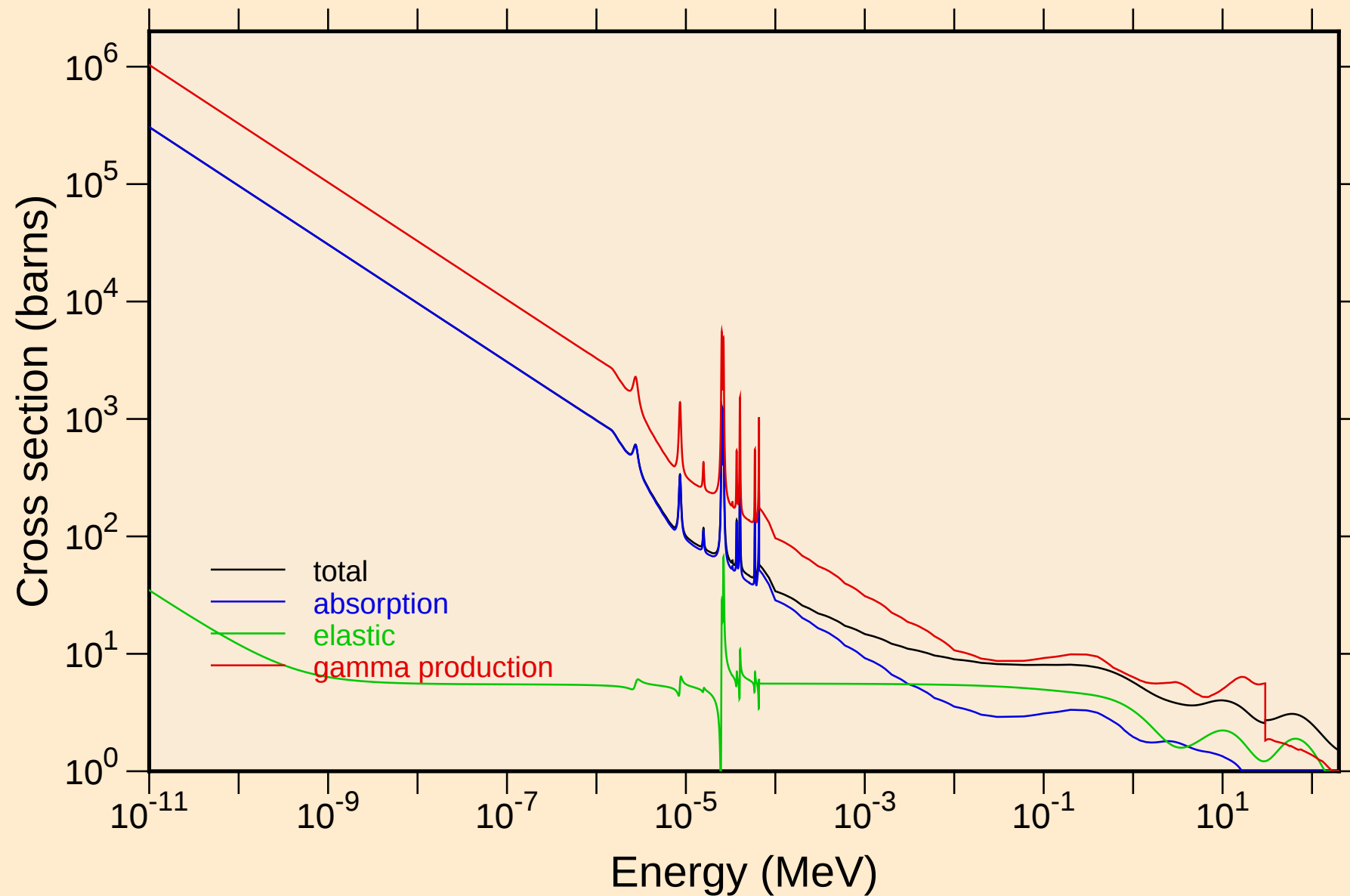
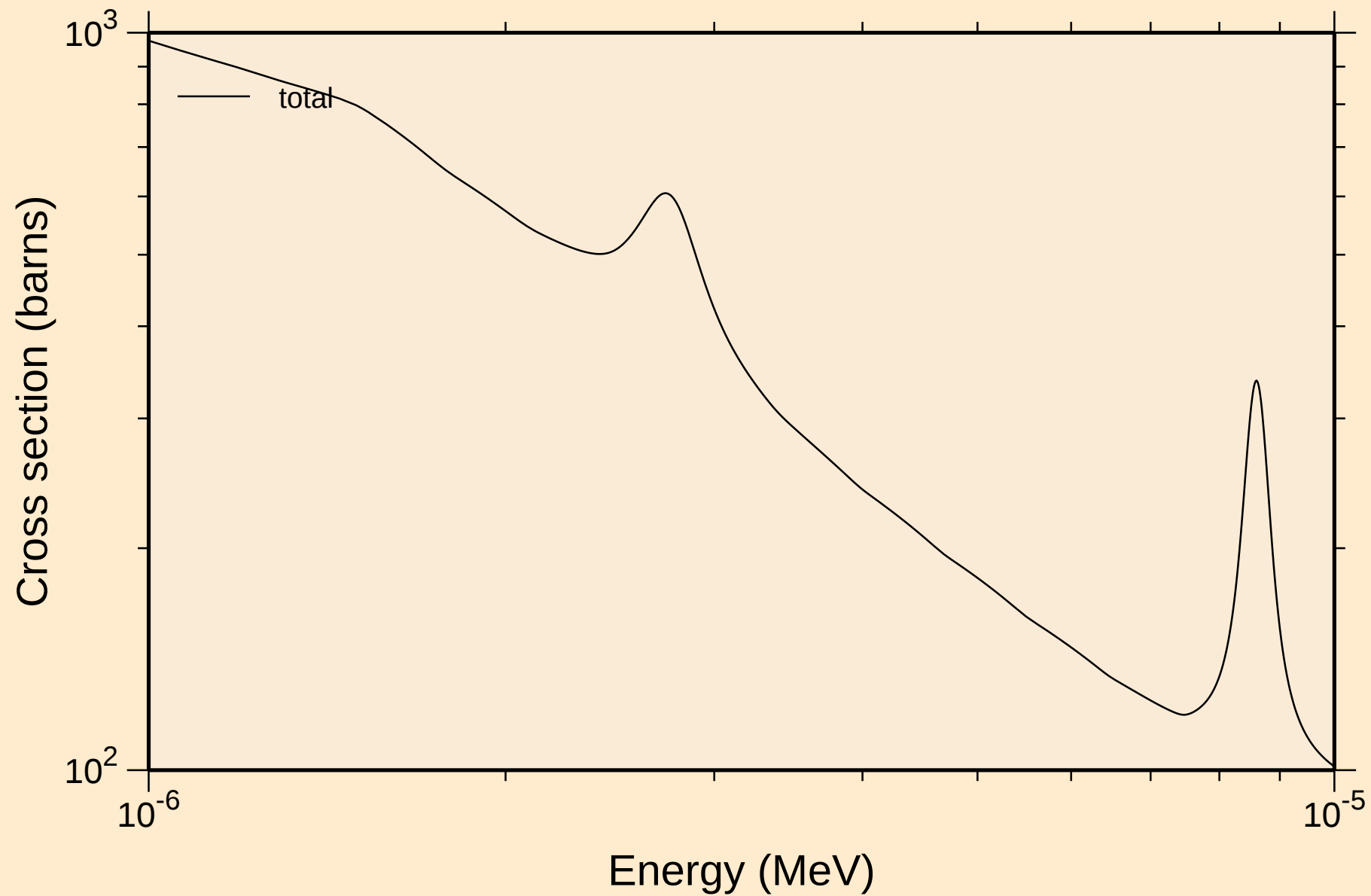


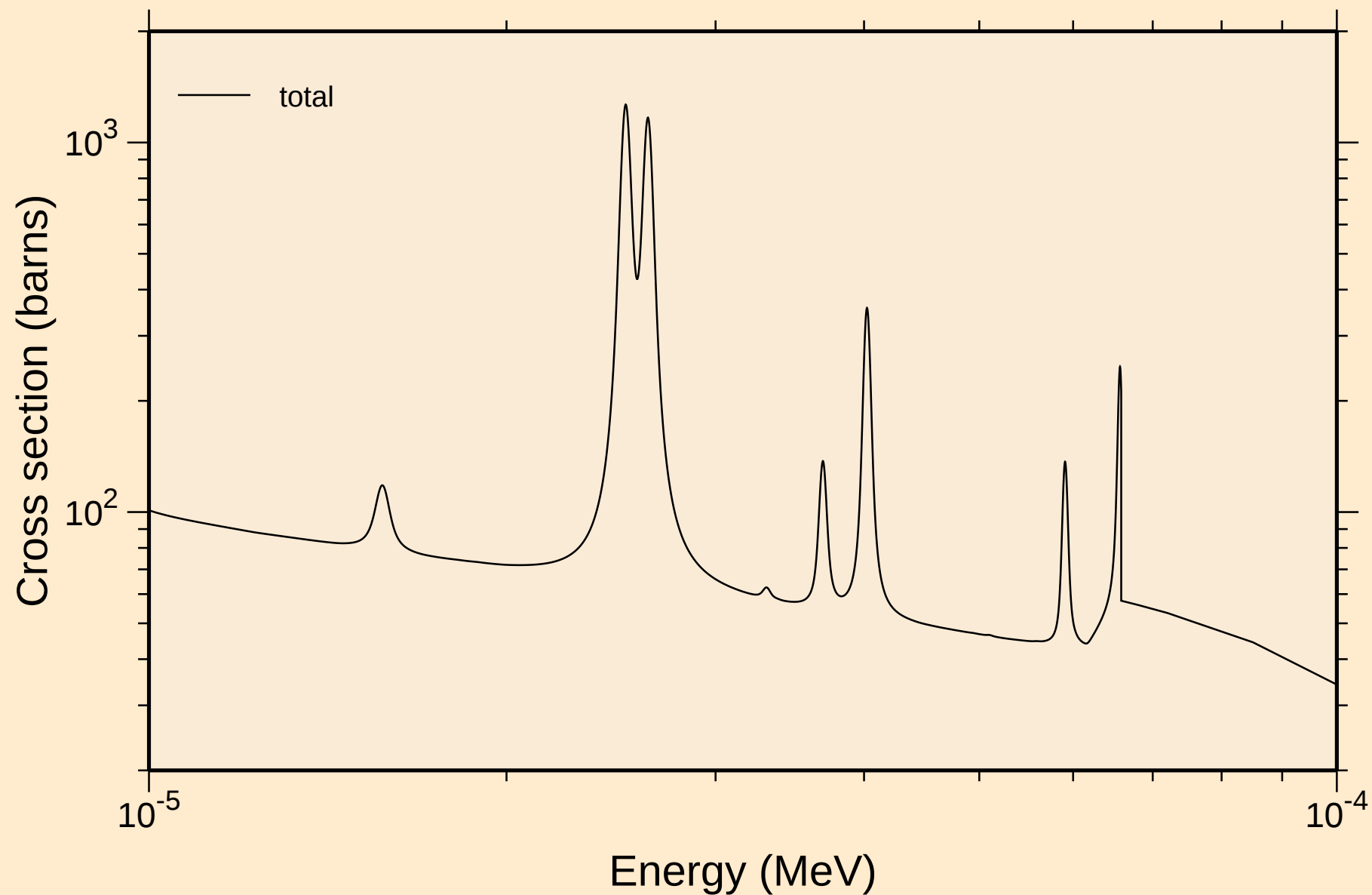
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Principal cross sections



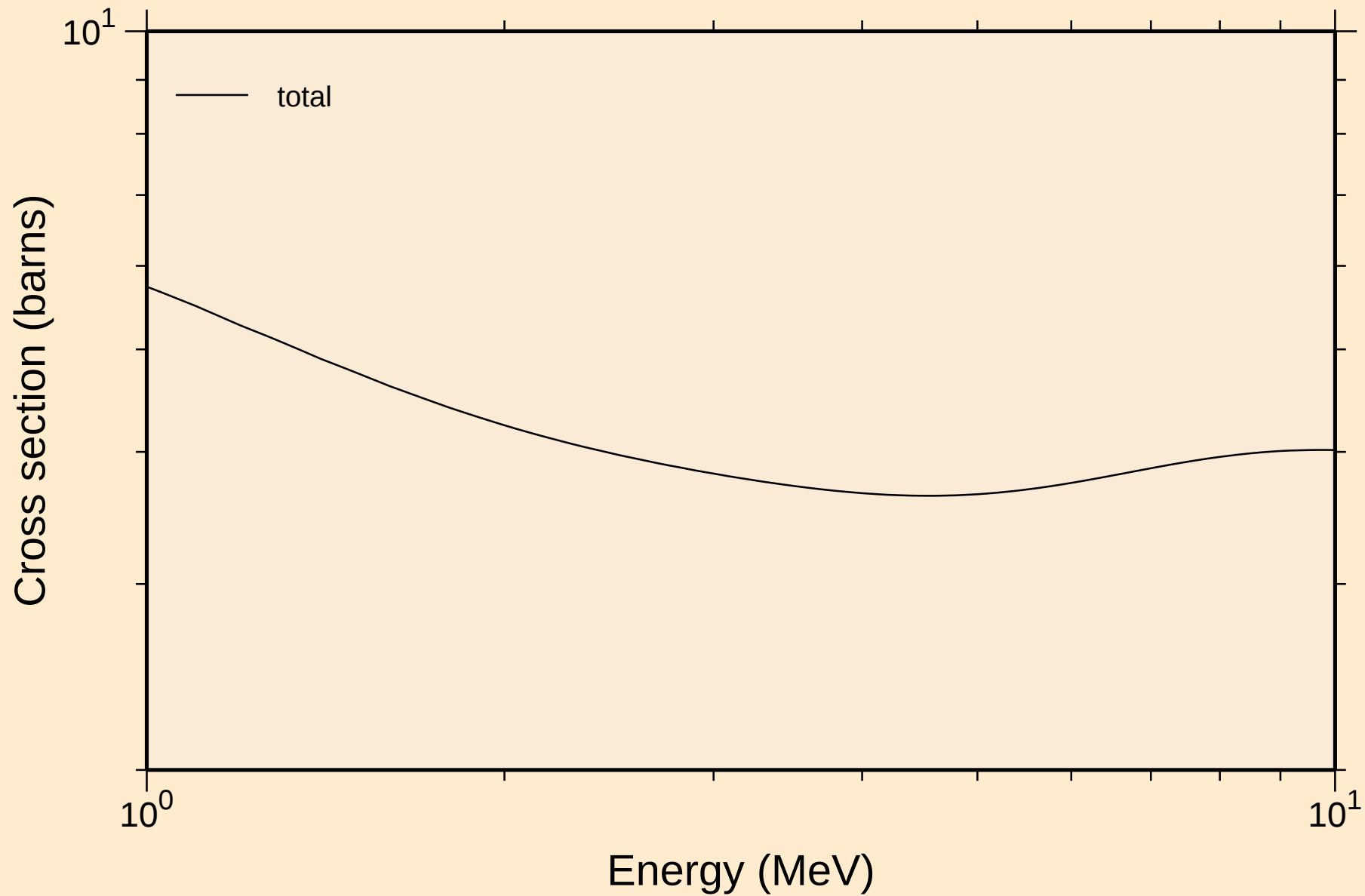
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



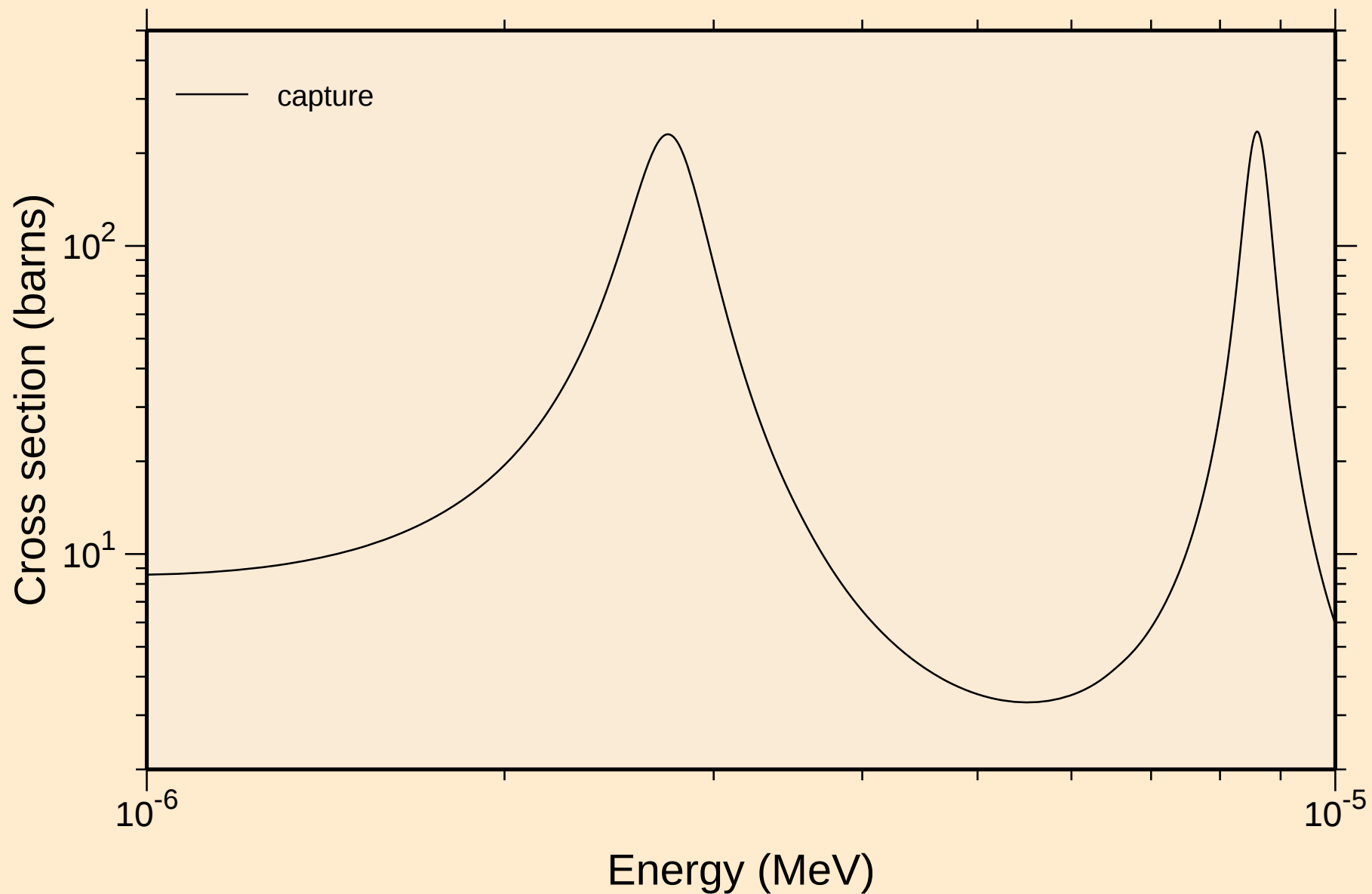
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



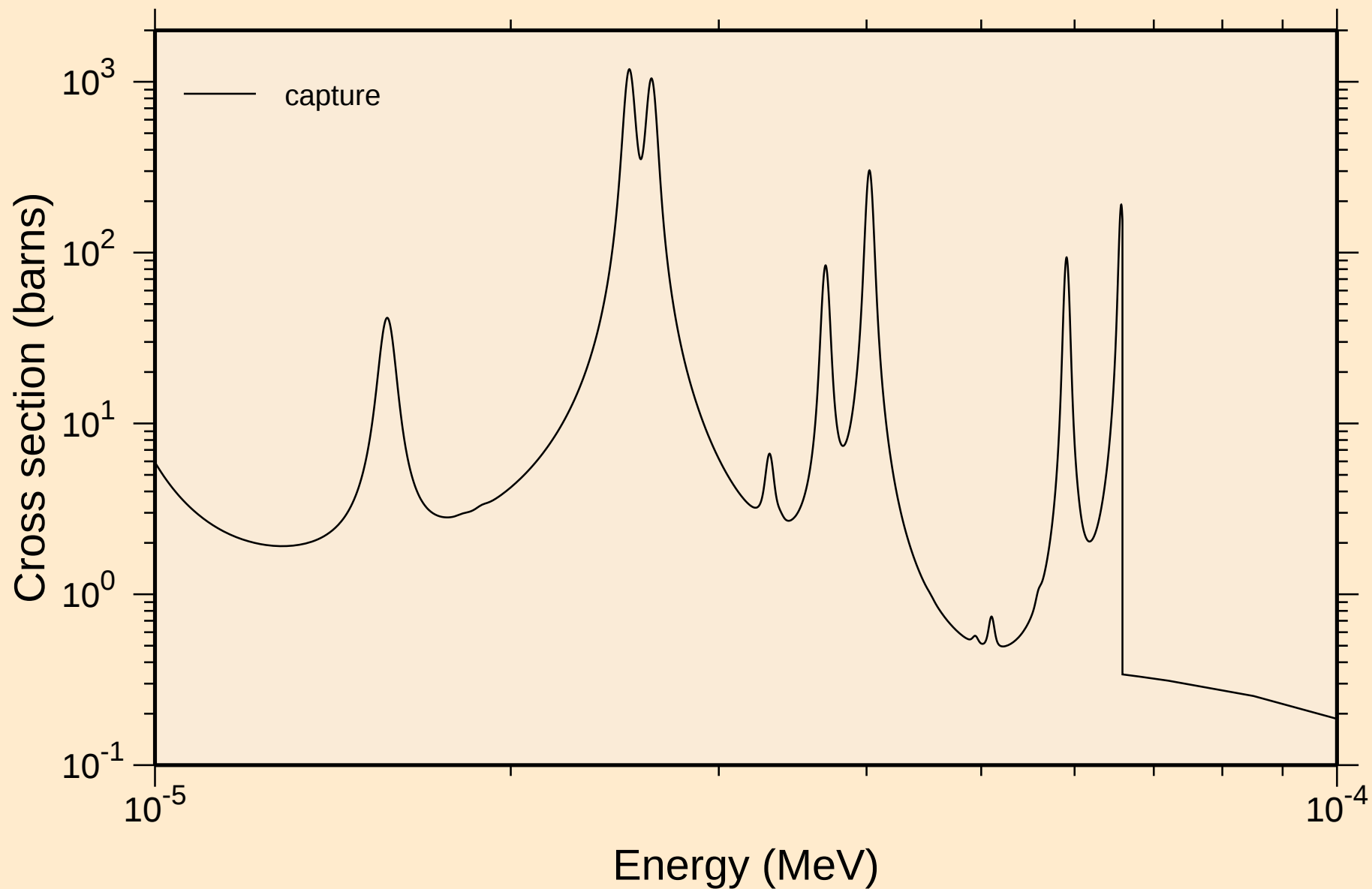
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



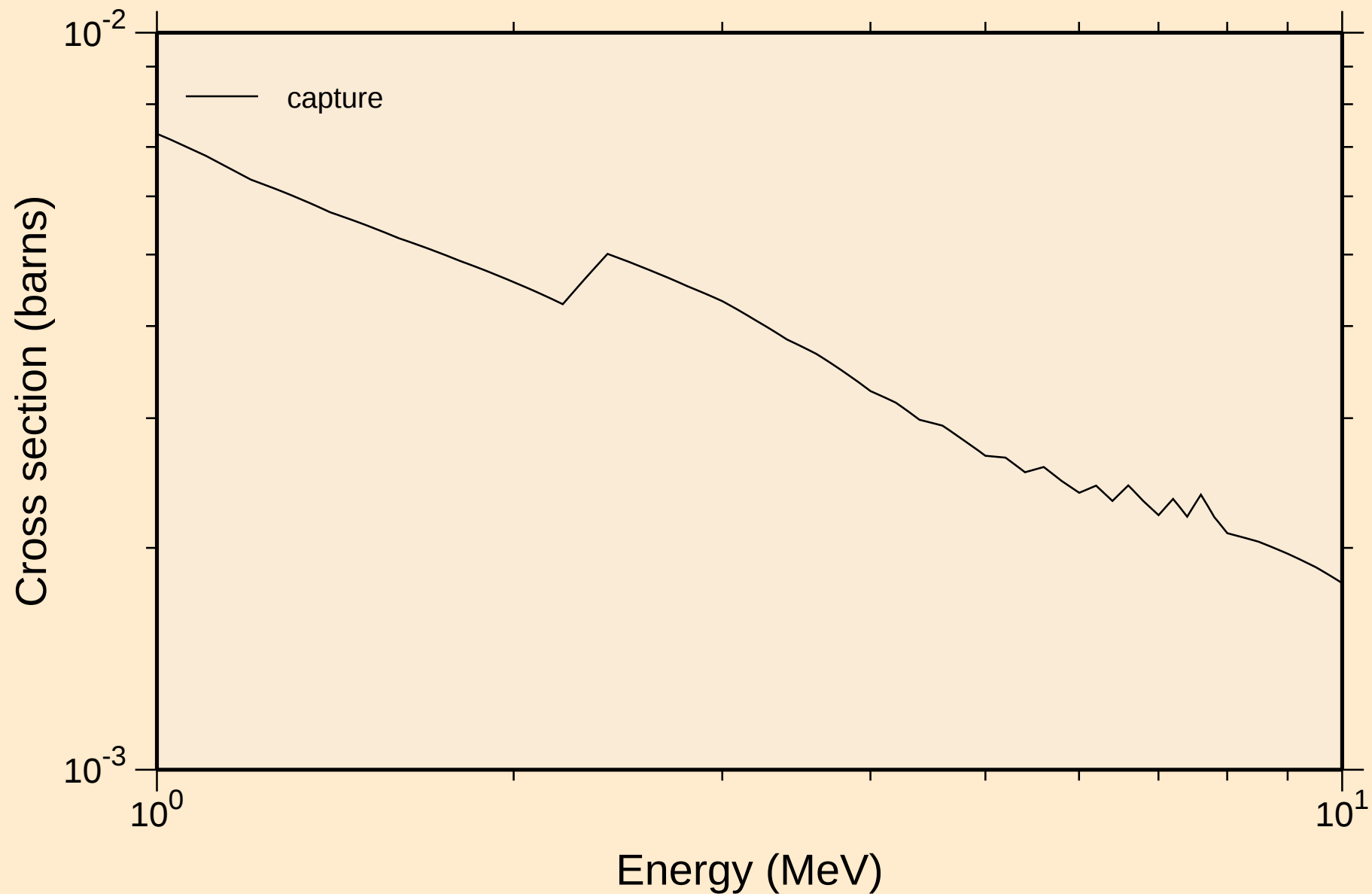
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections

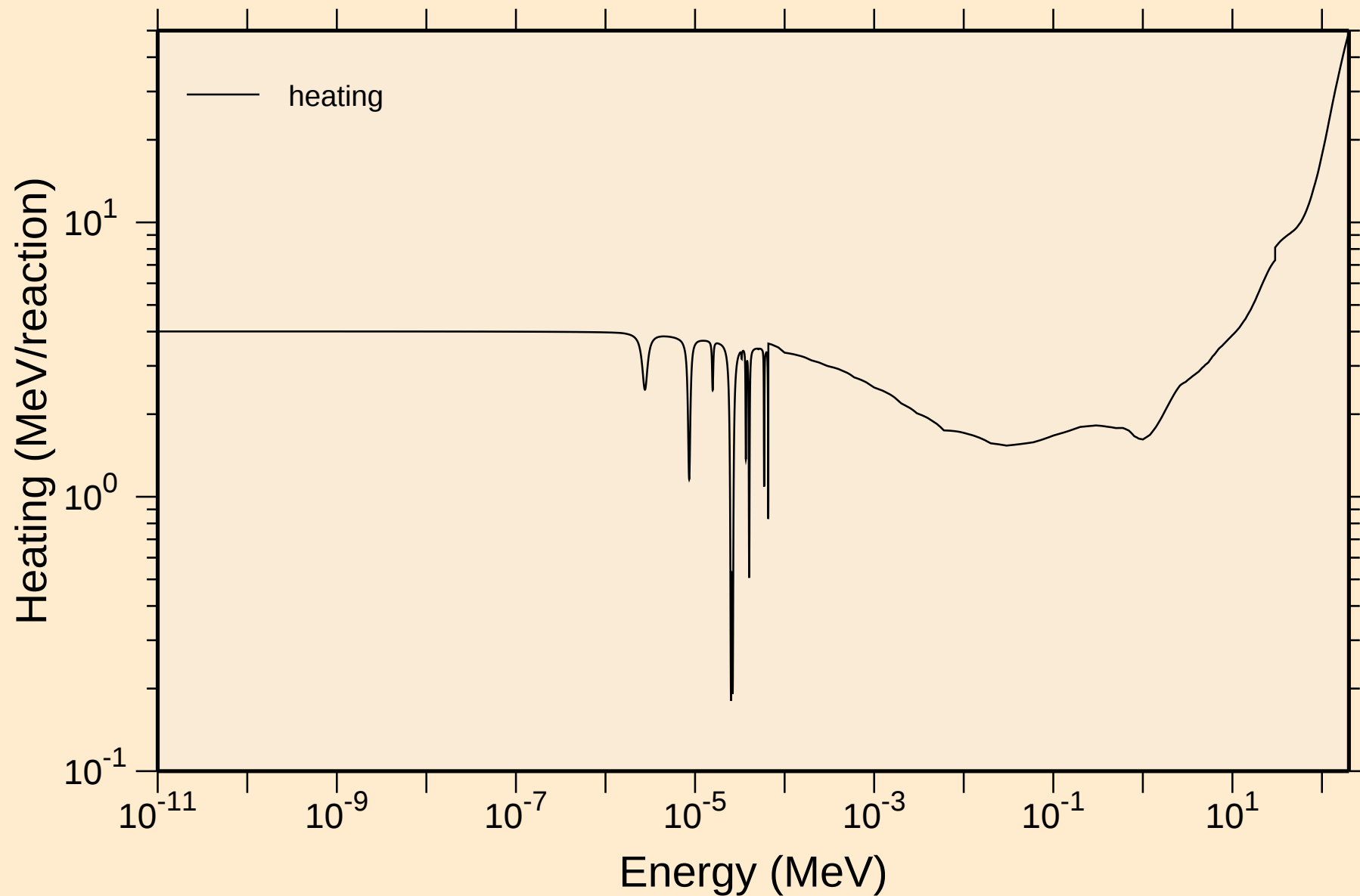


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



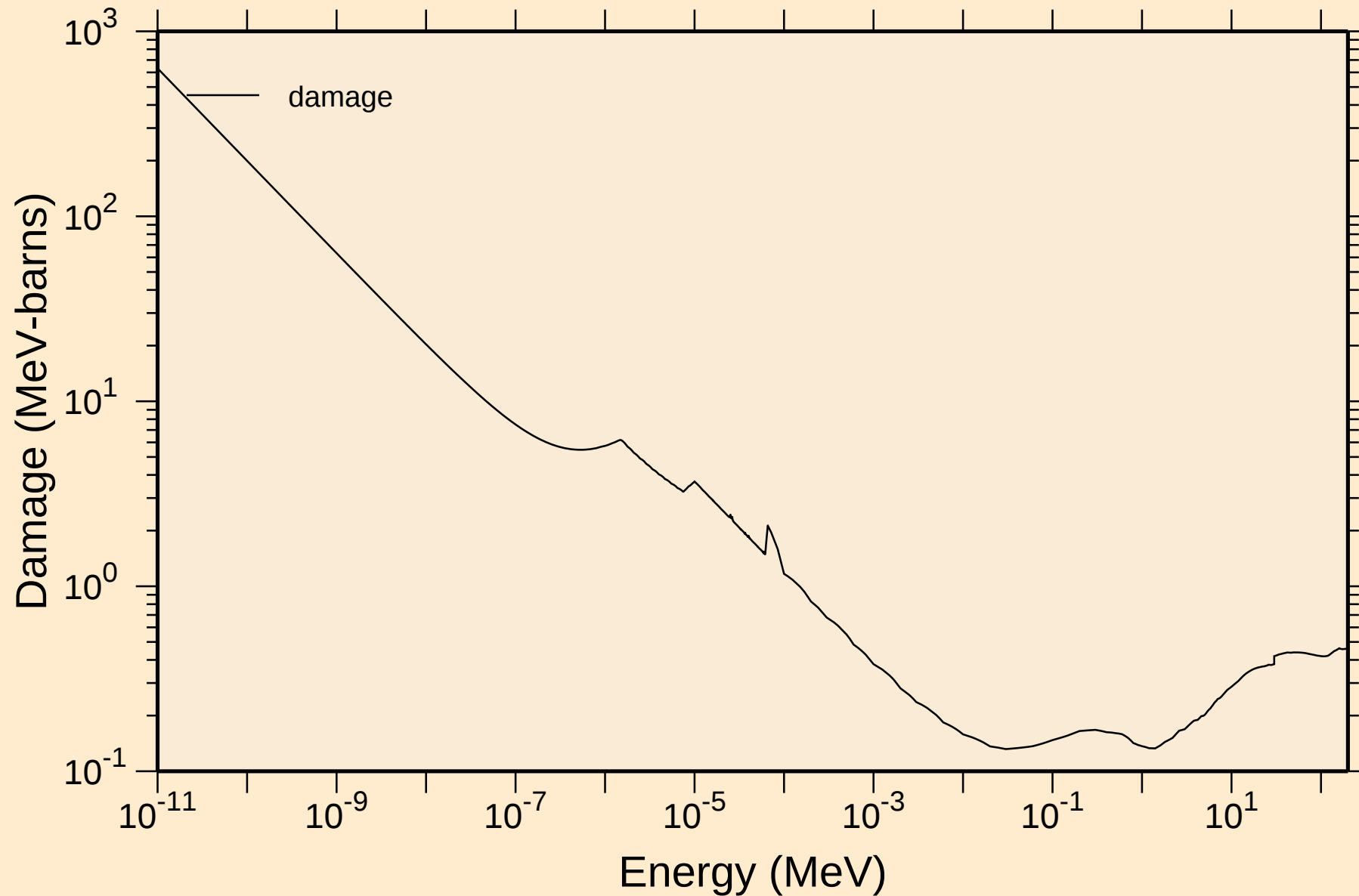
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

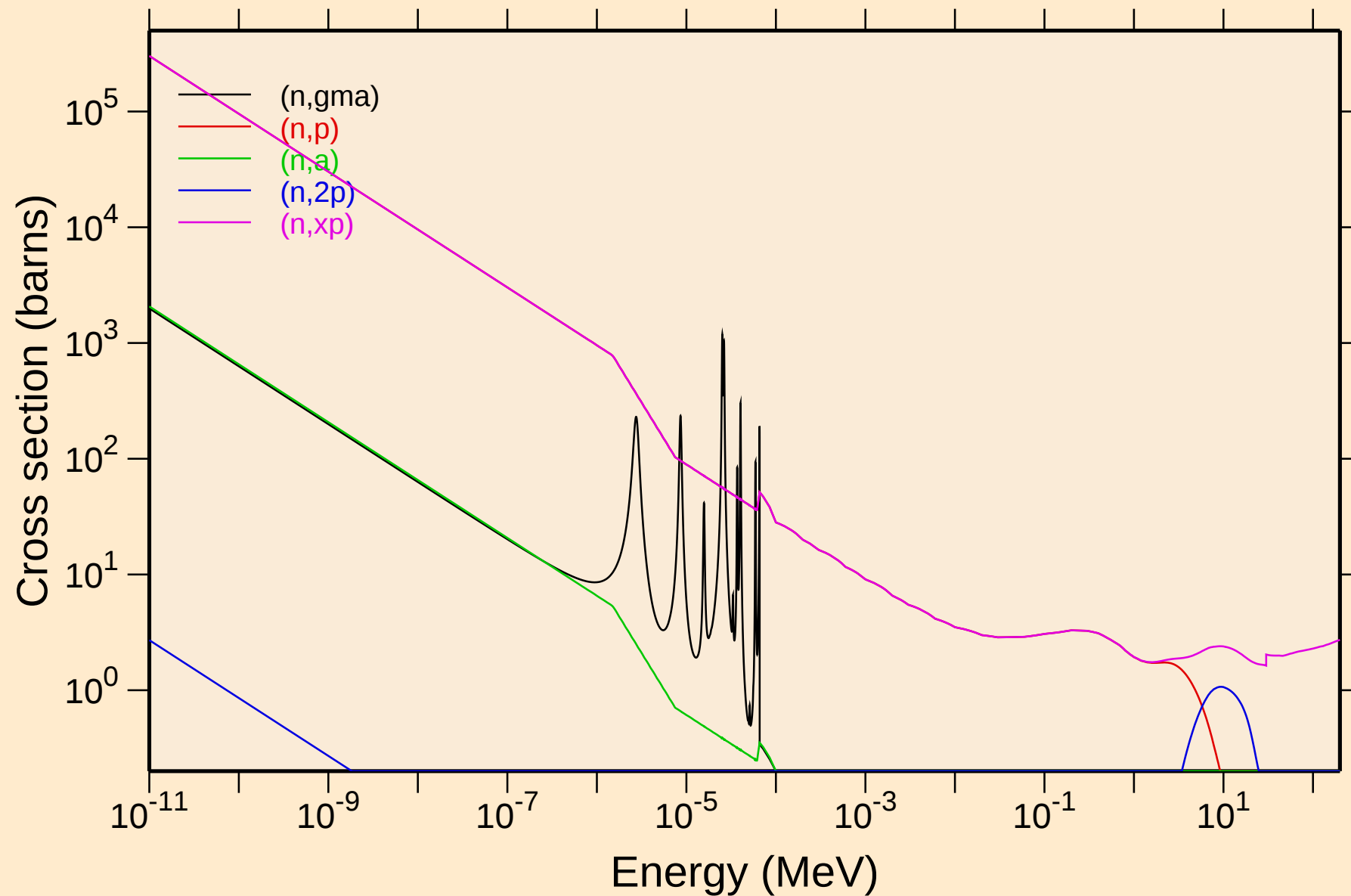


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

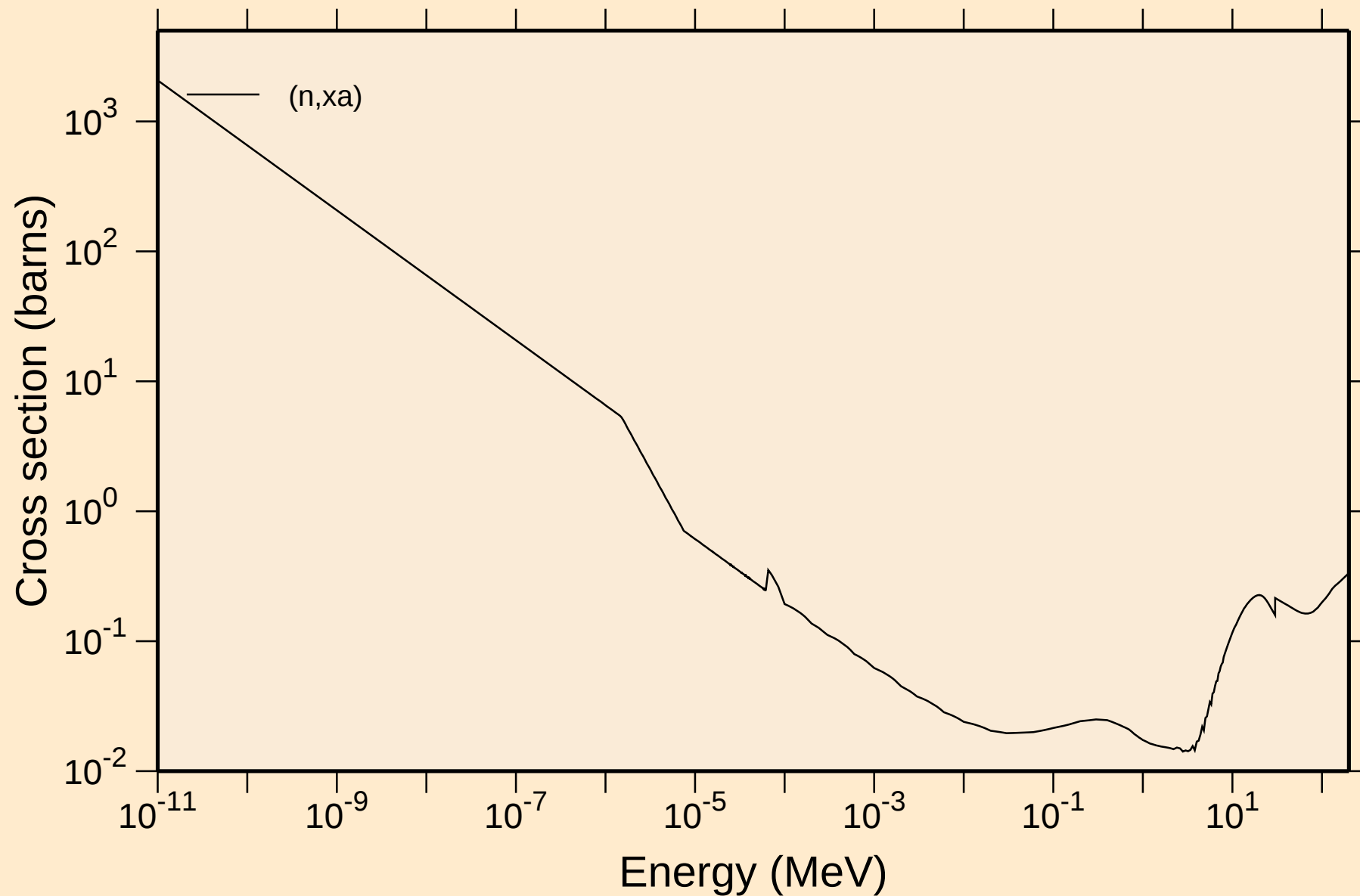
Damage



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions

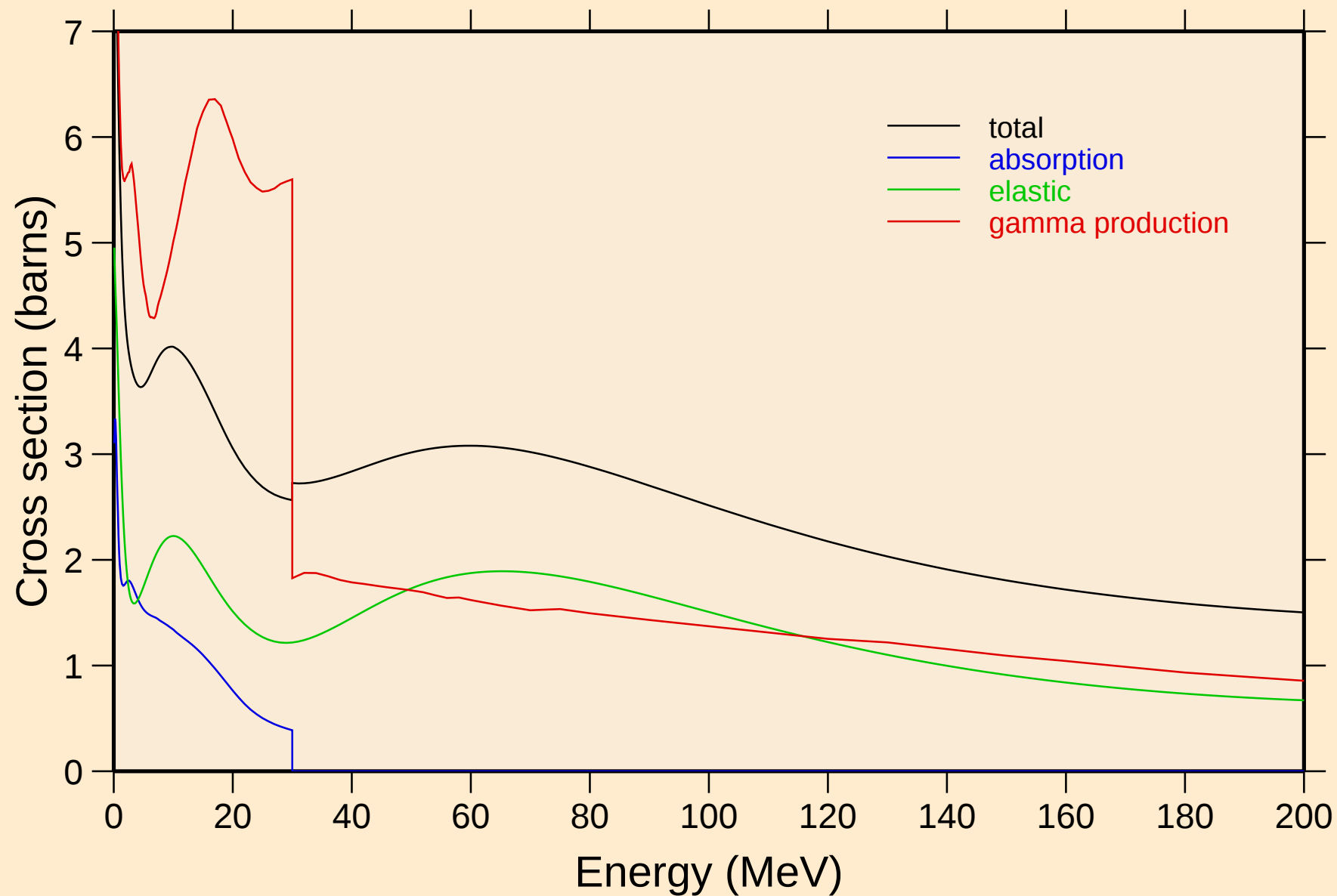


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



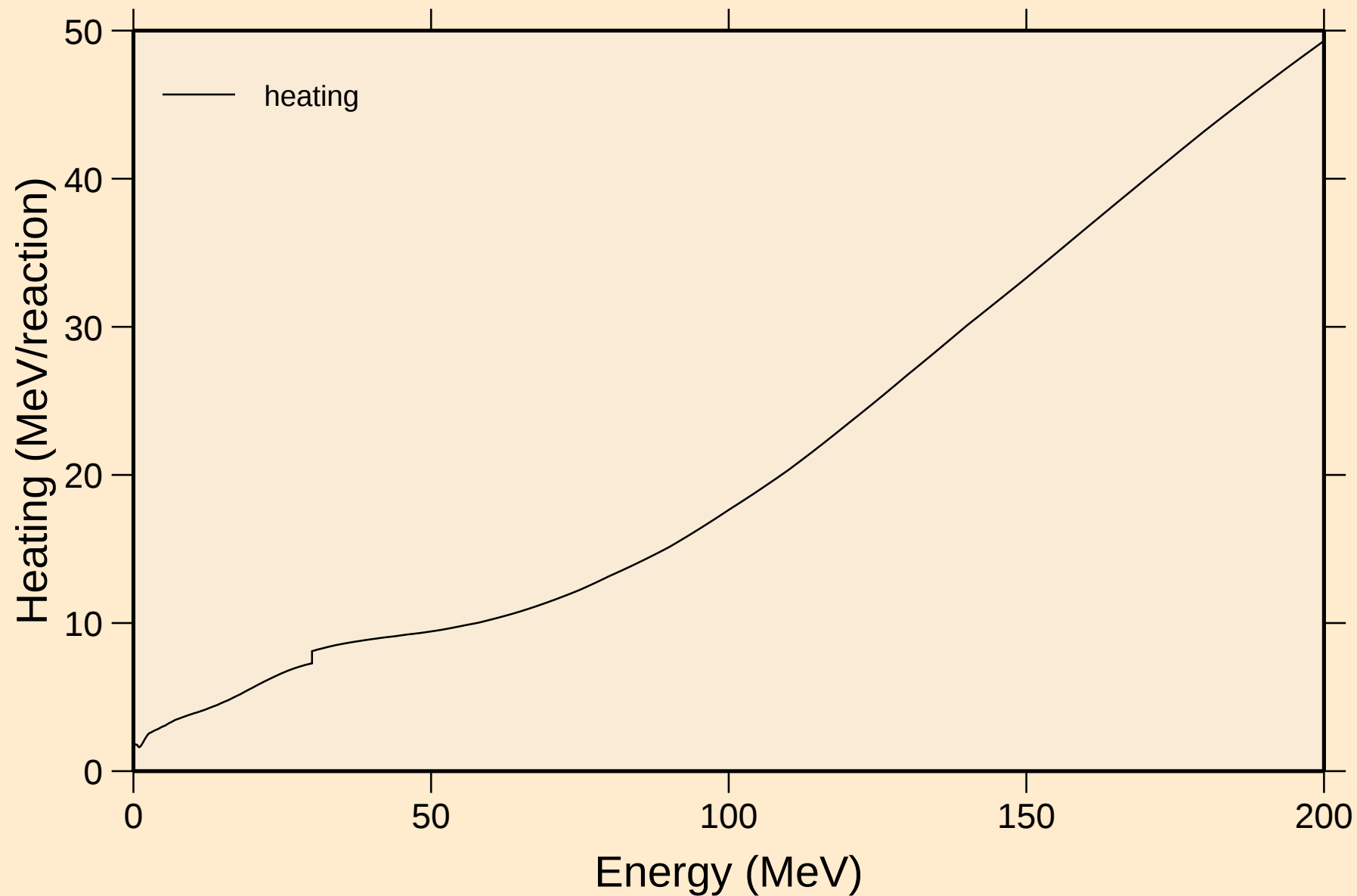
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Principal cross sections



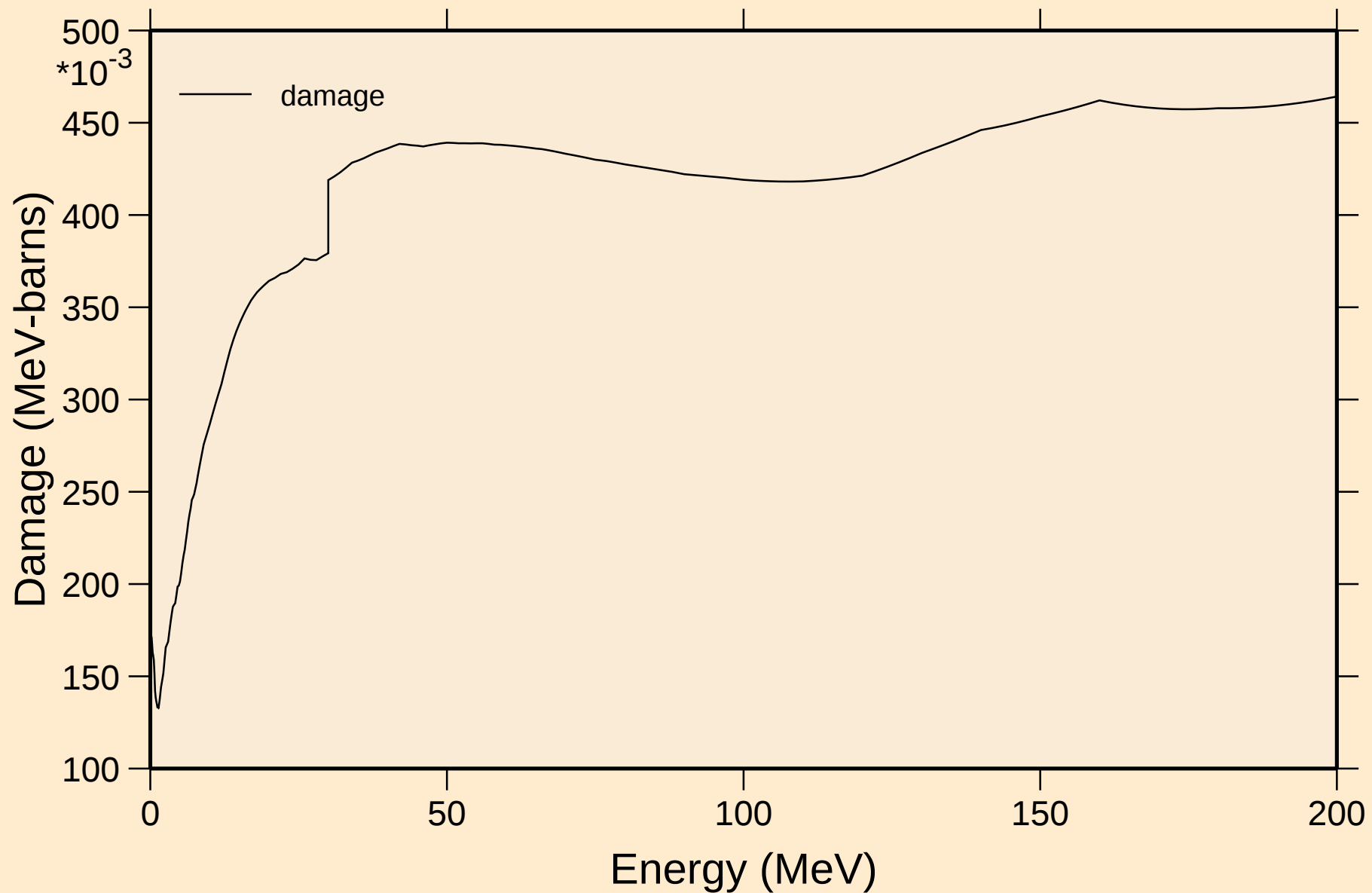
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

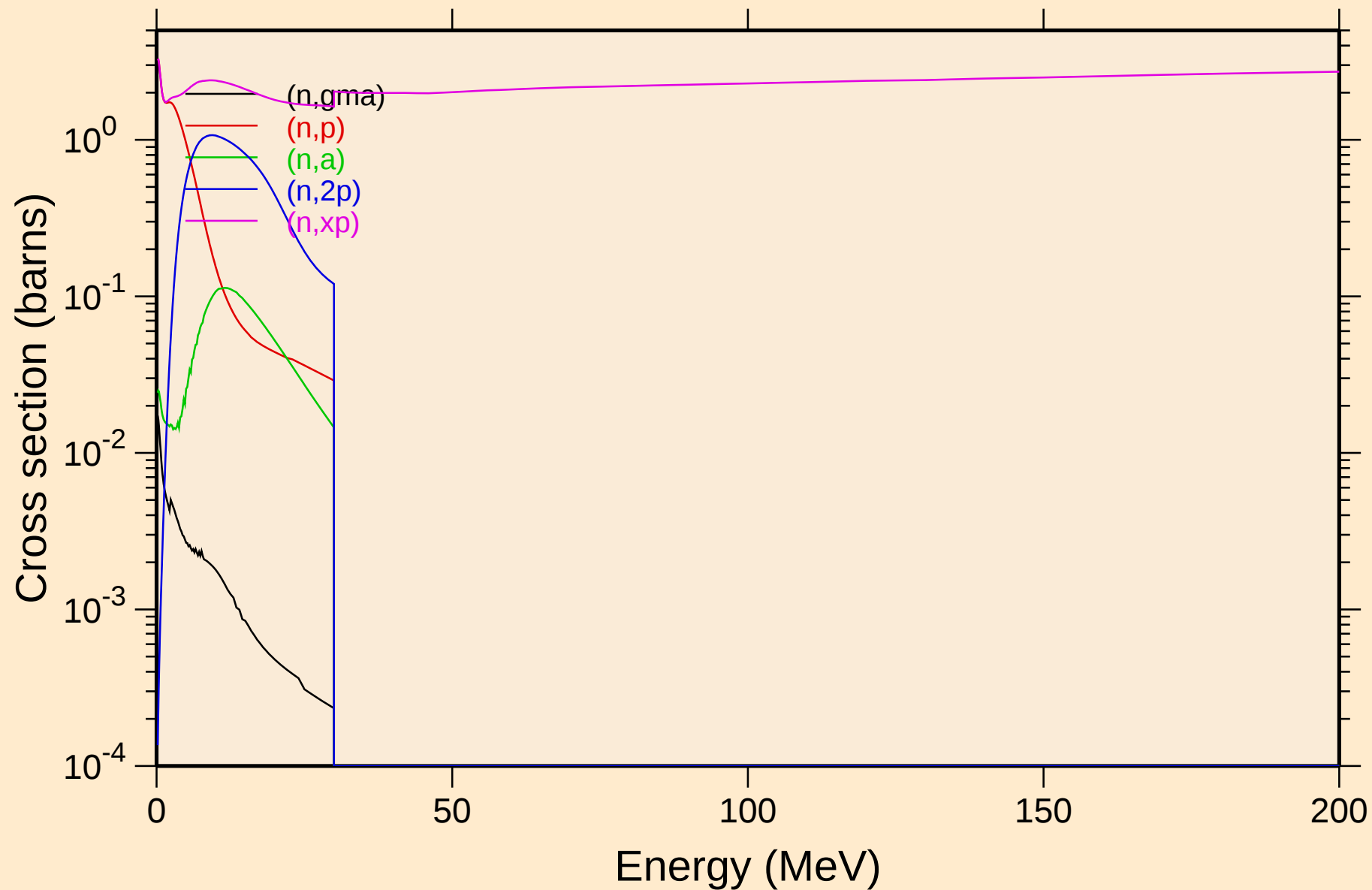


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

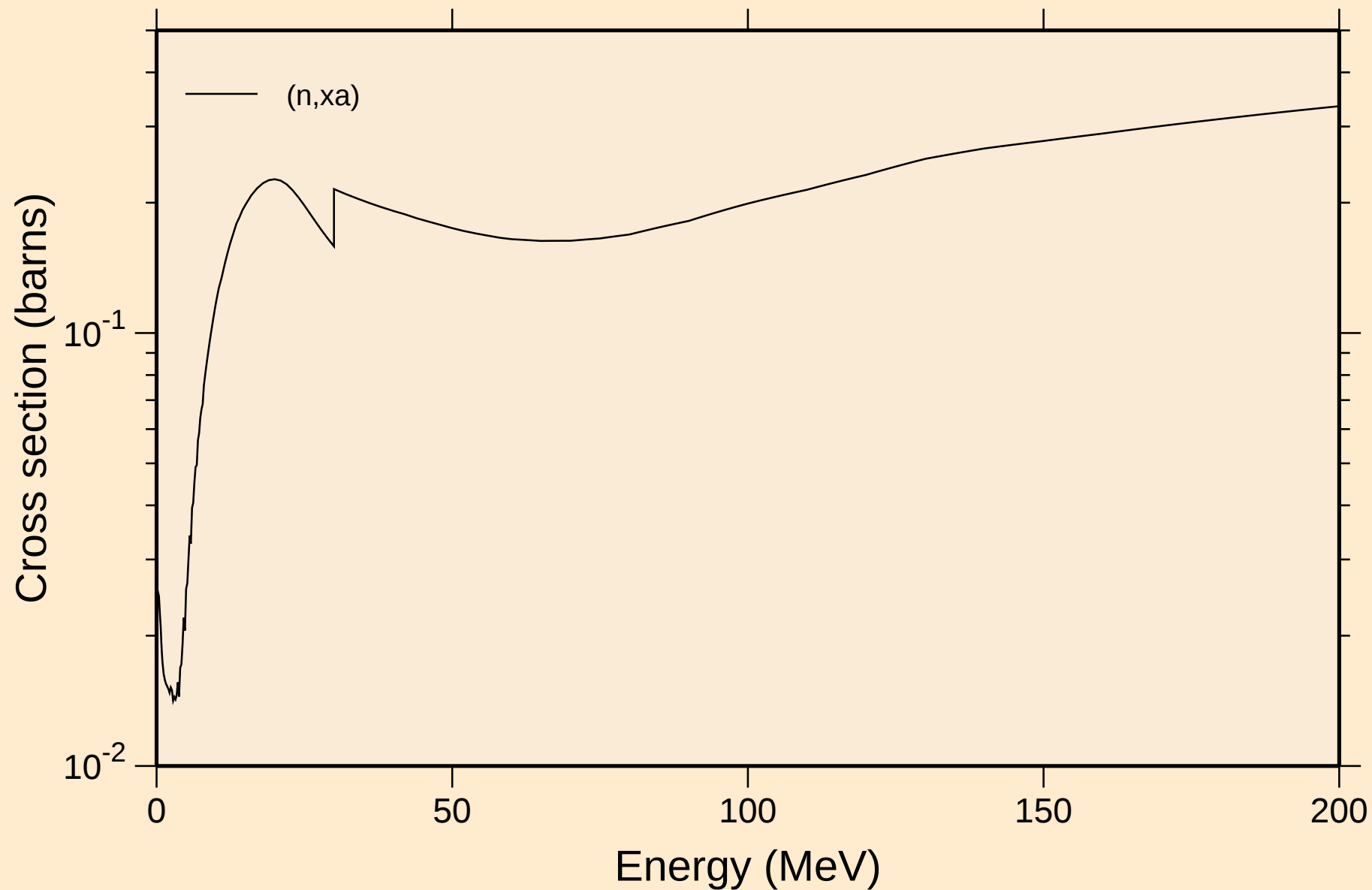


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



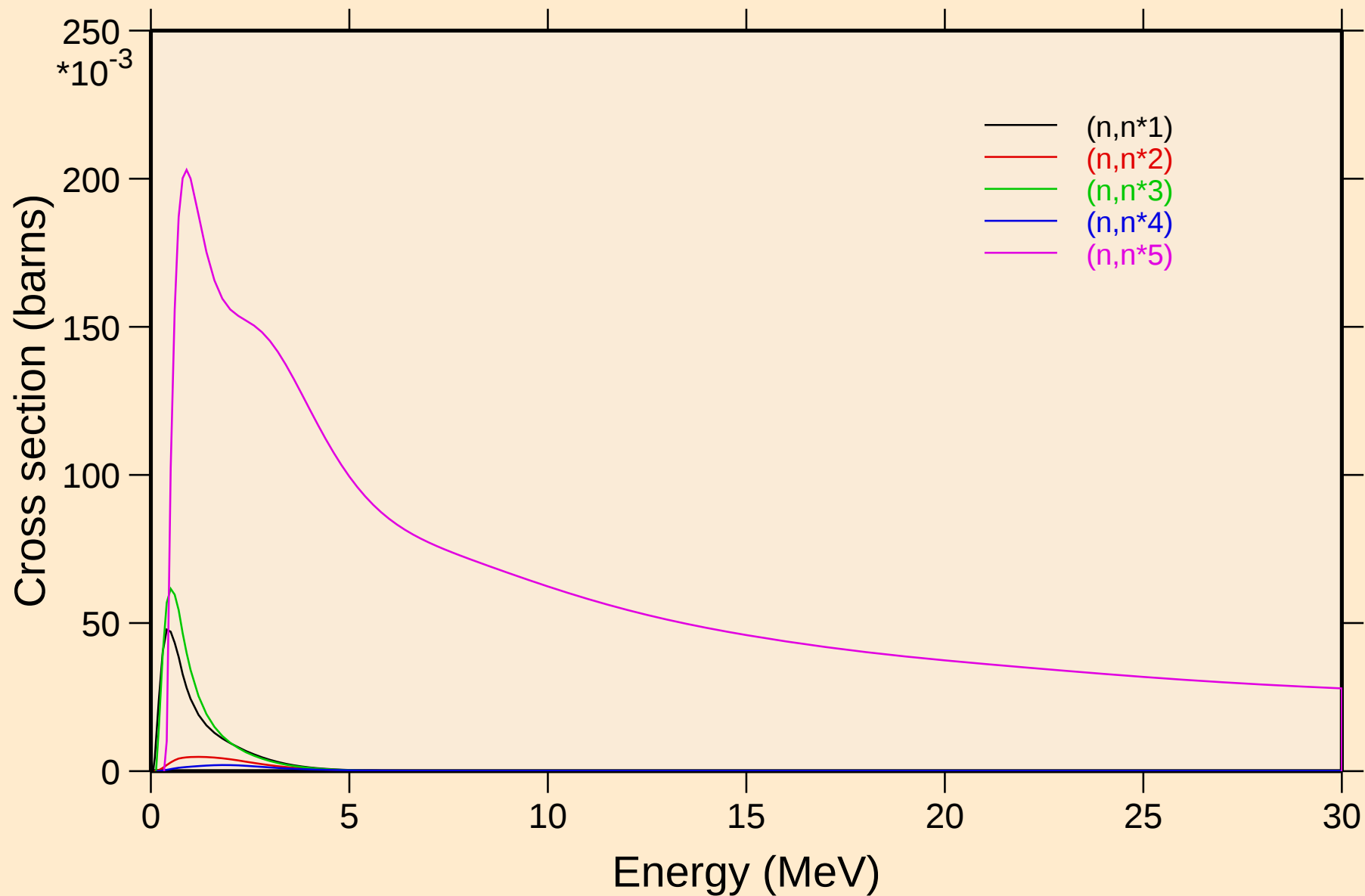
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Non-threshold reactions



