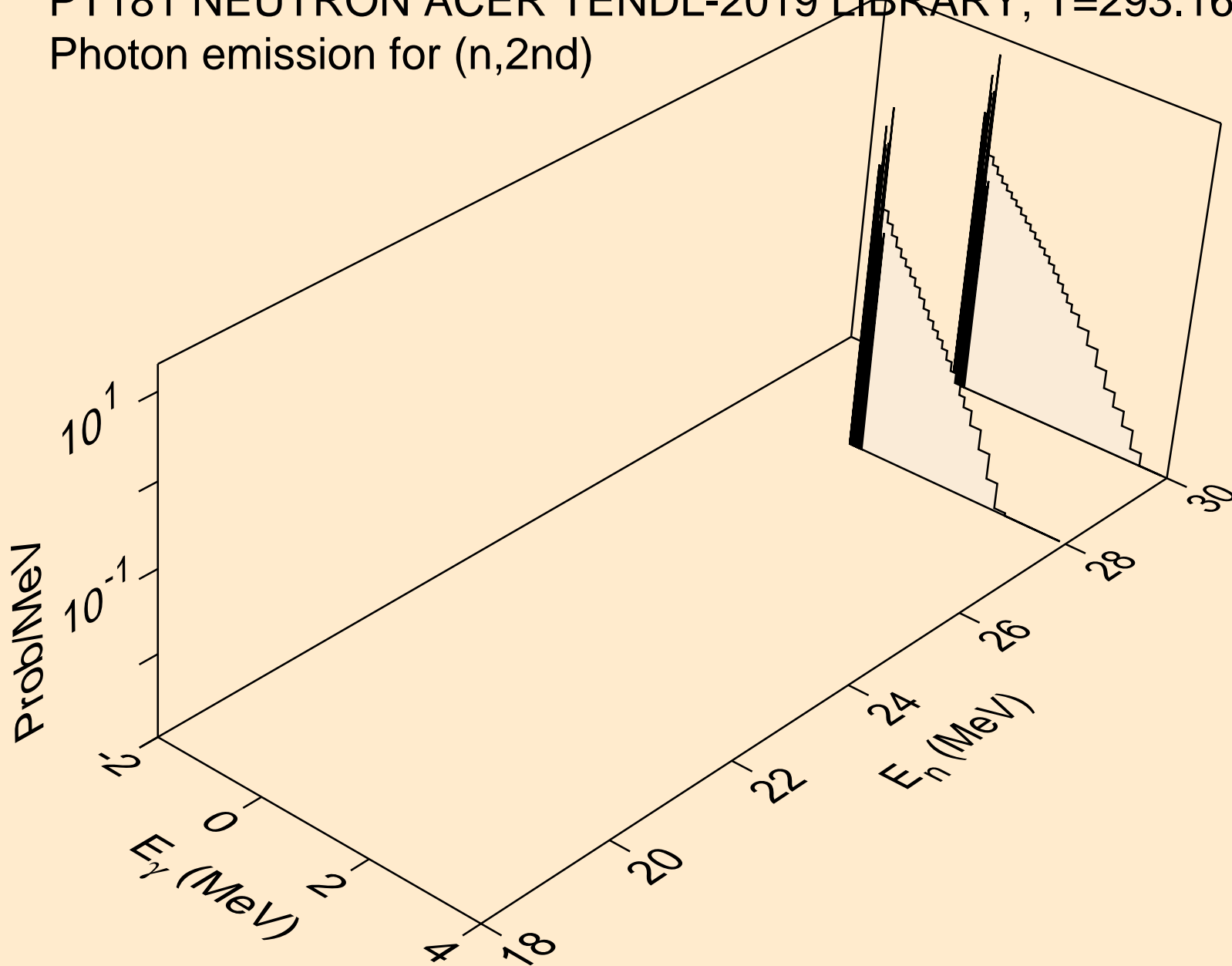
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



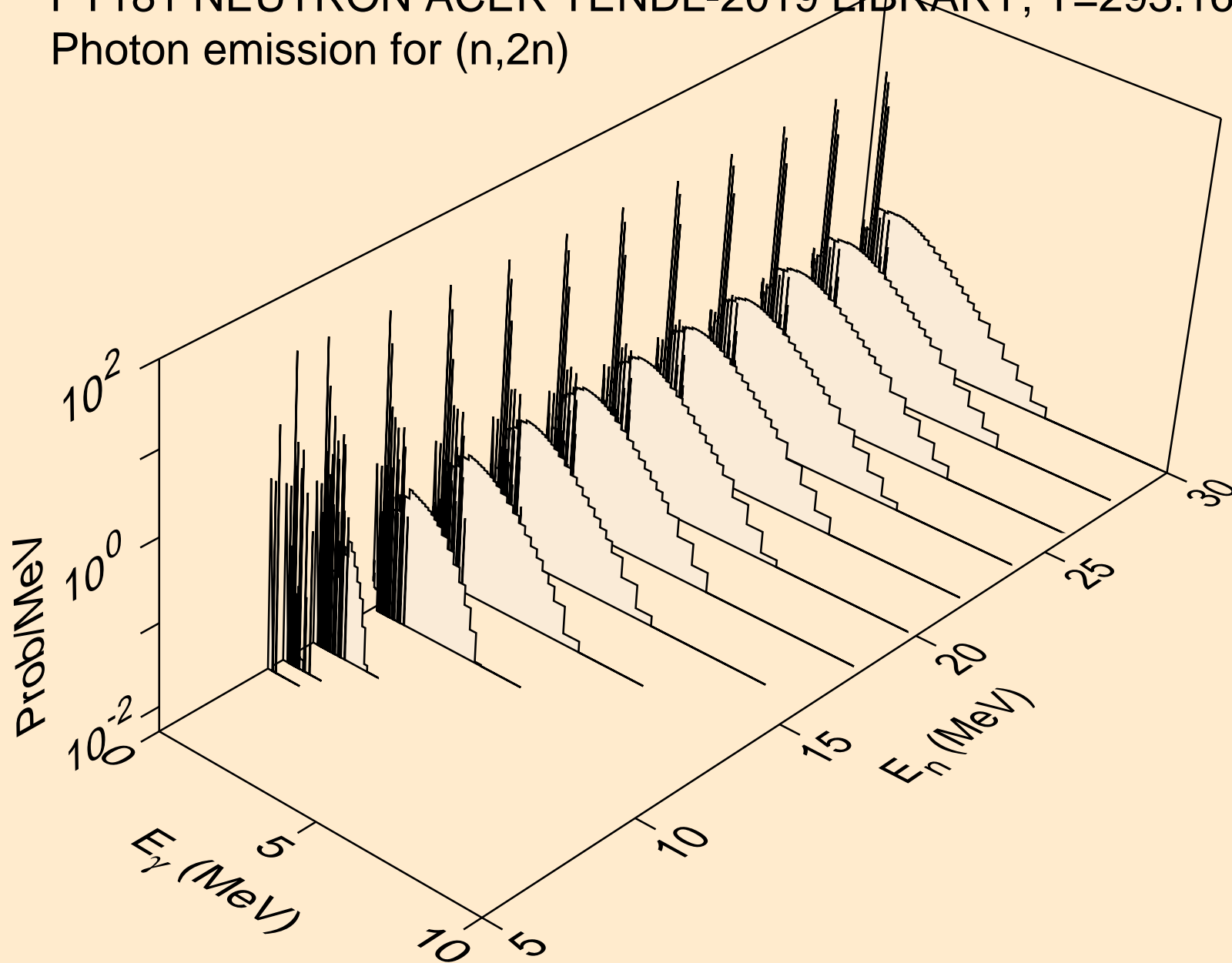
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



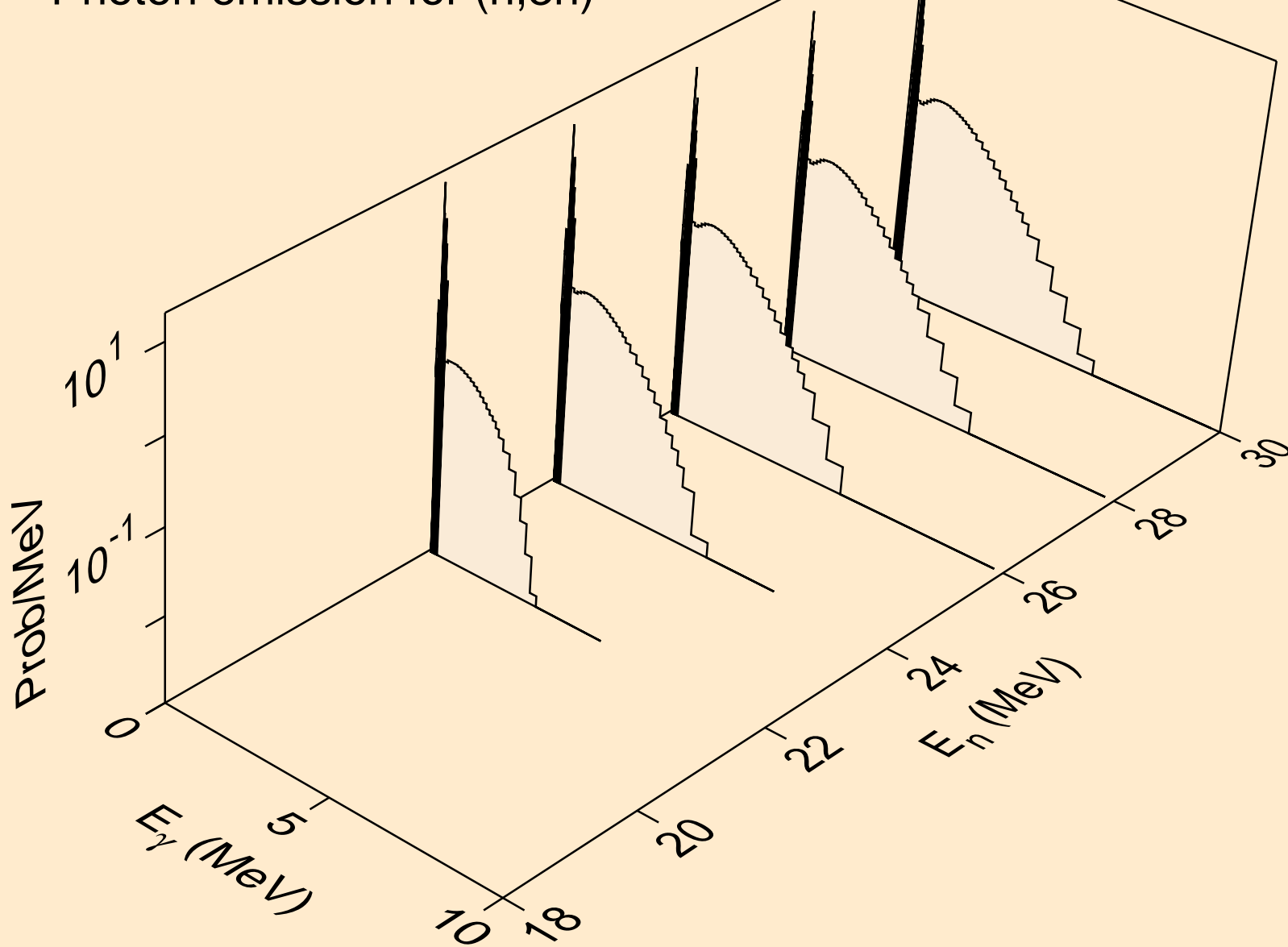
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



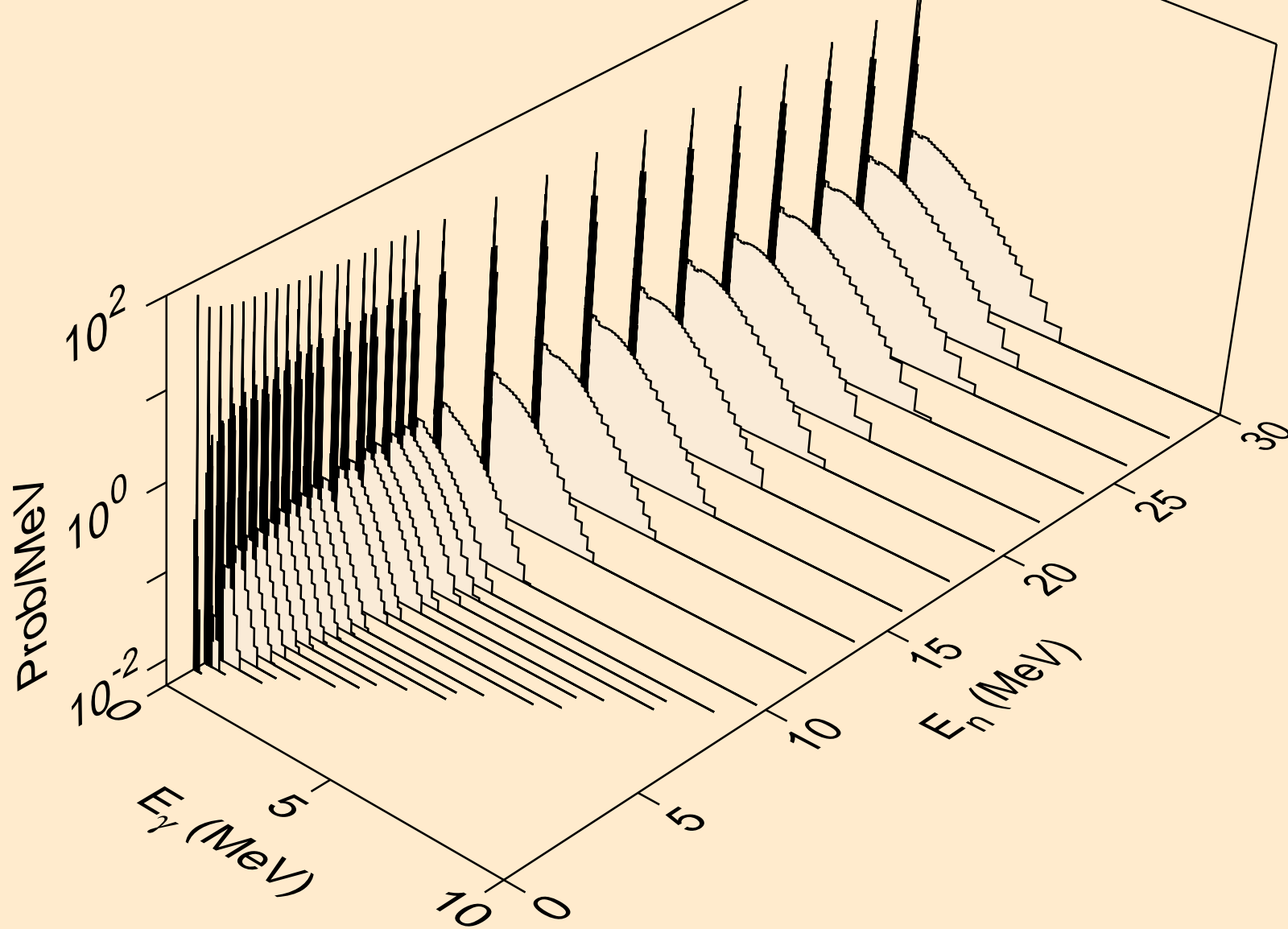
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



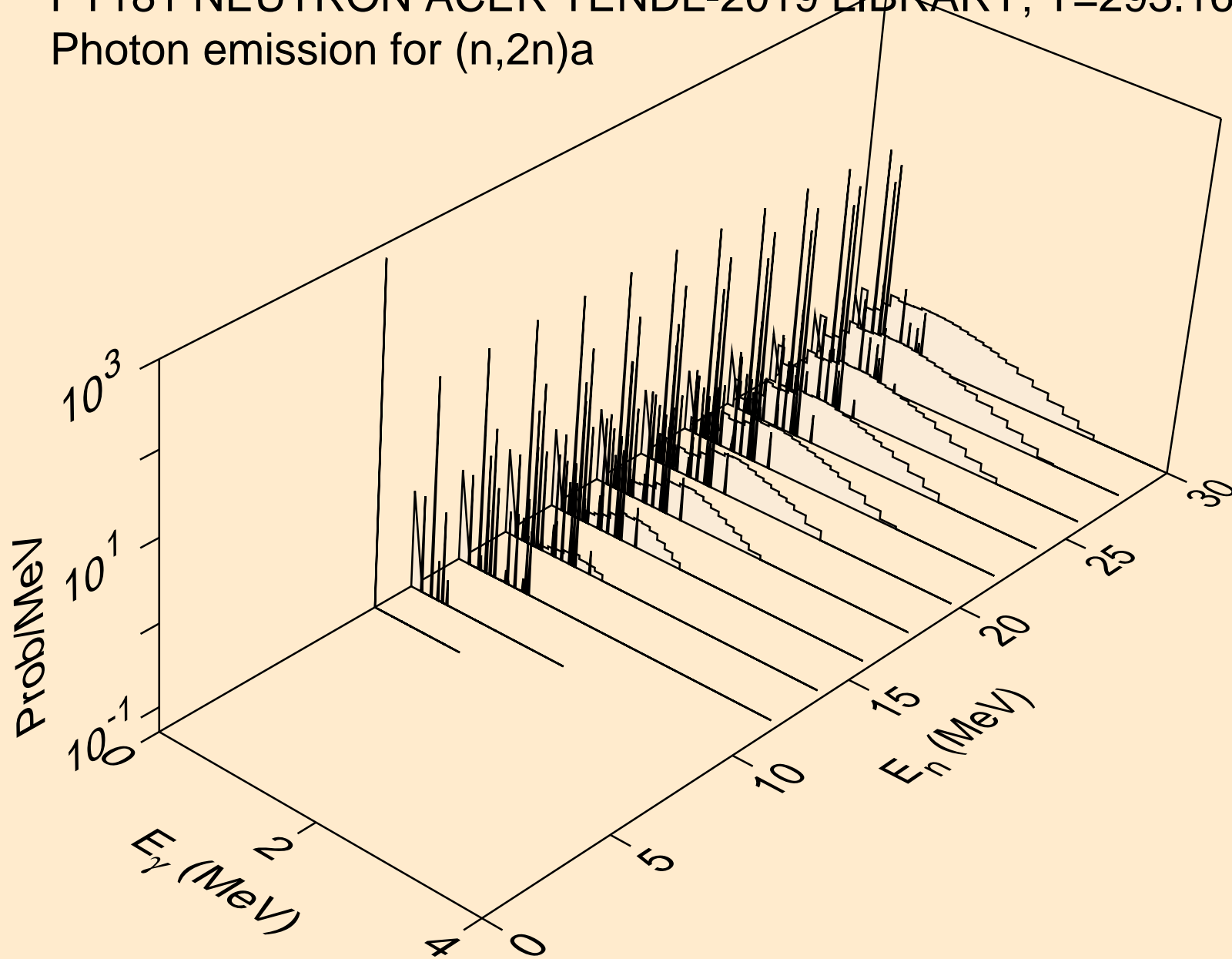
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



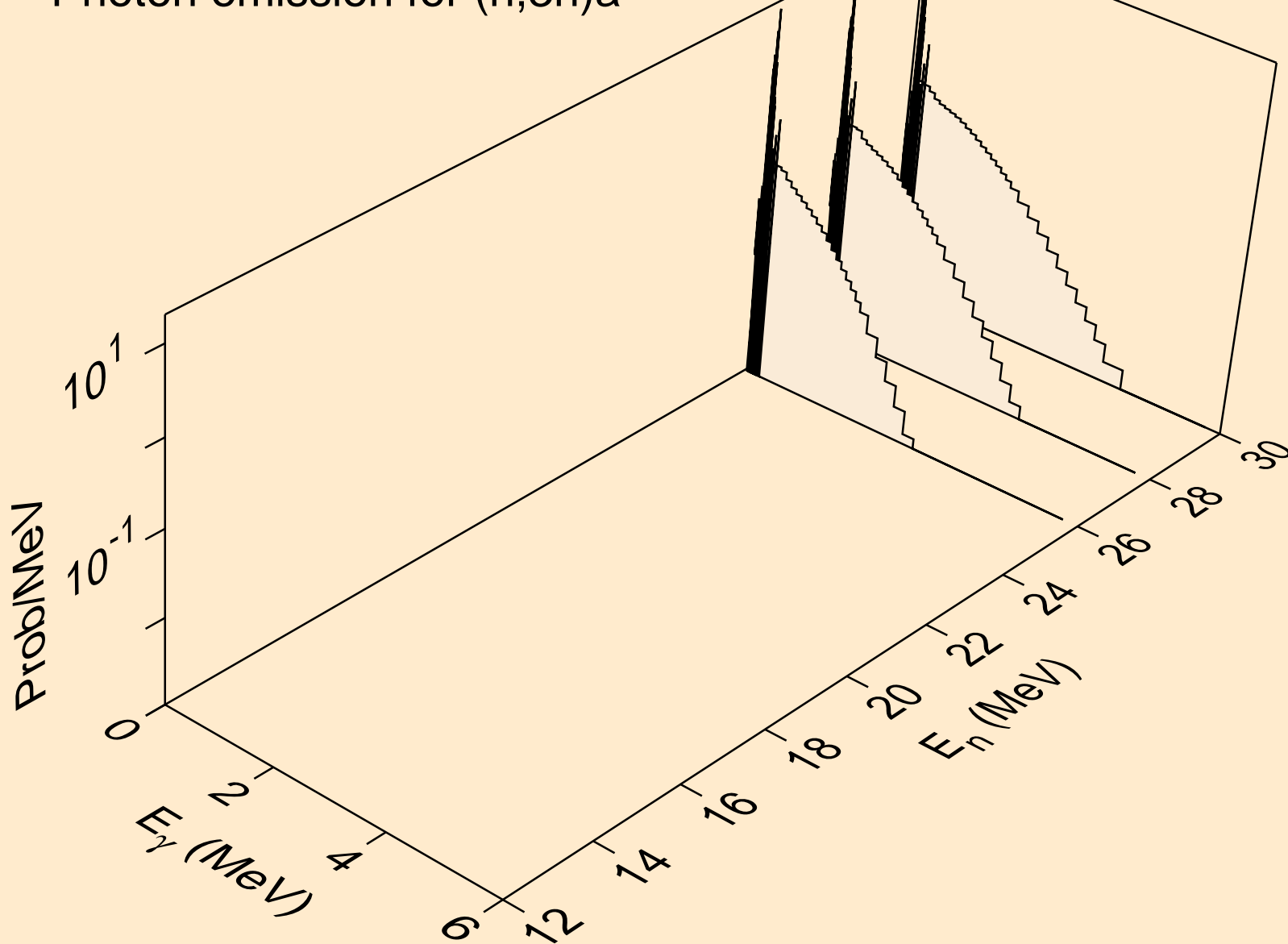
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



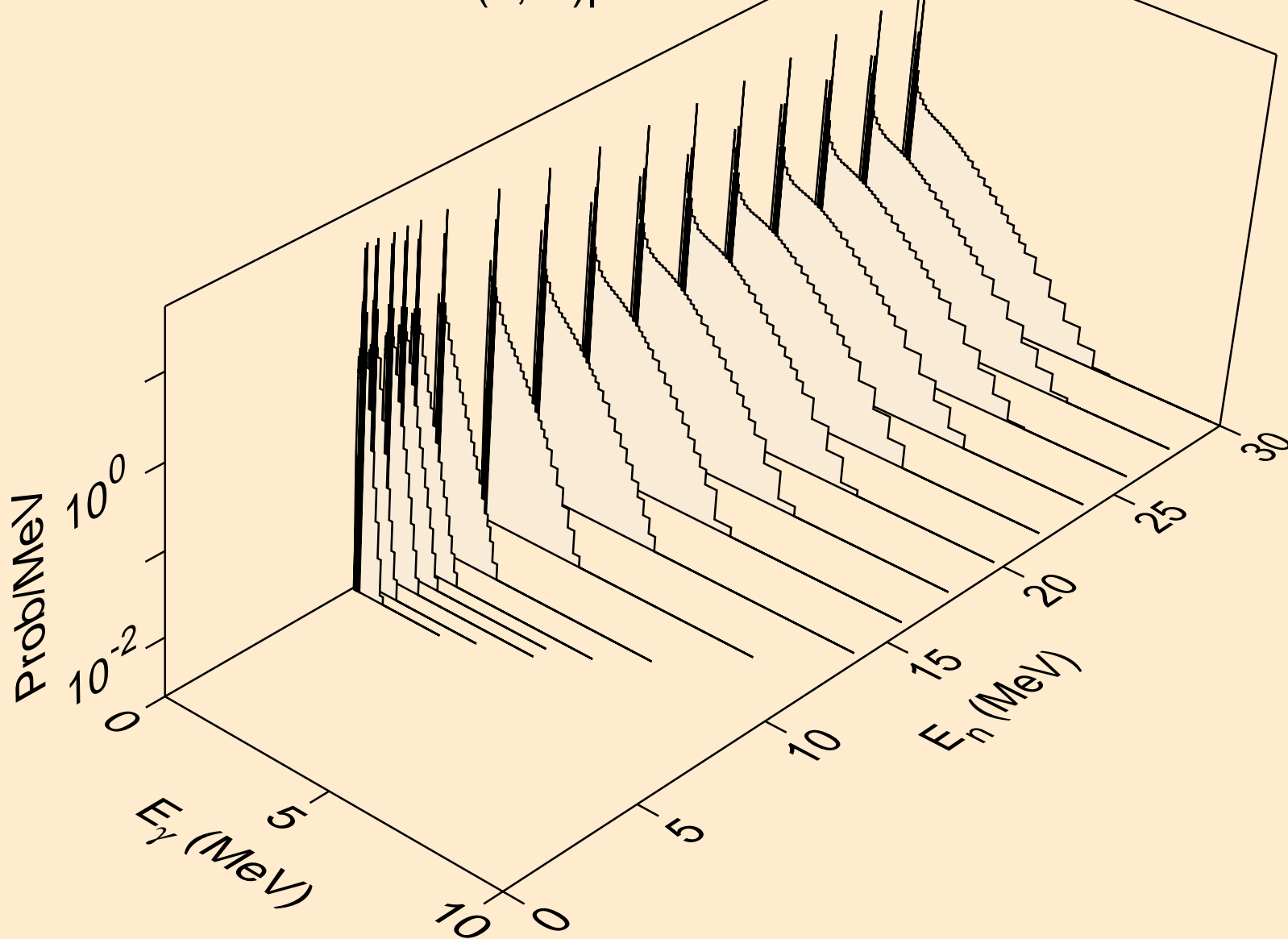
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



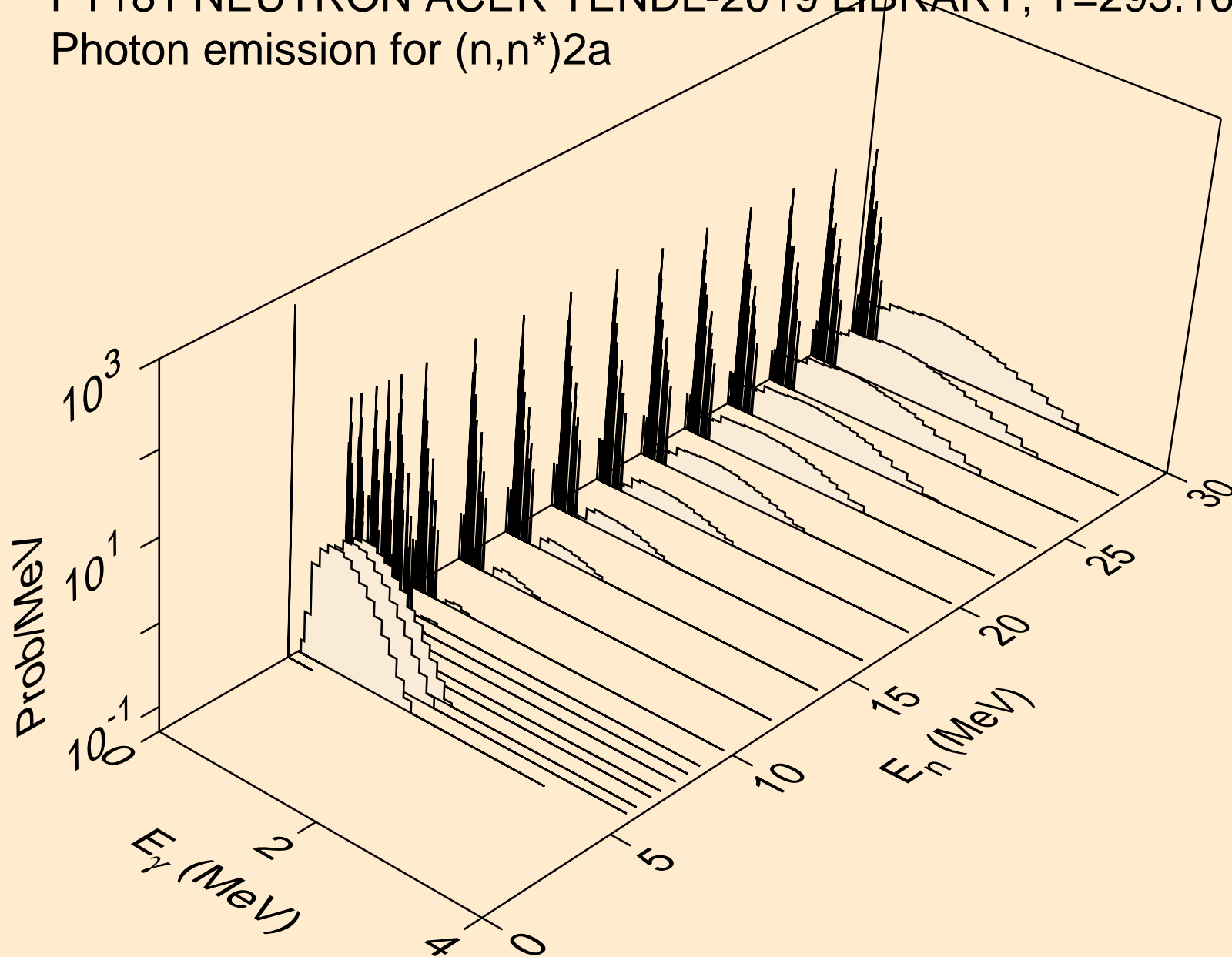
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



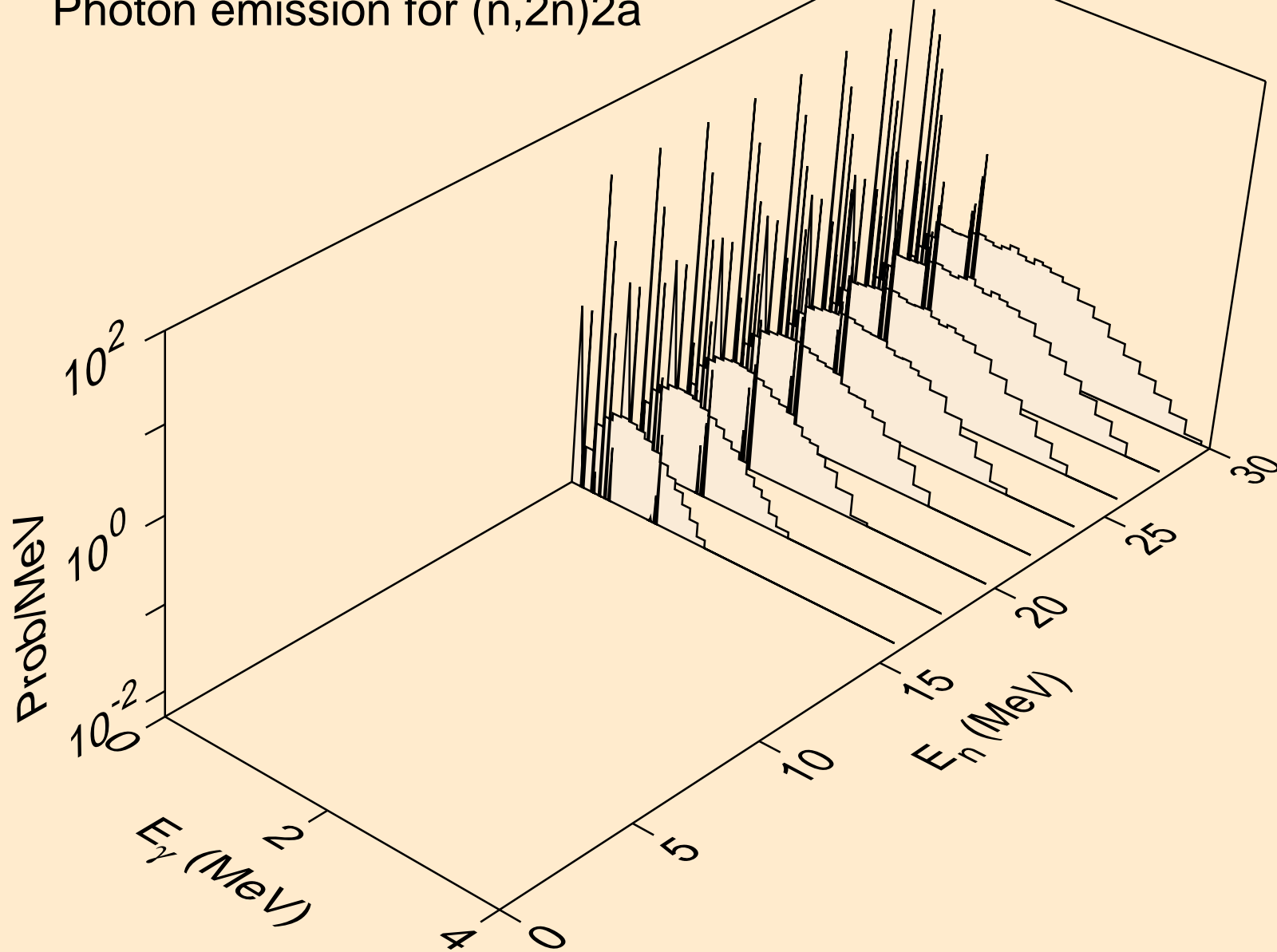
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



