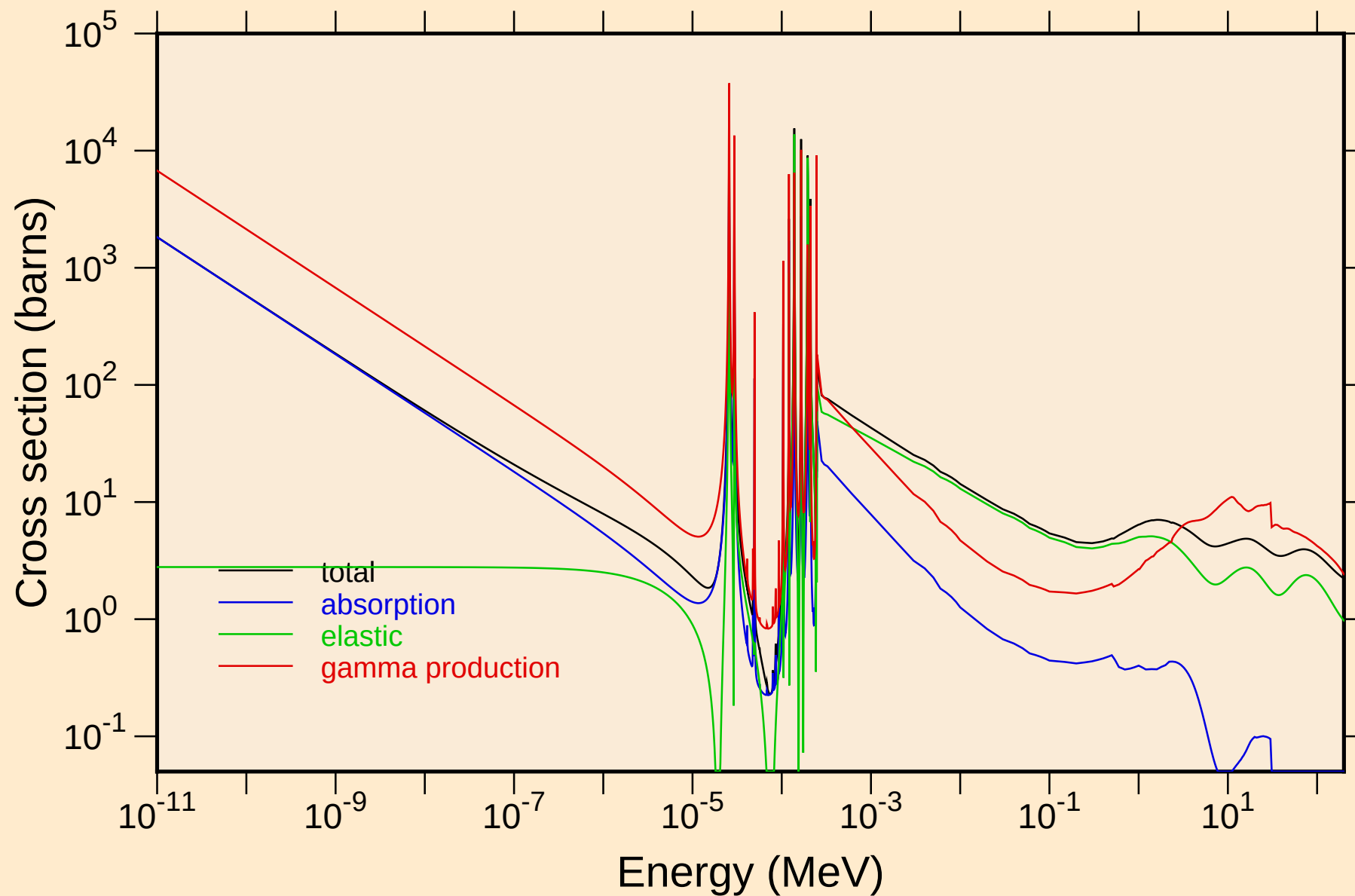
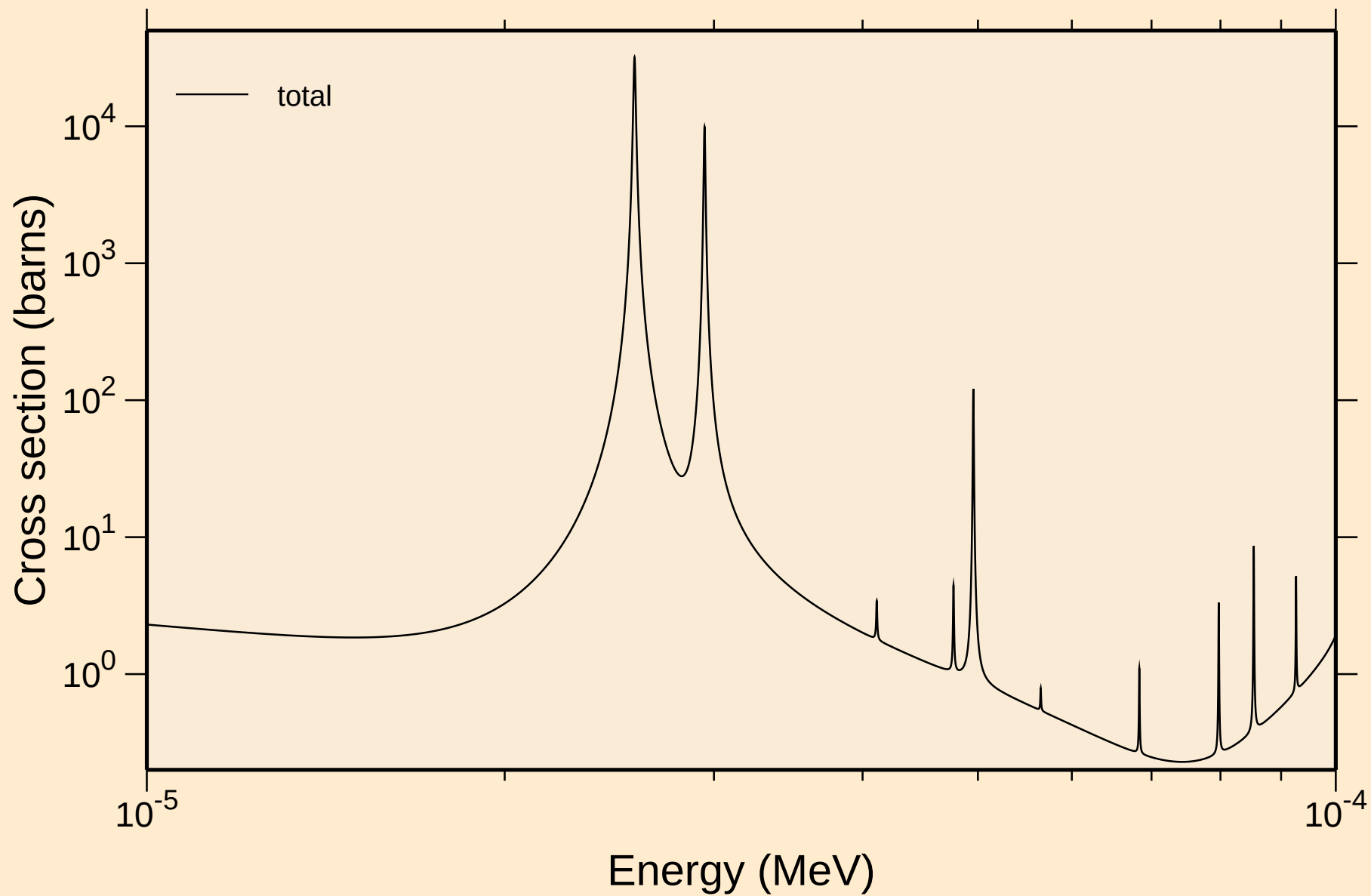


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

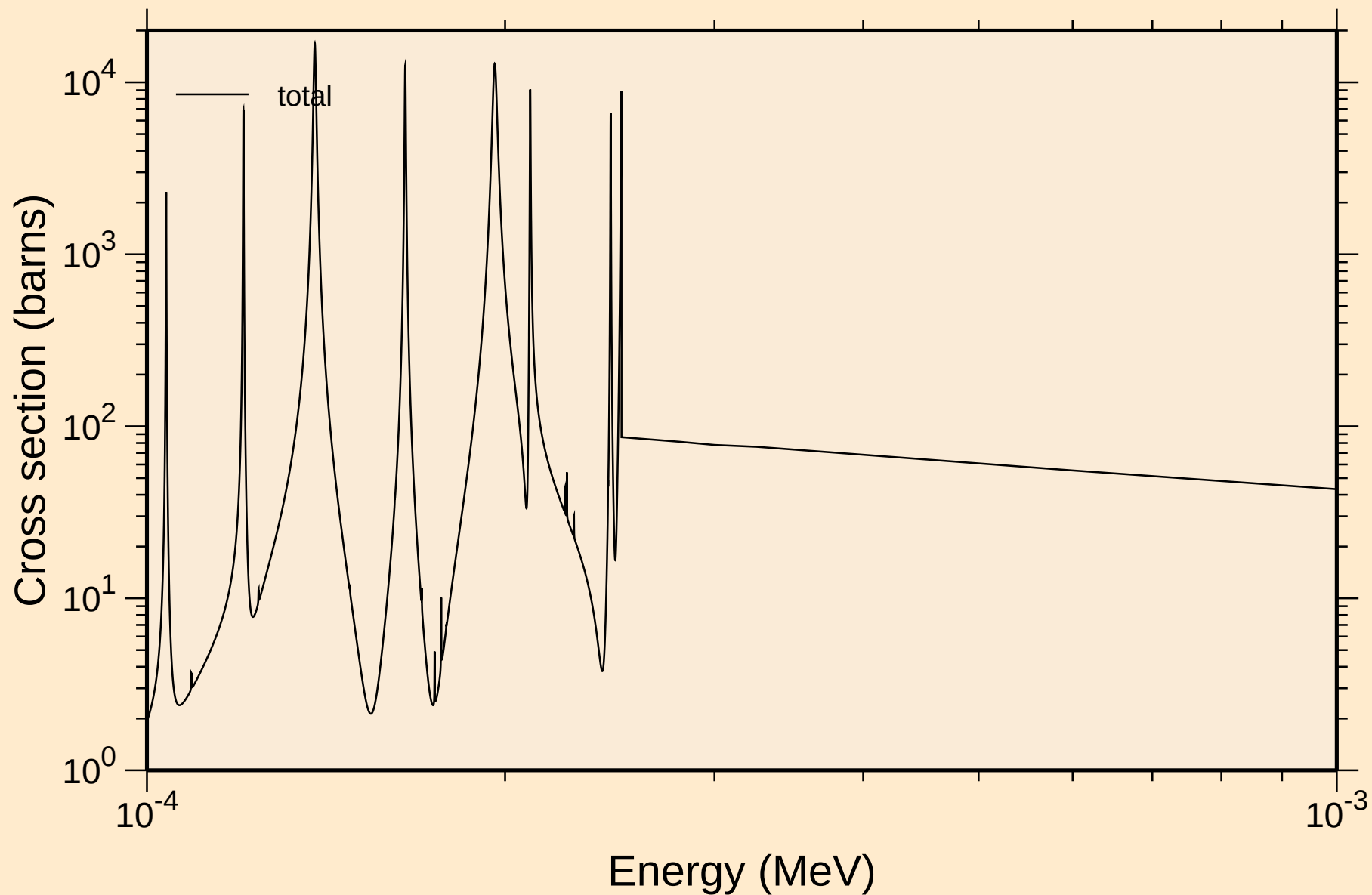
Principal cross sections



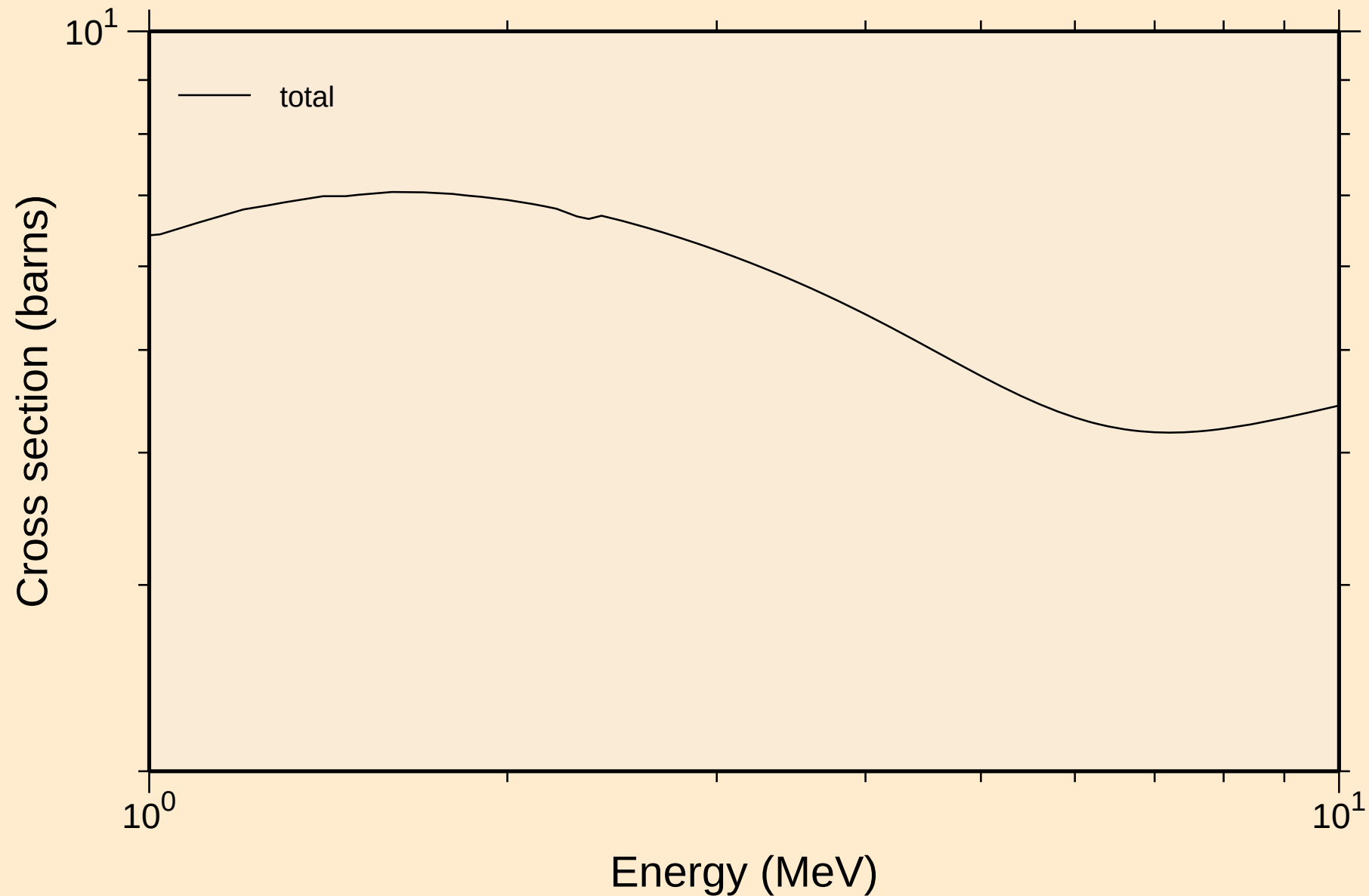
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



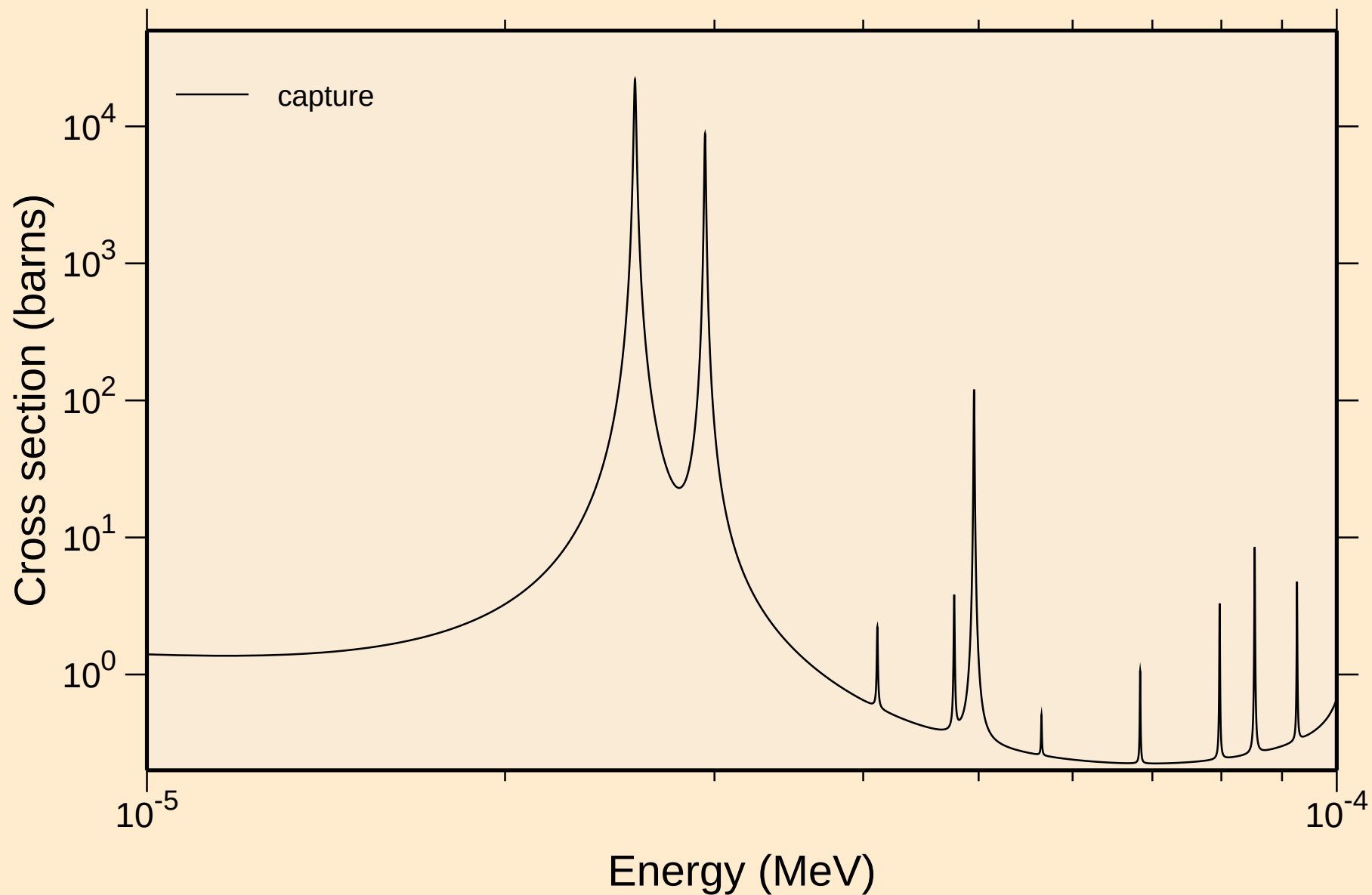
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



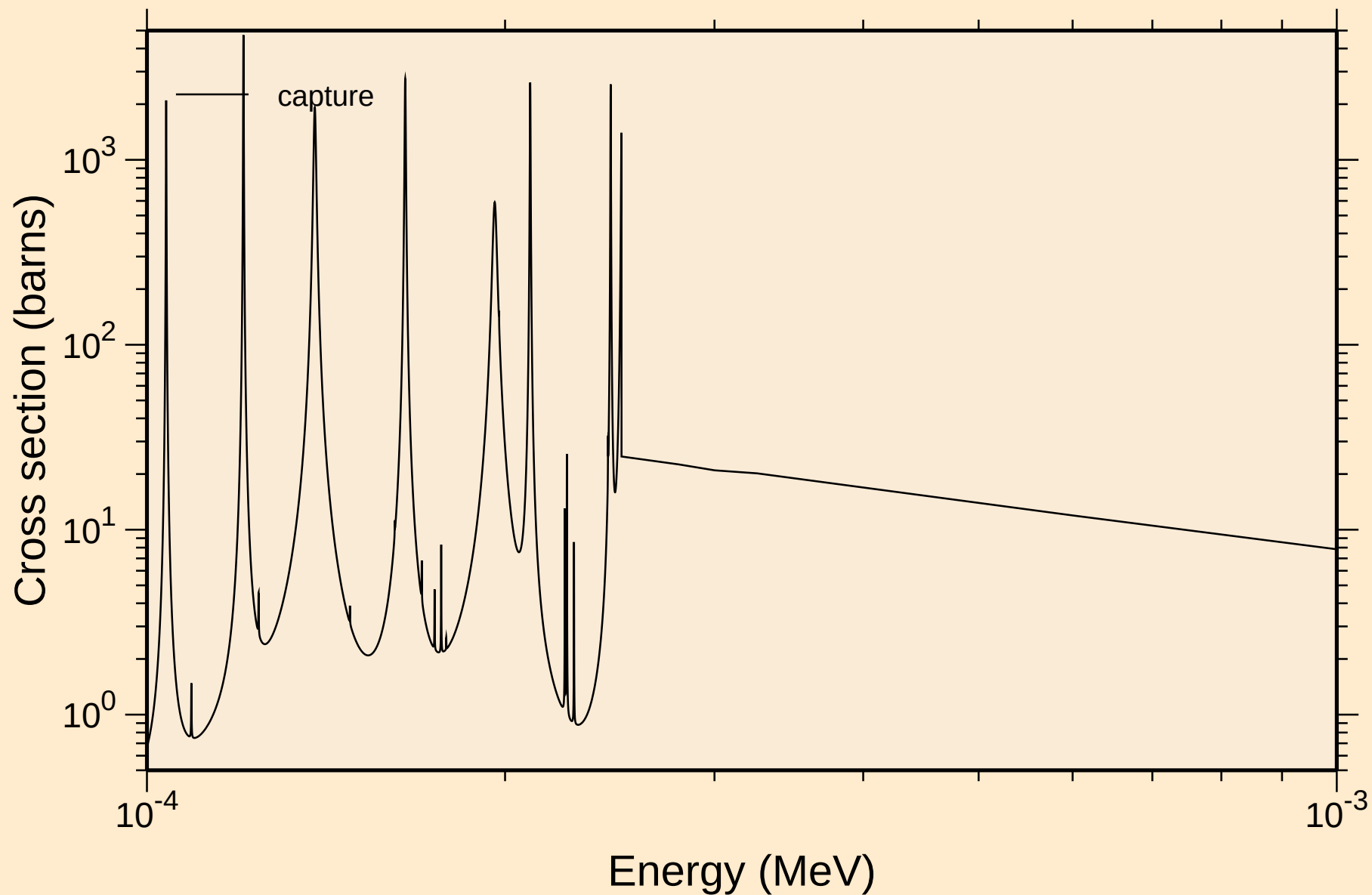
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



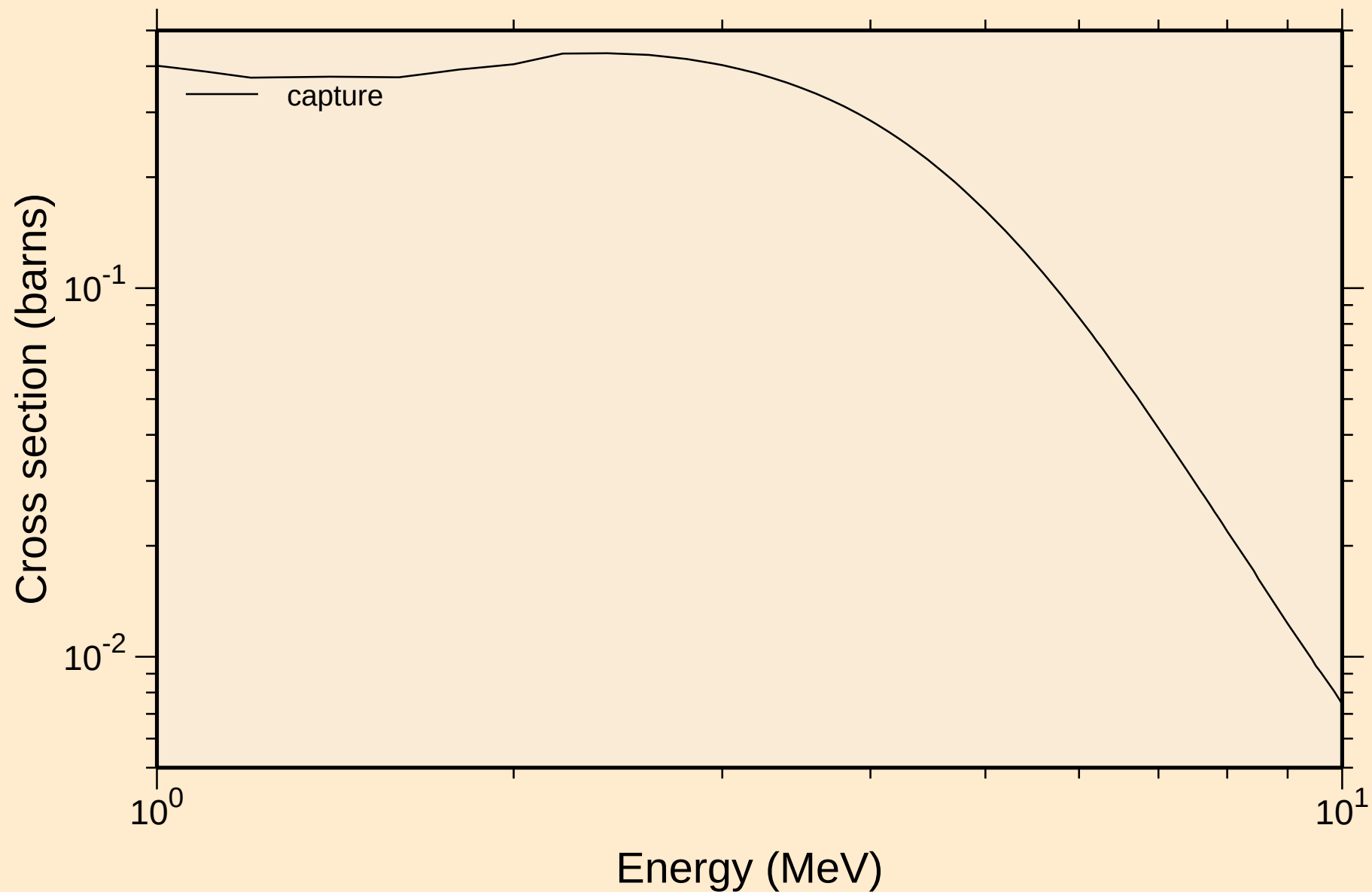
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

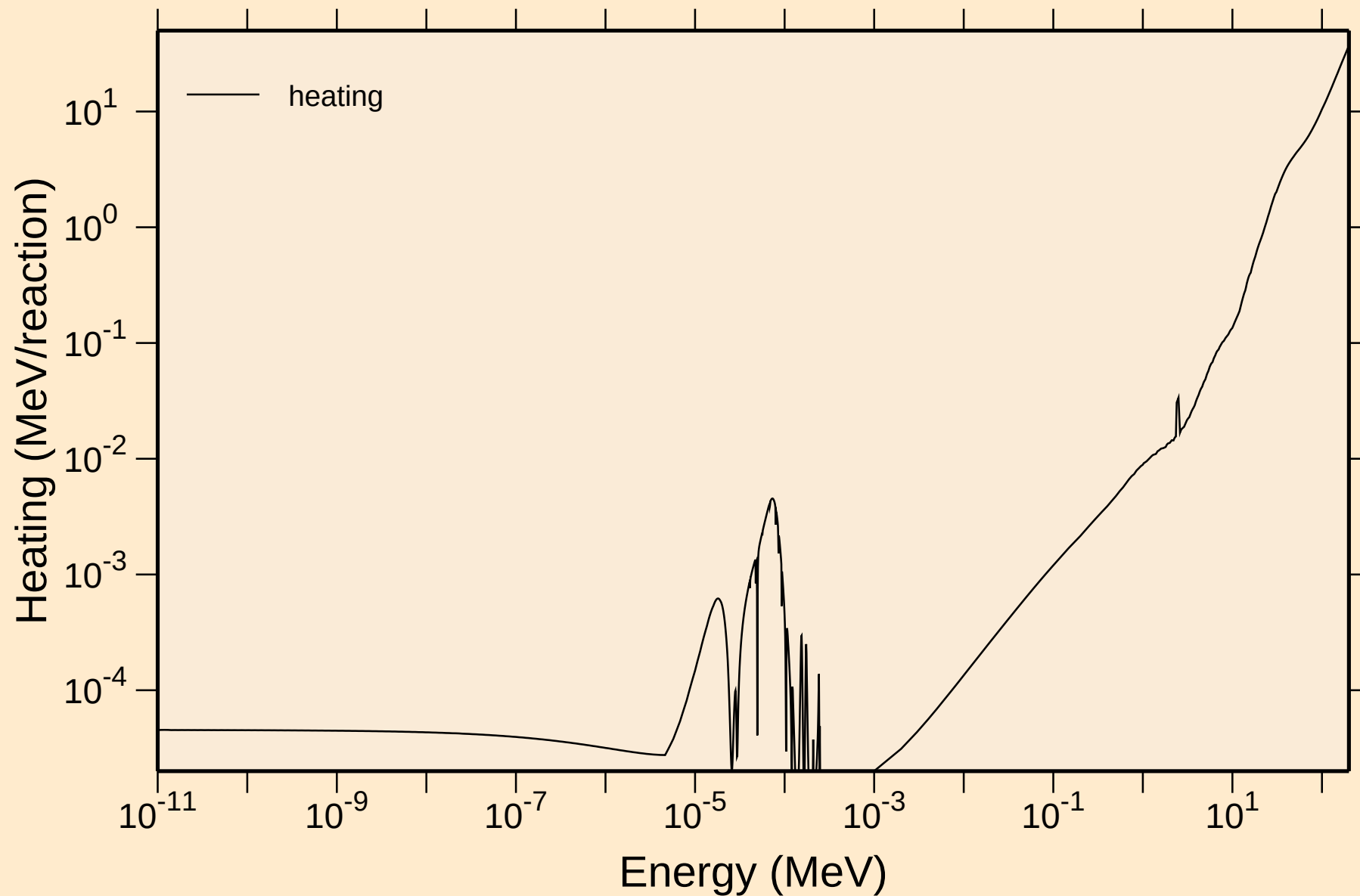


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



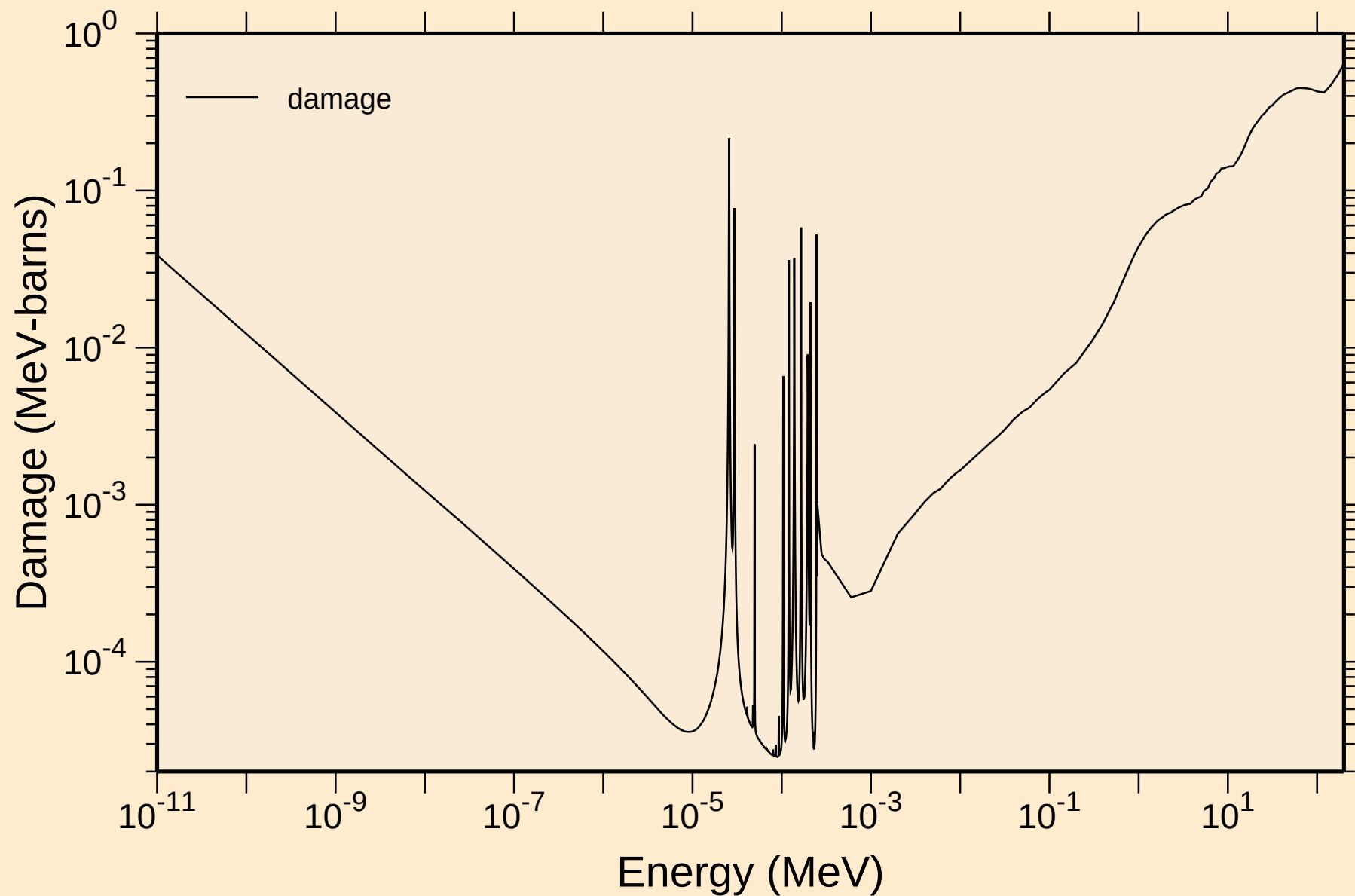
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



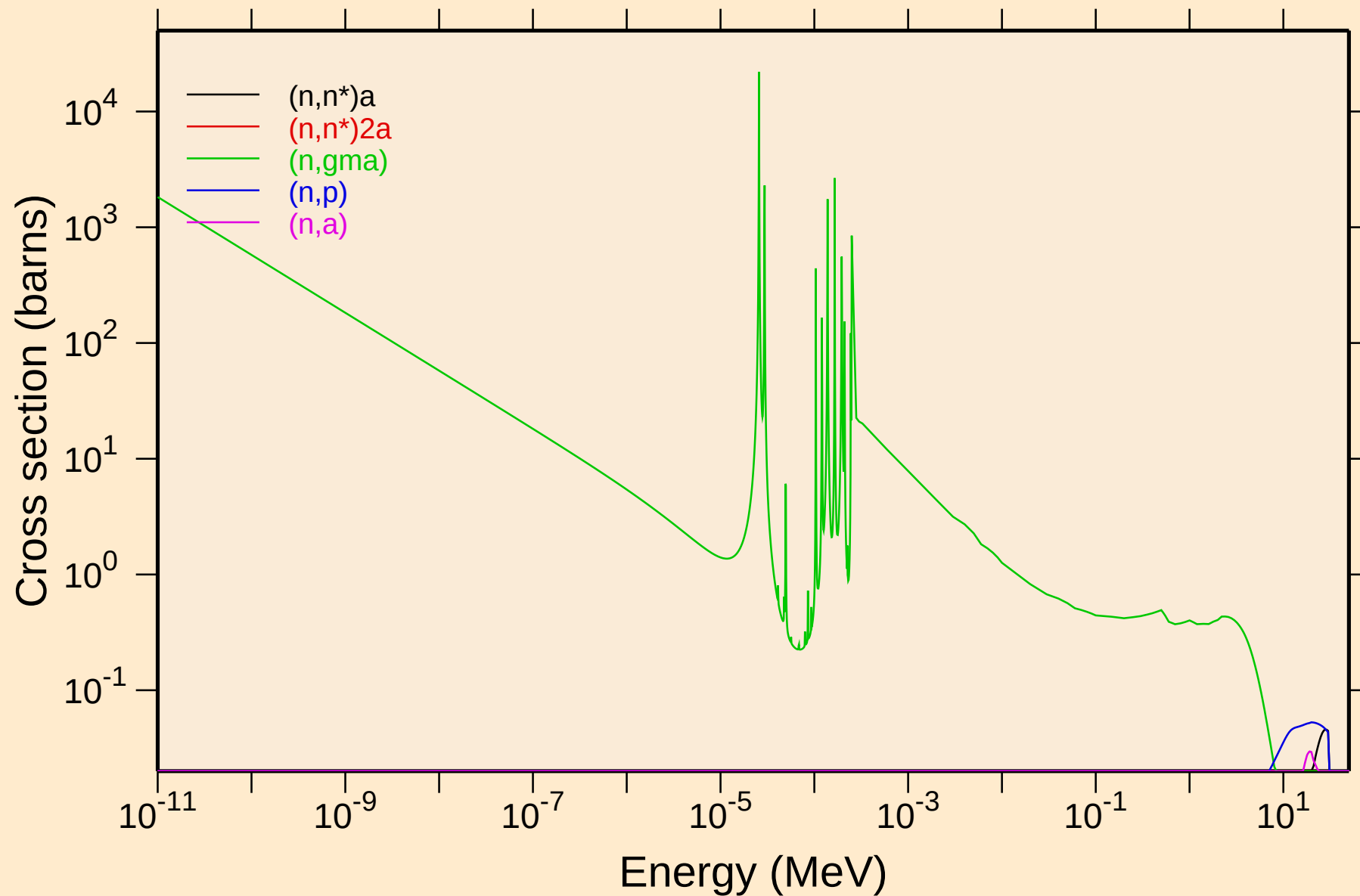
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

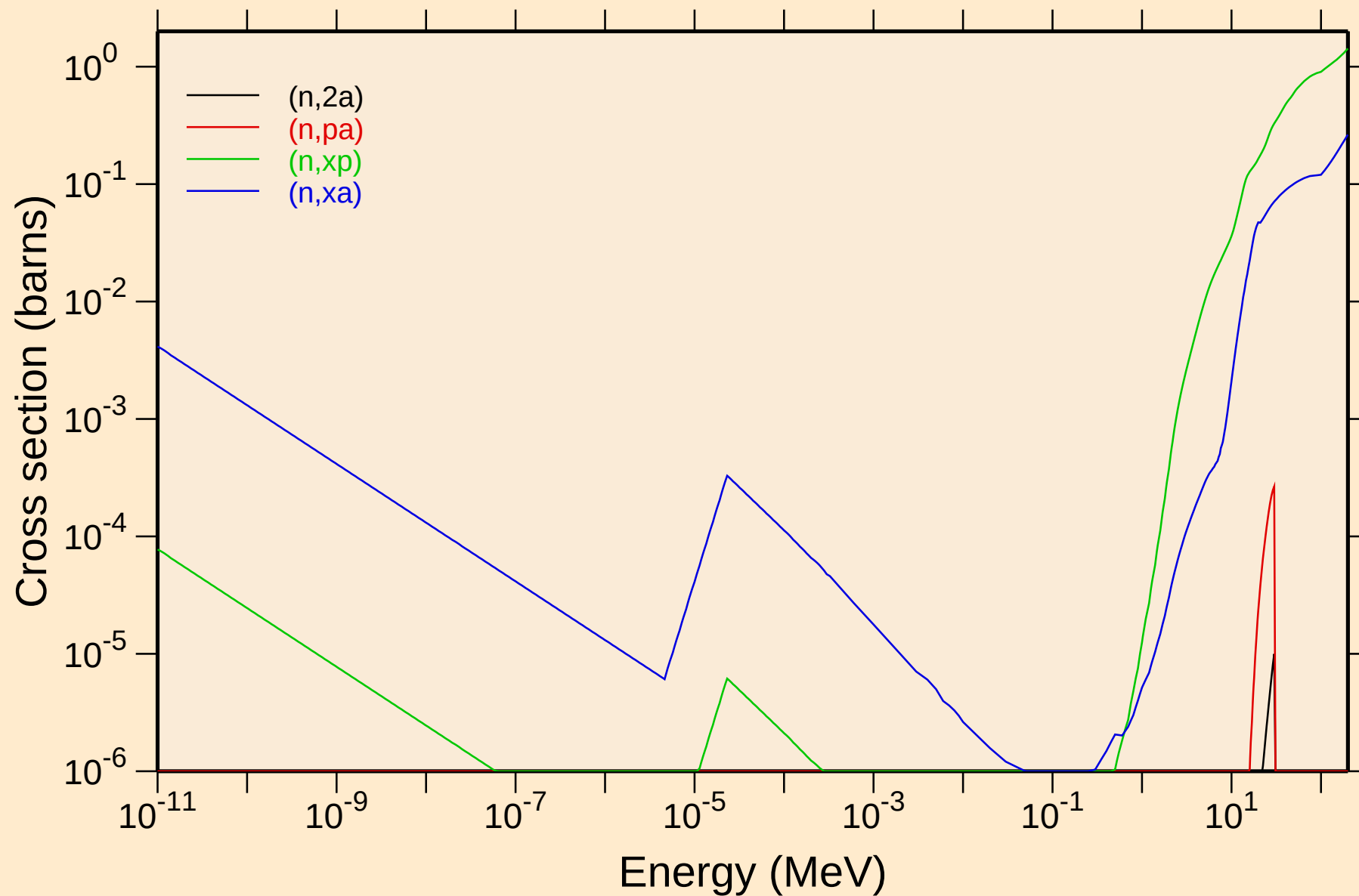


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

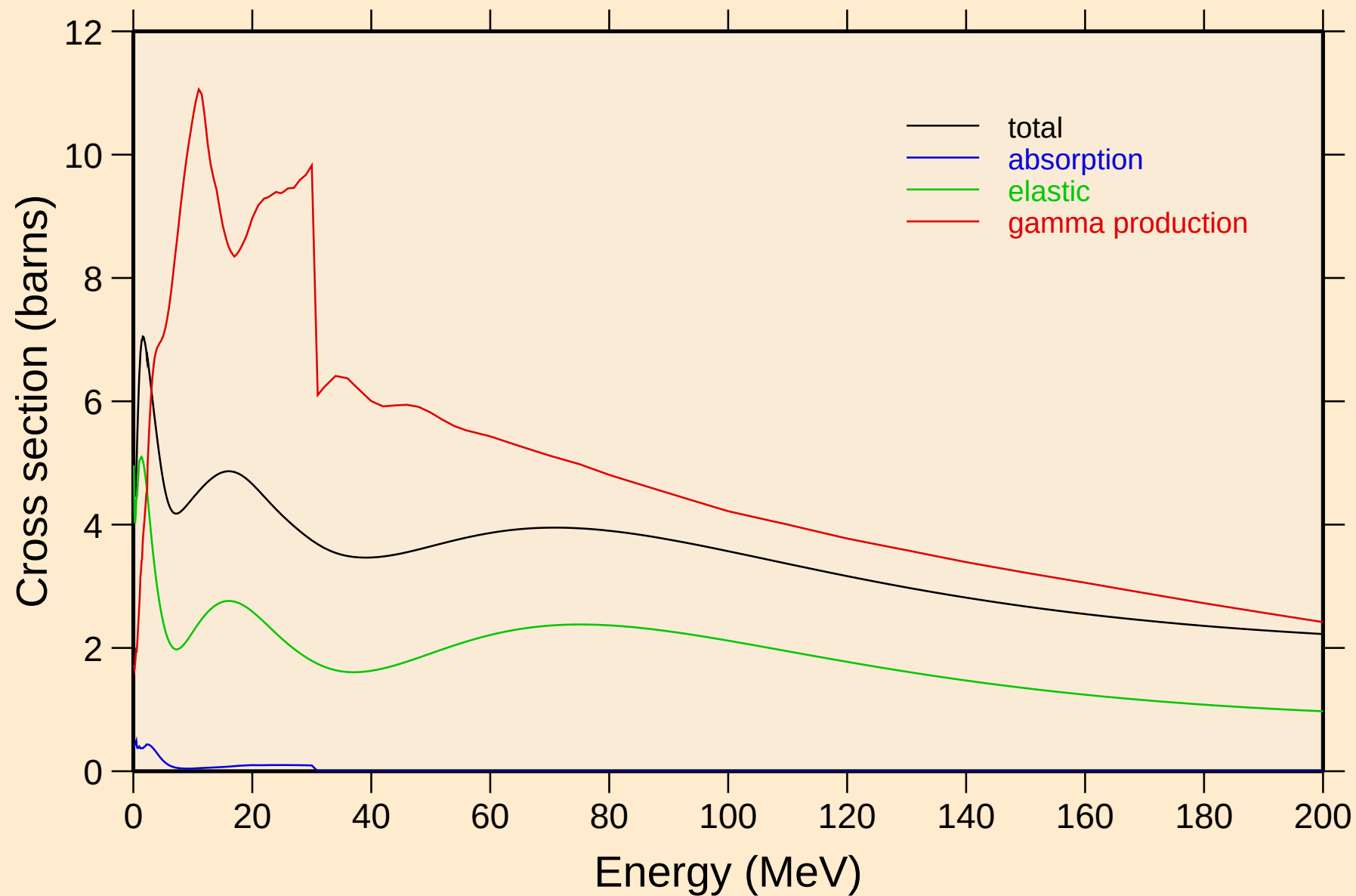


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



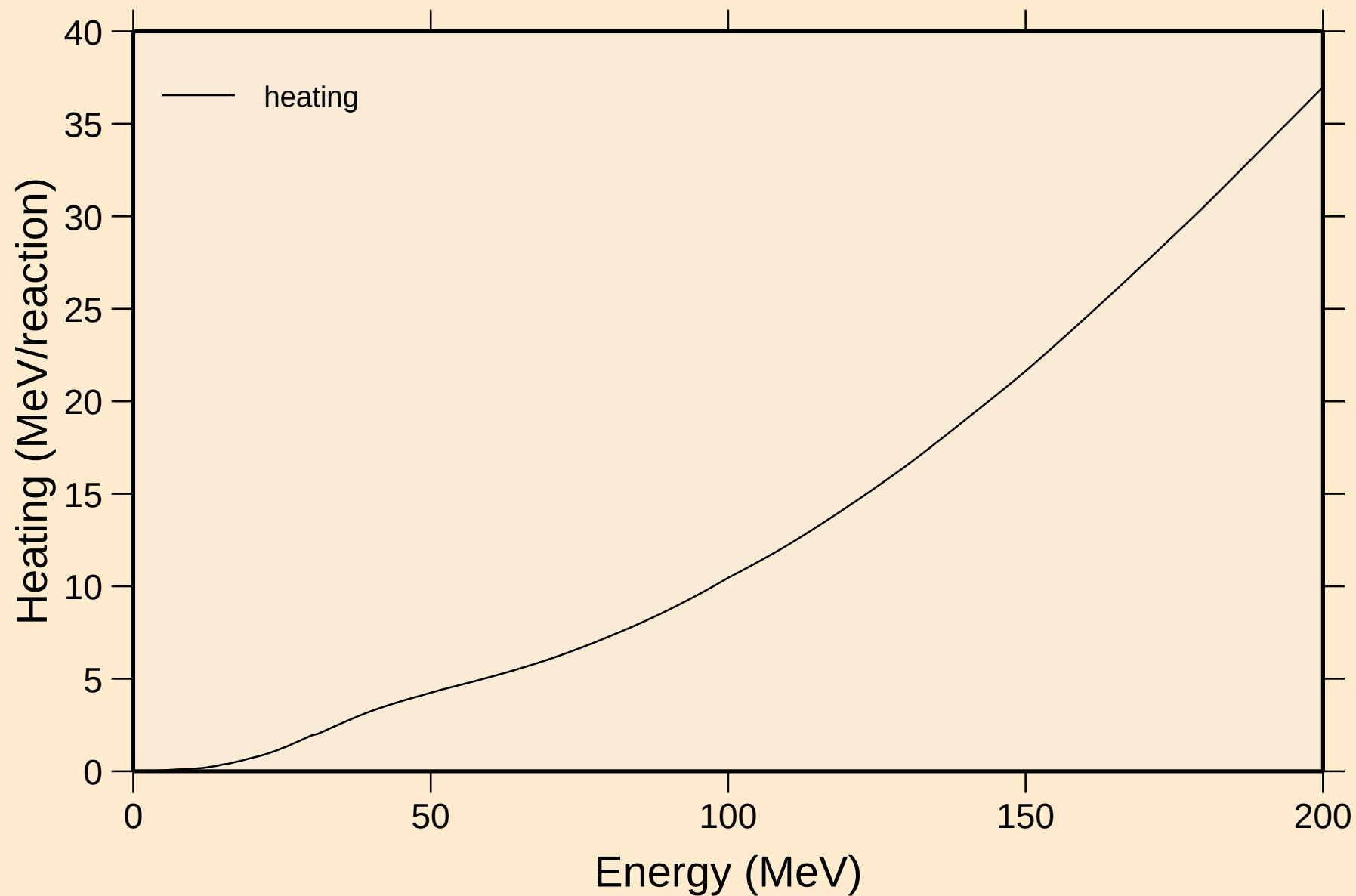
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



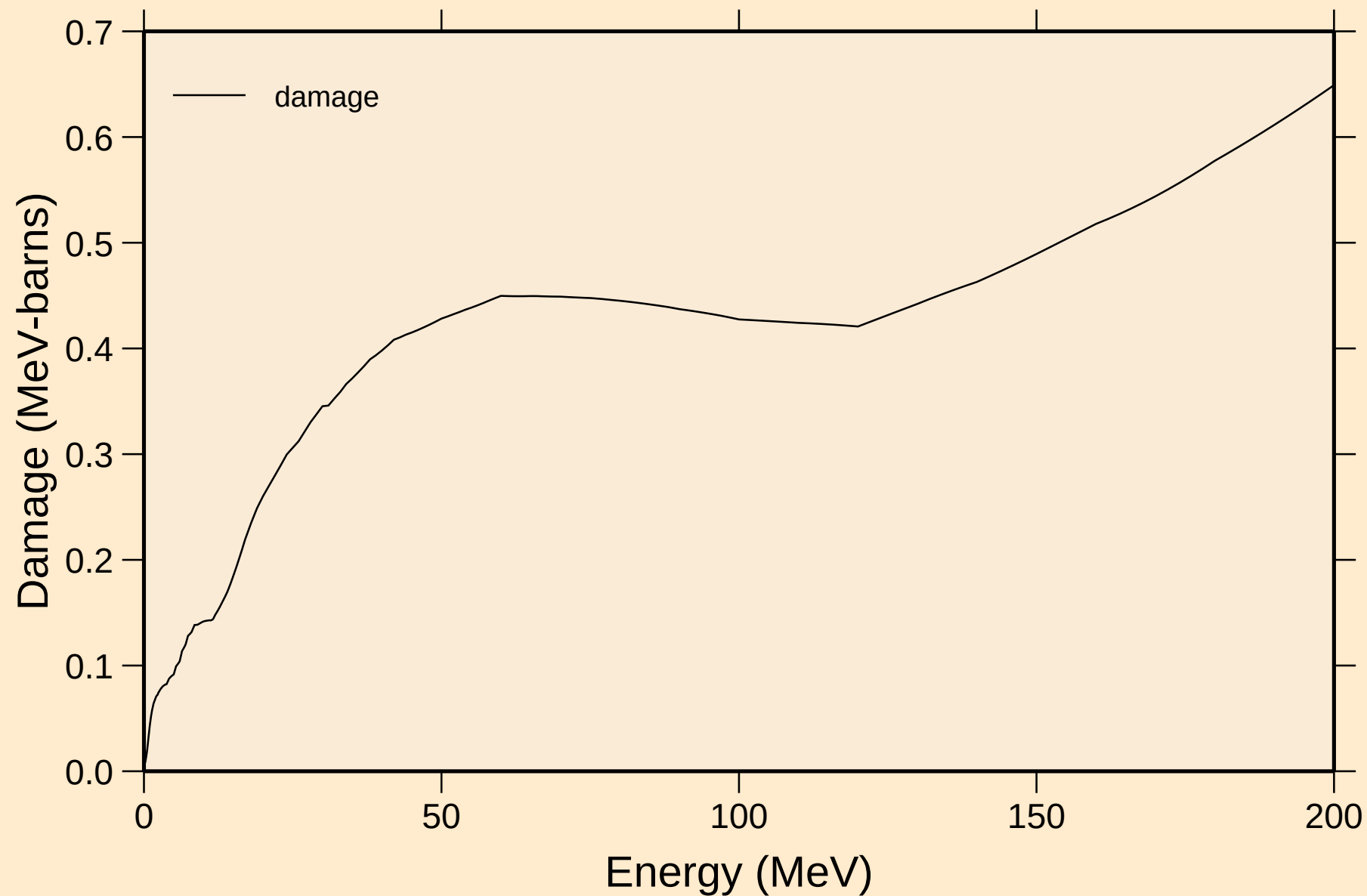
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

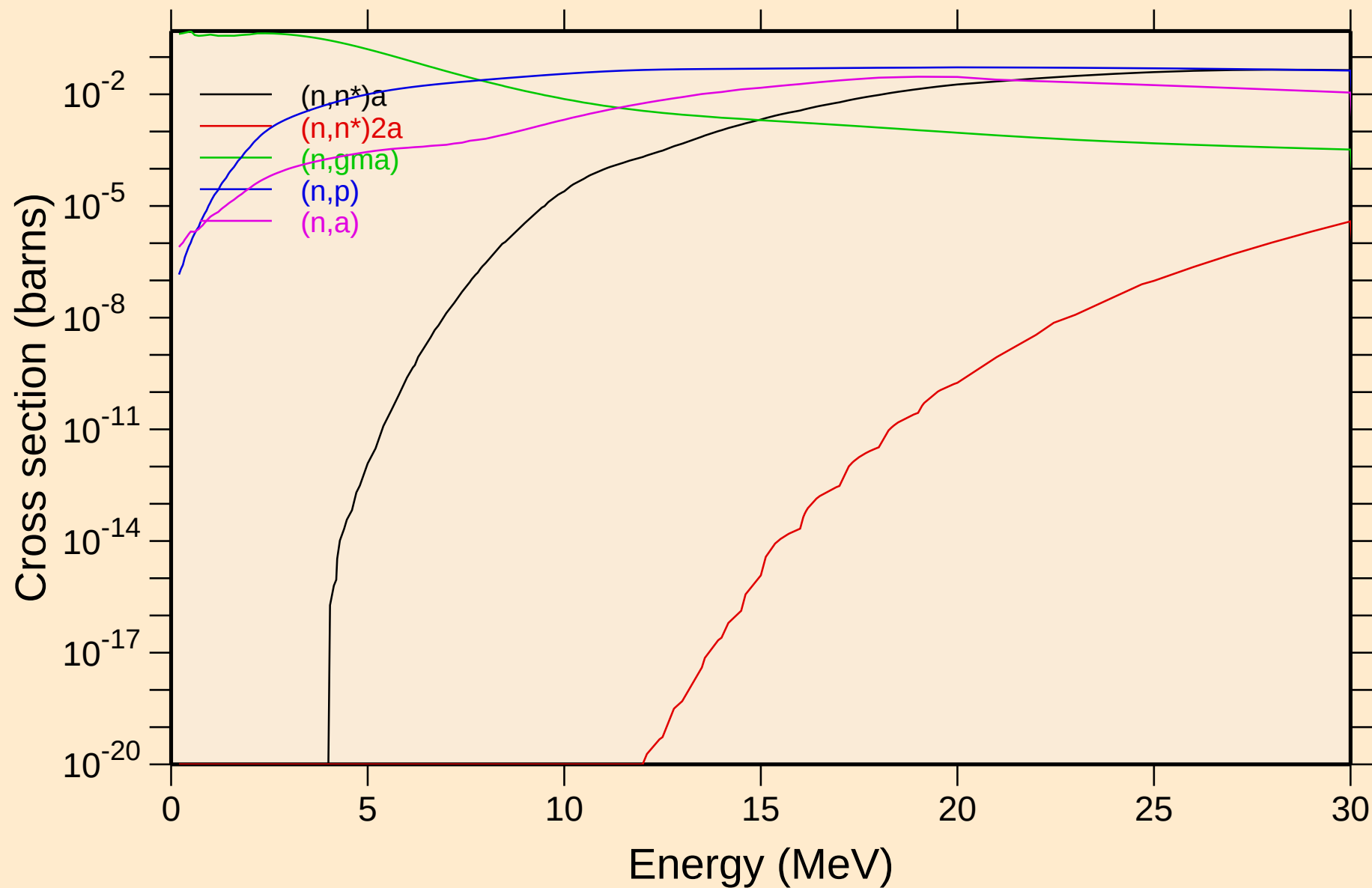


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

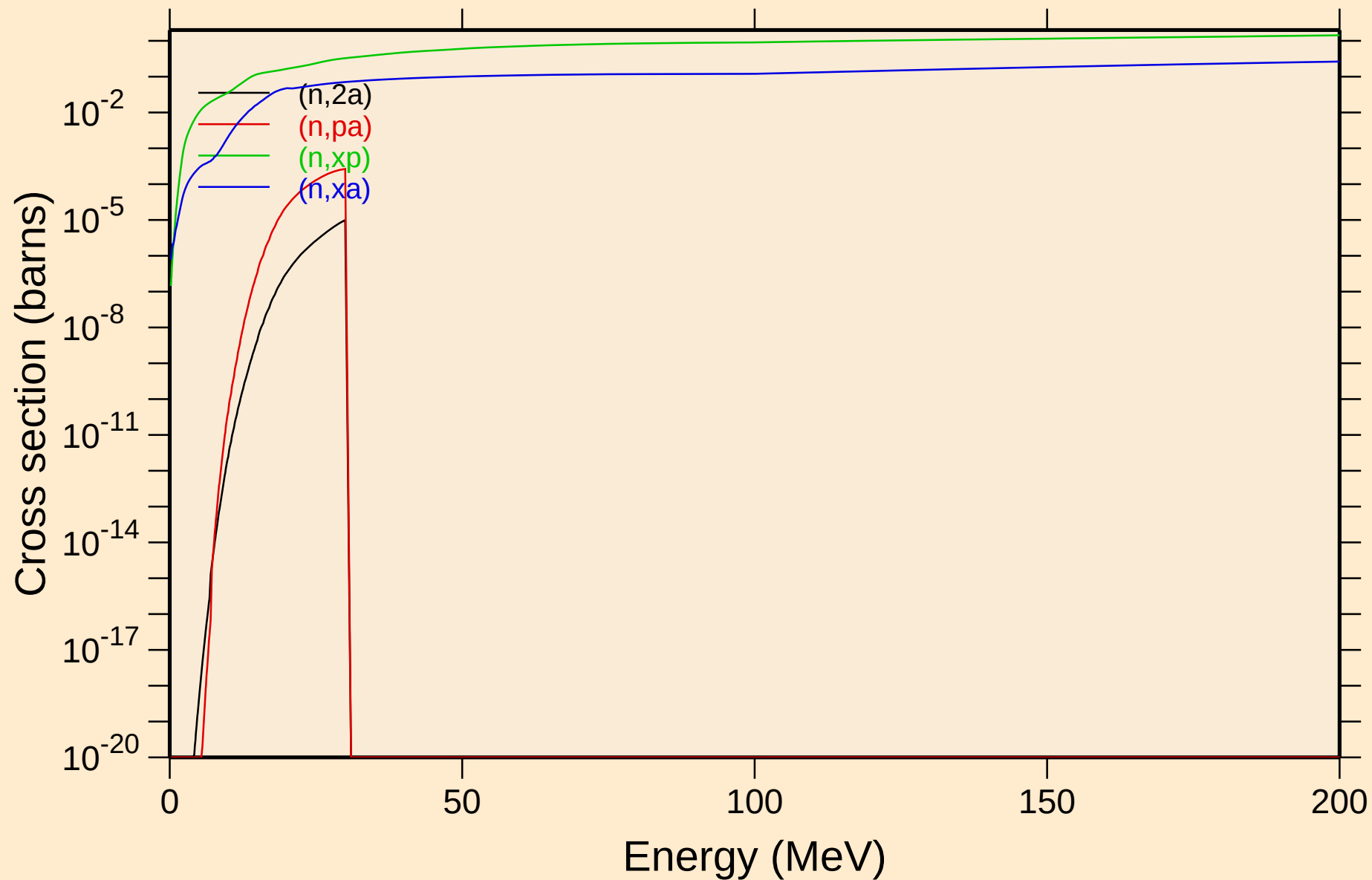
Damage



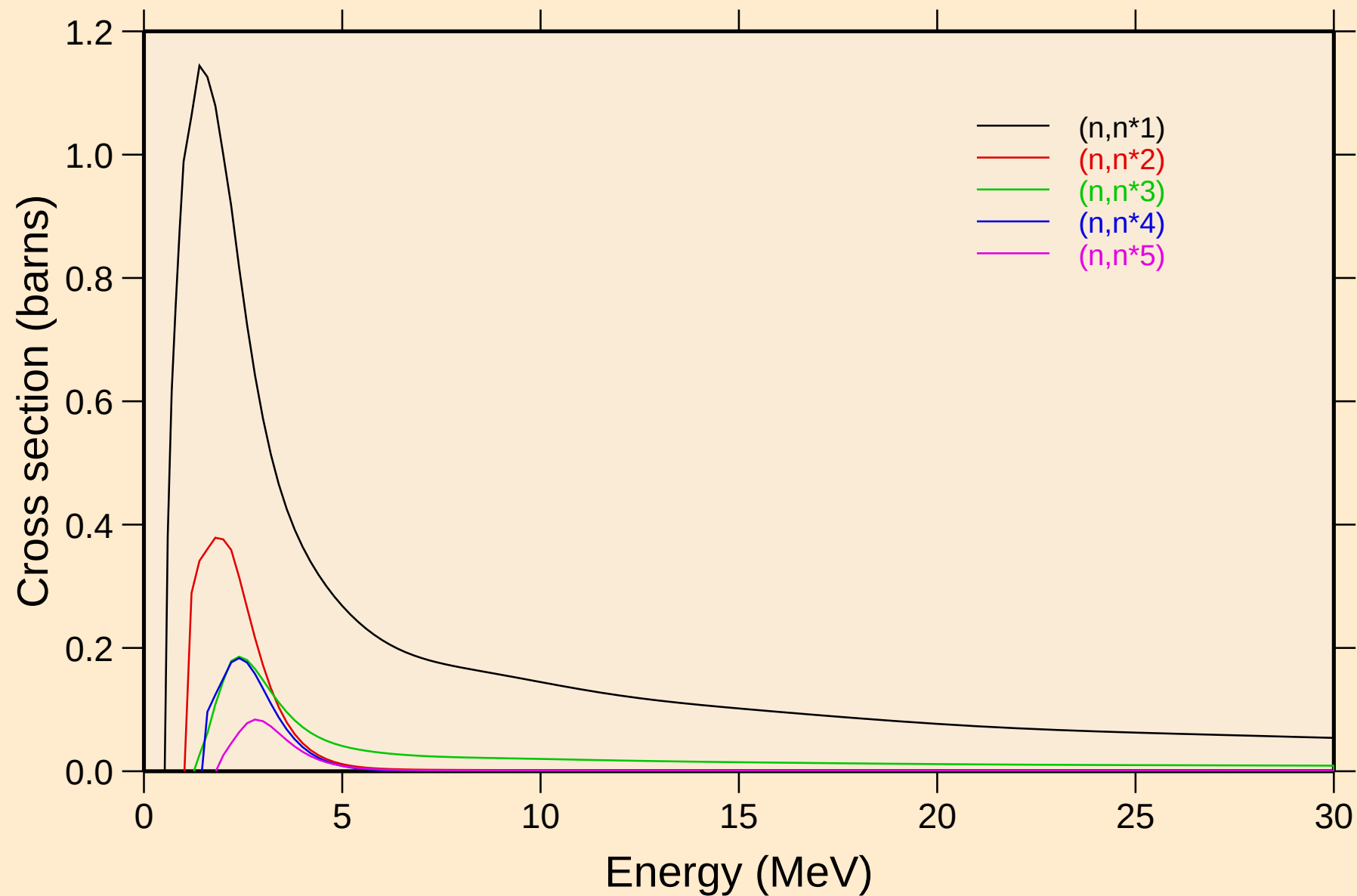
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

