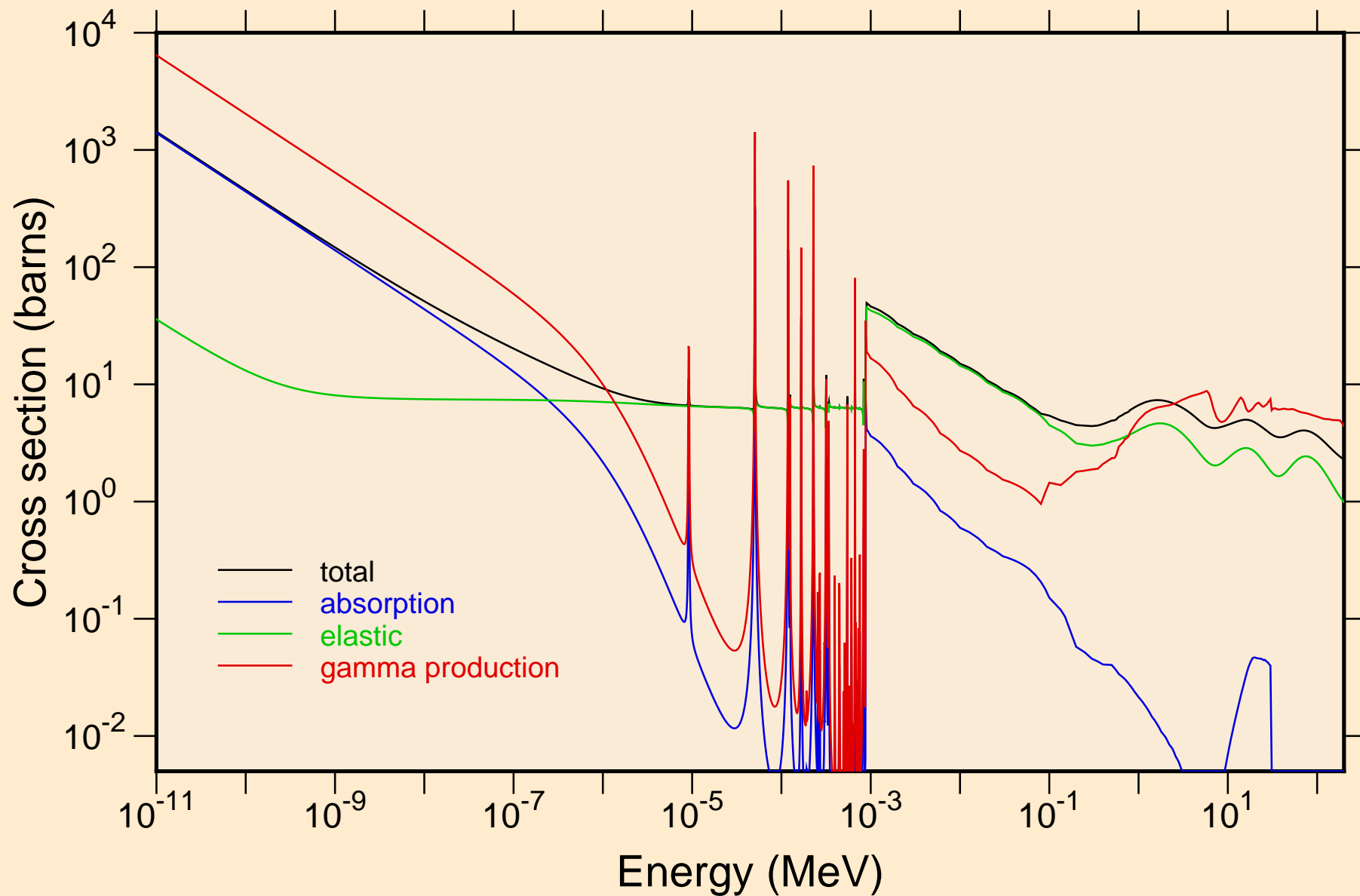
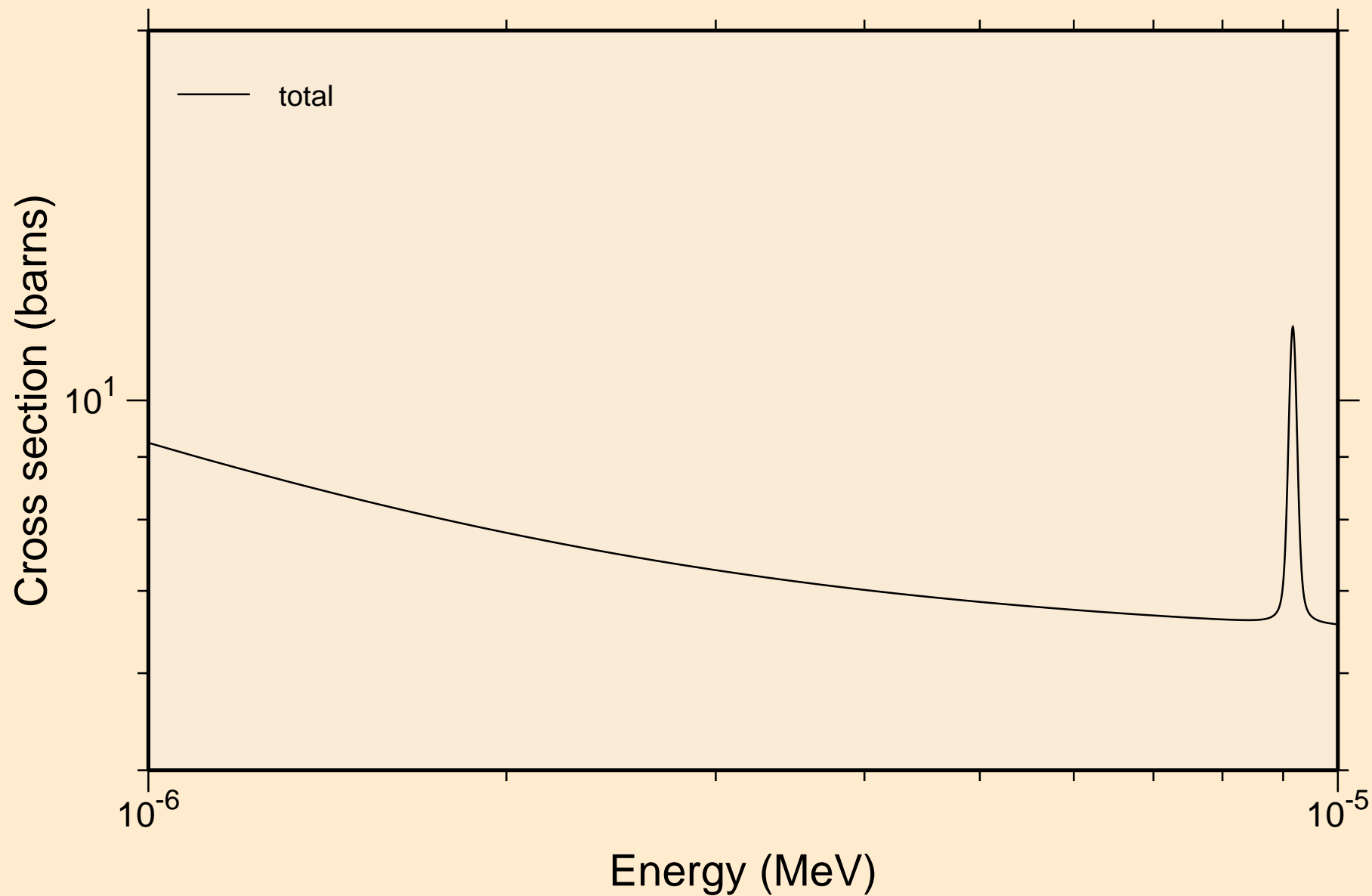


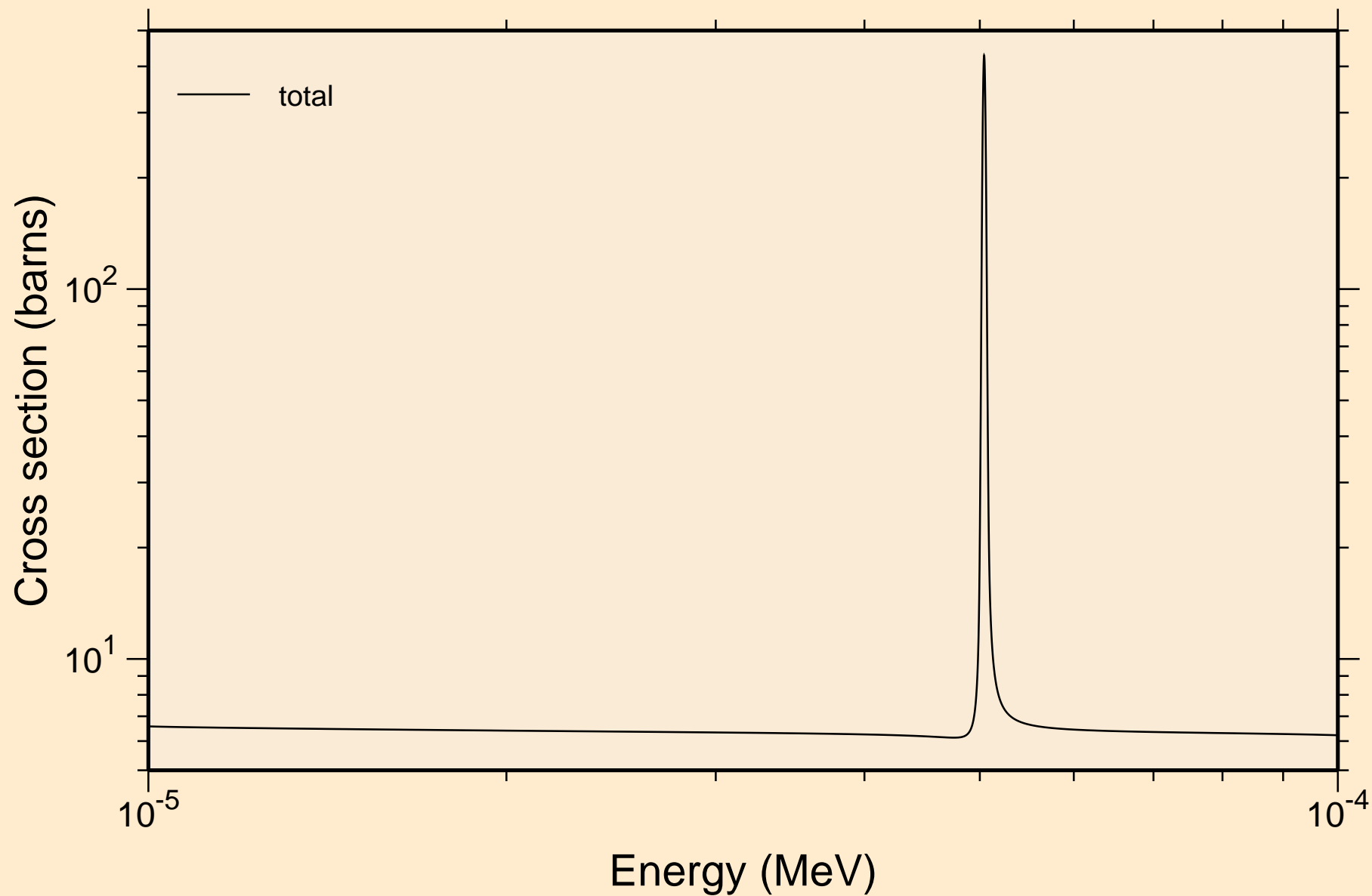
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



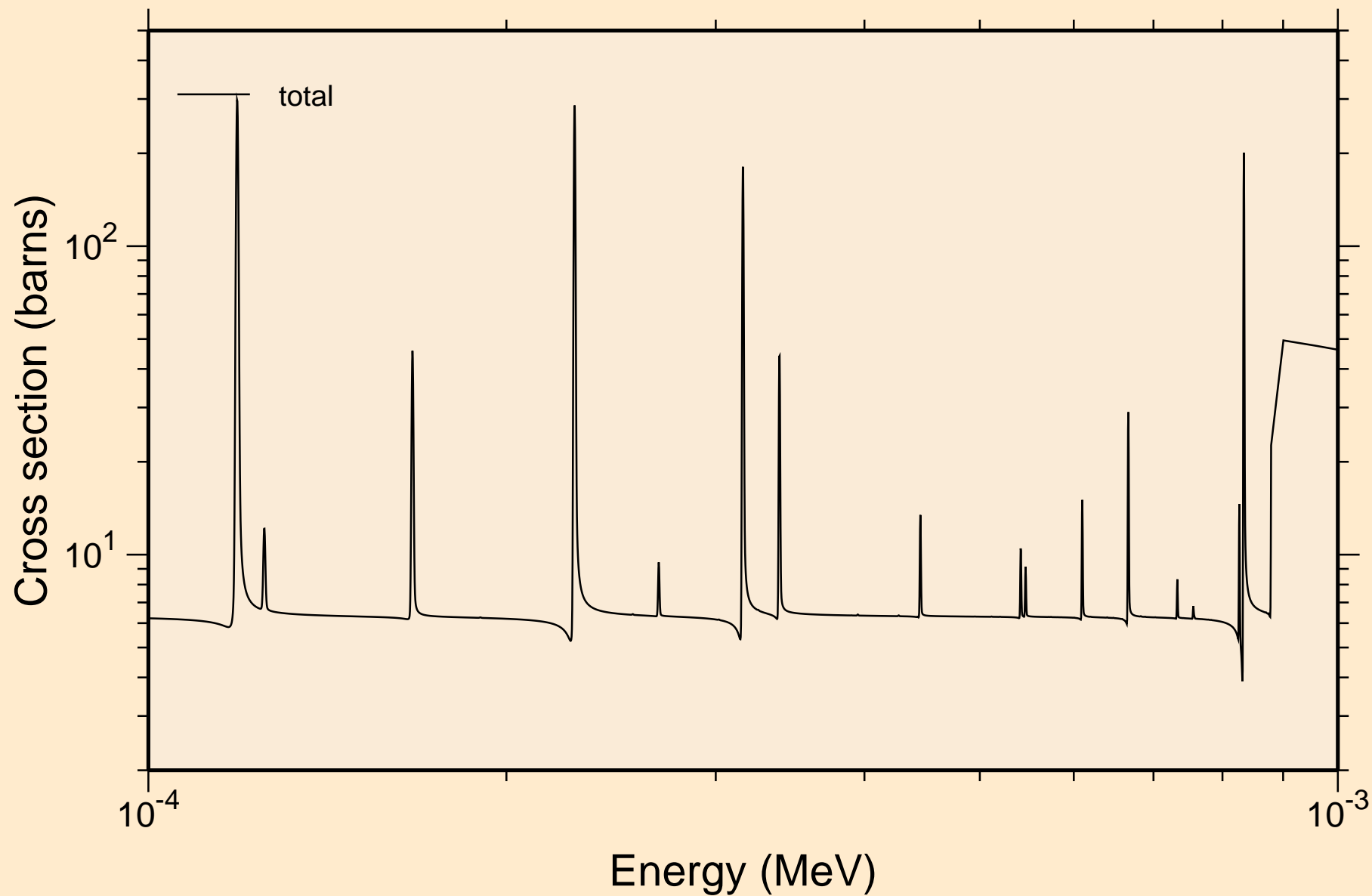
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



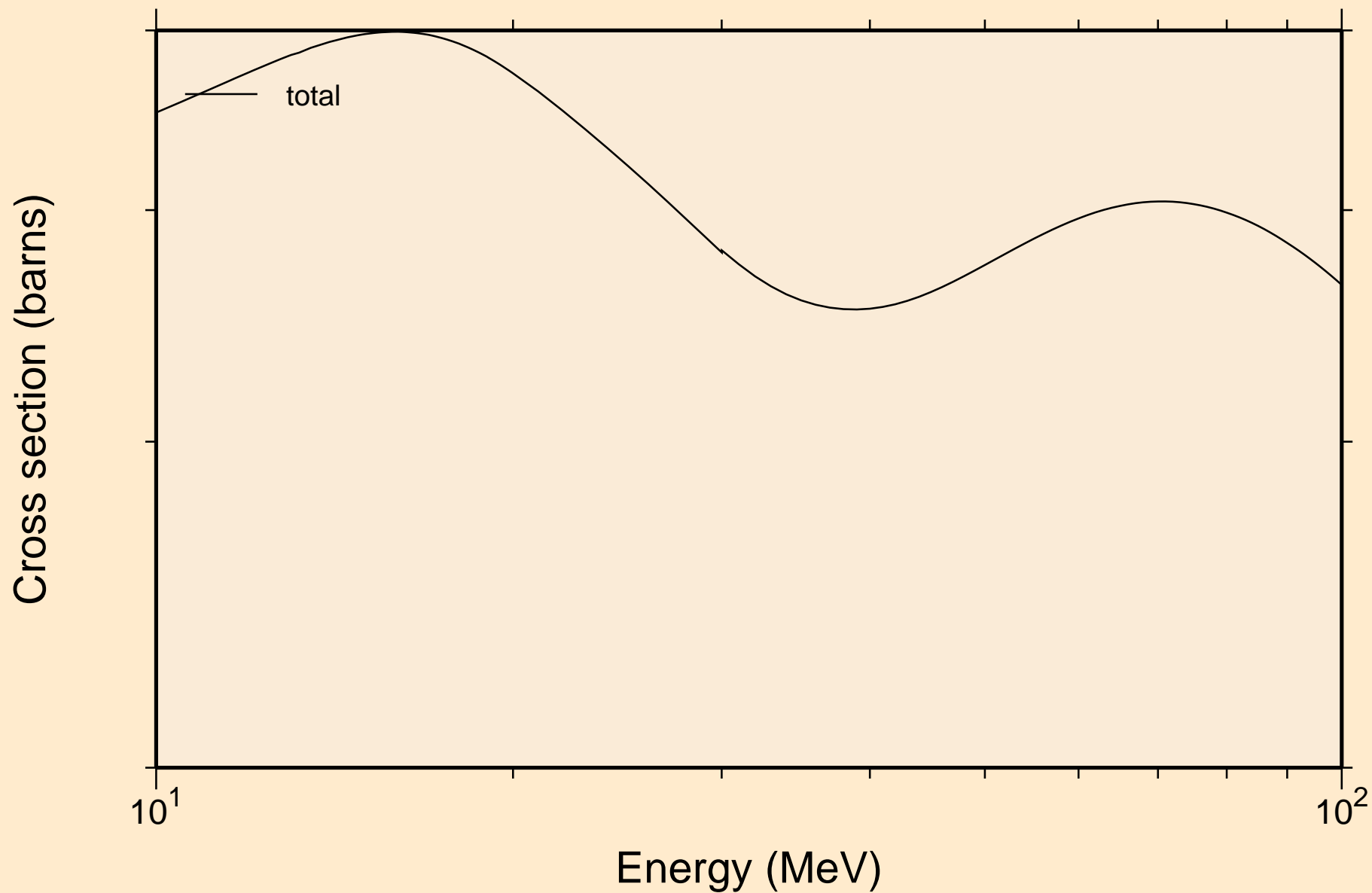
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



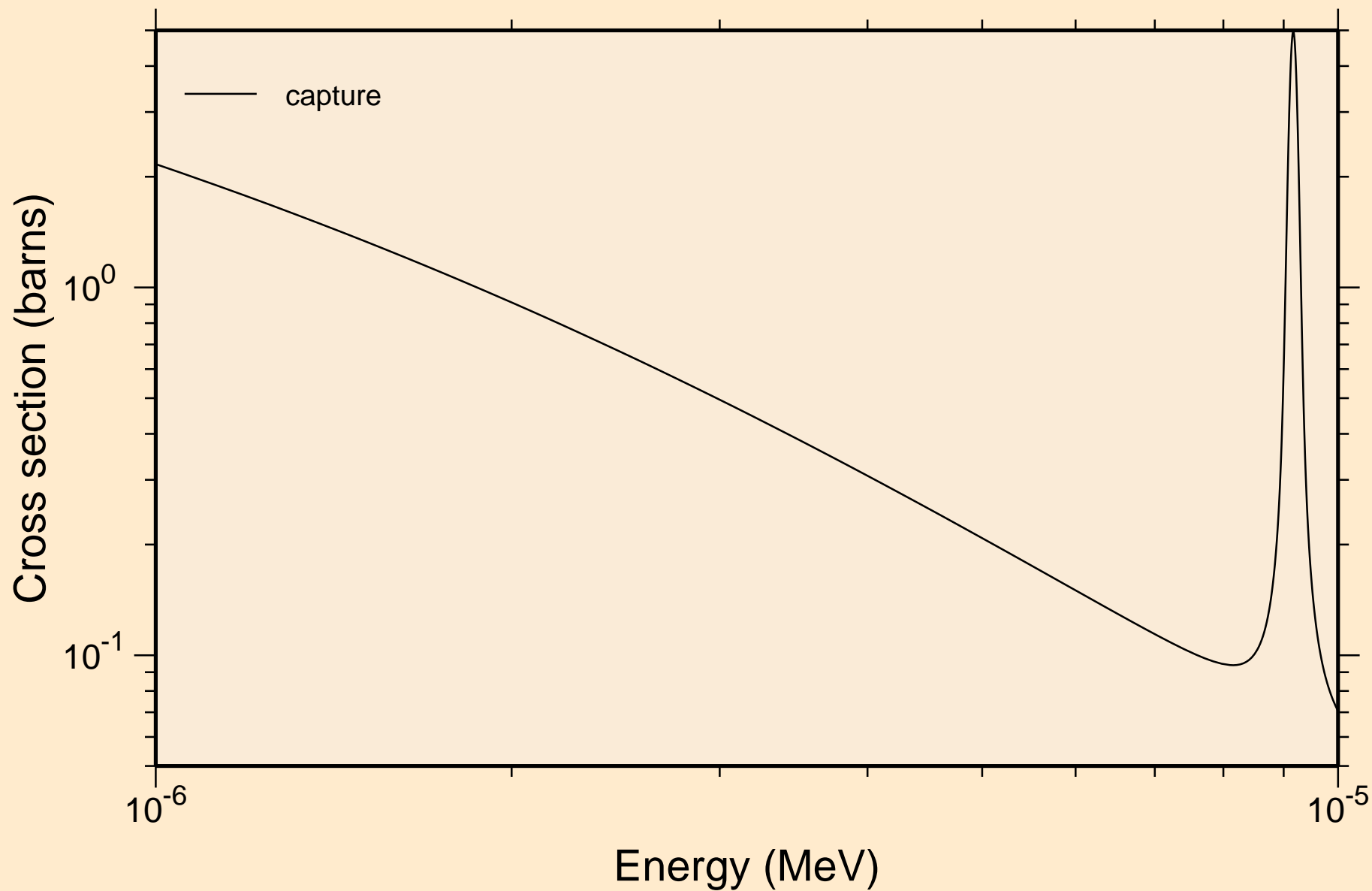
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



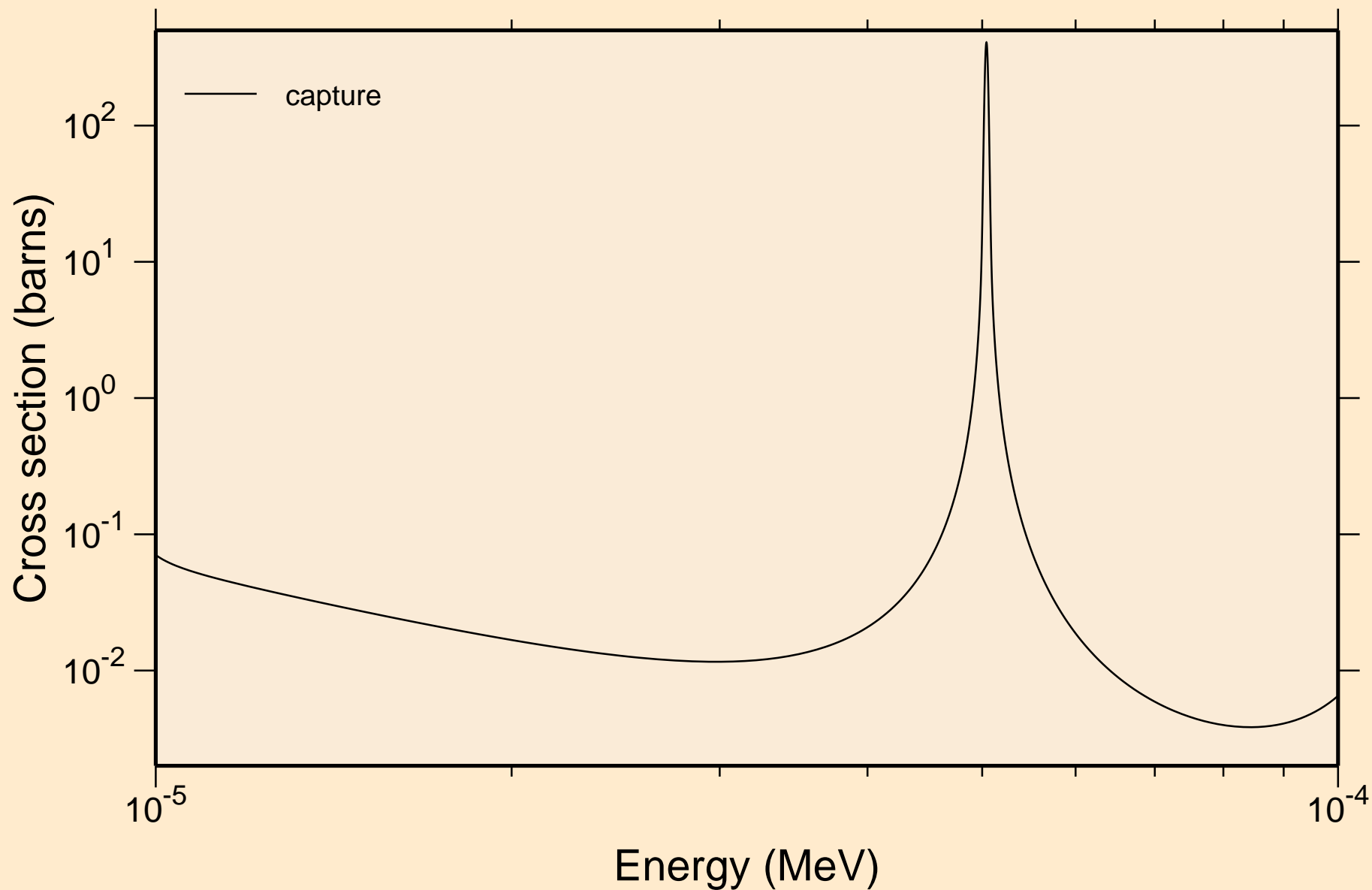
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



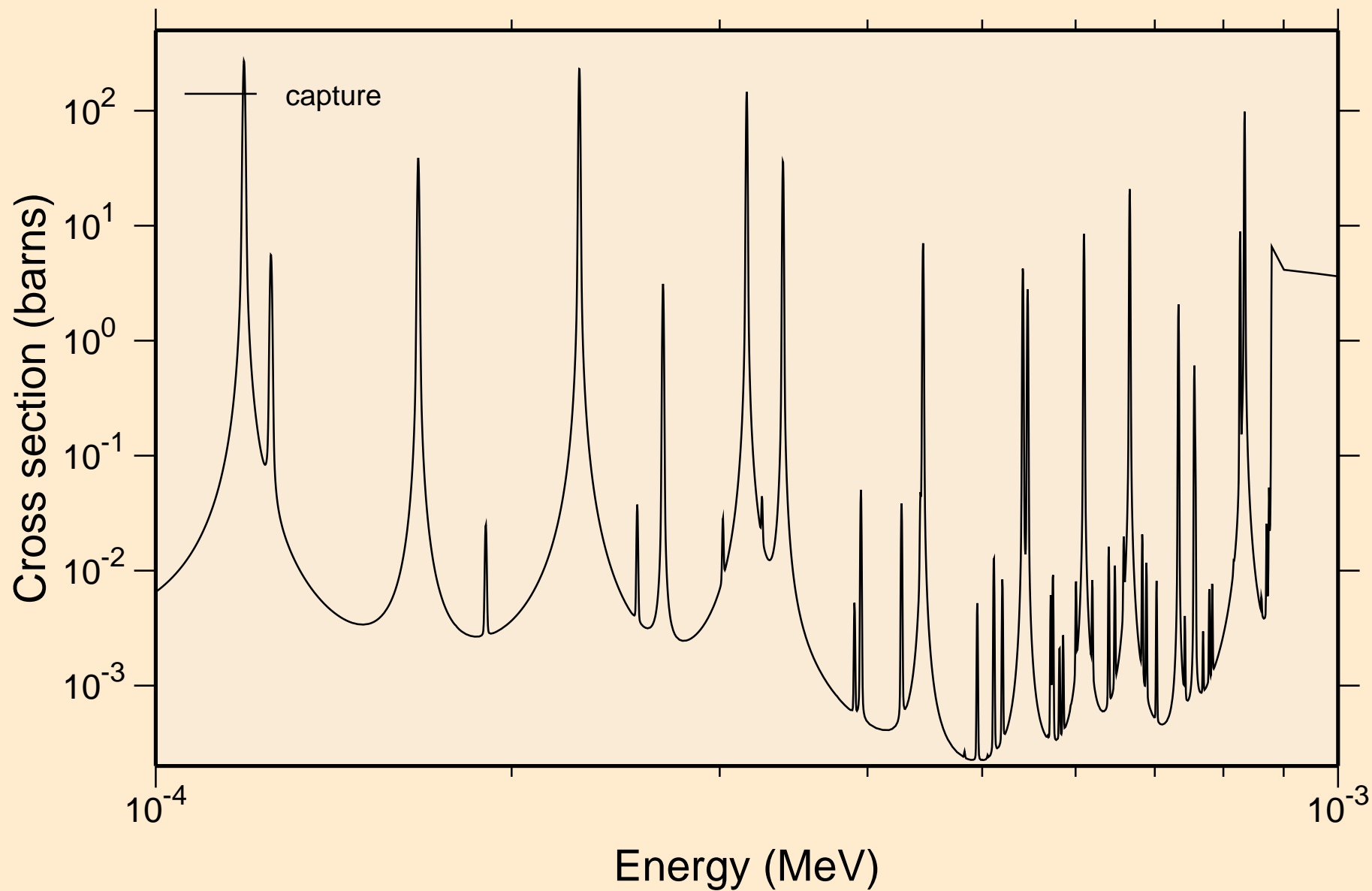
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



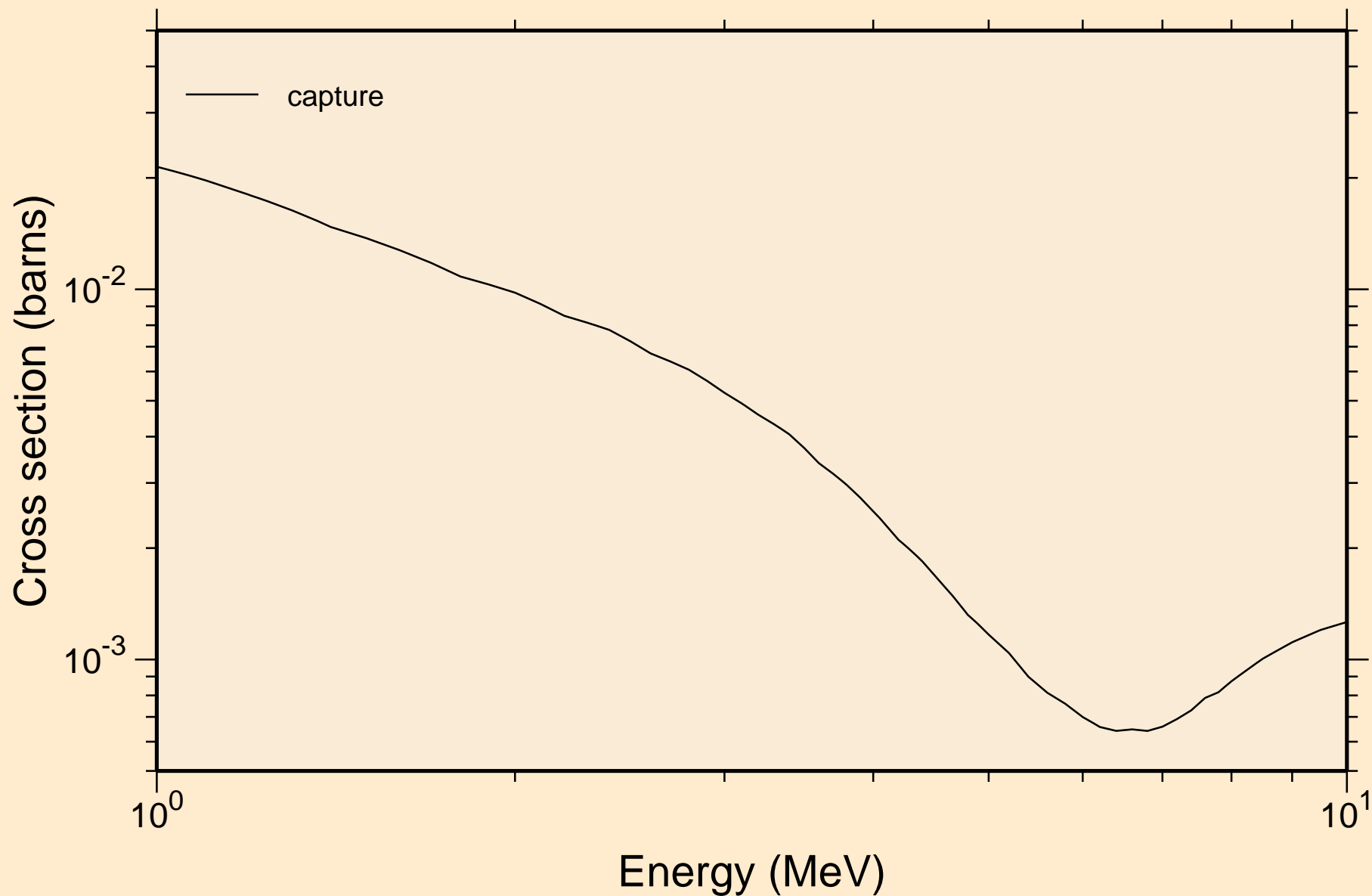
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



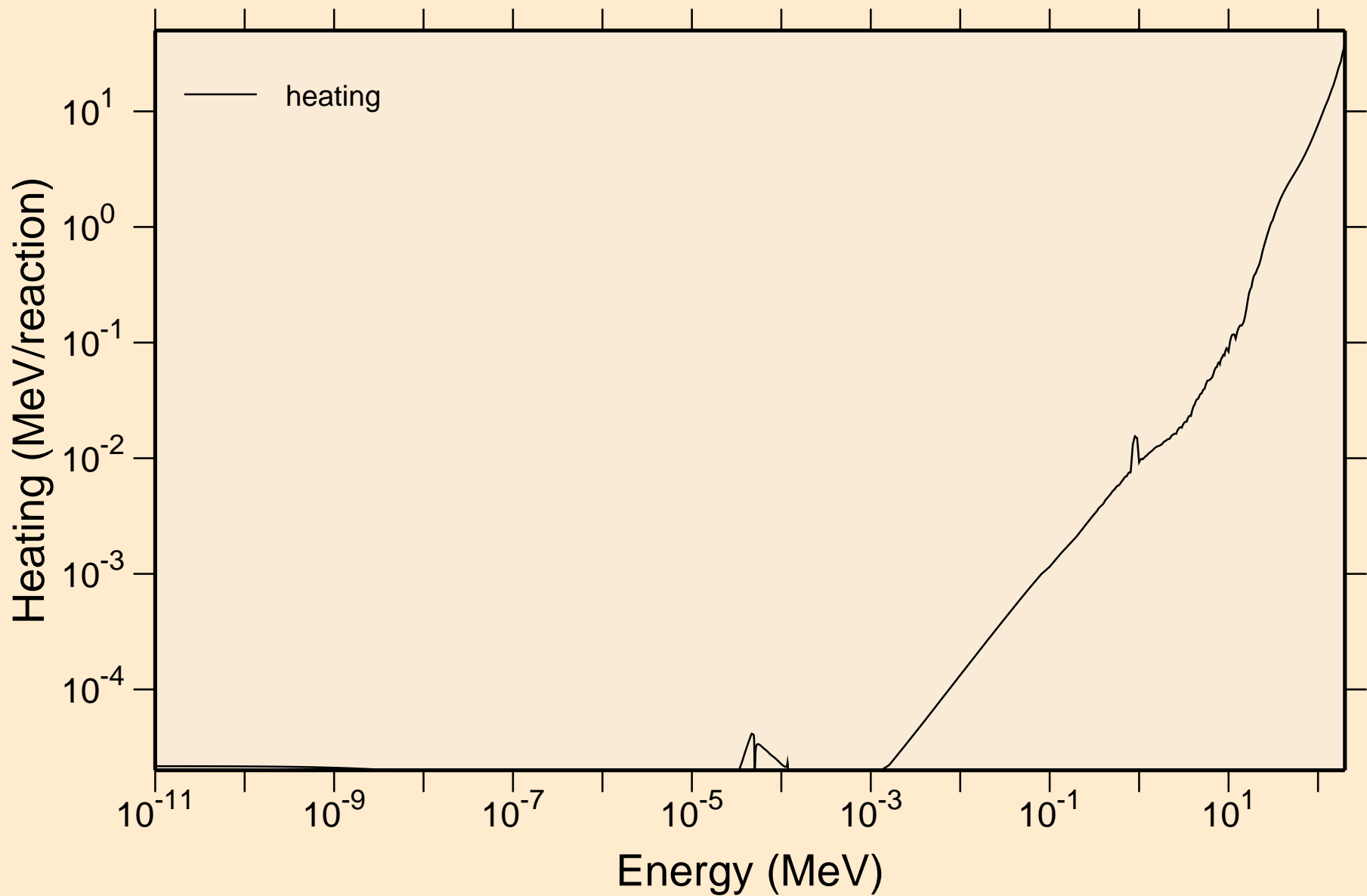
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



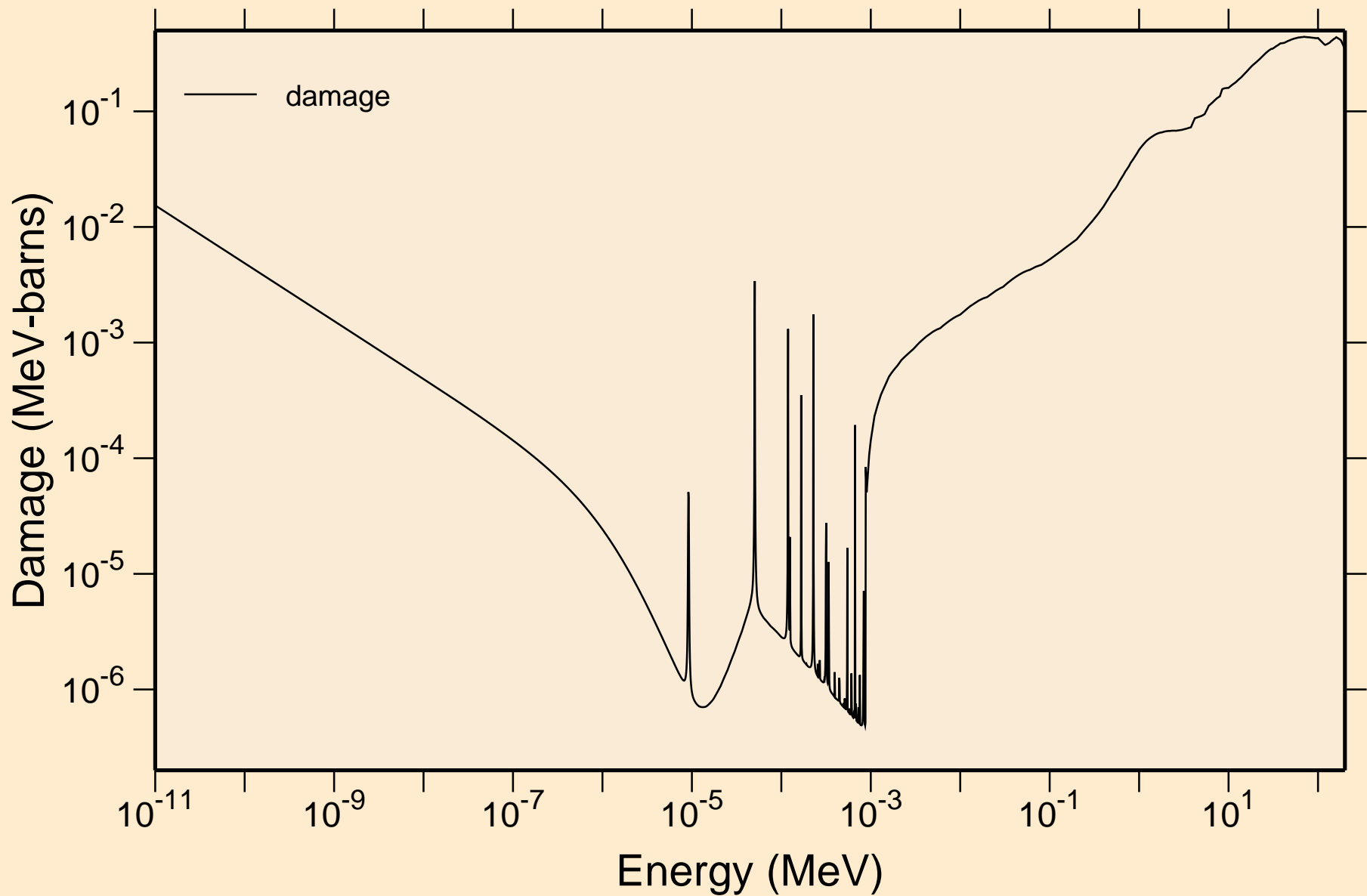
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resonance absorption cross sections



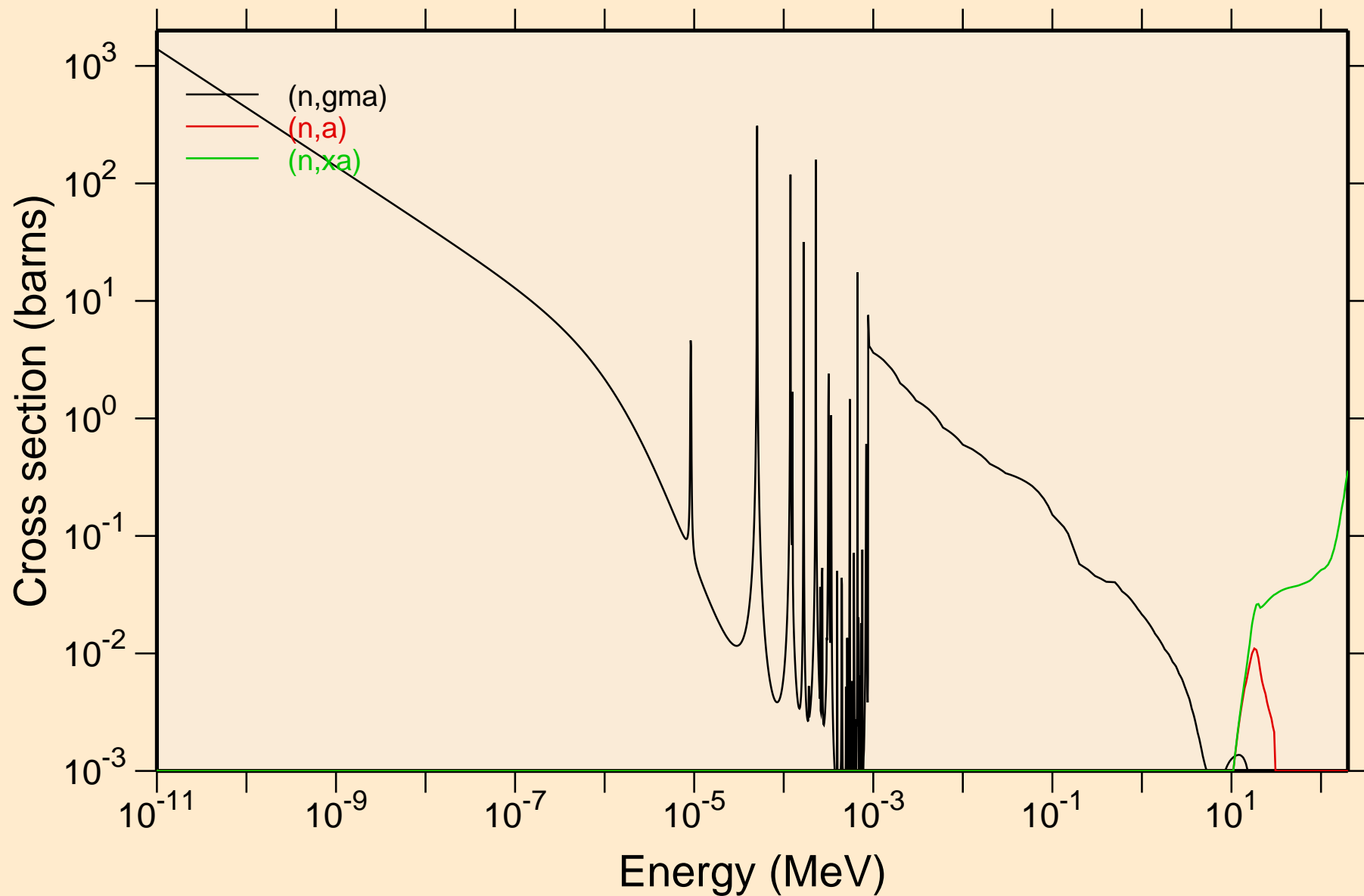
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



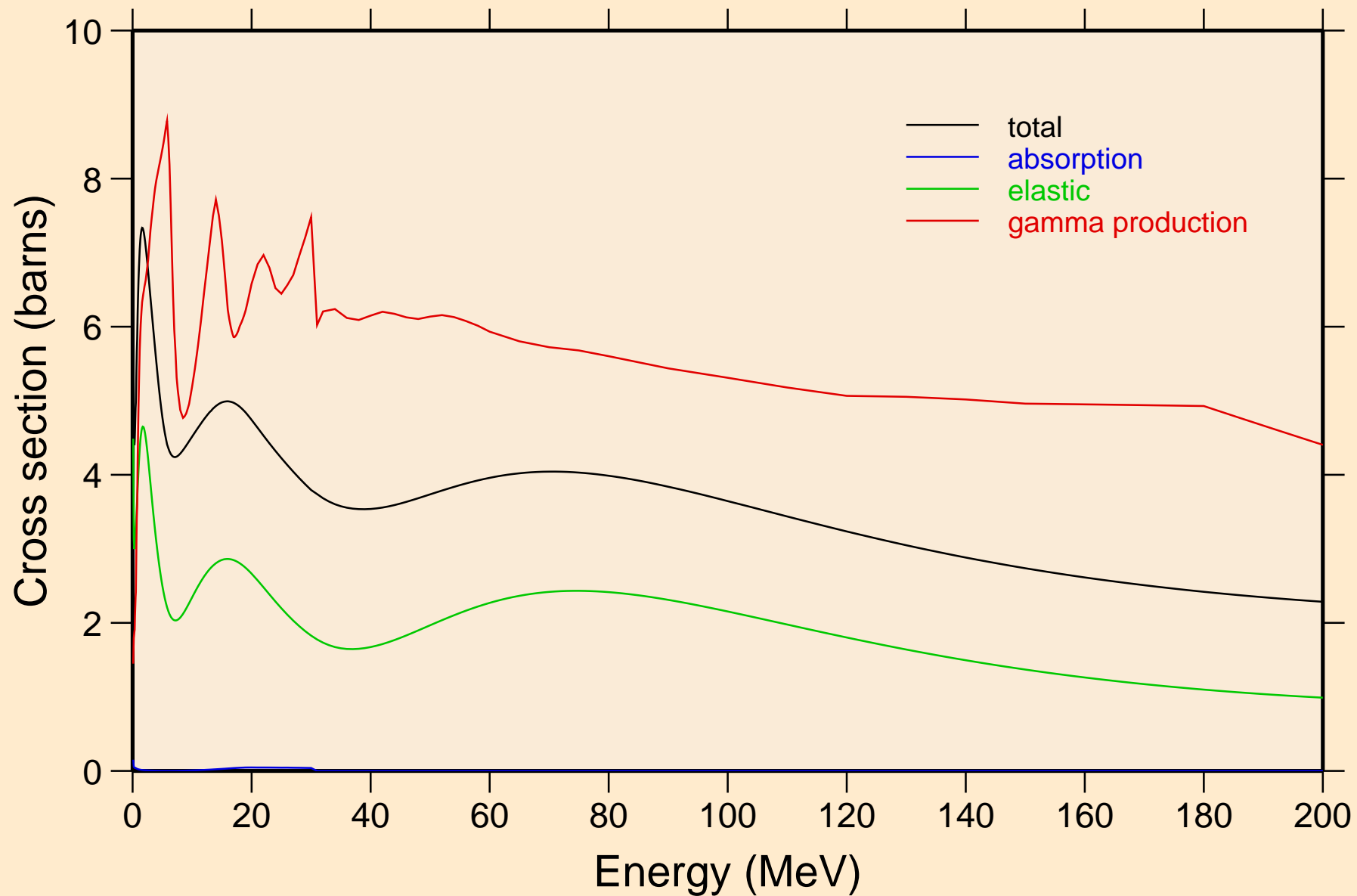
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



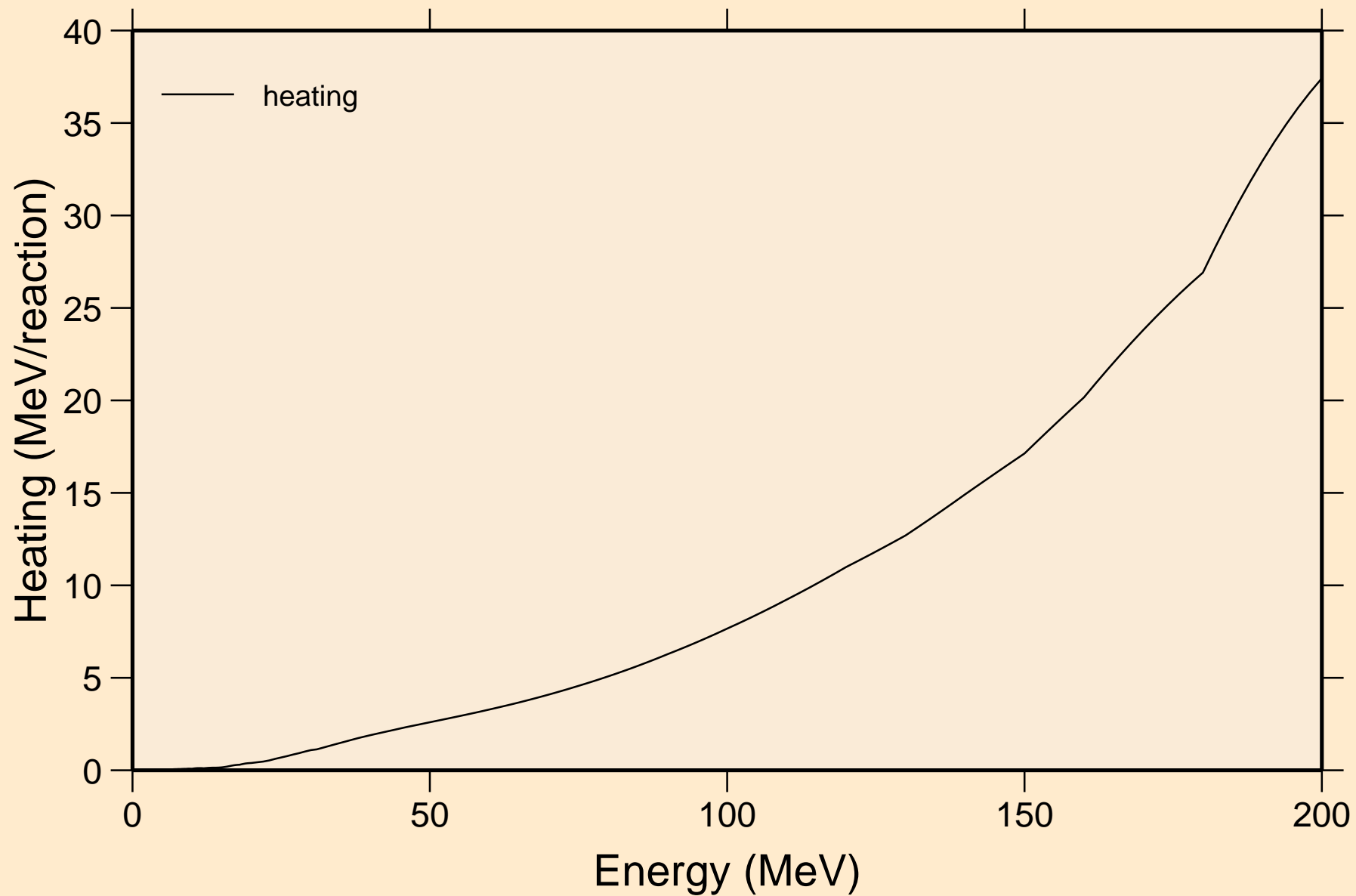
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



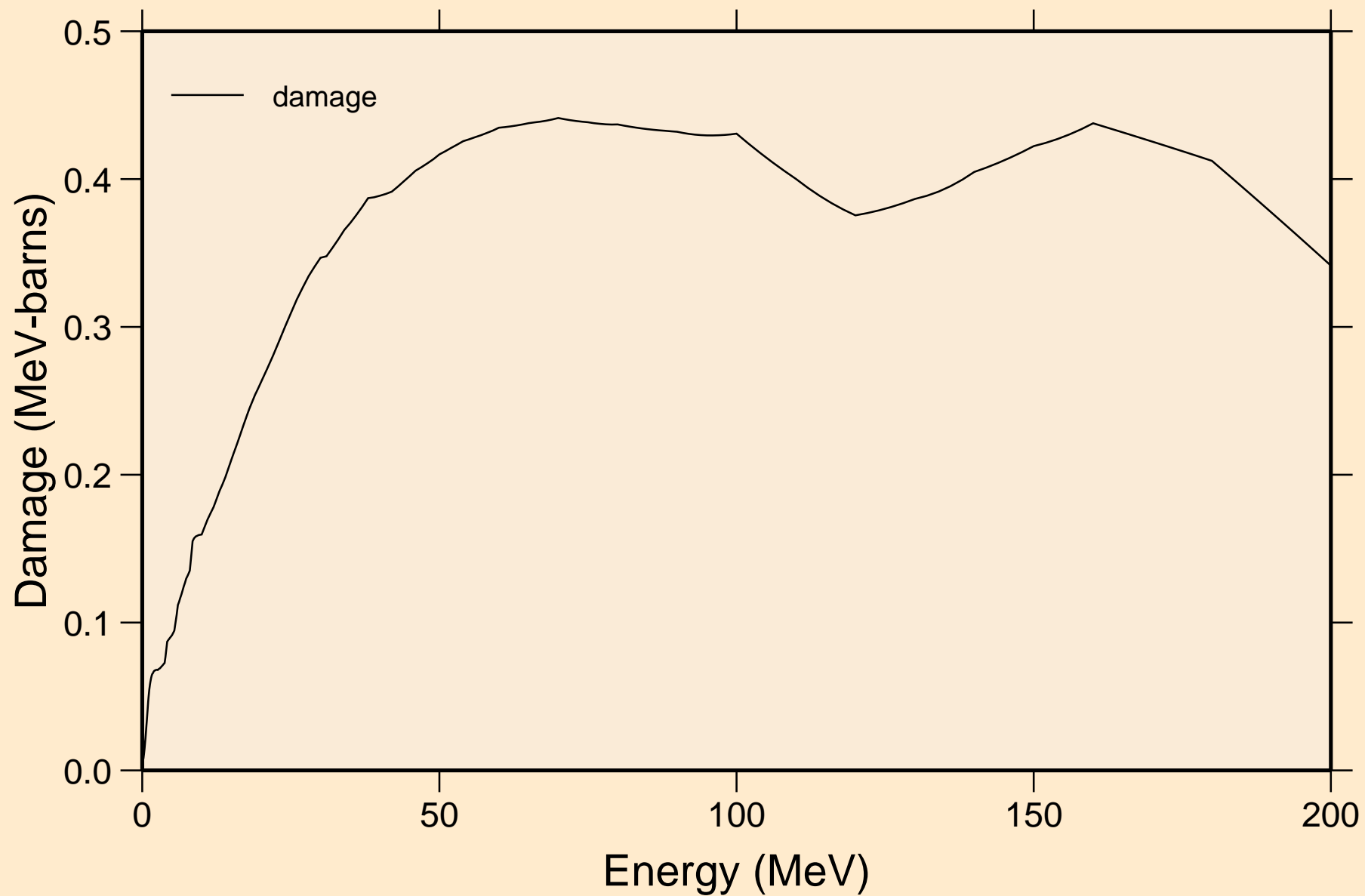
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Principal cross sections



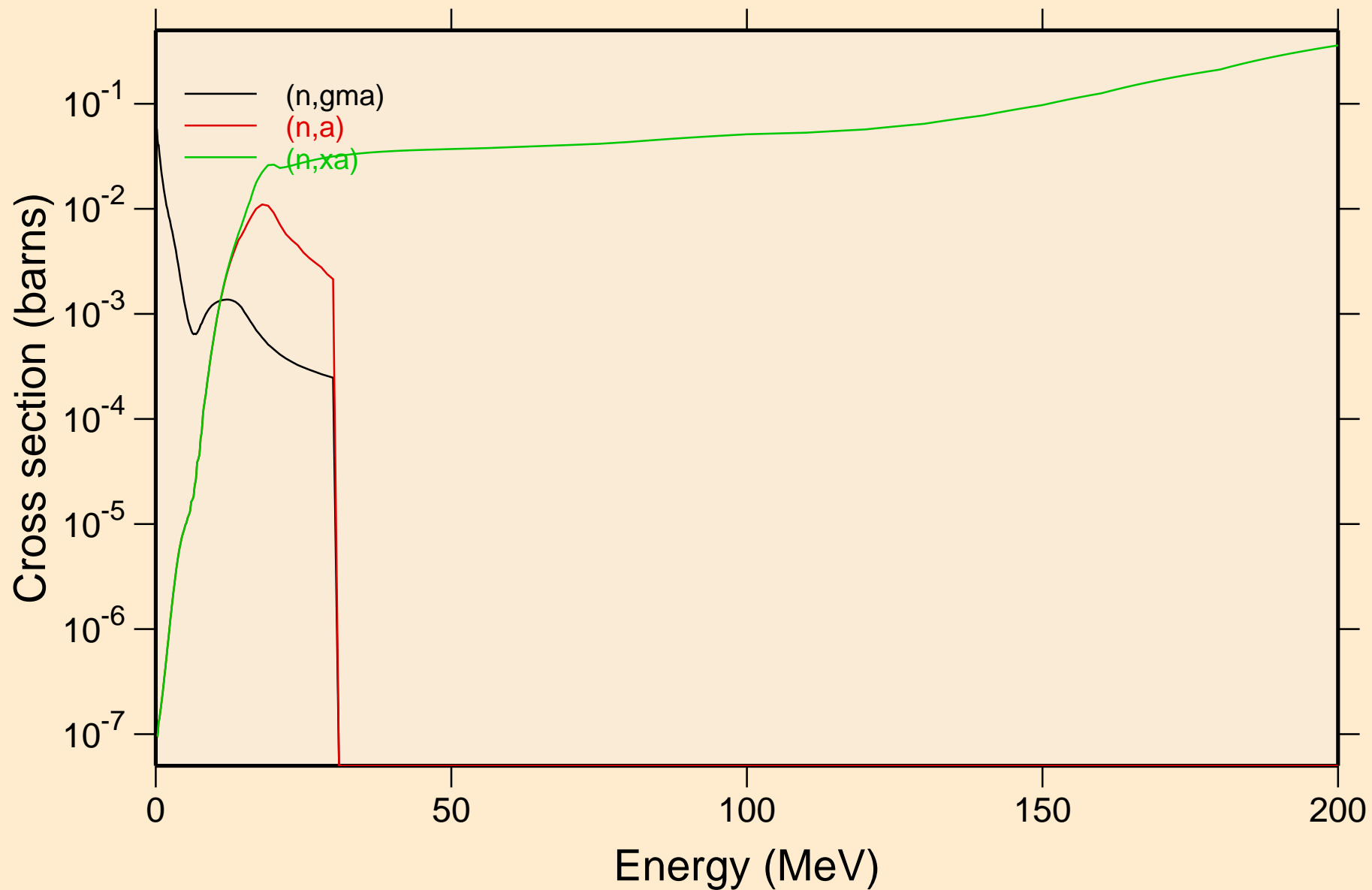
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



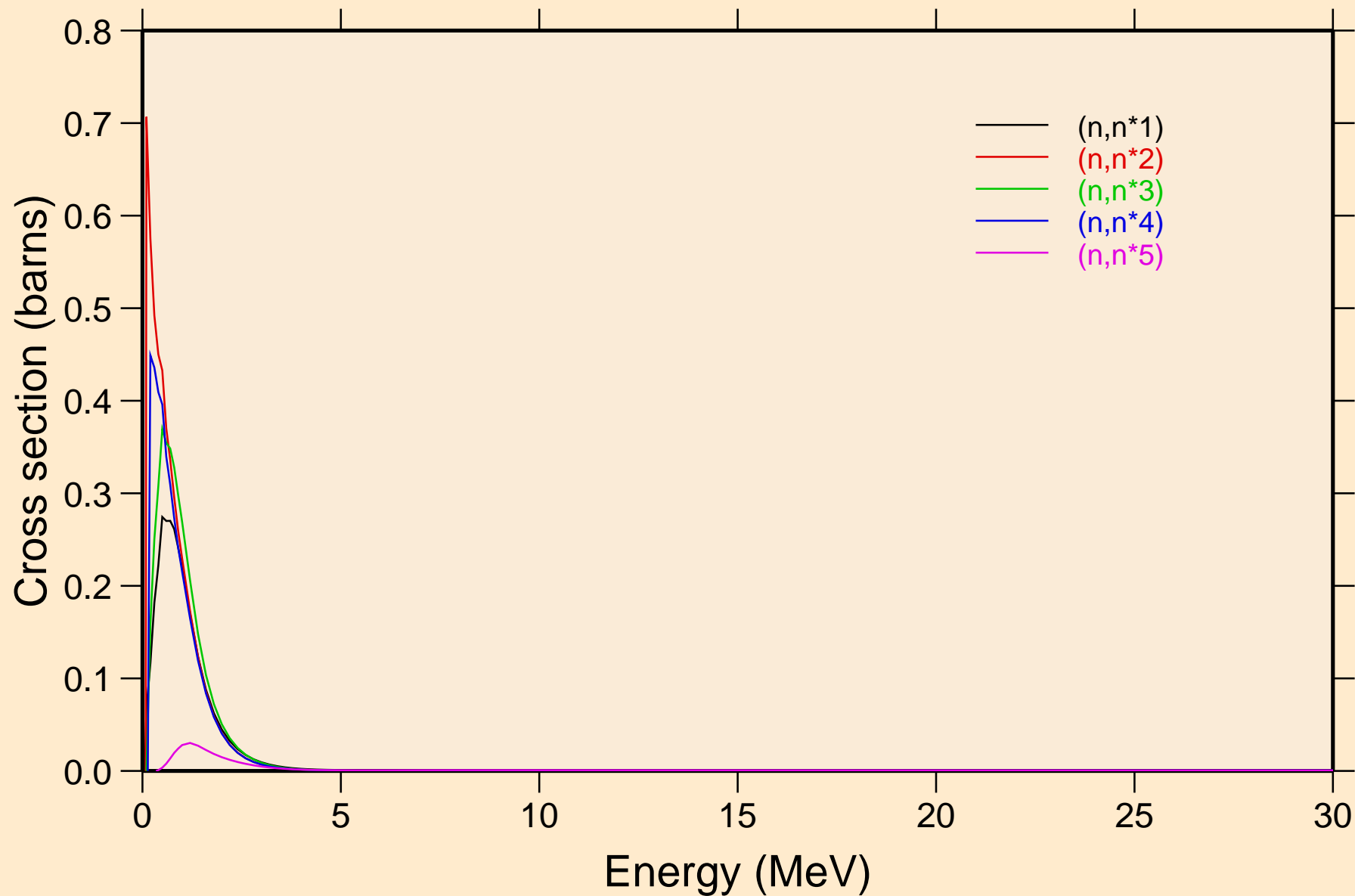
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



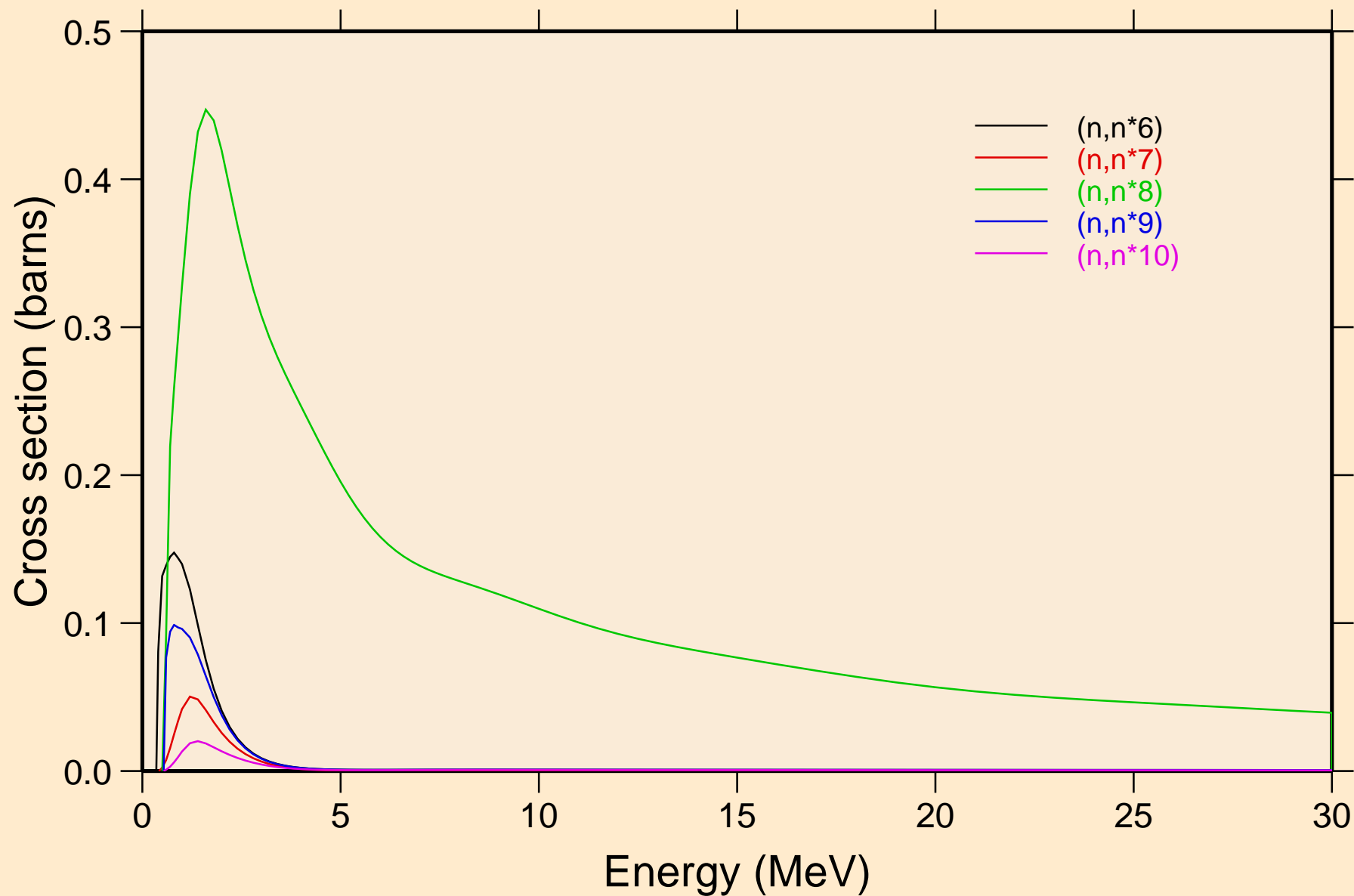
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