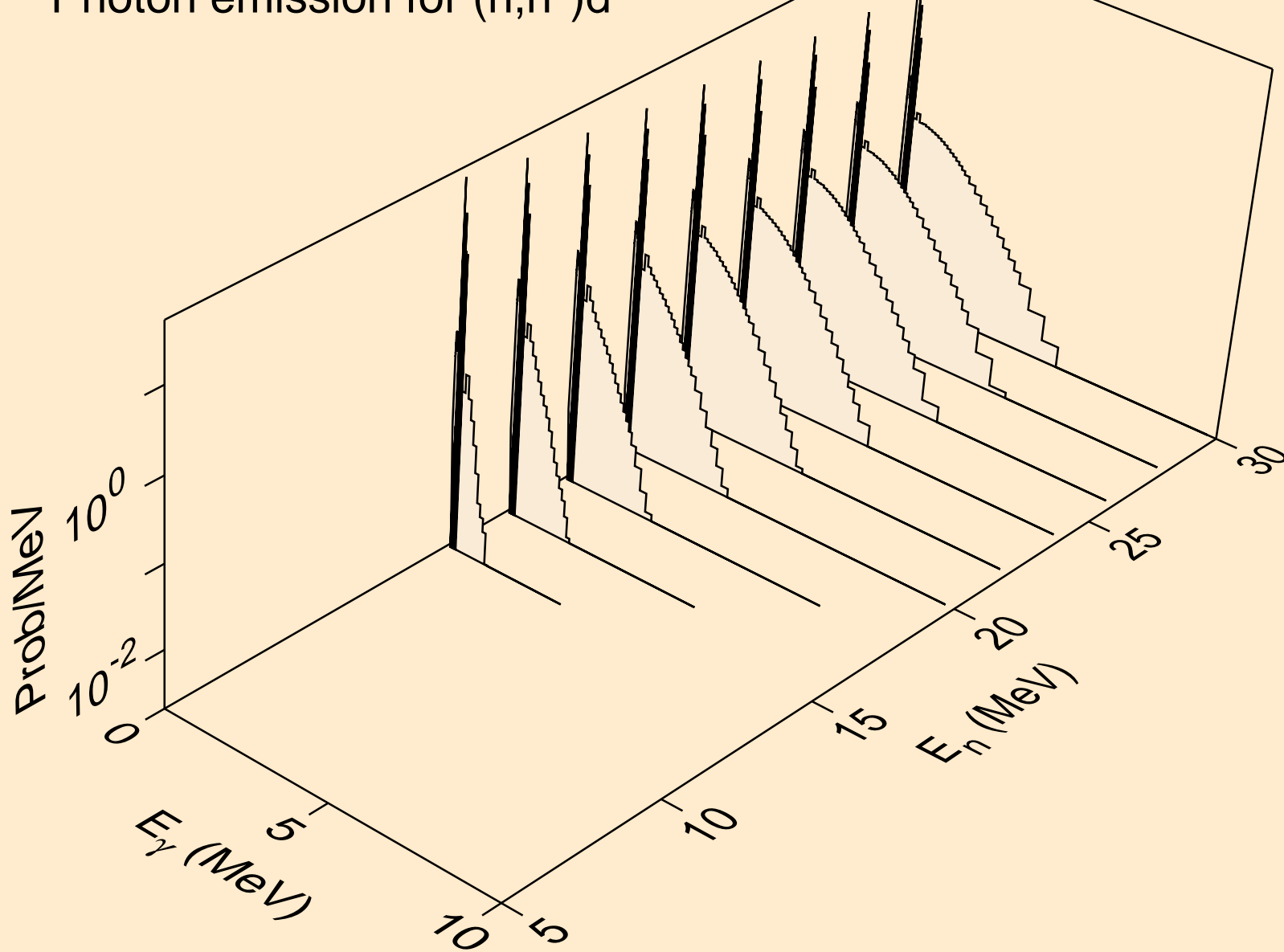
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



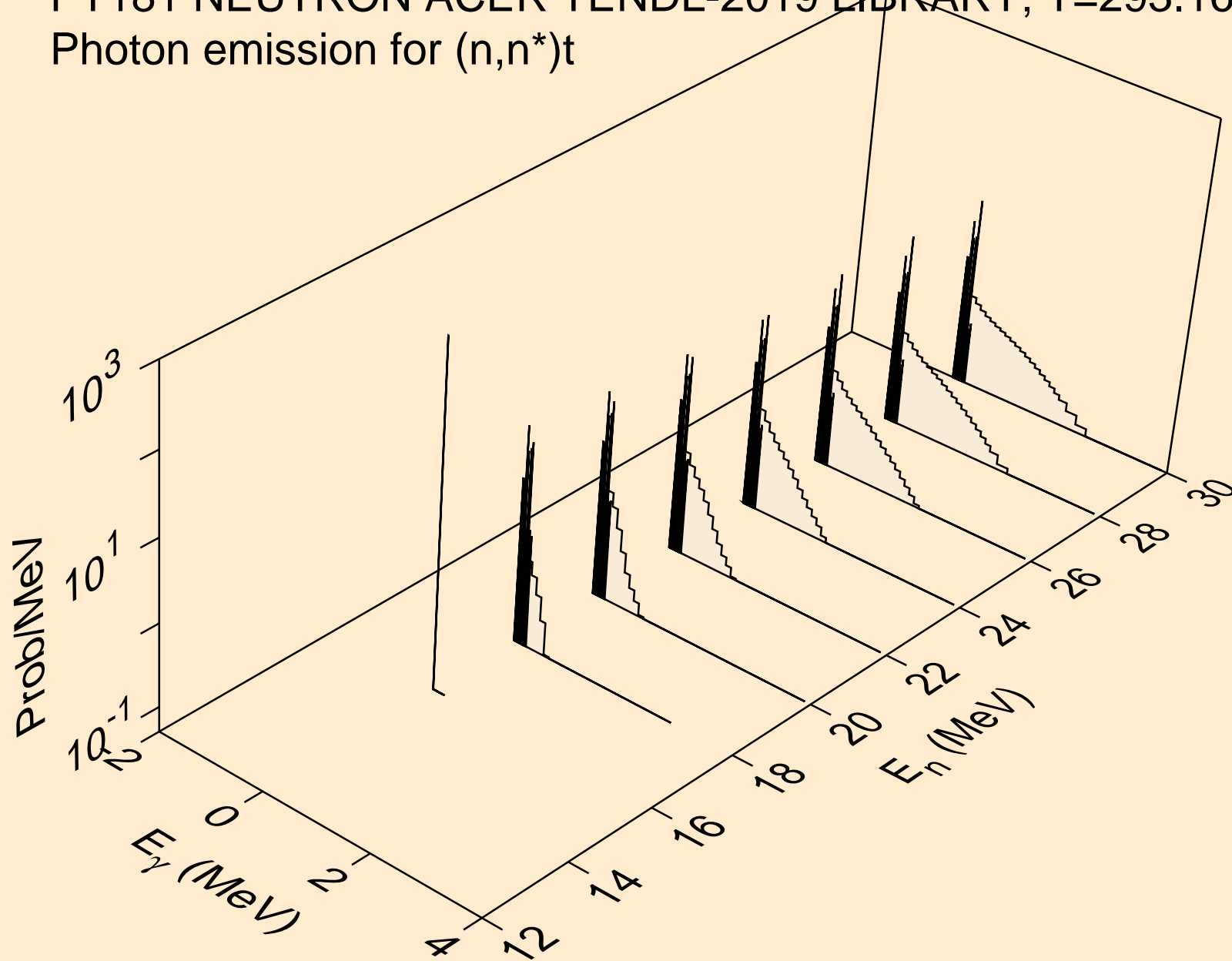
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



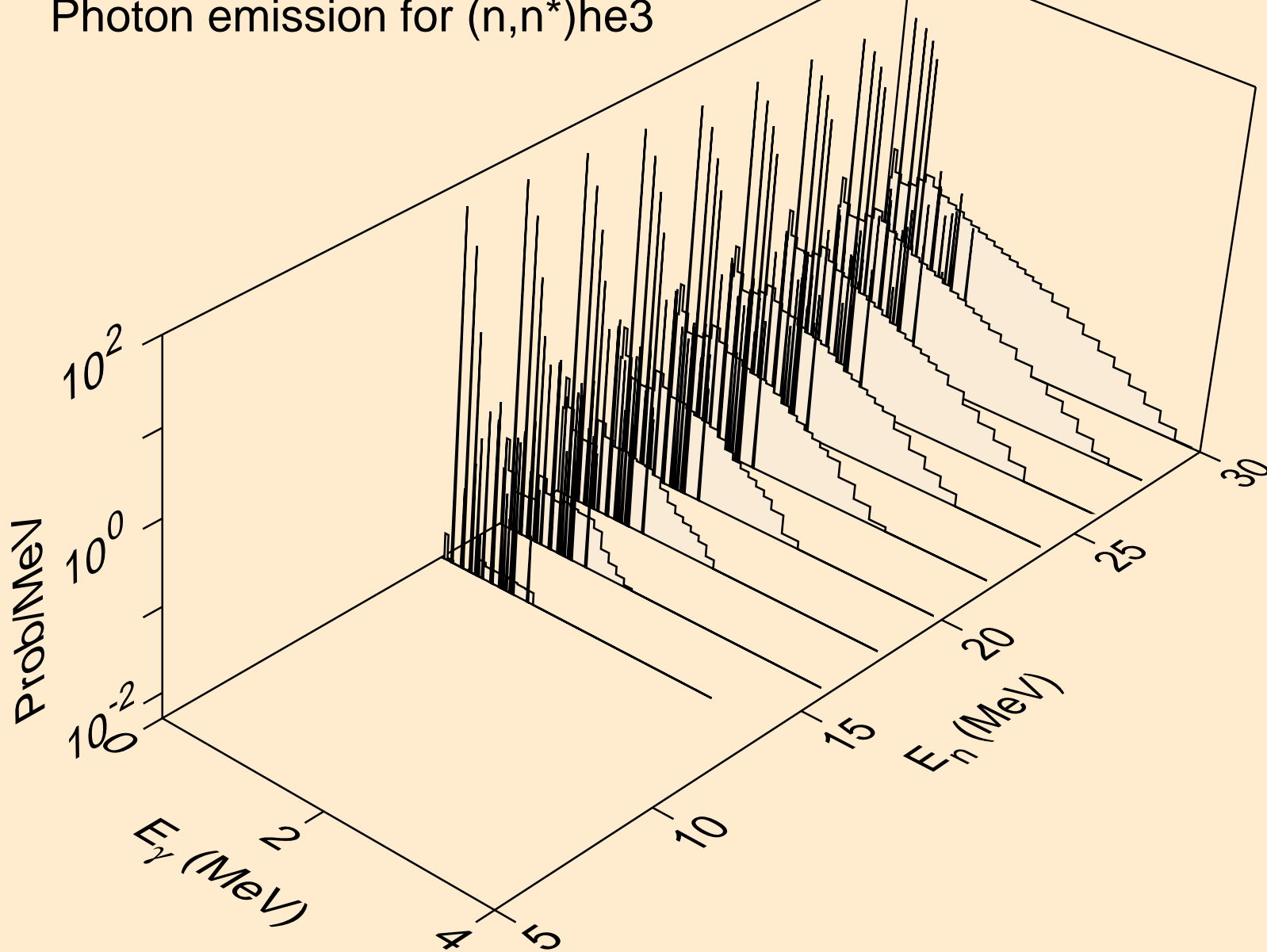
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



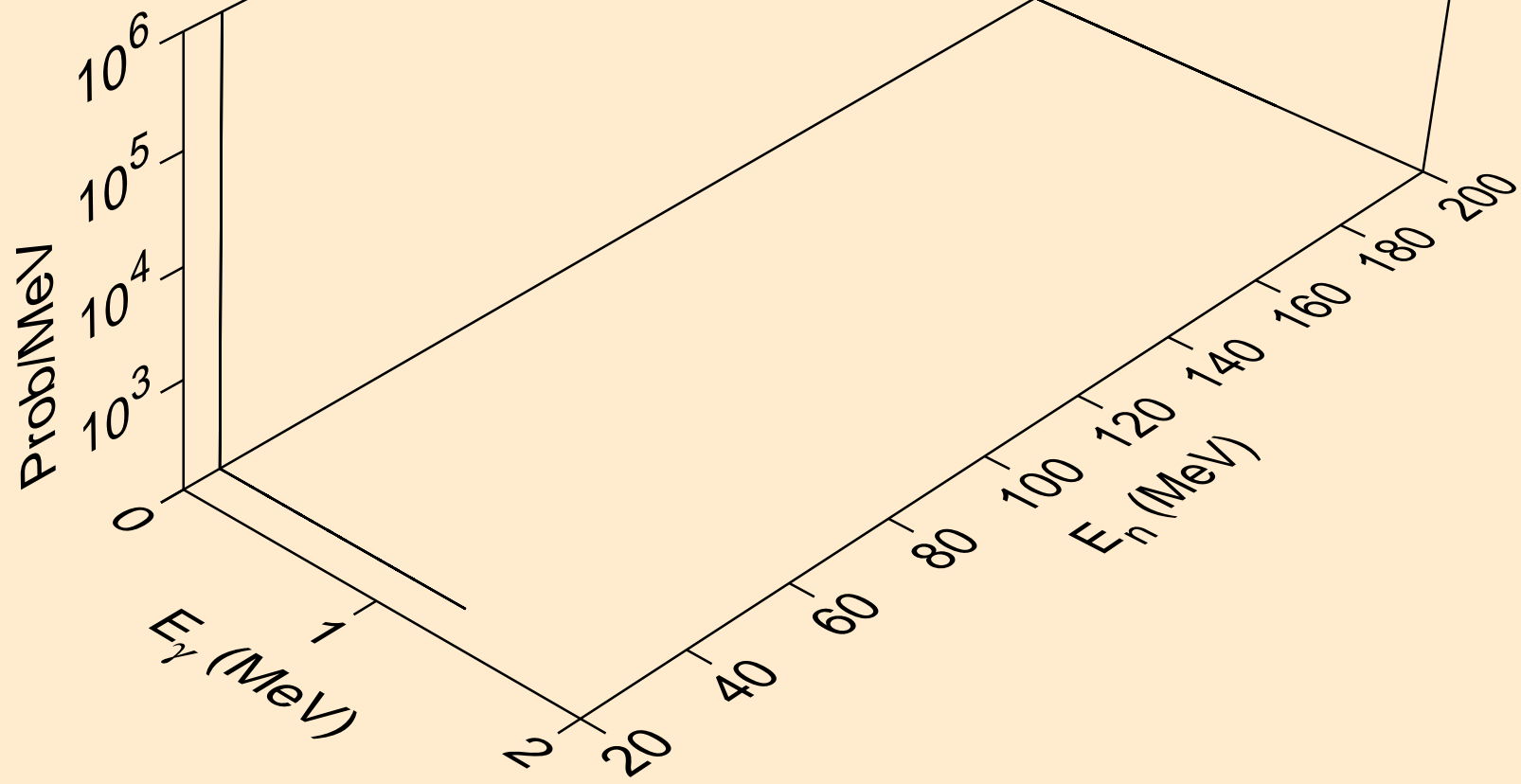
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



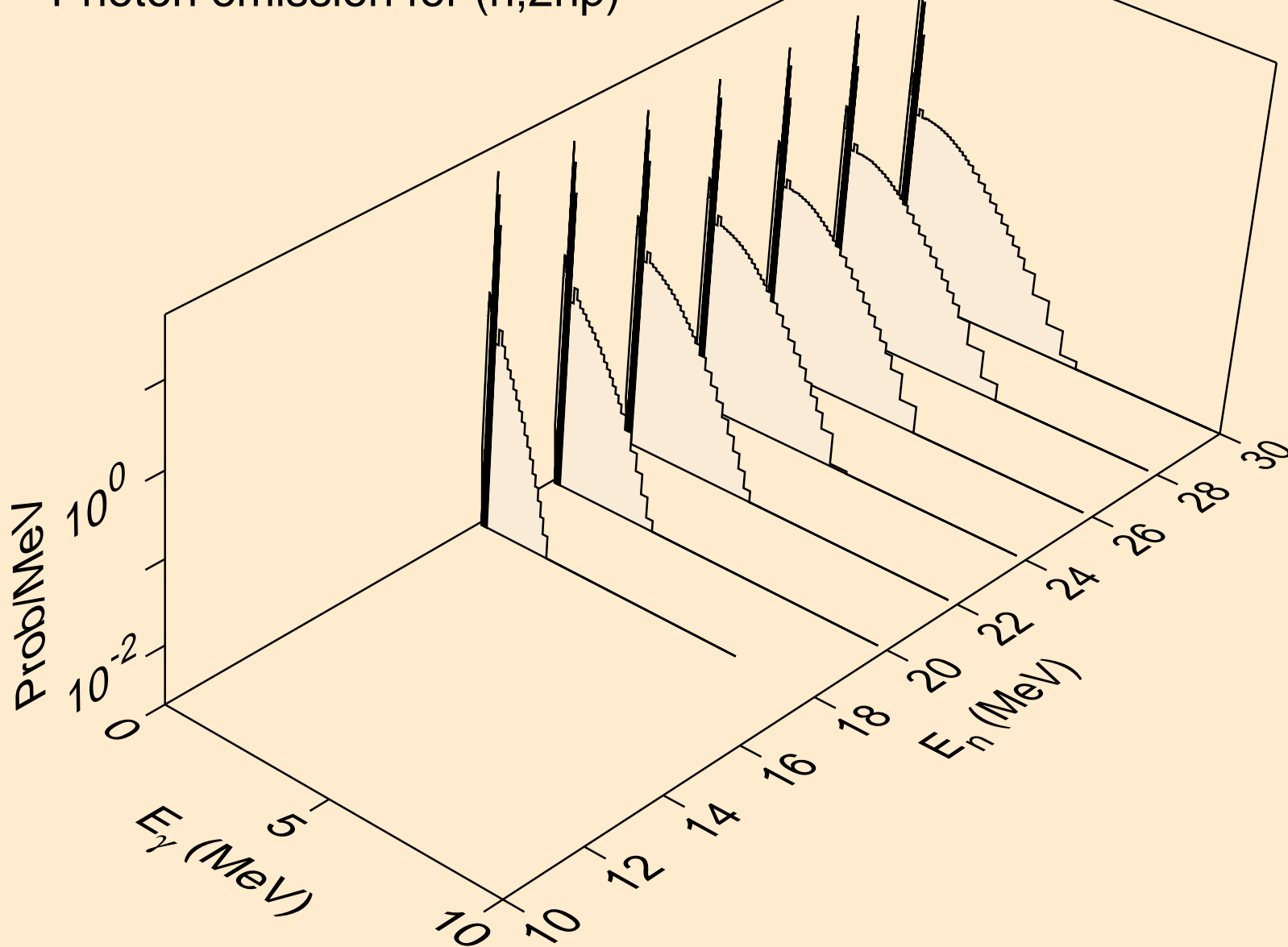
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



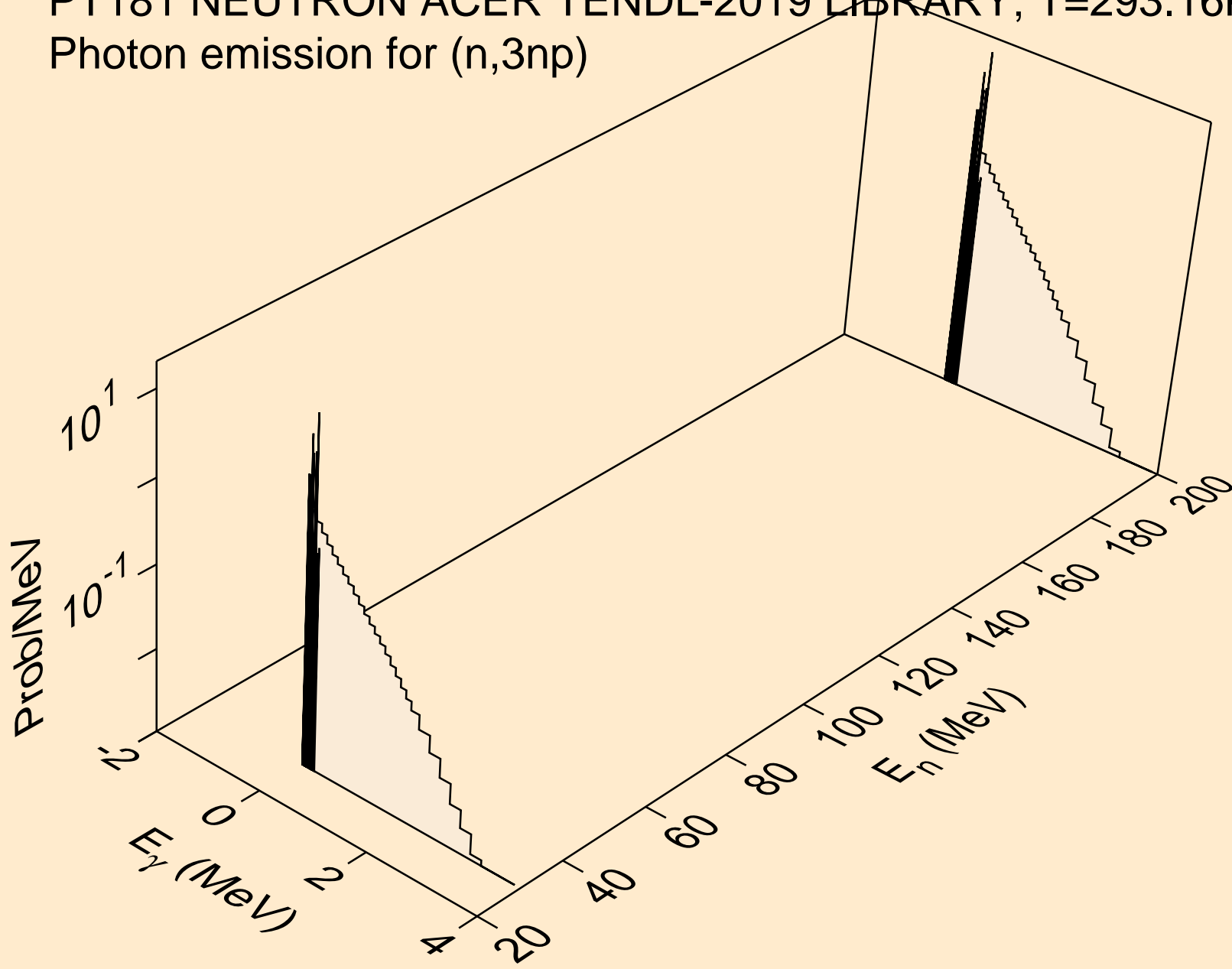
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



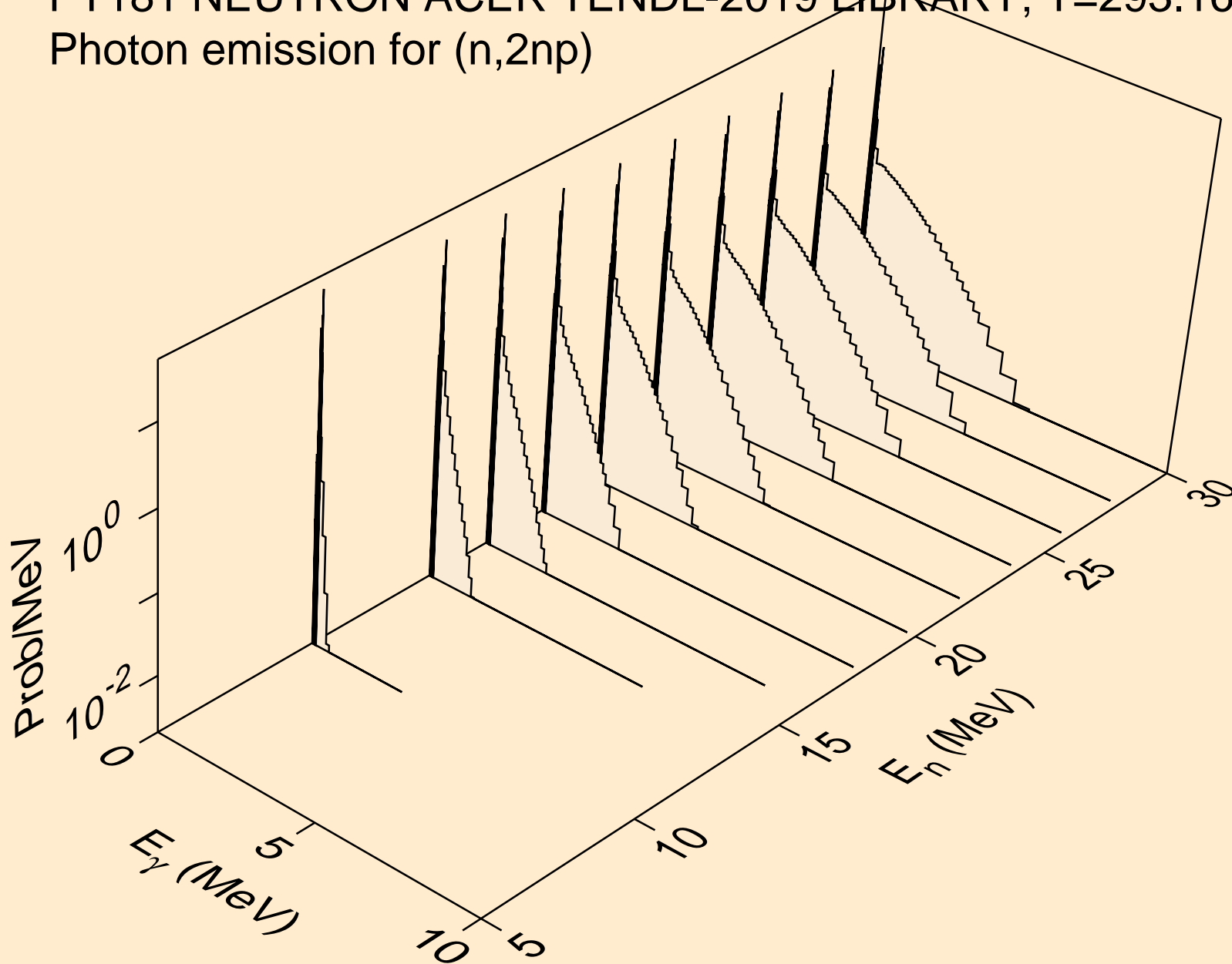
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



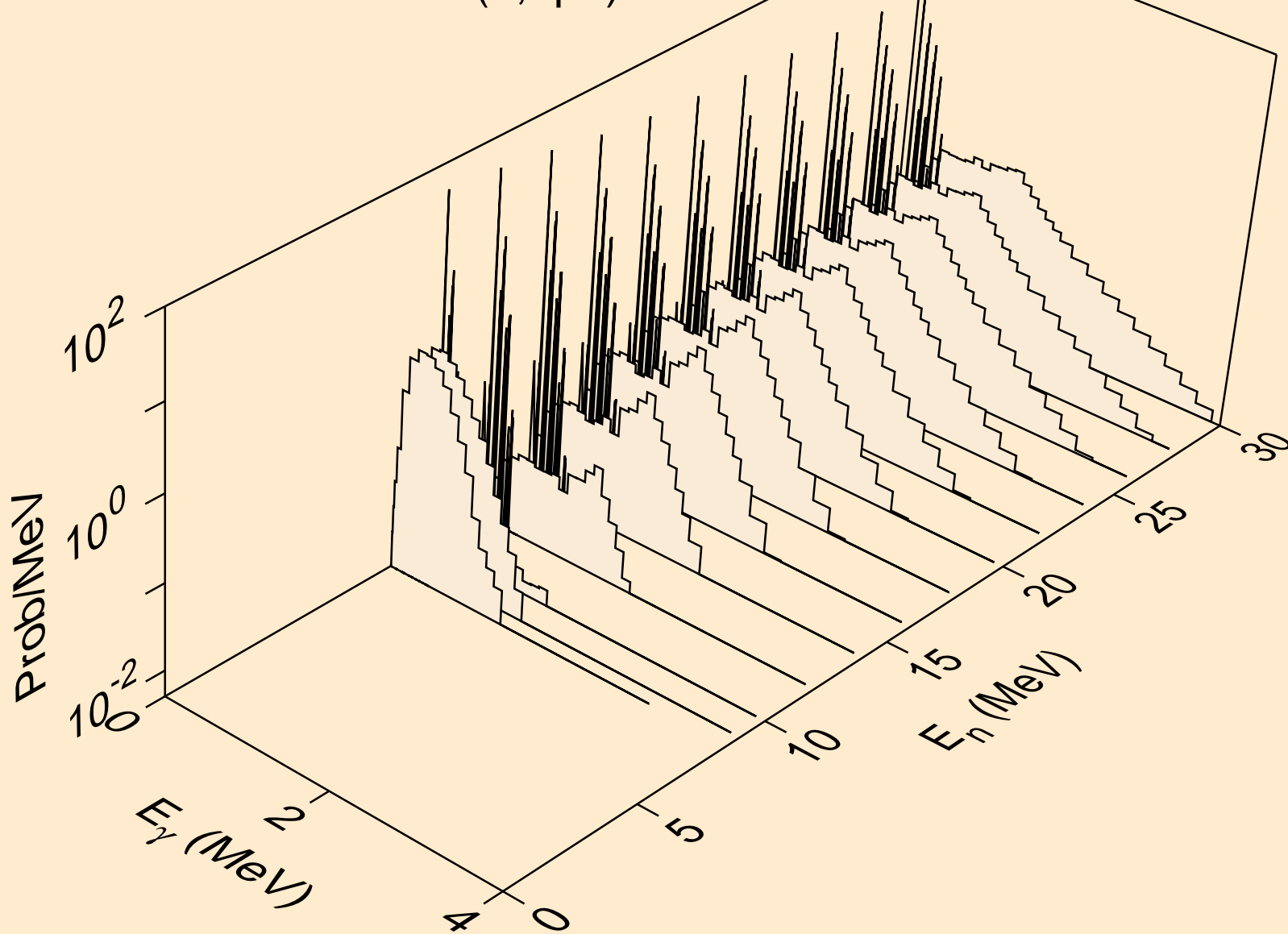
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



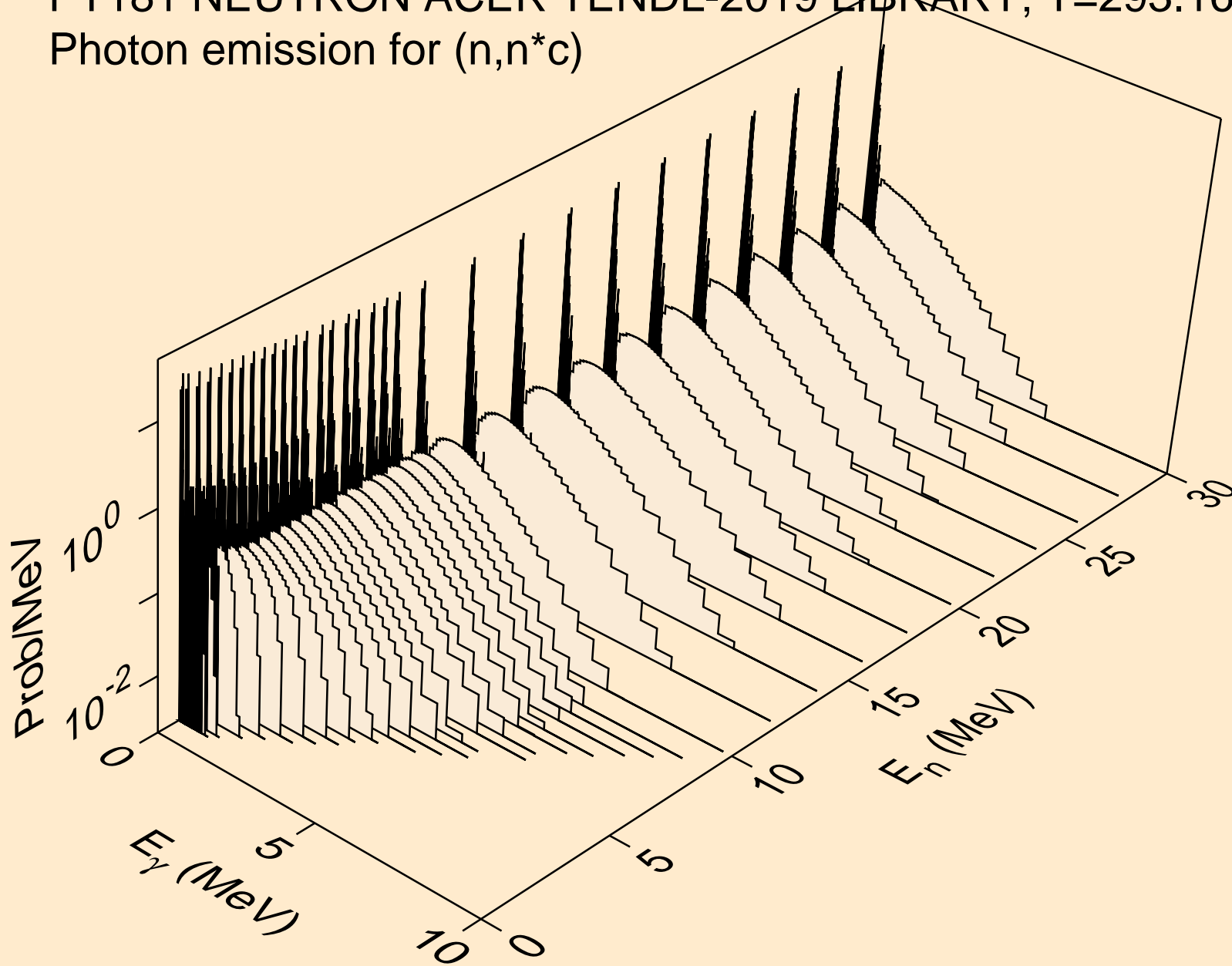
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