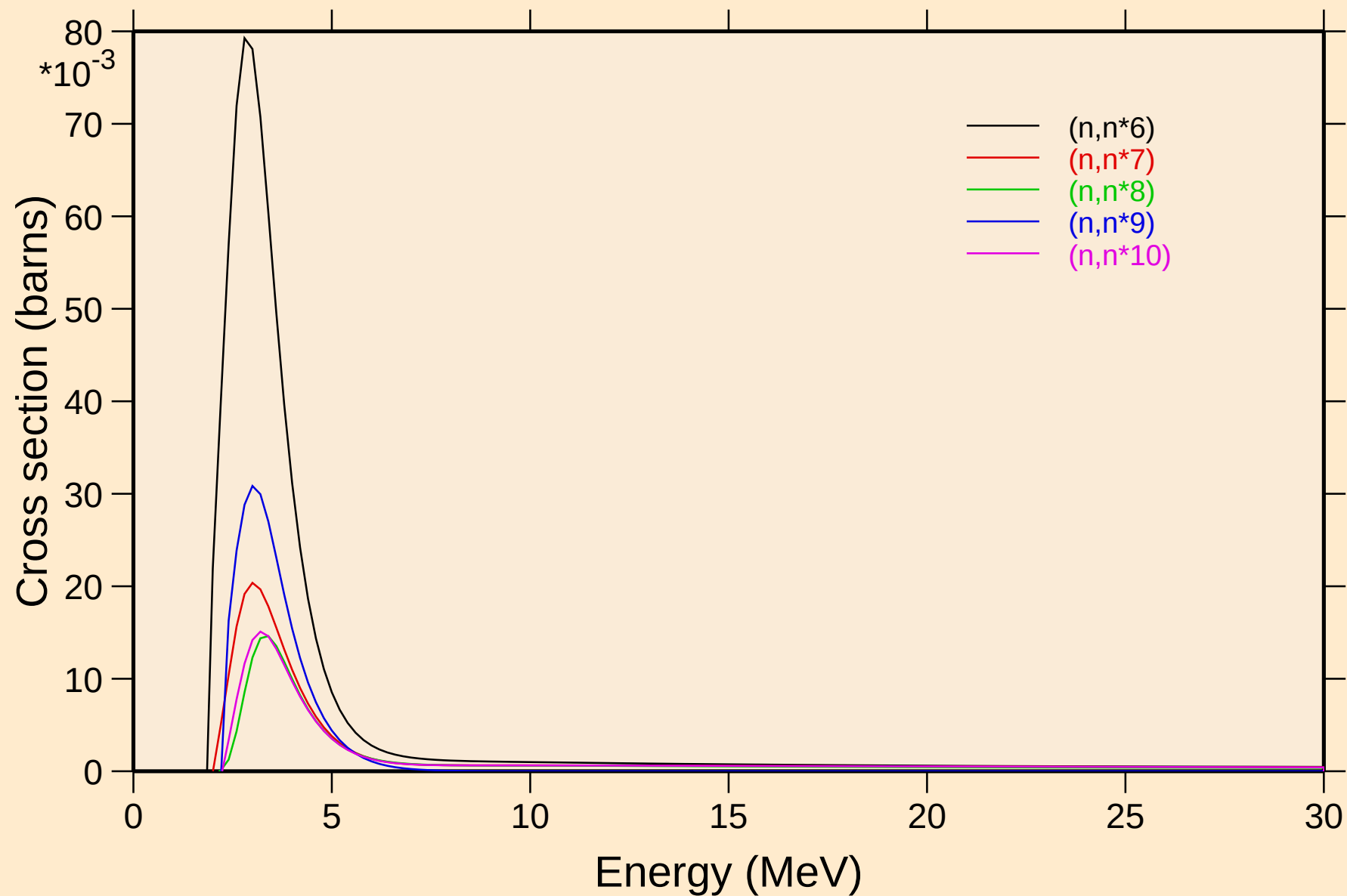


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



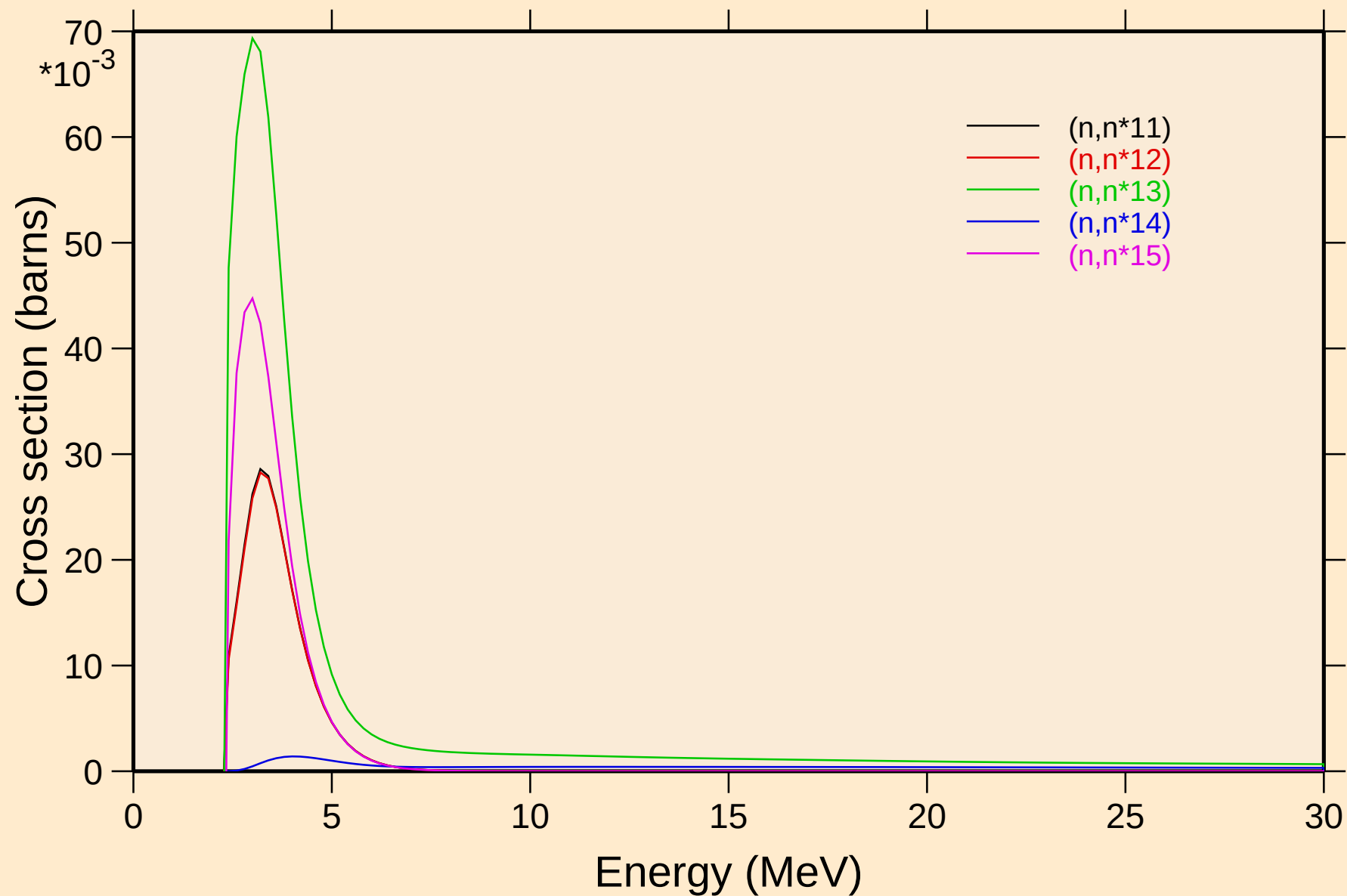
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



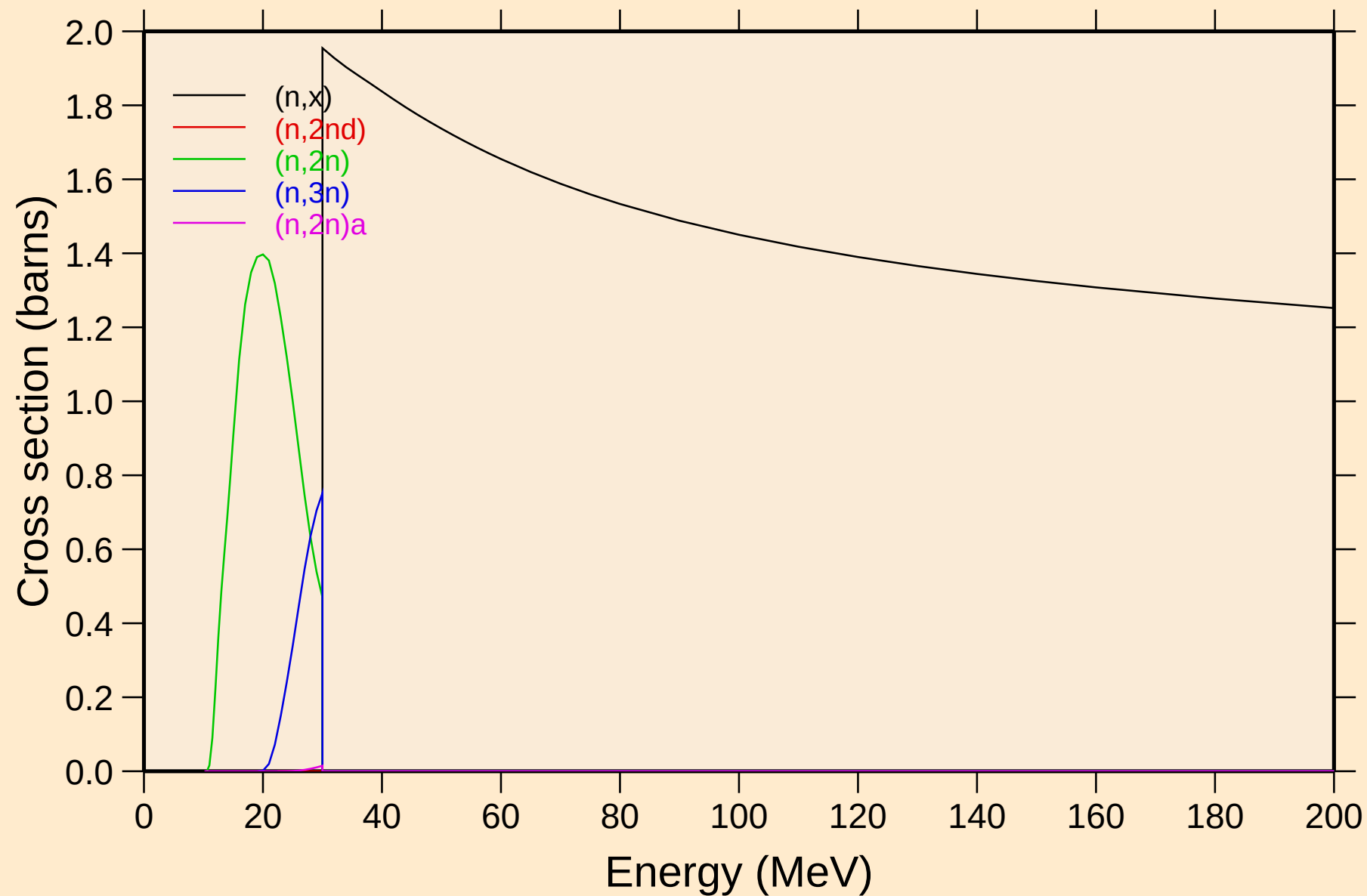
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



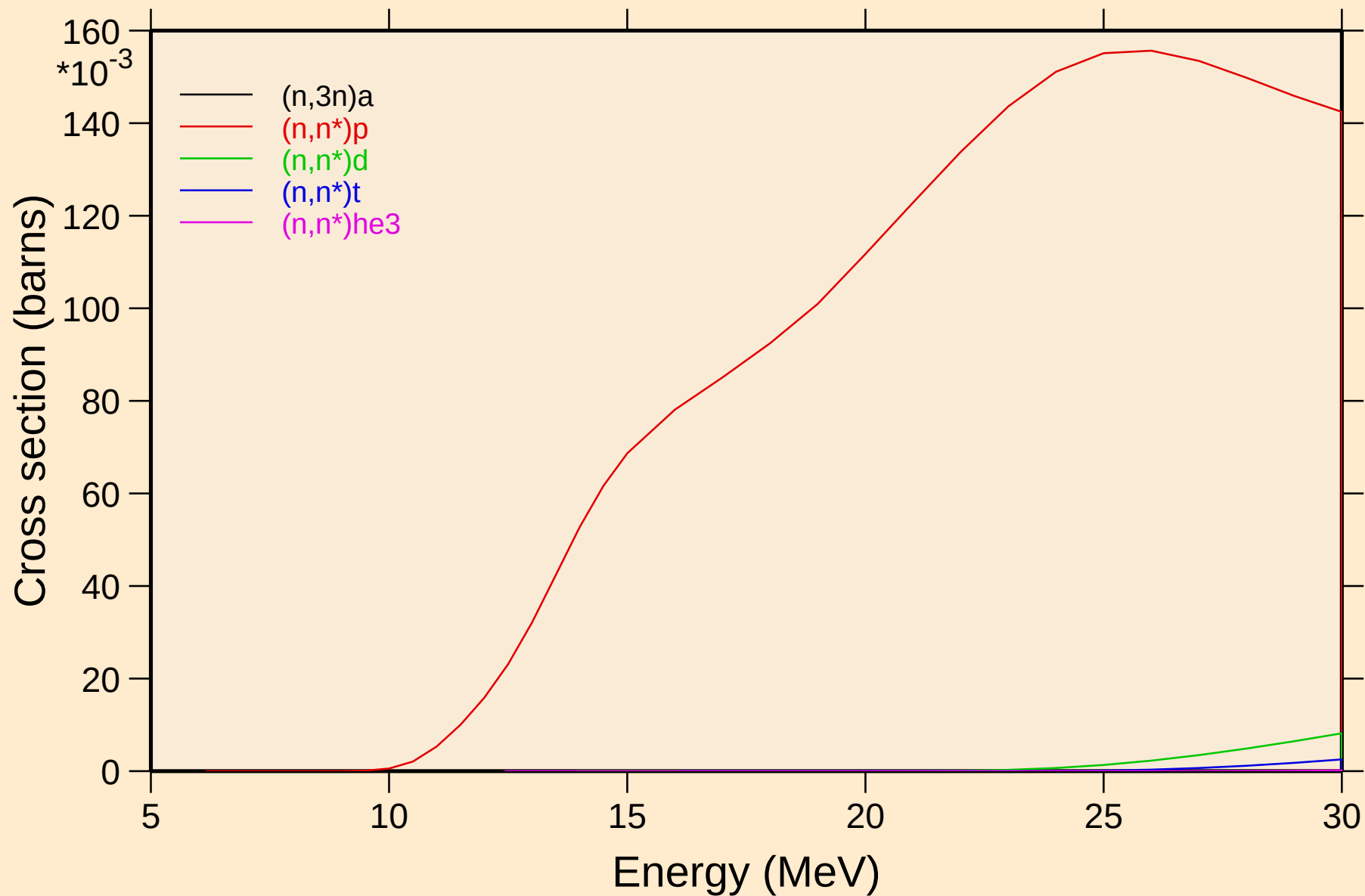
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



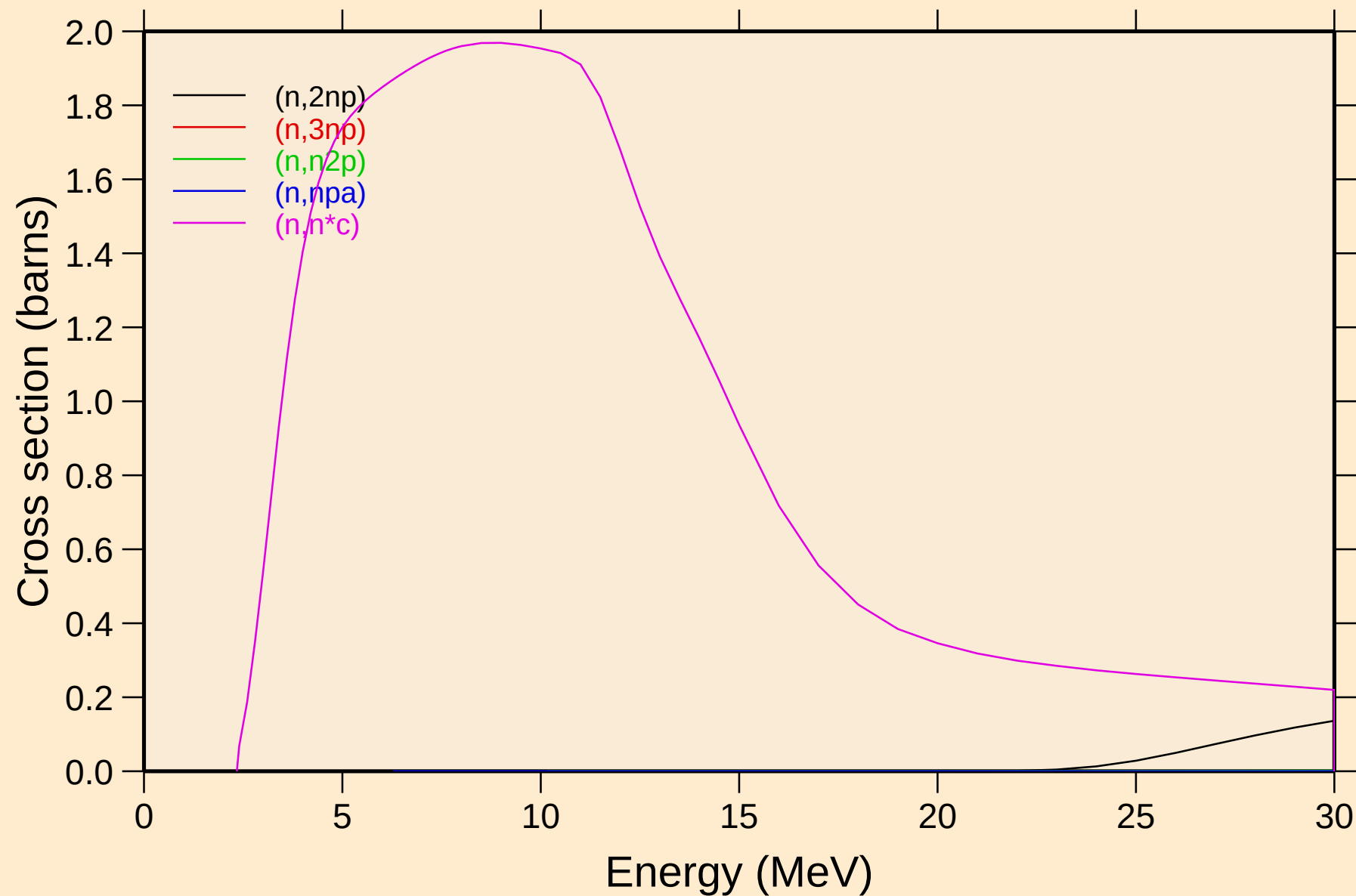
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



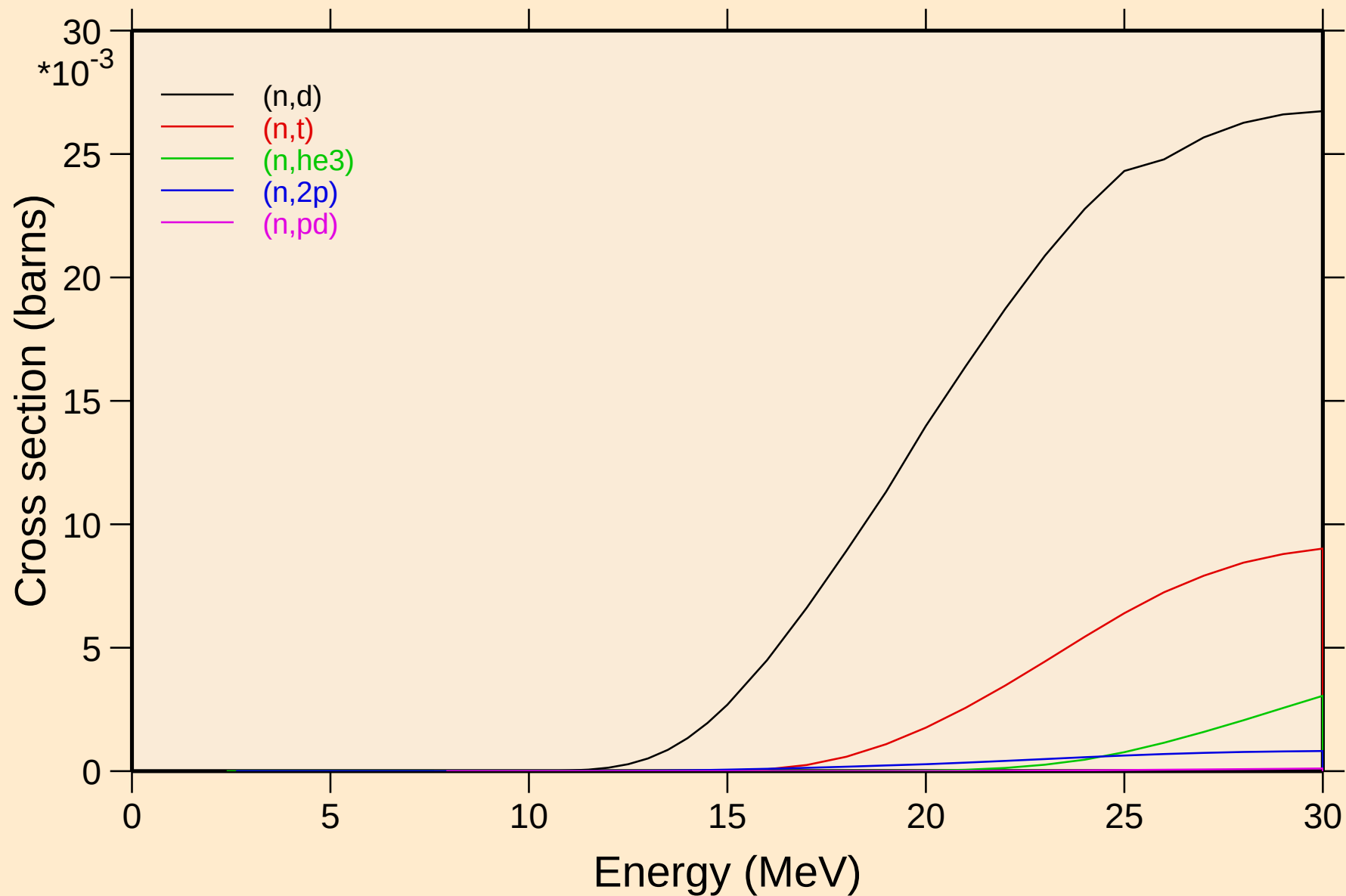
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



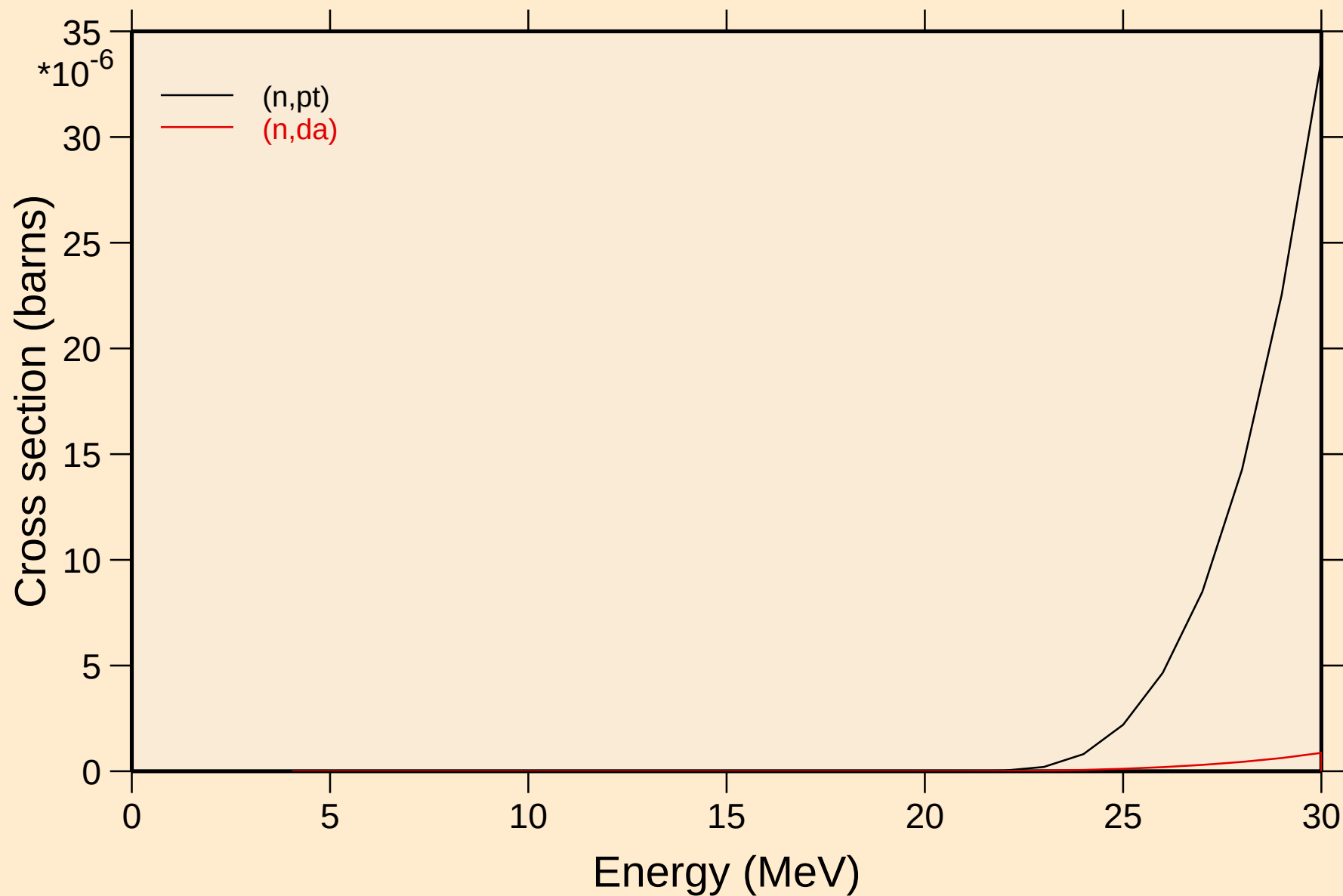
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



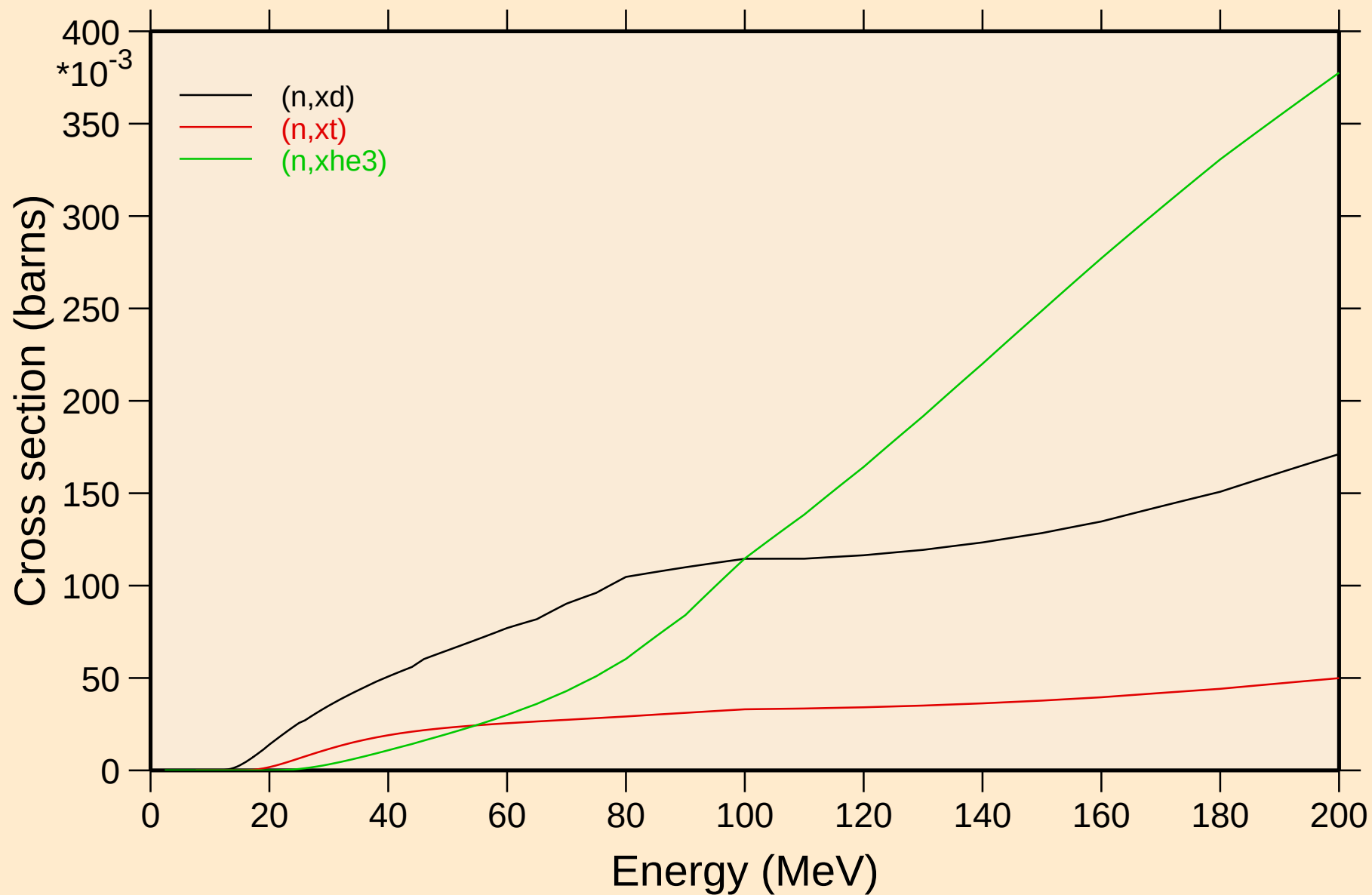
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

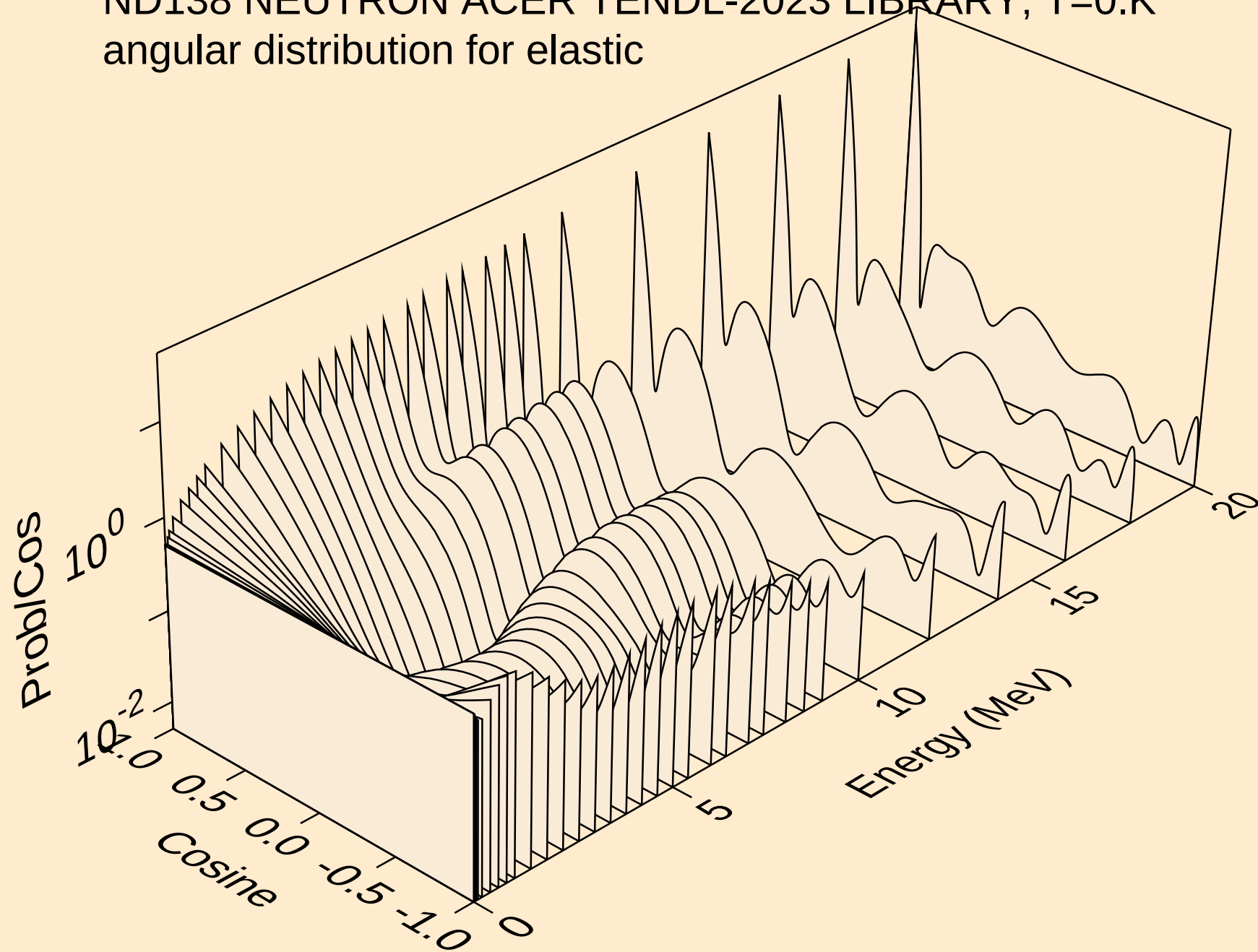


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

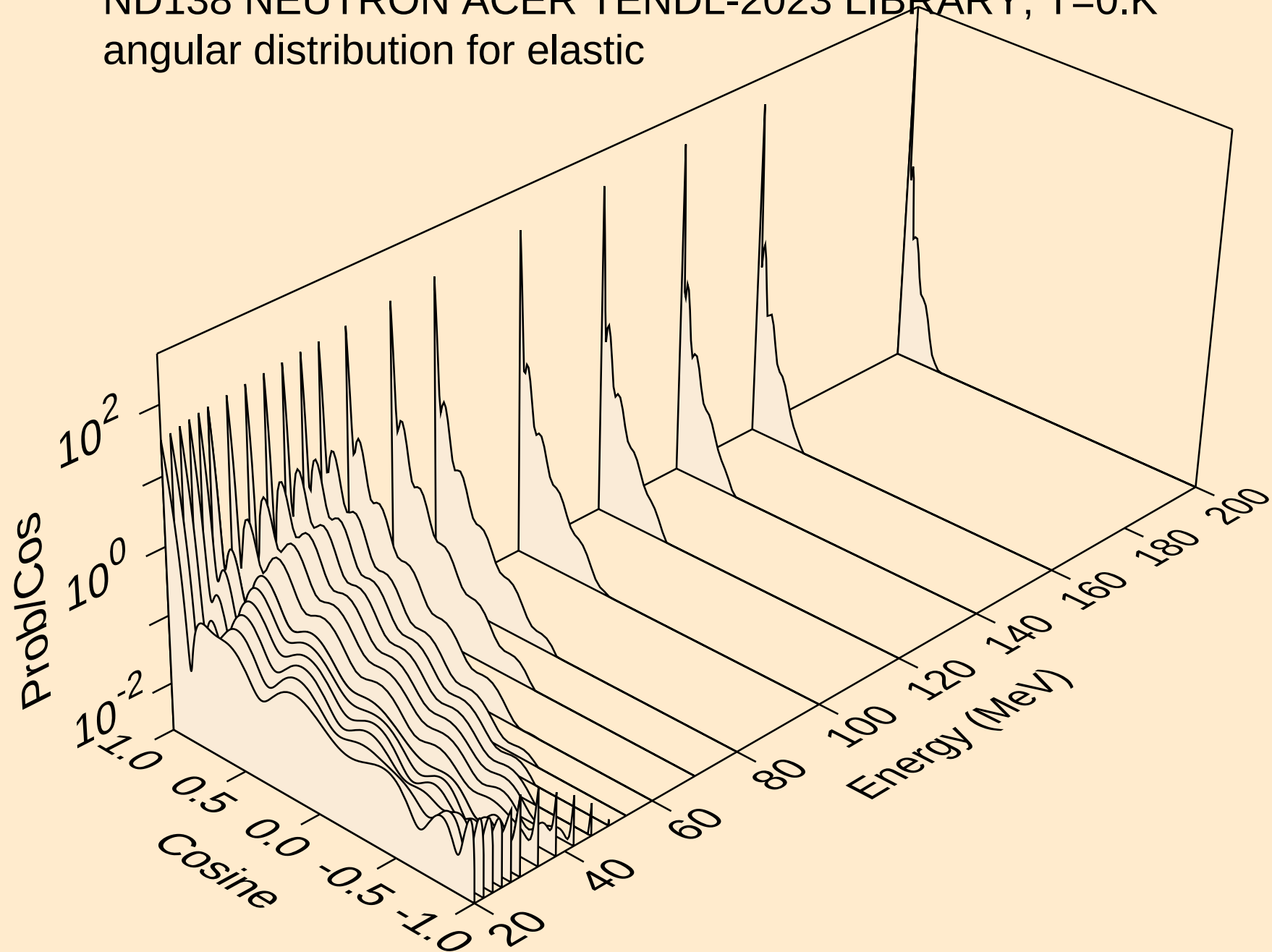
Threshold reactions



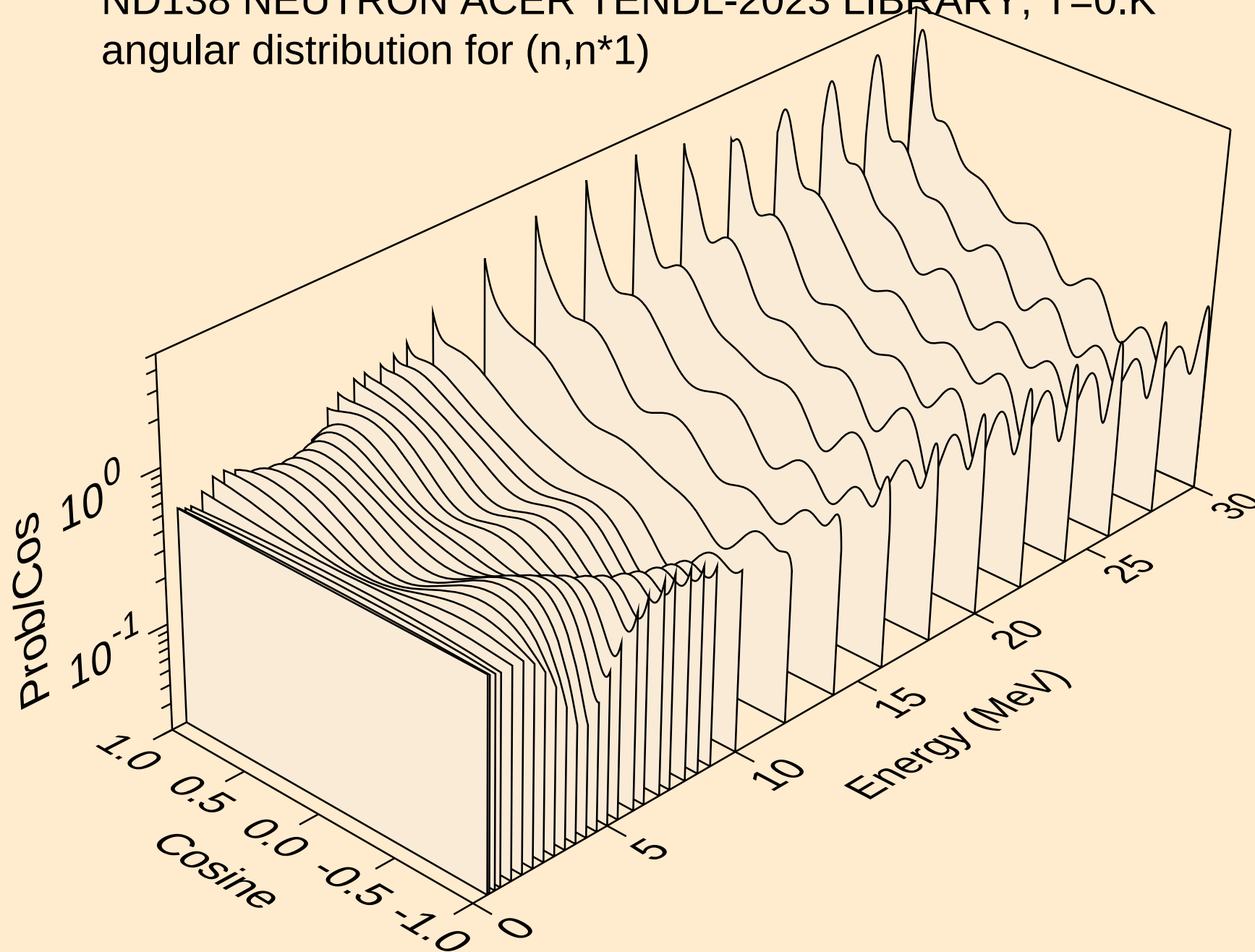
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



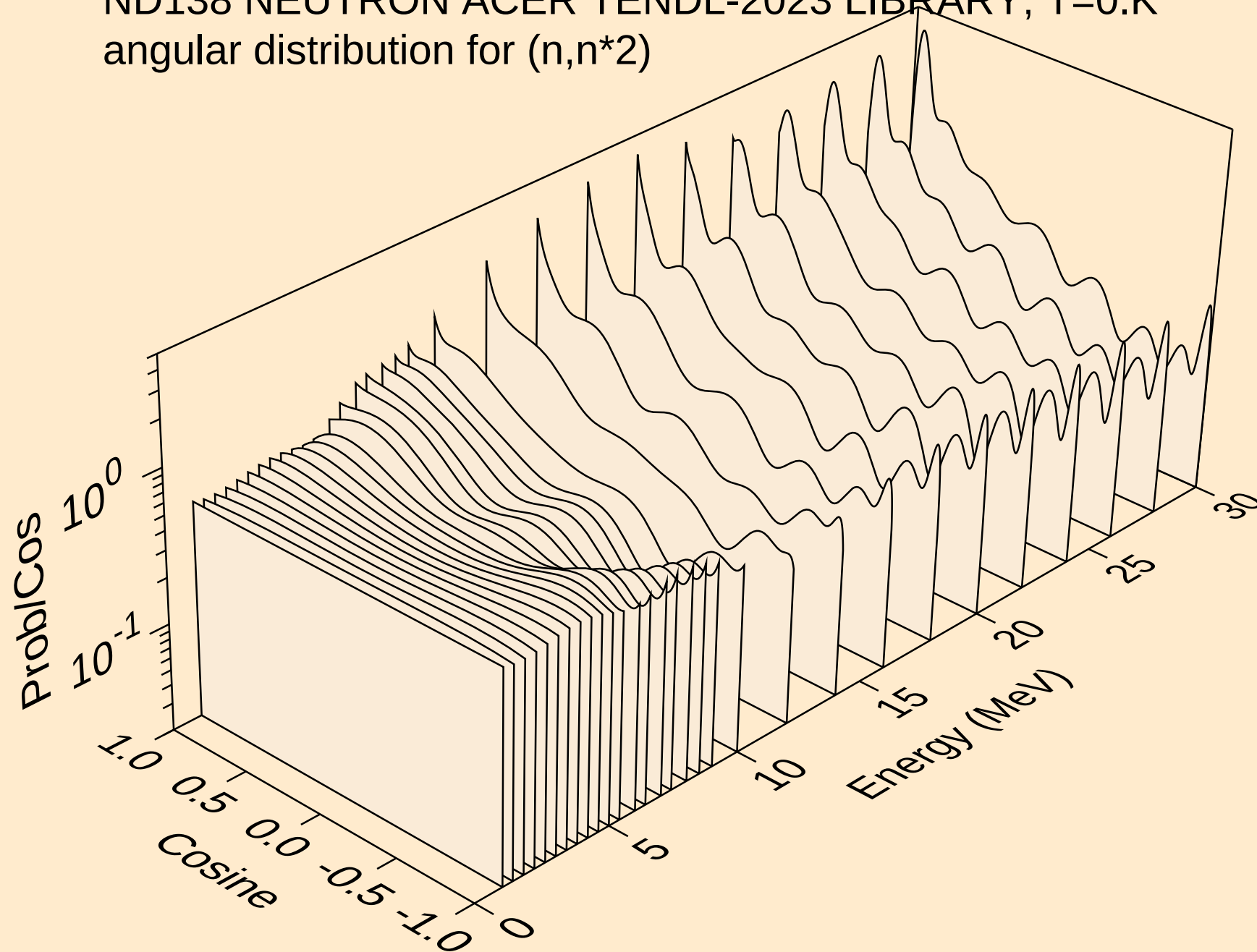
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



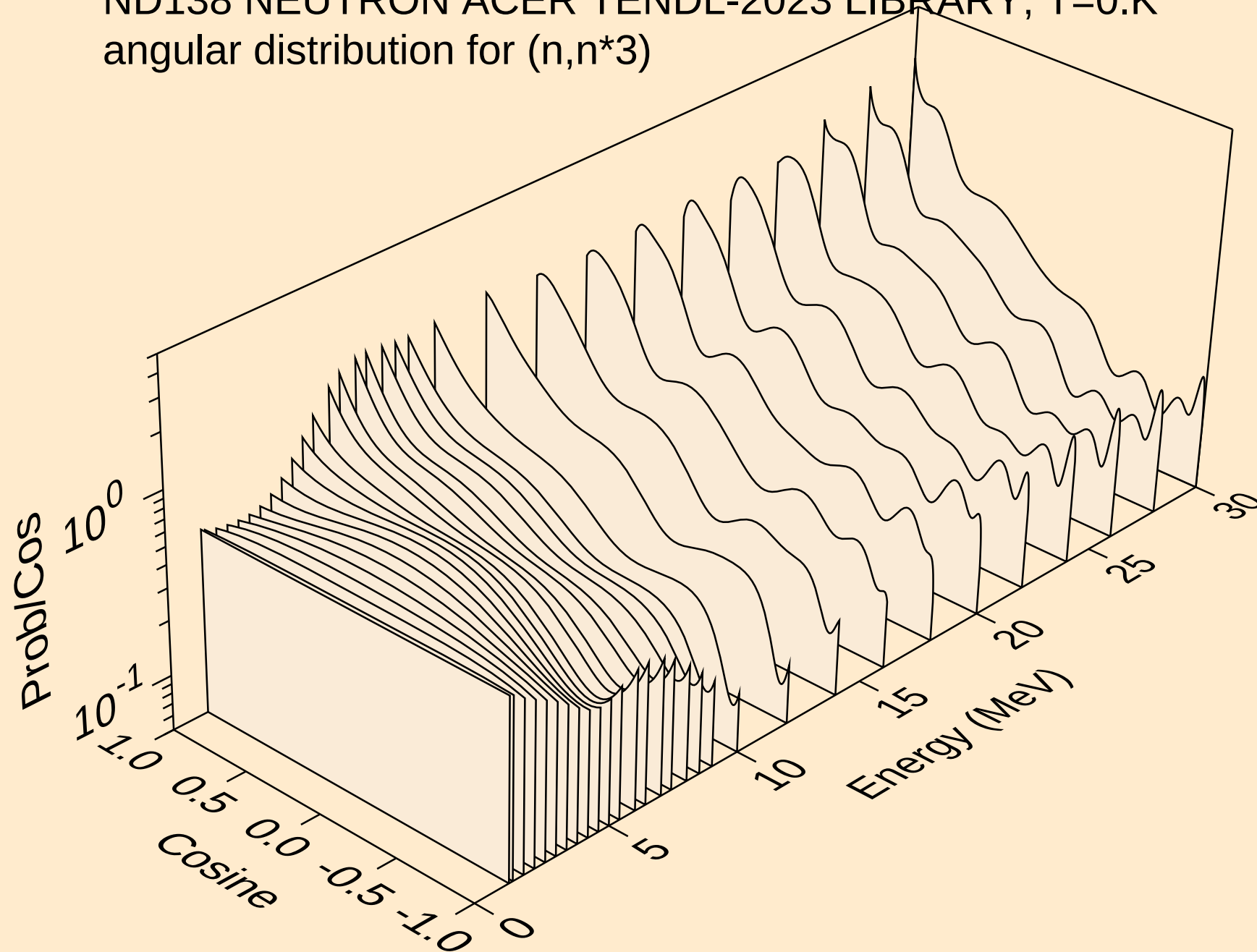
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



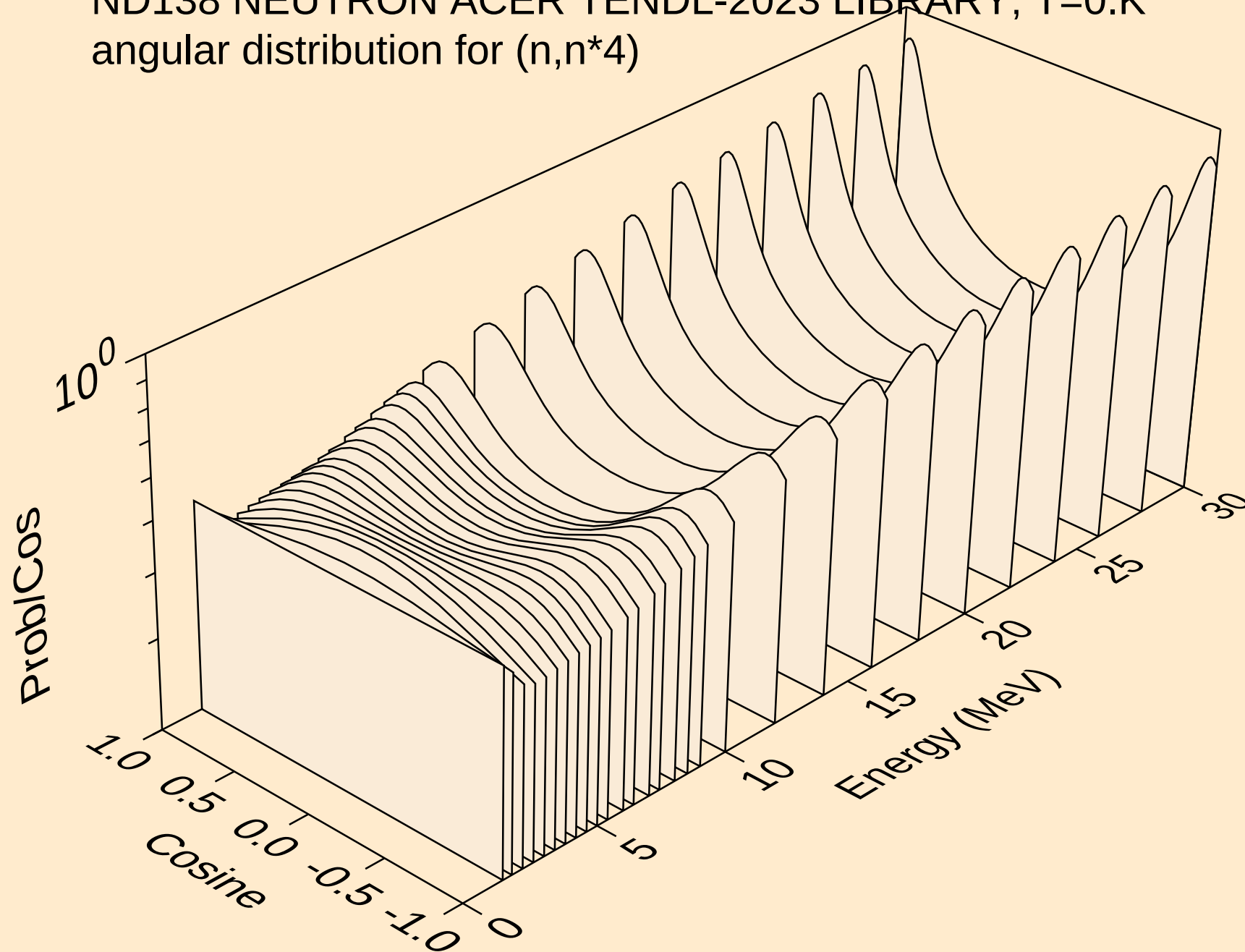
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



