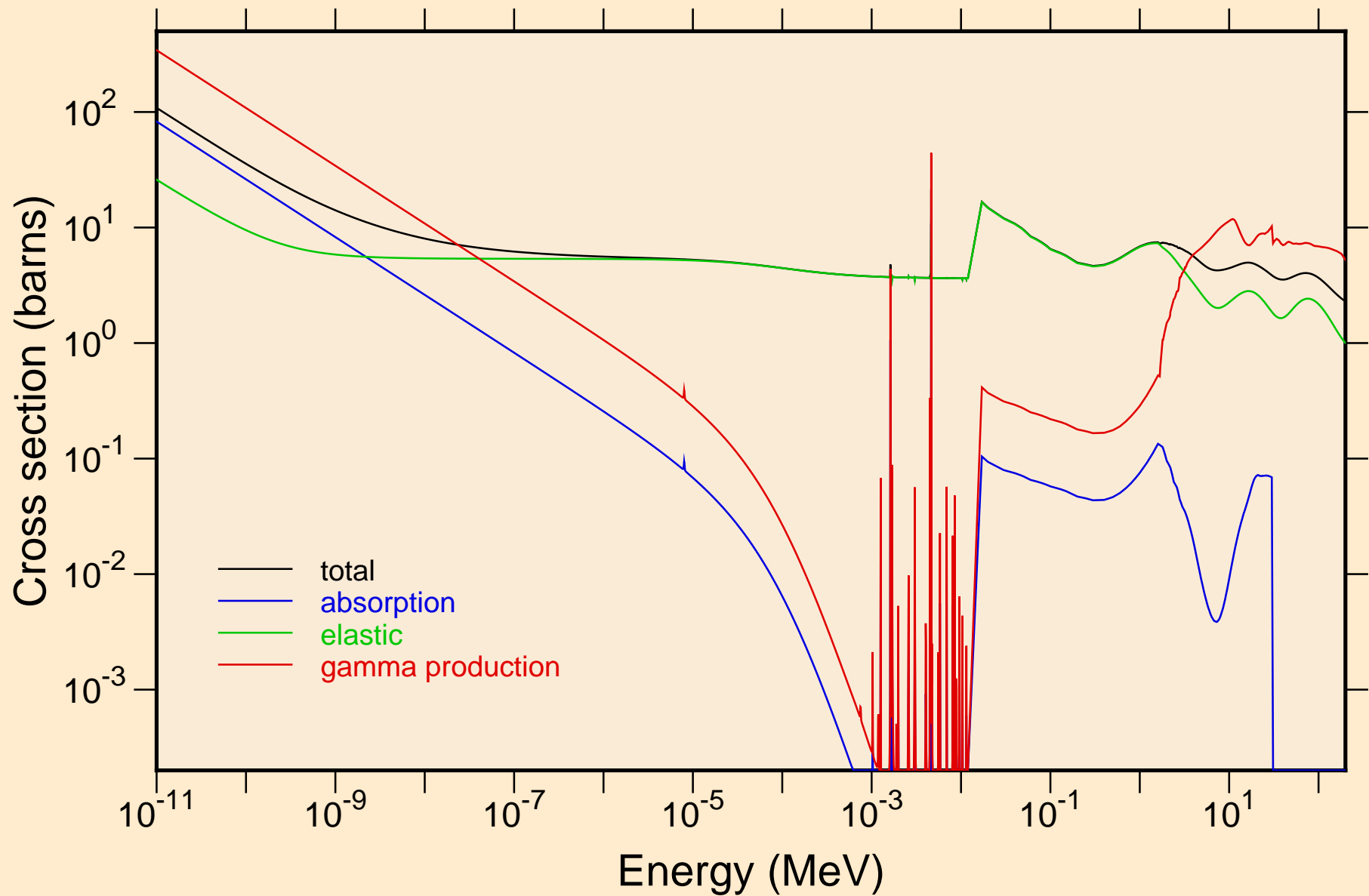
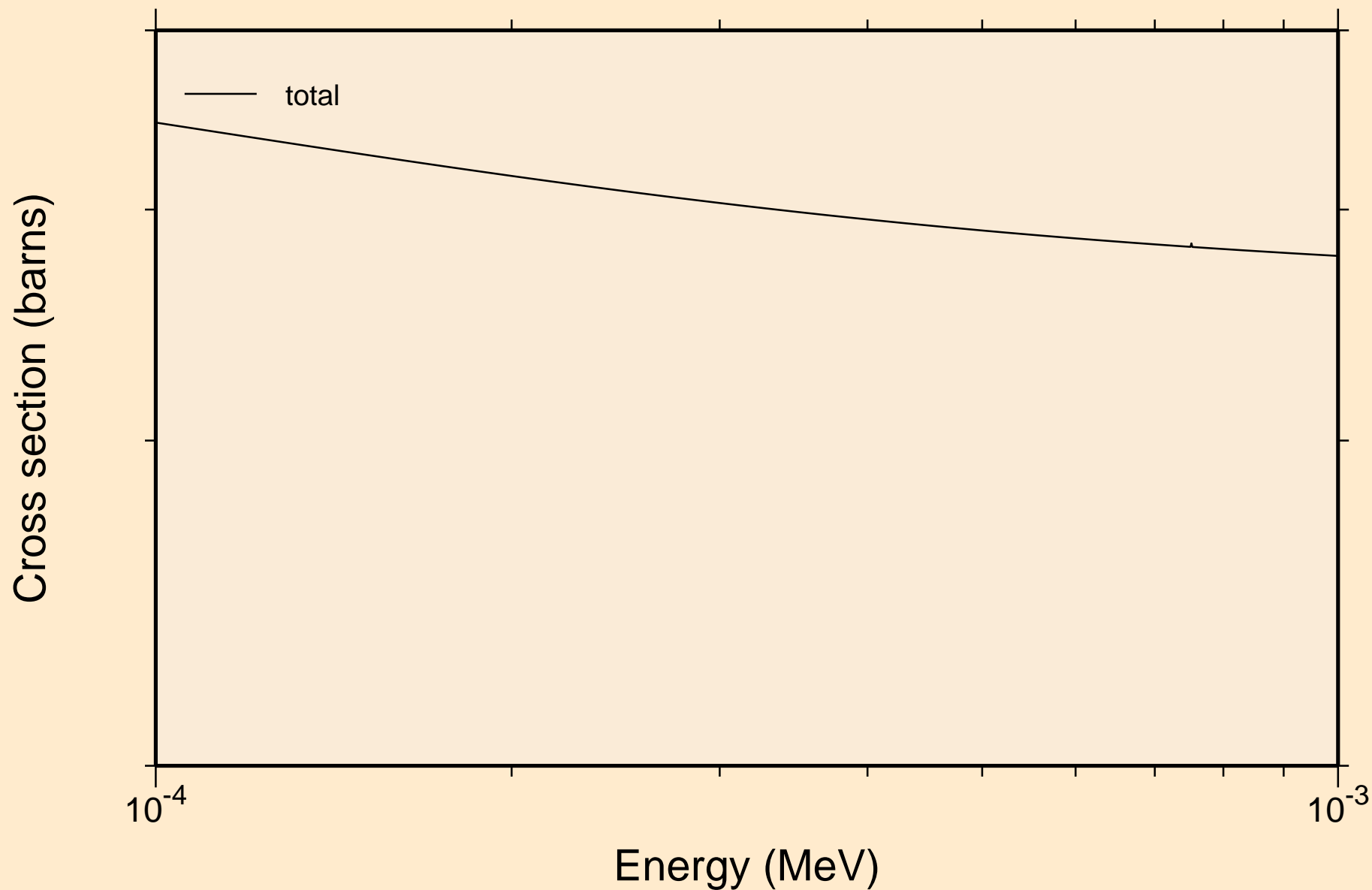


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

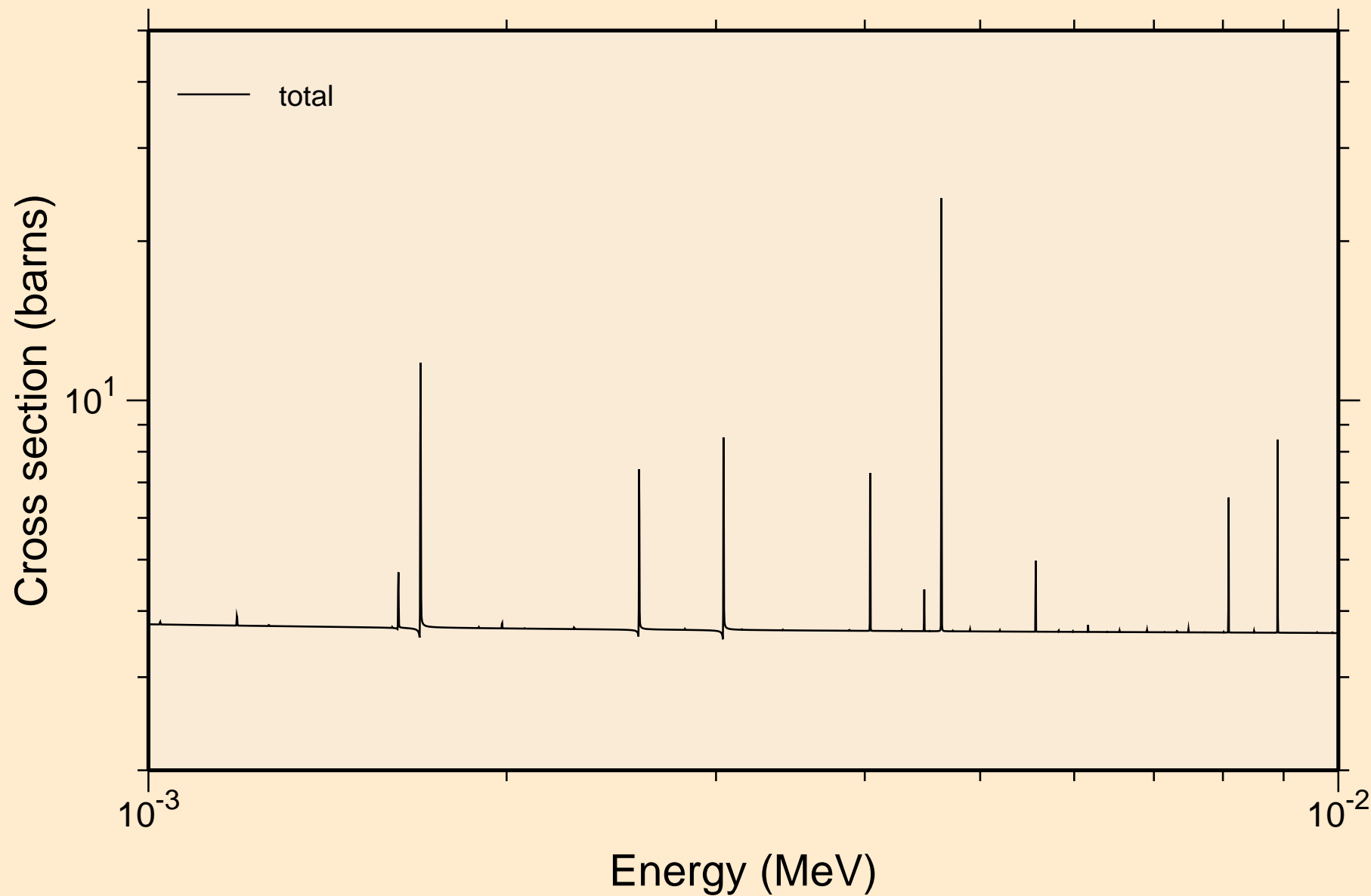
Principal cross sections



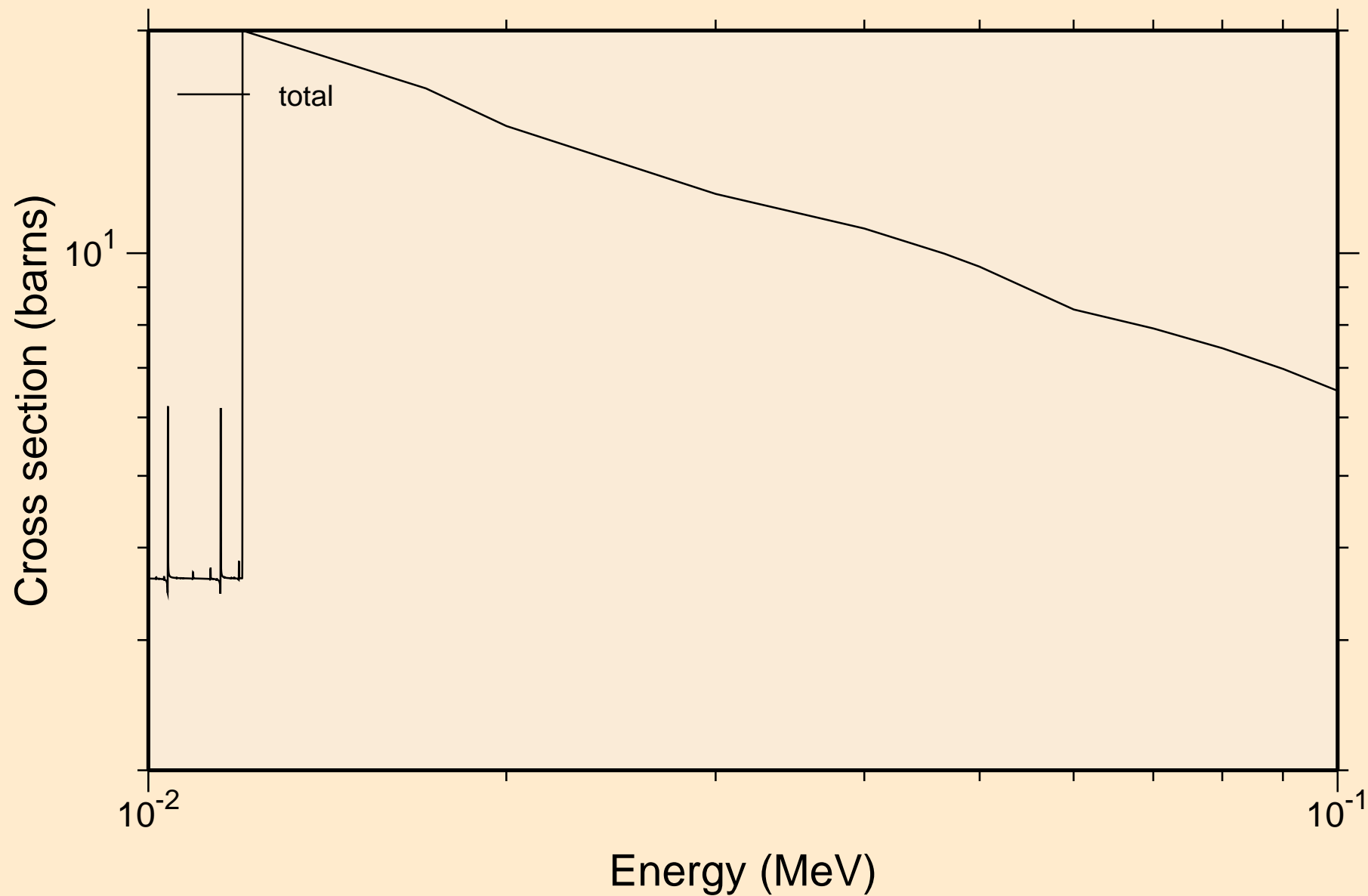
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



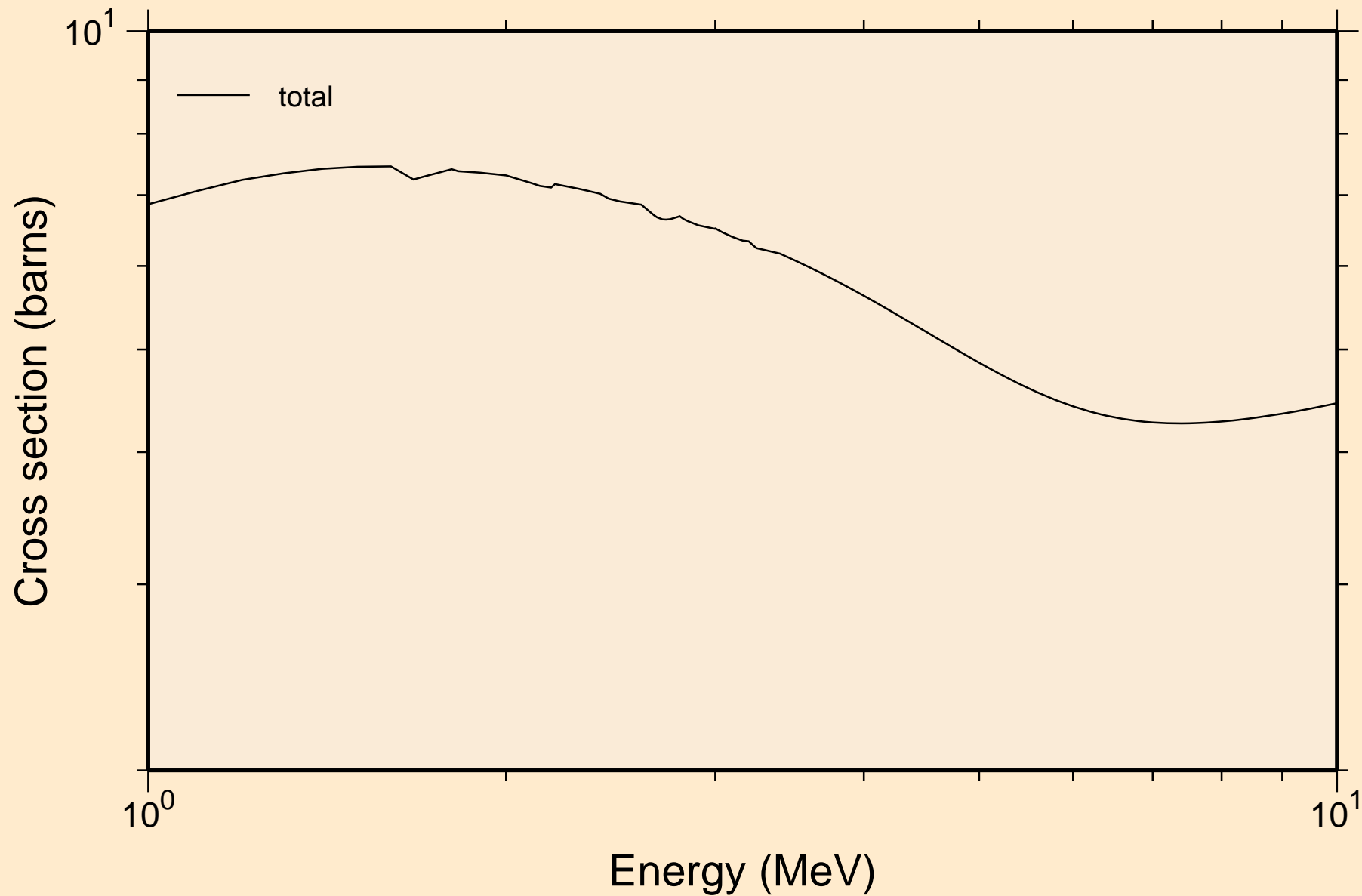
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



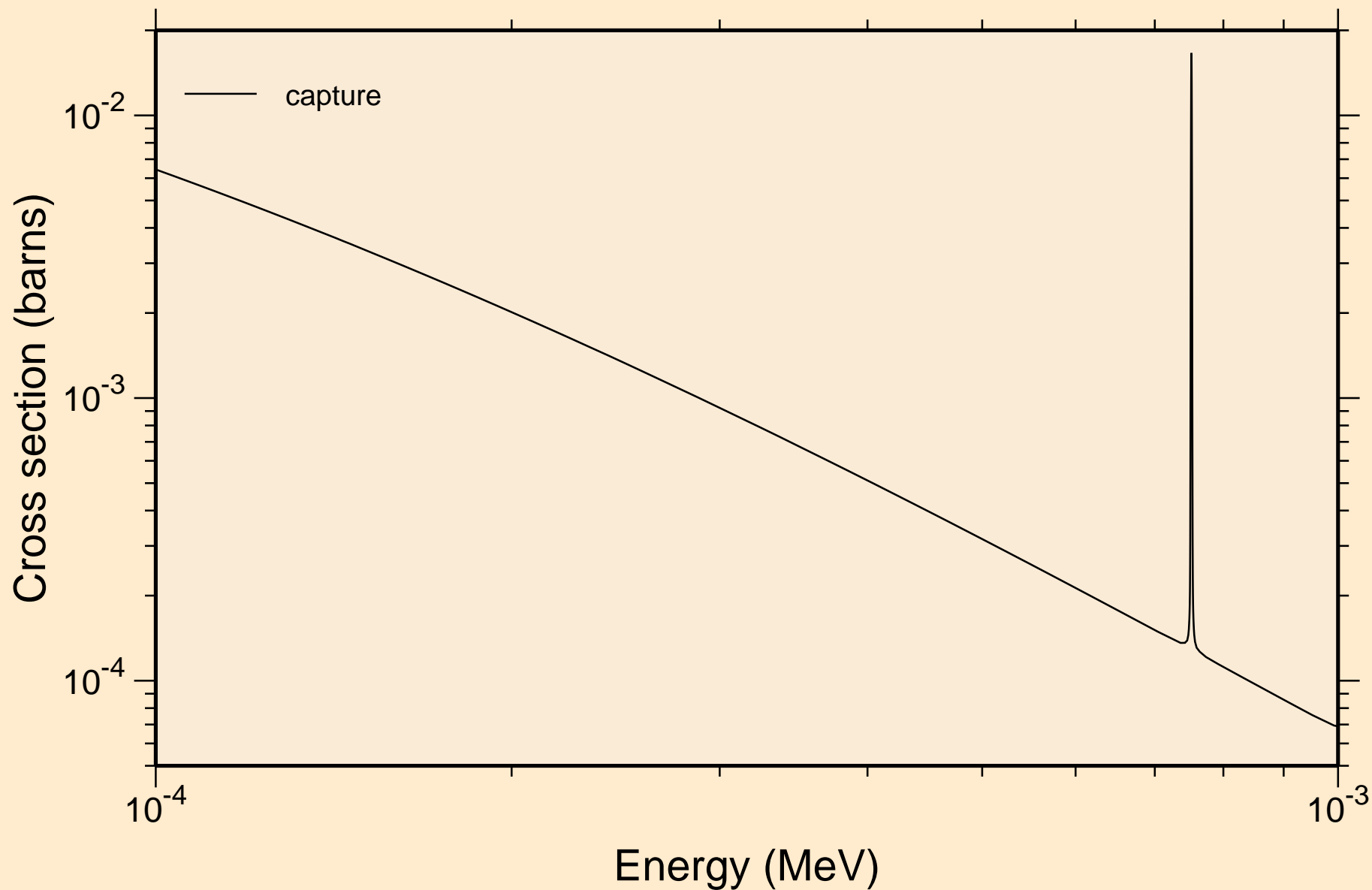
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



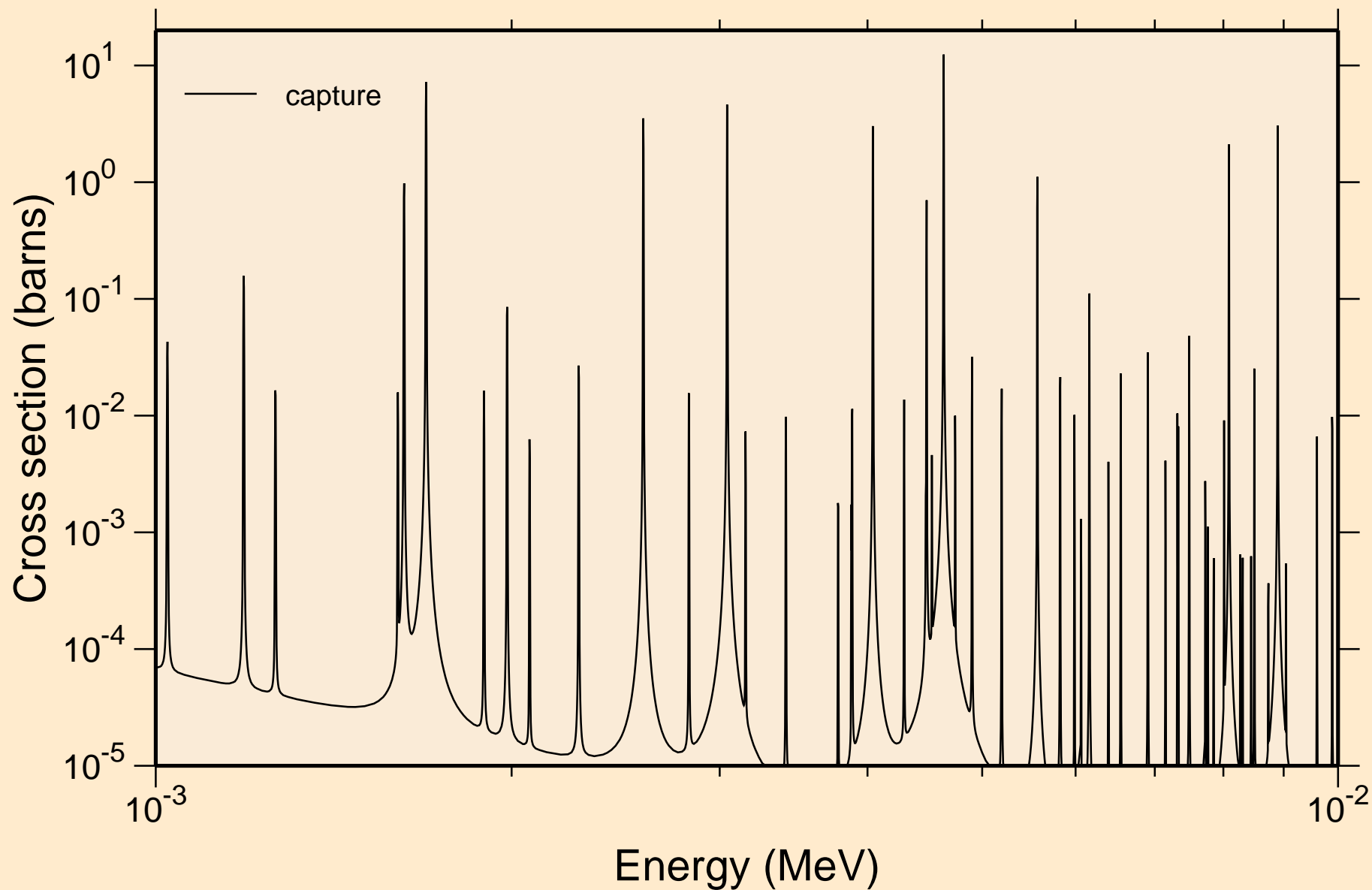
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



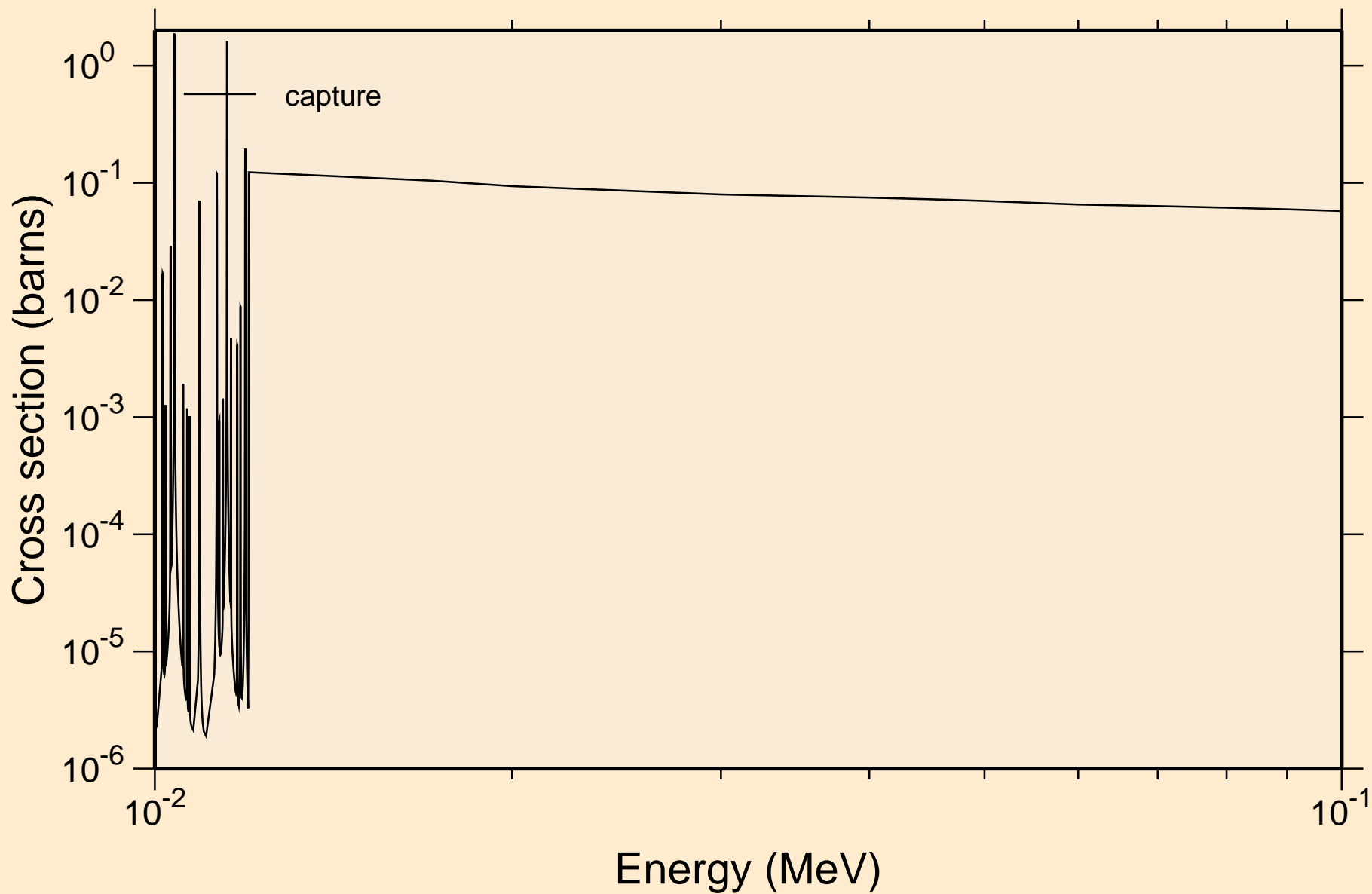
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



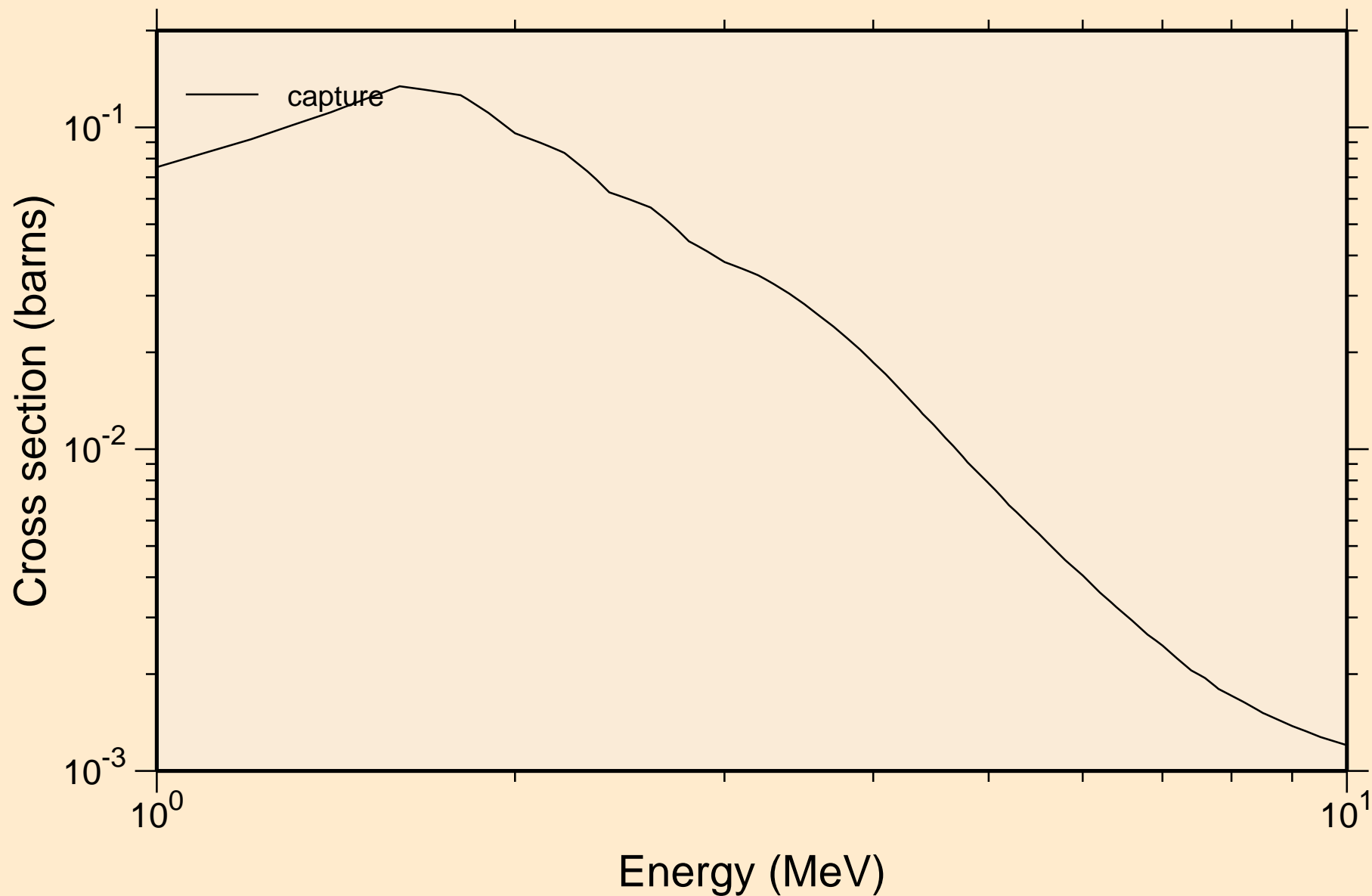
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



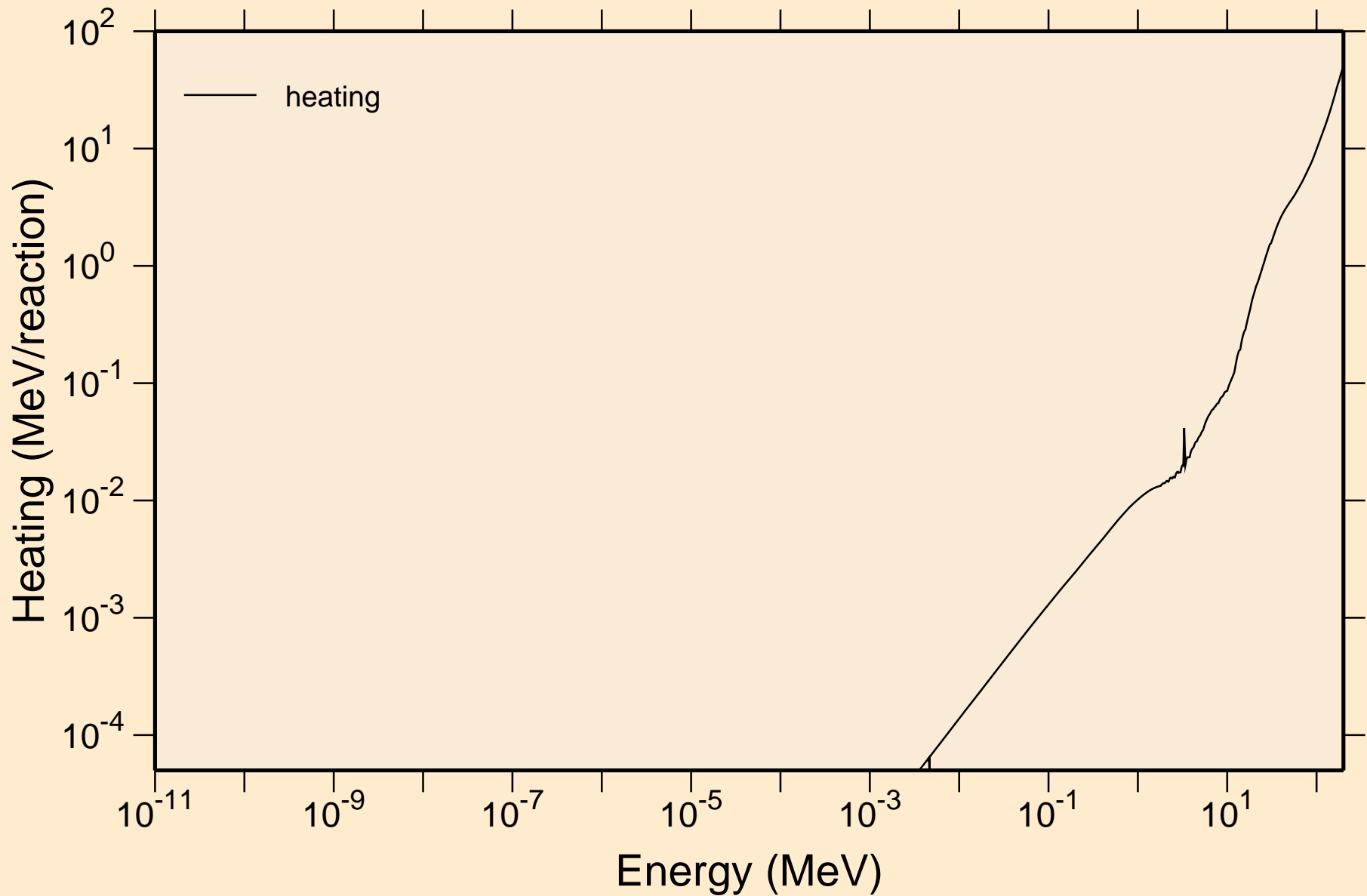
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



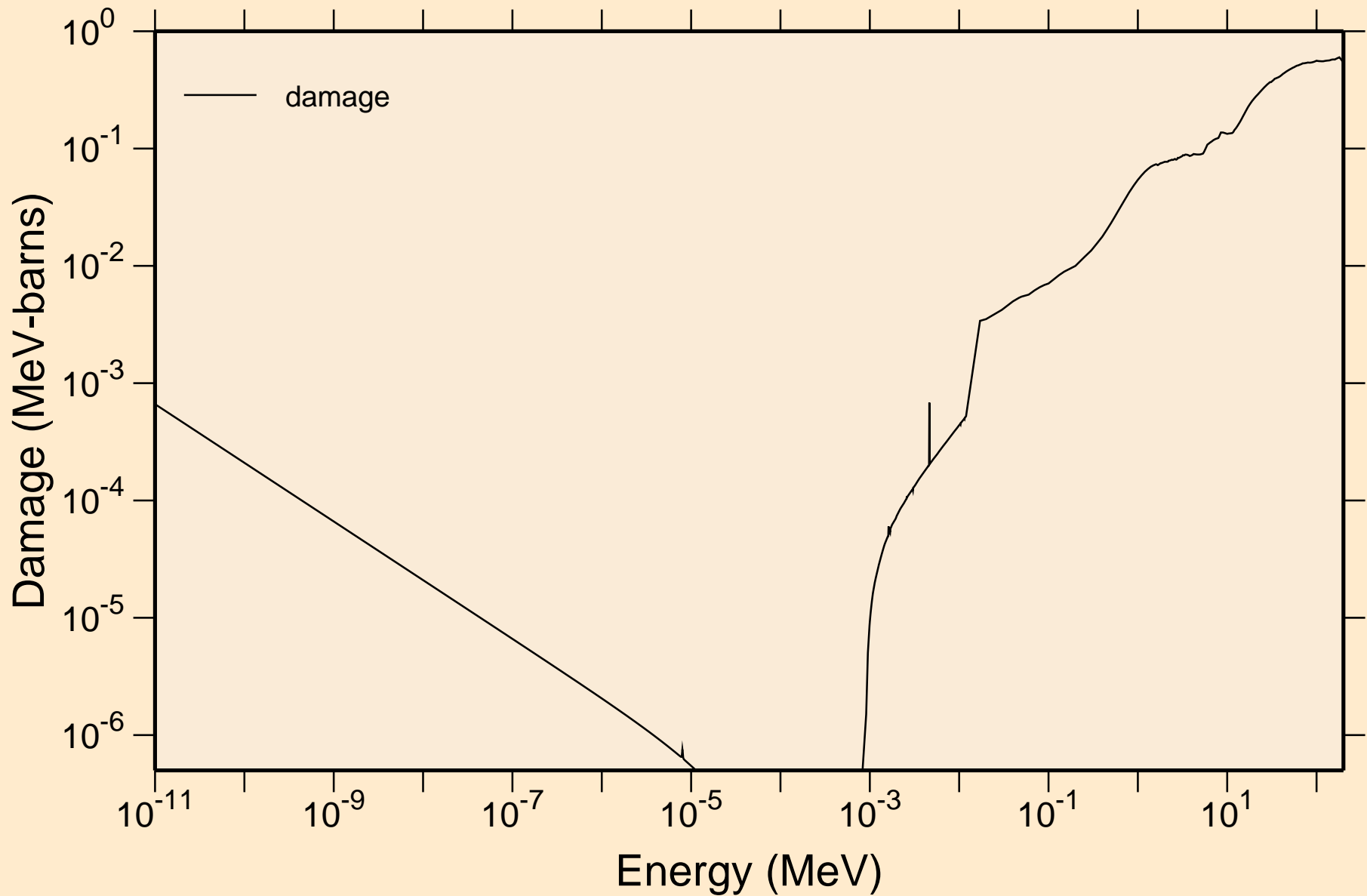
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



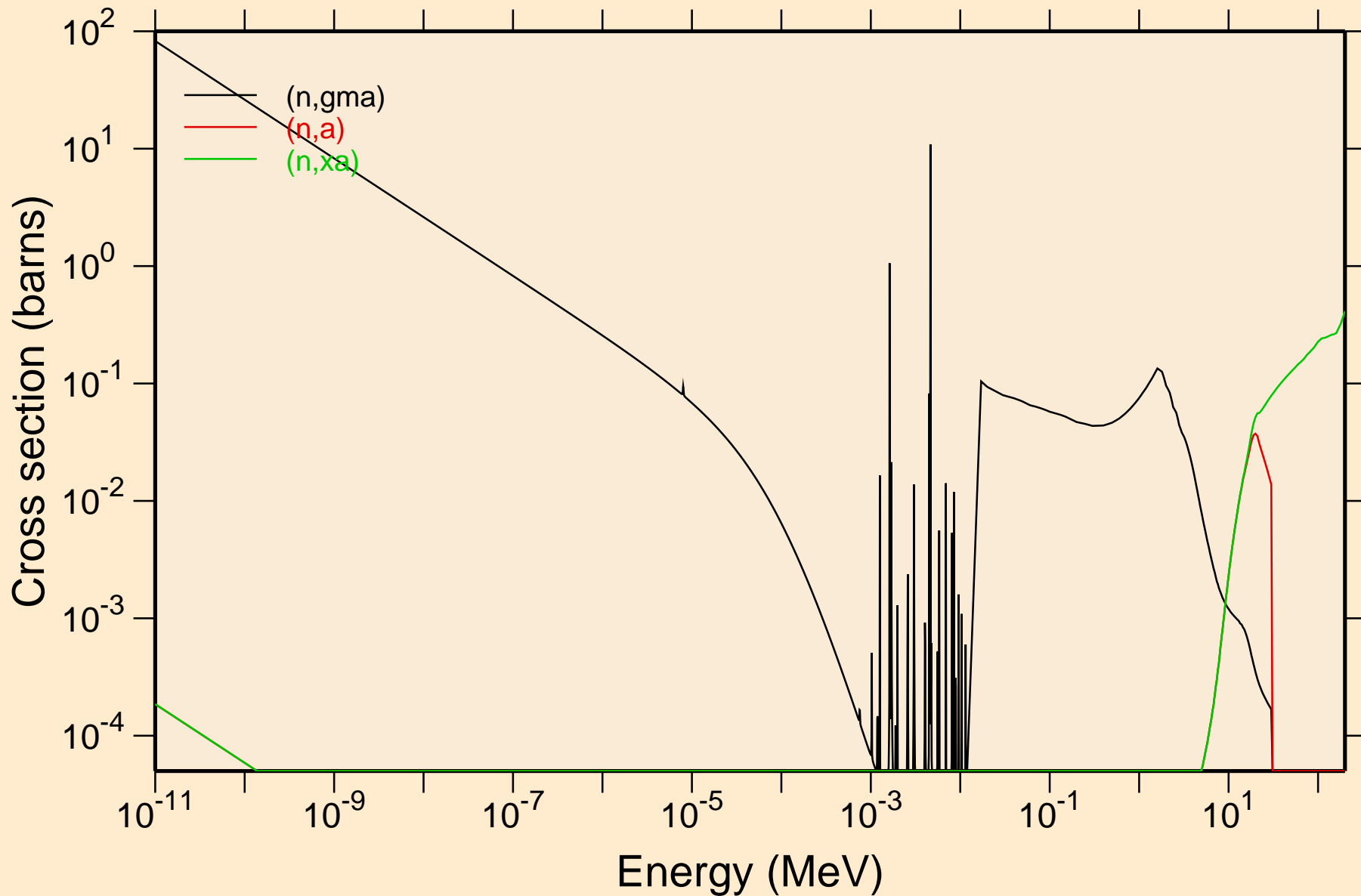
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



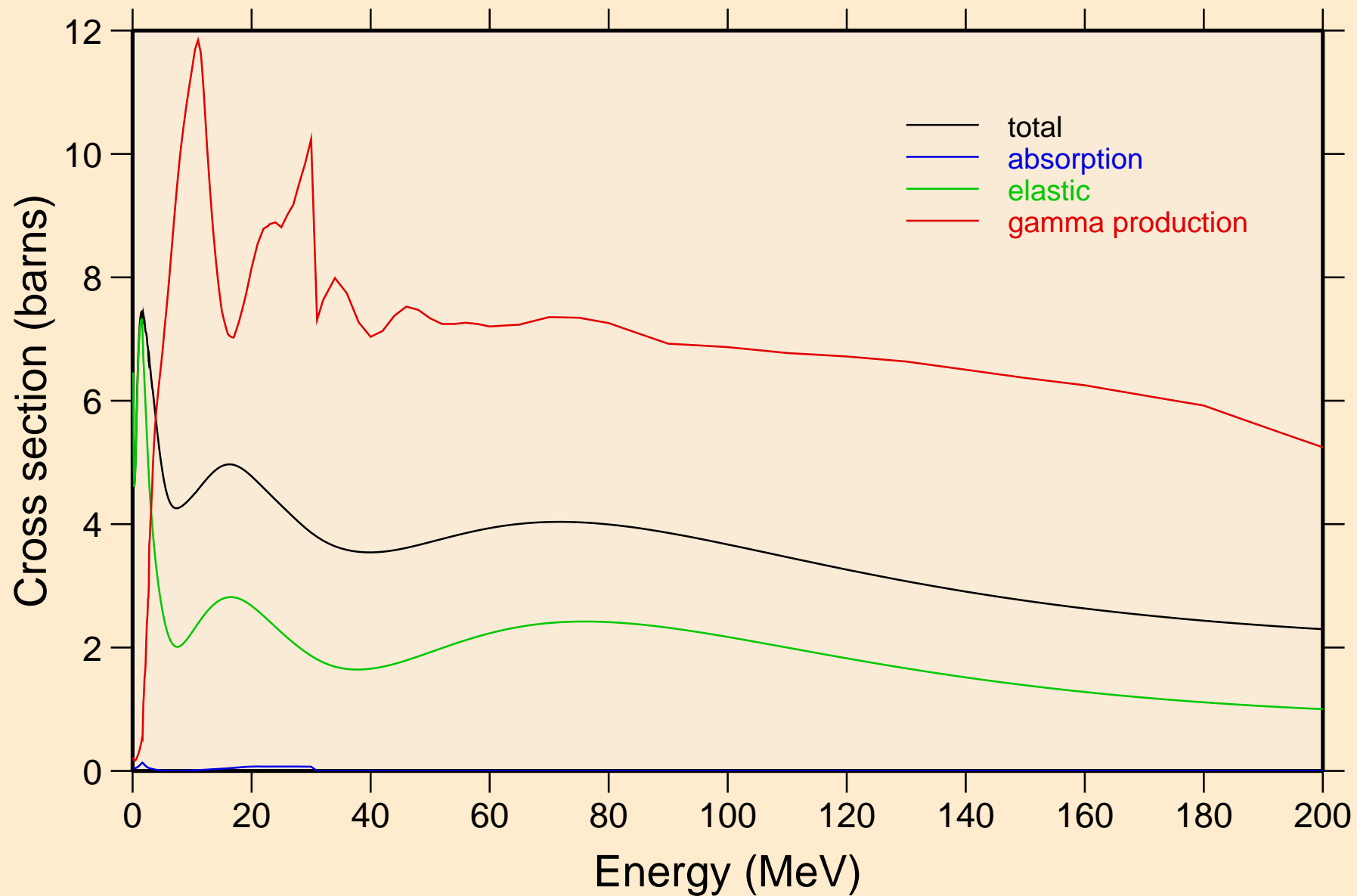
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



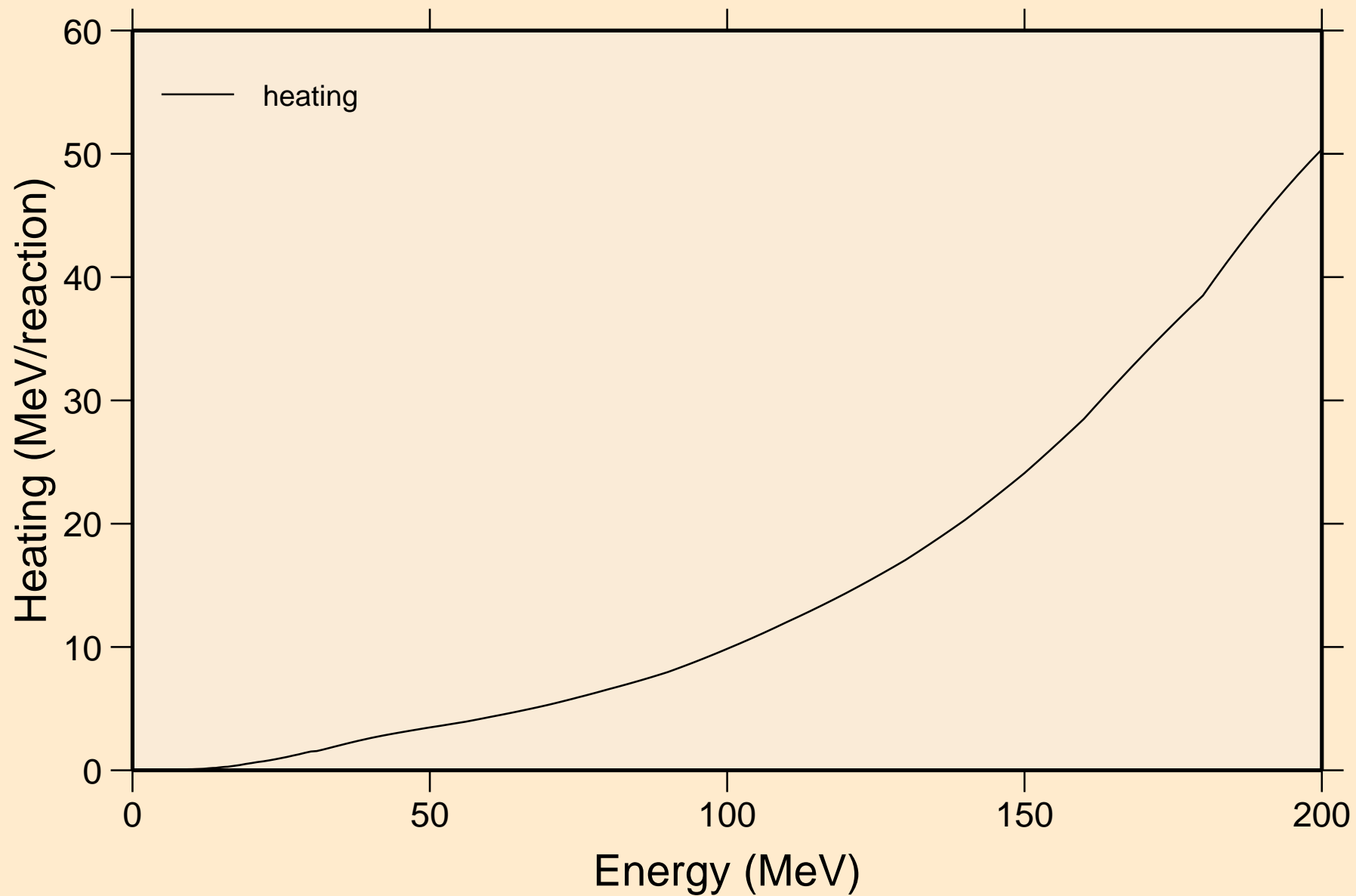
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



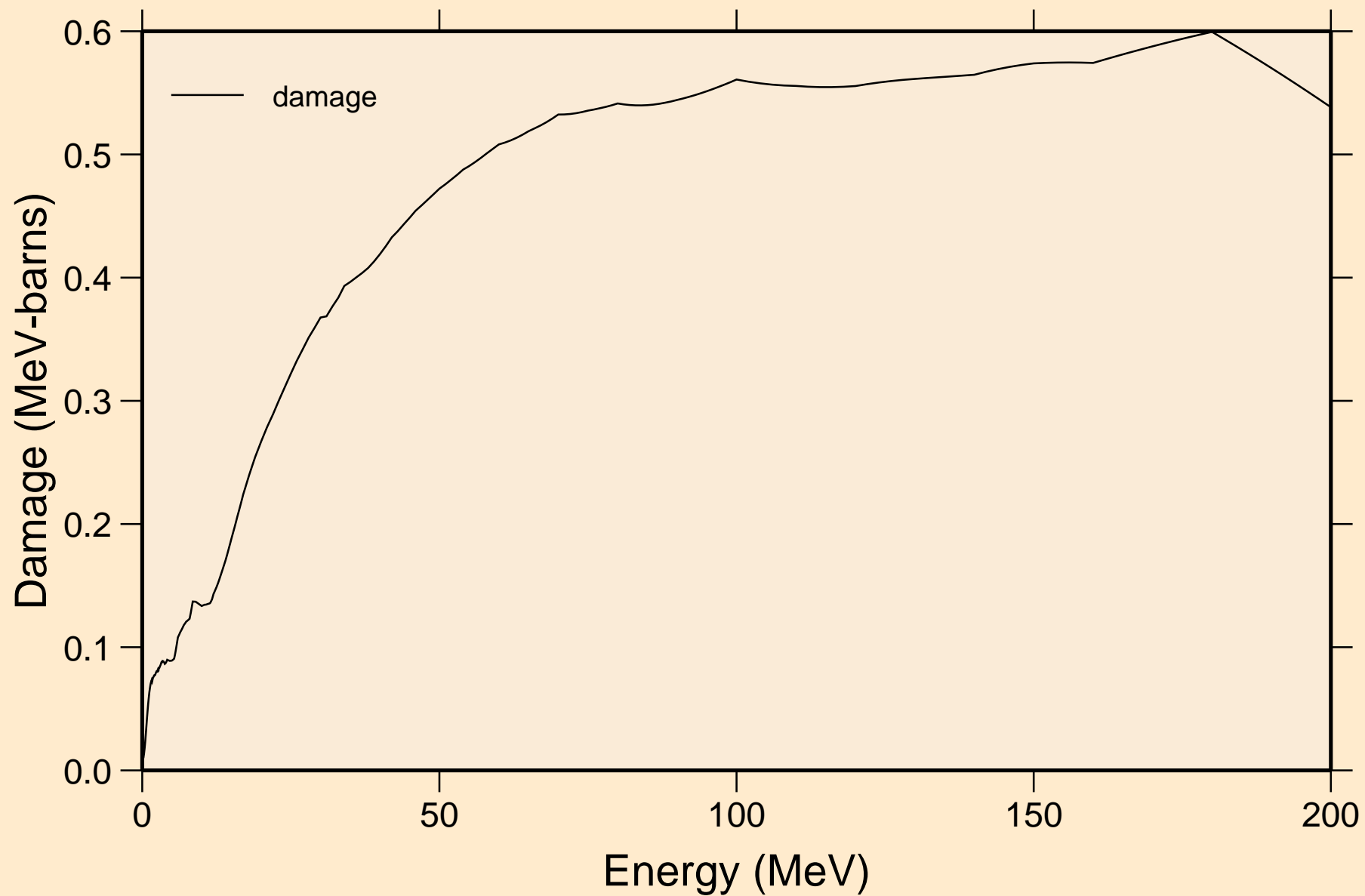
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



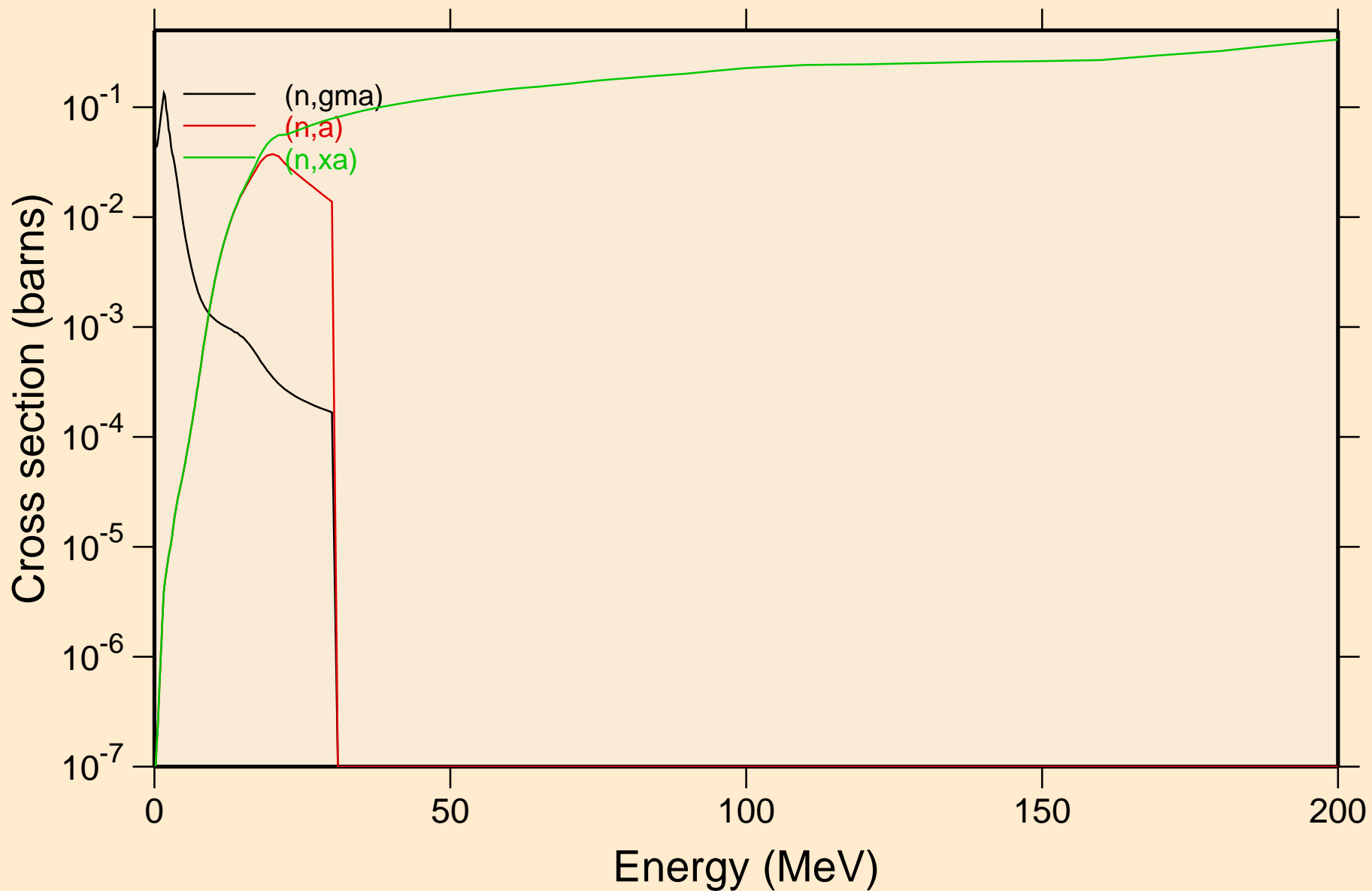
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



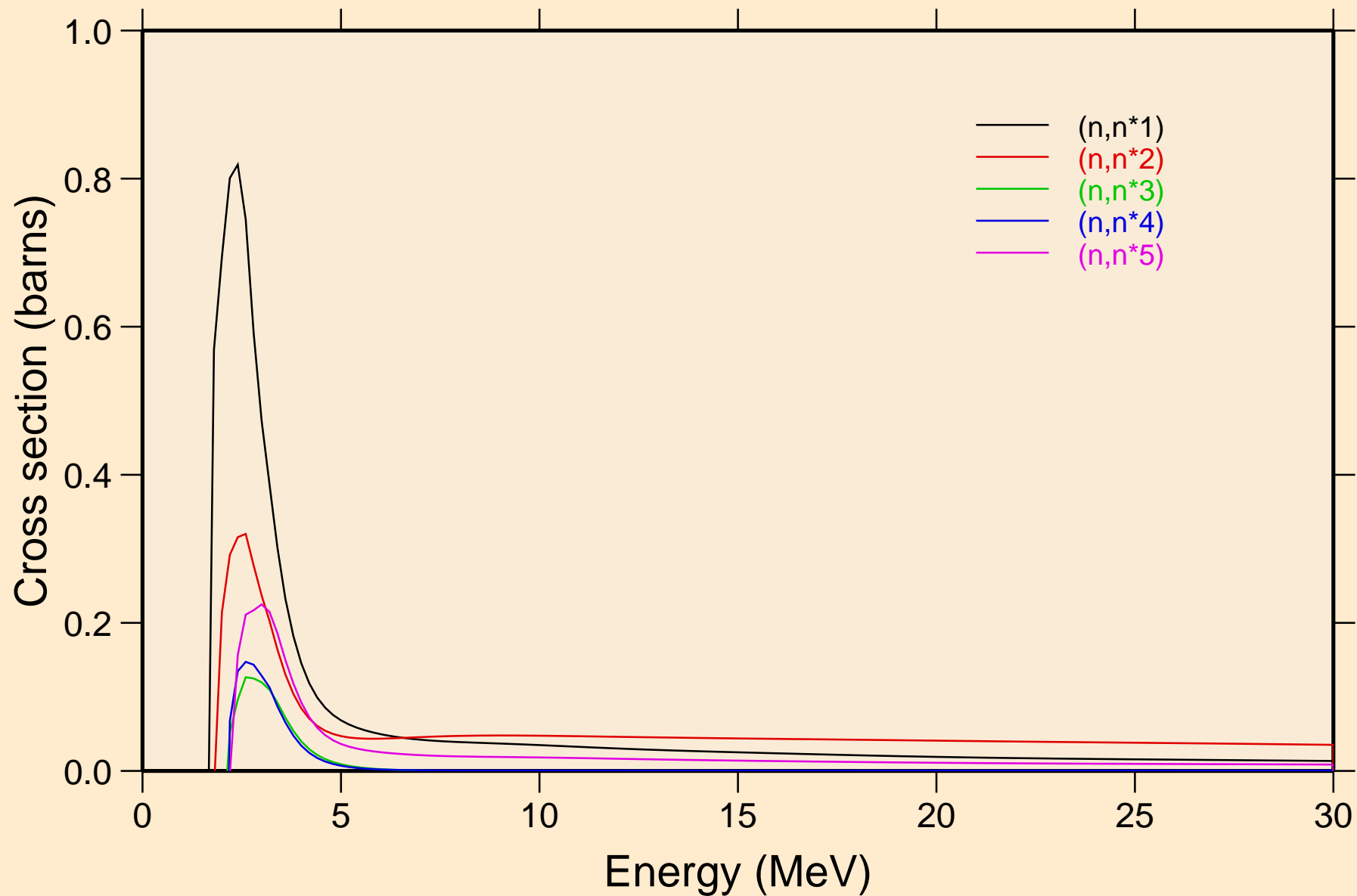
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



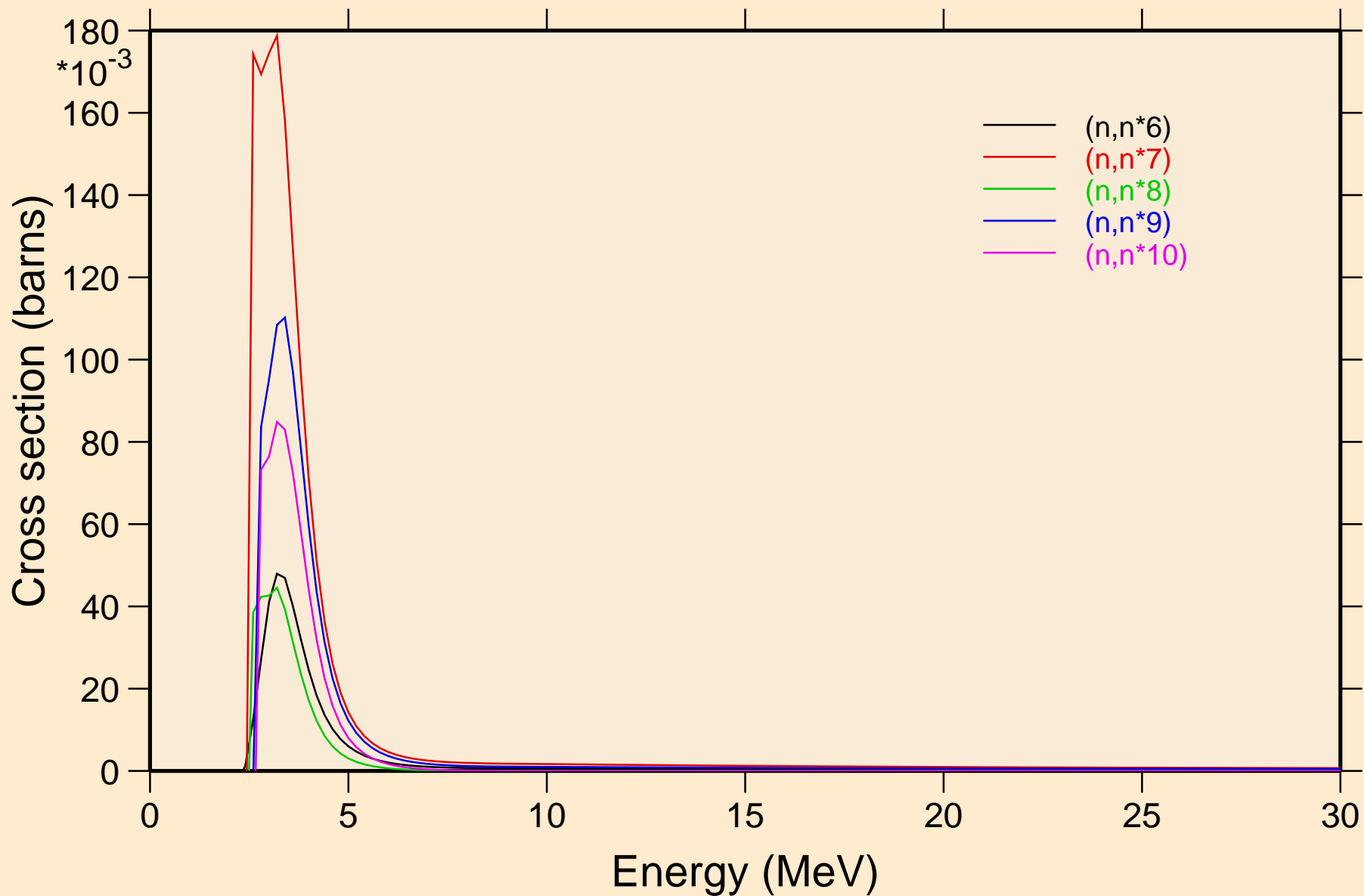
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



