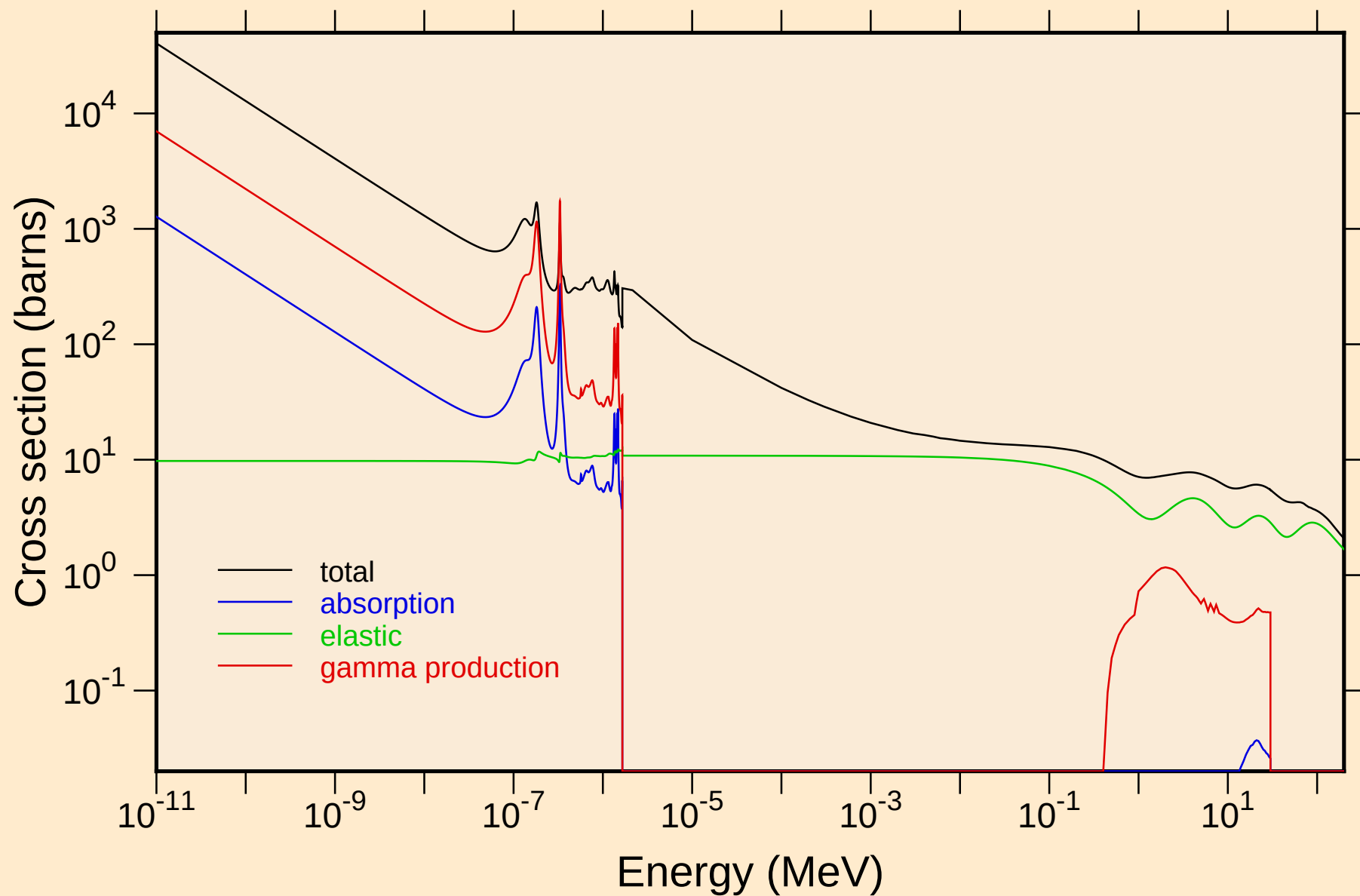
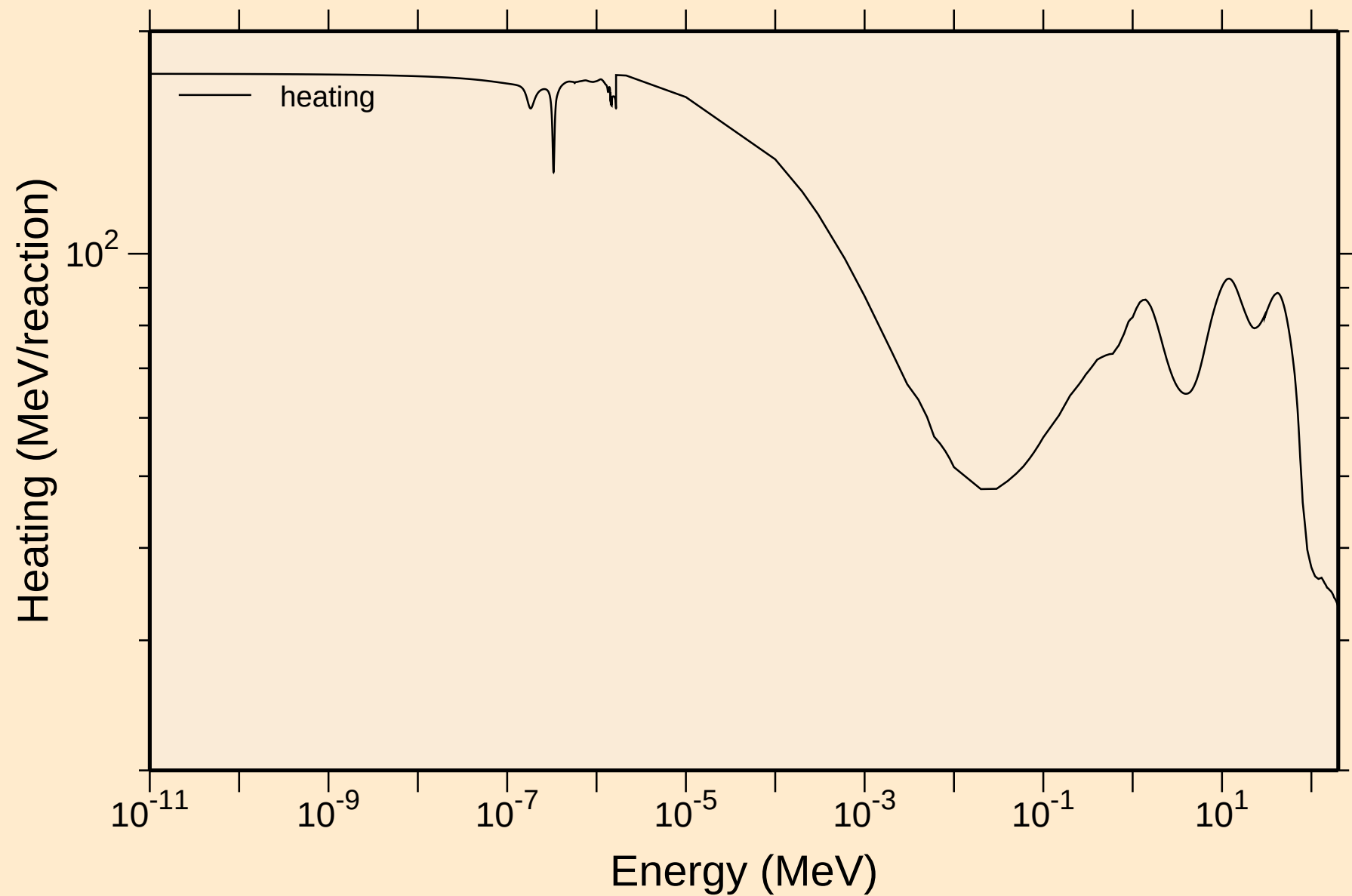


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

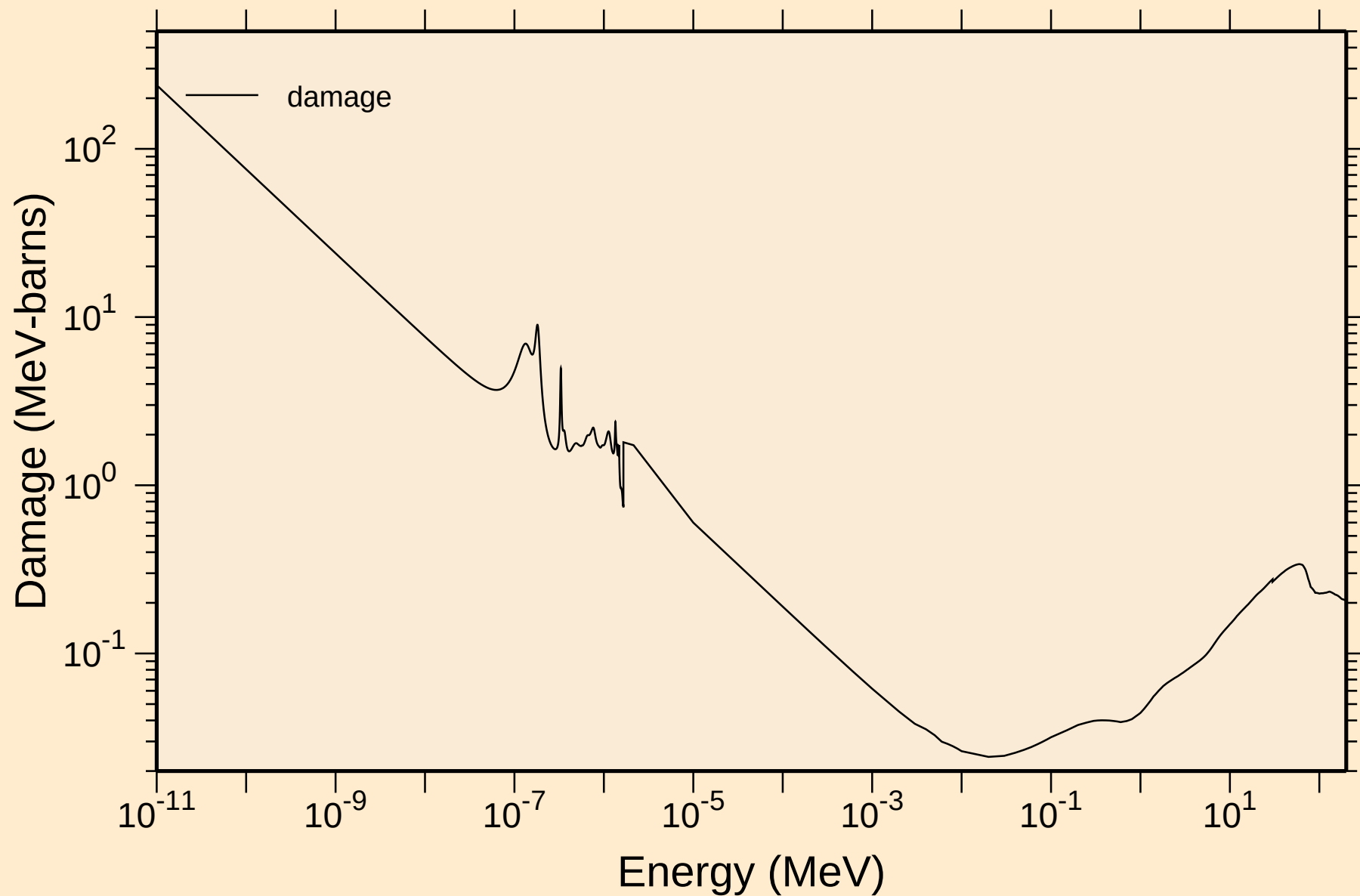


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Heating



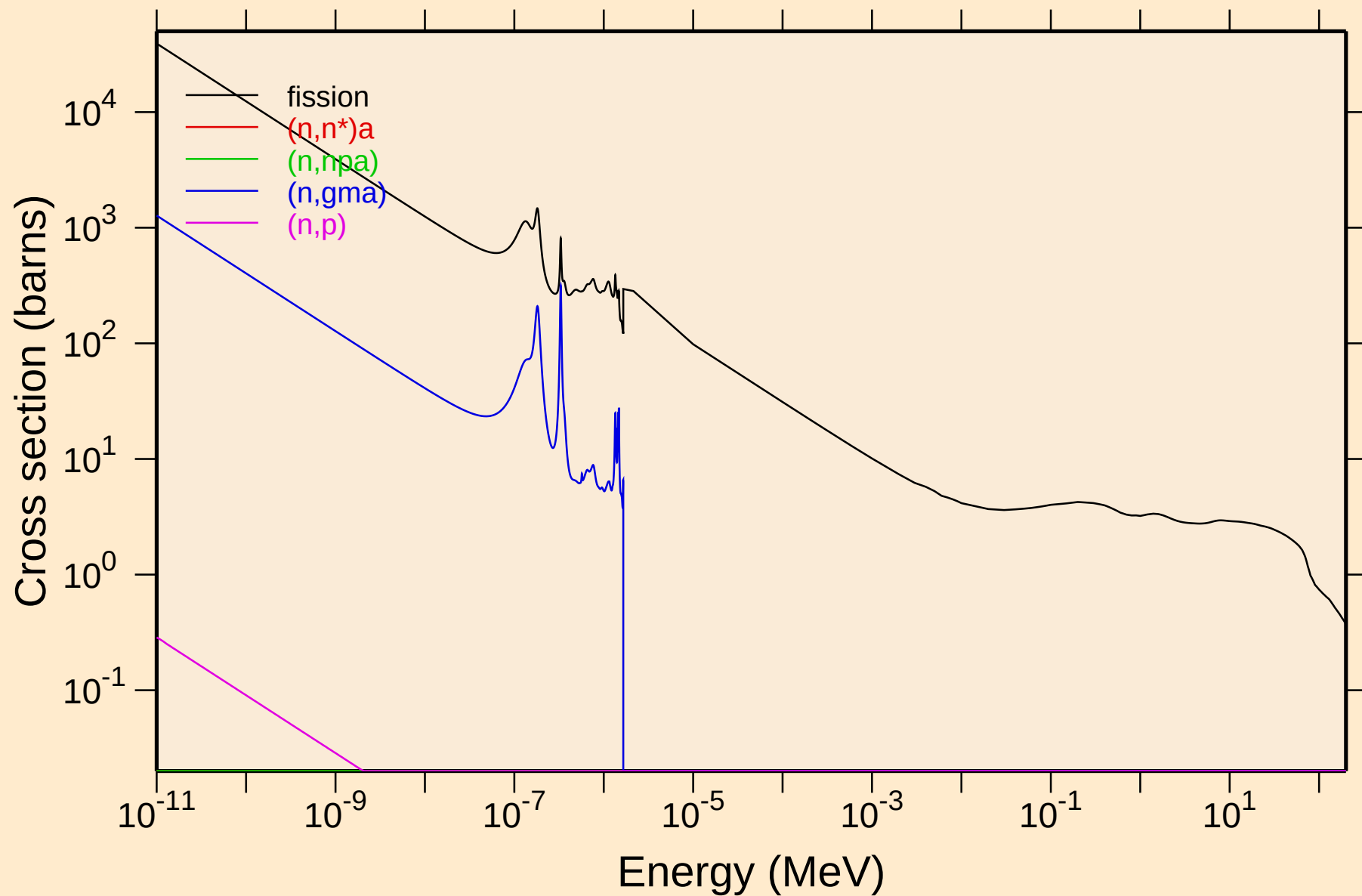
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

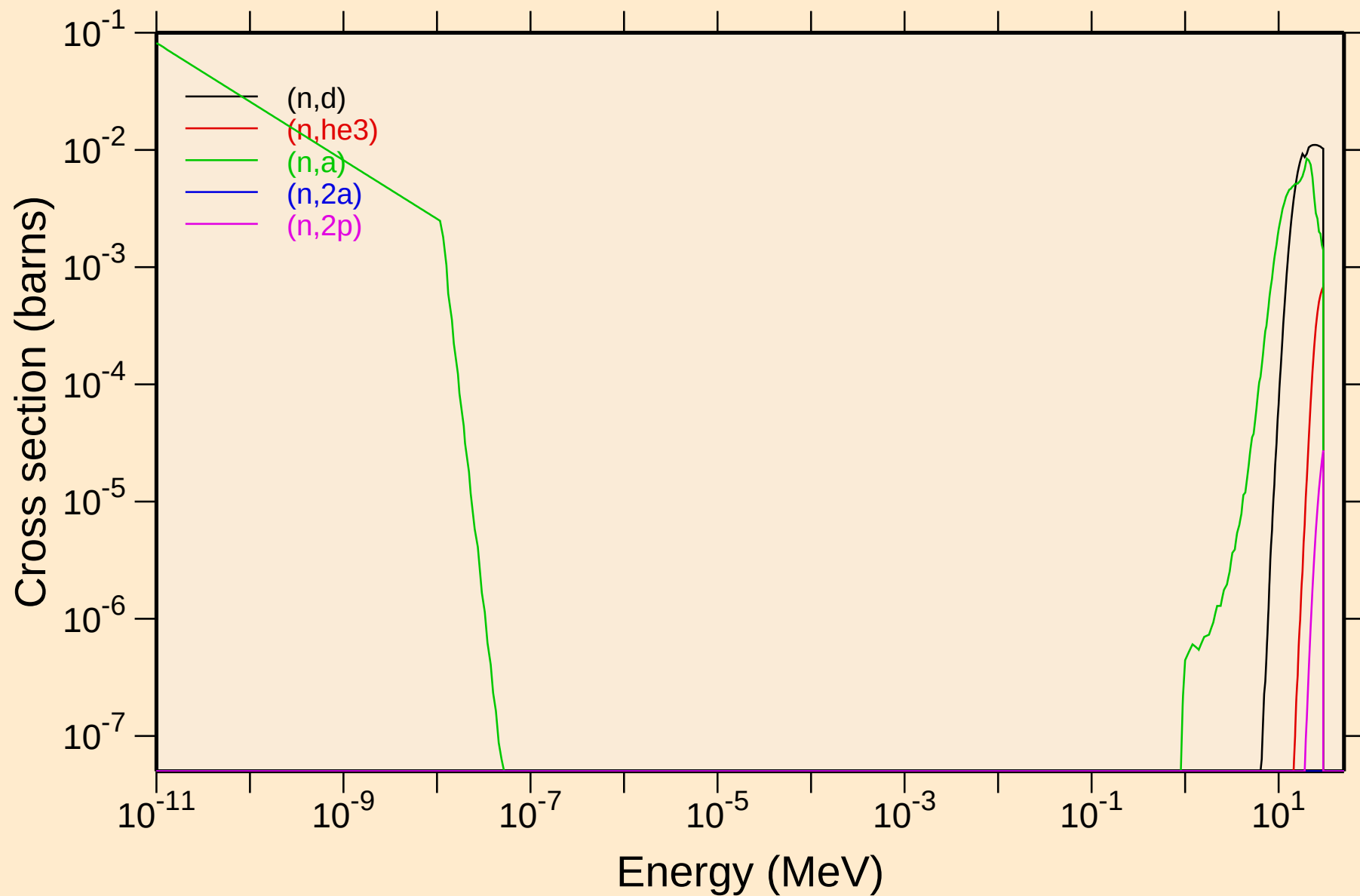


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

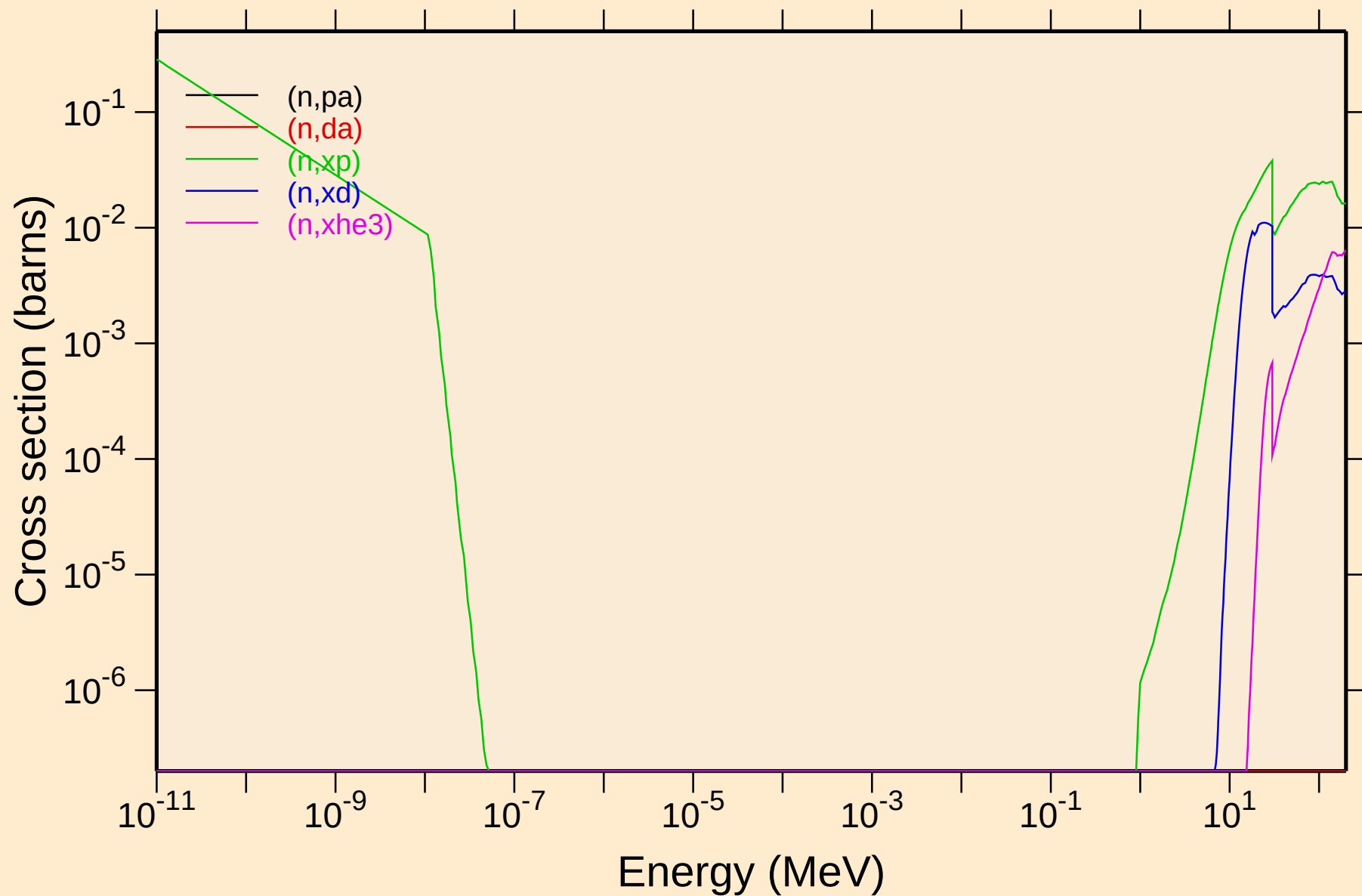
Non-threshold reactions



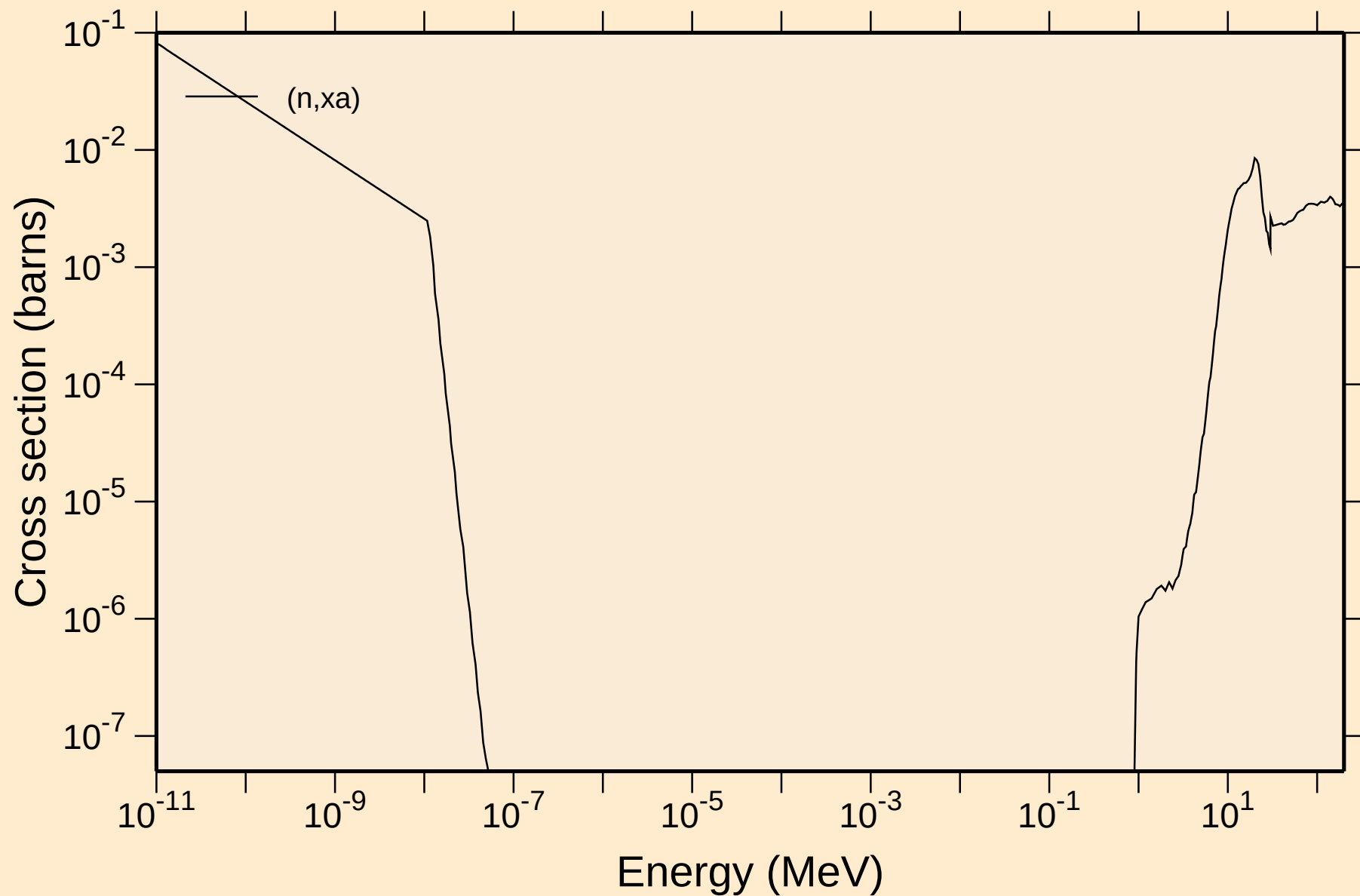
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