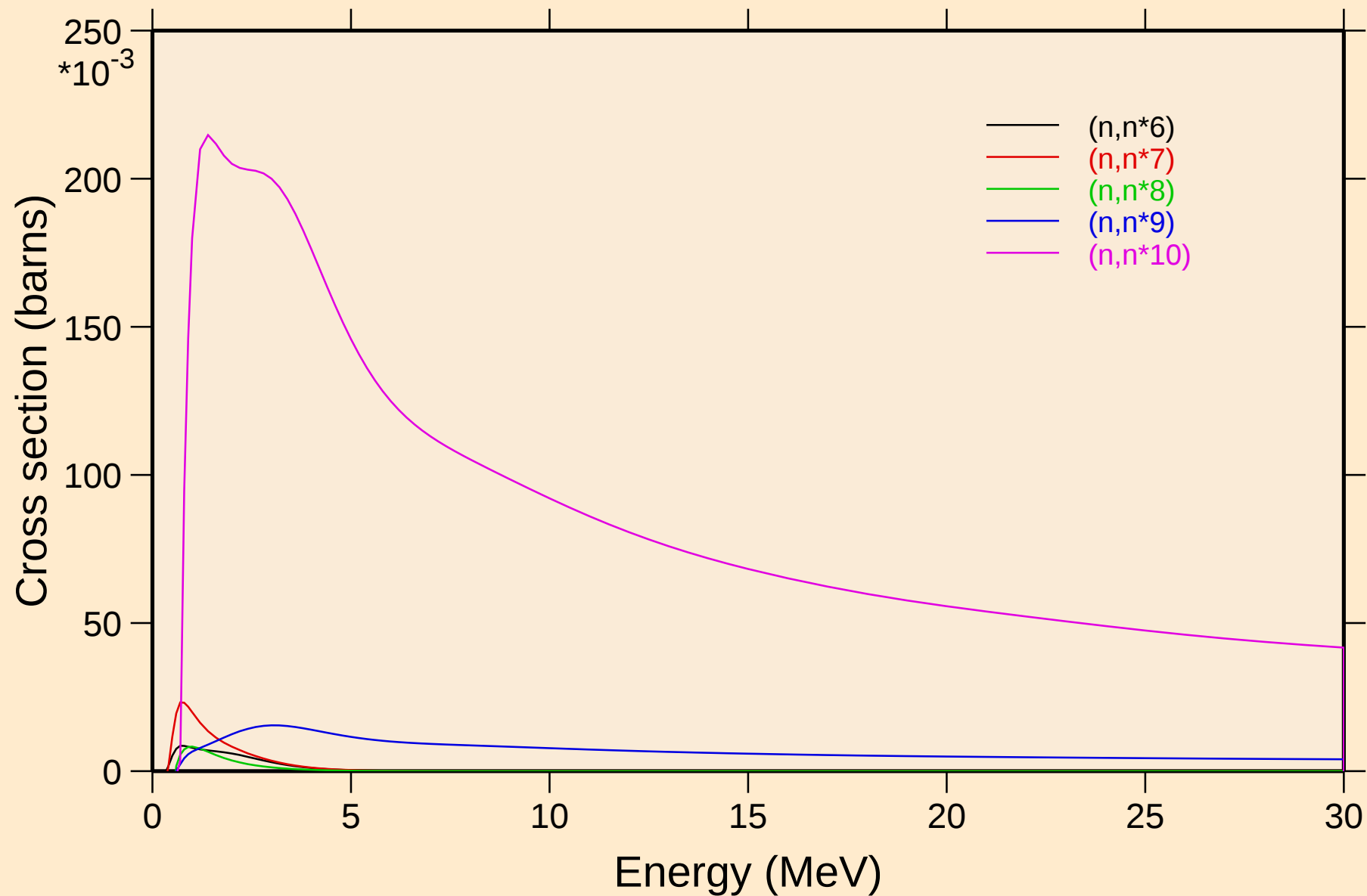
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels



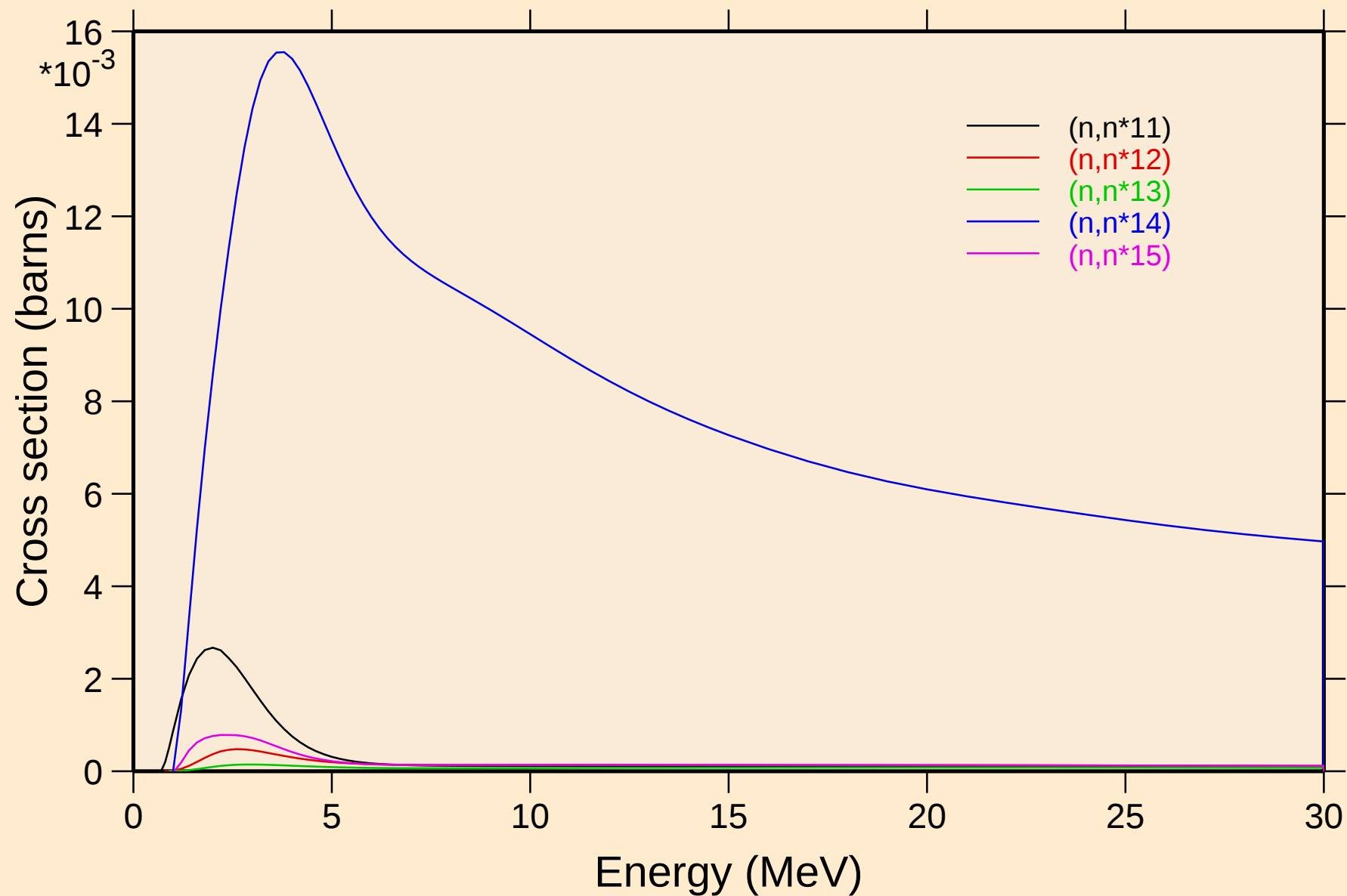
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels



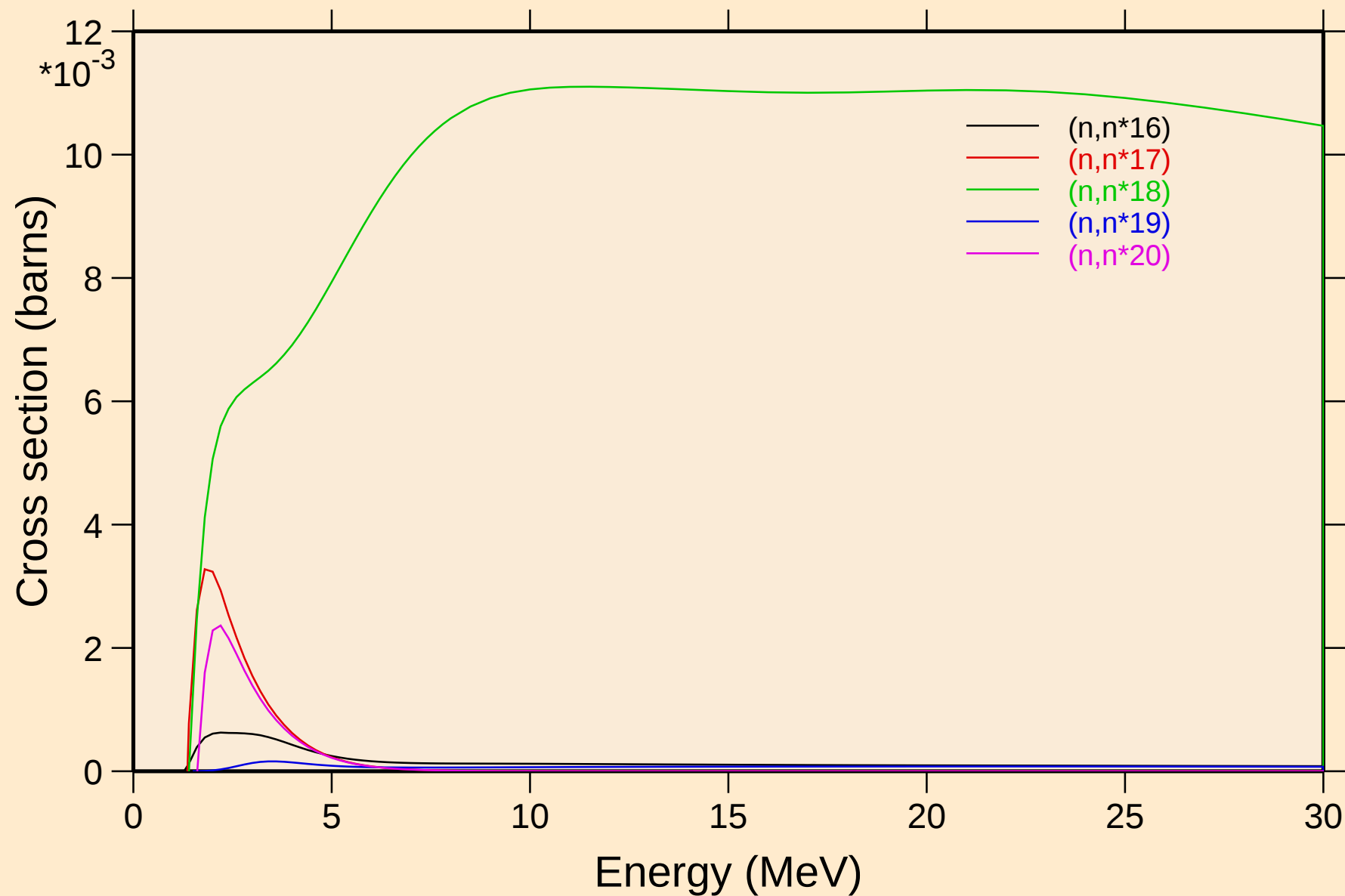
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels

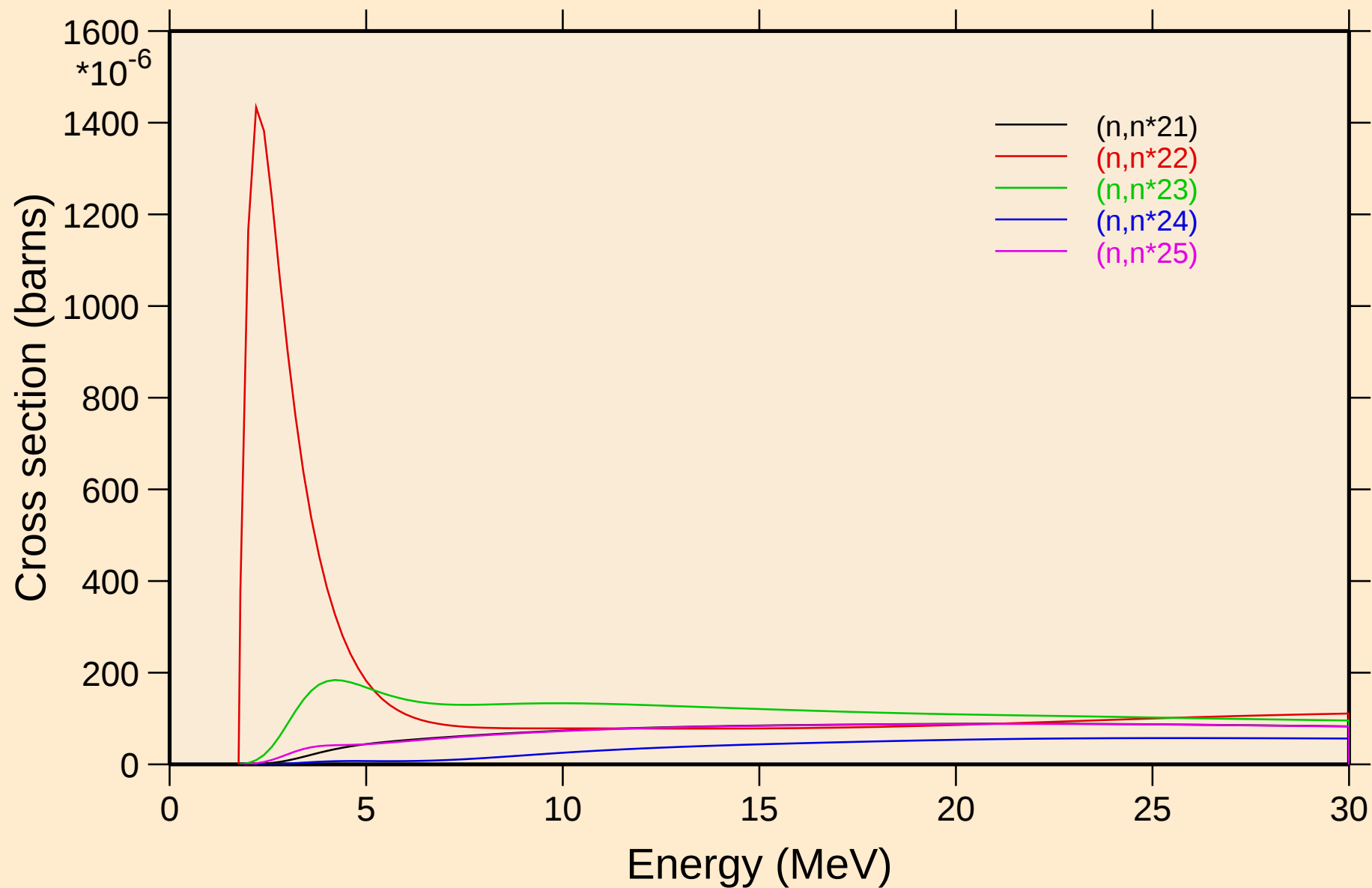


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels

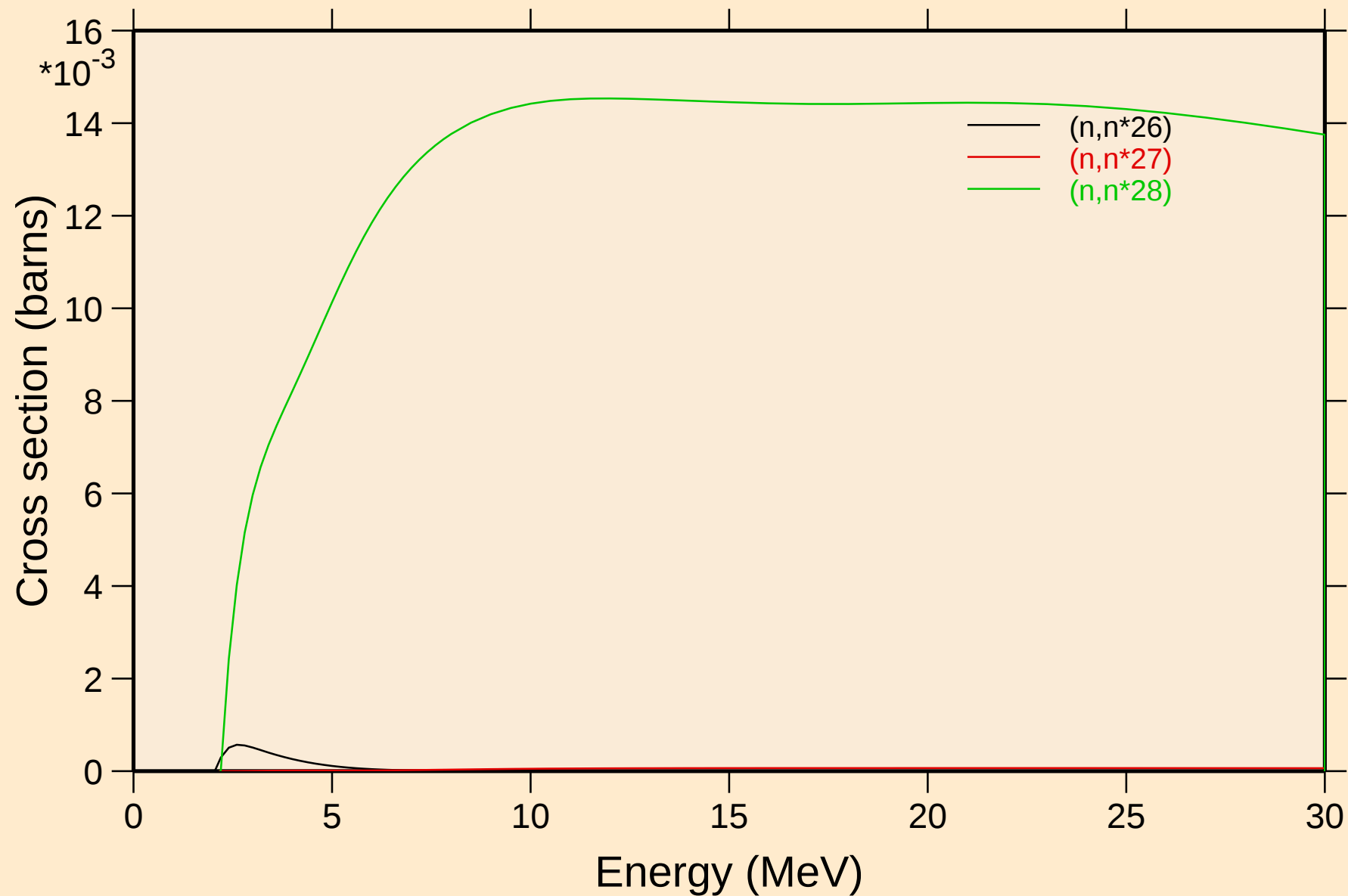


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels



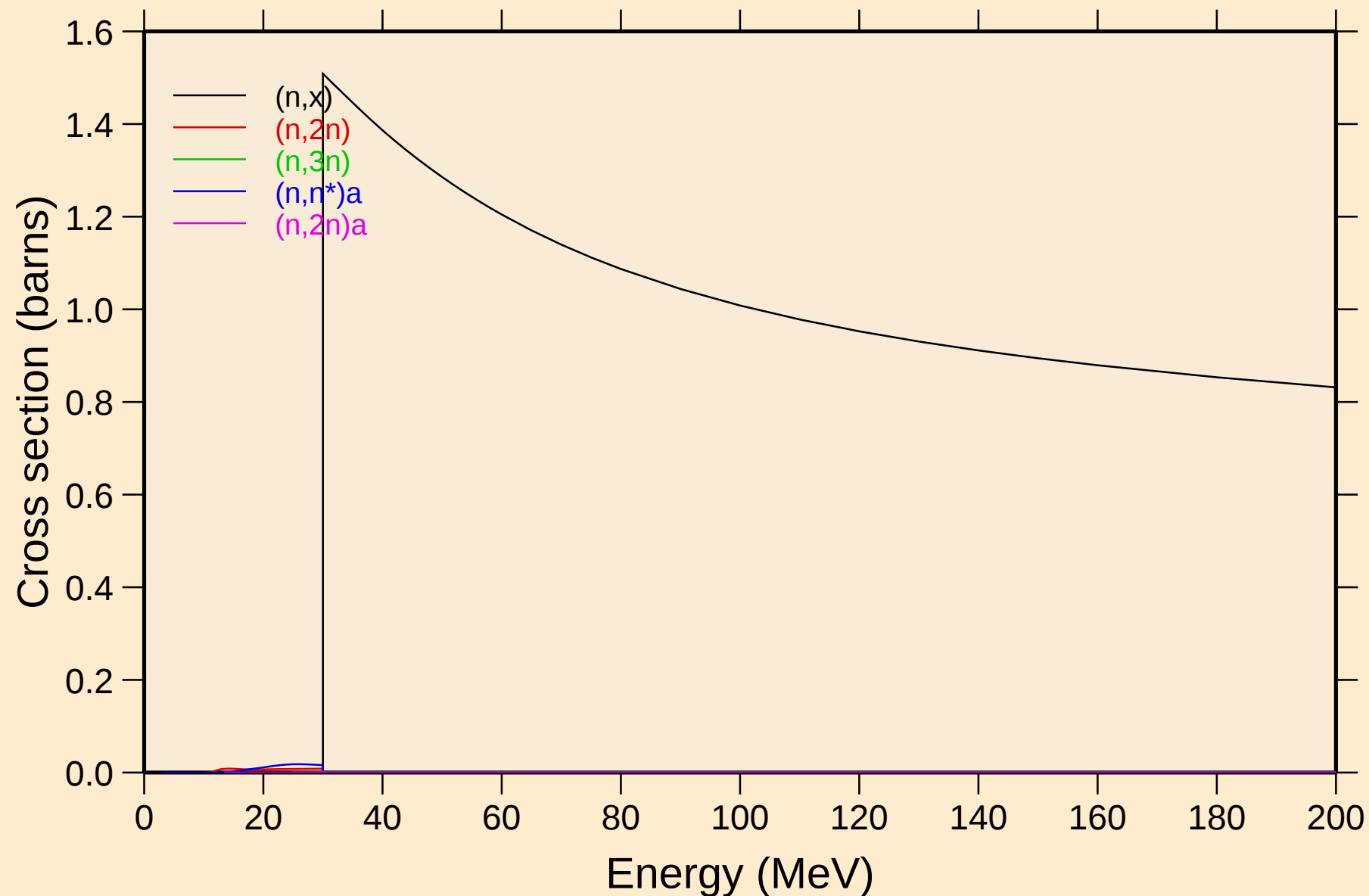
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels



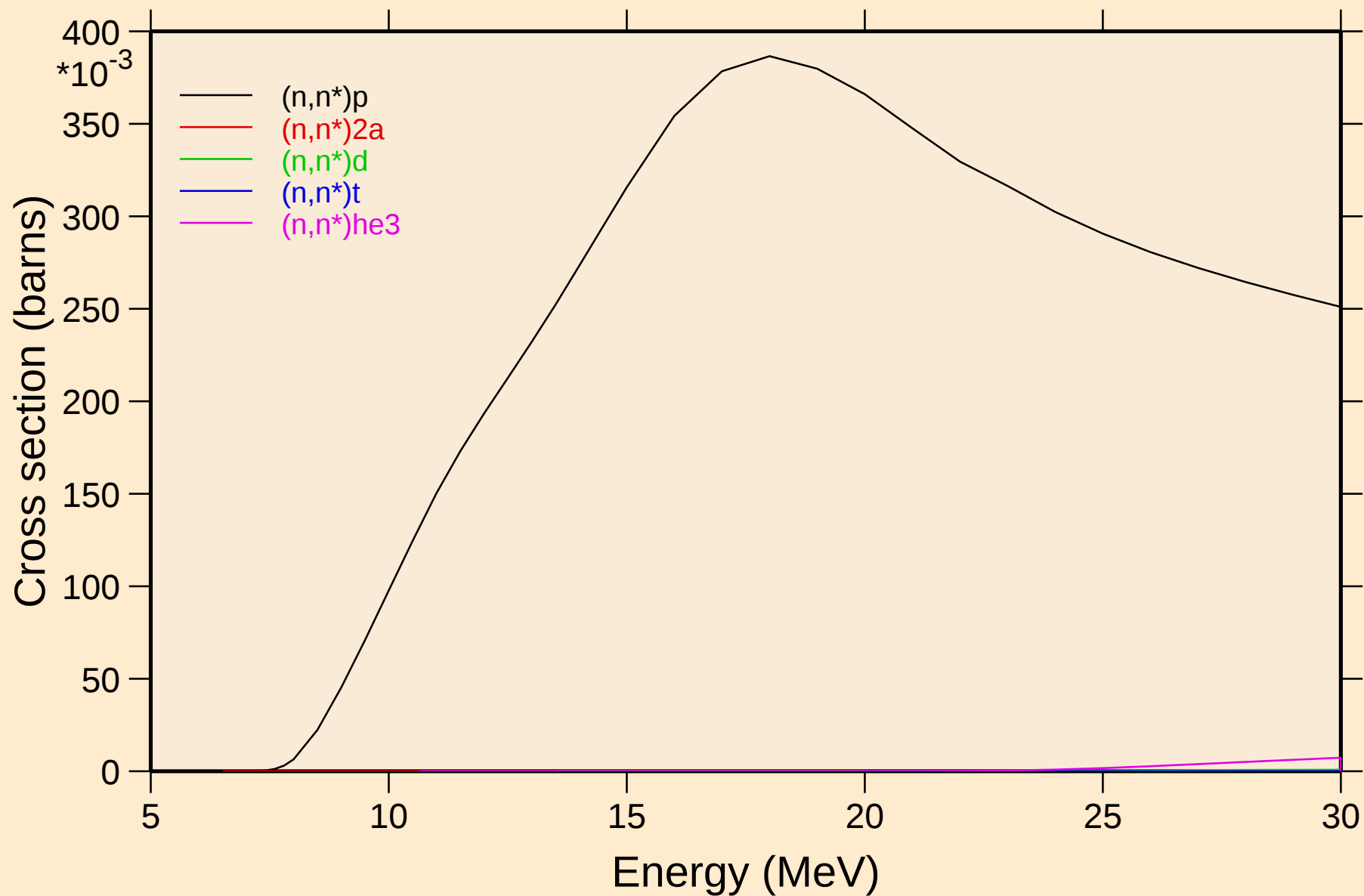
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

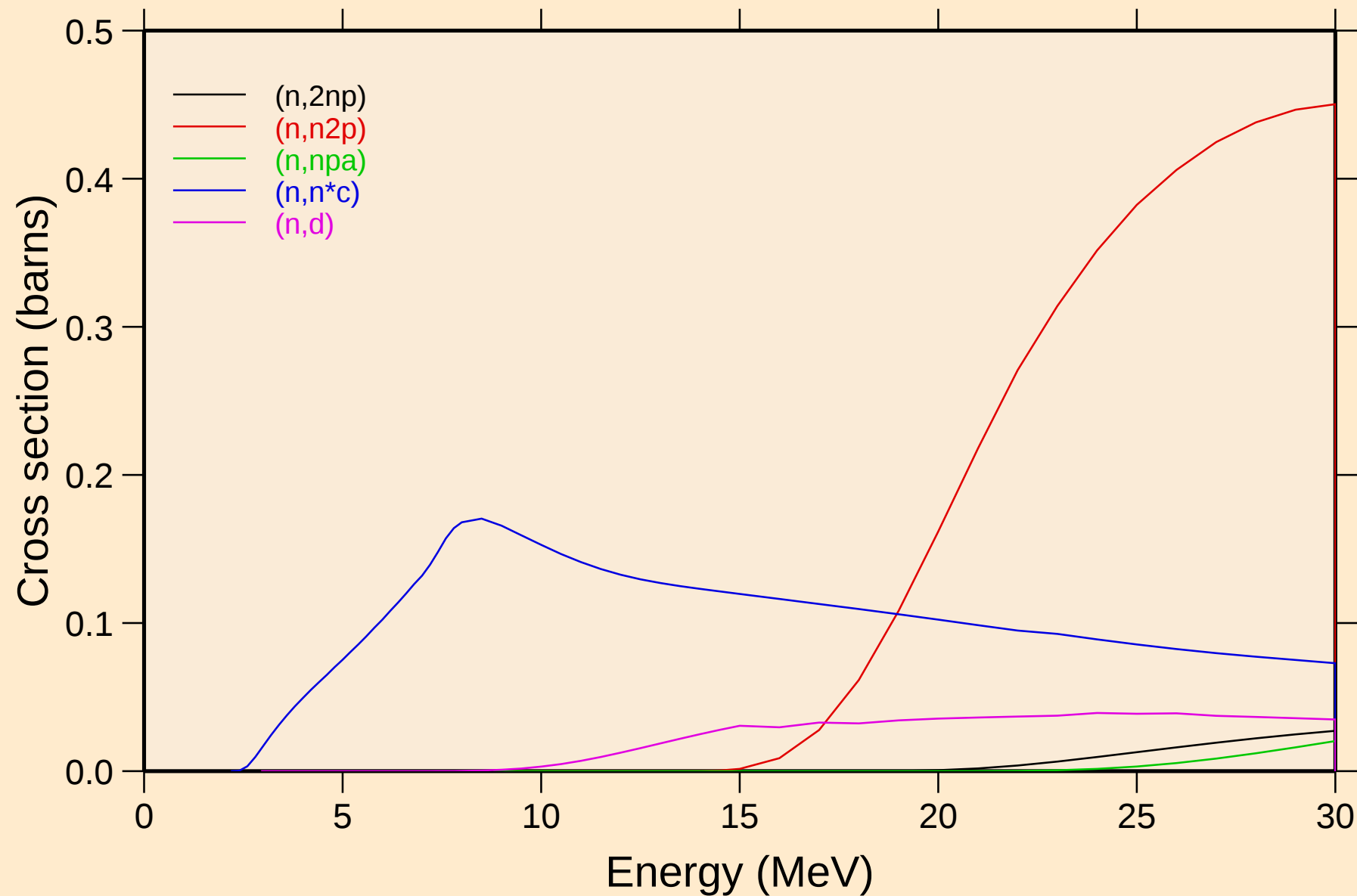


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

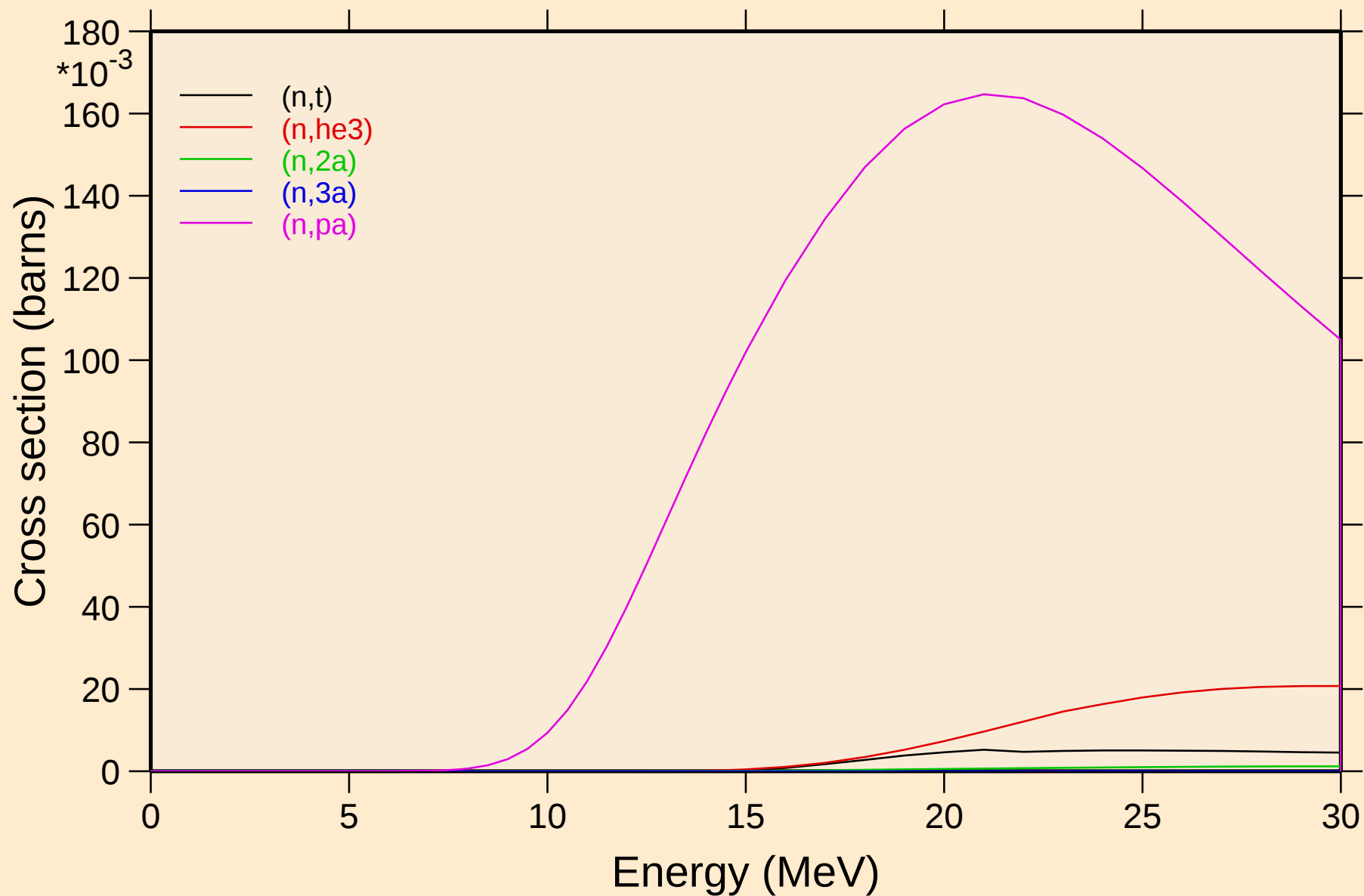
Threshold reactions



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions

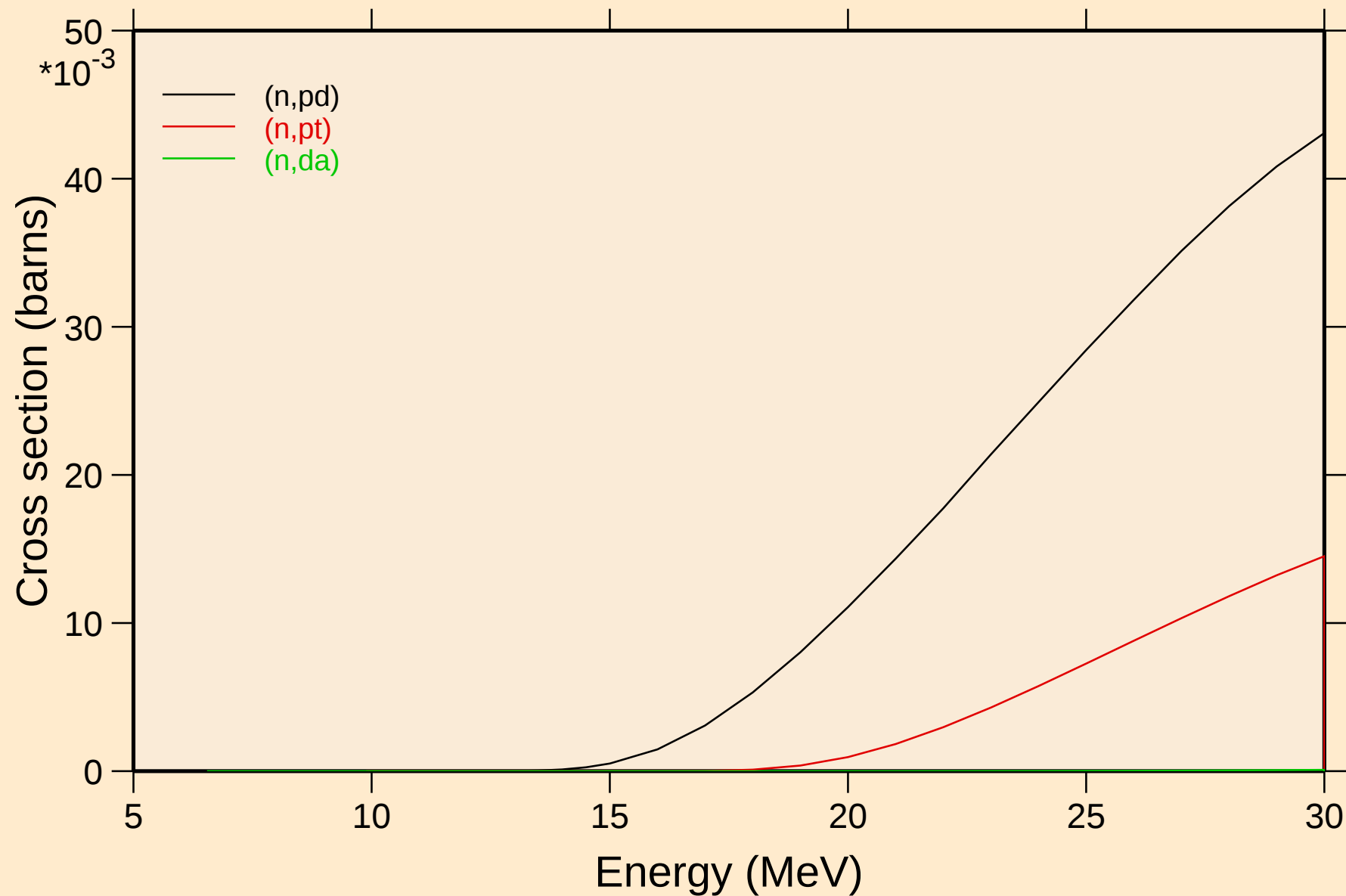


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions

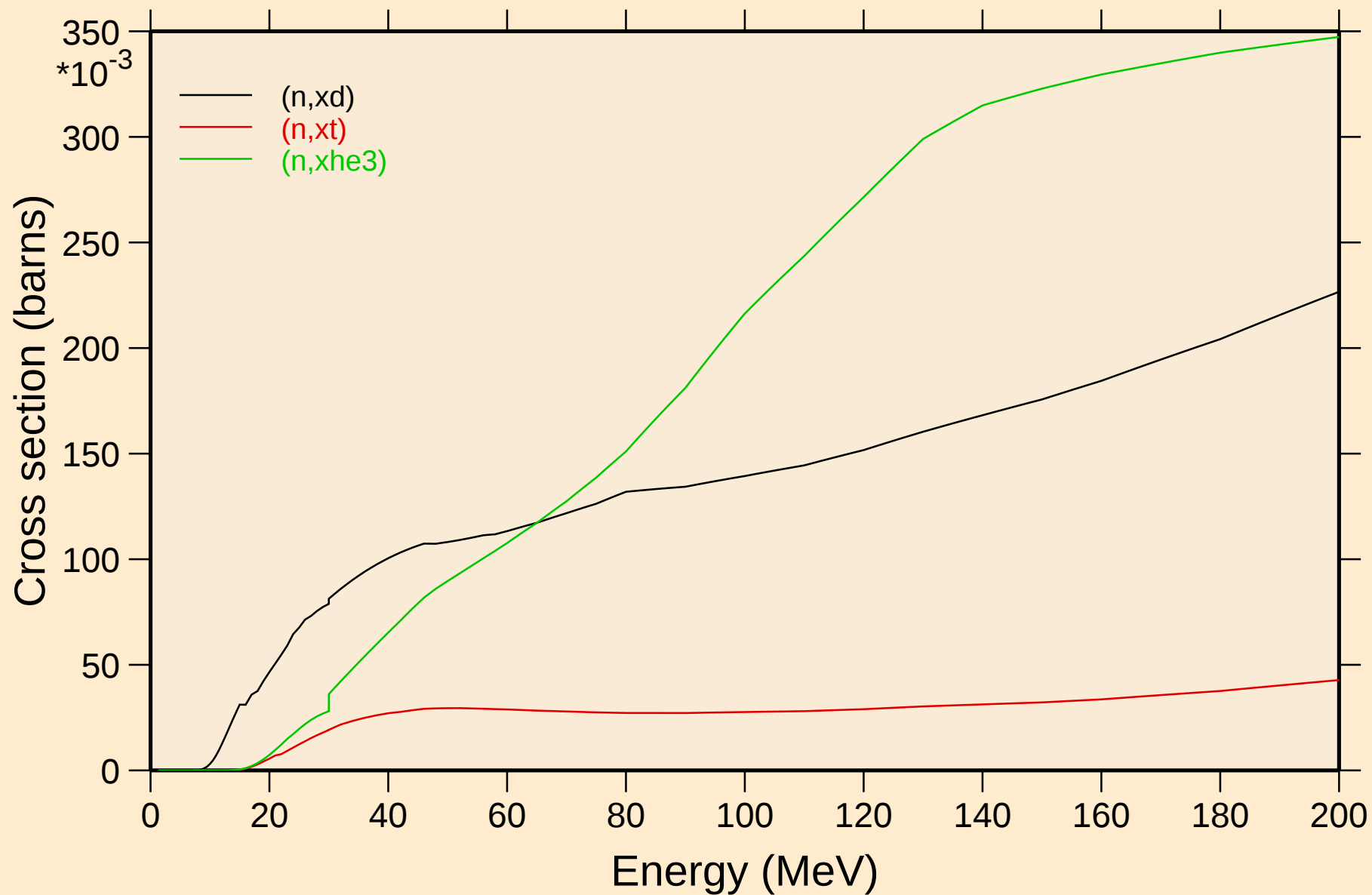


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

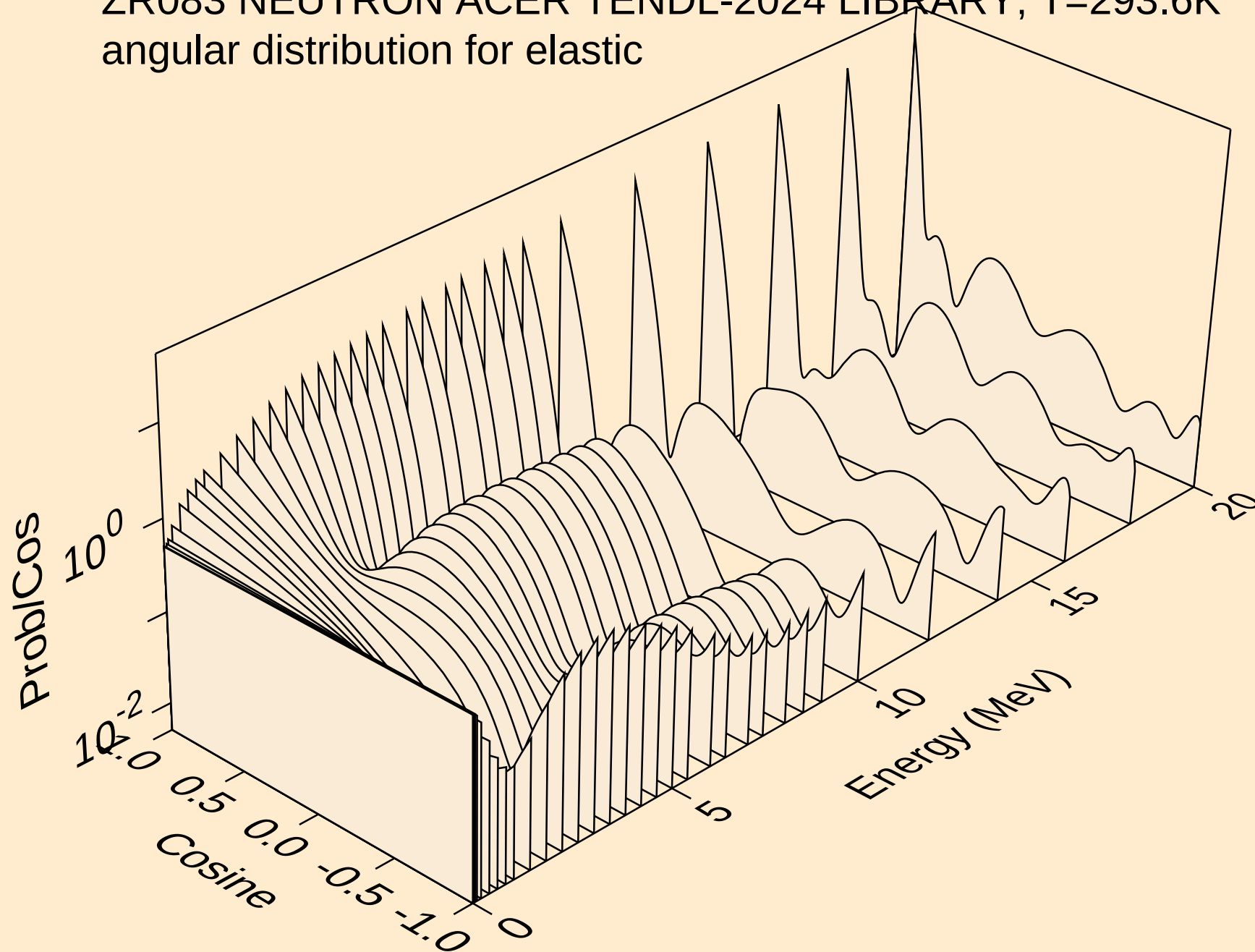
Threshold reactions



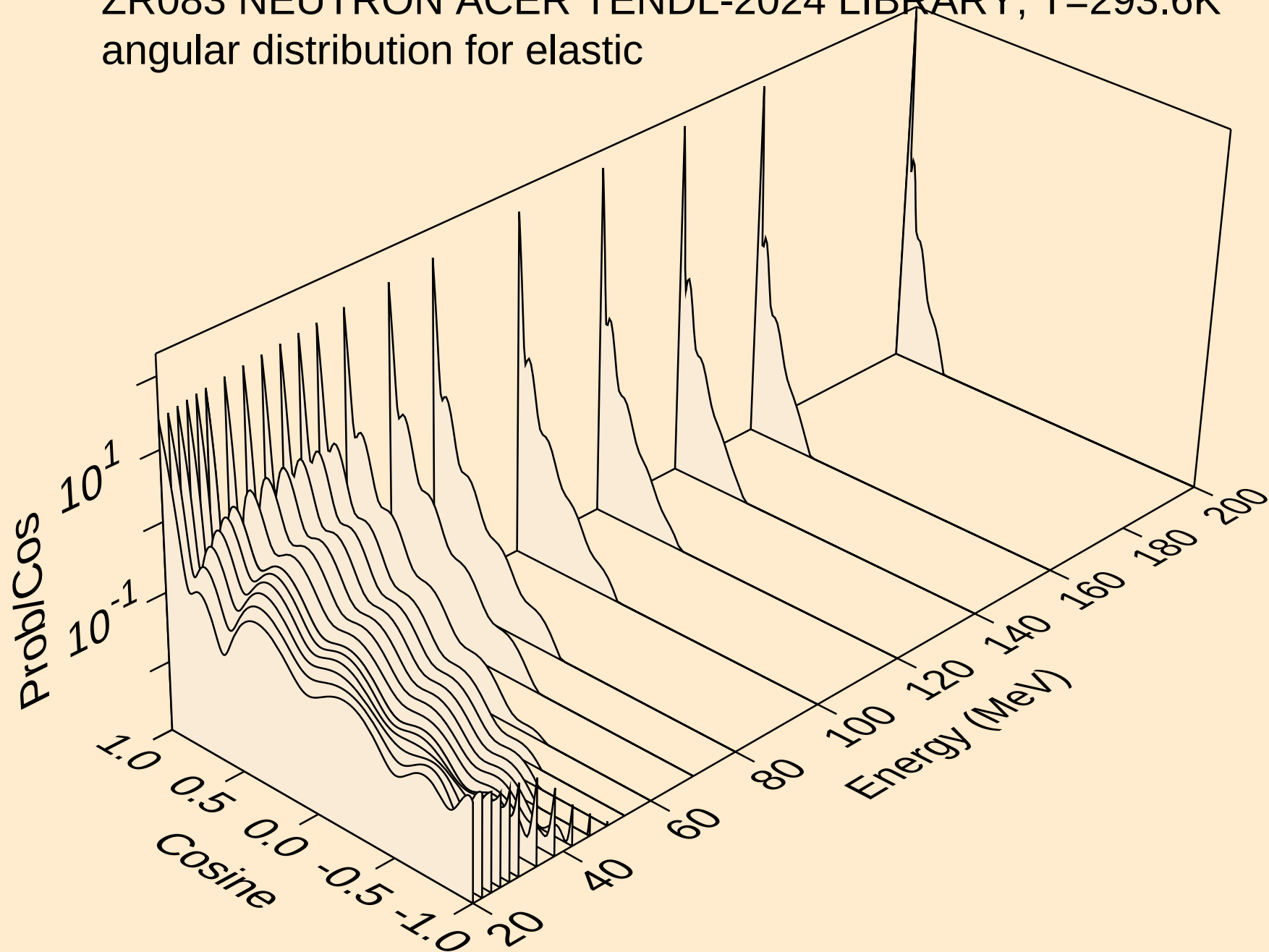
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions



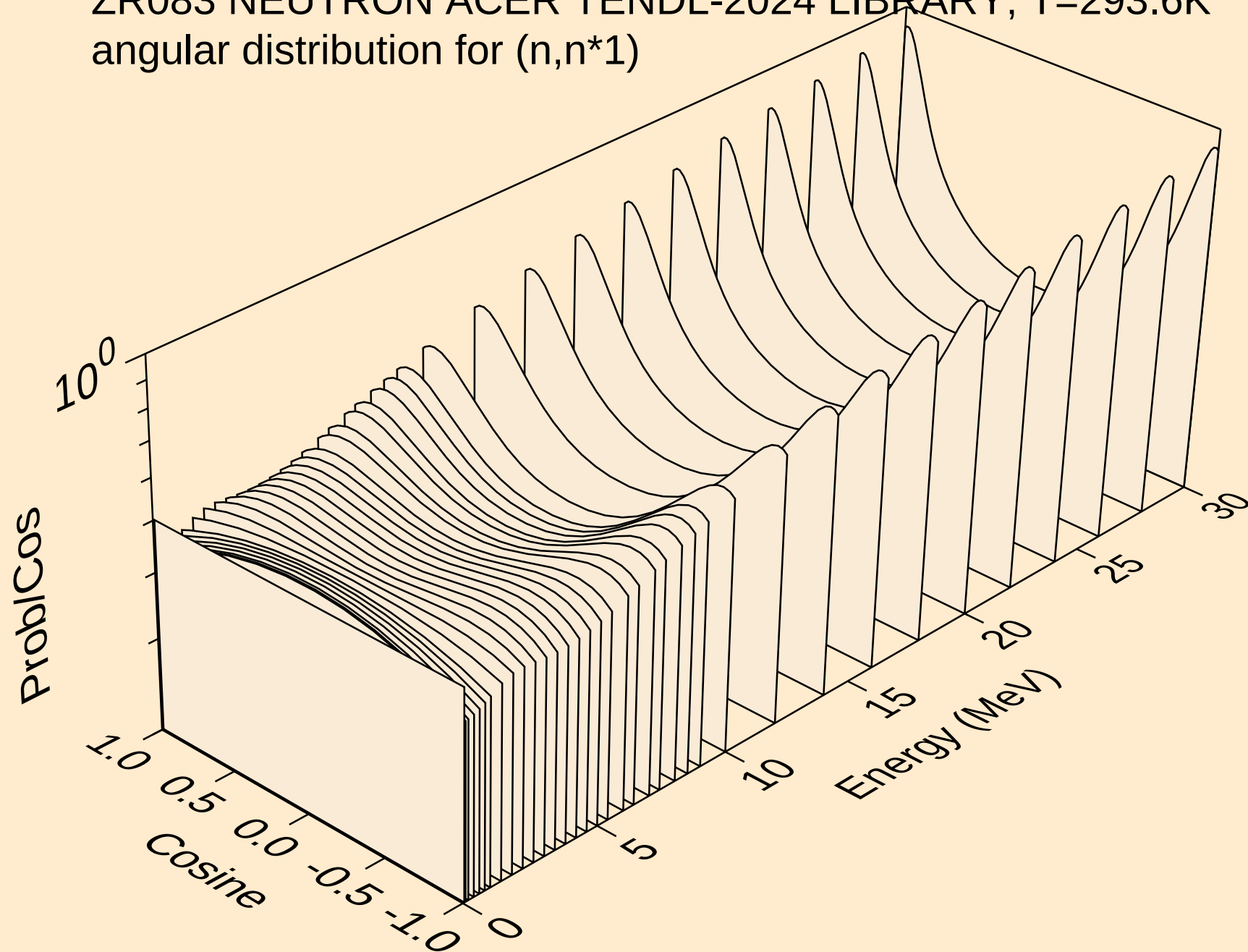
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



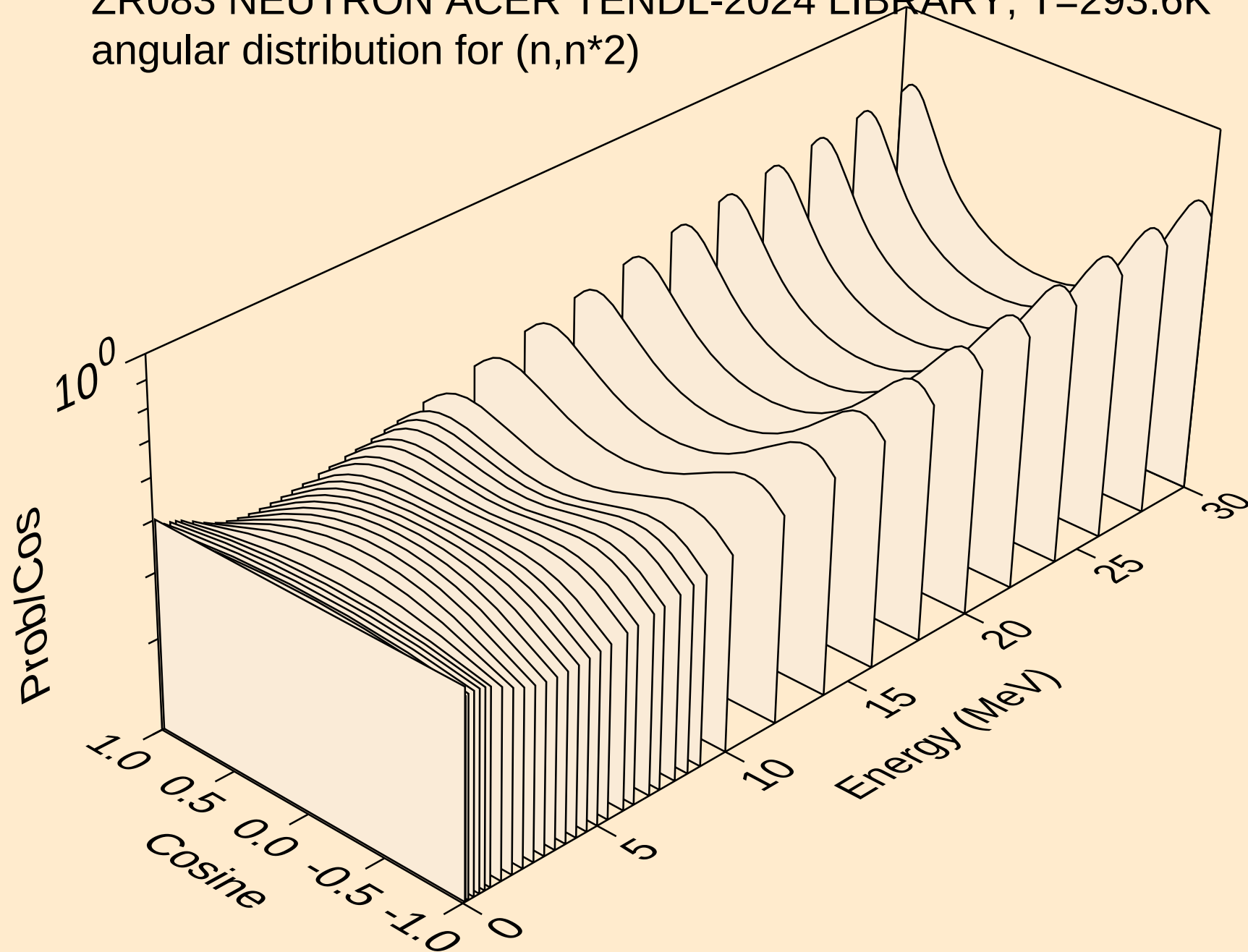
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



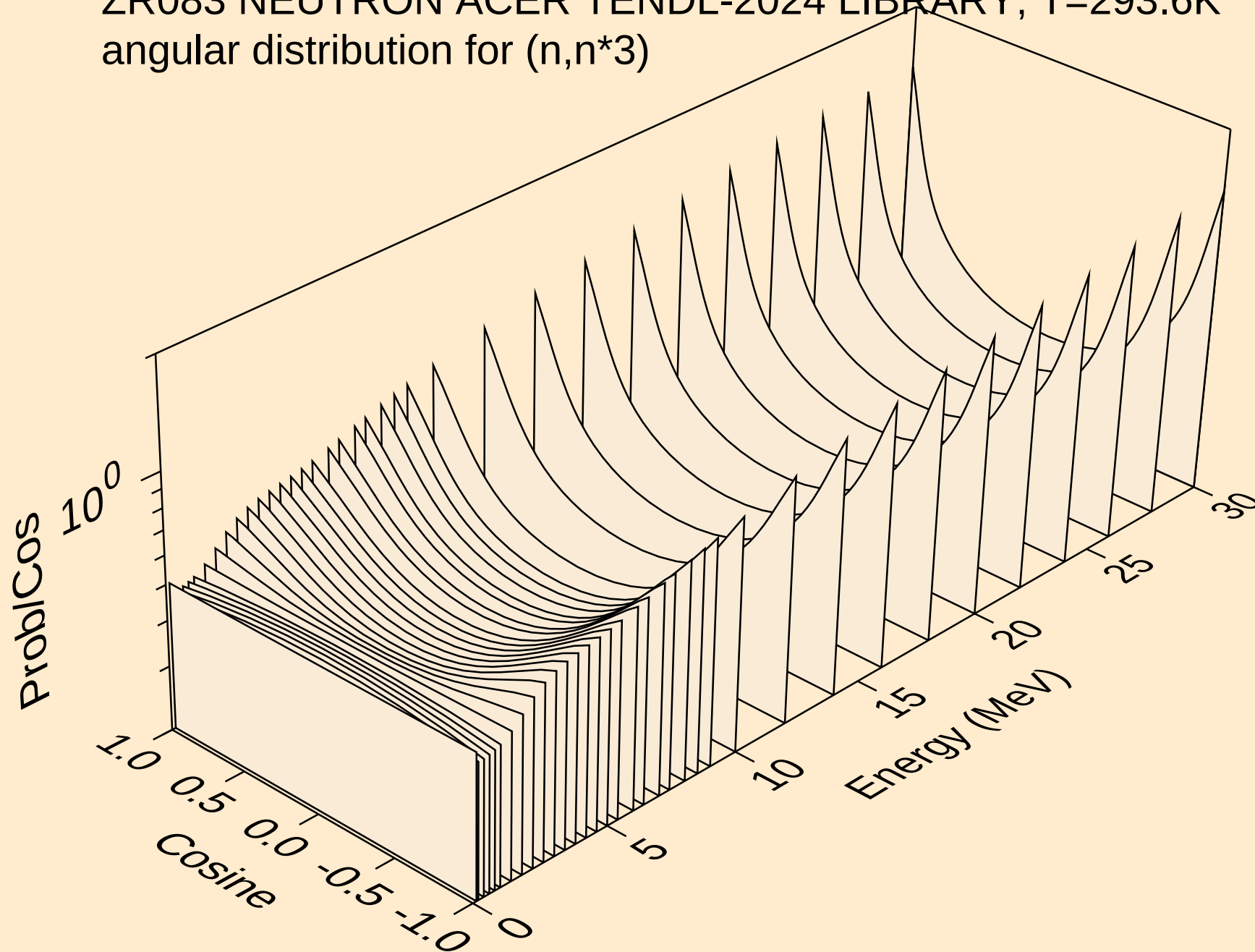
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)



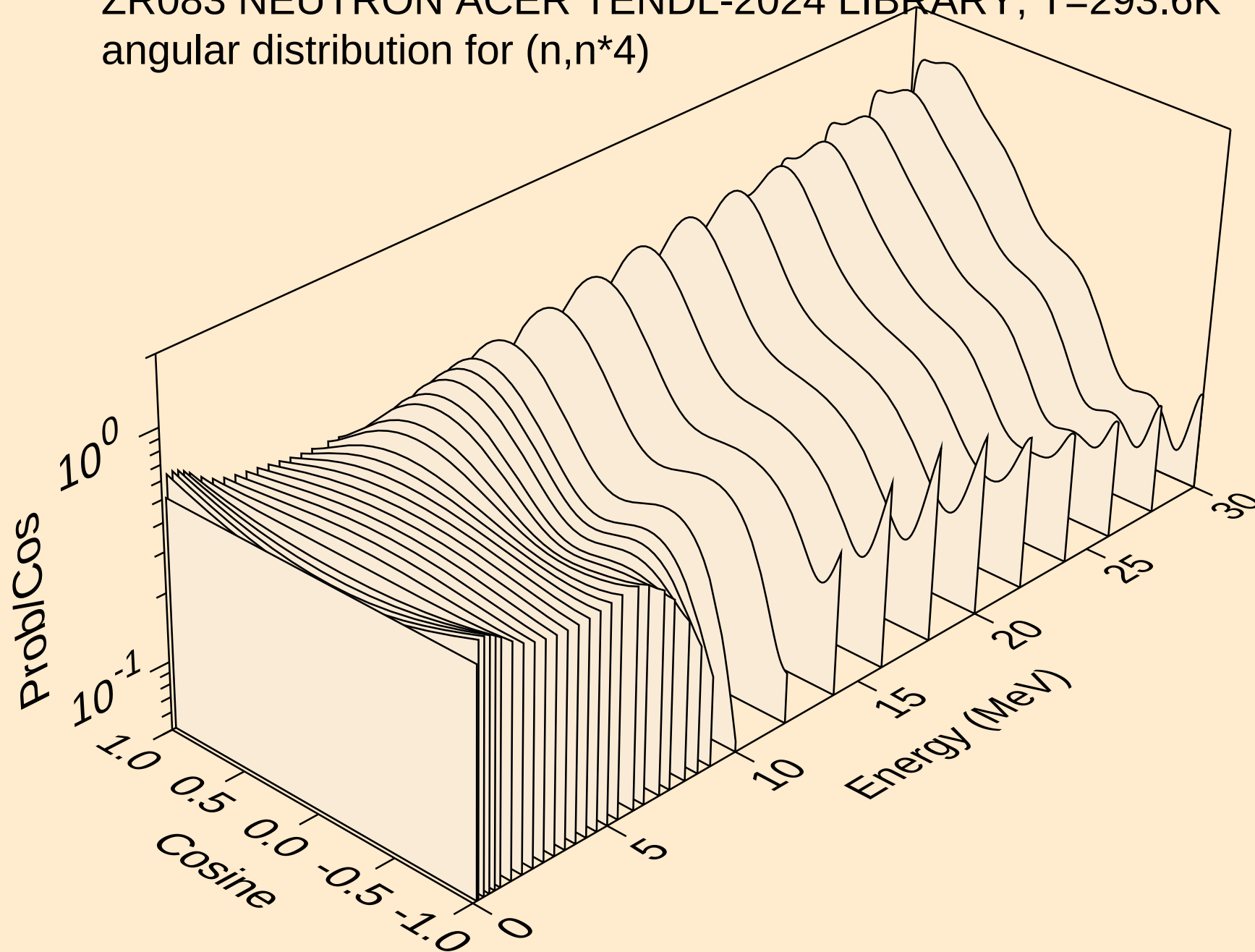
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*2)