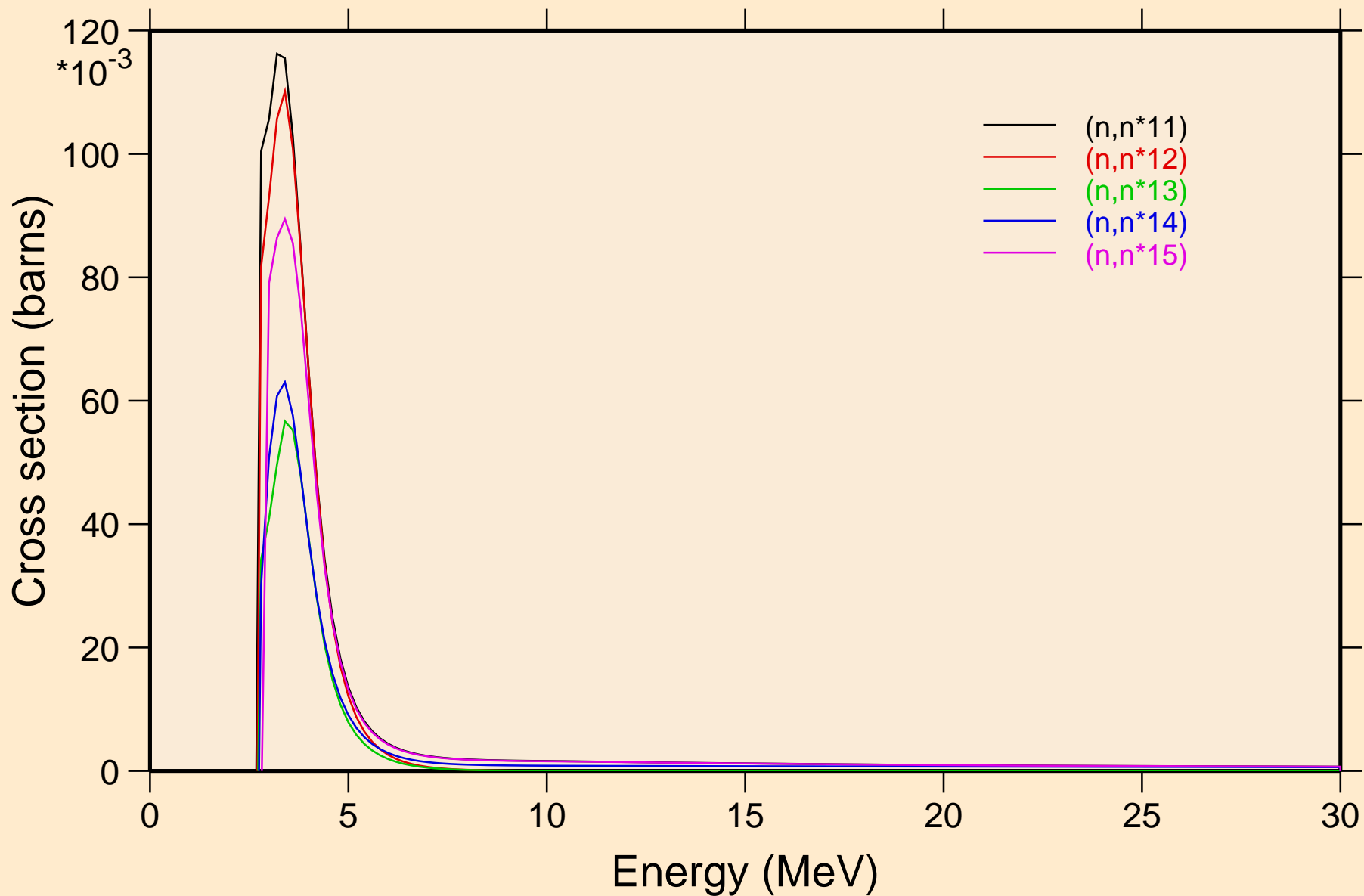
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



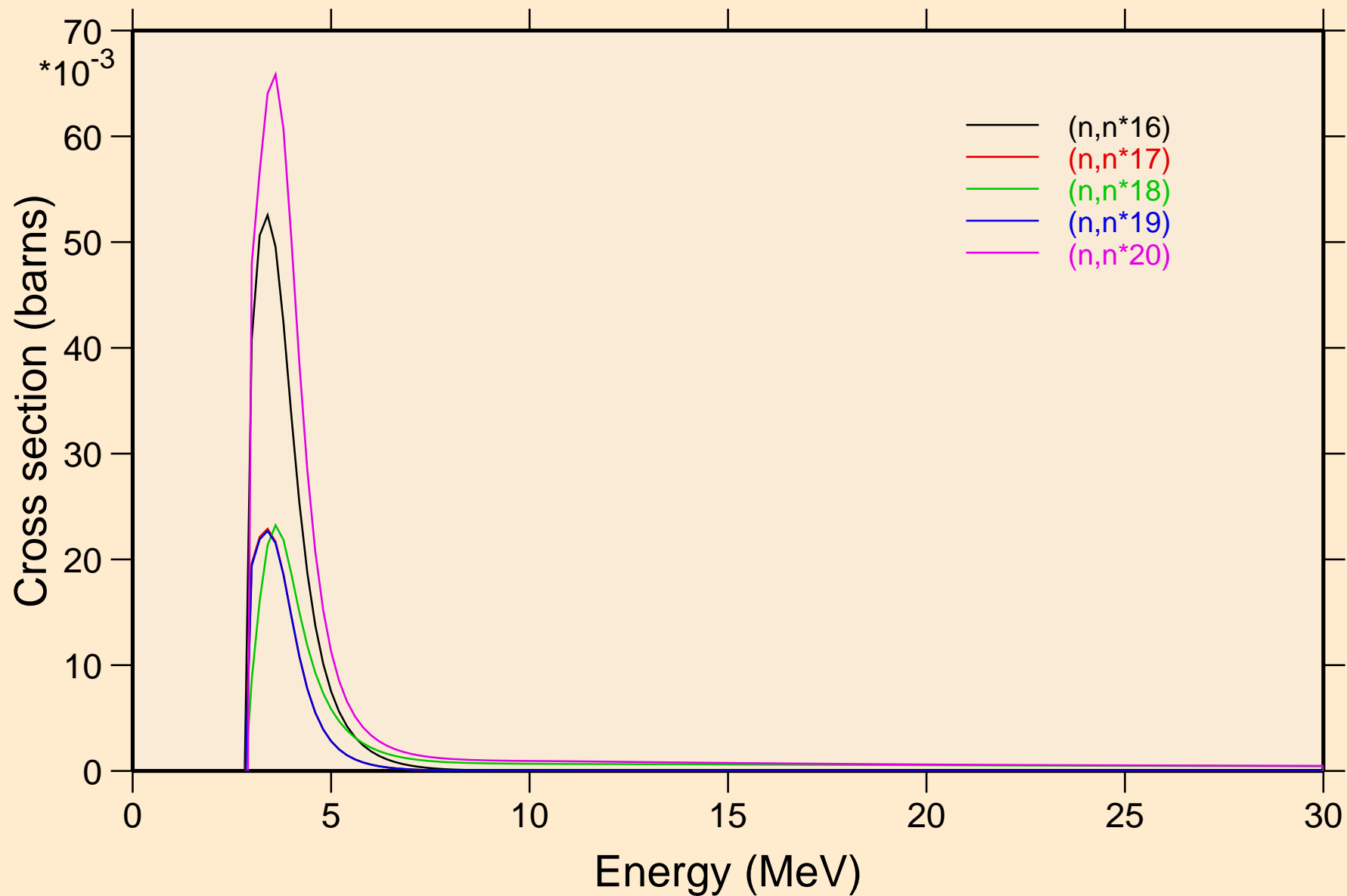
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



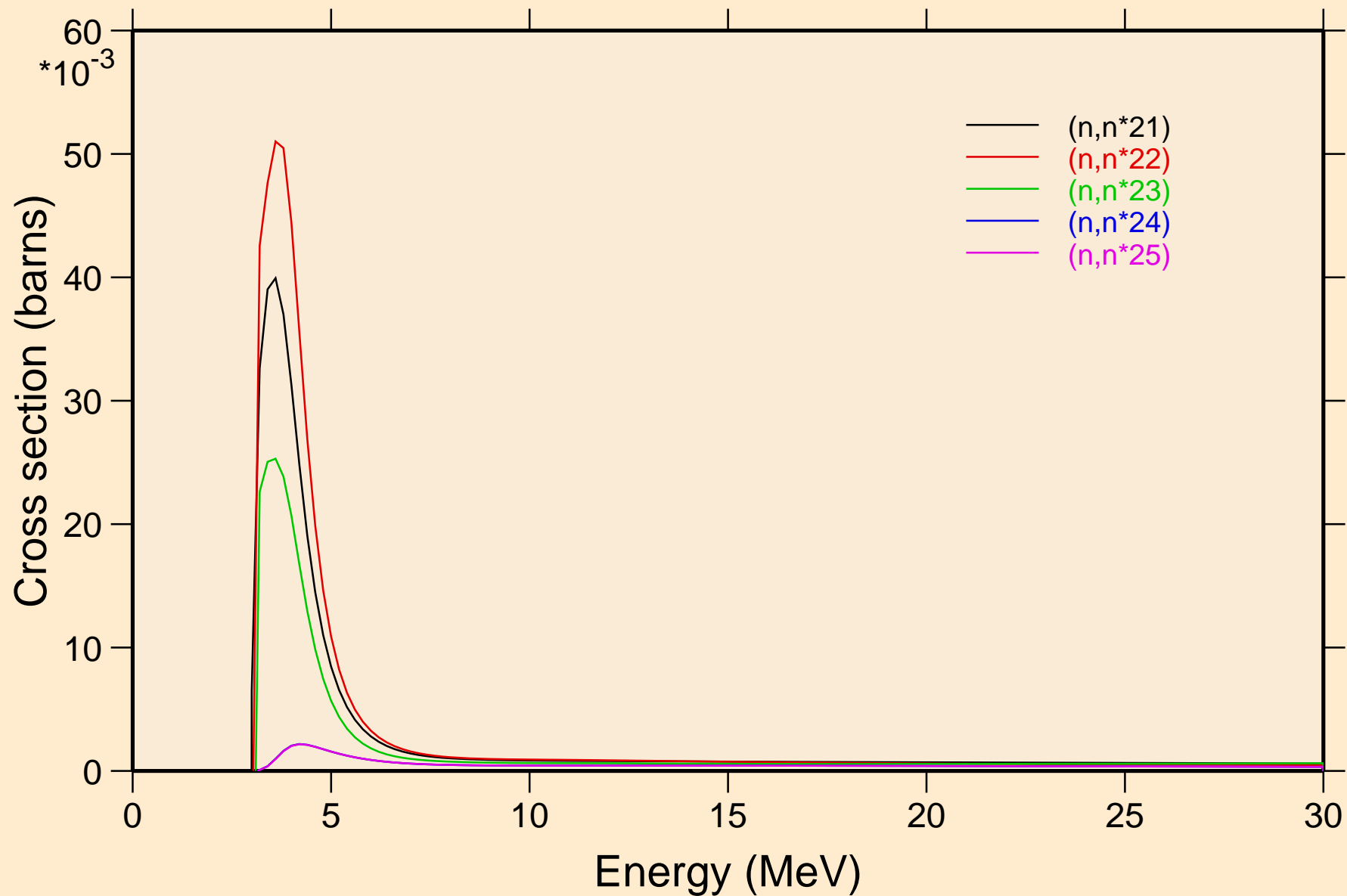
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



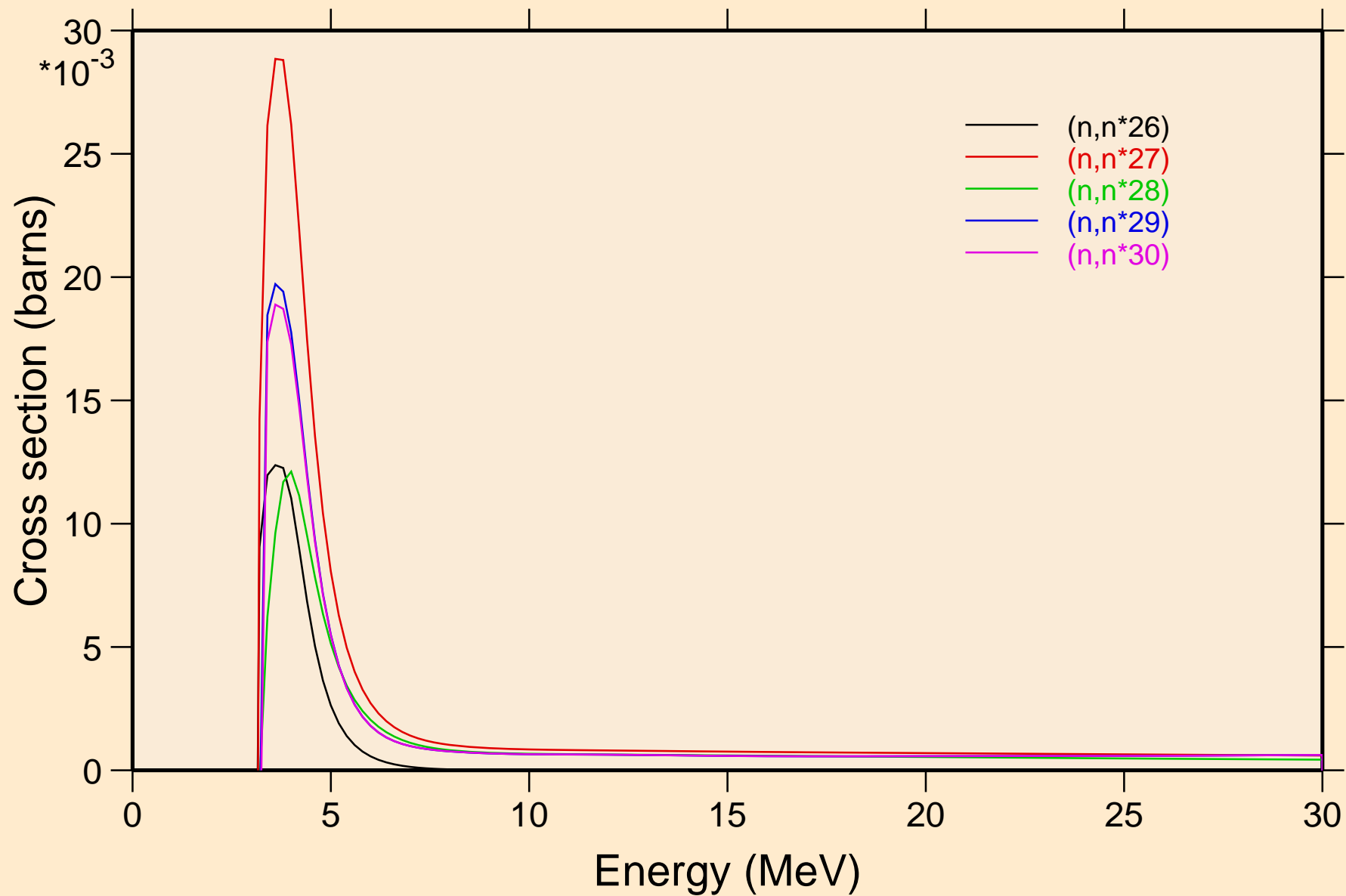
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

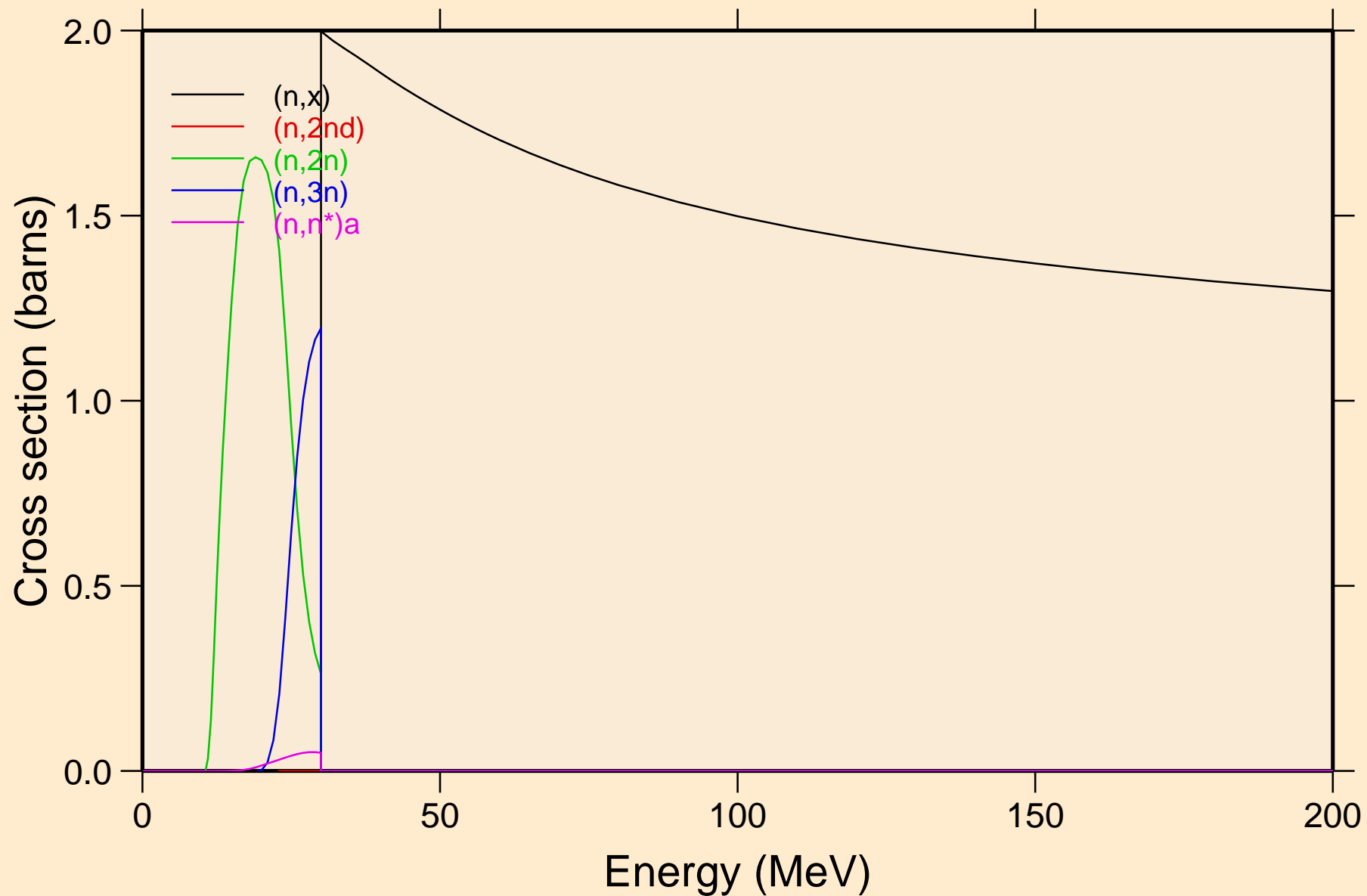


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

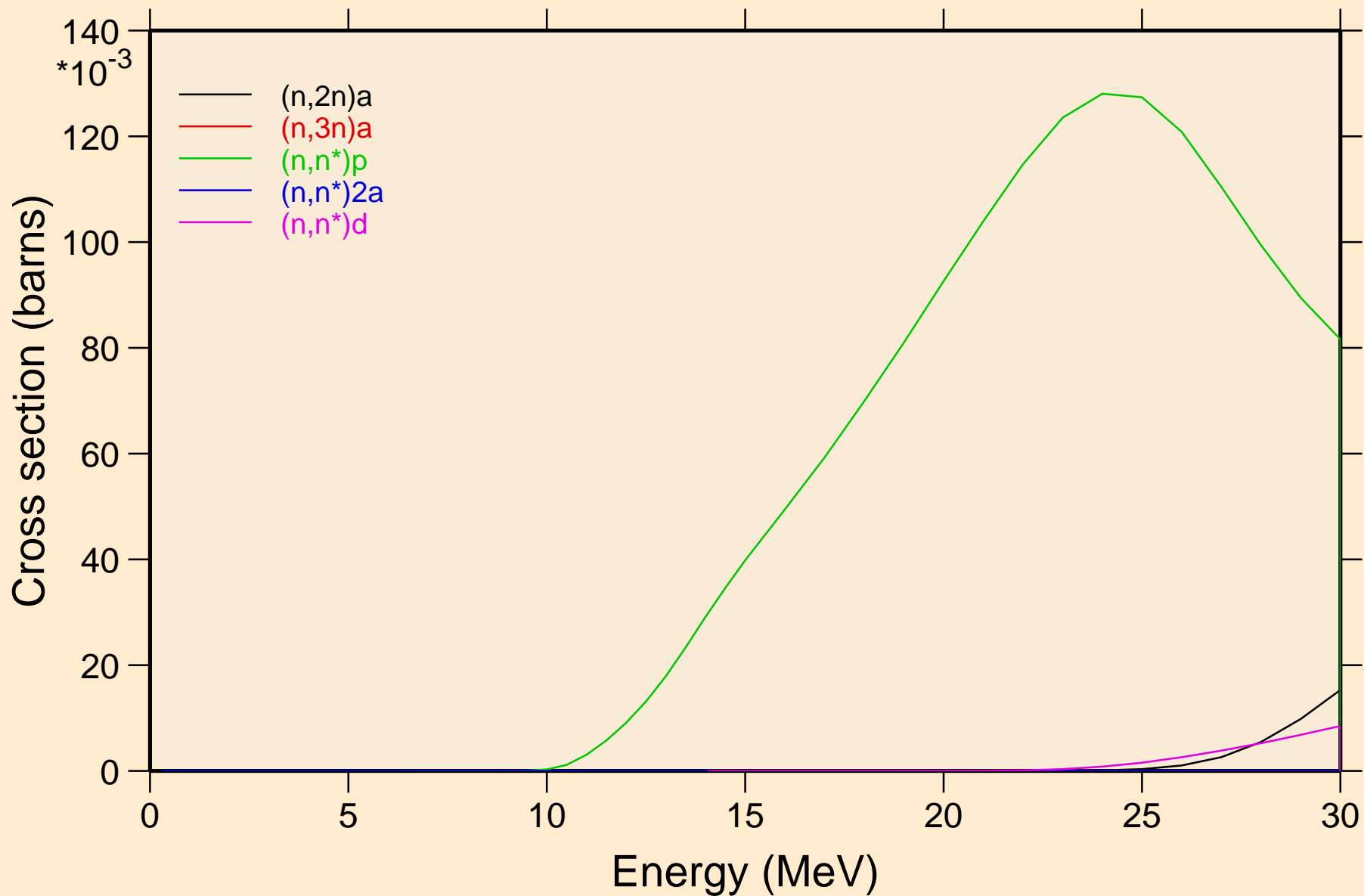


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

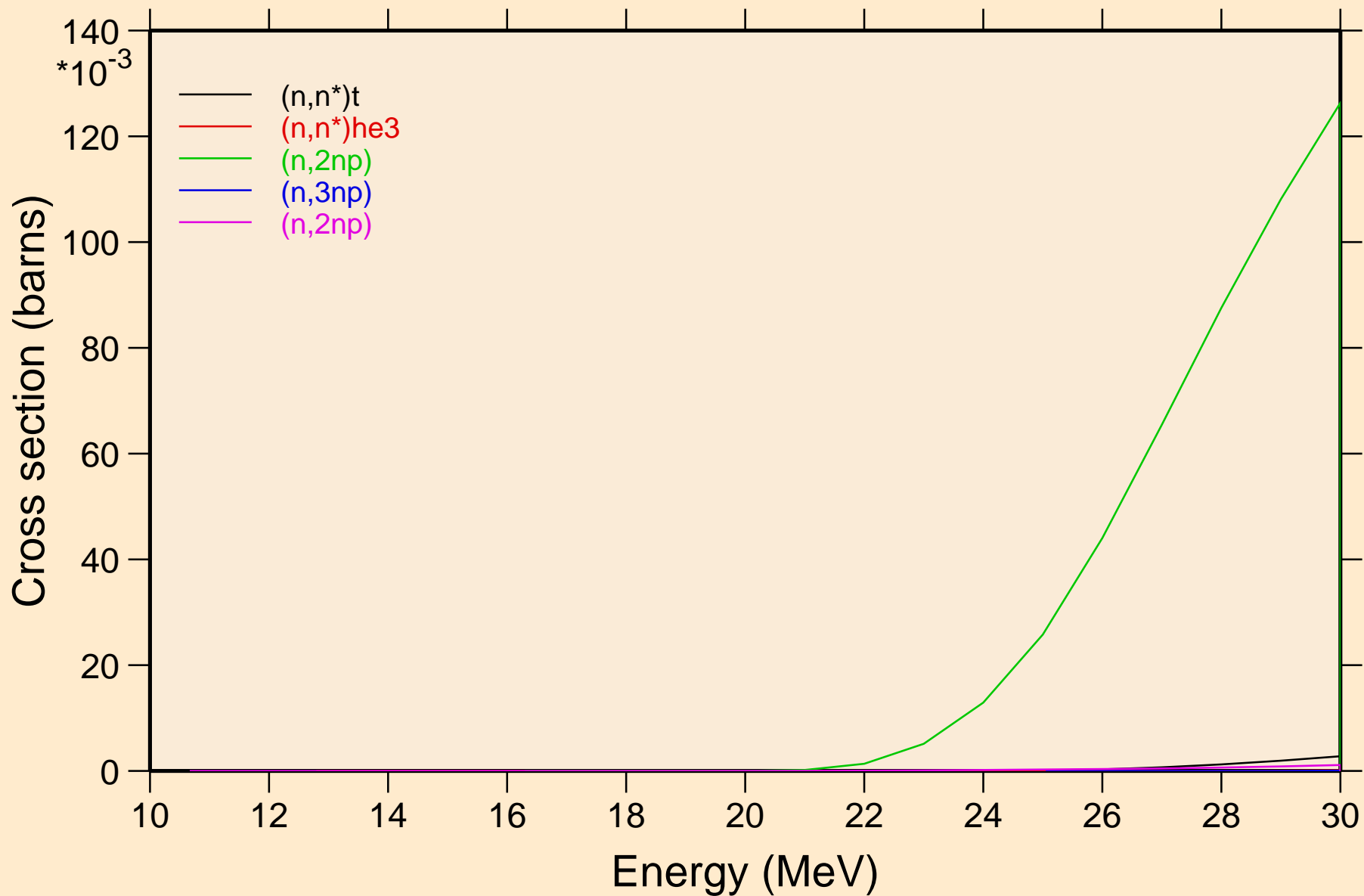
Threshold reactions



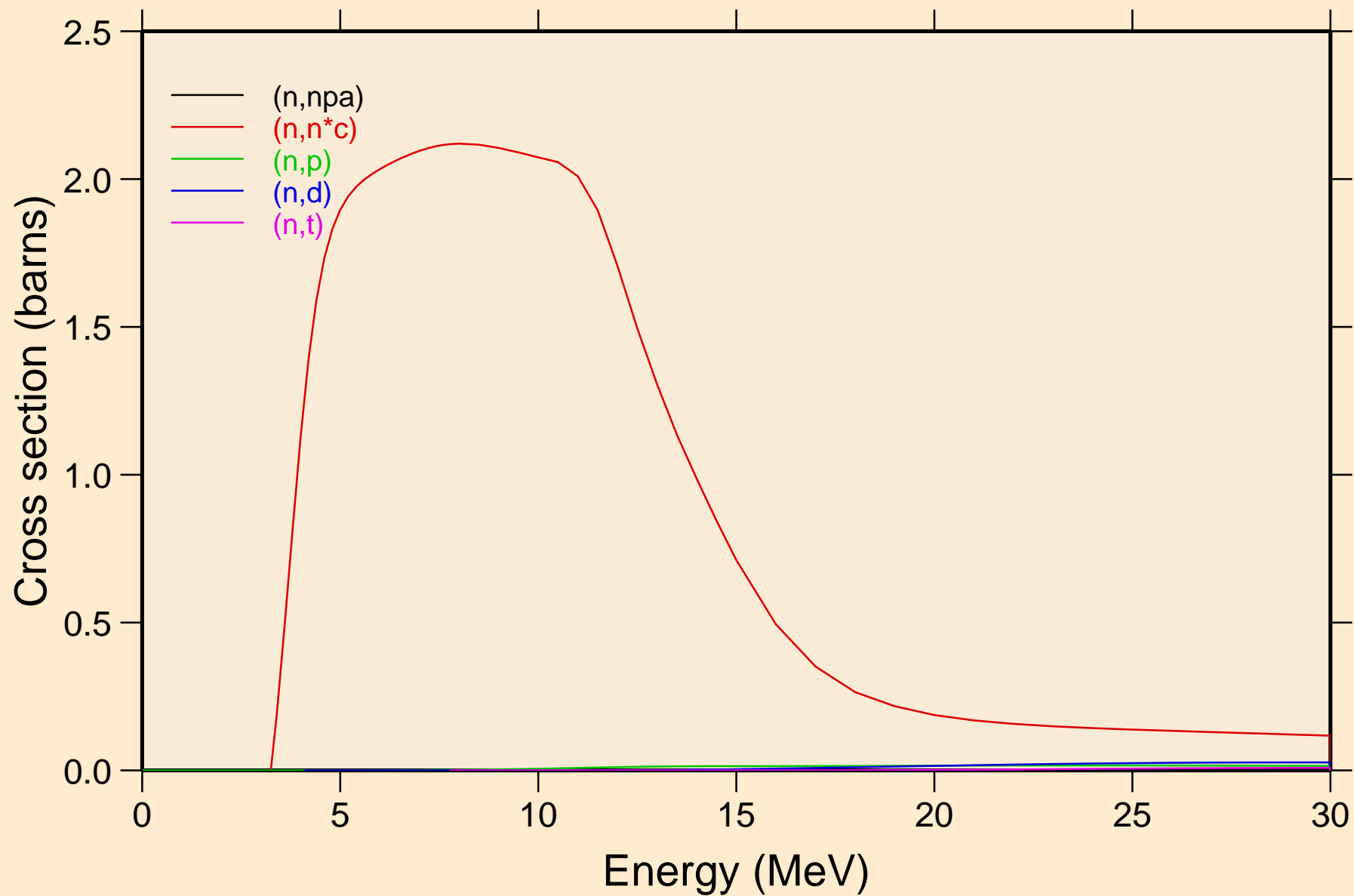
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

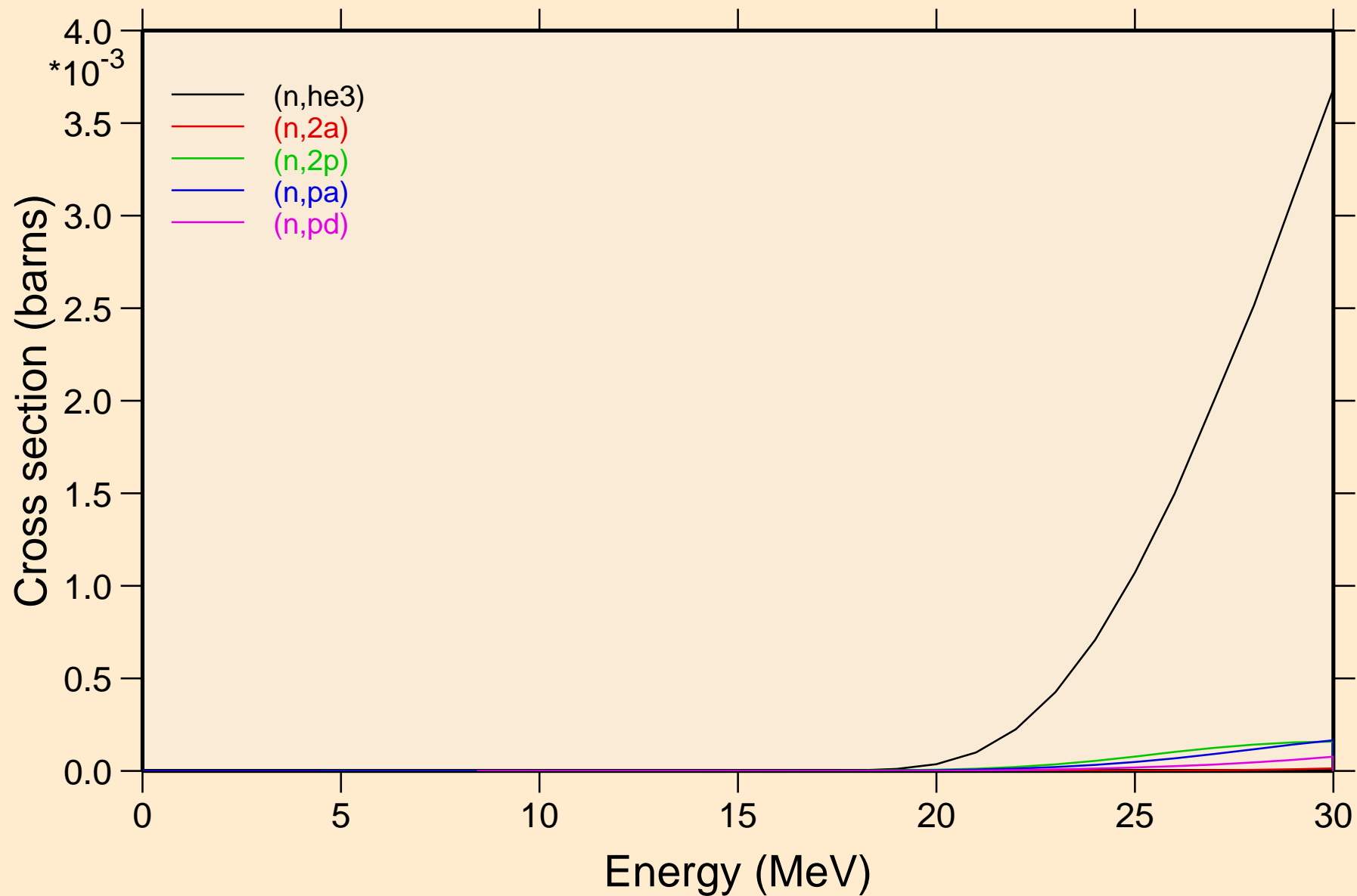


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

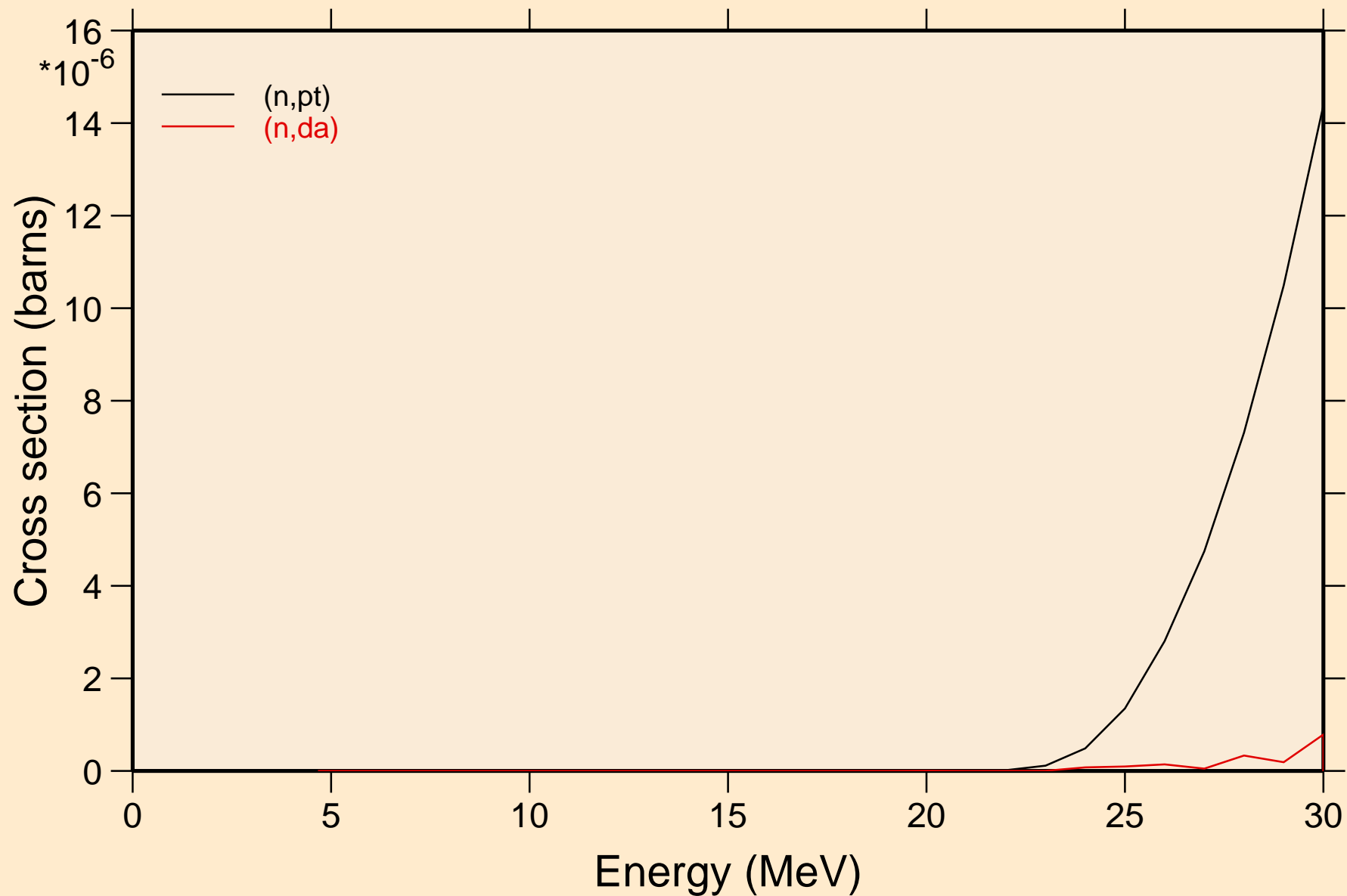


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

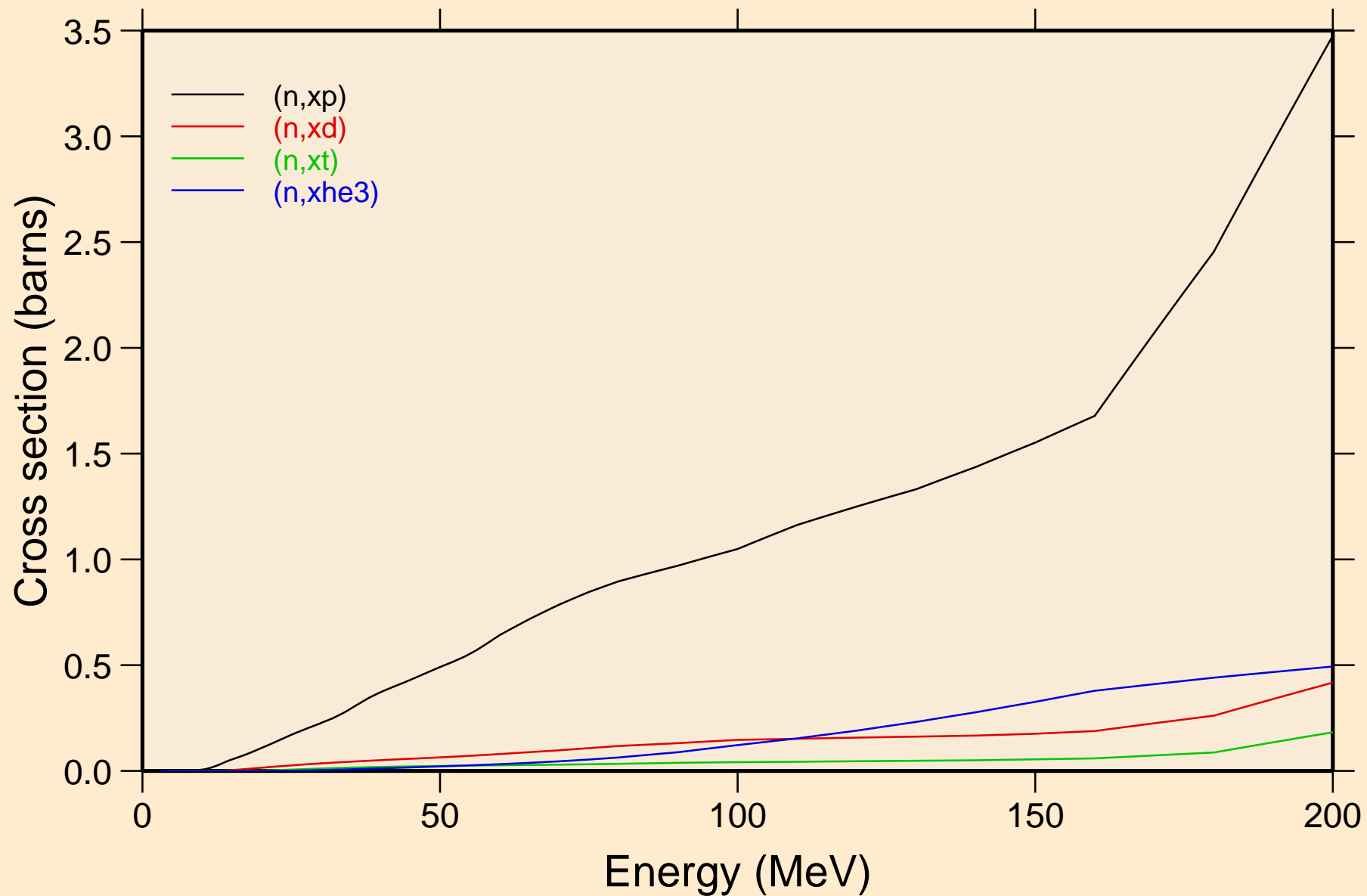
Threshold reactions



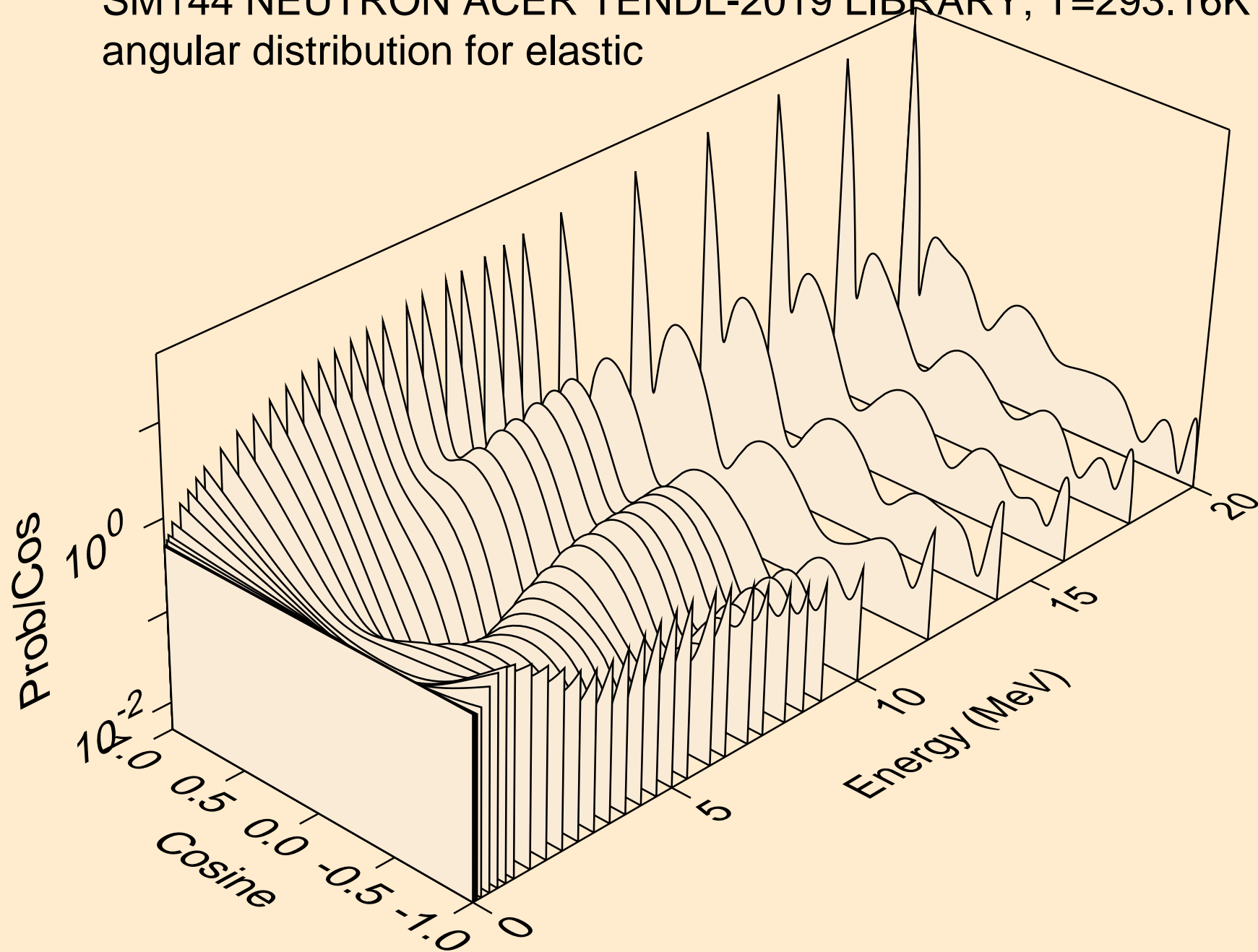
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



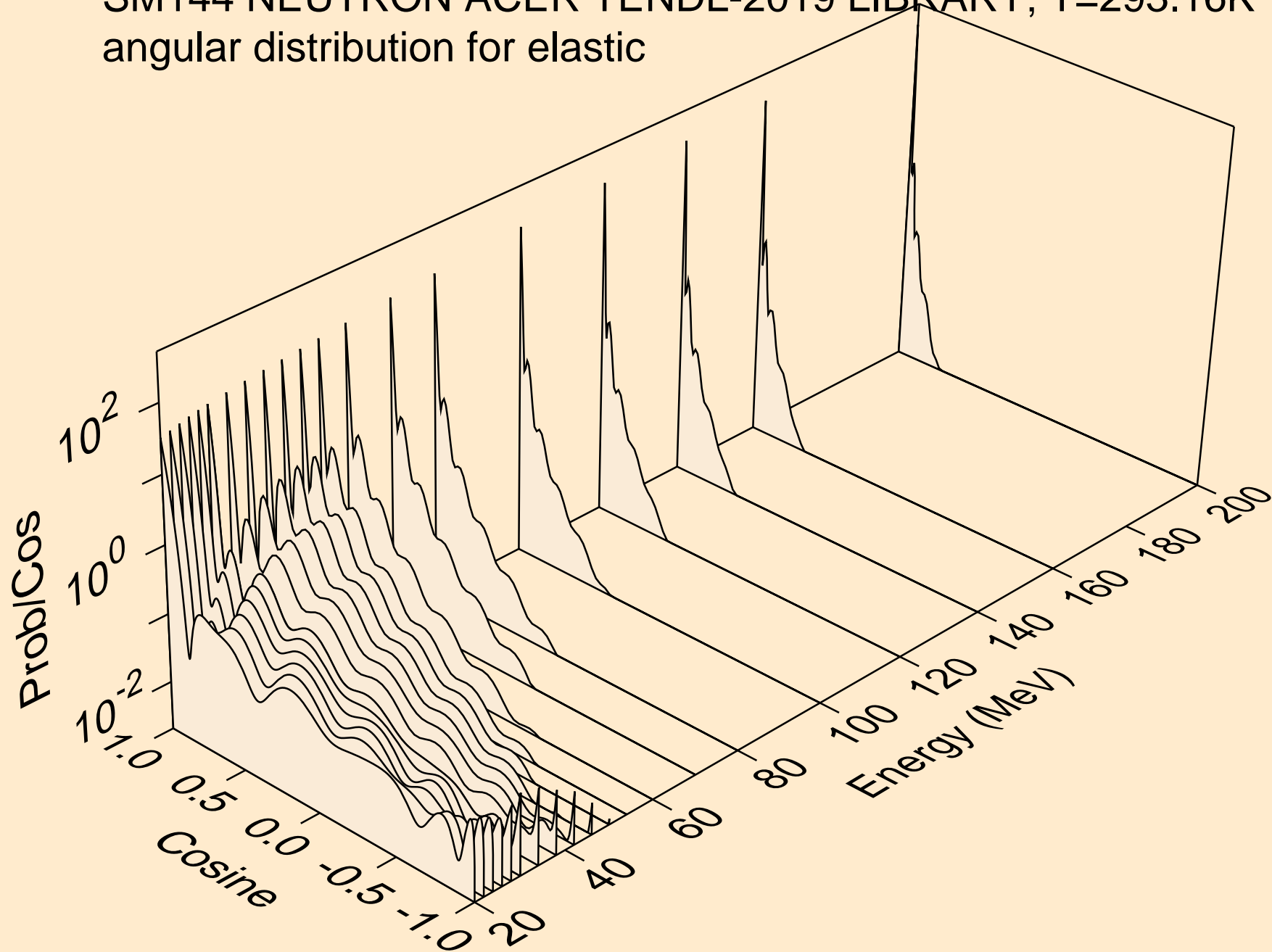
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



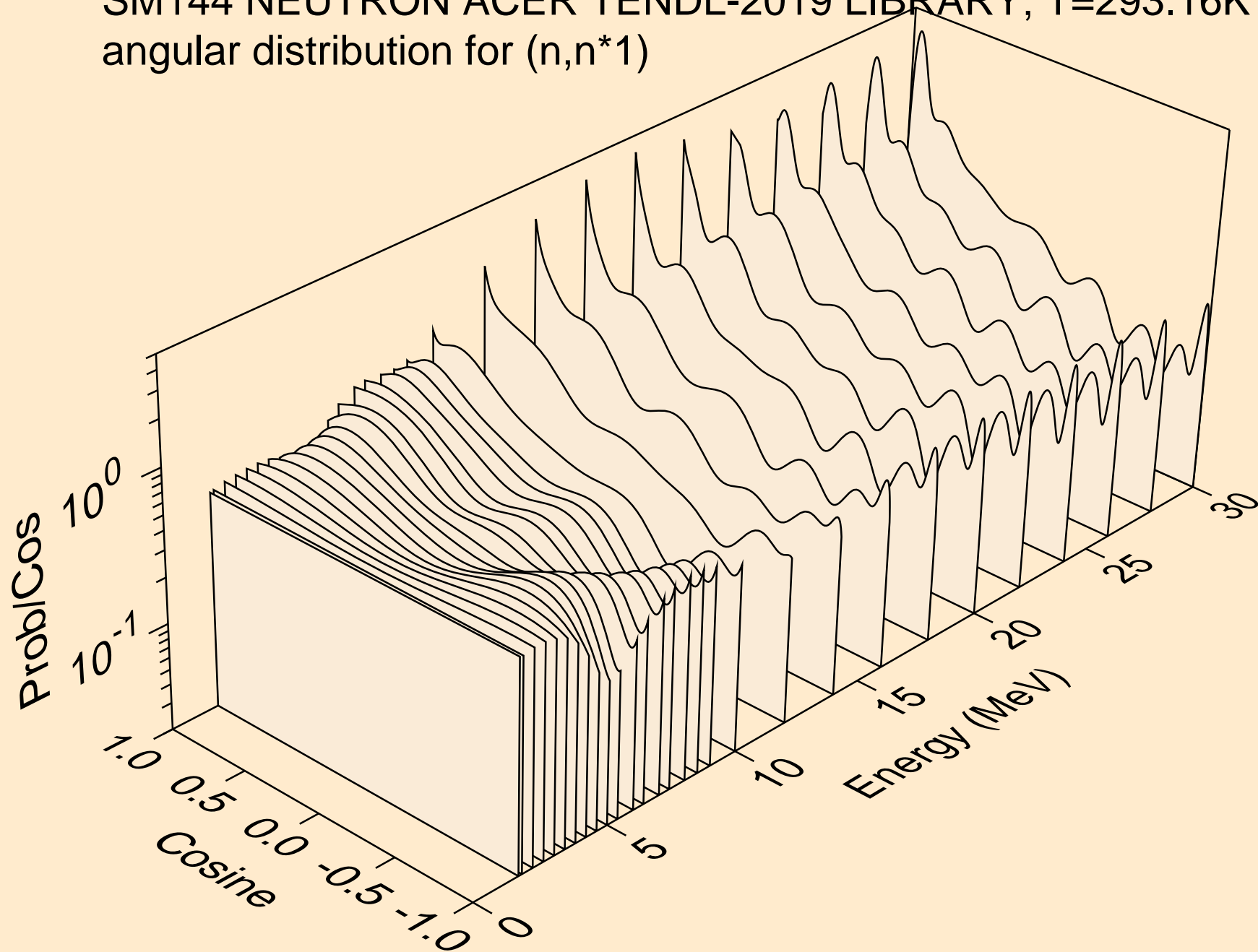
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



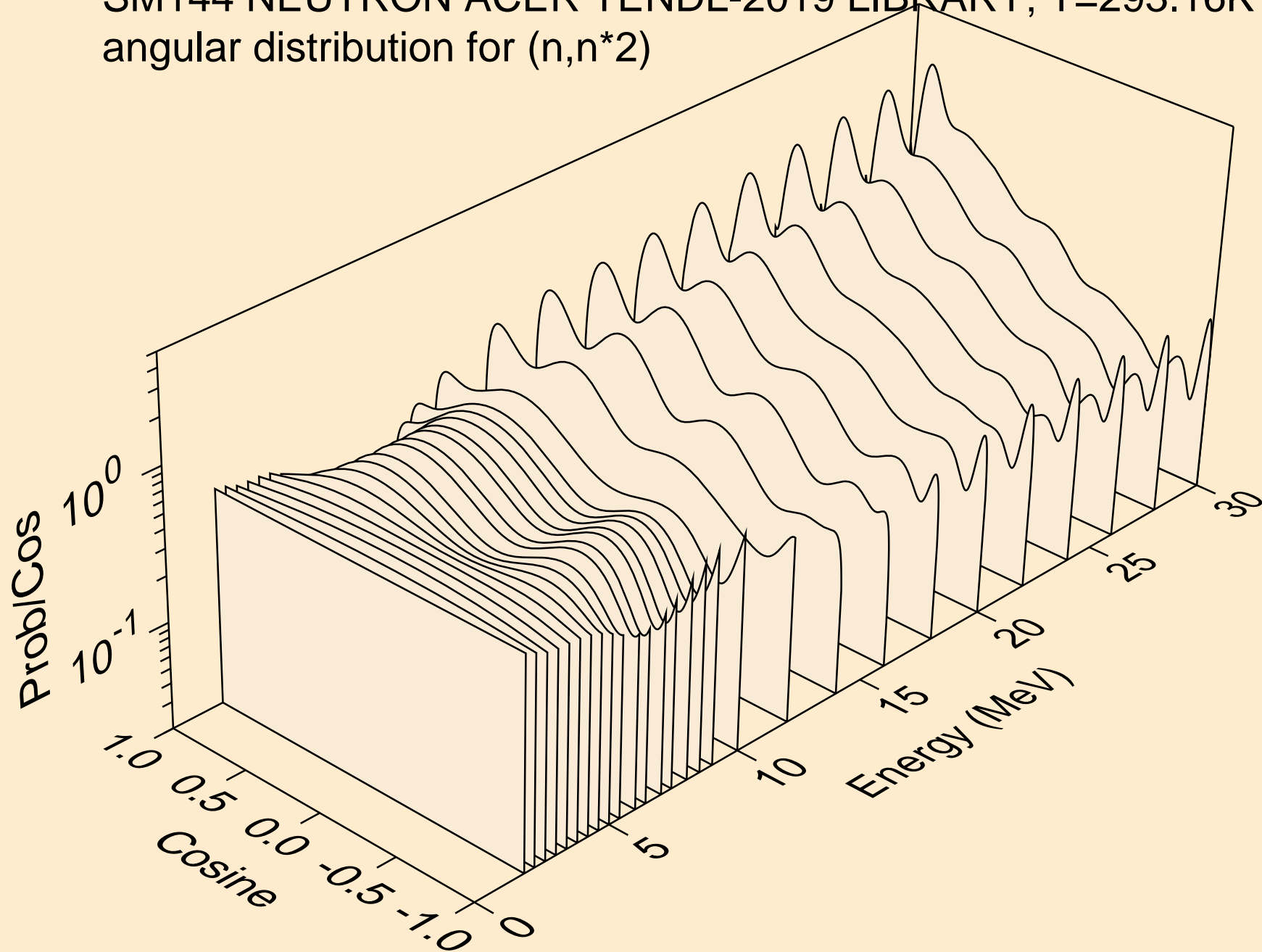
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



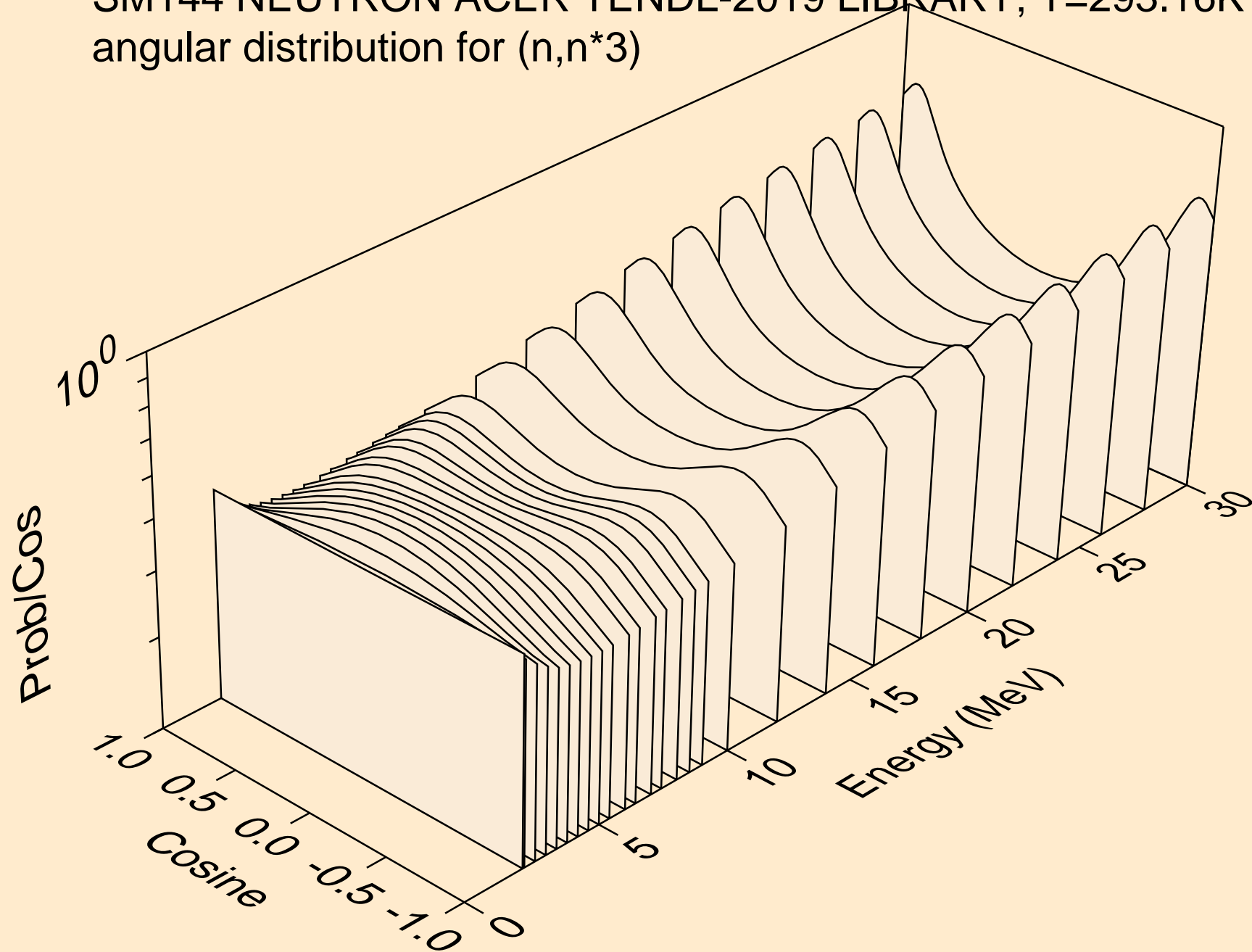
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



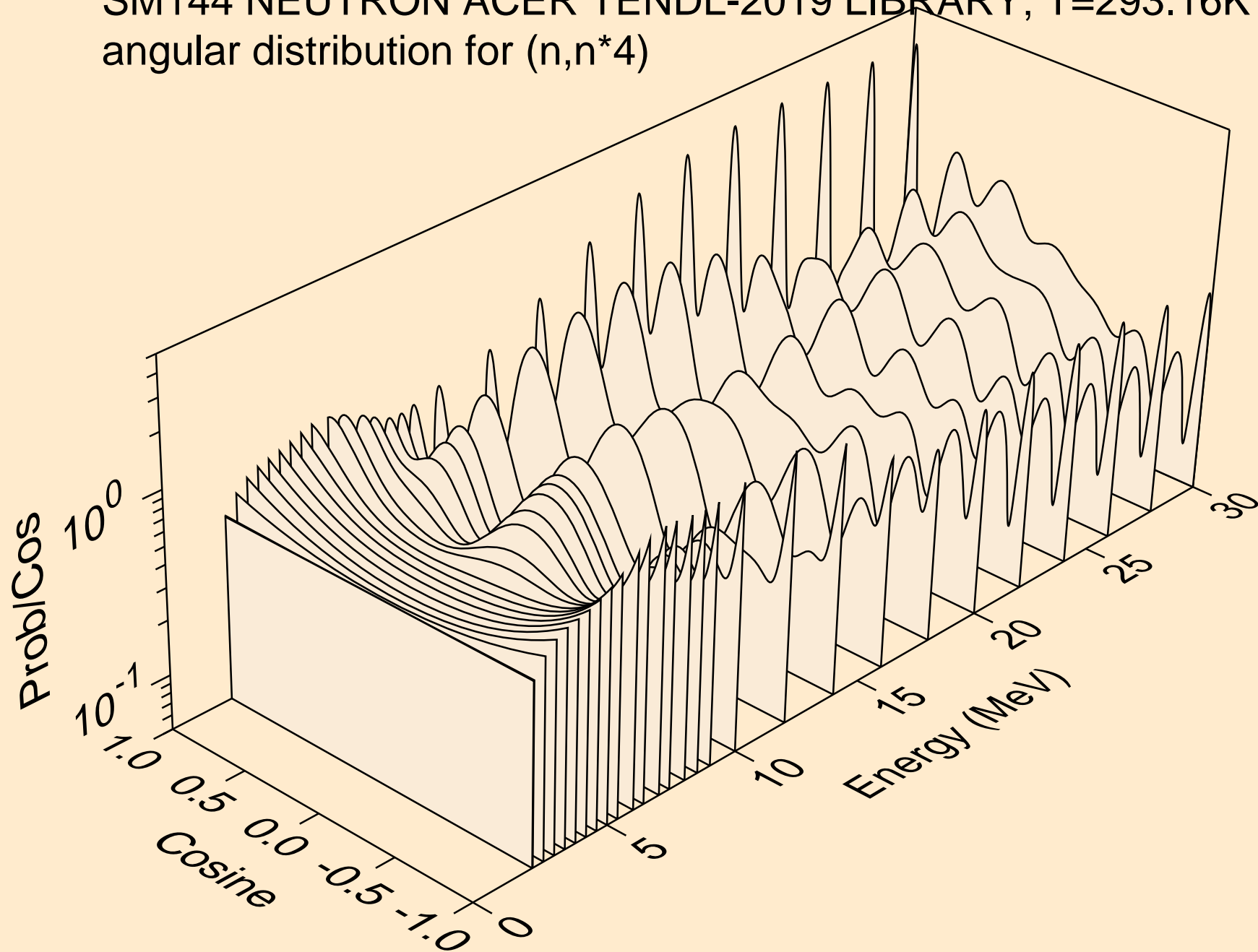
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



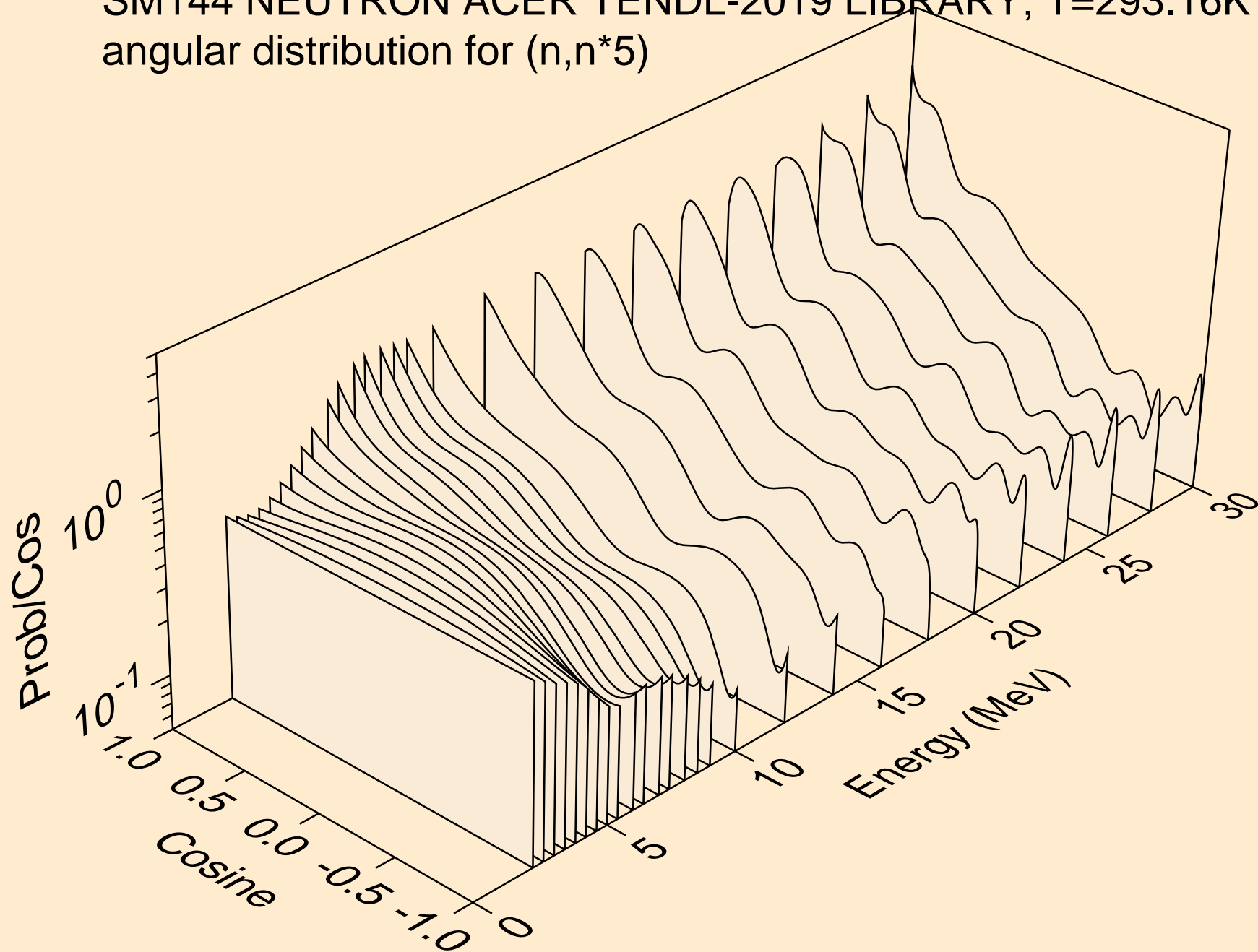
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



