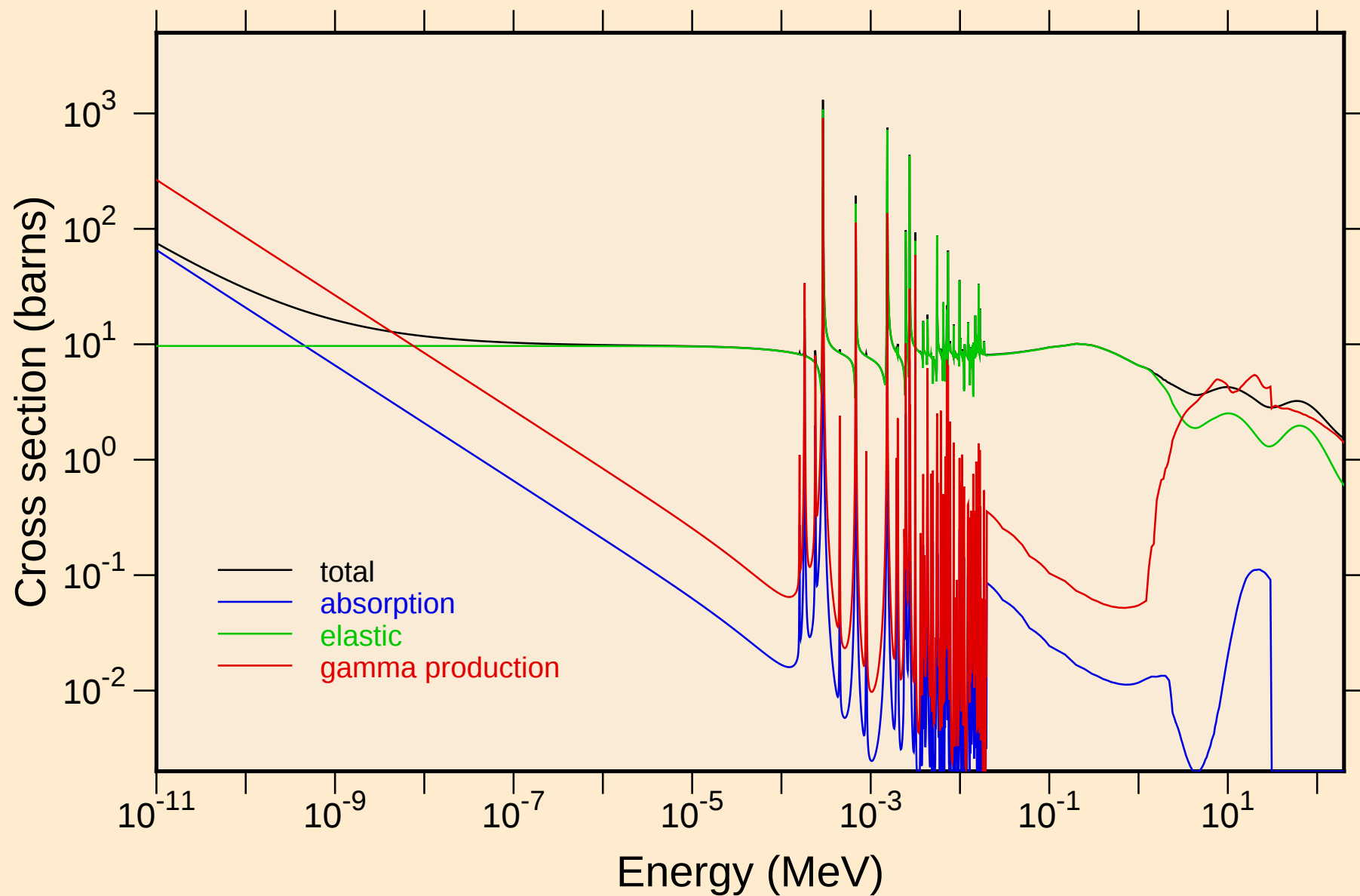
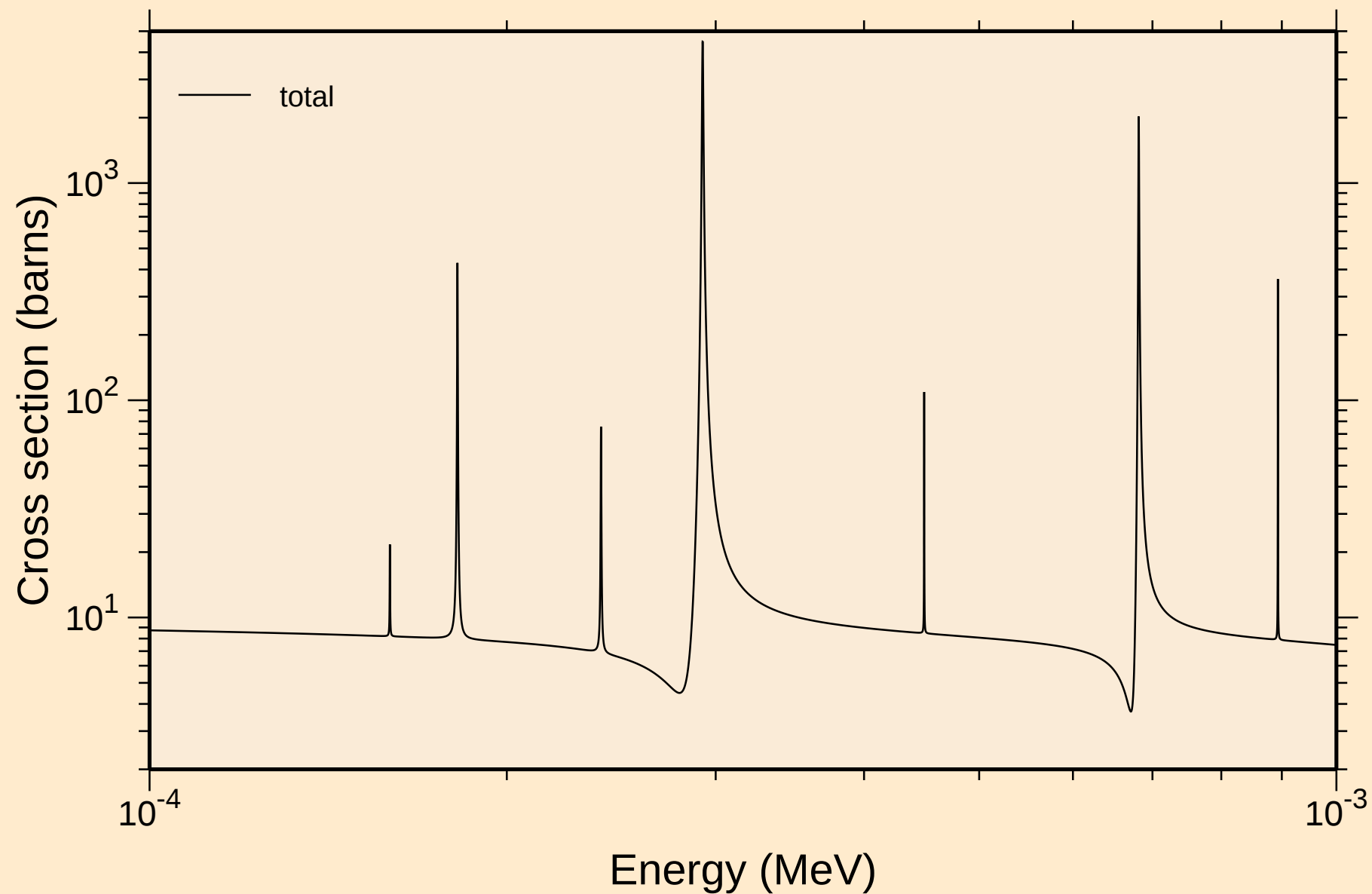


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

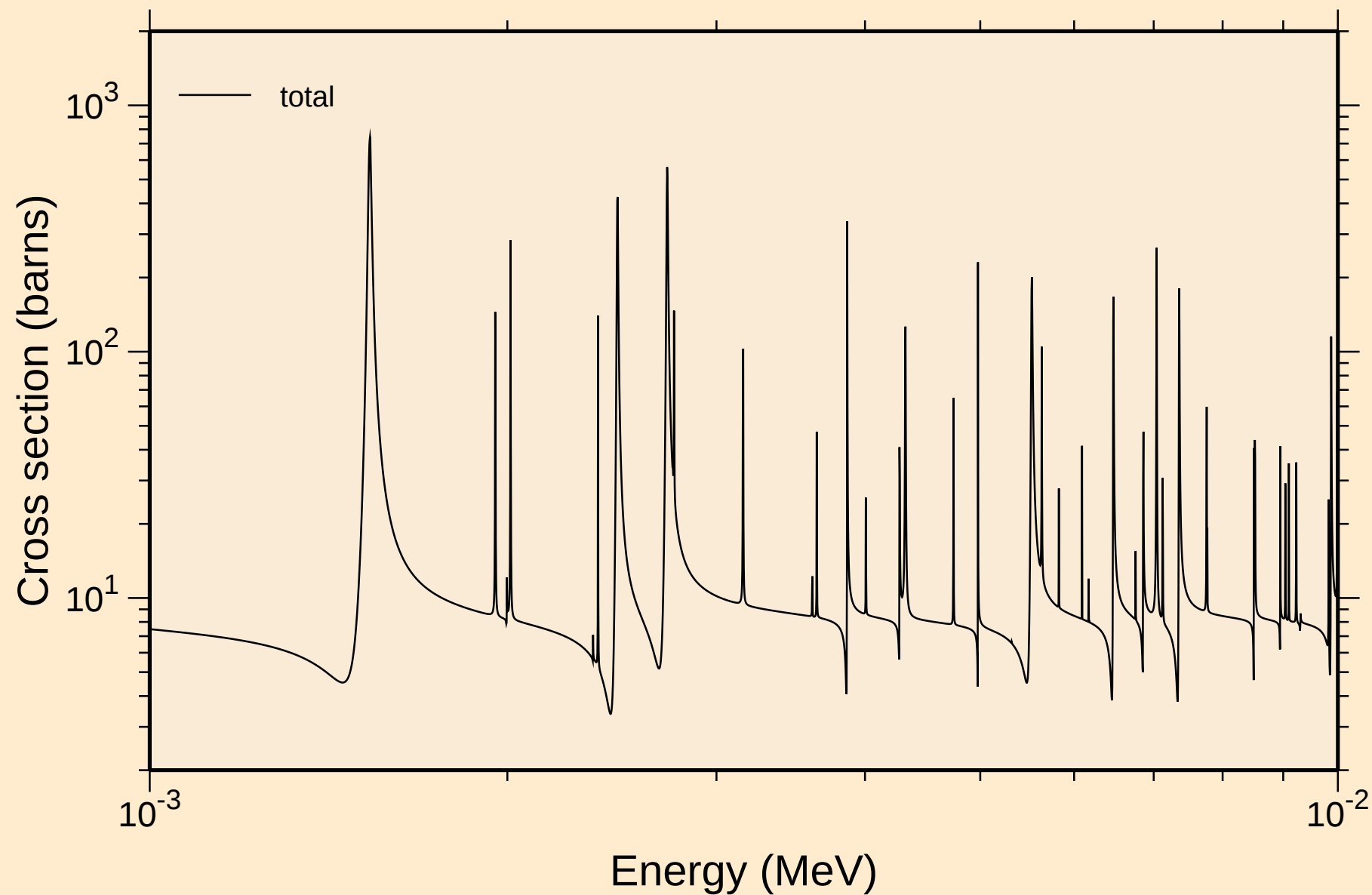
Principal cross sections



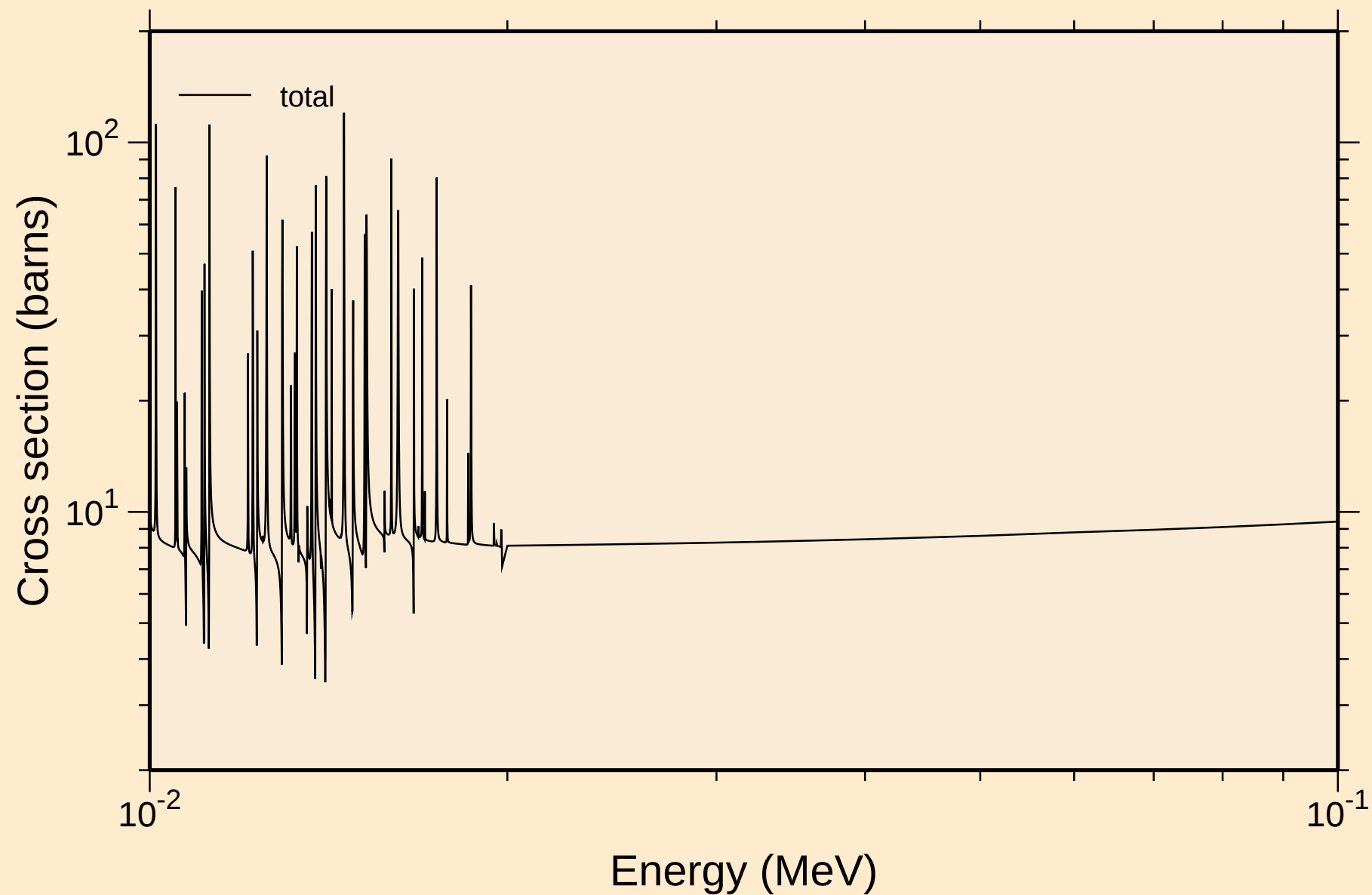
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



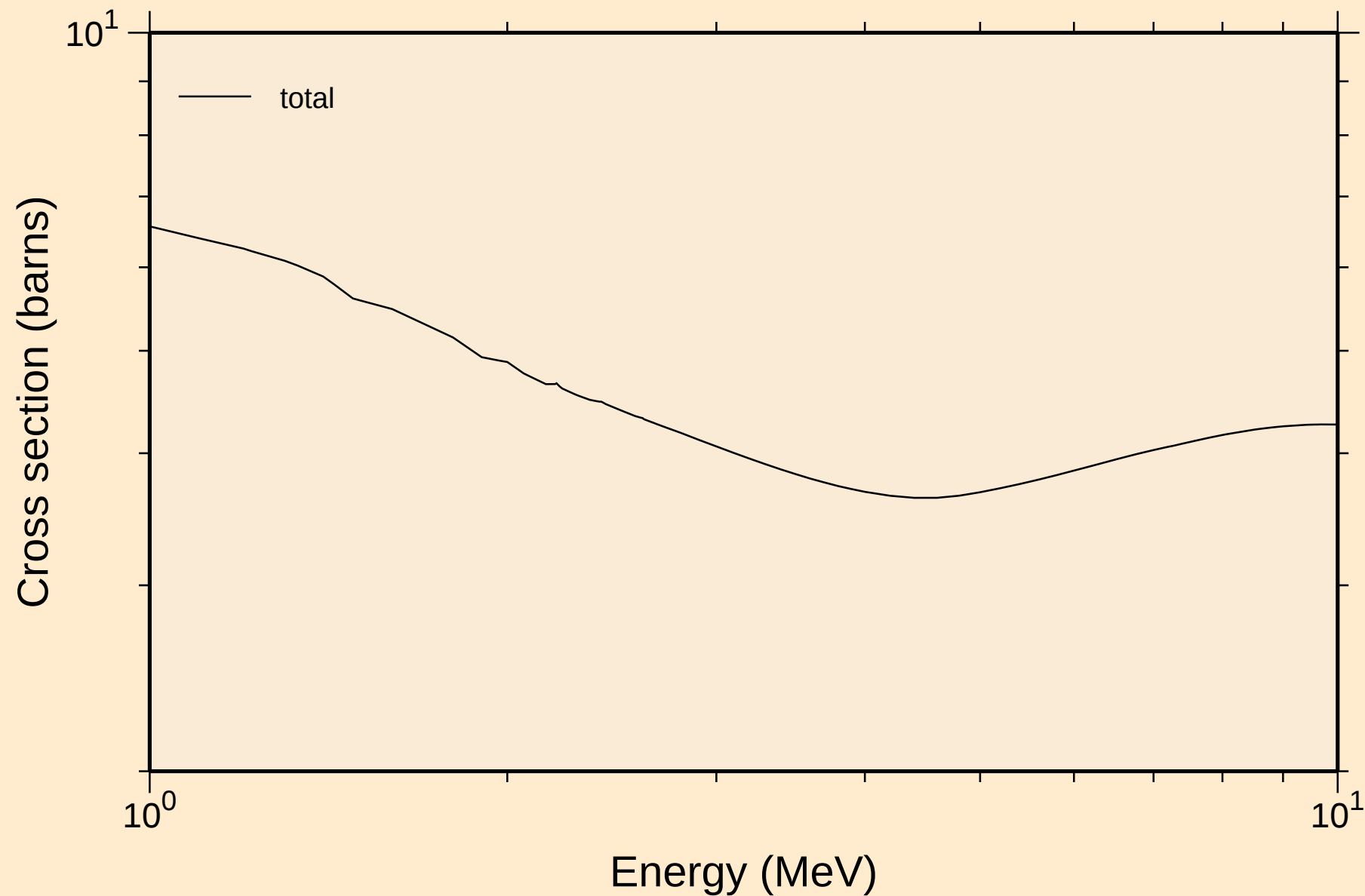
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



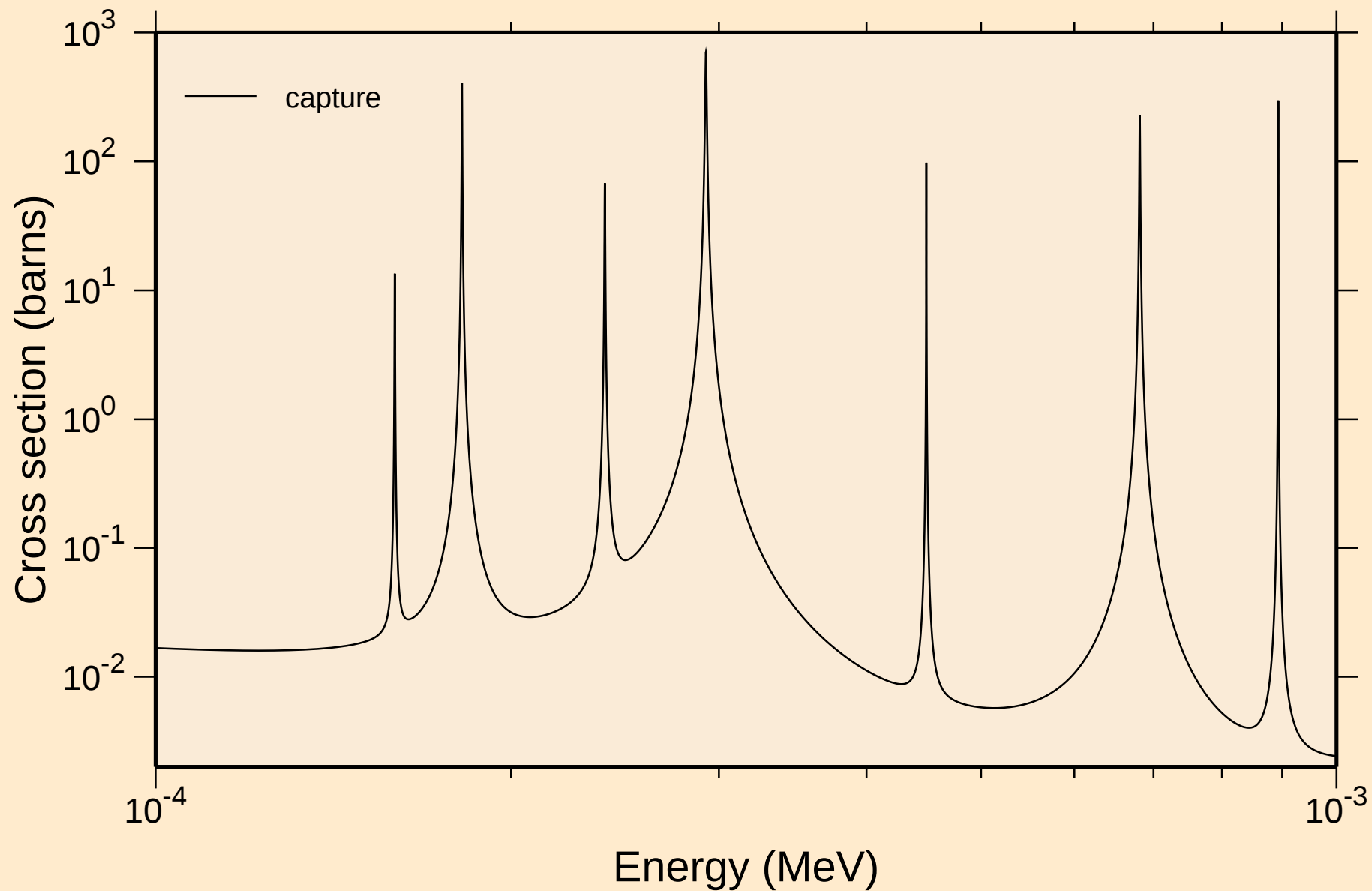
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



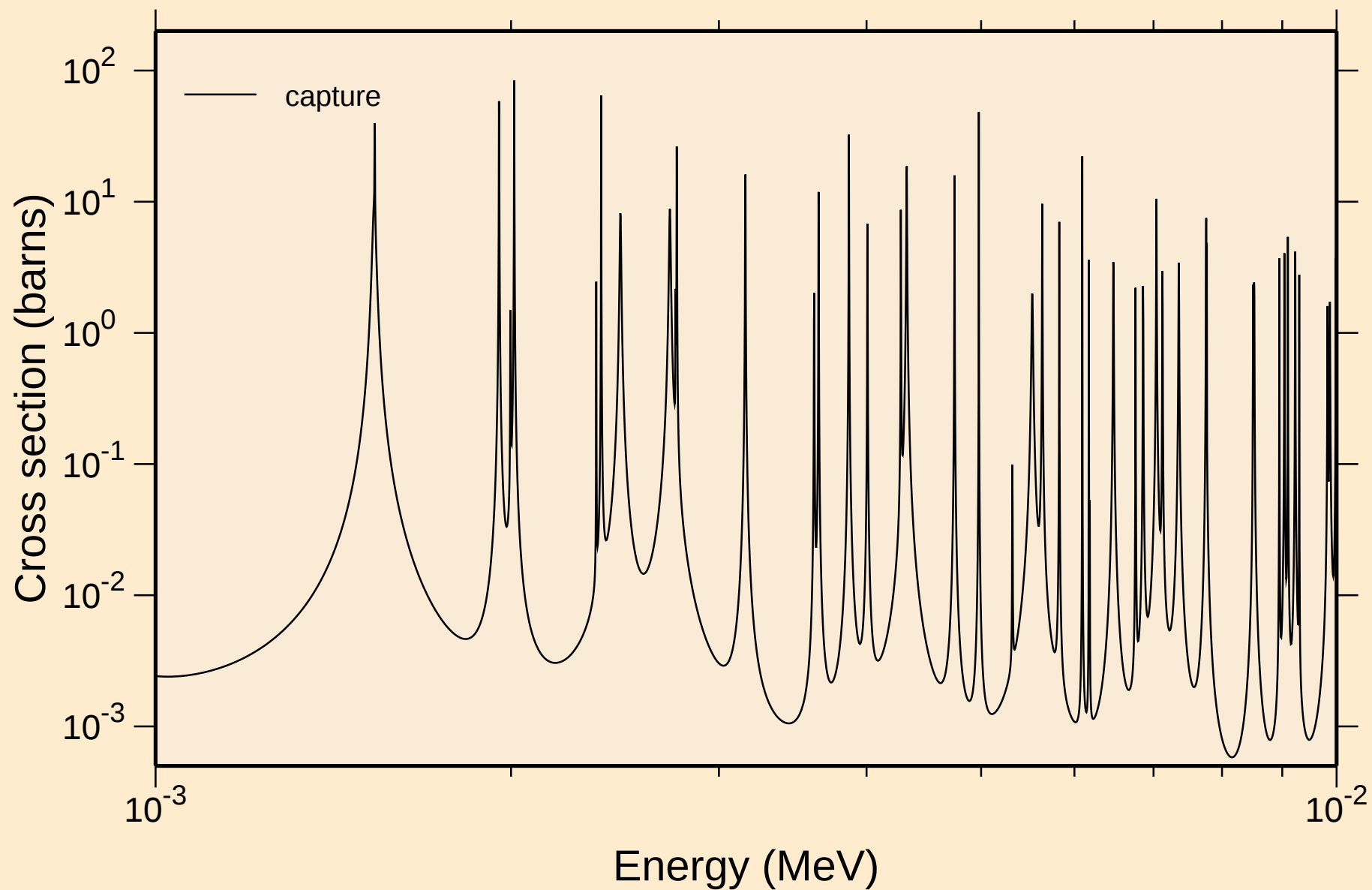
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



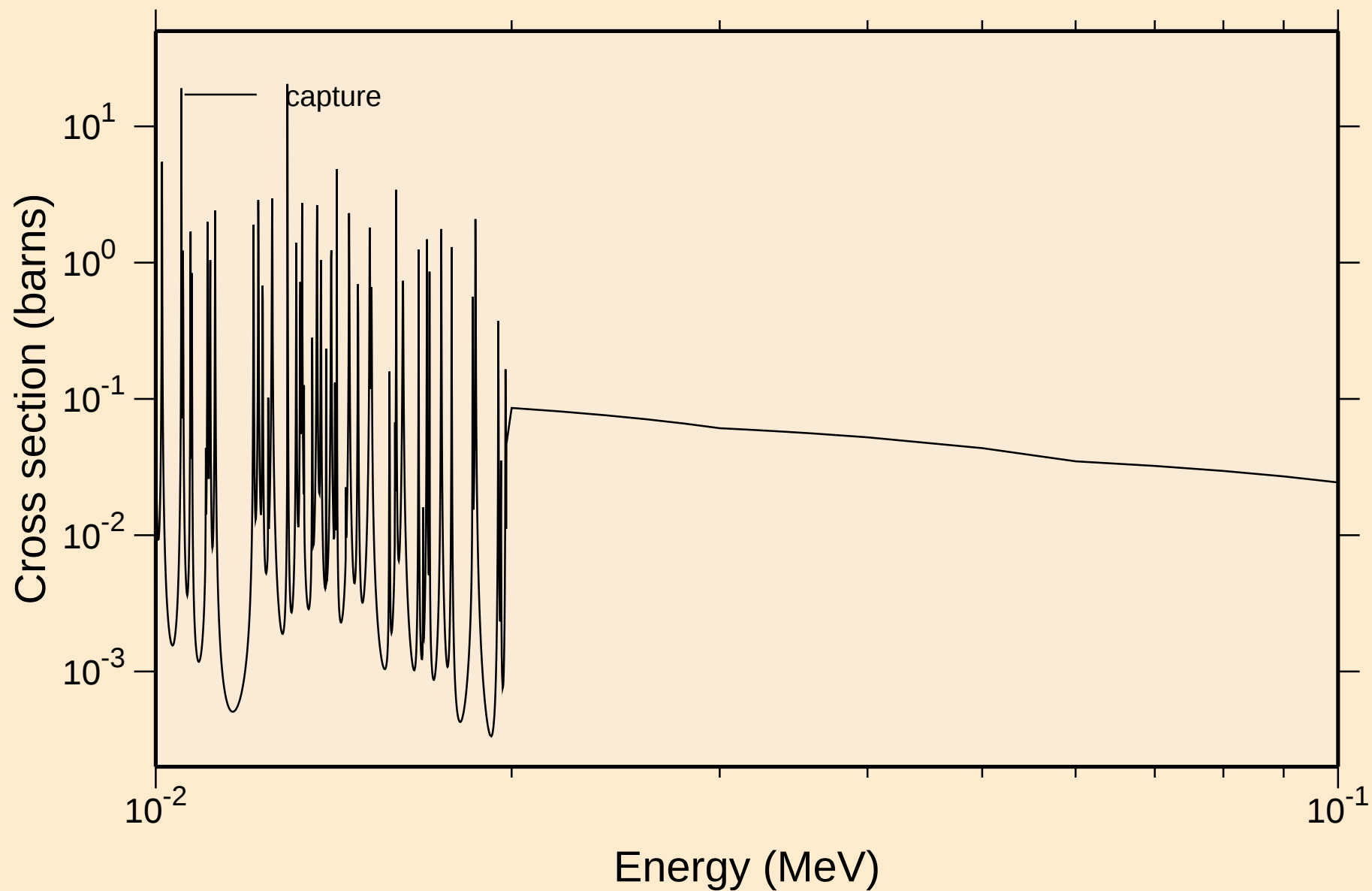
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



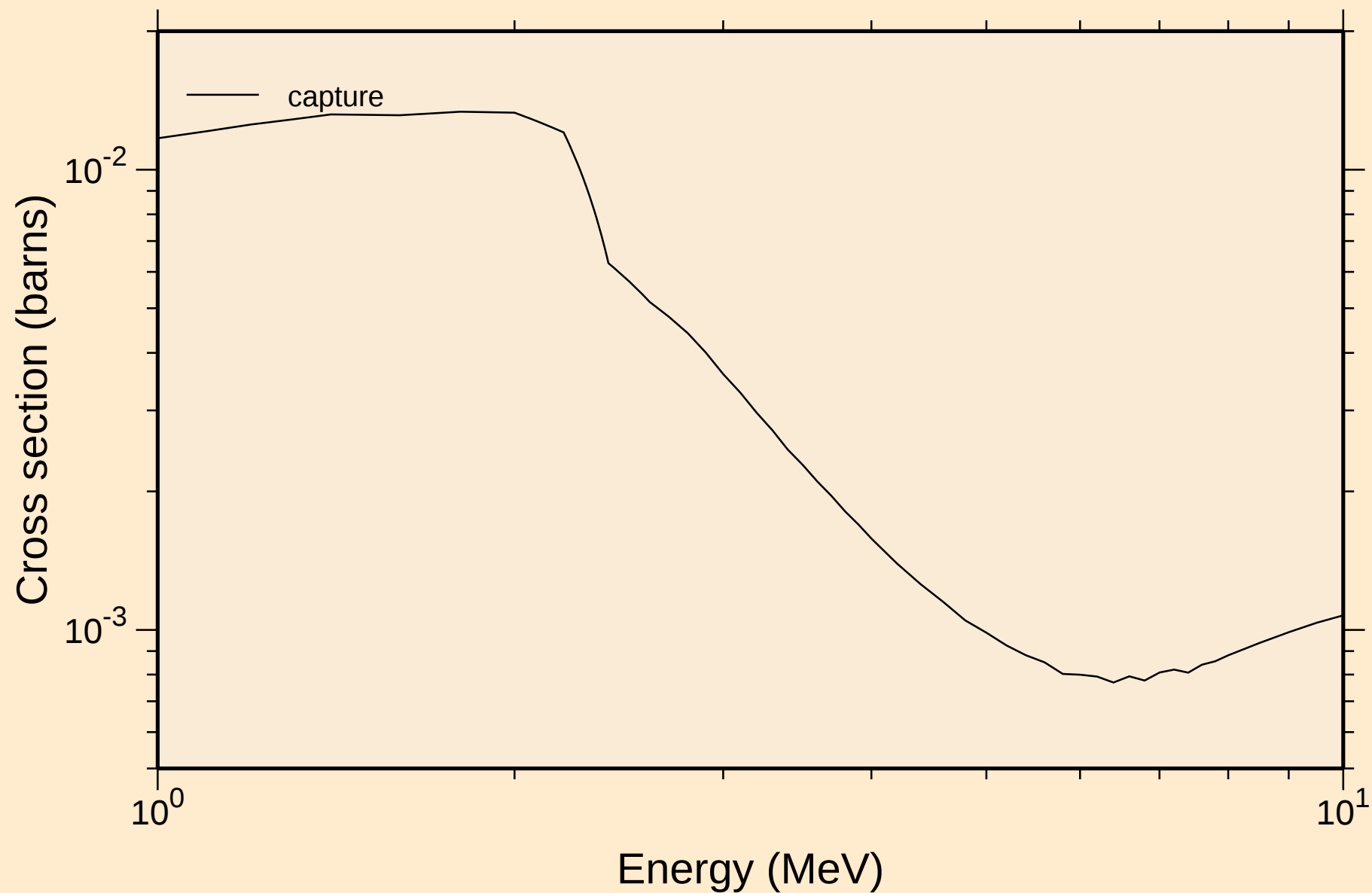
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



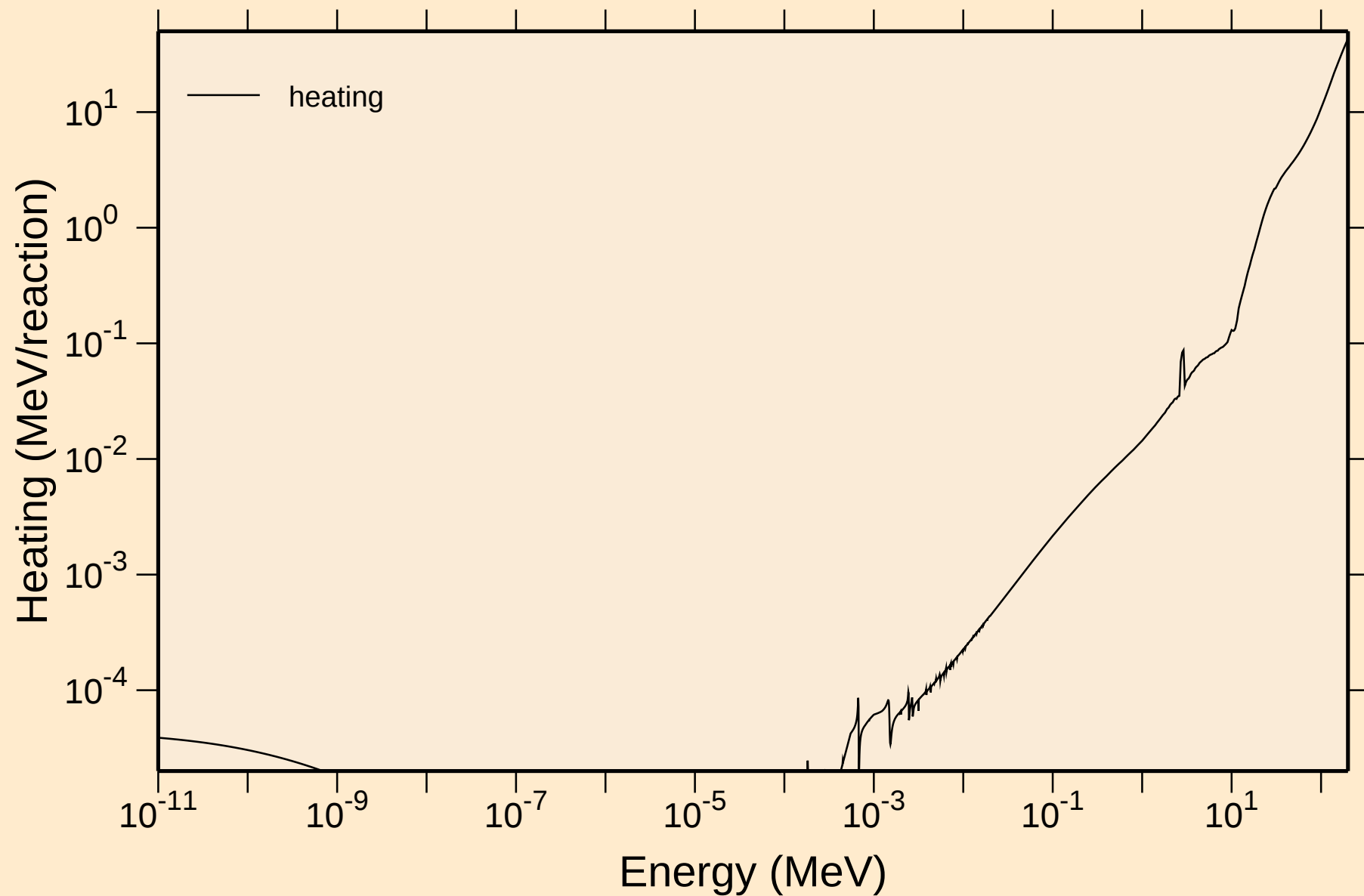
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



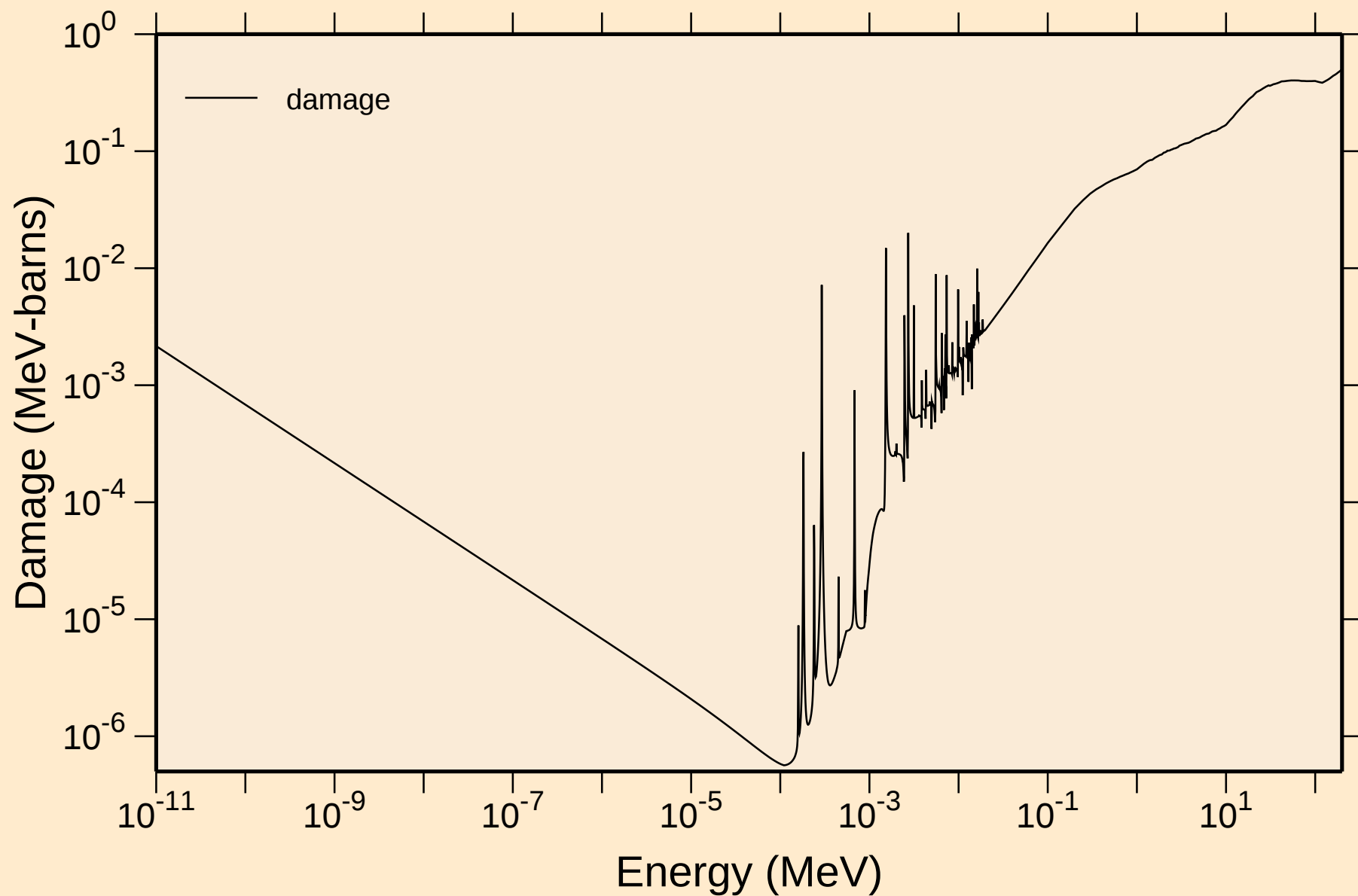
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



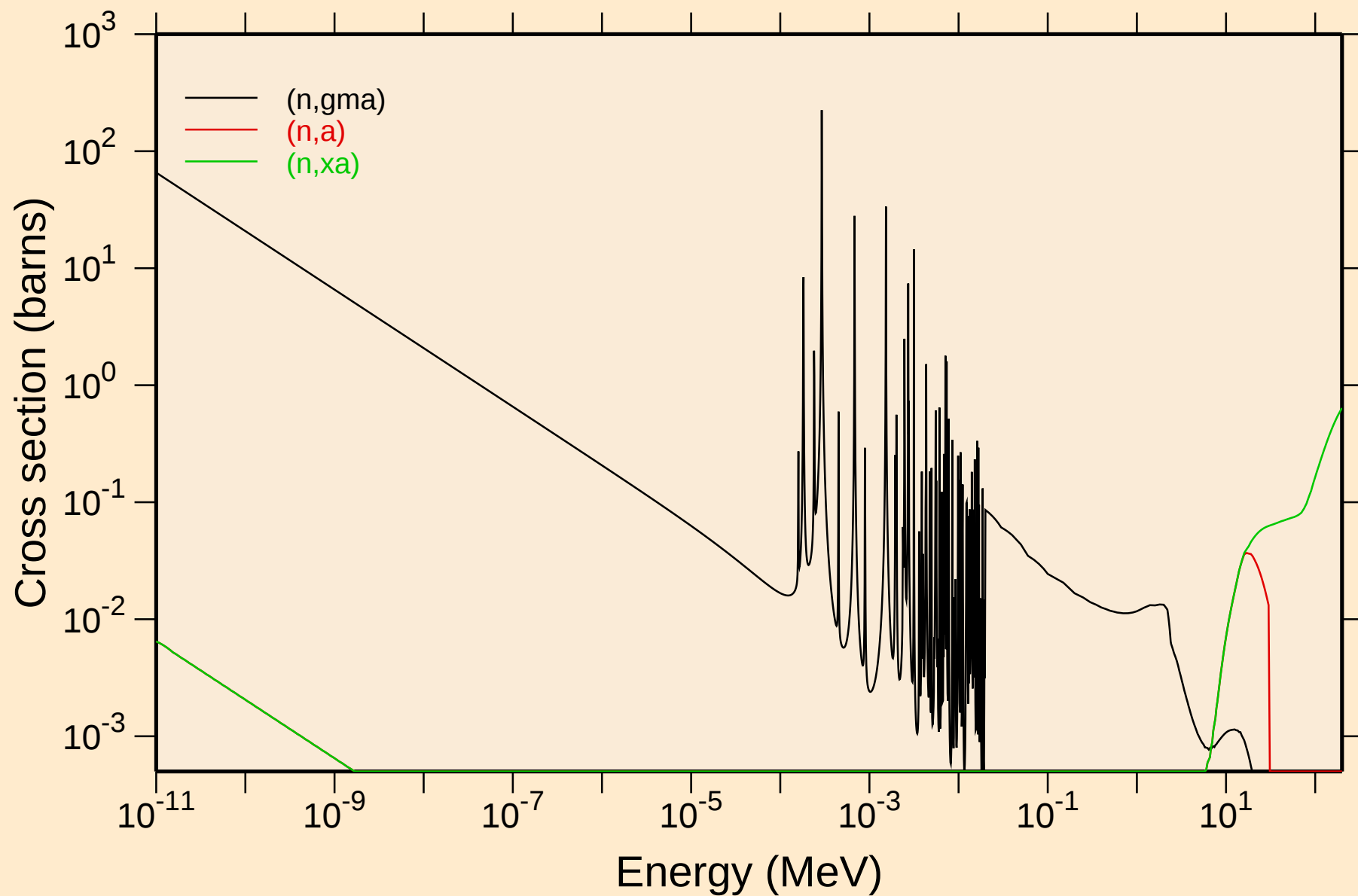
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Heating



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage

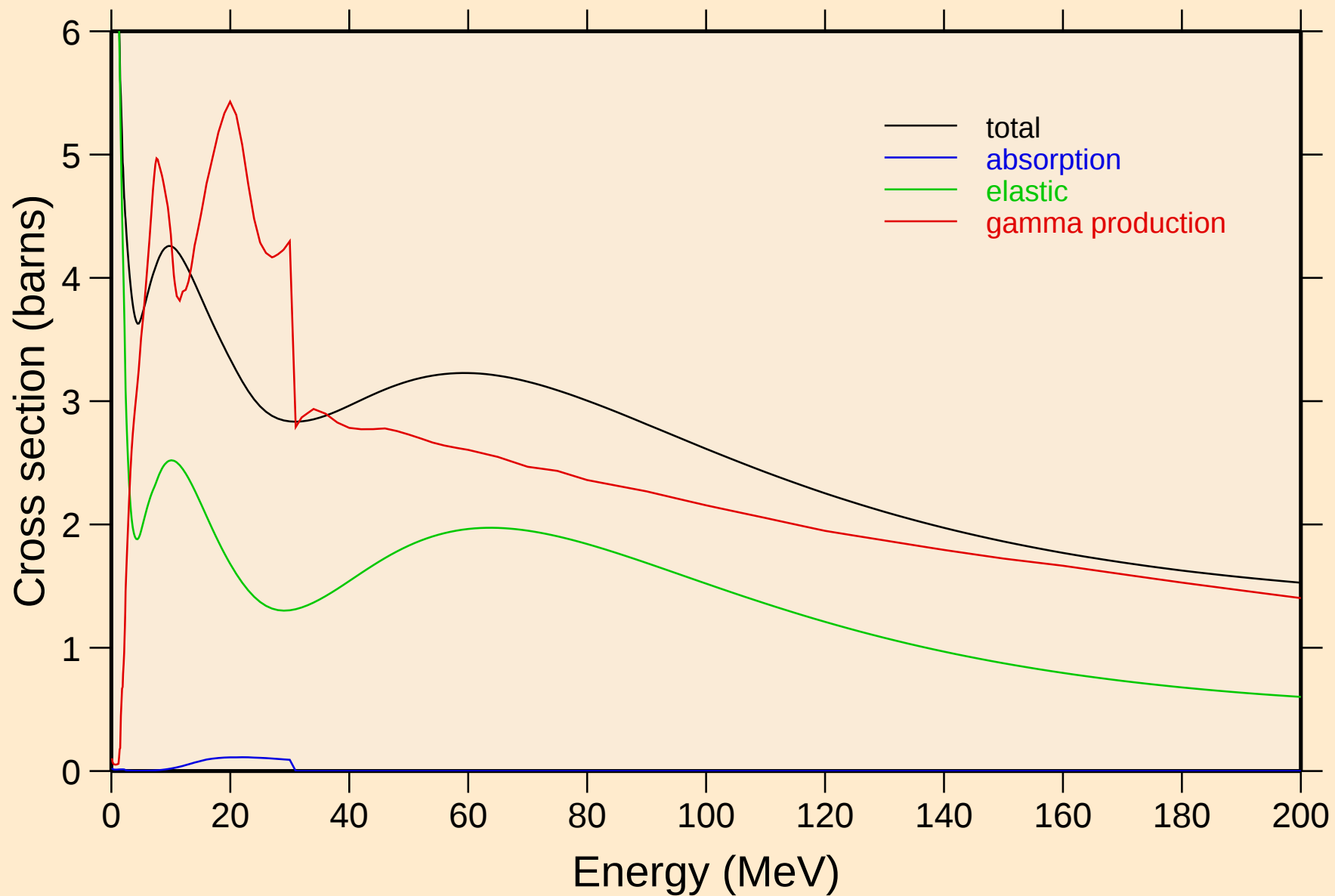


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

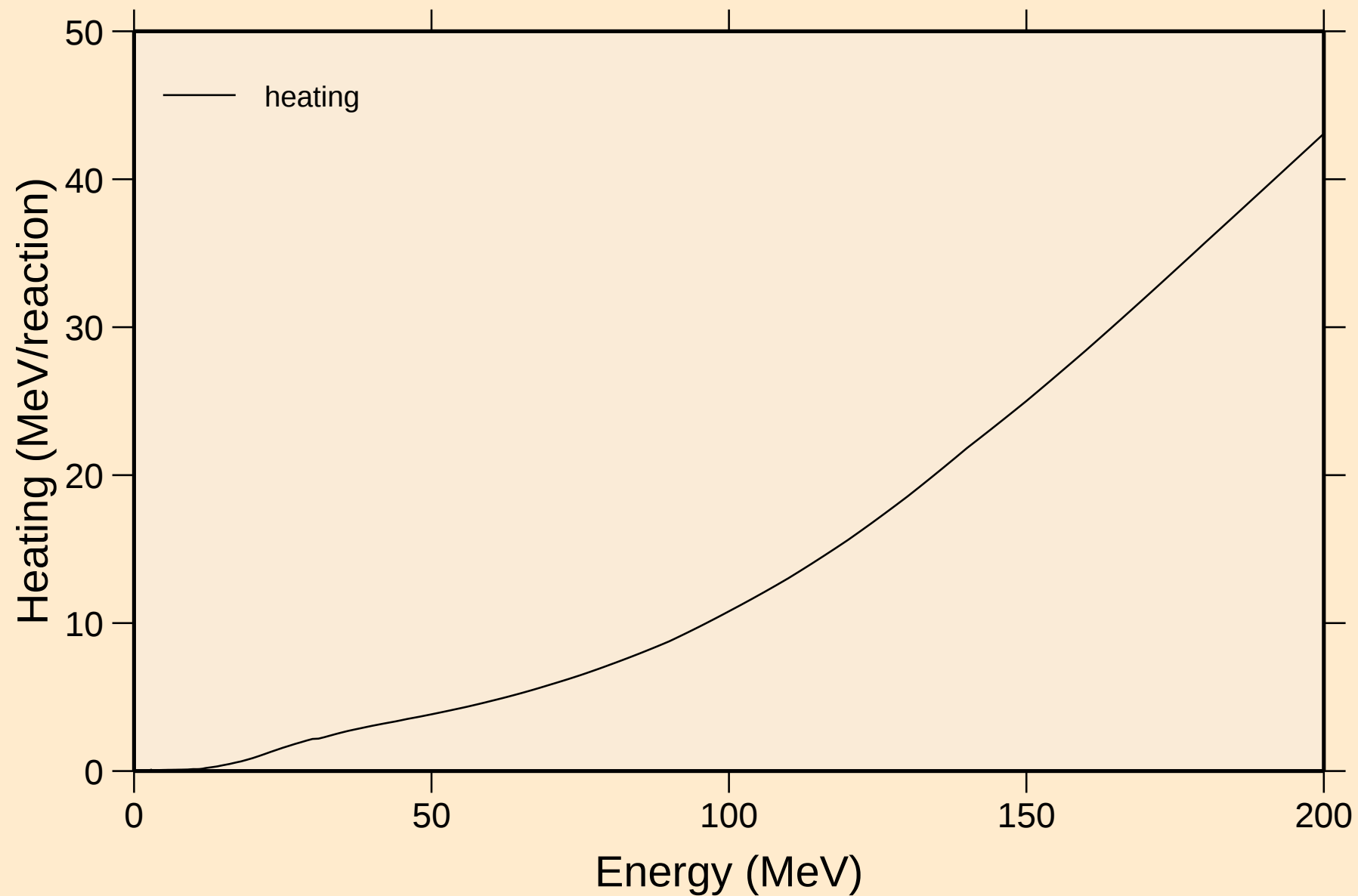


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

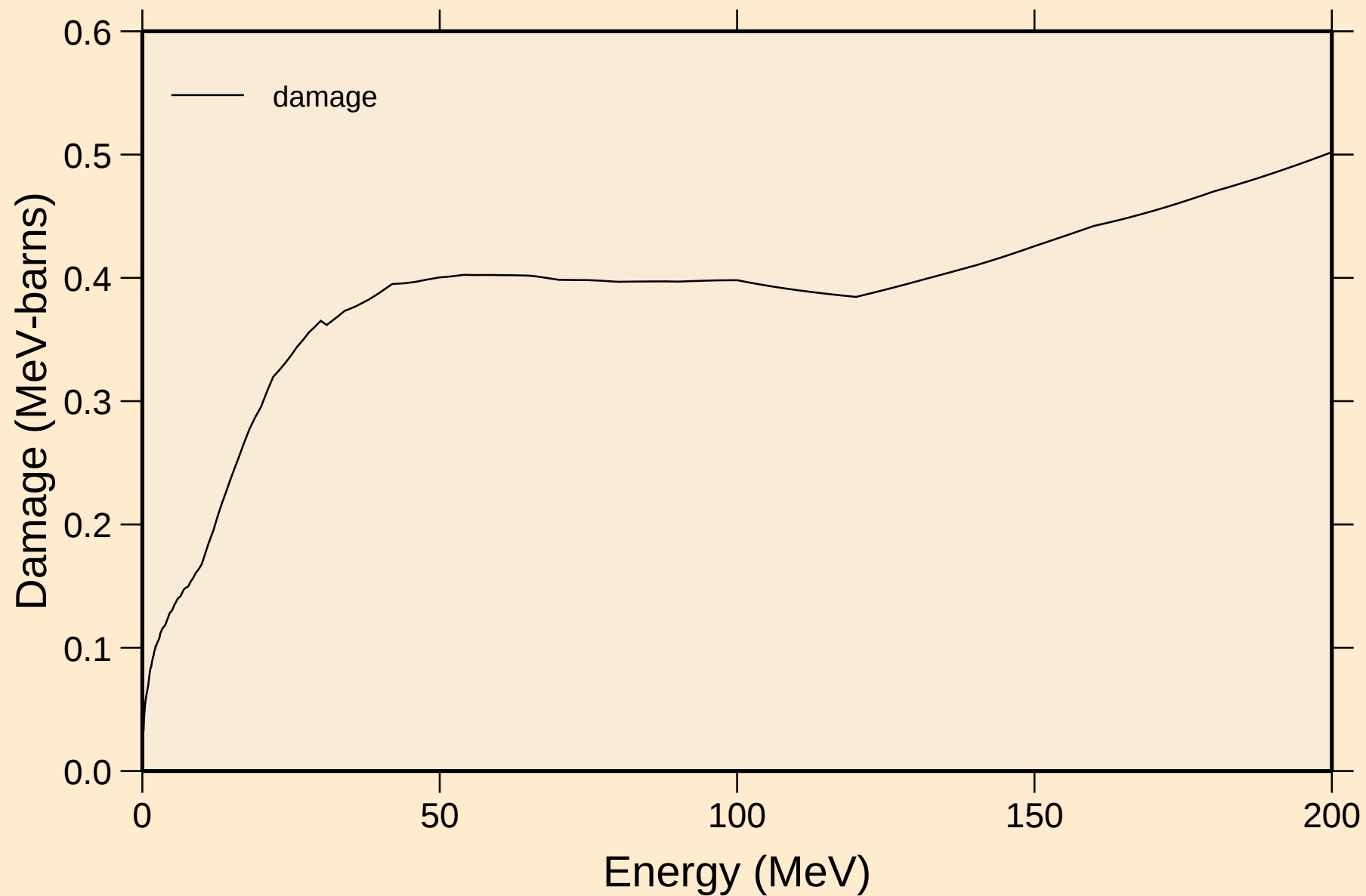
Principal cross sections



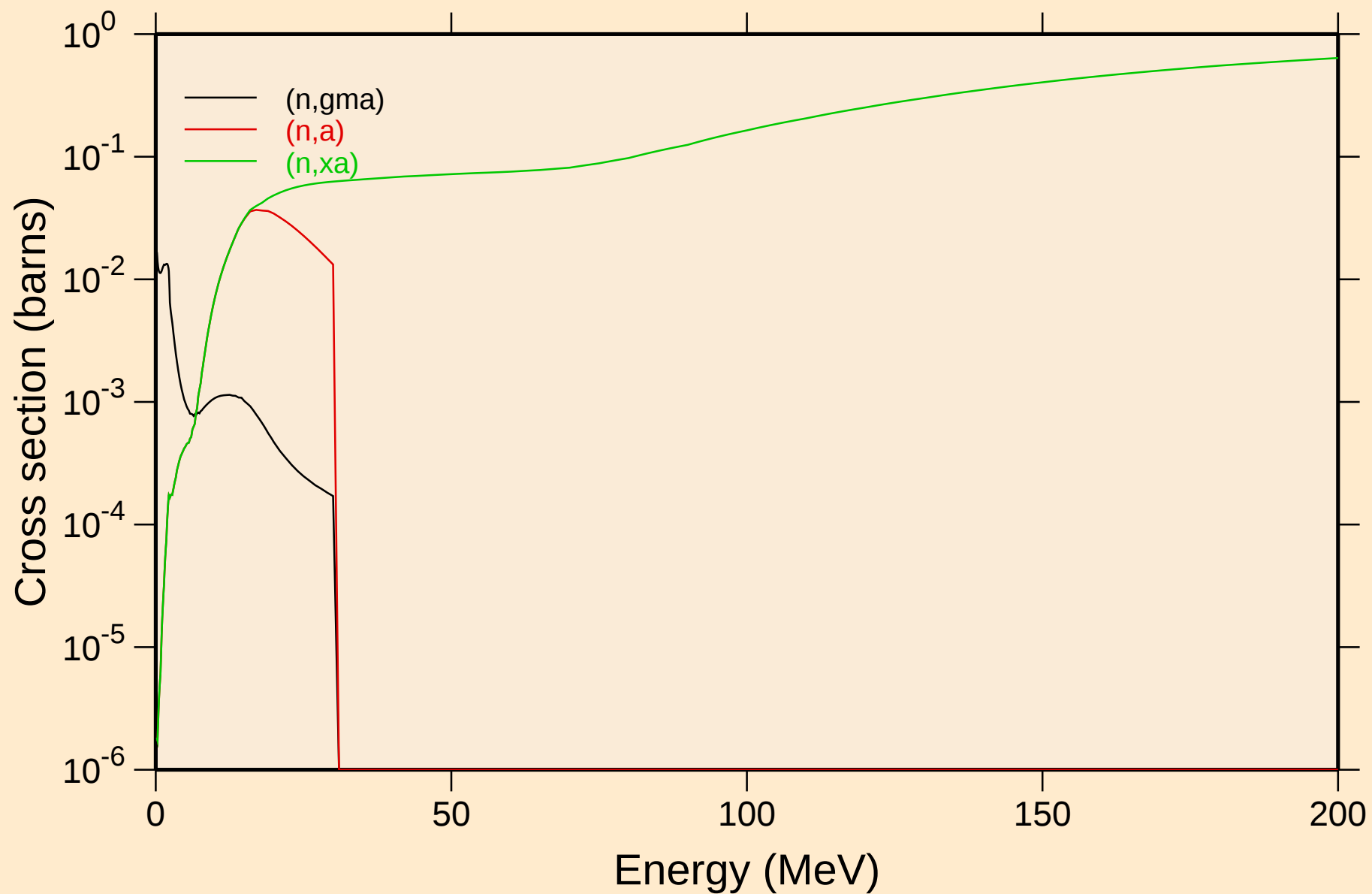
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Heating