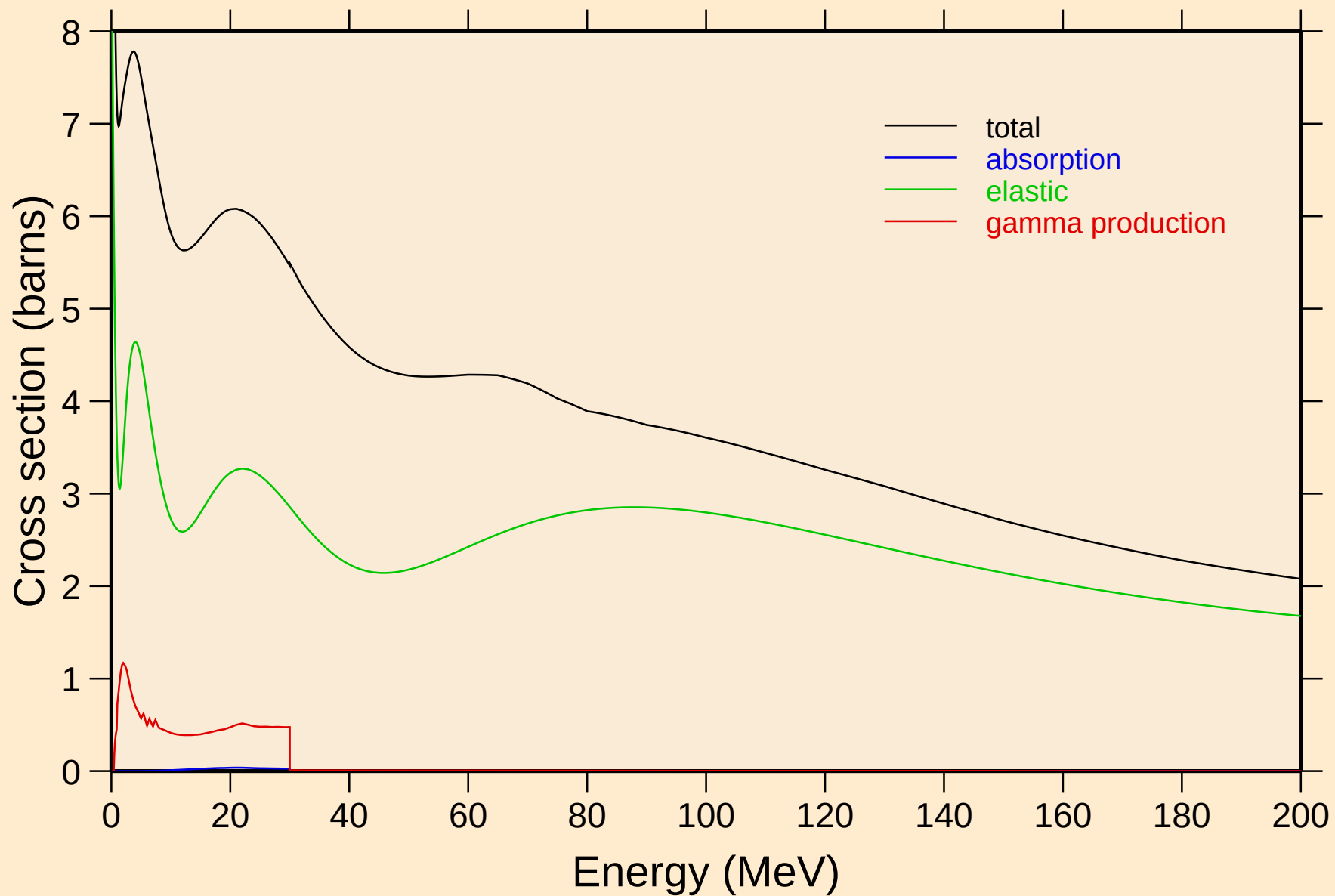


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

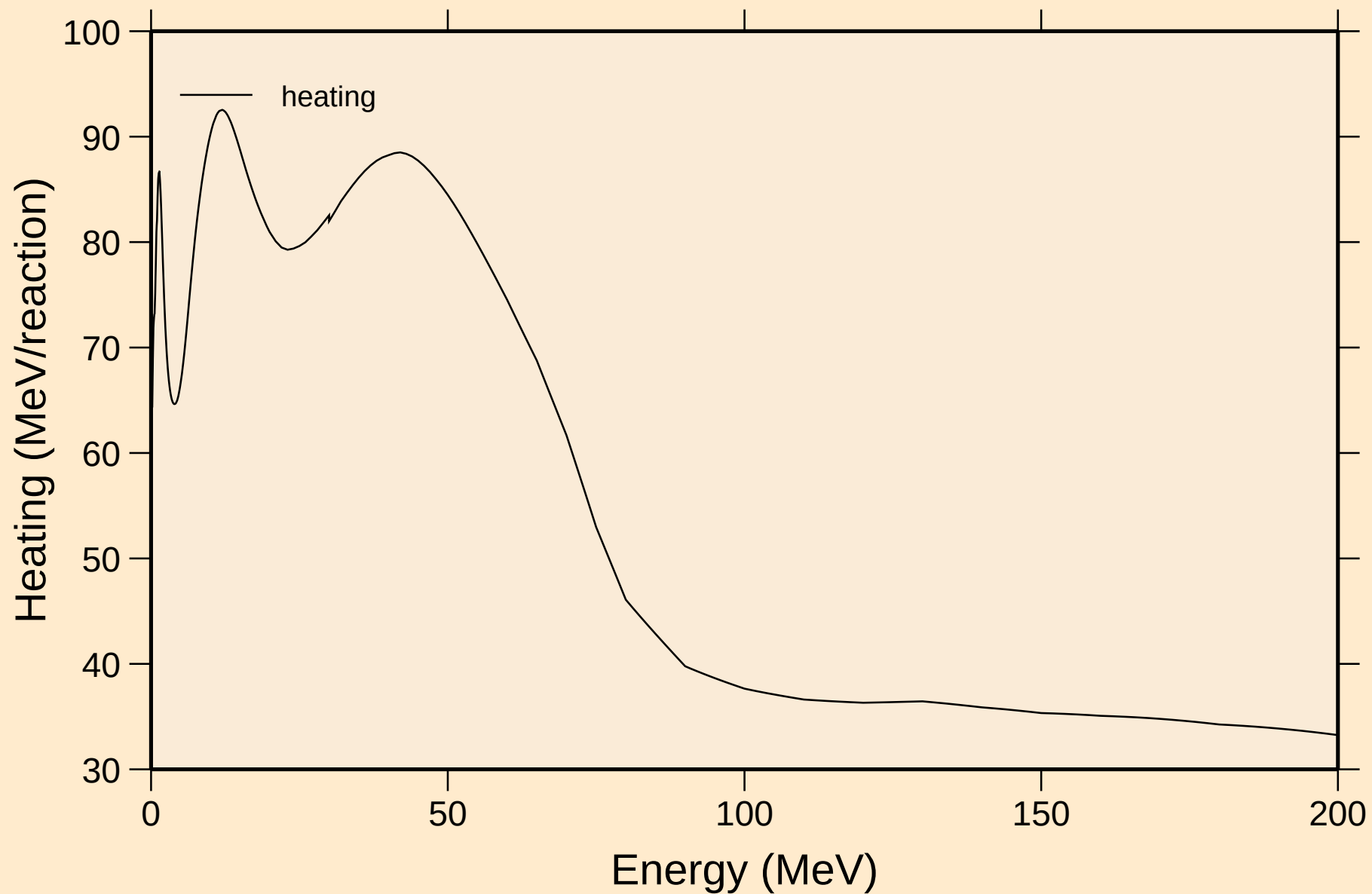


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

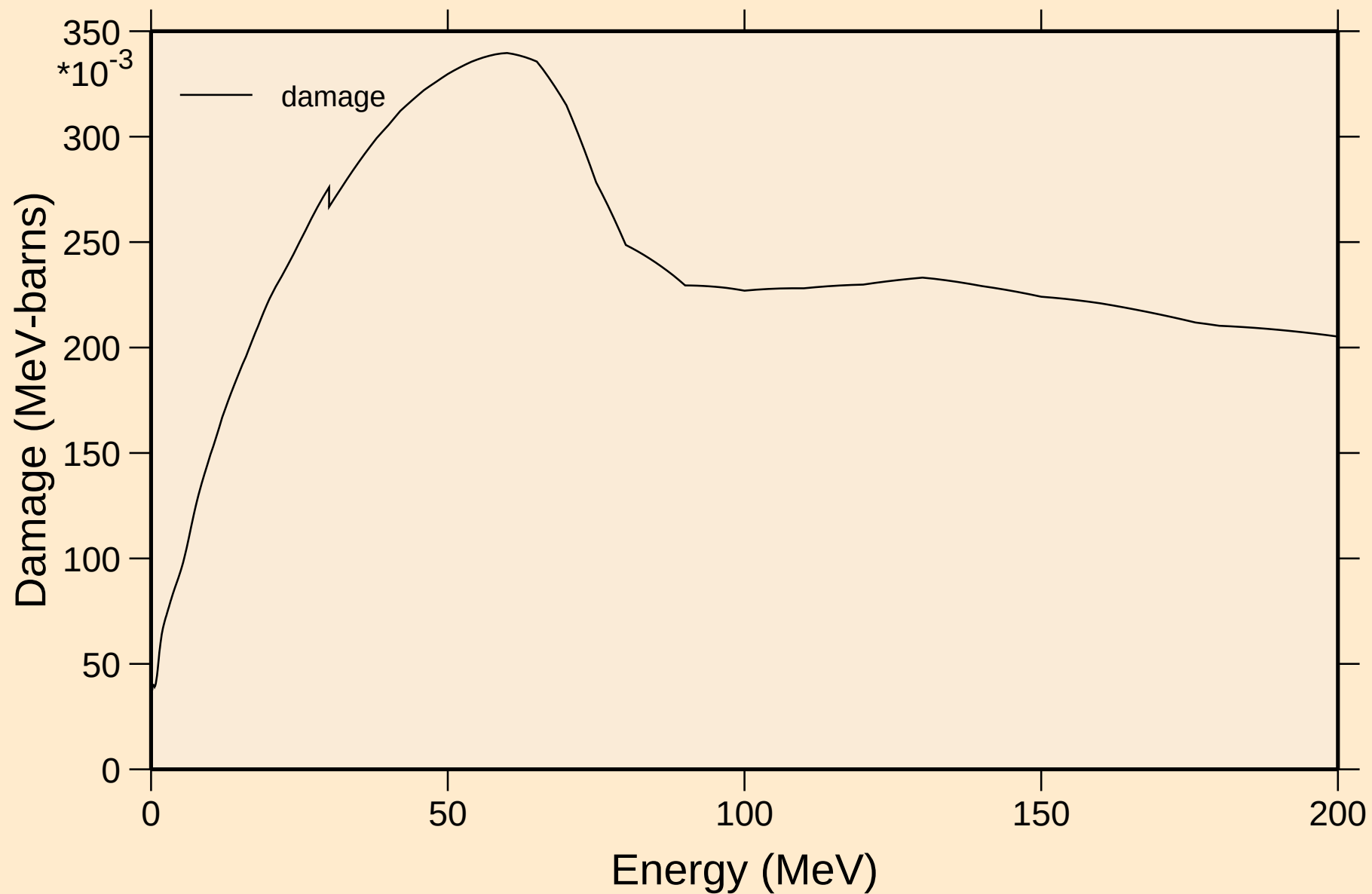


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Heating



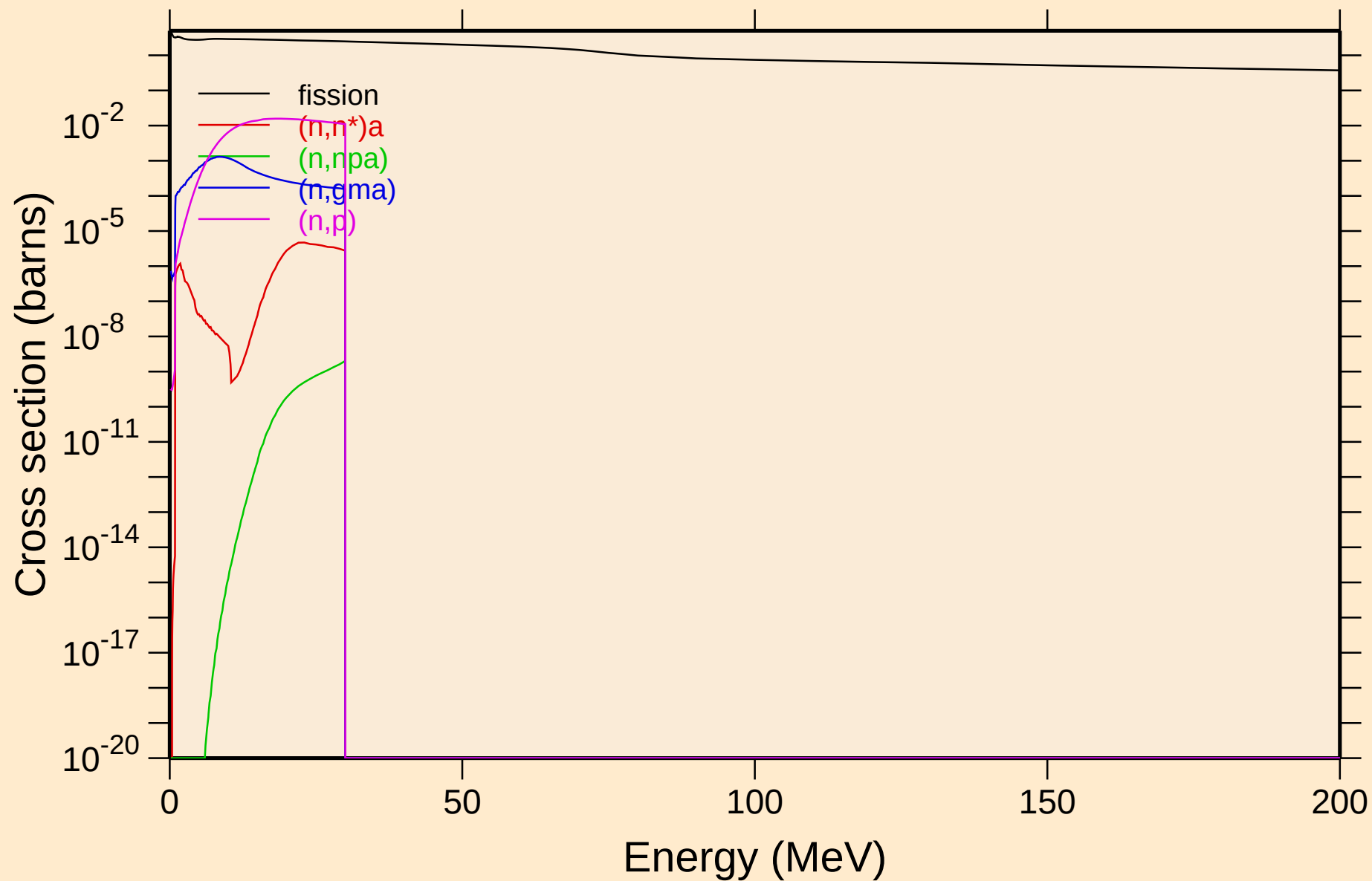
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



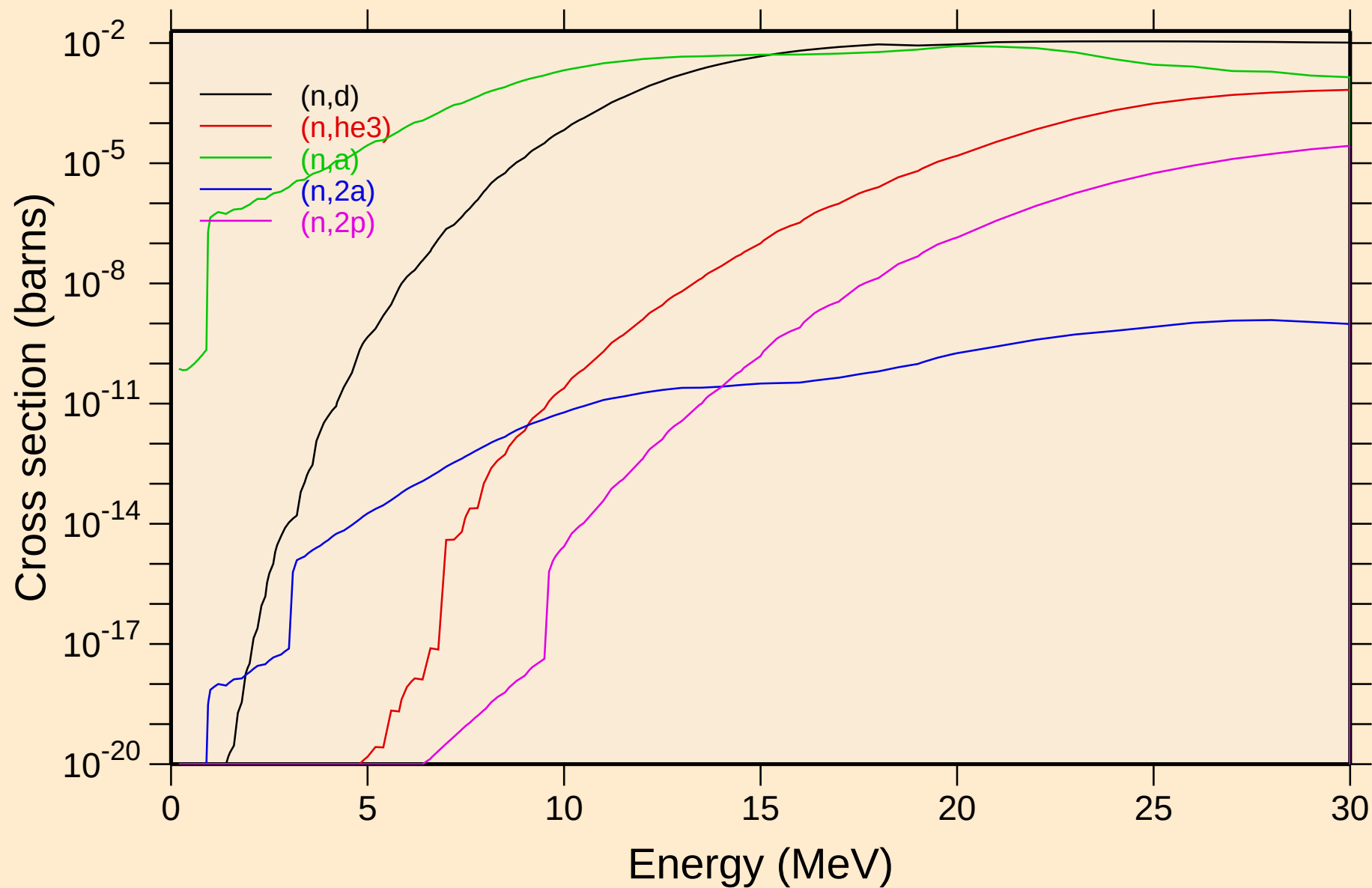
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

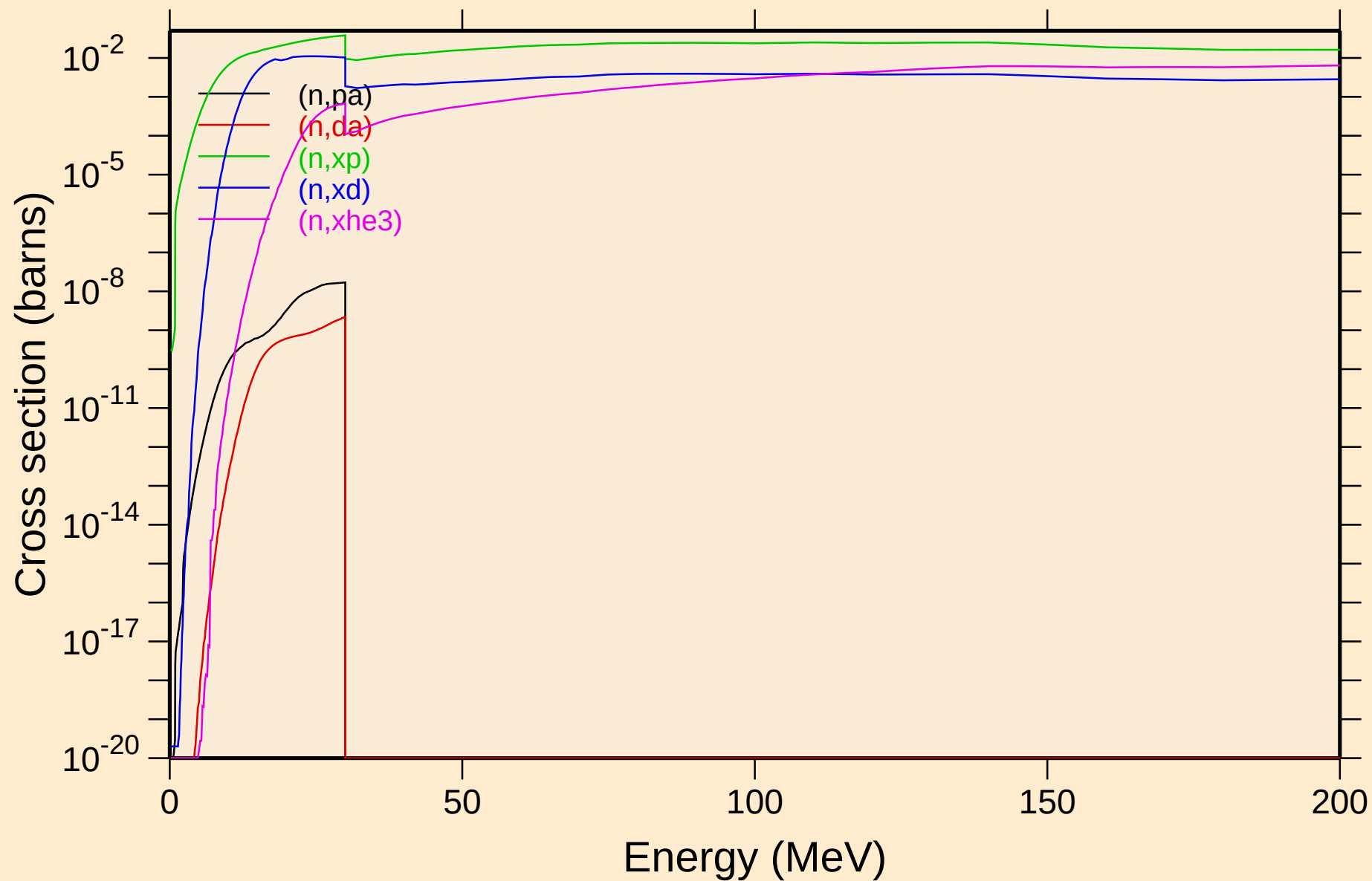


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

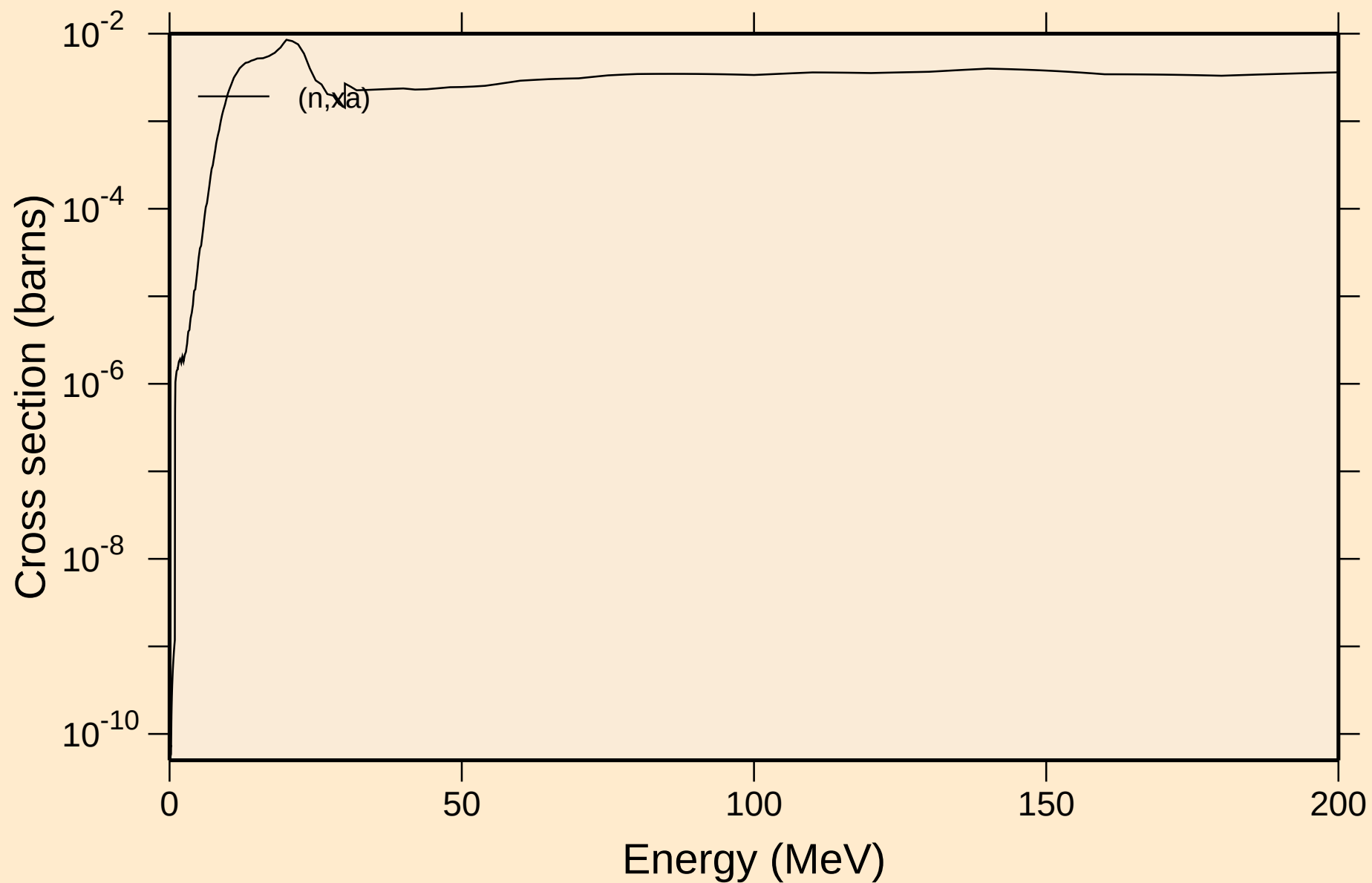
Non-threshold reactions



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

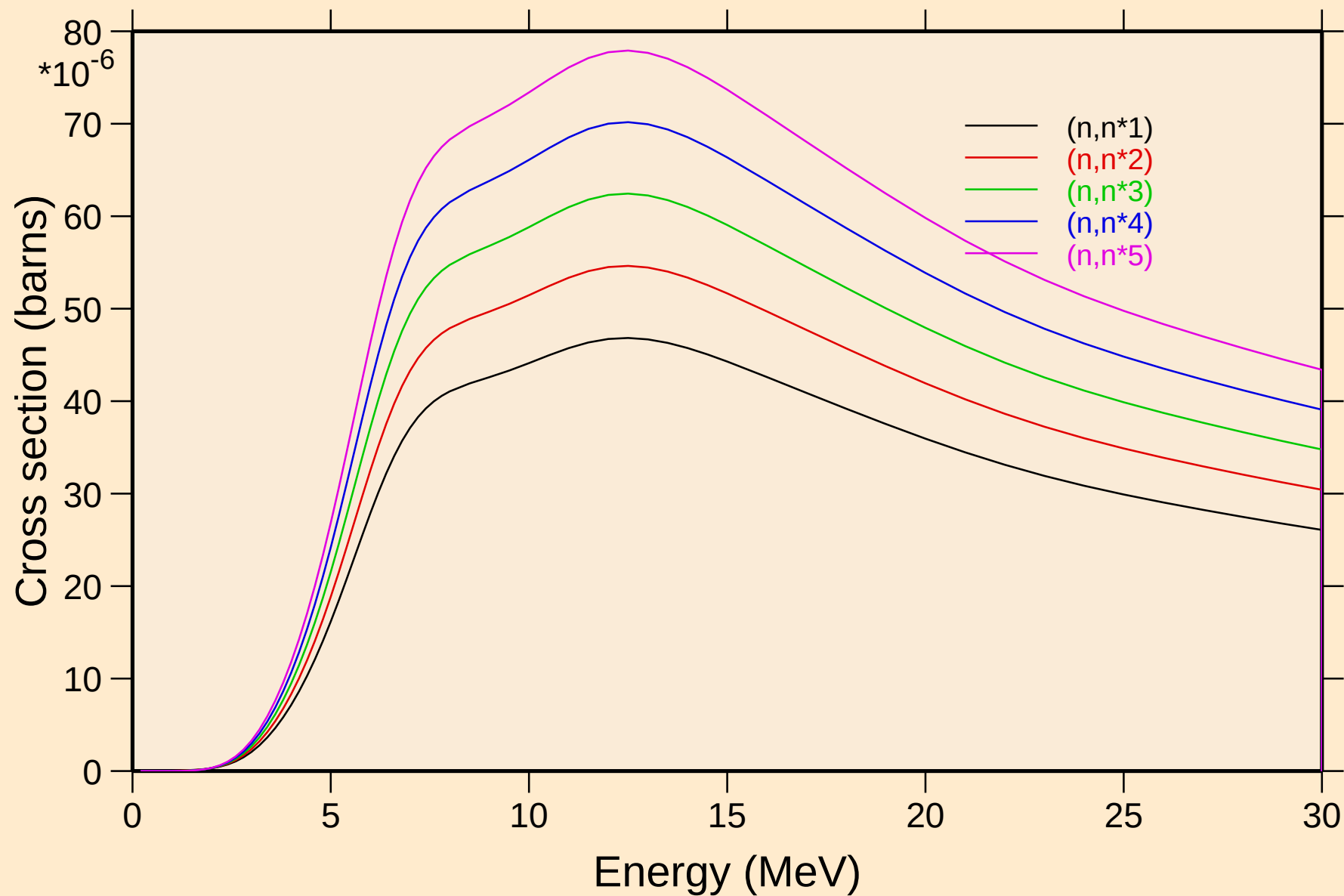


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

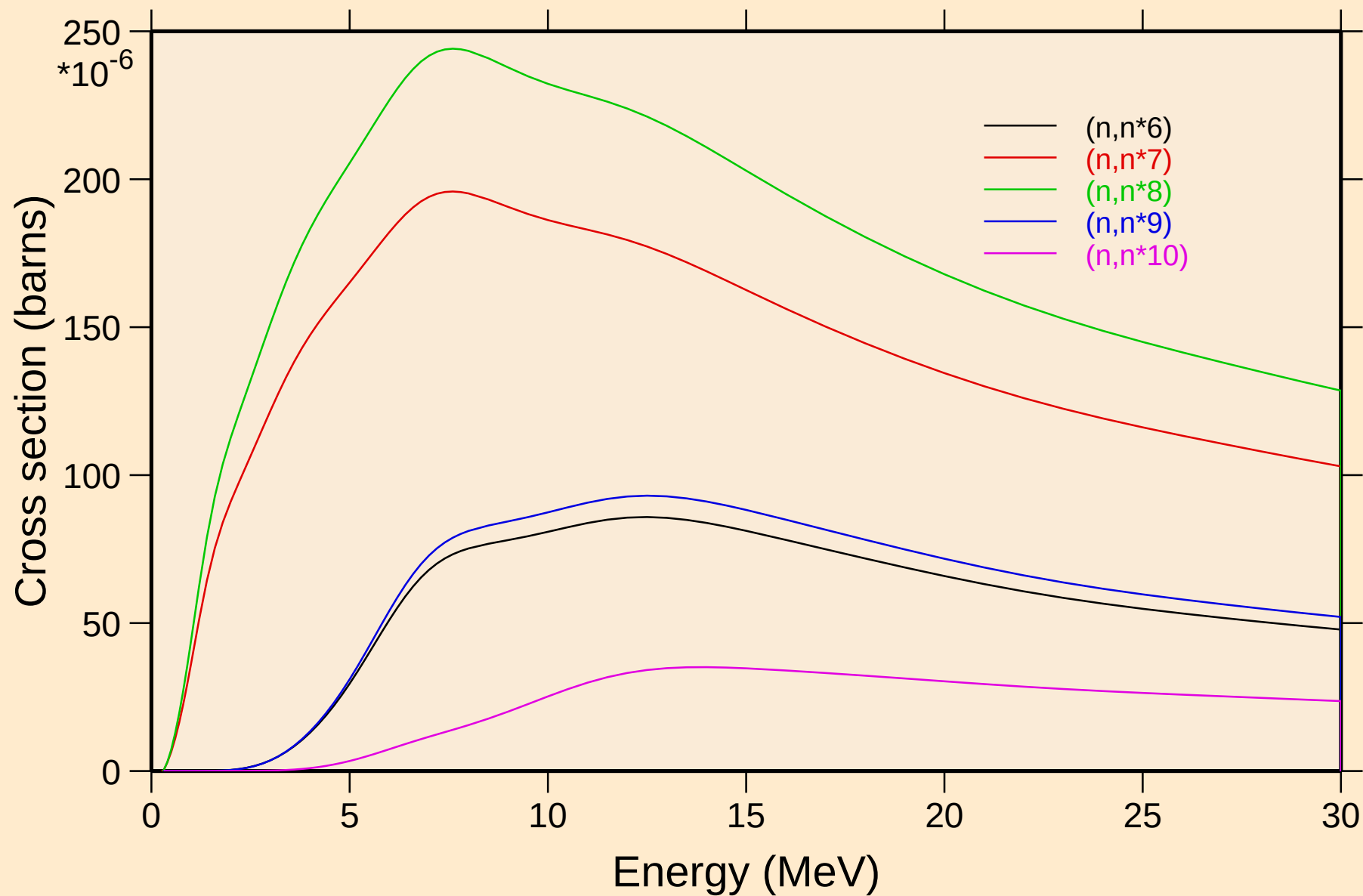


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

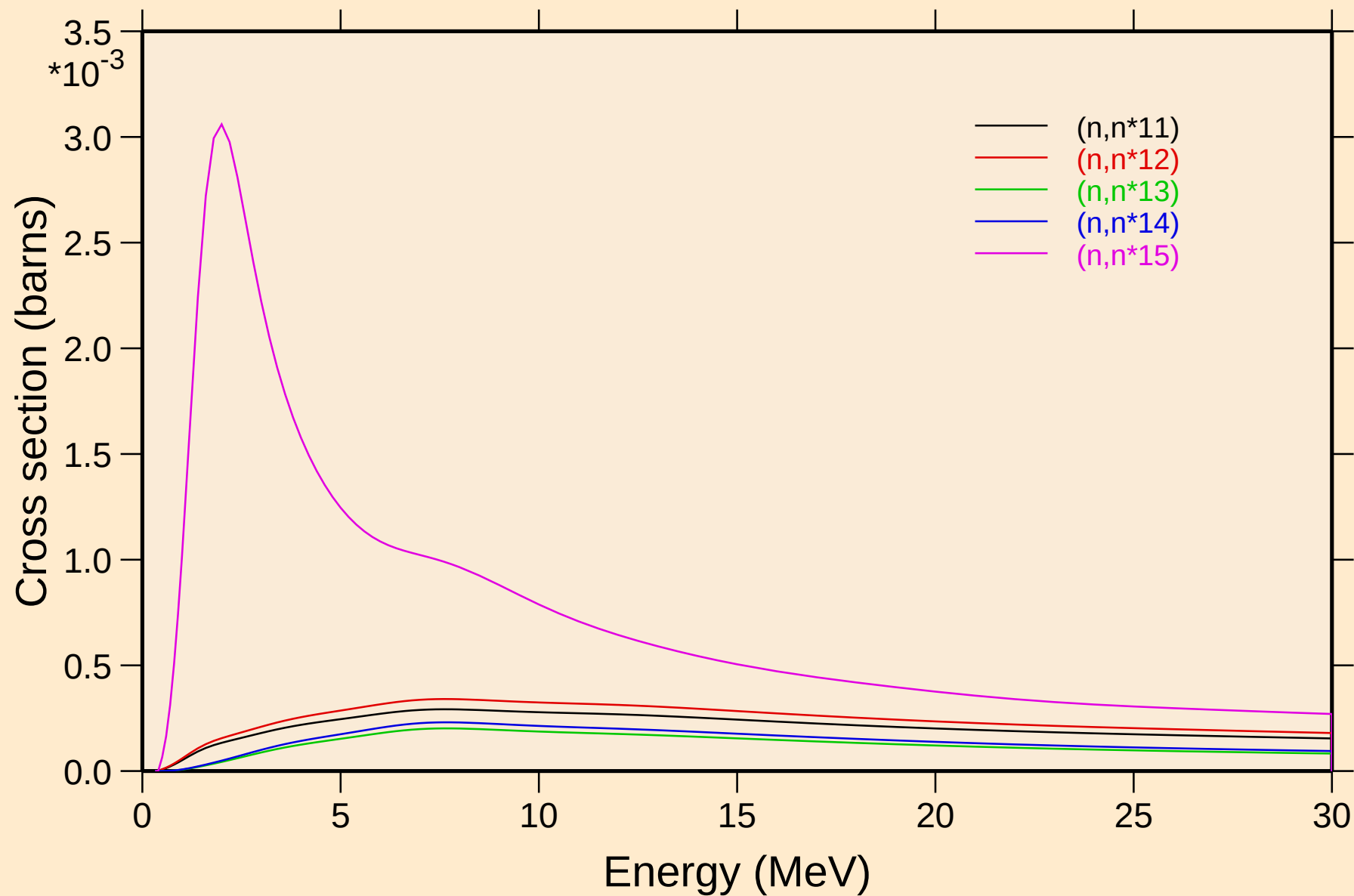


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



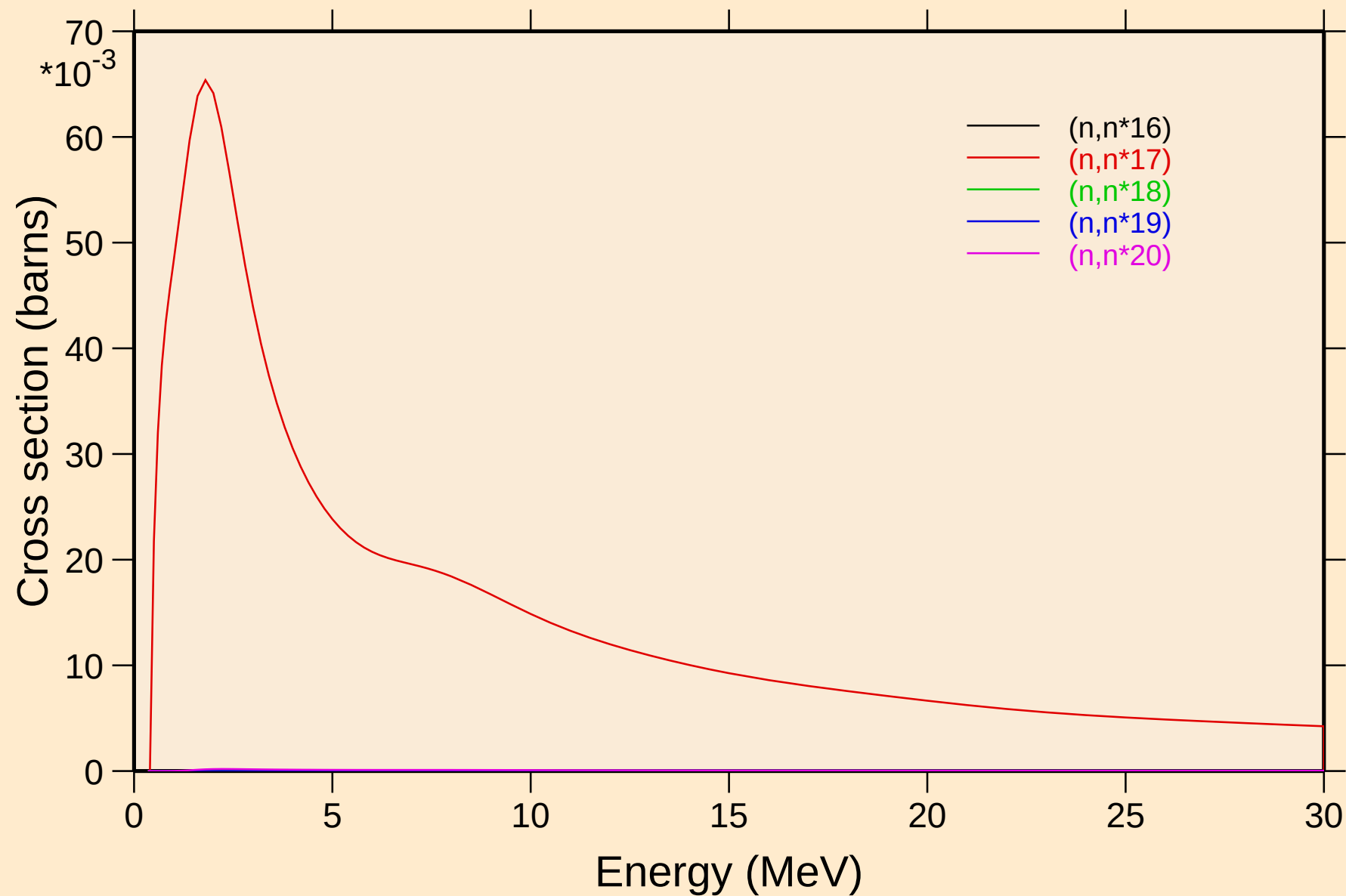
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