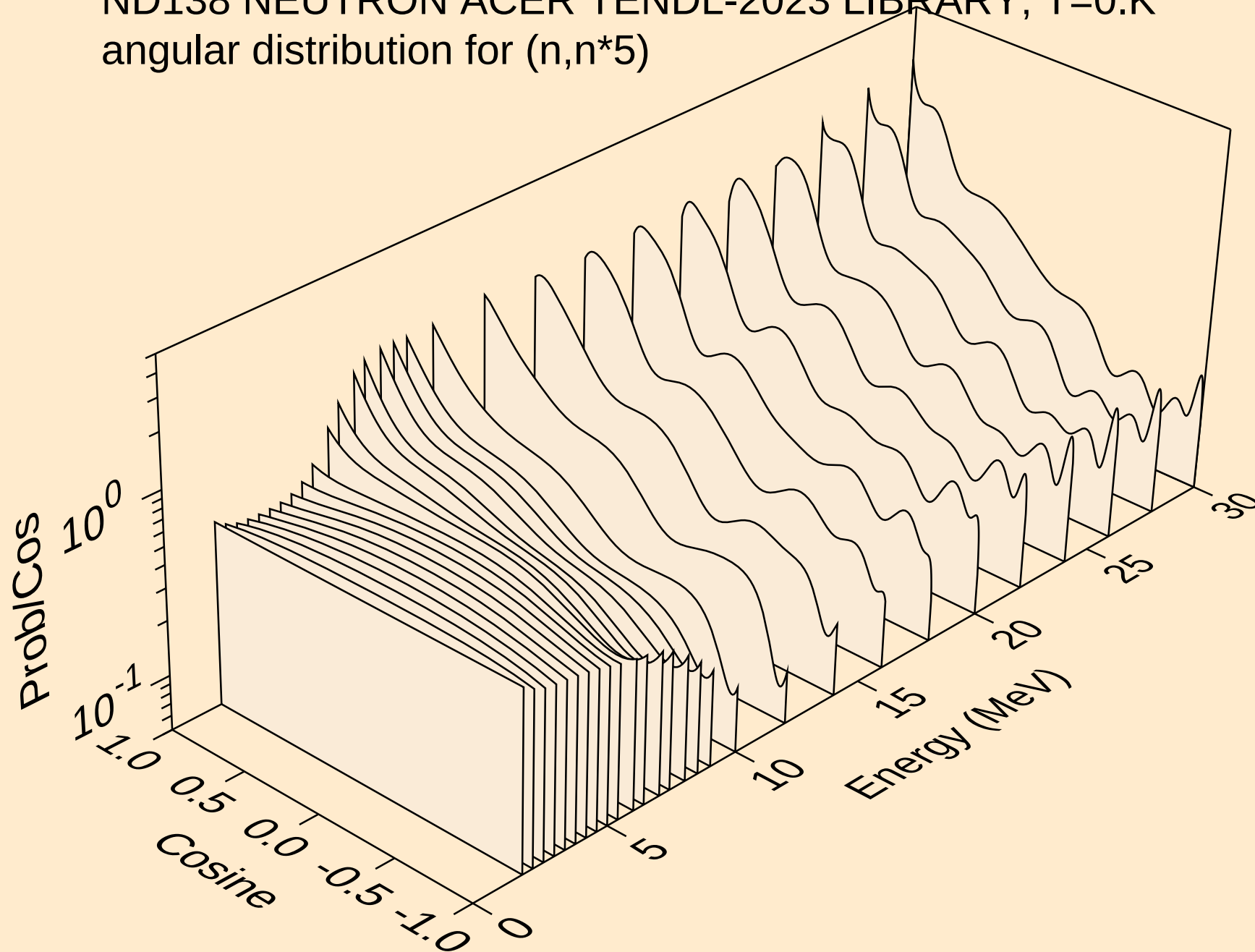
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



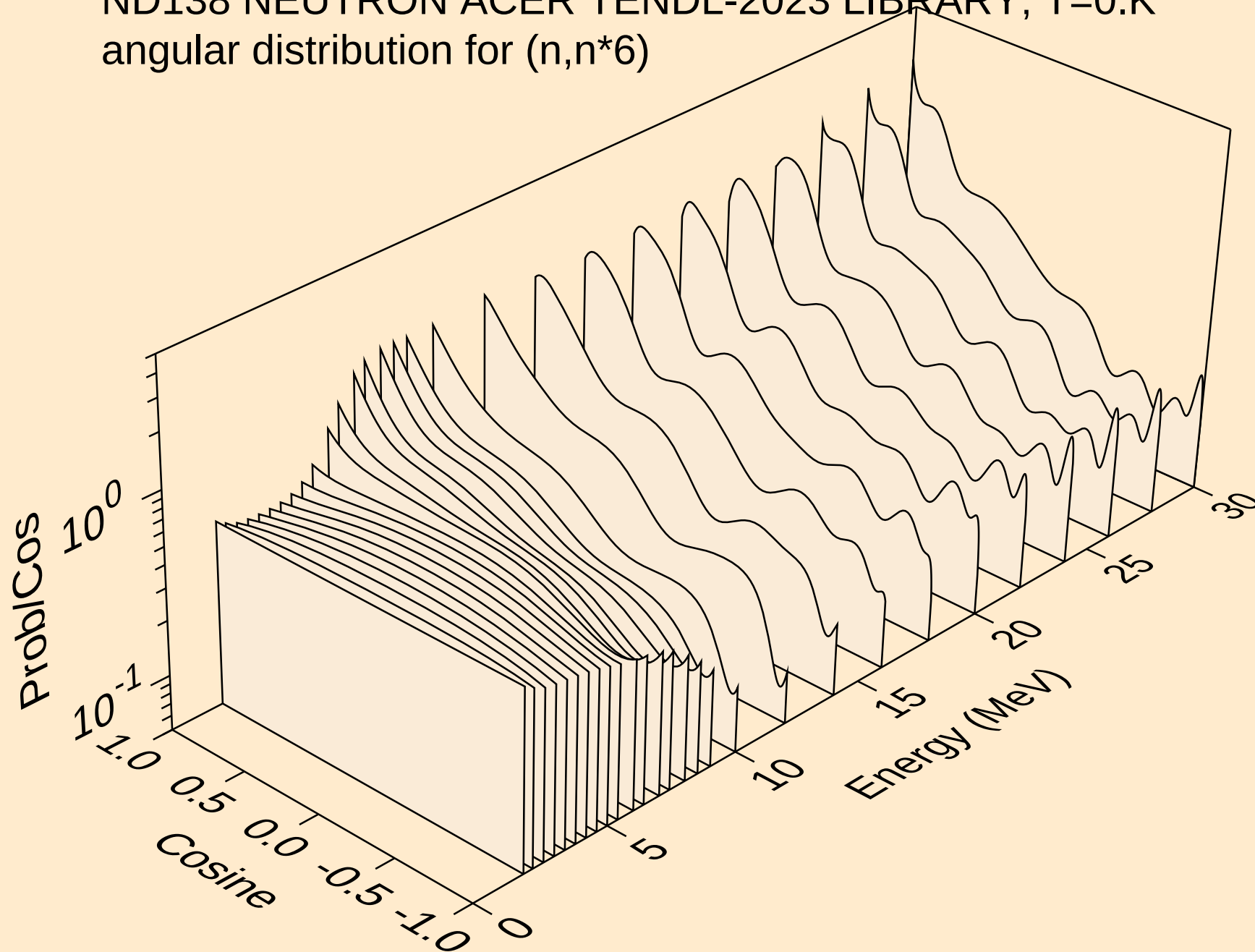
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



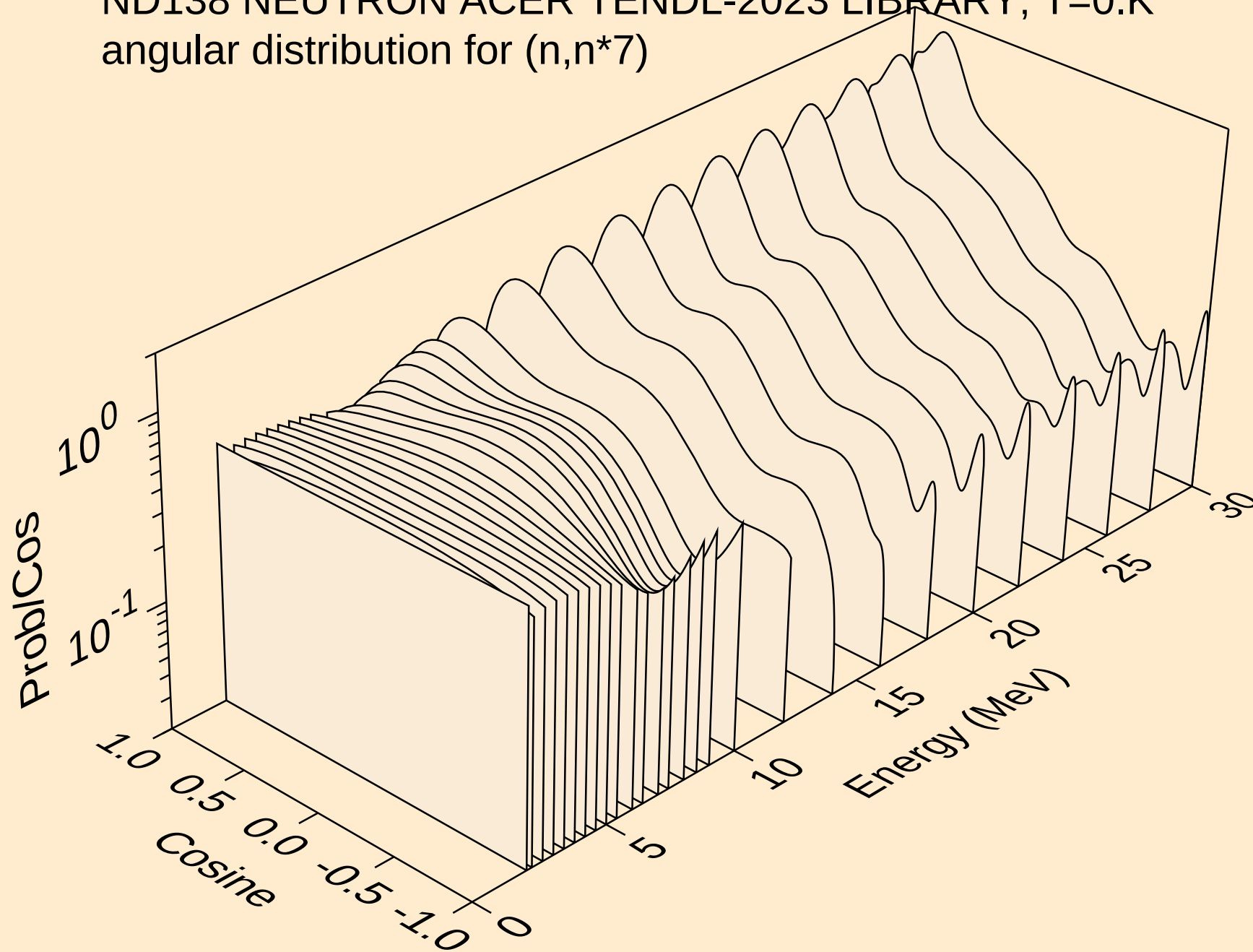
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



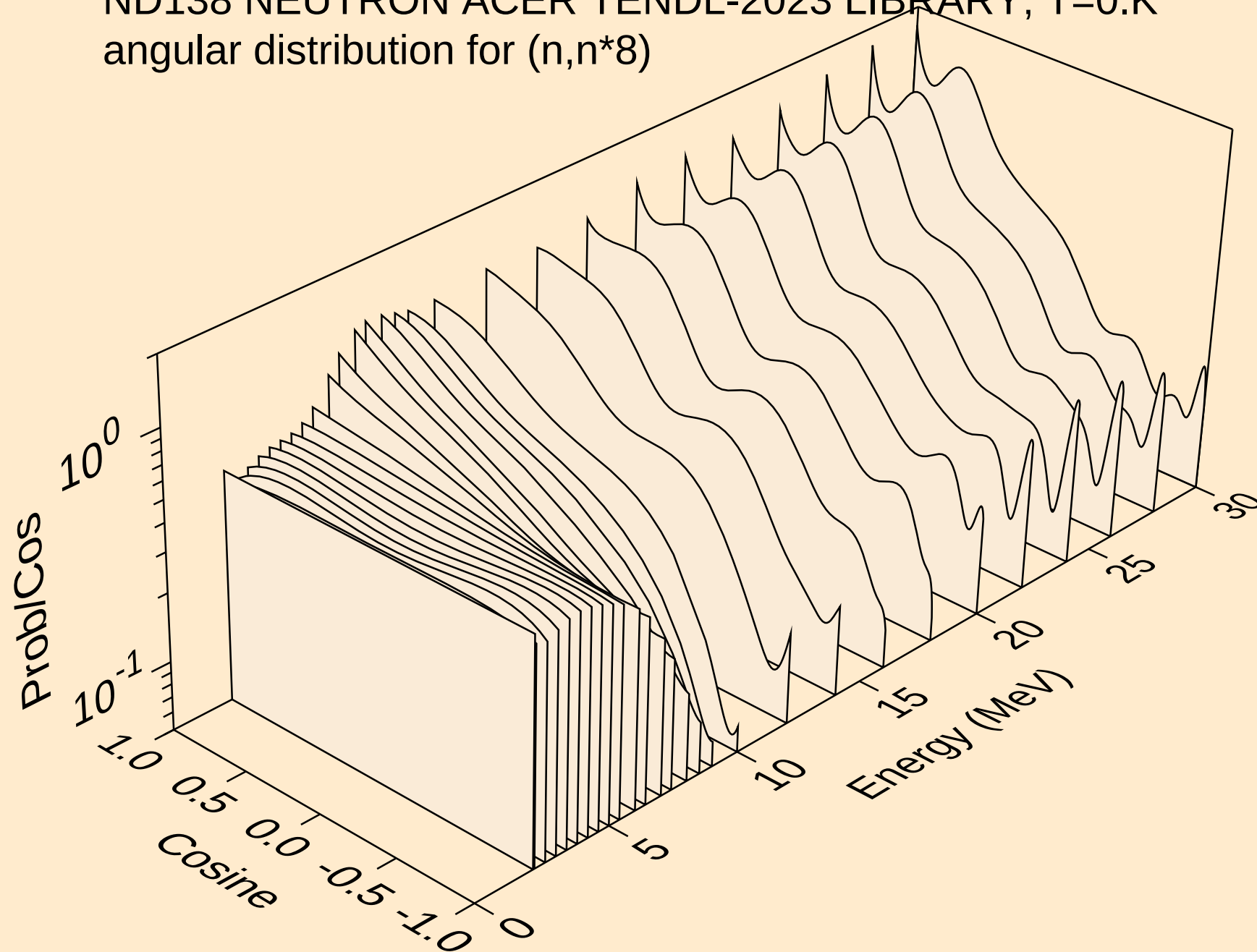
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



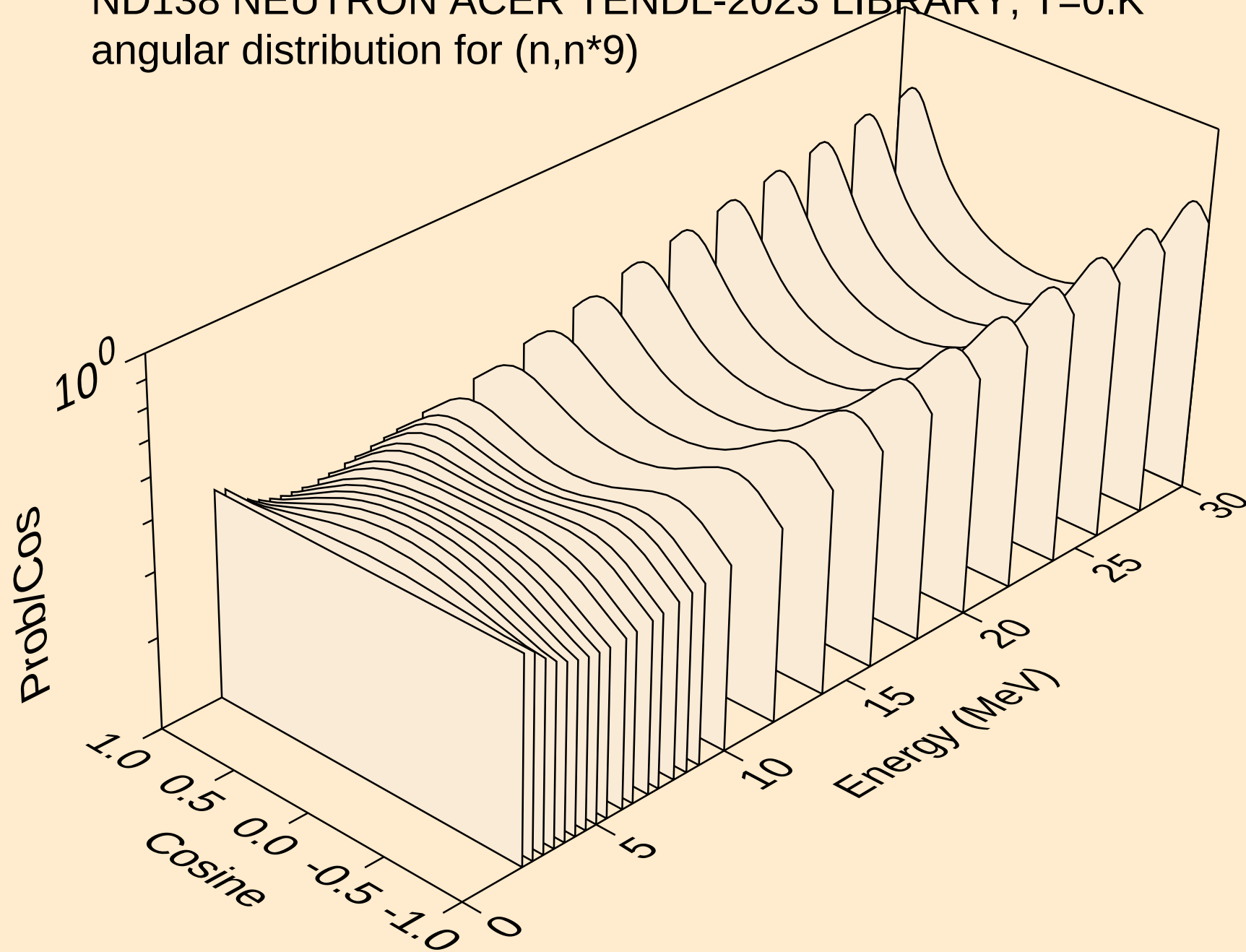
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



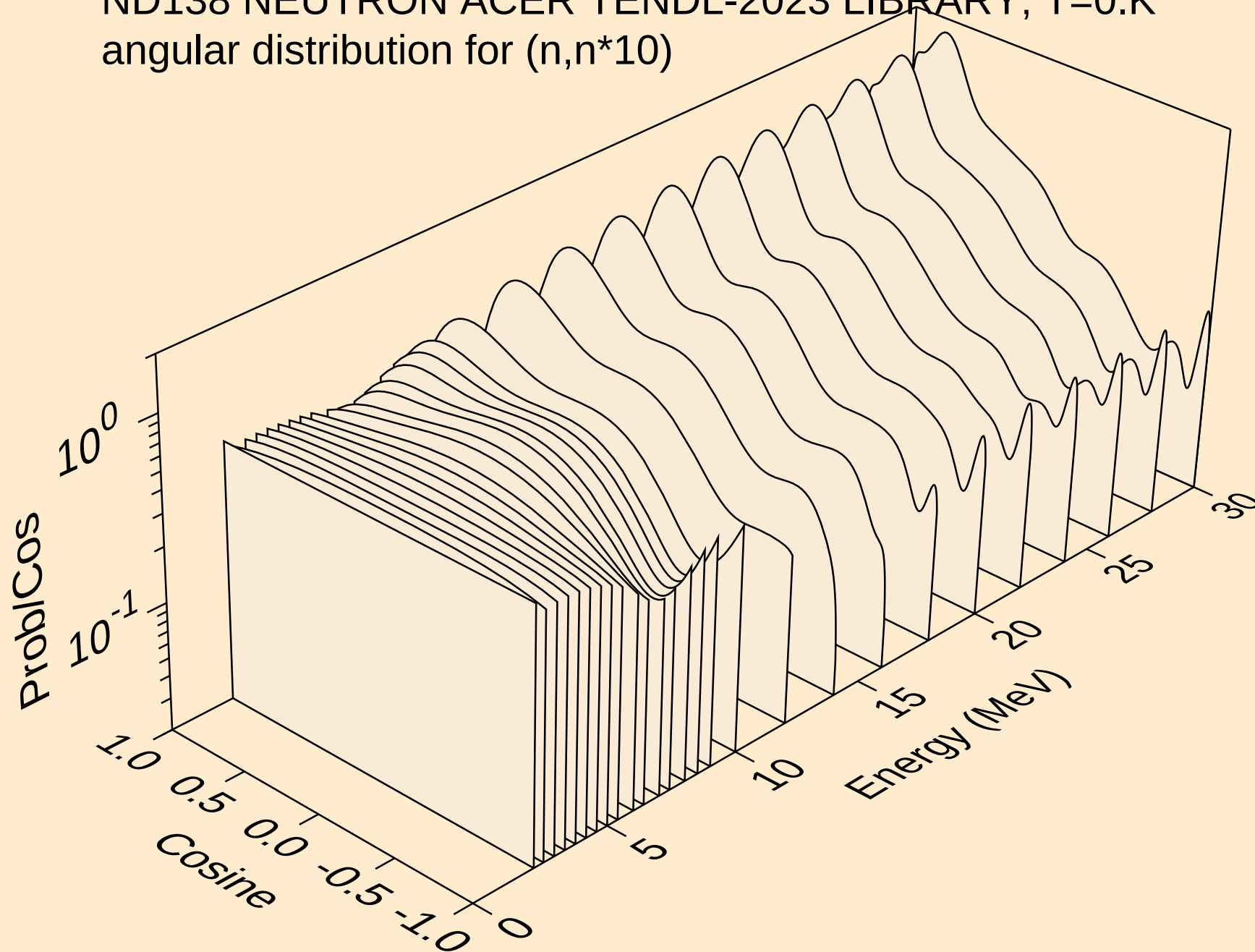
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



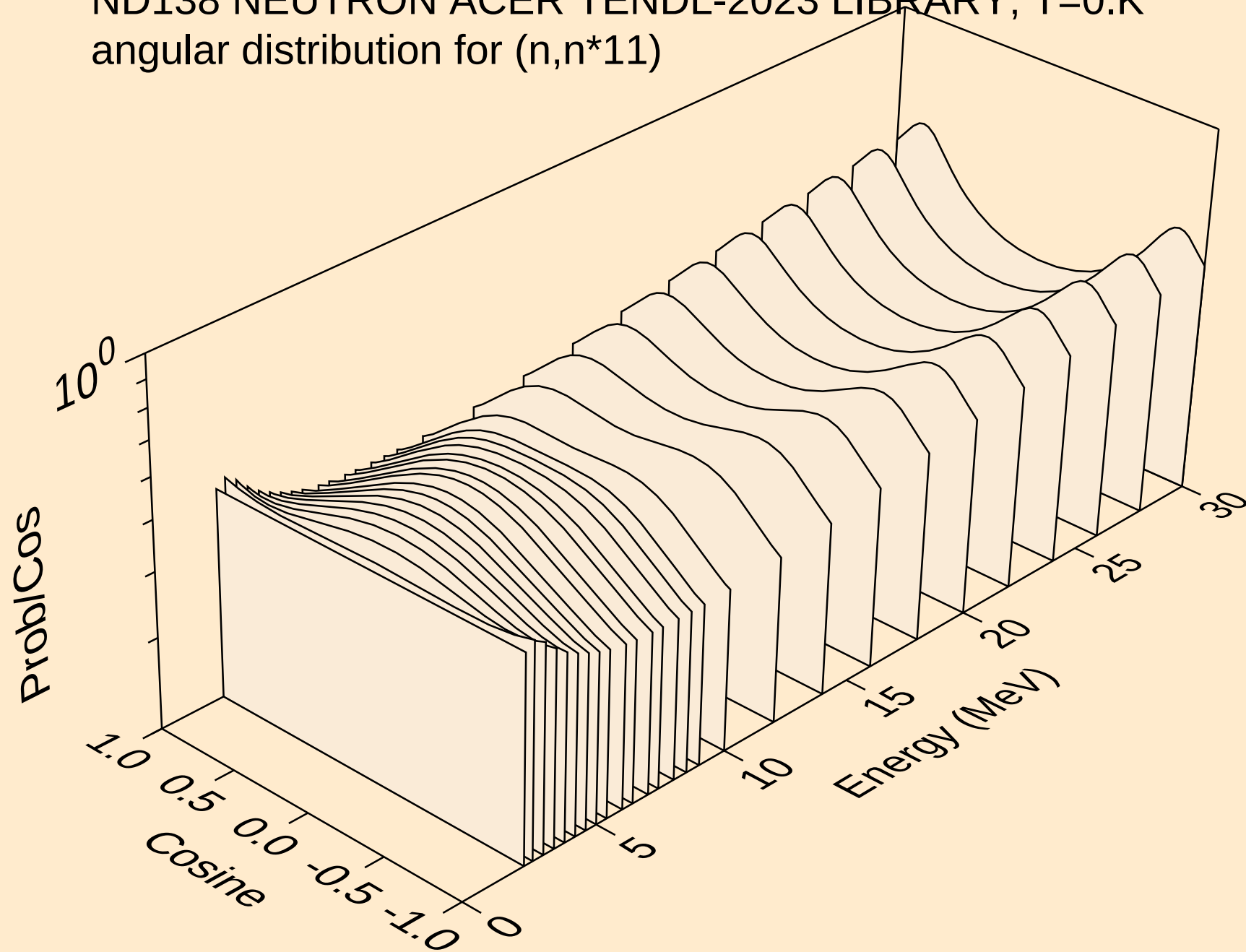
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



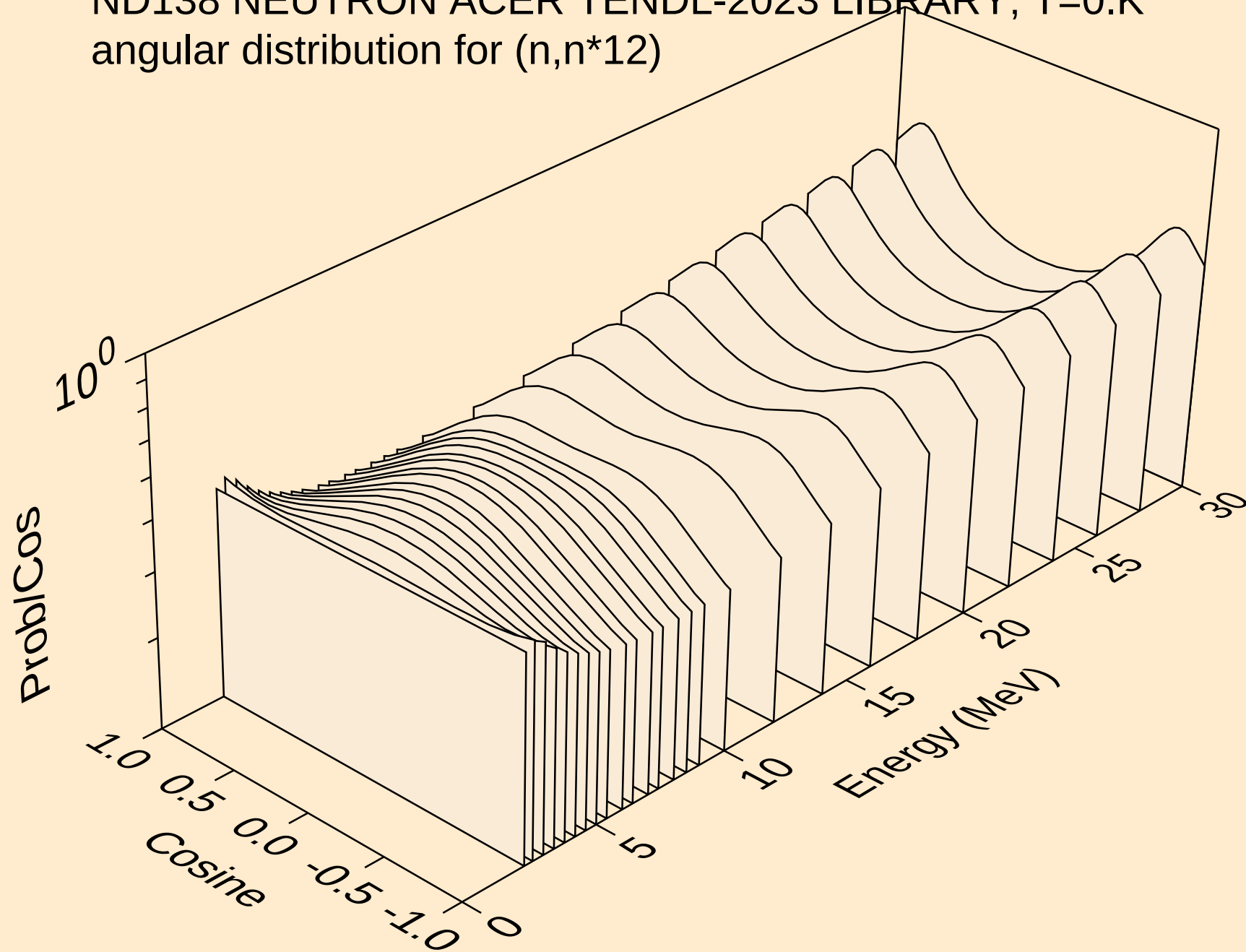
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



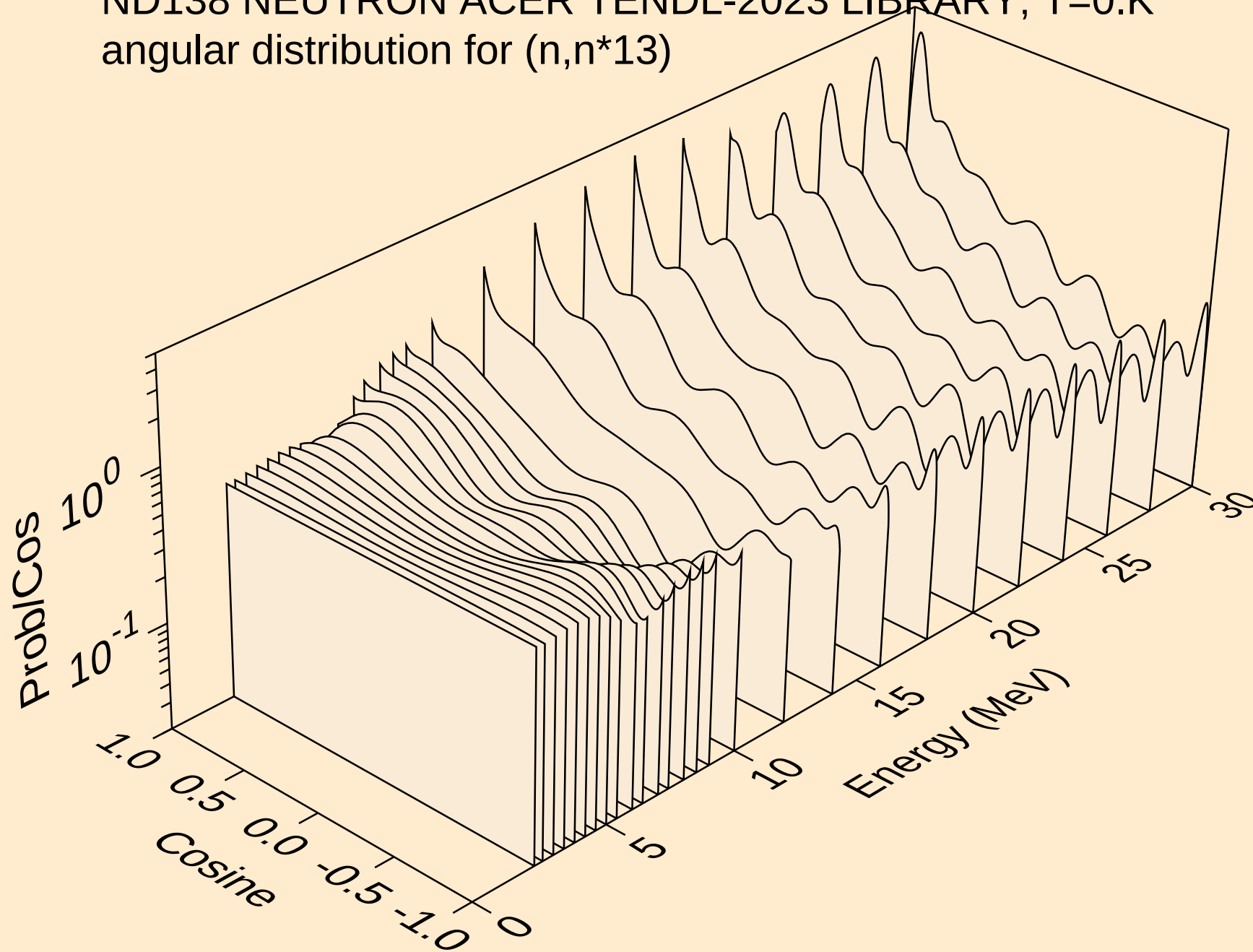
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*11)



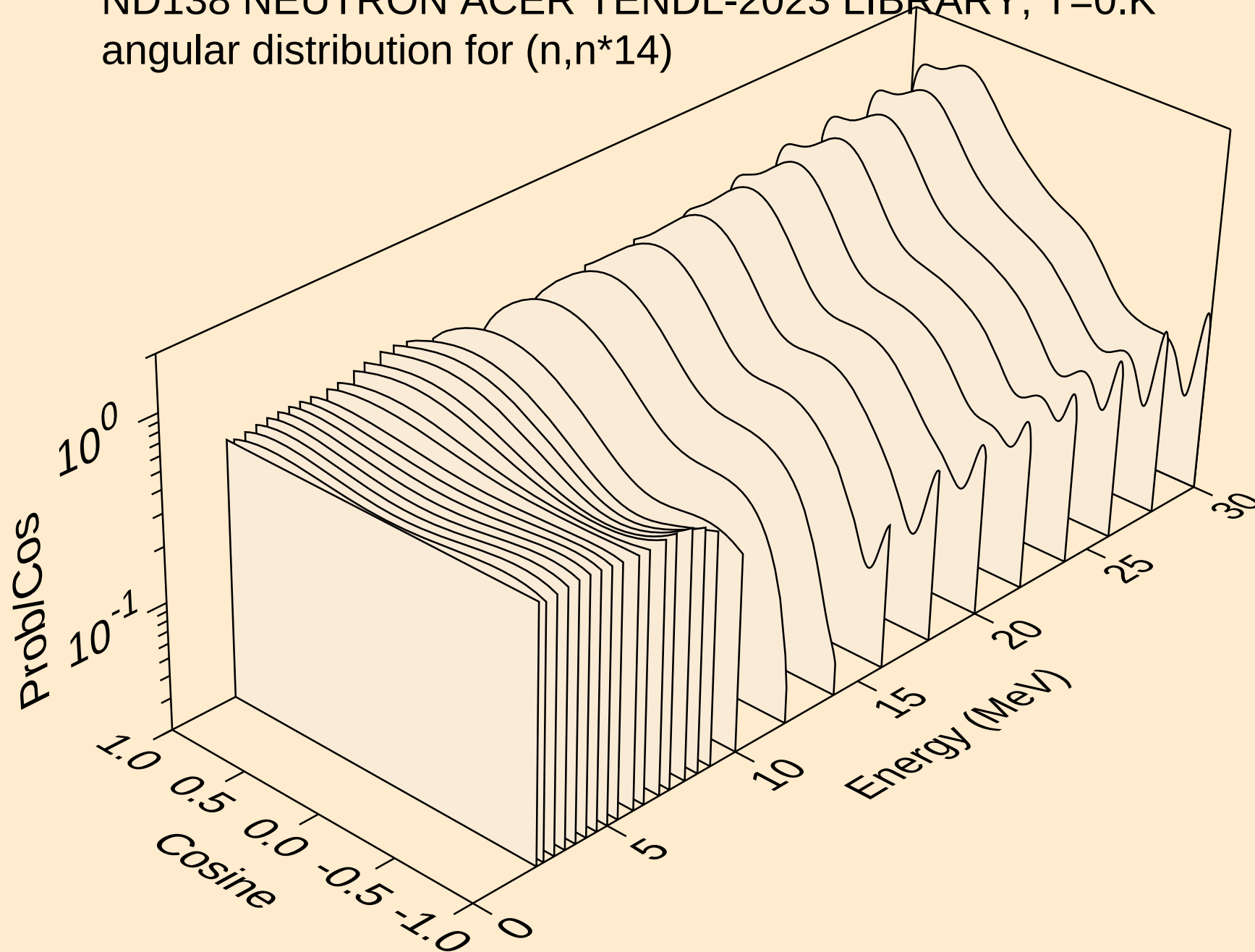
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



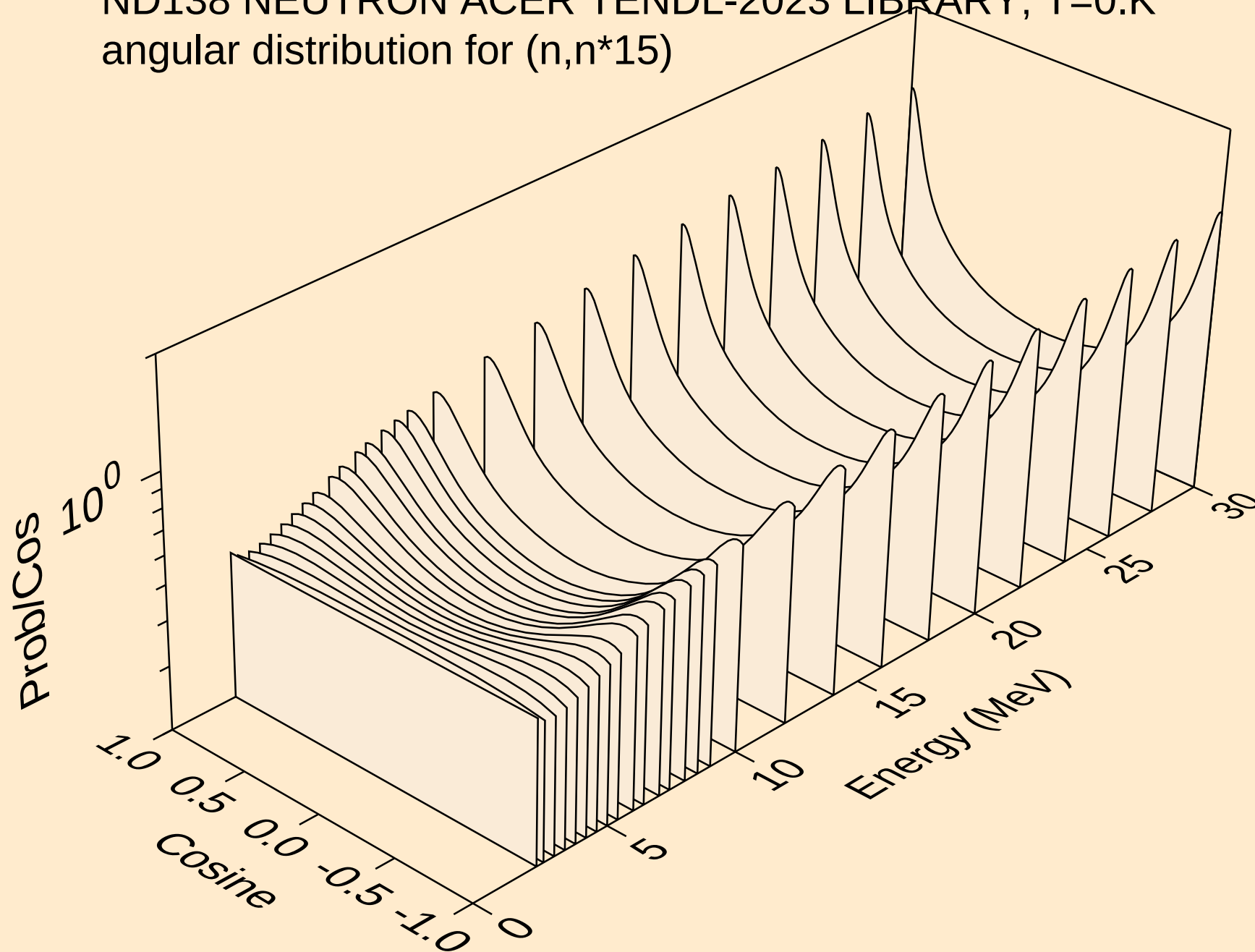
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



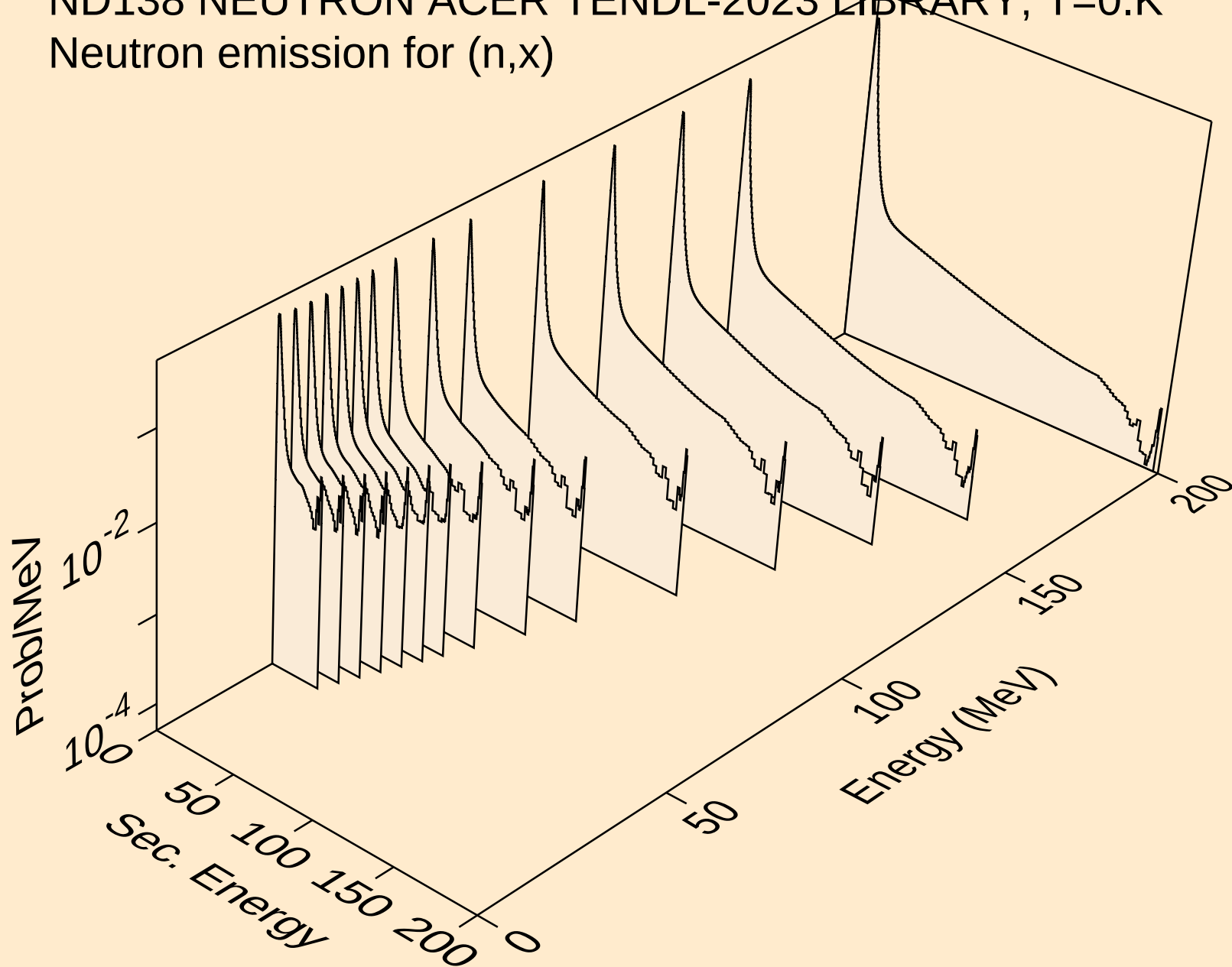
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



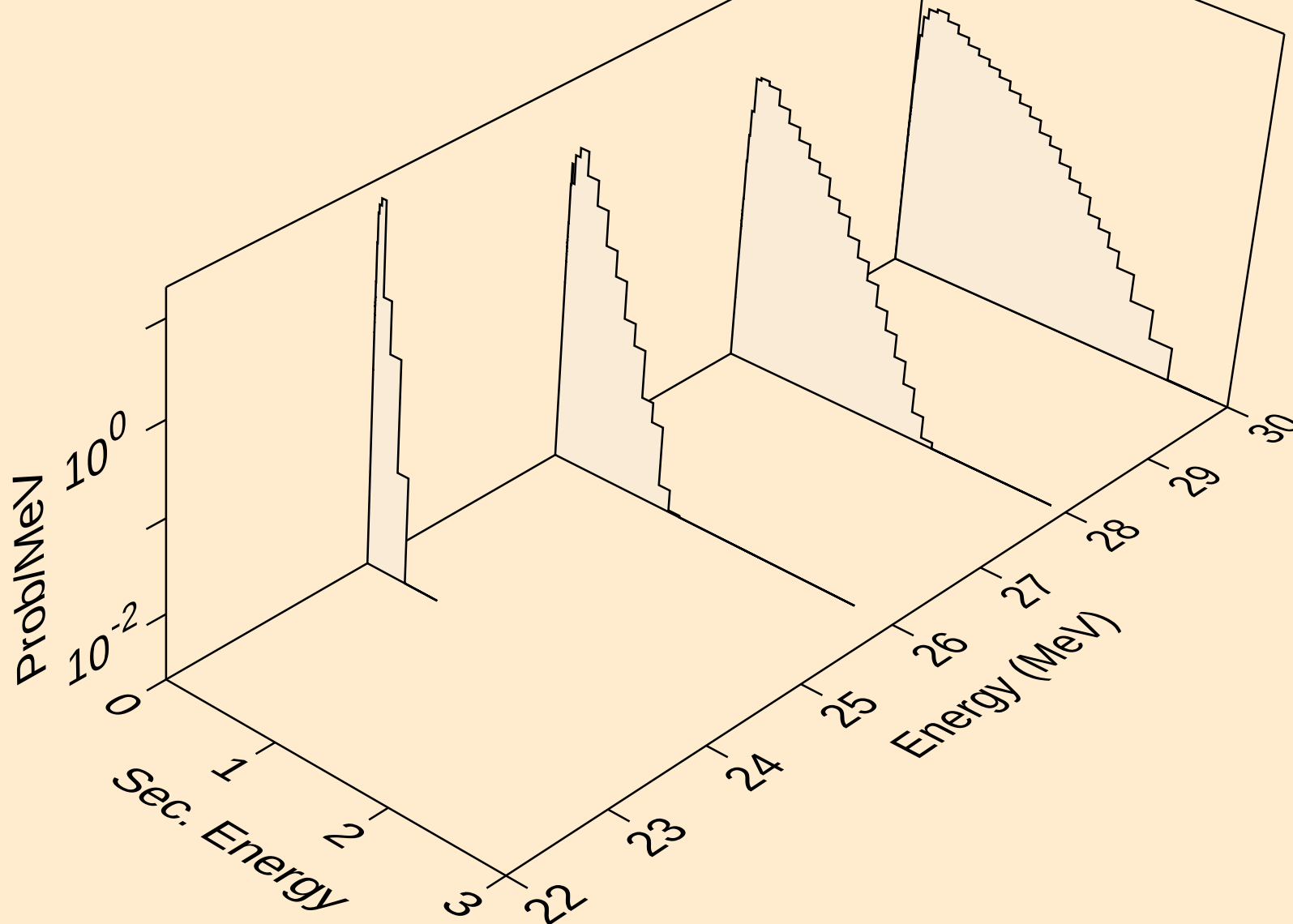
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



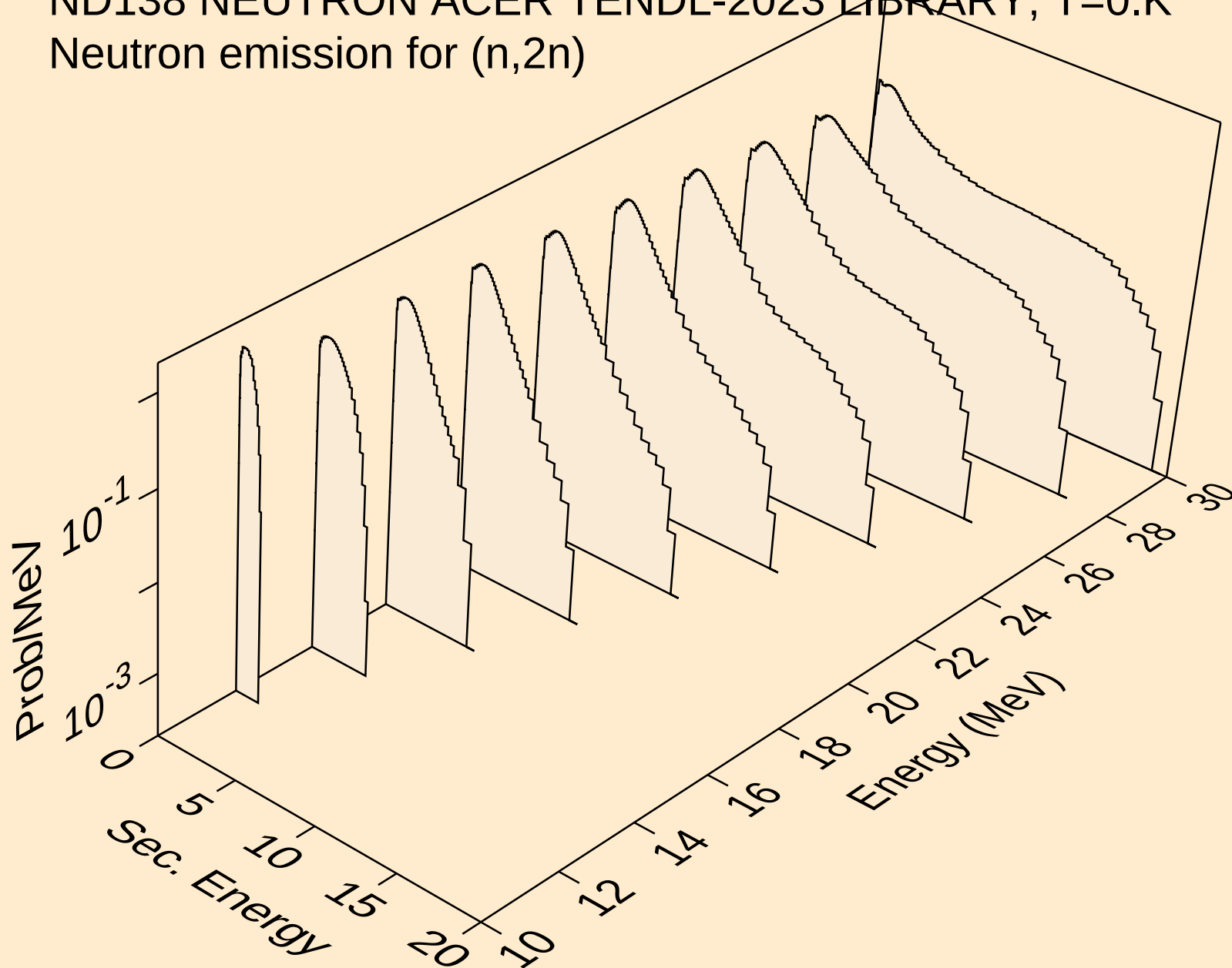
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



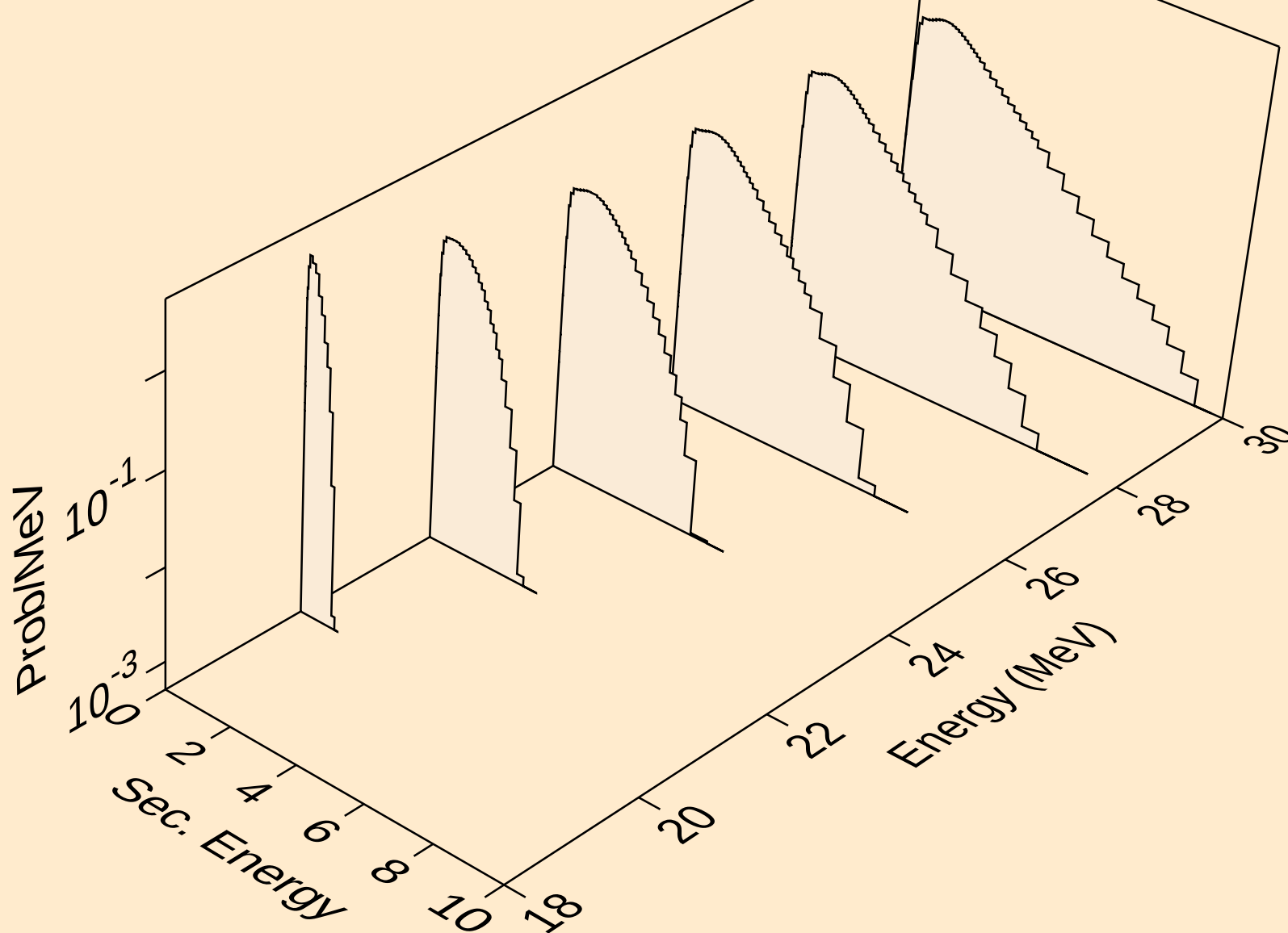
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



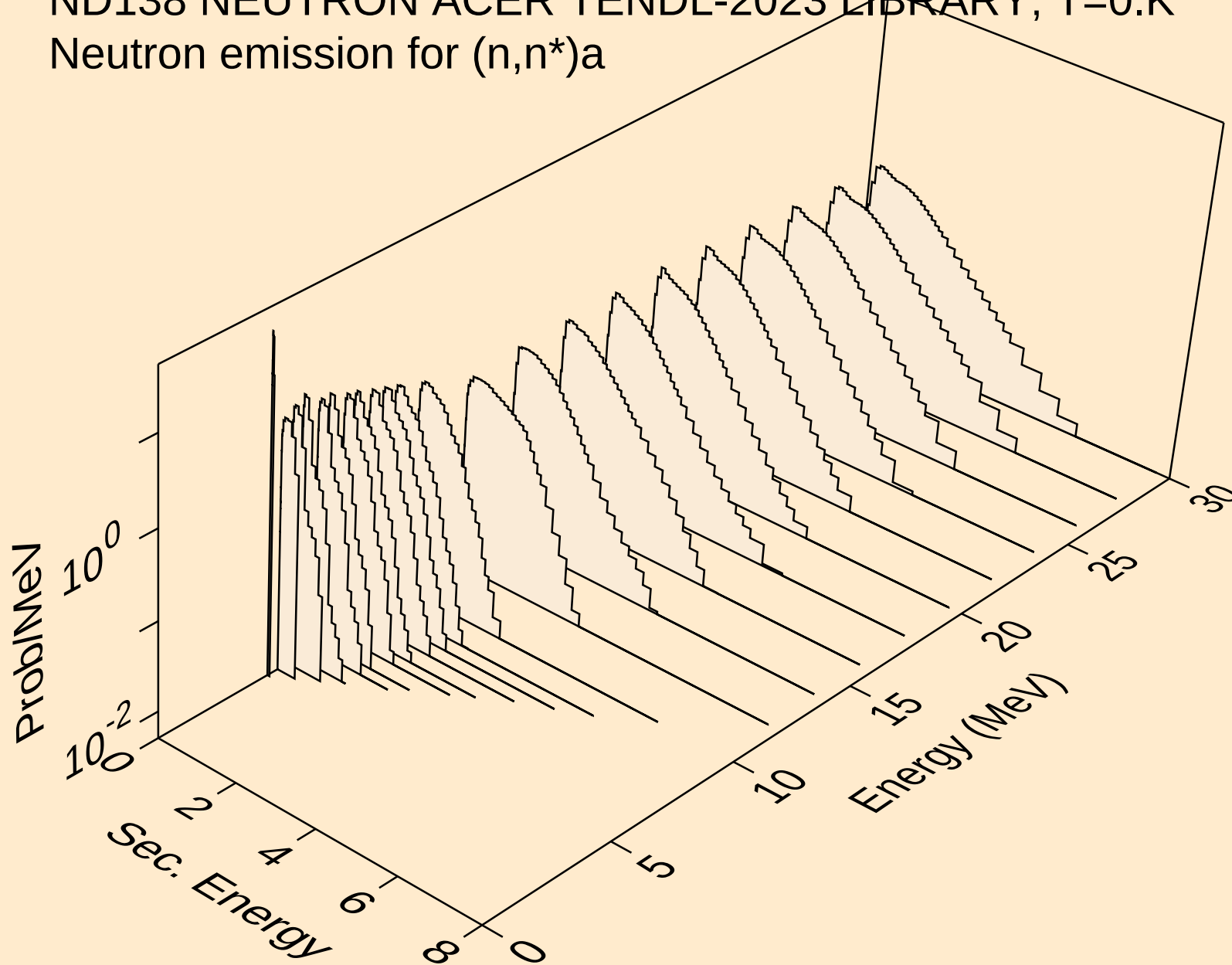
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