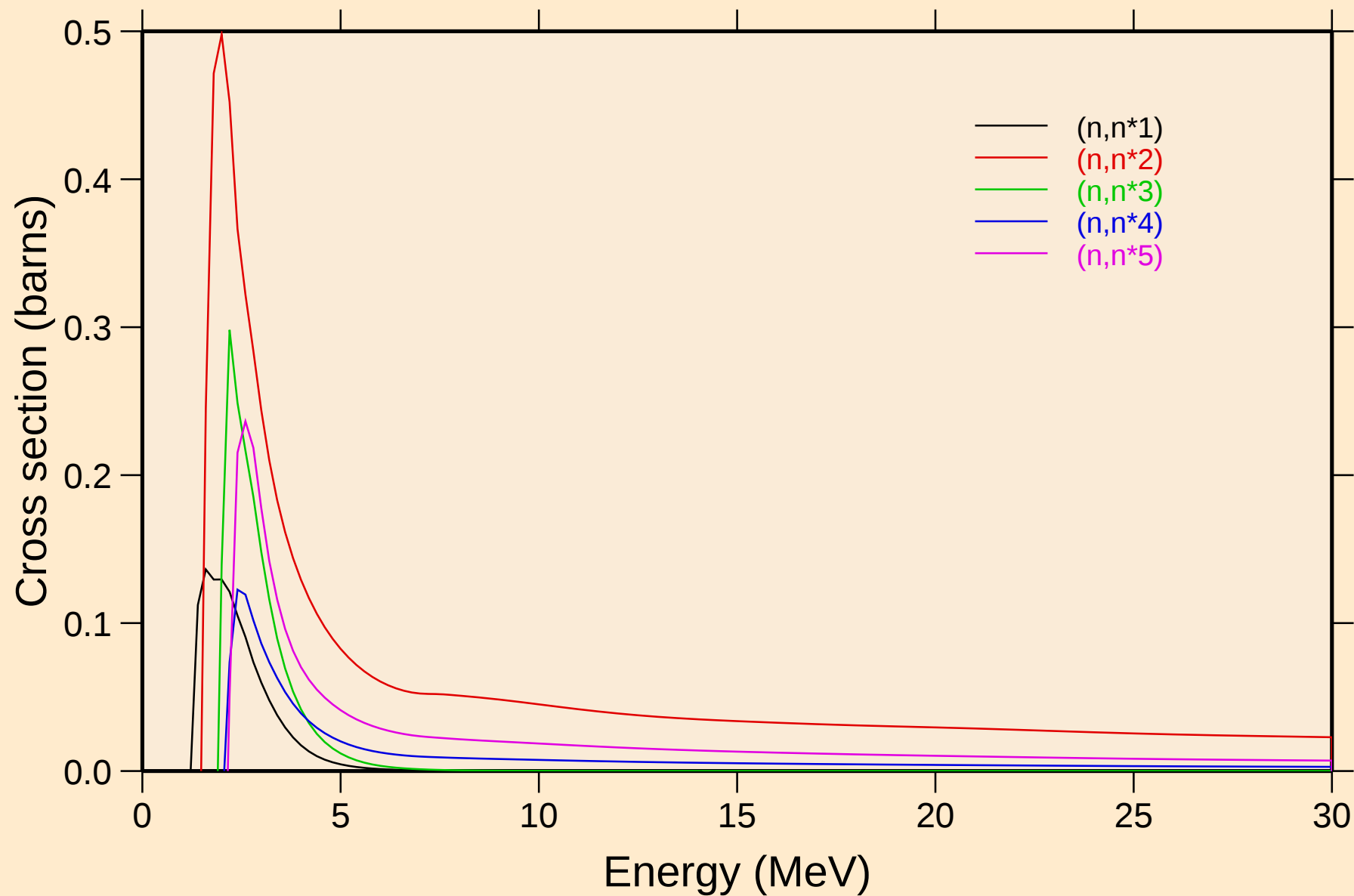
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



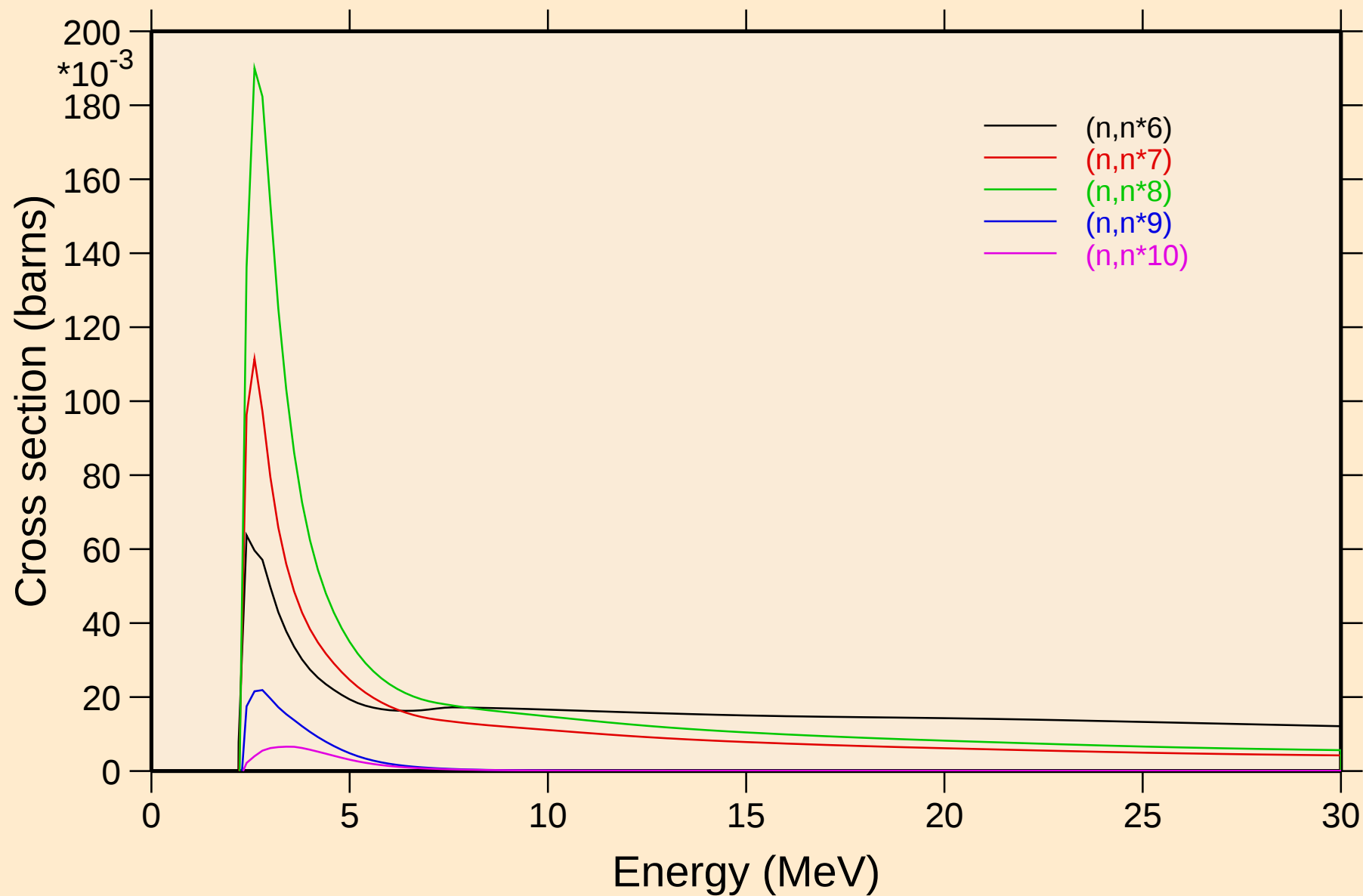
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

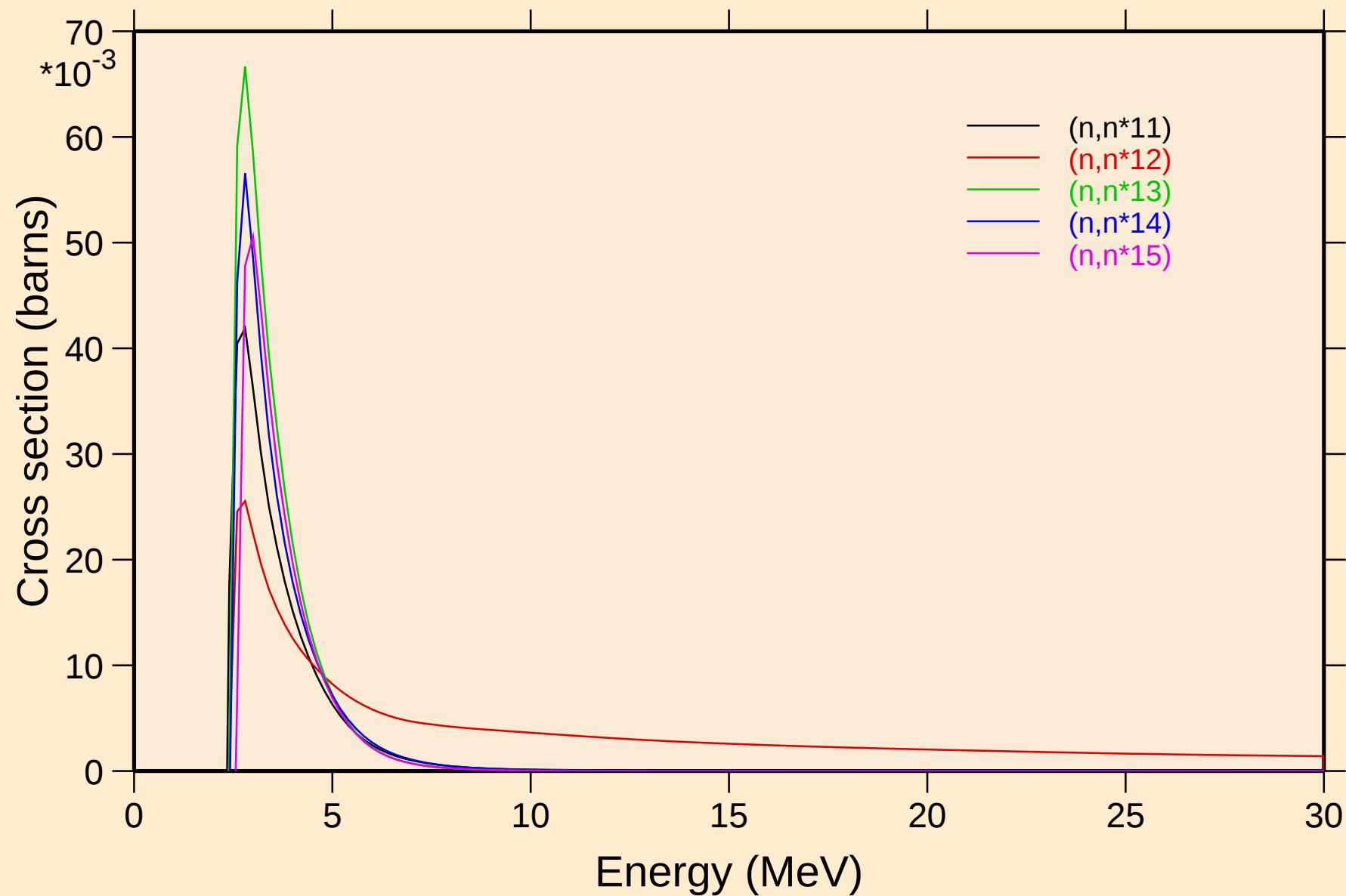


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



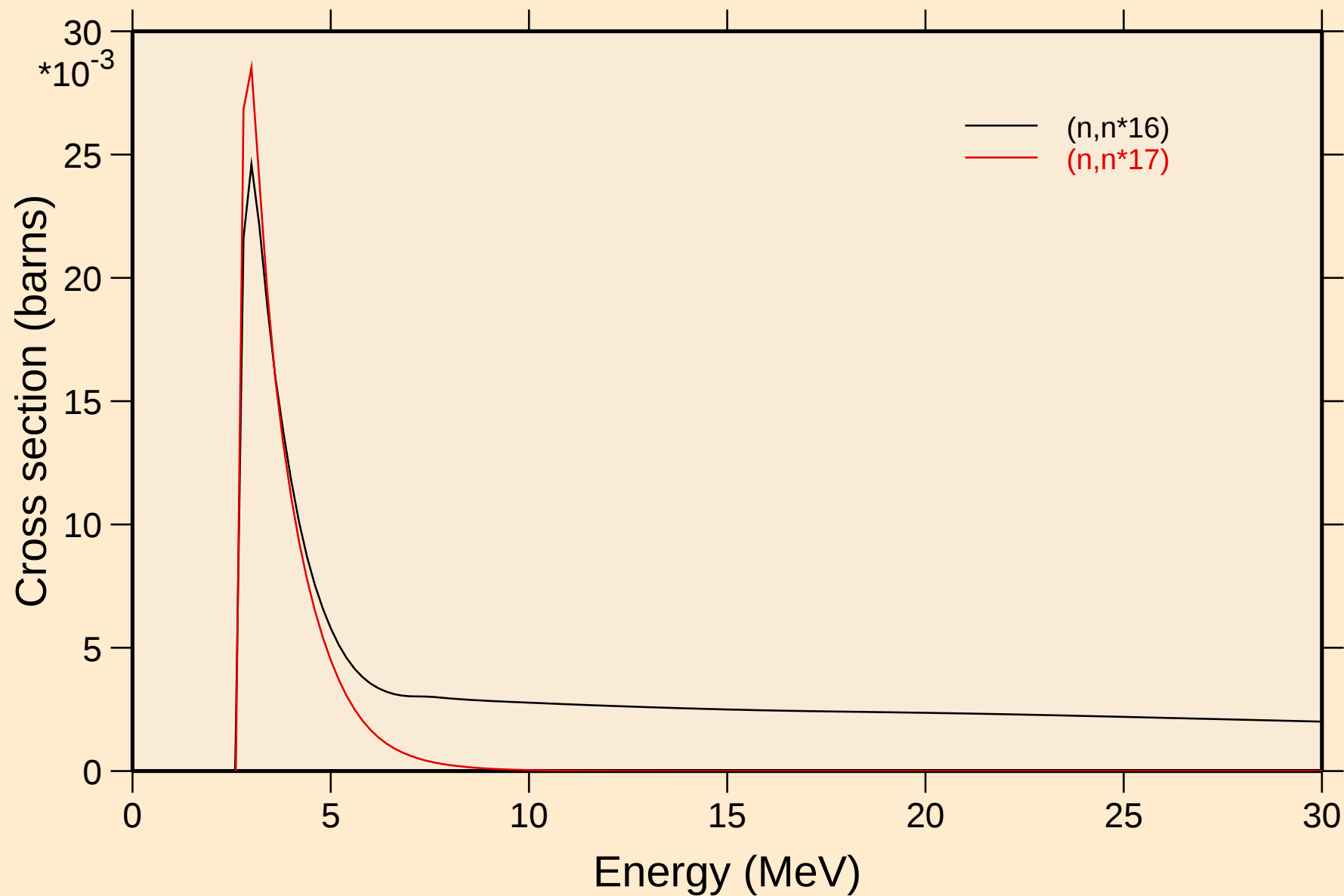
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



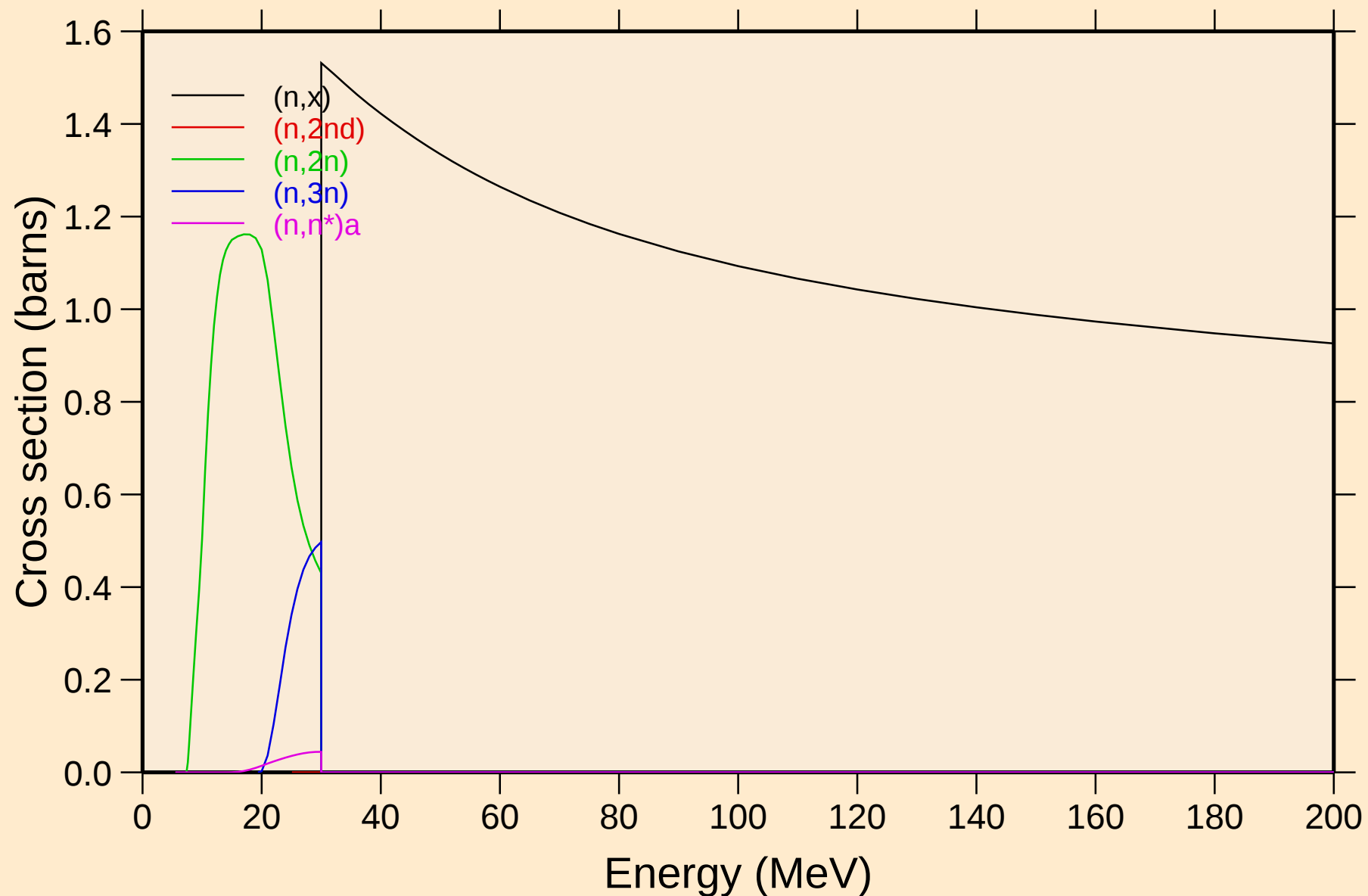
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

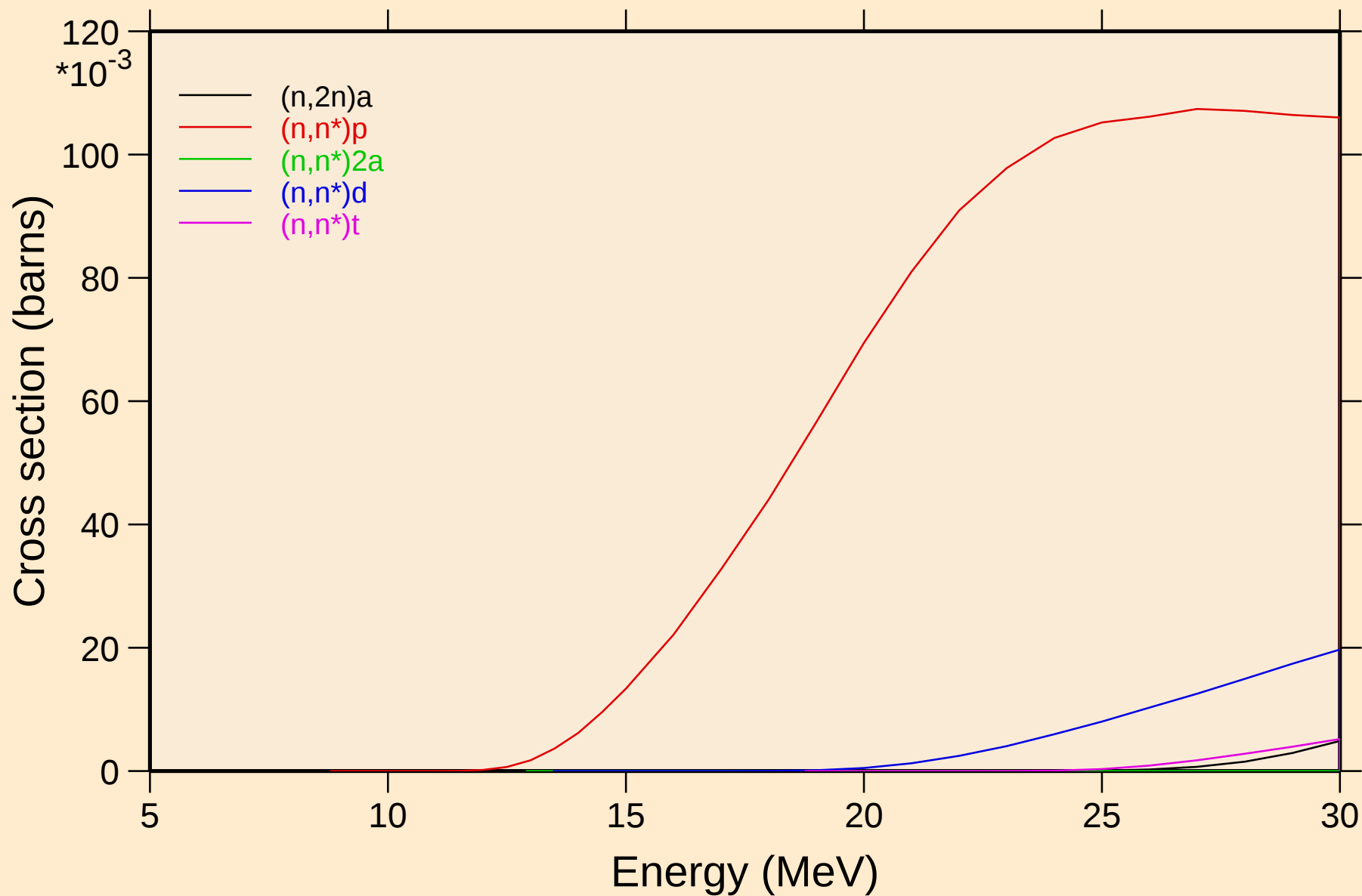


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

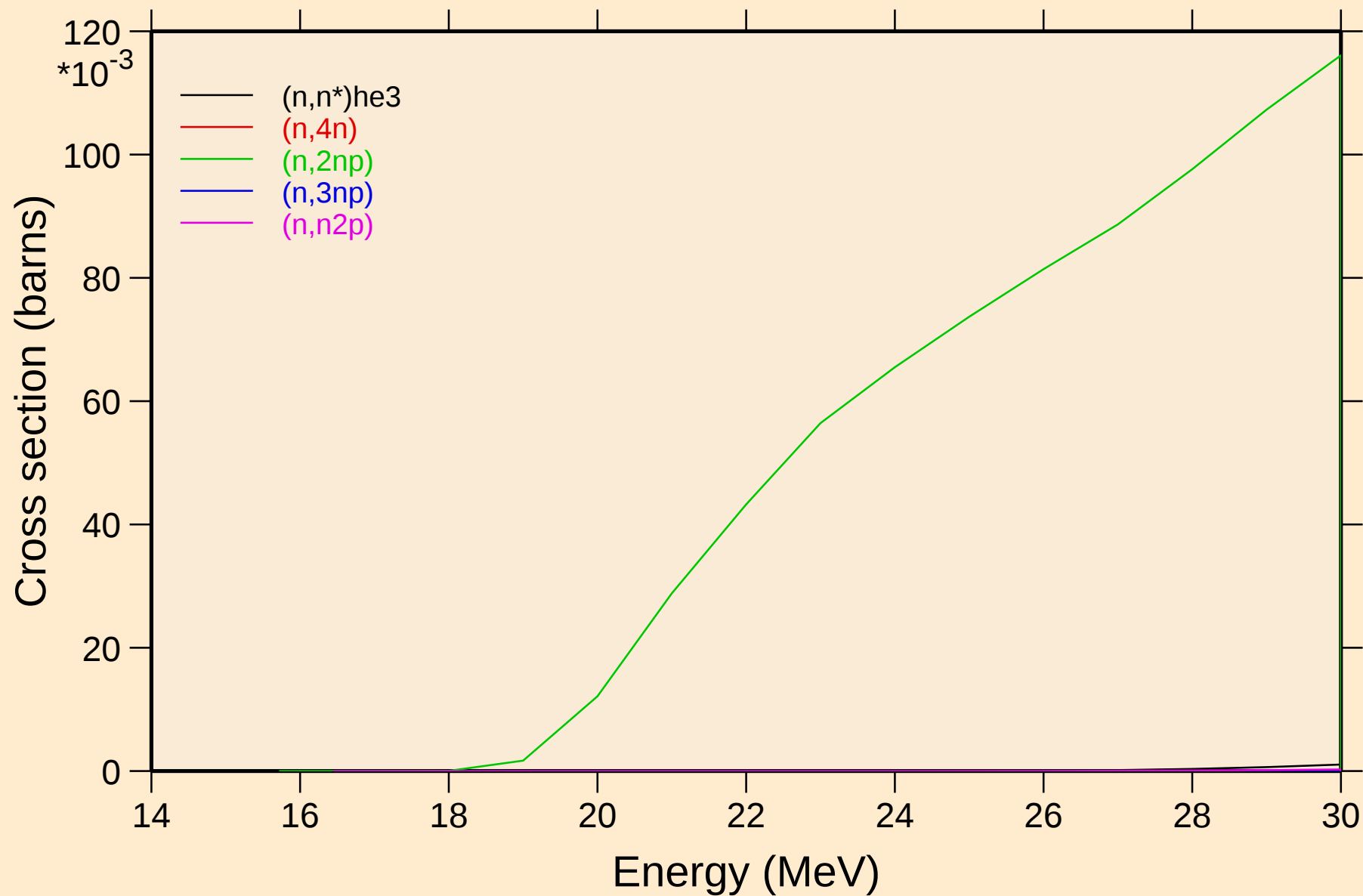
Threshold reactions



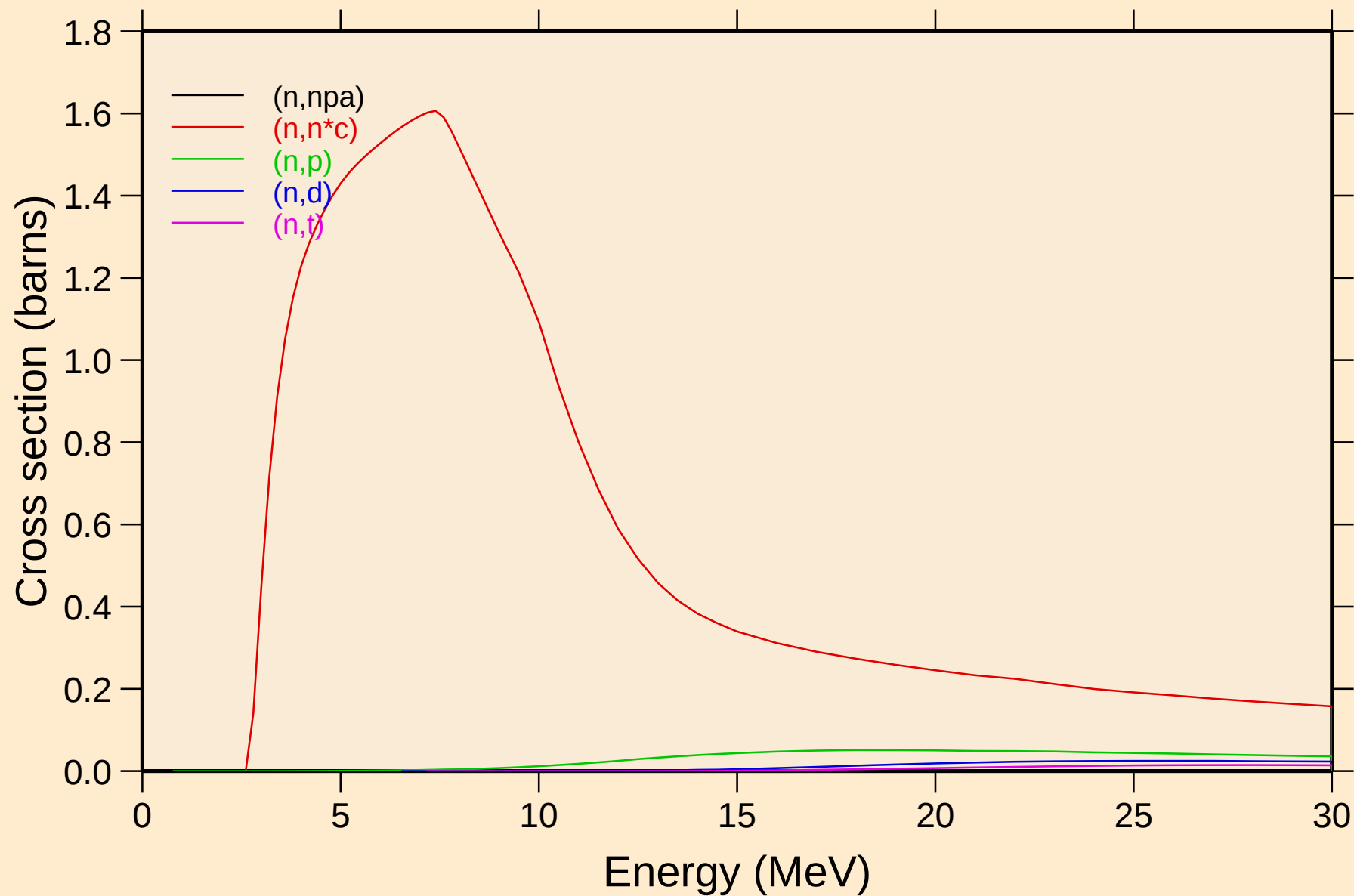
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



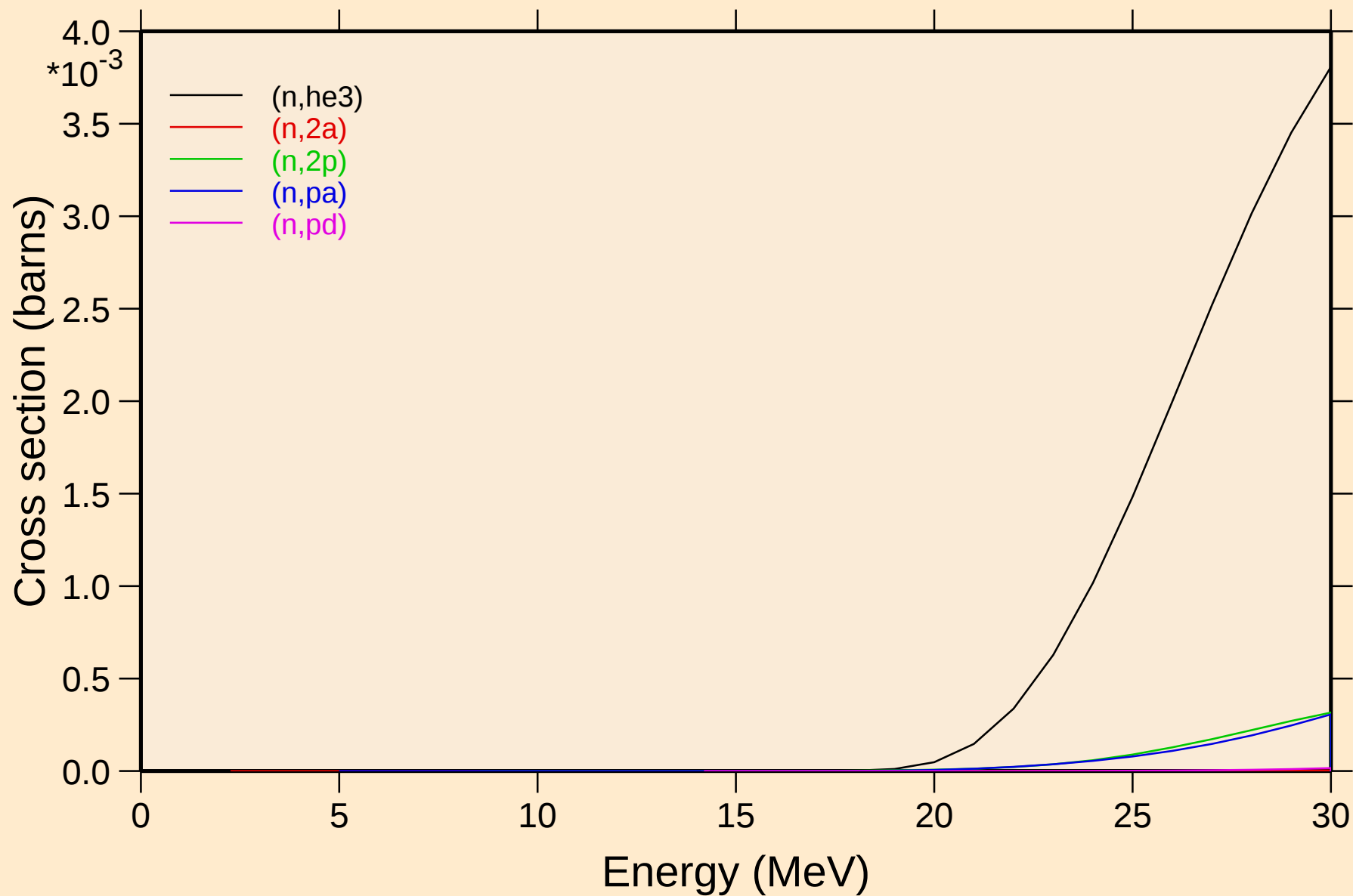
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



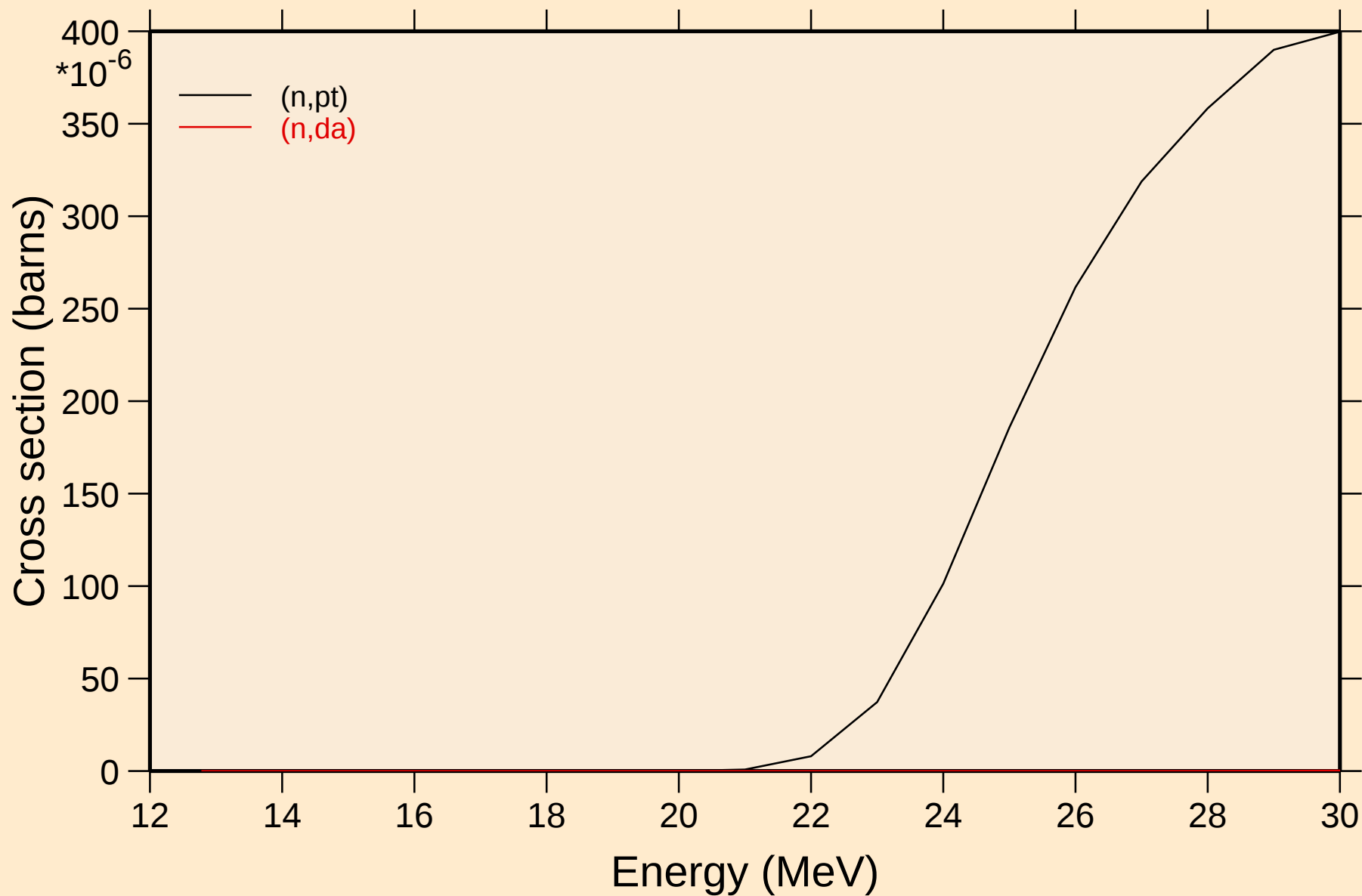
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



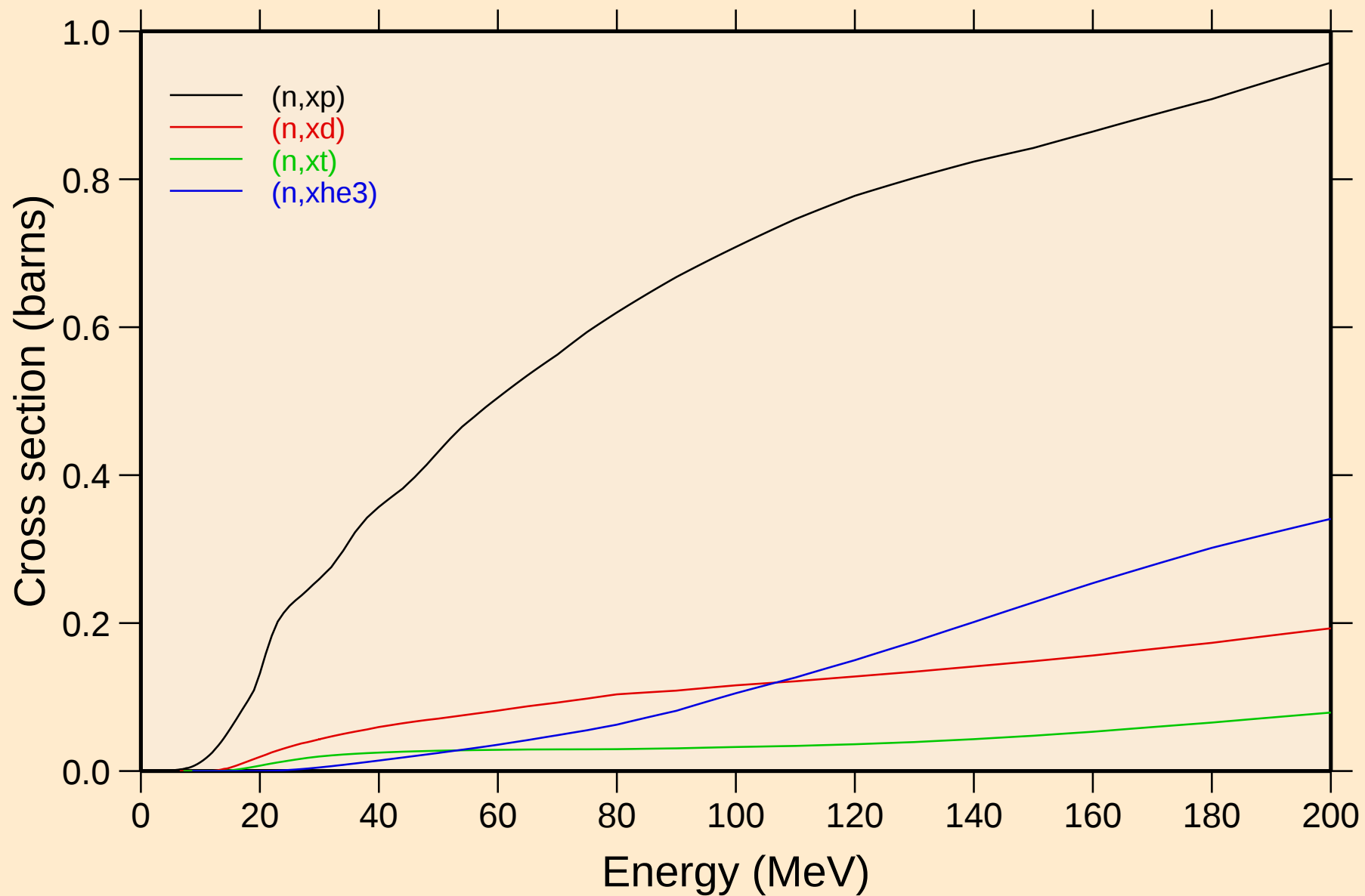
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



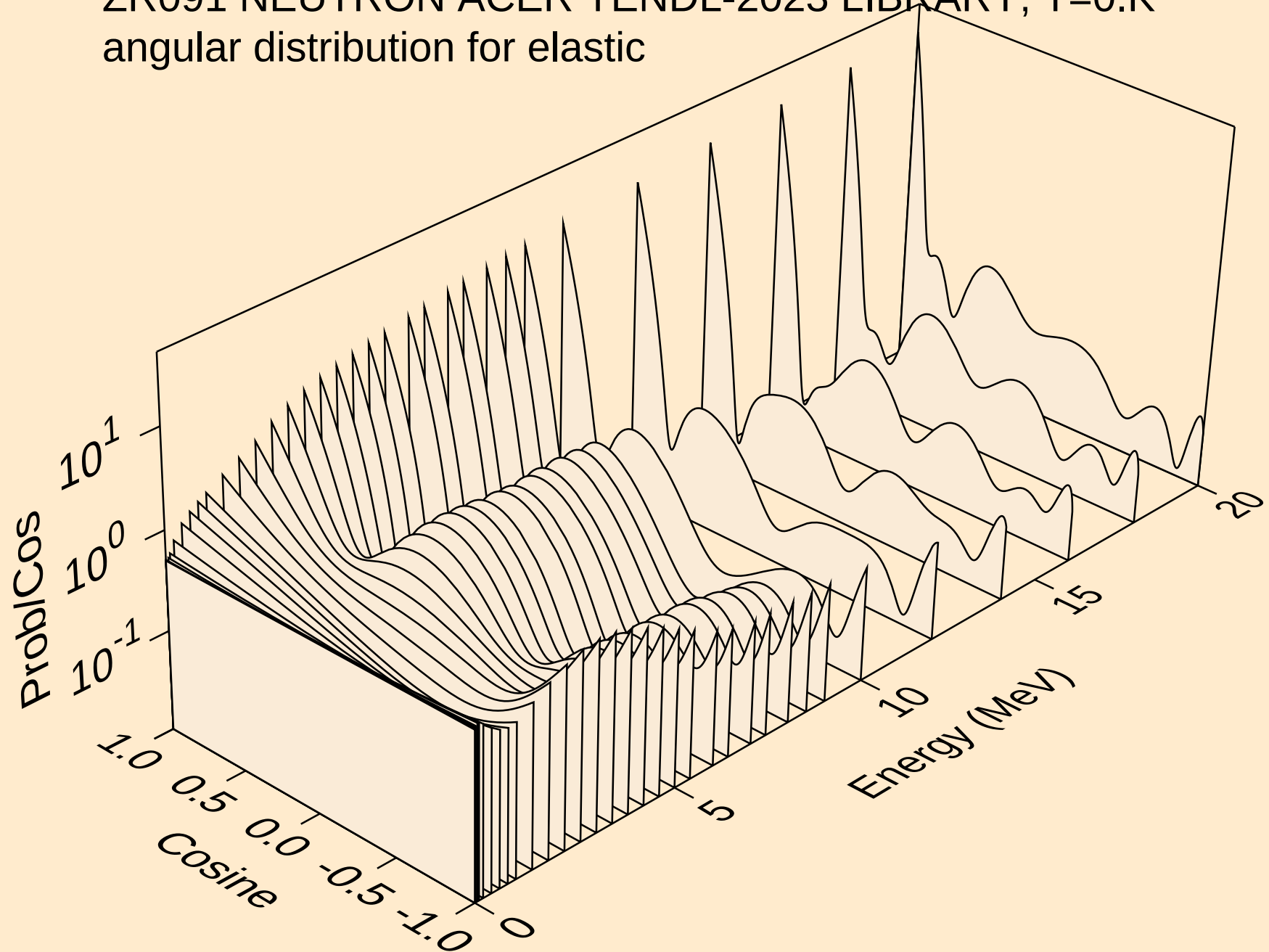
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



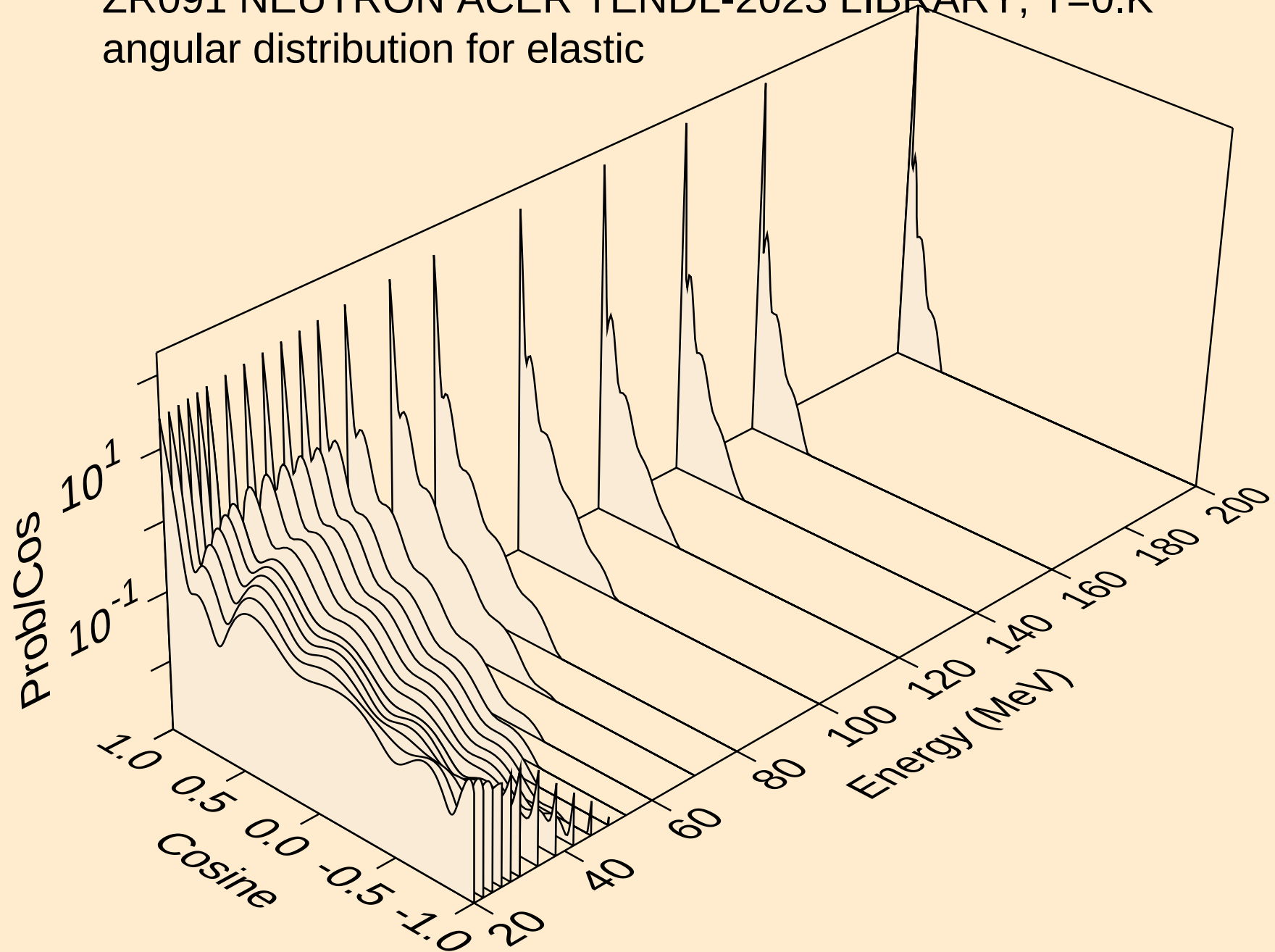
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



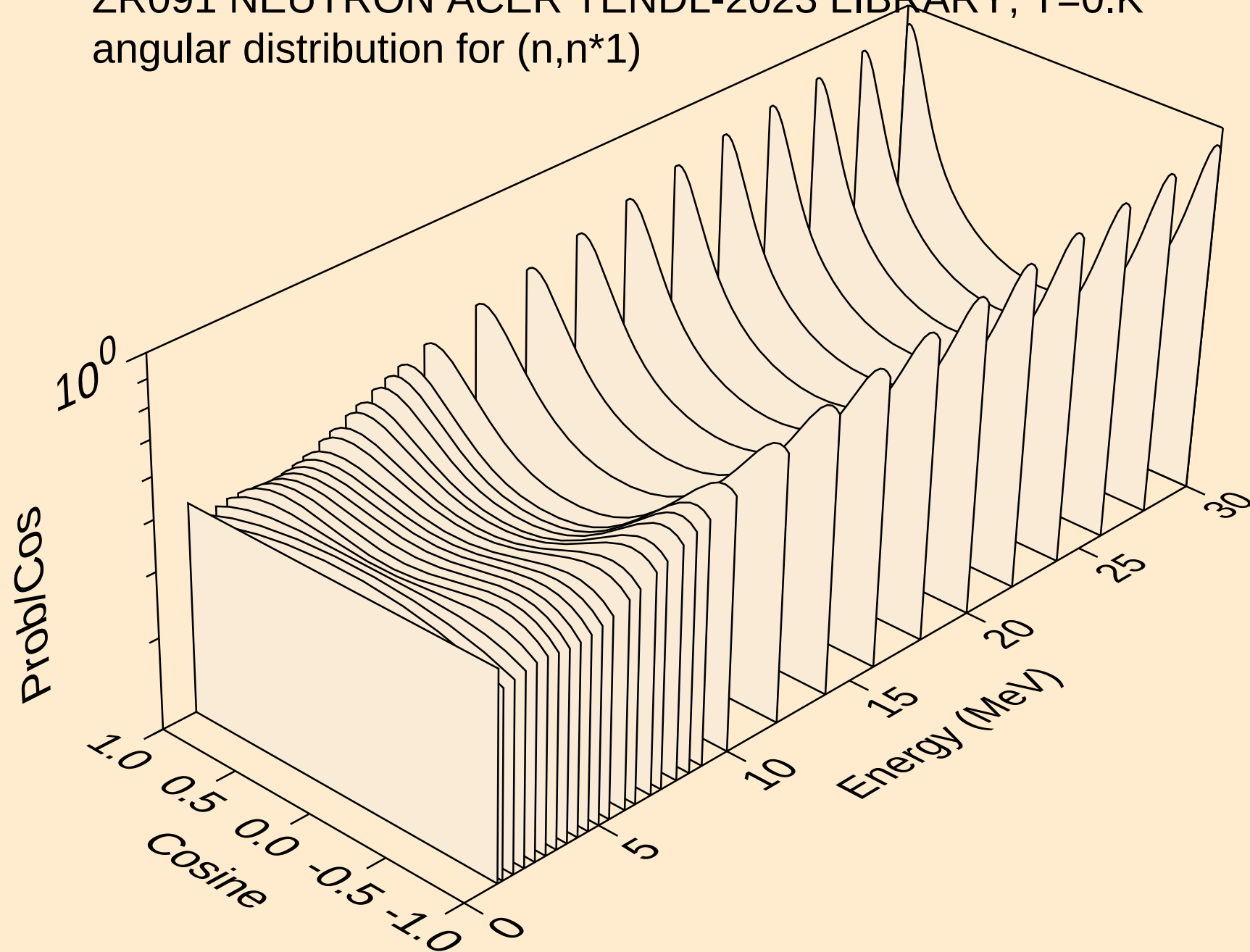
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



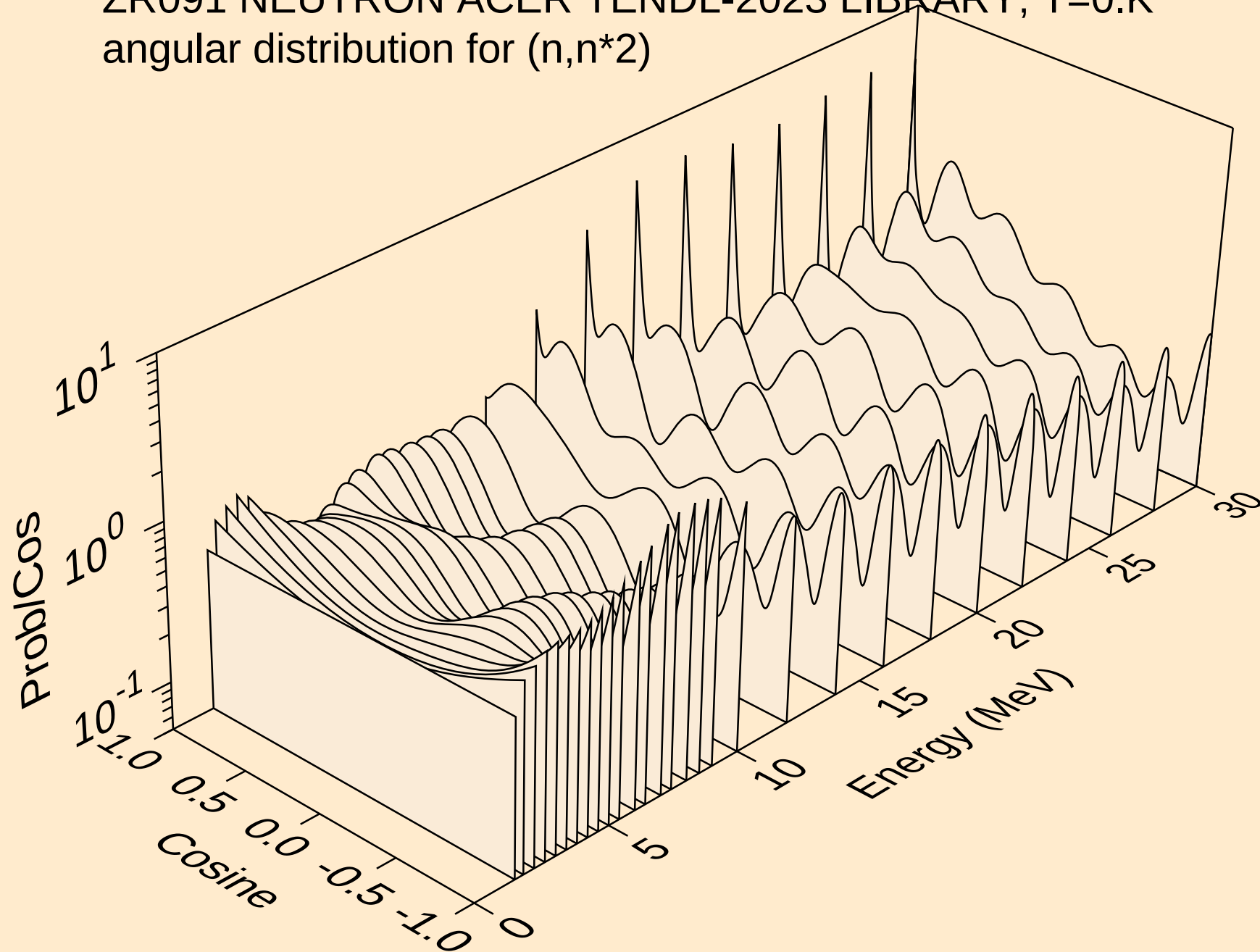
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



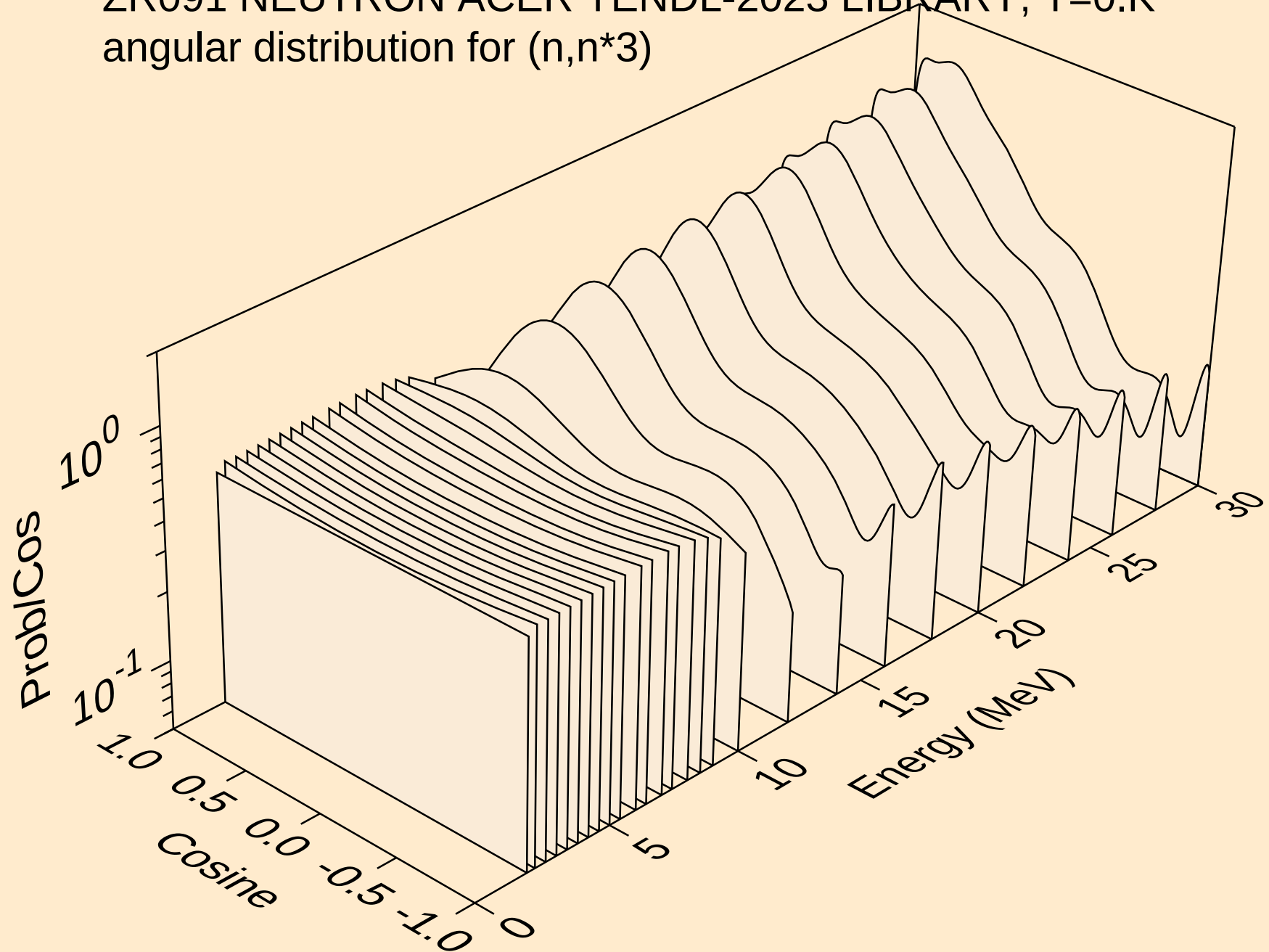
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



