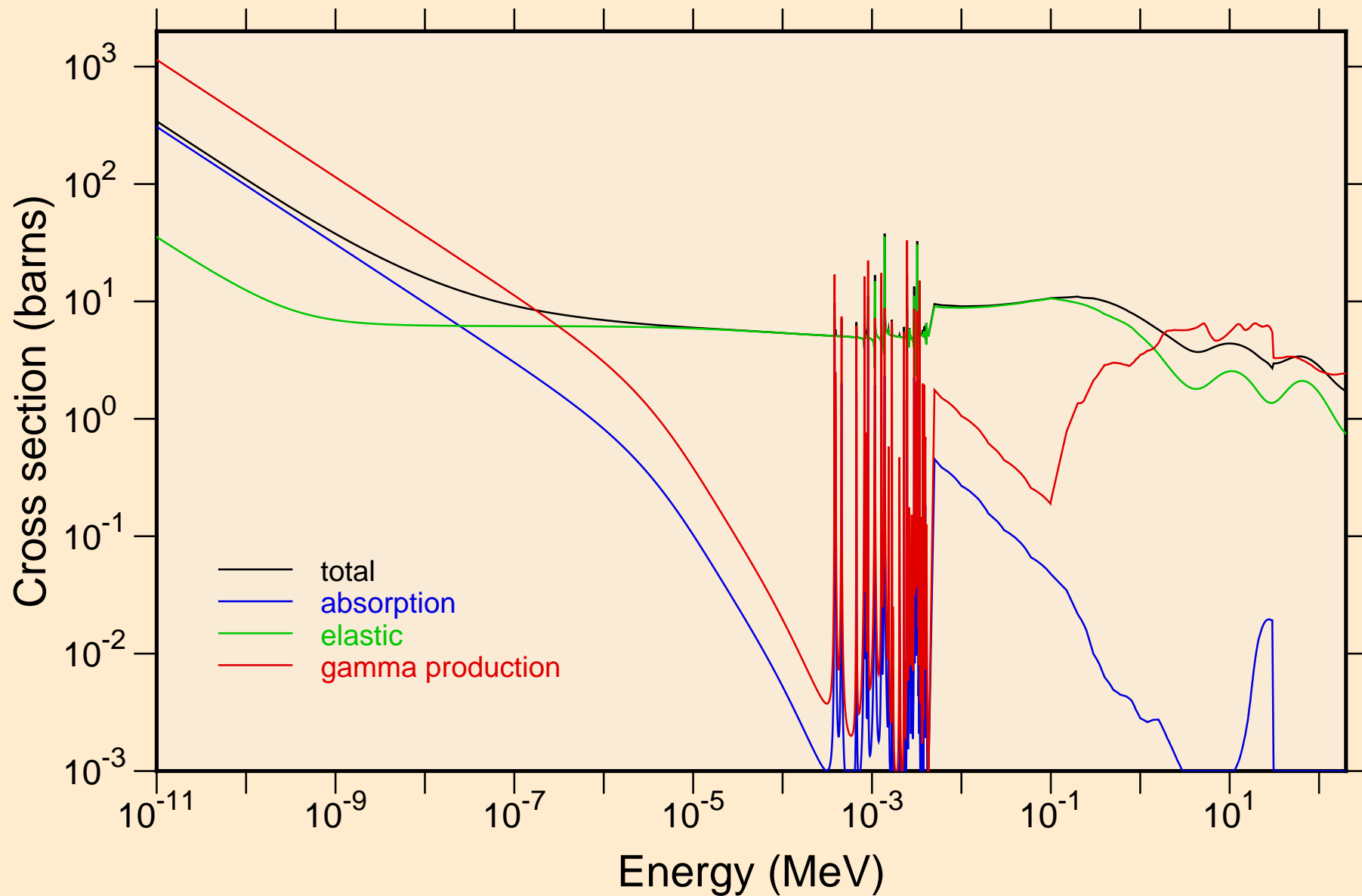
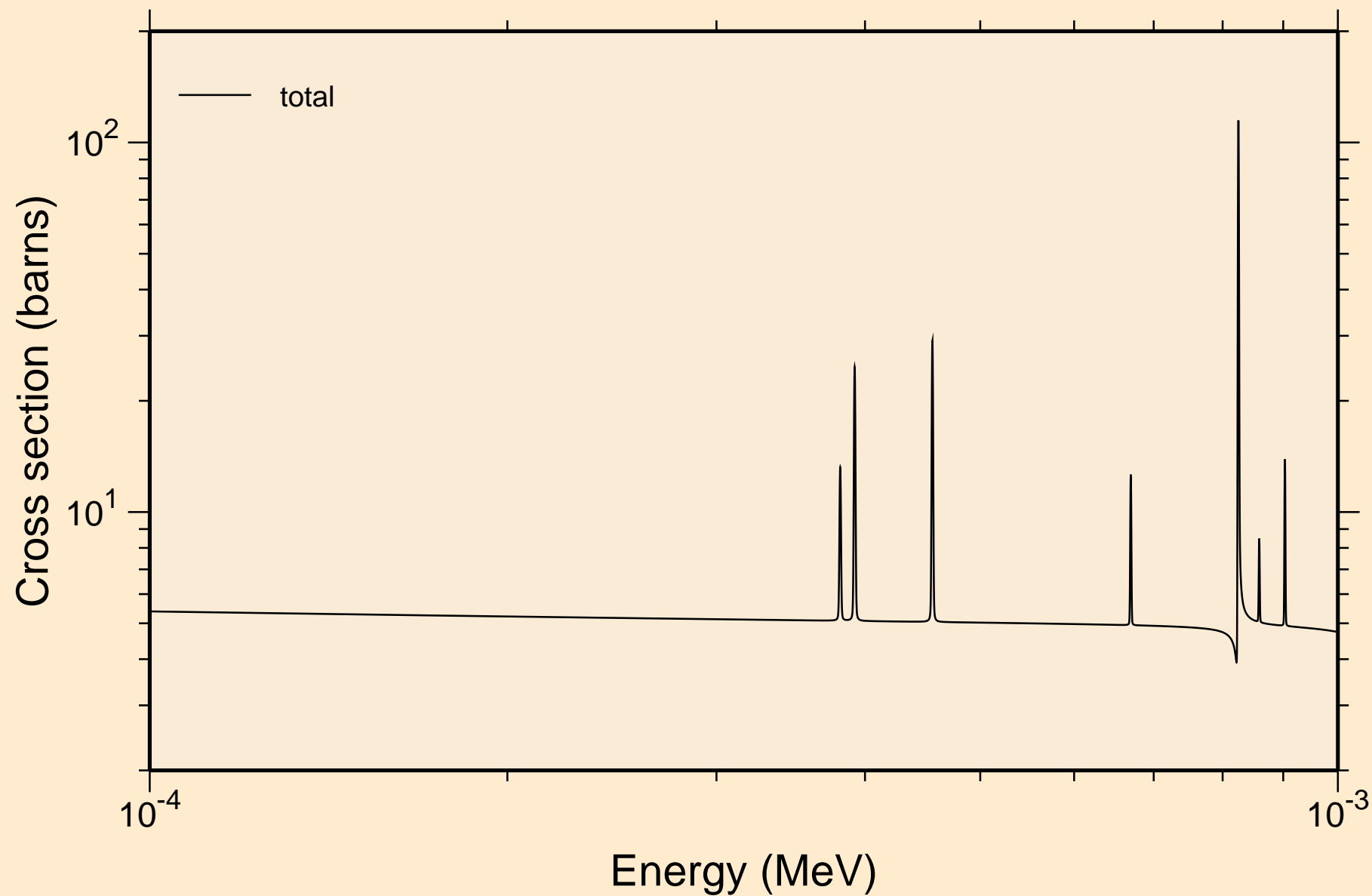


ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

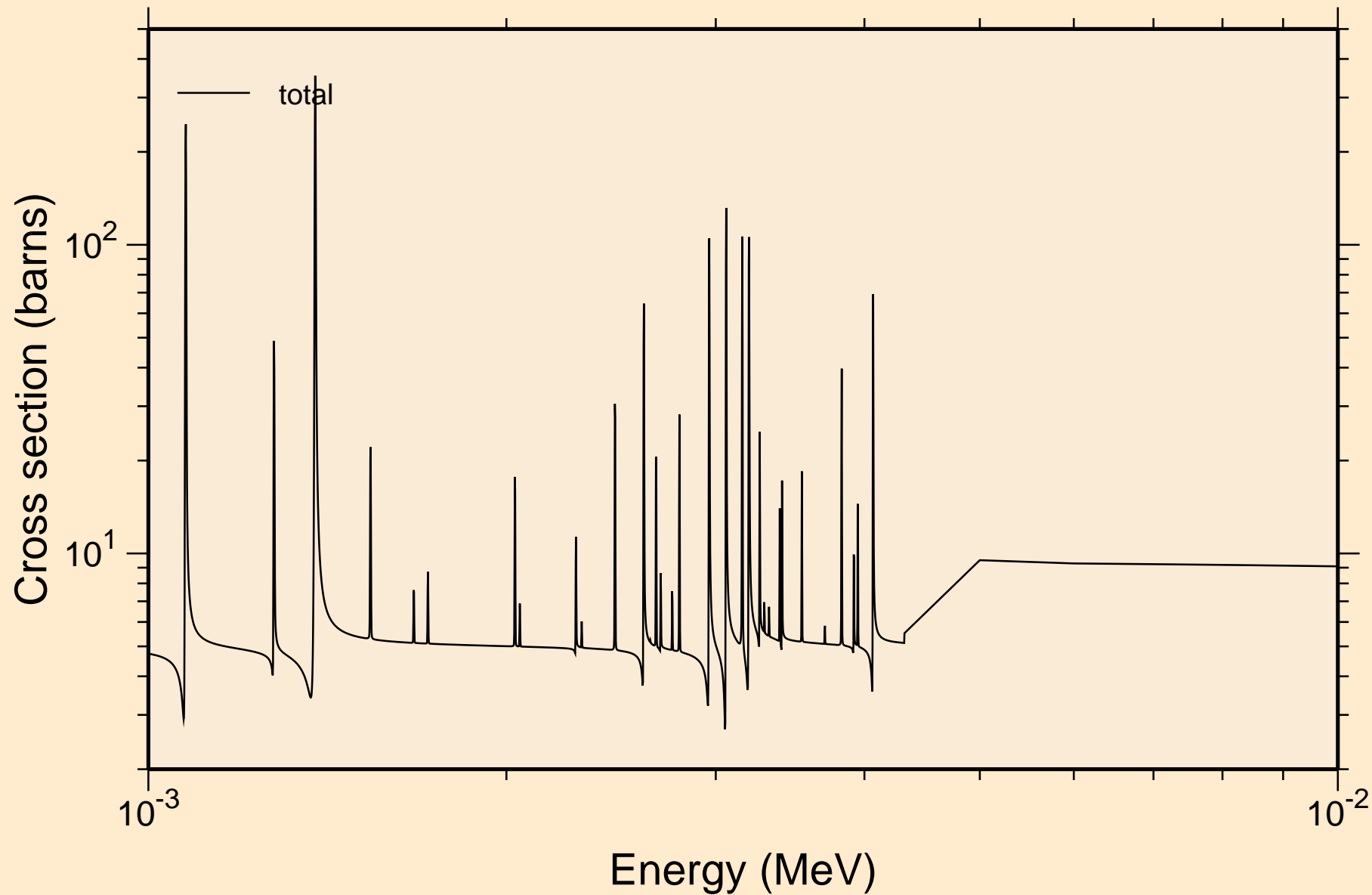
Principal cross sections



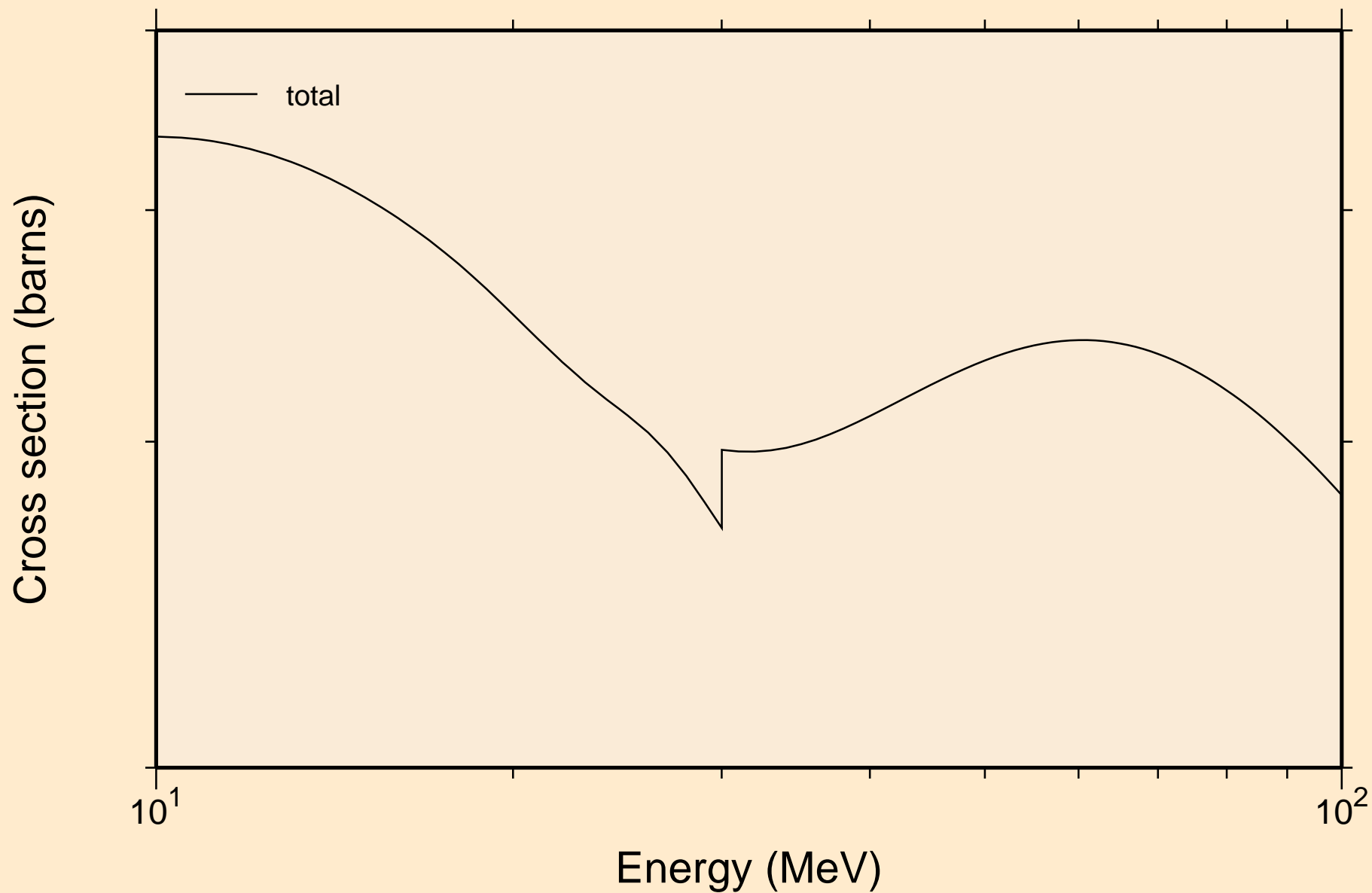
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



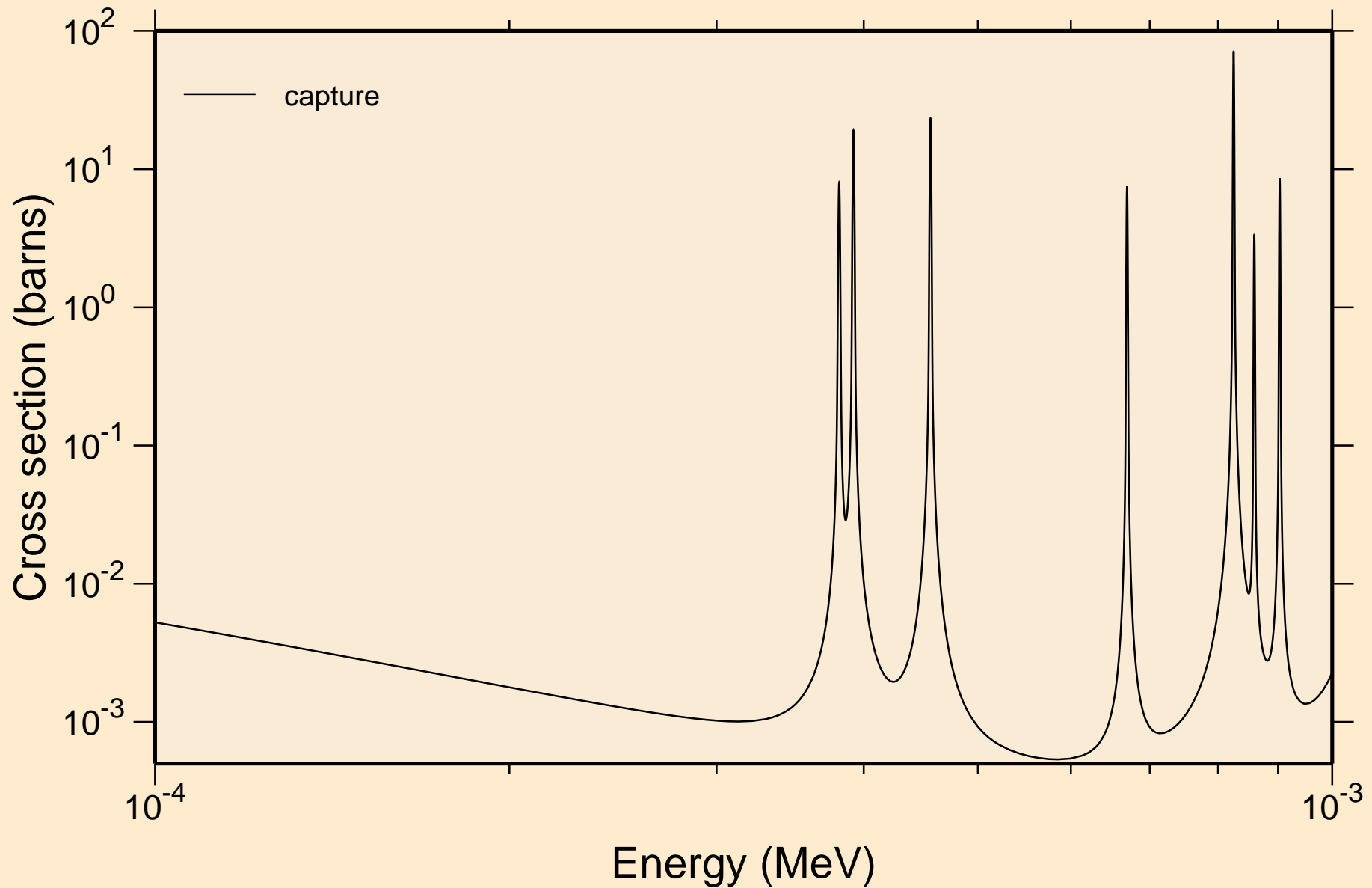
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



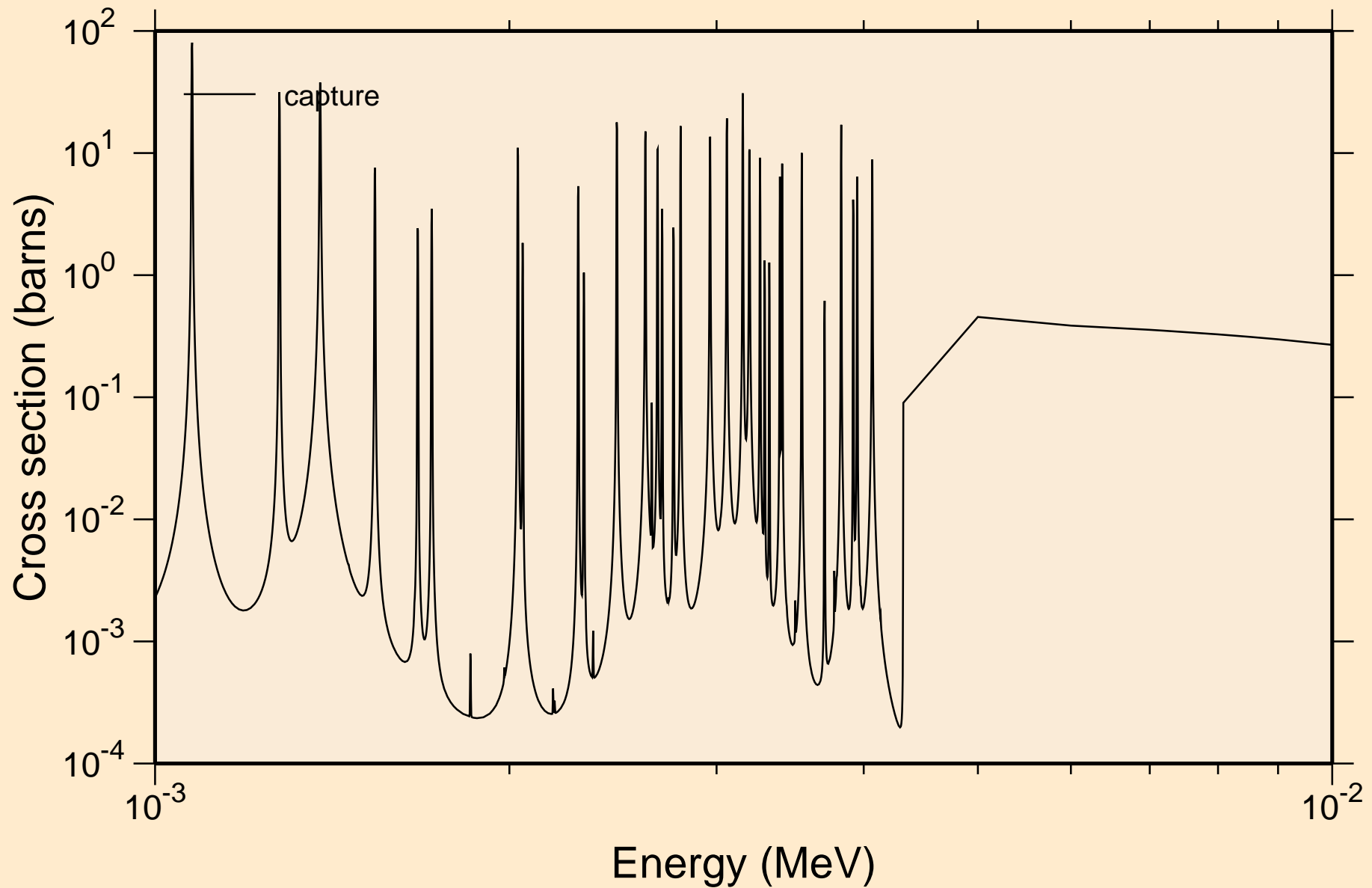
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



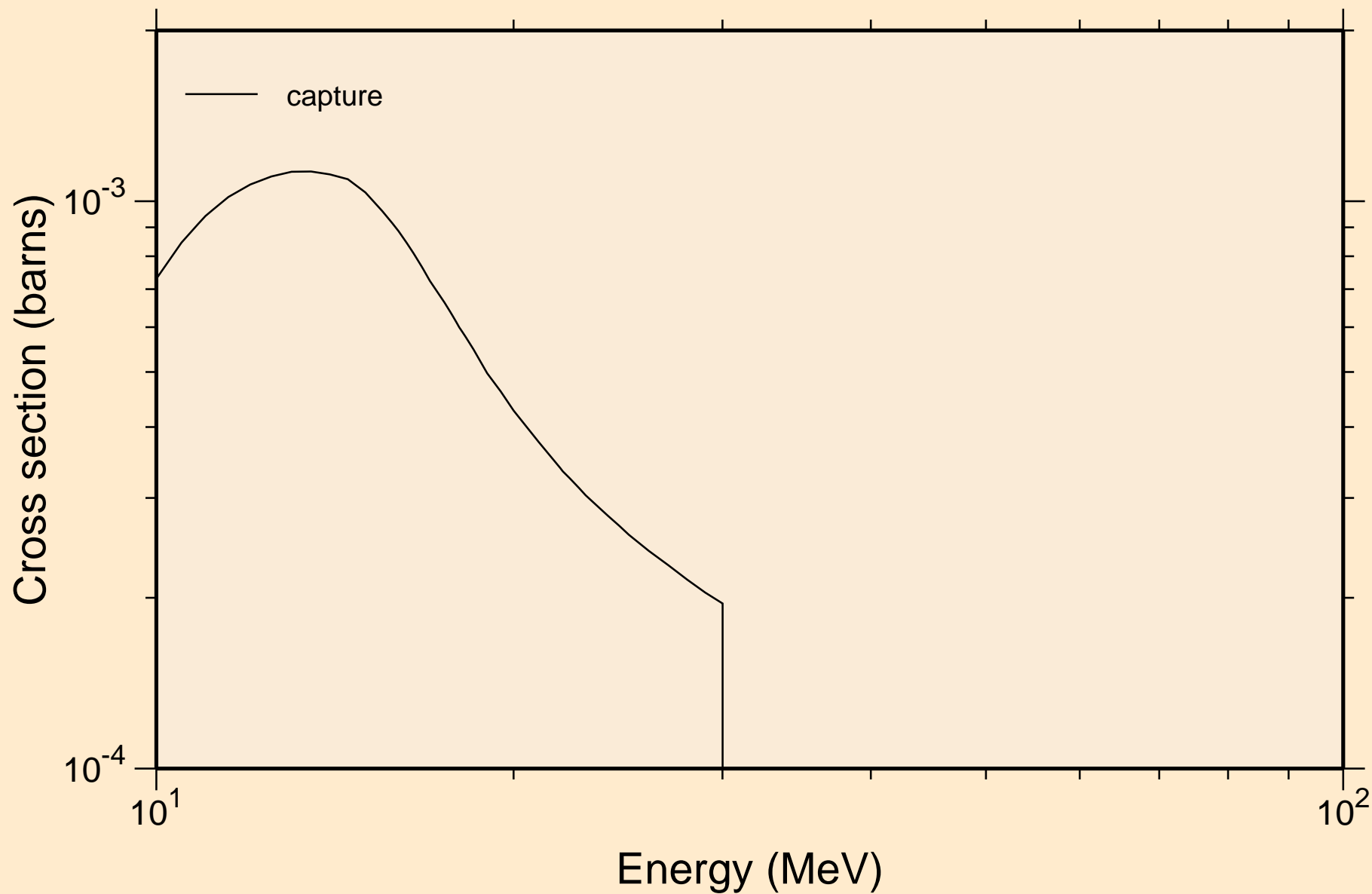
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



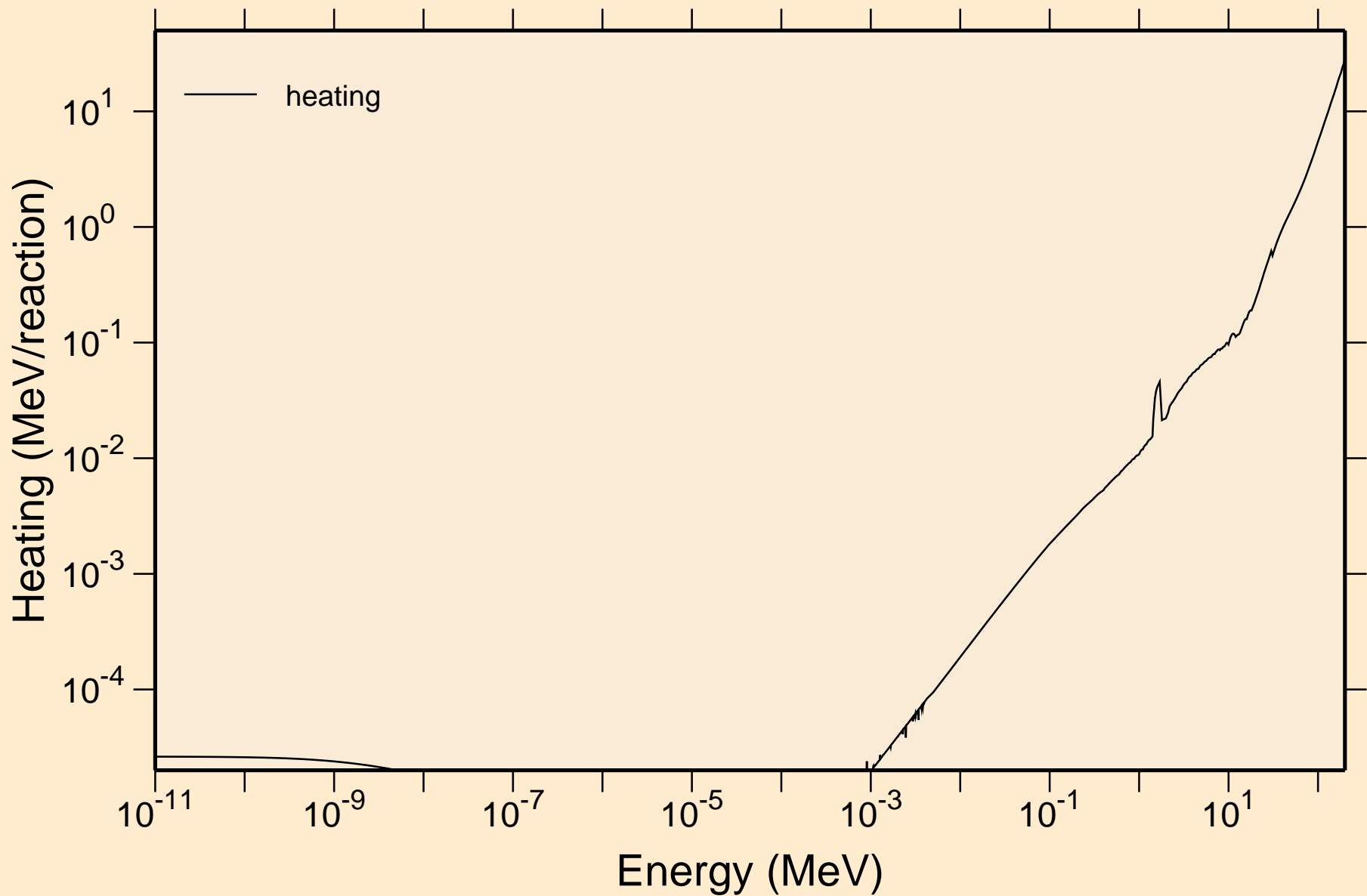
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



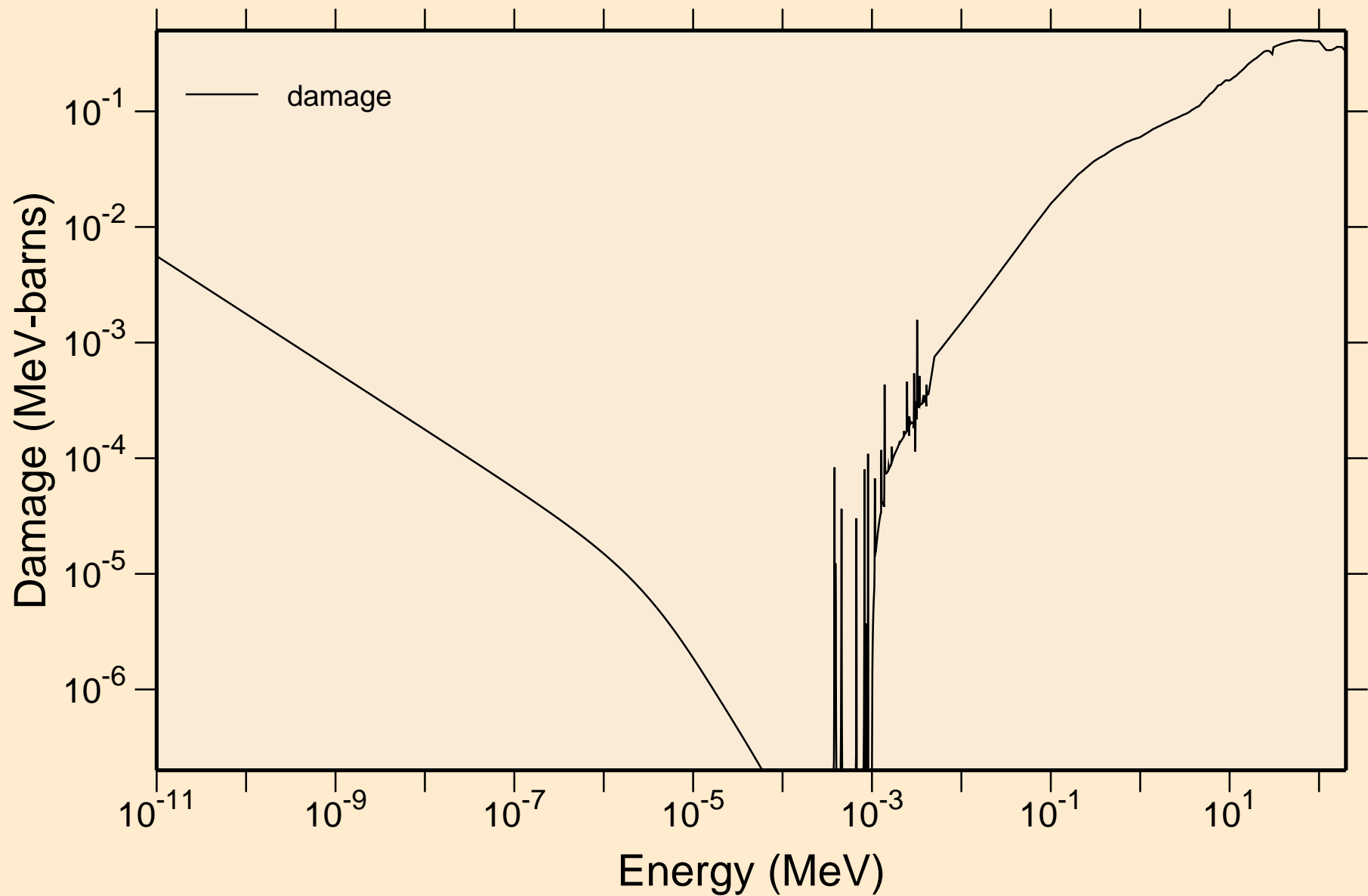
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



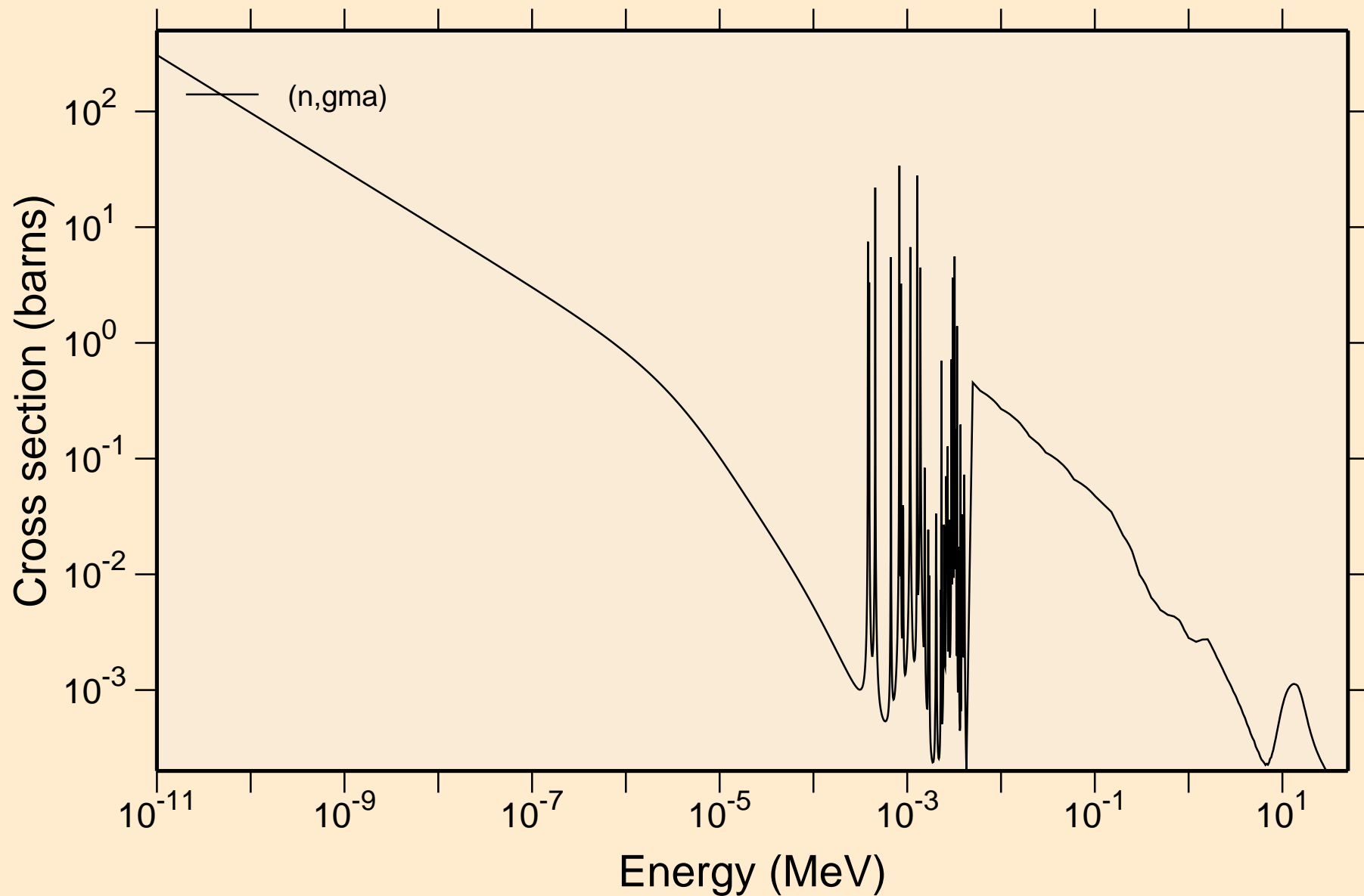
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



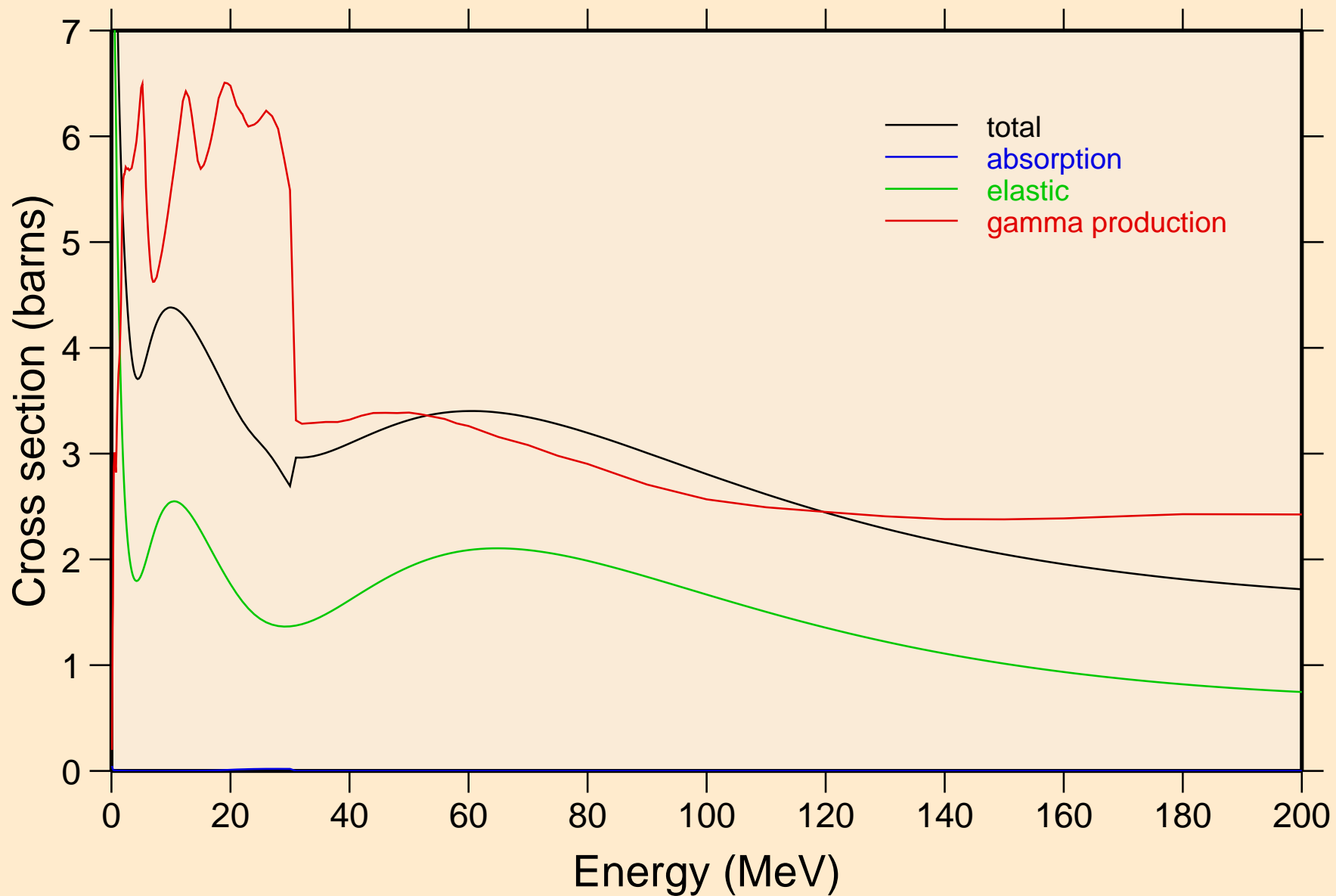
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



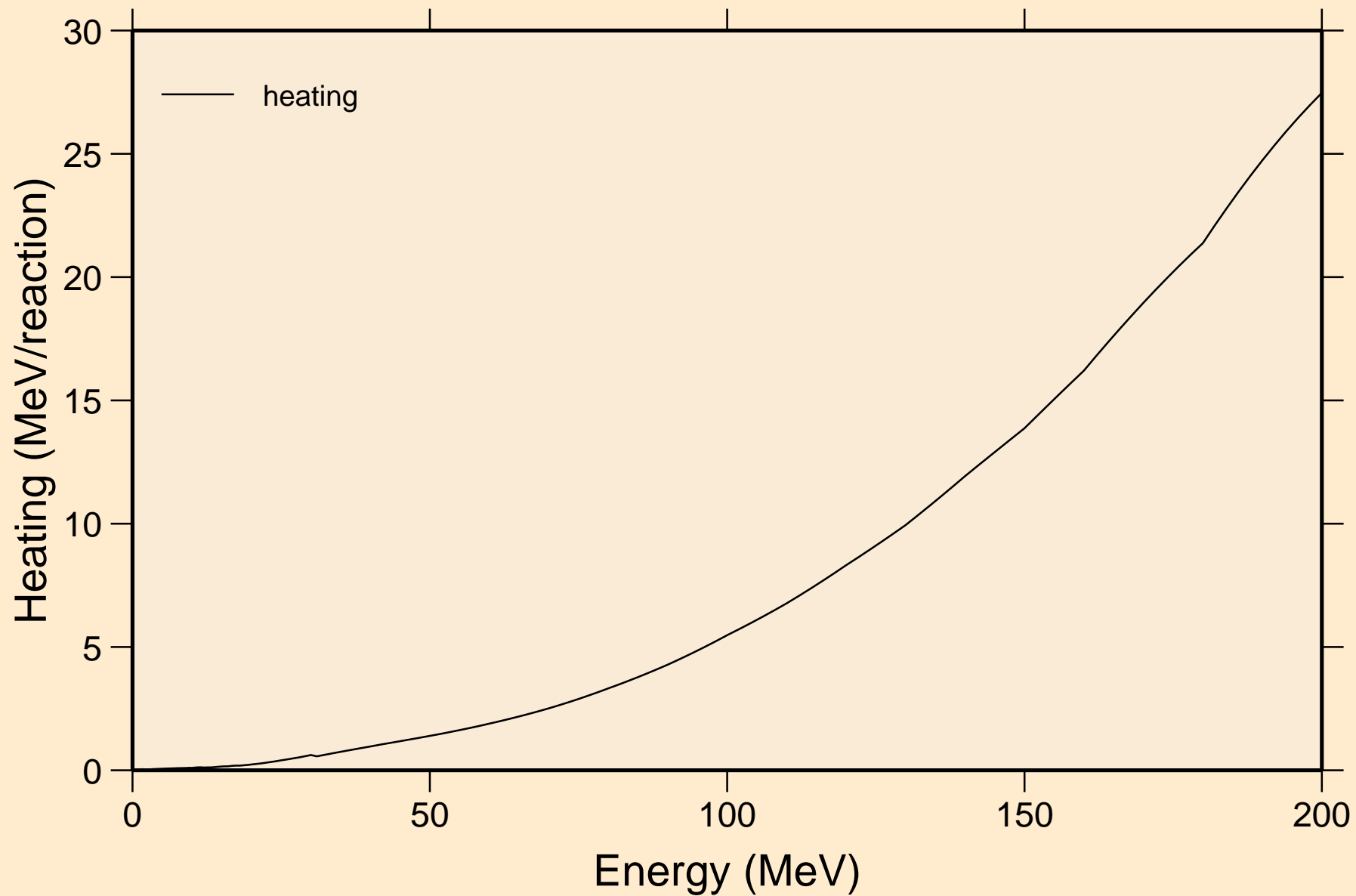
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



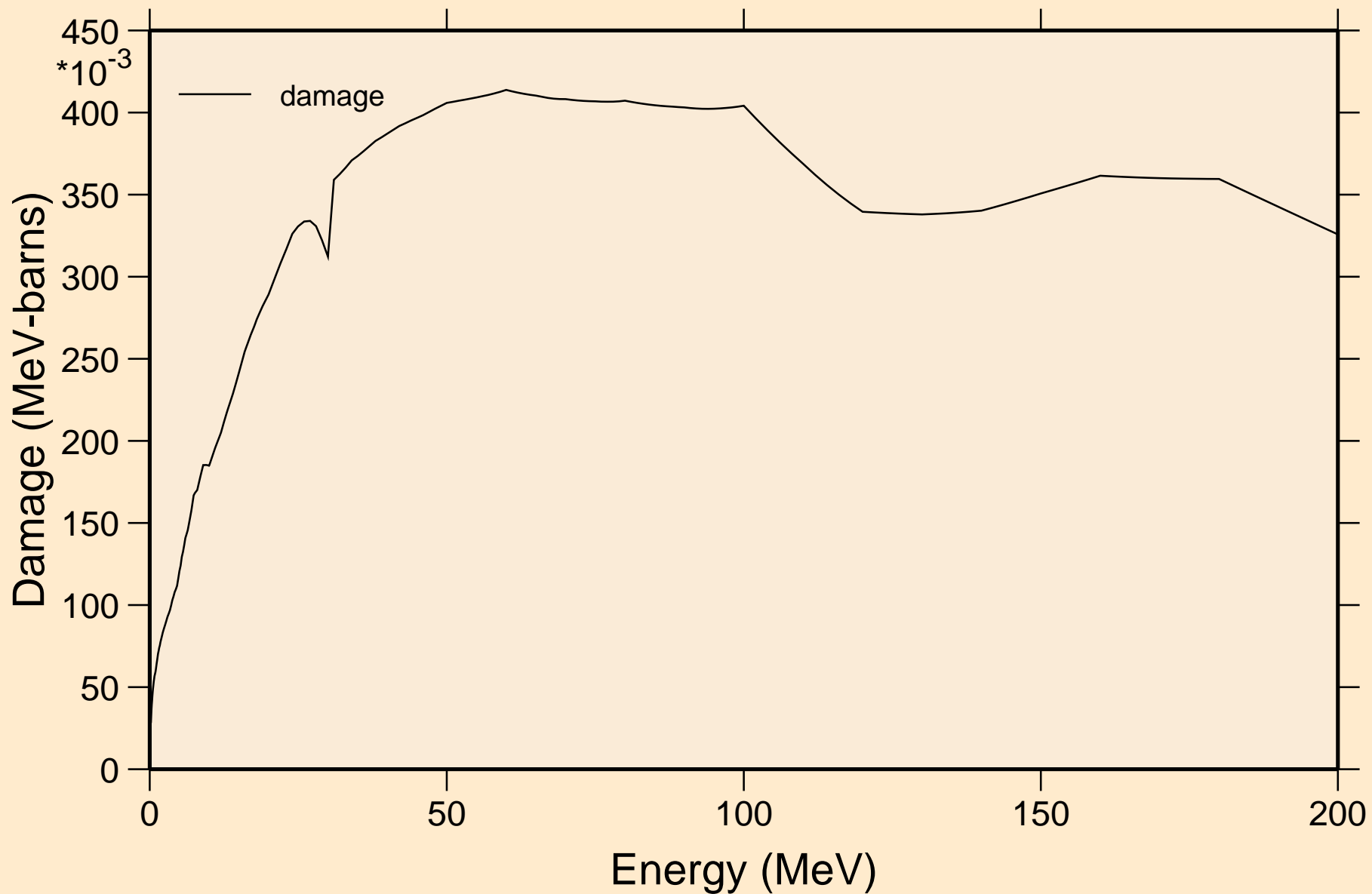
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



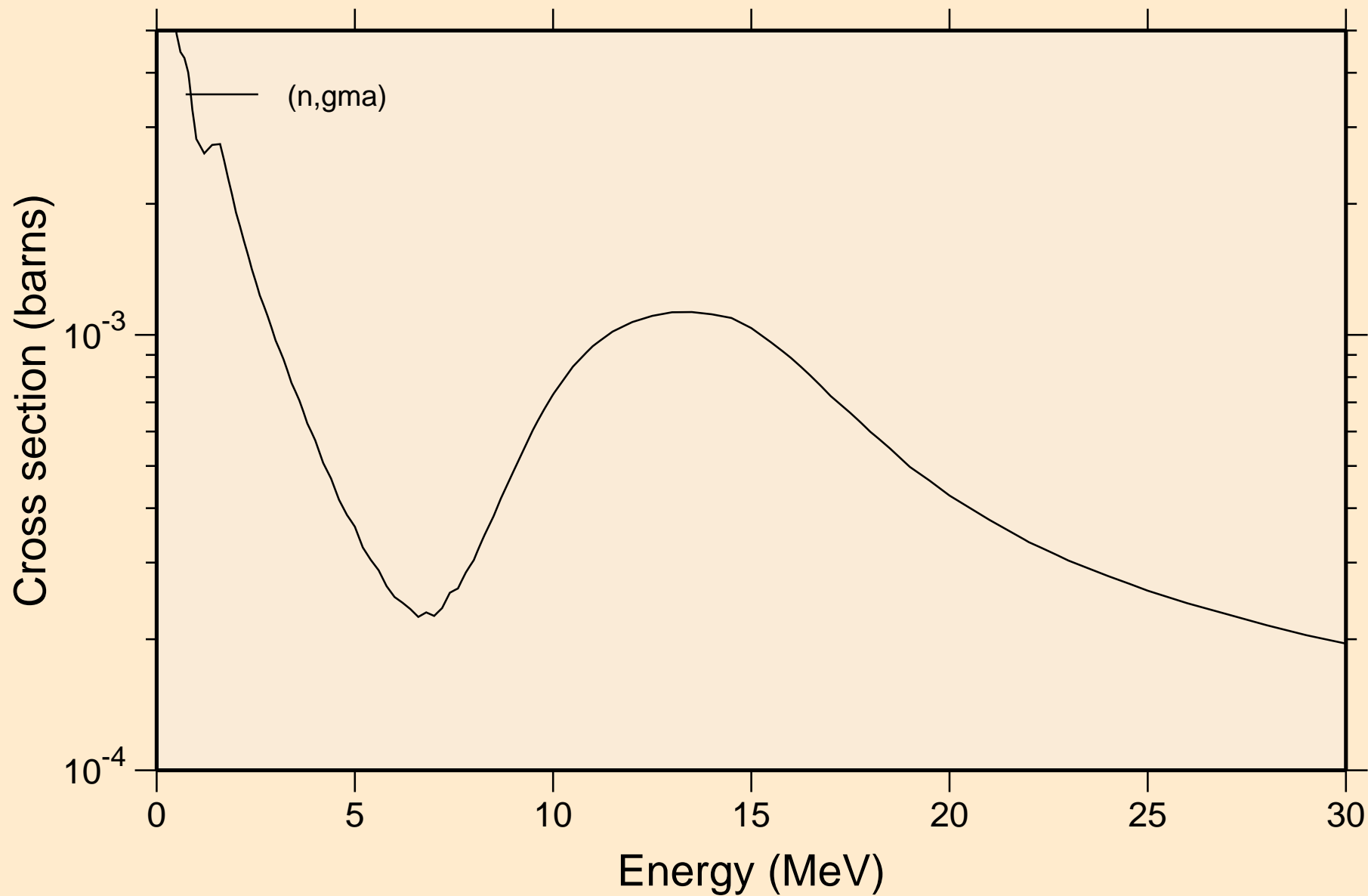
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