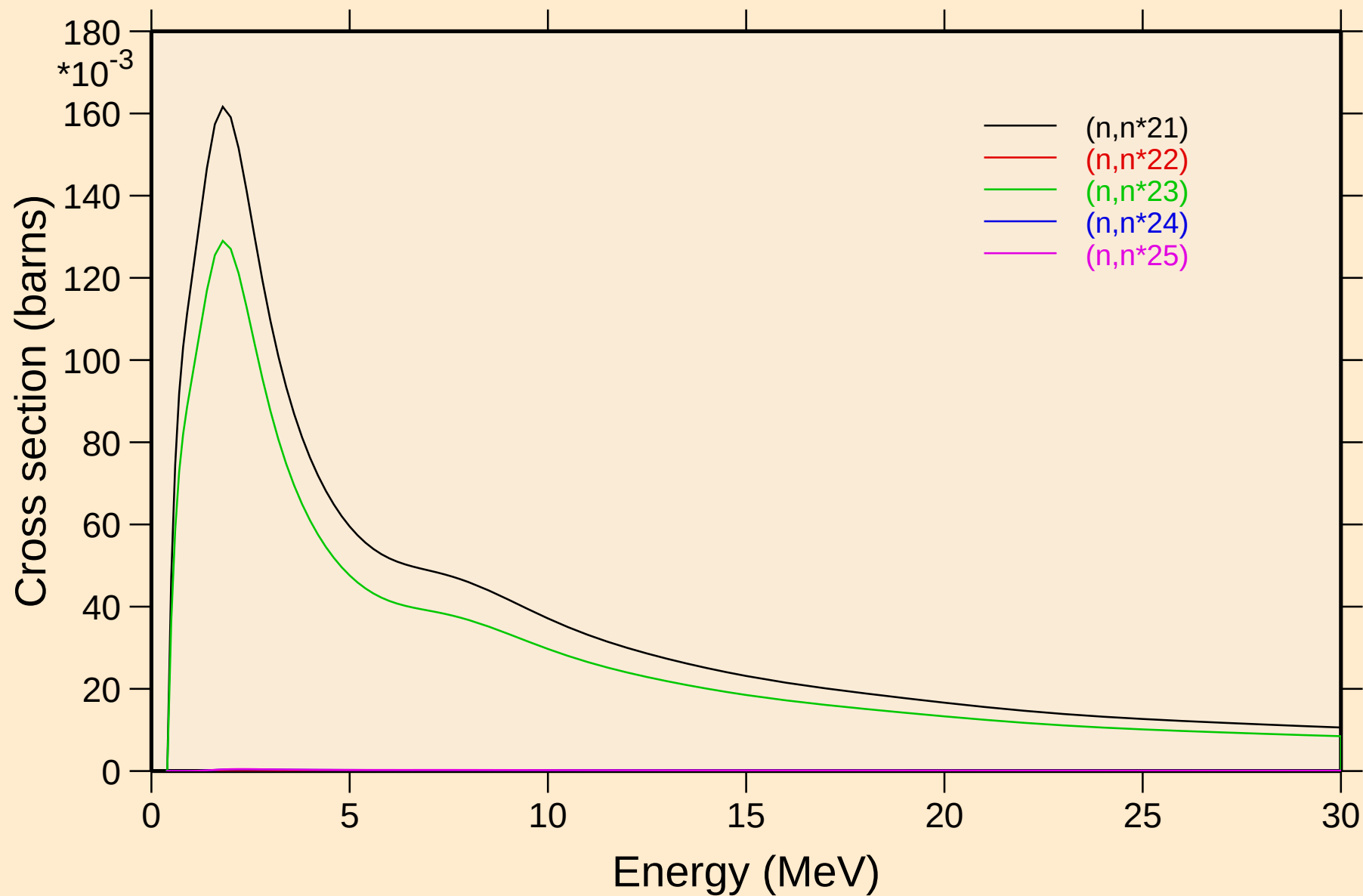
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



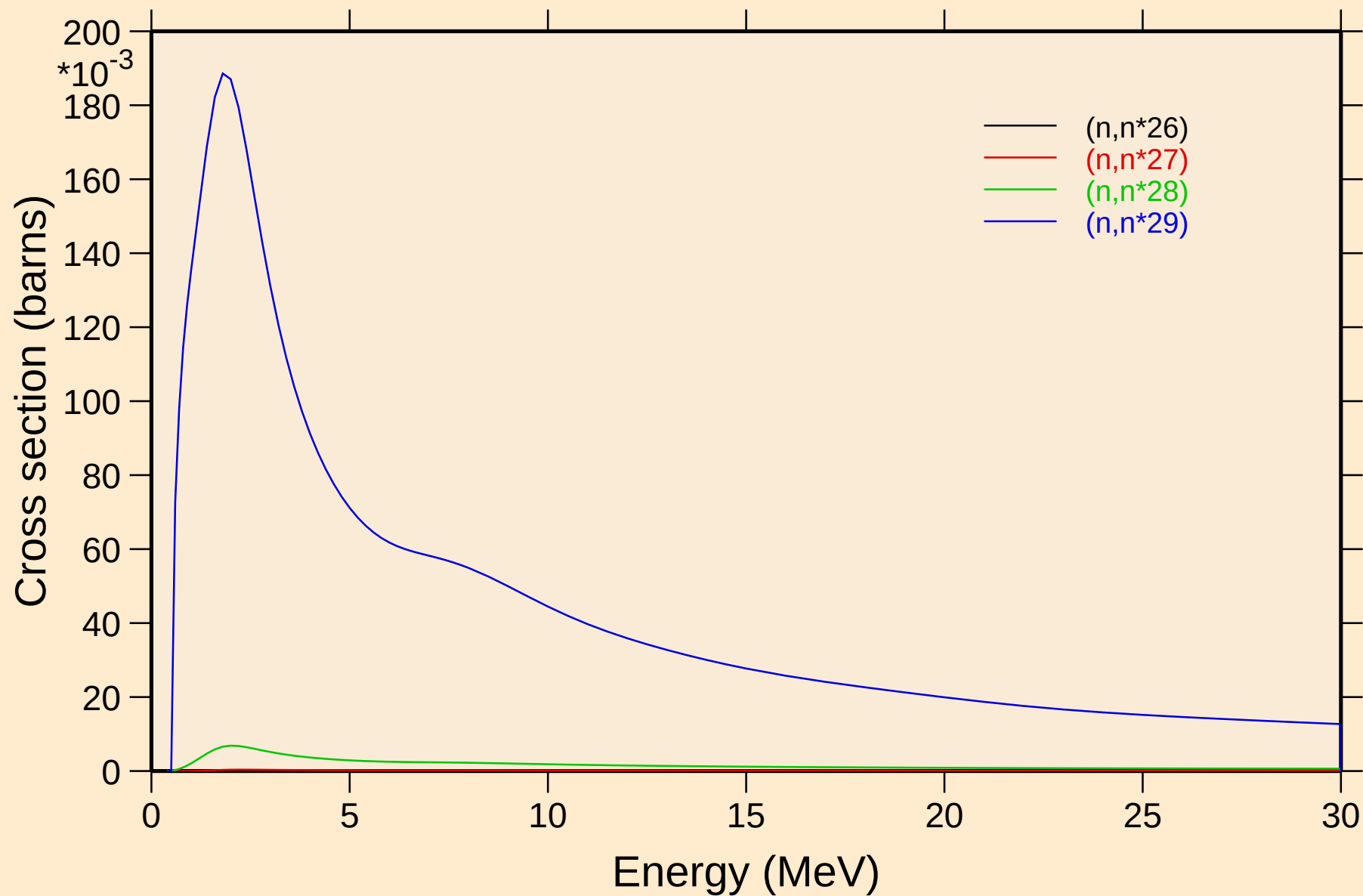
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



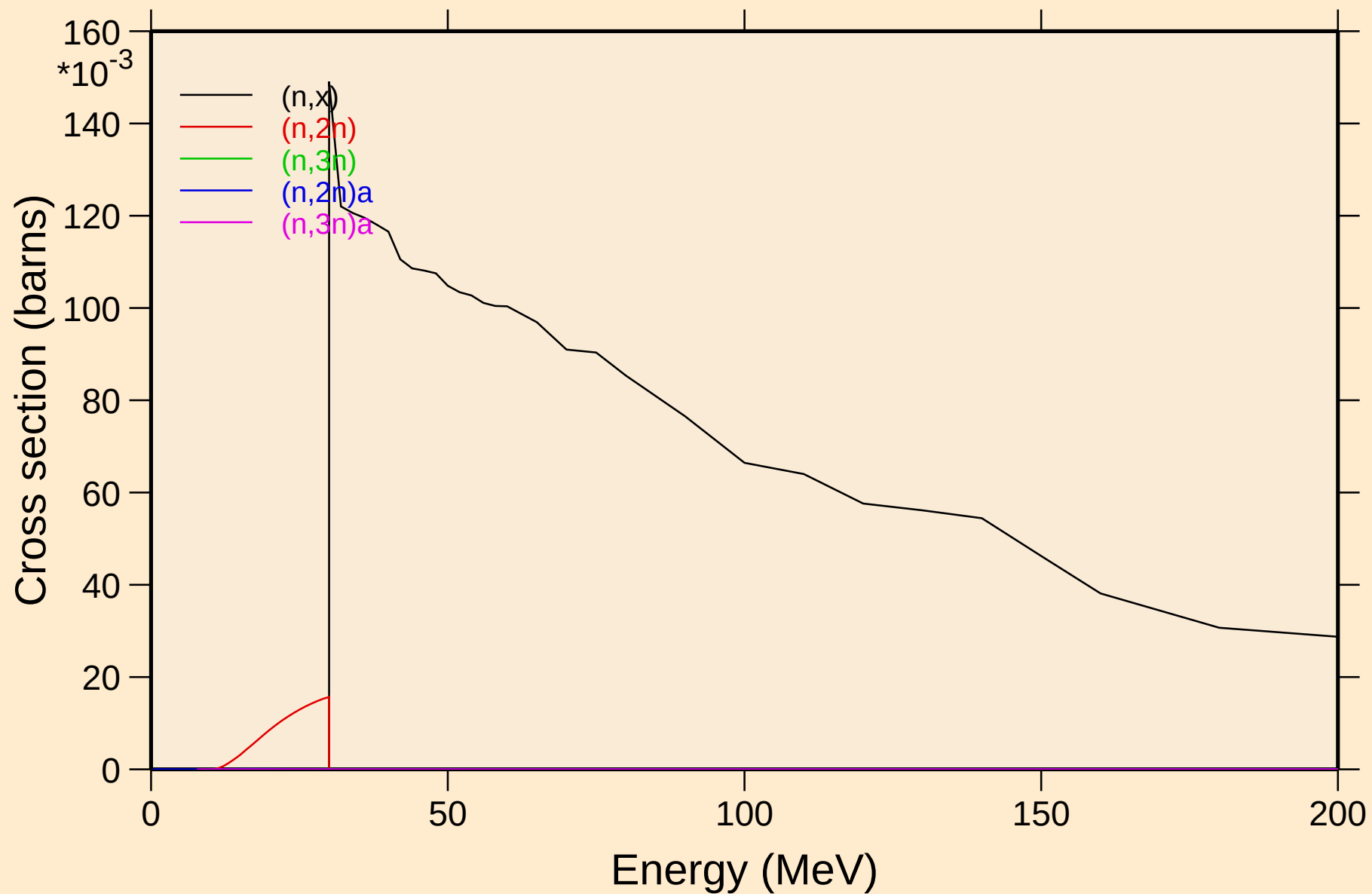
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



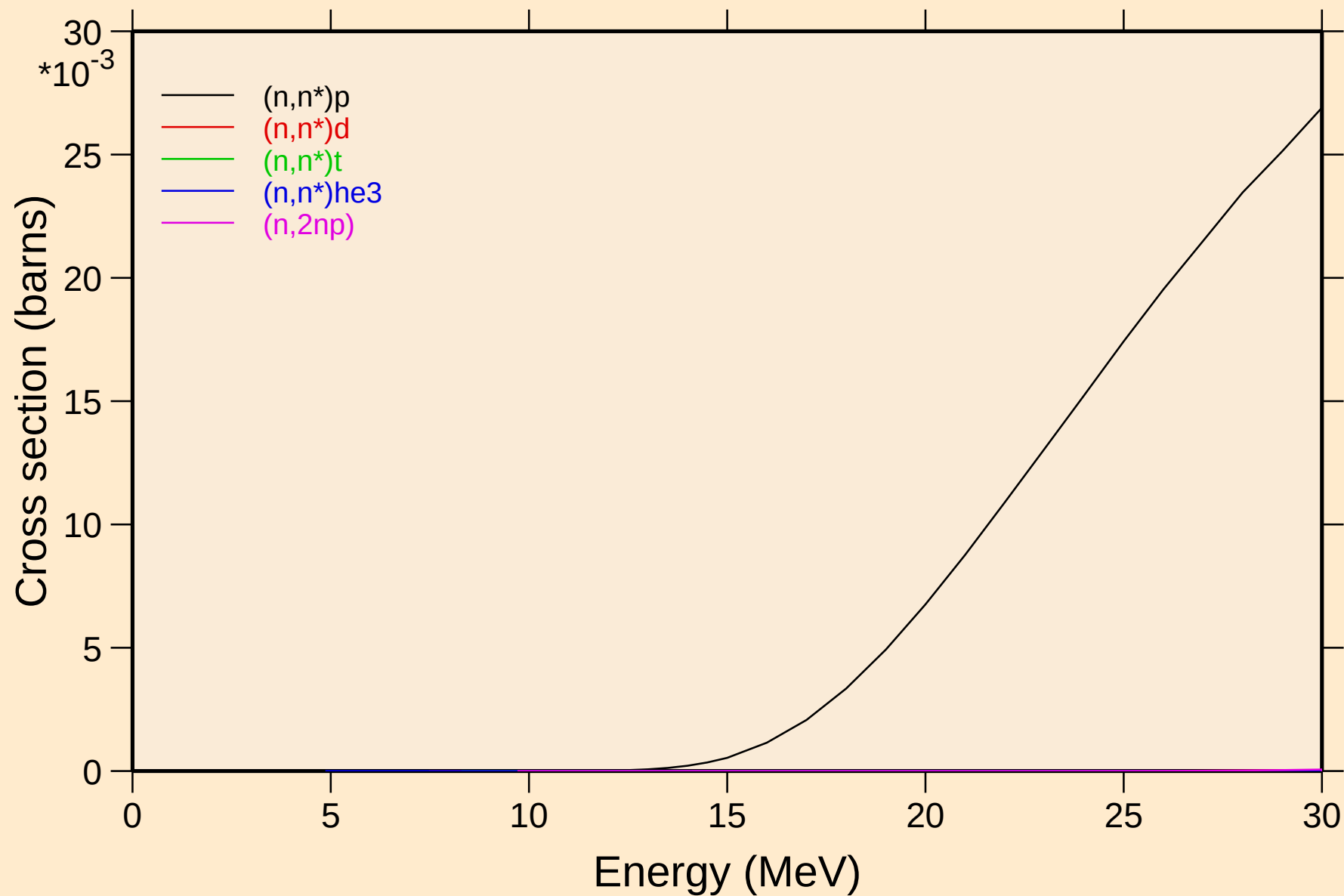
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



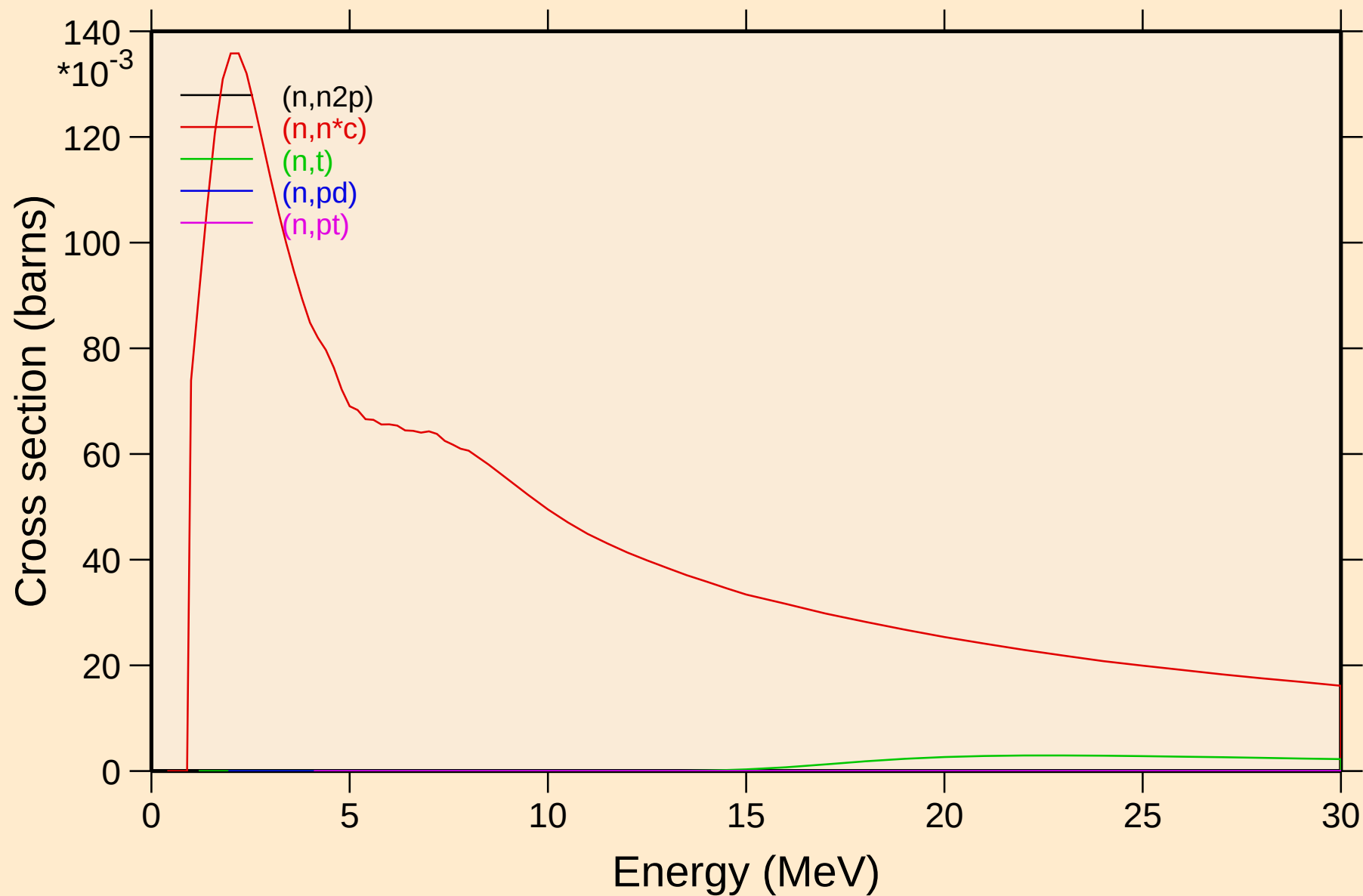
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



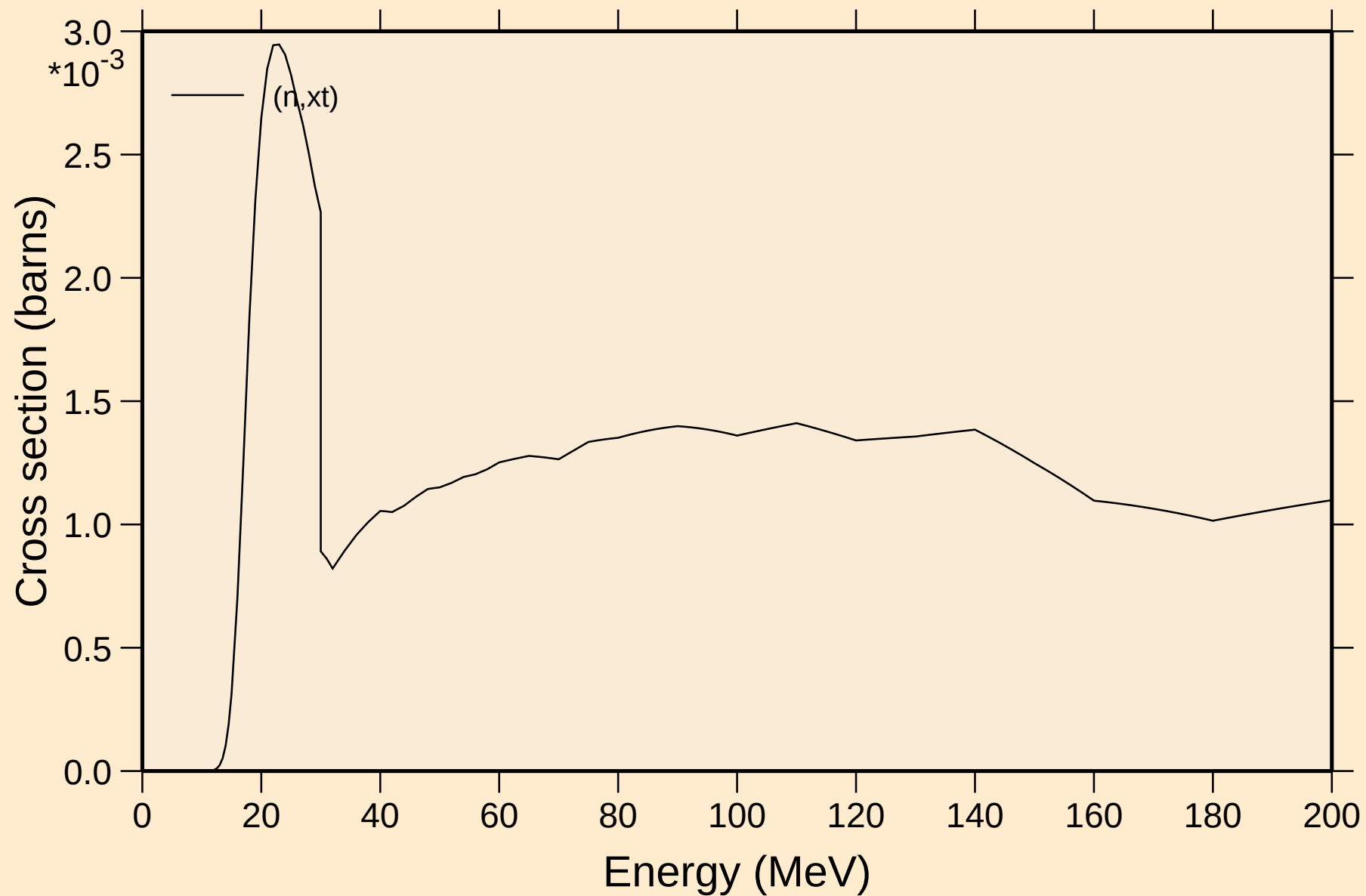
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

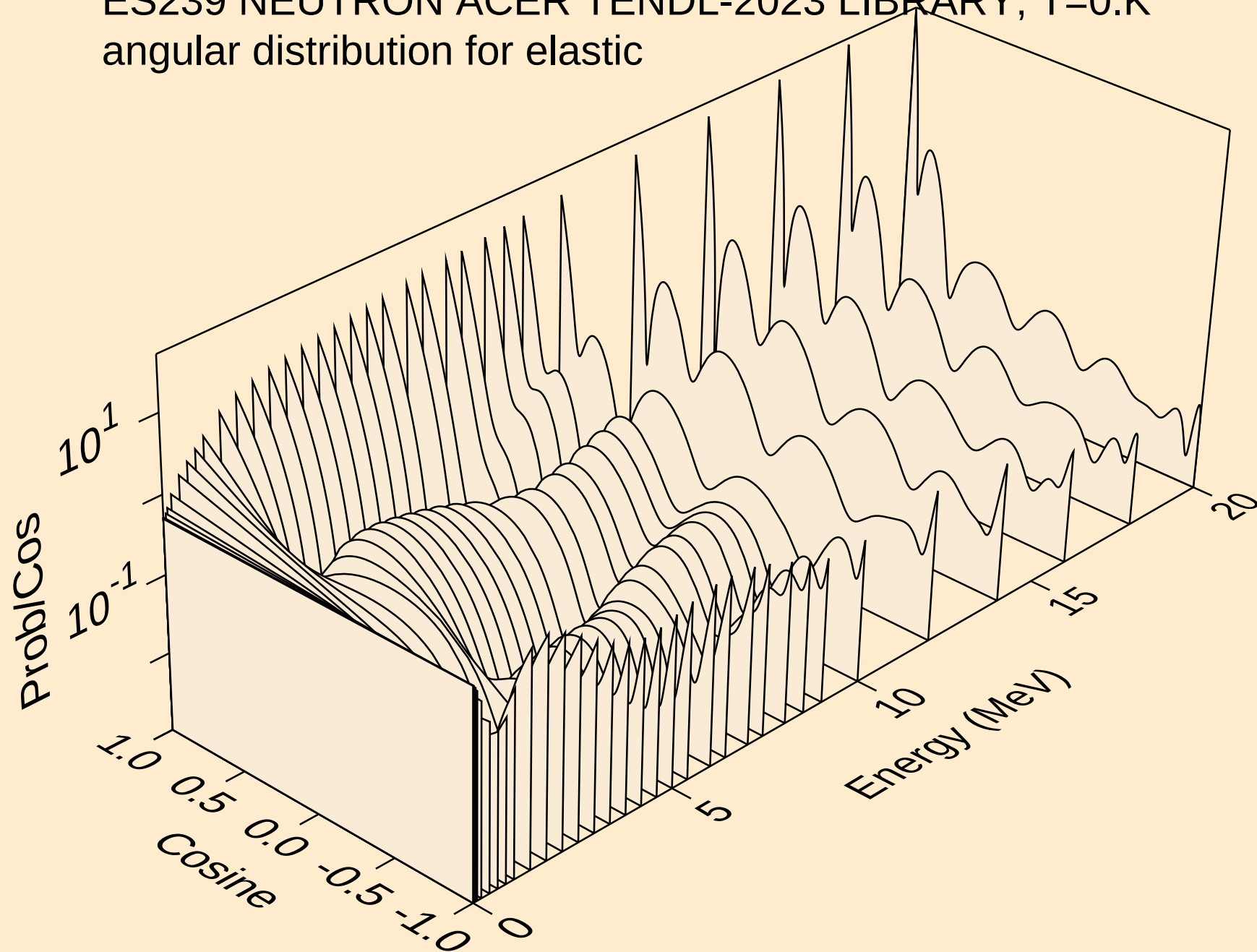


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

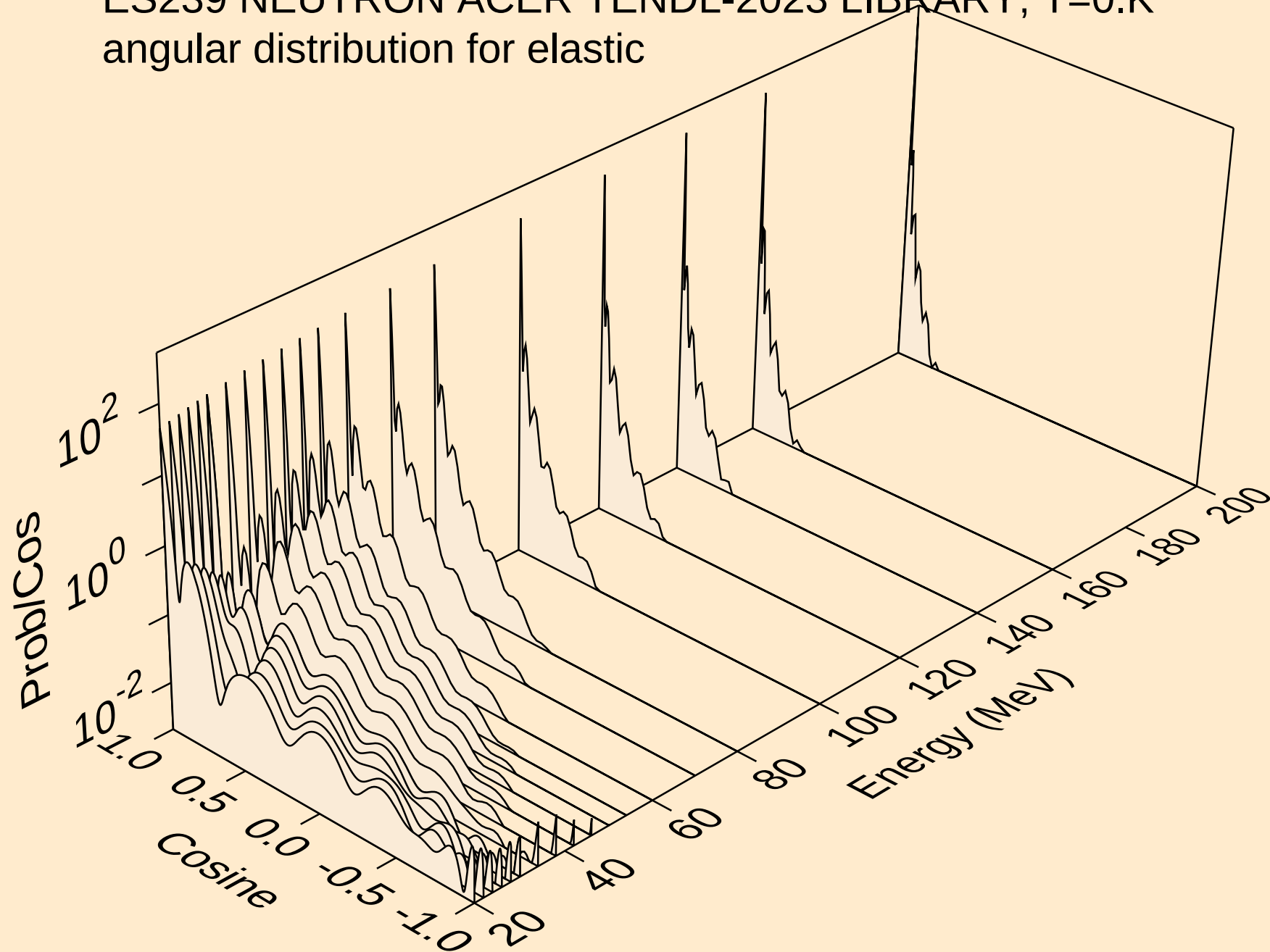
Threshold reactions



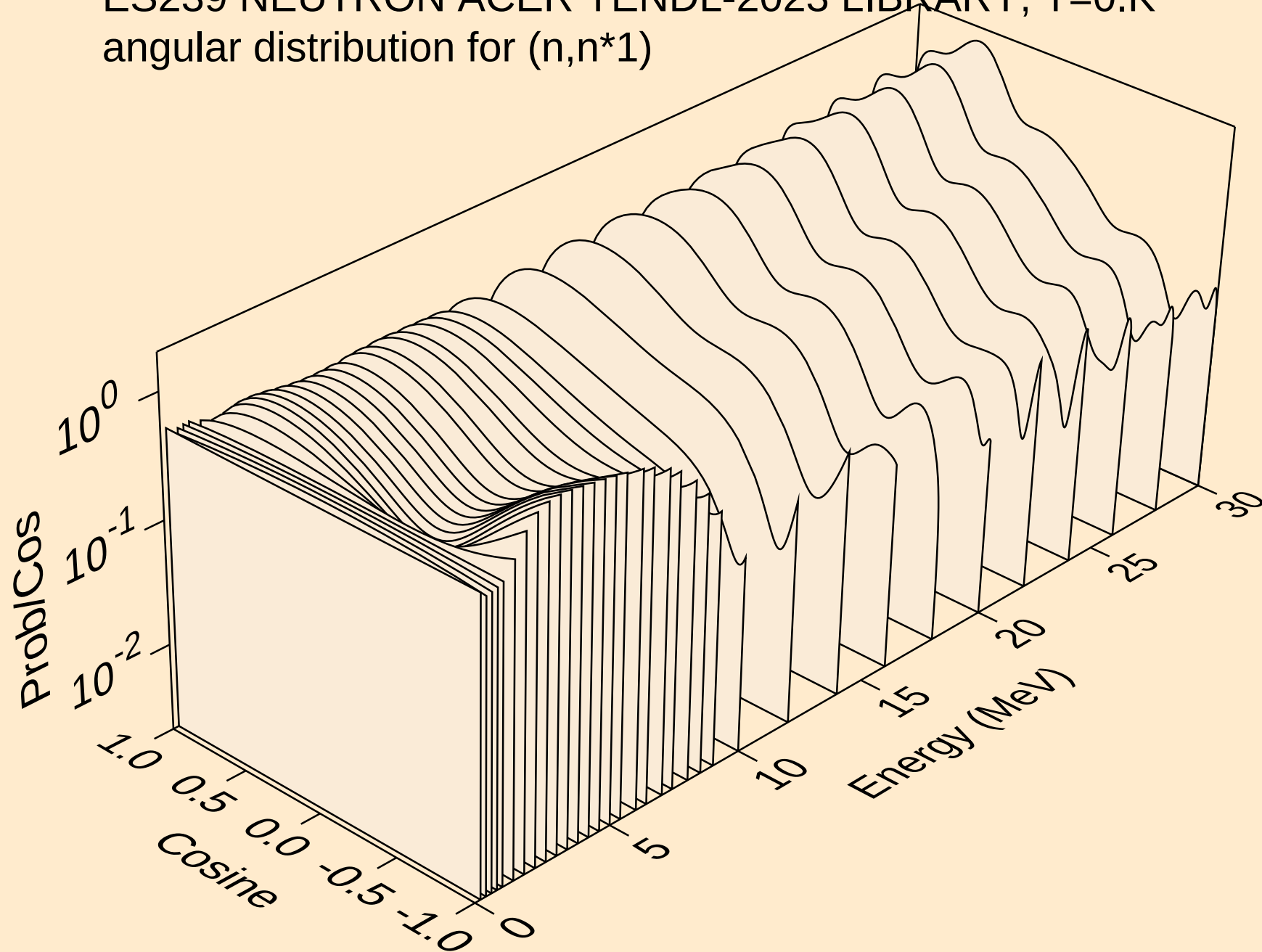
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



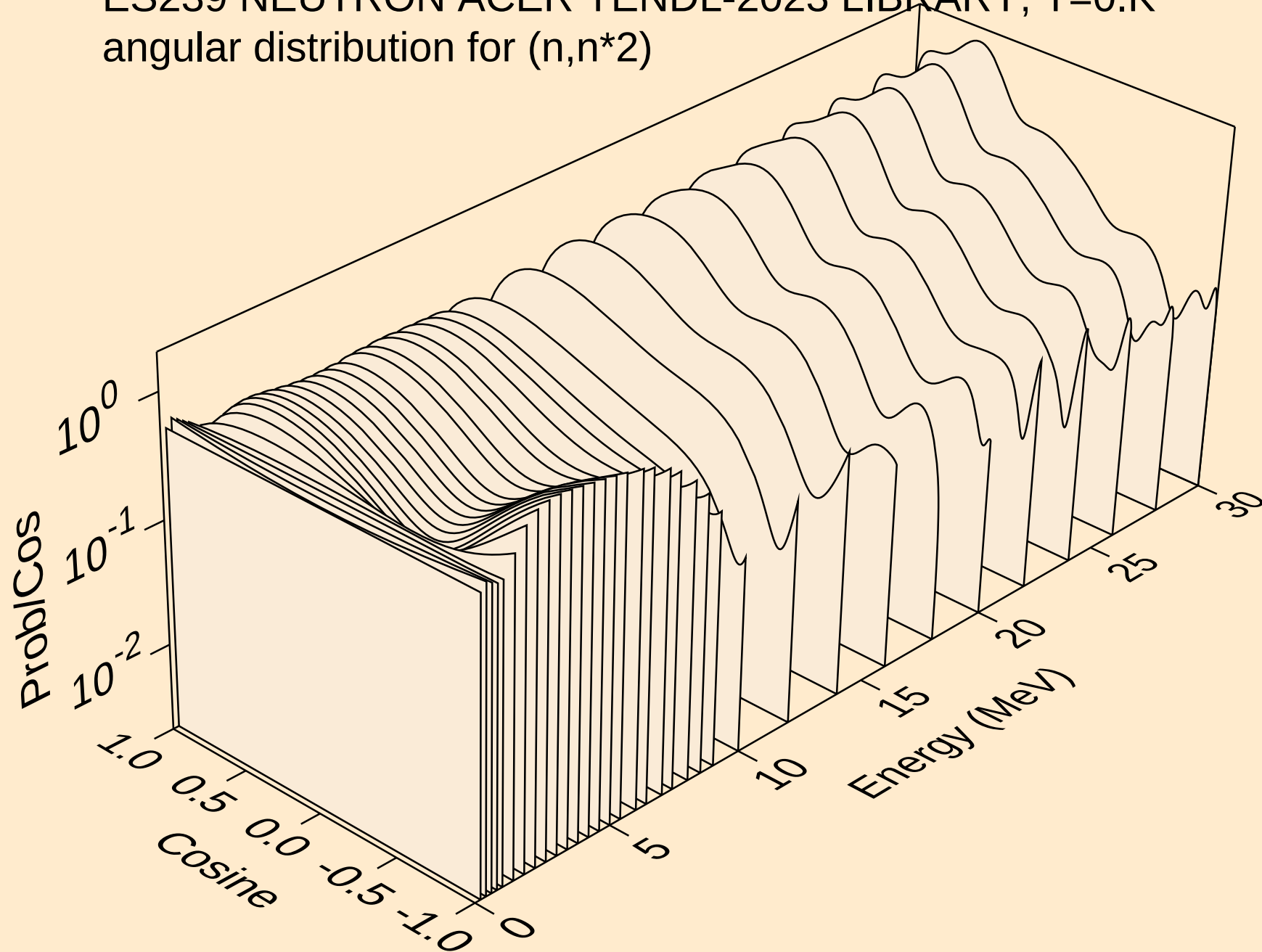
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