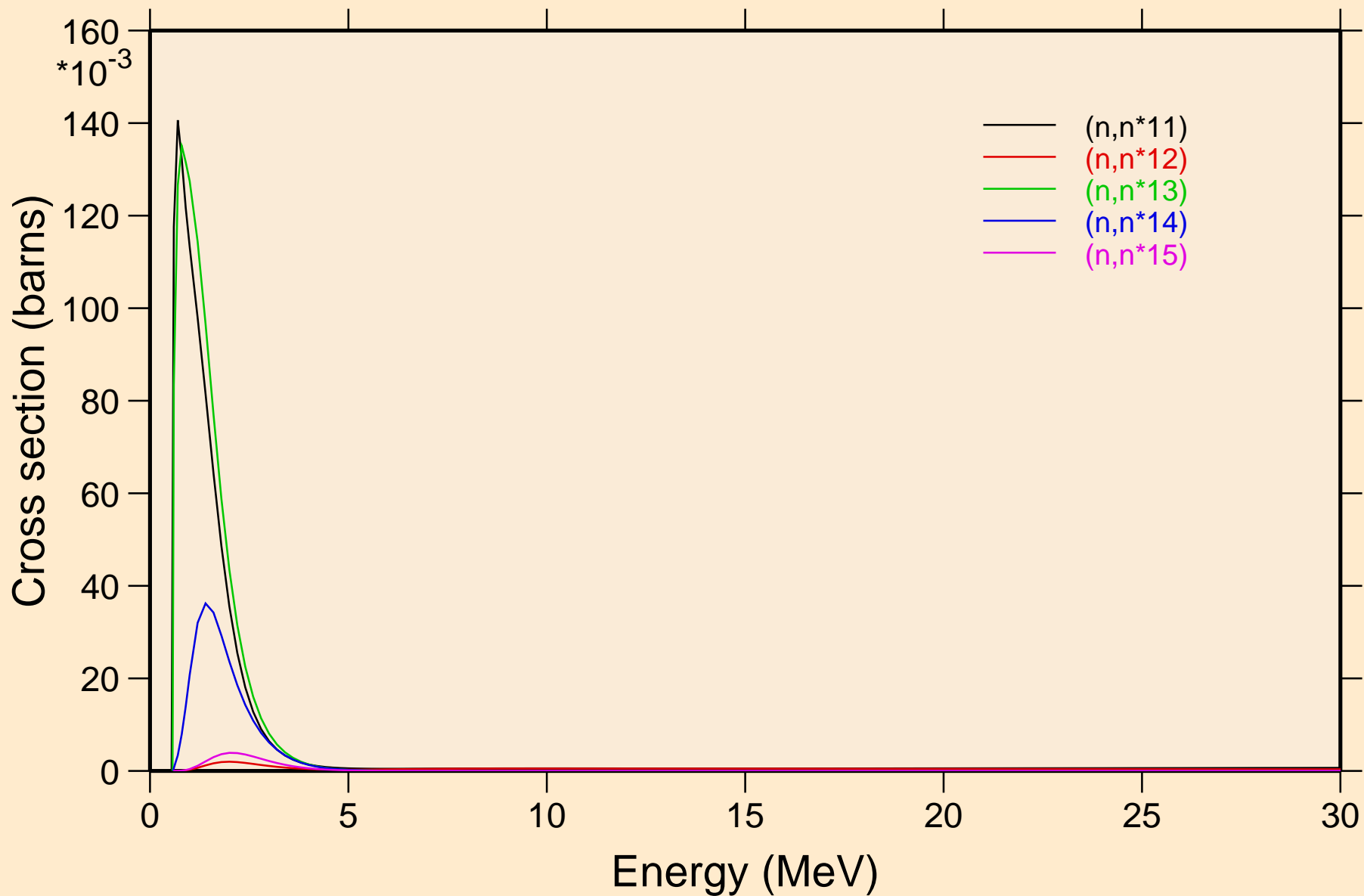
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



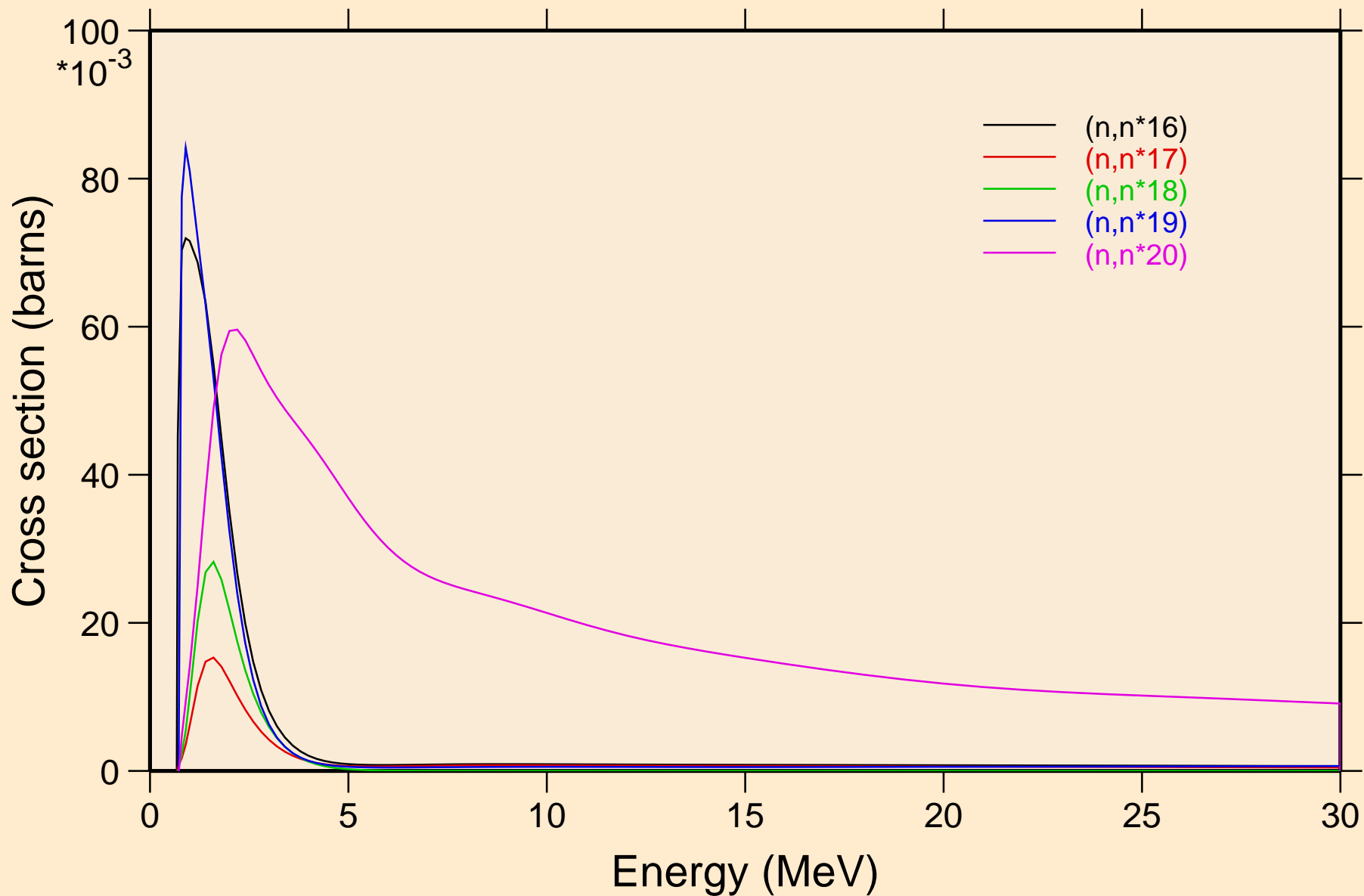
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



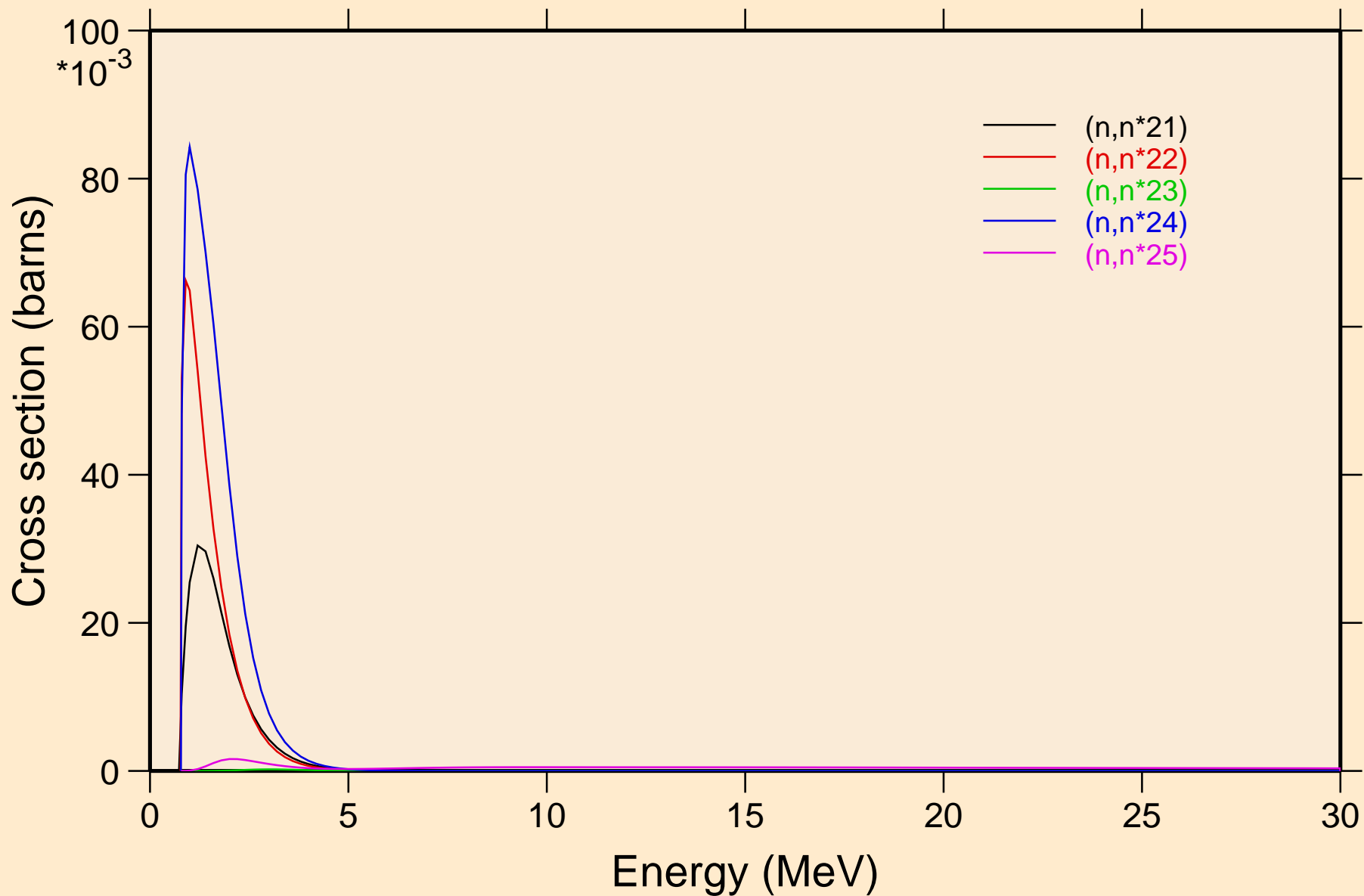
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



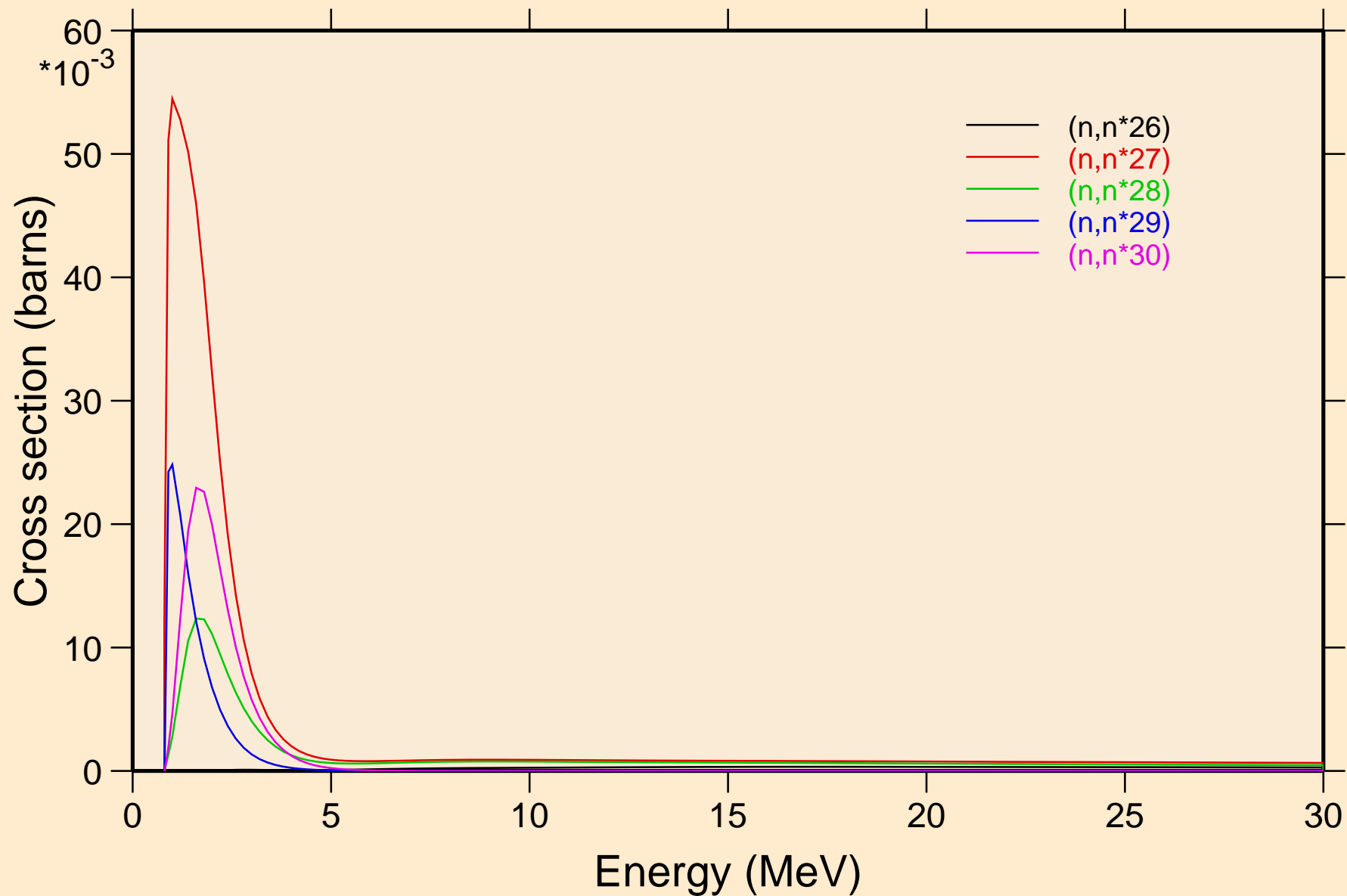
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



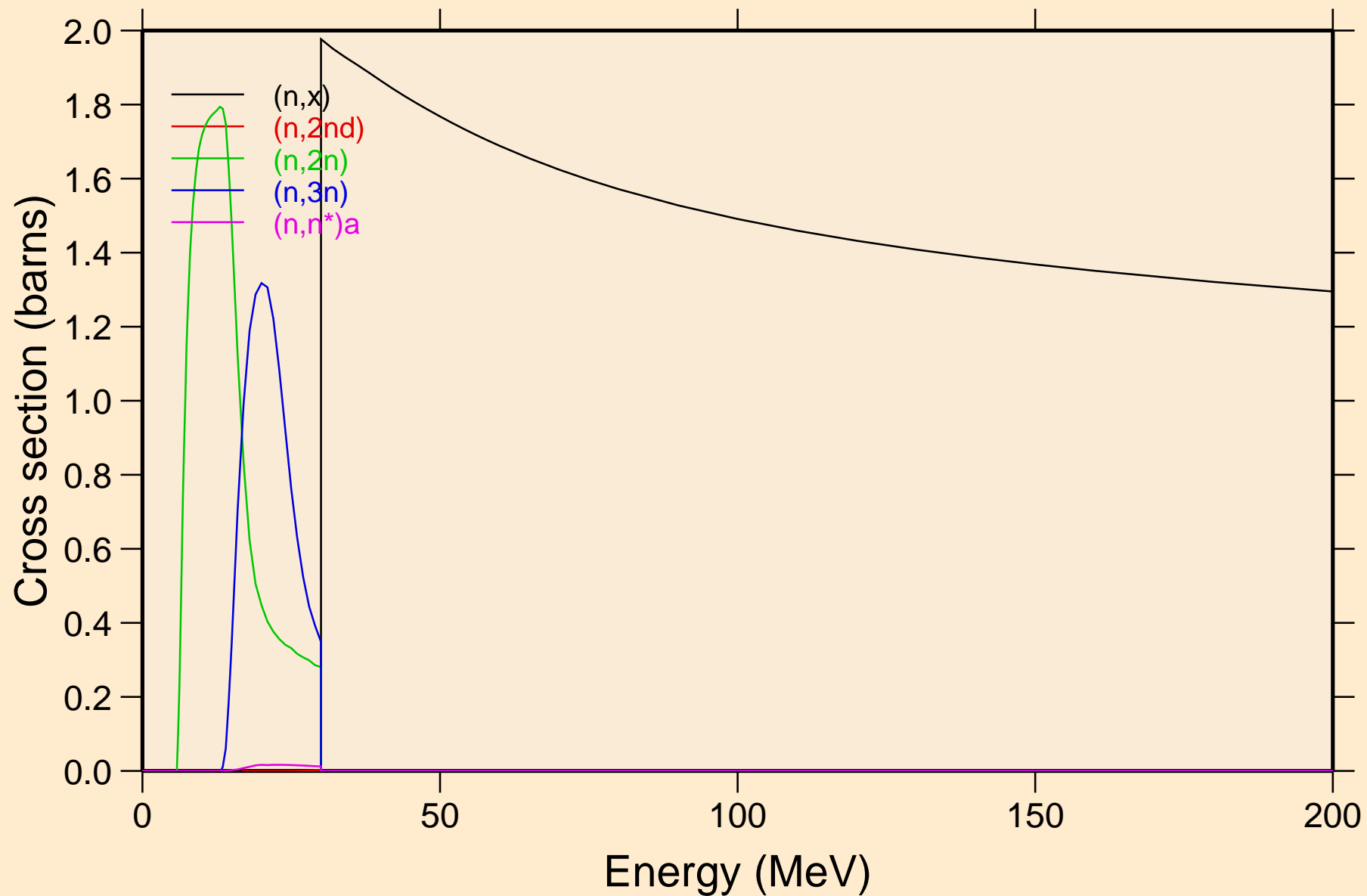
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



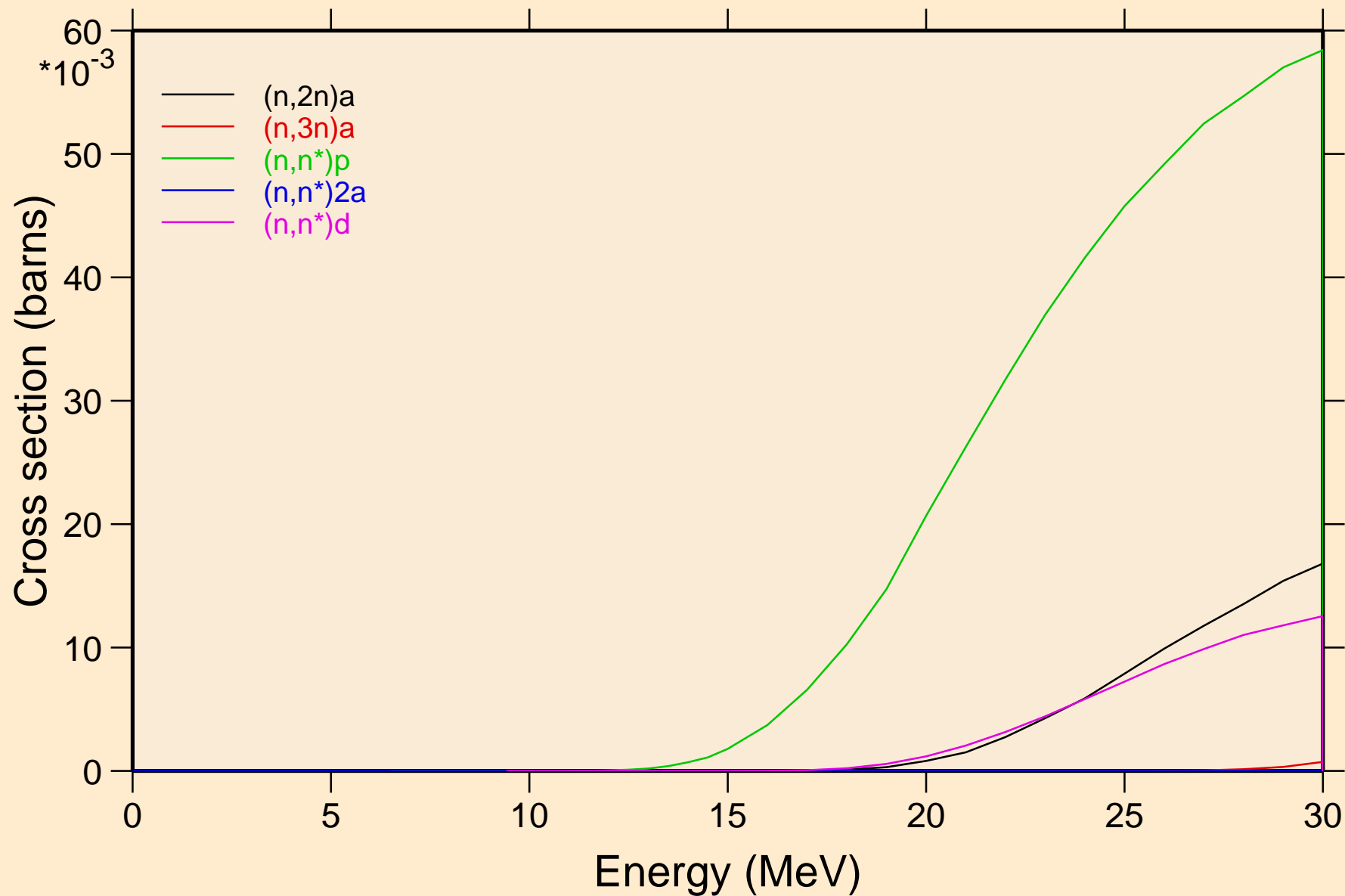
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



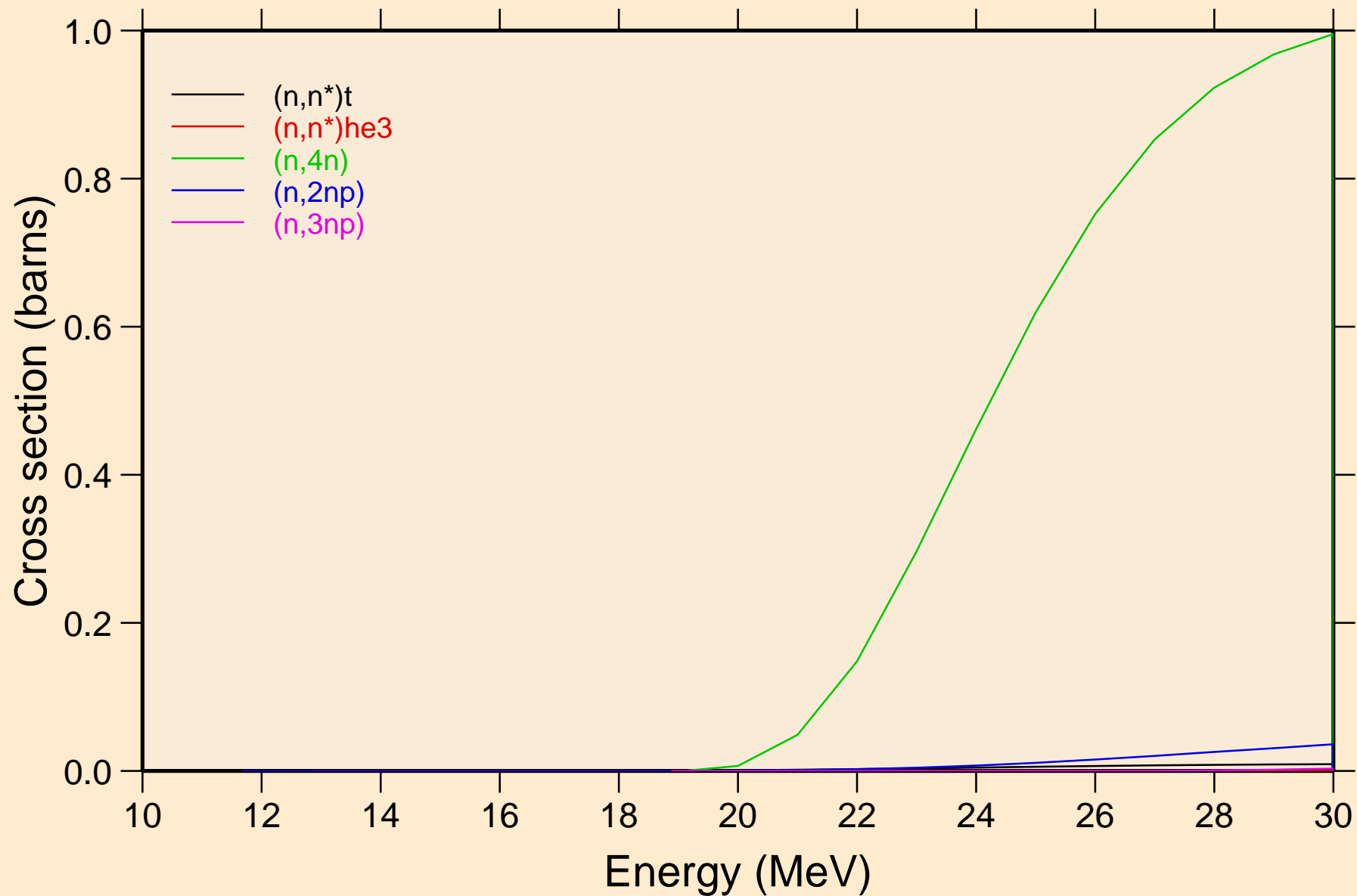
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



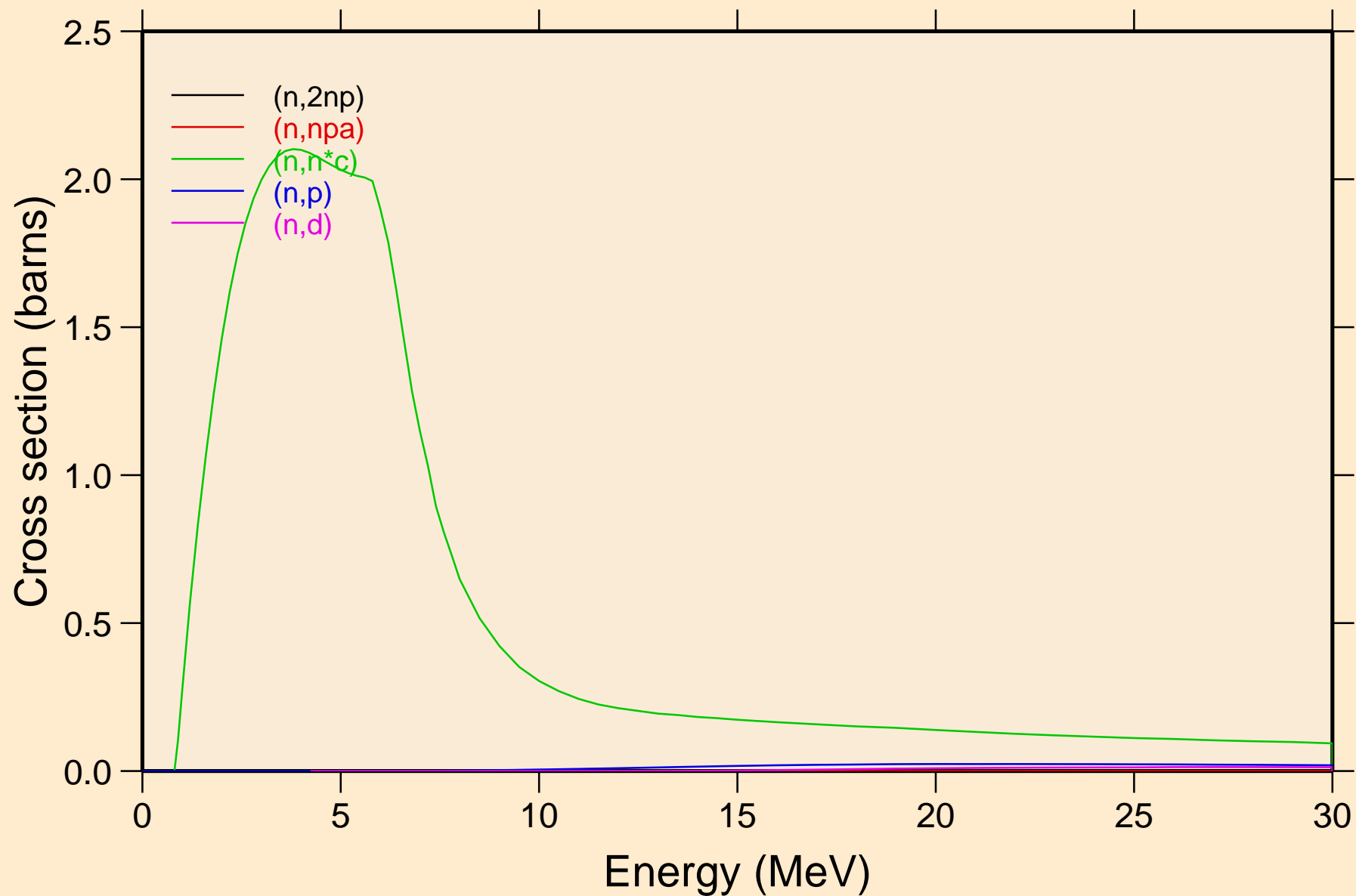
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



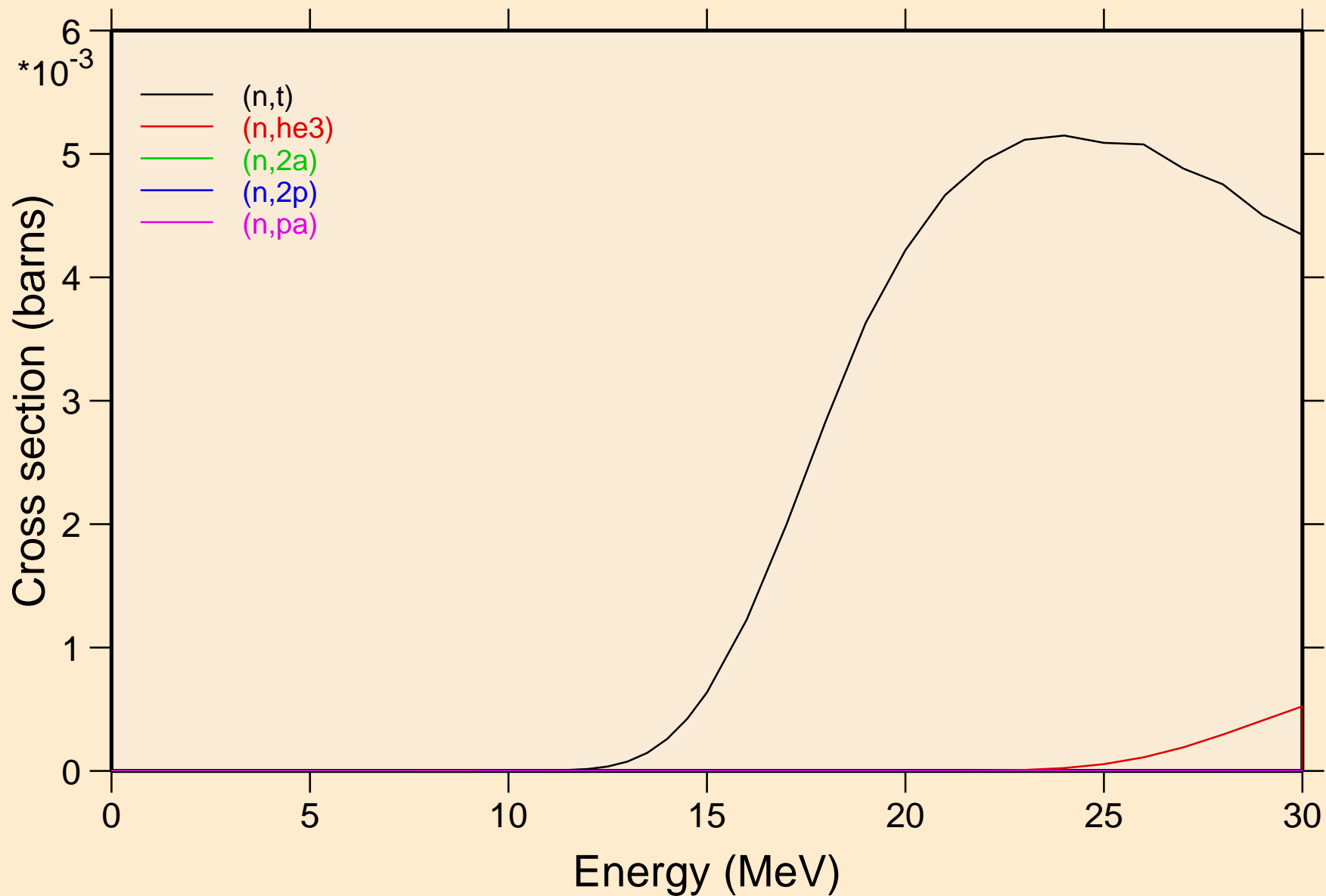
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



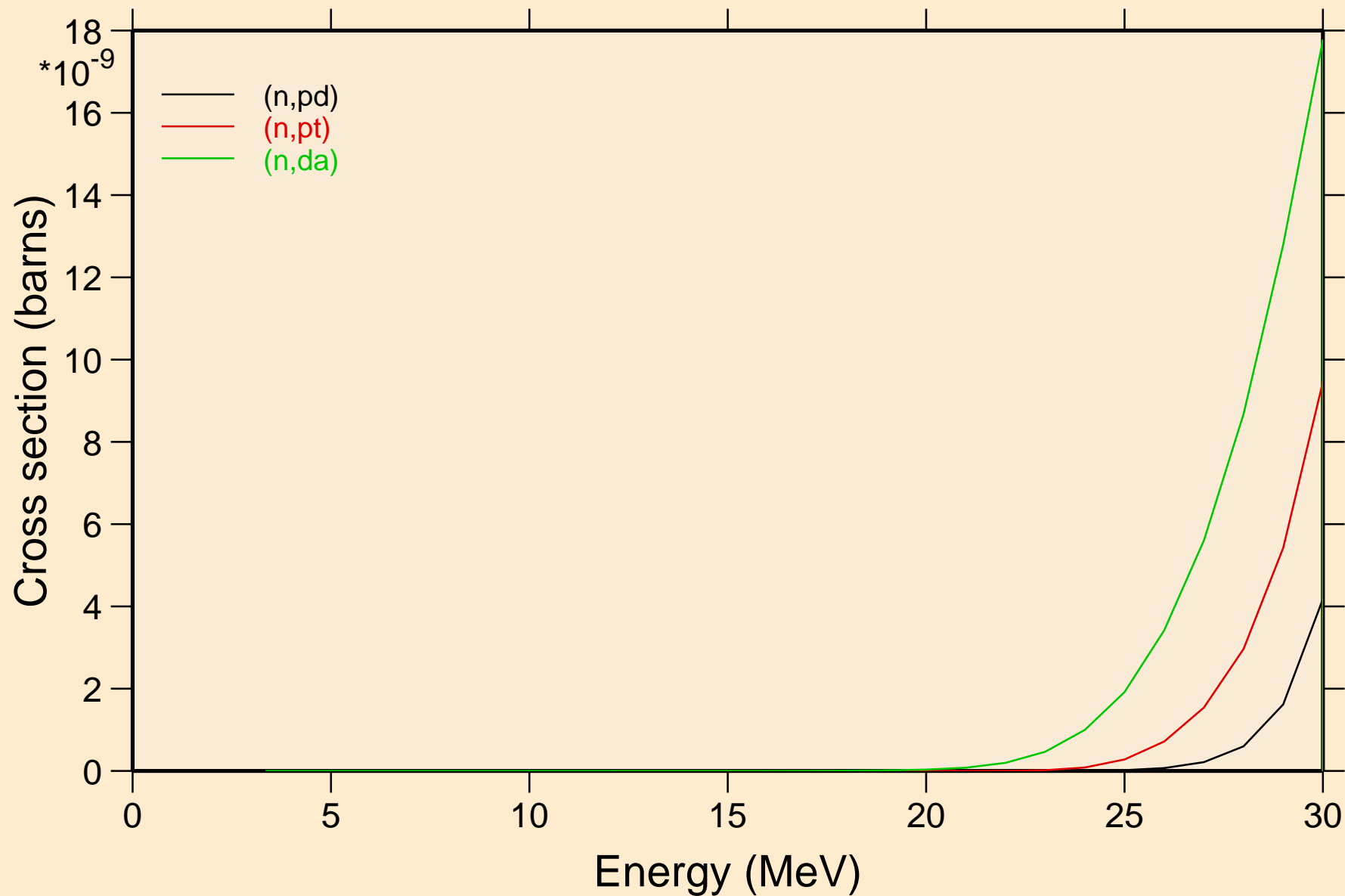
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



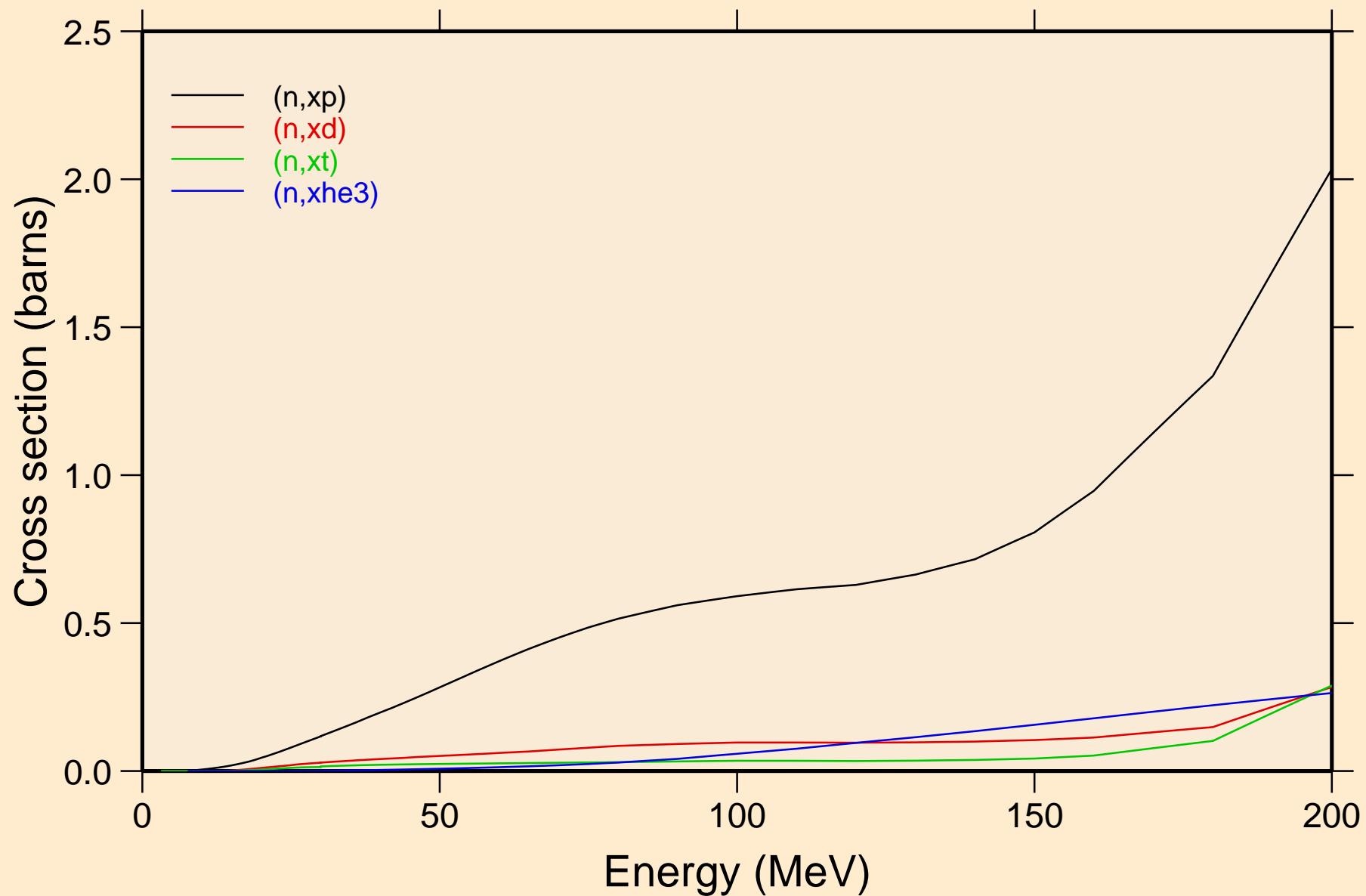
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



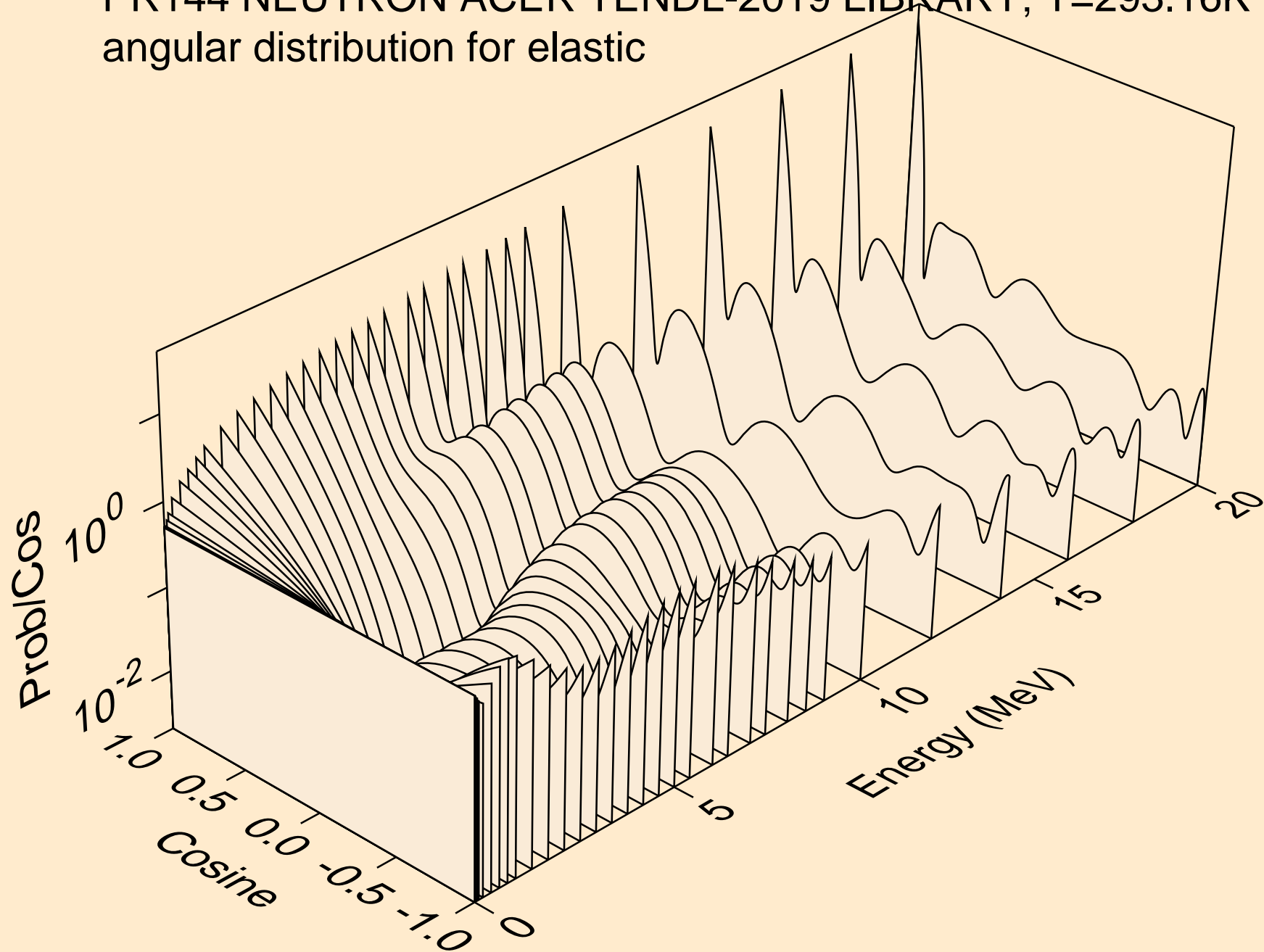
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



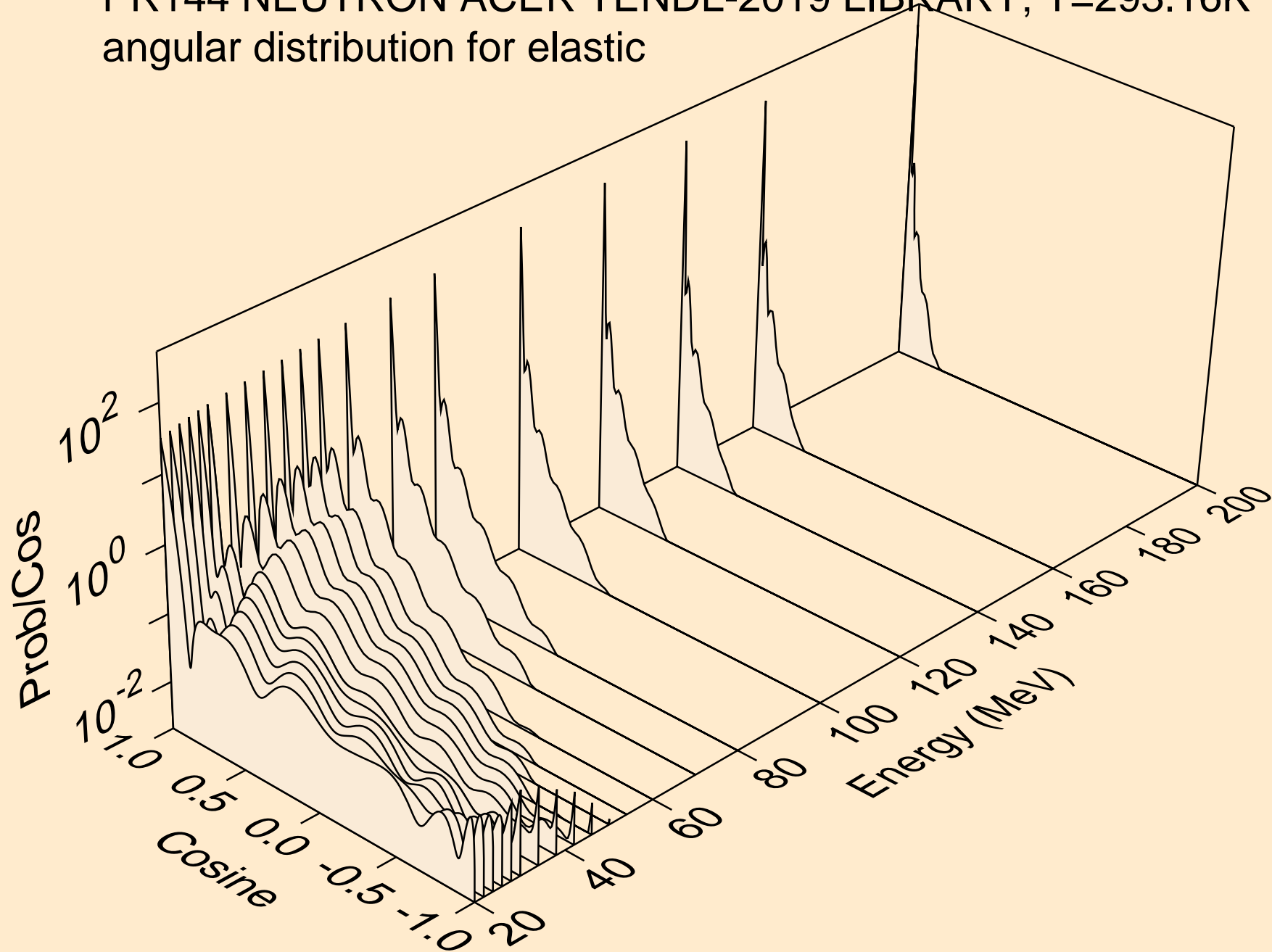
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



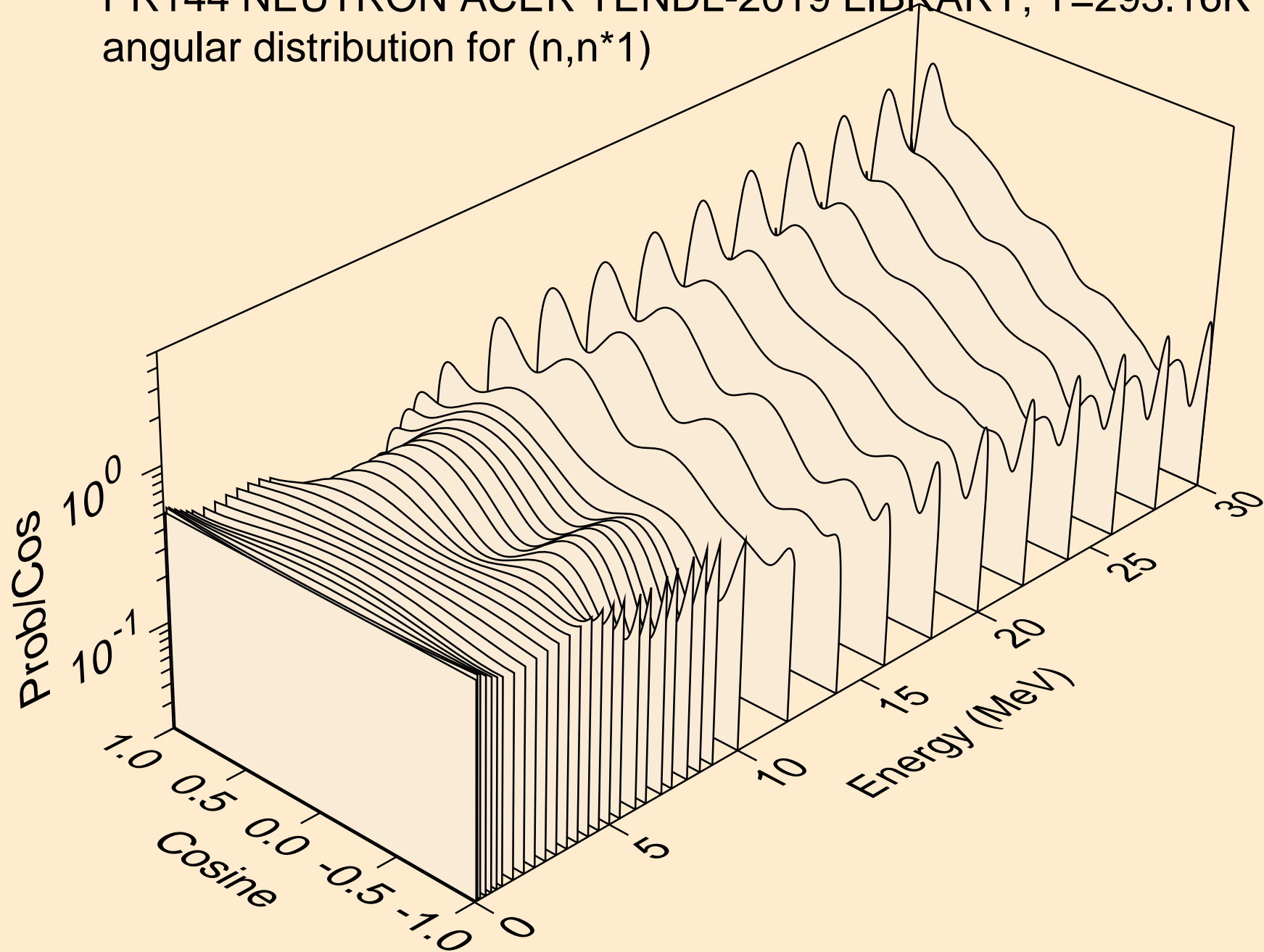
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



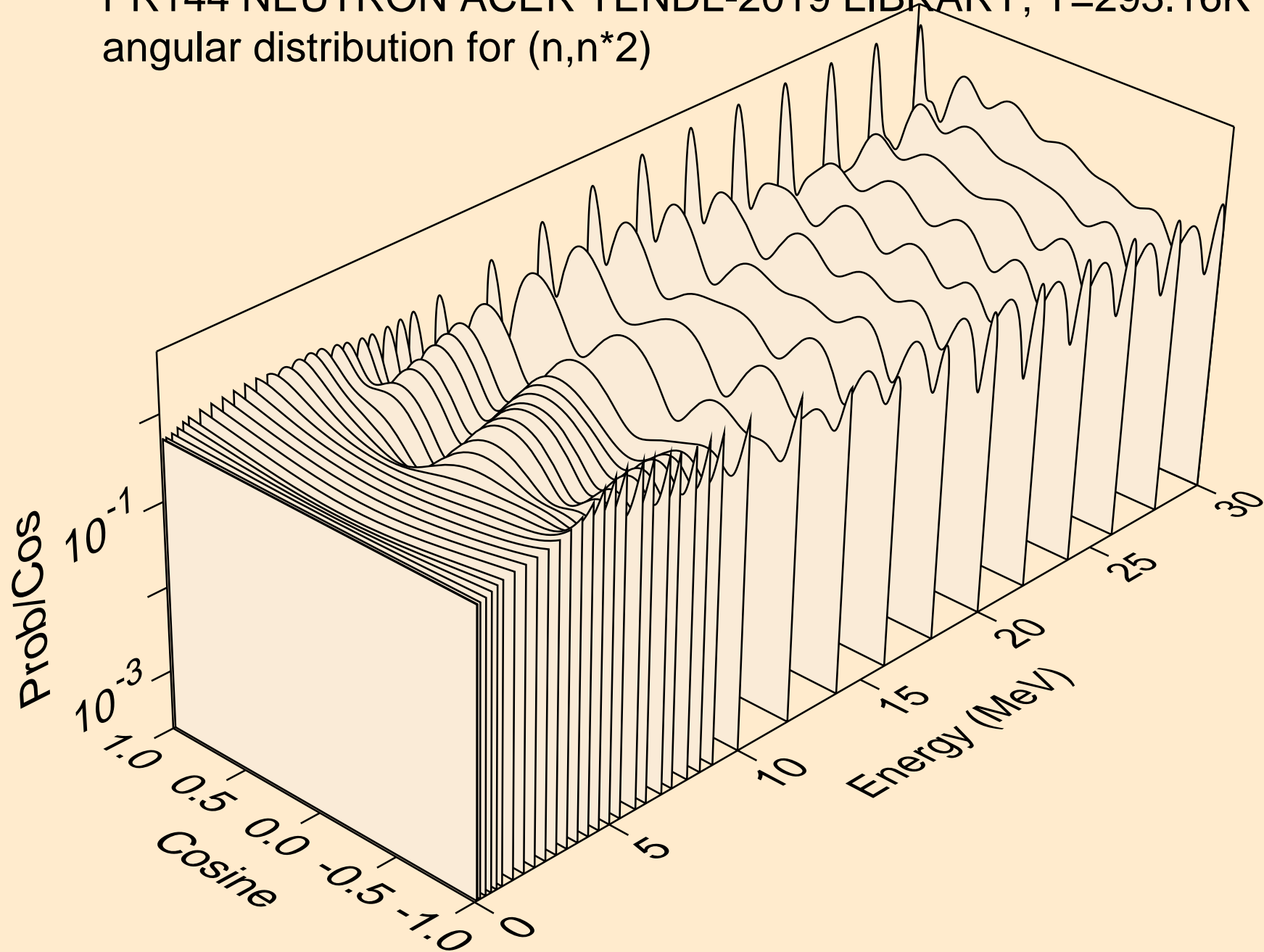
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



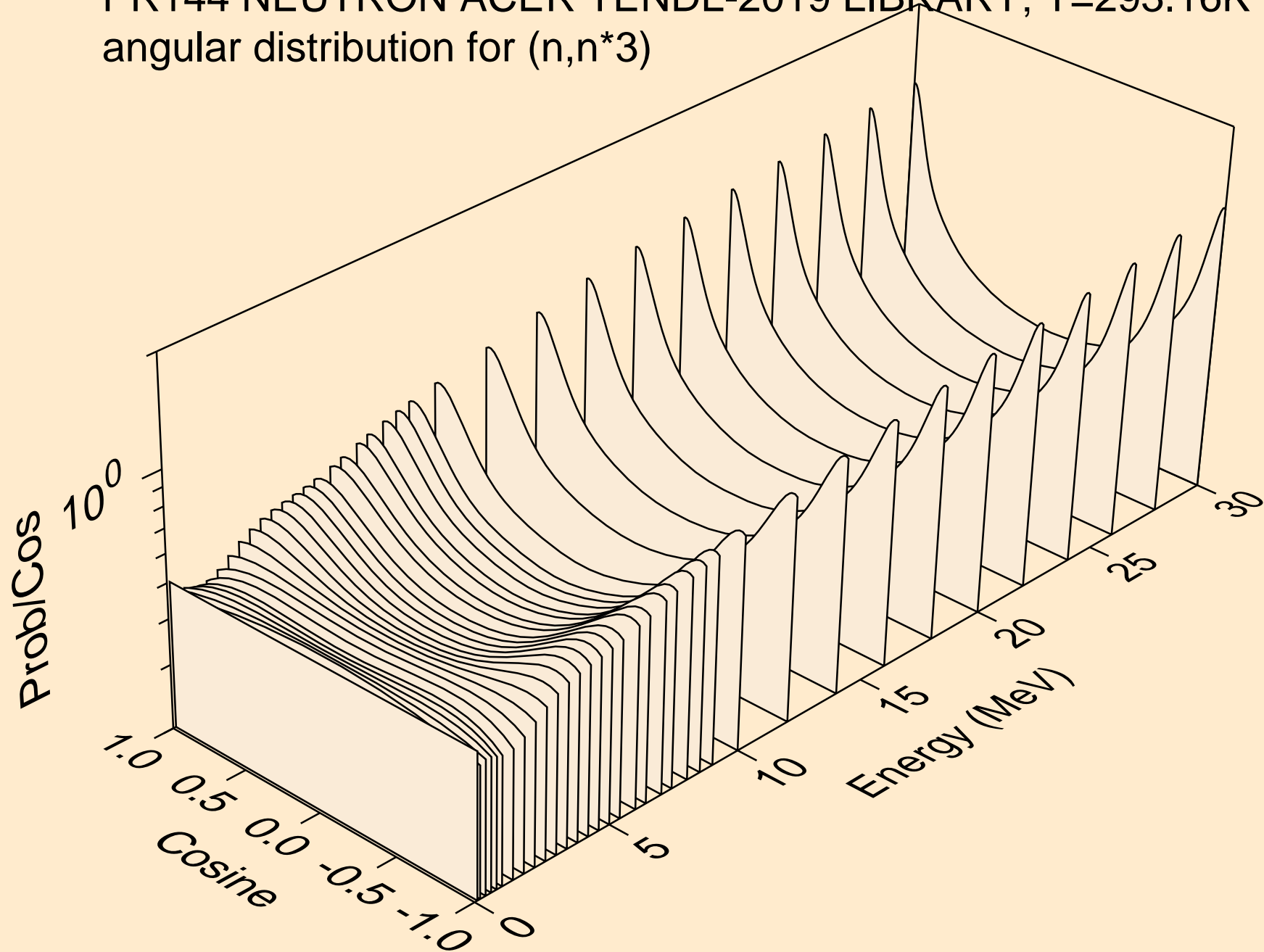
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



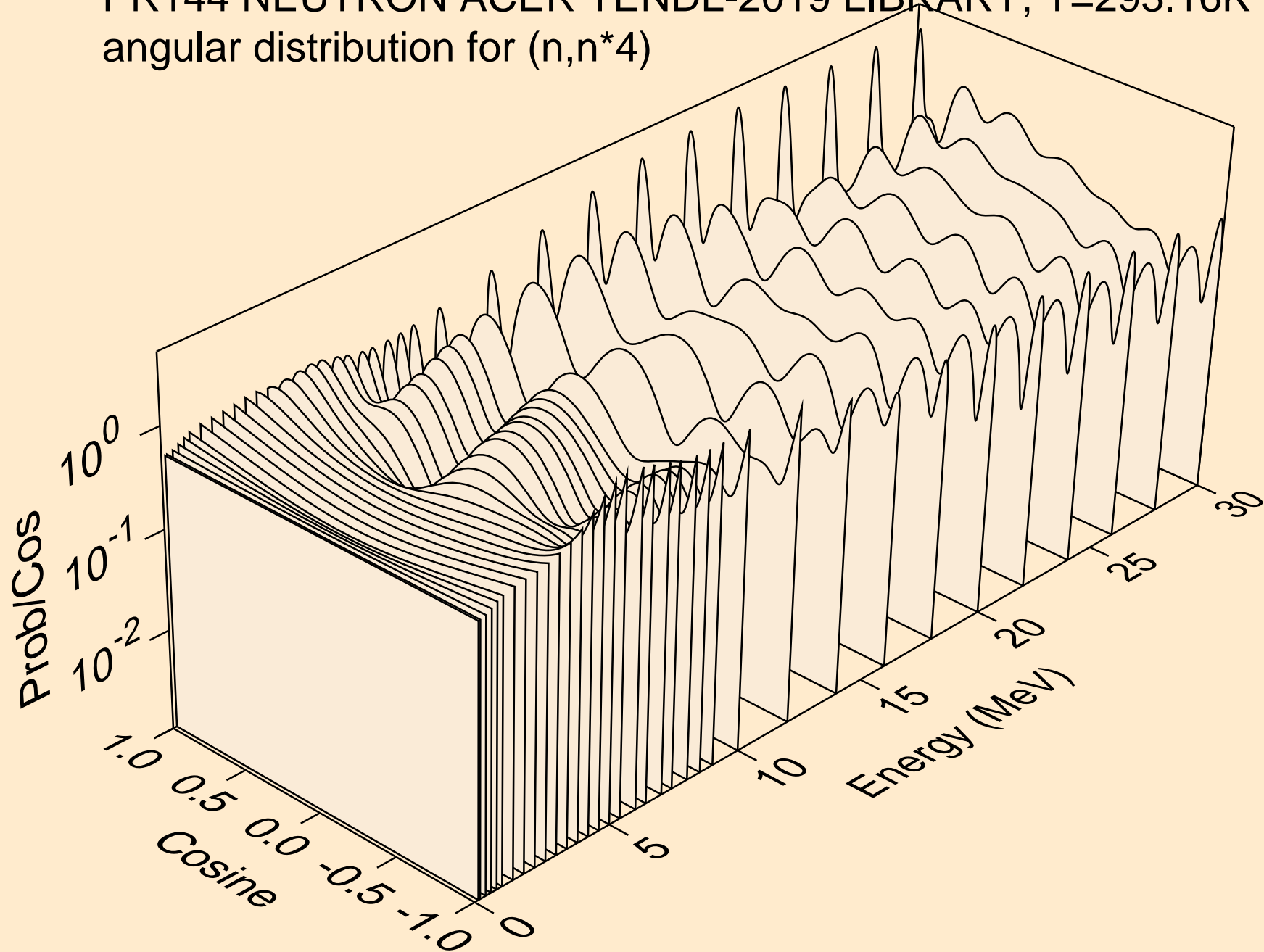
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



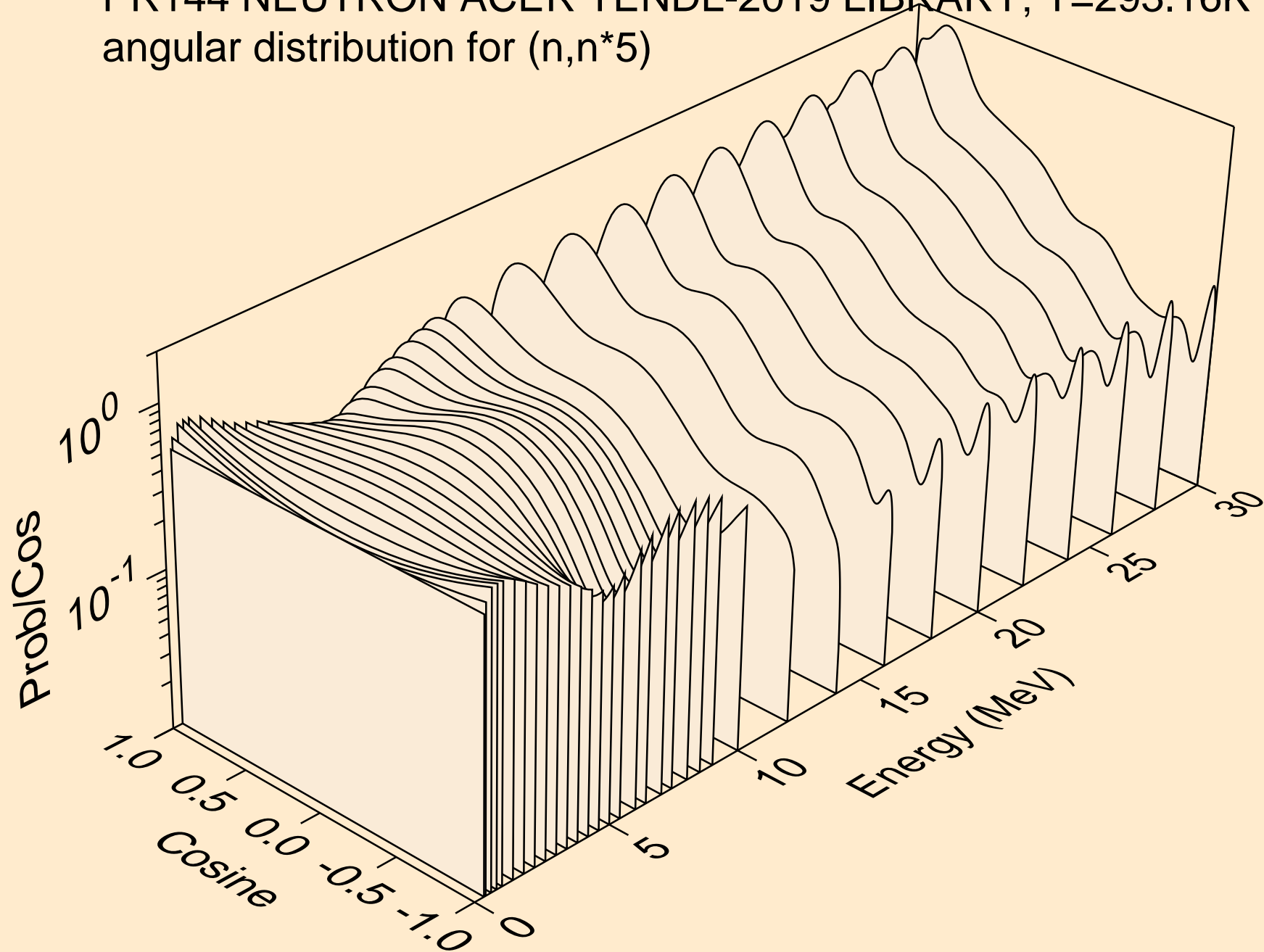
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



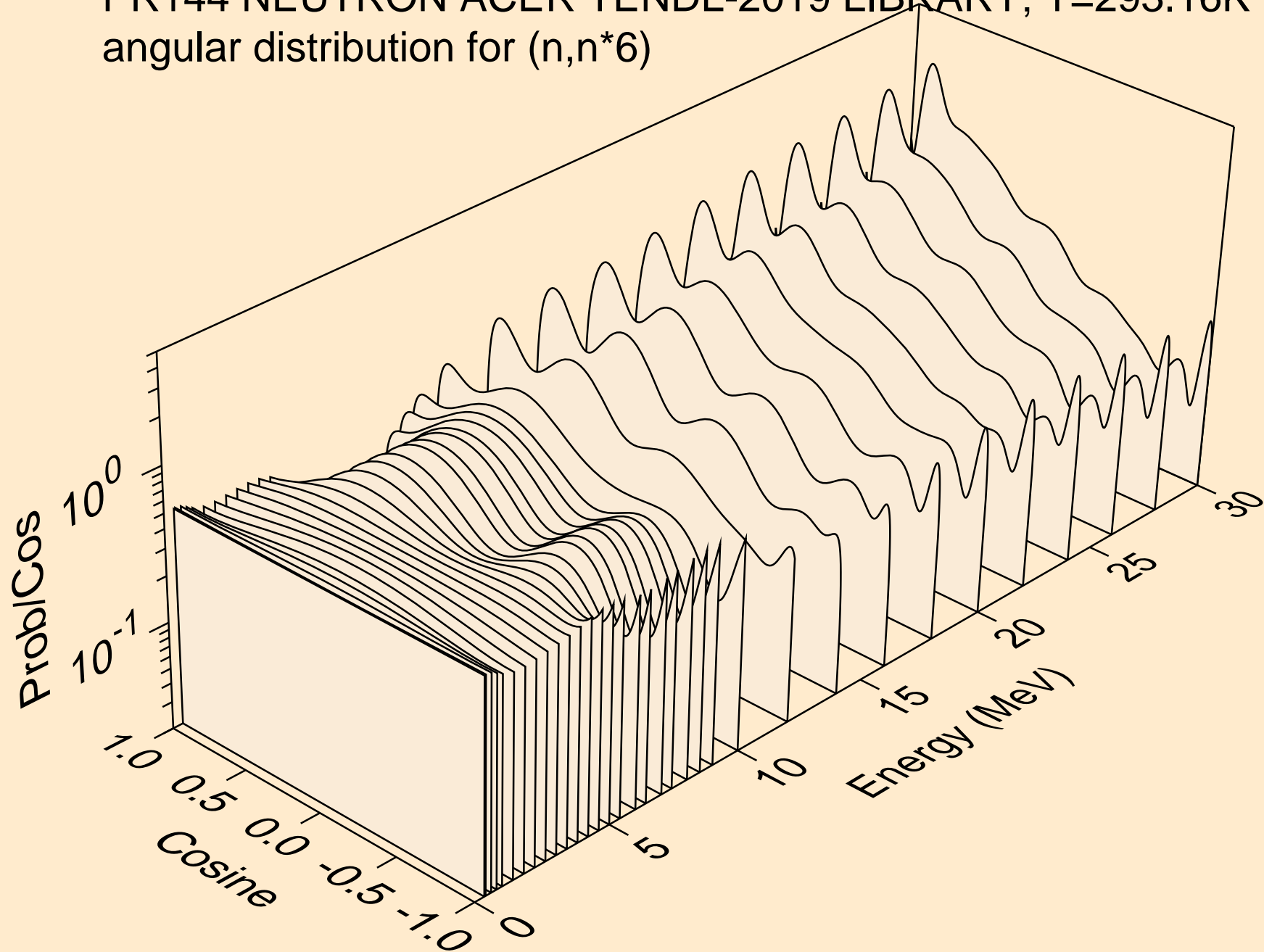
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