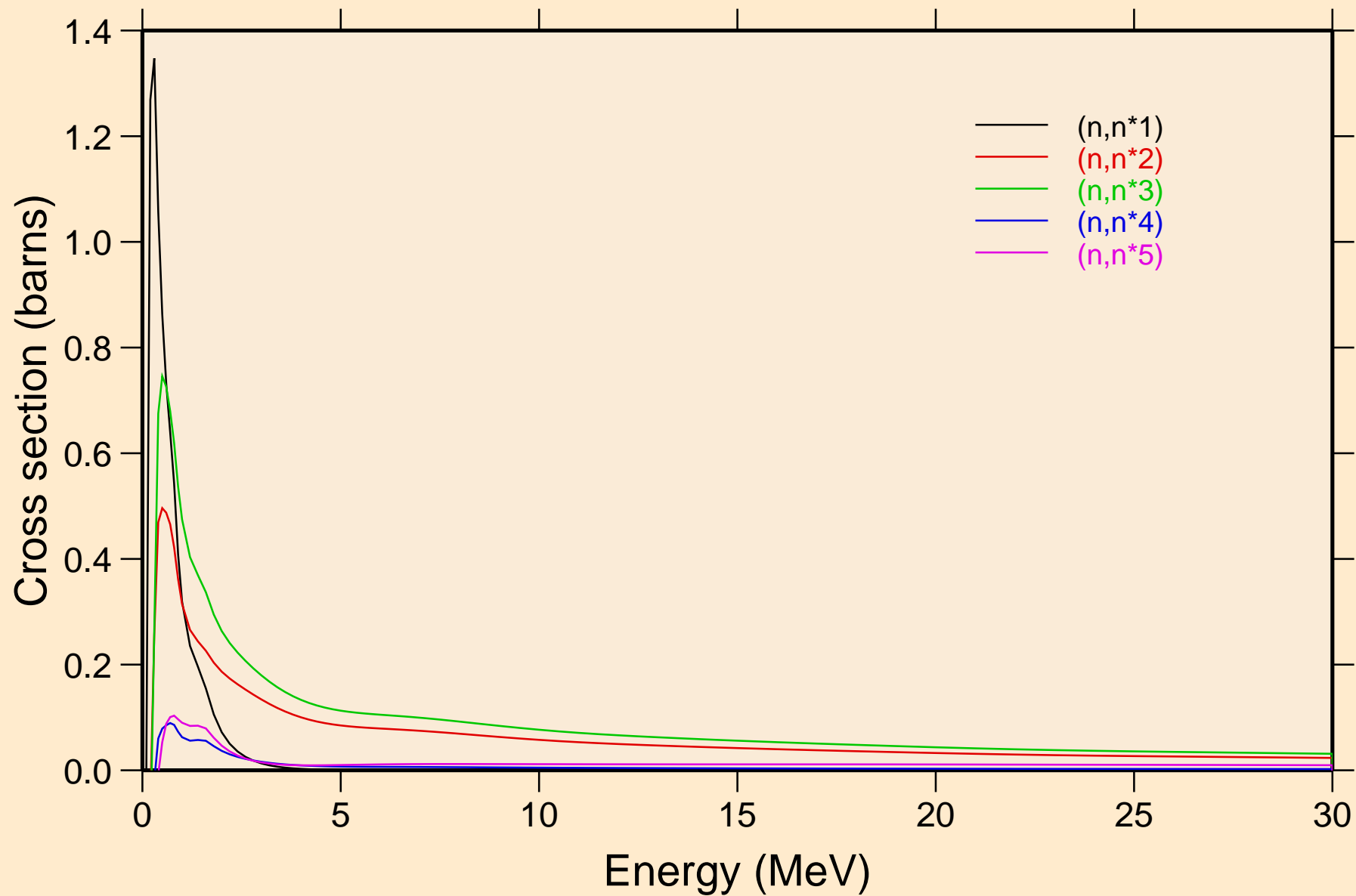
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



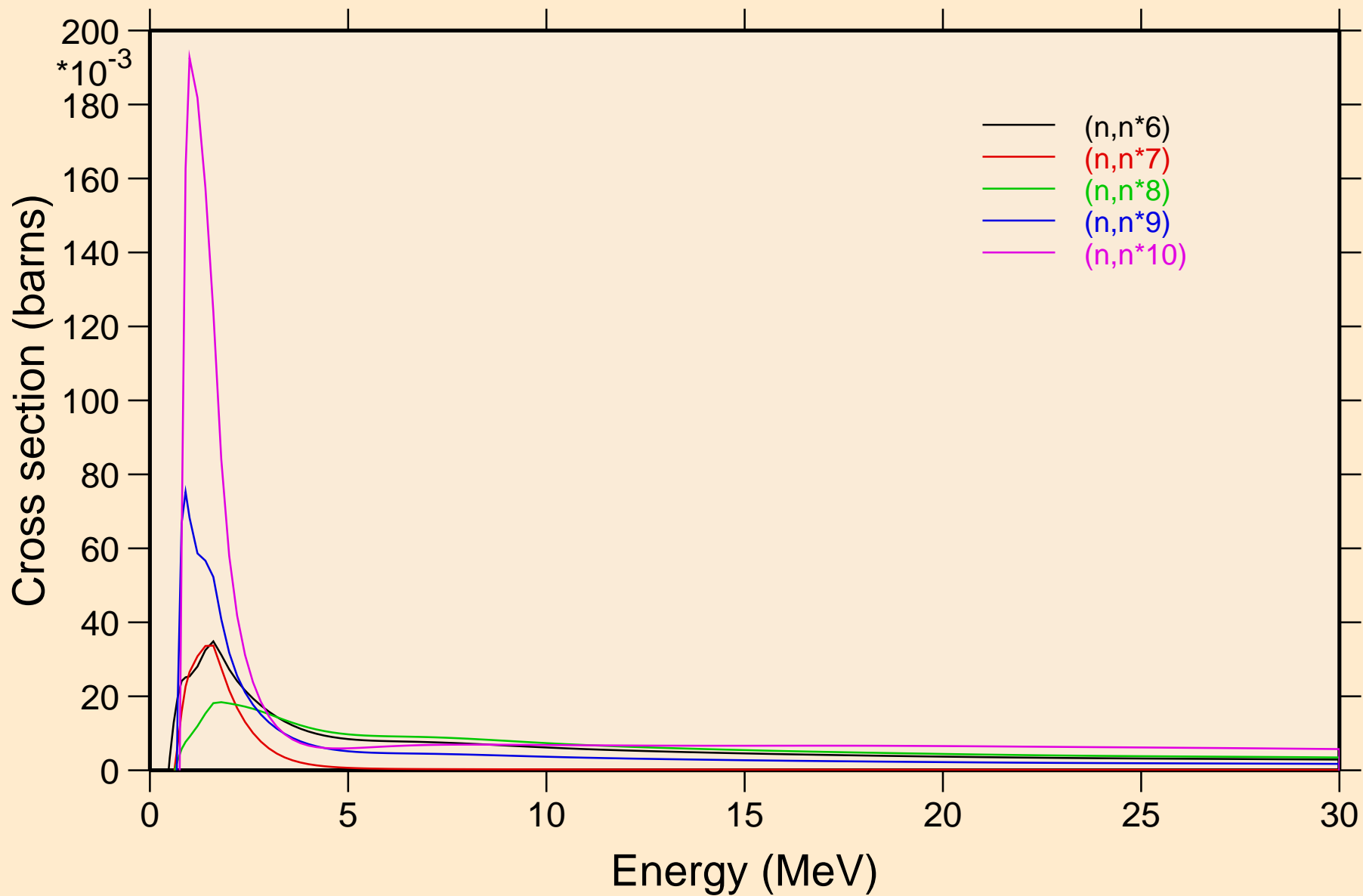
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



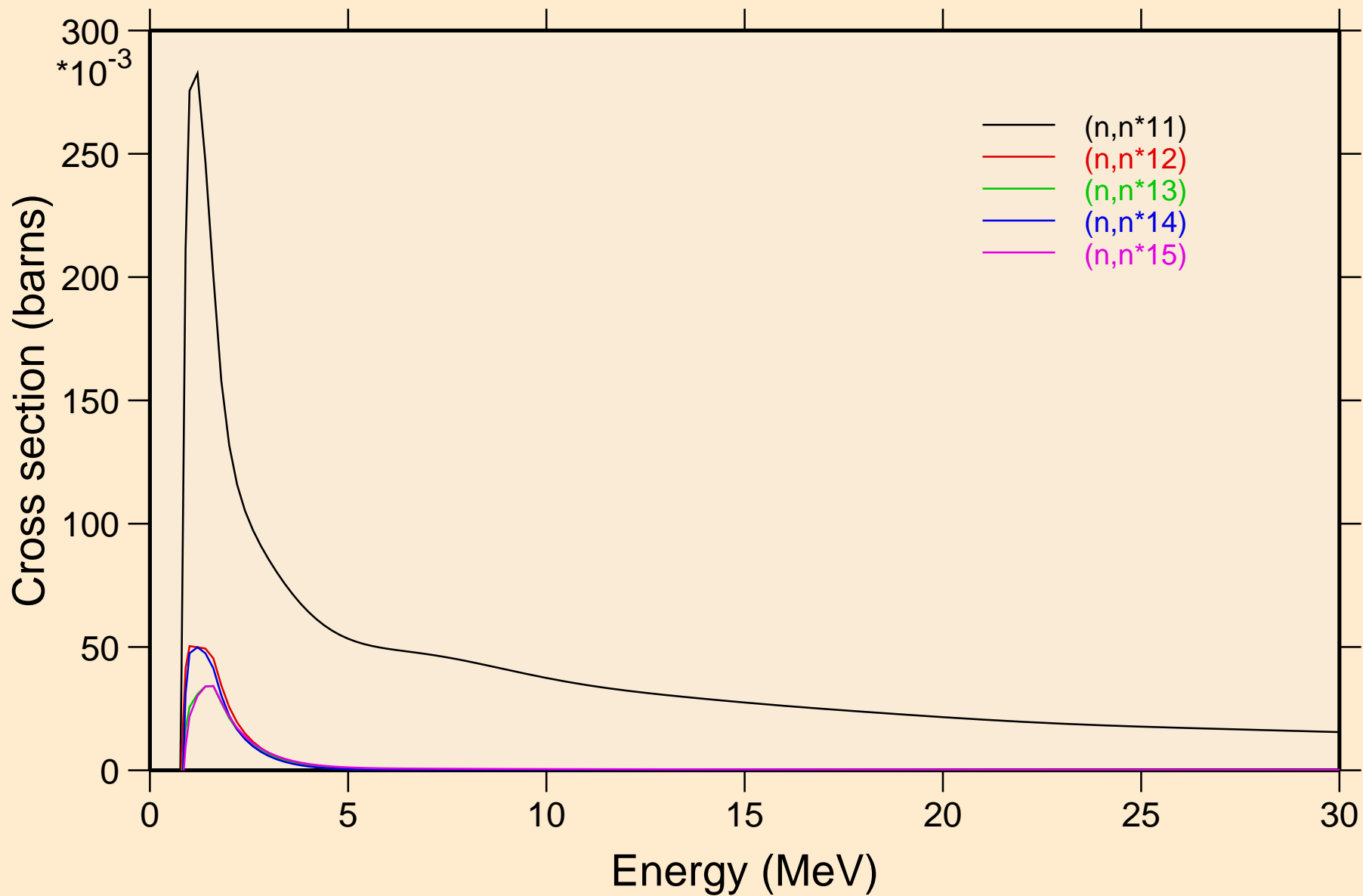
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



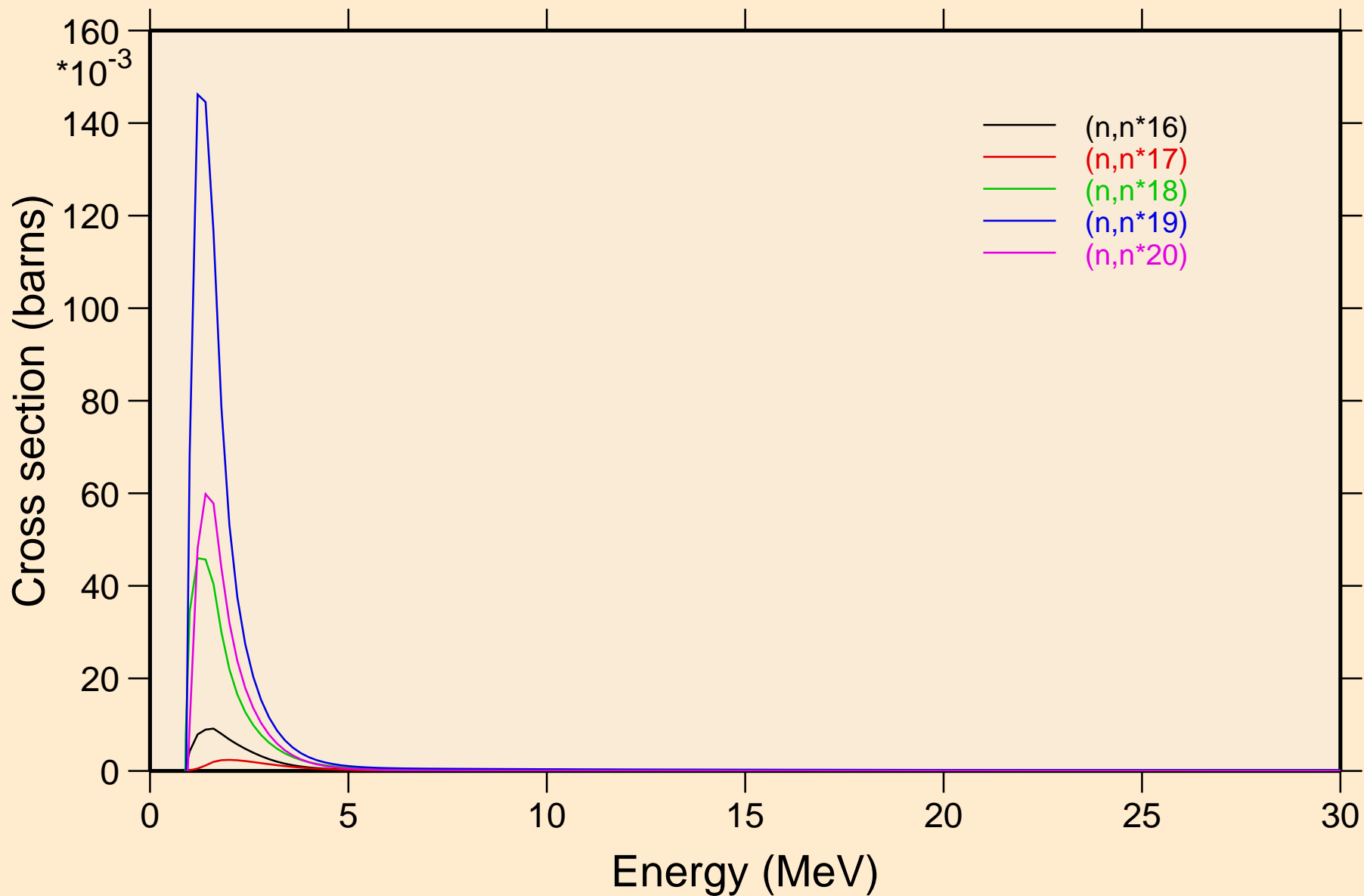
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



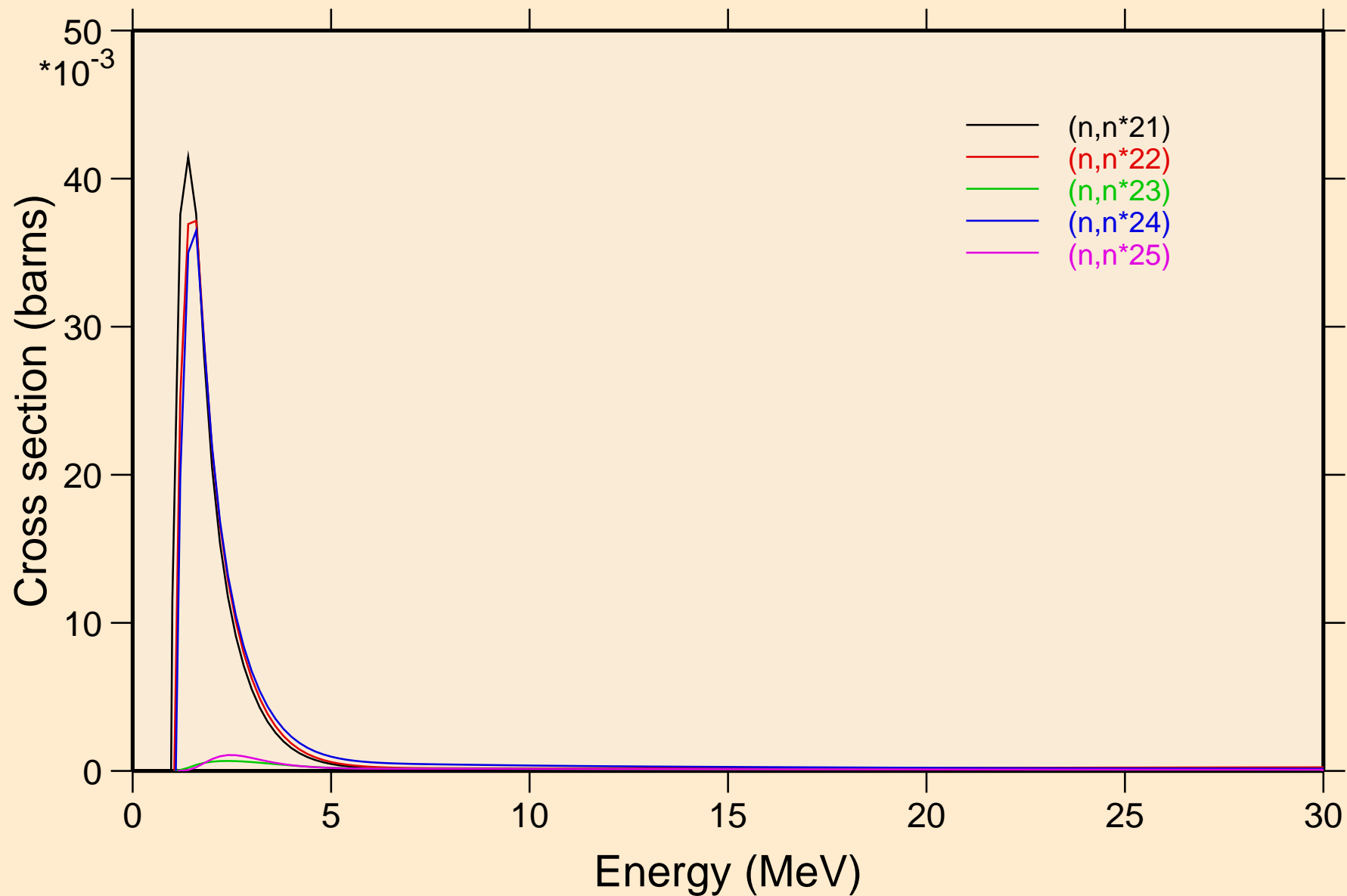
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



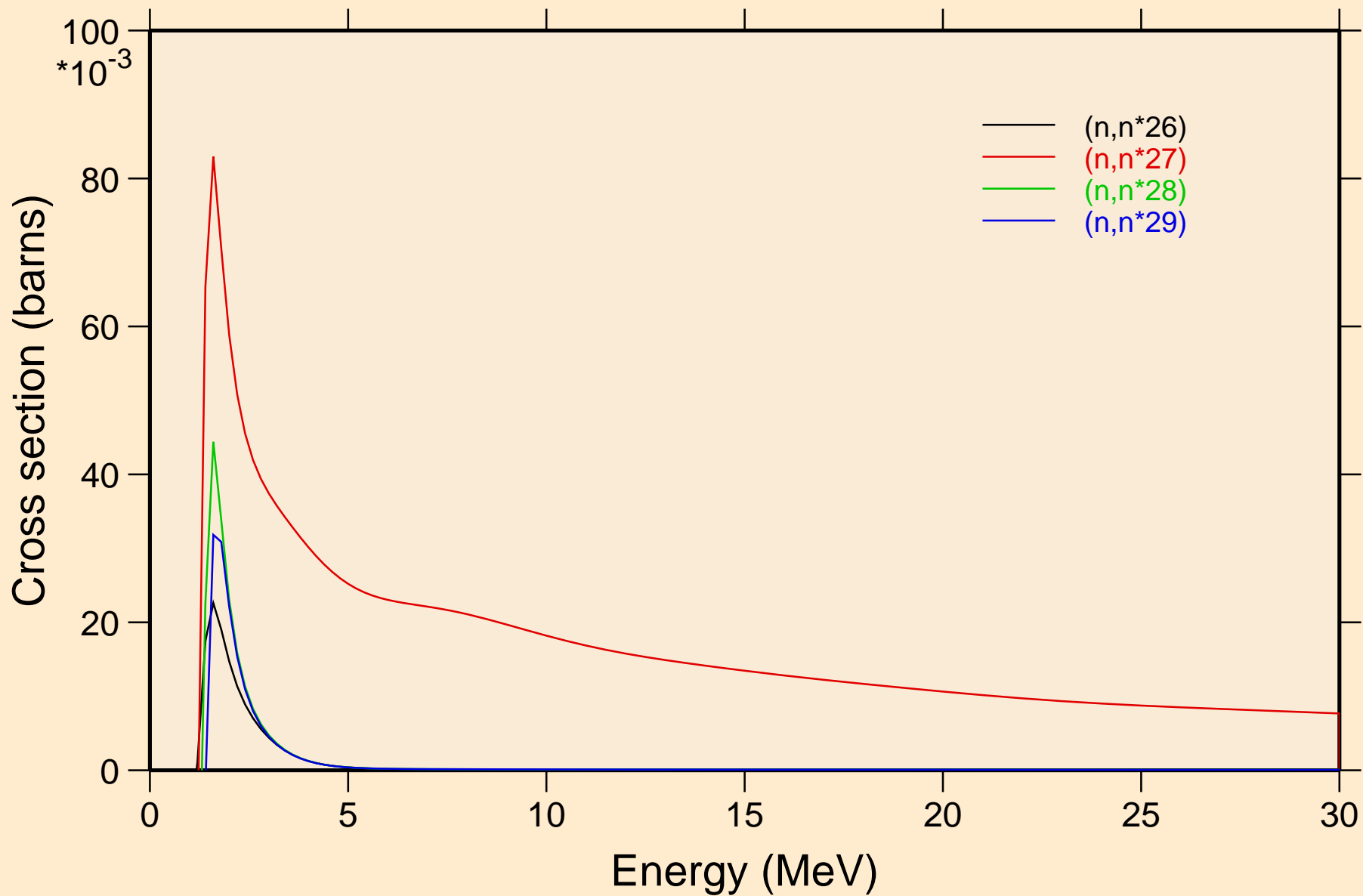
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



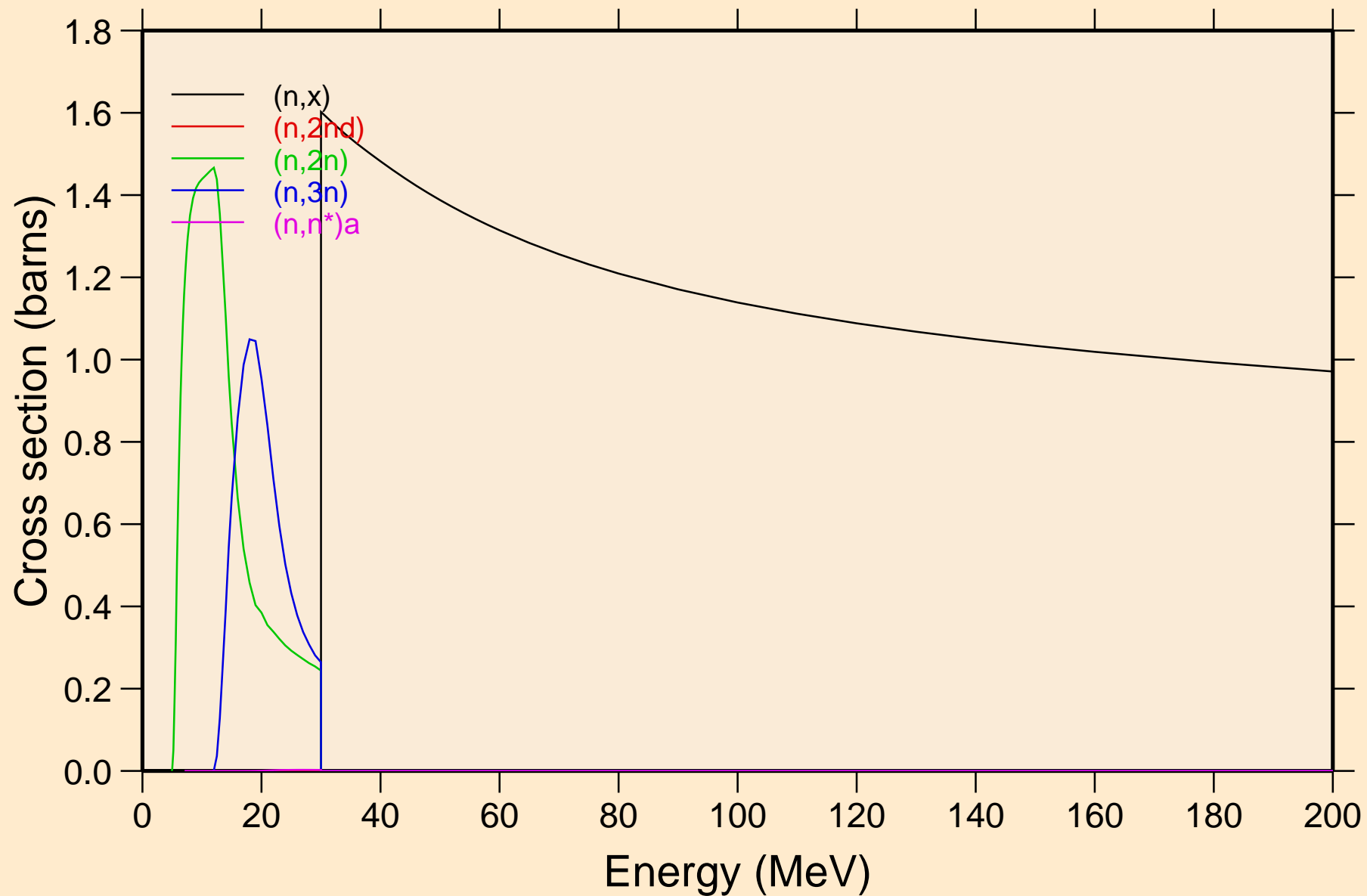
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



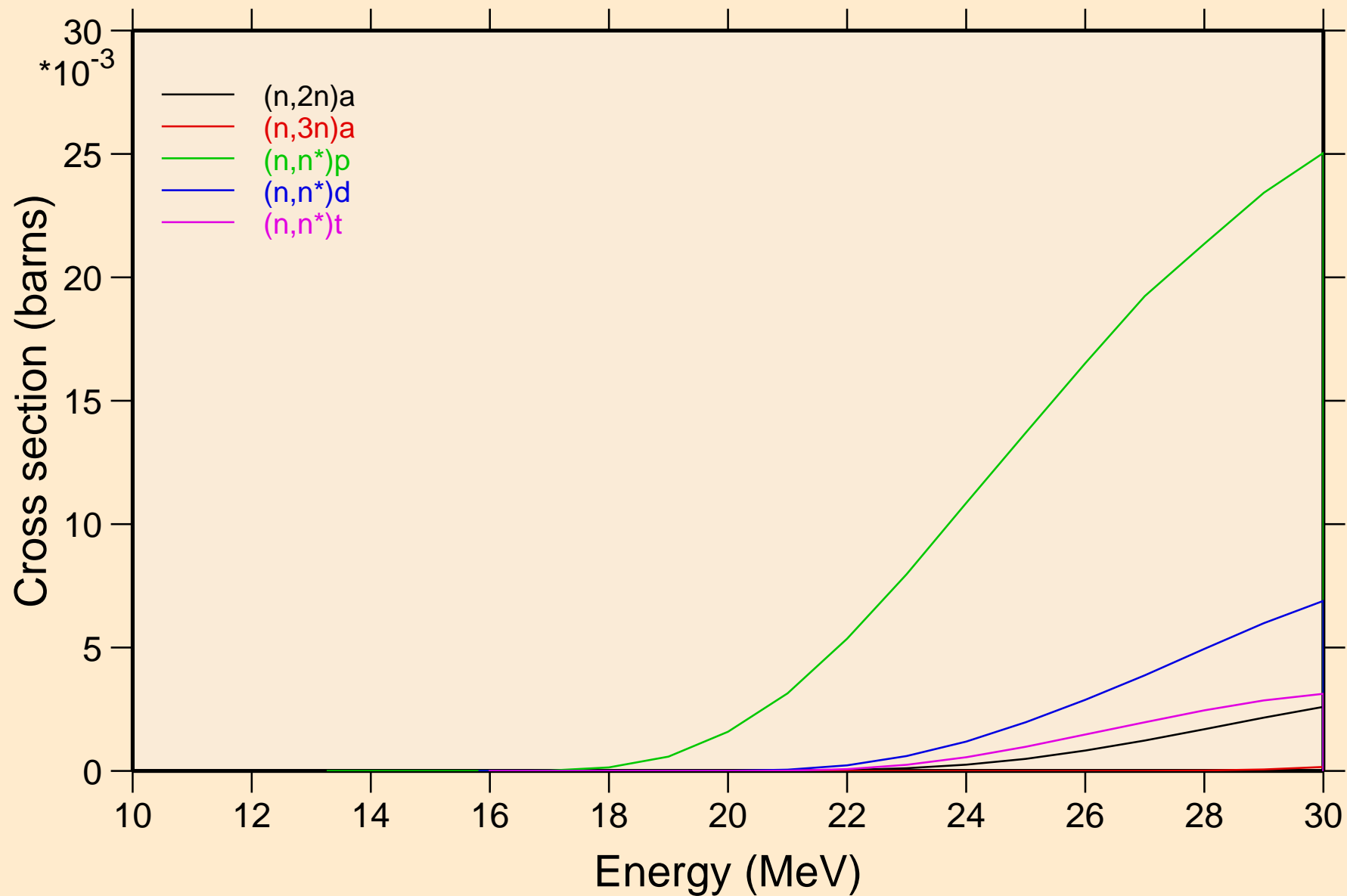
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



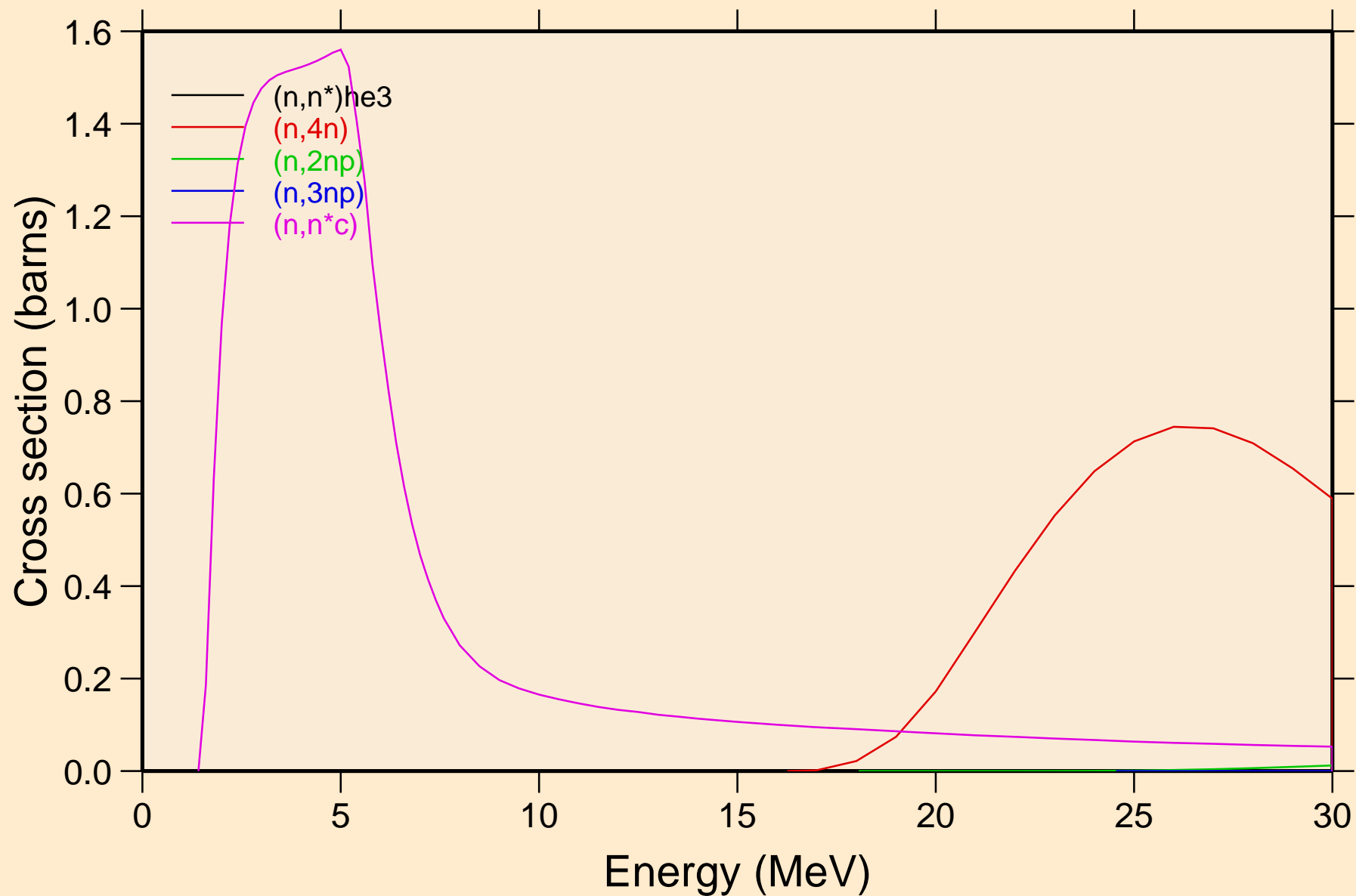
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



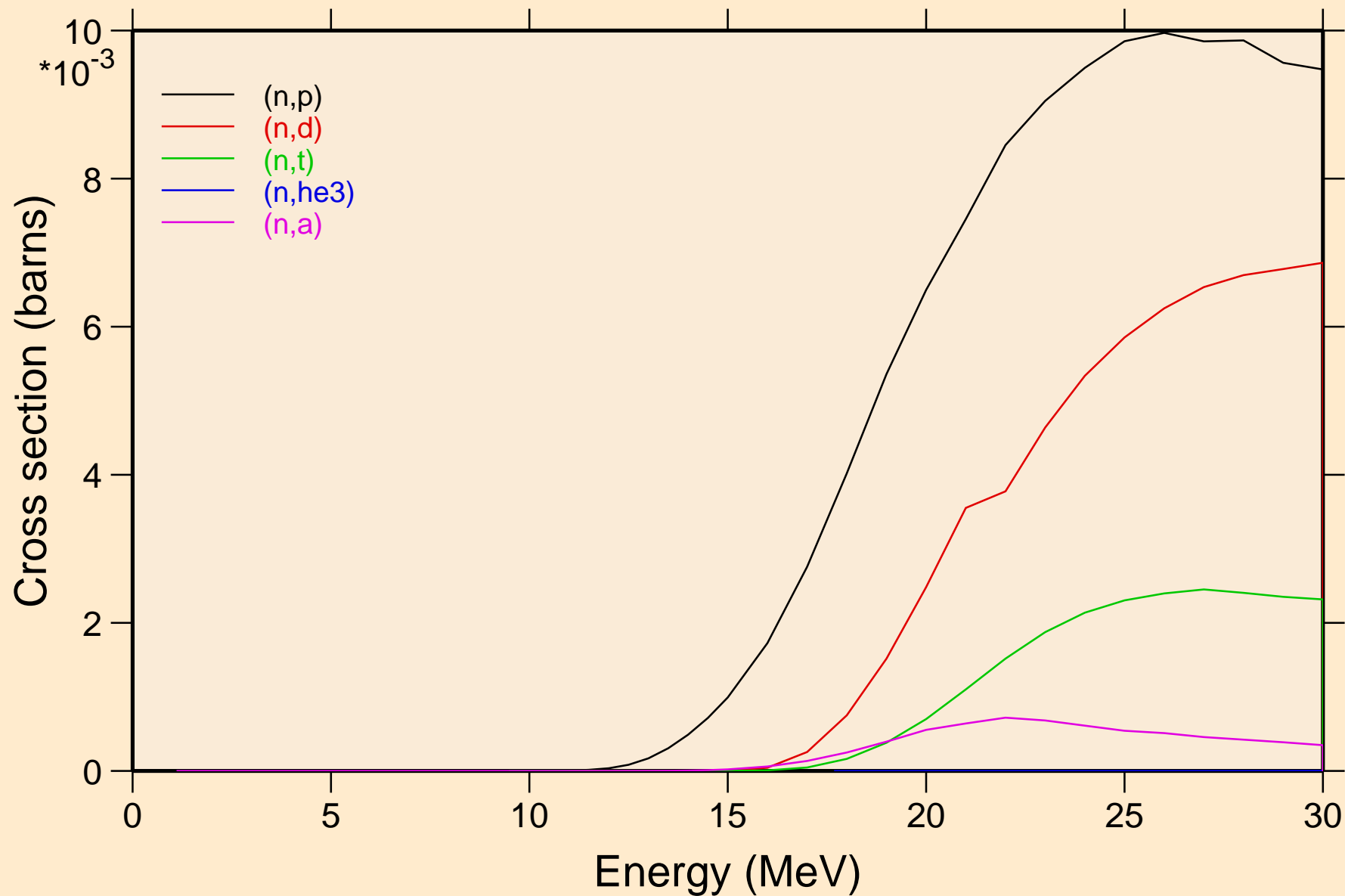
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



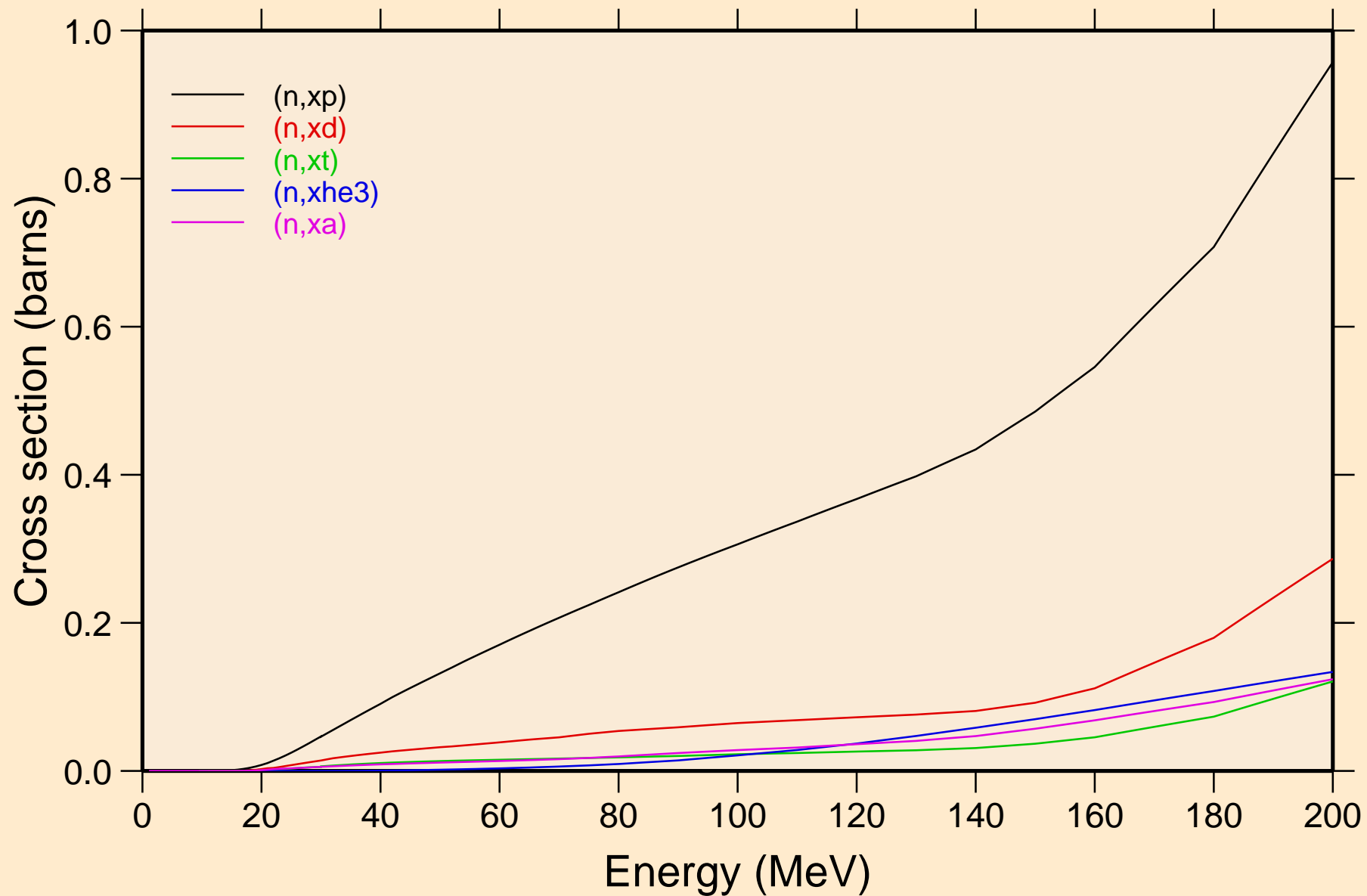
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



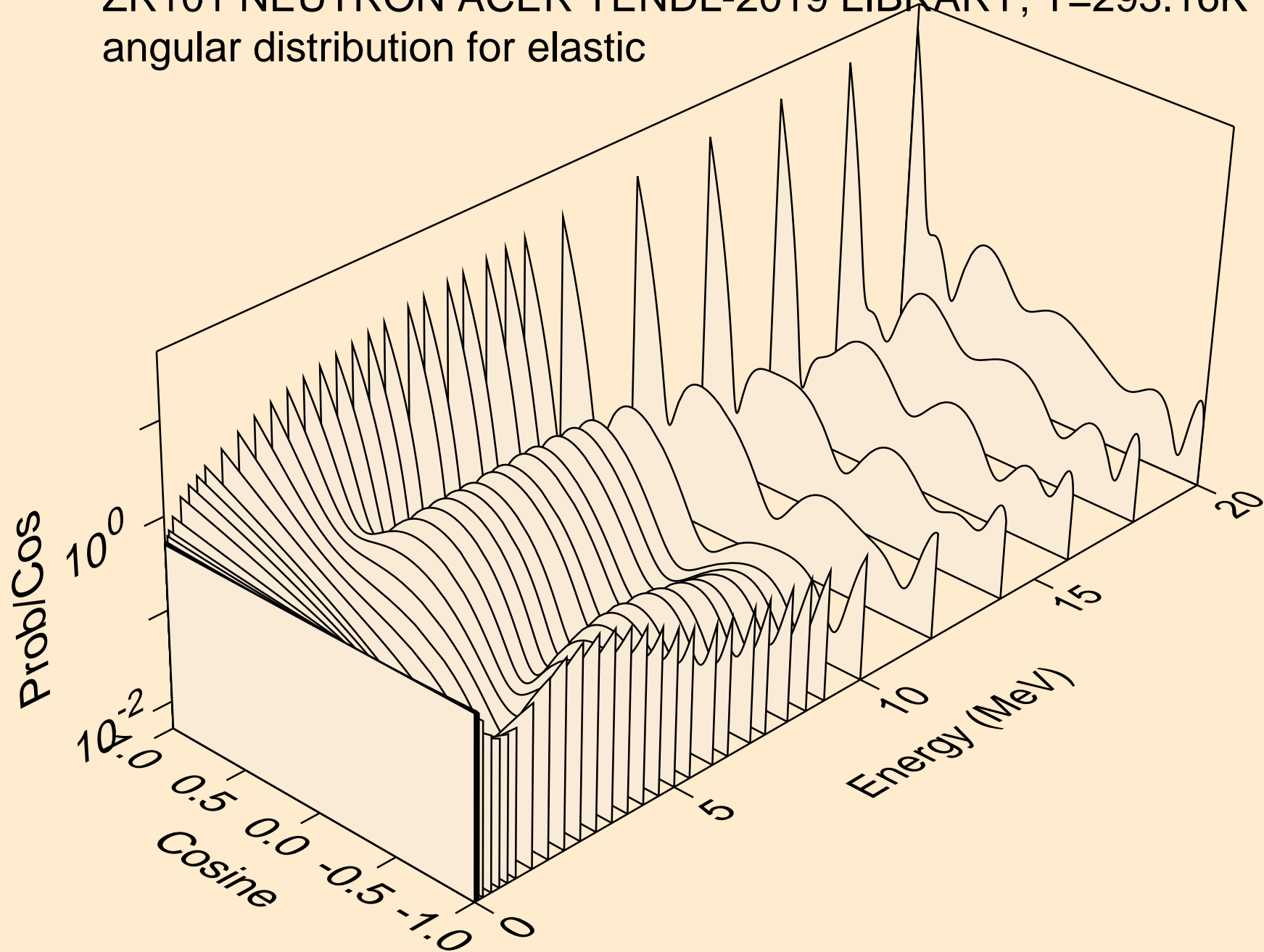
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



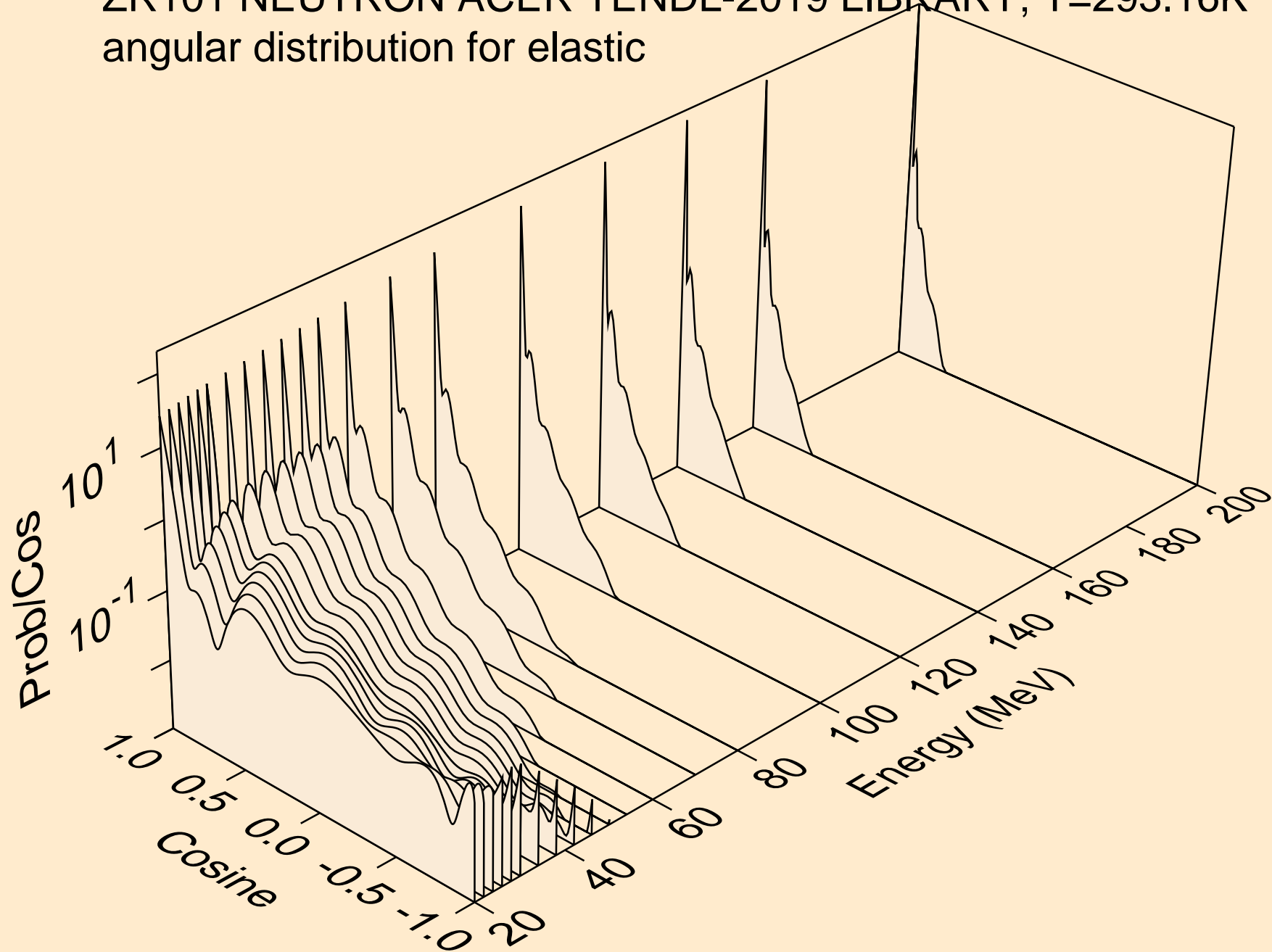
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



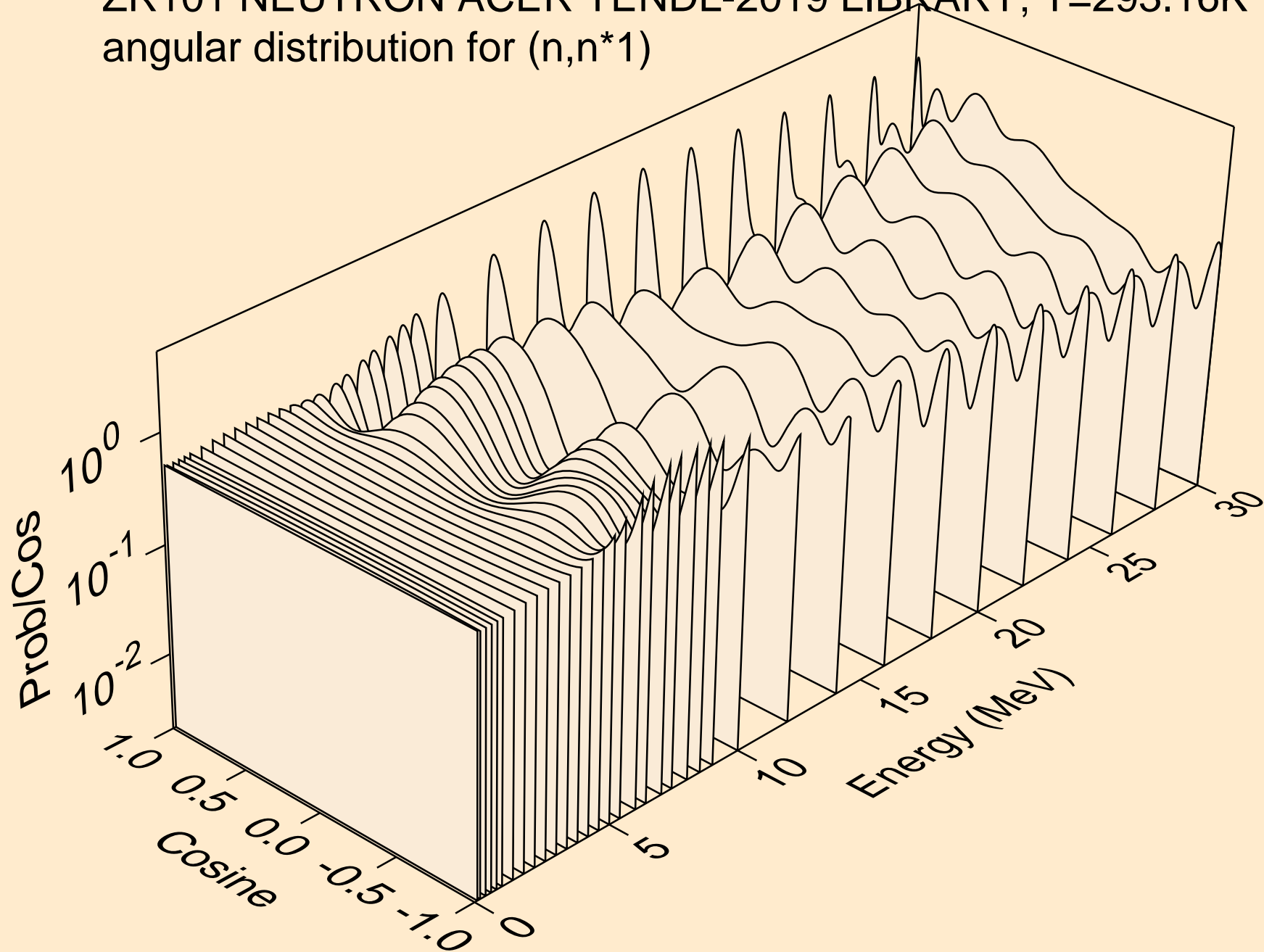
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



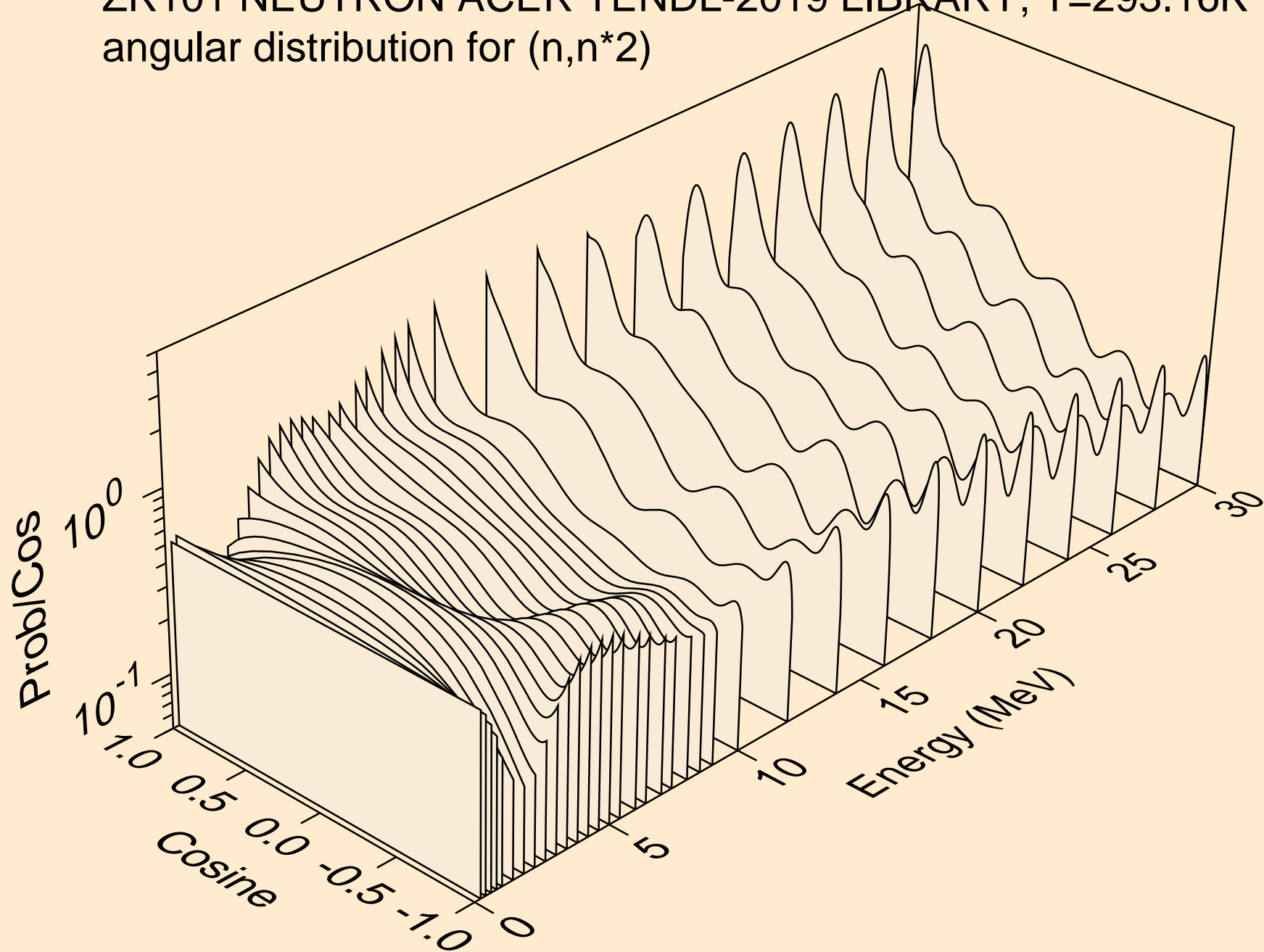
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