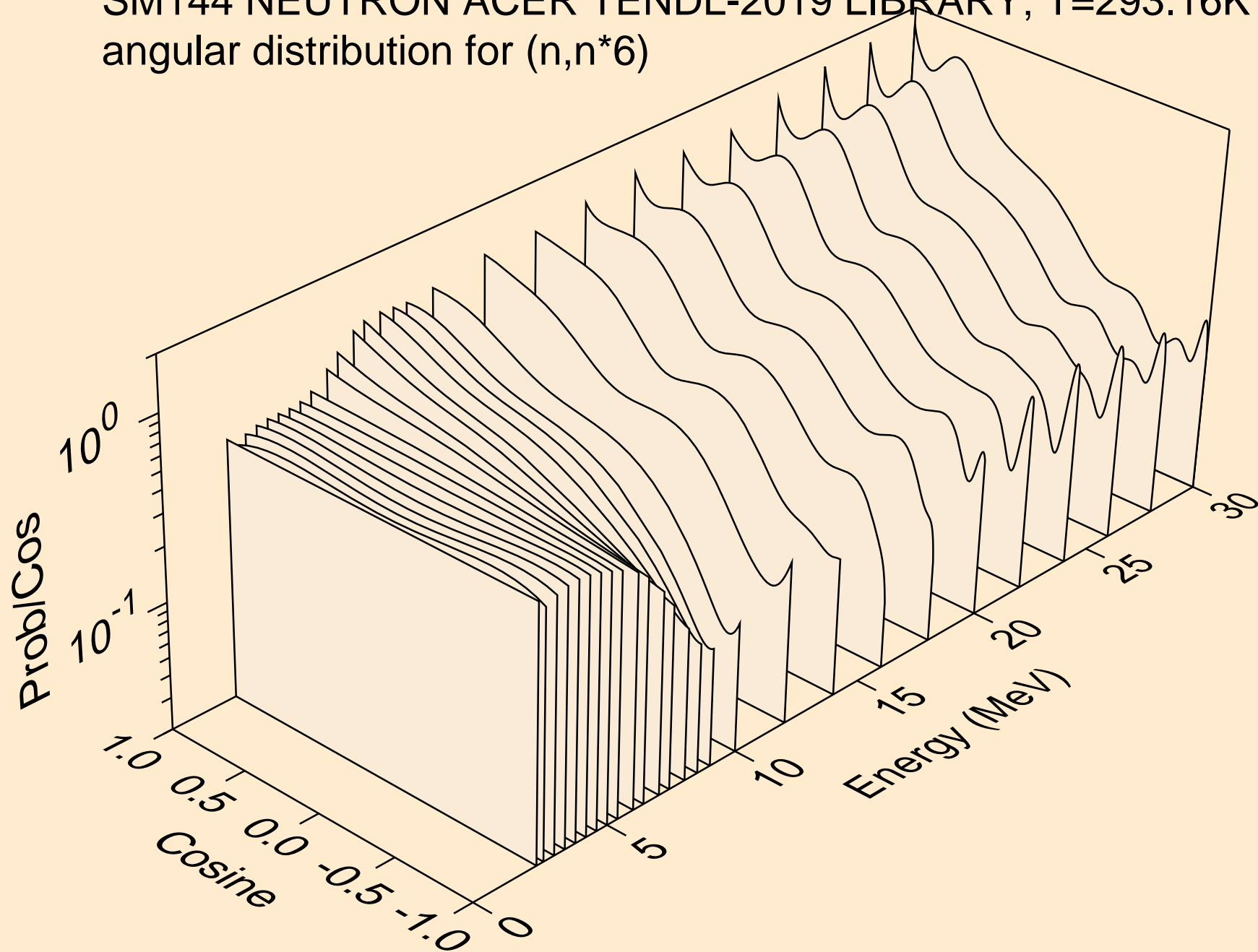
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



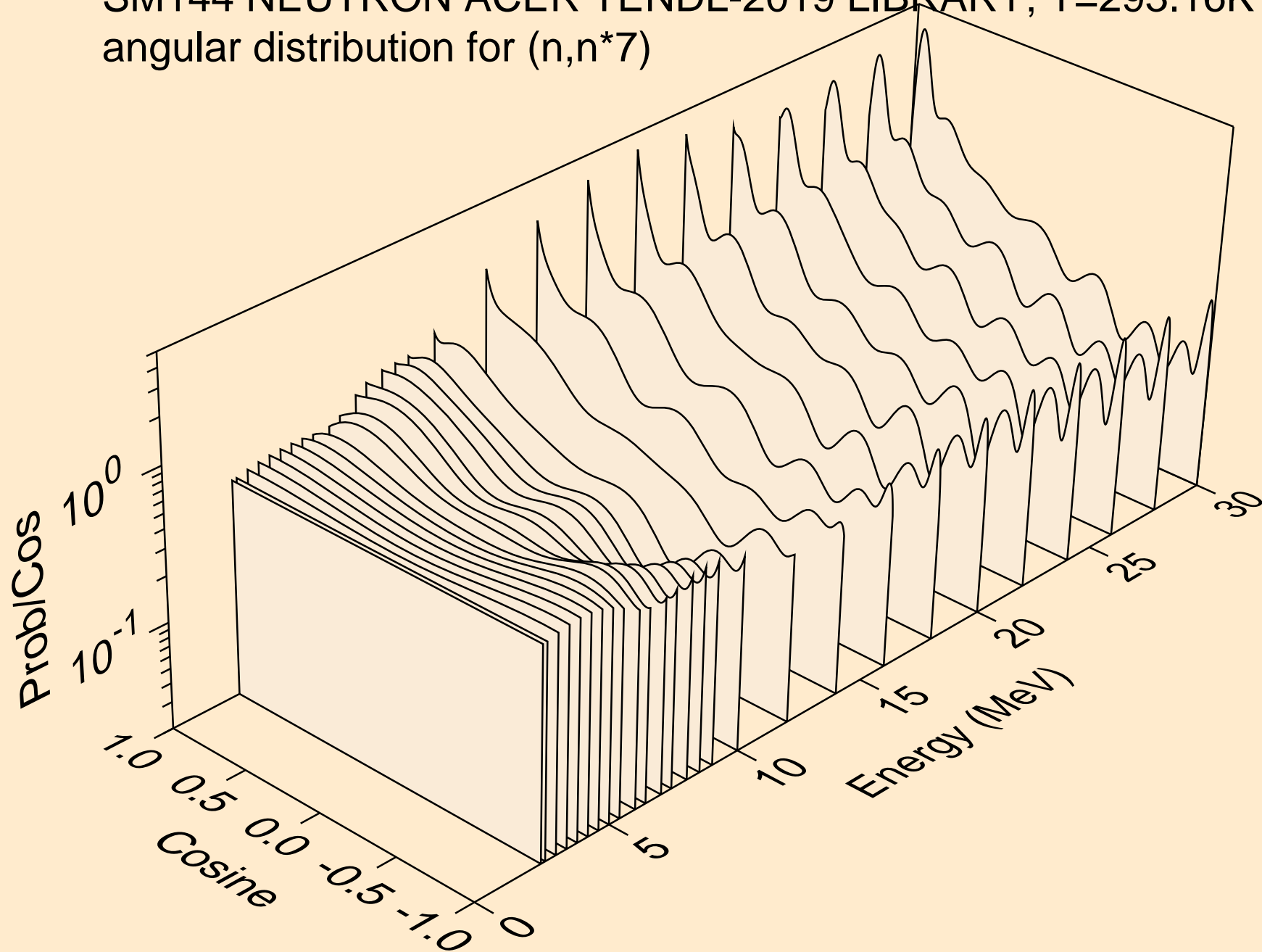
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



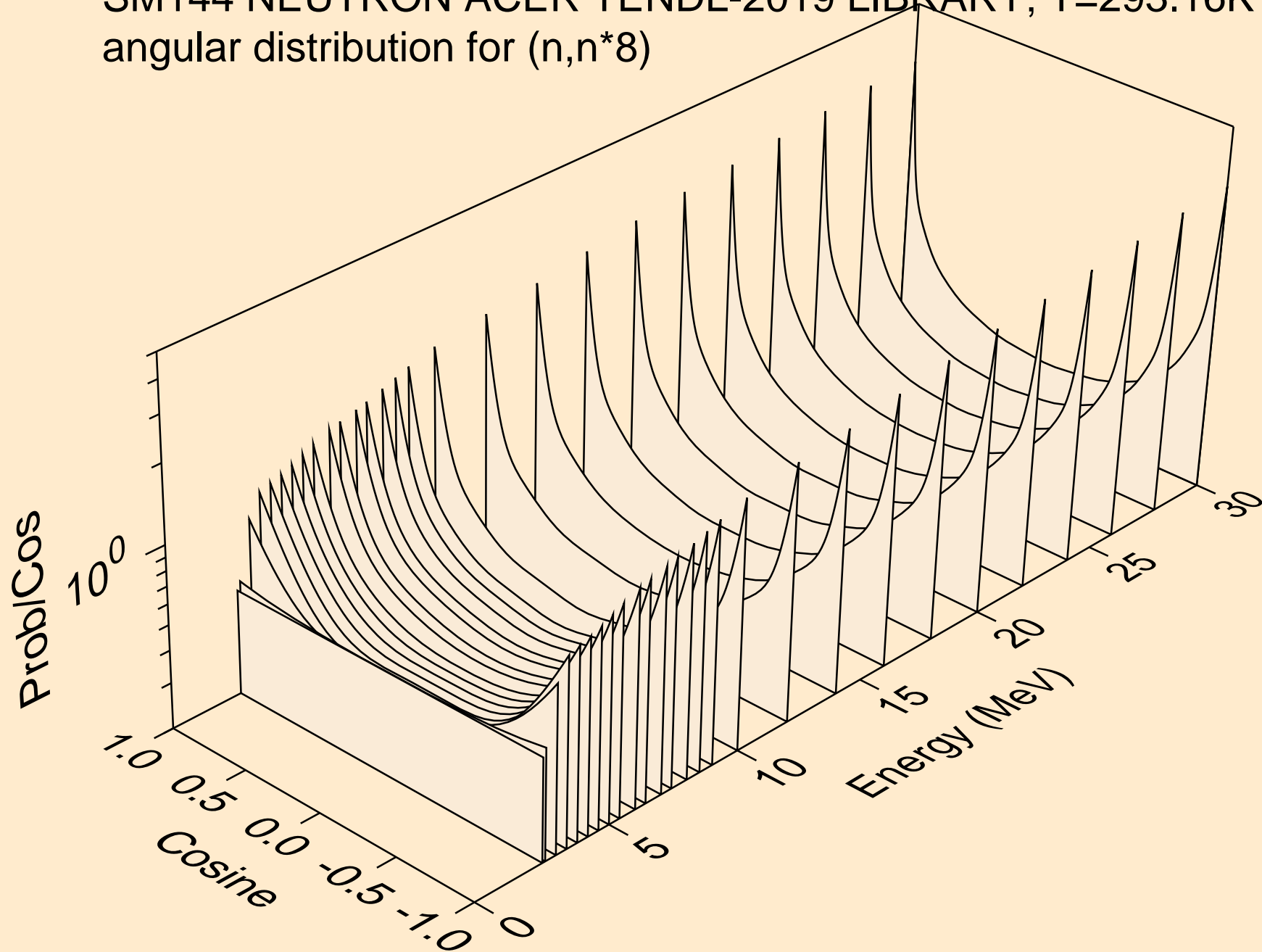
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



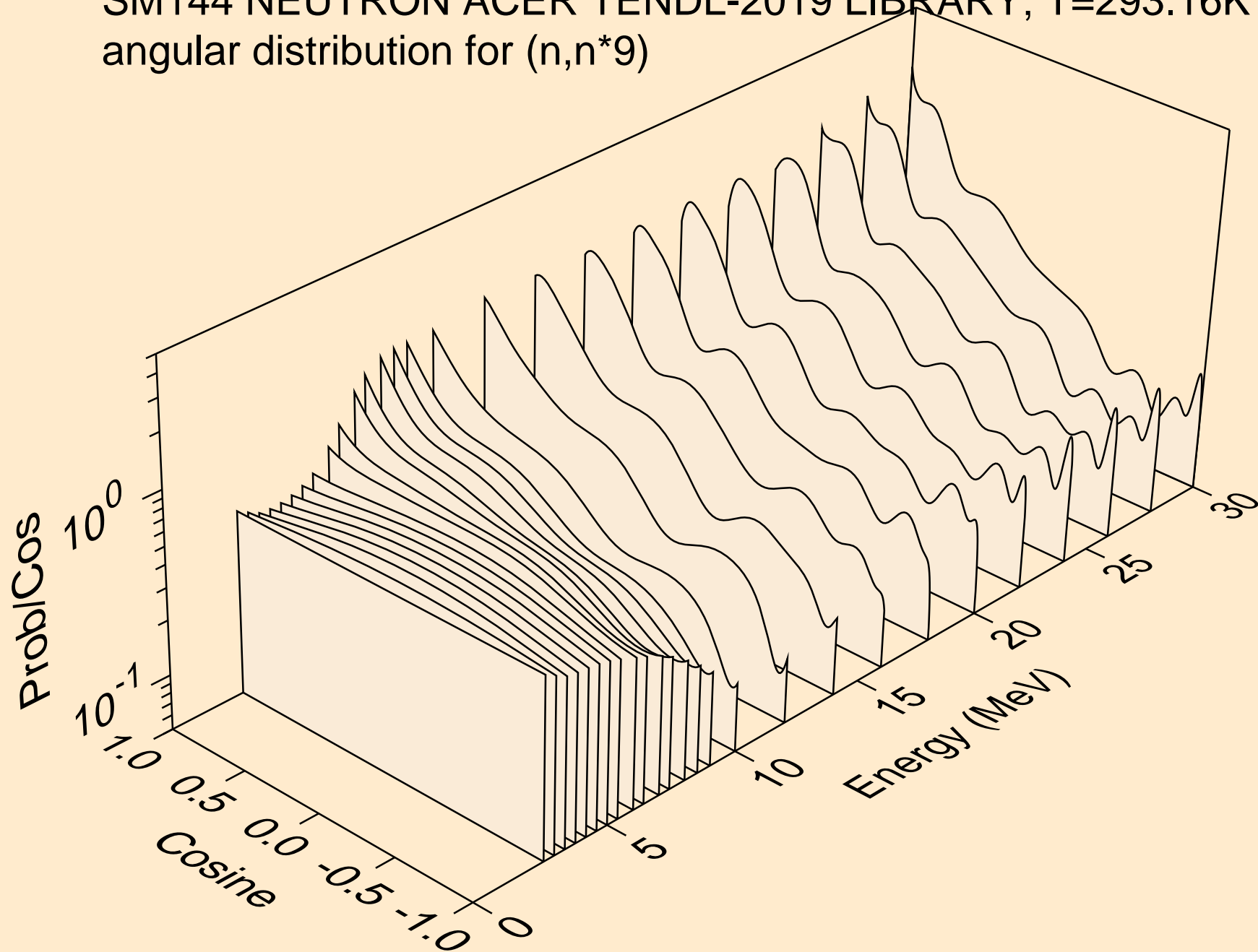
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



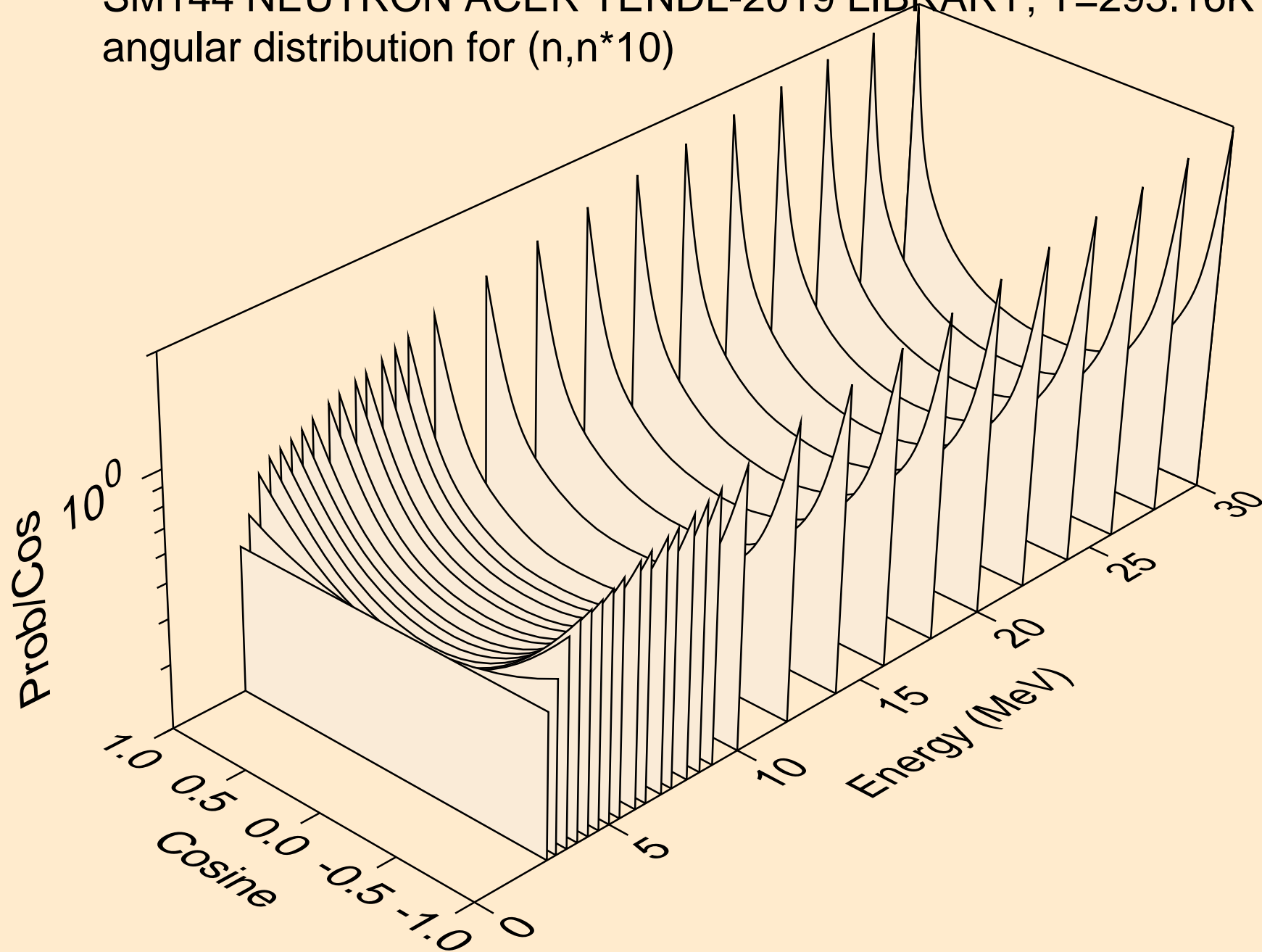
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



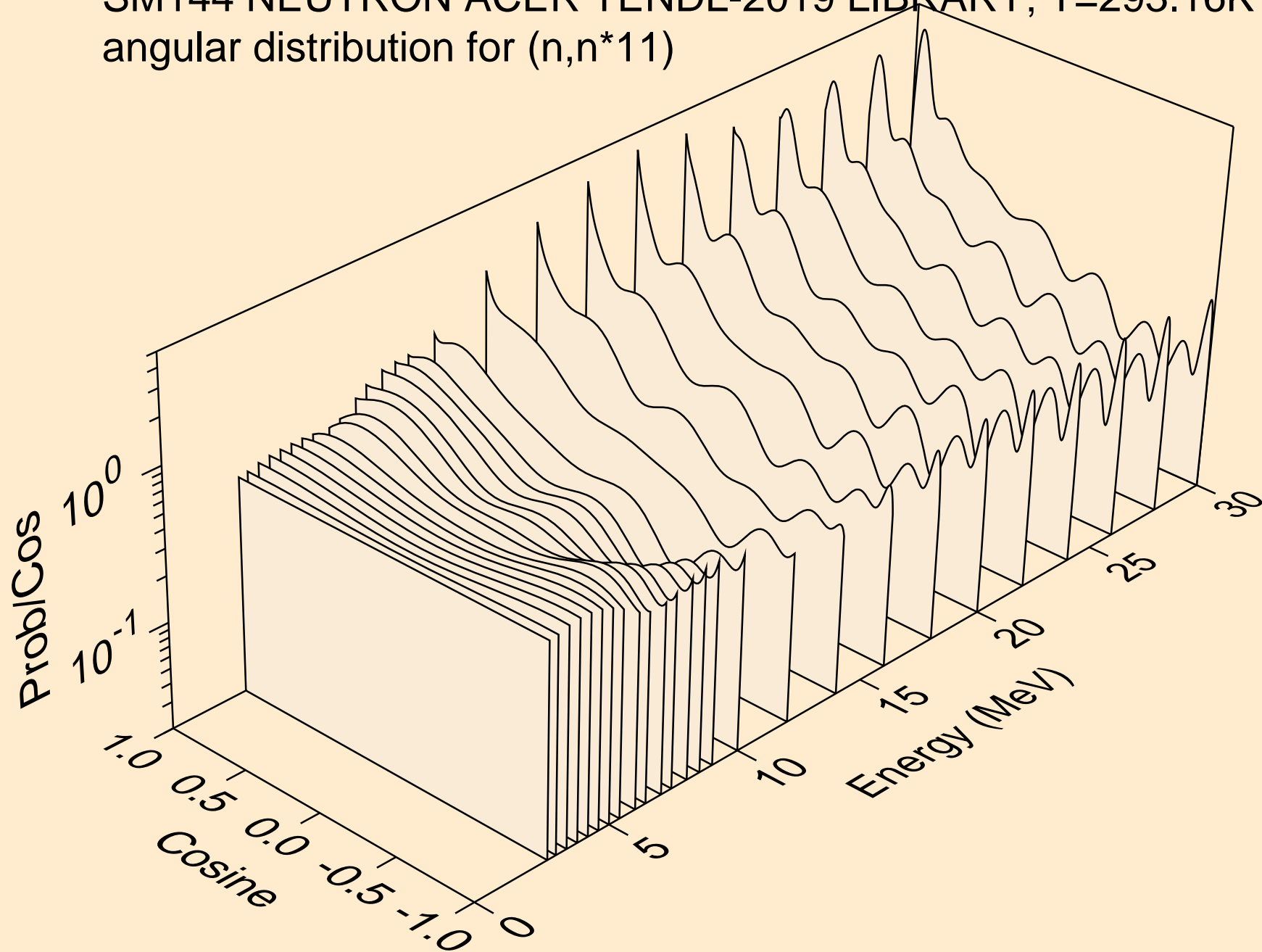
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



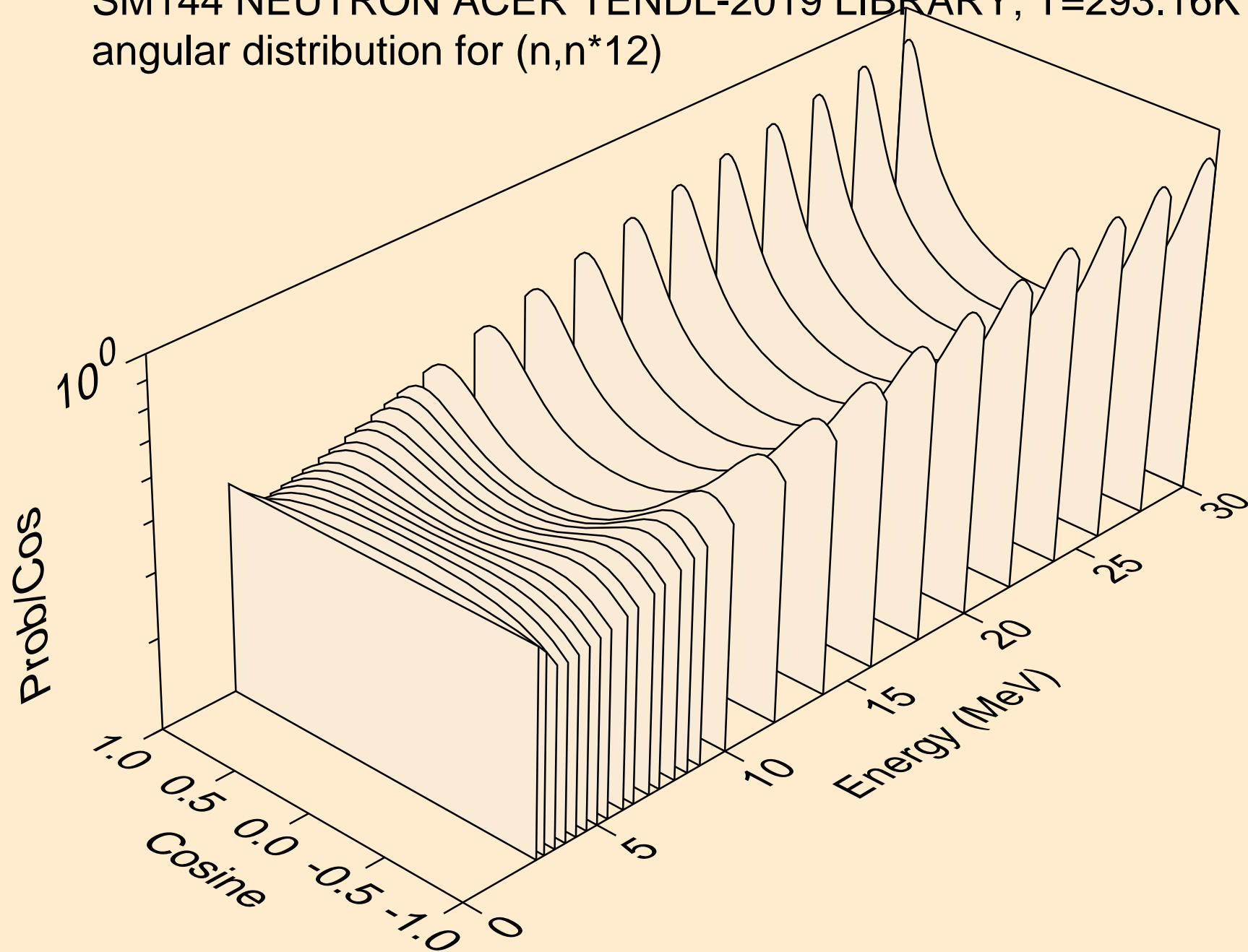
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



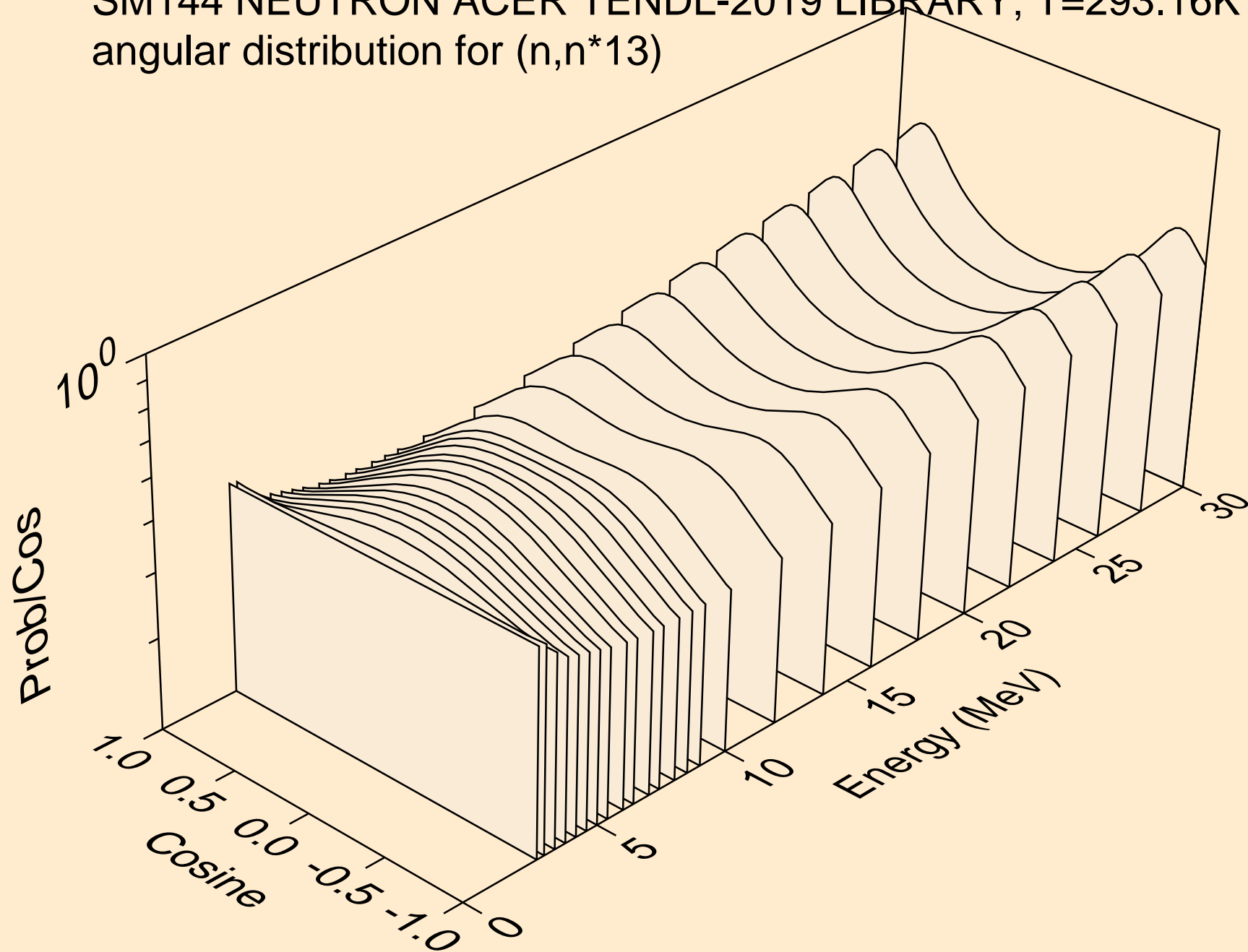
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



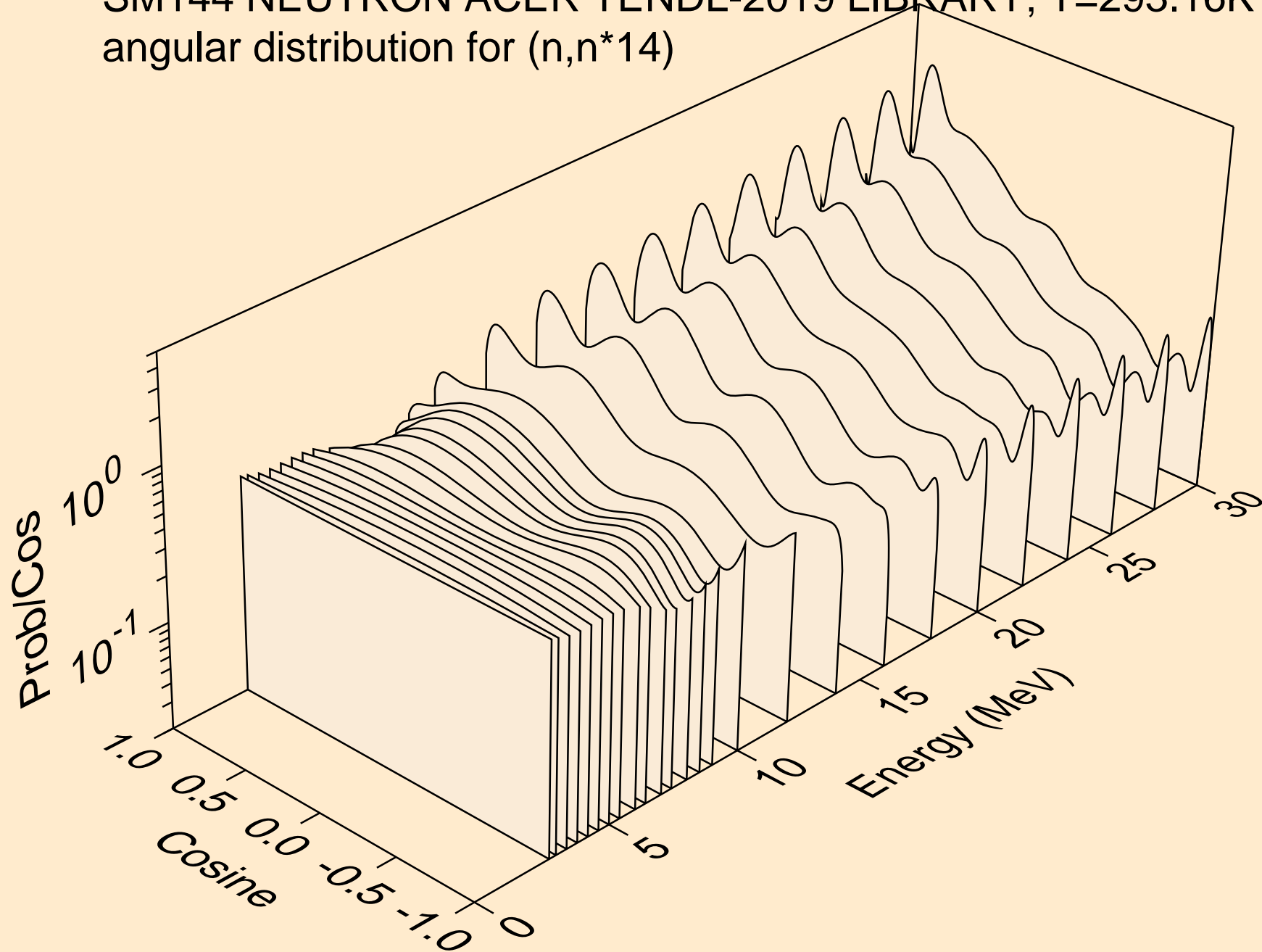
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



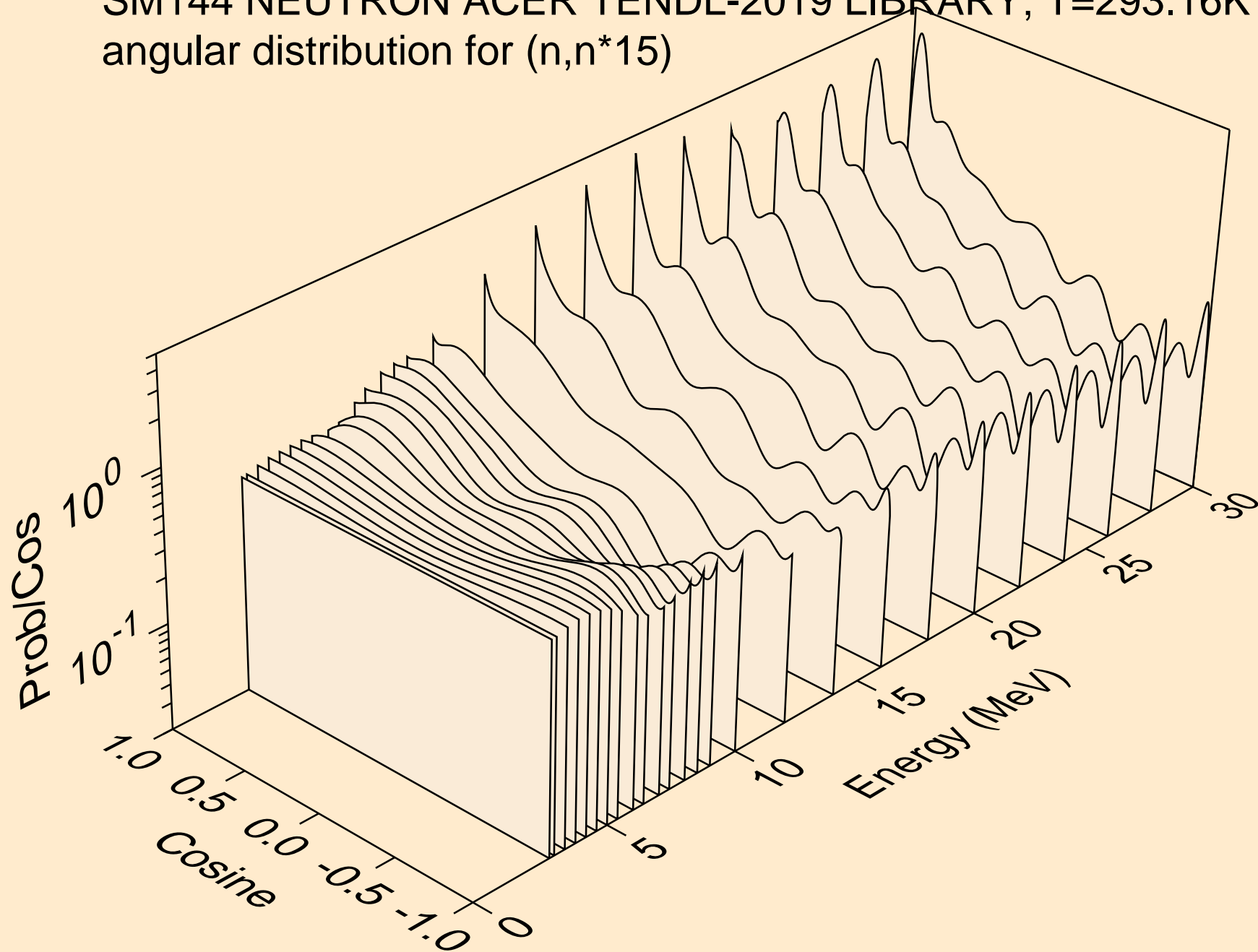
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



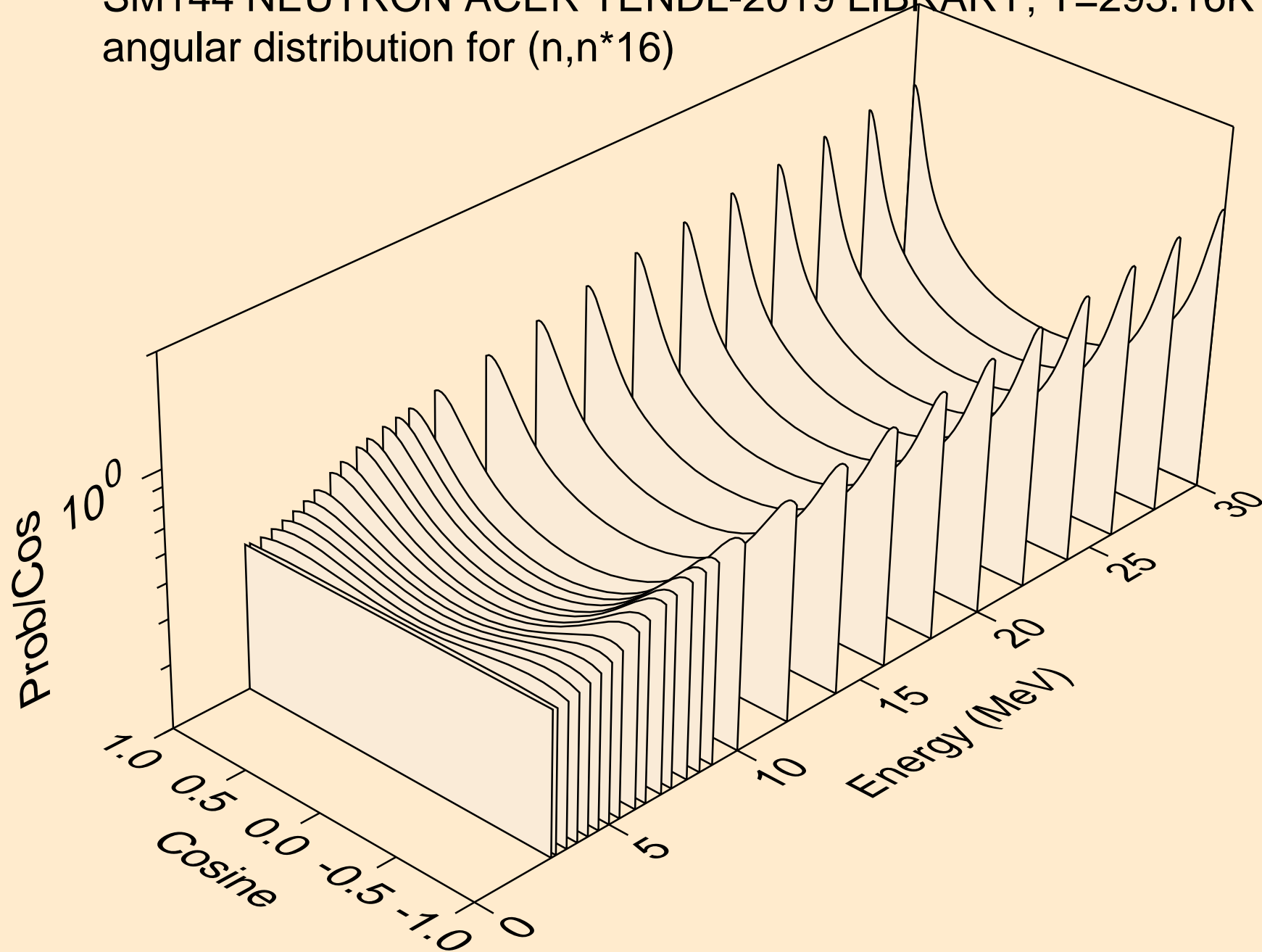
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angular distribution for (n,n*14)



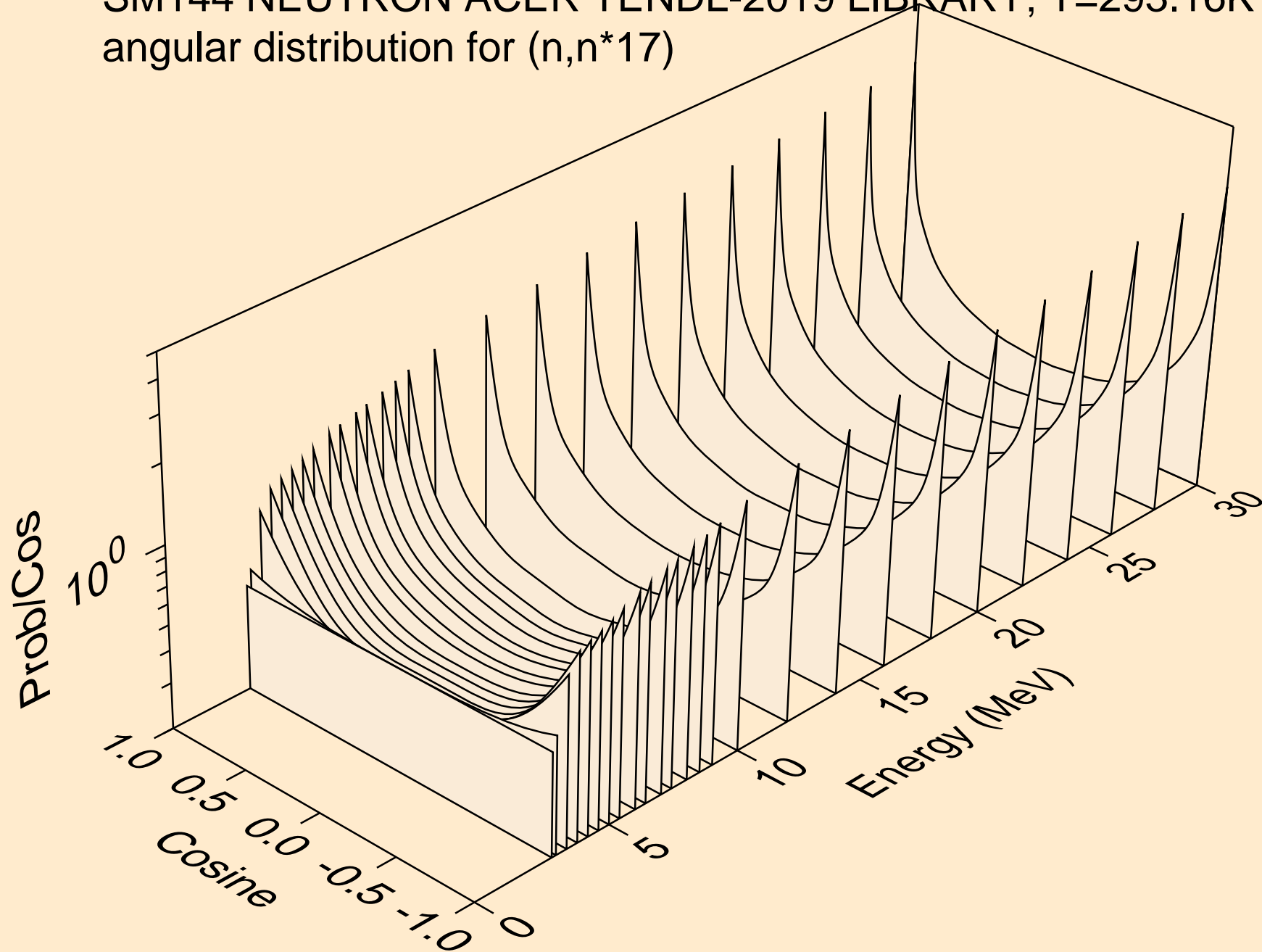
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



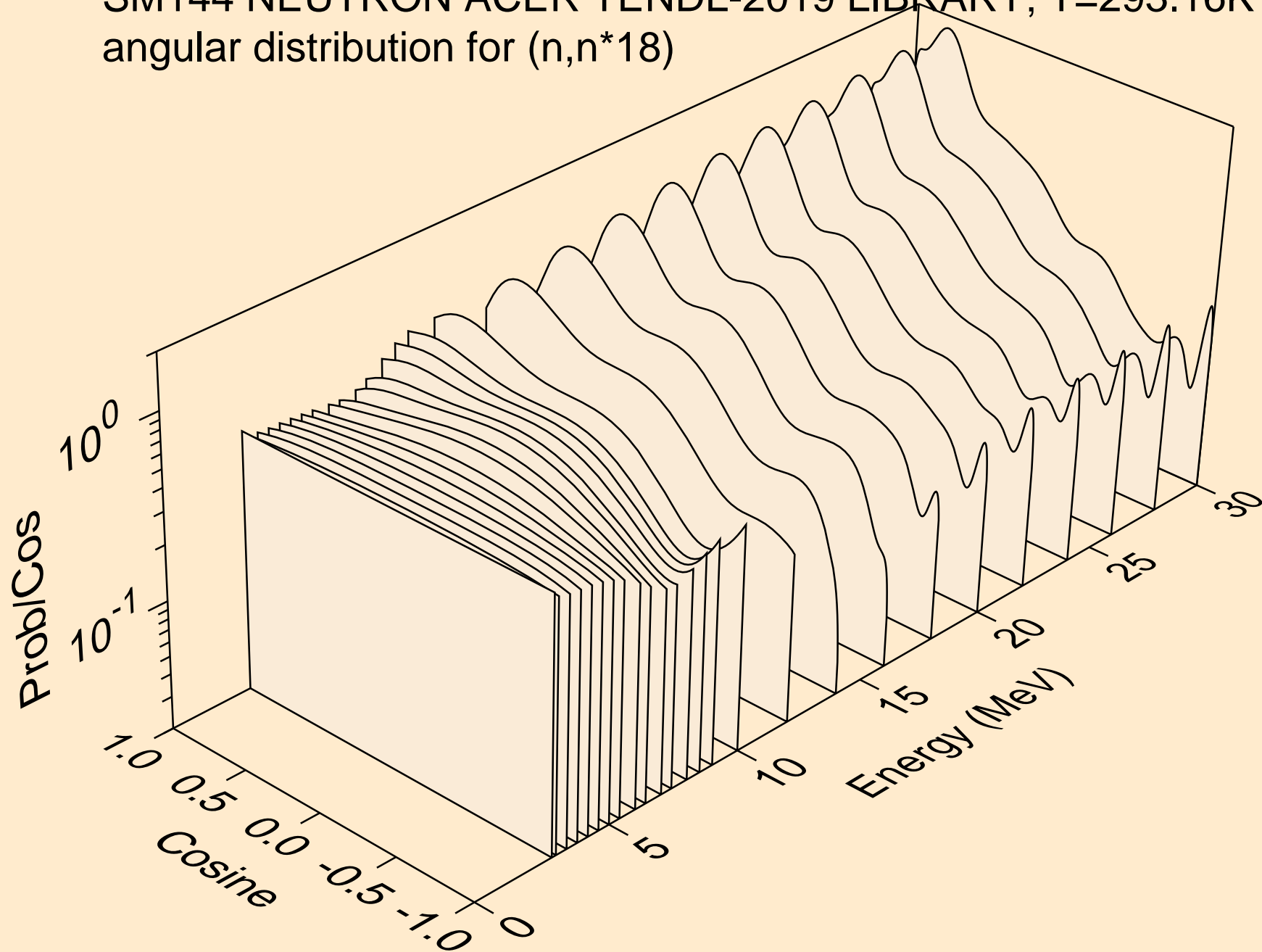
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angular distribution for (n,n*16)



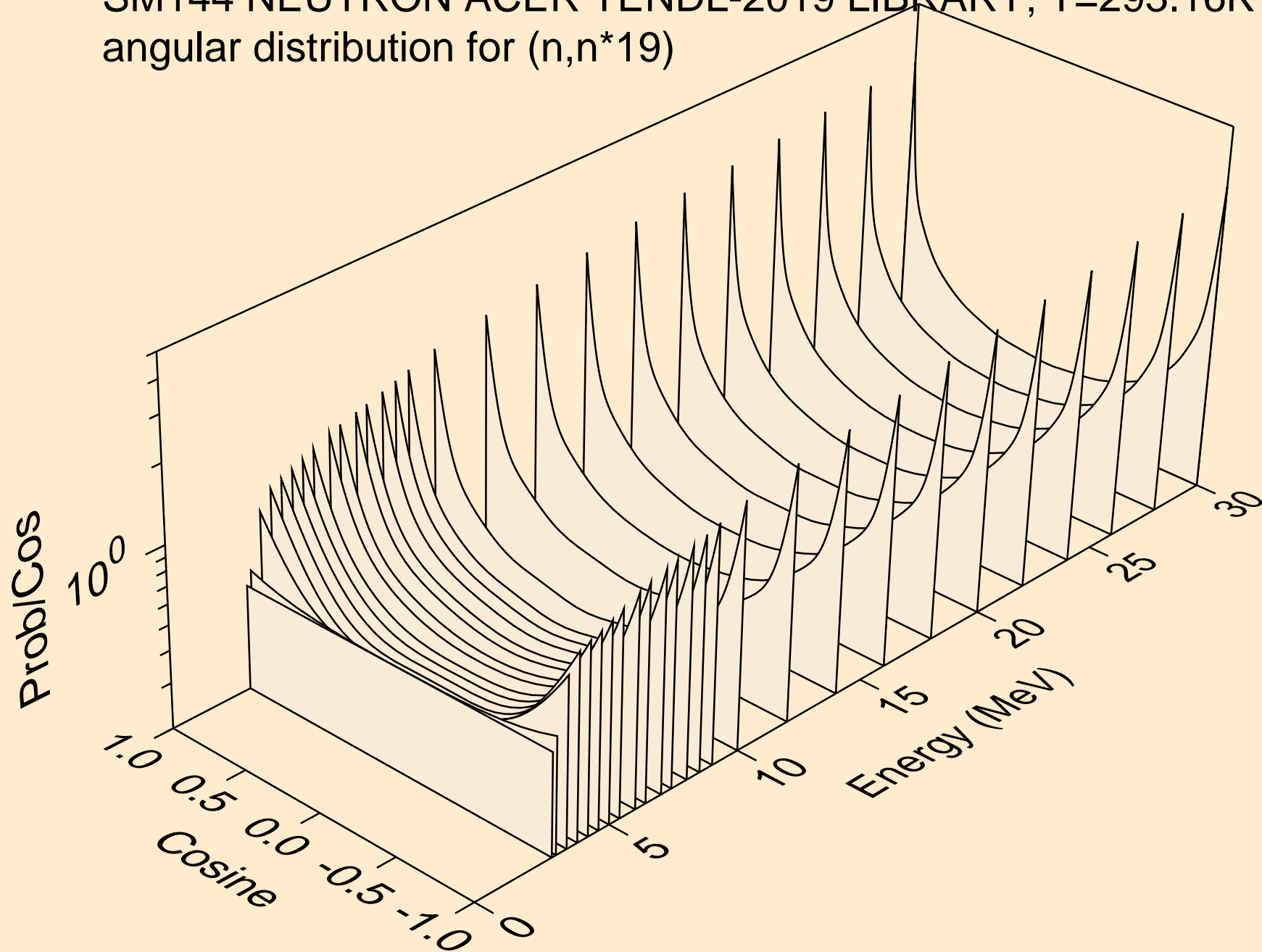
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*17)



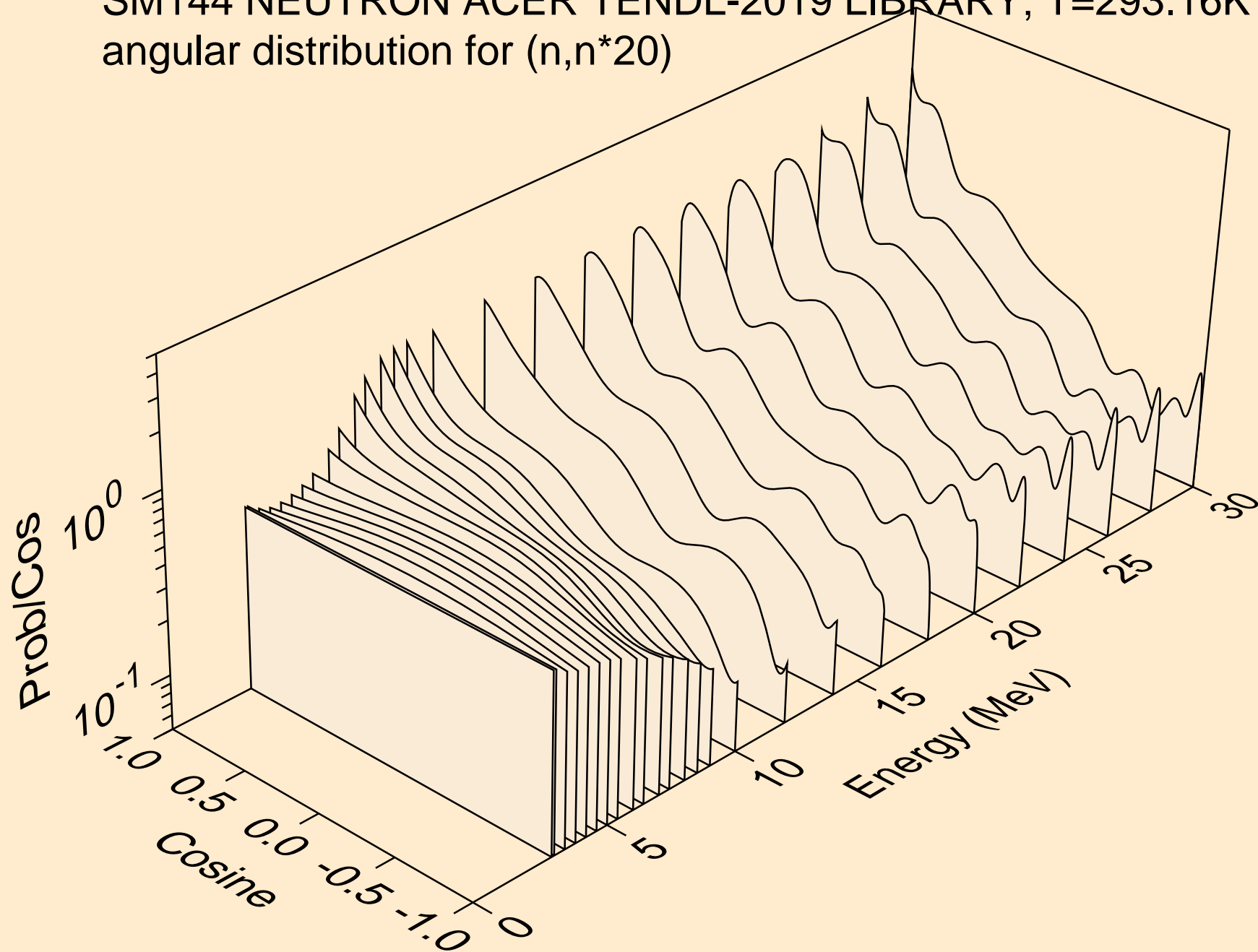
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



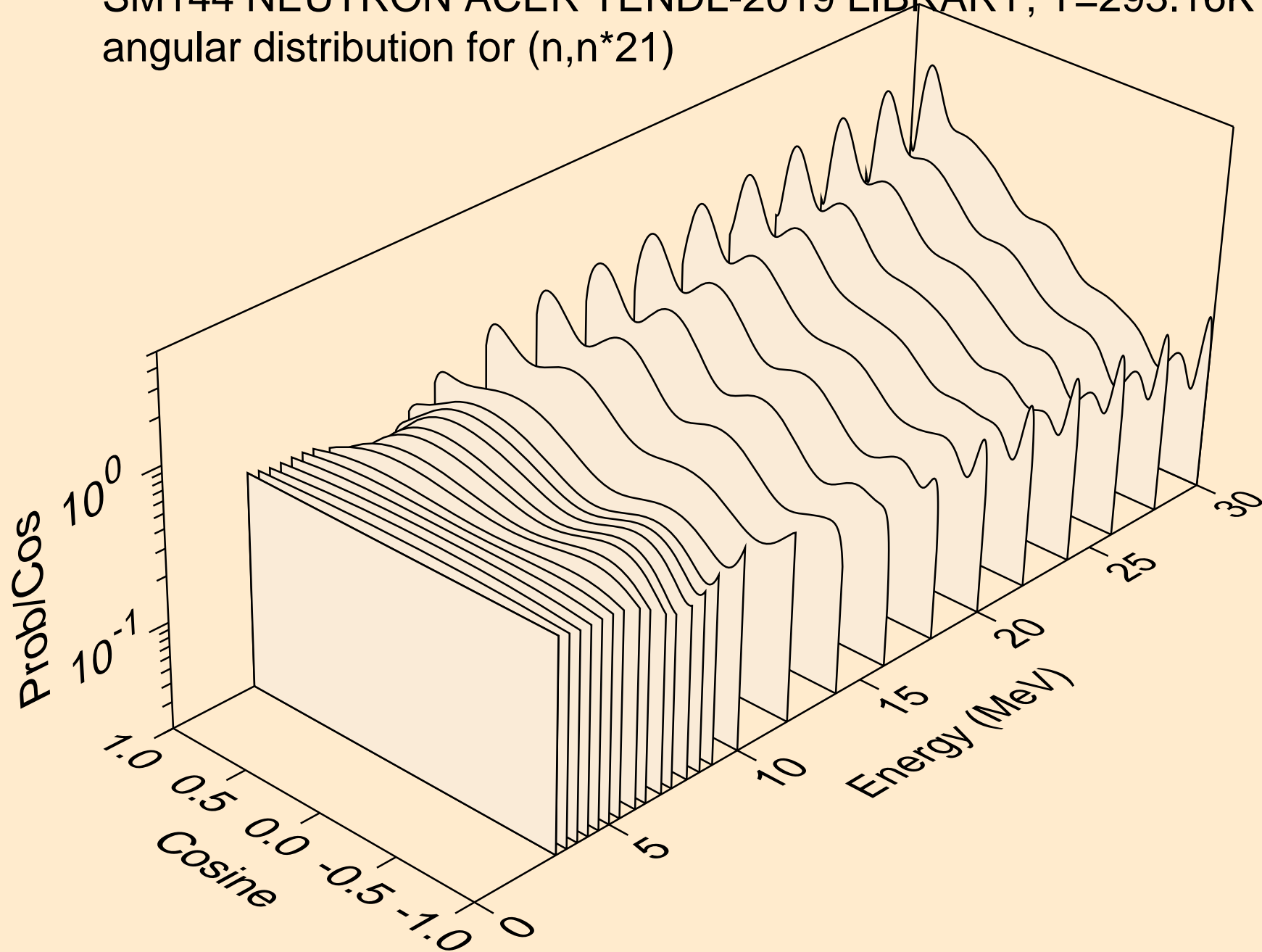
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



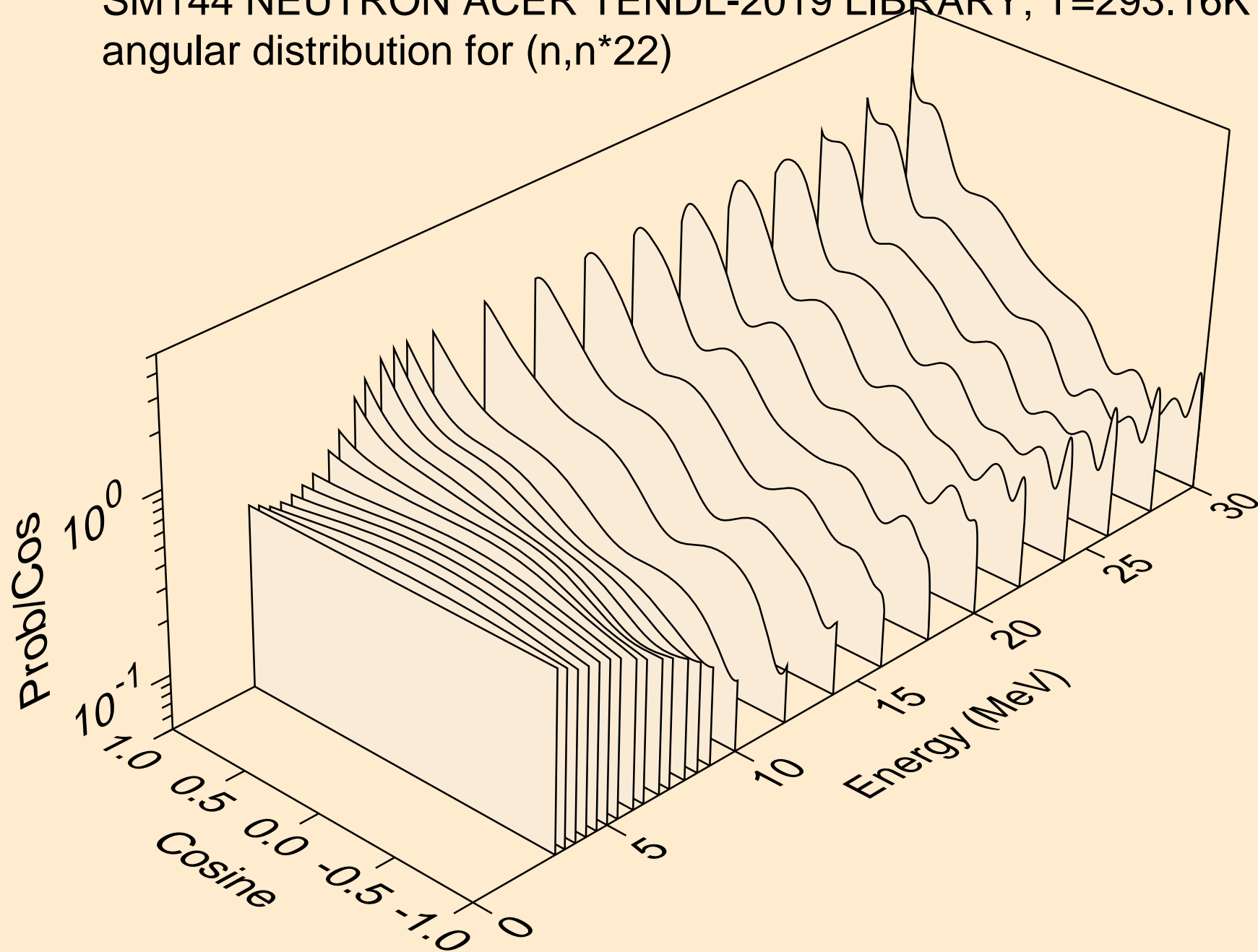
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



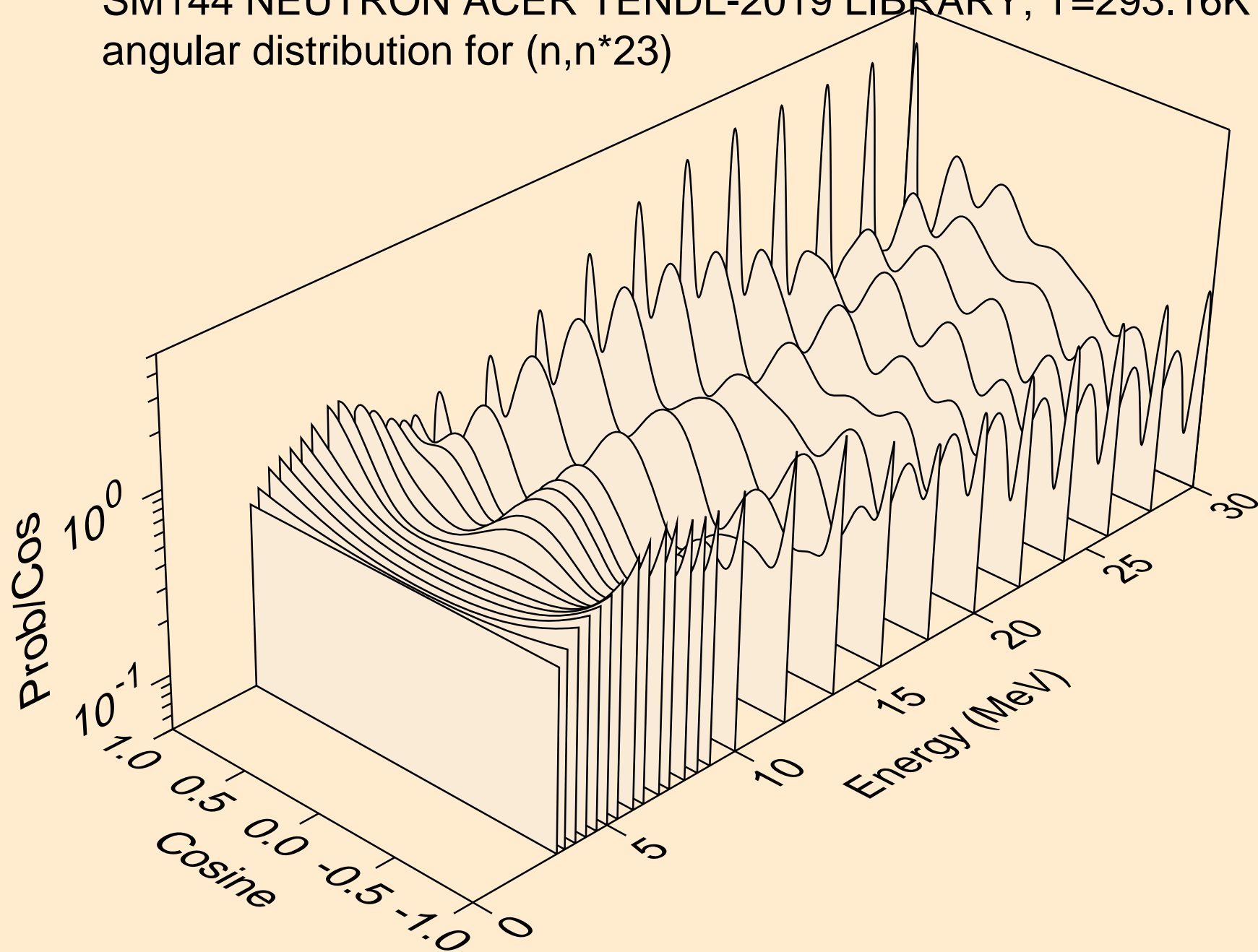
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