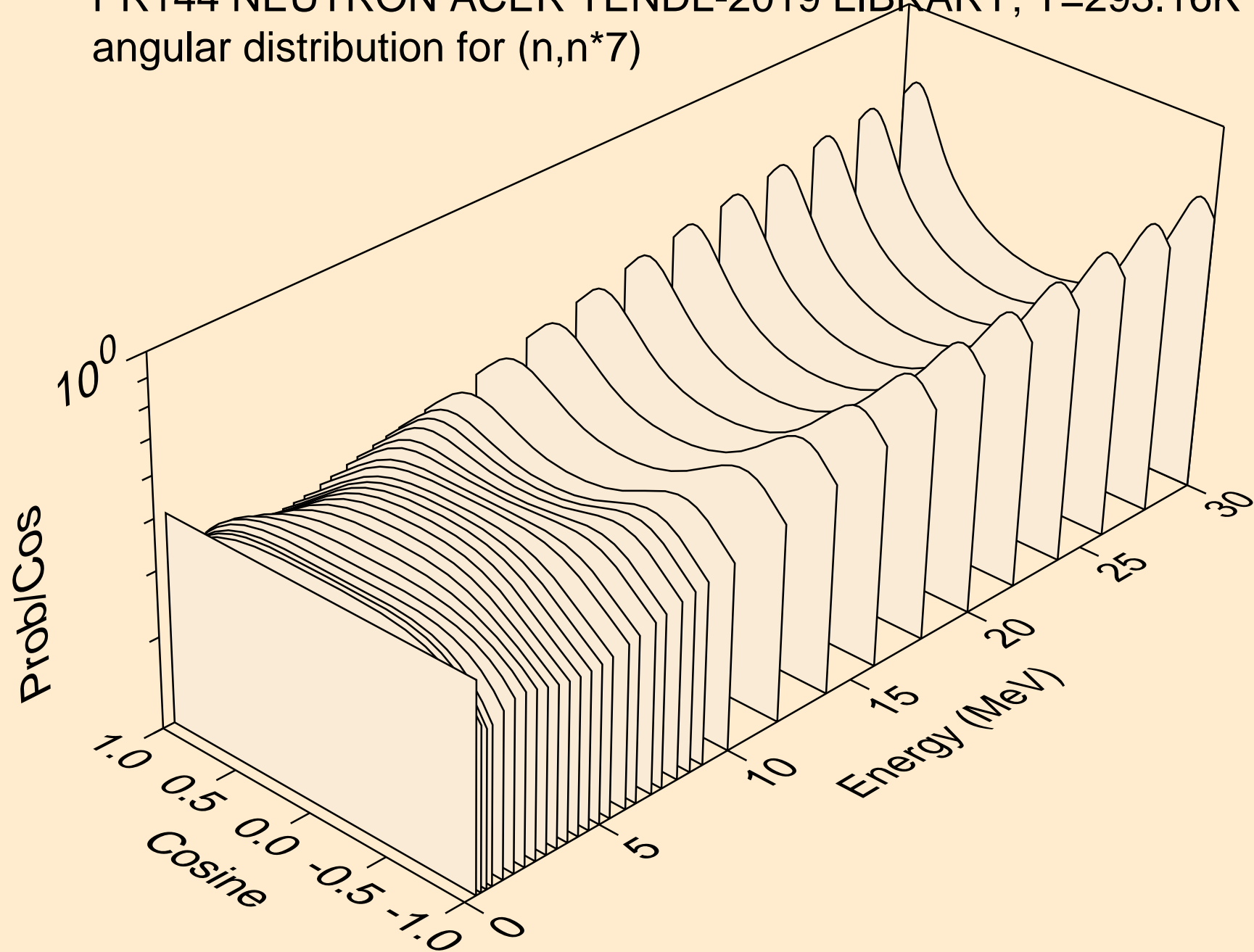
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



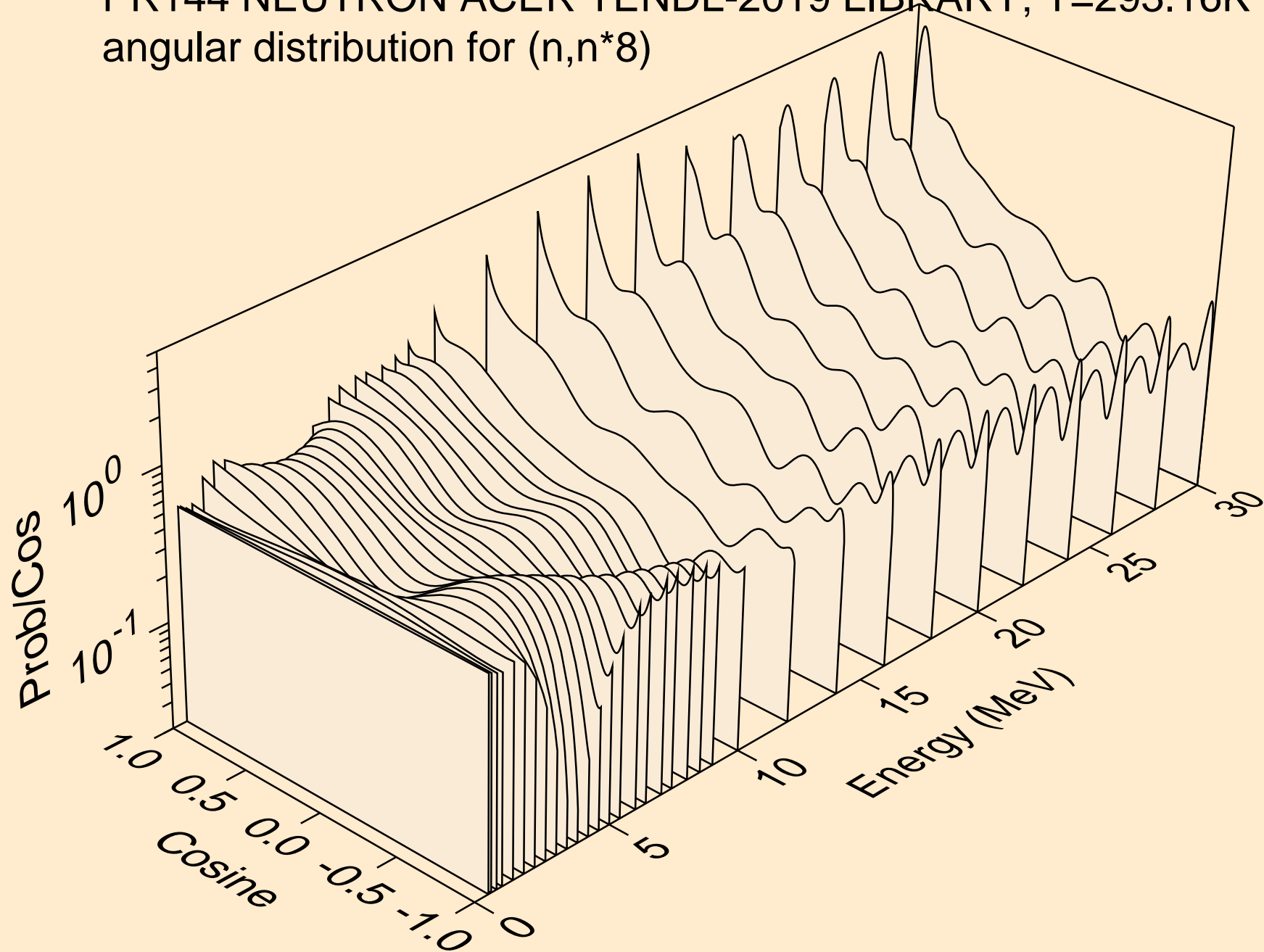
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



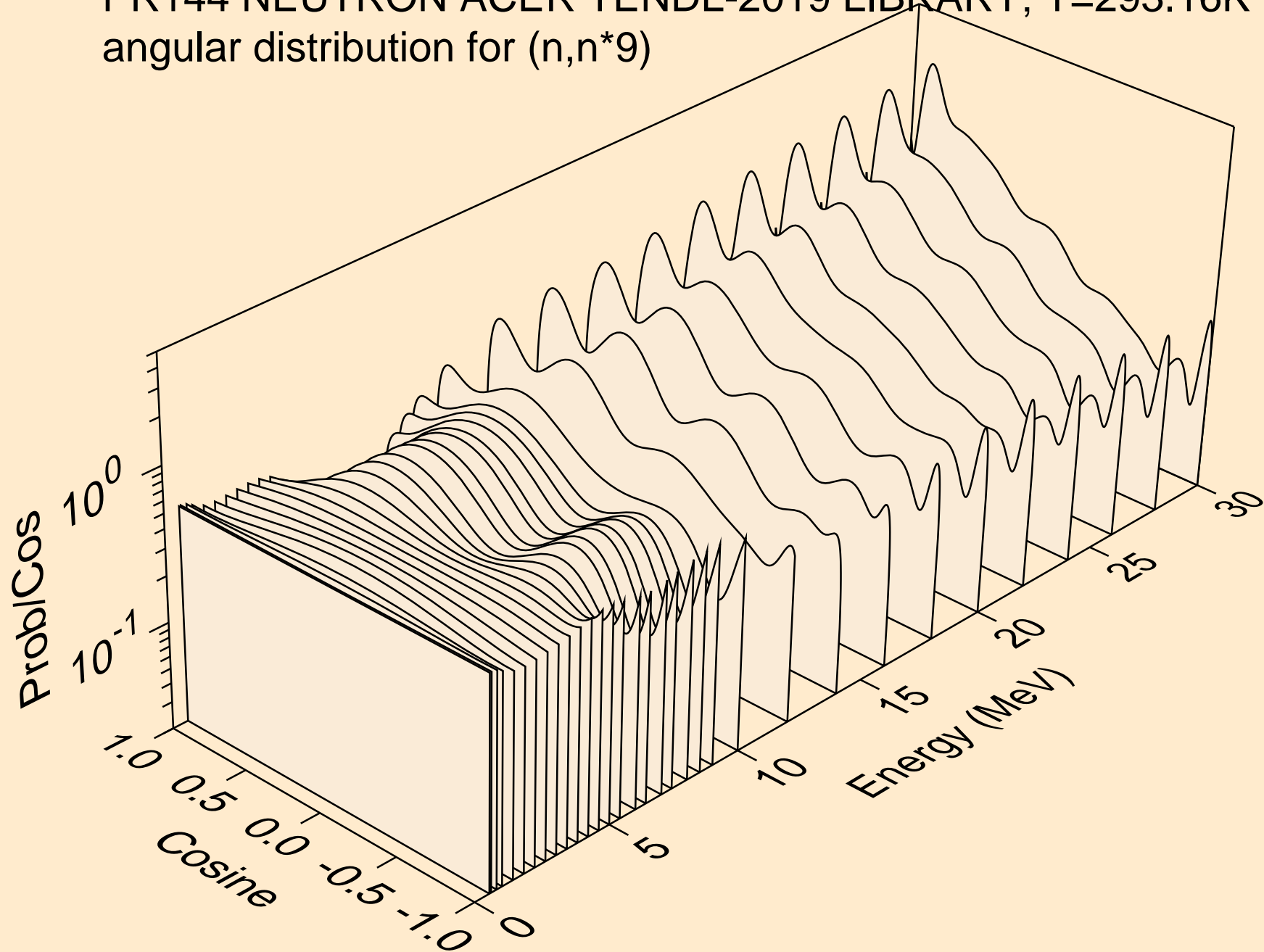
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



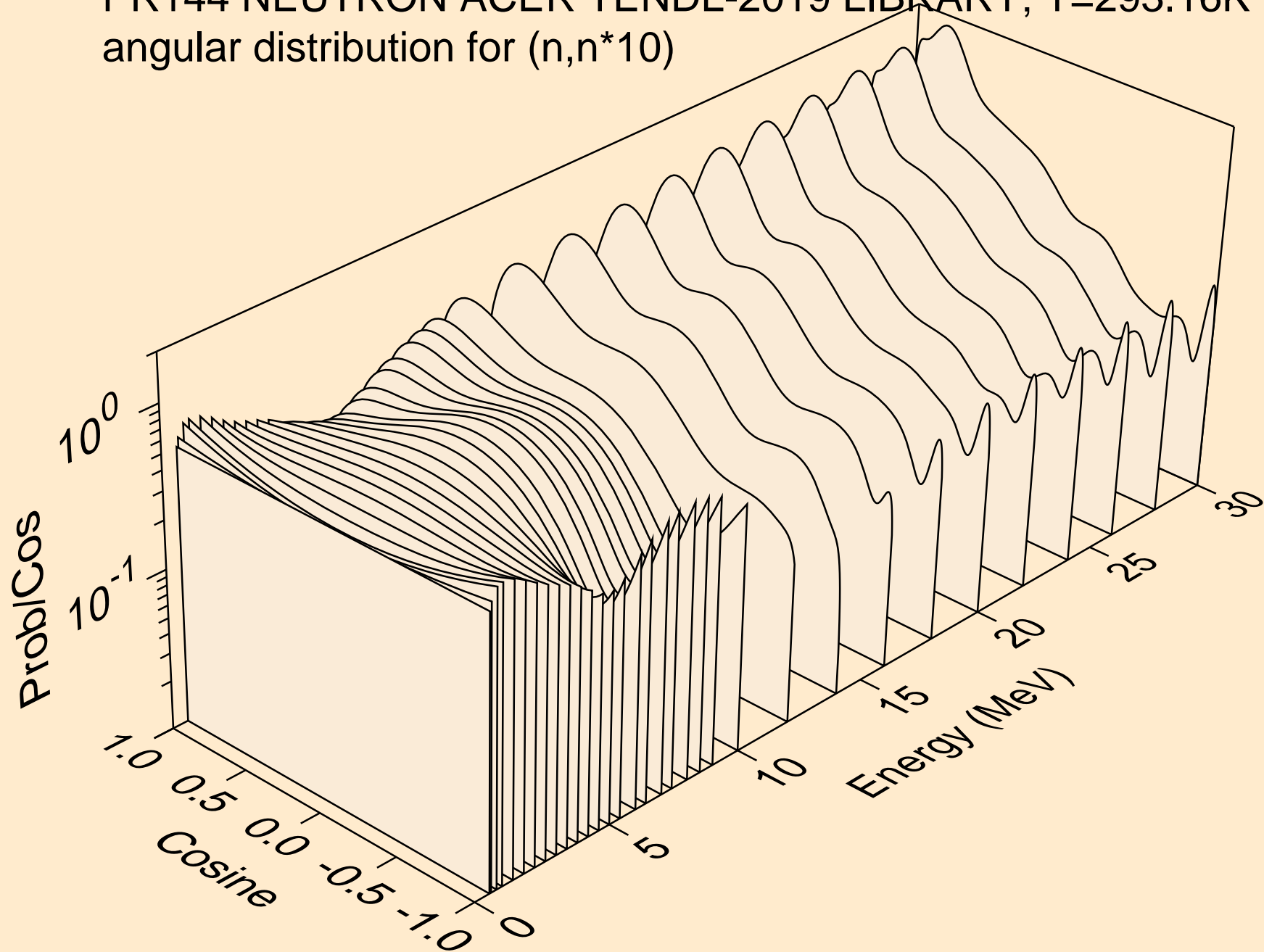
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



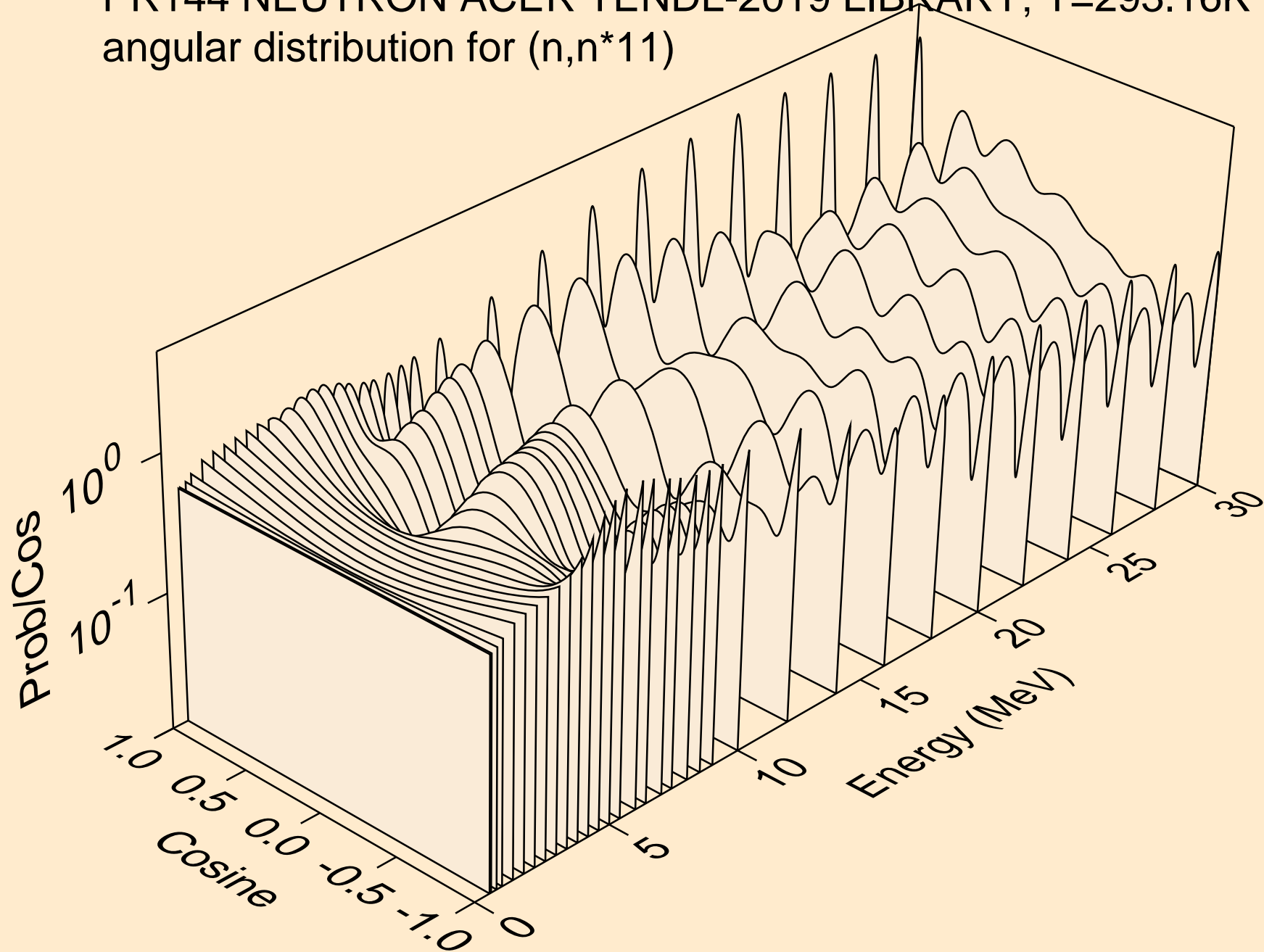
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



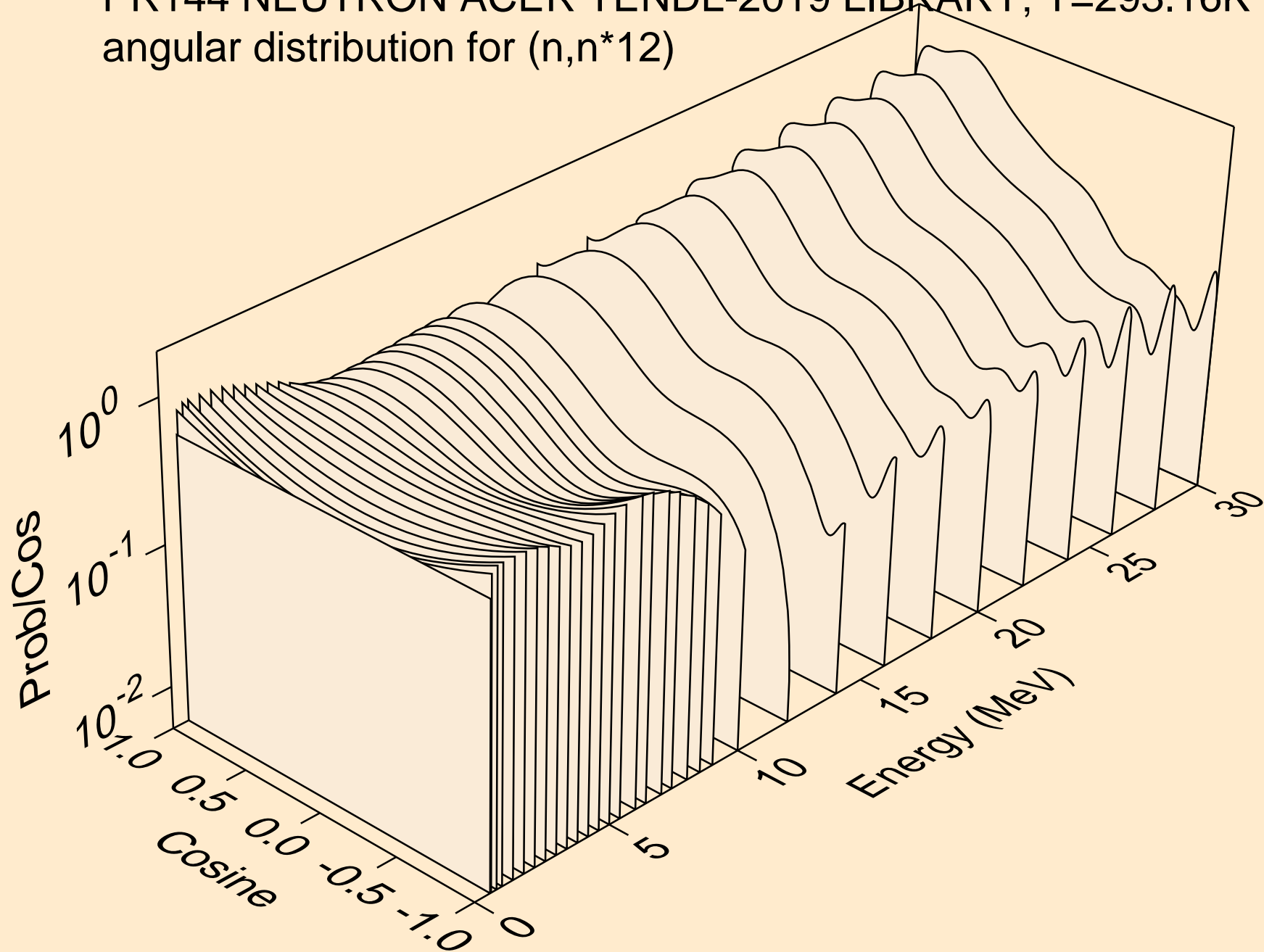
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



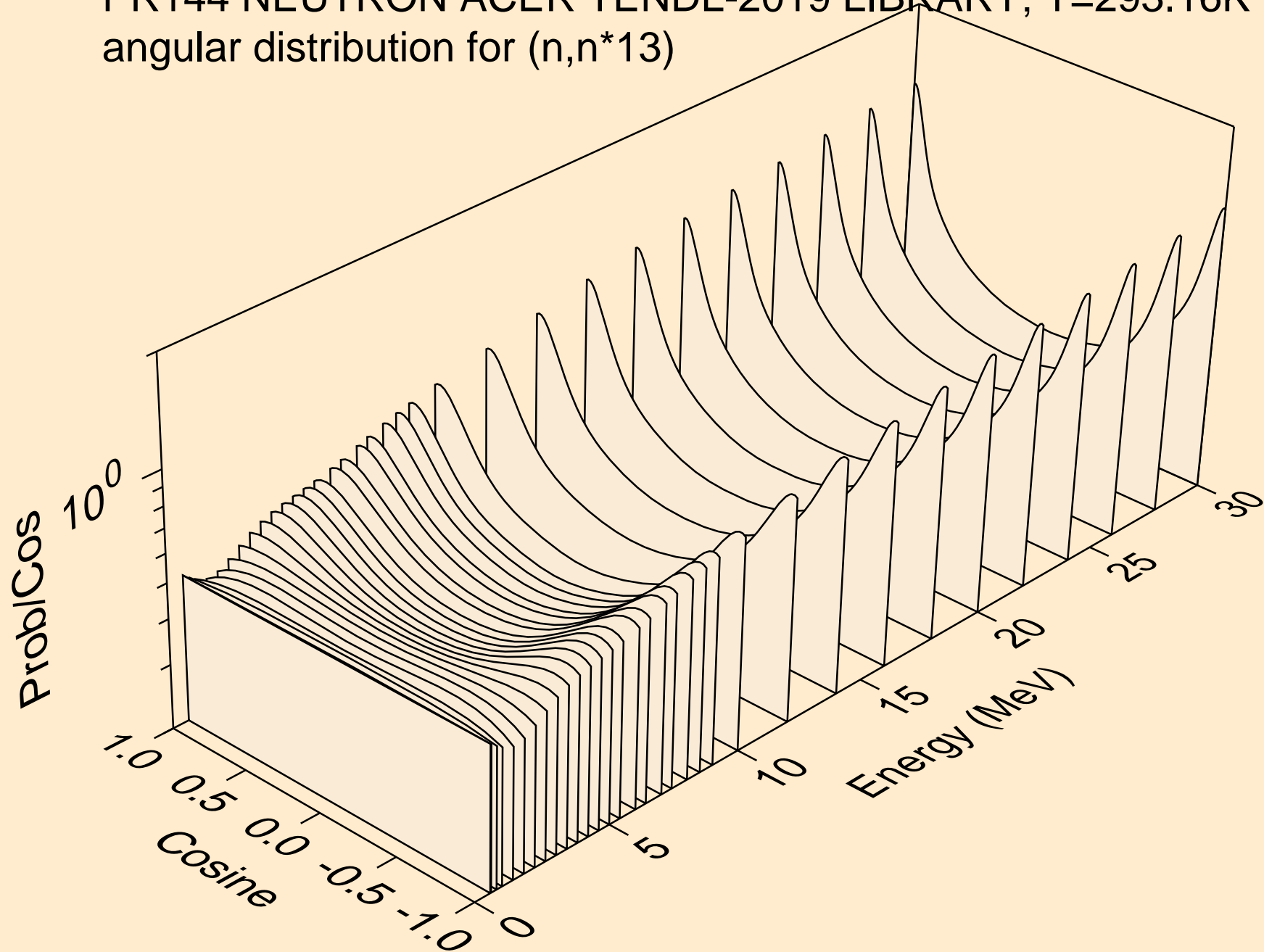
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



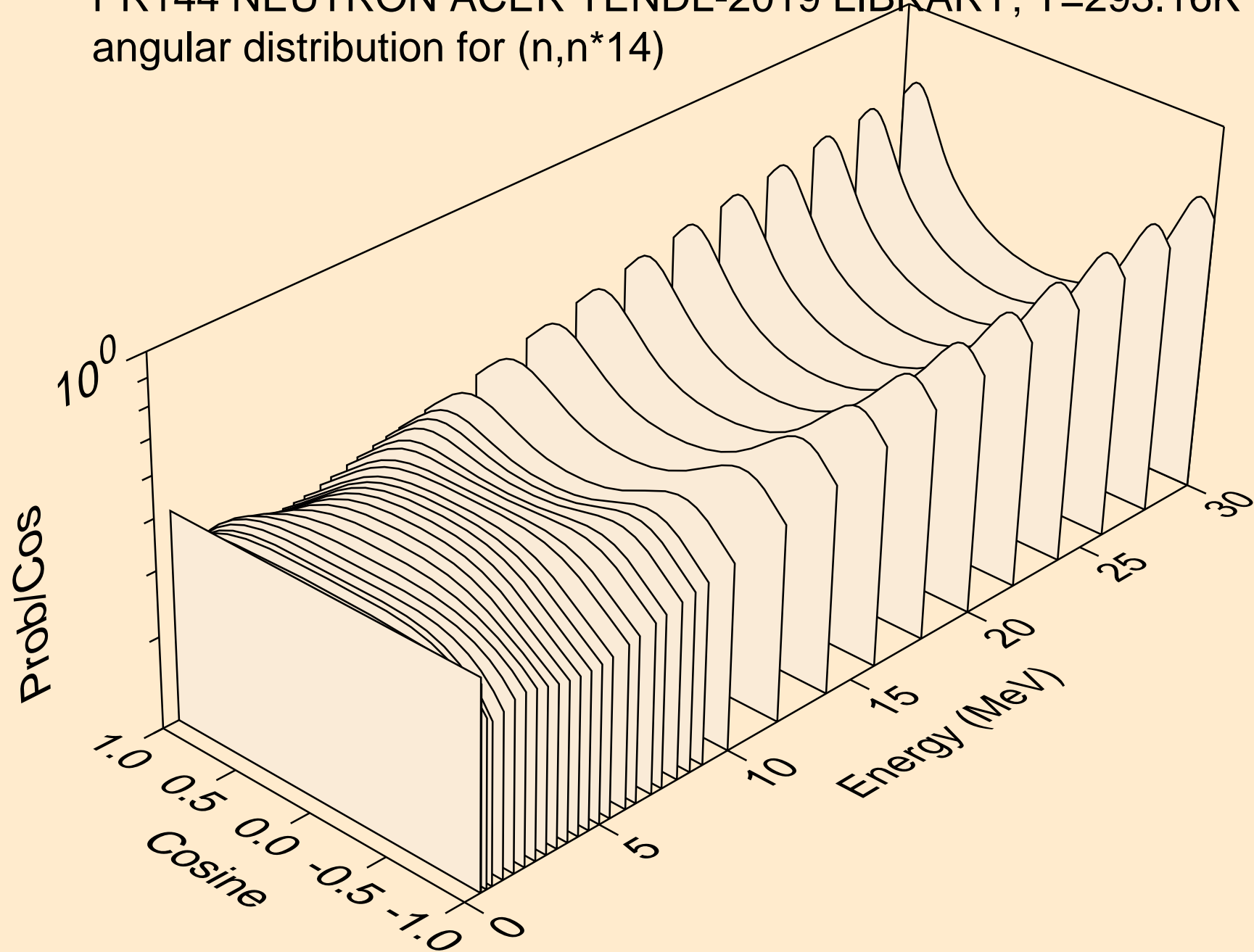
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



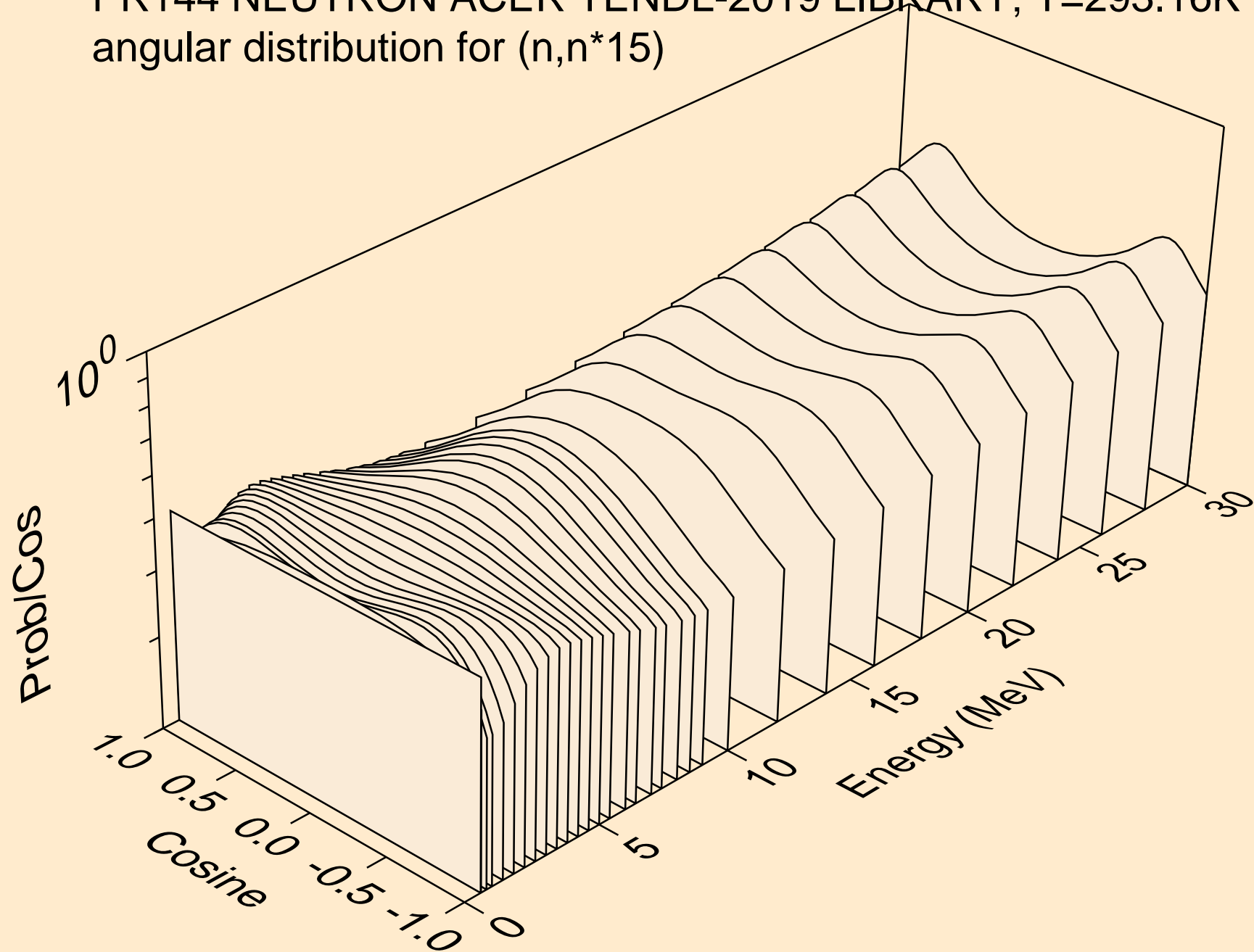
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



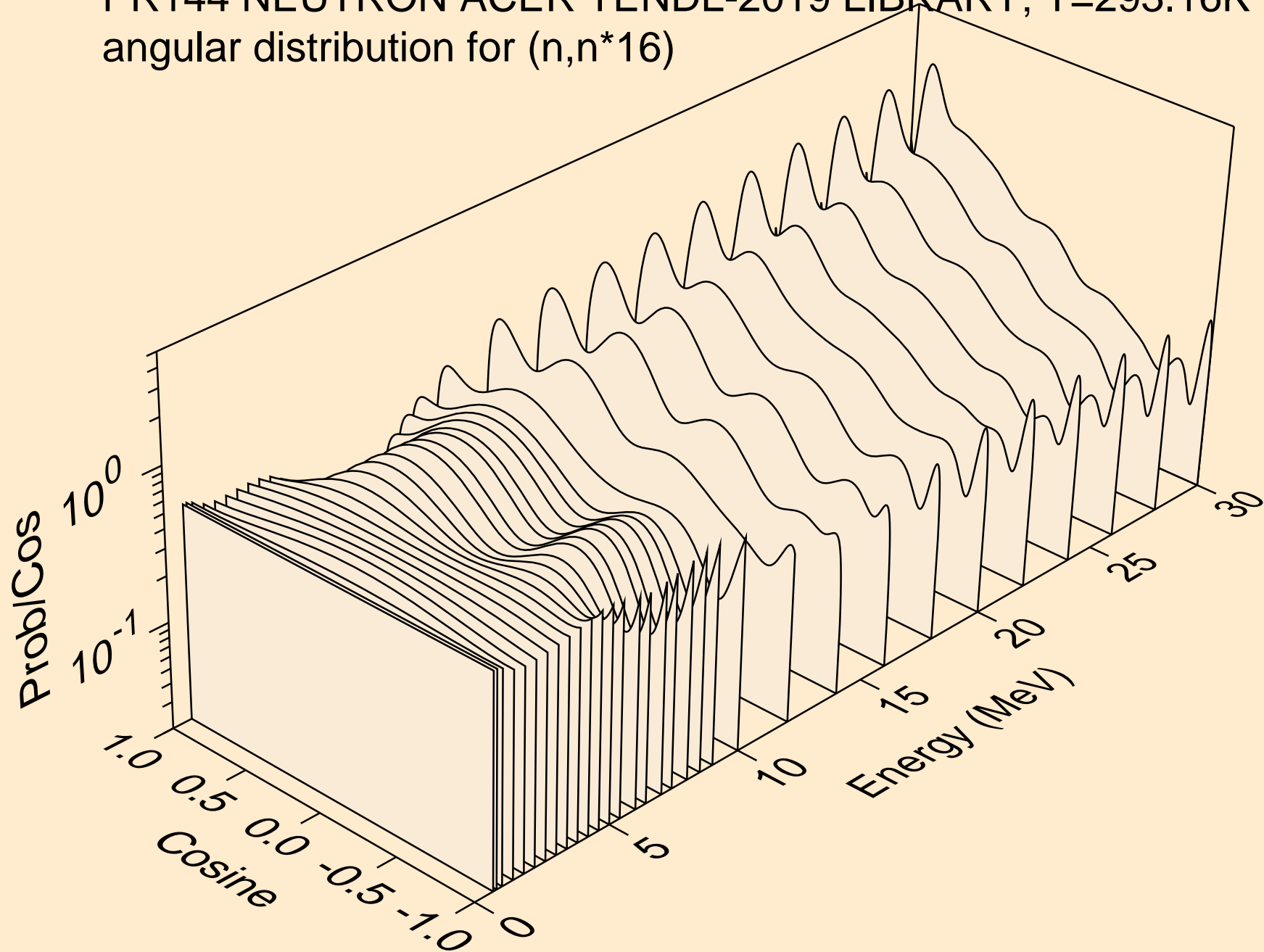
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



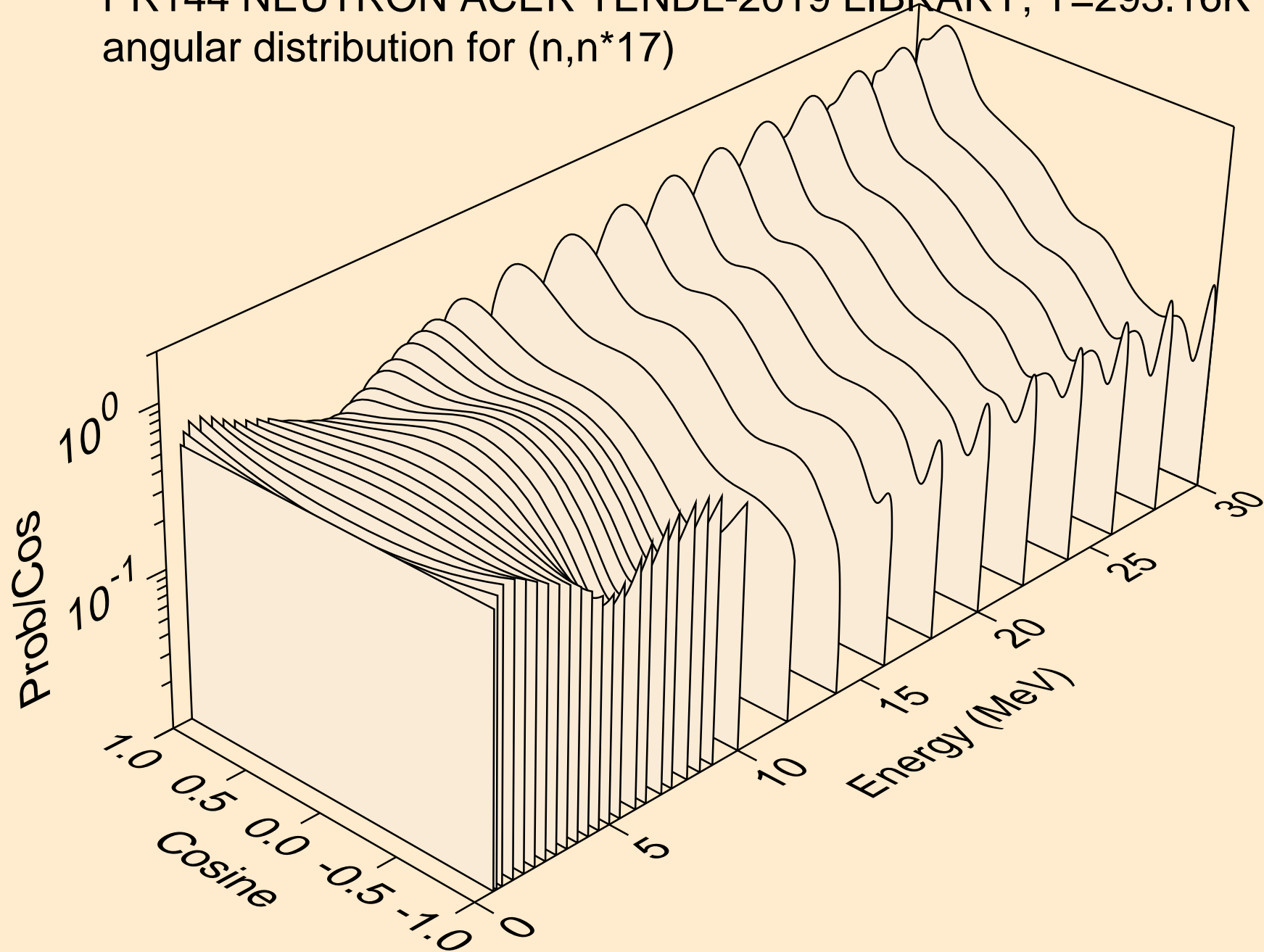
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



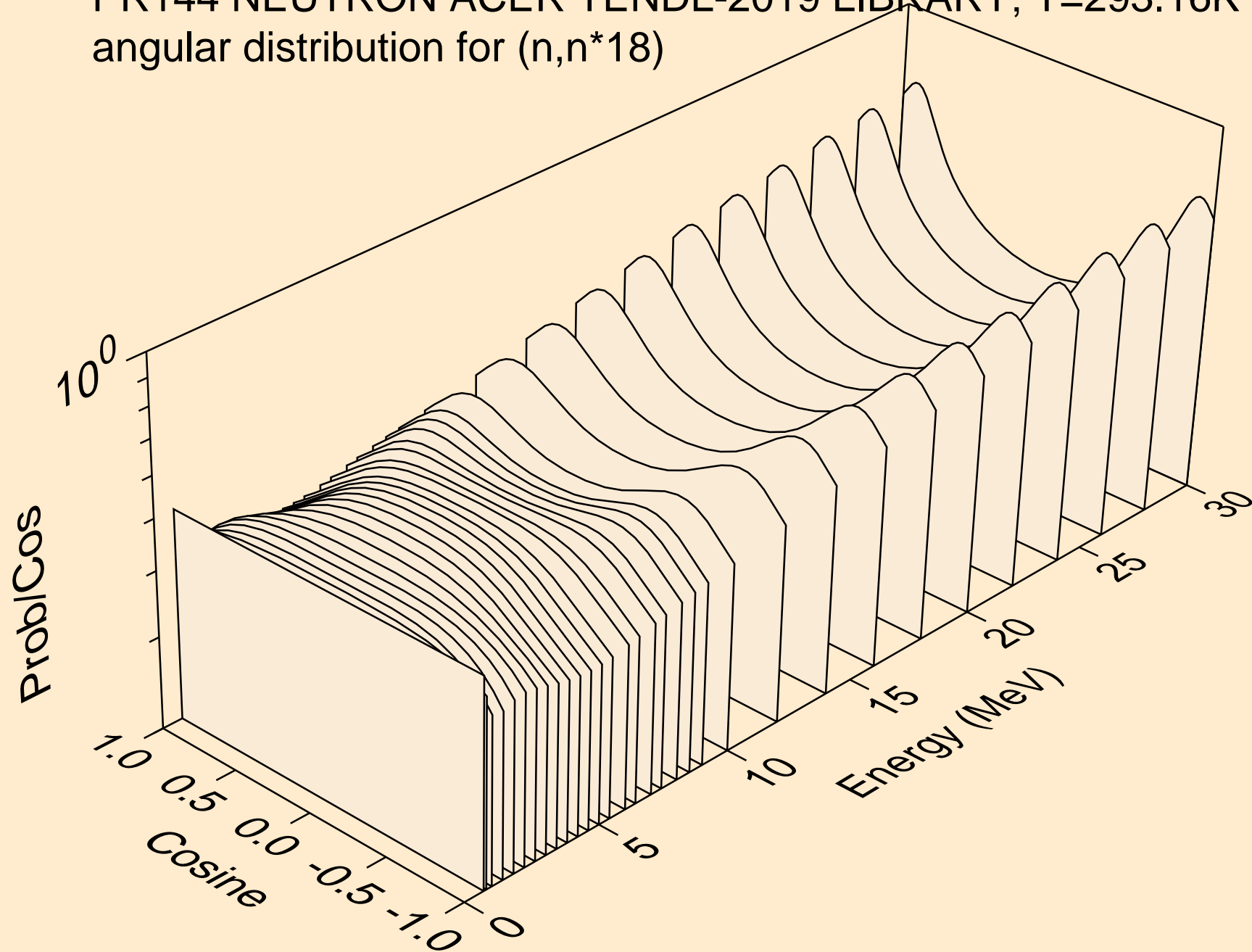
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*16)



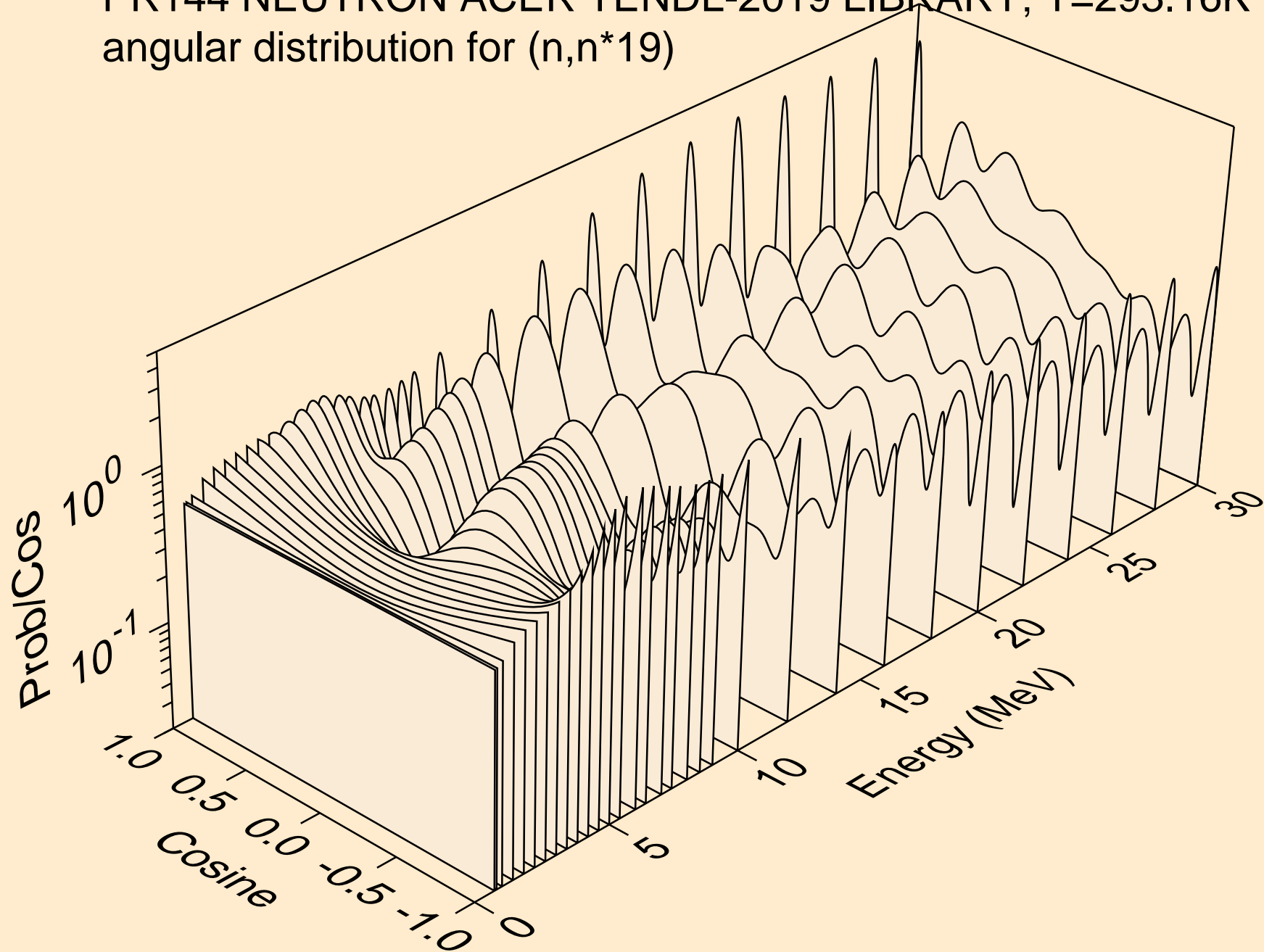
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angular distribution for (n,n*17)



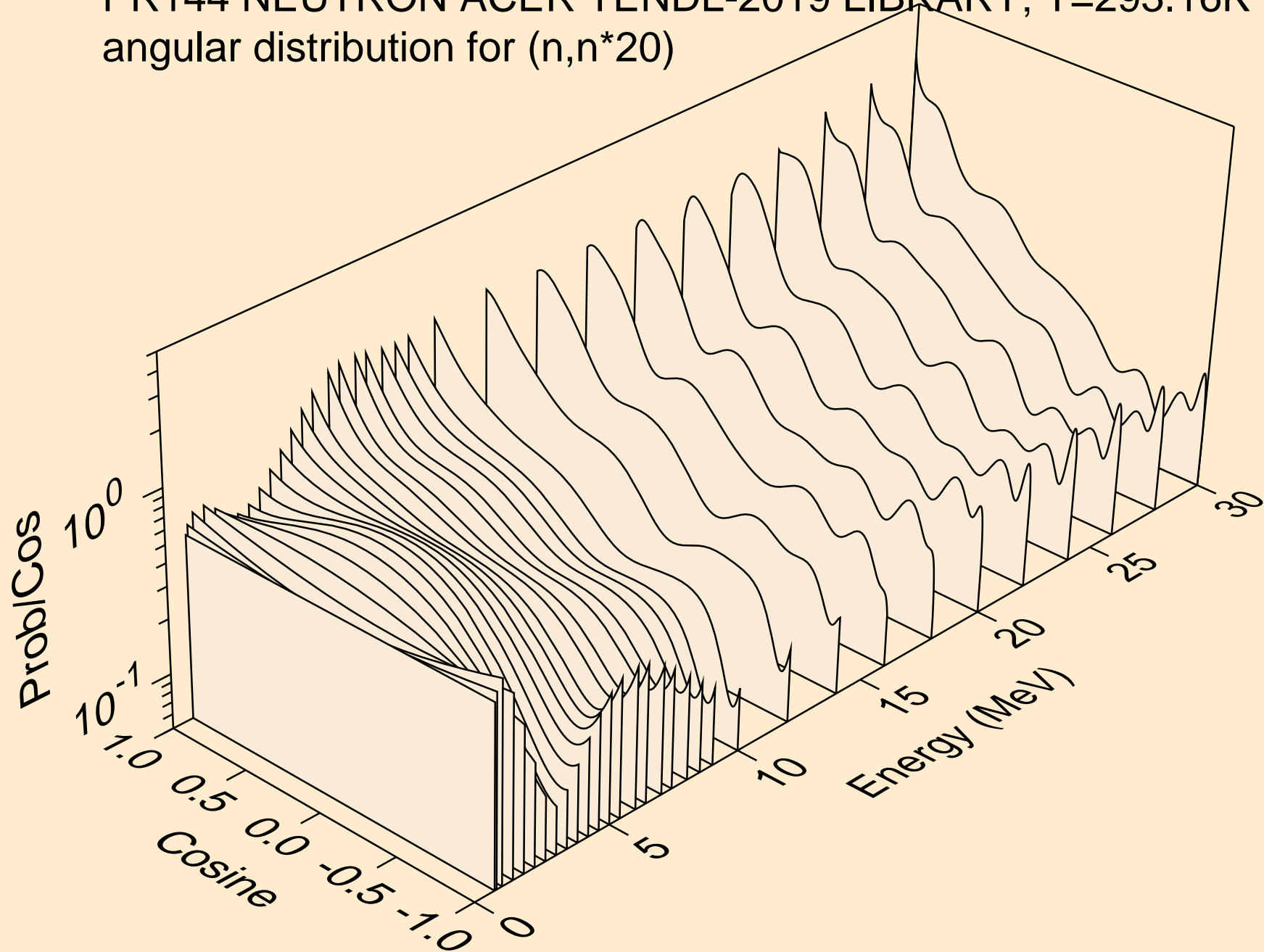
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



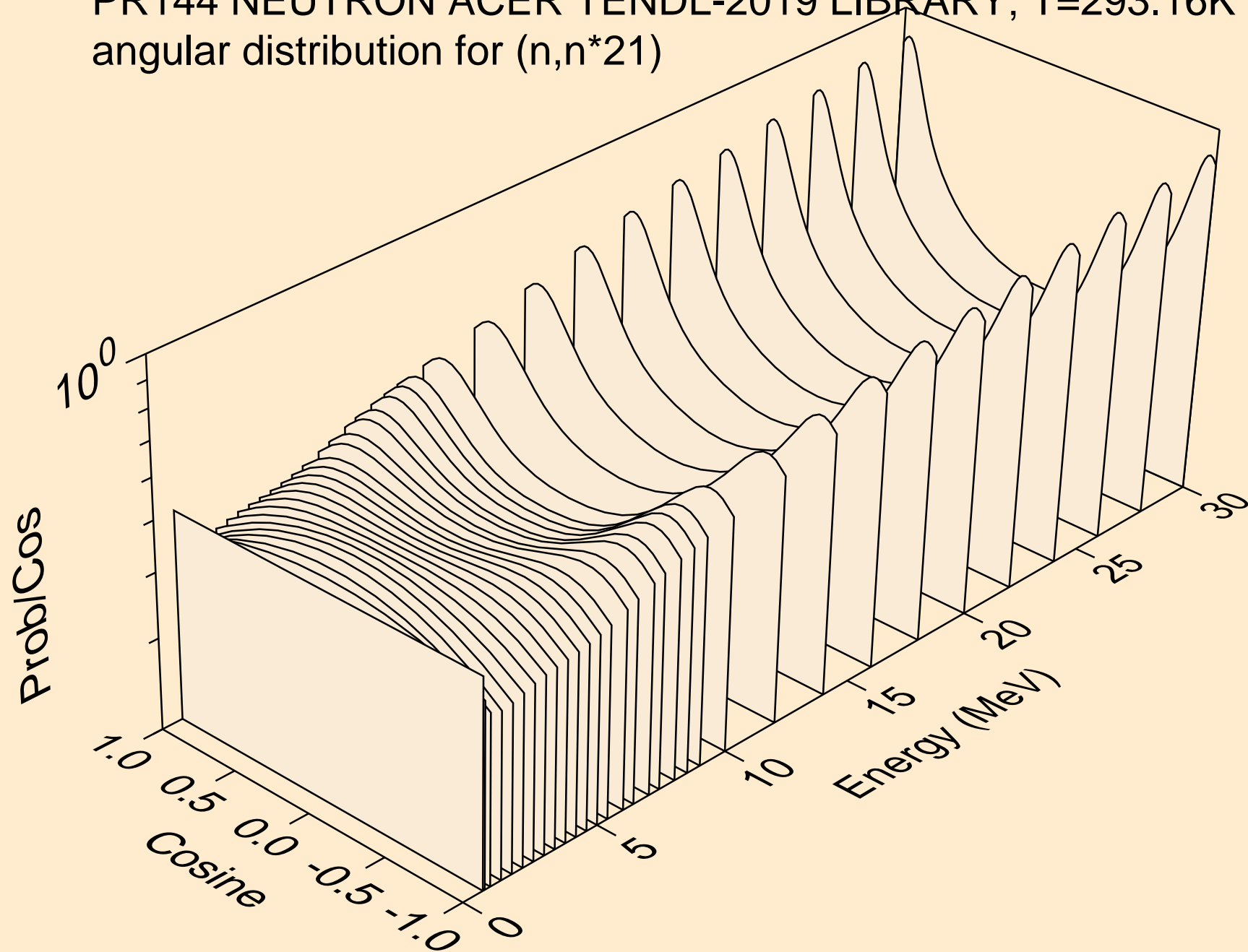
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



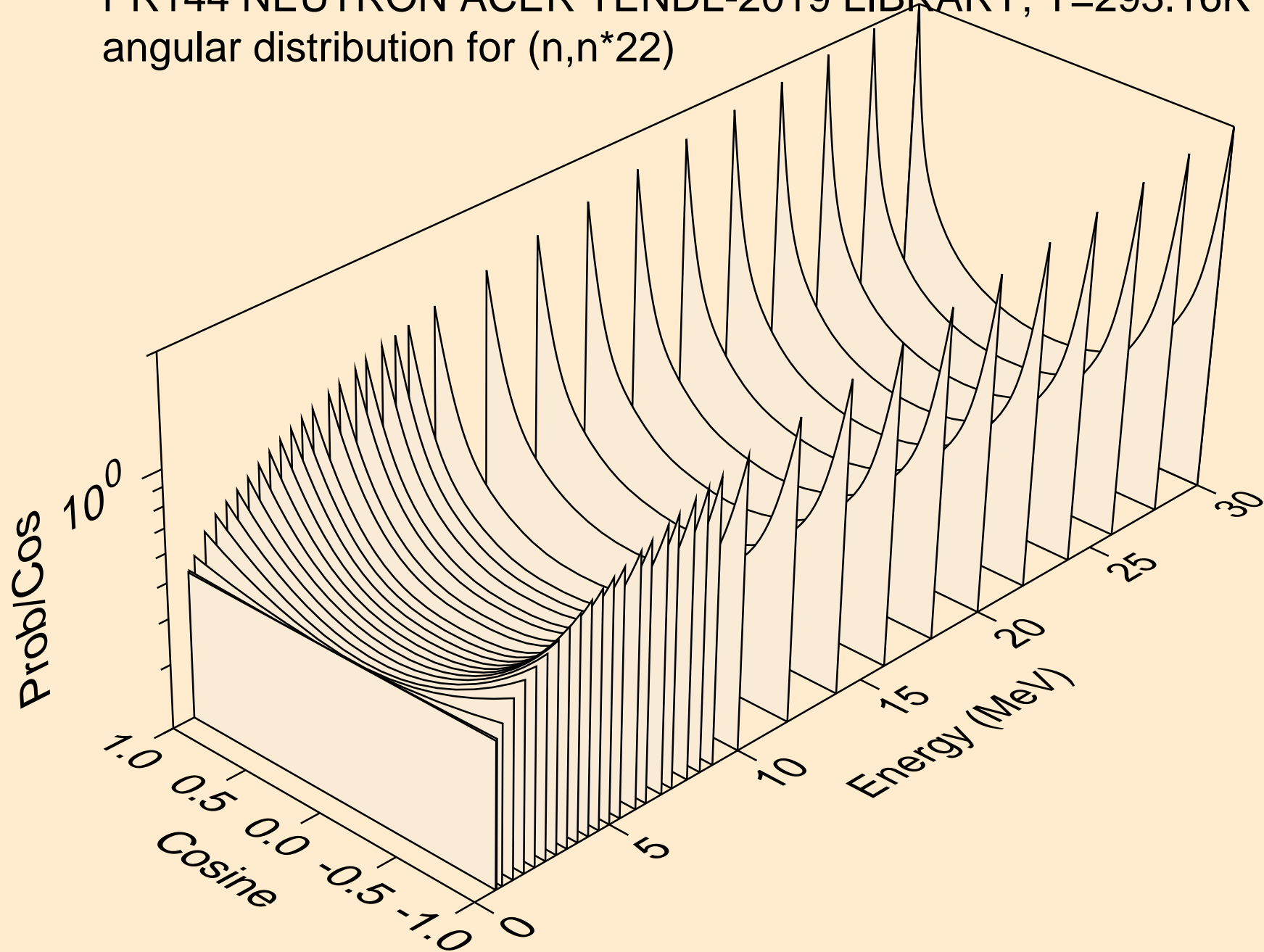
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



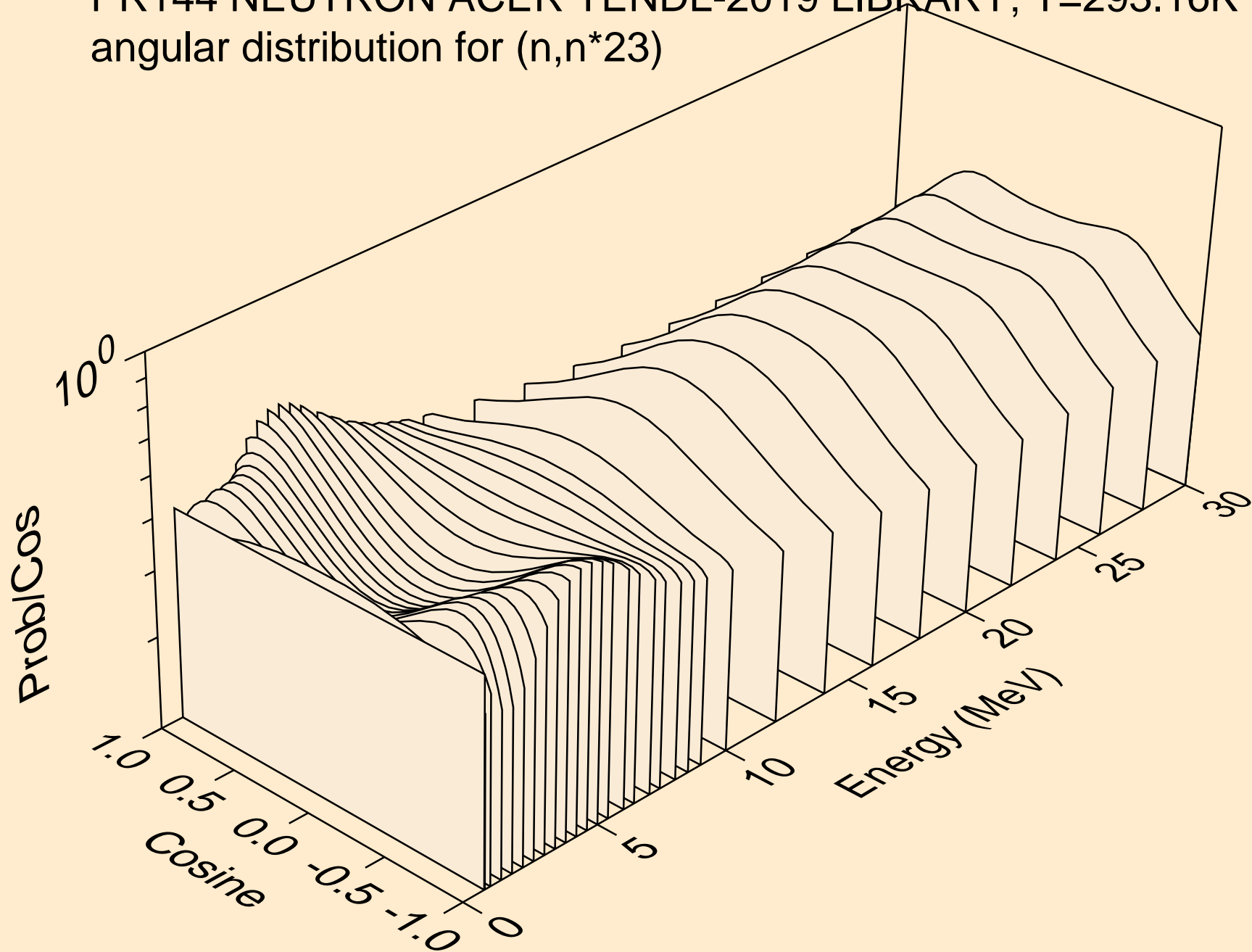
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



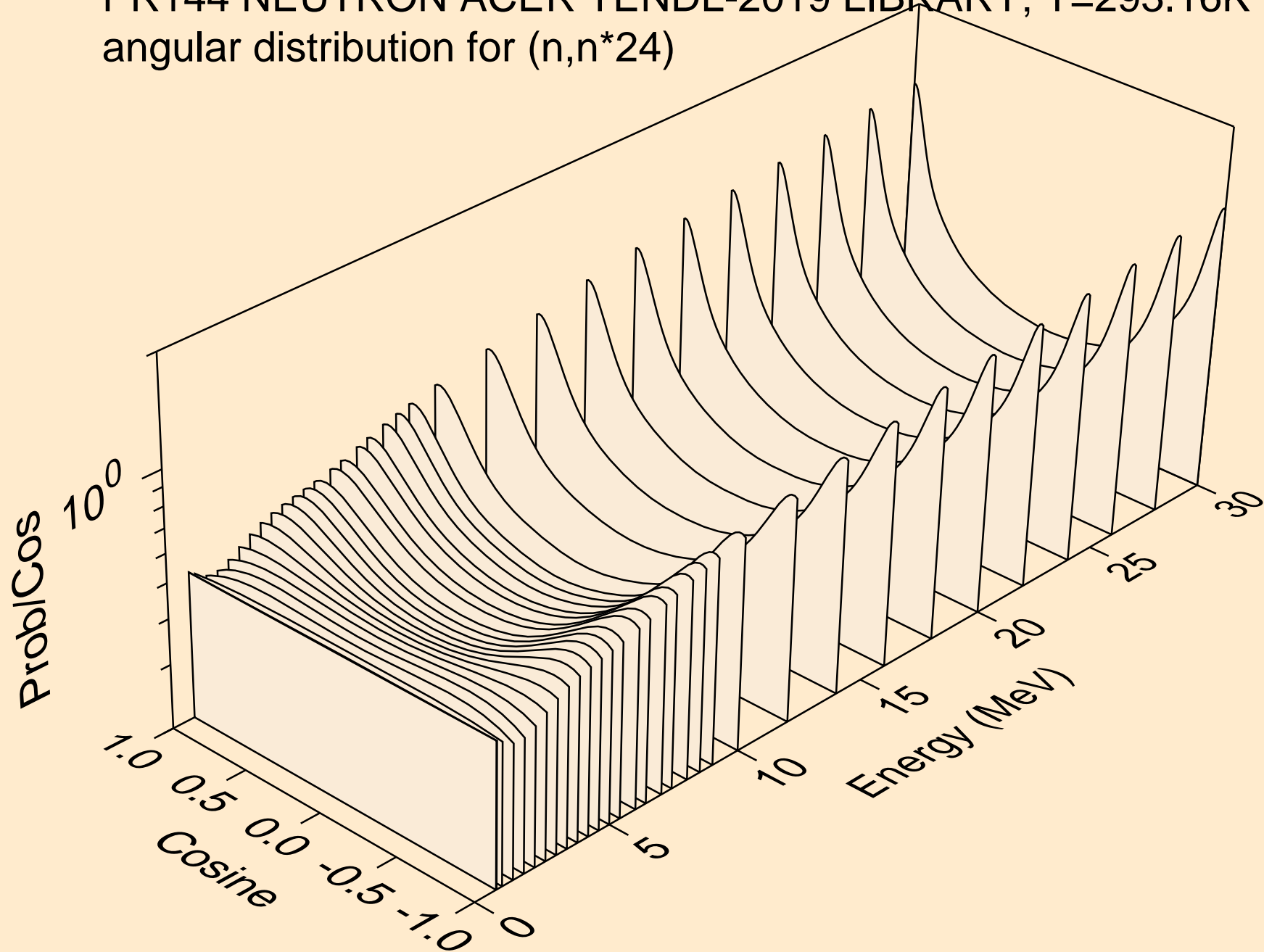
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angular distribution for (n,n*22)