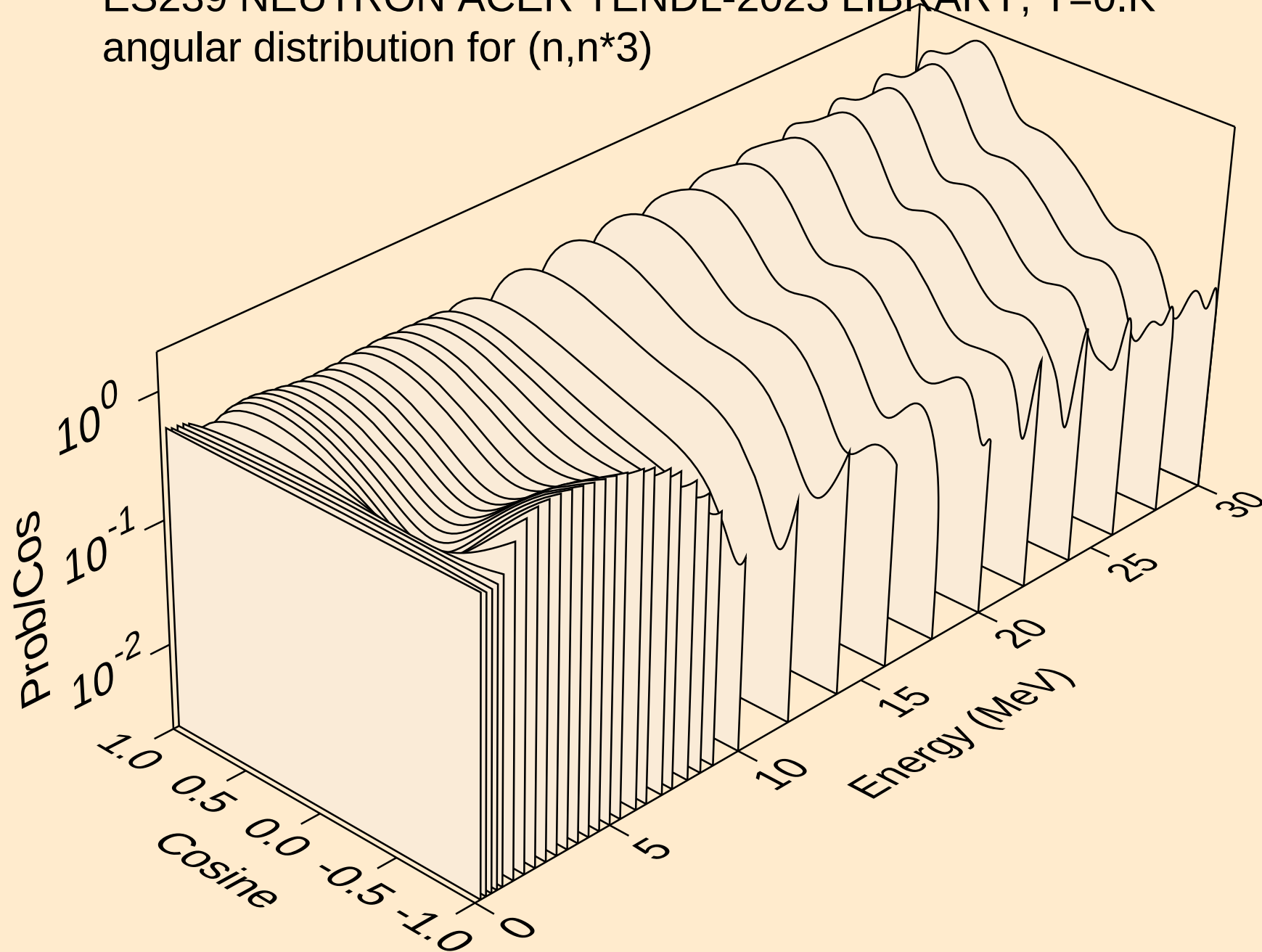
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



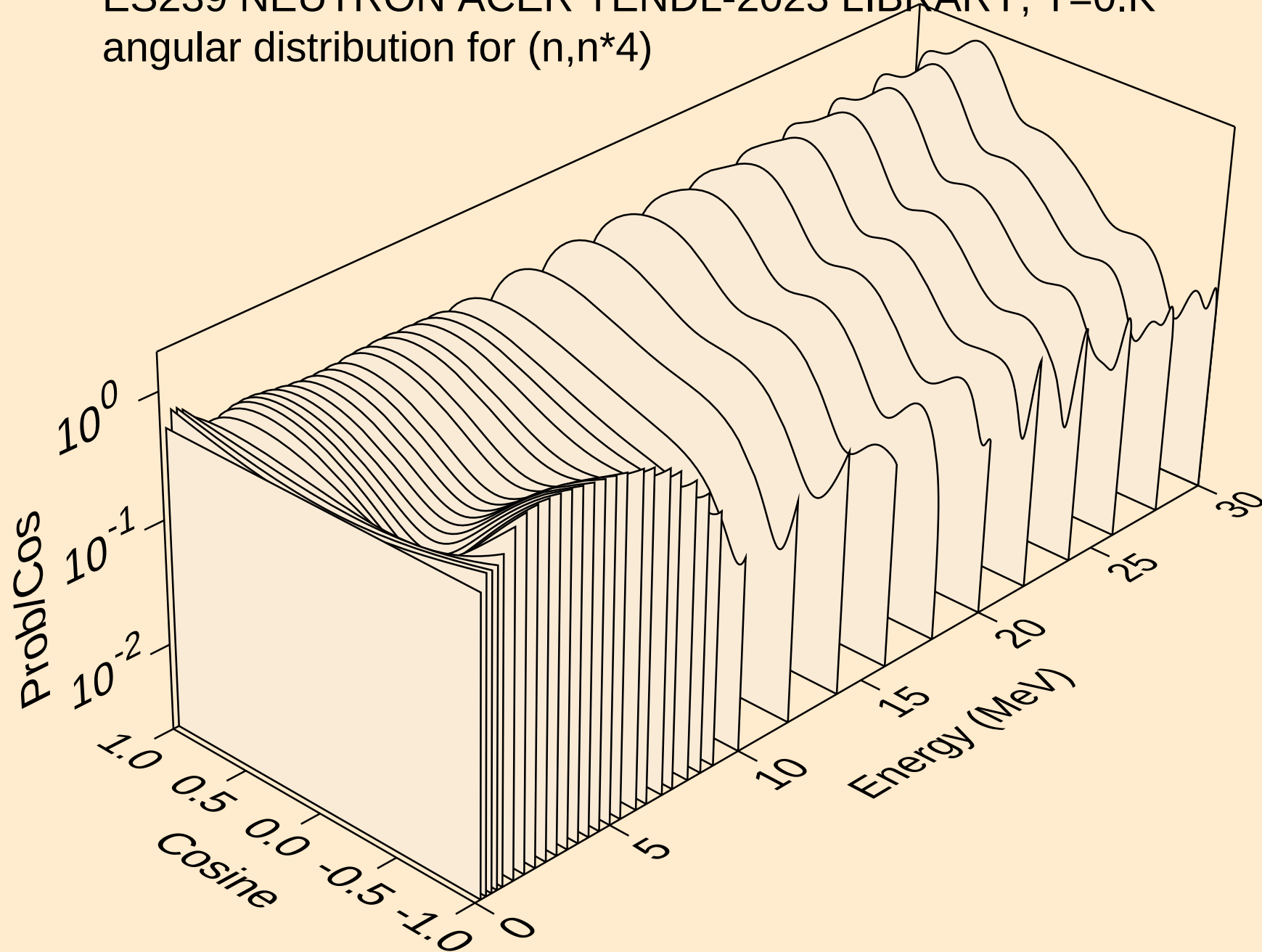
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*)



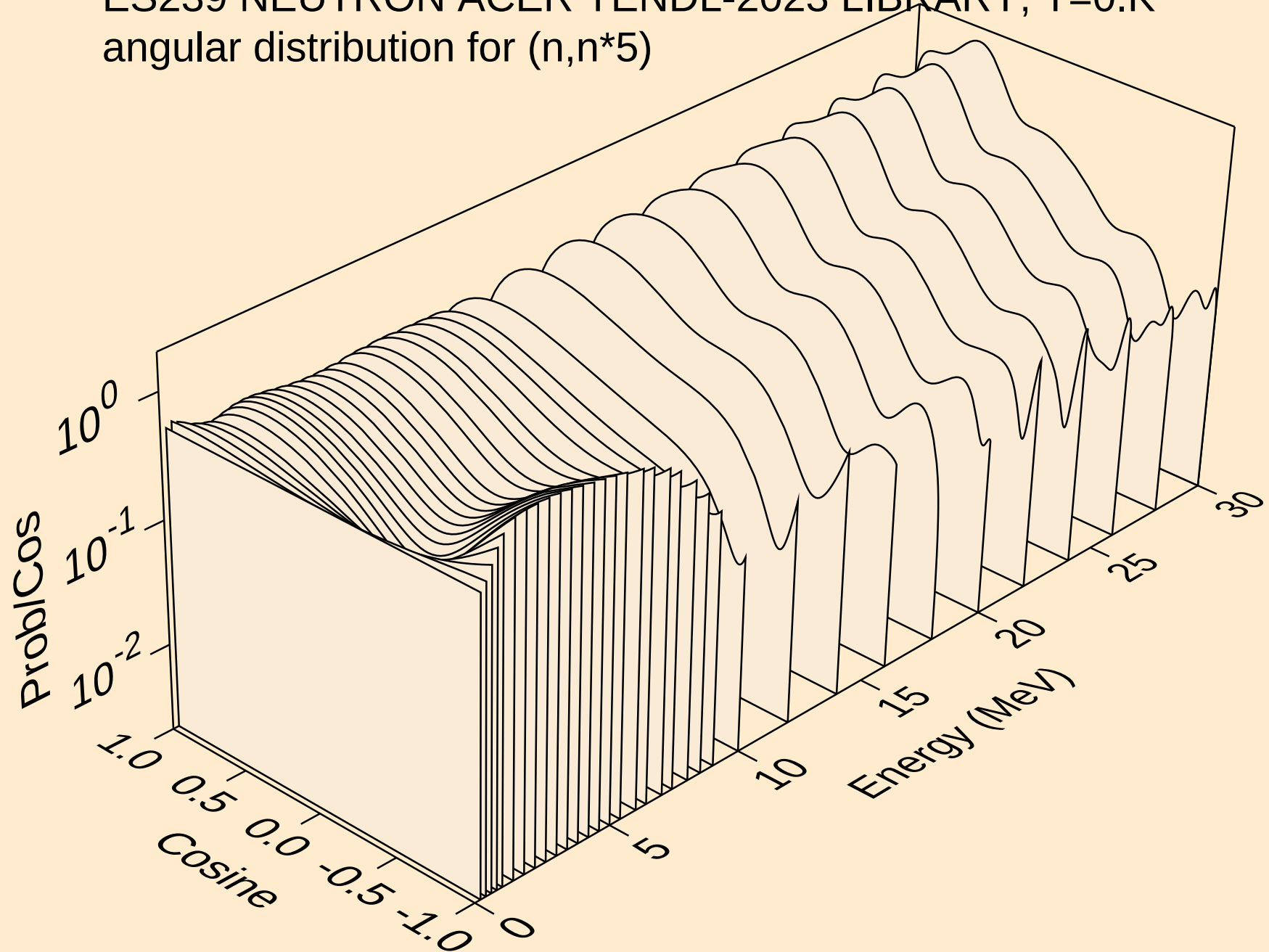
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



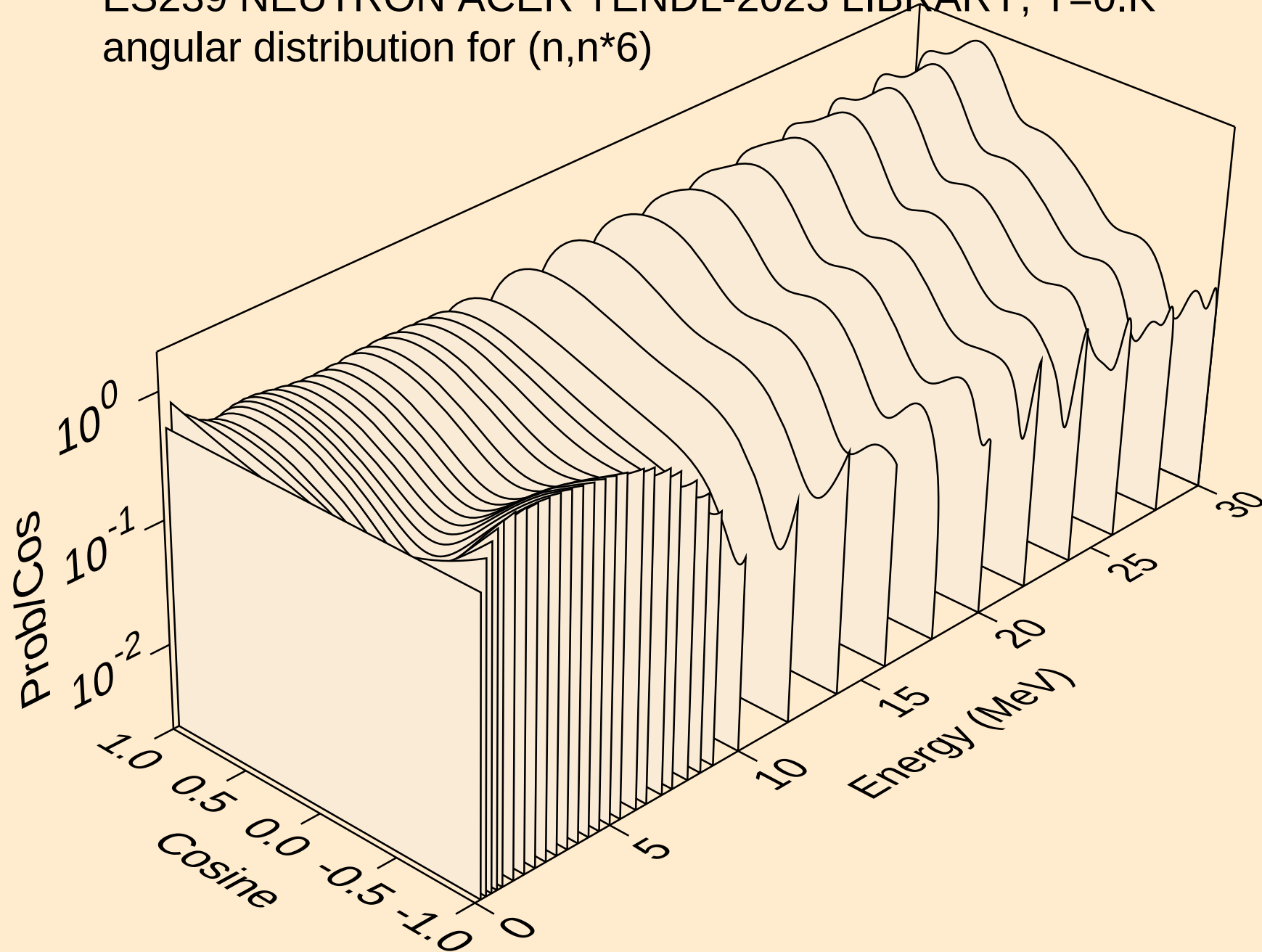
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



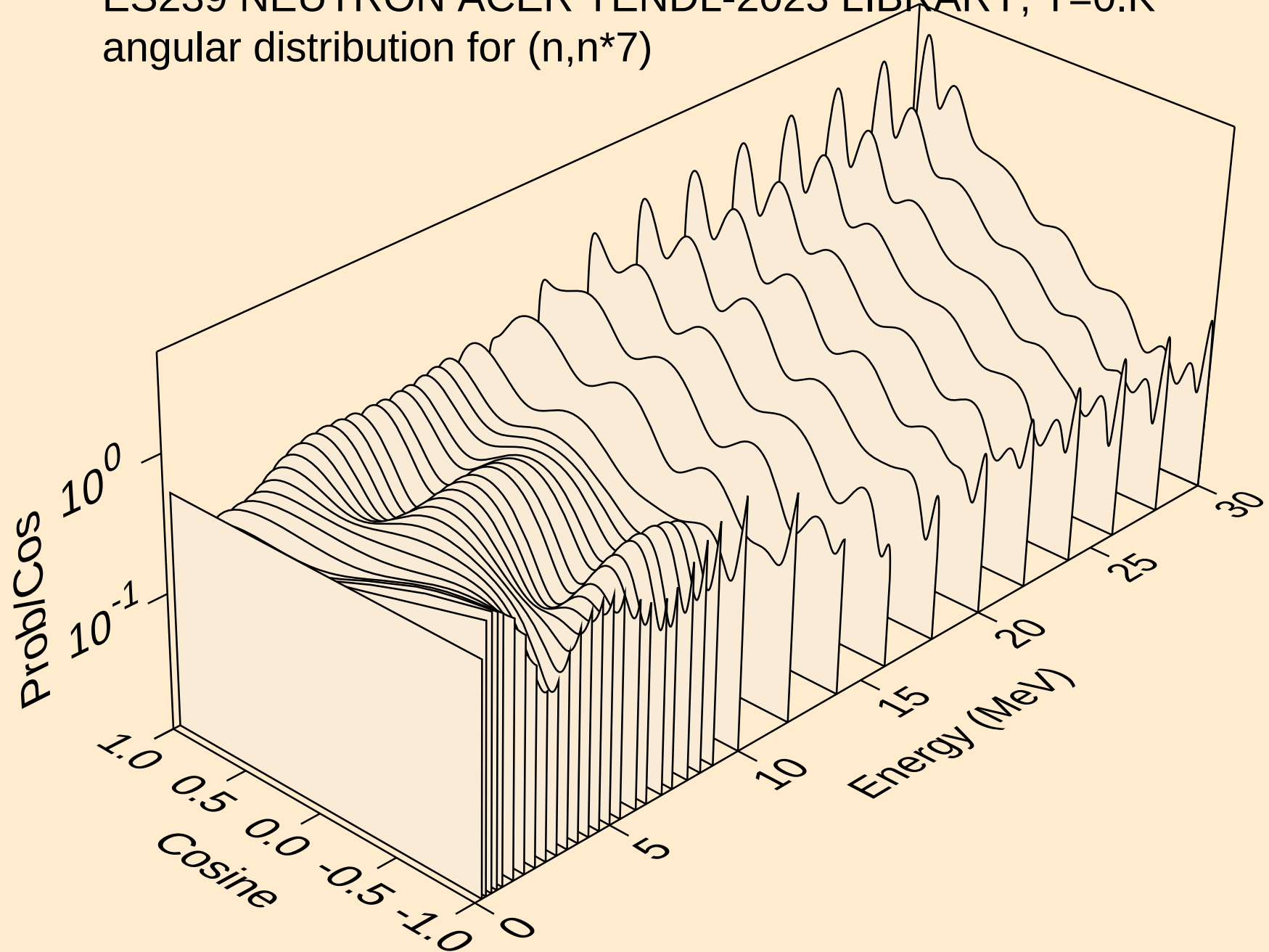
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



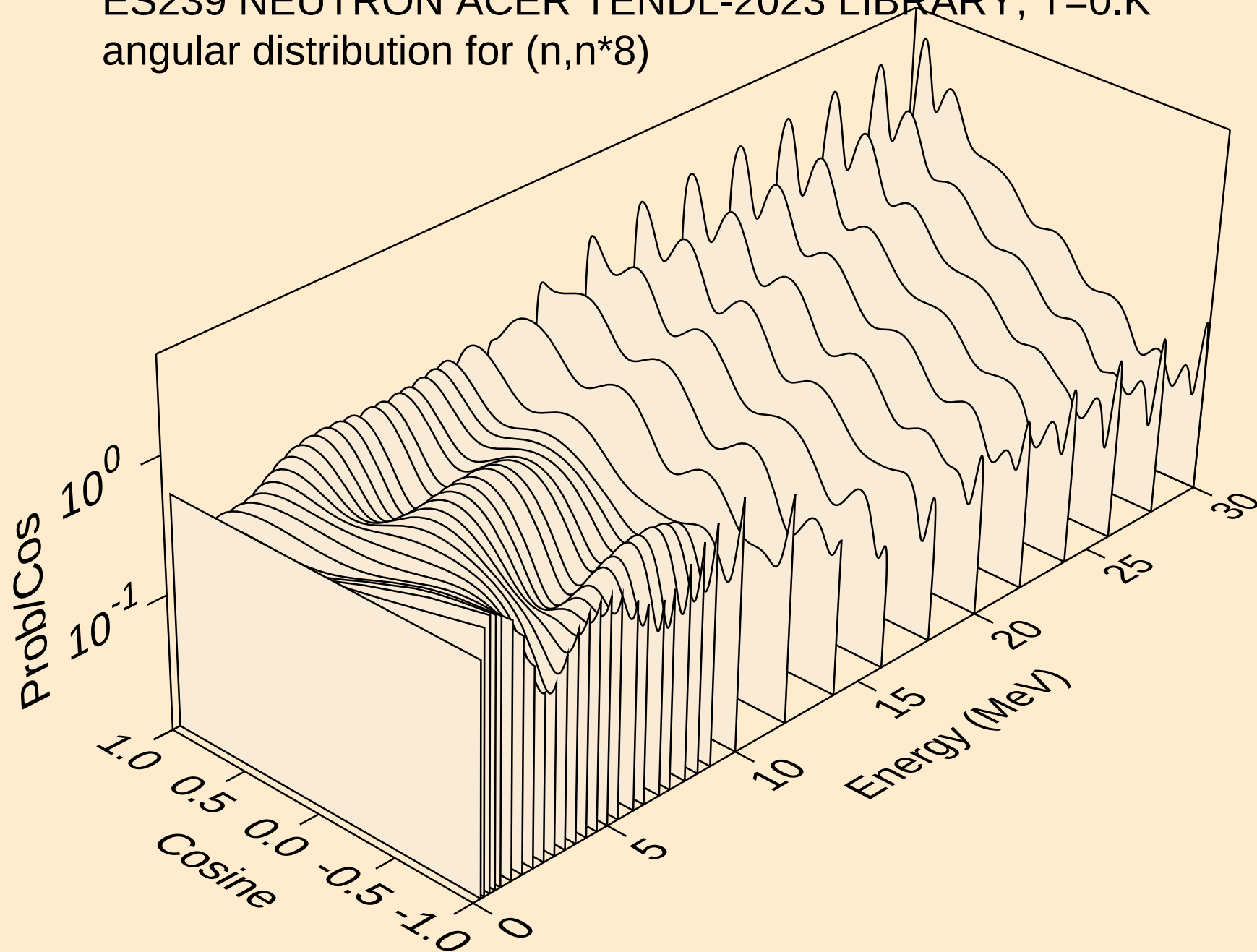
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



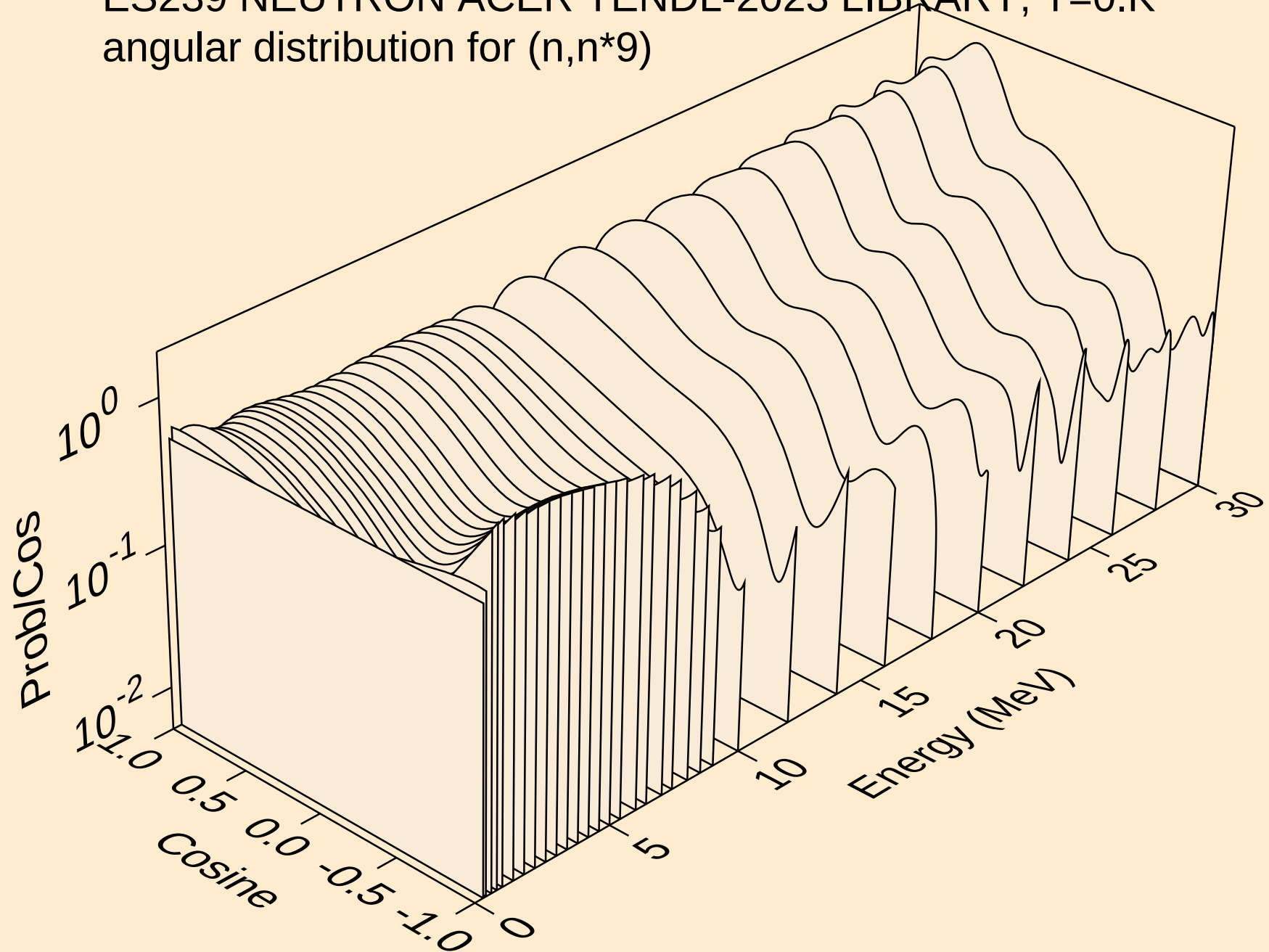
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



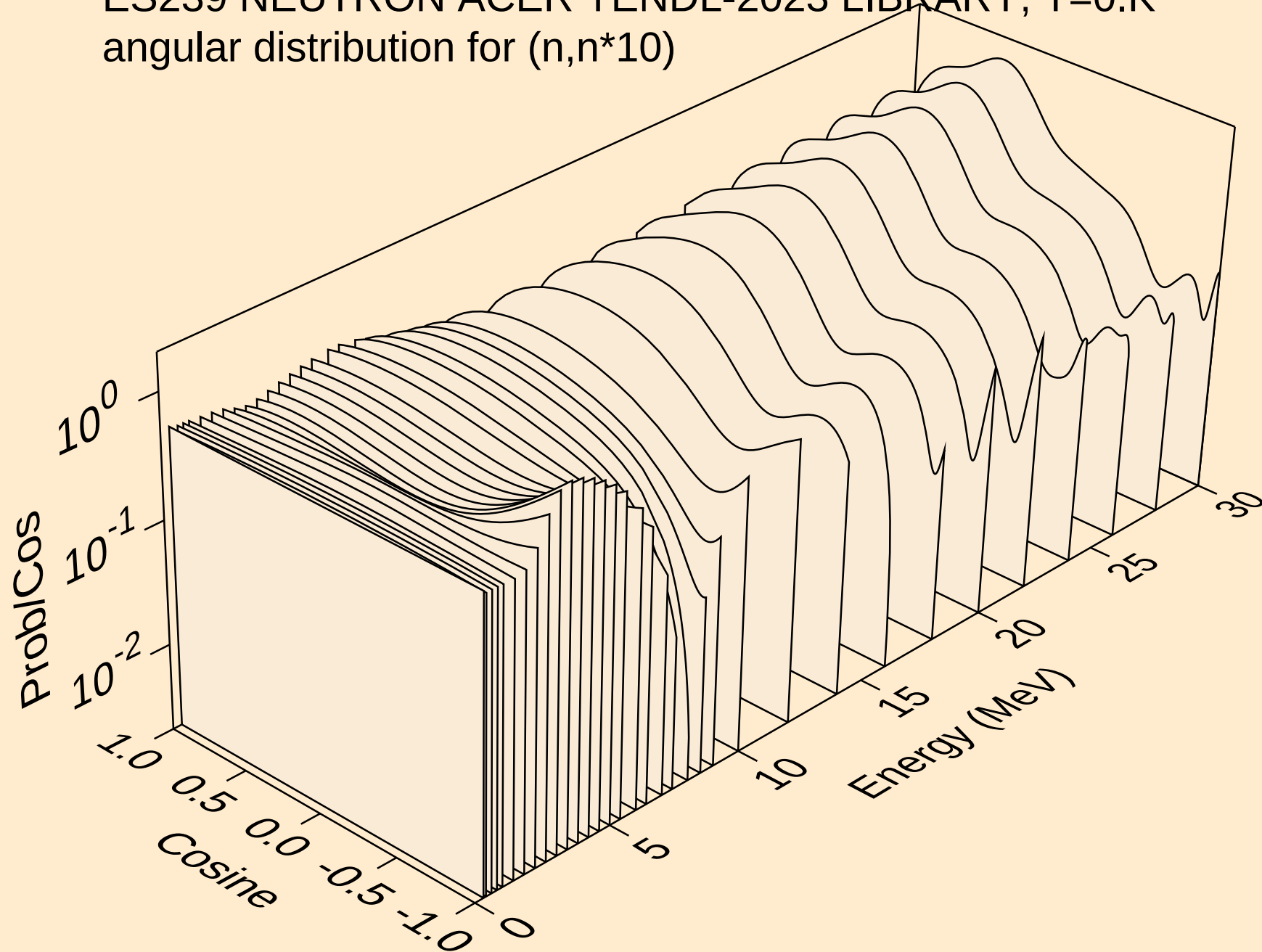
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



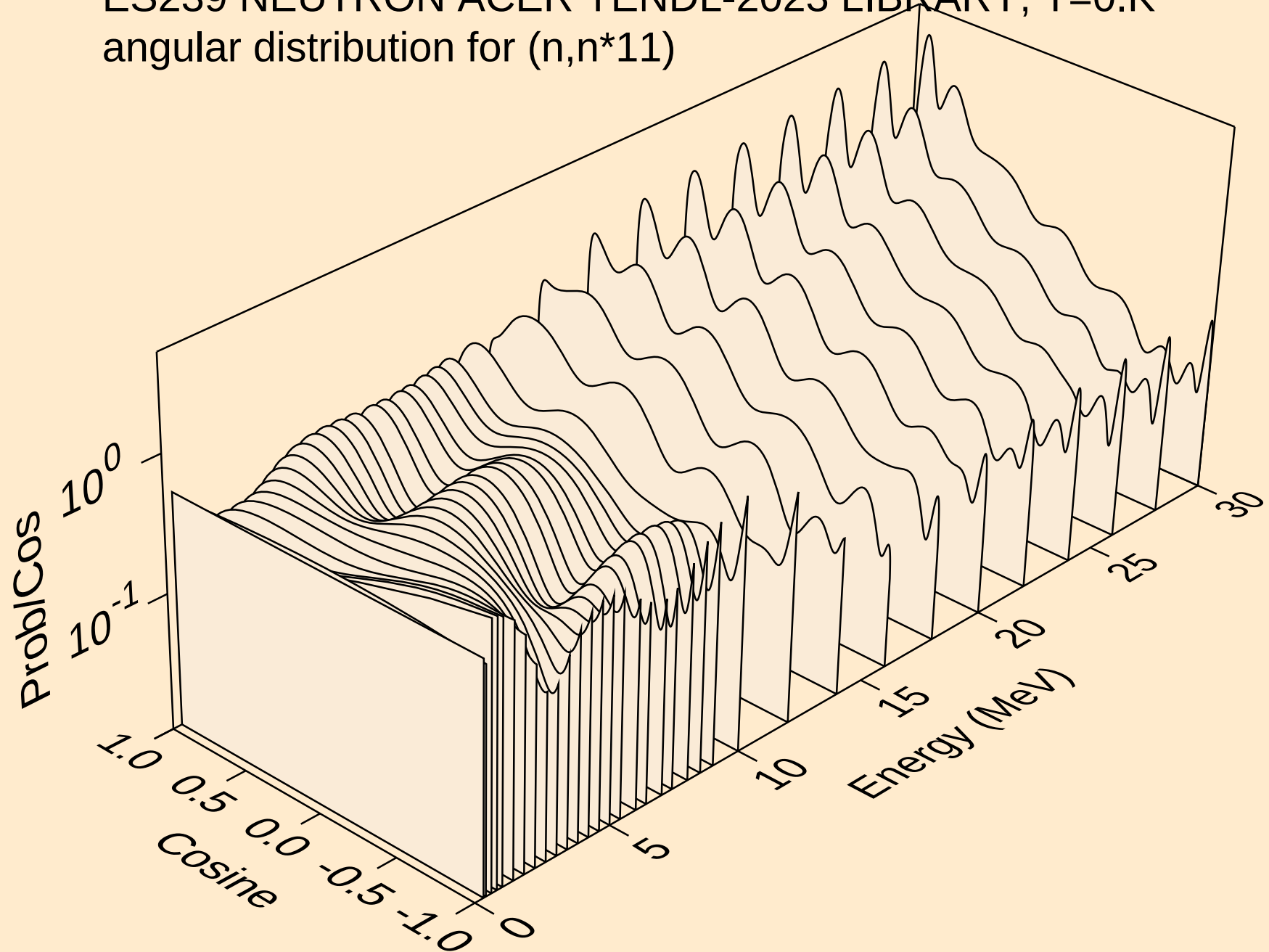
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