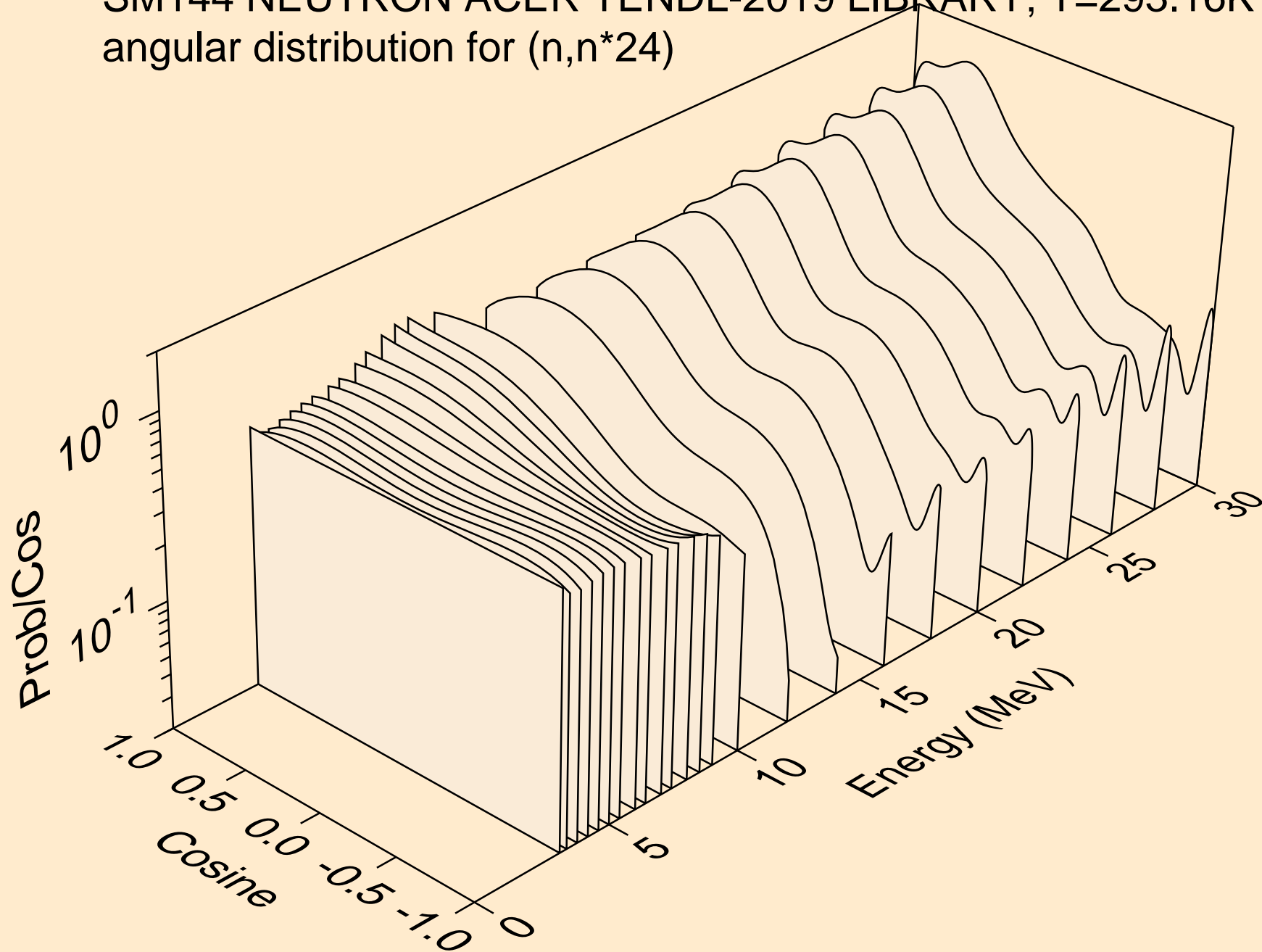
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*22)



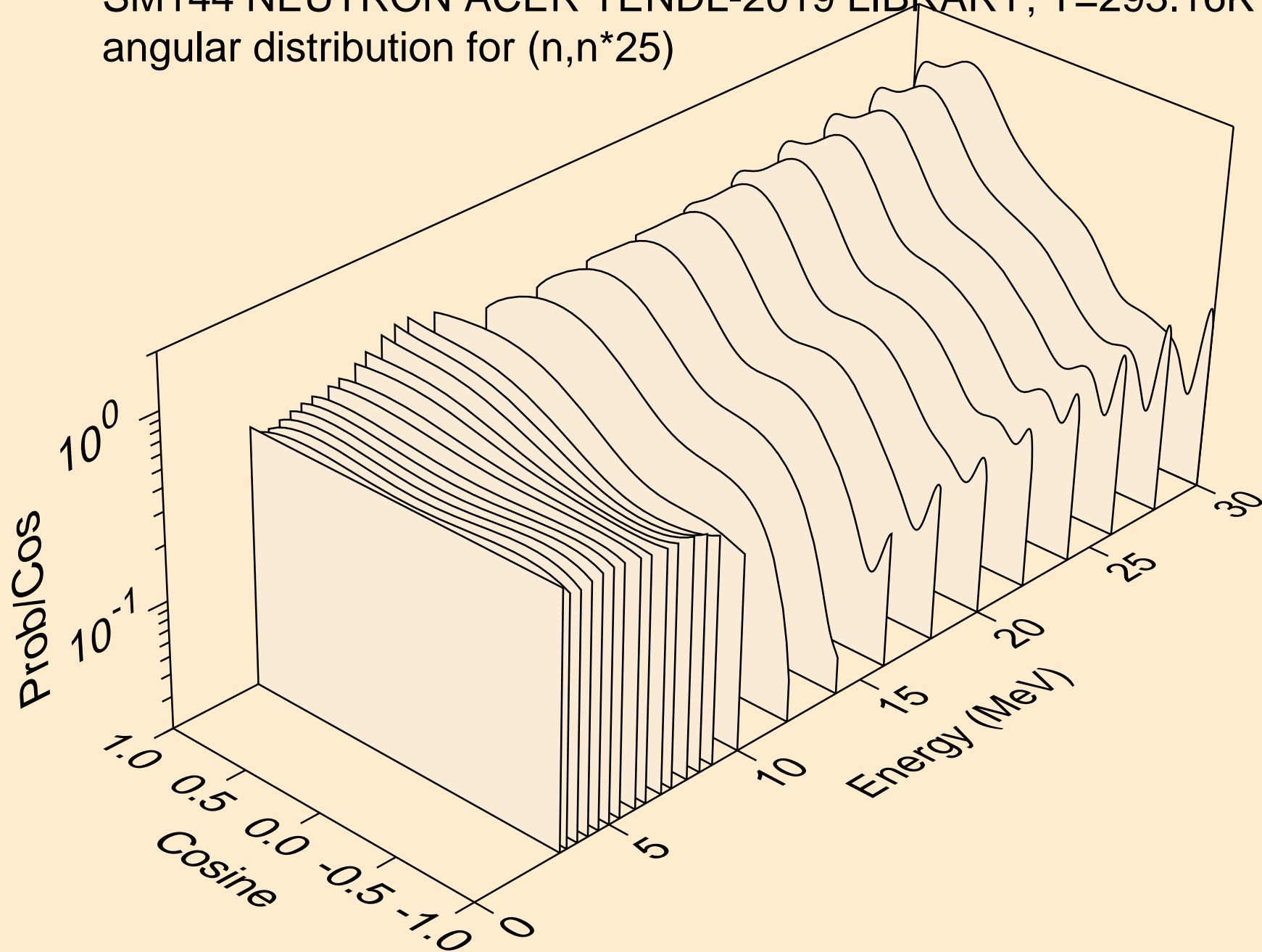
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*23)



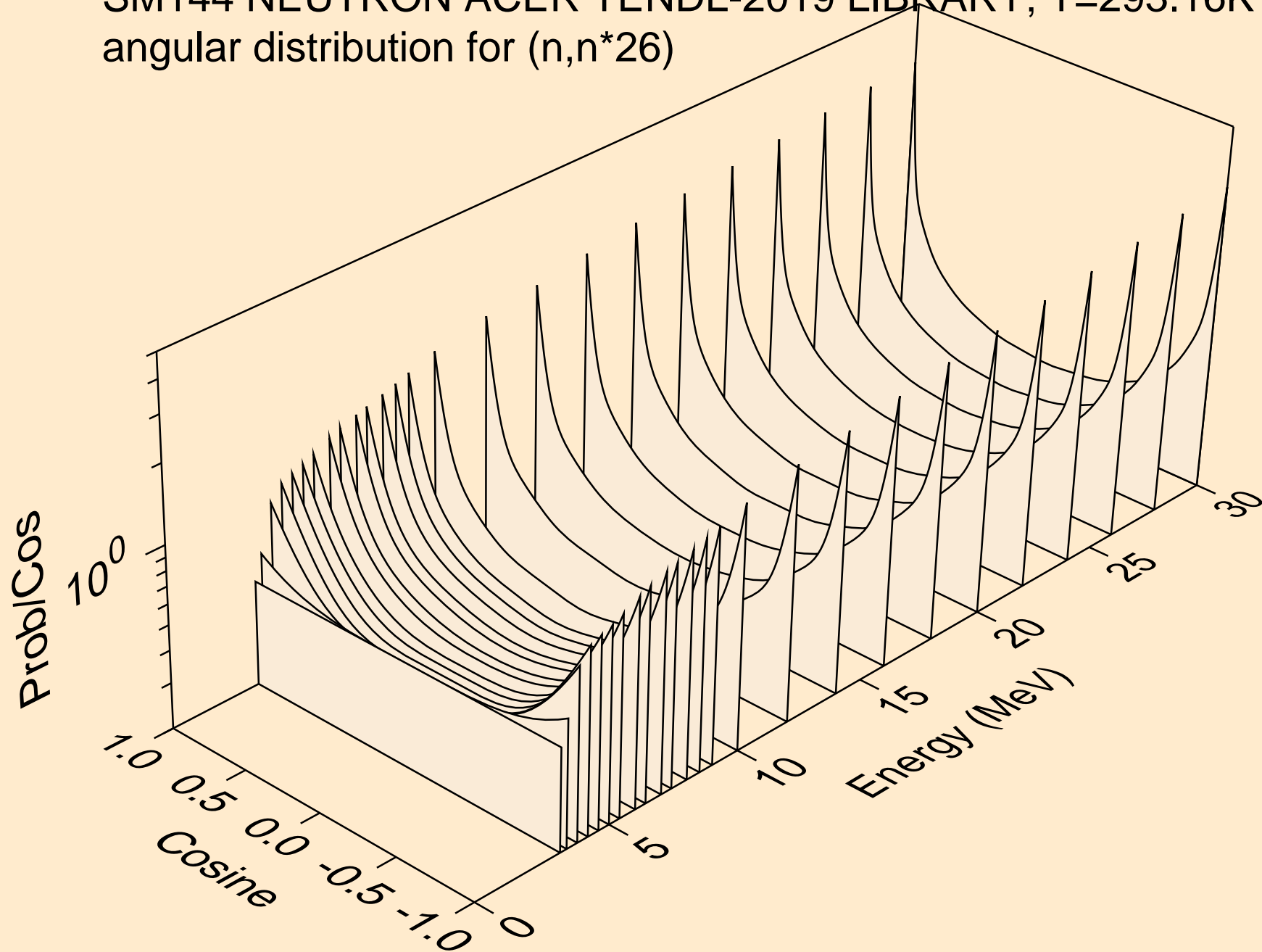
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



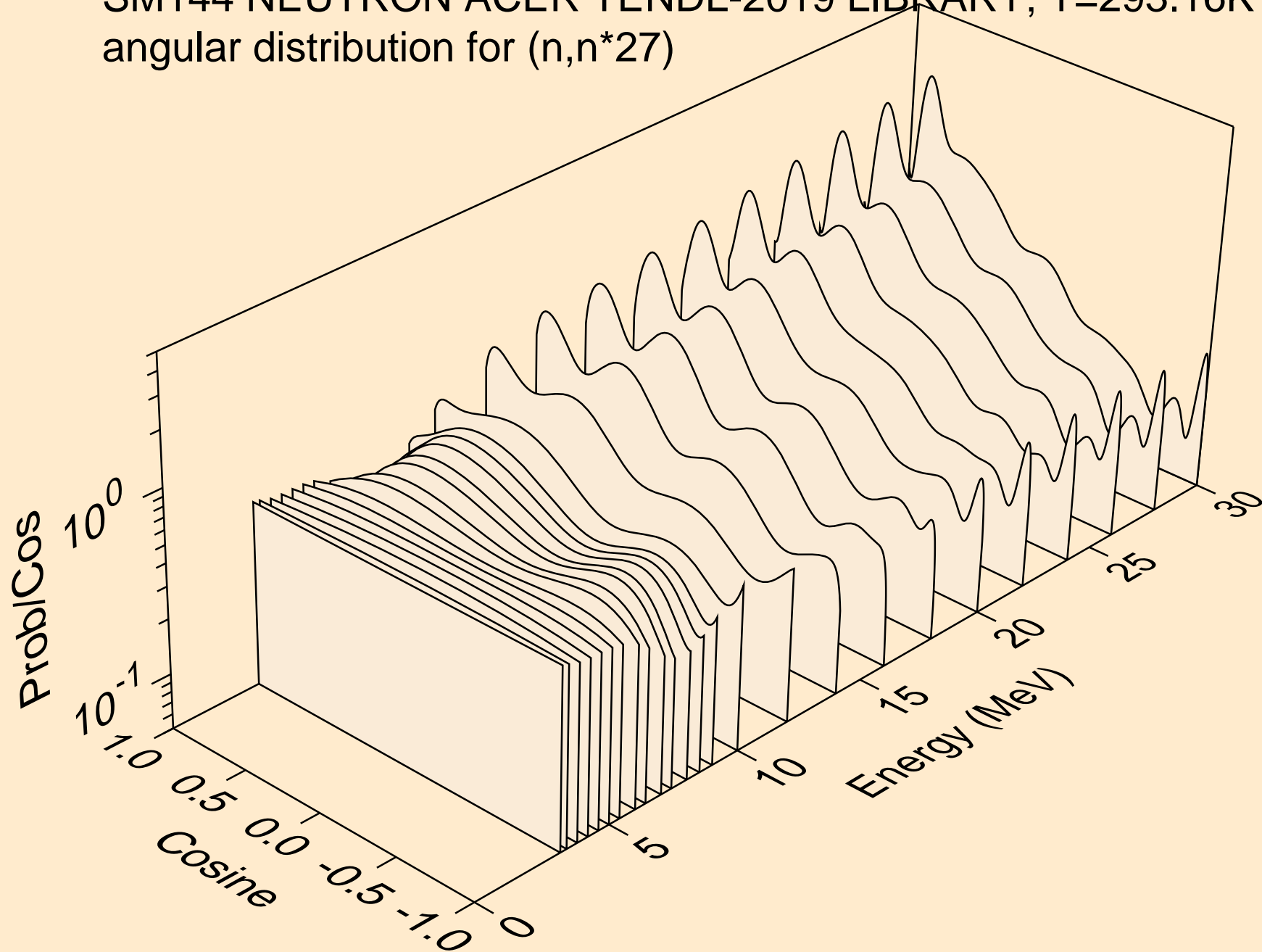
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



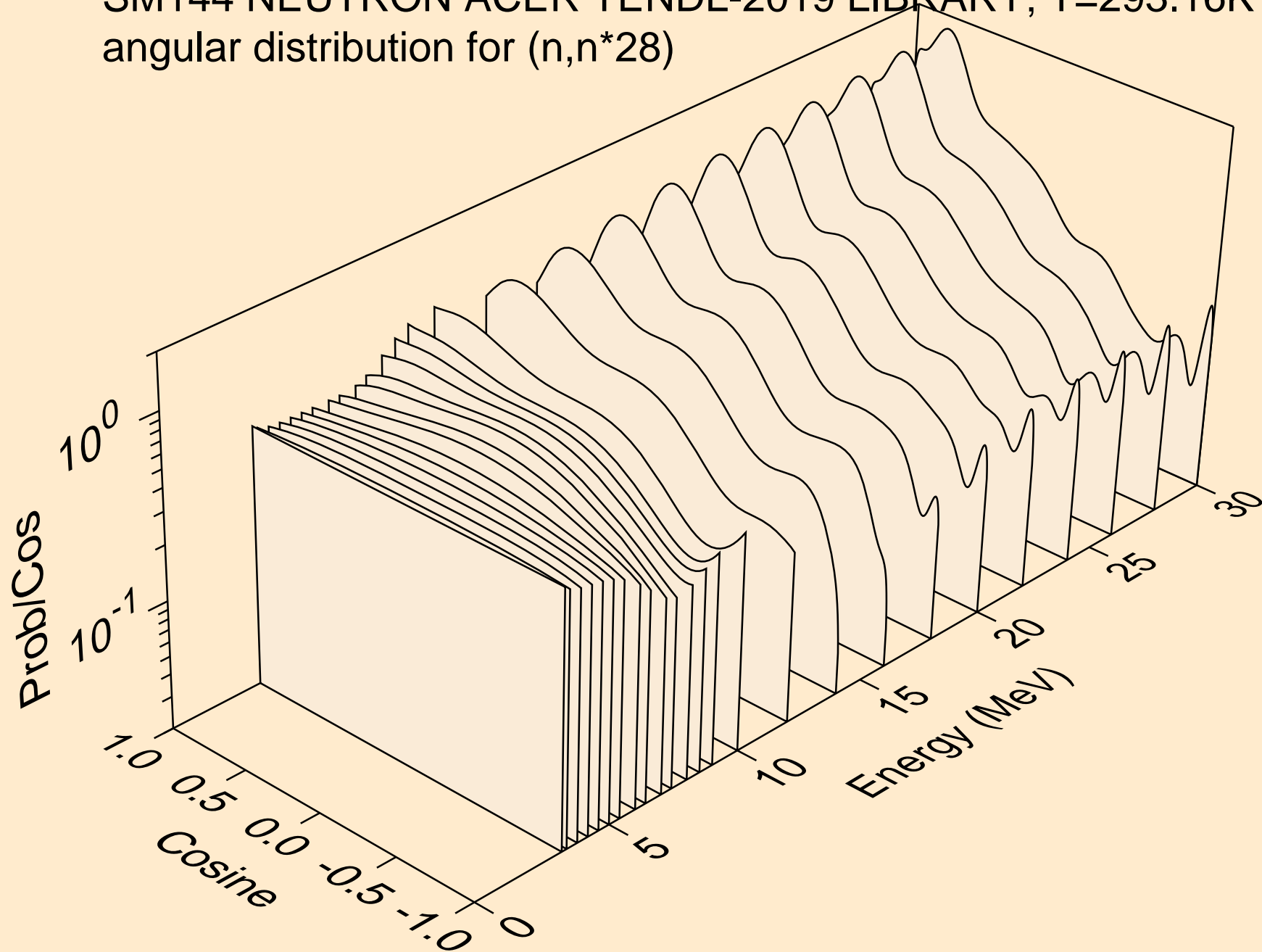
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



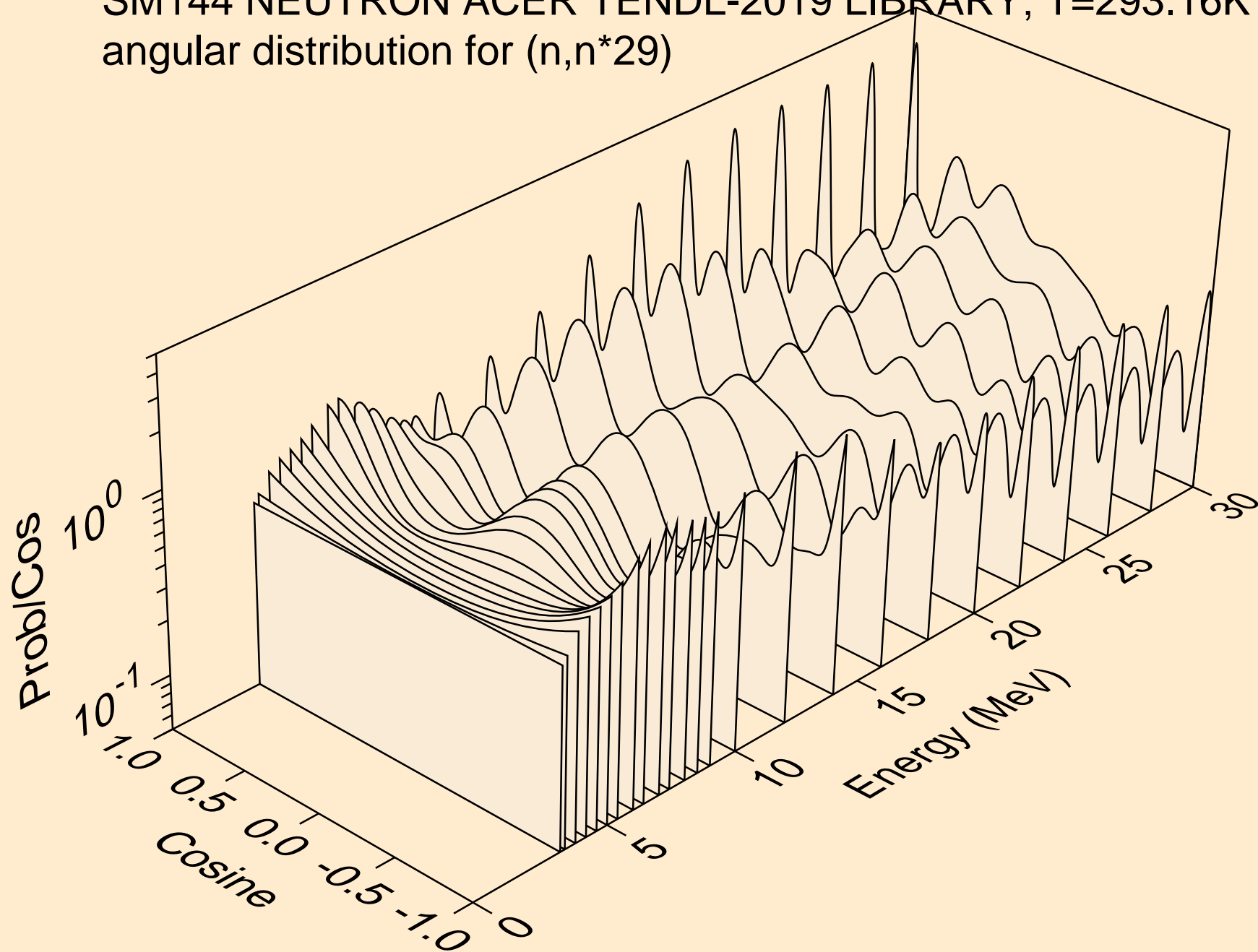
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



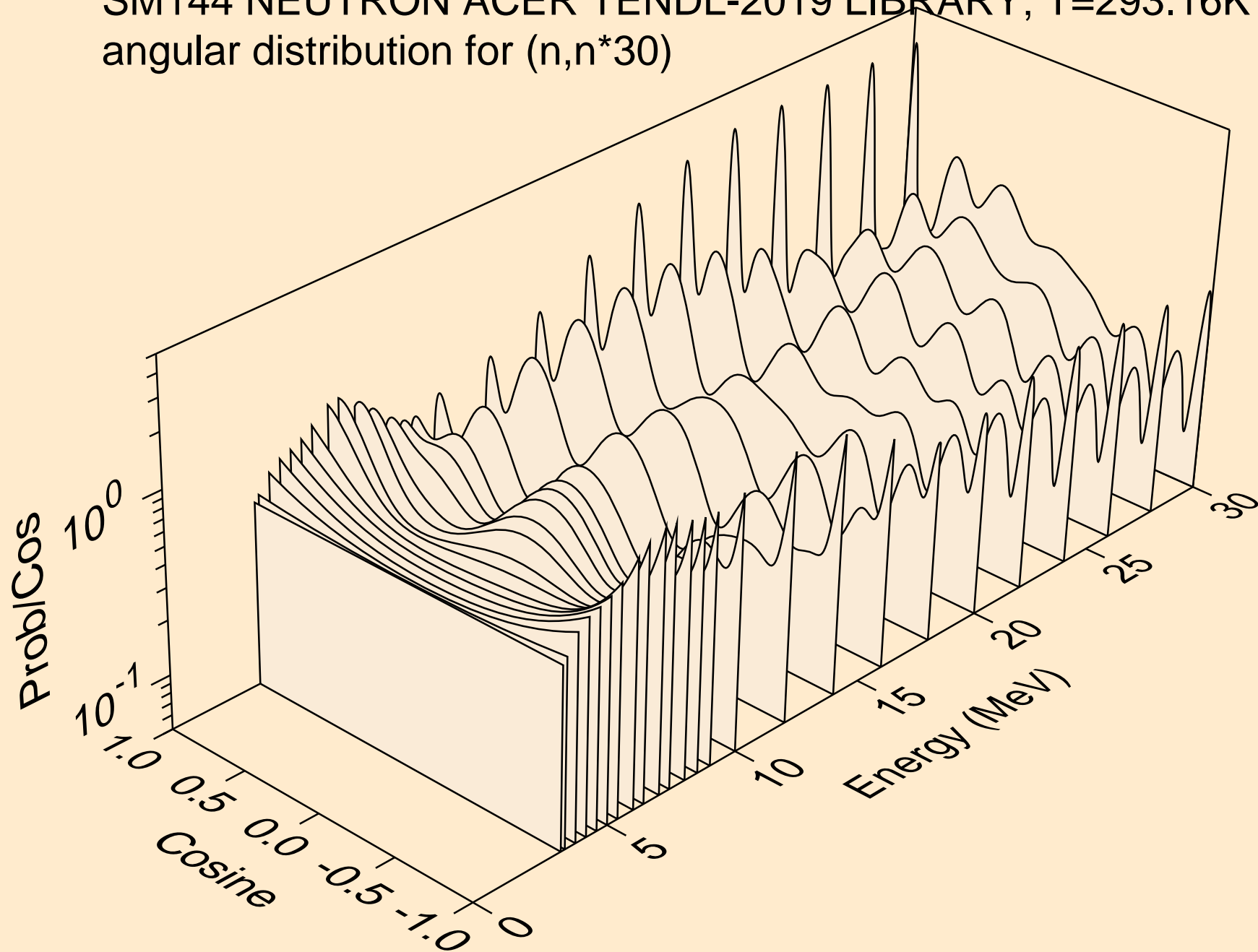
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



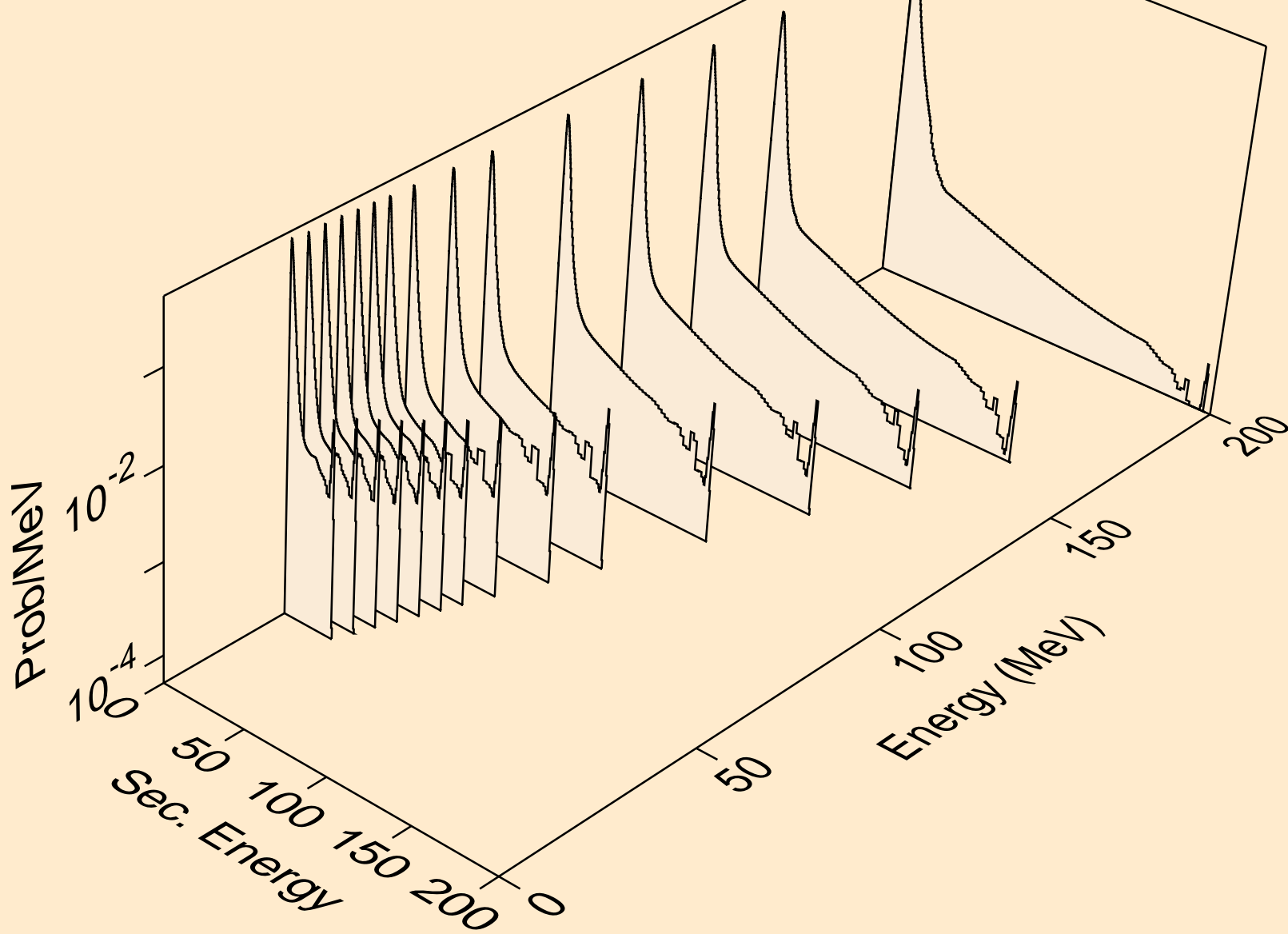
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



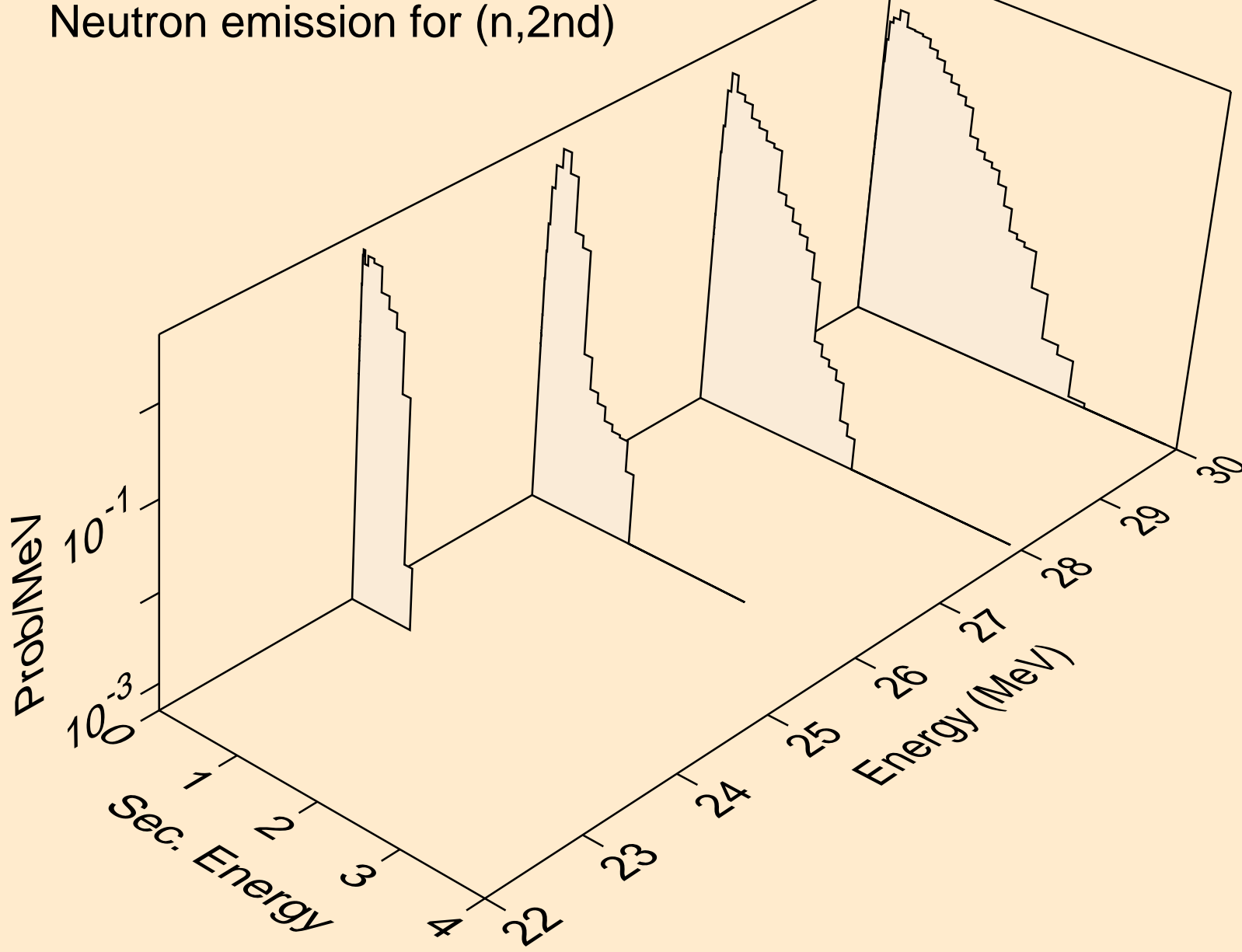
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



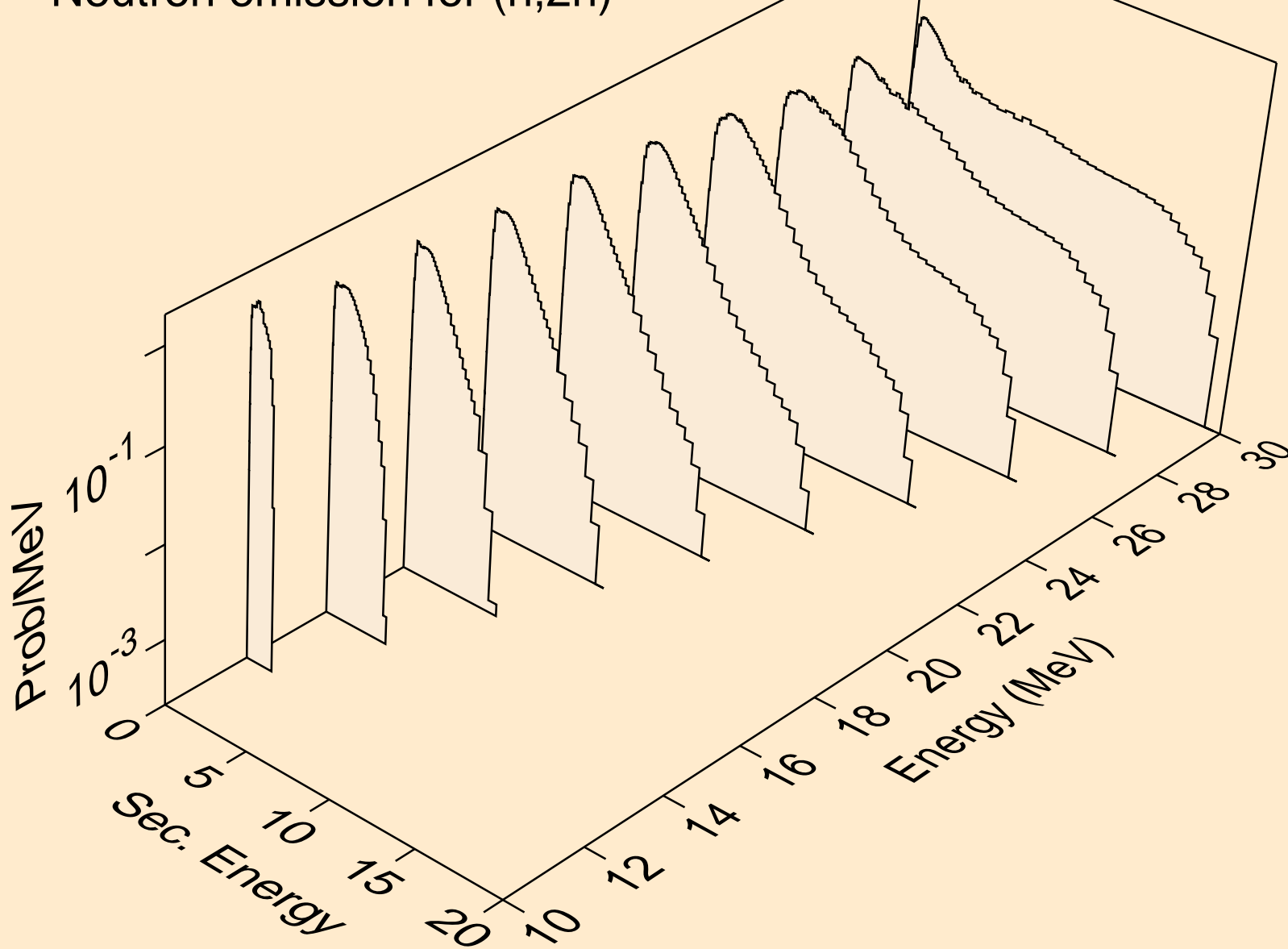
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



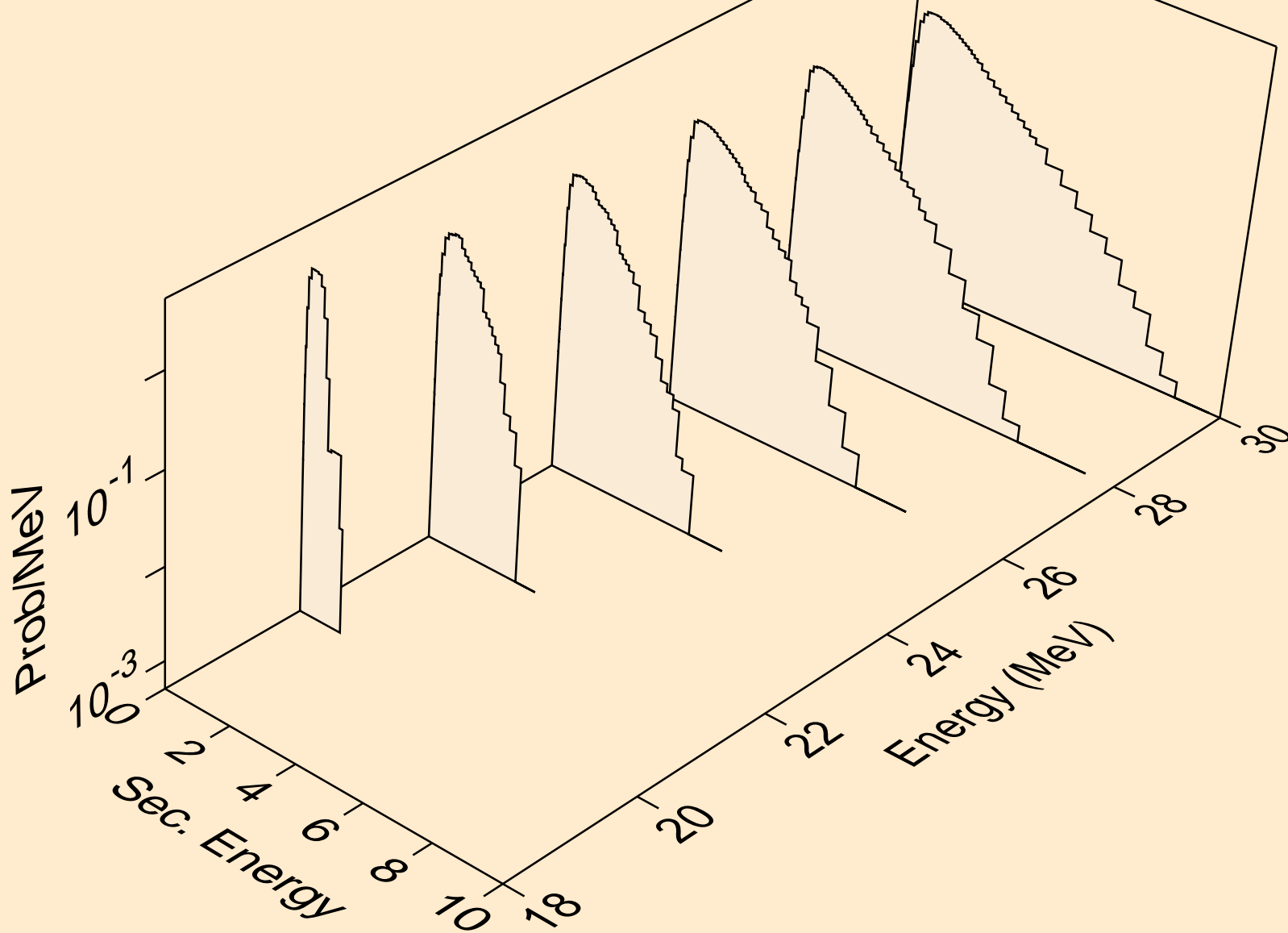
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



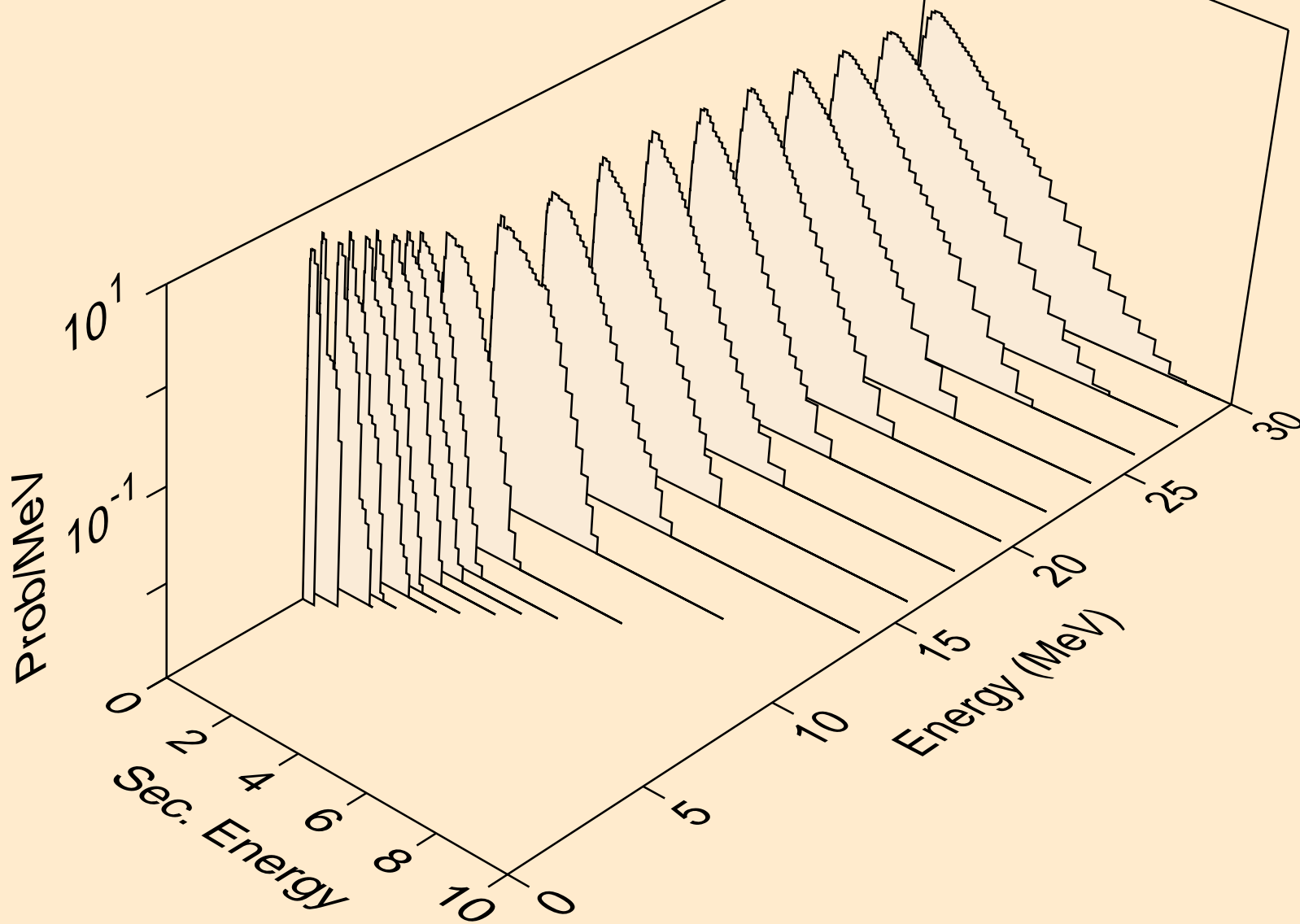
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



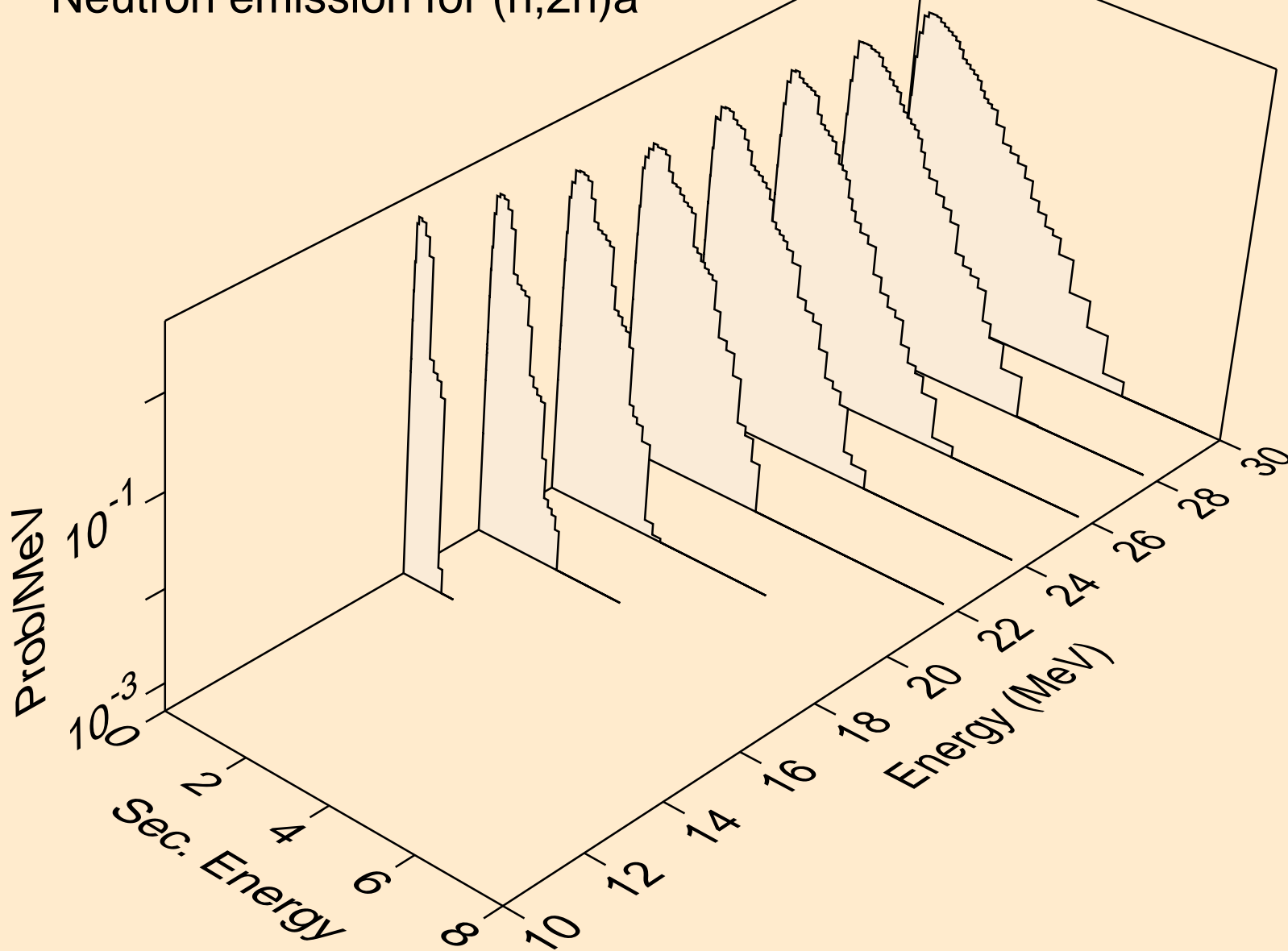
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



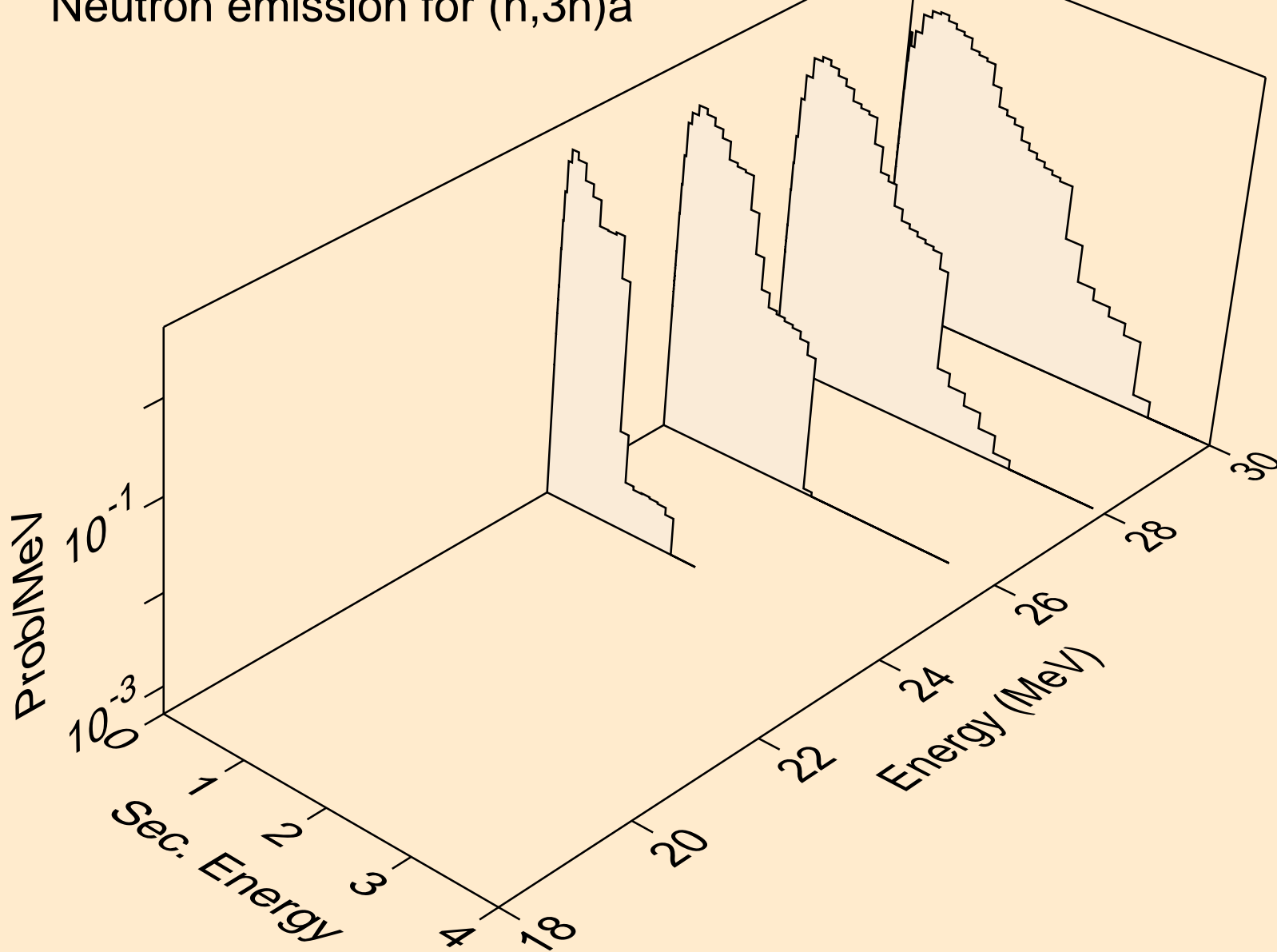
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



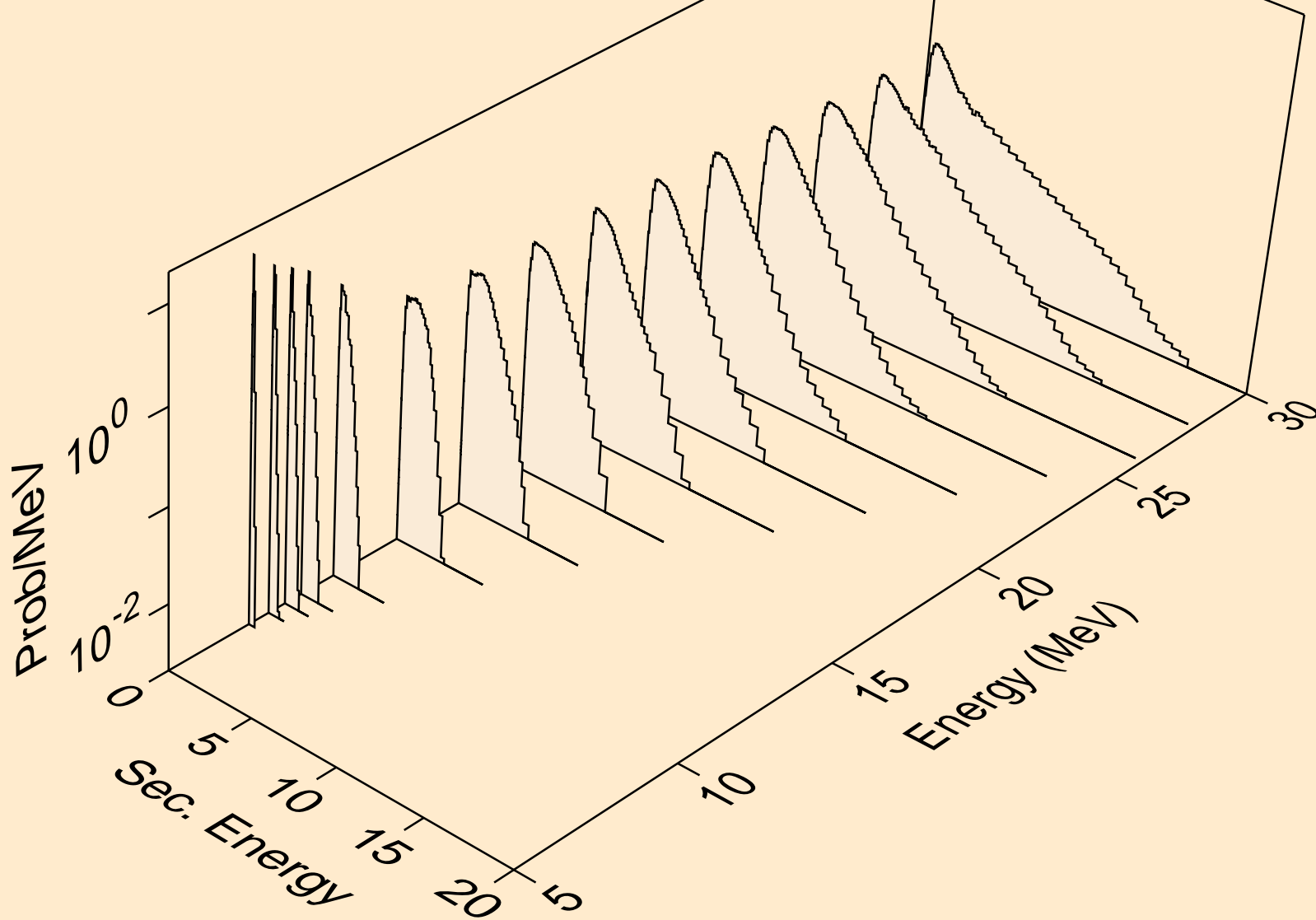
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



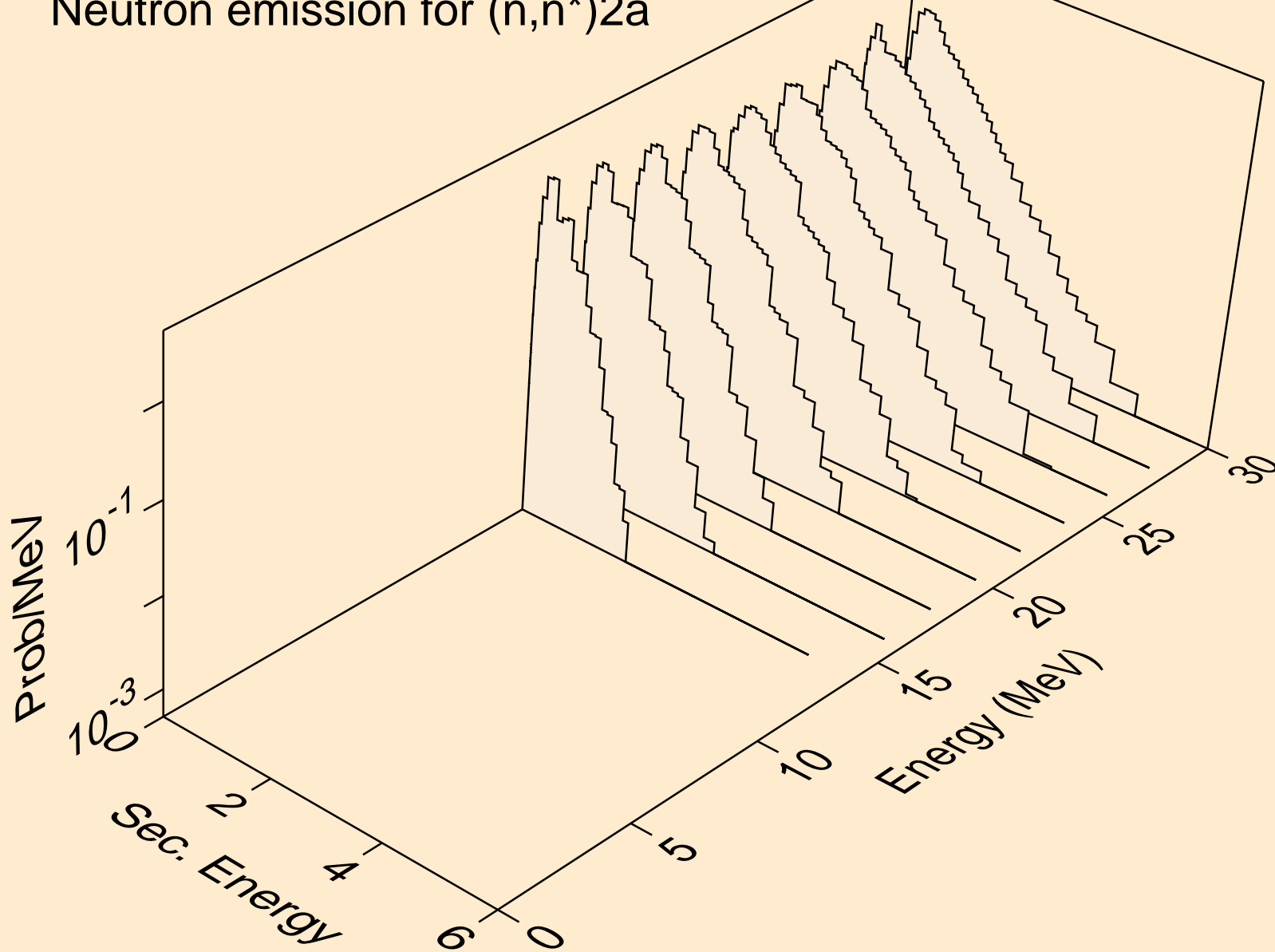
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



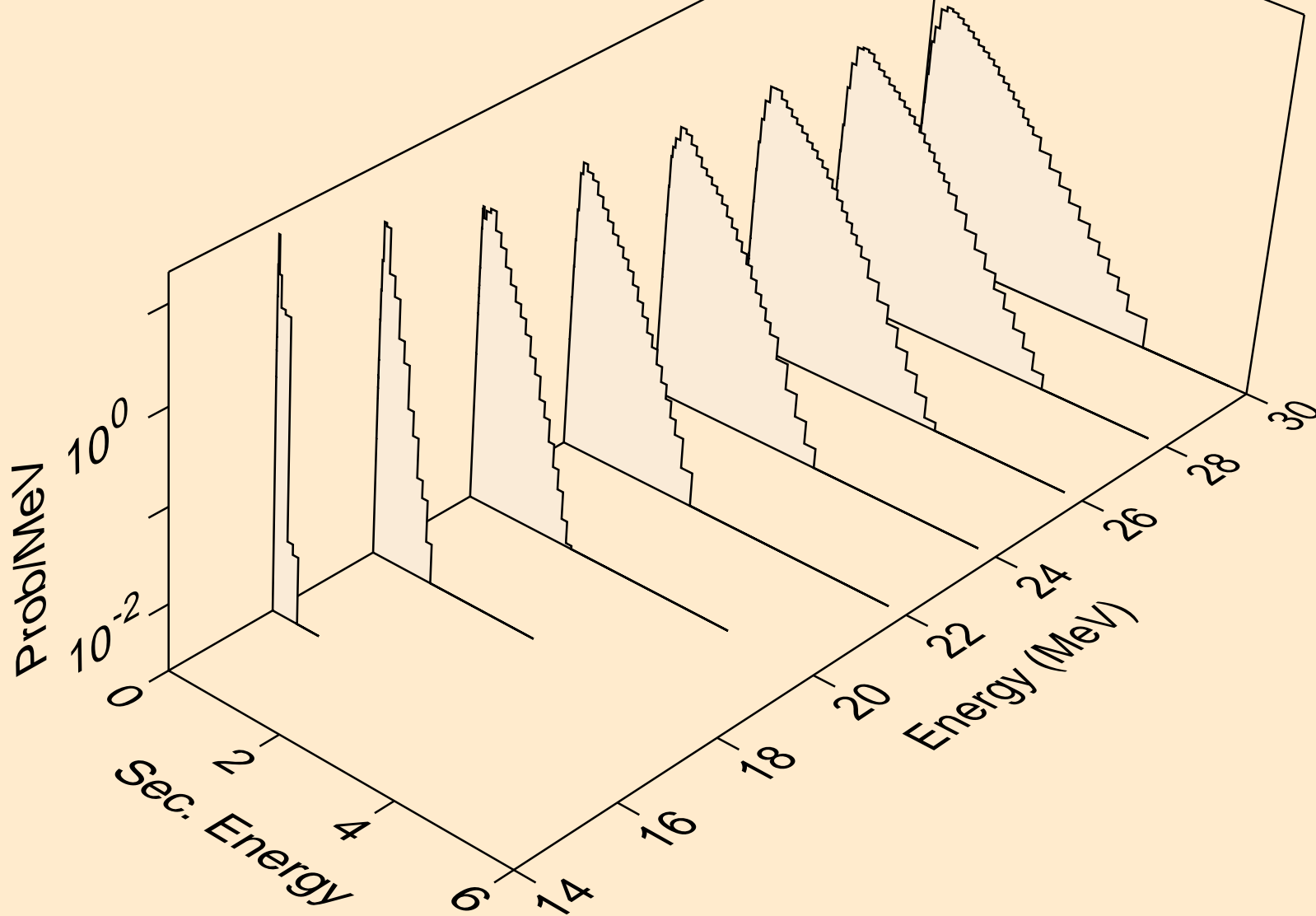
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



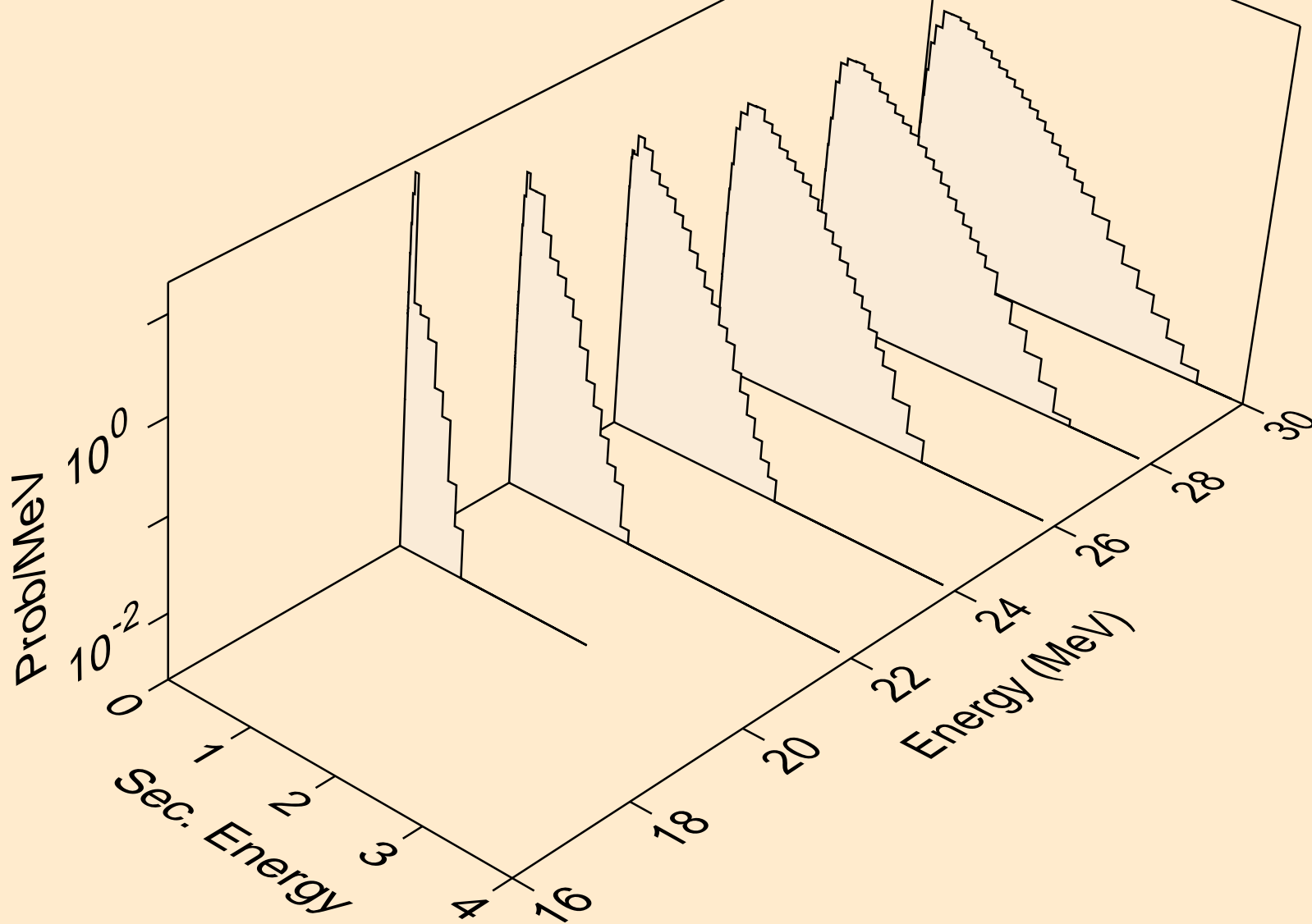
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