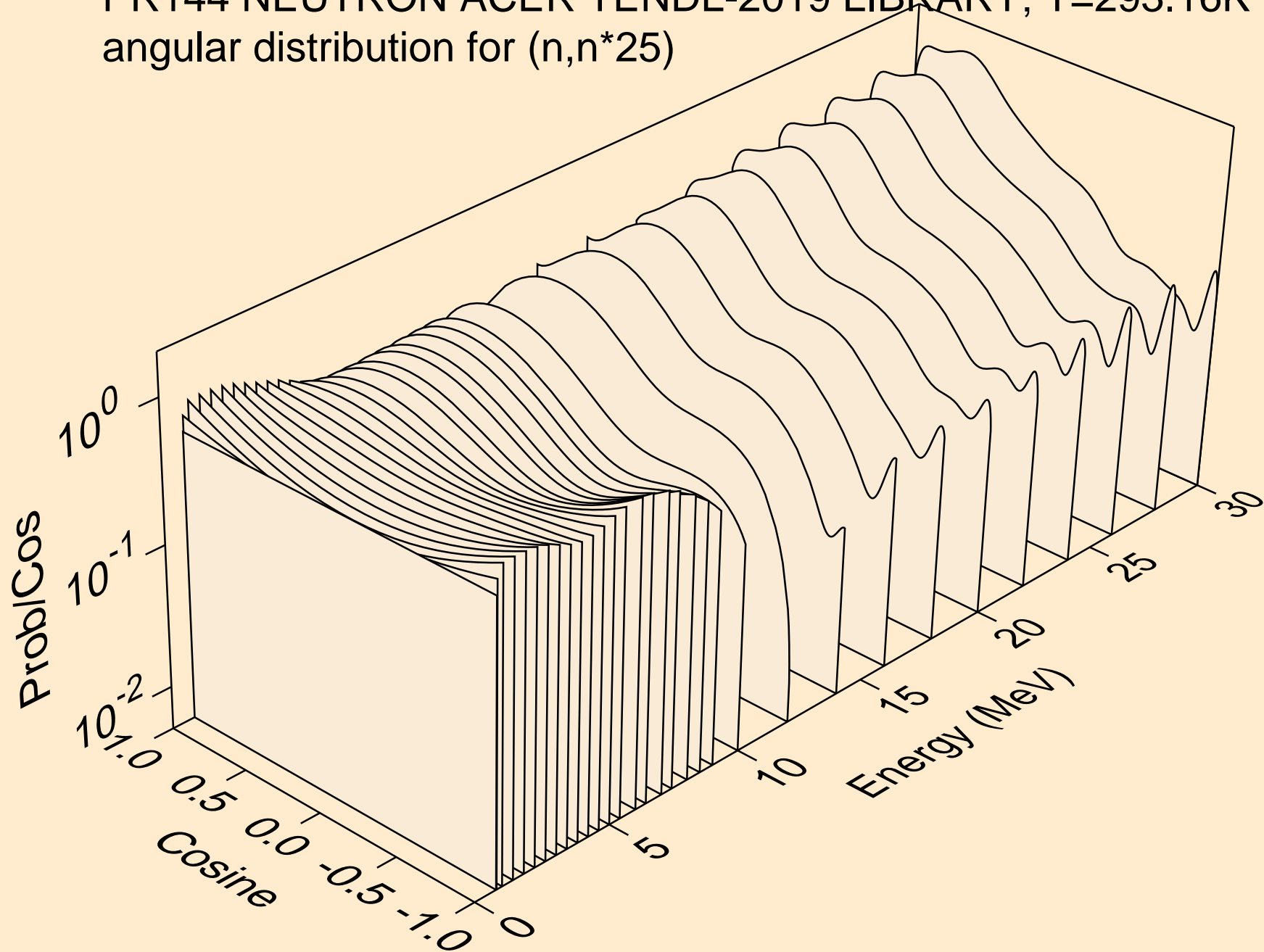
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angular distribution for (n,n*23)



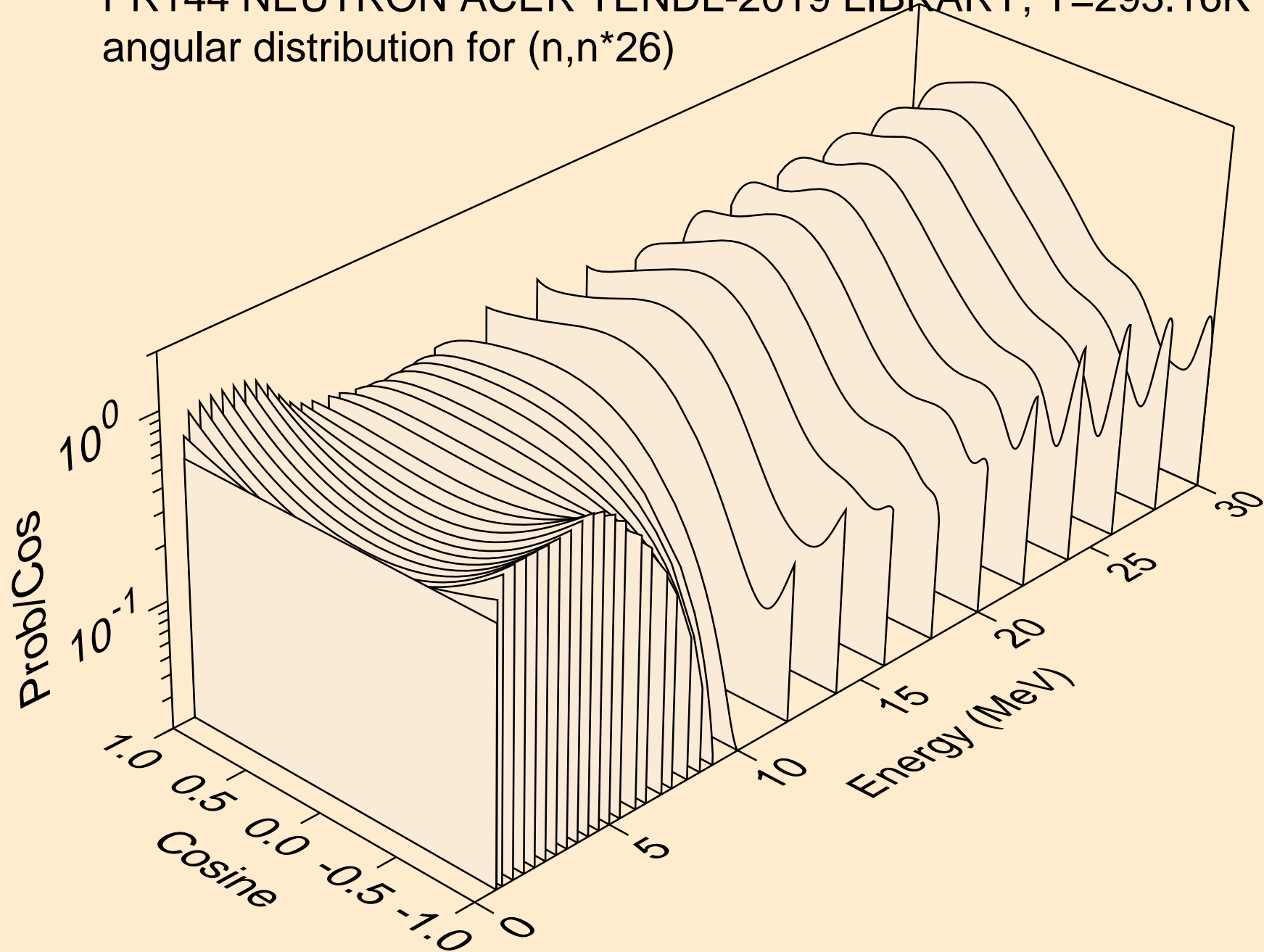
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



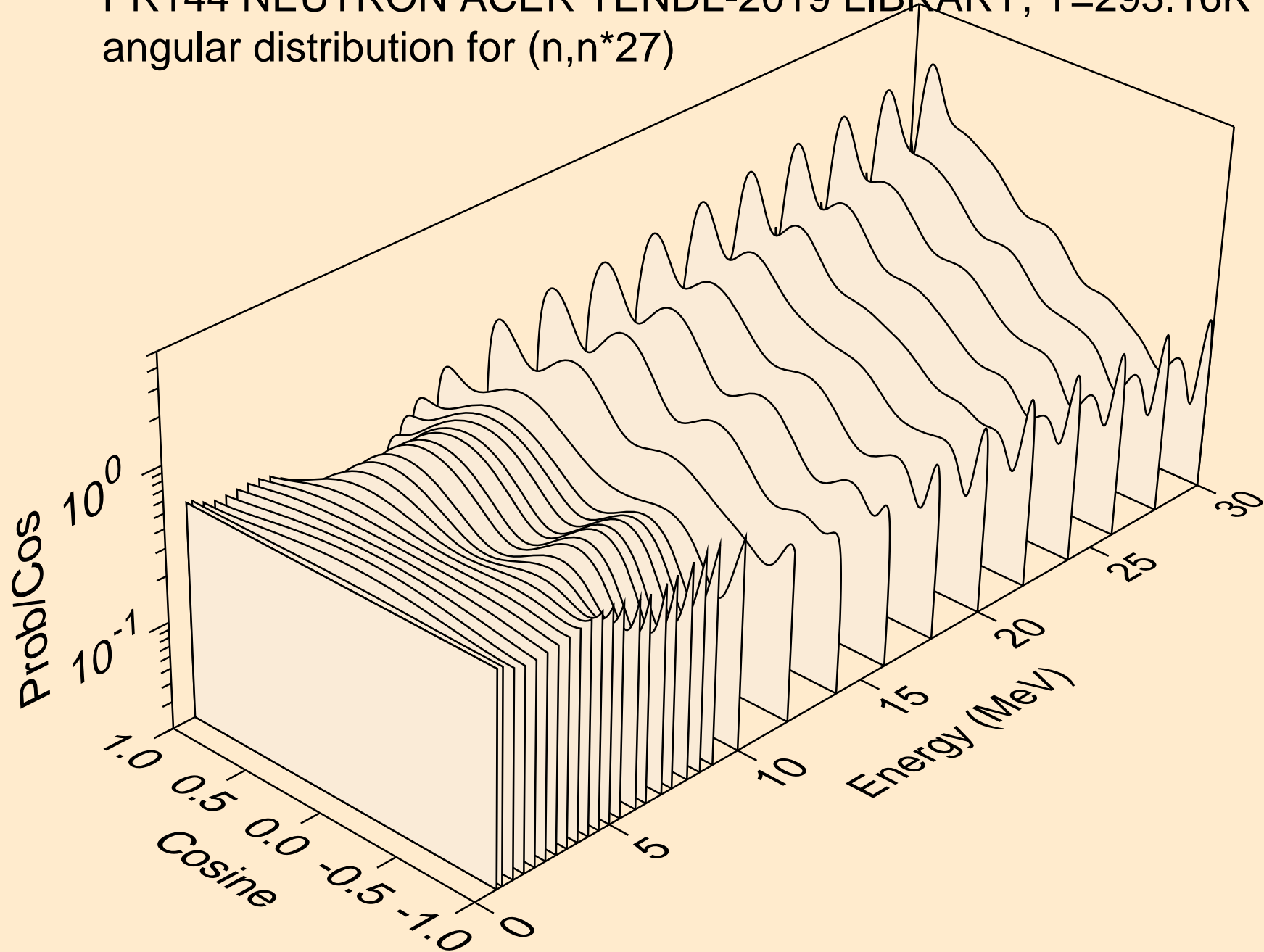
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



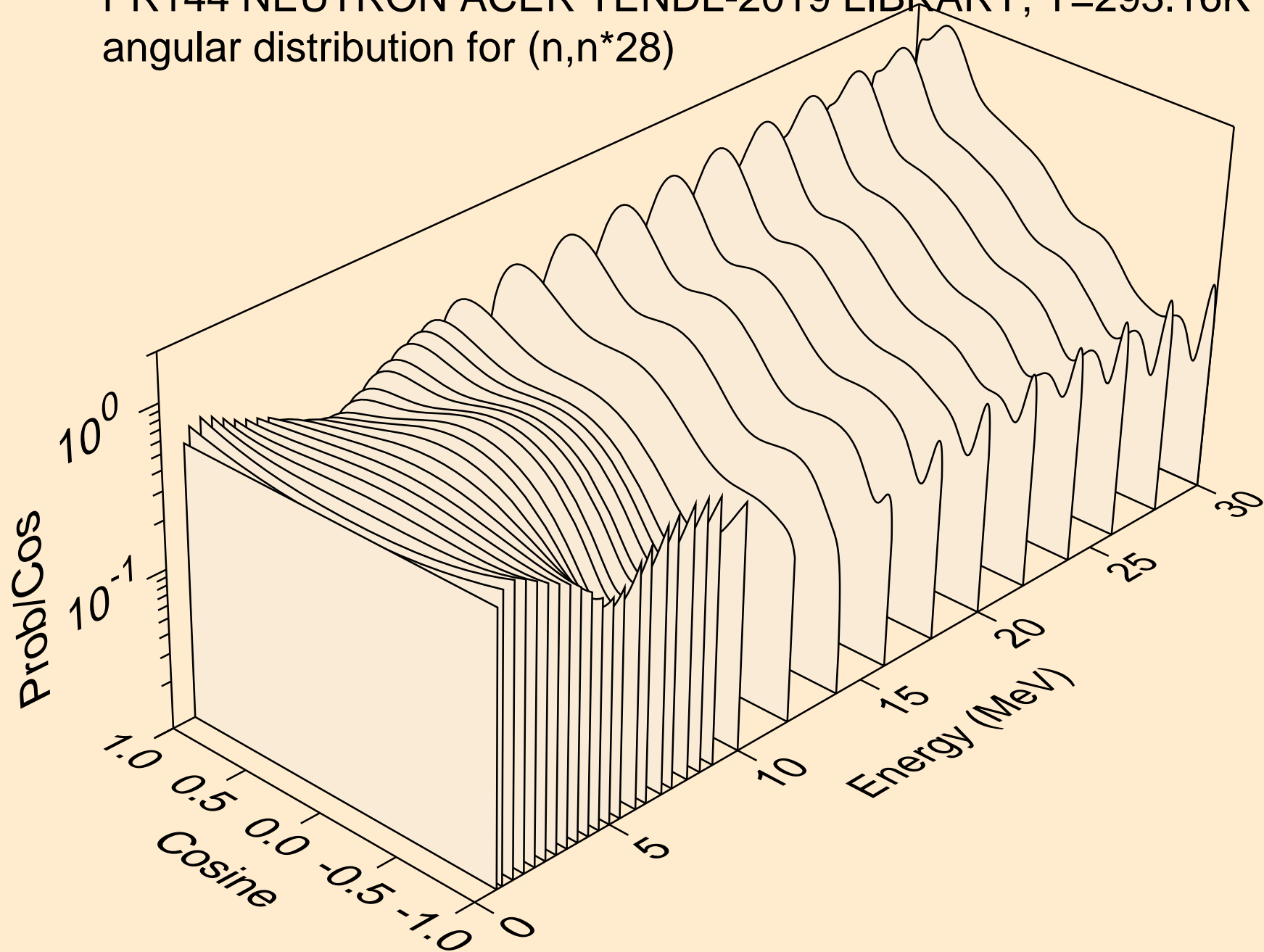
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



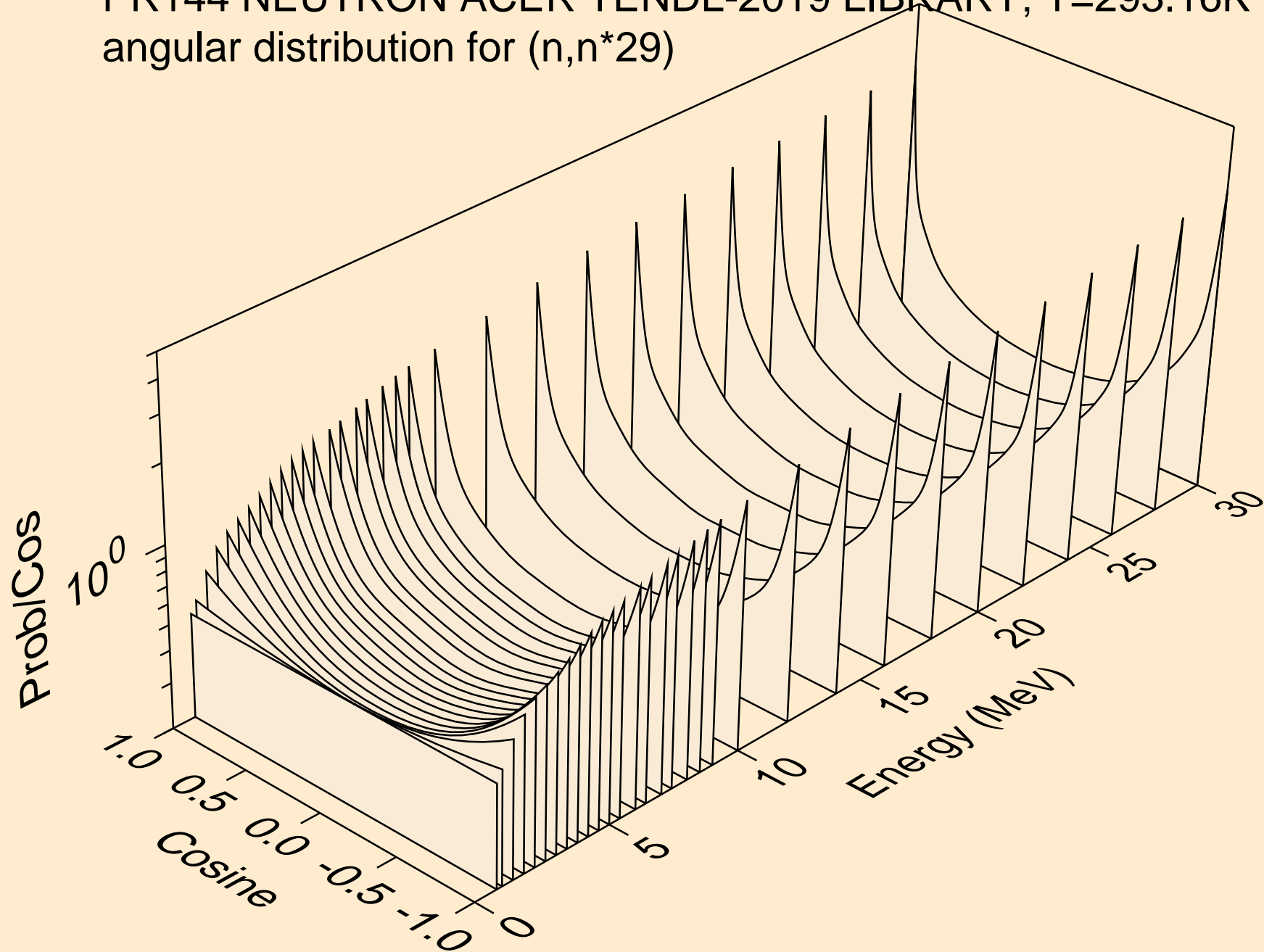
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



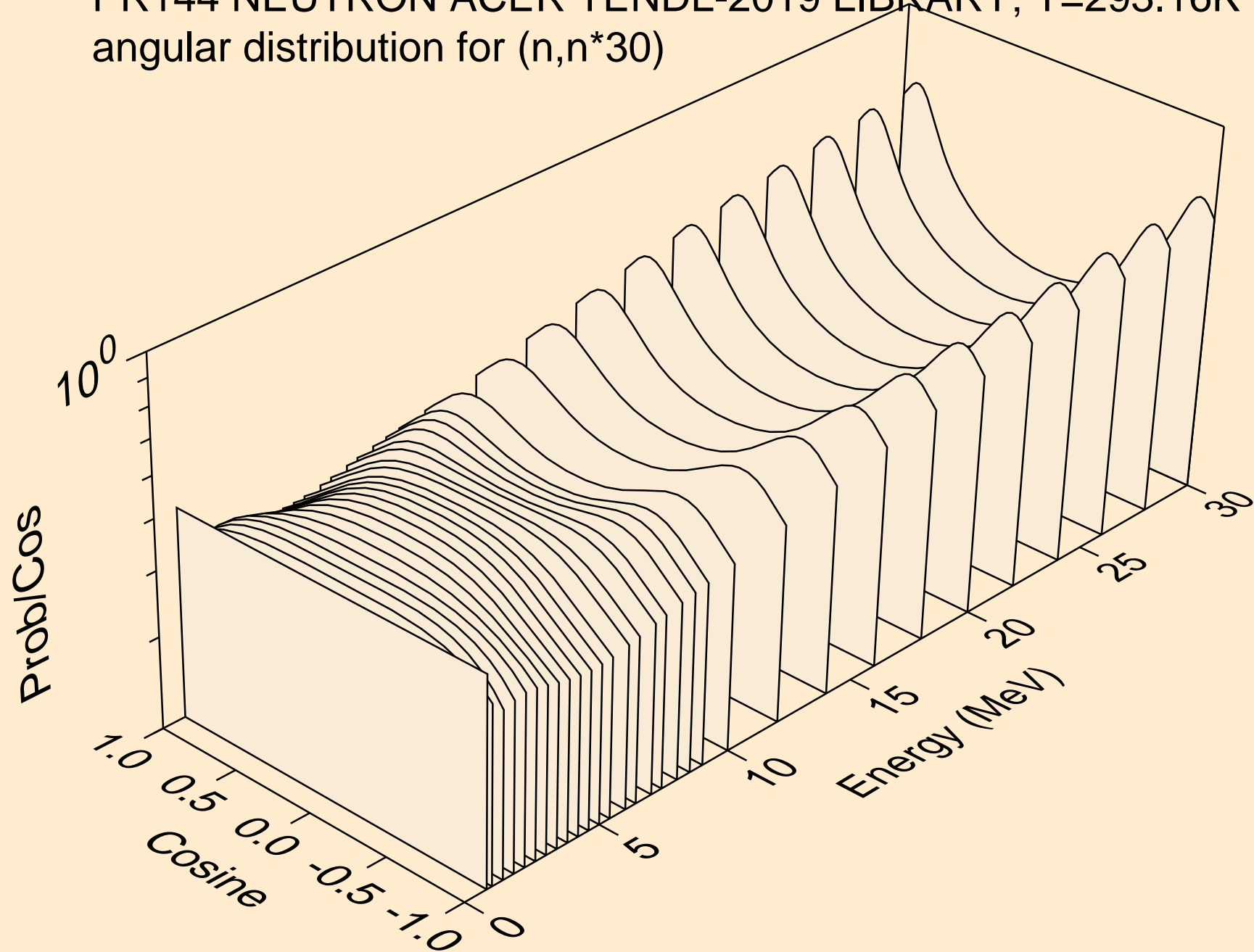
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



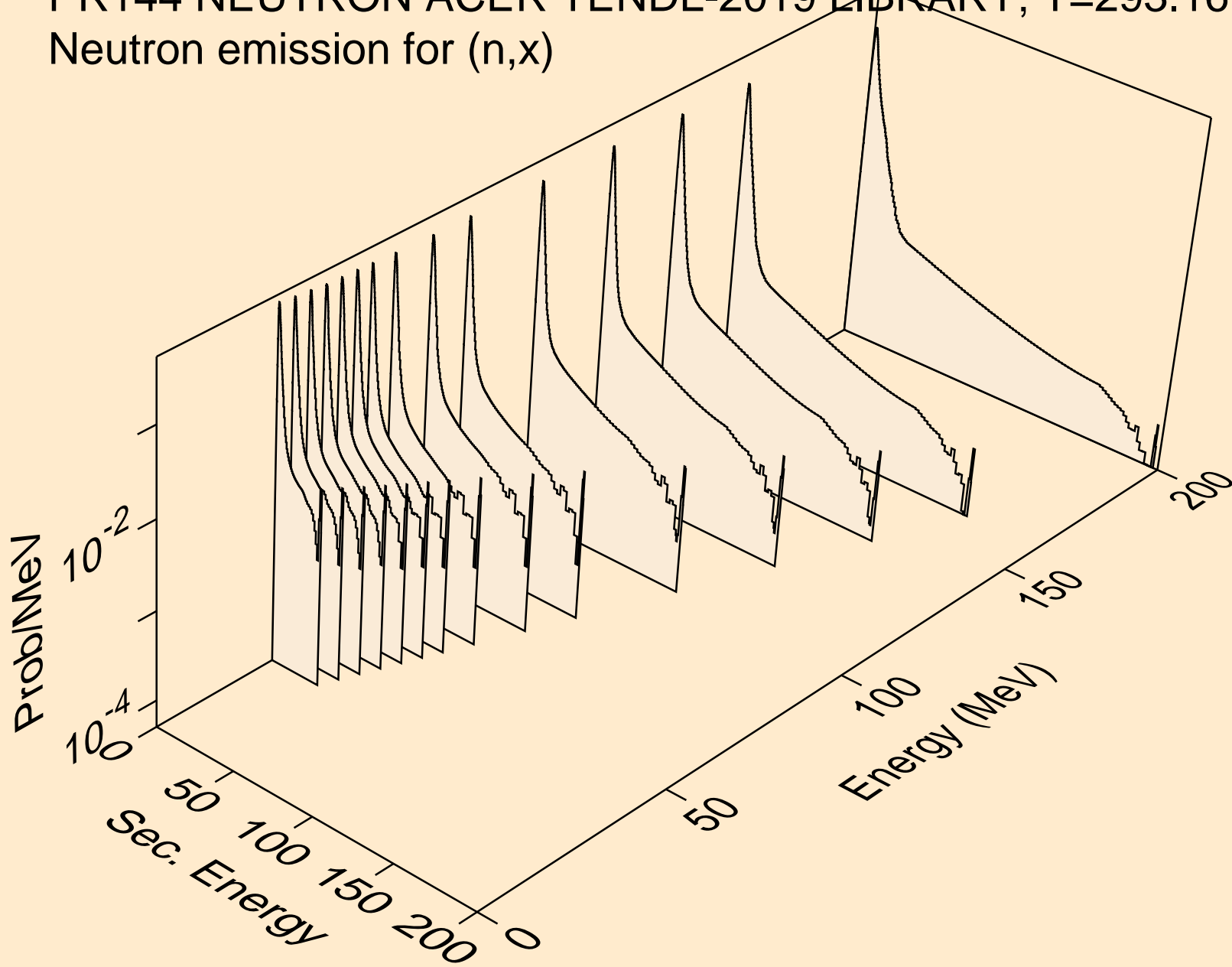
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



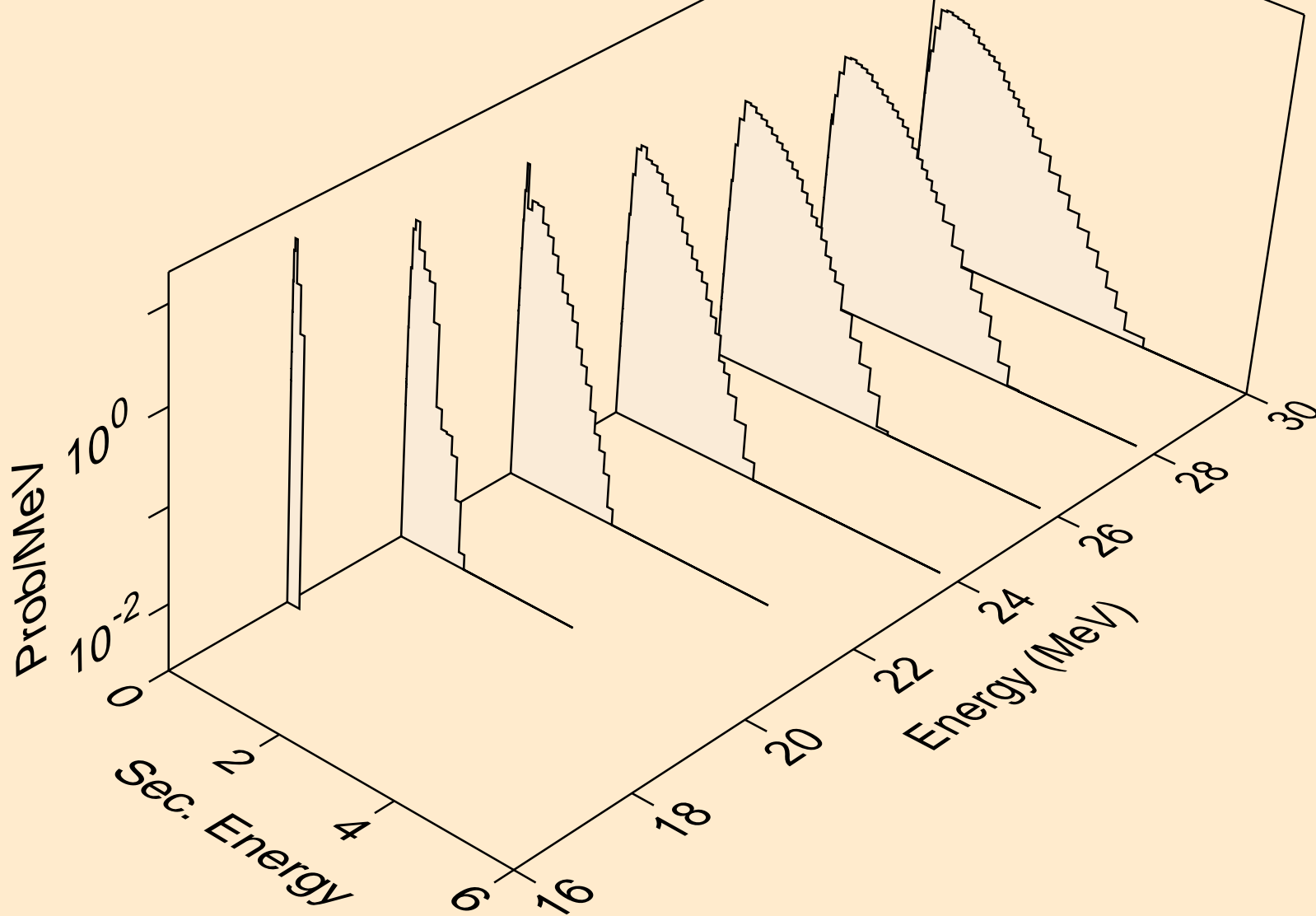
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



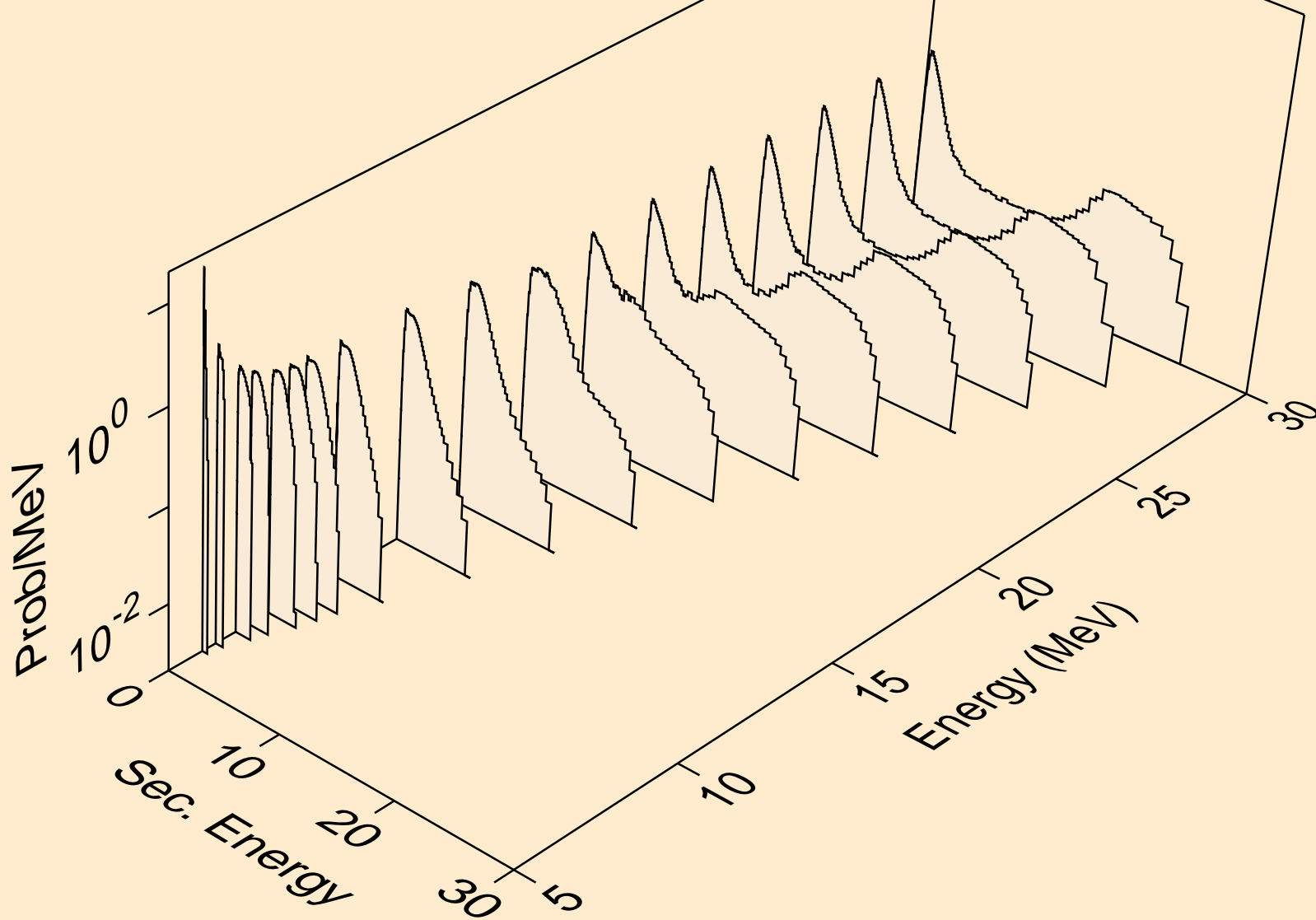
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



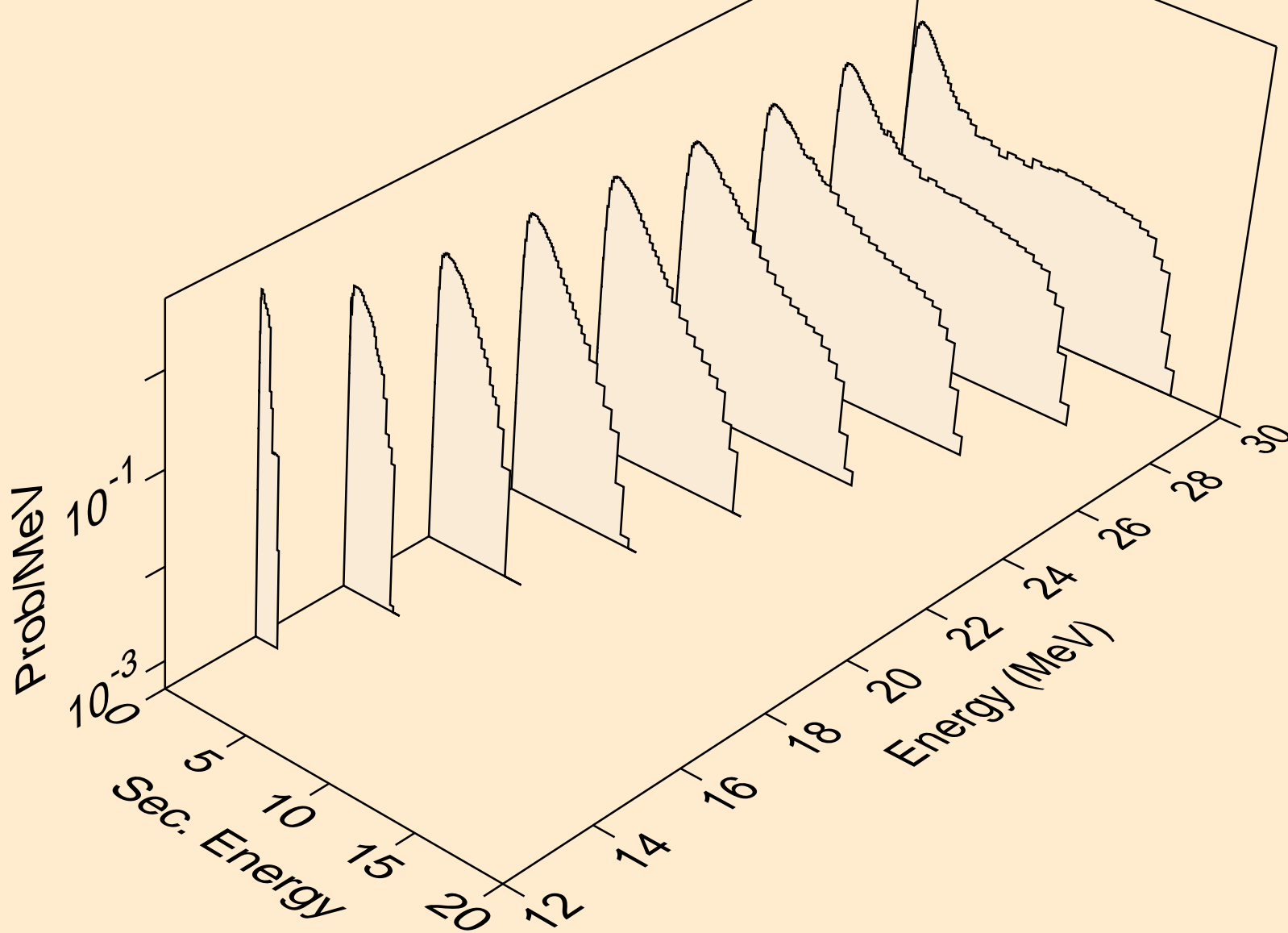
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



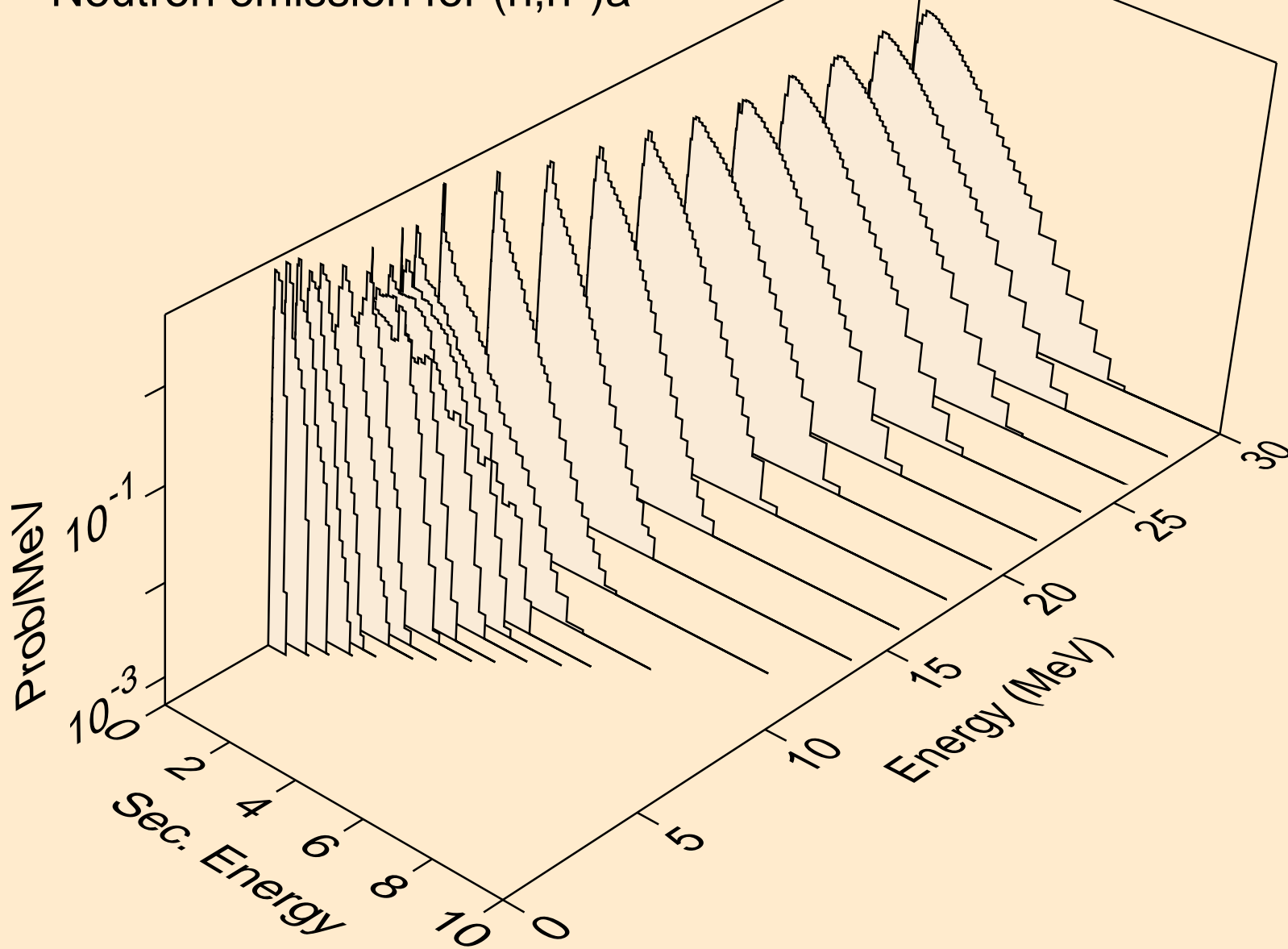
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



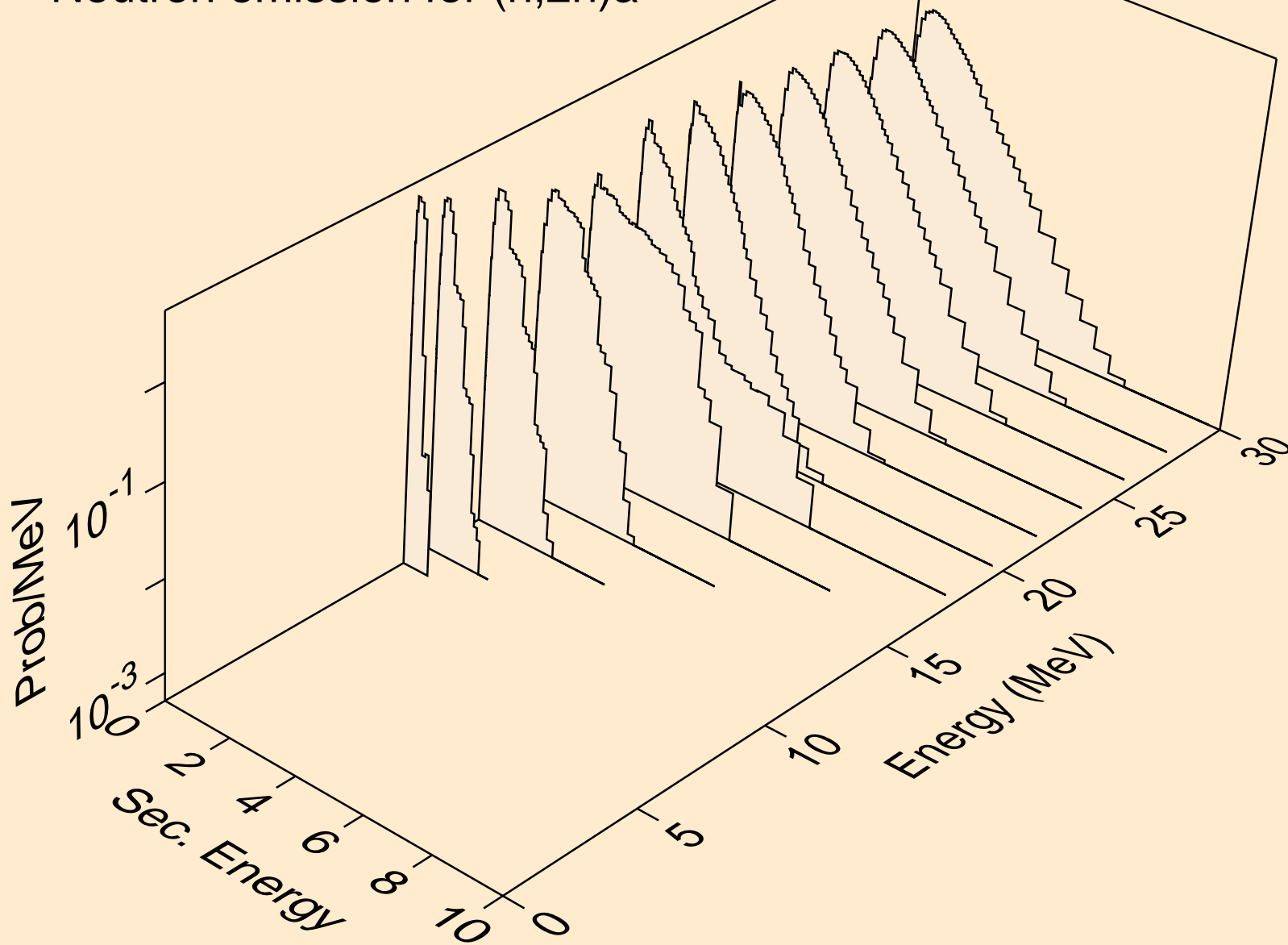
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



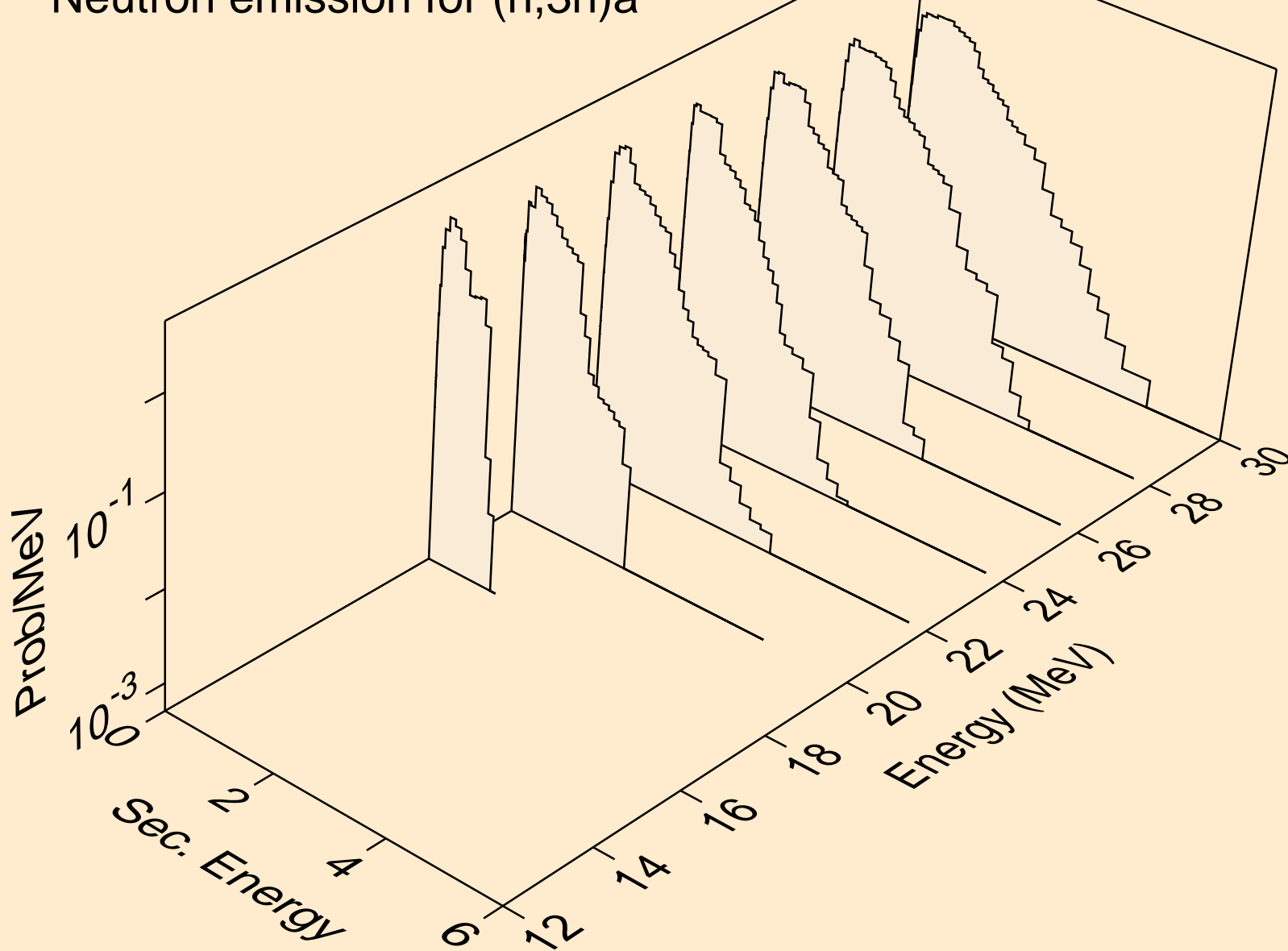
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



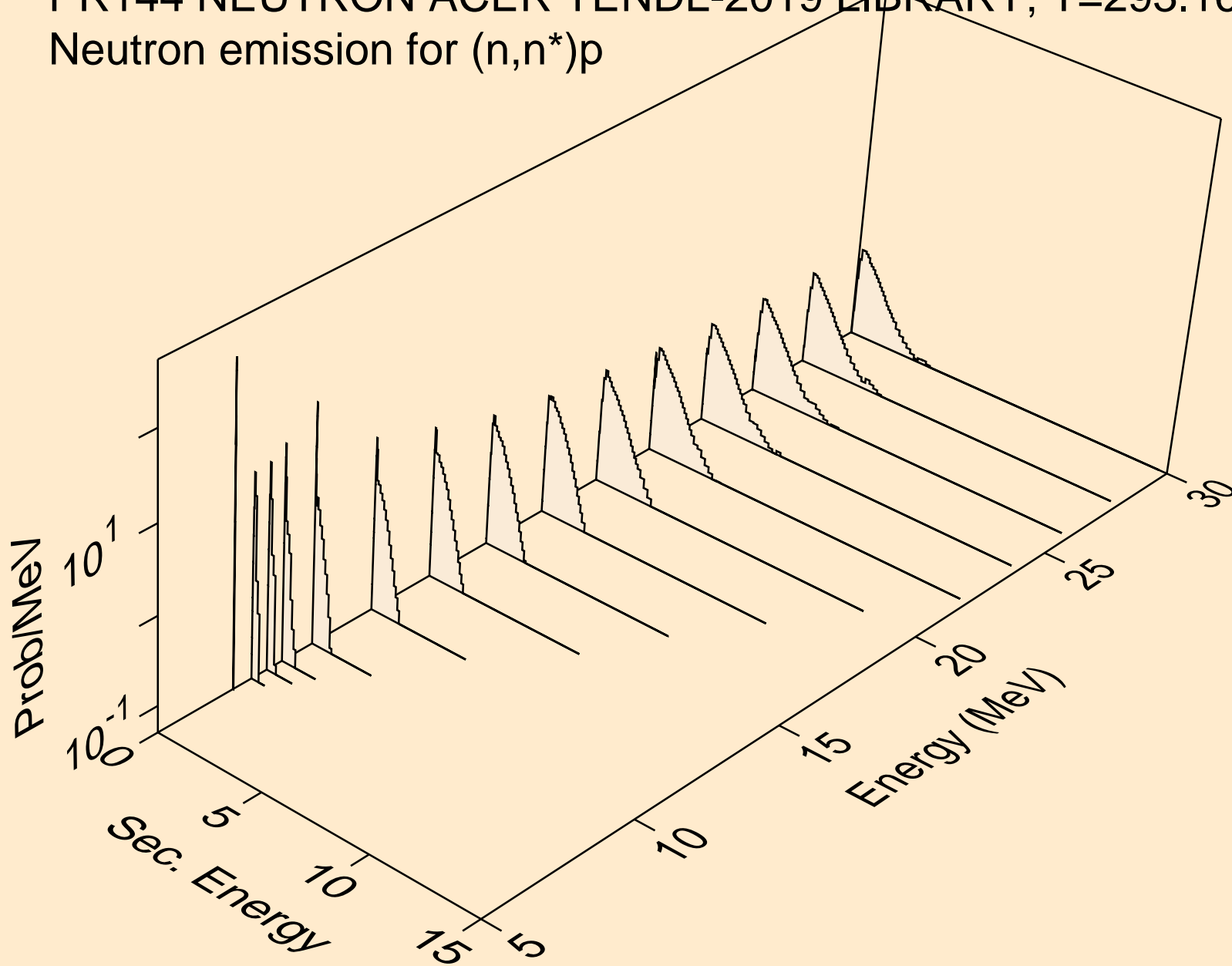
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



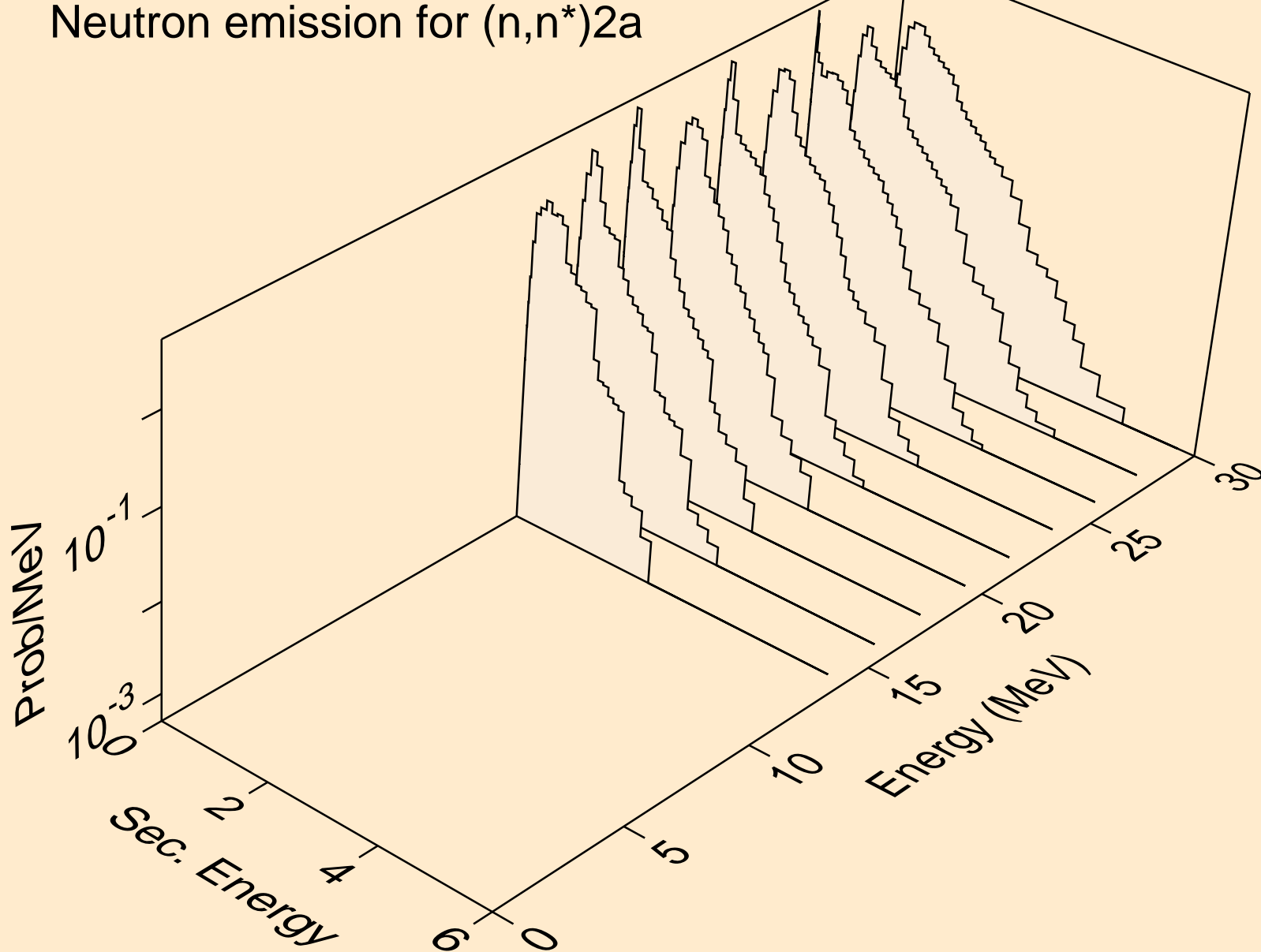
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



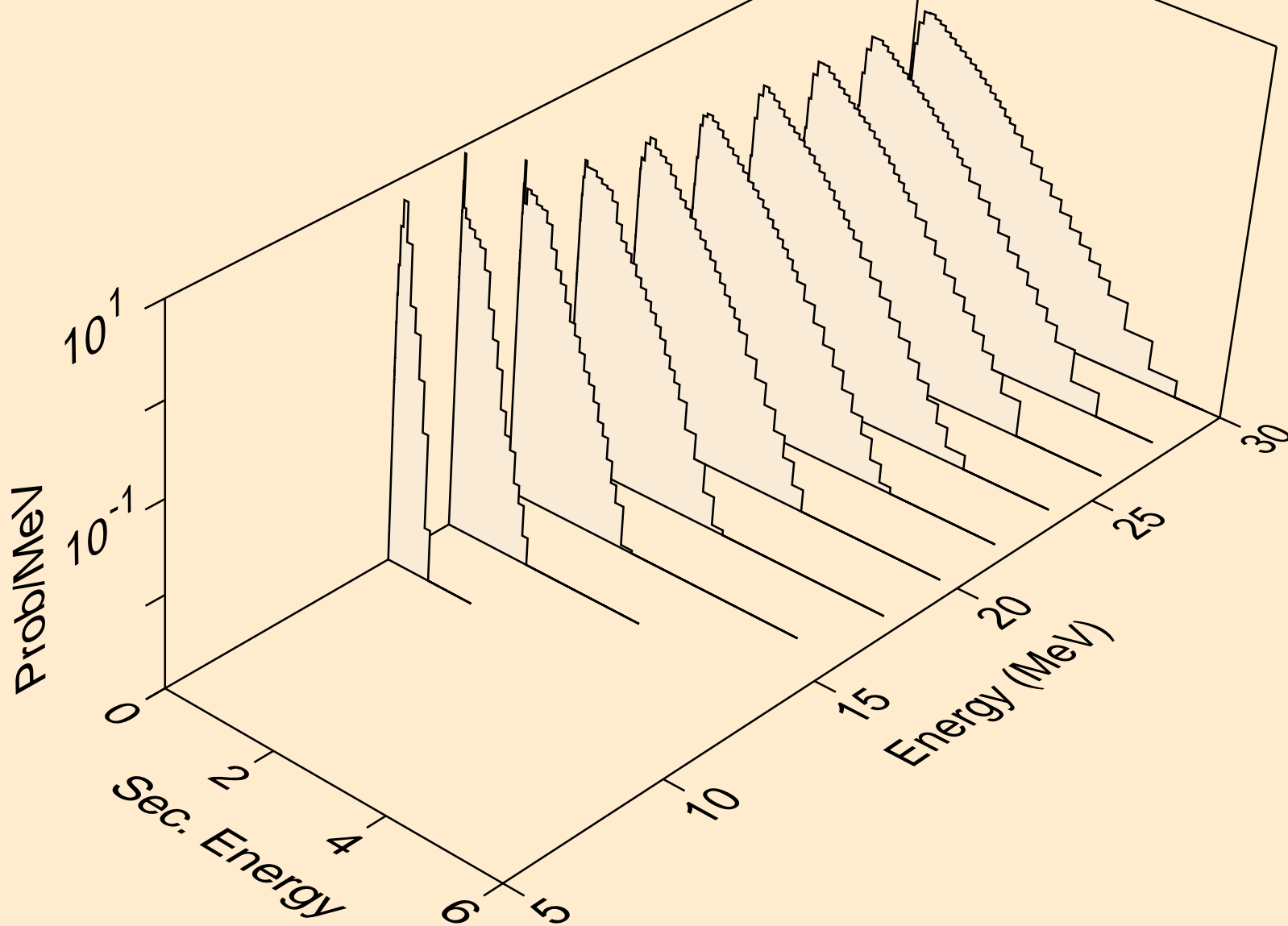
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



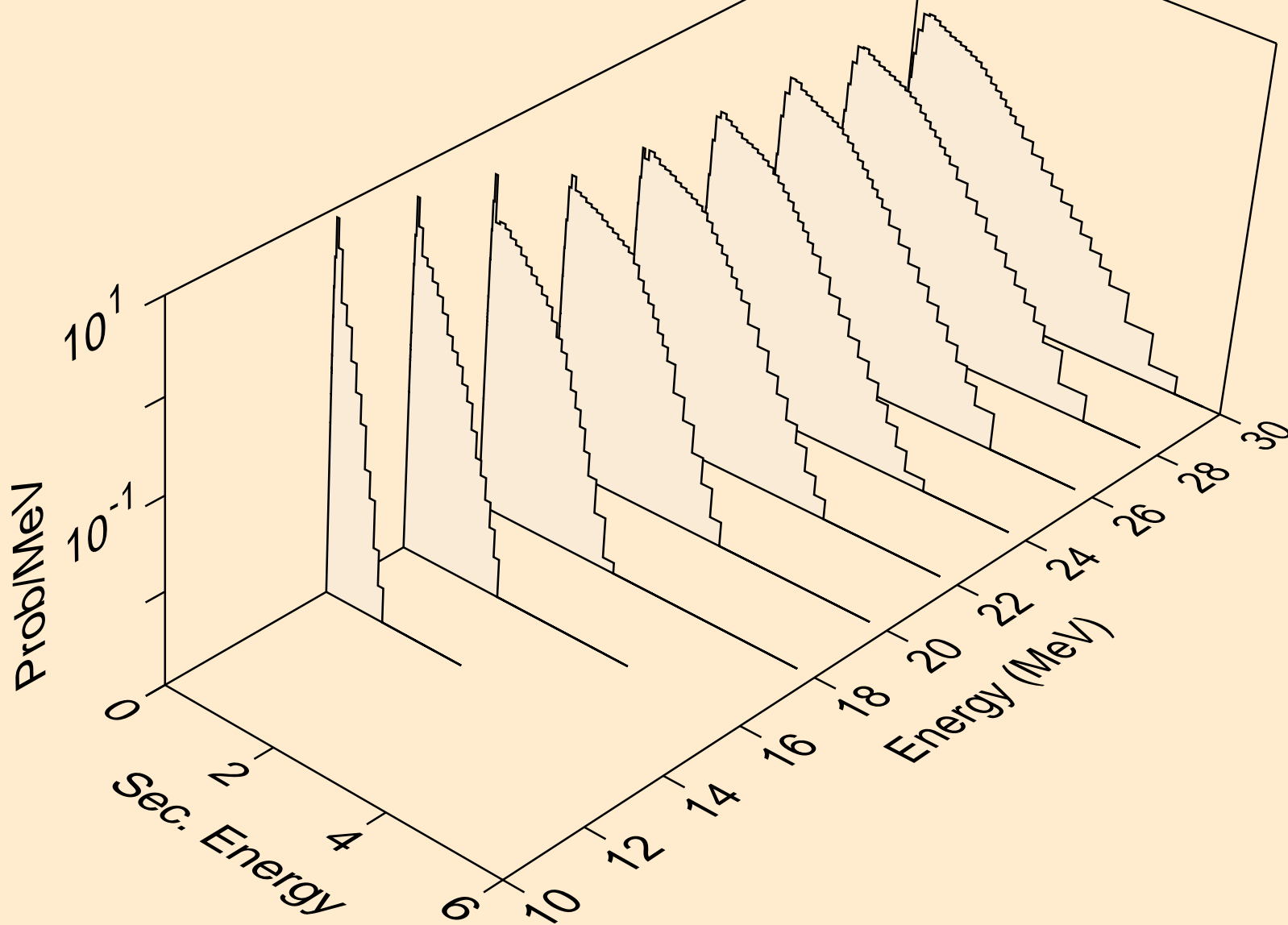
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



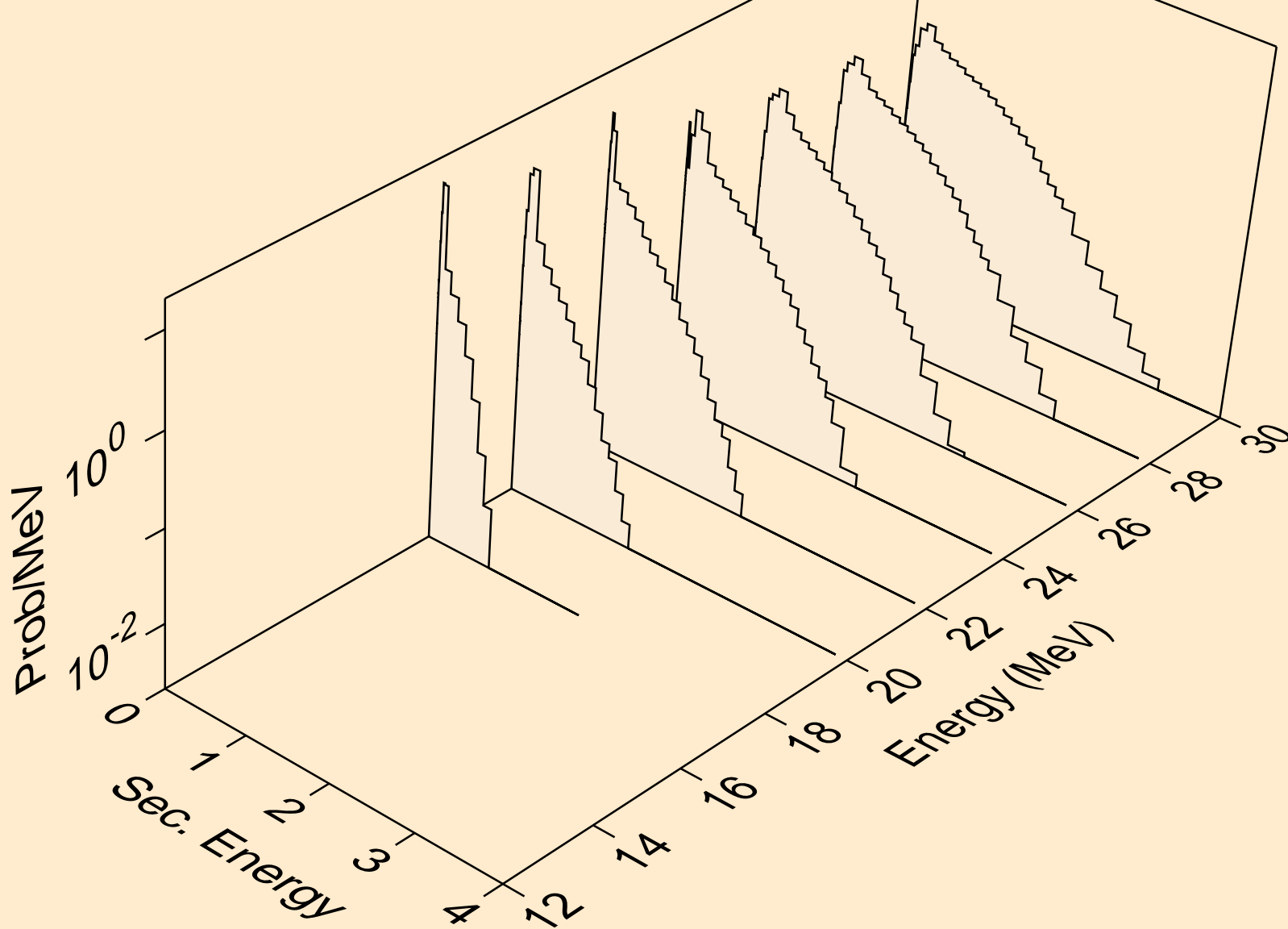
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