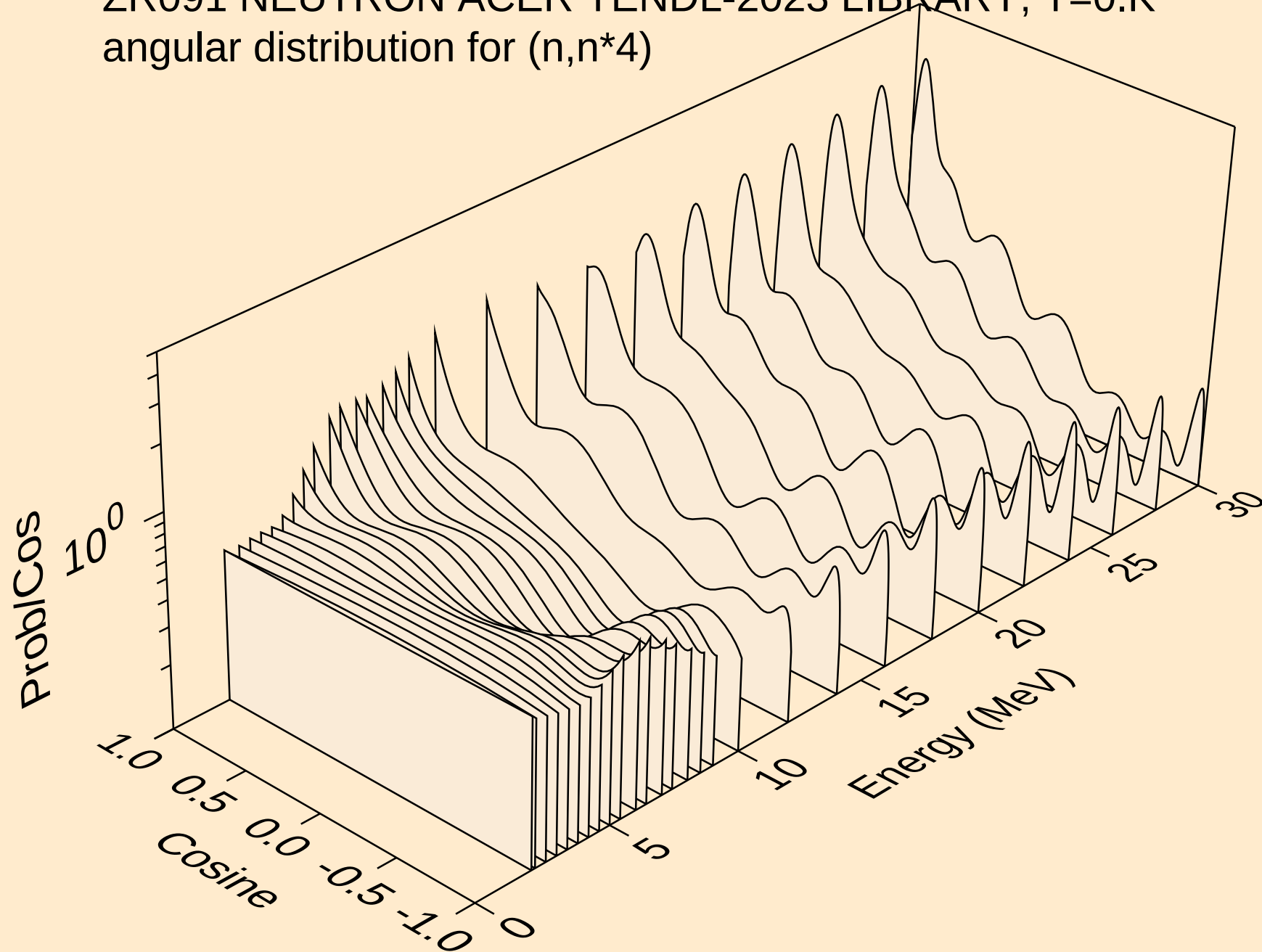
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



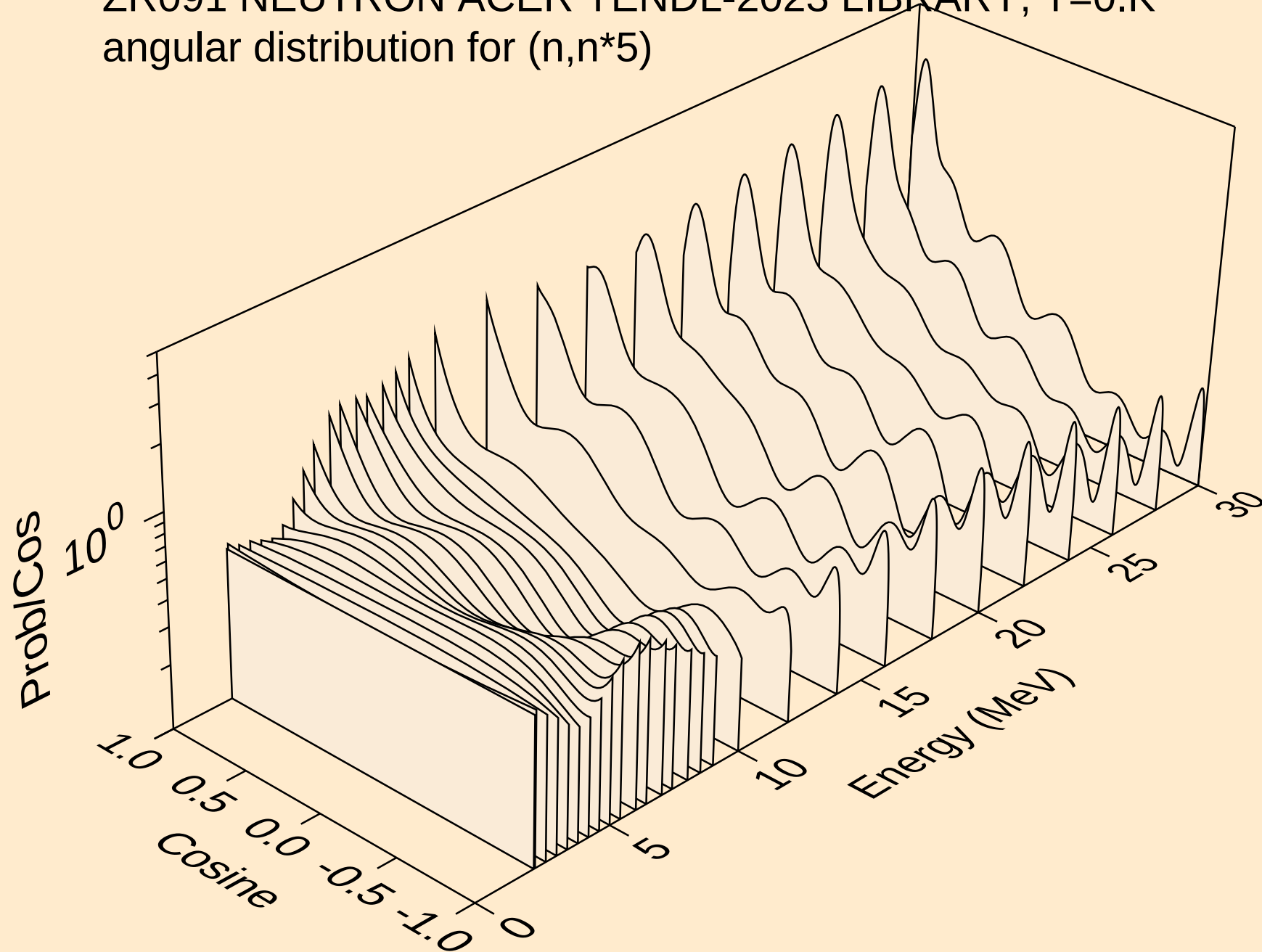
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



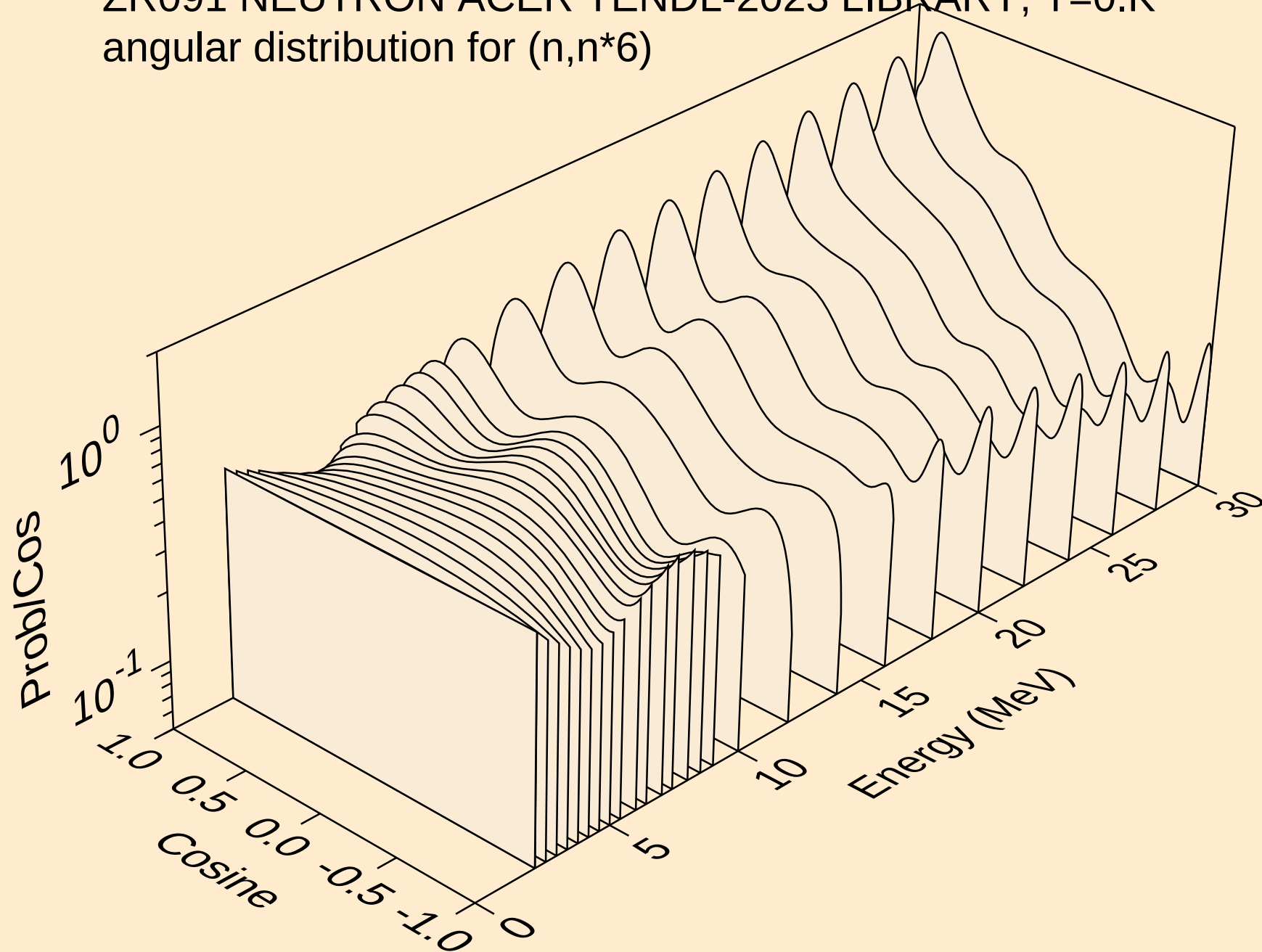
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



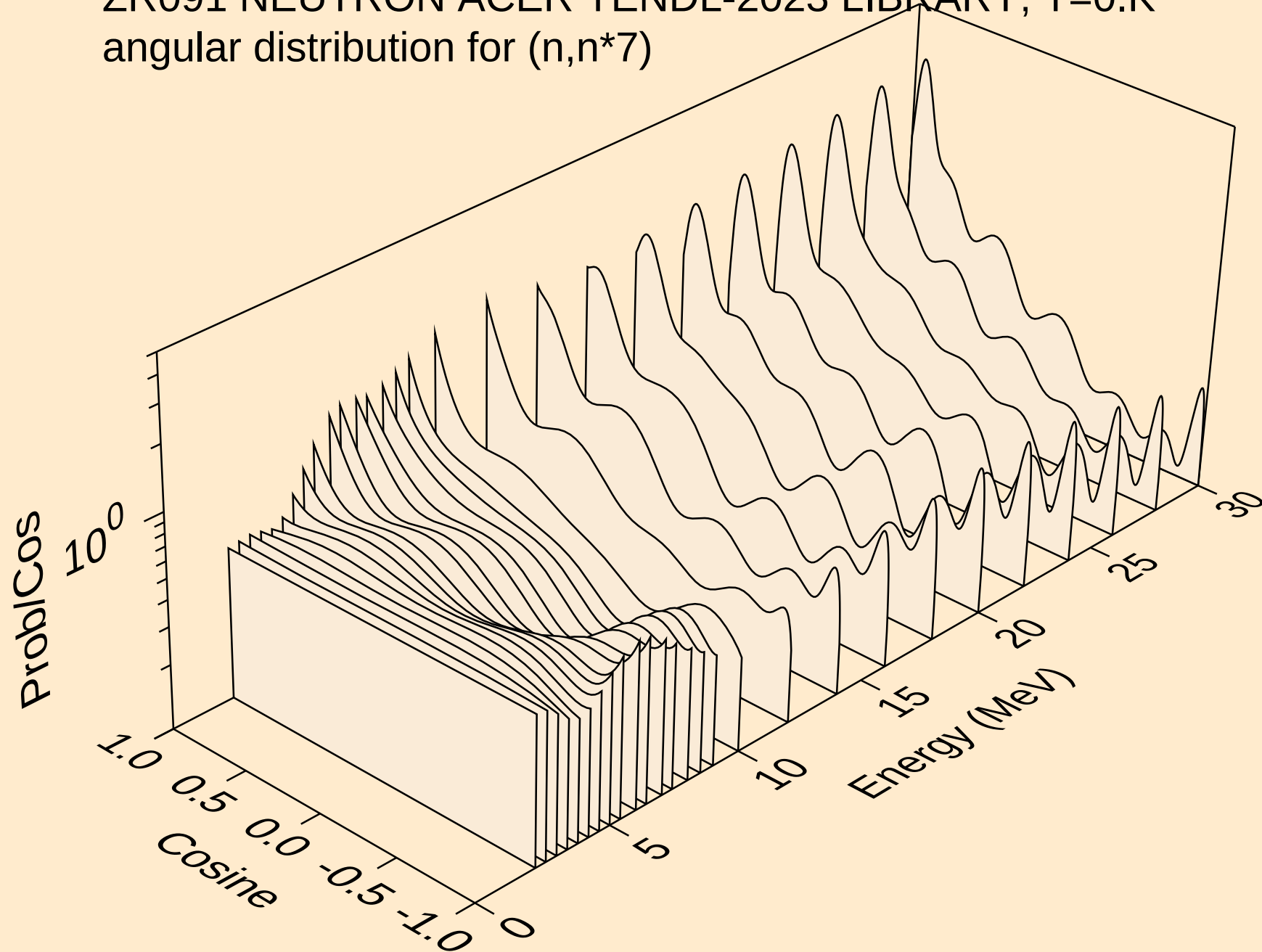
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



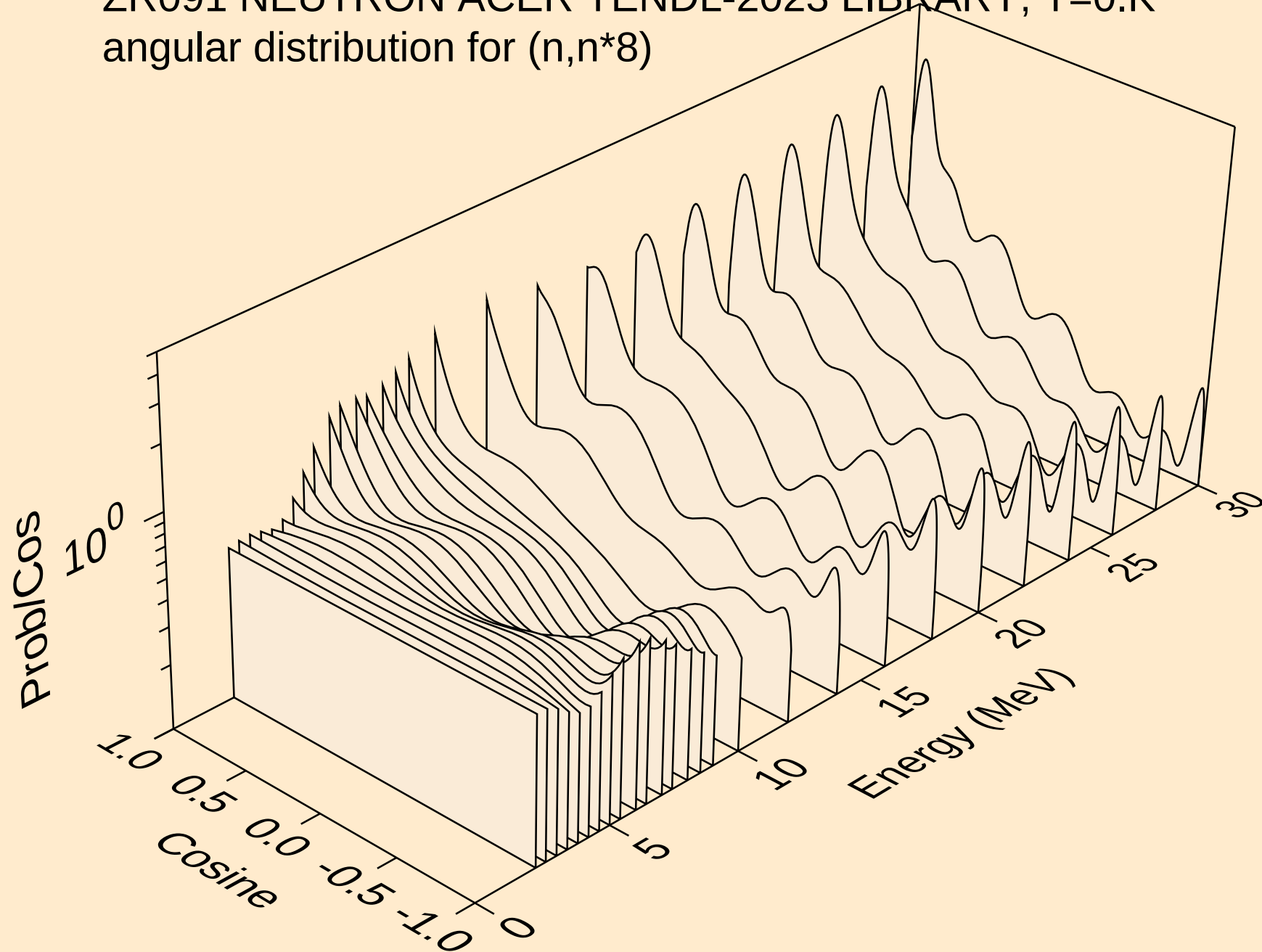
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



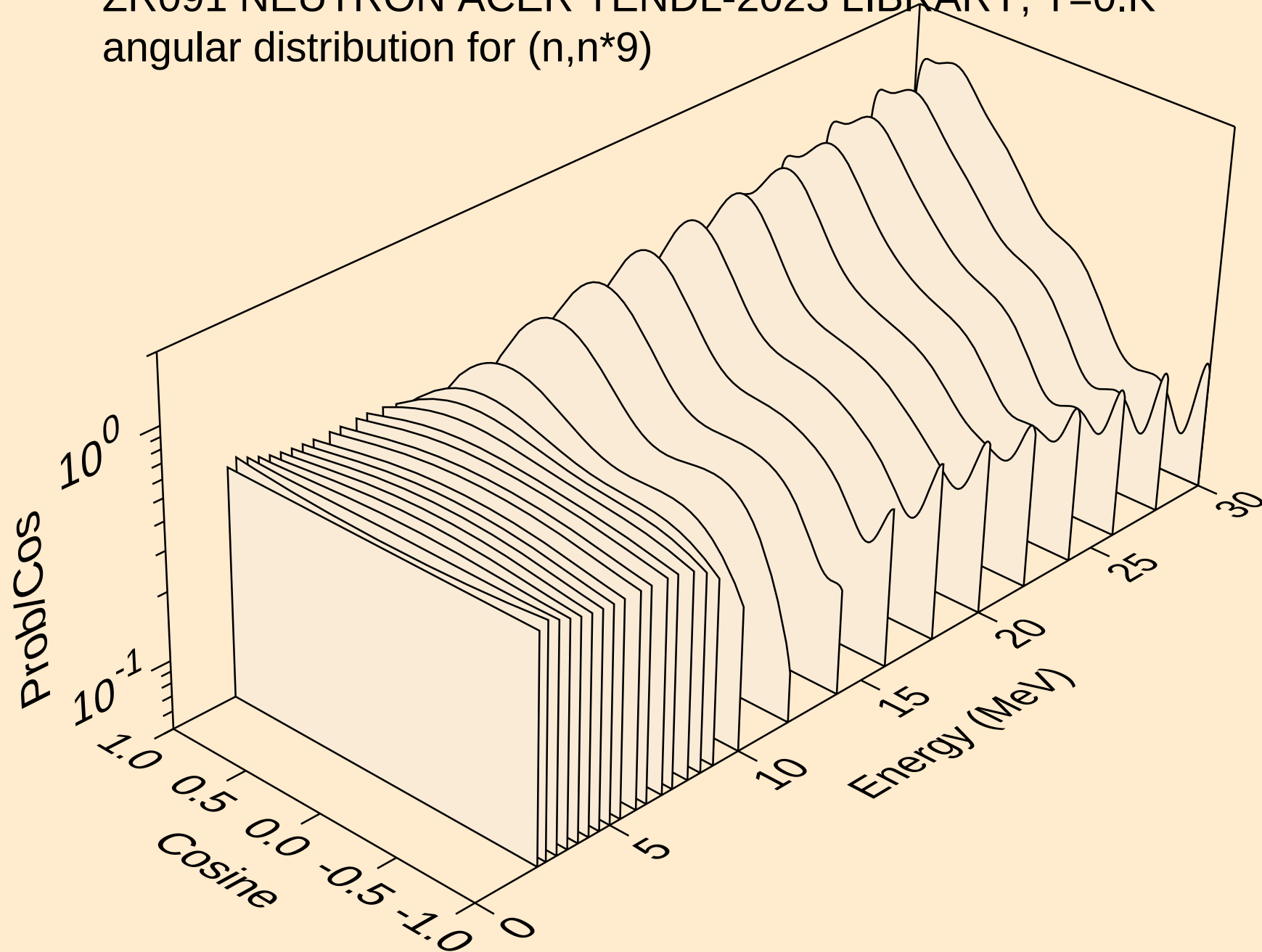
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



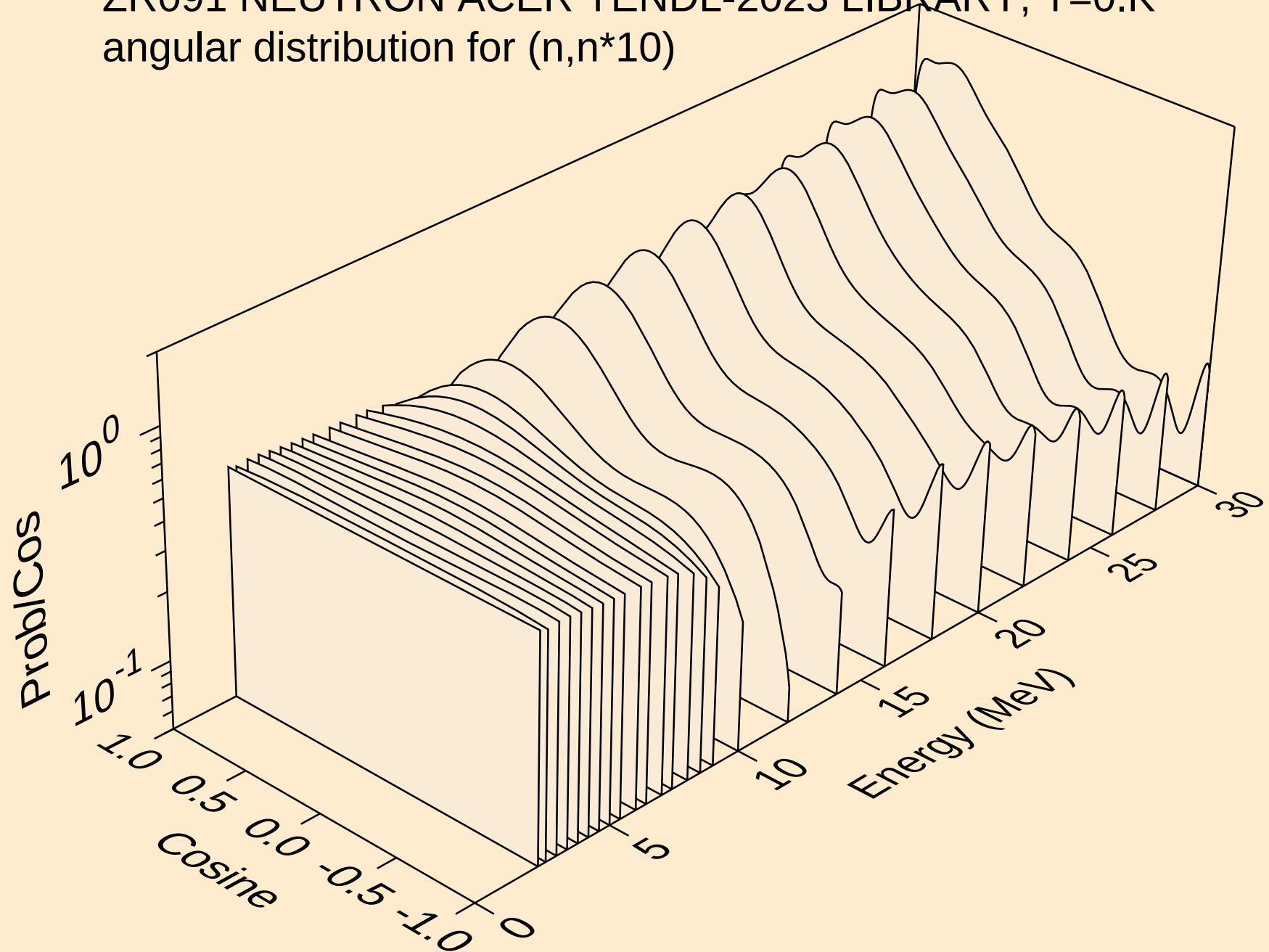
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



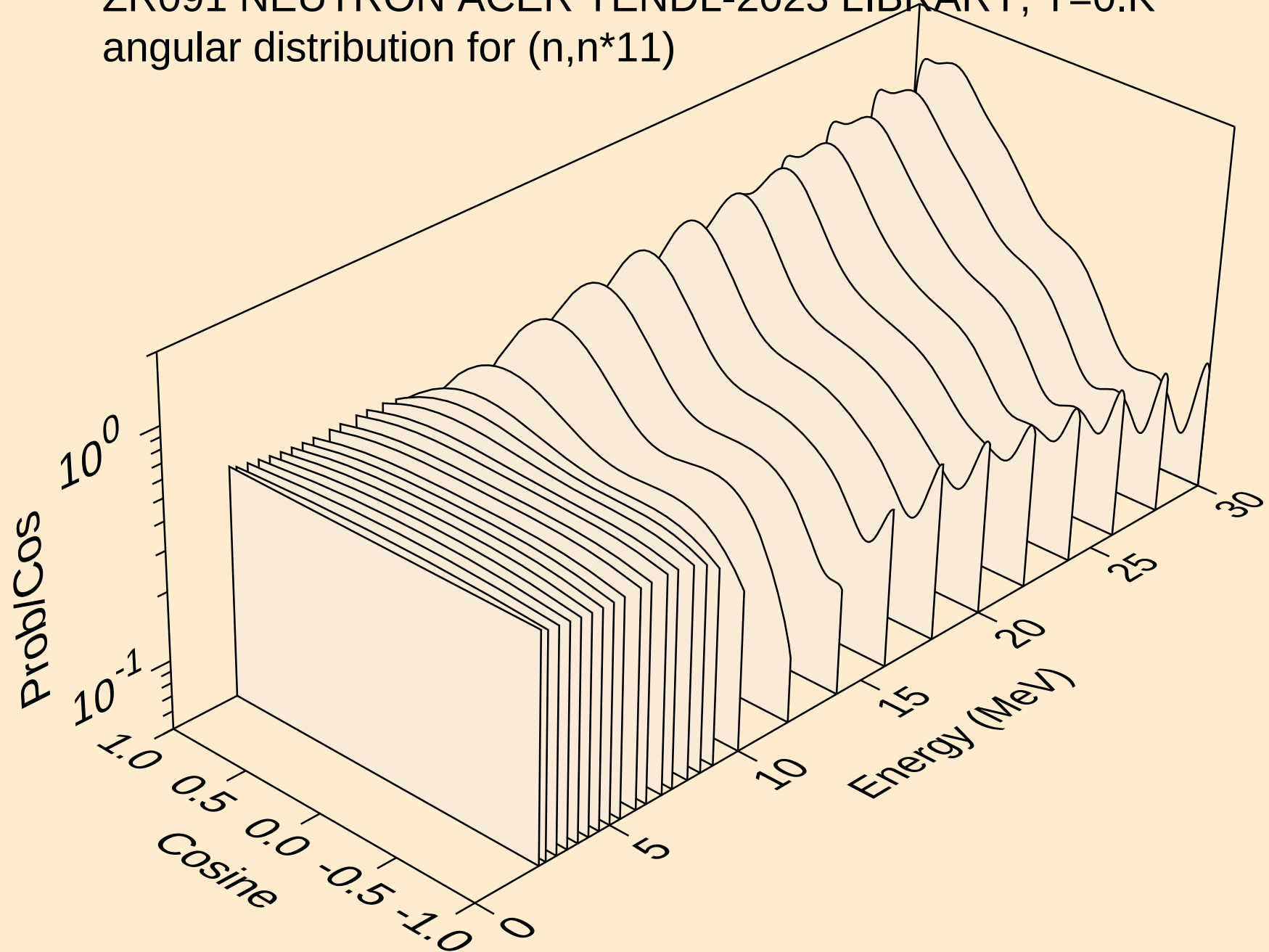
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



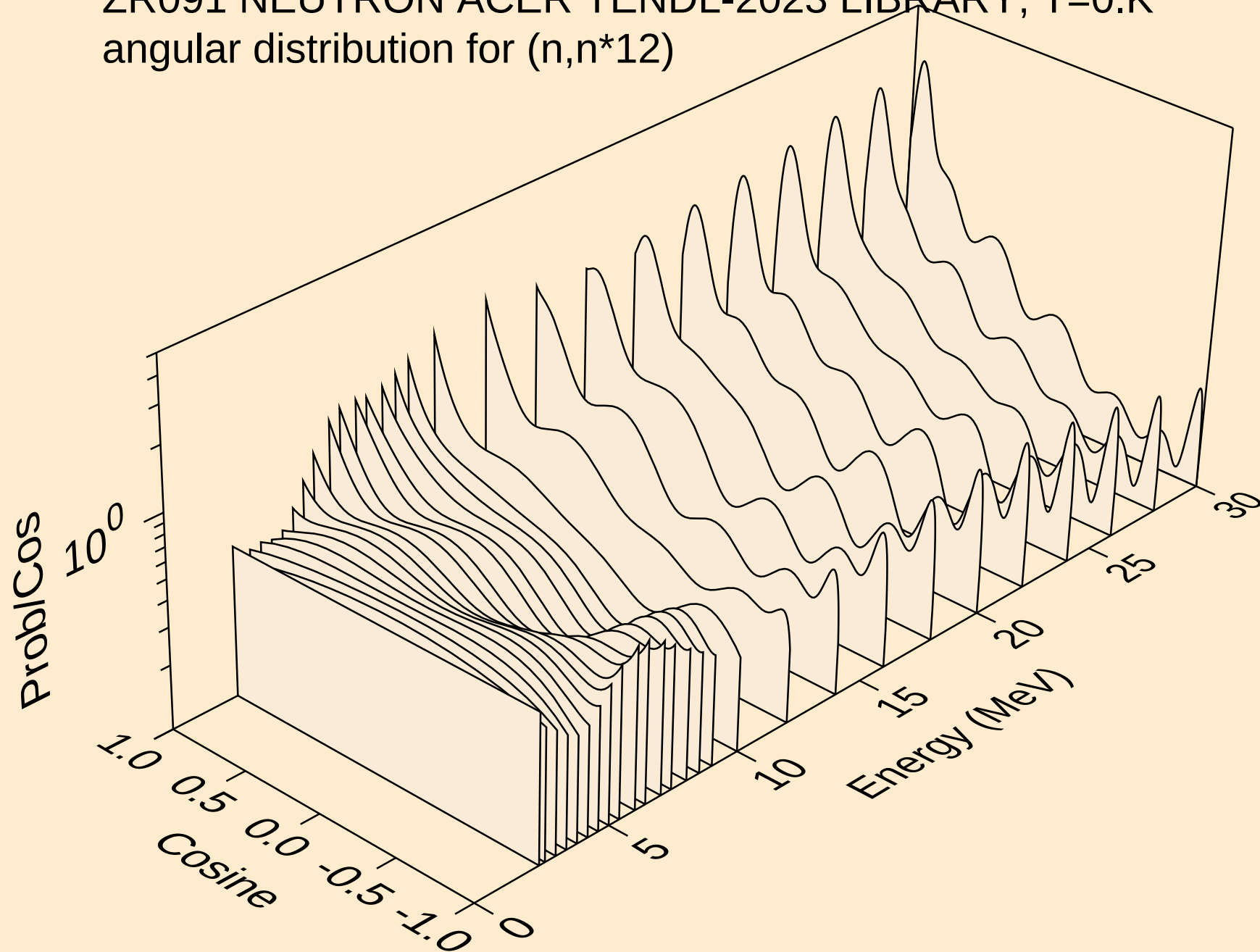
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



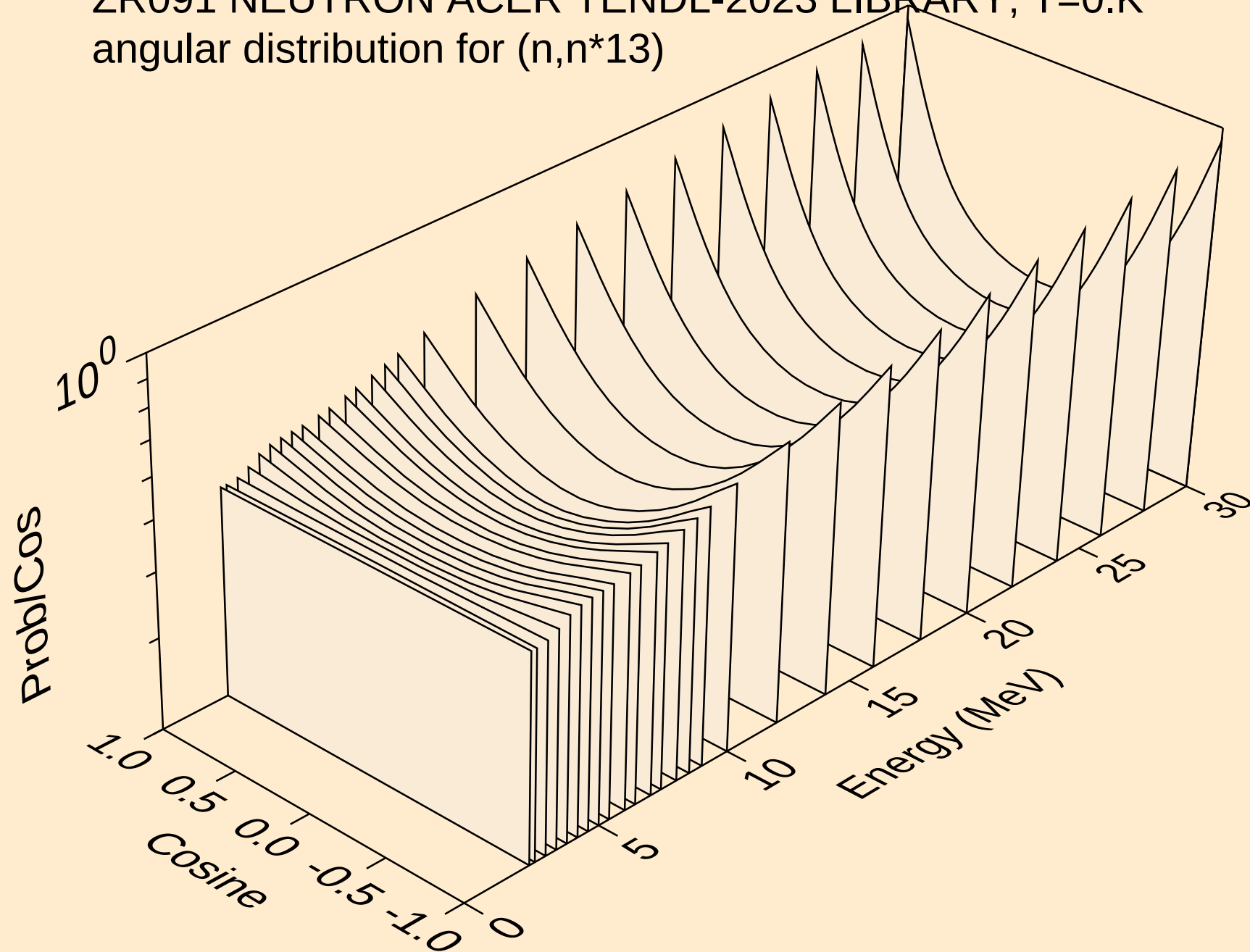
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*11)



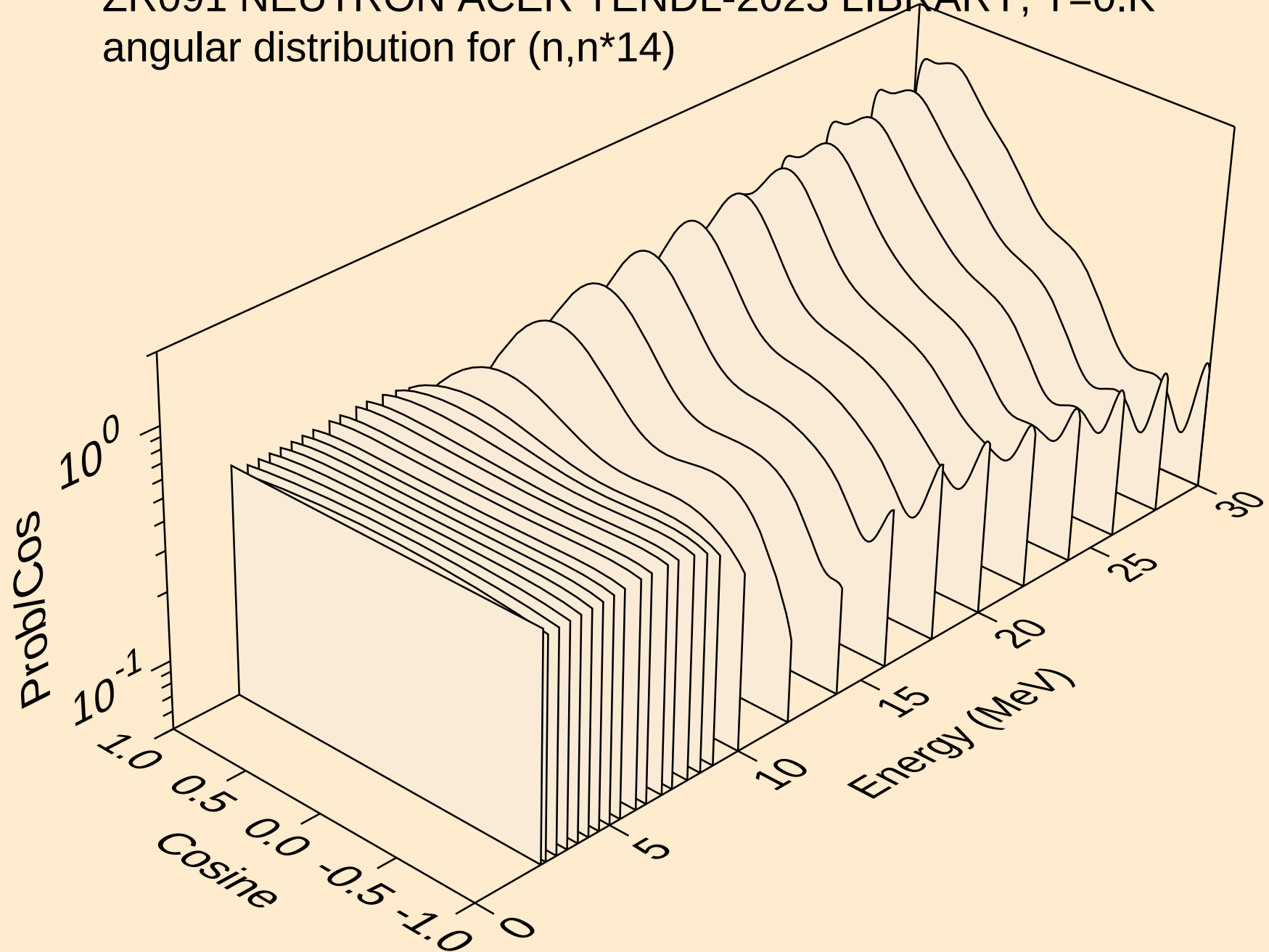
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



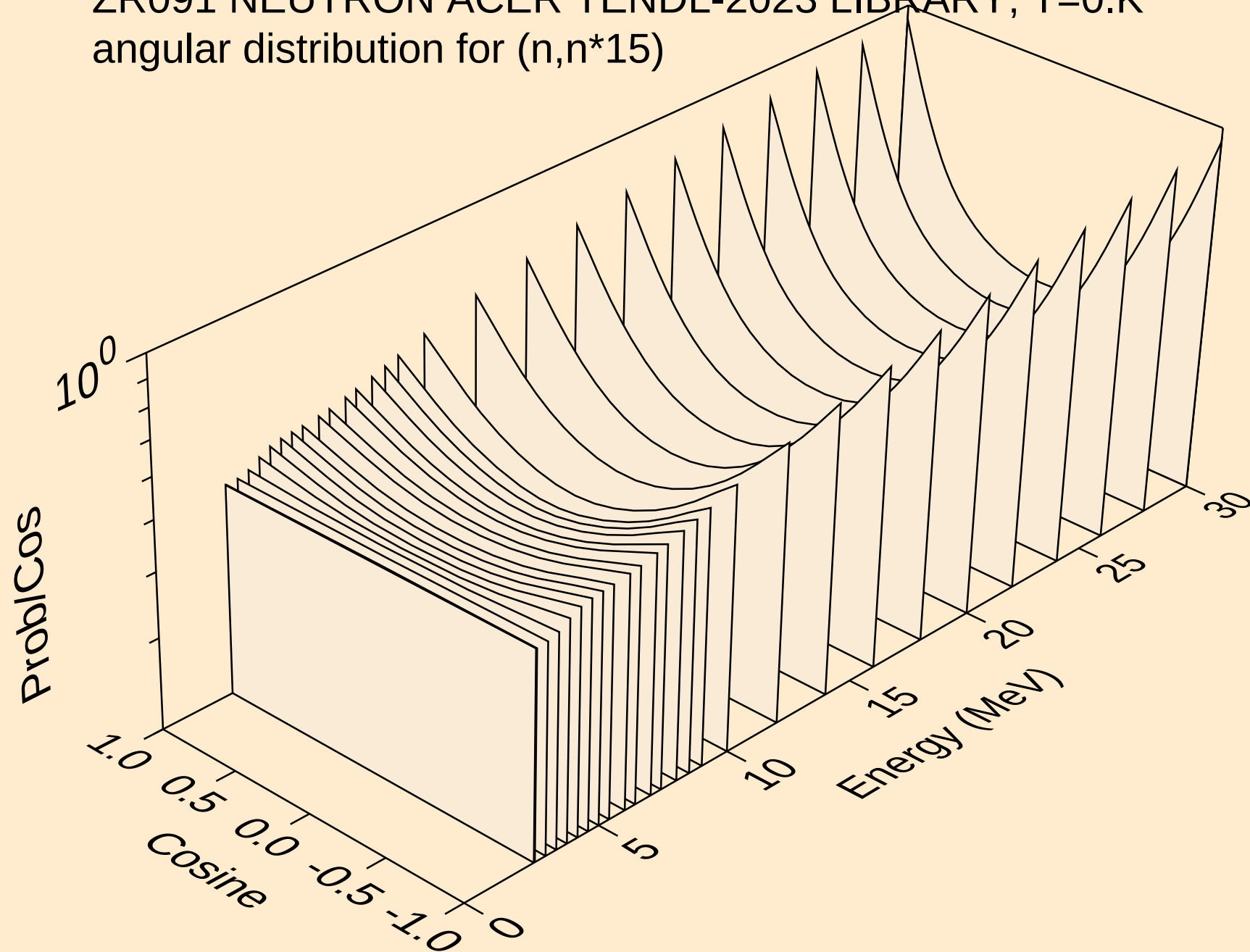
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



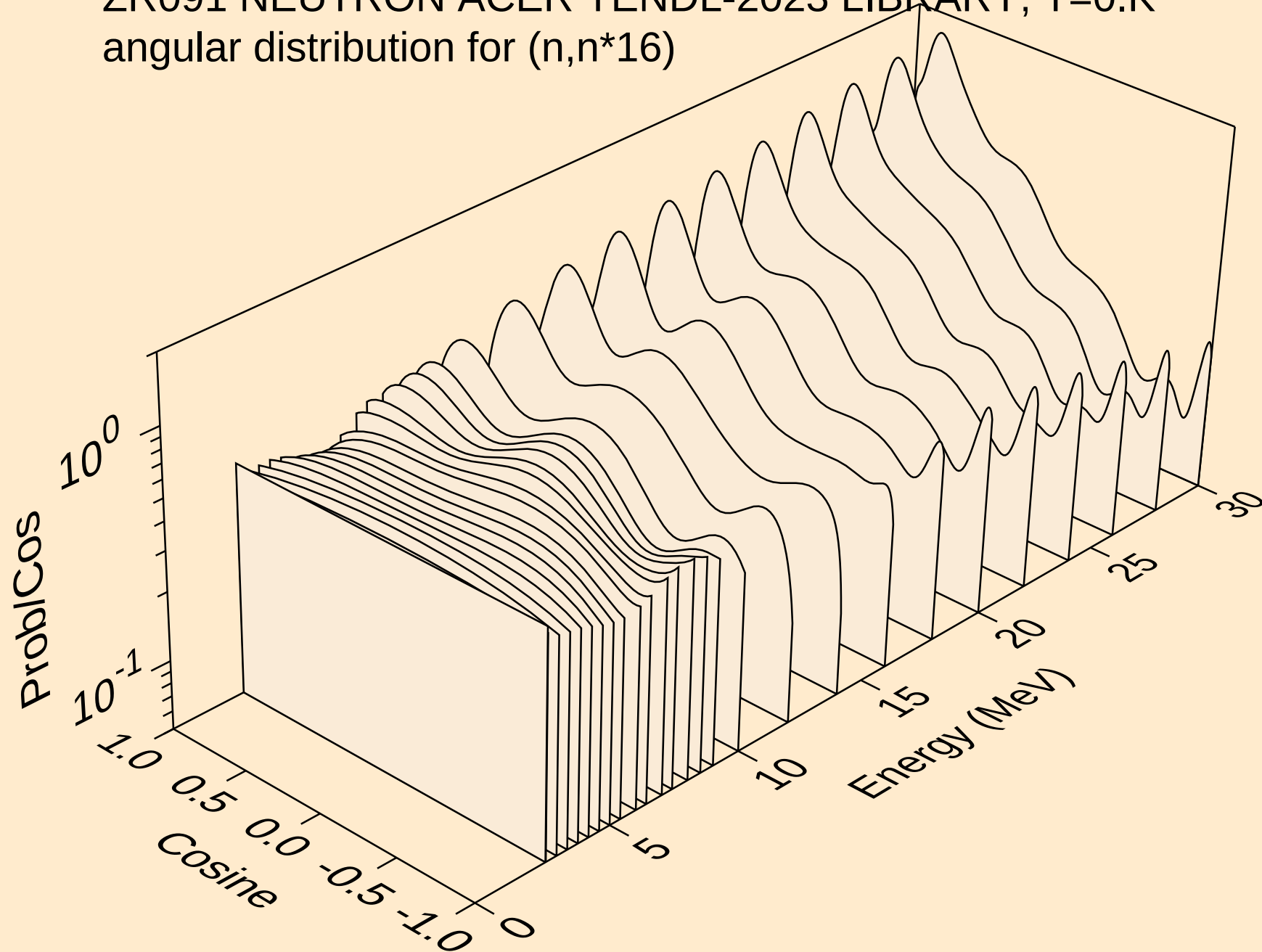
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



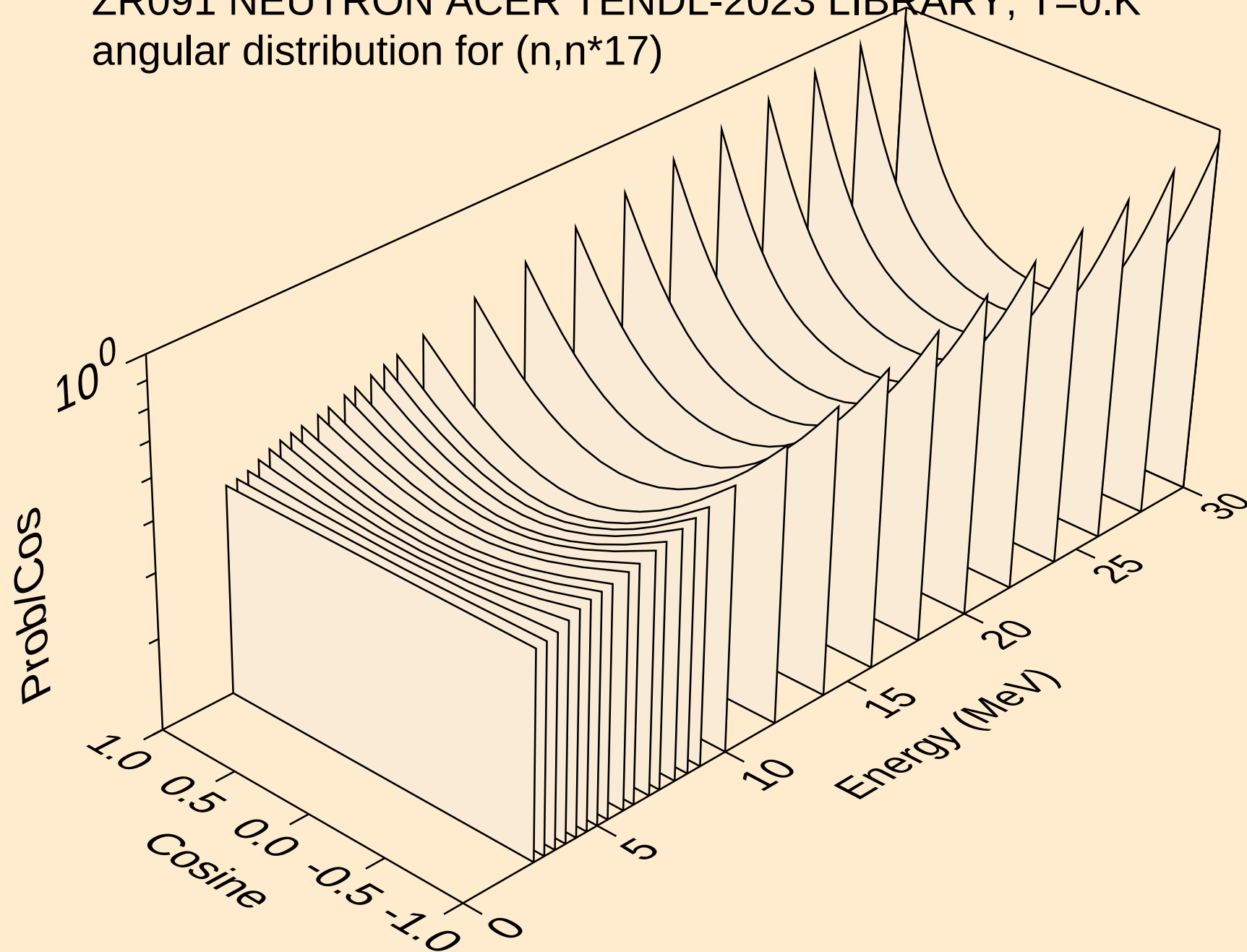
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



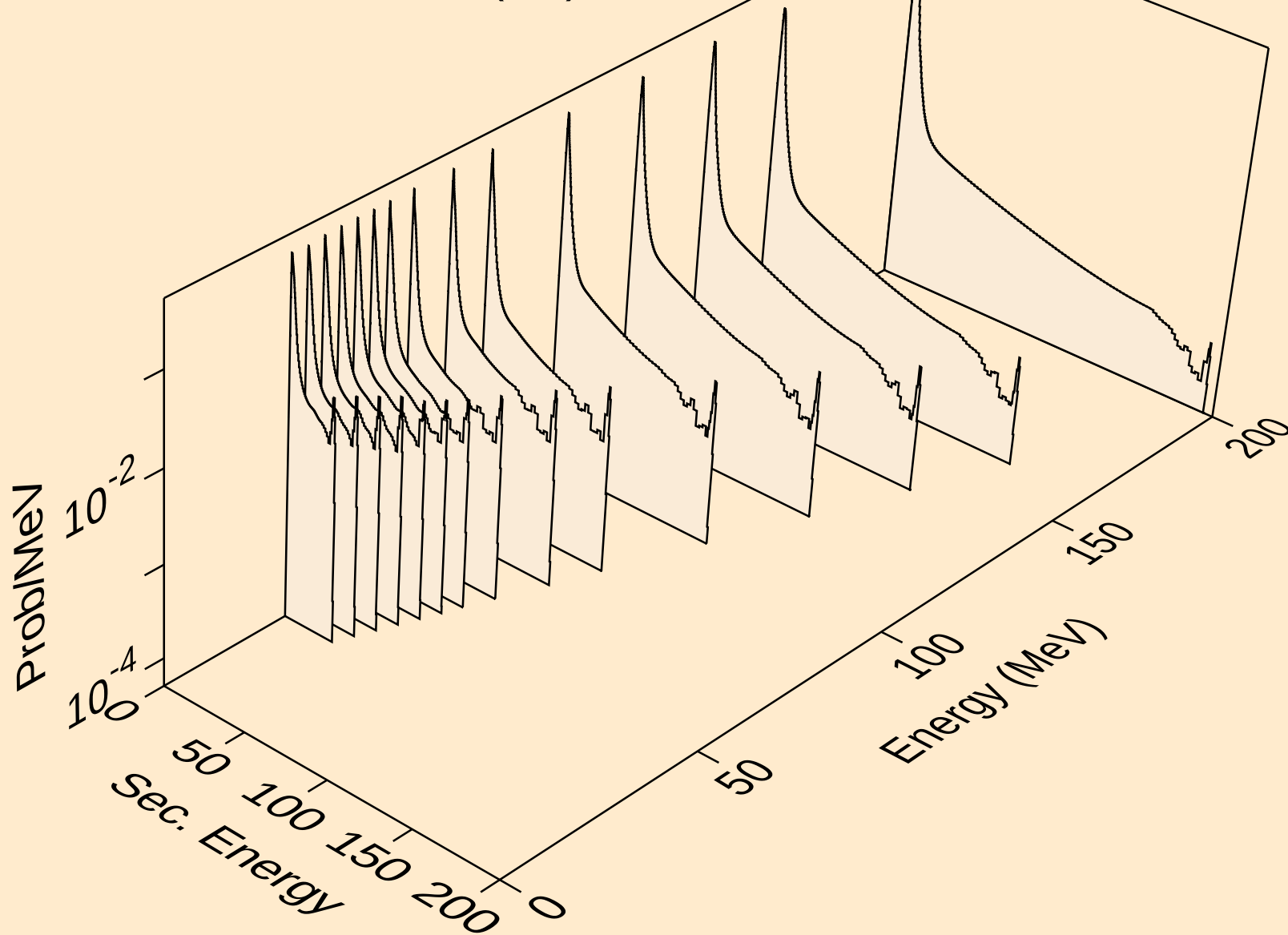
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*16)



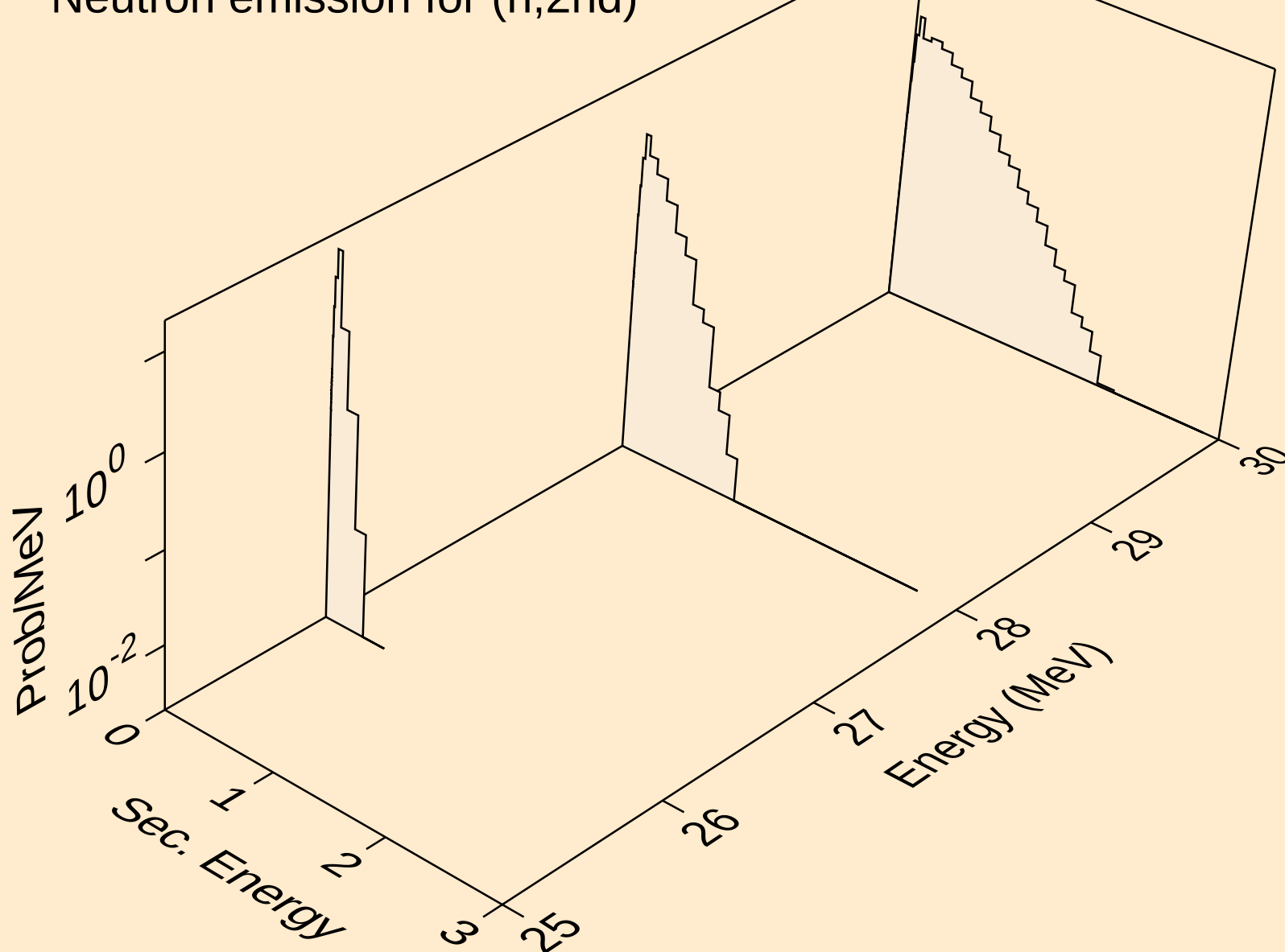
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*17)