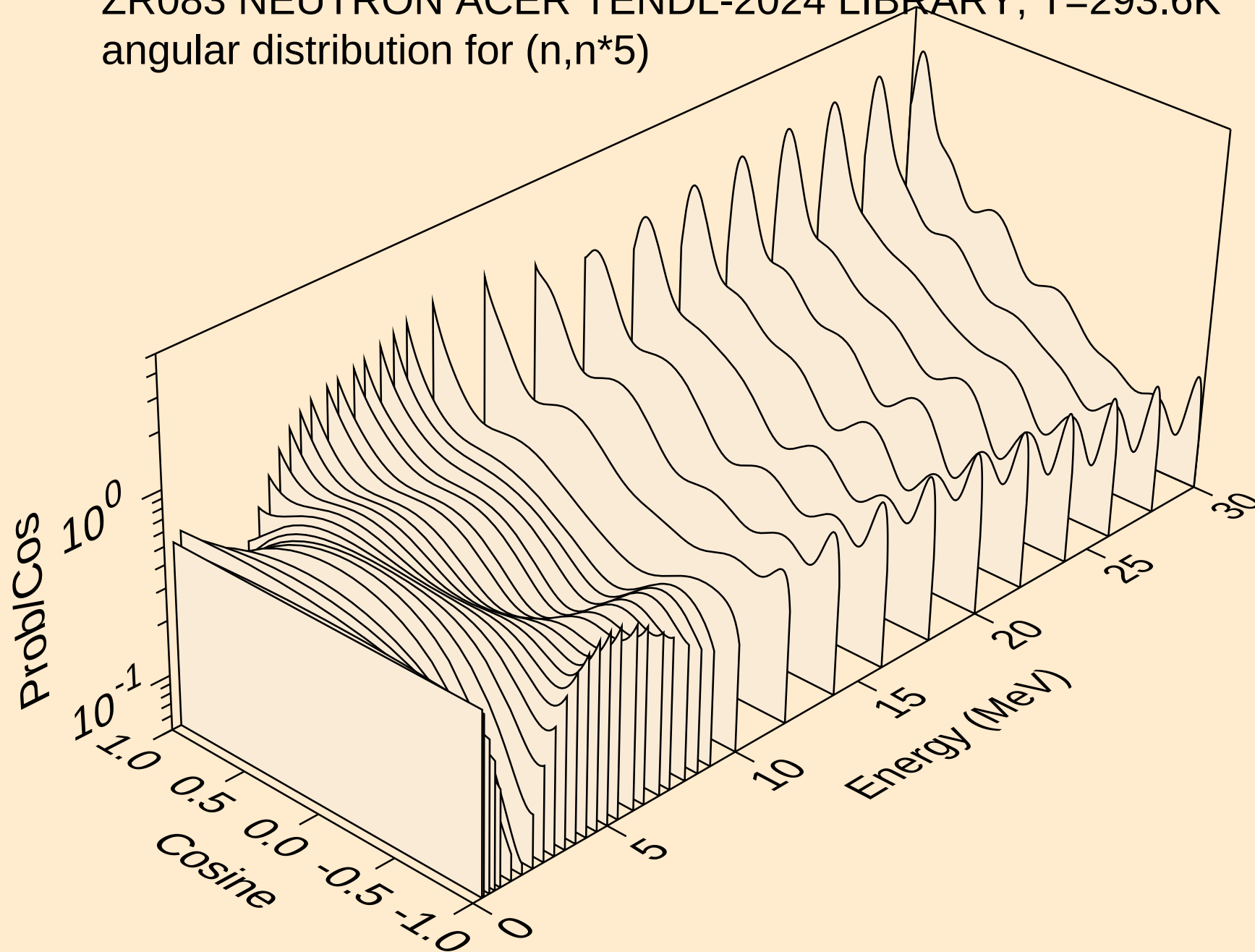
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*3)



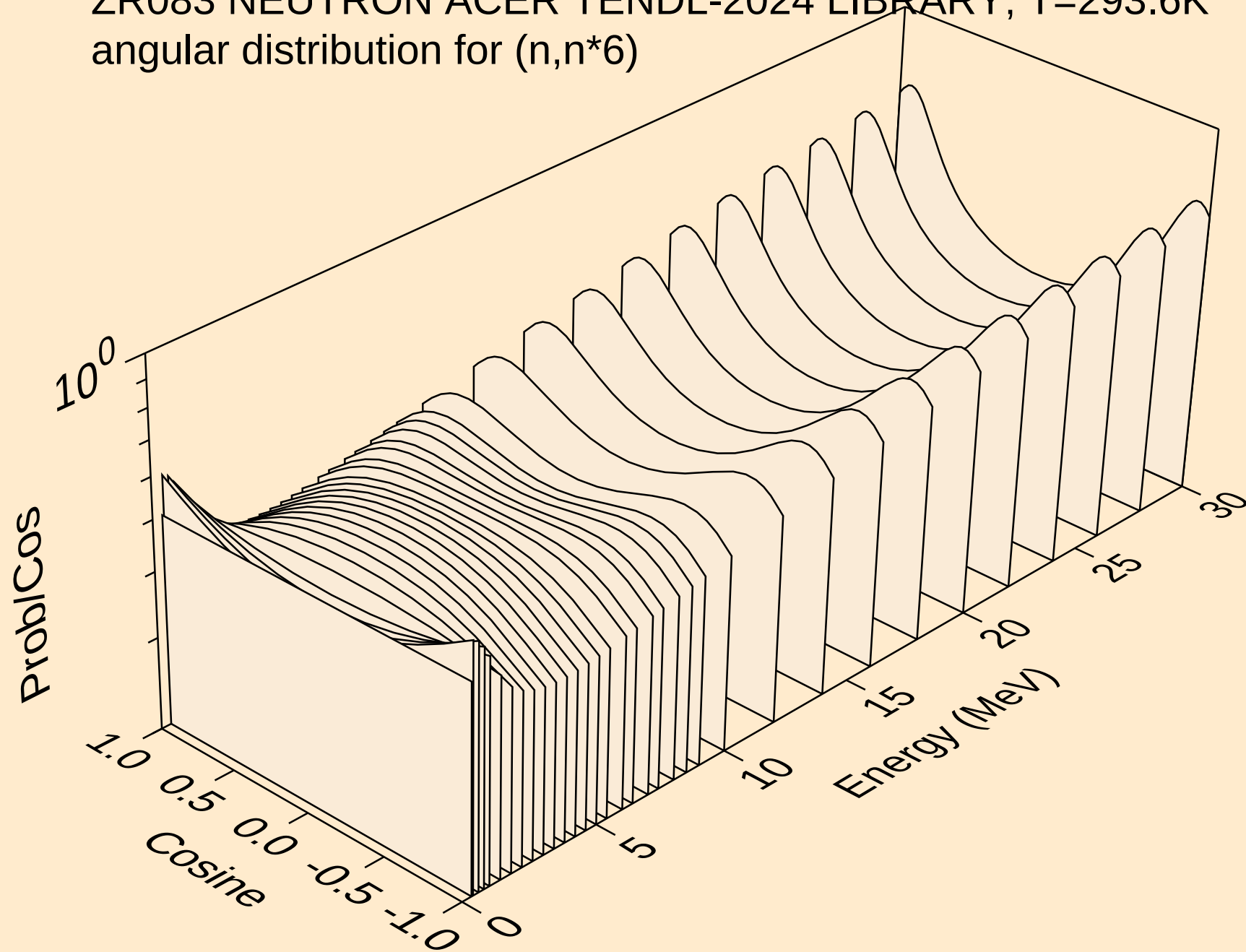
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*4)



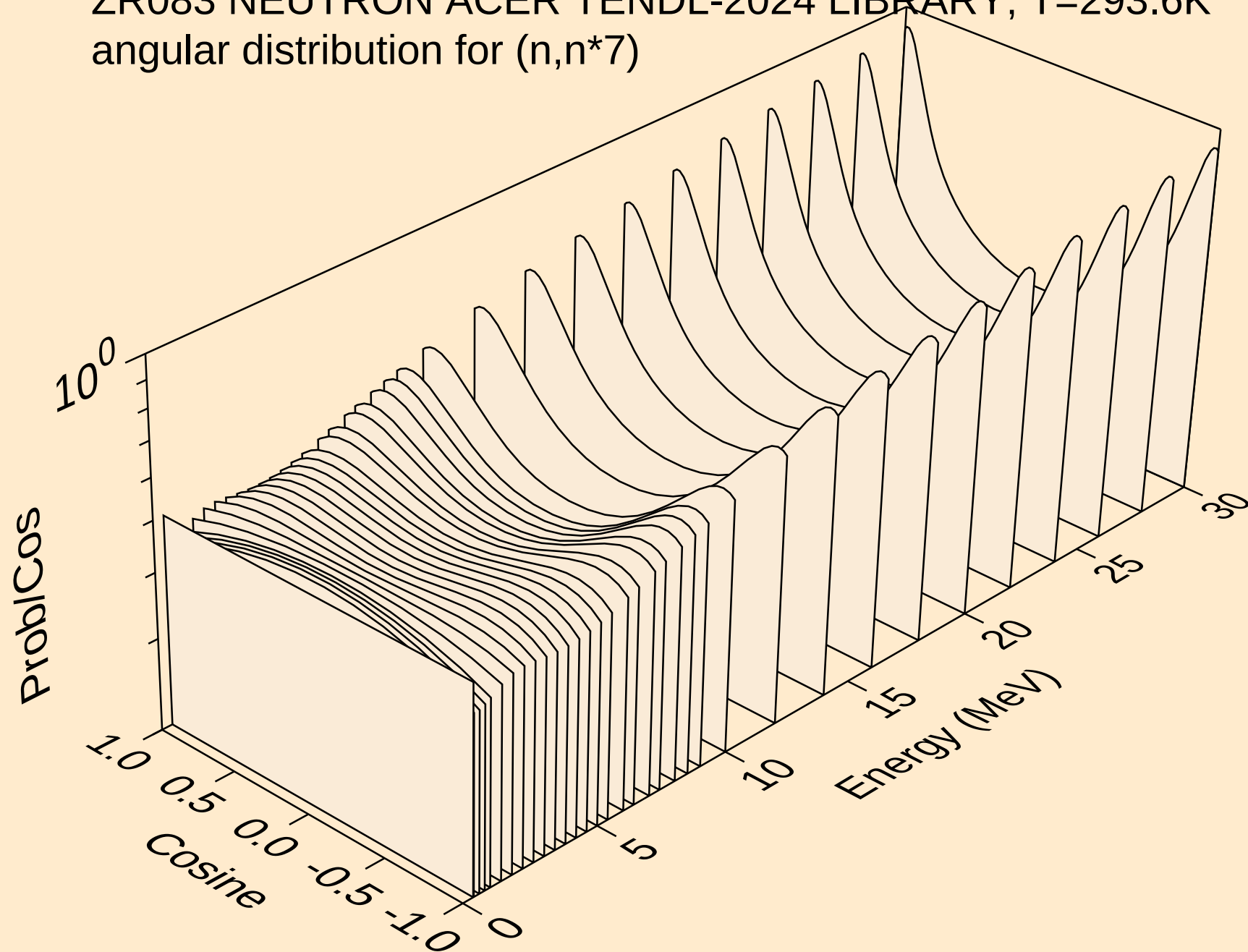
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*5)



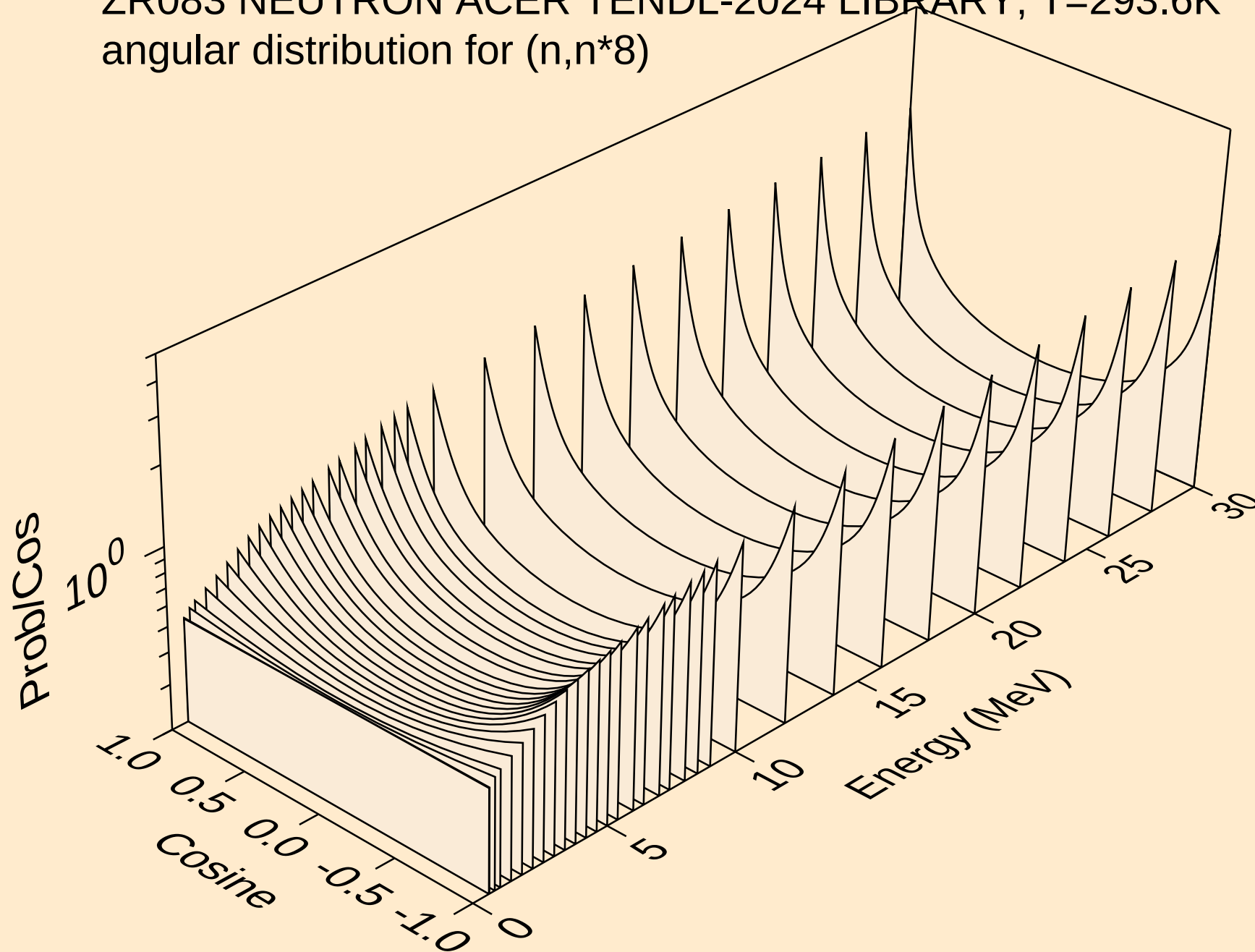
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*6)



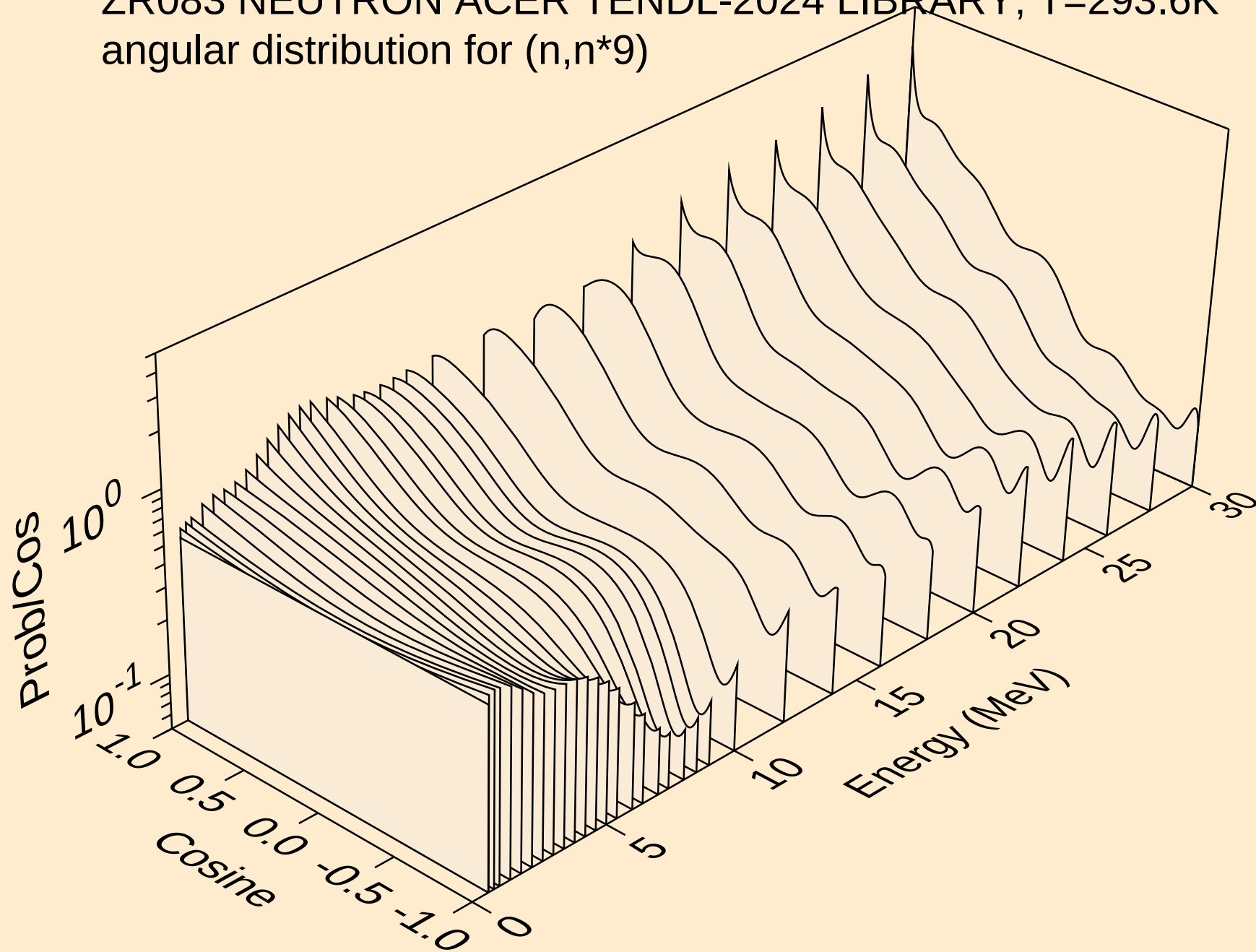
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*7)



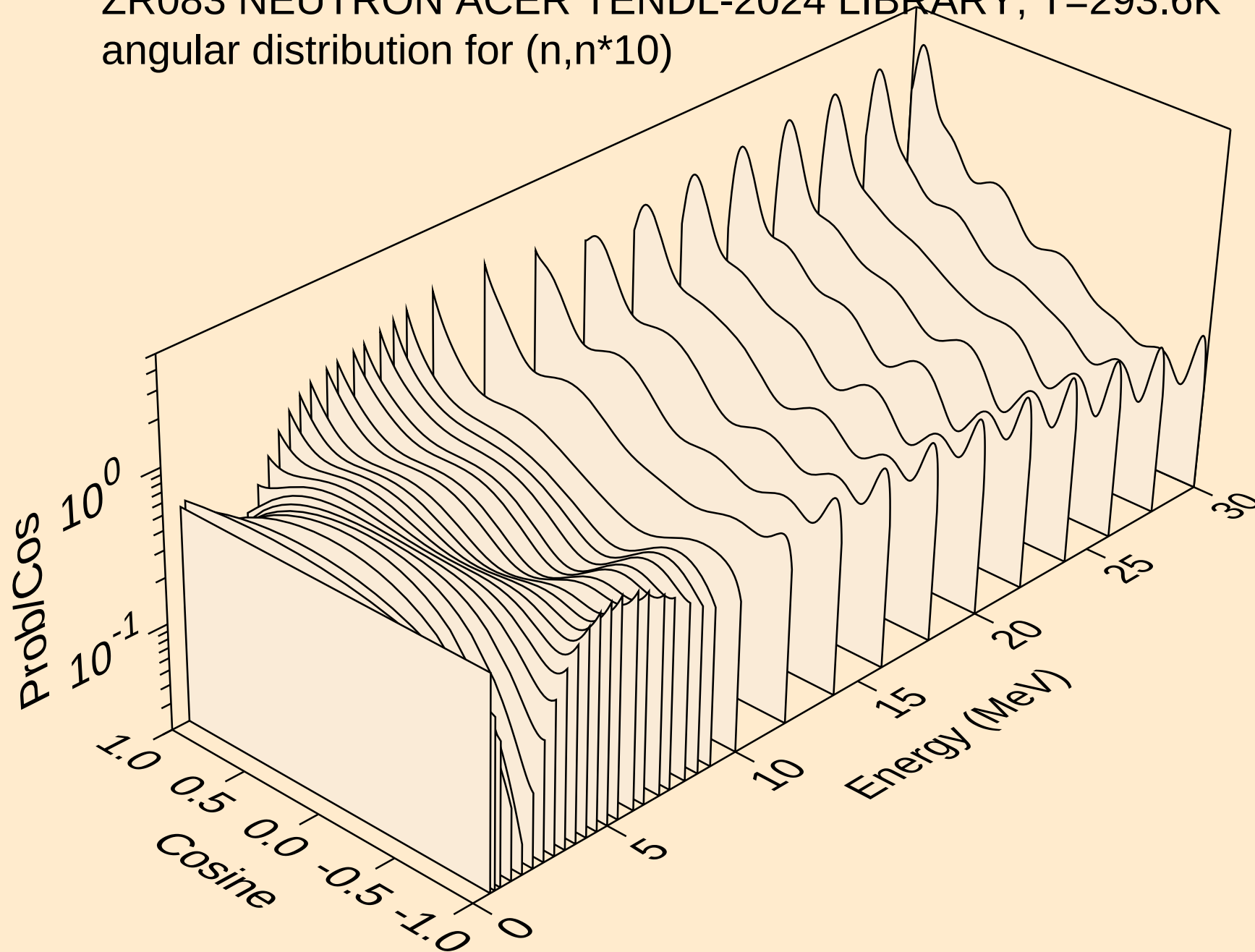
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*8)



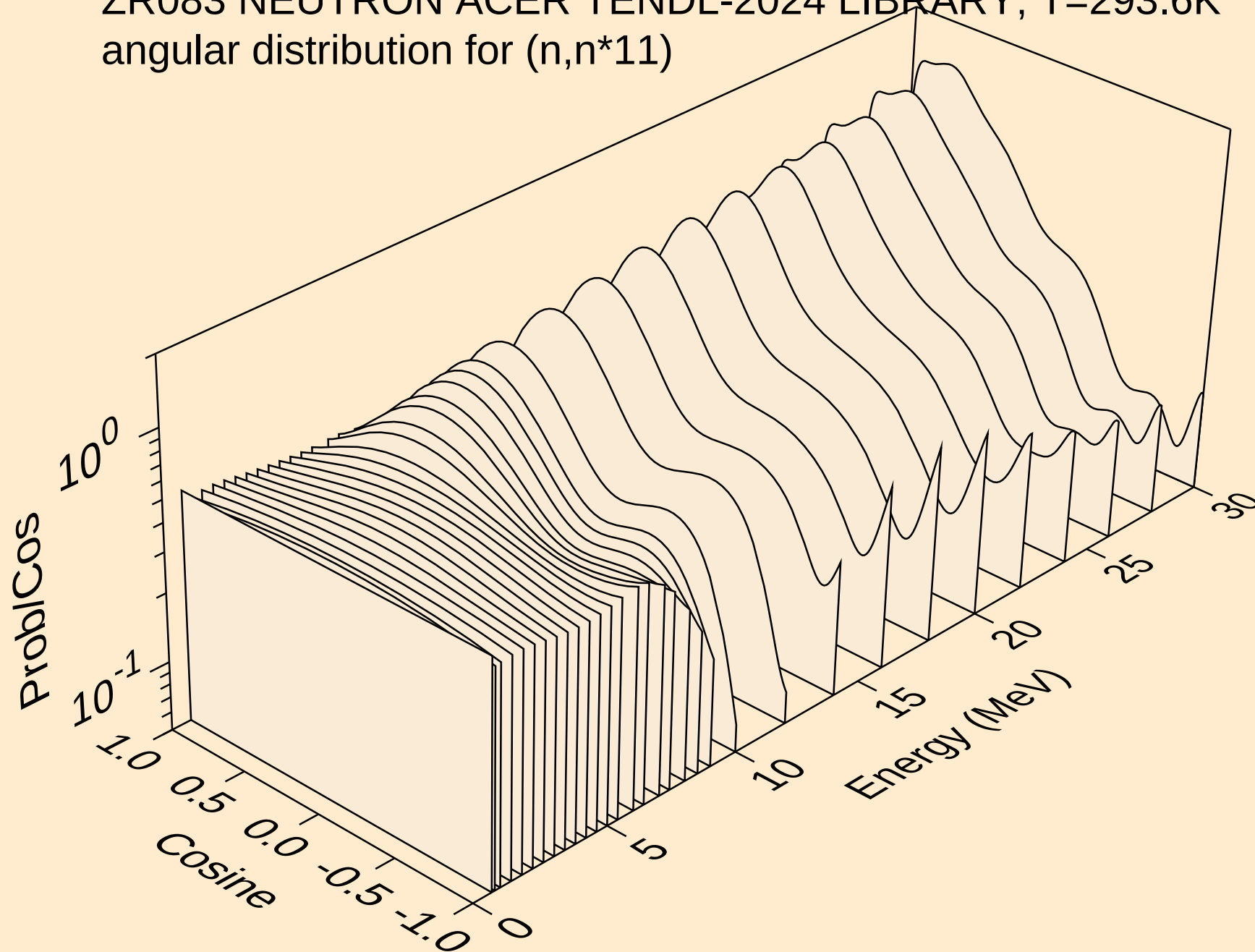
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*9)



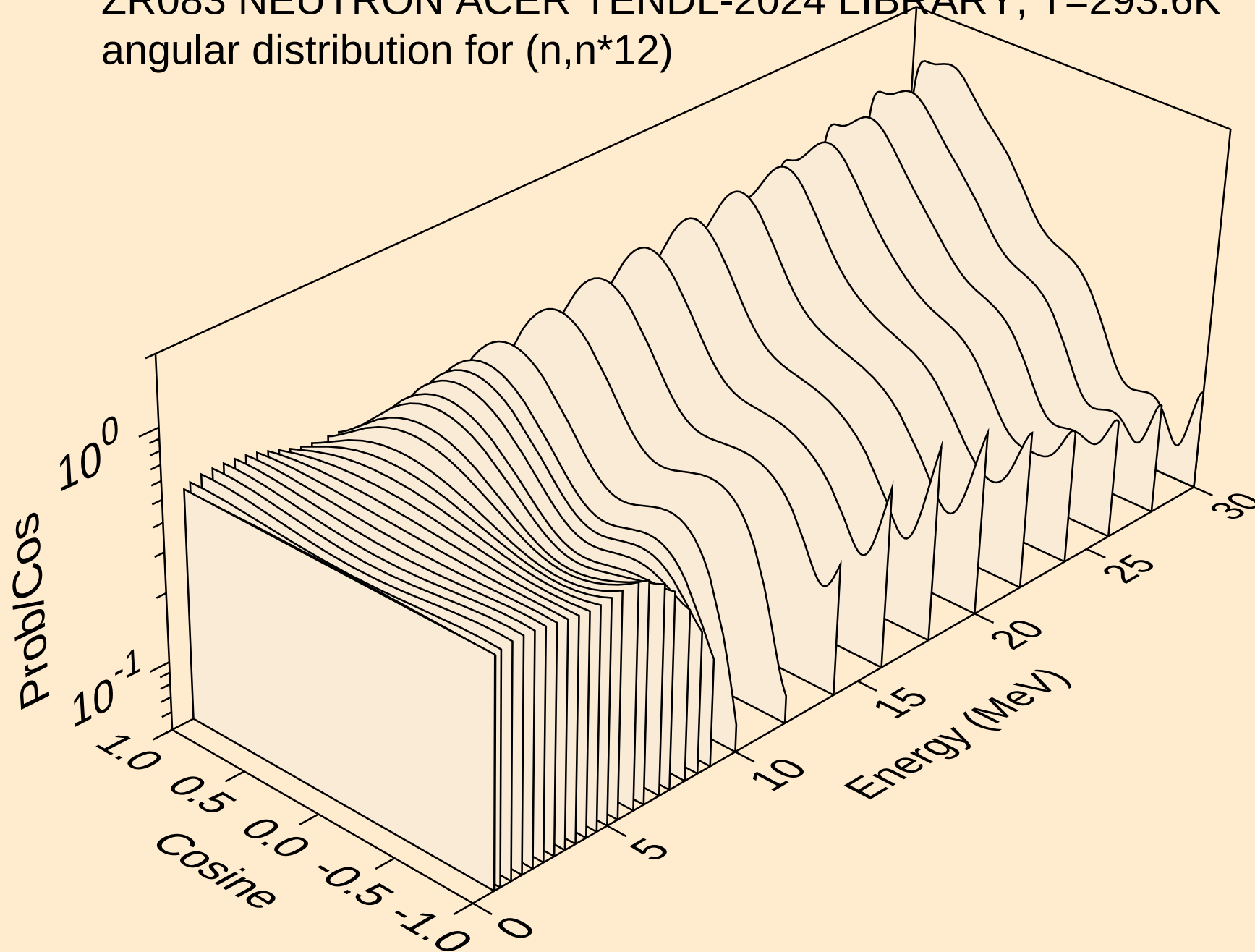
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*10)



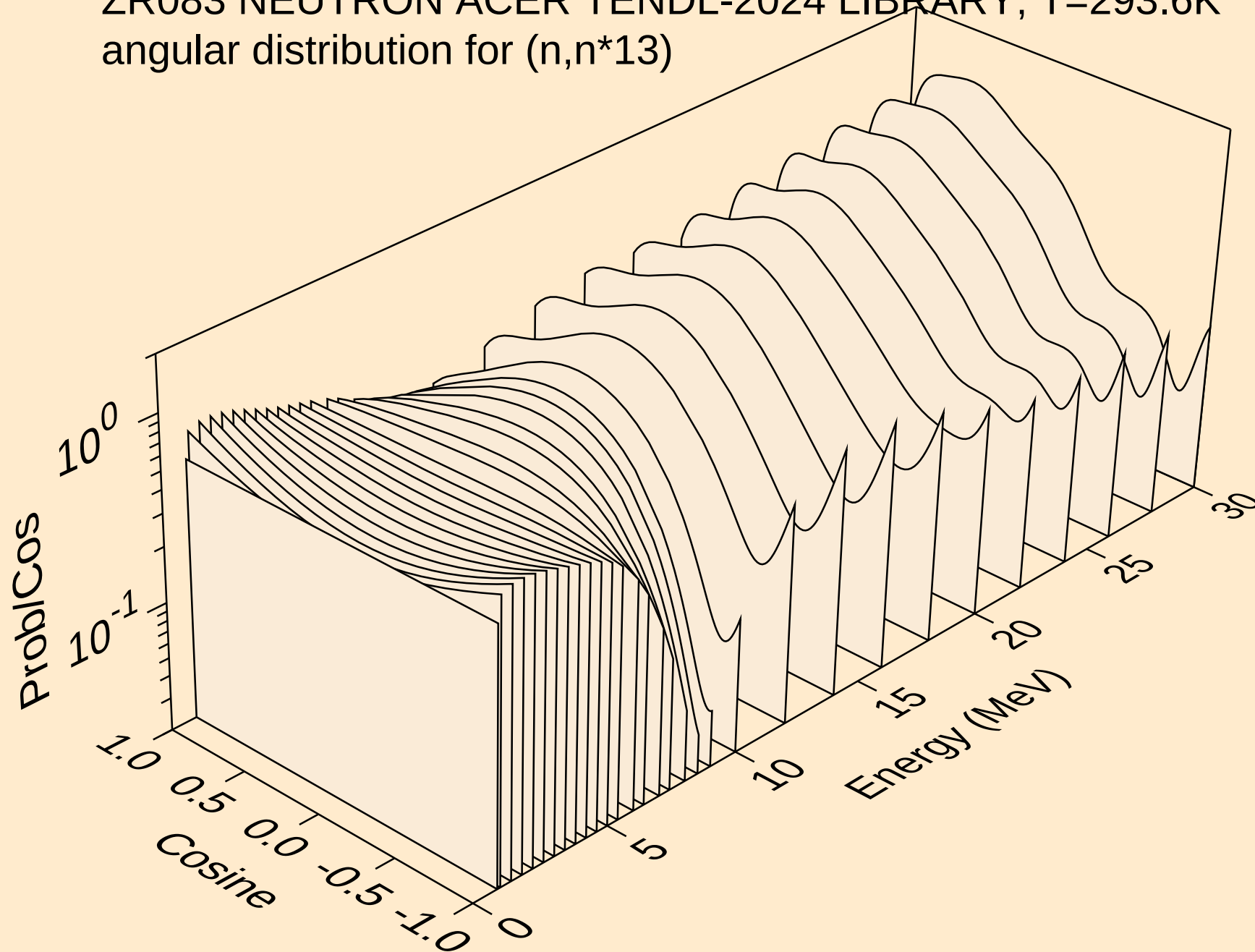
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*11)



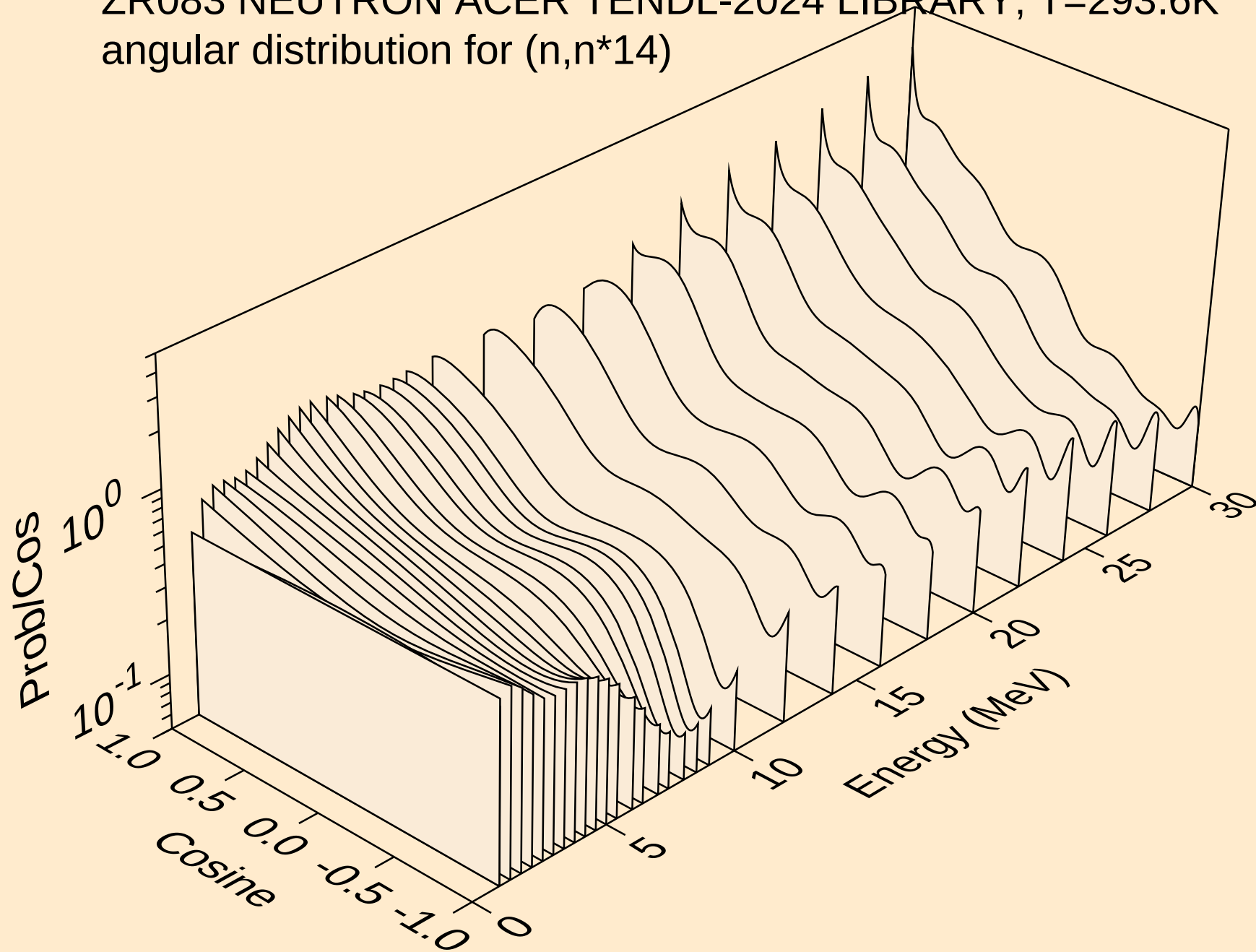
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*12)



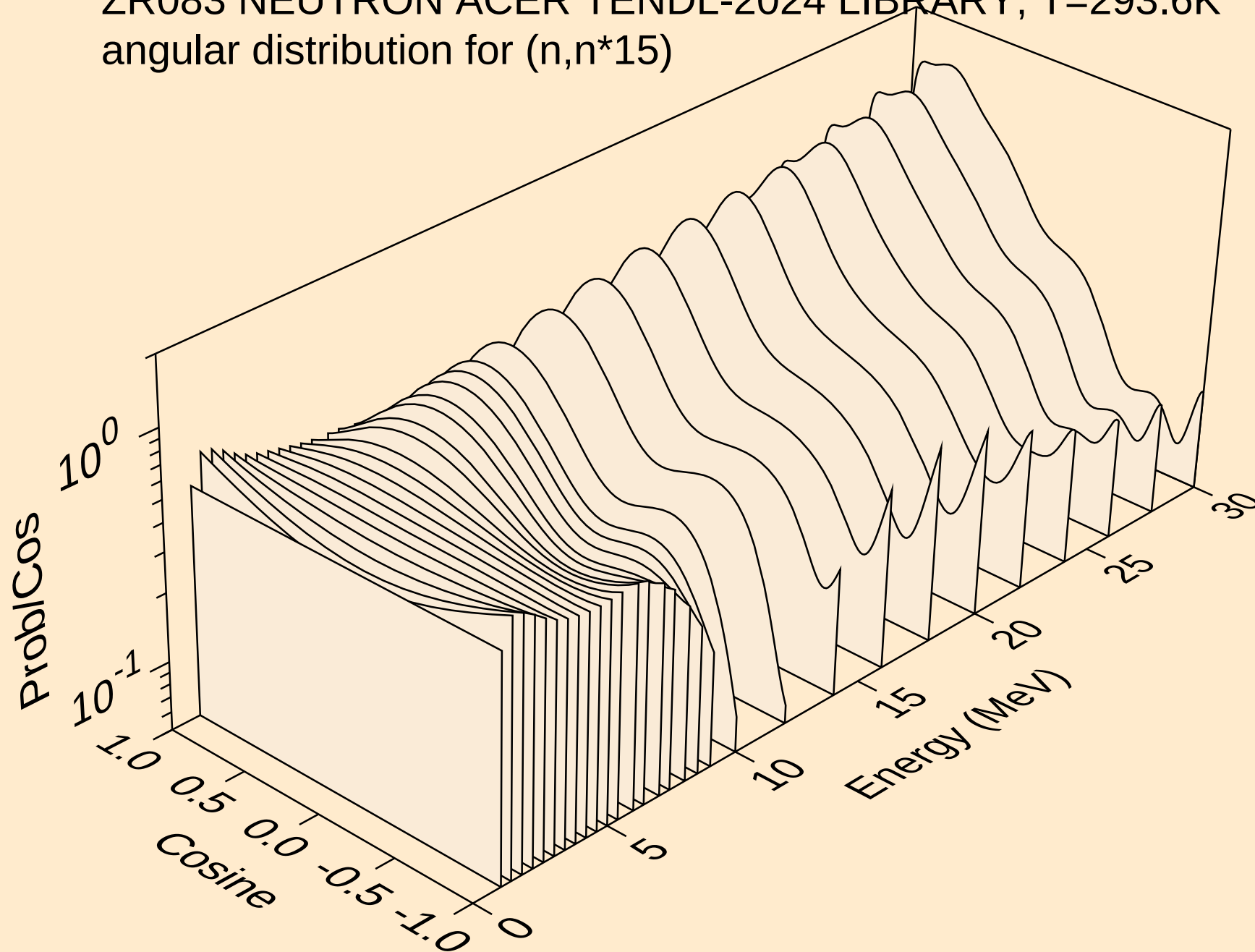
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*13)



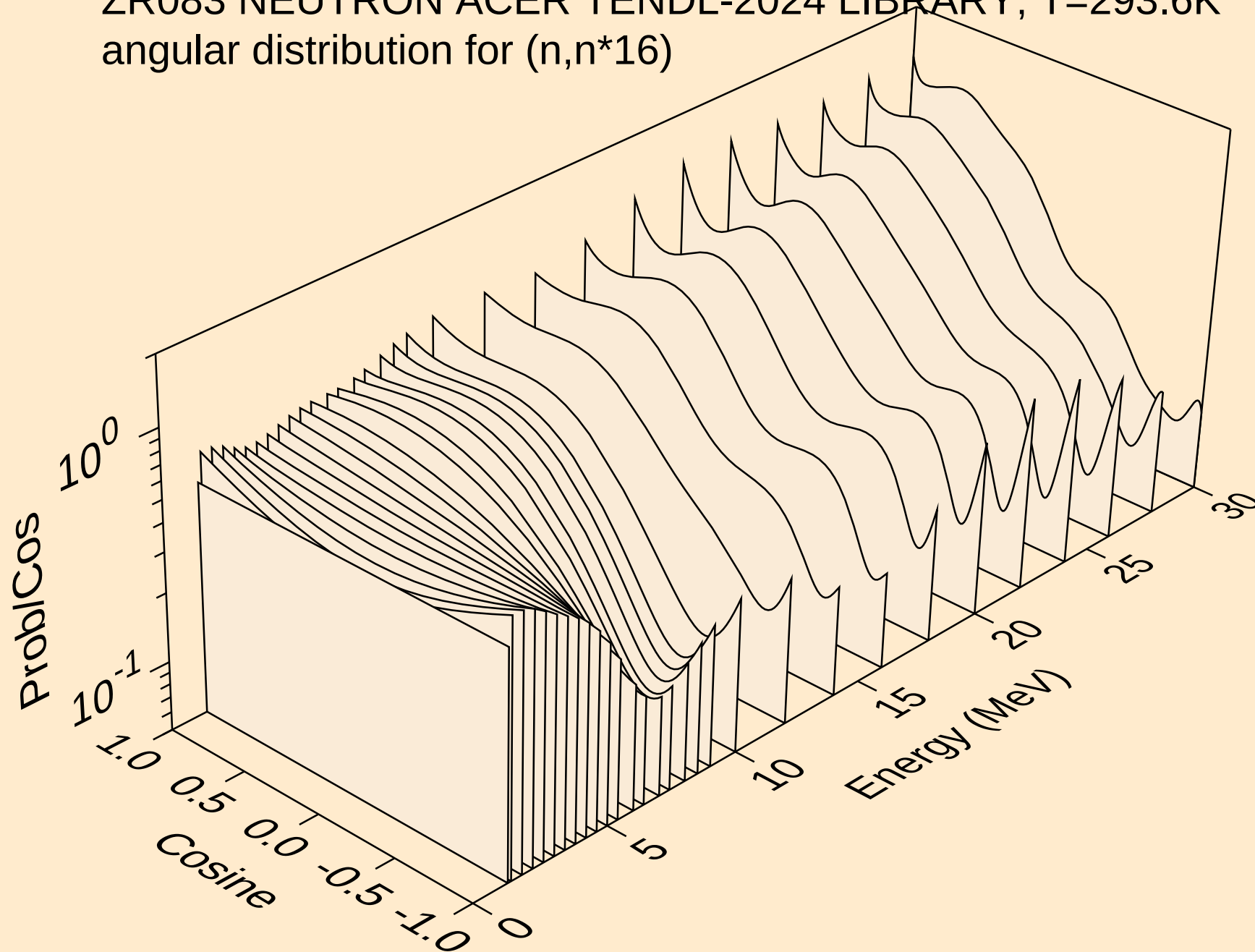
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*14)



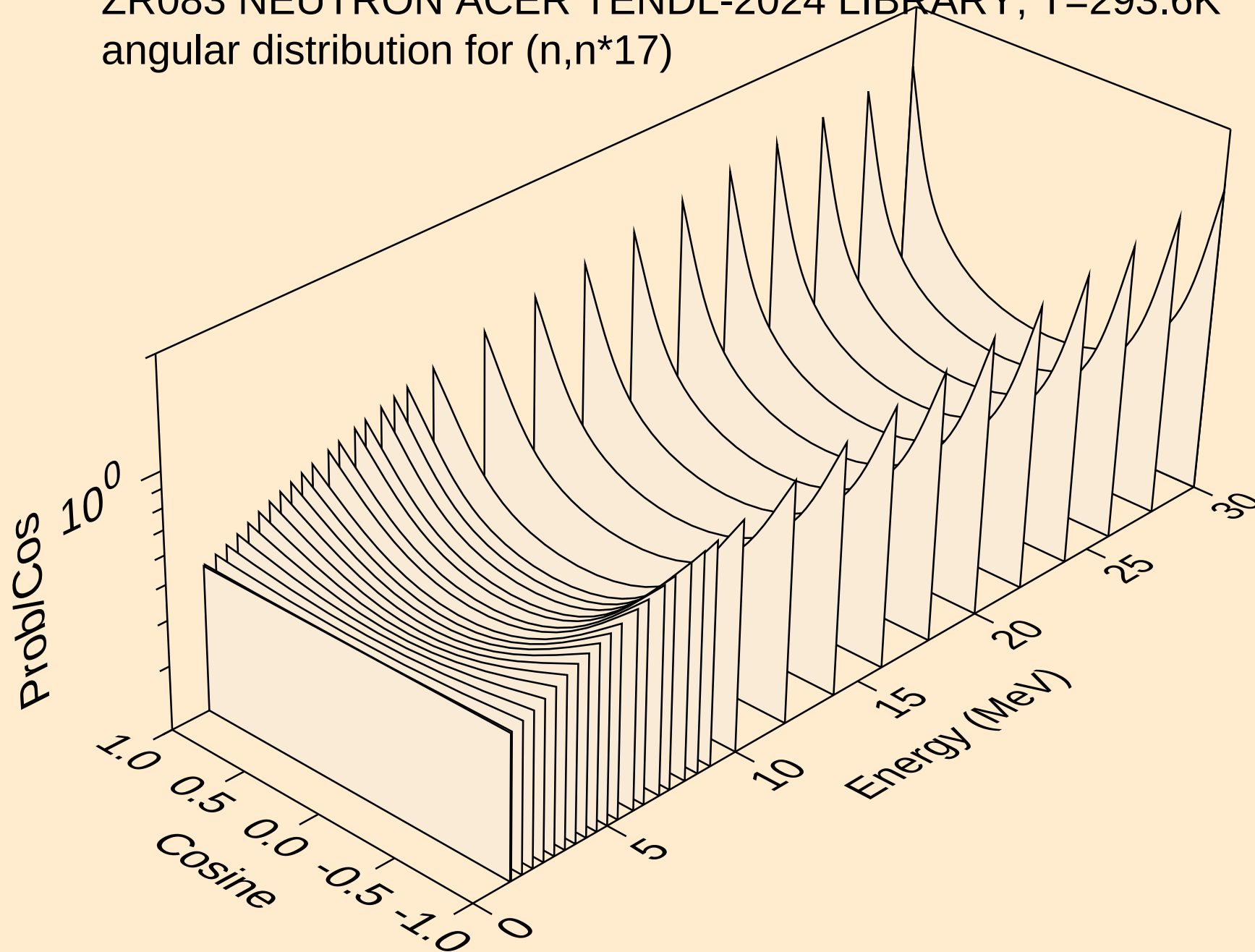
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*15)



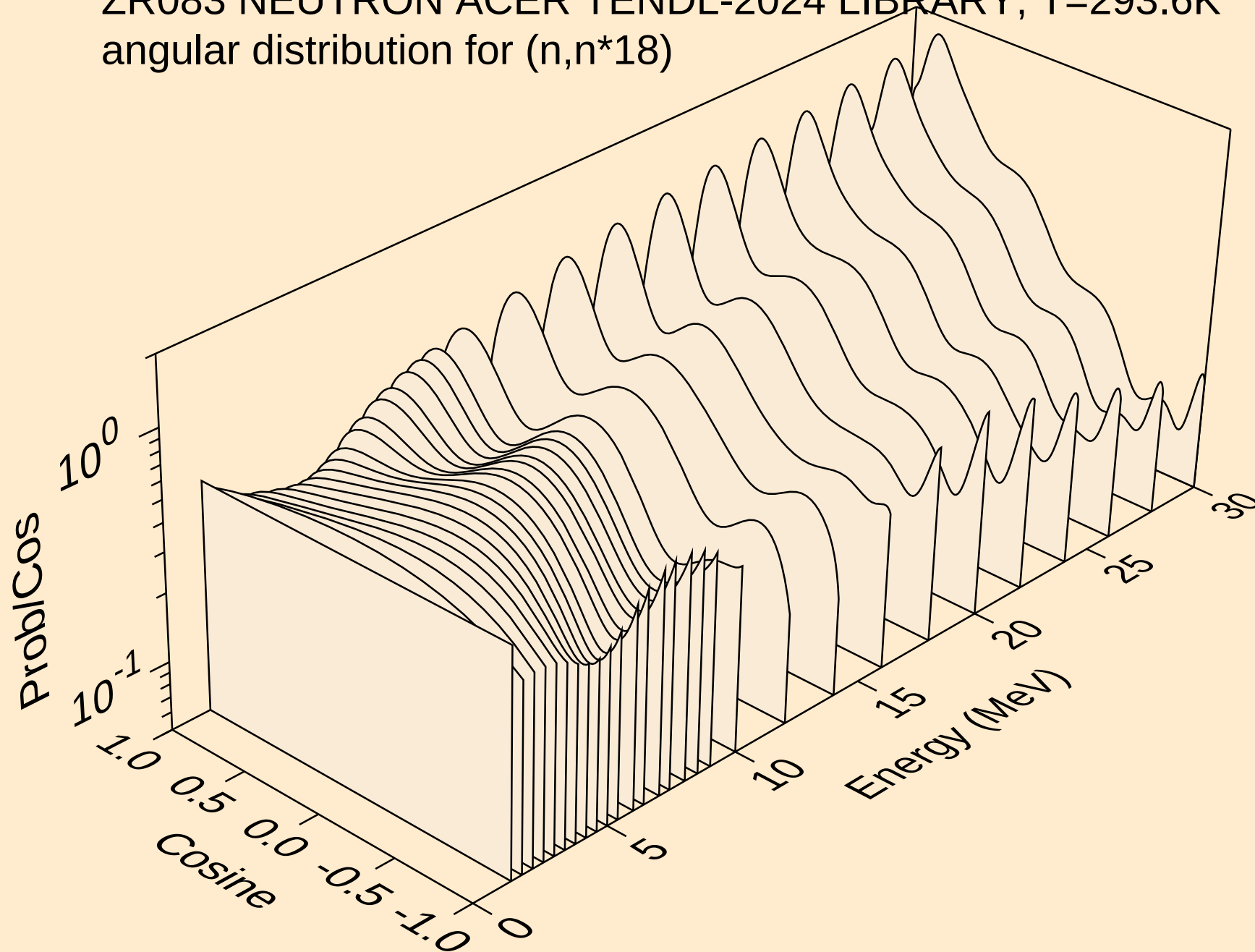
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*16)



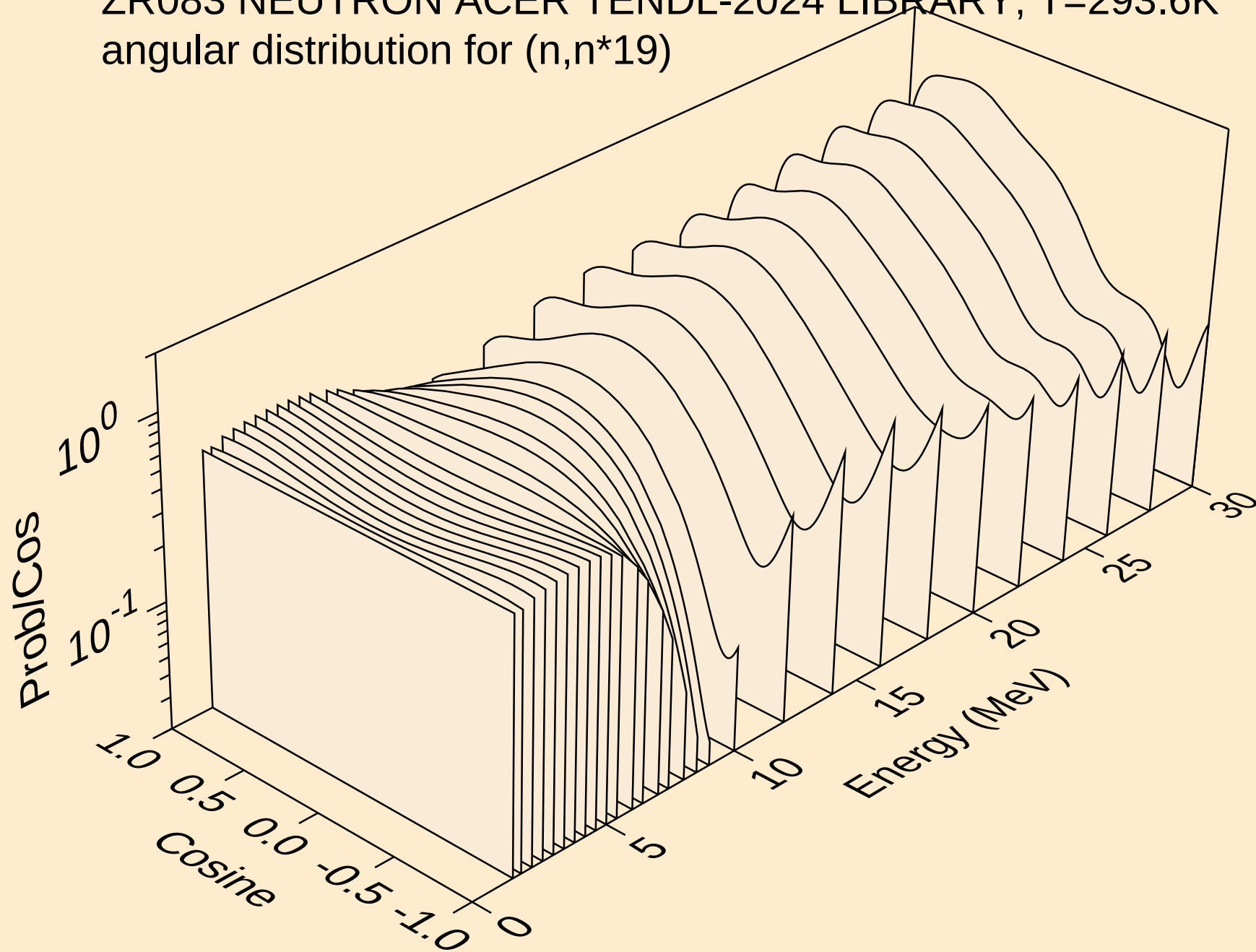
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*17)



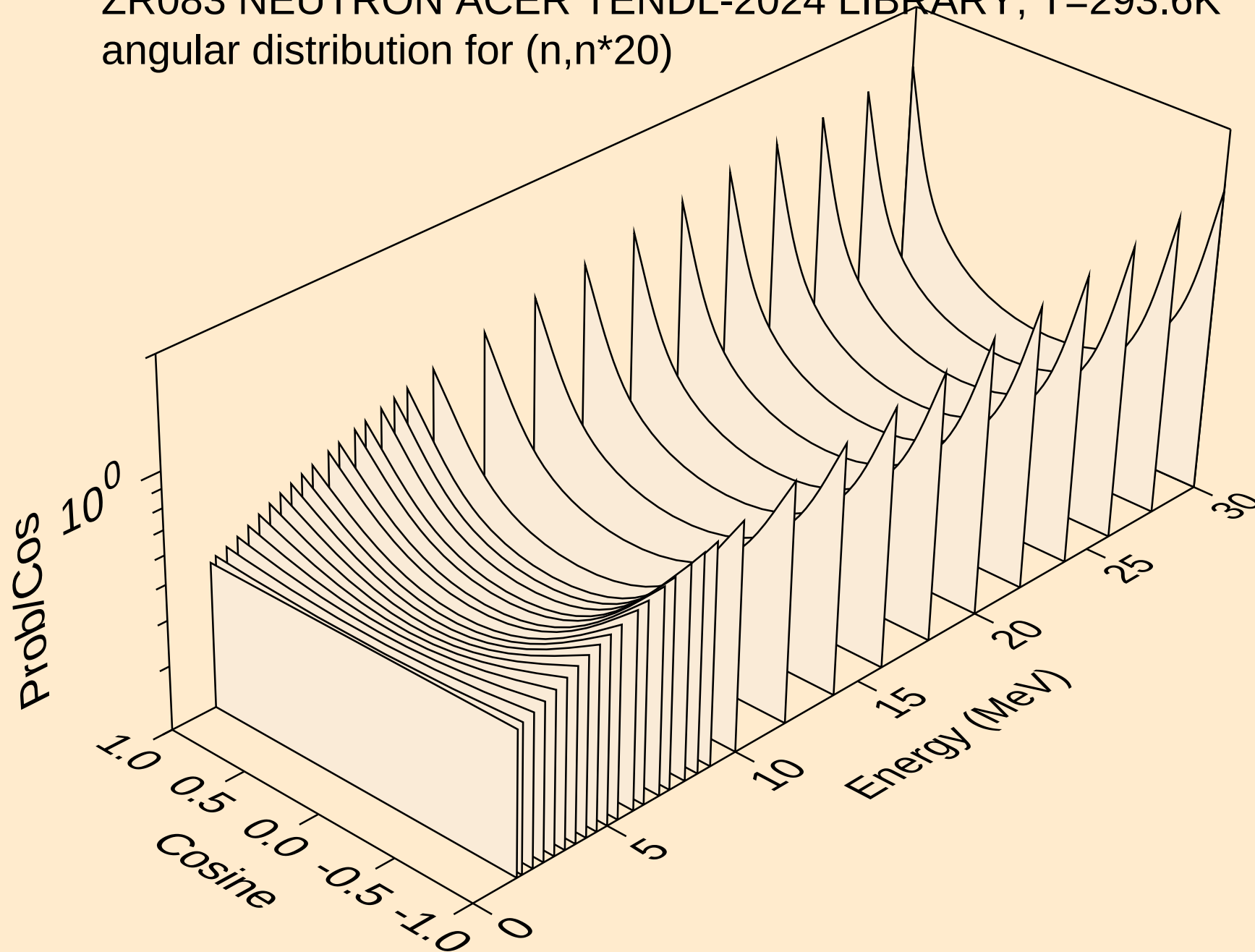
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*18)



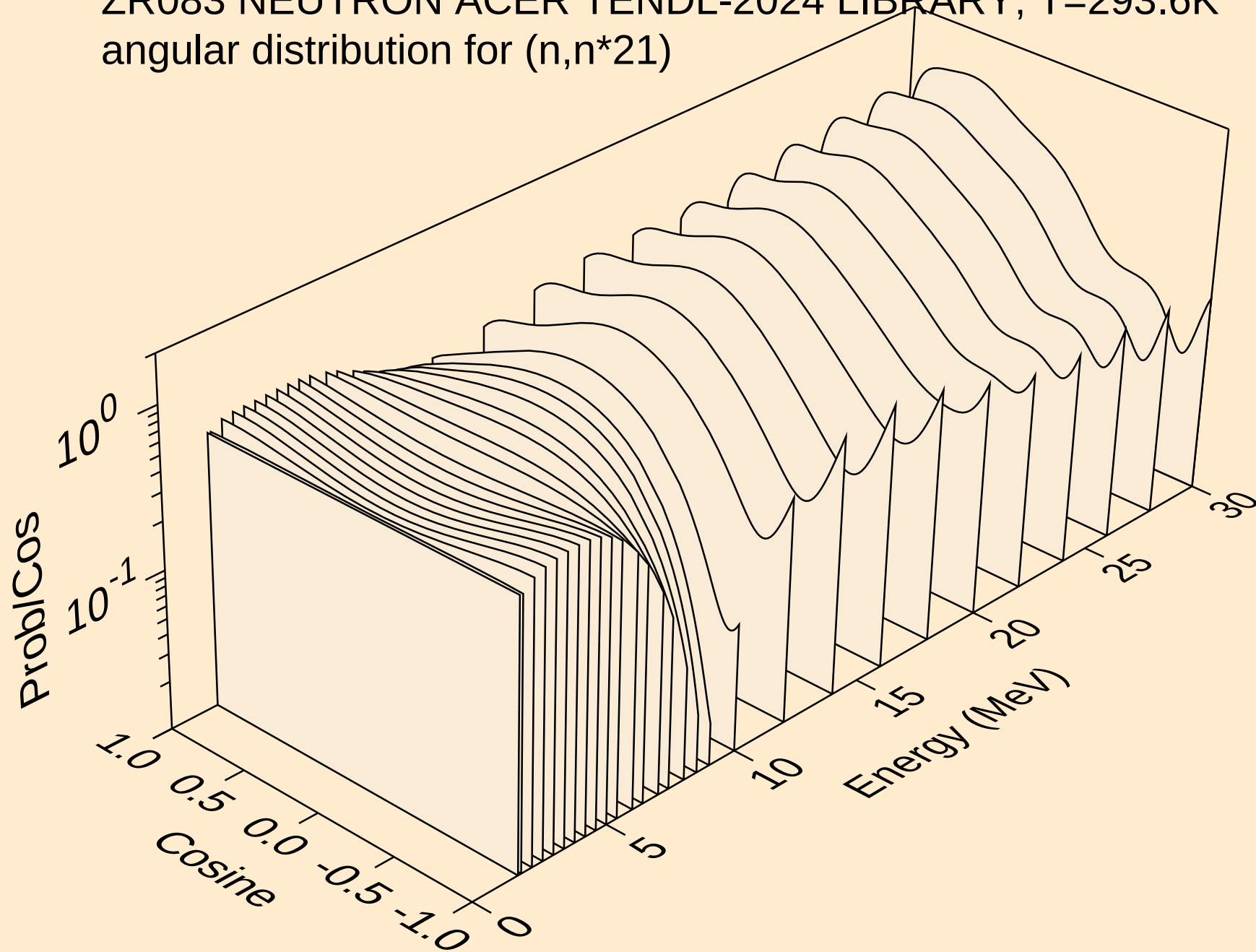
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*19)