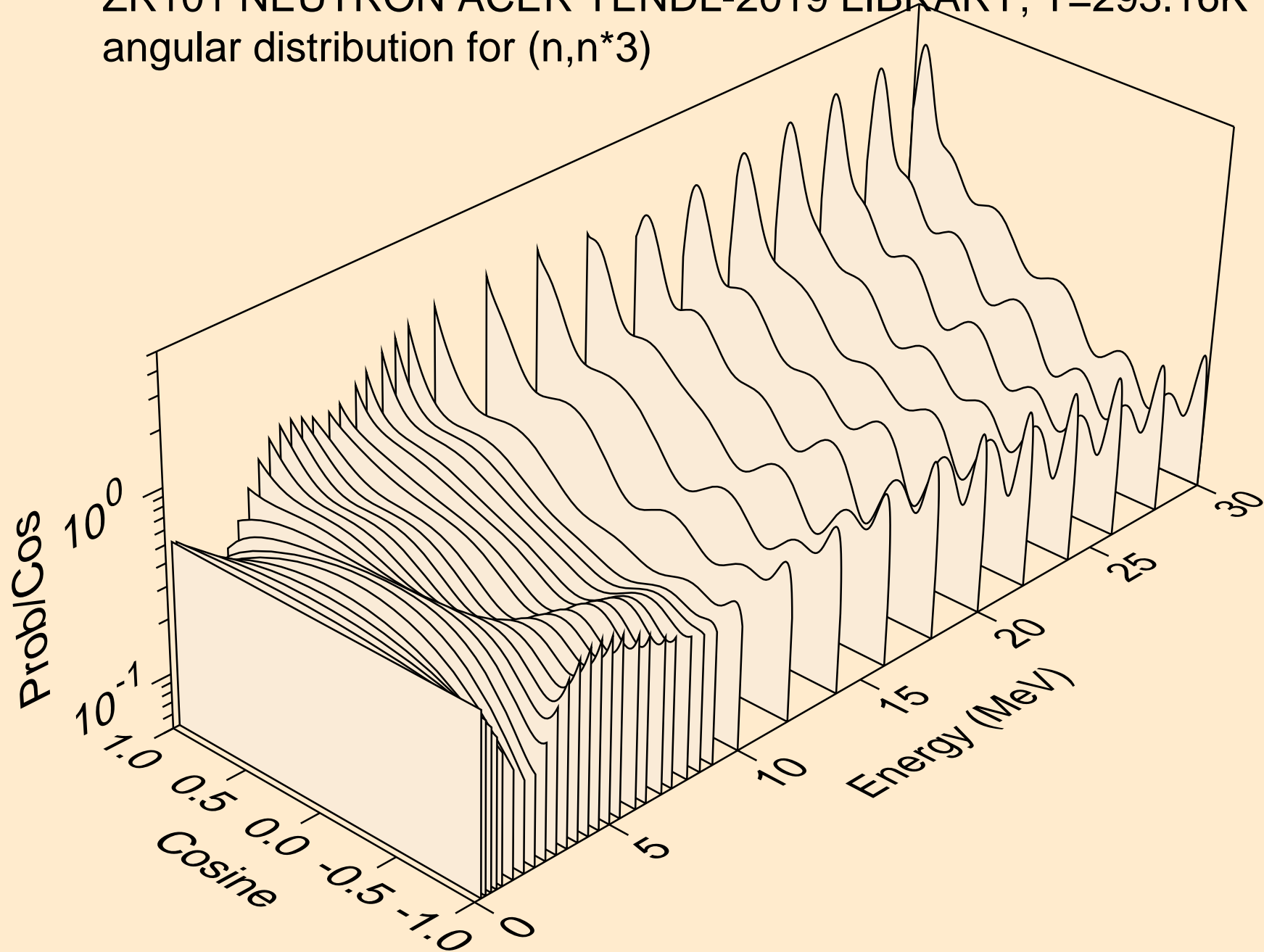
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



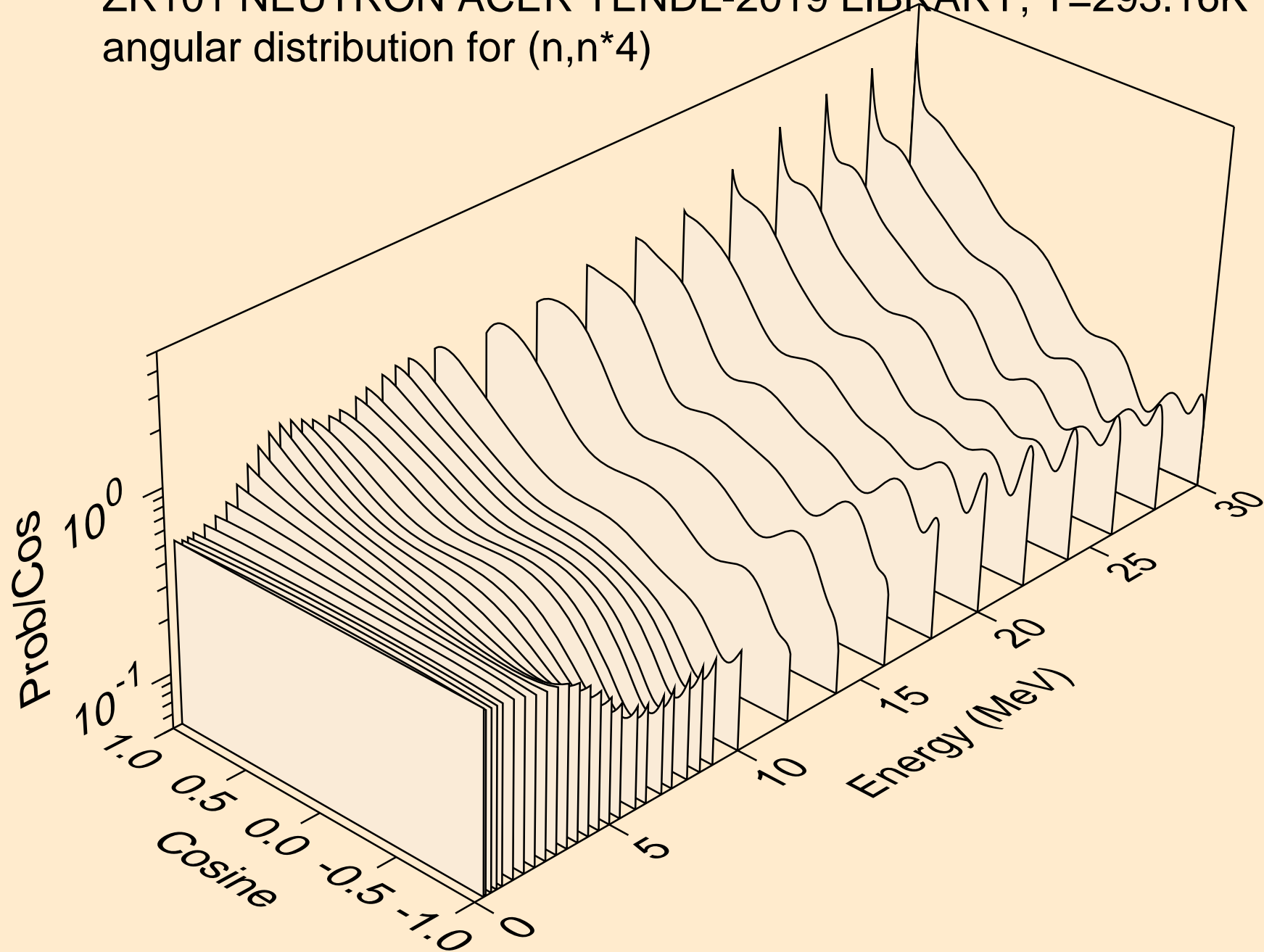
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



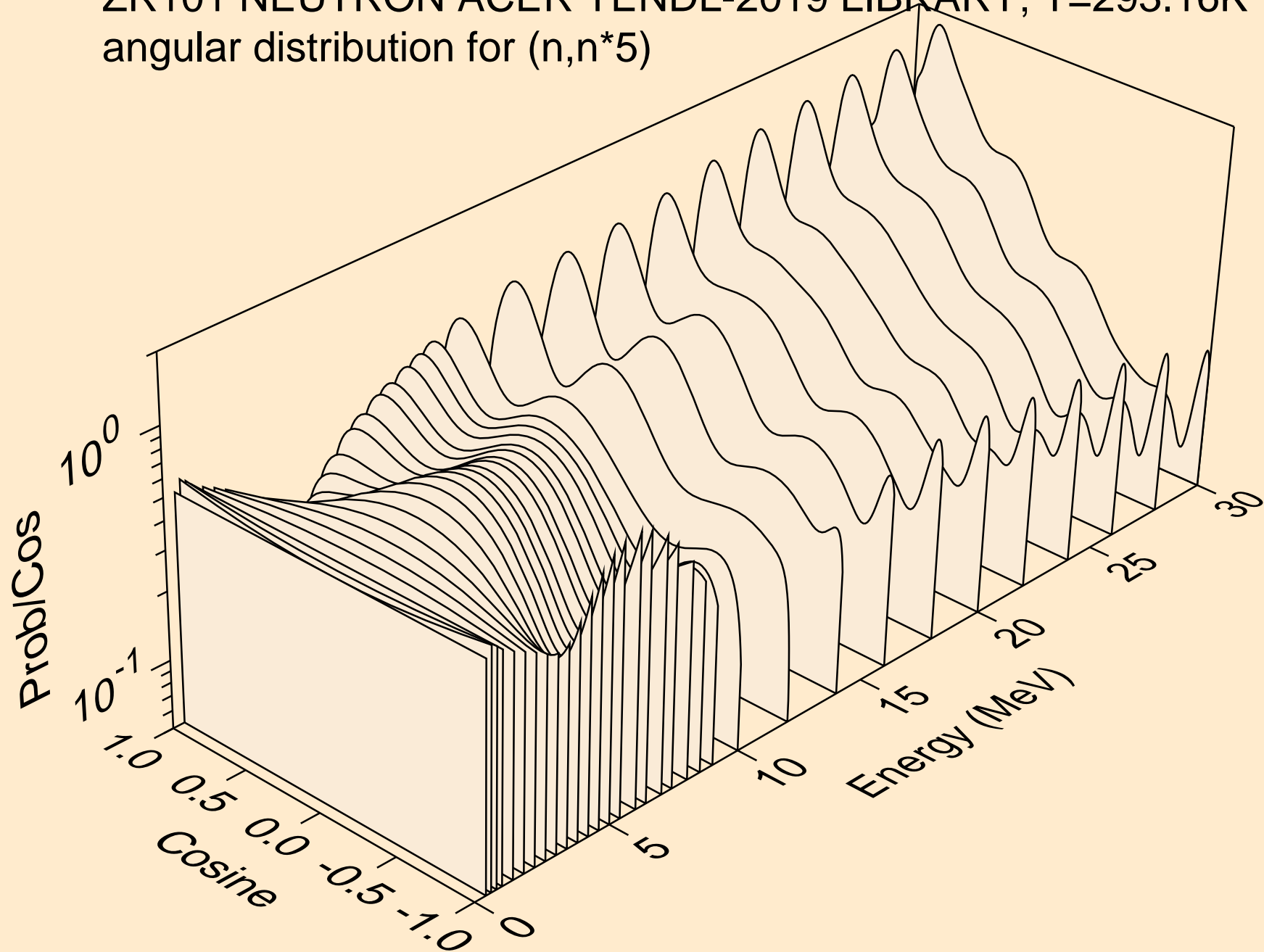
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



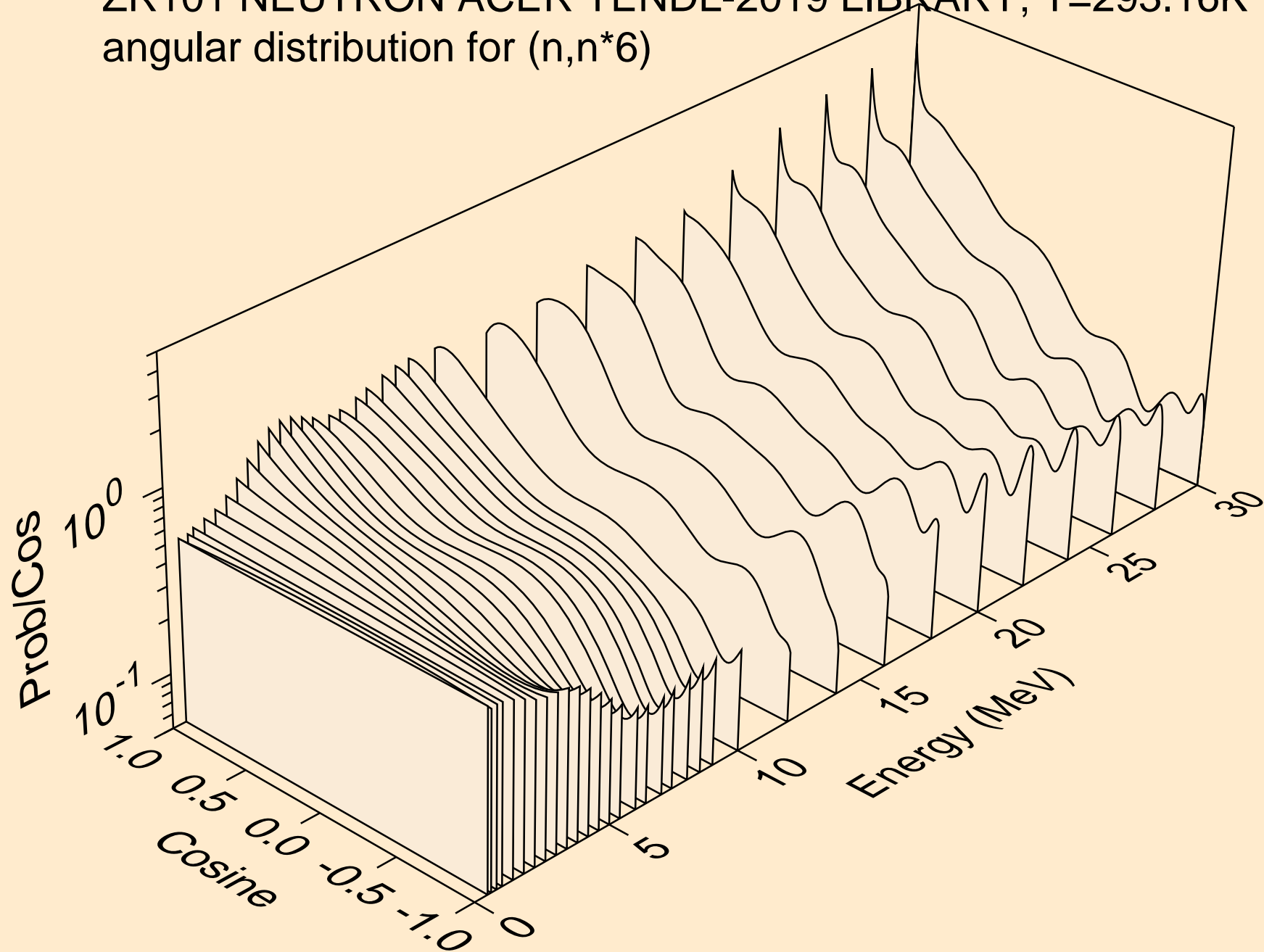
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



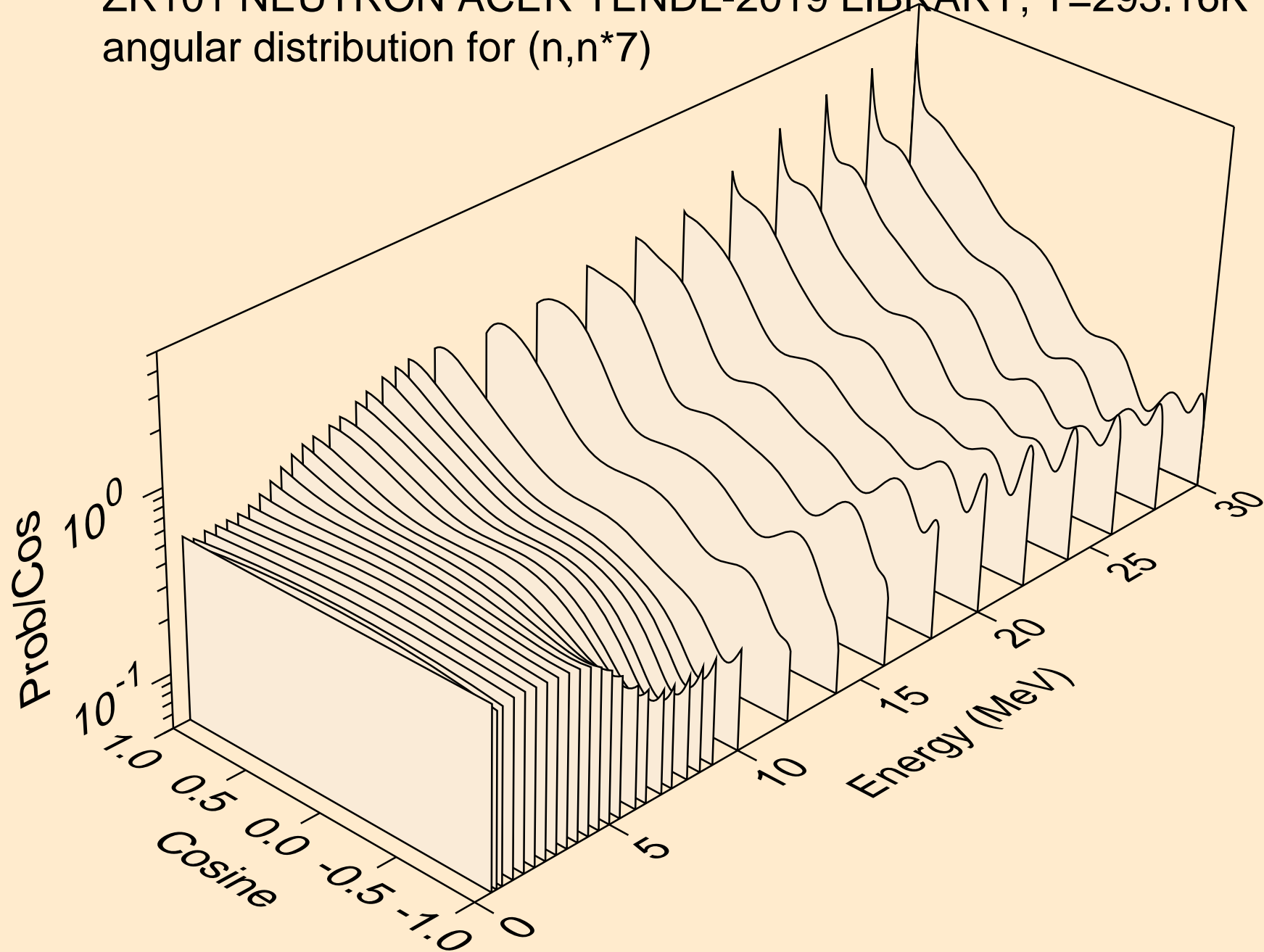
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



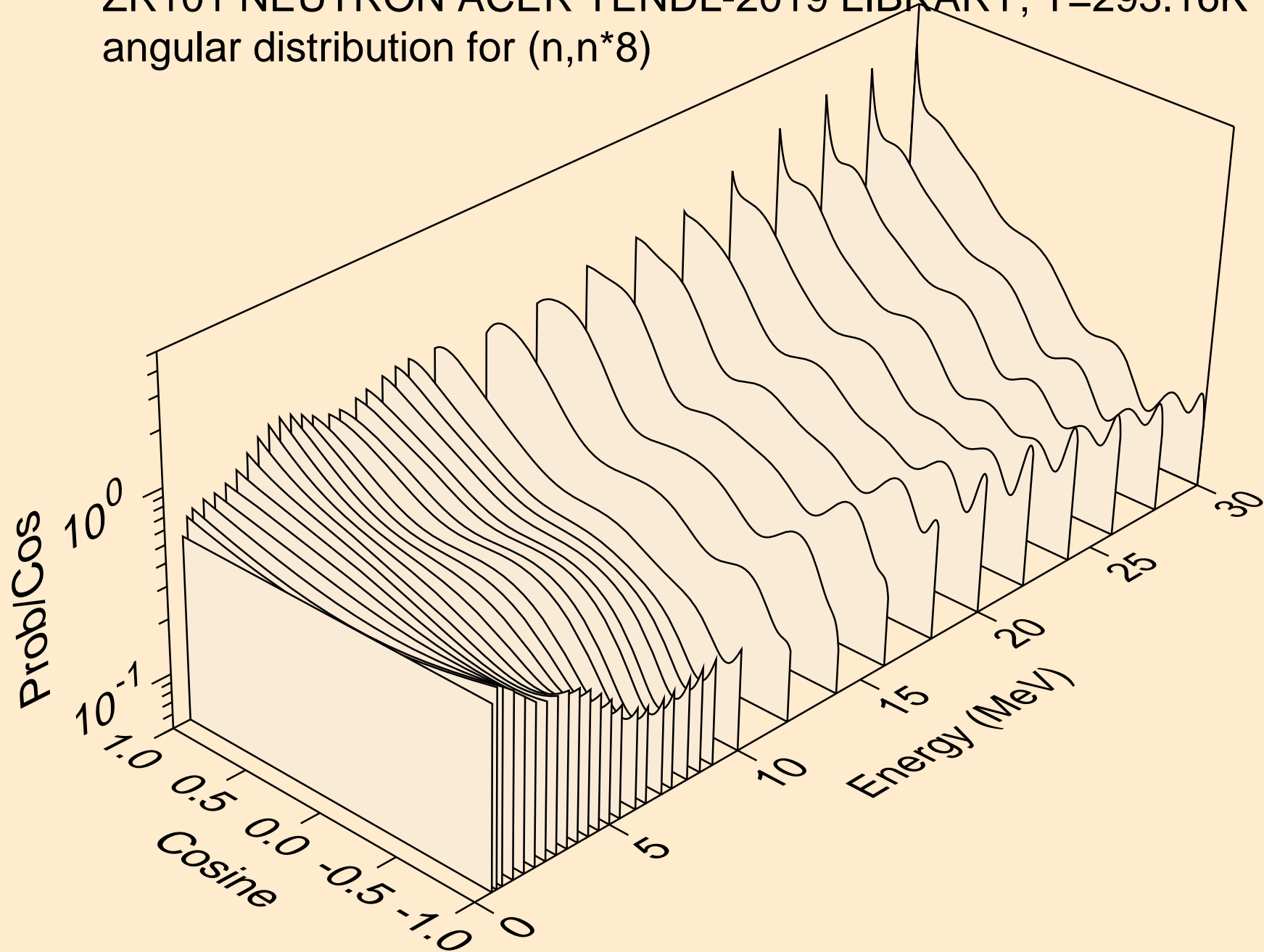
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



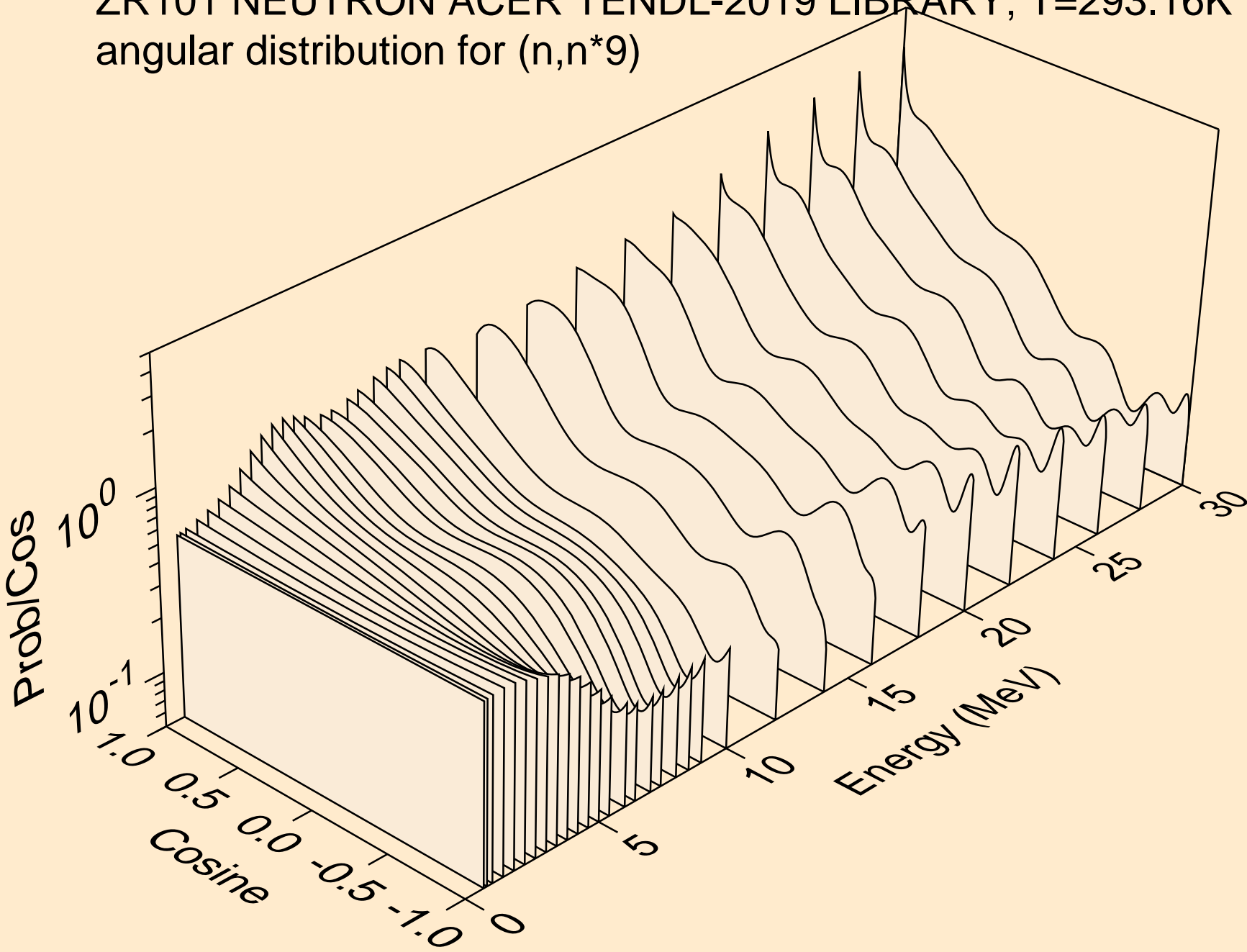
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



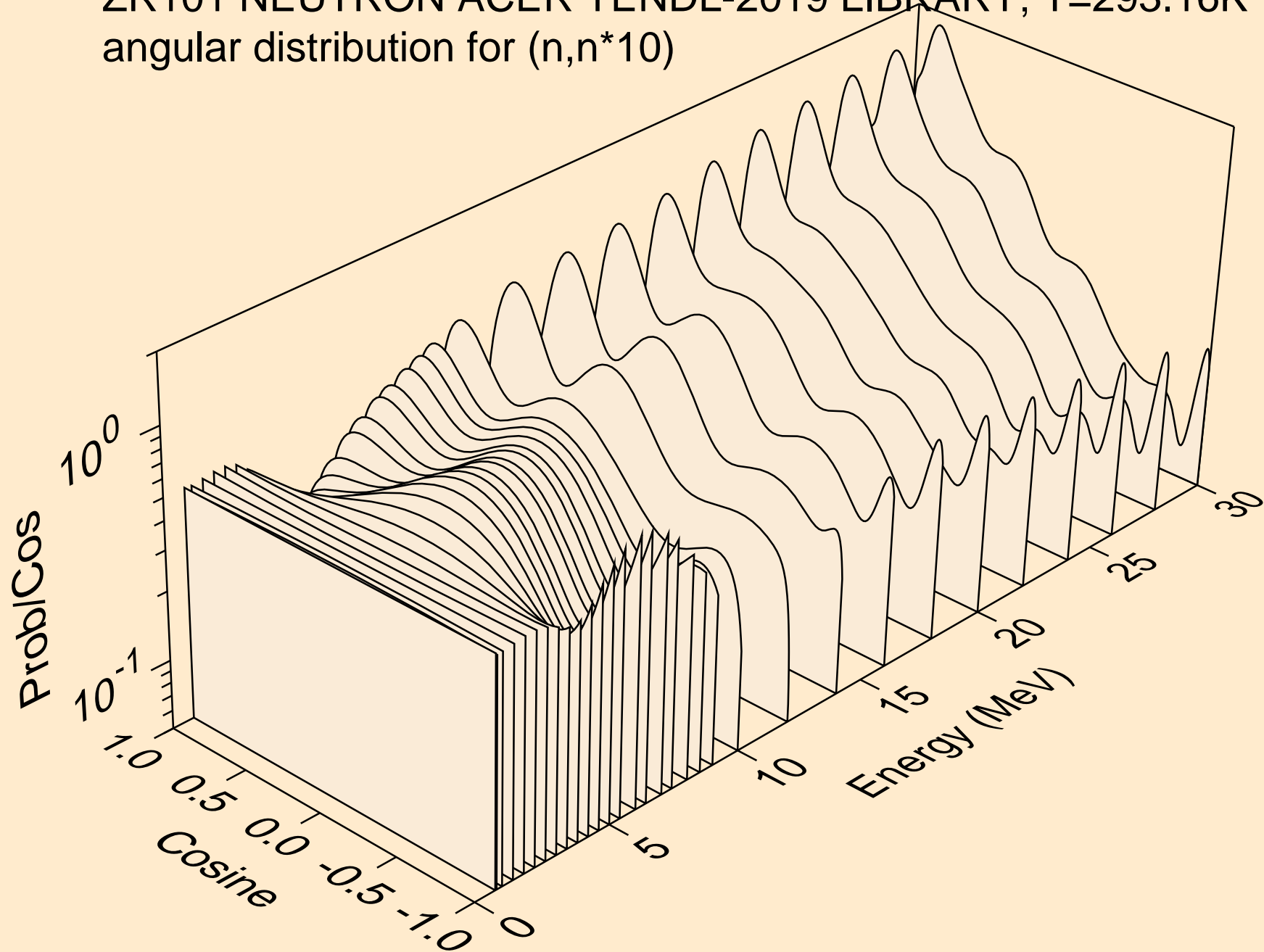
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



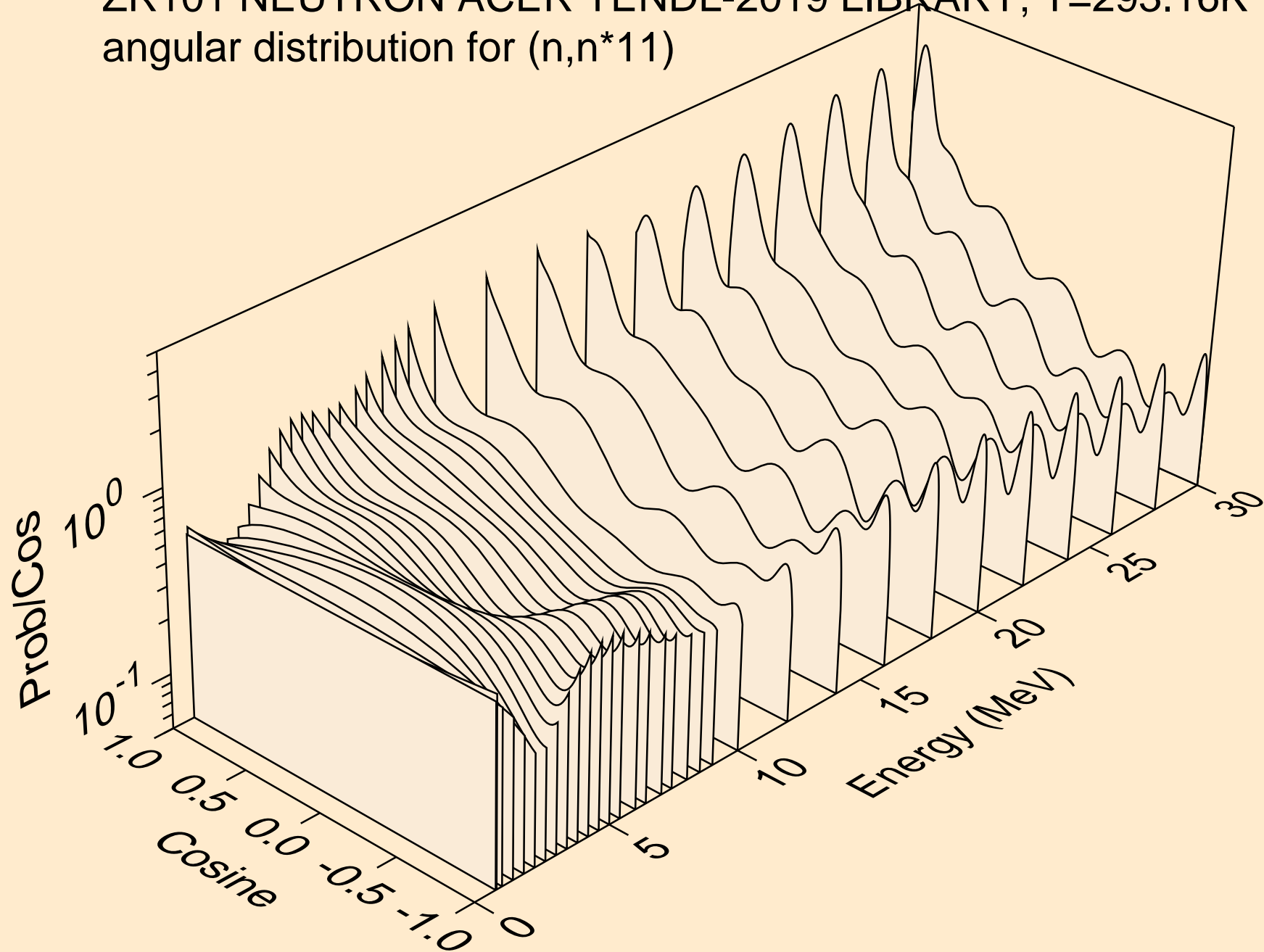
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



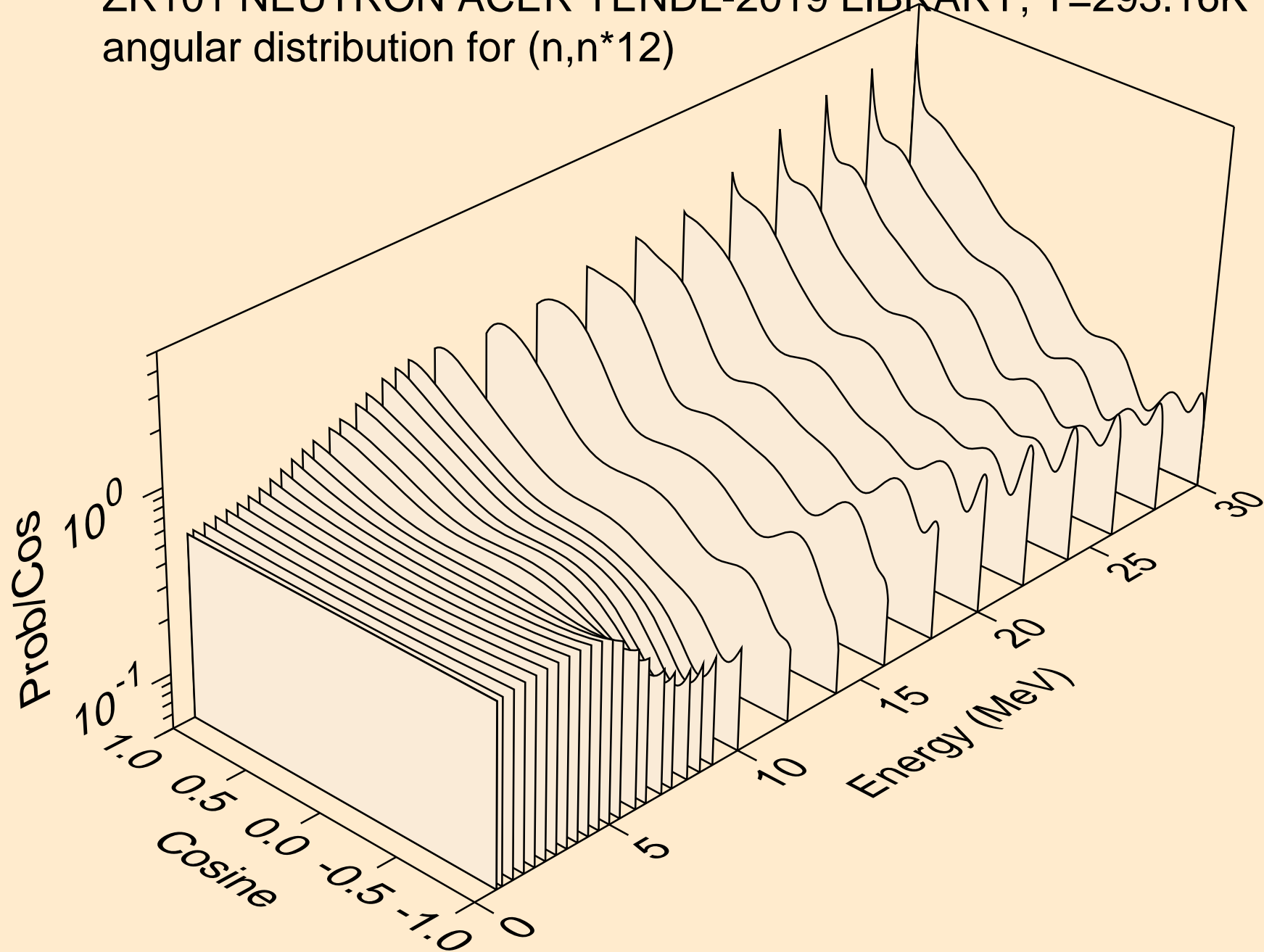
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



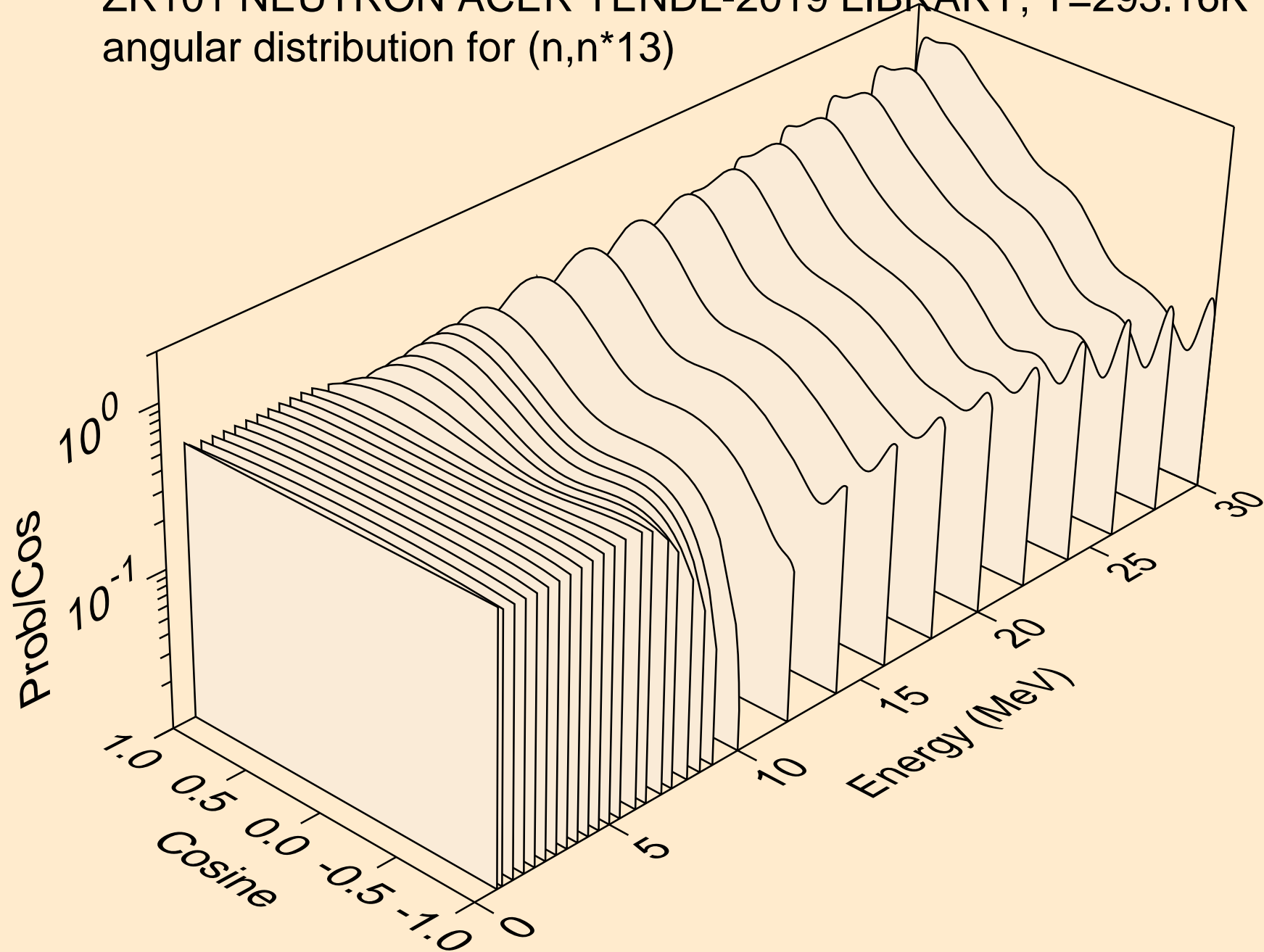
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



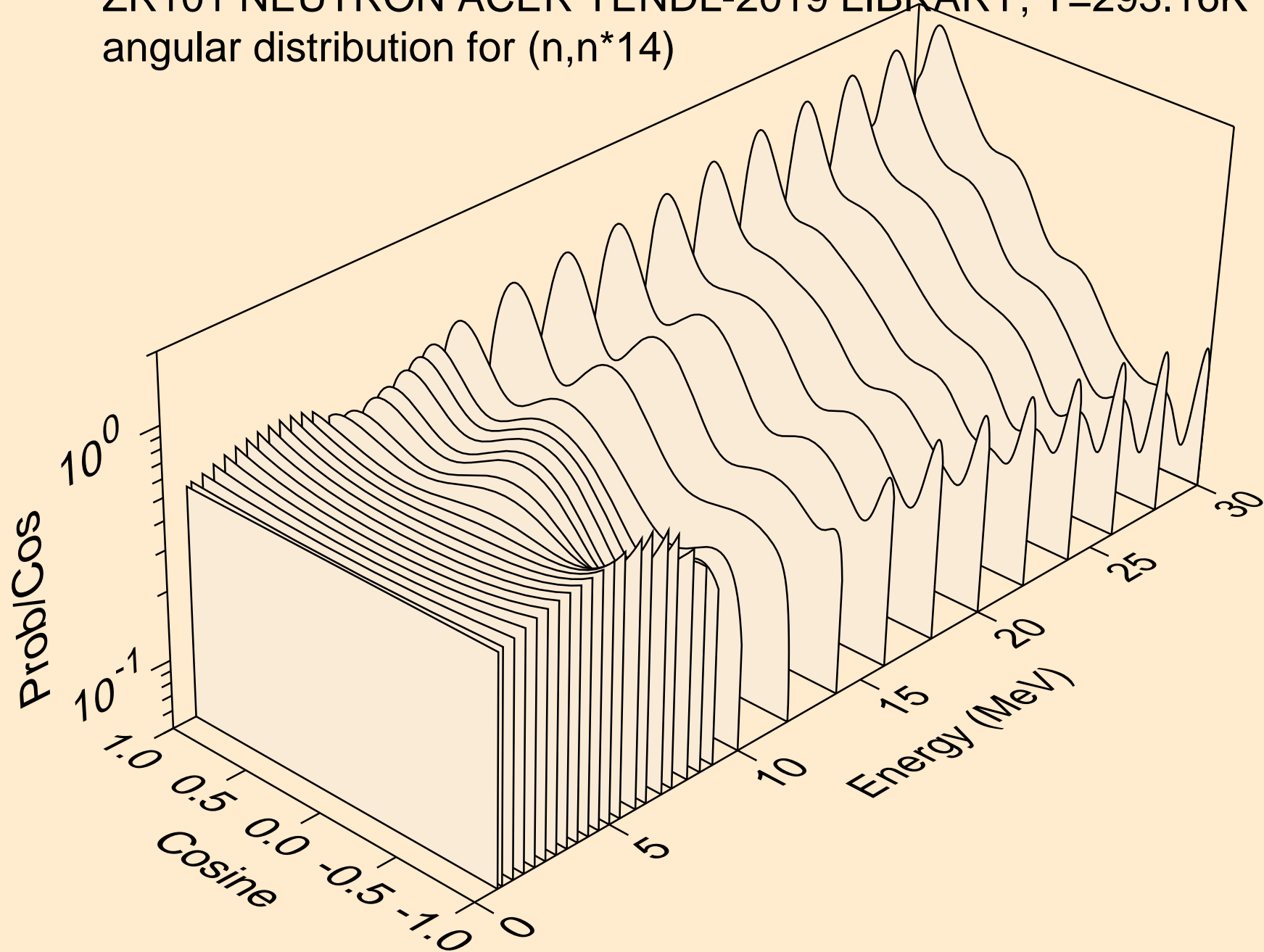
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



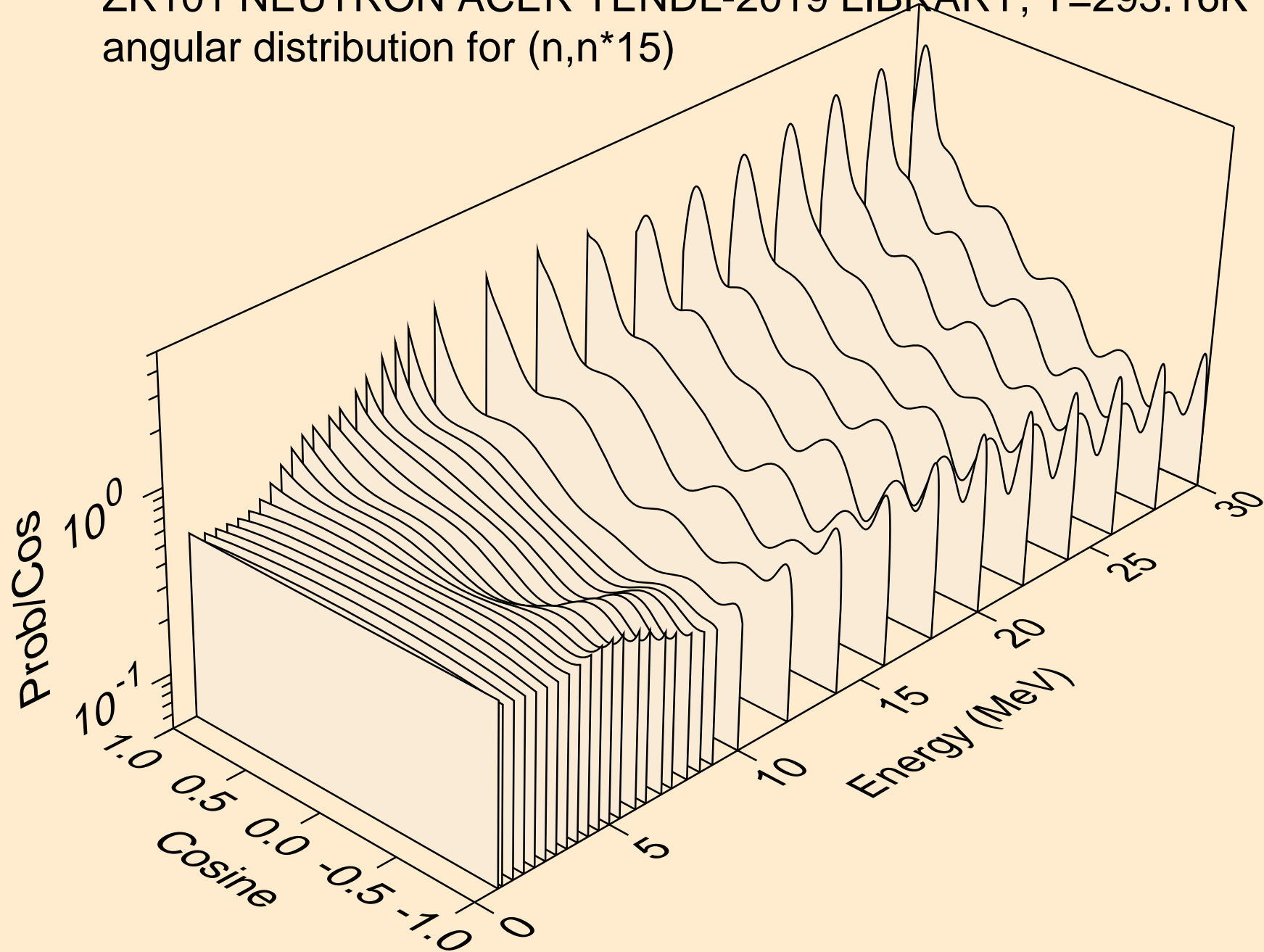
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



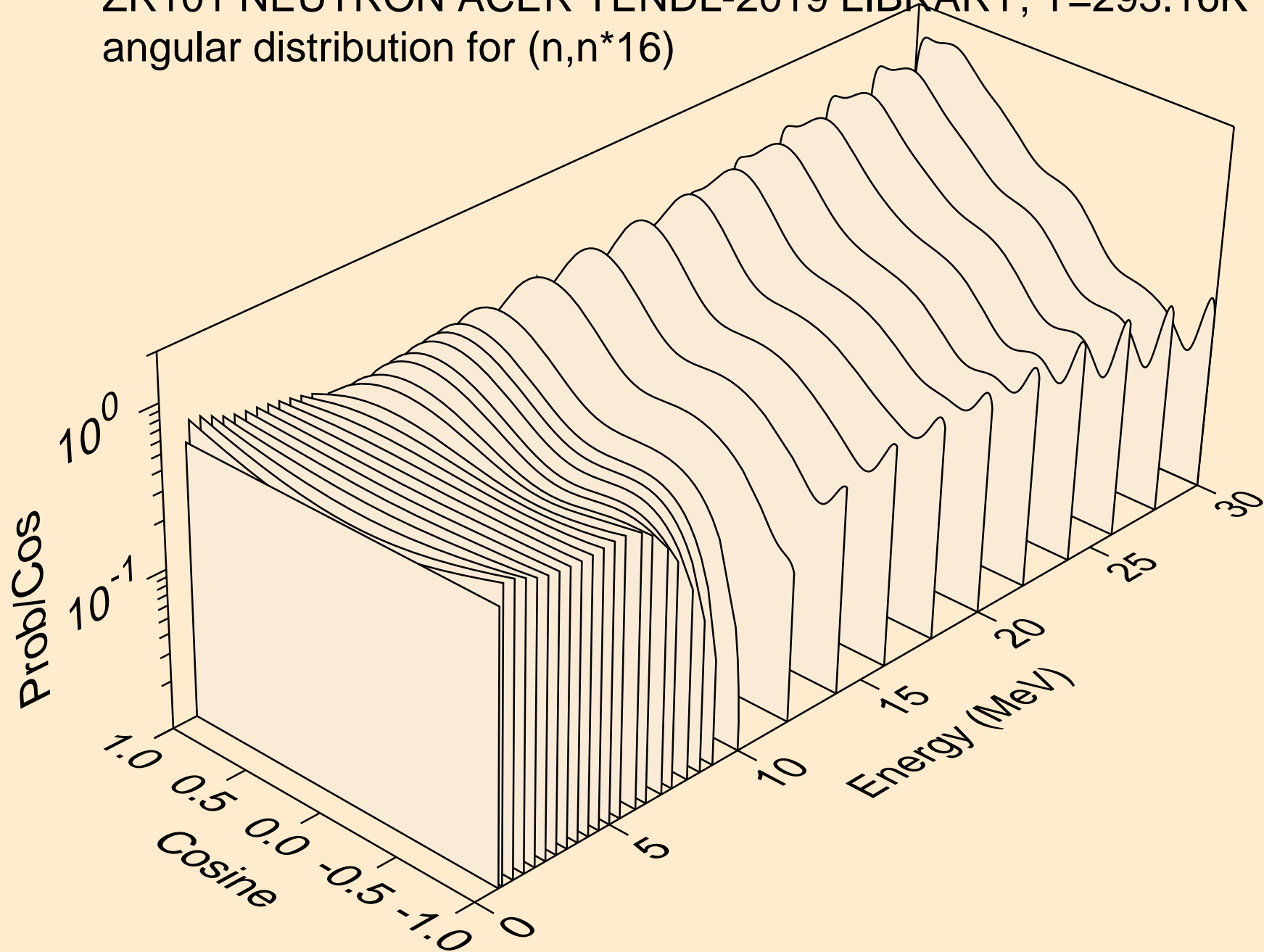
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