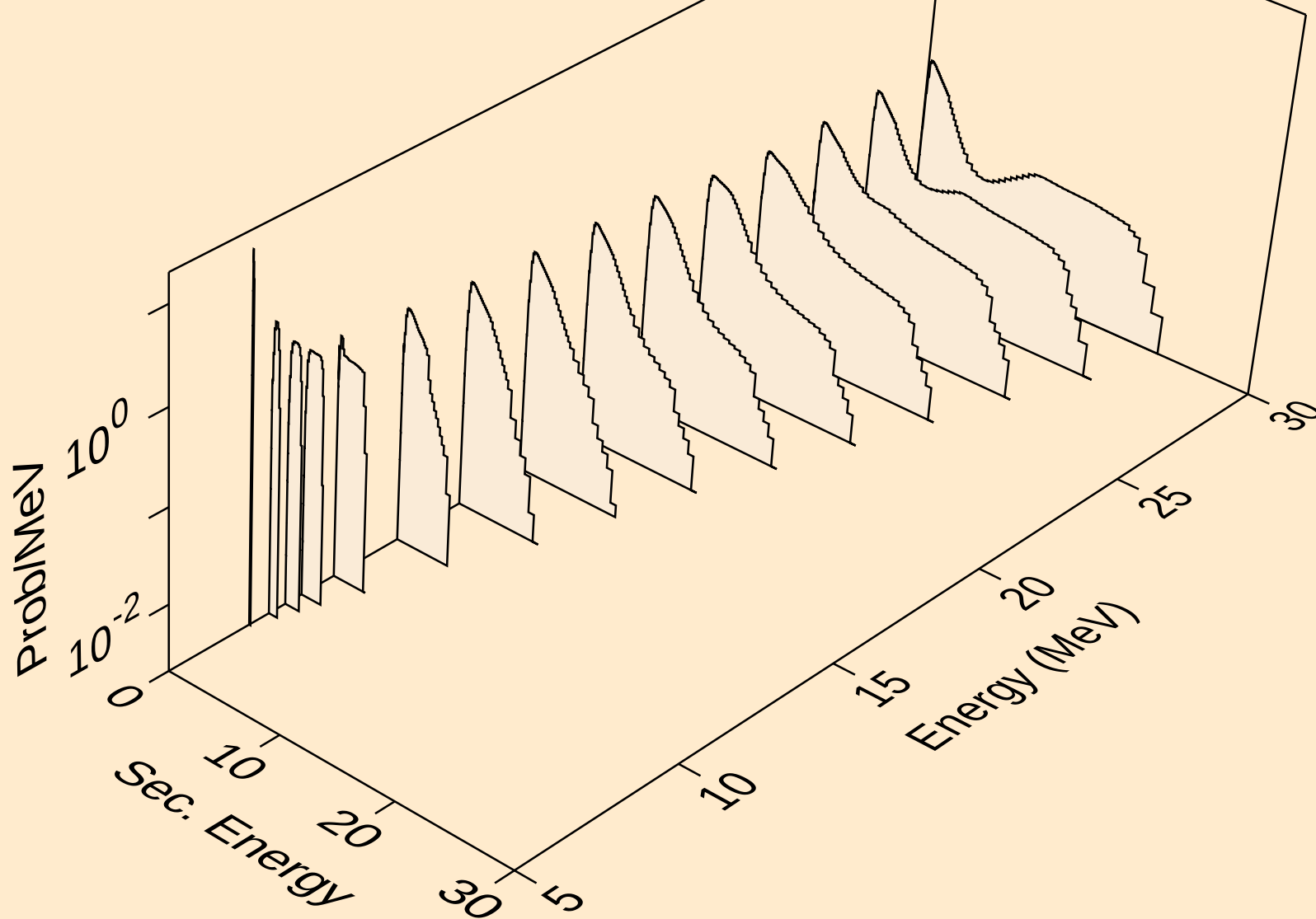
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



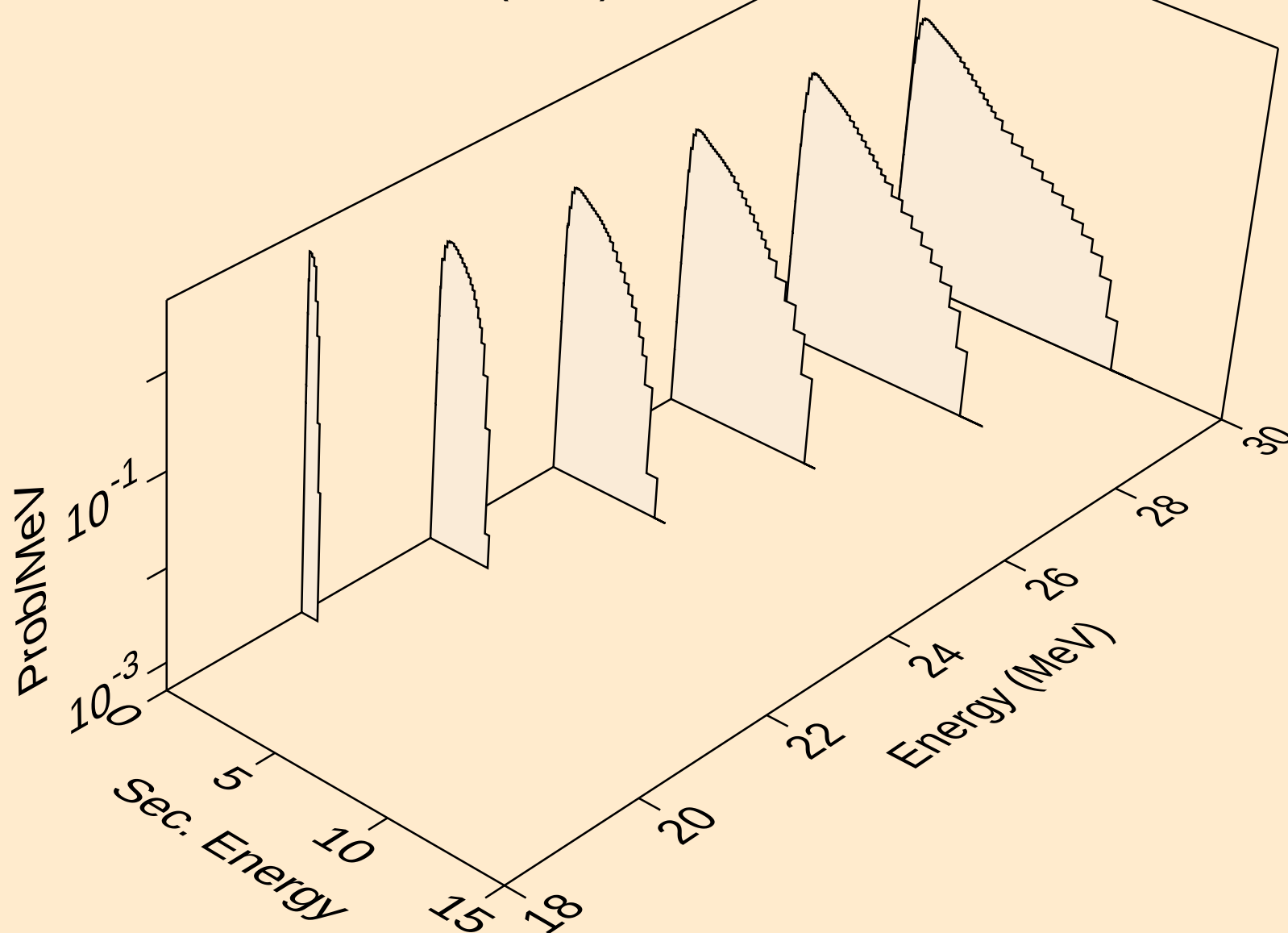
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



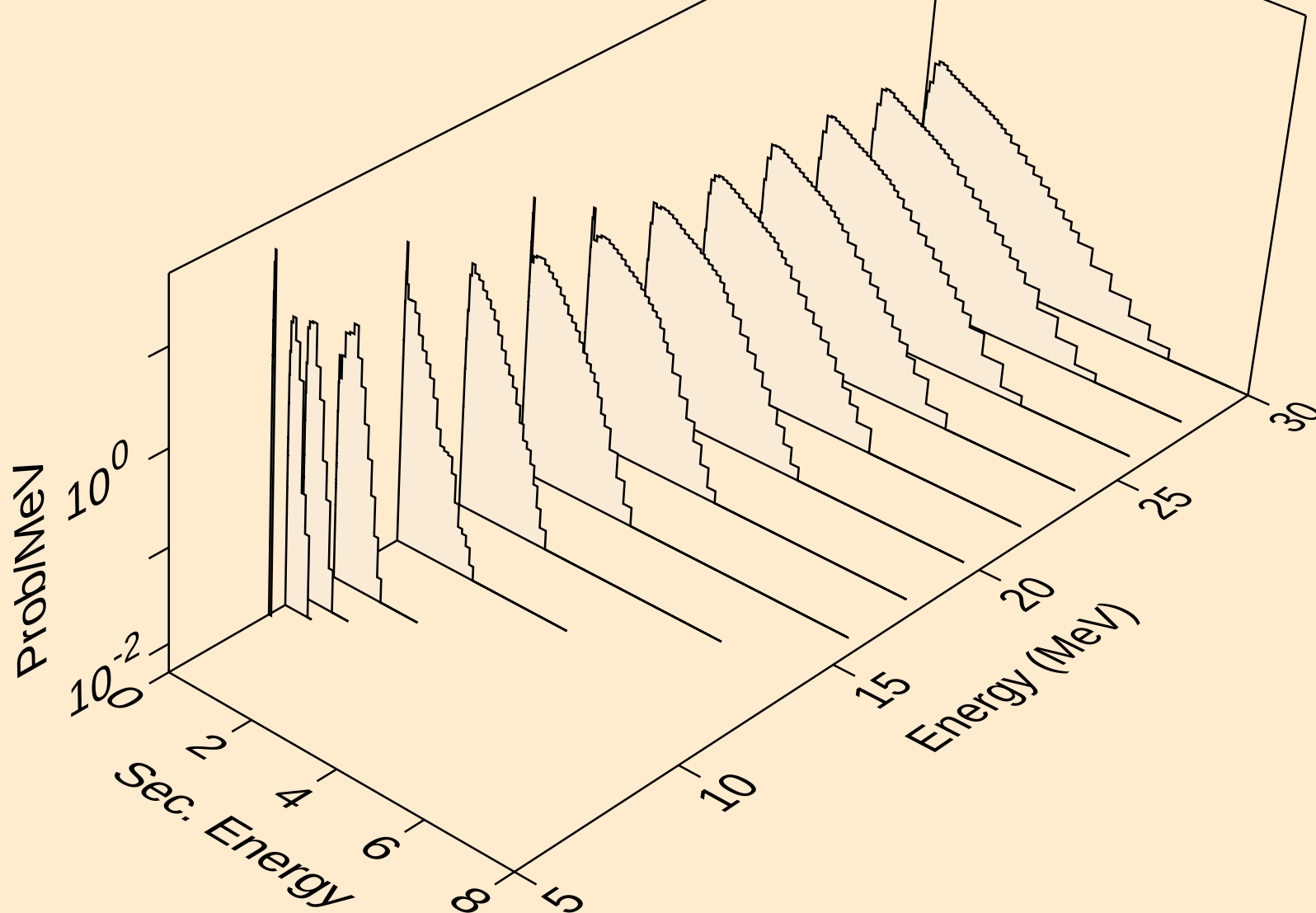
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



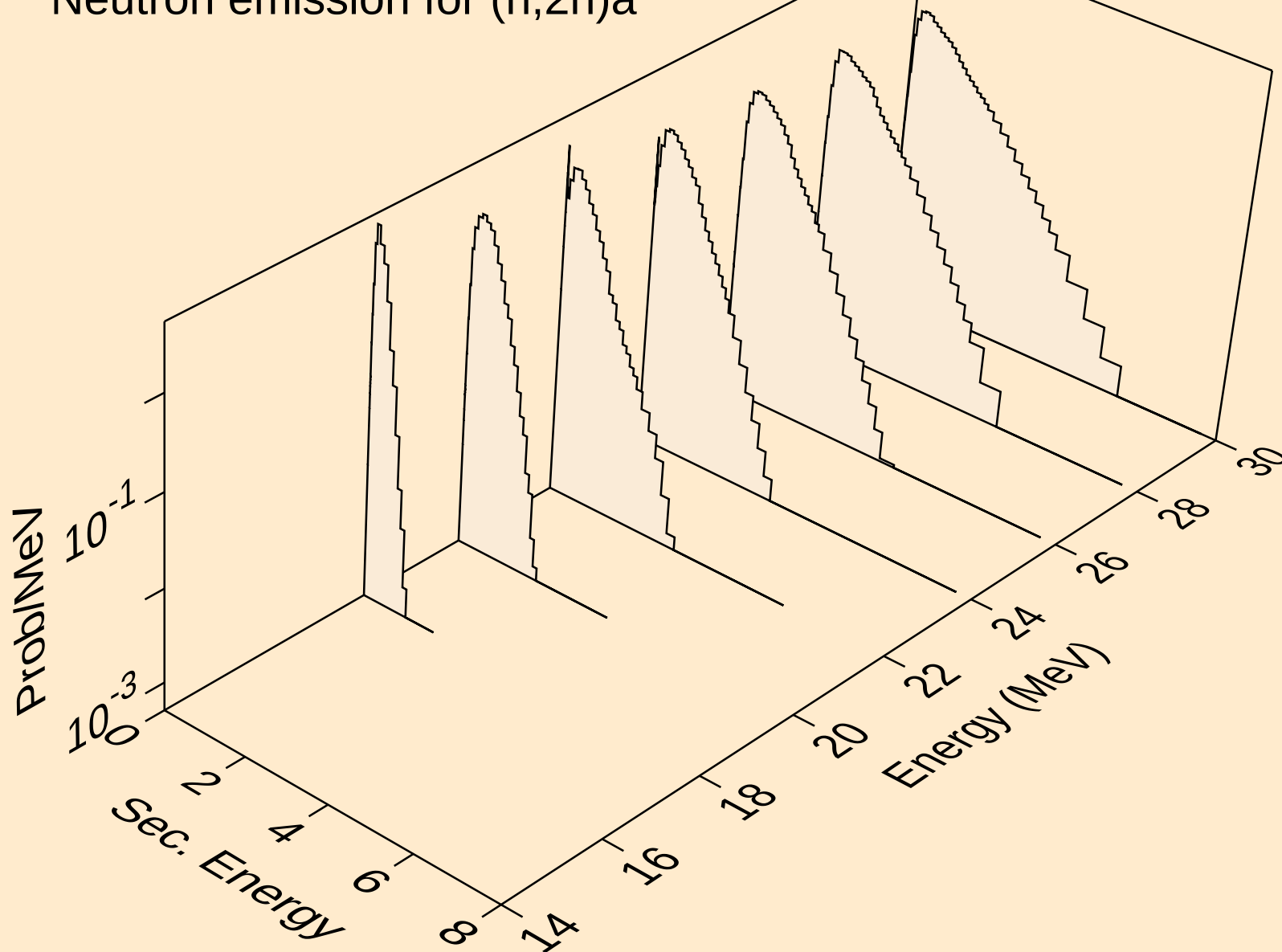
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



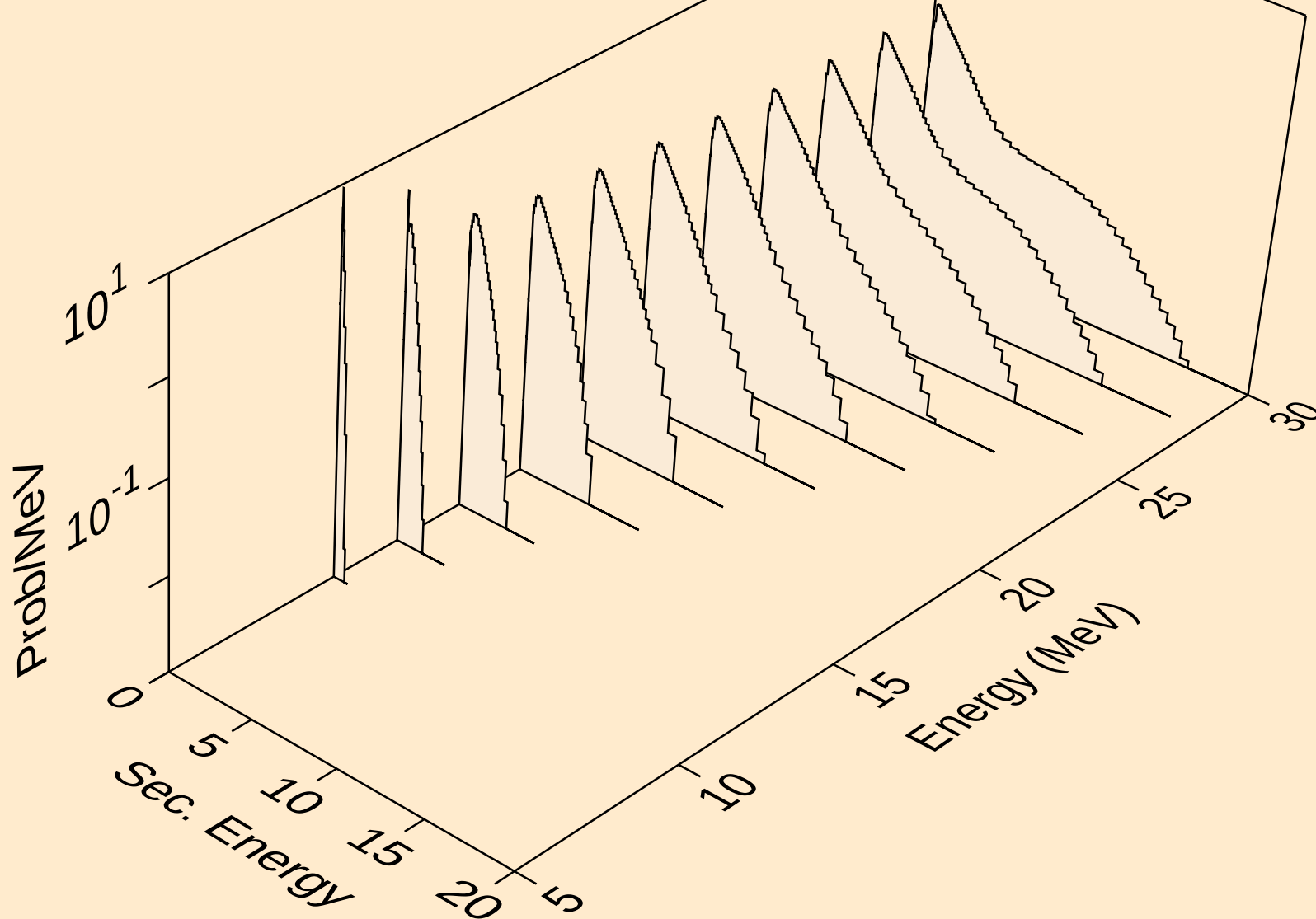
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



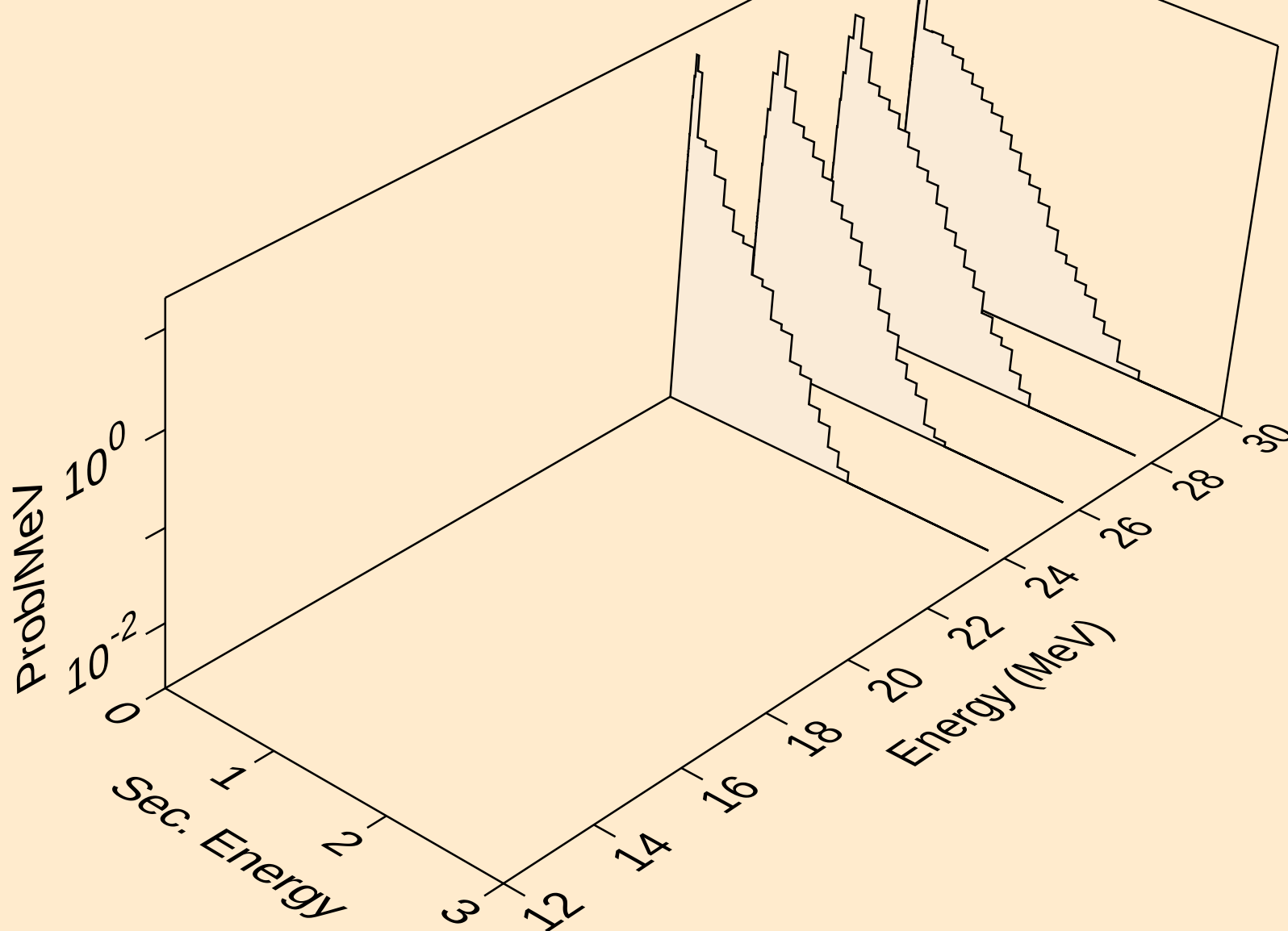
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)_a



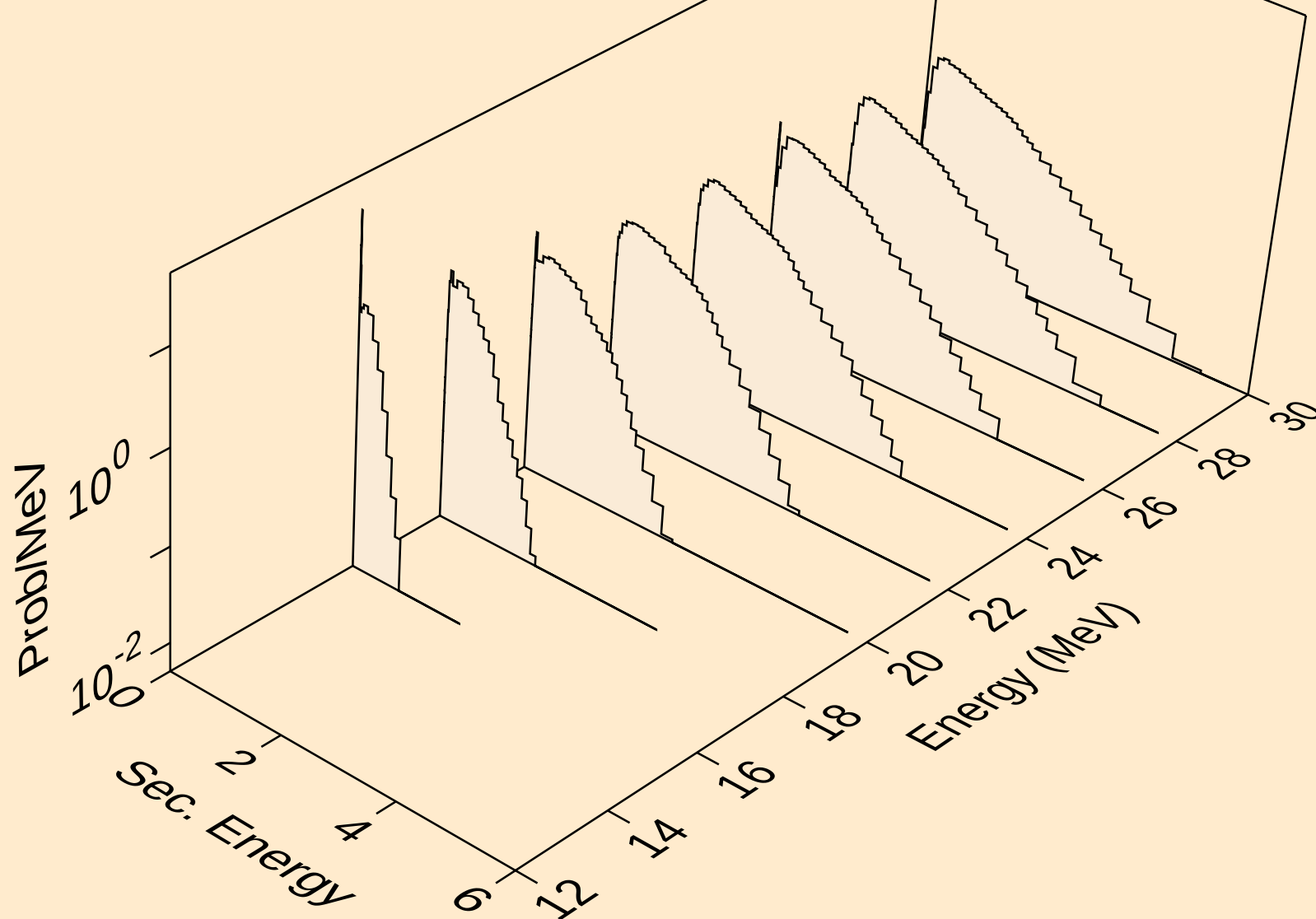
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



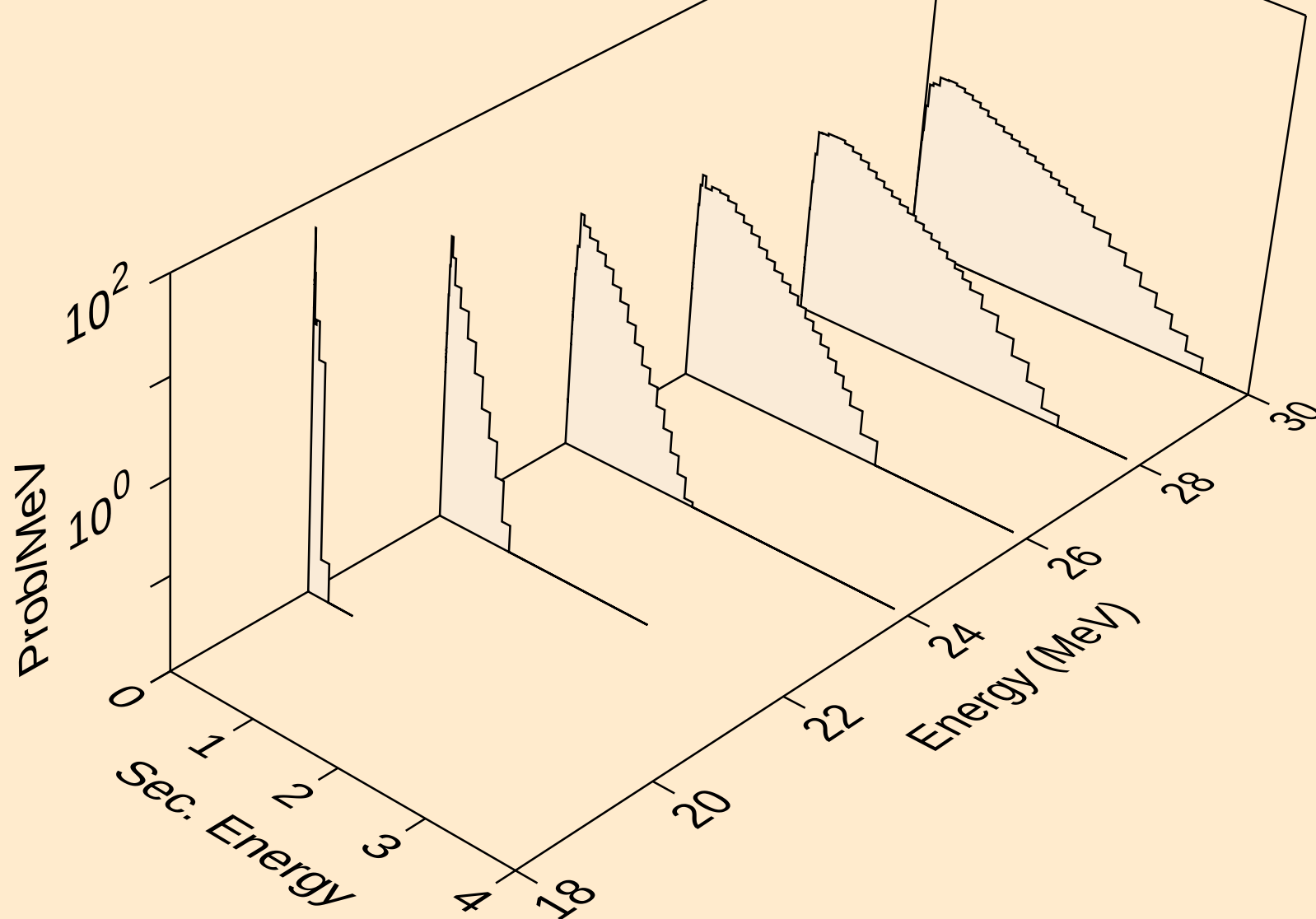
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



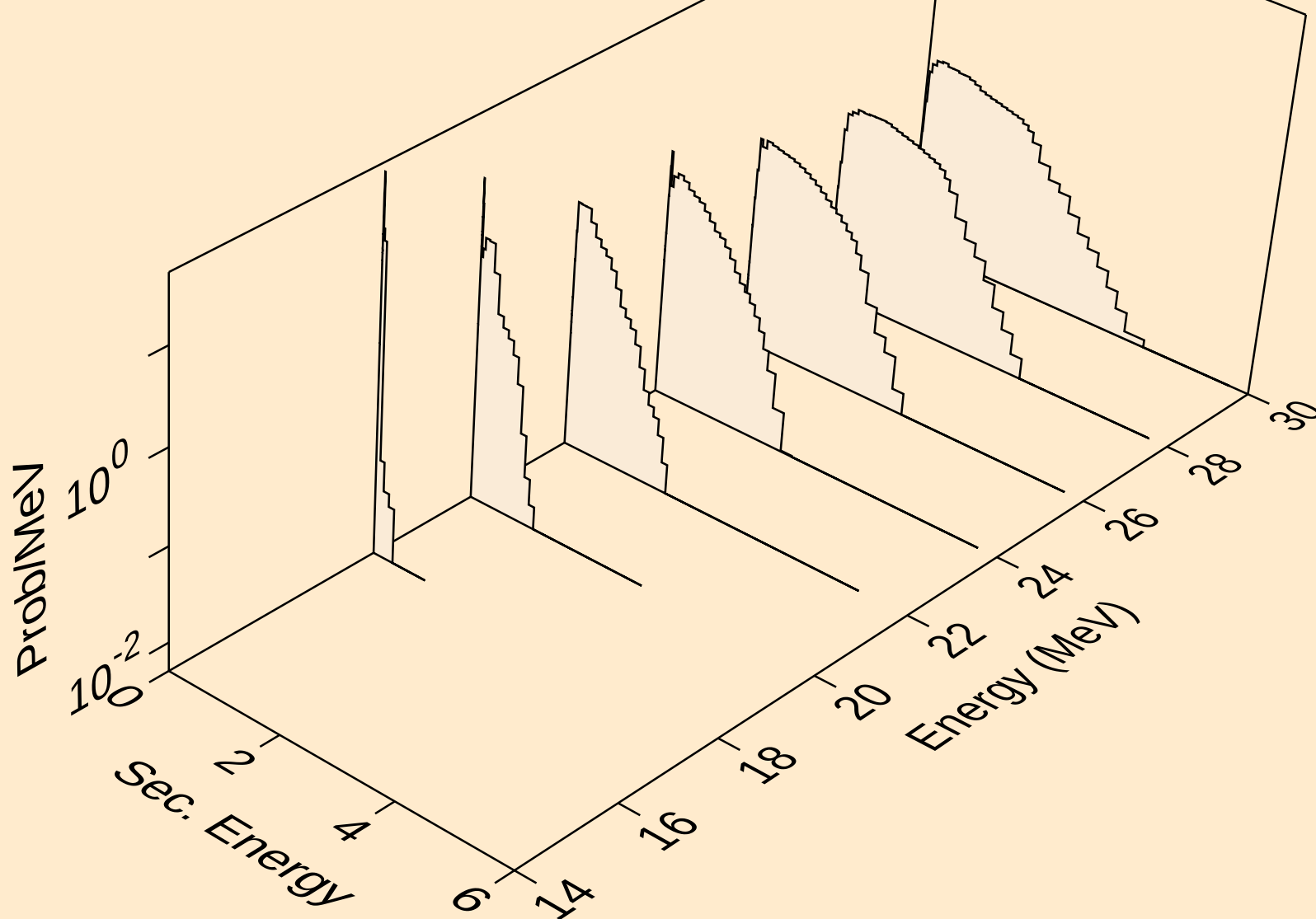
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



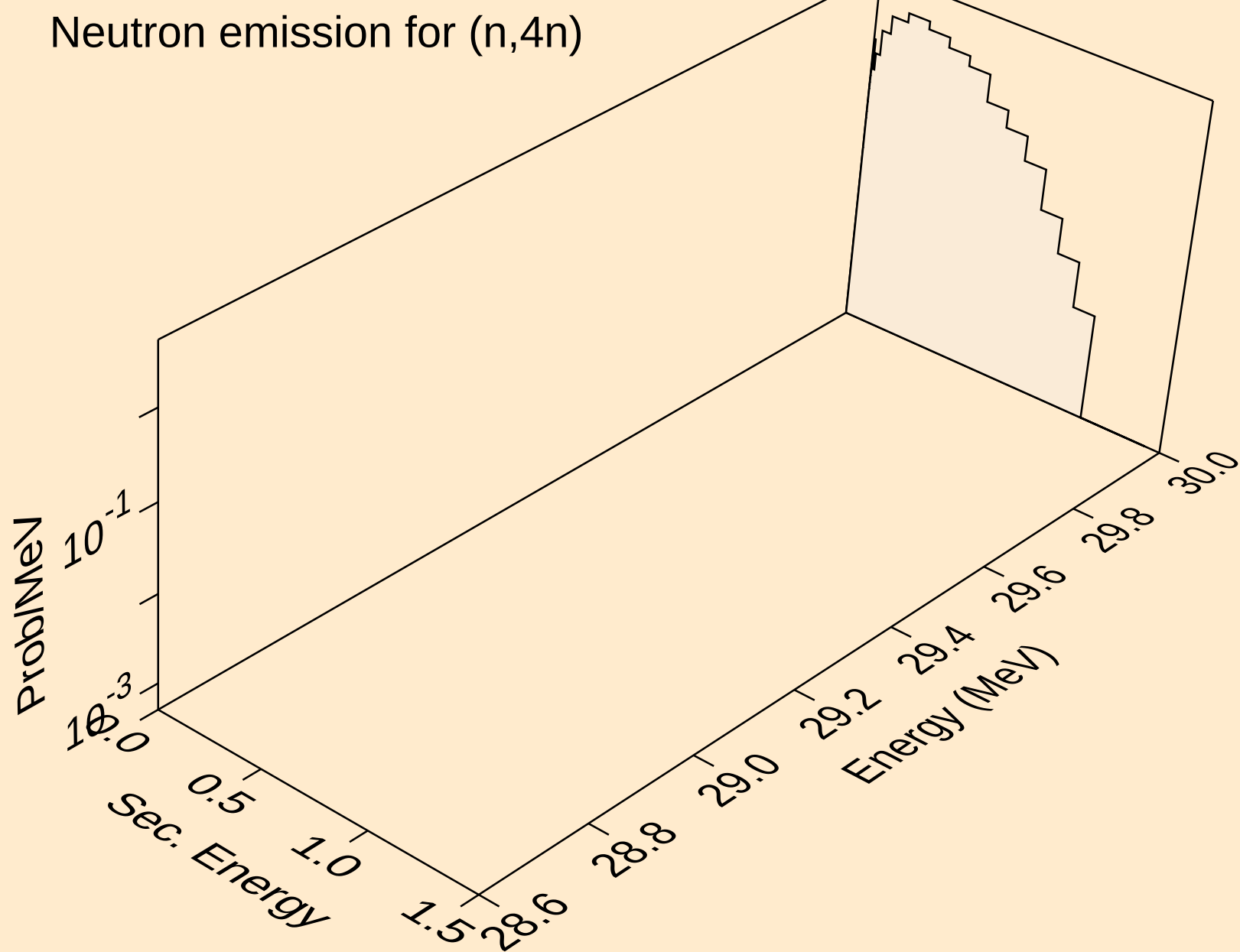
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



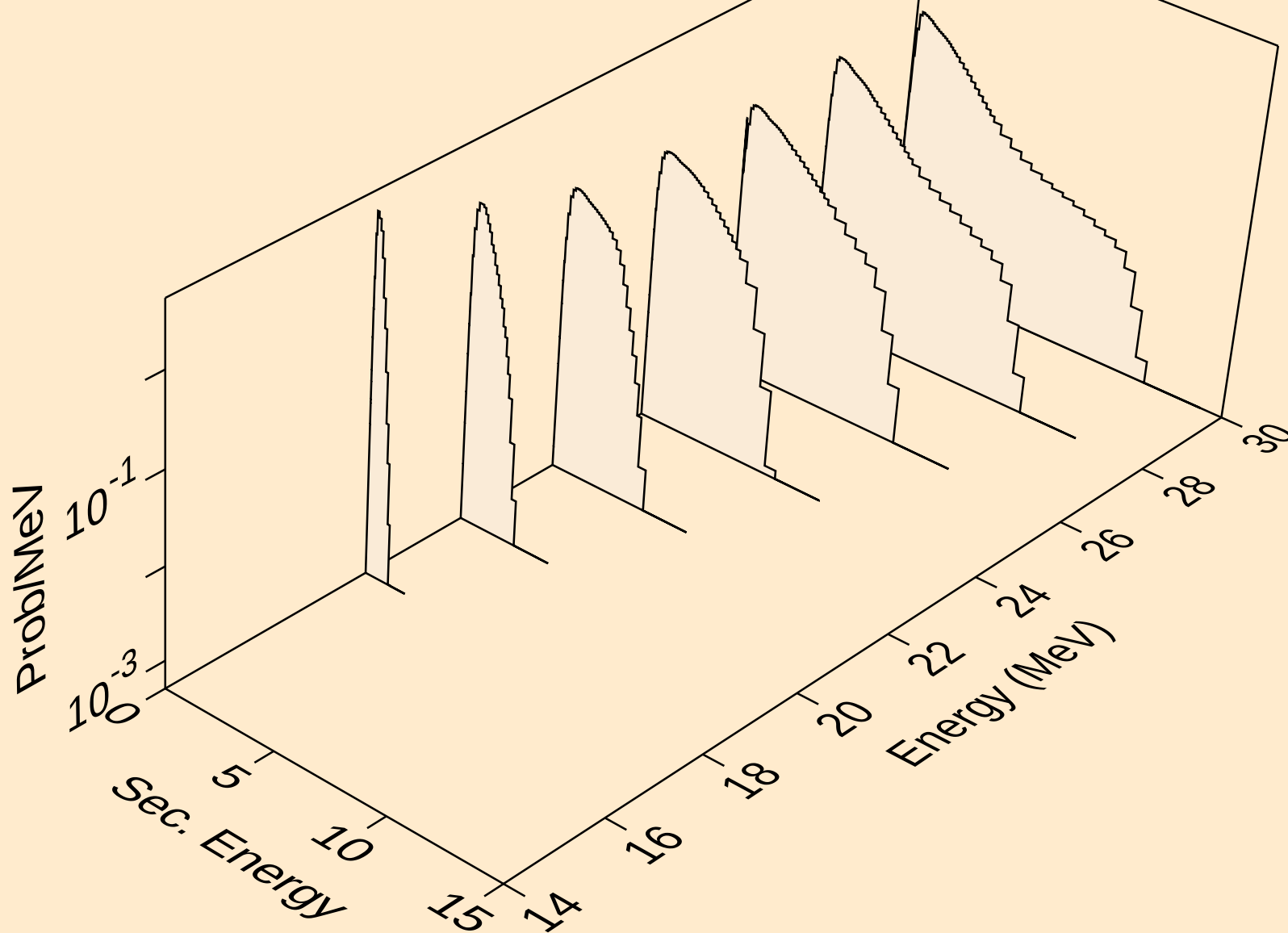
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



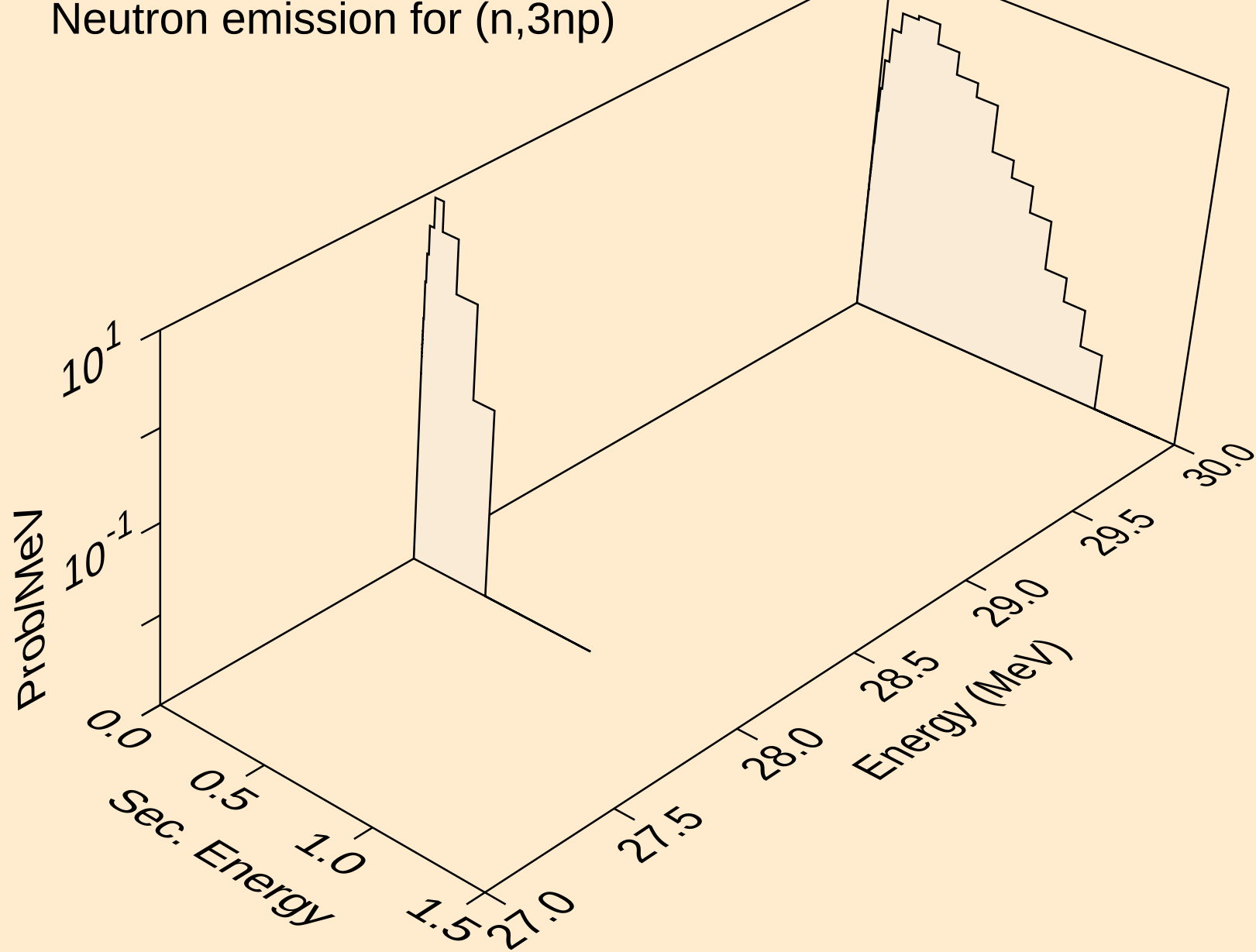
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



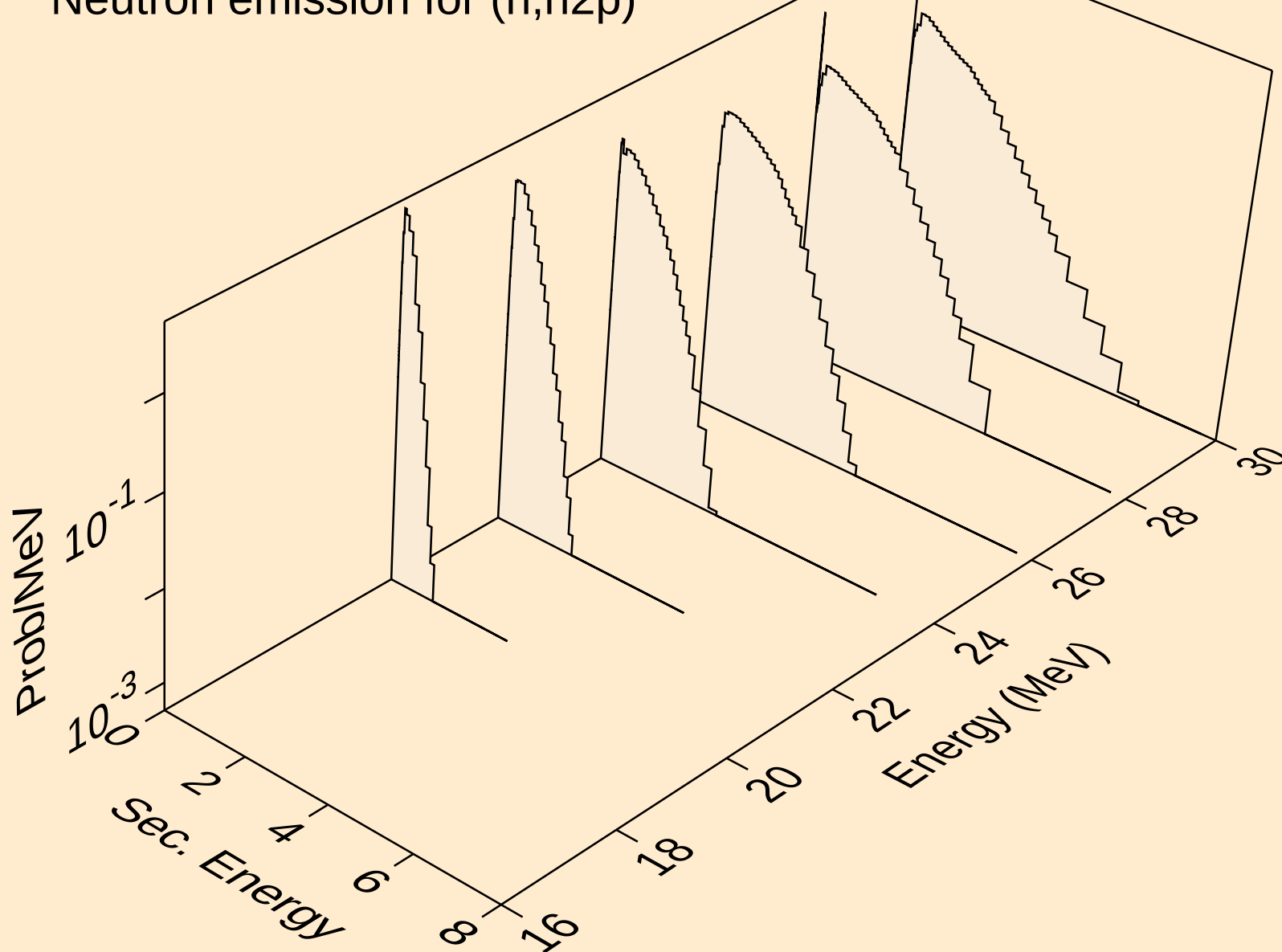
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



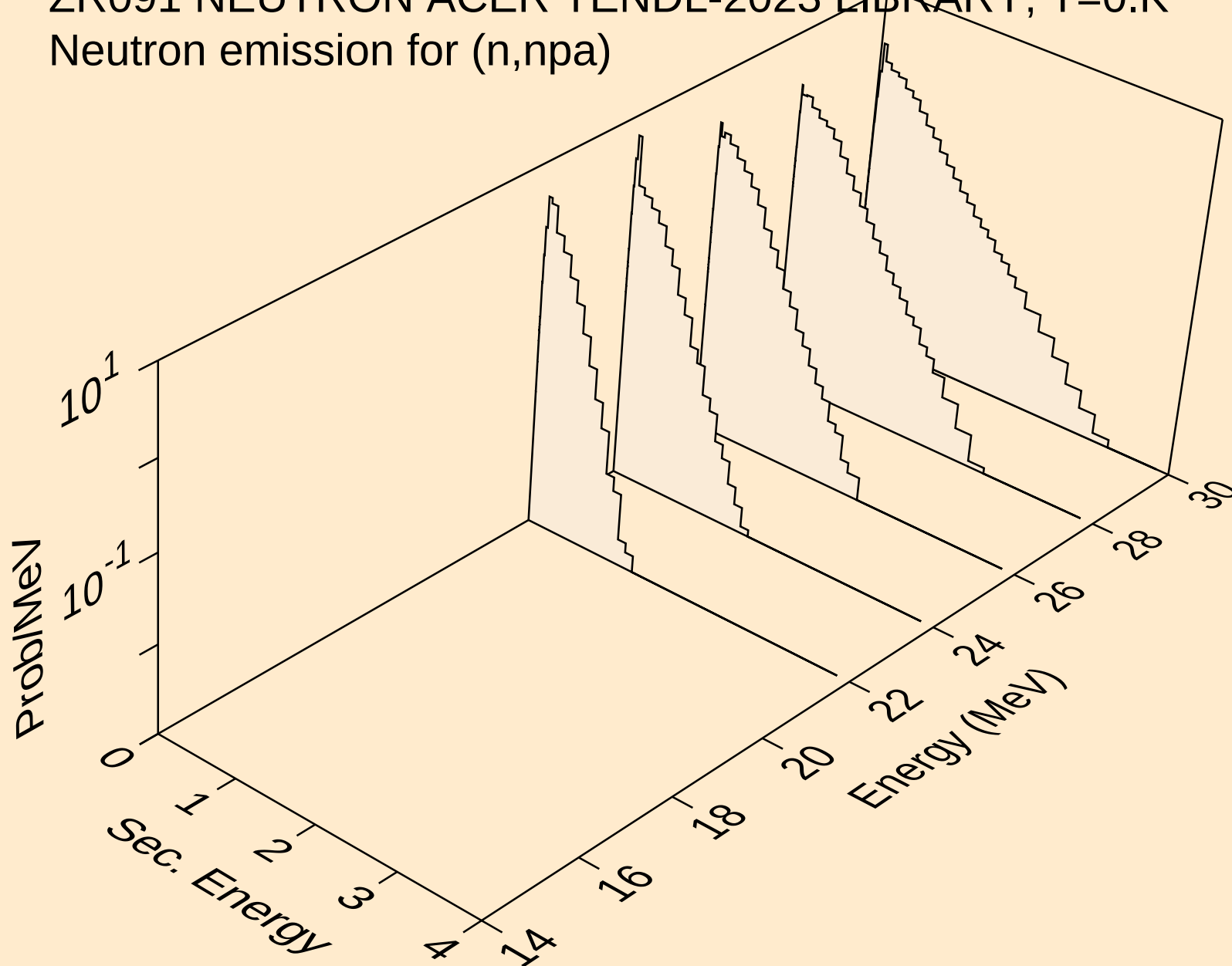
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



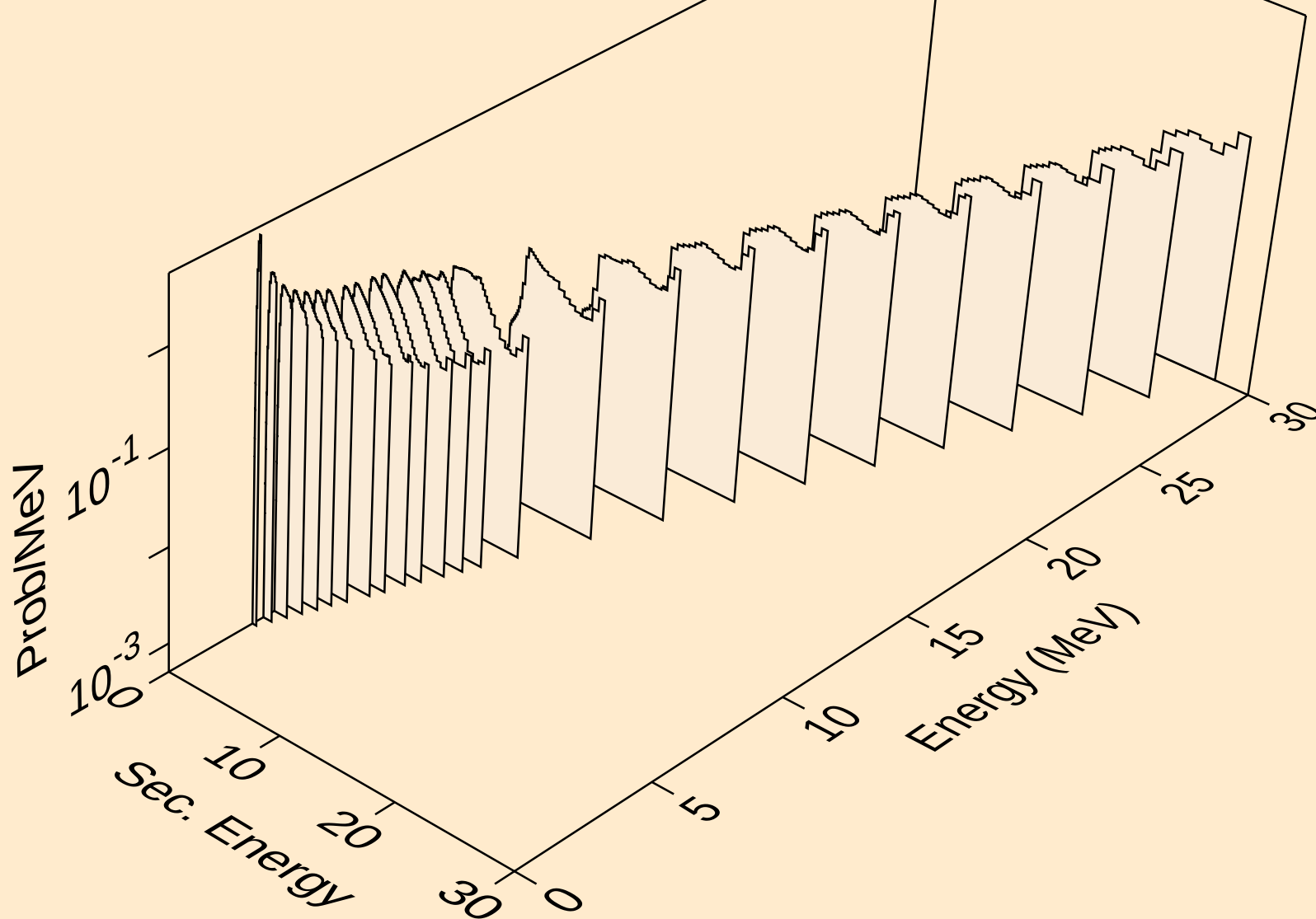
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



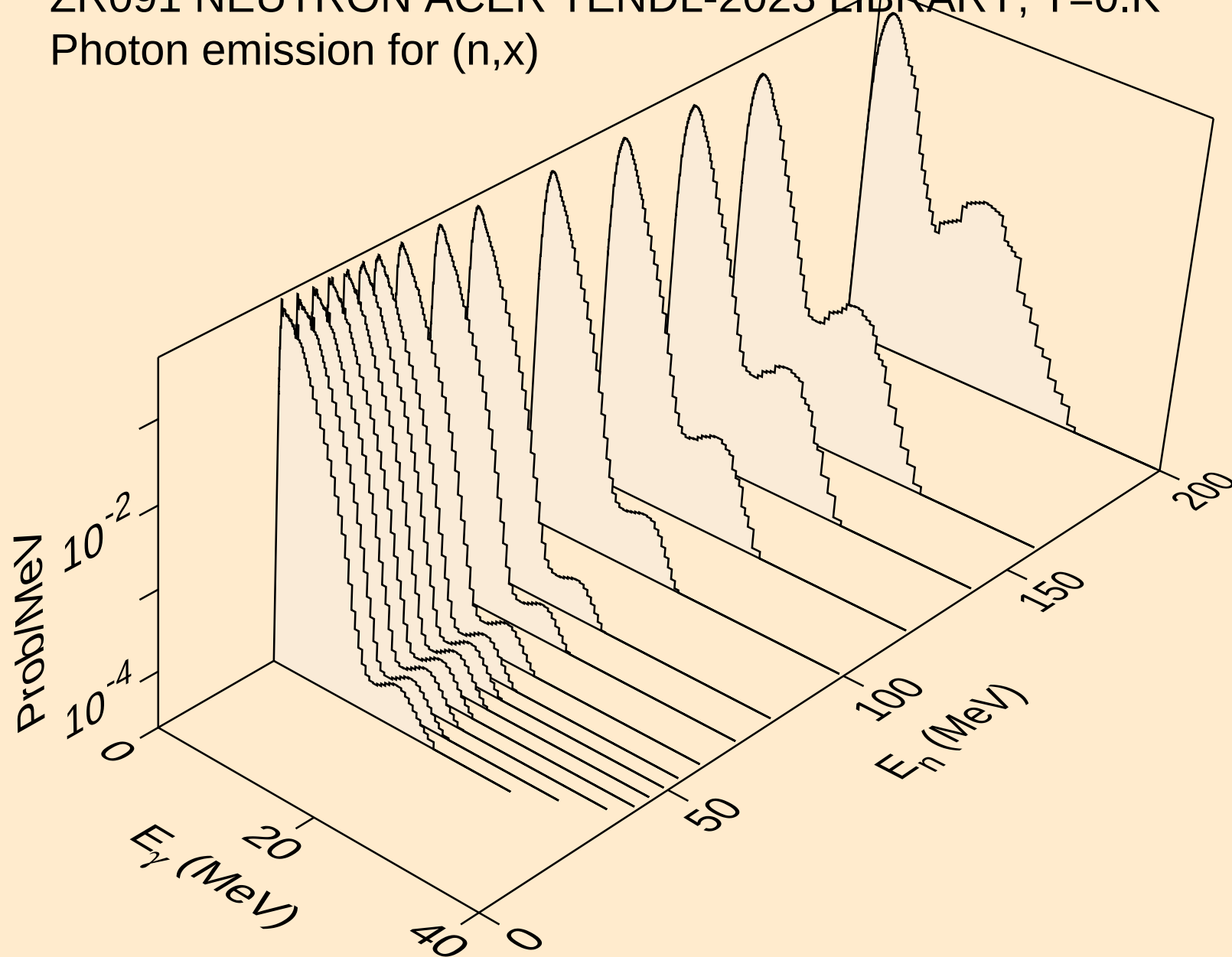
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