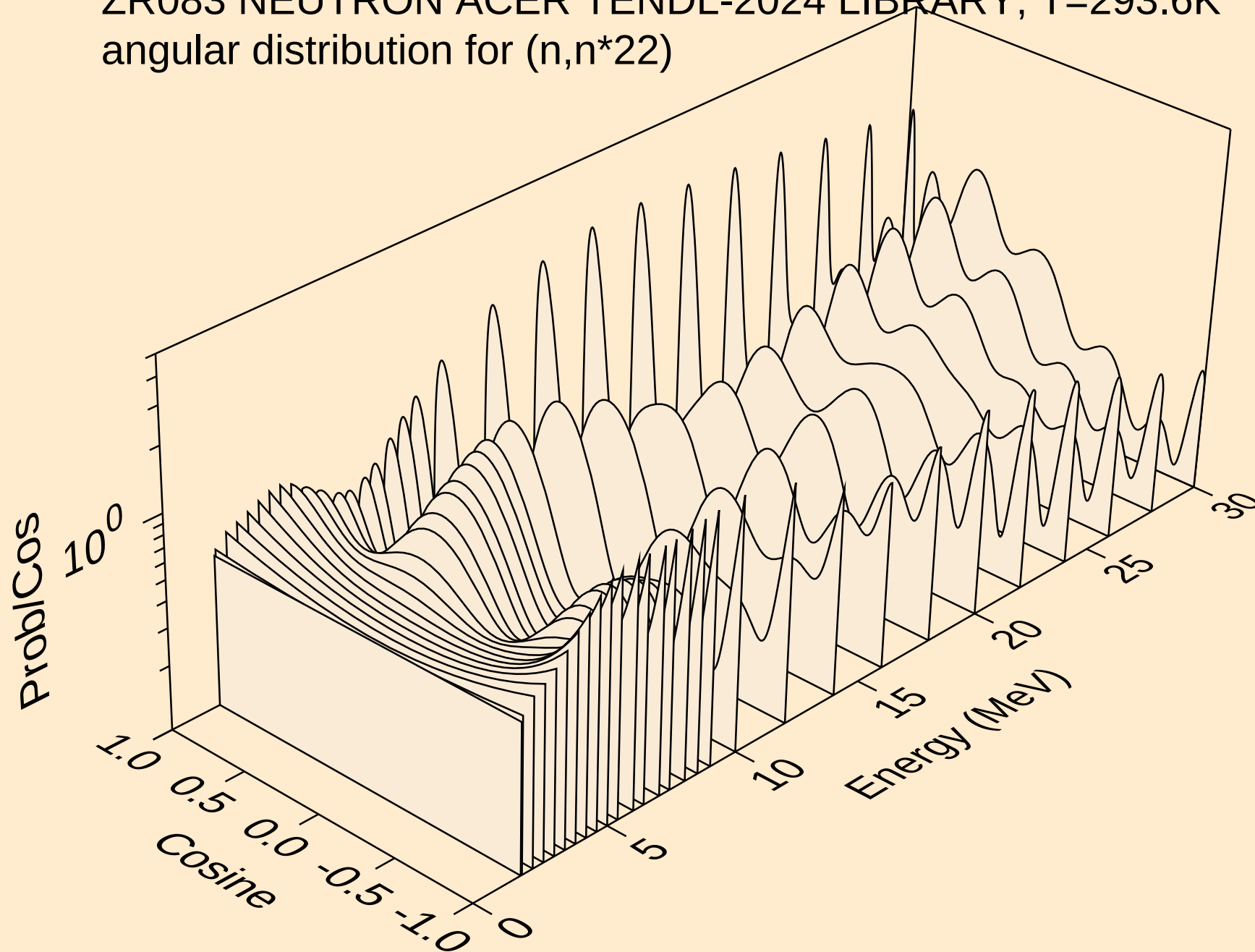
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*20)



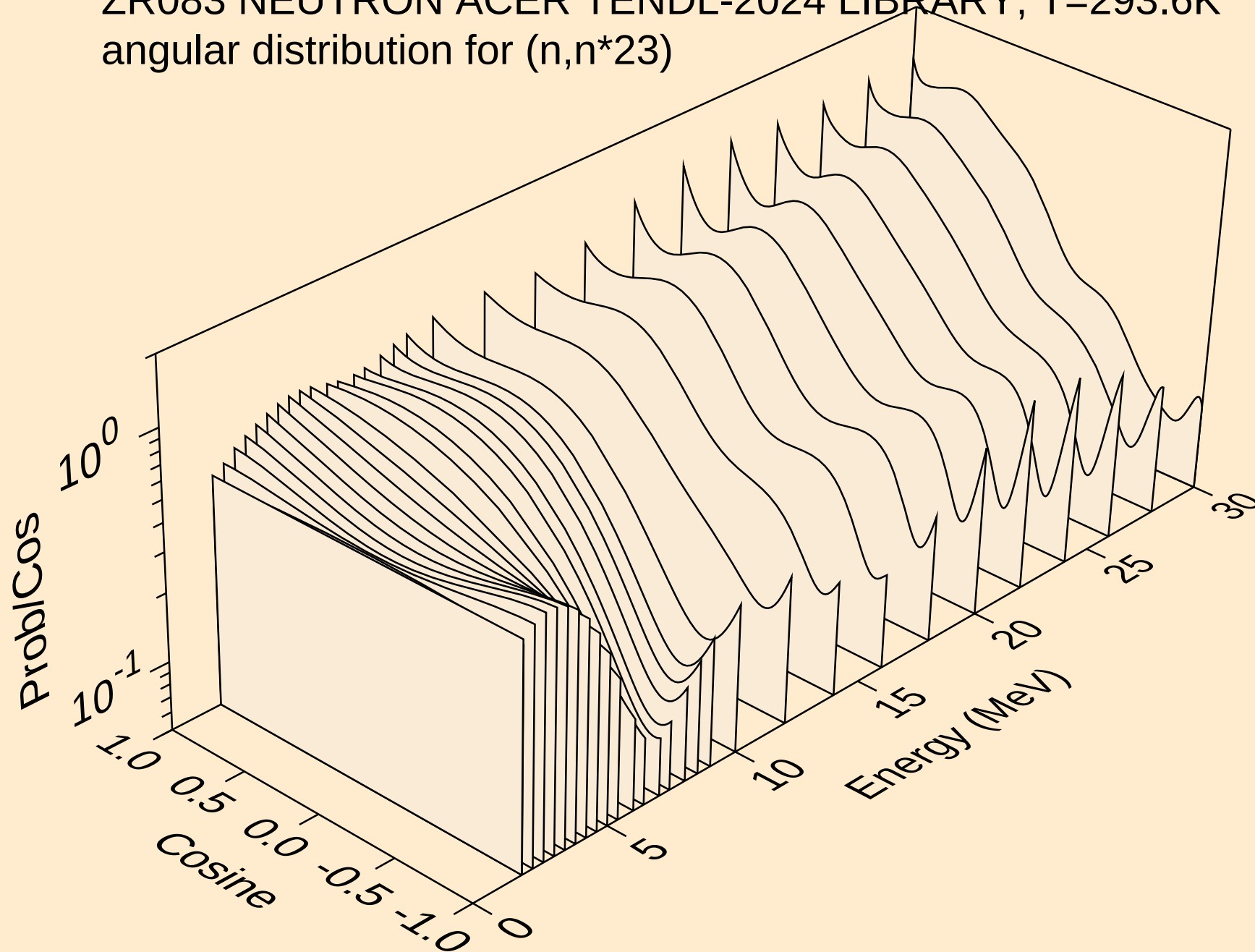
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*21)



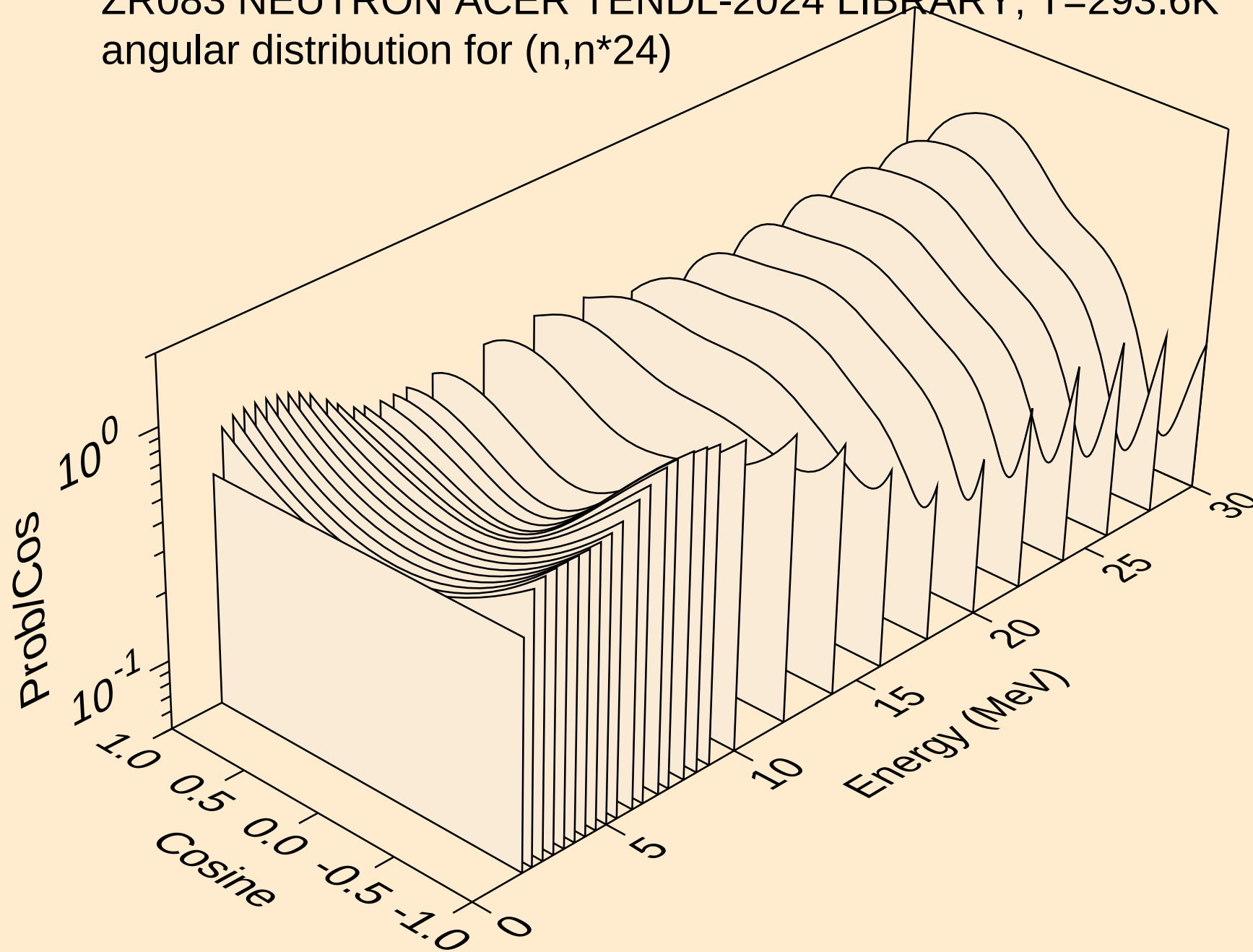
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*22)



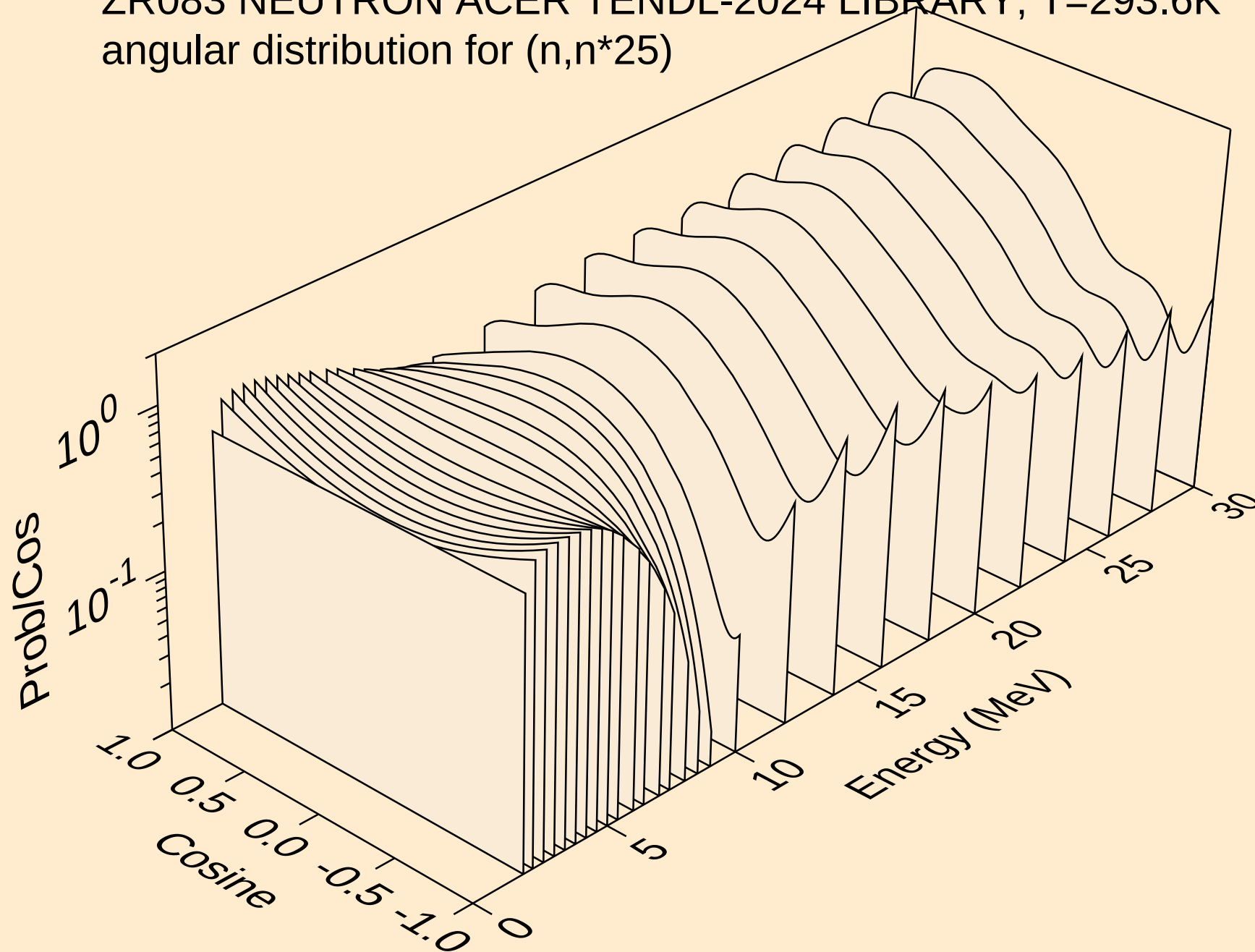
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*23)



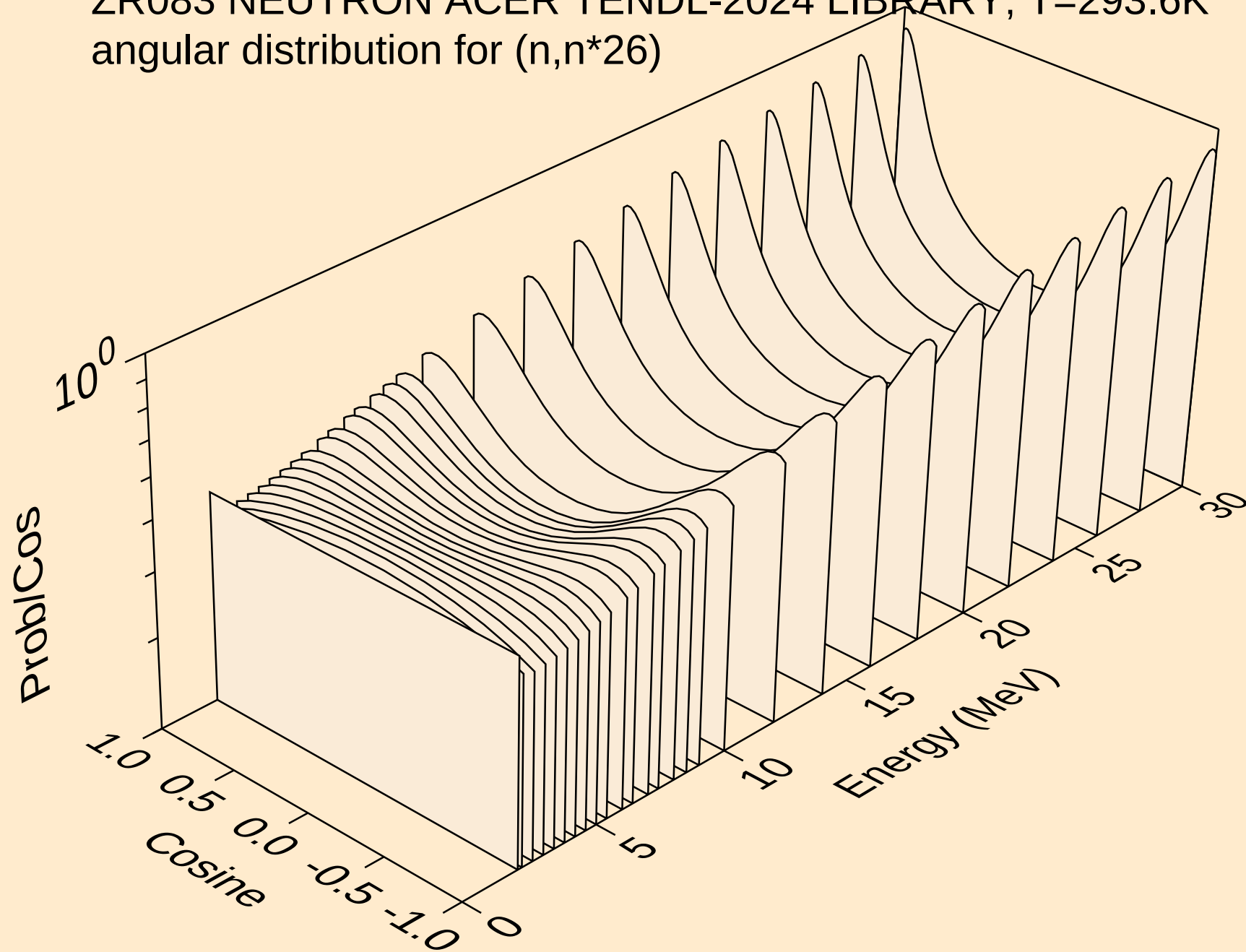
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*24)



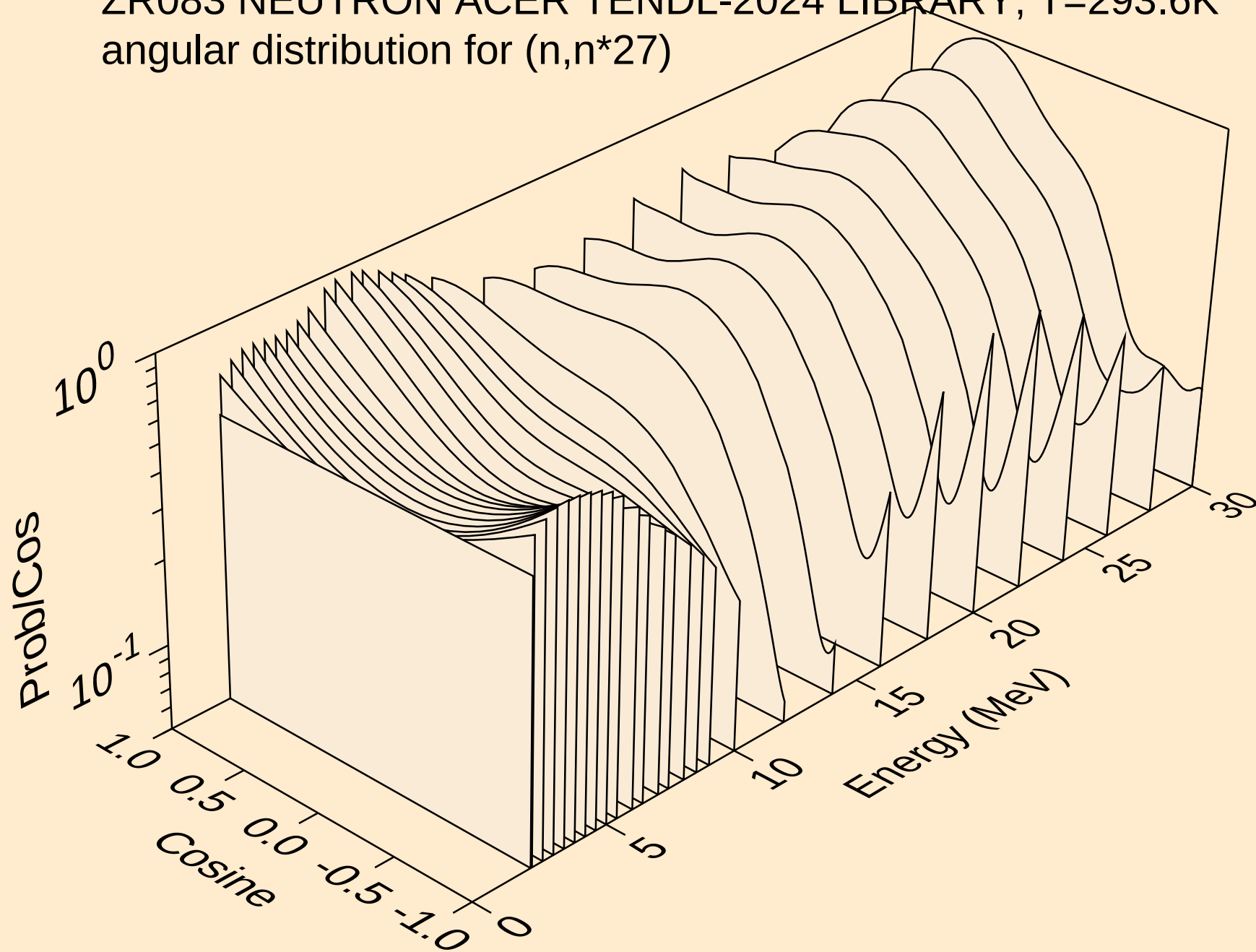
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*25)



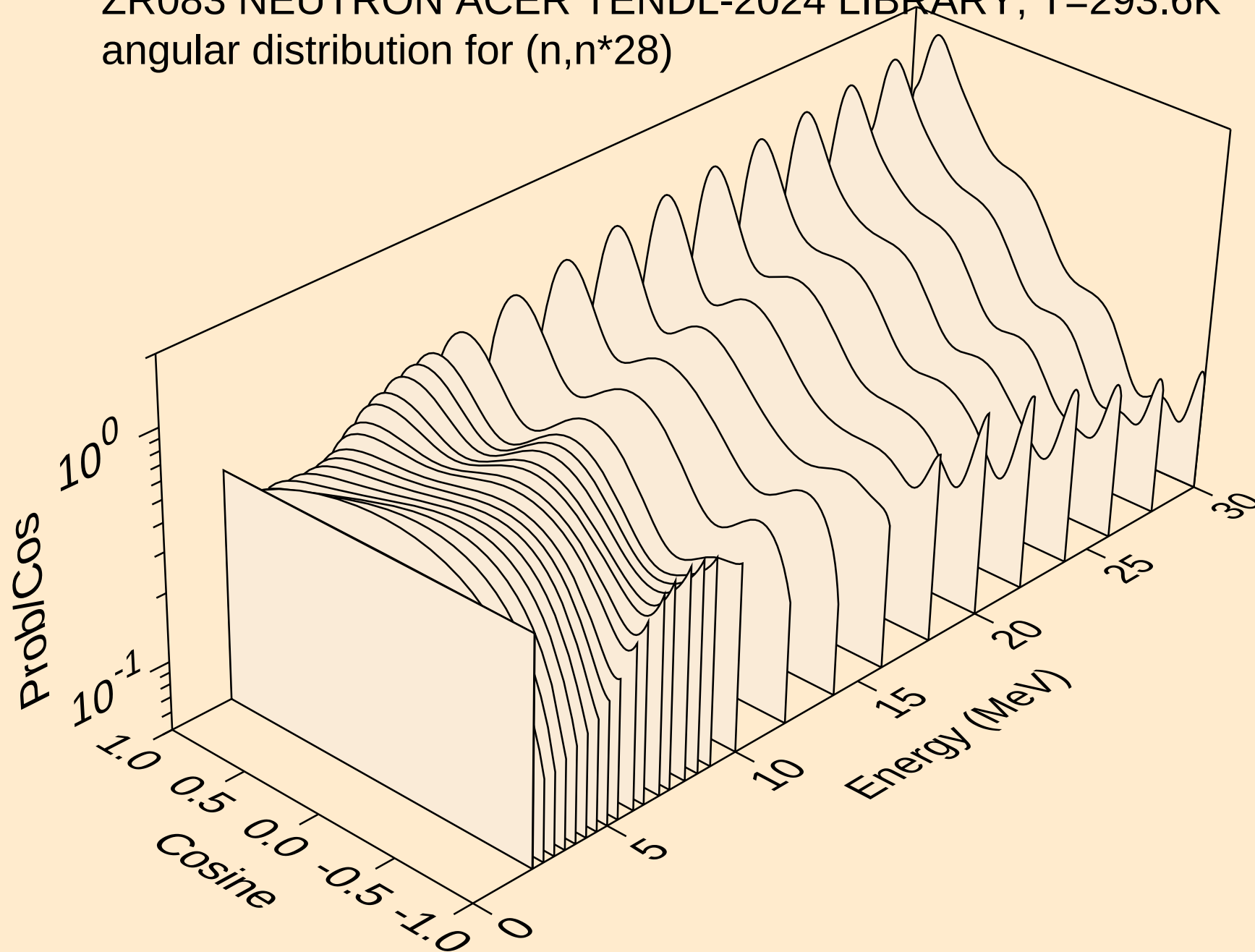
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*26)



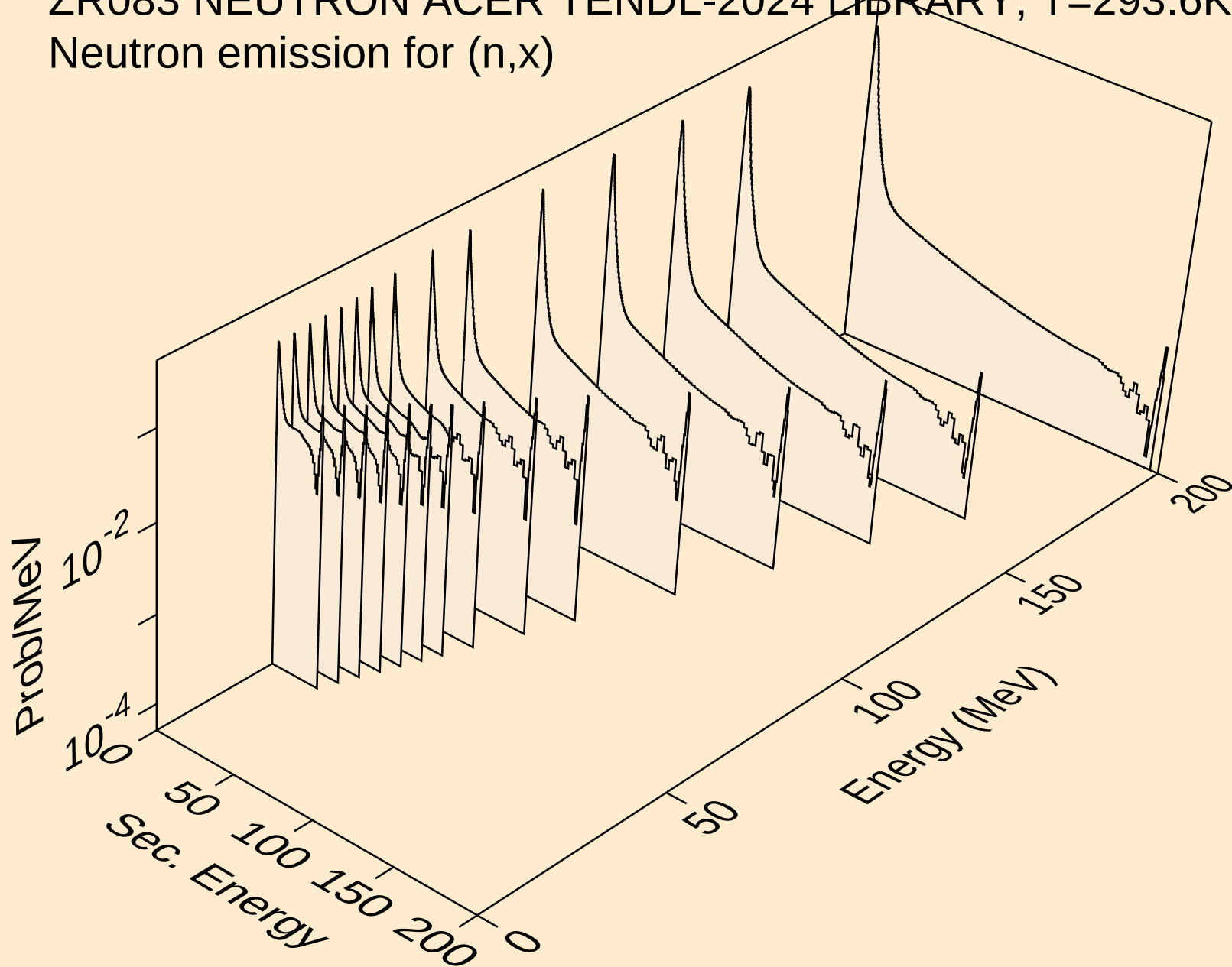
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*27)



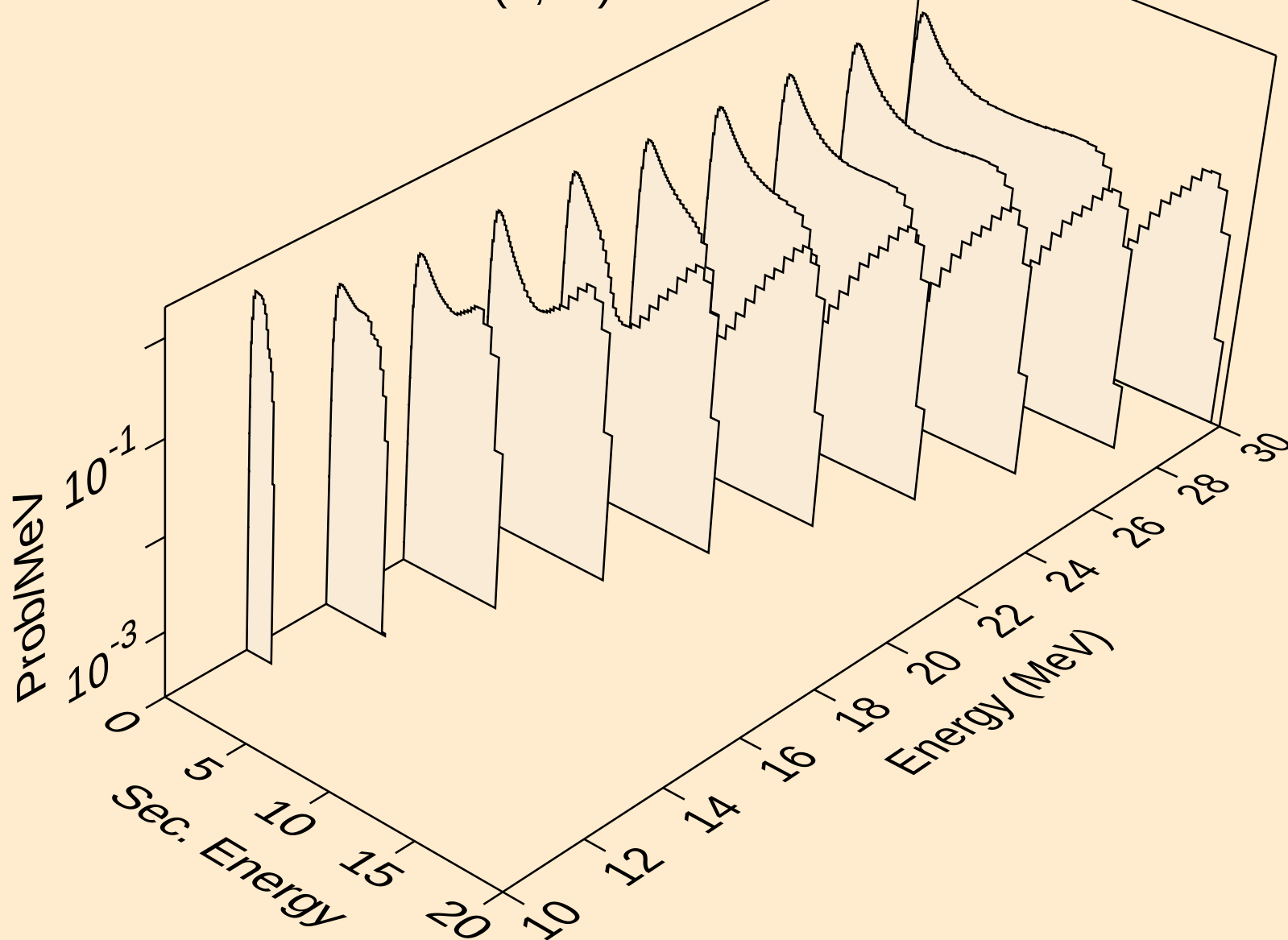
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*28)



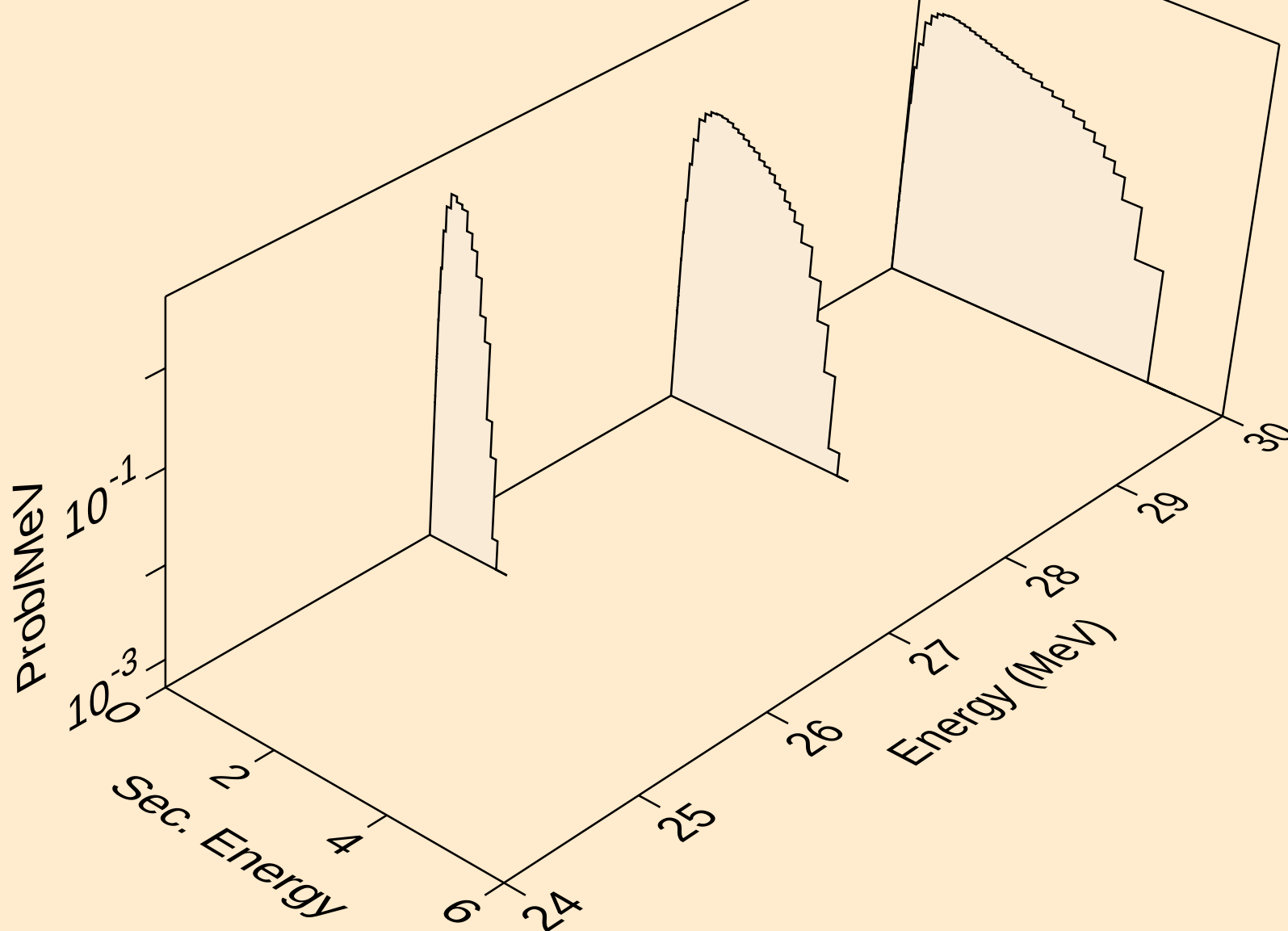
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)



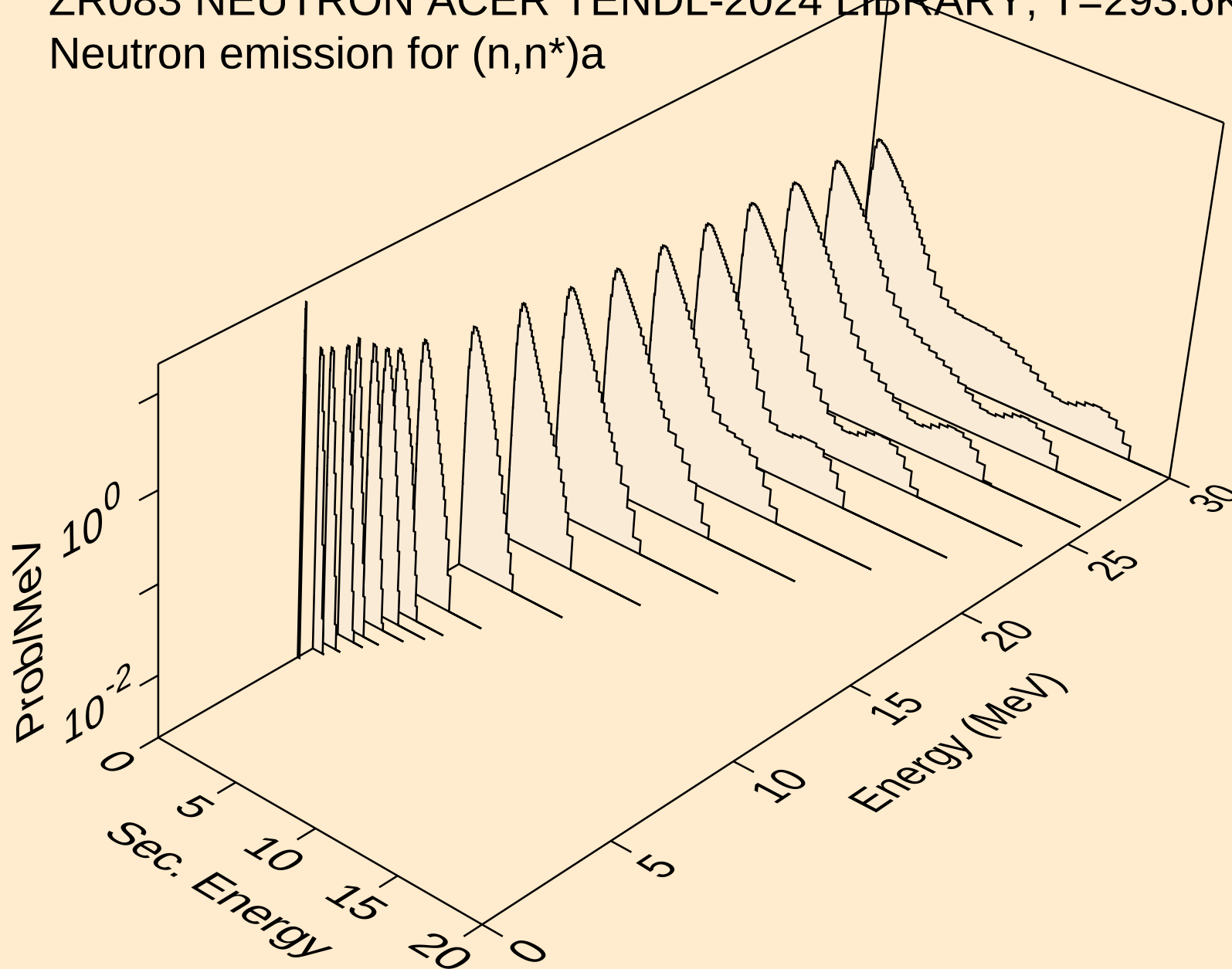
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)



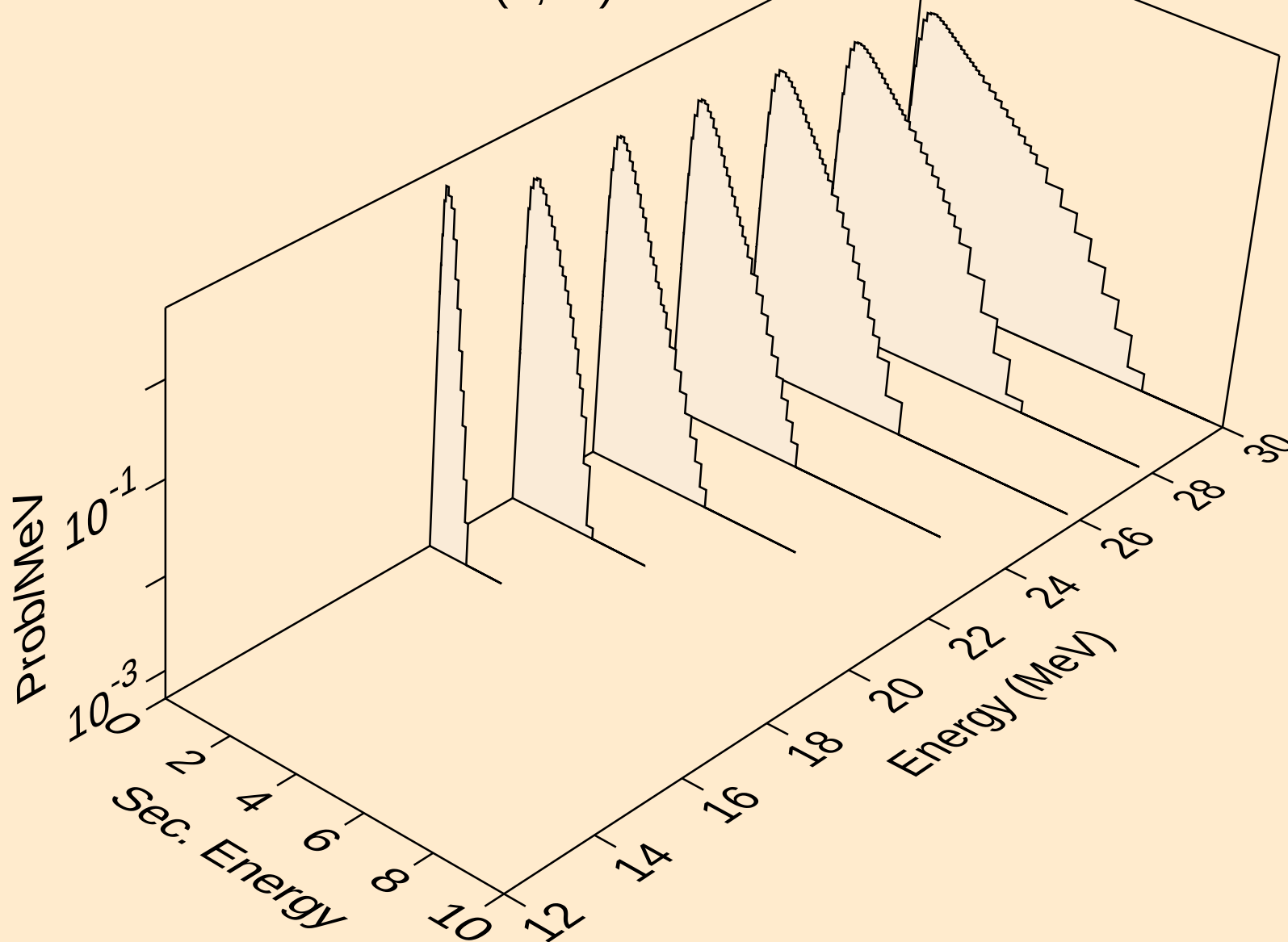
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)



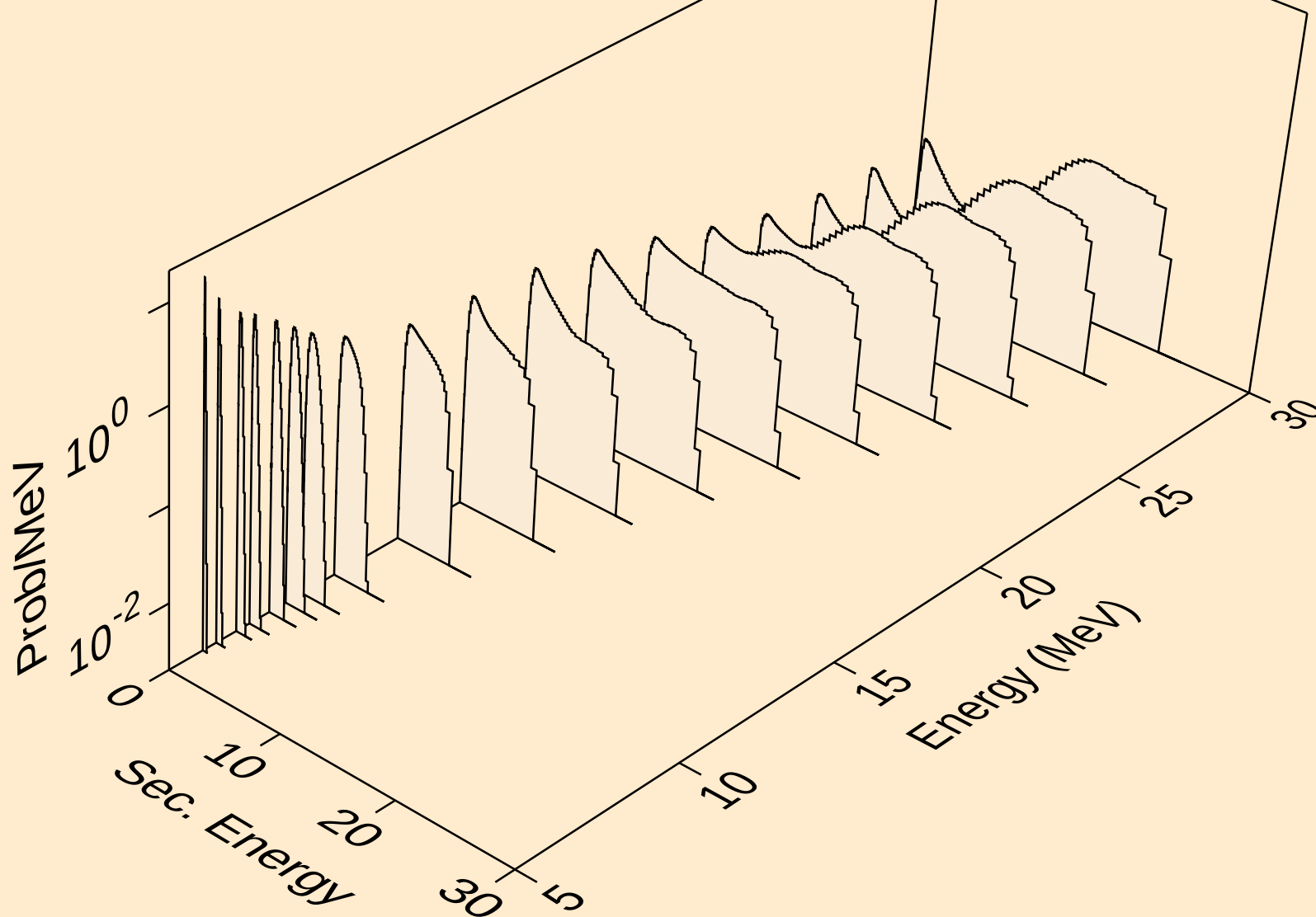
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)a



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)_a

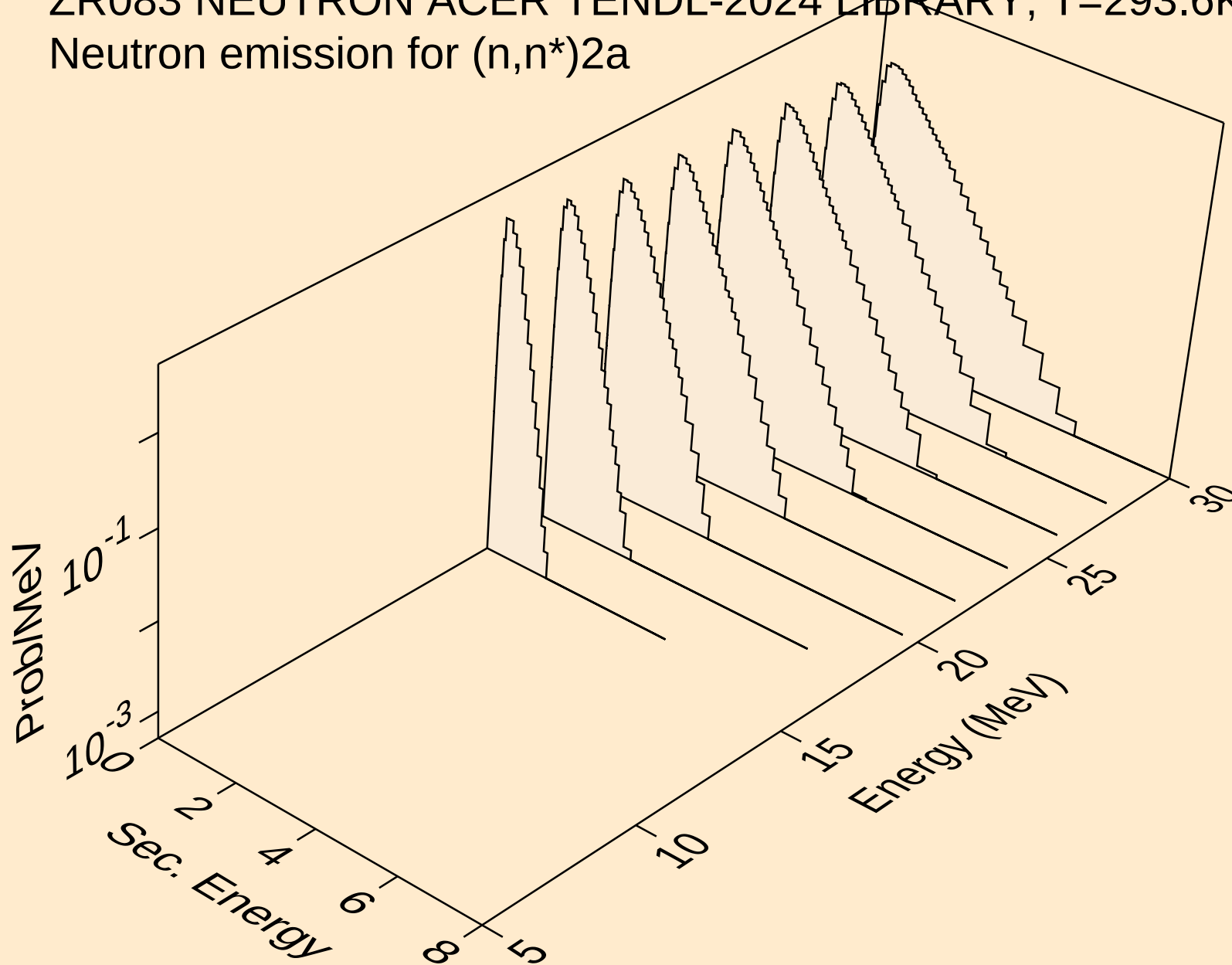


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



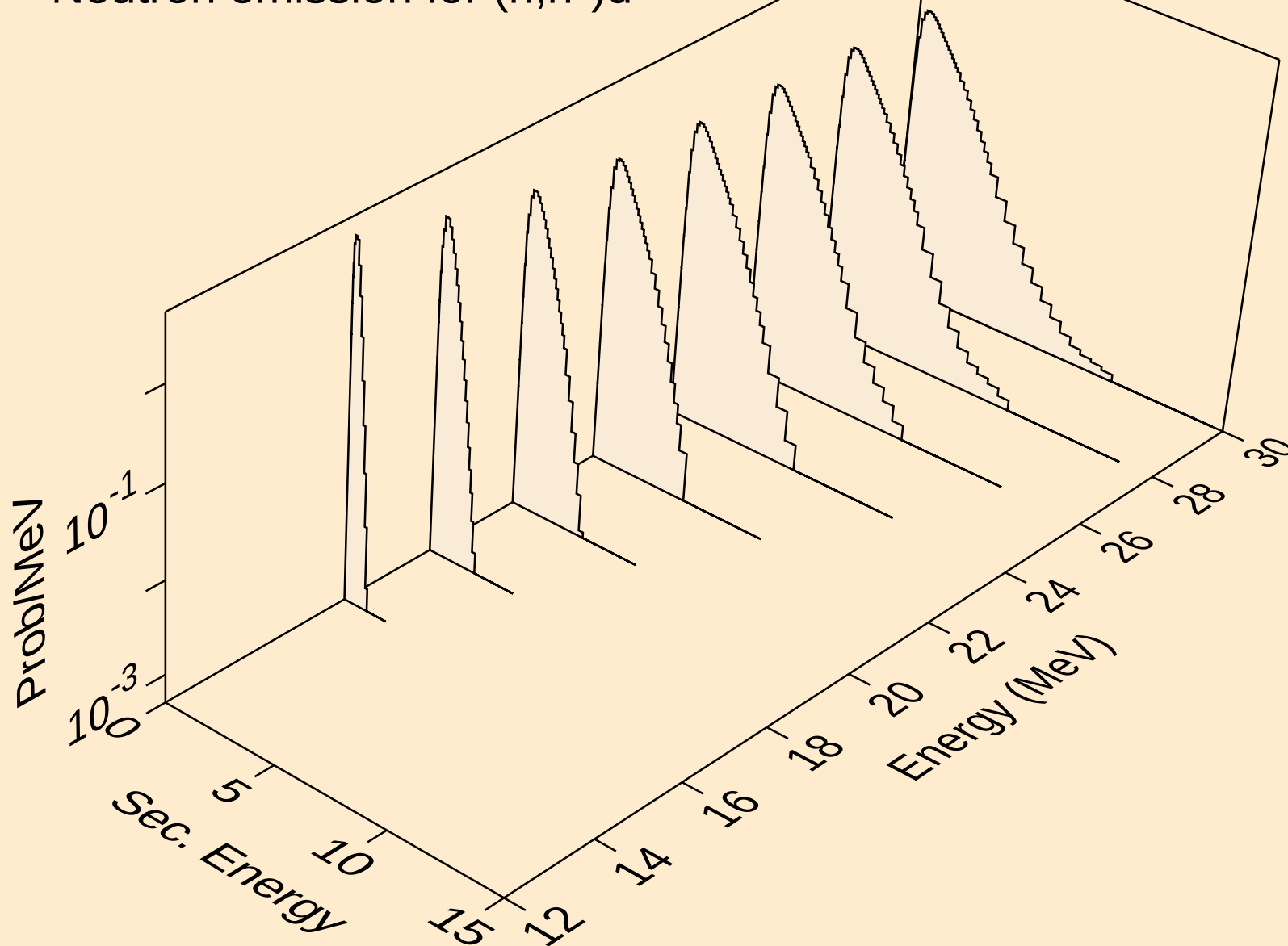
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Neutron emission for (n,n*)2a

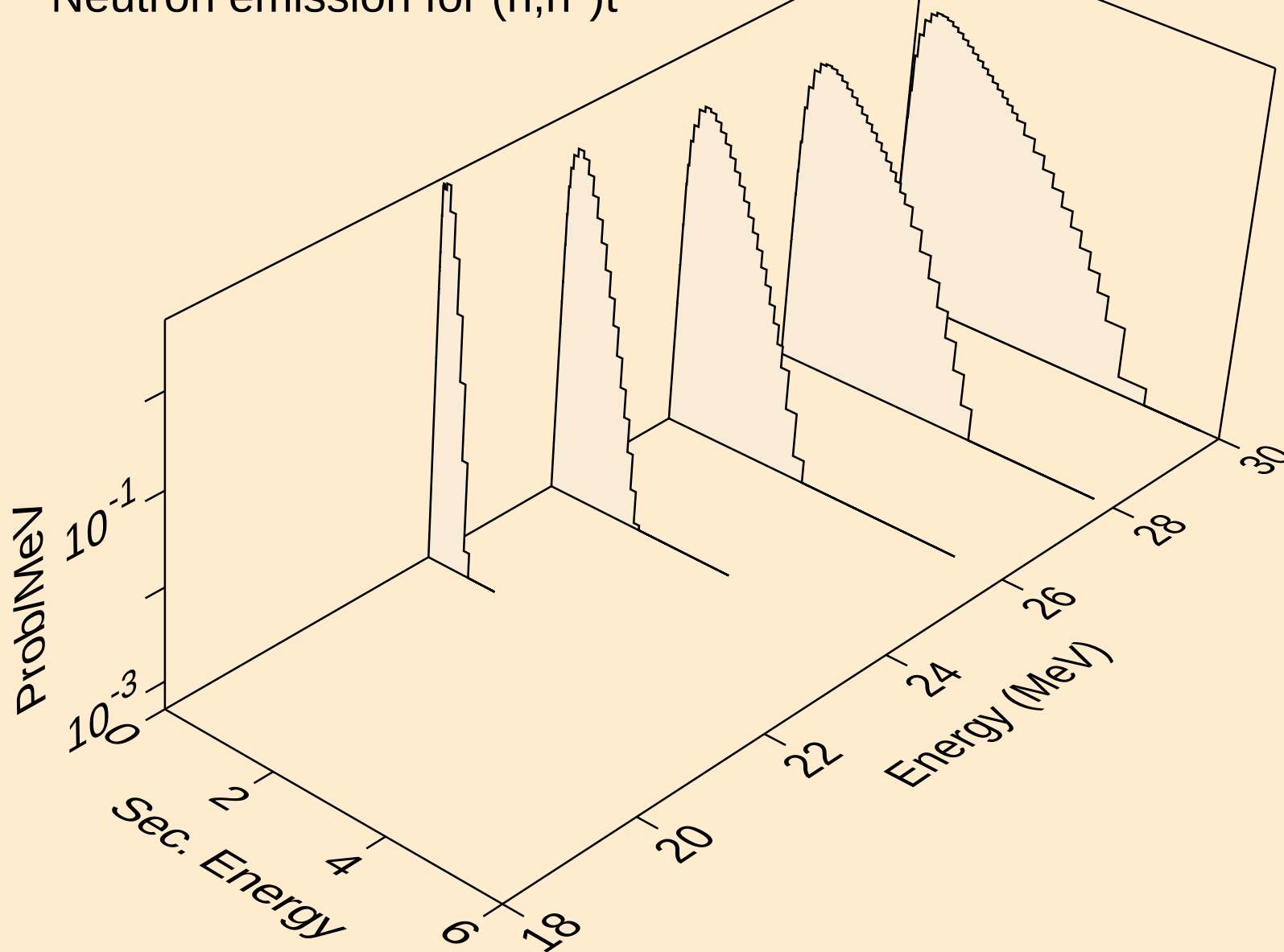


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

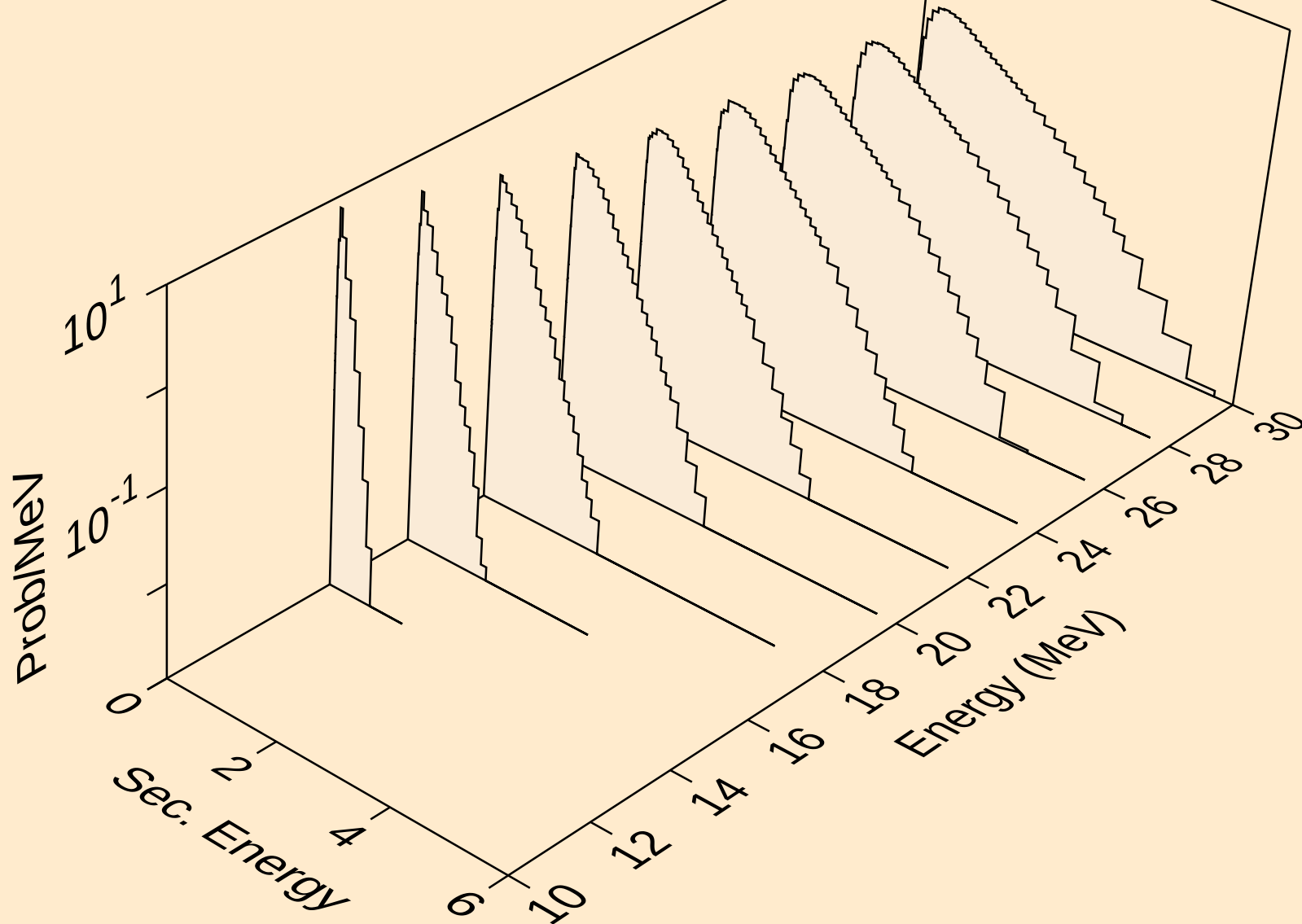
Neutron emission for (n,n*)d



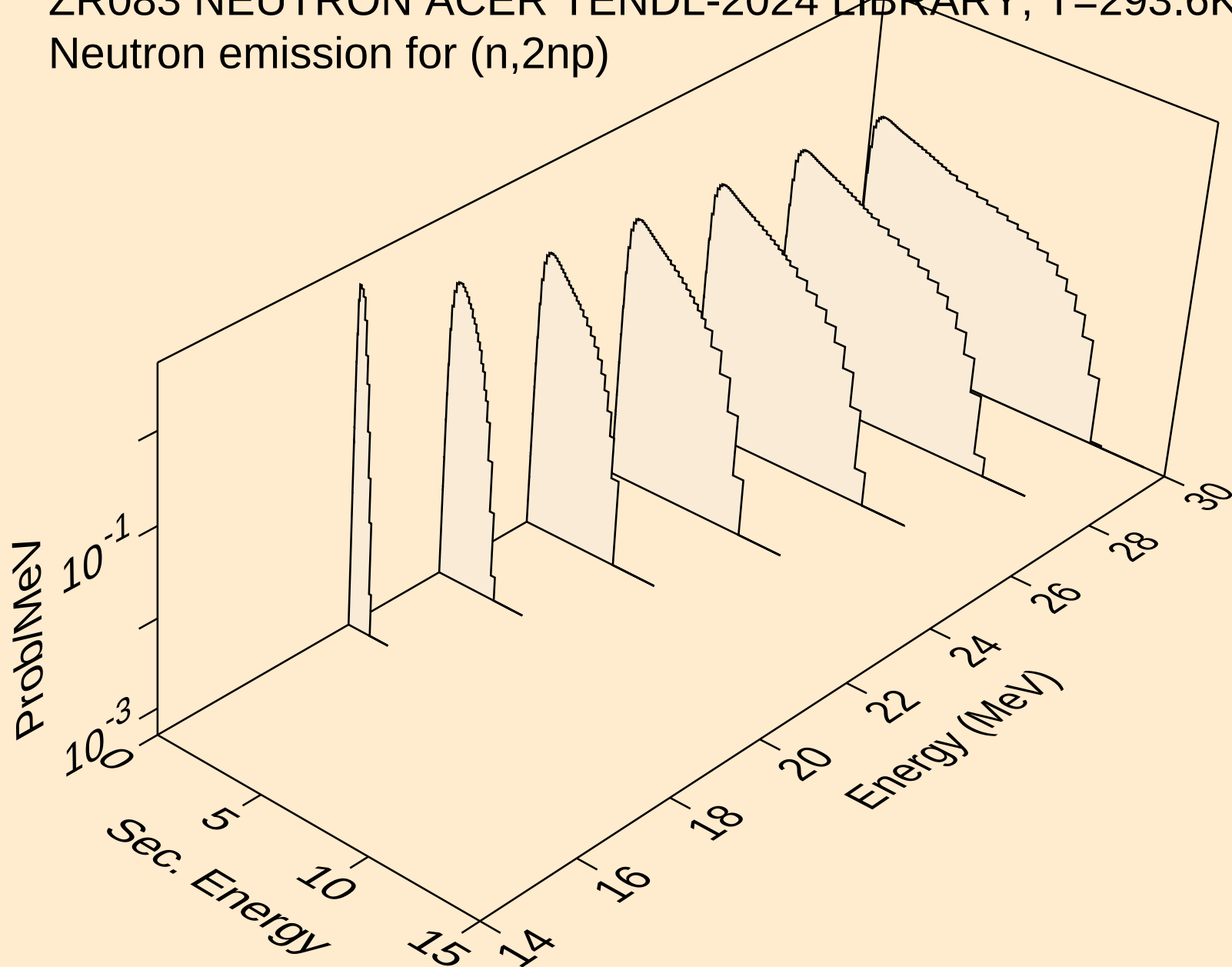
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)t