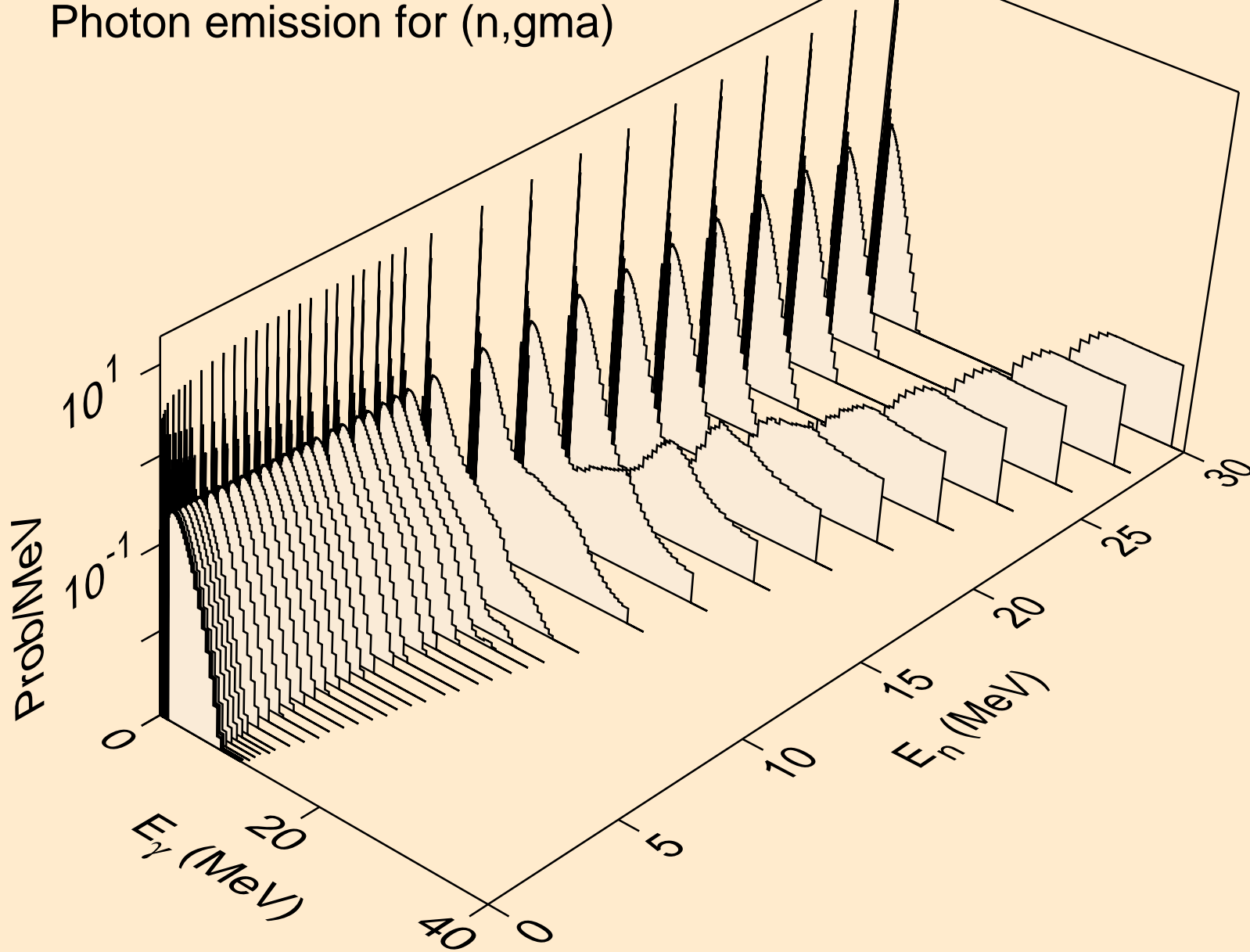
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



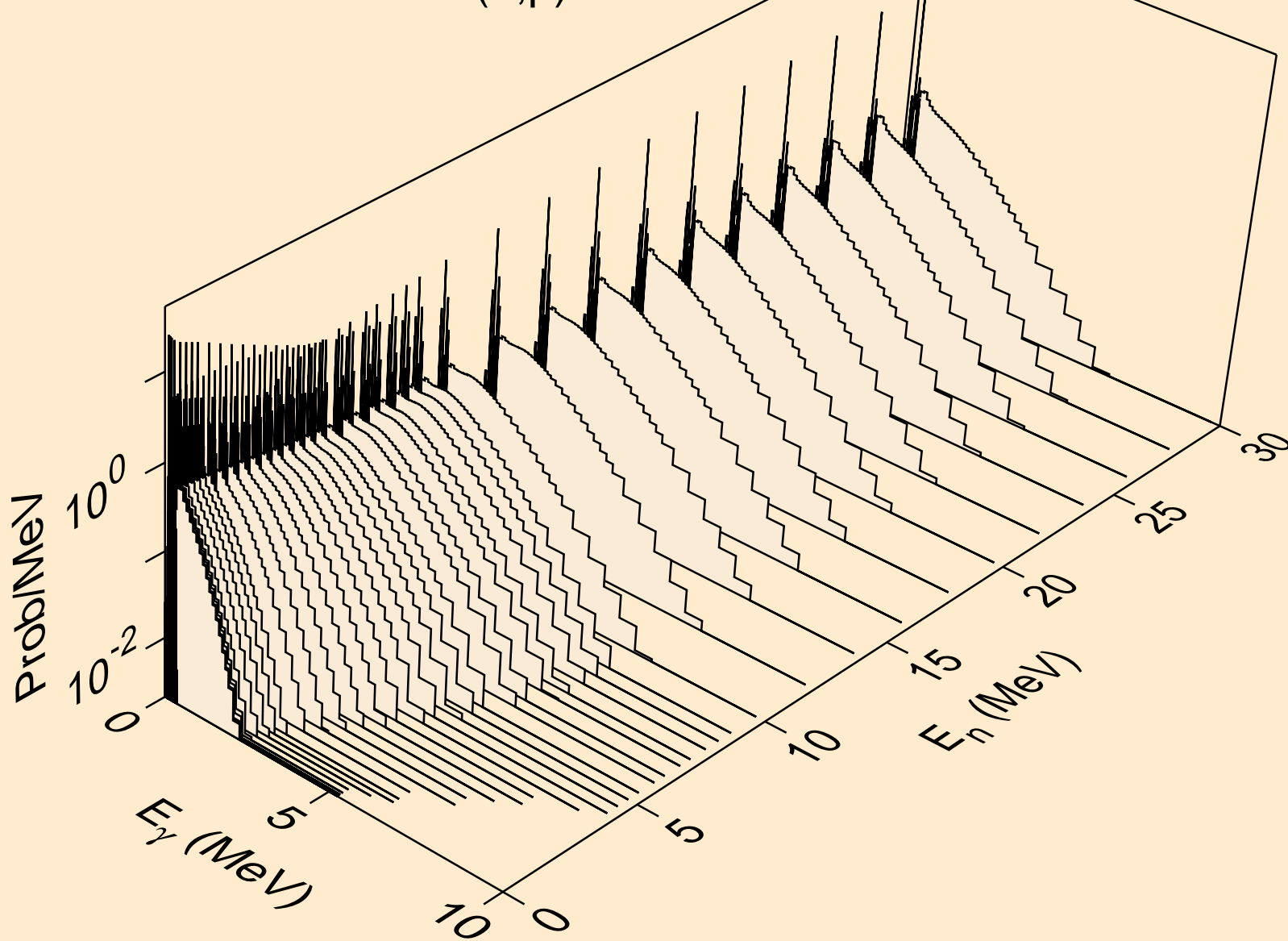
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



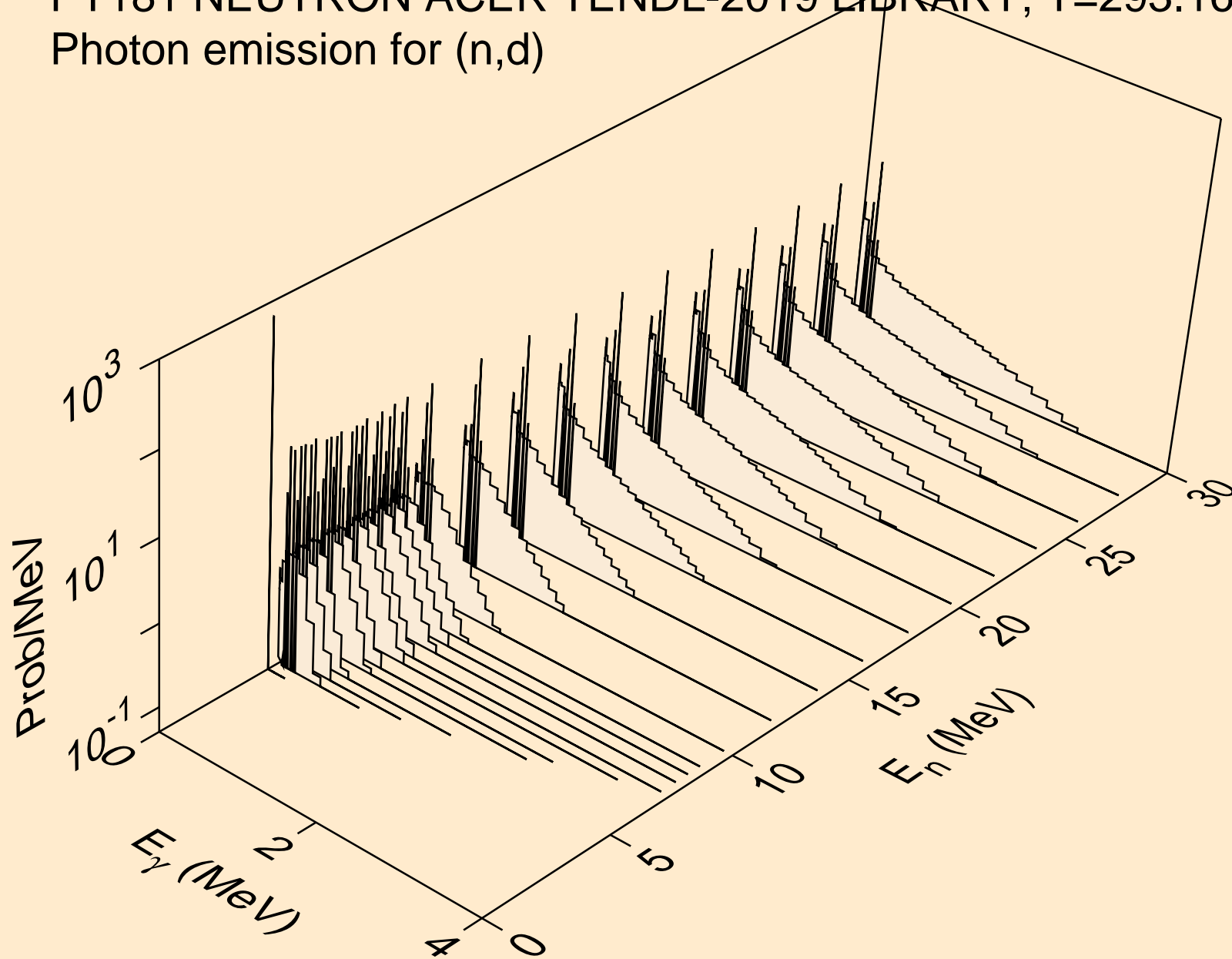
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



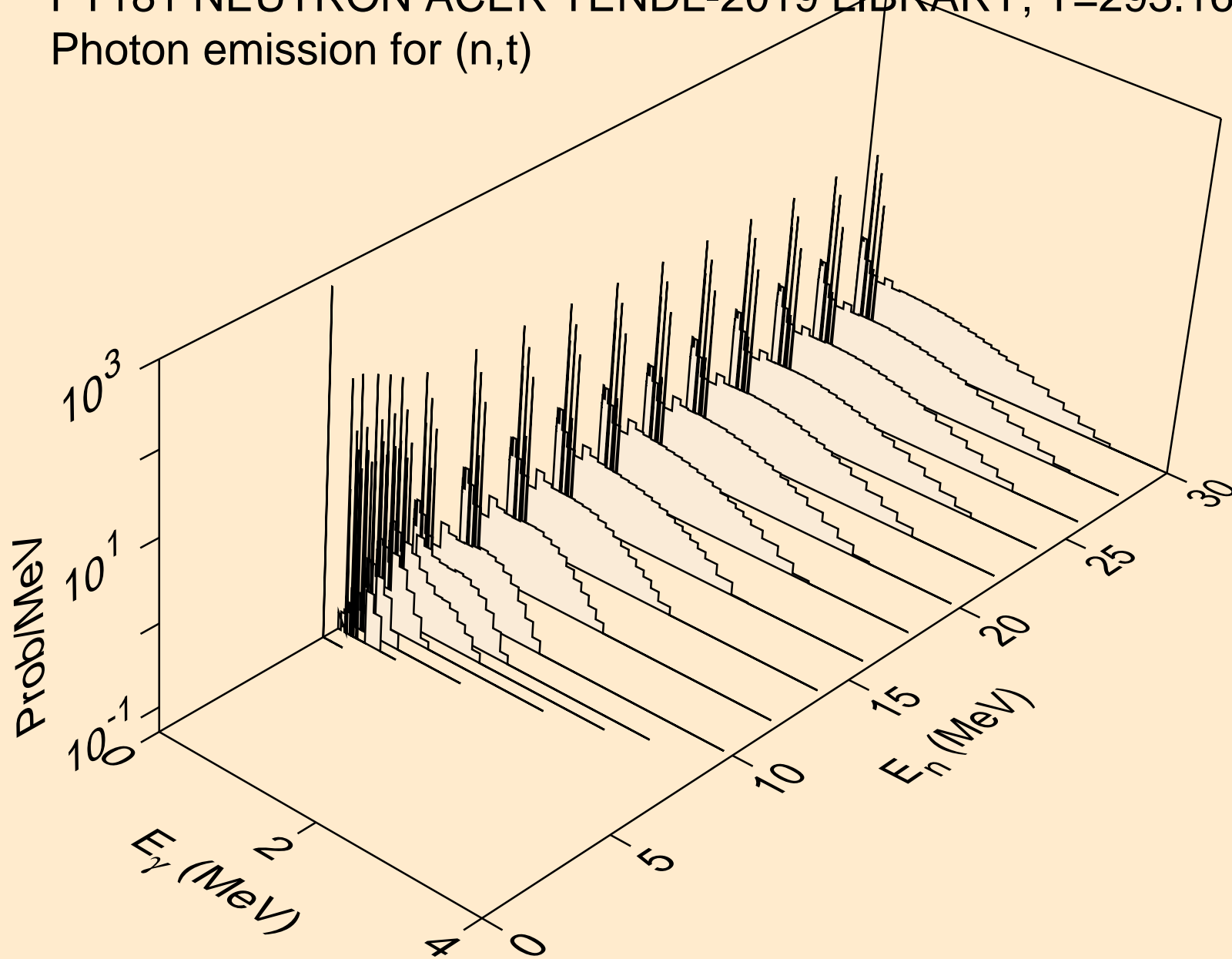
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



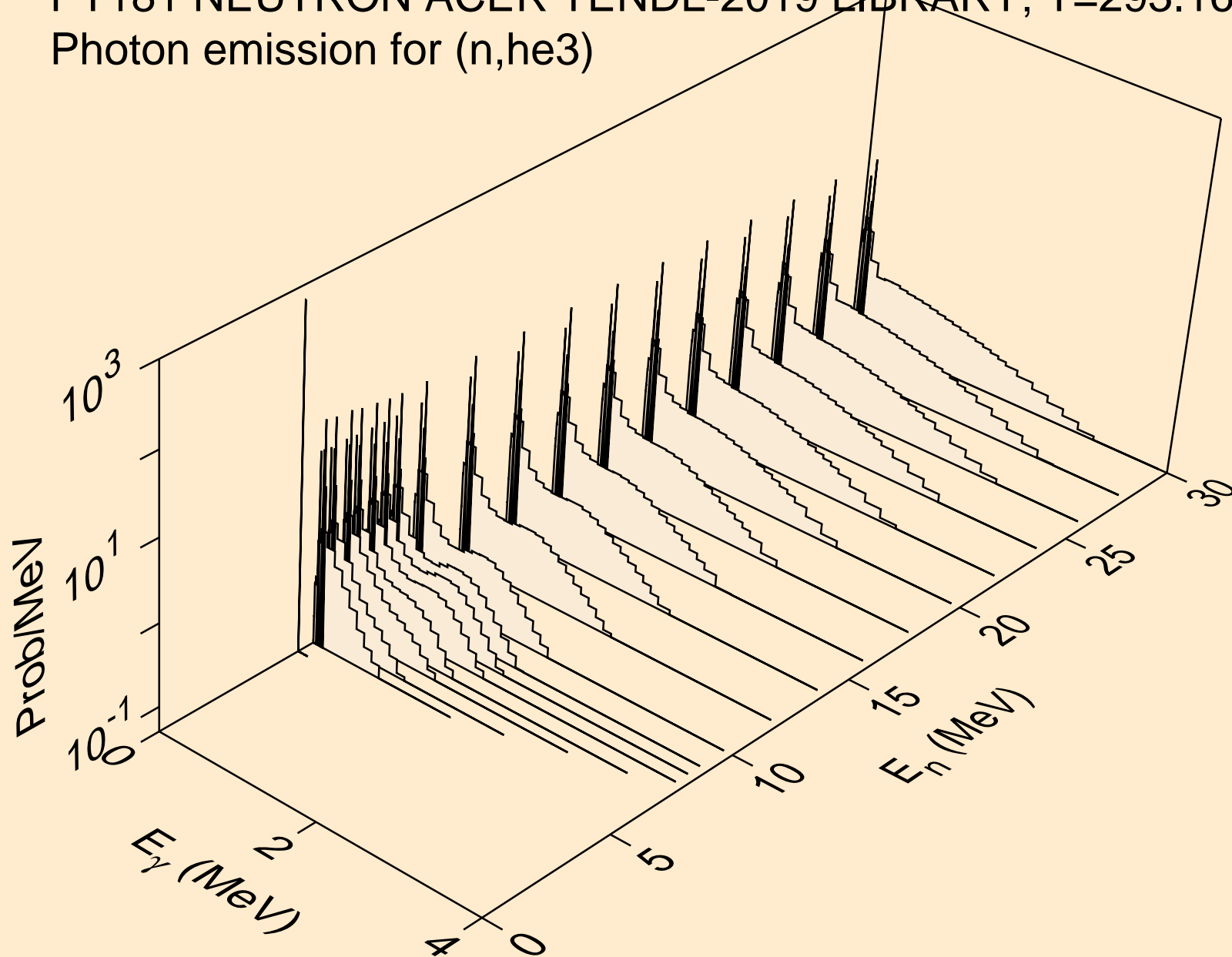
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



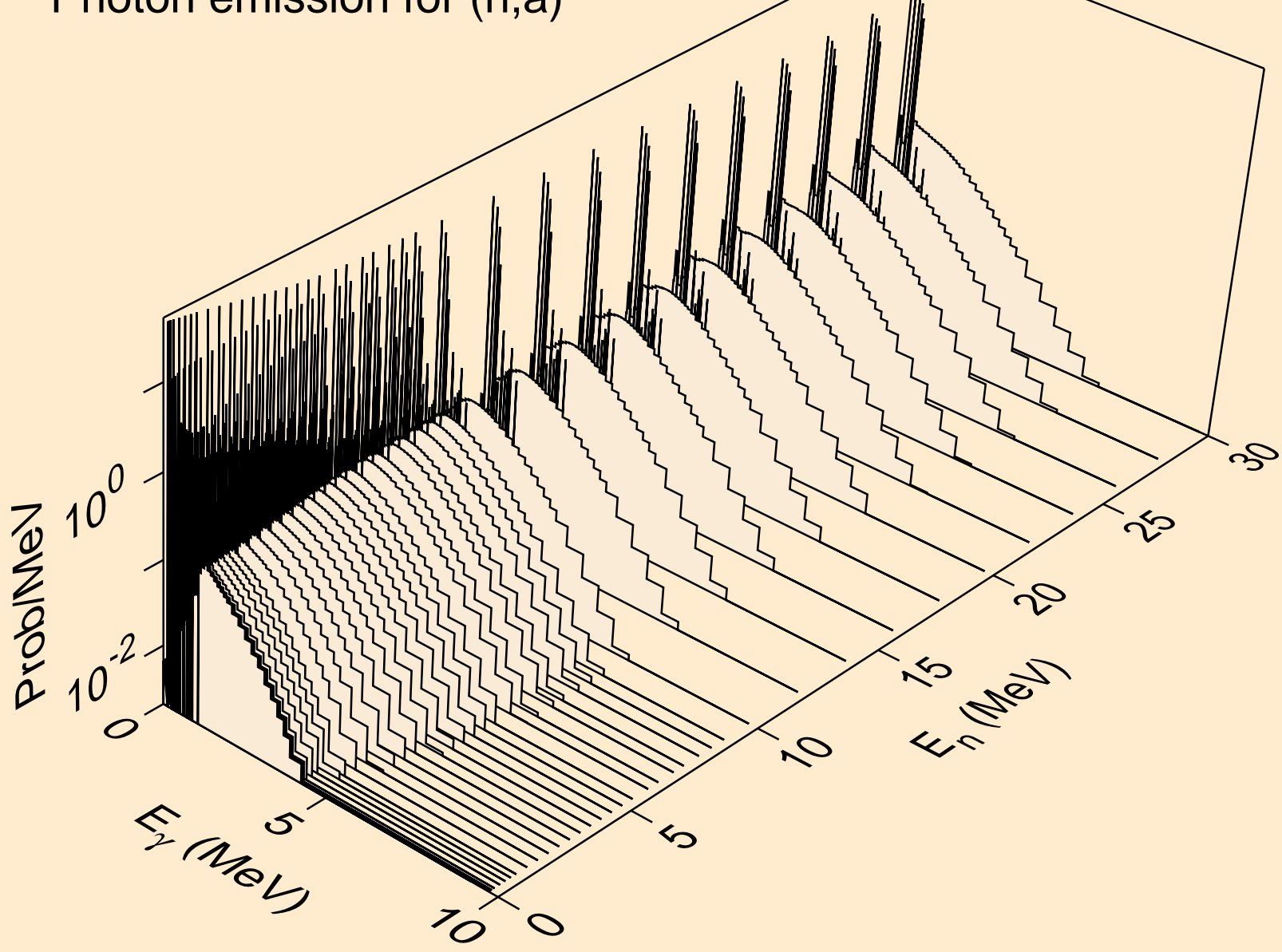
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



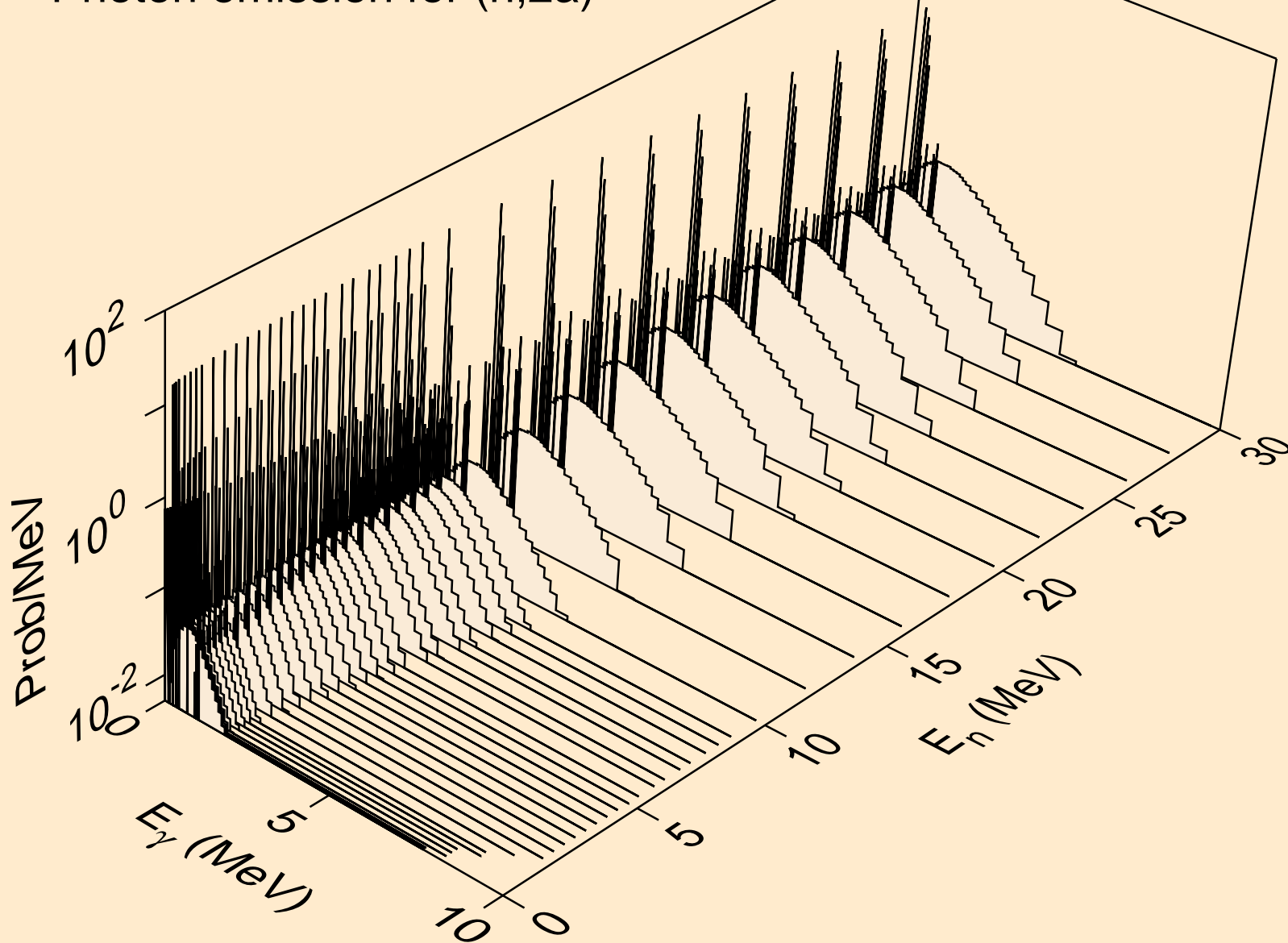
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



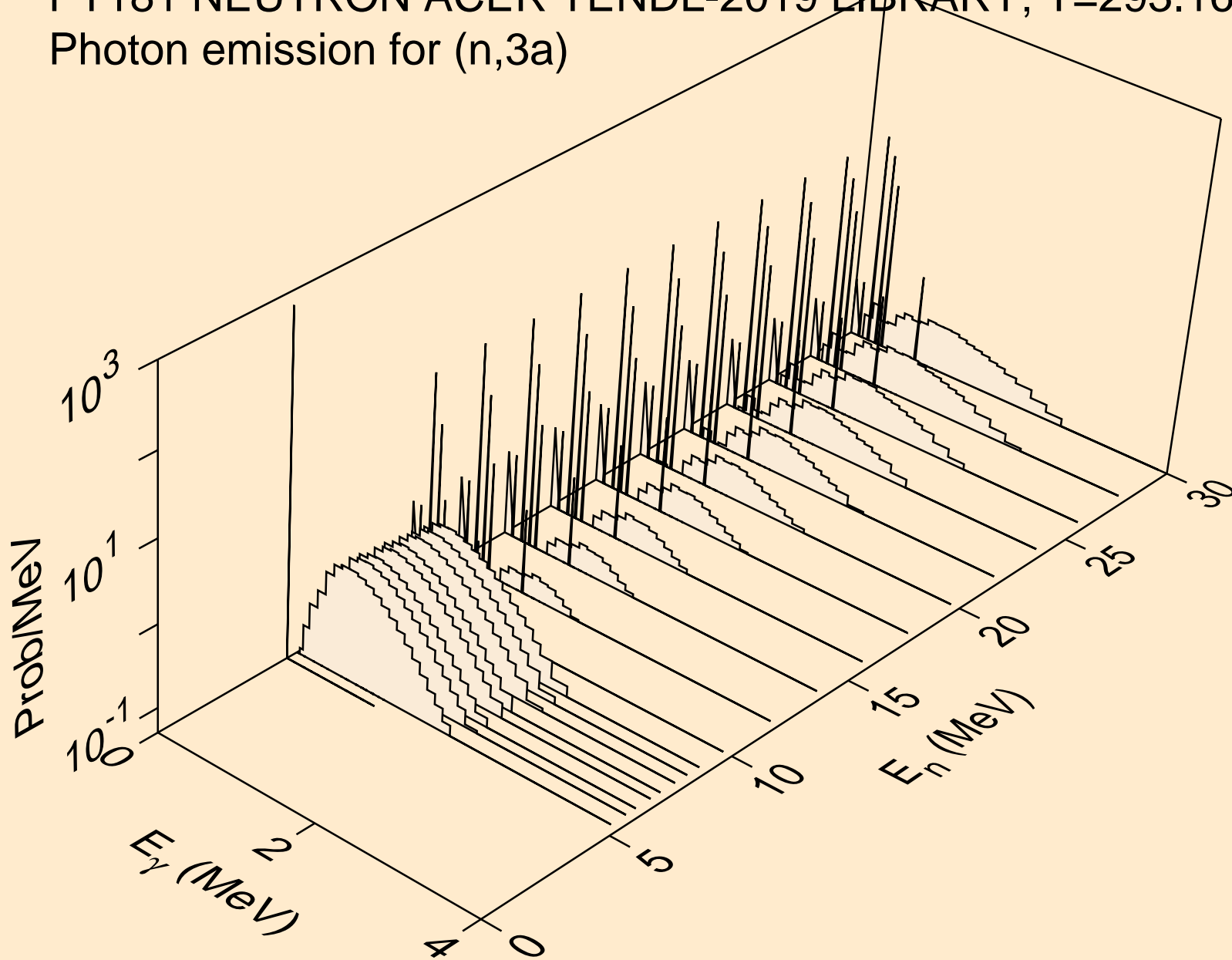
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



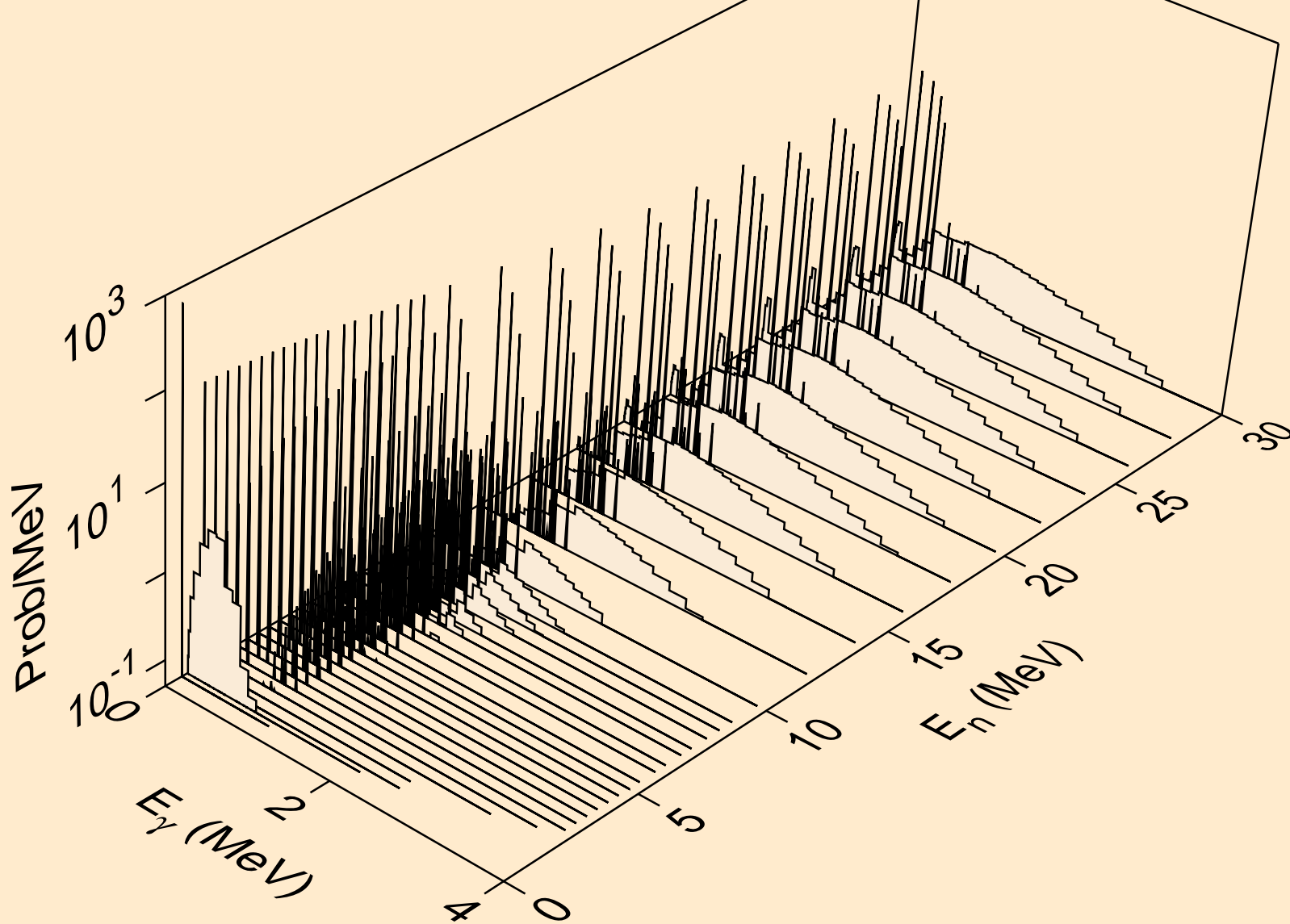
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