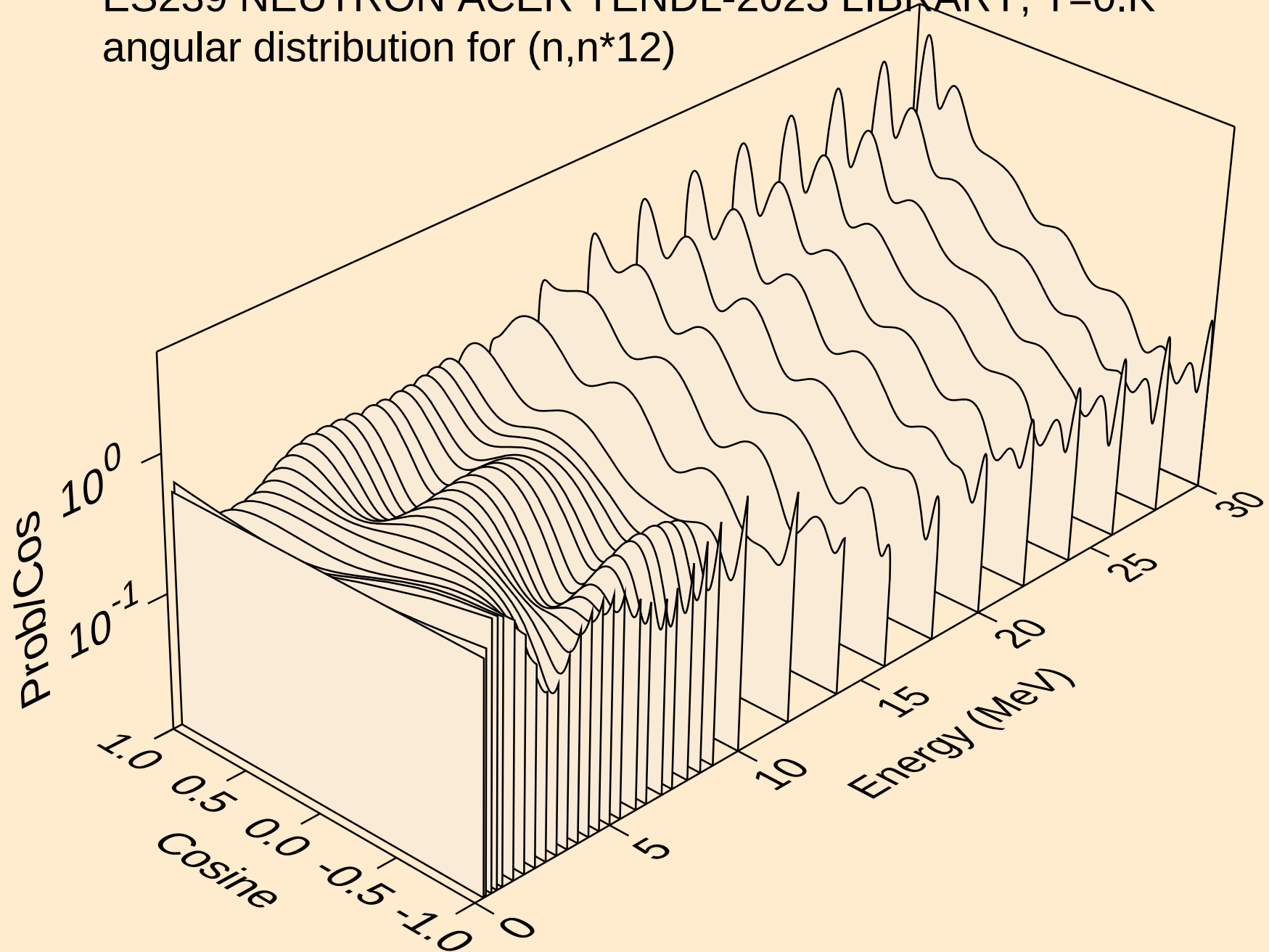
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



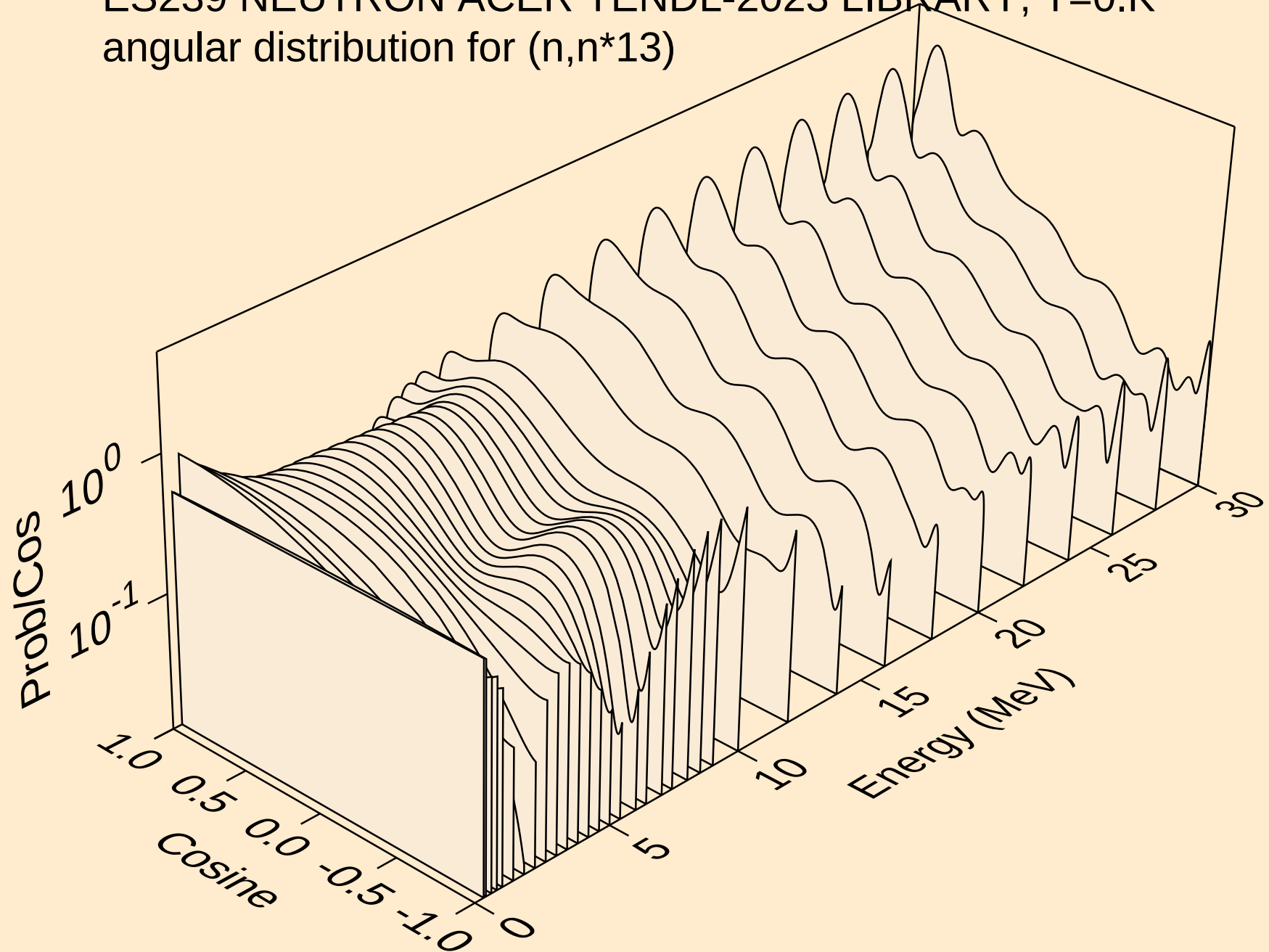
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*11)



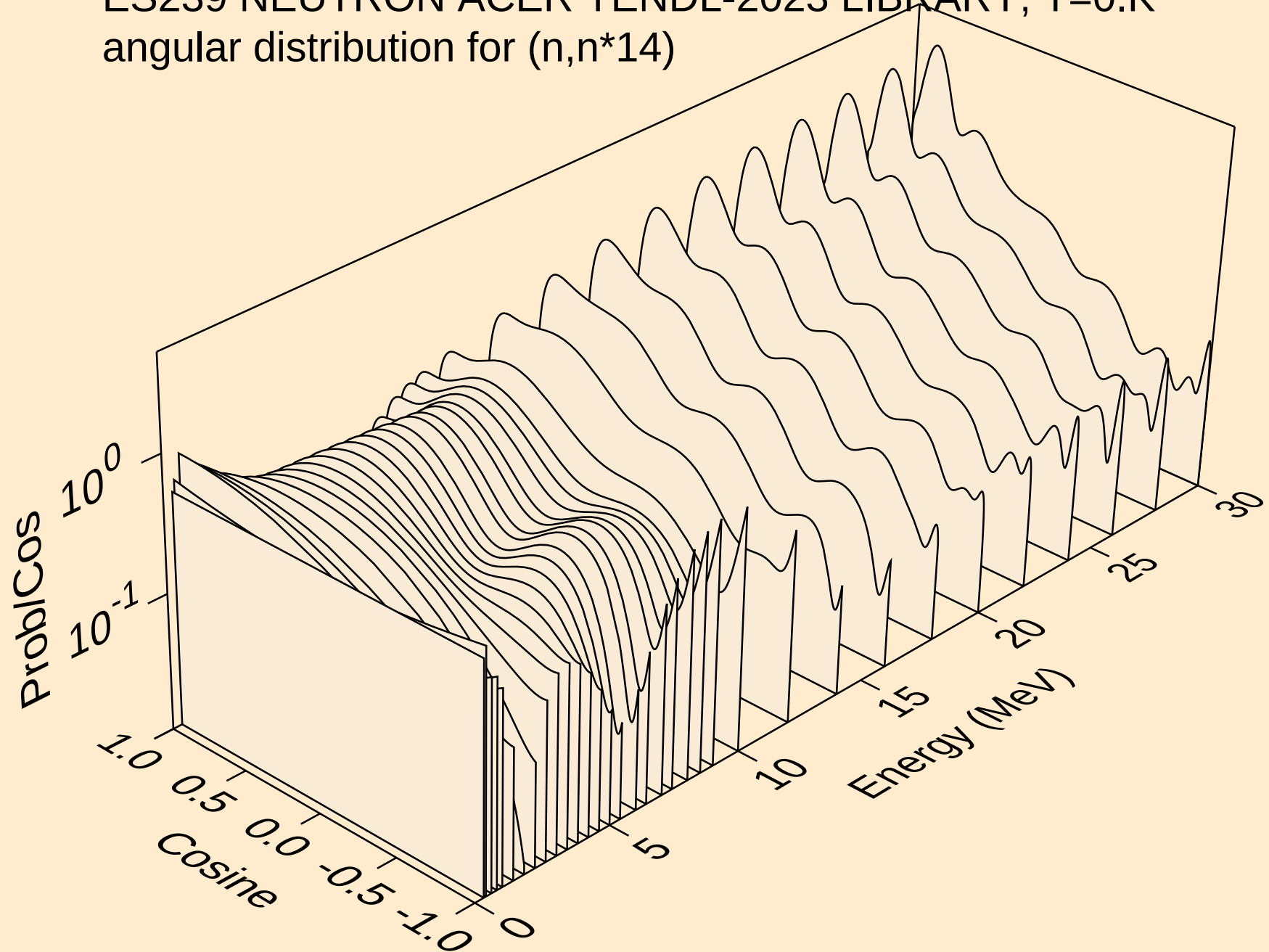
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



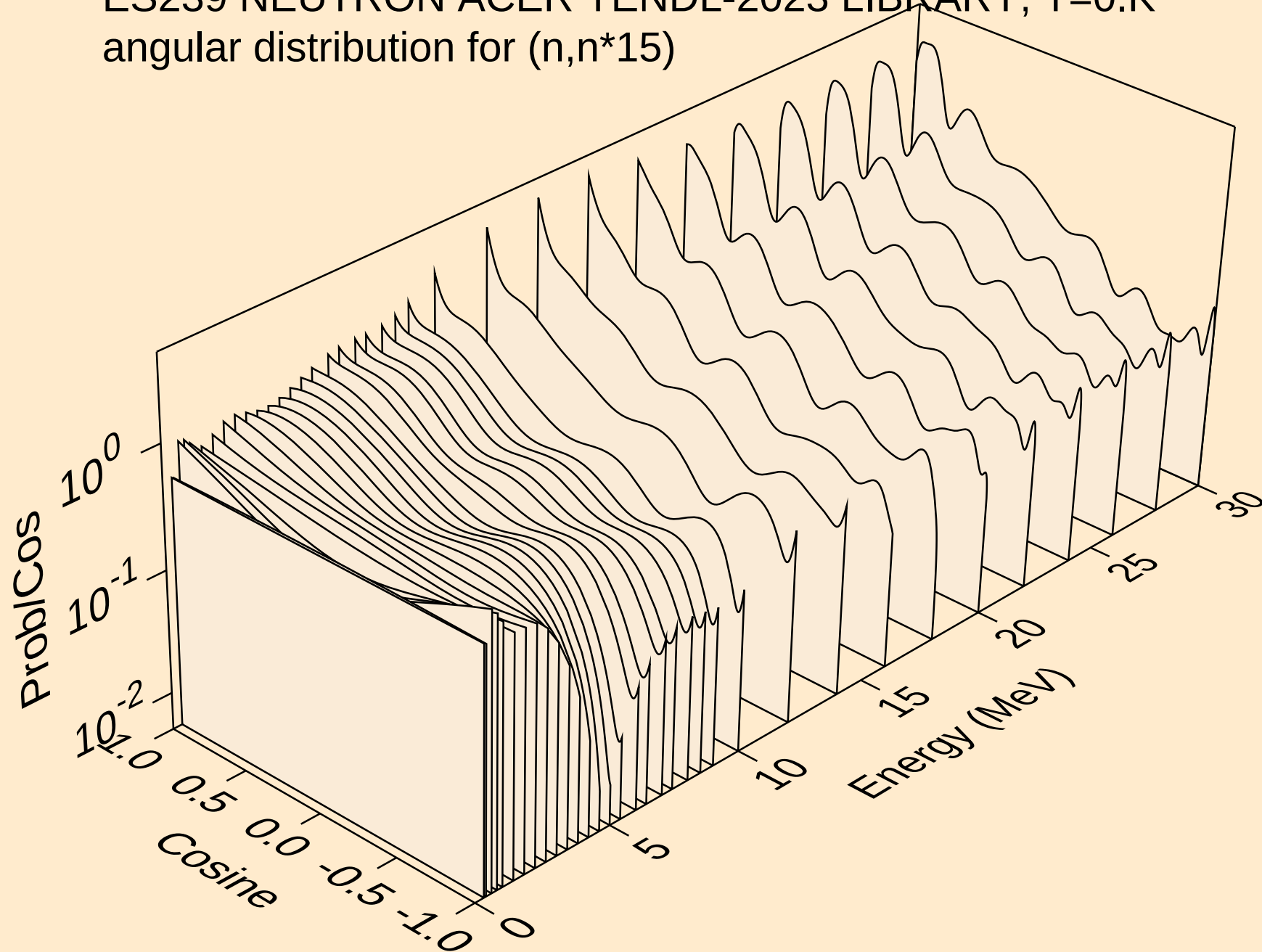
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



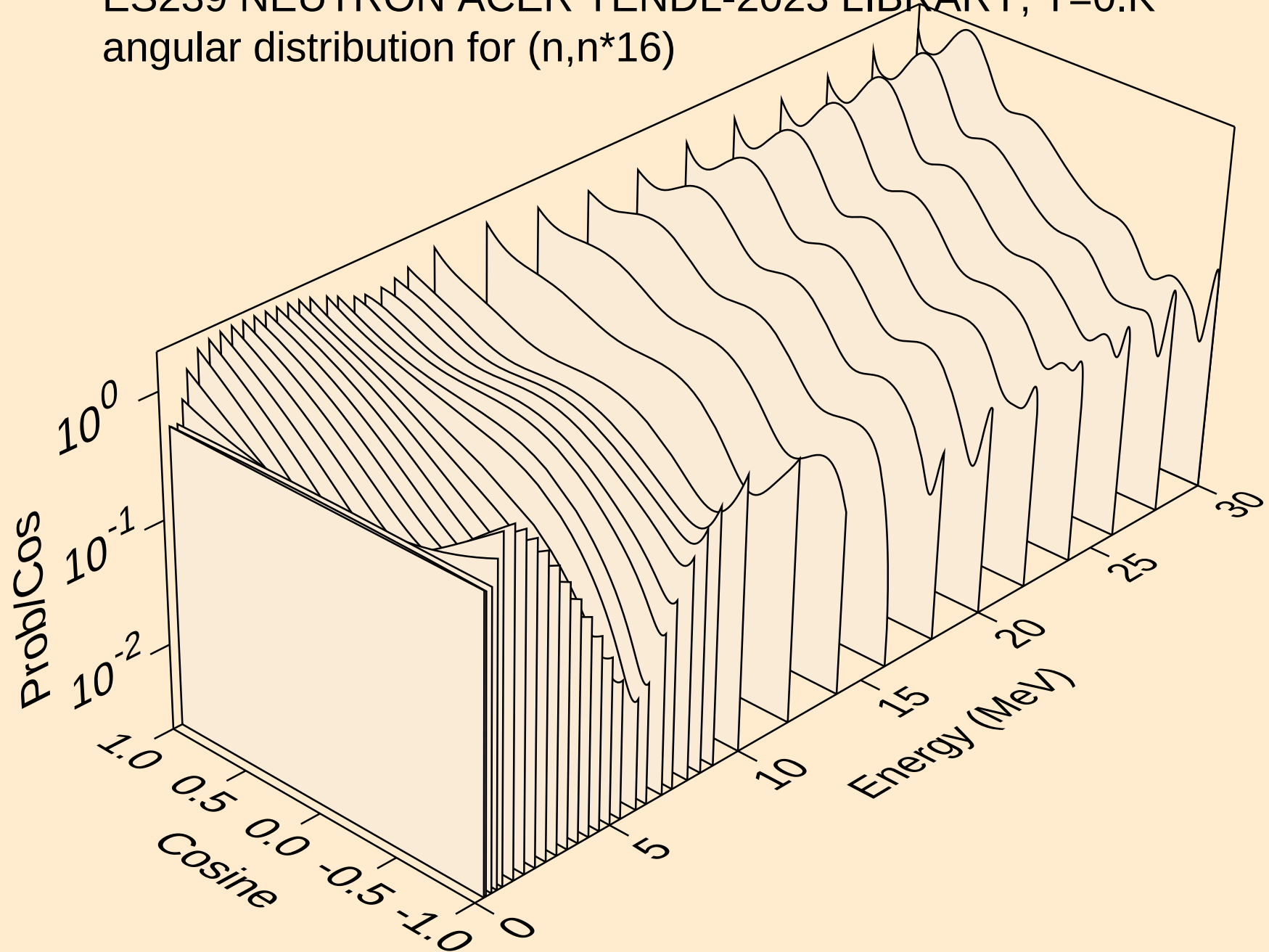
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



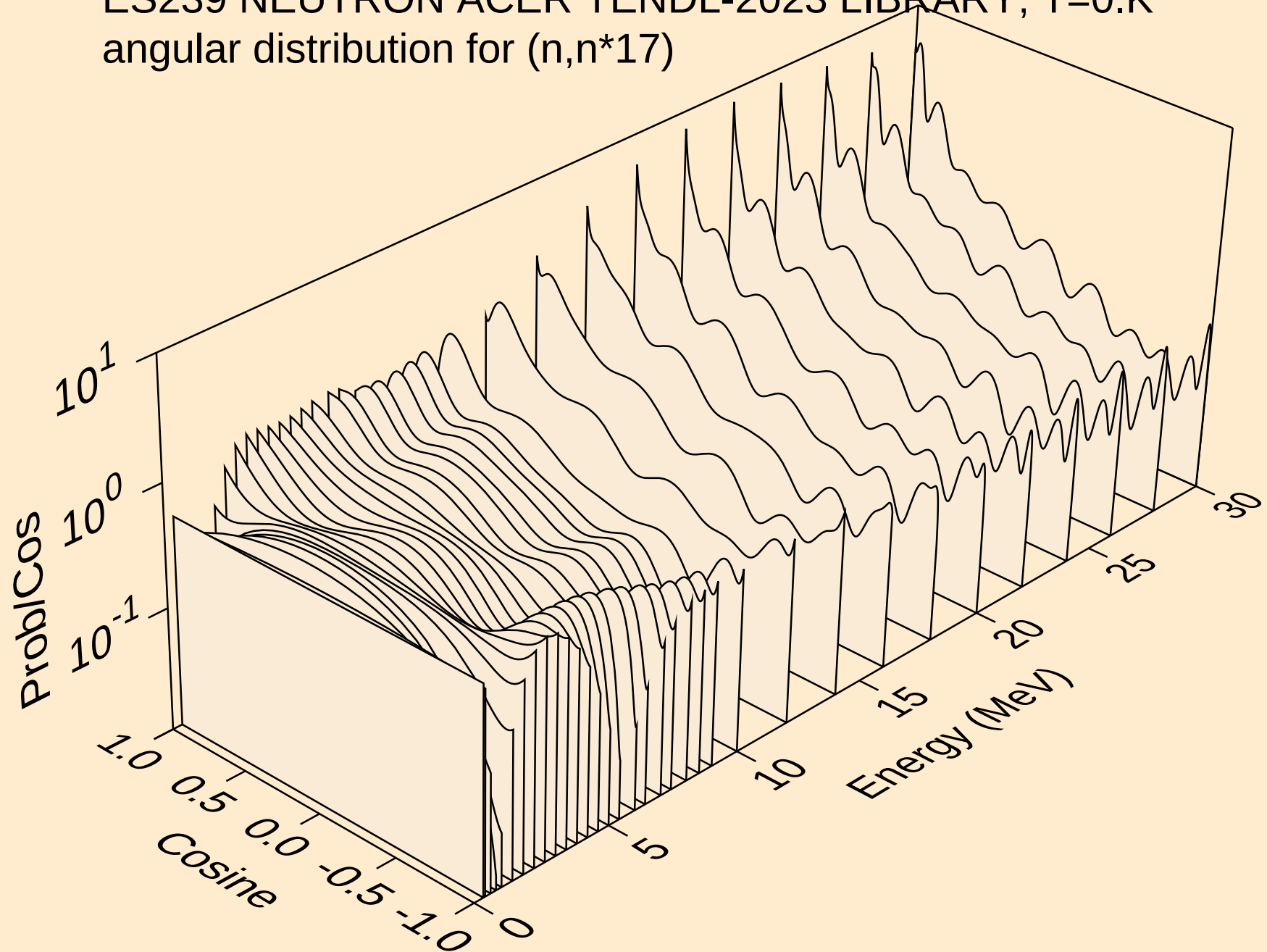
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



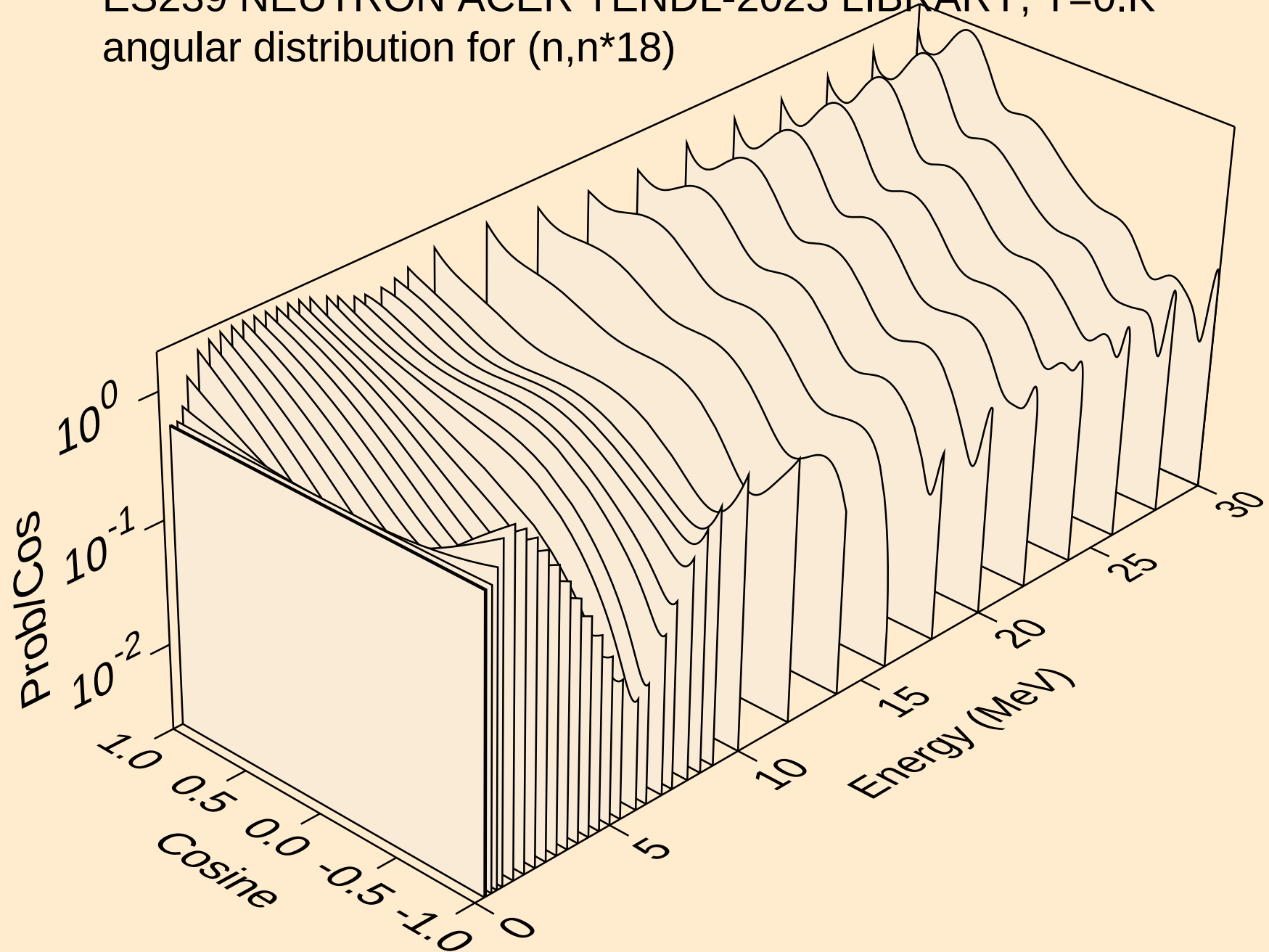
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*16)



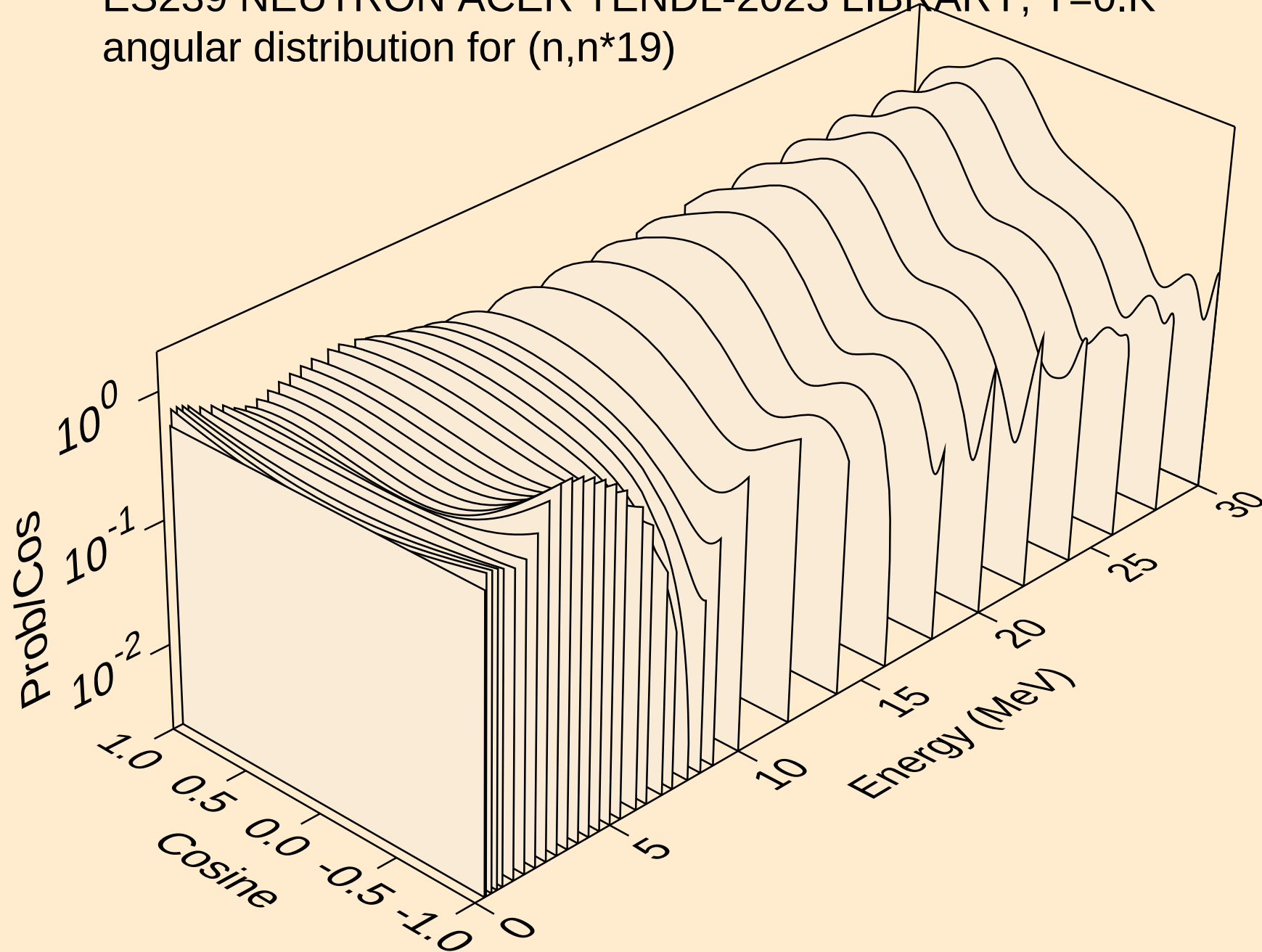
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*17)



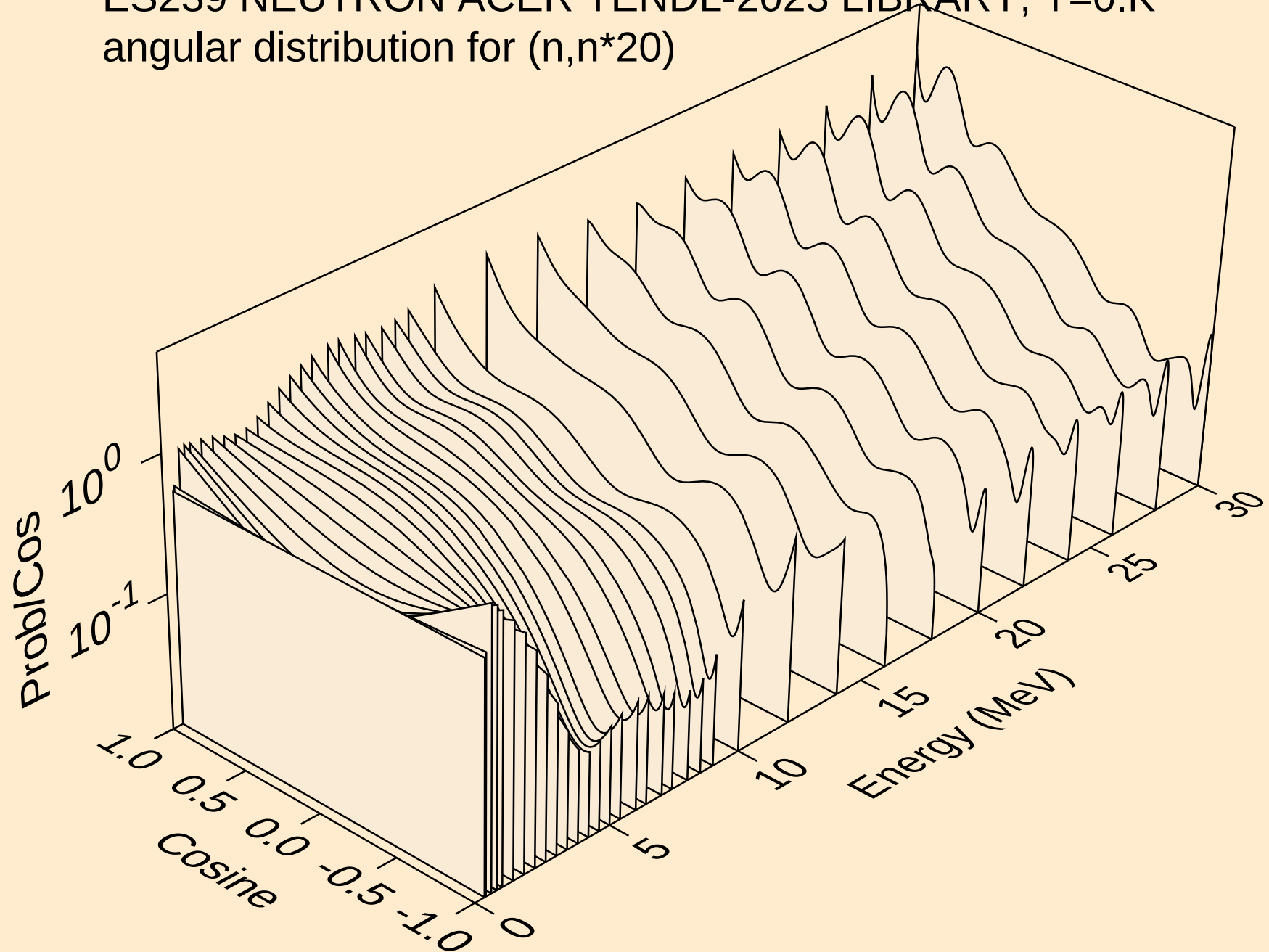
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*18)