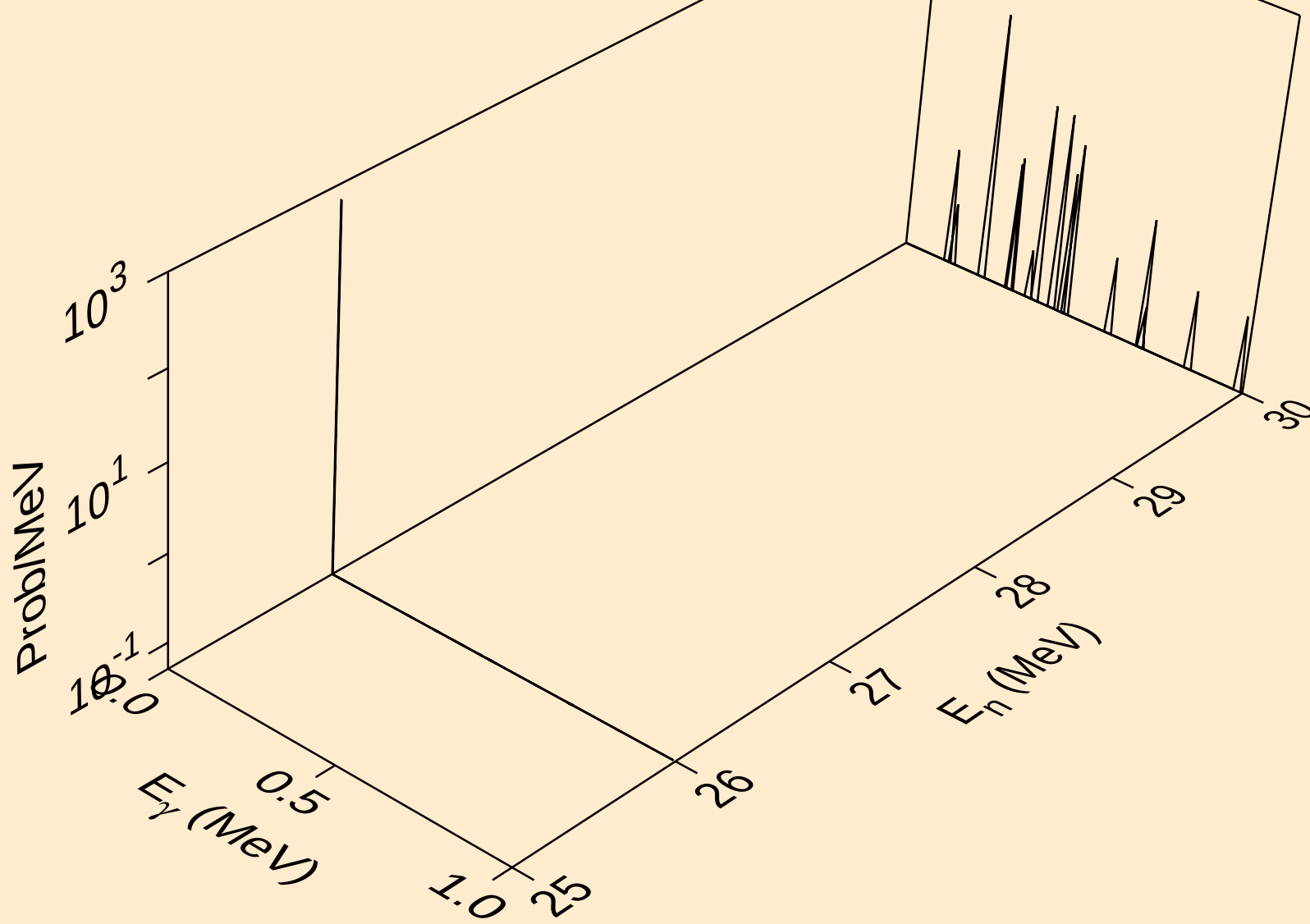
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



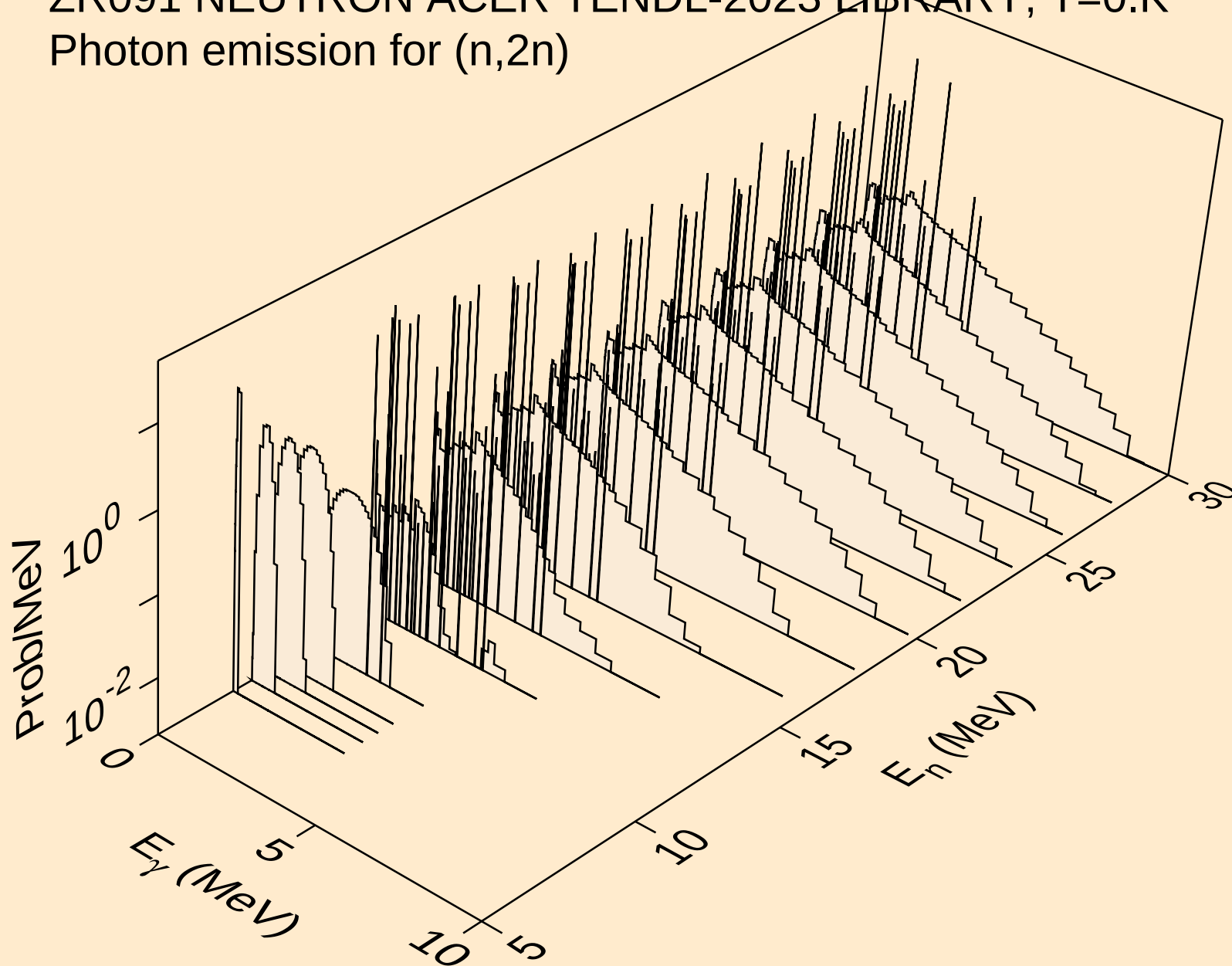
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



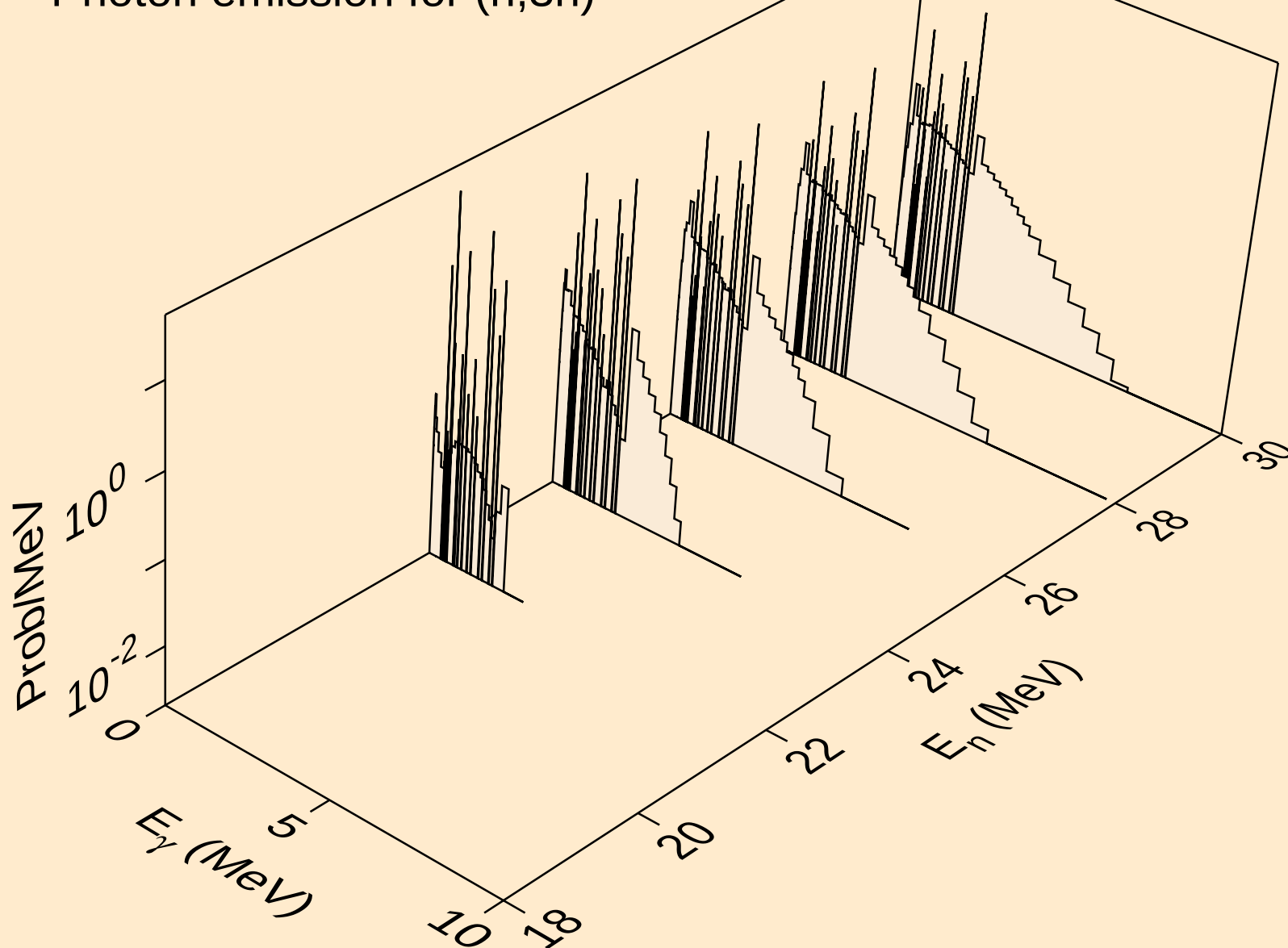
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



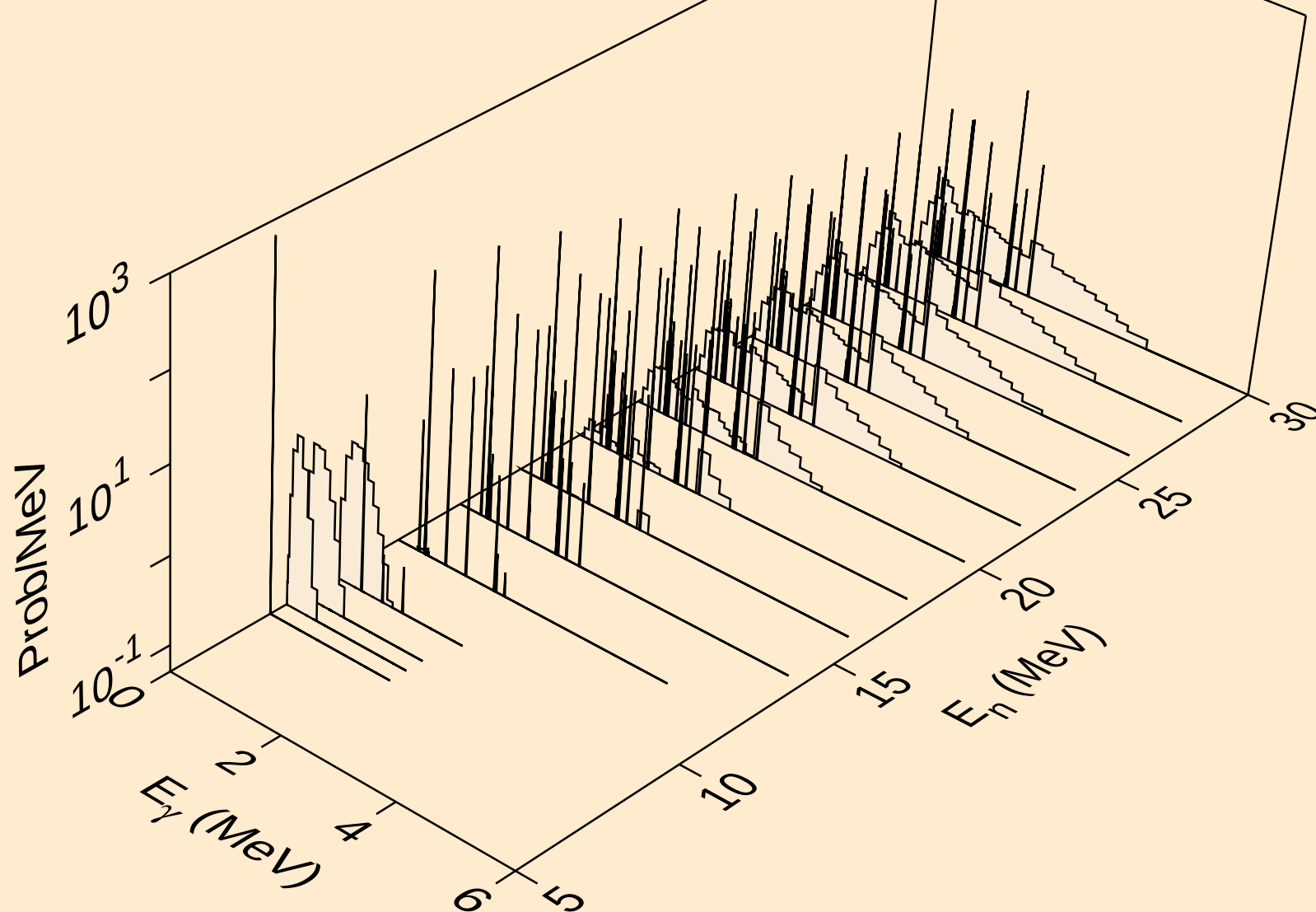
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



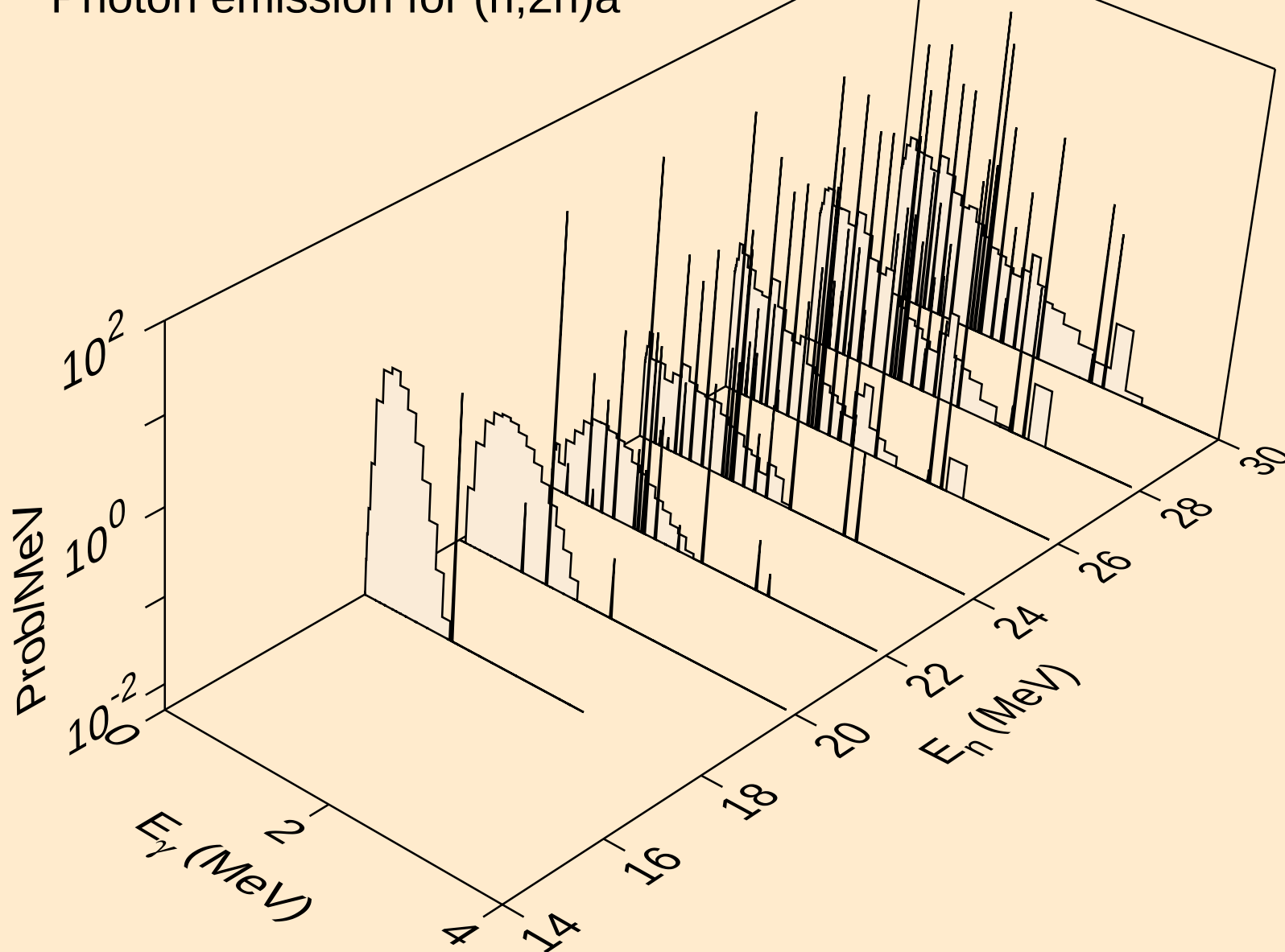
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



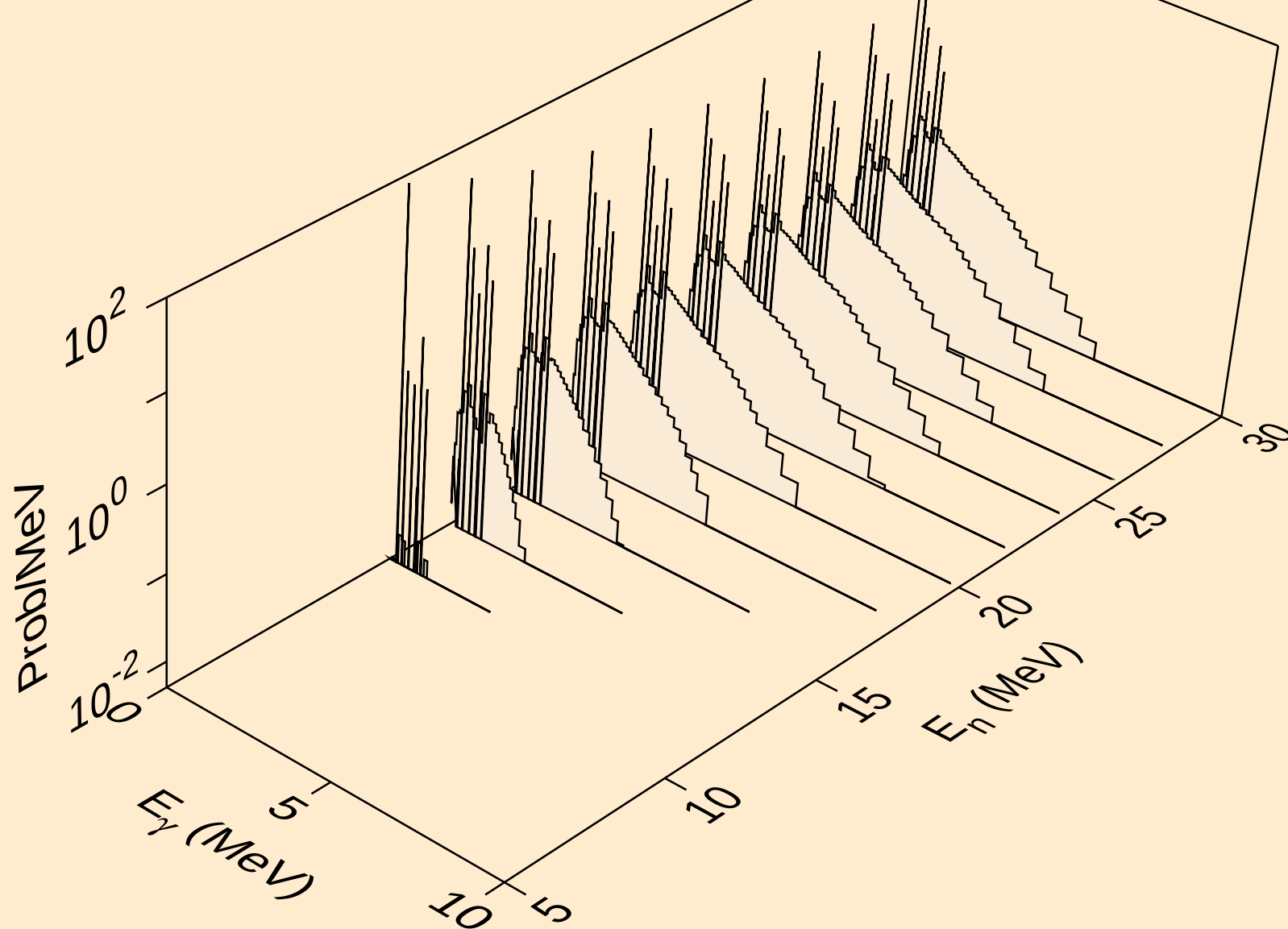
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



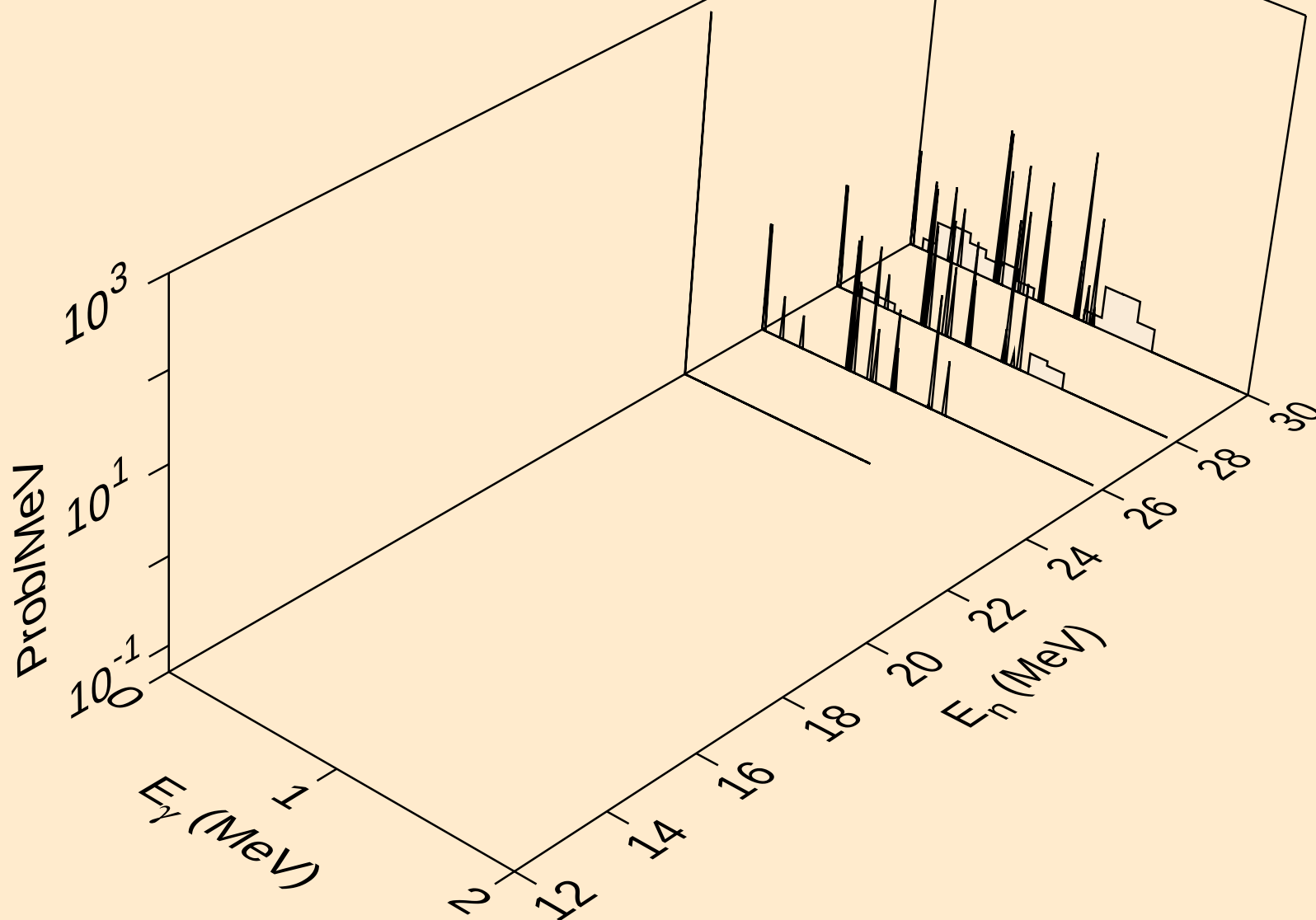
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n) α



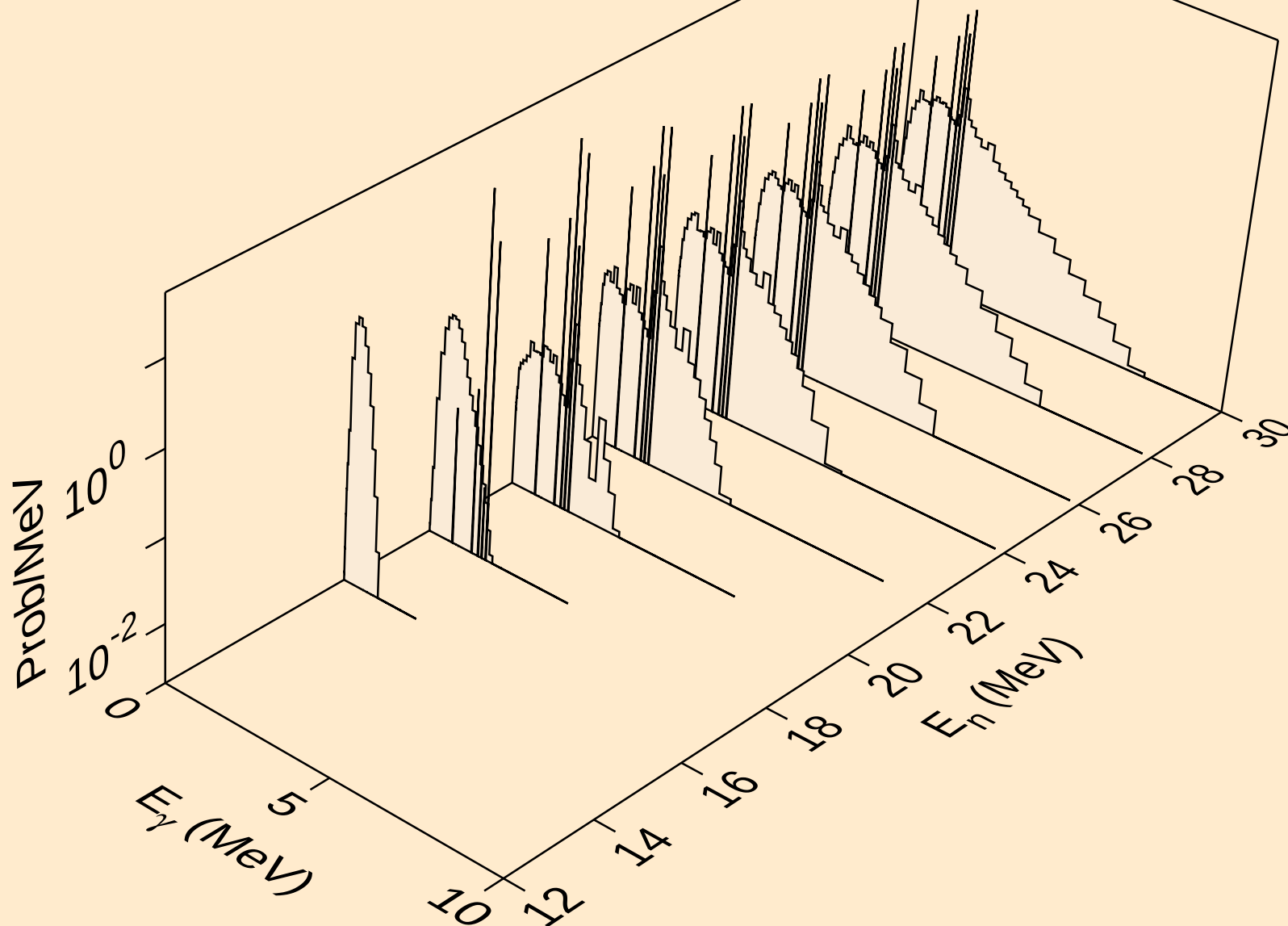
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



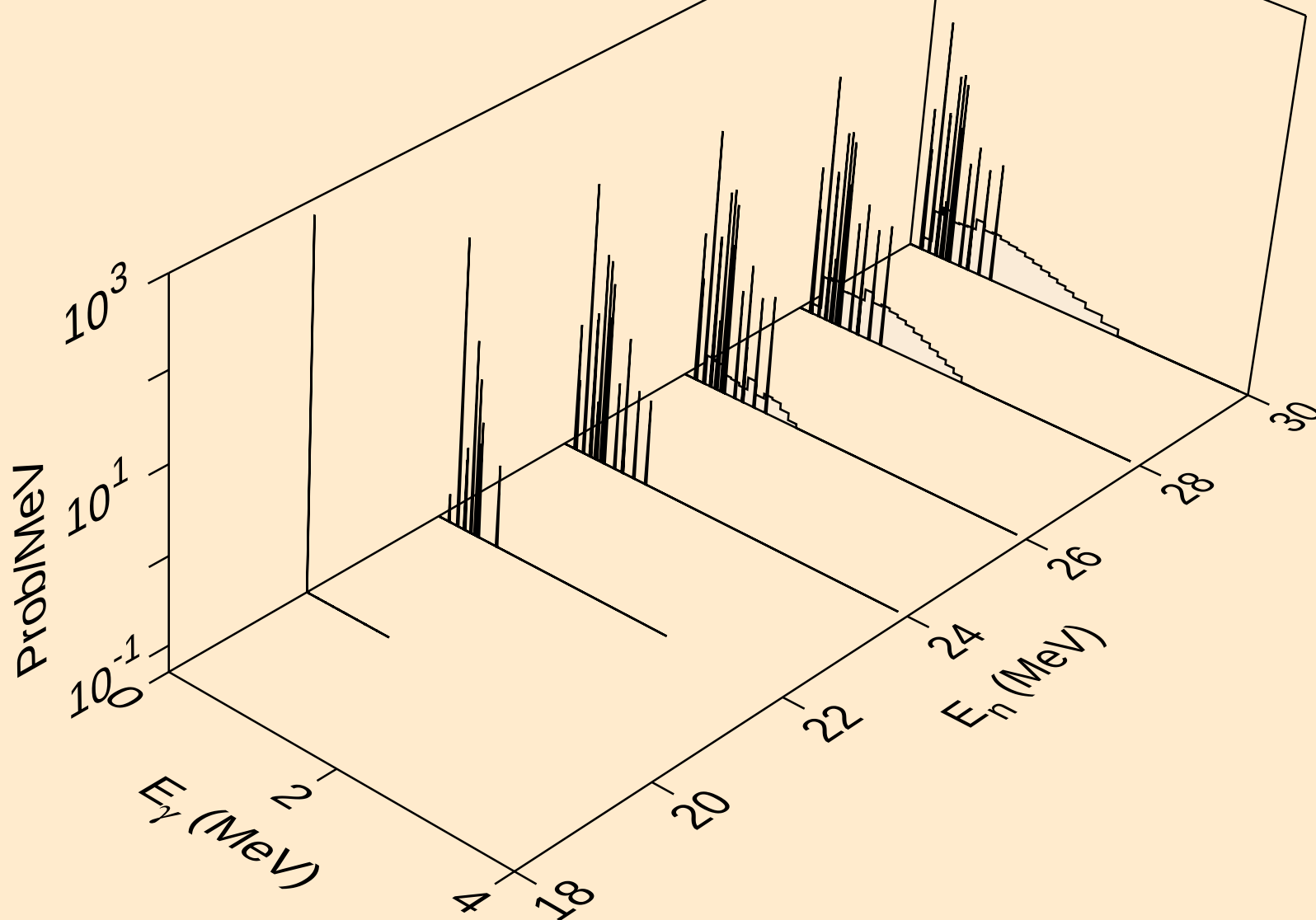
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



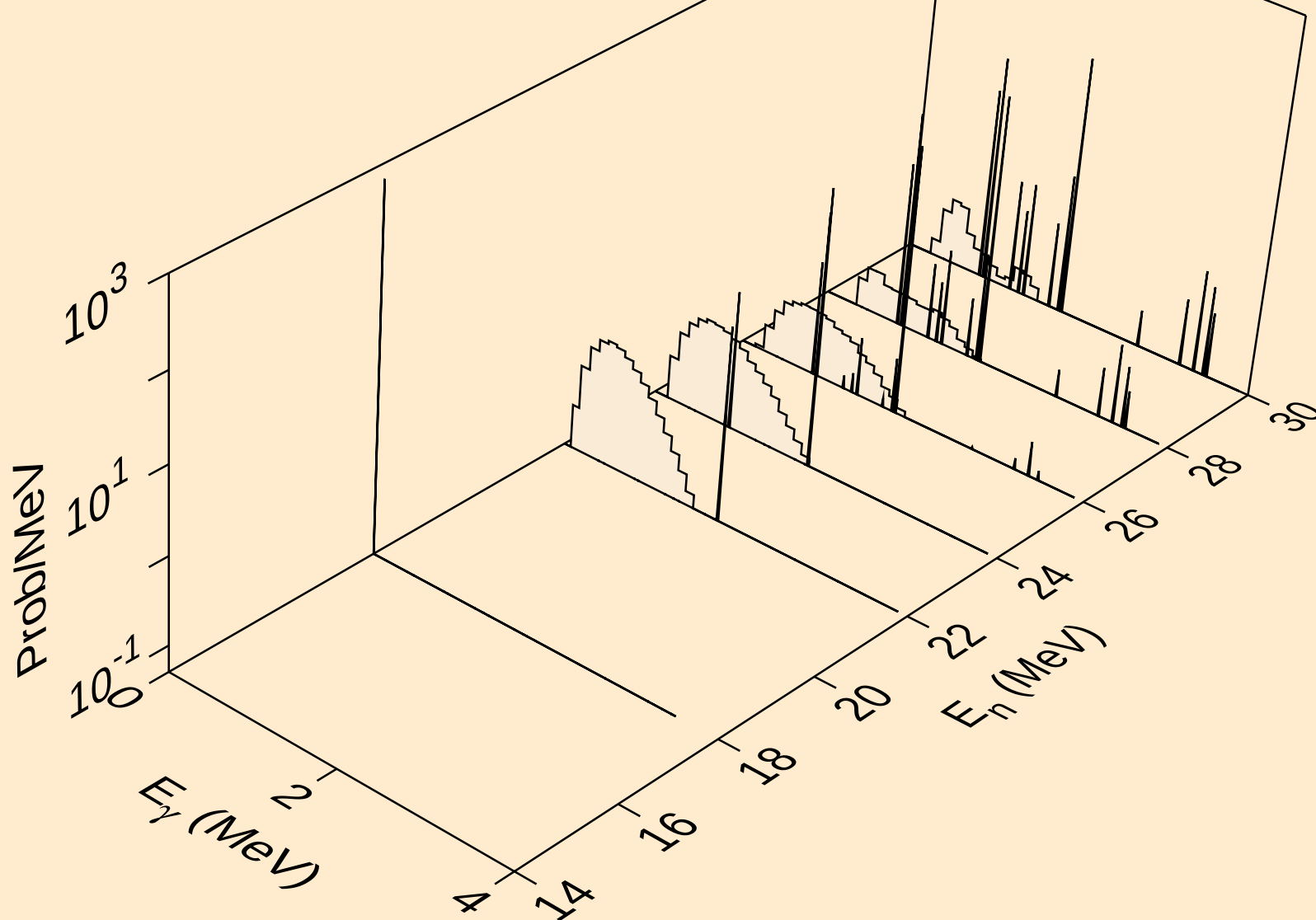
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



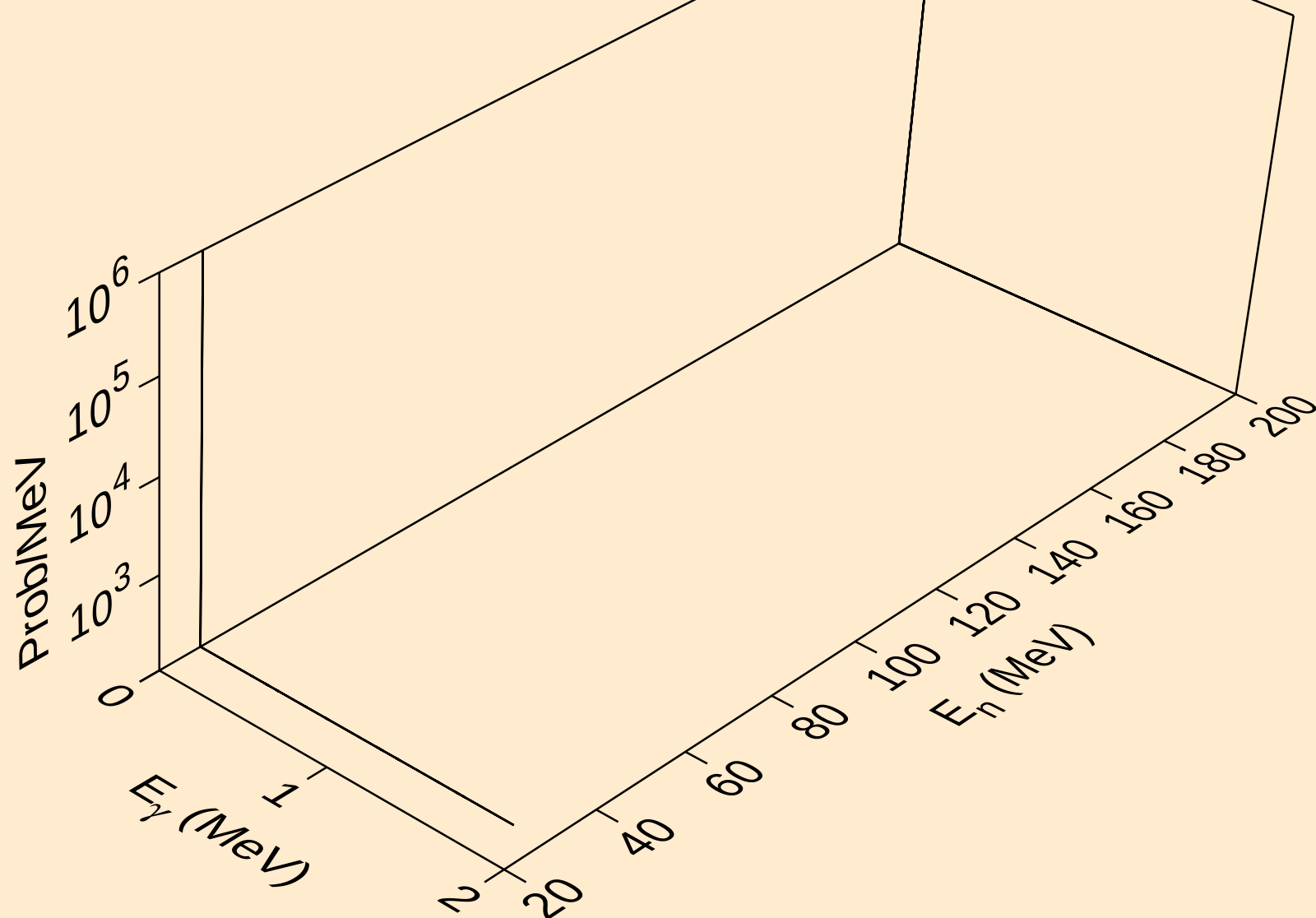
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



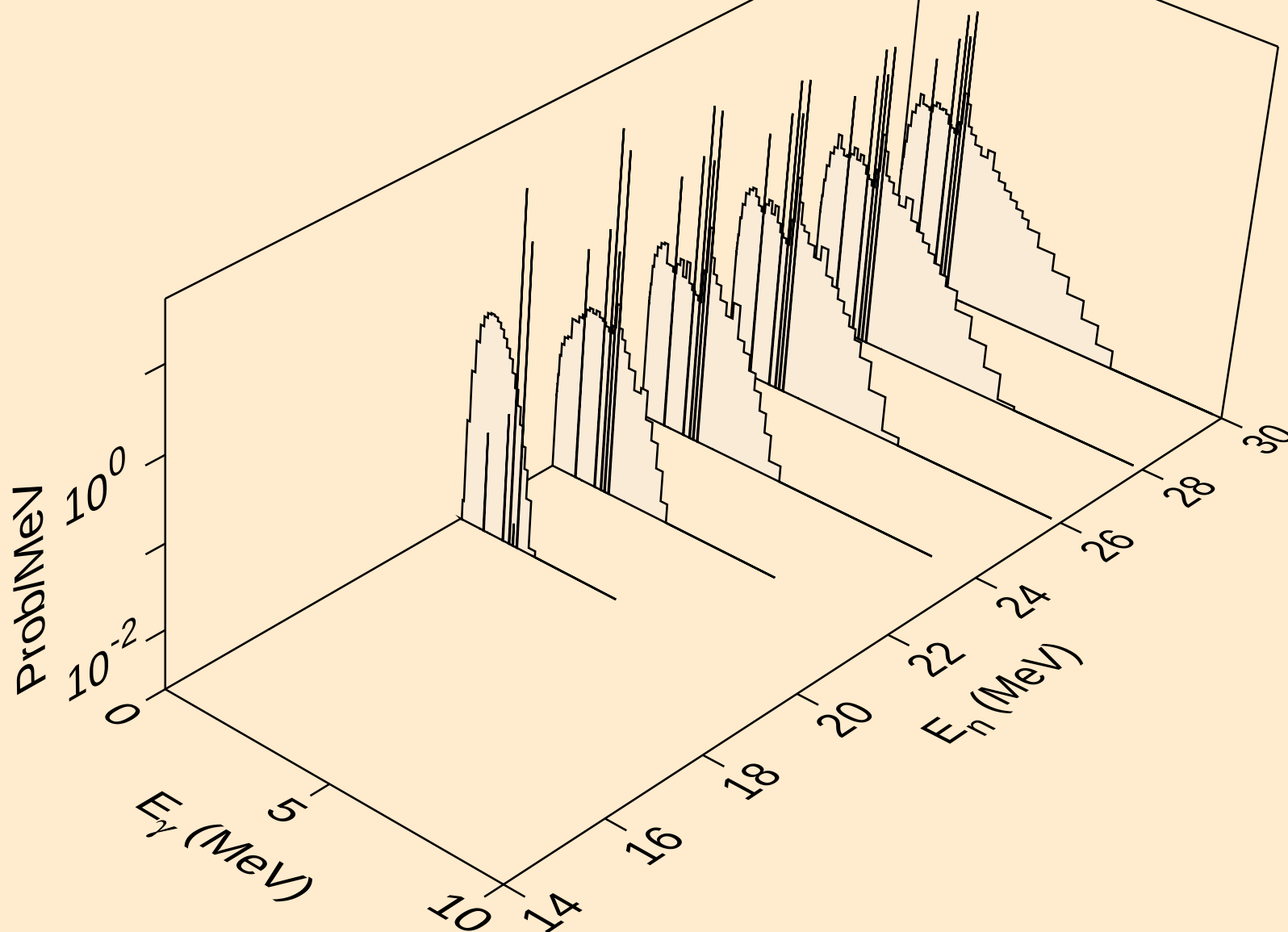
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



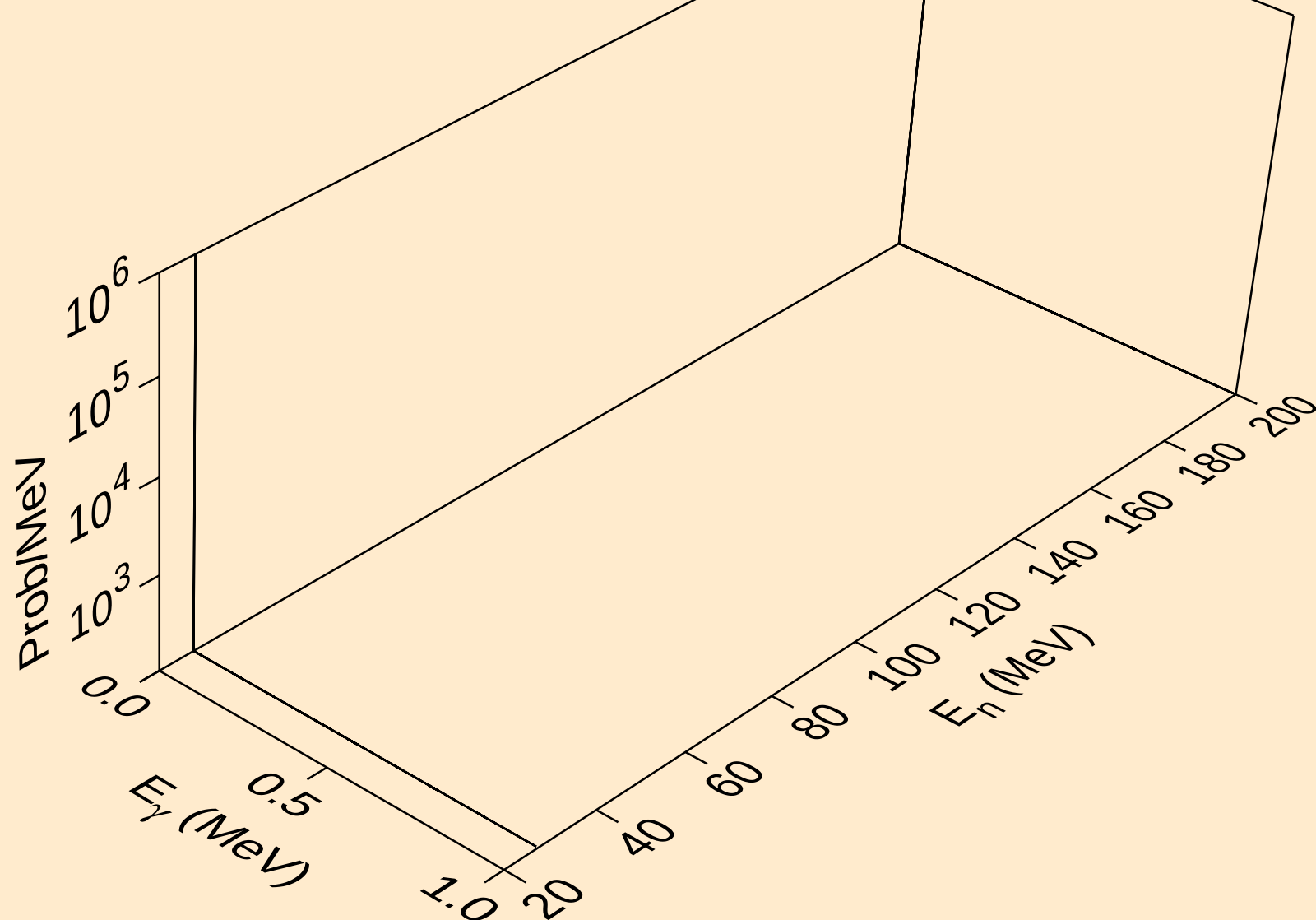
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



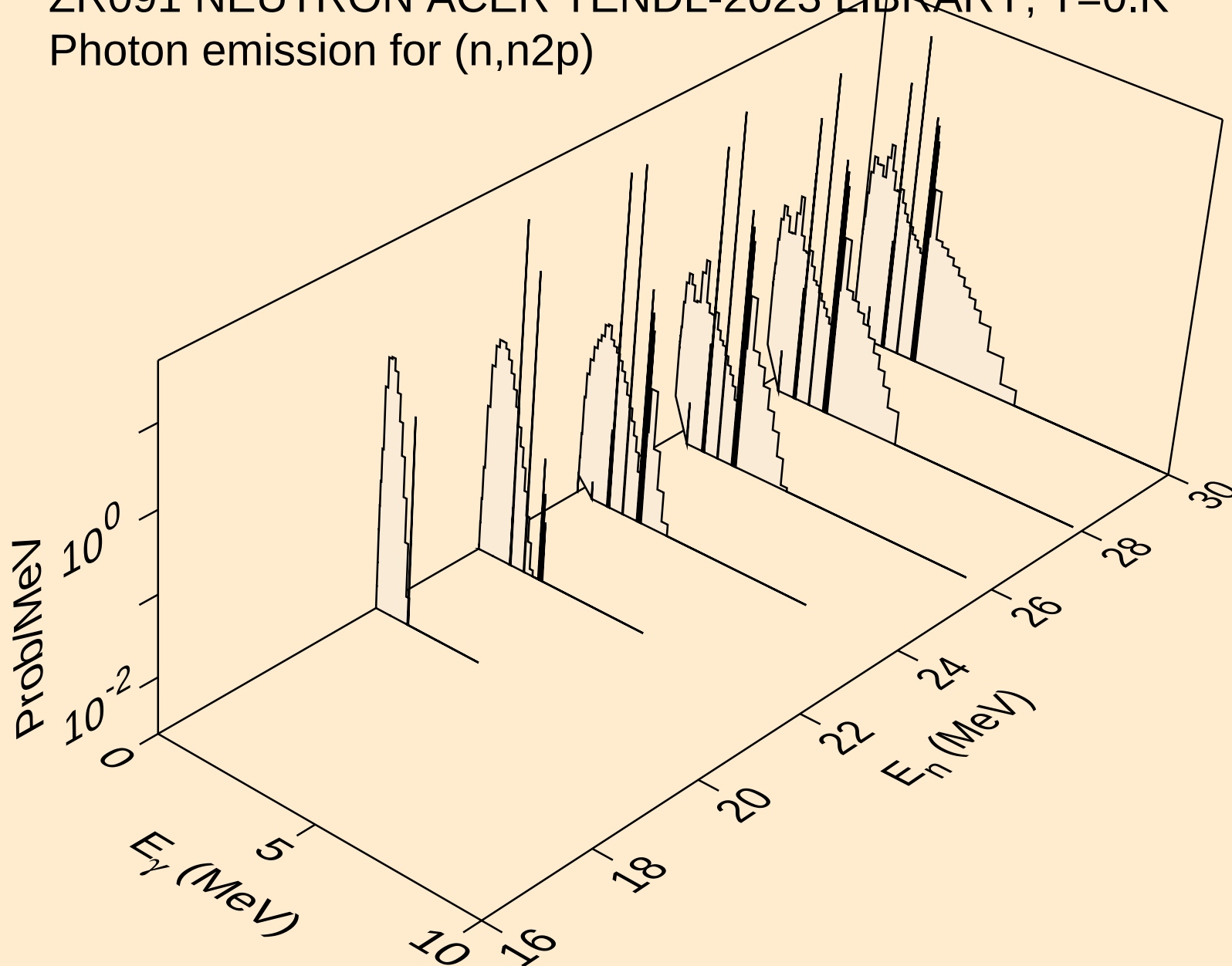
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



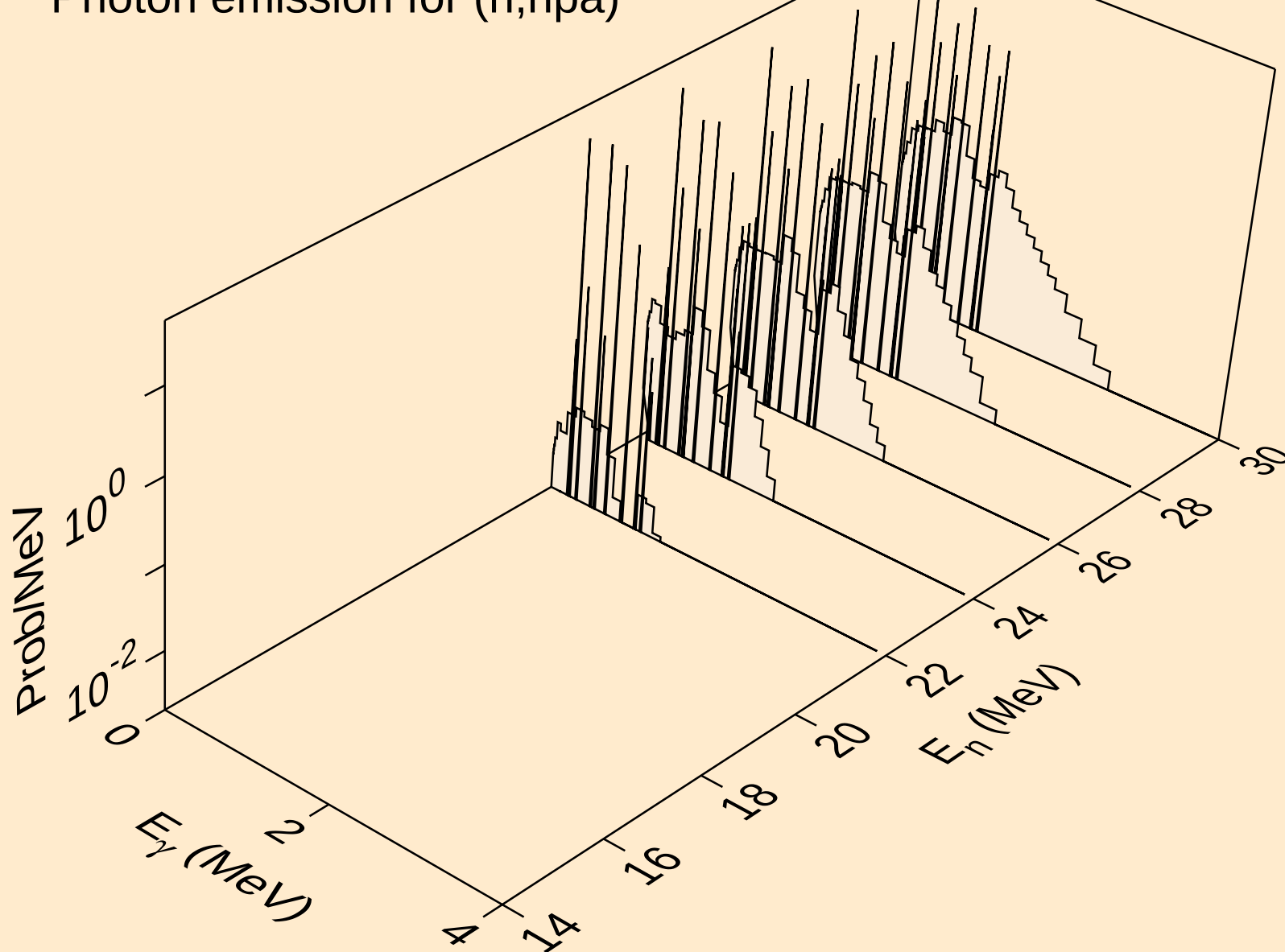
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



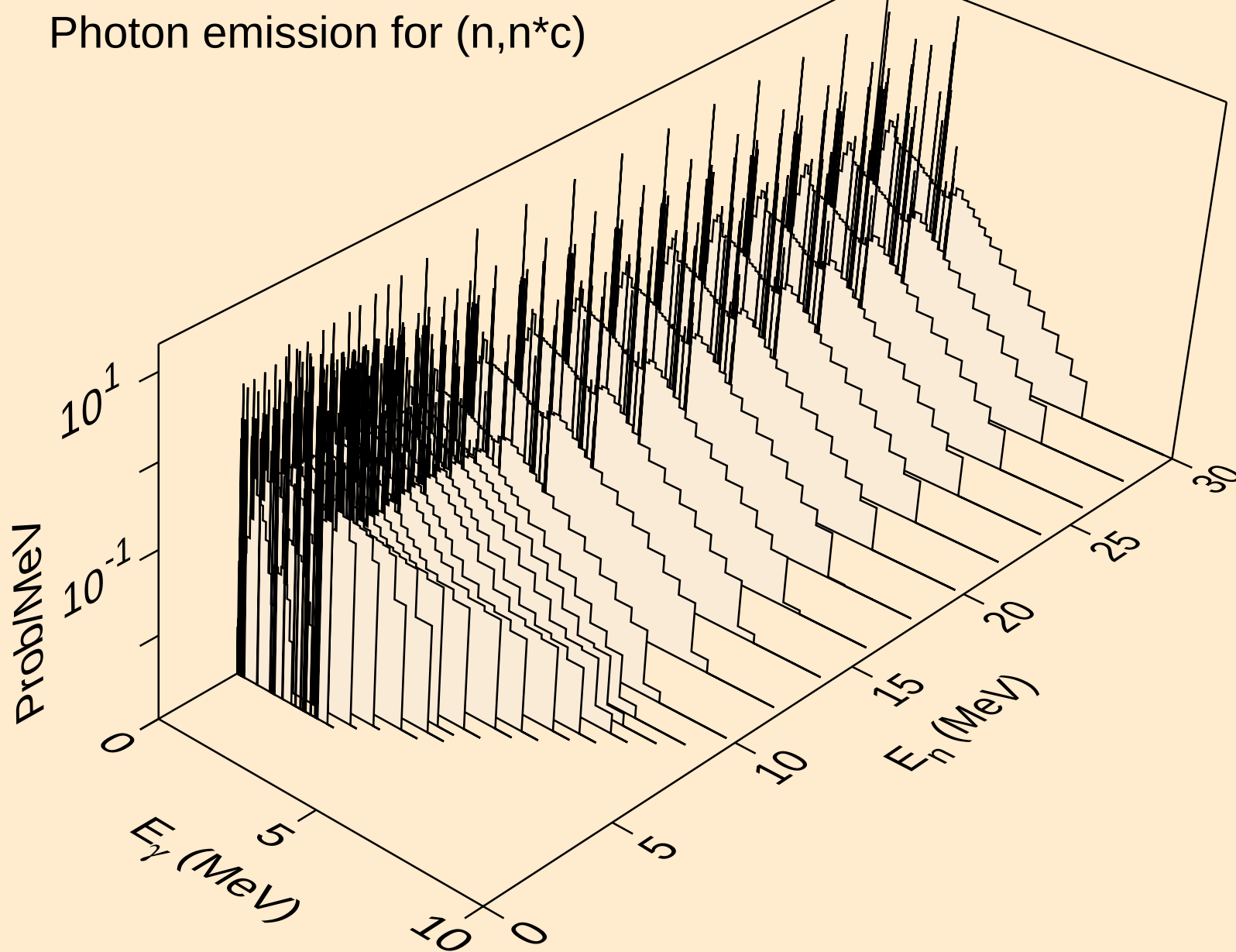
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



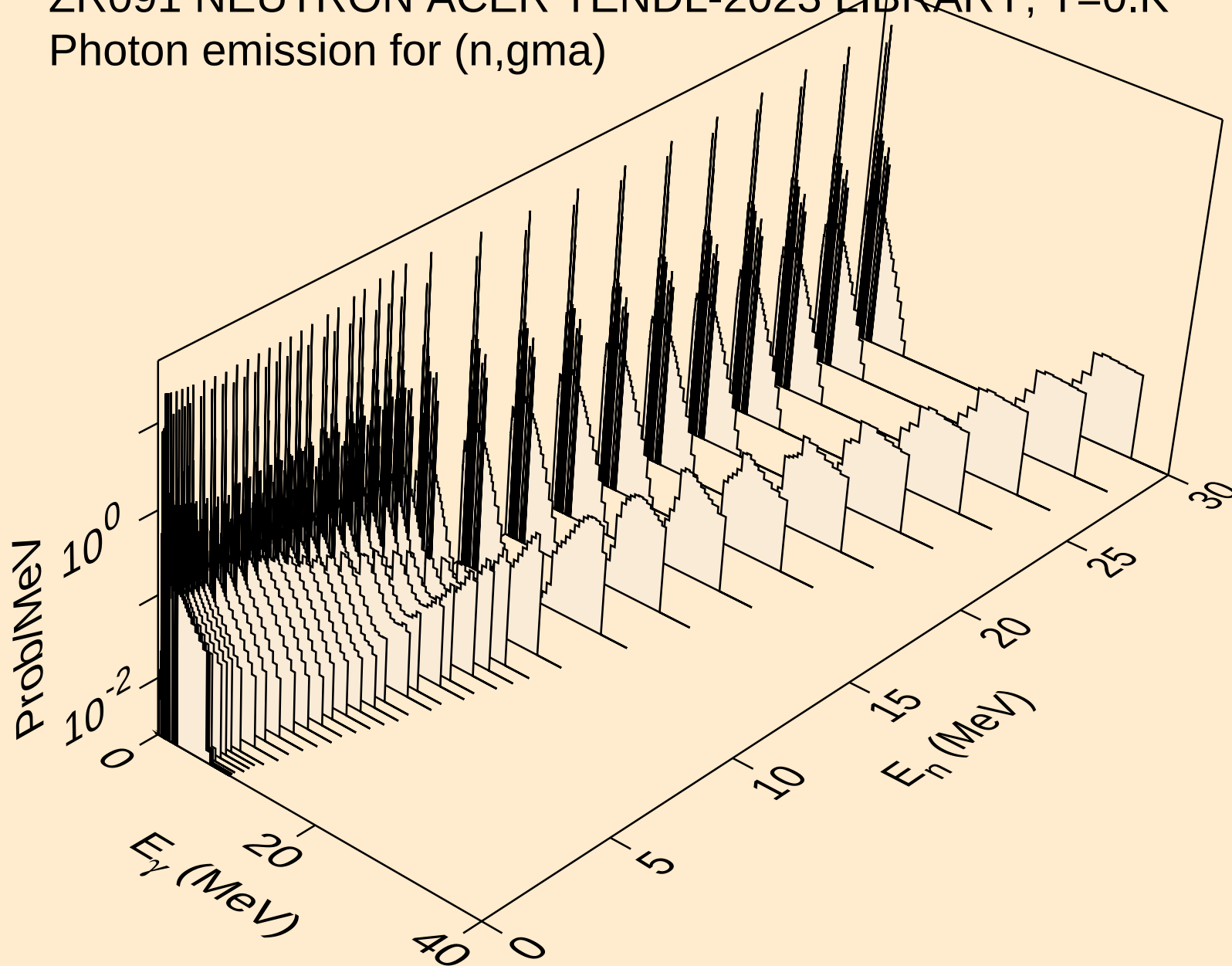
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