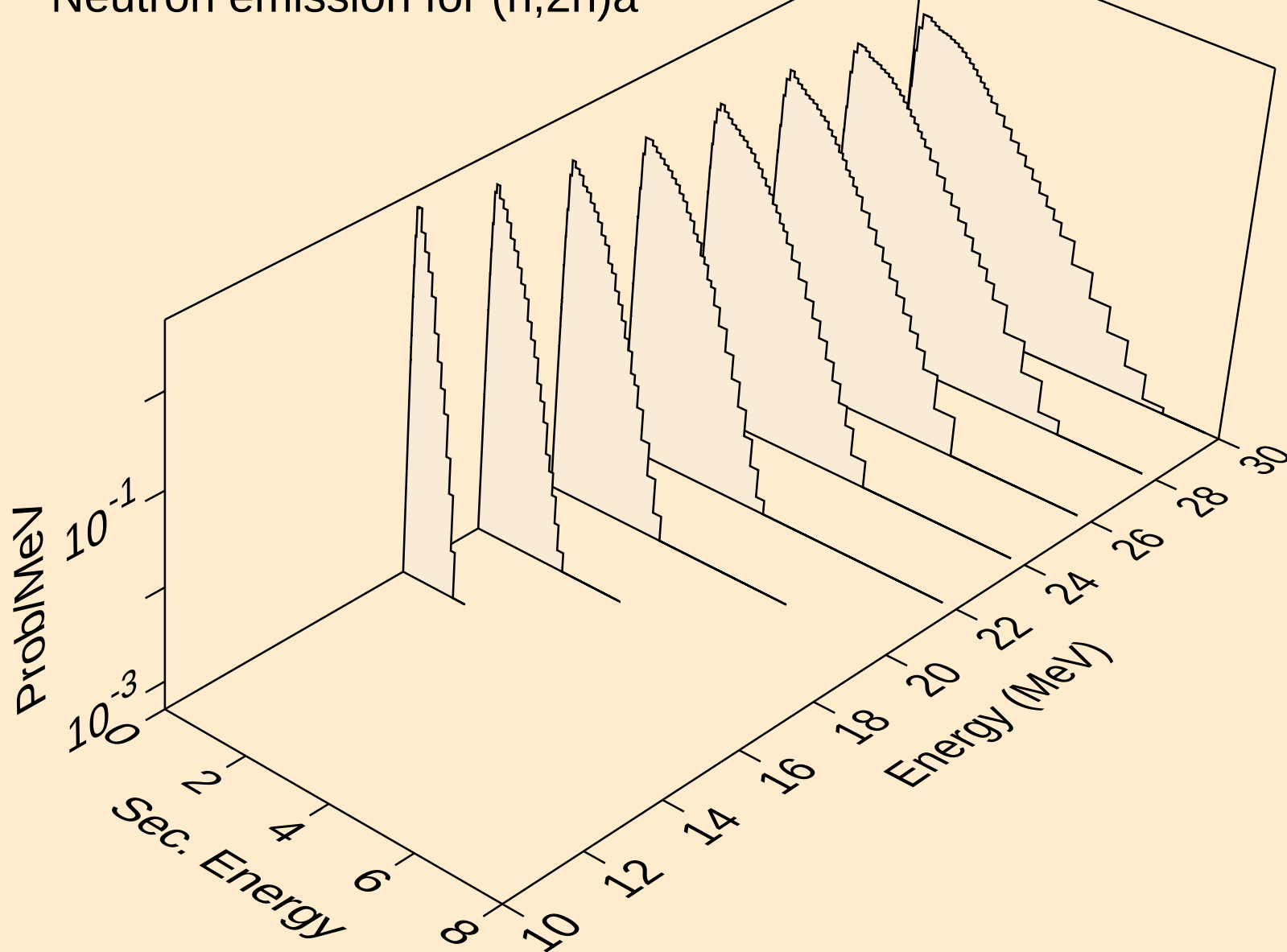
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



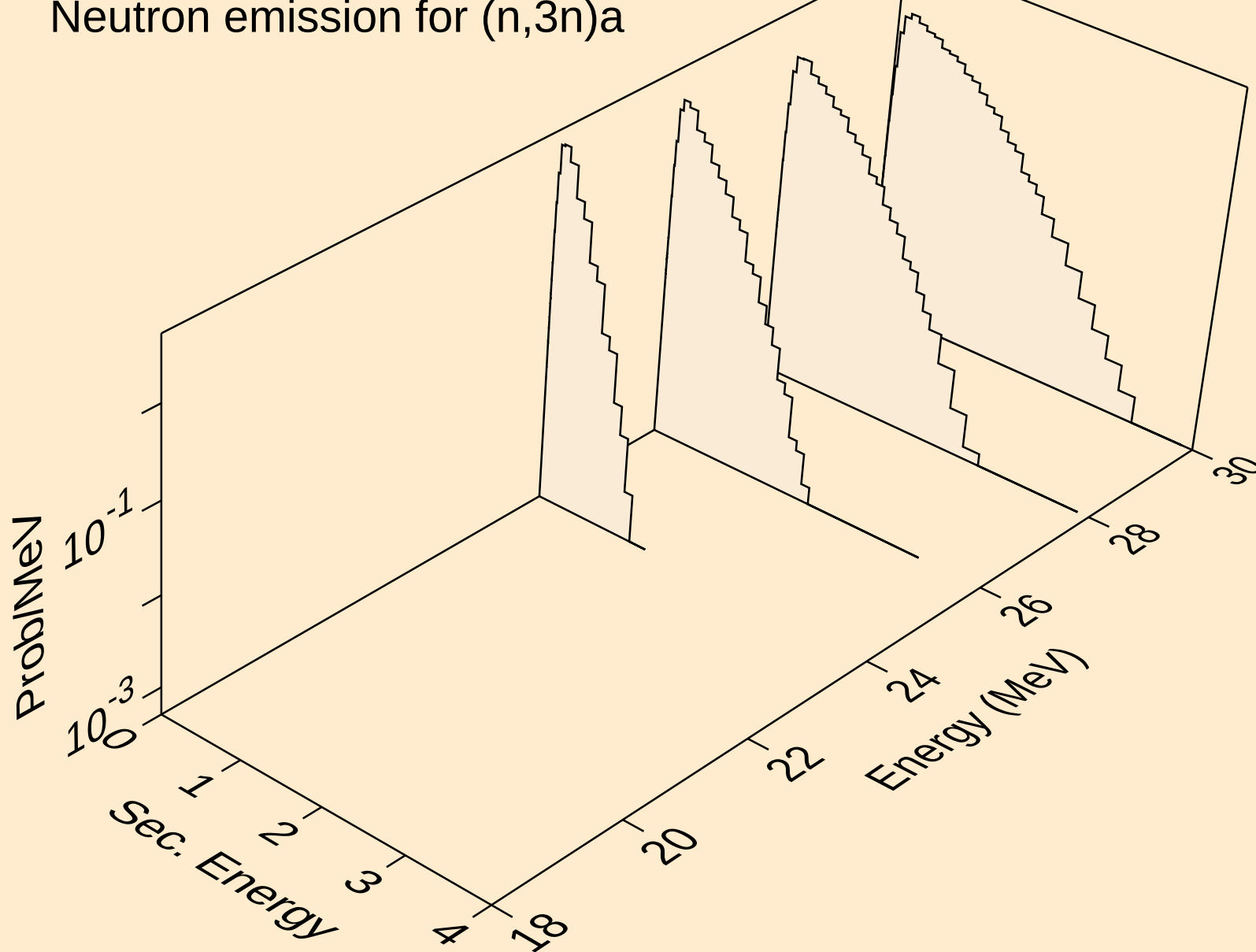
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



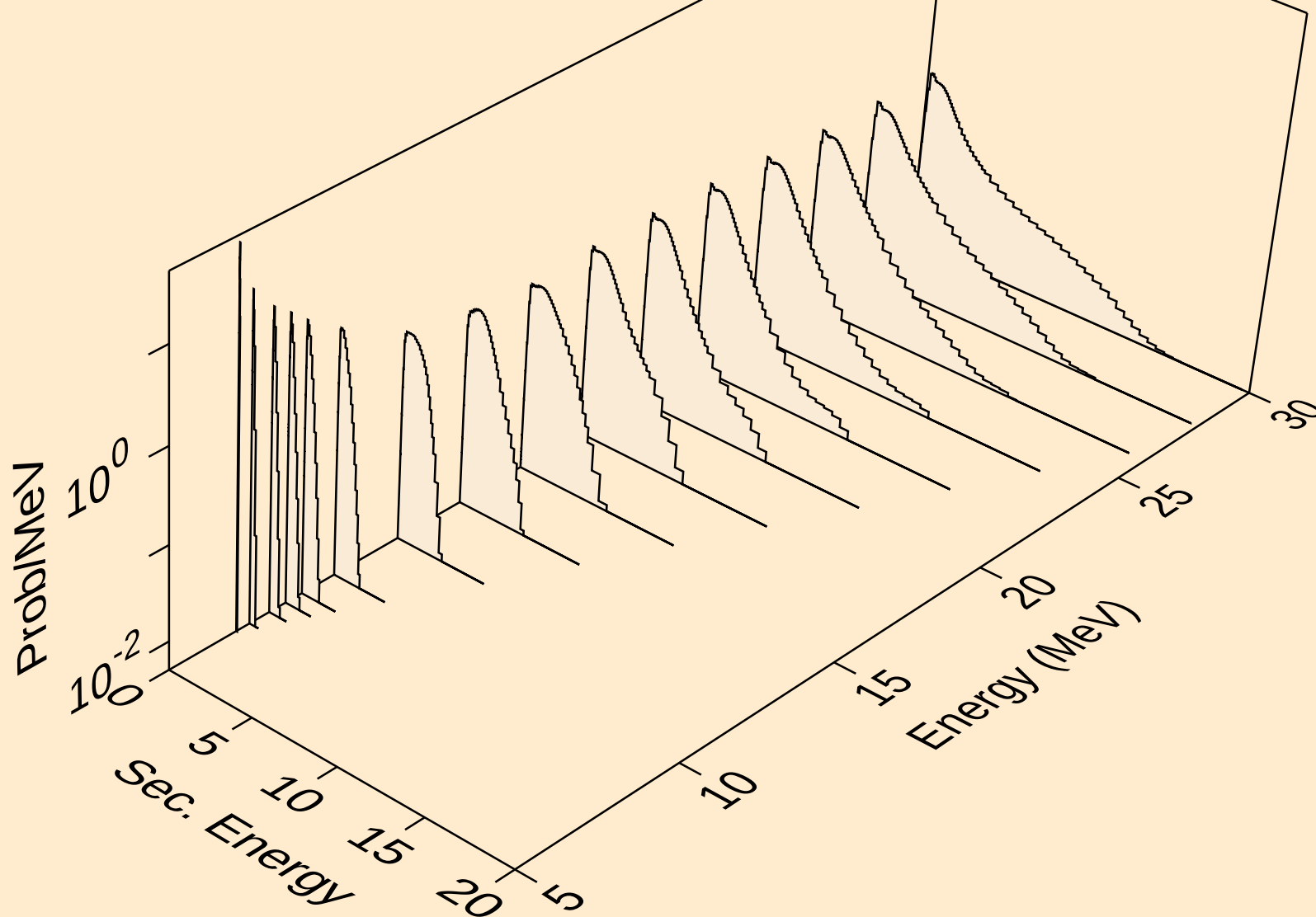
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)_a



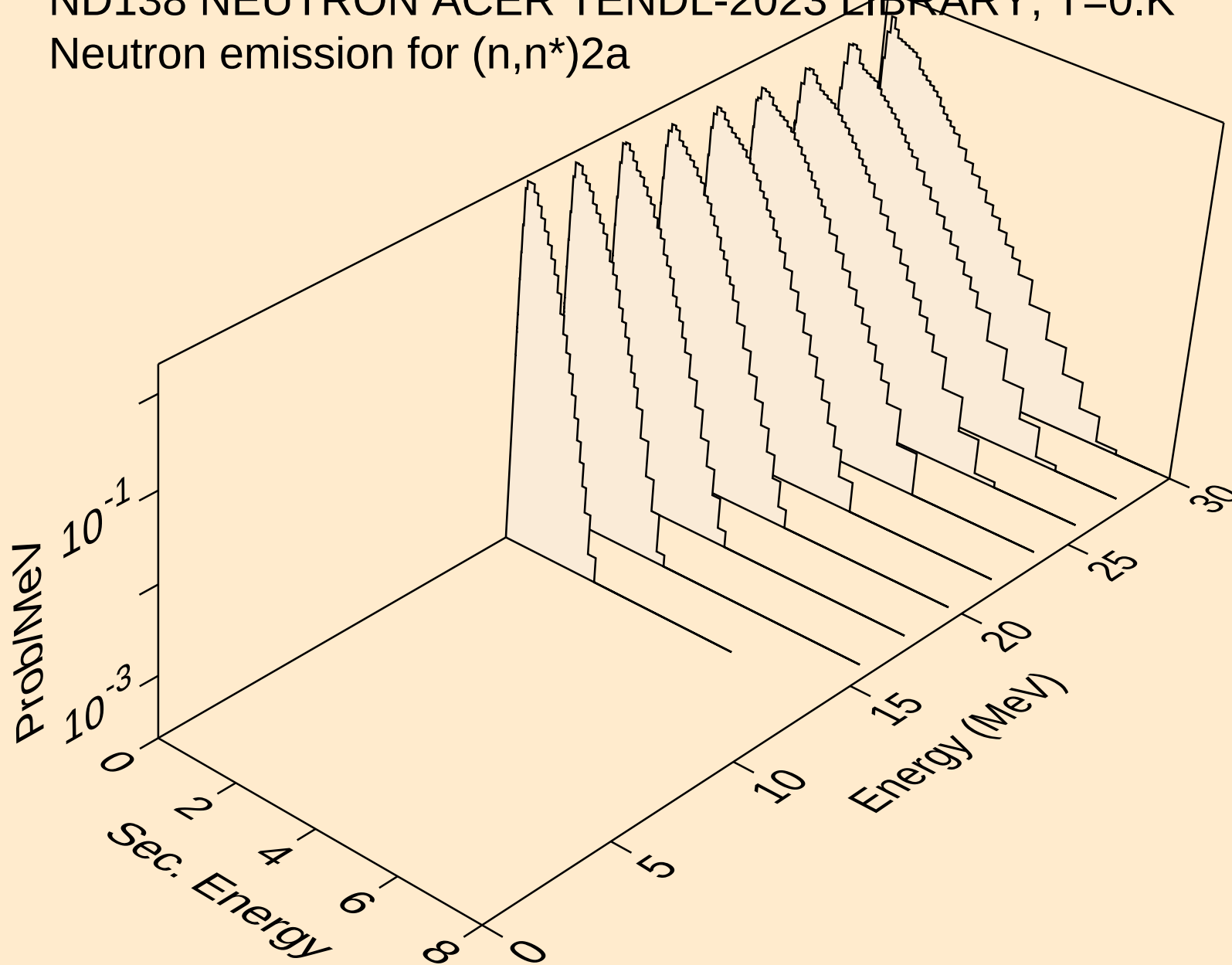
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



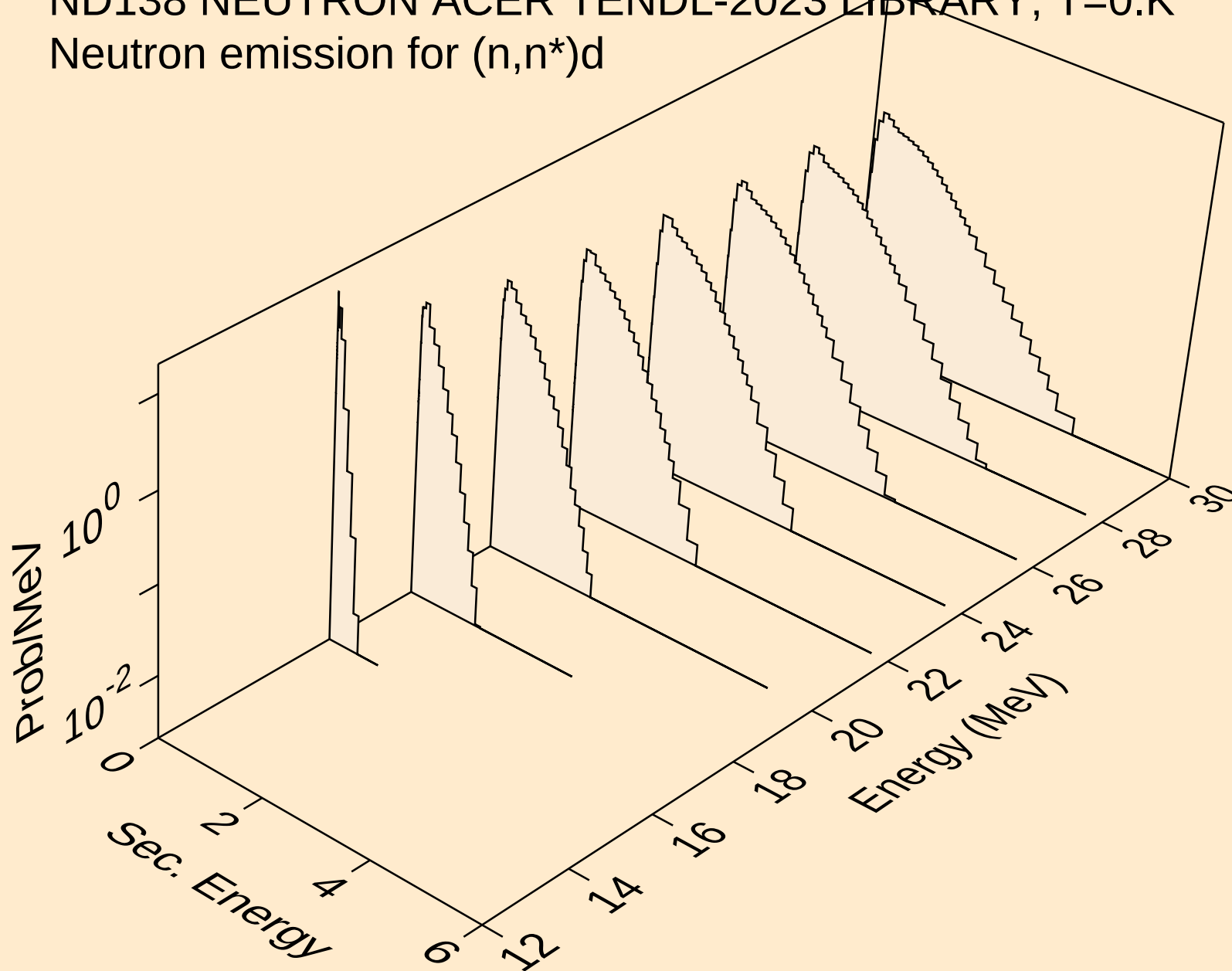
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



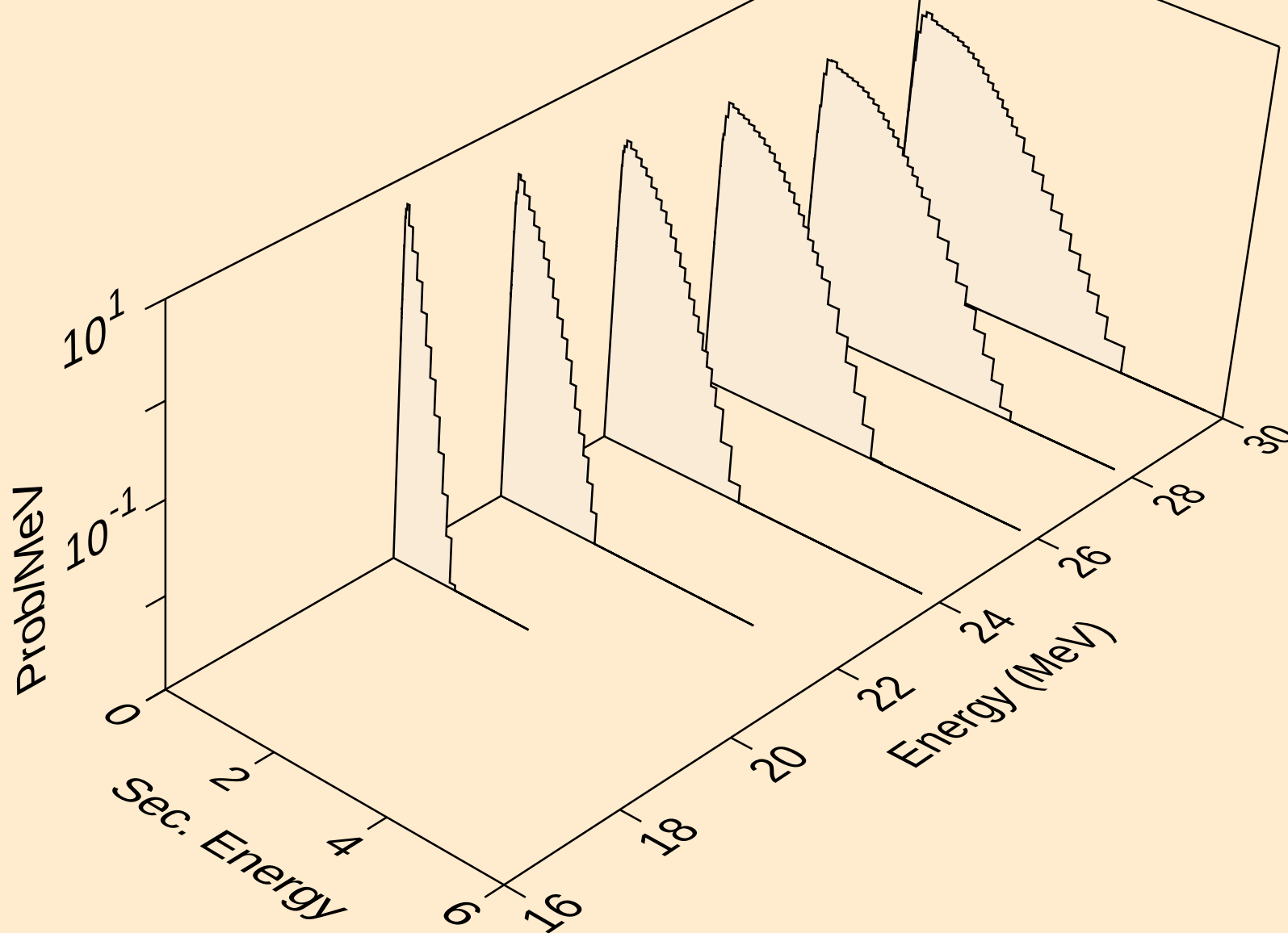
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



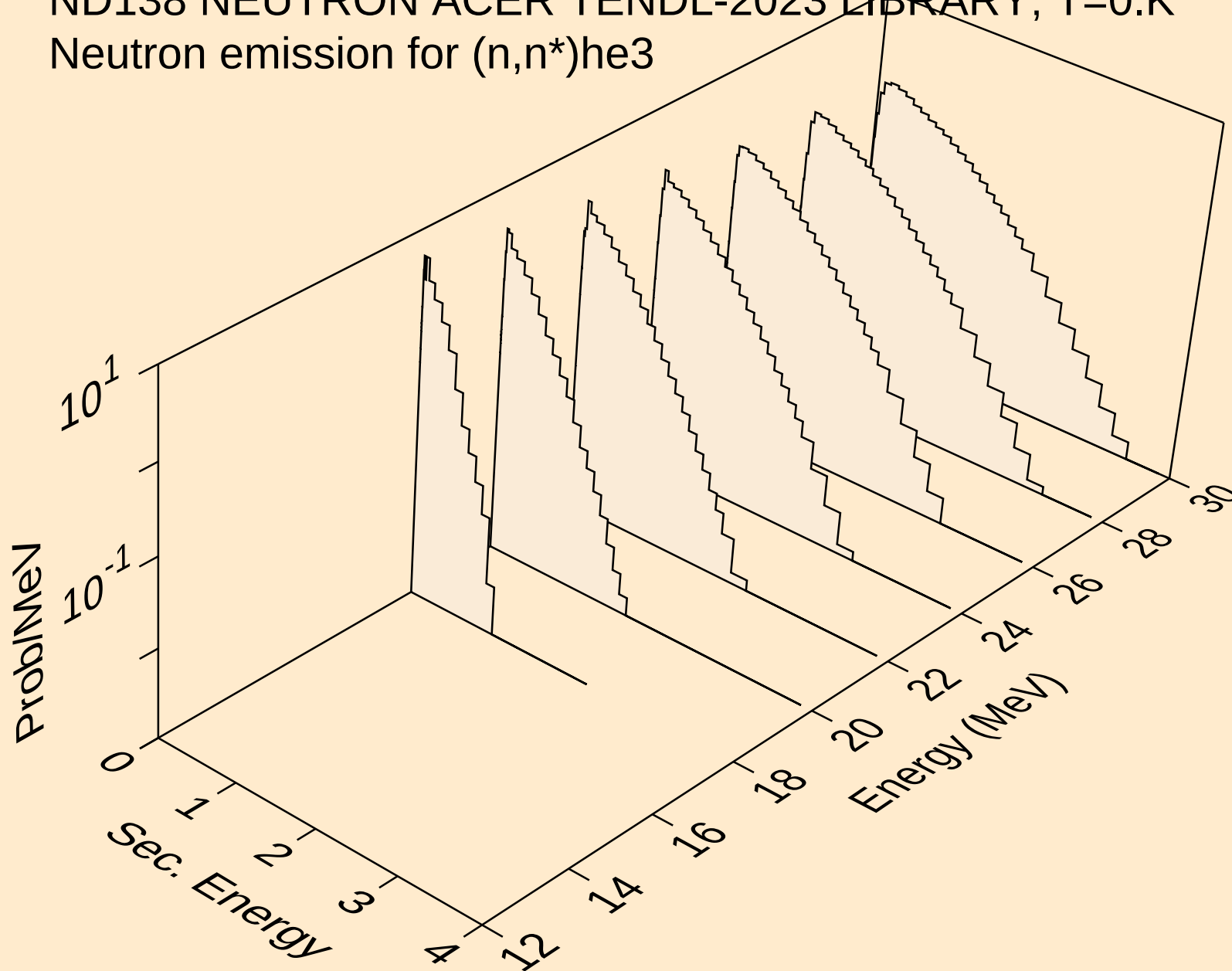
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



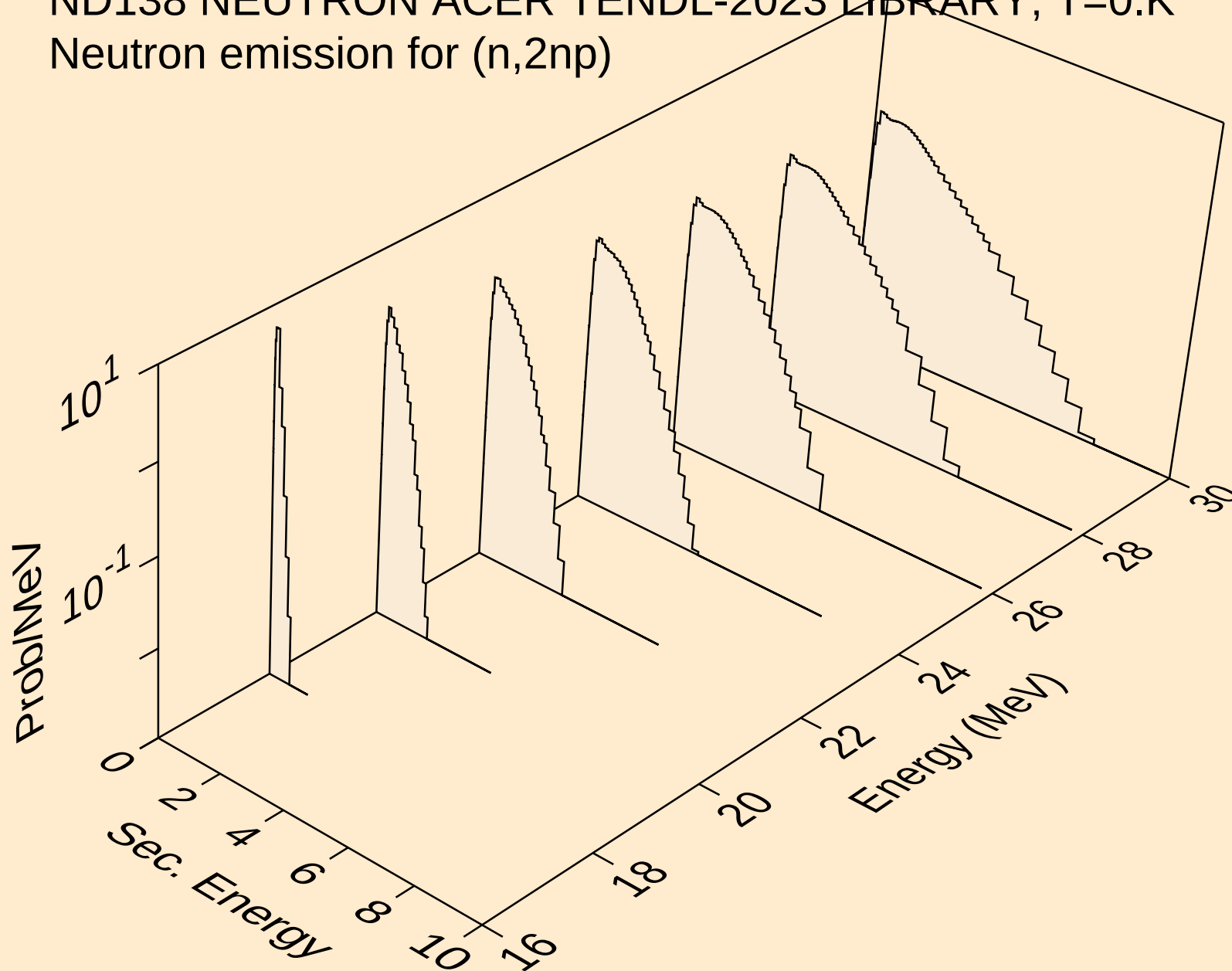
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



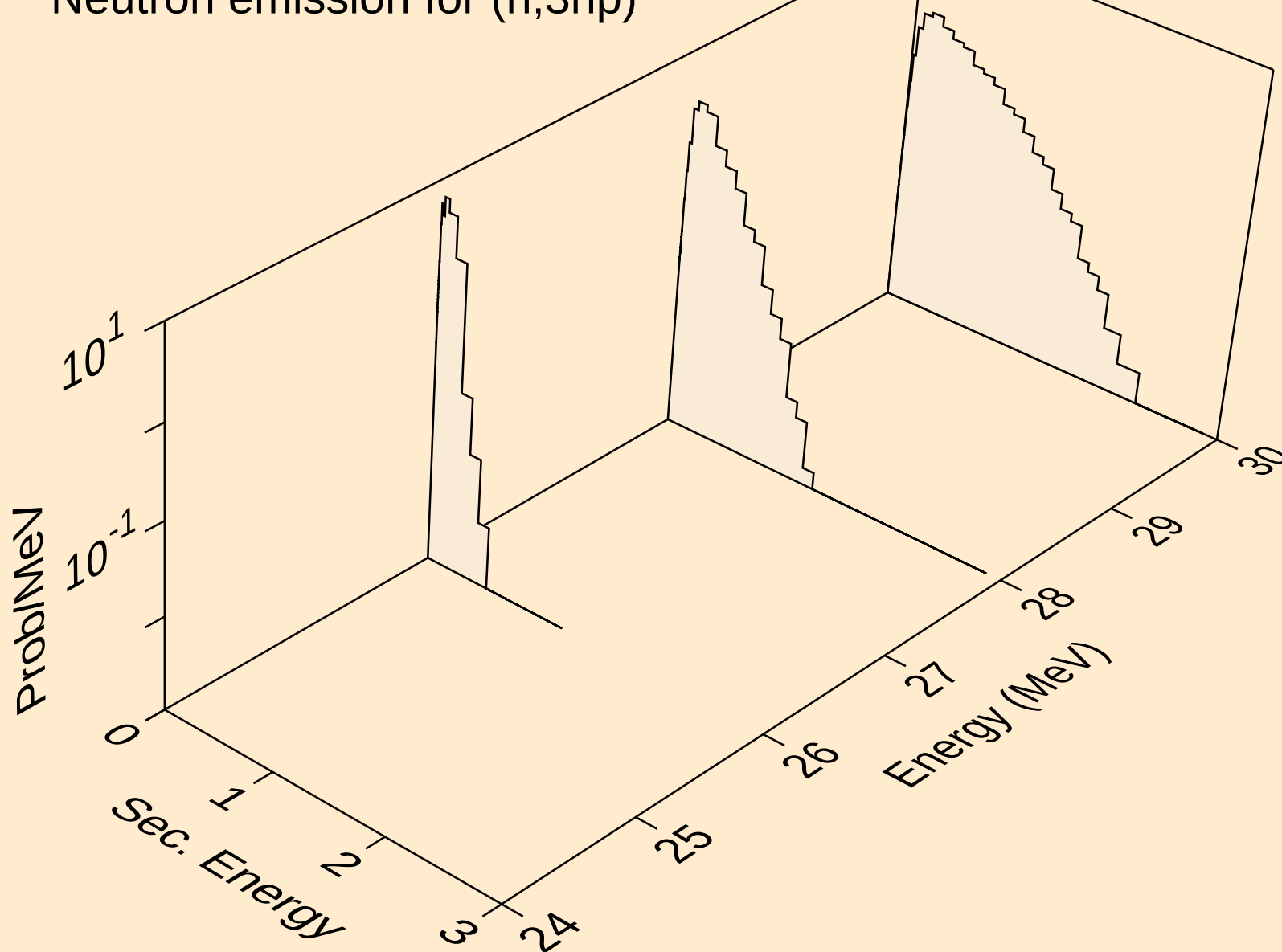
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



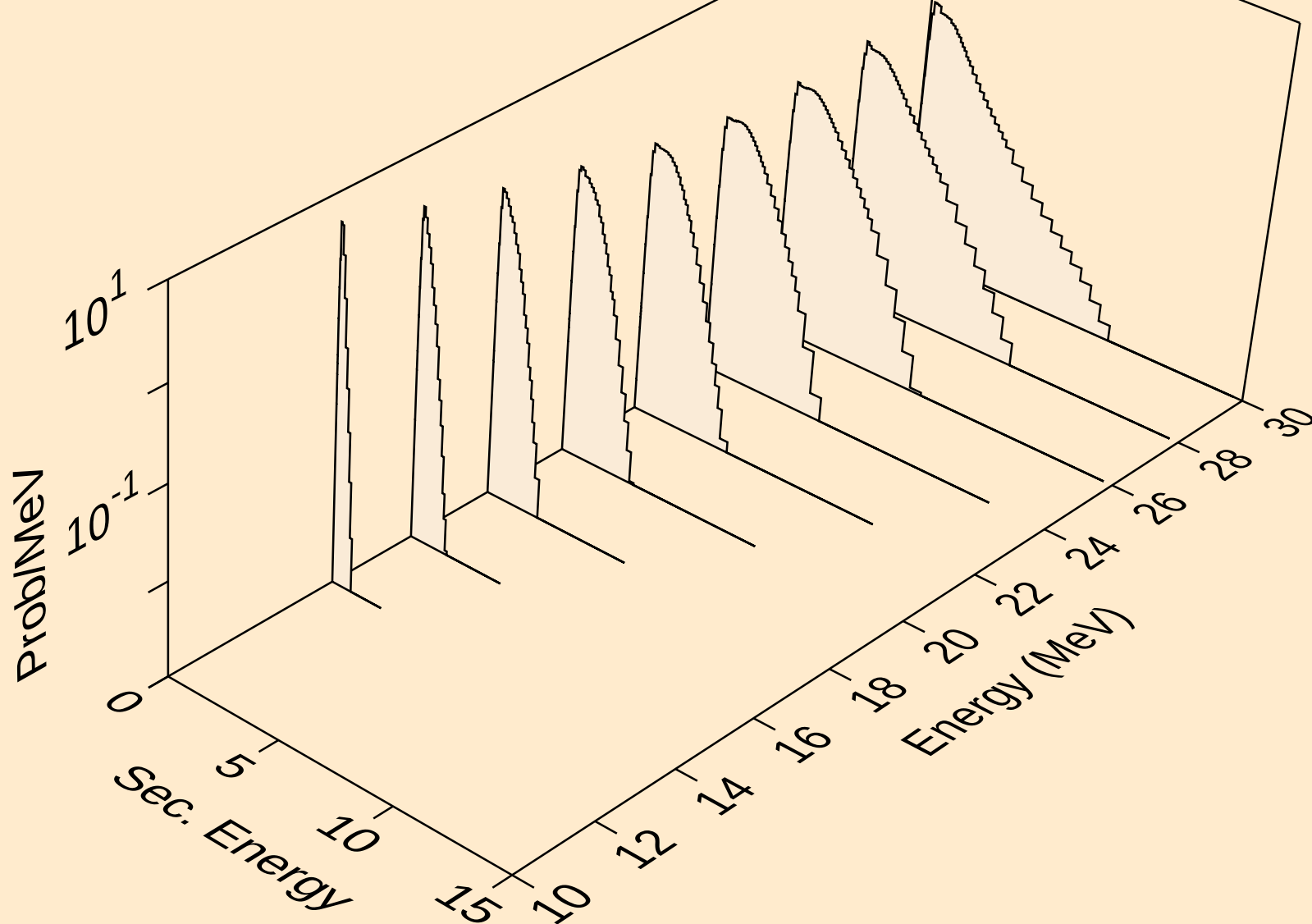
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



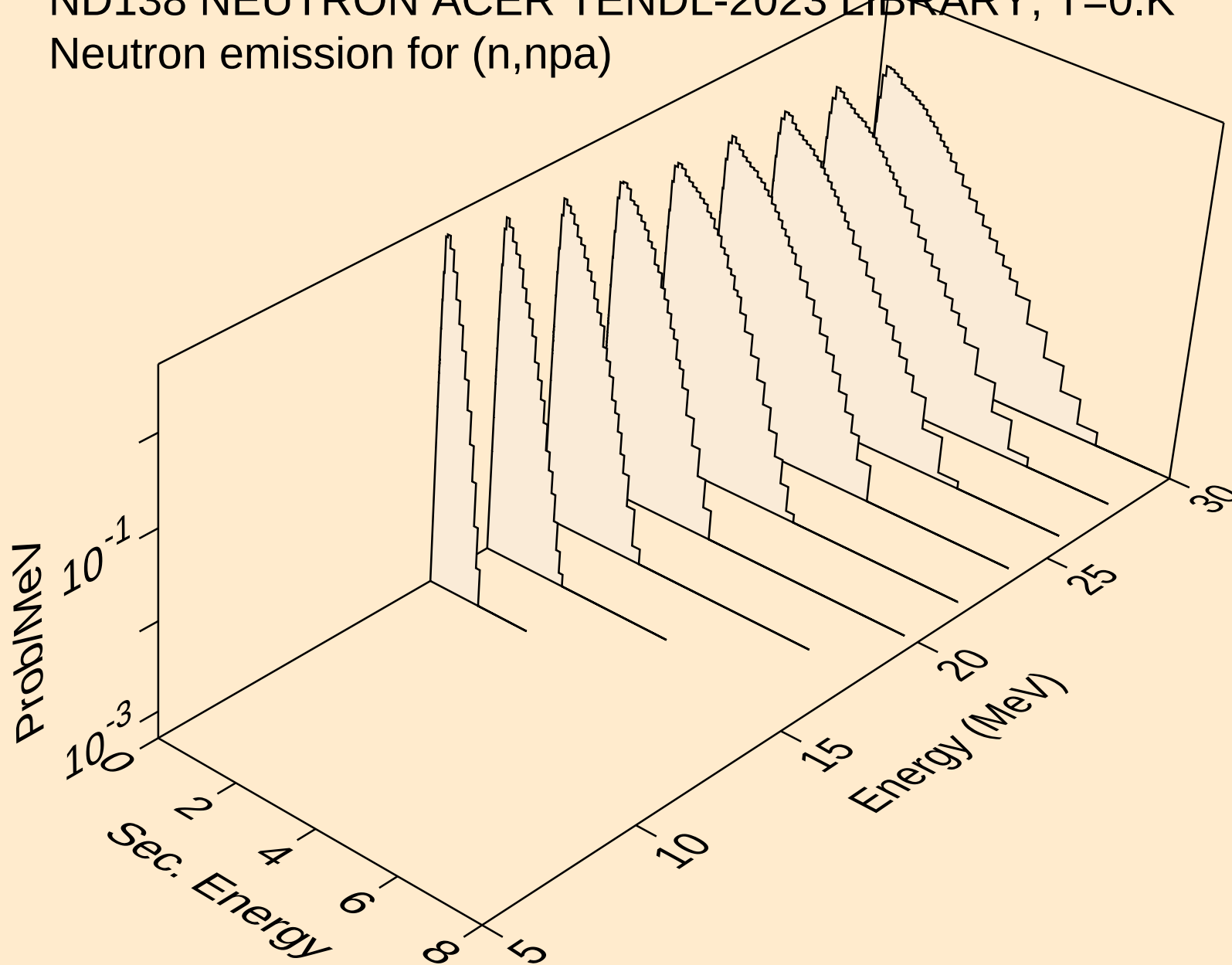
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



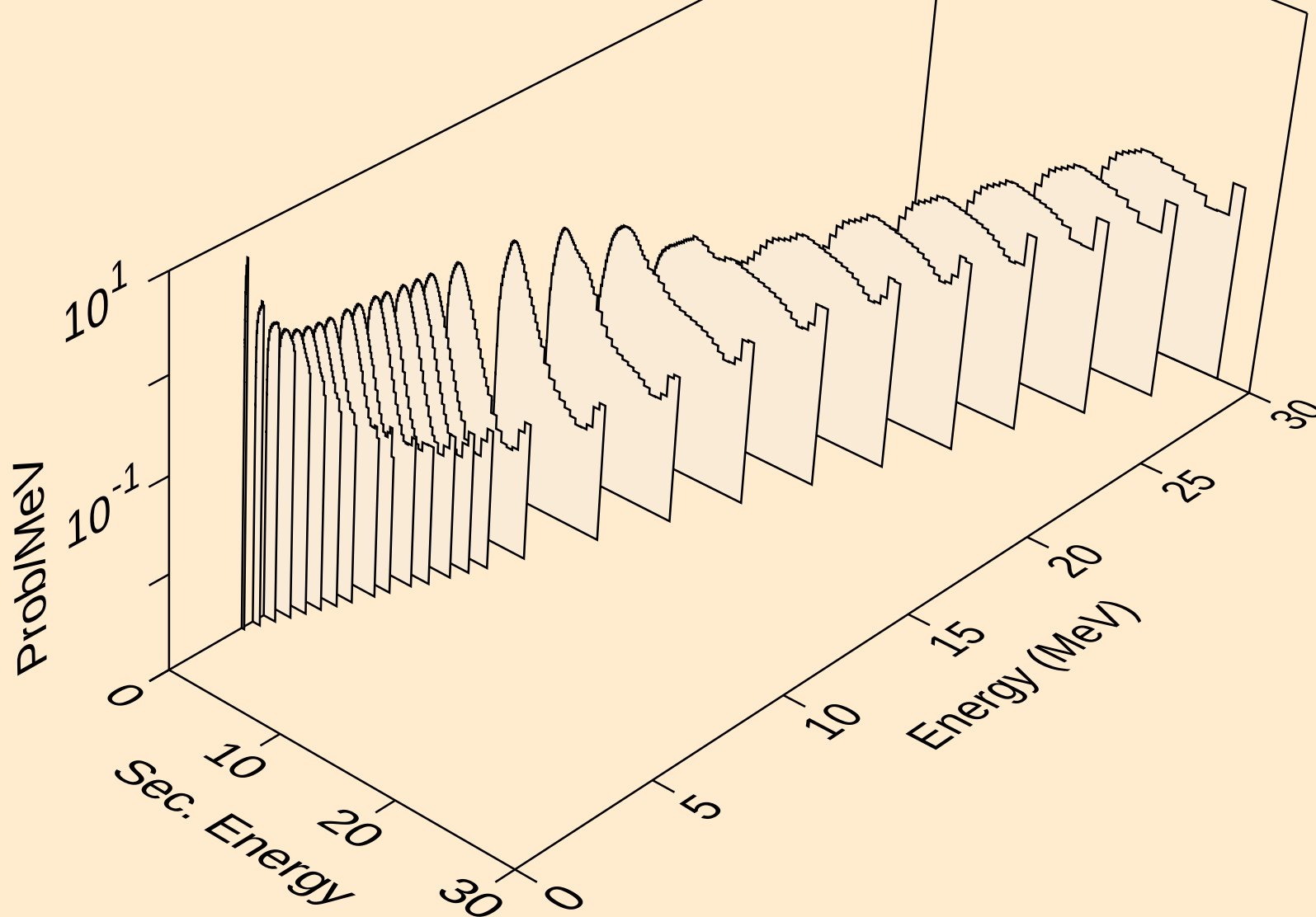
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



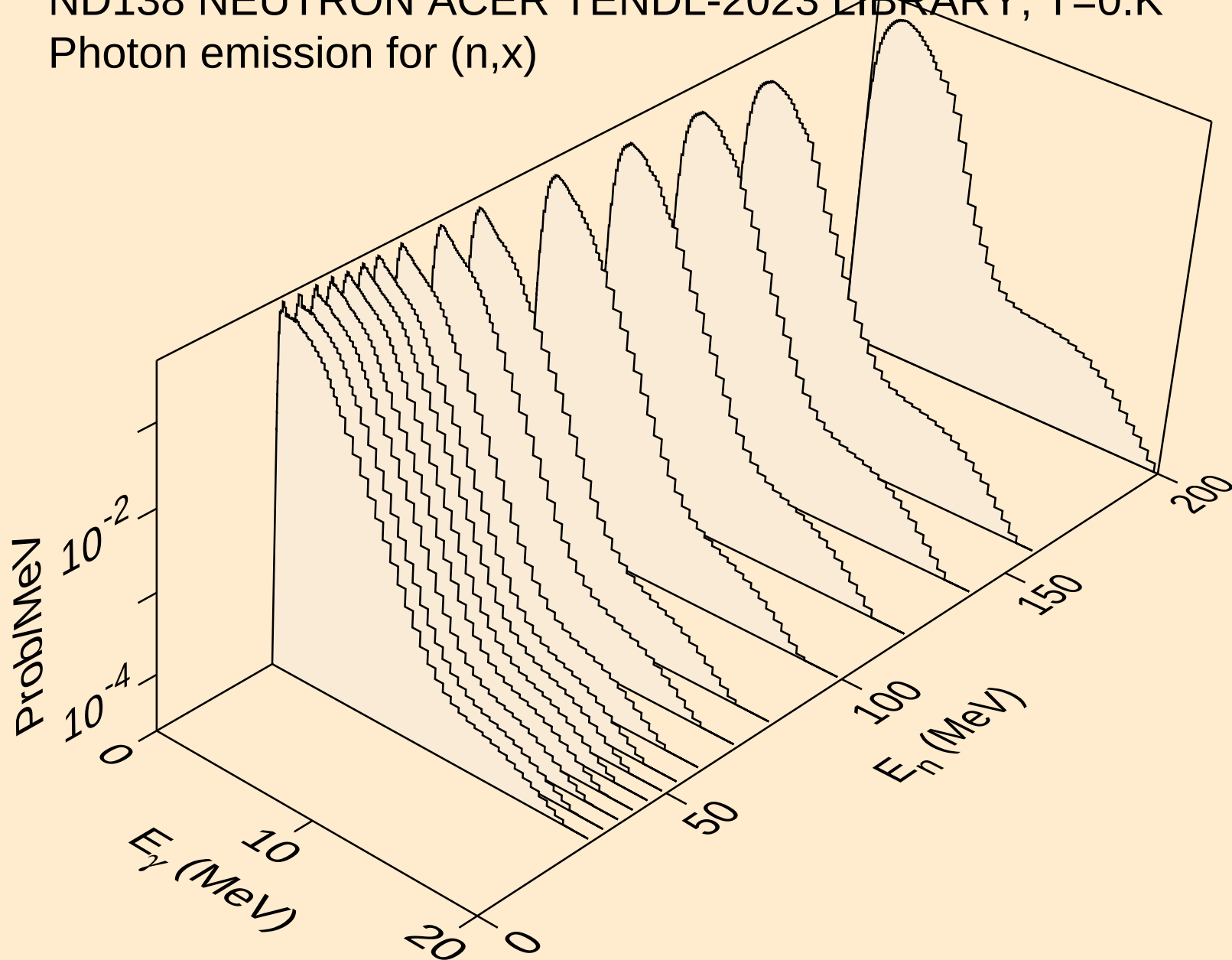
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



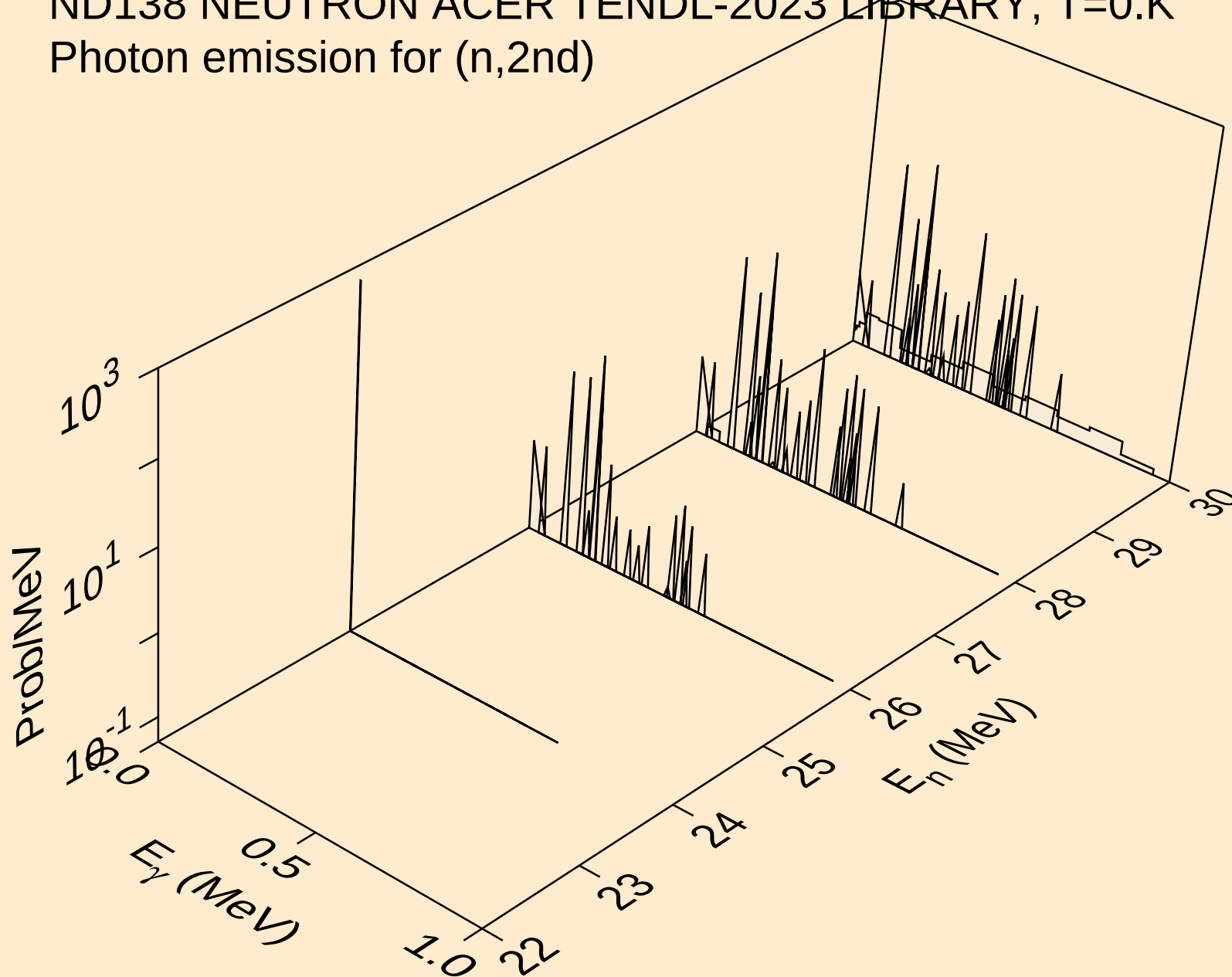
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



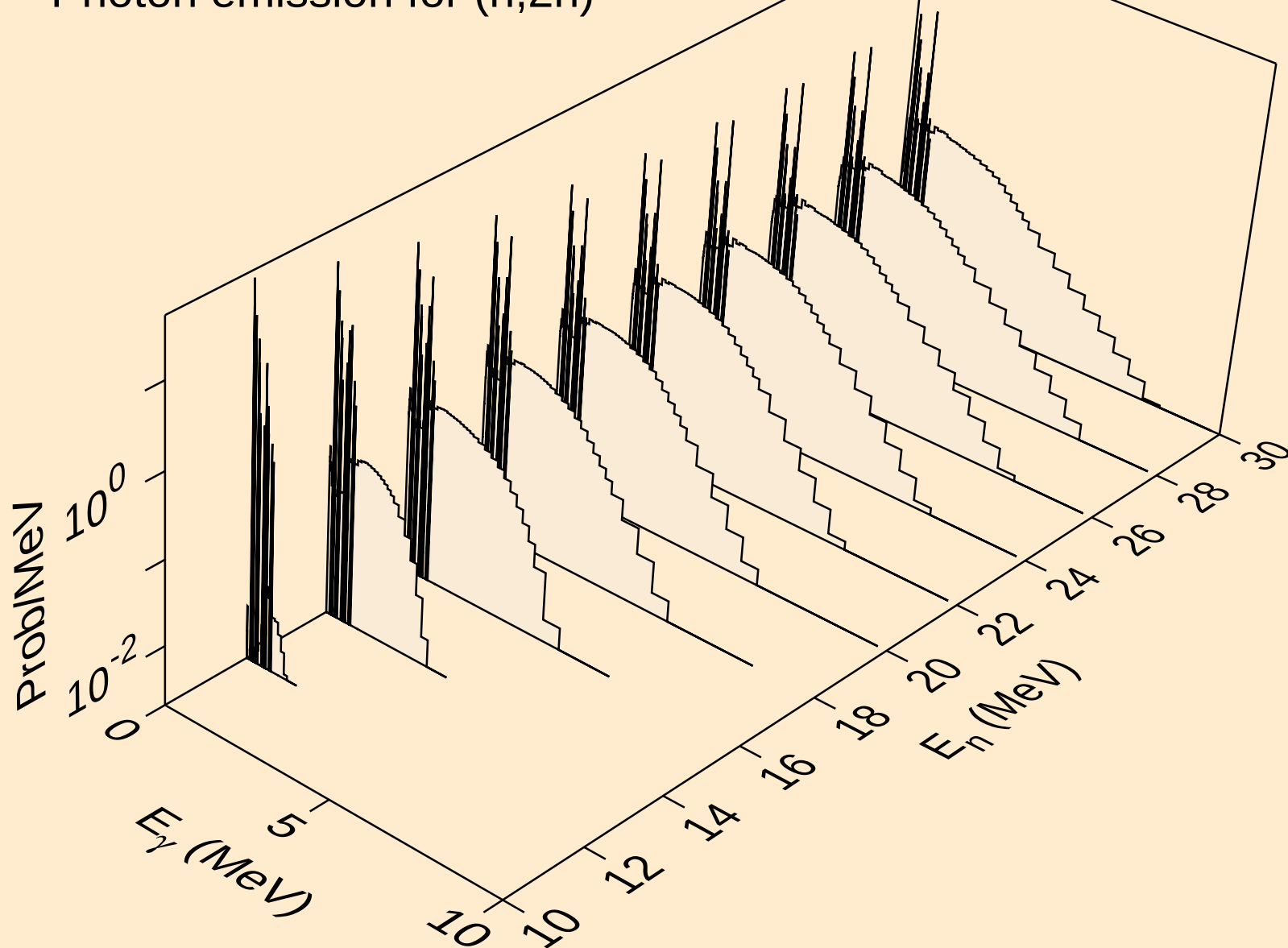
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



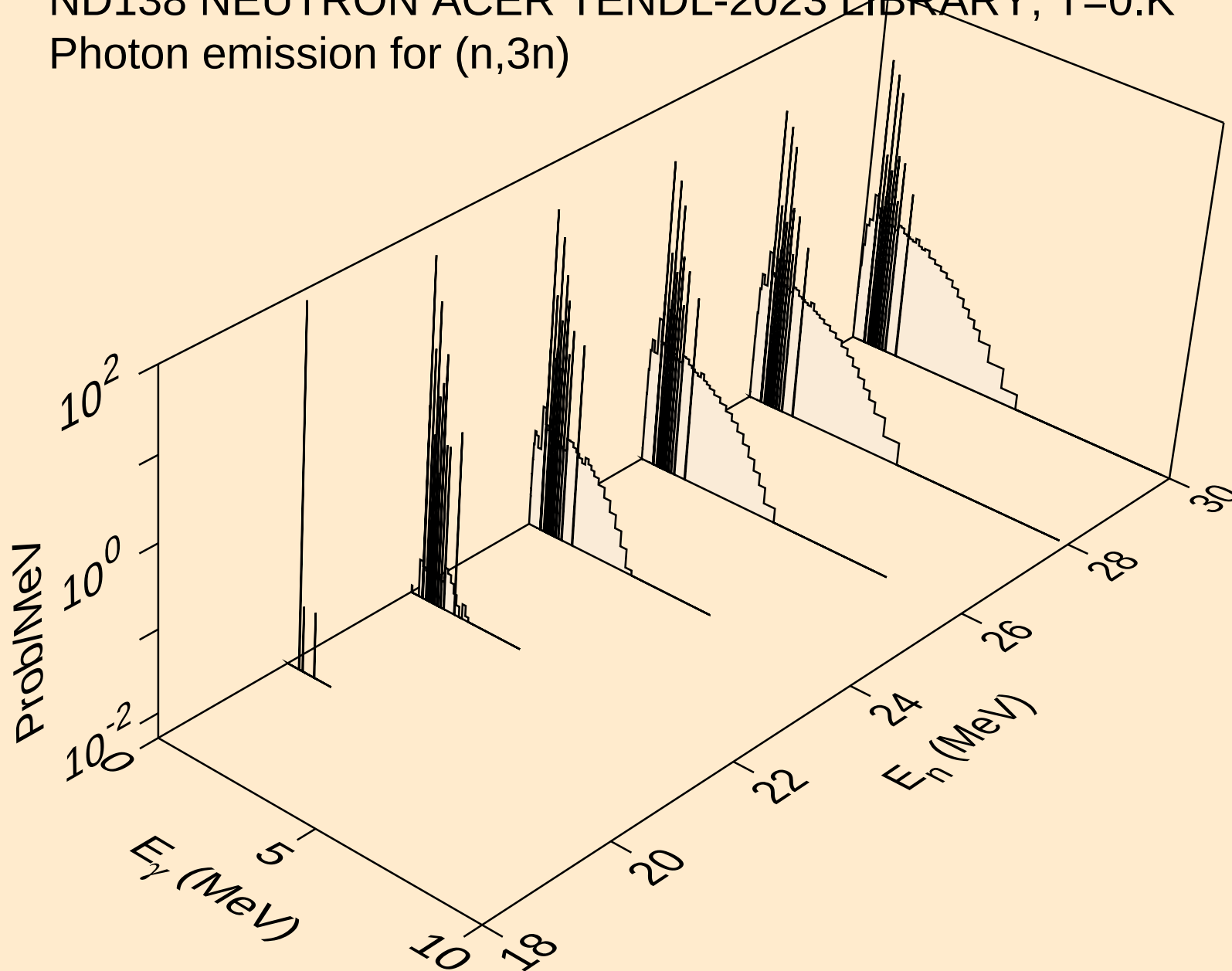
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