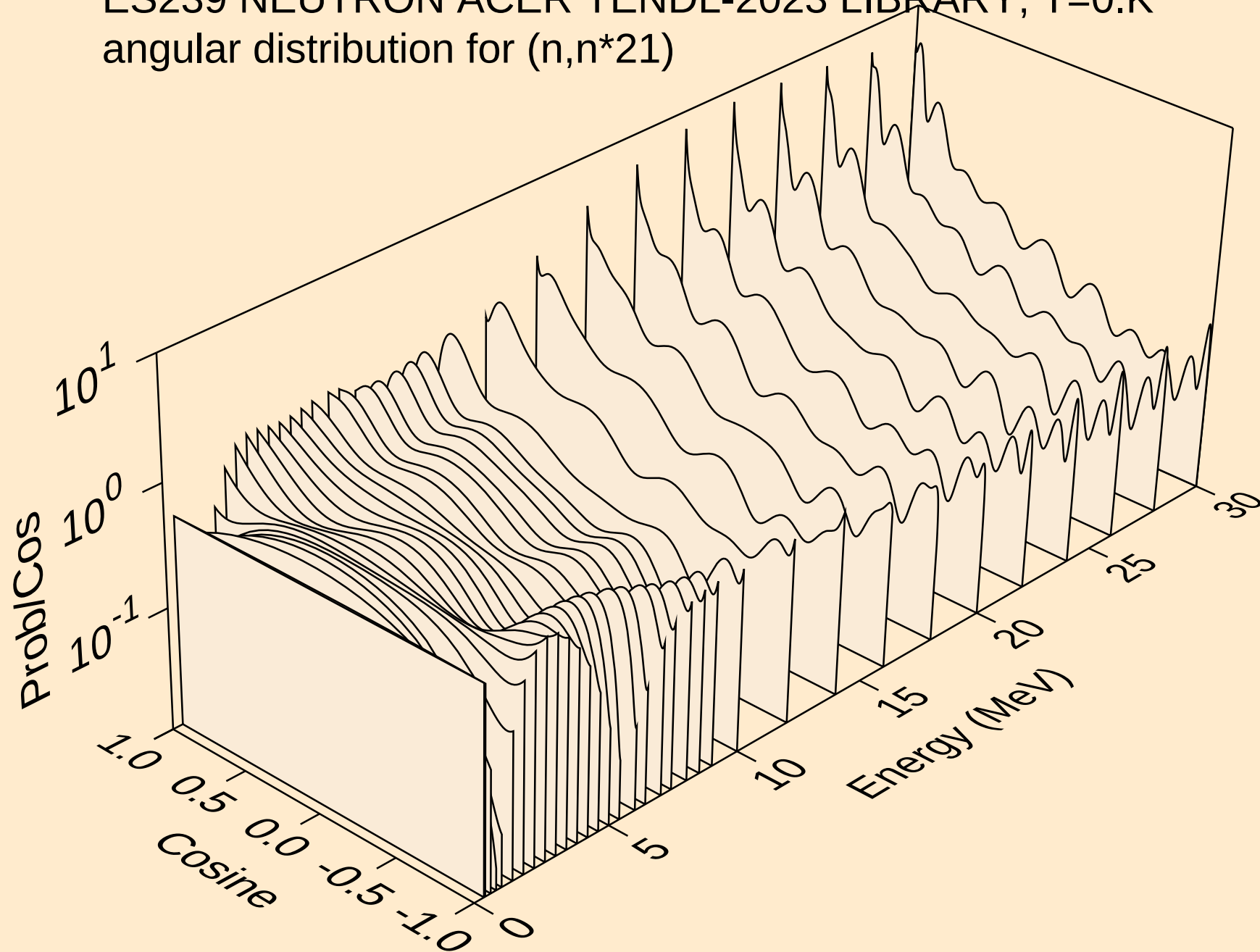
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*19)



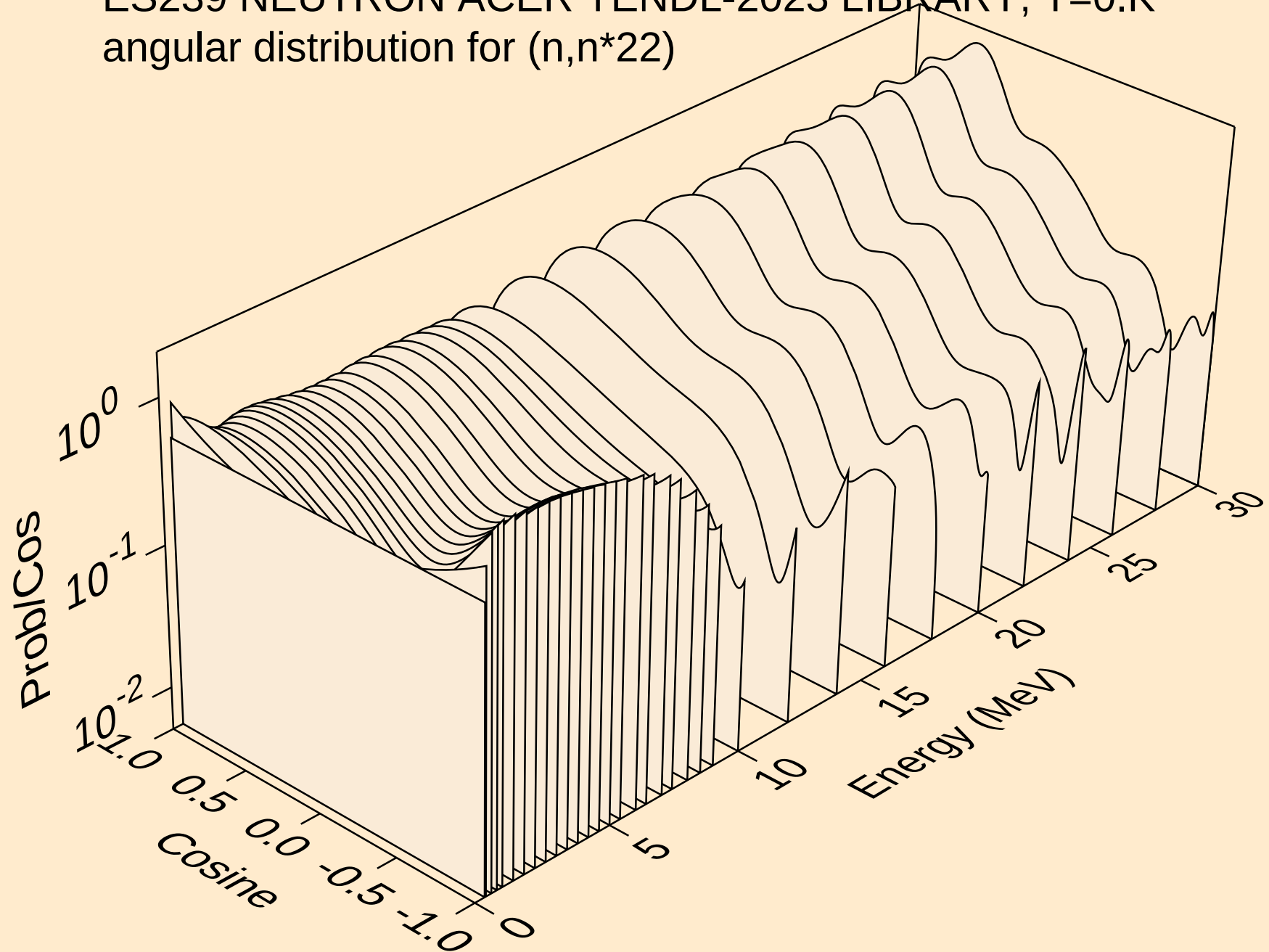
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*20)



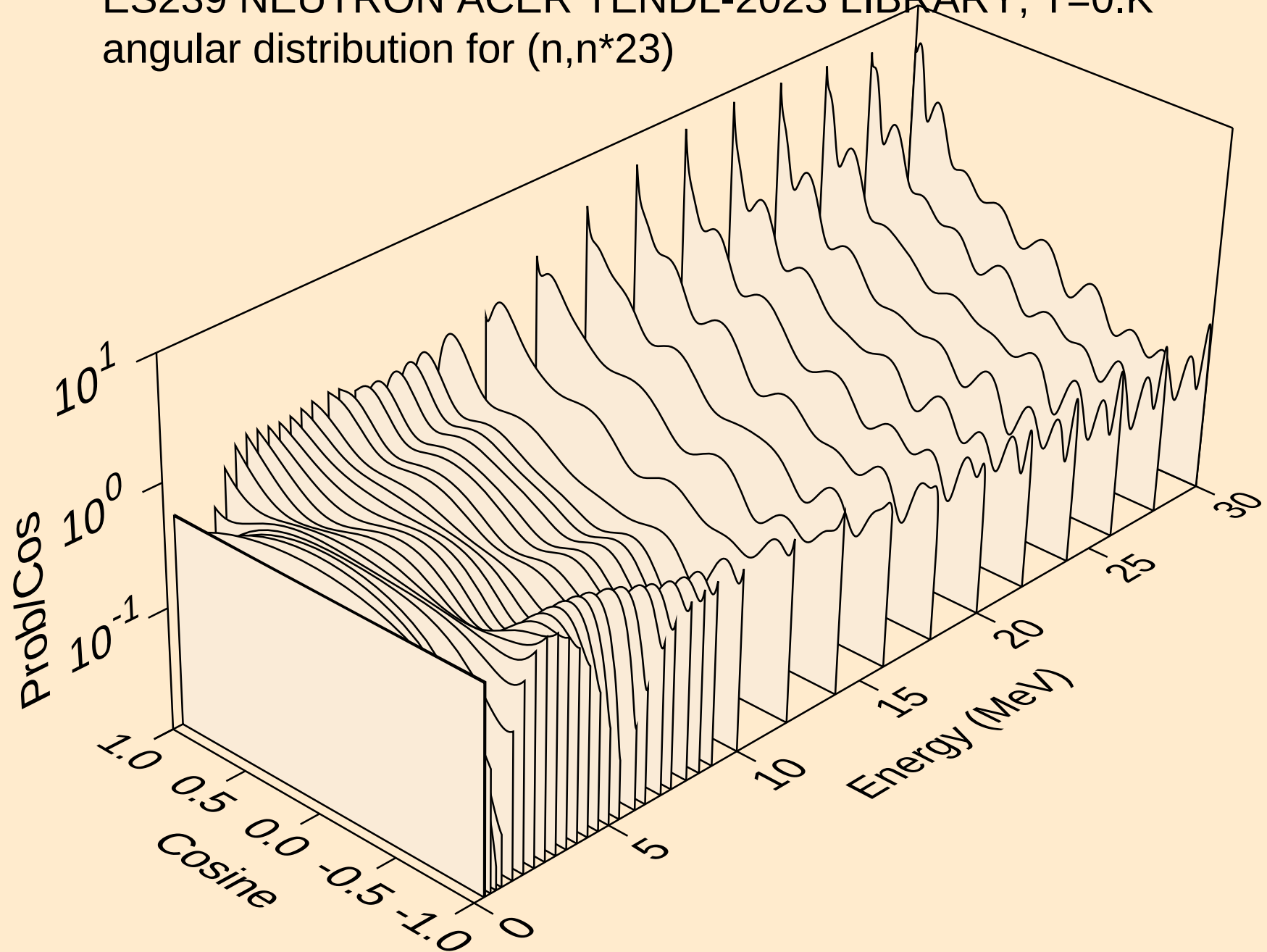
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*21)



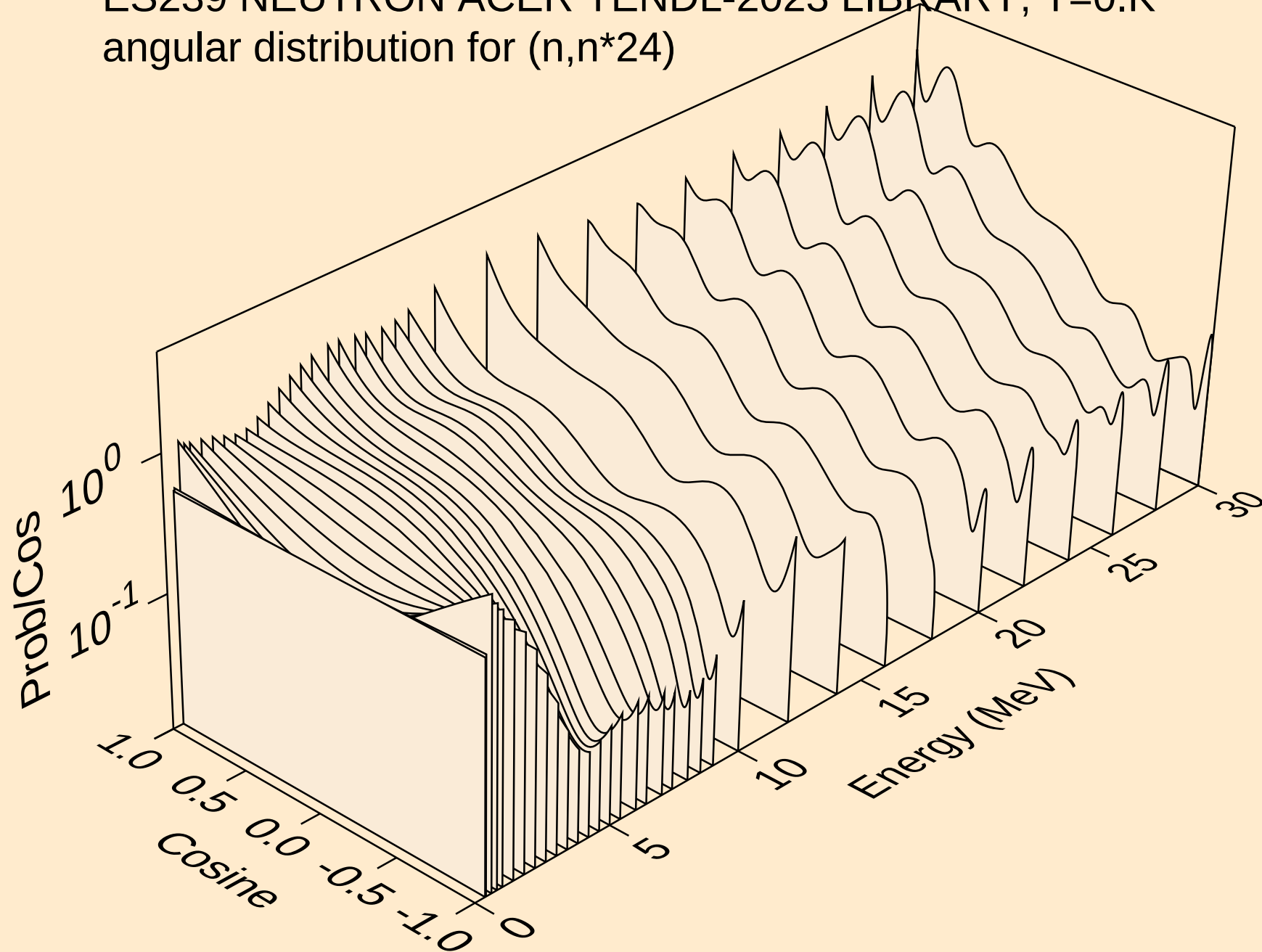
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*22)



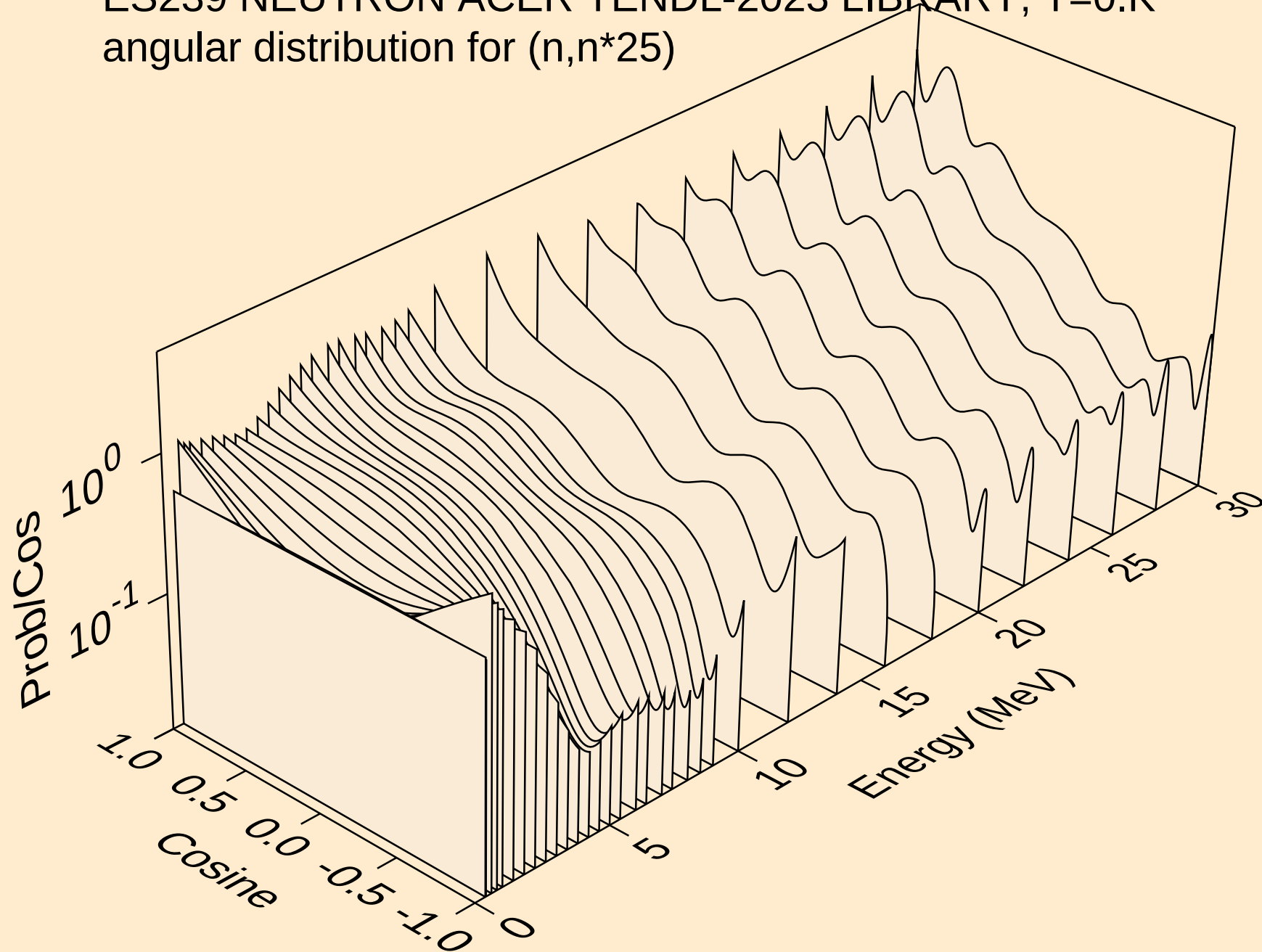
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*23)



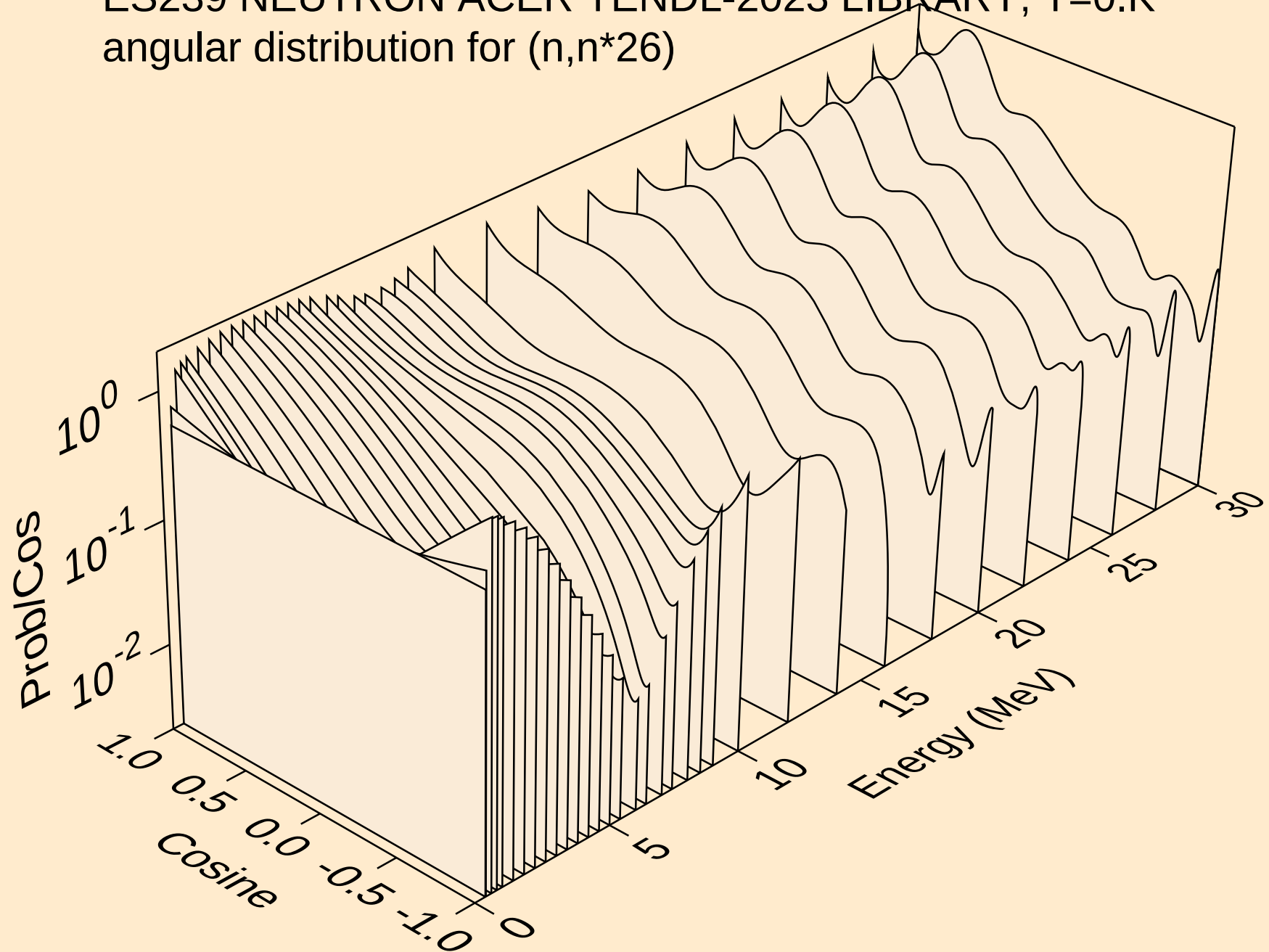
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*24)



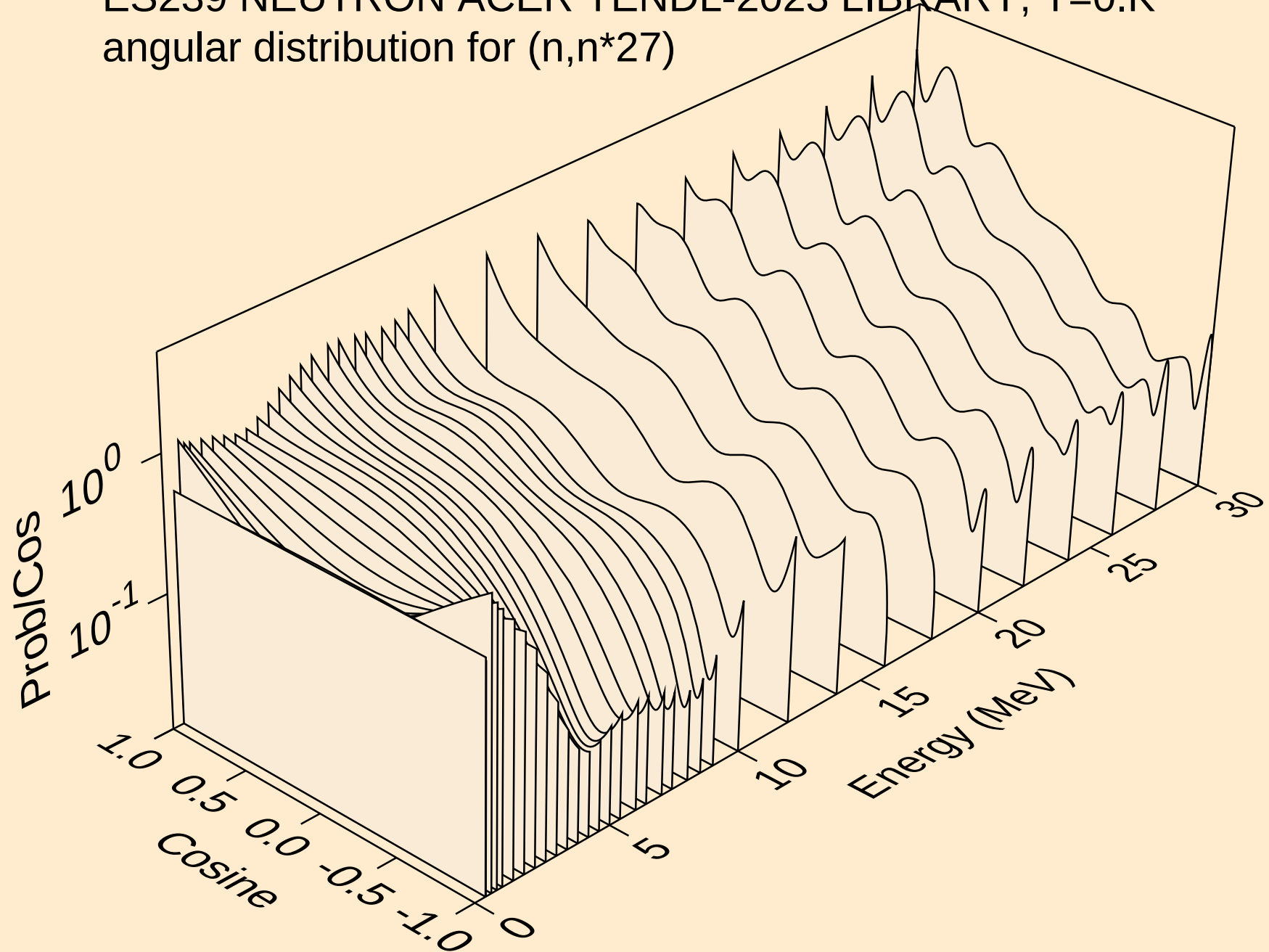
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



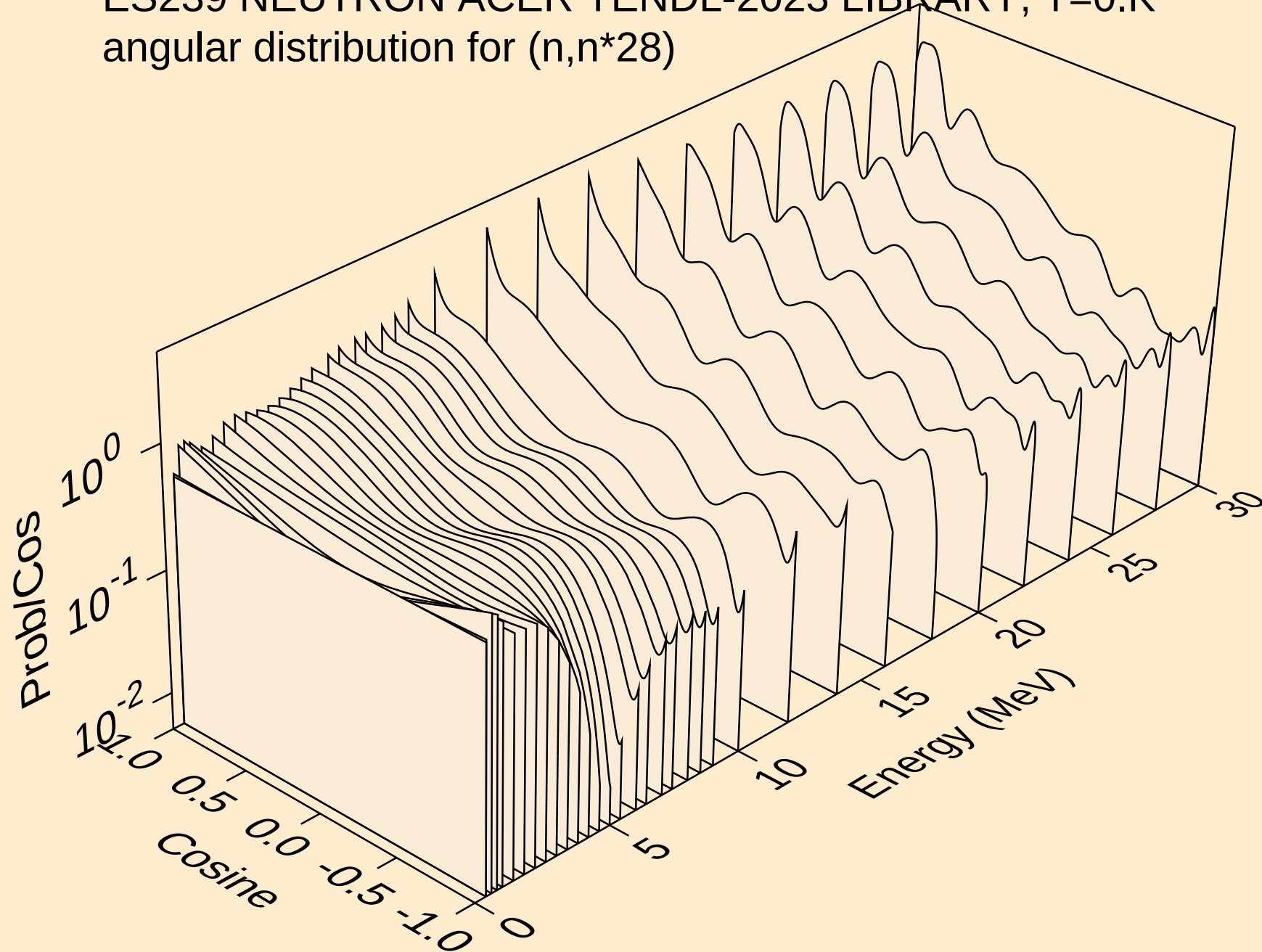
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*26)



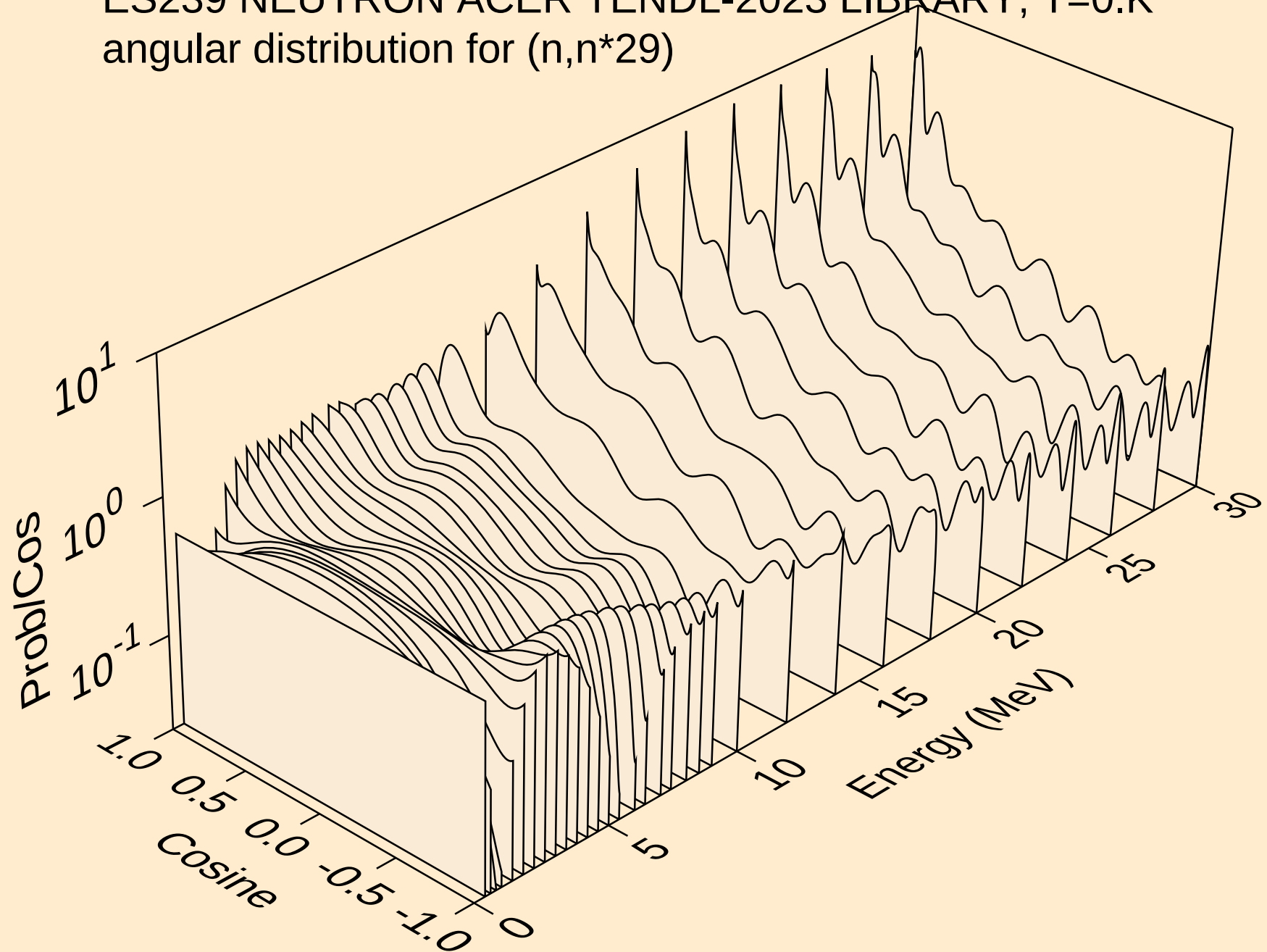
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*27)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*28)