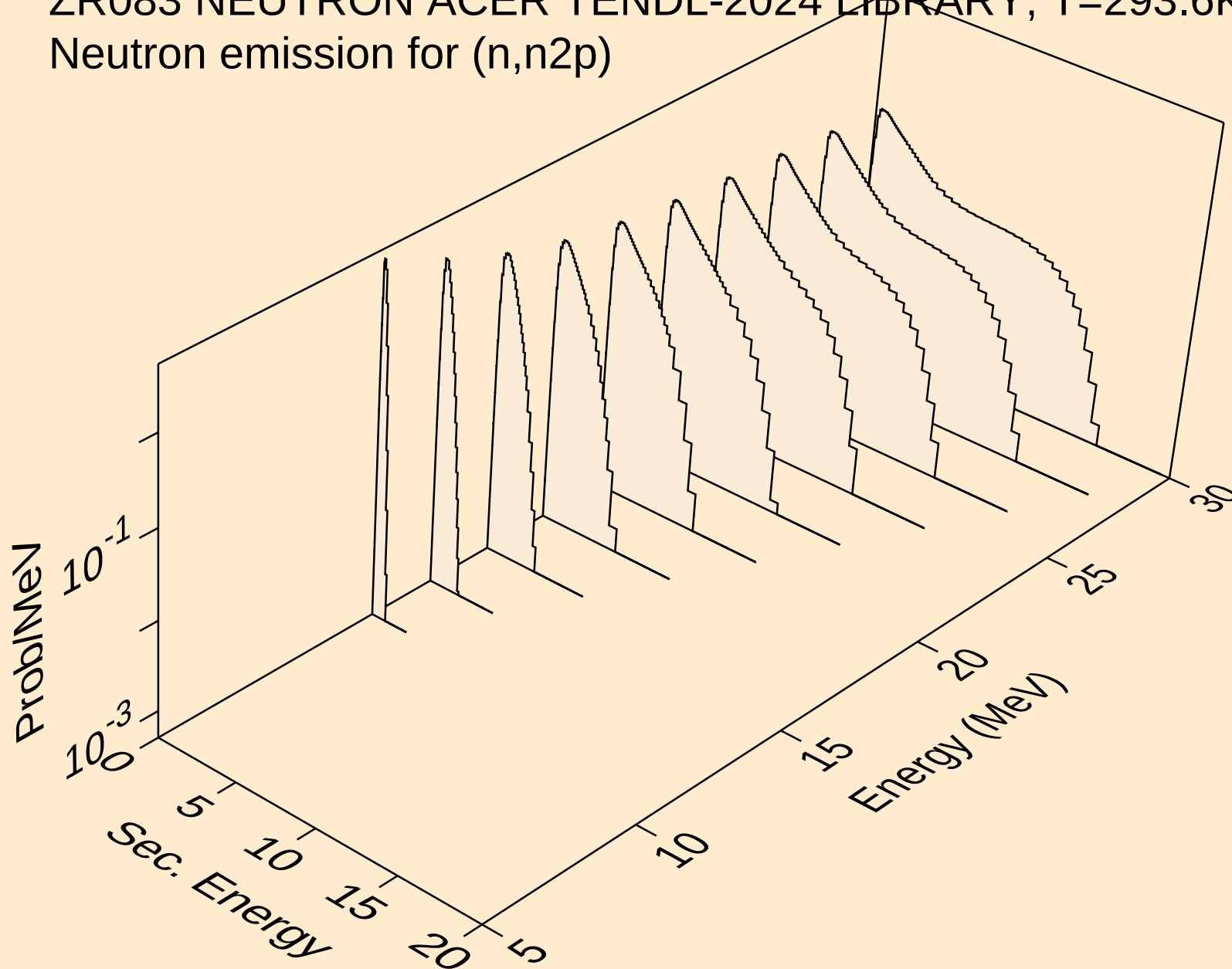
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



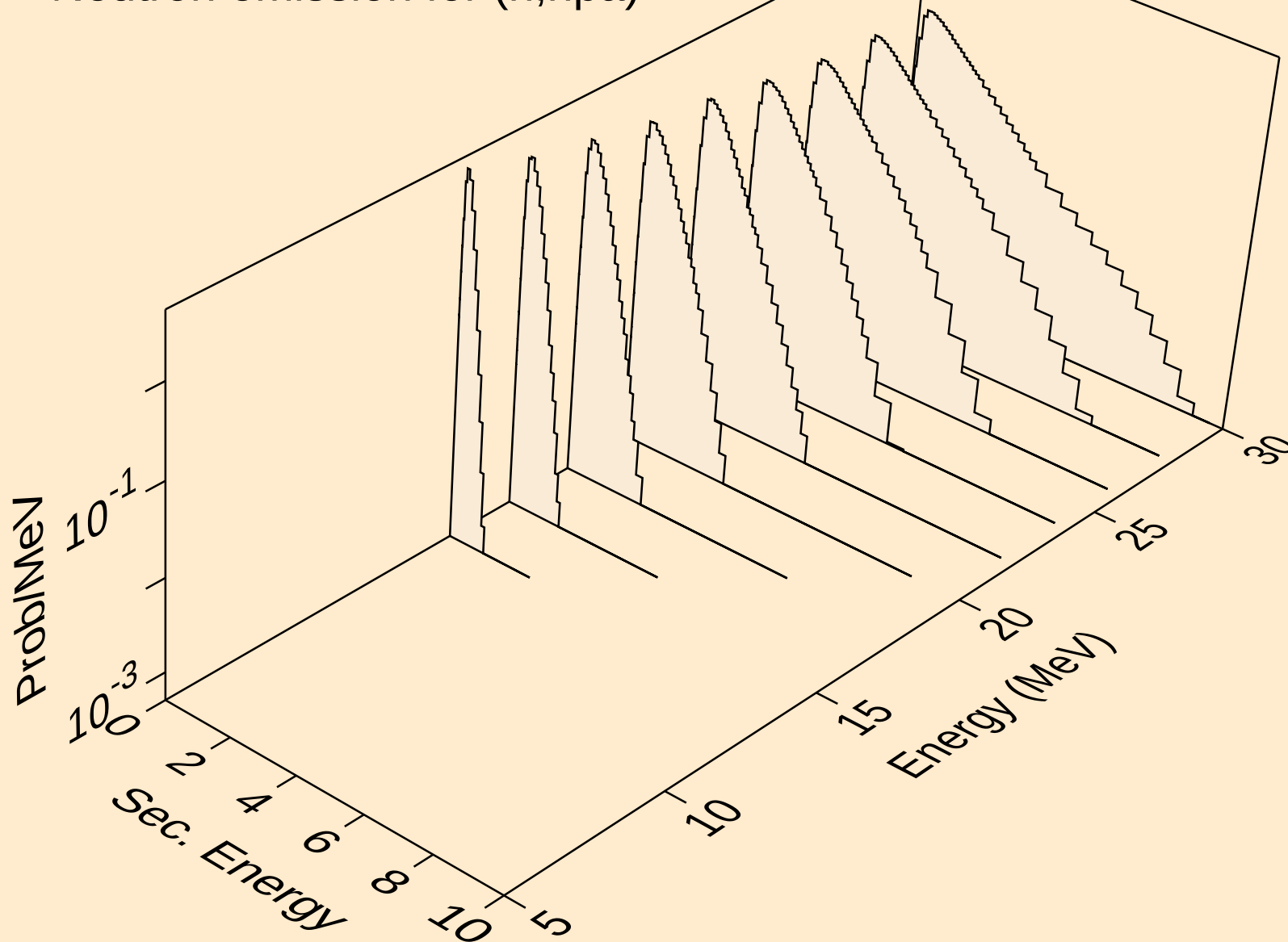
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2np)



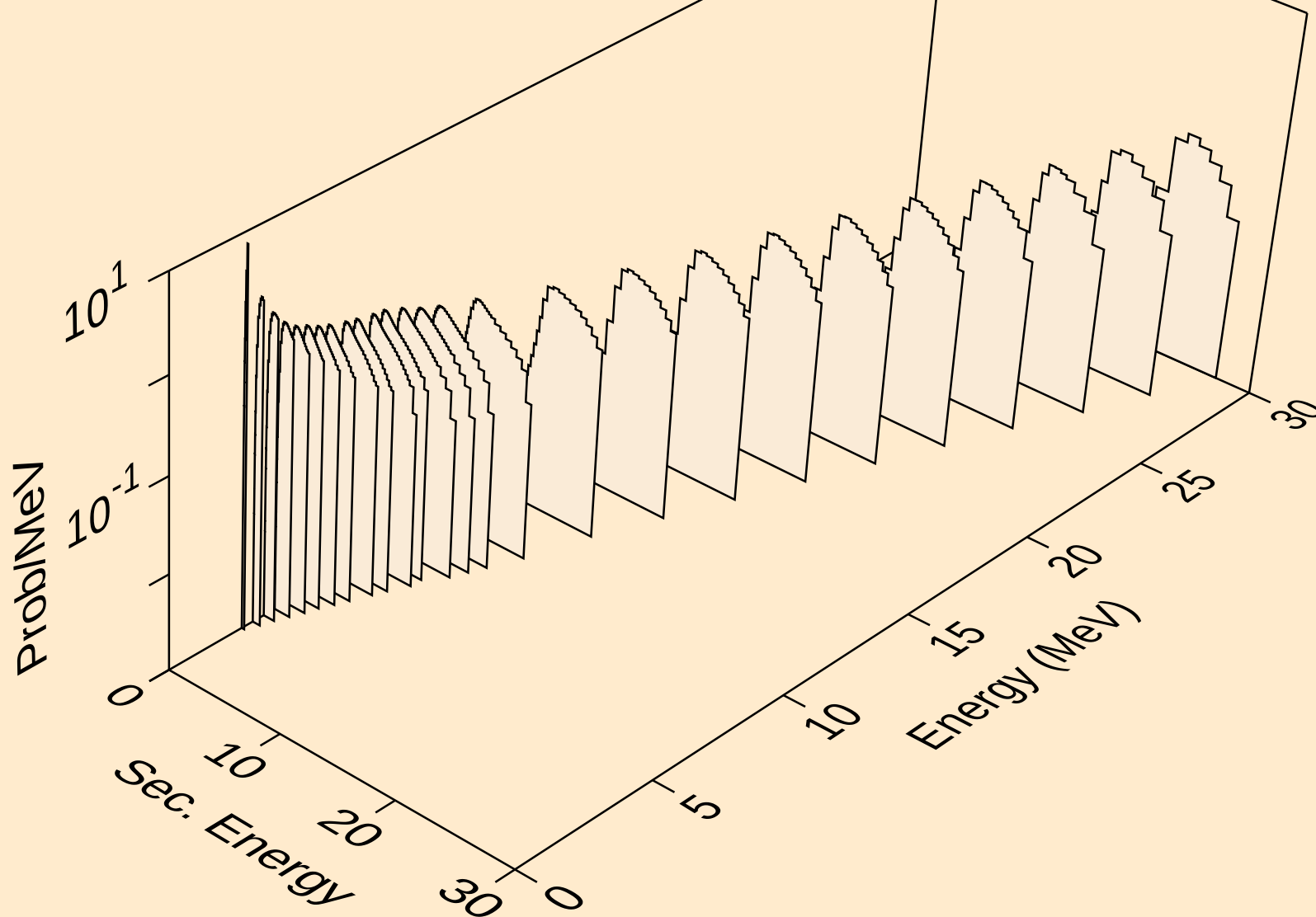
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n2p)



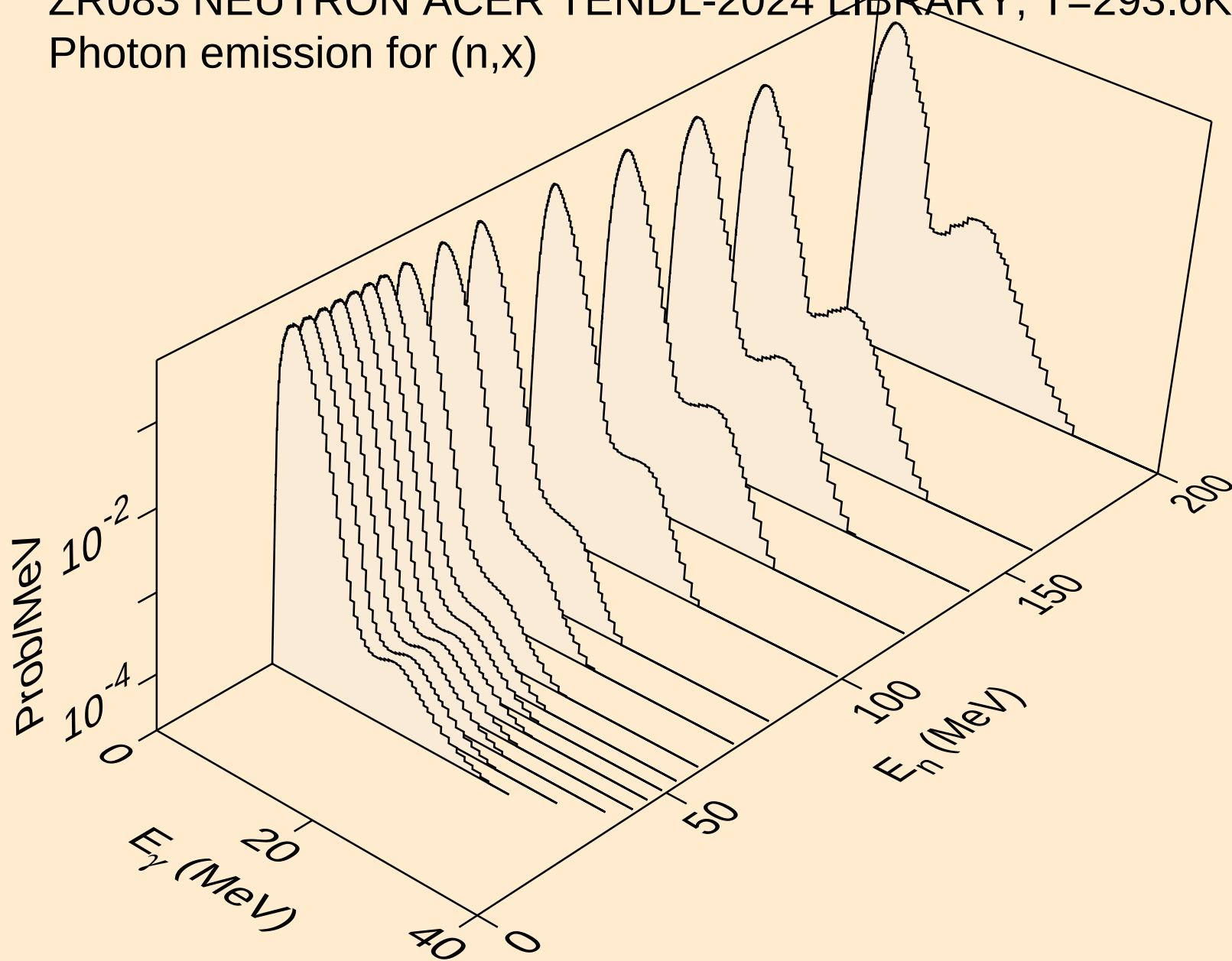
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,npa)



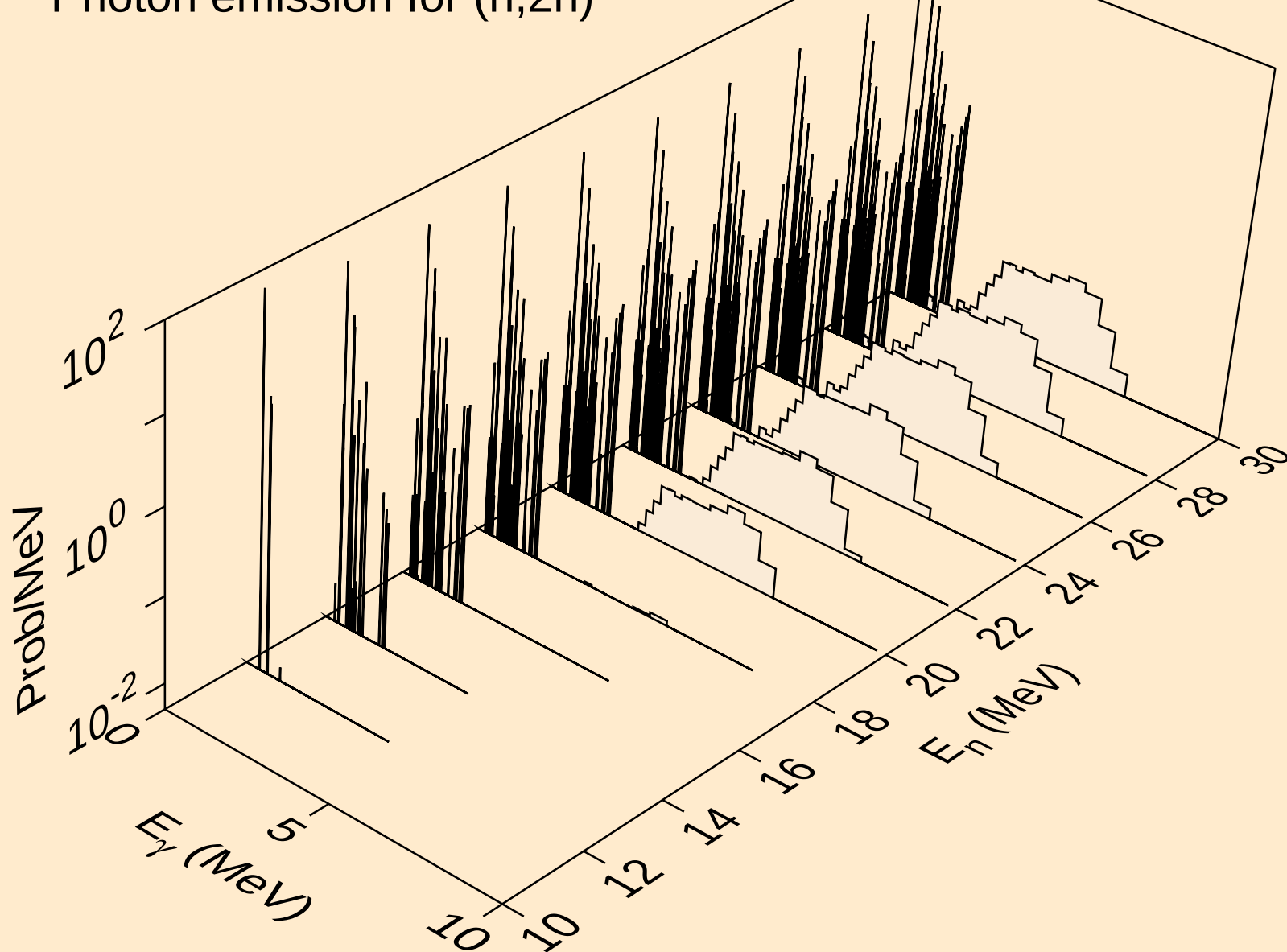
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



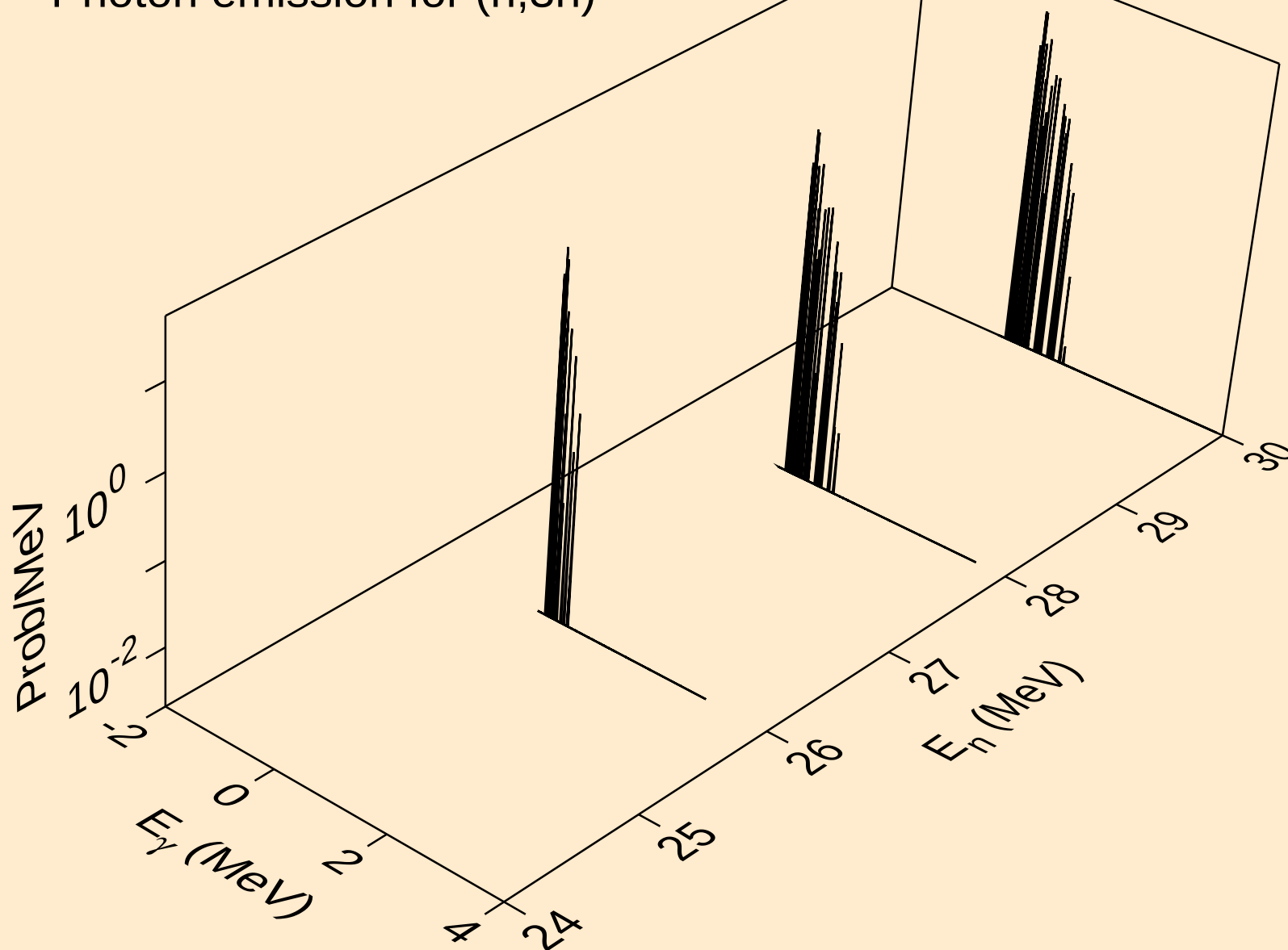
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)

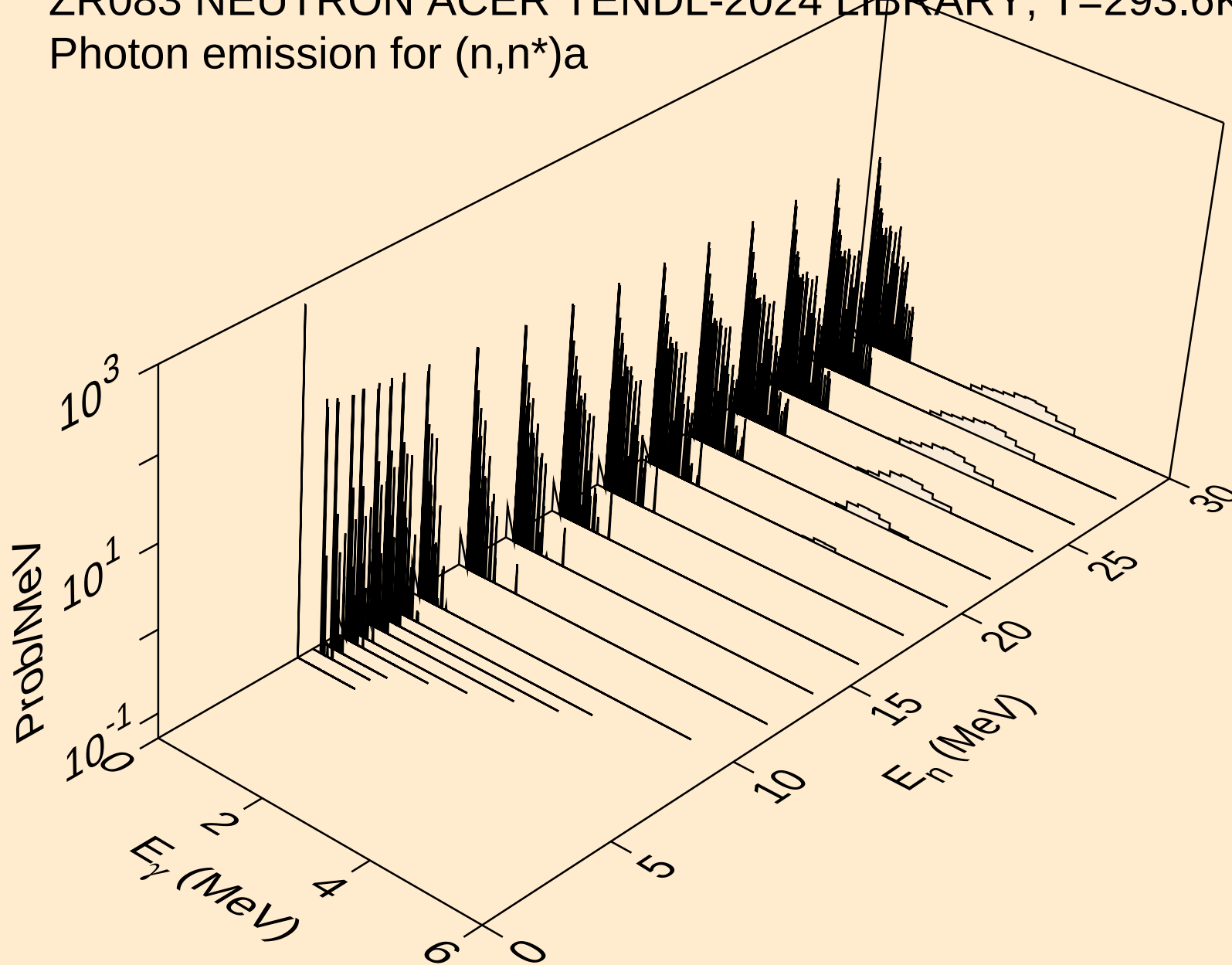


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)



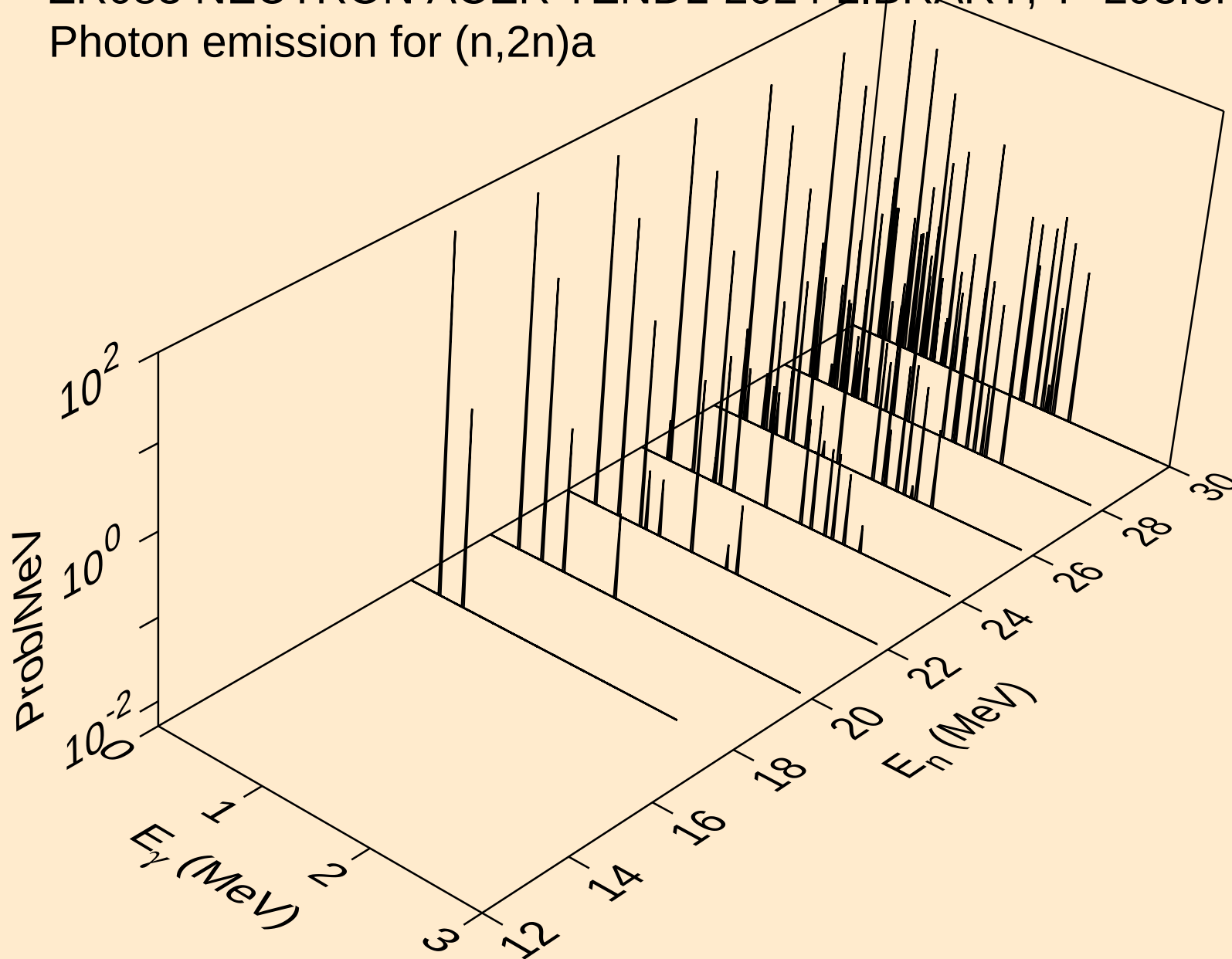
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Photon emission for (n,n*)a



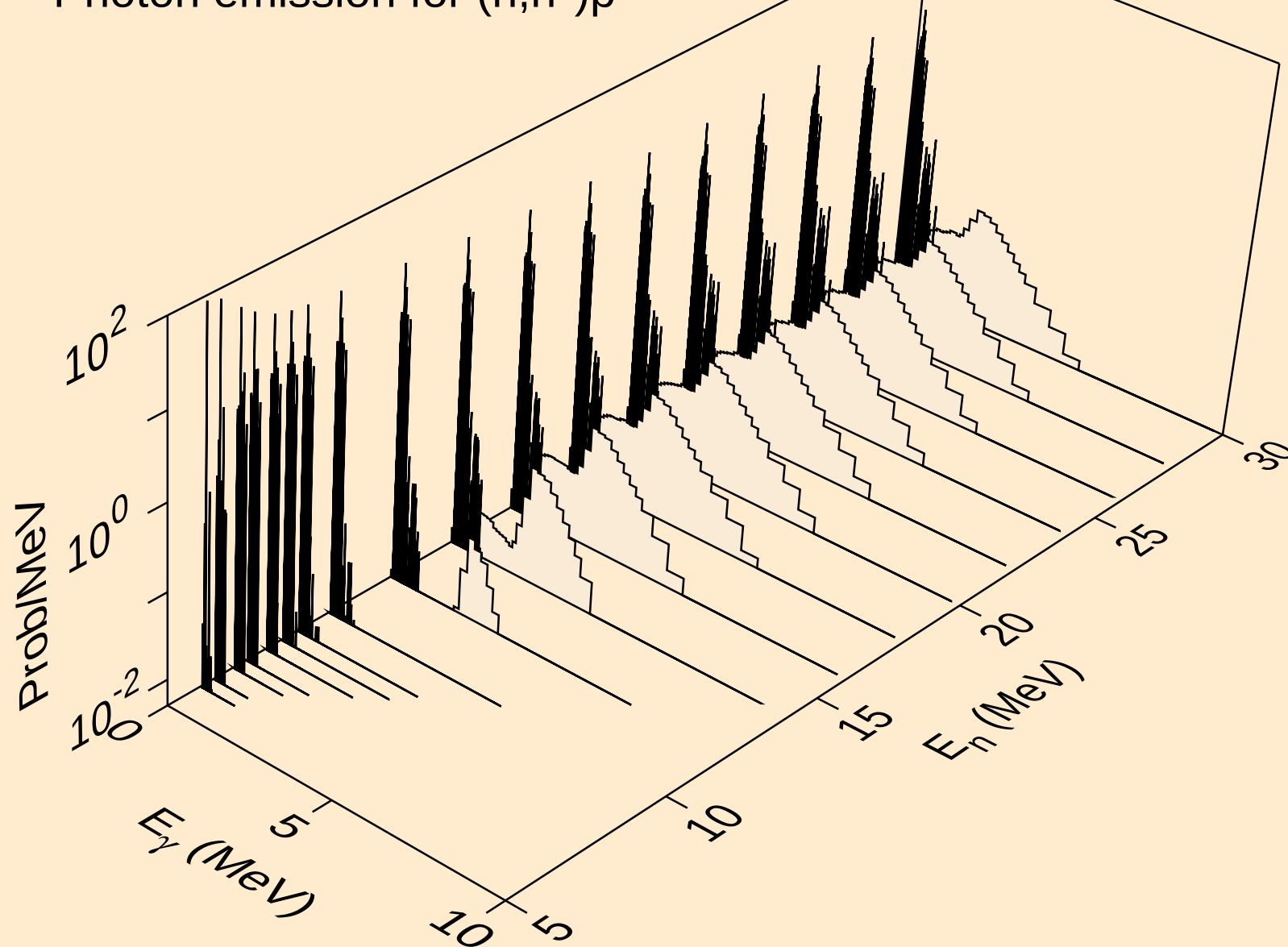
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Photon emission for (n,2n) α

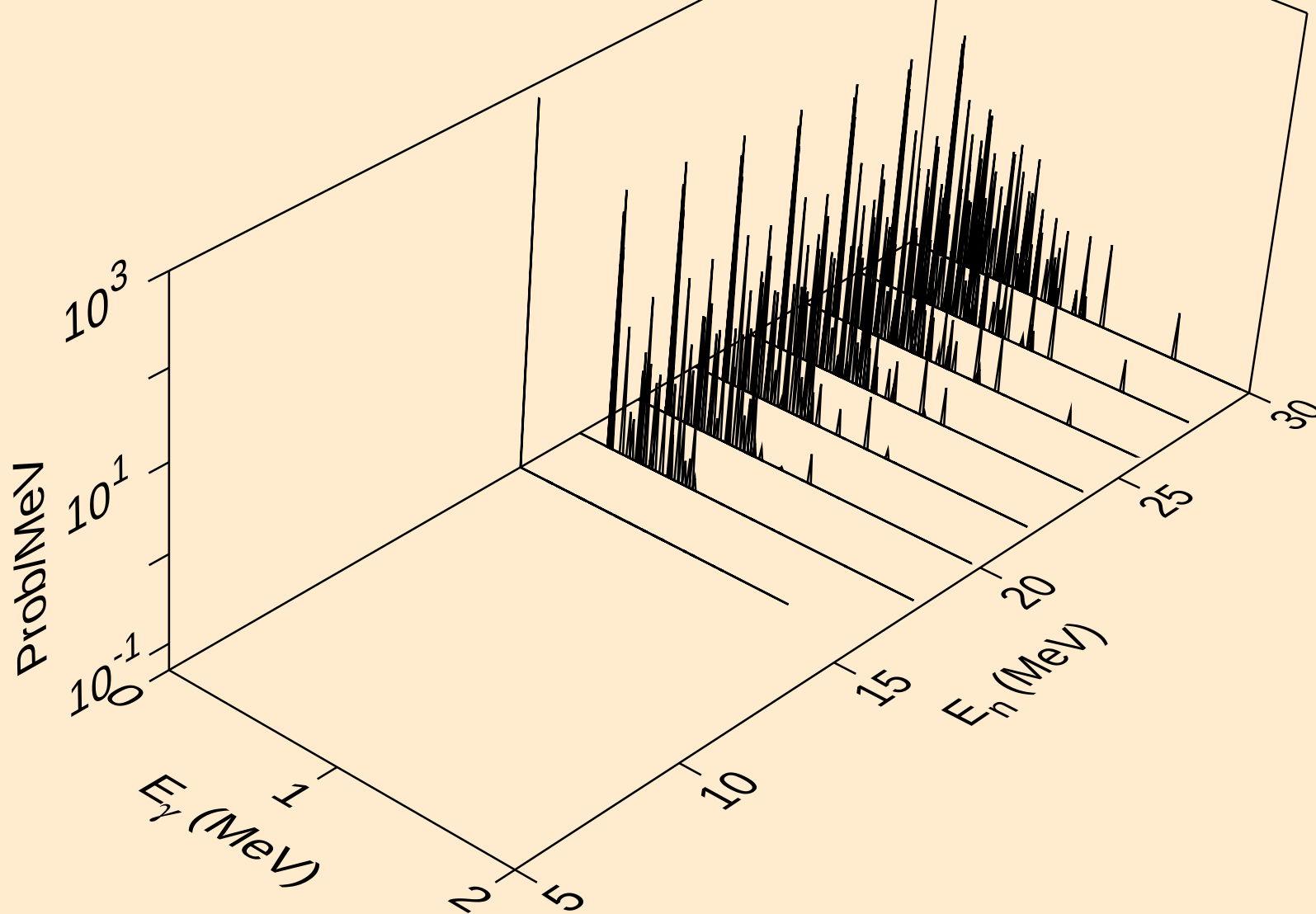


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Photon emission for (n,n*)p

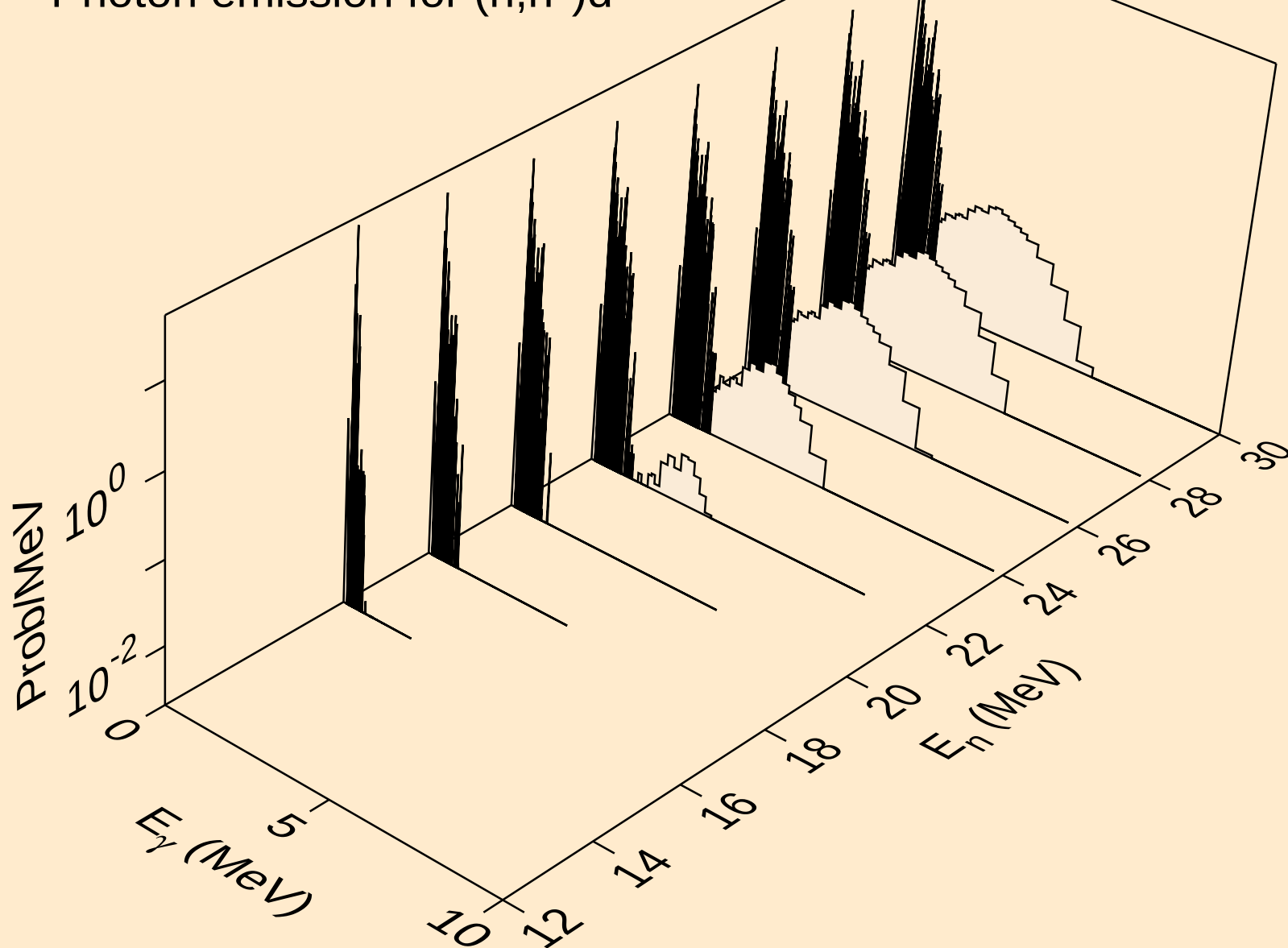


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)2a



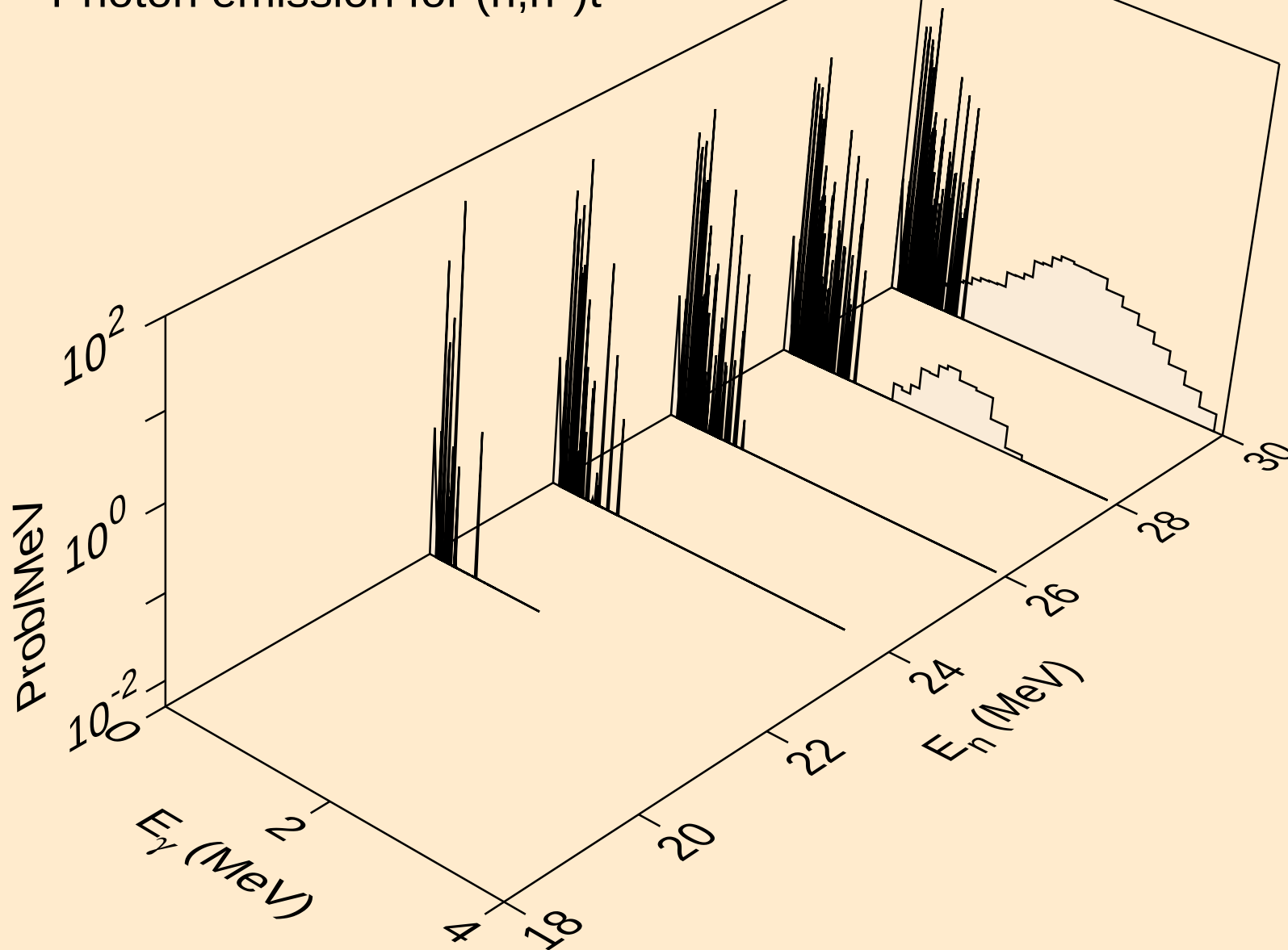
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Photon emission for (n,n*)d



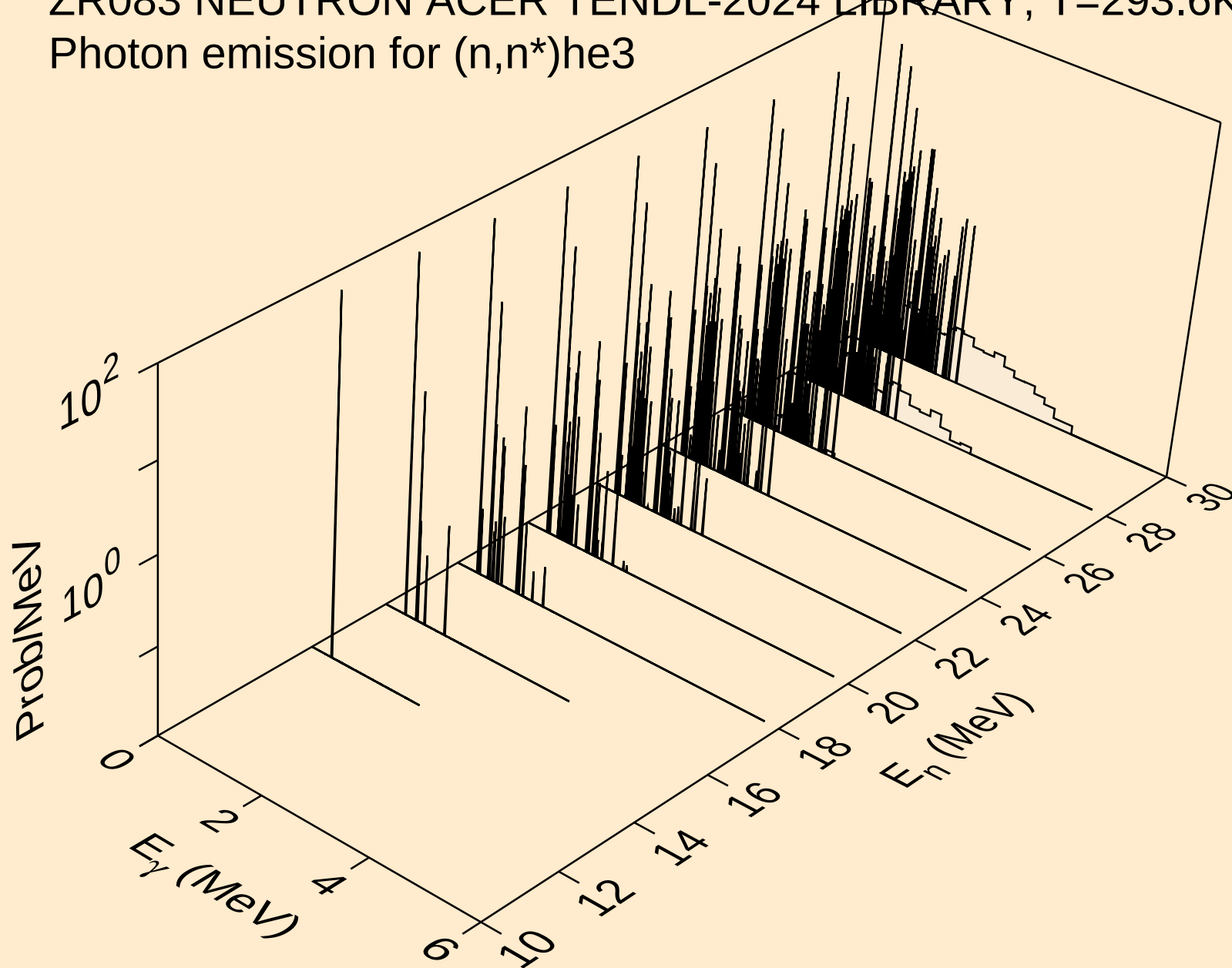
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Photon emission for (n,n*)t

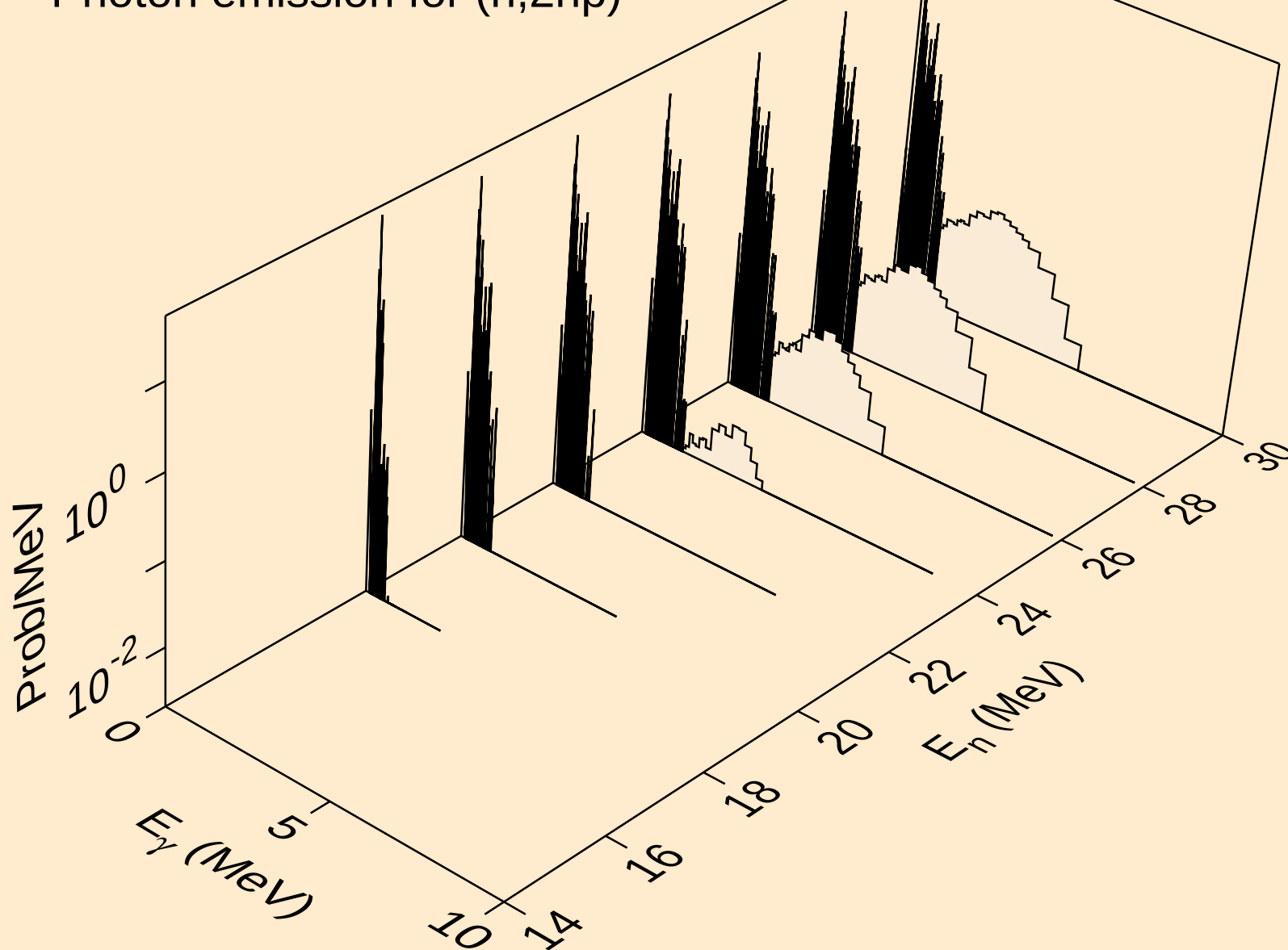


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

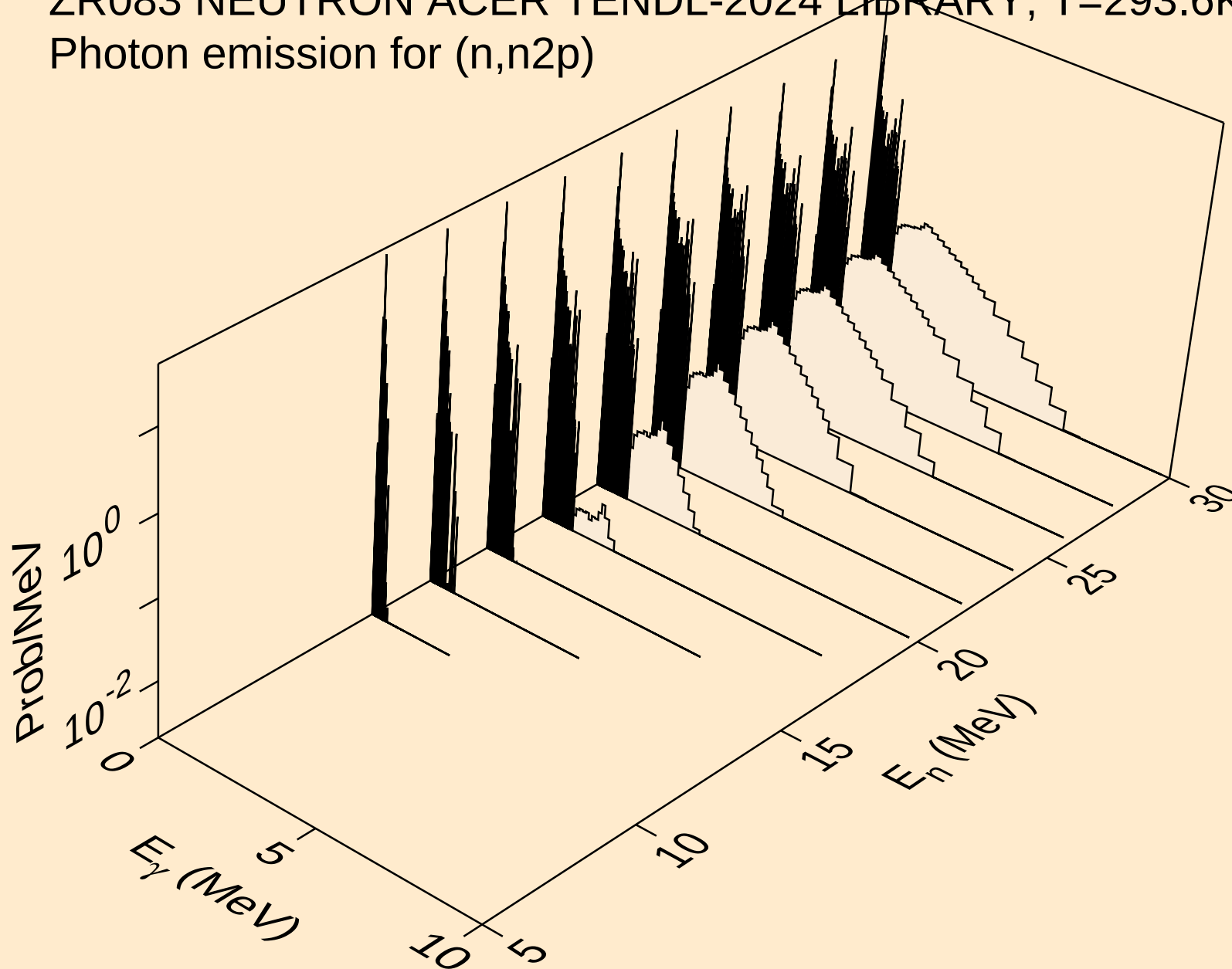
Photon emission for (n,n*)he3



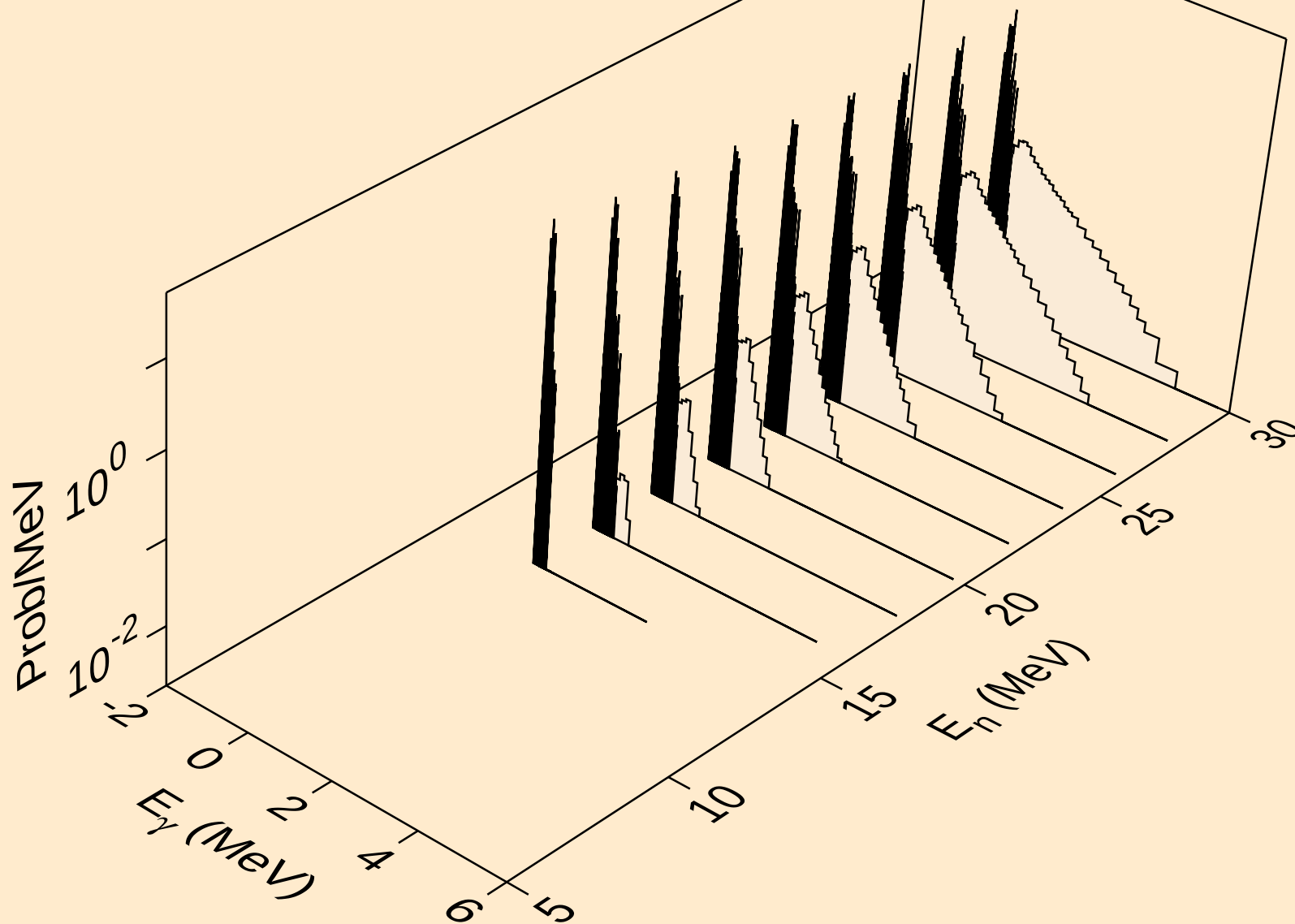
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2np)