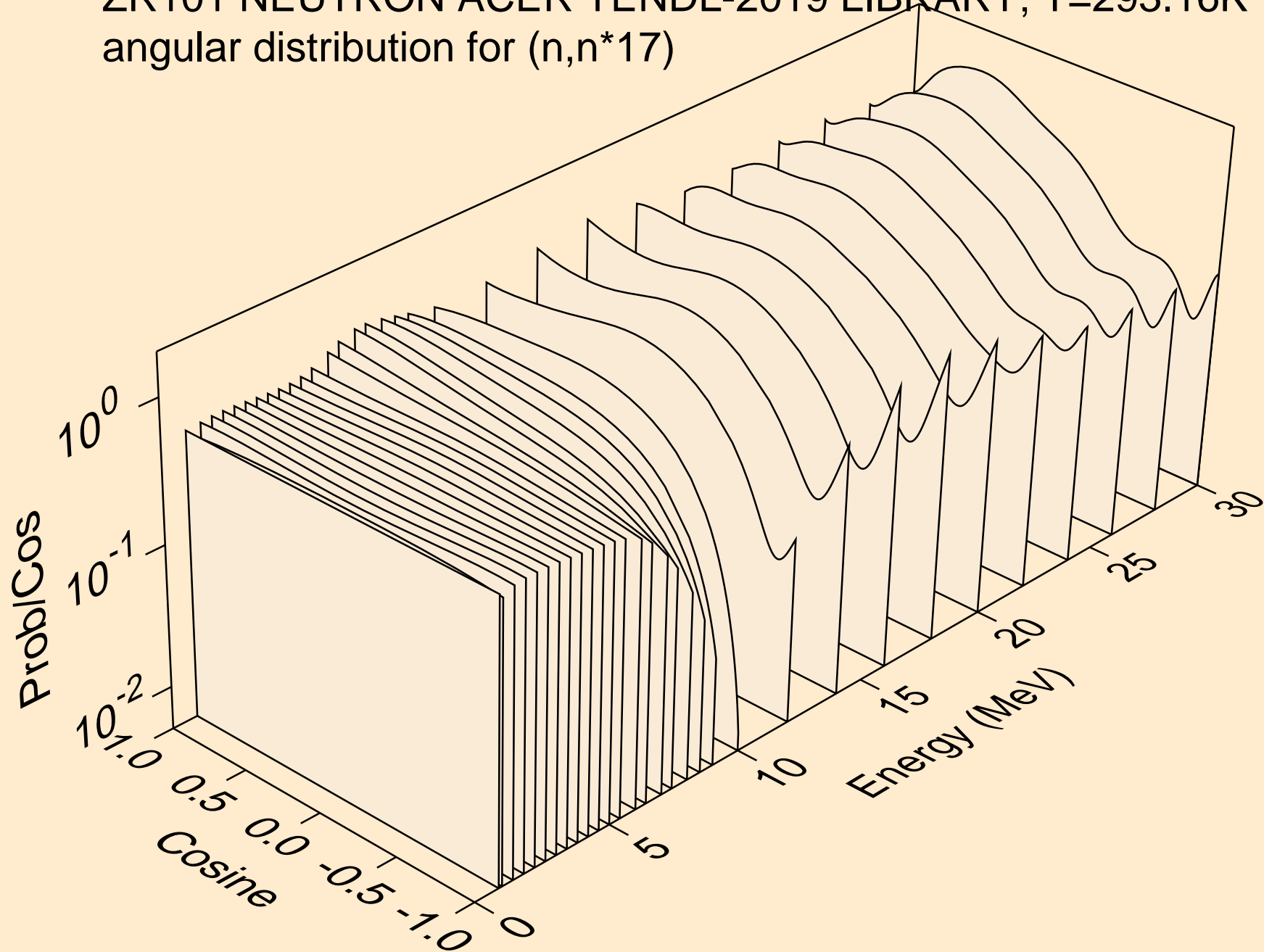
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



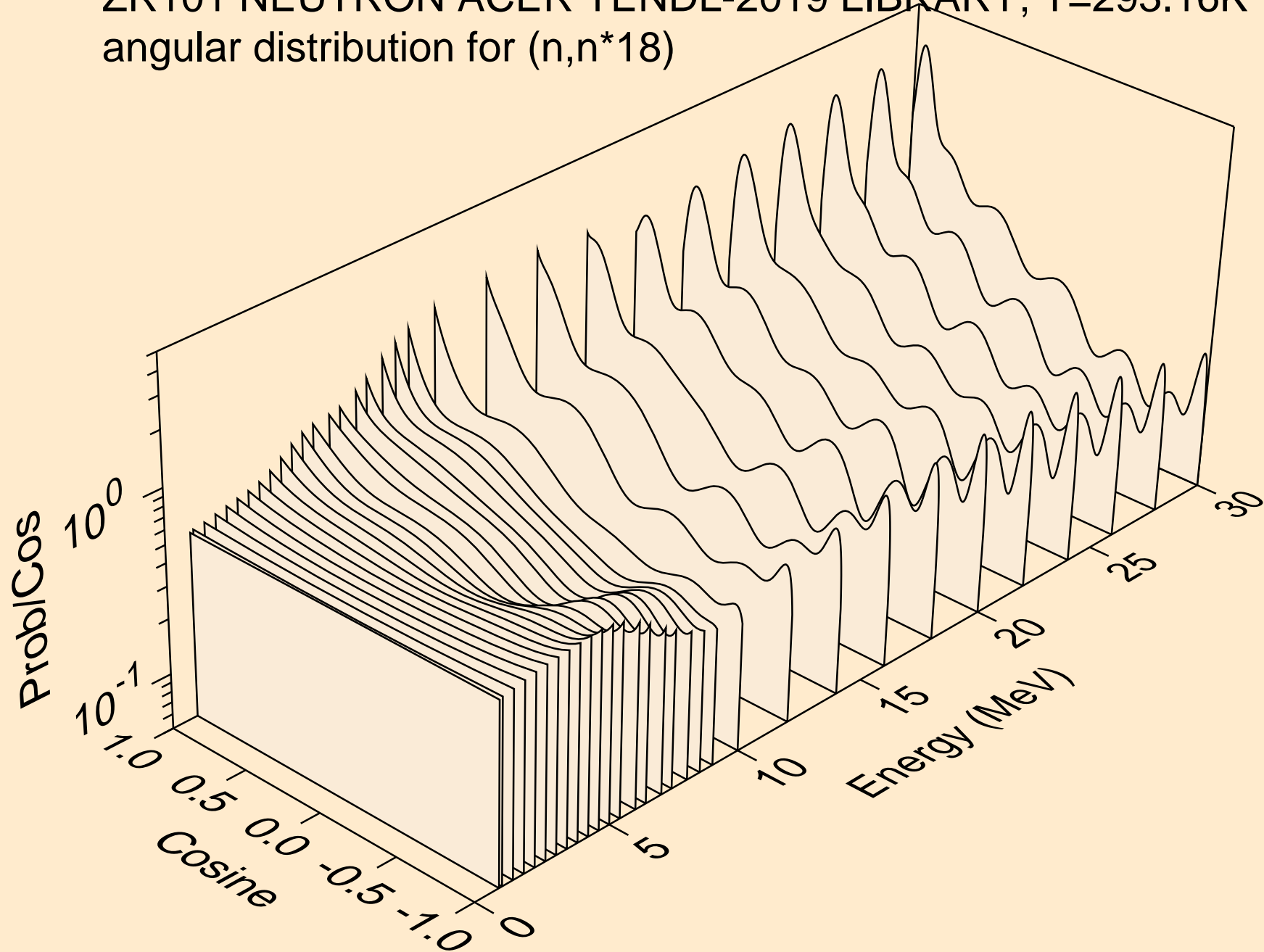
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*16)



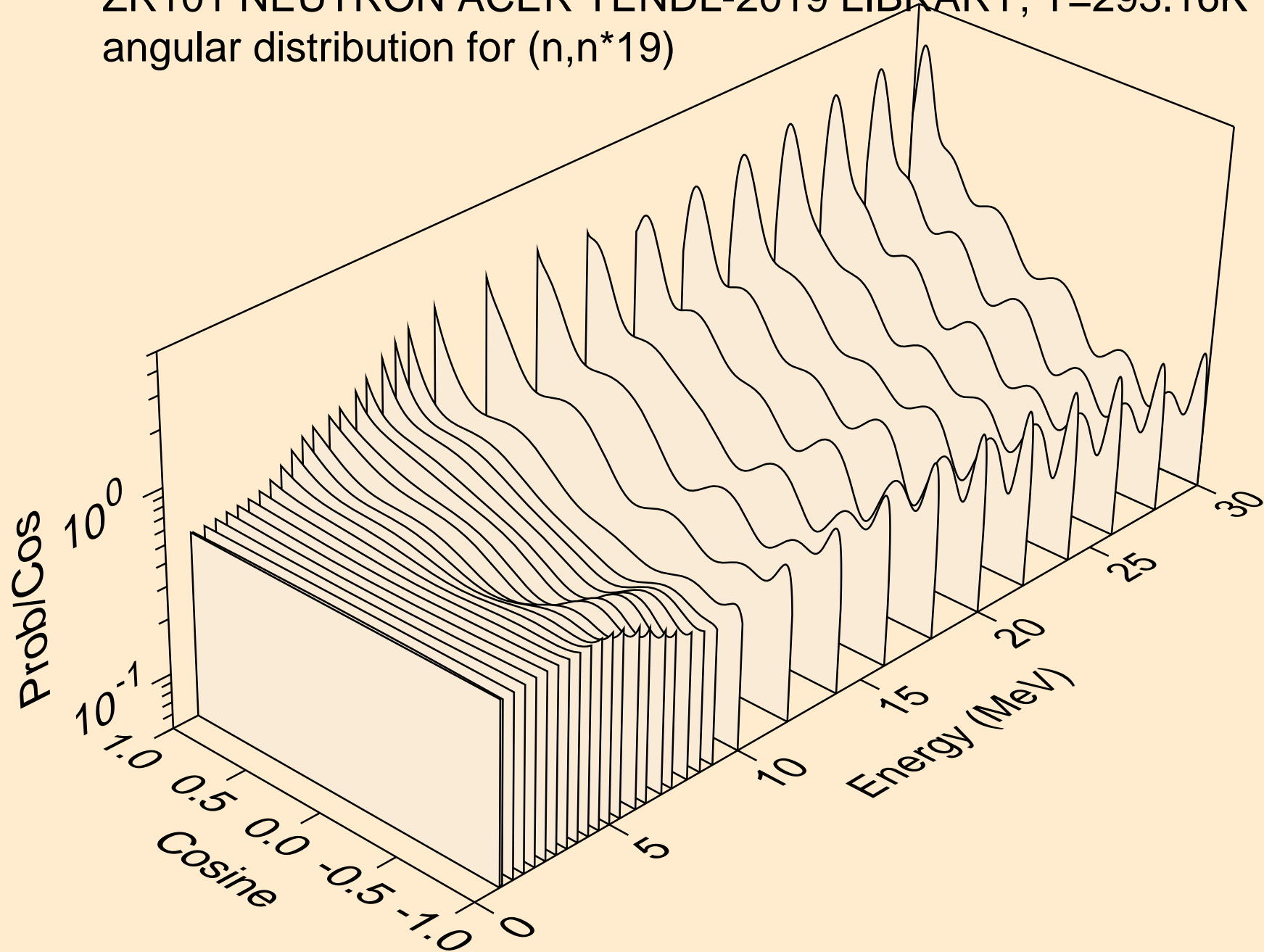
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*17)



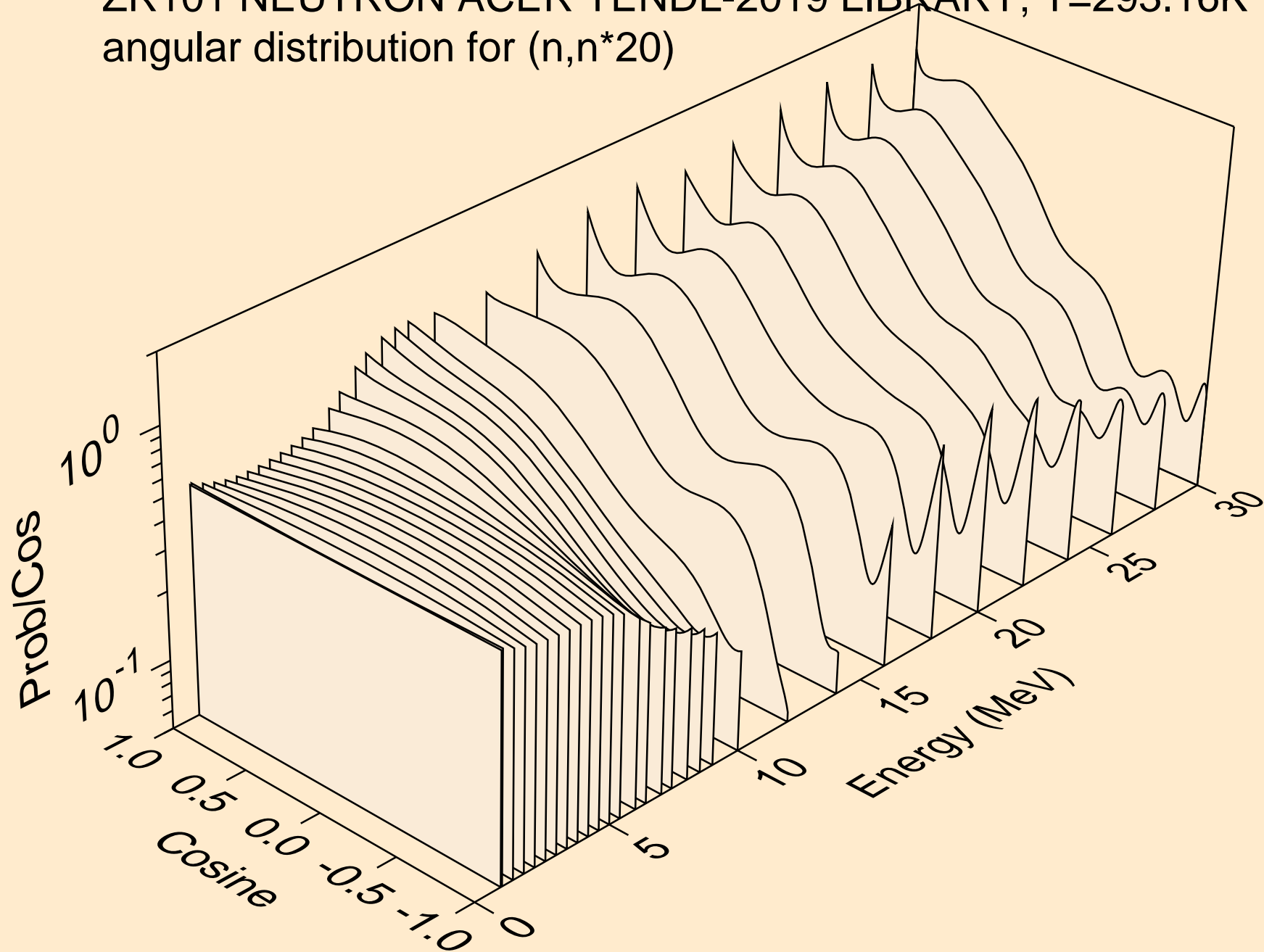
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



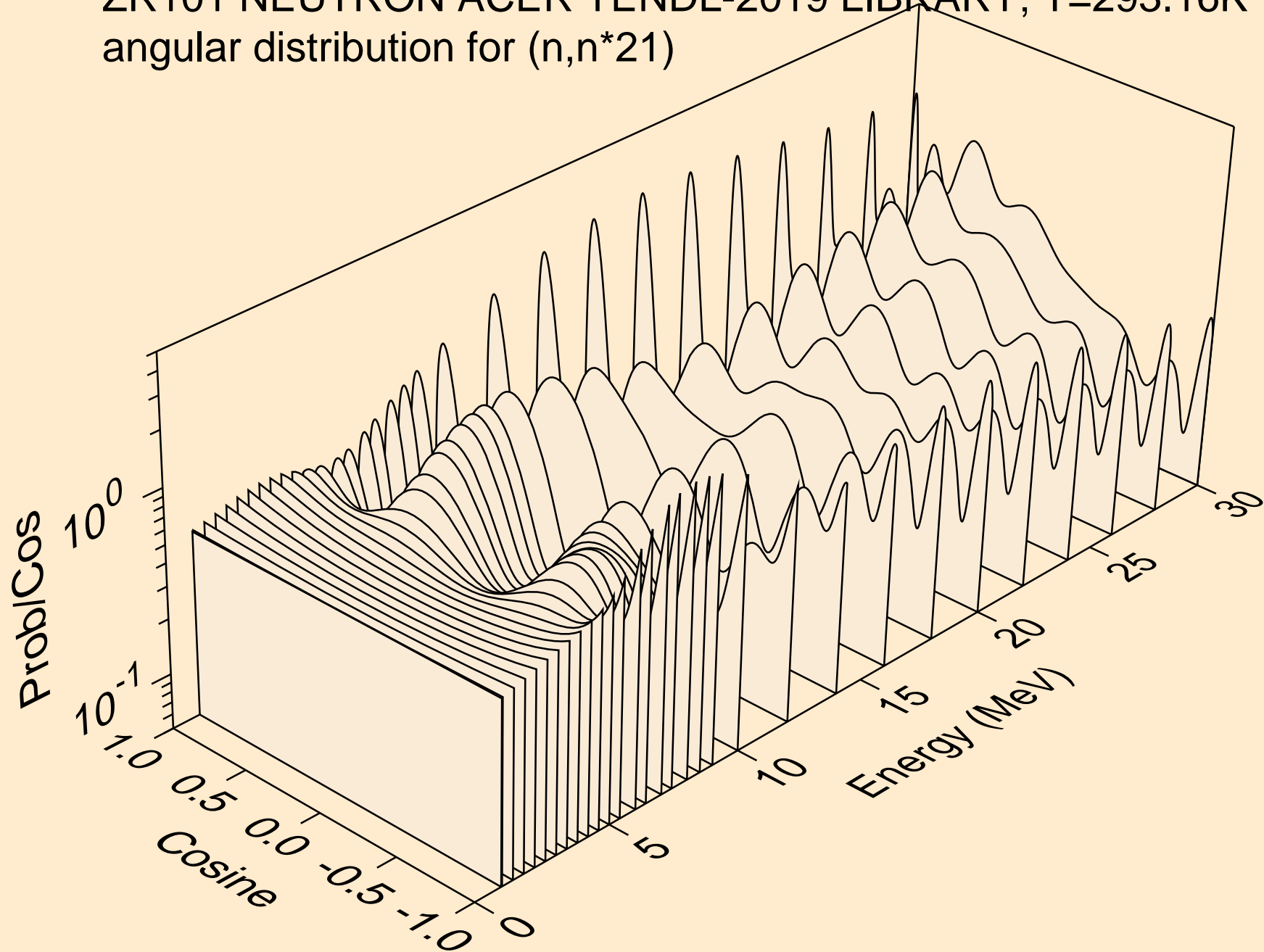
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



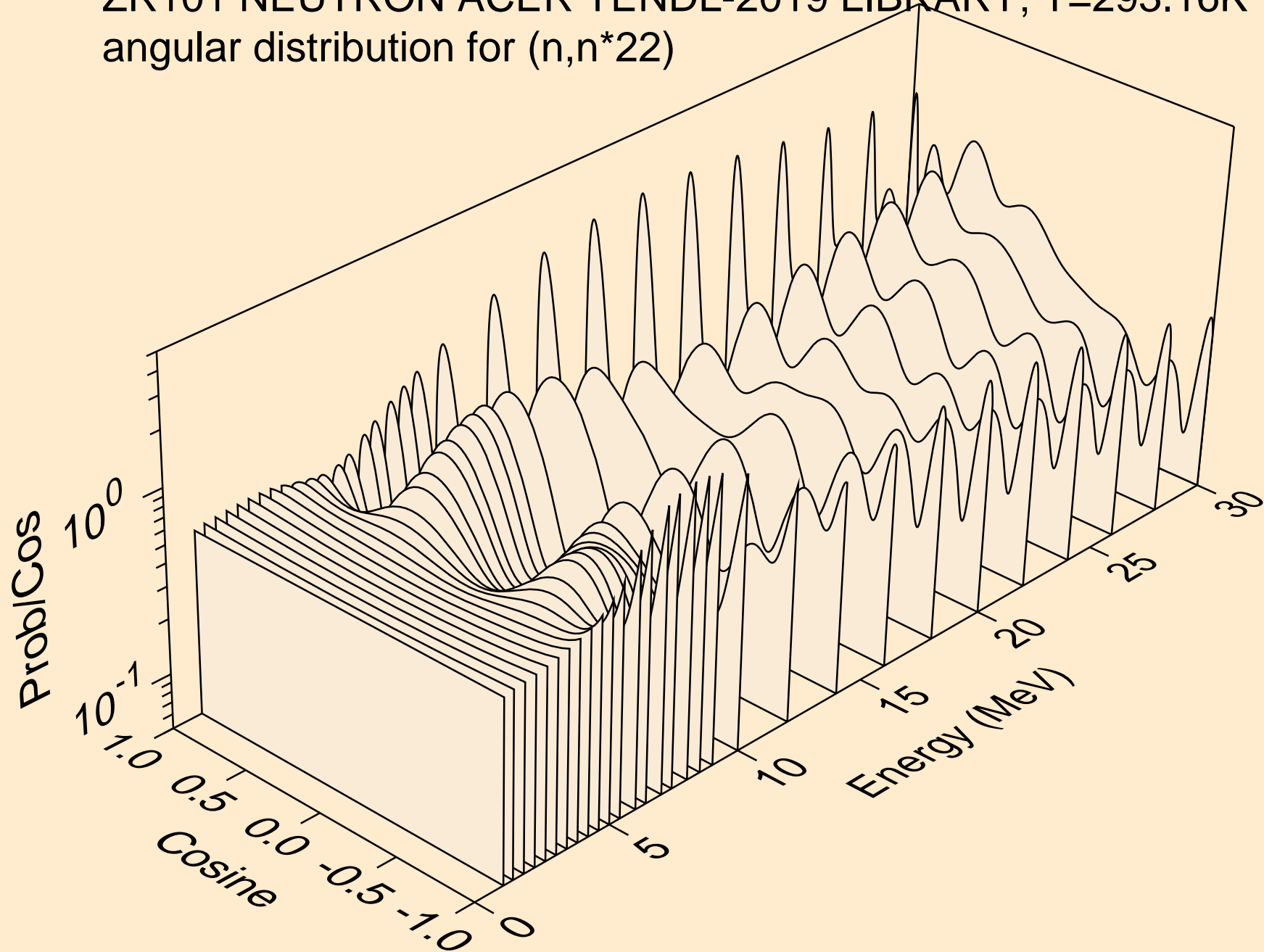
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



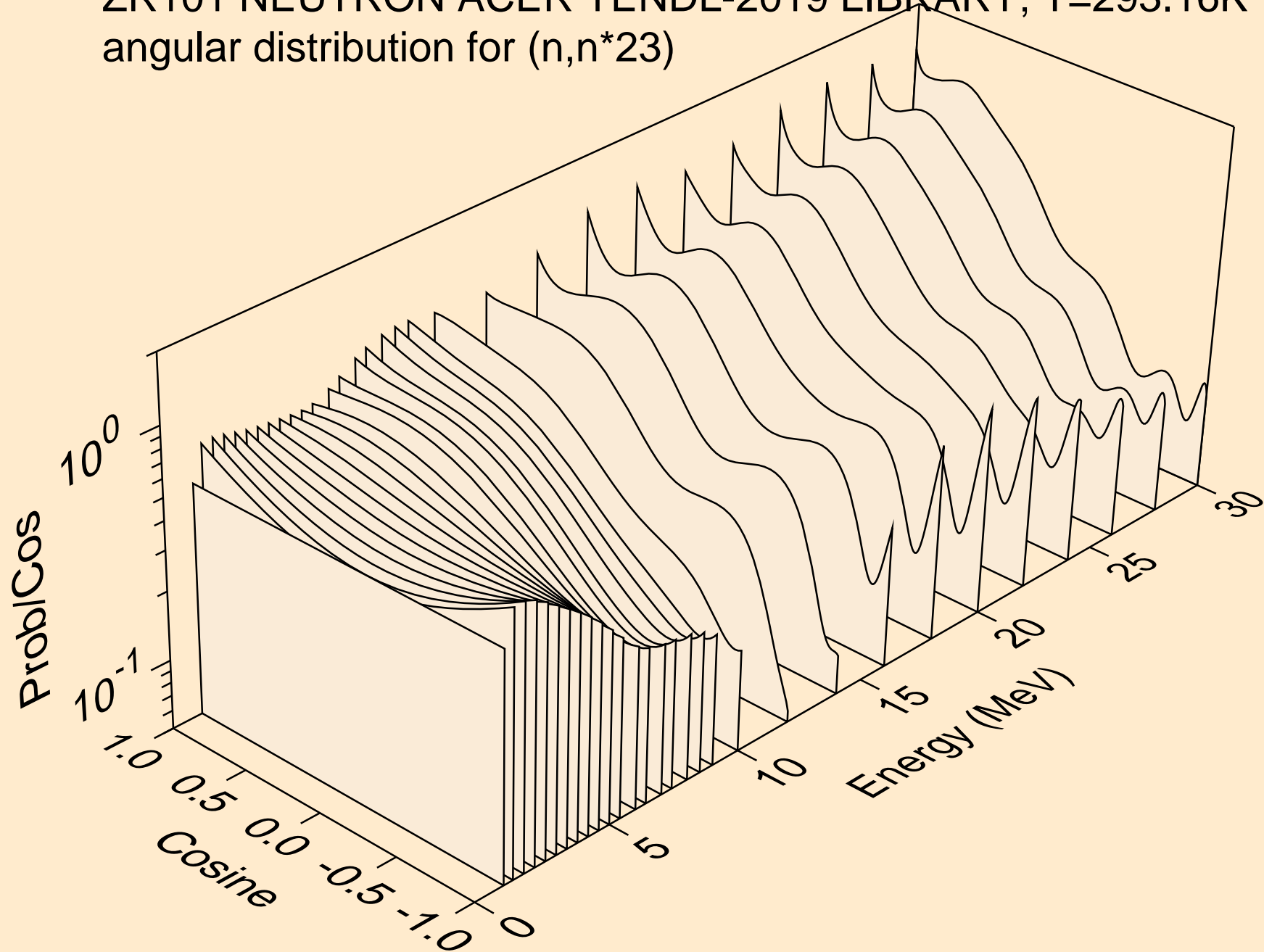
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



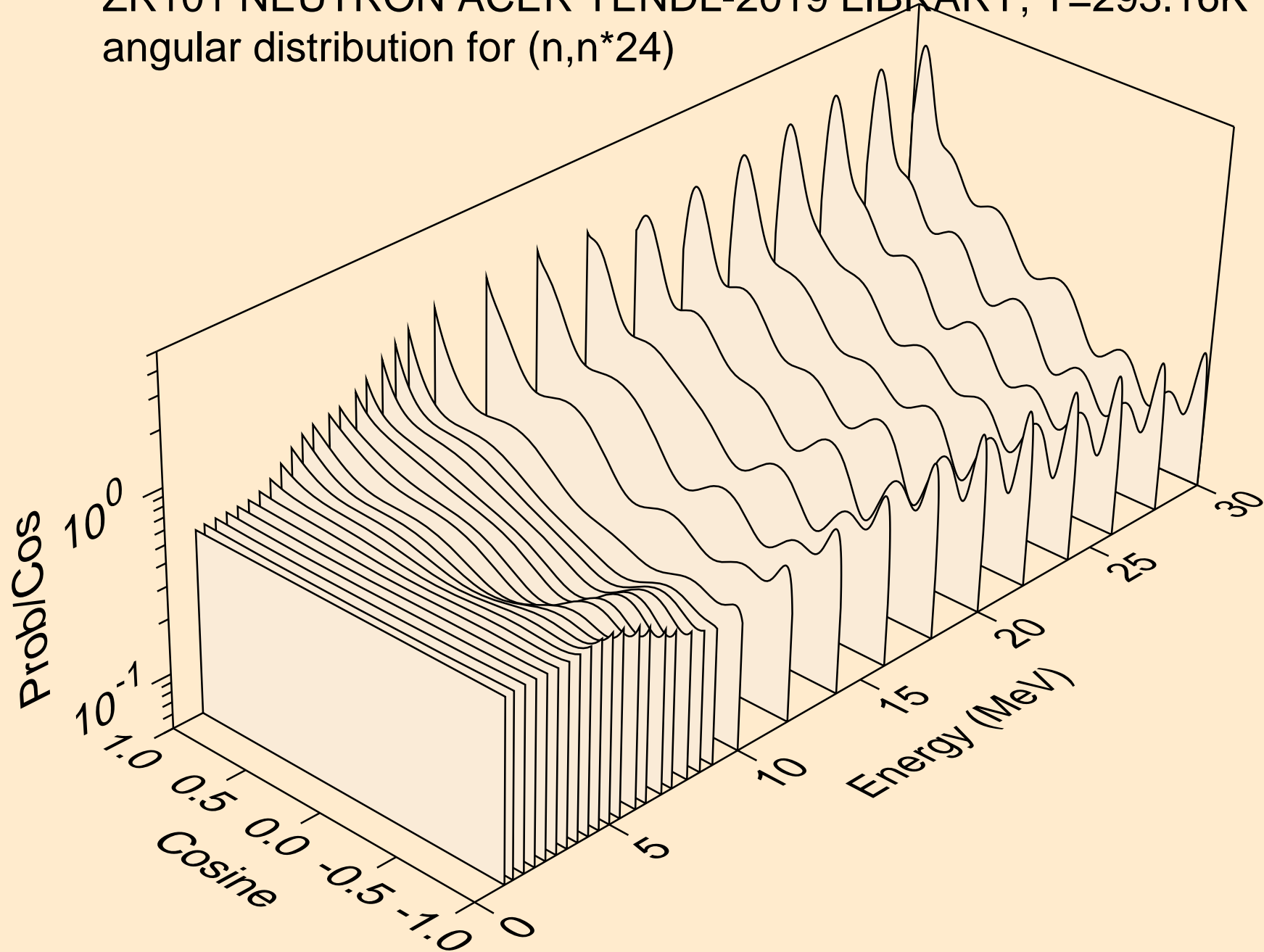
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*22)



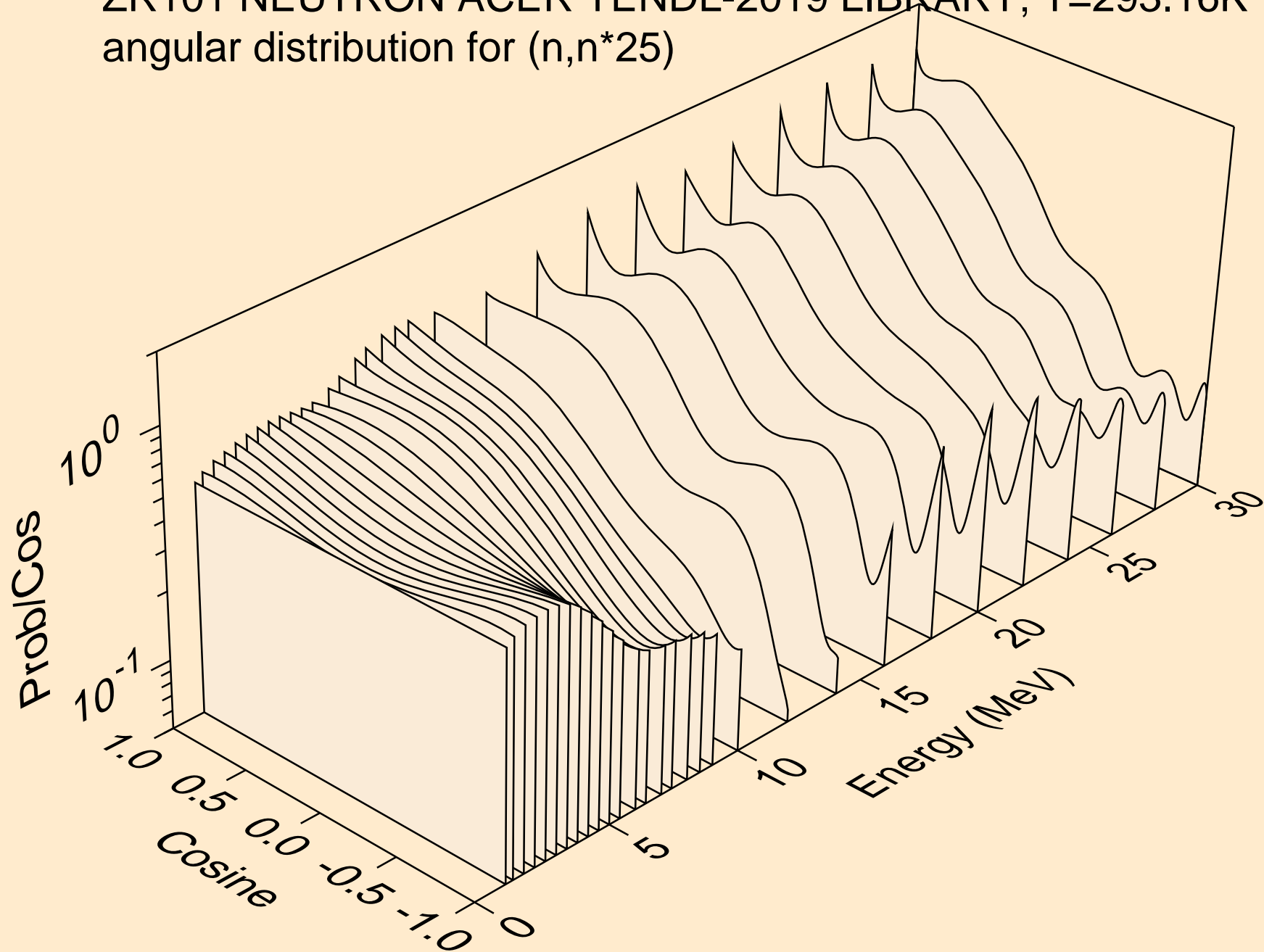
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*23)



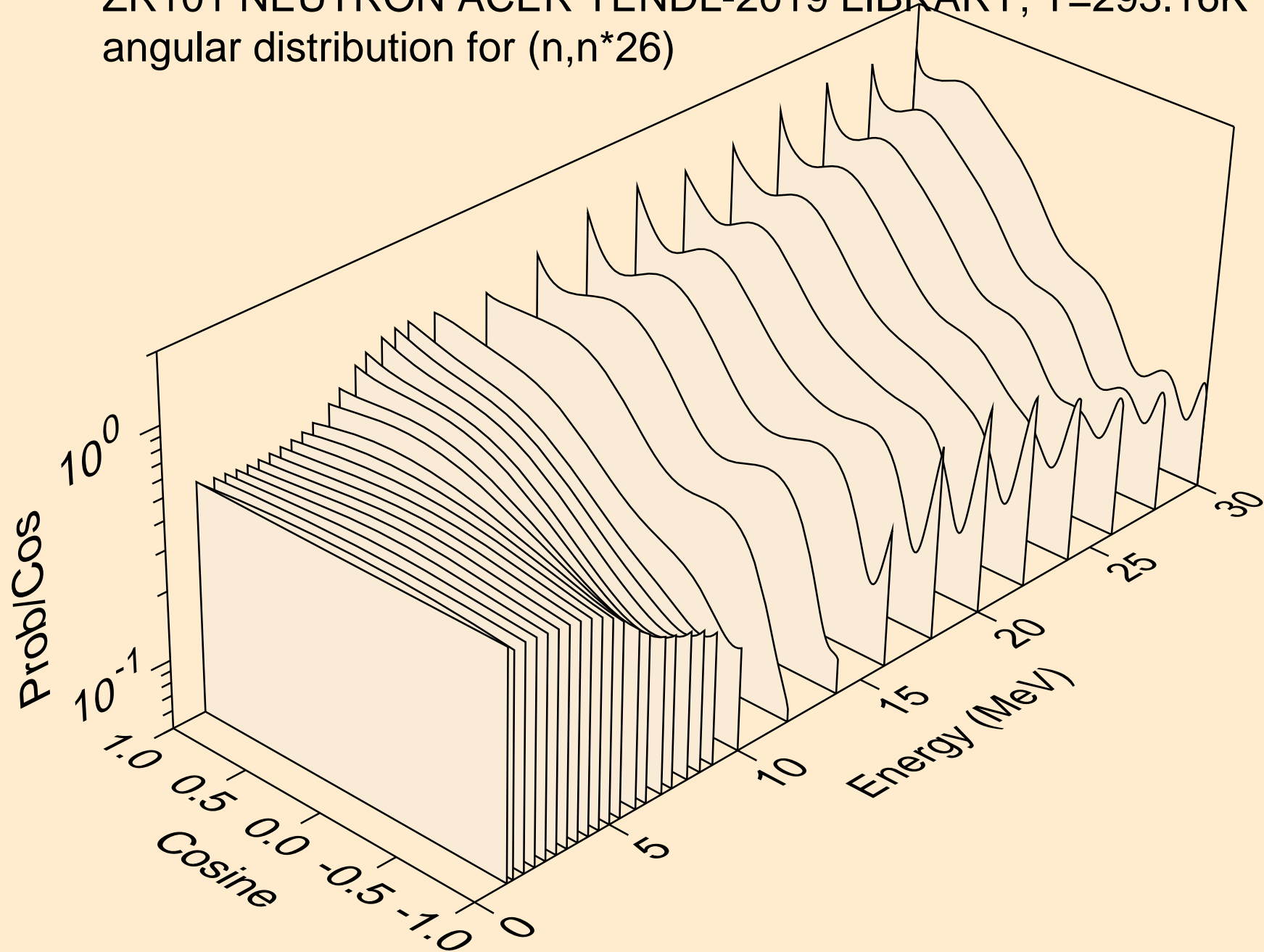
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



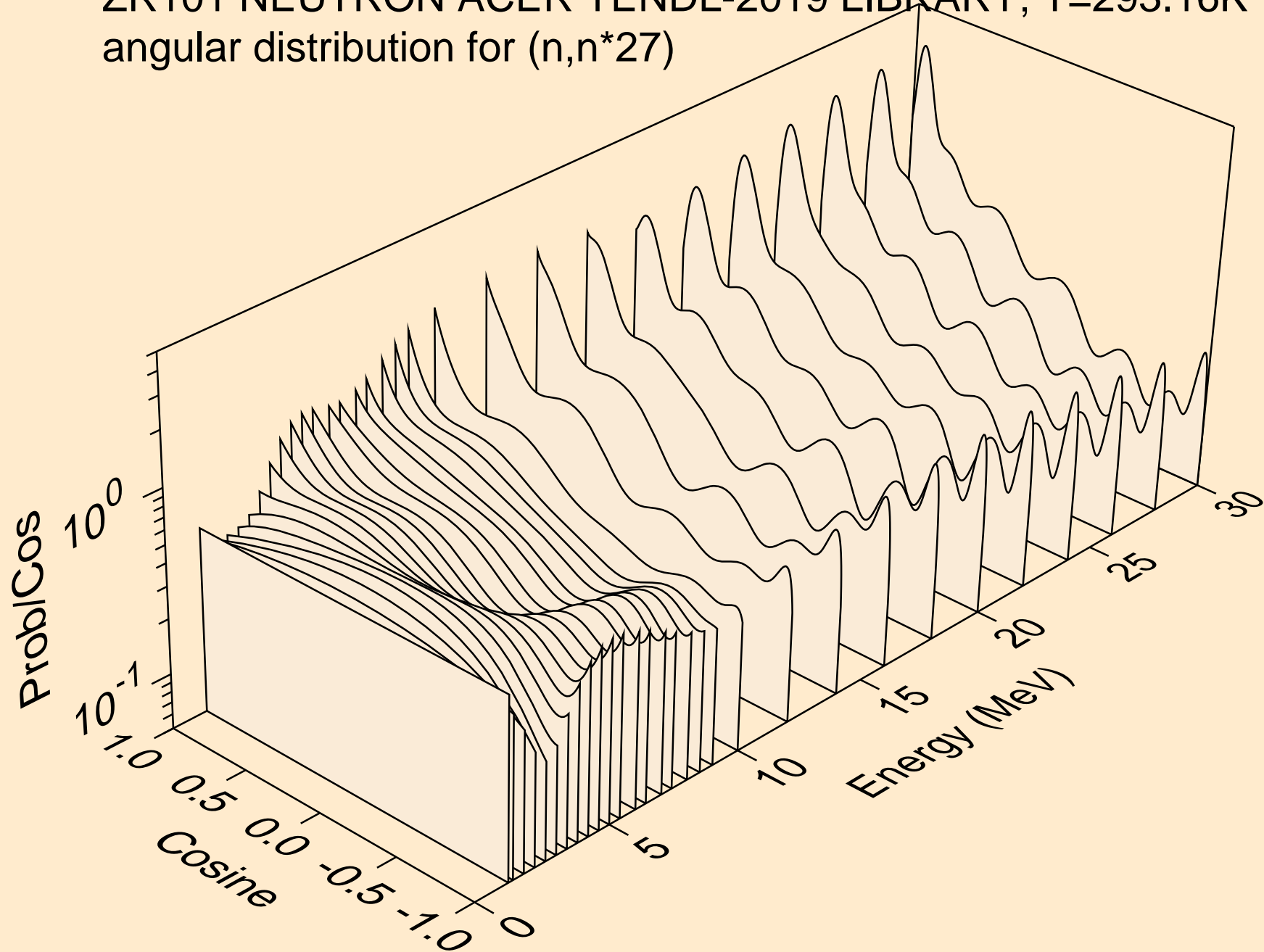
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



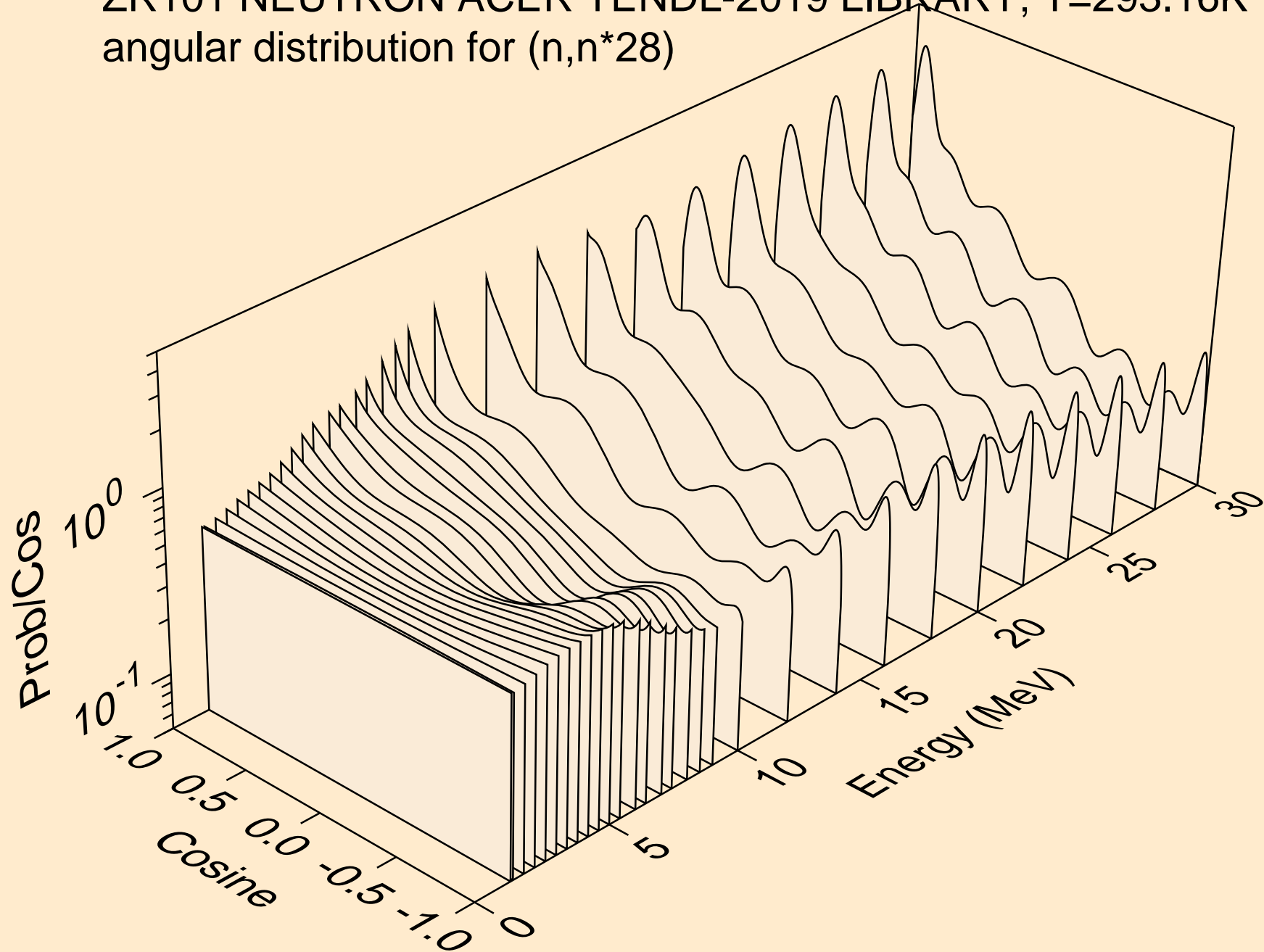
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



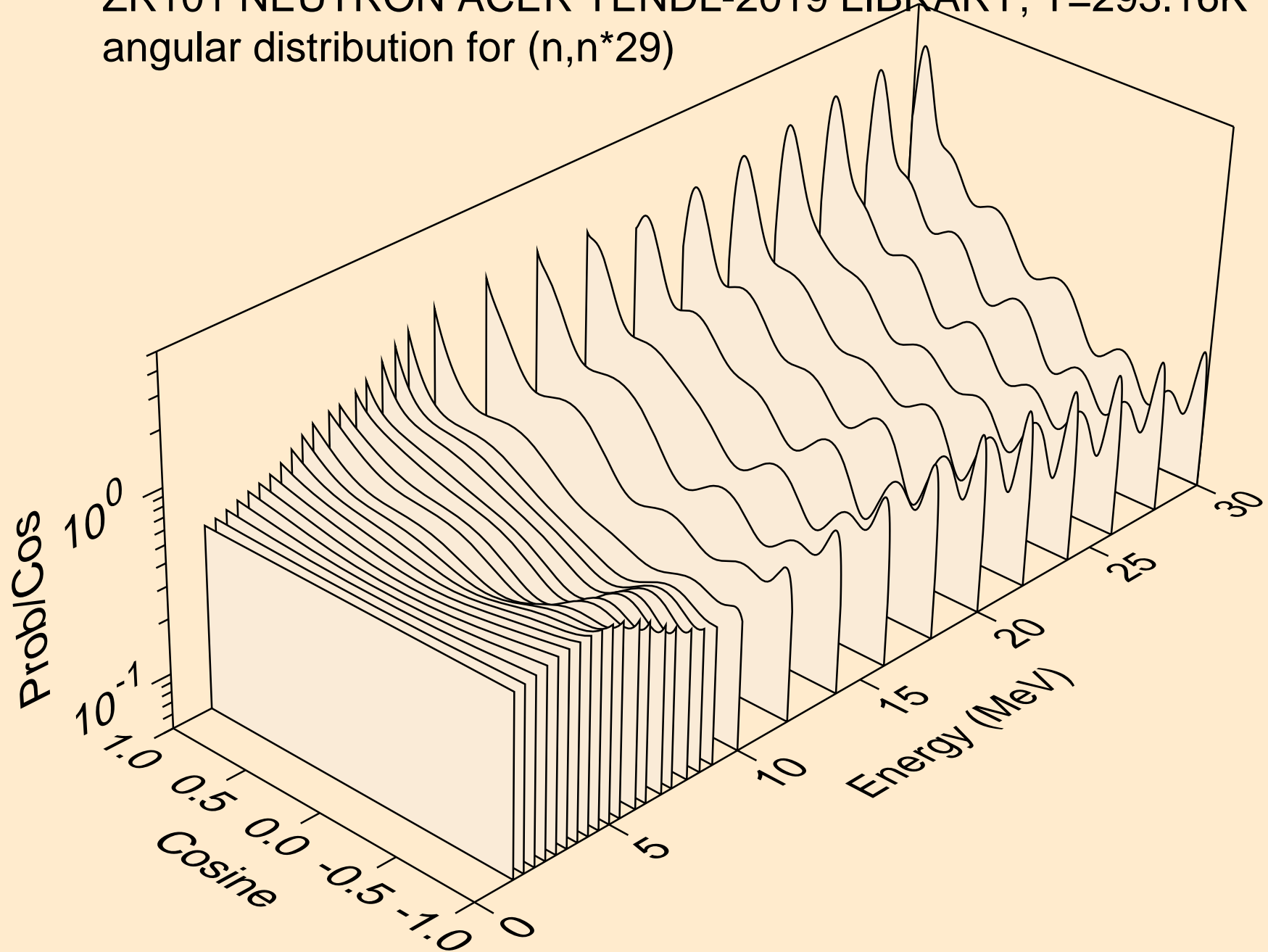
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



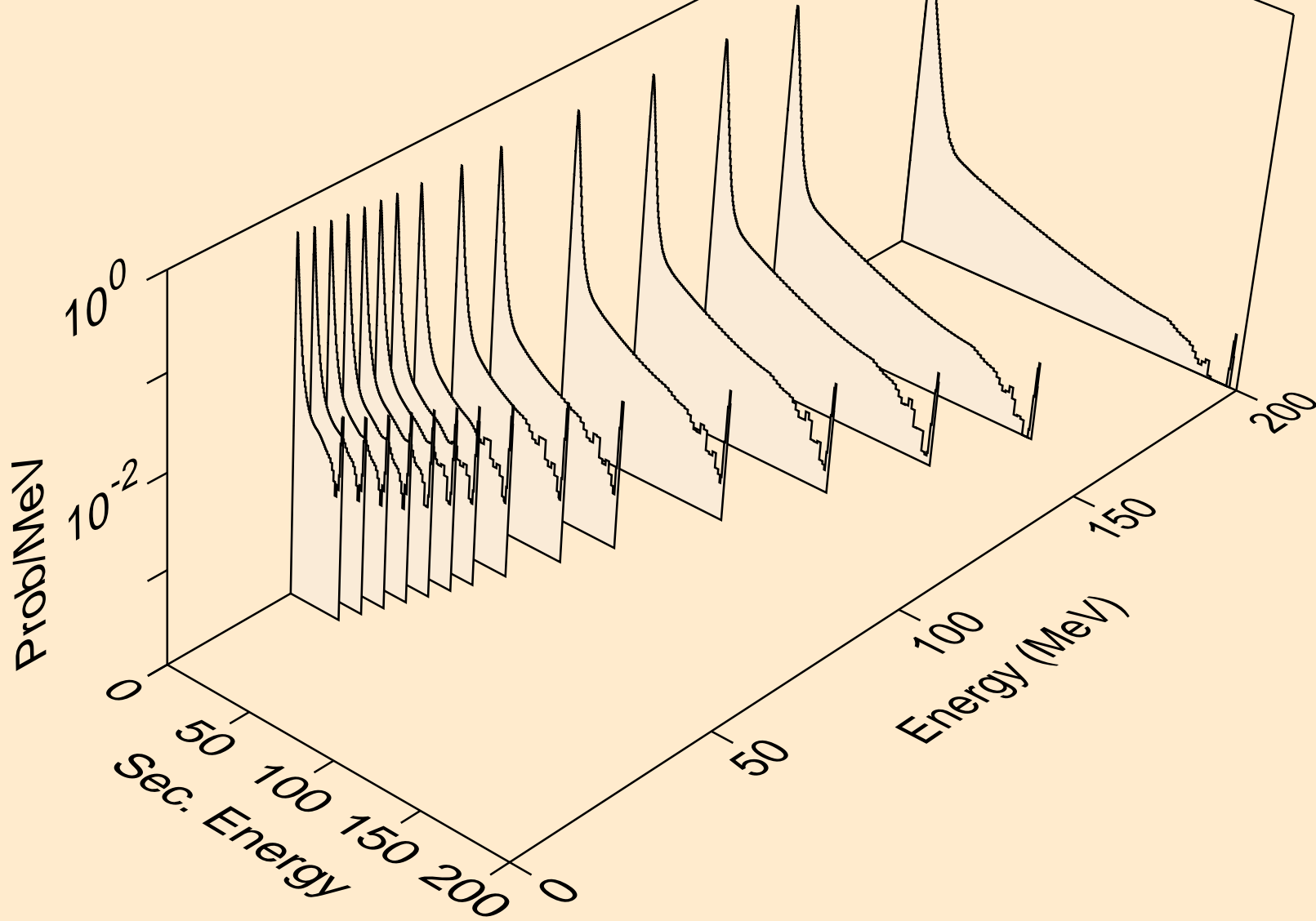
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



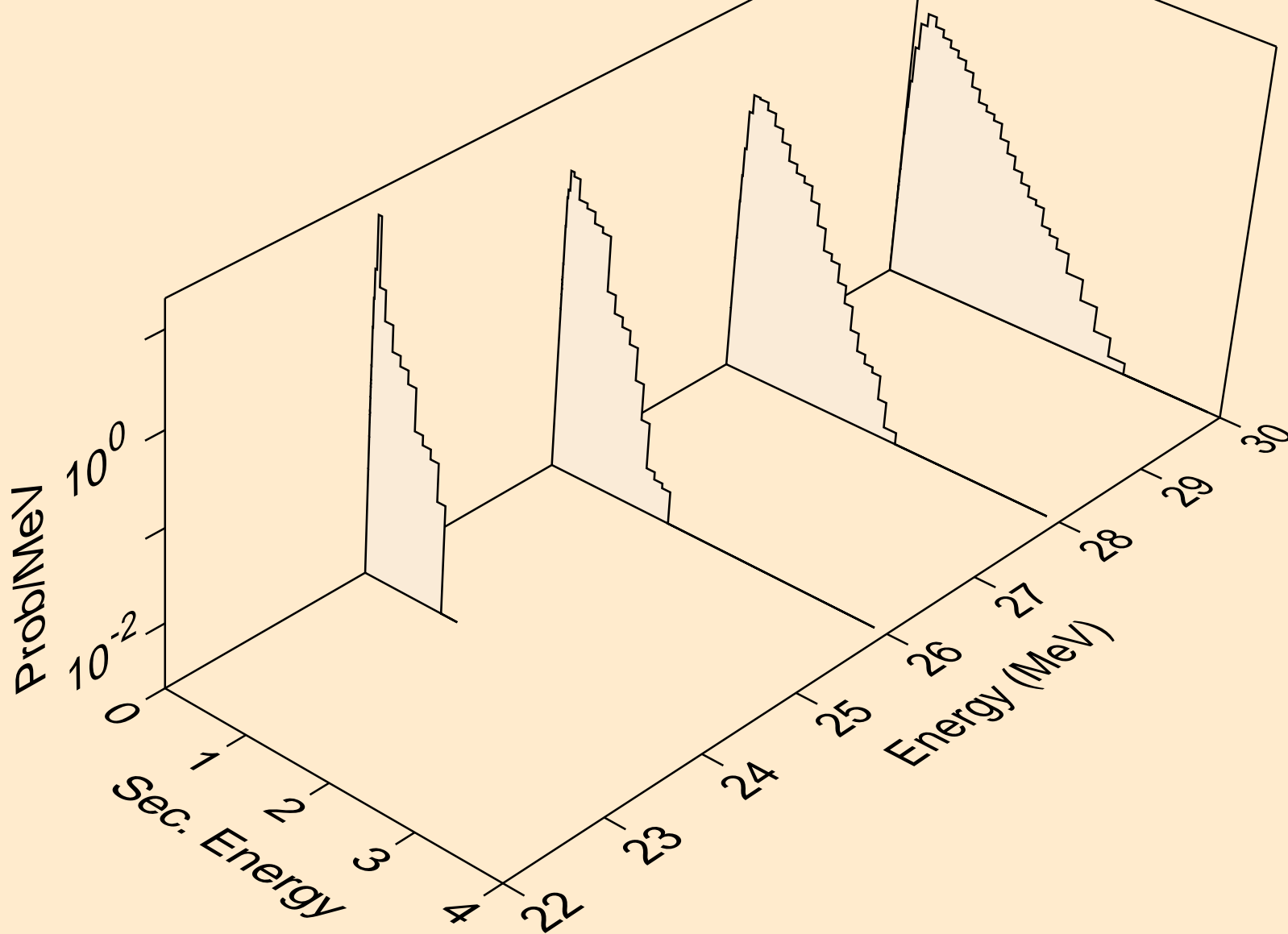
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