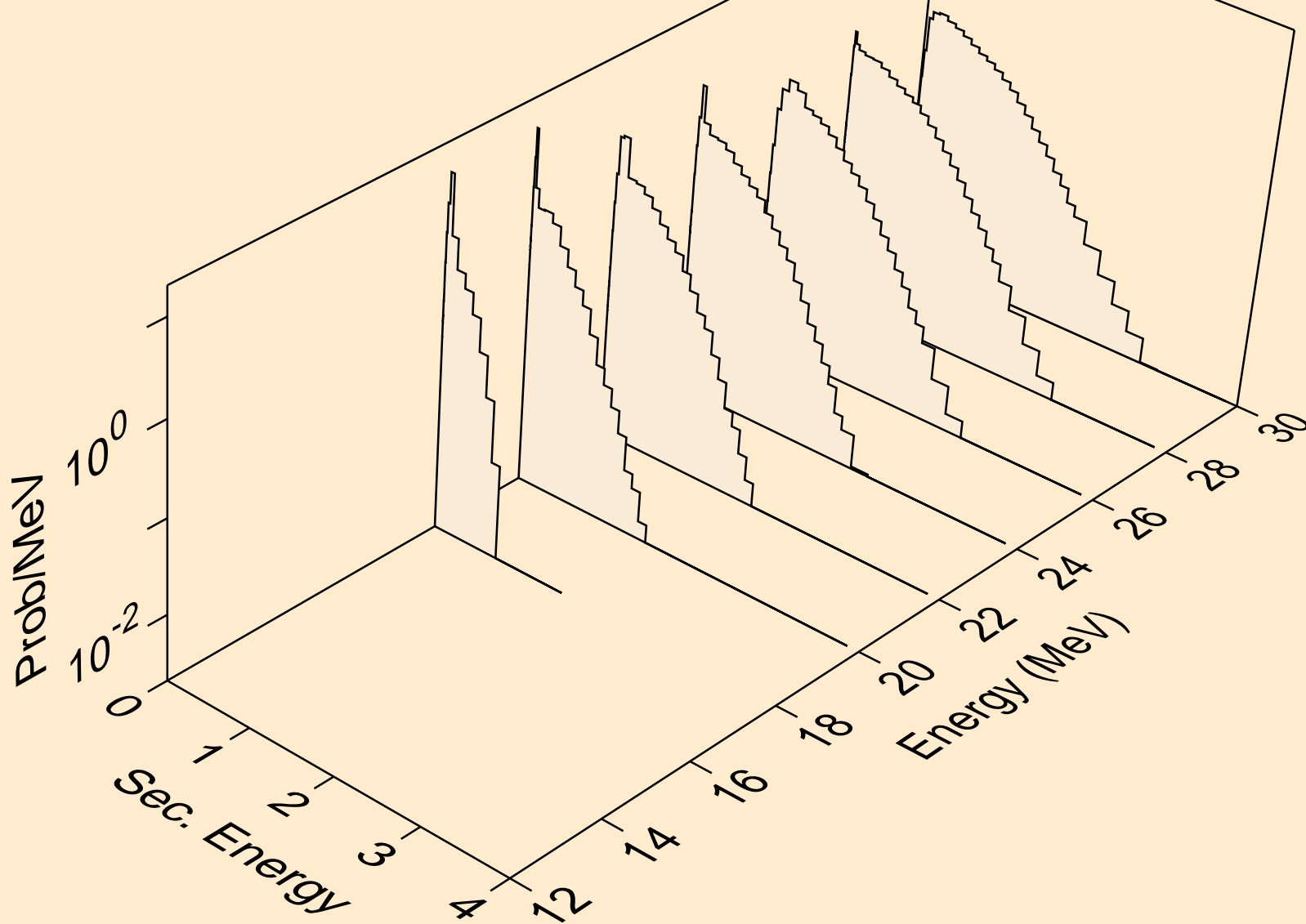
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



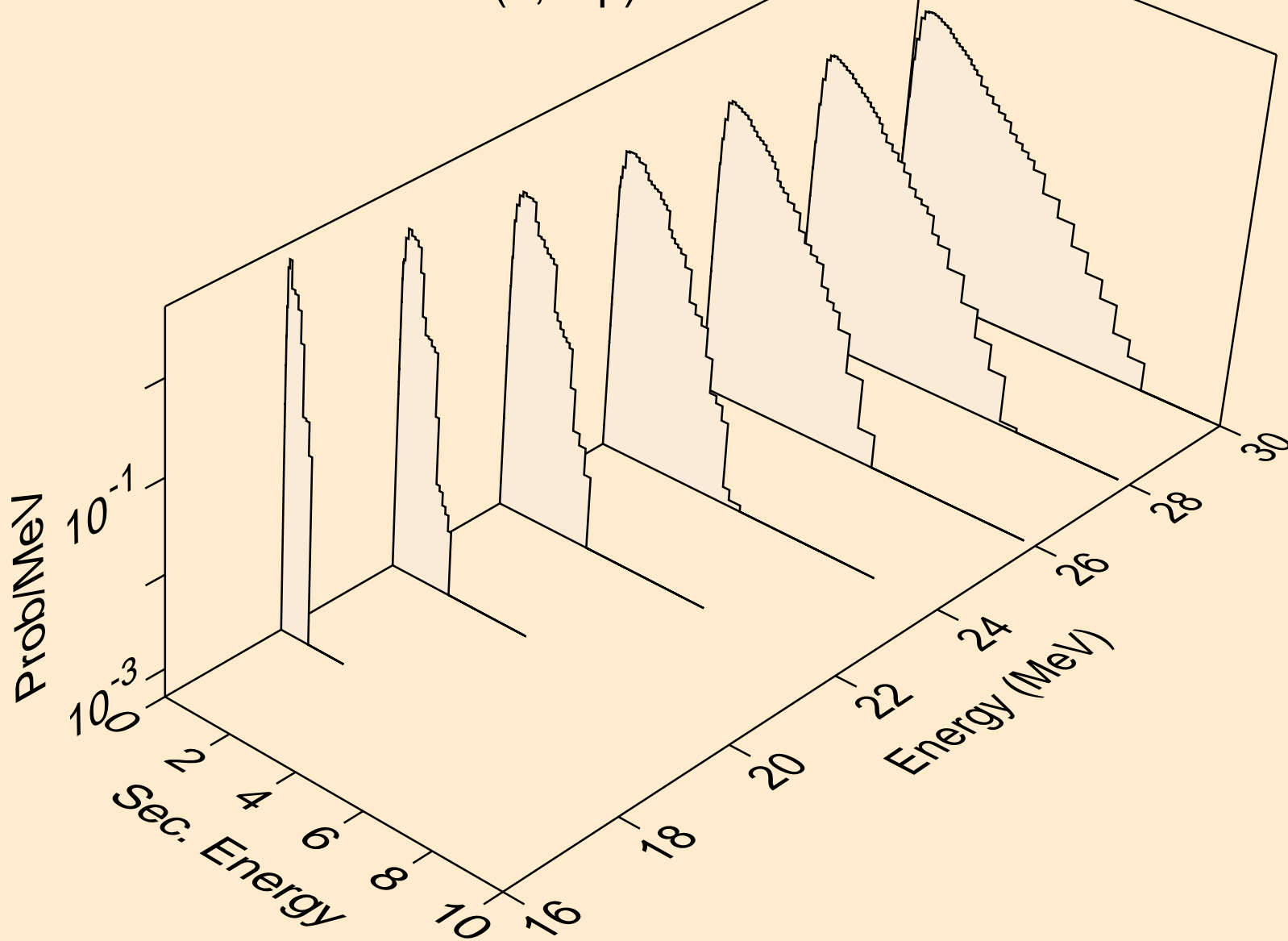
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



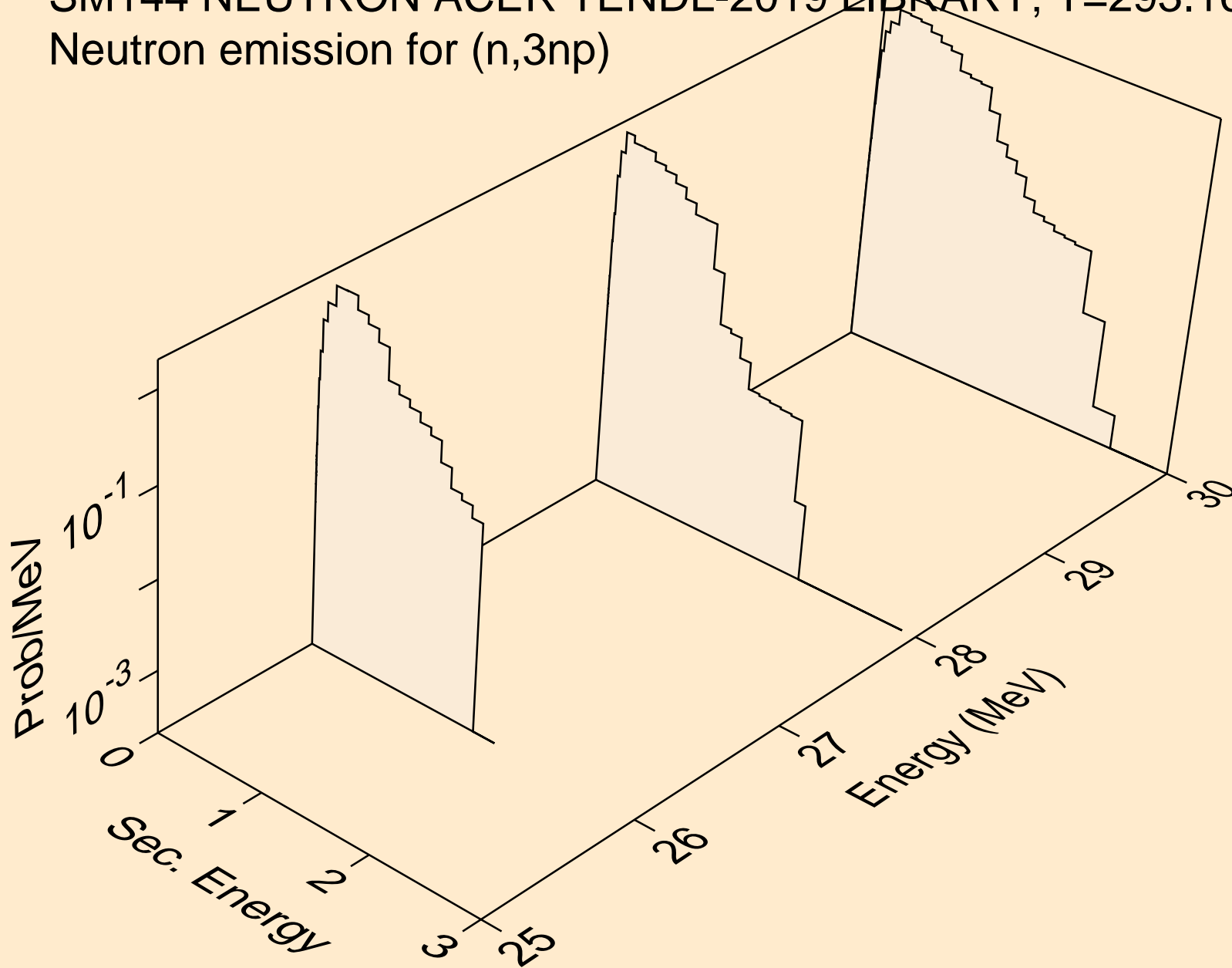
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



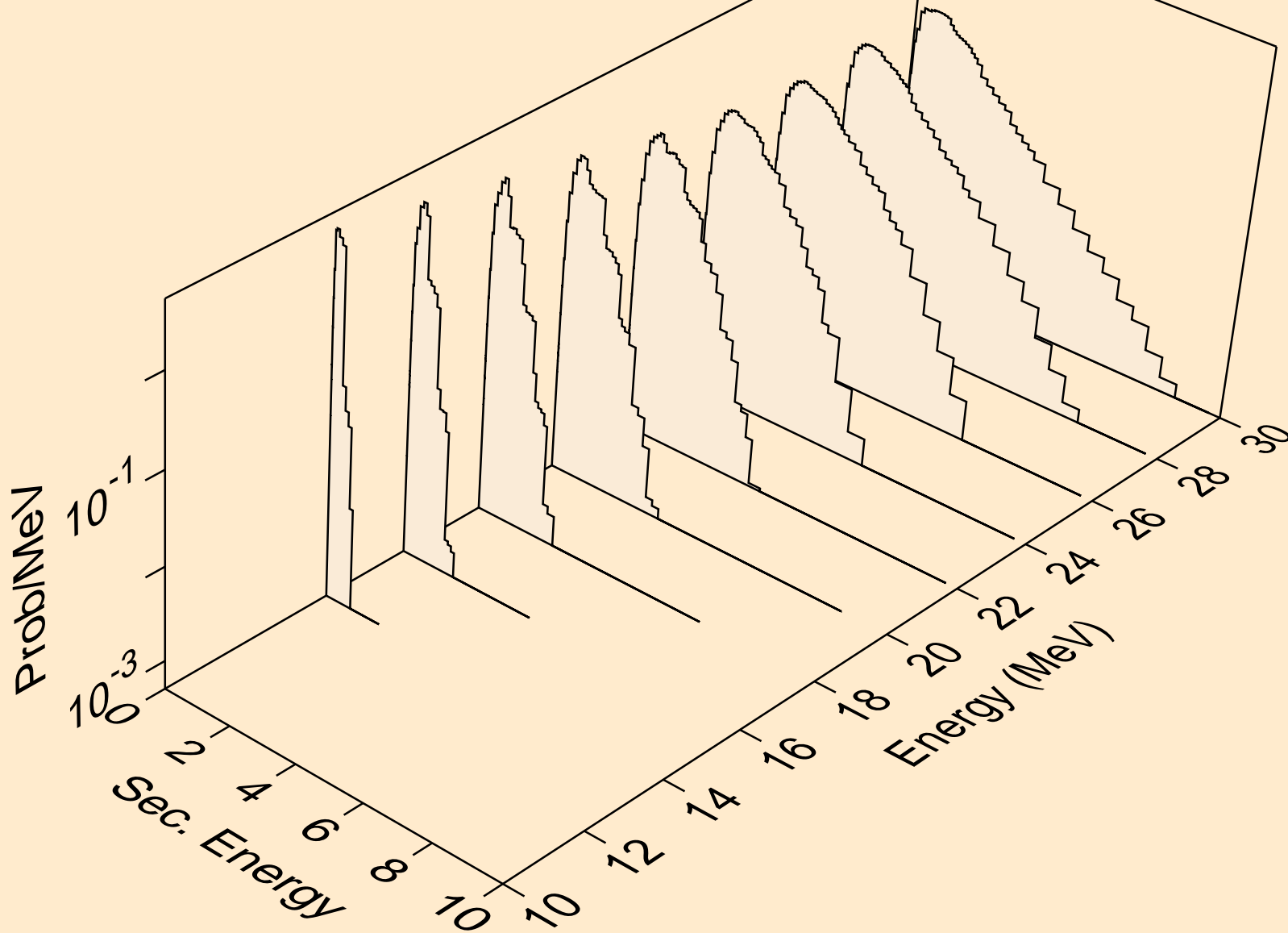
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



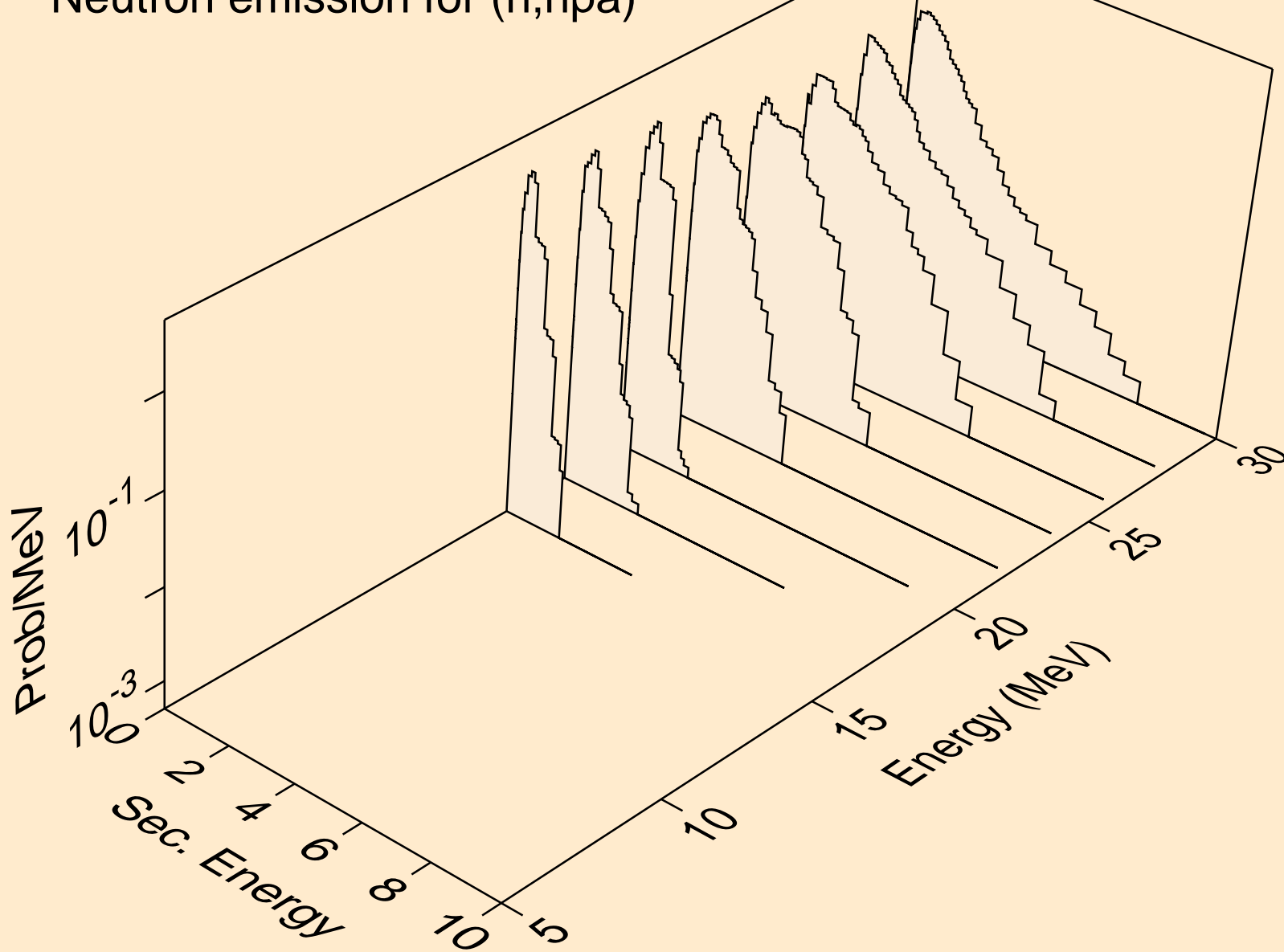
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



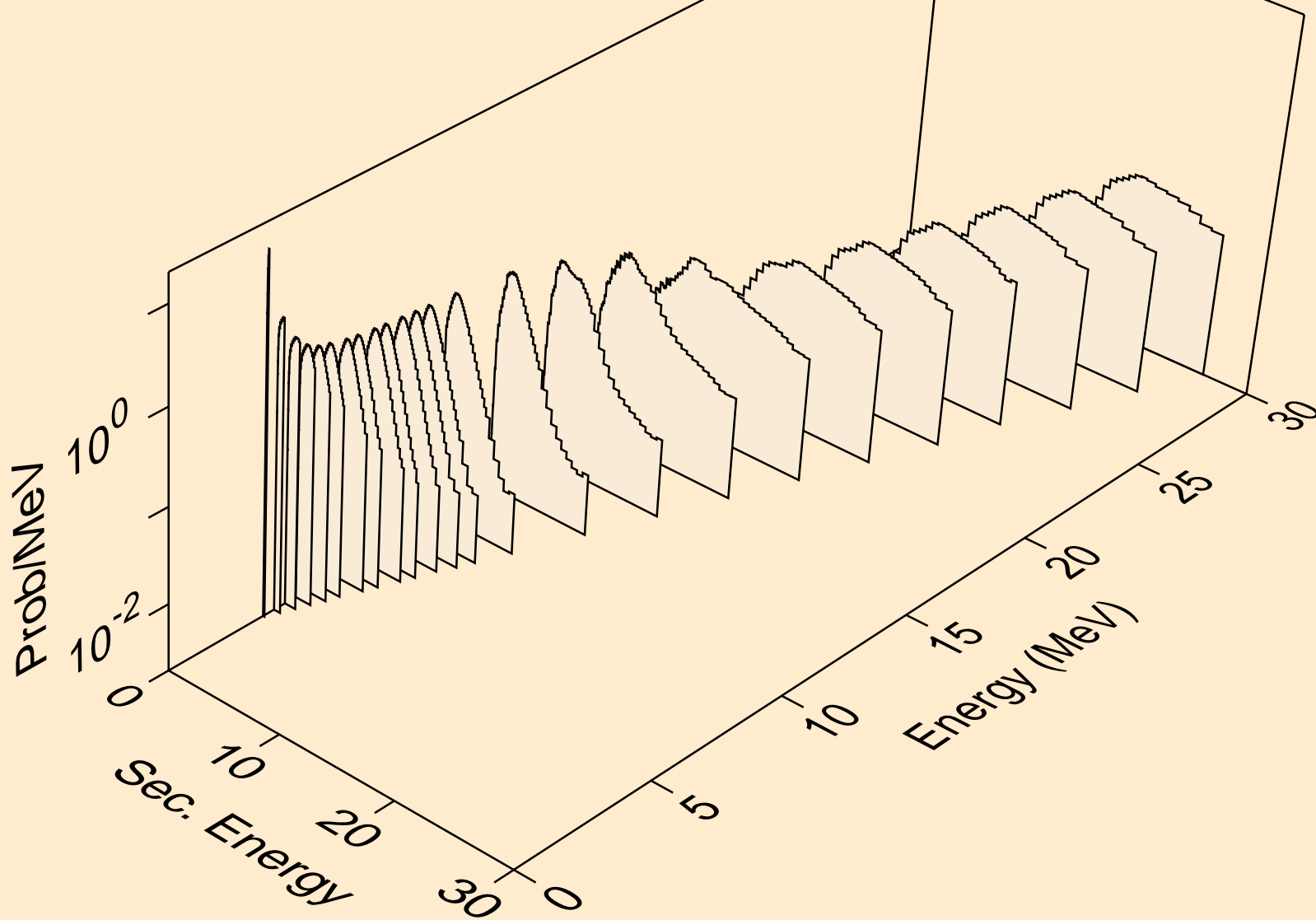
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



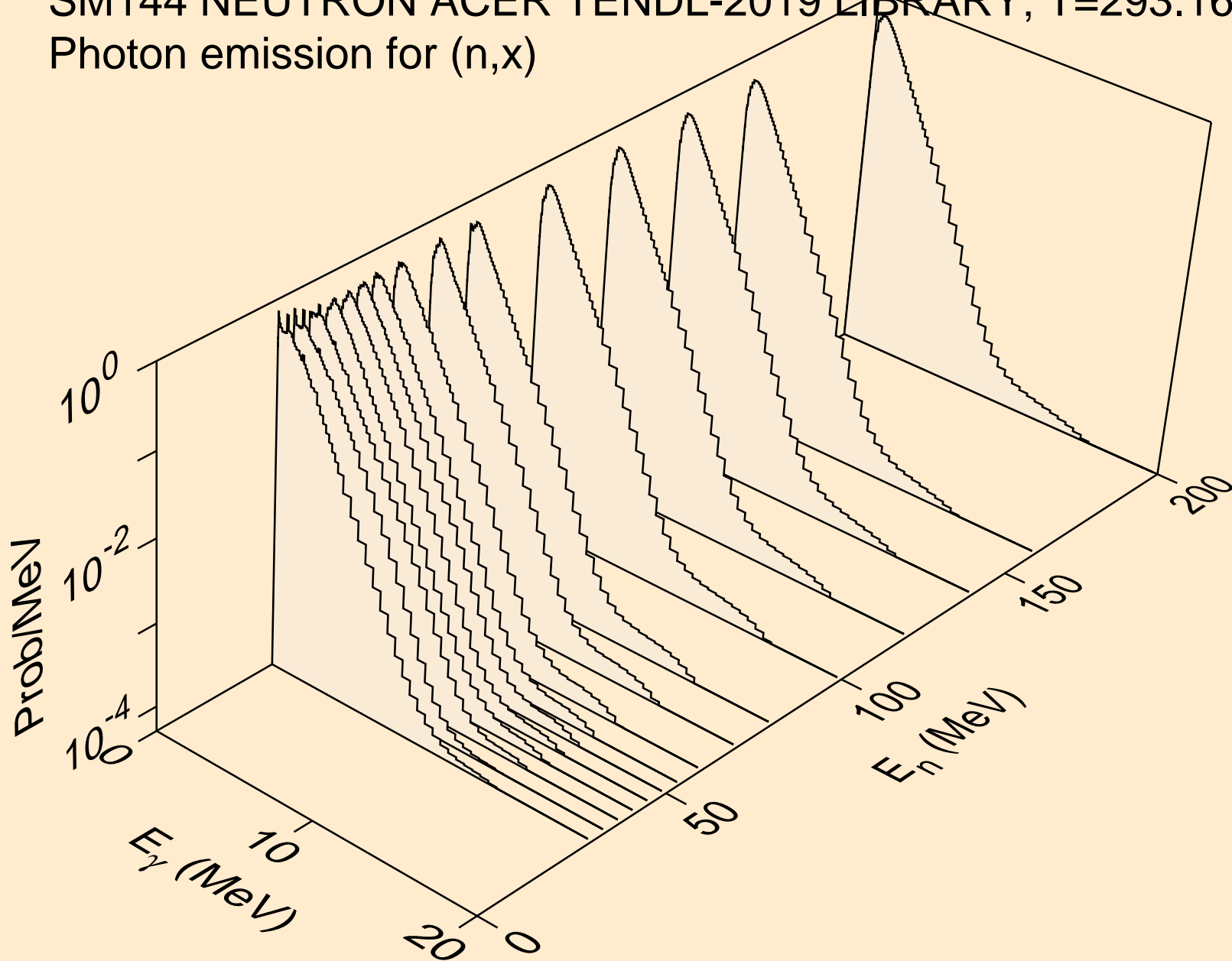
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



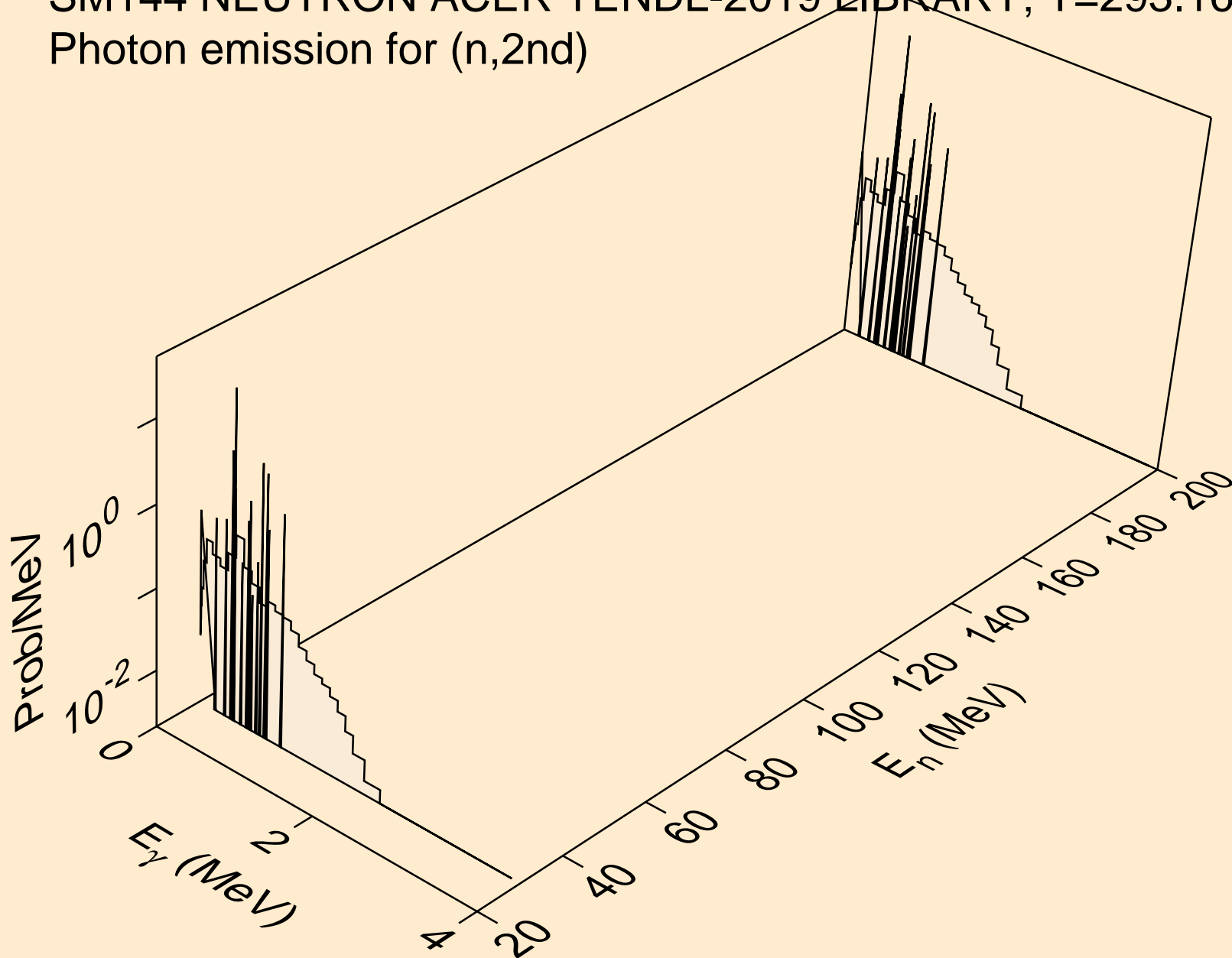
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



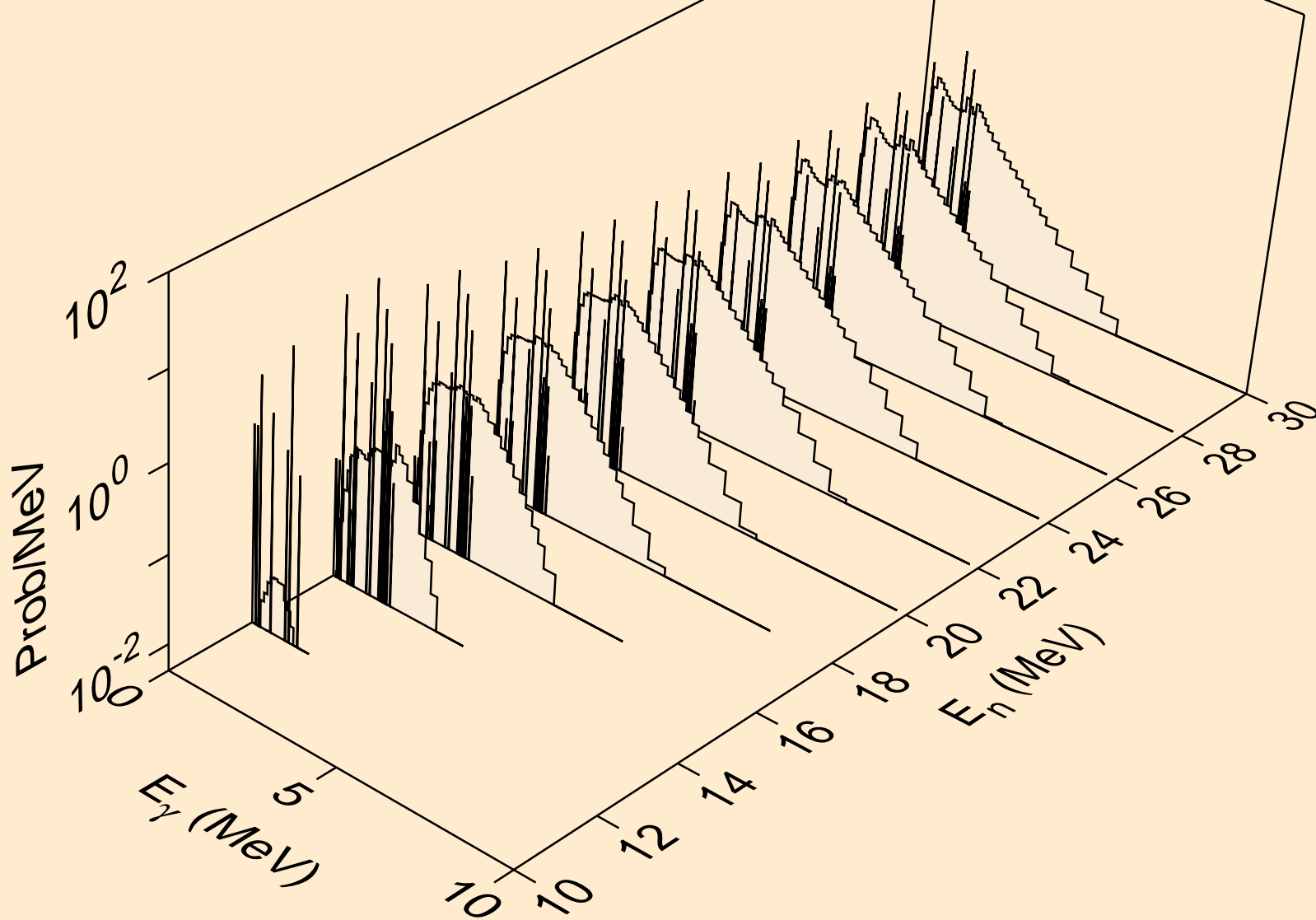
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



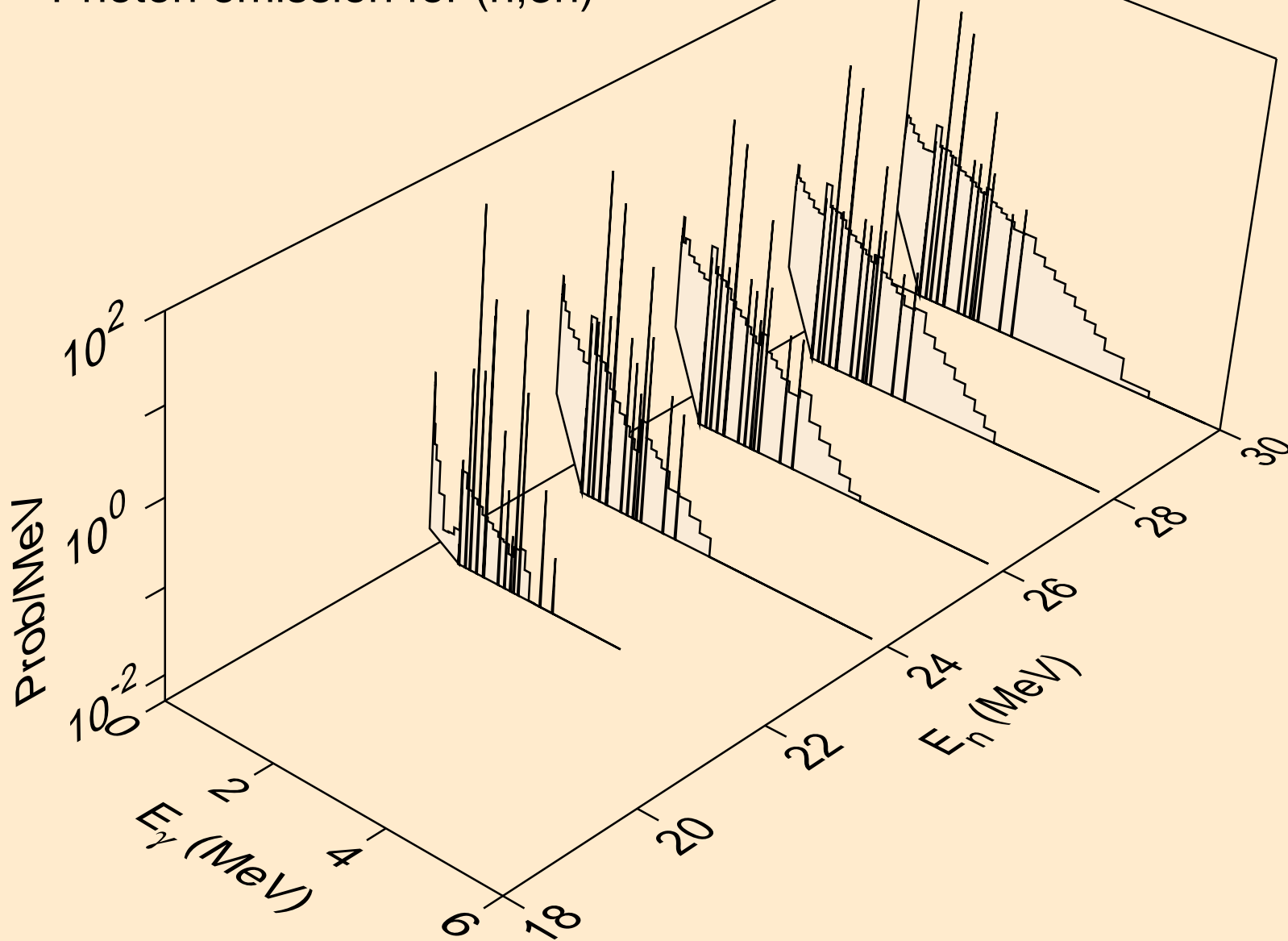
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



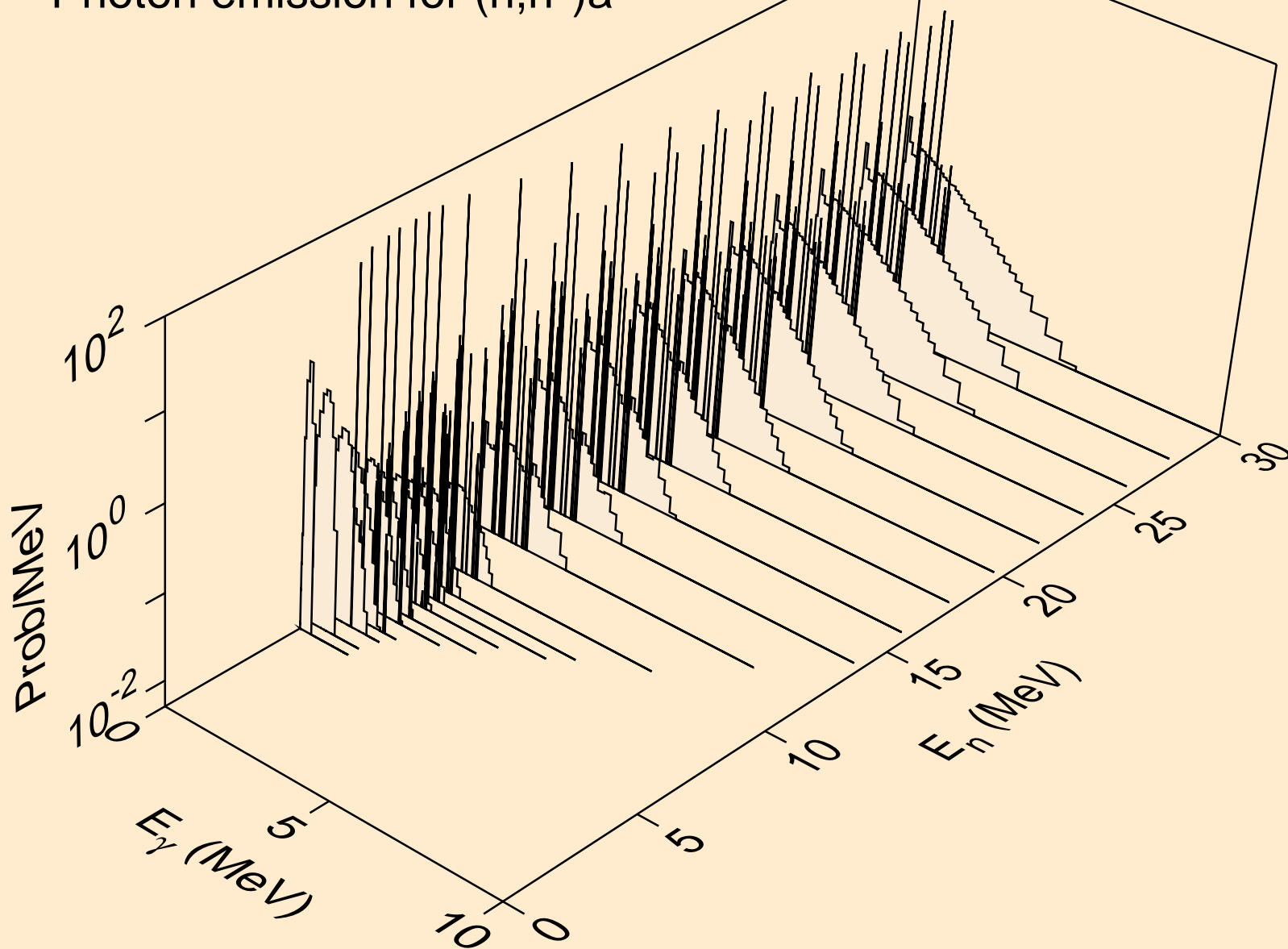
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



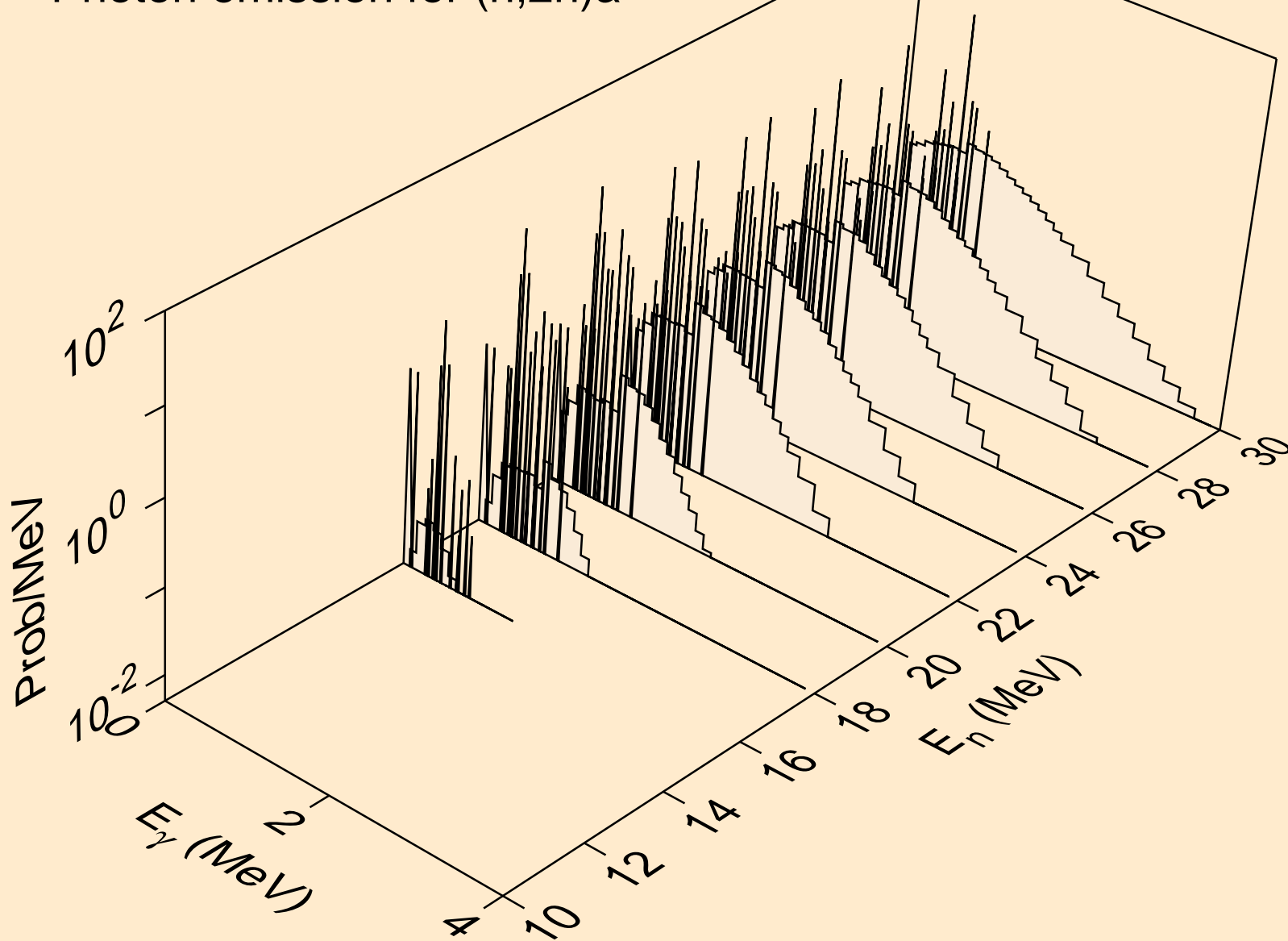
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



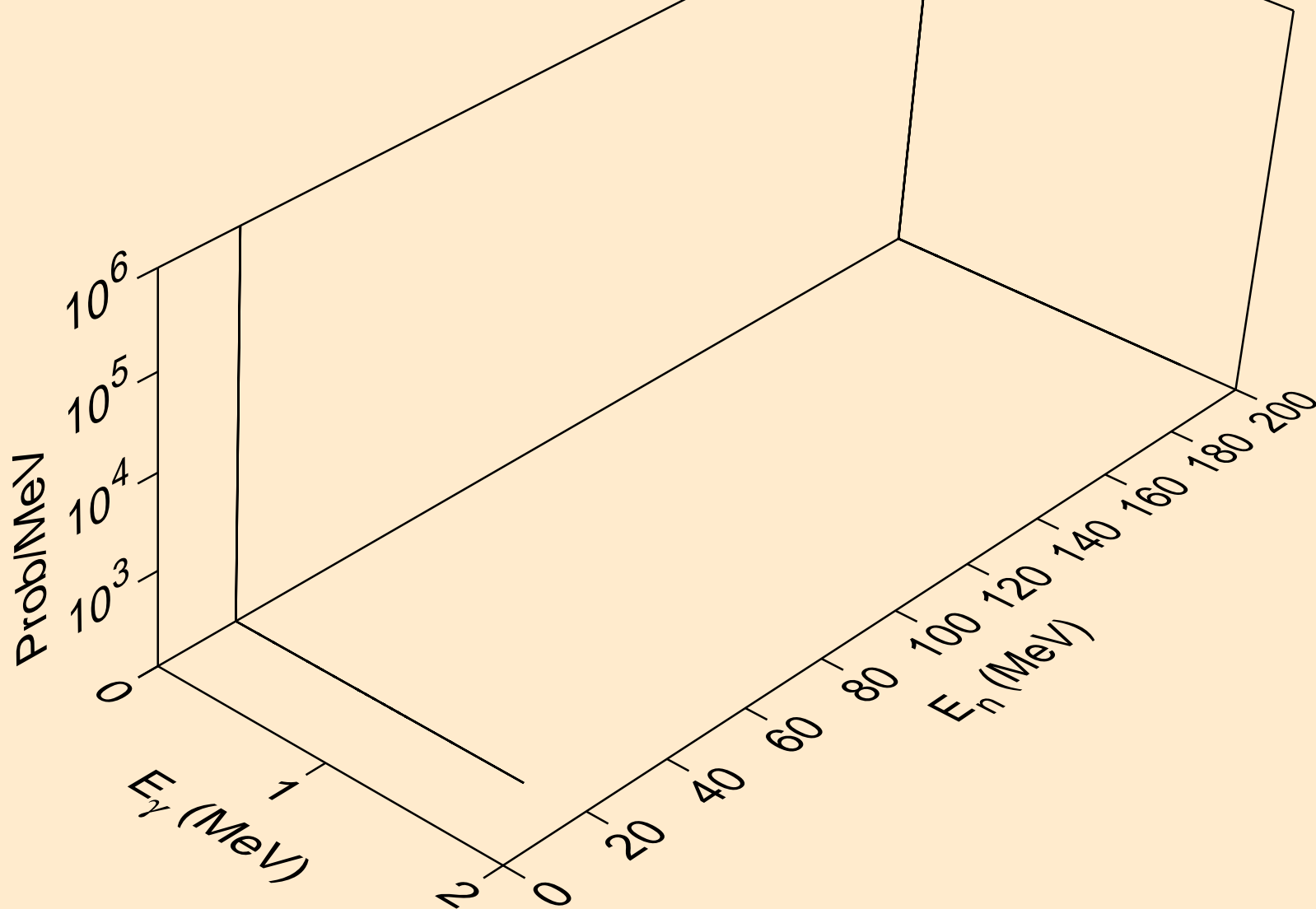
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



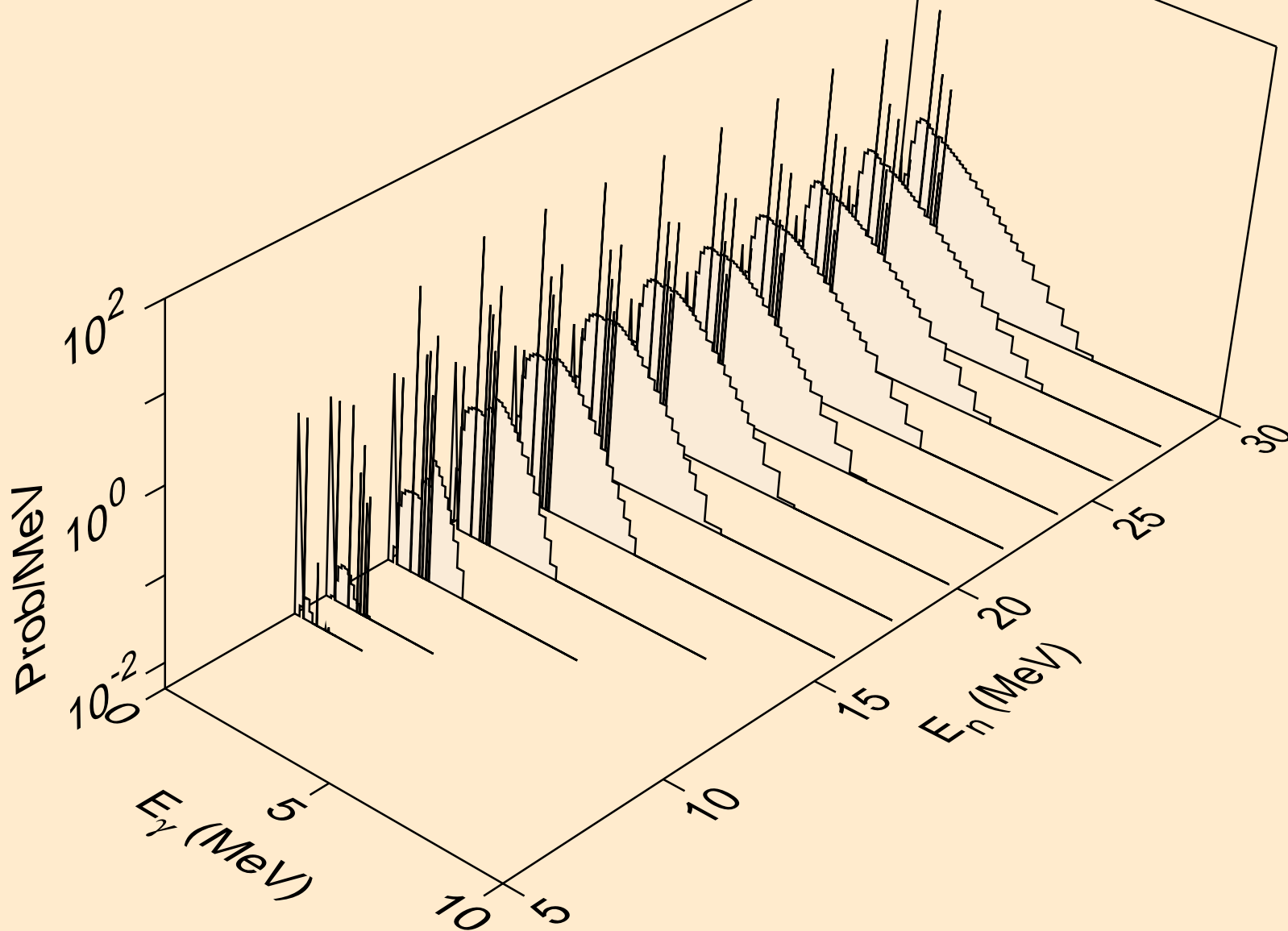
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



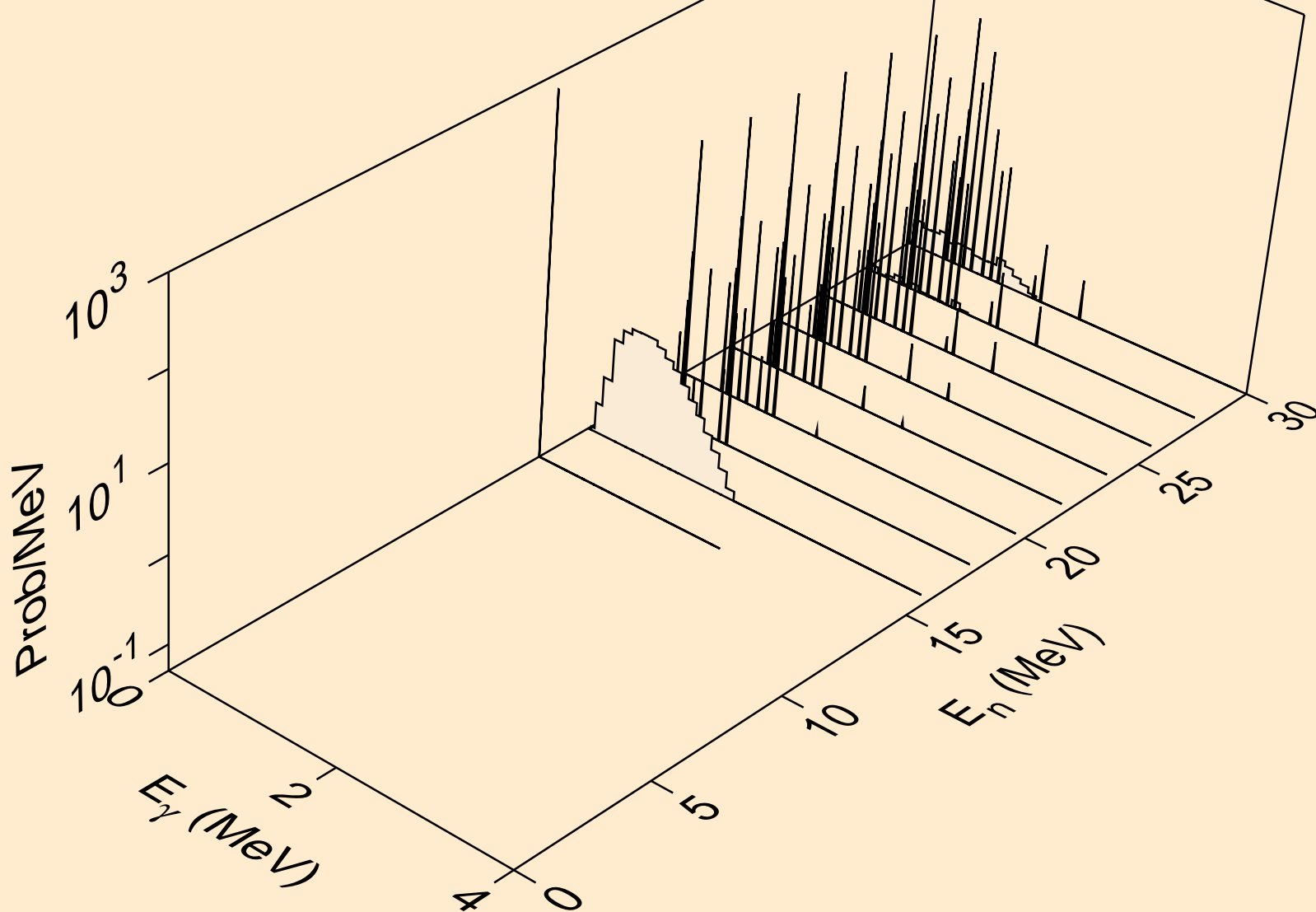
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



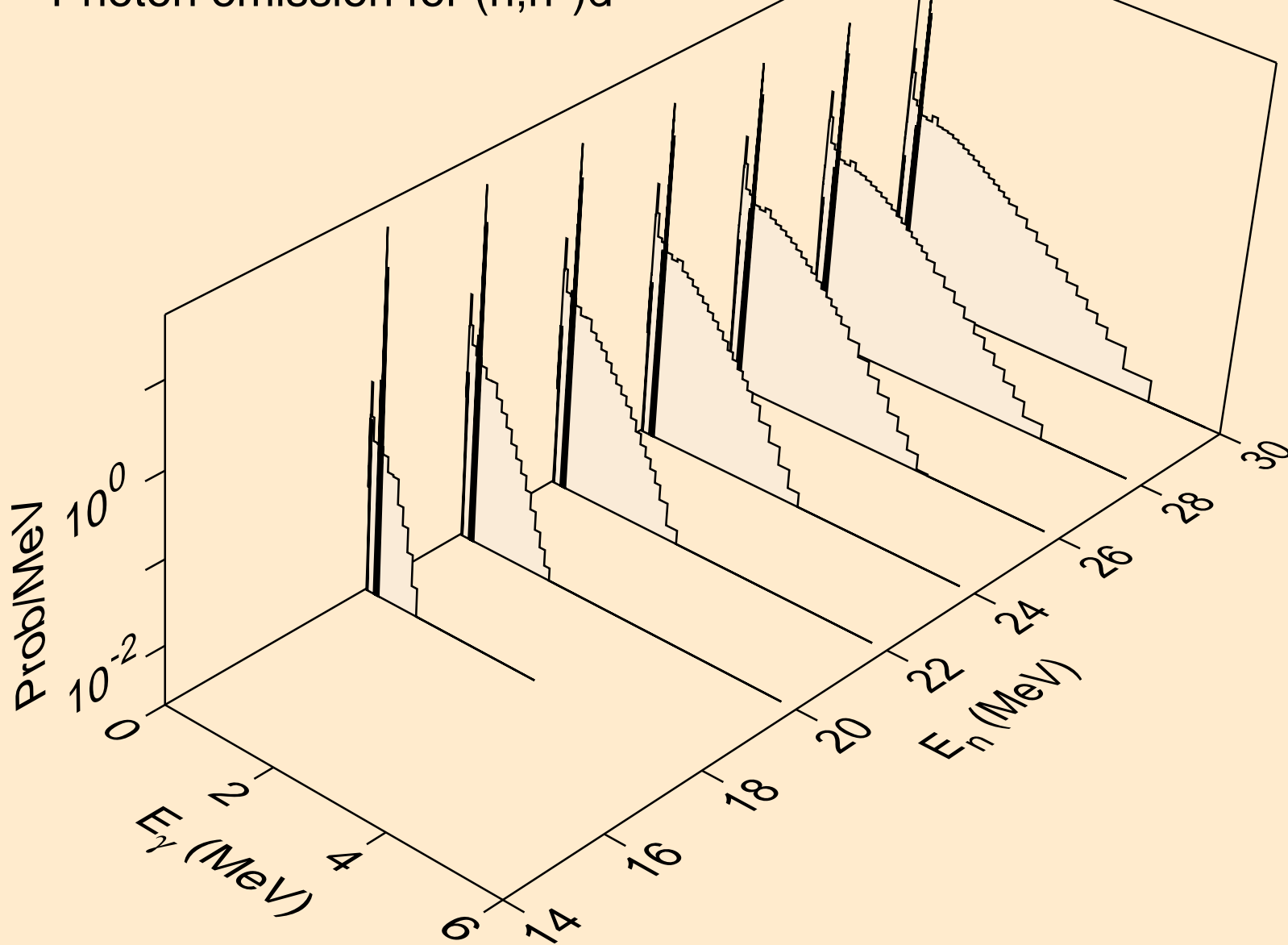
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



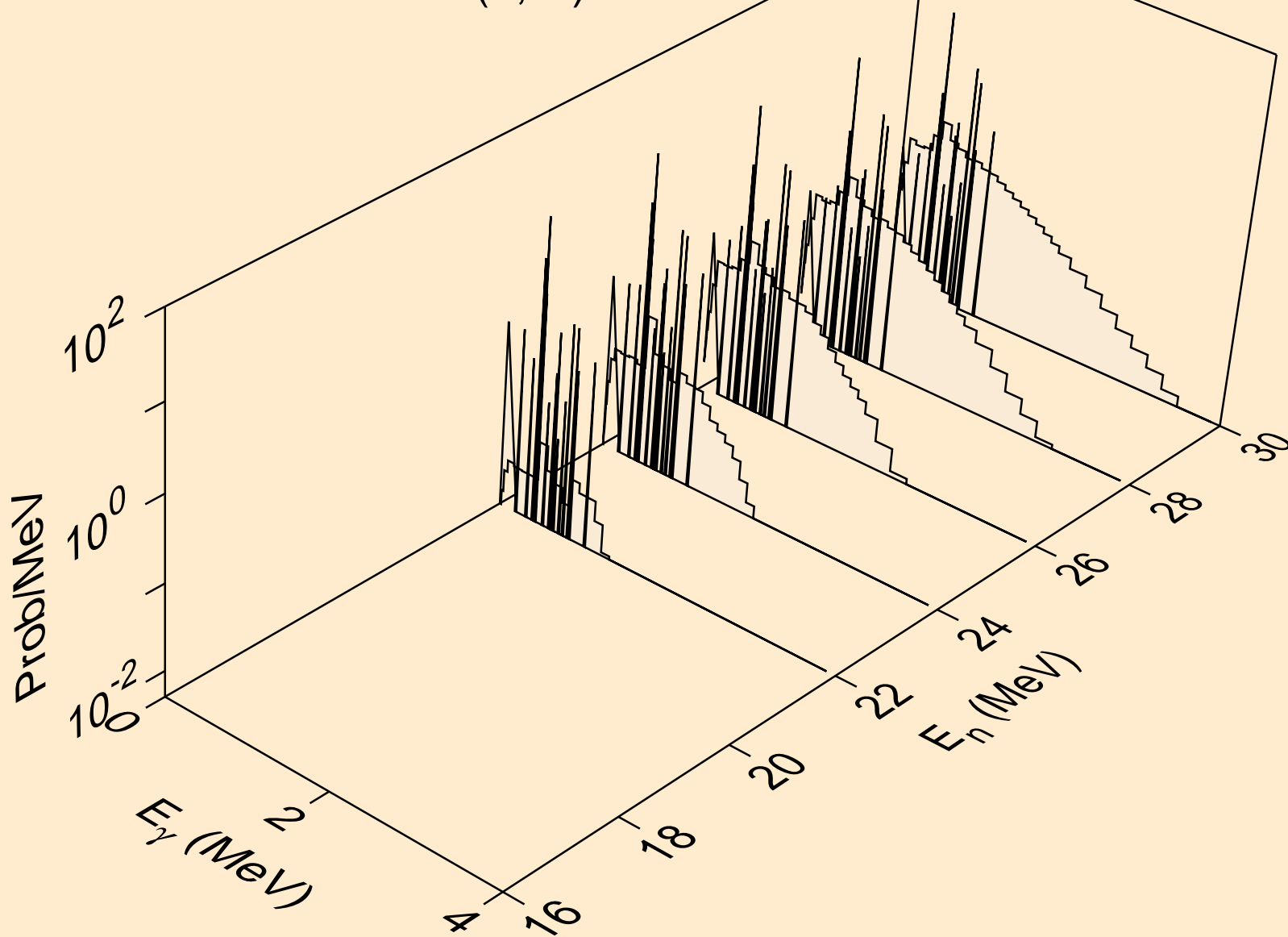
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



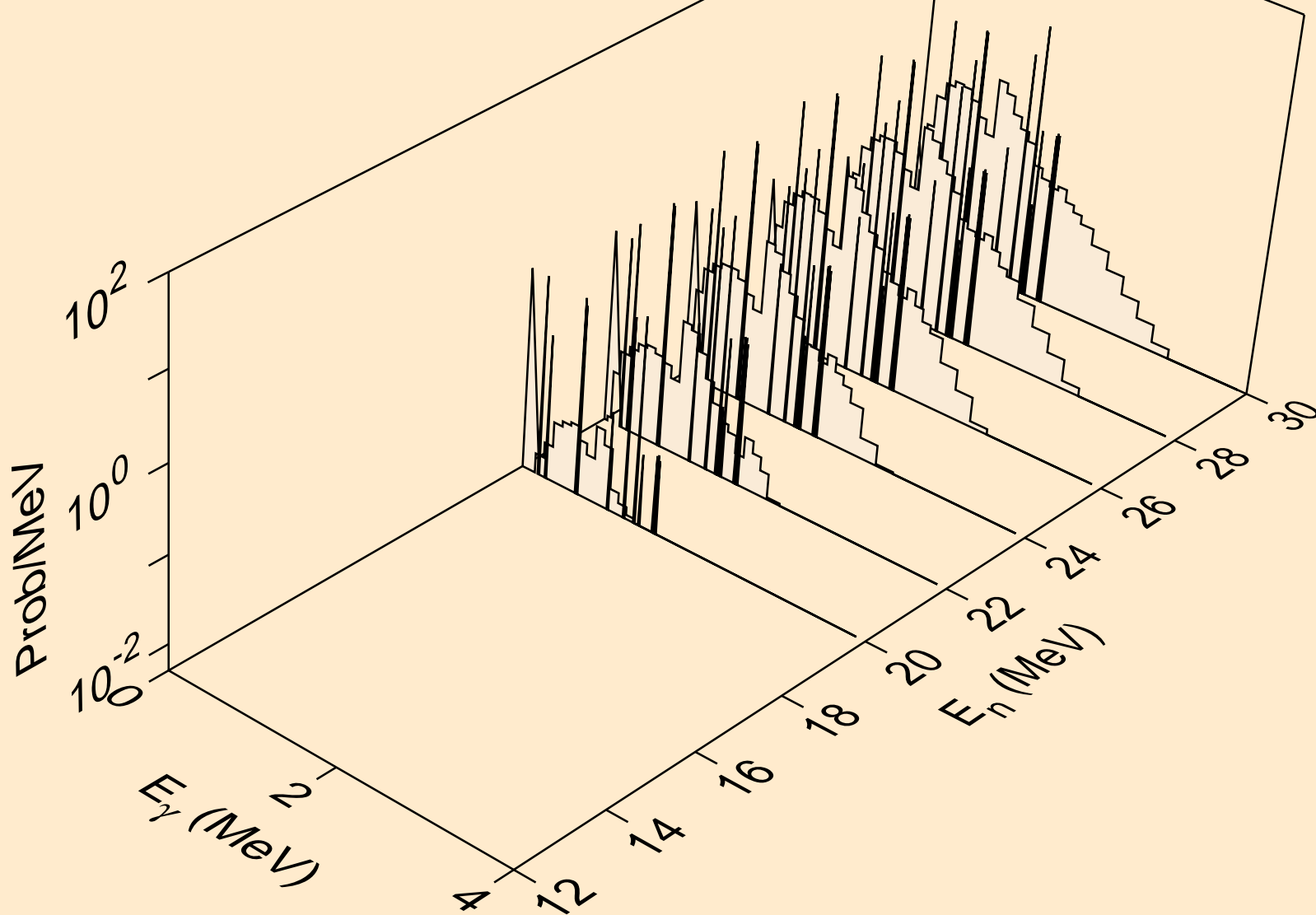
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



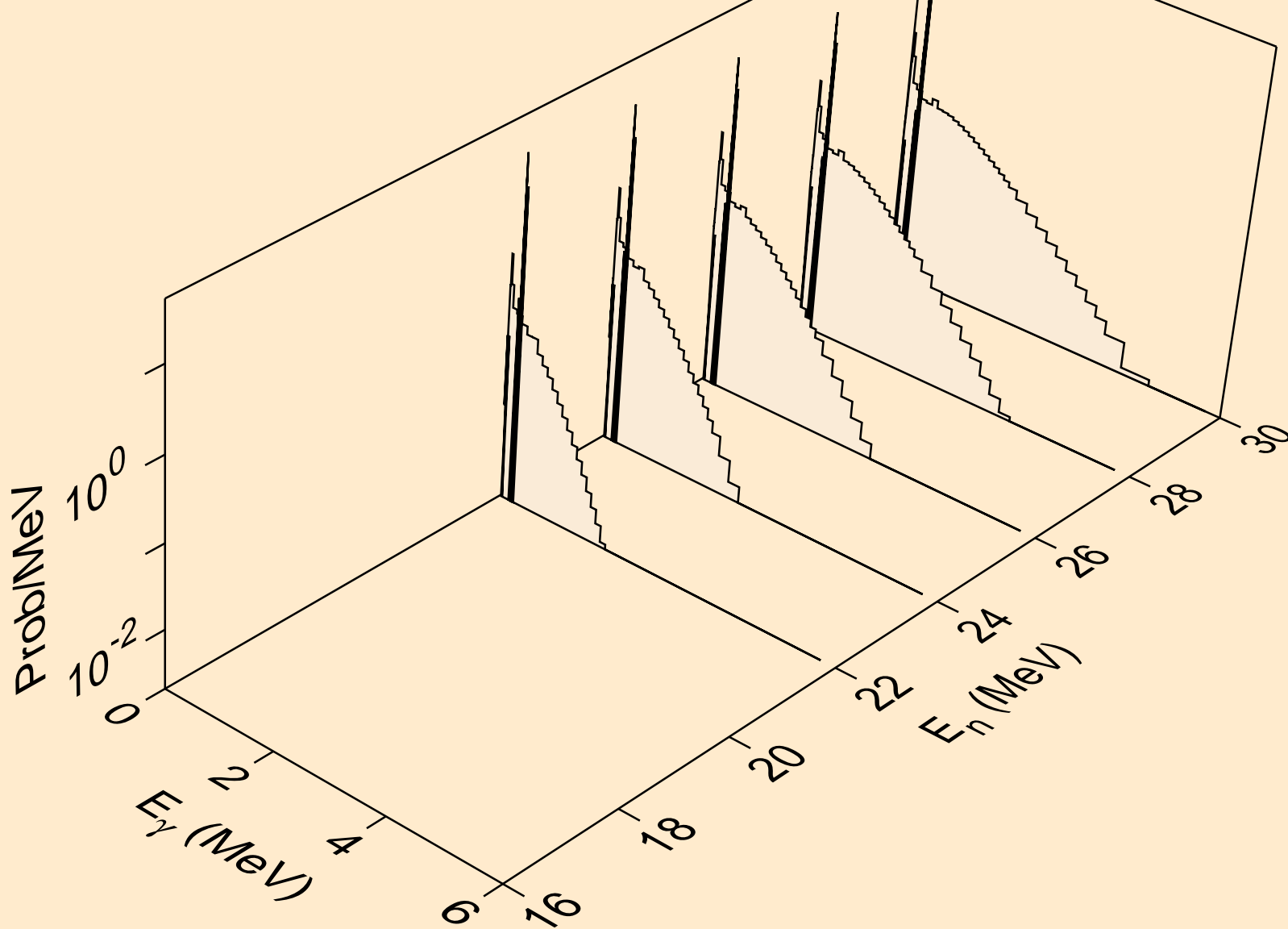
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