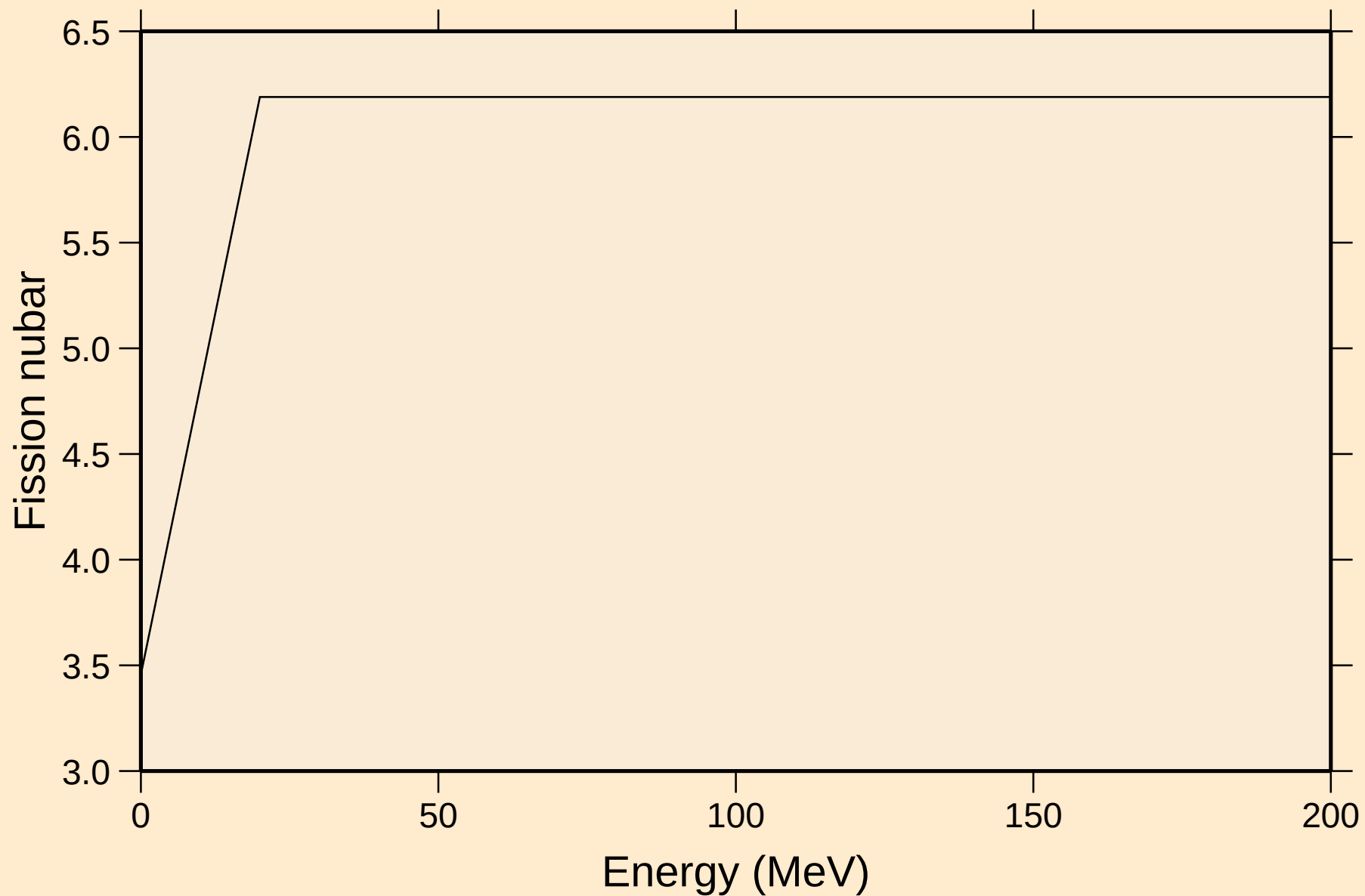


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*29)

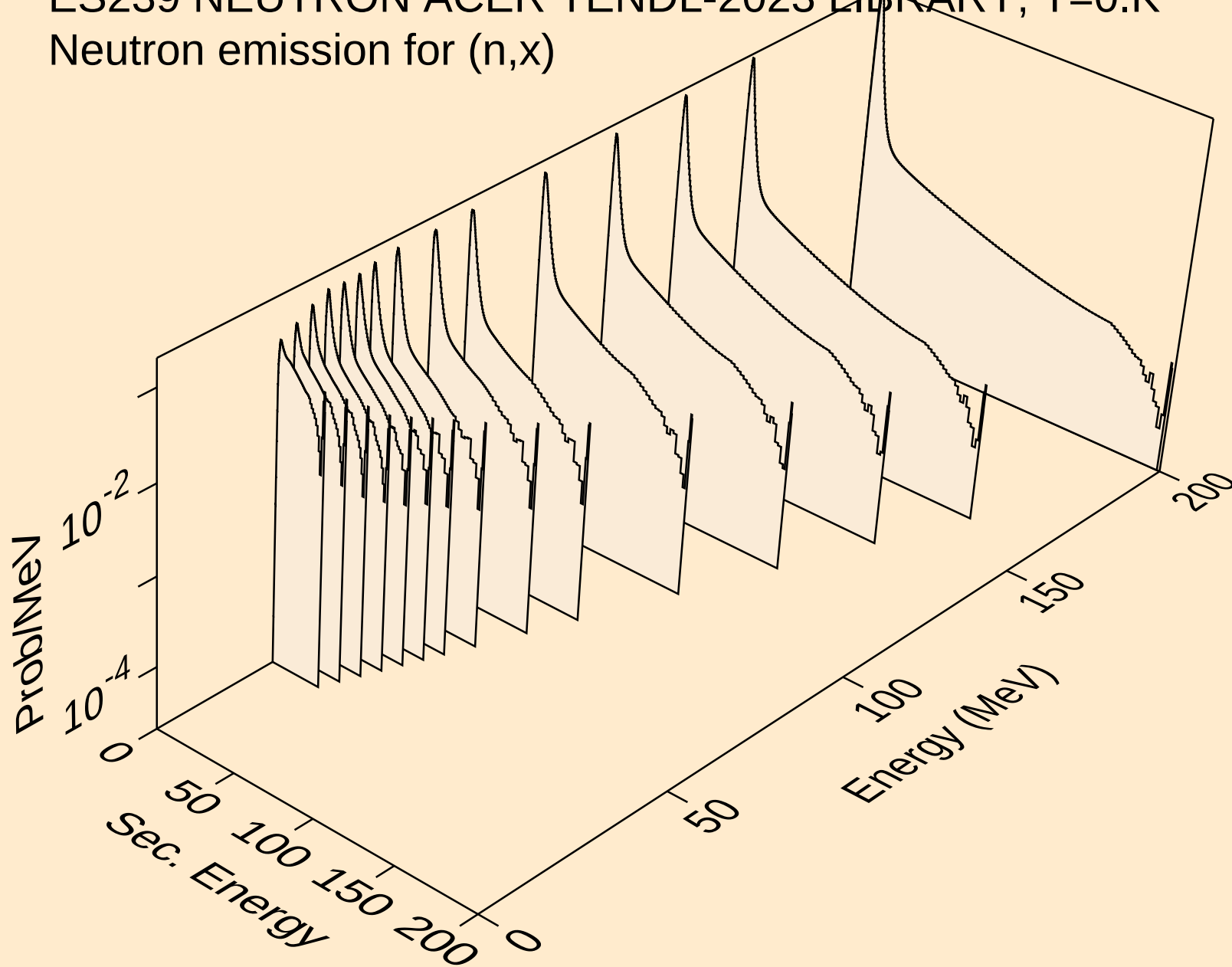


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

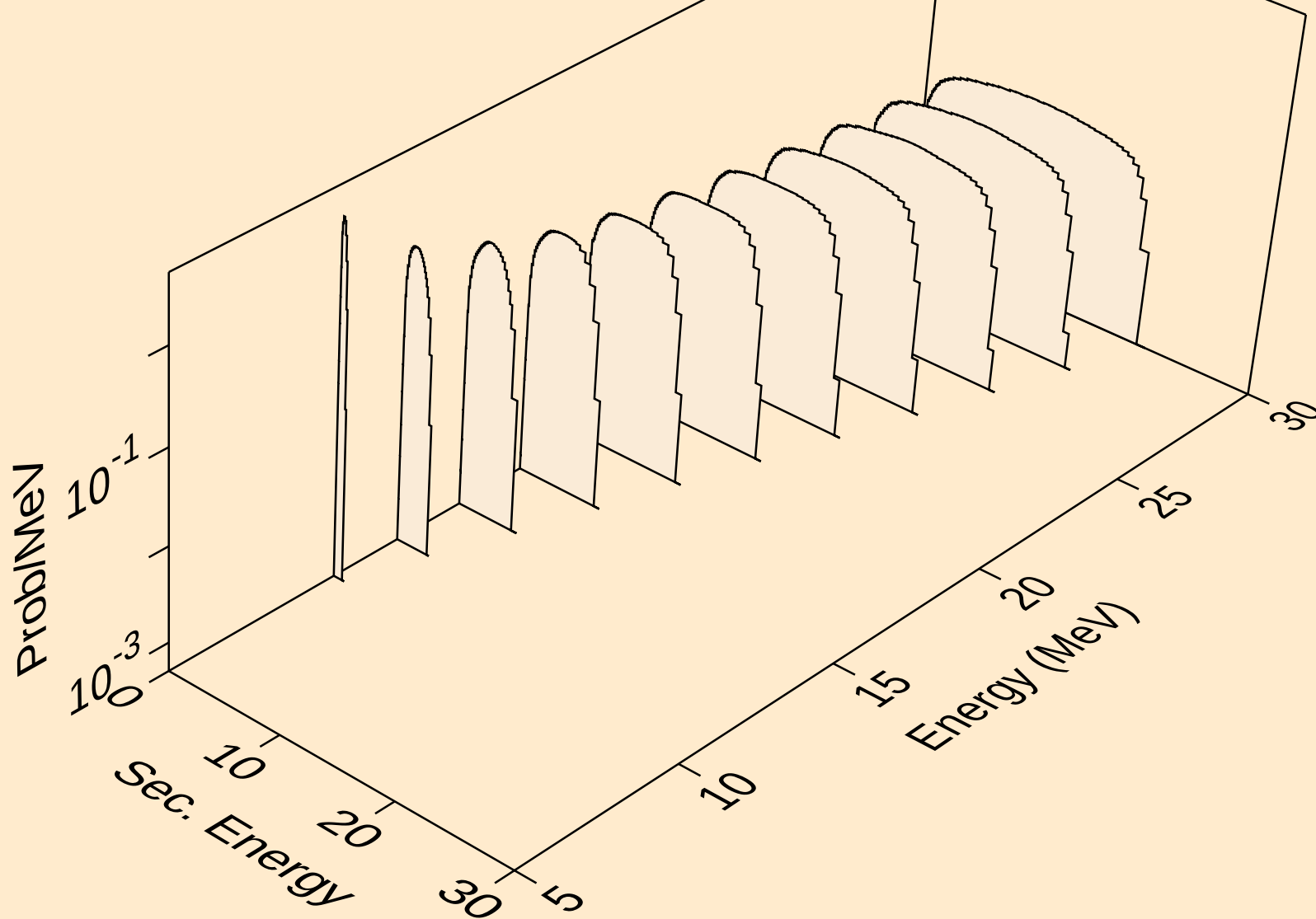
Total fission nubar



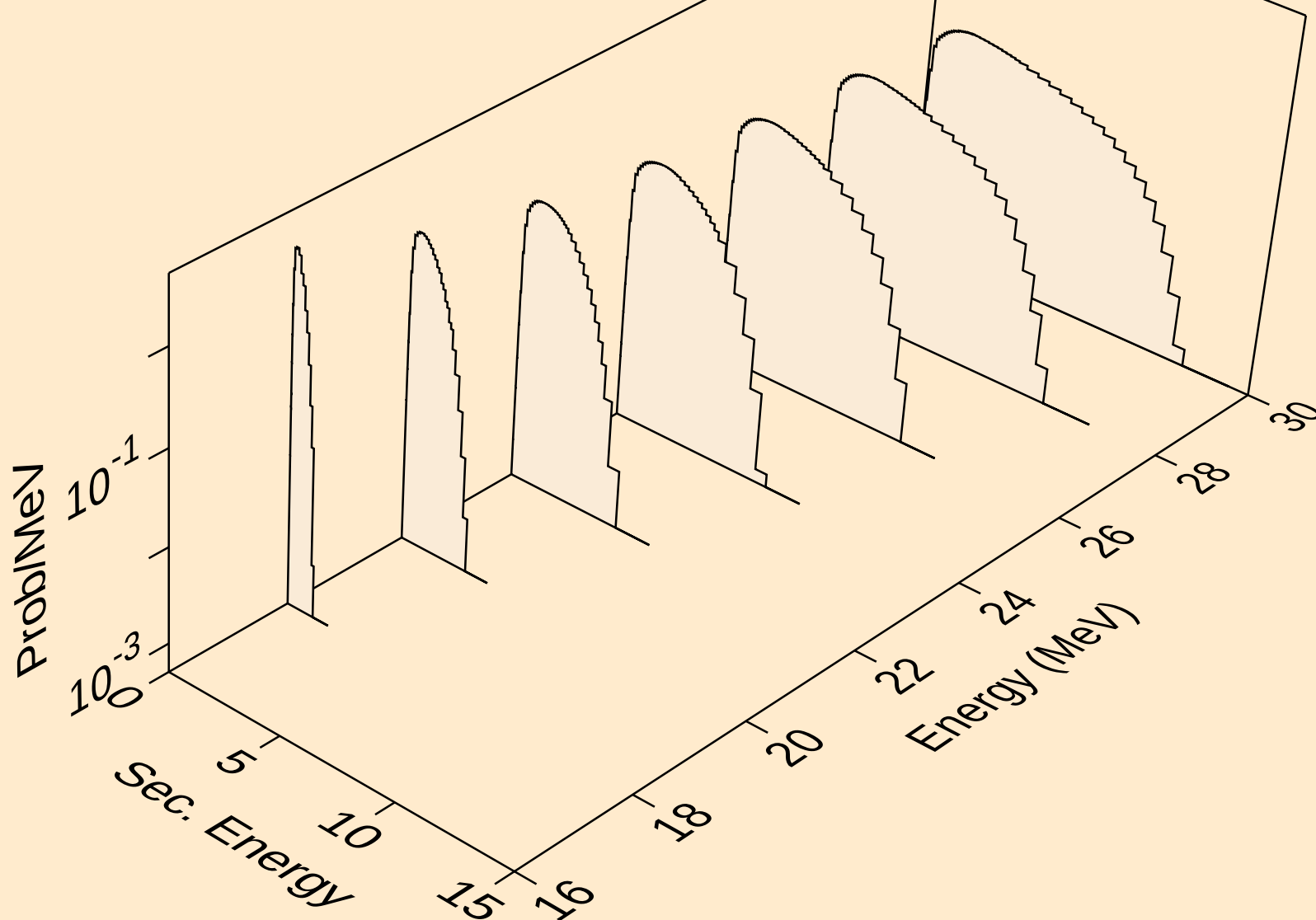
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



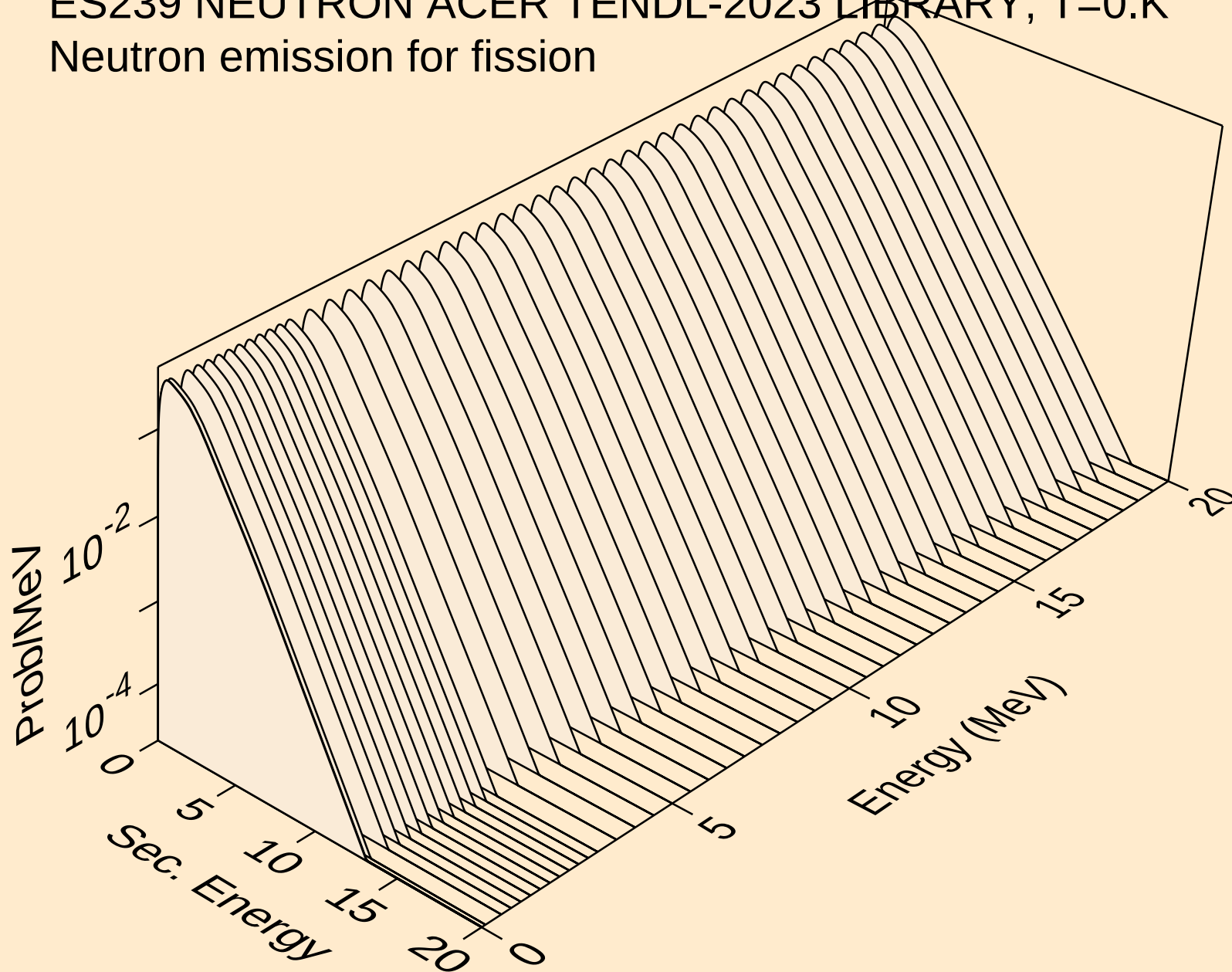
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



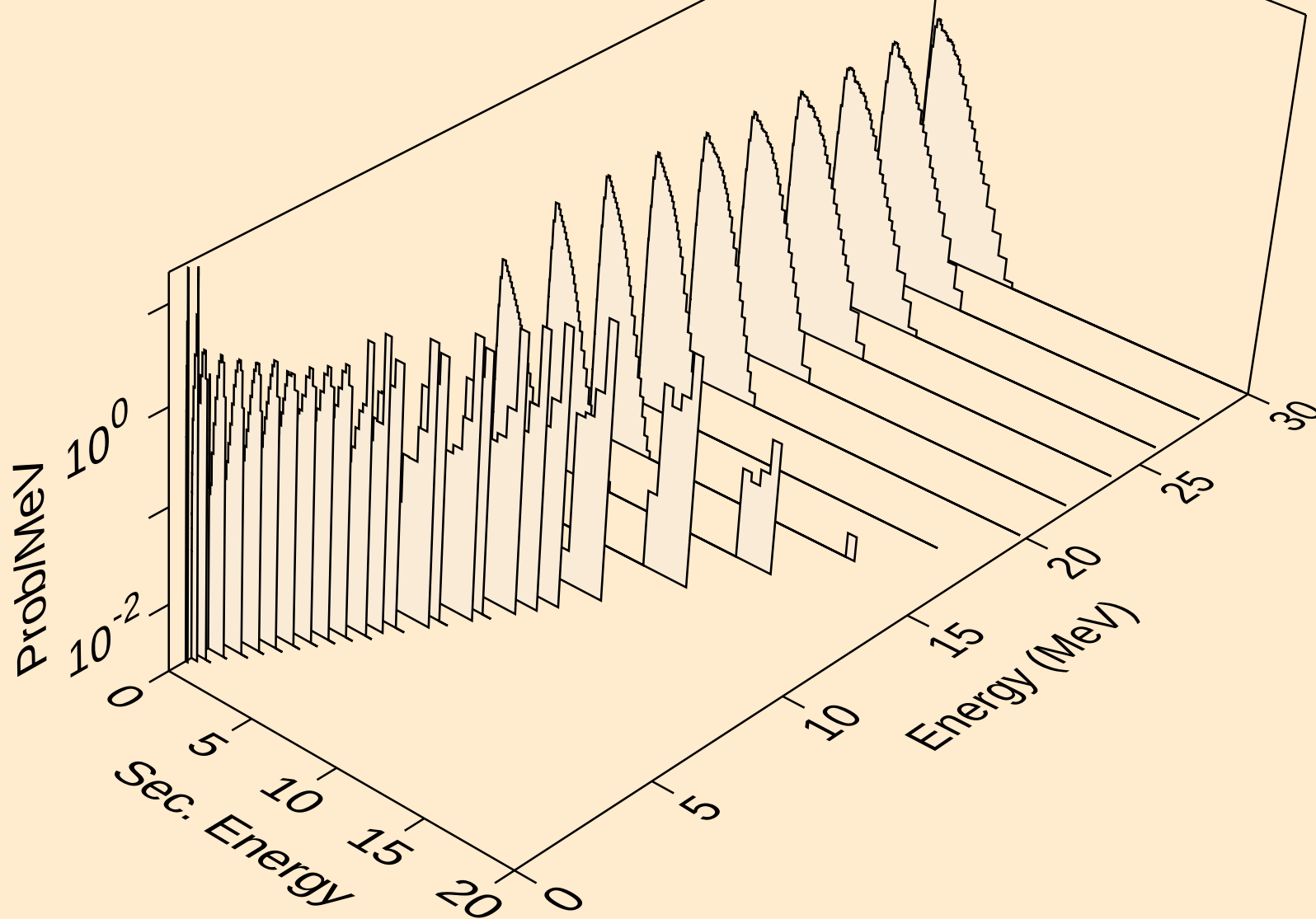
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



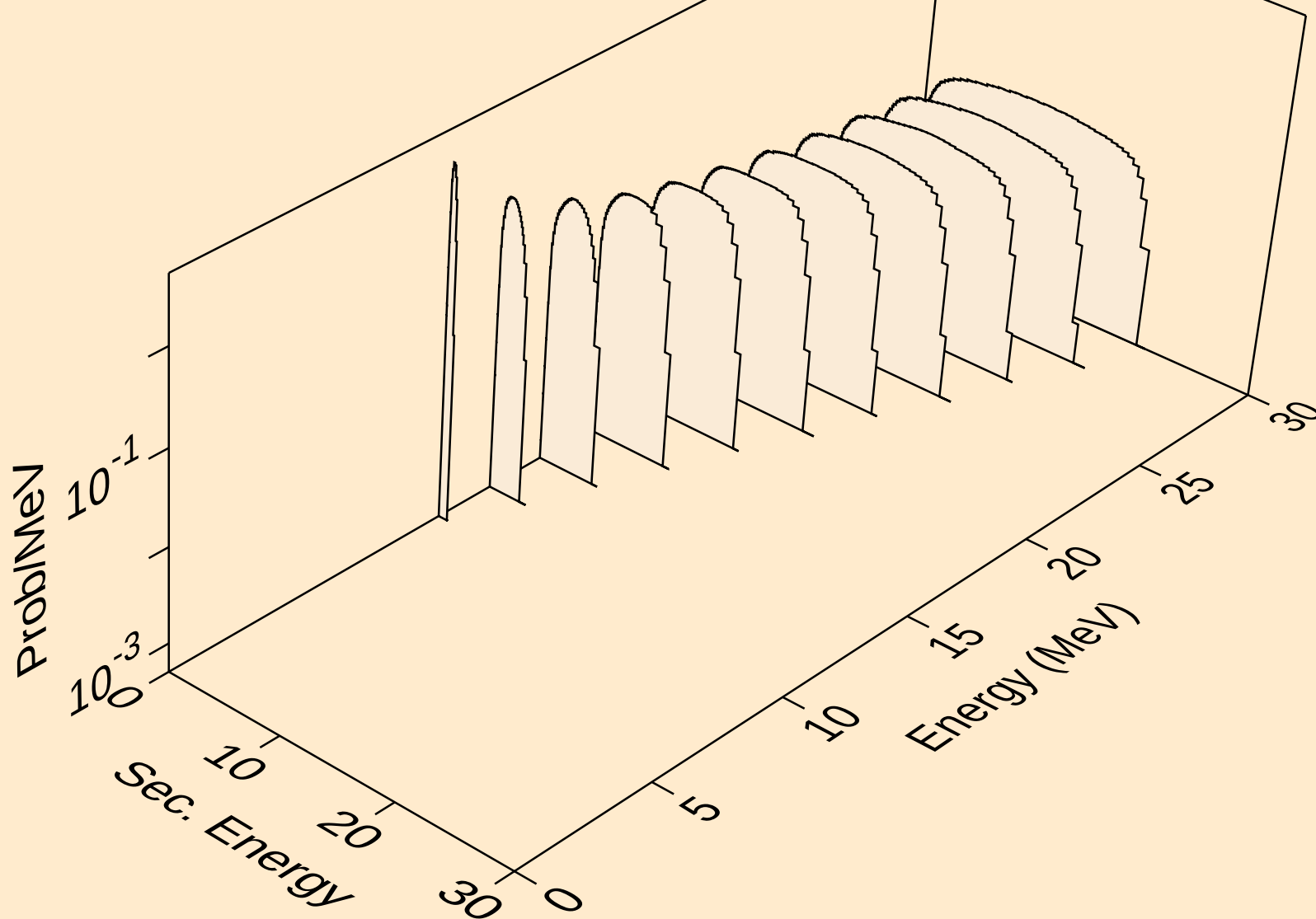
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for fission



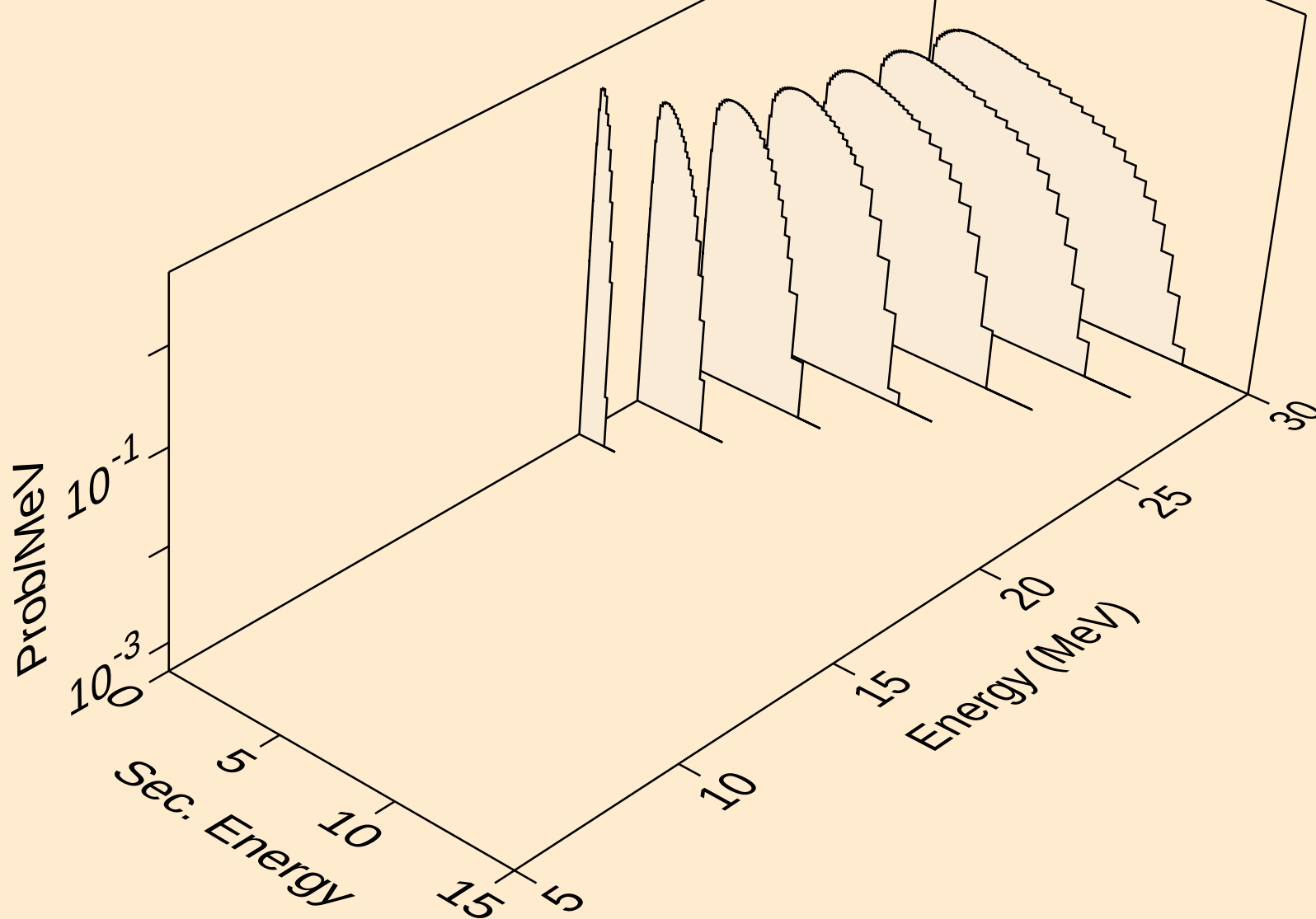
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



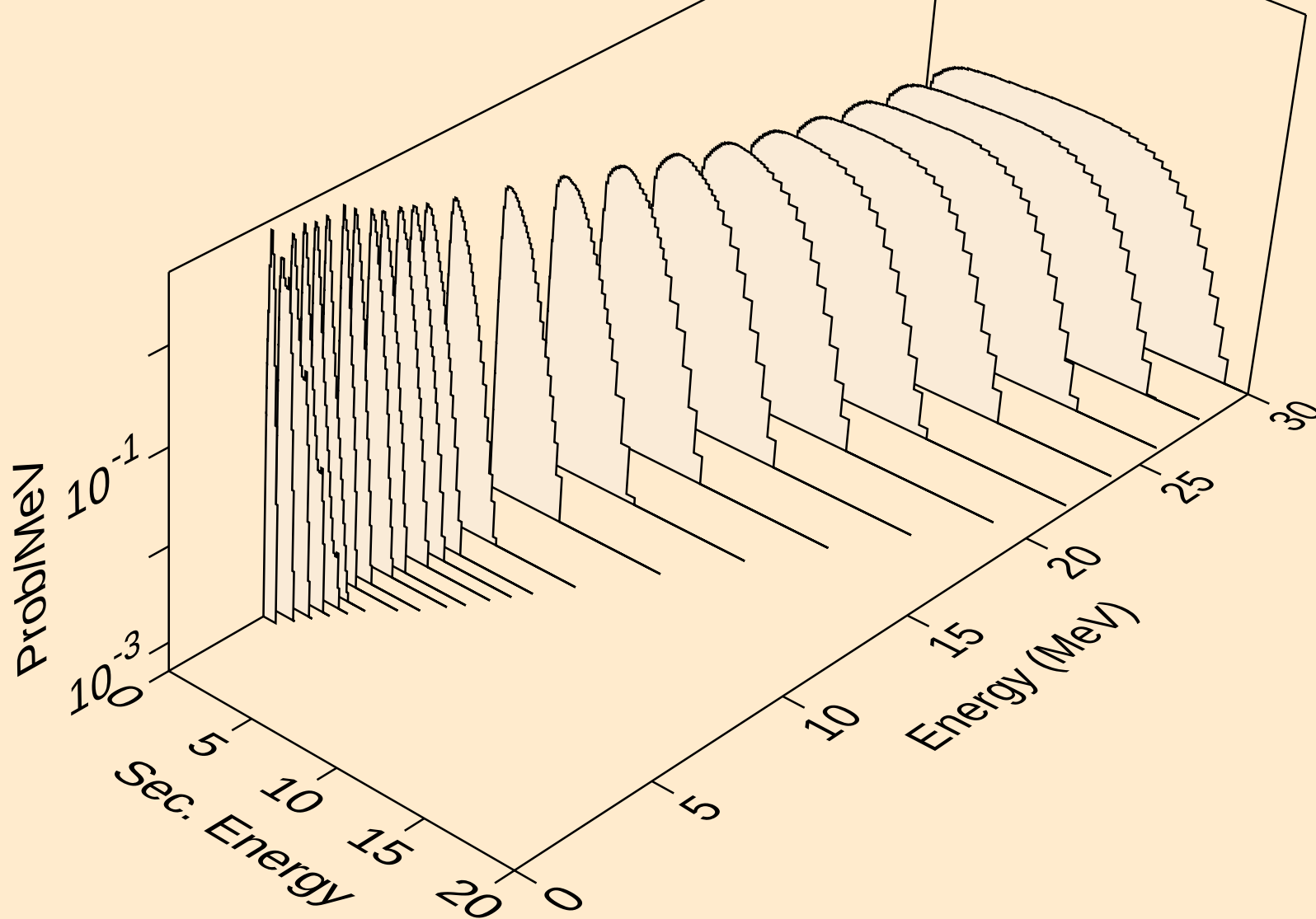
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n) α



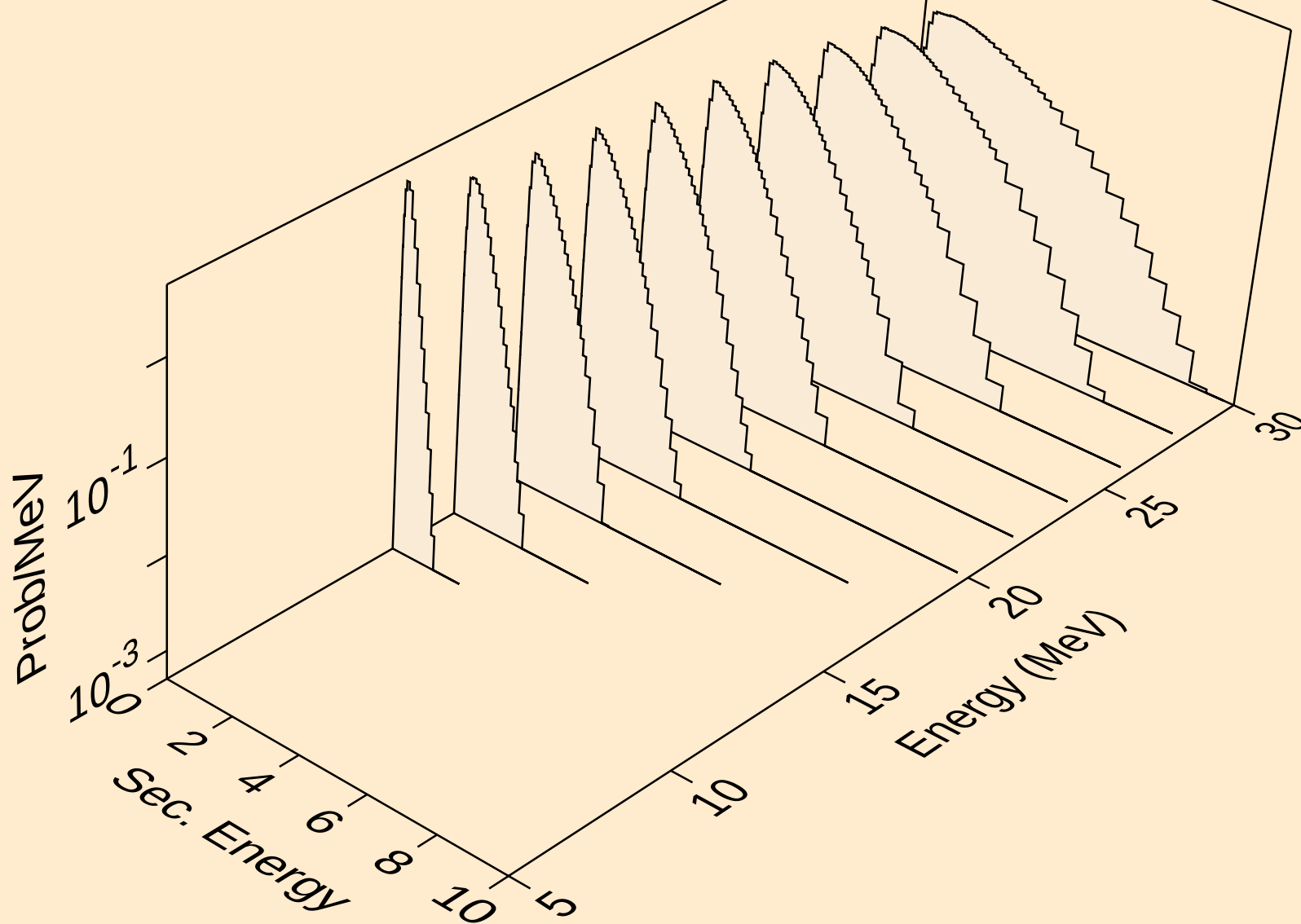
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