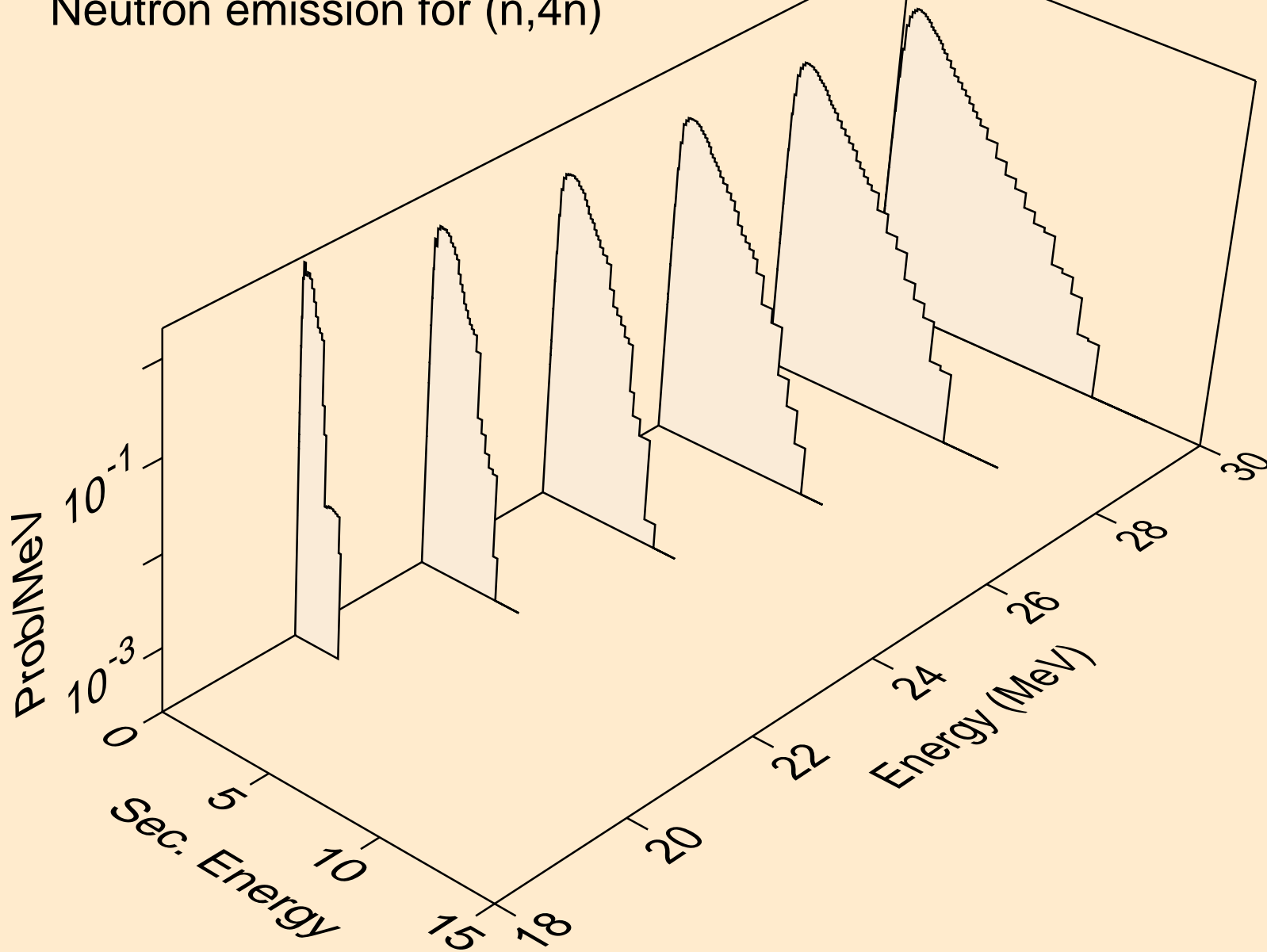
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



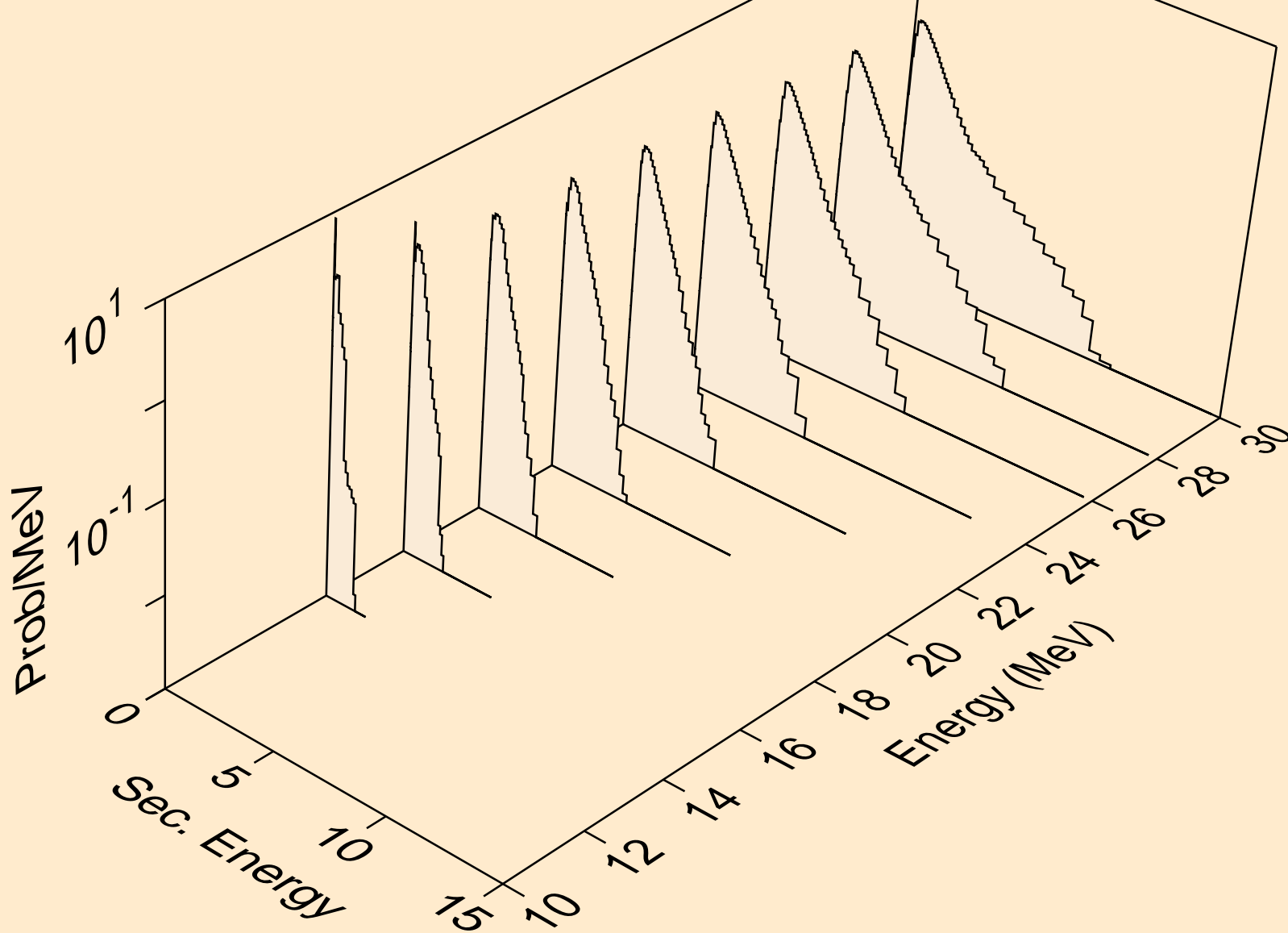
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



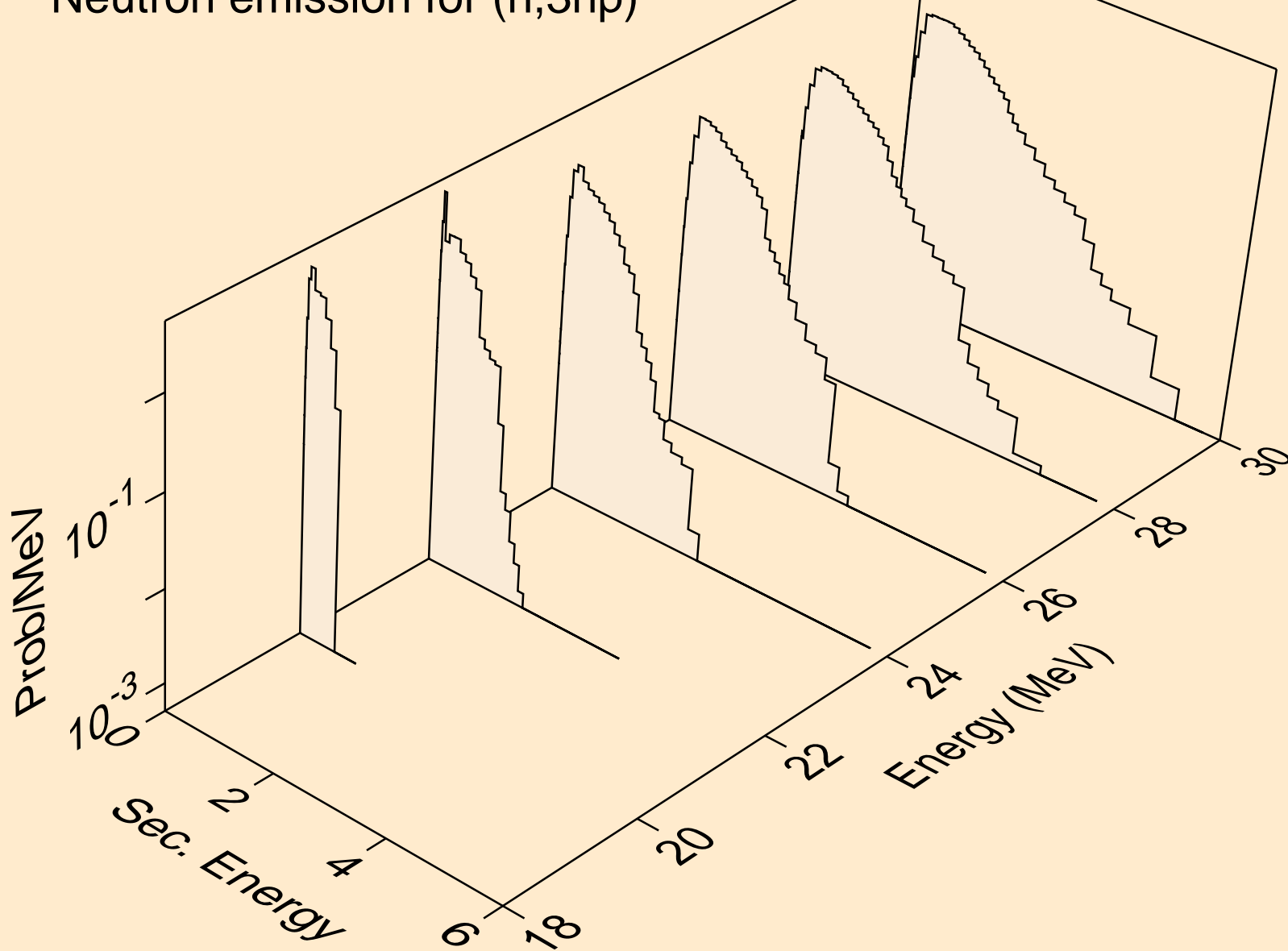
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



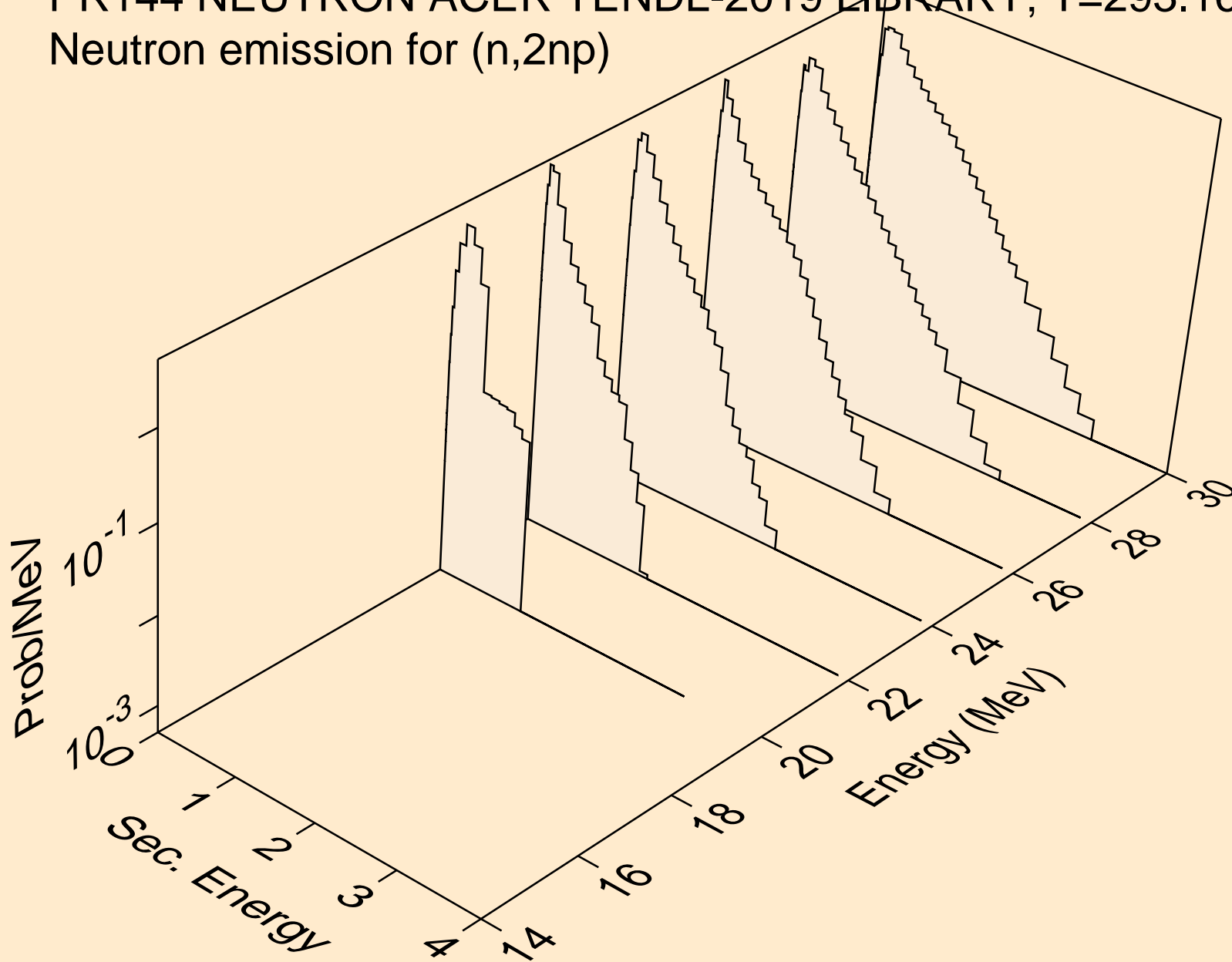
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



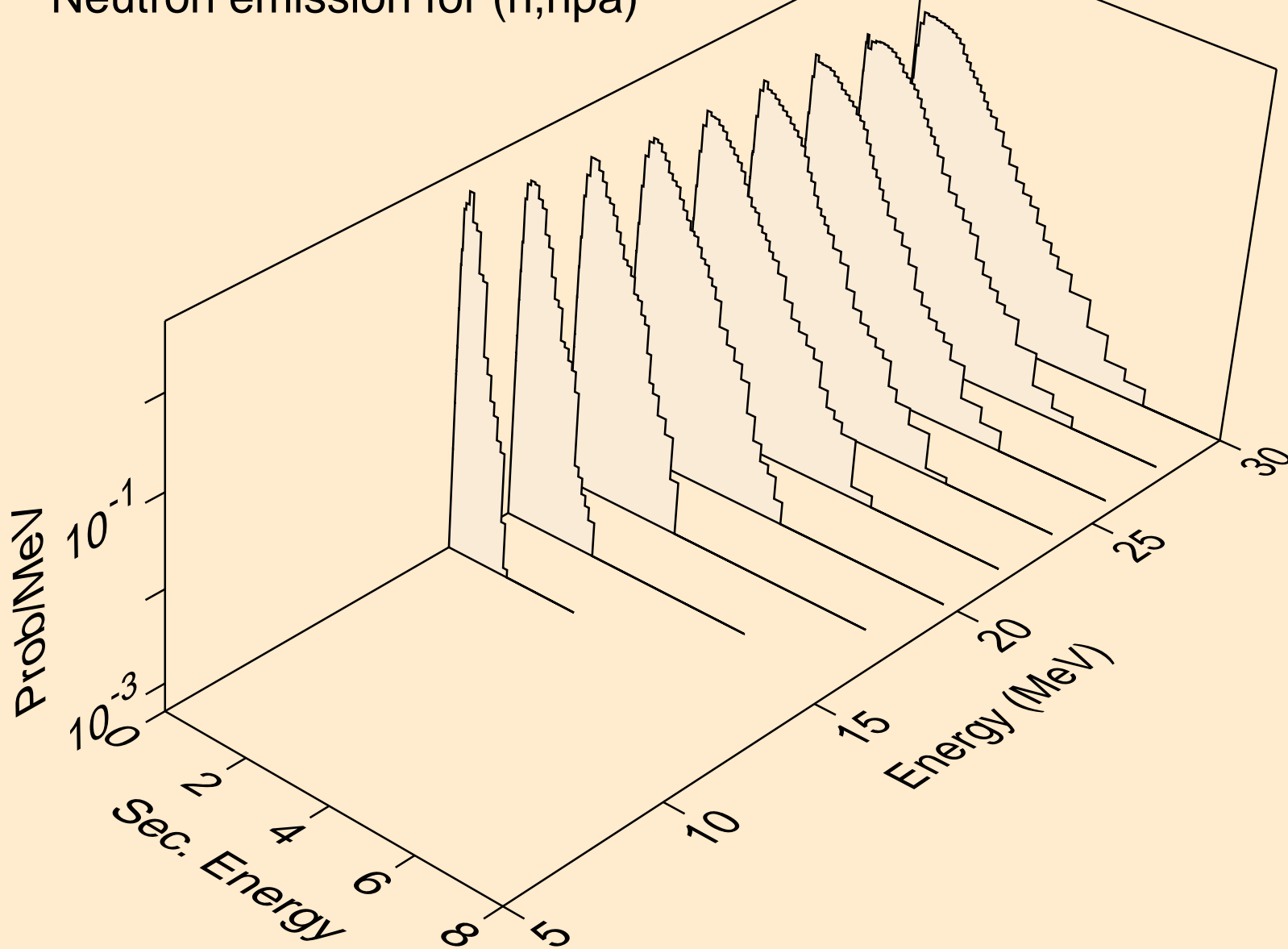
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



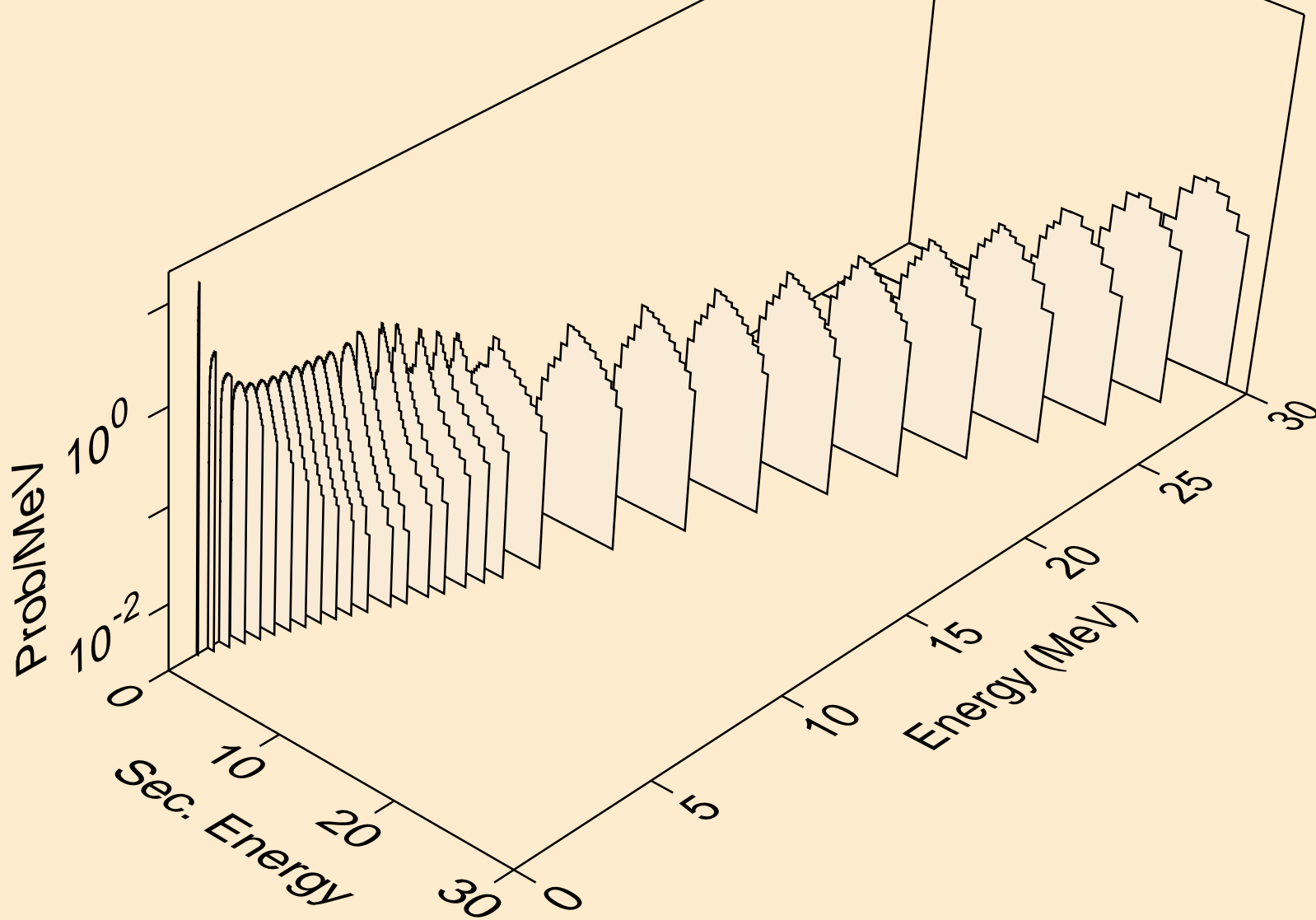
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



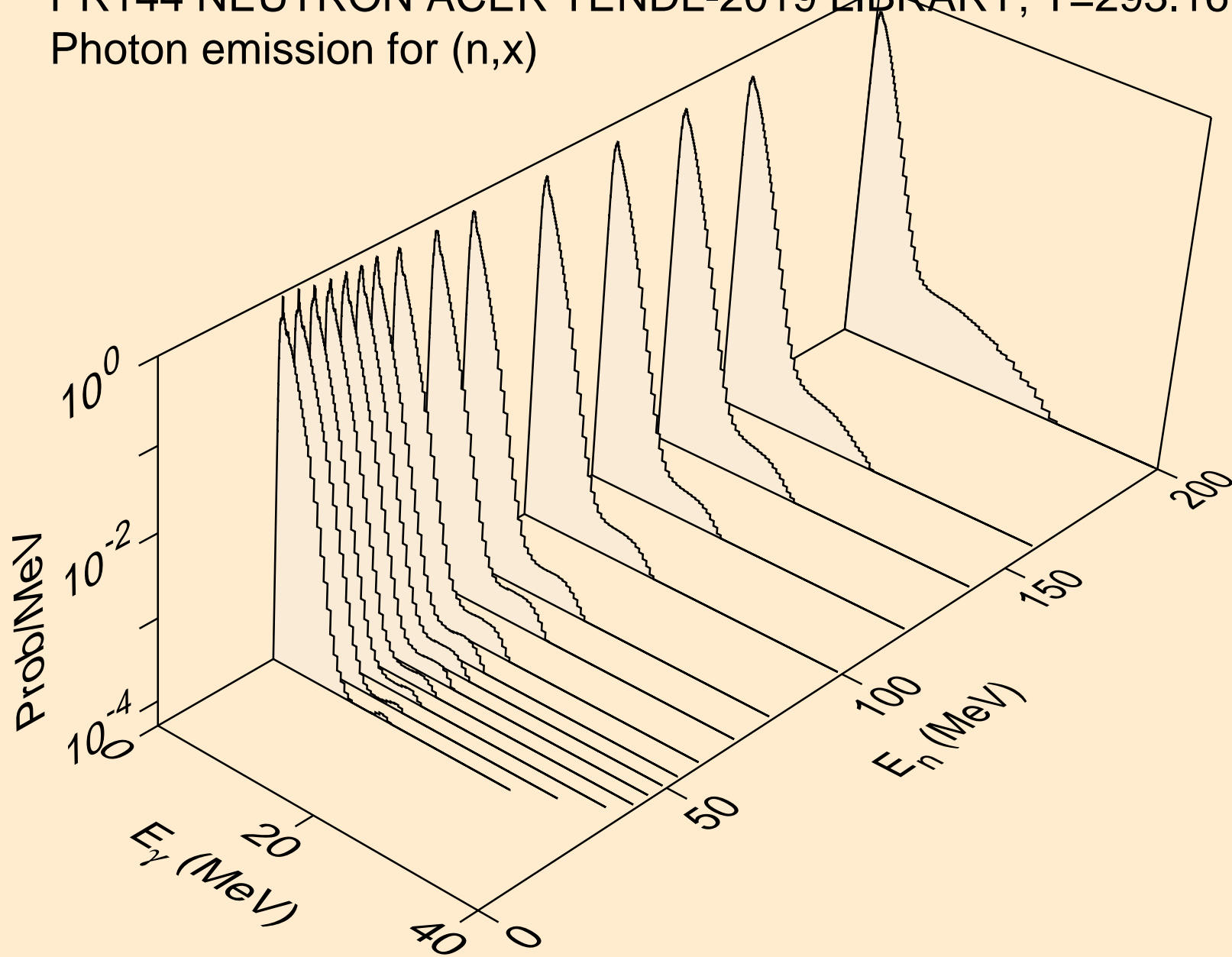
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



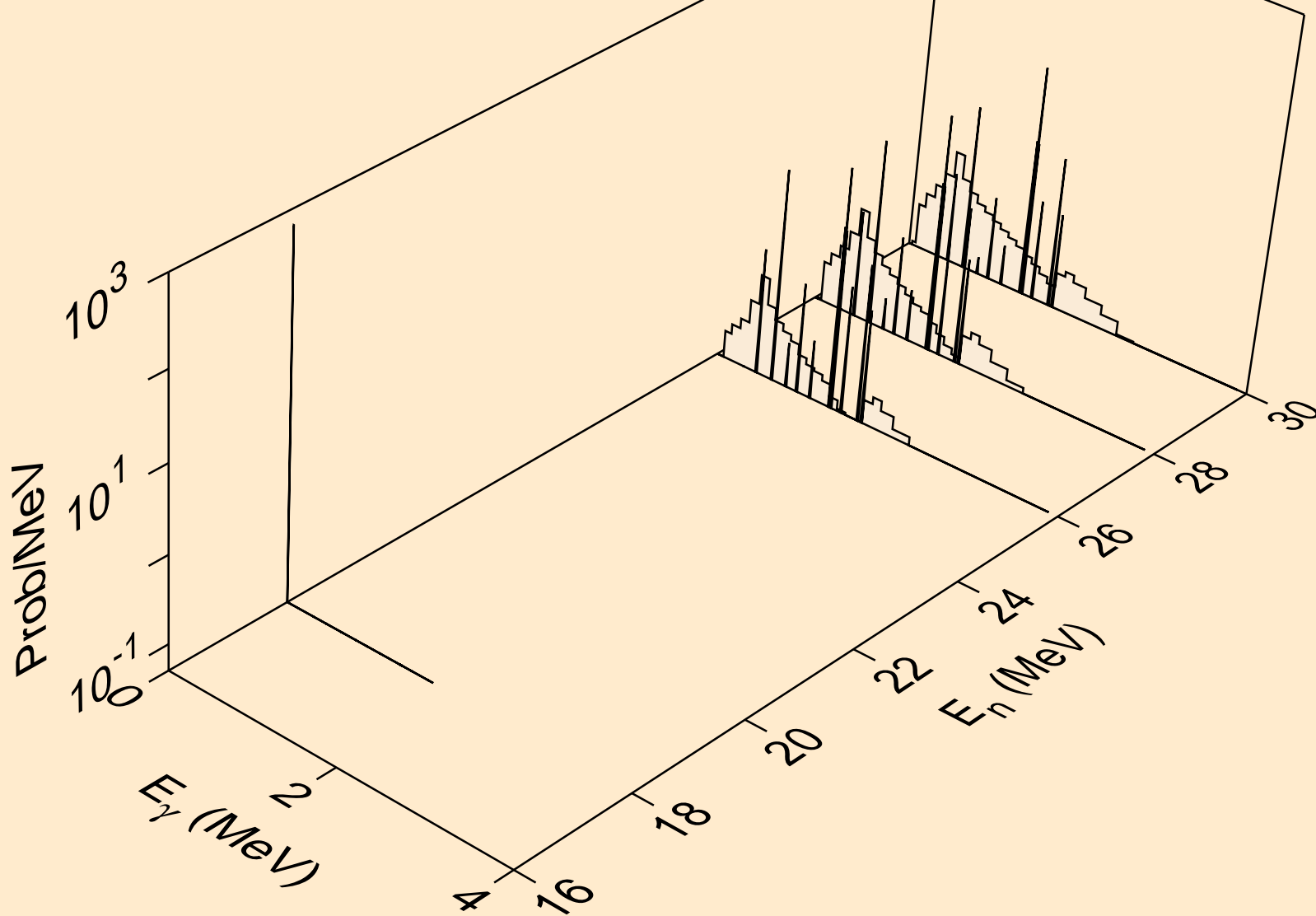
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



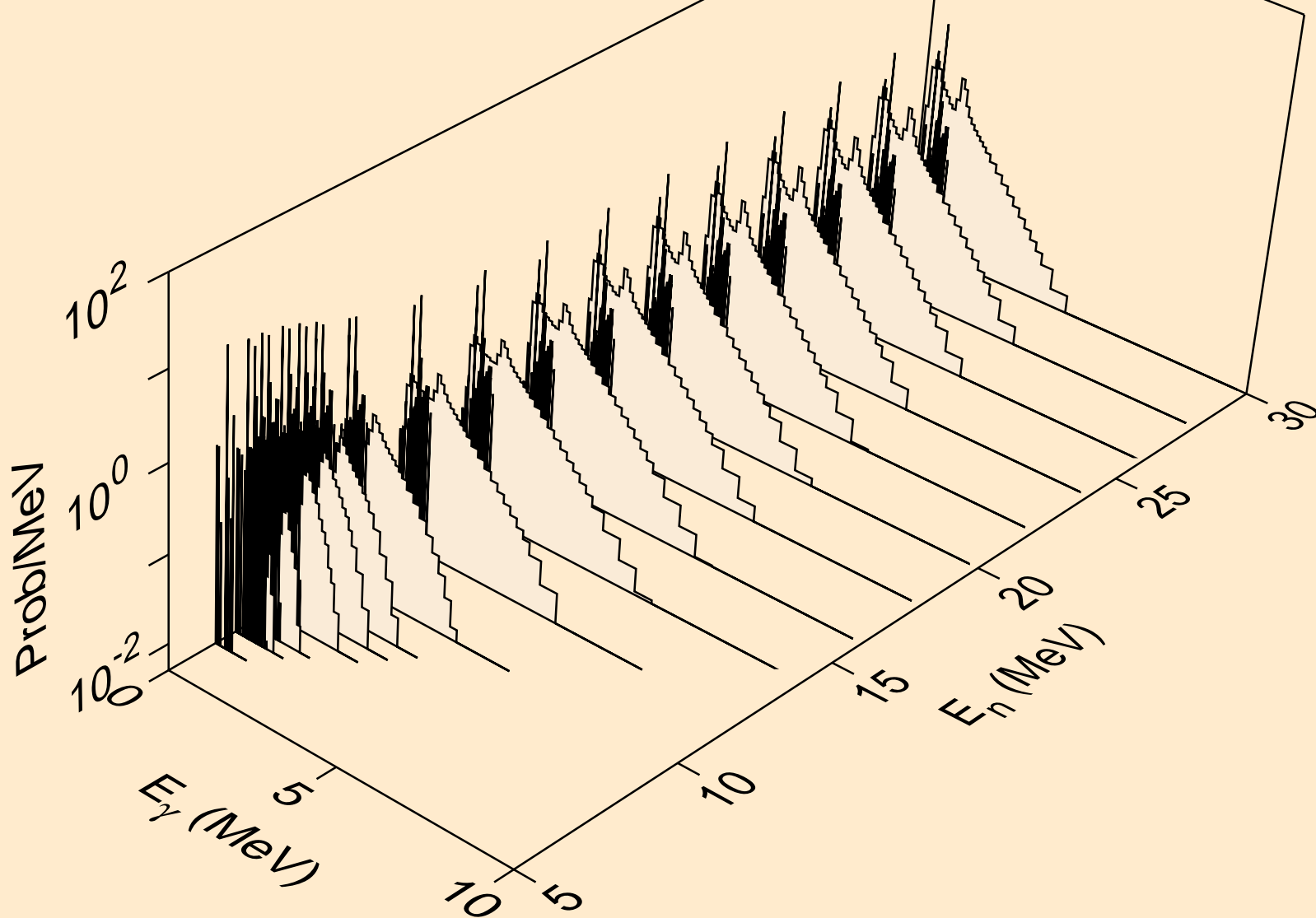
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



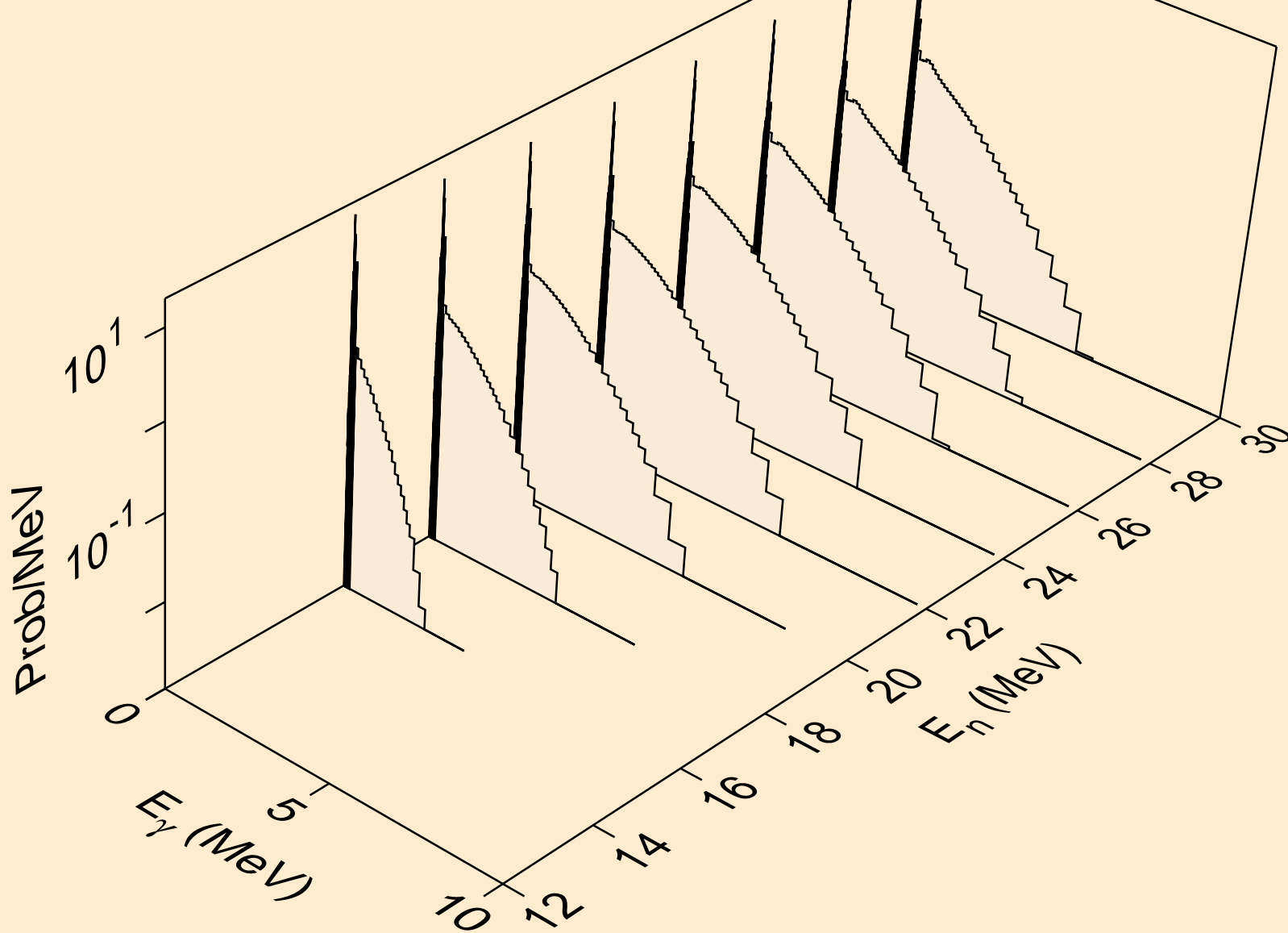
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



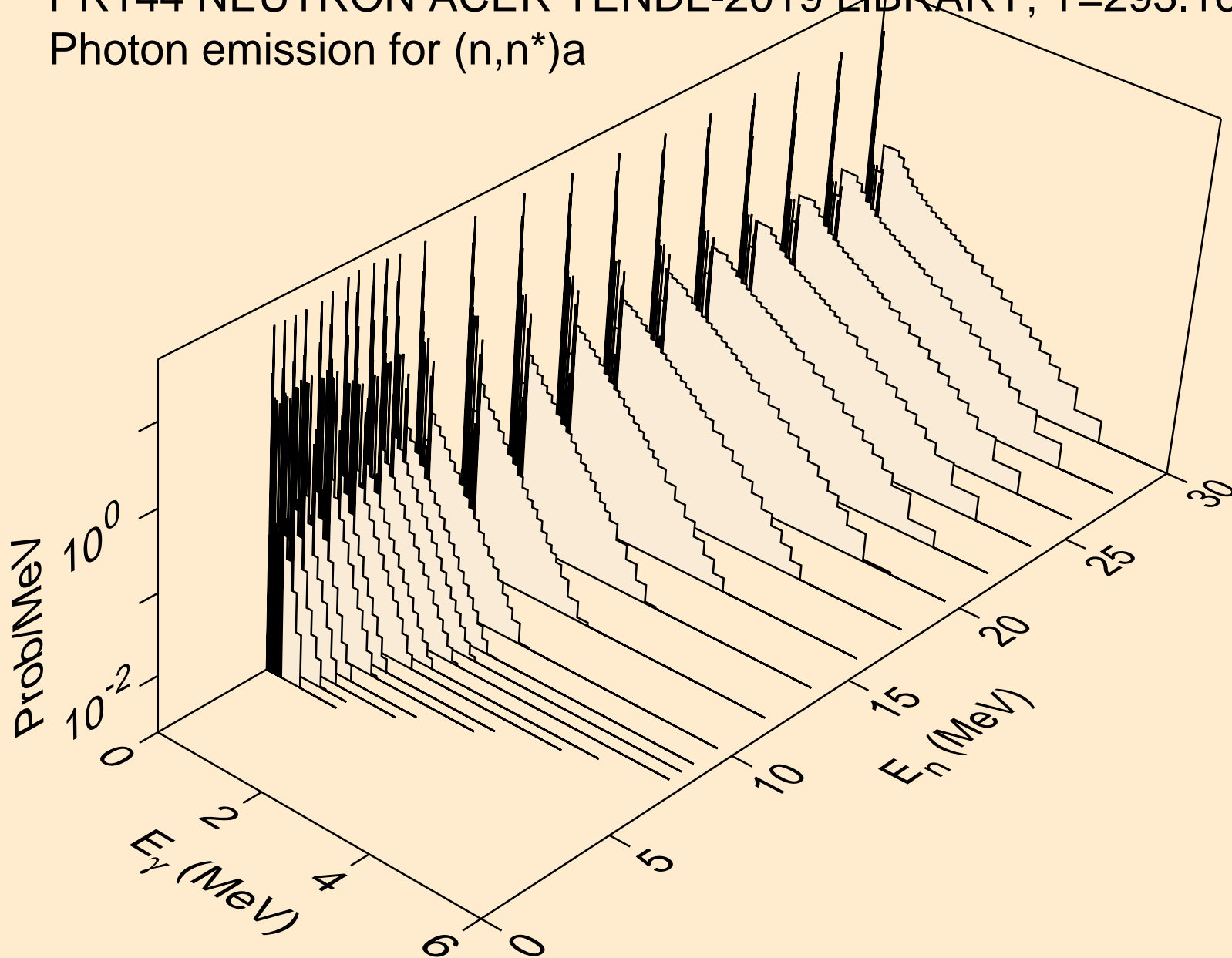
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



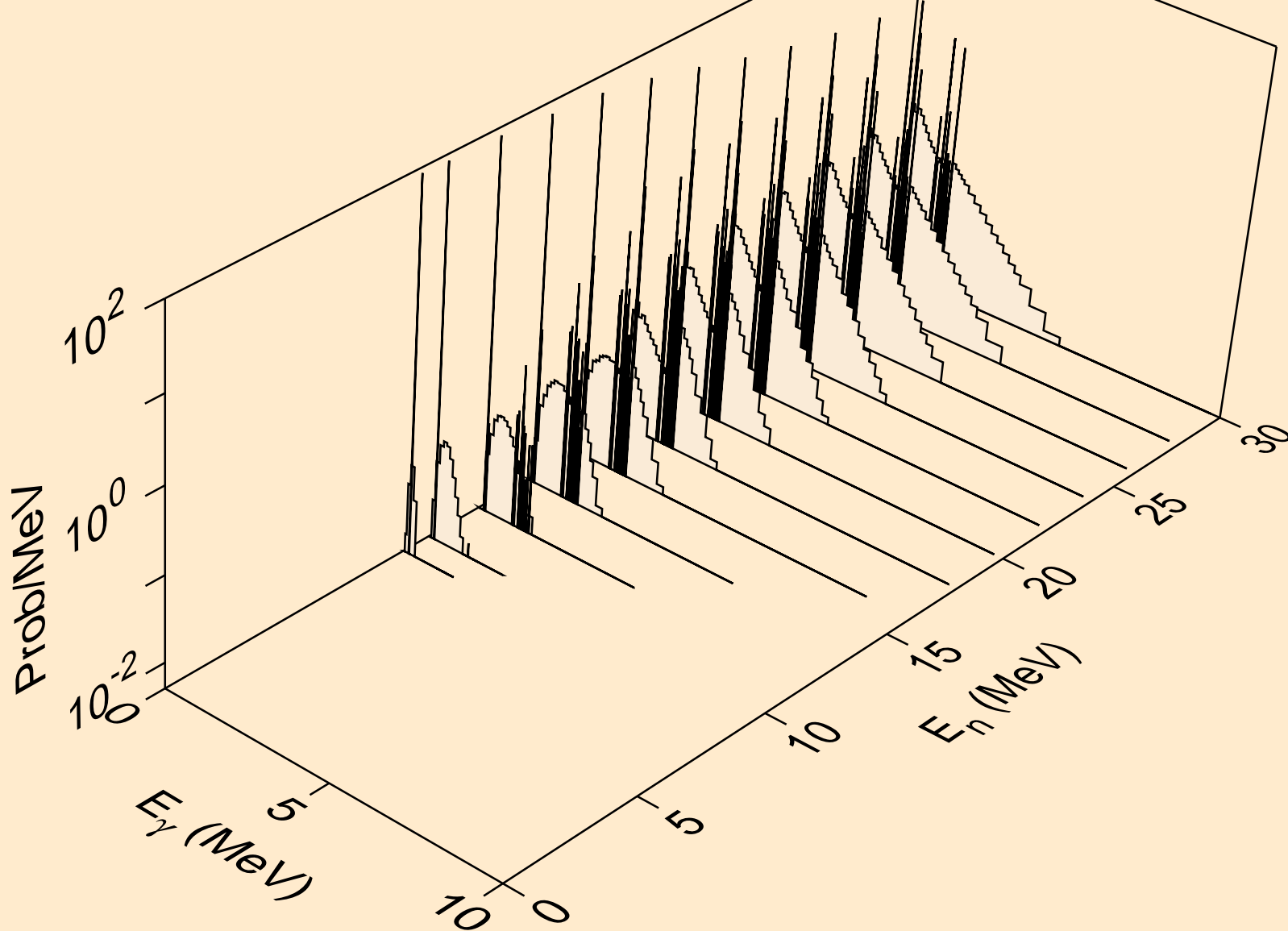
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



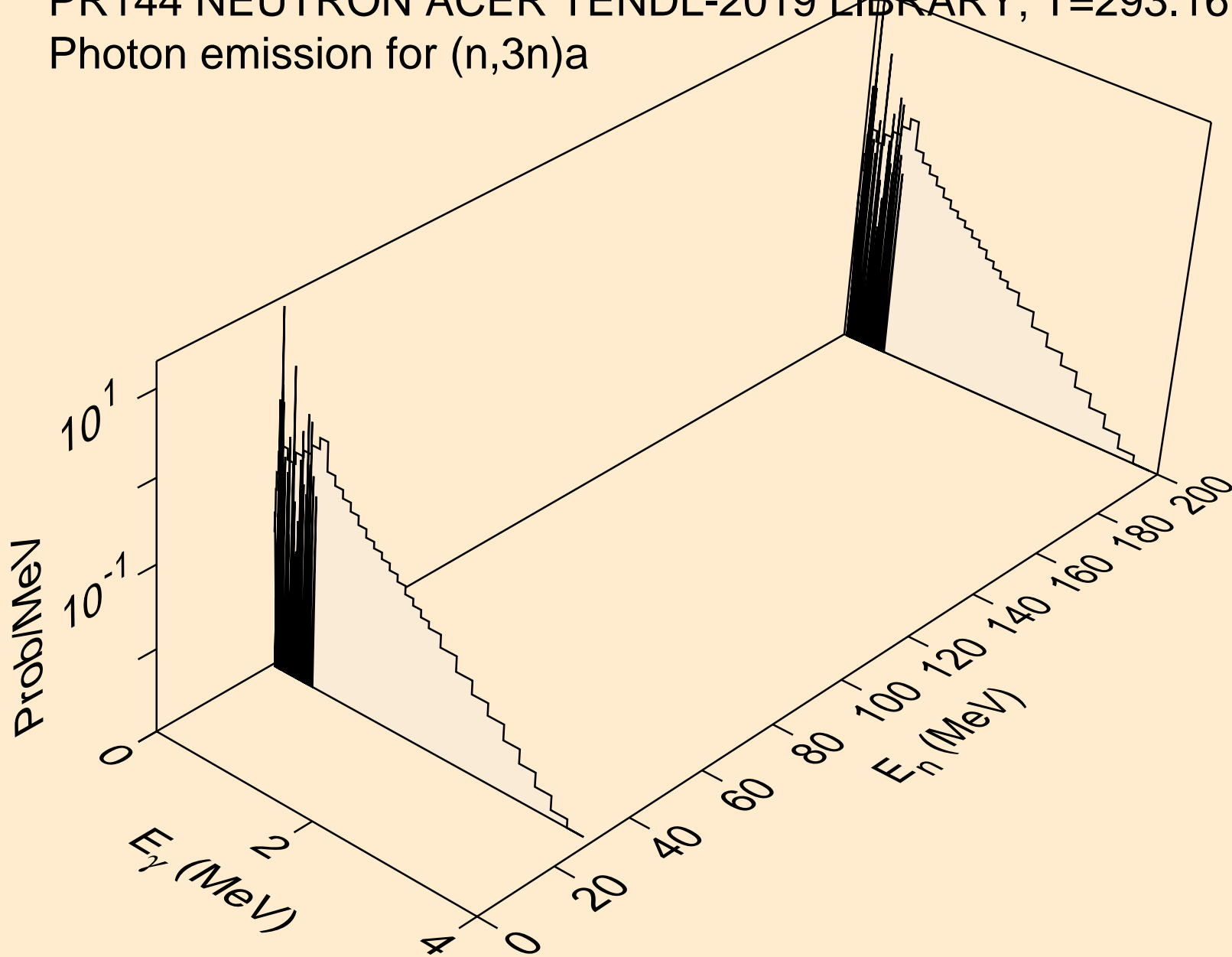
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



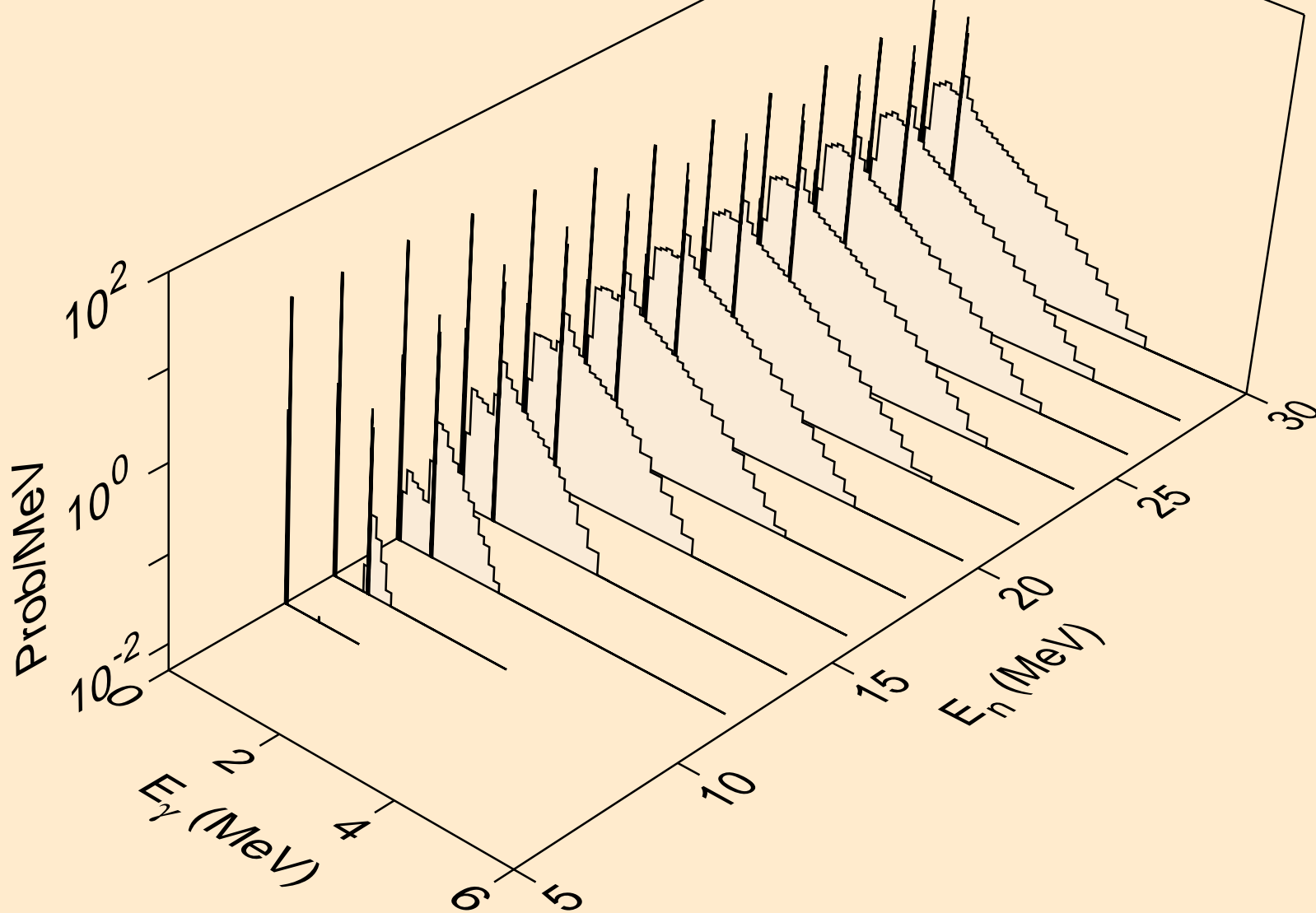
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



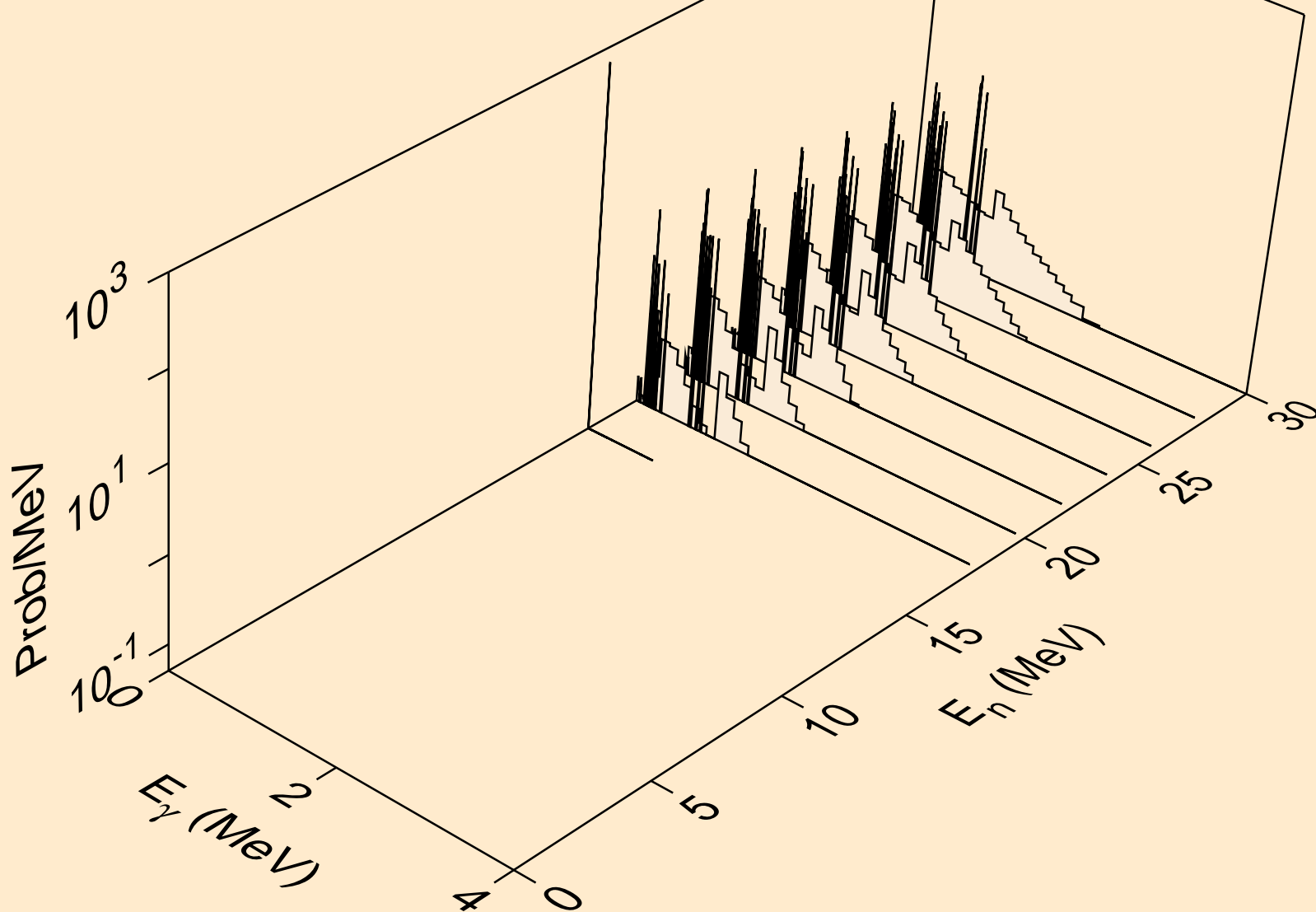
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



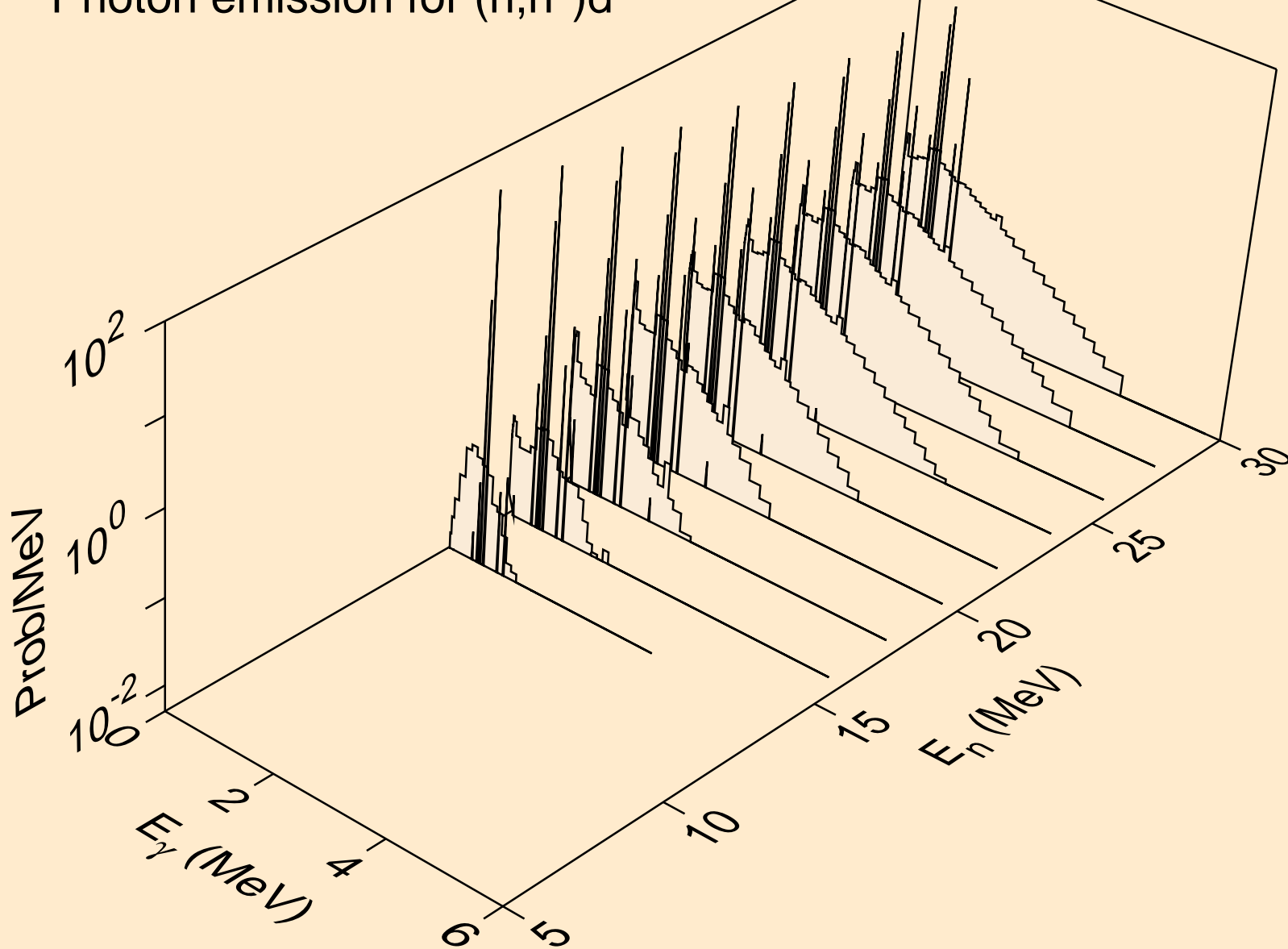
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



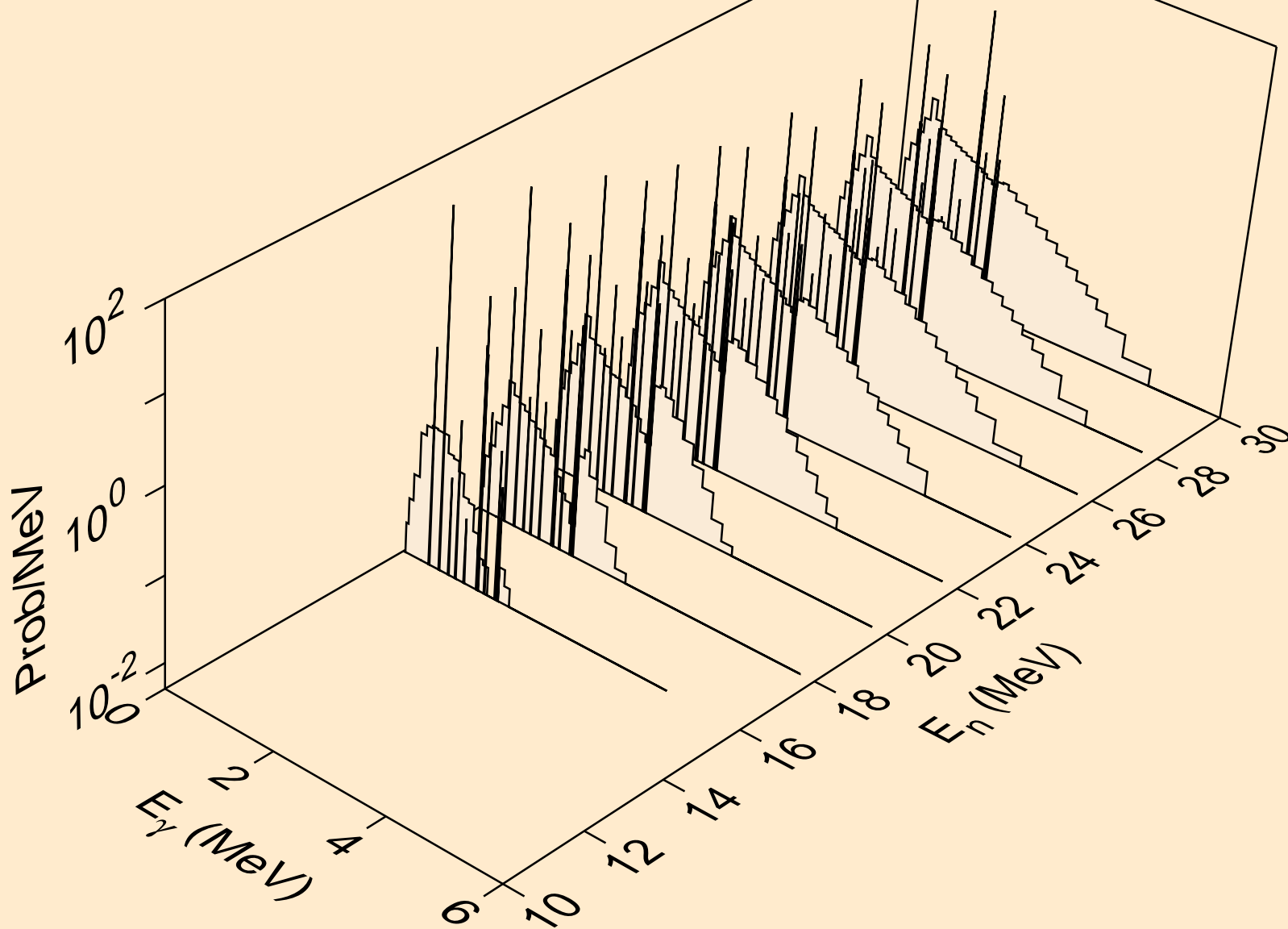
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



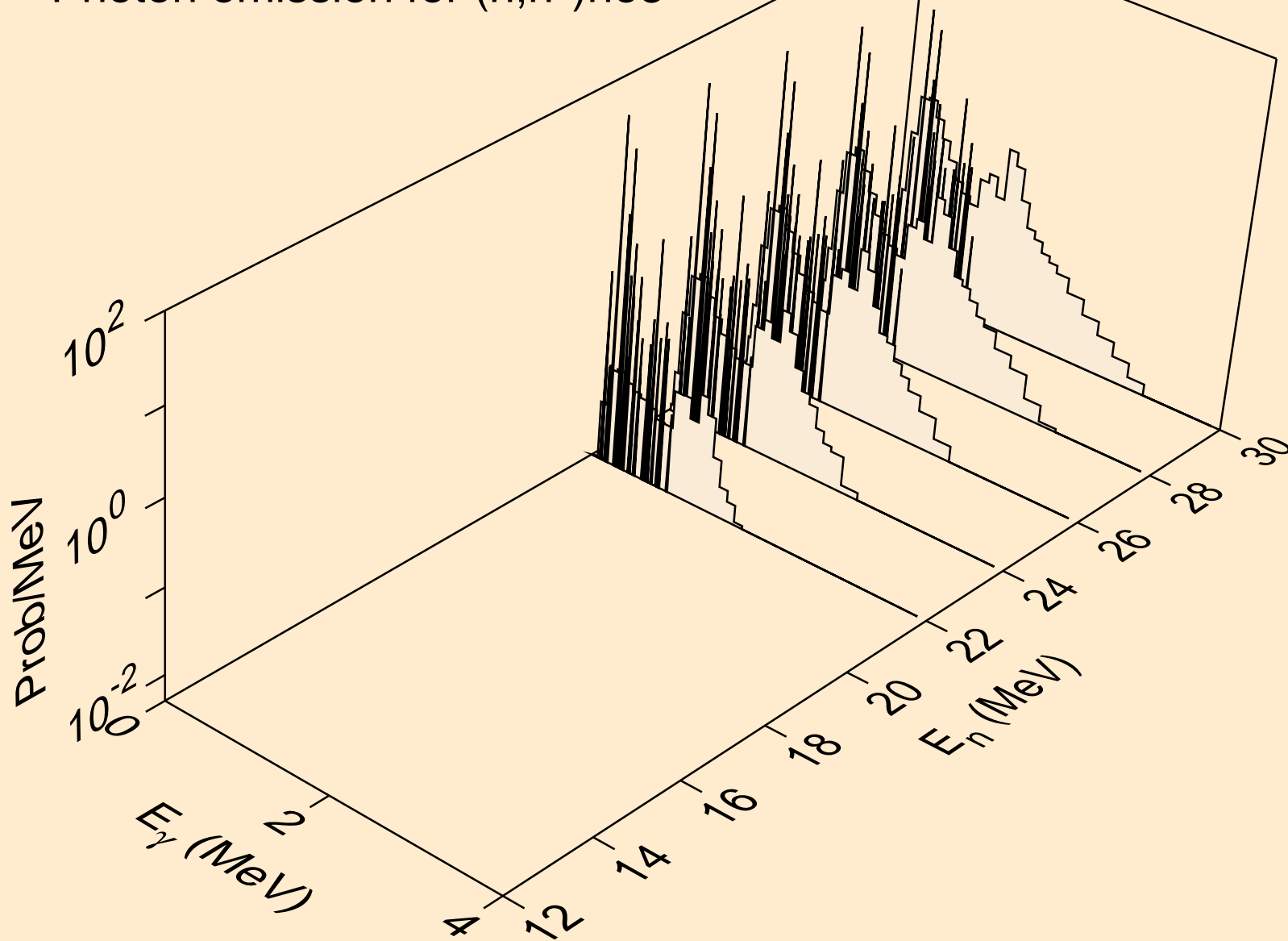
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



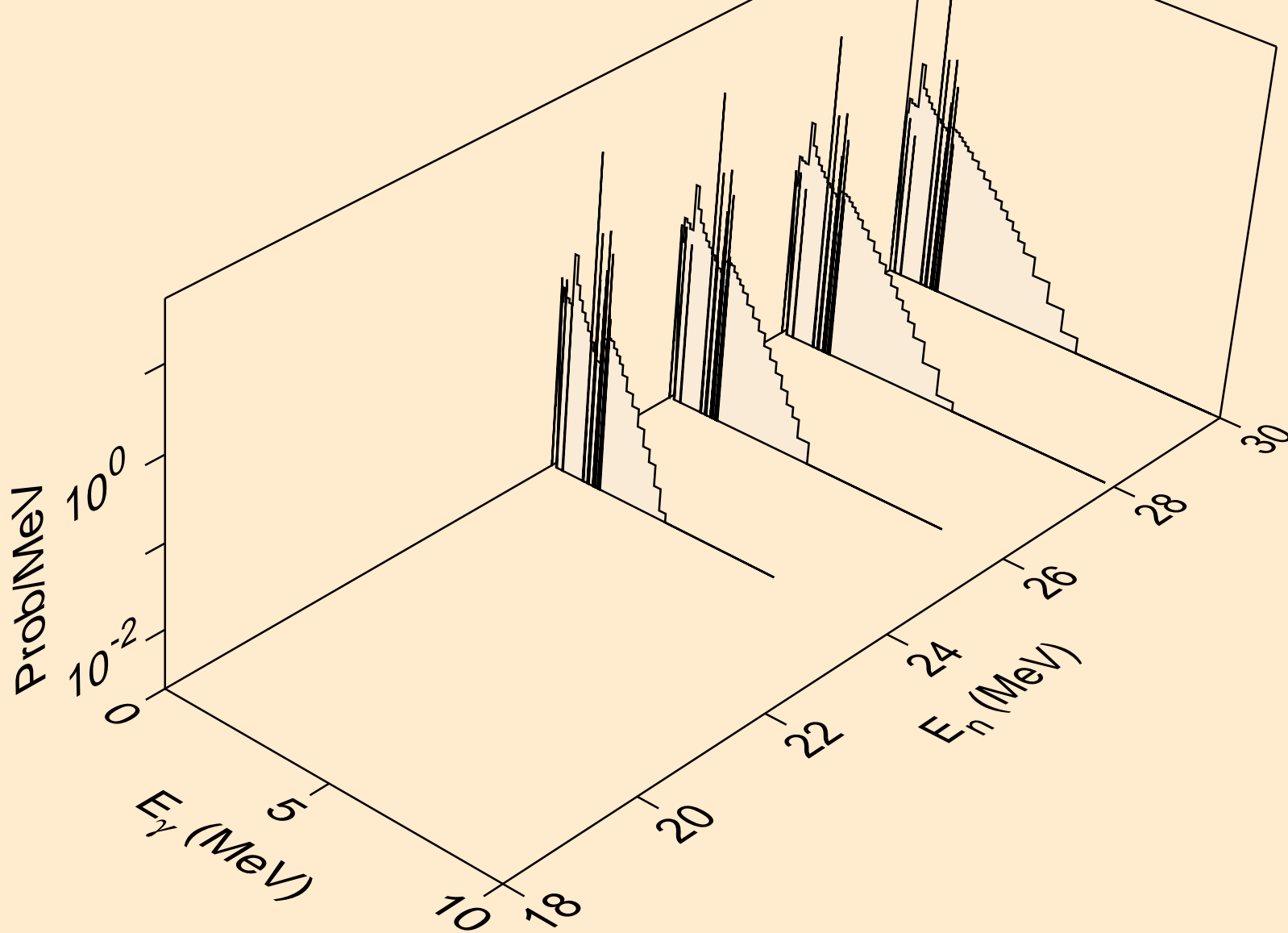
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