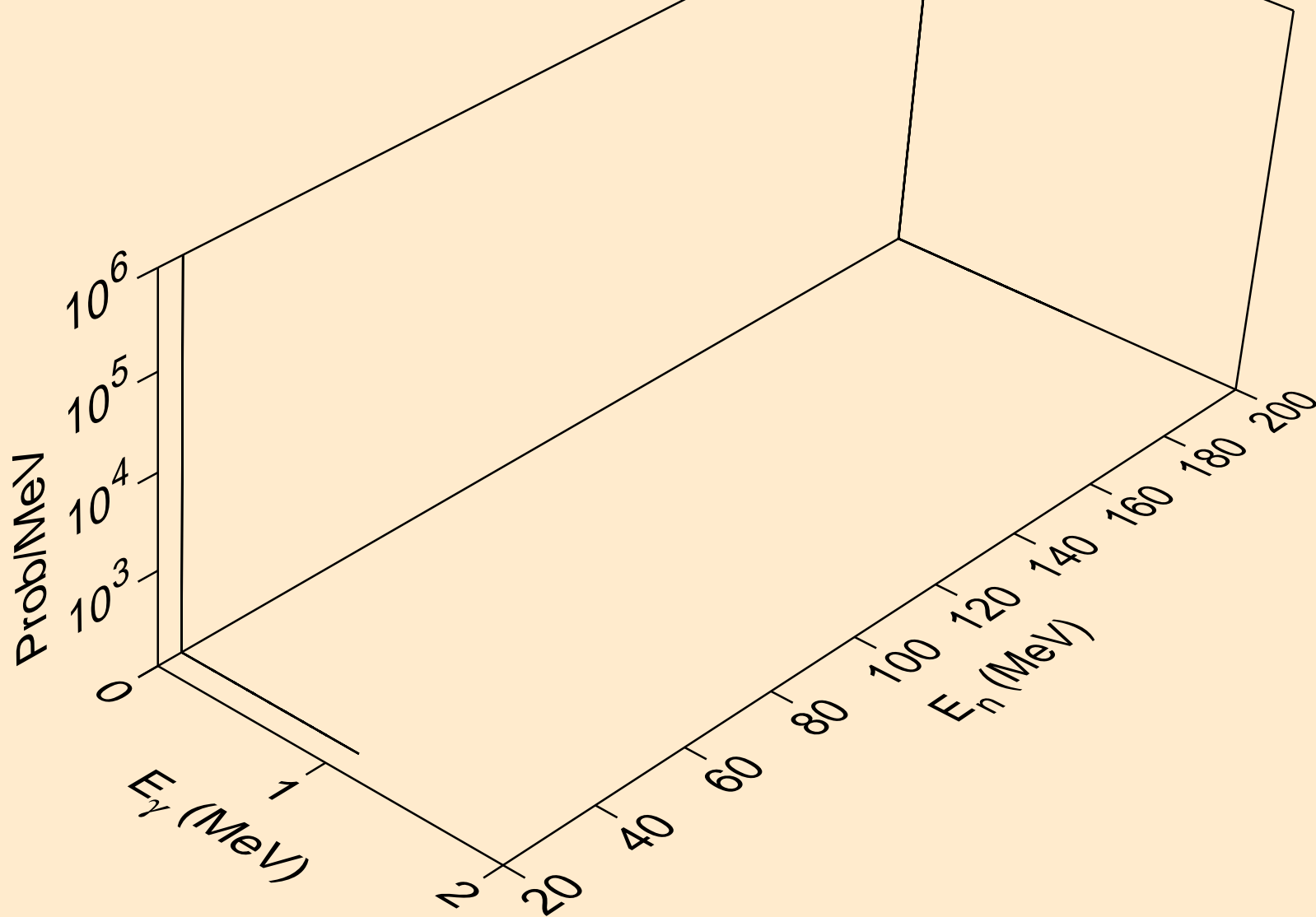
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



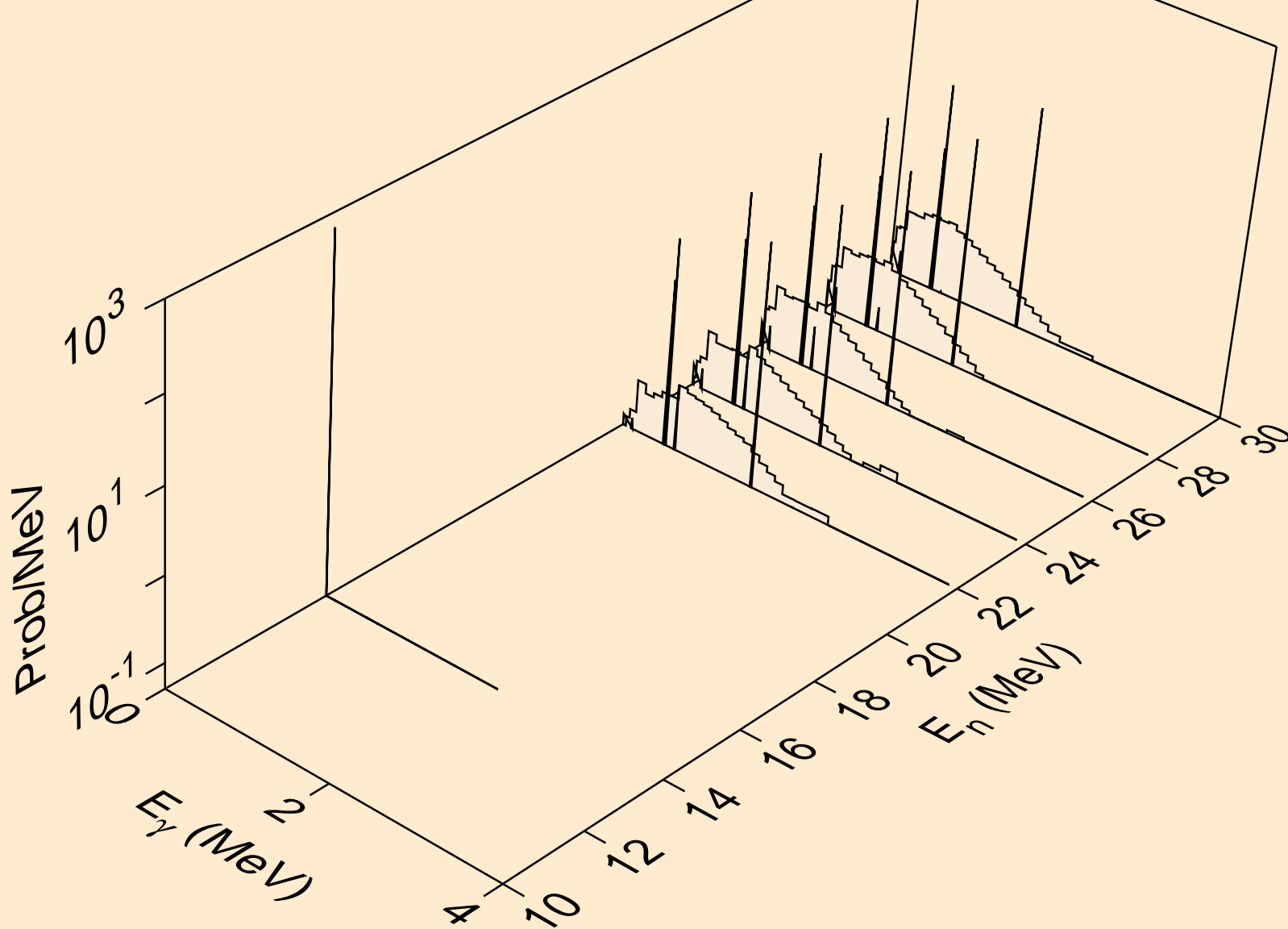
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



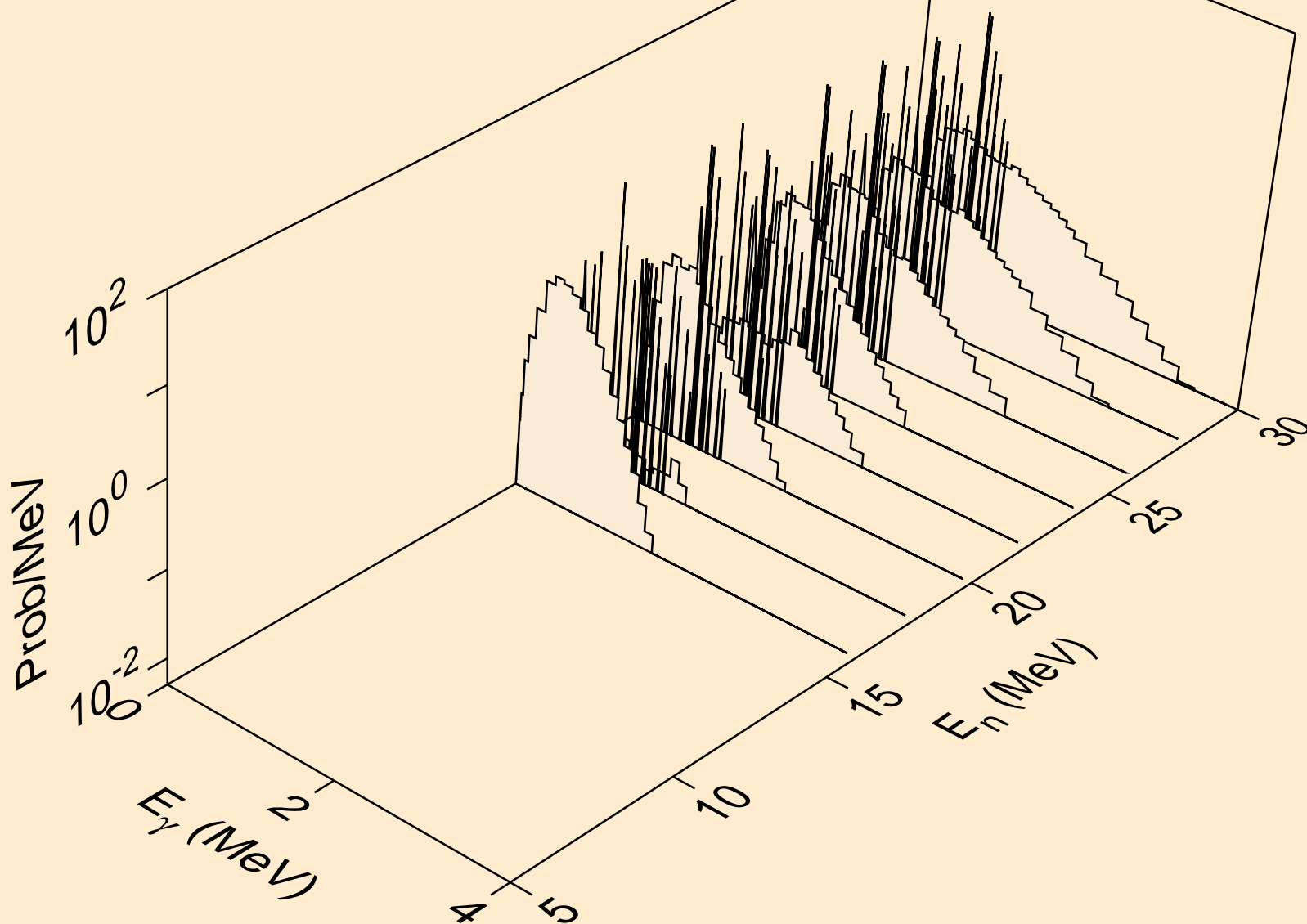
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



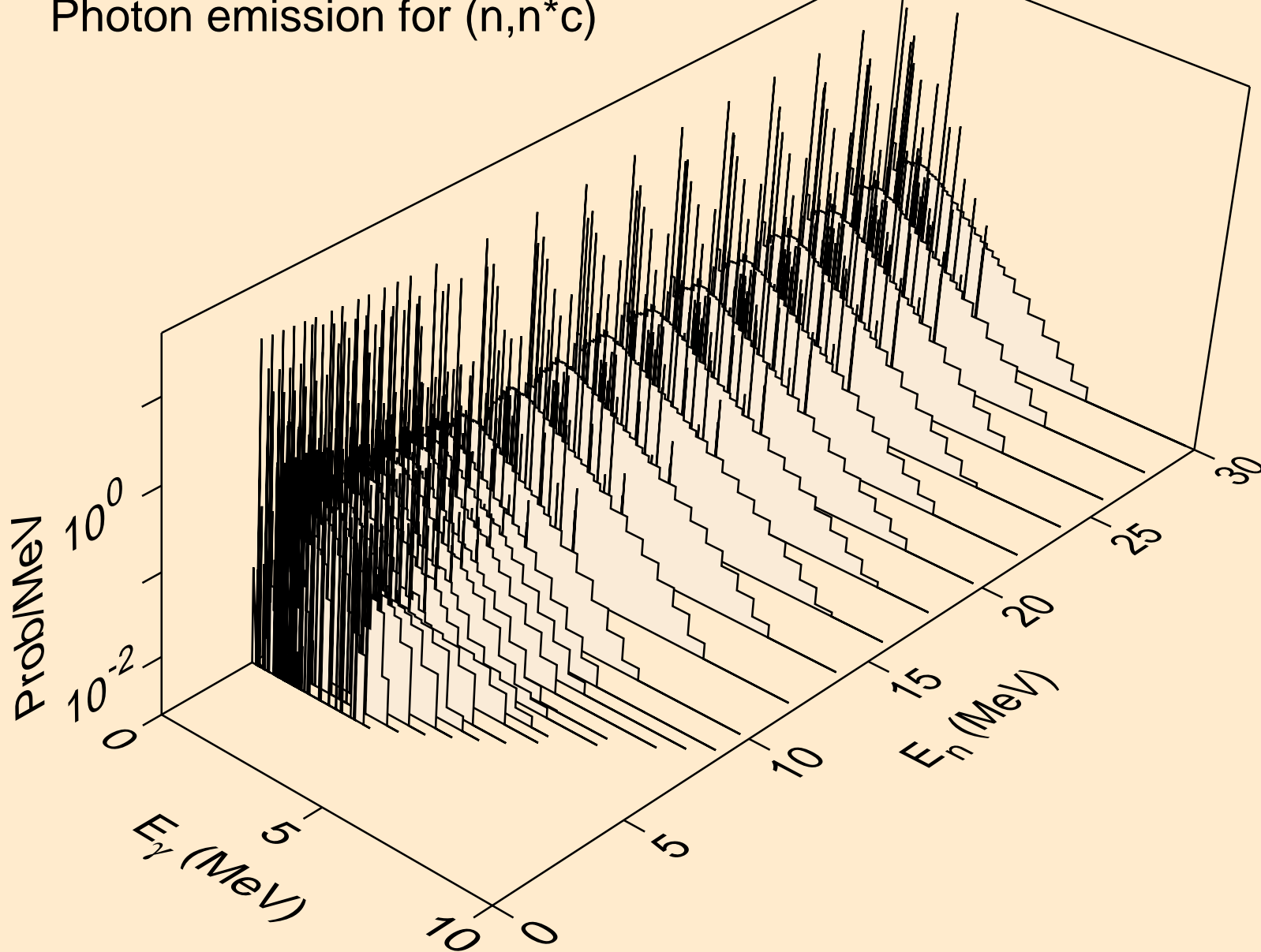
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



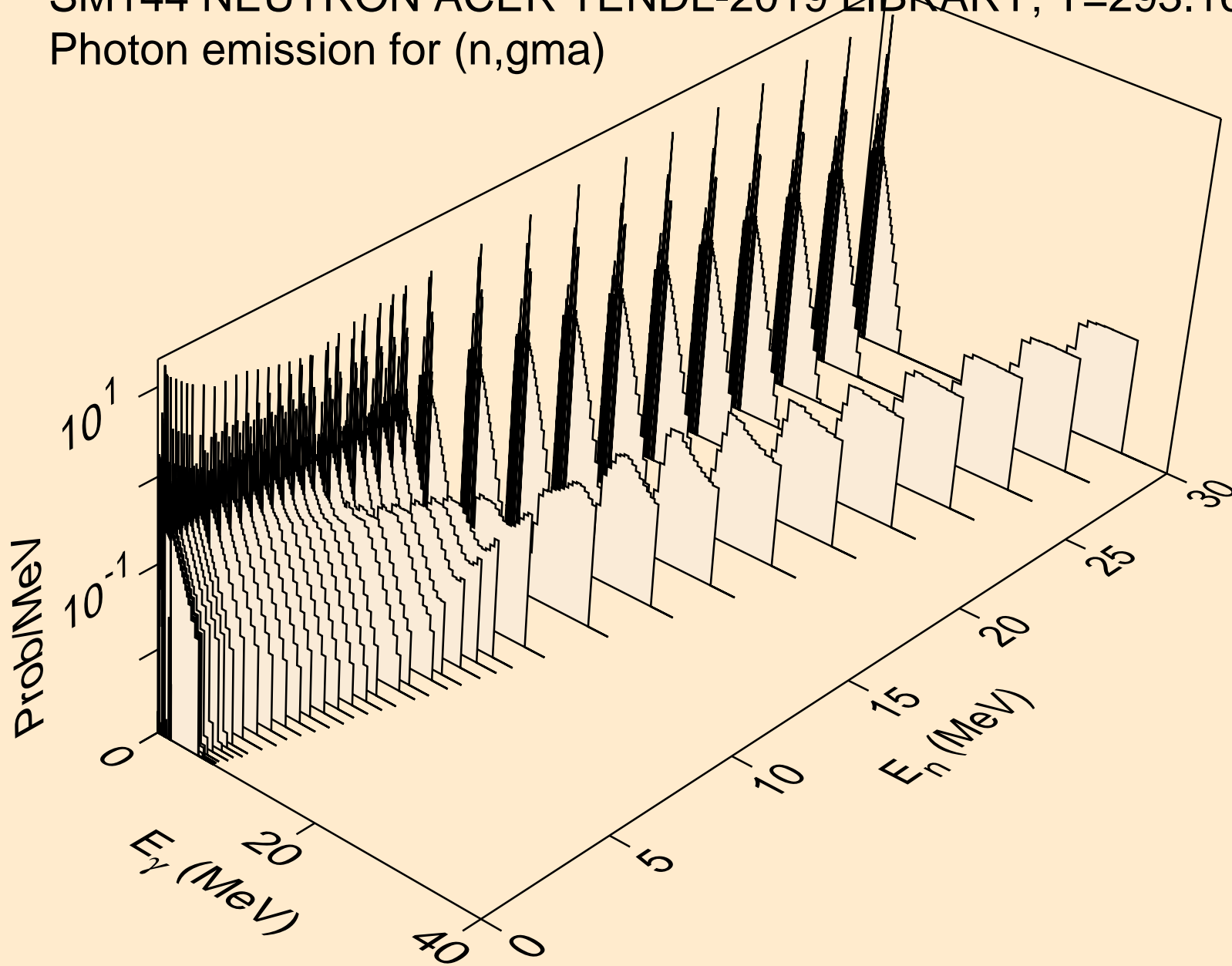
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



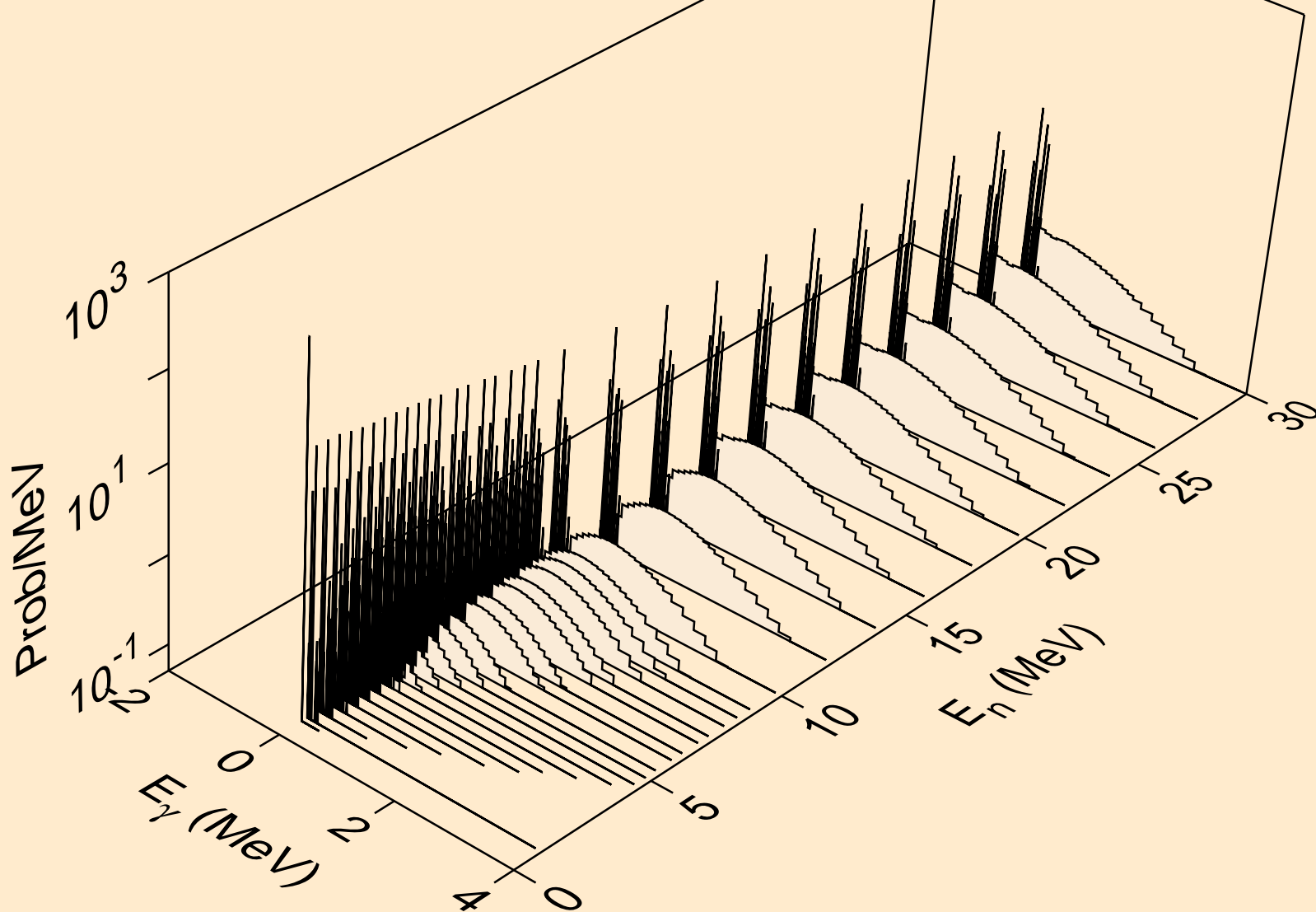
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



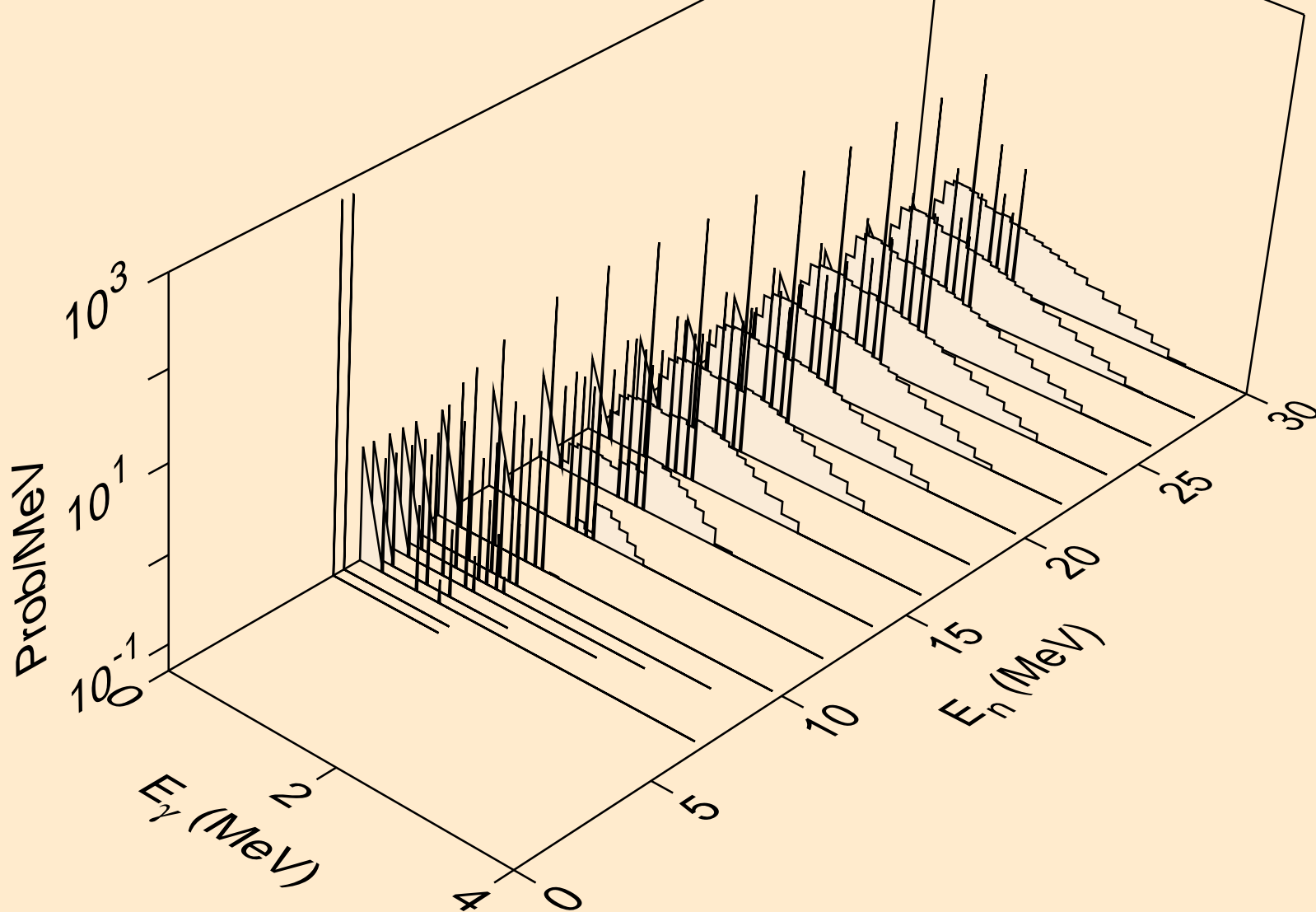
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



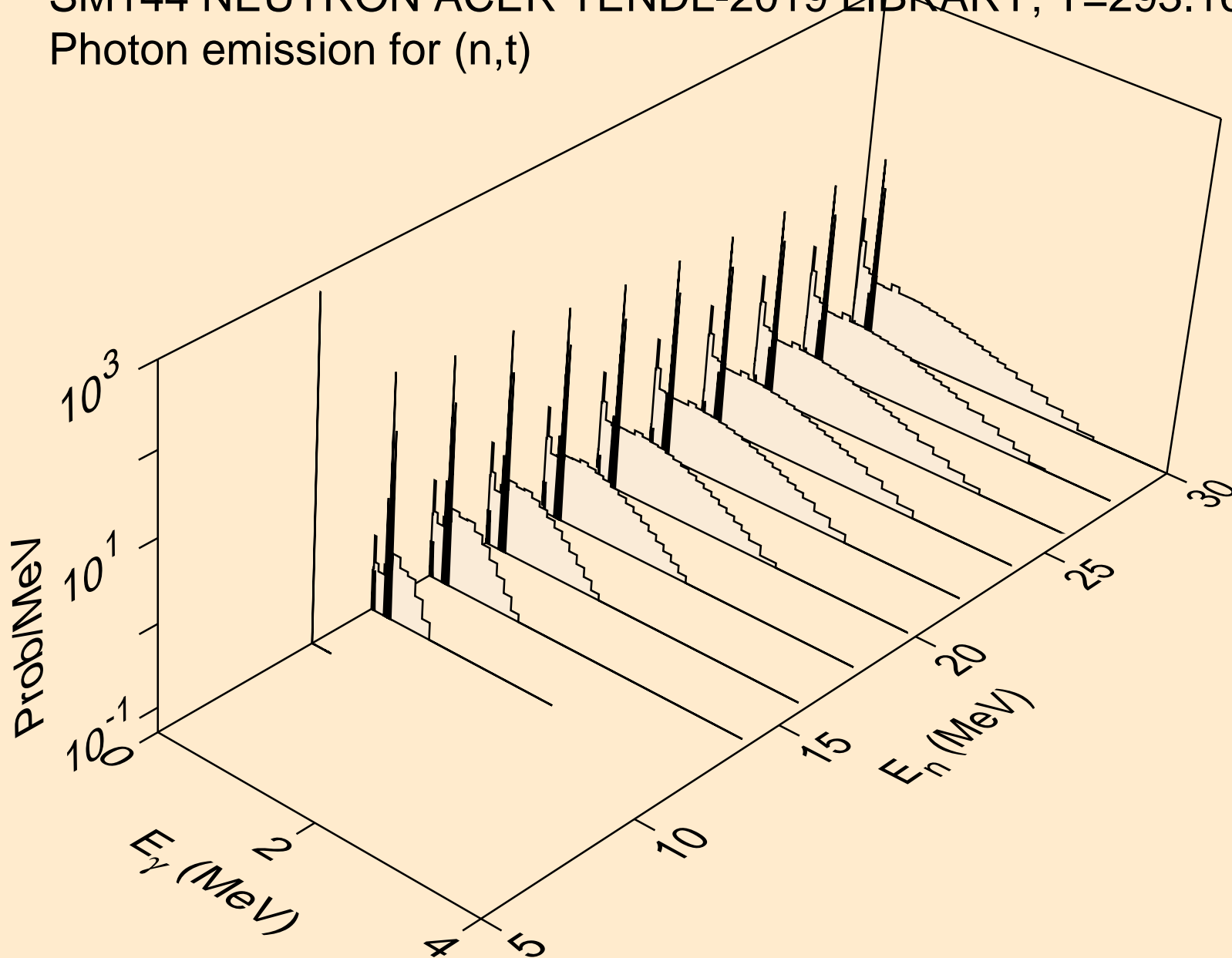
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



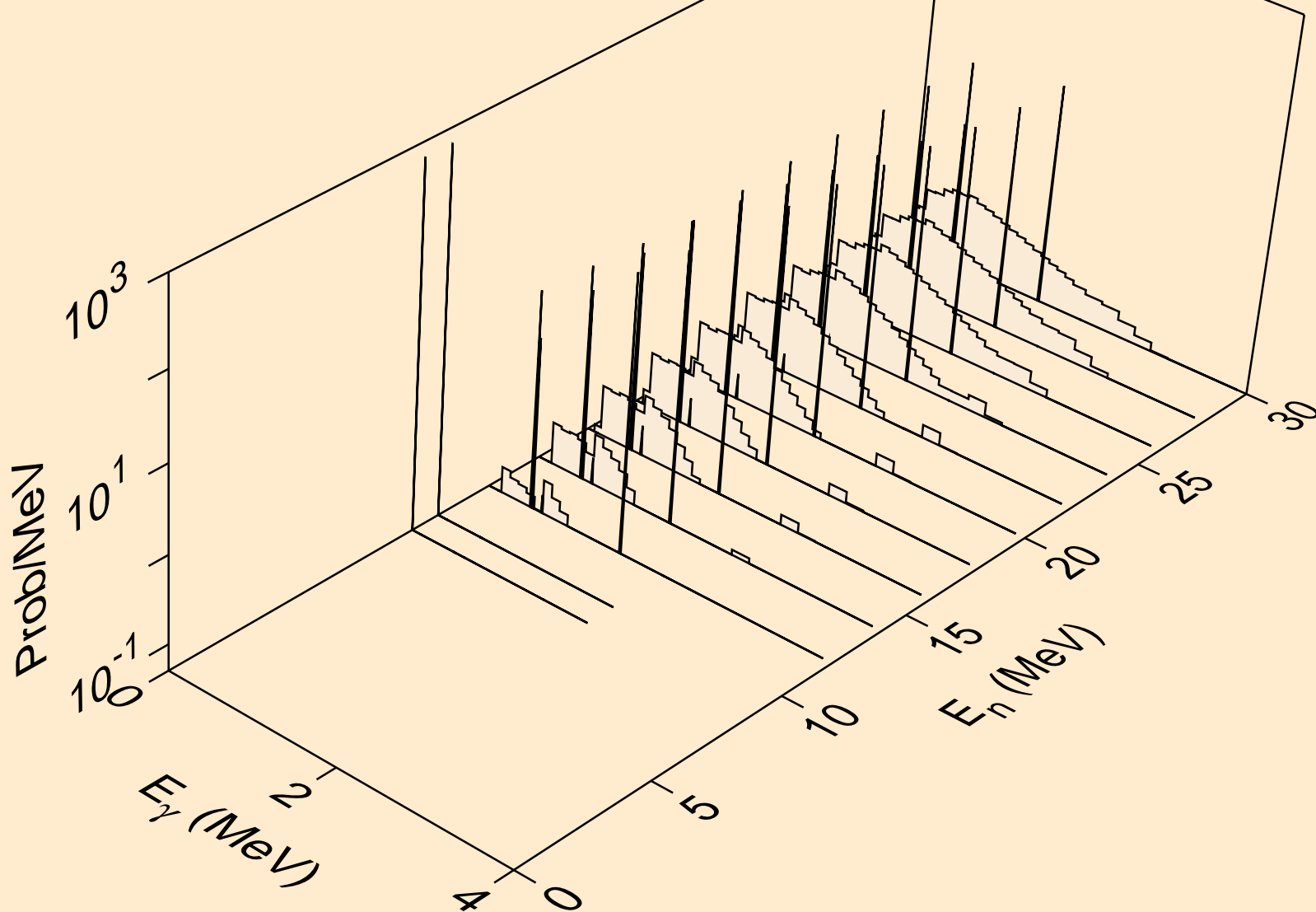
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



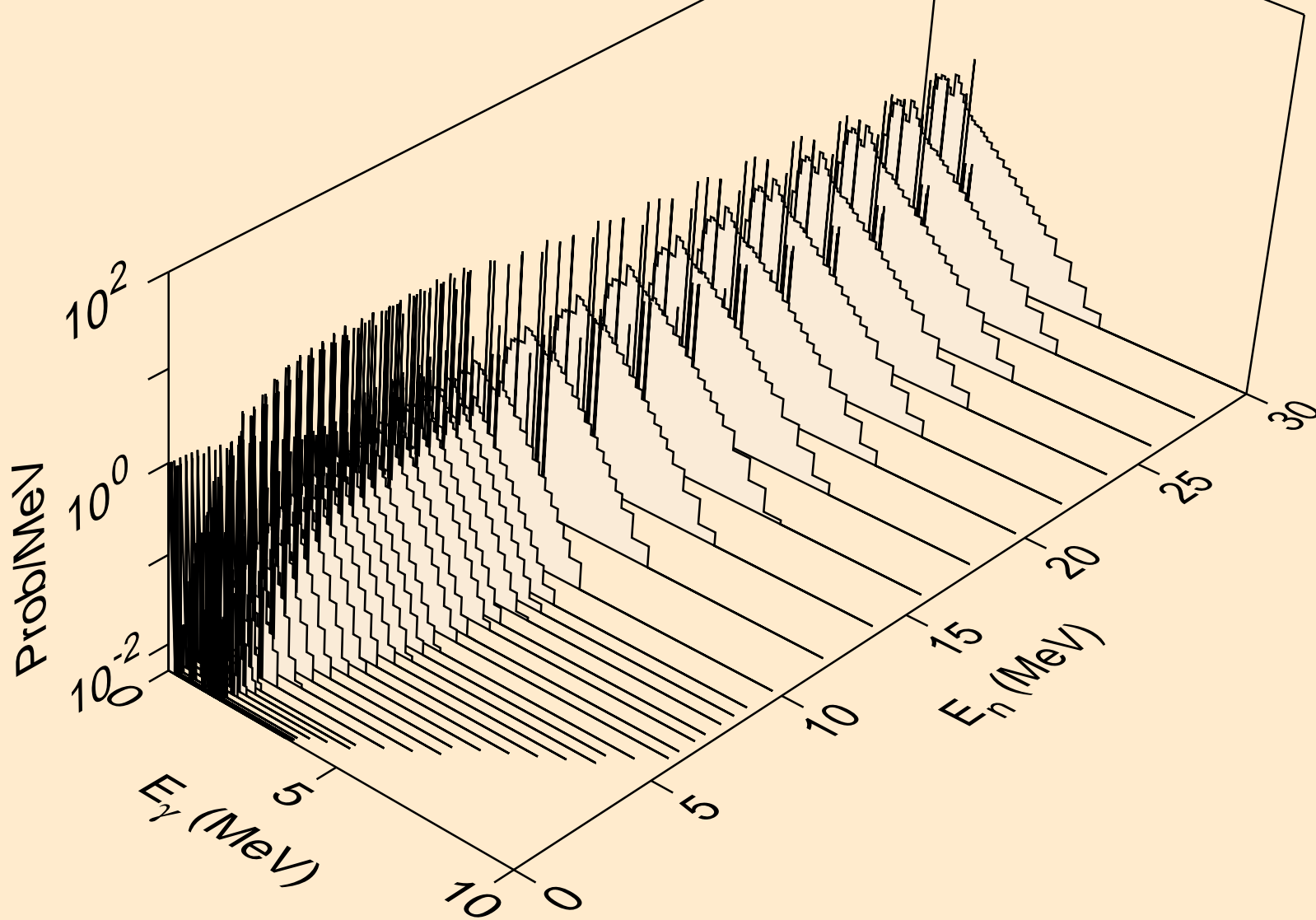
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



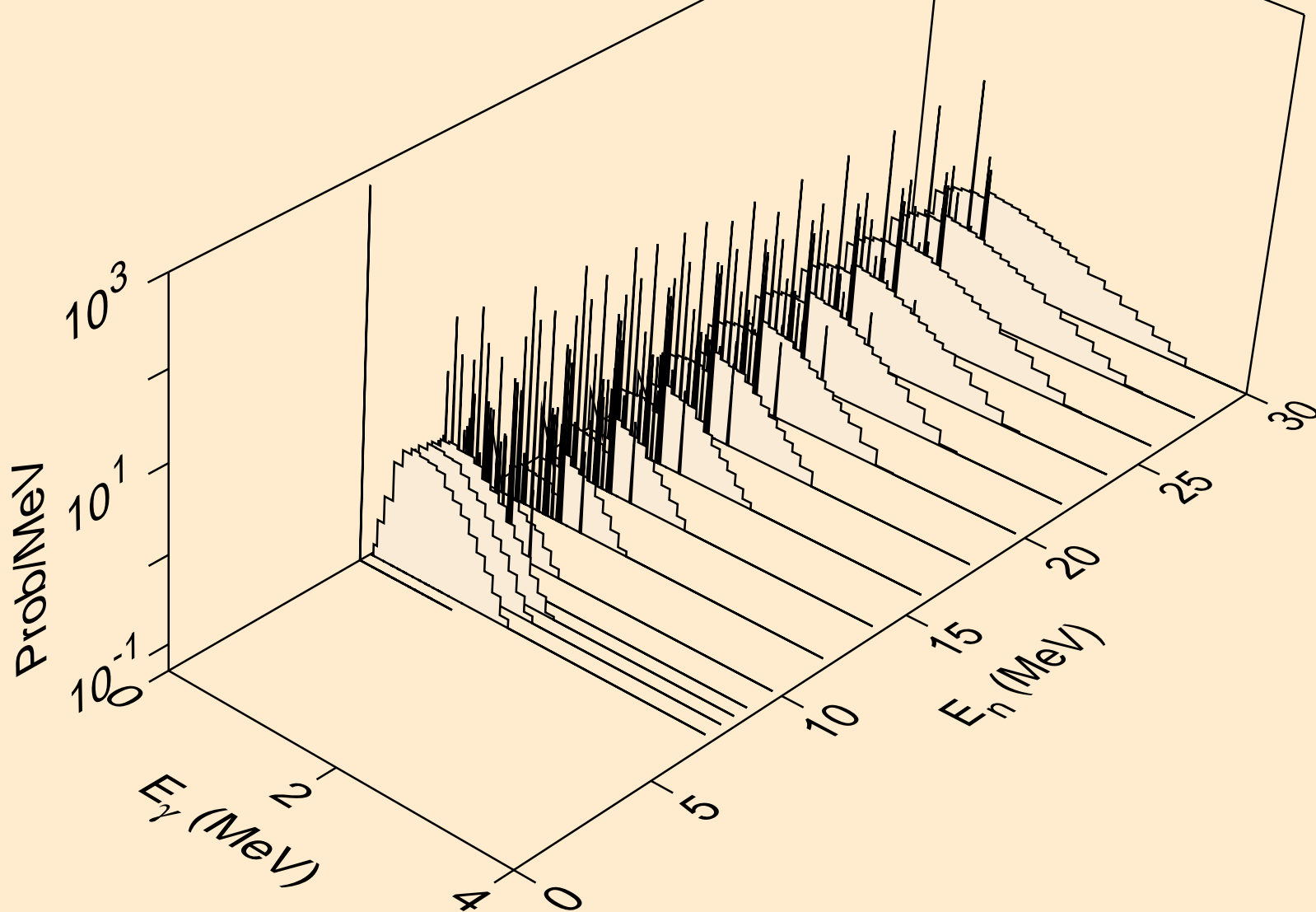
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



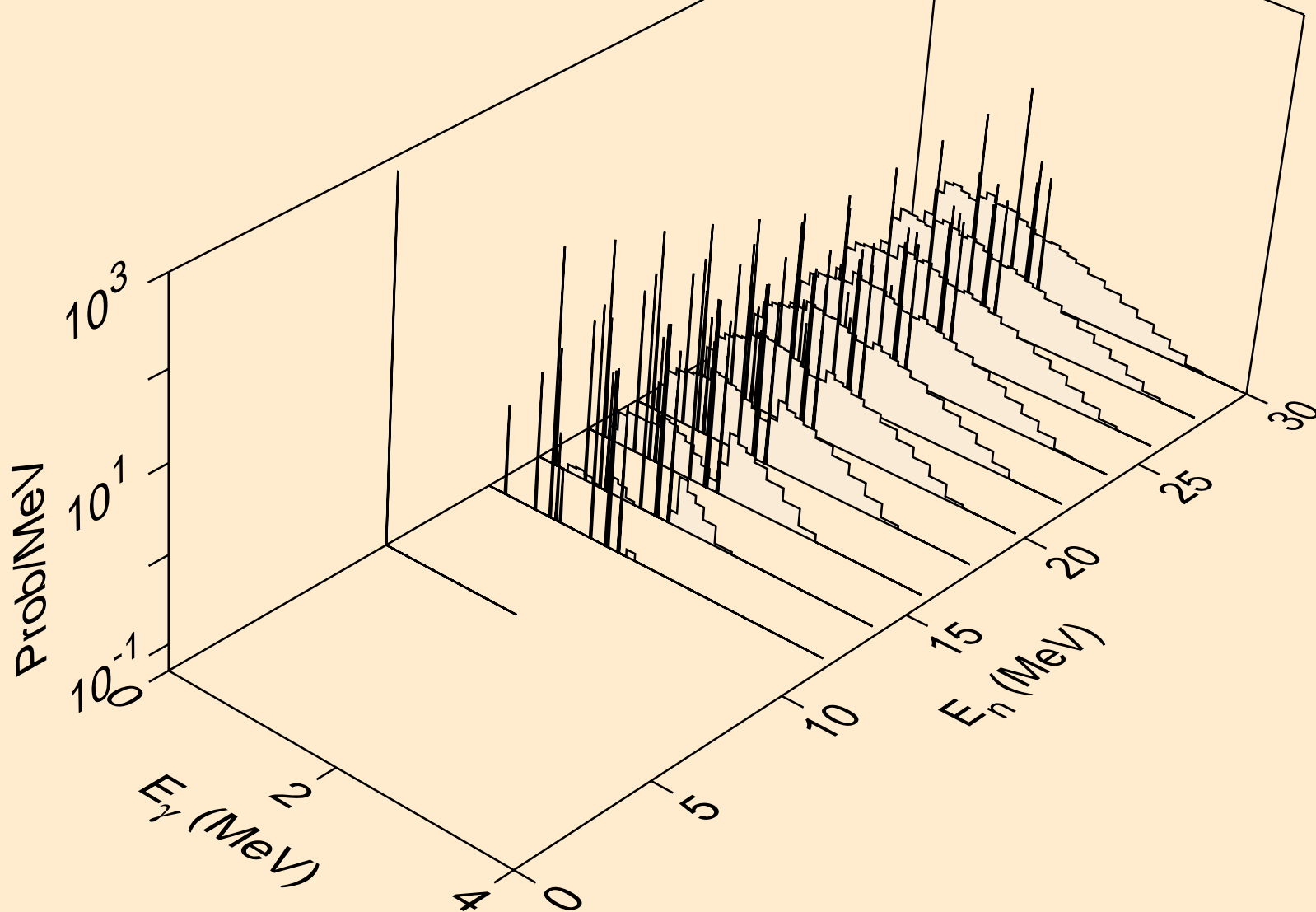
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



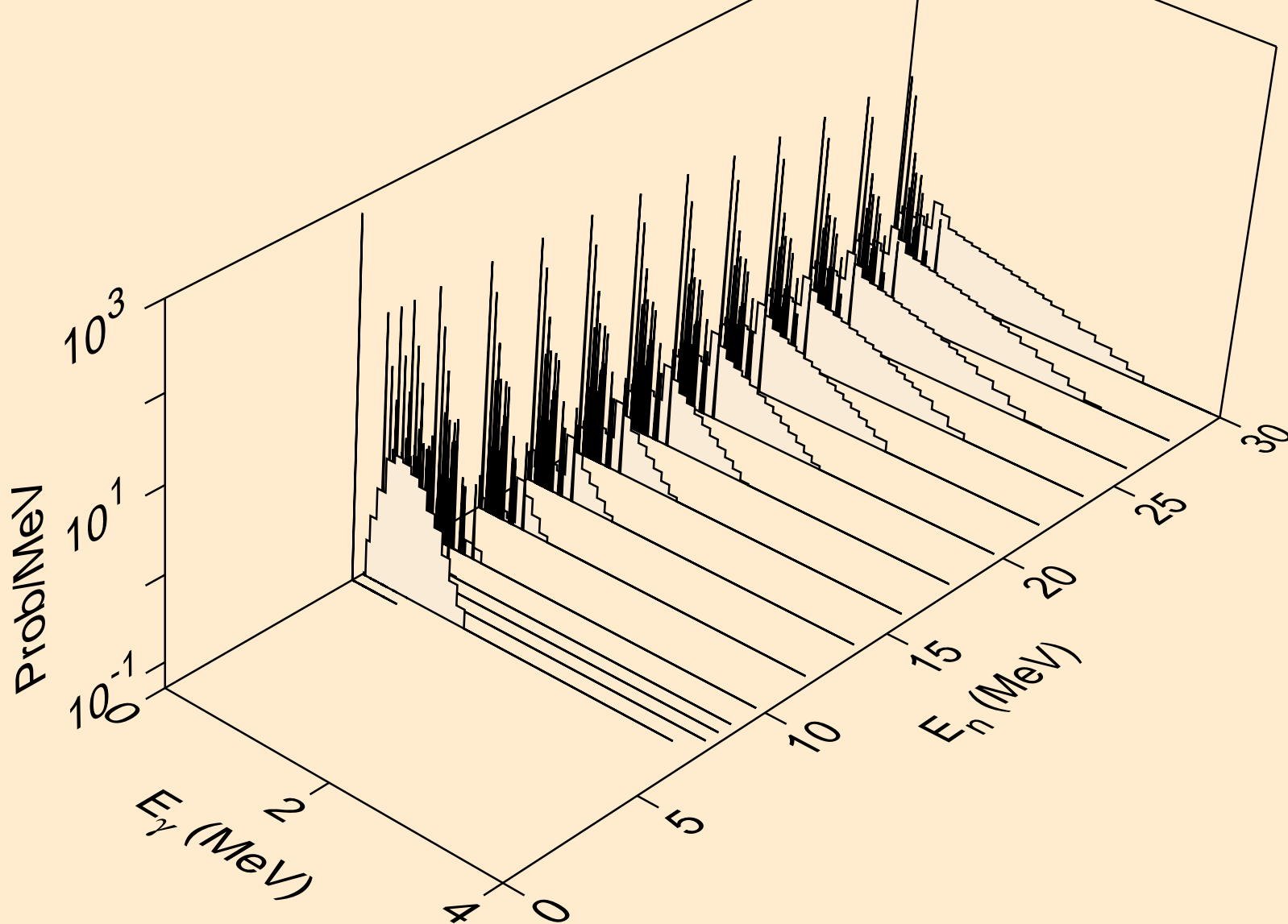
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



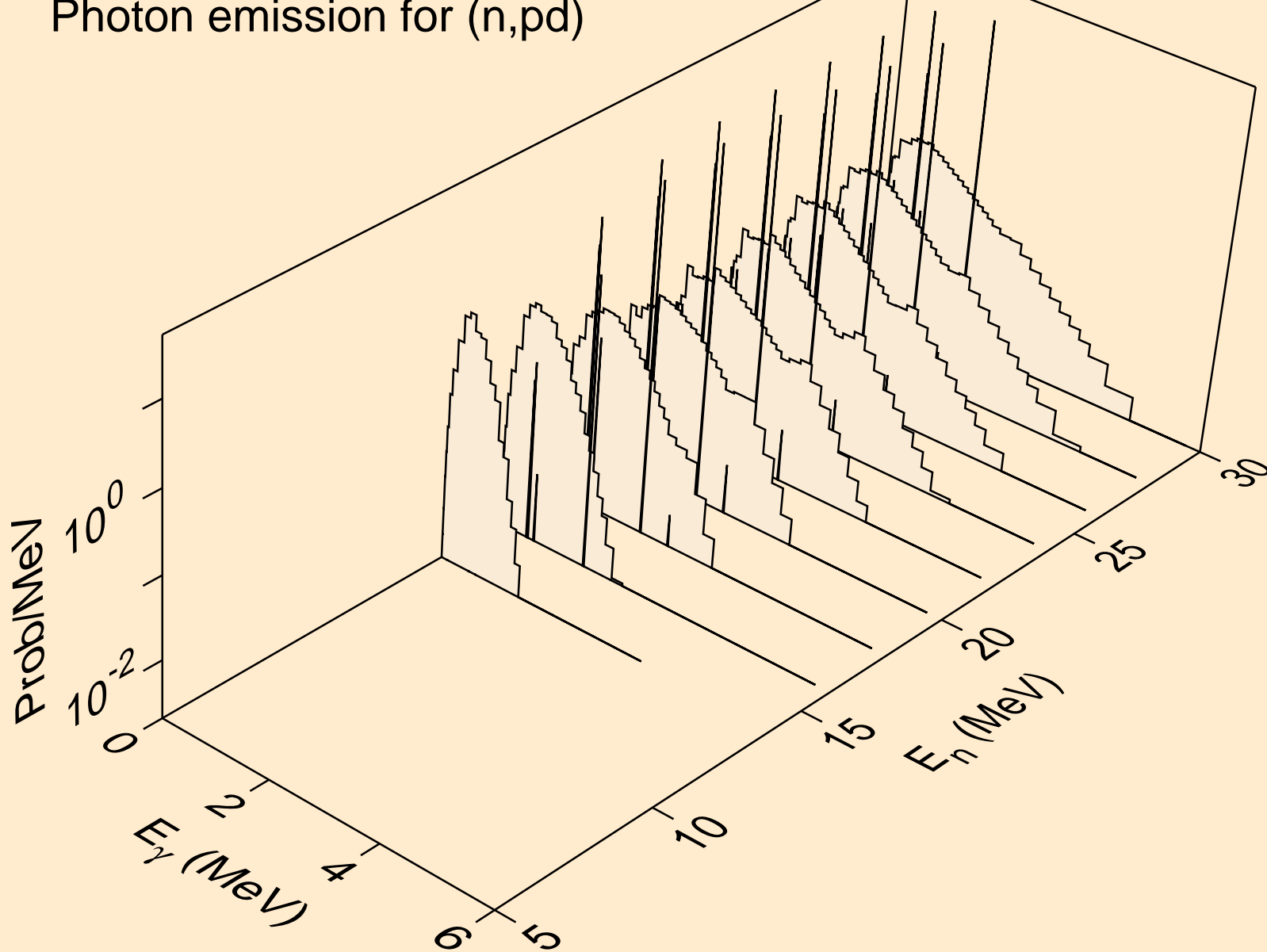
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



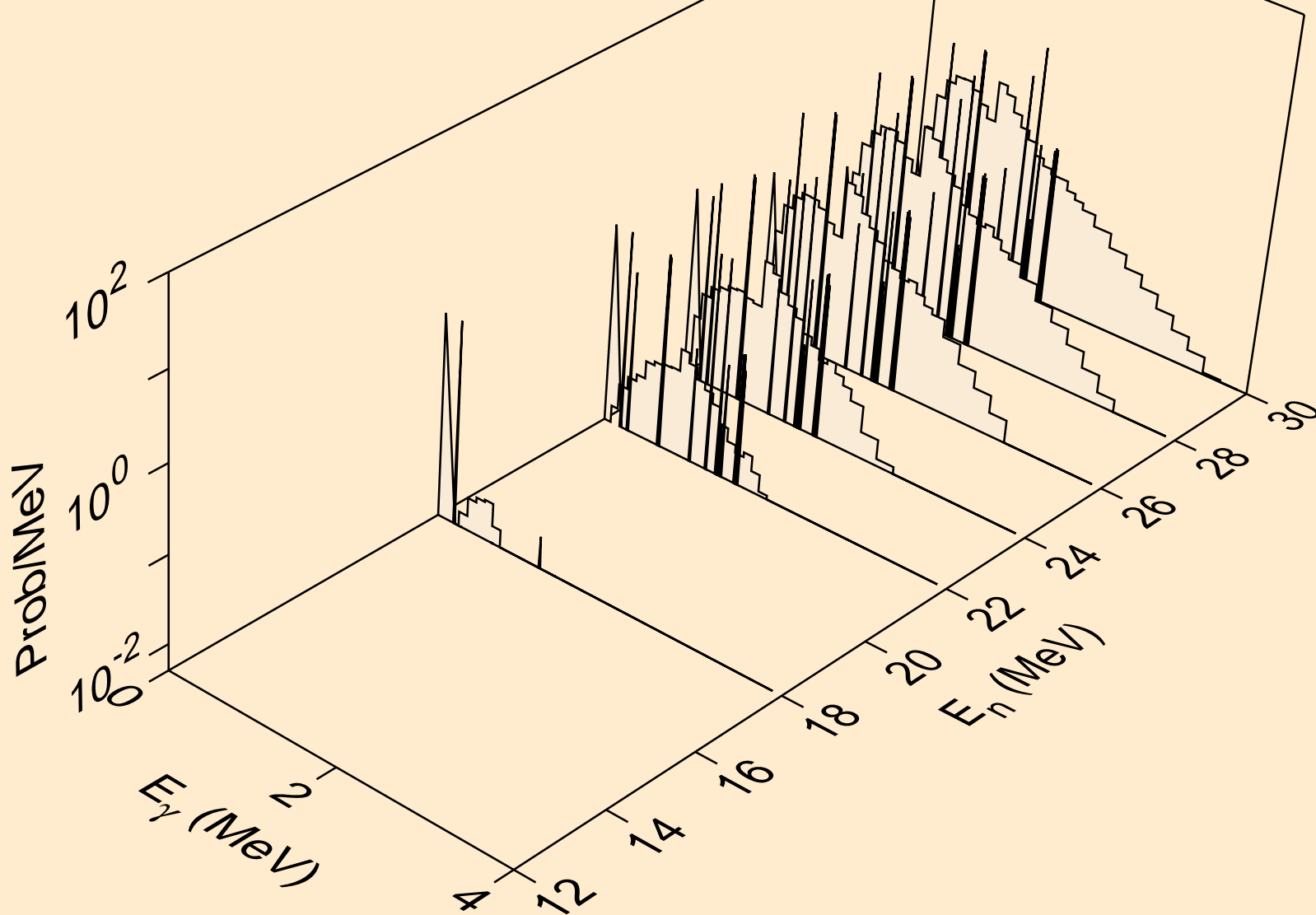
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



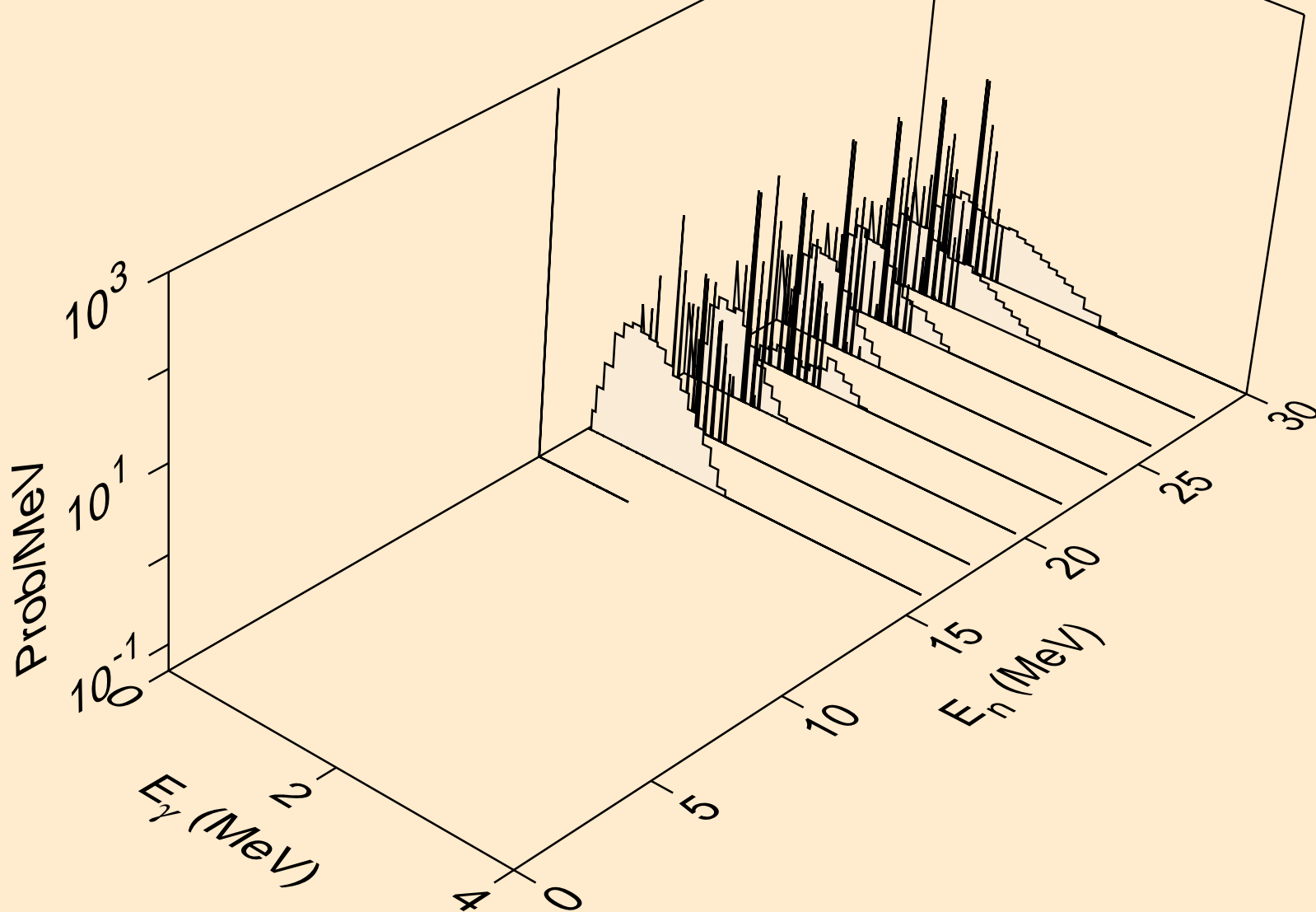
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



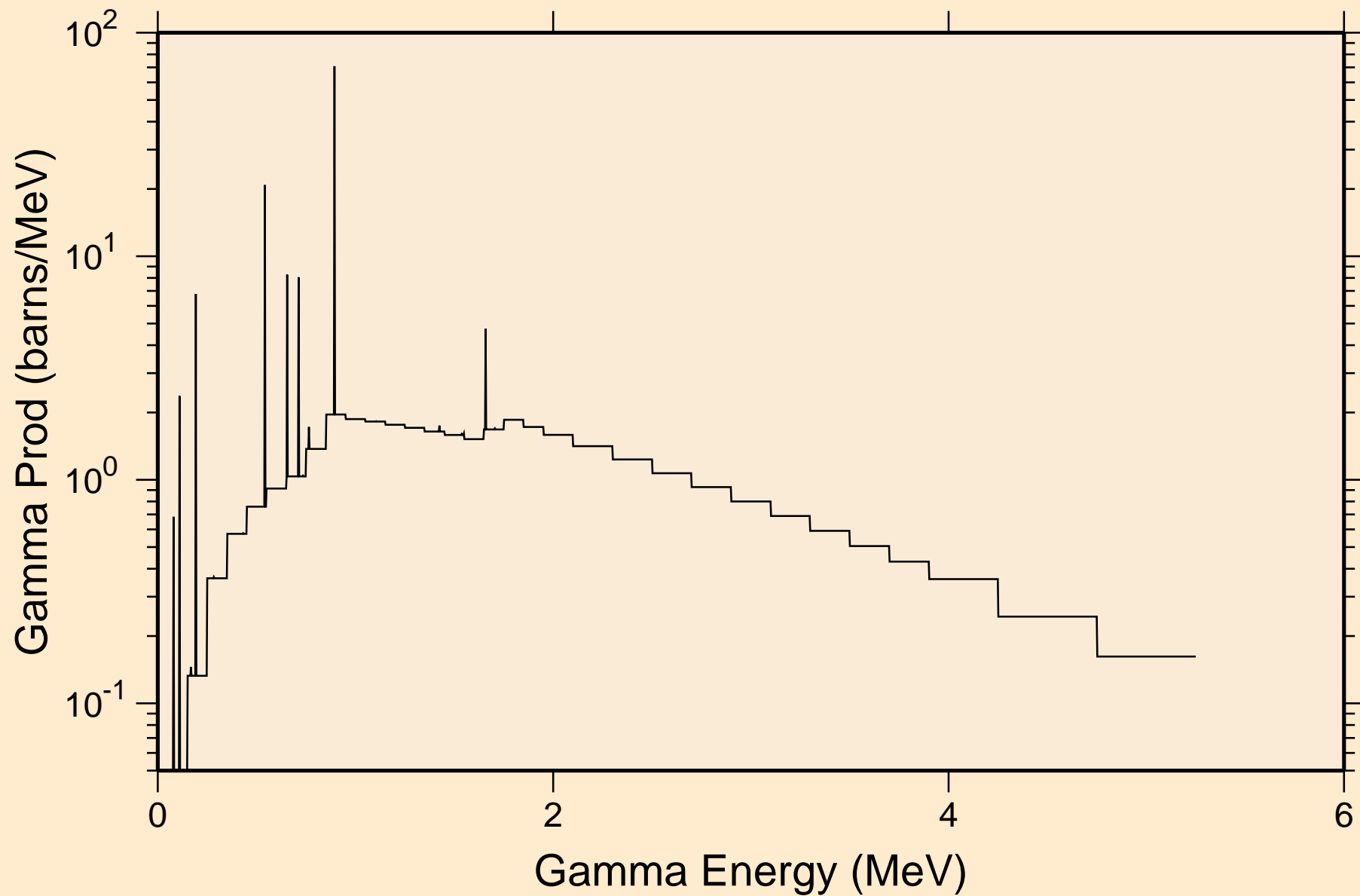
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



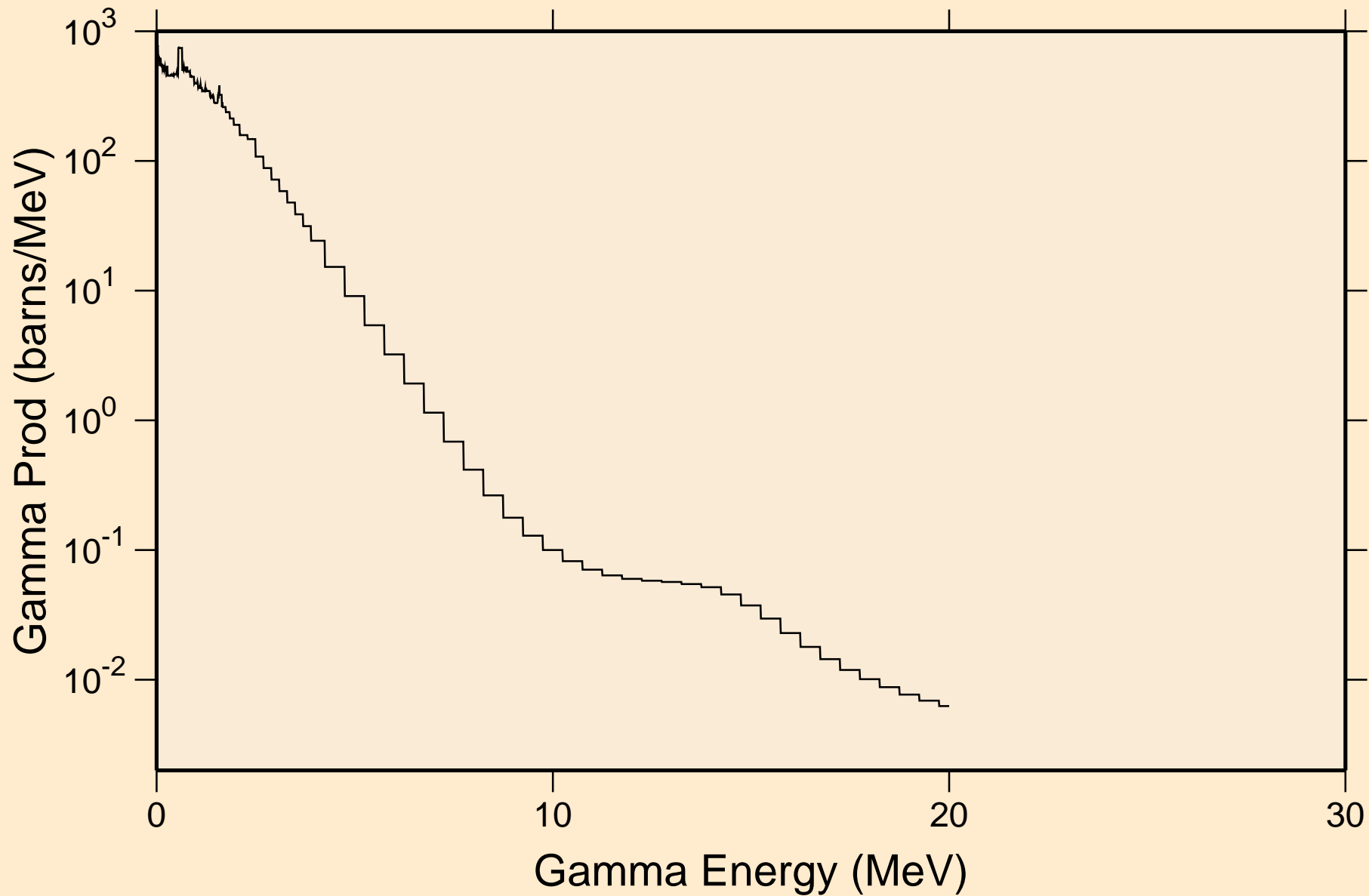
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