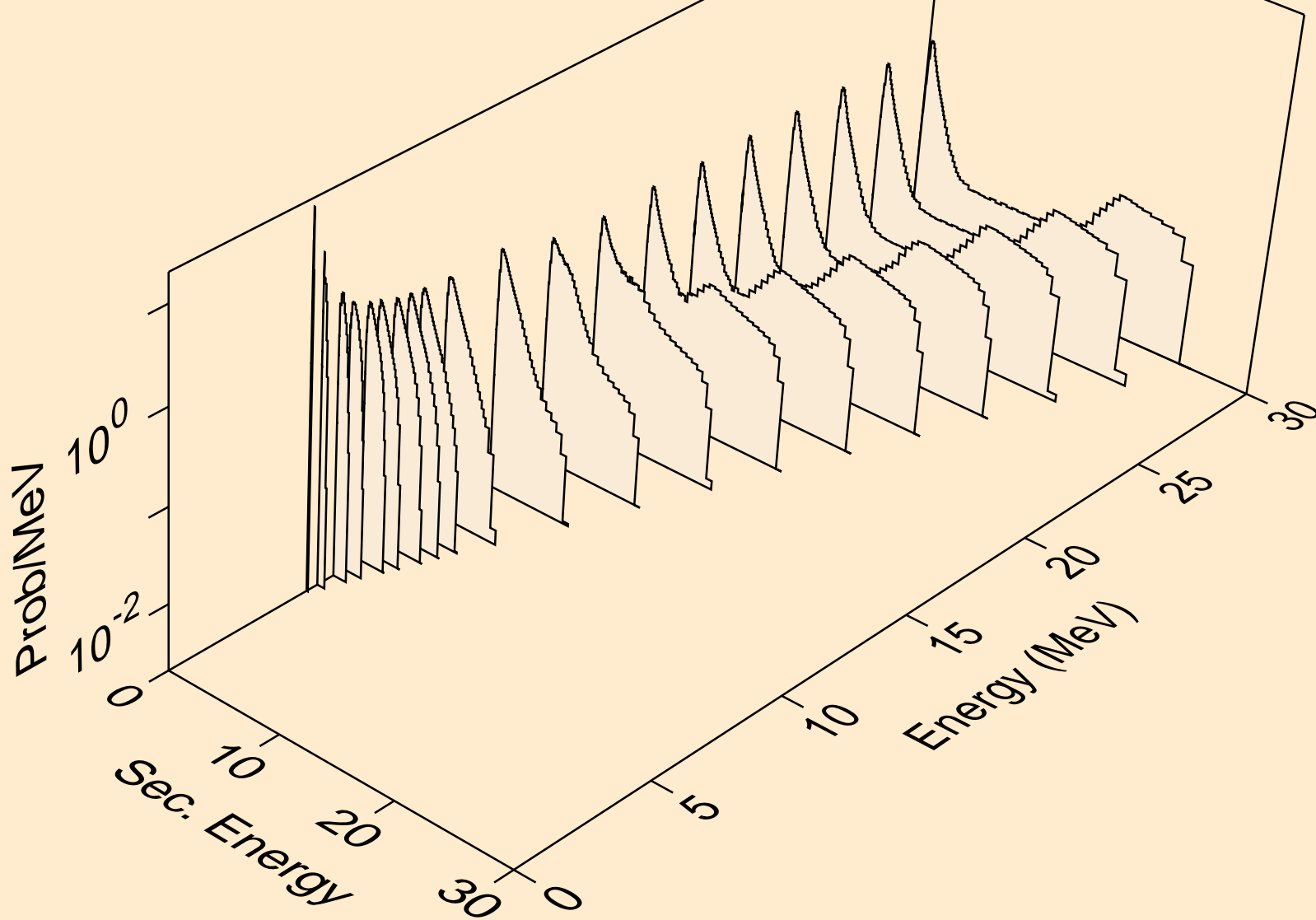
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



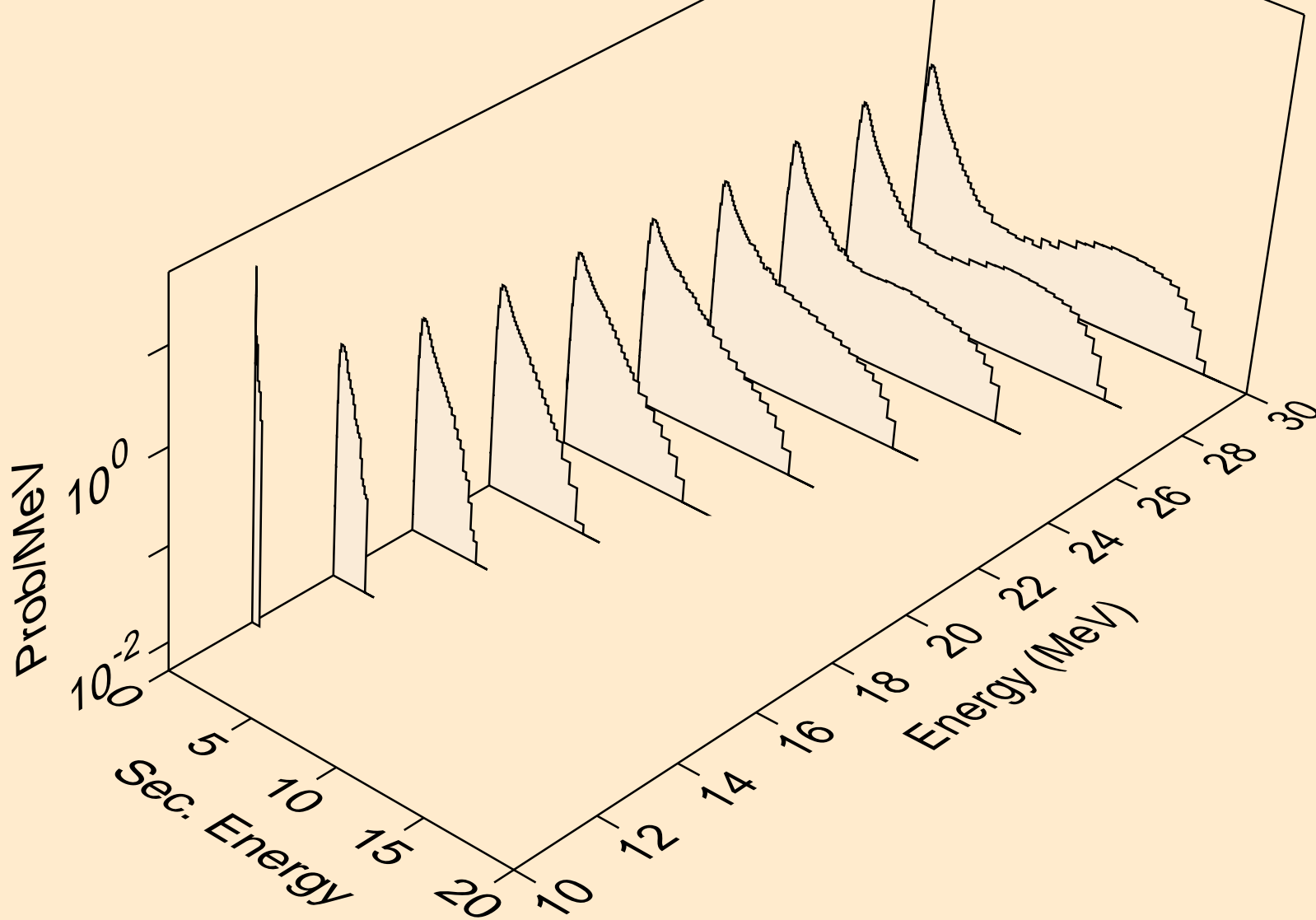
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



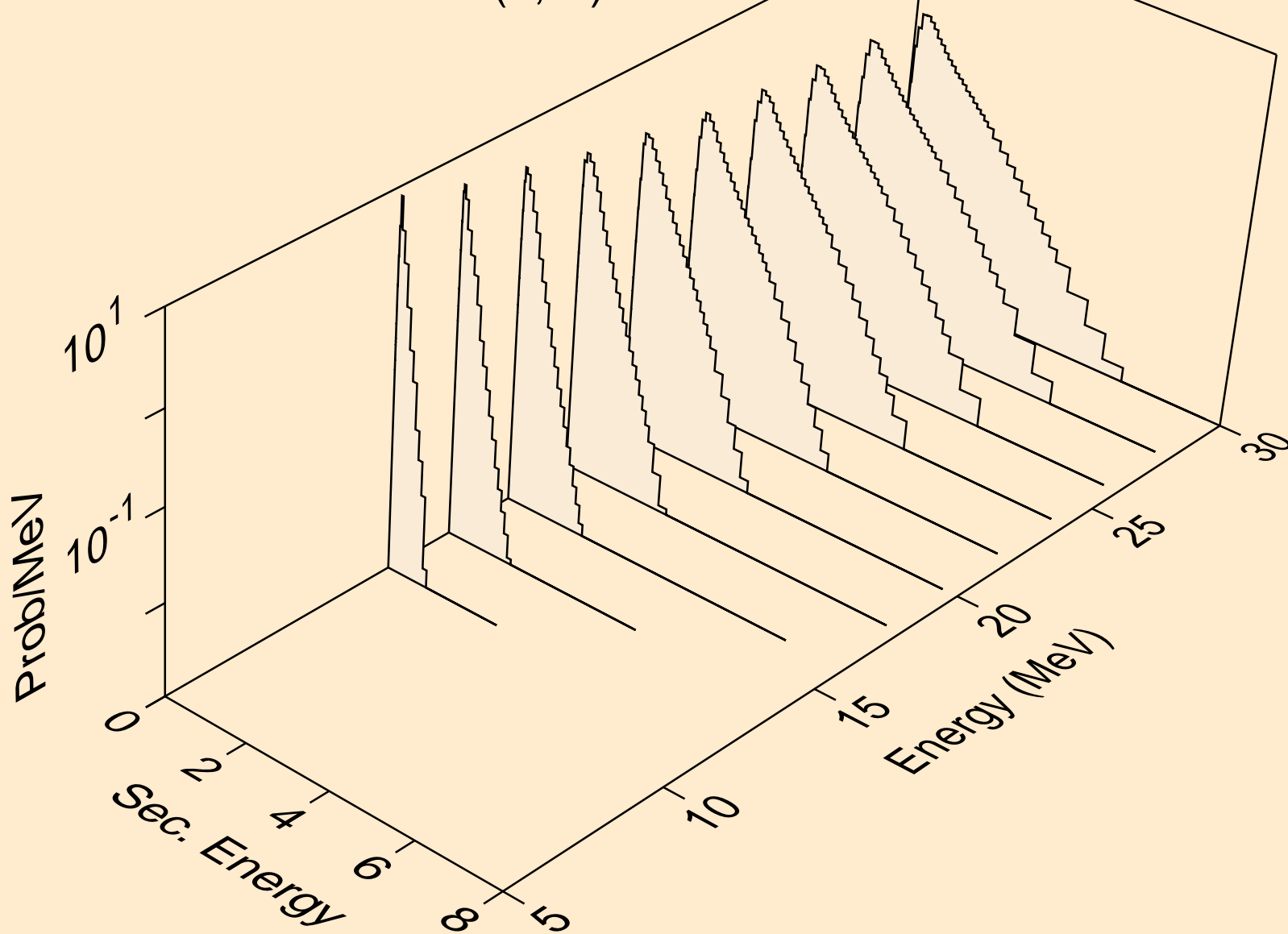
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



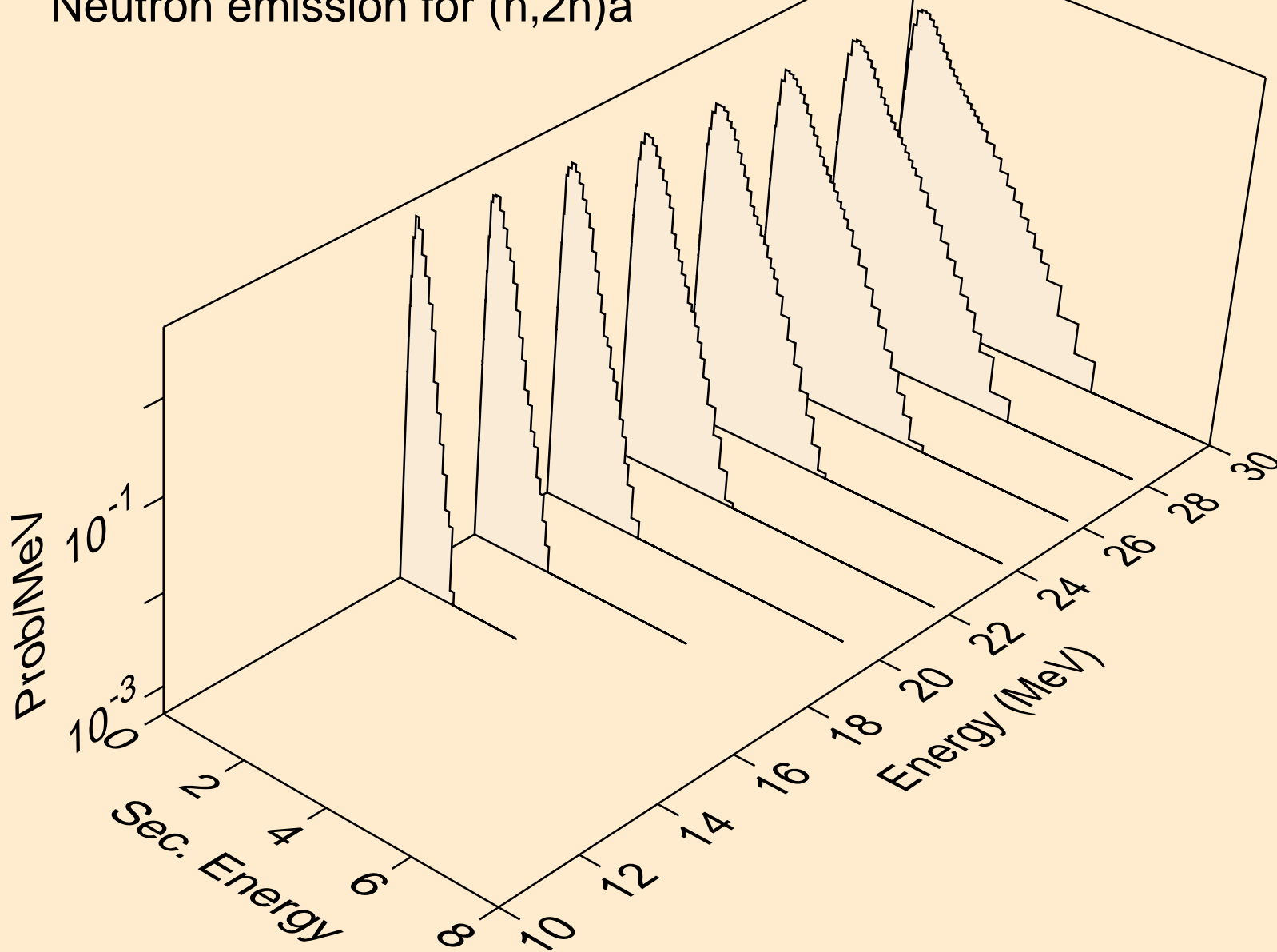
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



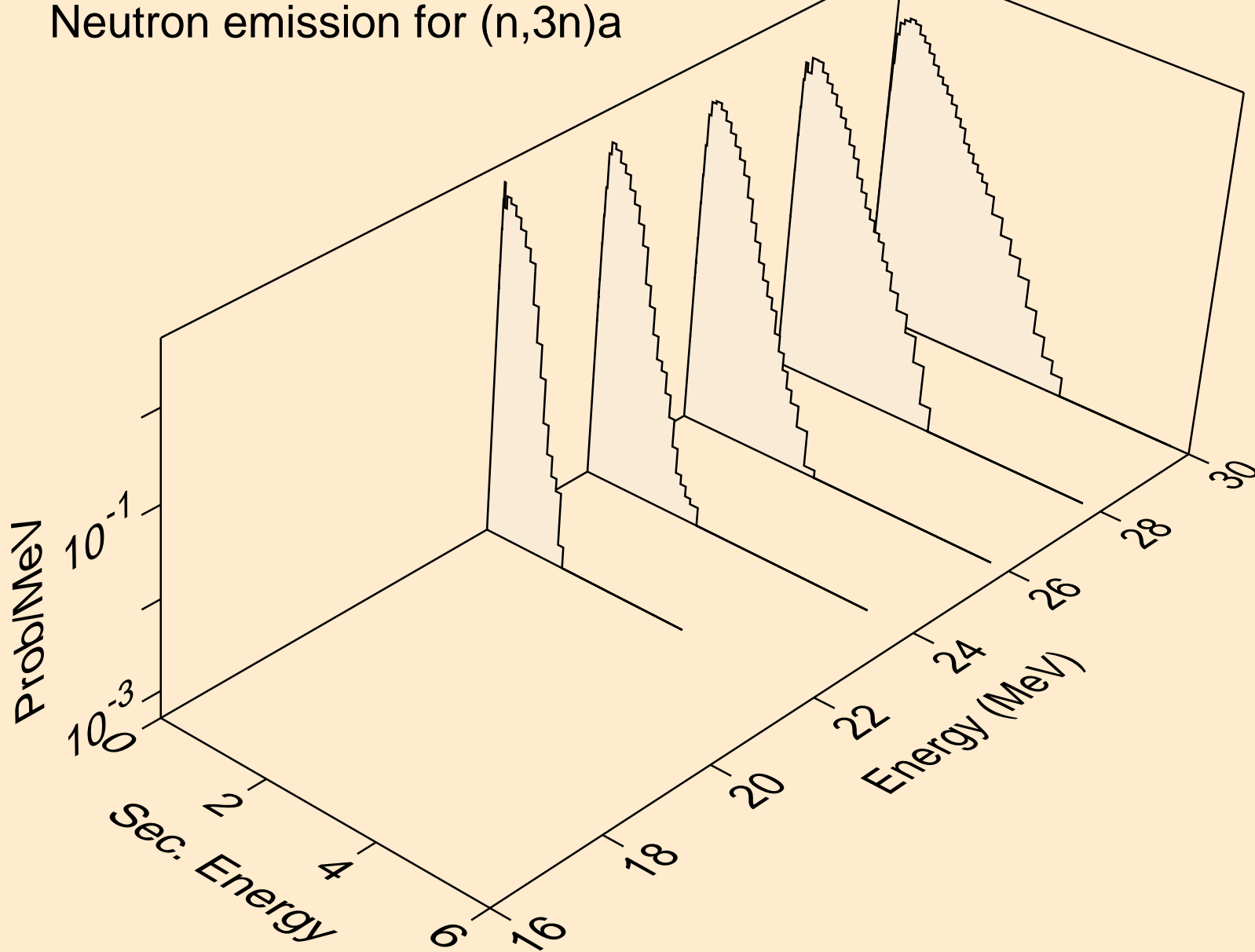
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



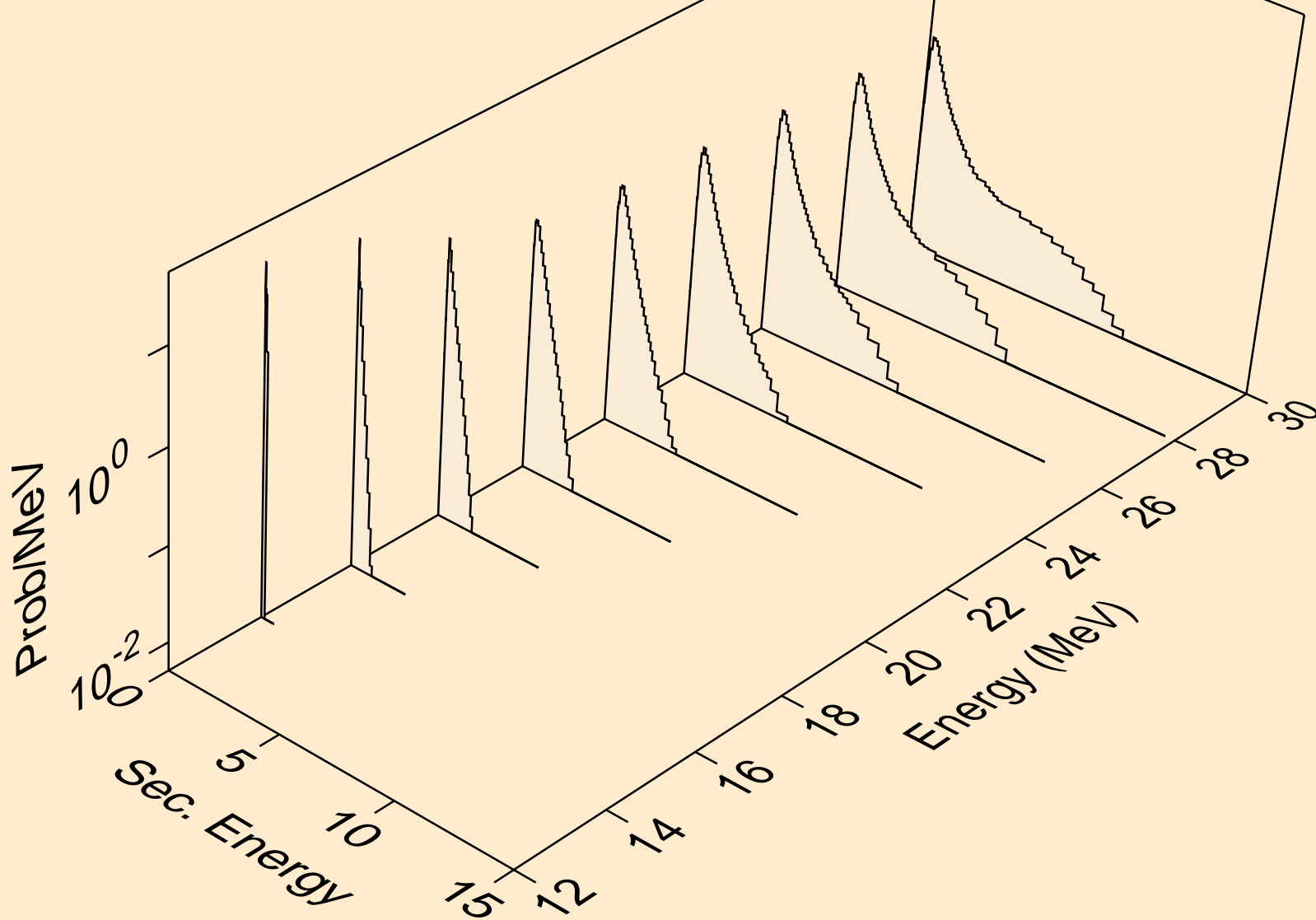
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



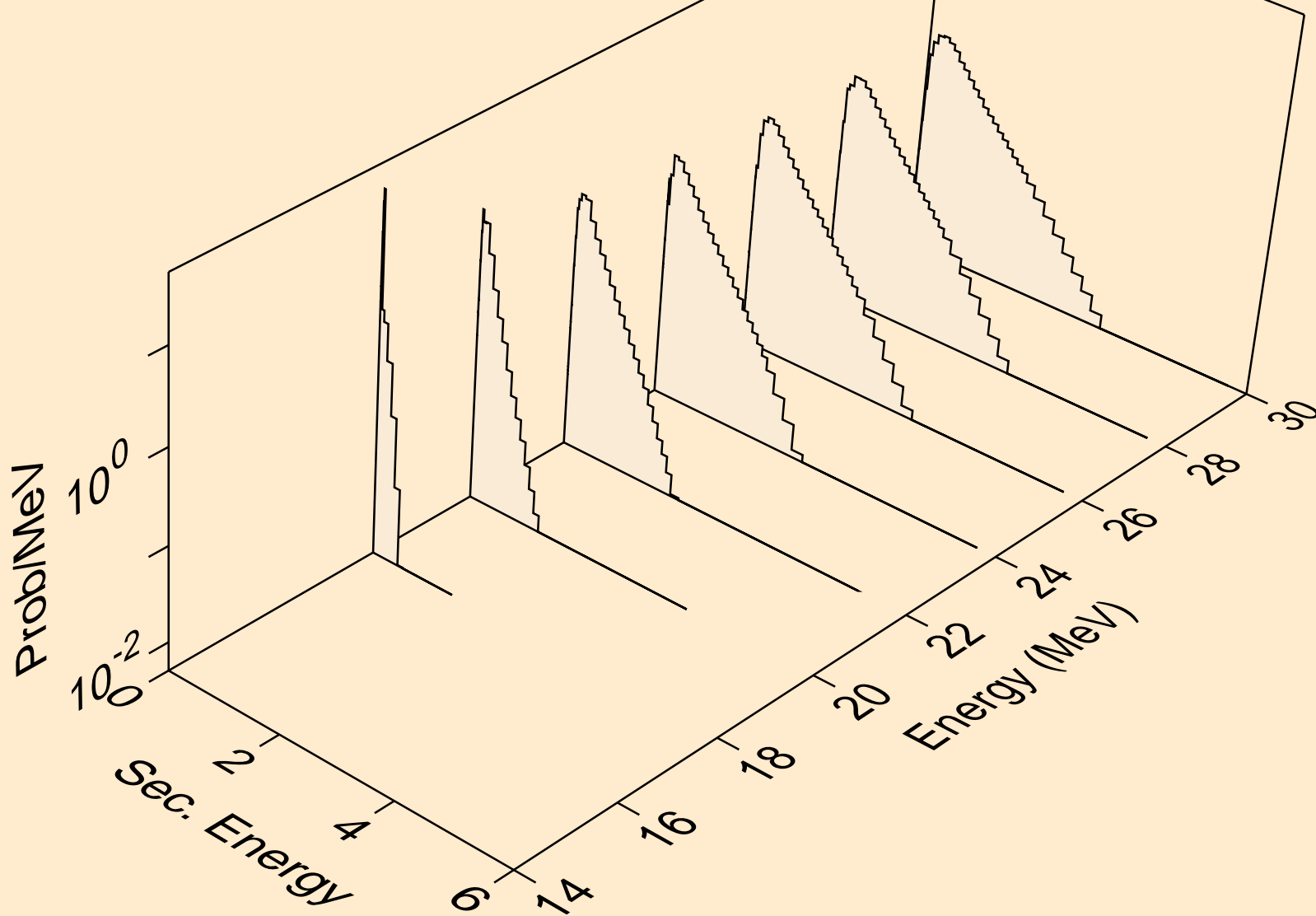
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



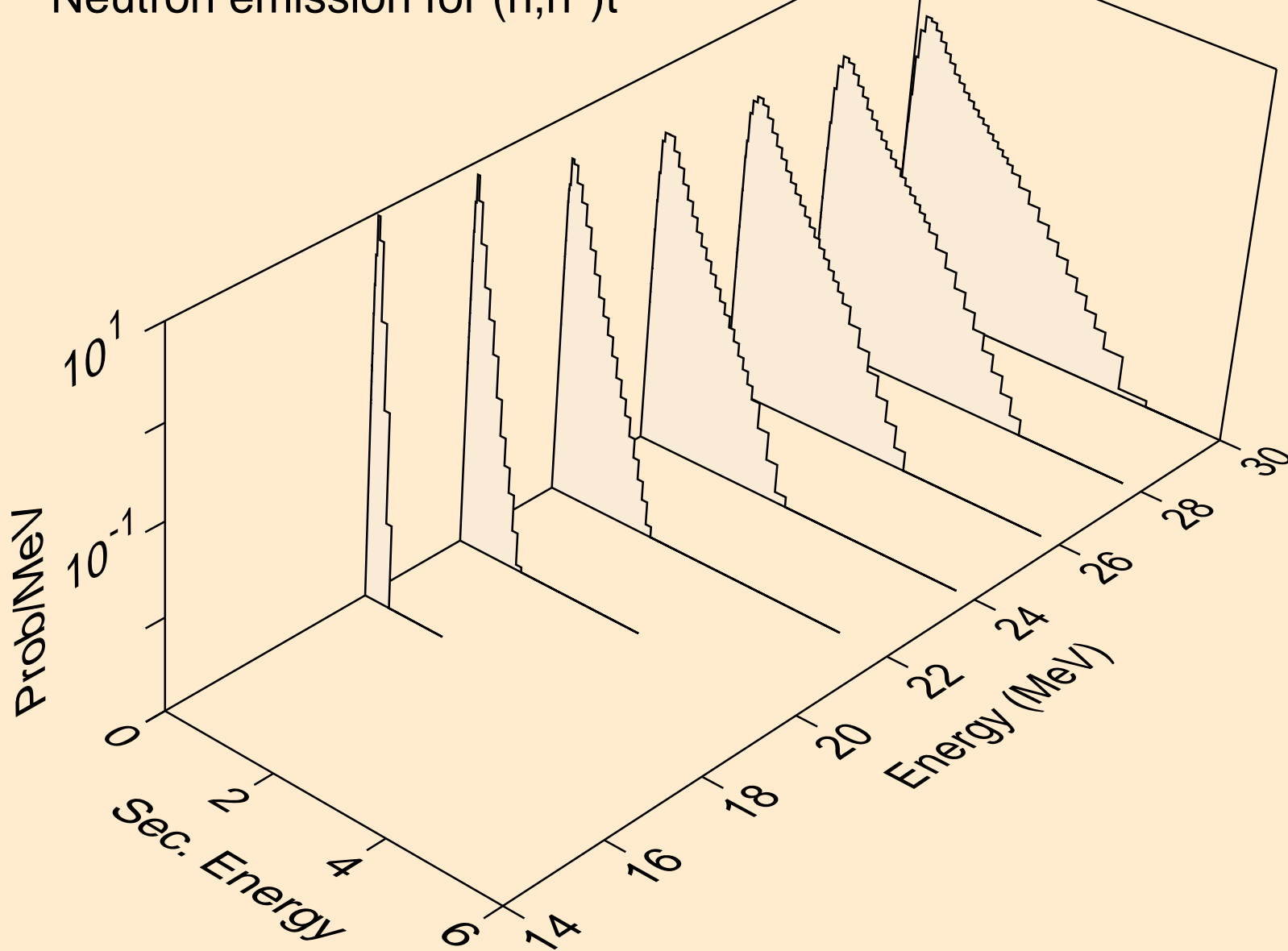
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



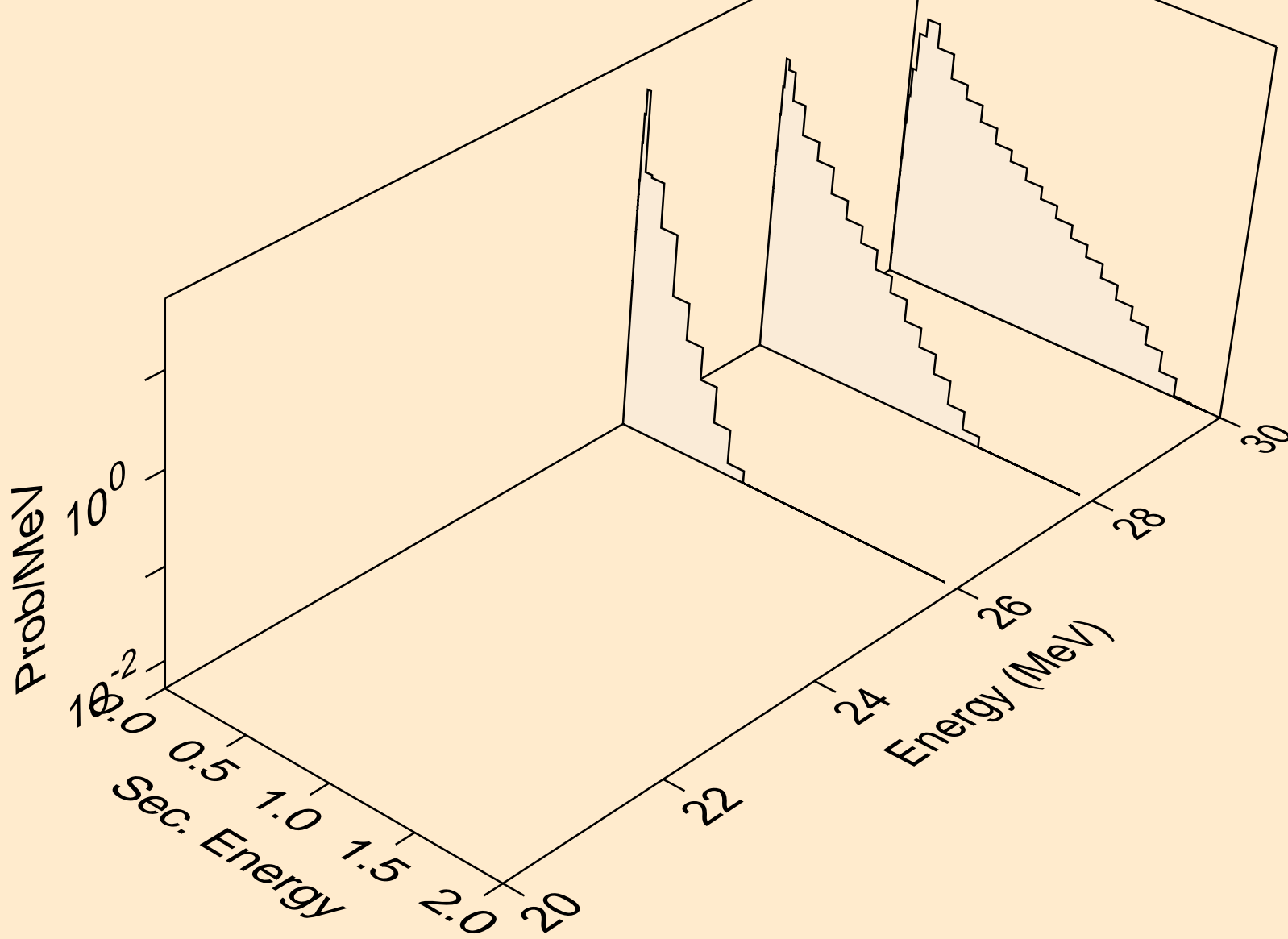
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



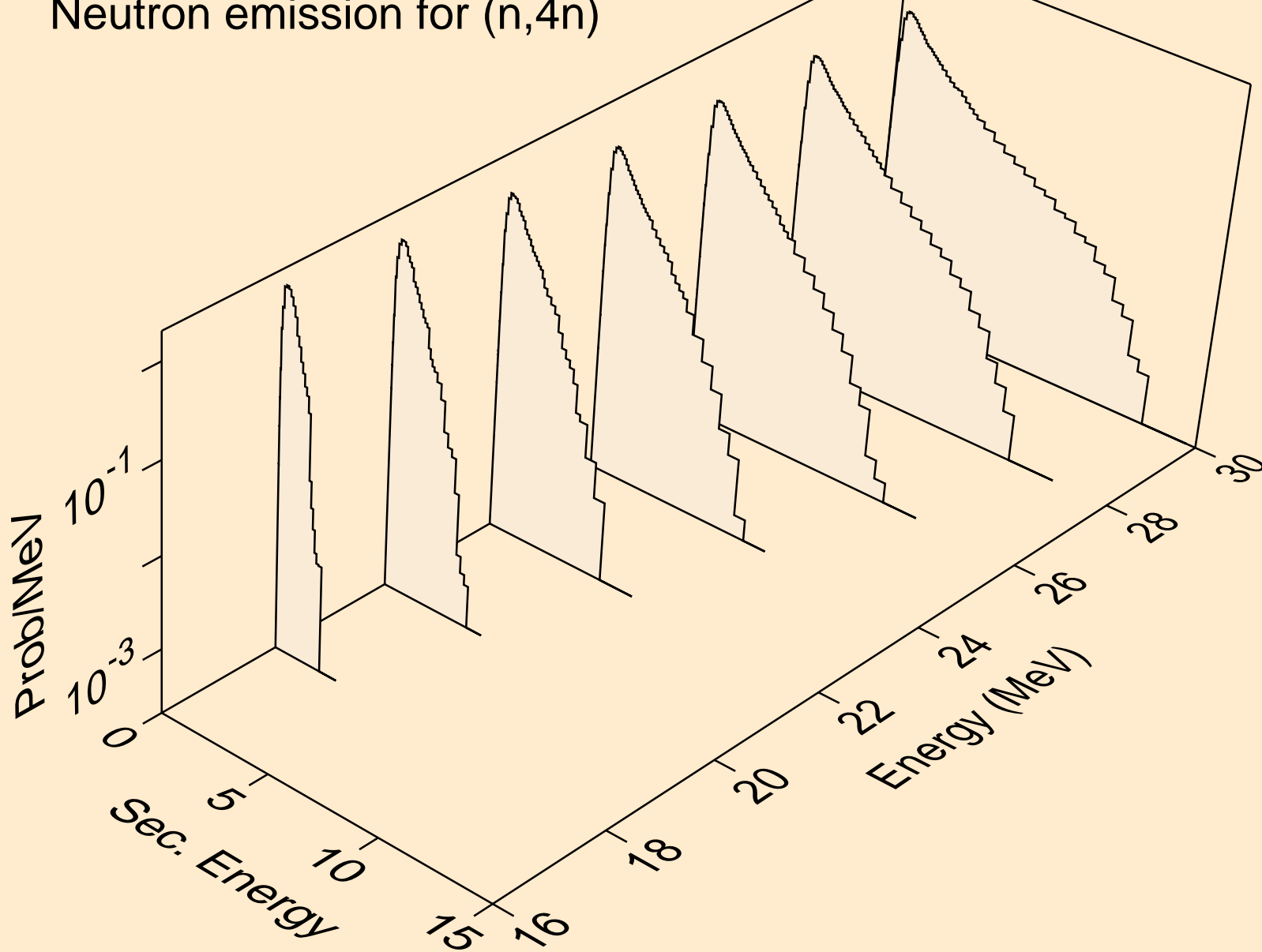
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



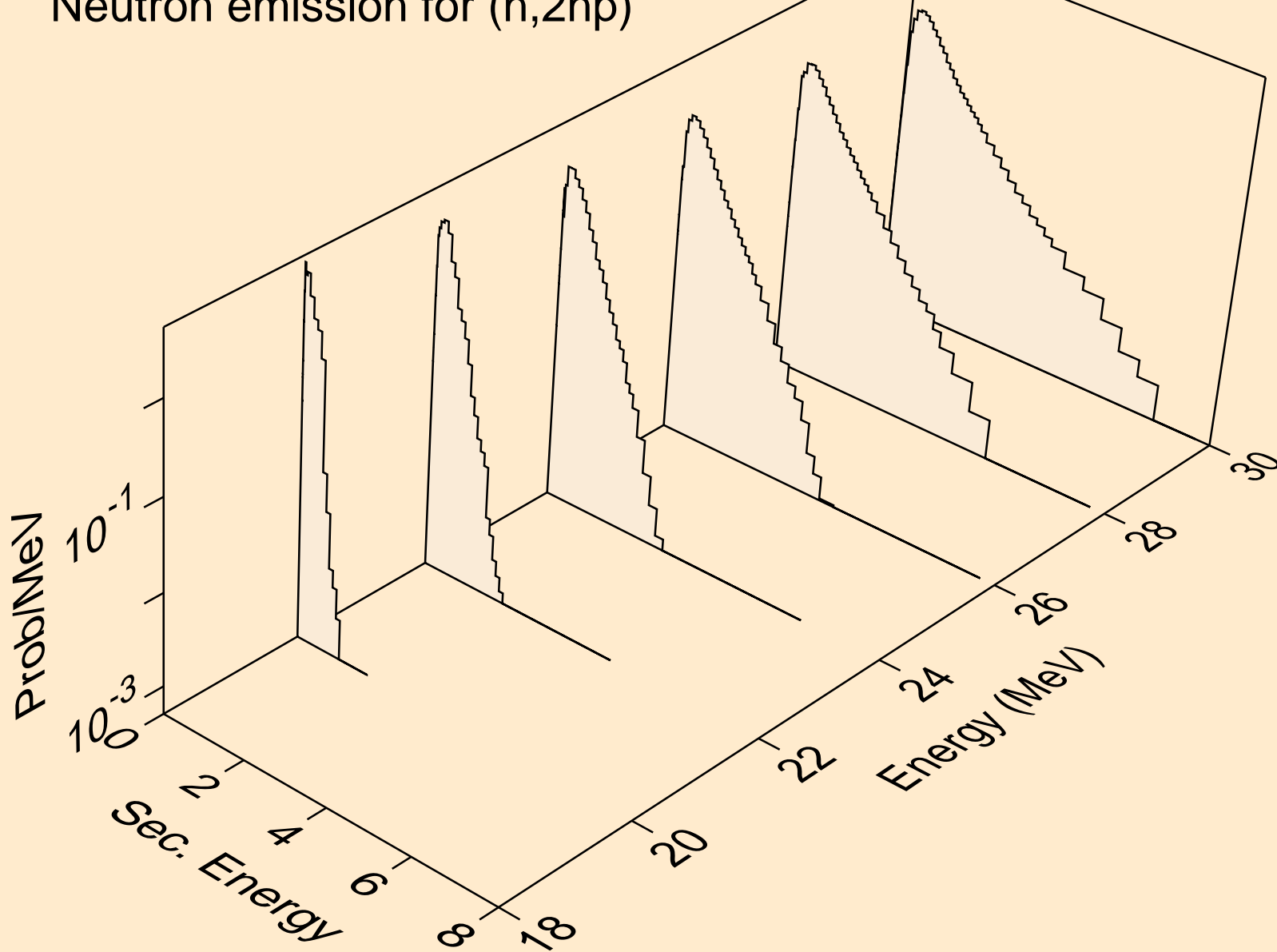
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



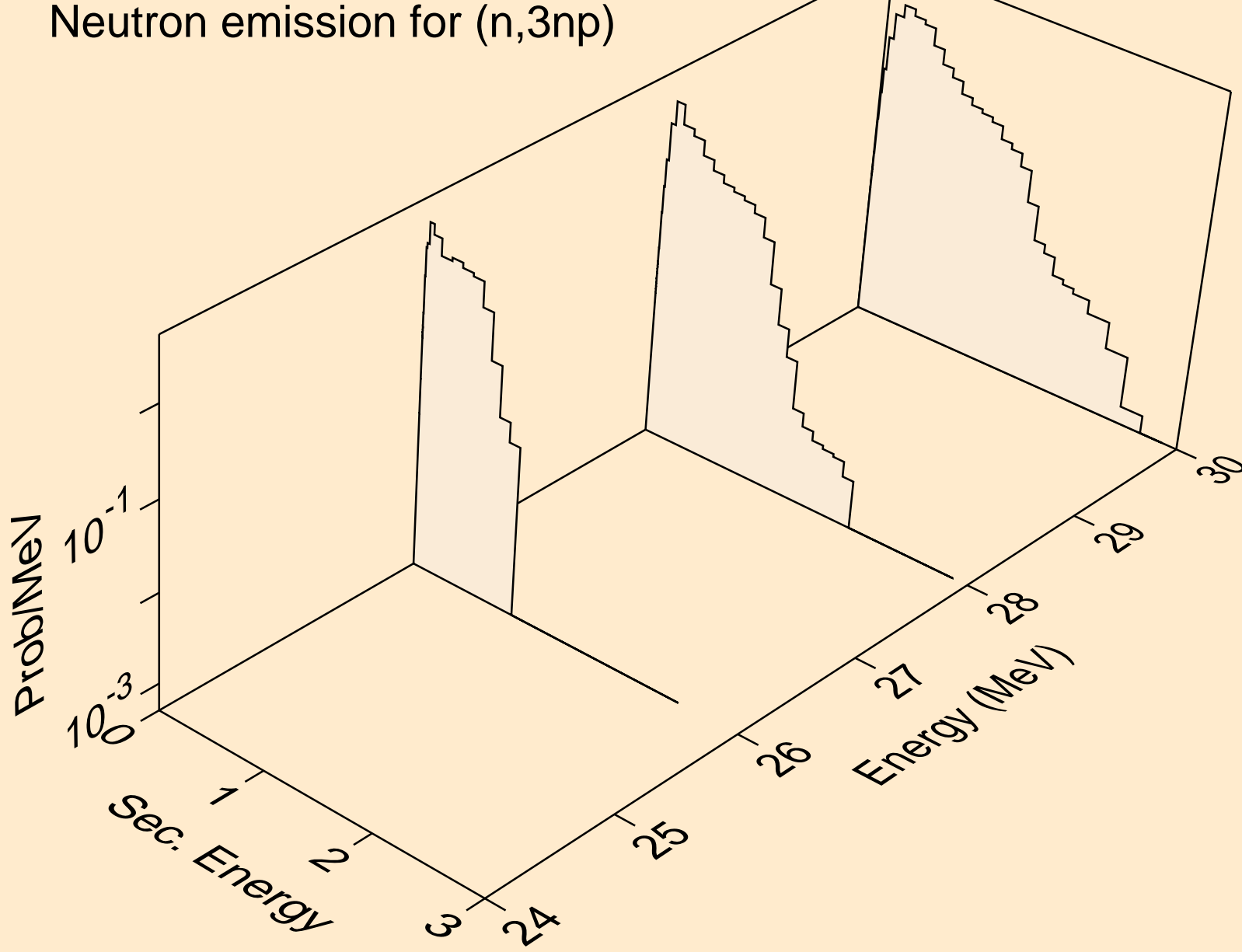
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



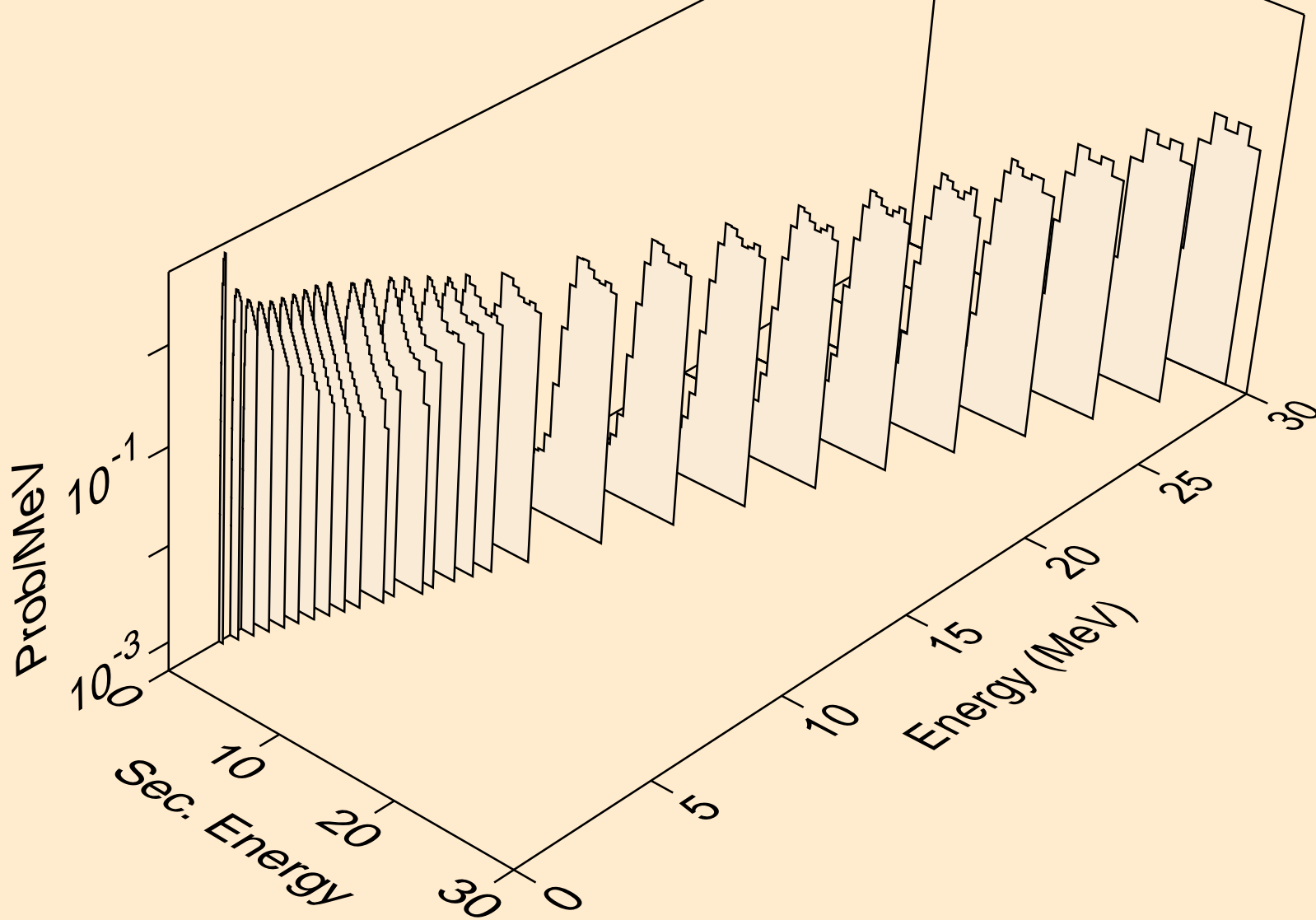
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



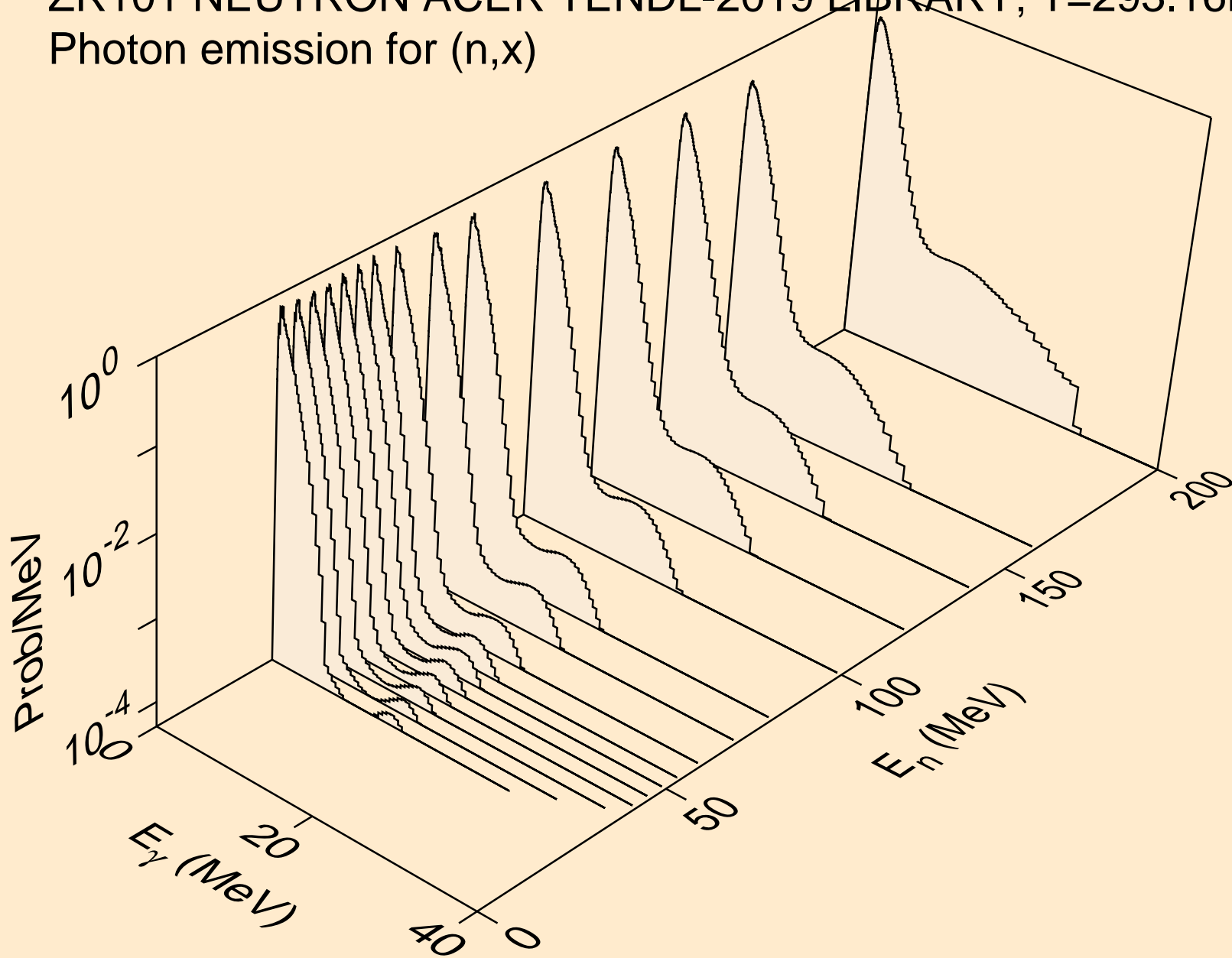
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