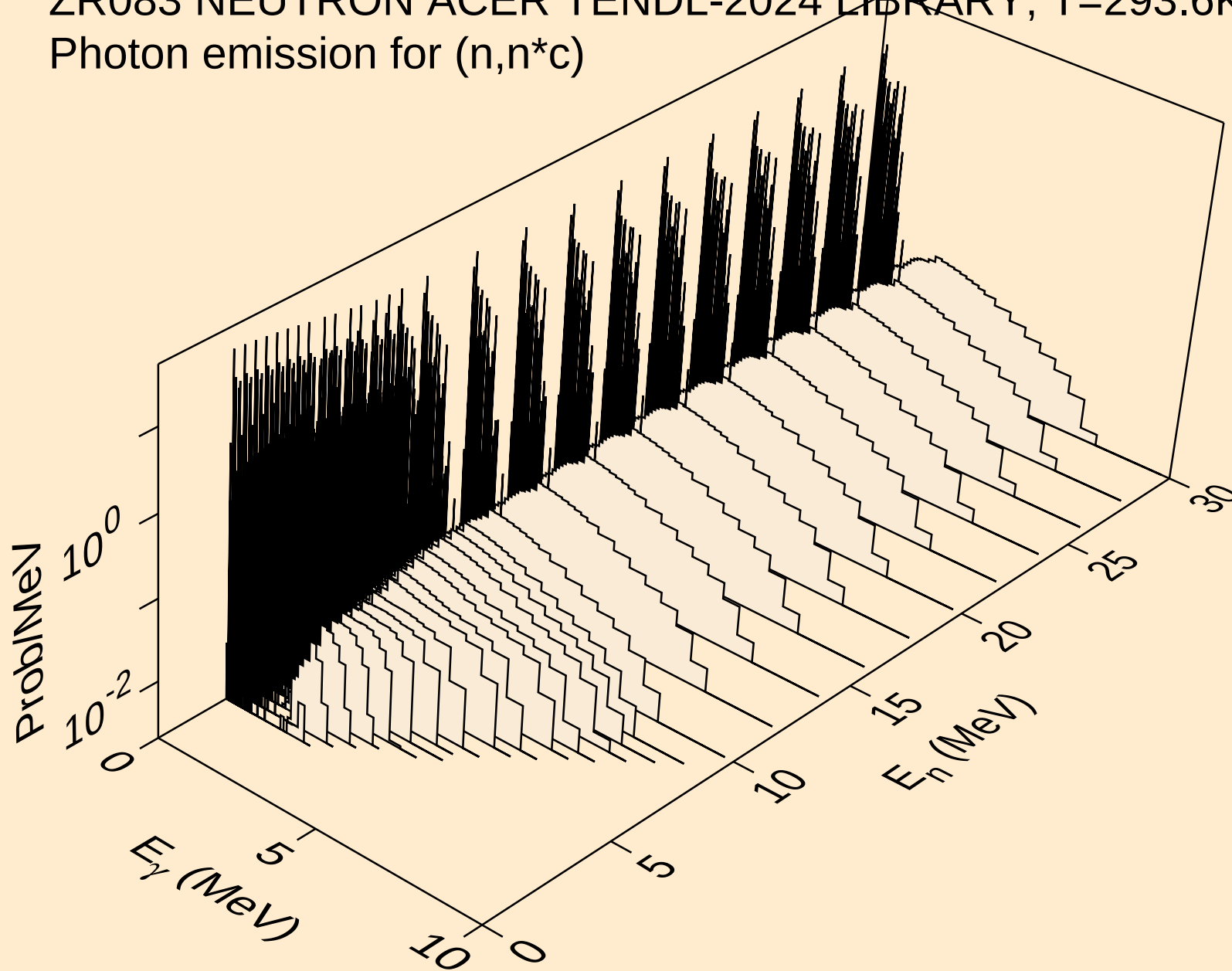
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n2p)



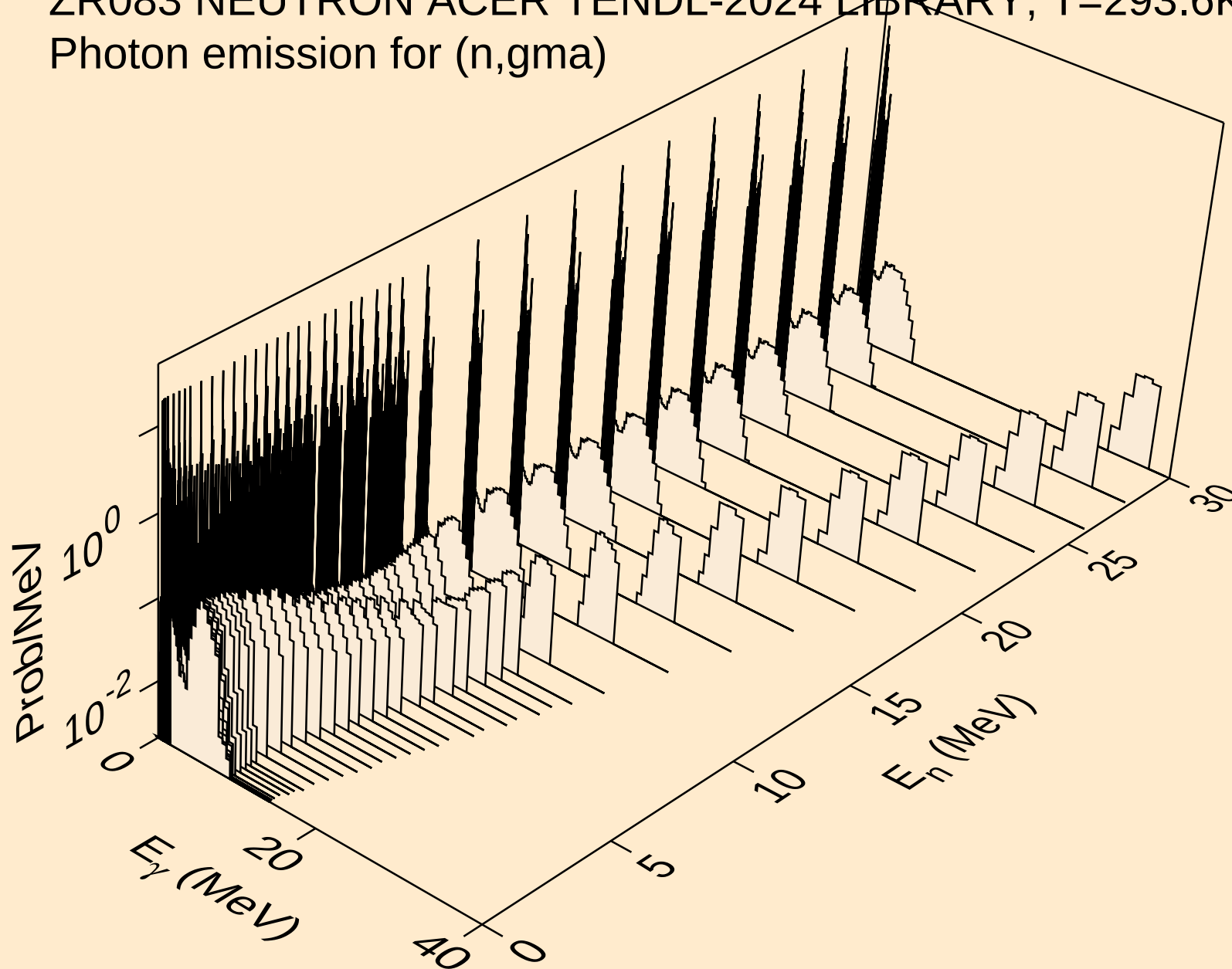
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,npa)



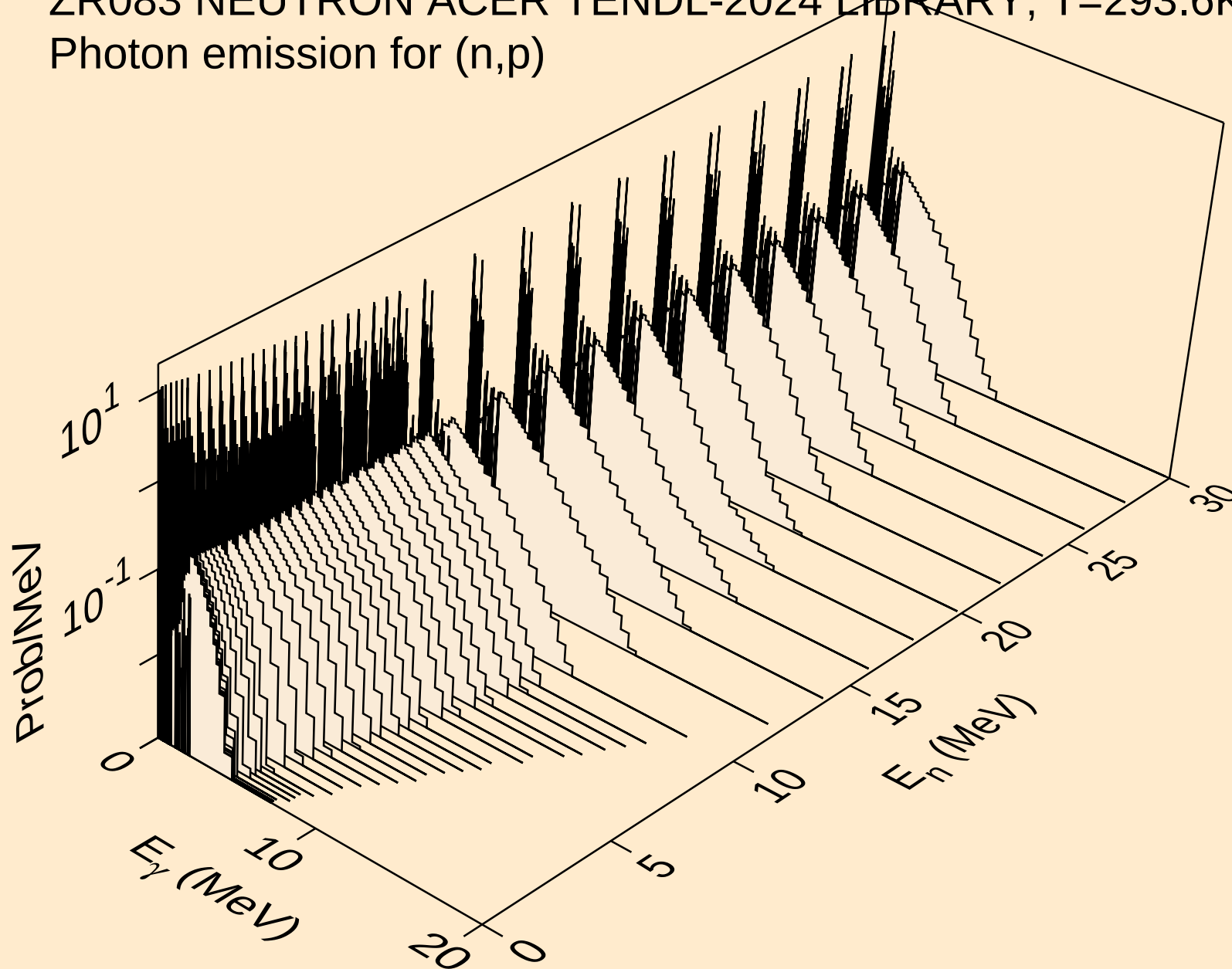
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*c)



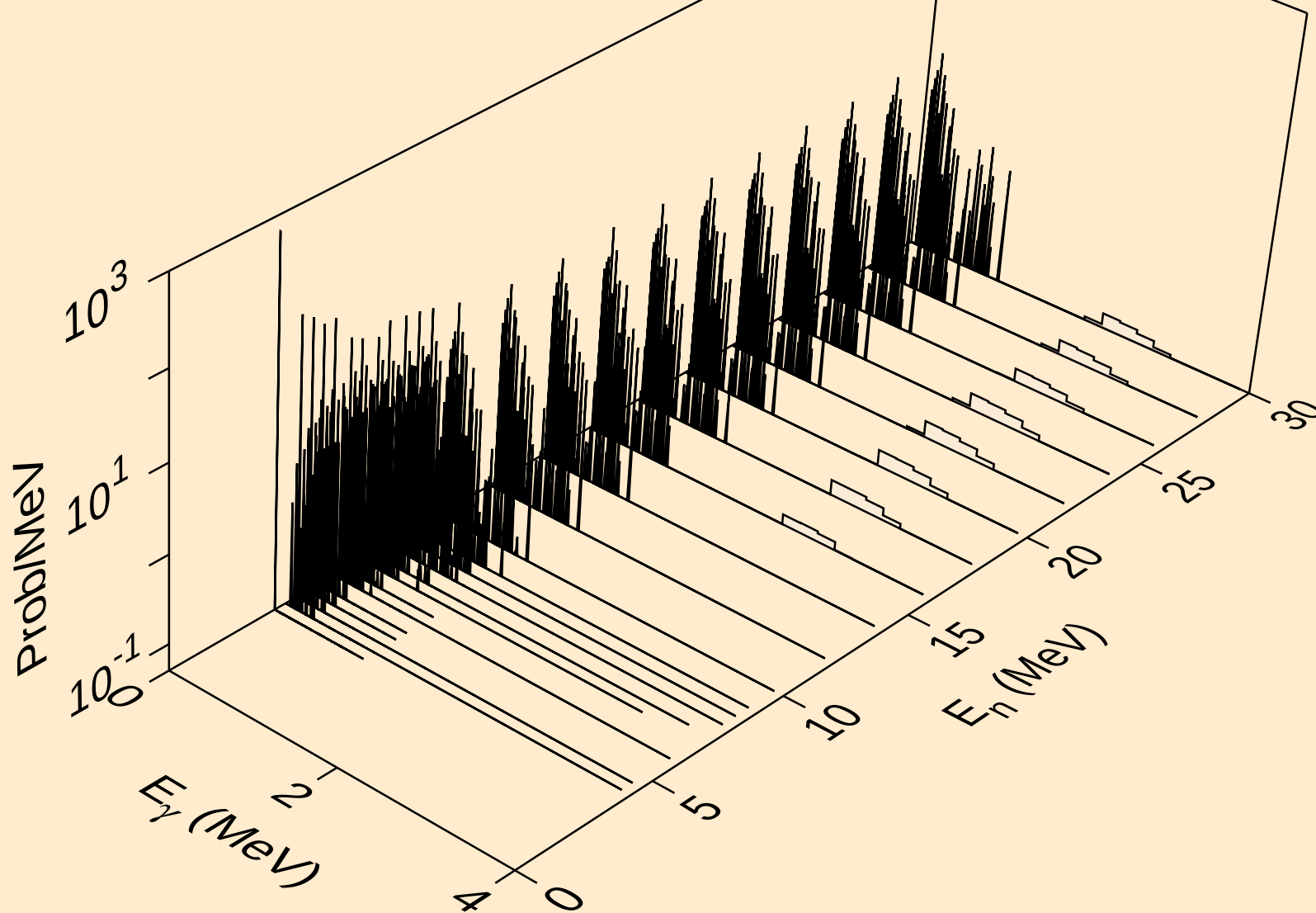
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,gma)



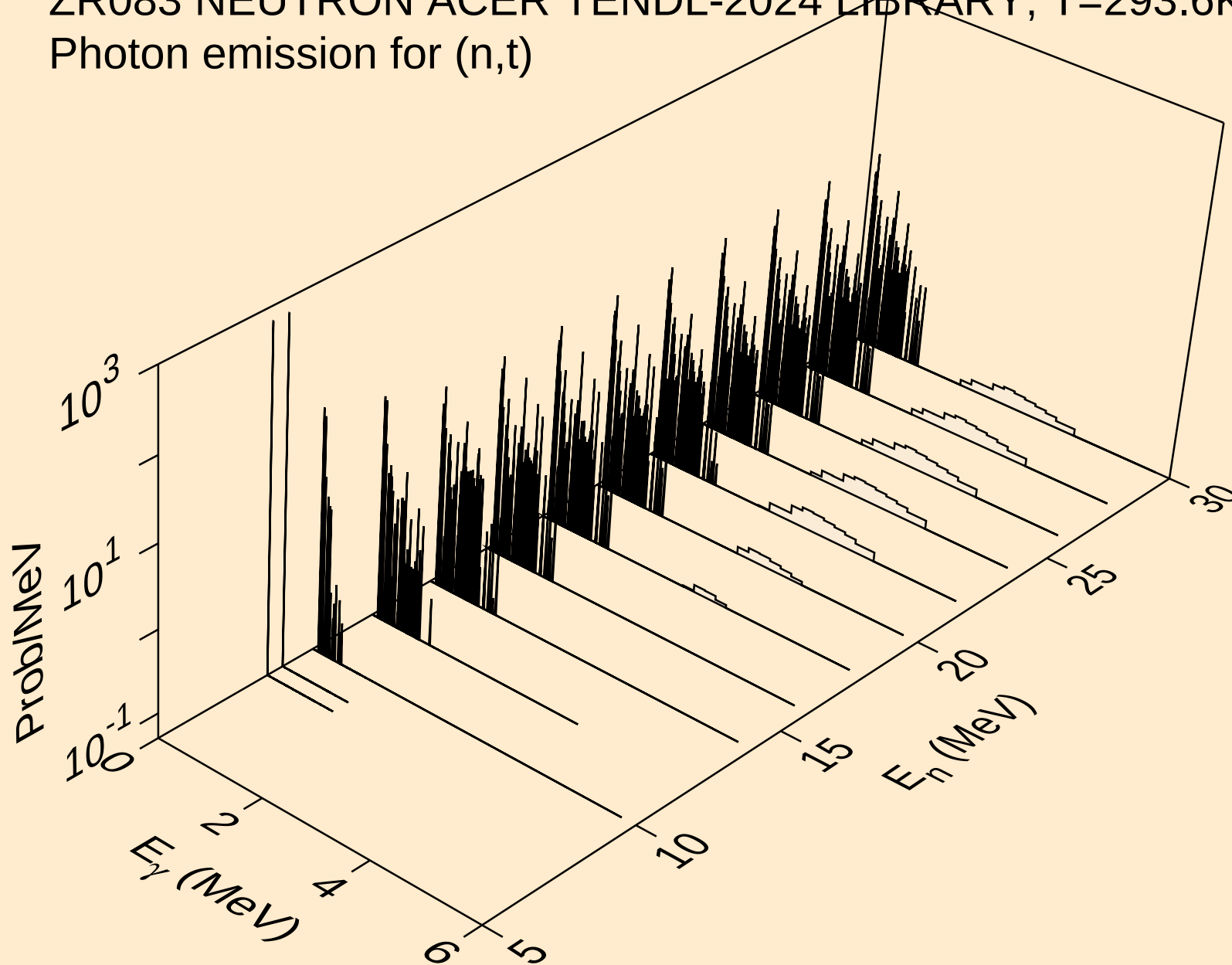
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)



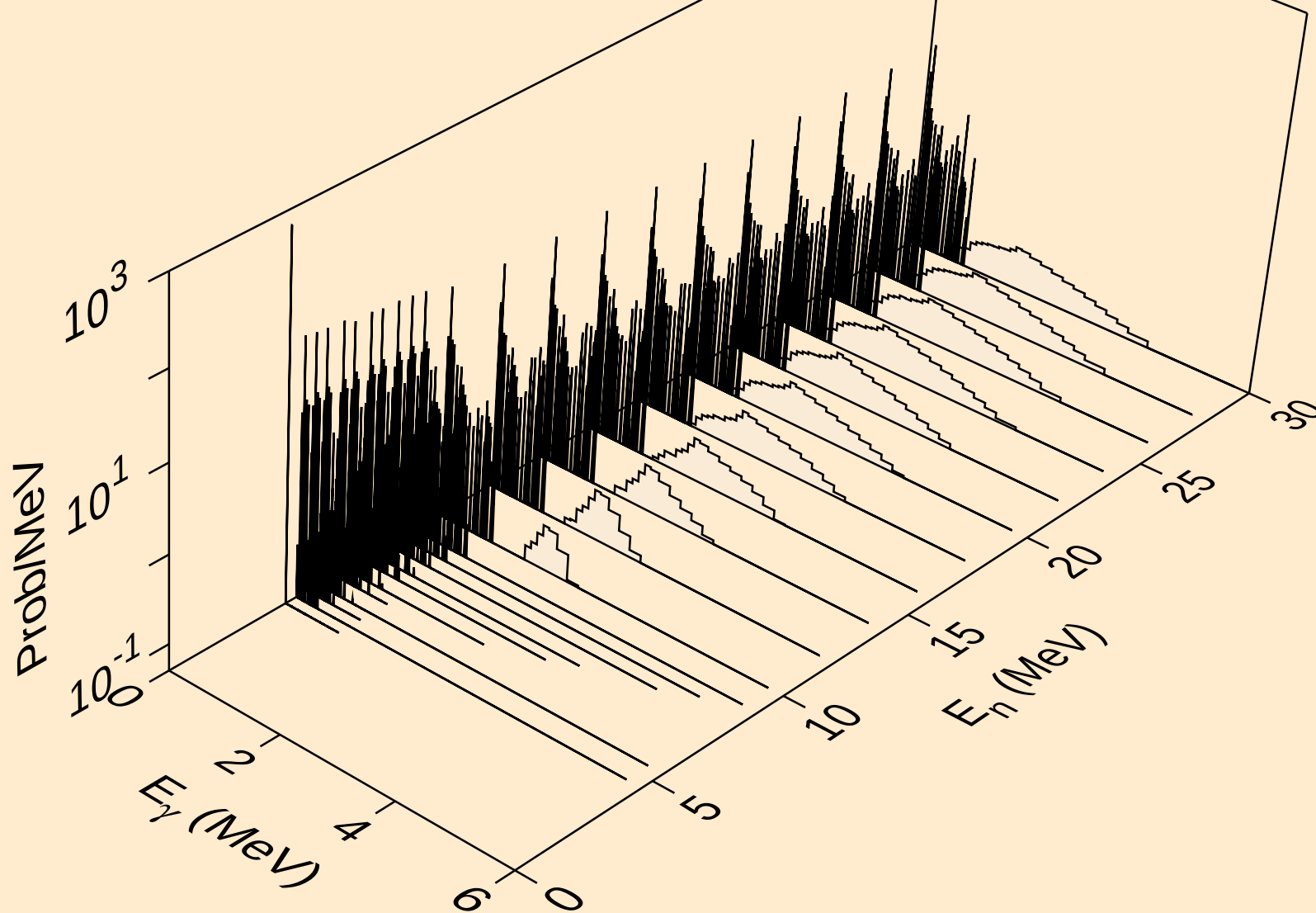
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d)



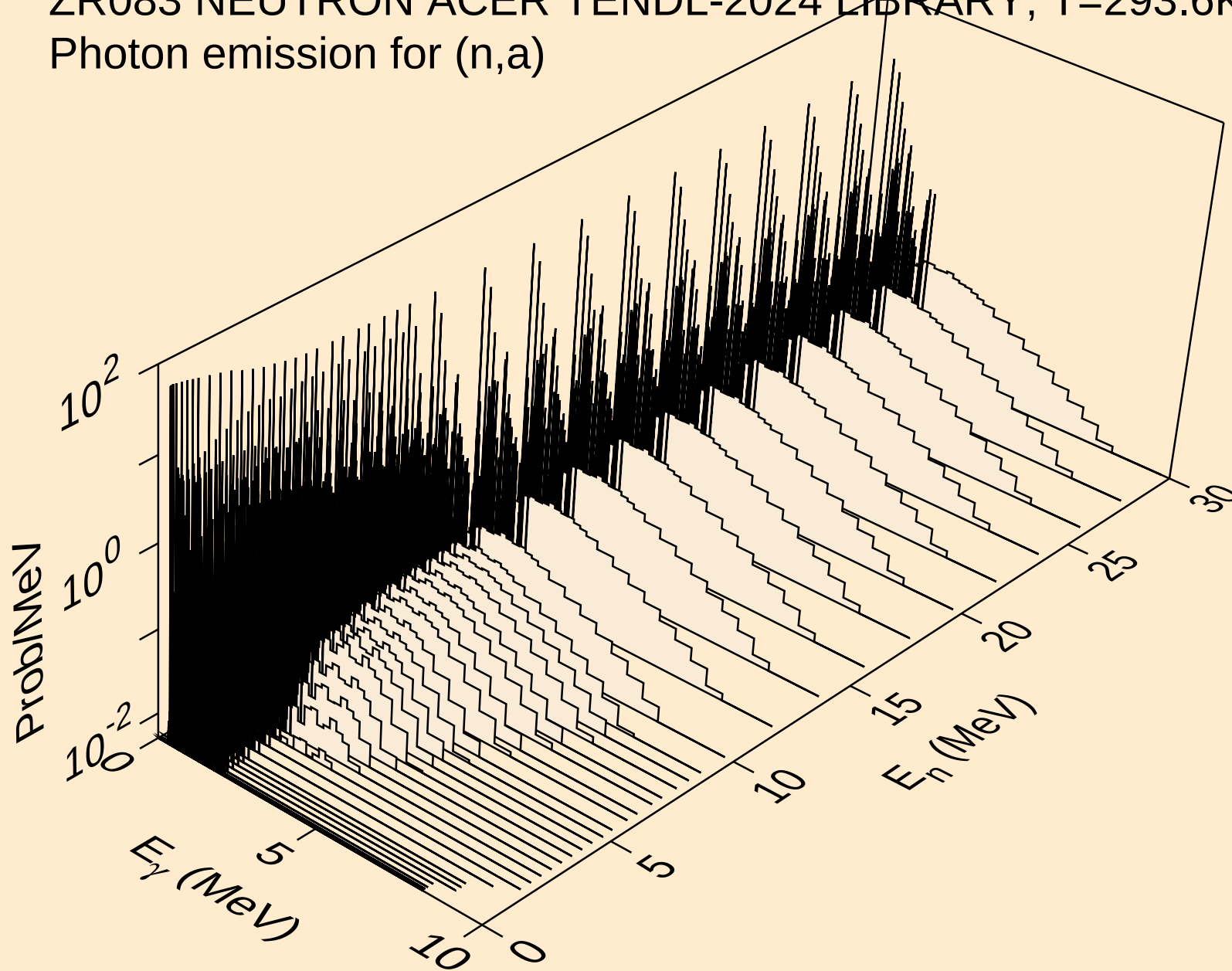
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t)



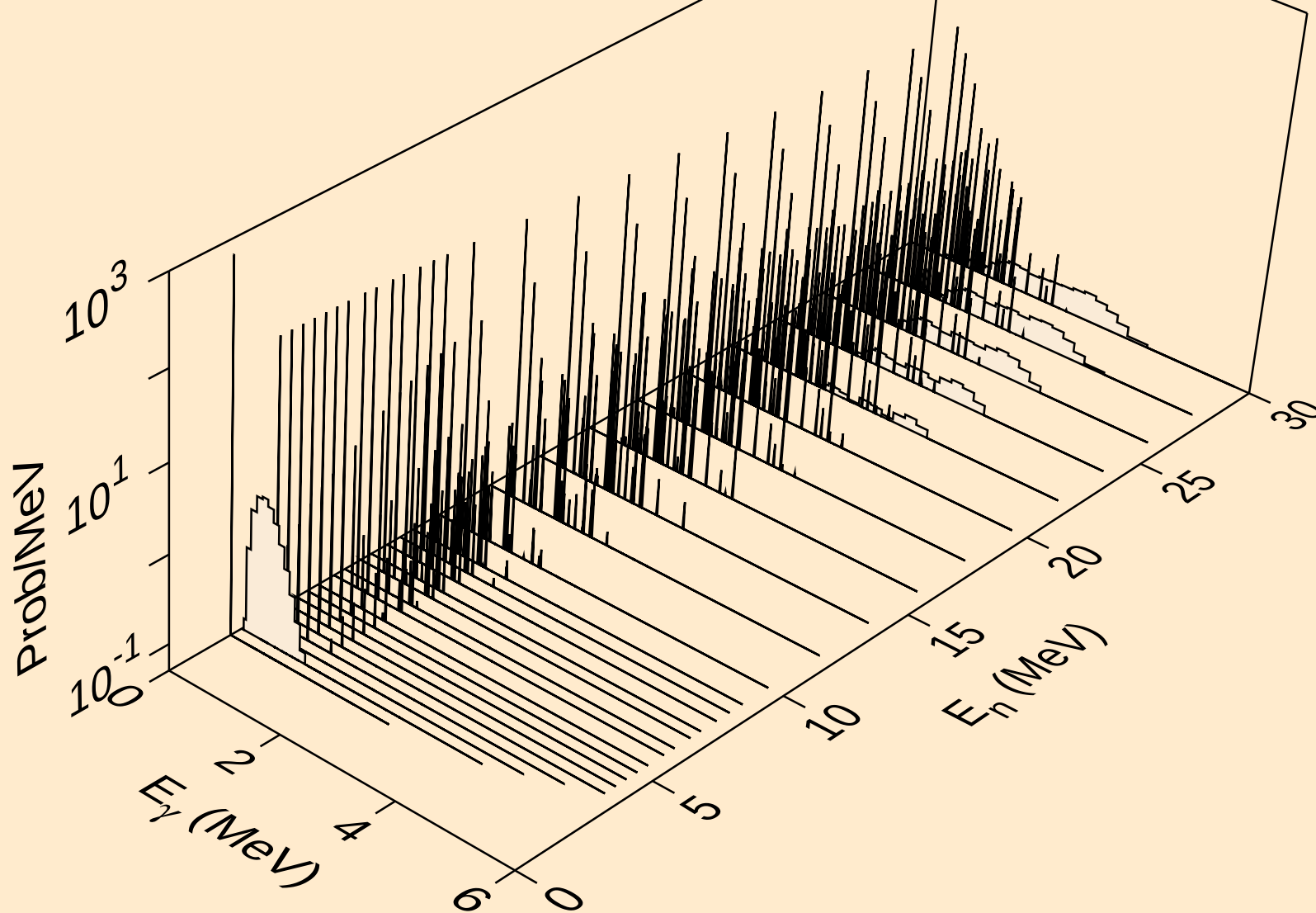
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,he3)



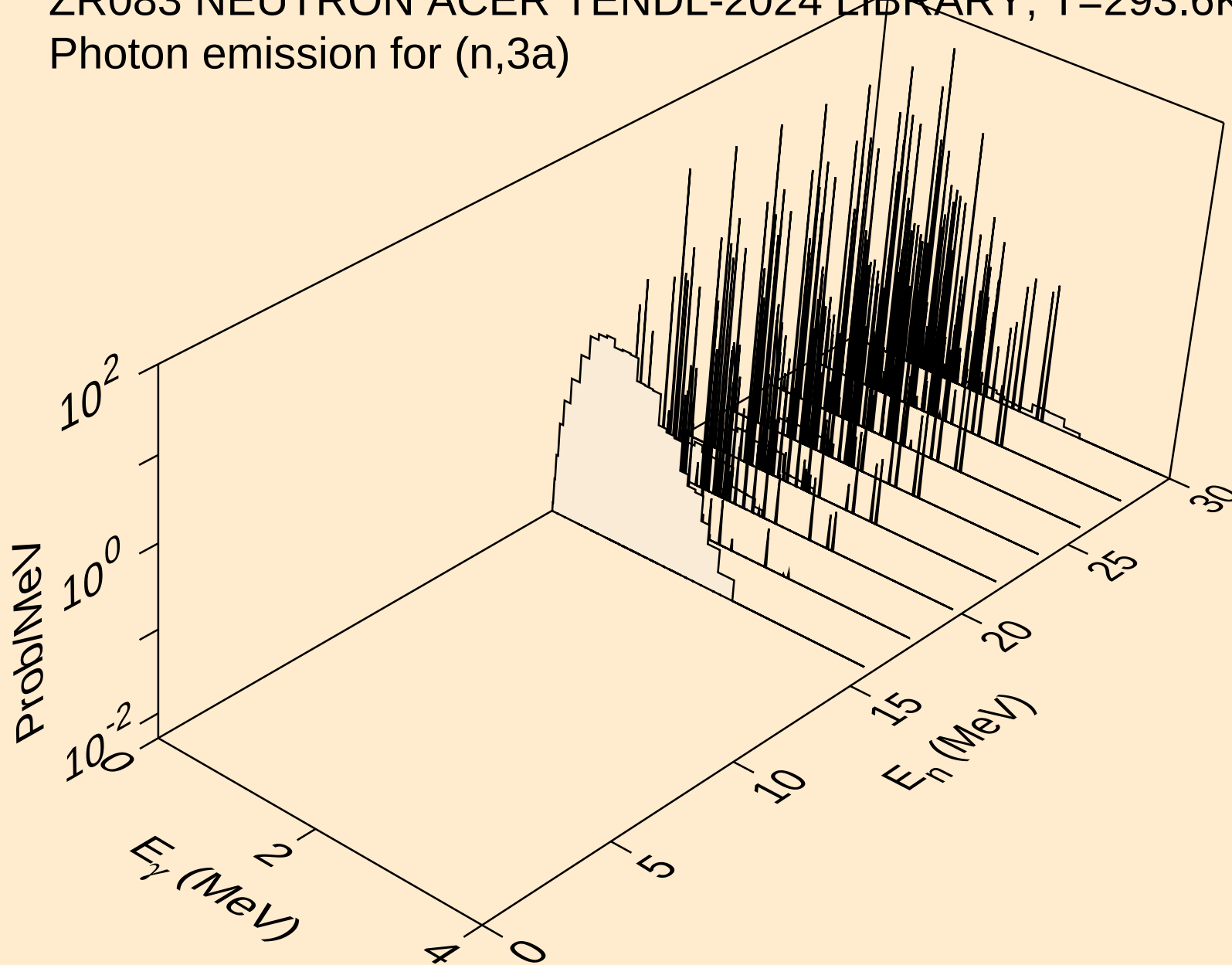
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,a)



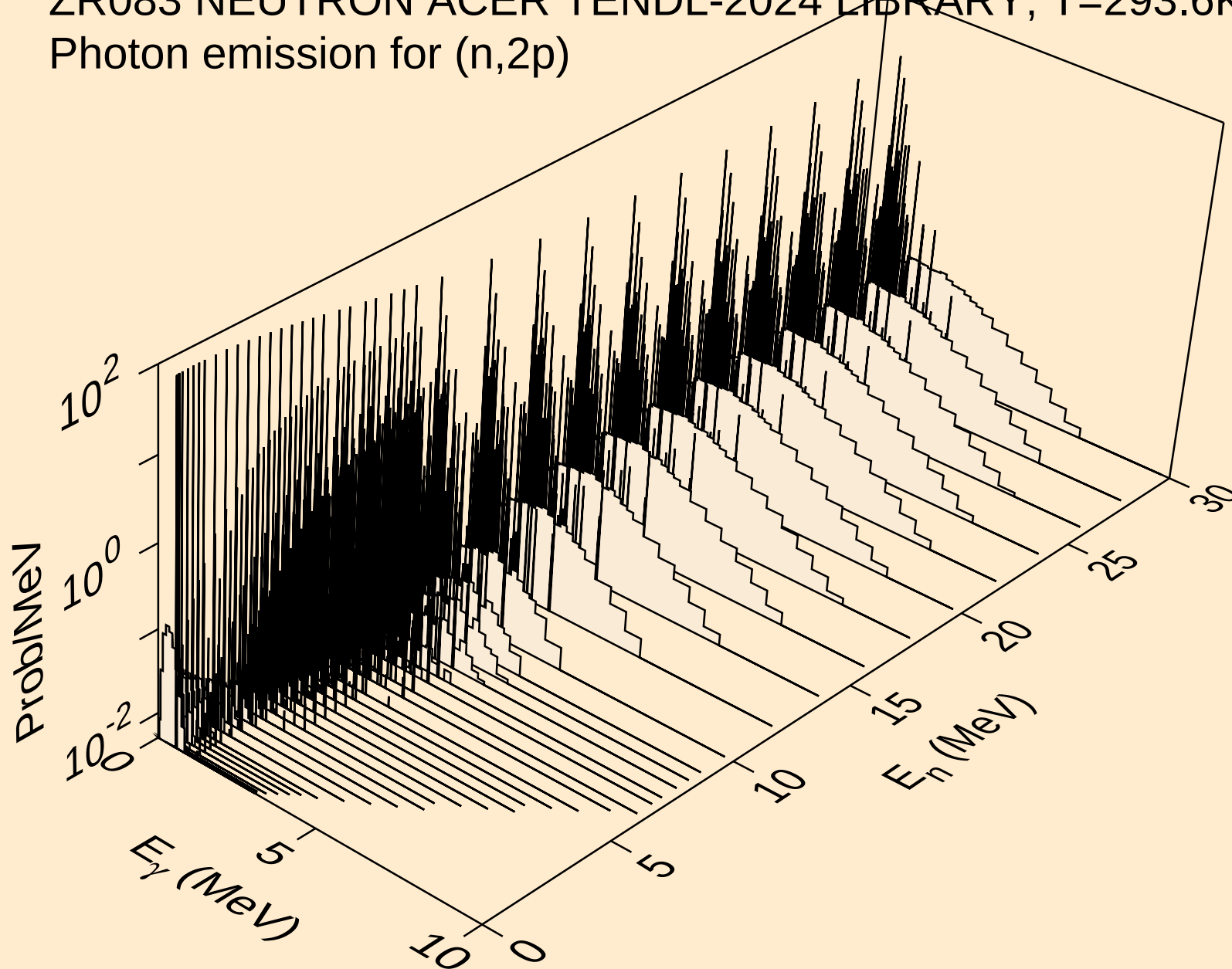
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2a)



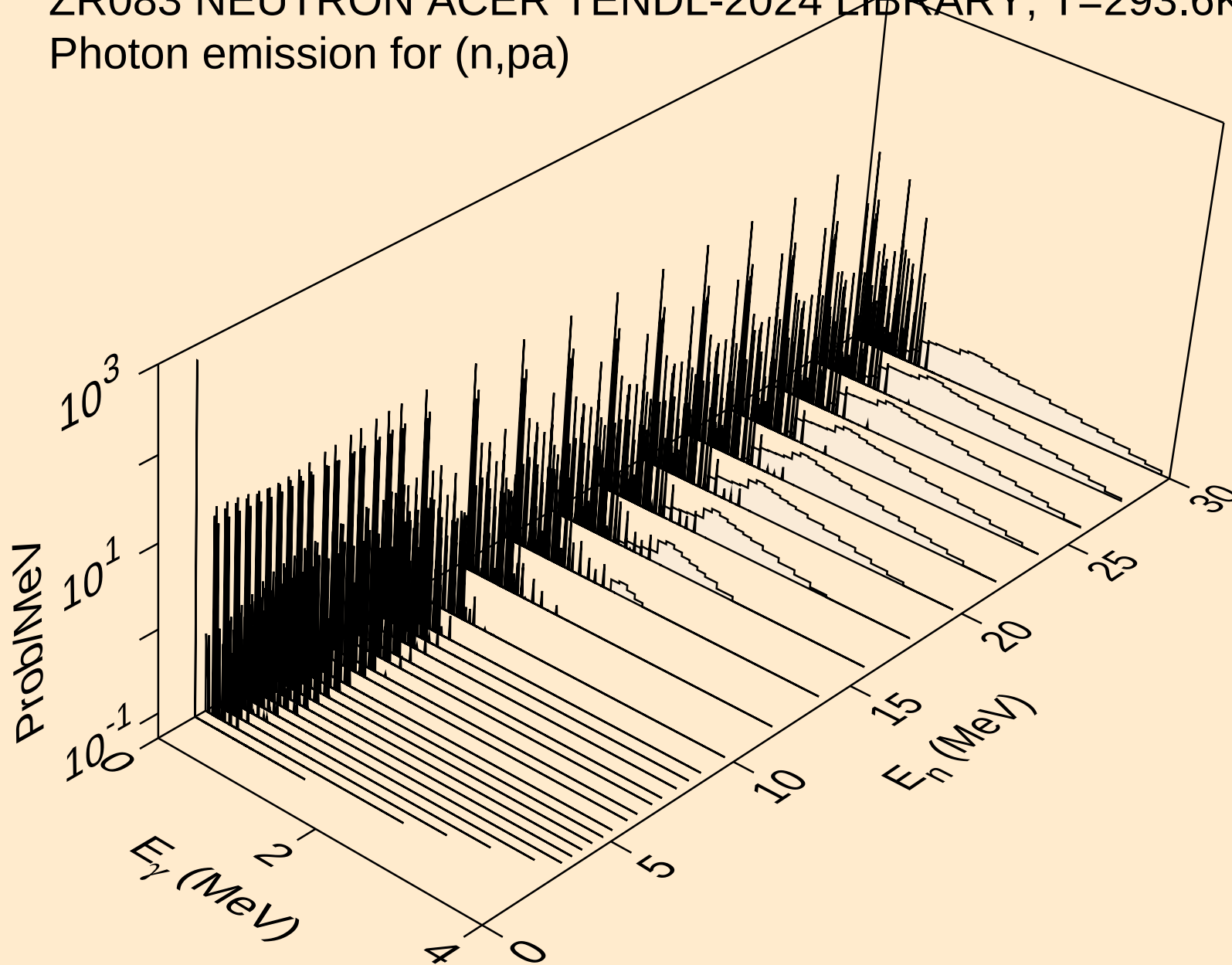
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3a)



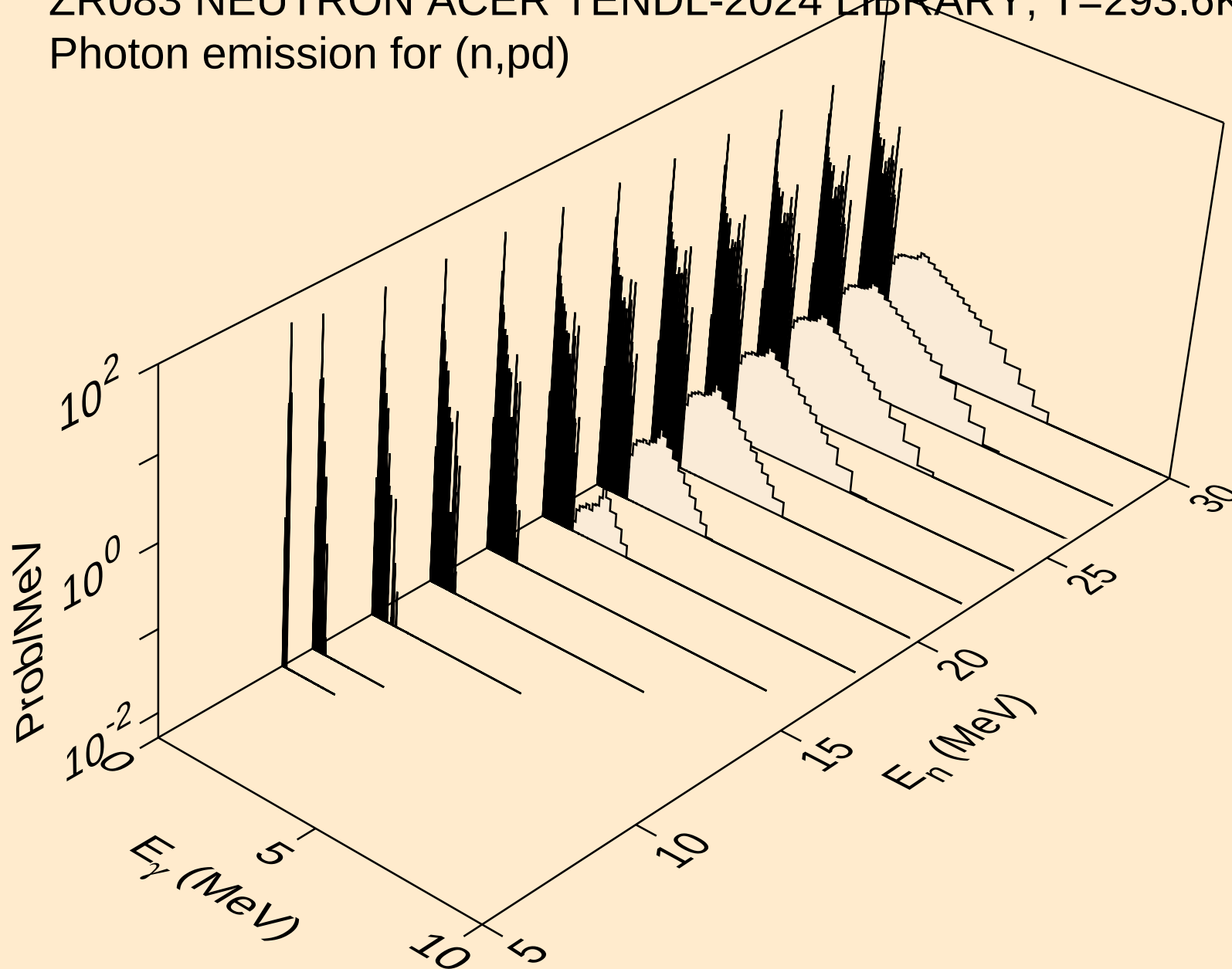
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2p)



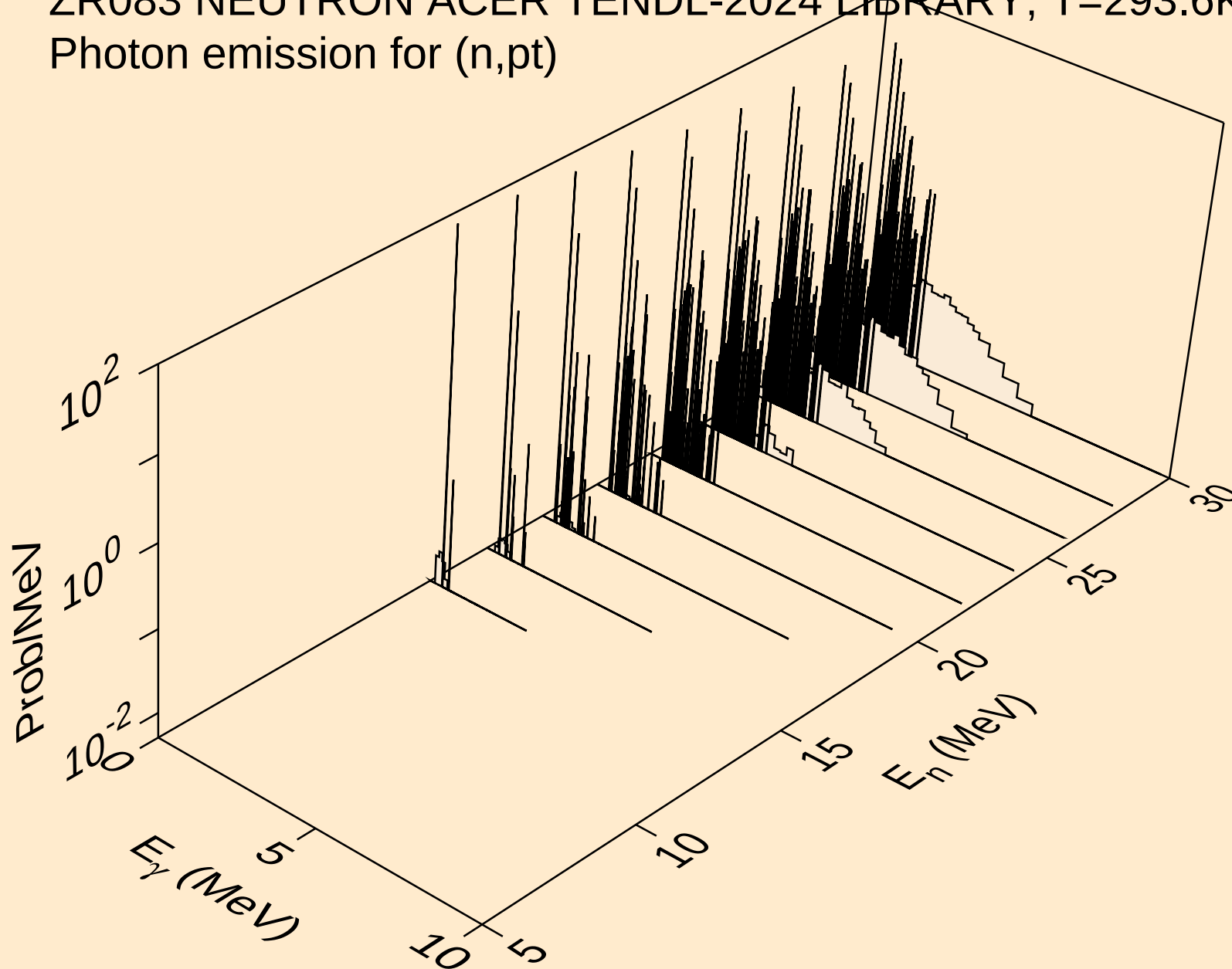
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p α)



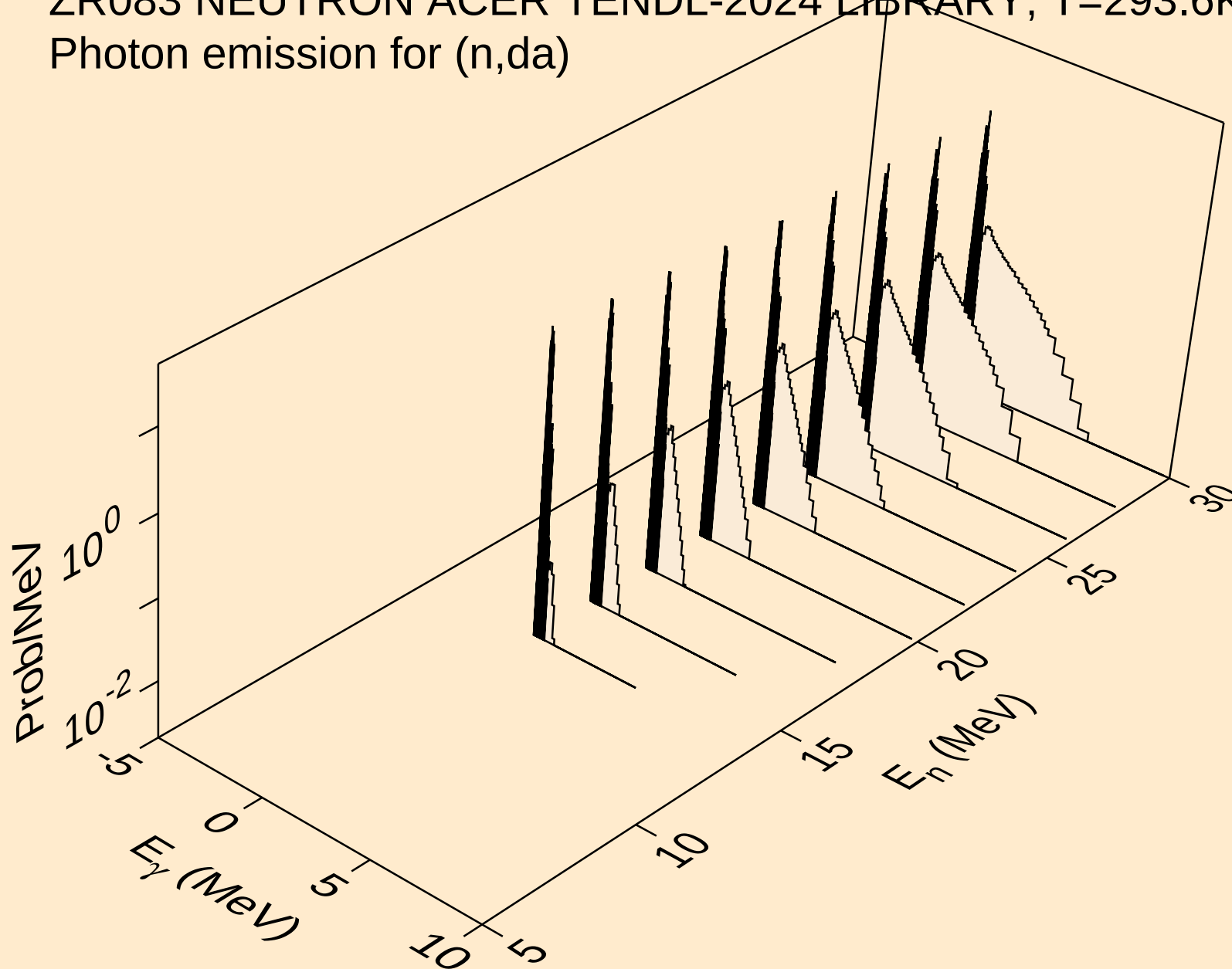
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pd)



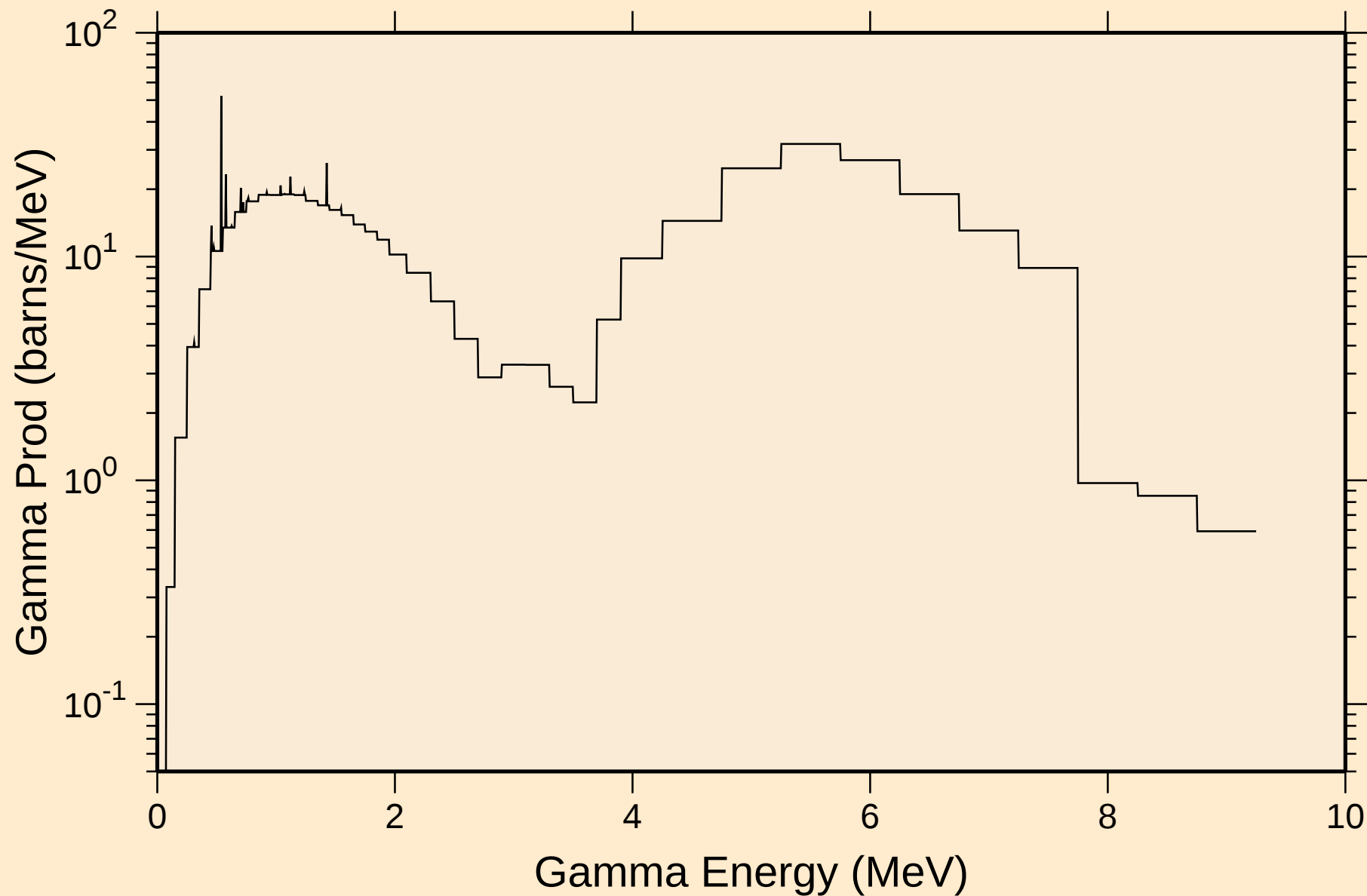
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pt)



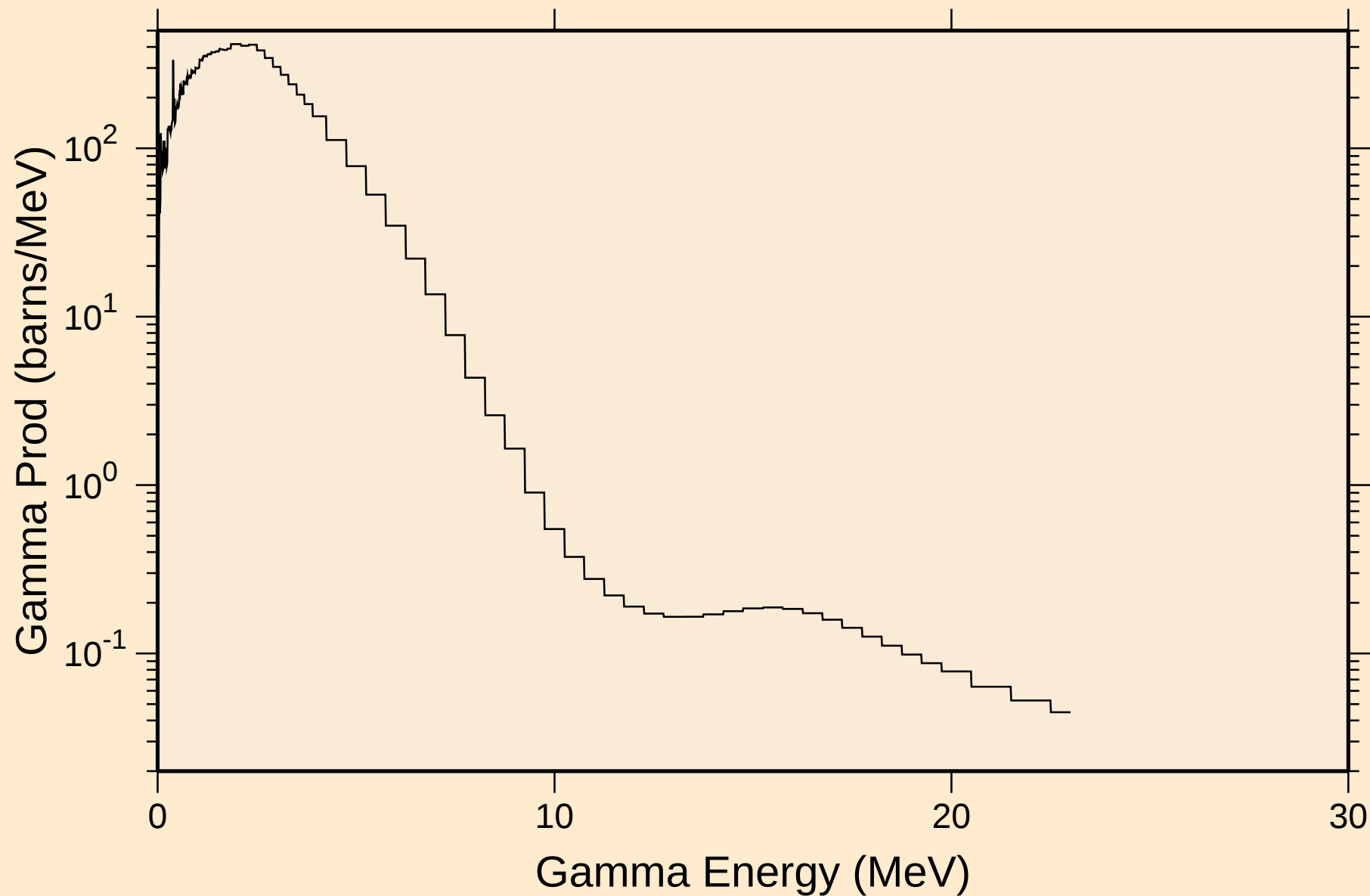
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,da)