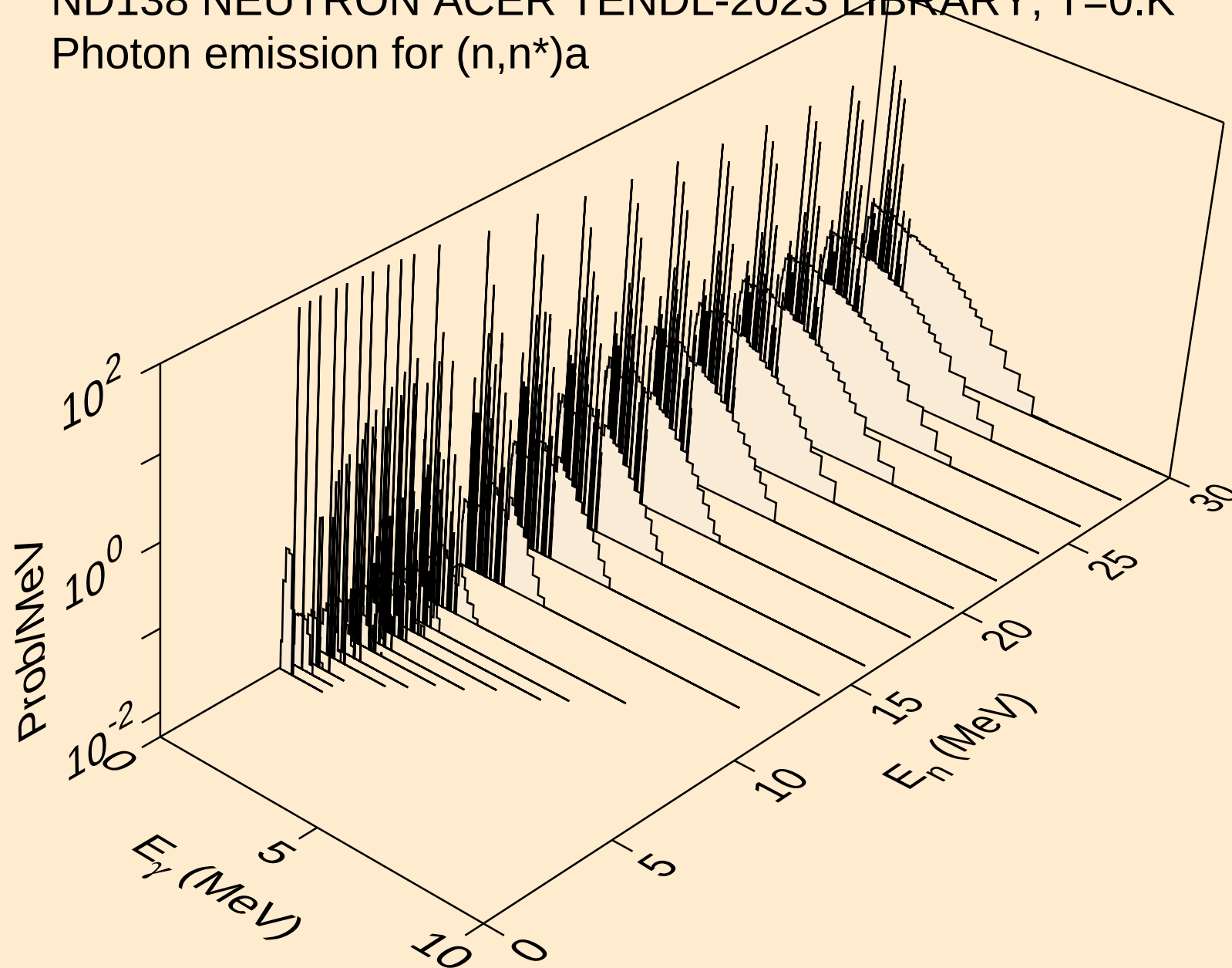
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



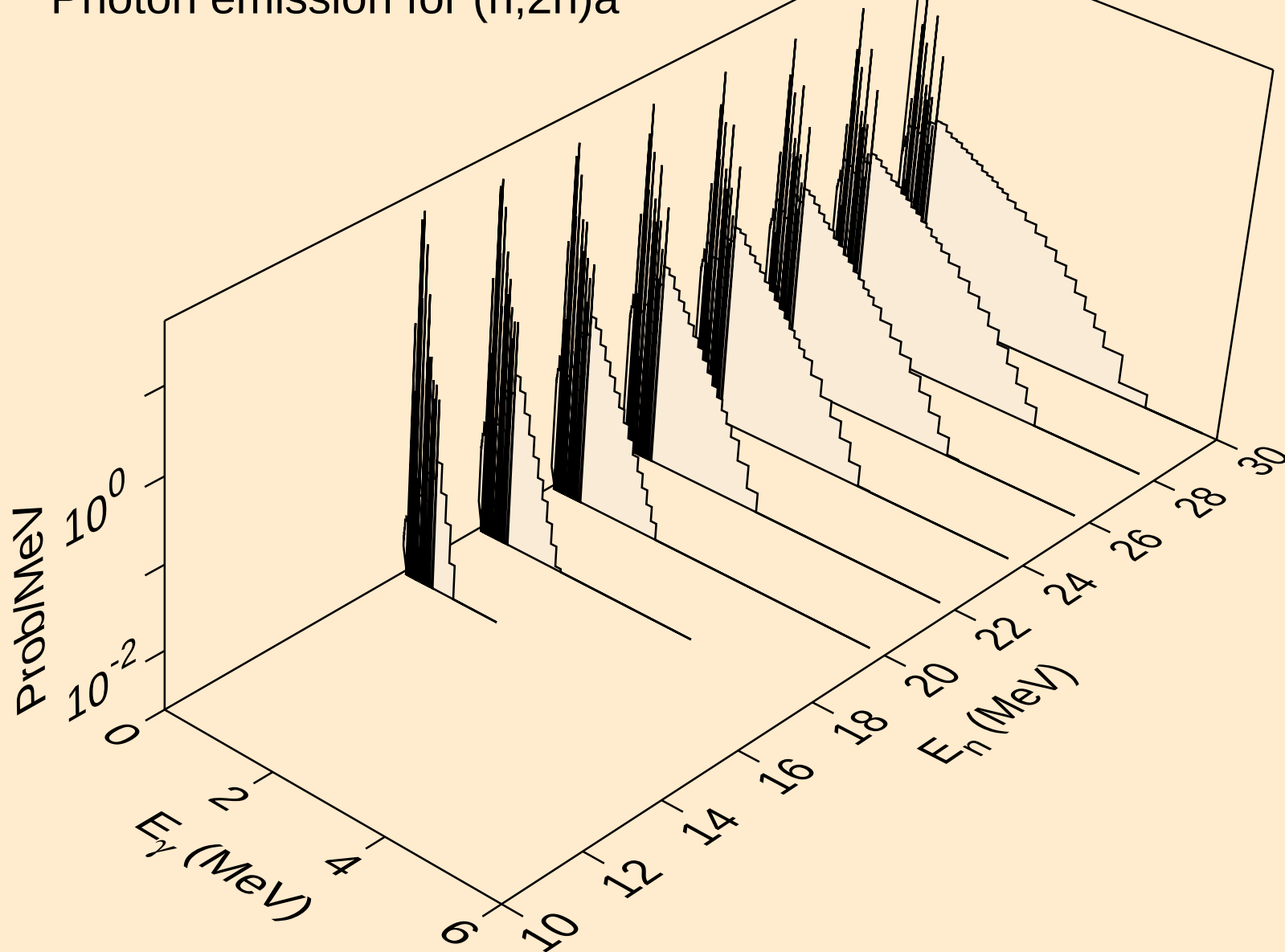
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



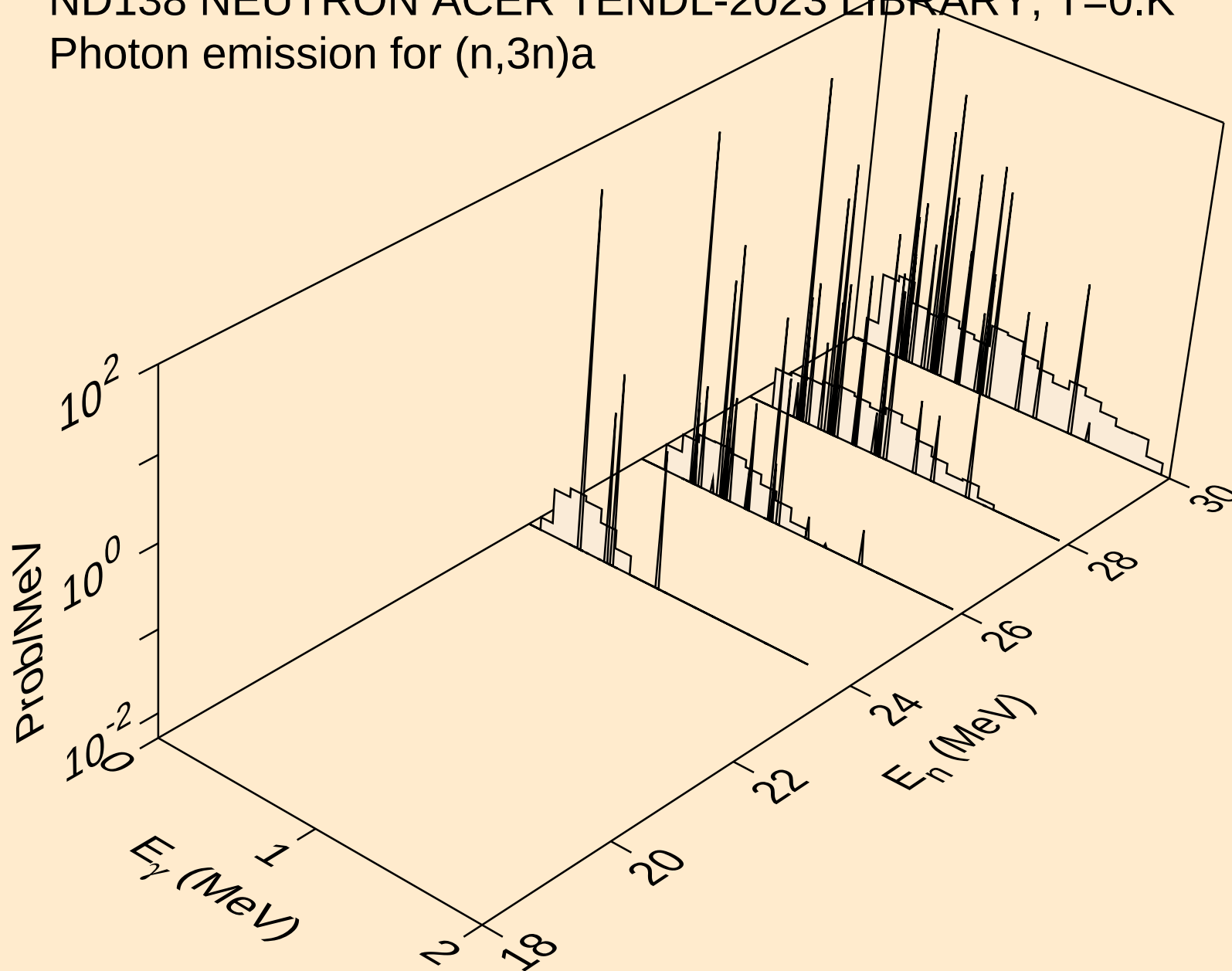
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



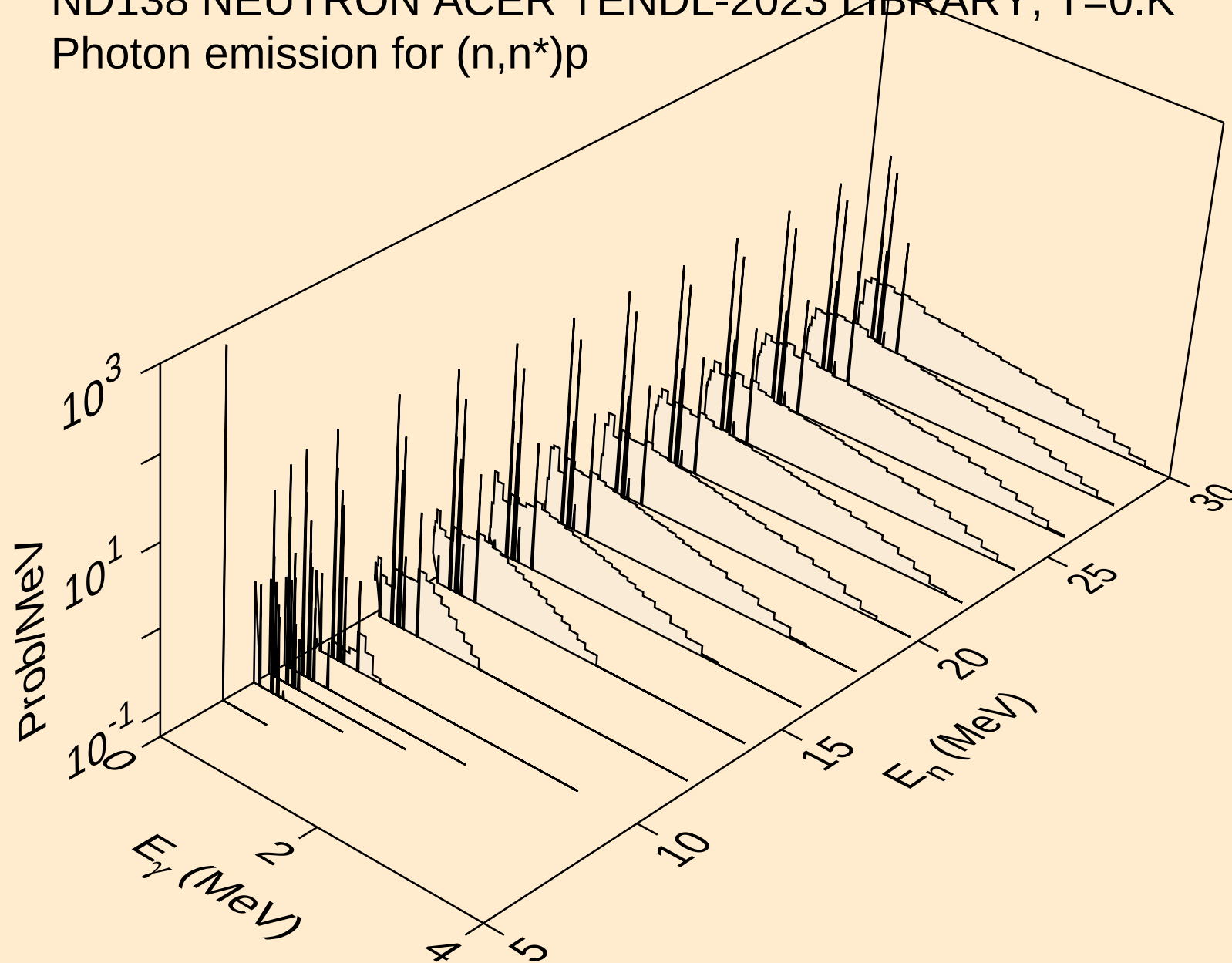
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n) α



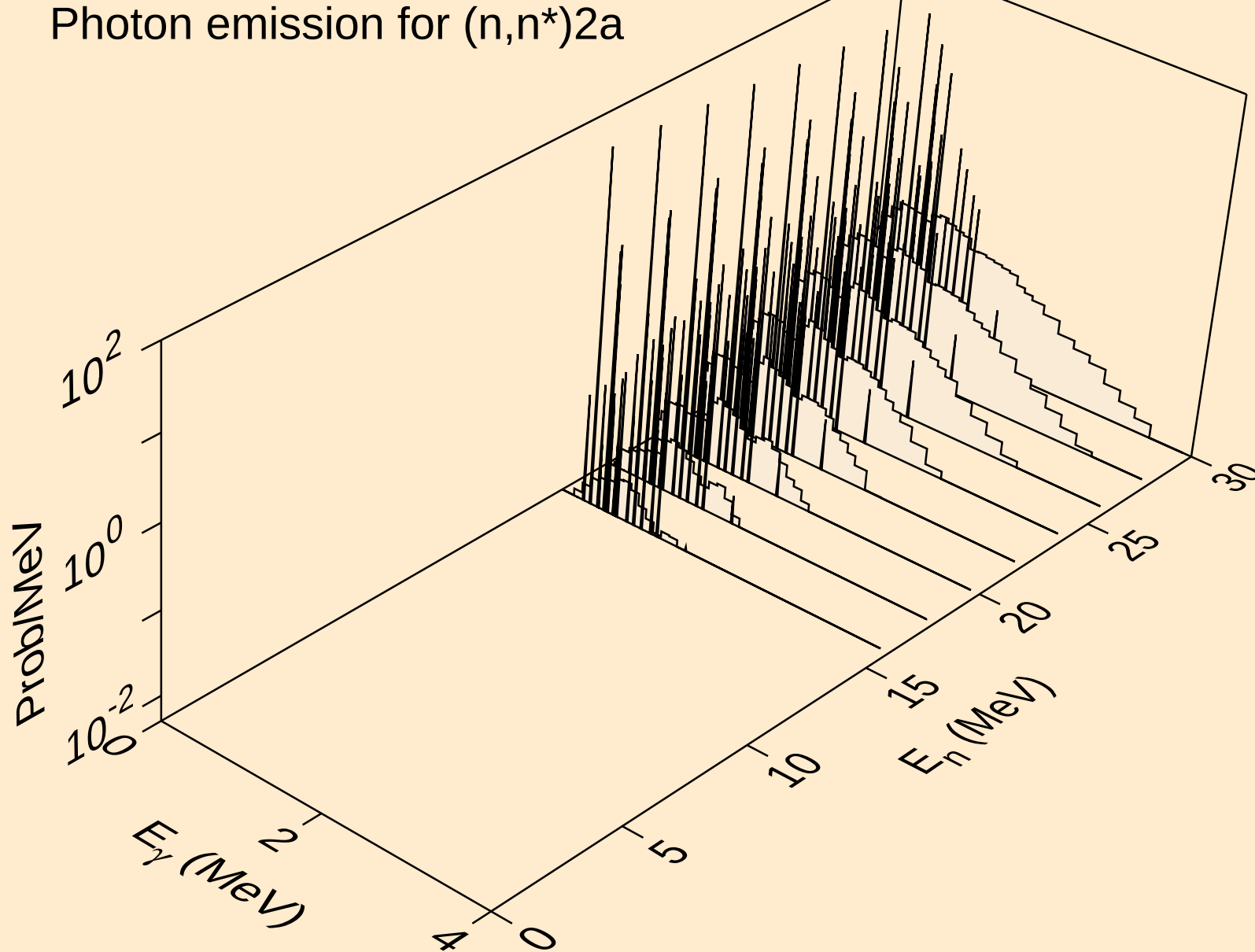
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n) α



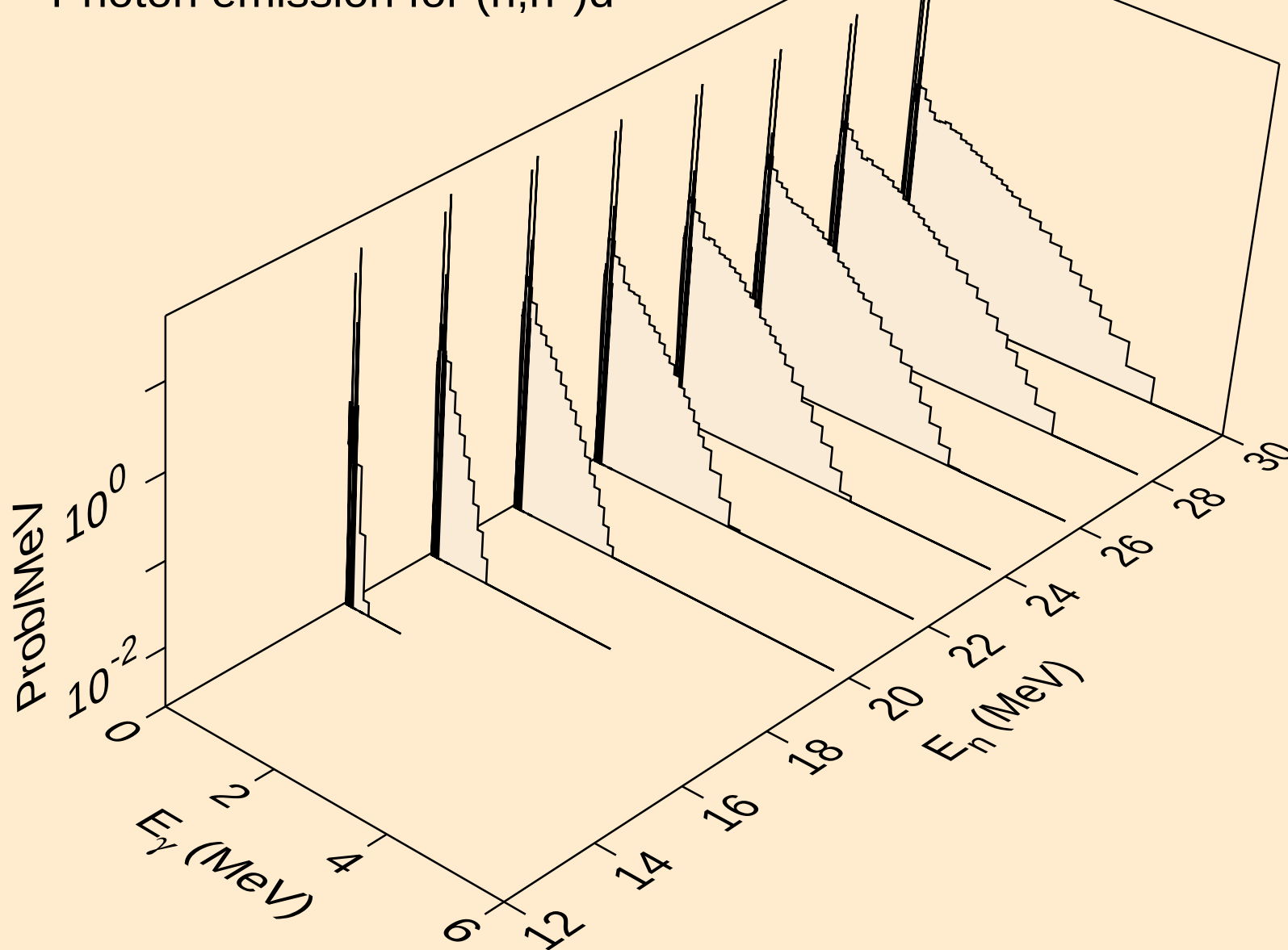
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



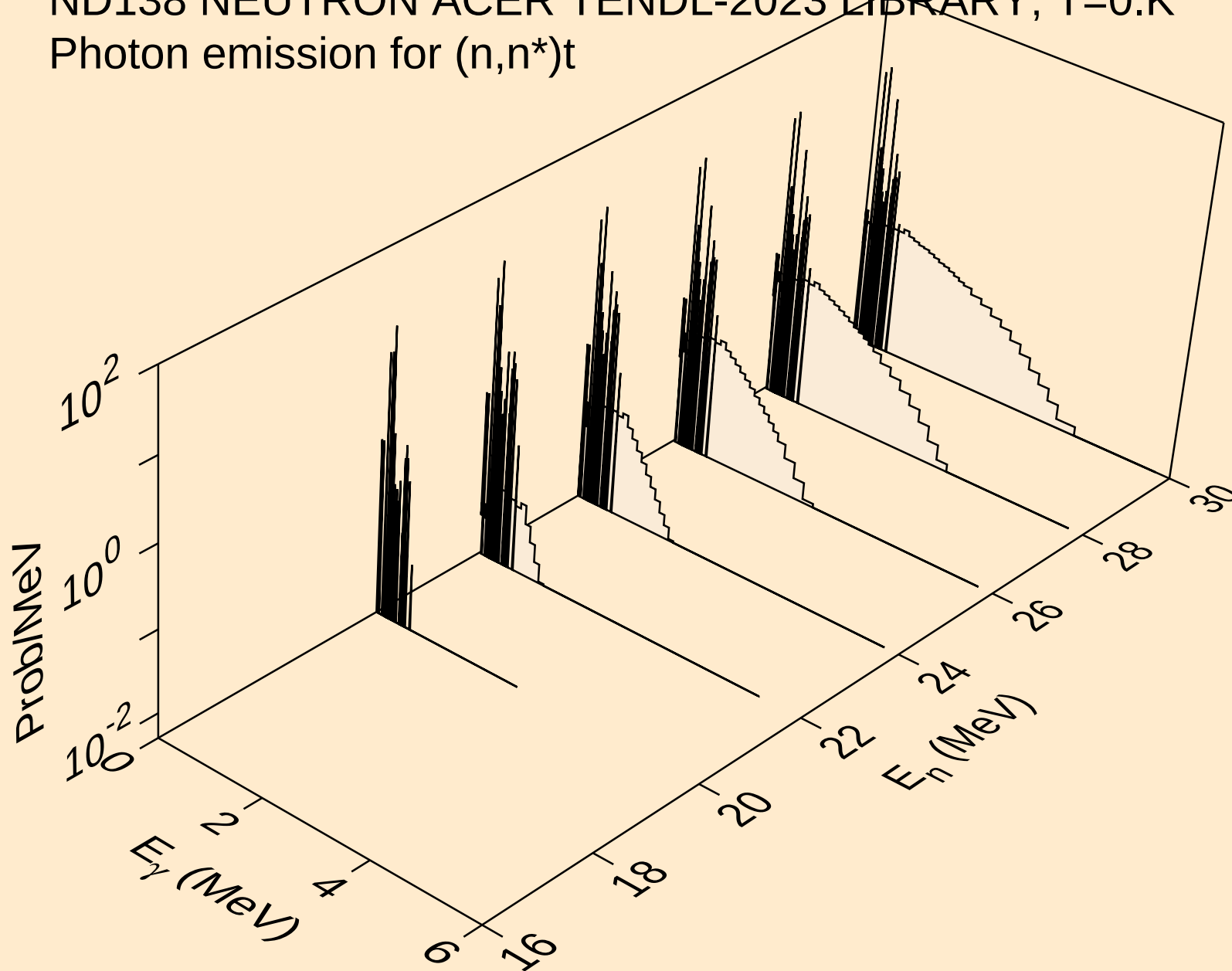
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



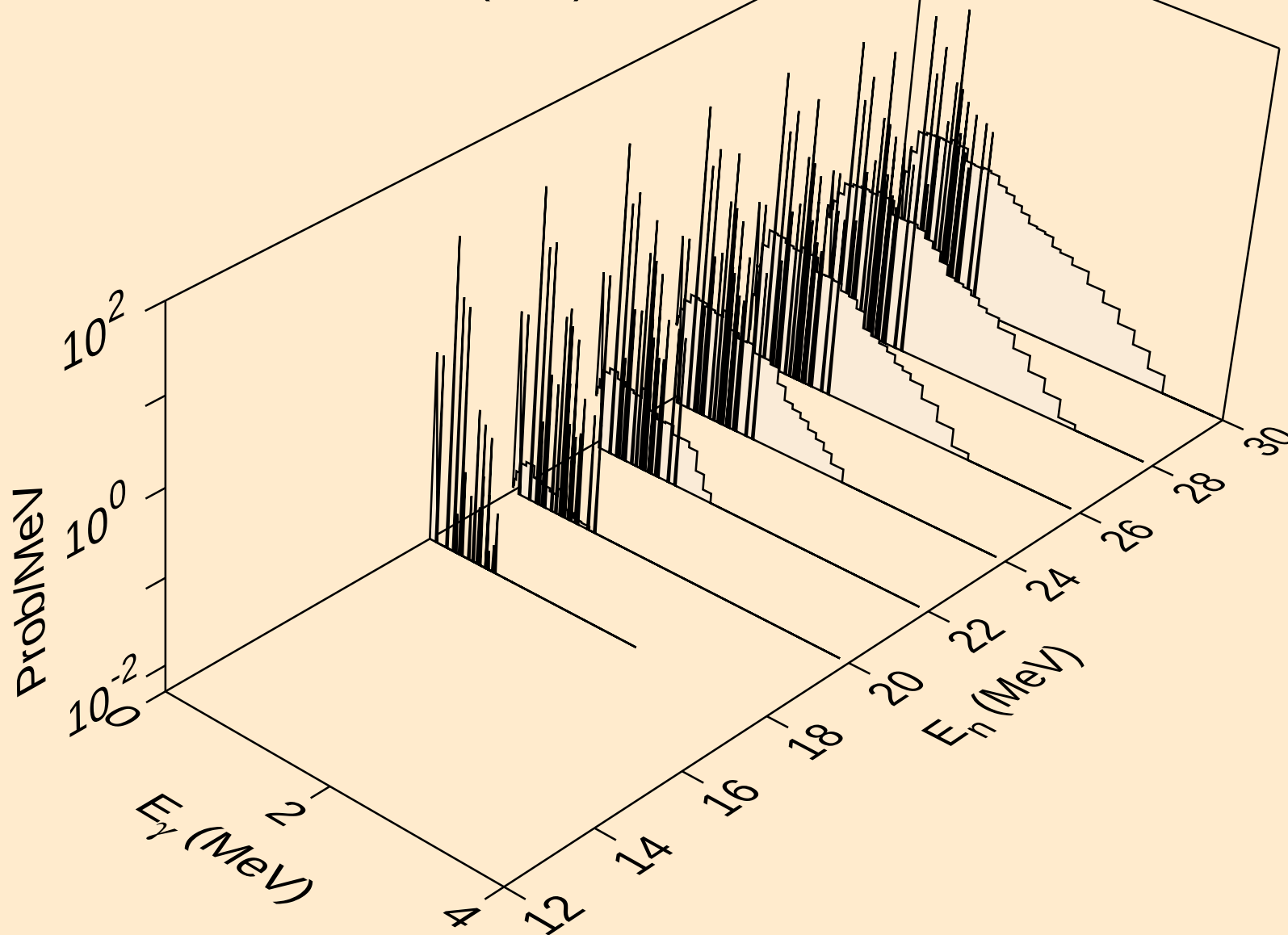
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



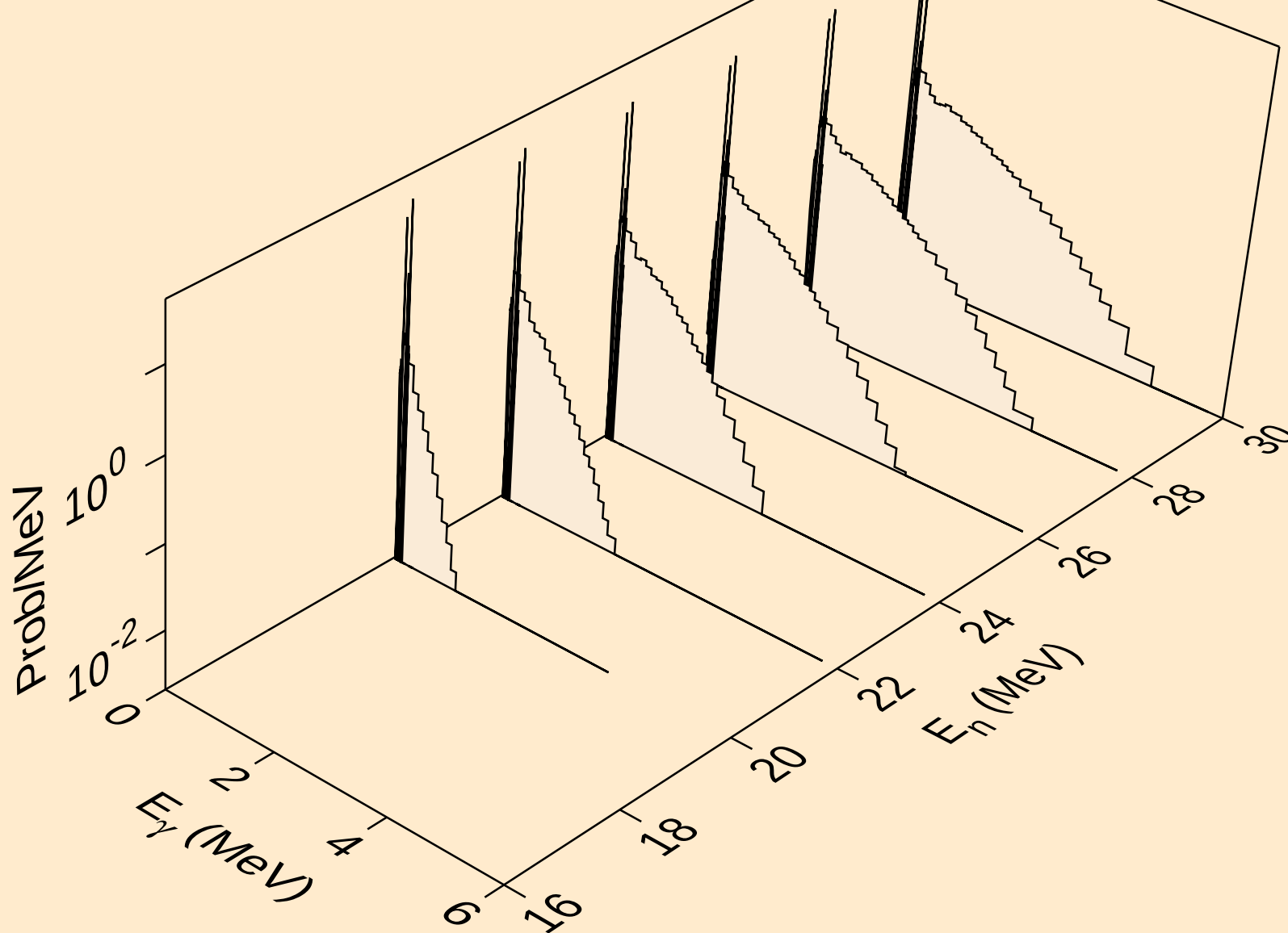
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



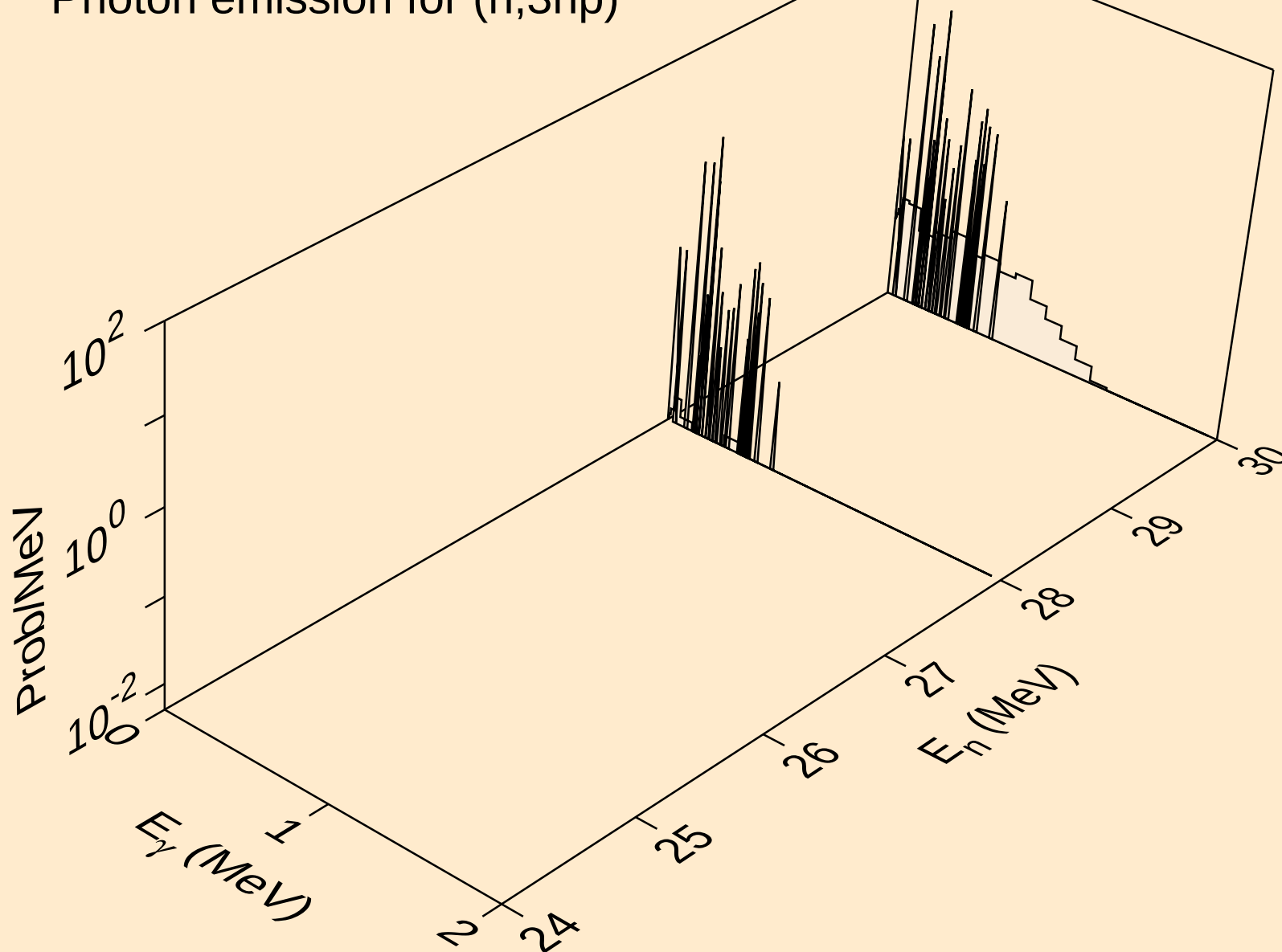
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



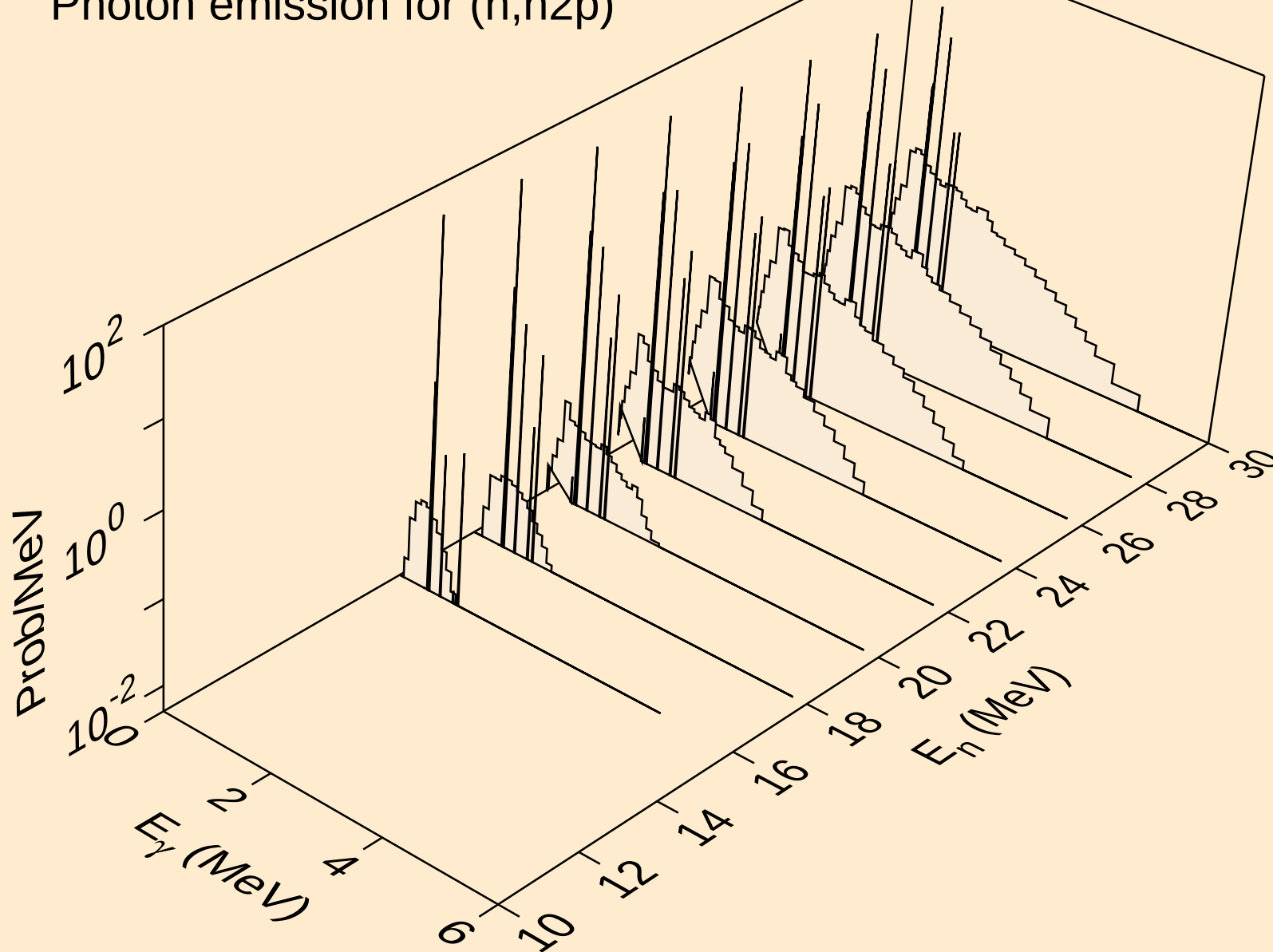
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



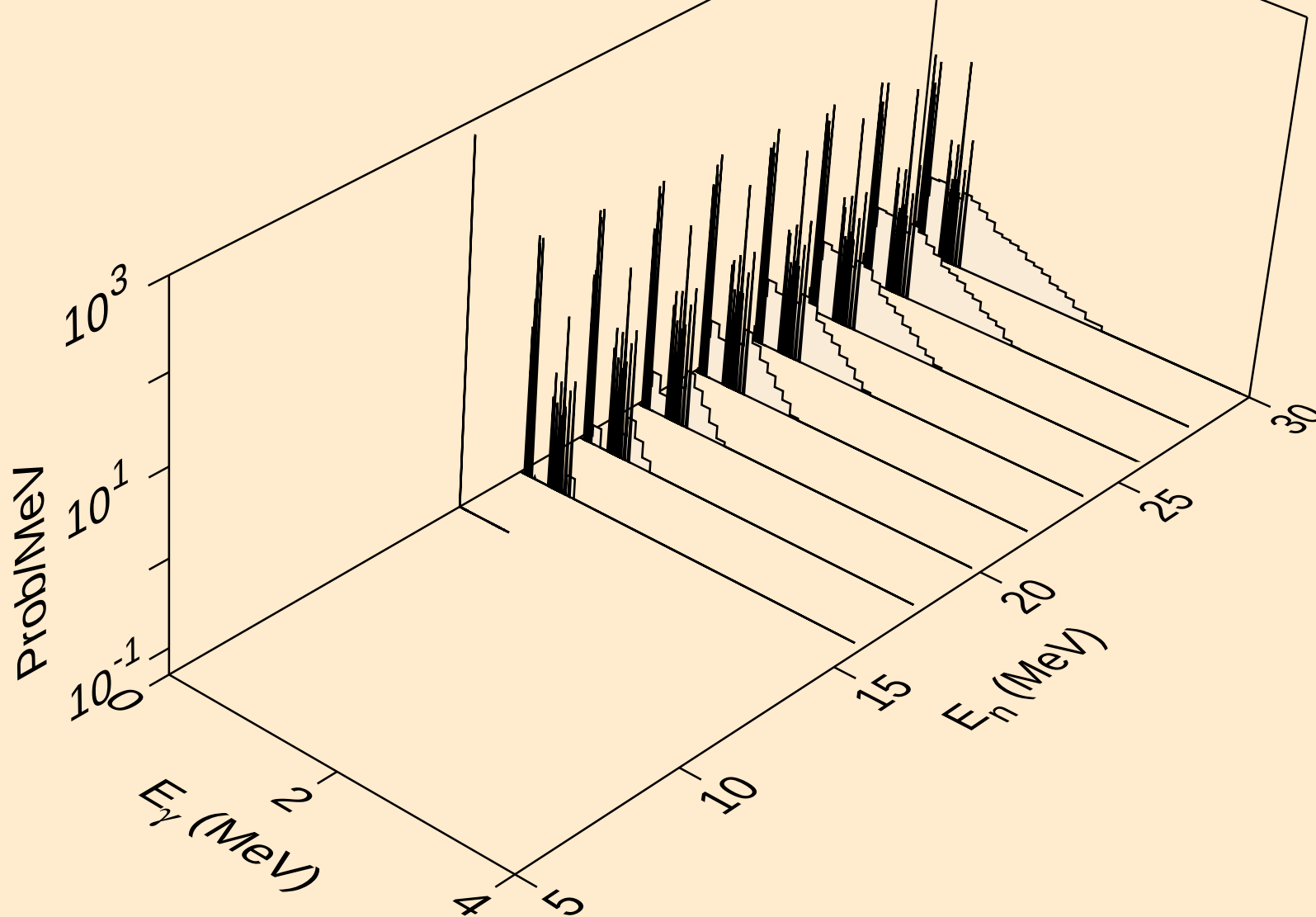
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



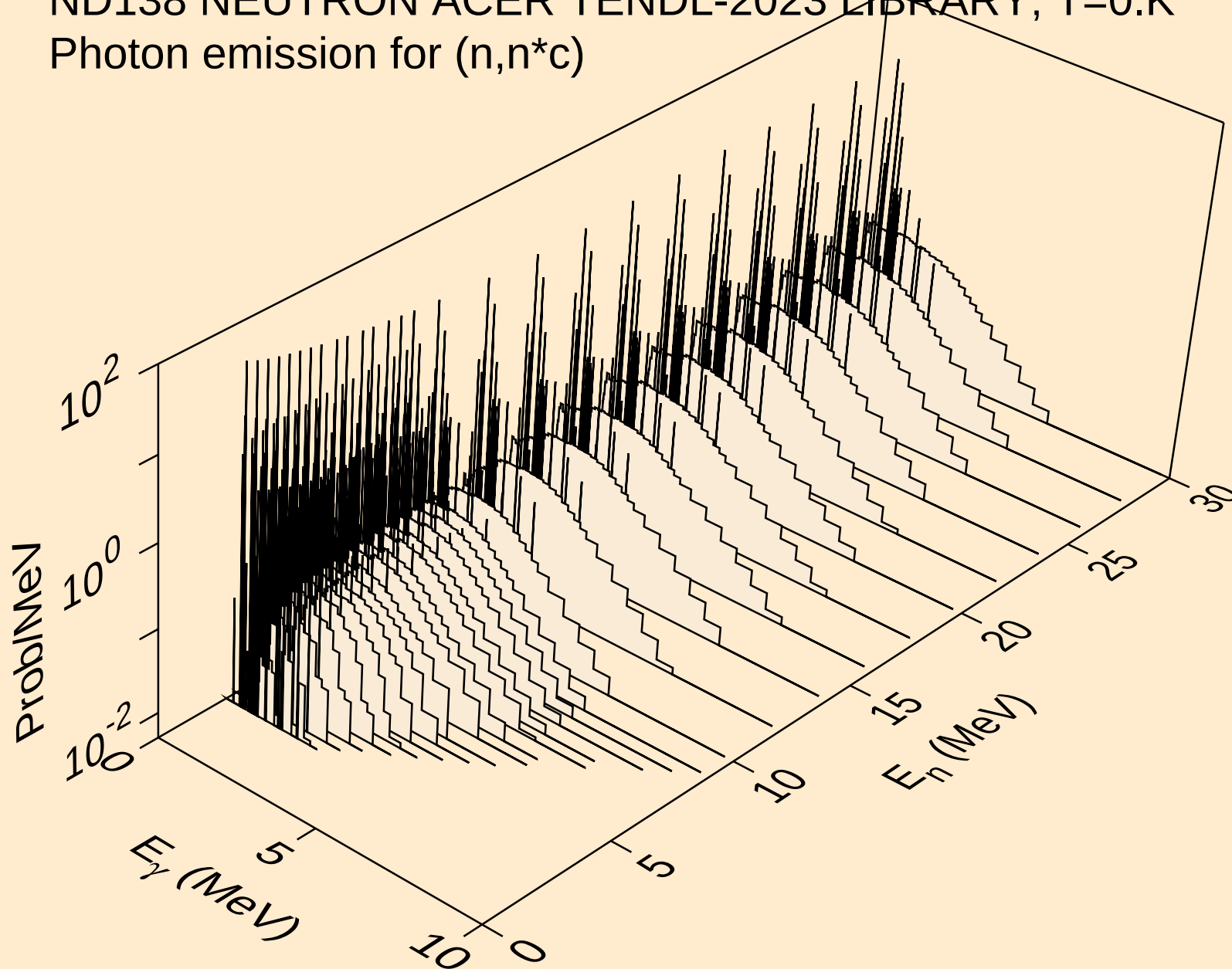
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



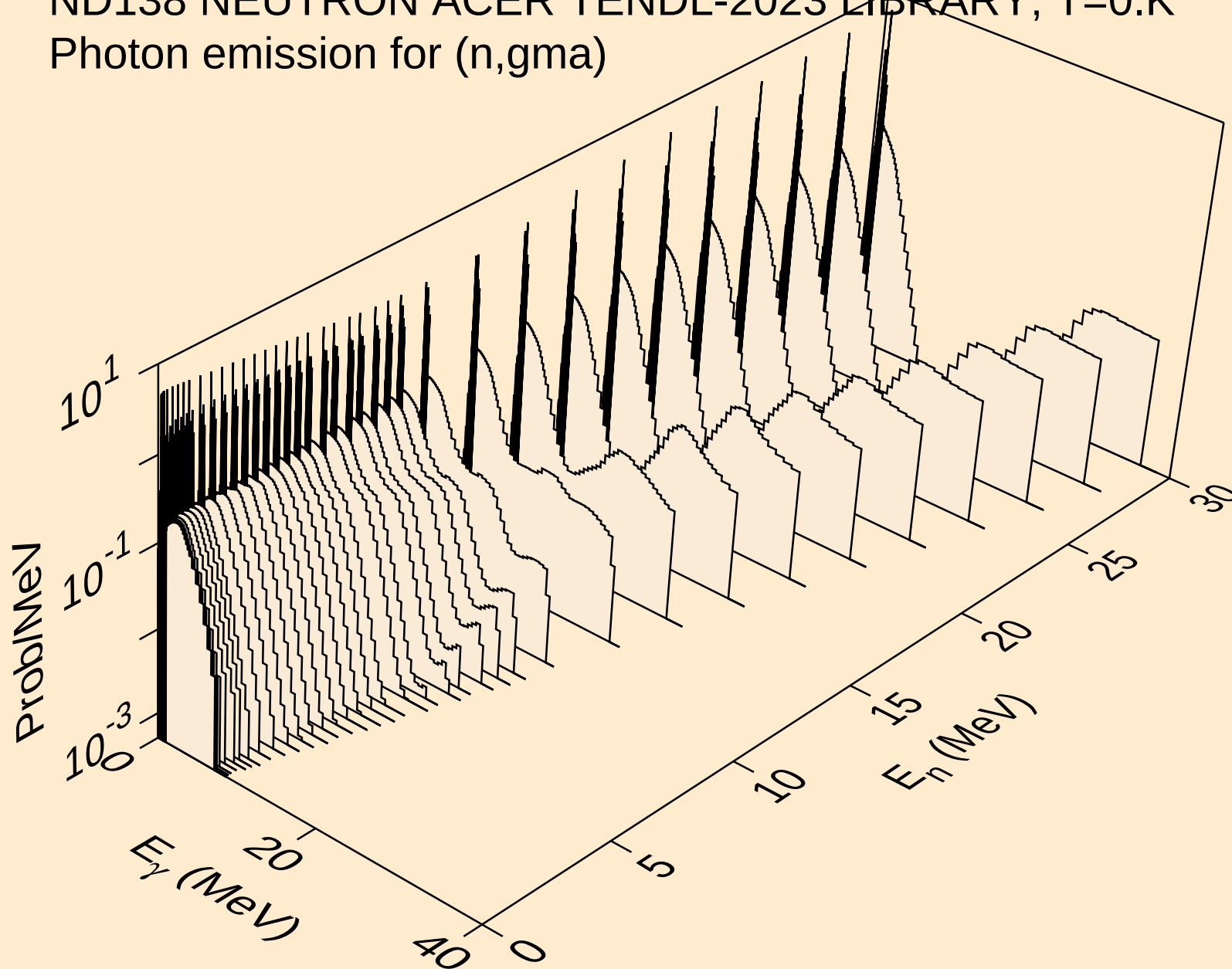
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



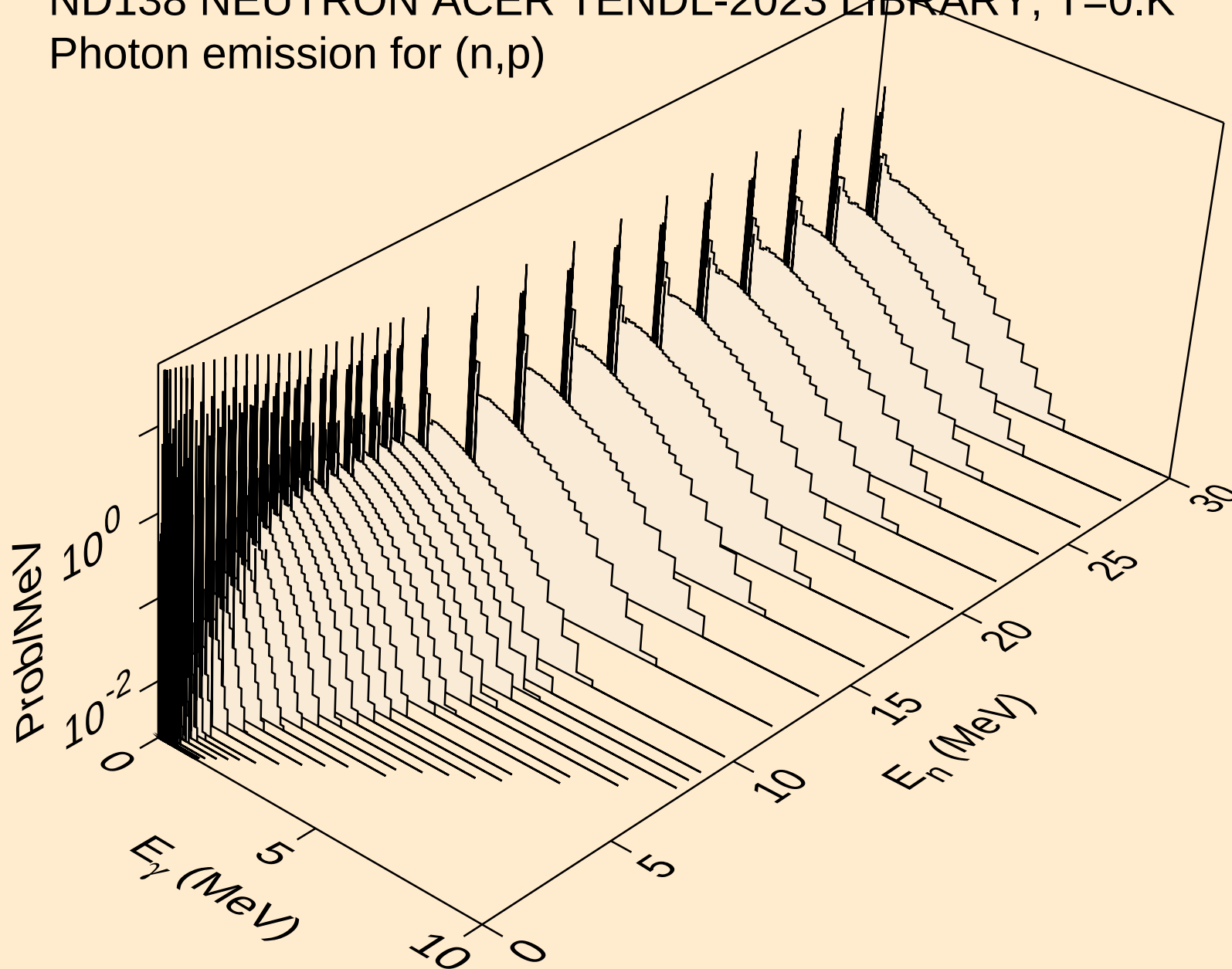
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



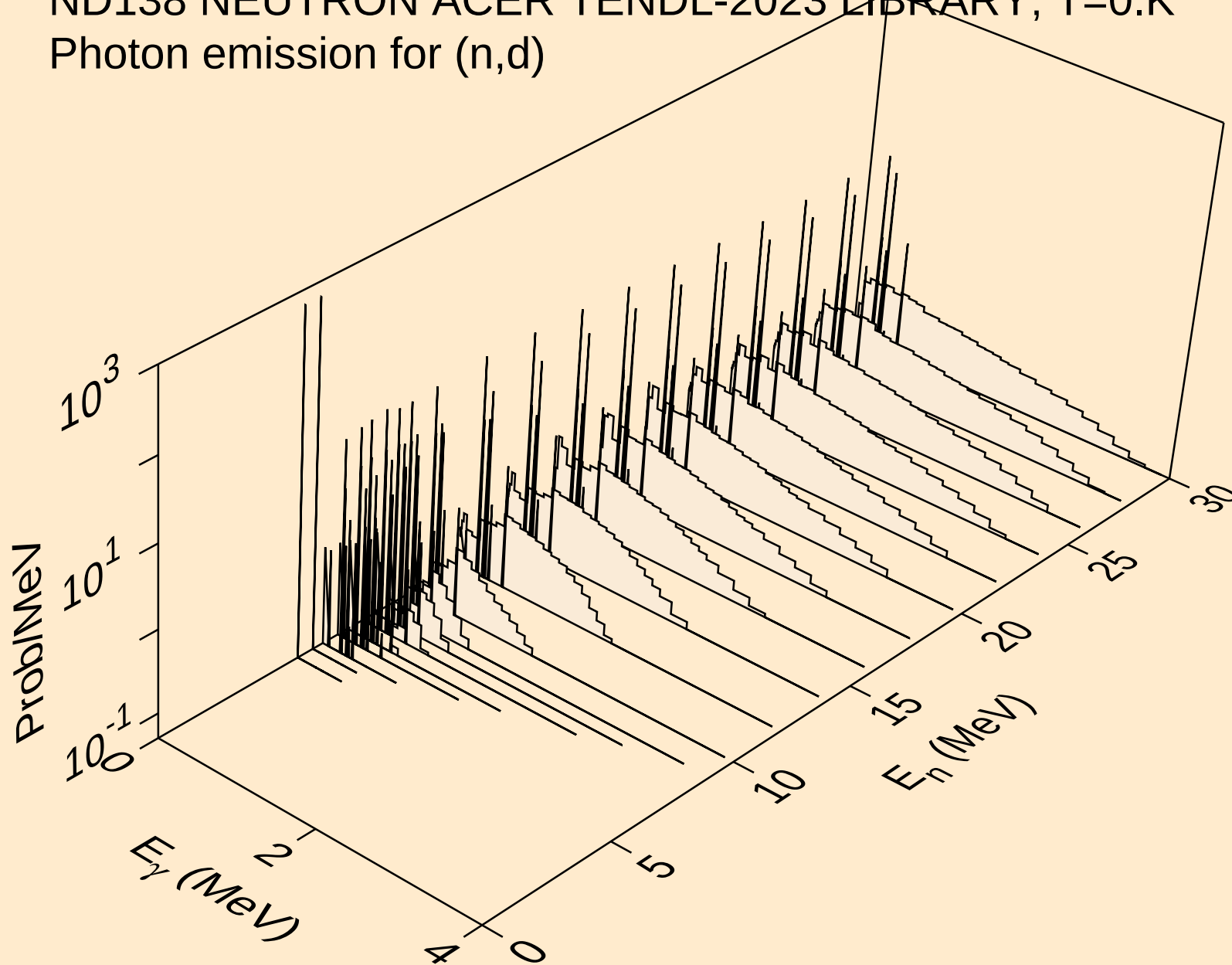
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