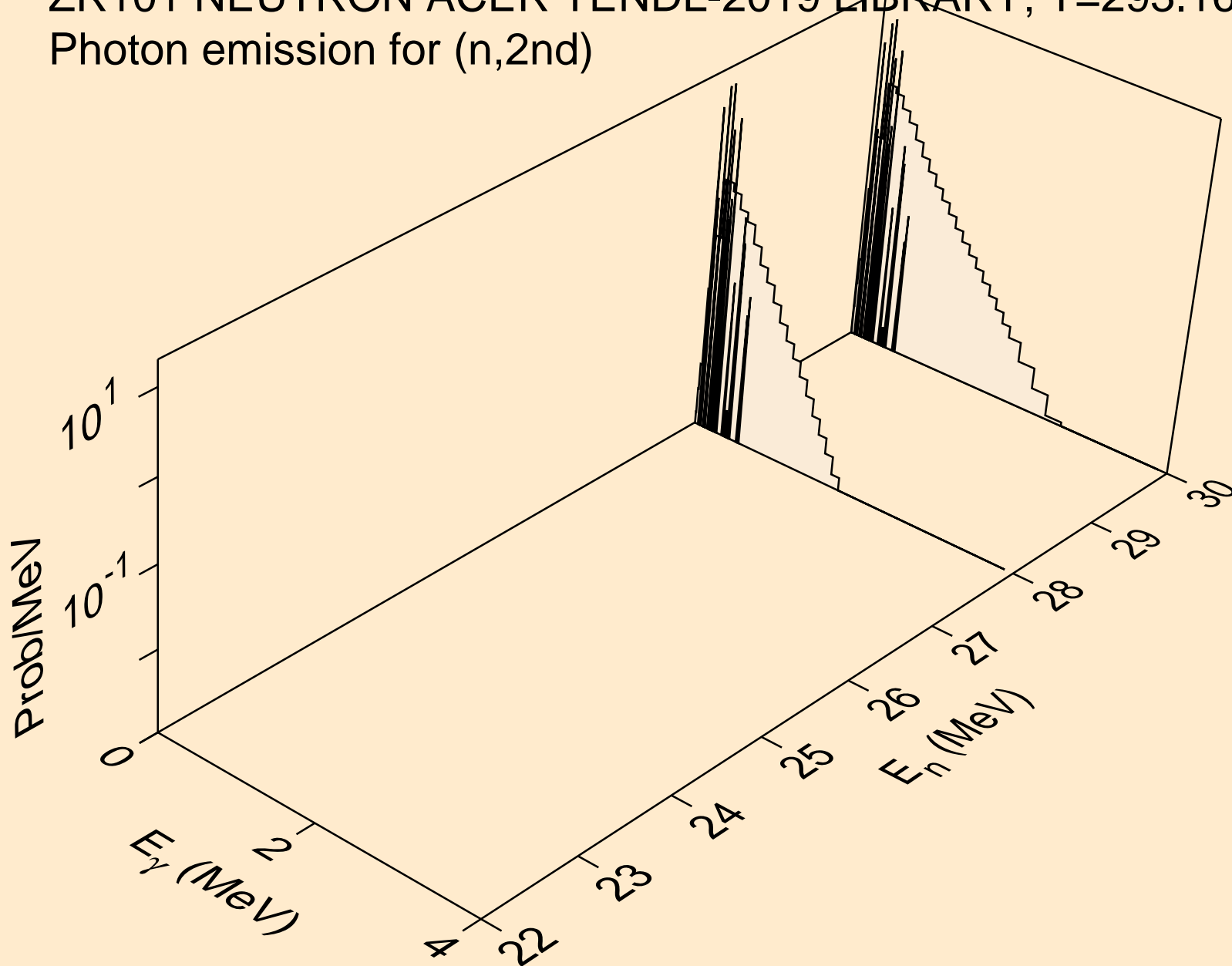
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



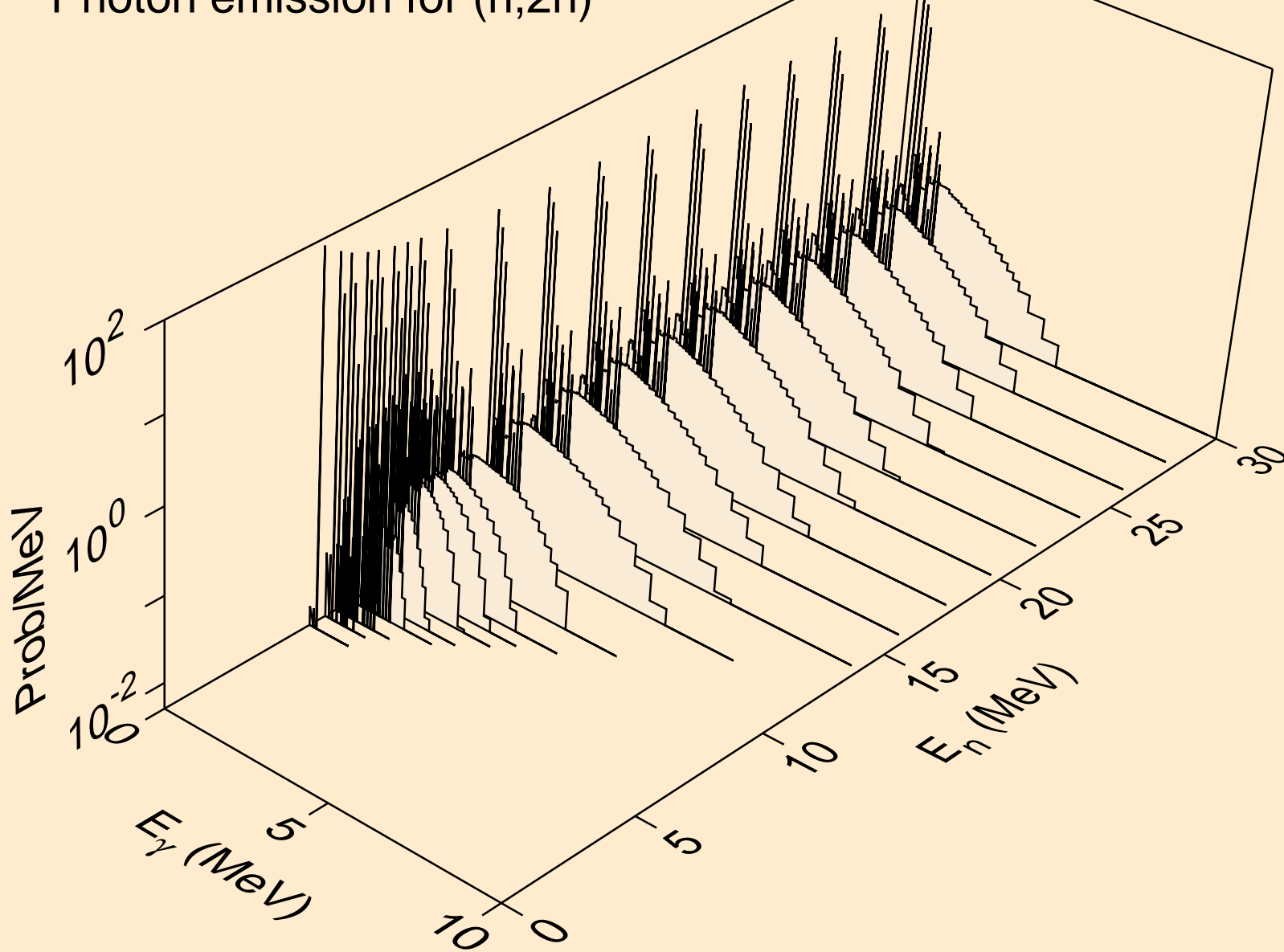
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



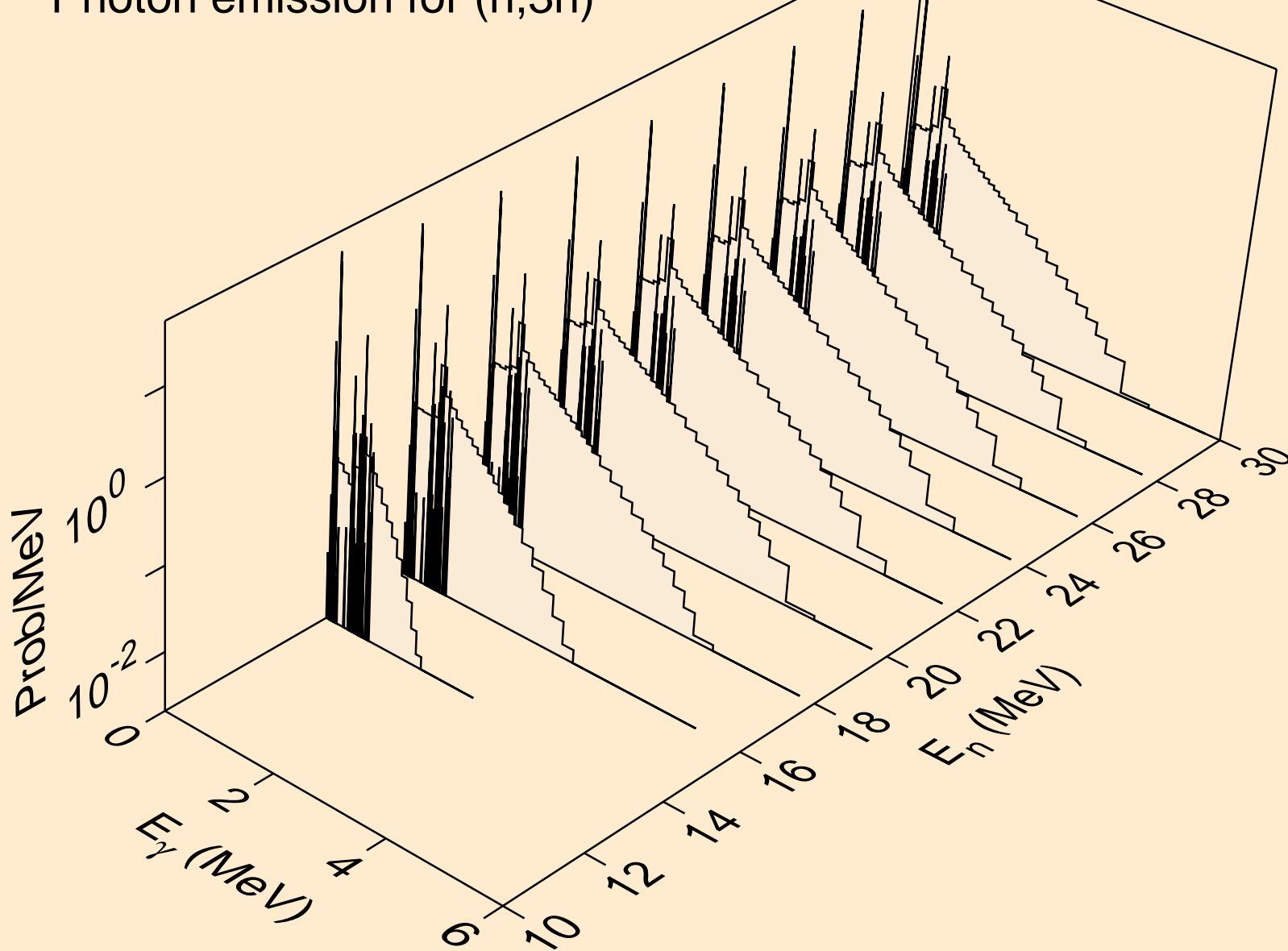
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



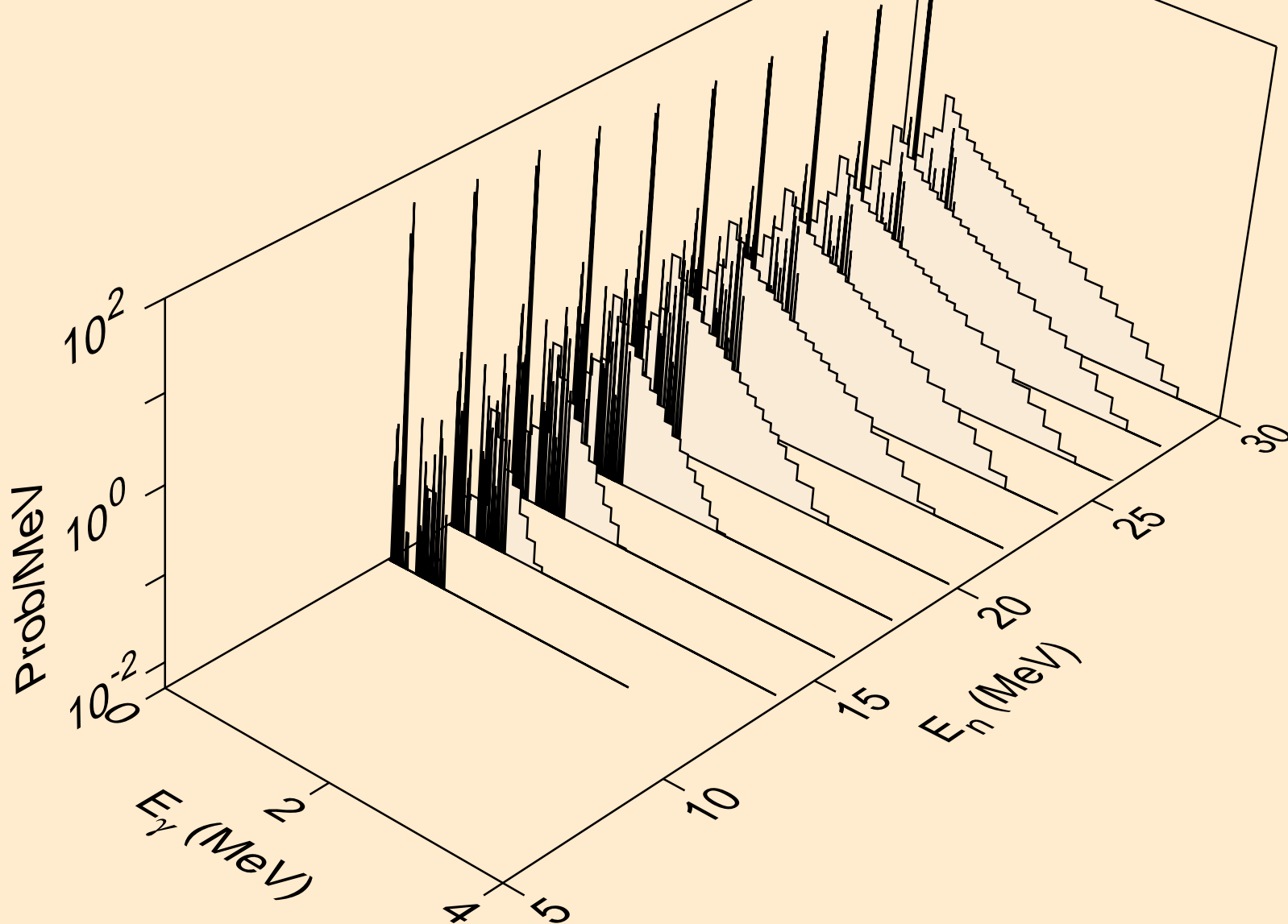
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



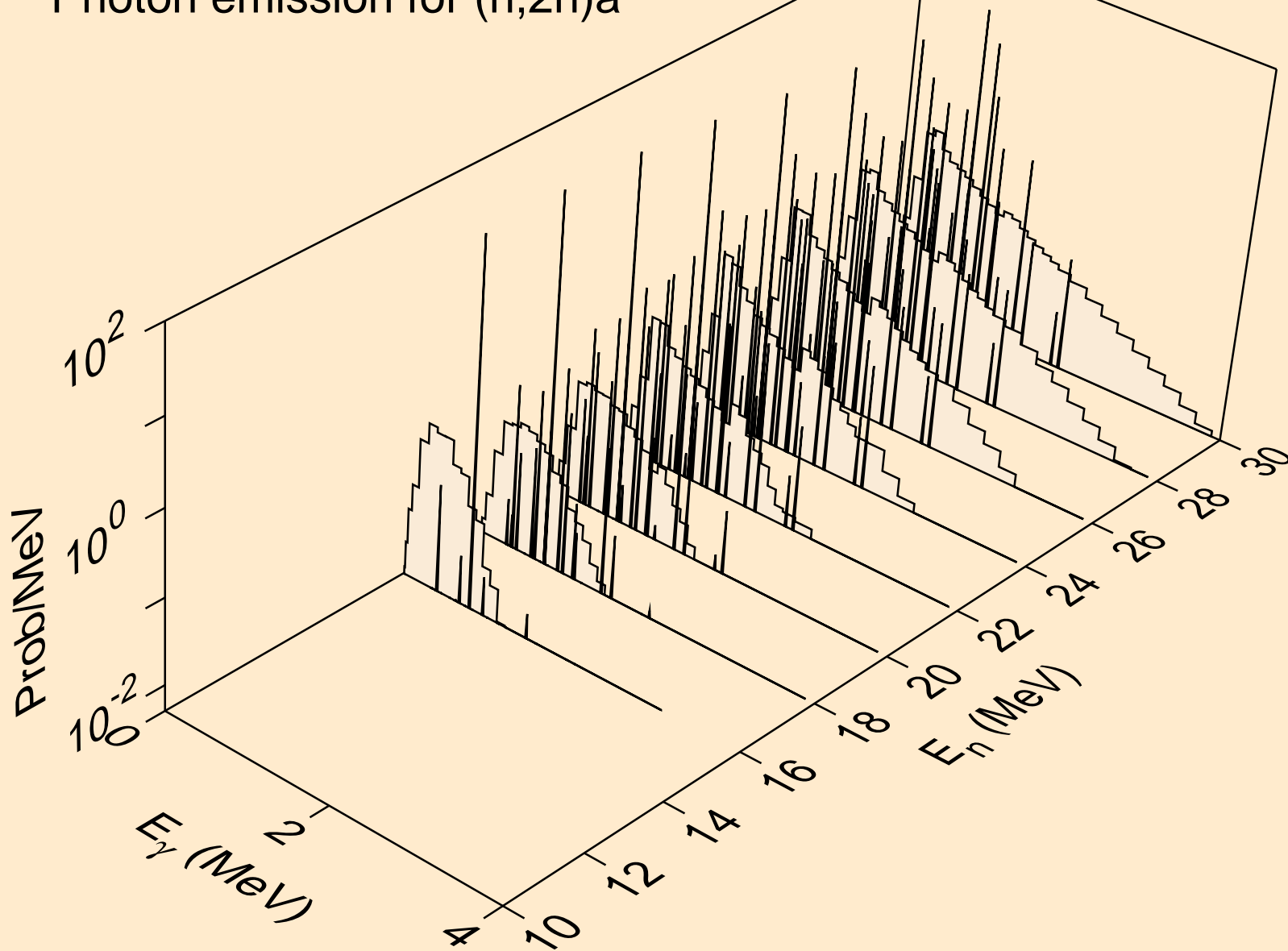
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



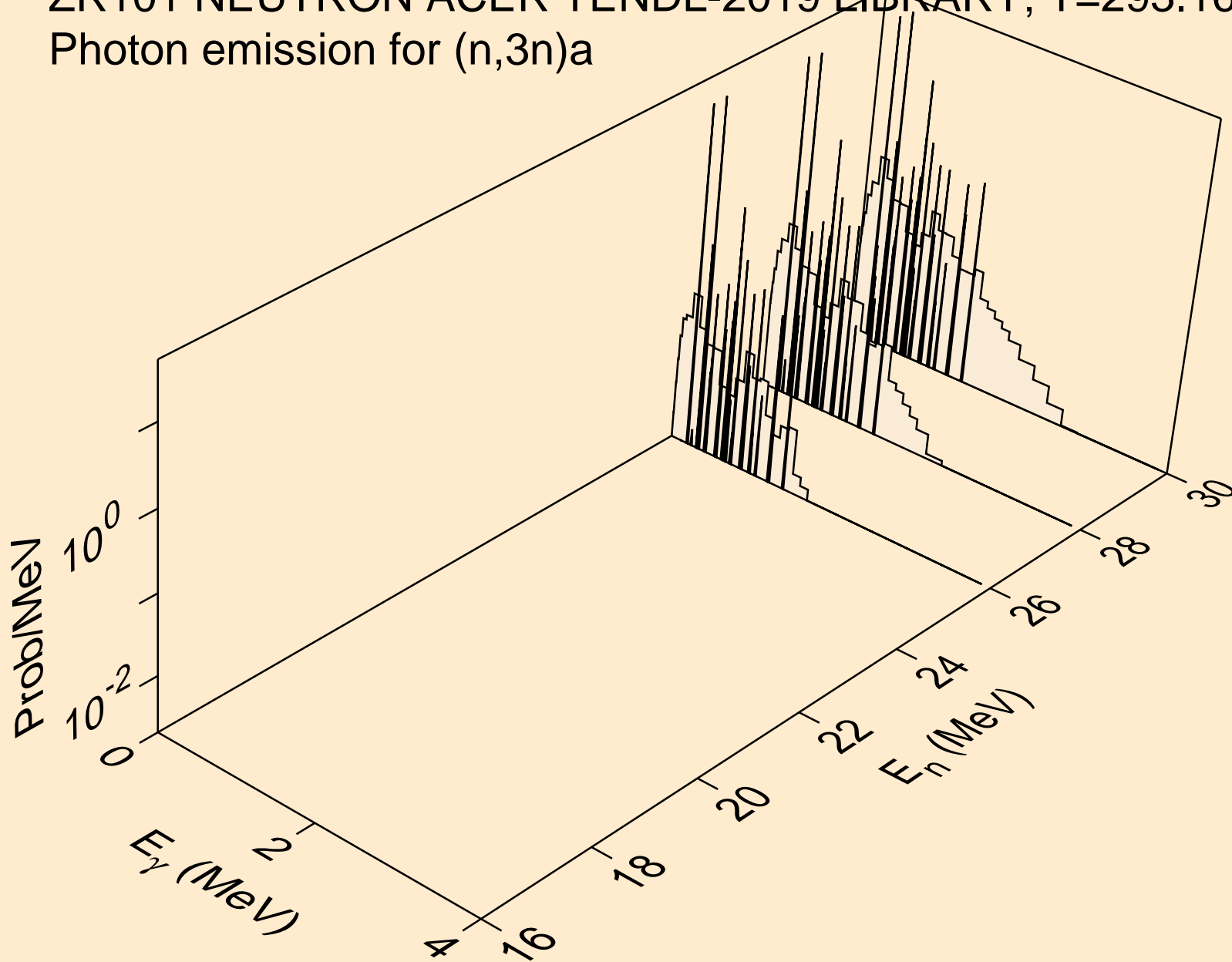
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



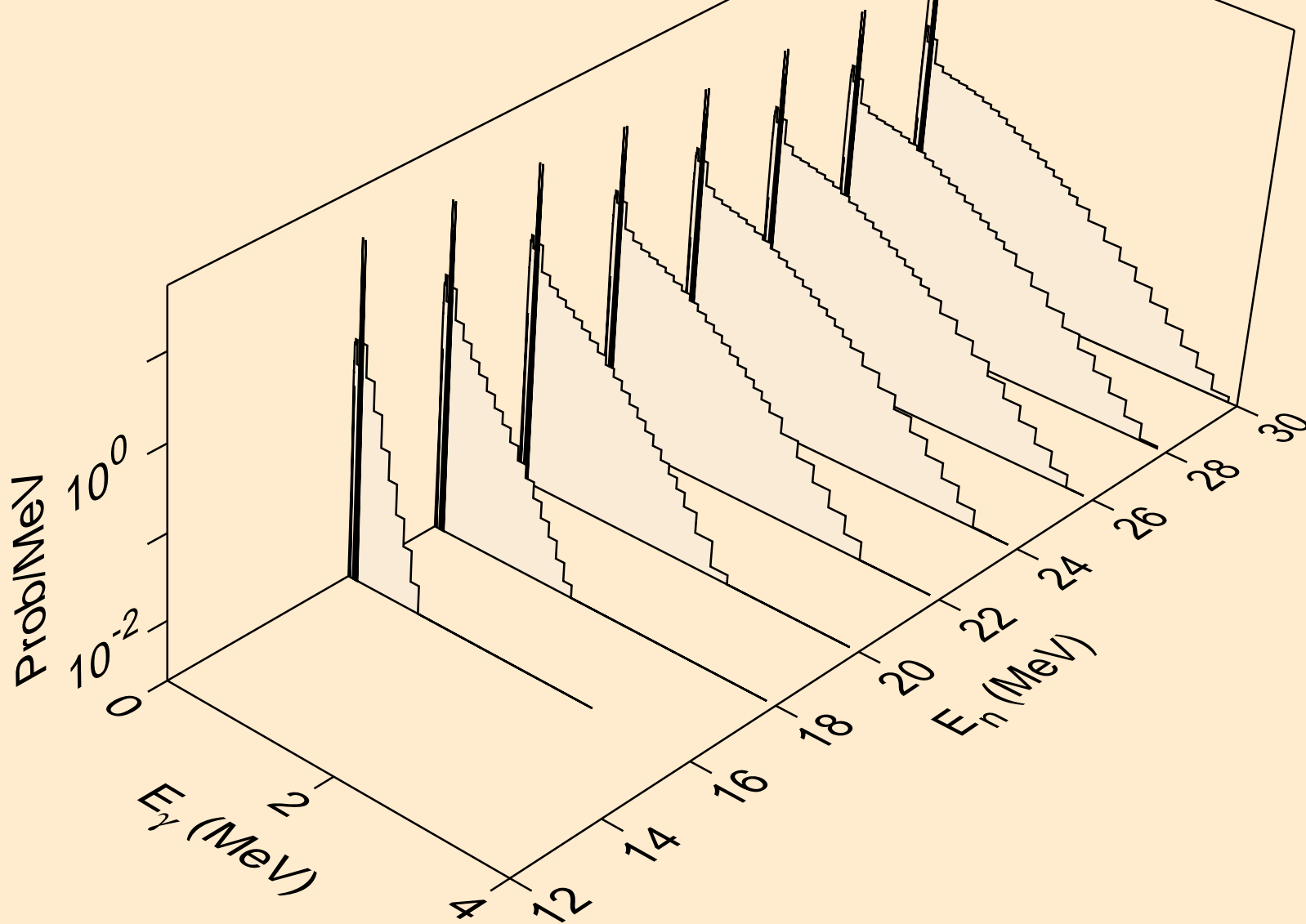
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



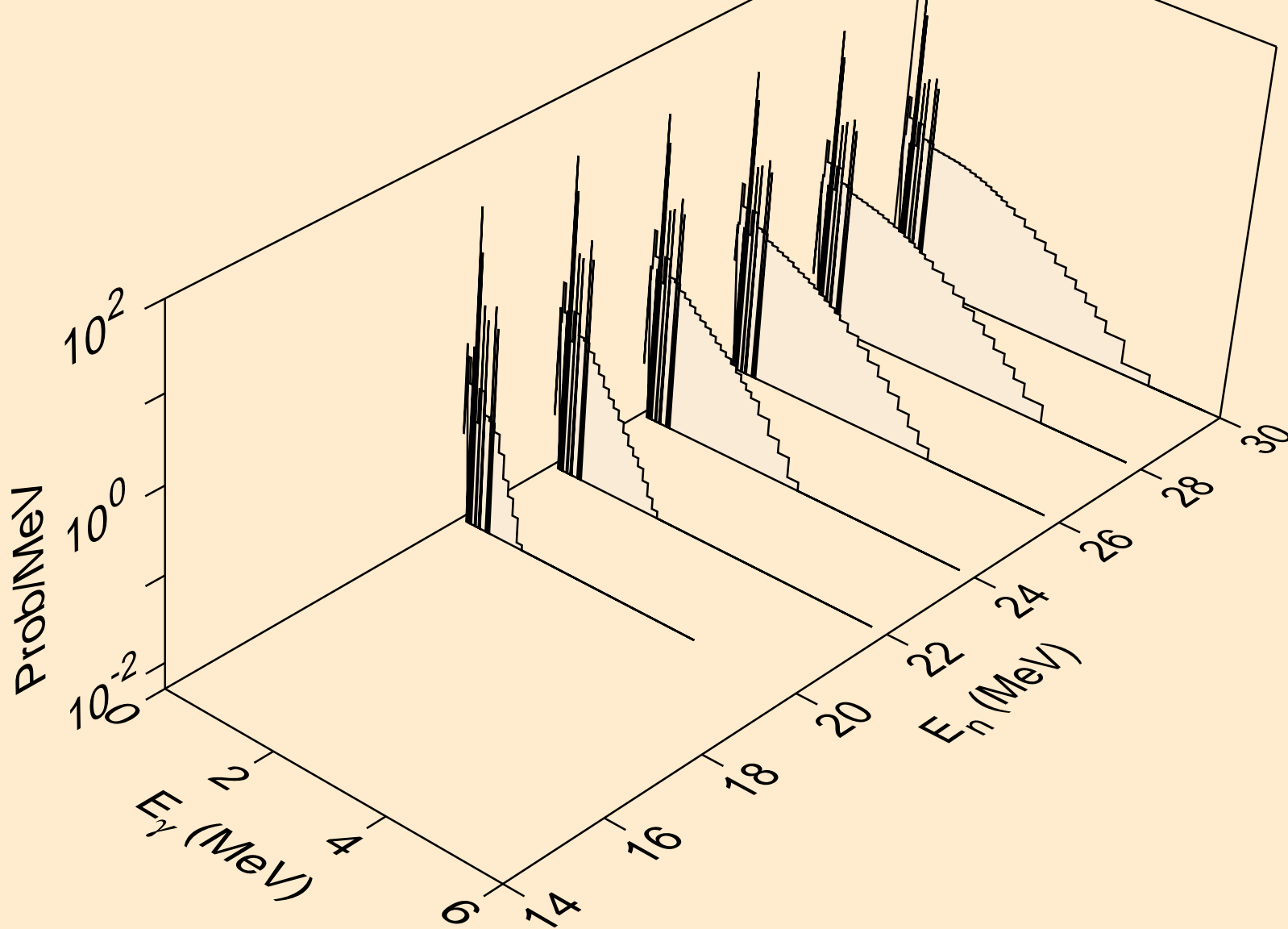
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



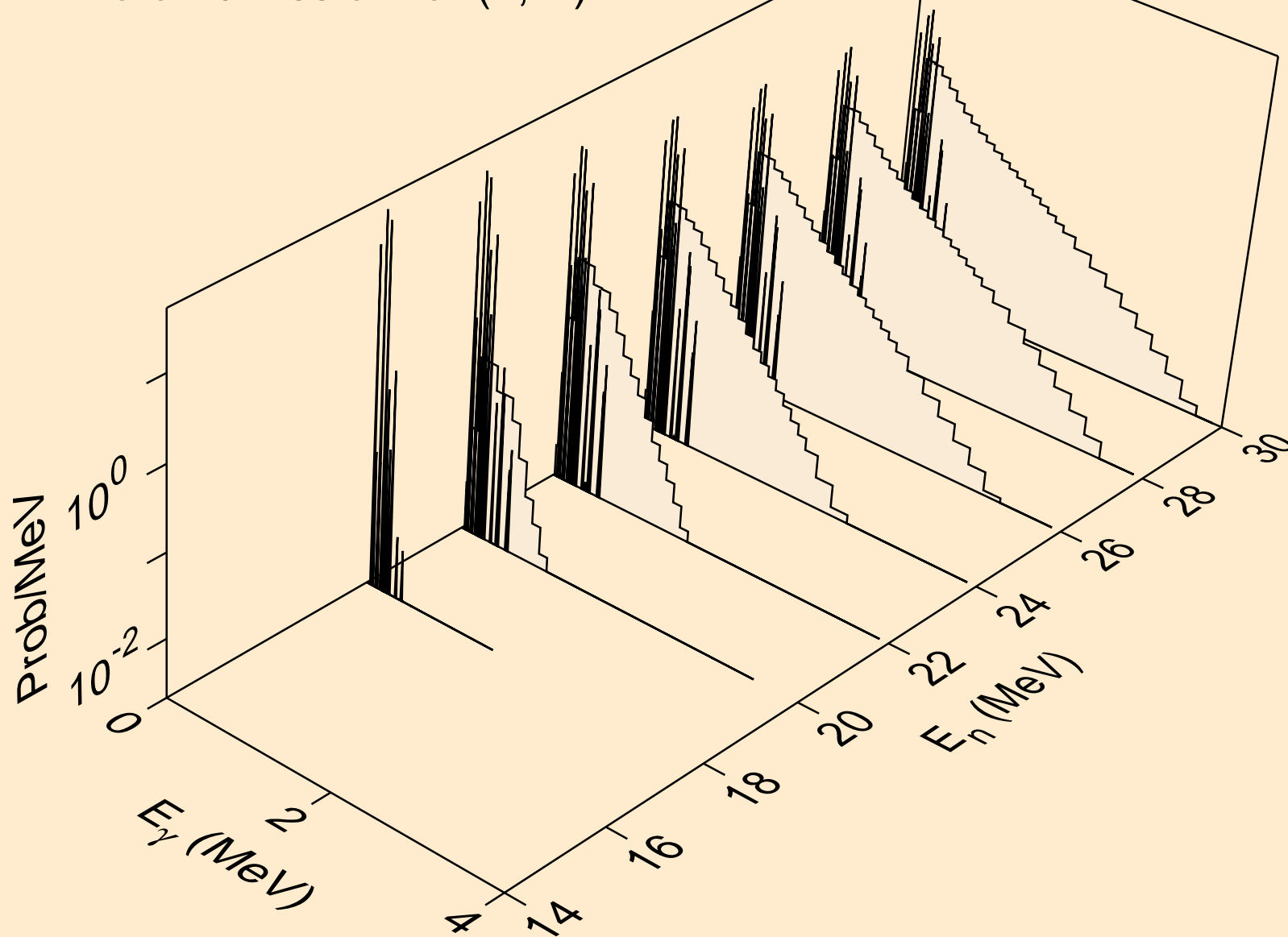
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



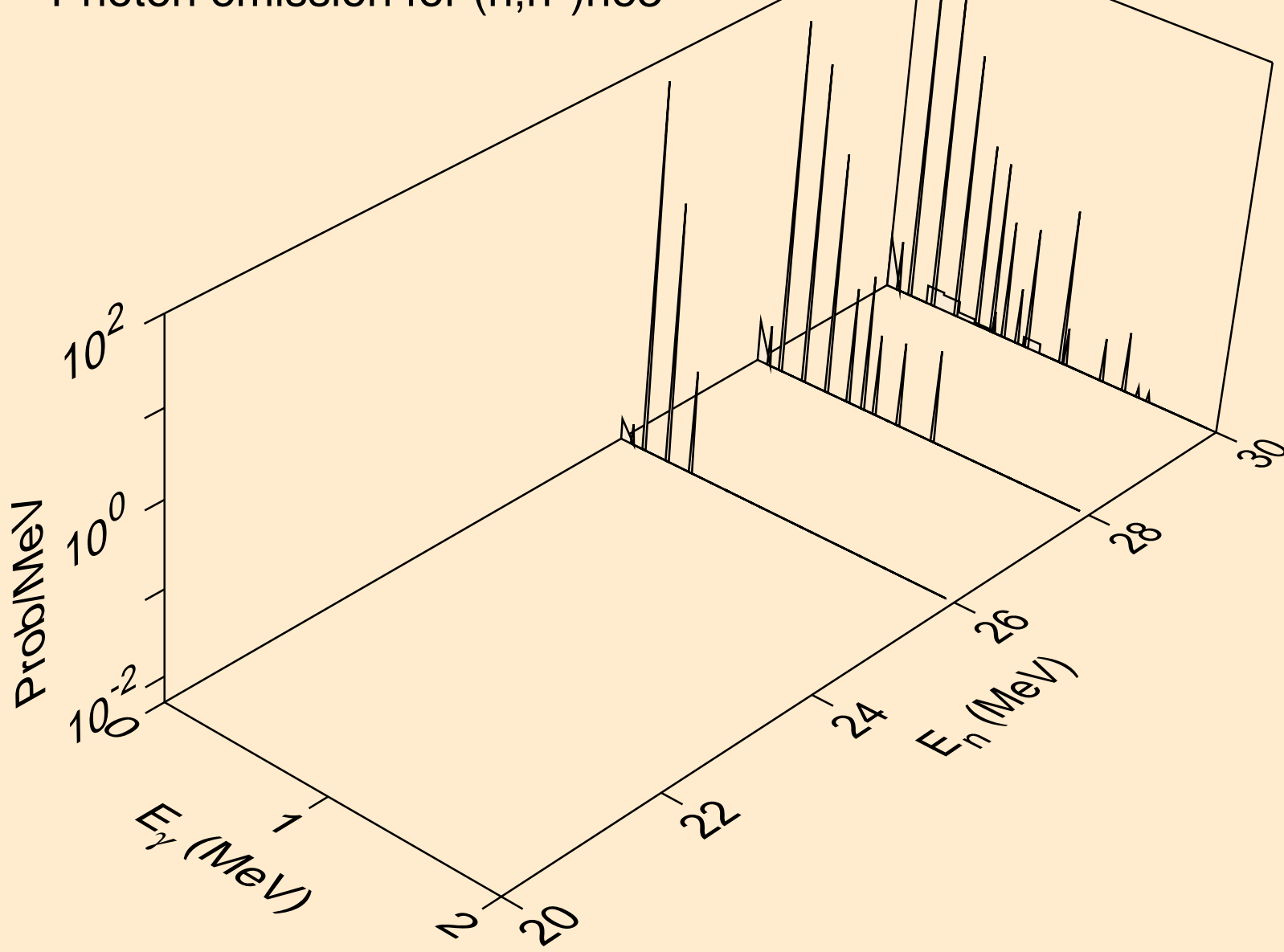
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



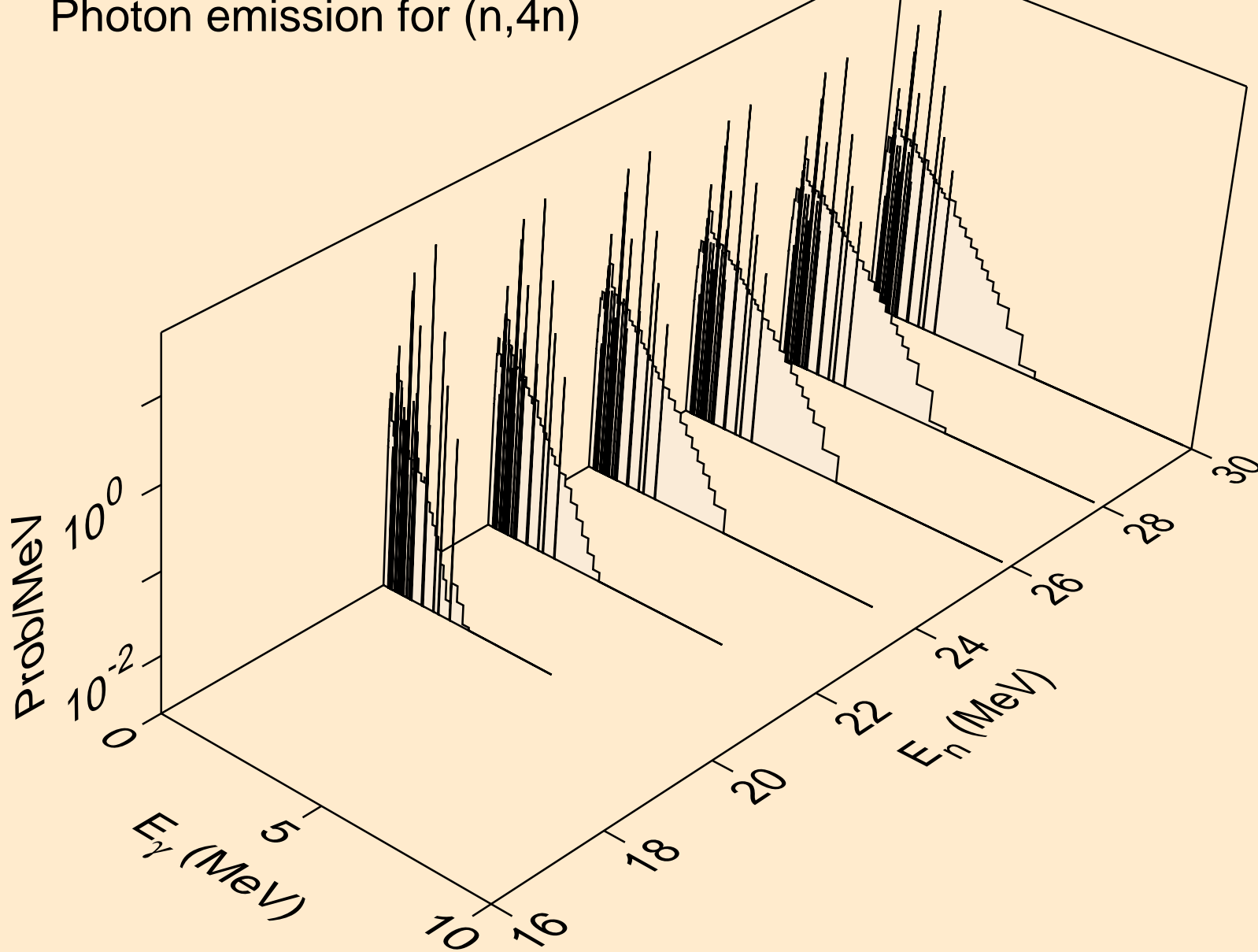
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



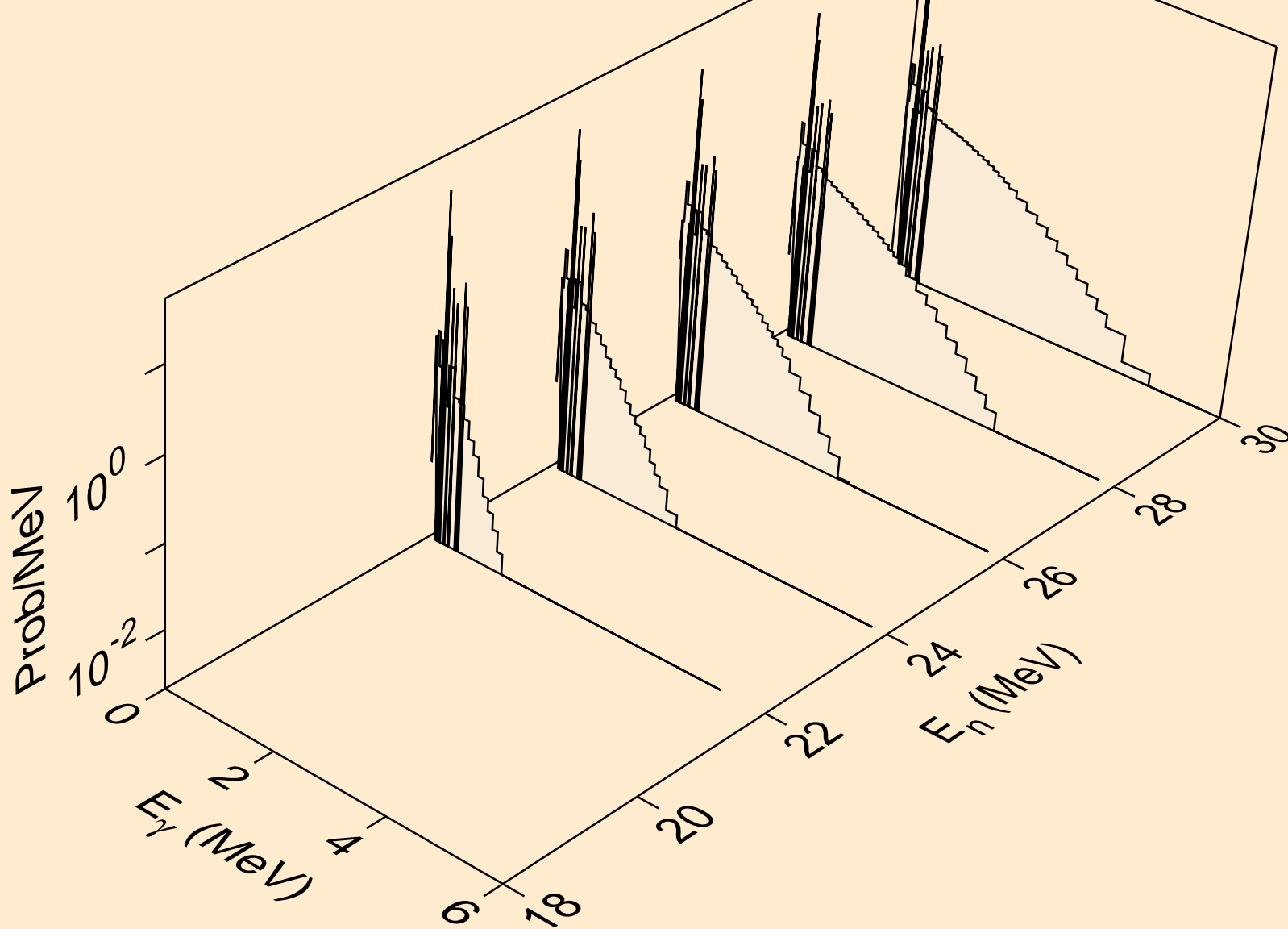
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



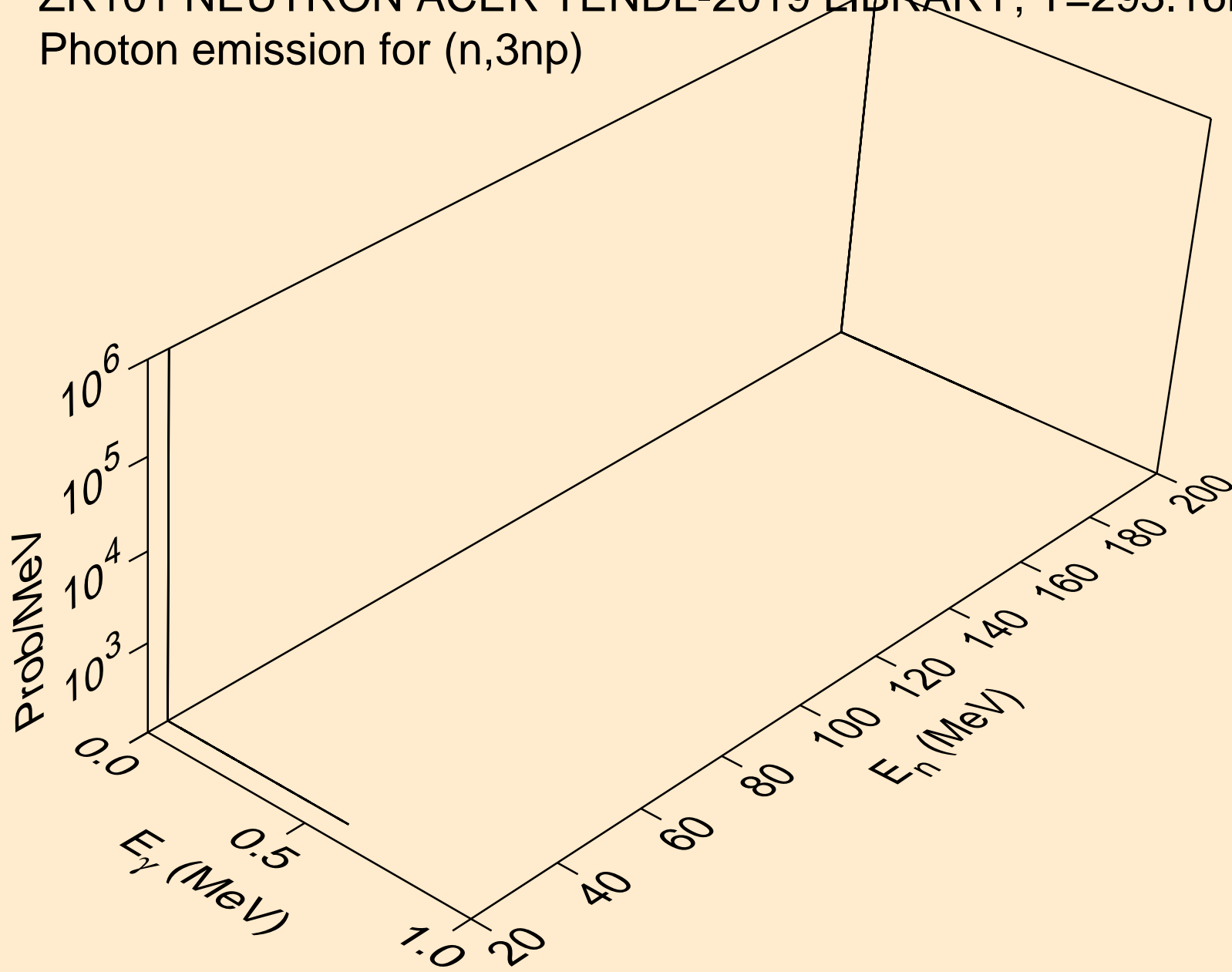
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



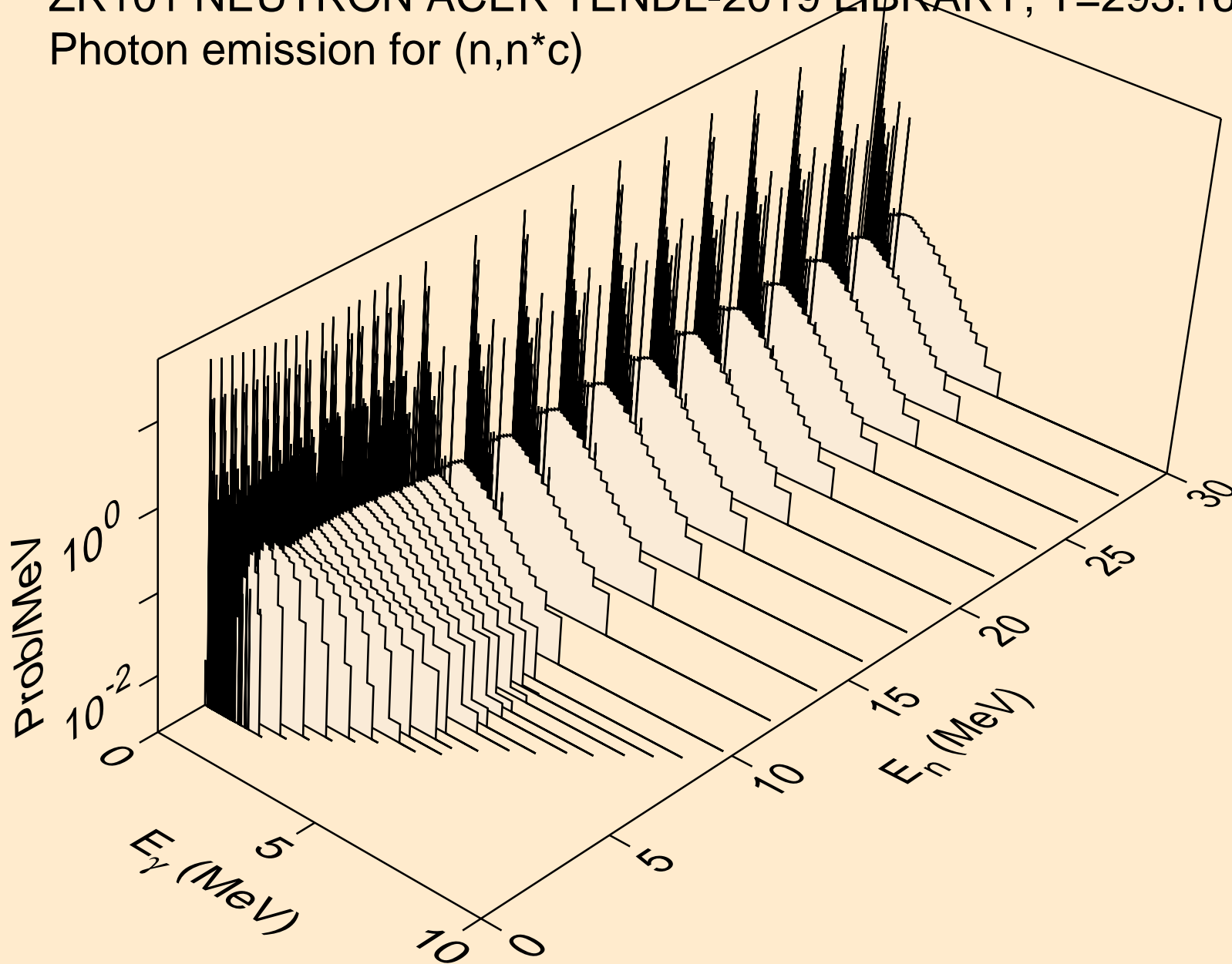
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



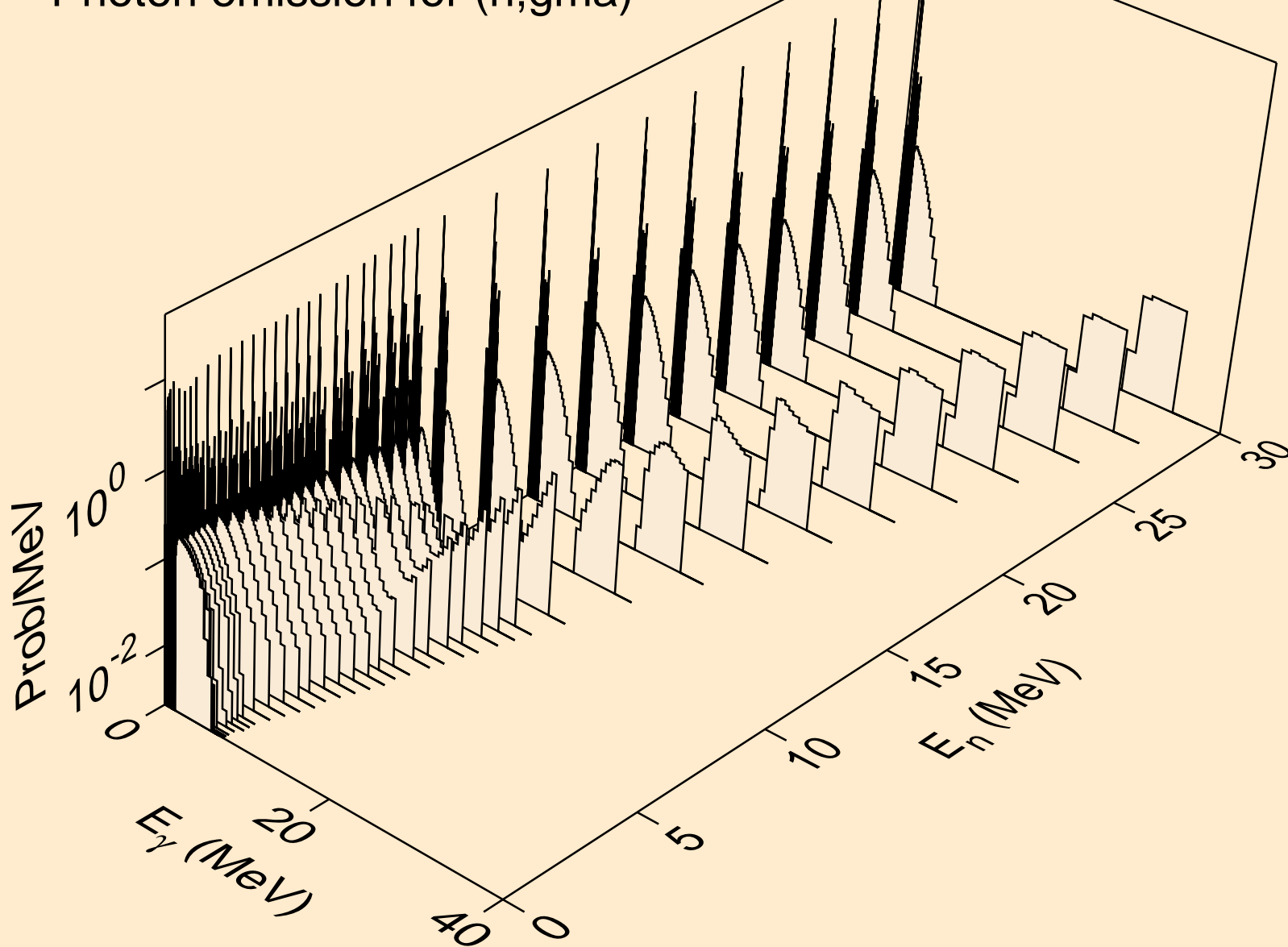
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