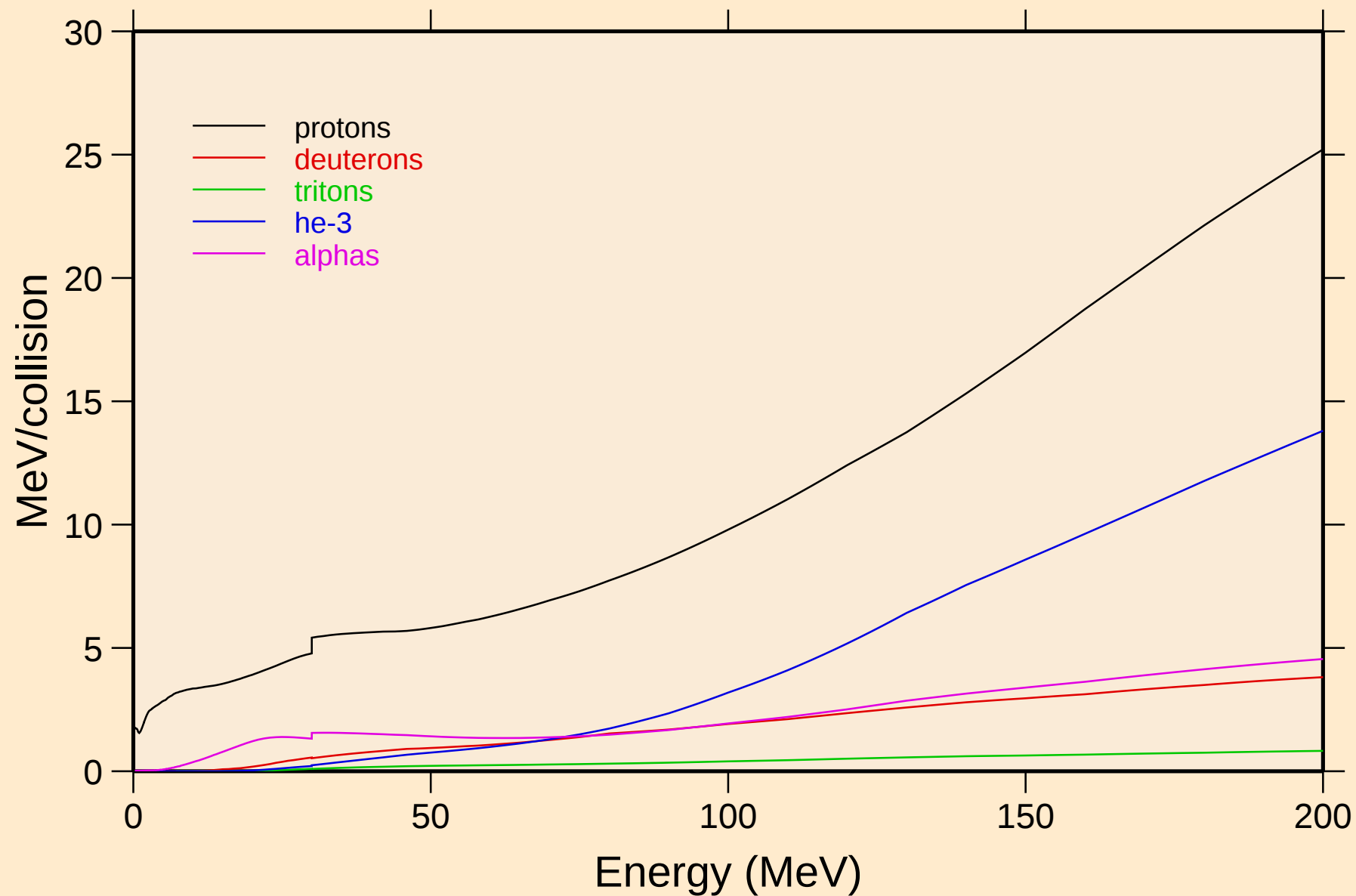
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum

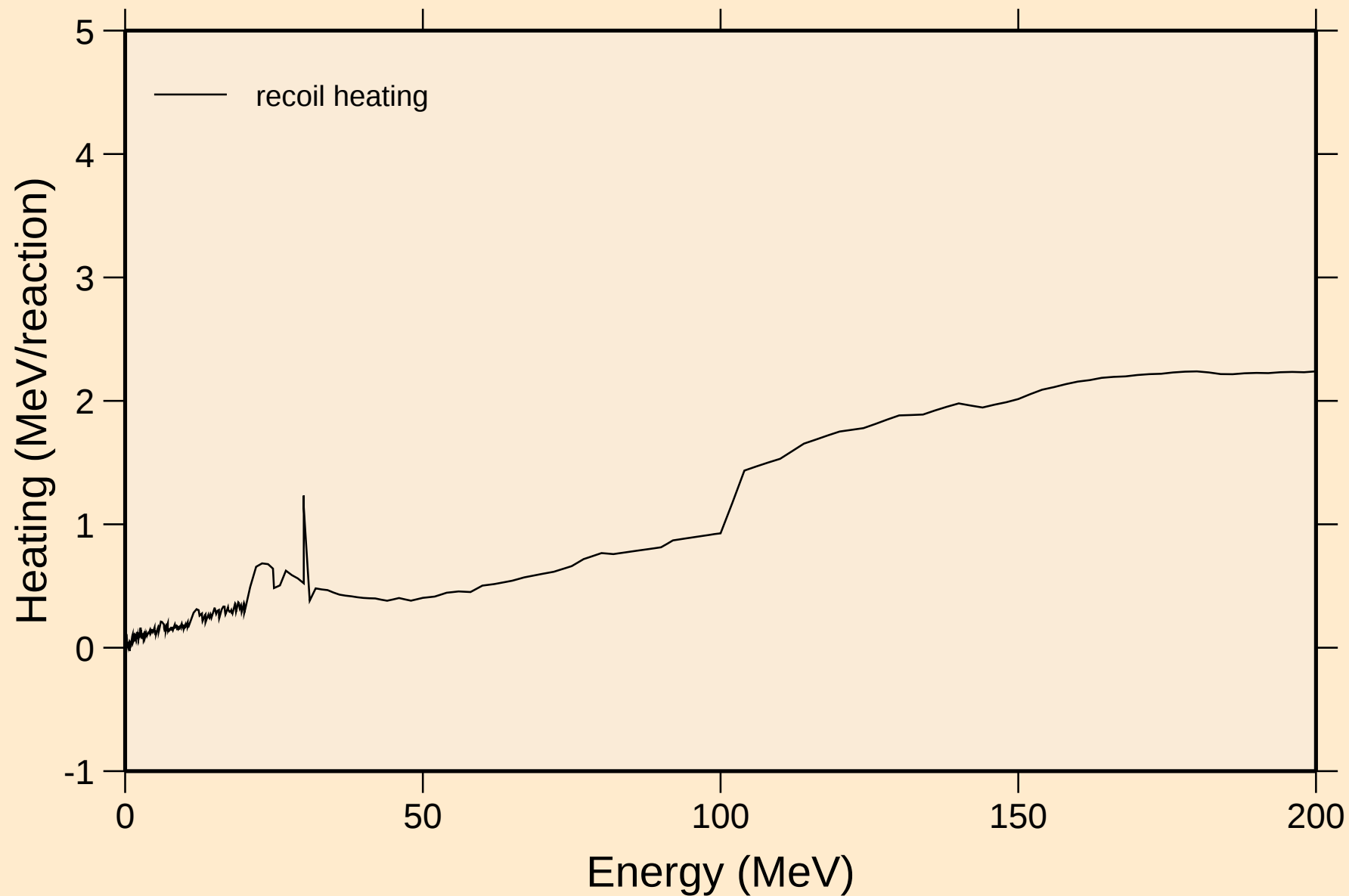


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle heating contributions



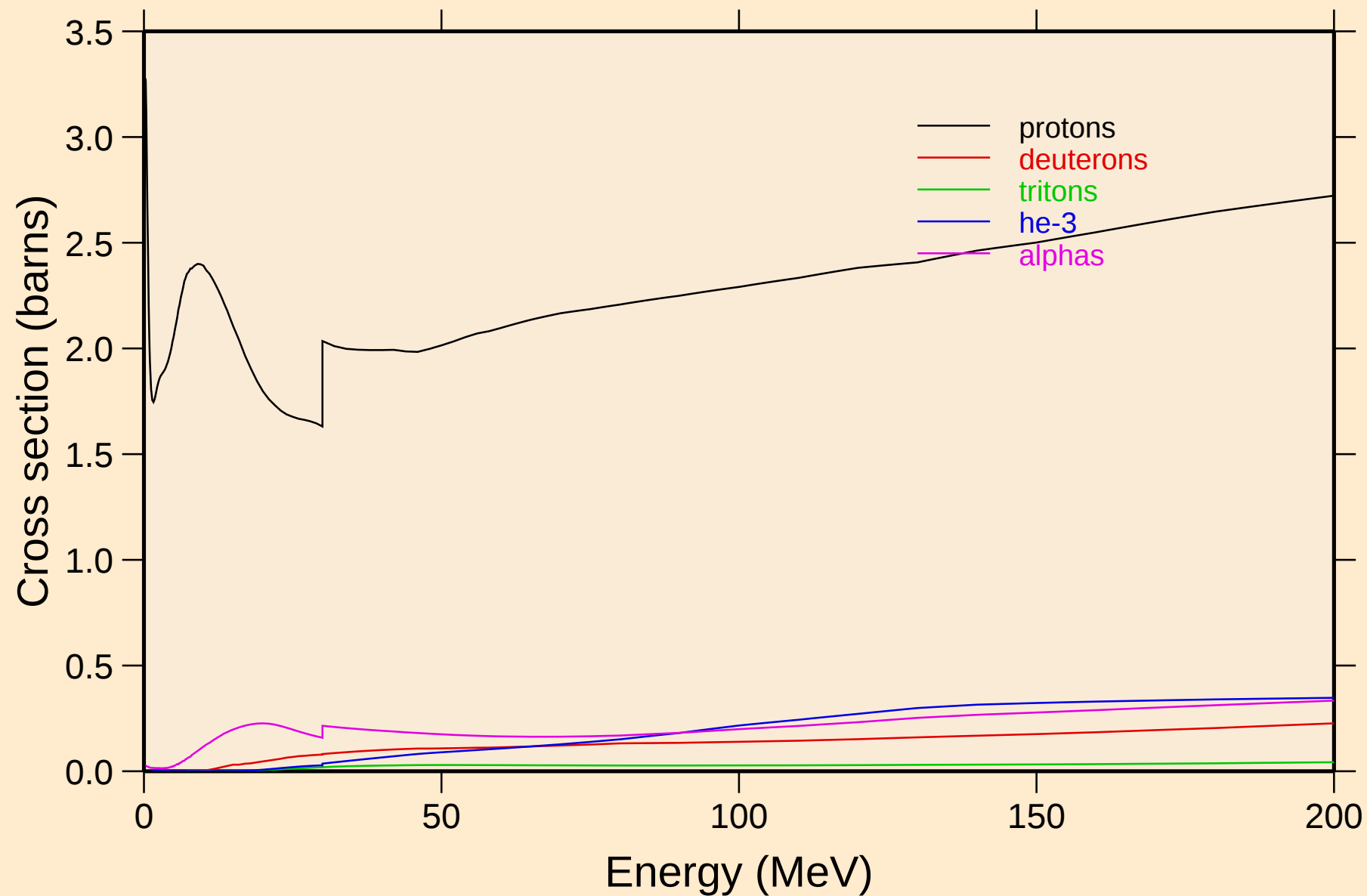
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Recoil Heating

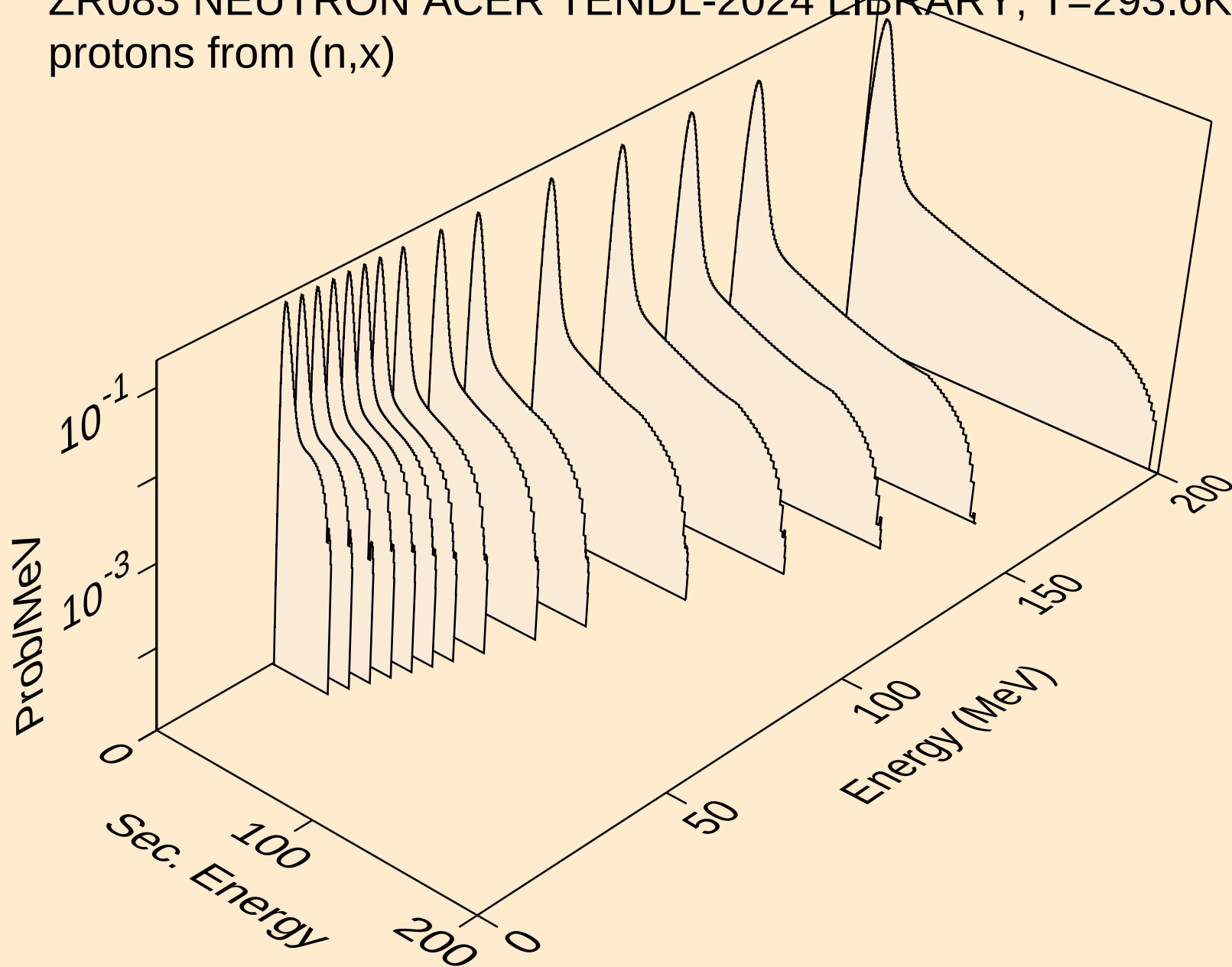


ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

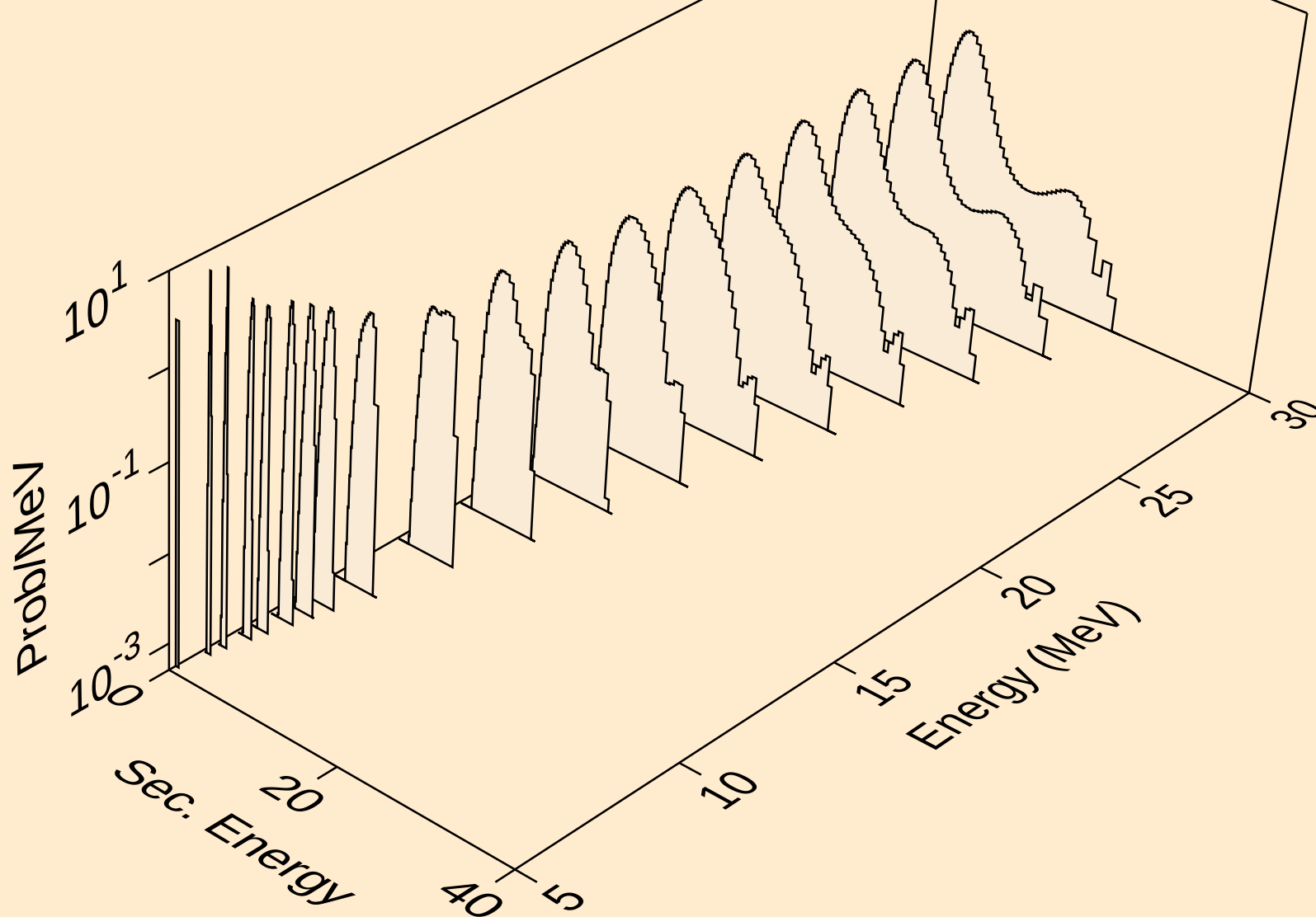
Particle production cross sections



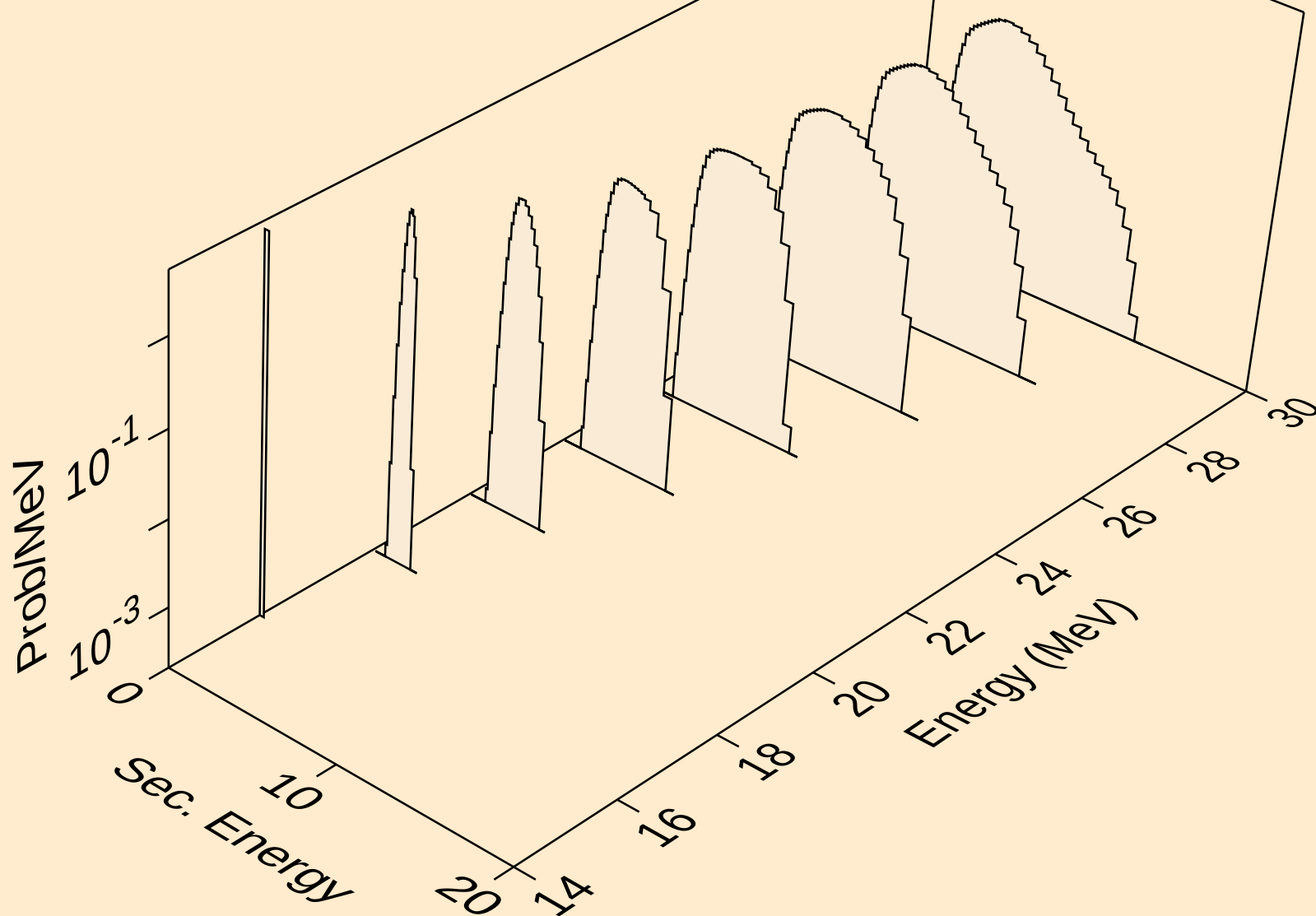
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)



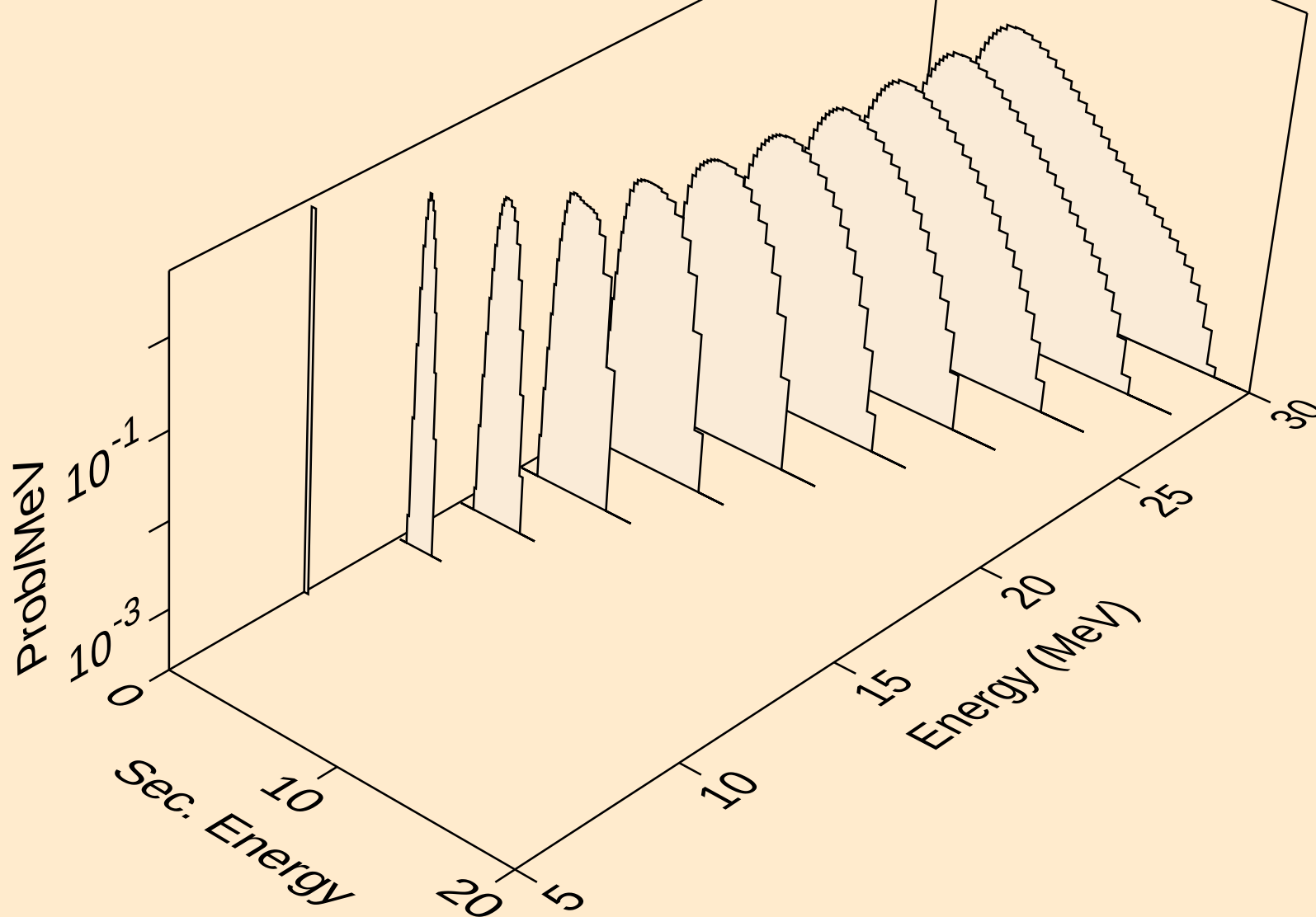
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p



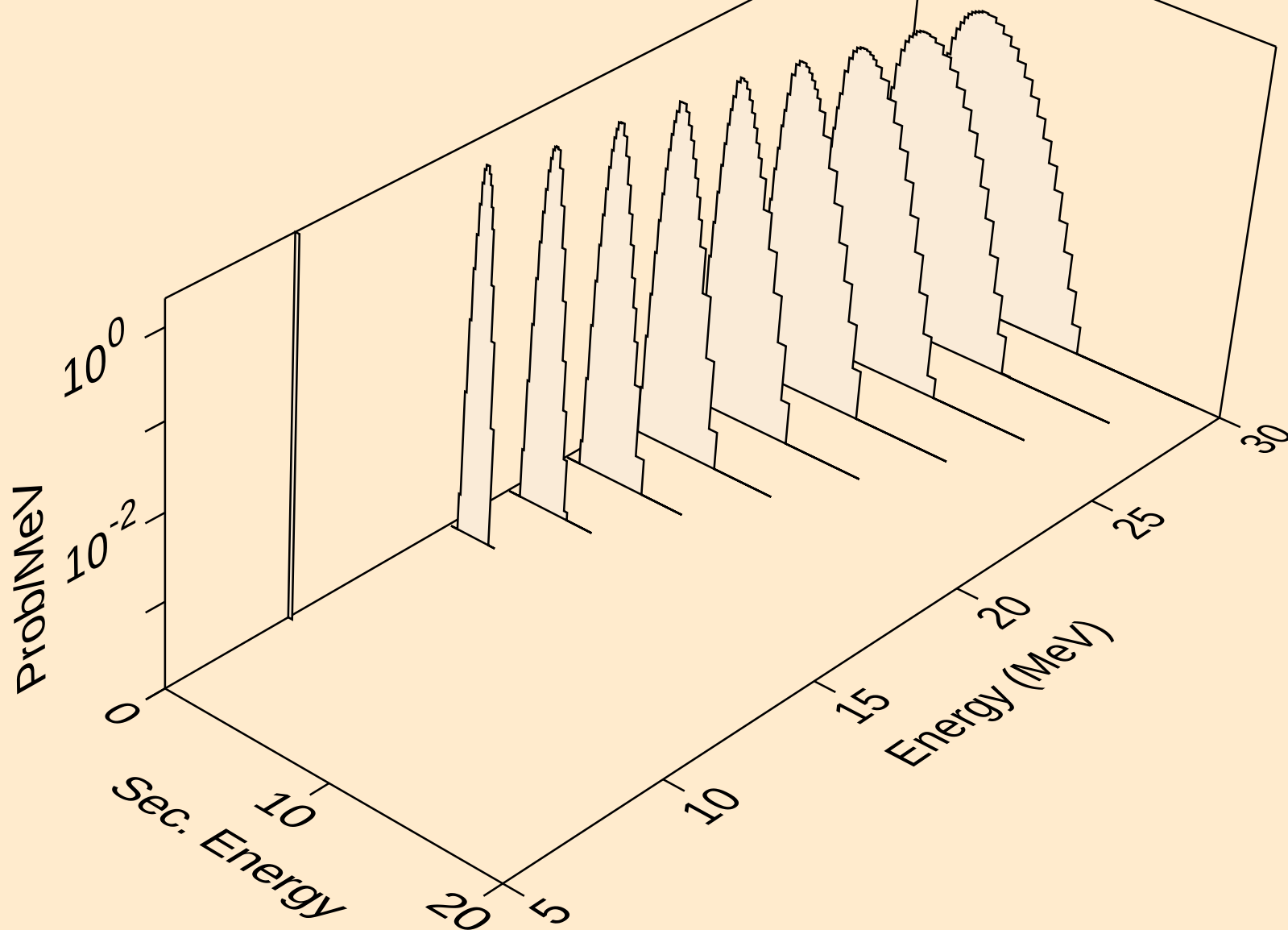
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2np)



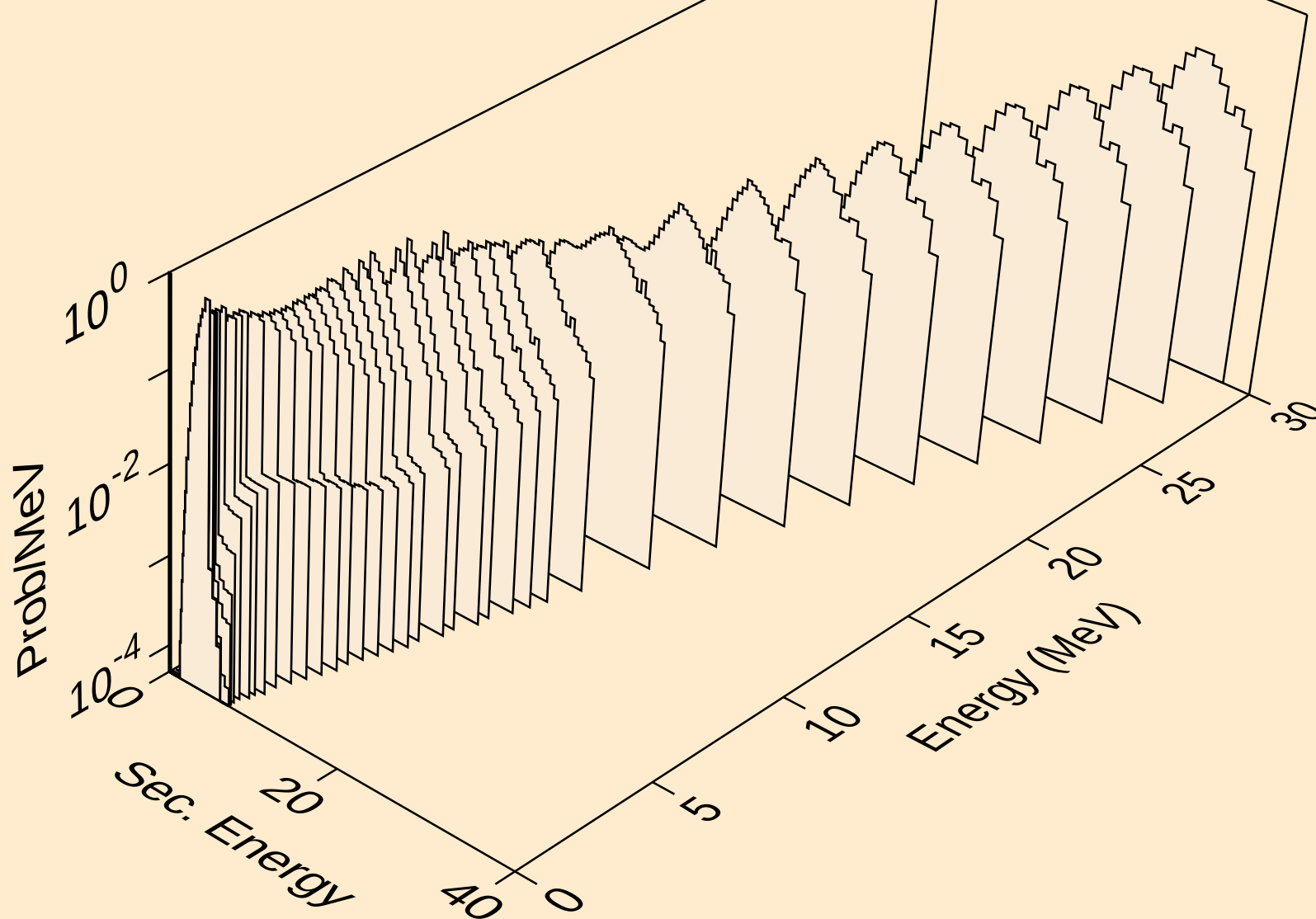
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n2p)



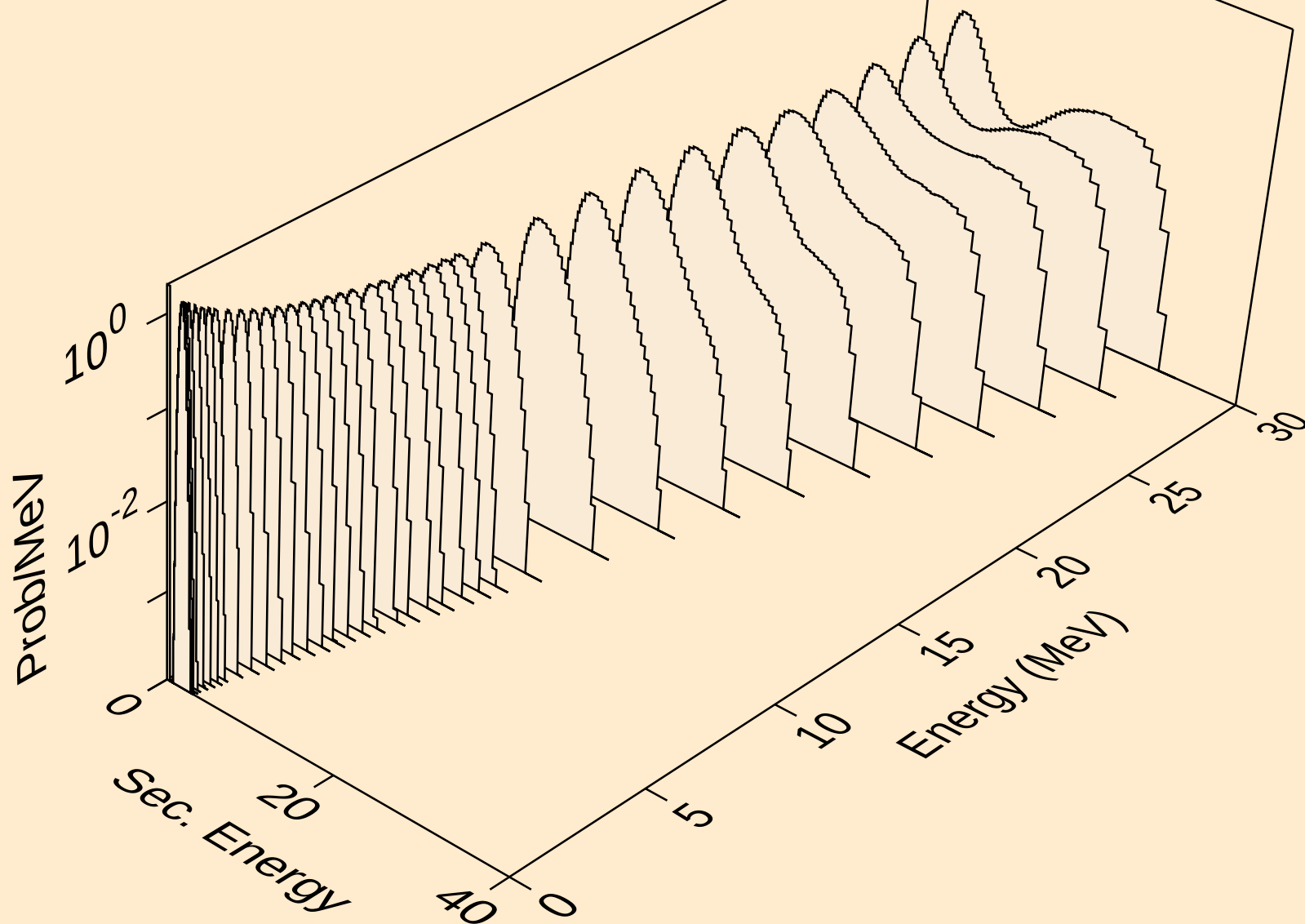
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,npa)



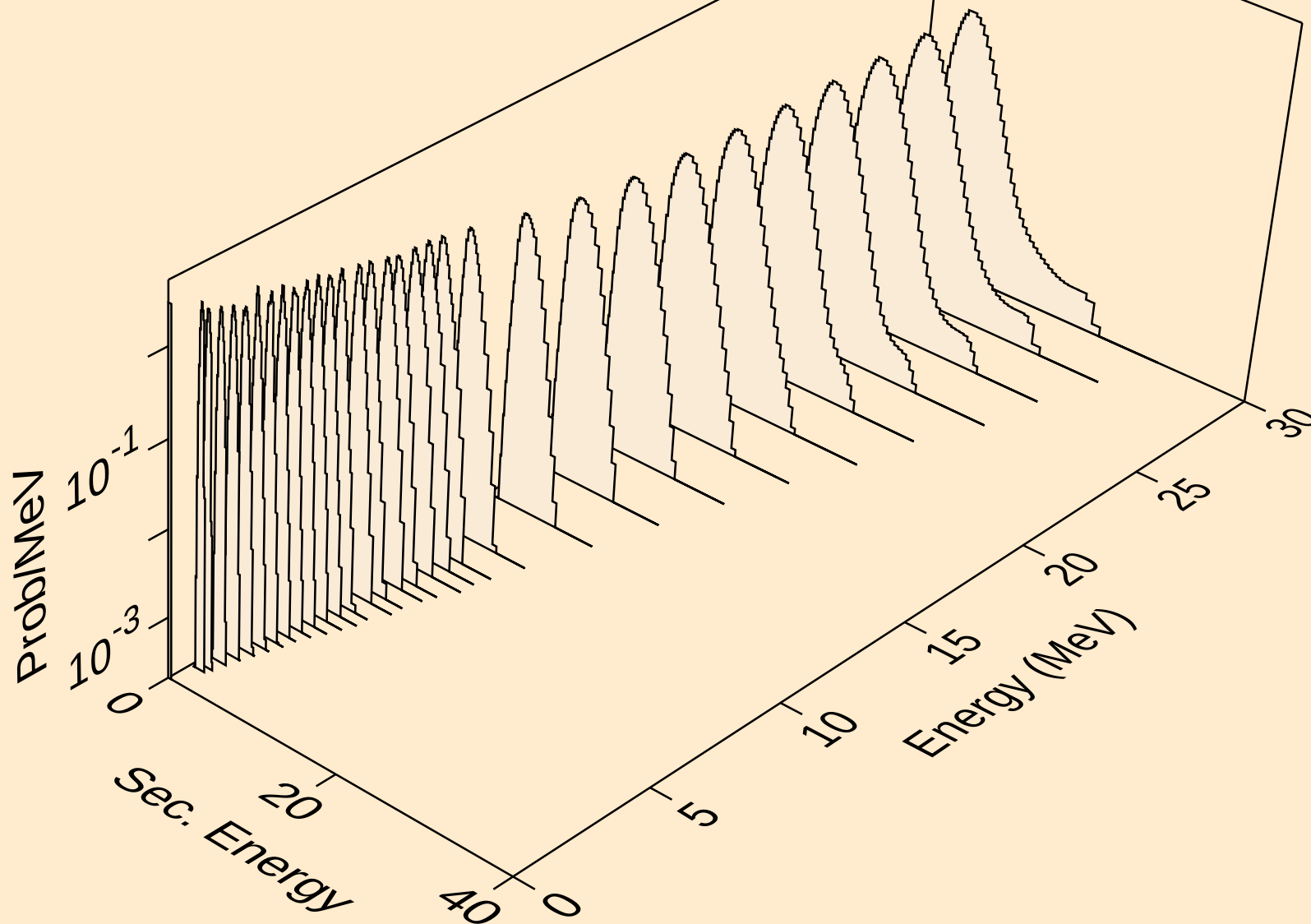
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,p)



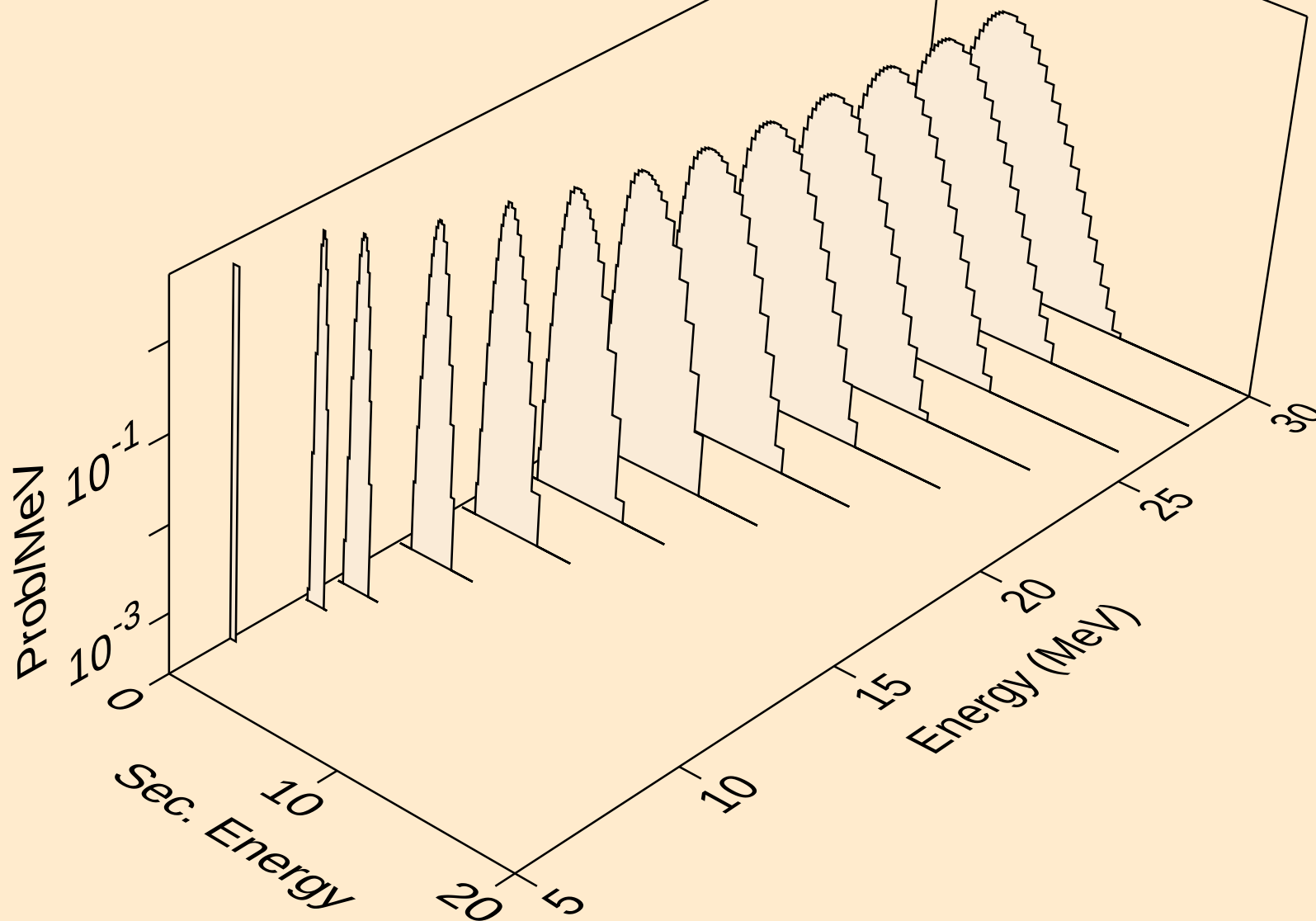
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2p)



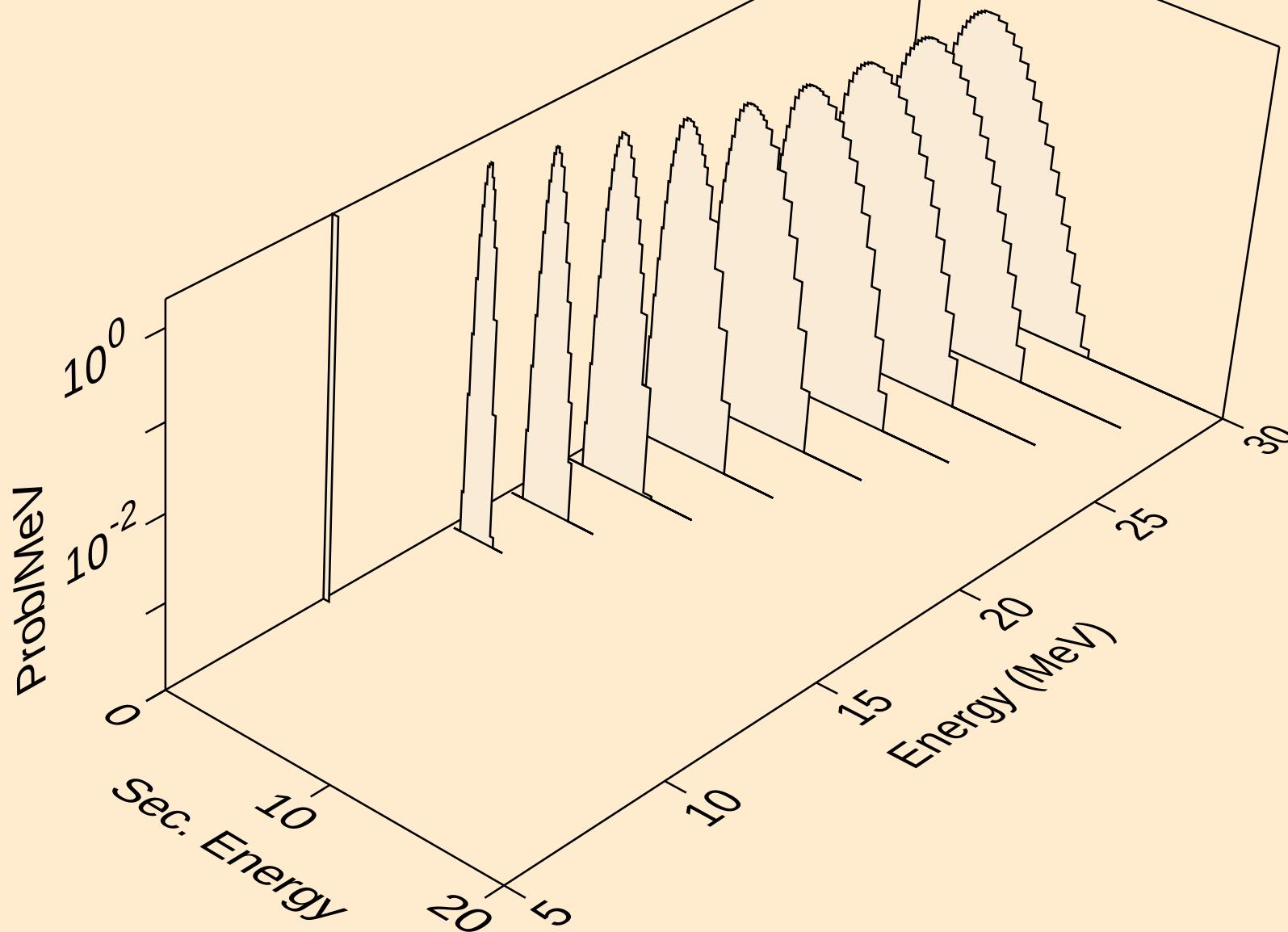
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,p)



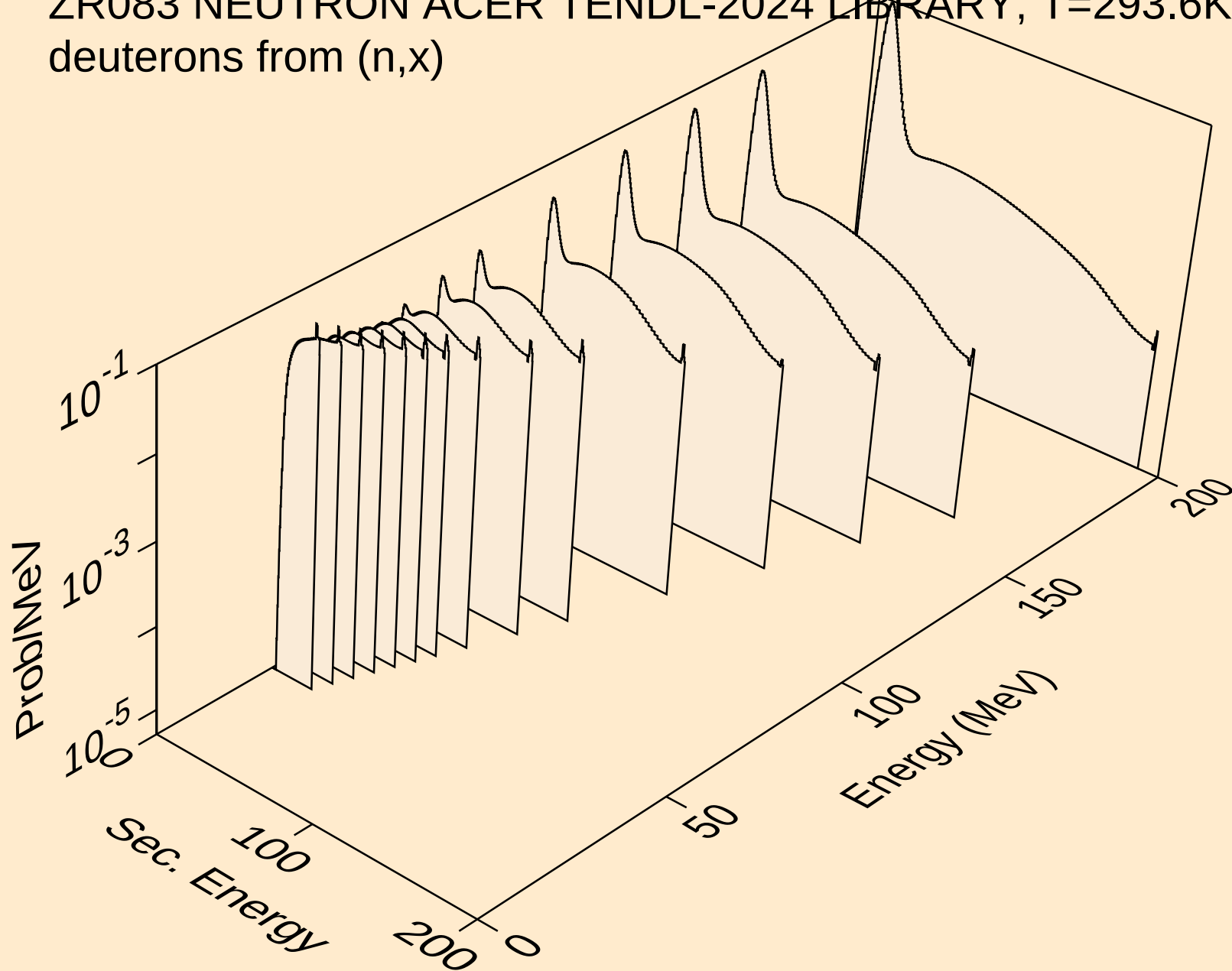
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,pd)



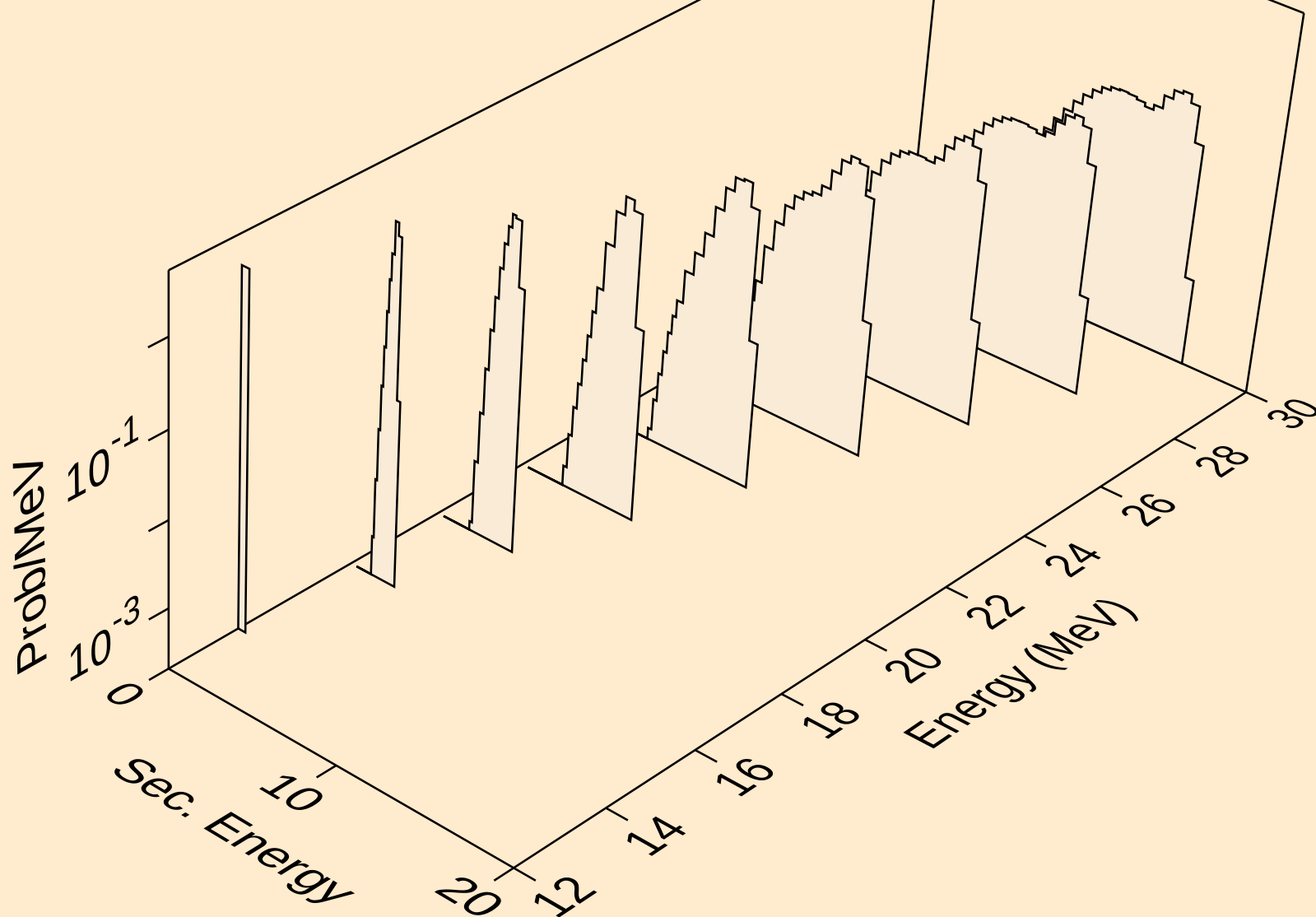
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,pt)



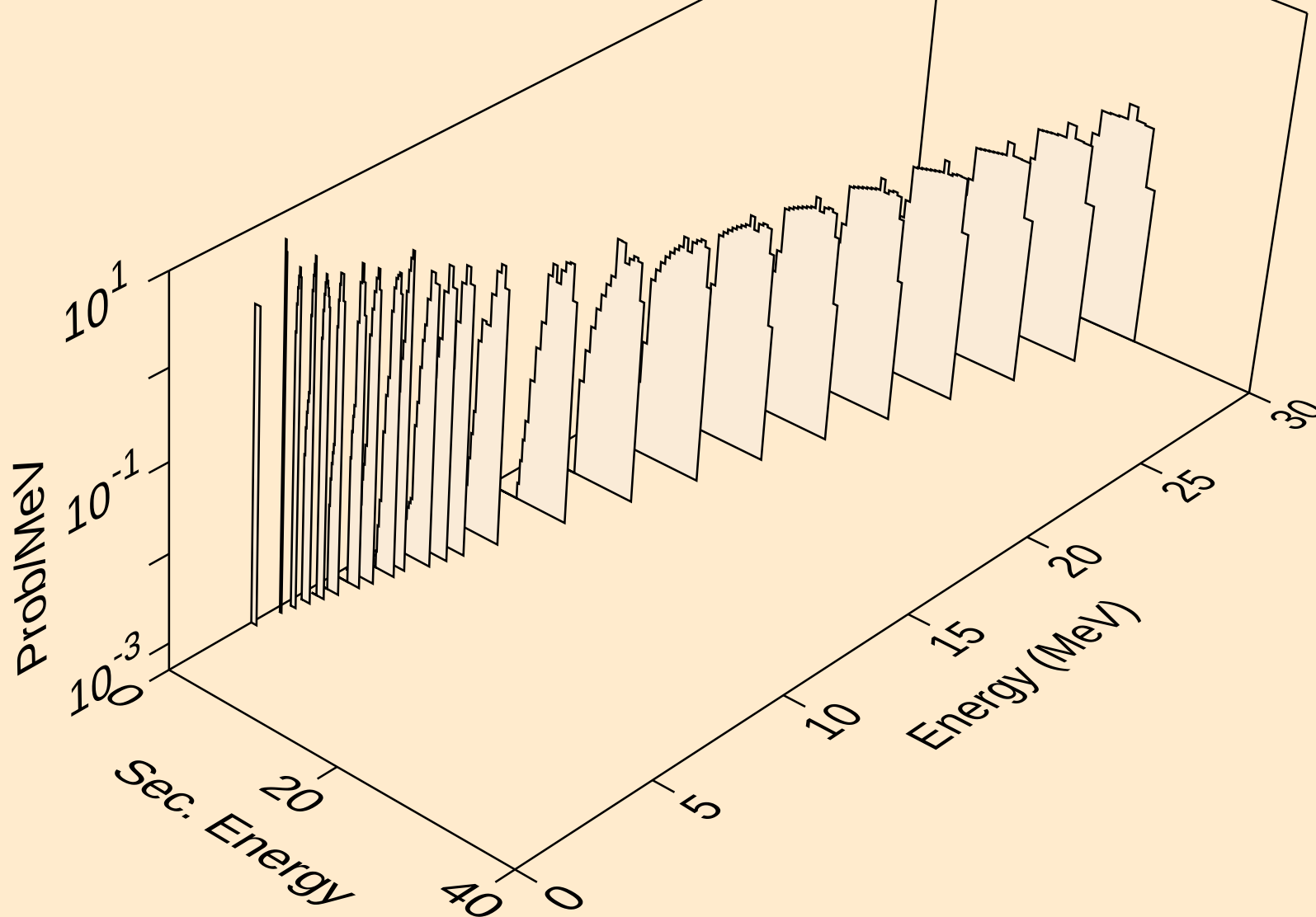
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,x)



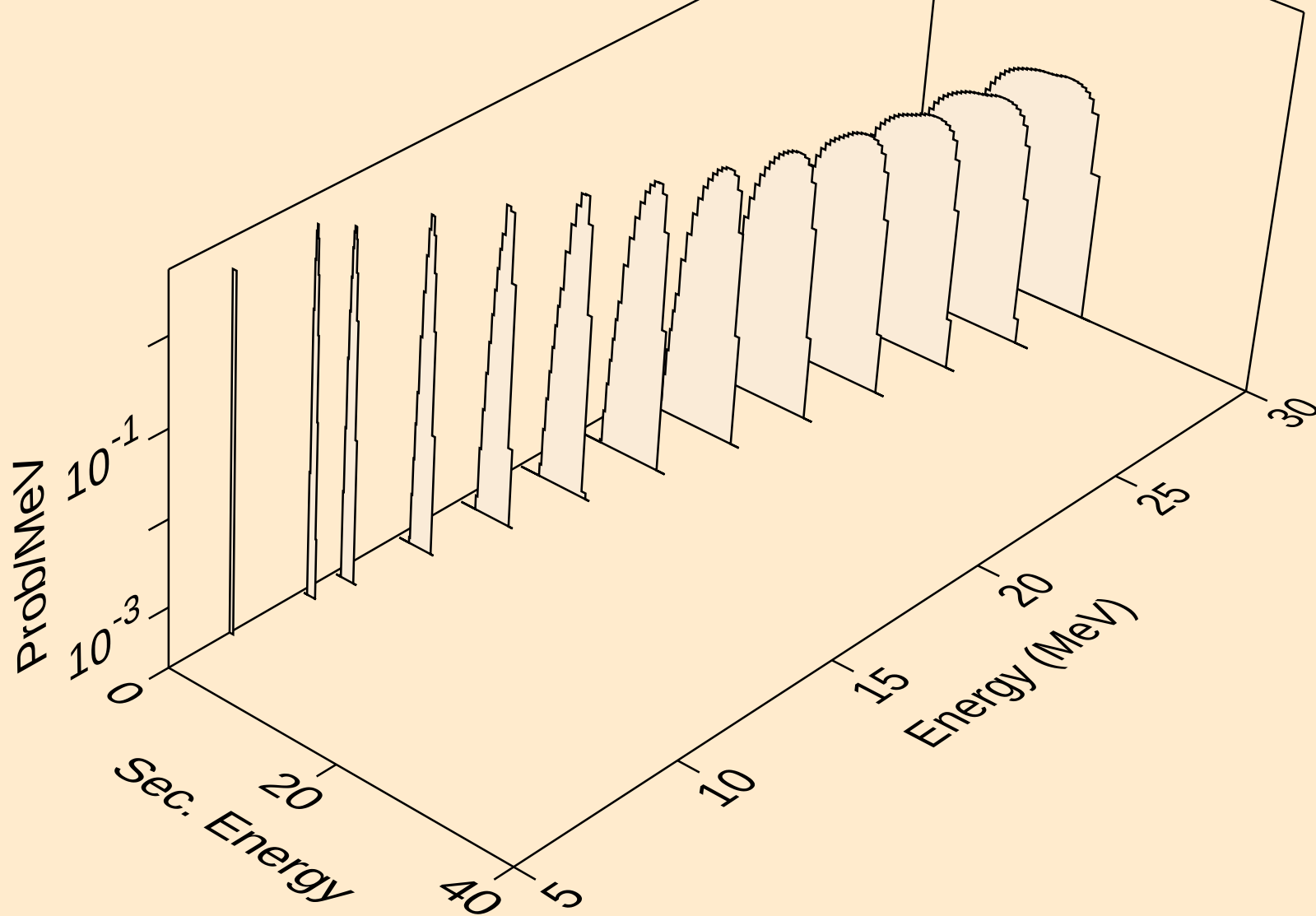
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d