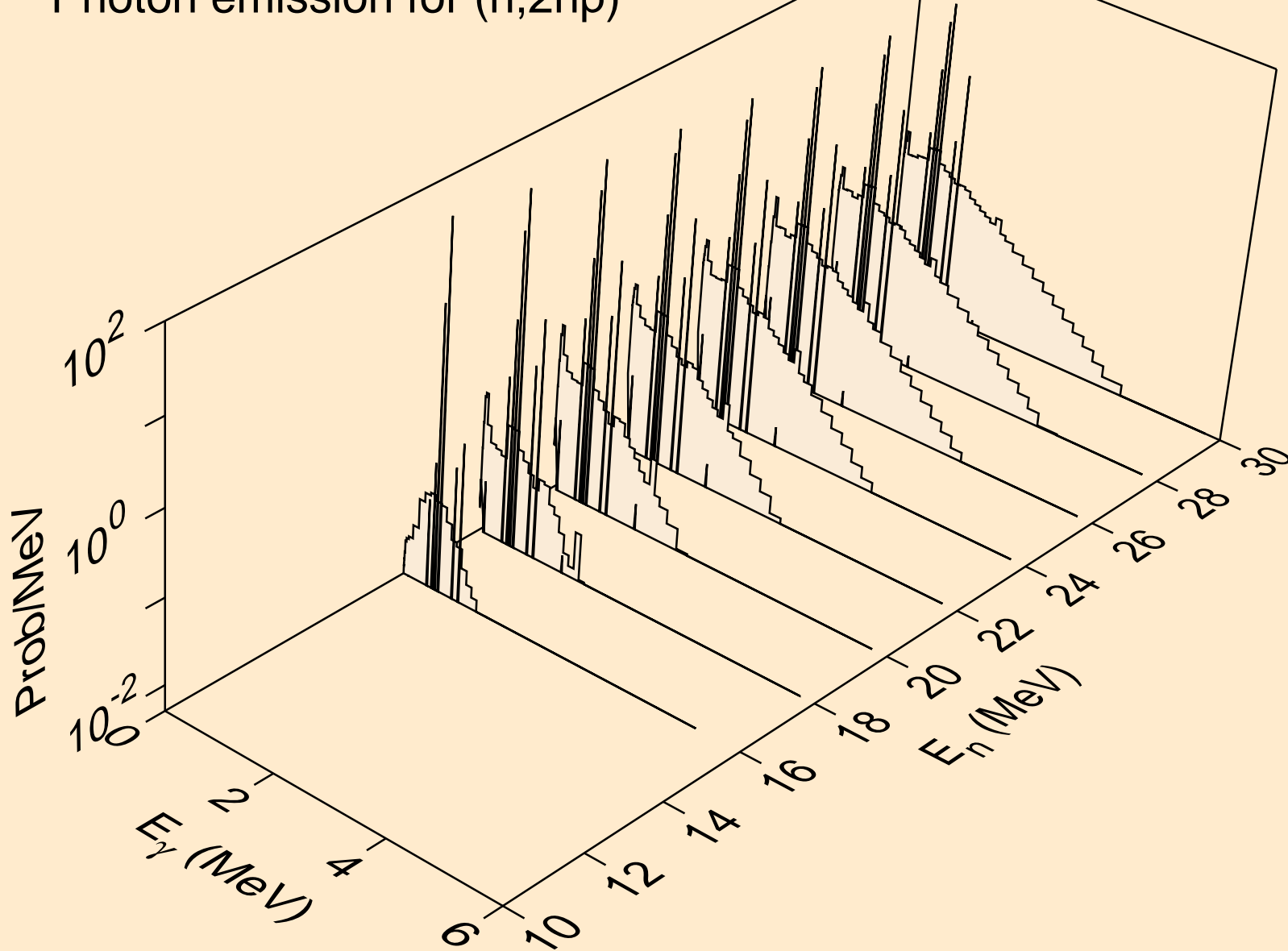
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



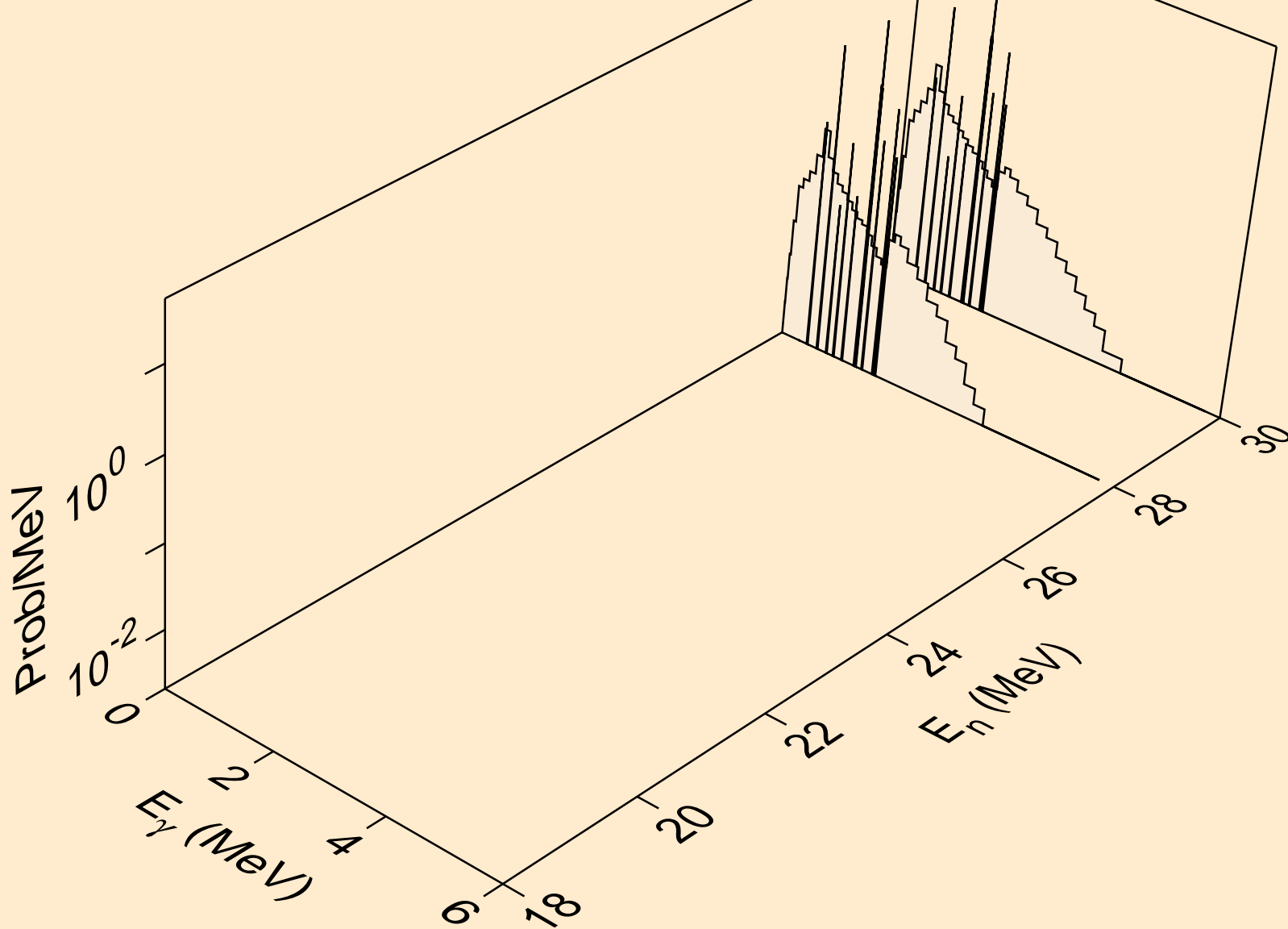
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



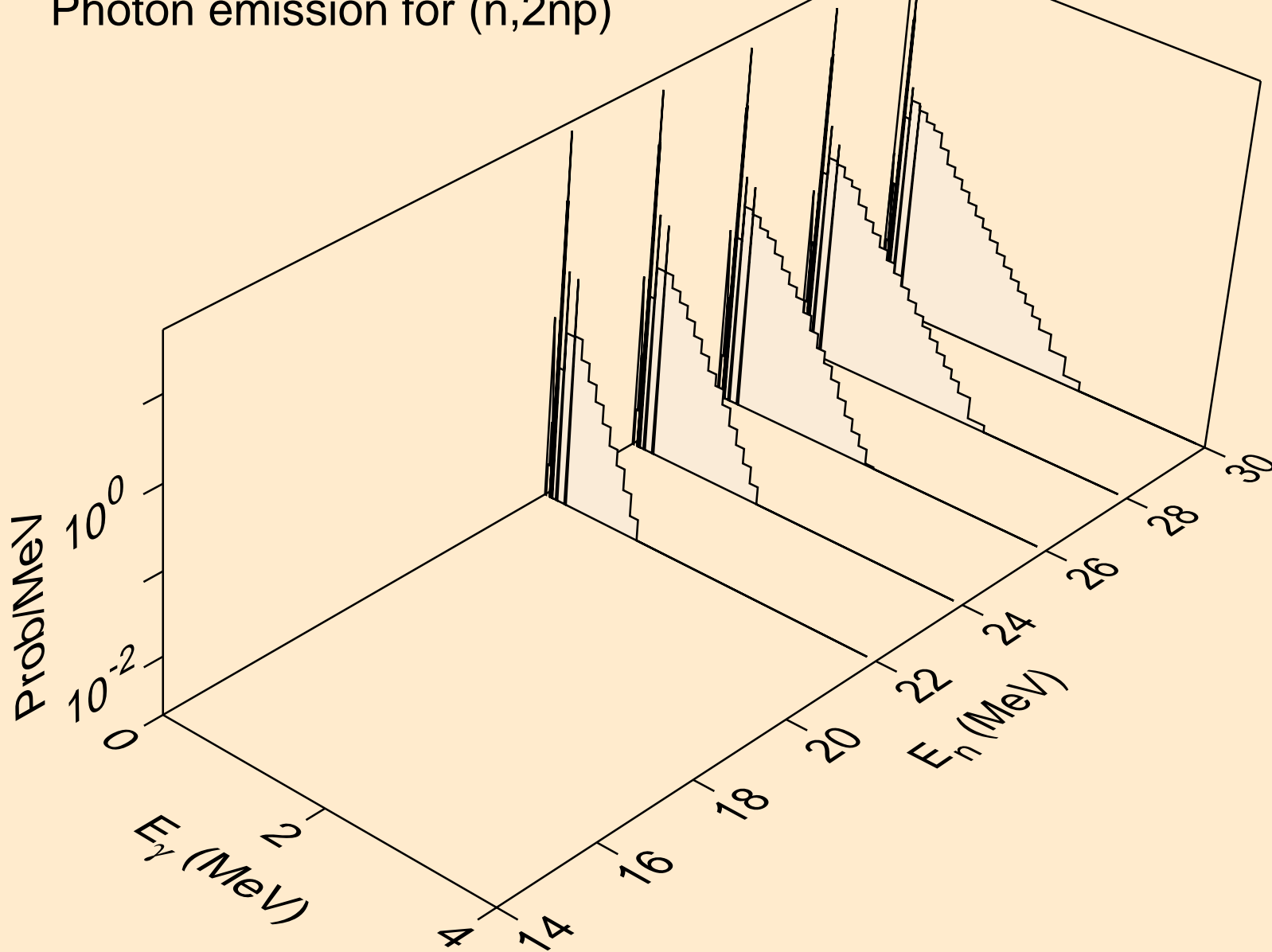
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



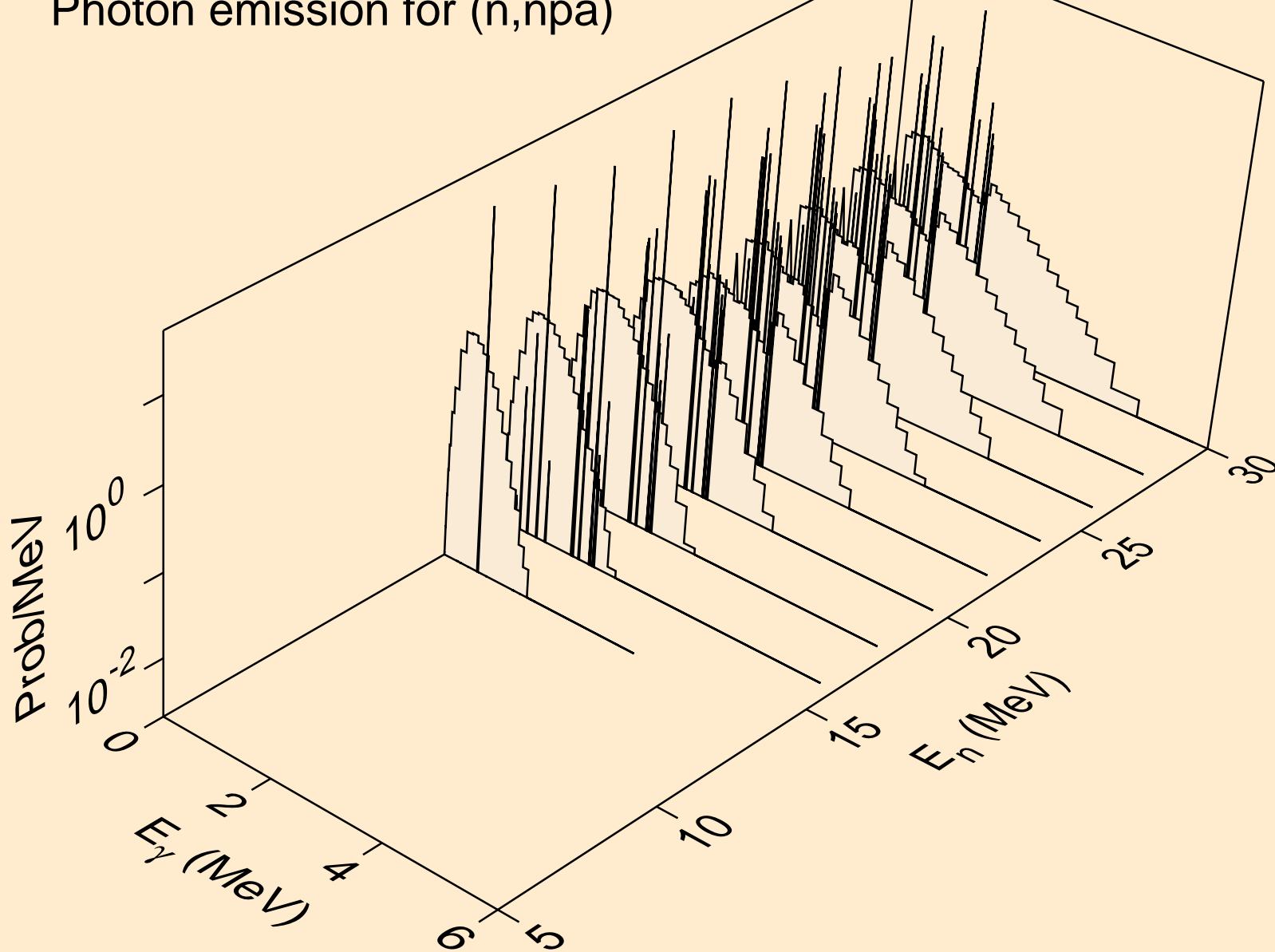
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



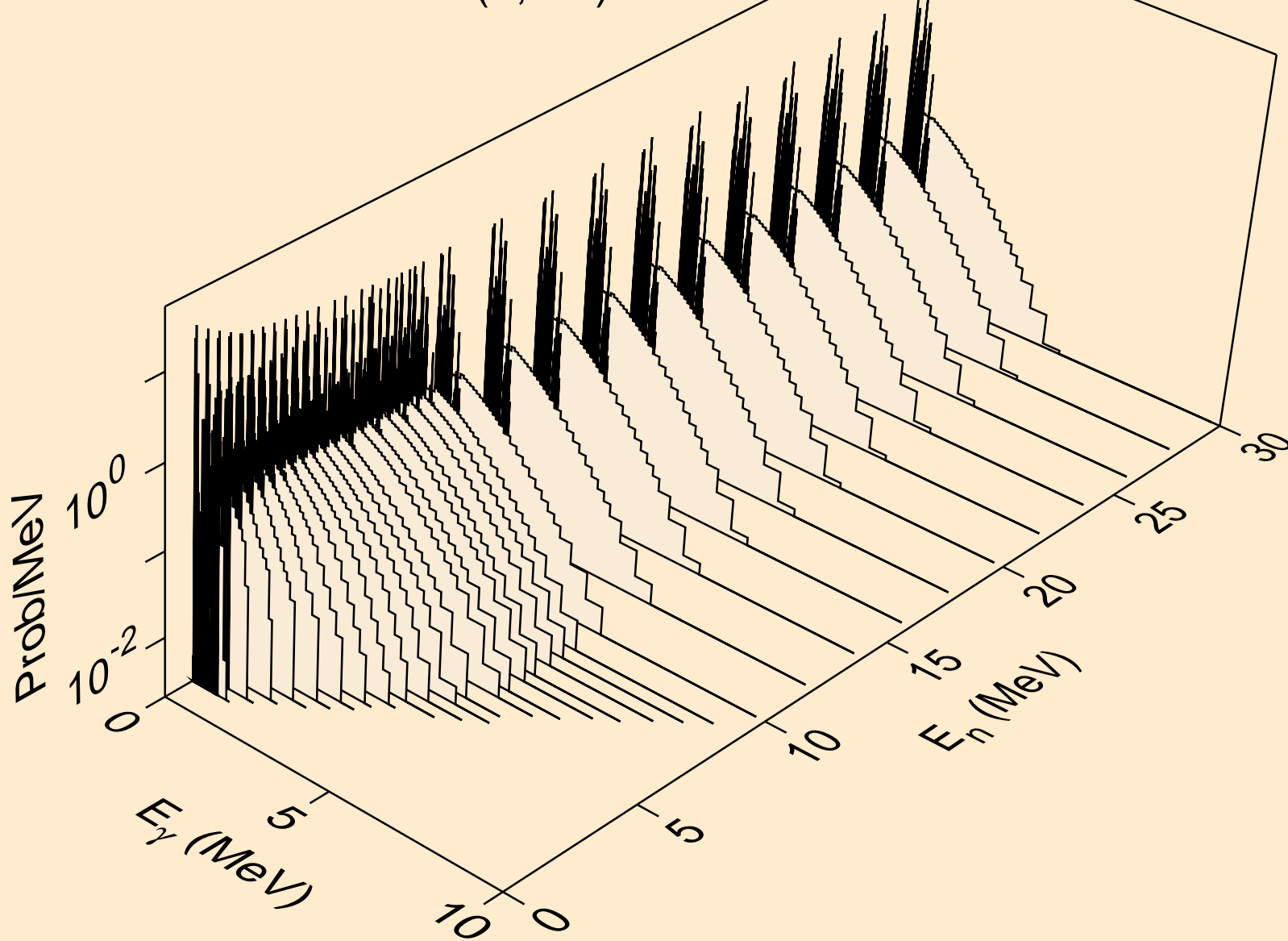
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



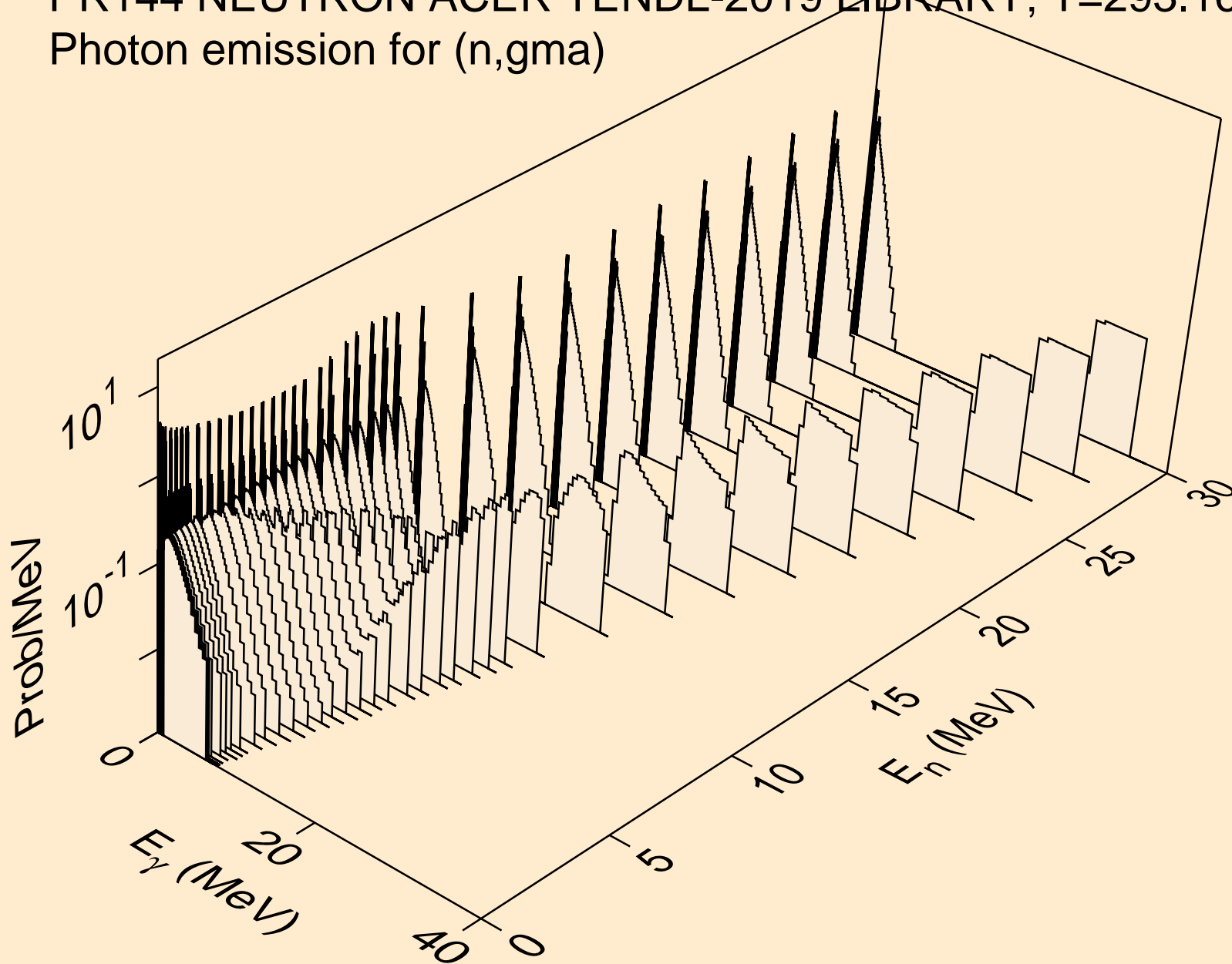
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



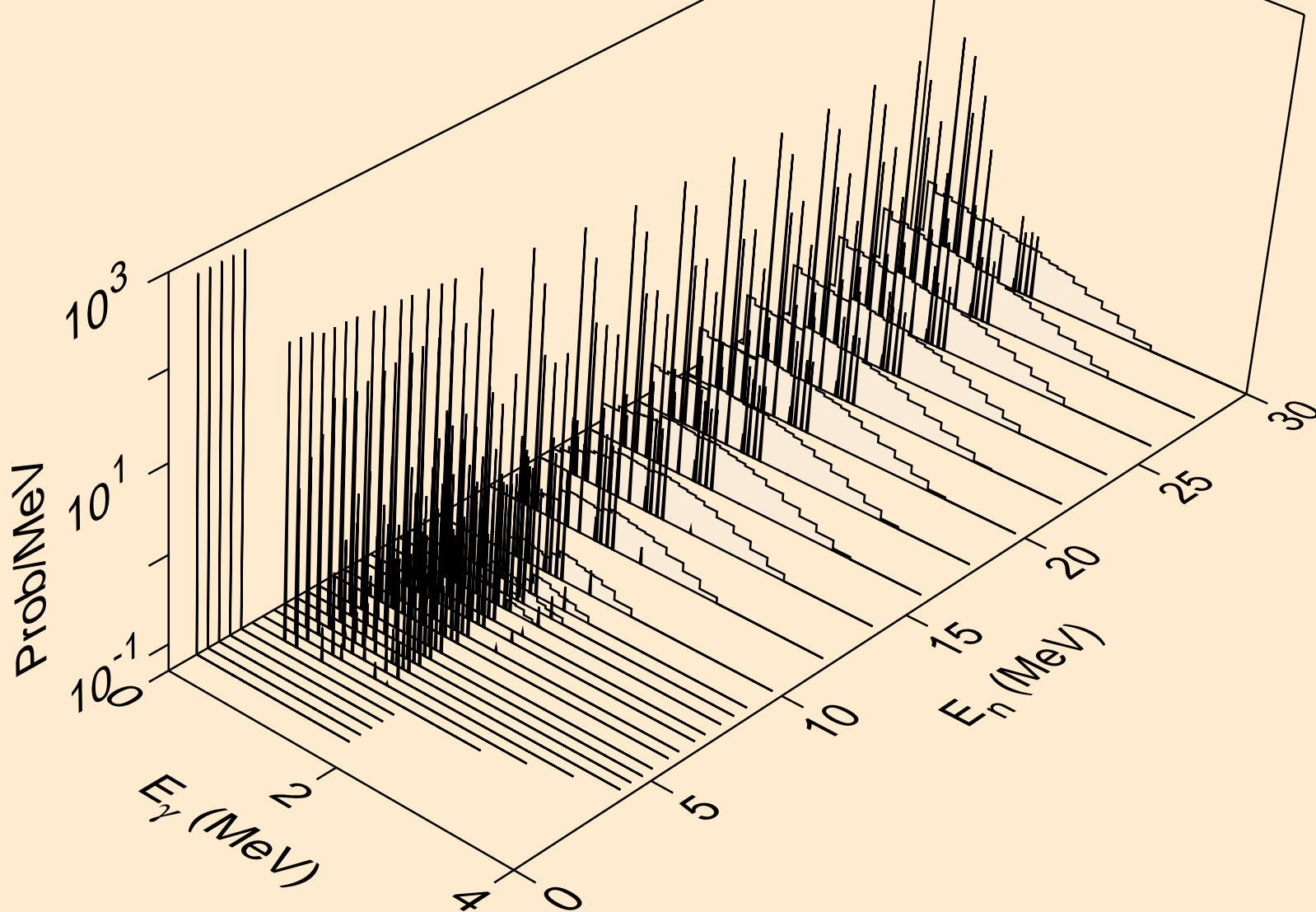
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



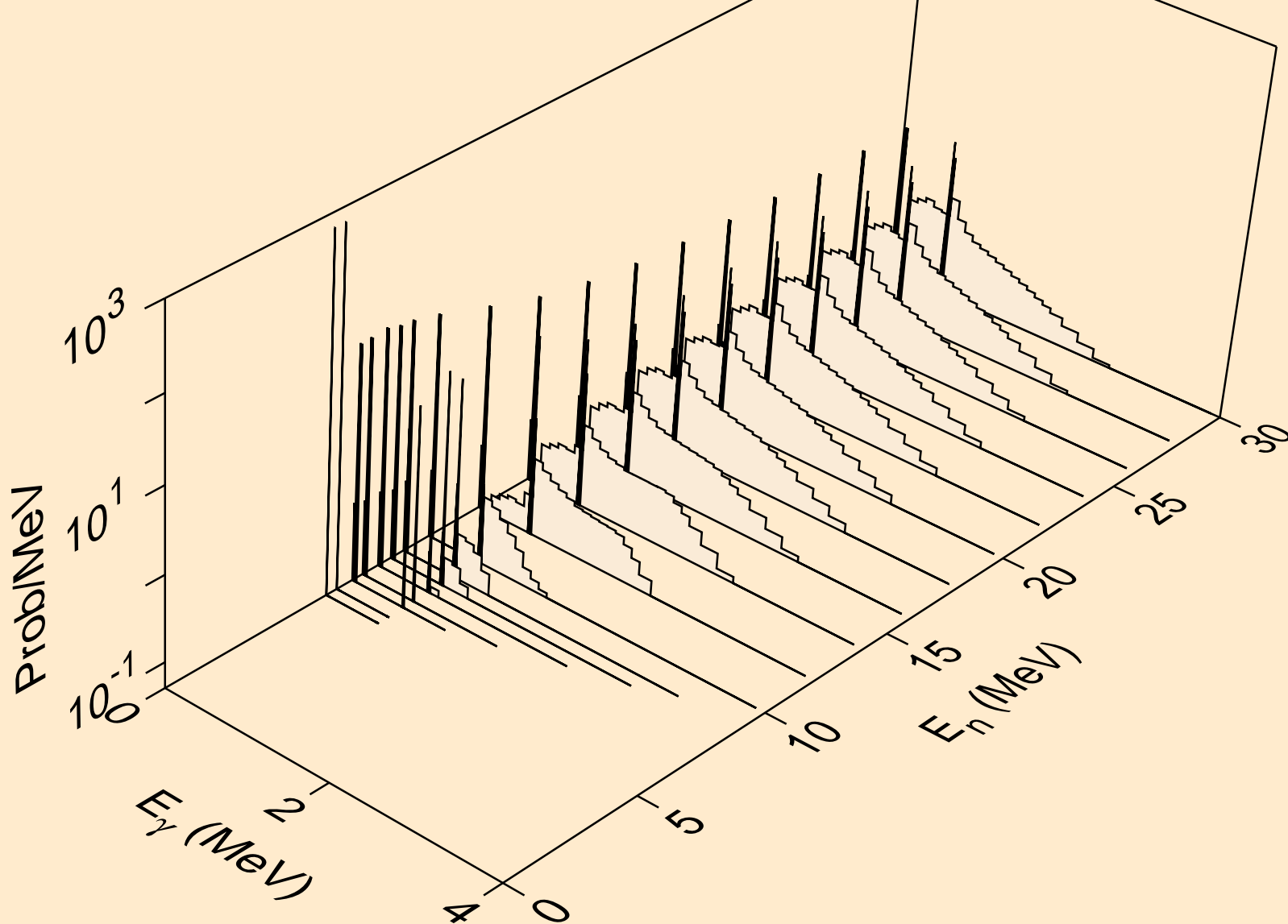
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



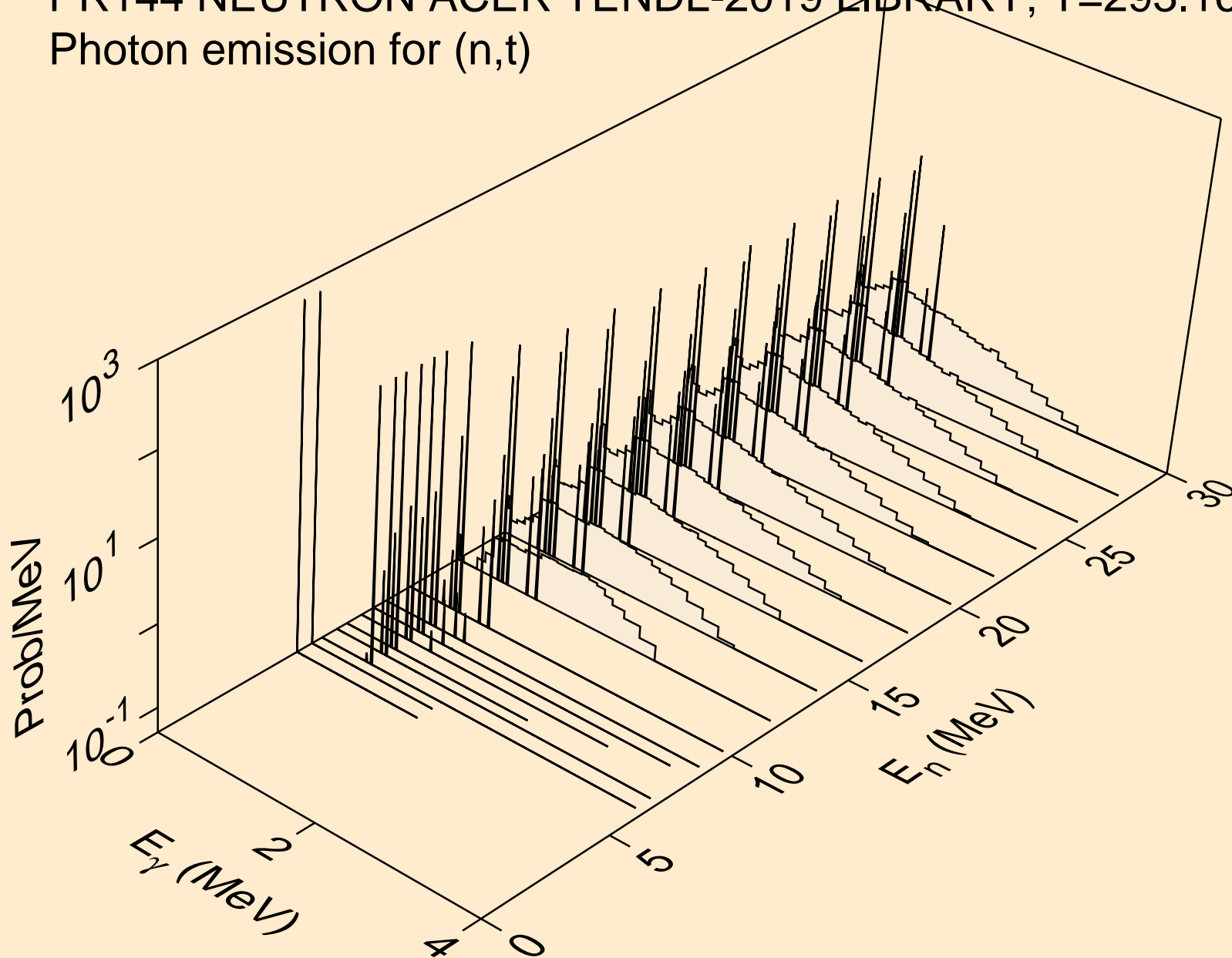
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



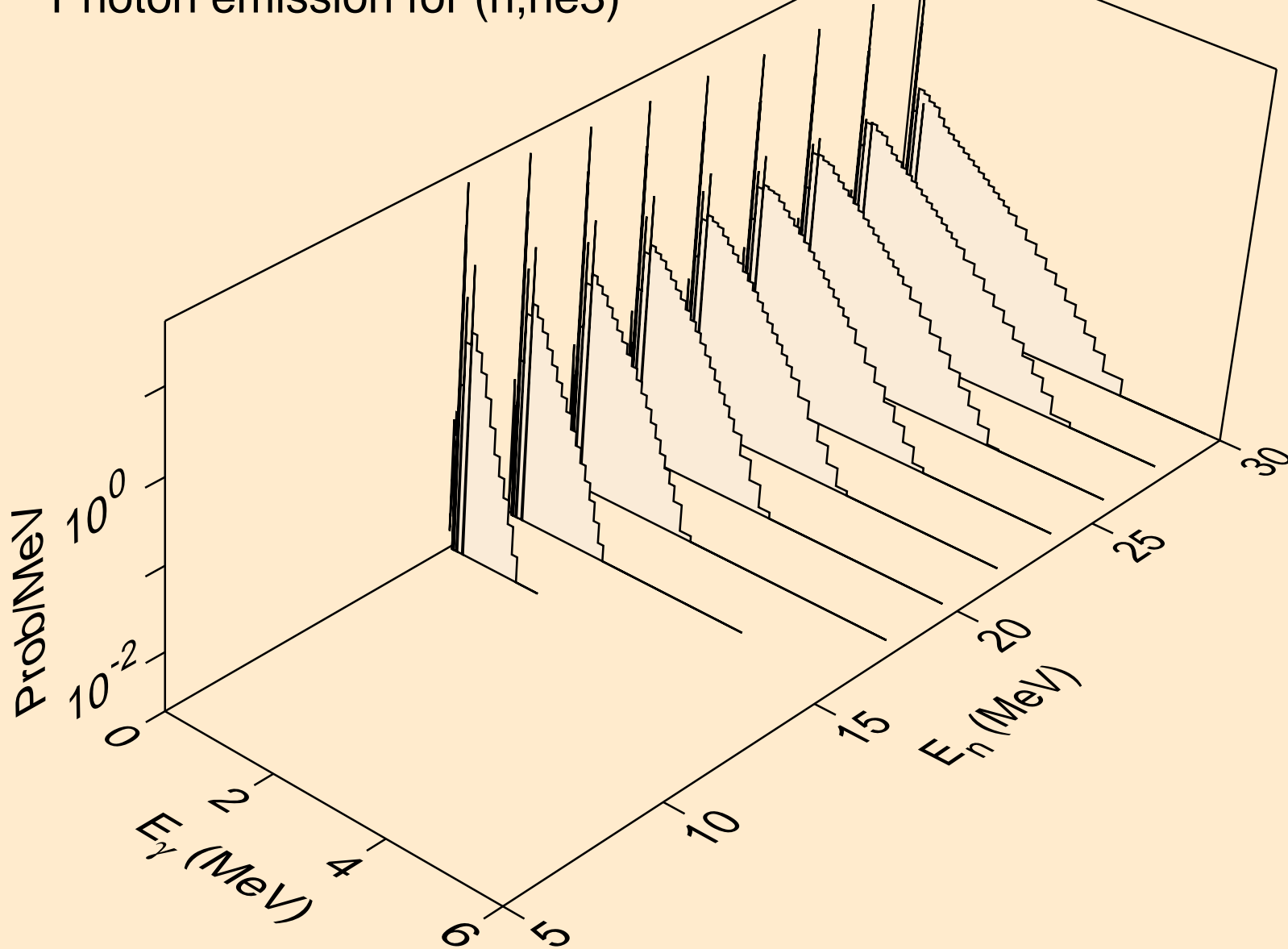
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



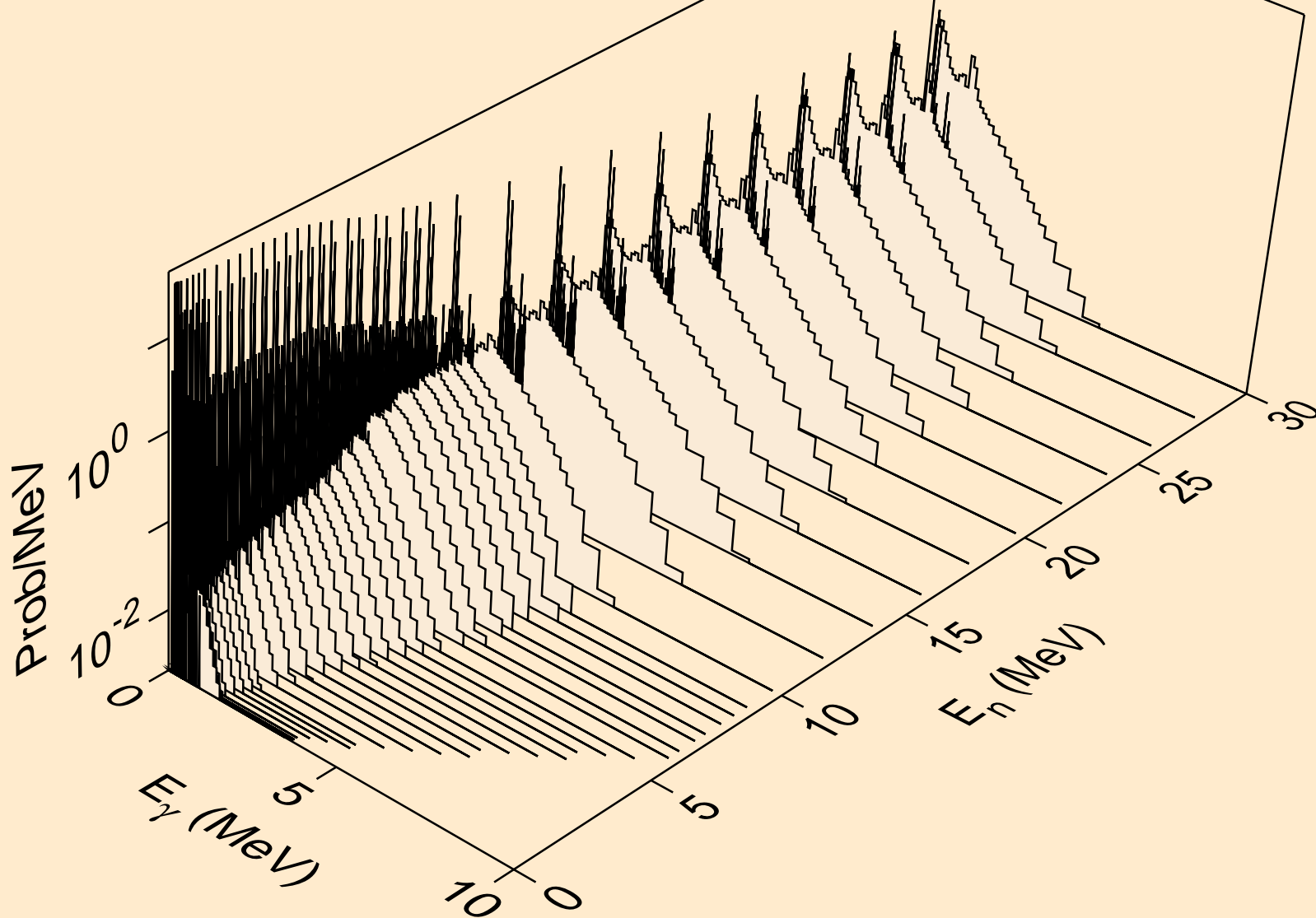
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



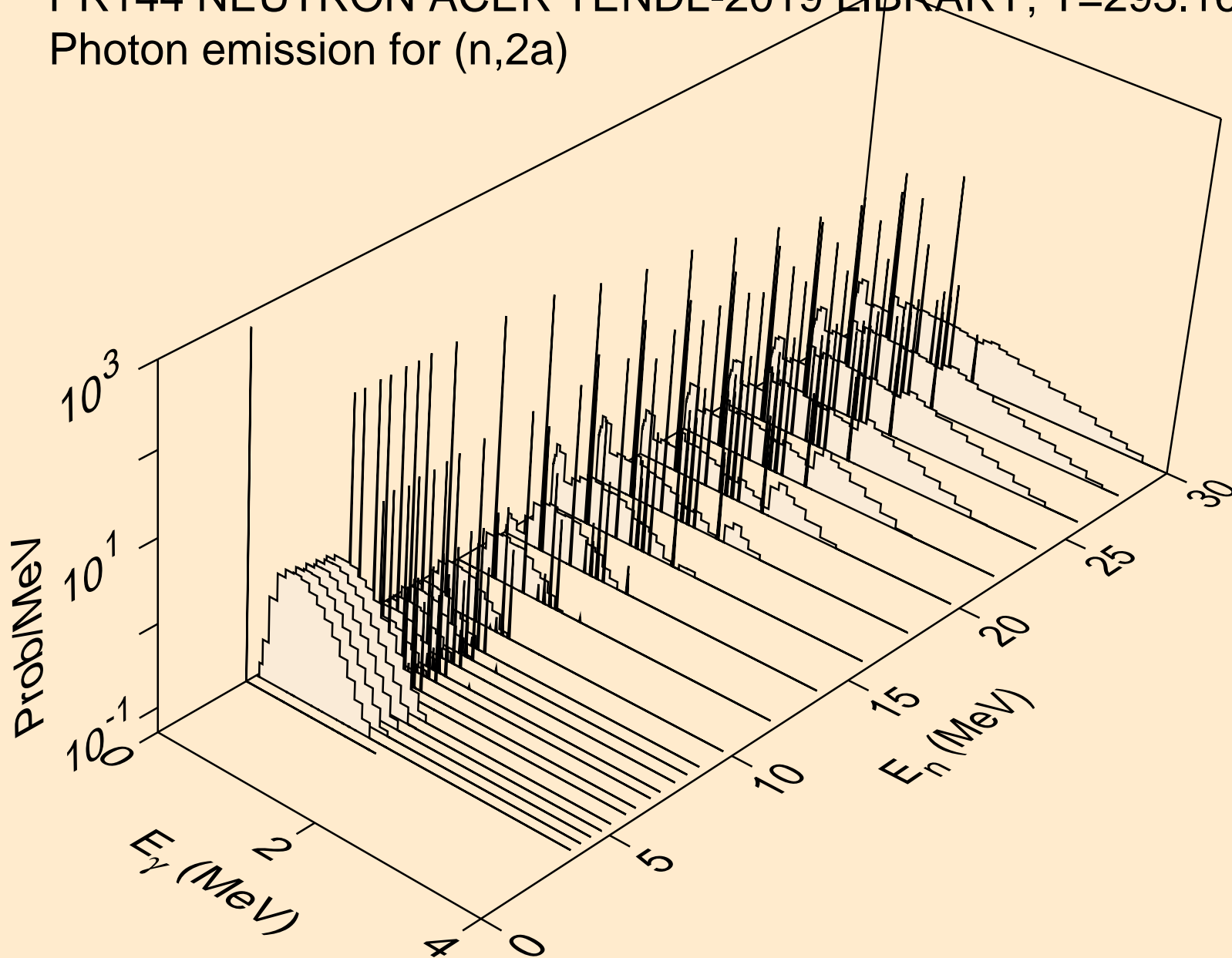
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



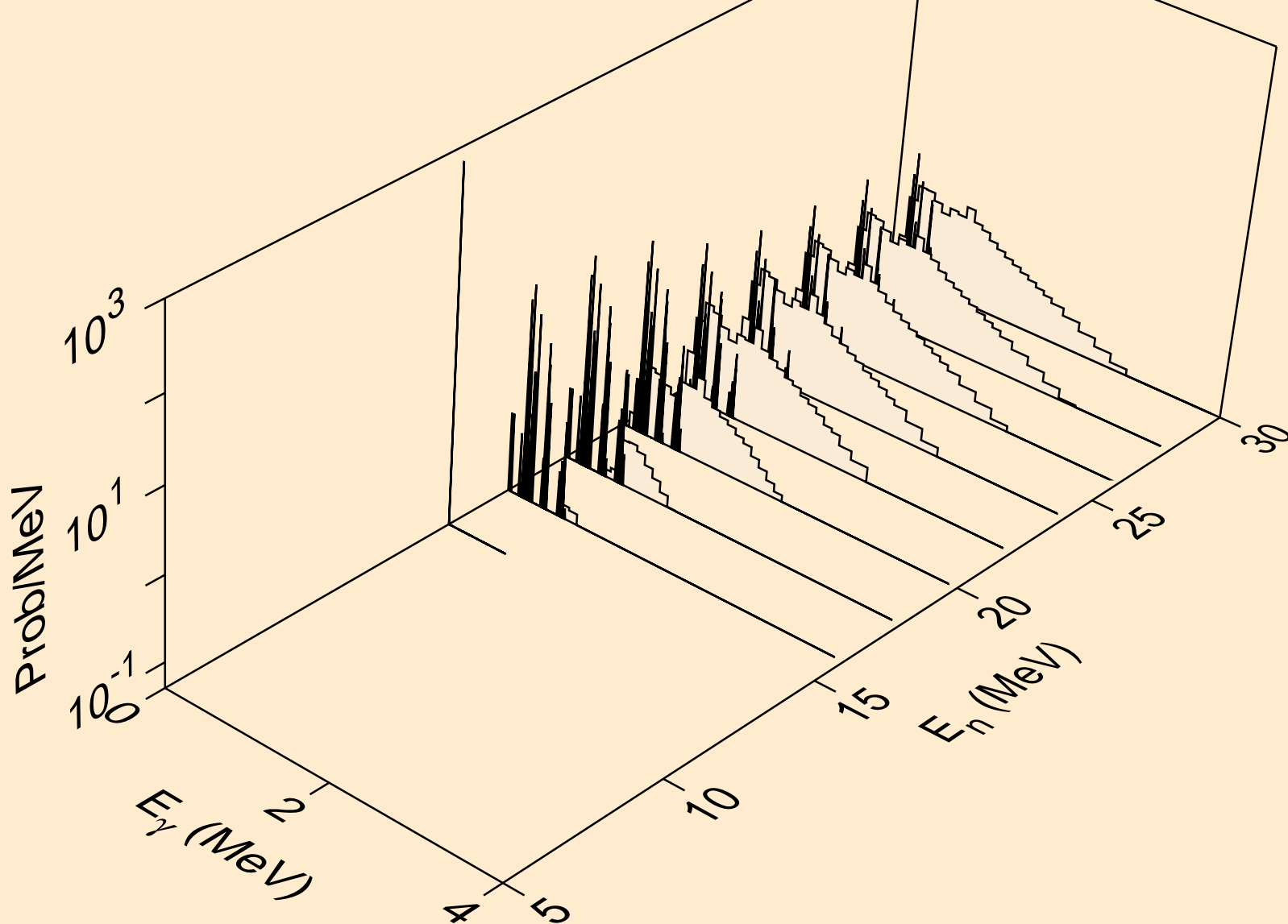
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



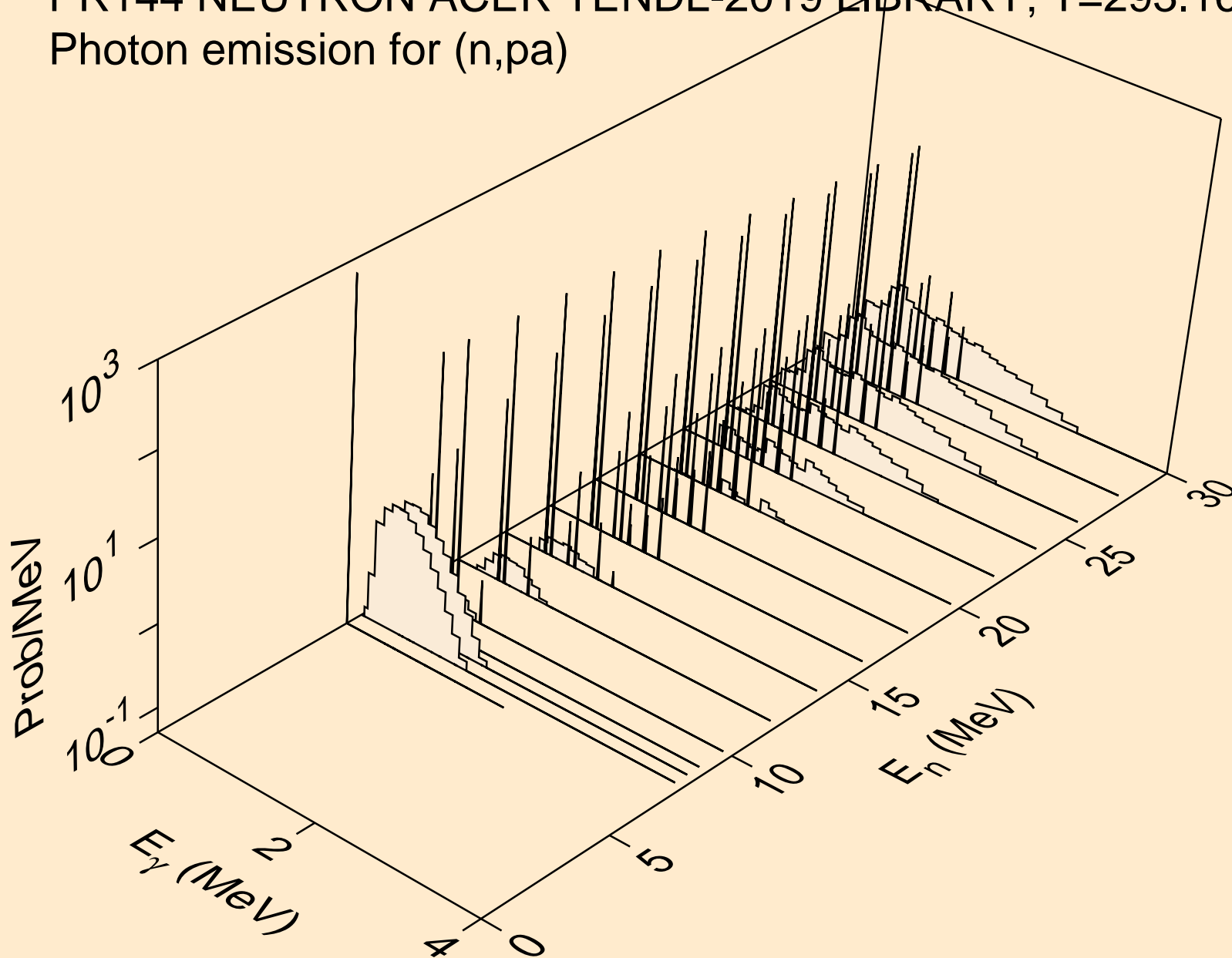
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



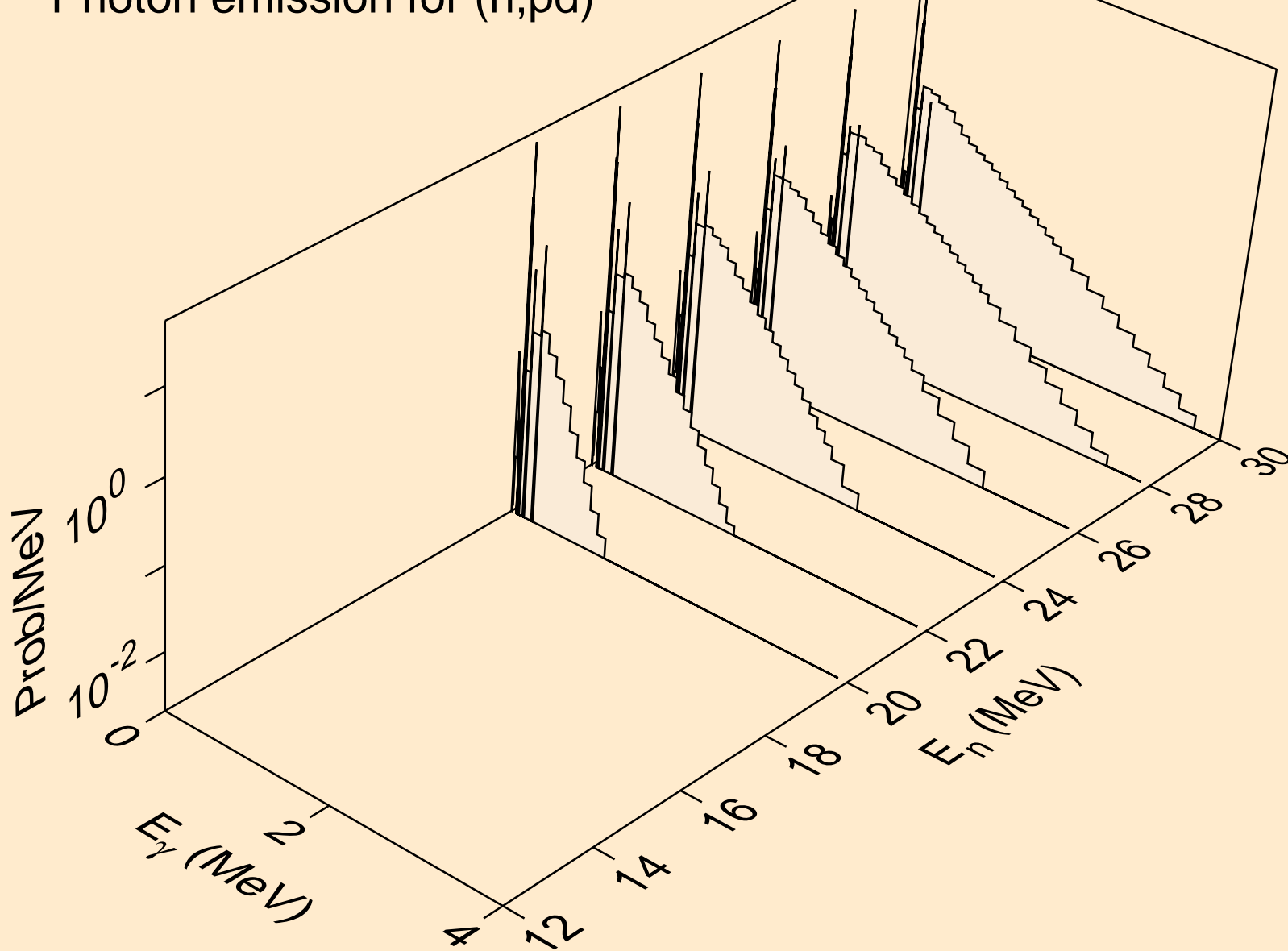
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



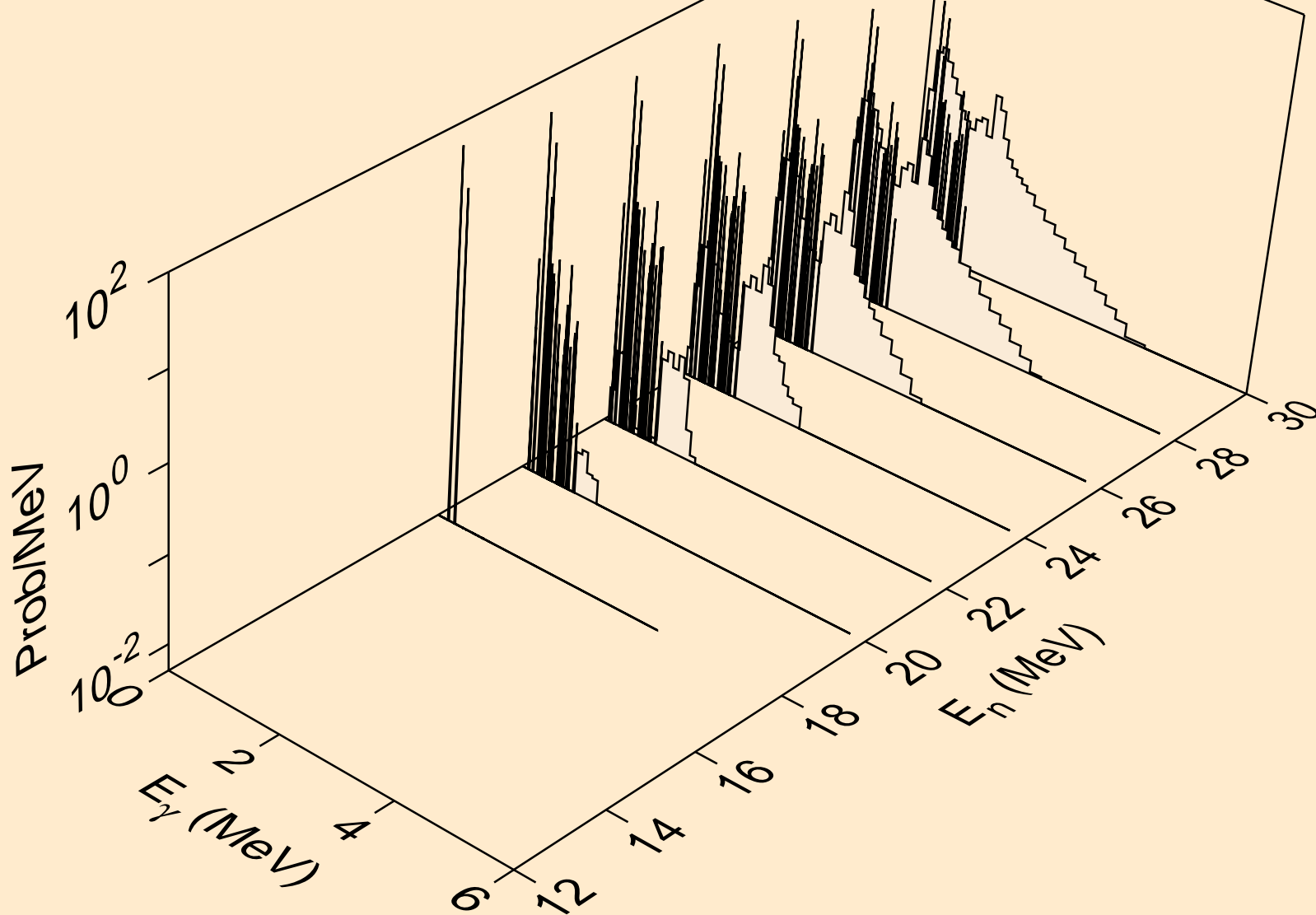
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



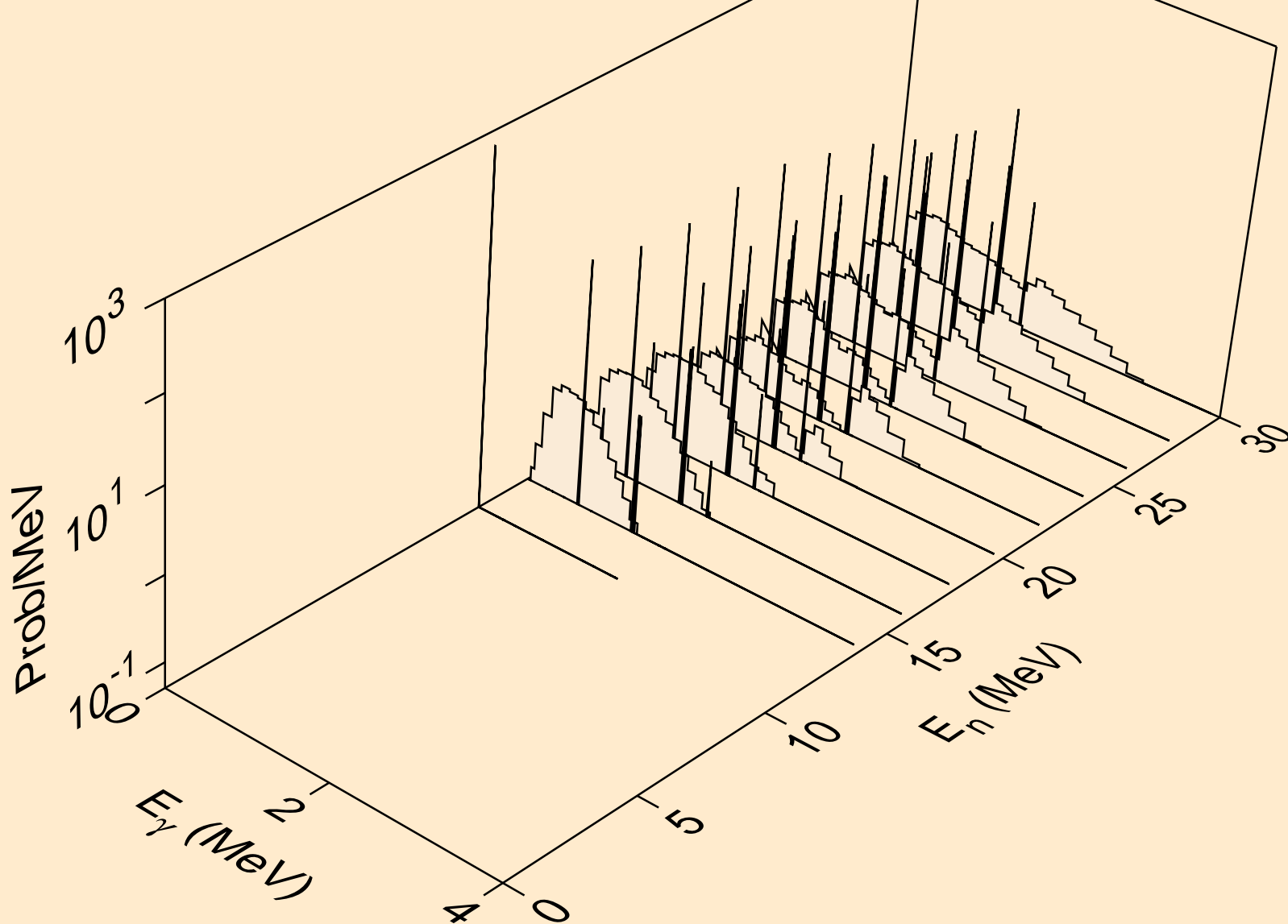
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



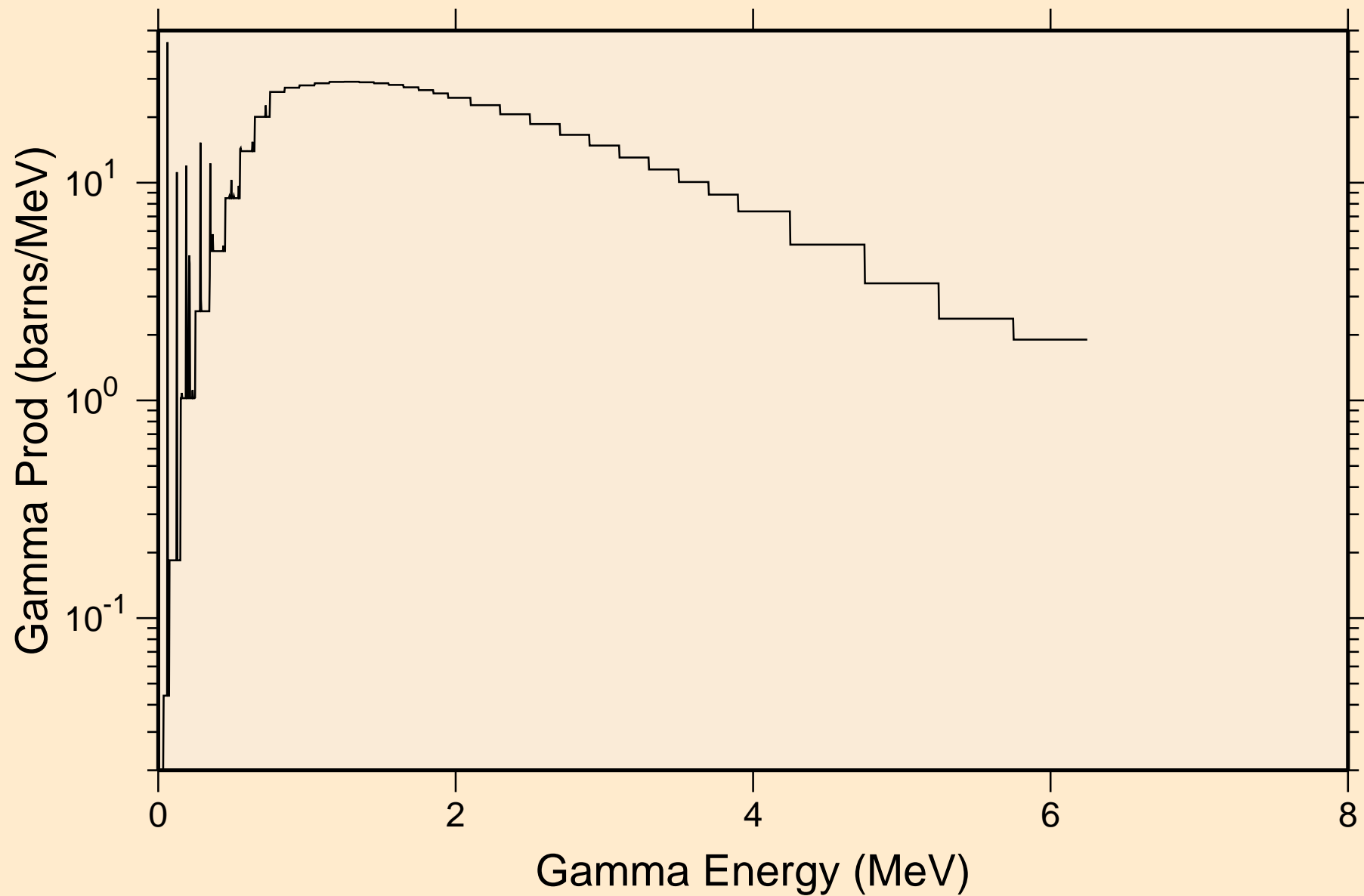
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