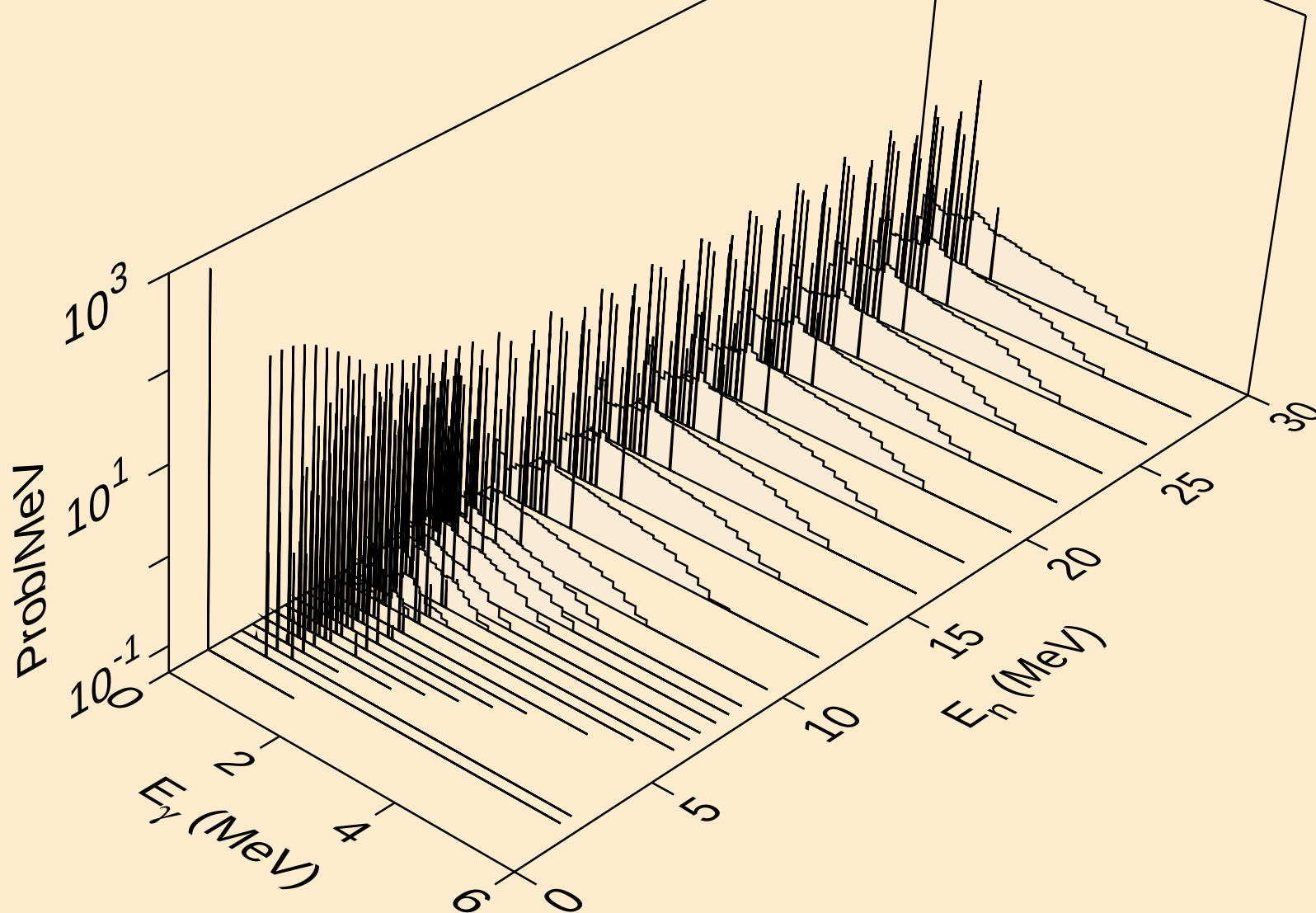
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



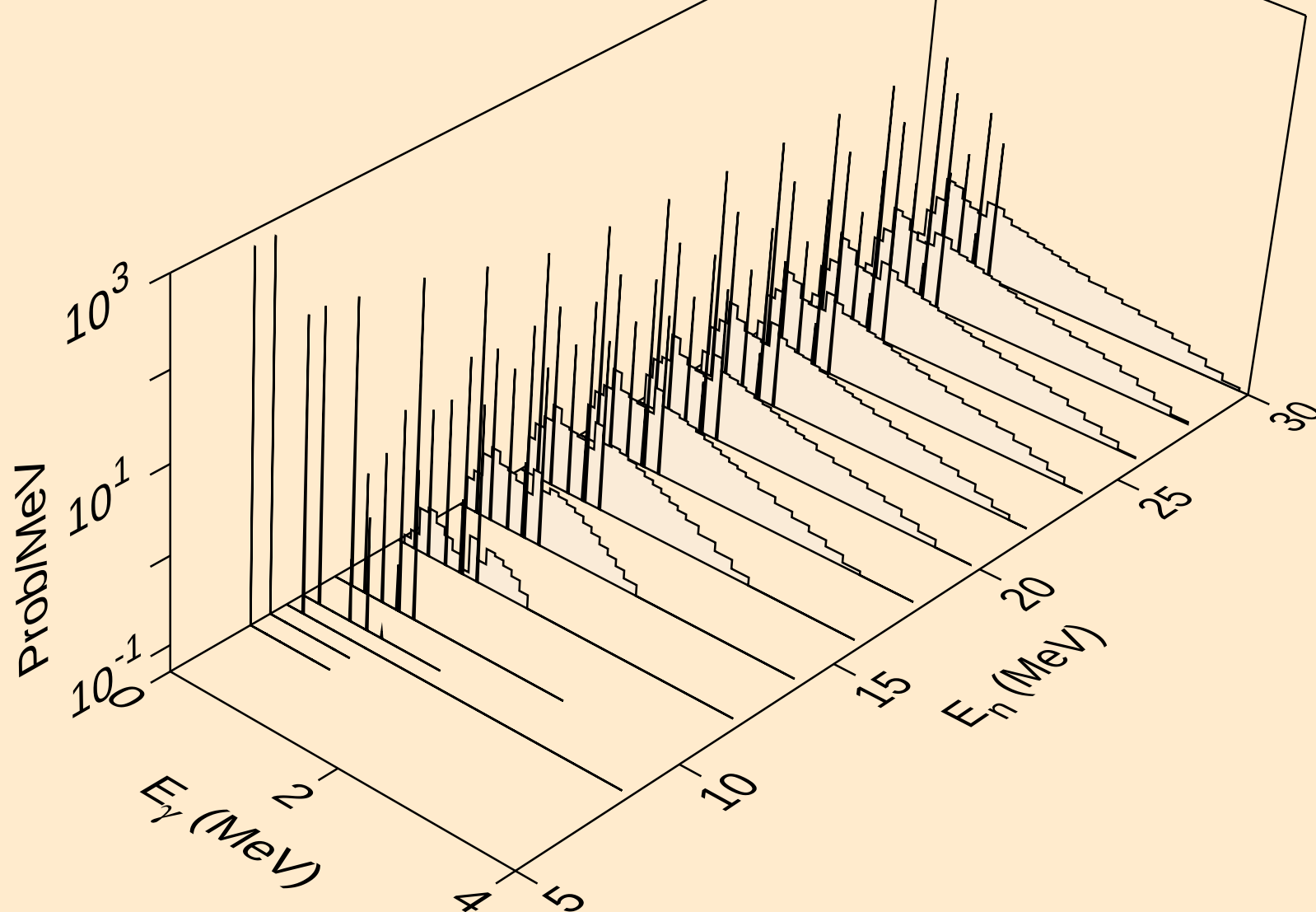
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



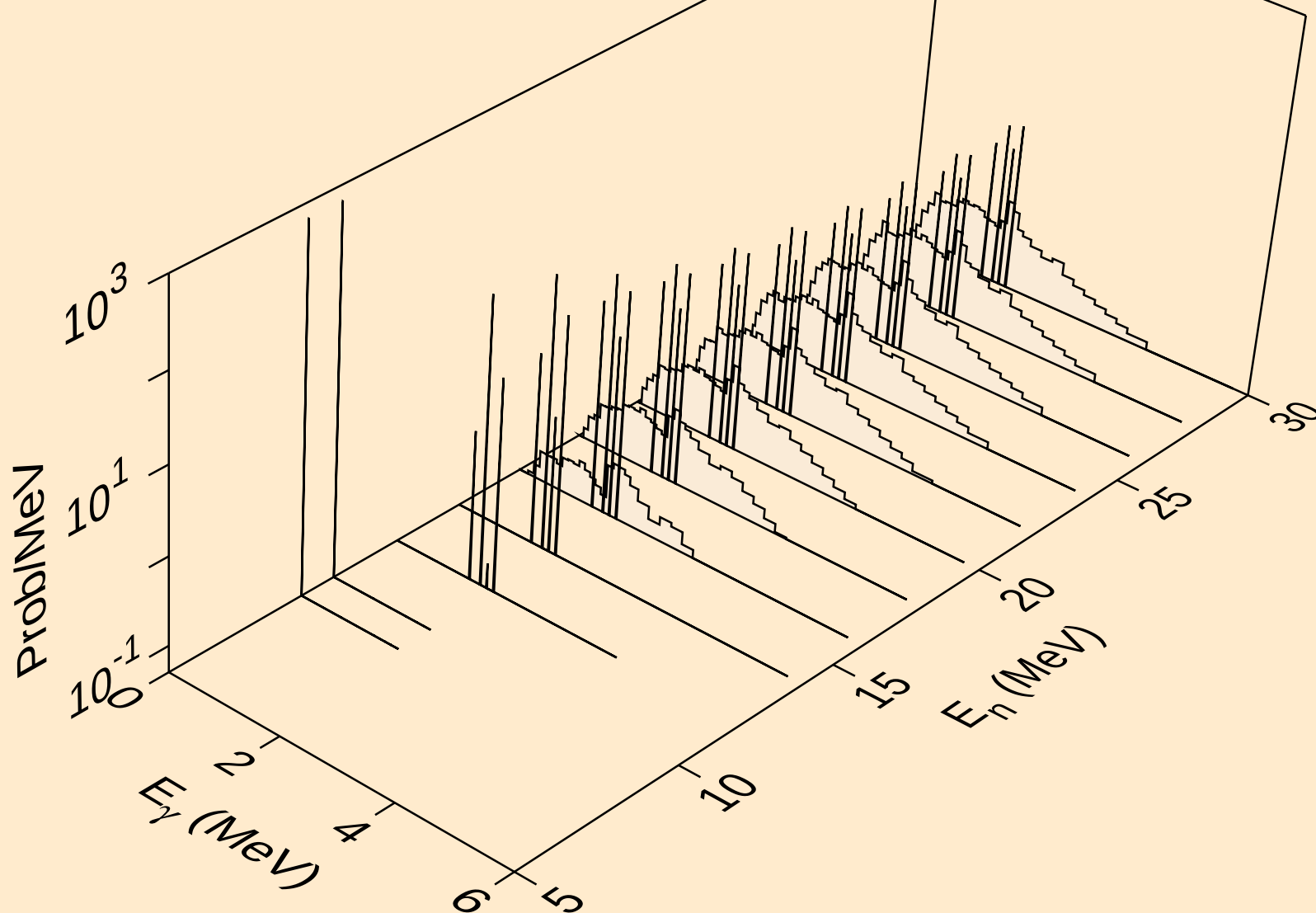
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



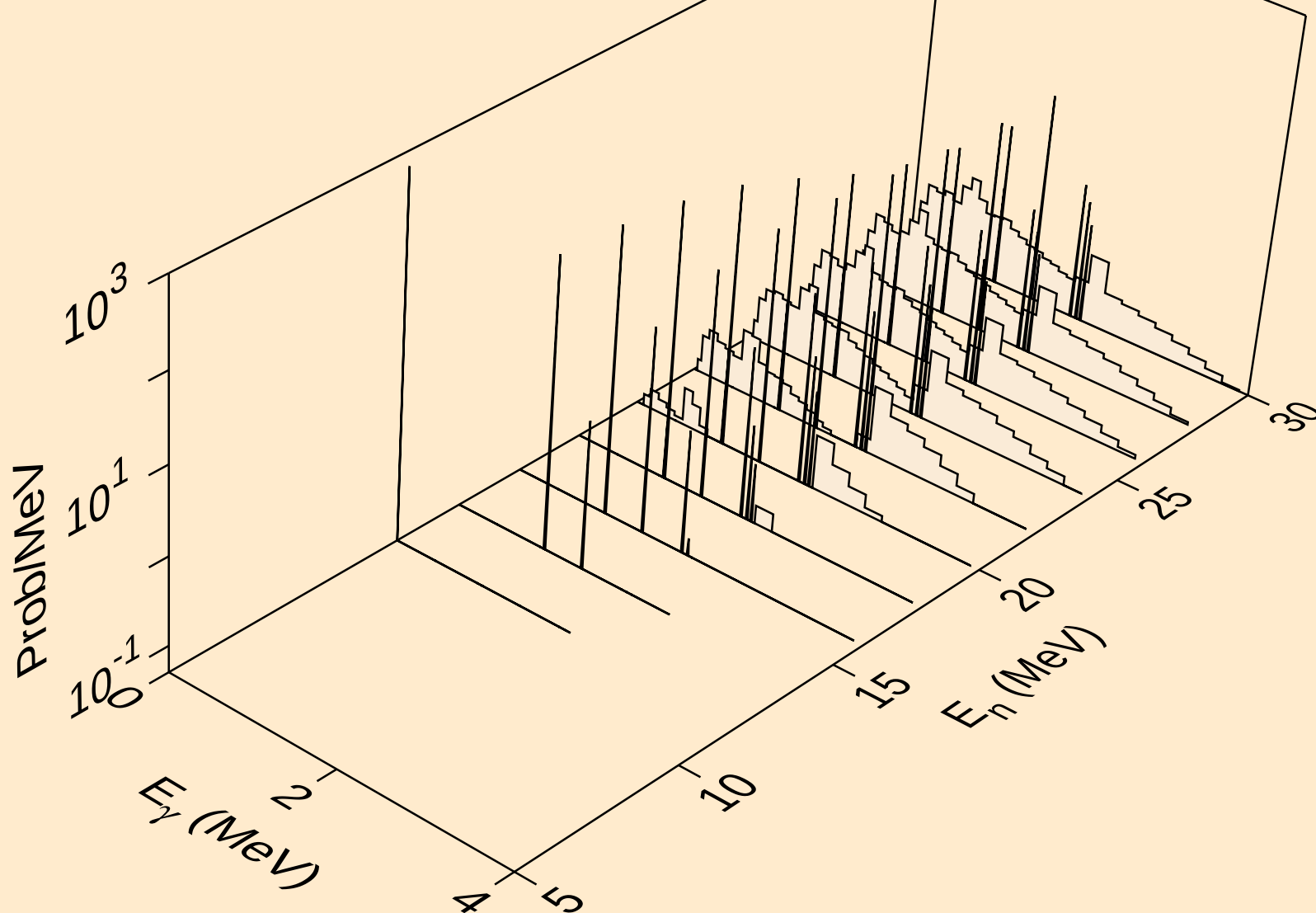
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



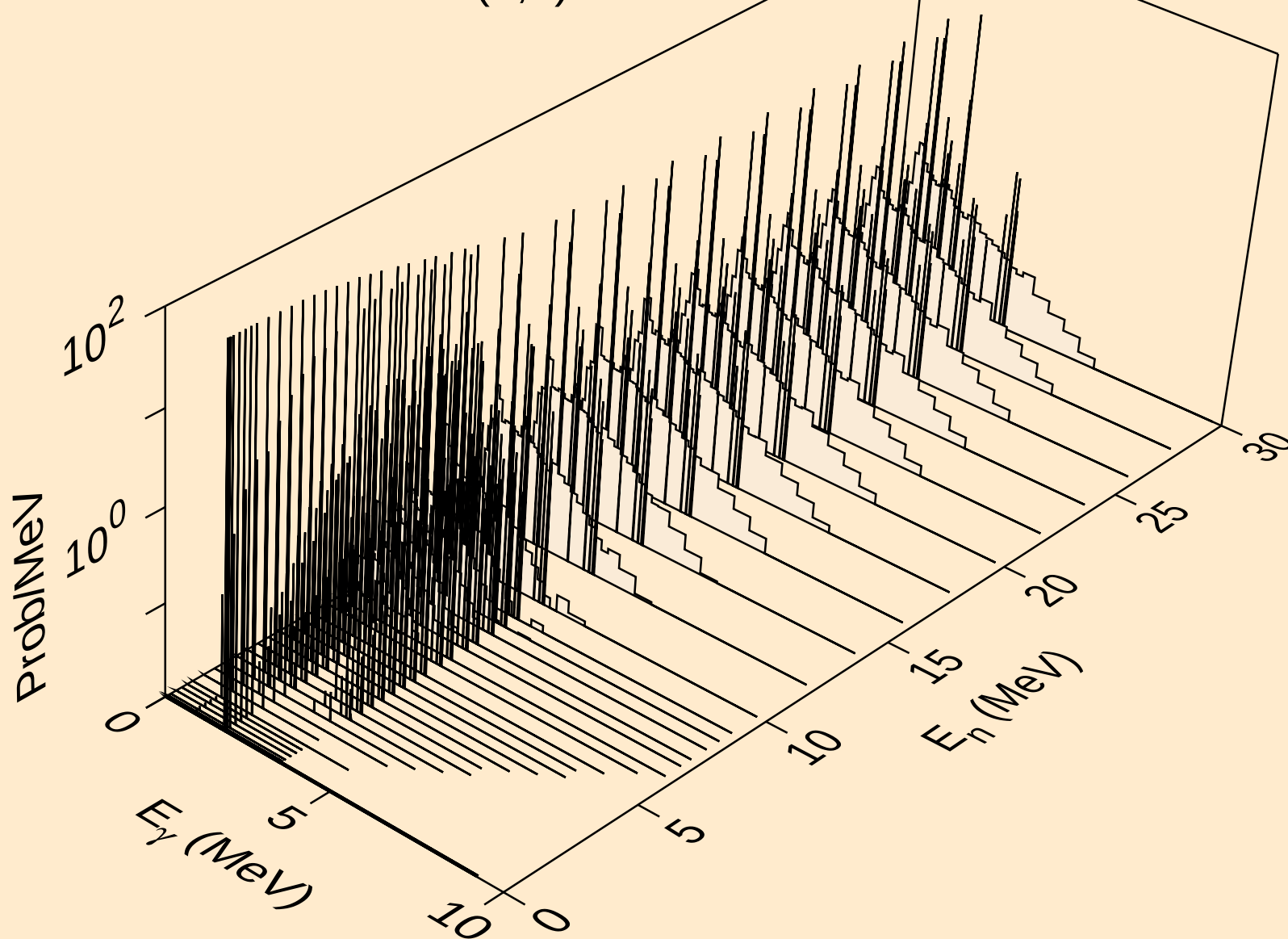
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



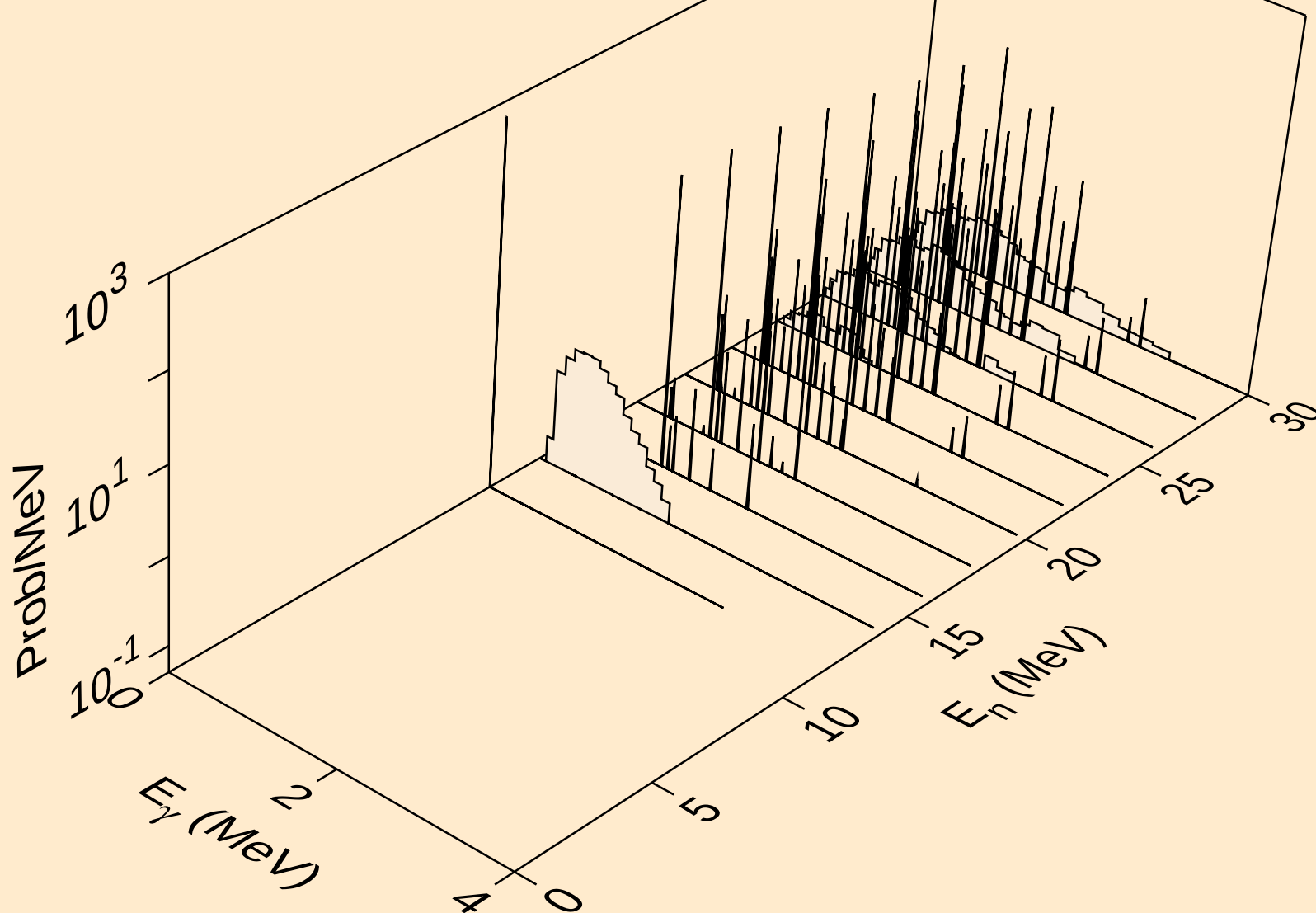
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



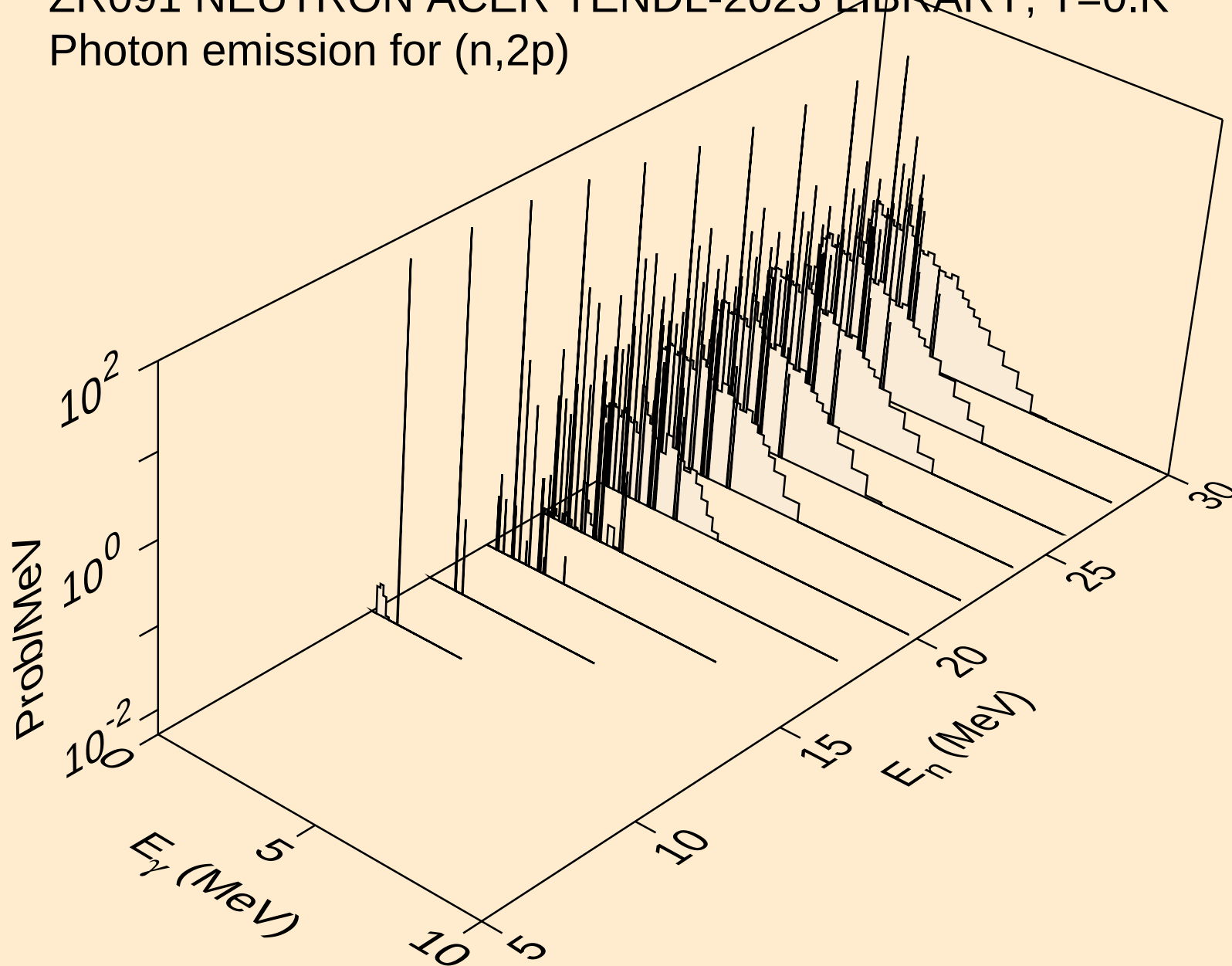
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



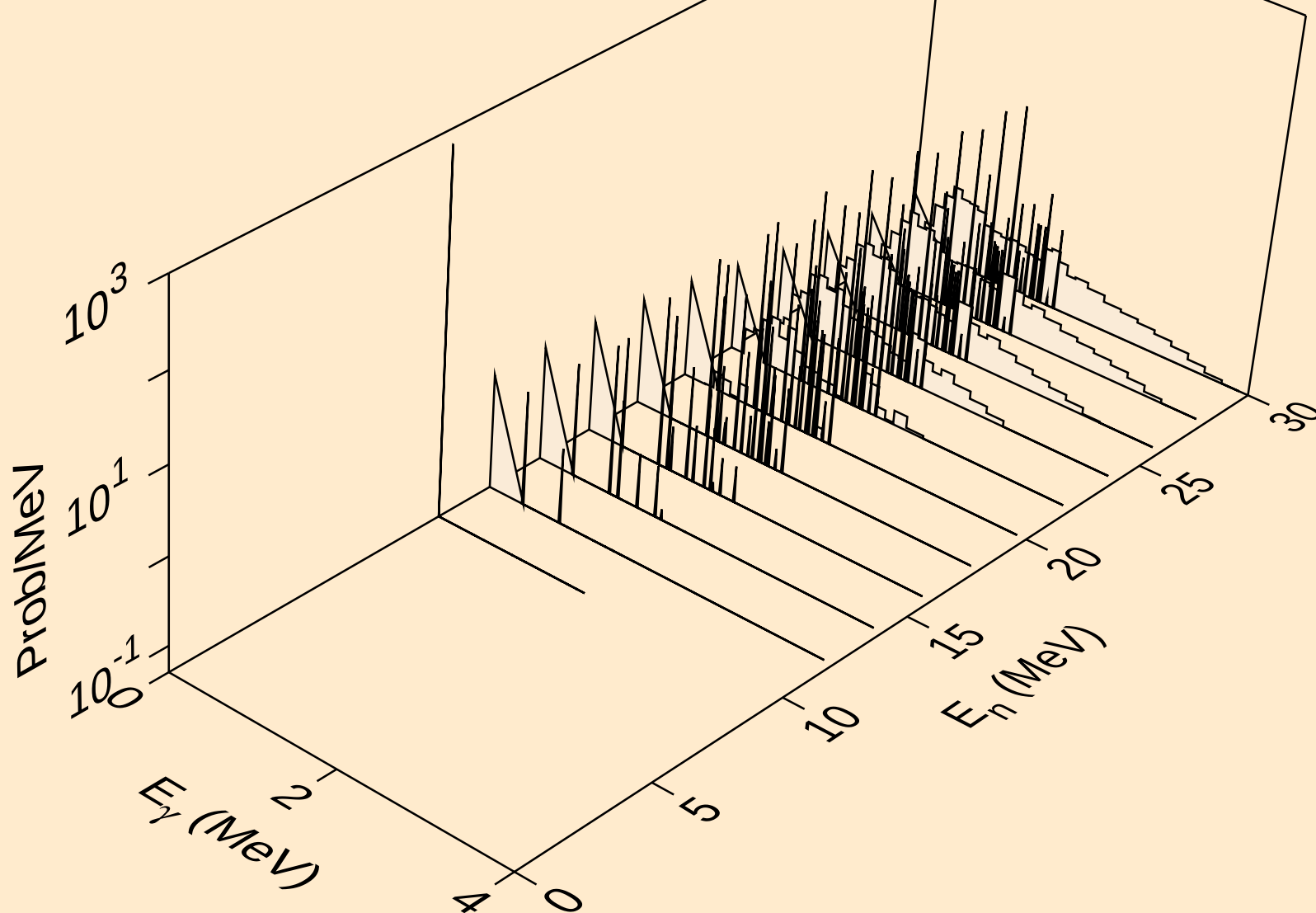
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



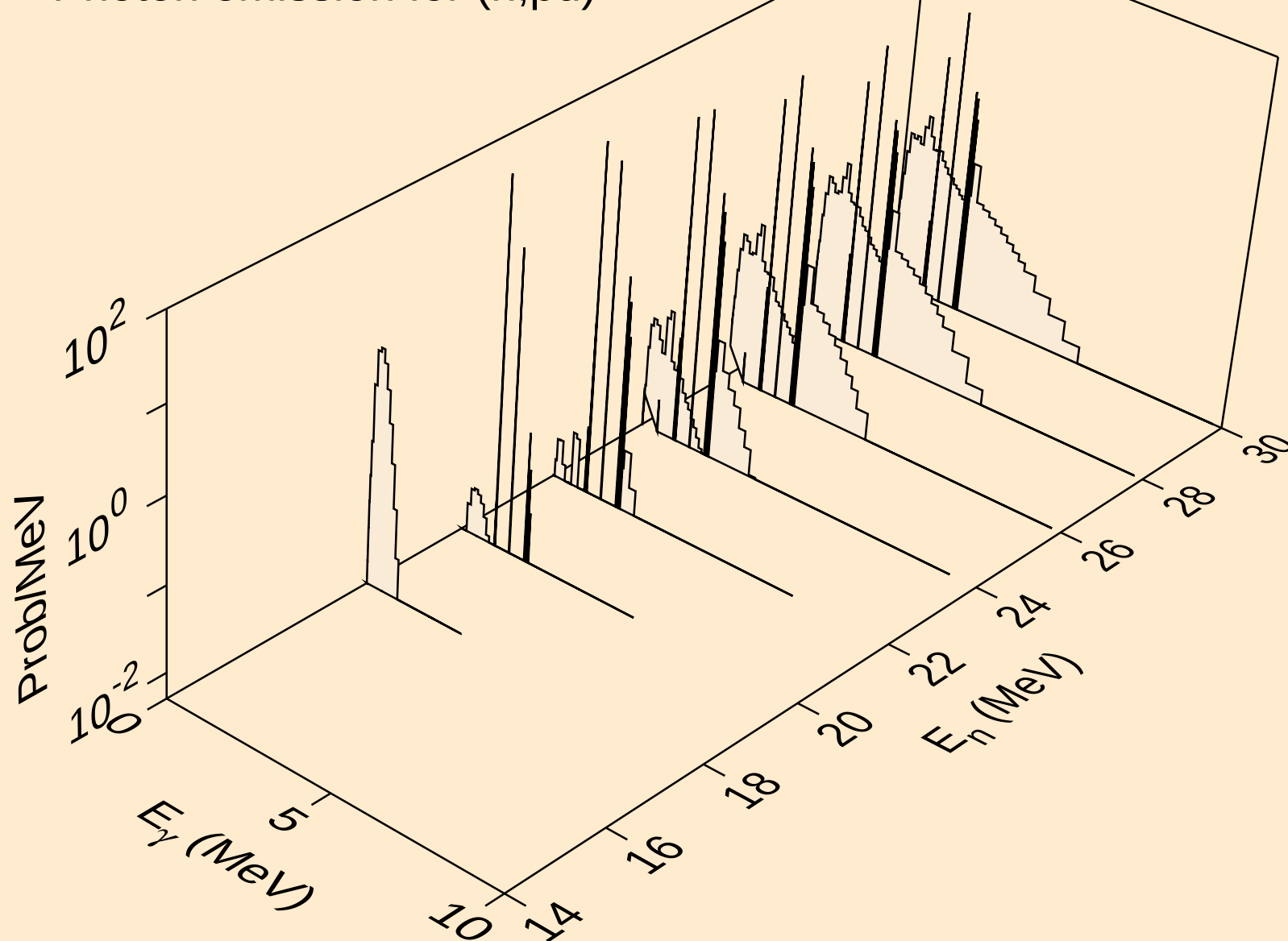
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



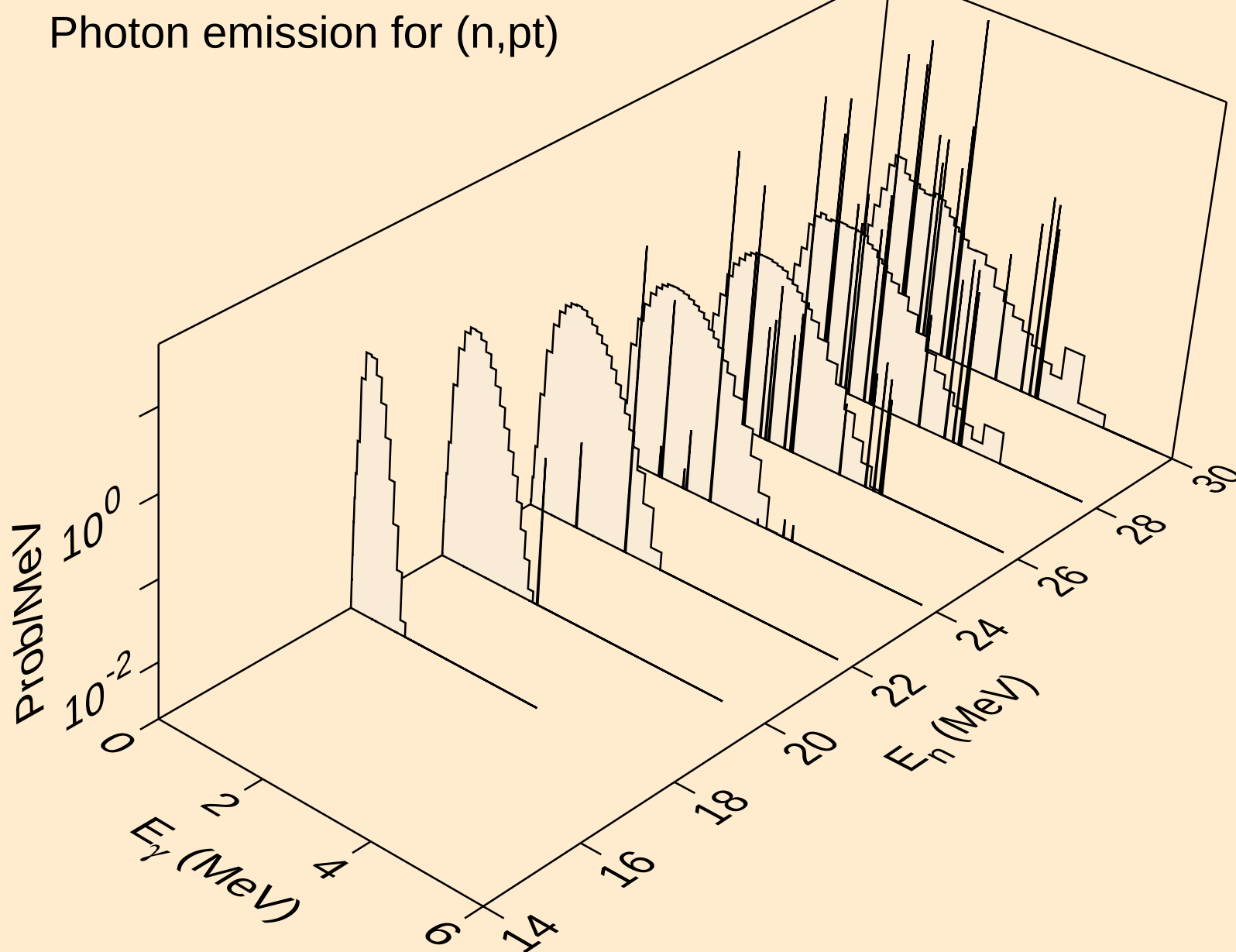
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



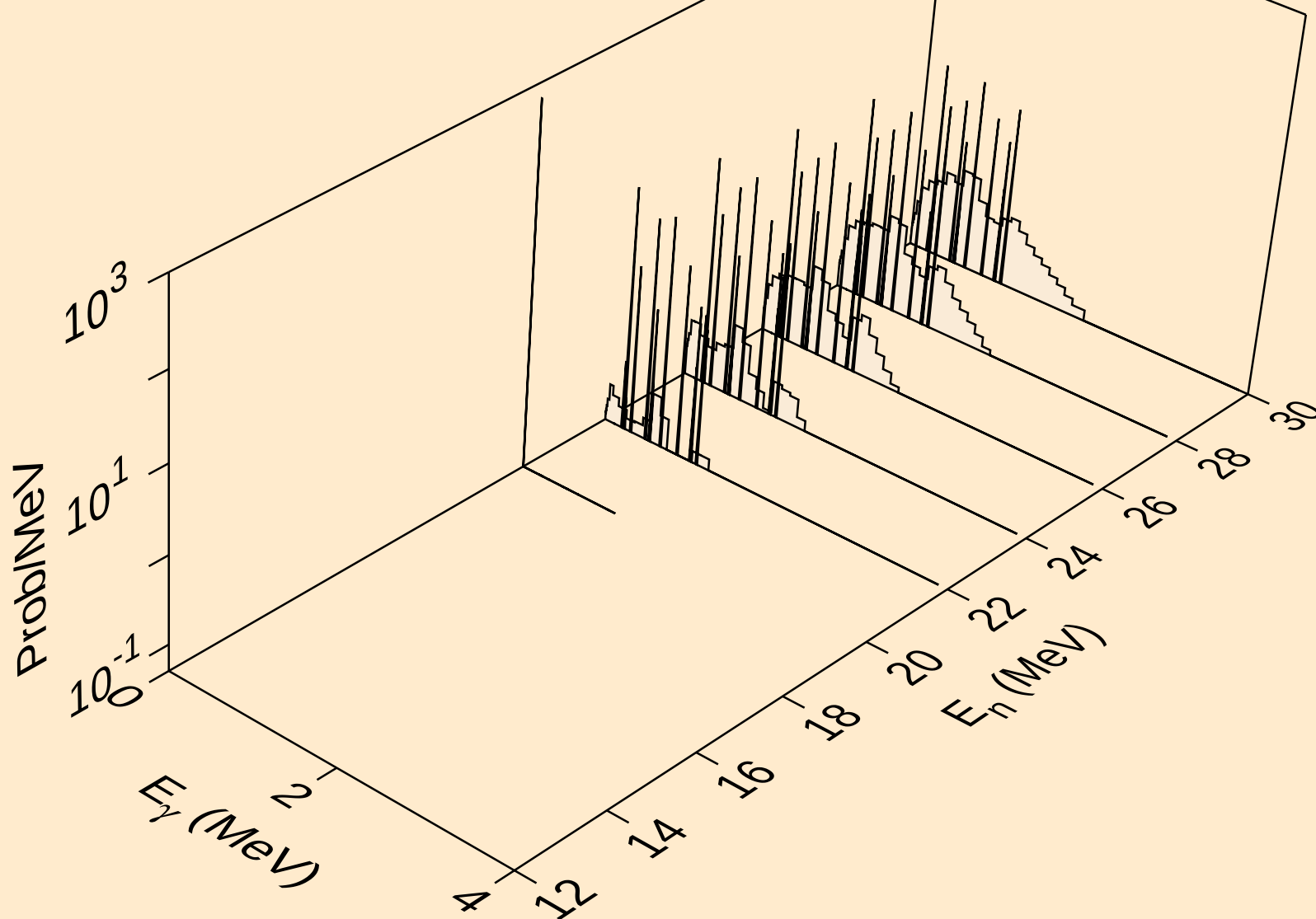
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



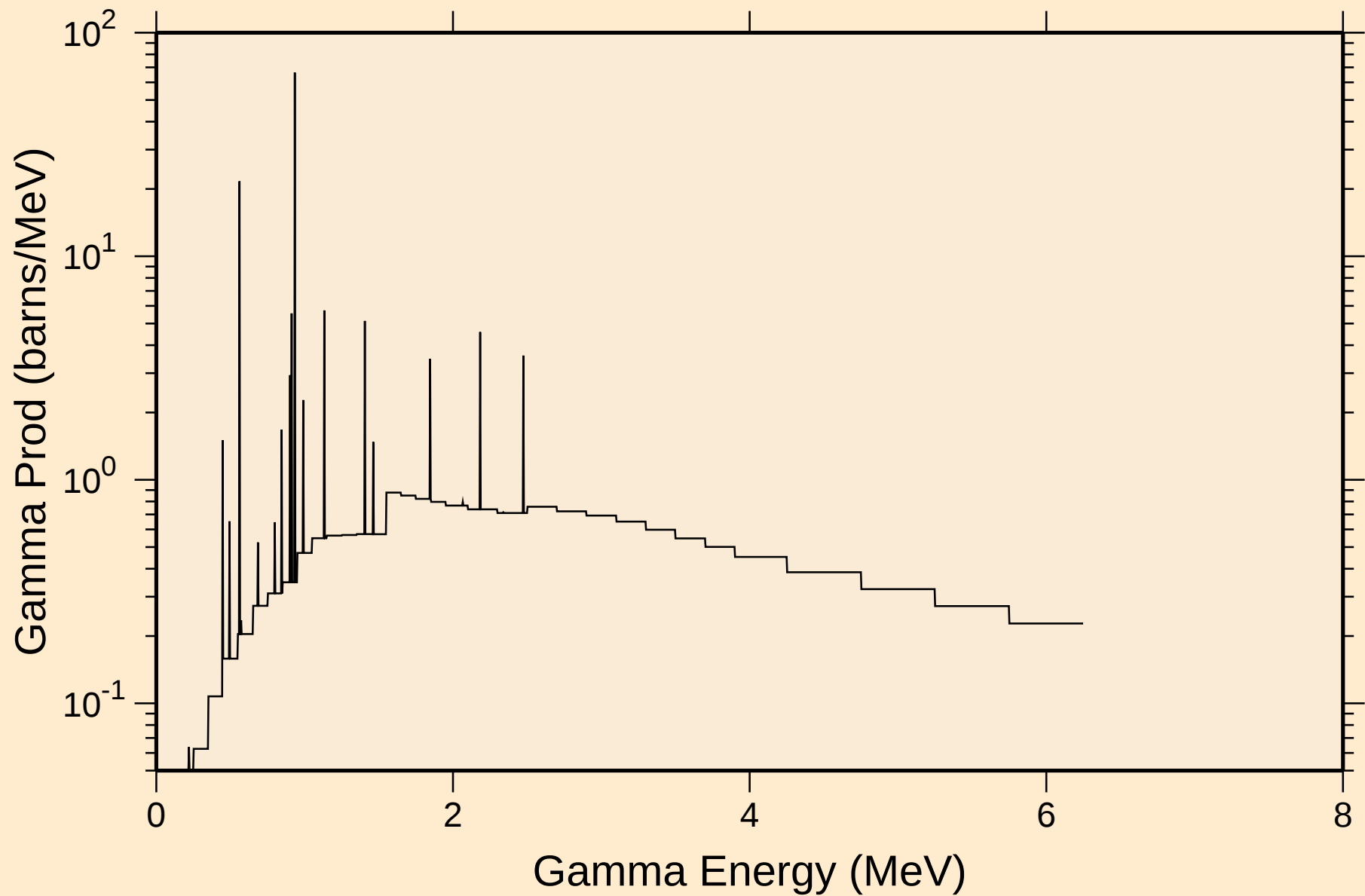
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



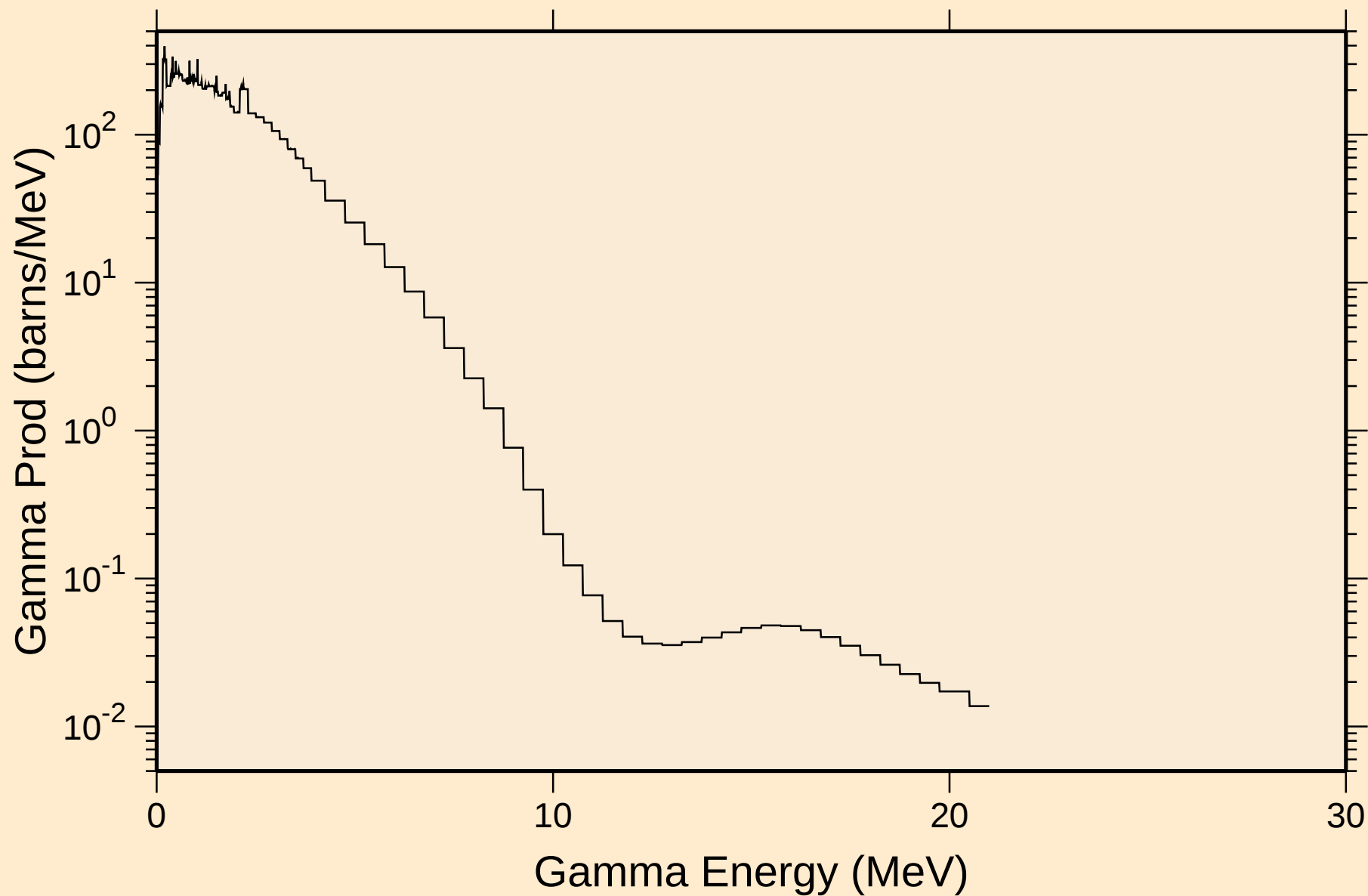
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