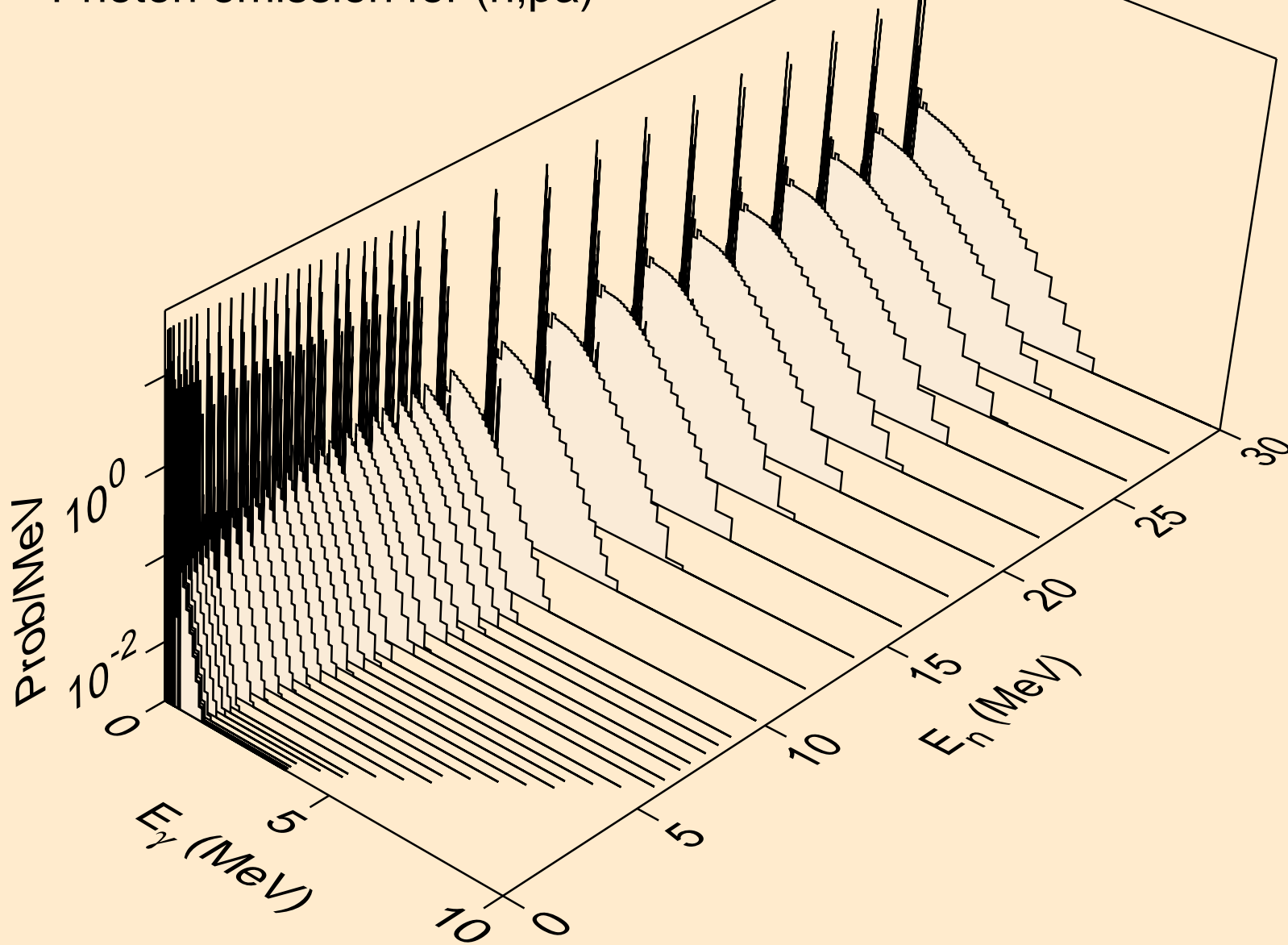
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



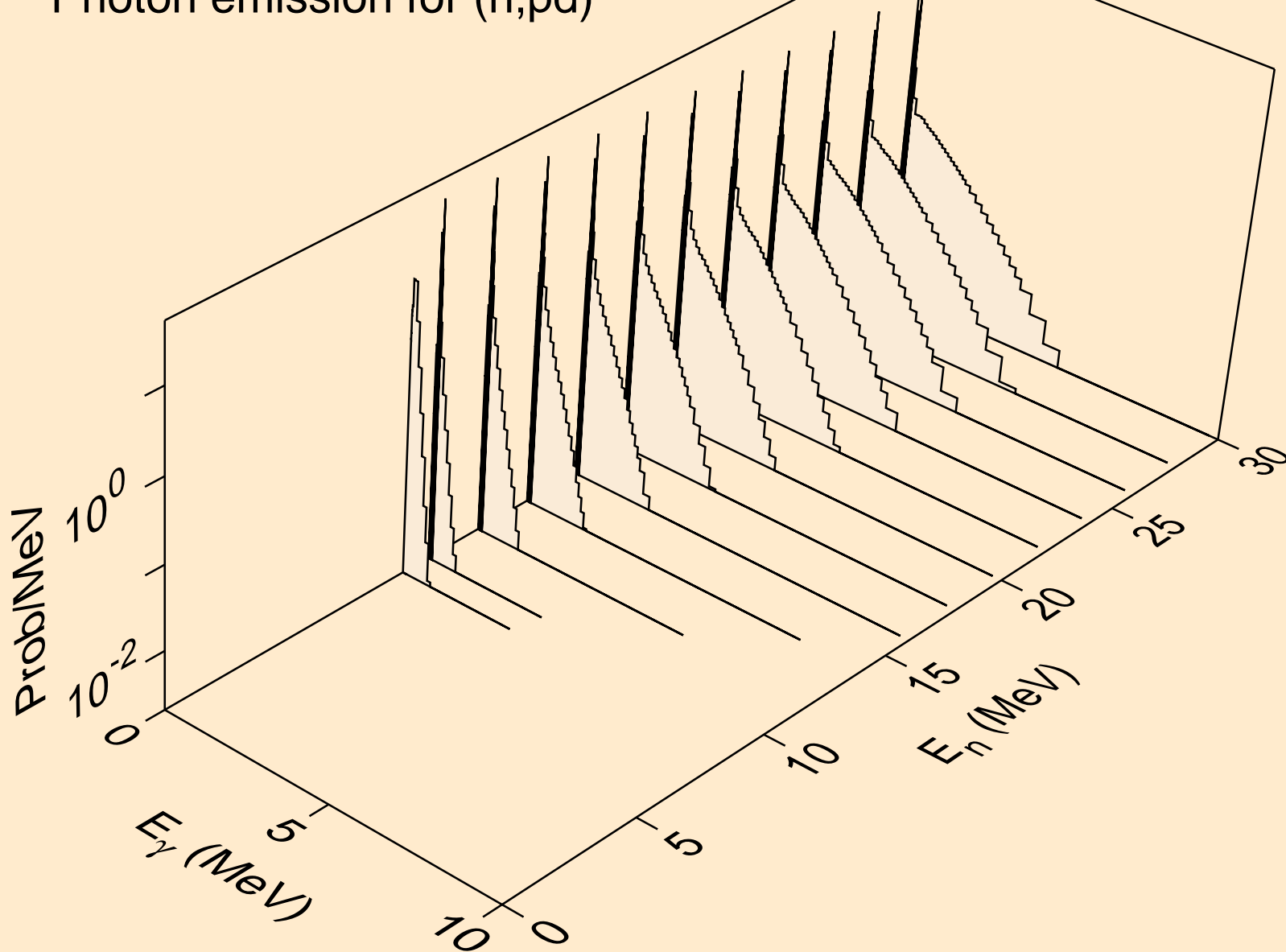
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



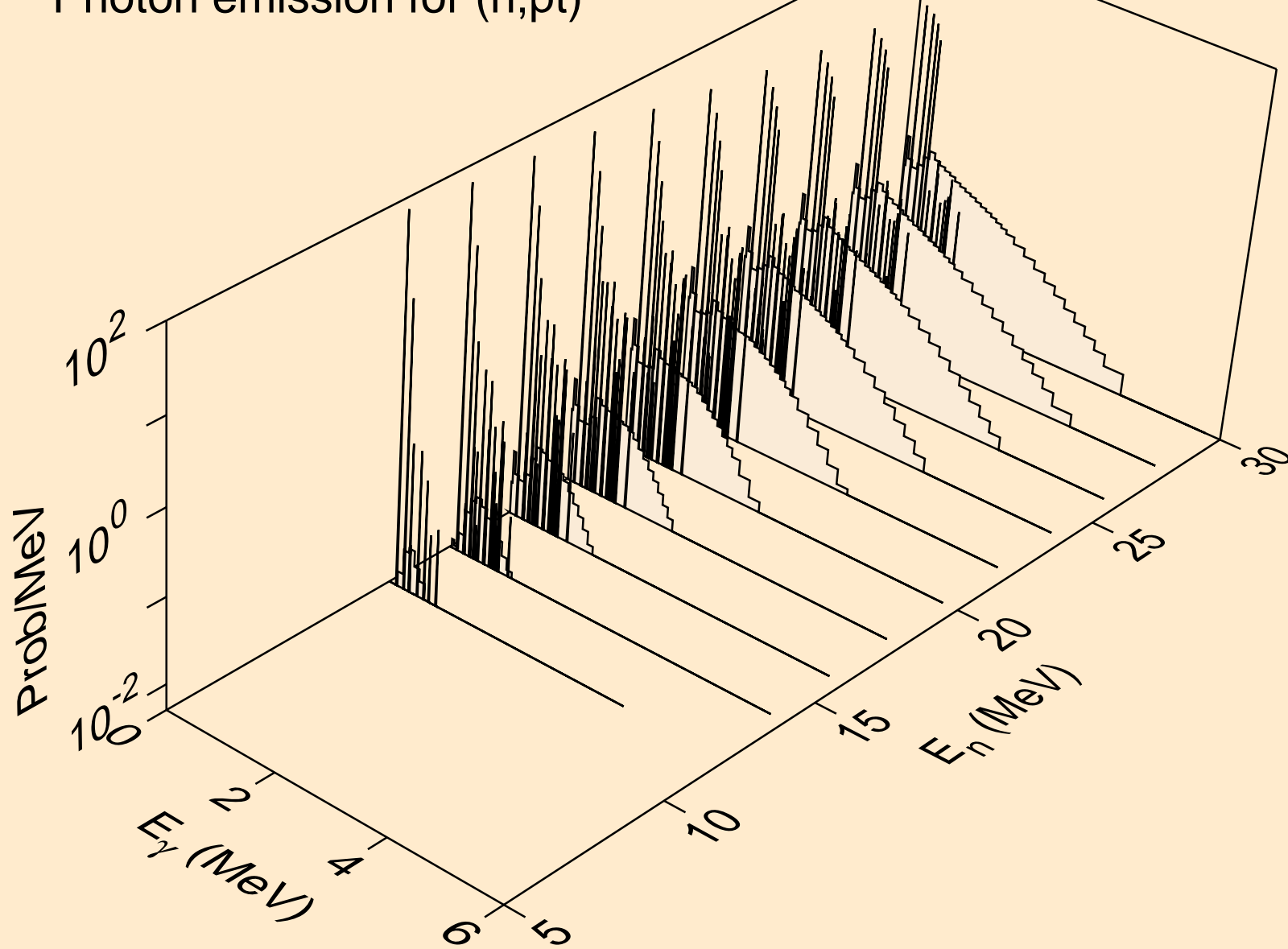
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



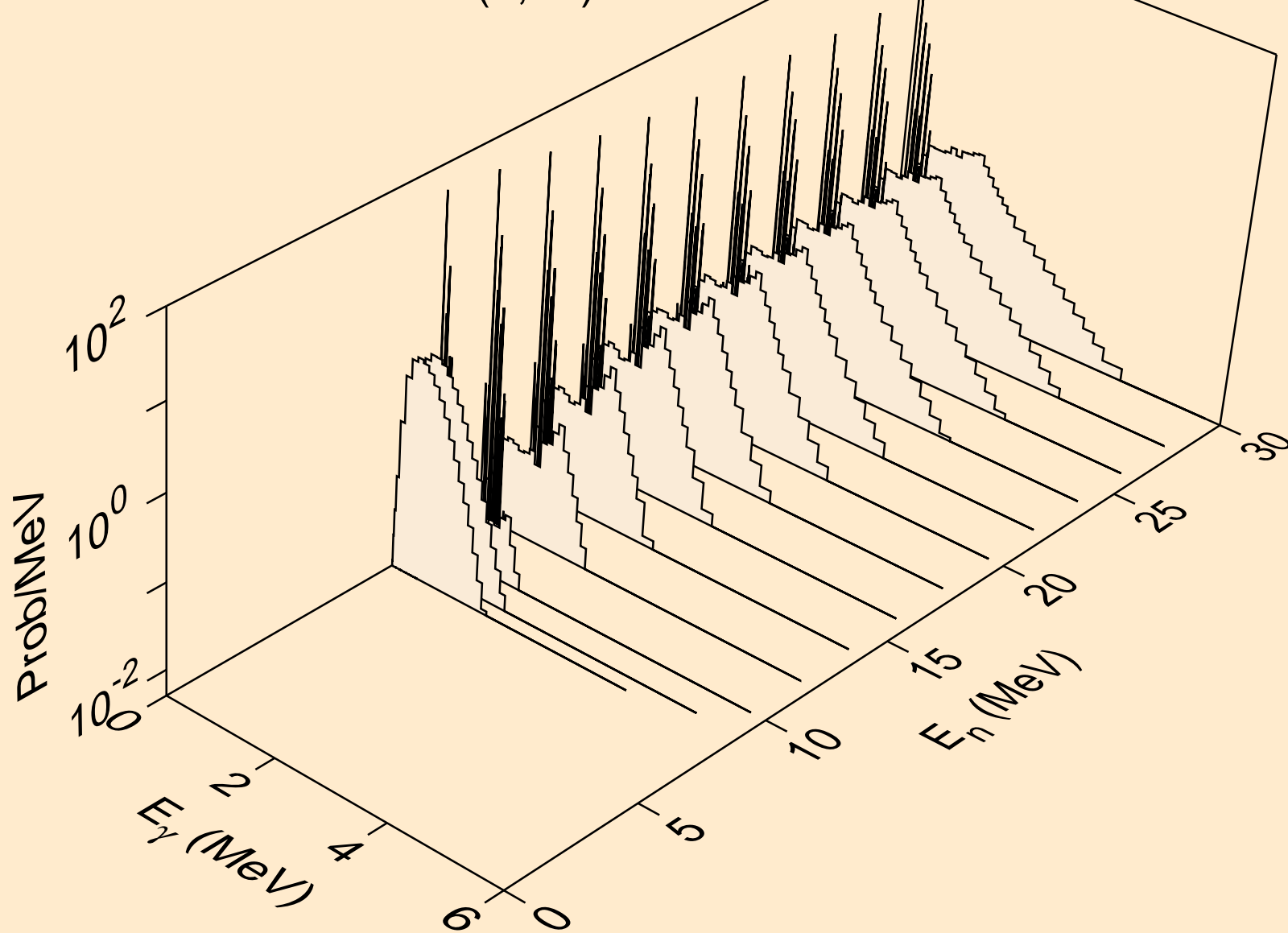
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



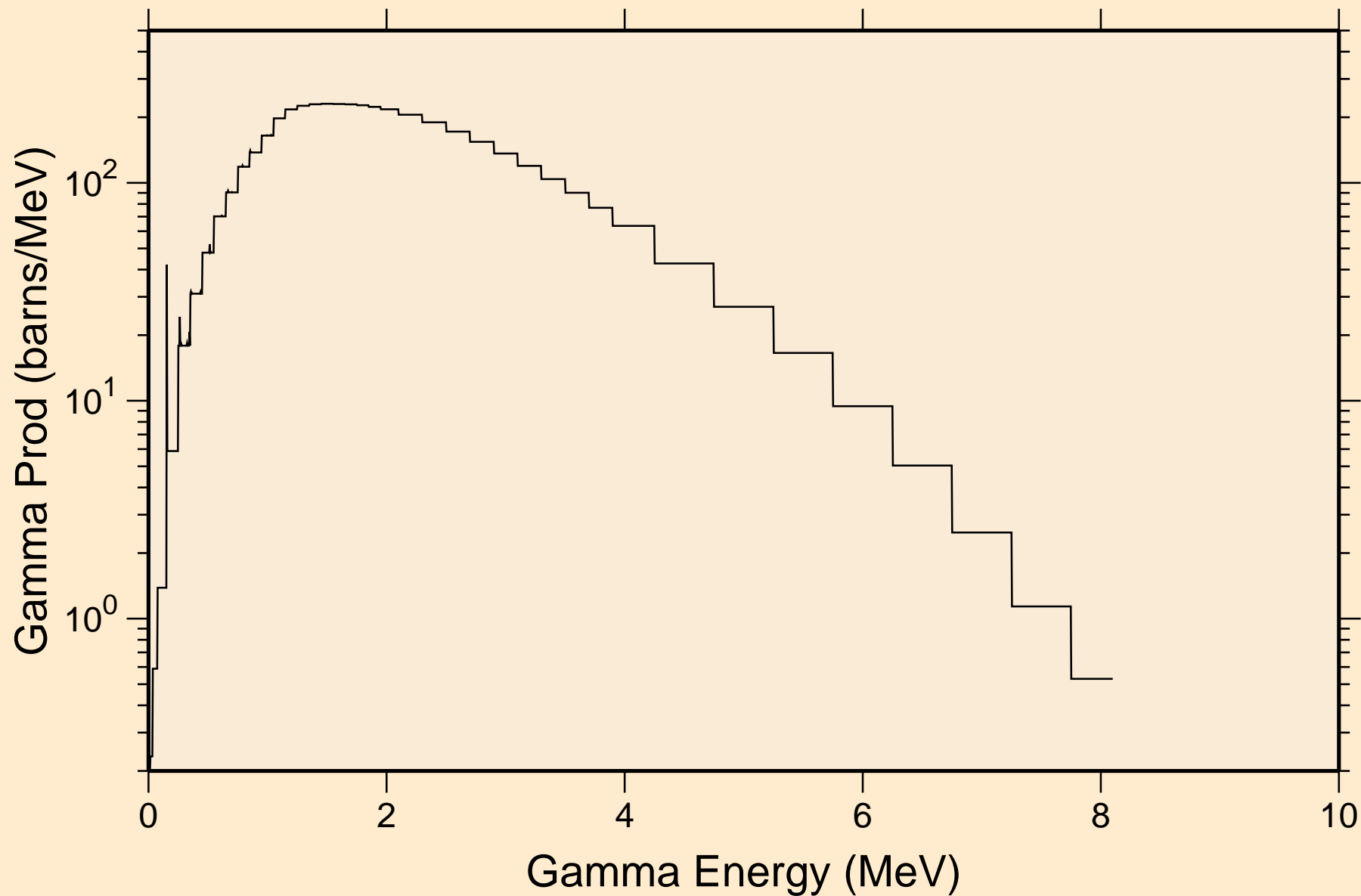
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



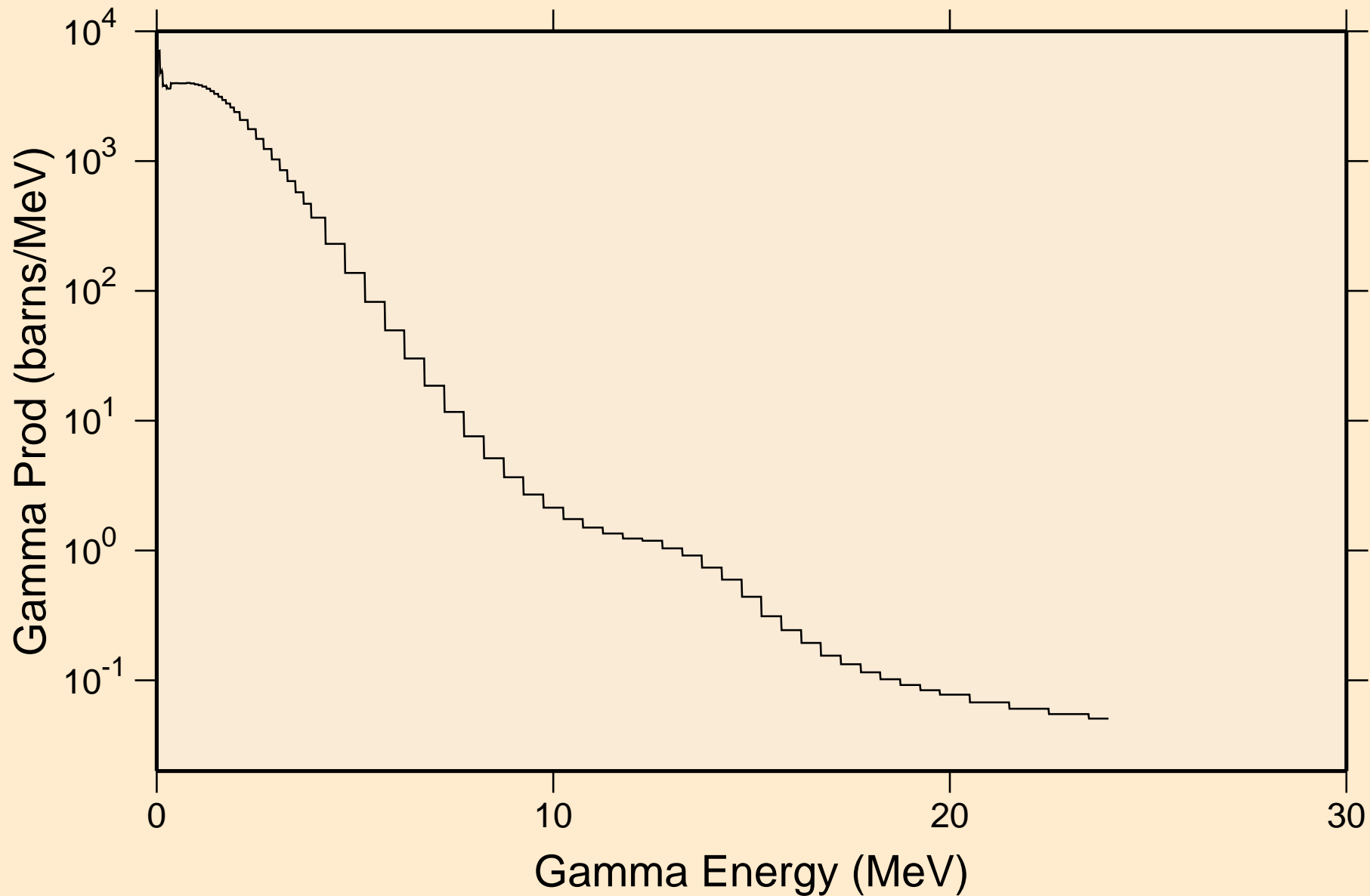
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



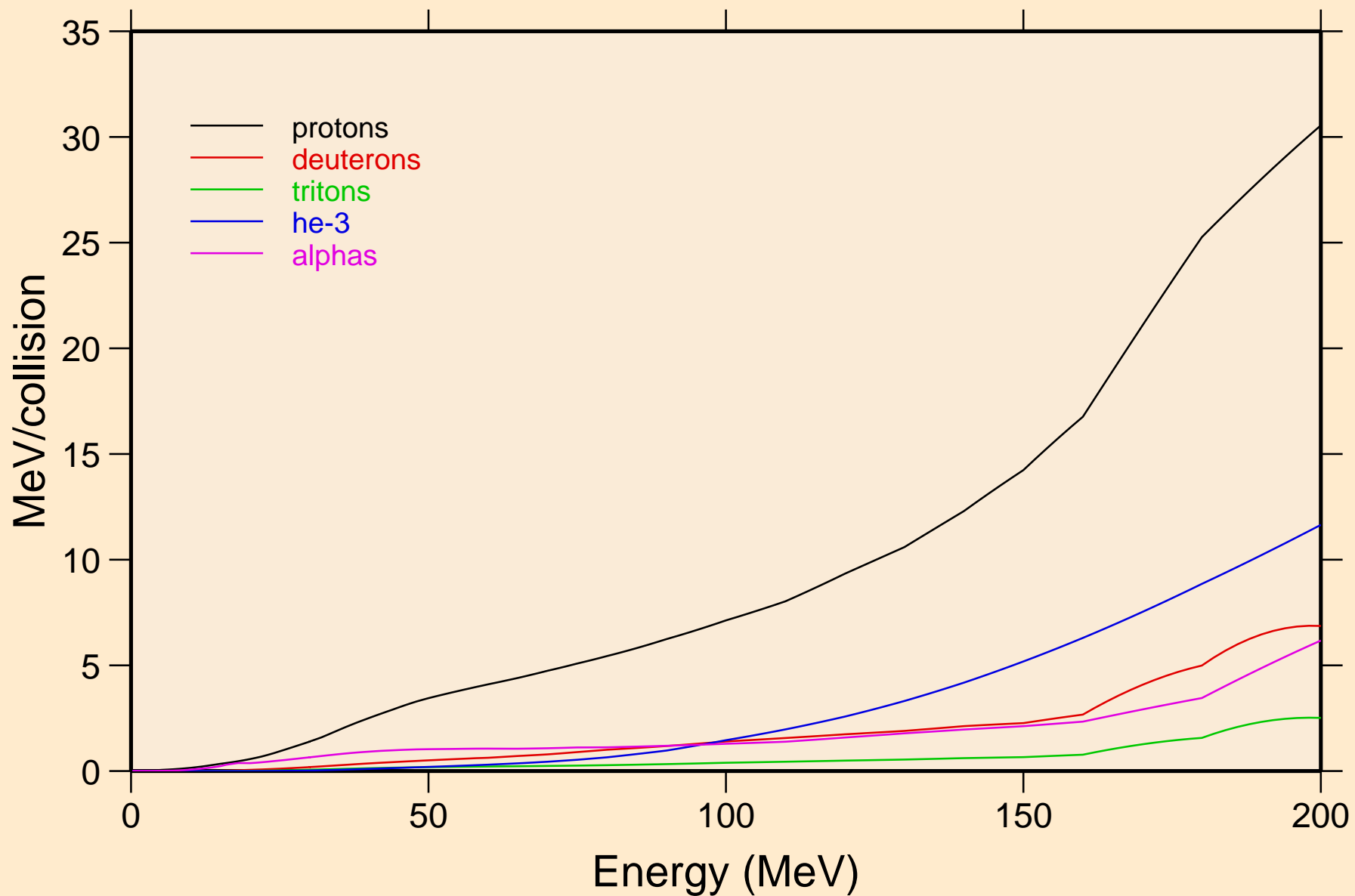
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum



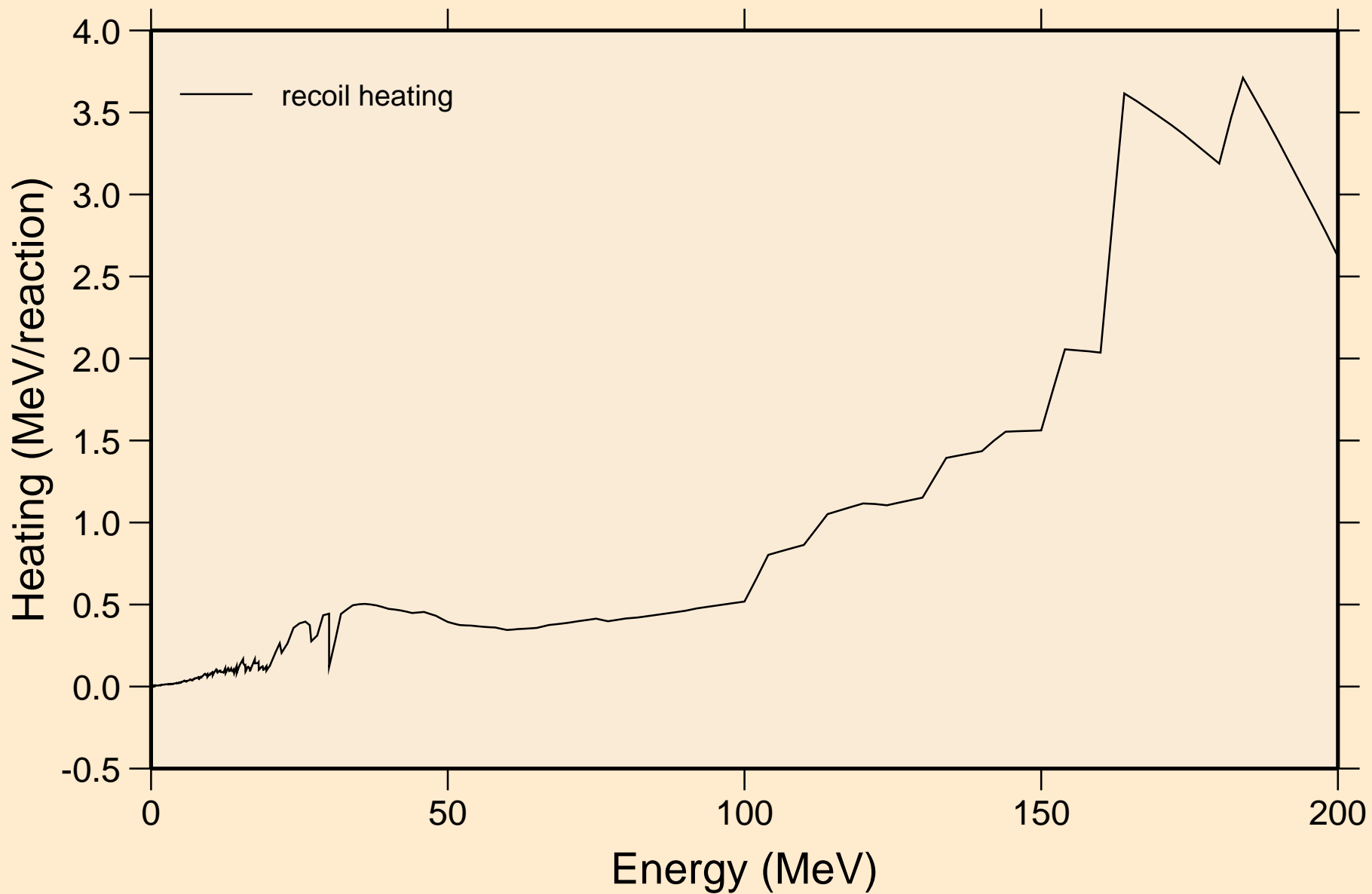
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