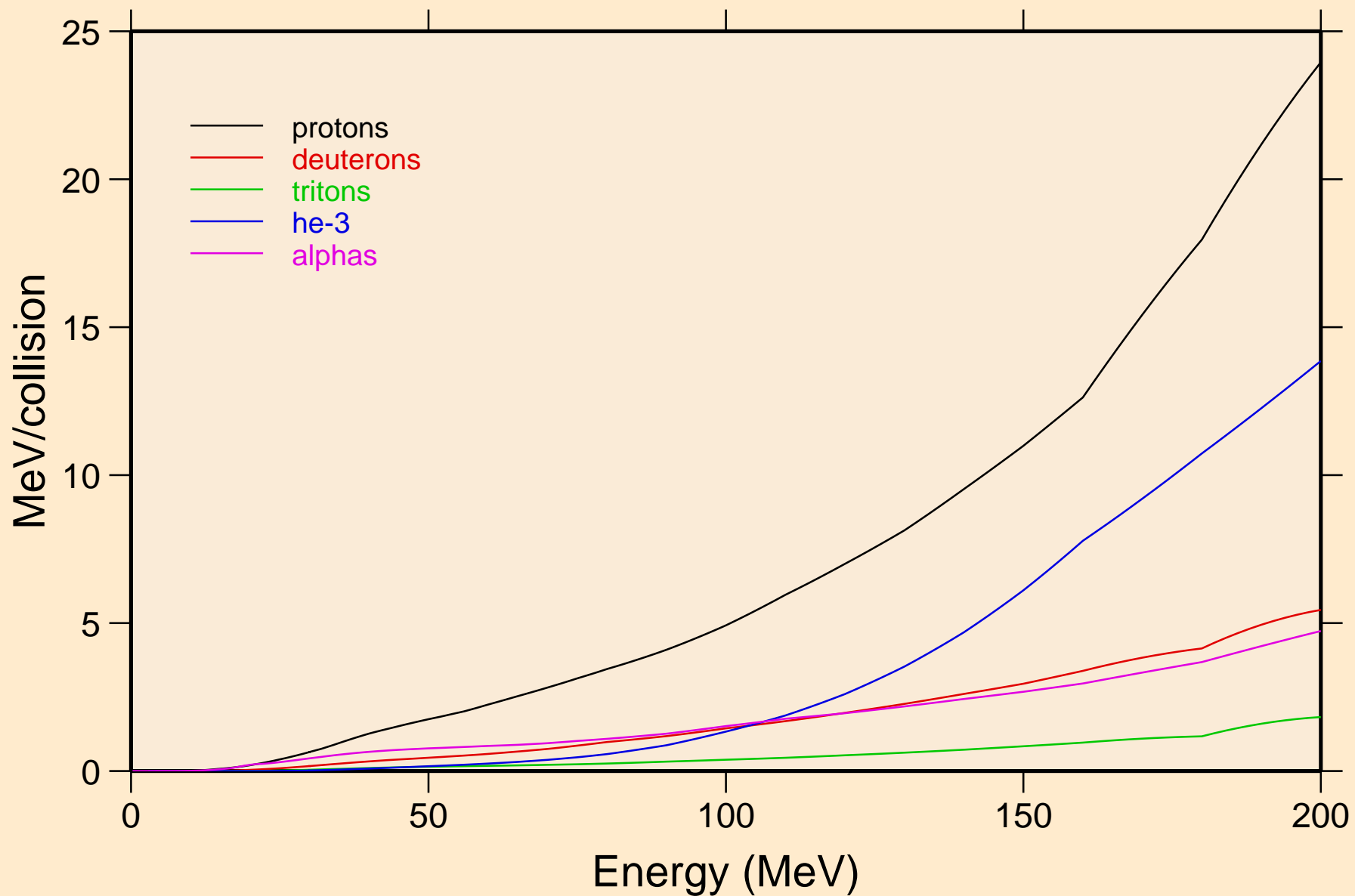


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

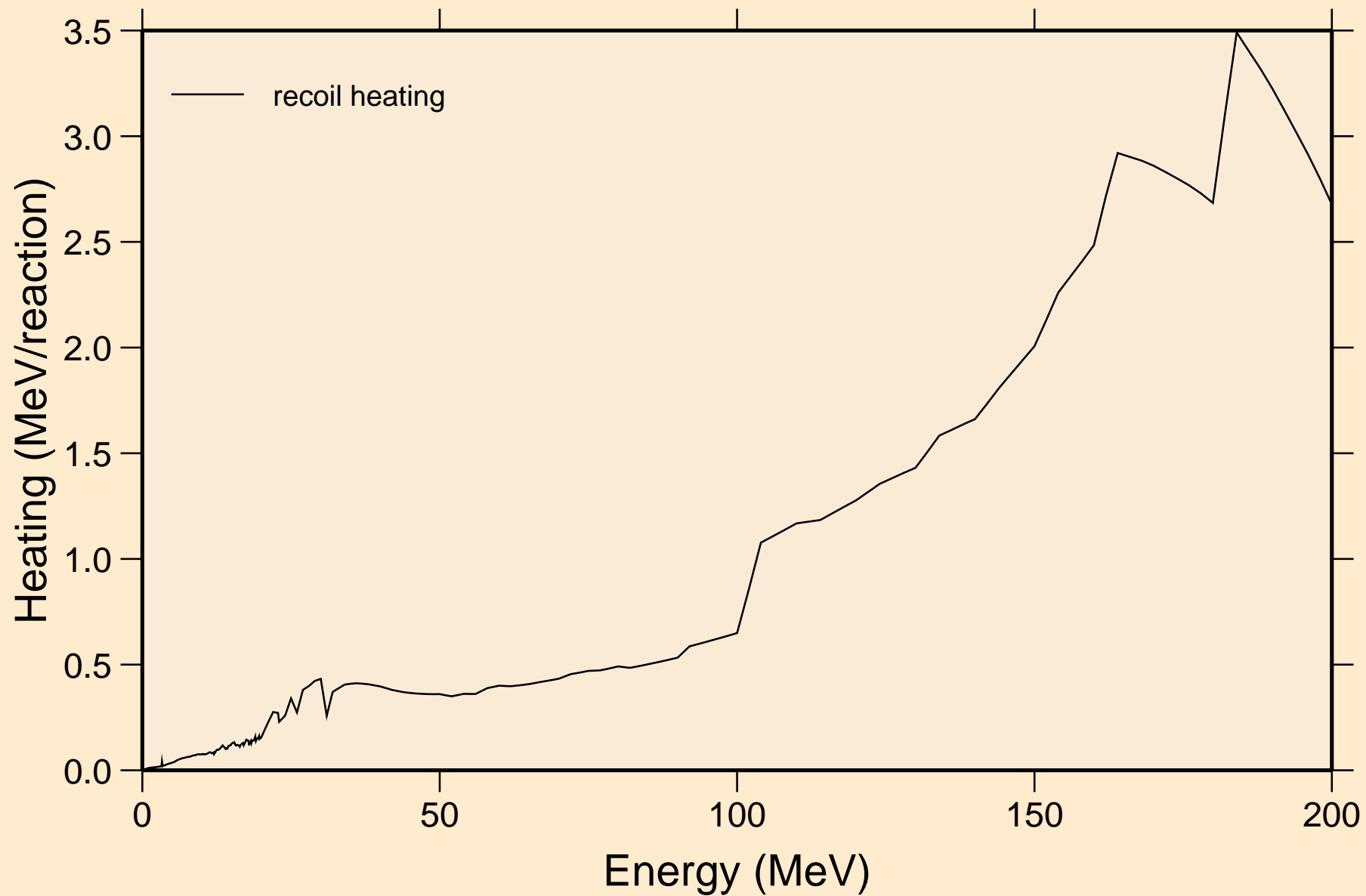


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

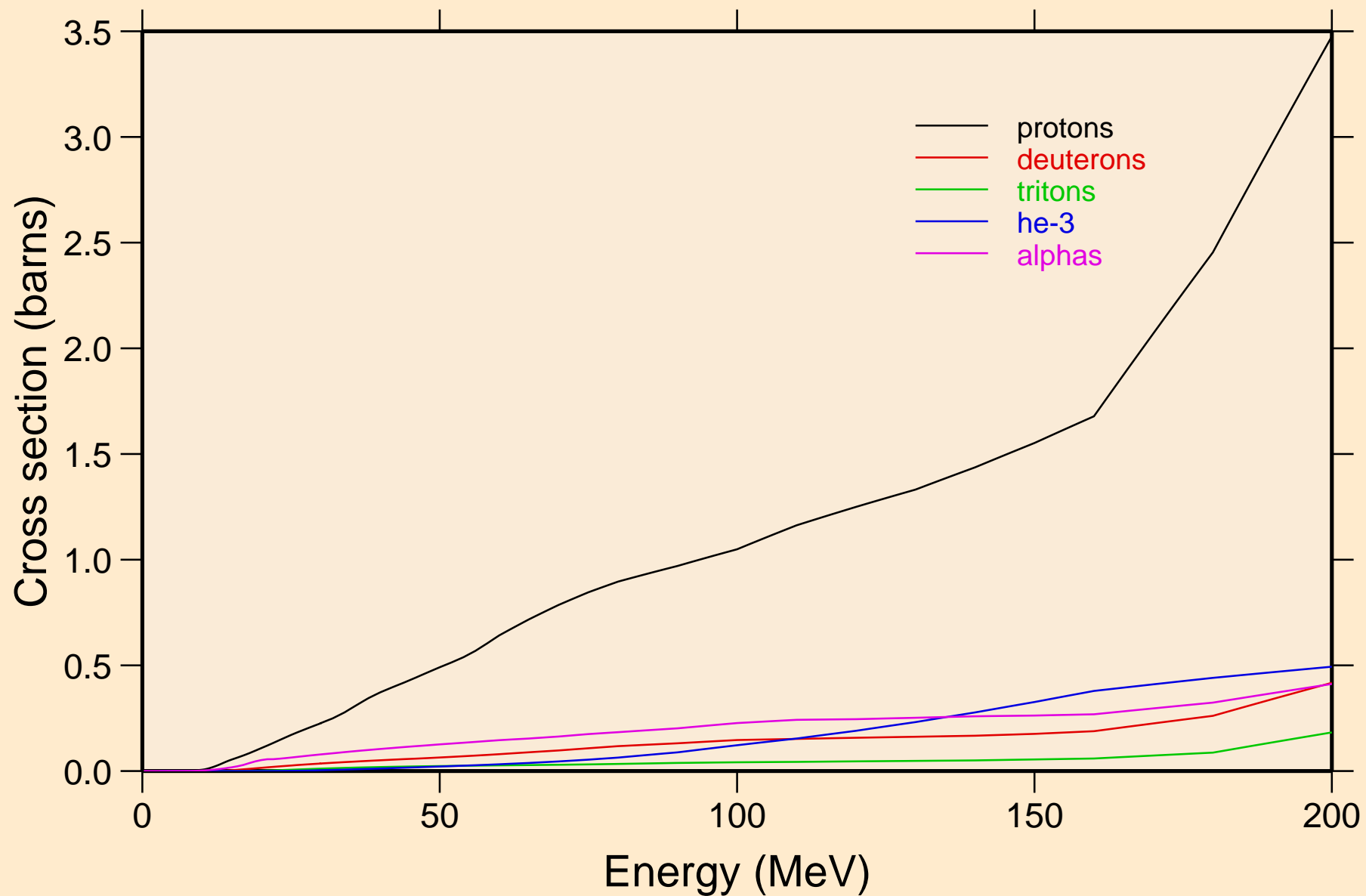


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

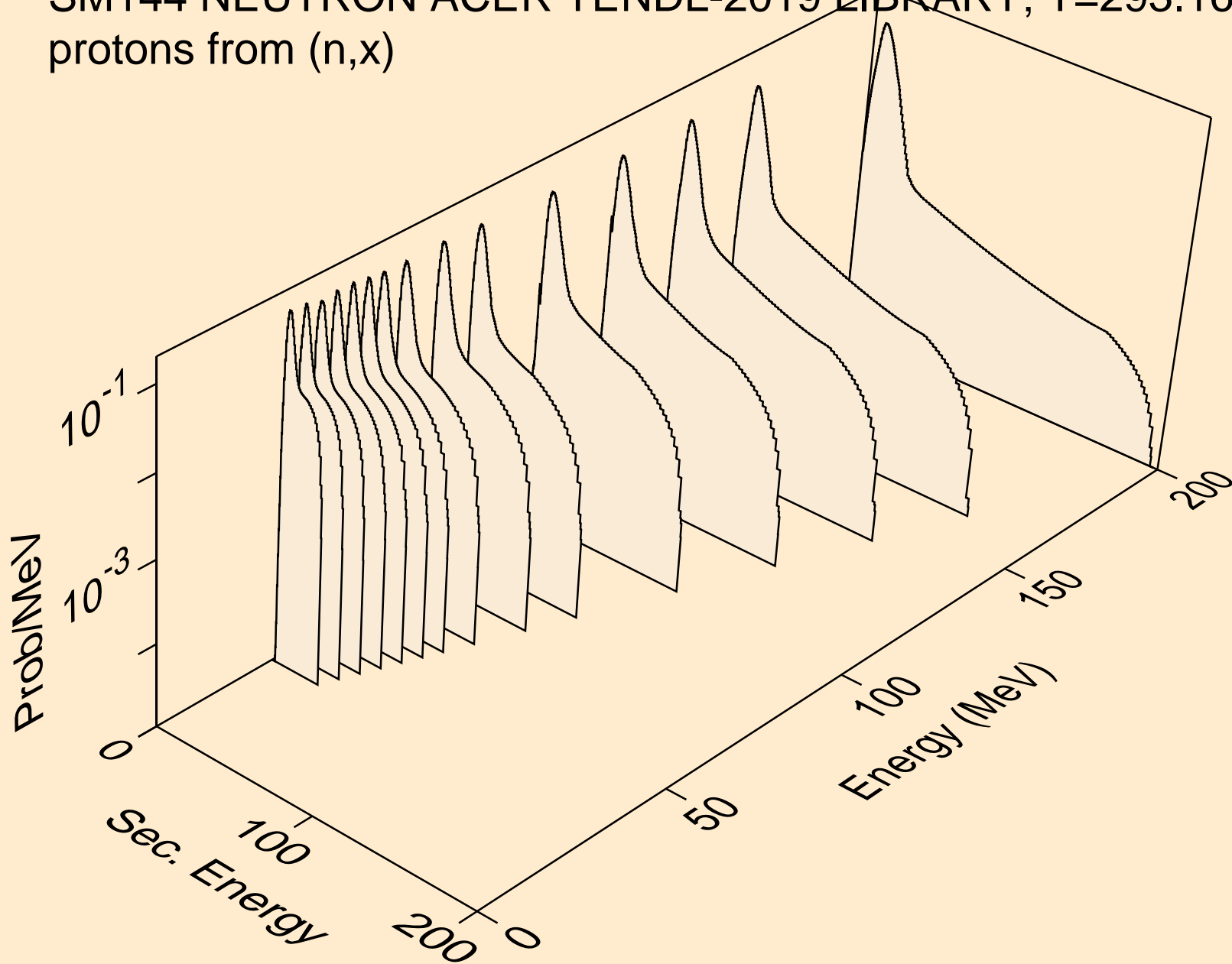


SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

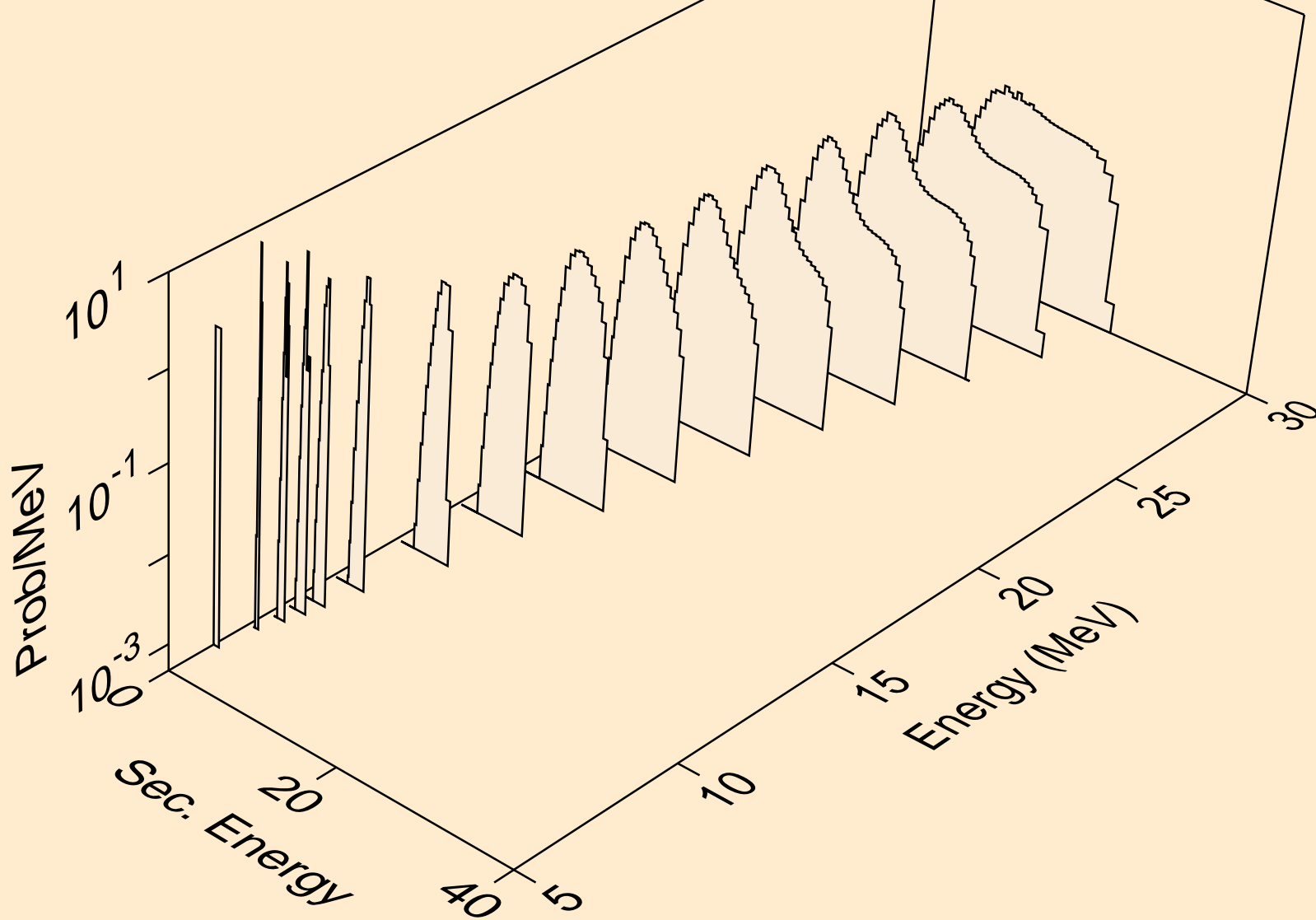
Particle production cross sections



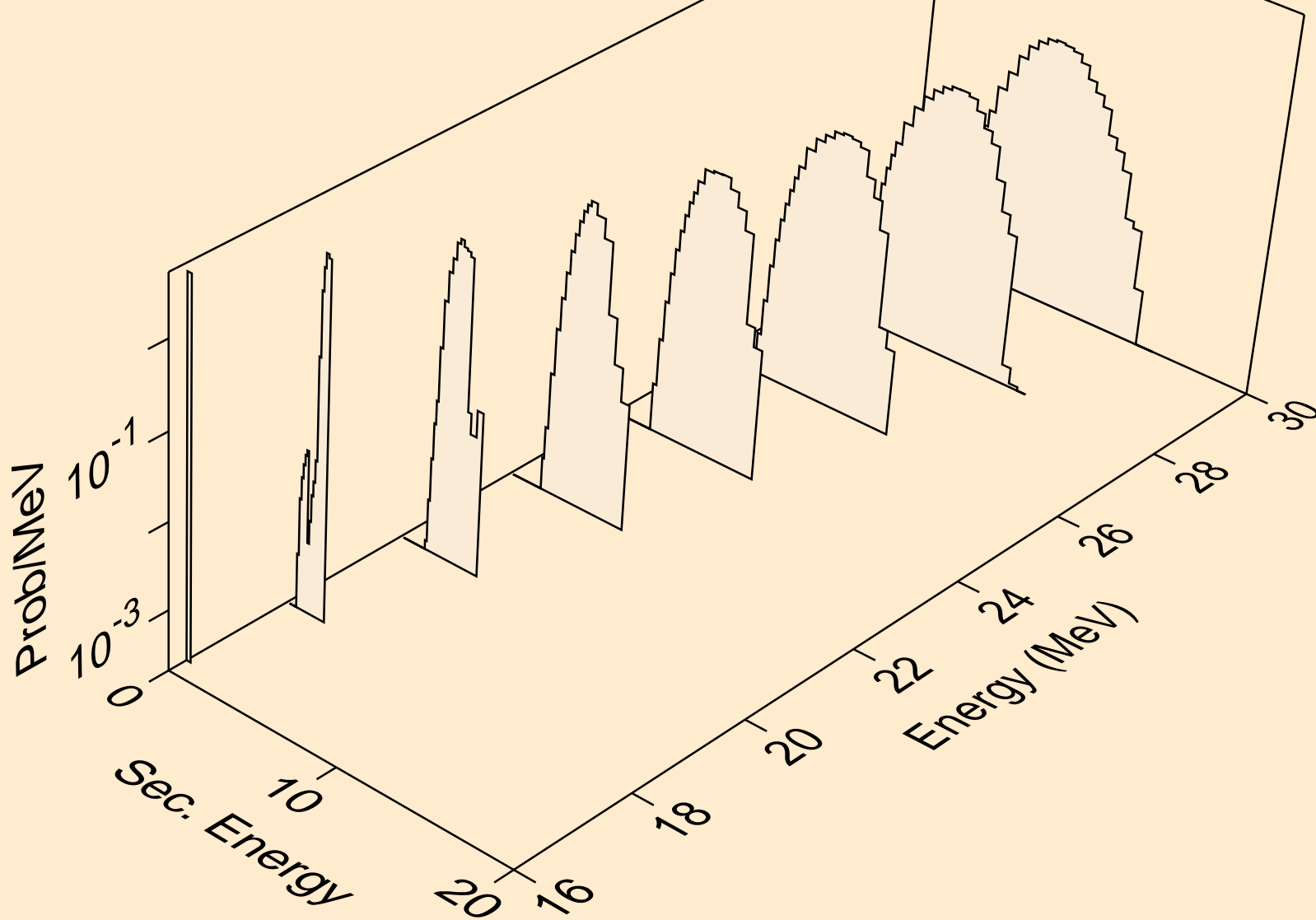
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



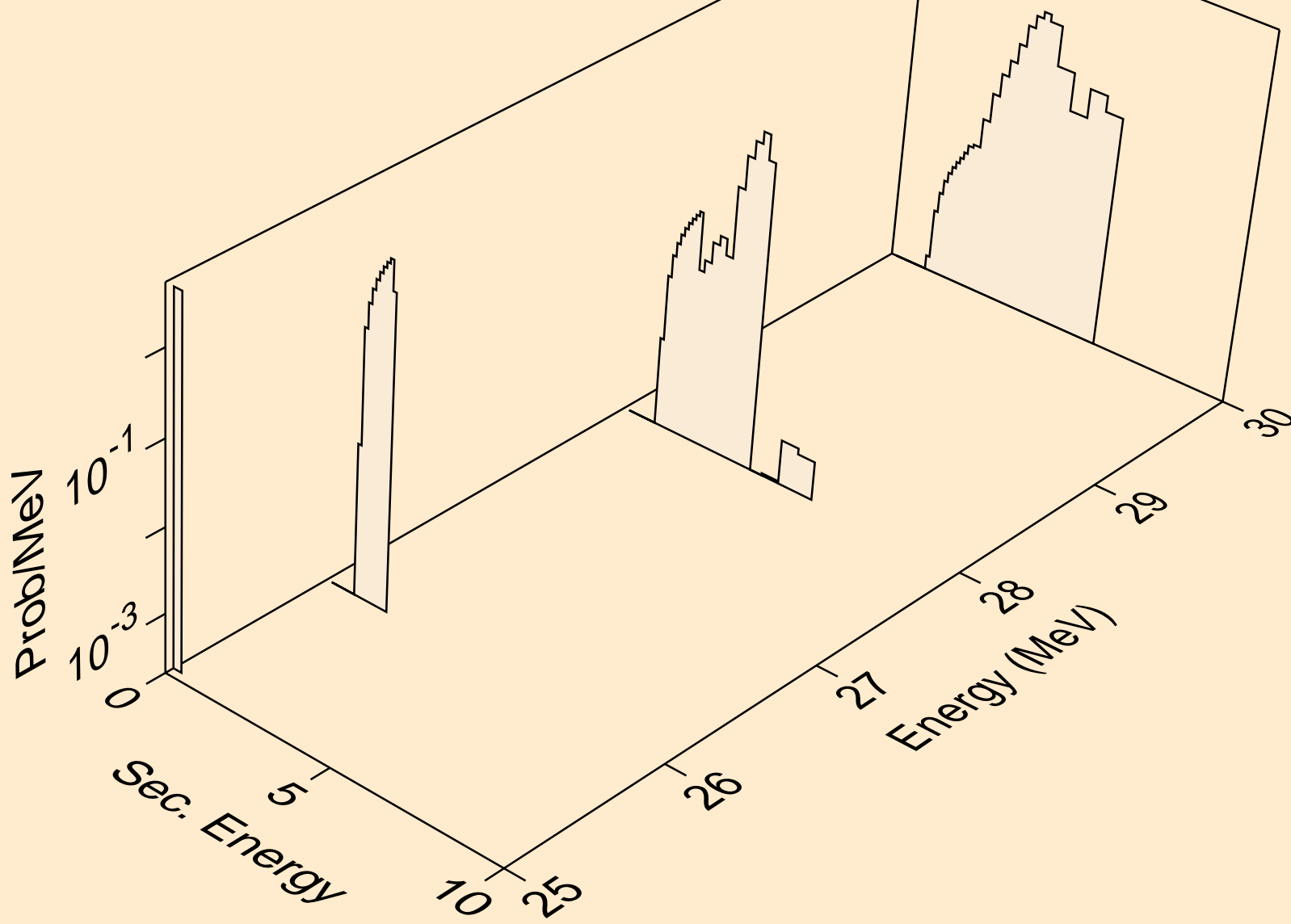
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



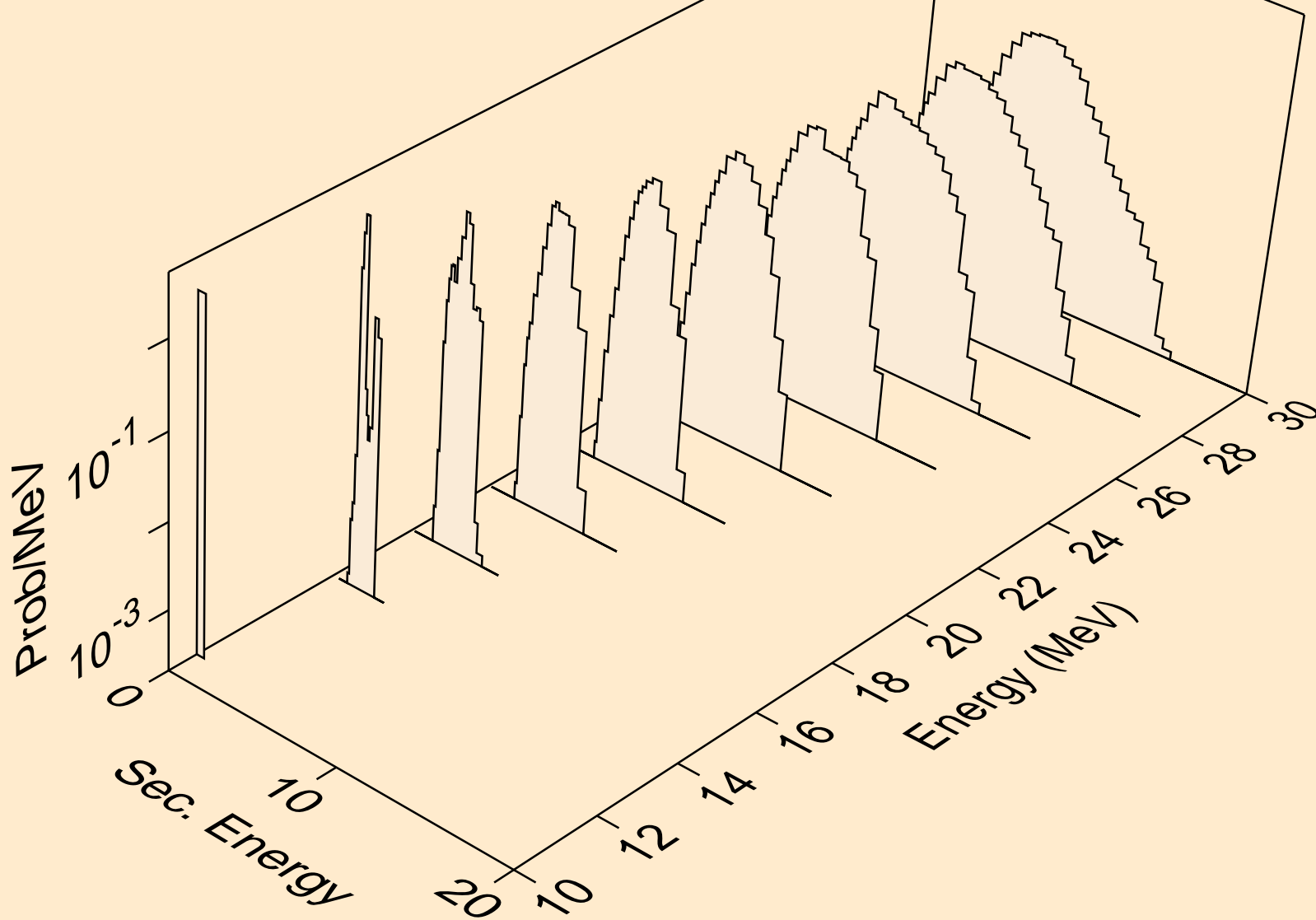
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



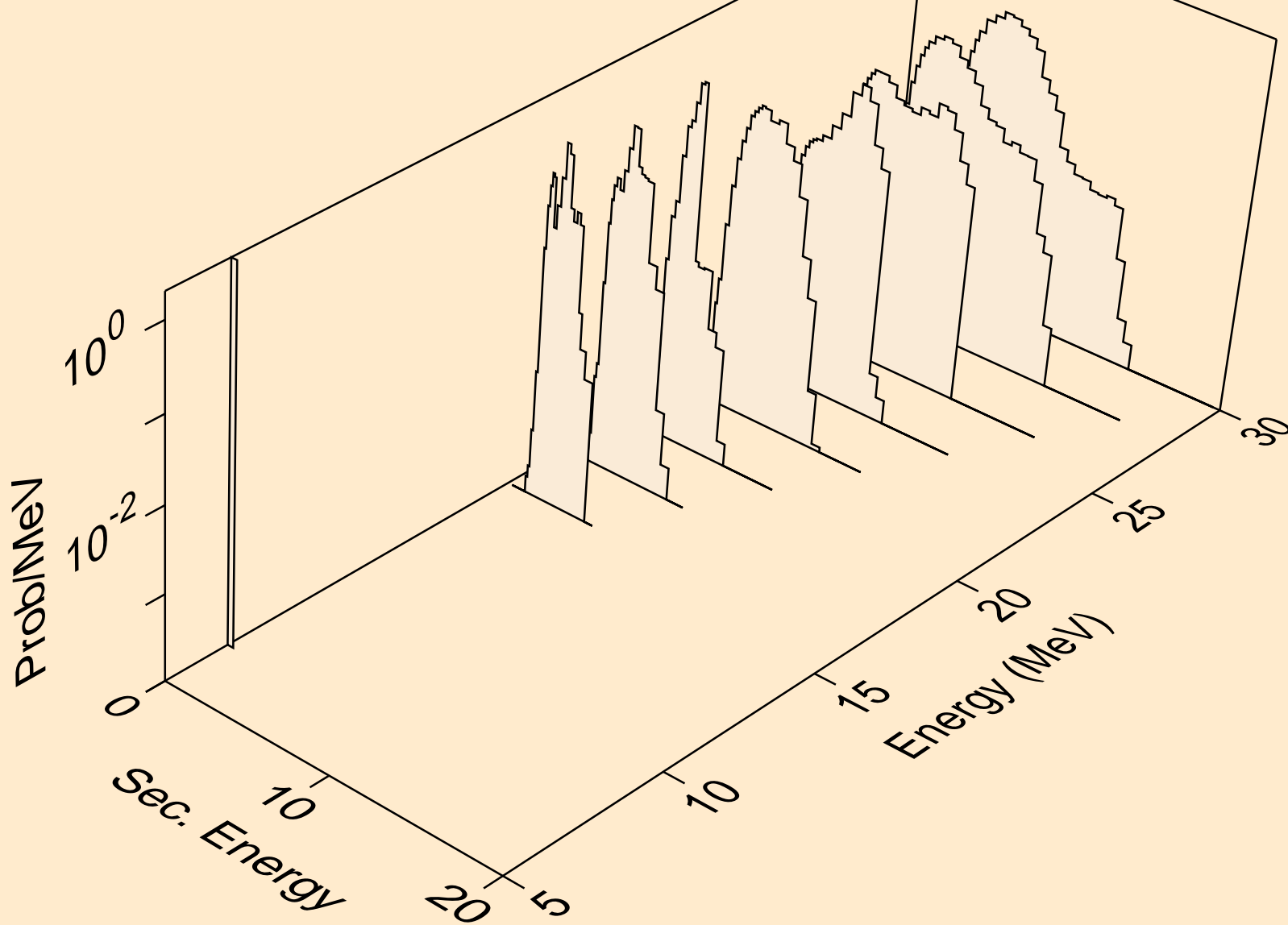
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



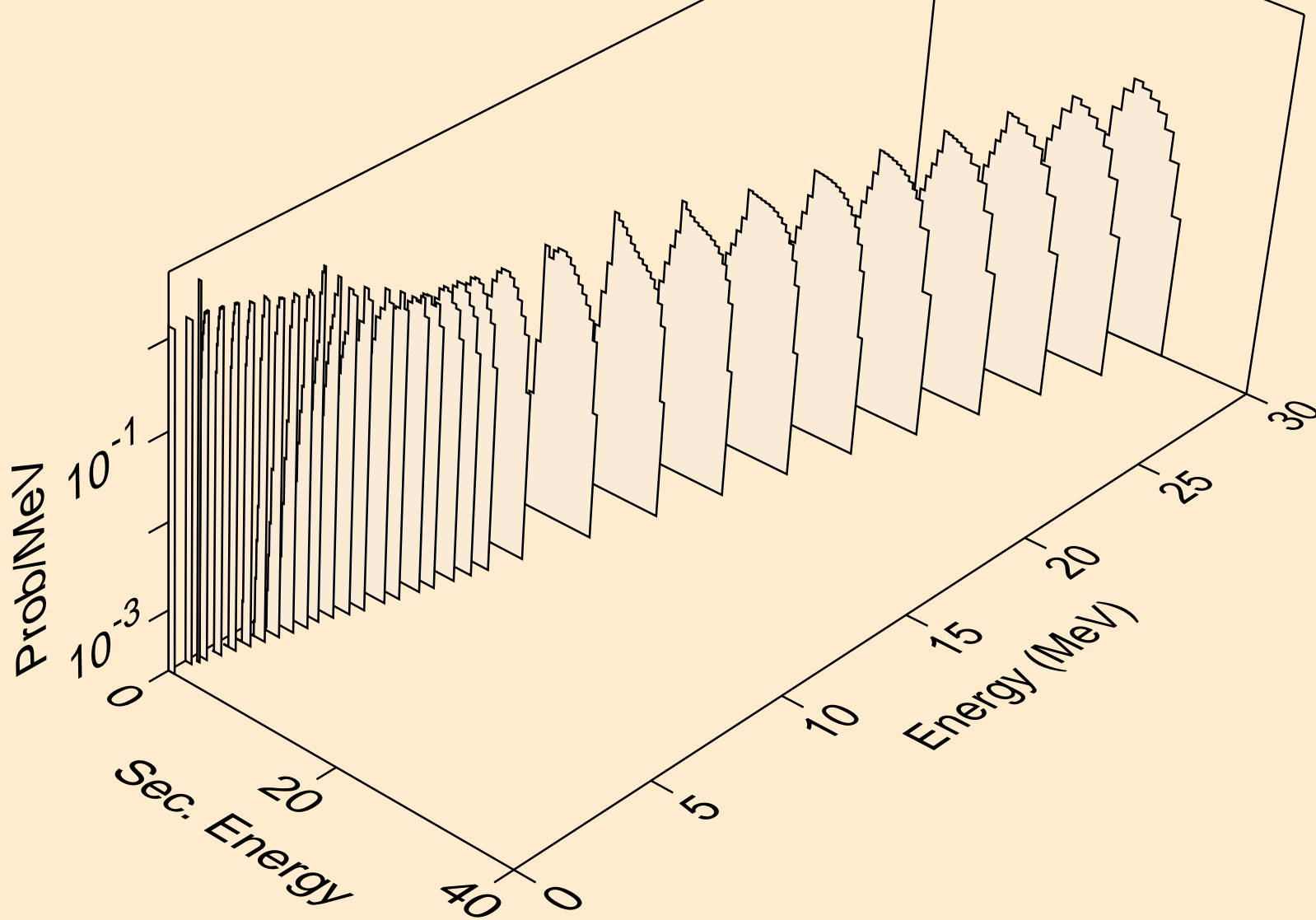
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



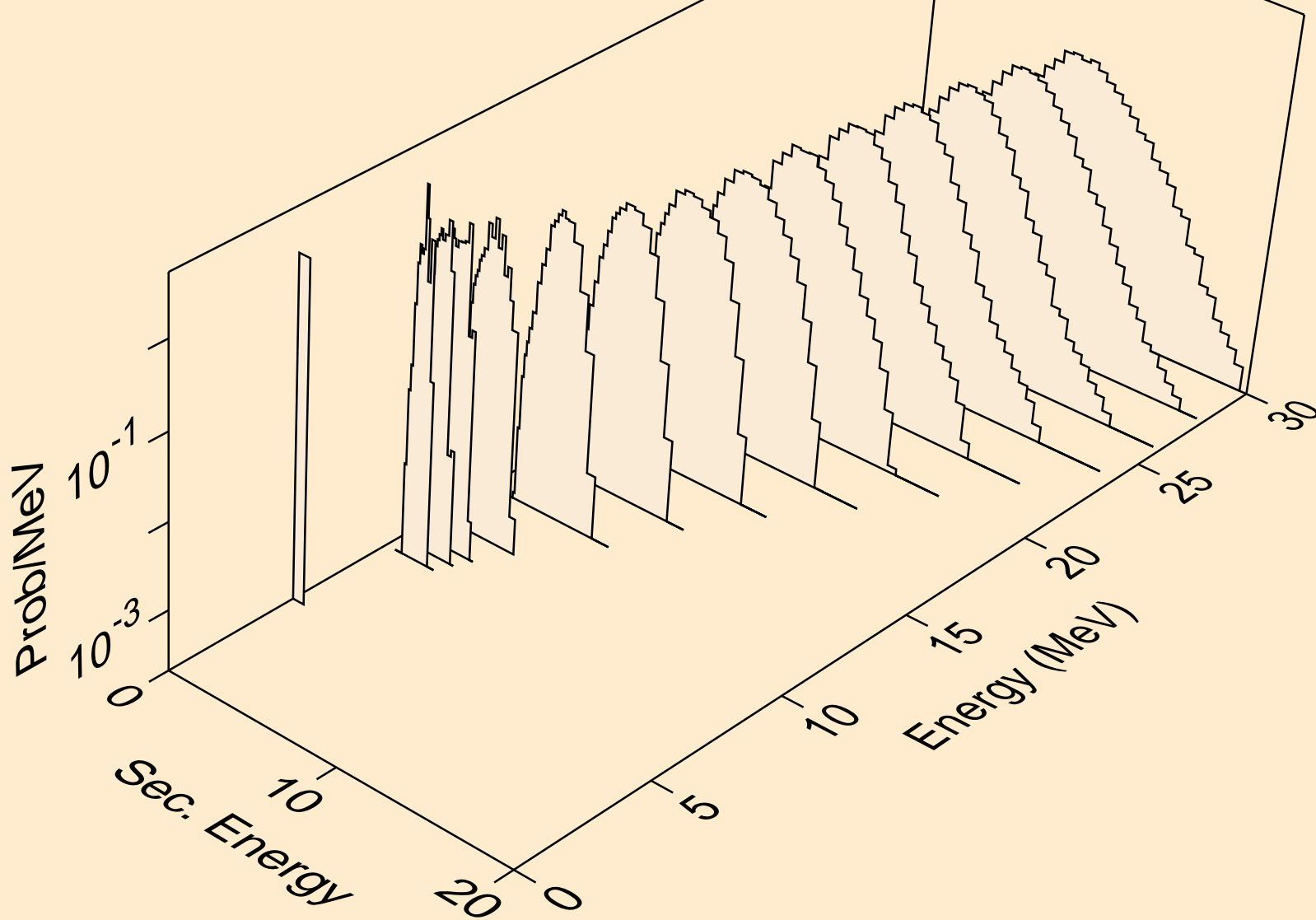
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protons from (n,npa)



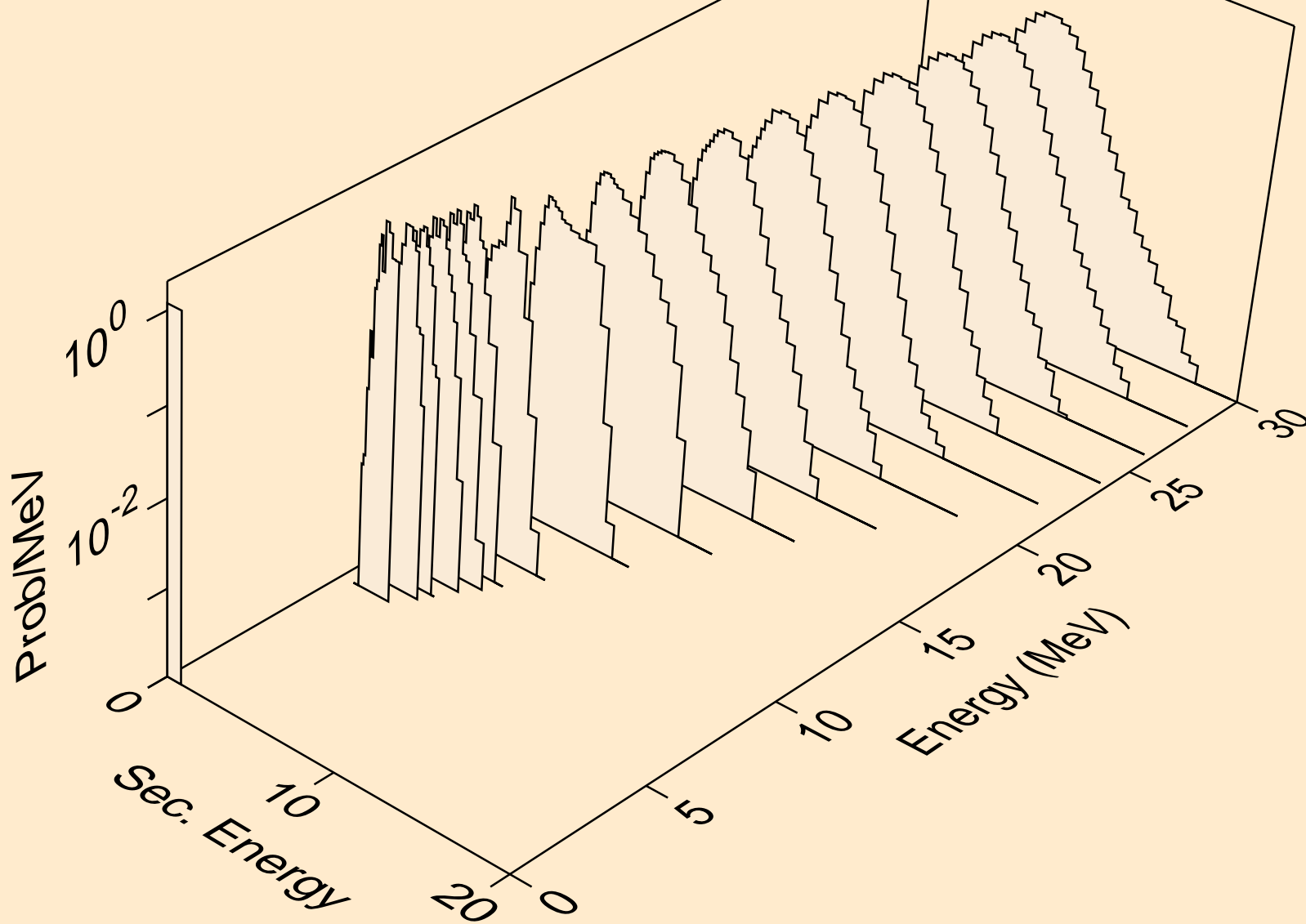
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



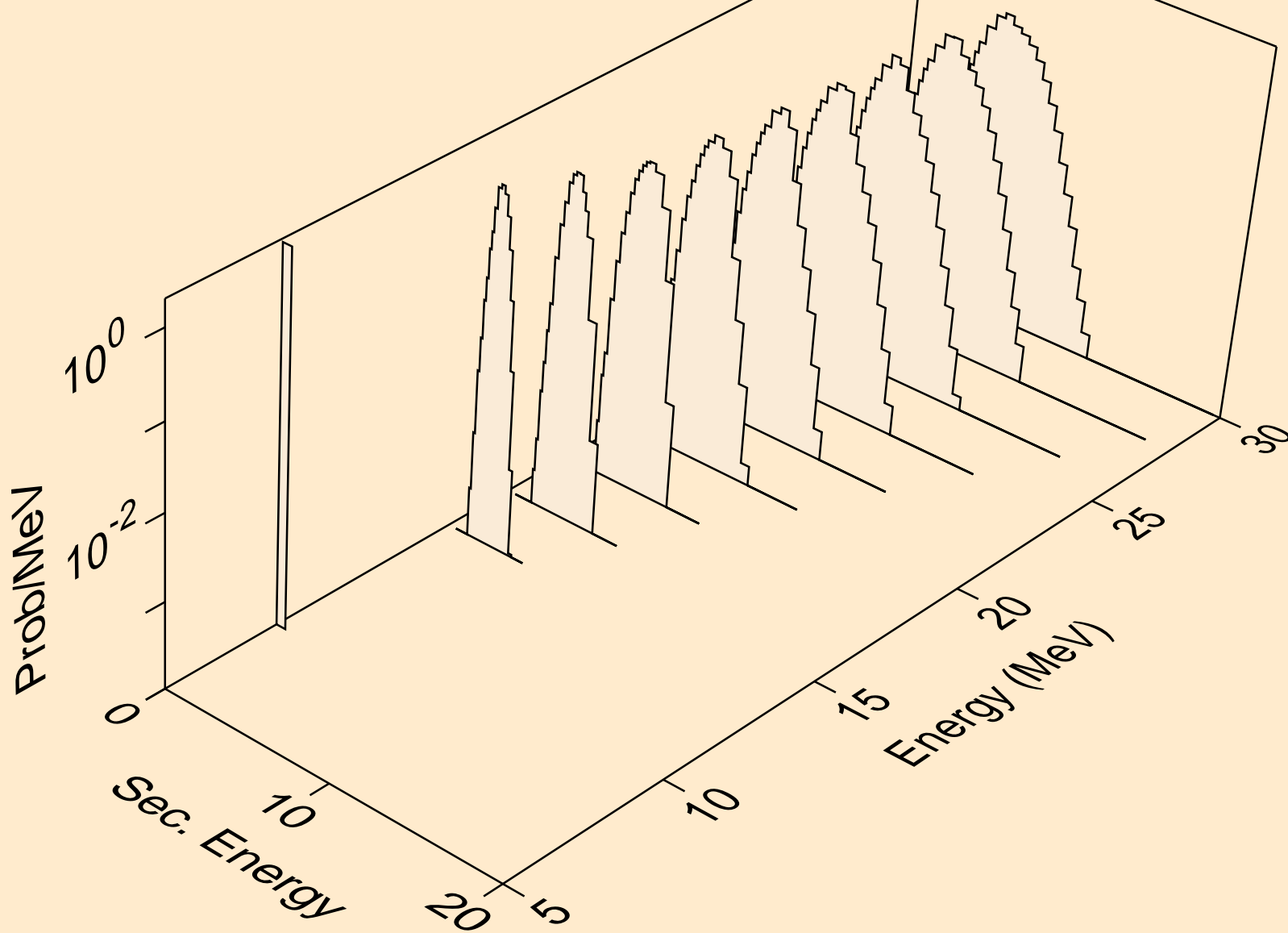
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



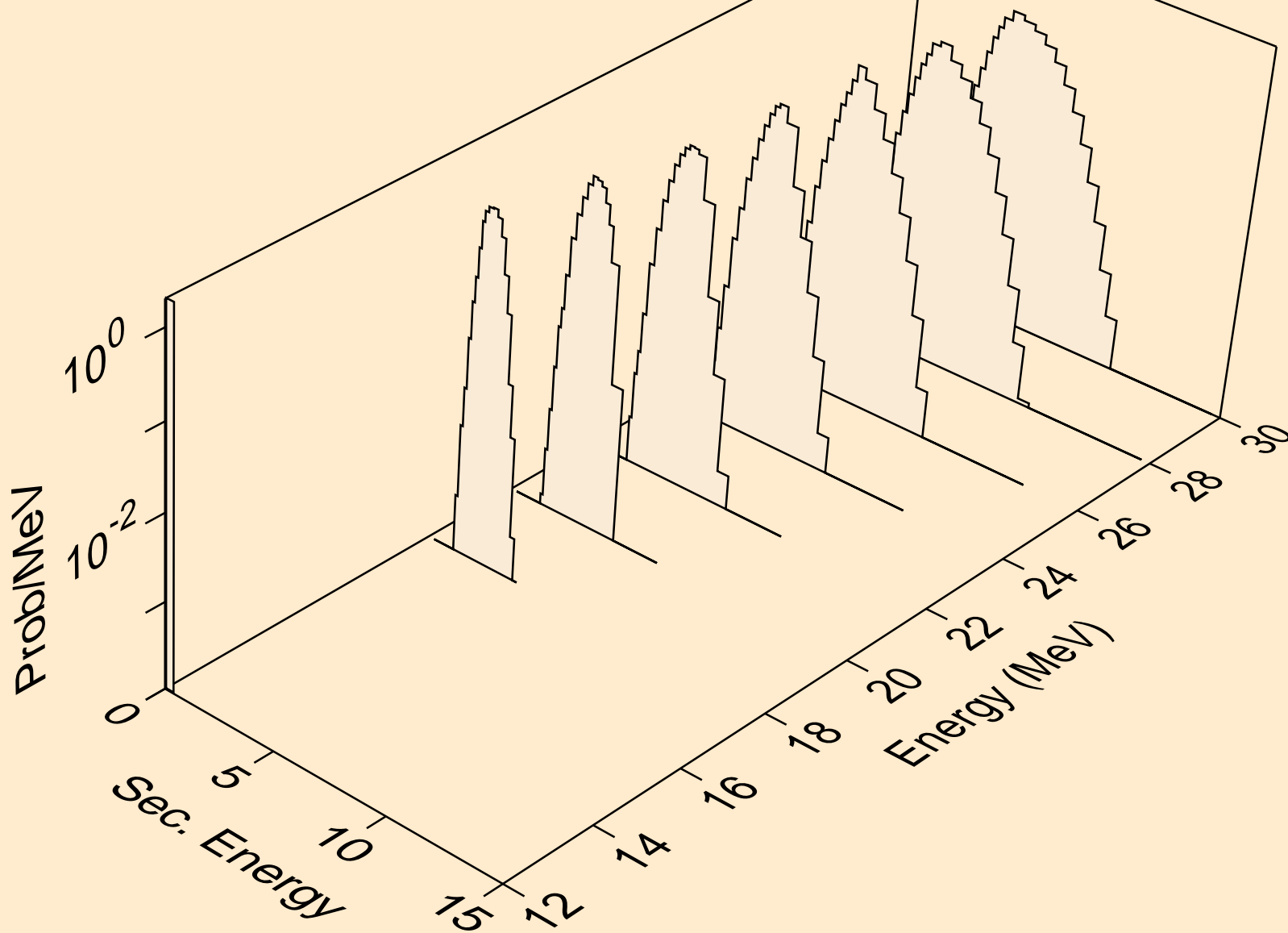
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



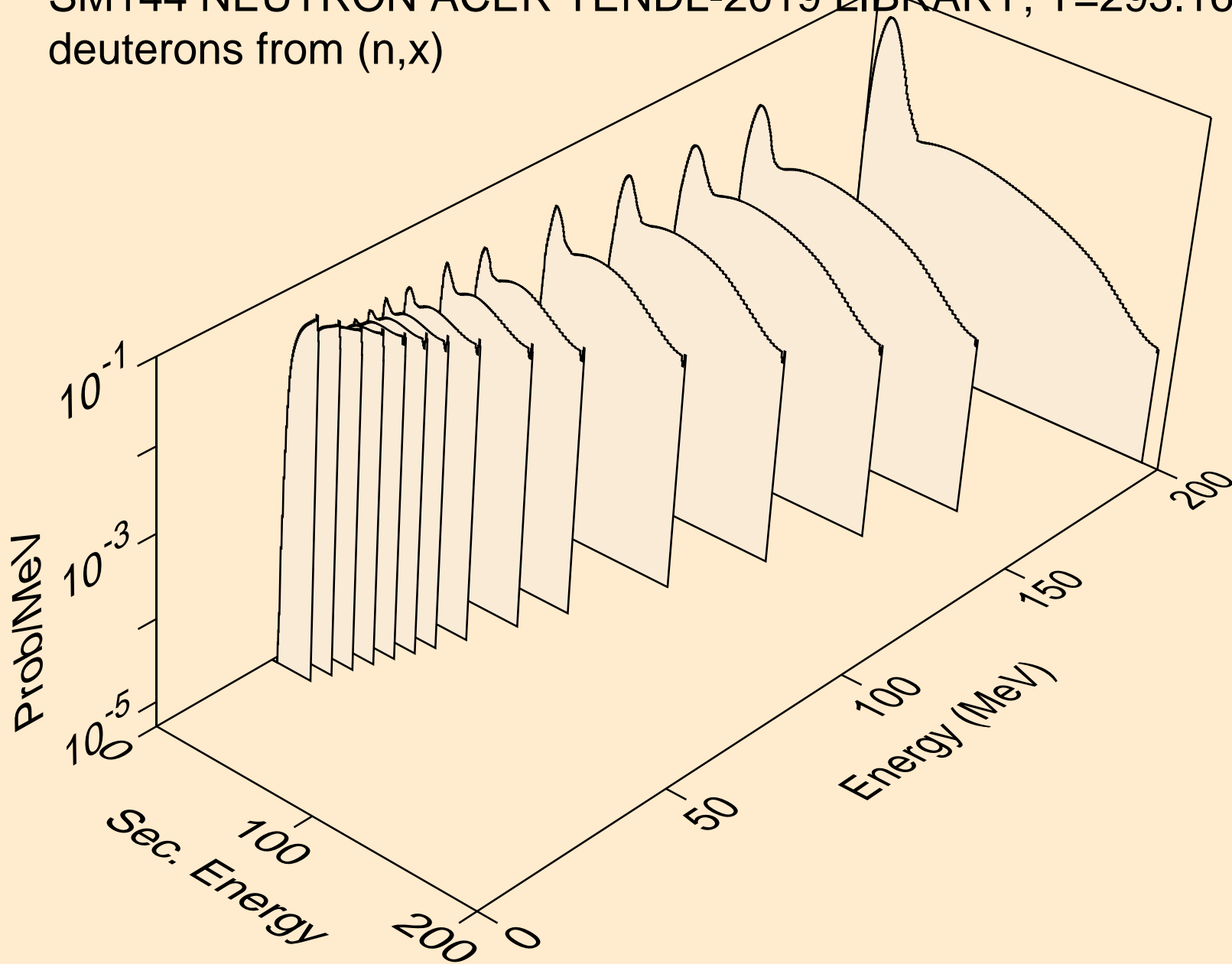
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



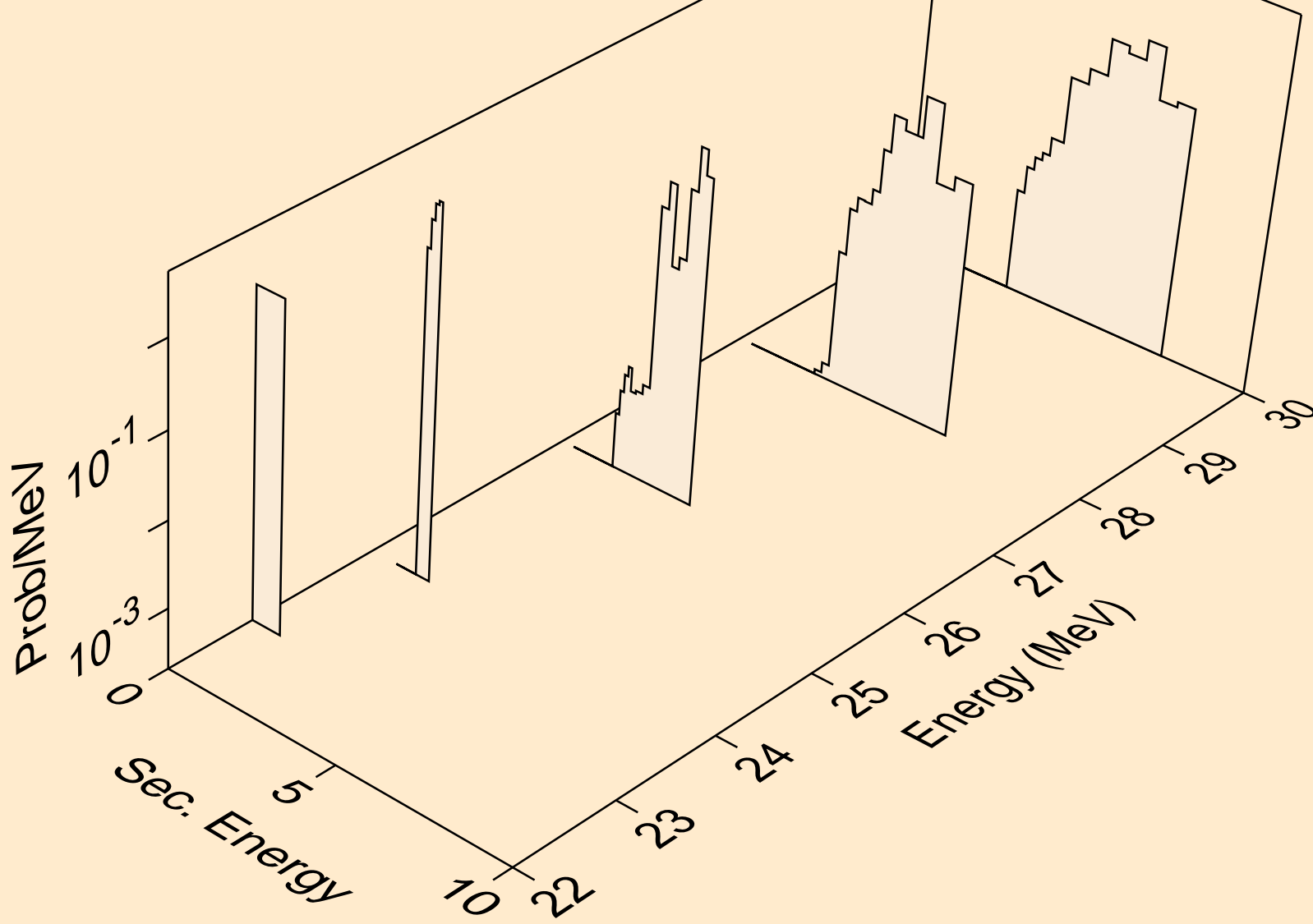
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



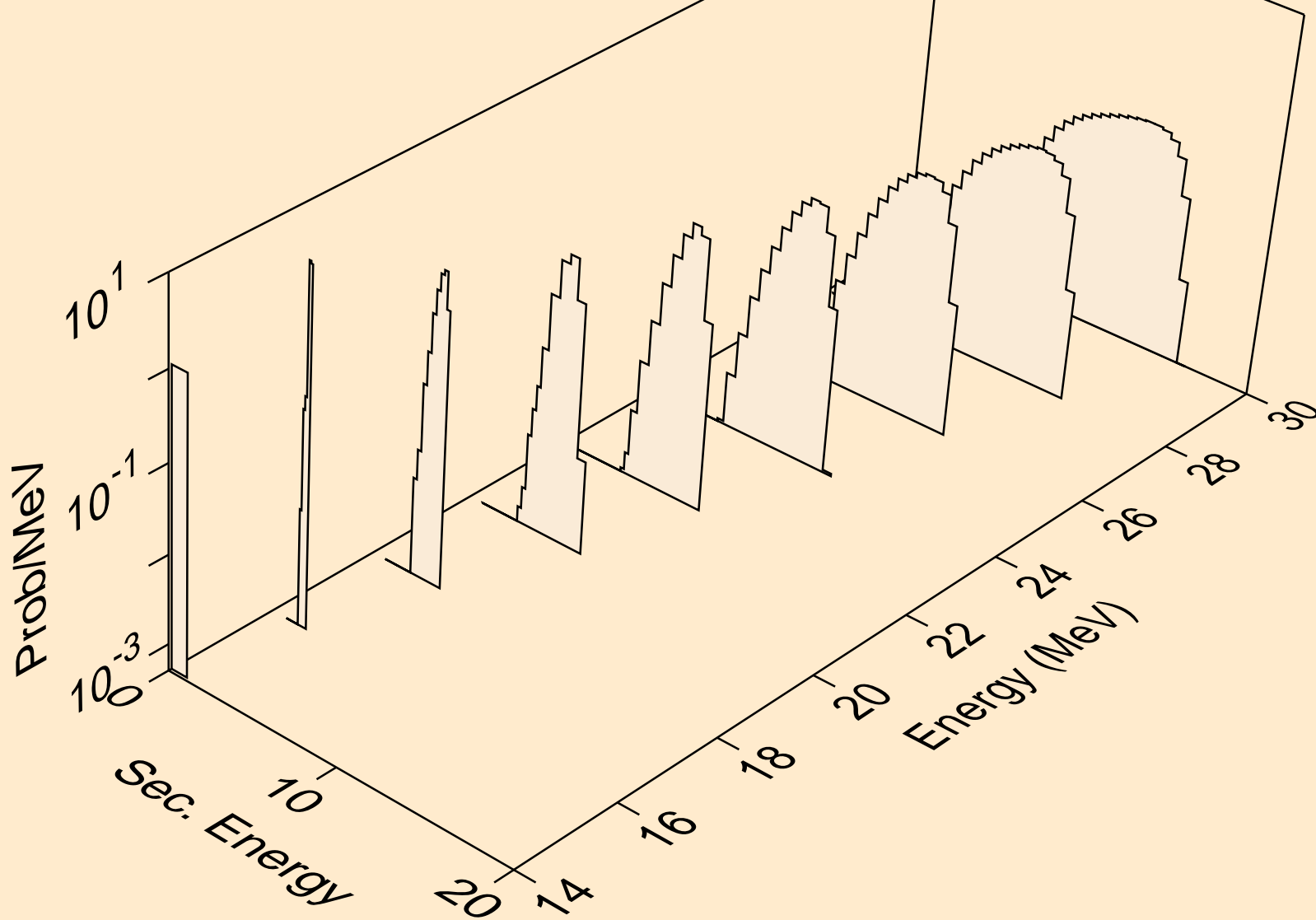
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



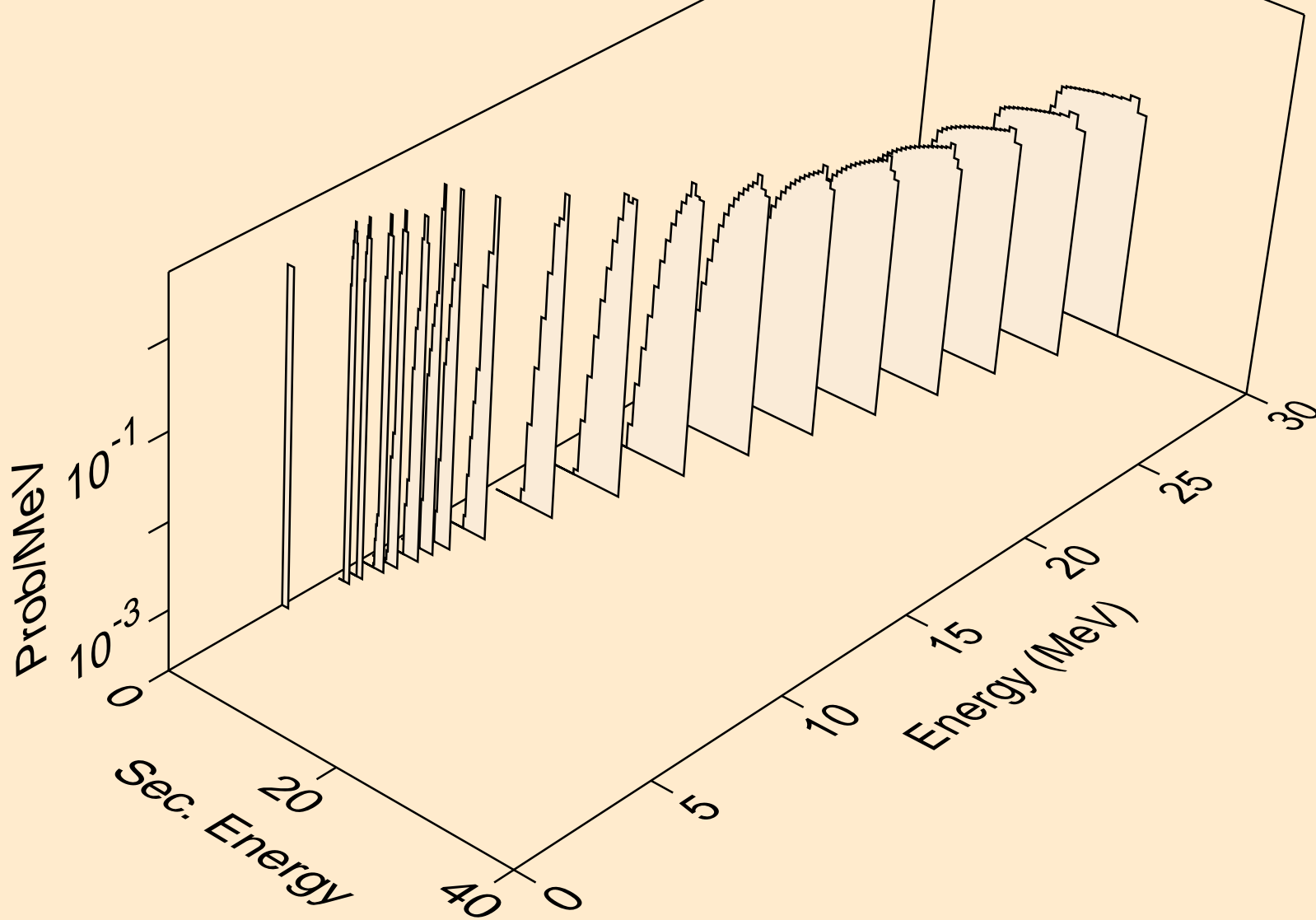
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