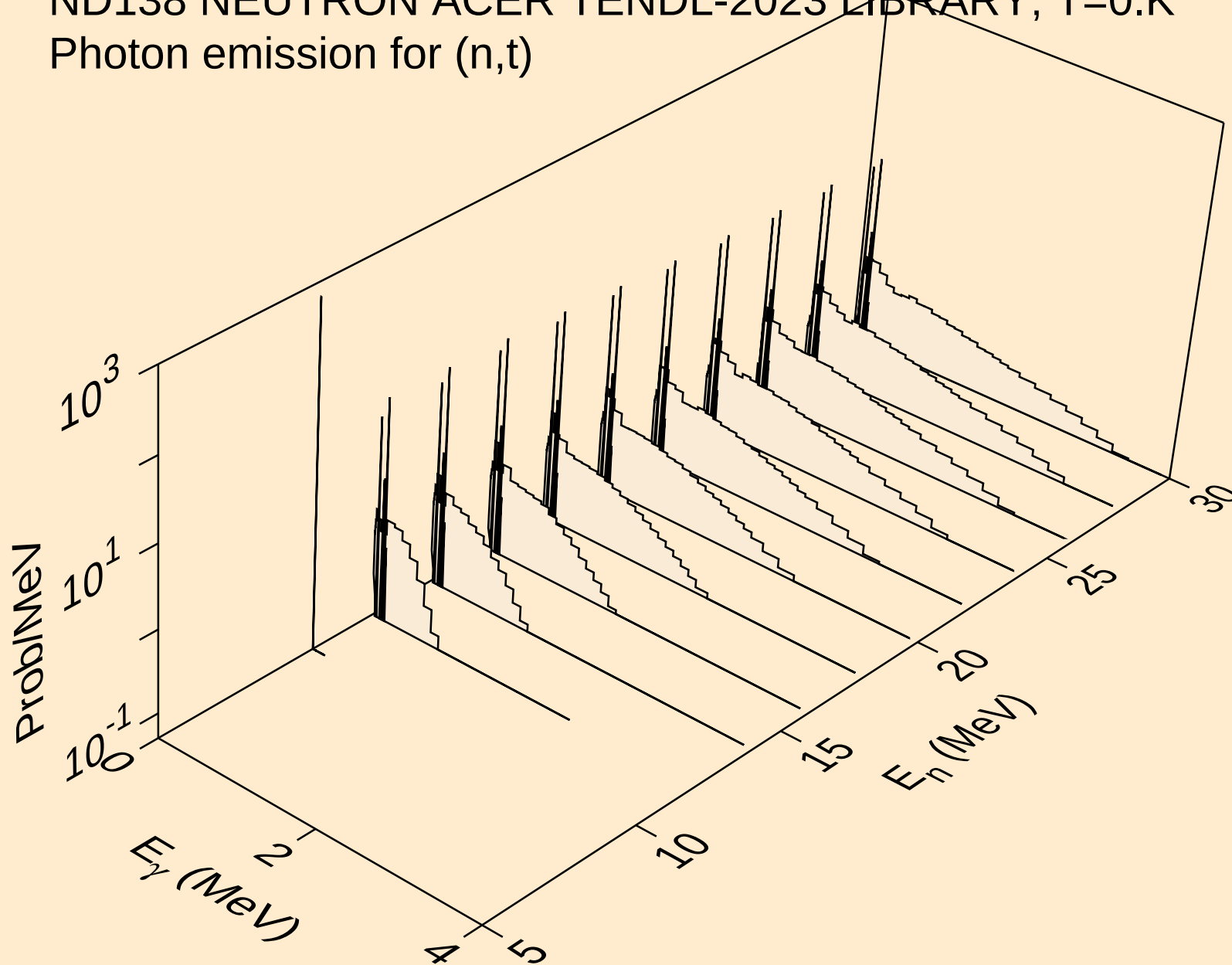
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



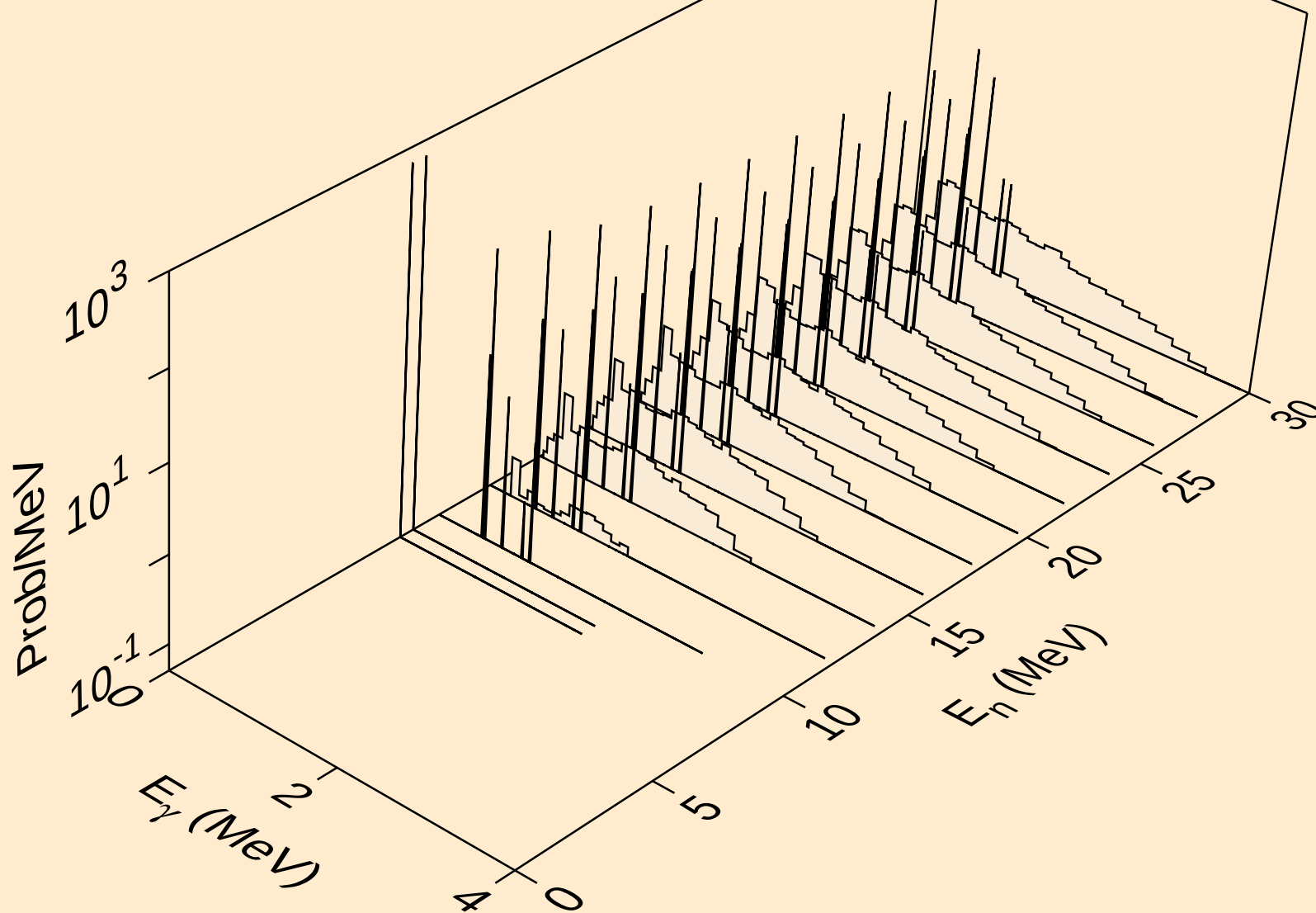
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



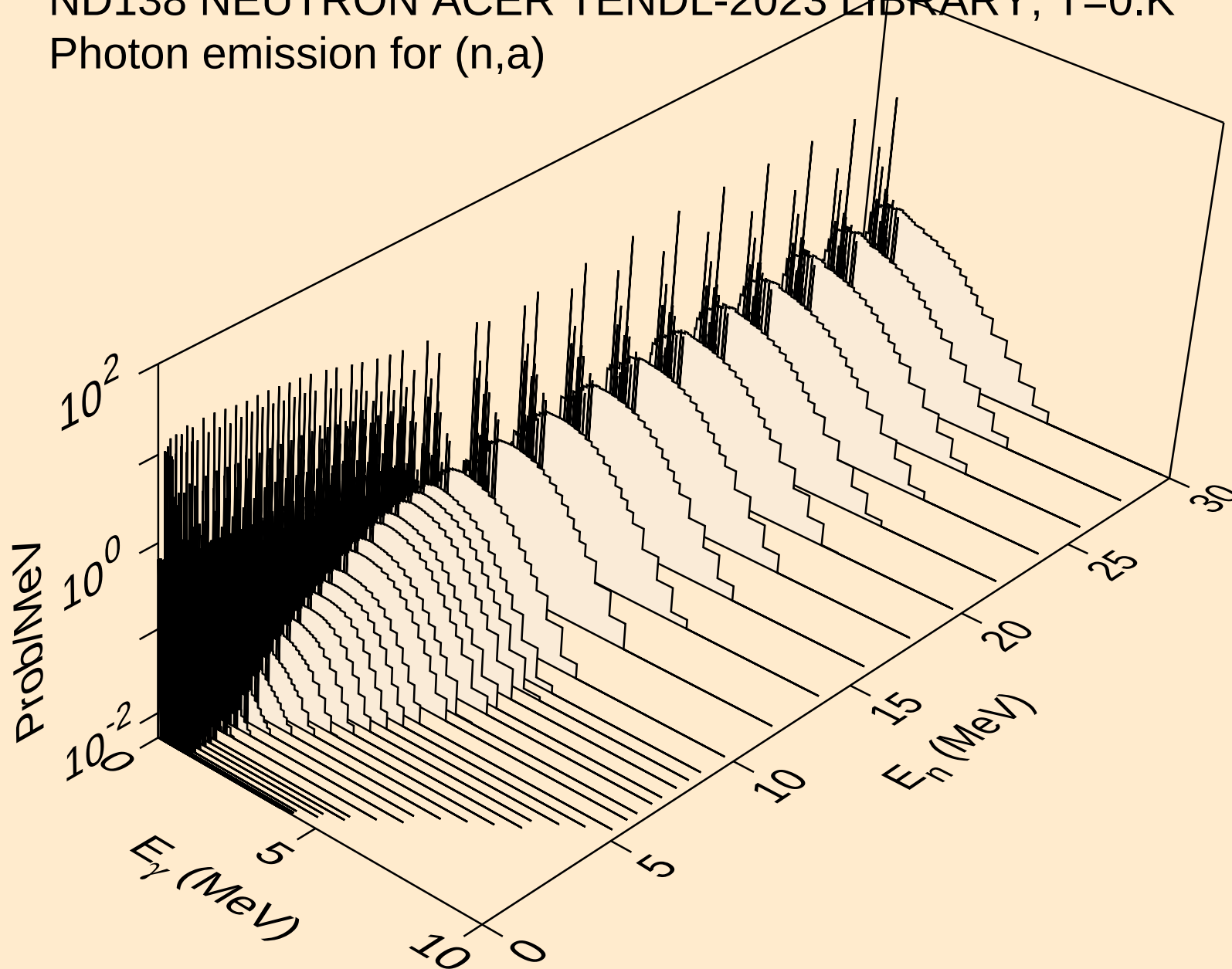
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



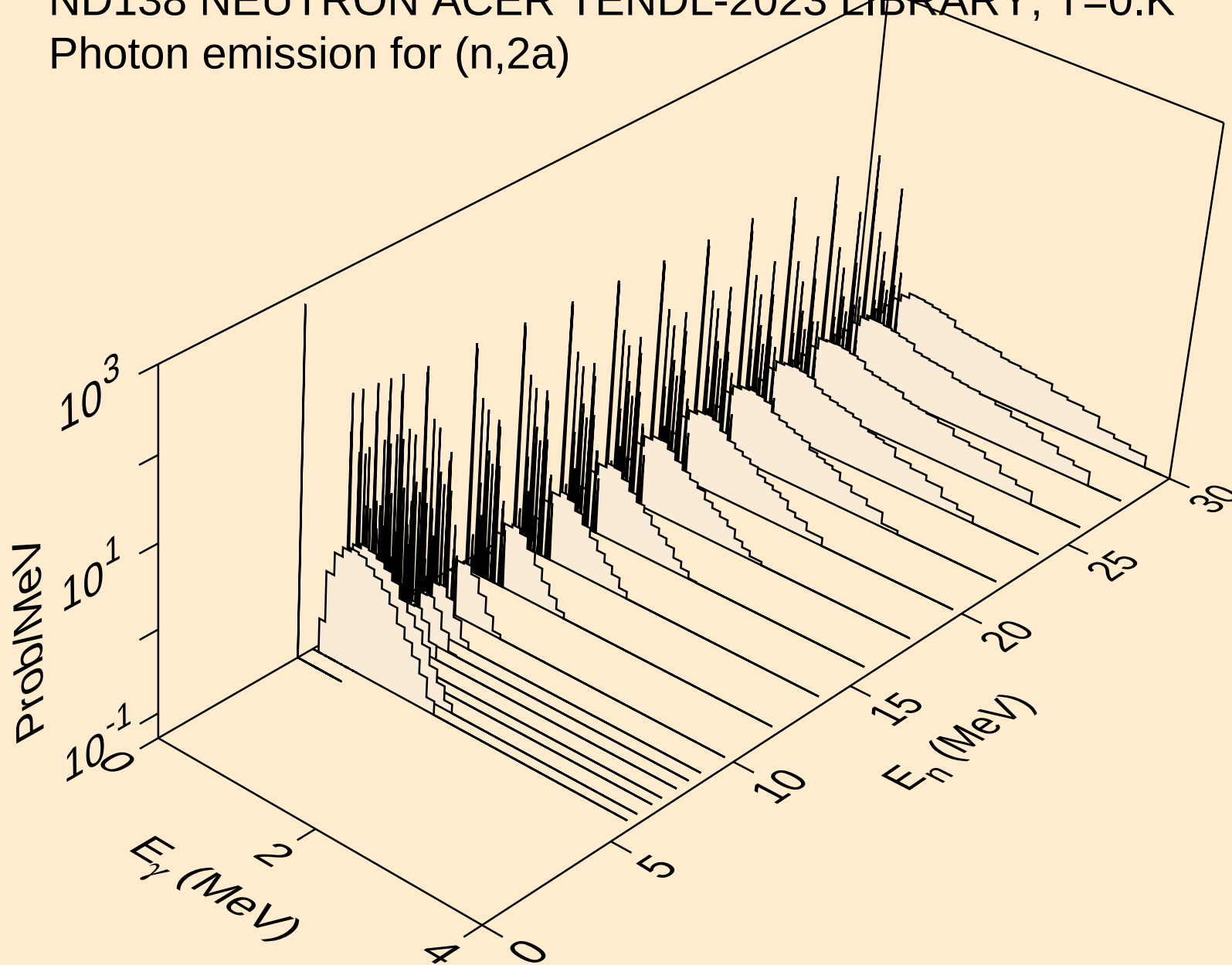
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



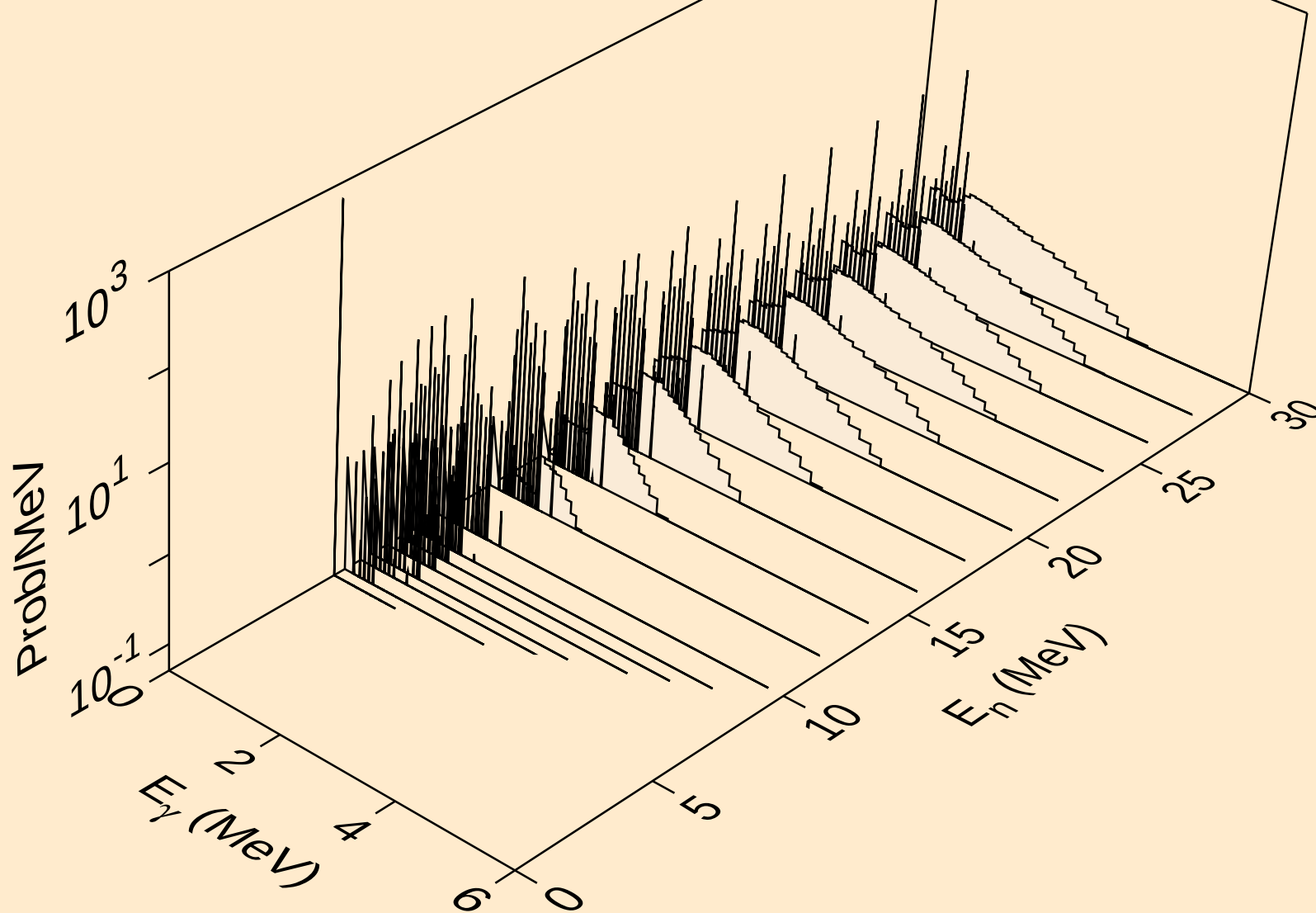
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



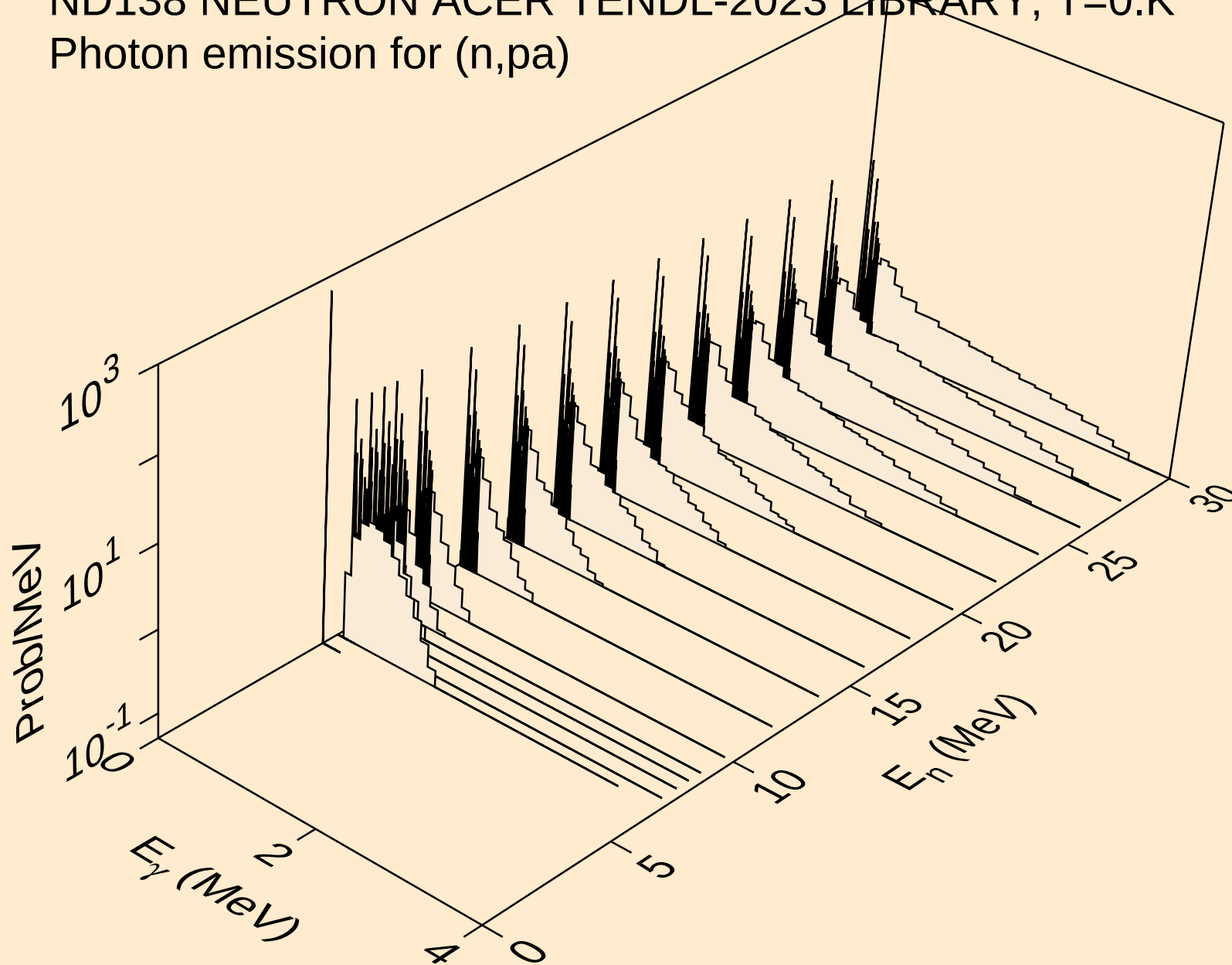
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



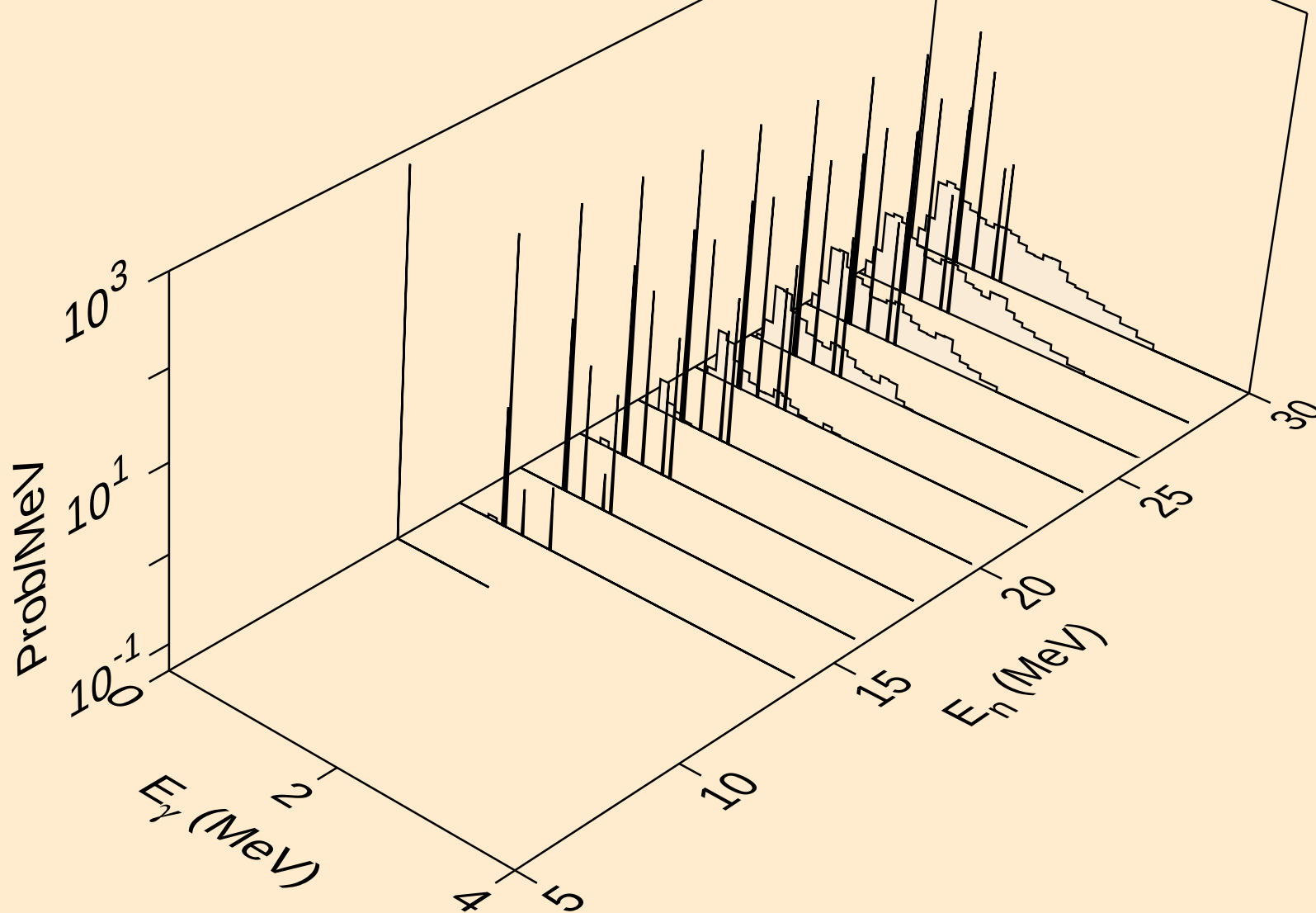
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



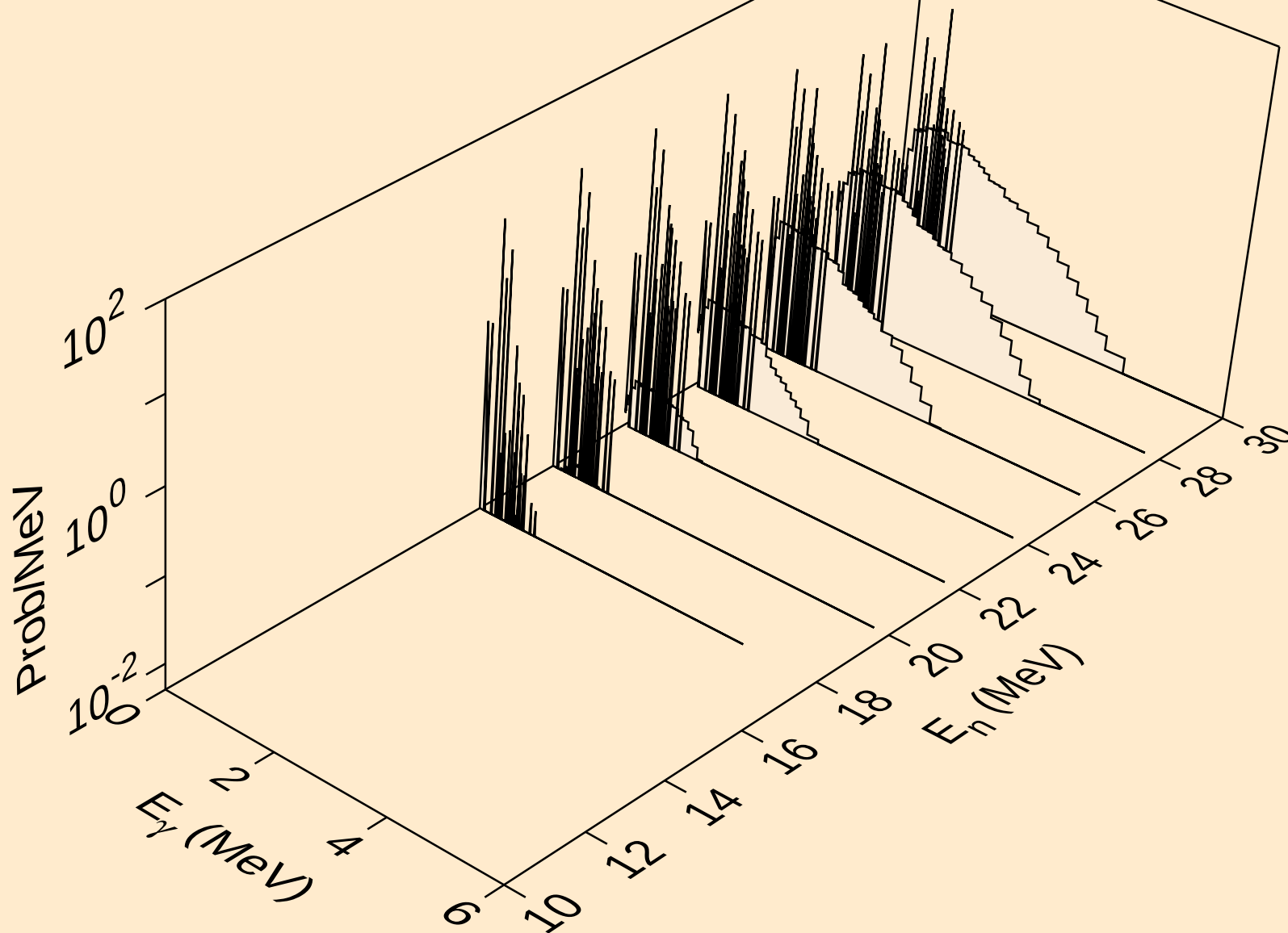
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



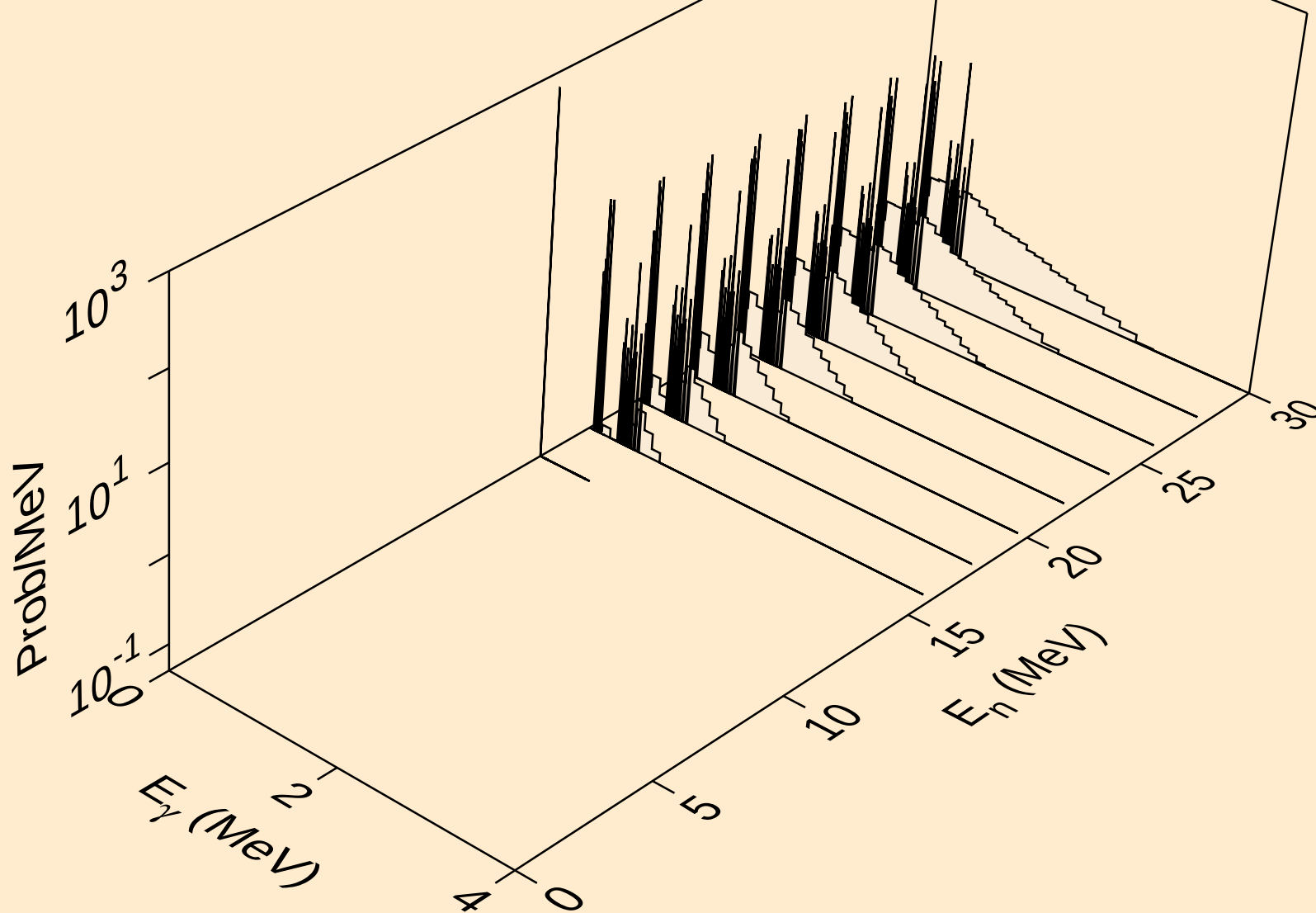
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



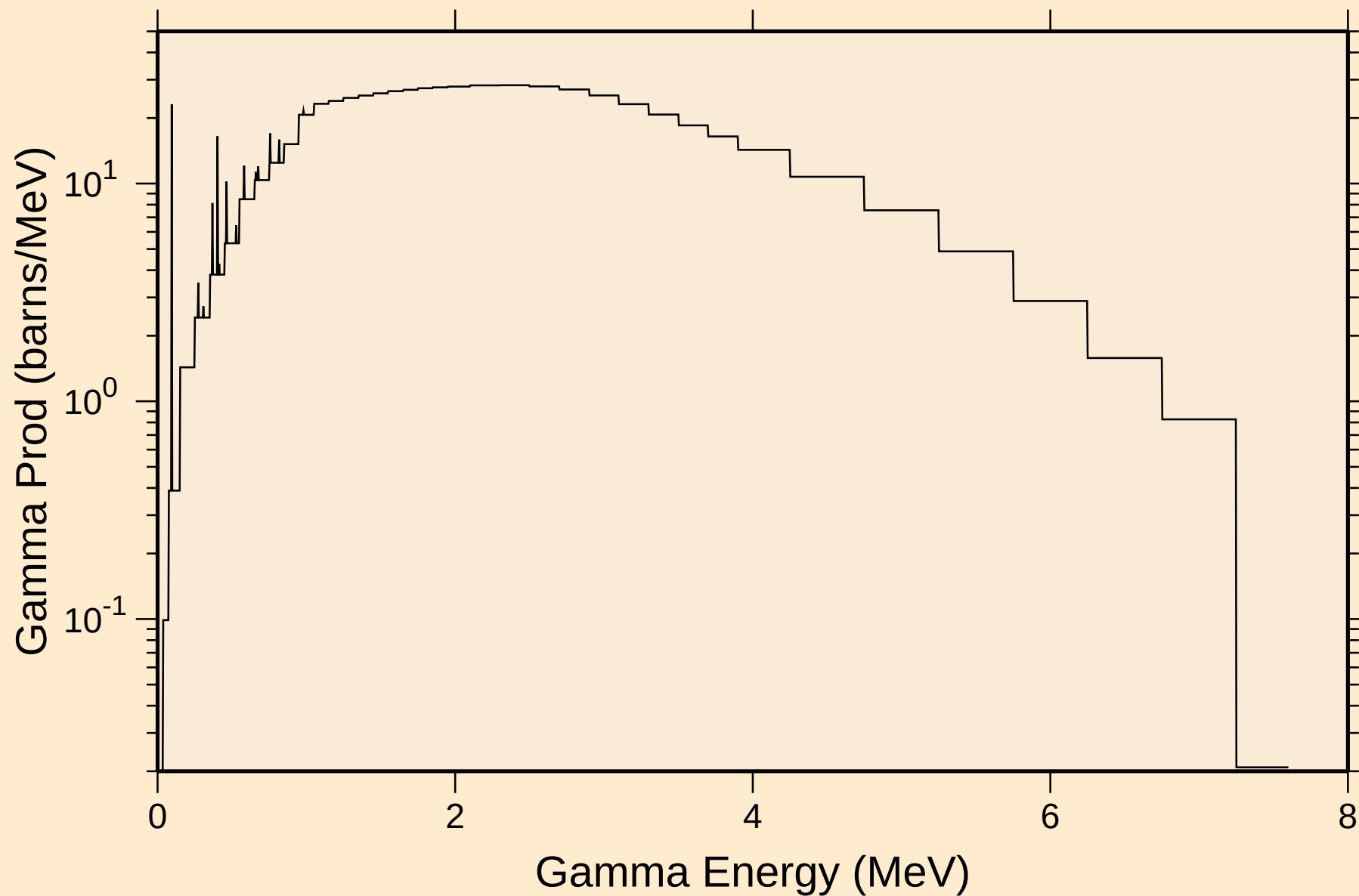
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



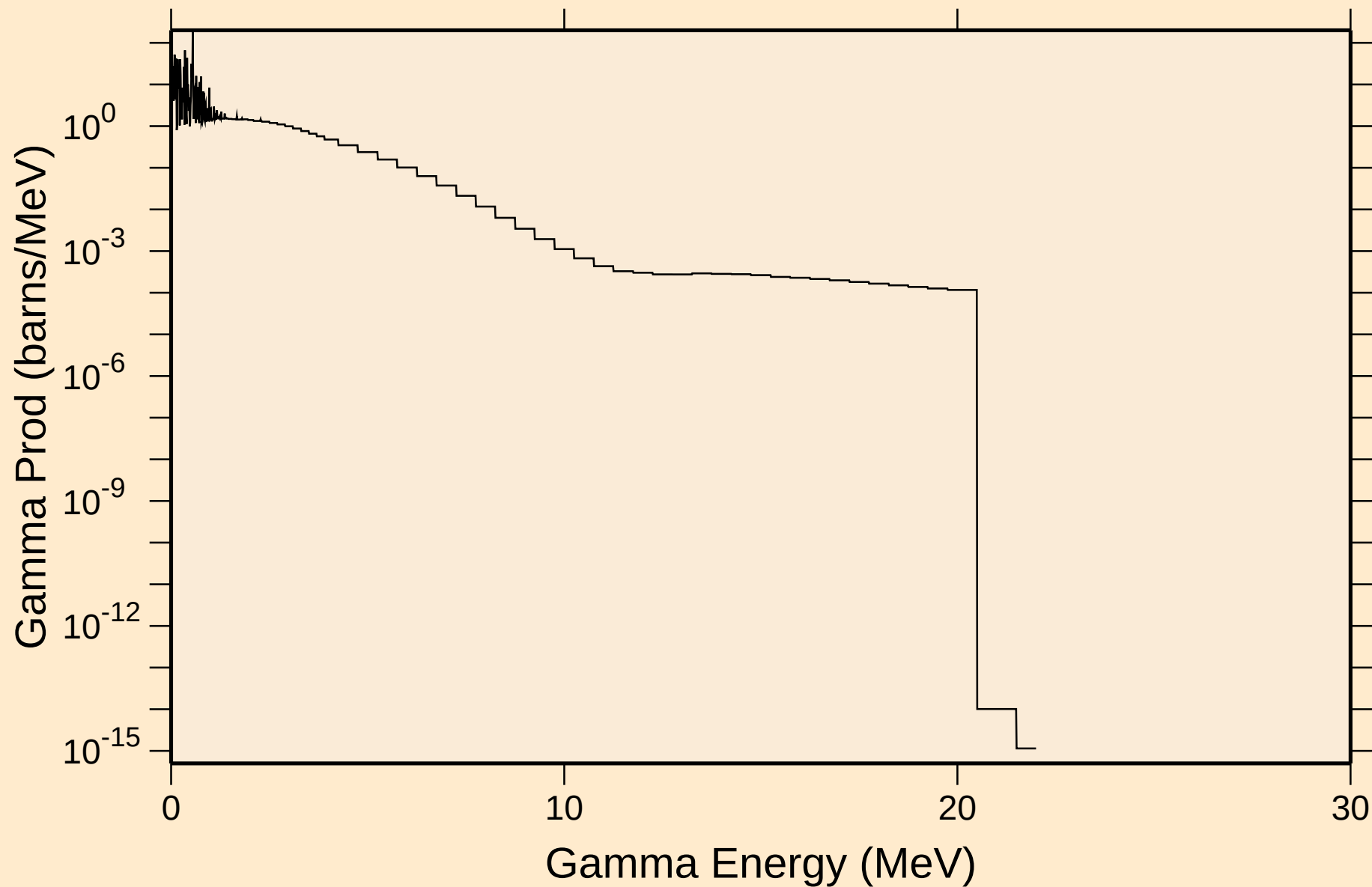
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

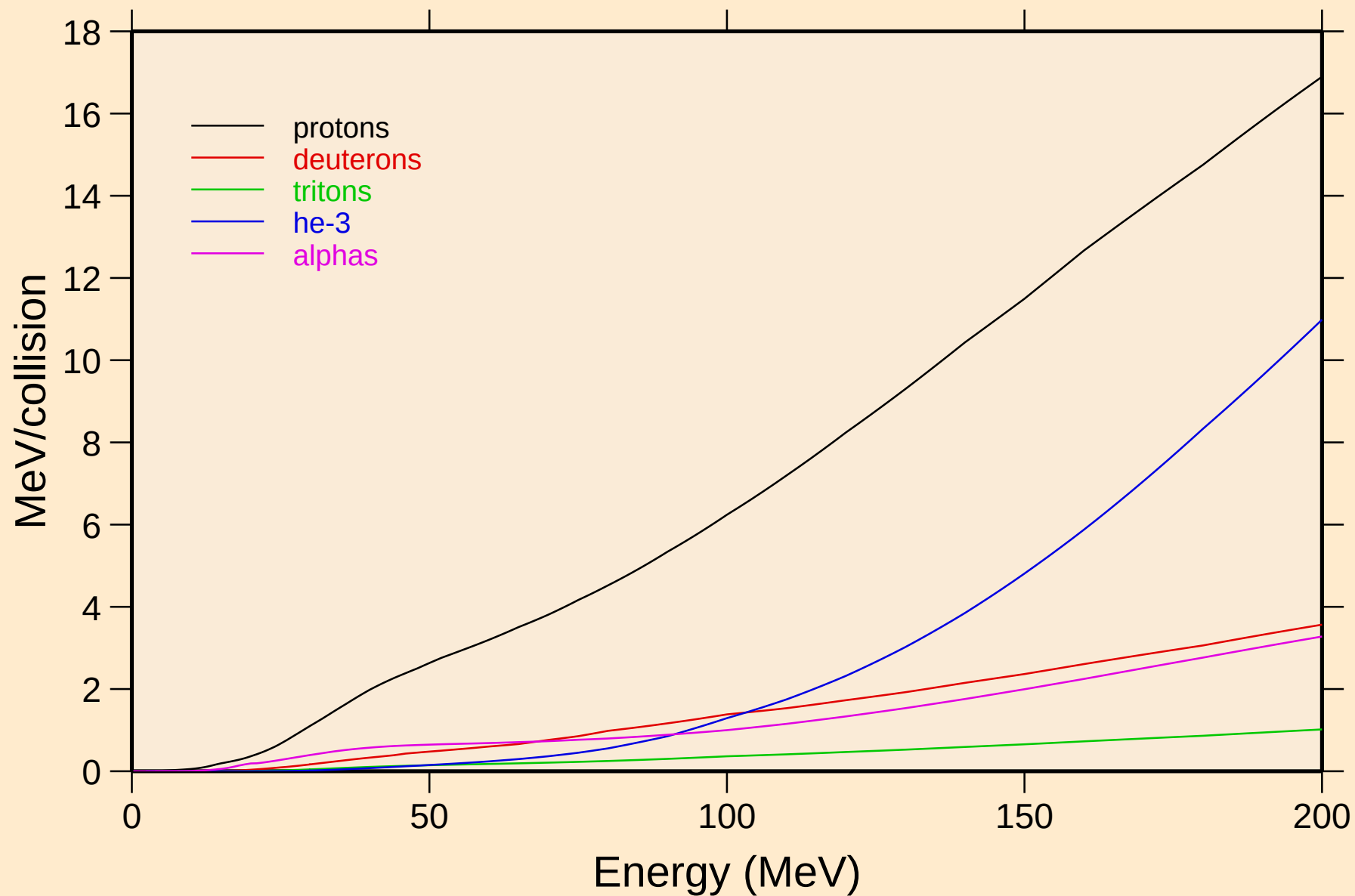


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



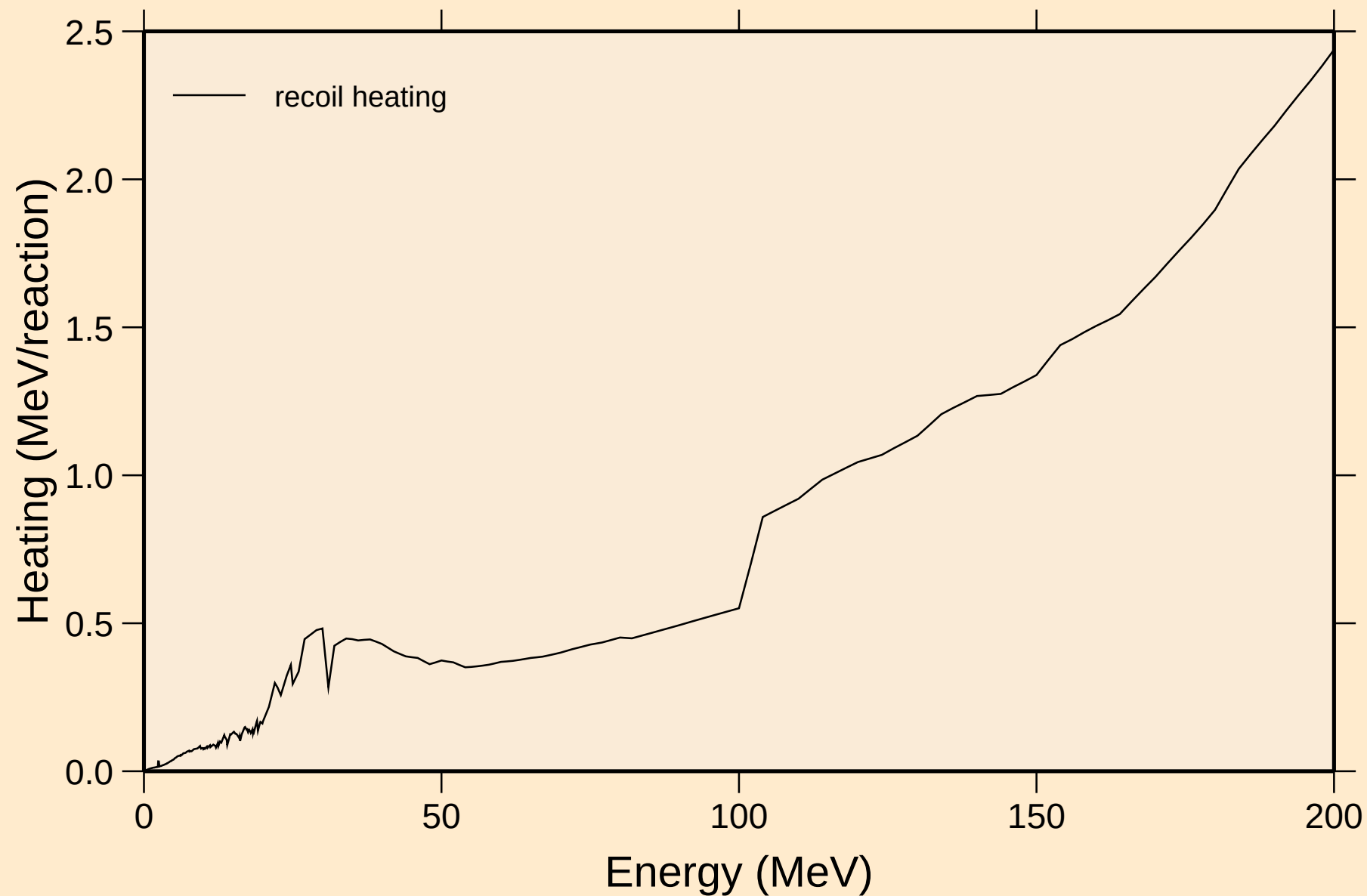
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



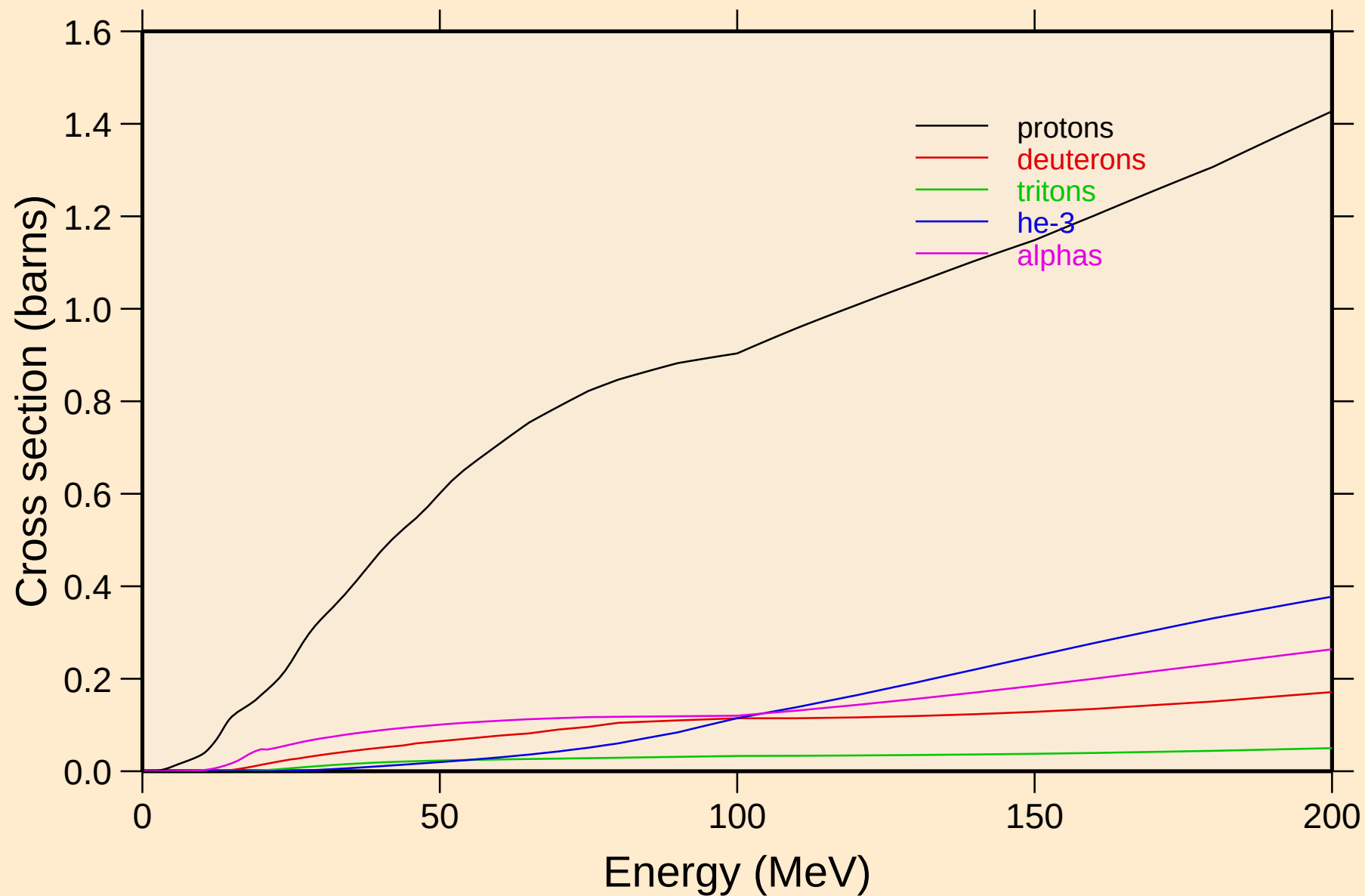
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

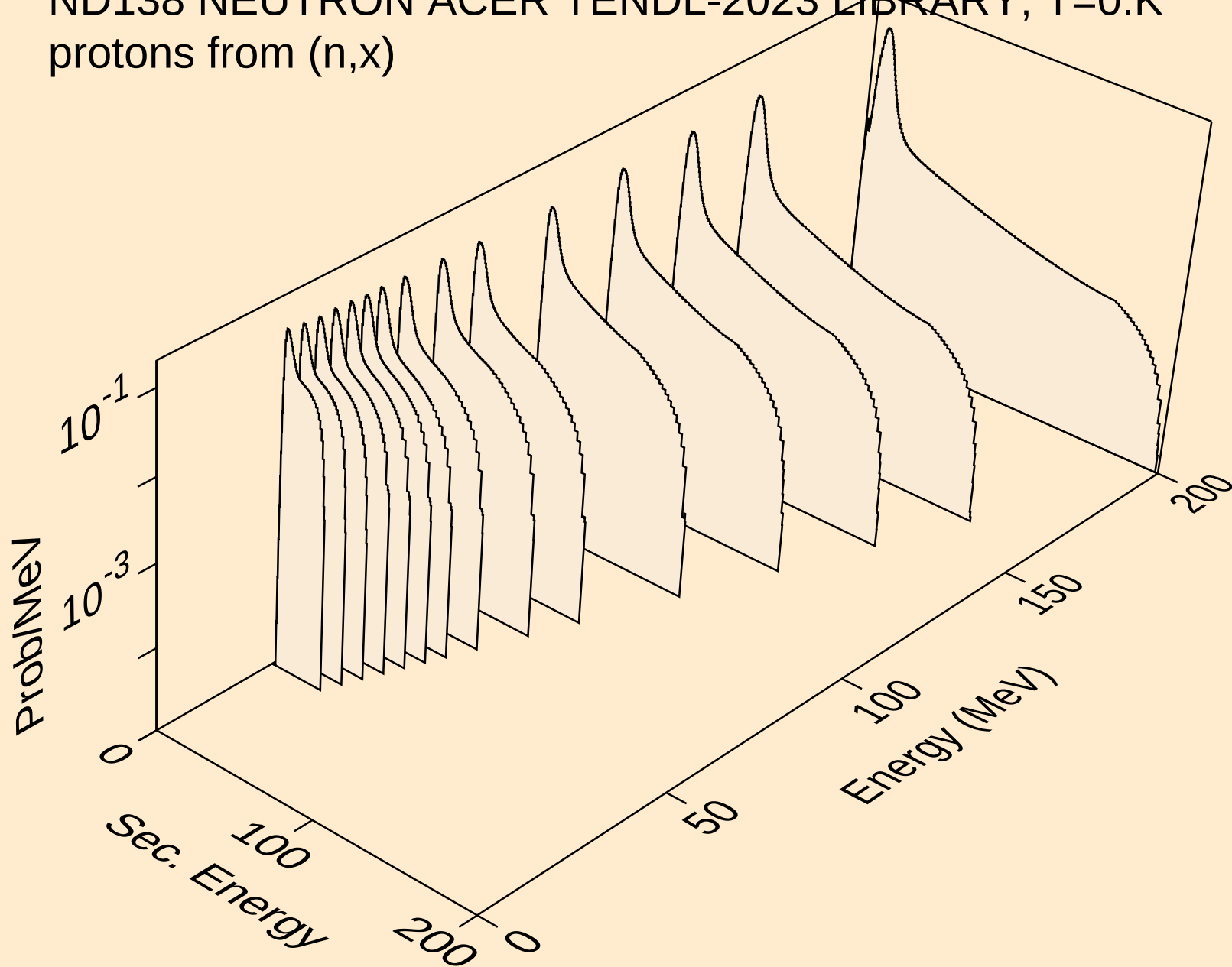


ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

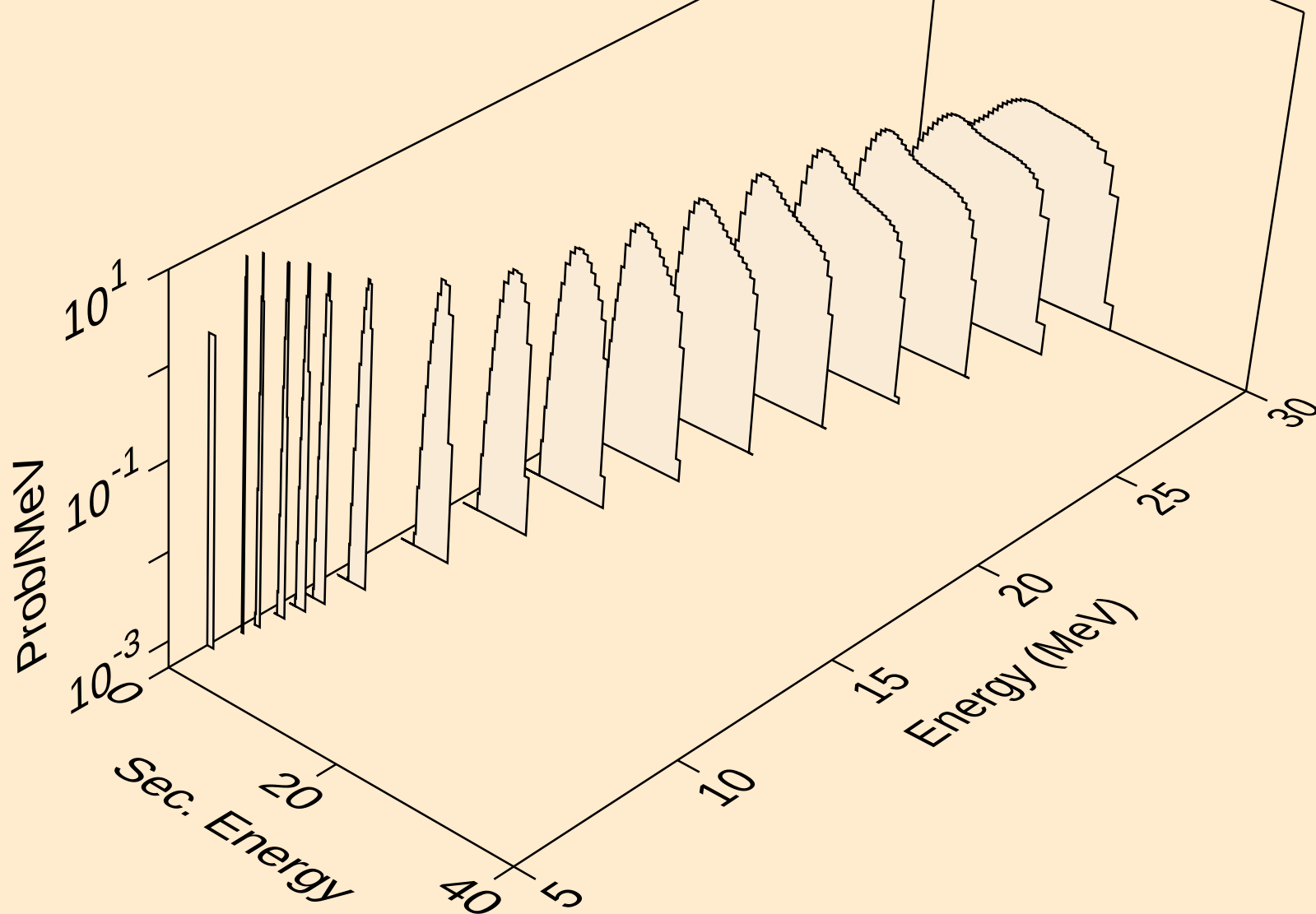
Particle production cross sections



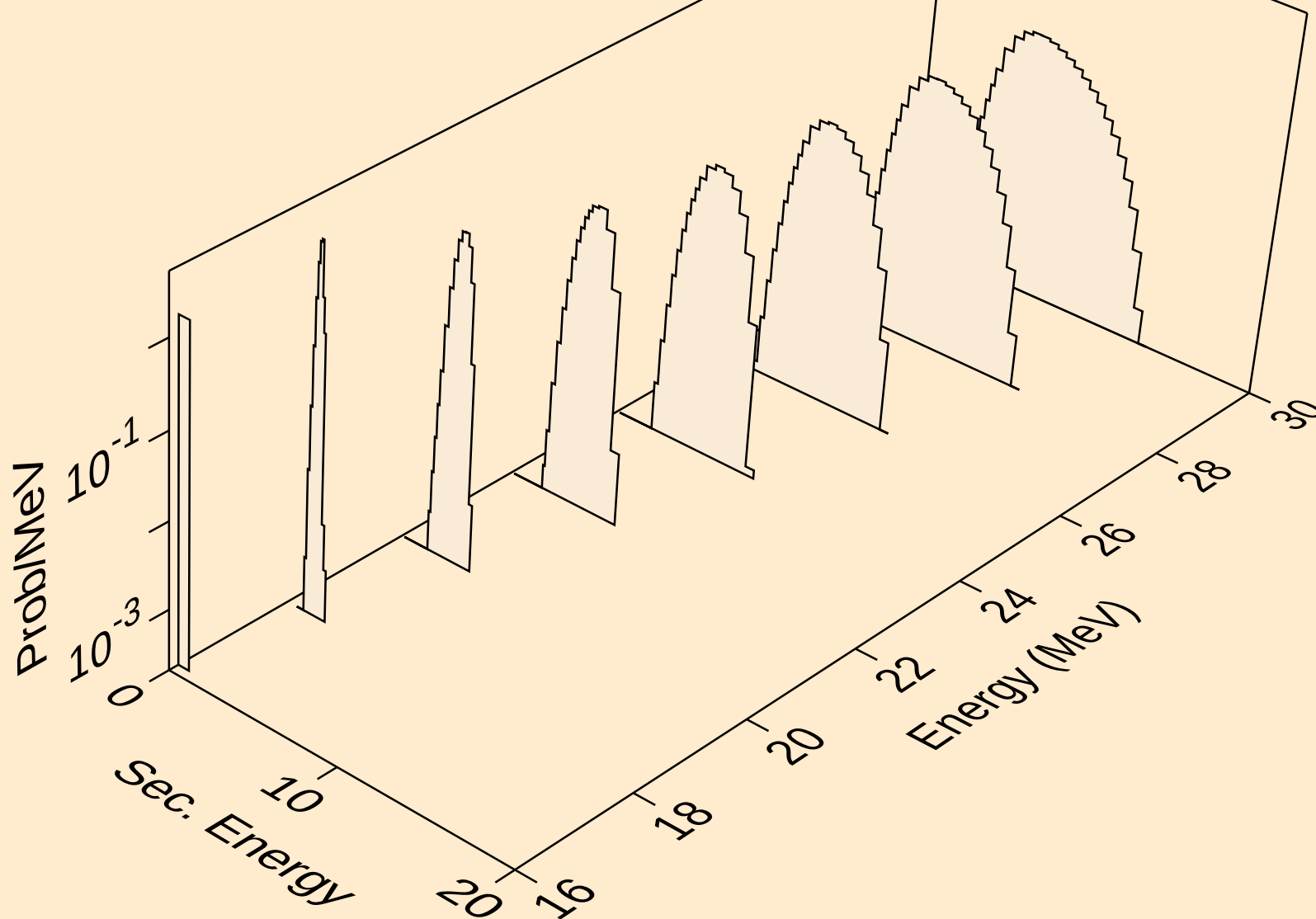
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