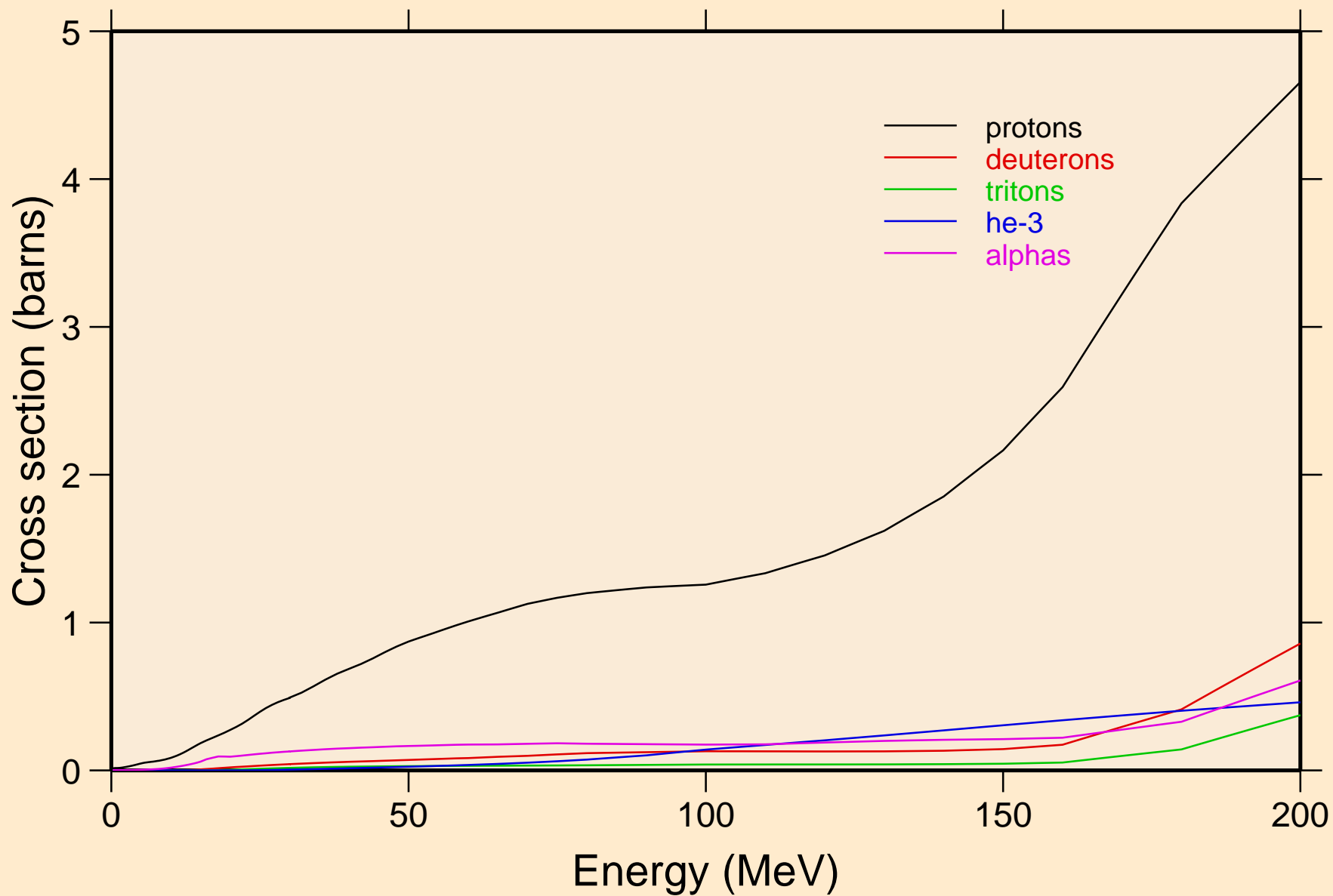
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle heating contributions



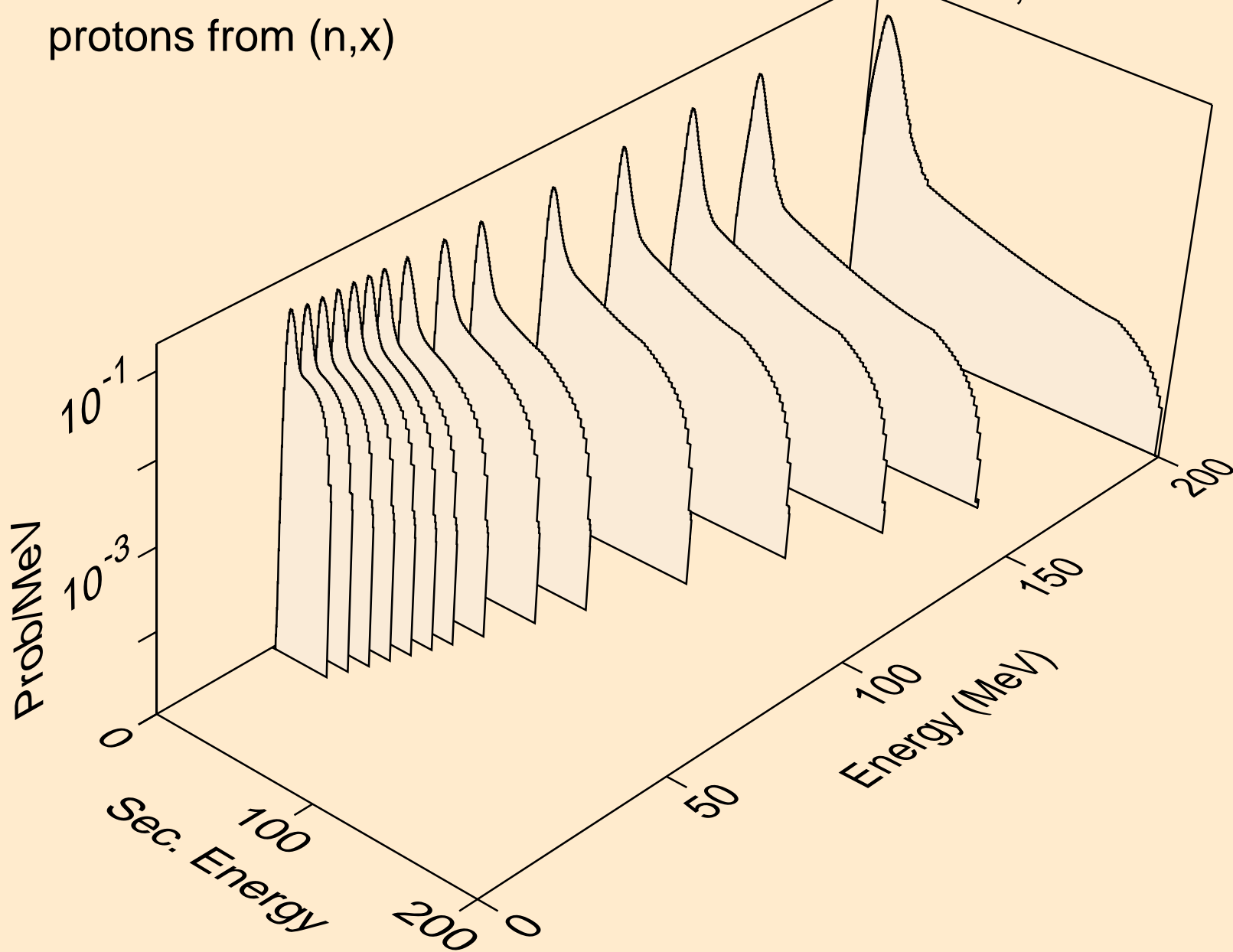
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



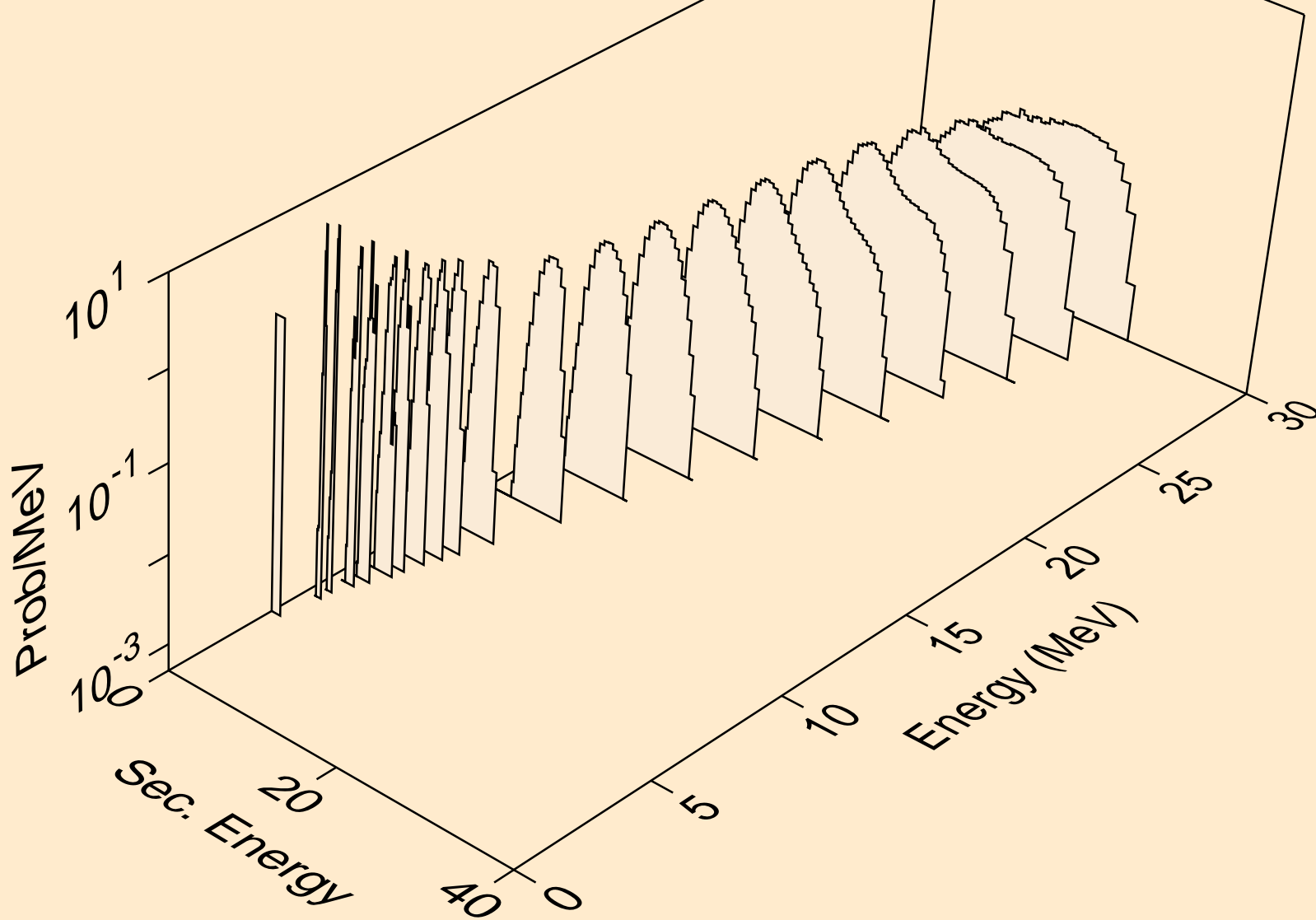
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



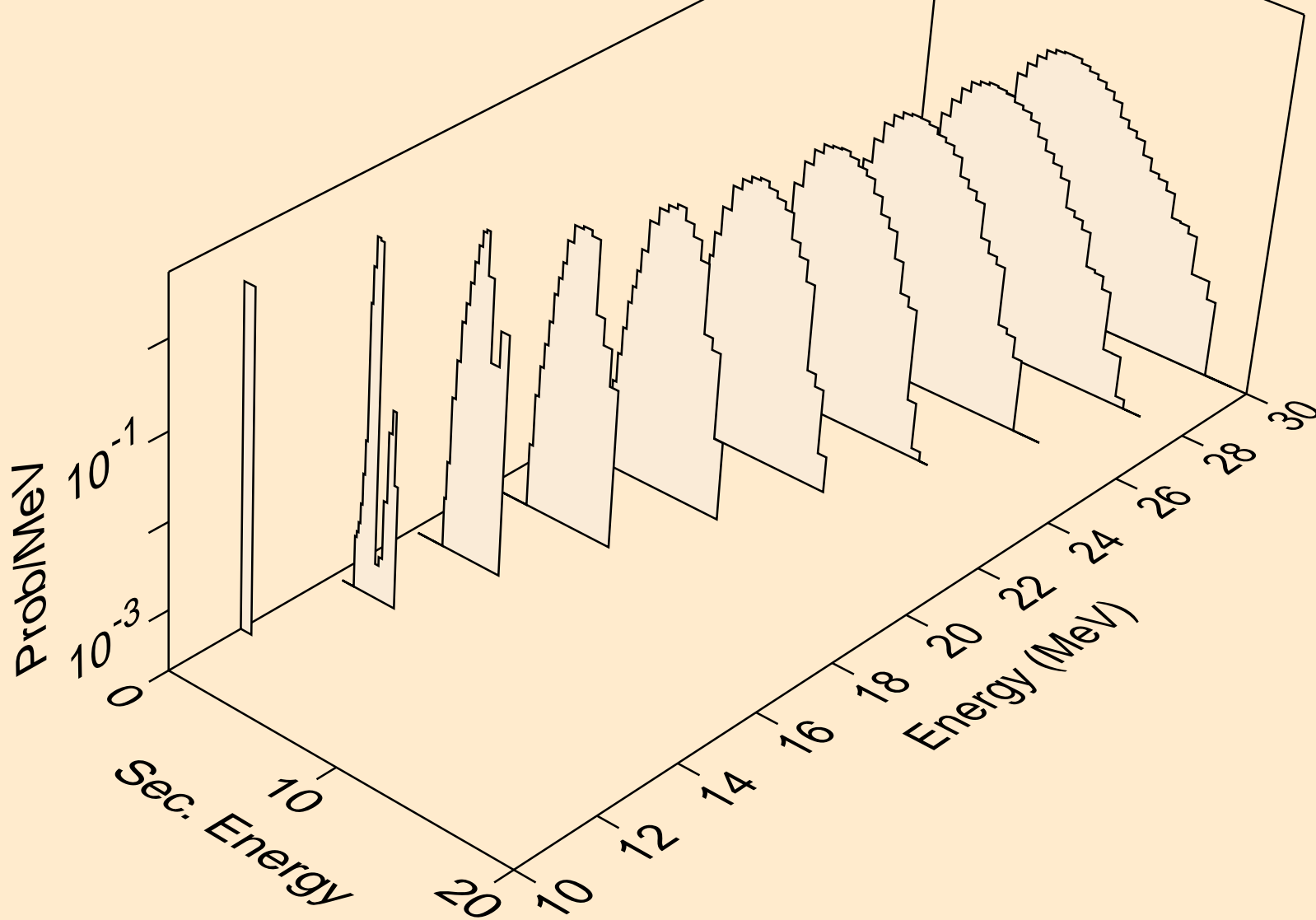
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



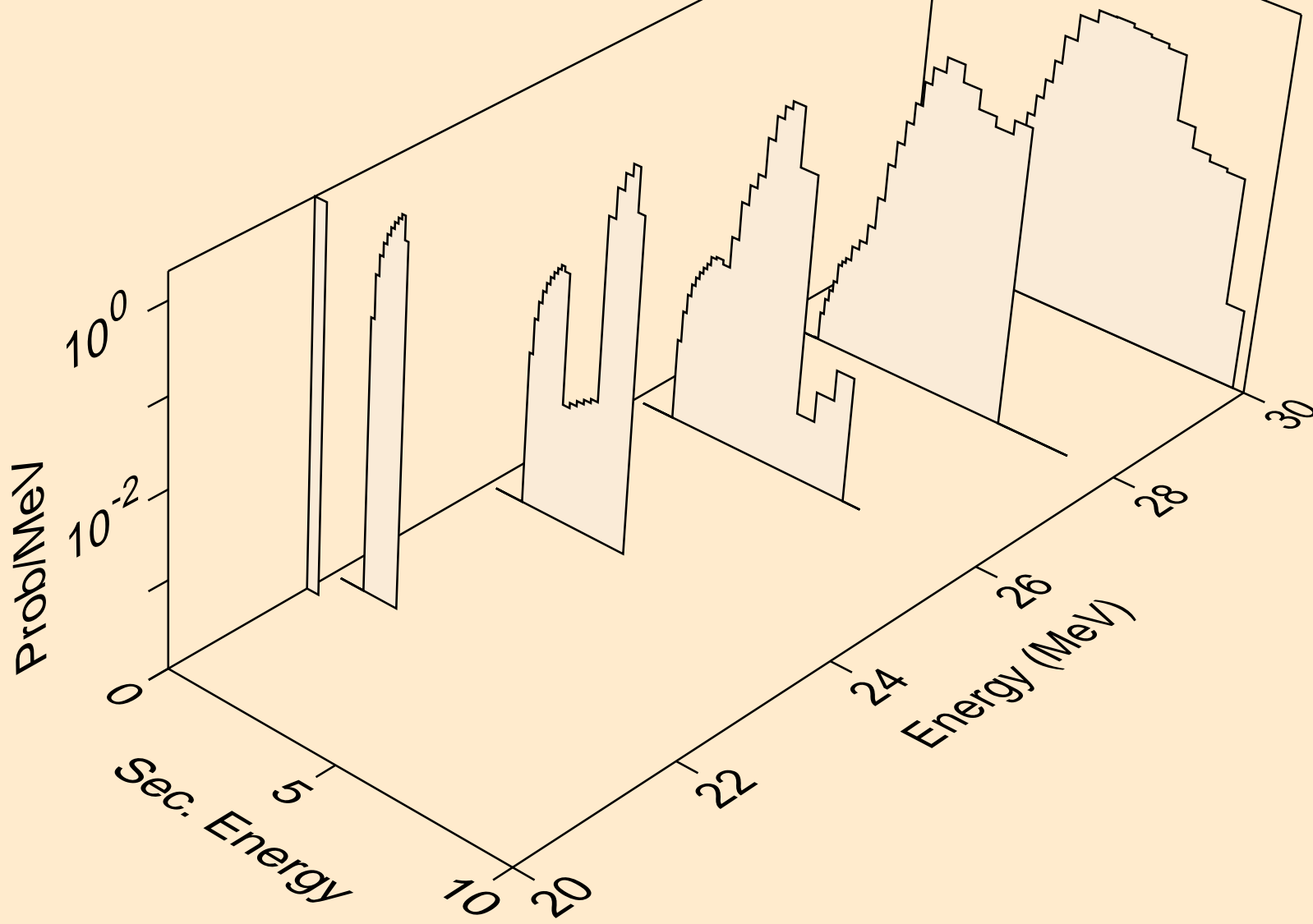
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



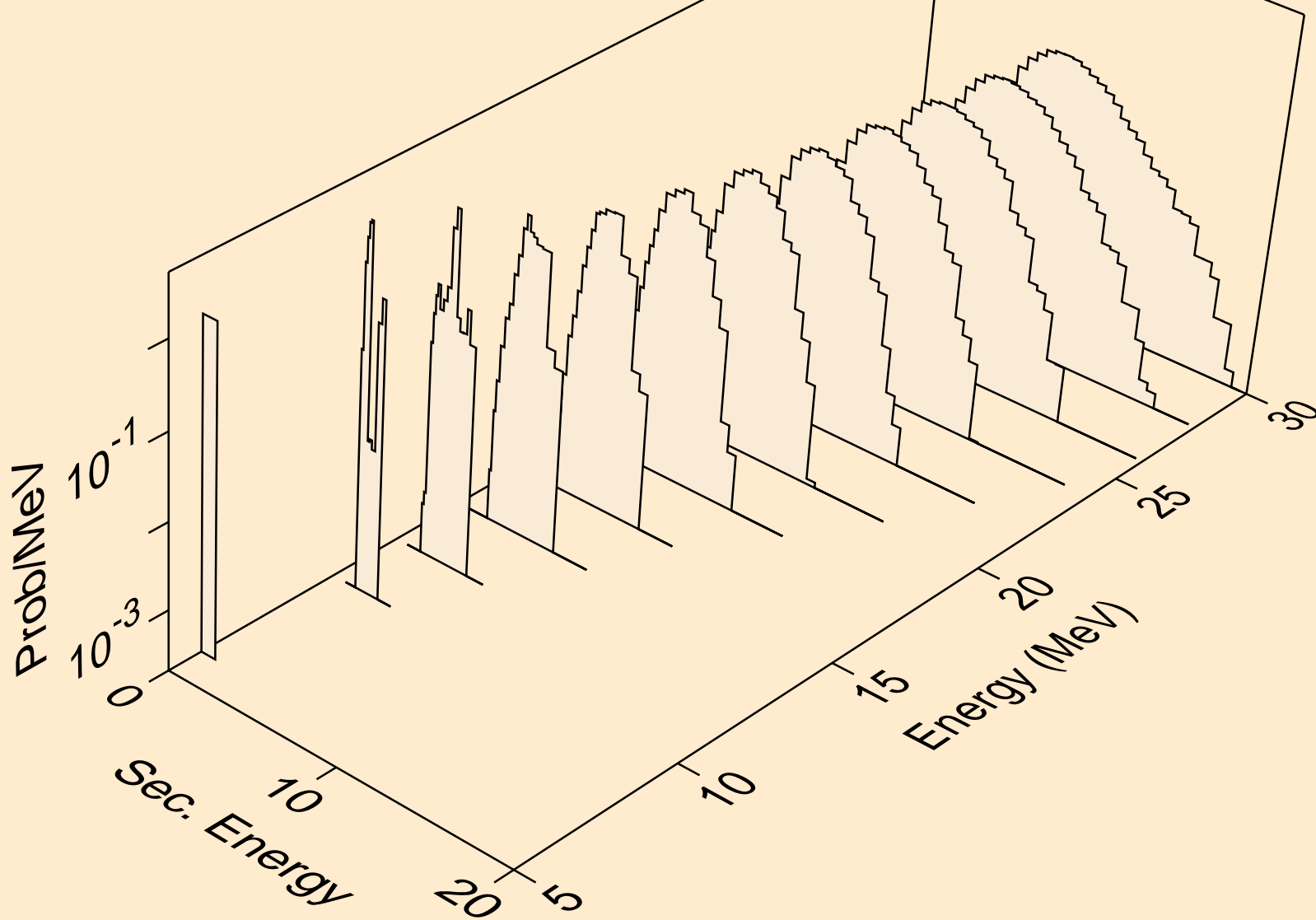
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



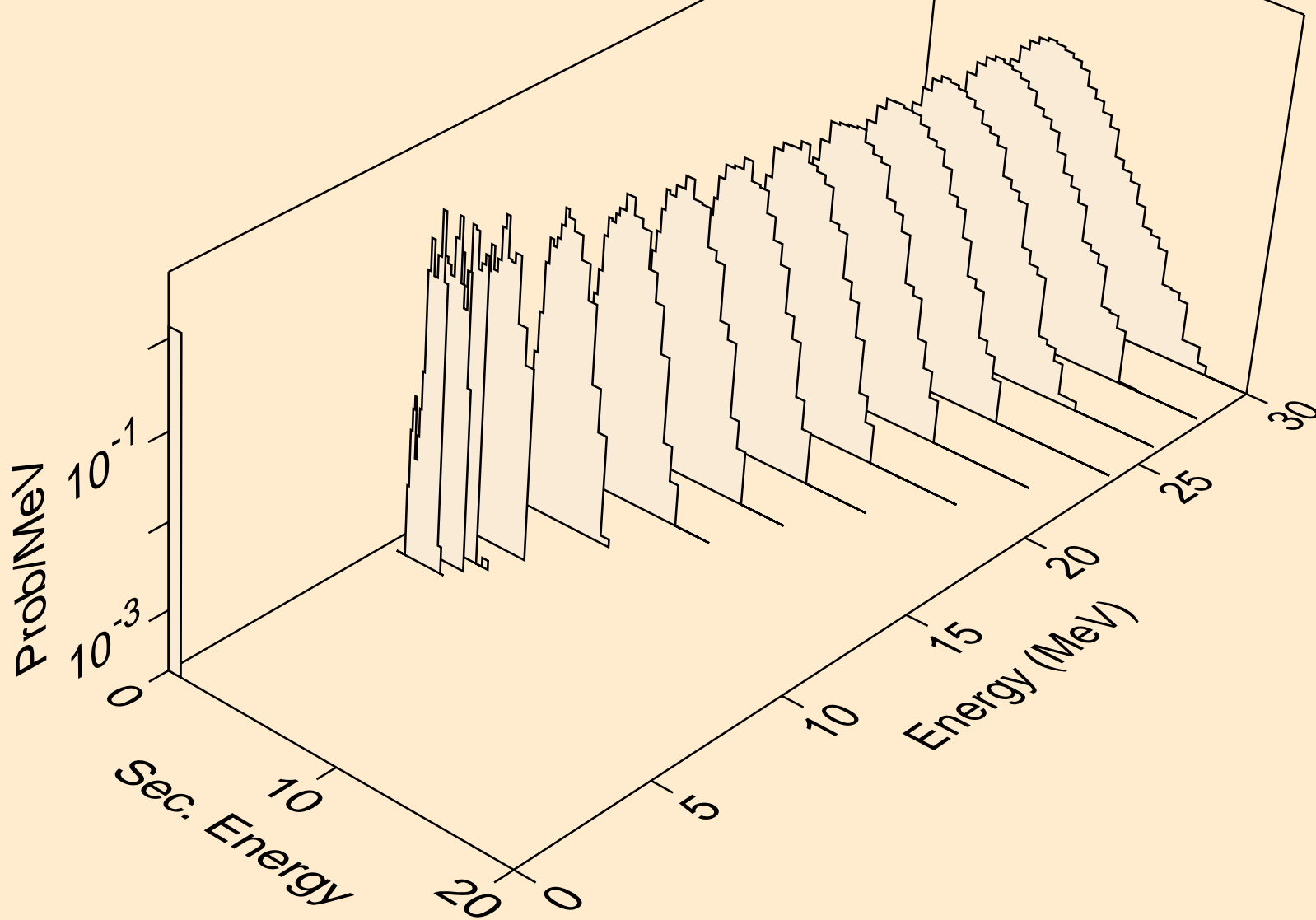
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protons from (n,3np)



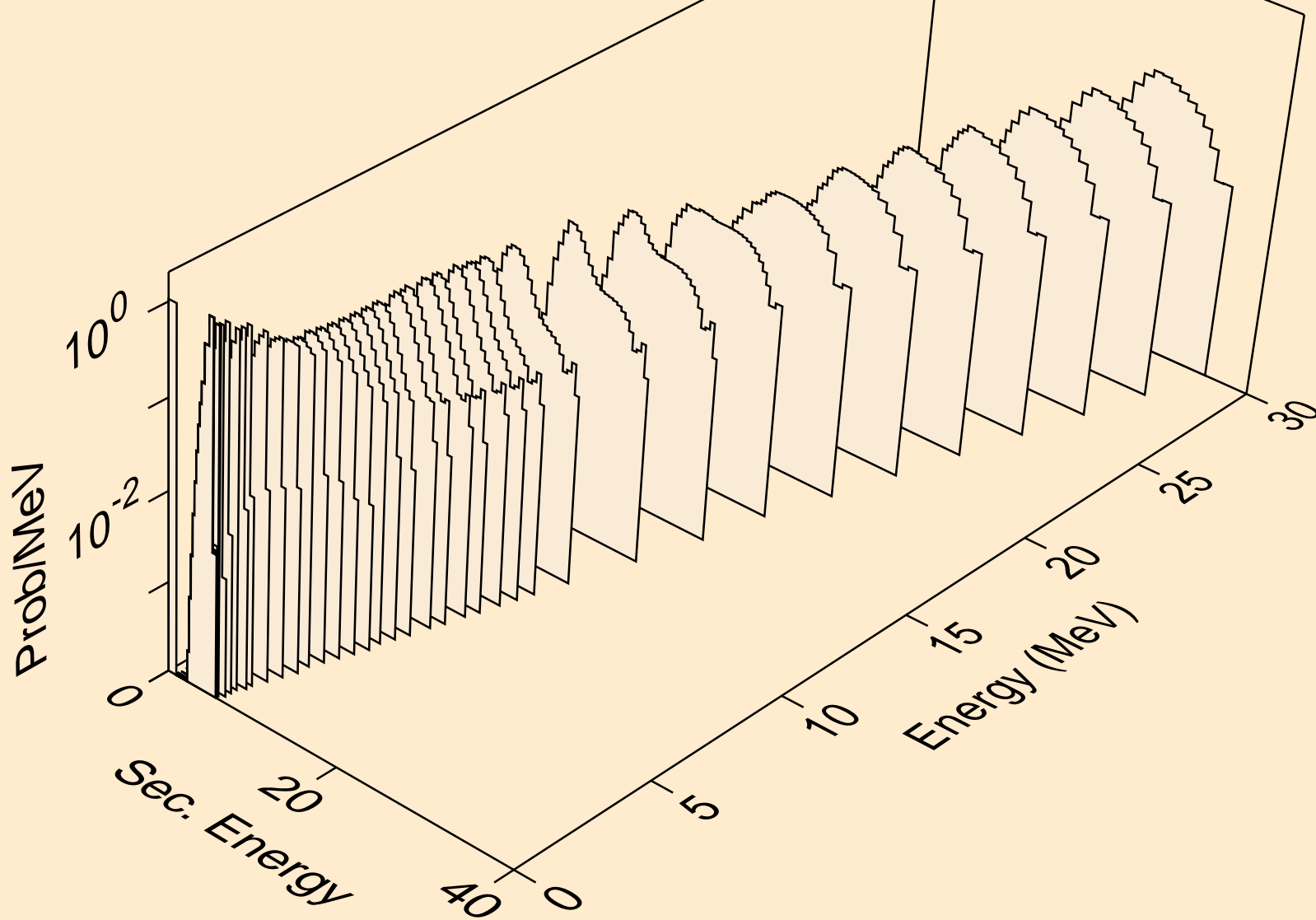
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



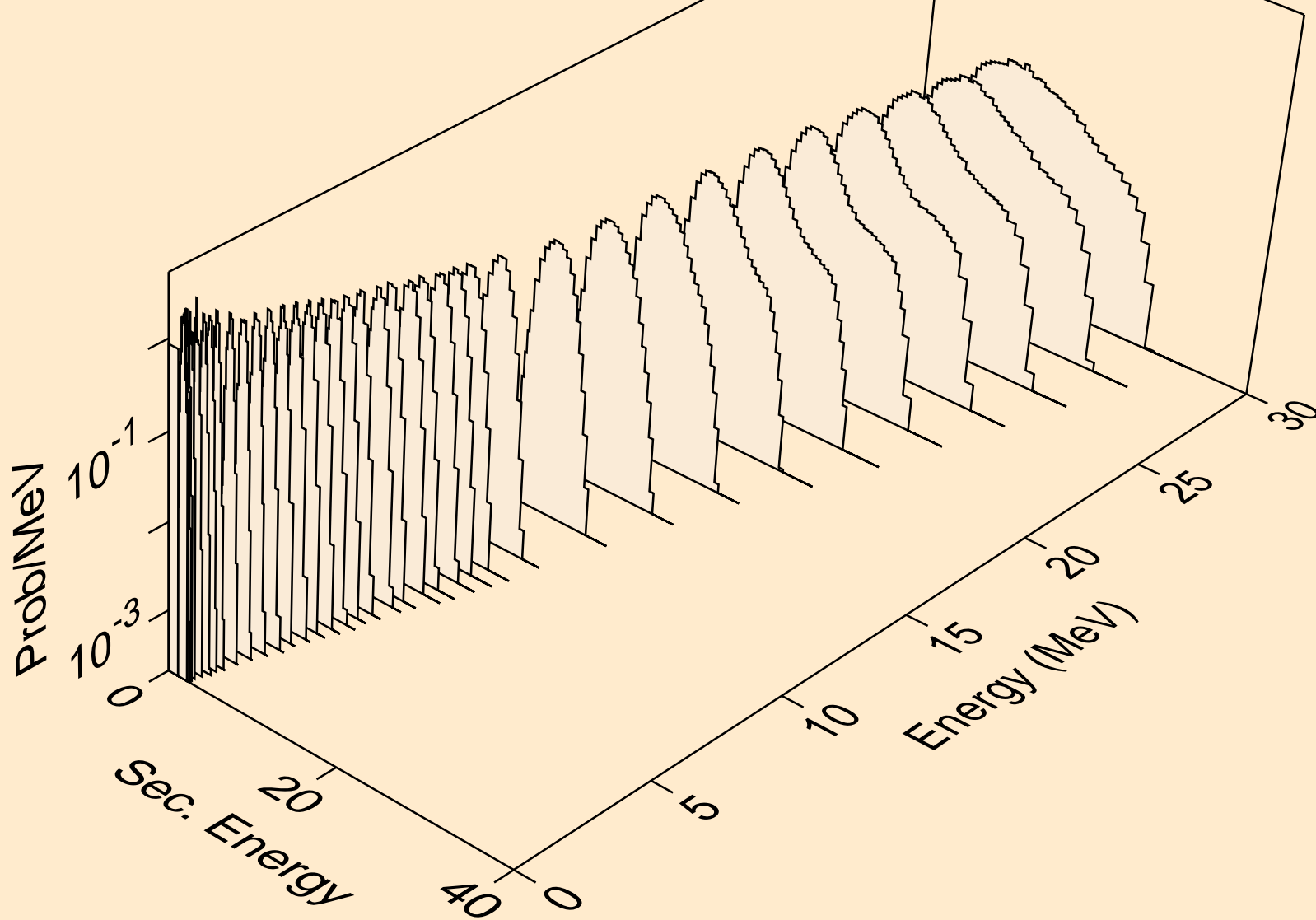
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