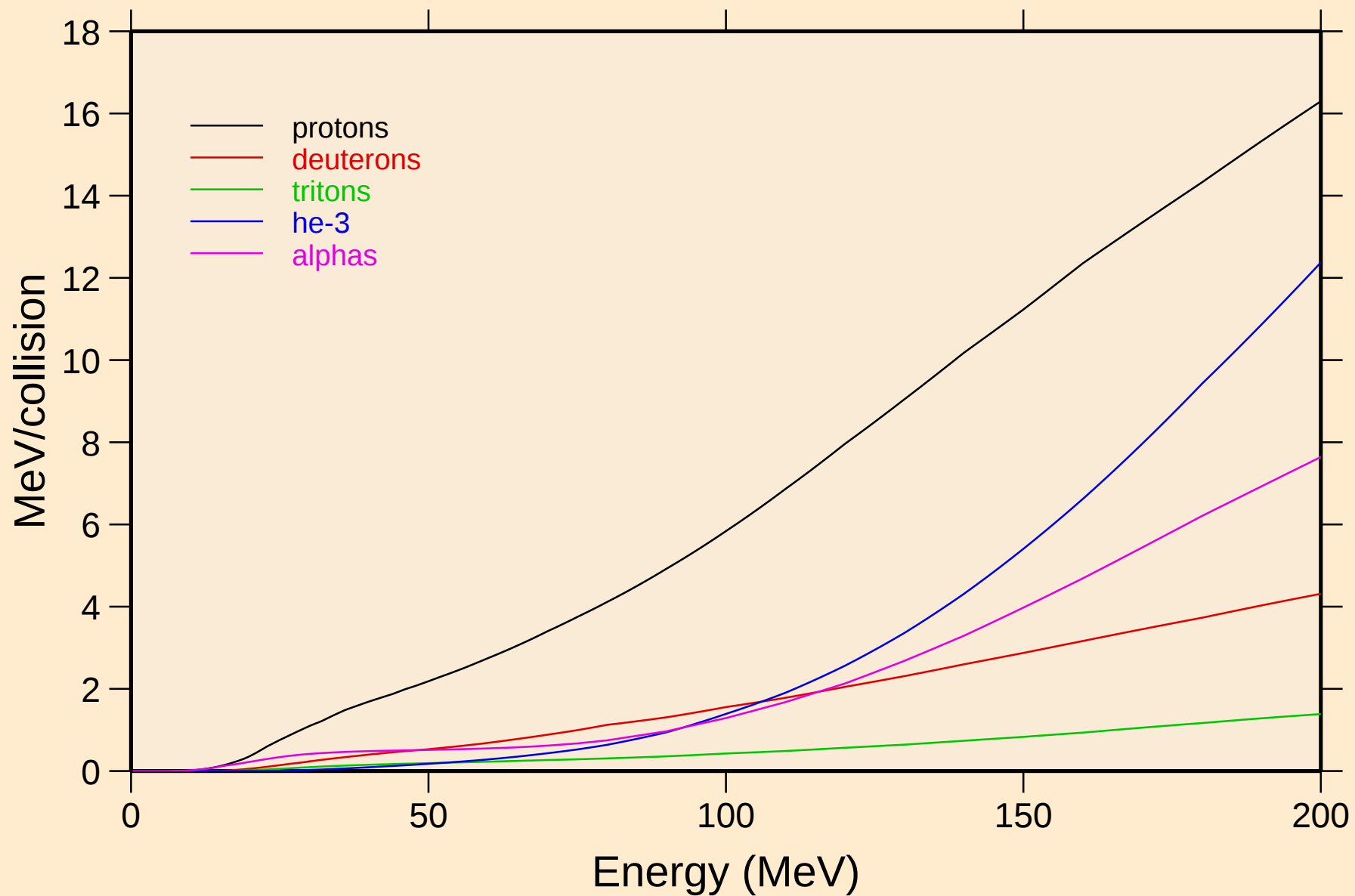


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

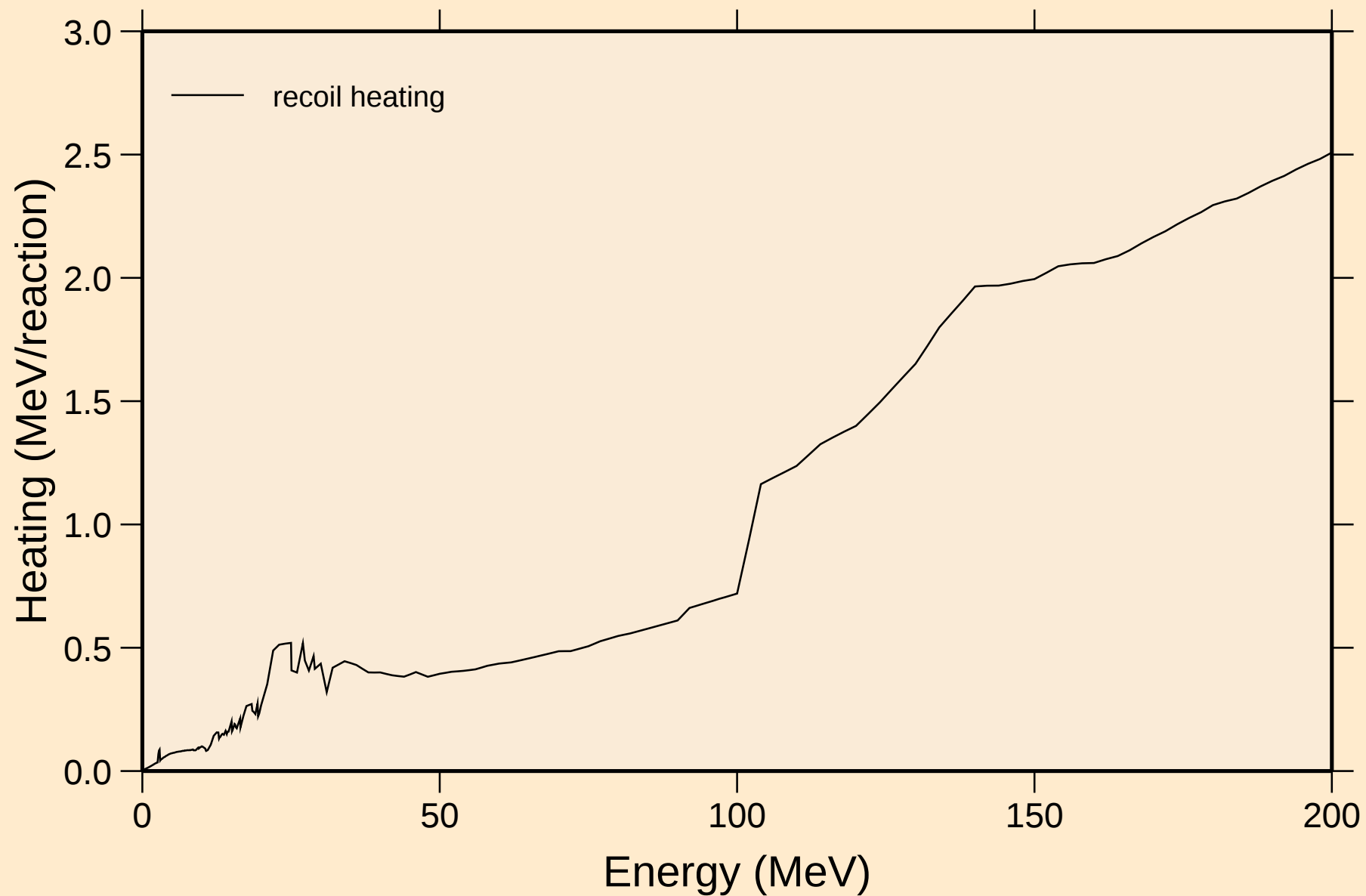


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

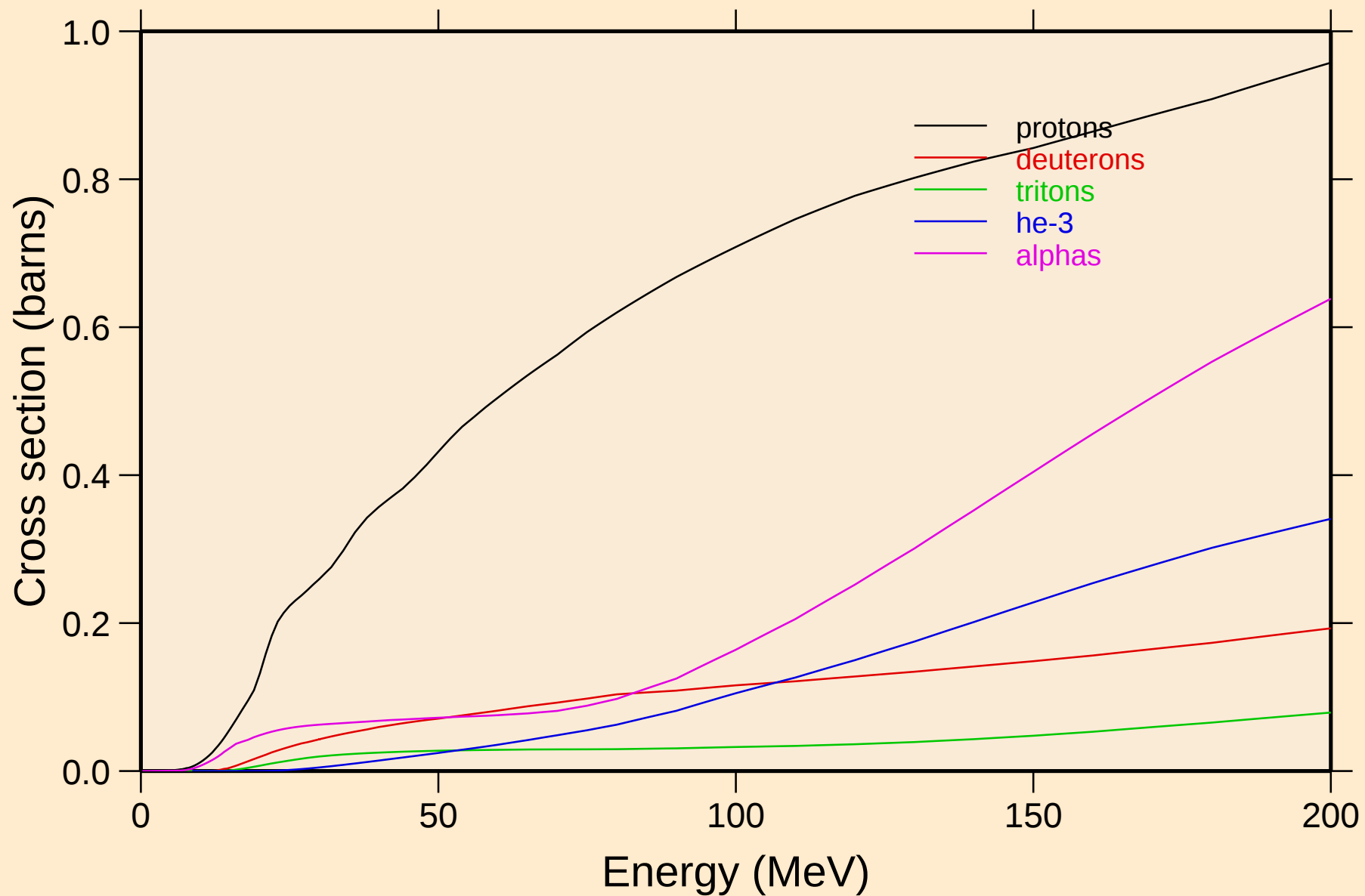


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

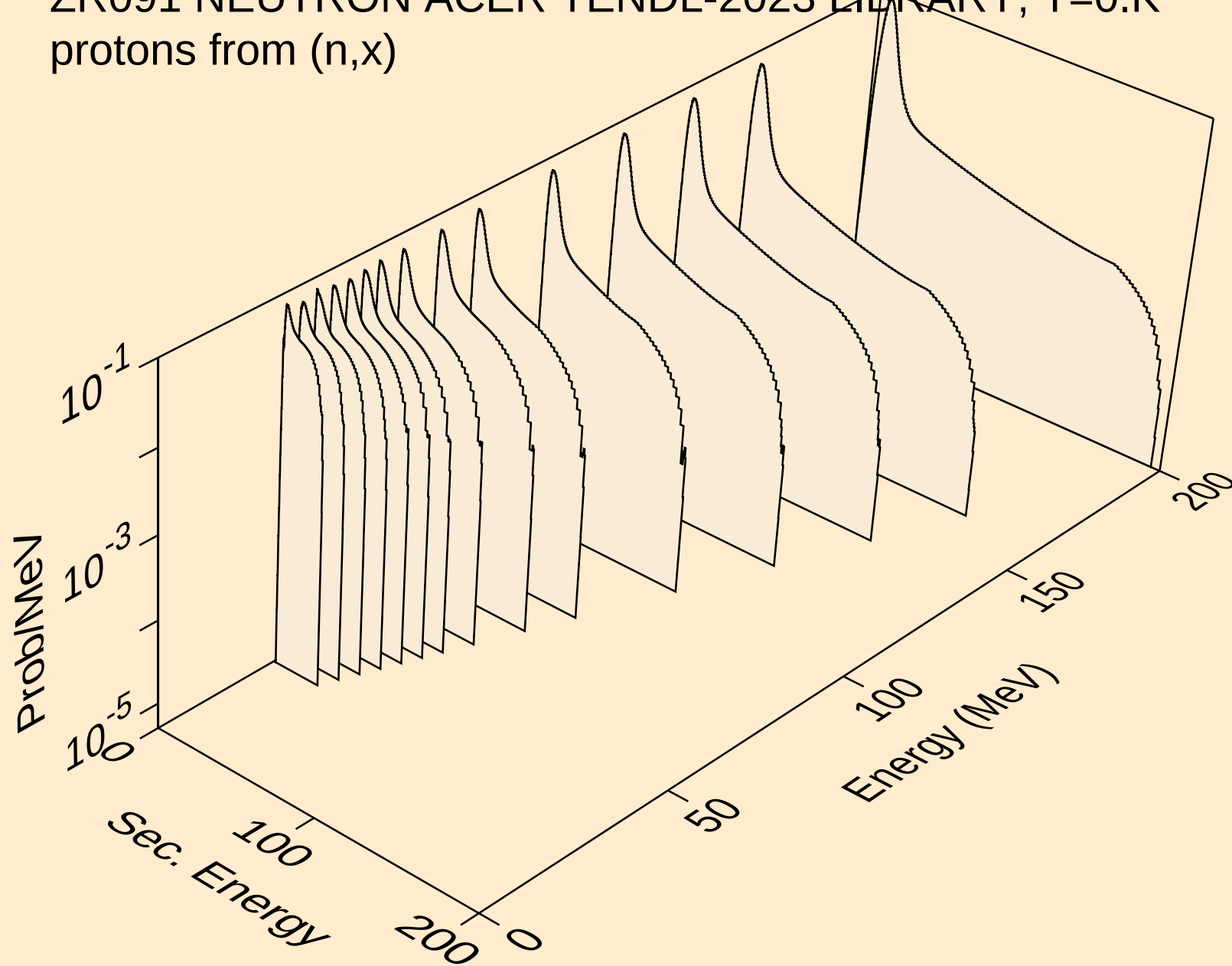


ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

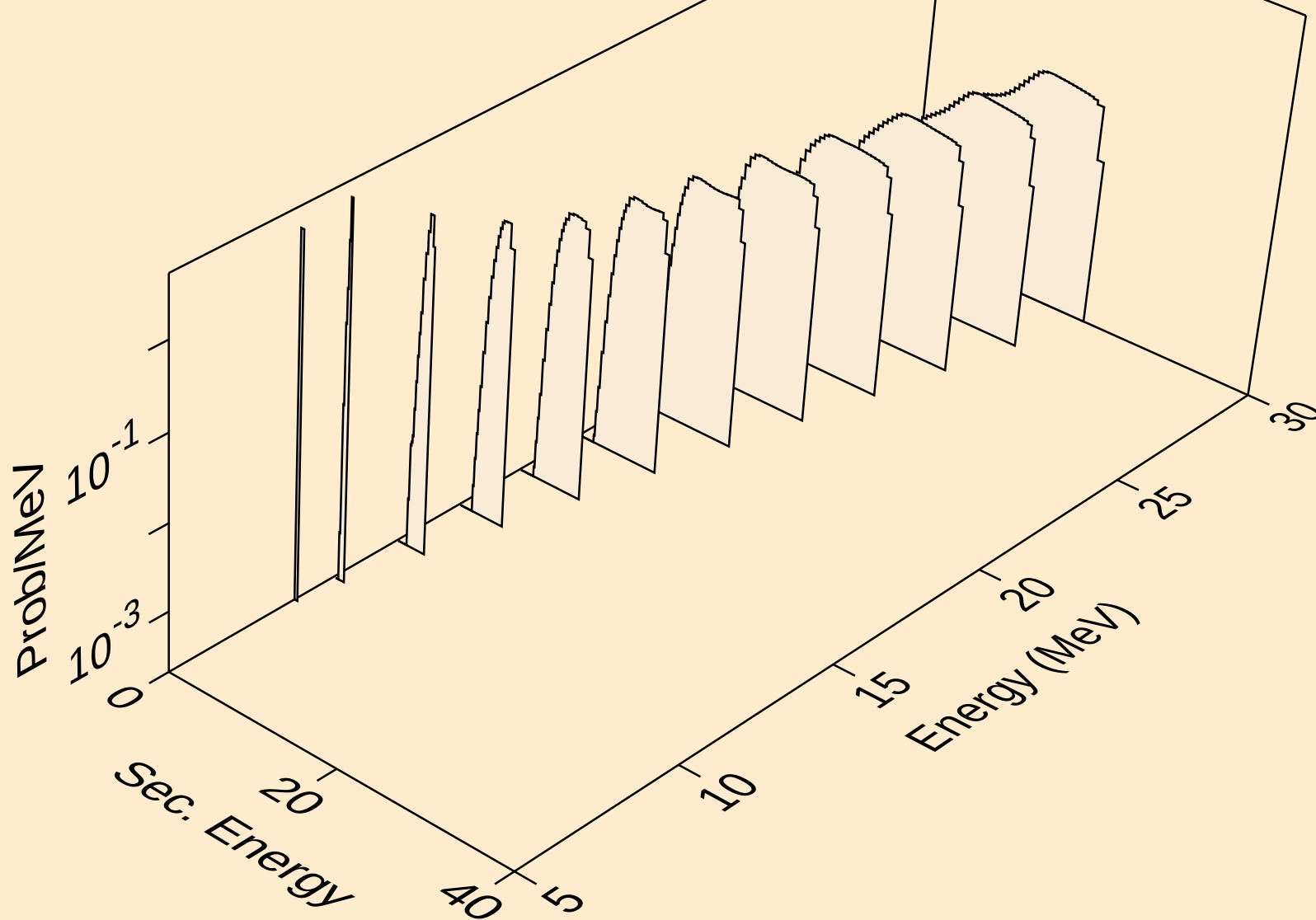
Particle production cross sections



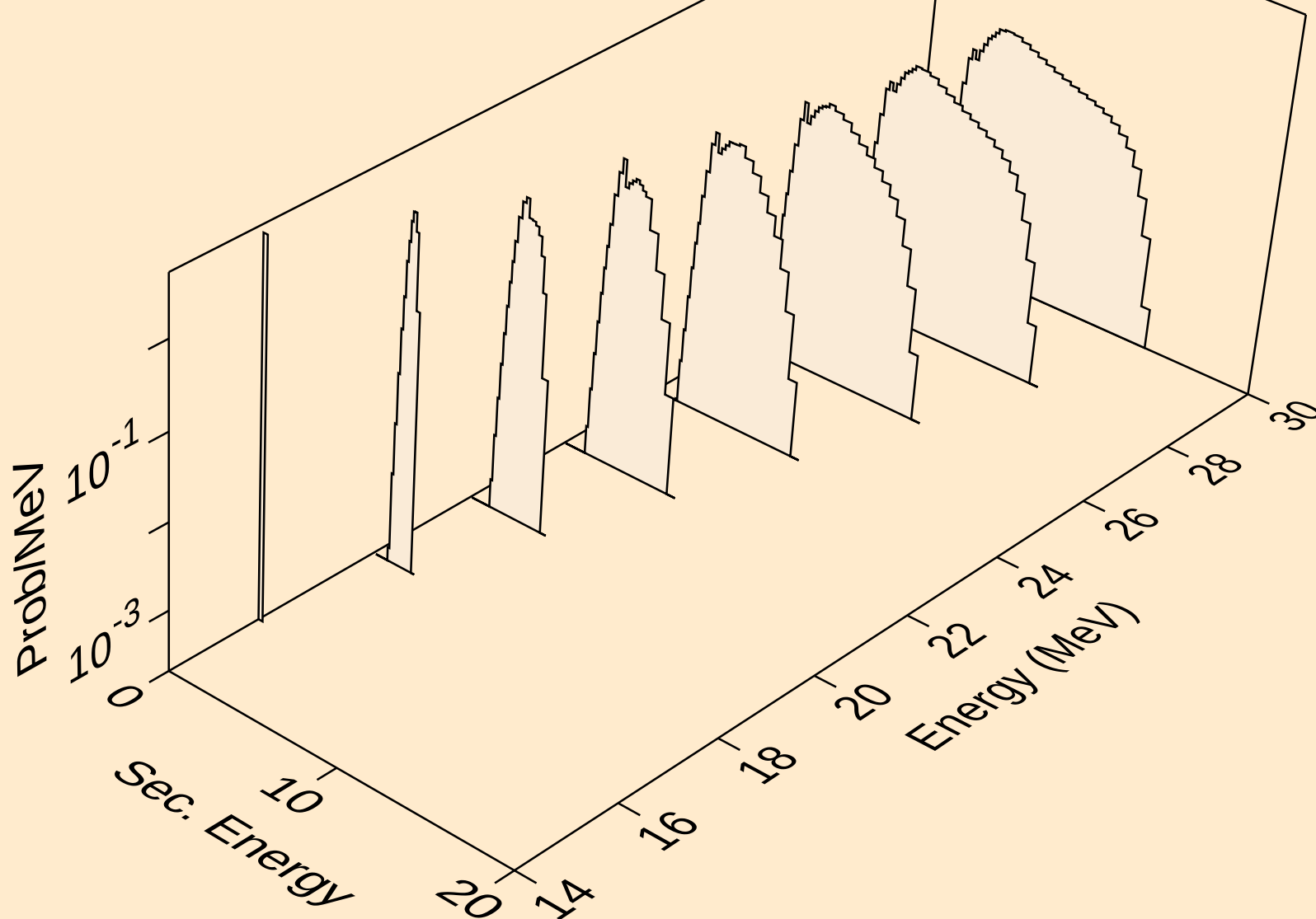
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



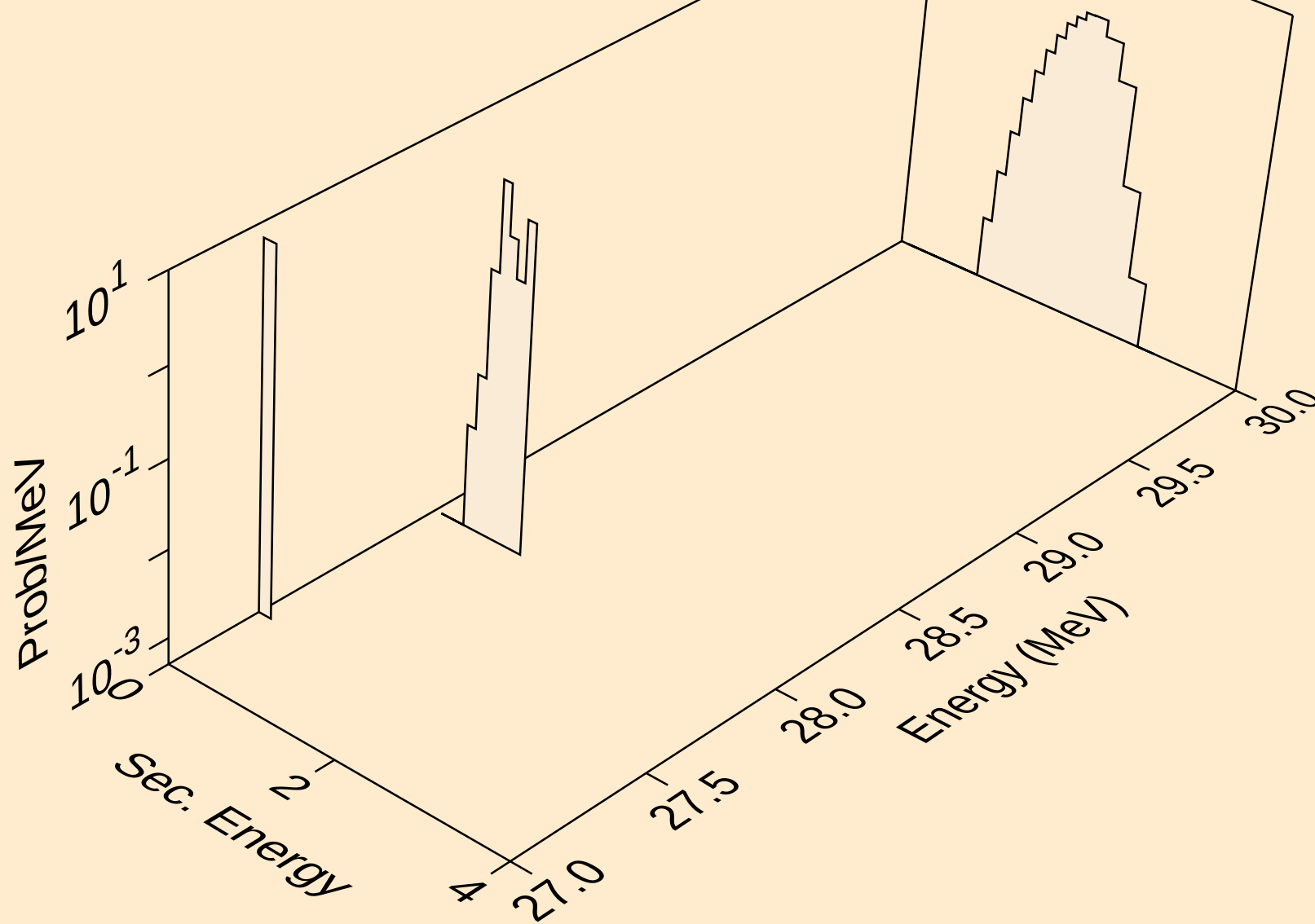
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



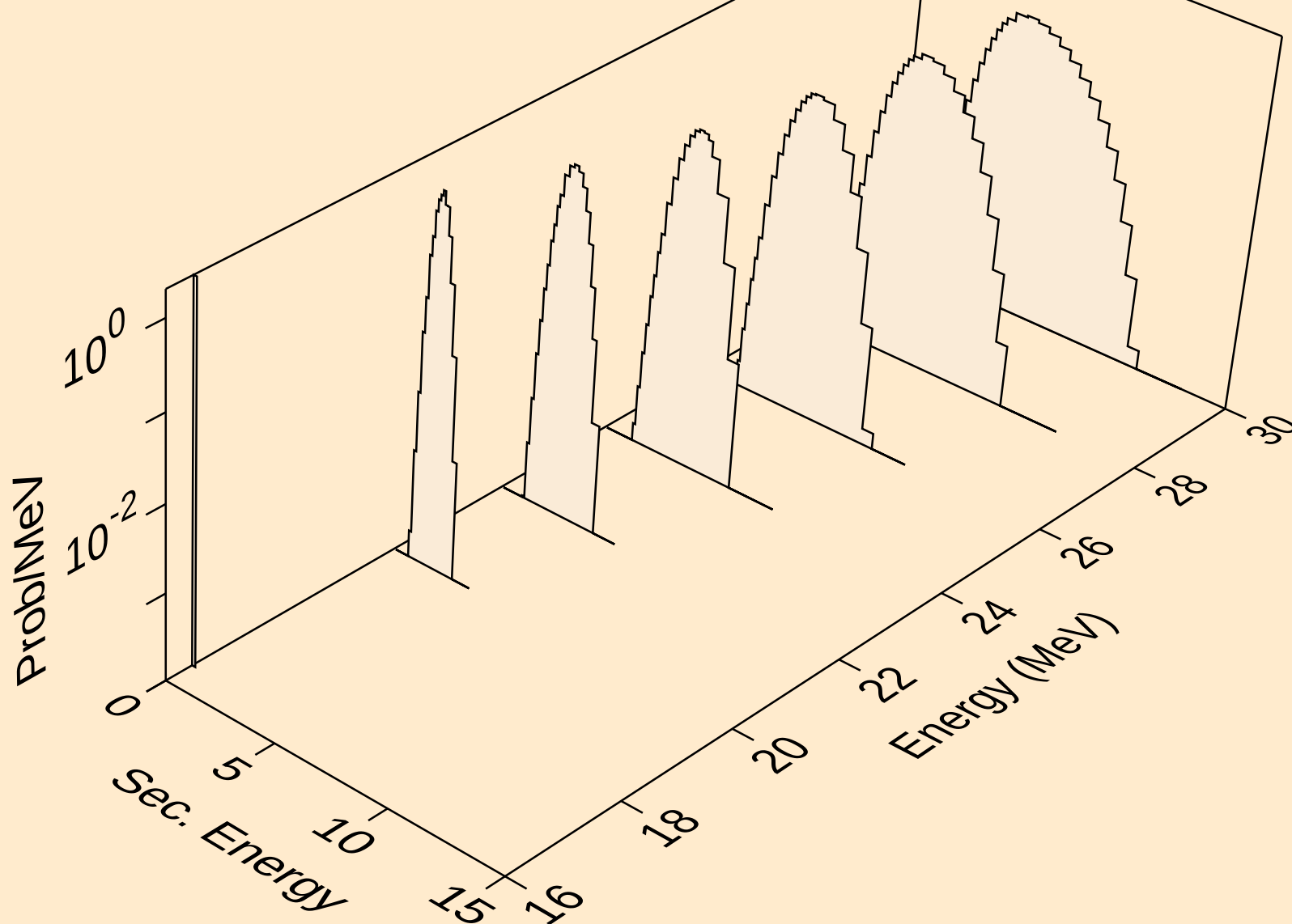
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



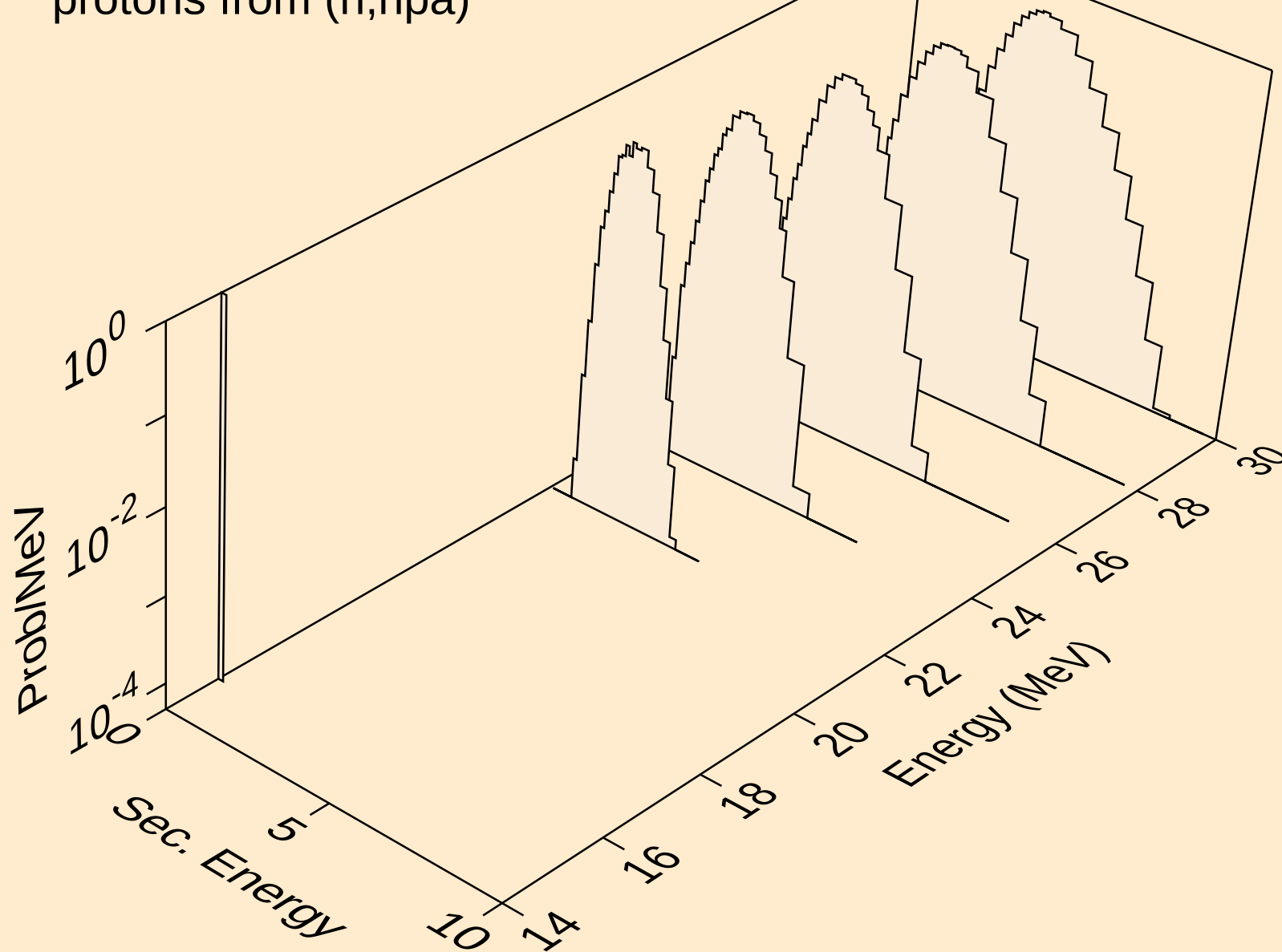
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



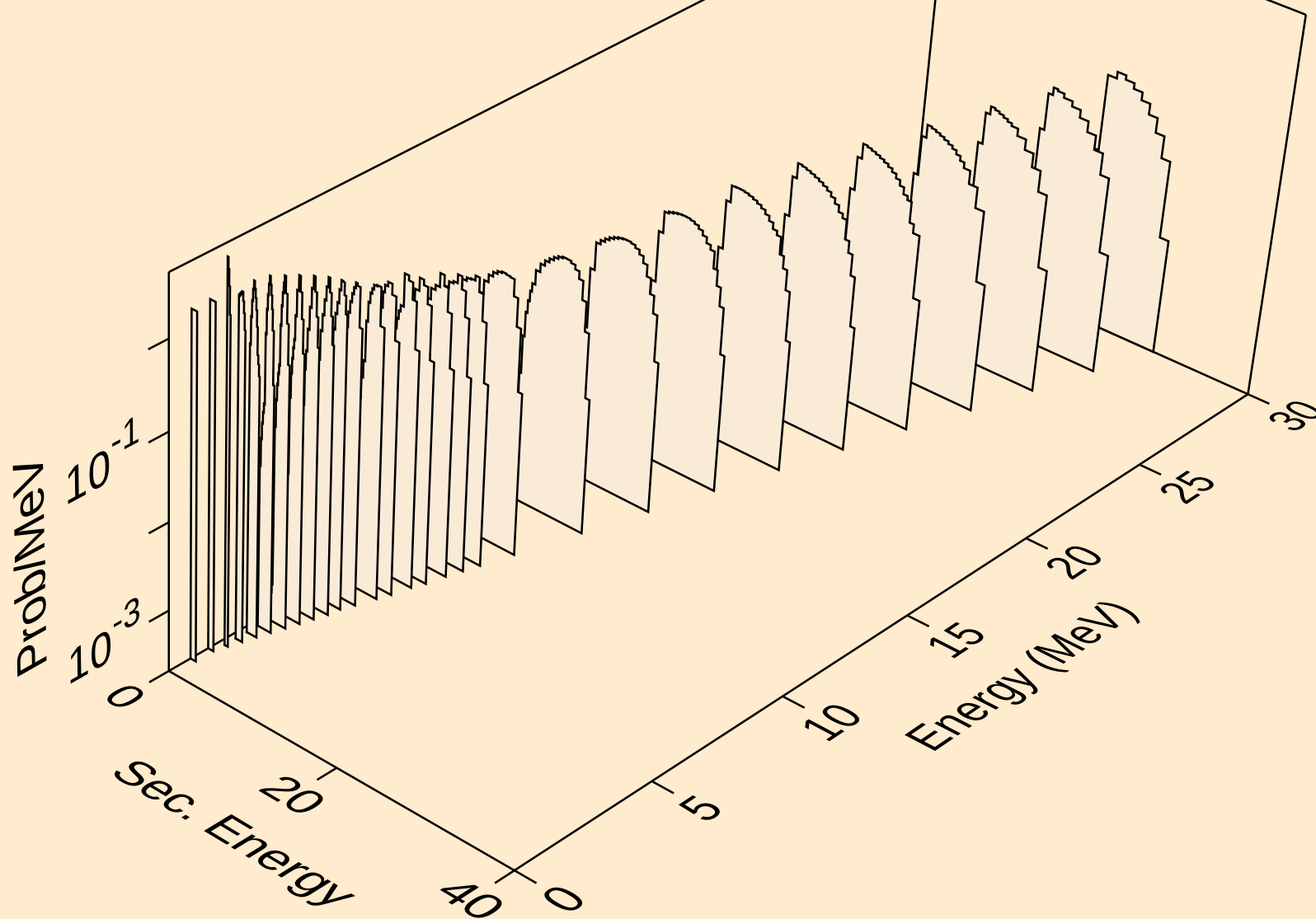
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n2p)



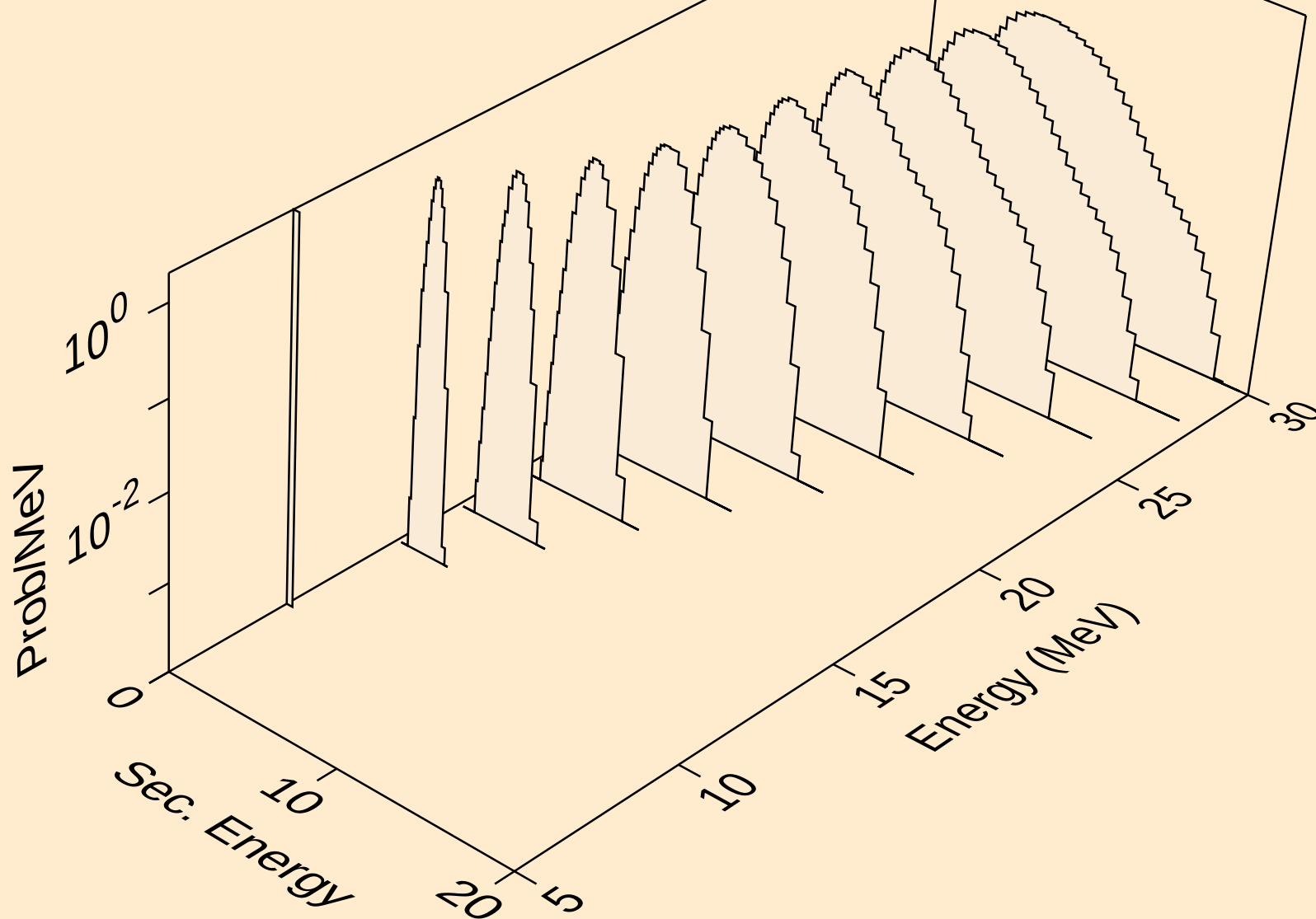
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



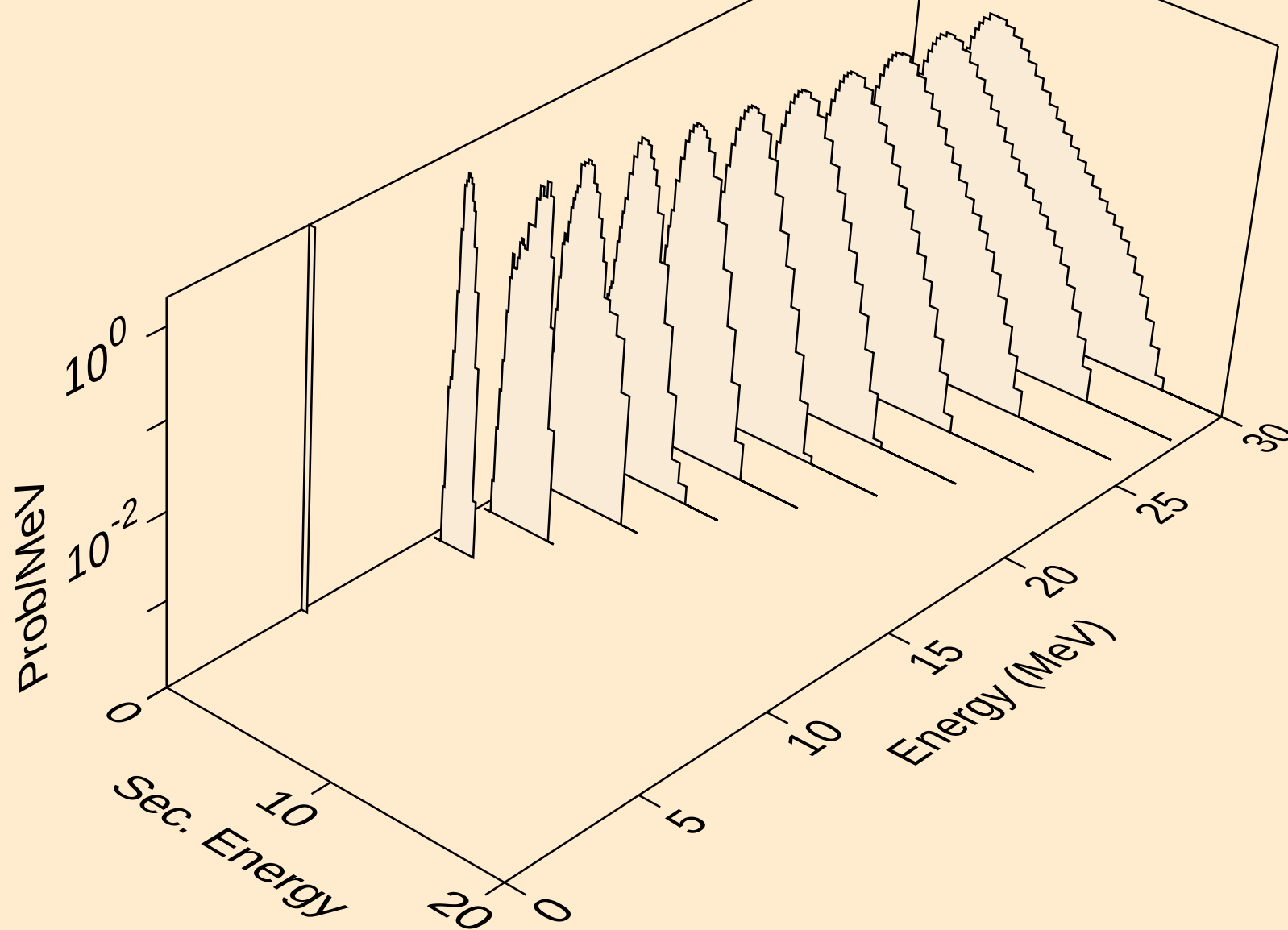
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



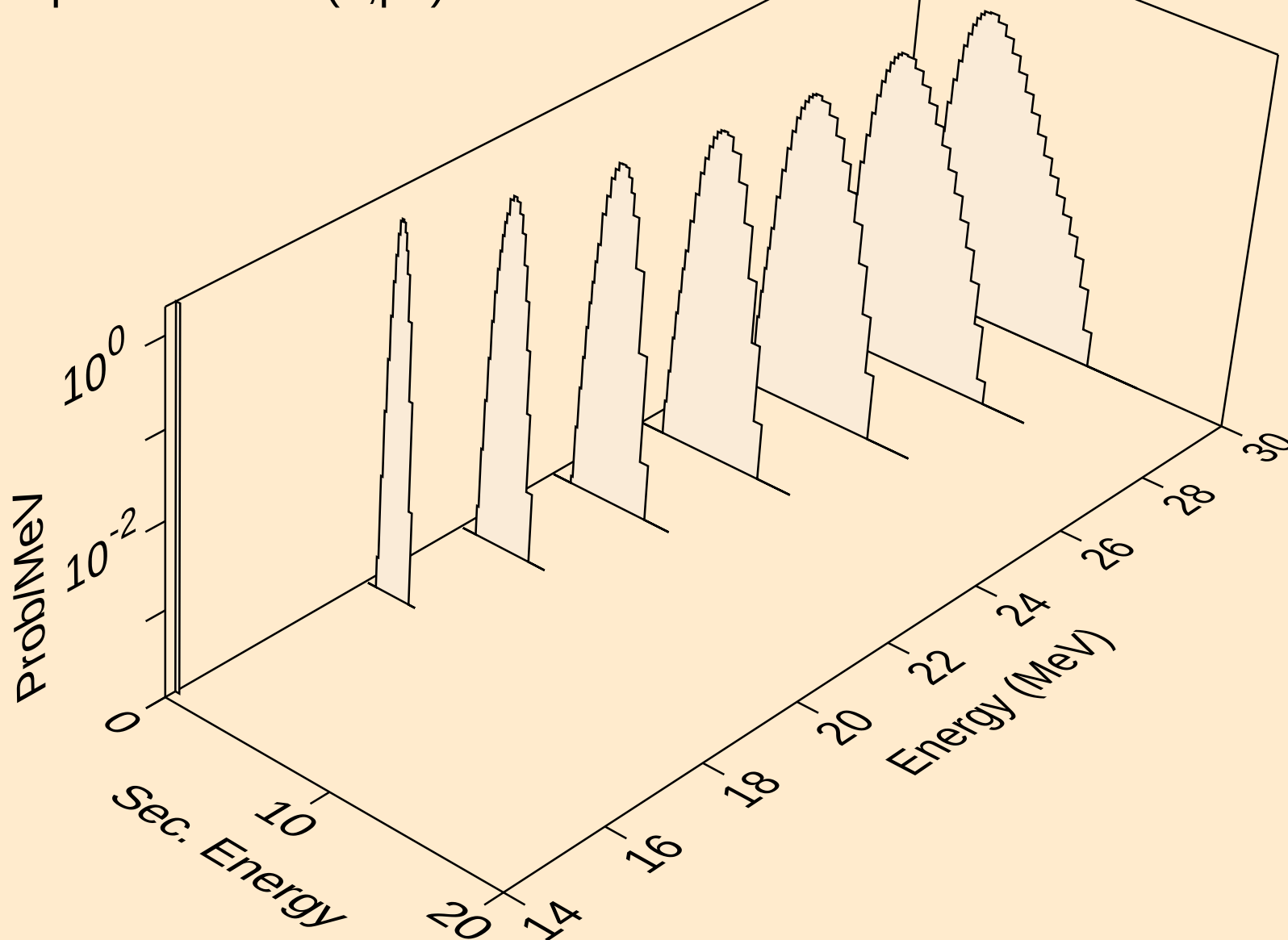
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2p)



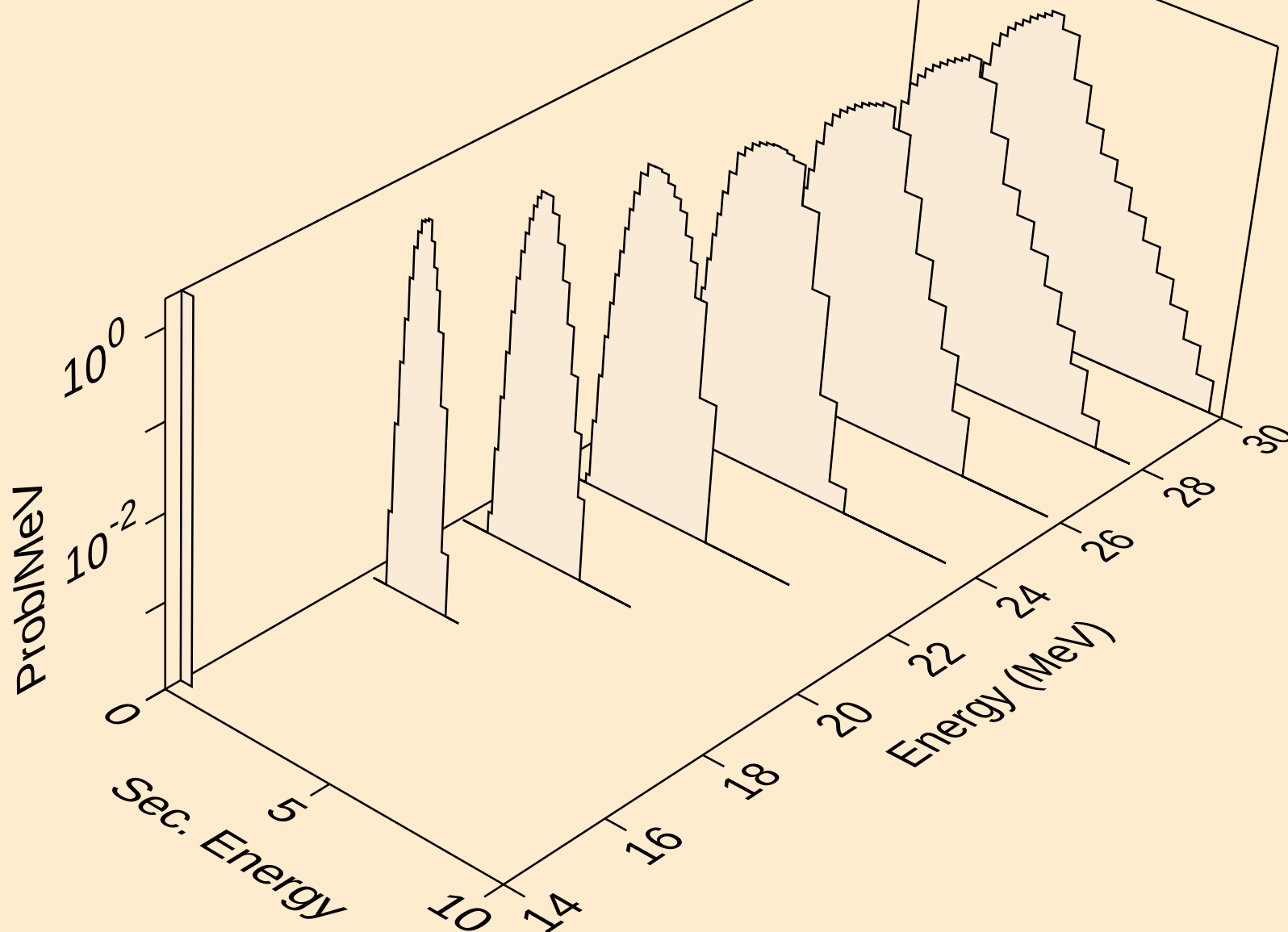
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



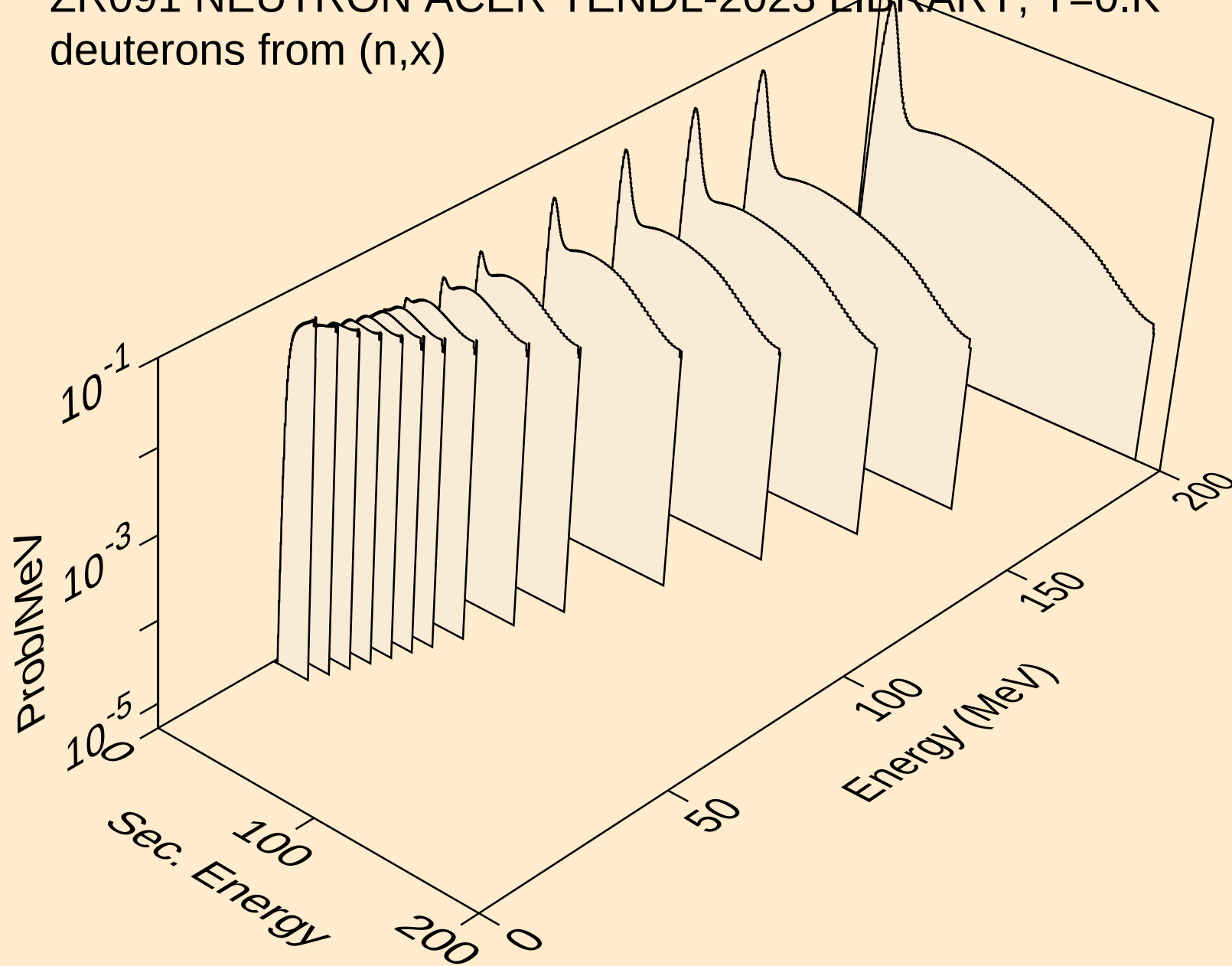
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



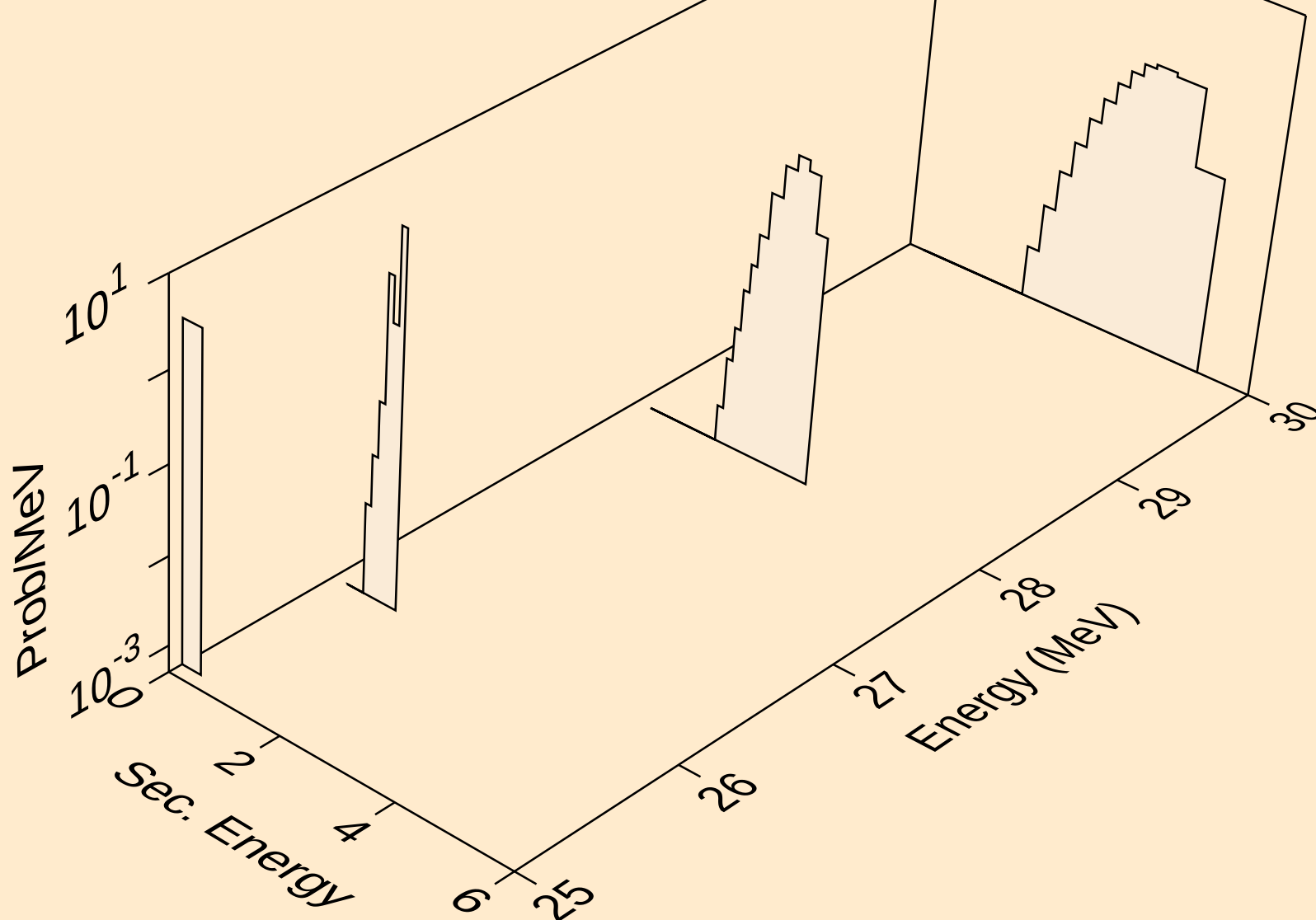
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



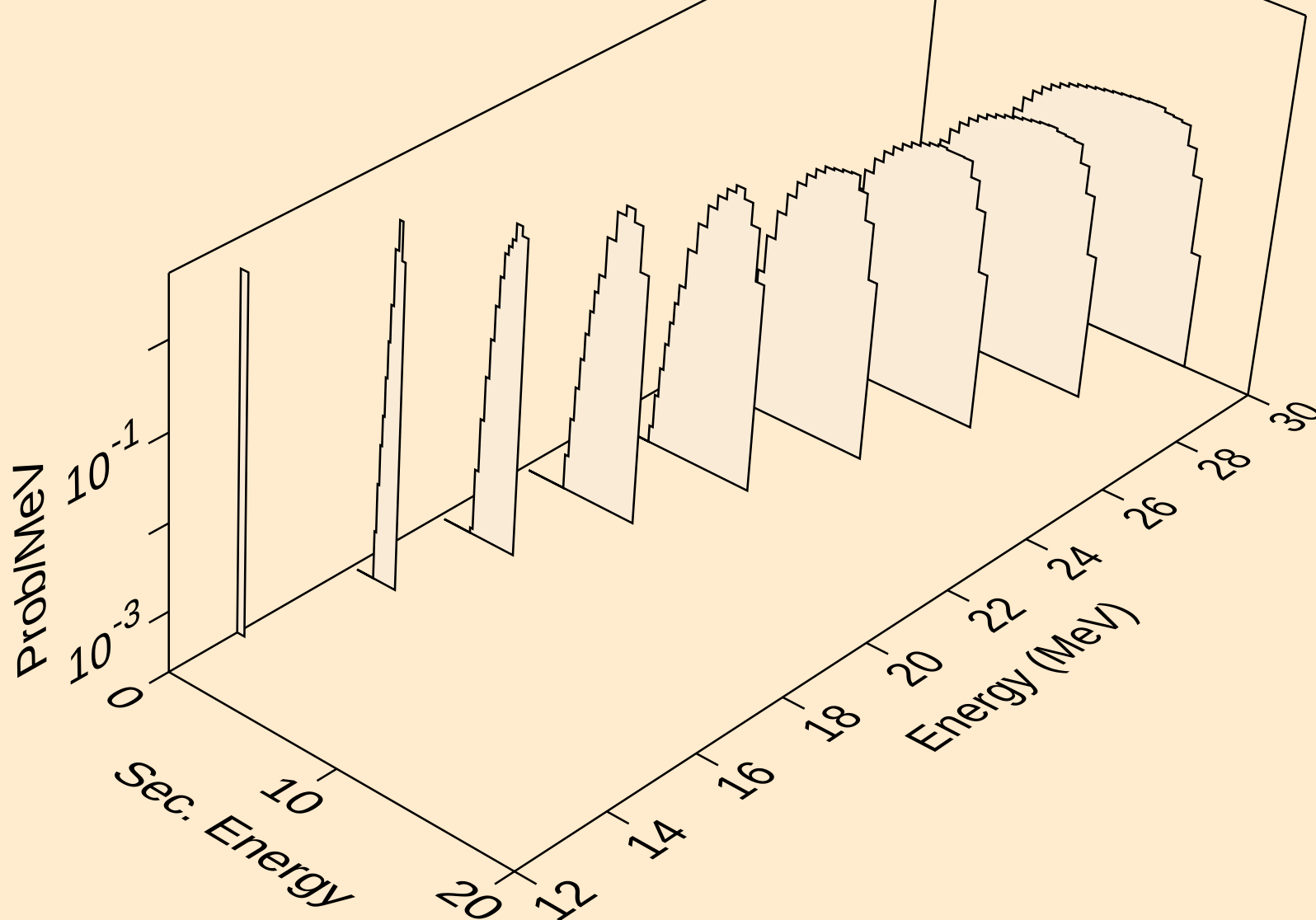
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



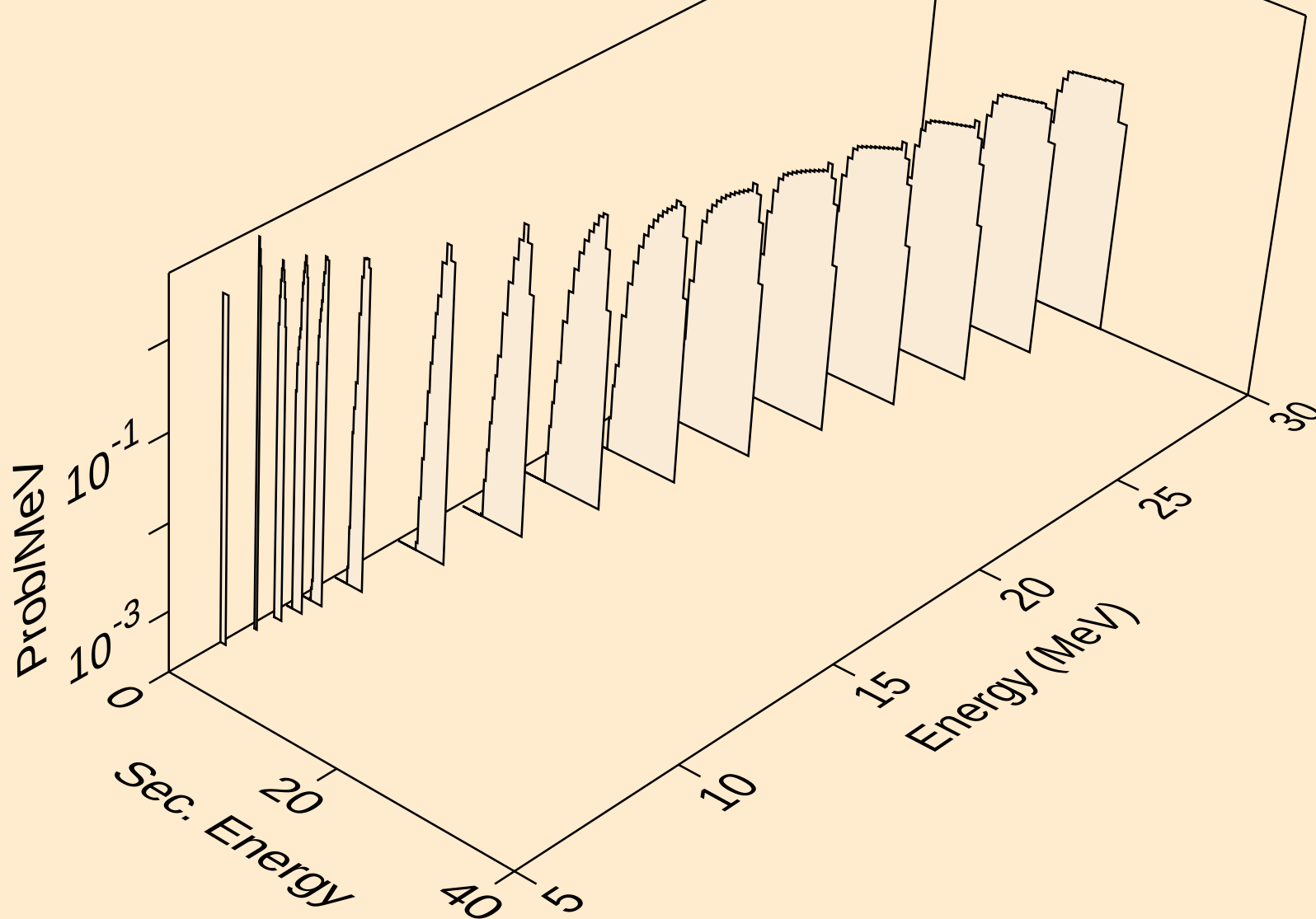
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,2nd)



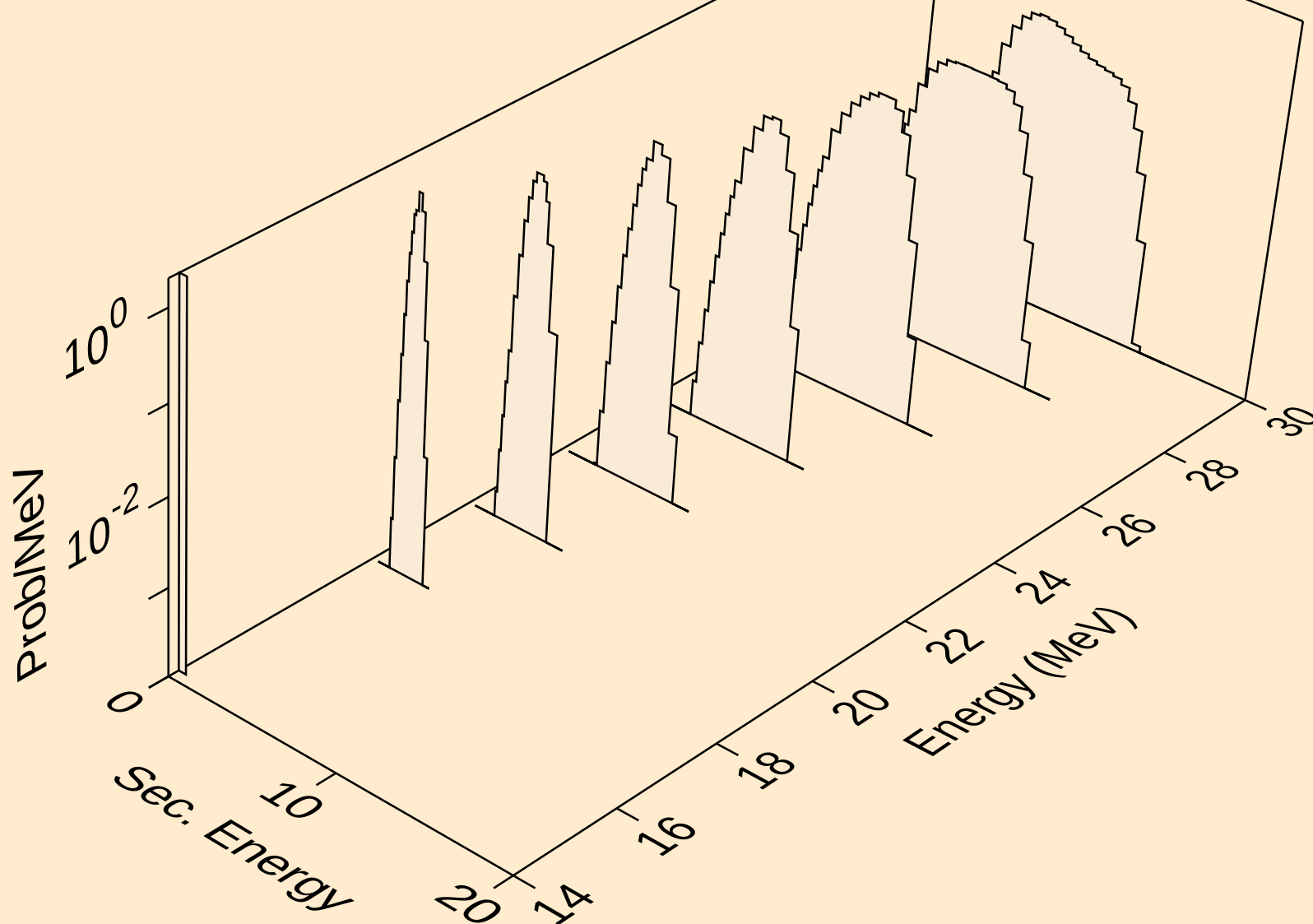
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