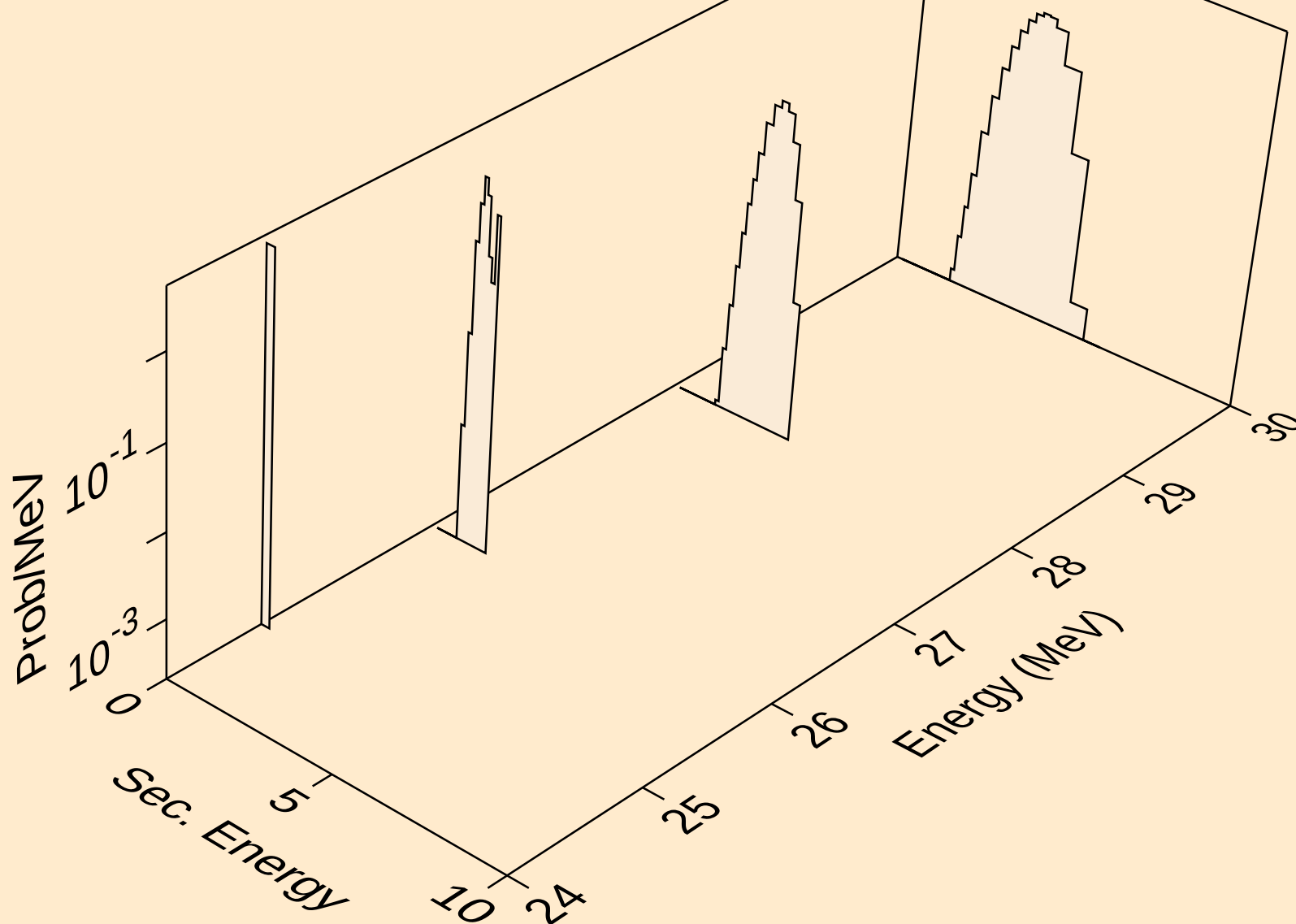
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



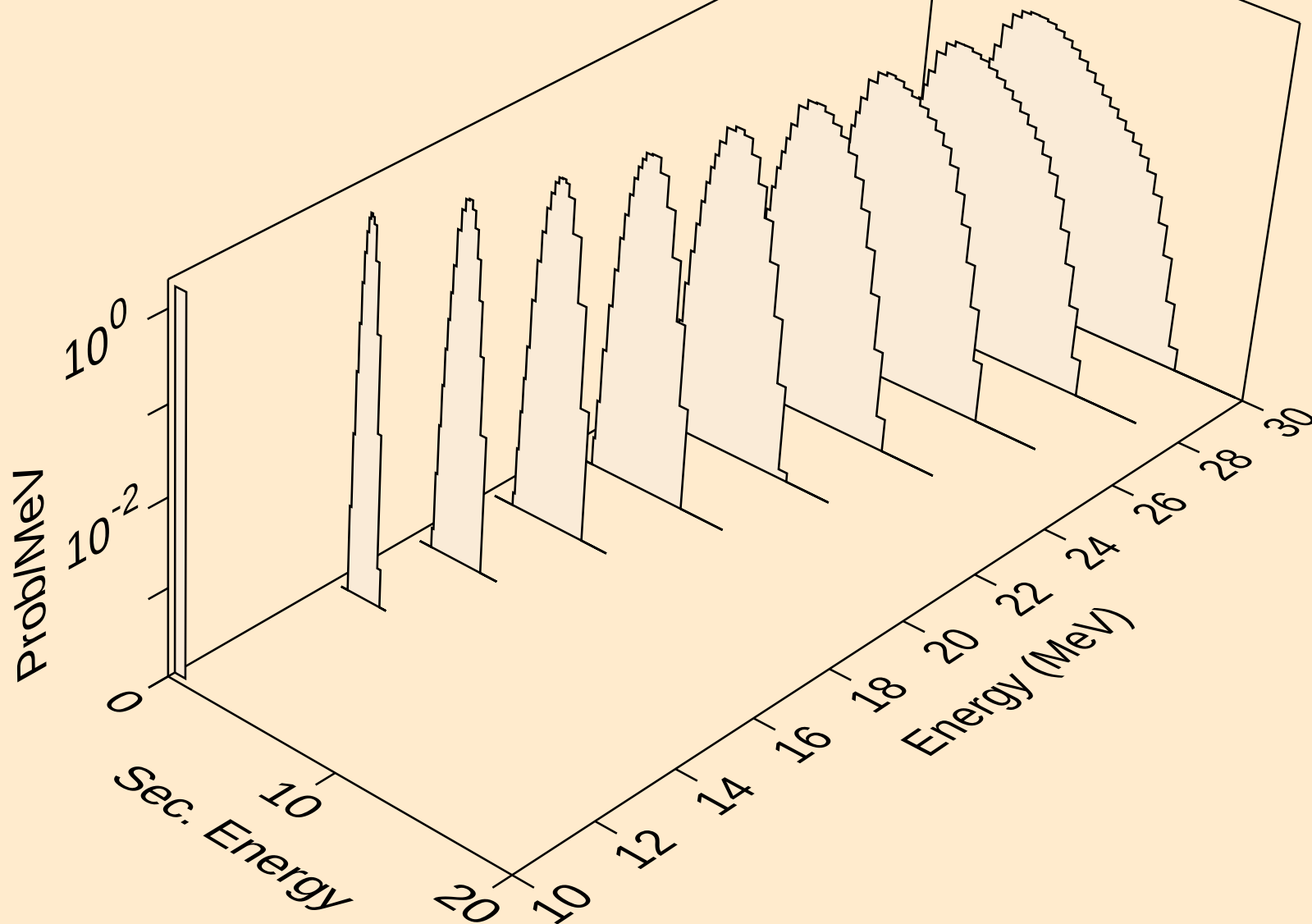
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



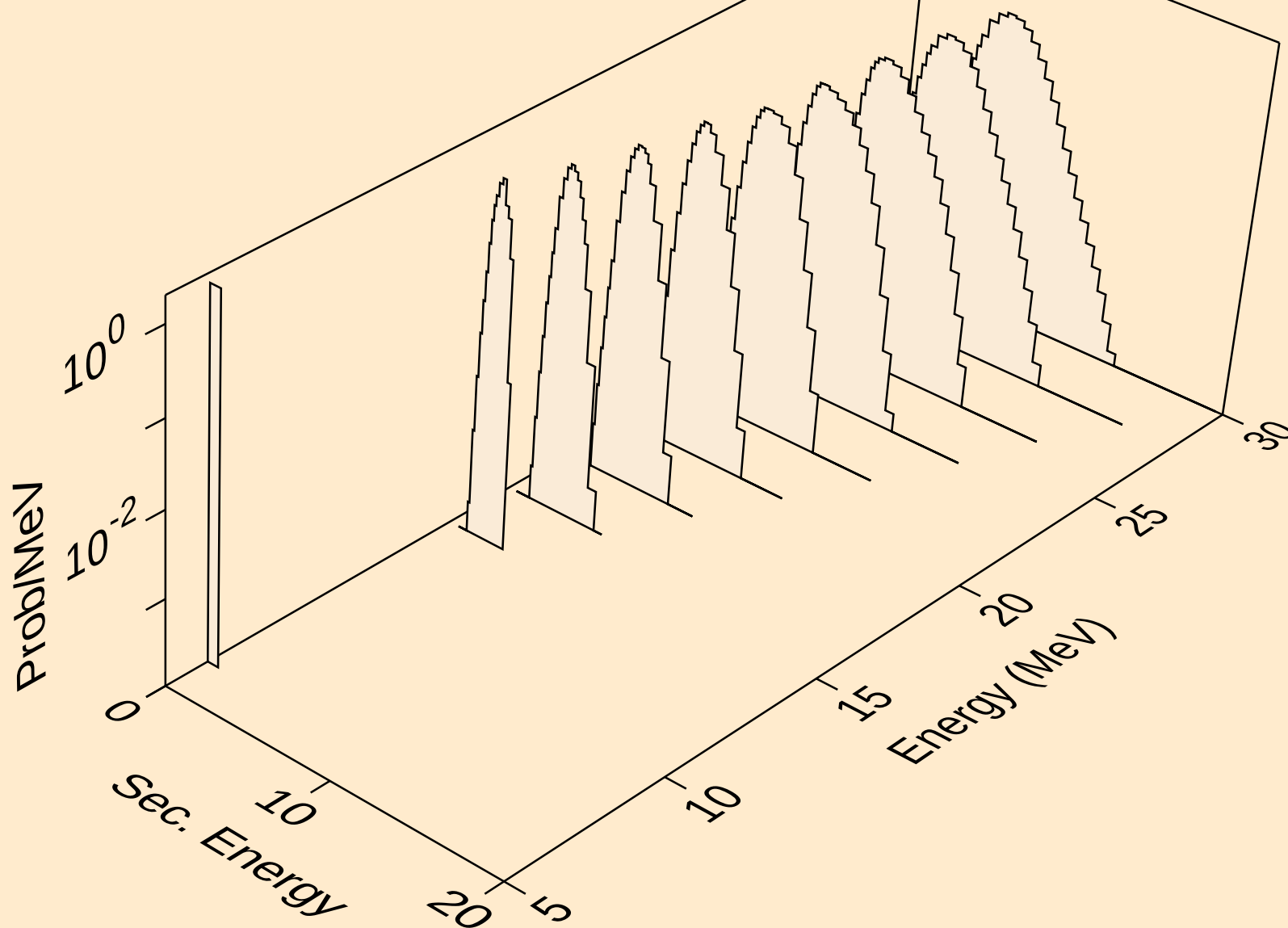
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



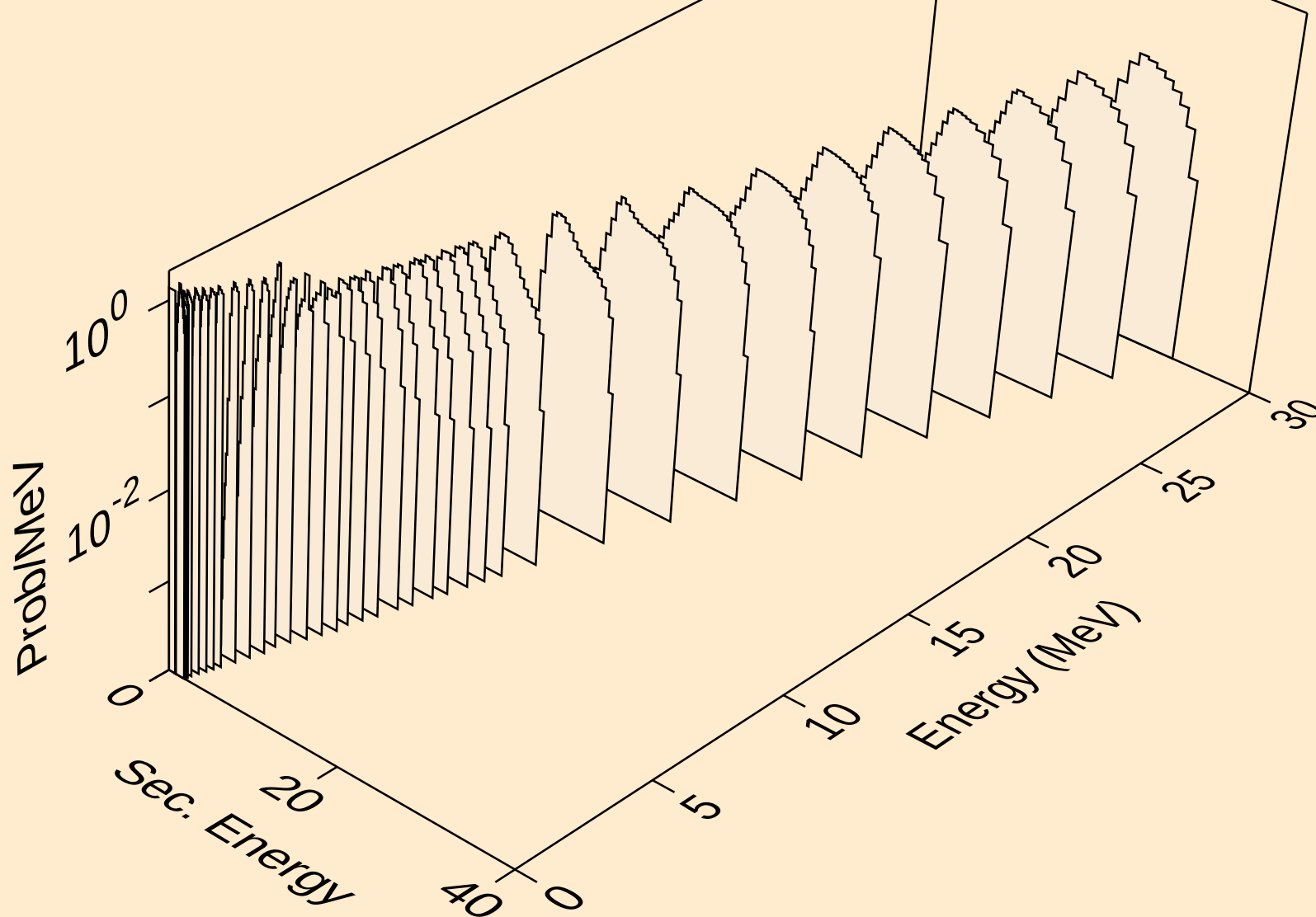
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n2p)



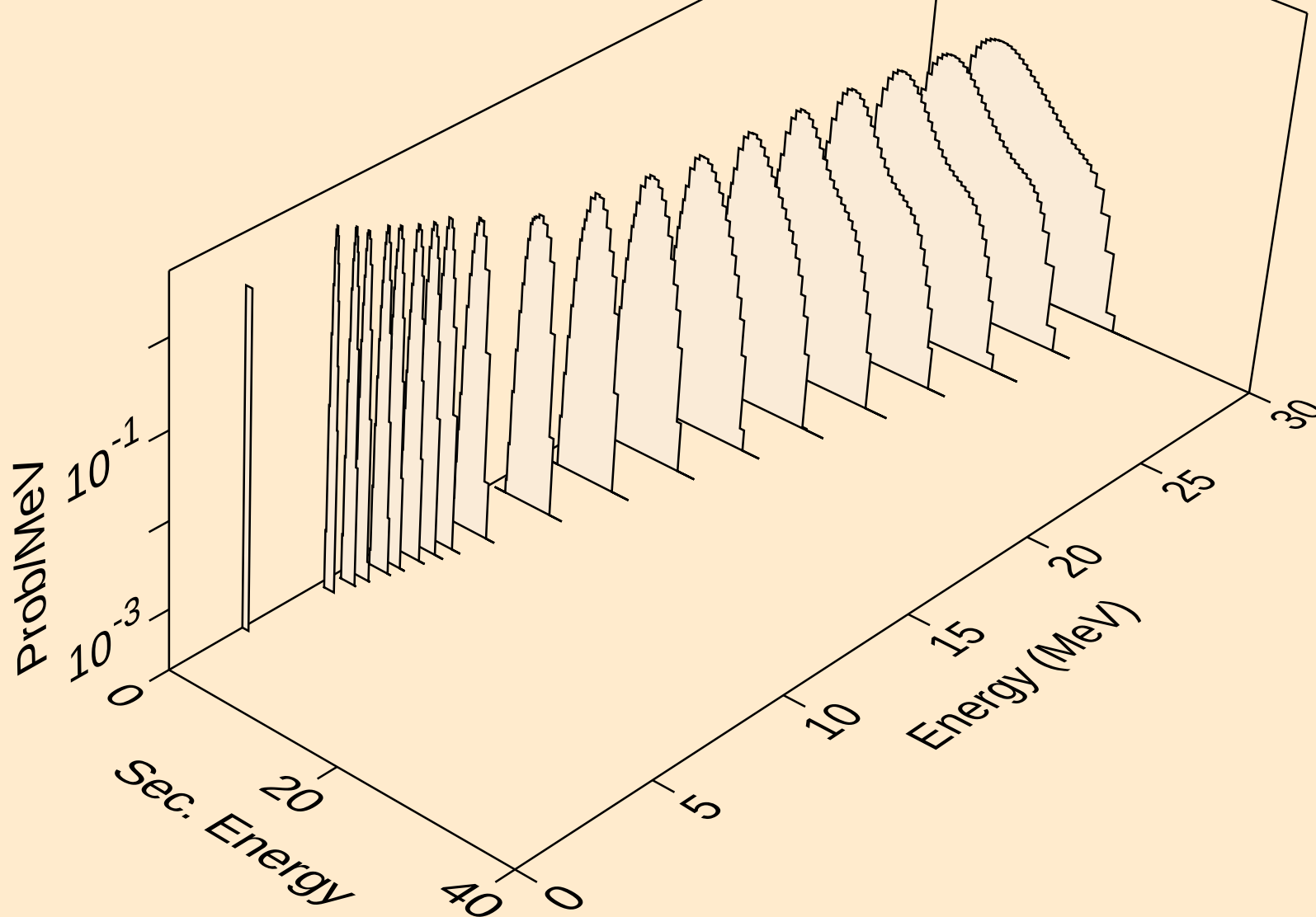
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



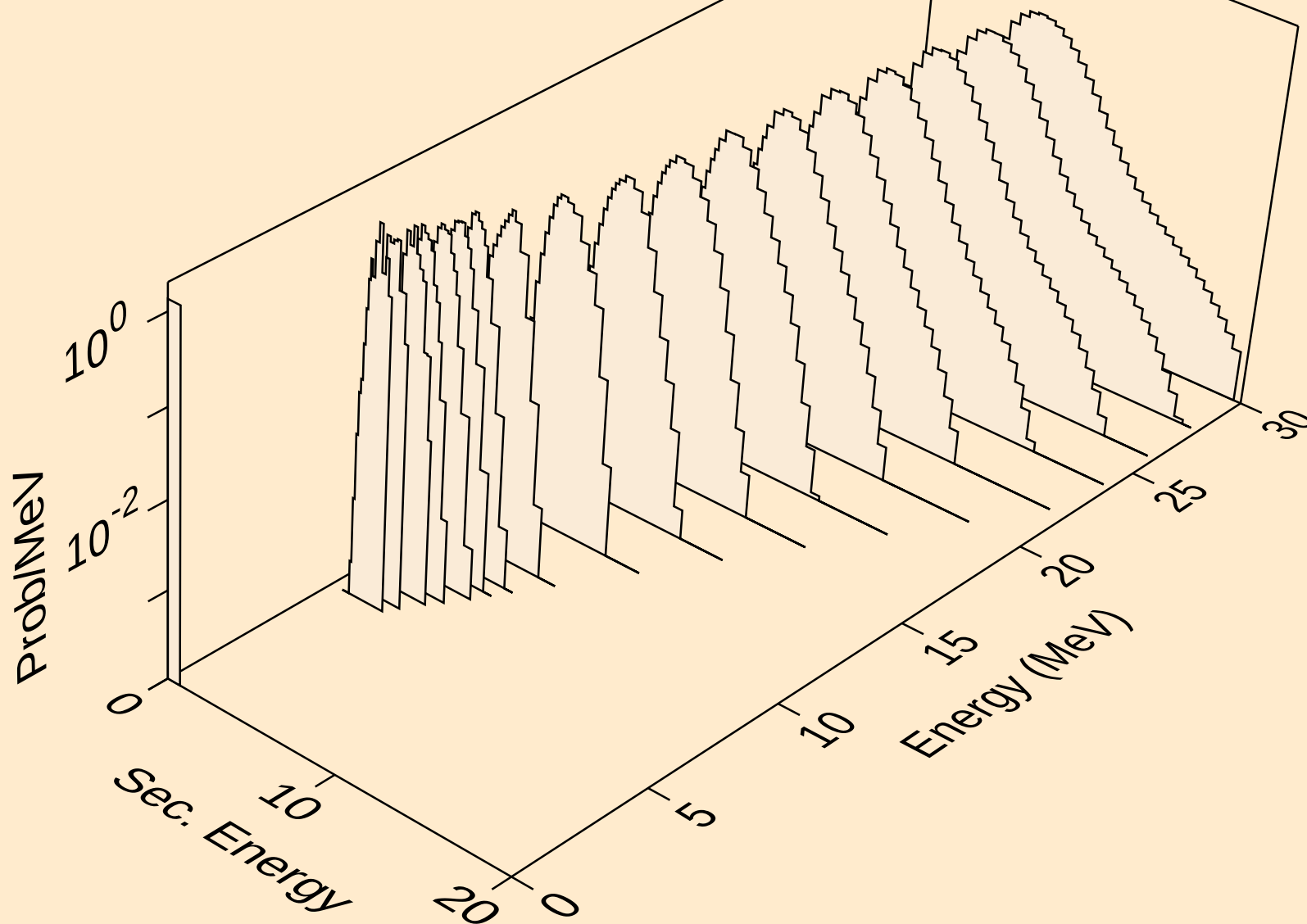
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



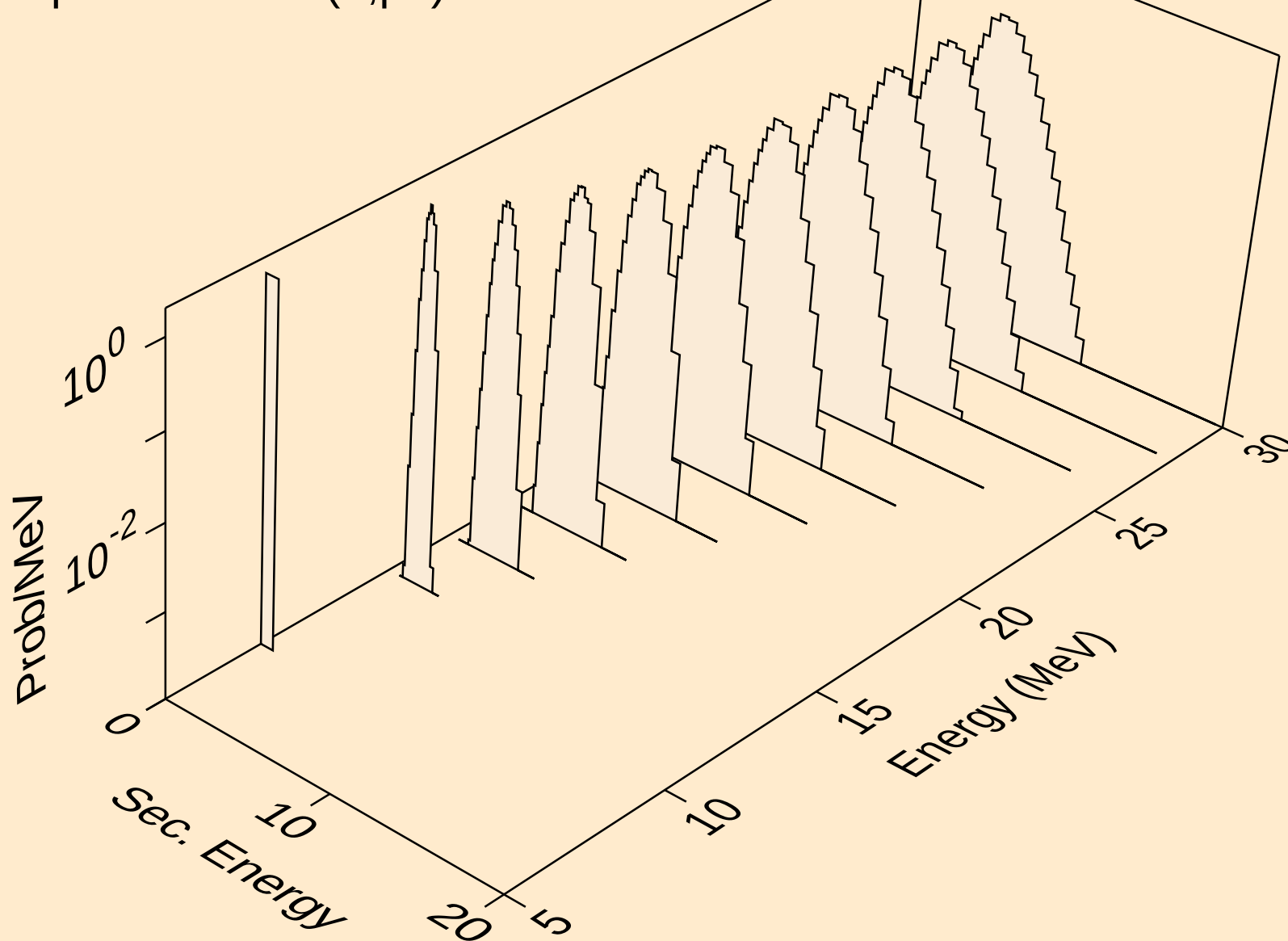
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2p)



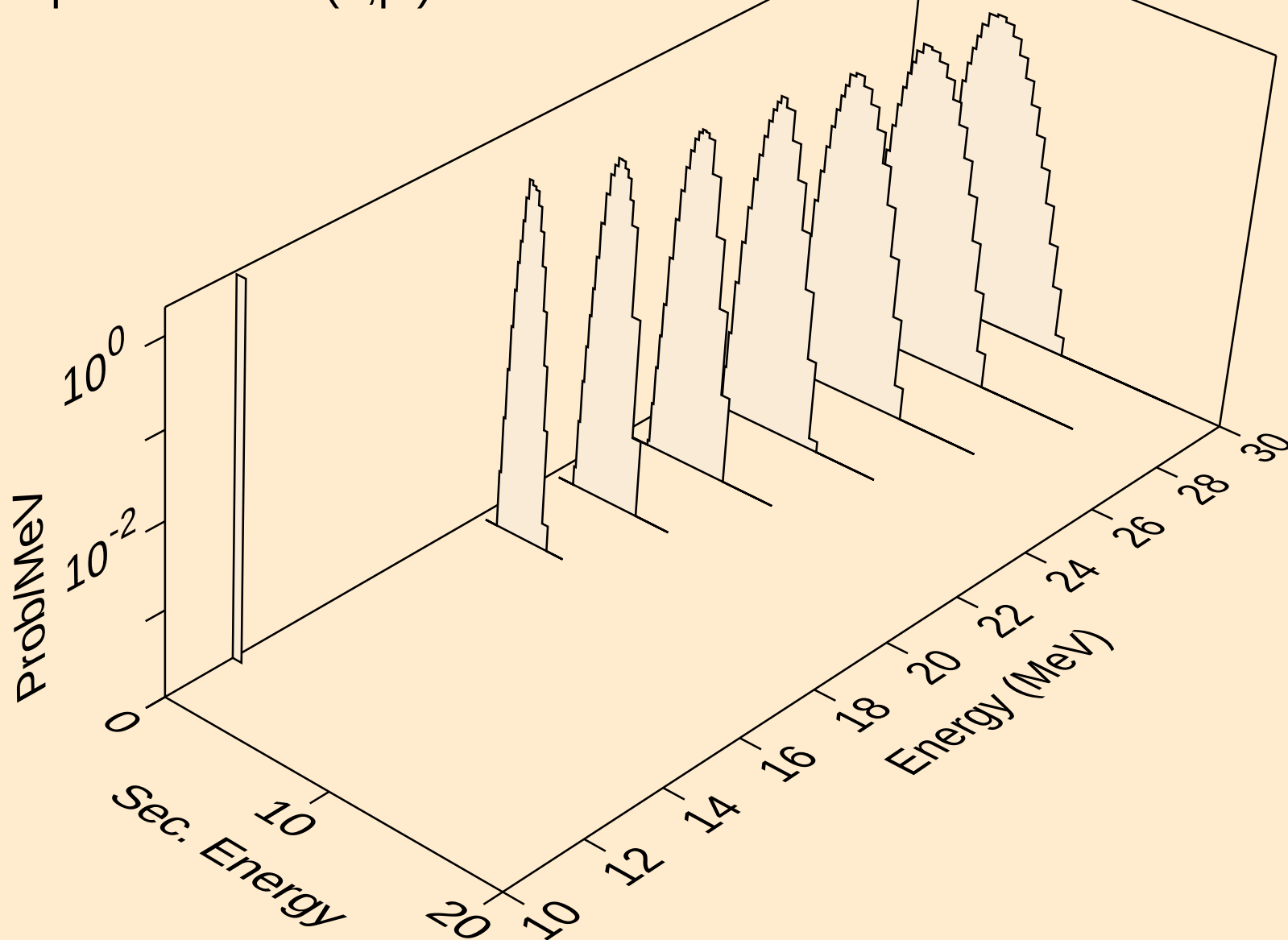
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



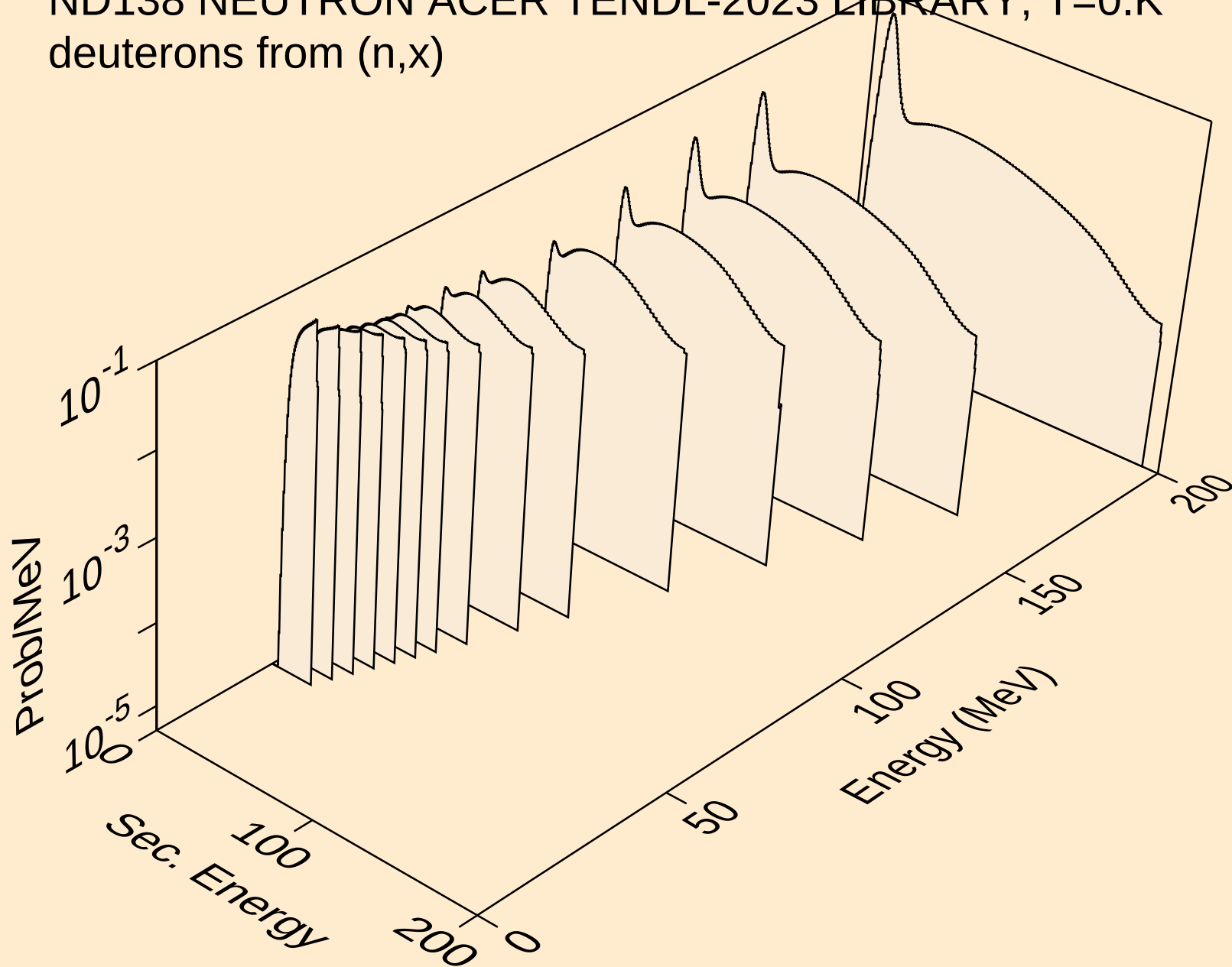
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



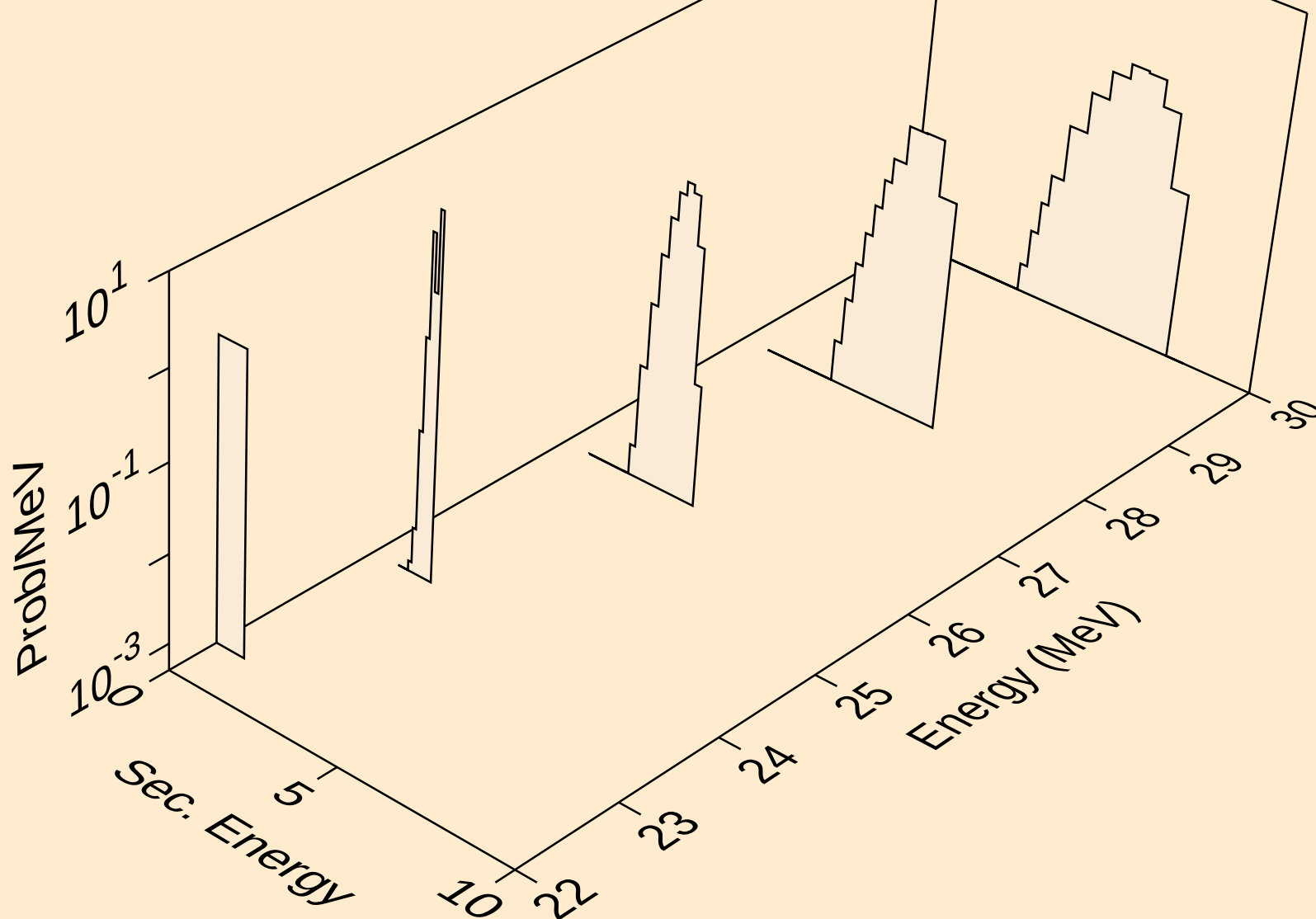
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



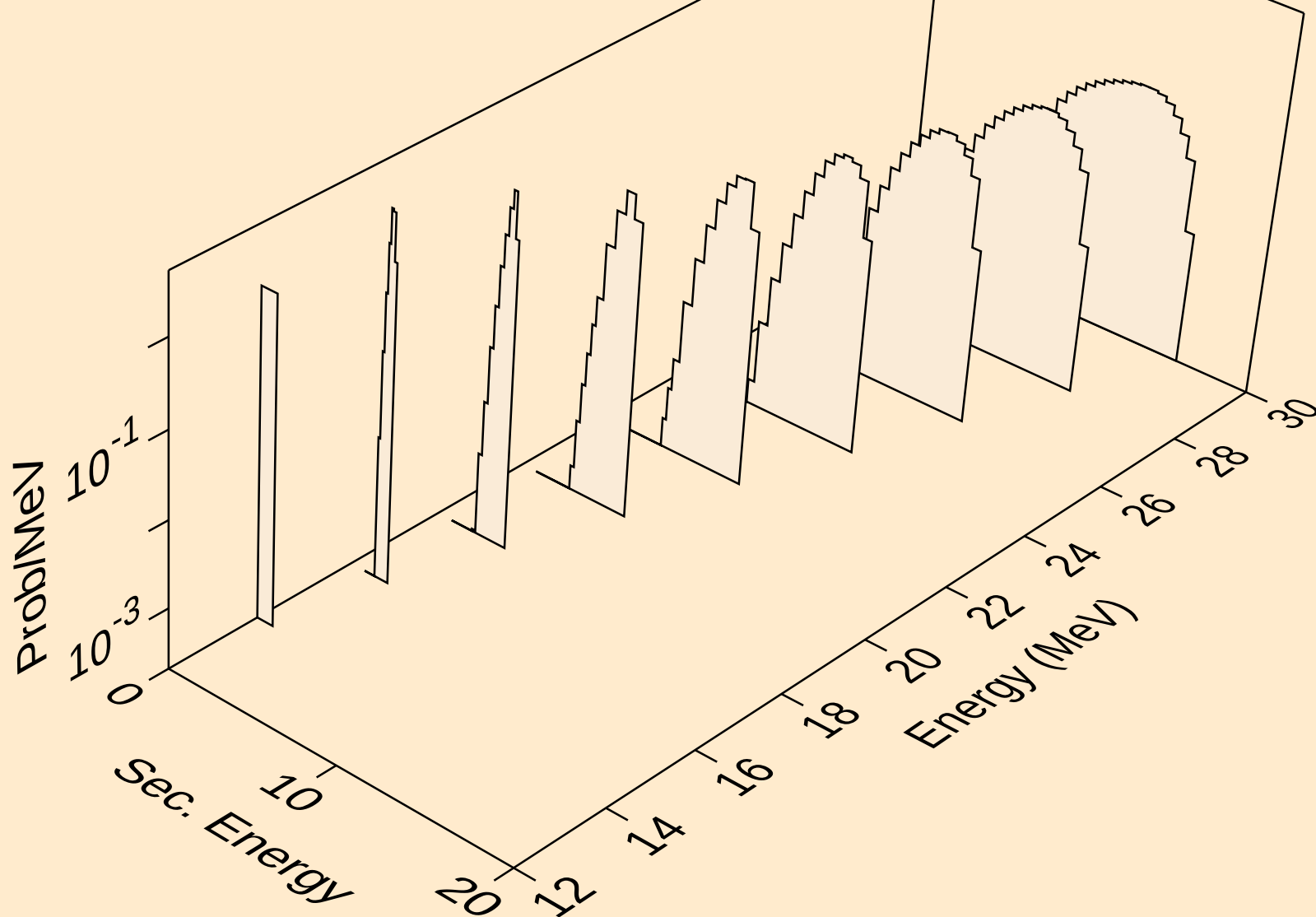
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



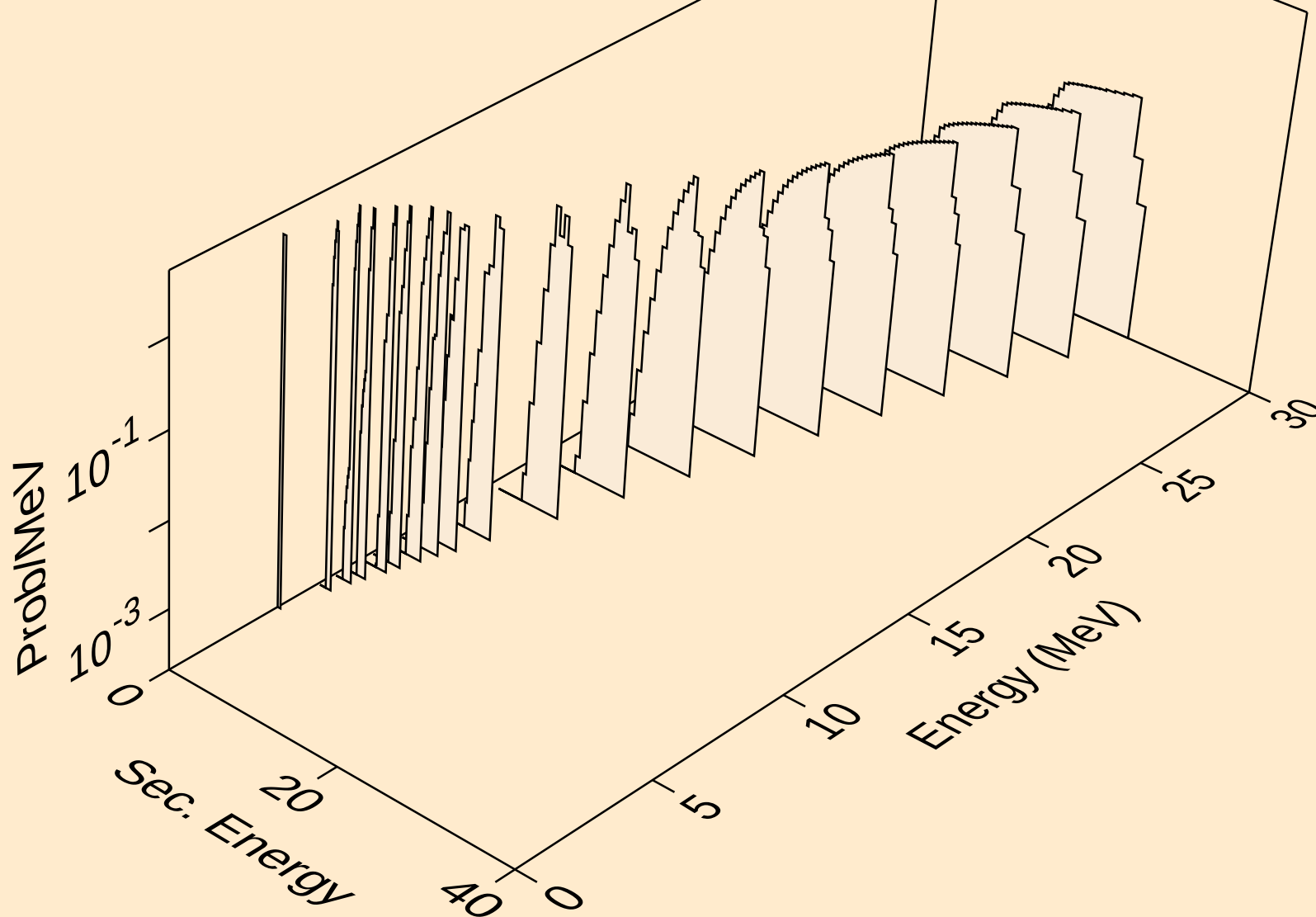
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,2nd)



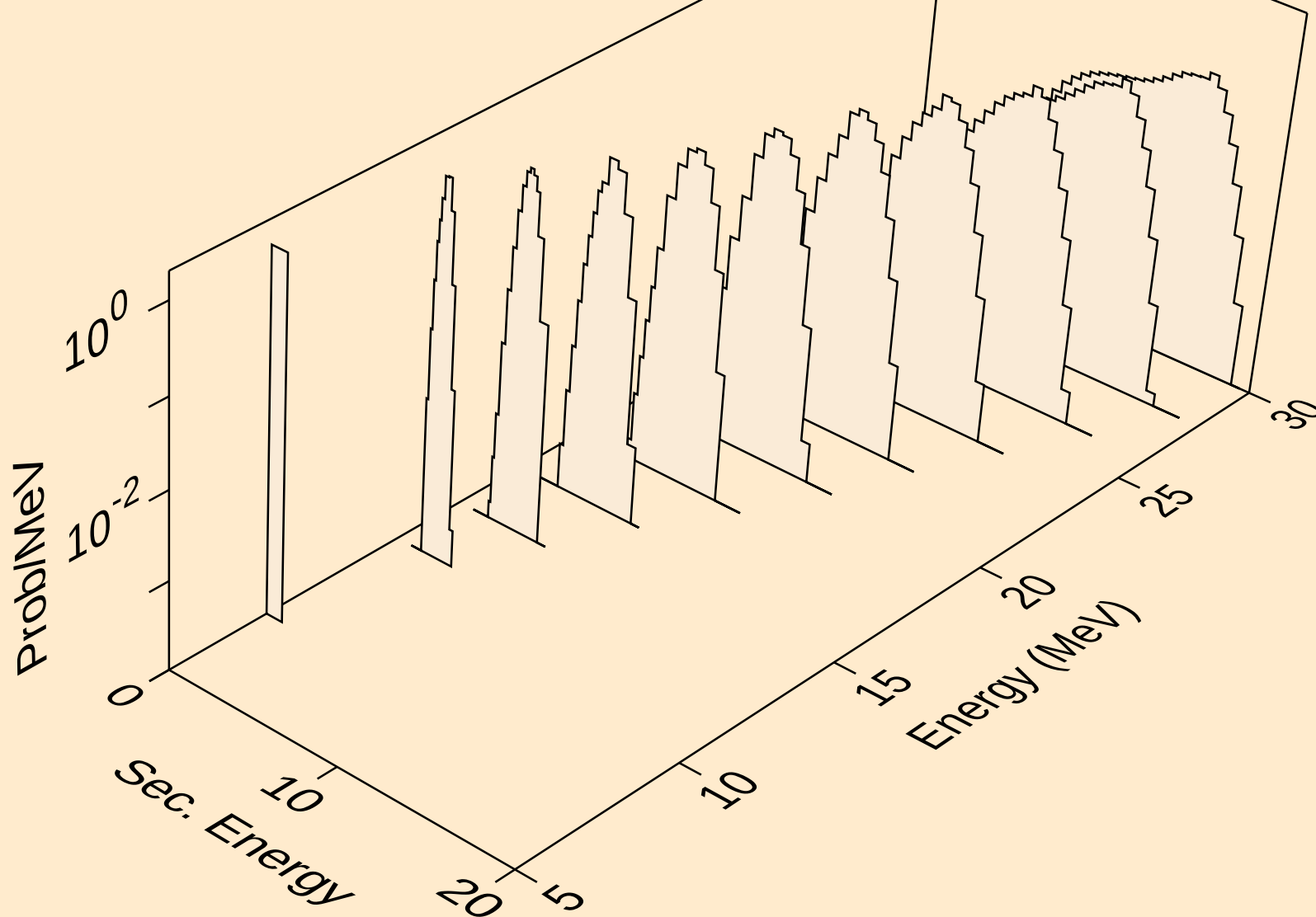
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



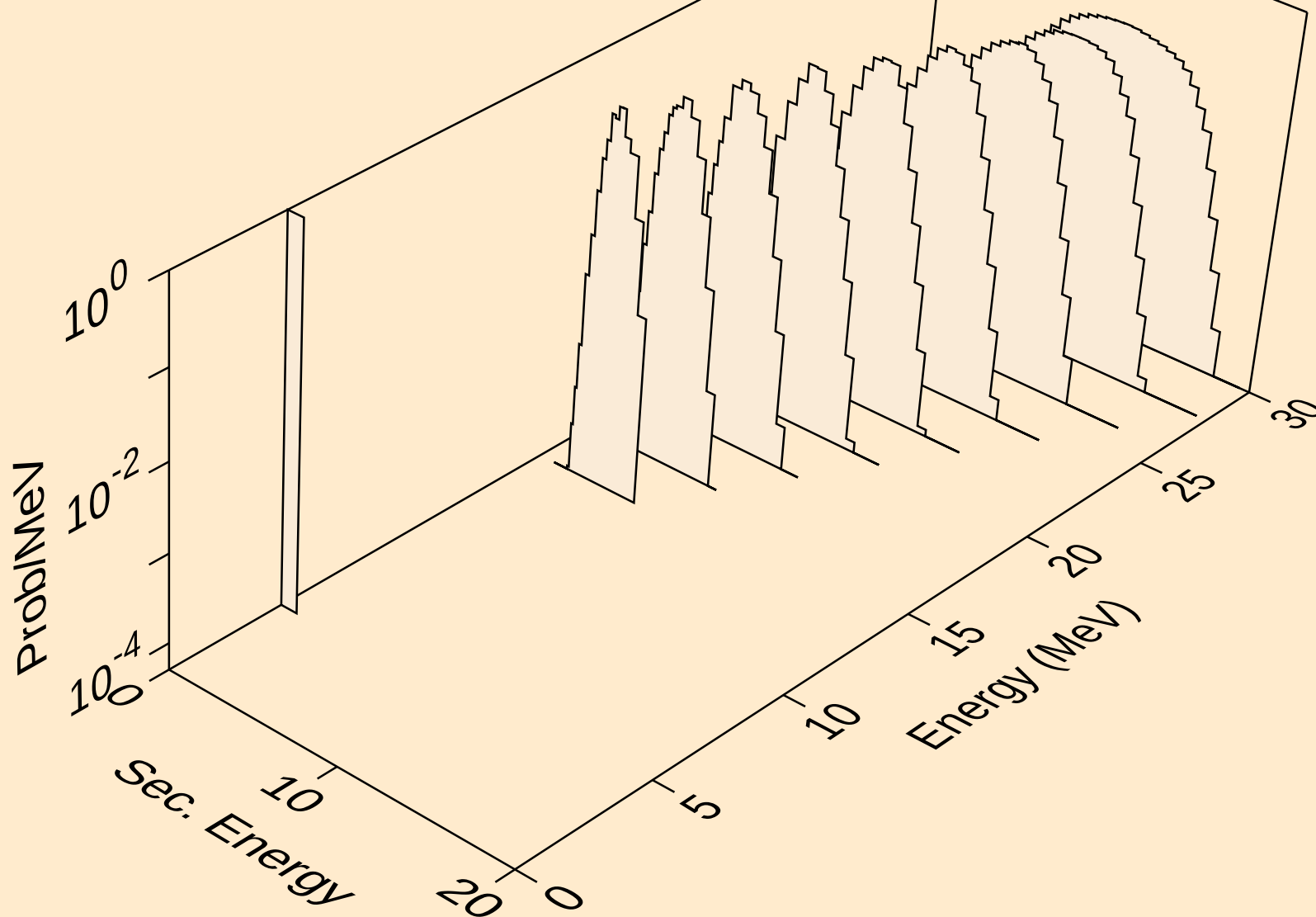
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