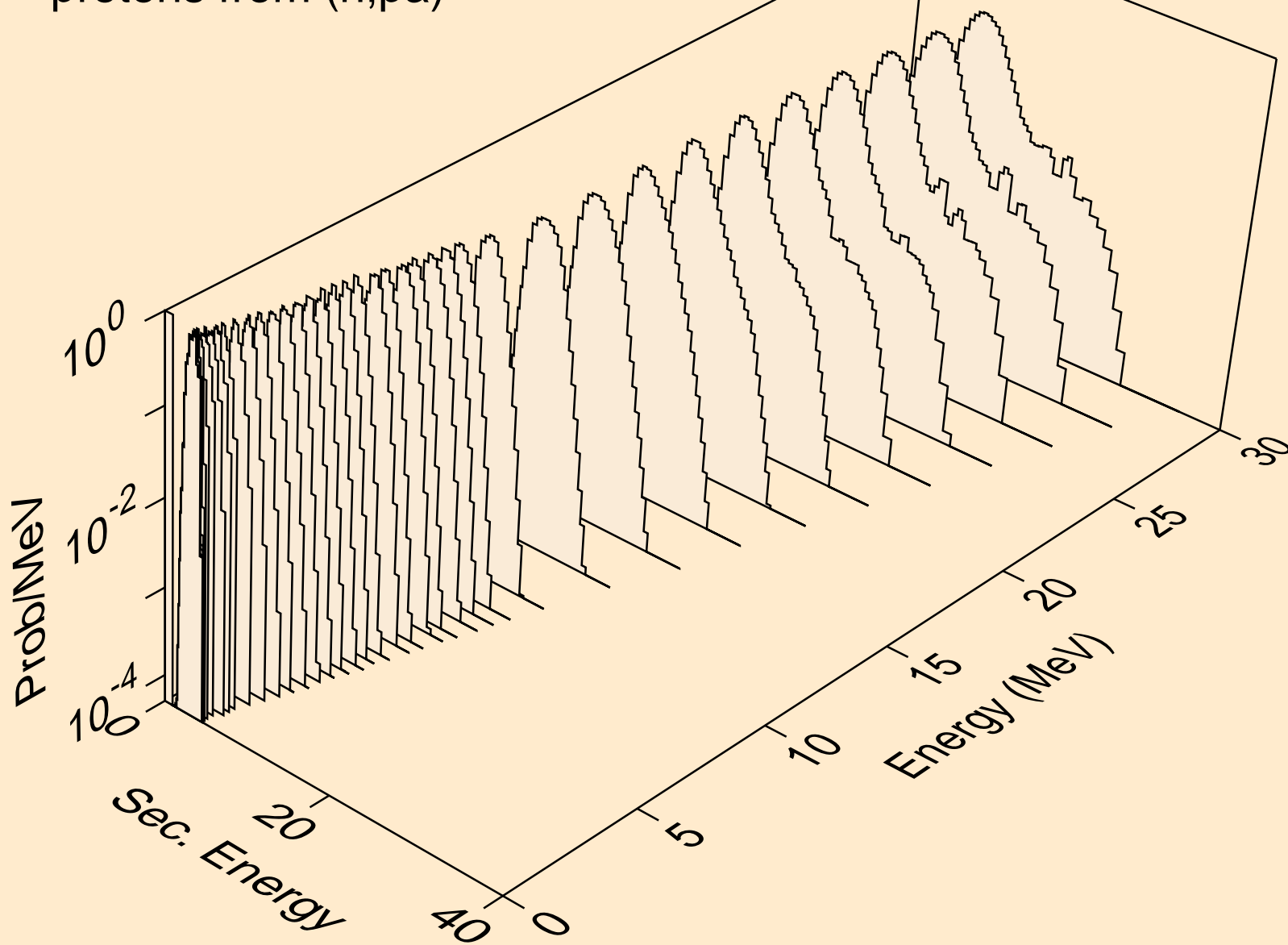
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



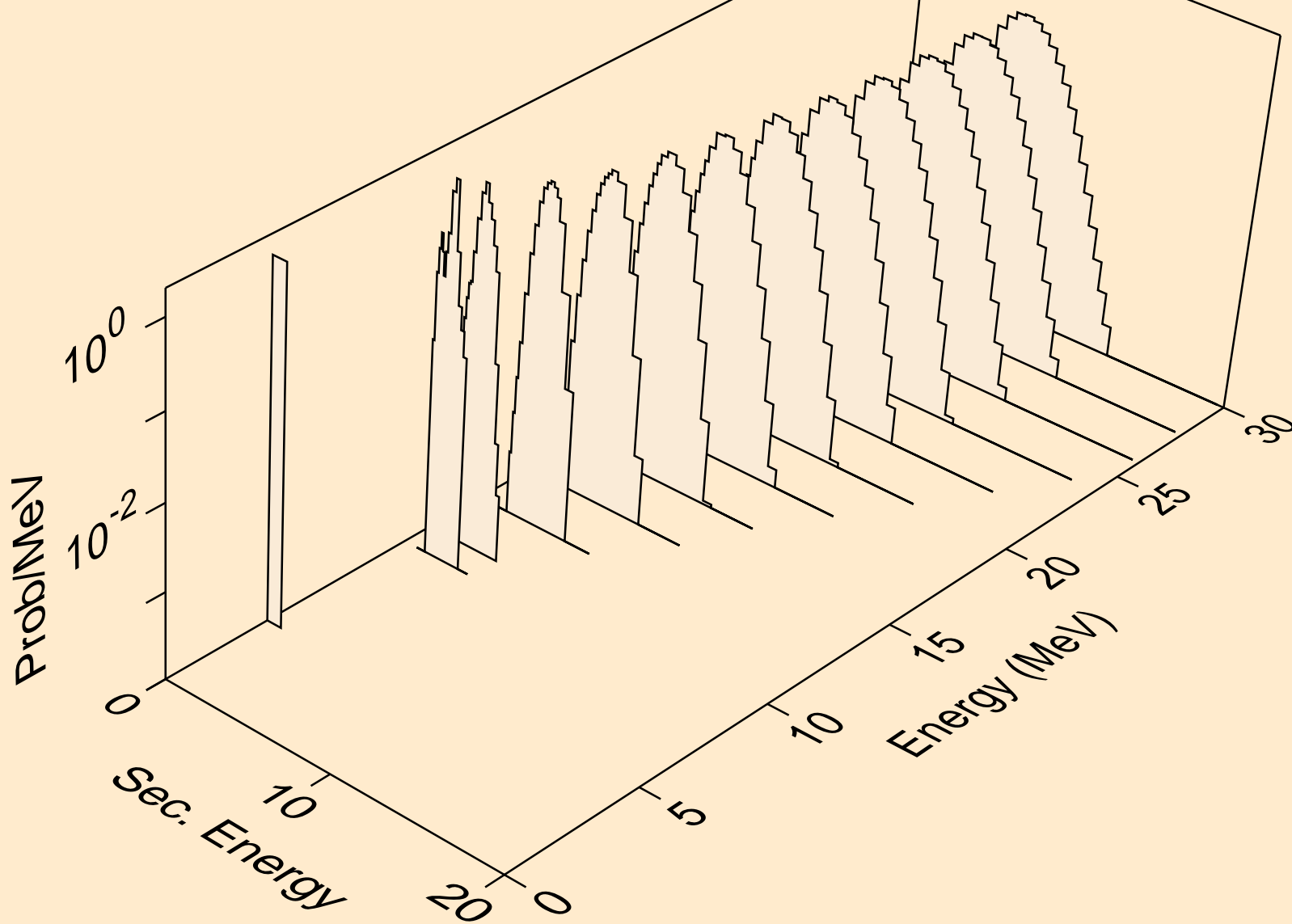
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



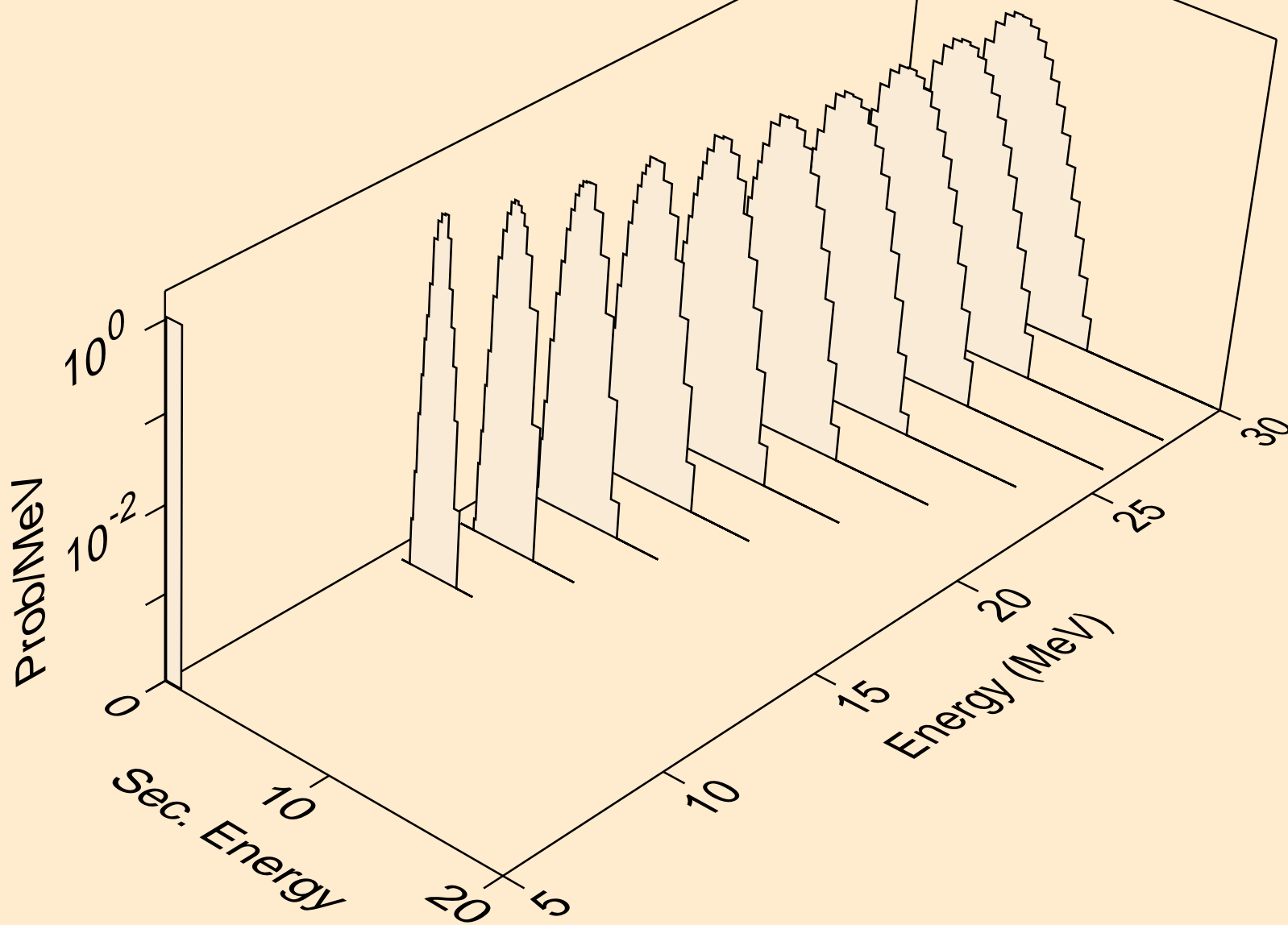
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



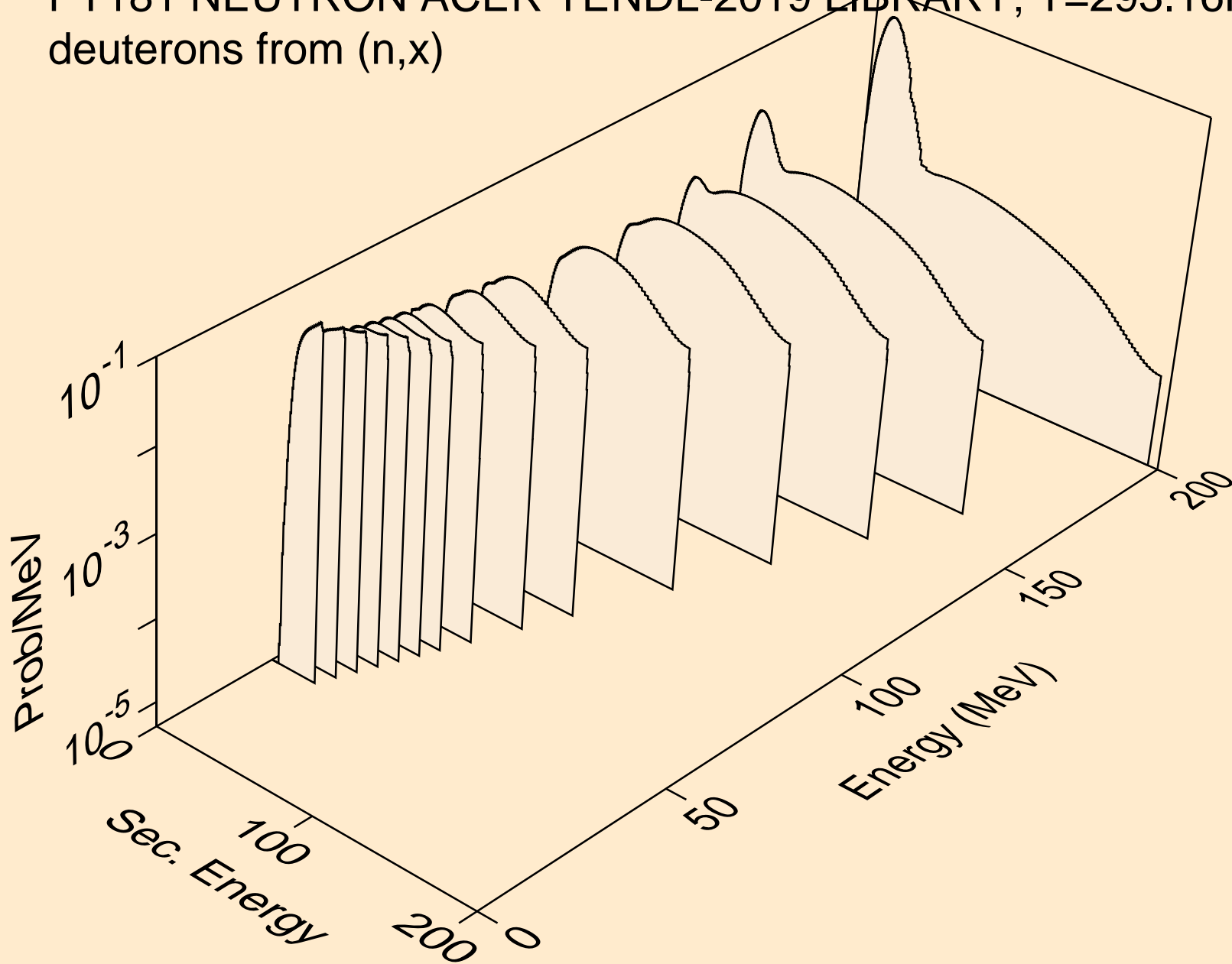
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



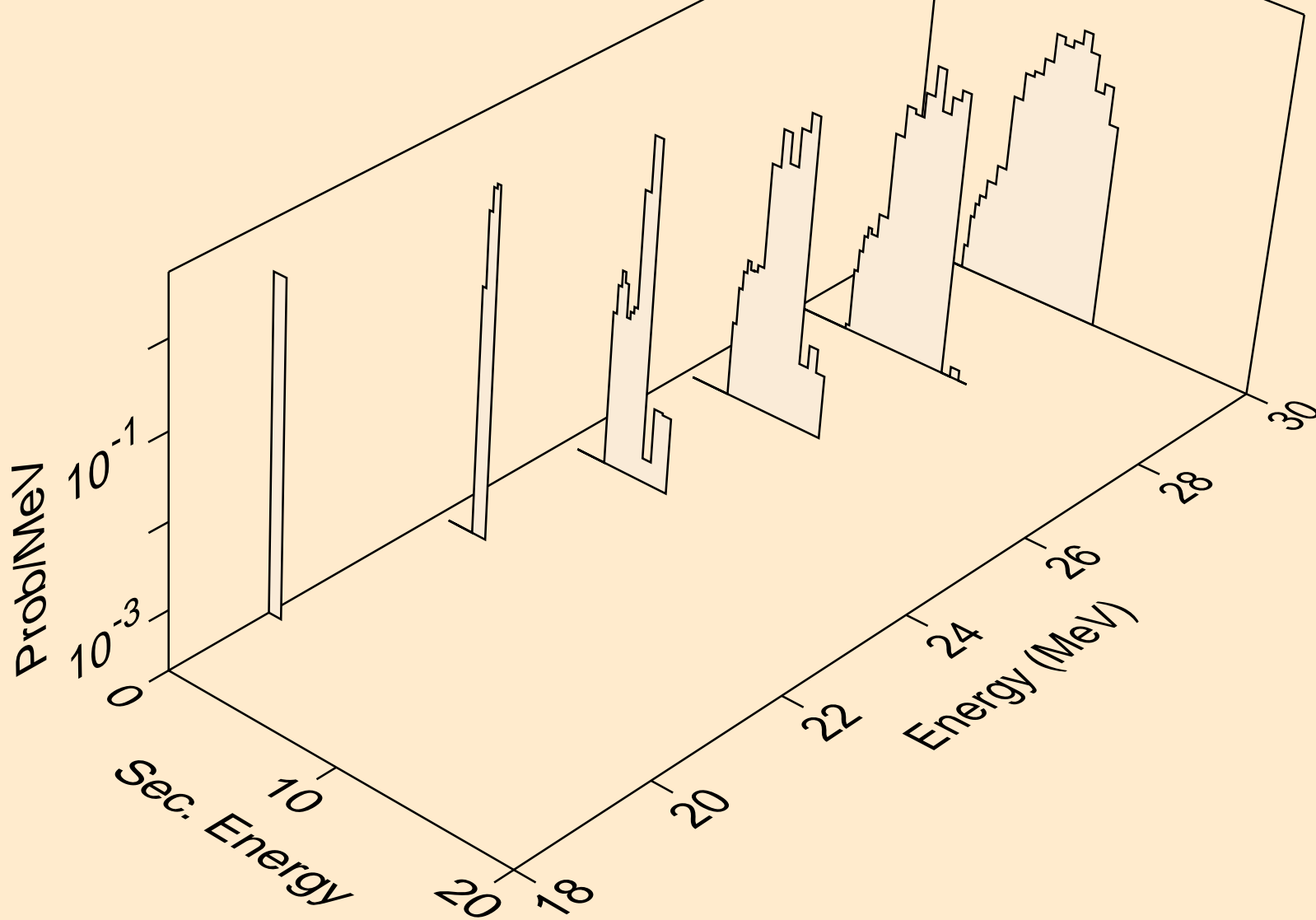
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



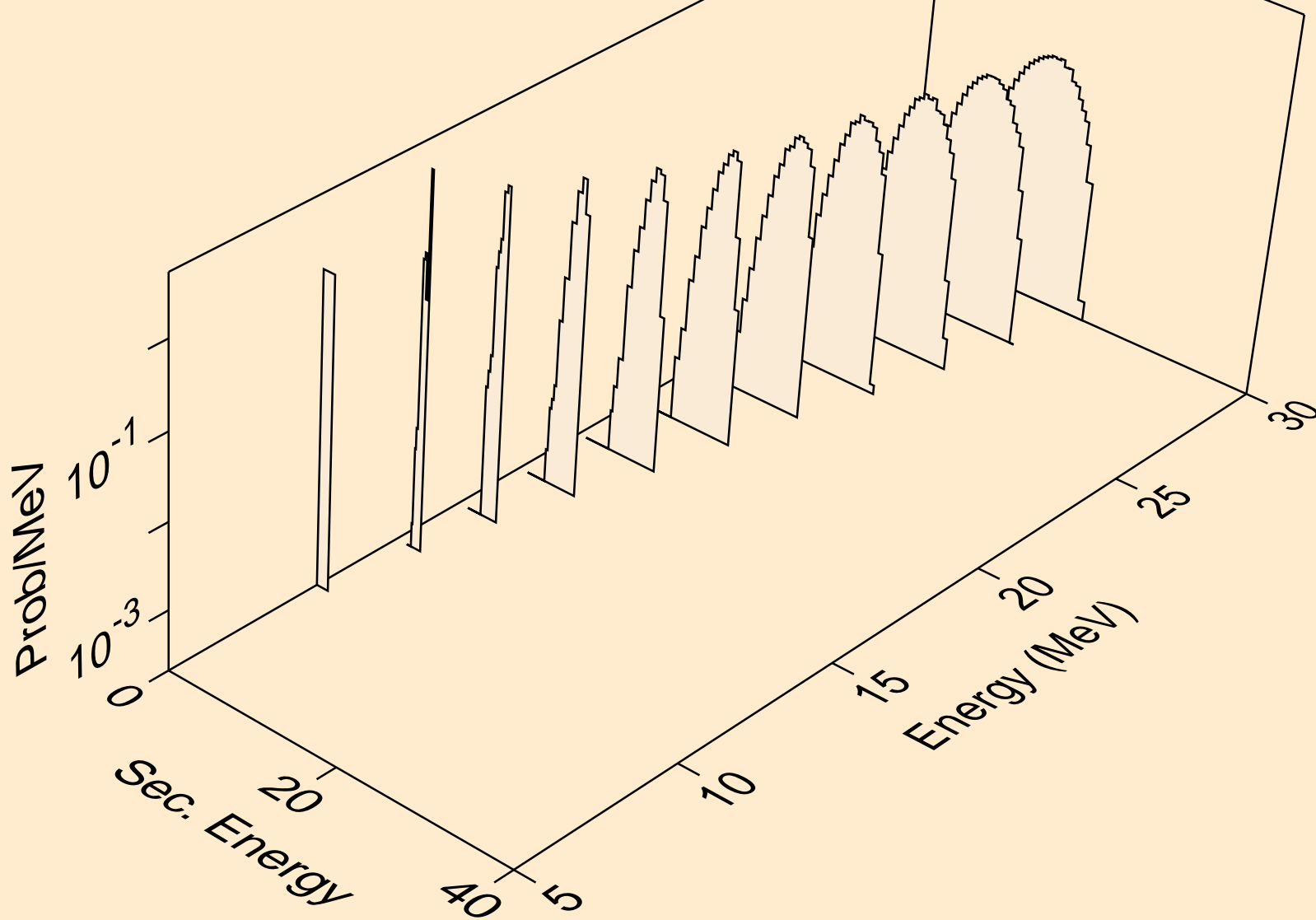
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



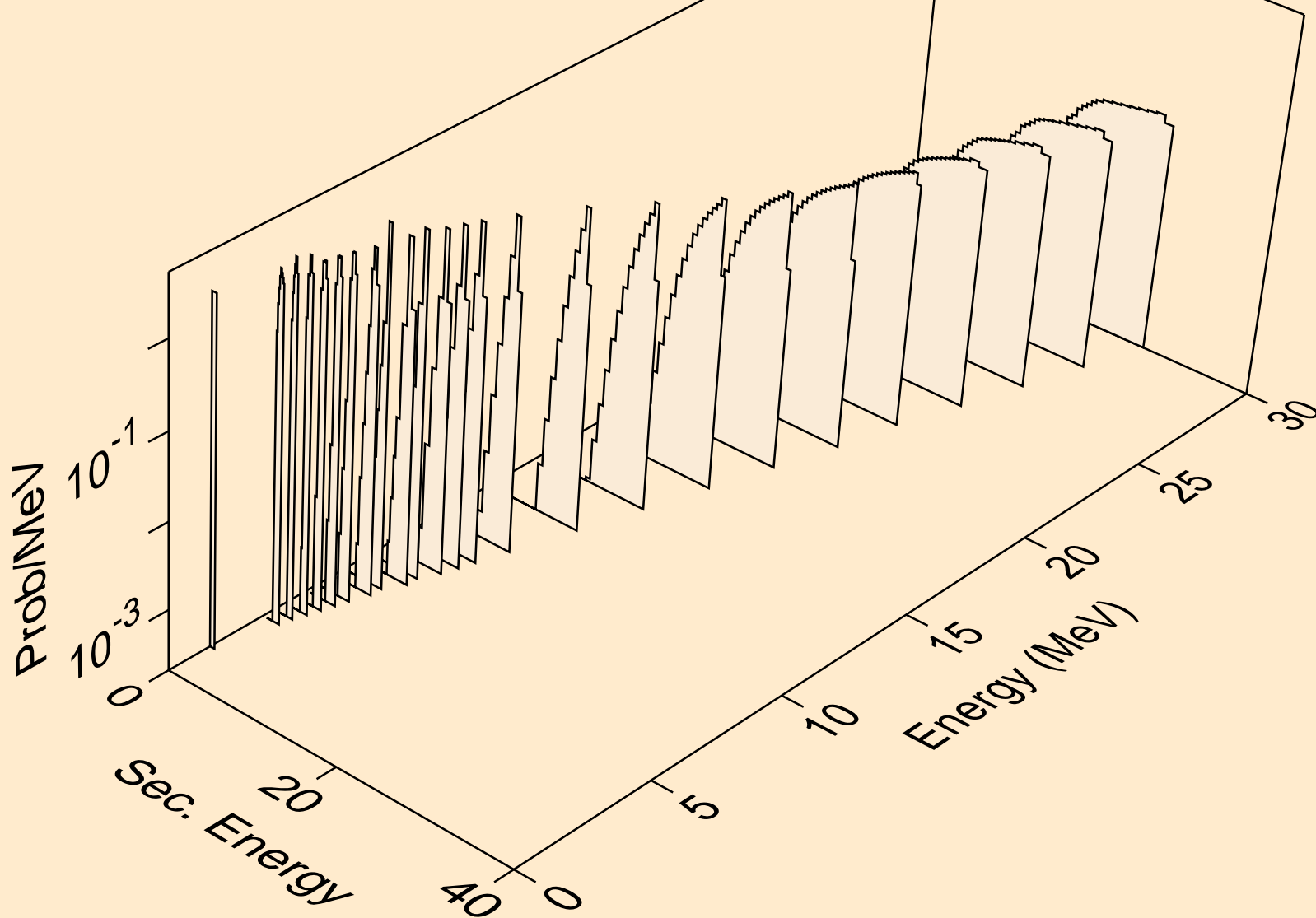
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



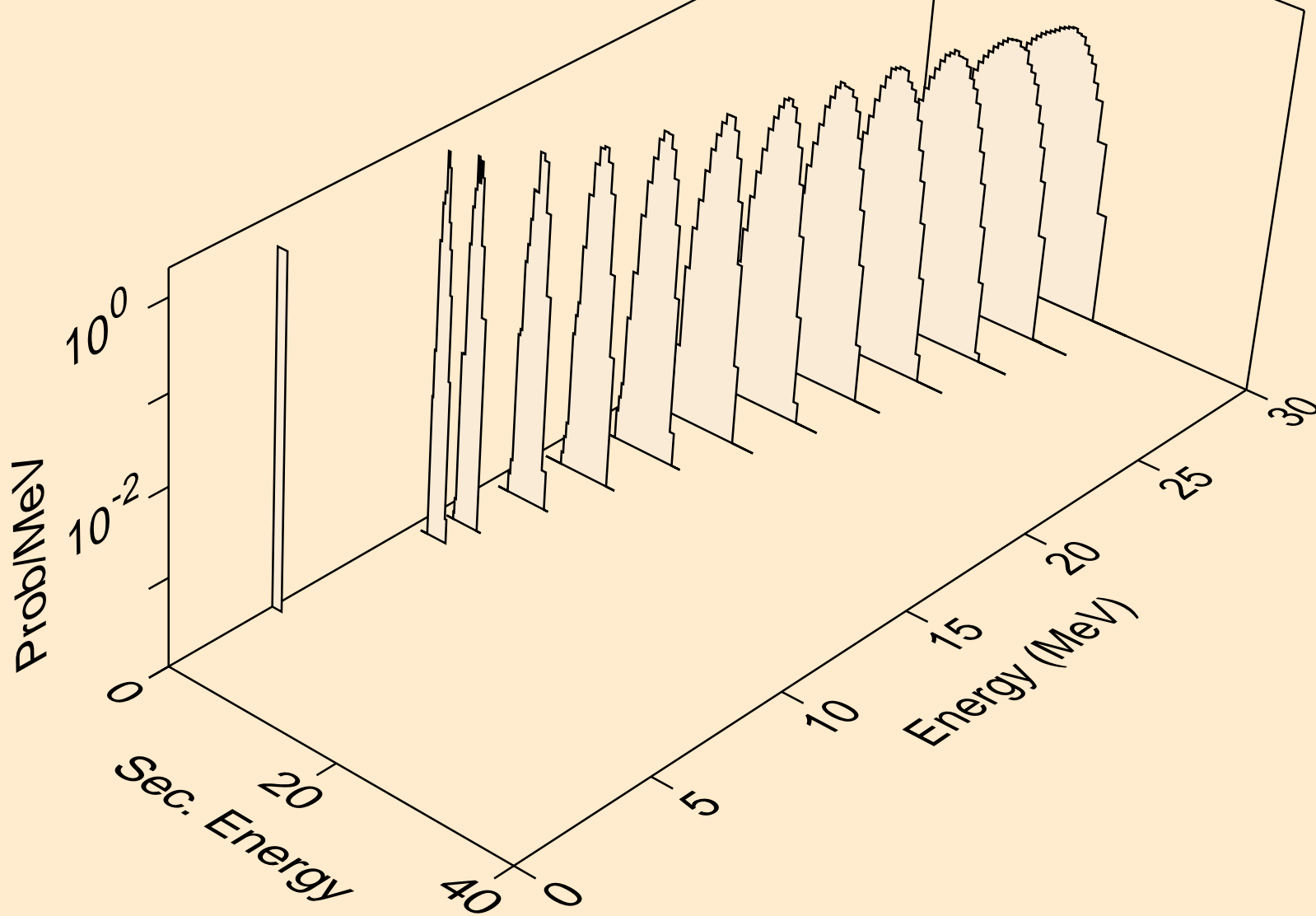
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



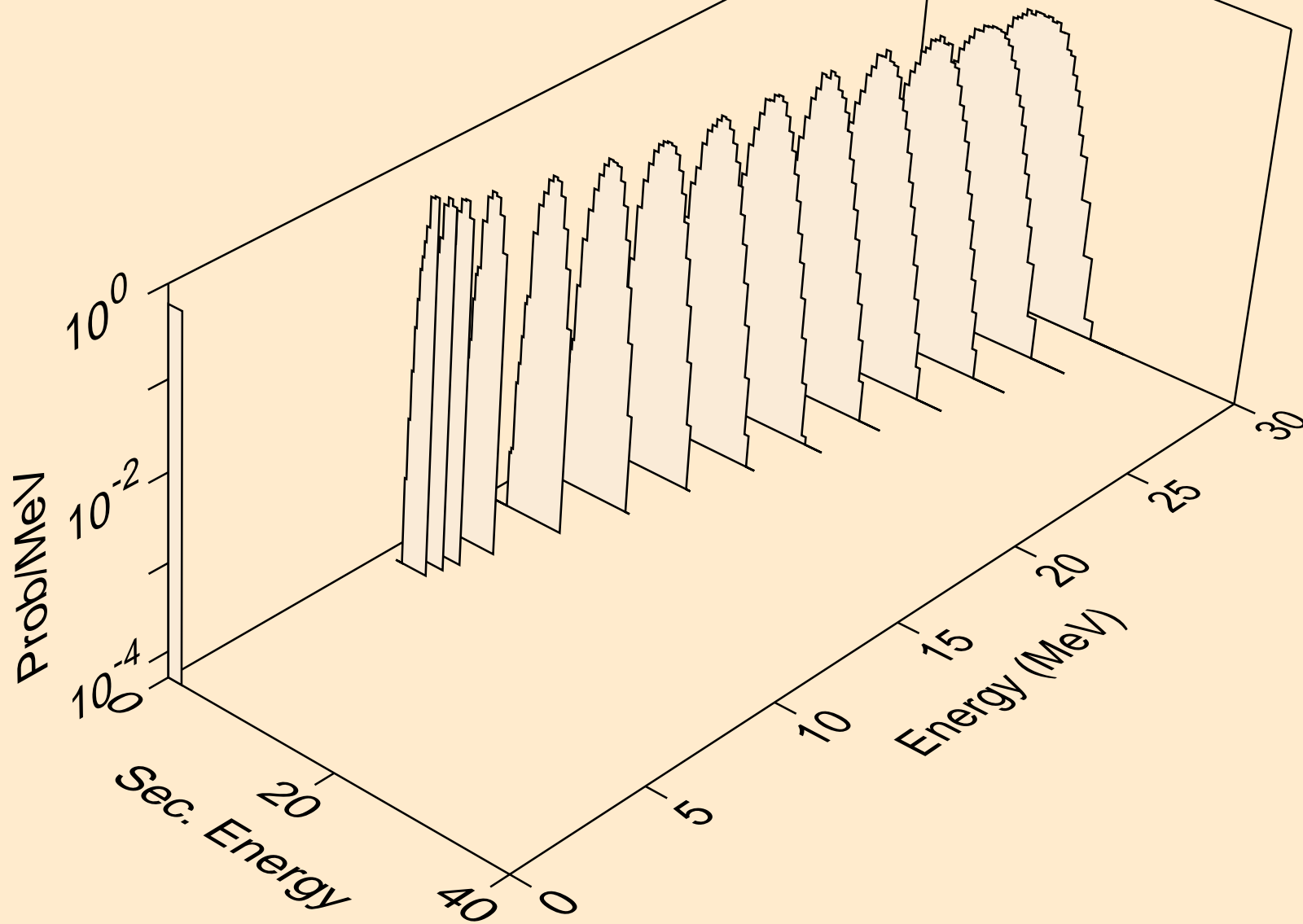
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