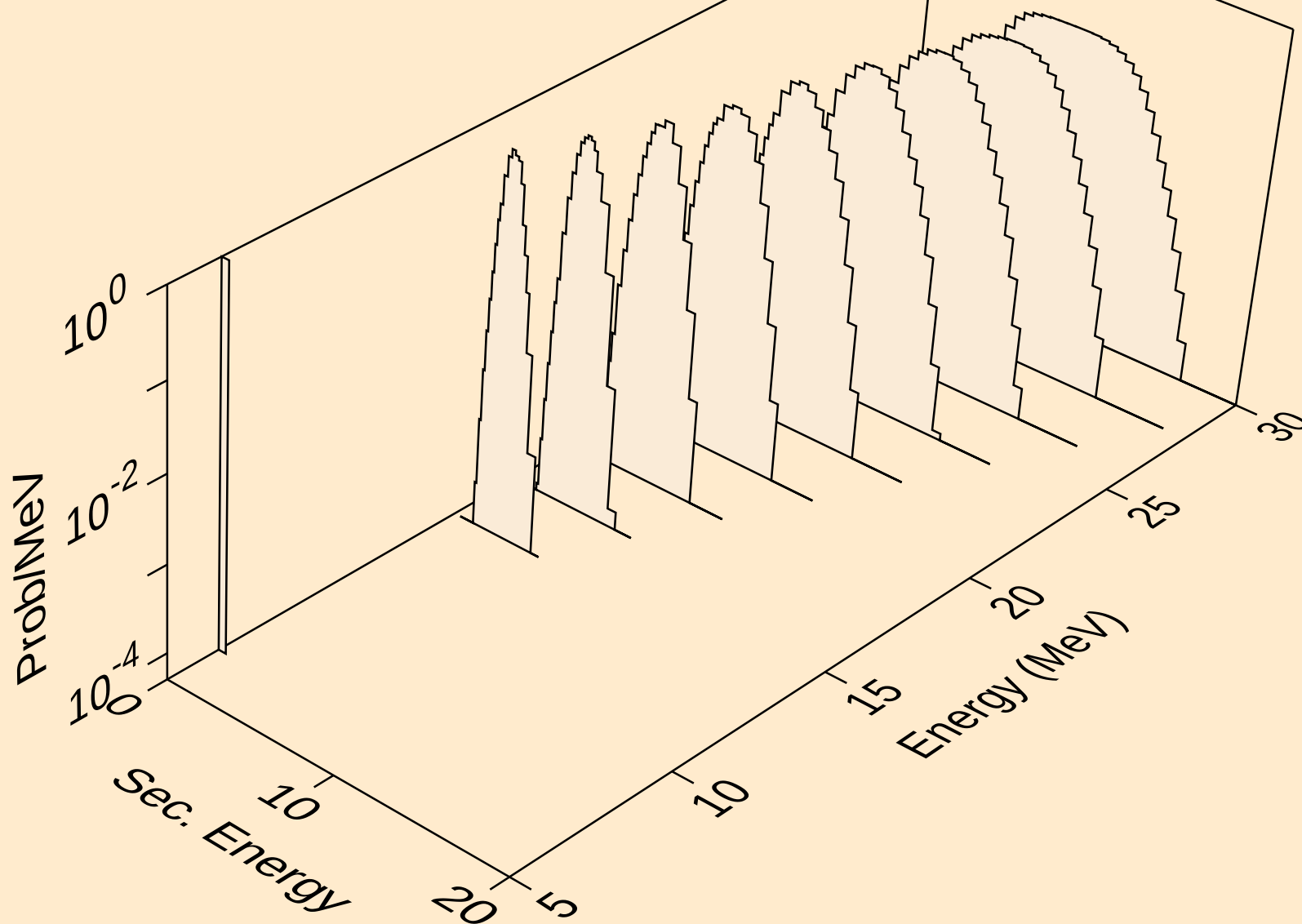
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,d)



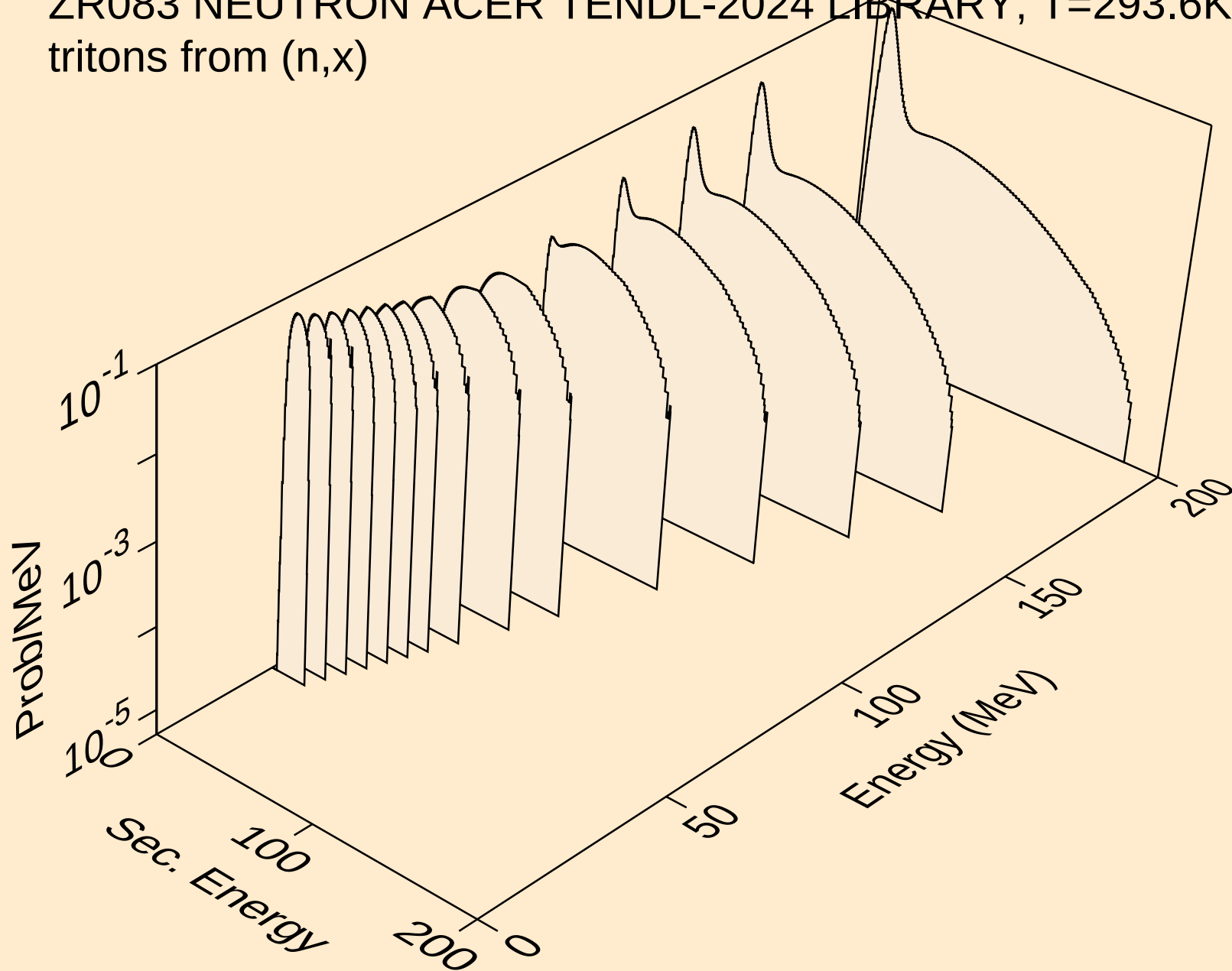
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,pd)



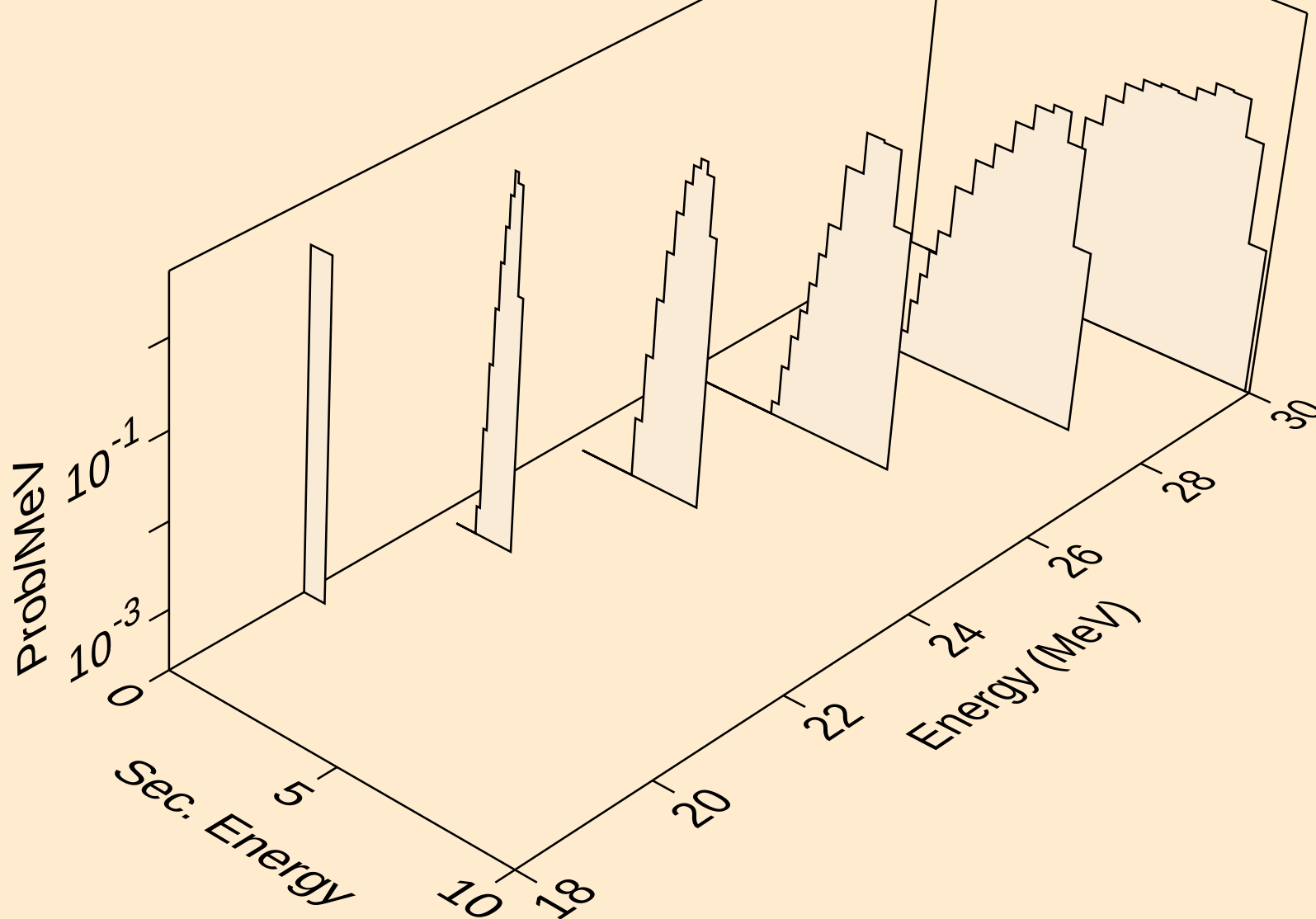
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,da)



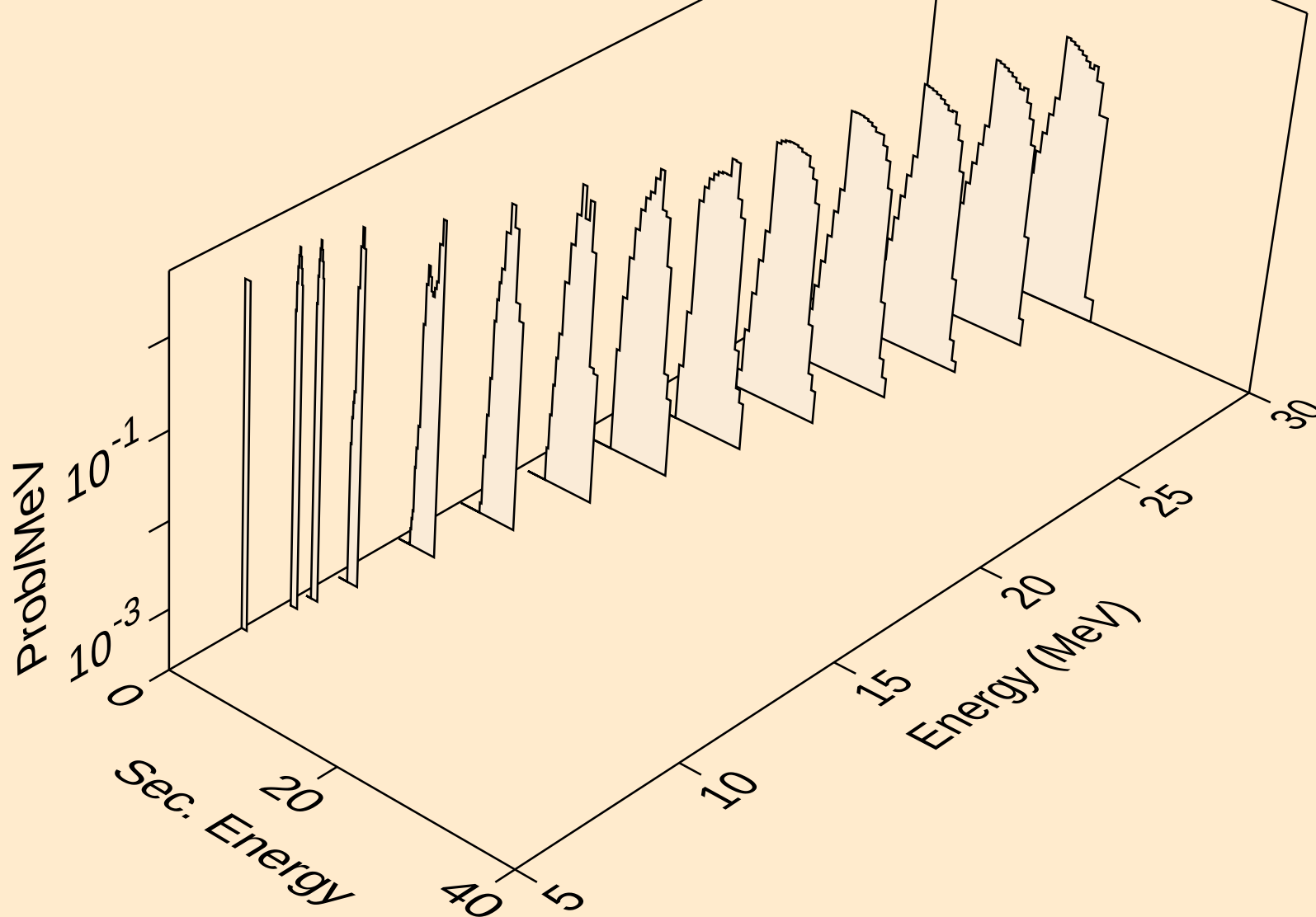
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)



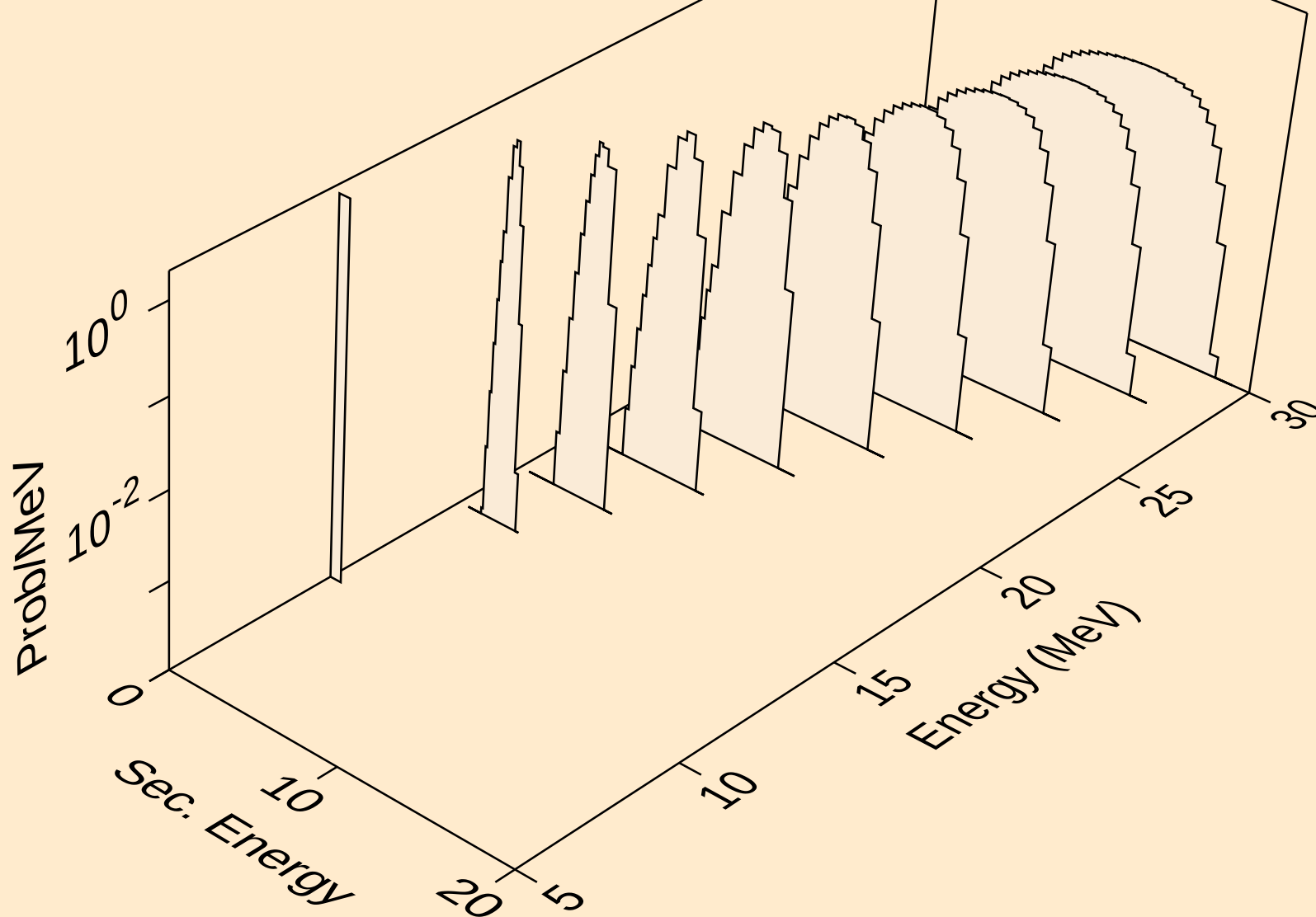
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,n*)t



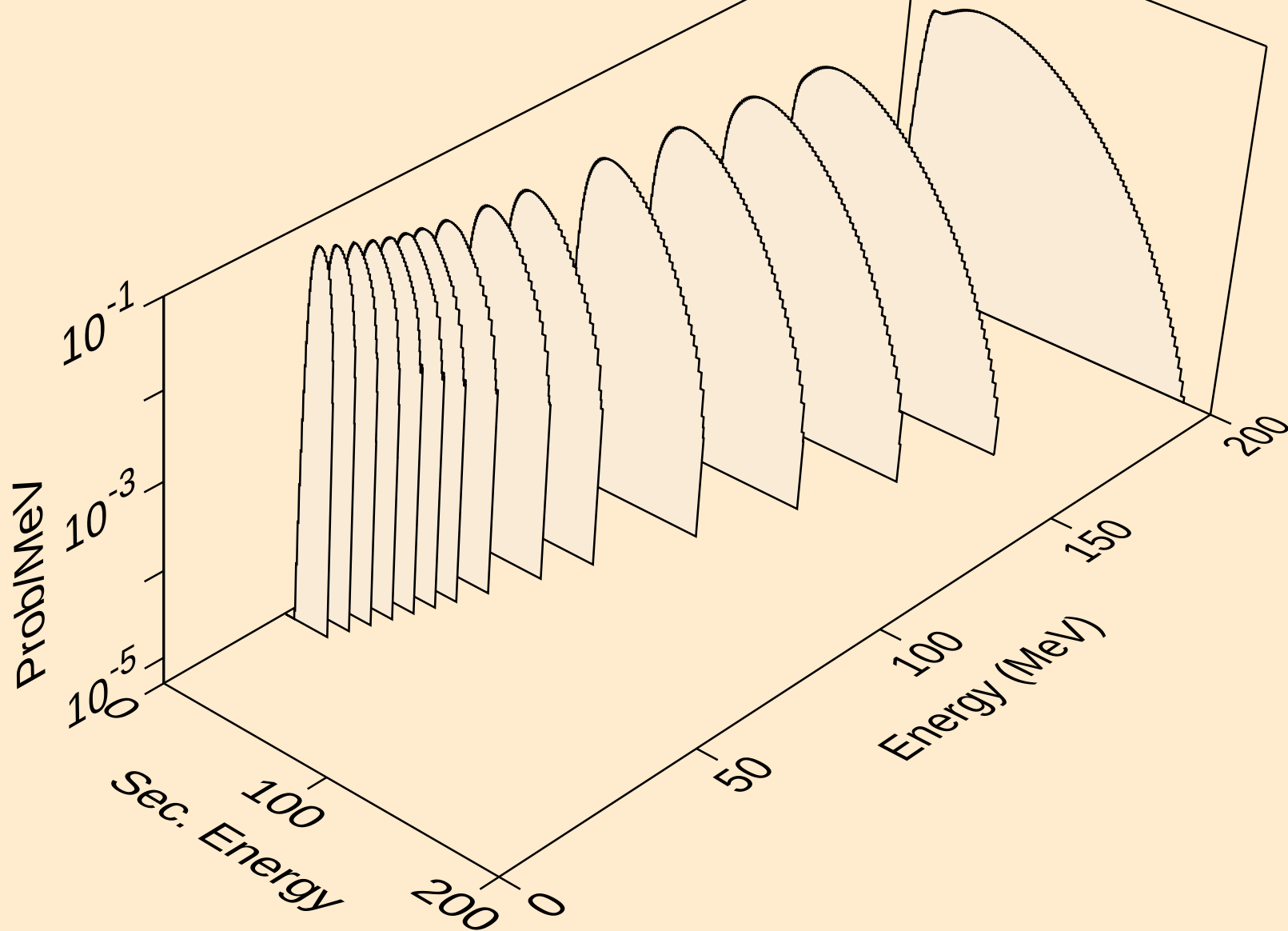
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,t)



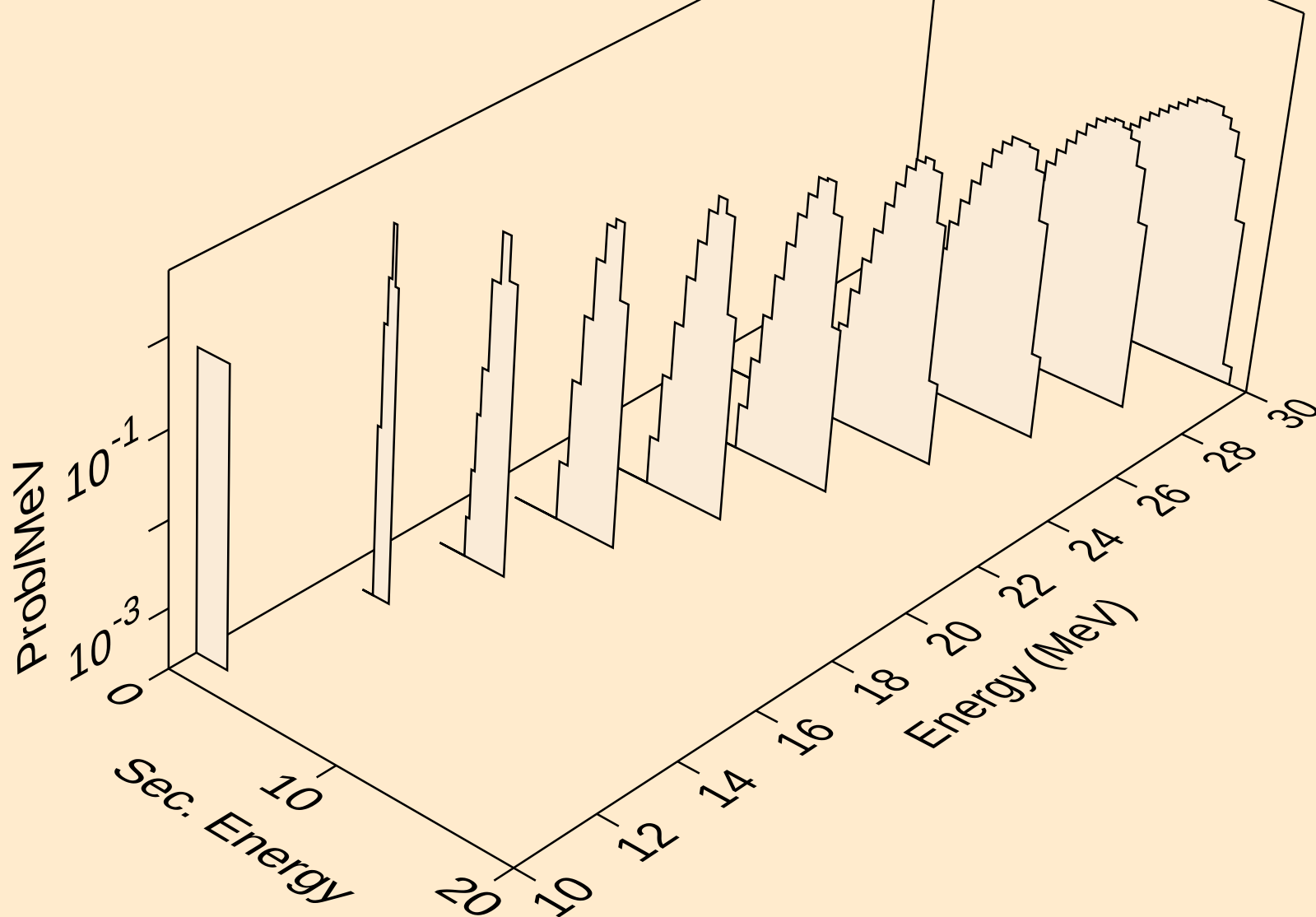
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,pt)



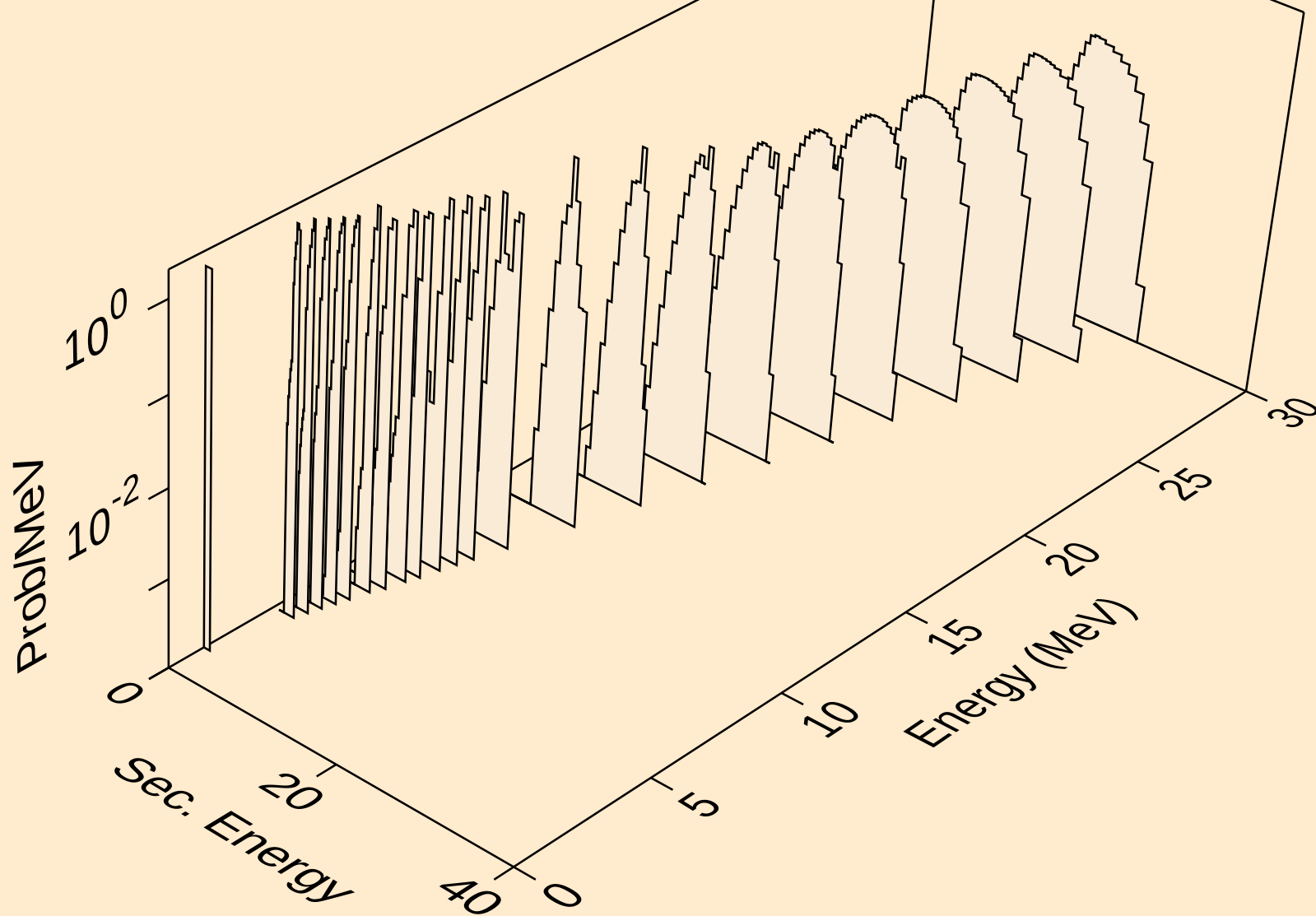
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,x)



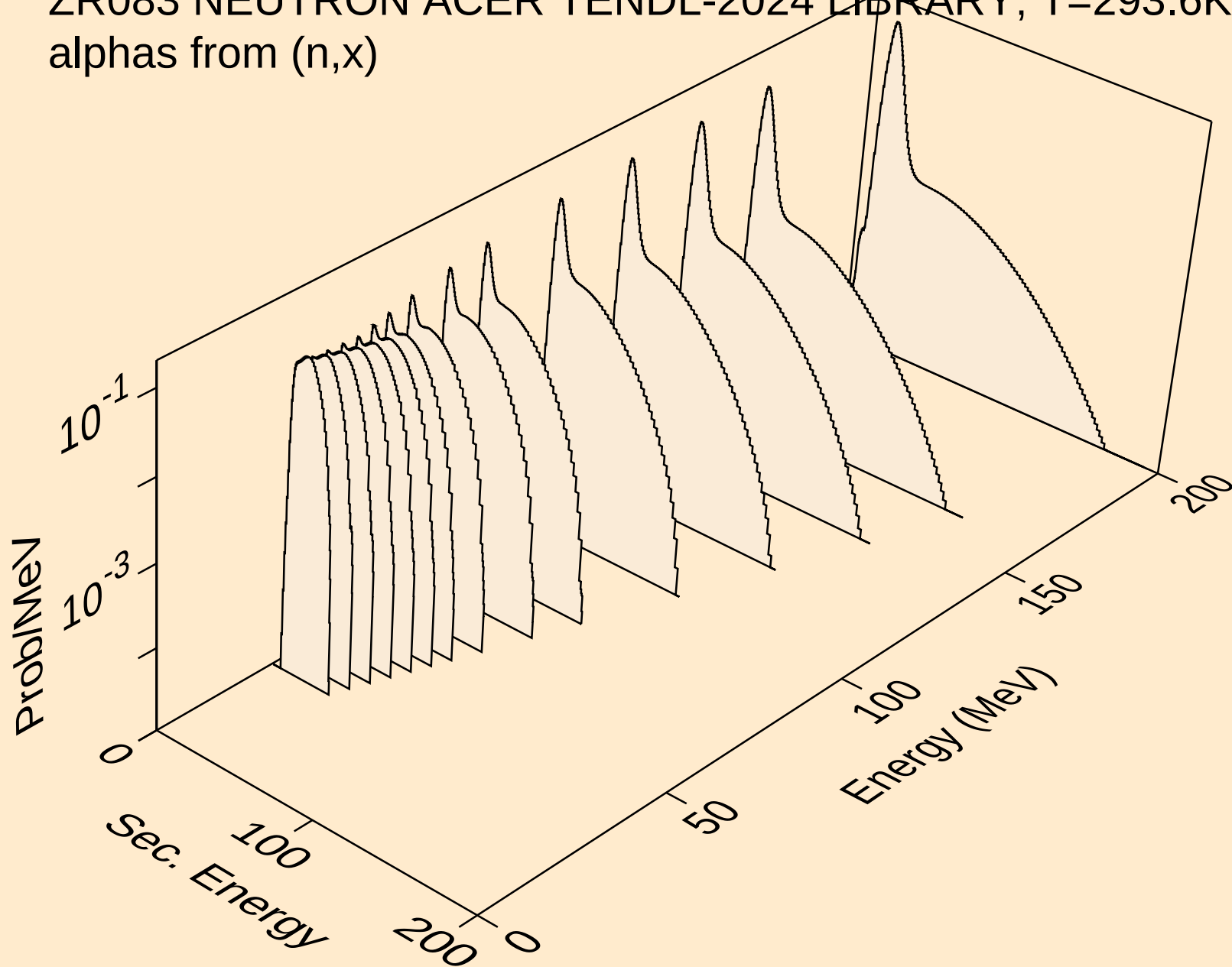
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,n*)he3



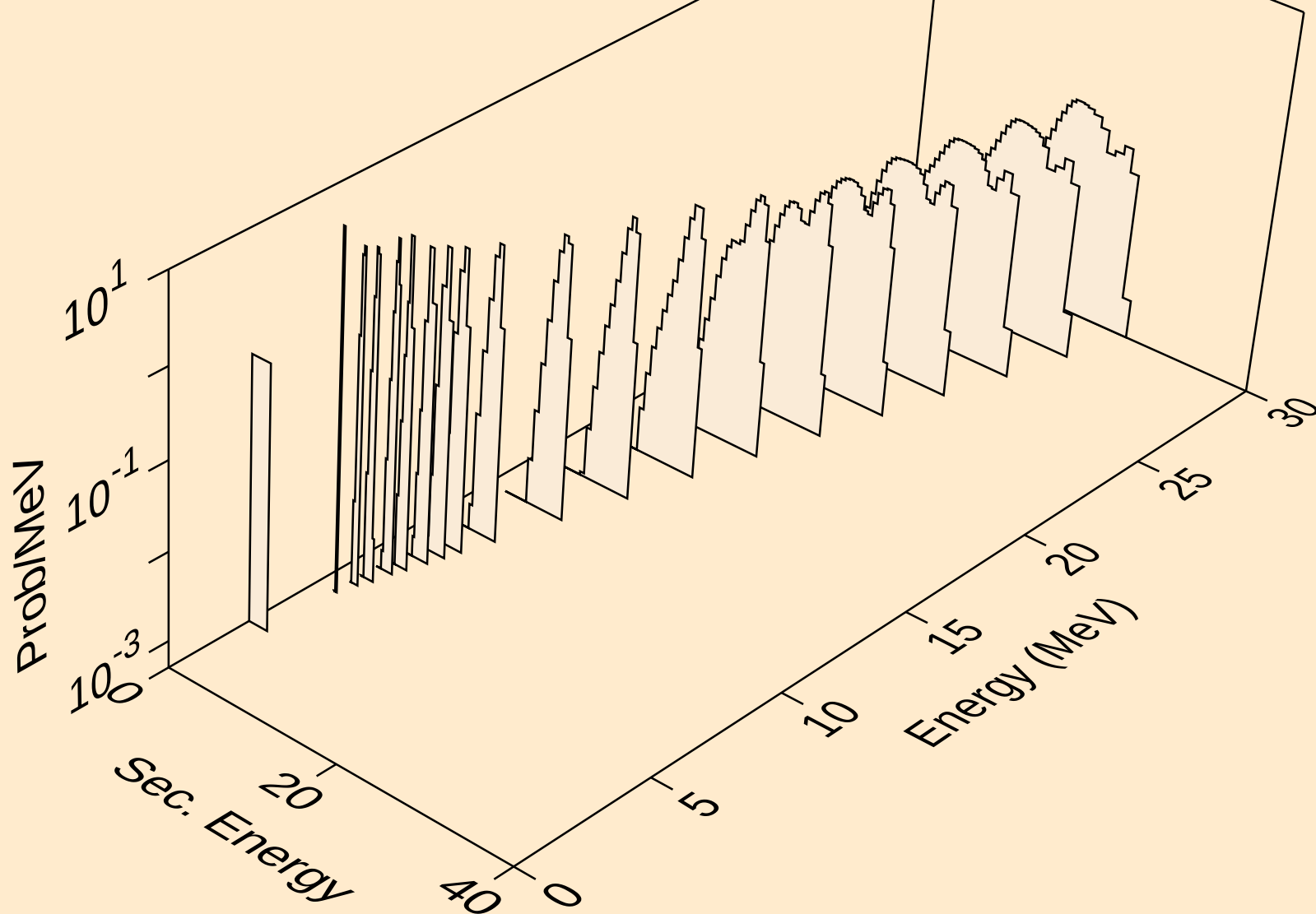
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,he3)



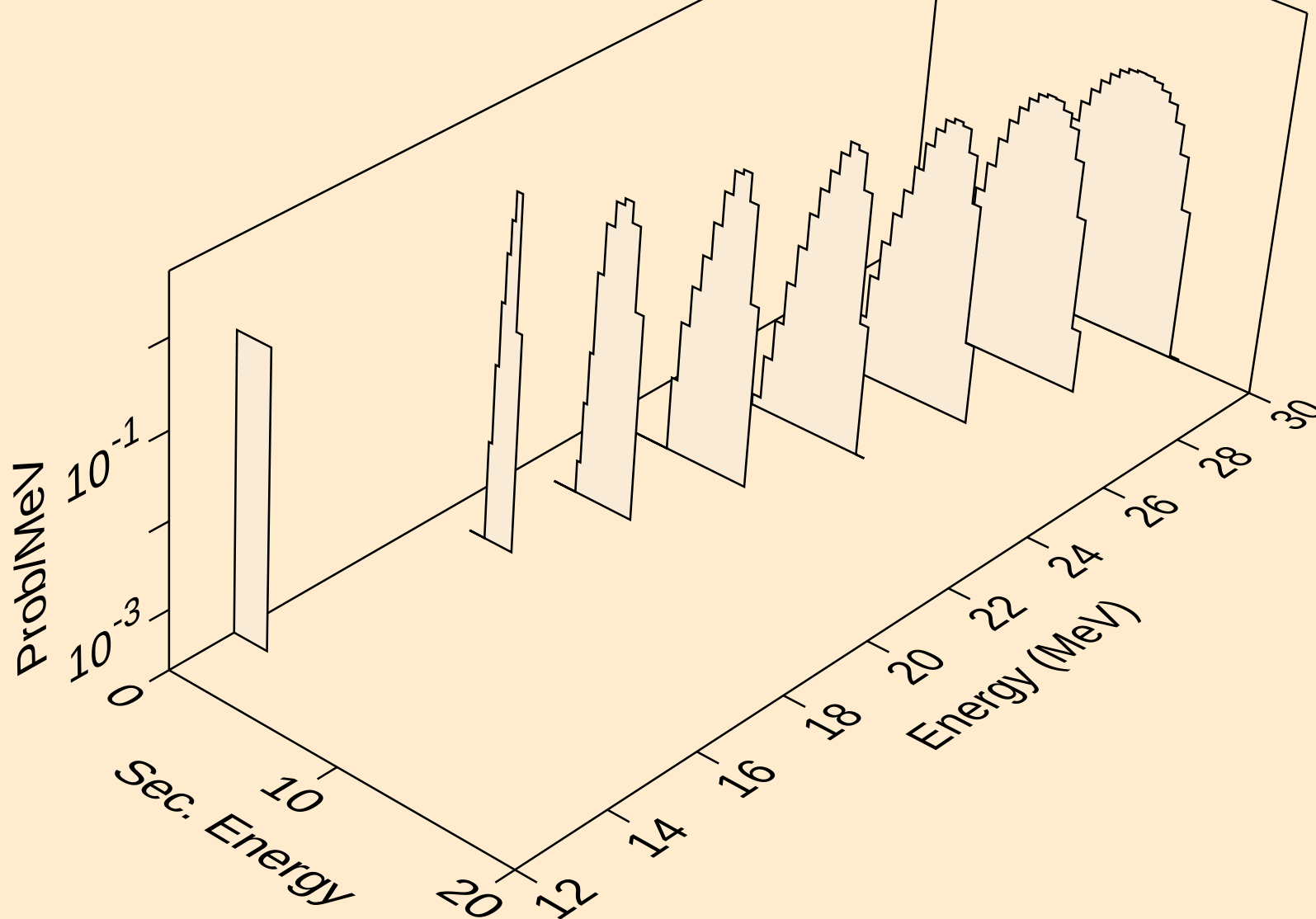
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)



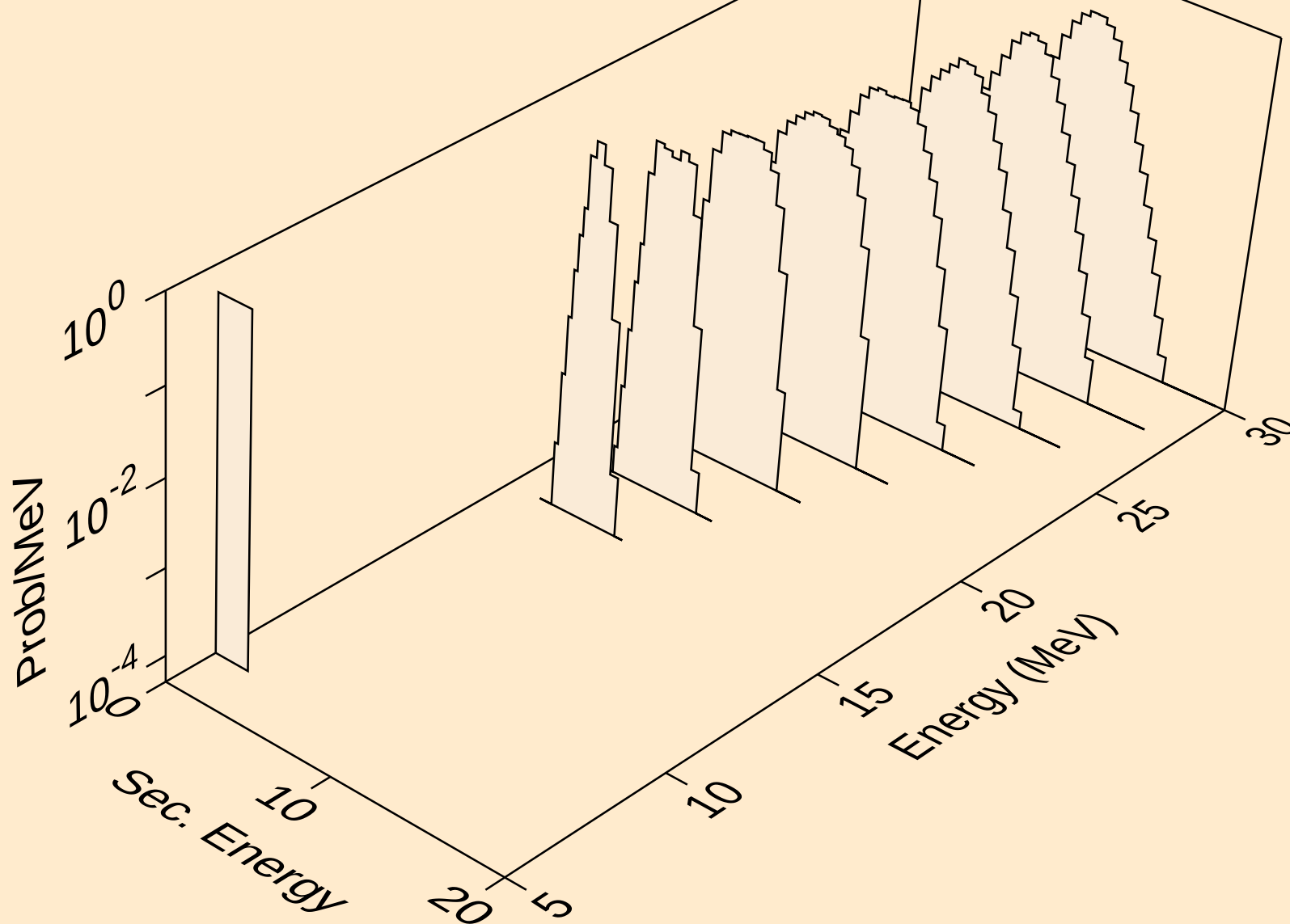
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)a



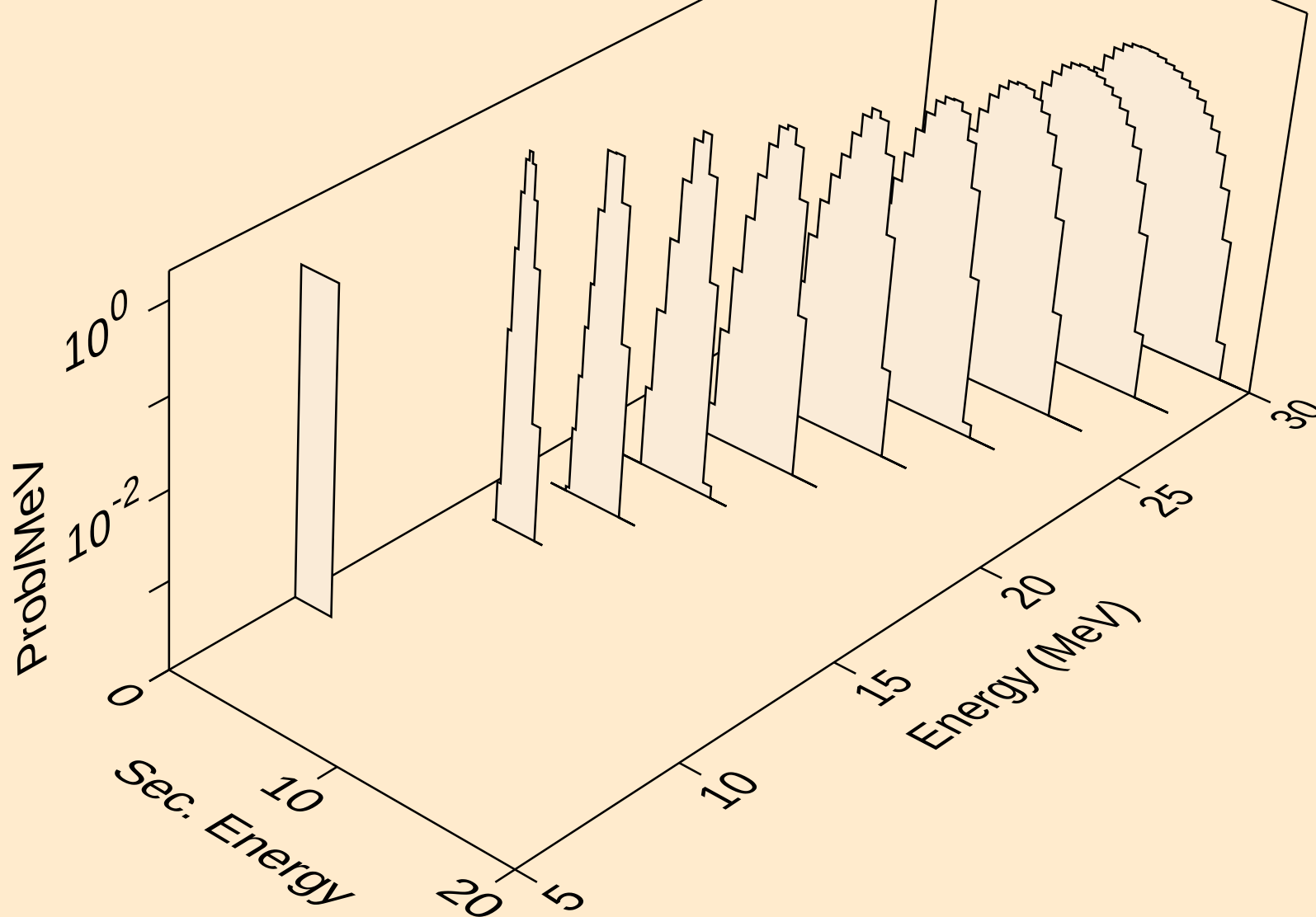
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a



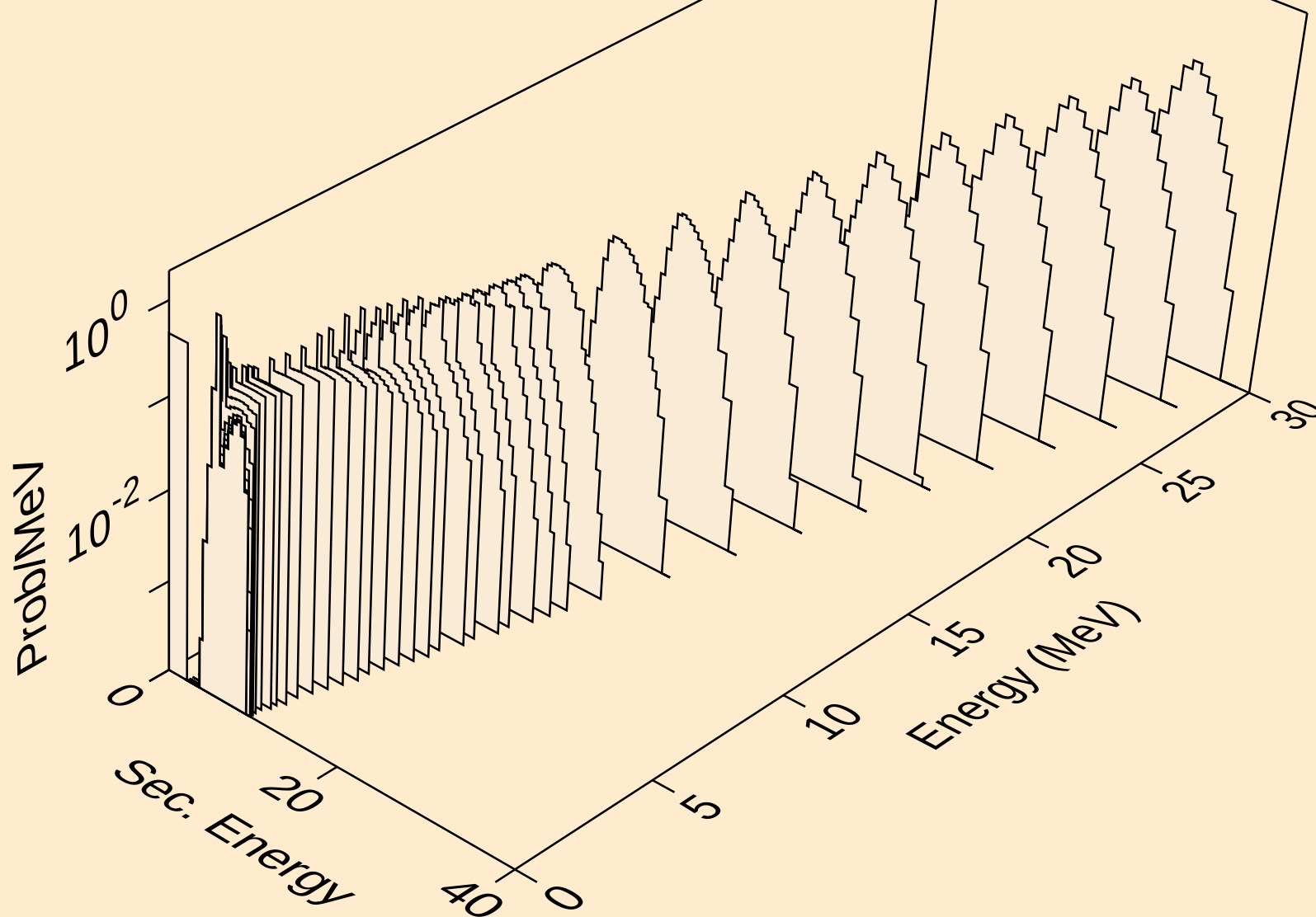
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)2a



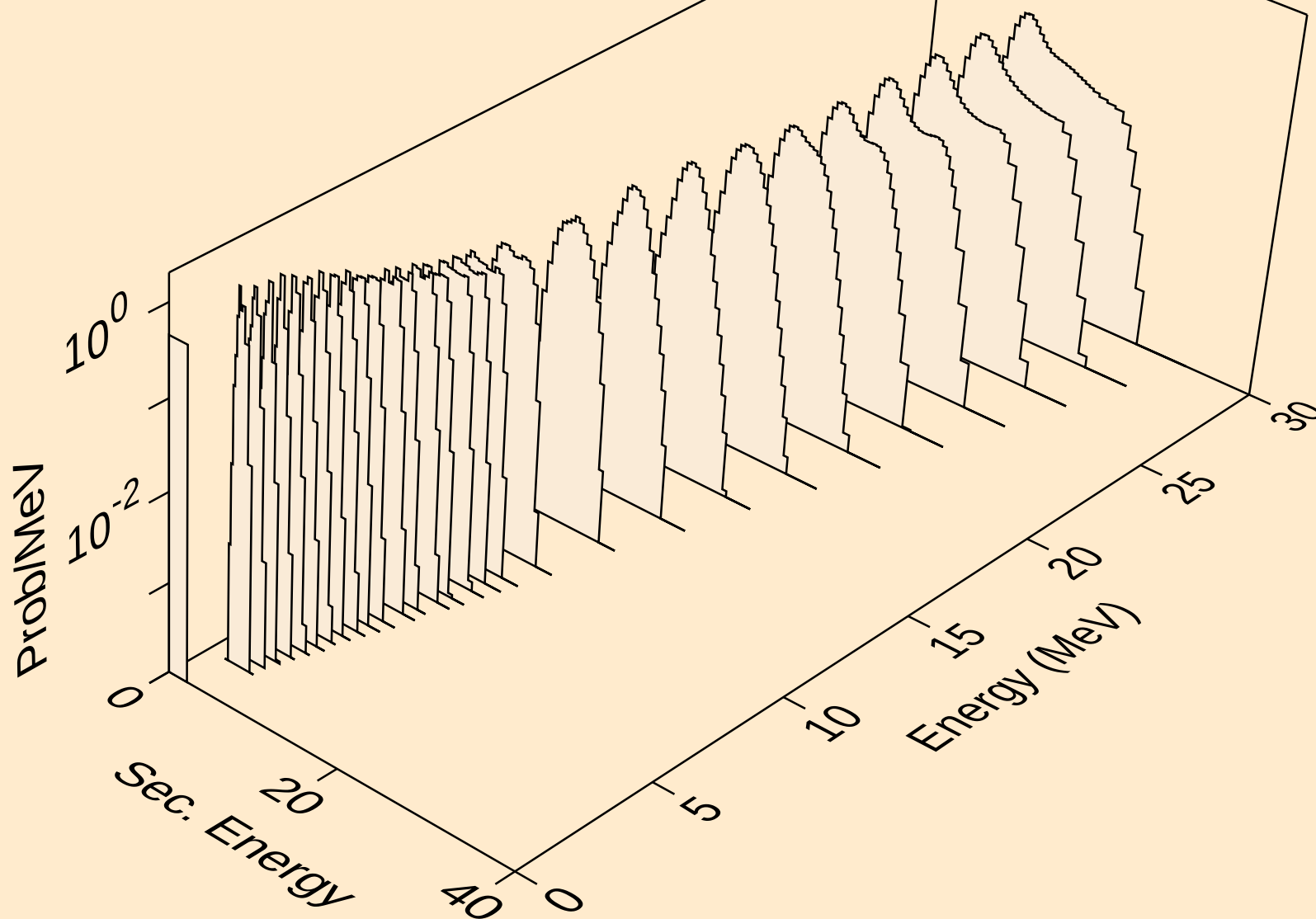
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,npa)



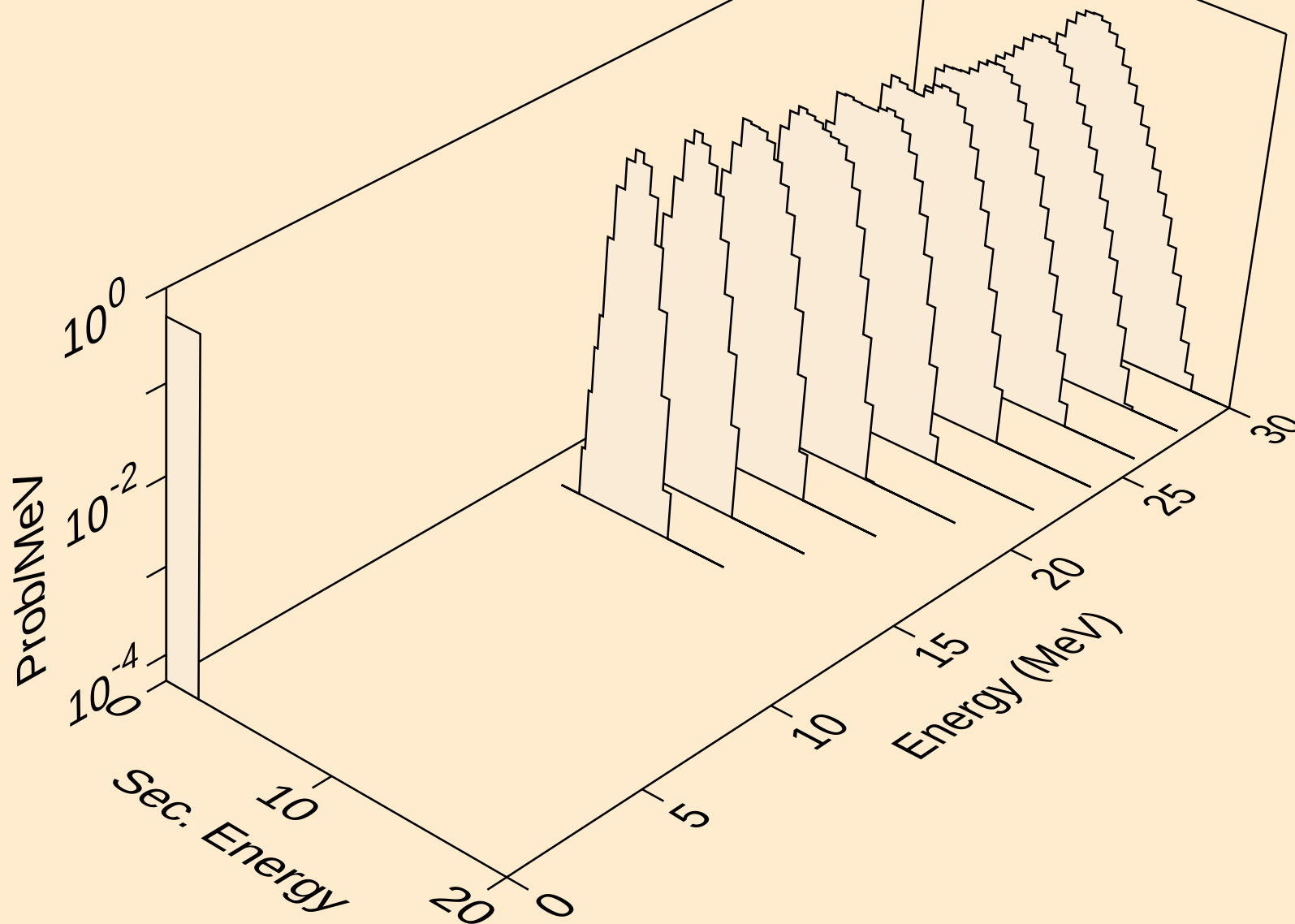
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,a)



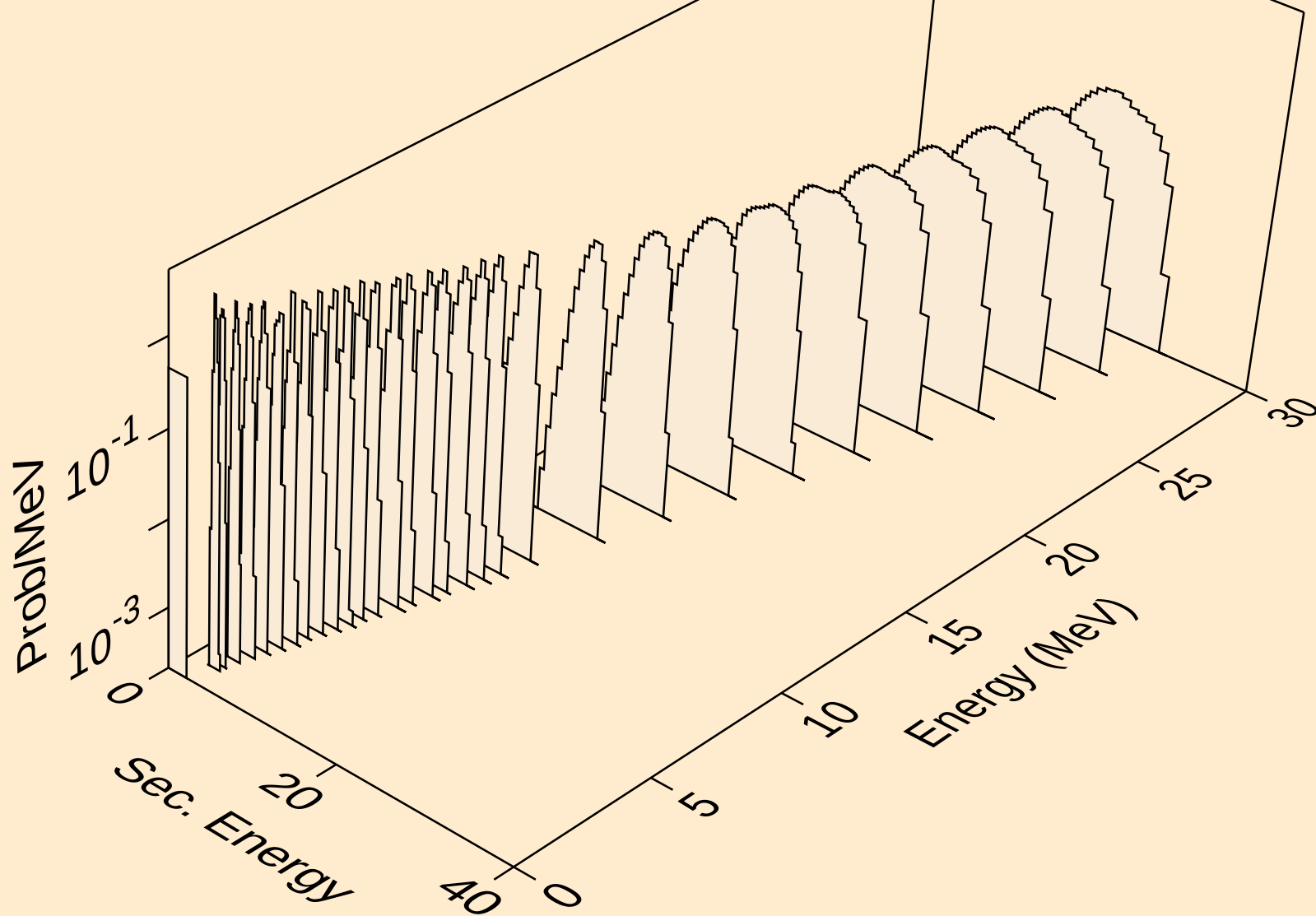
ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2a)



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3a)



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,pa)



ZR083 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,da)