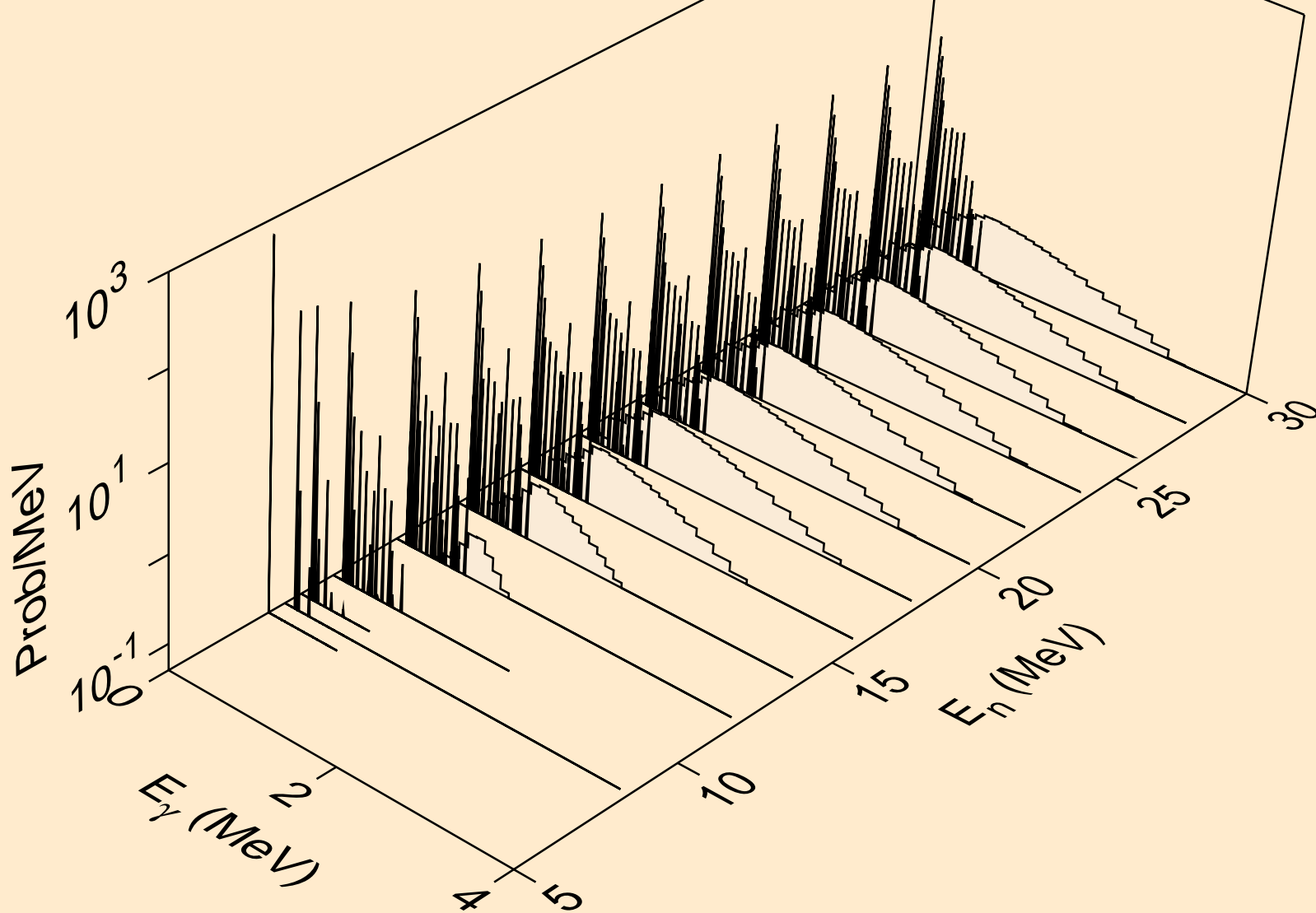
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



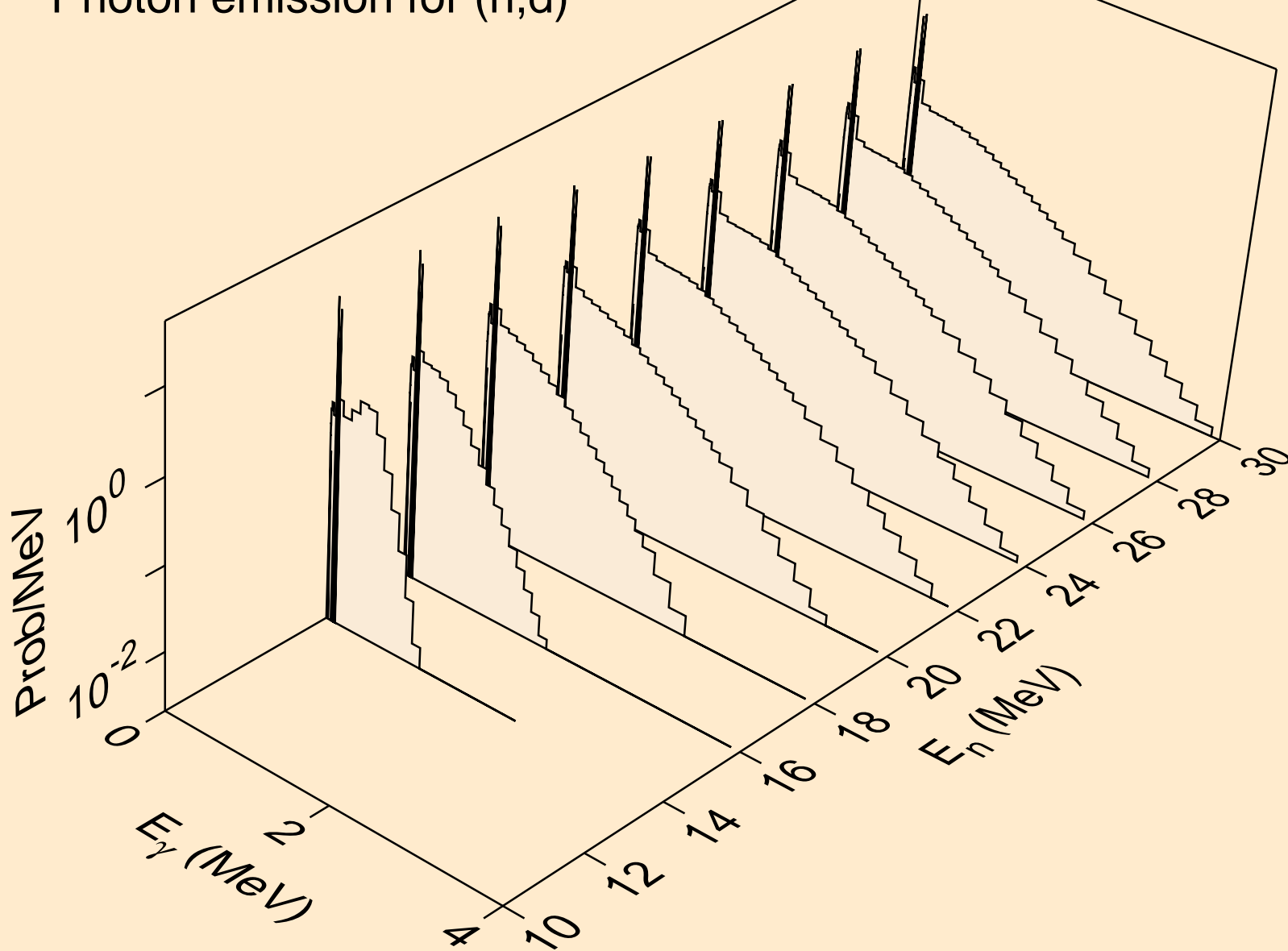
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



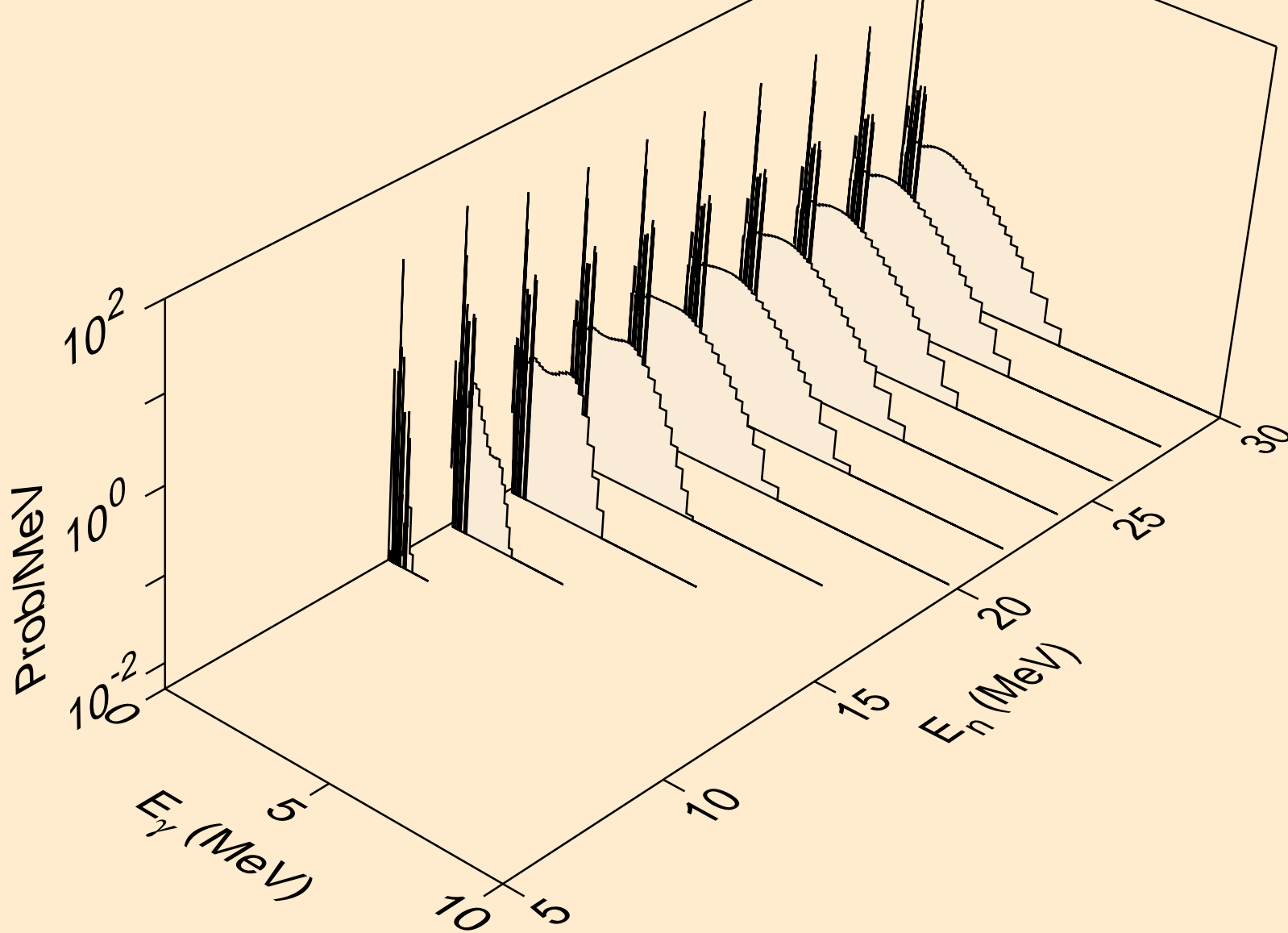
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



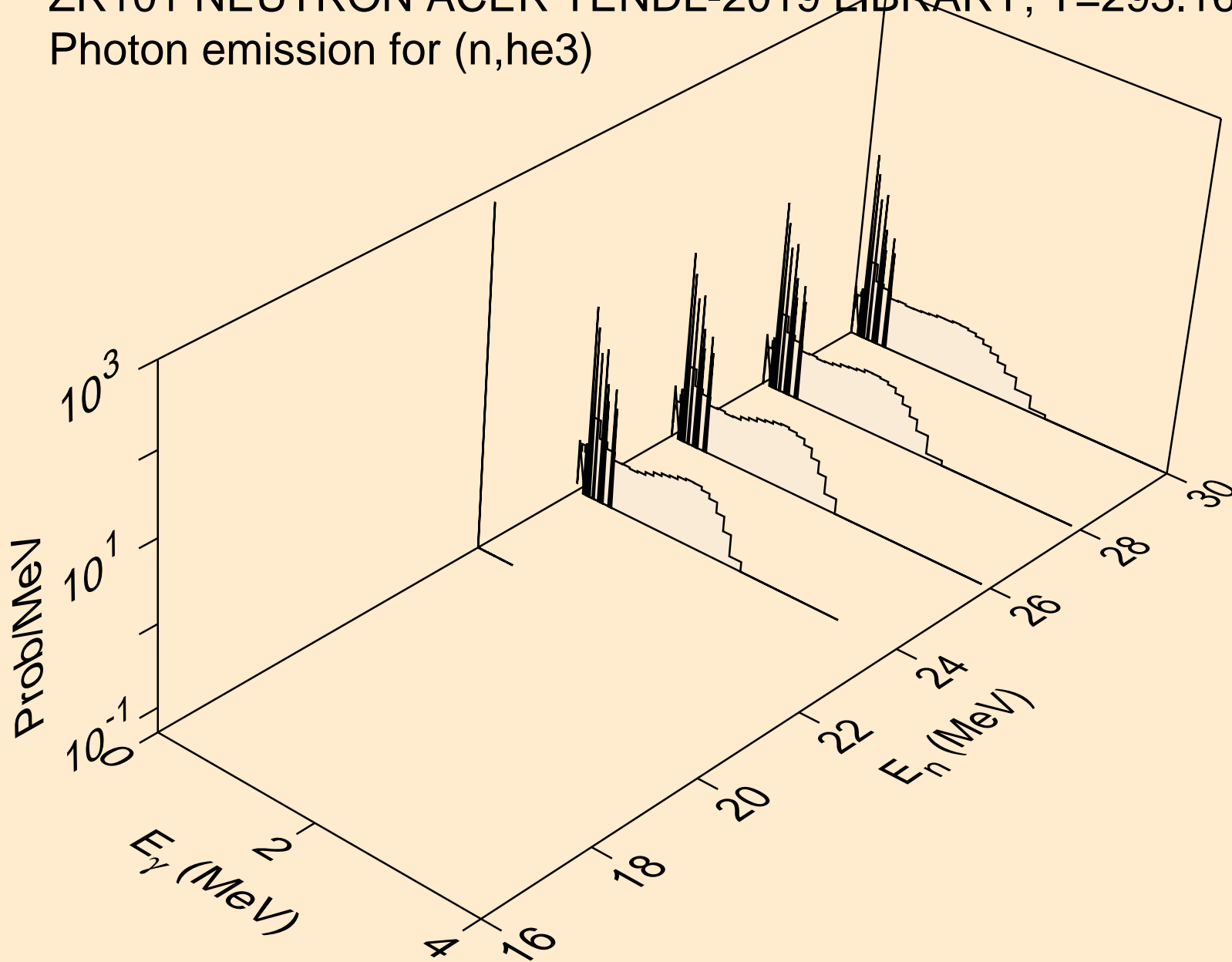
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



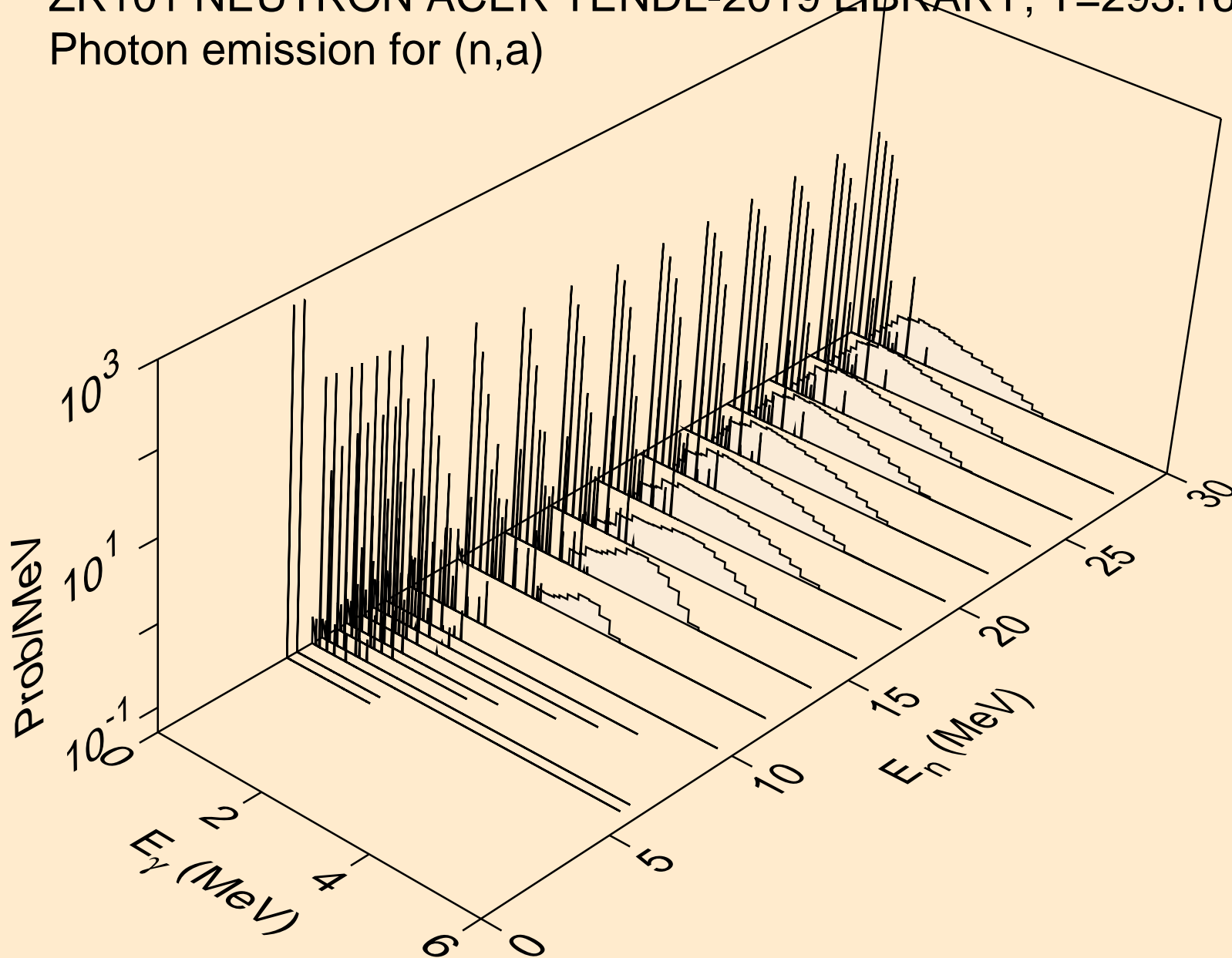
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



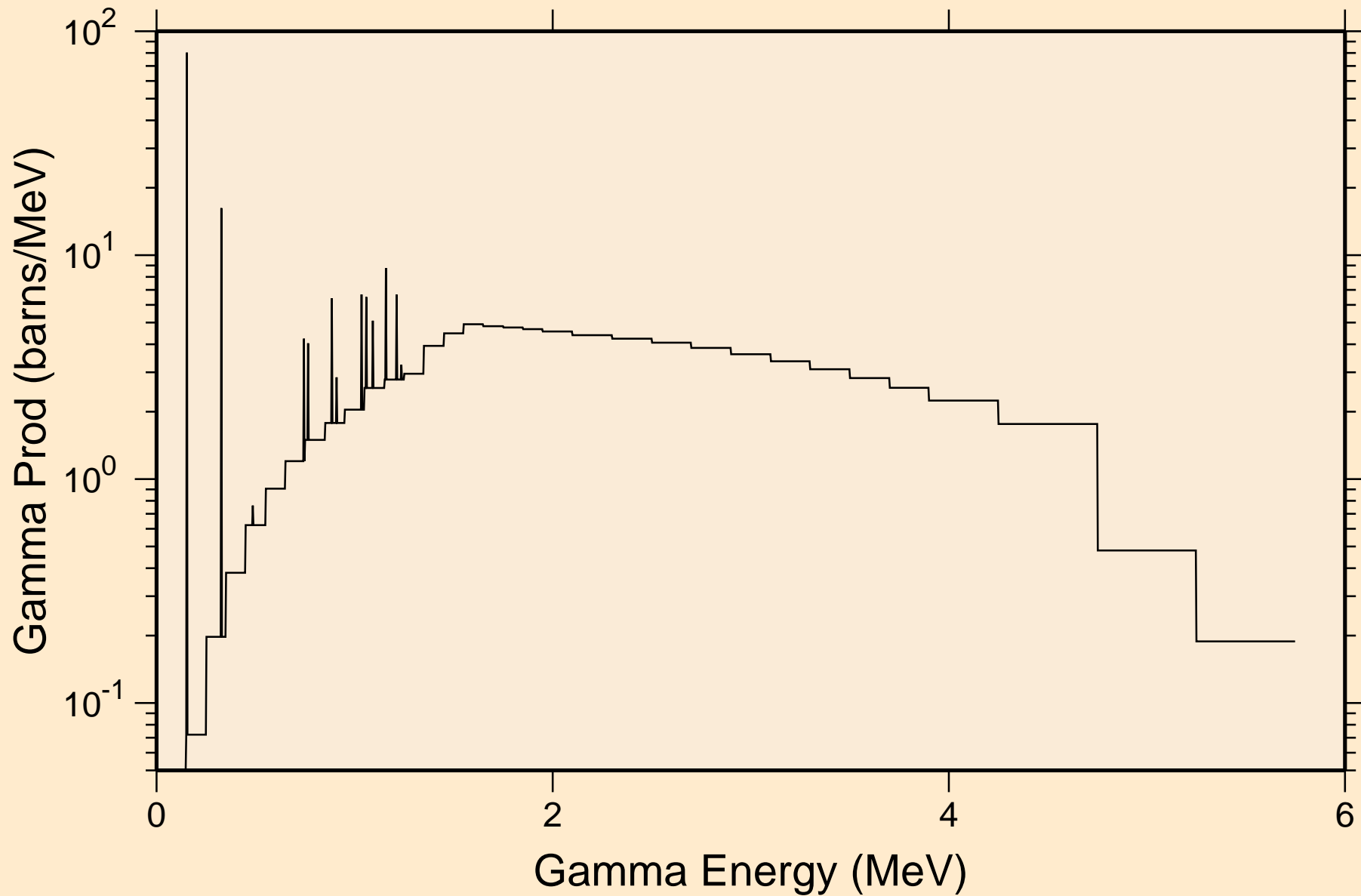
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



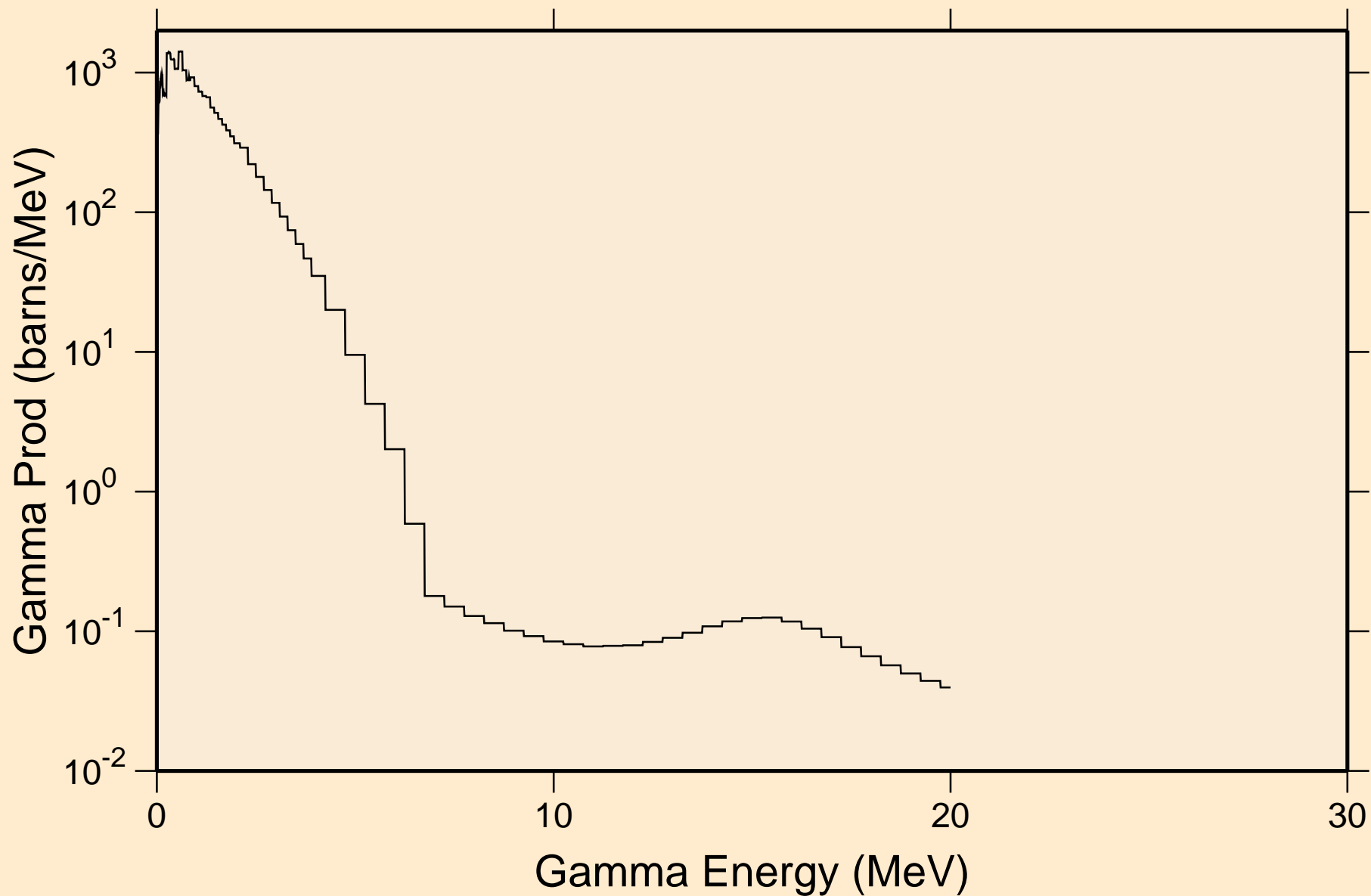
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

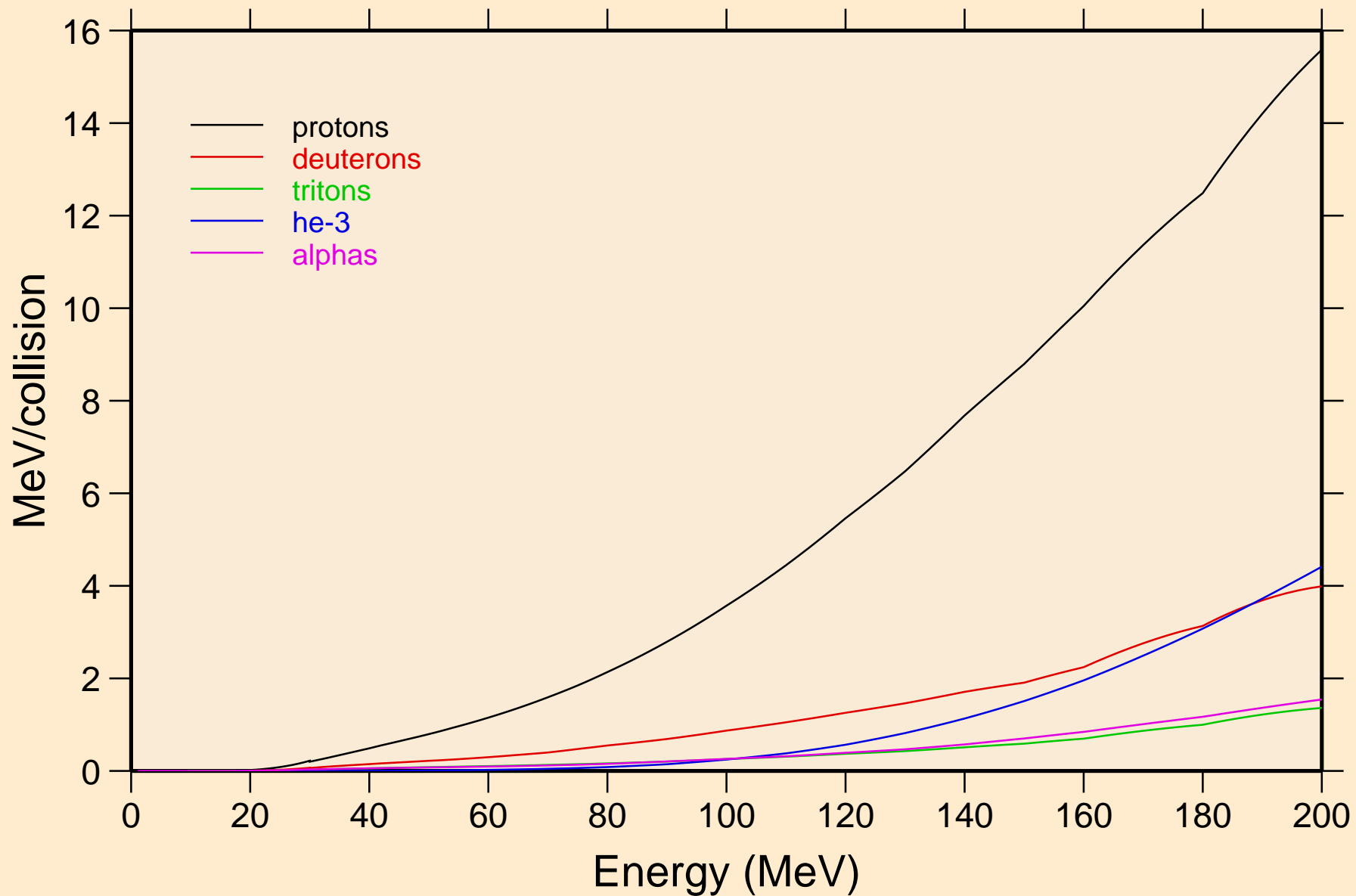


ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



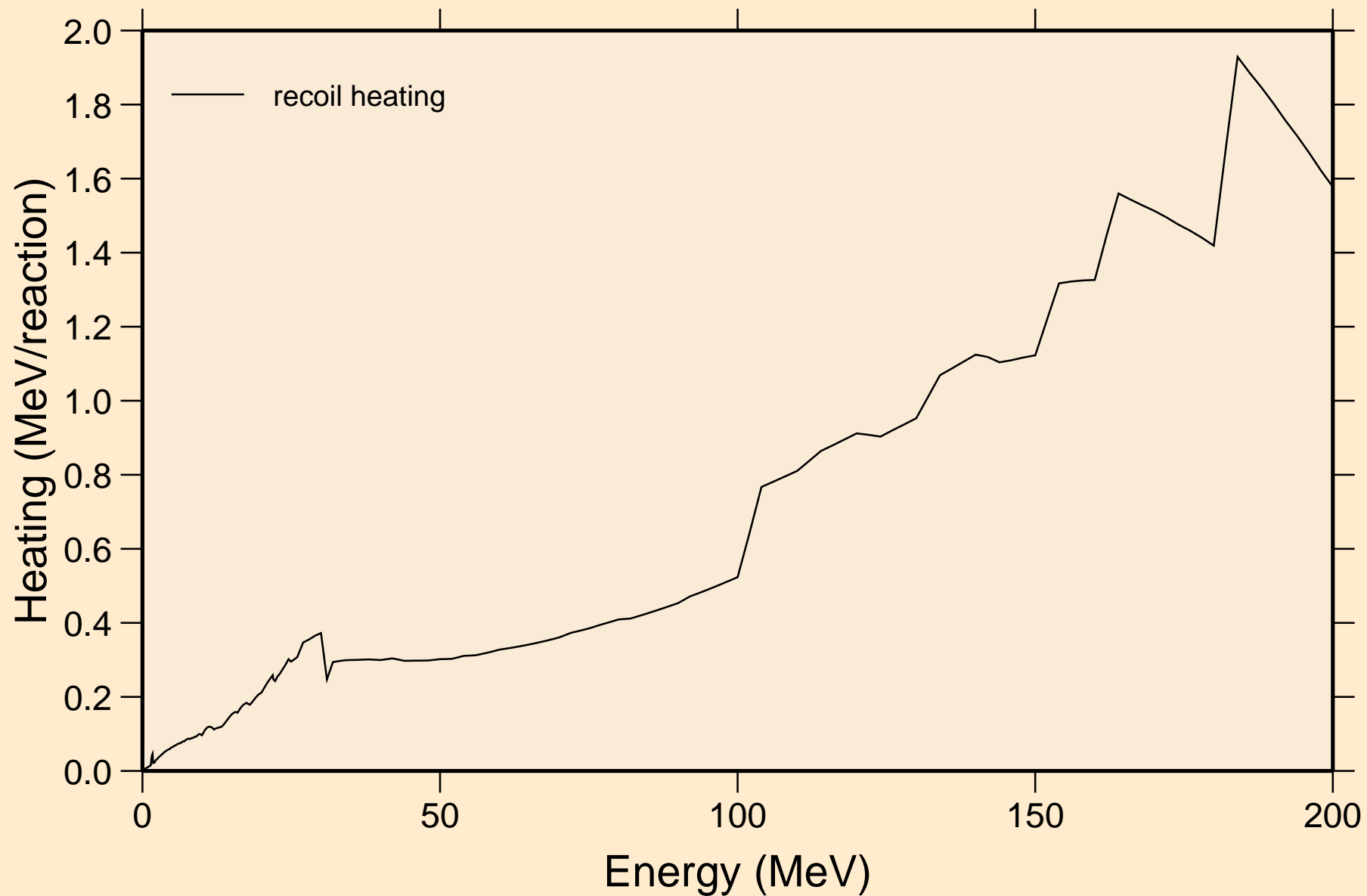
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions



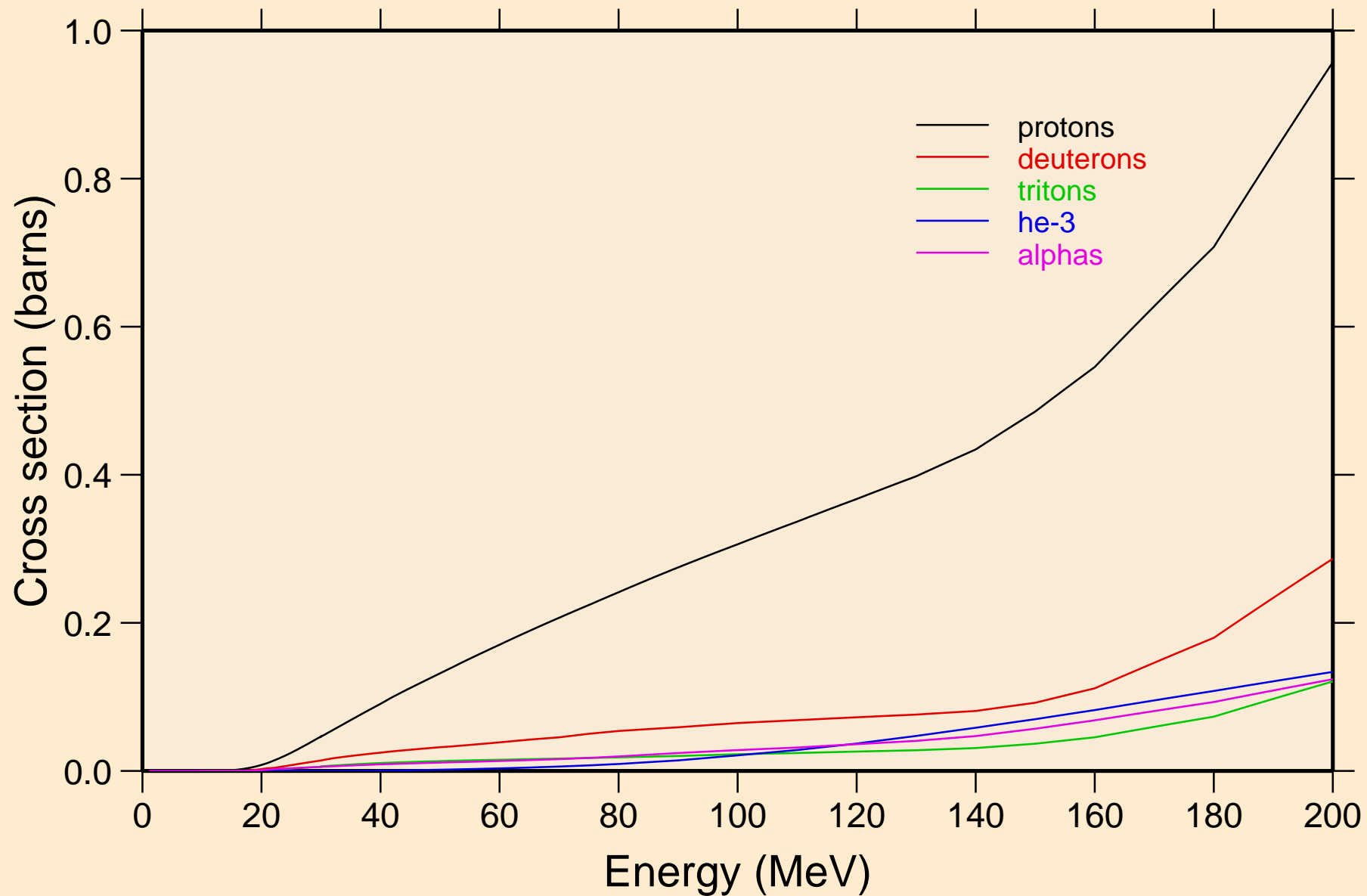
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Recoil Heating

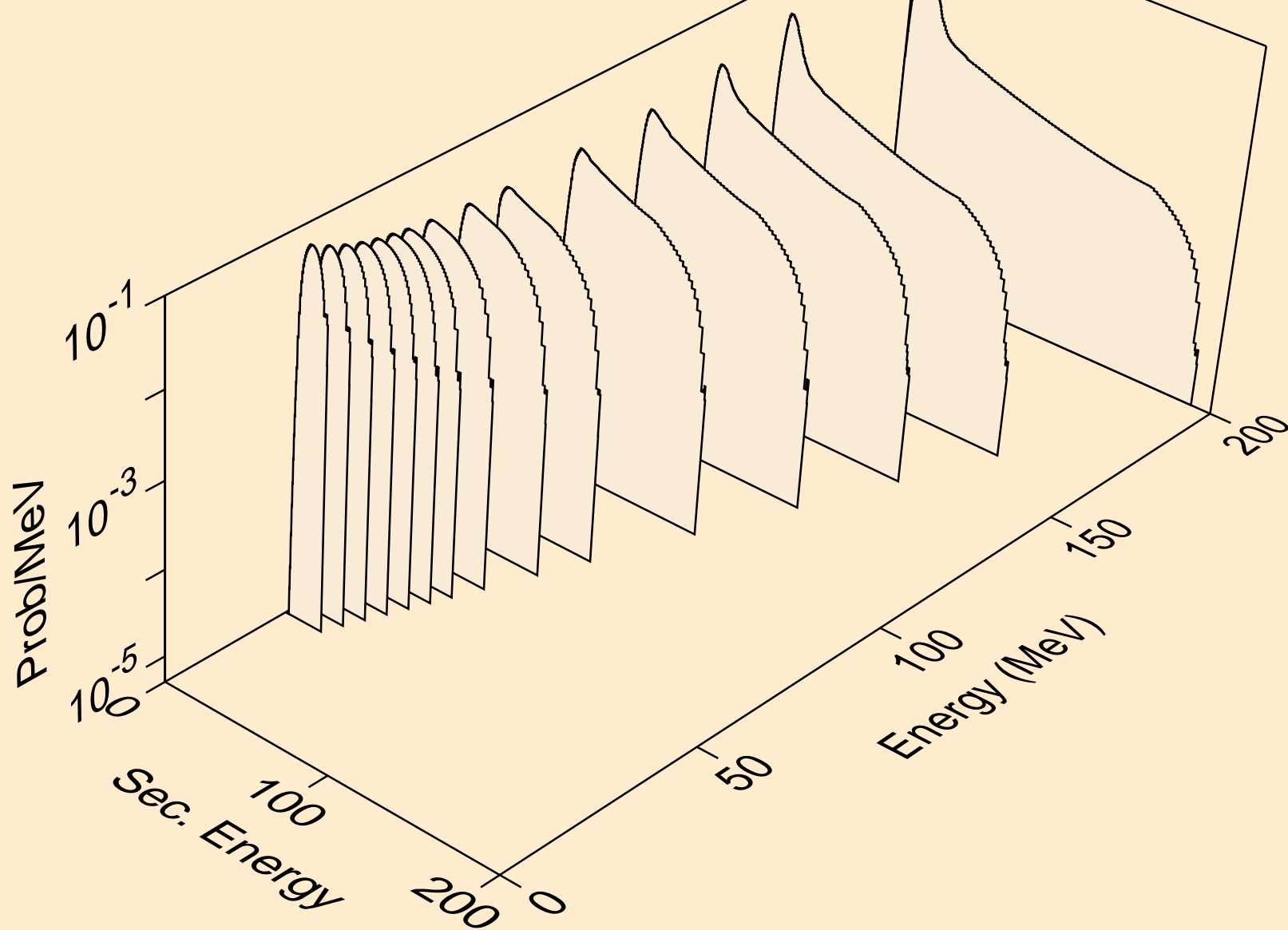


ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

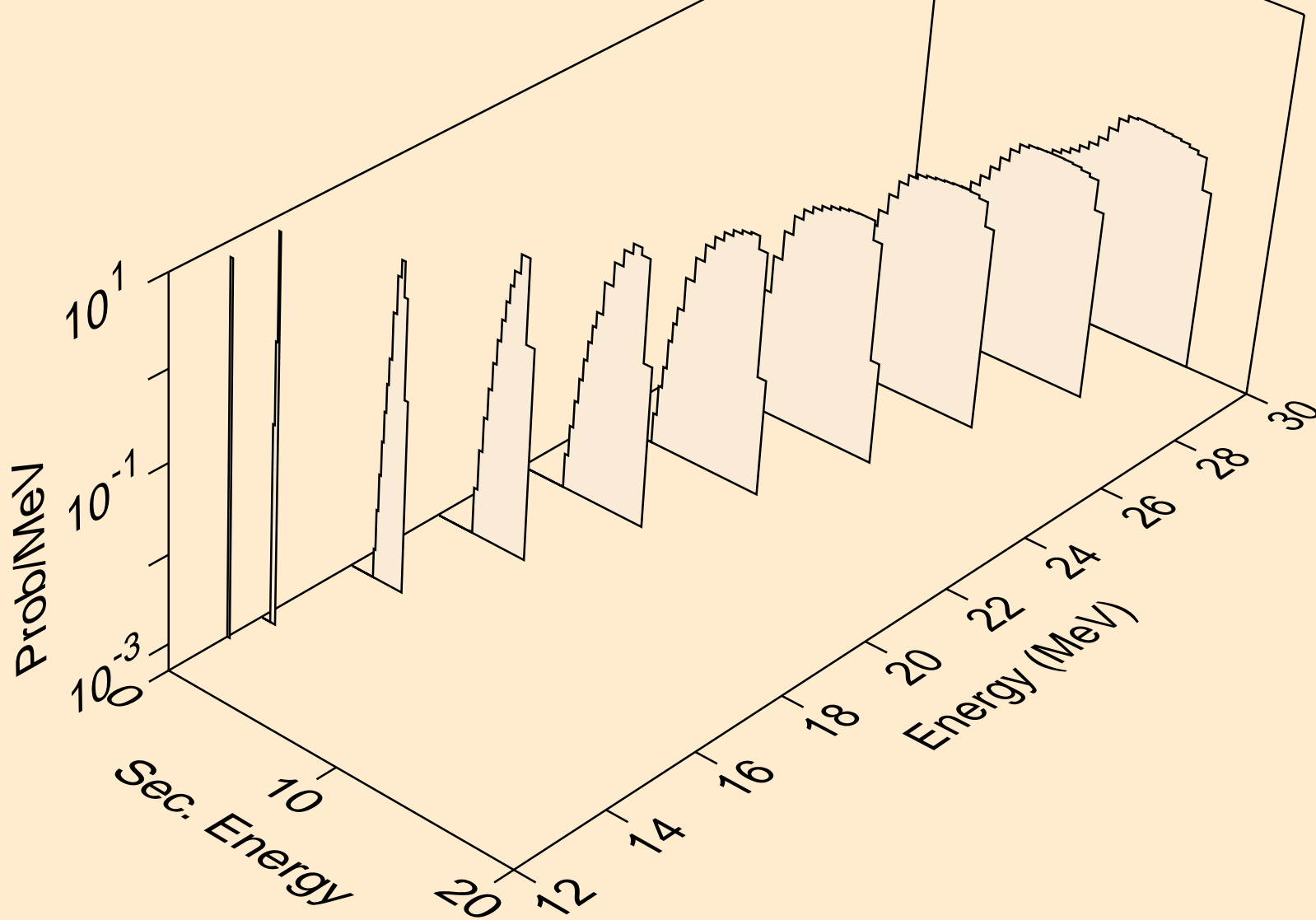
Particle production cross sections



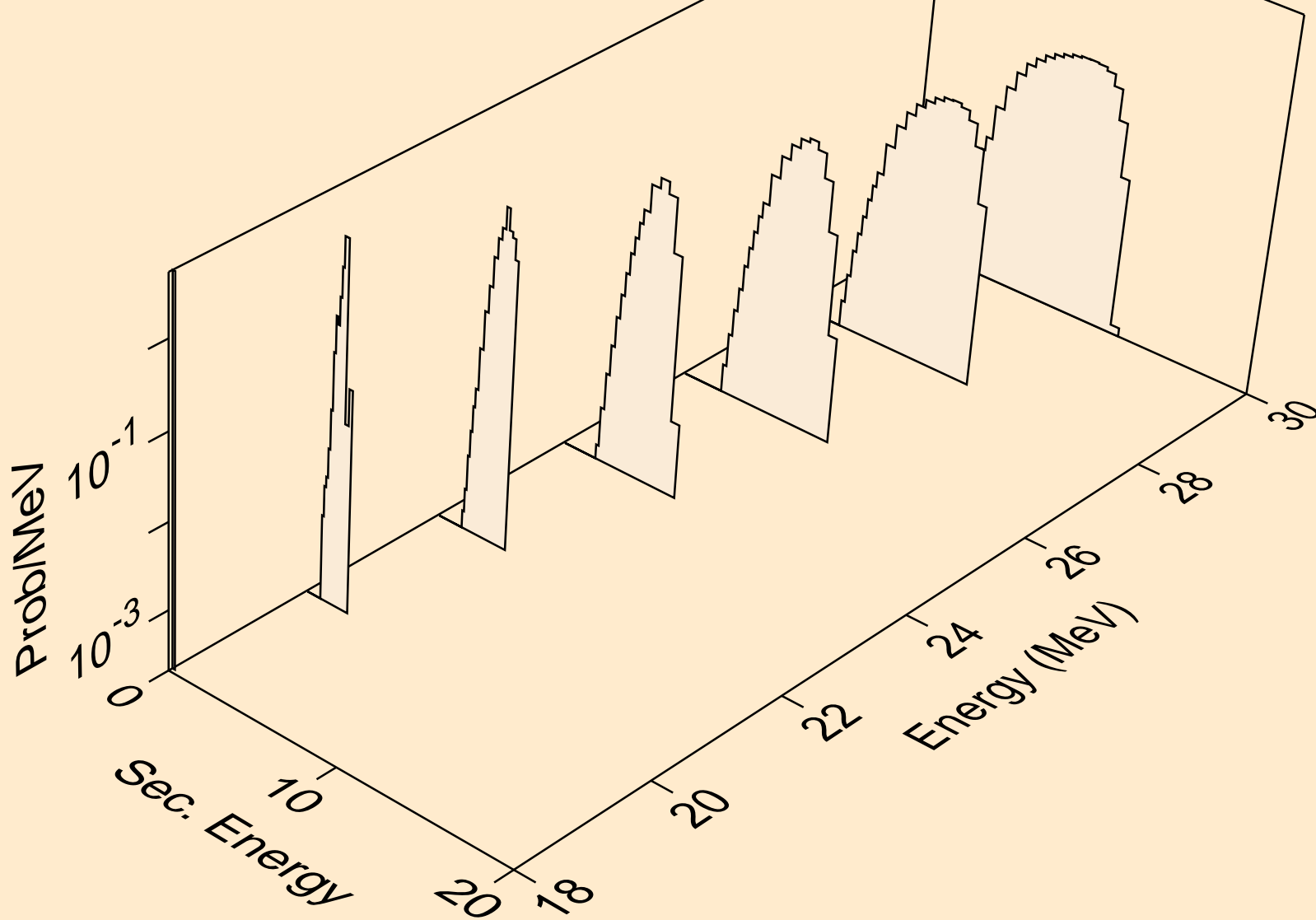
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



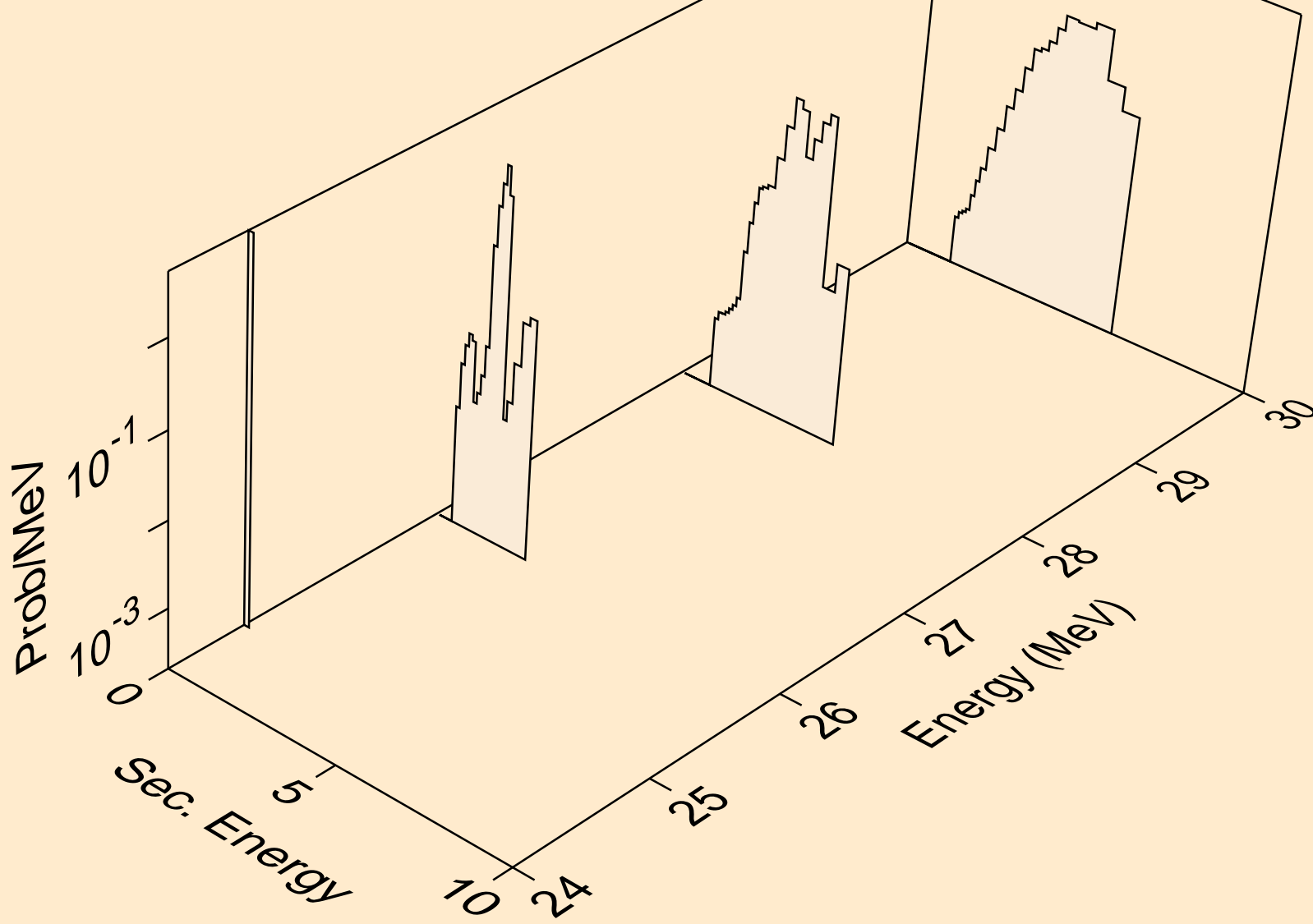
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