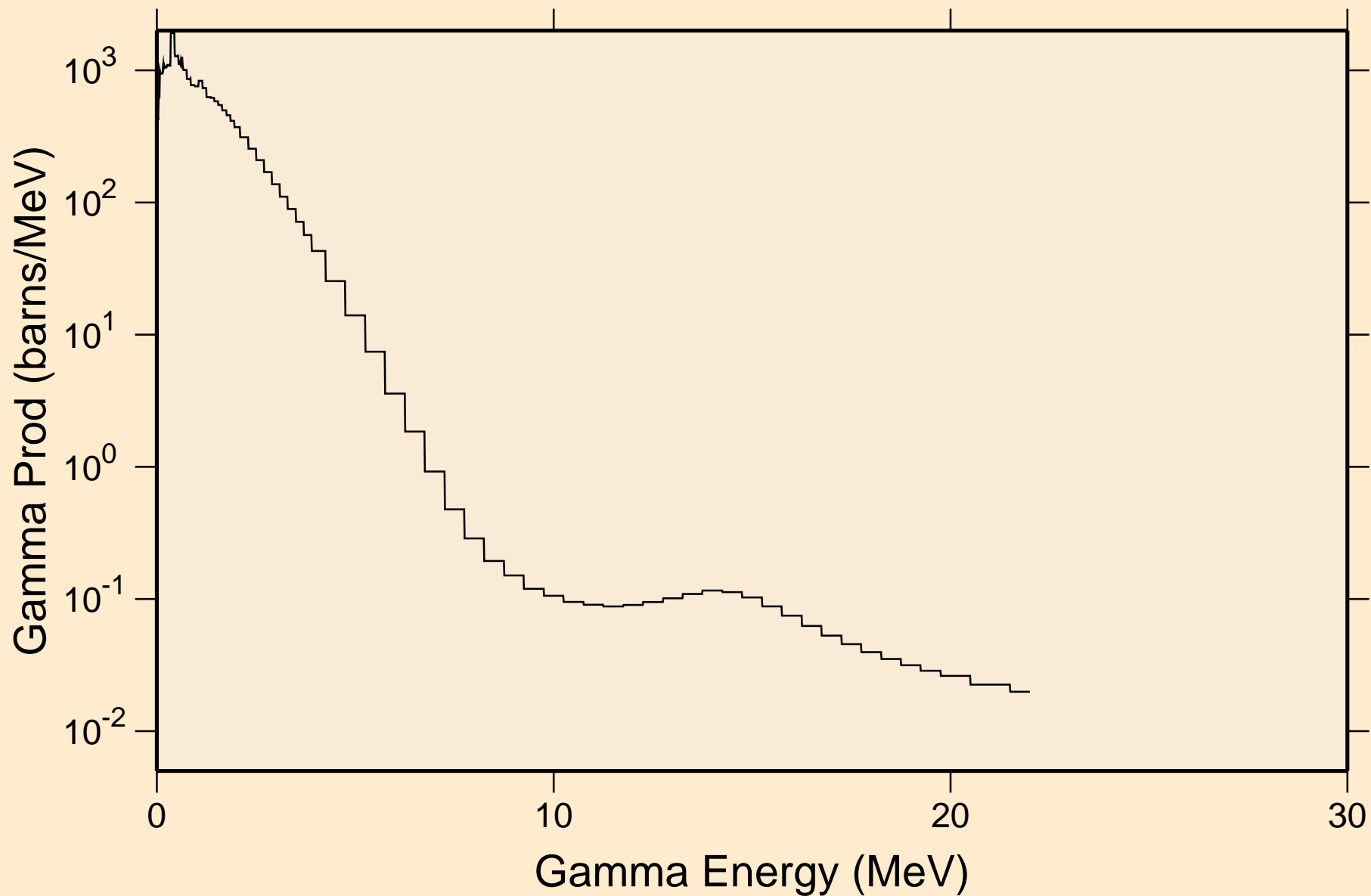
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



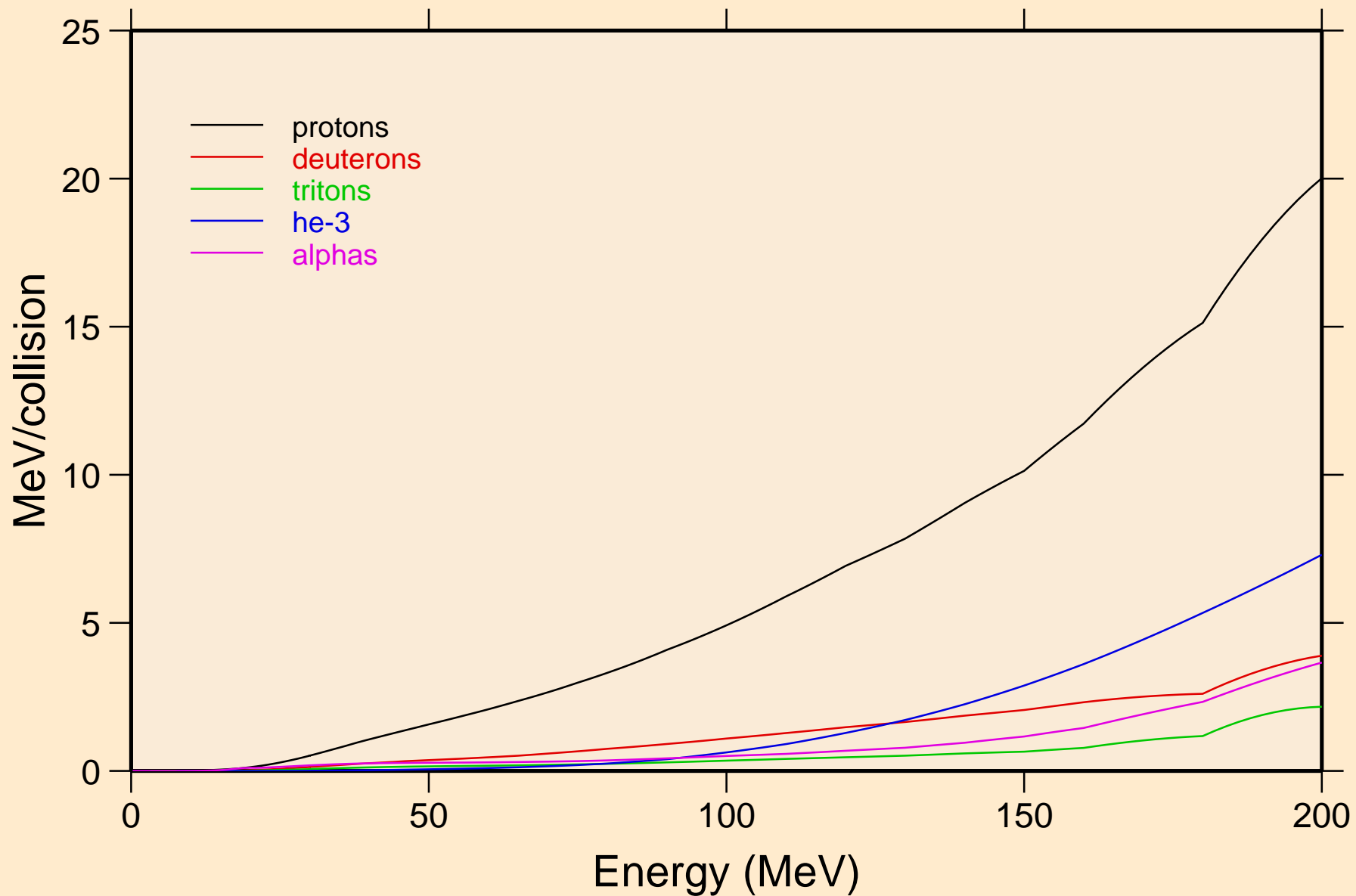
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum



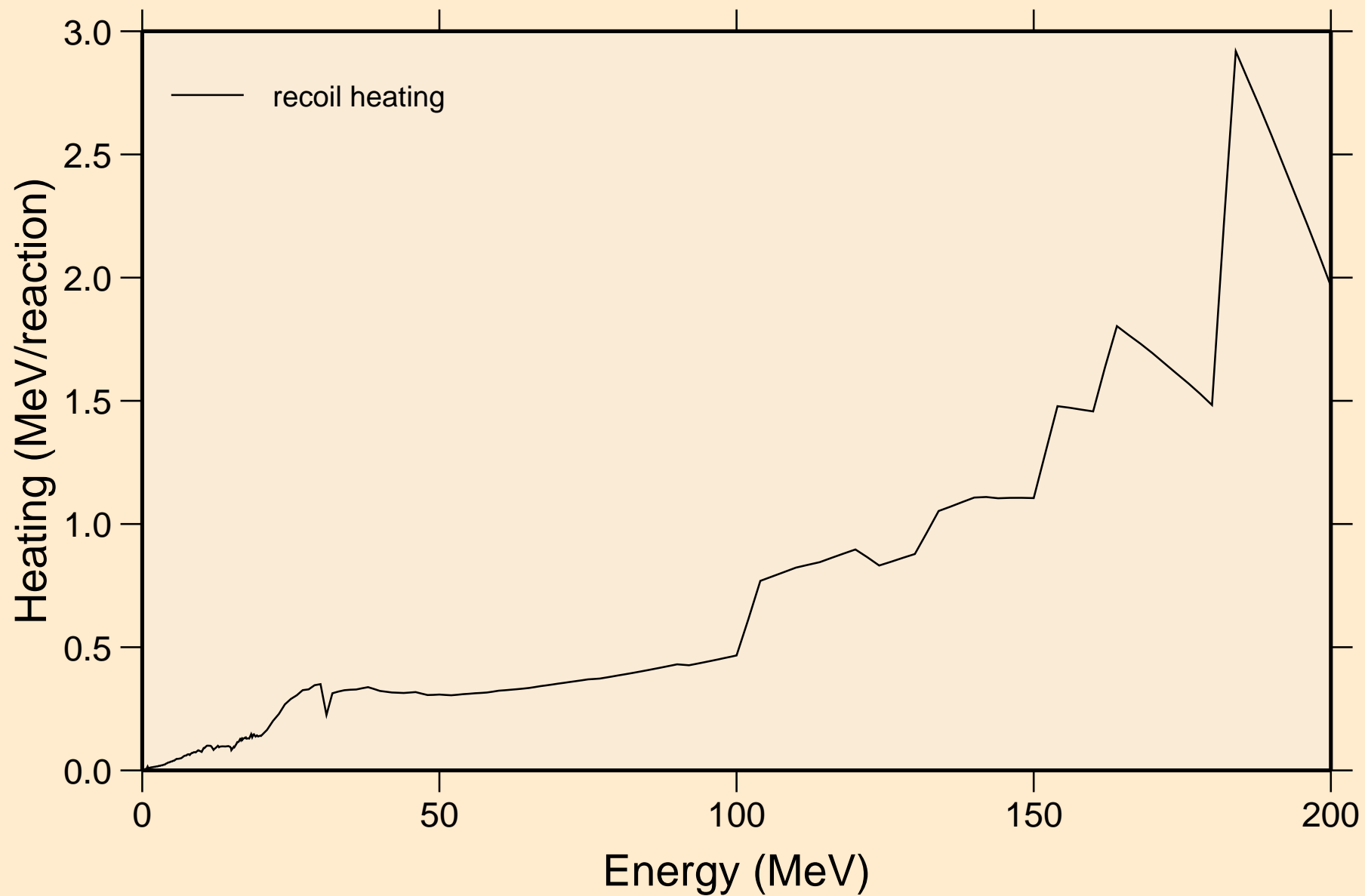
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



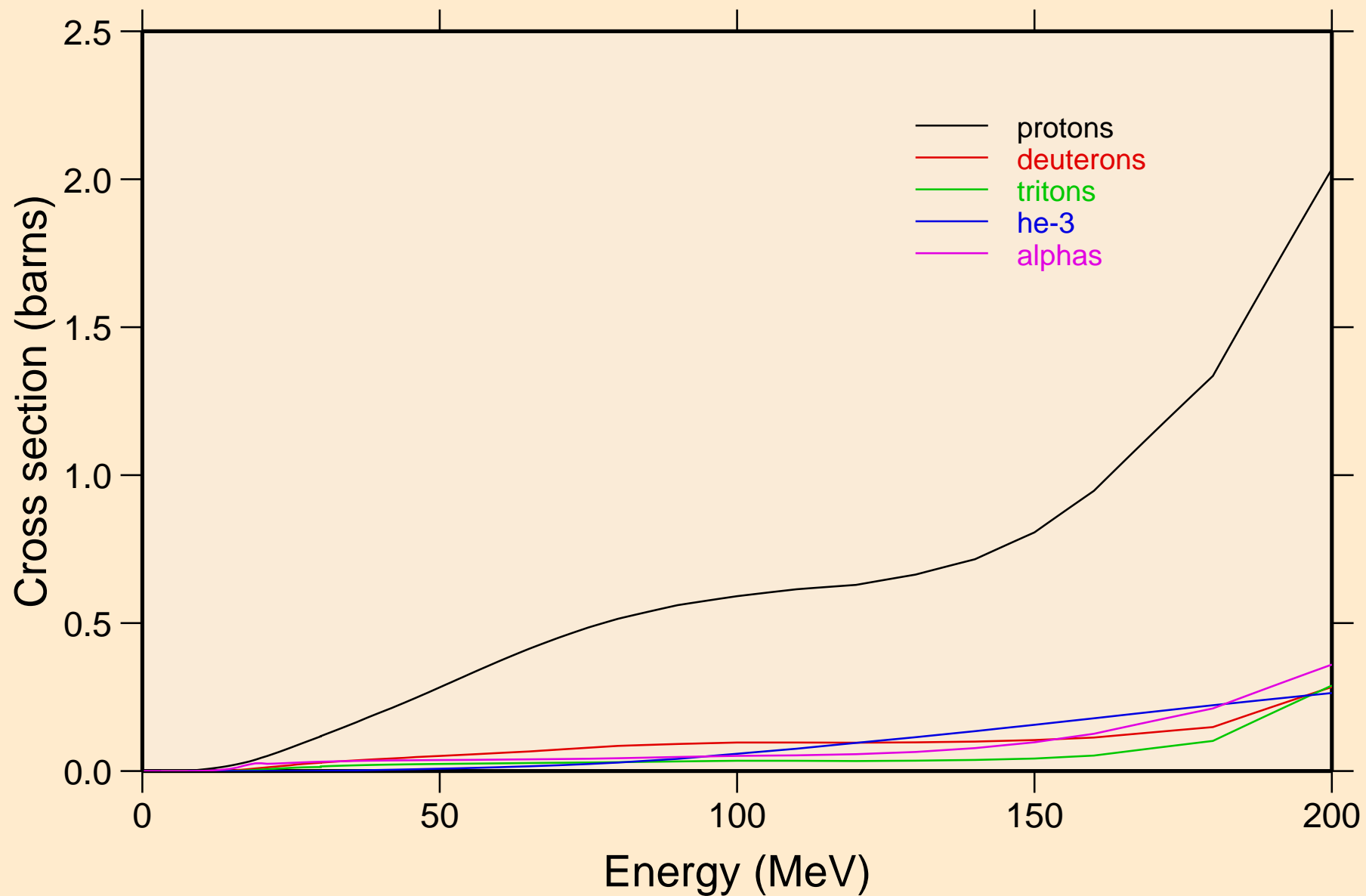
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle heating contributions



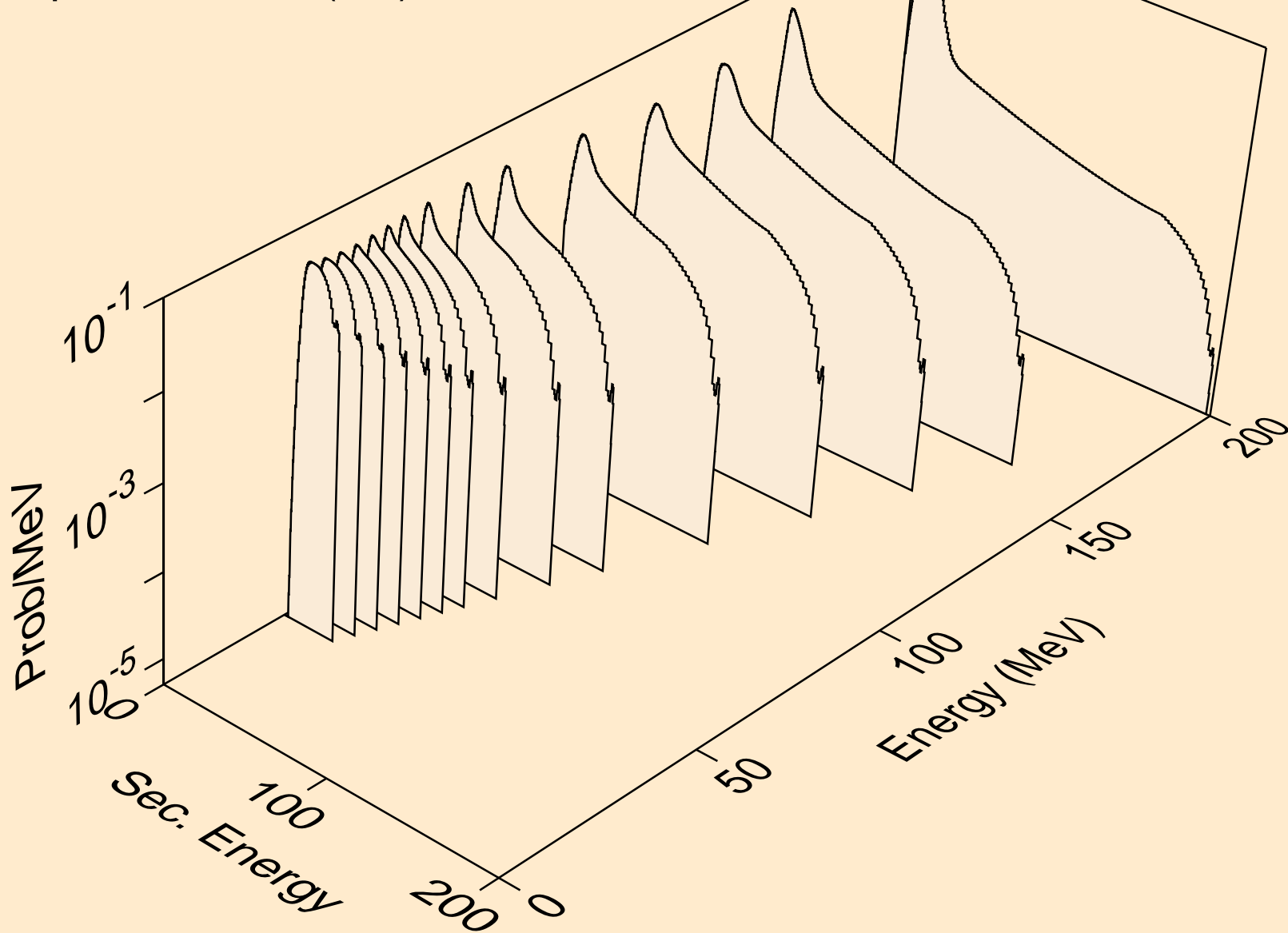
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



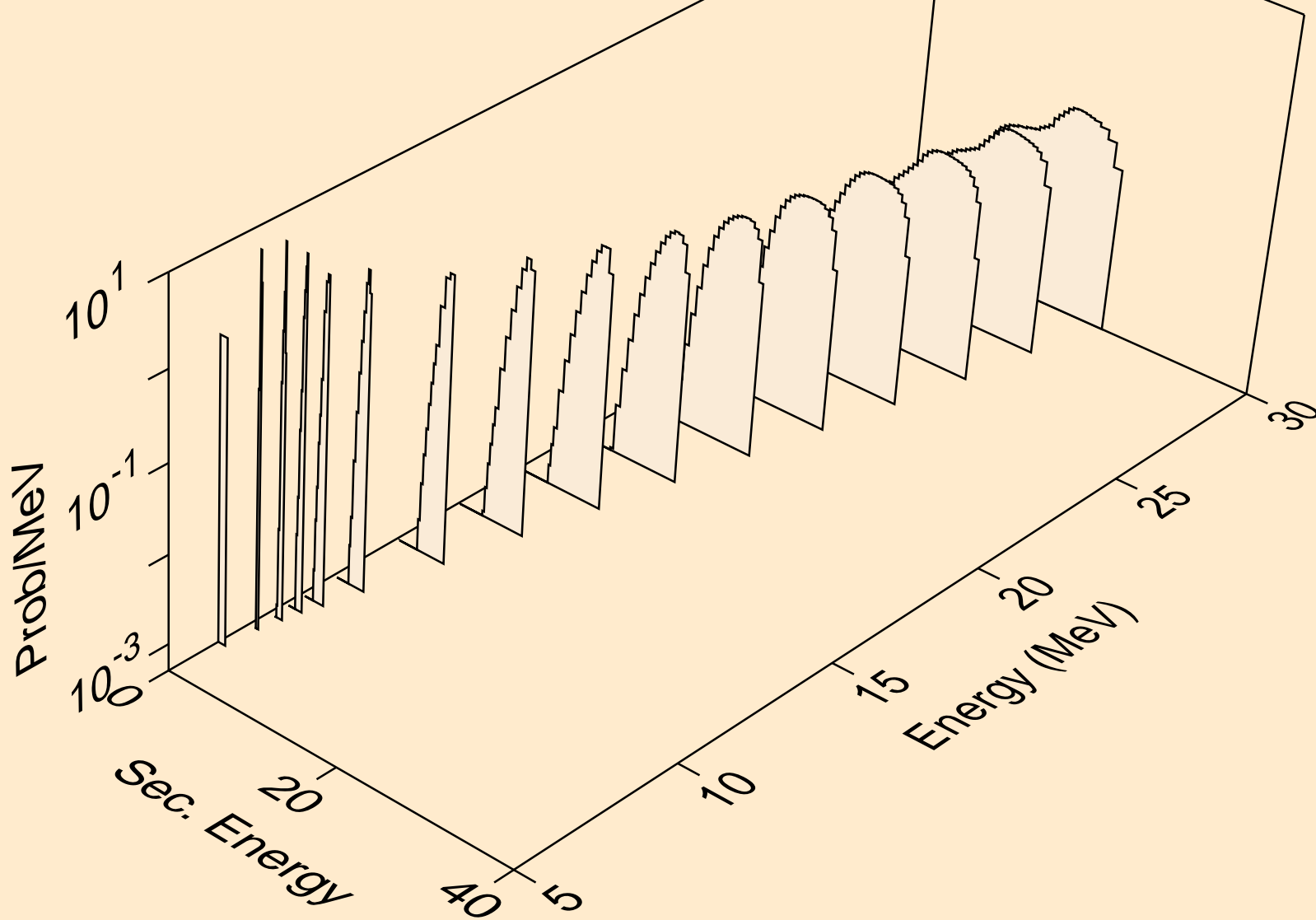
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



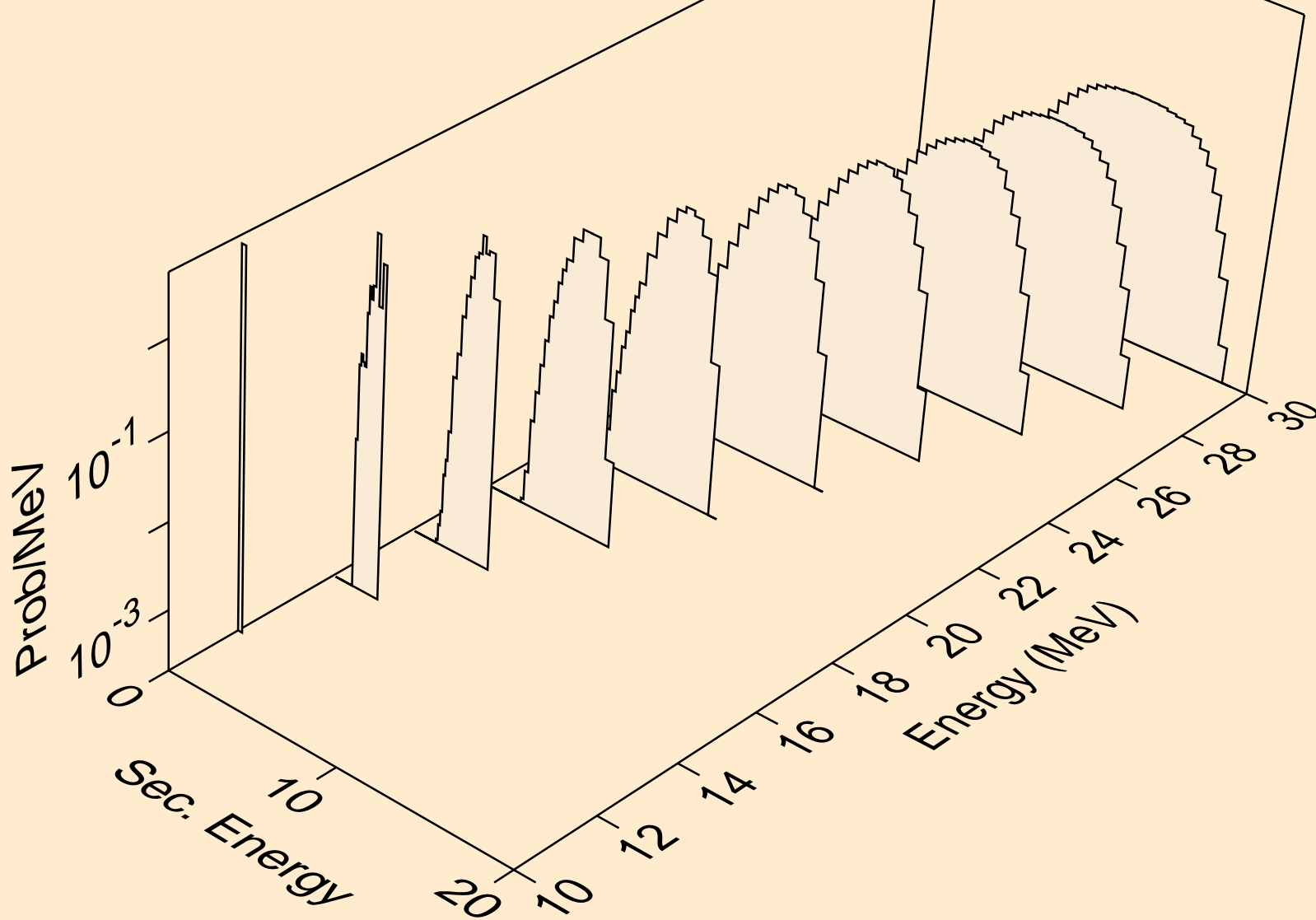
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



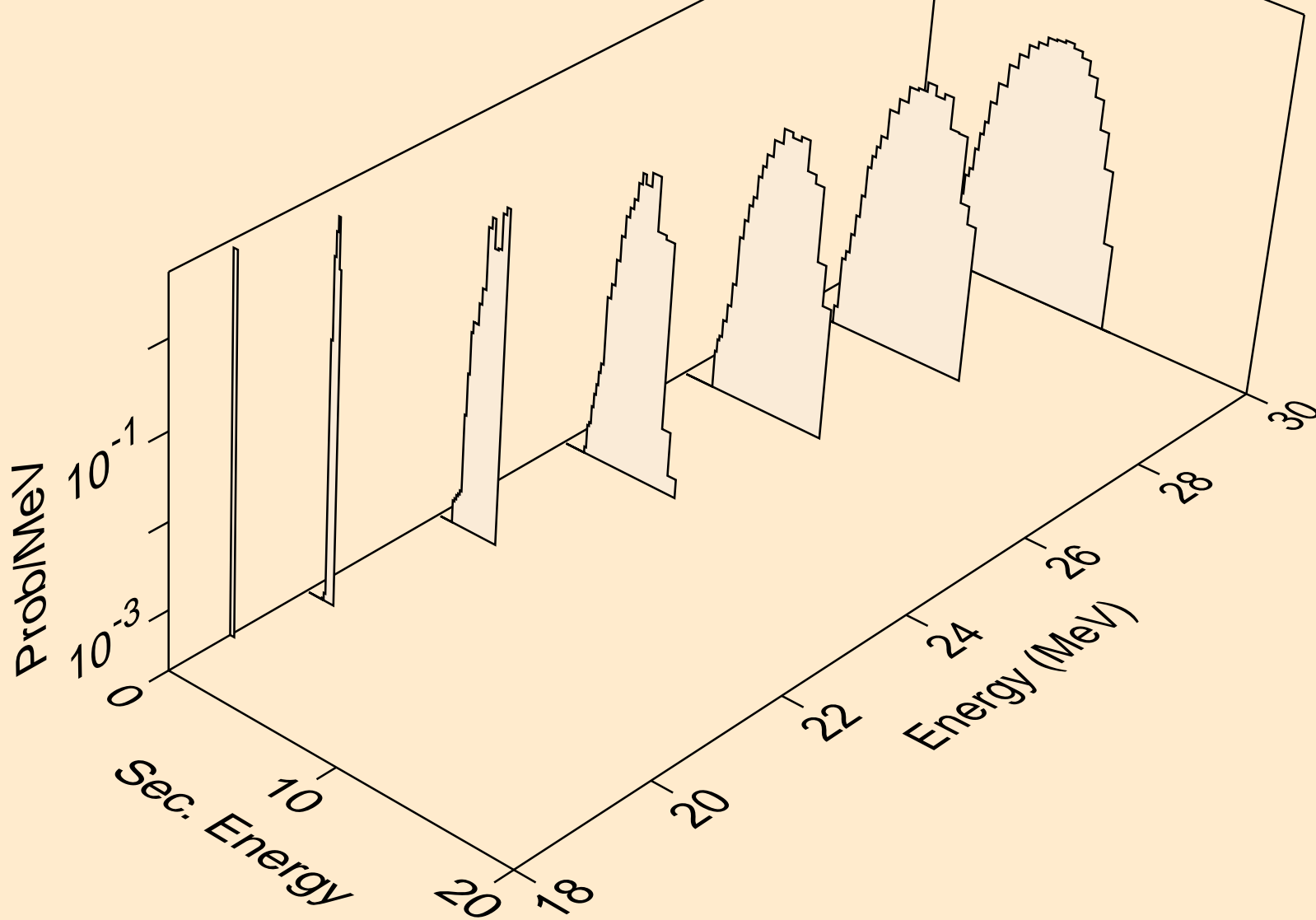
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



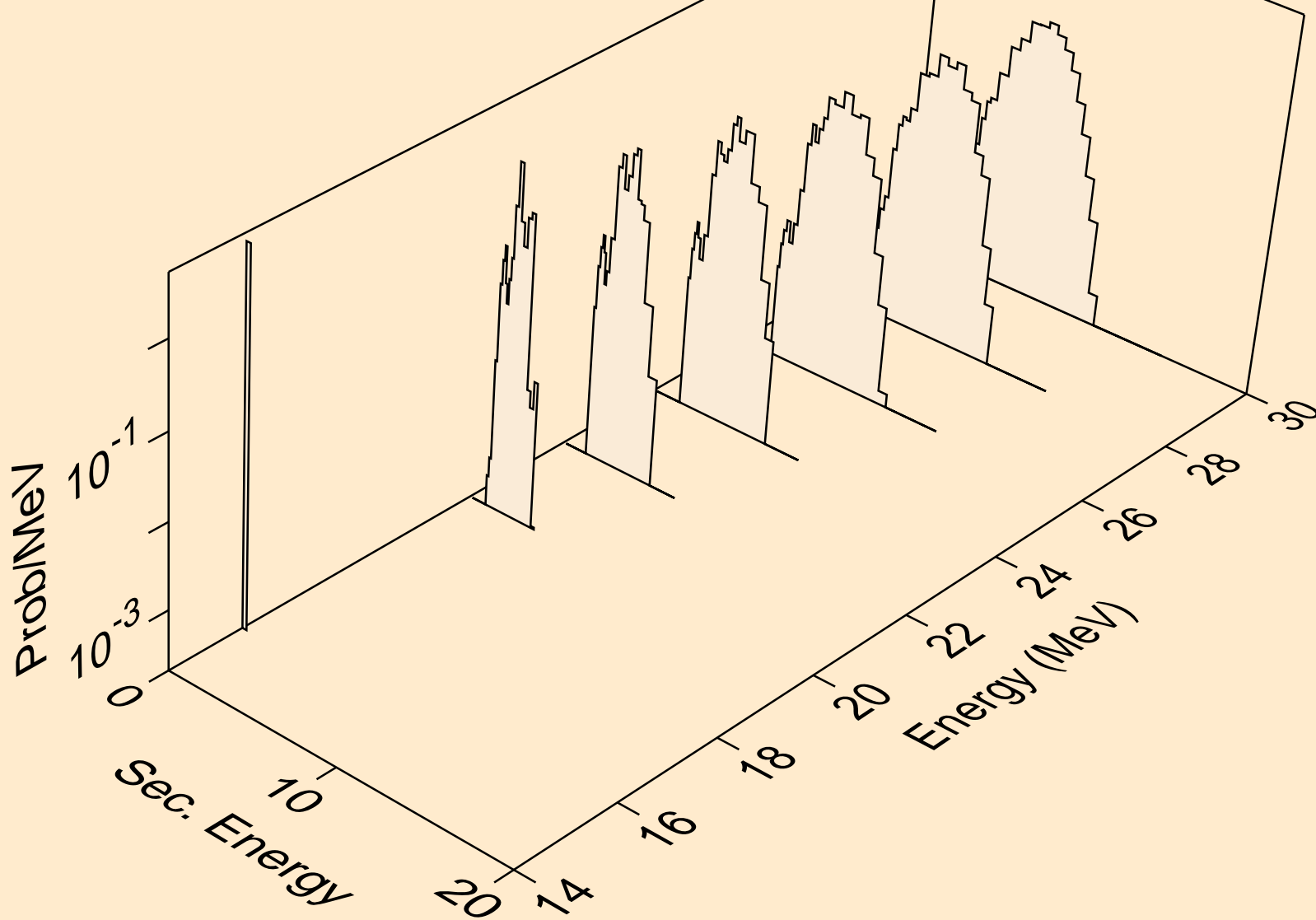
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



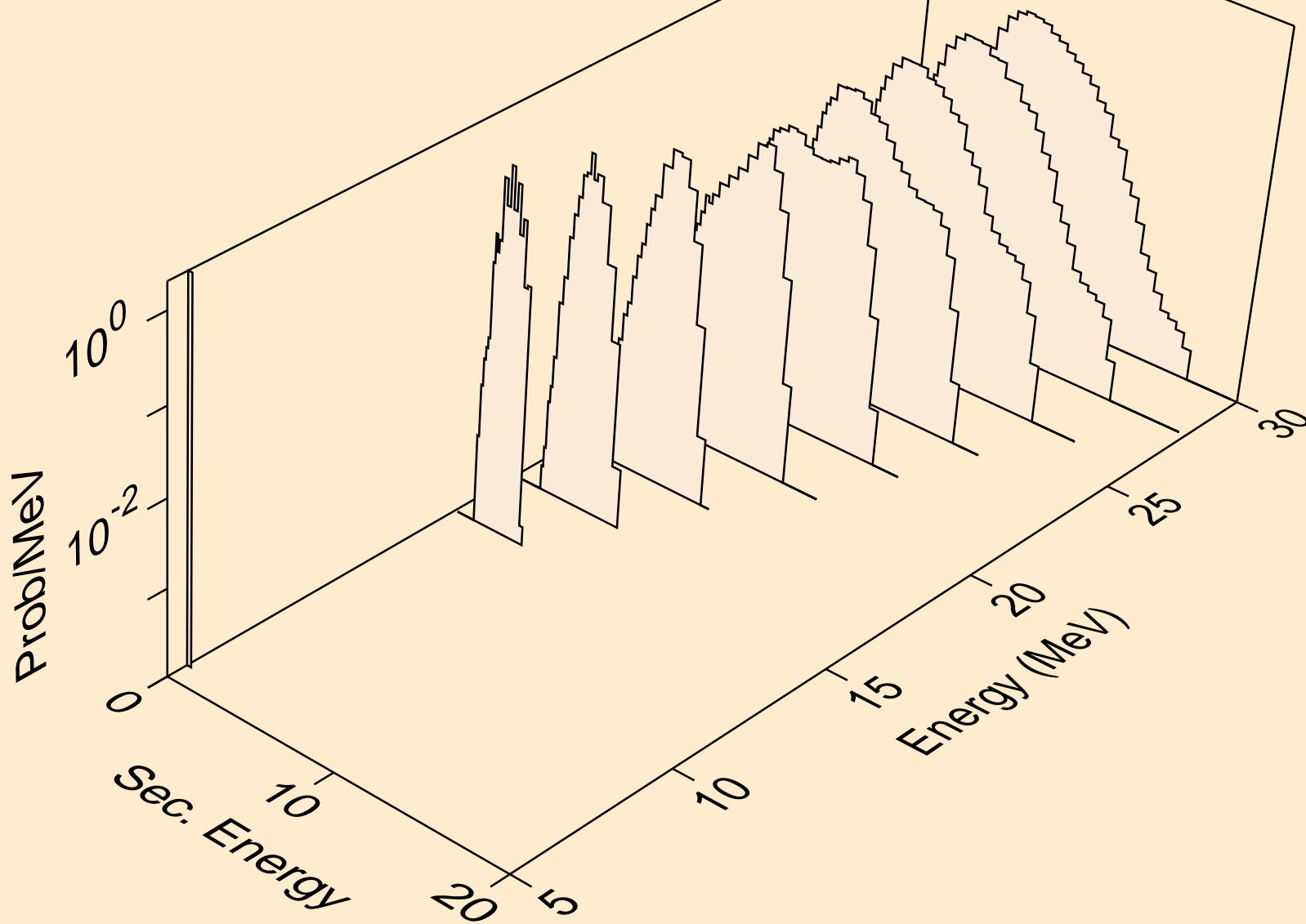
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



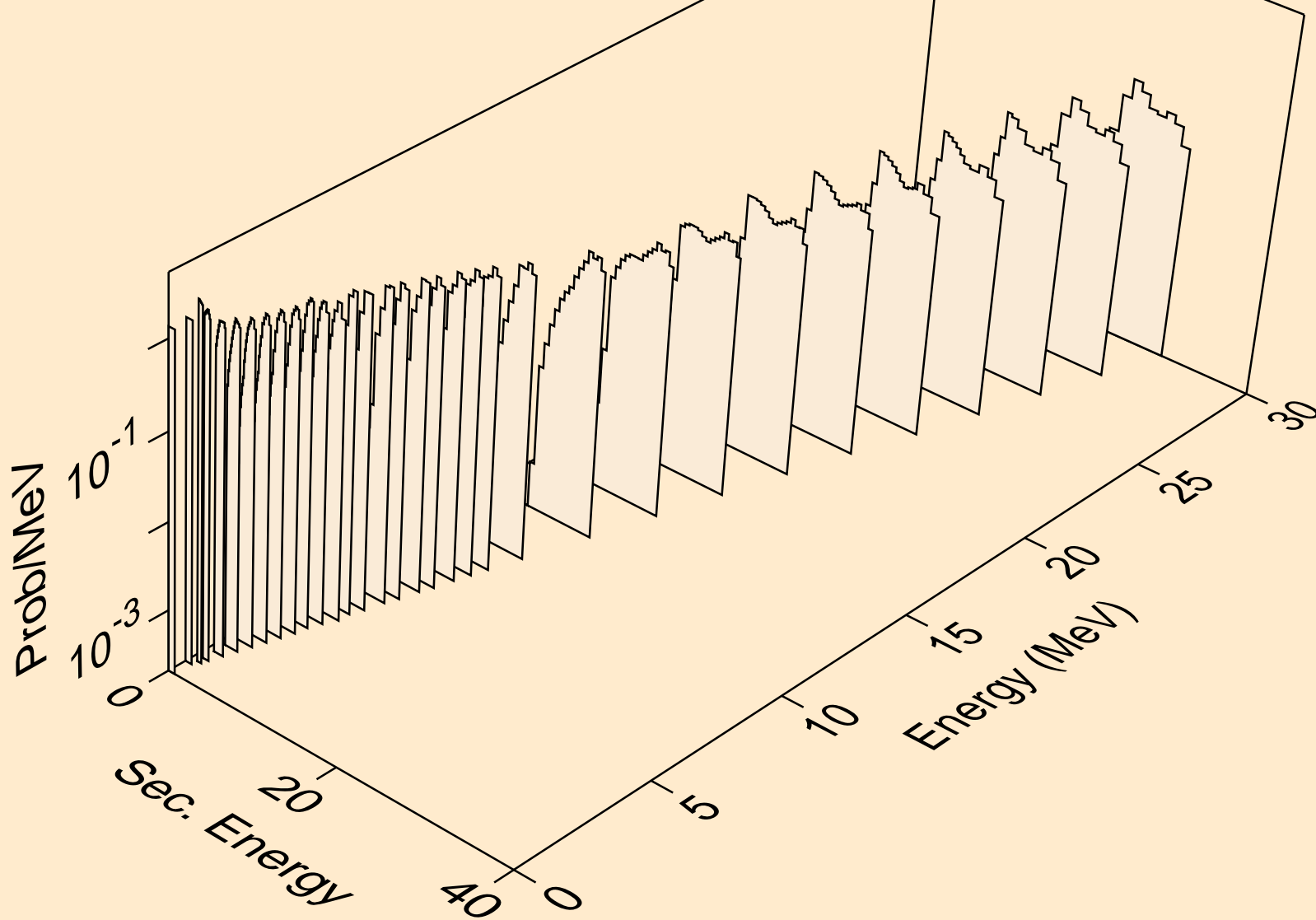
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



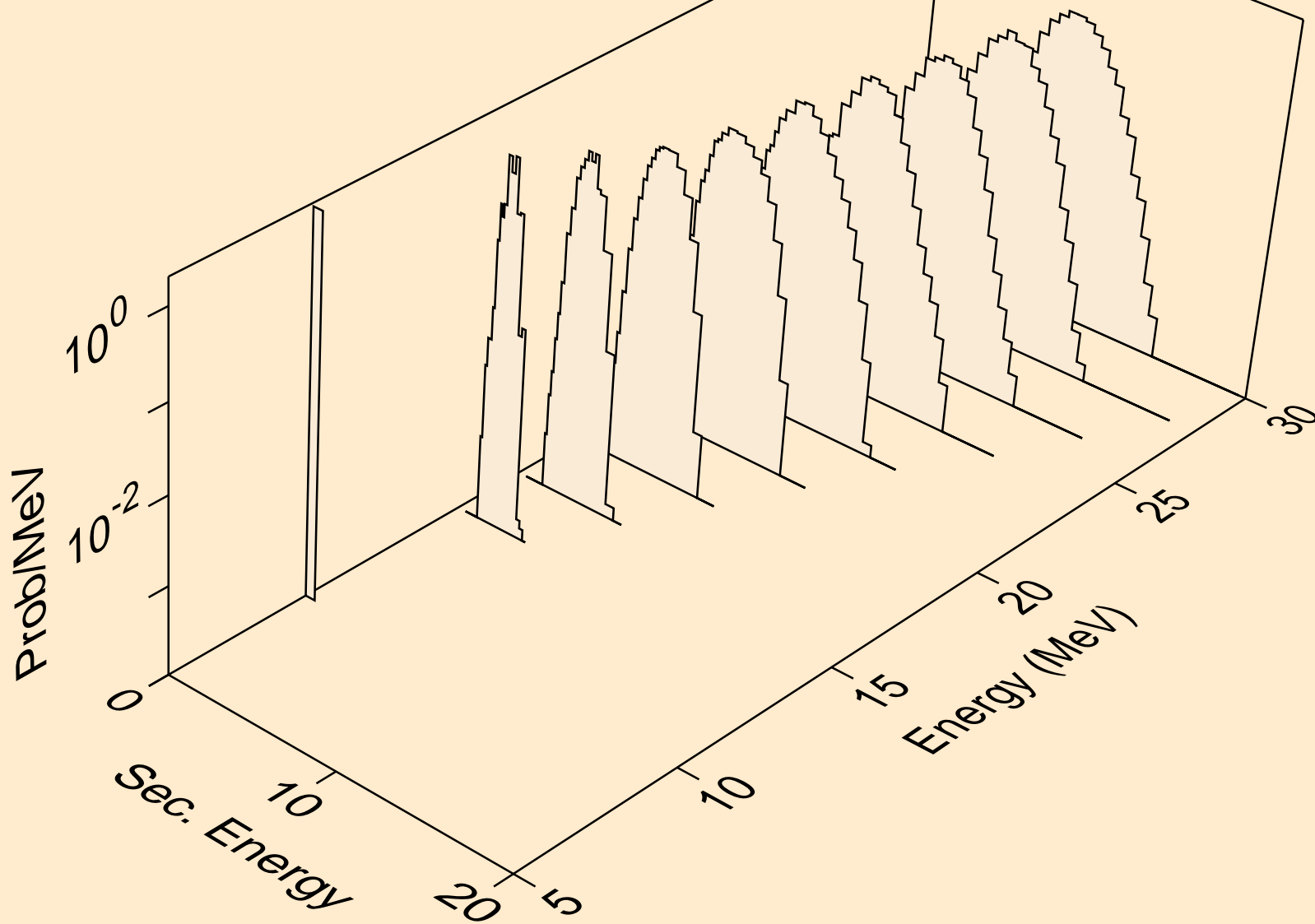
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



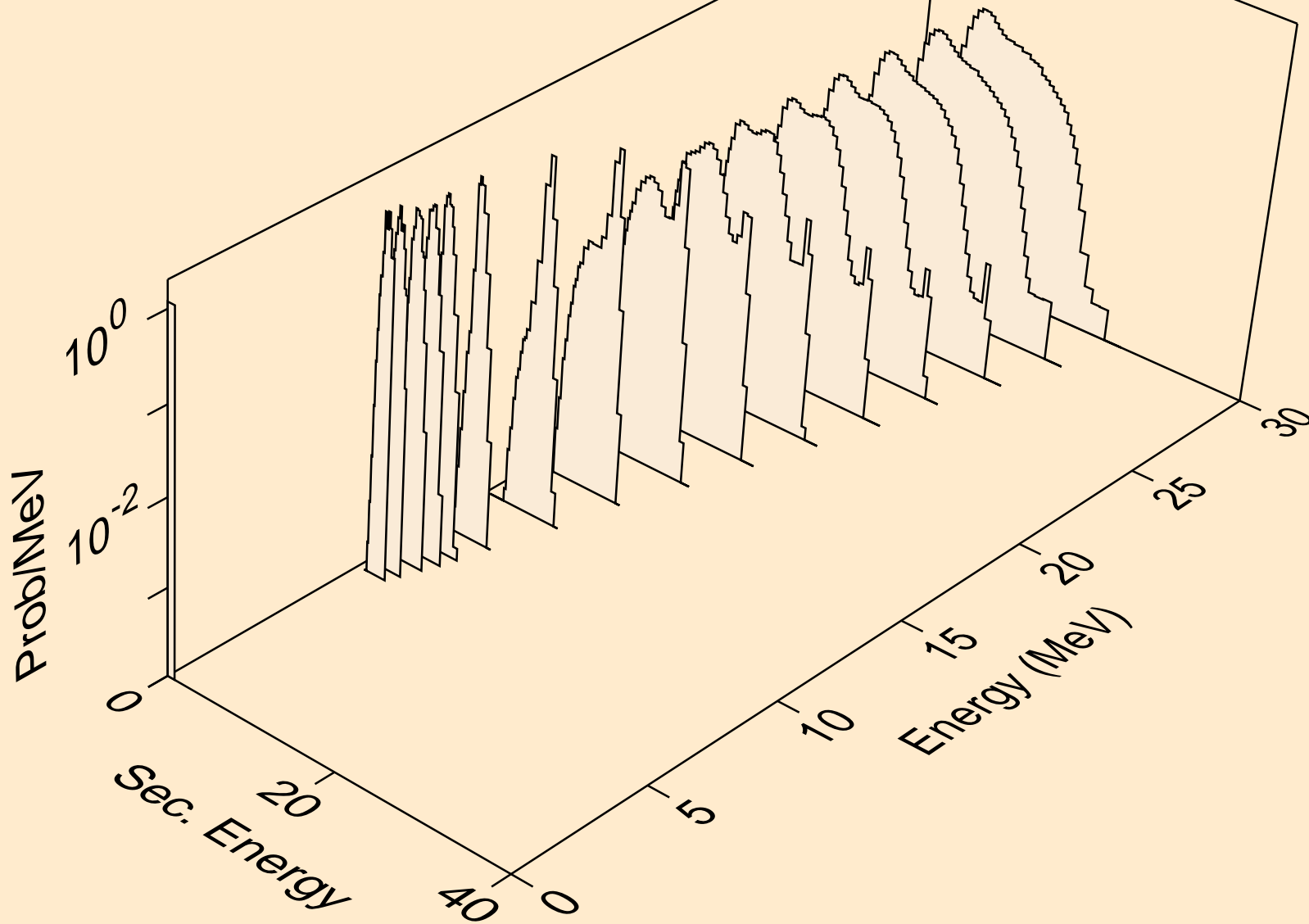
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



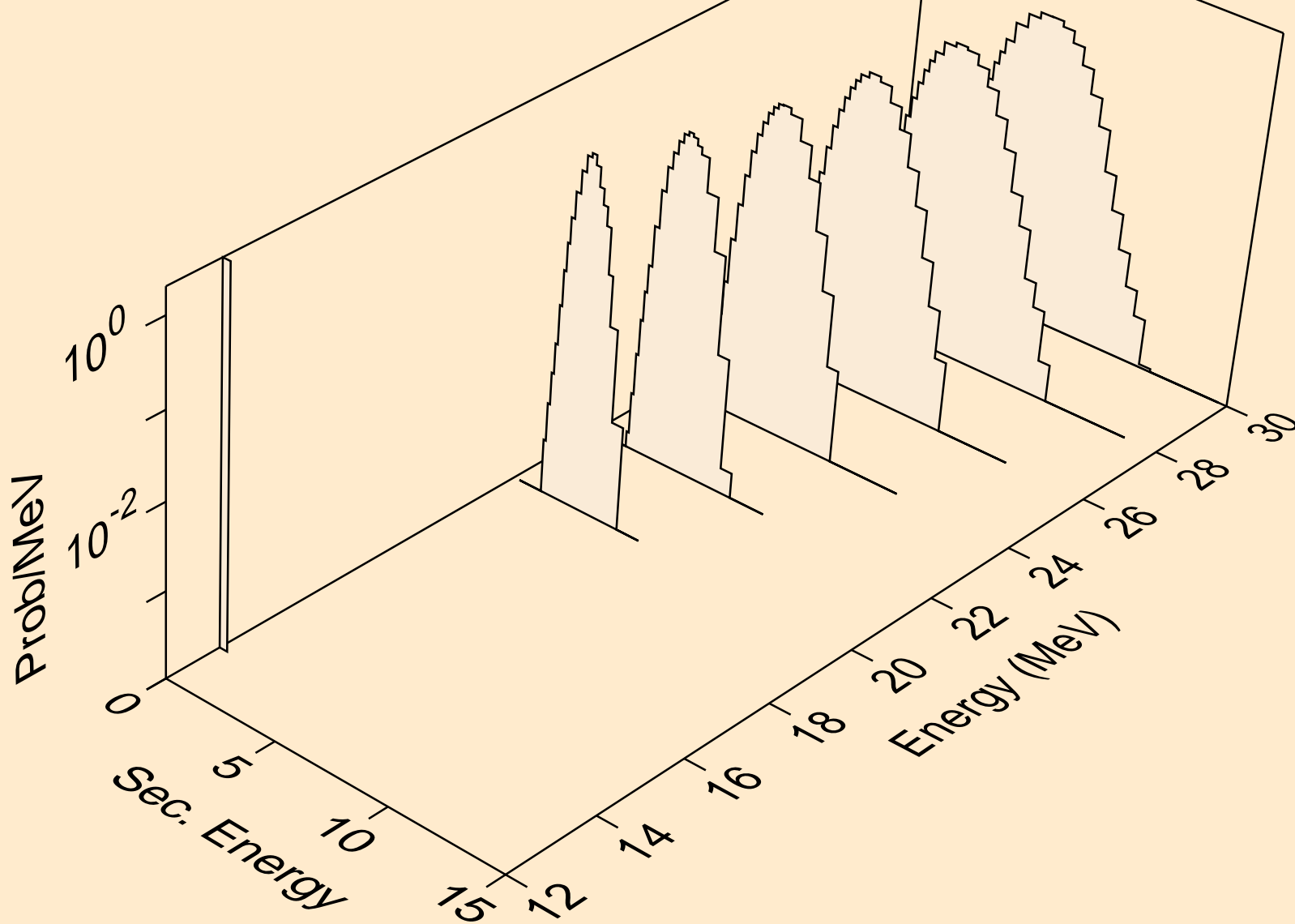
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



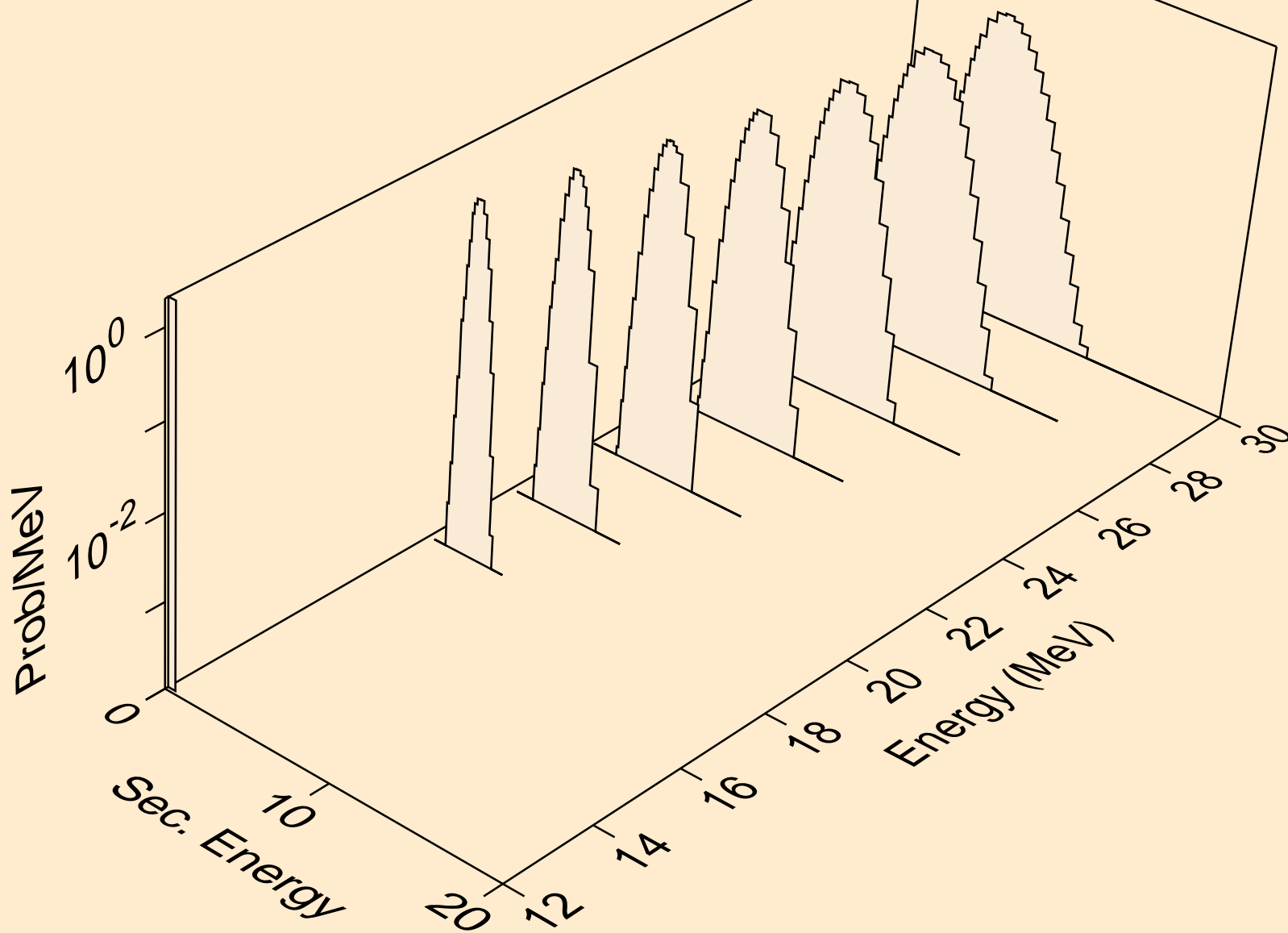
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



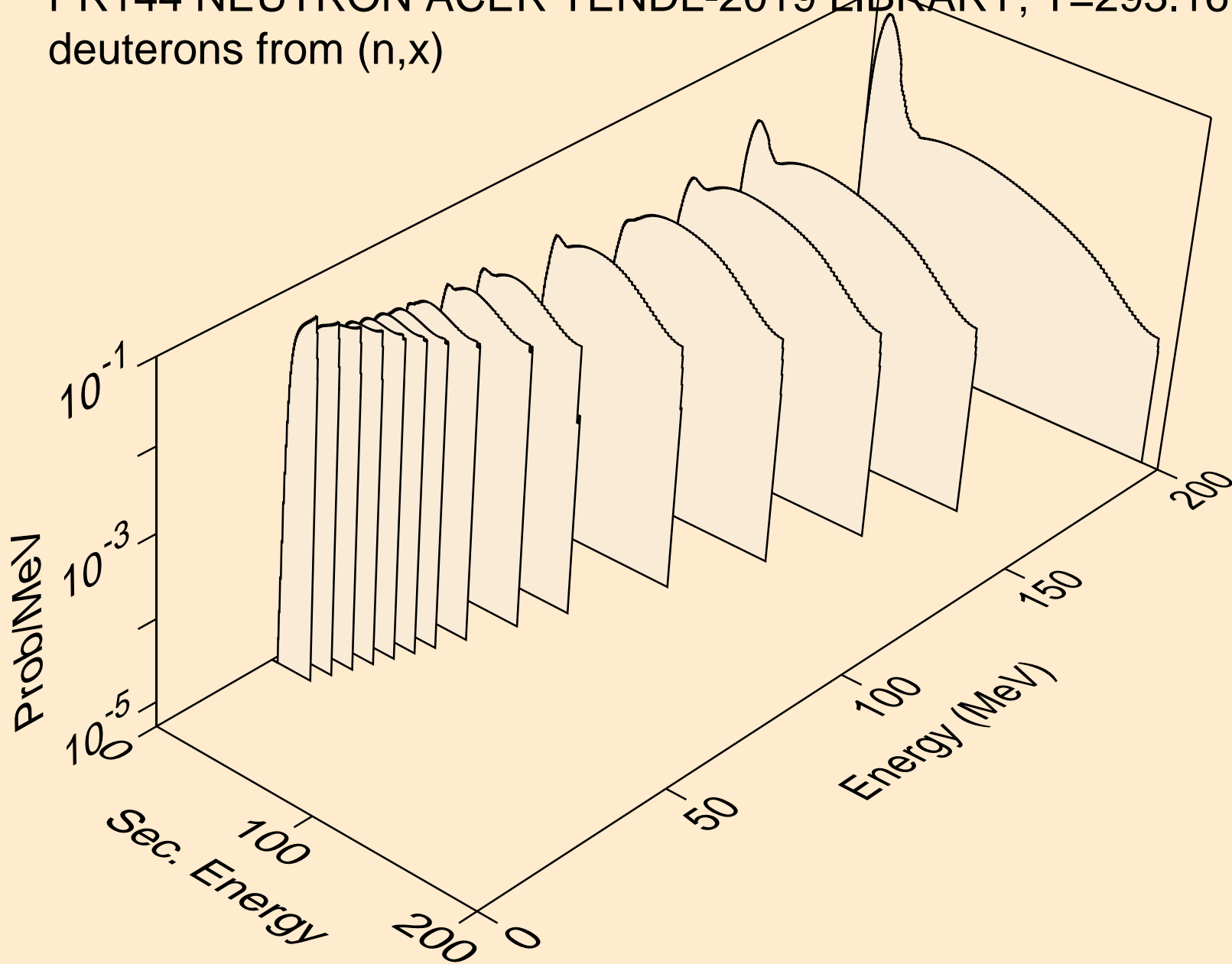
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



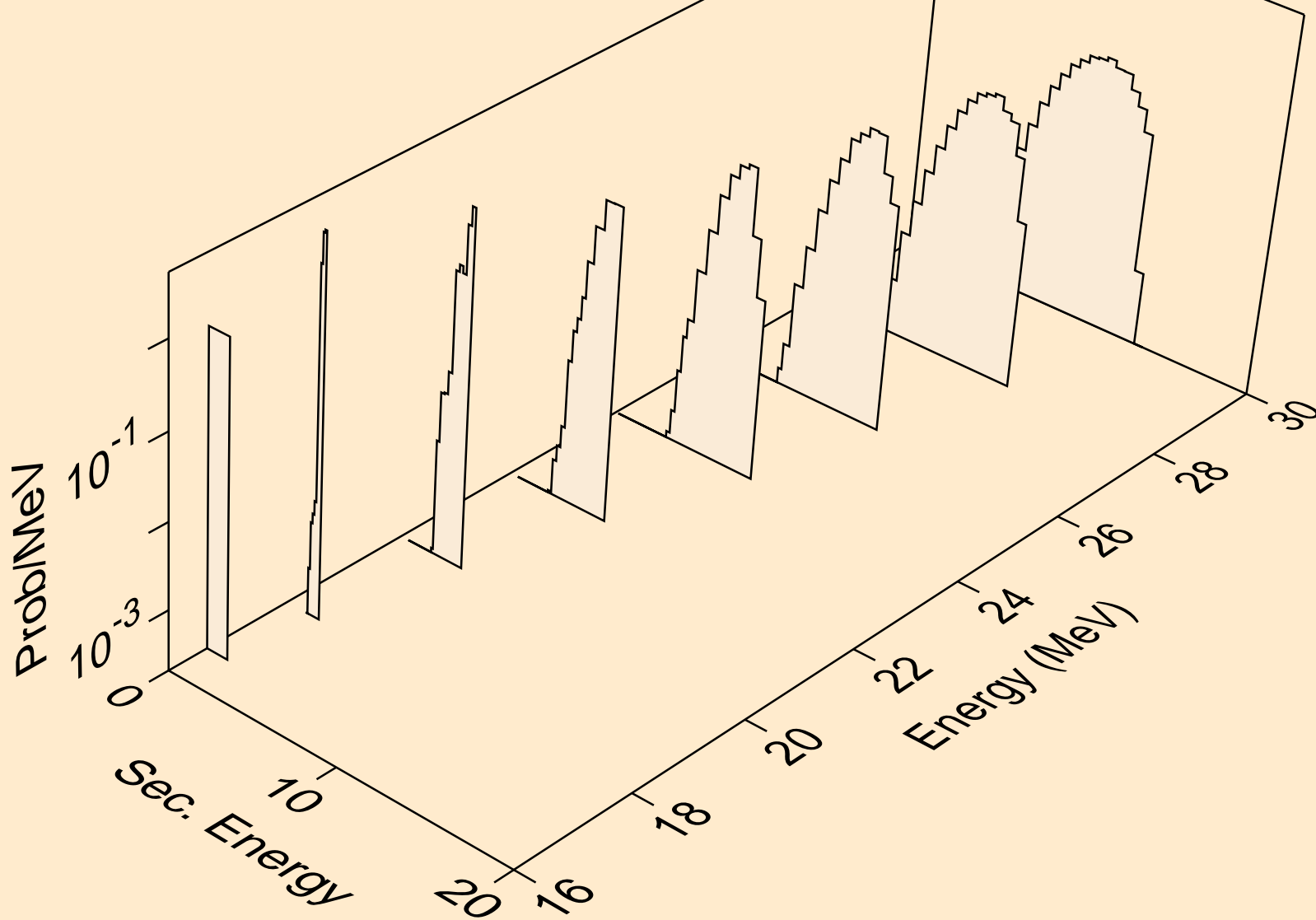
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



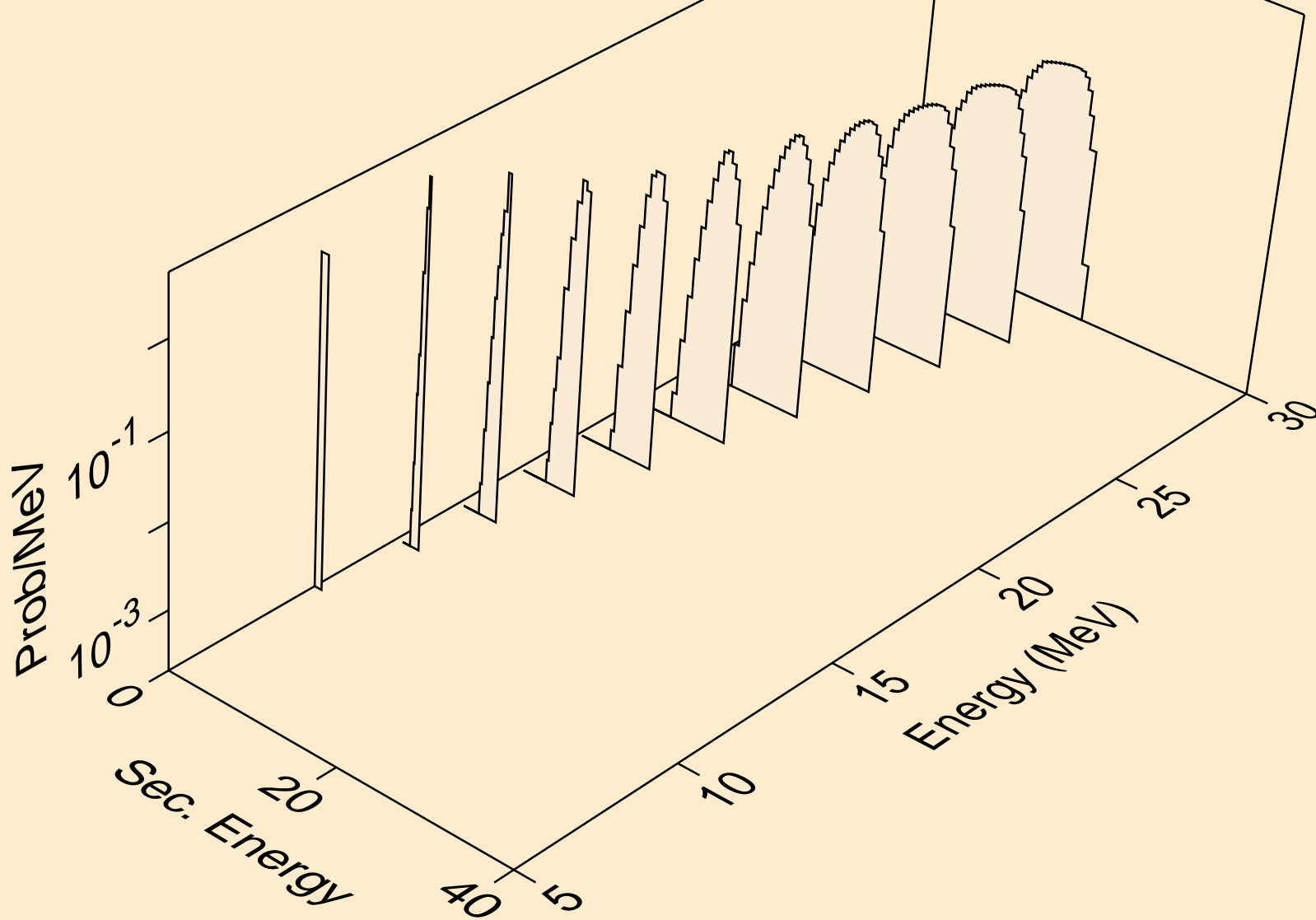
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



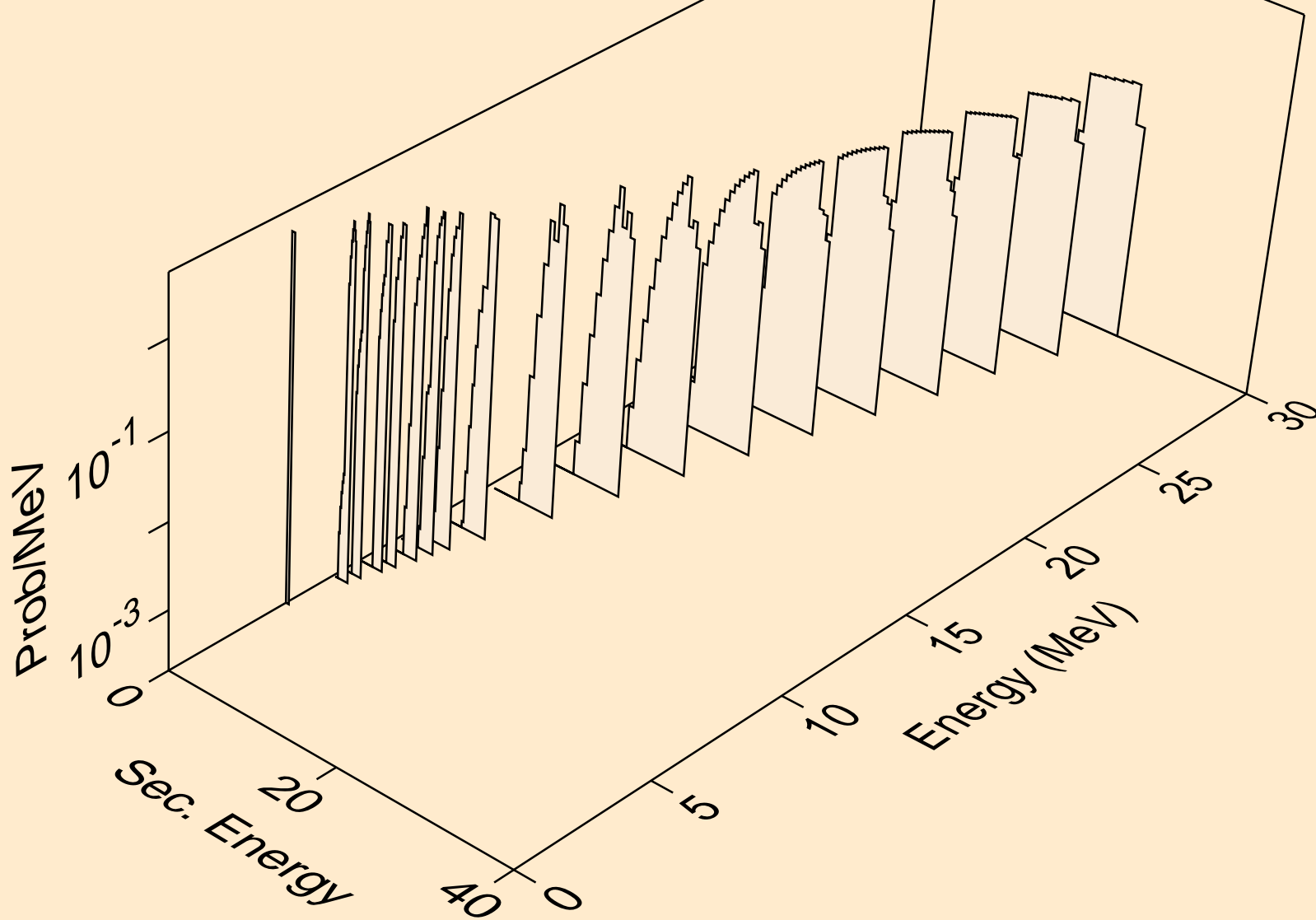
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