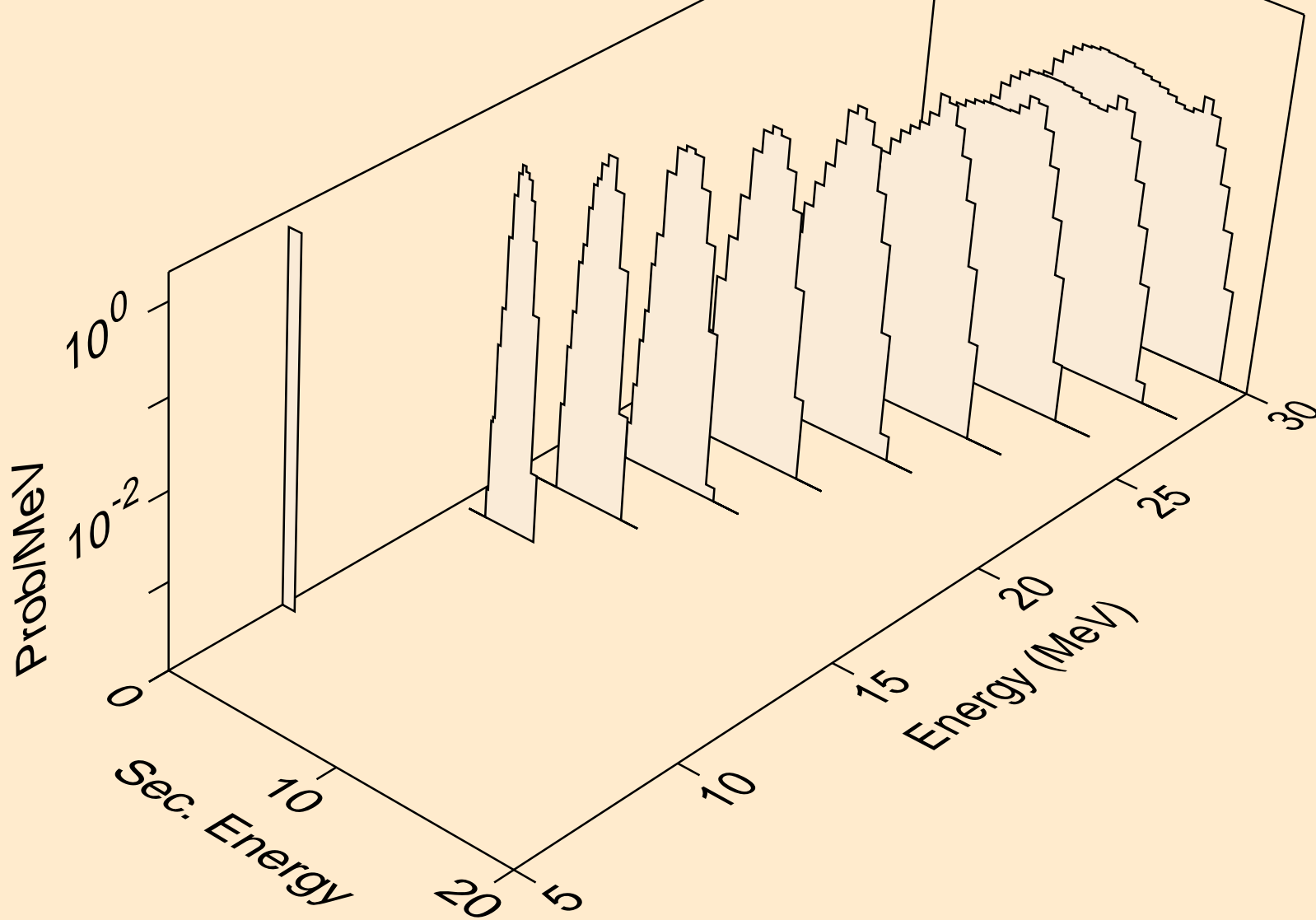
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



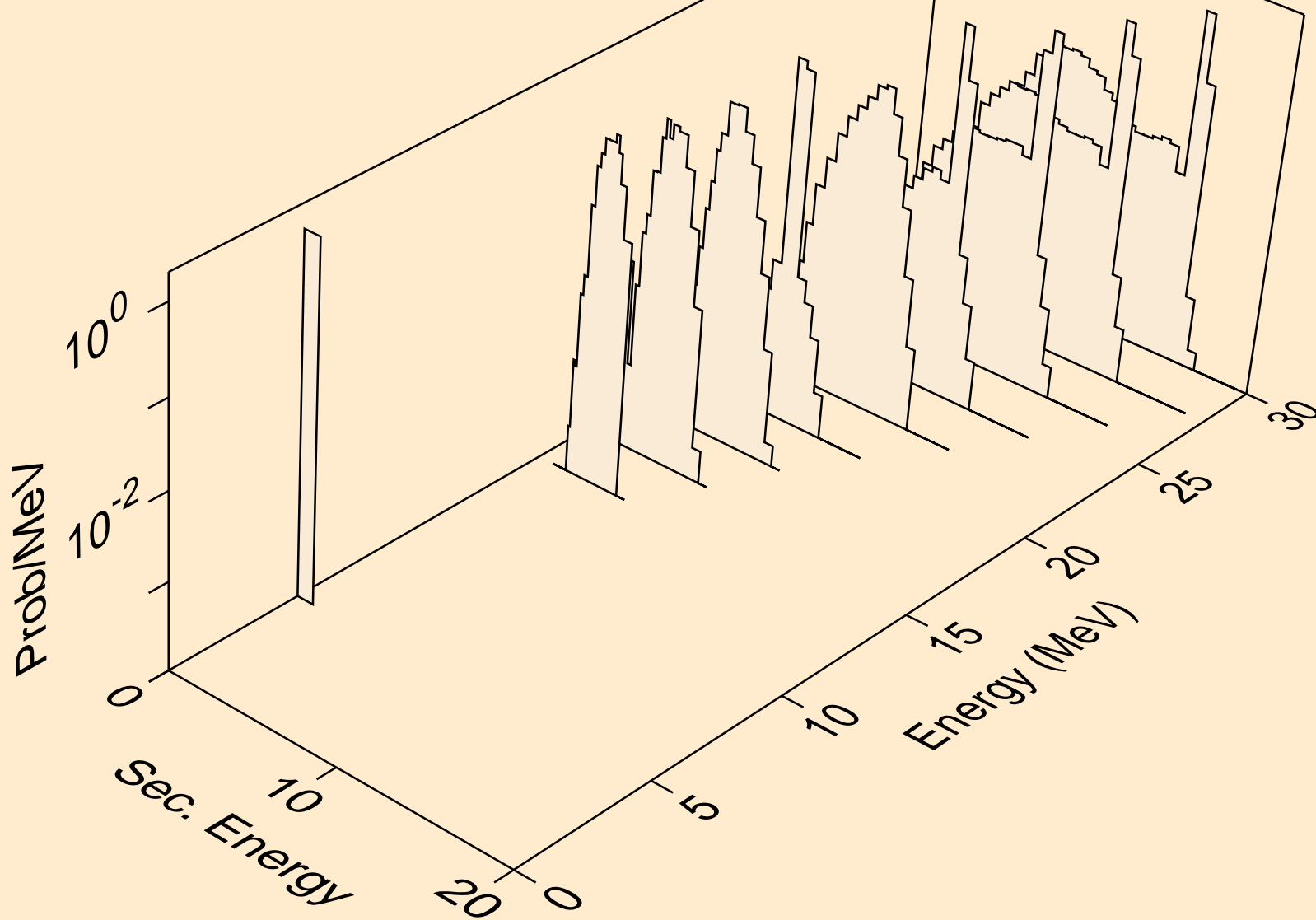
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



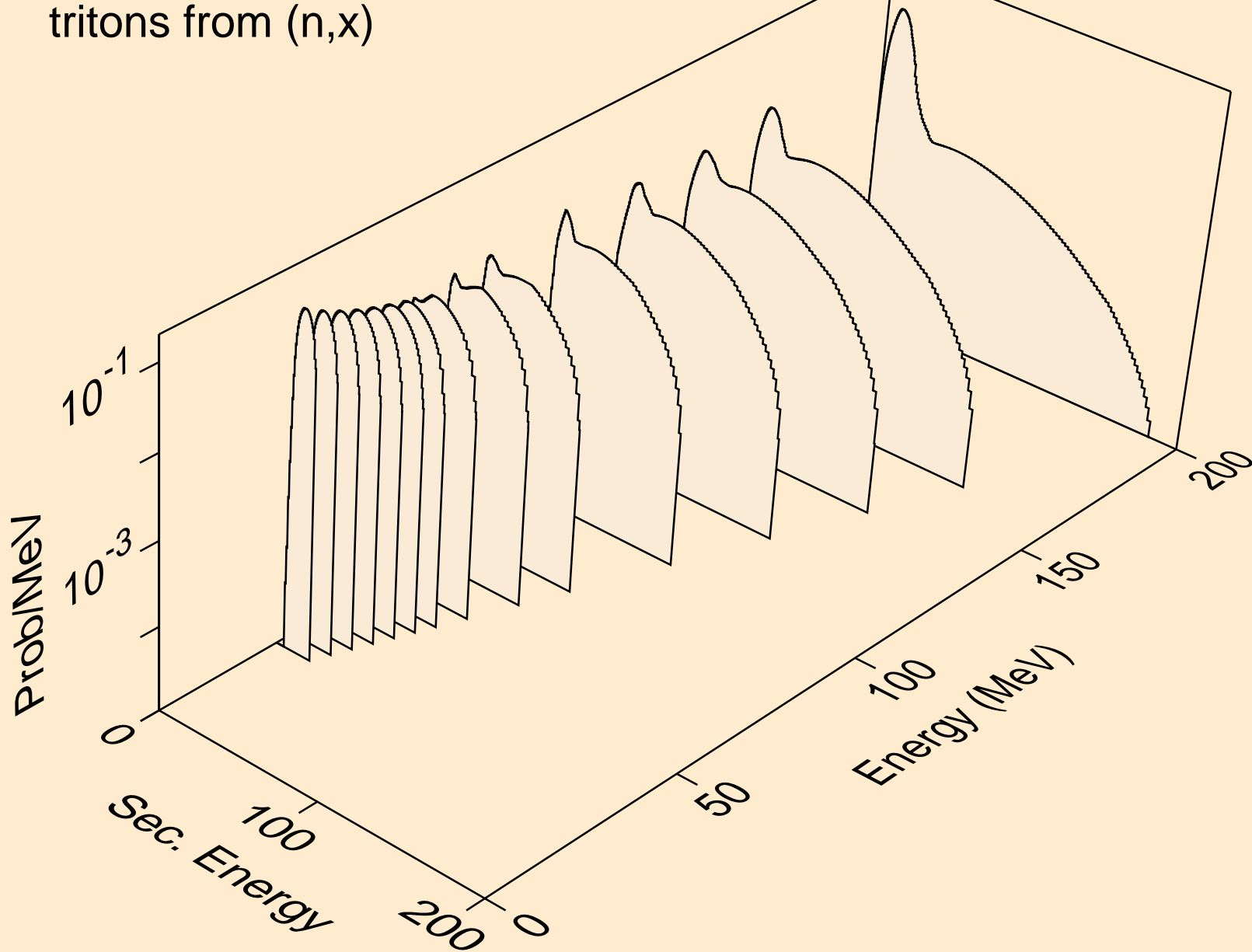
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



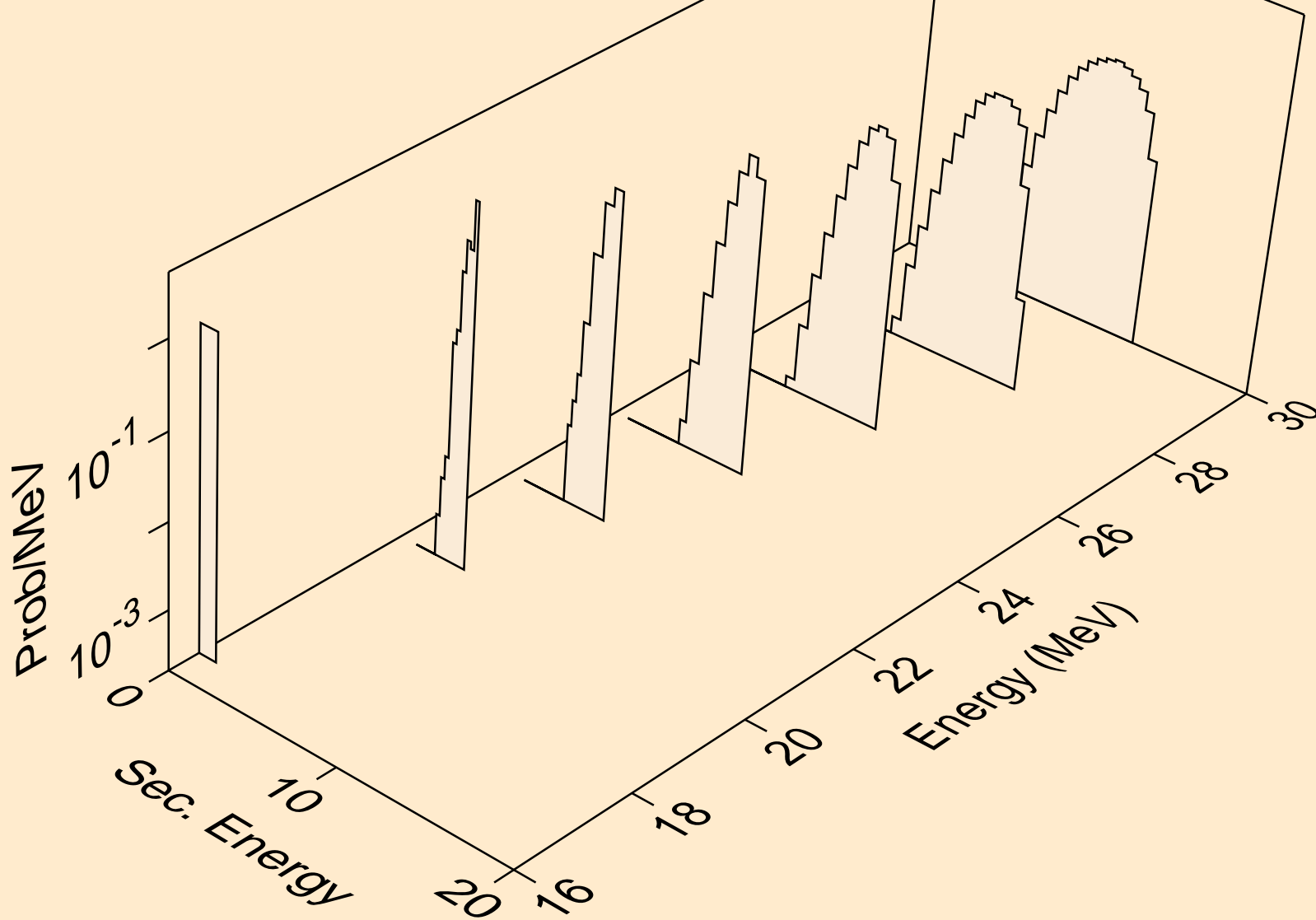
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



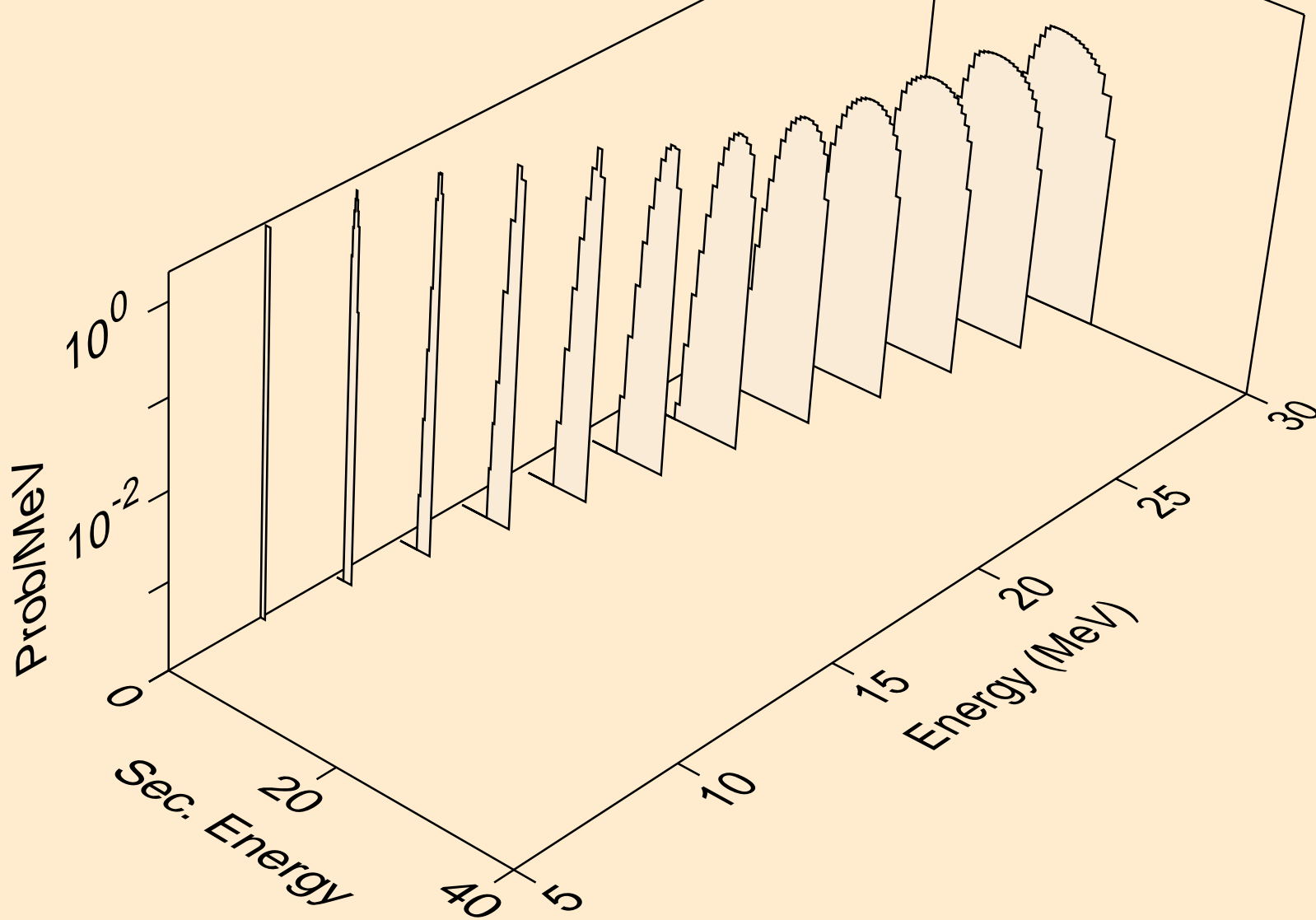
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



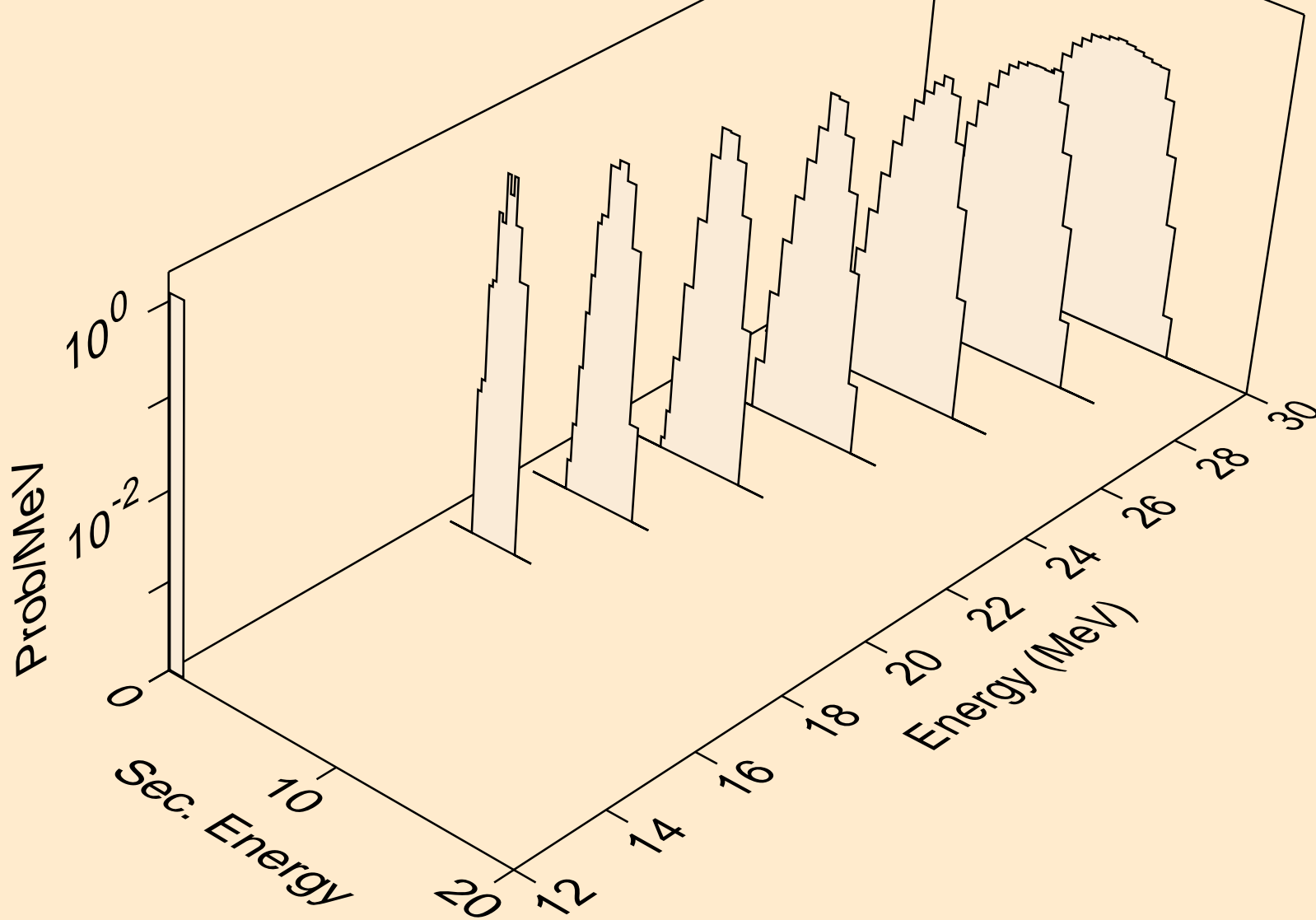
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



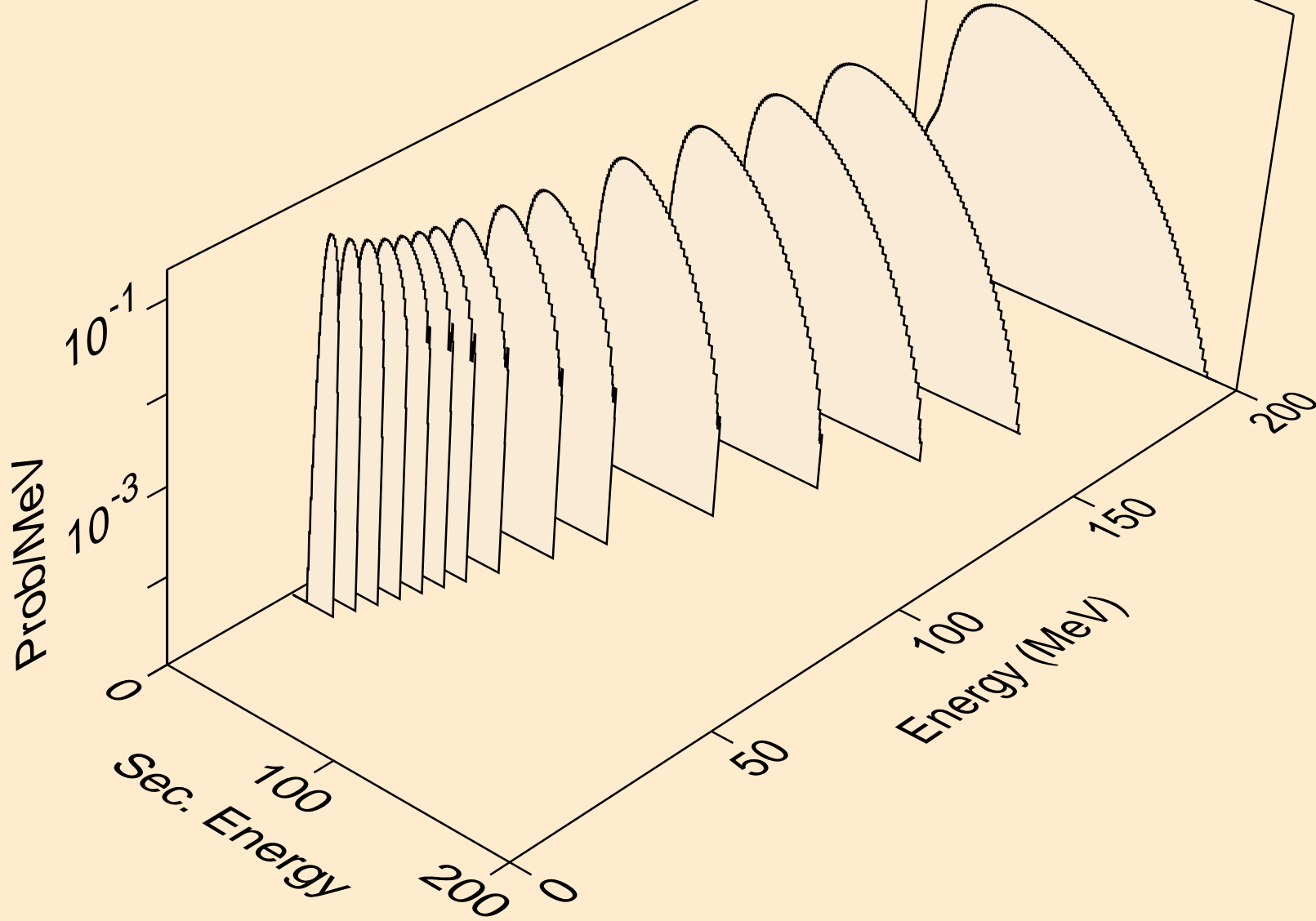
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



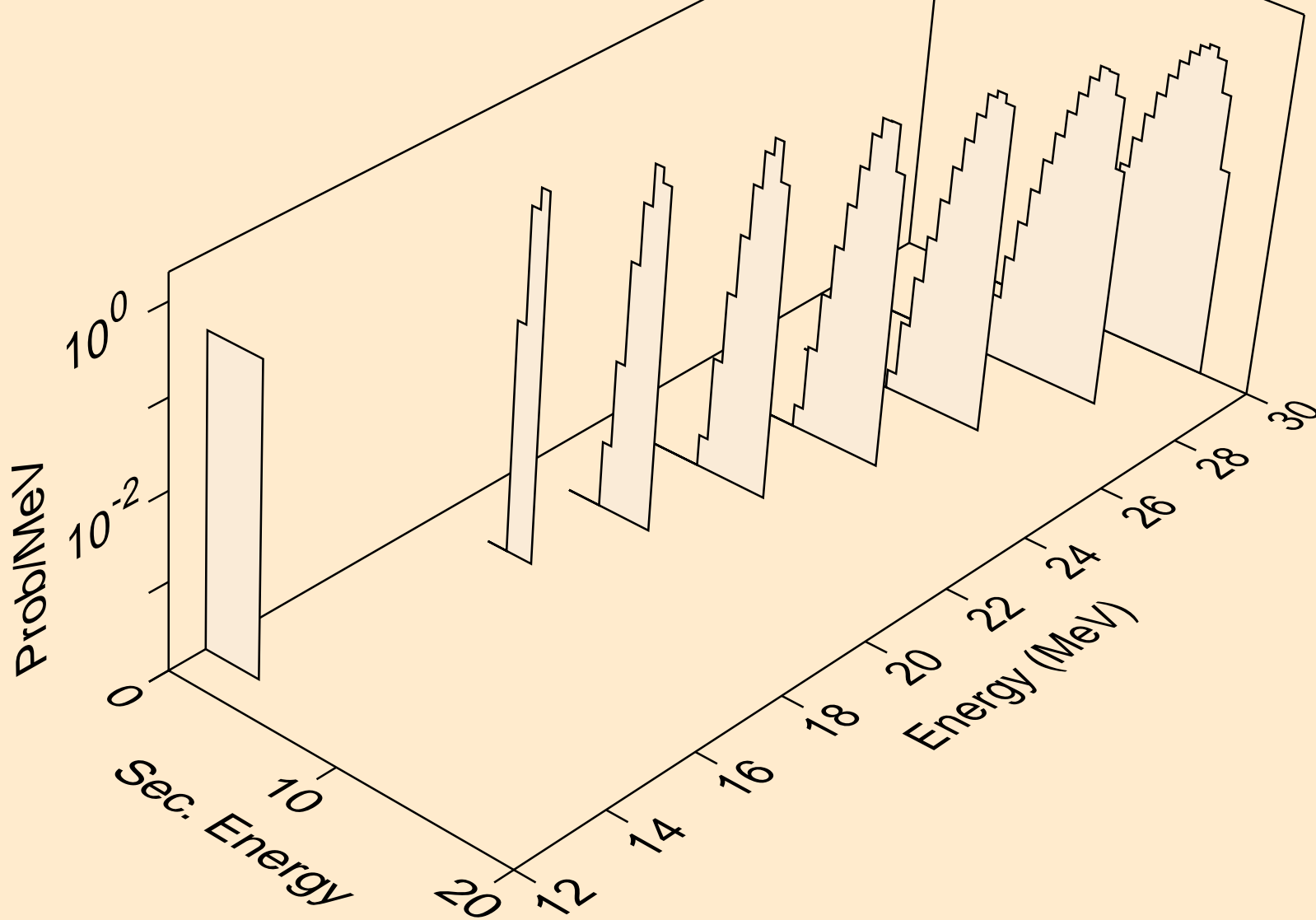
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



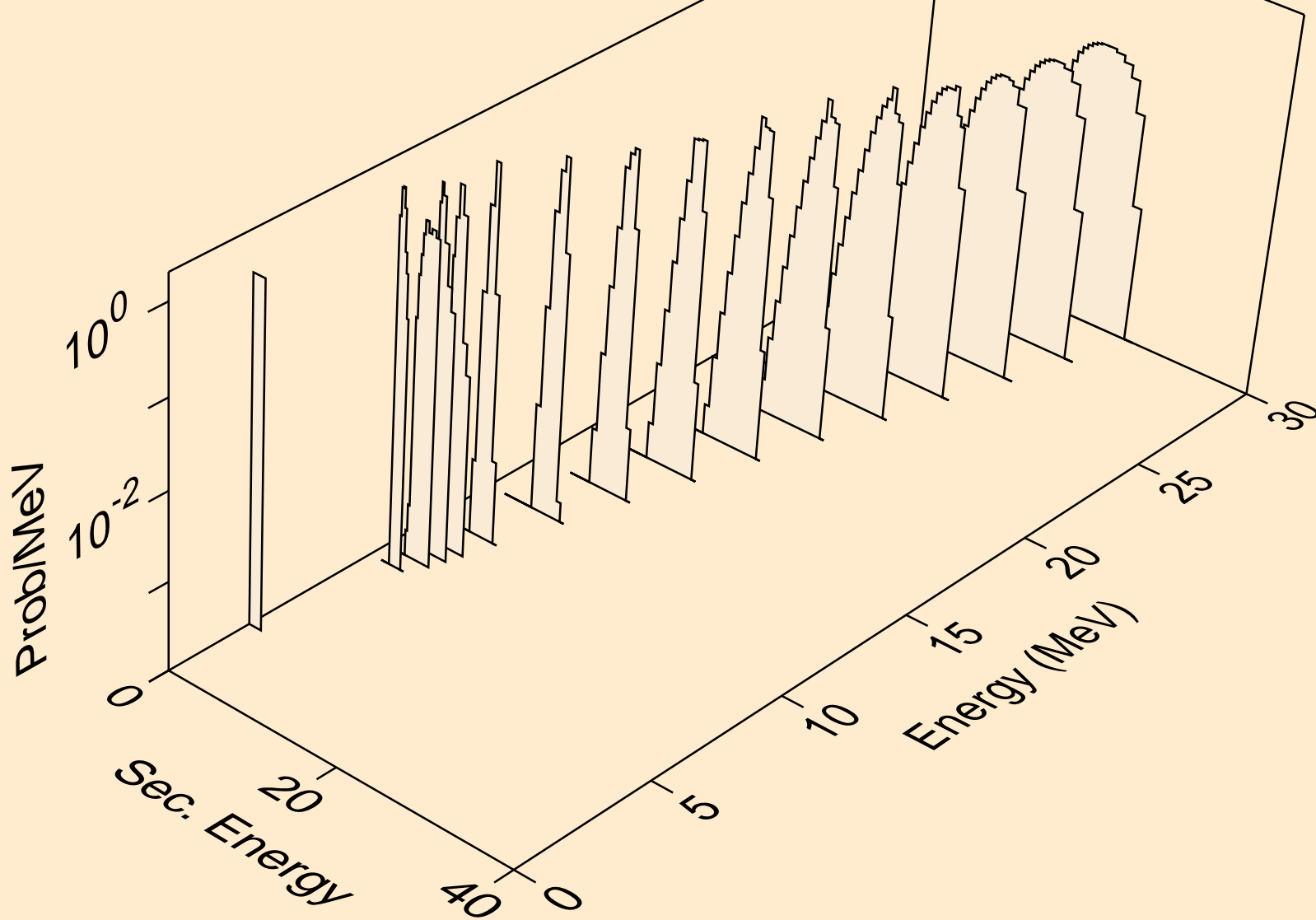
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



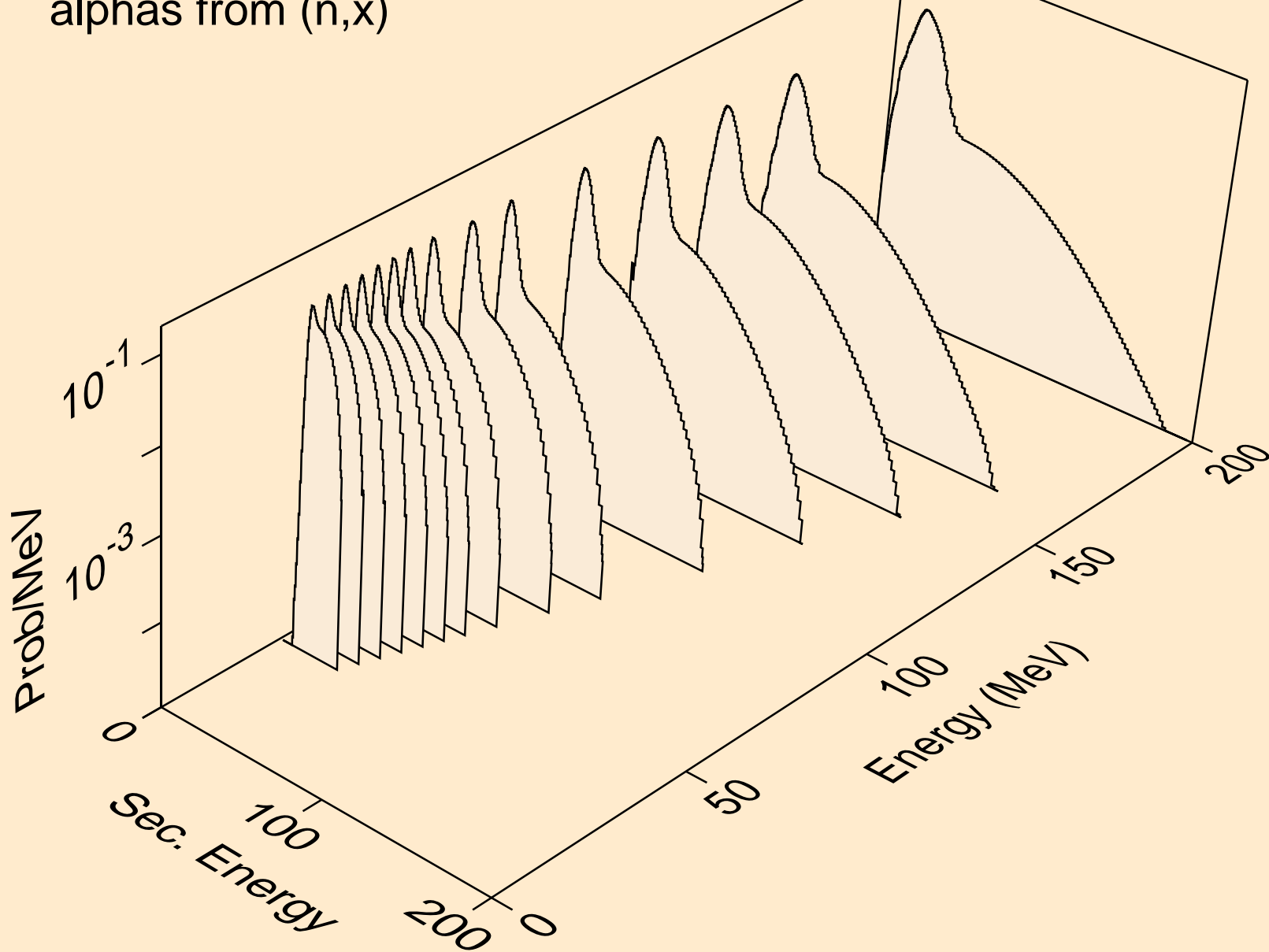
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



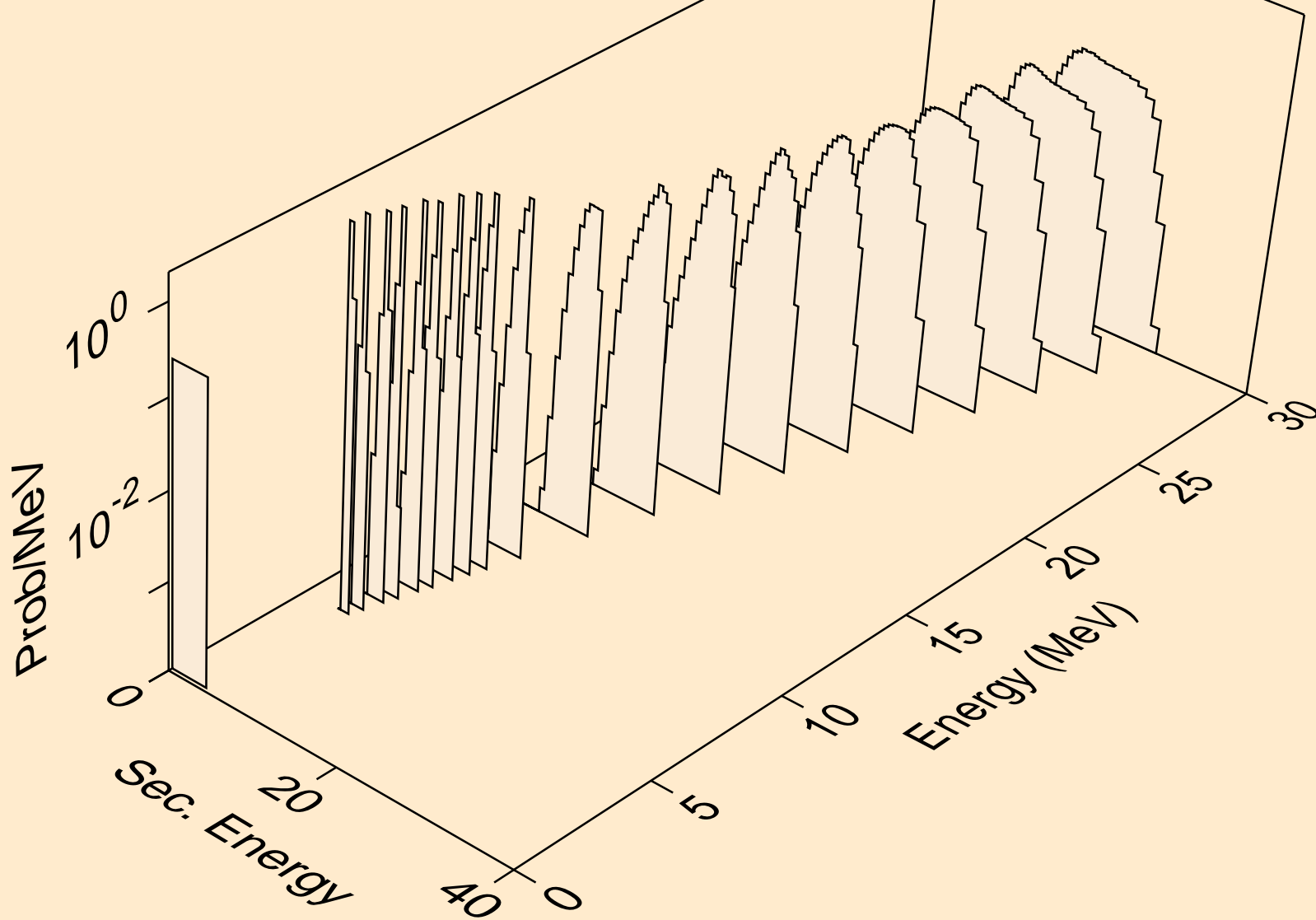
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



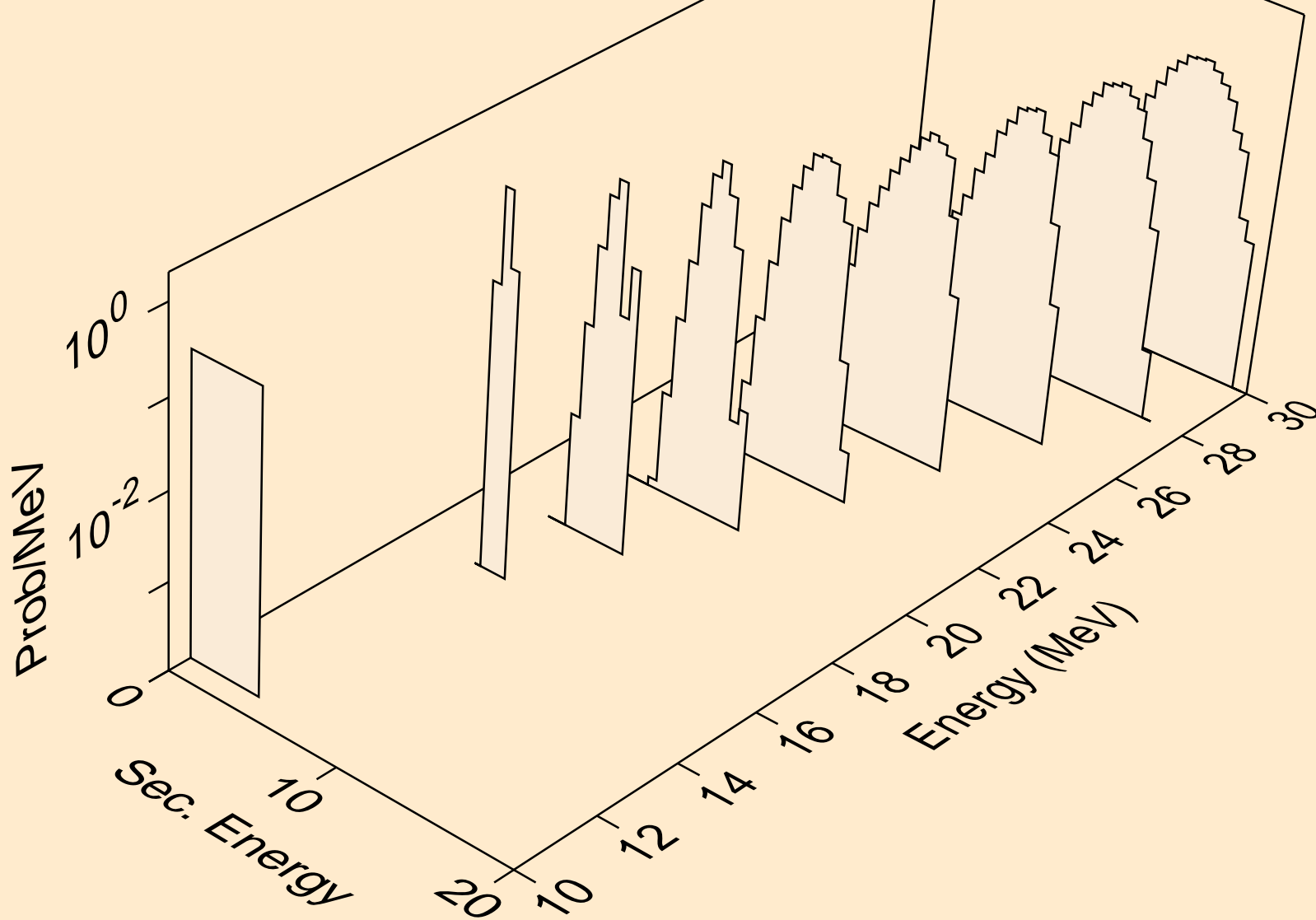
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



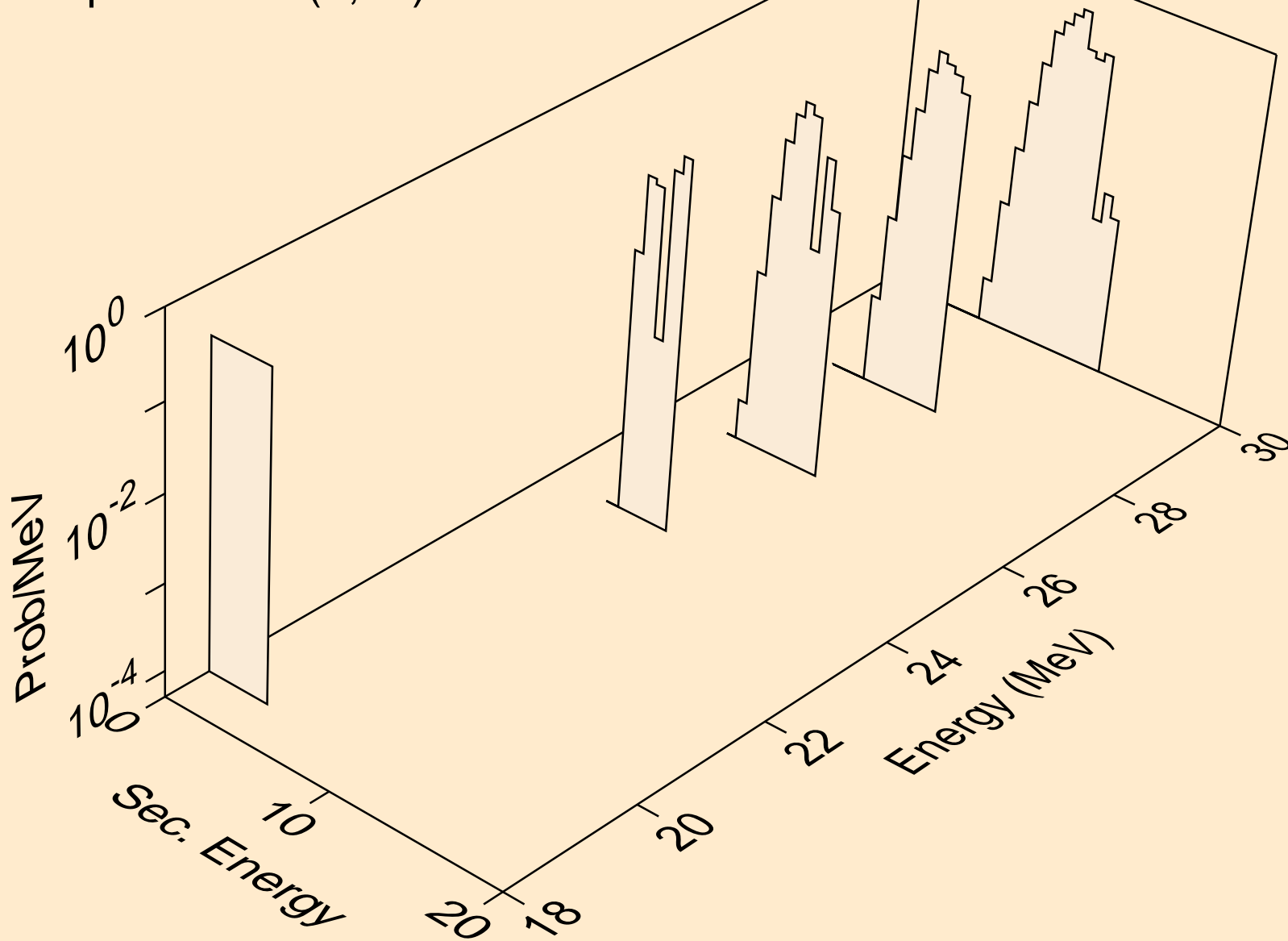
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



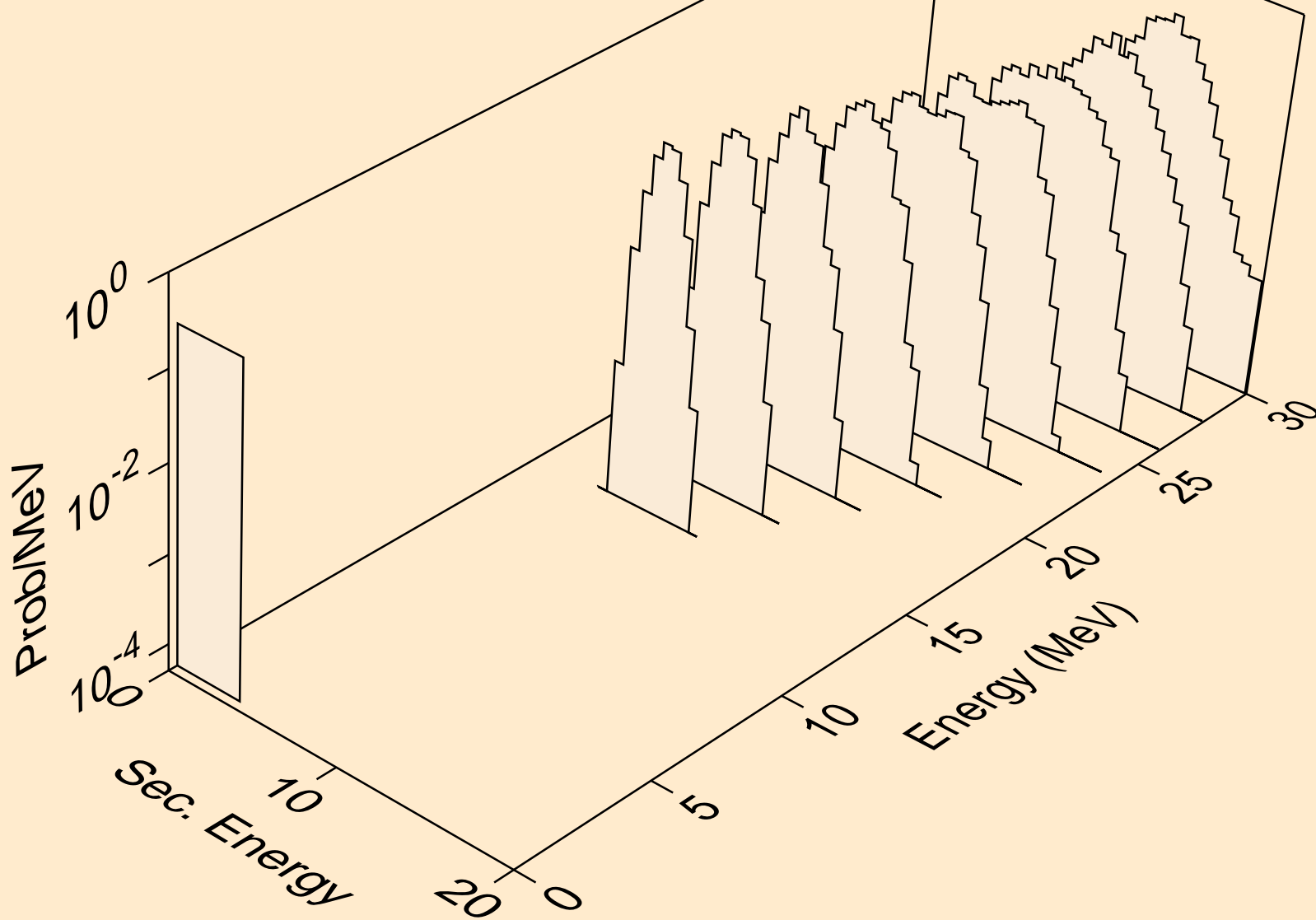
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



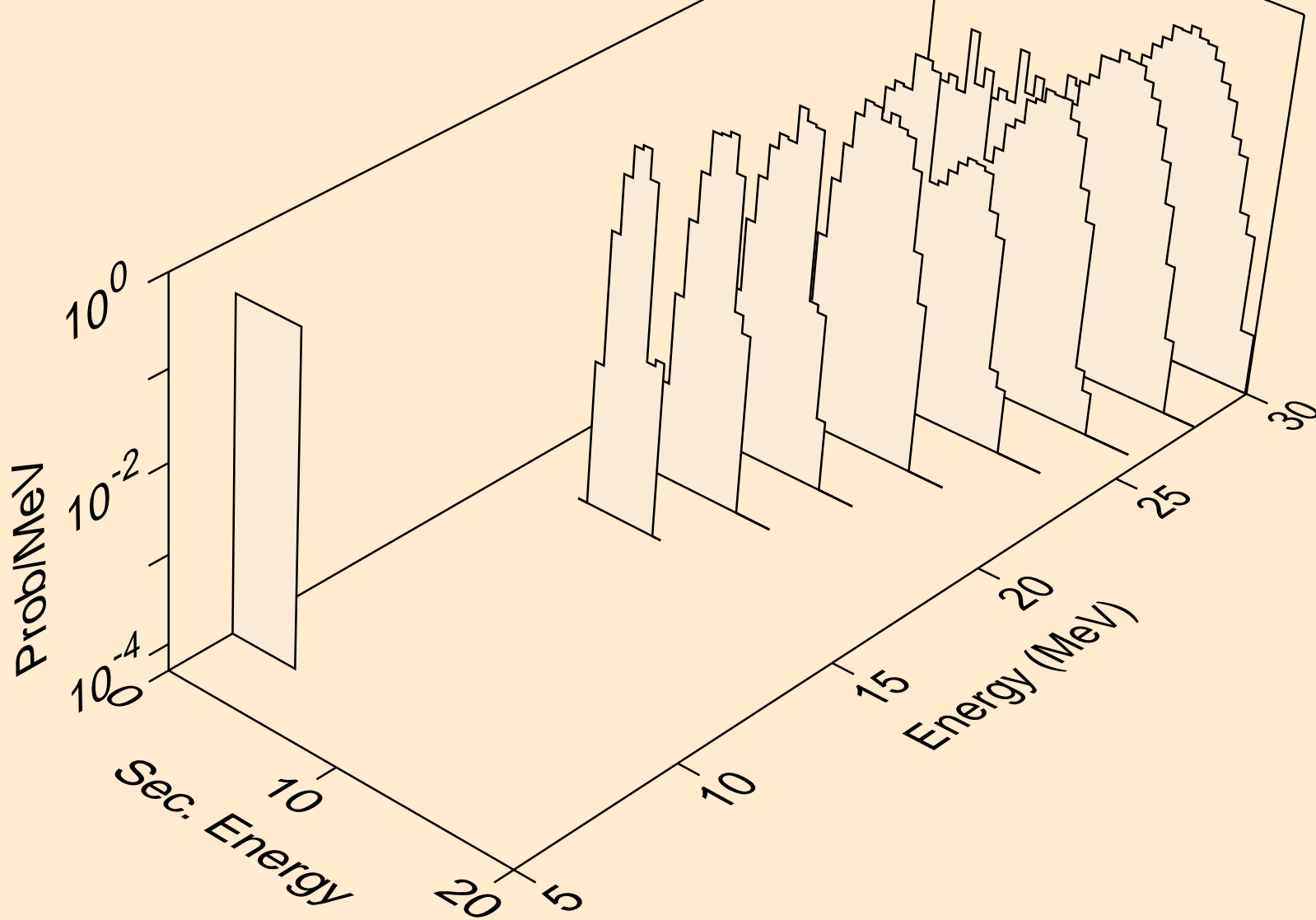
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



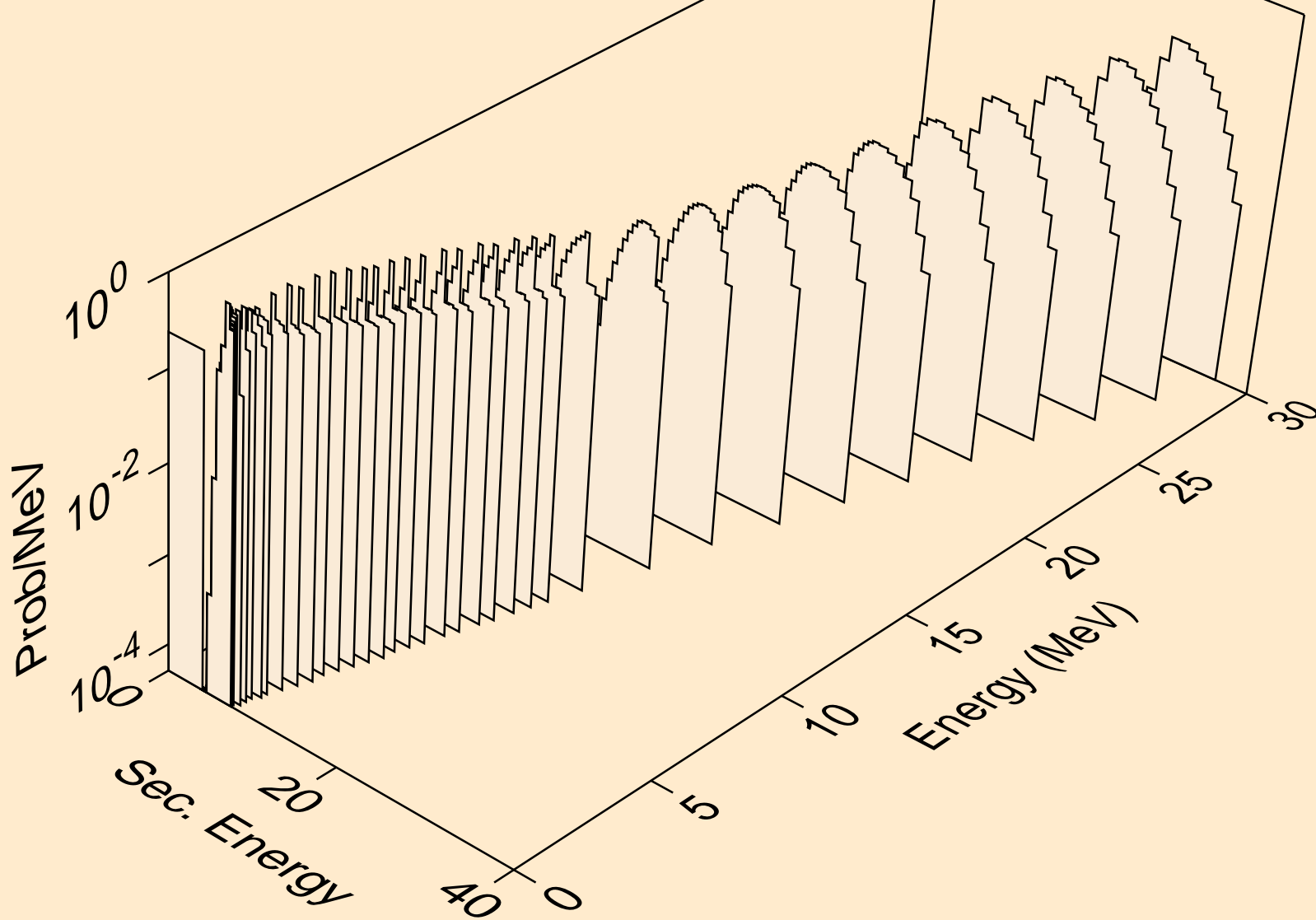
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



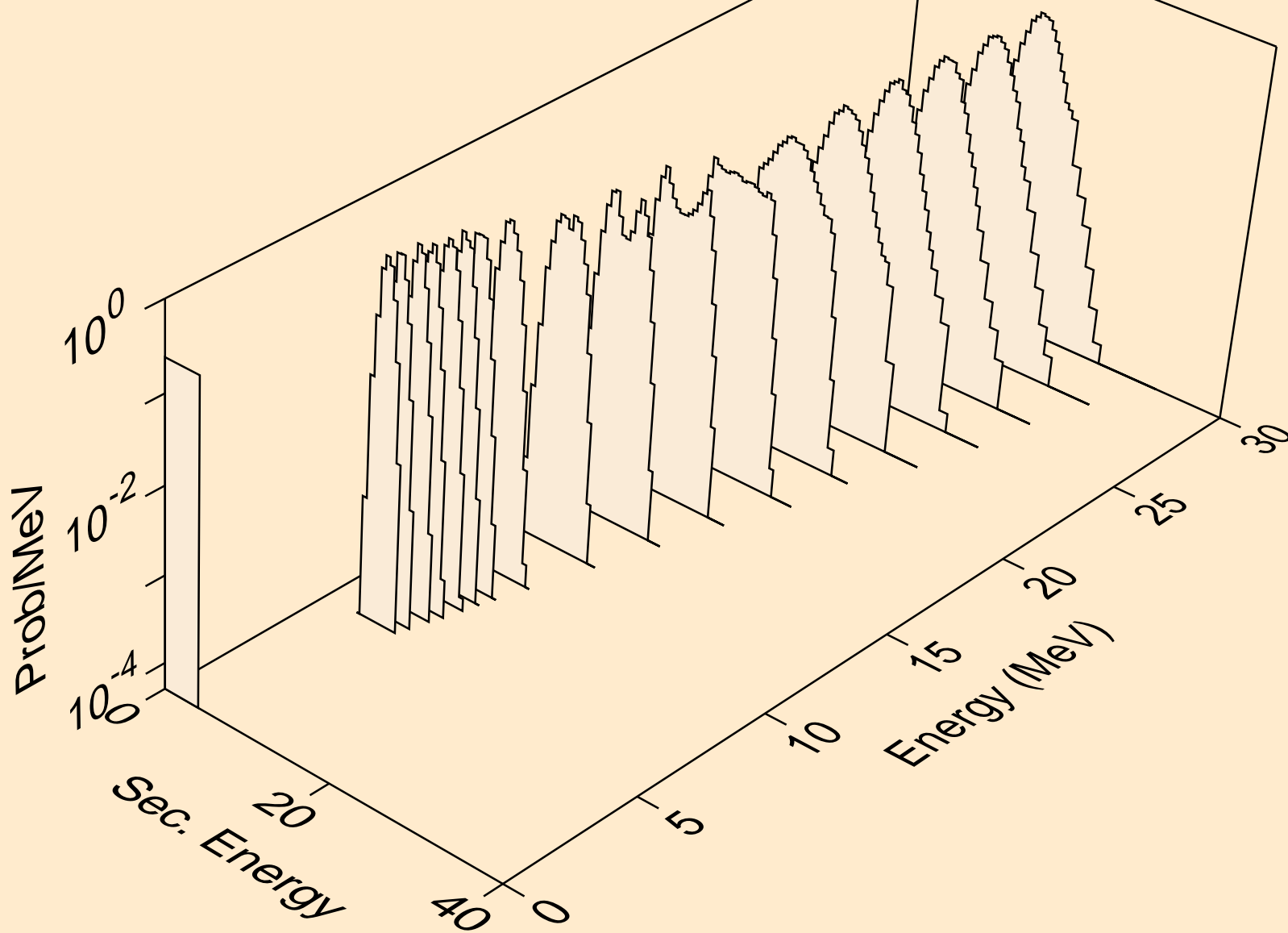
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



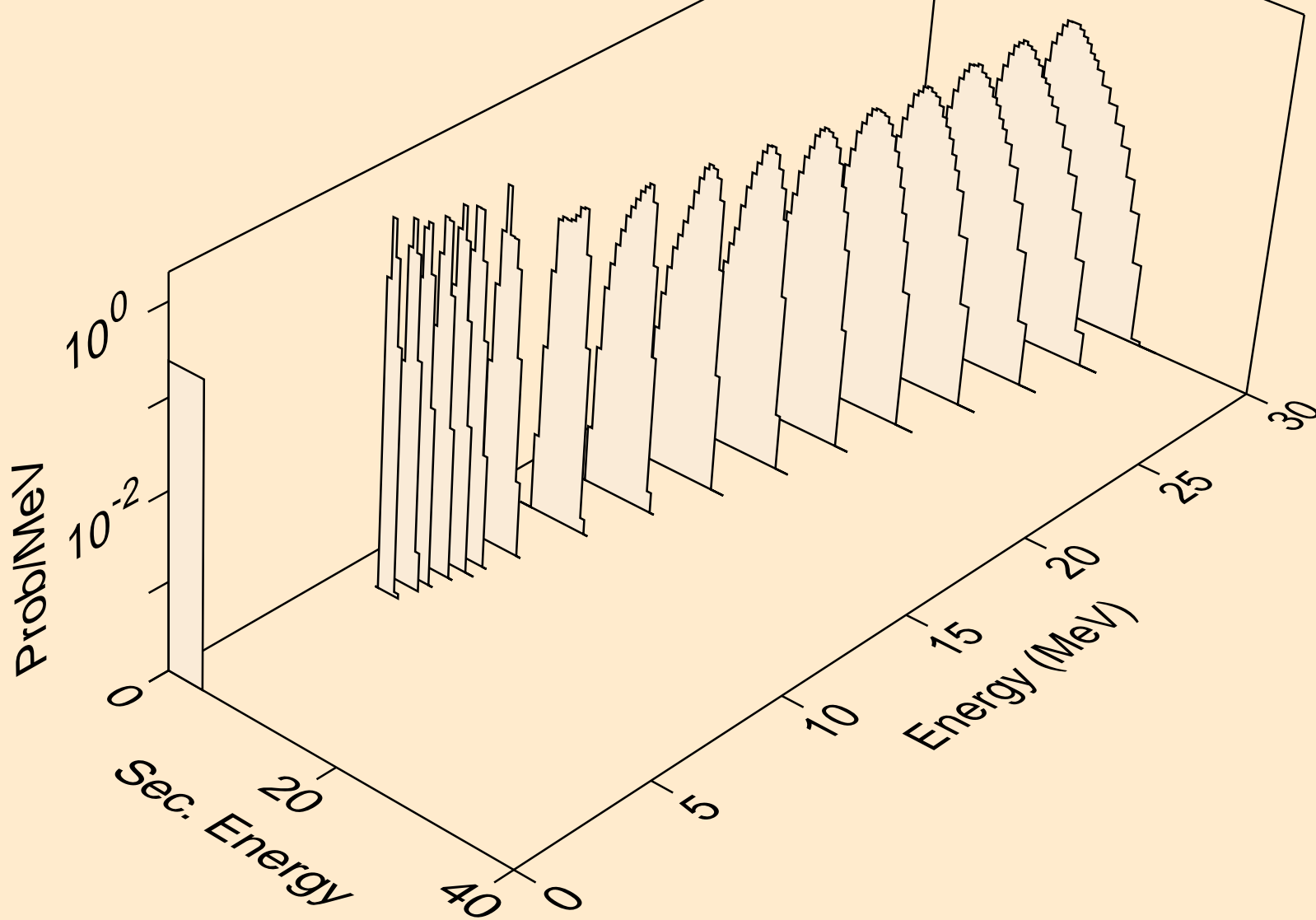
SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



SM144 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