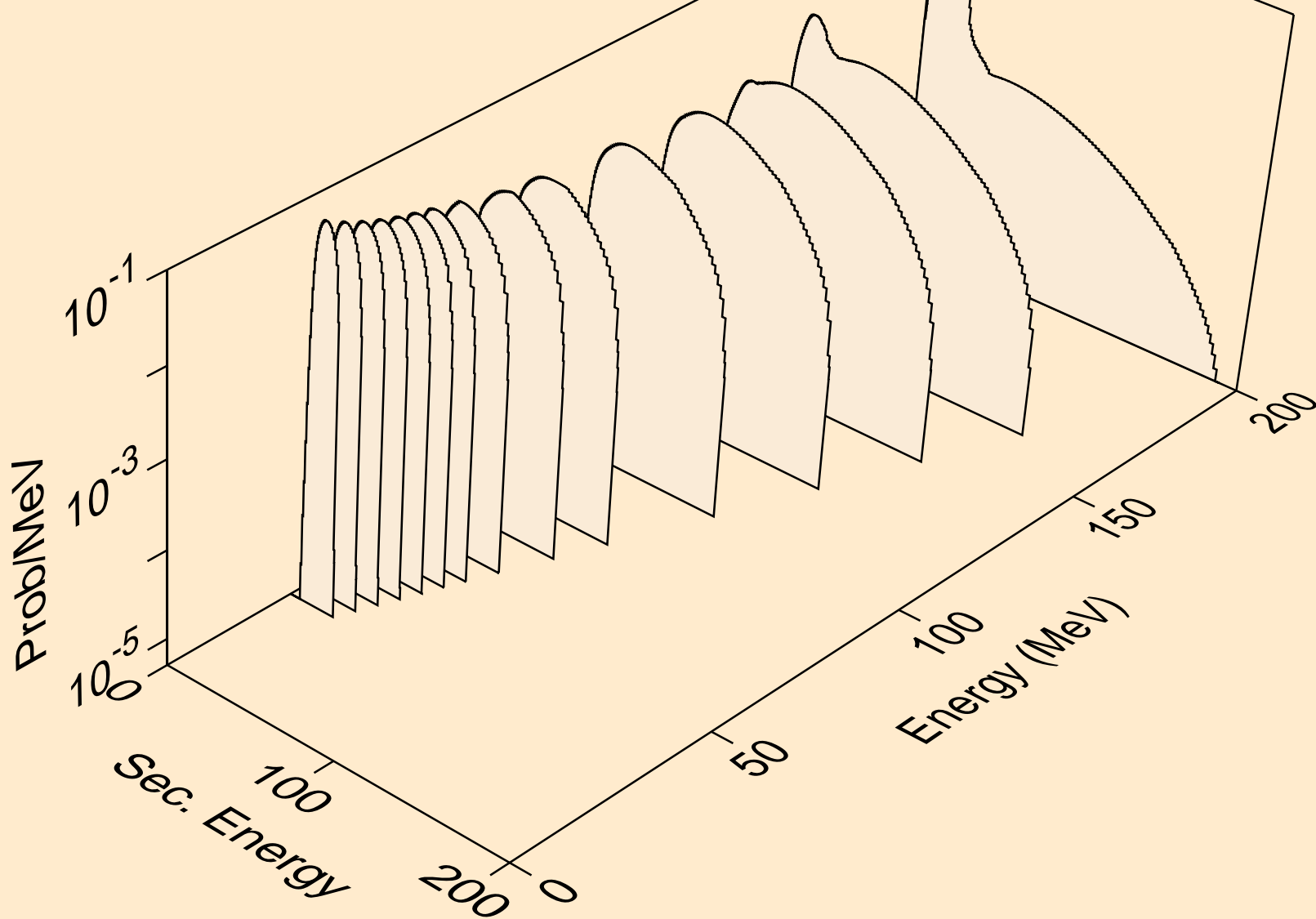
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



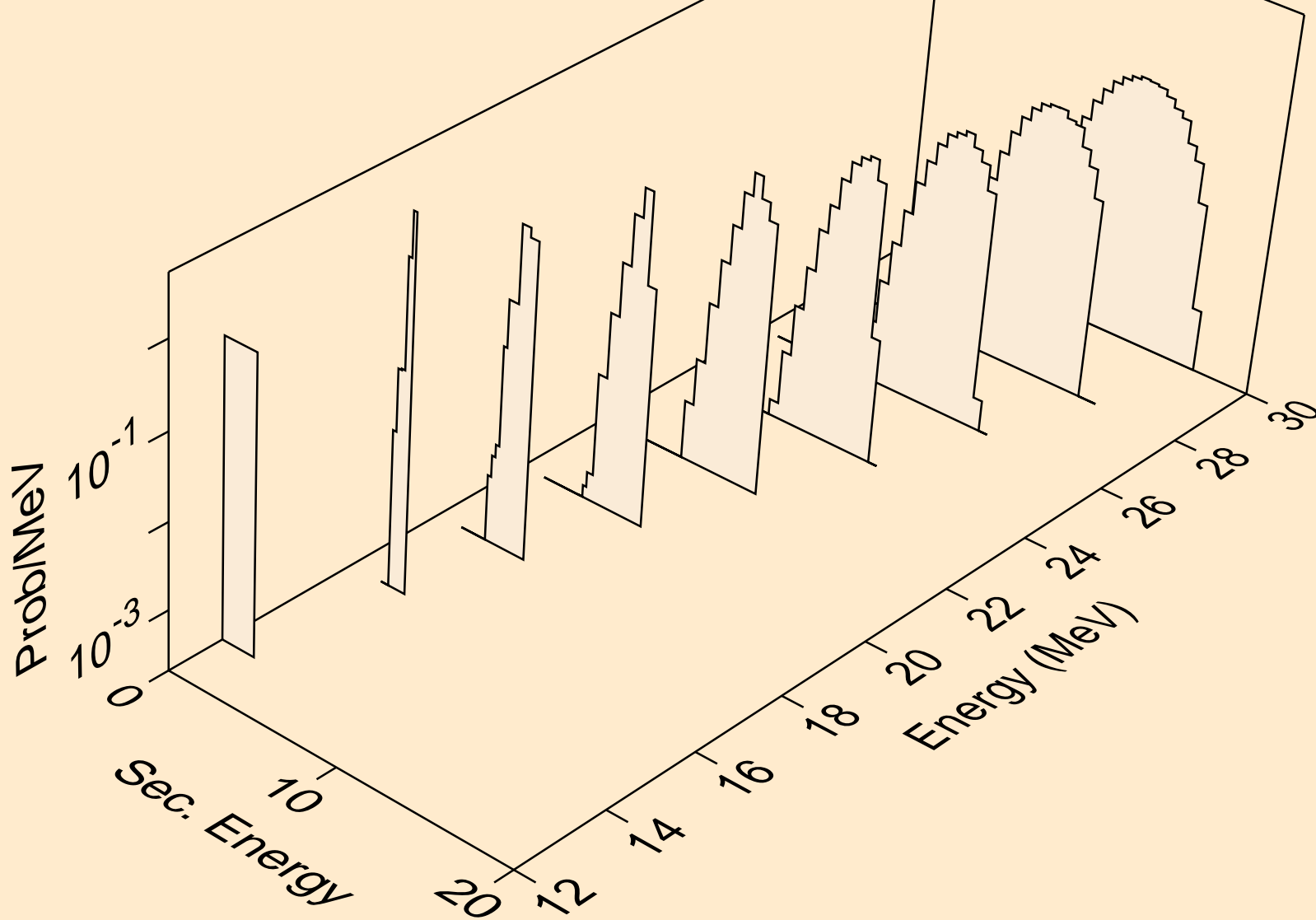
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



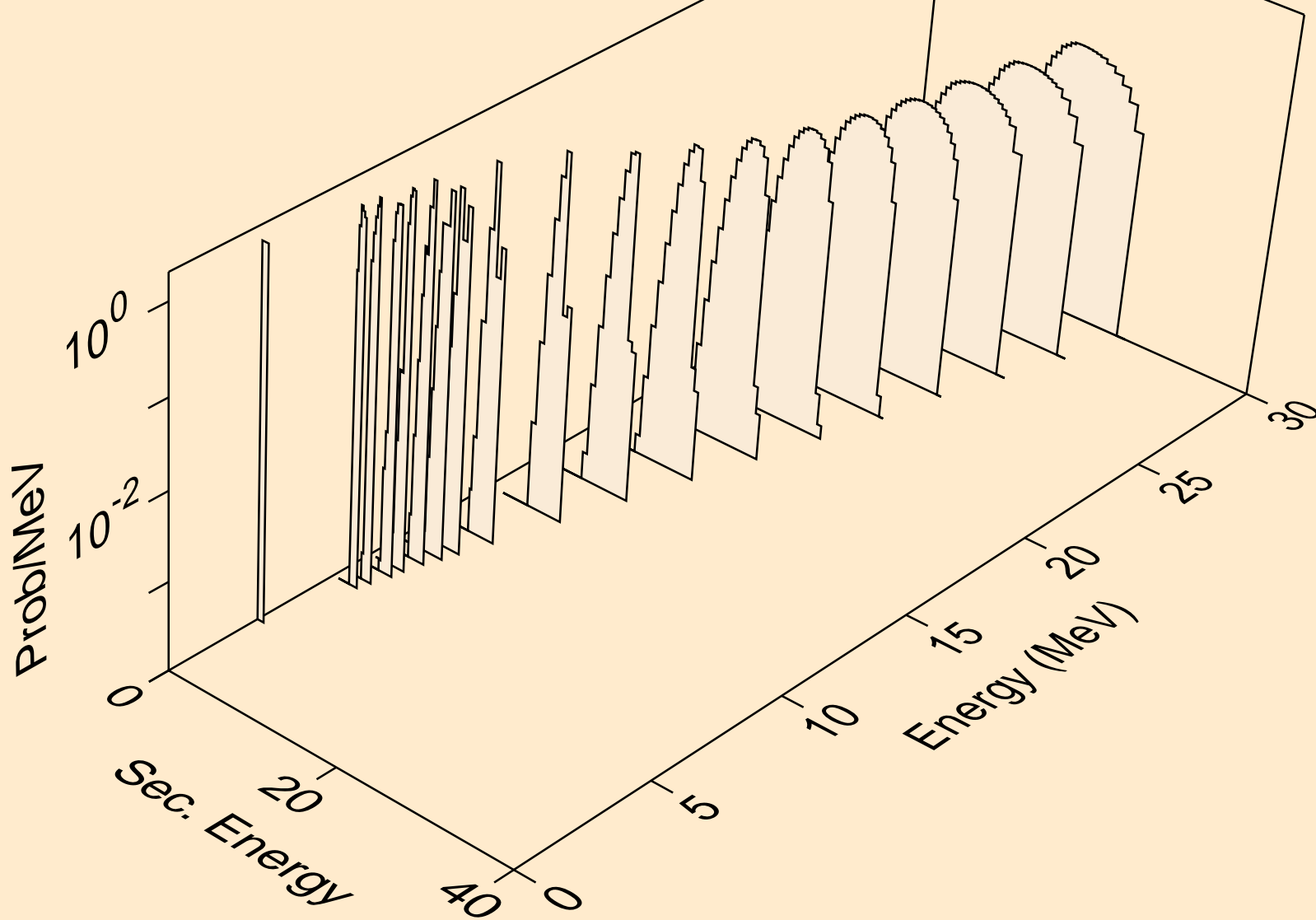
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



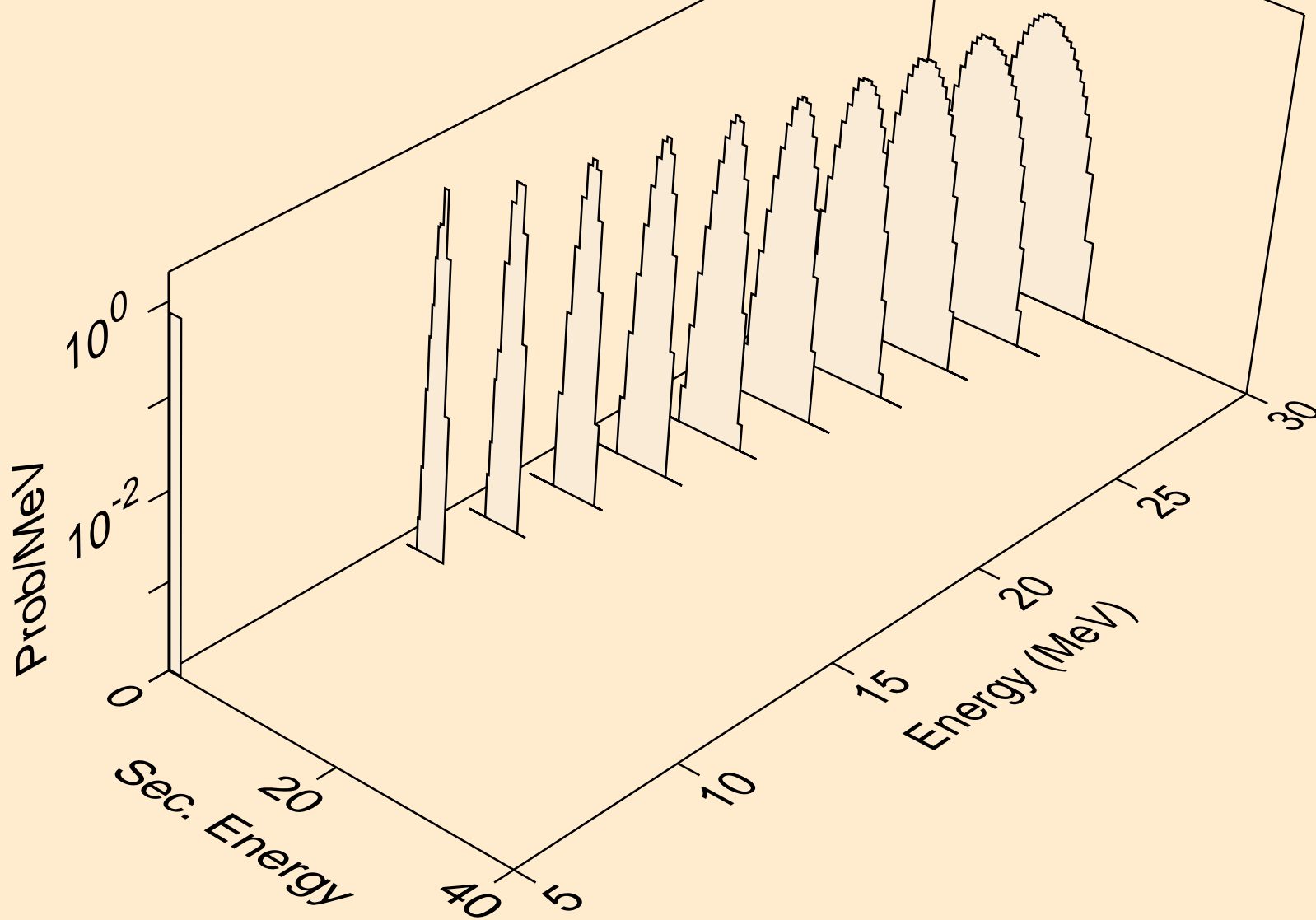
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



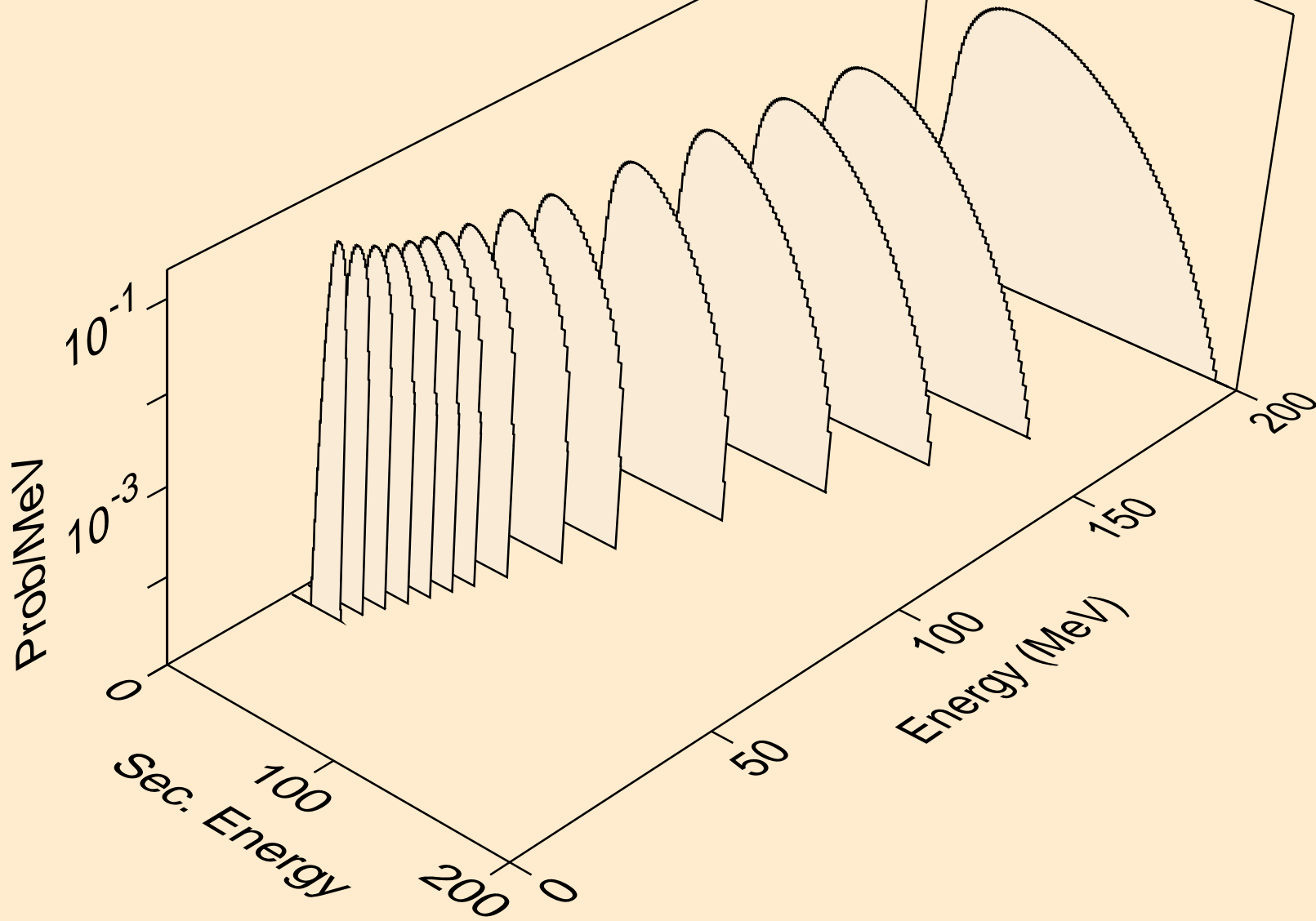
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



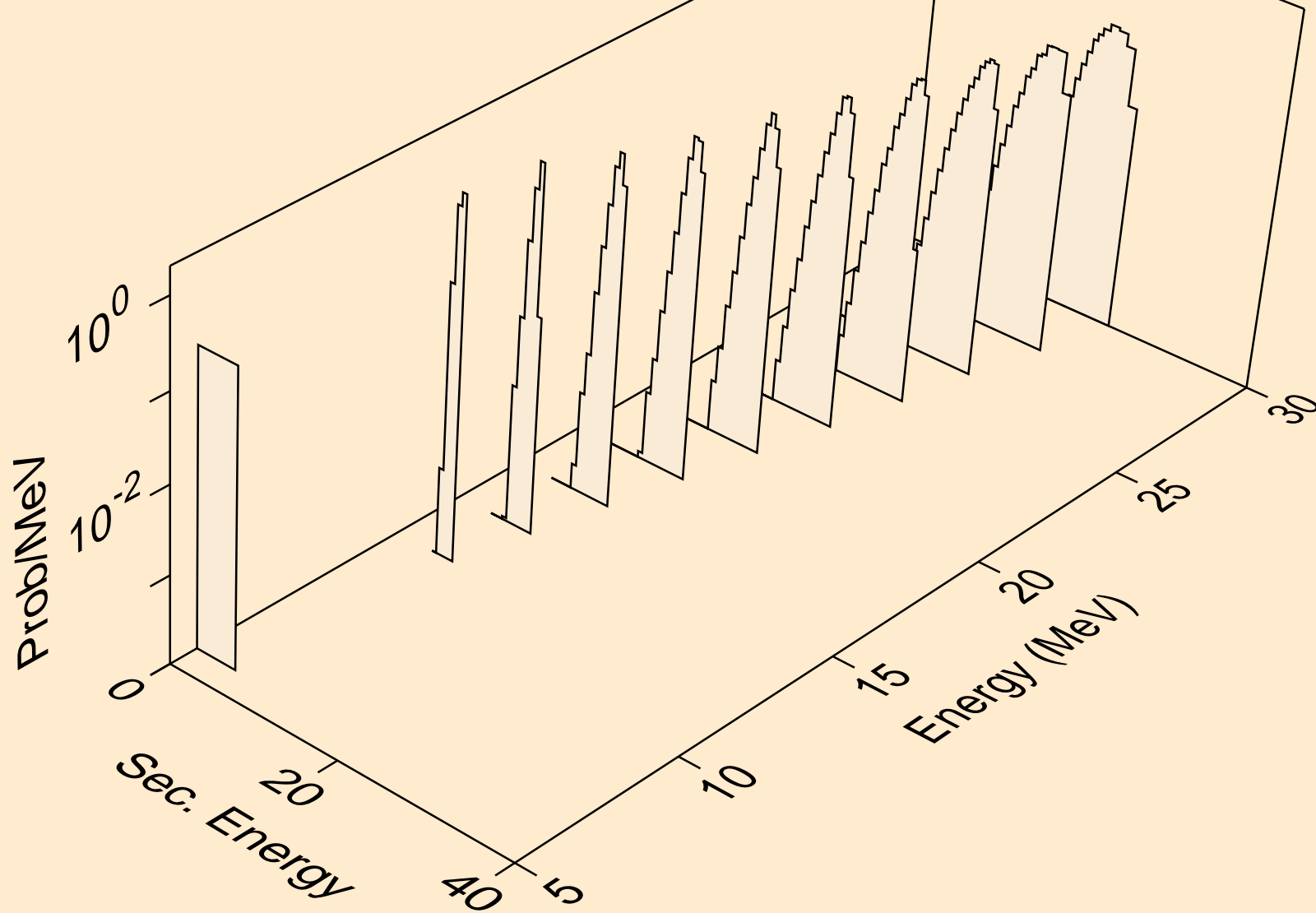
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



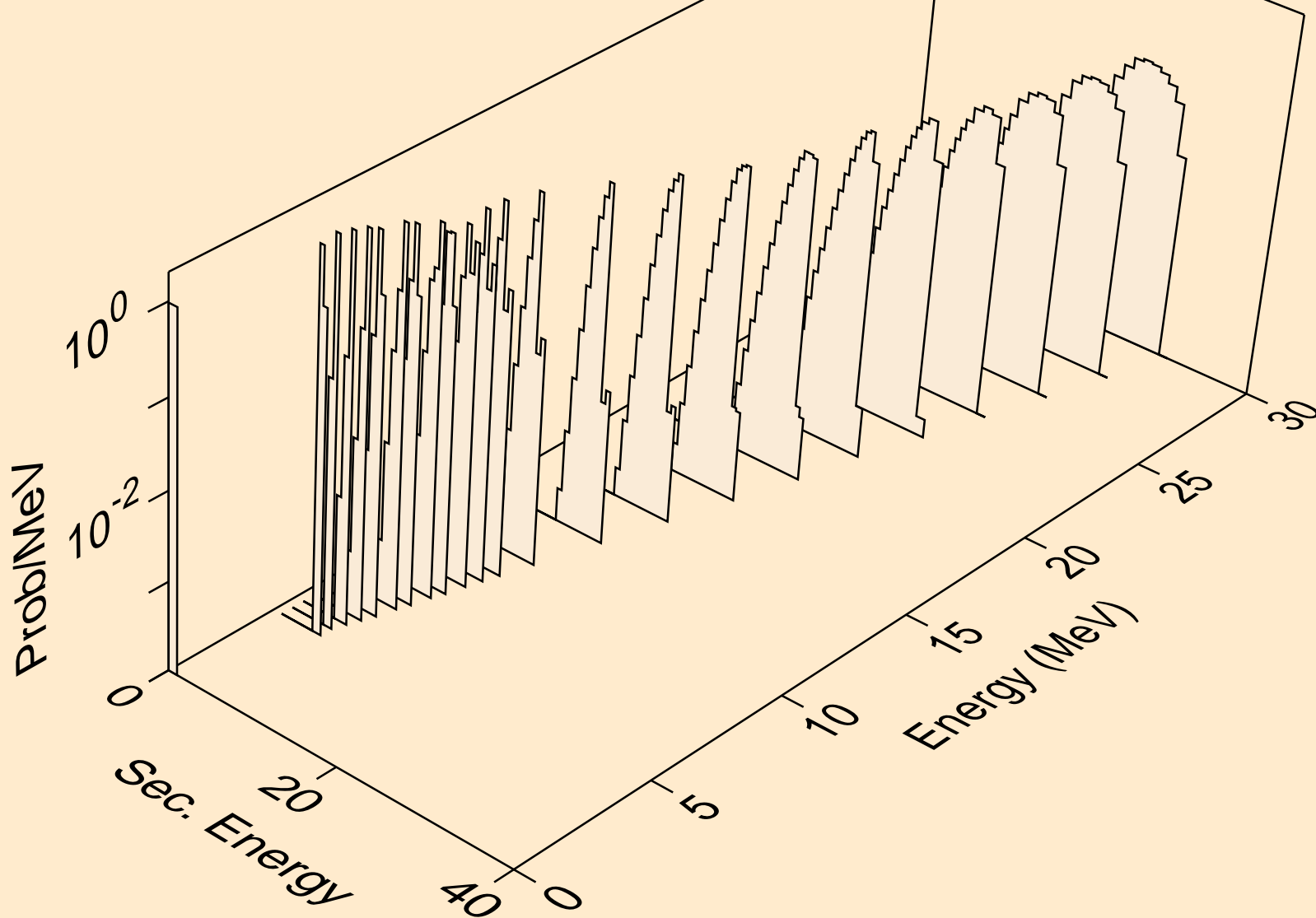
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



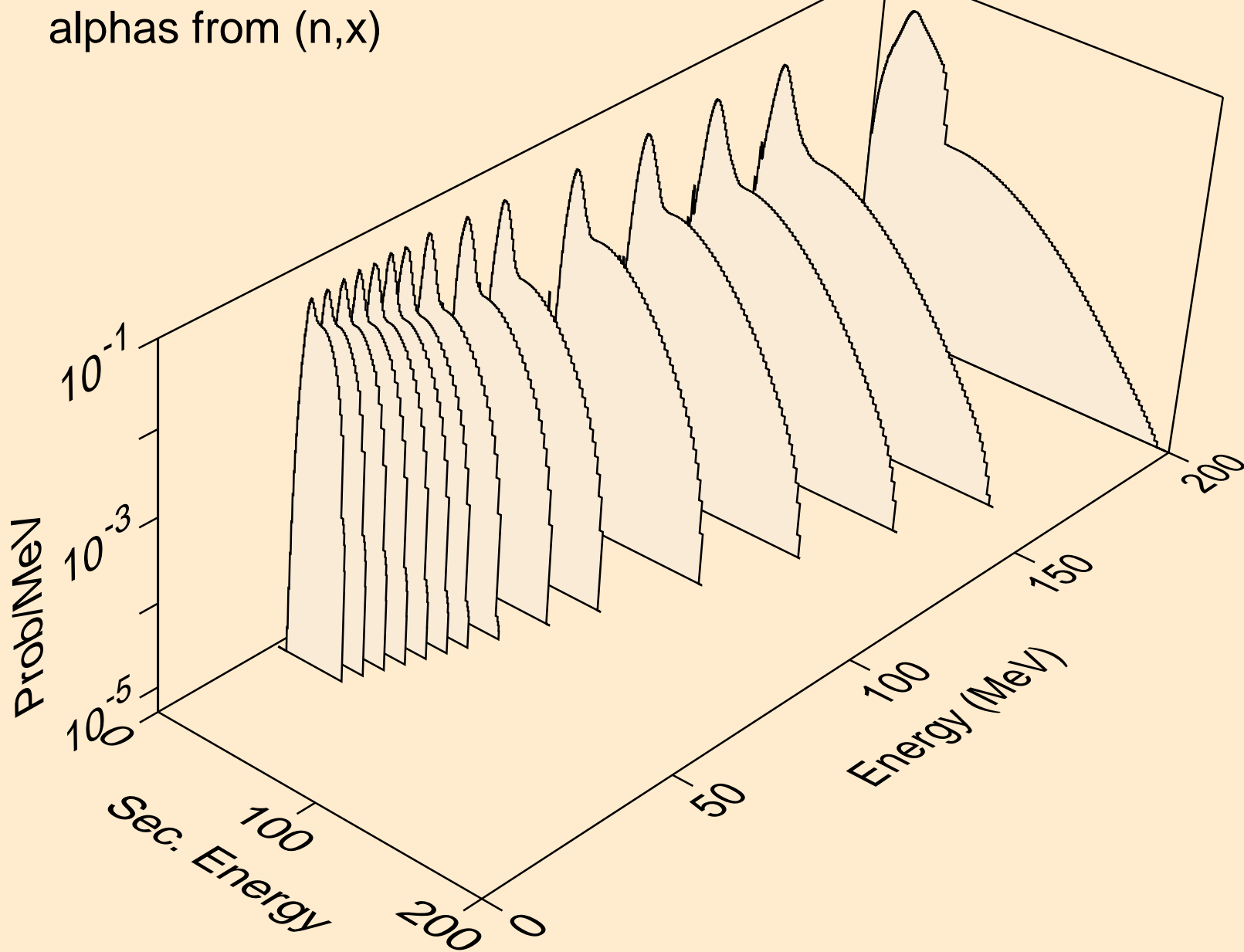
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



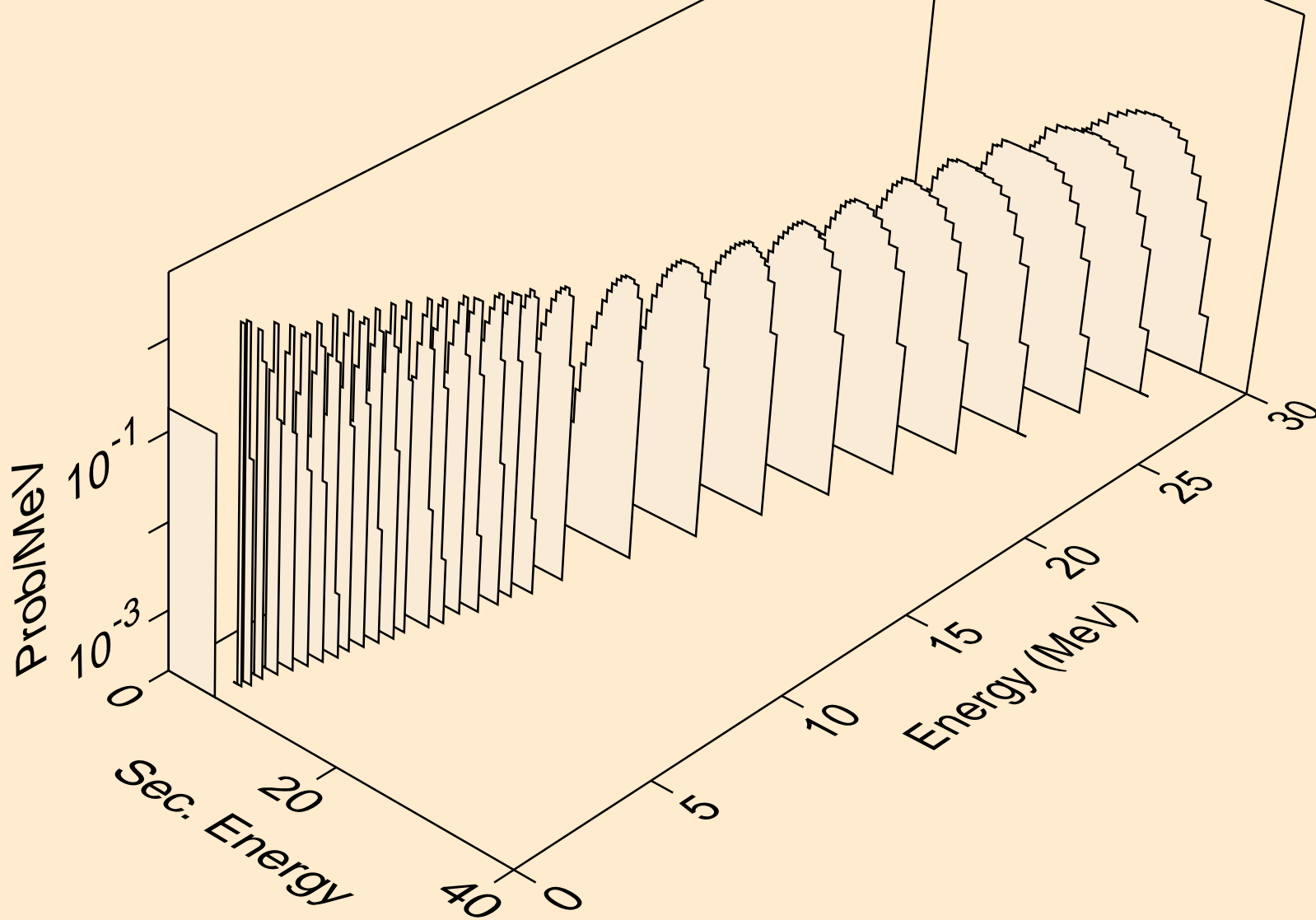
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