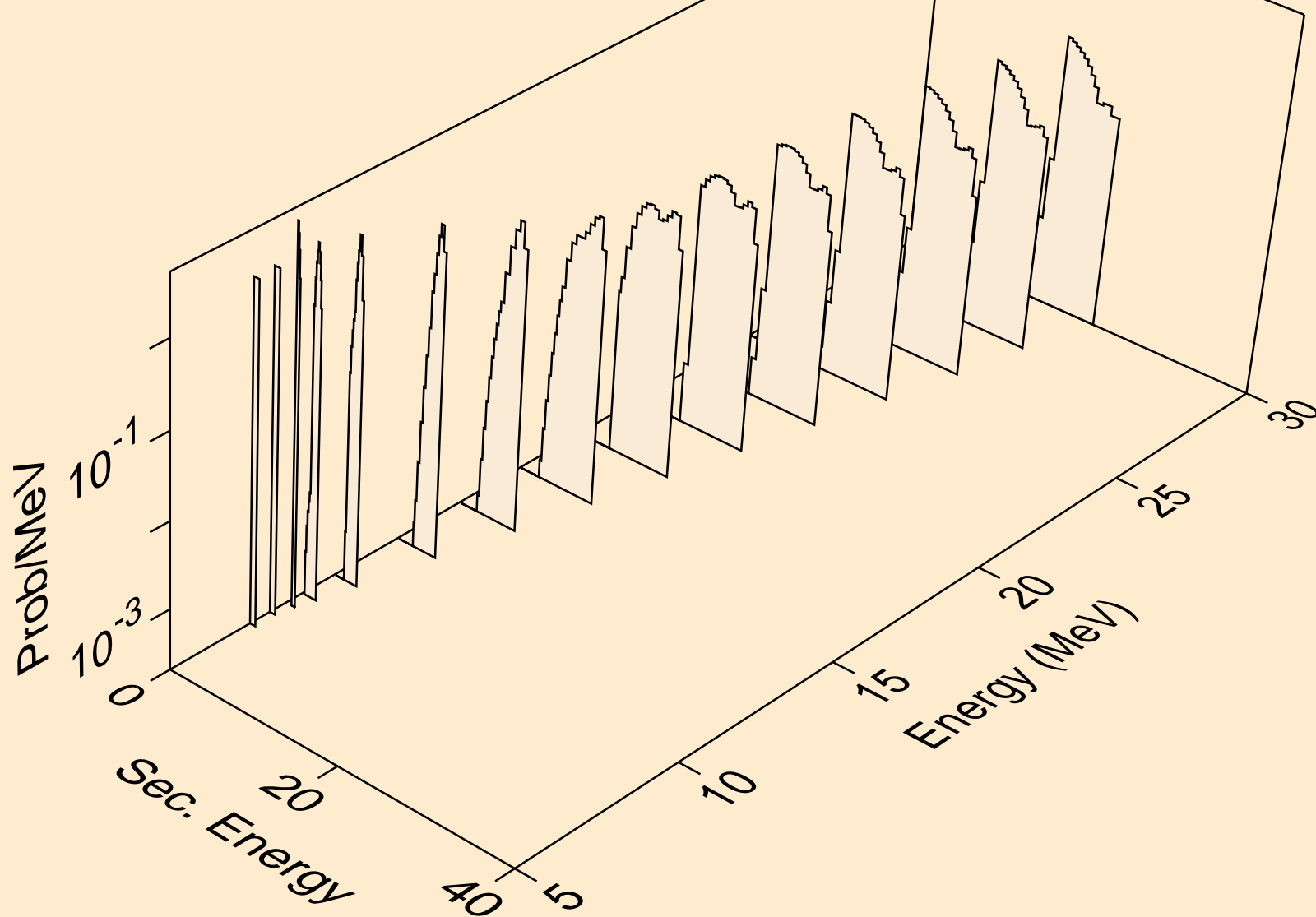
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



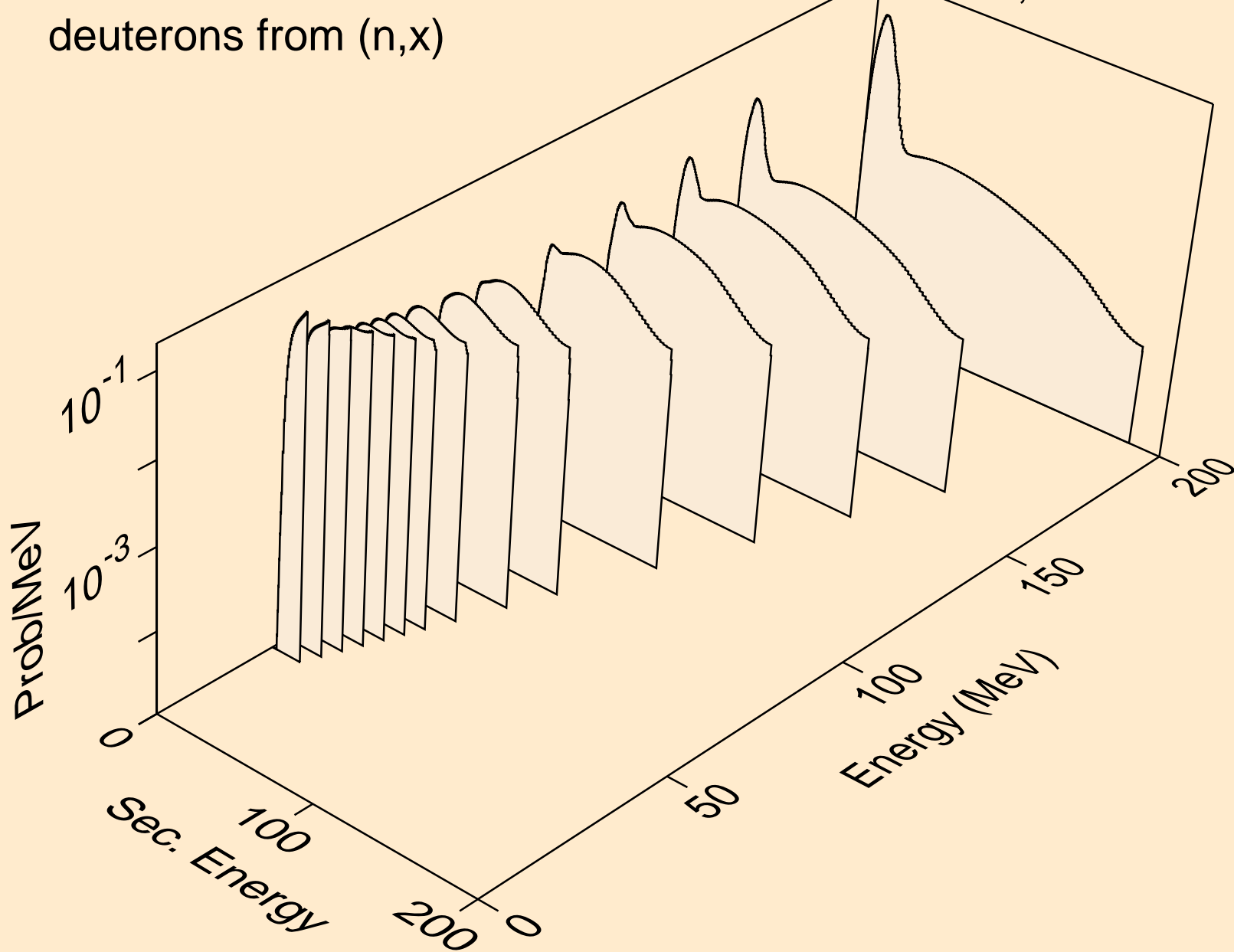
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



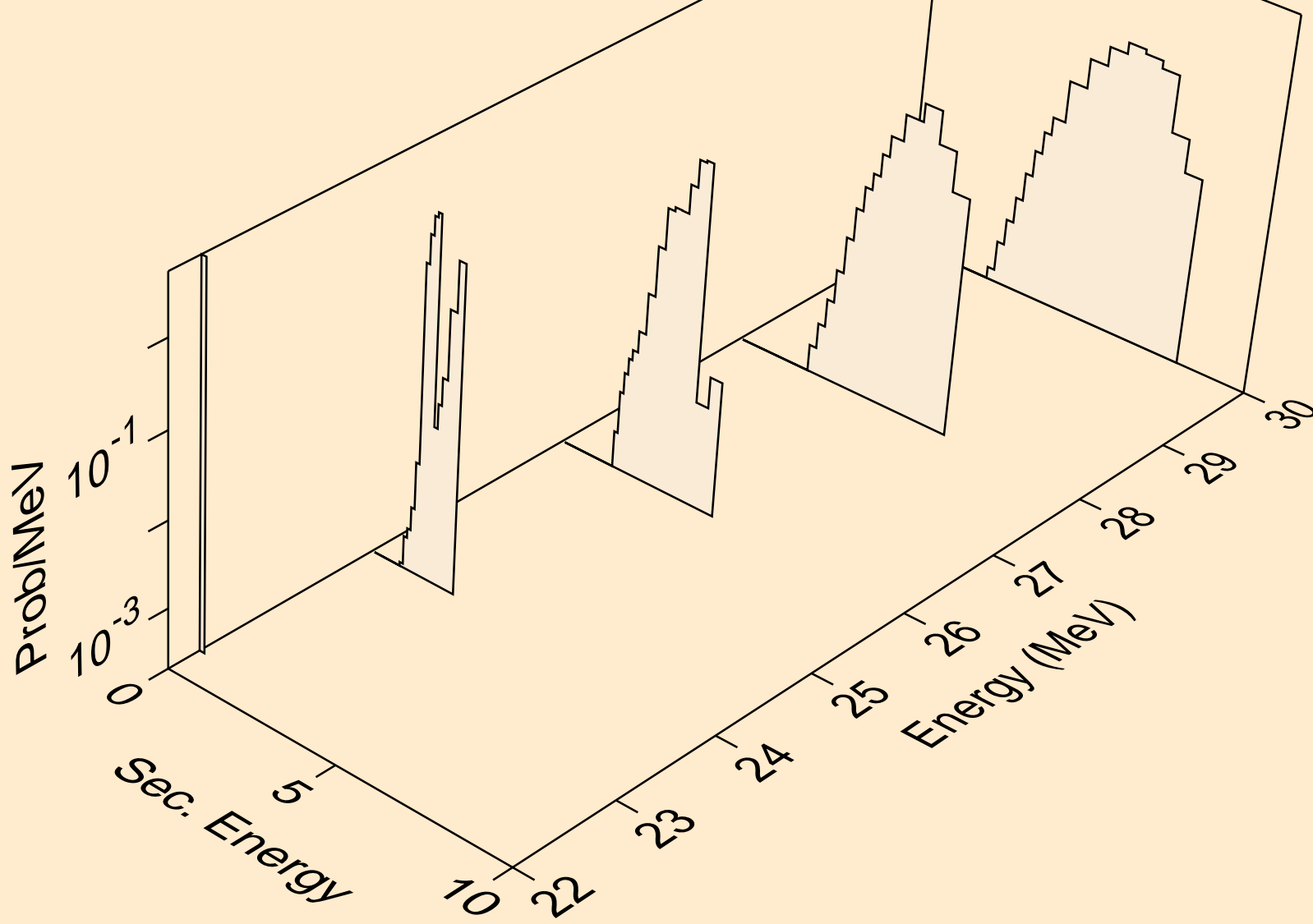
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



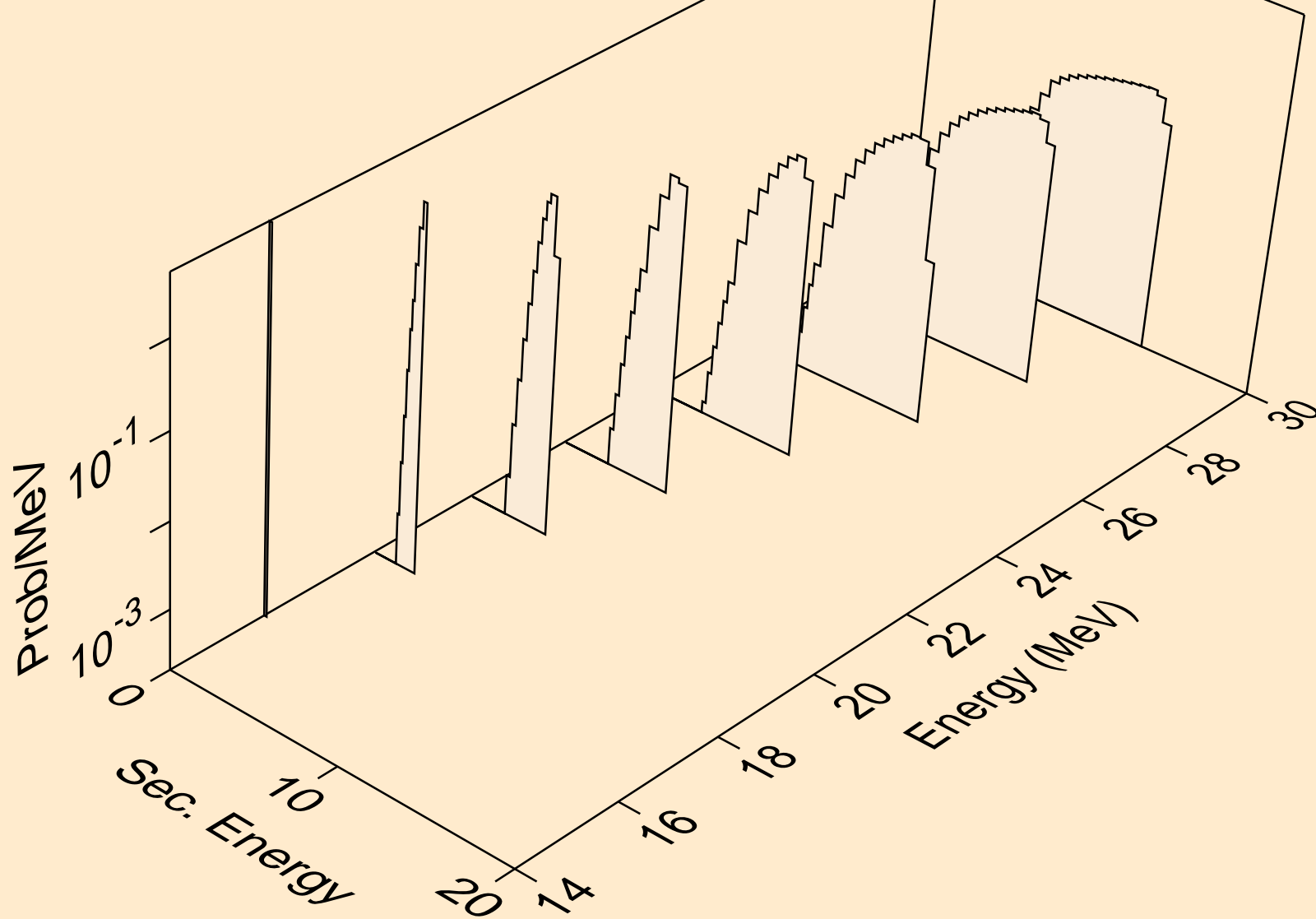
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



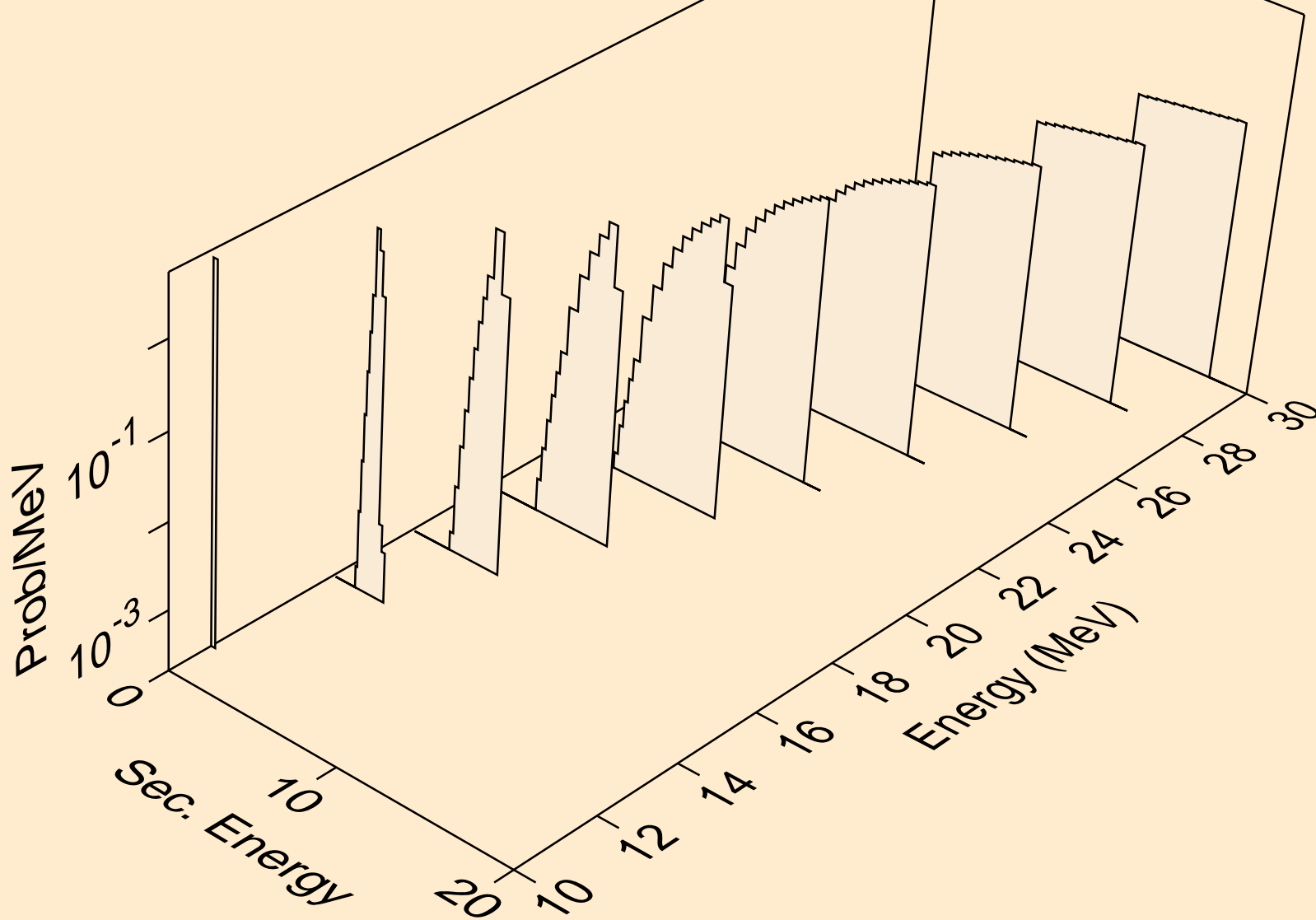
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



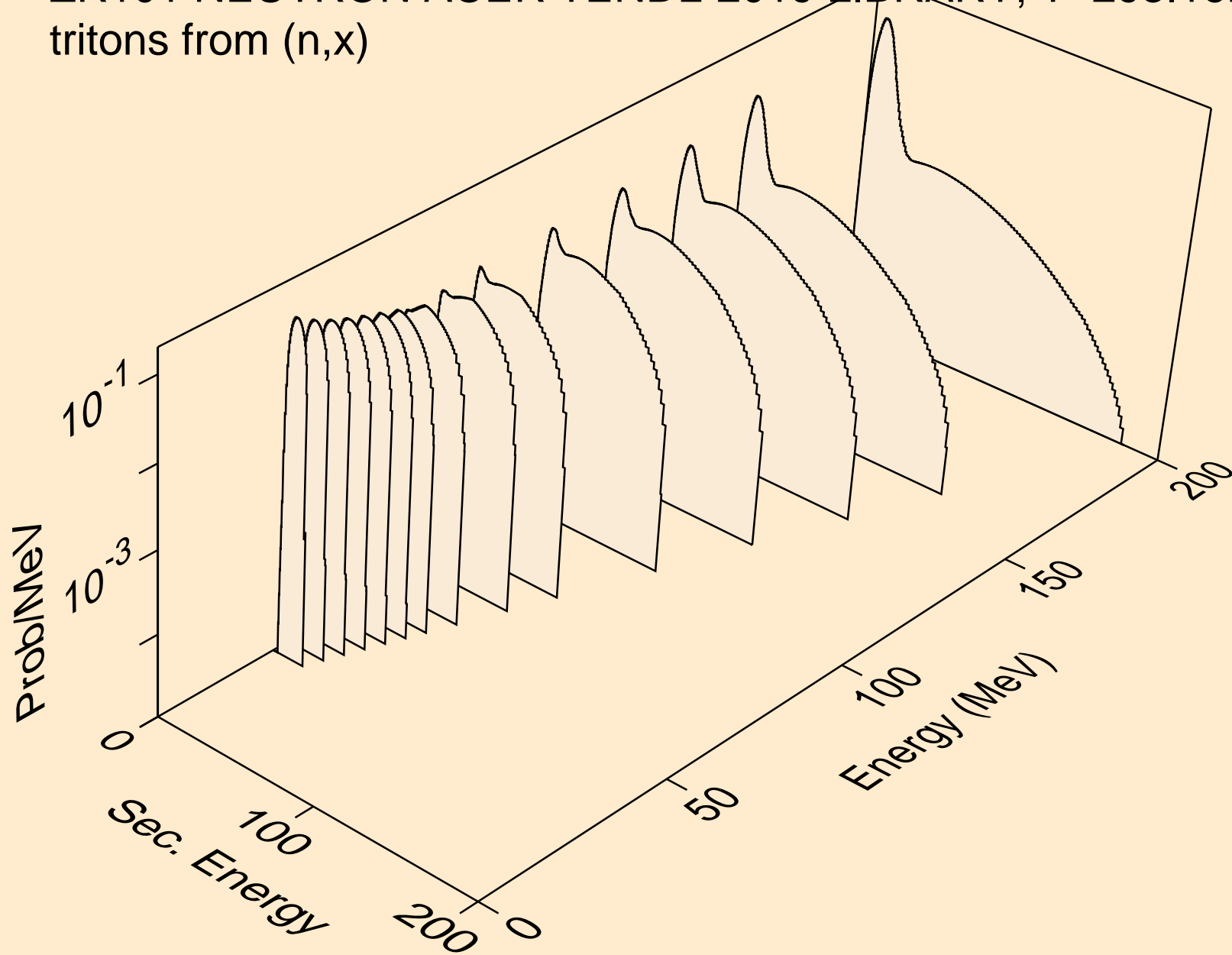
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



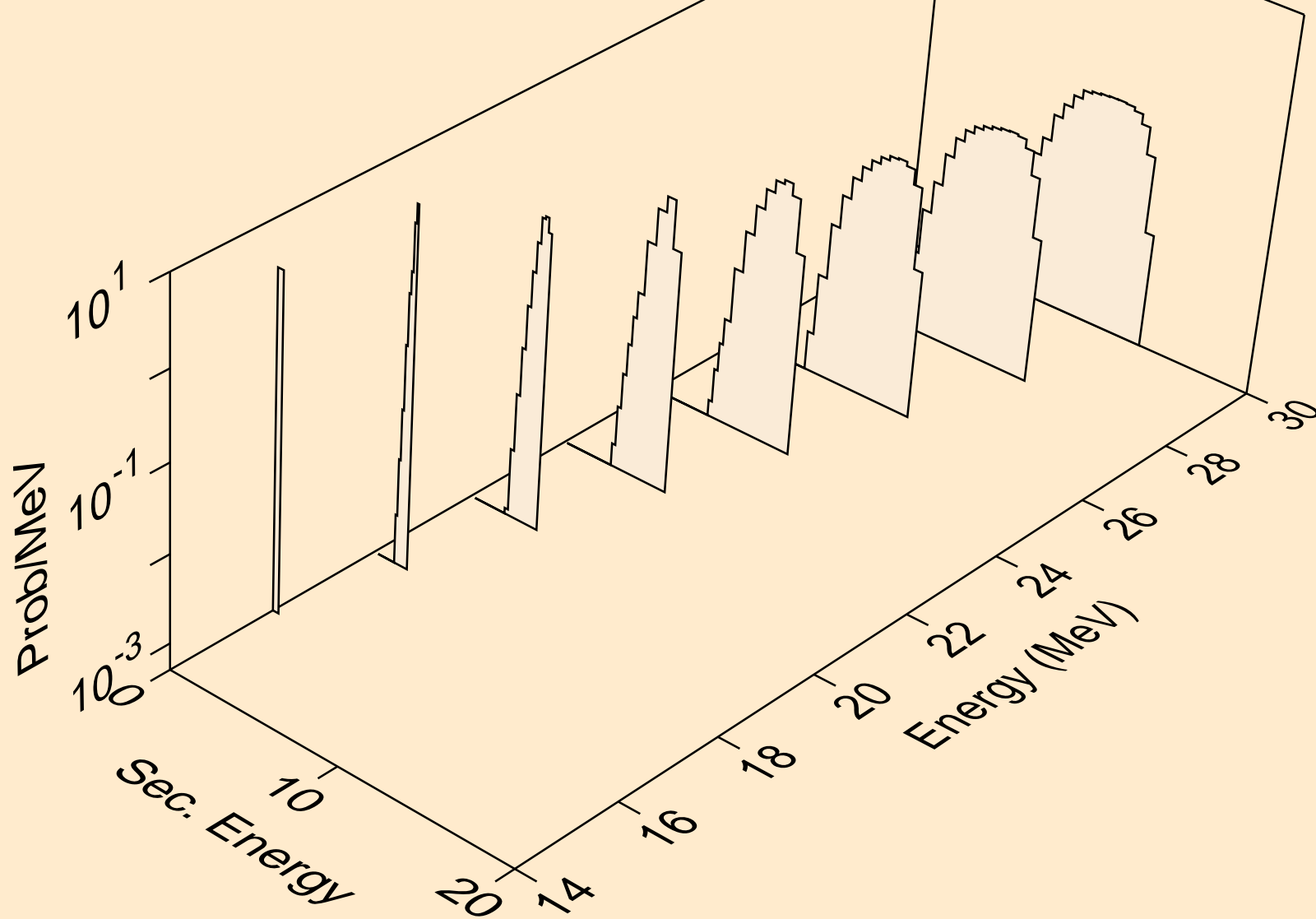
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



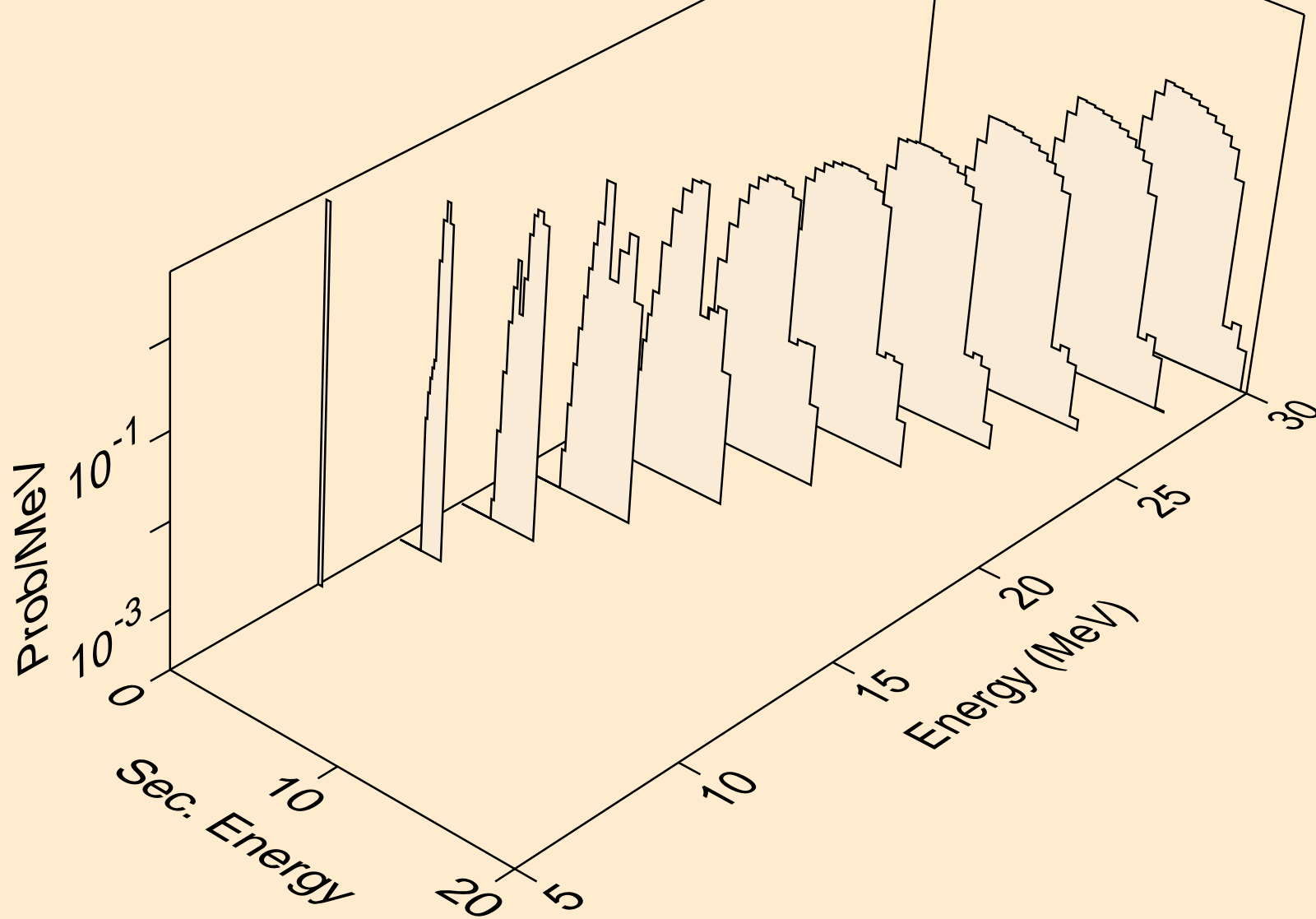
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



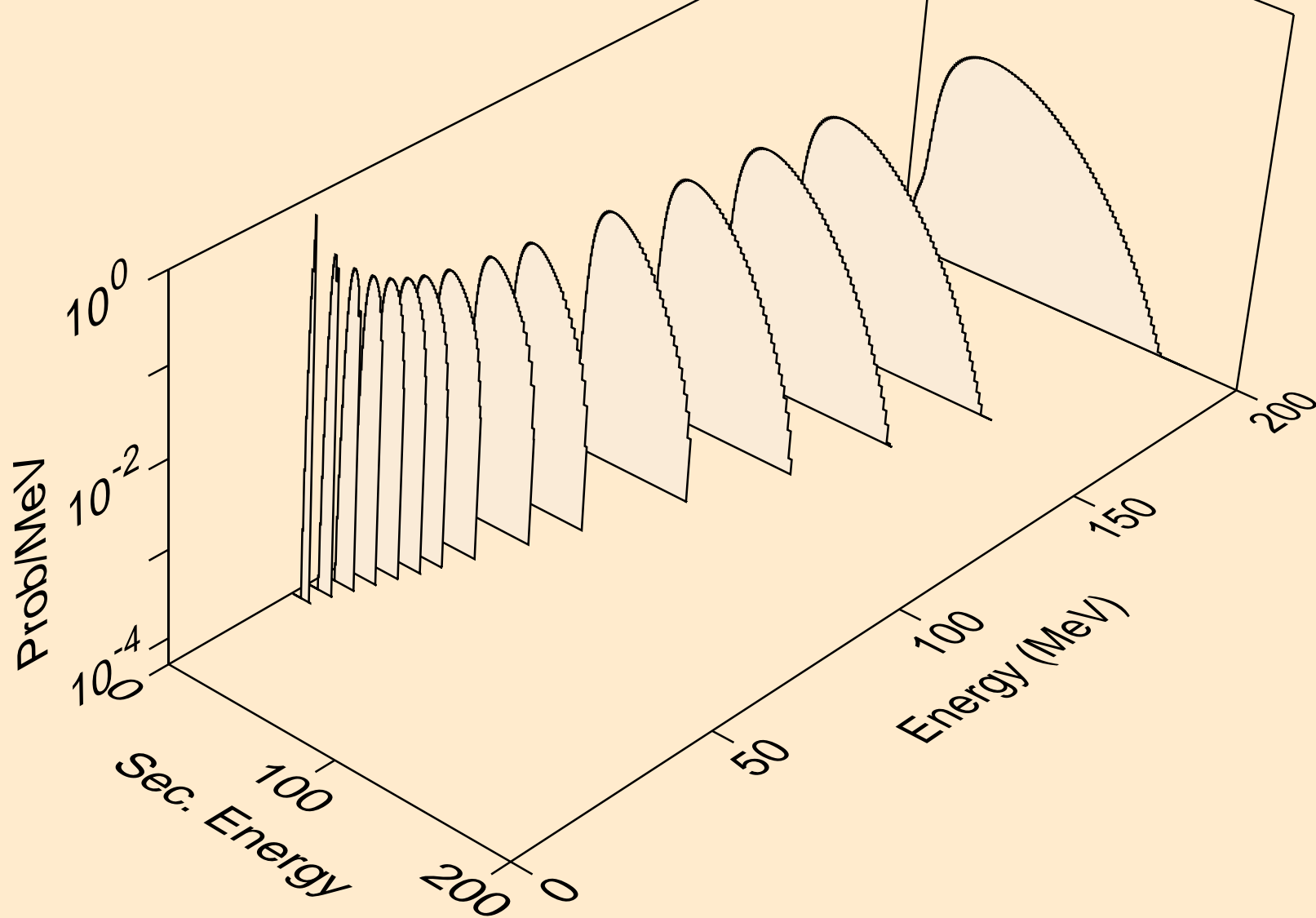
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



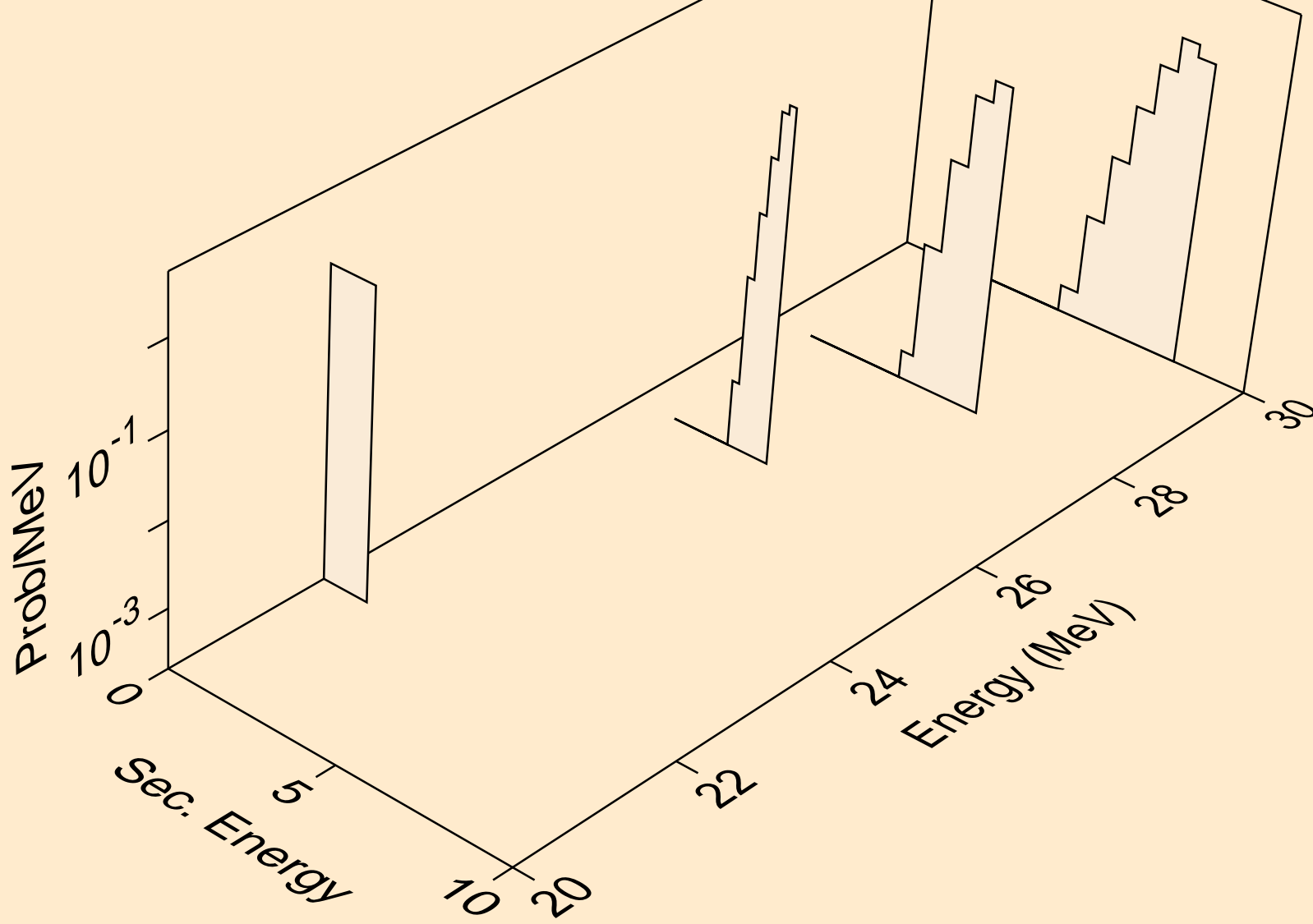
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



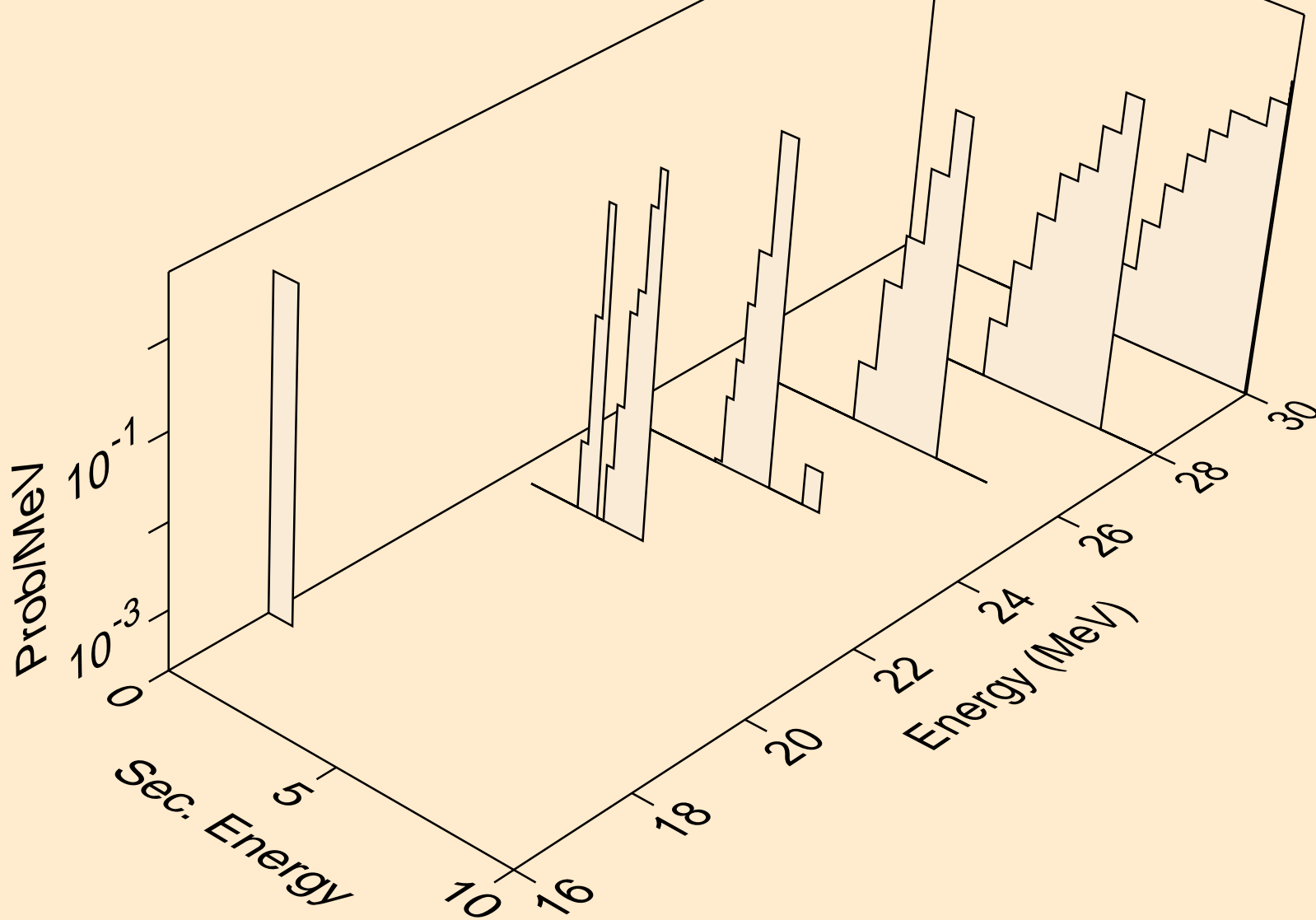
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



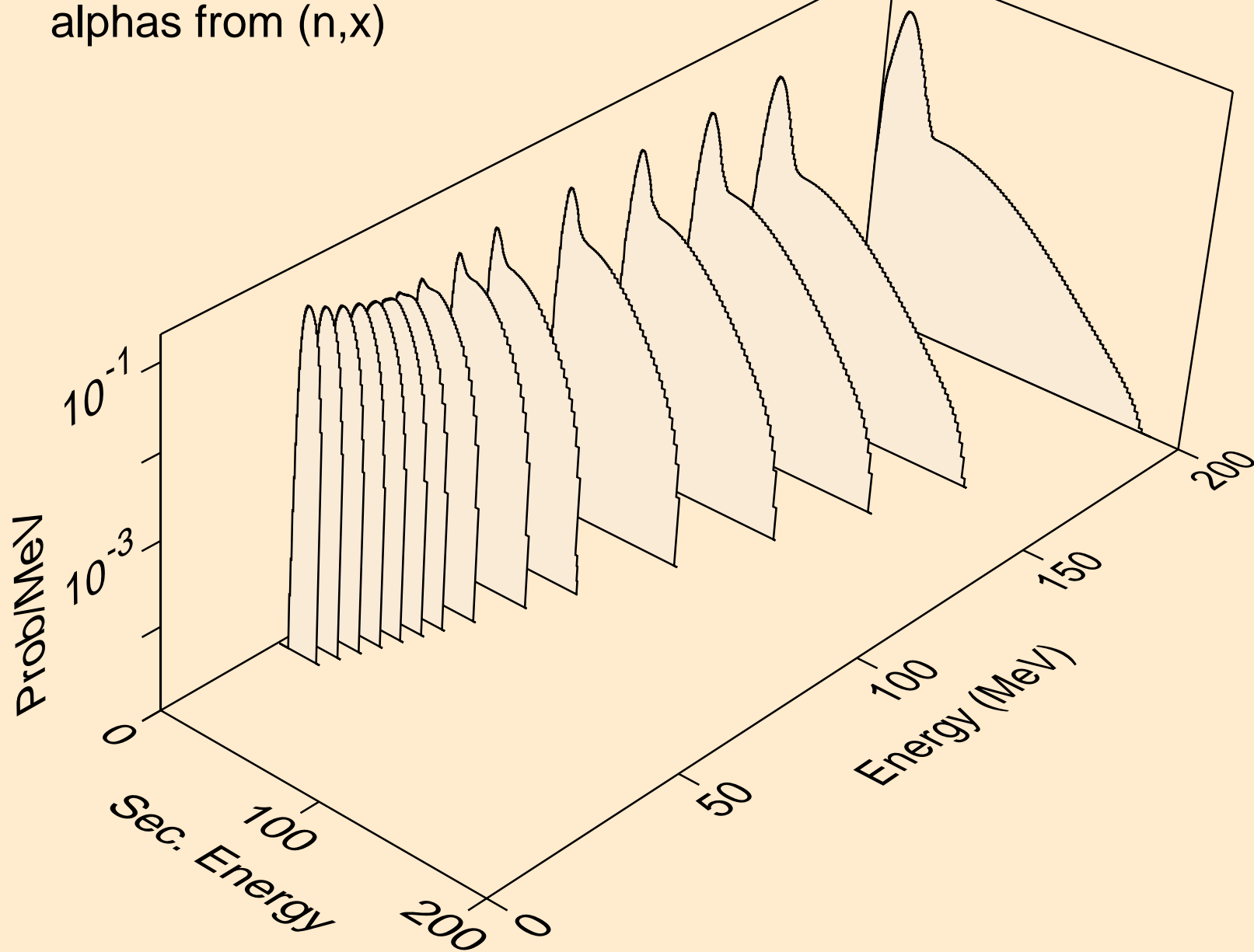
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



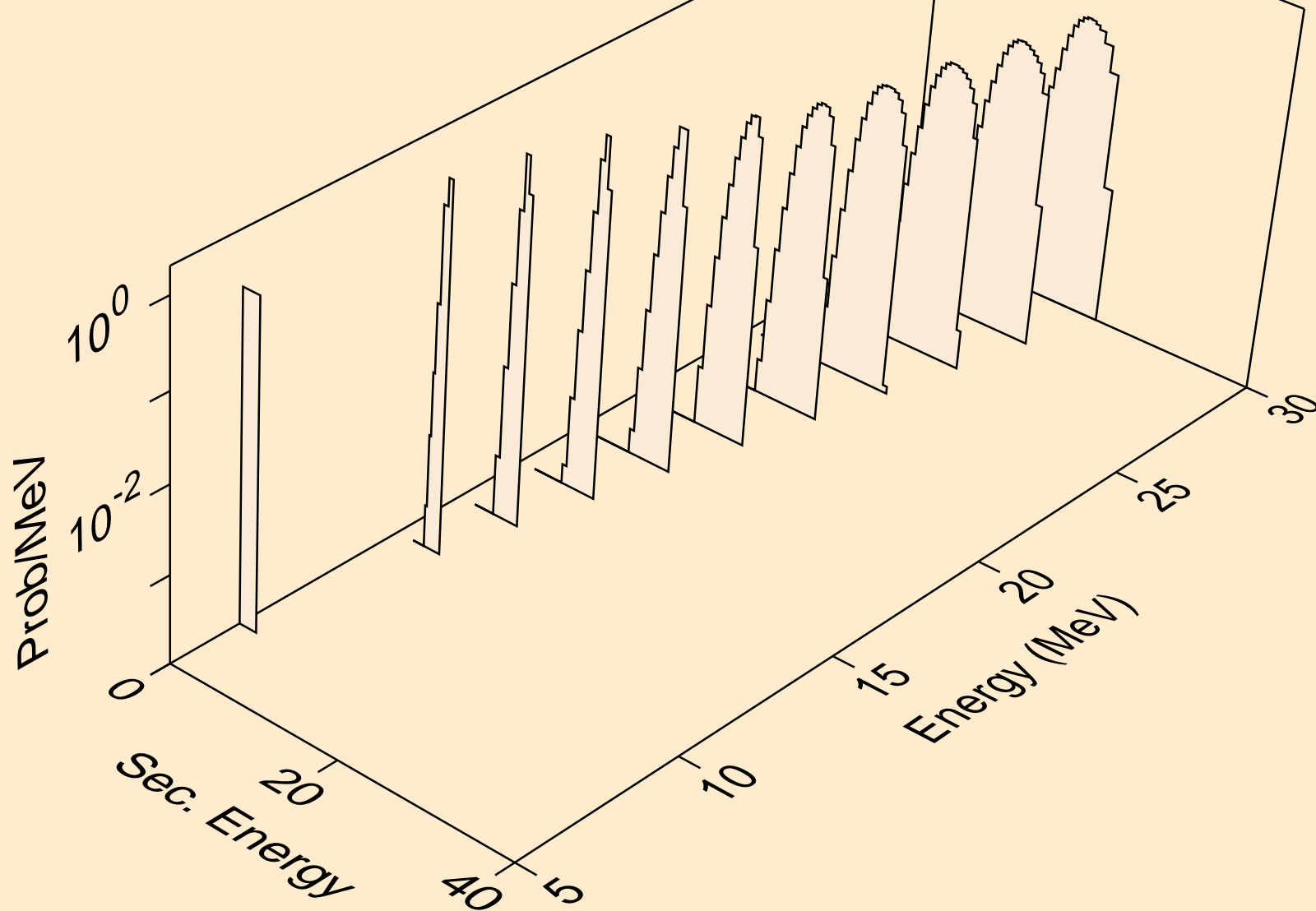
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



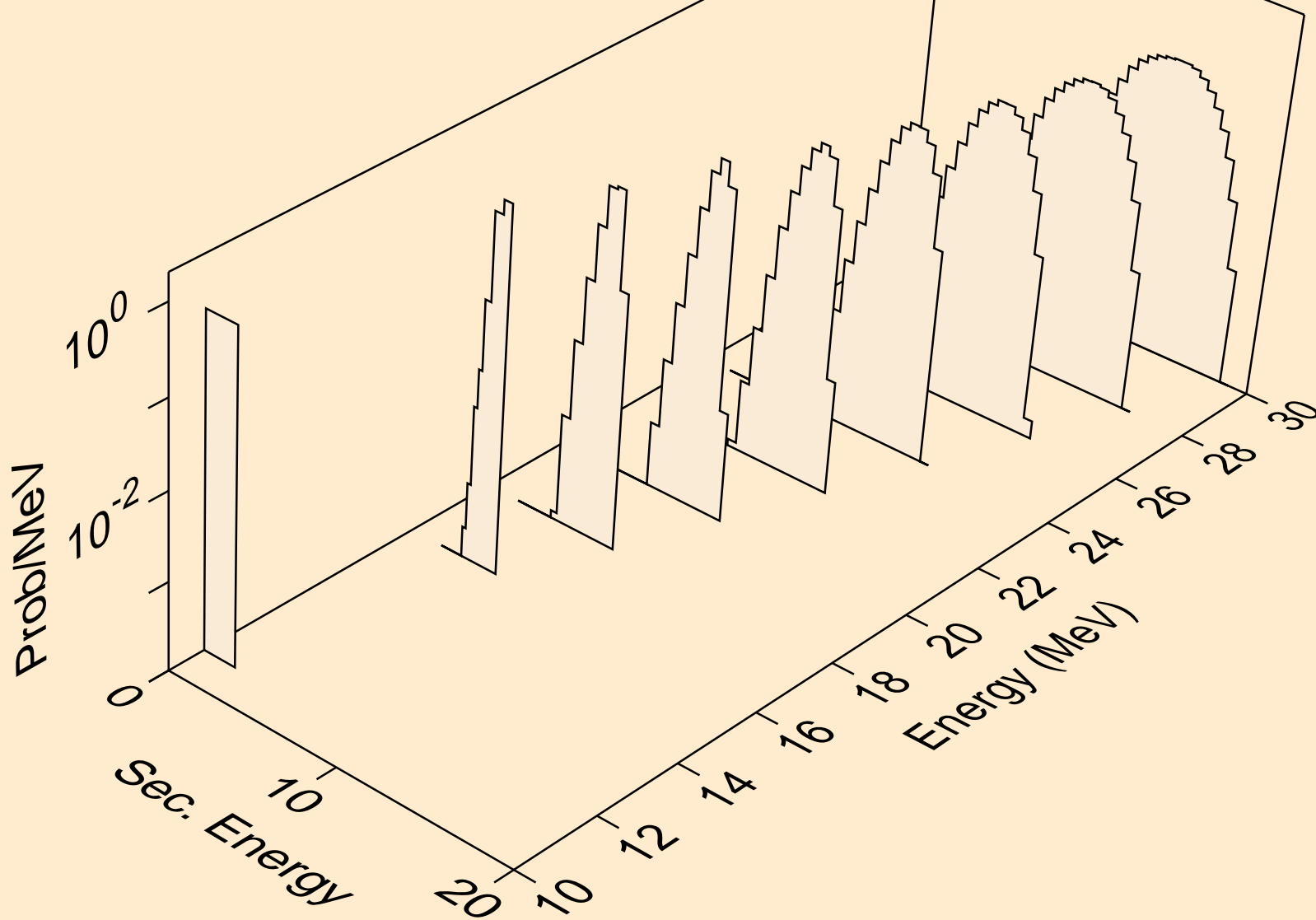
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



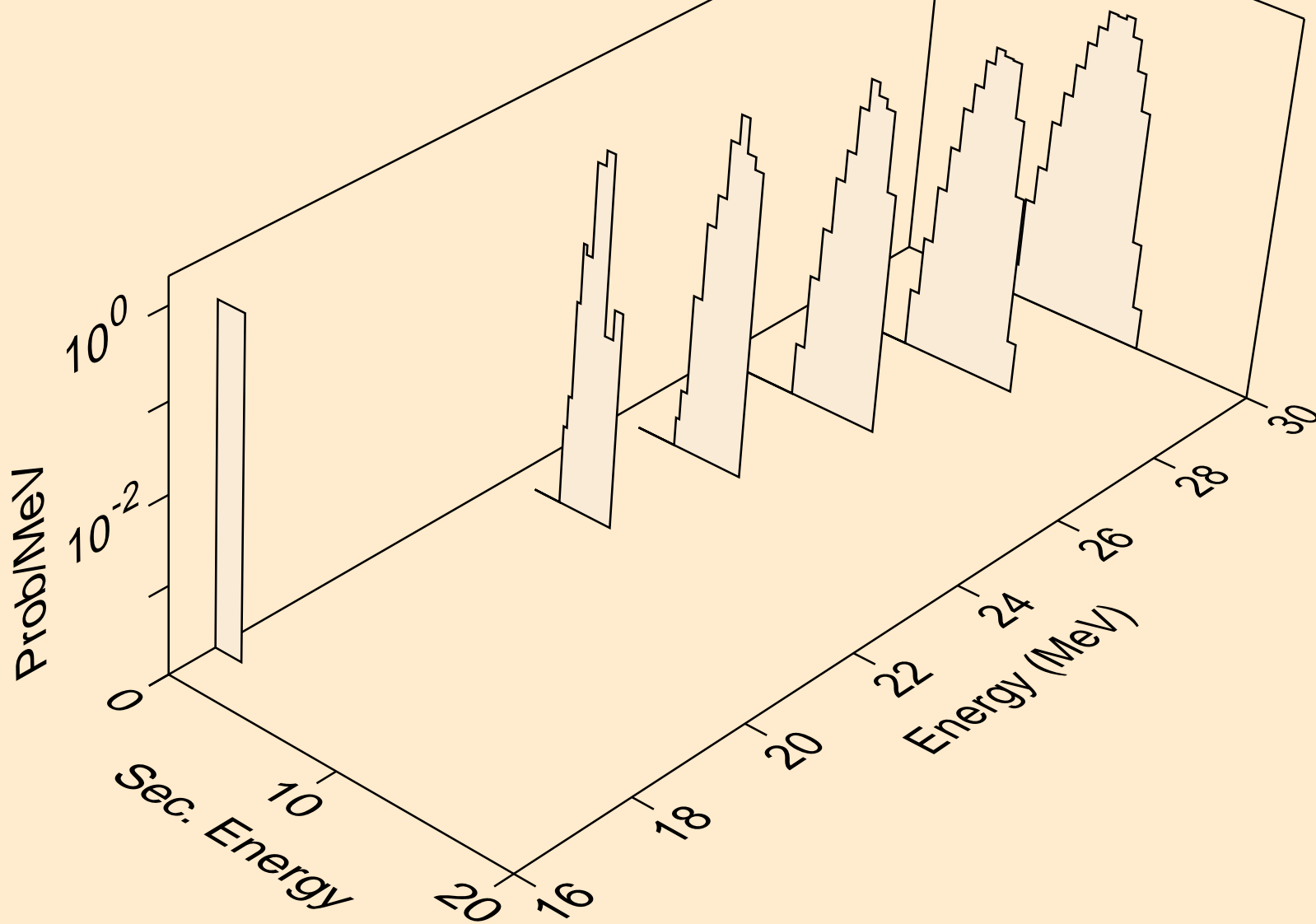
ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



ZR101 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)