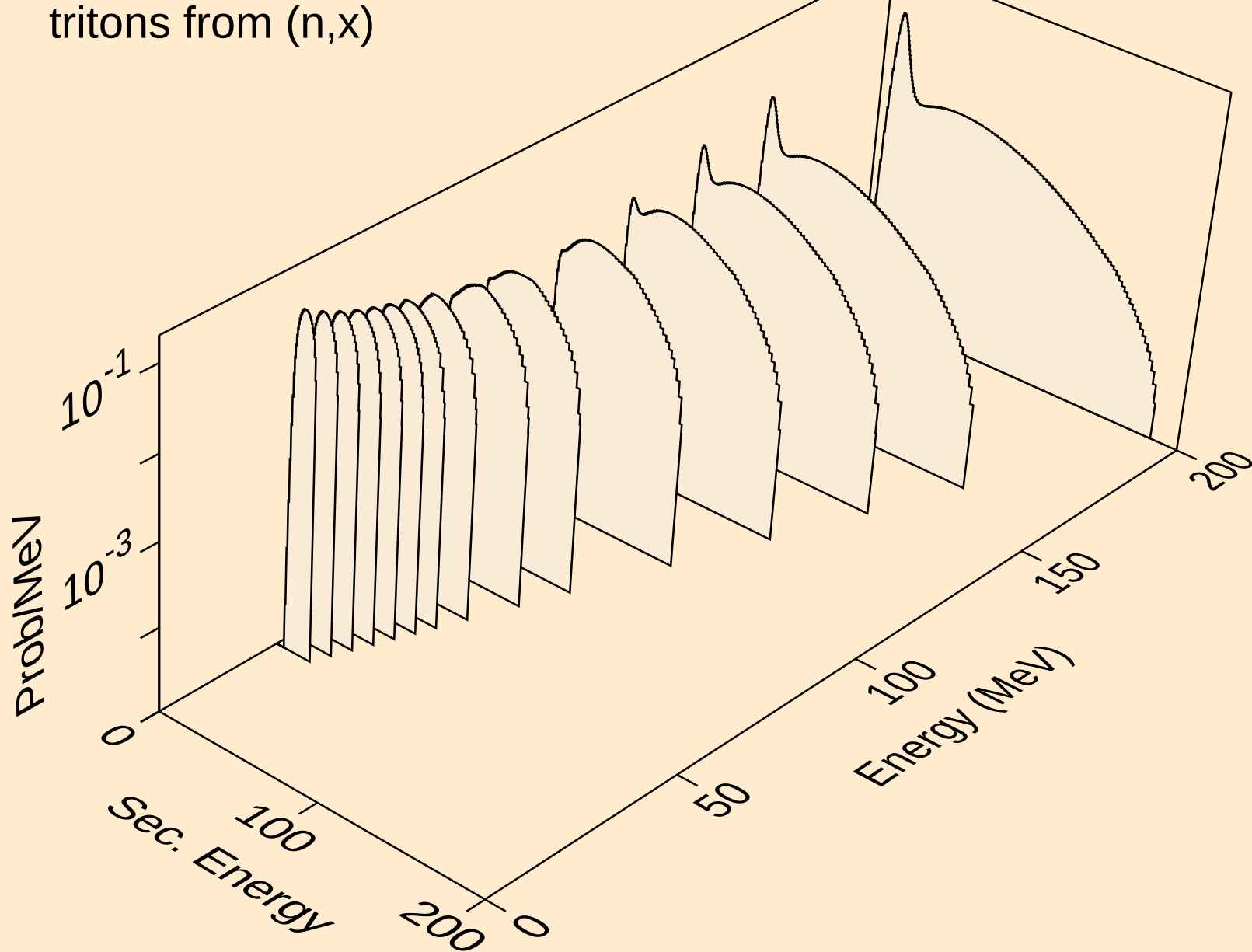
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



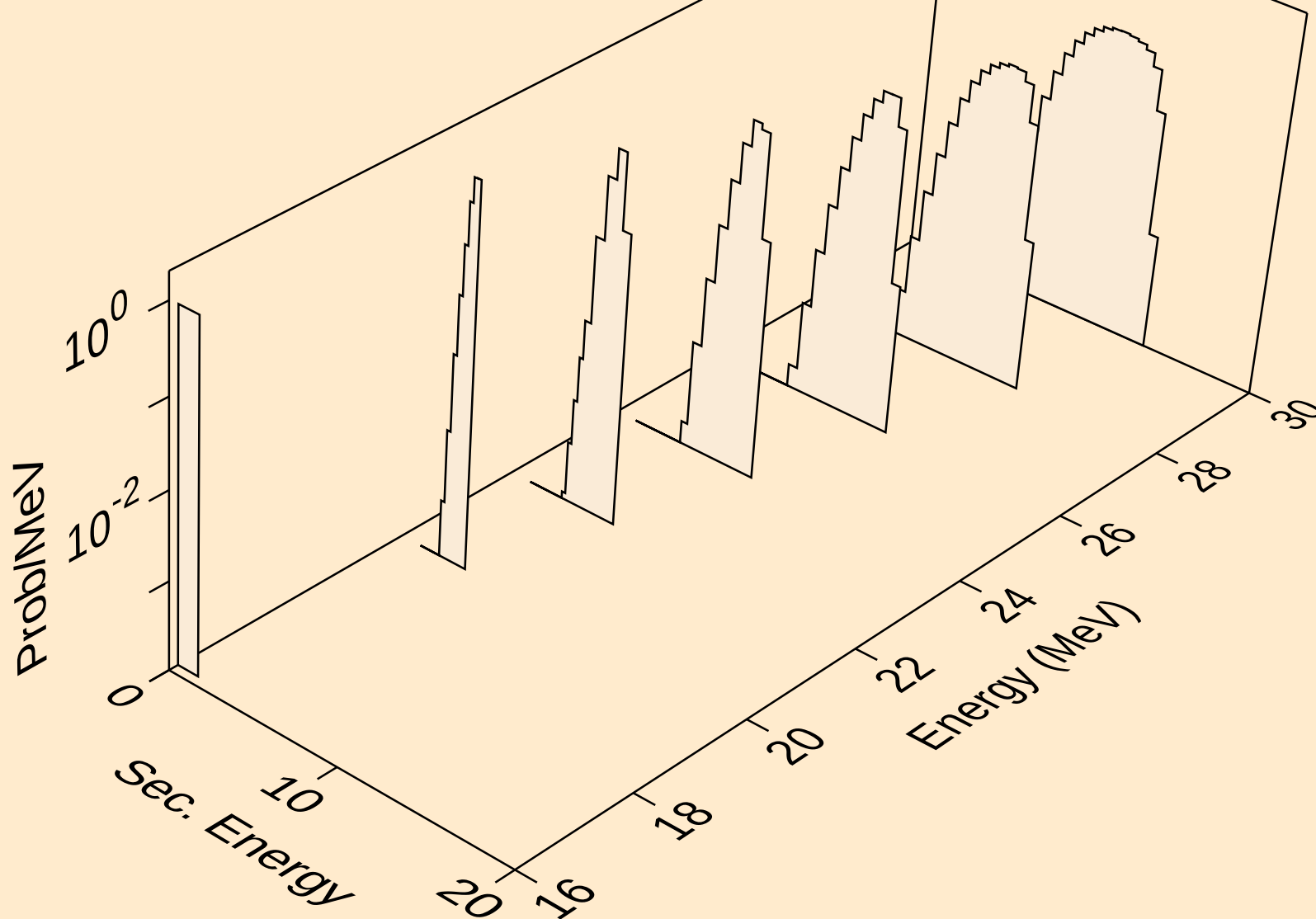
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



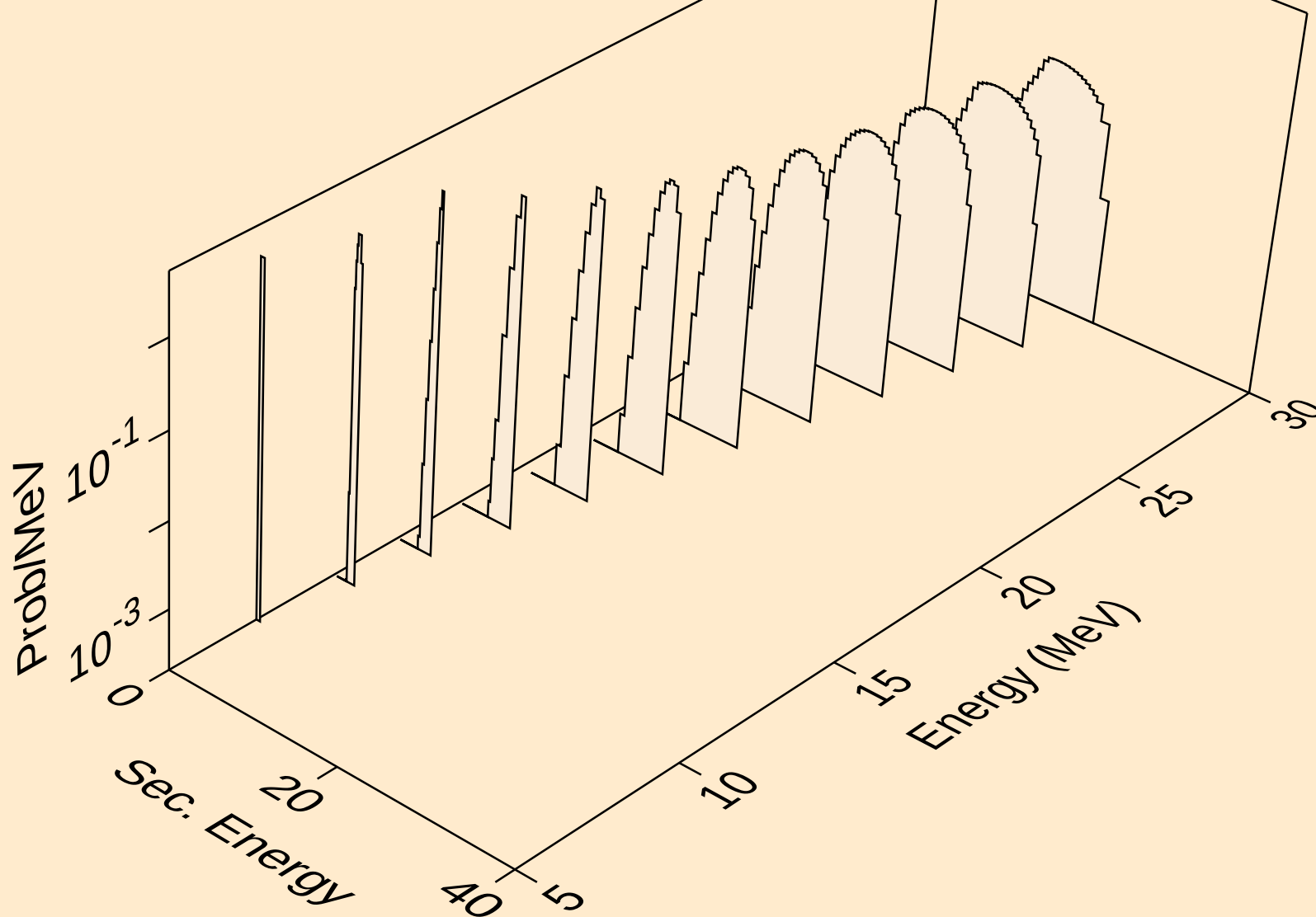
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



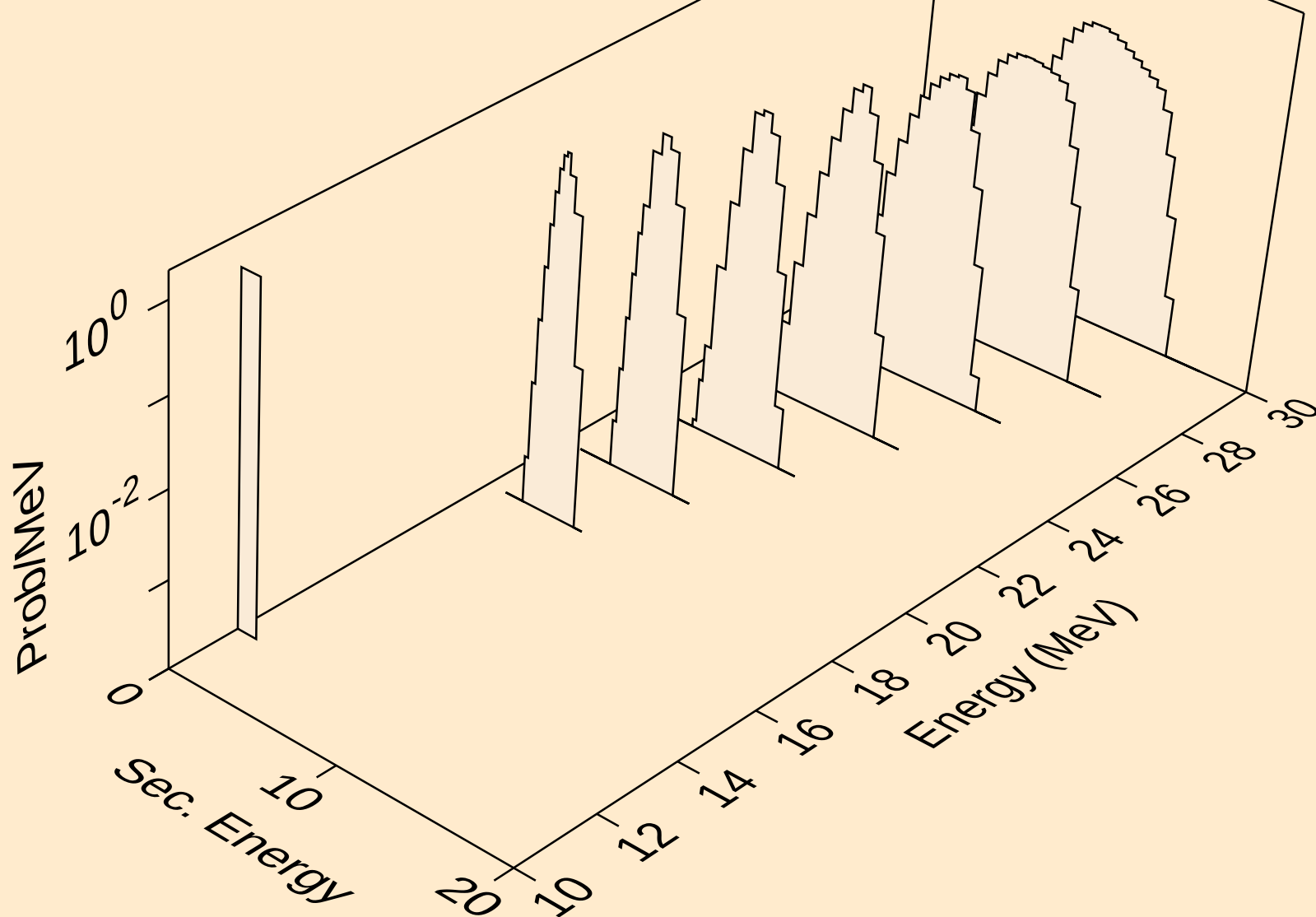
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



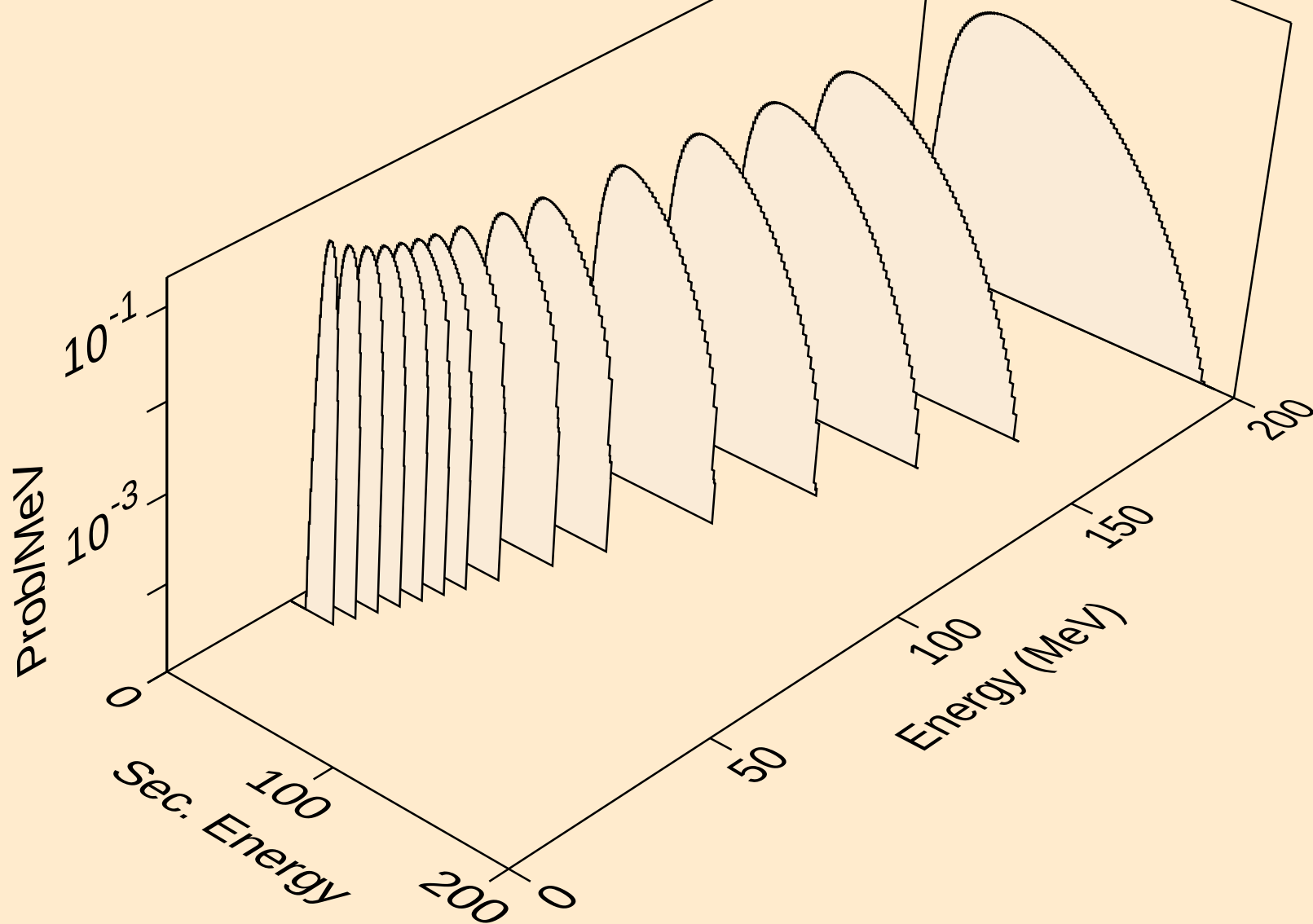
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



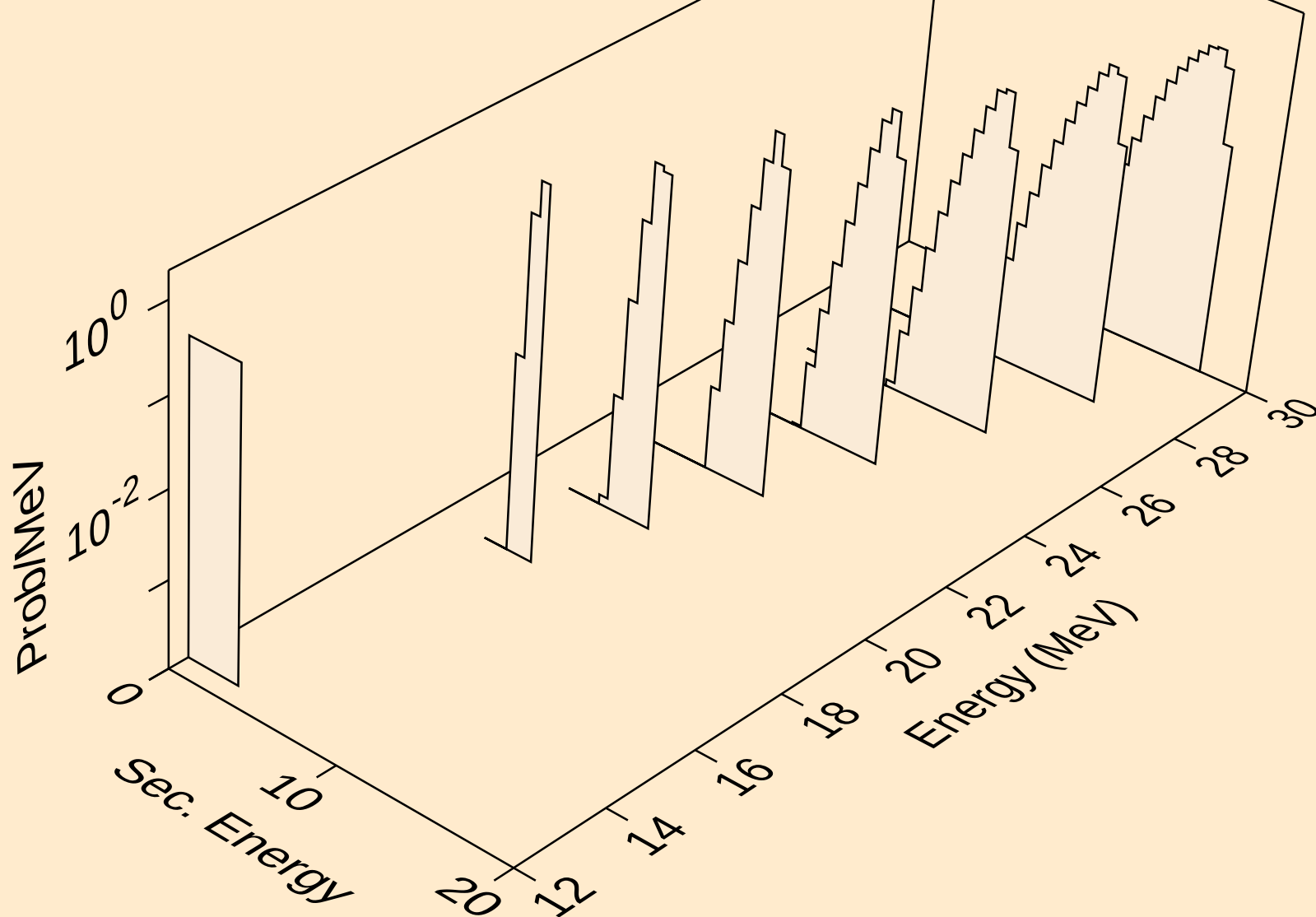
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



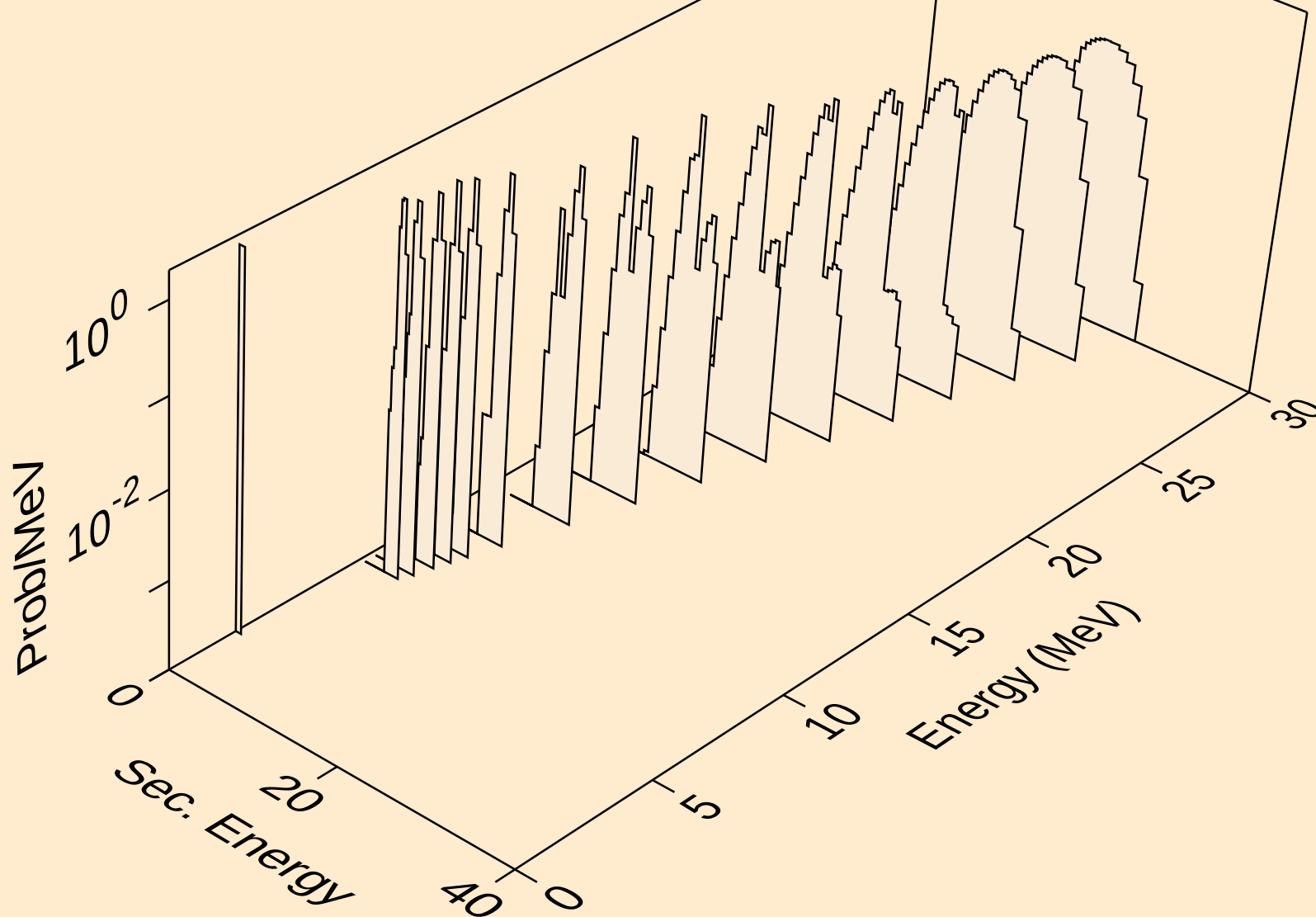
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



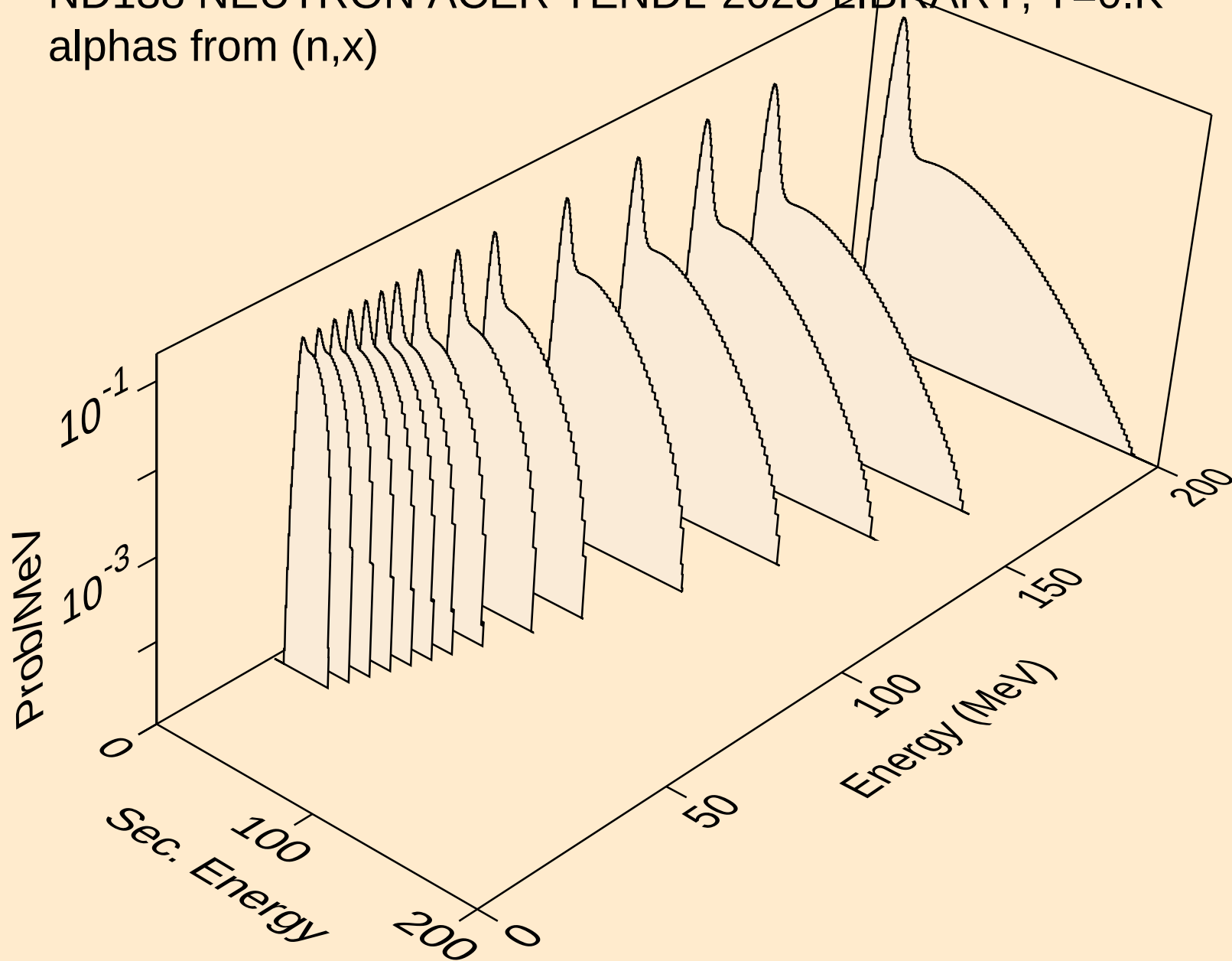
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



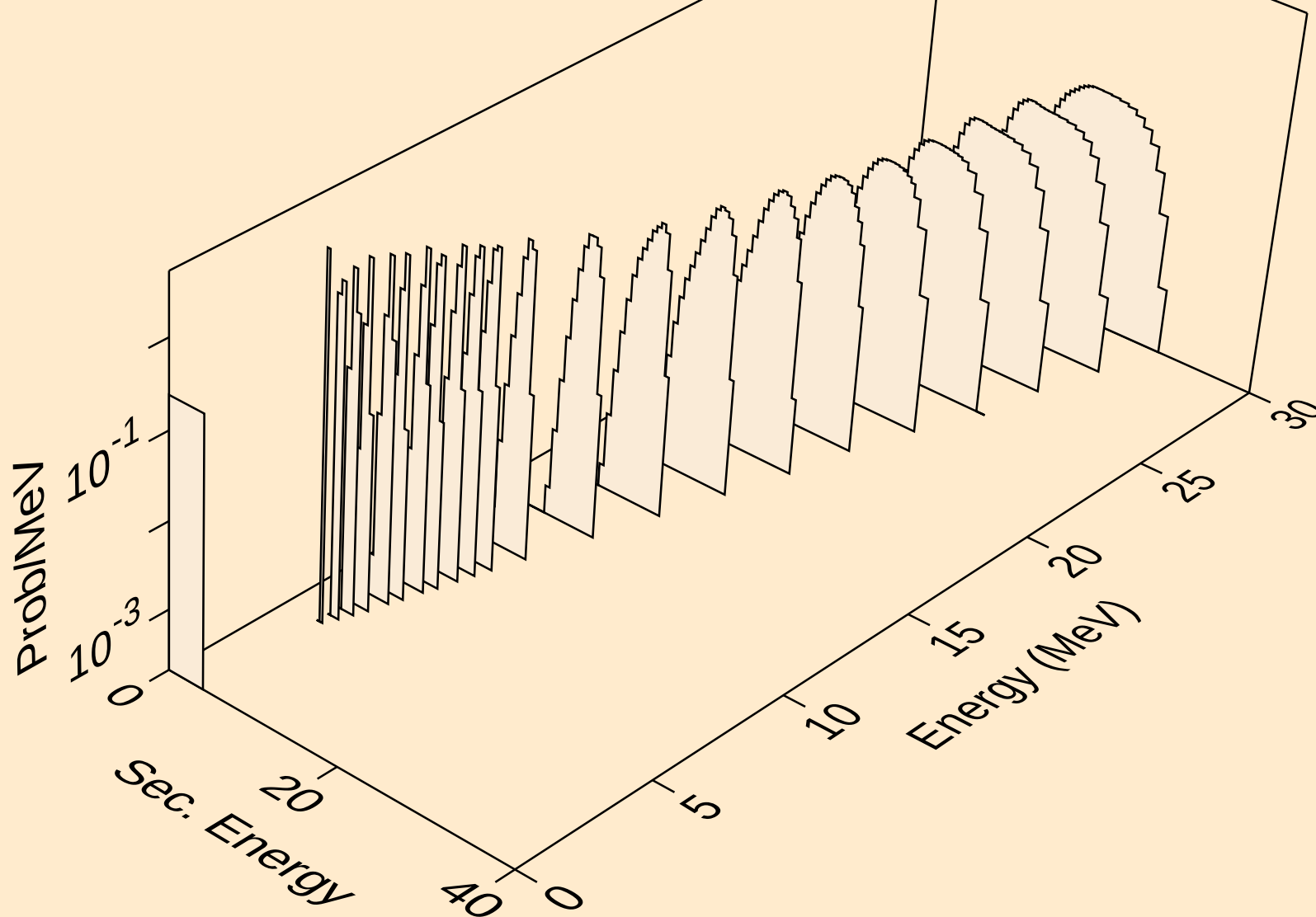
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



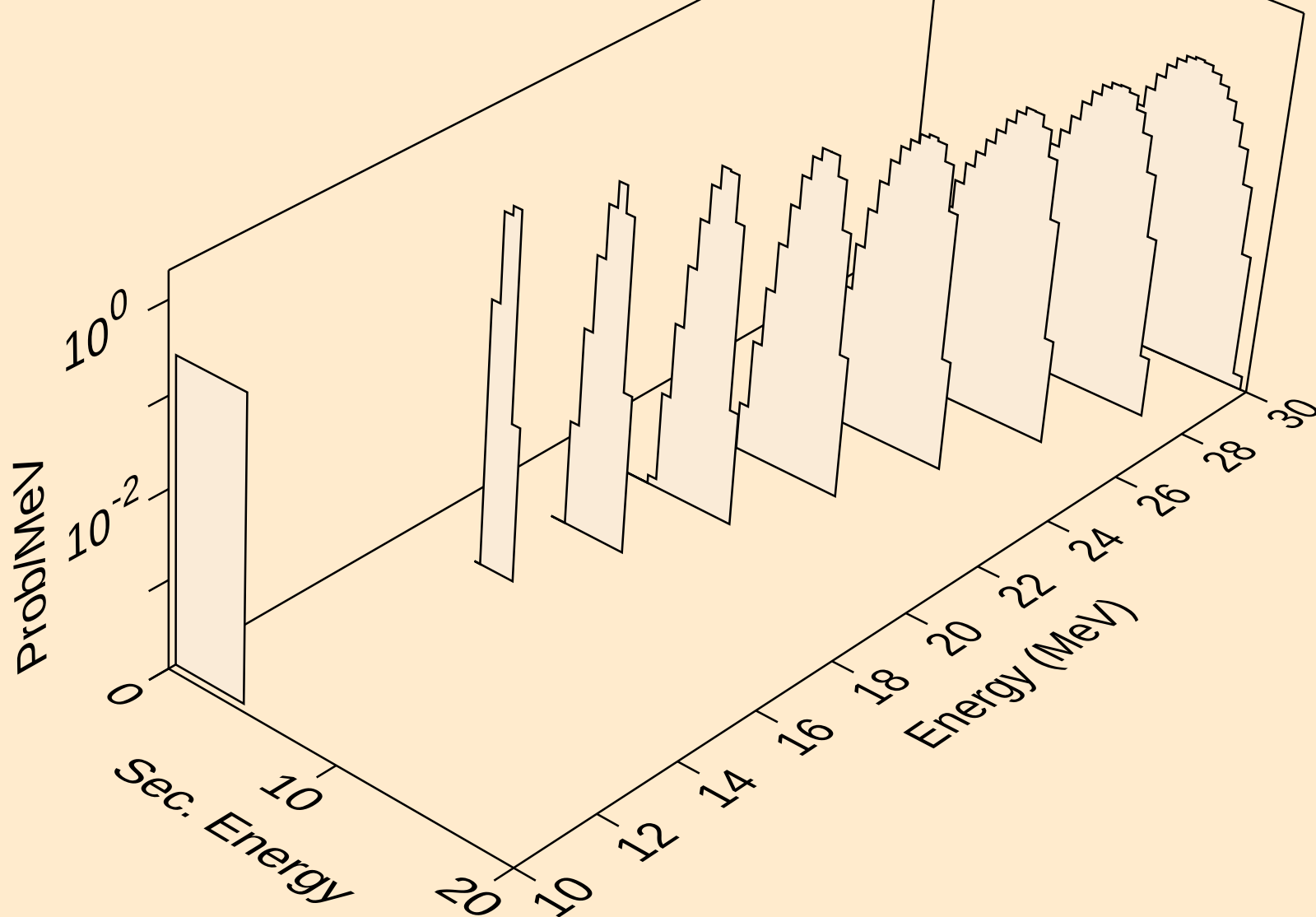
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



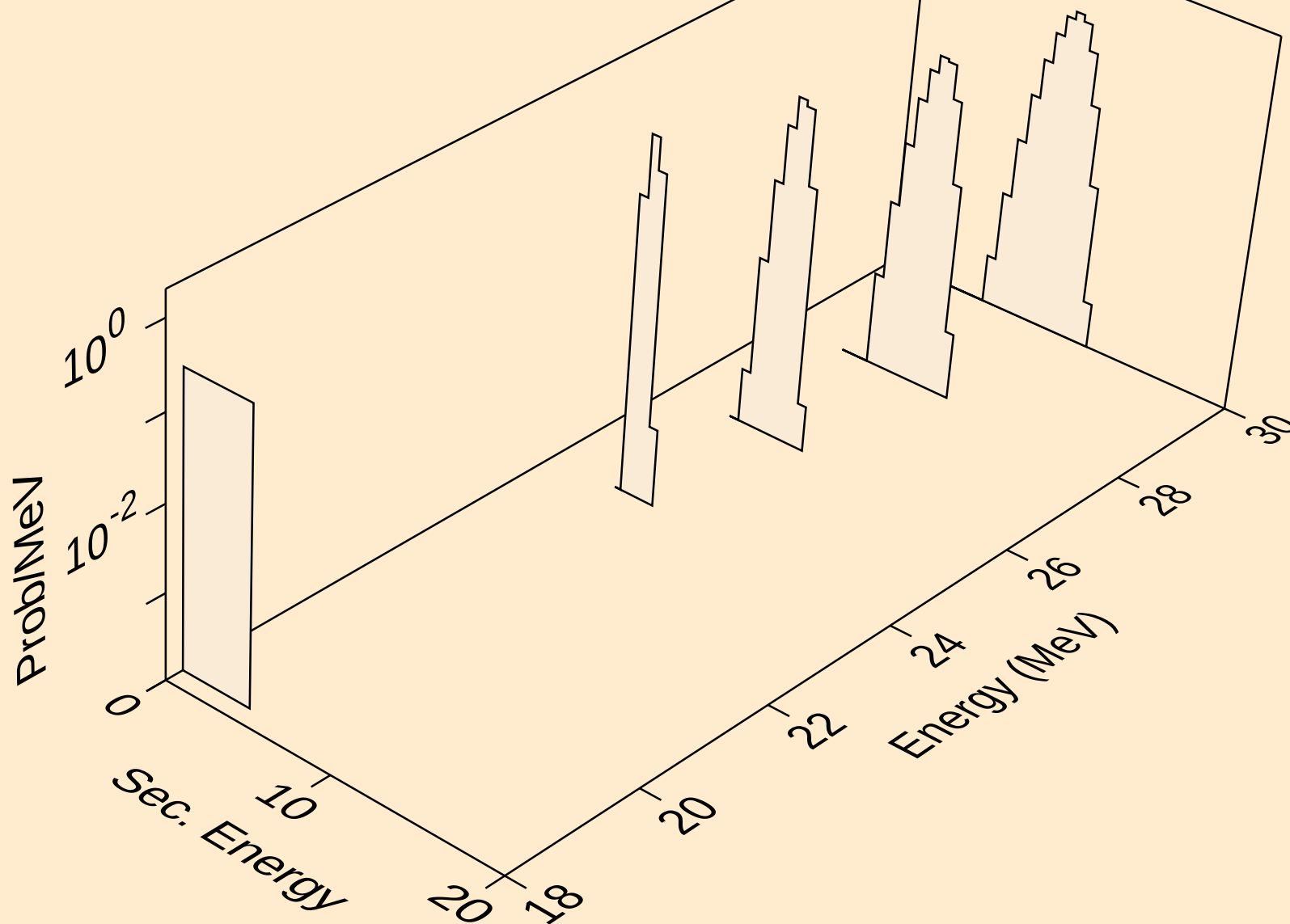
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



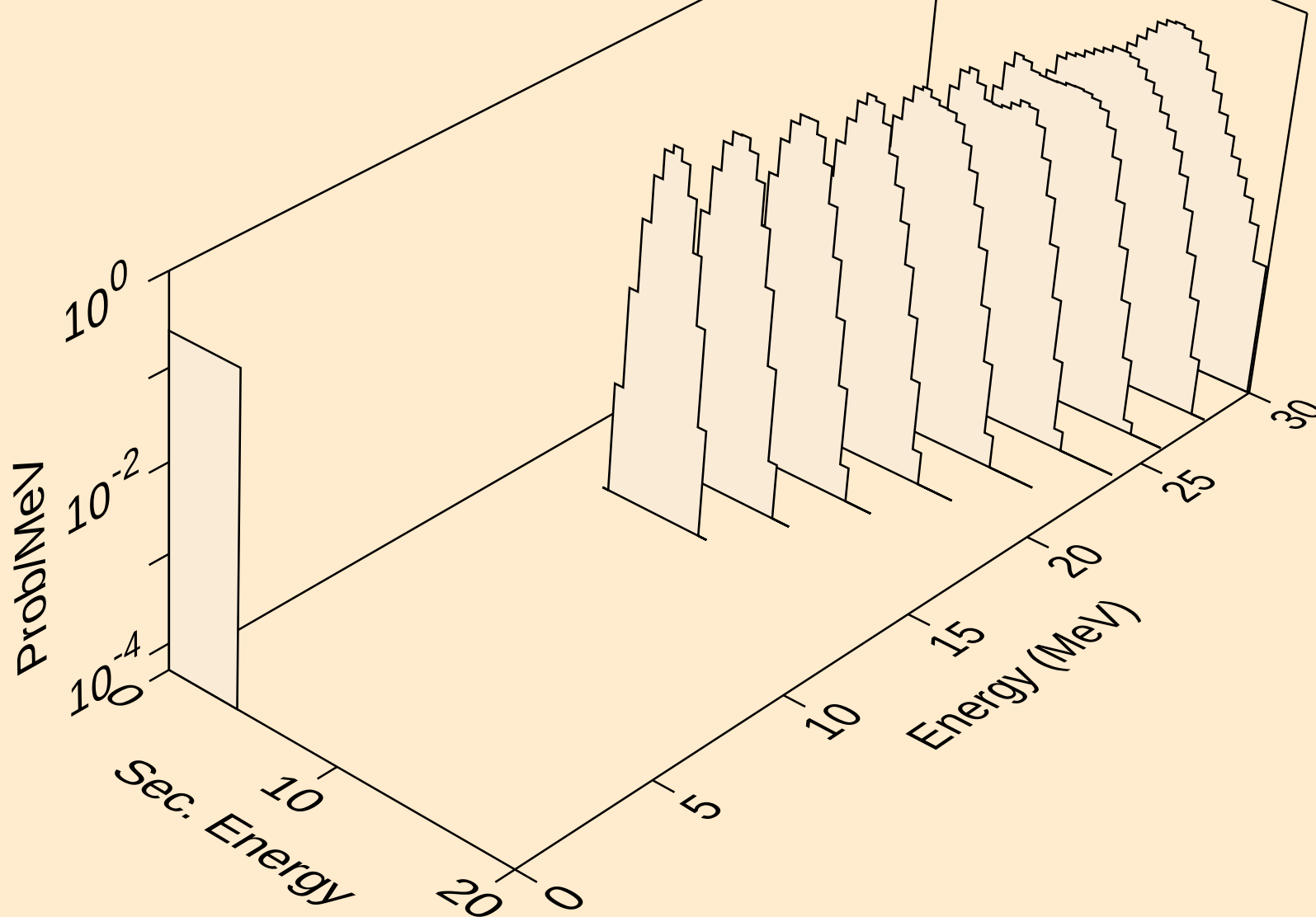
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



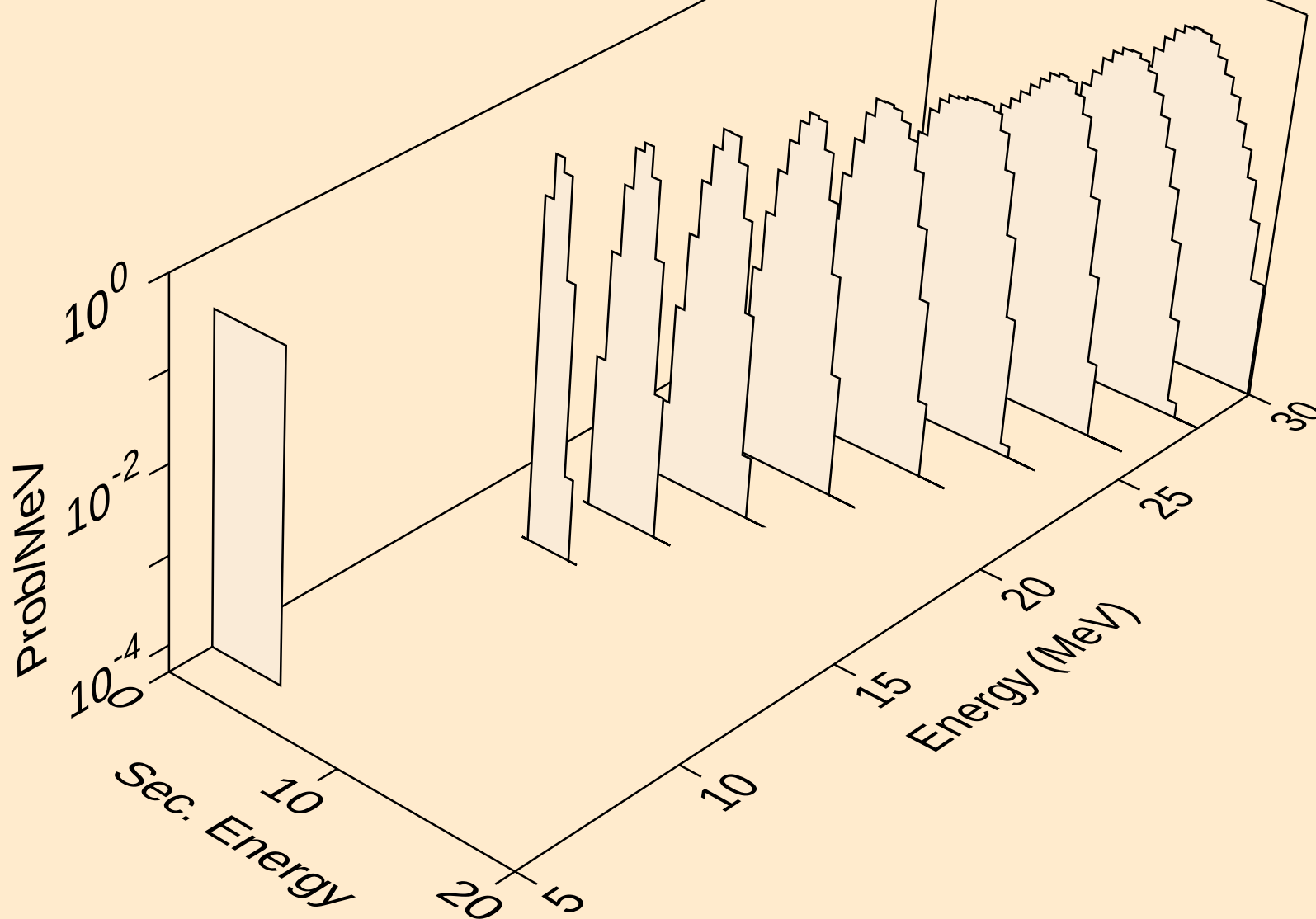
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



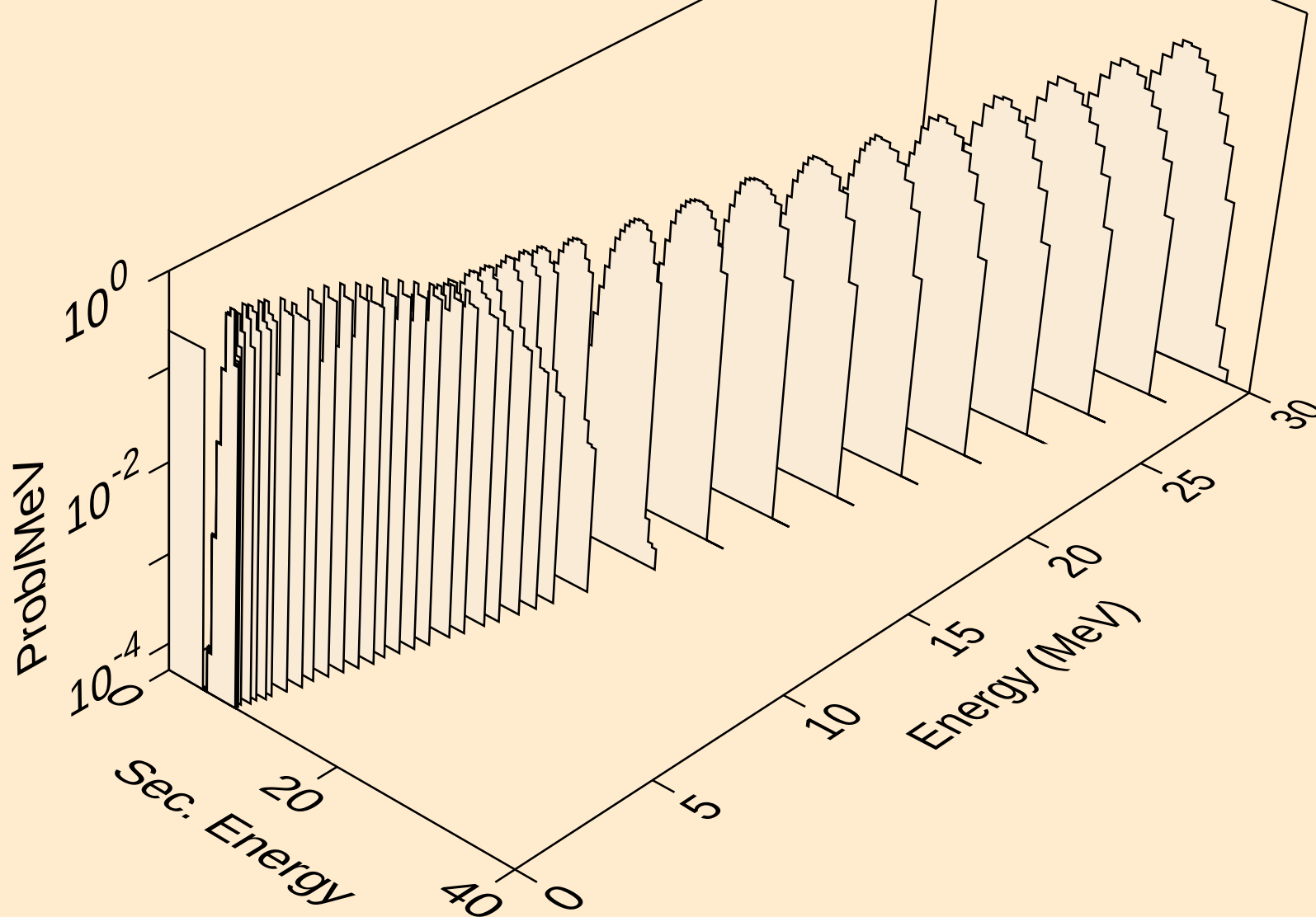
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



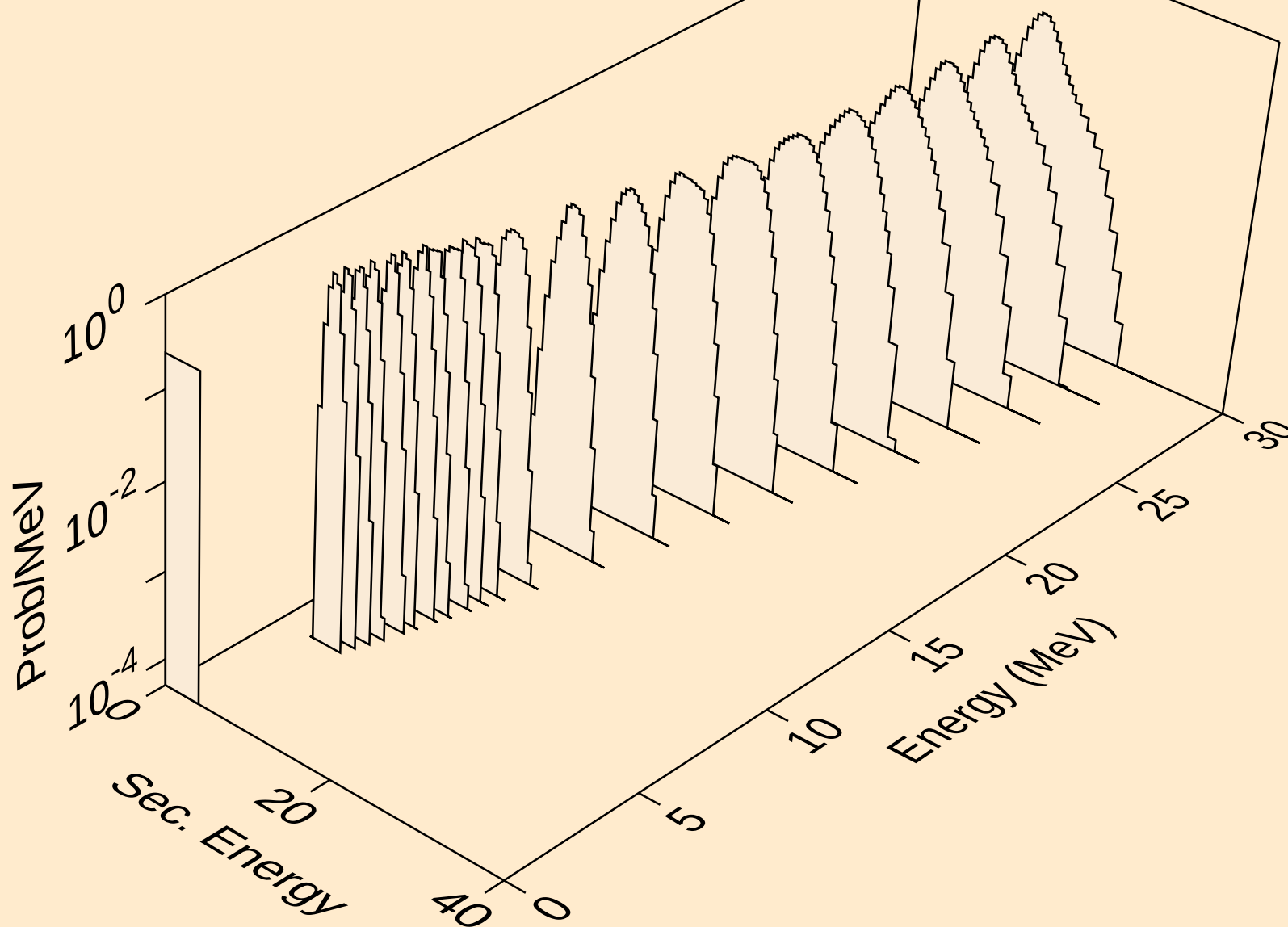
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



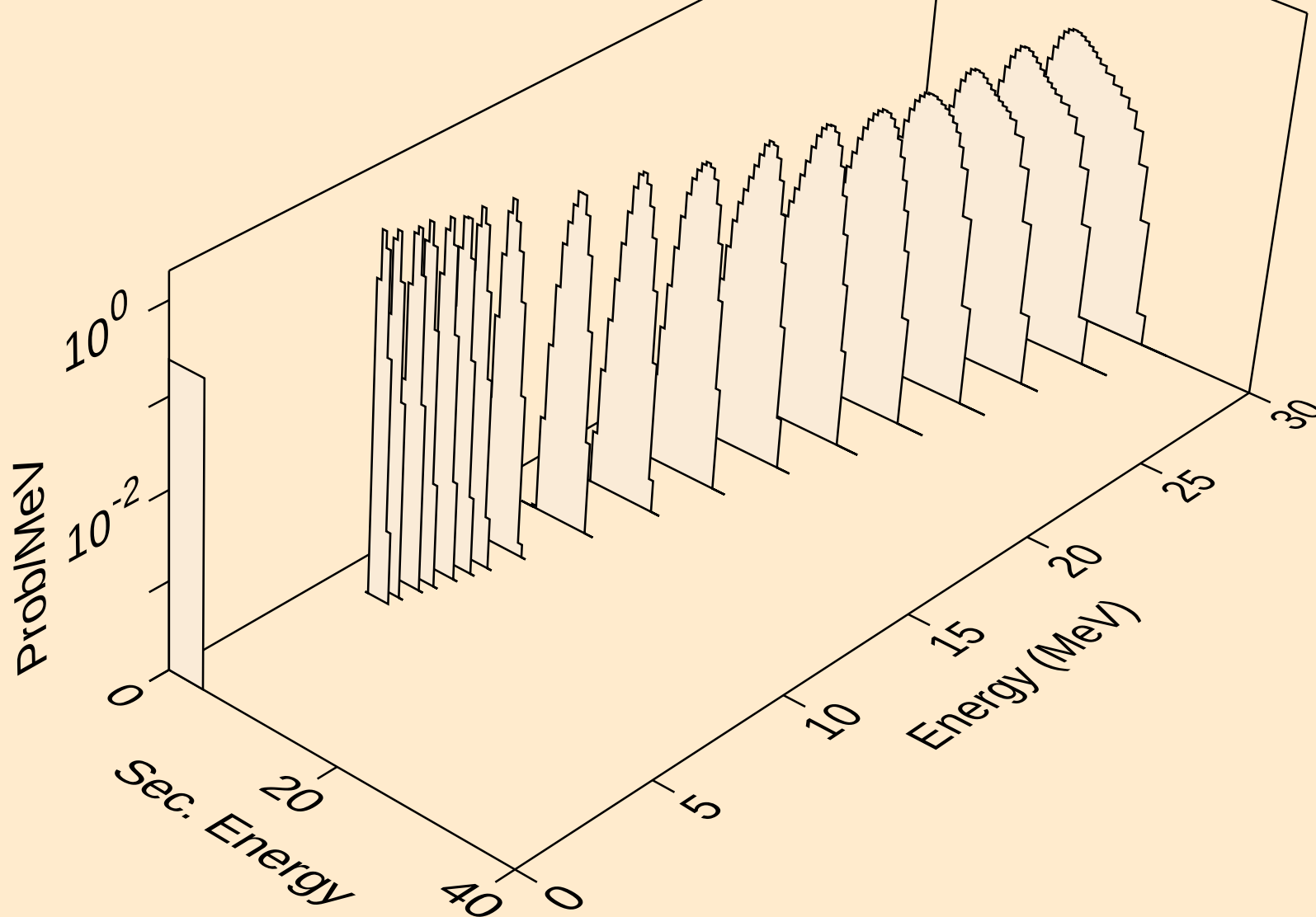
ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



ND138 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