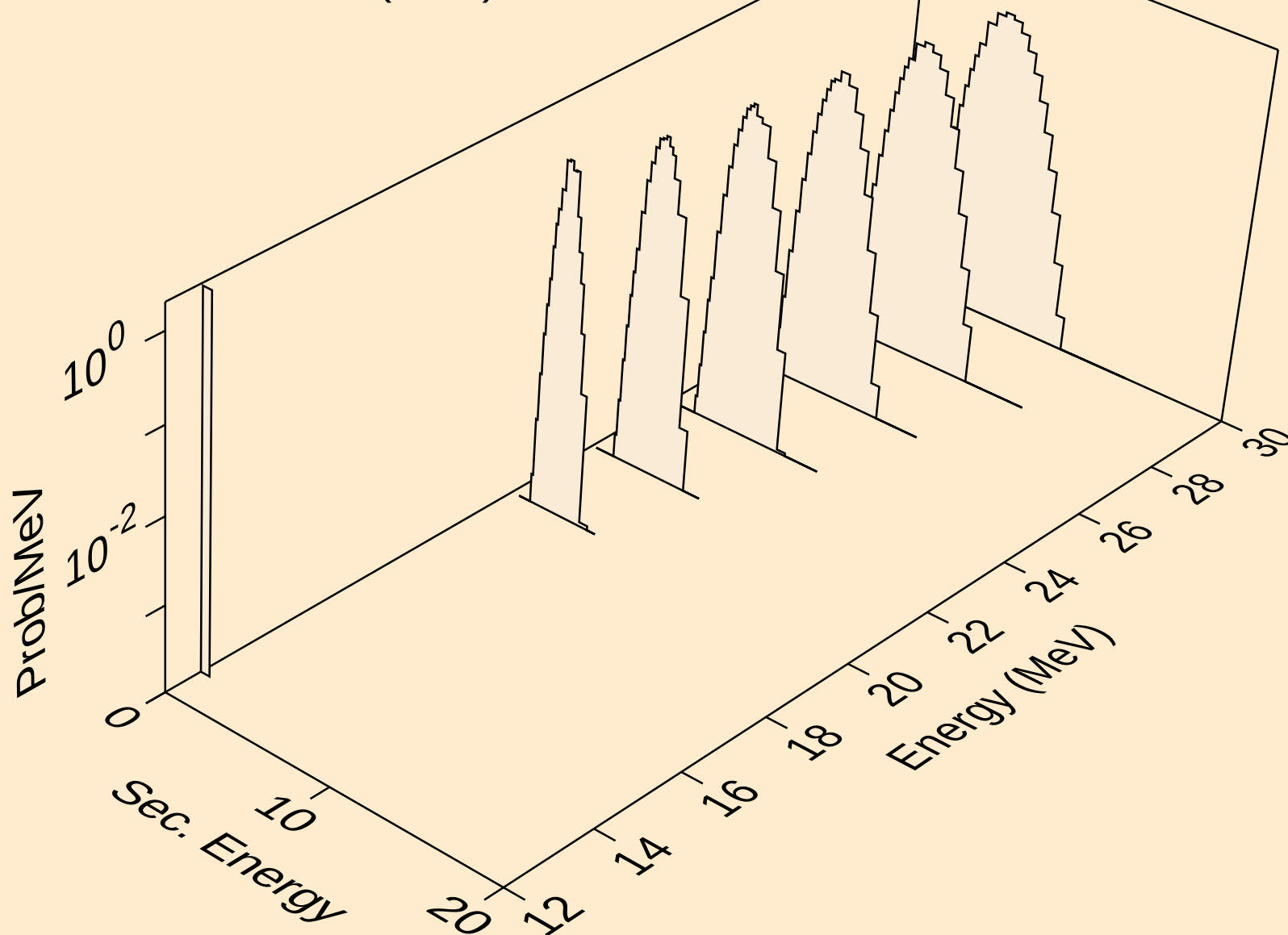
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



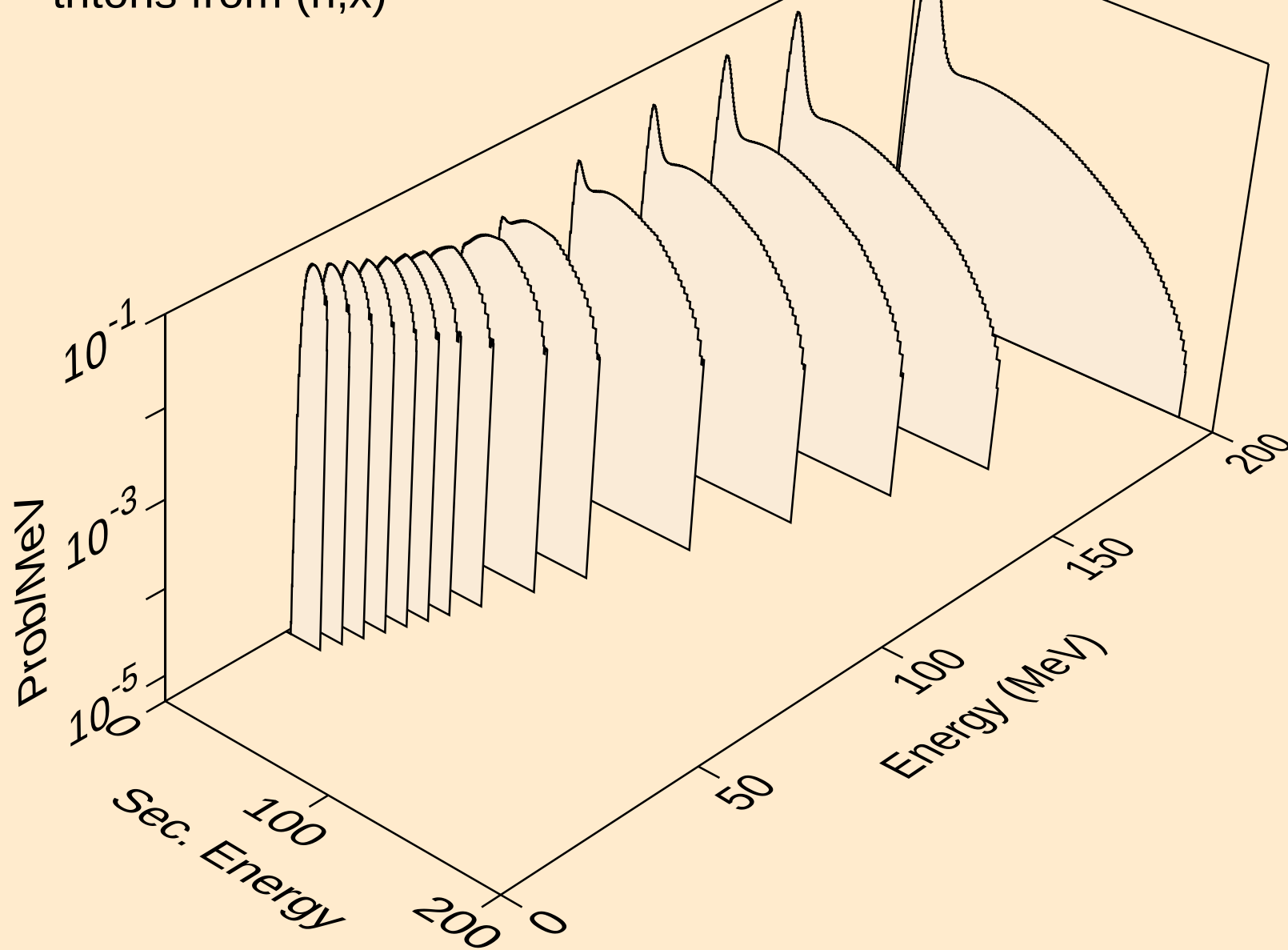
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



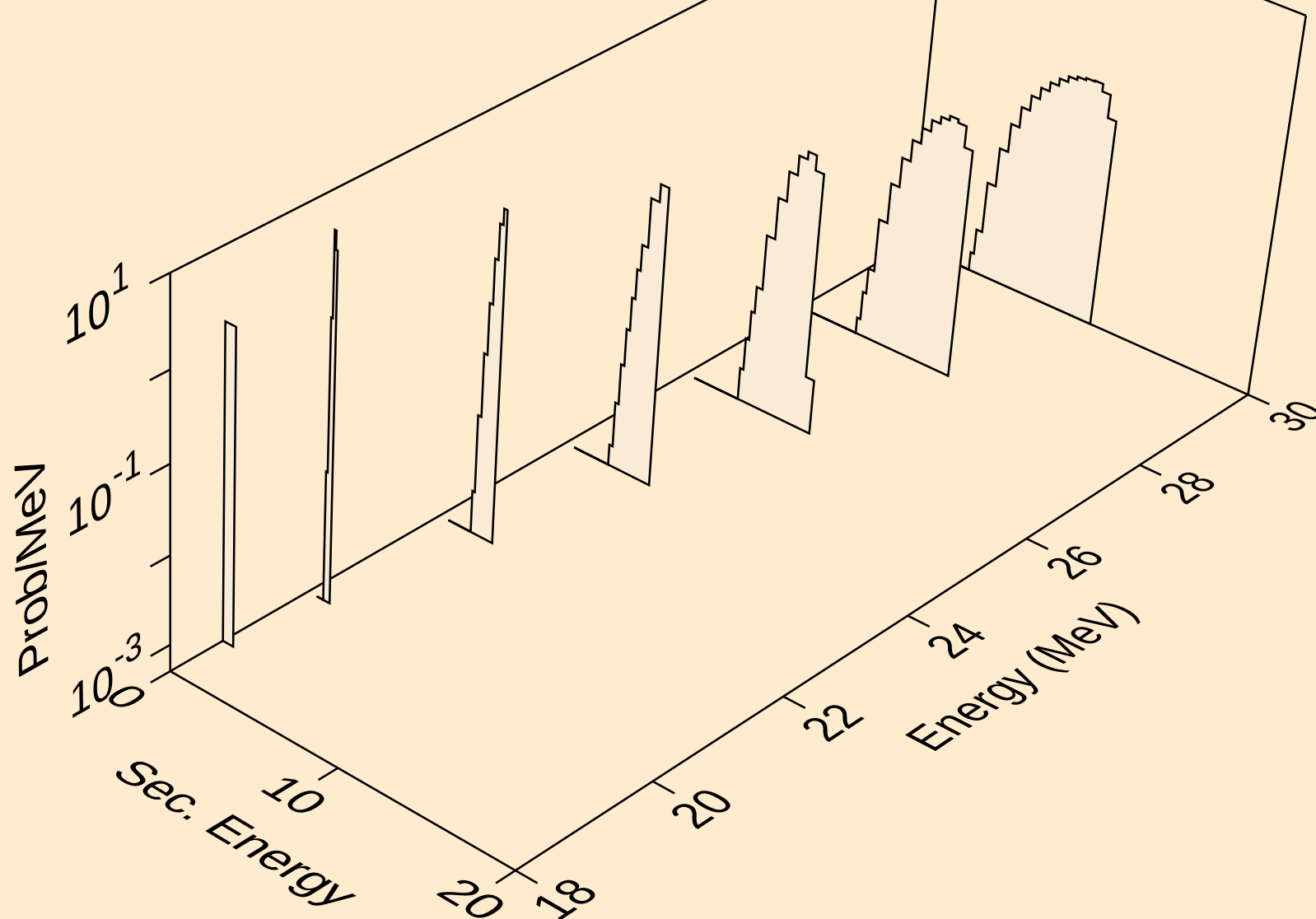
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



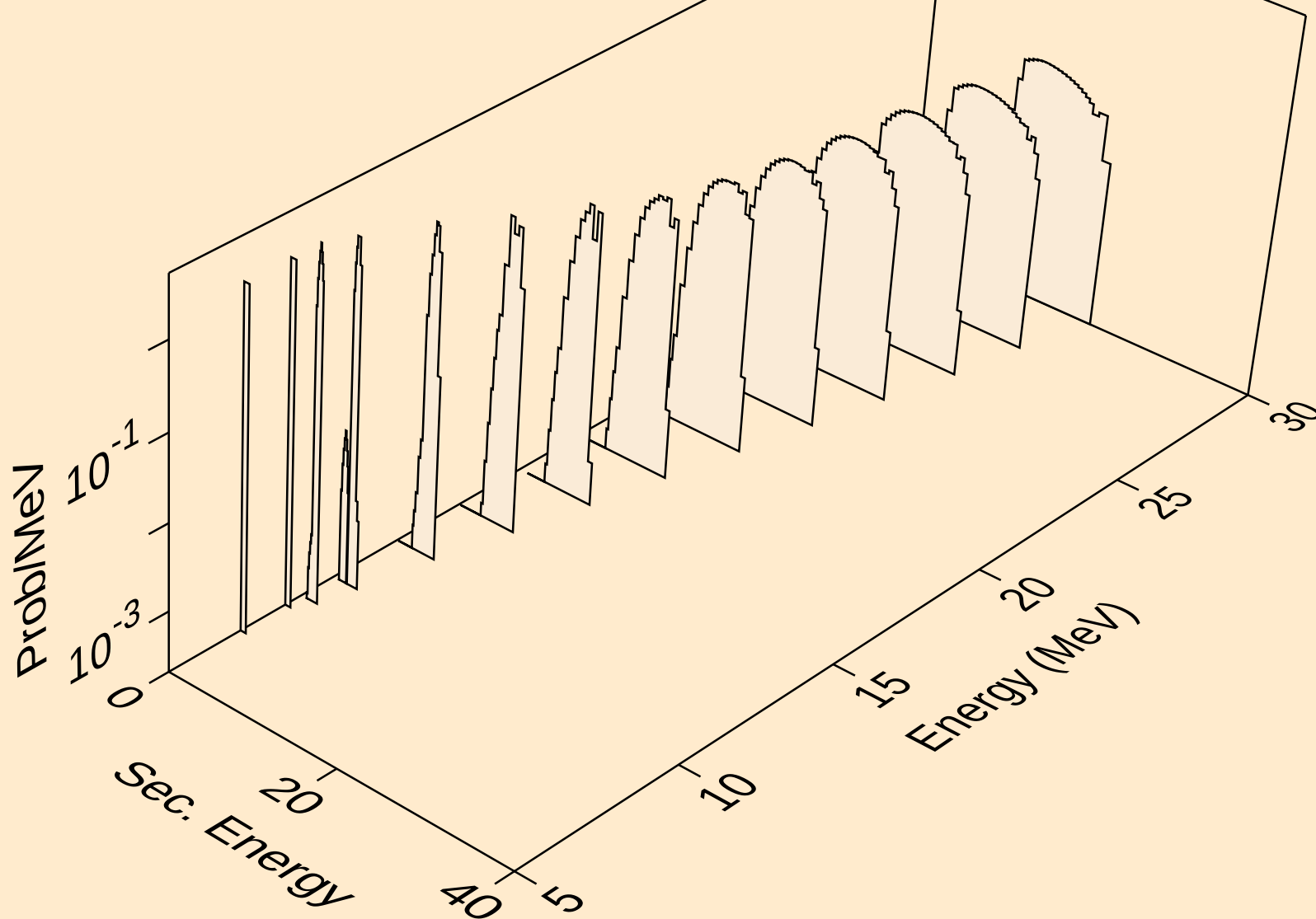
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



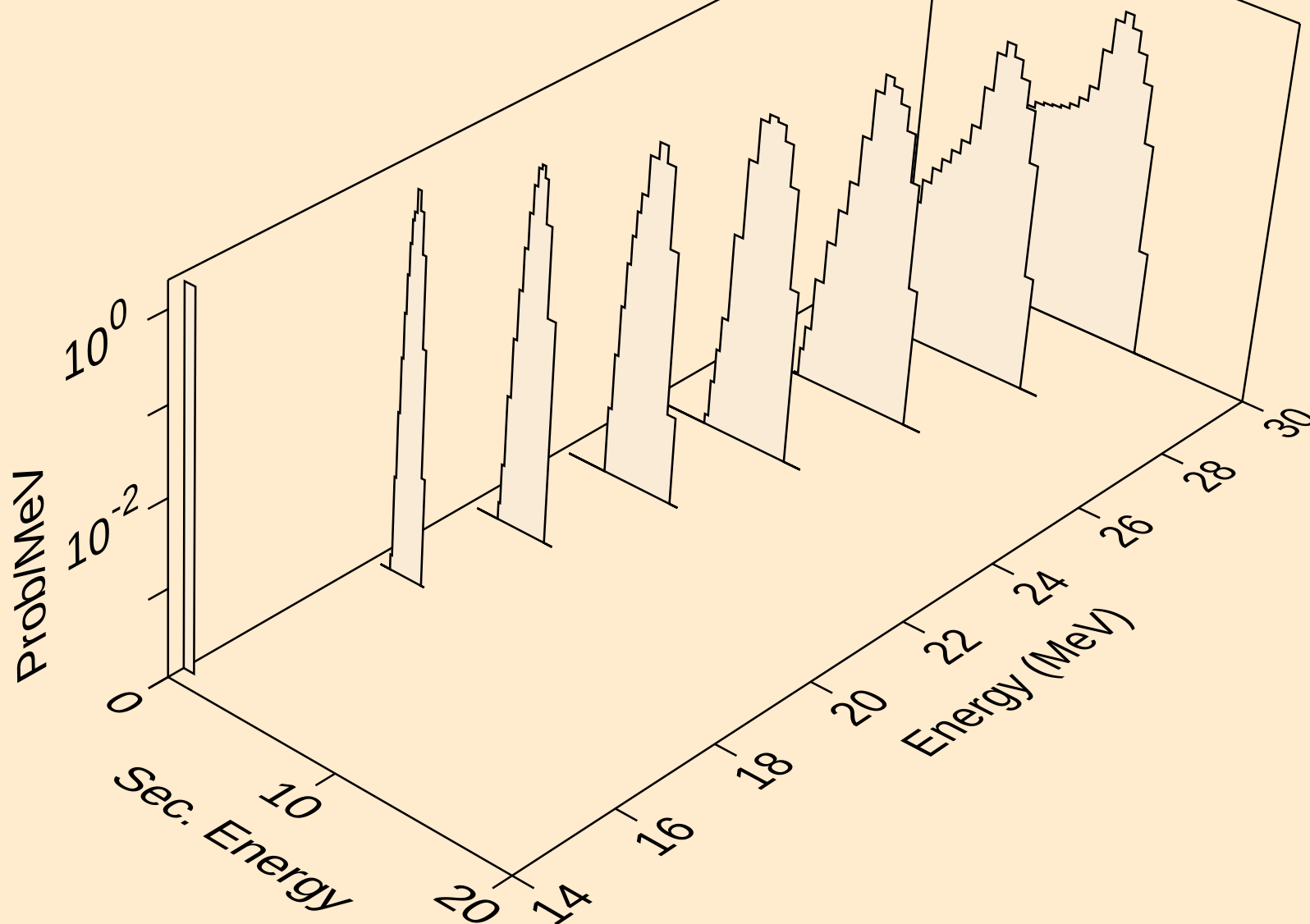
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



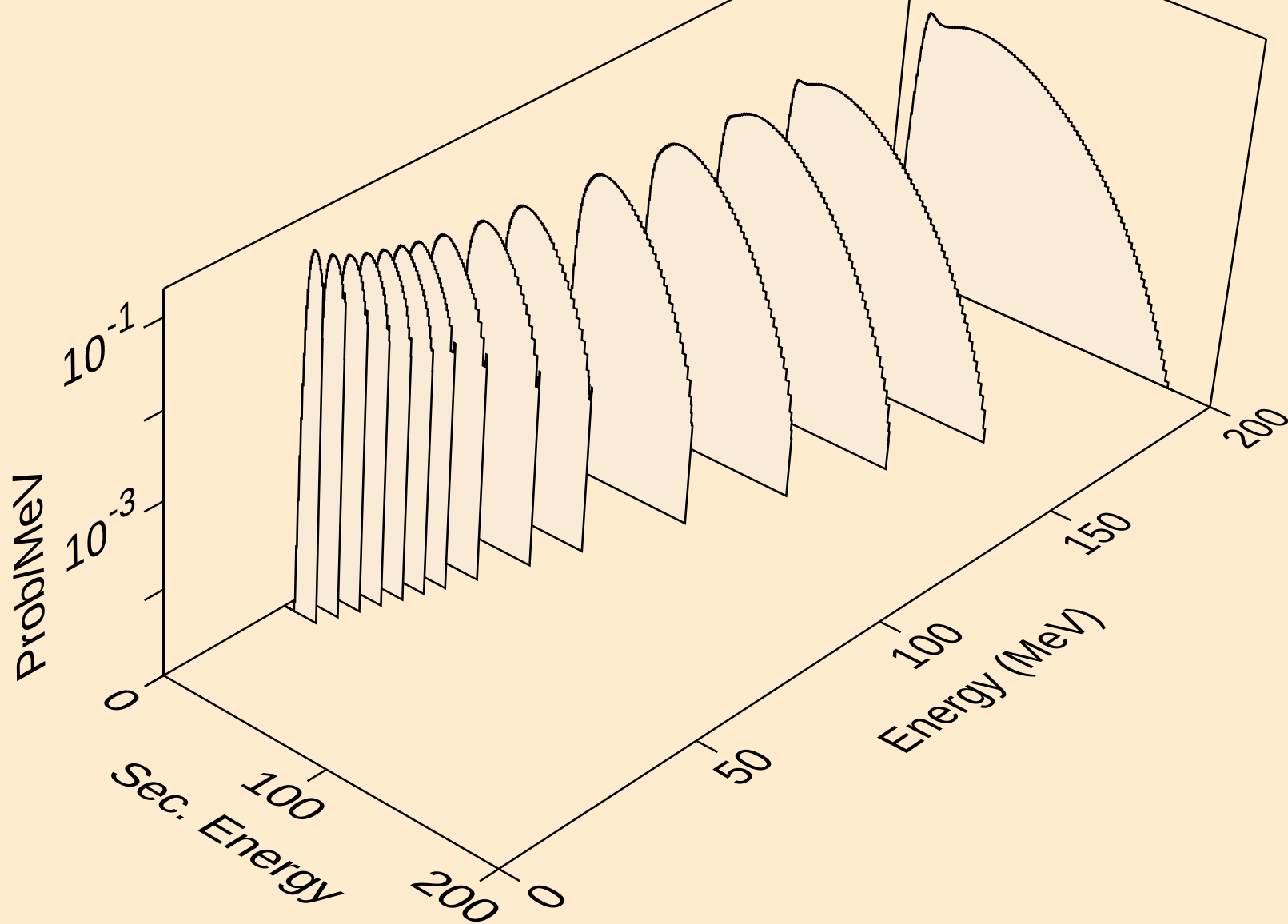
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



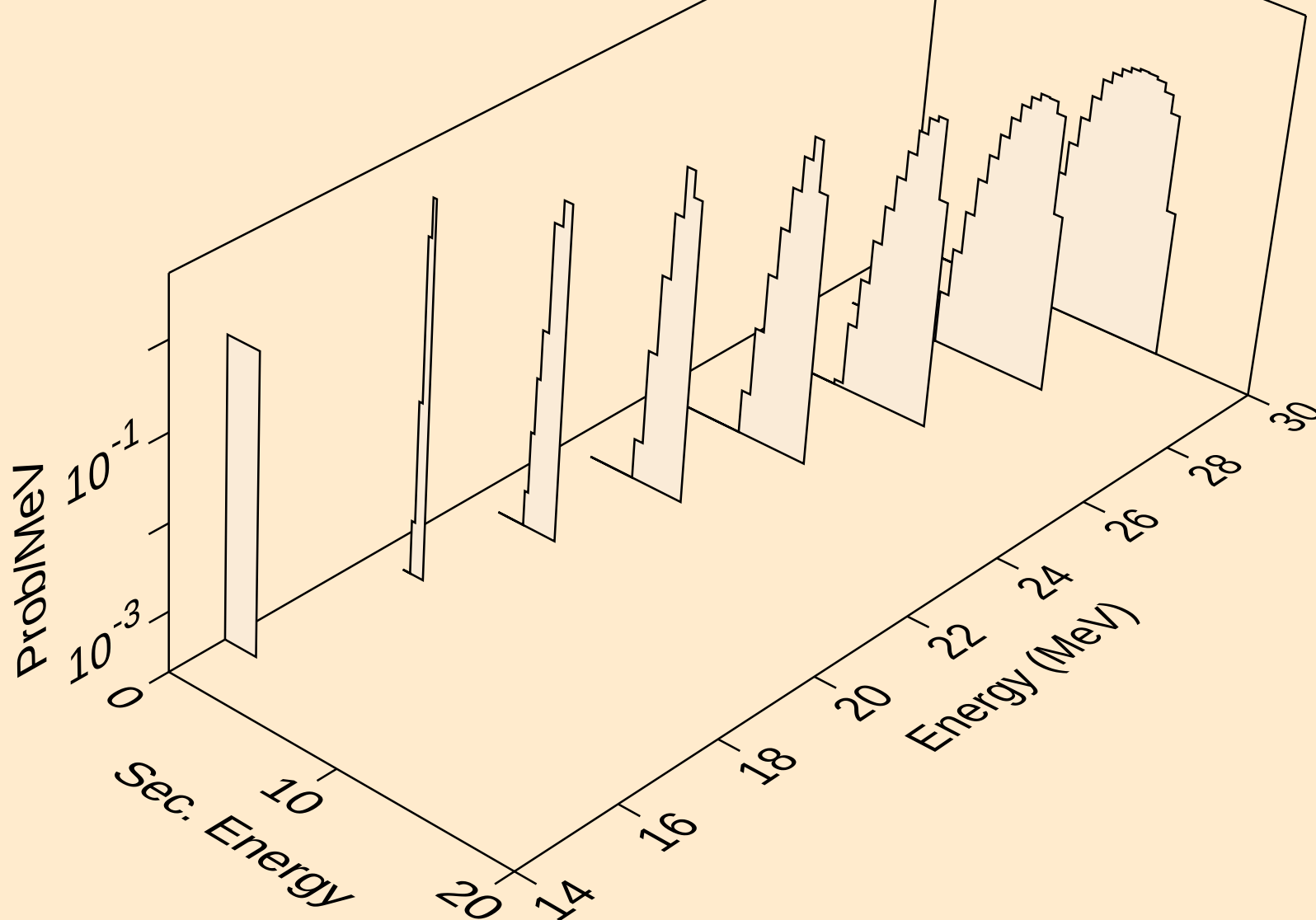
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



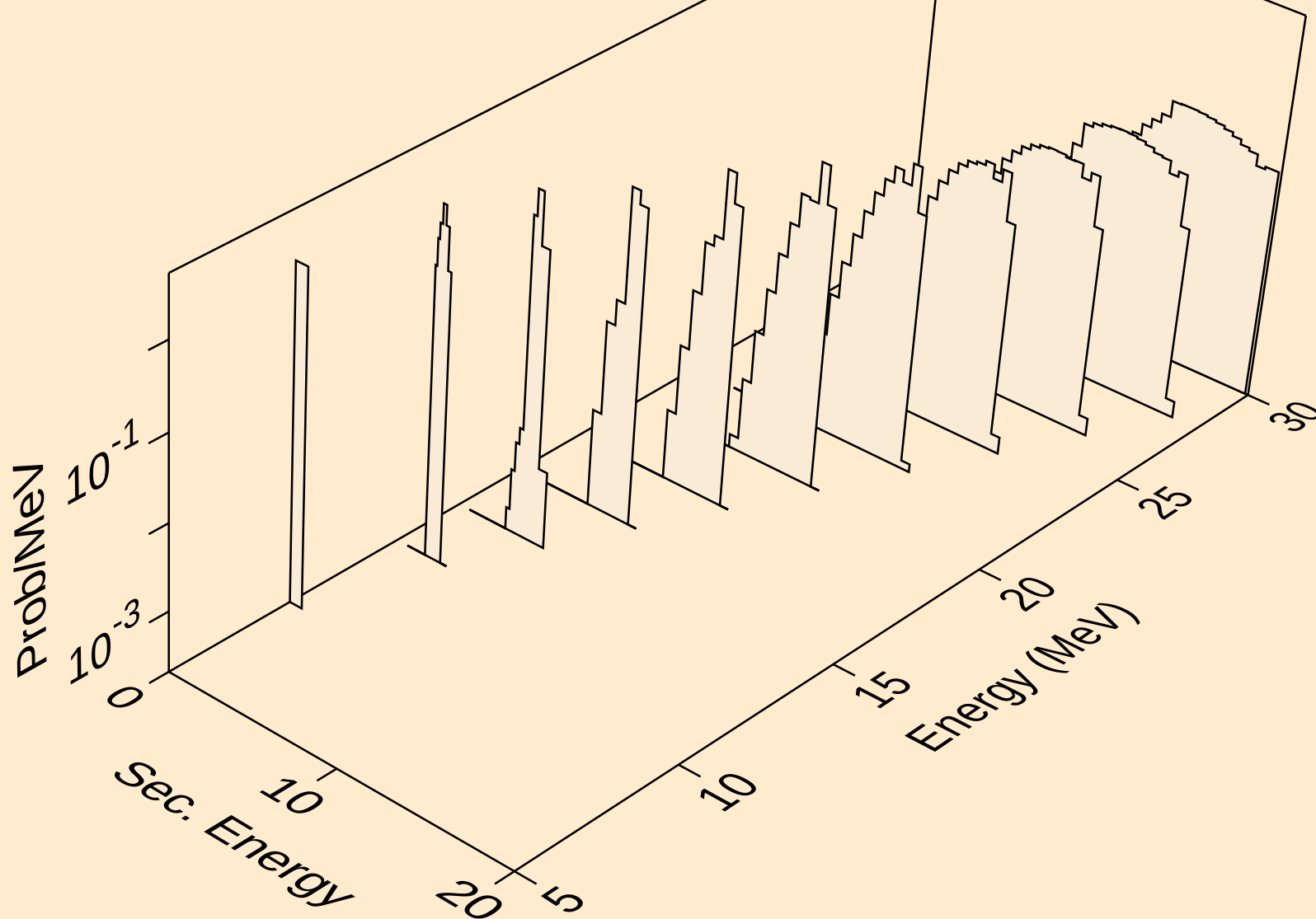
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



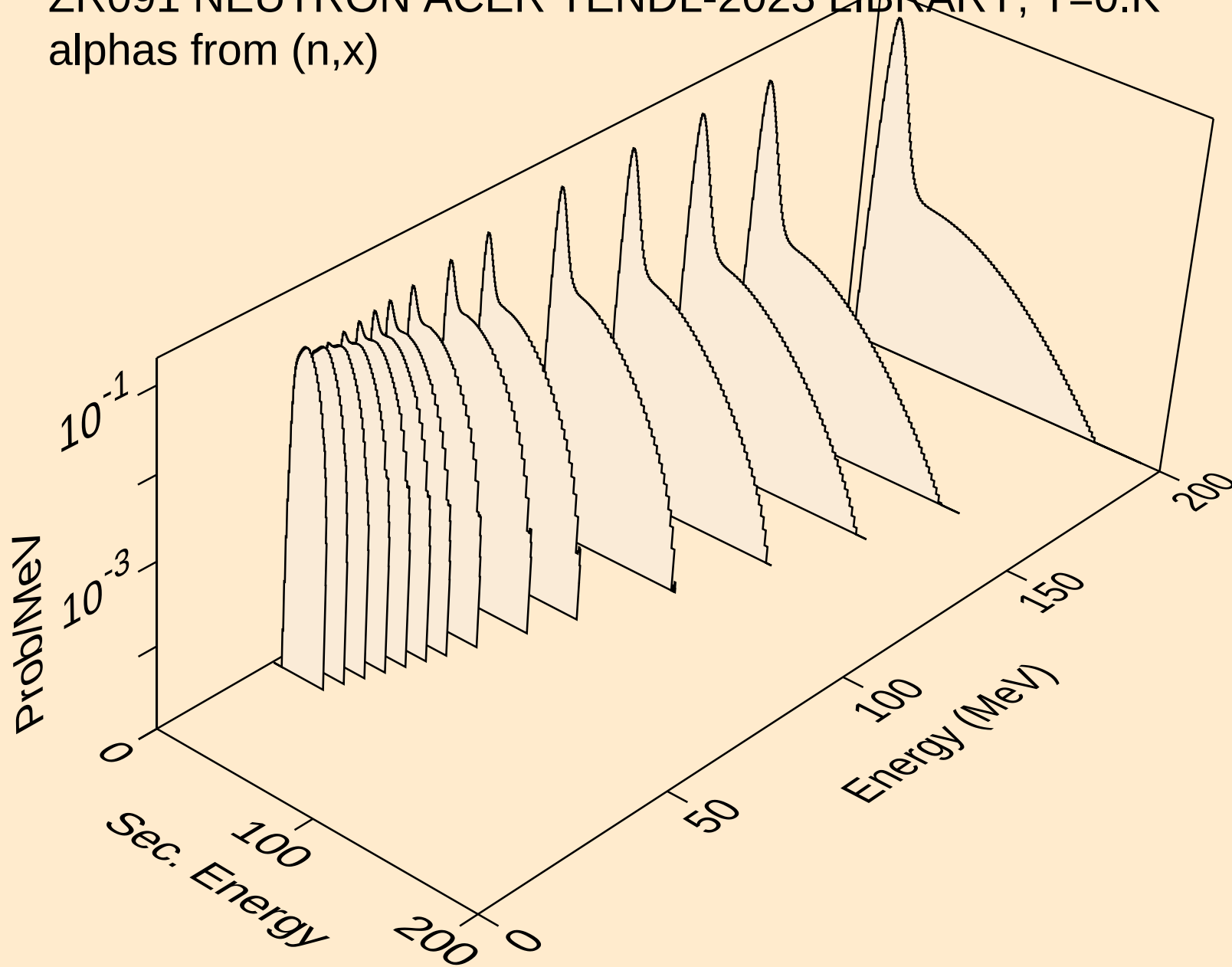
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



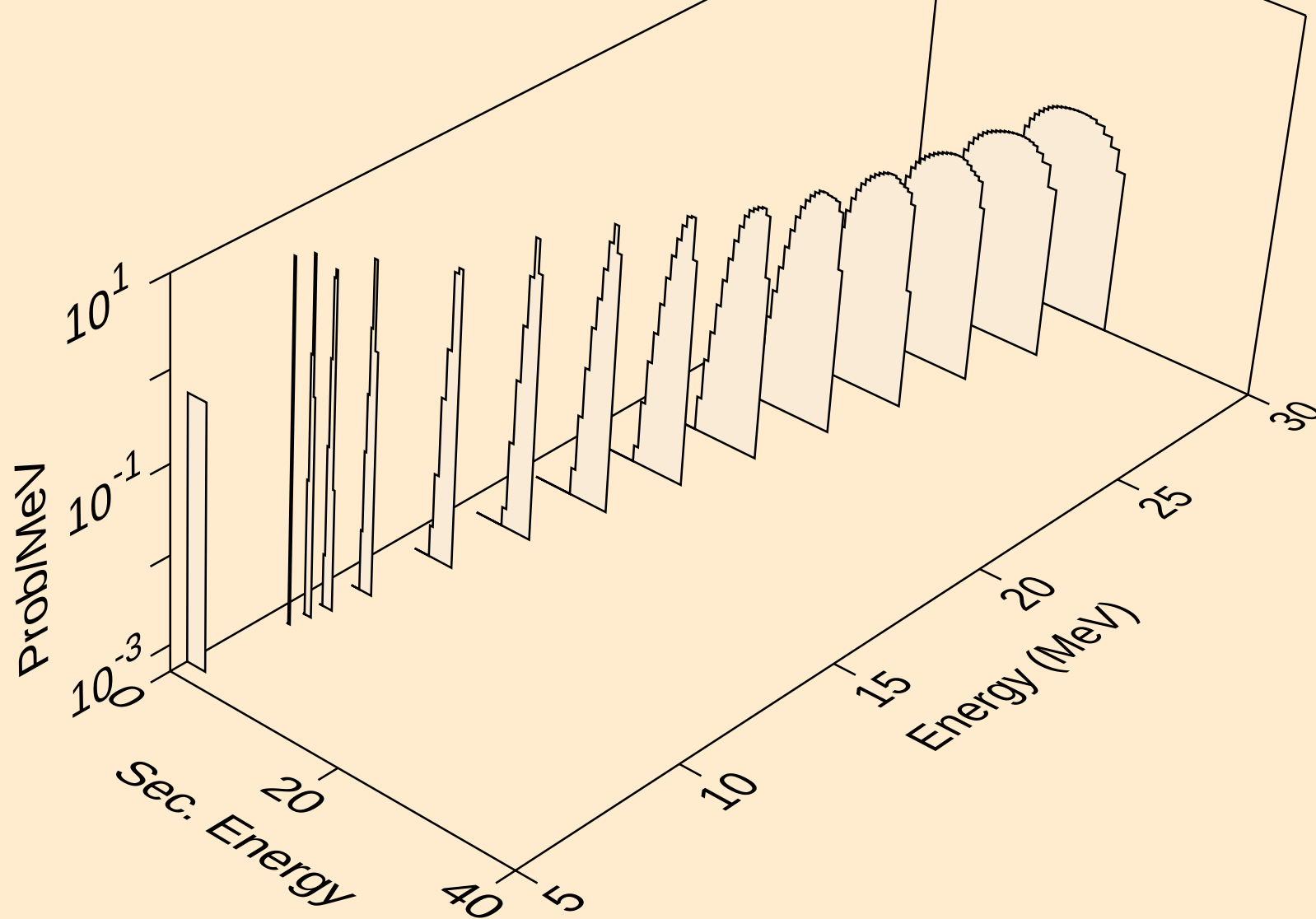
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



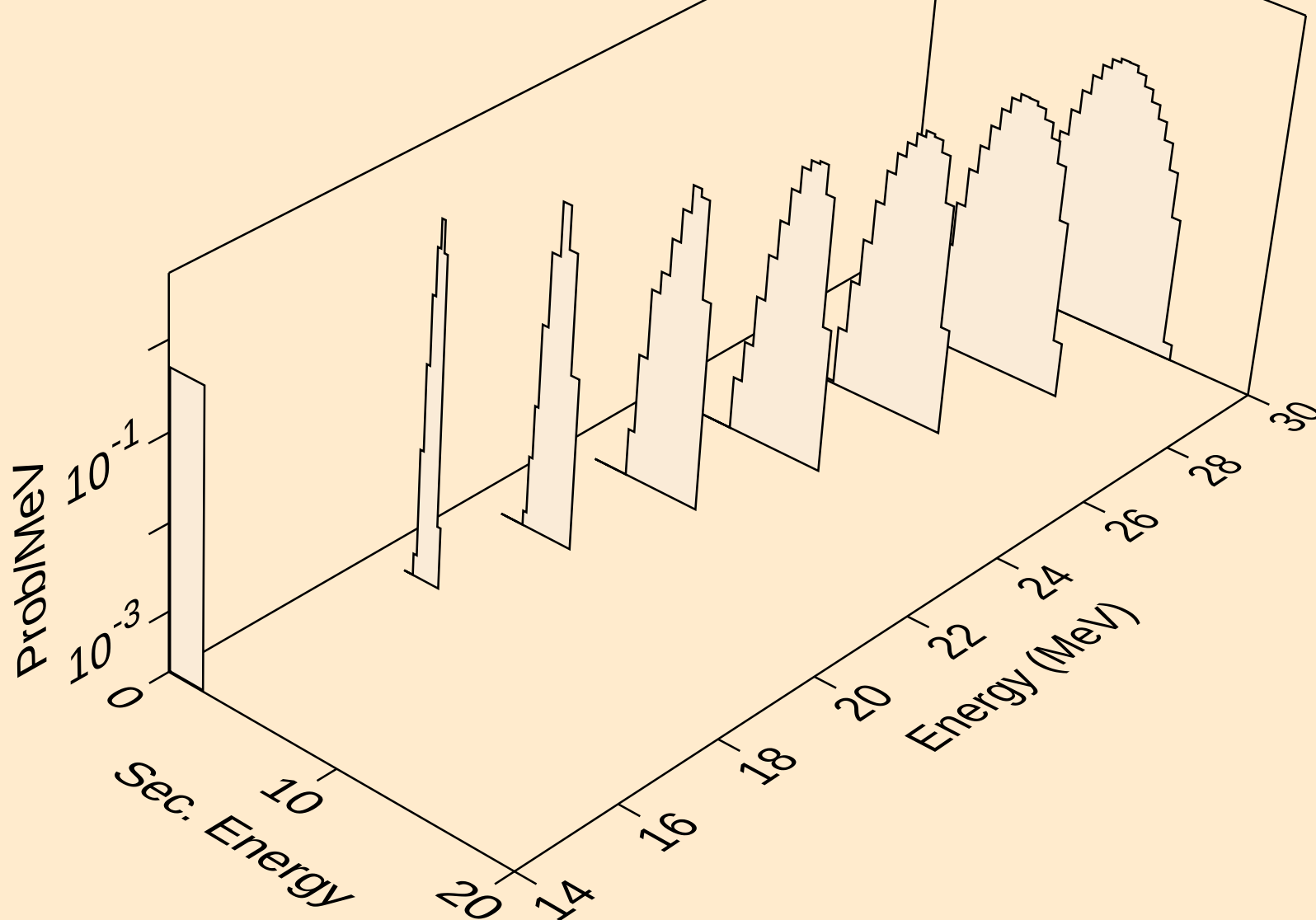
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



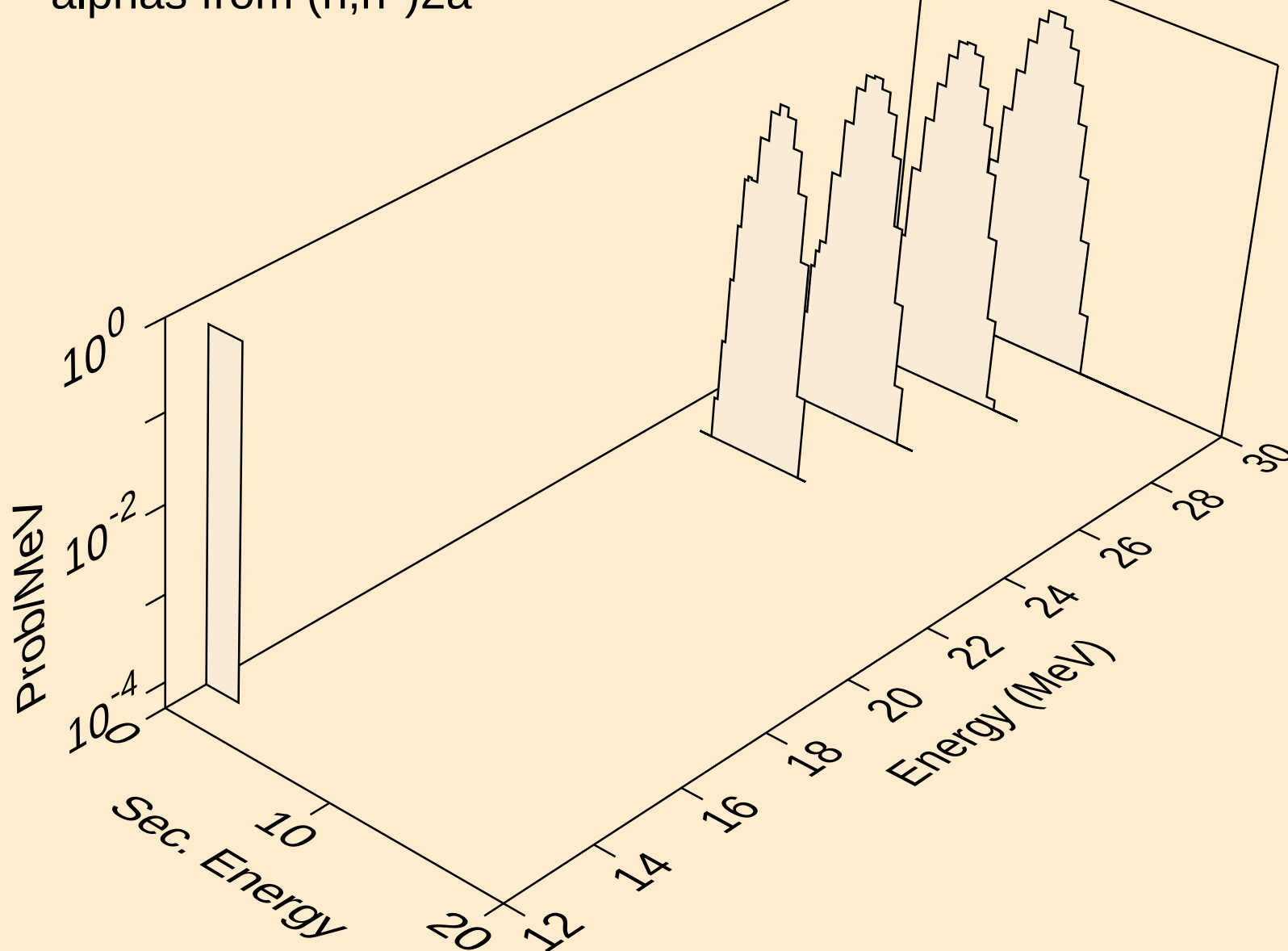
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



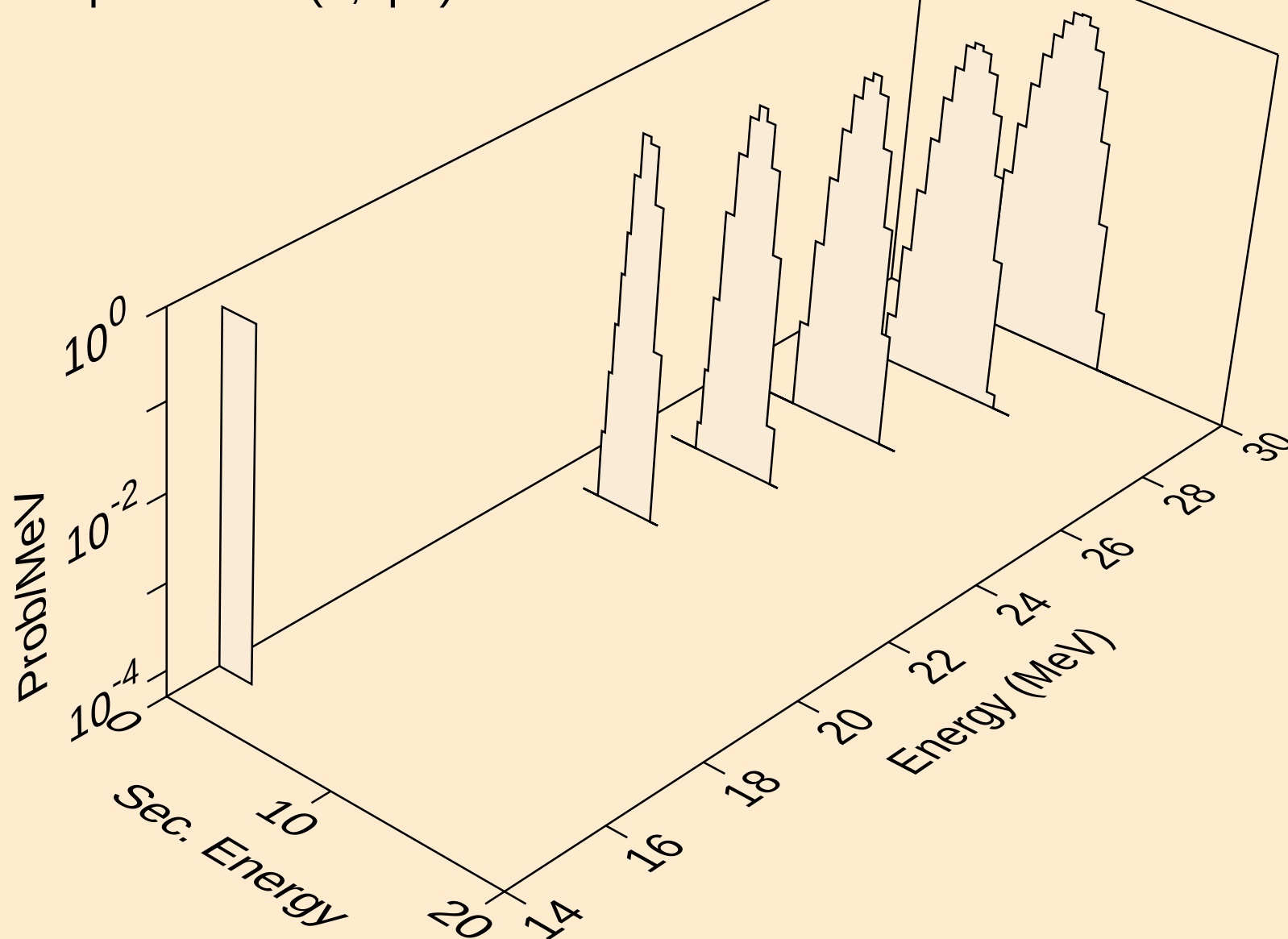
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



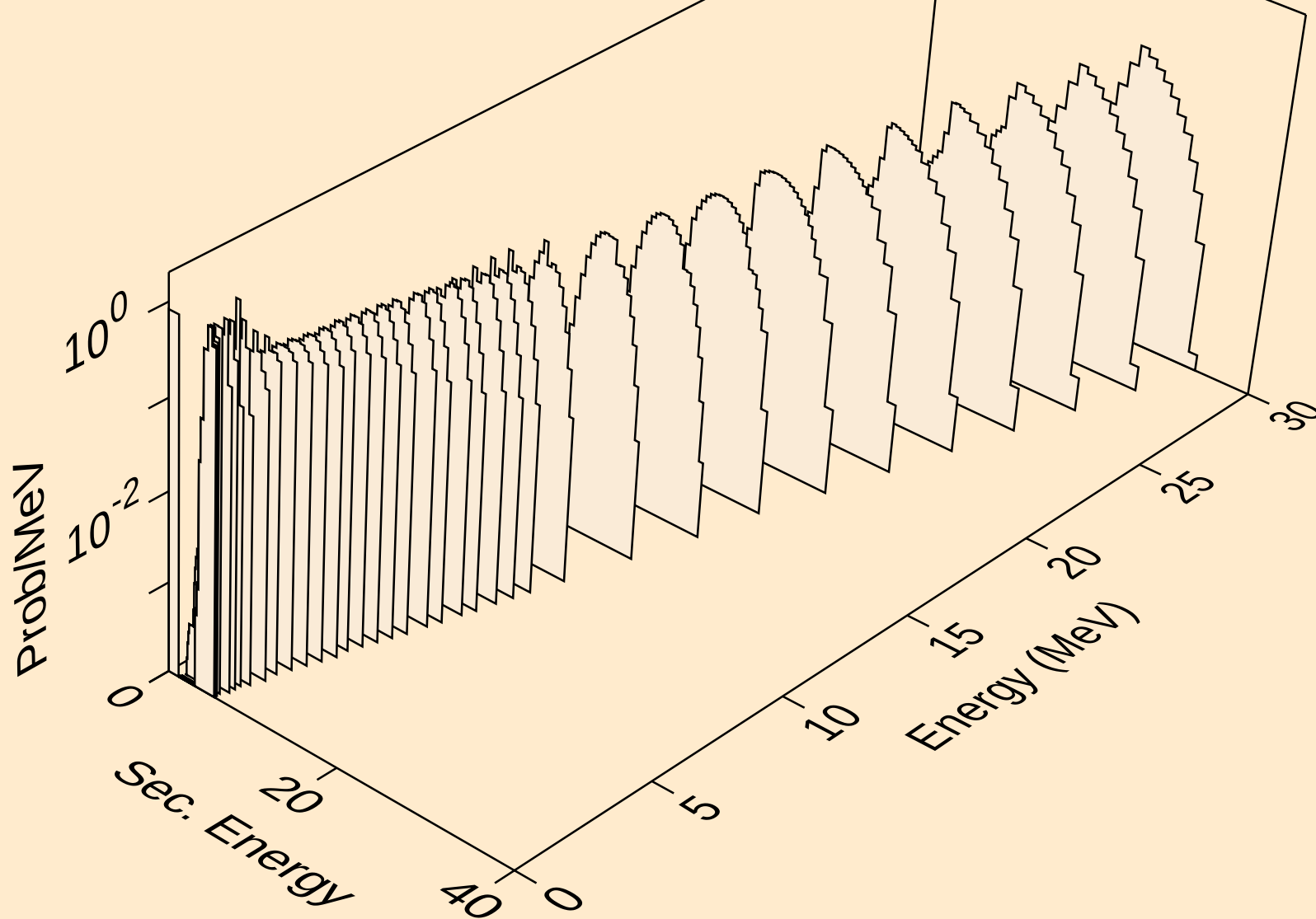
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



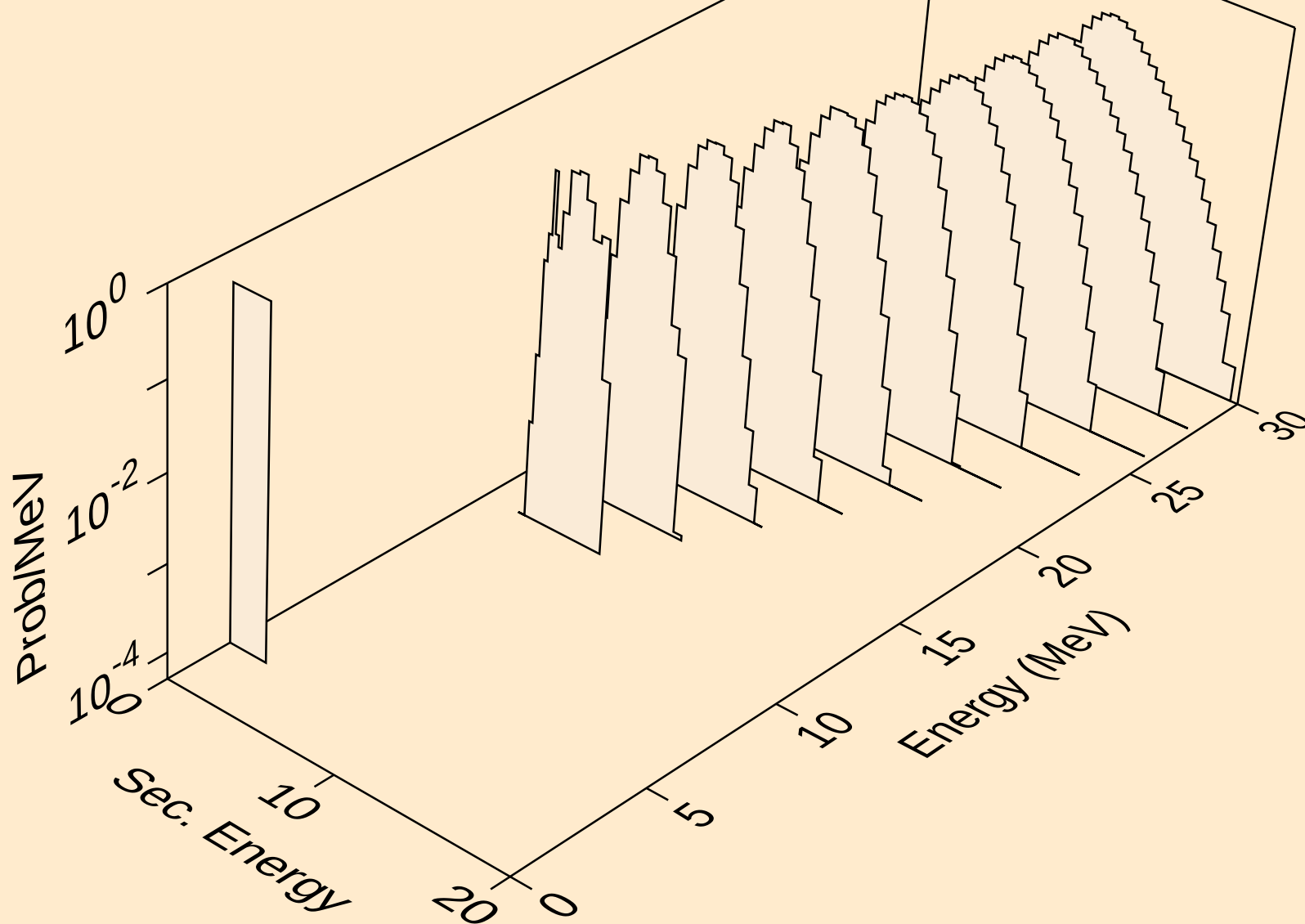
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



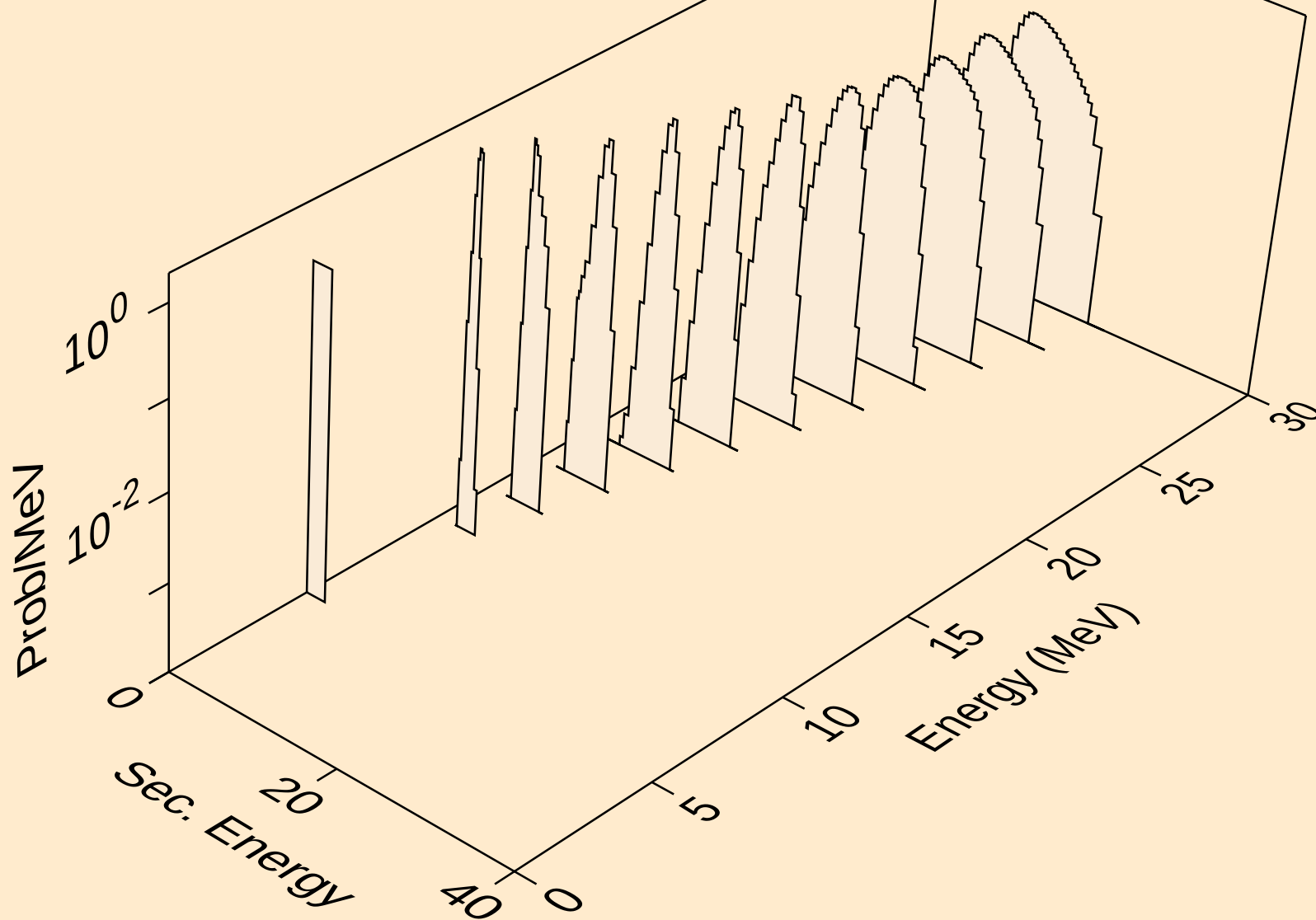
ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



ZR091 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