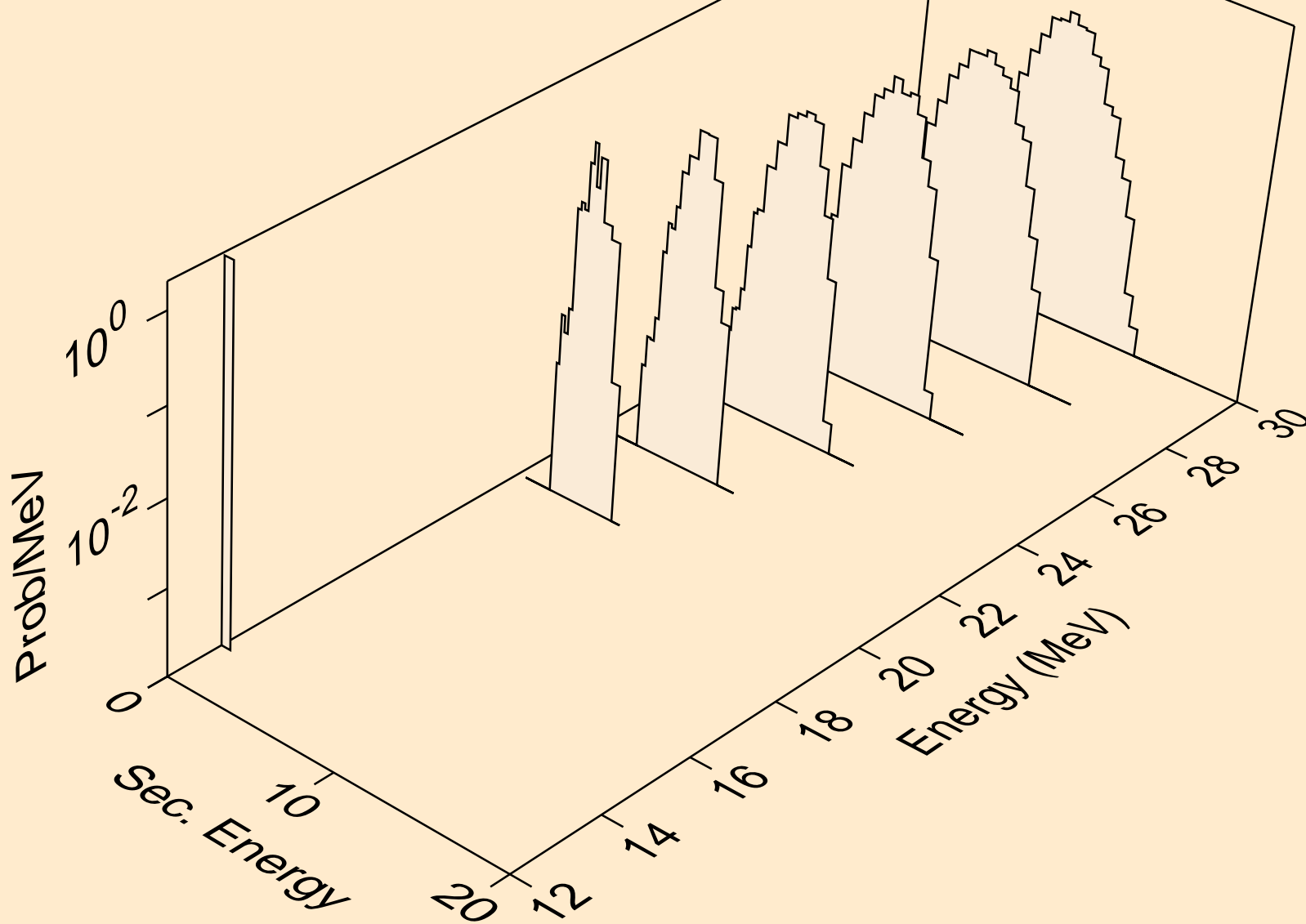
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



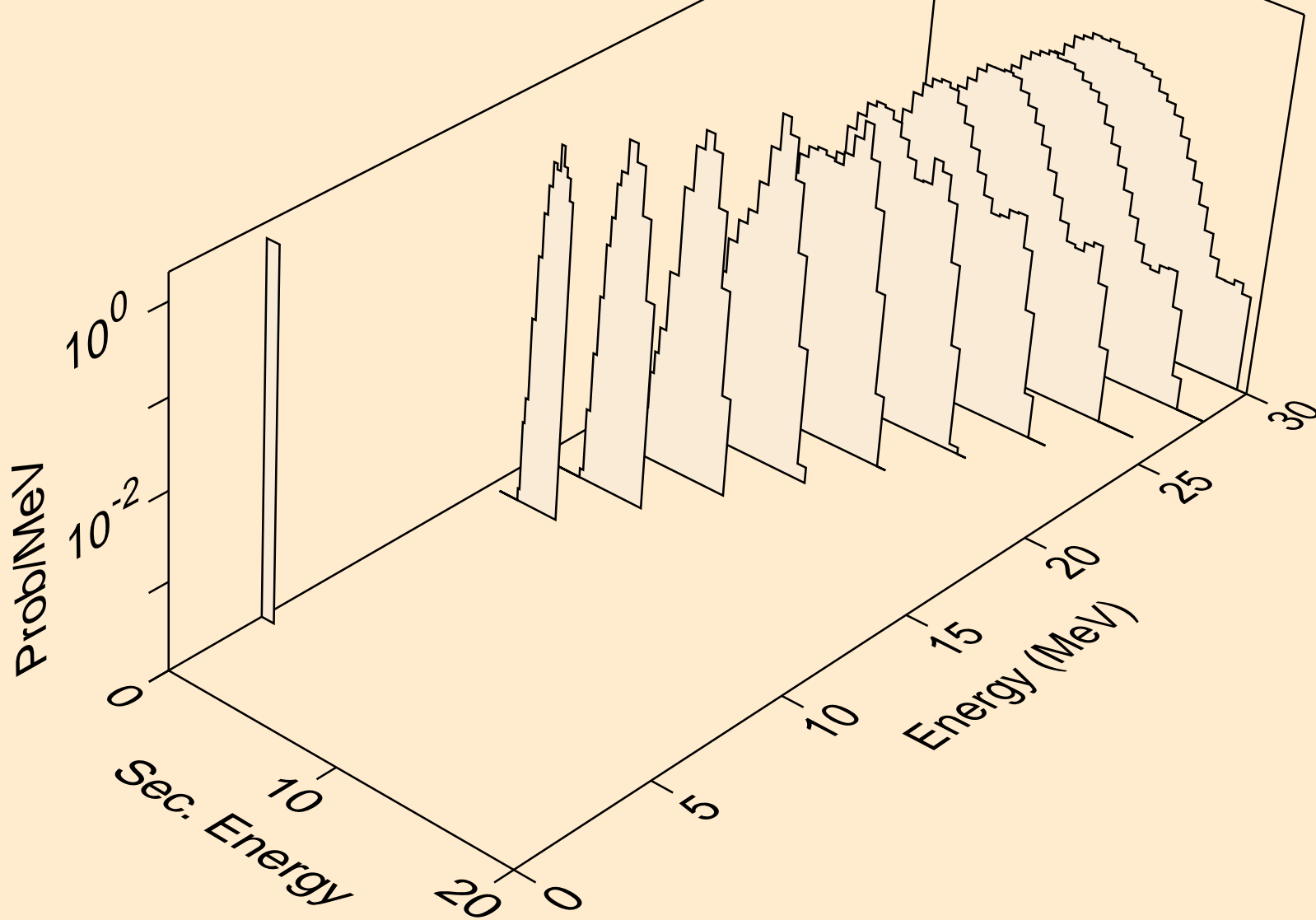
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



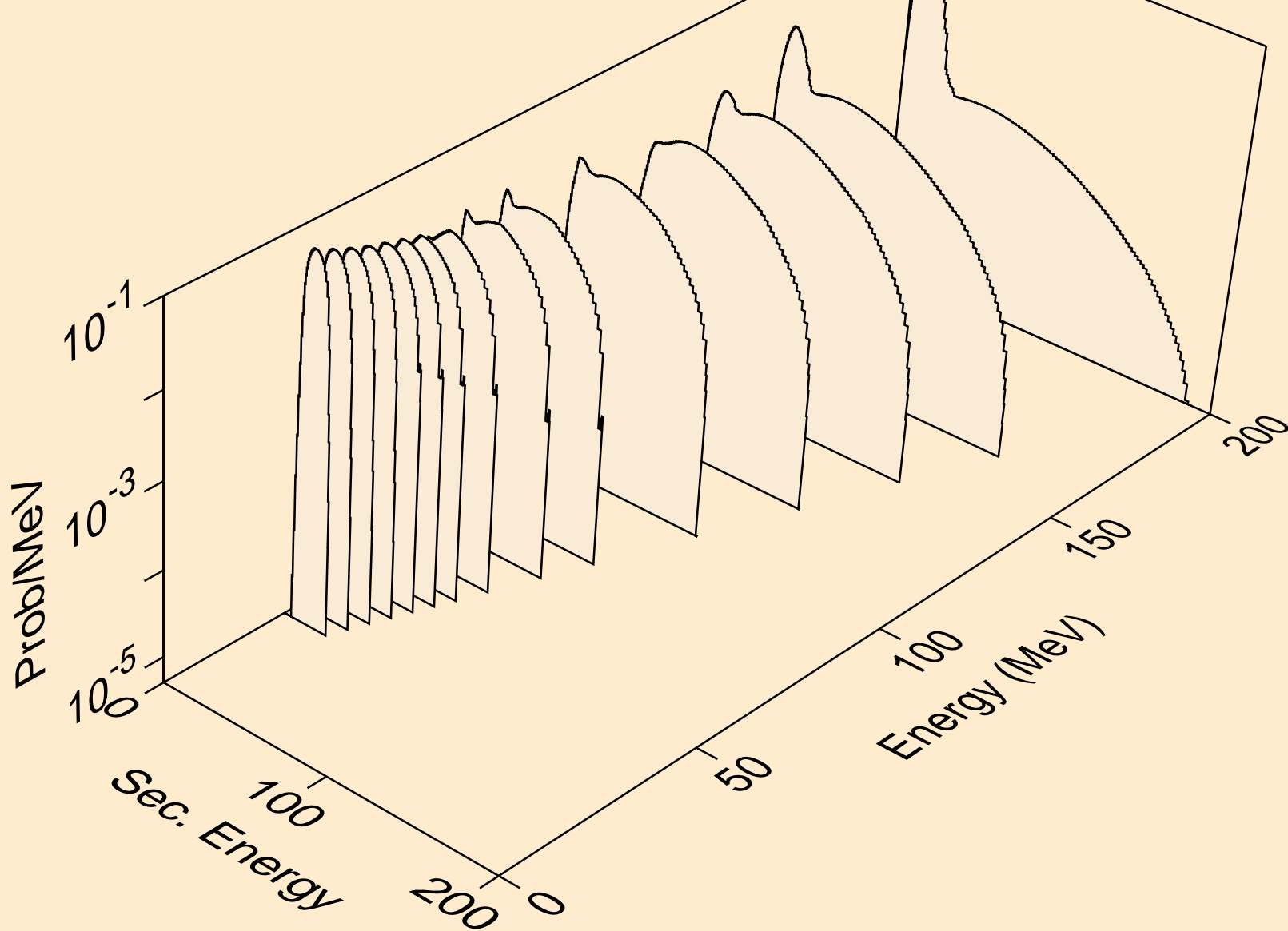
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



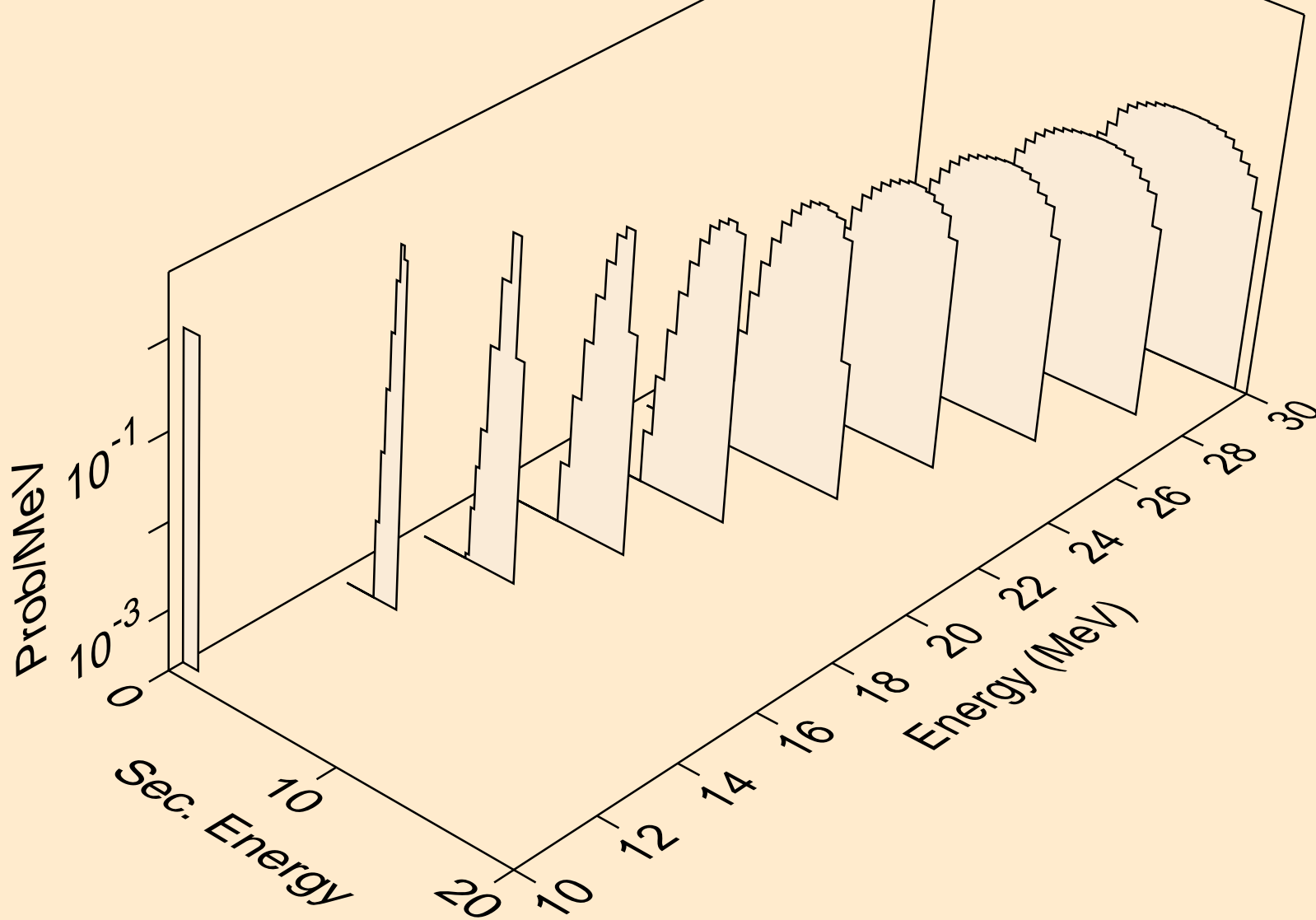
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



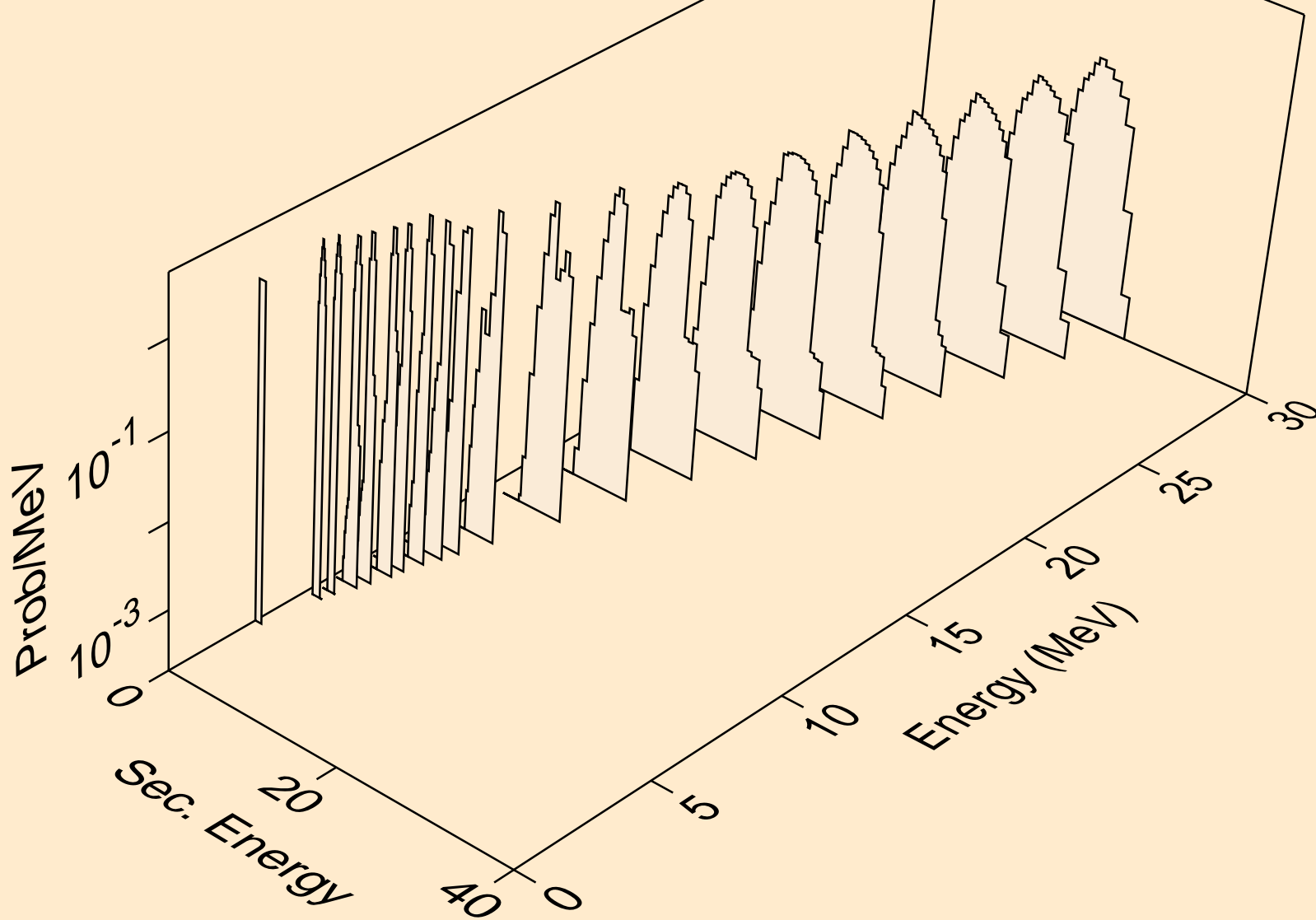
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



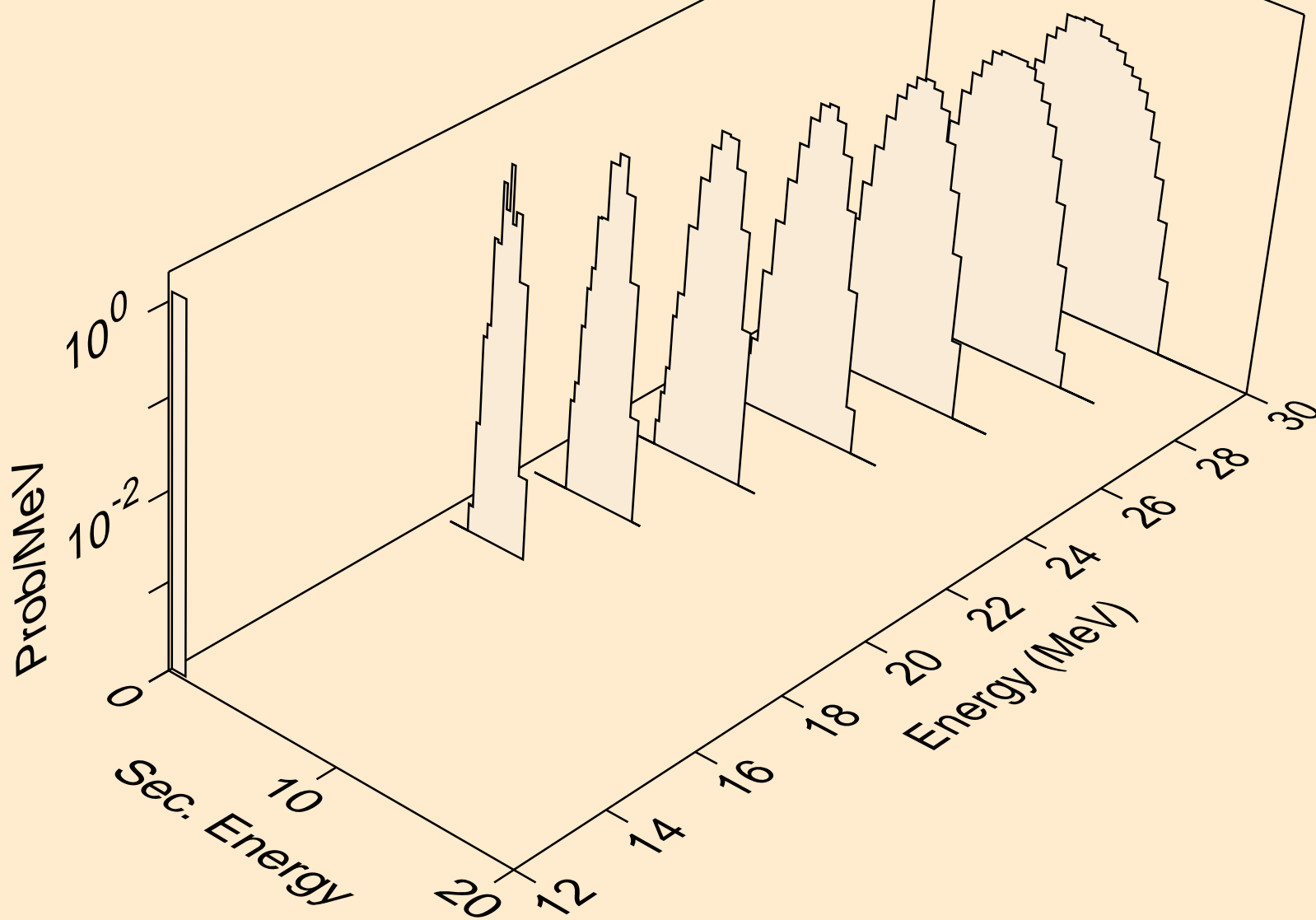
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



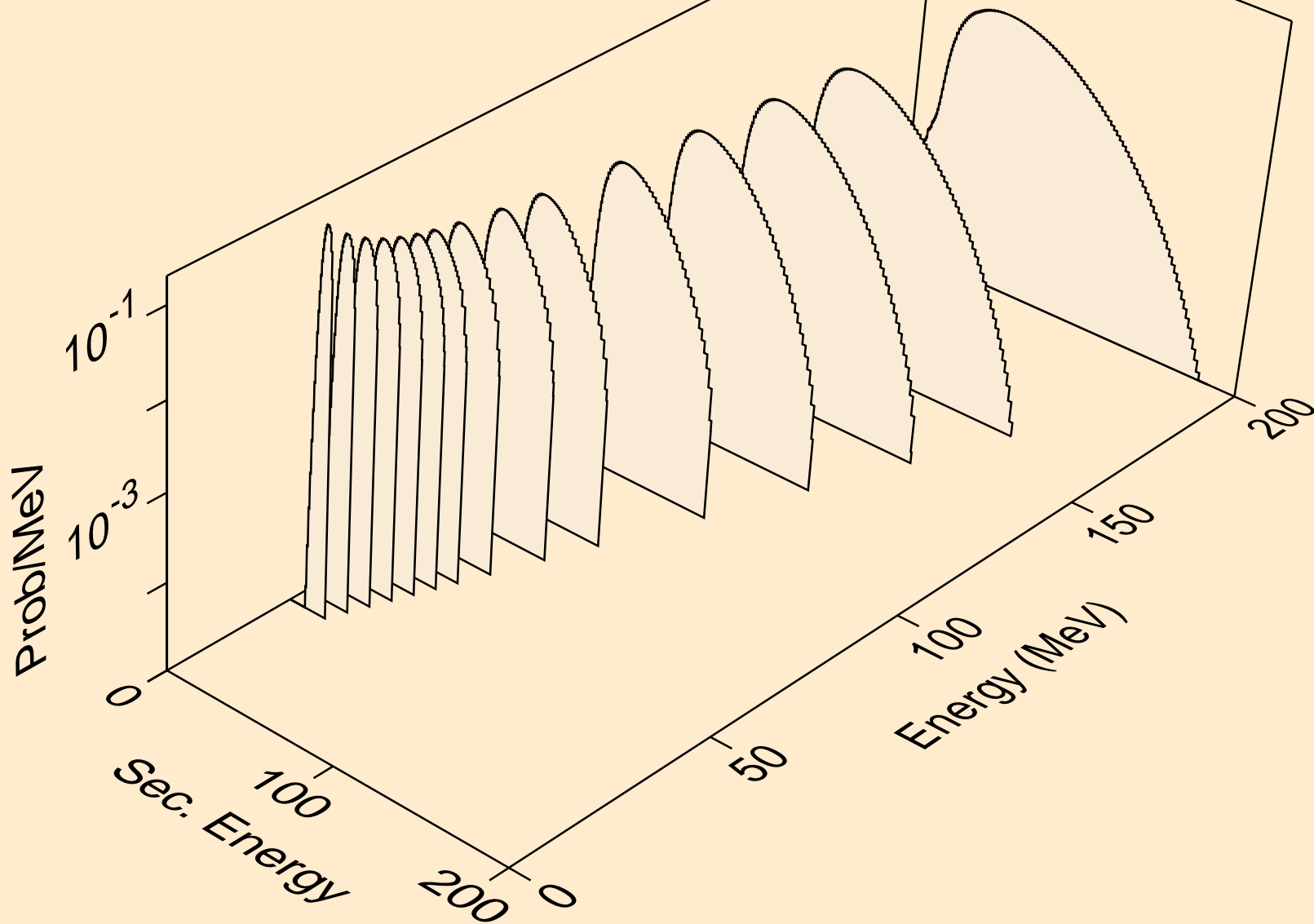
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



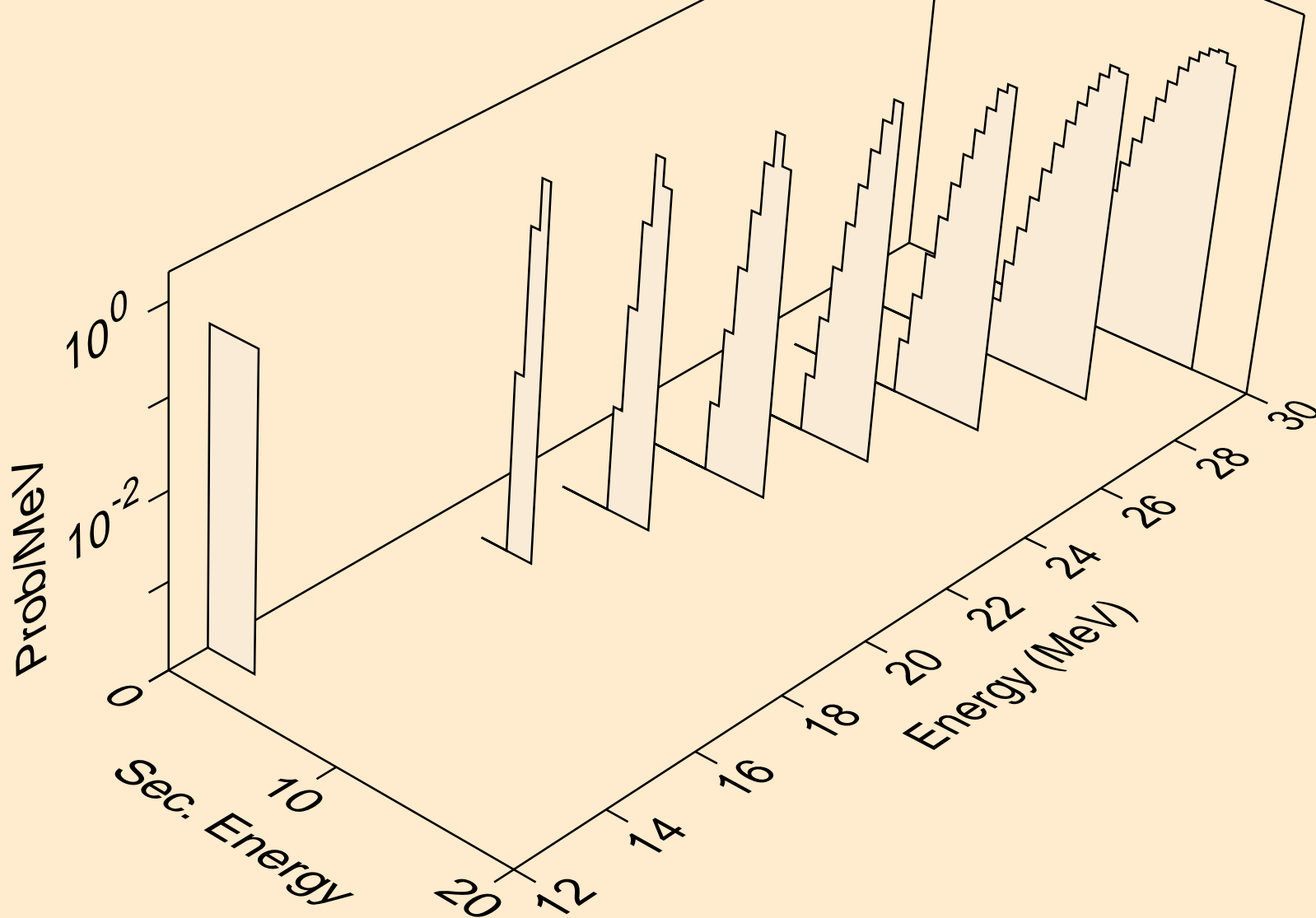
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



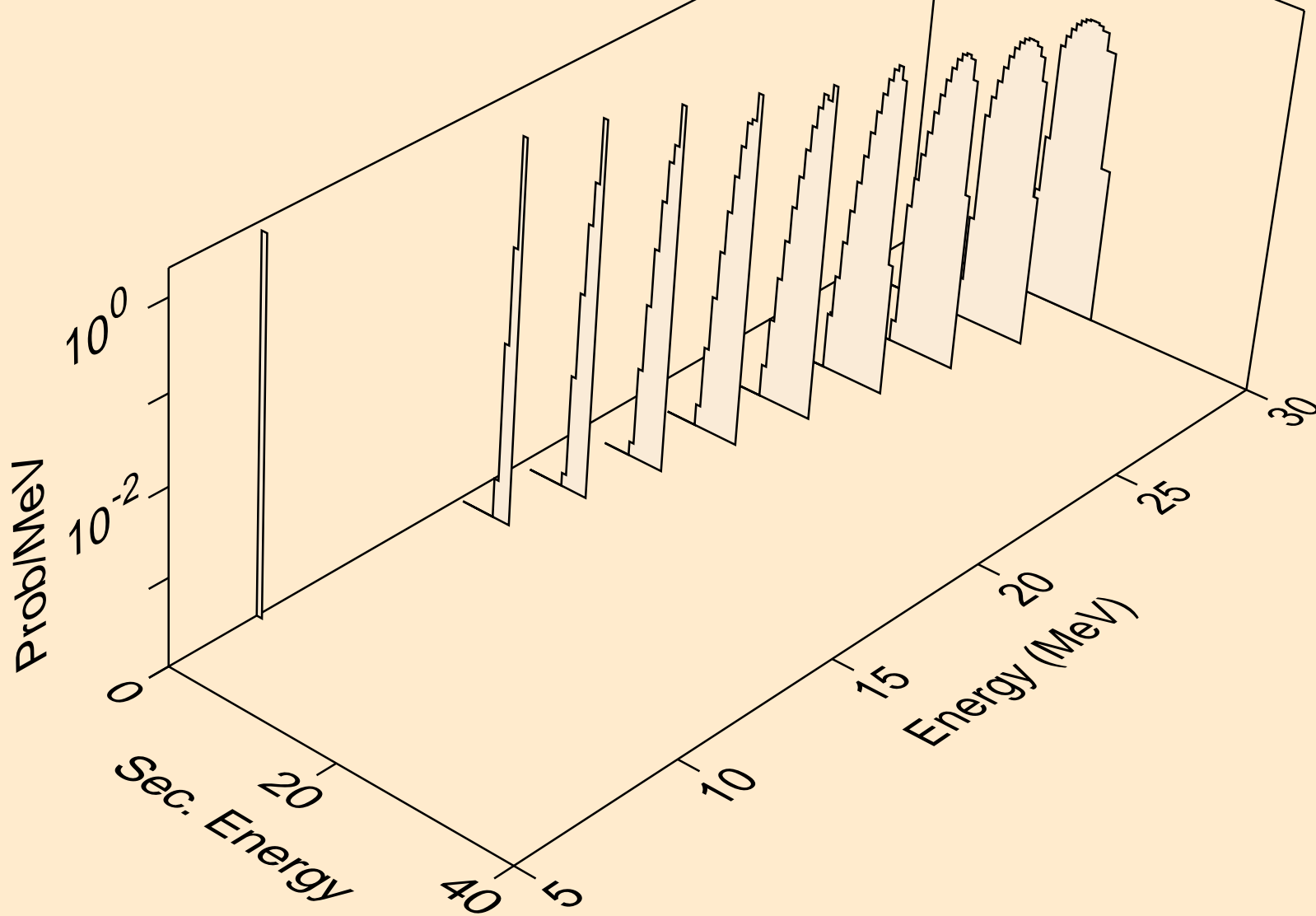
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



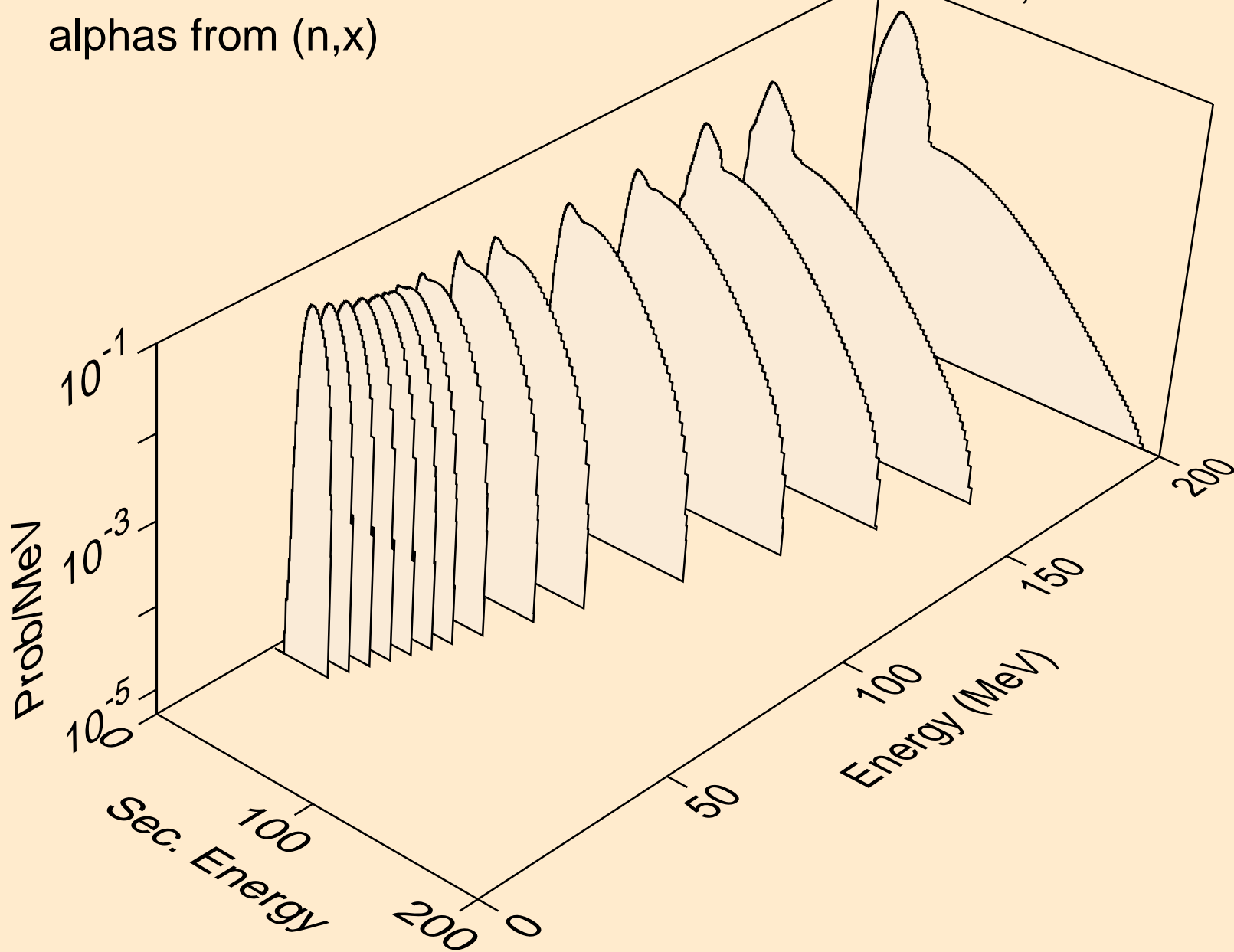
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



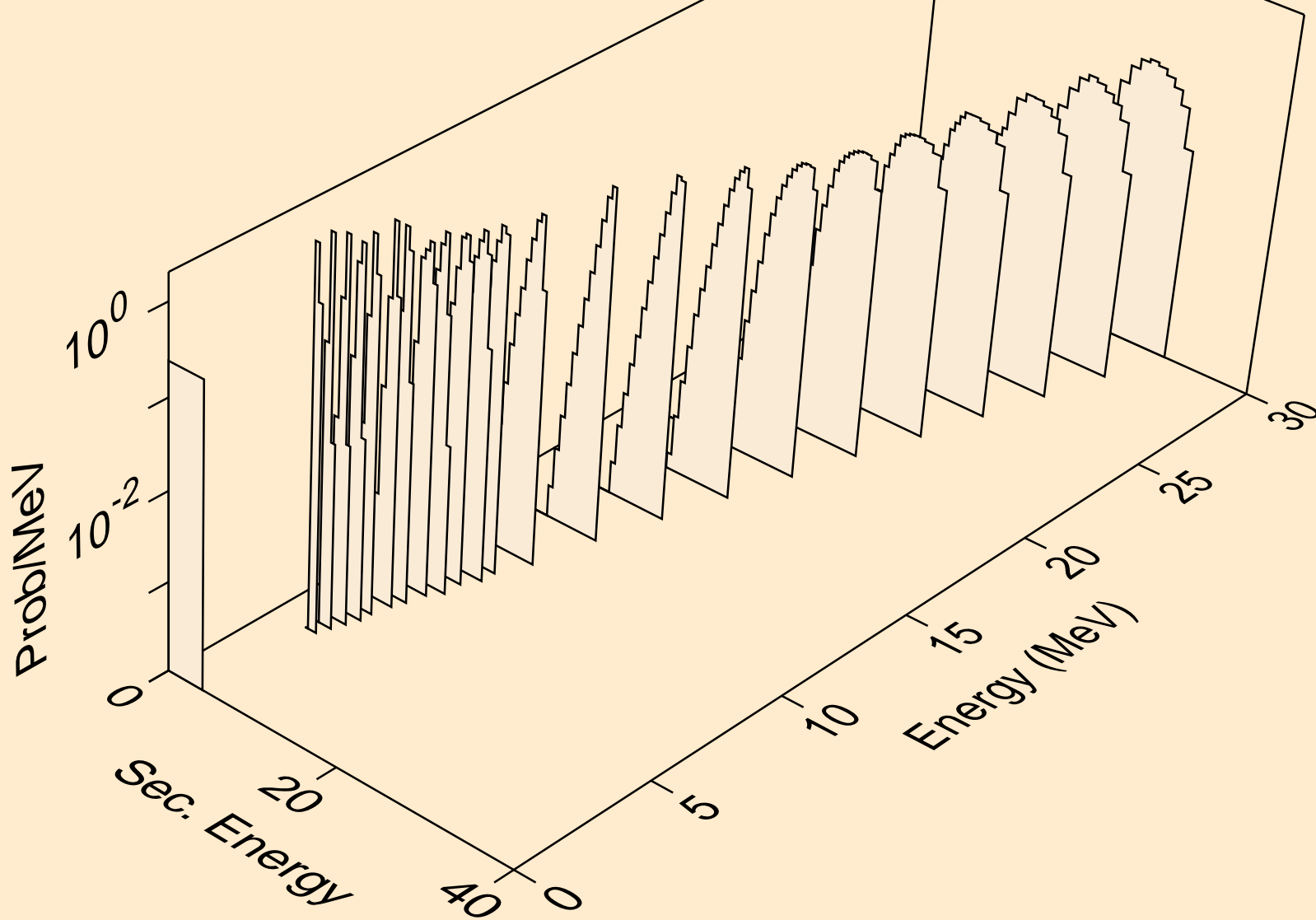
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
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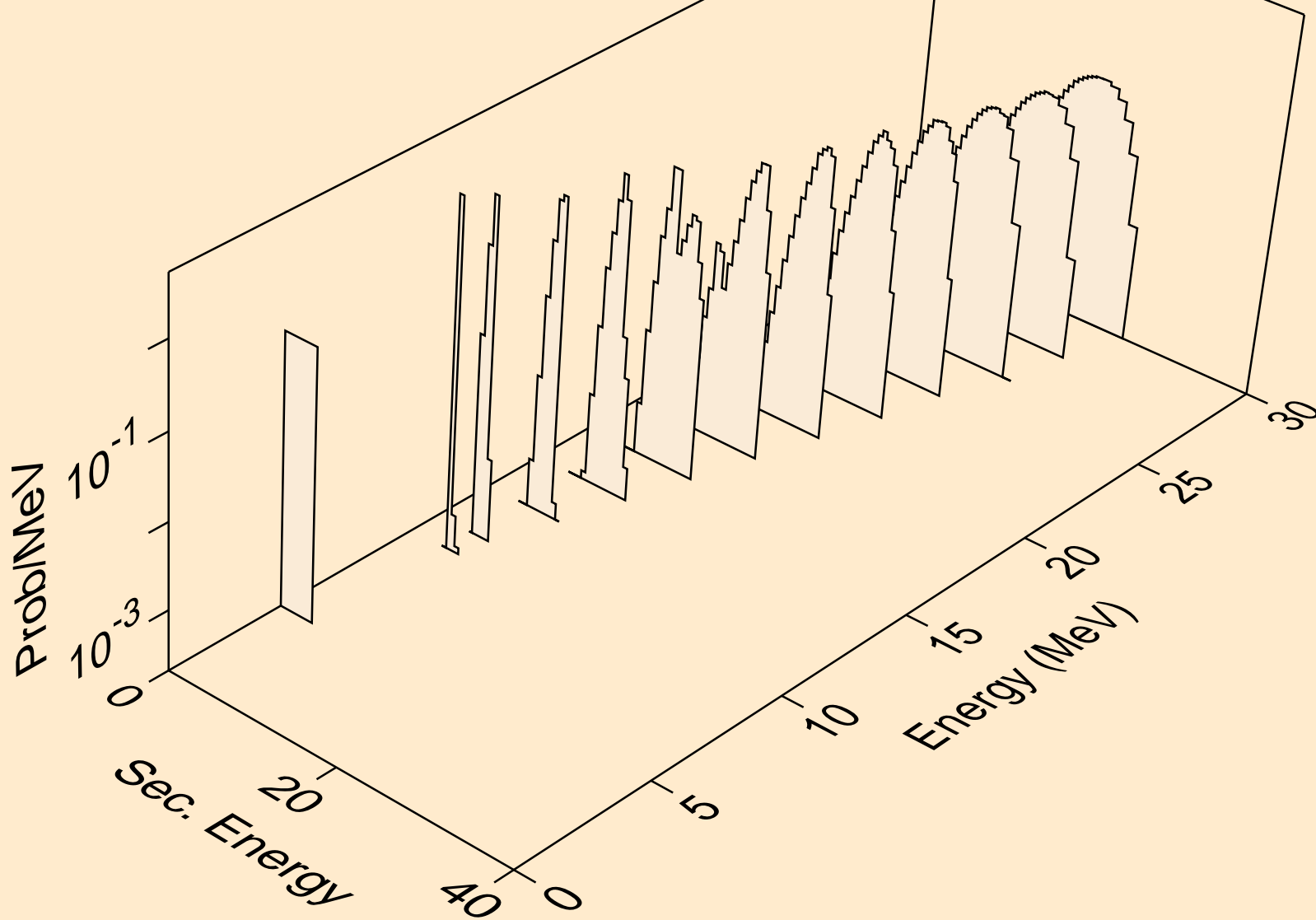
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



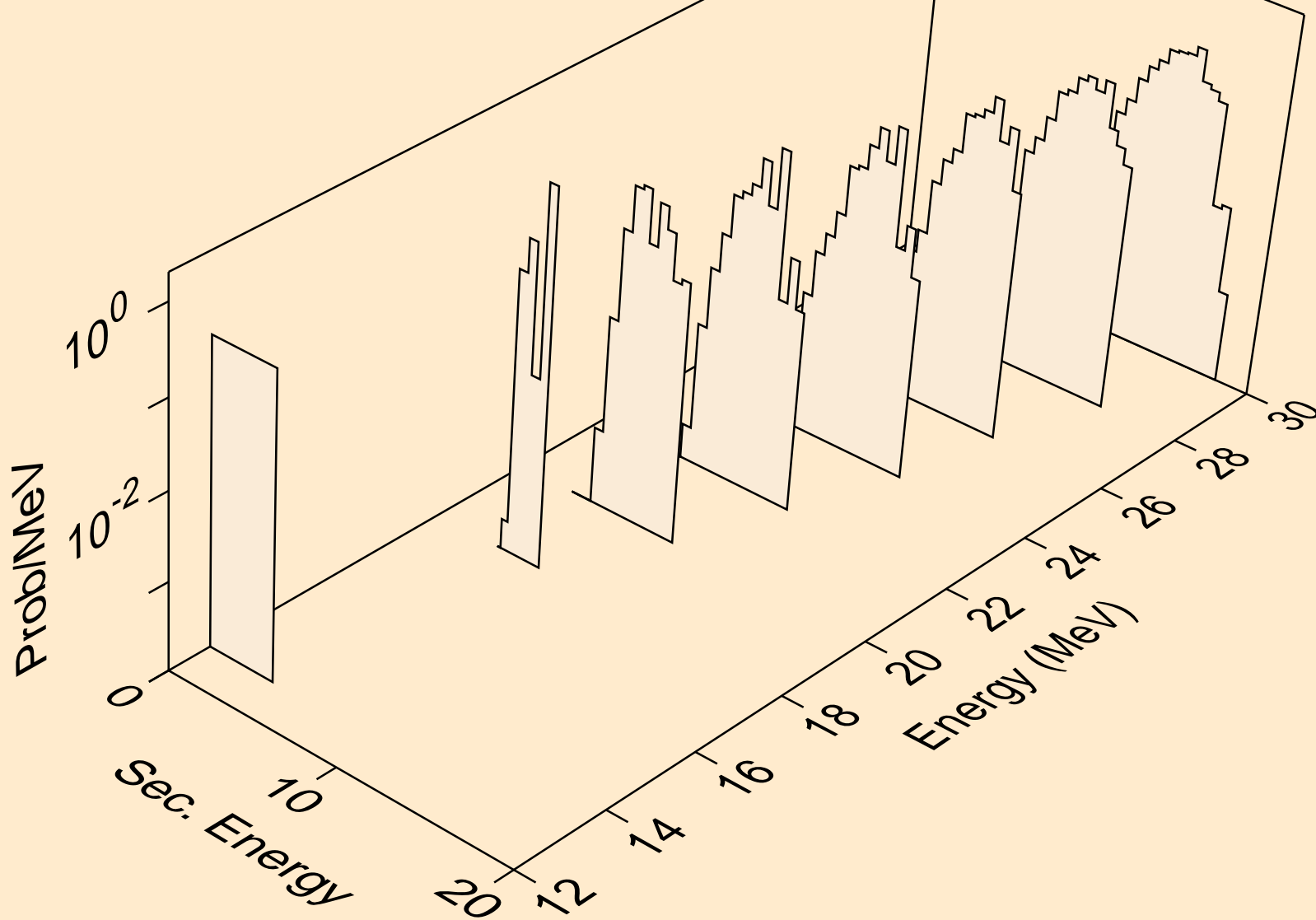
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



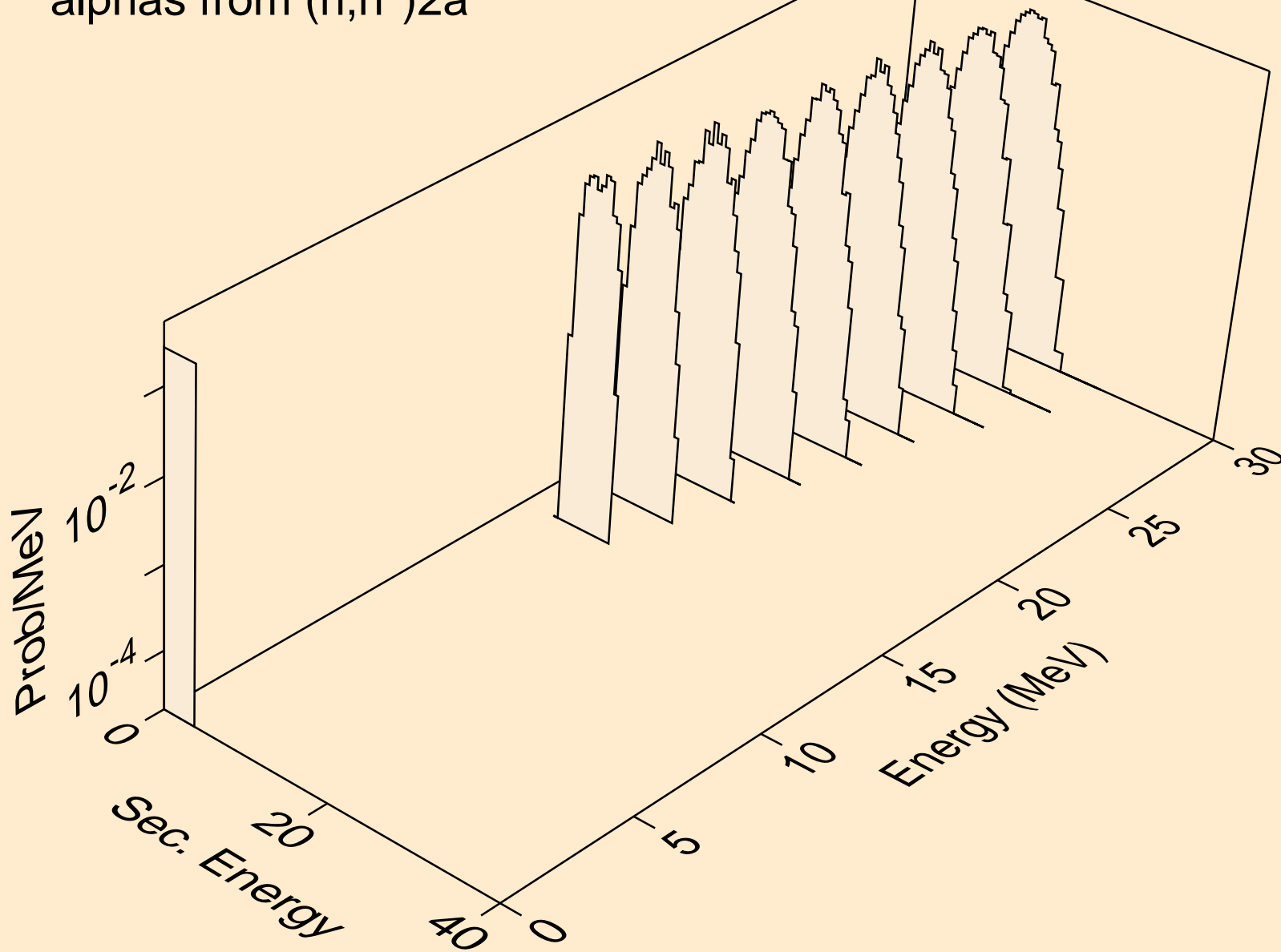
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



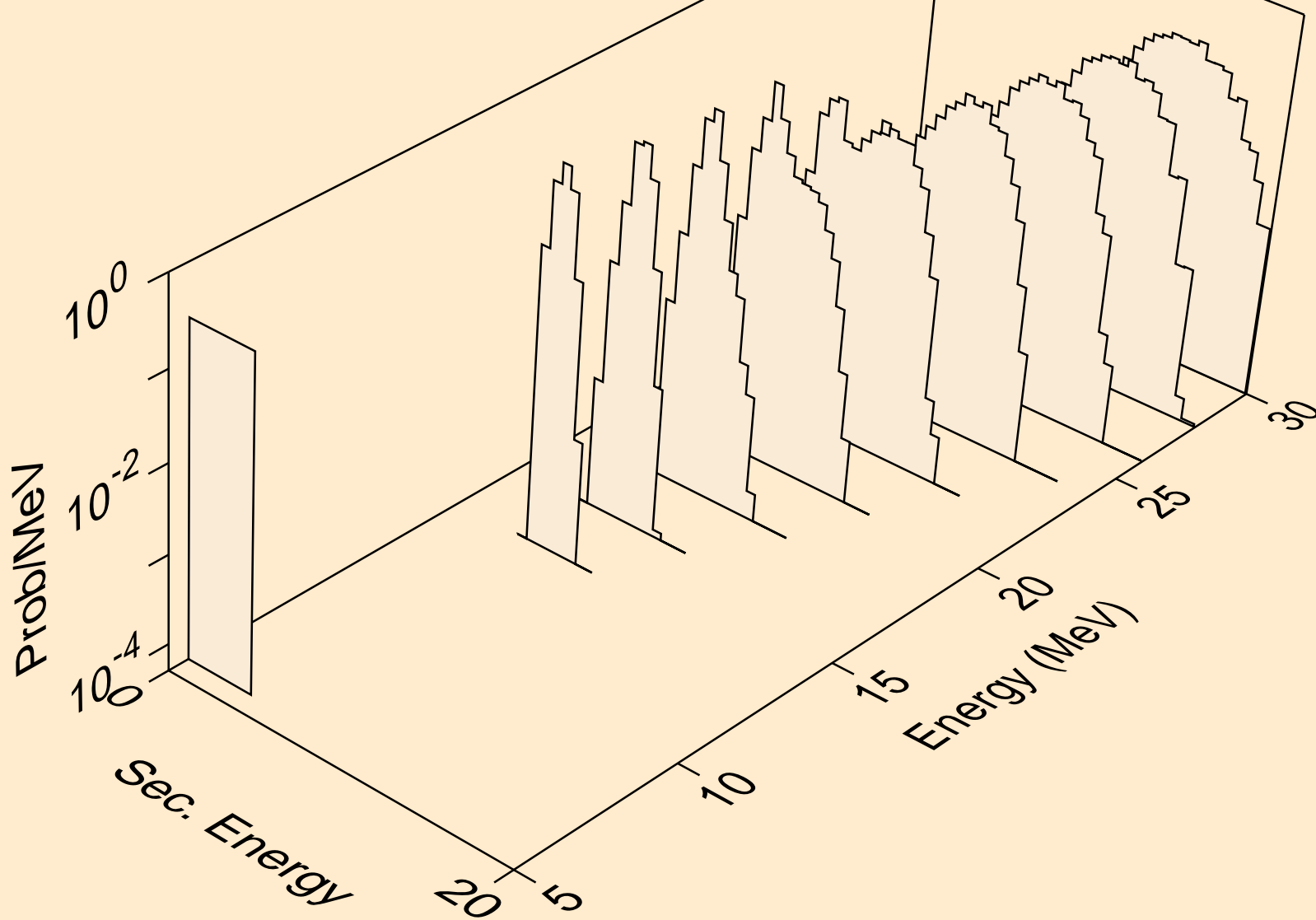
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



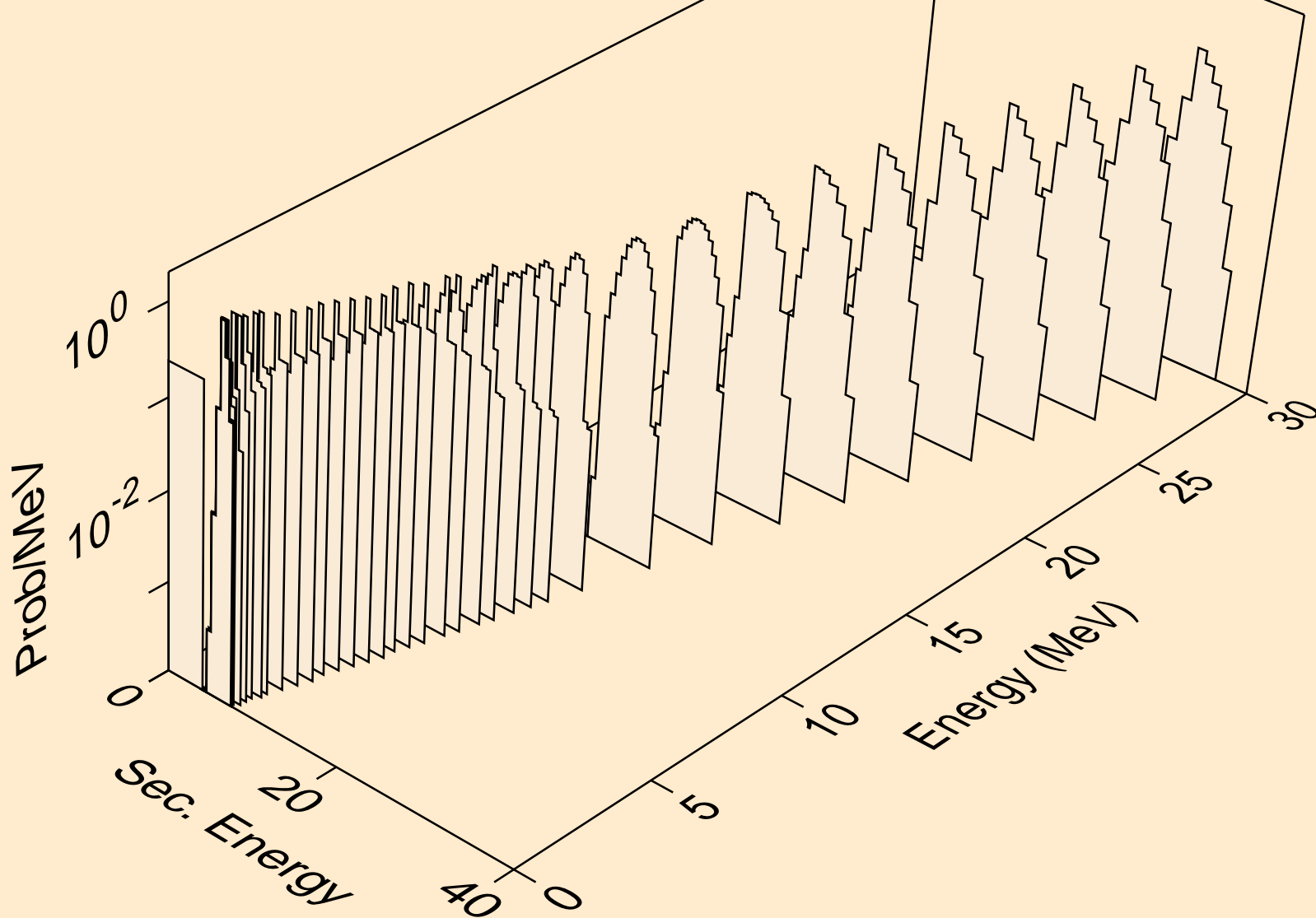
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



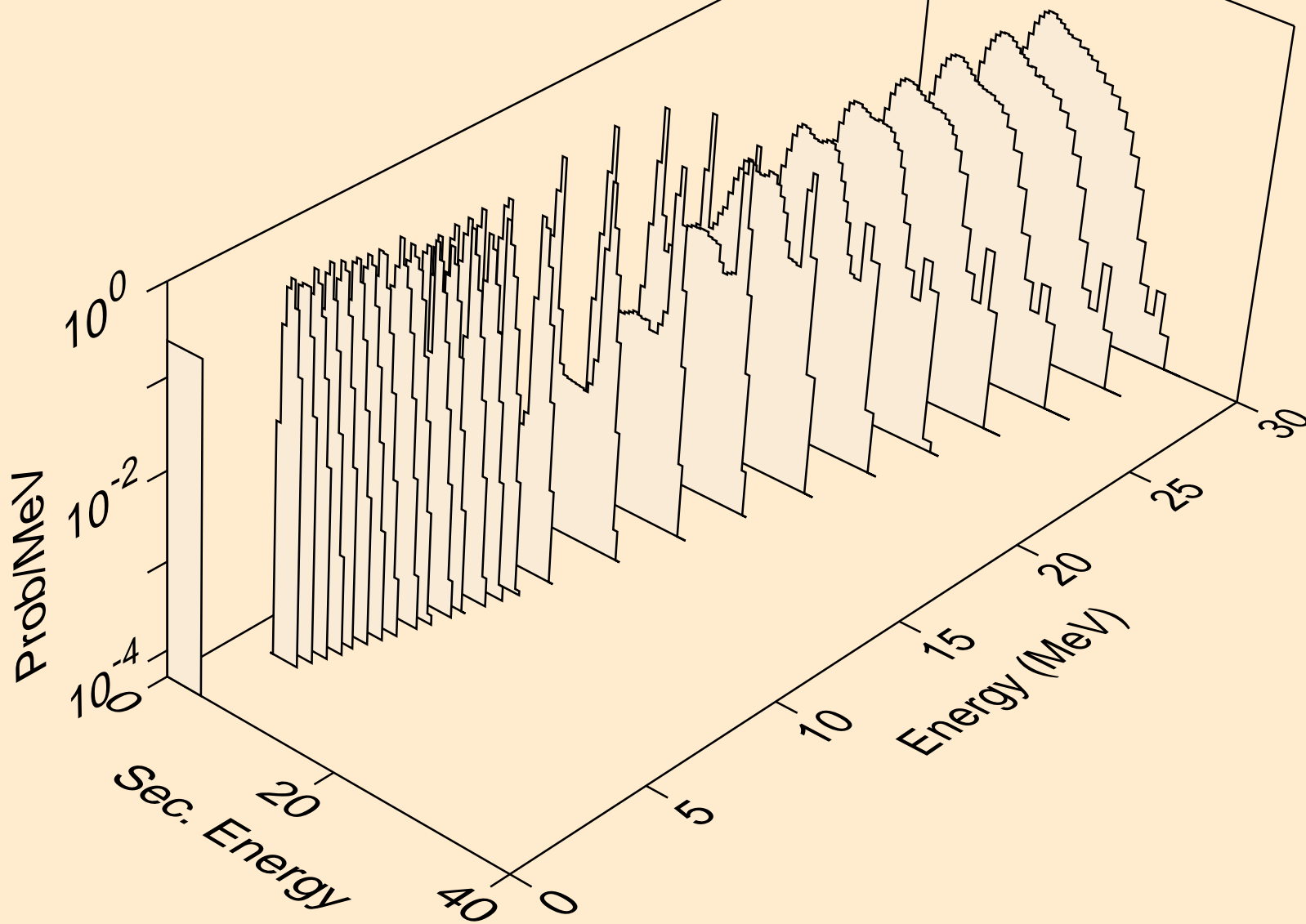
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



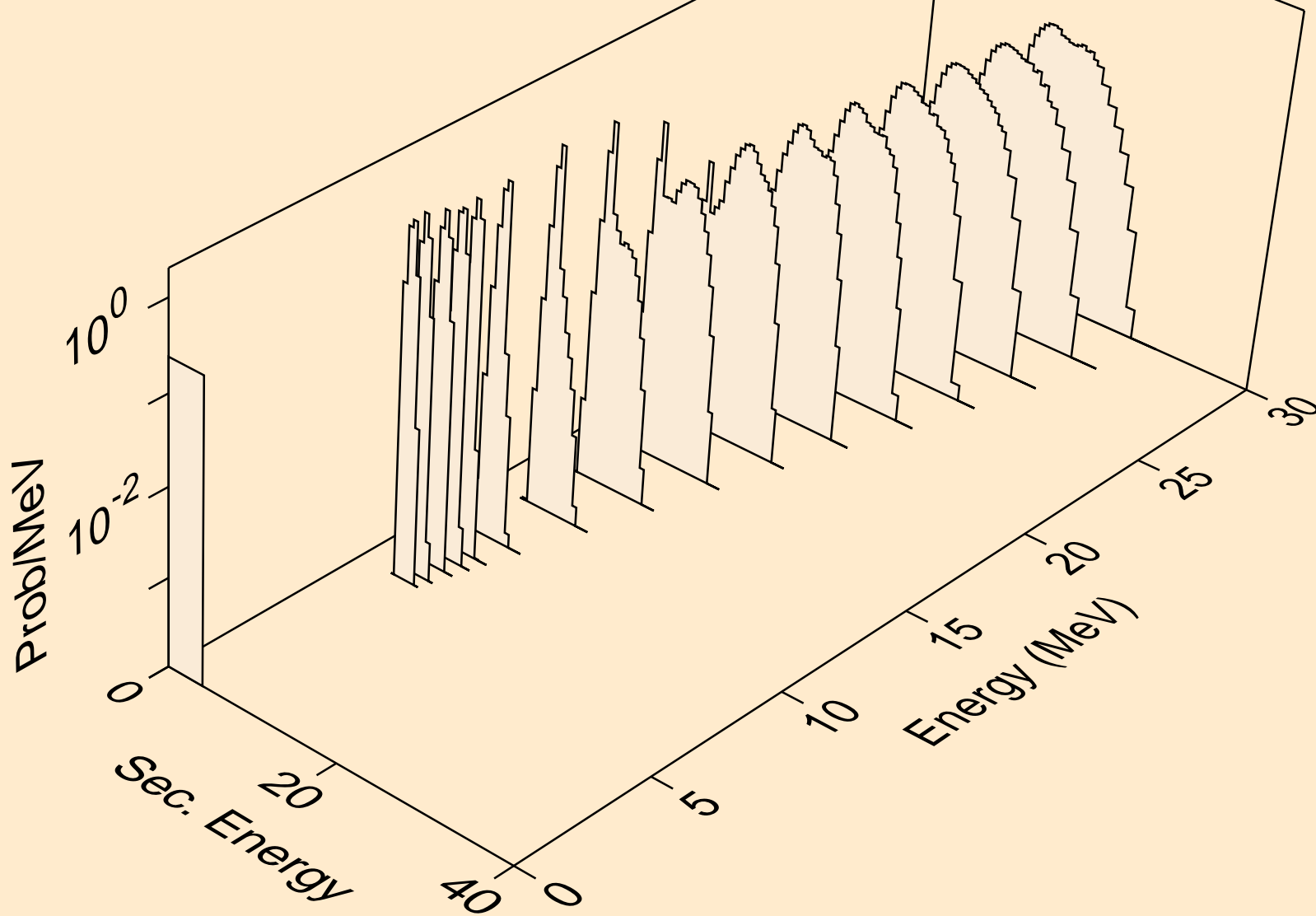
PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



PR144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