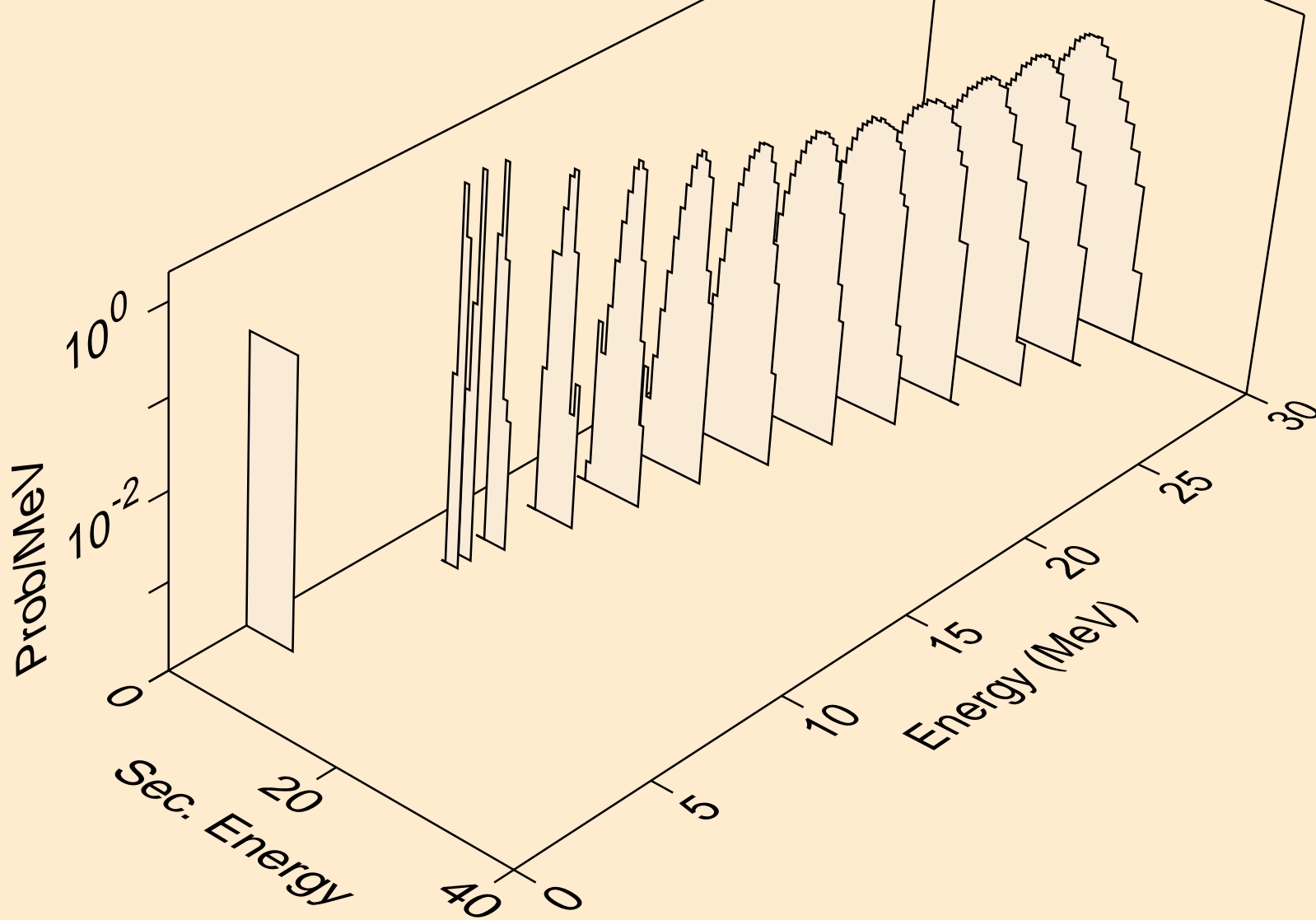
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



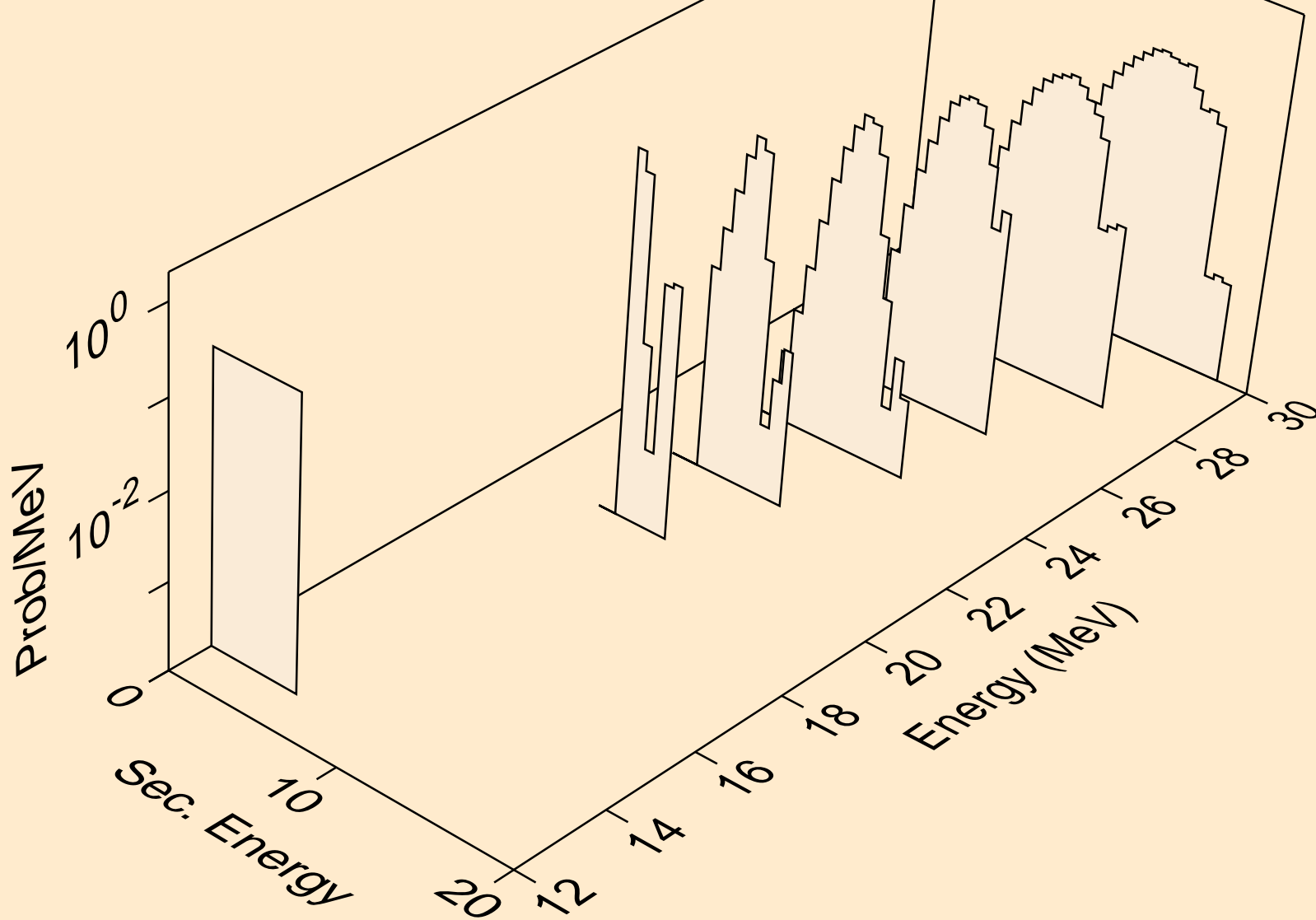
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



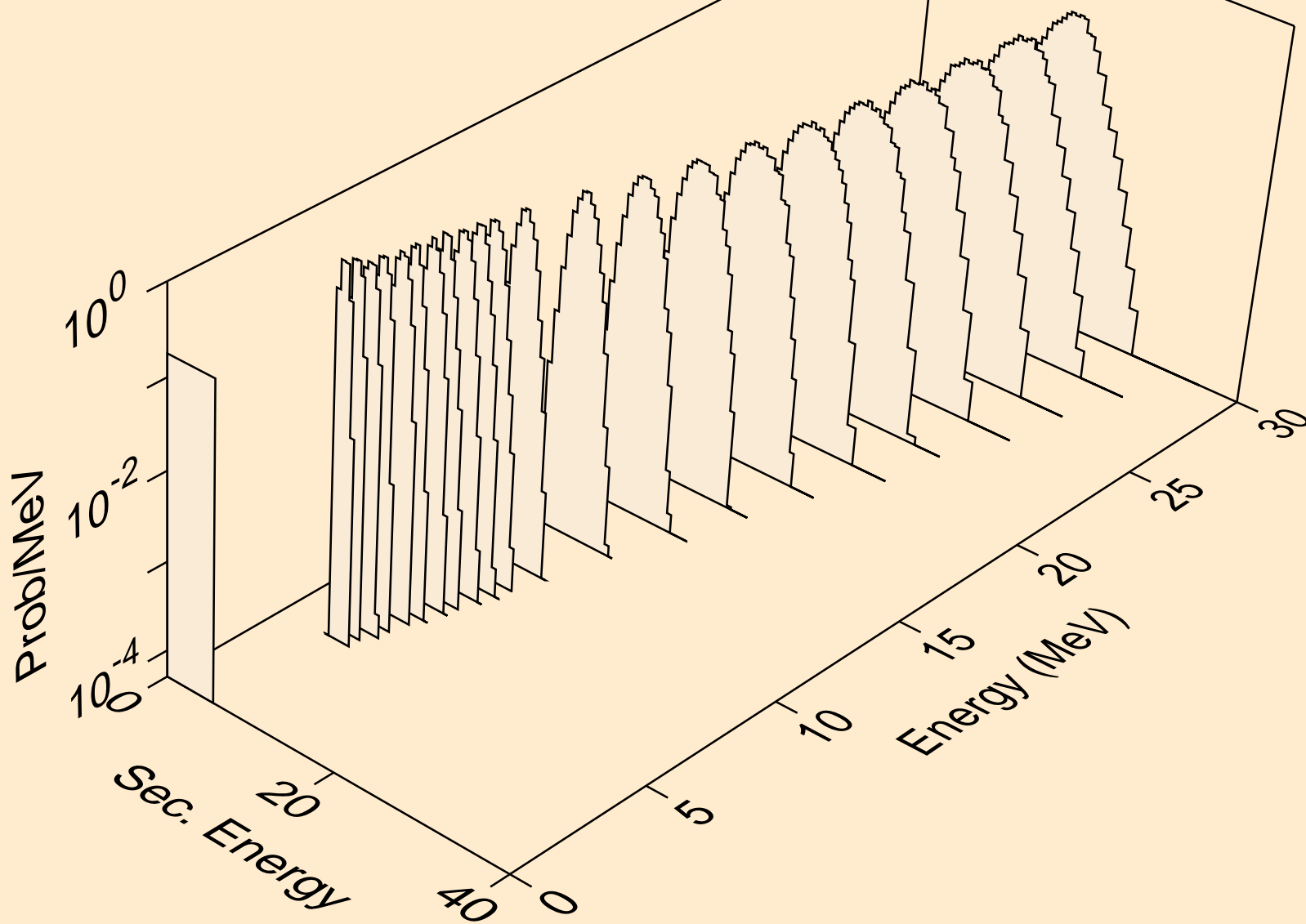
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



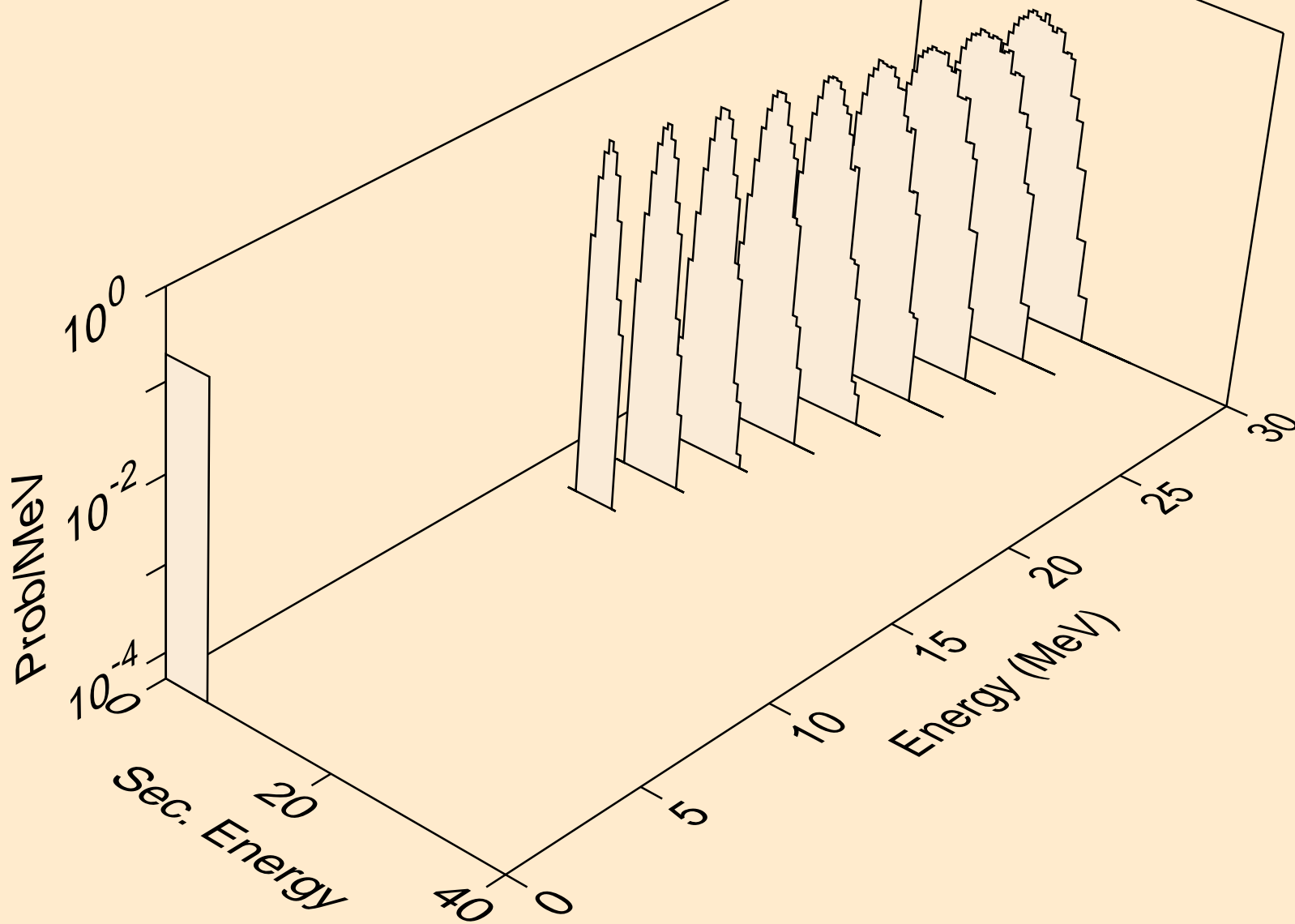
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



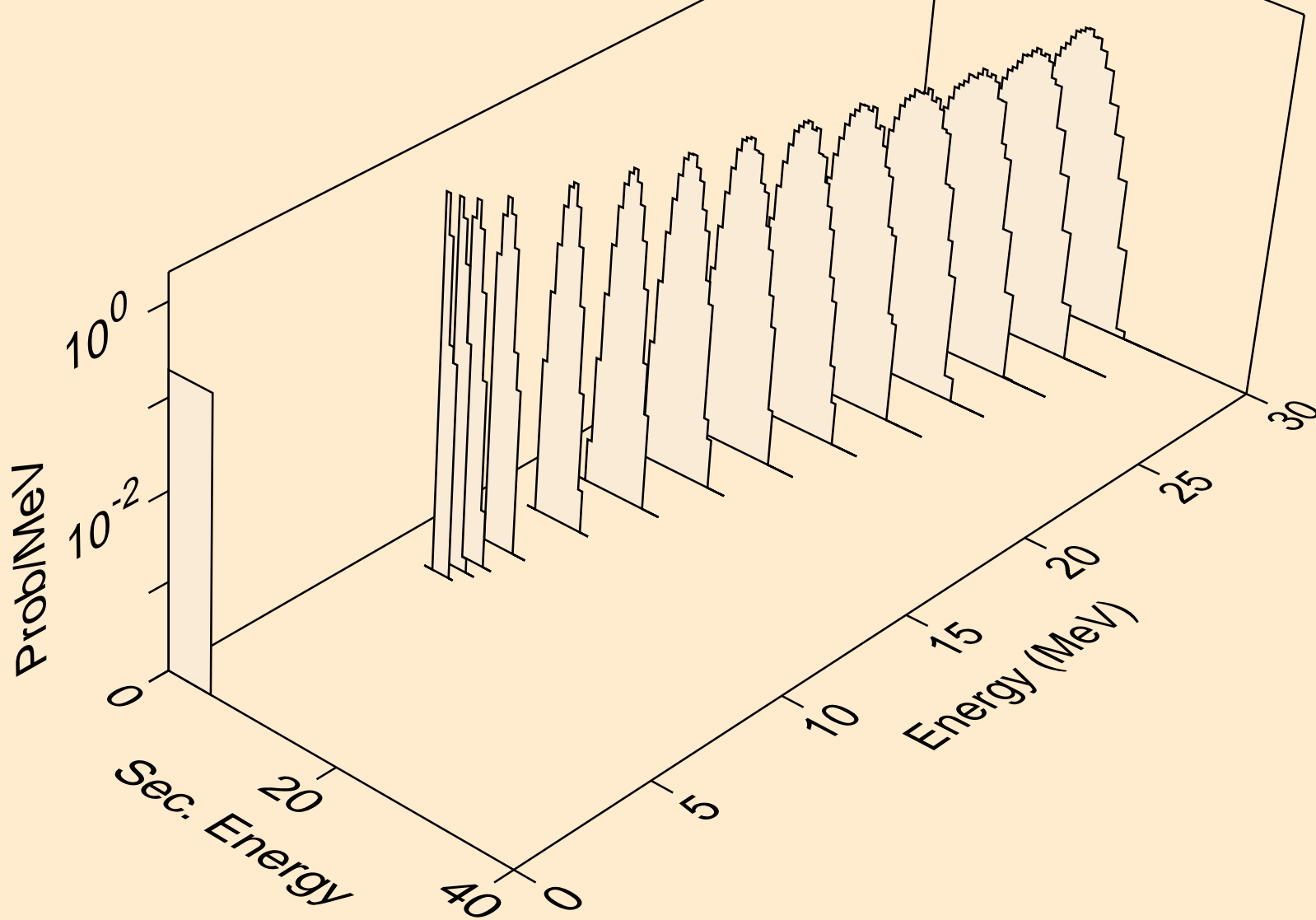
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



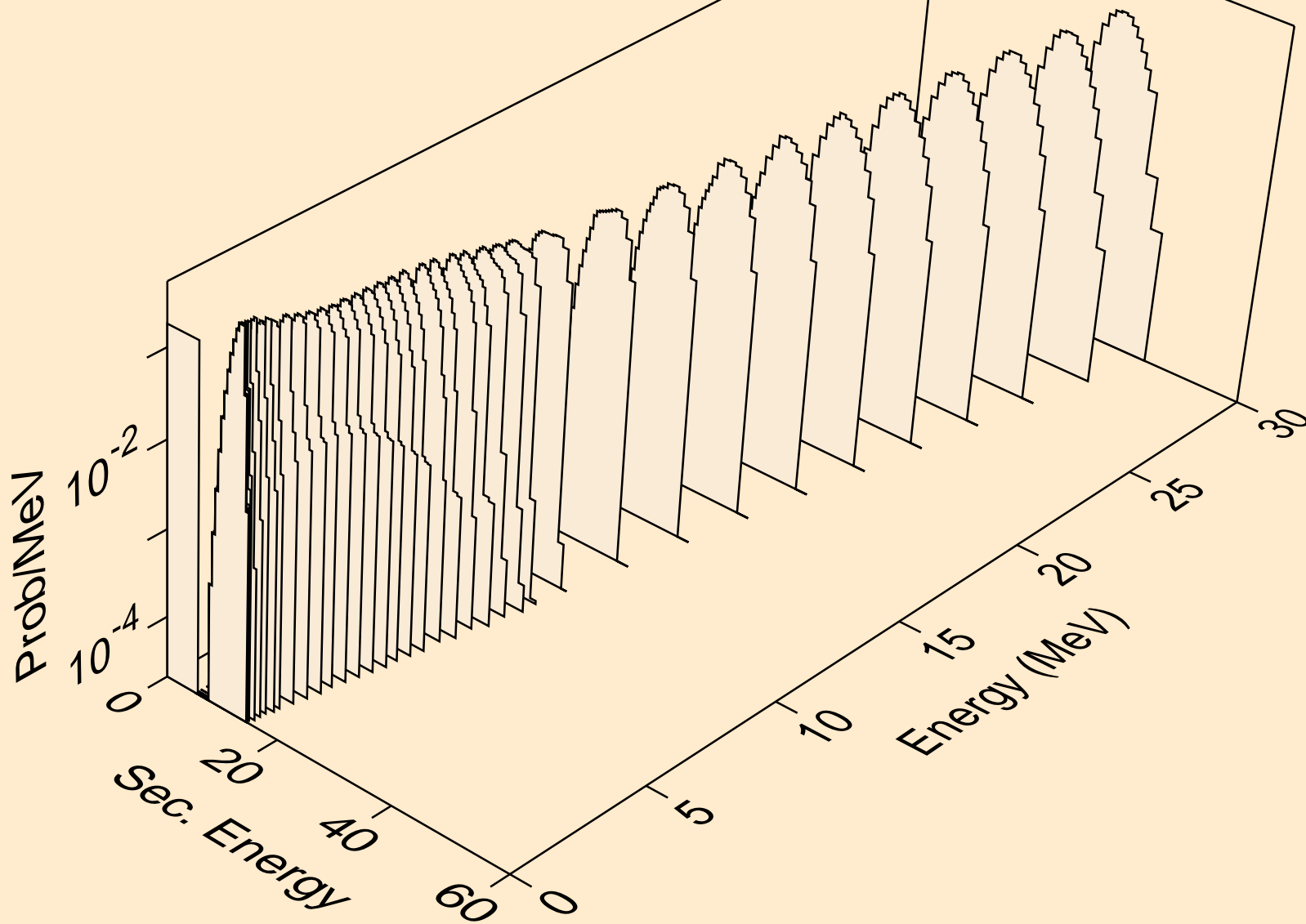
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



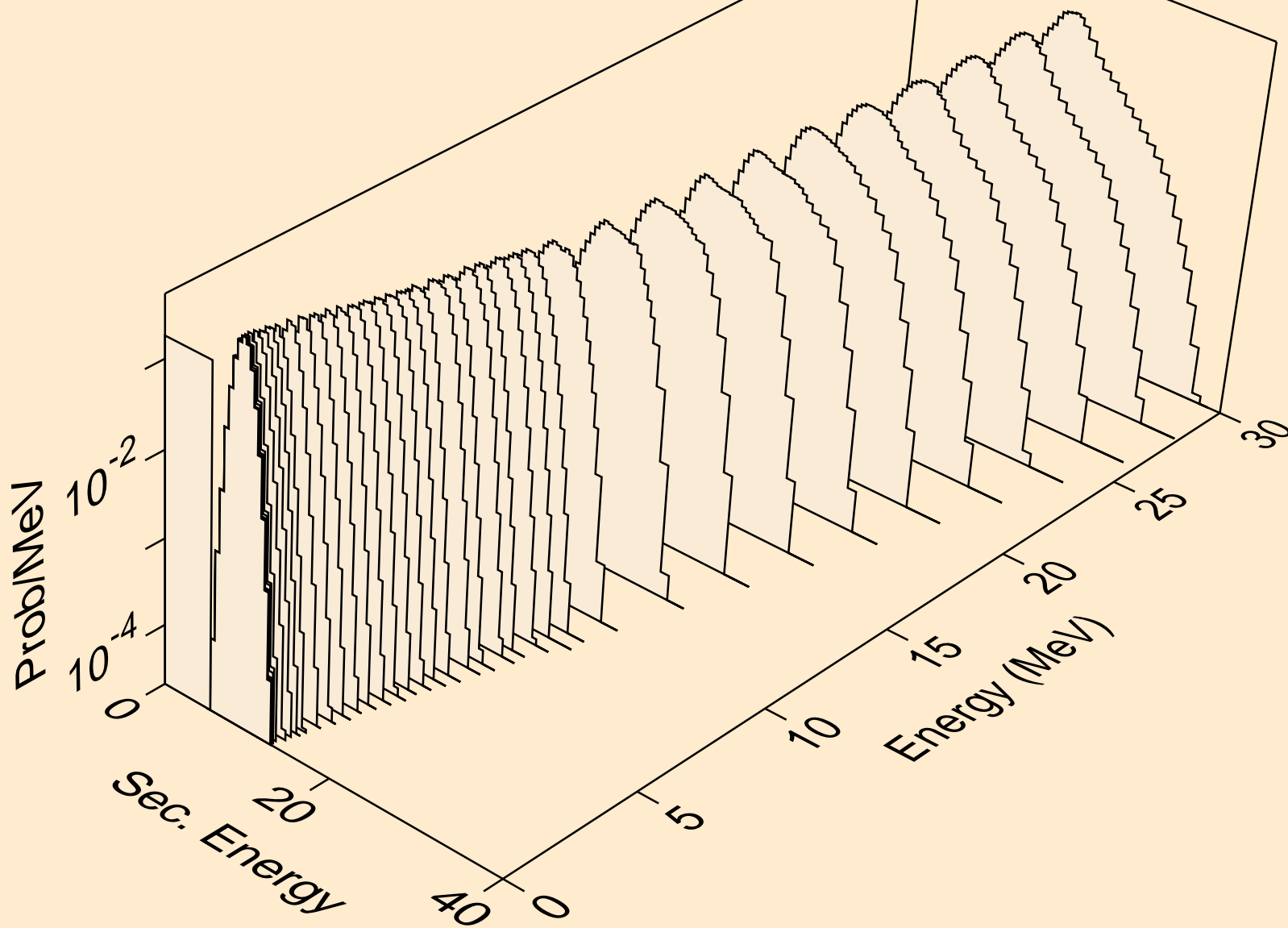
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



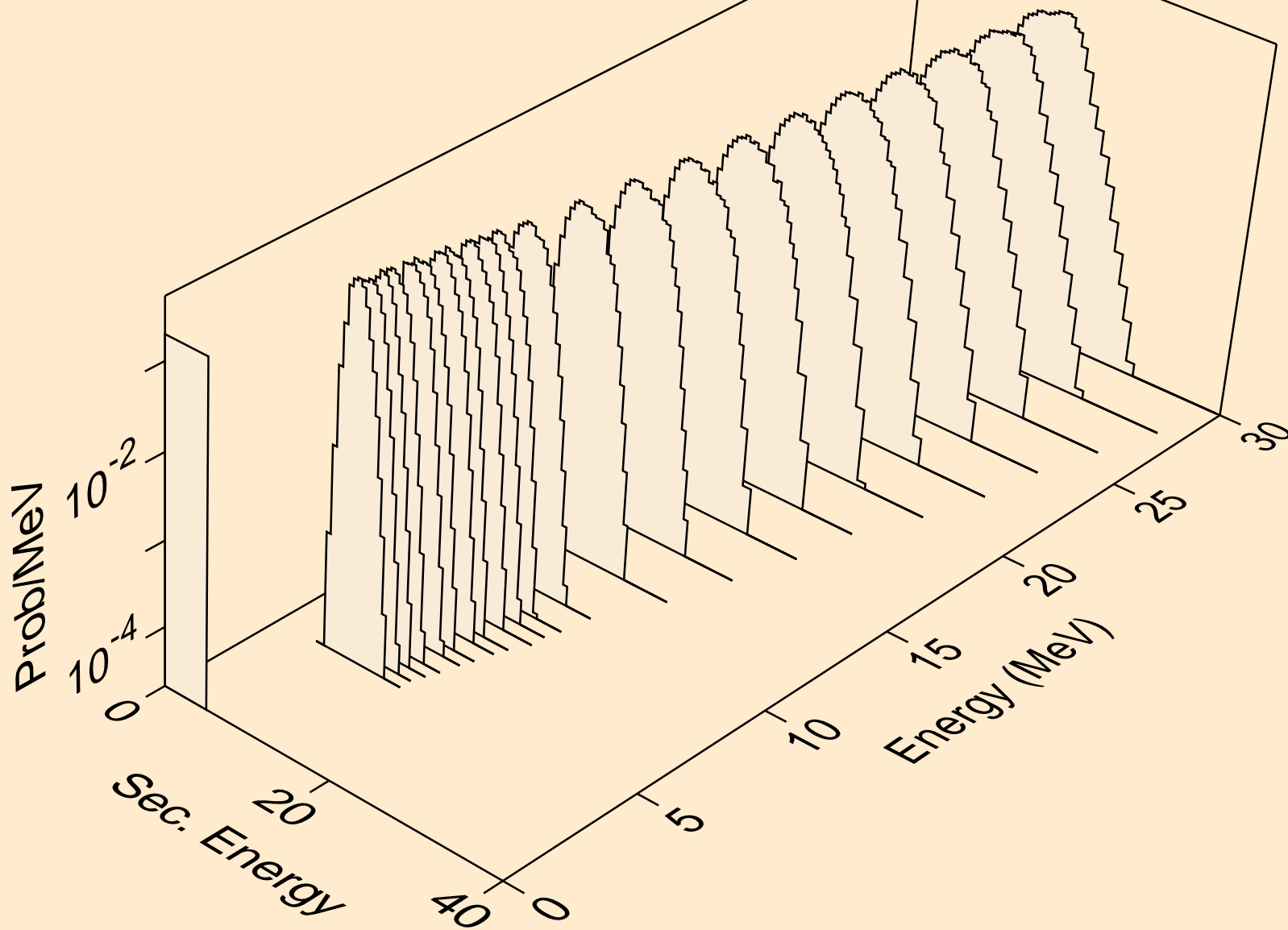
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



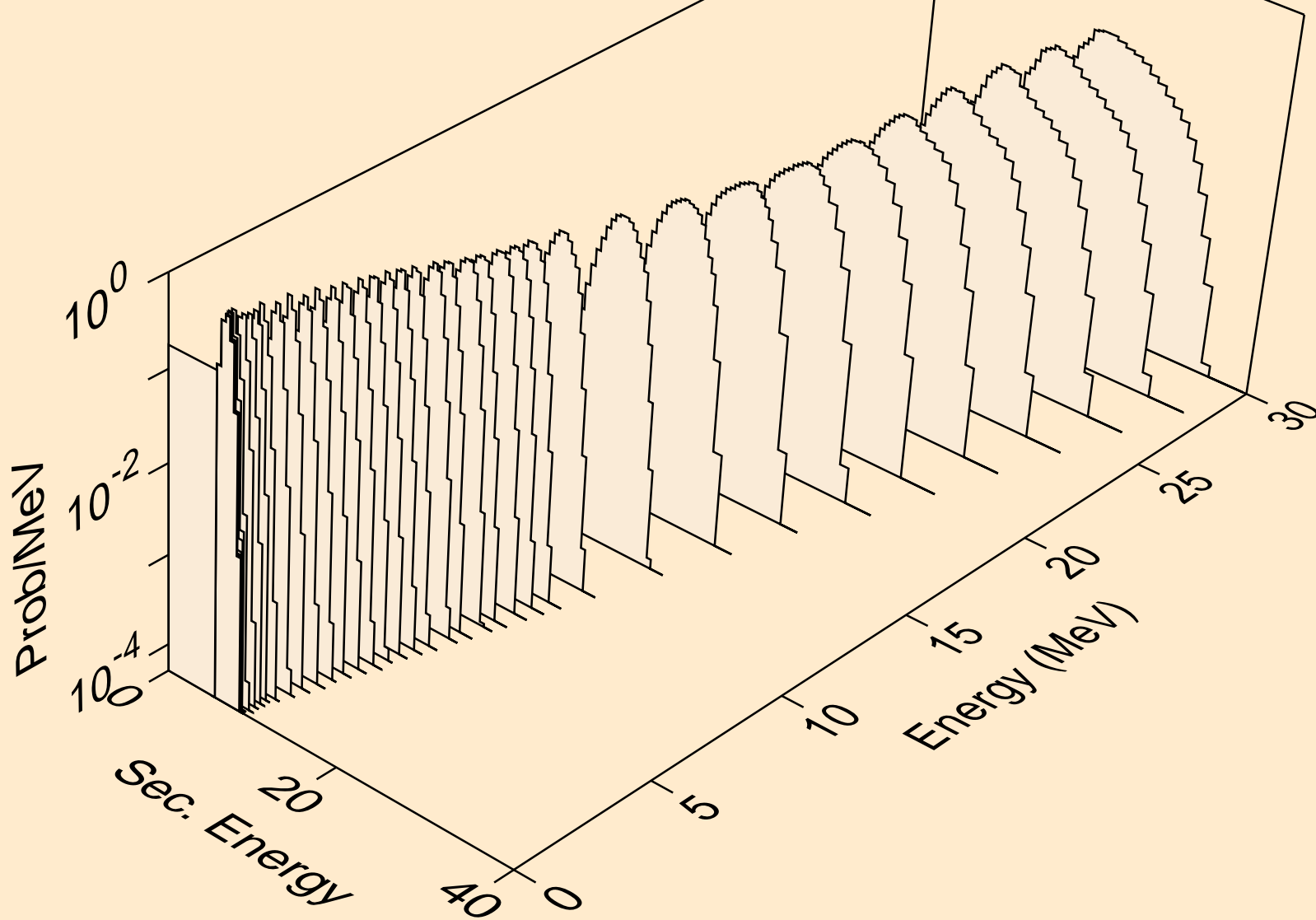
PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,p)



PT181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