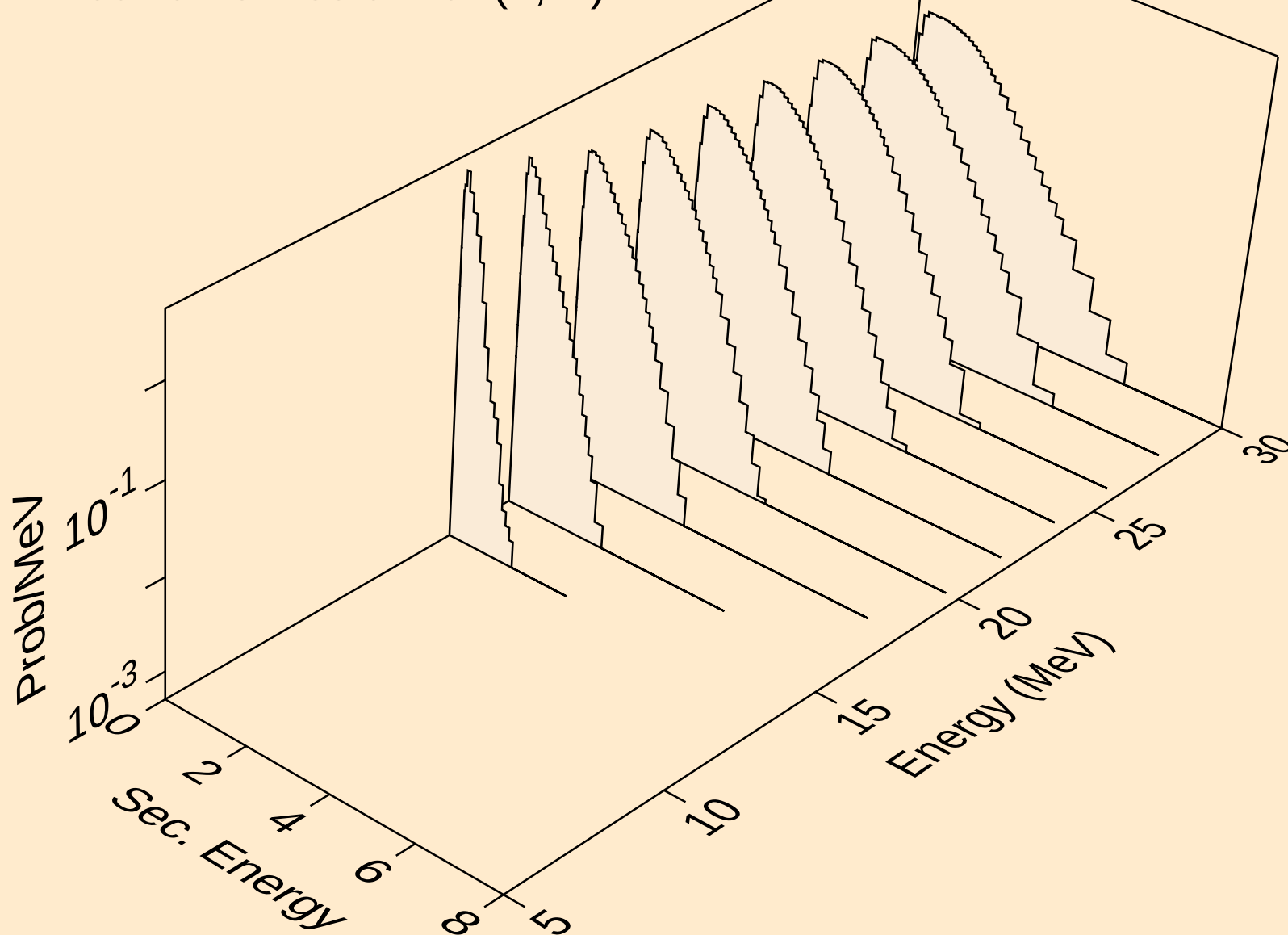
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



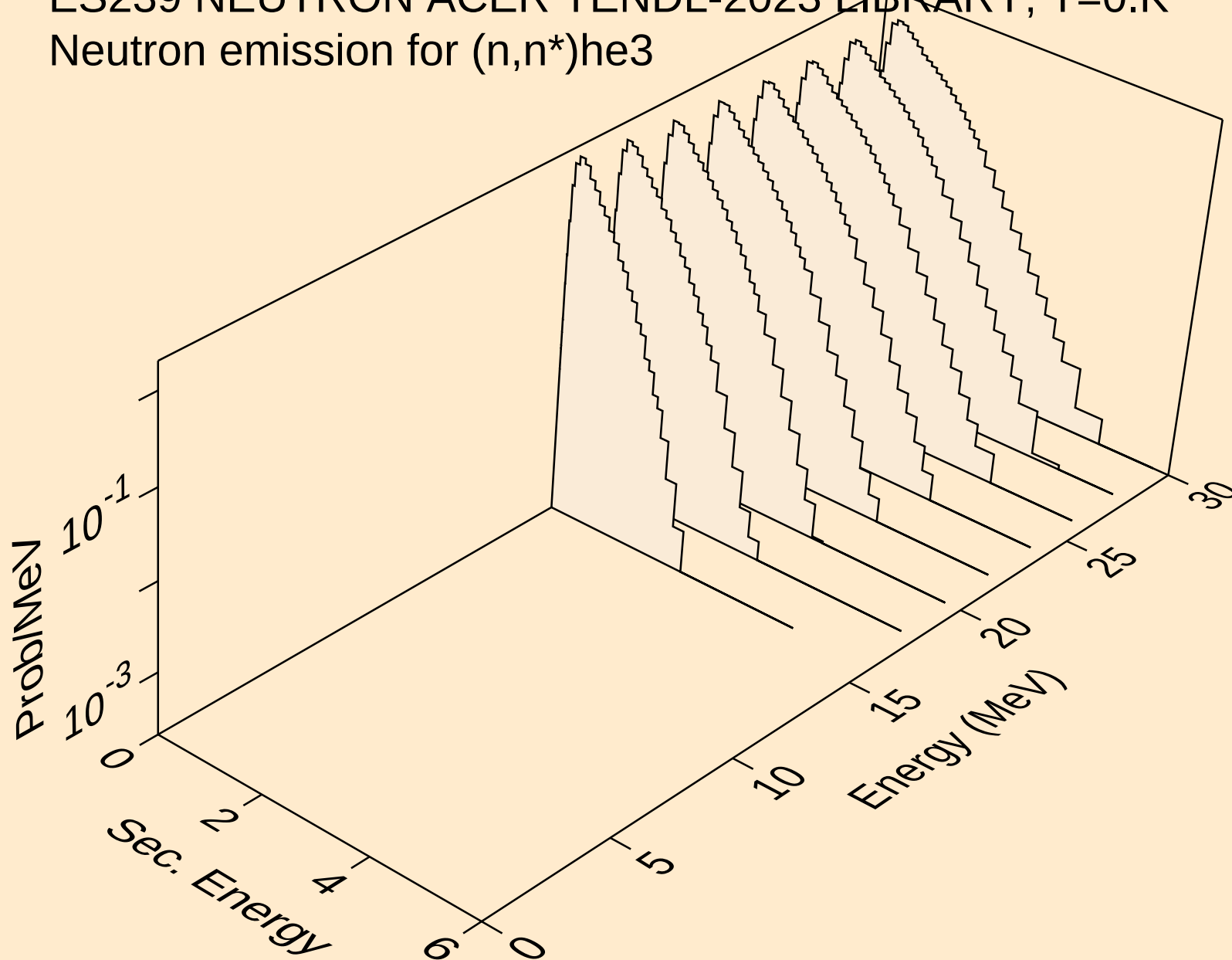
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



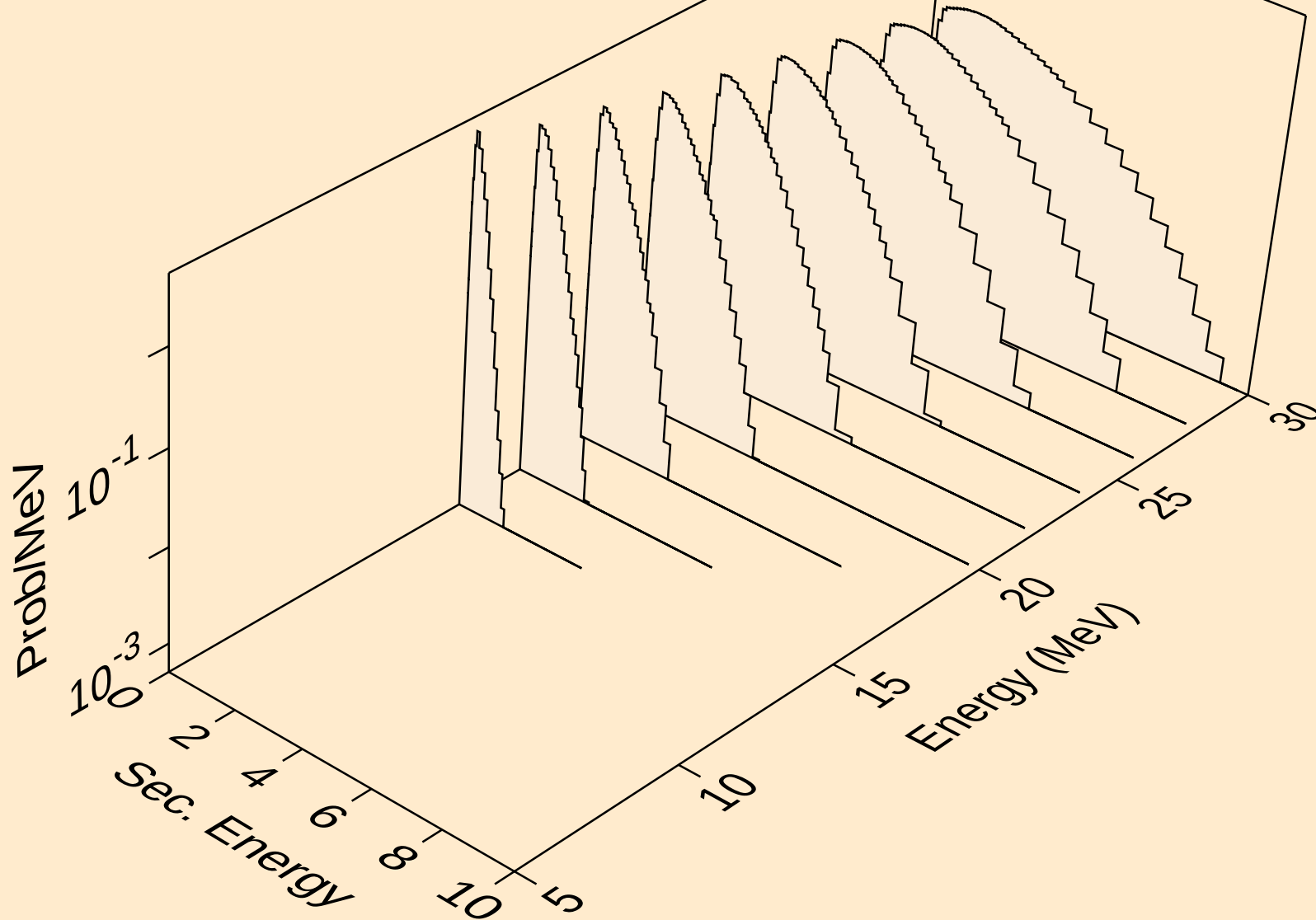
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



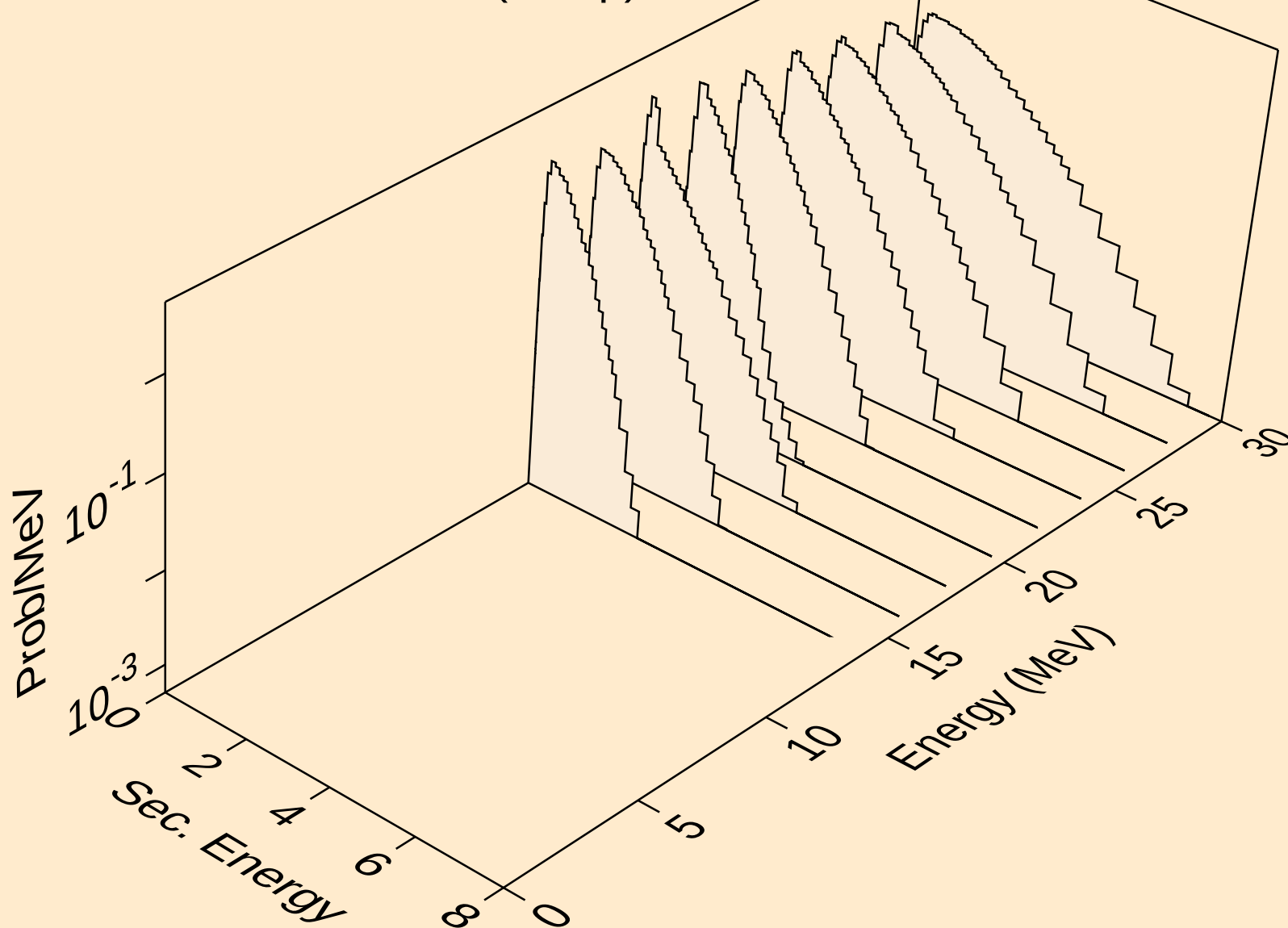
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



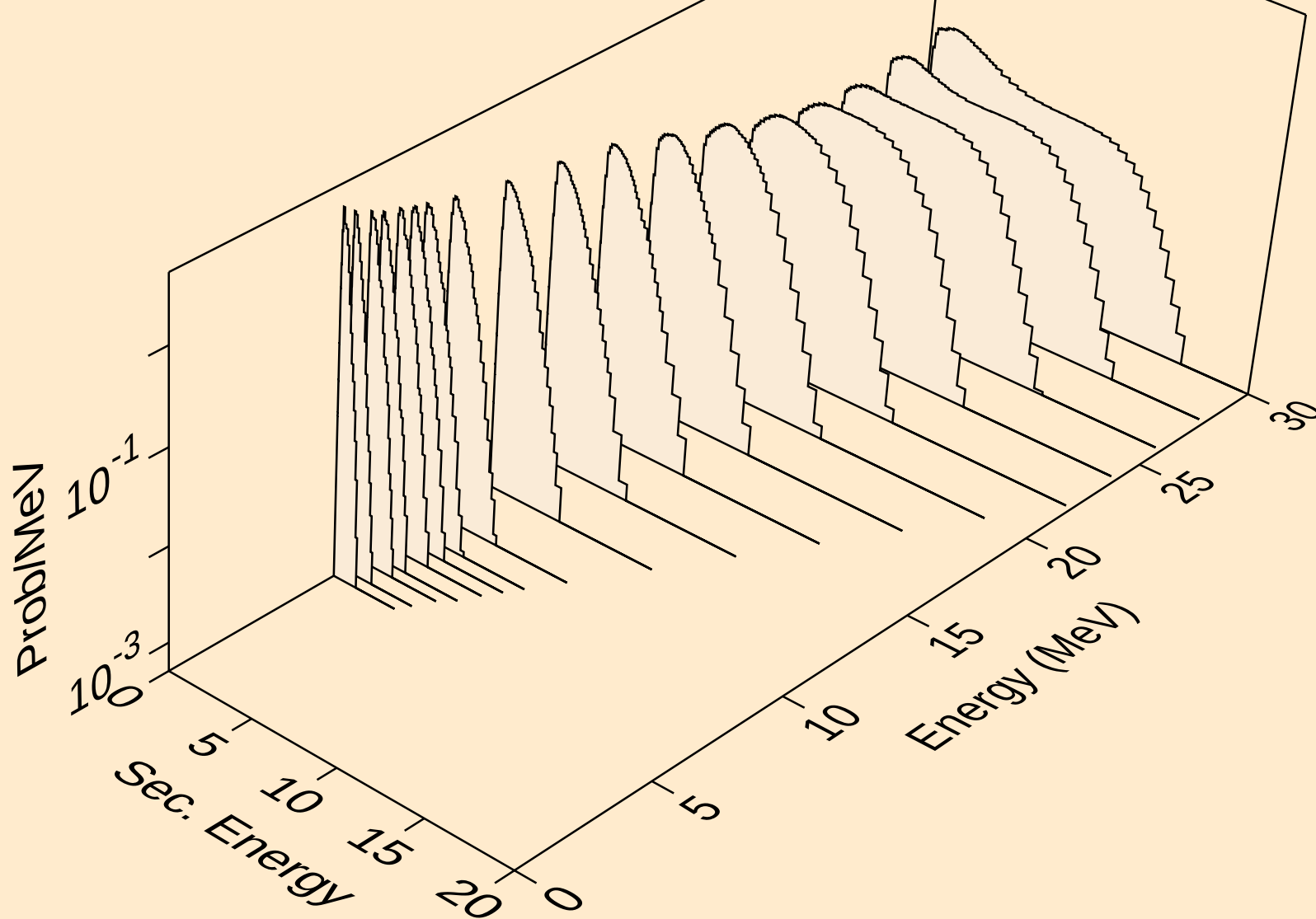
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



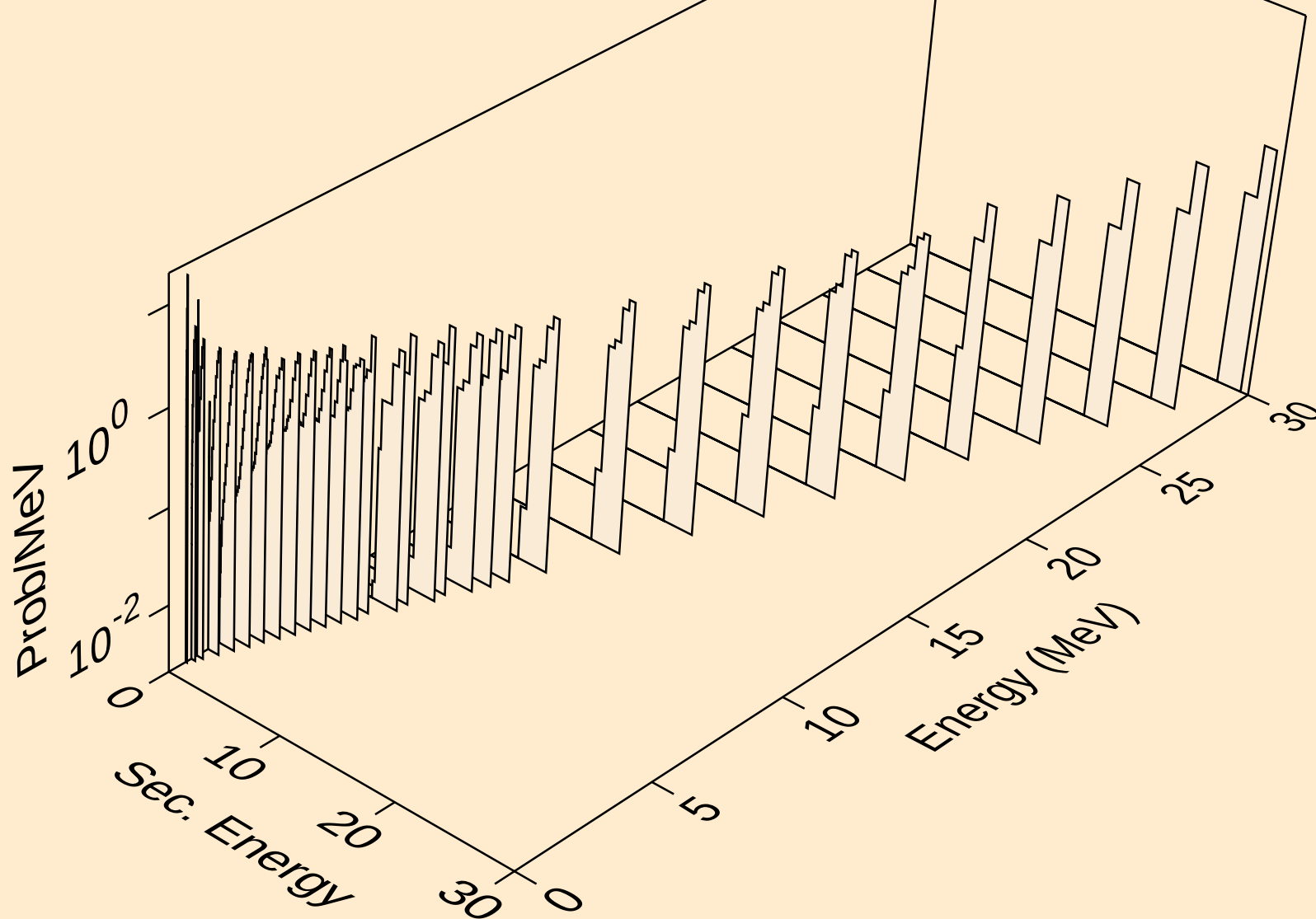
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)

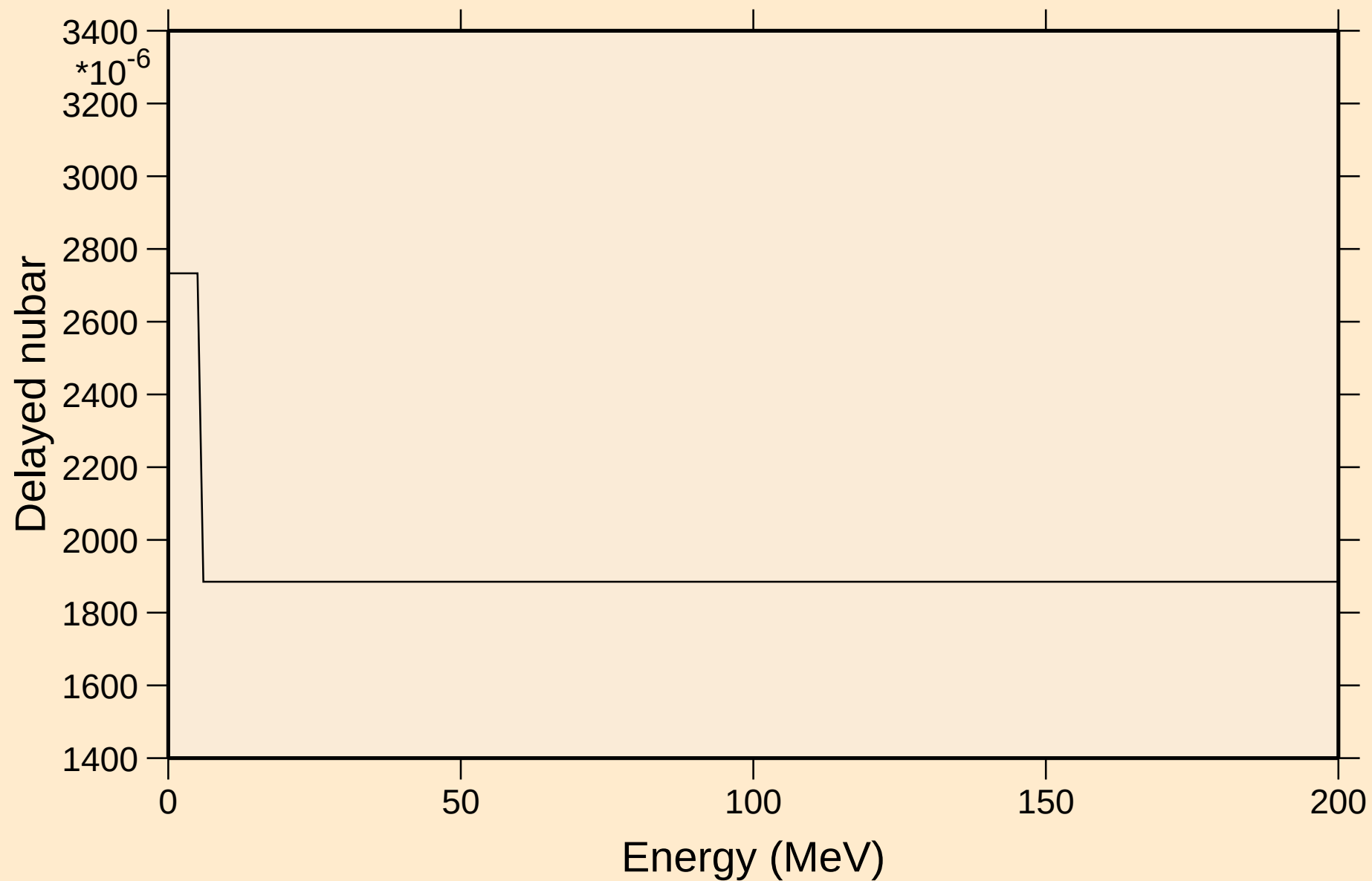


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



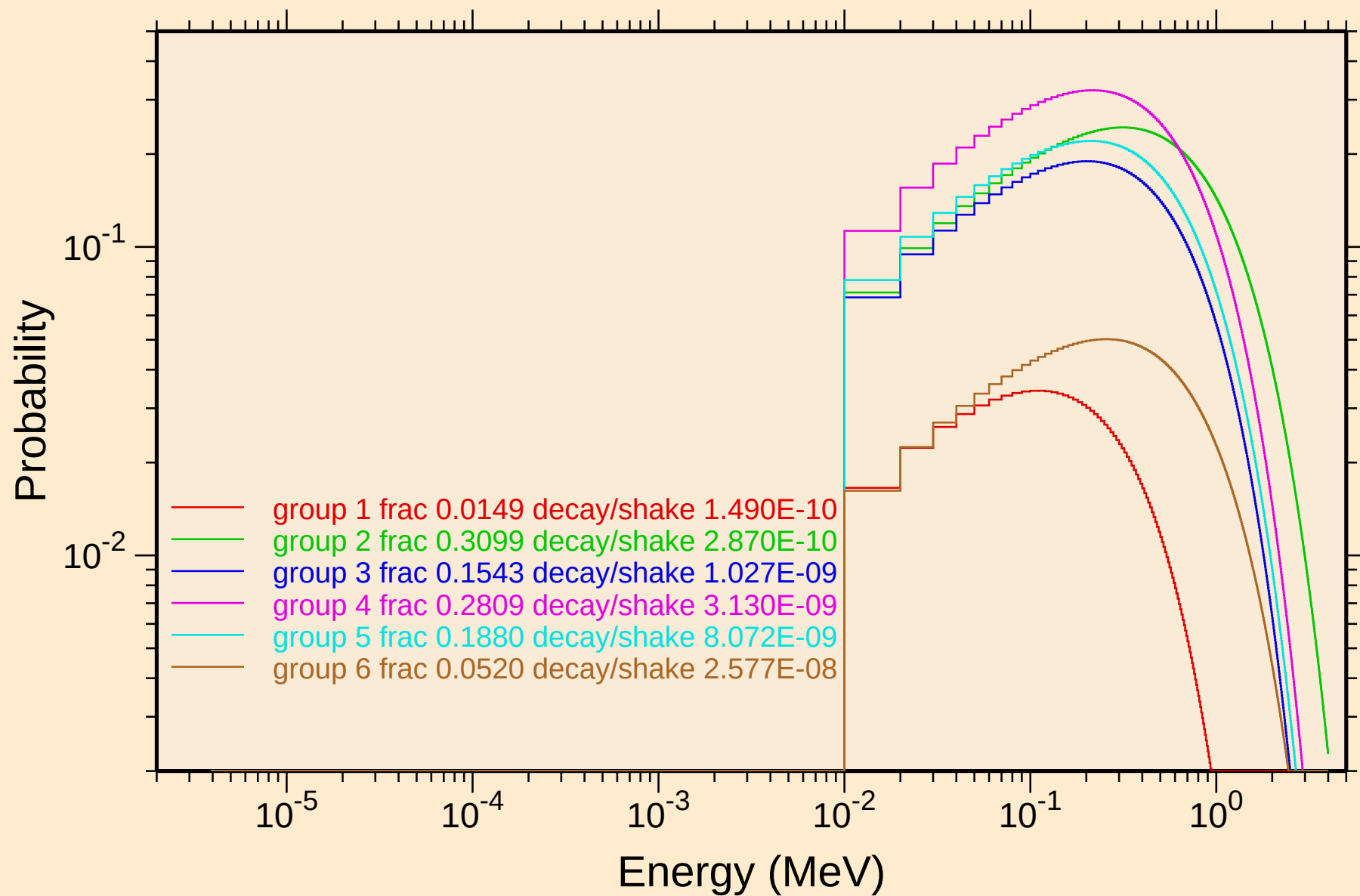
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Delayed nubar

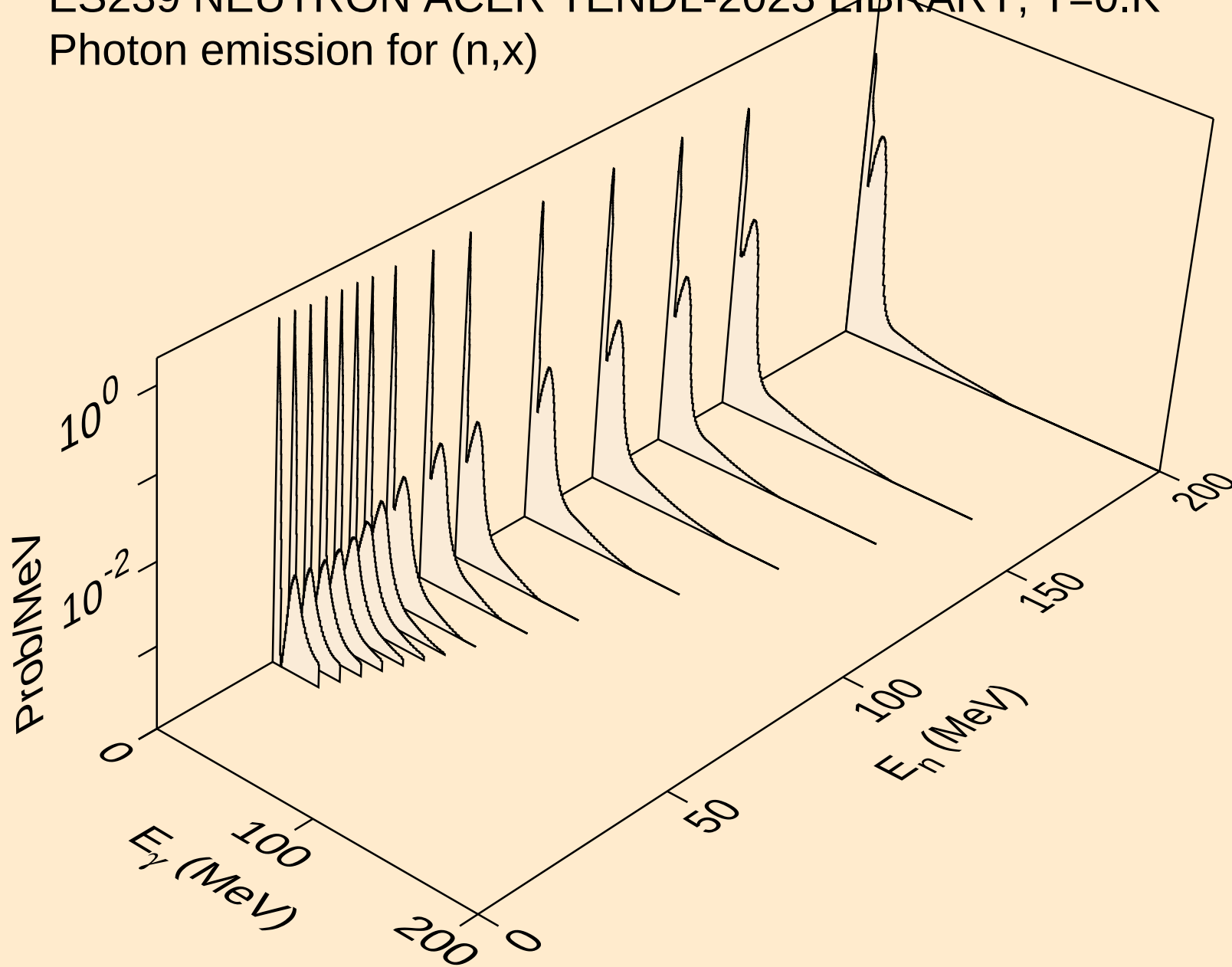


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

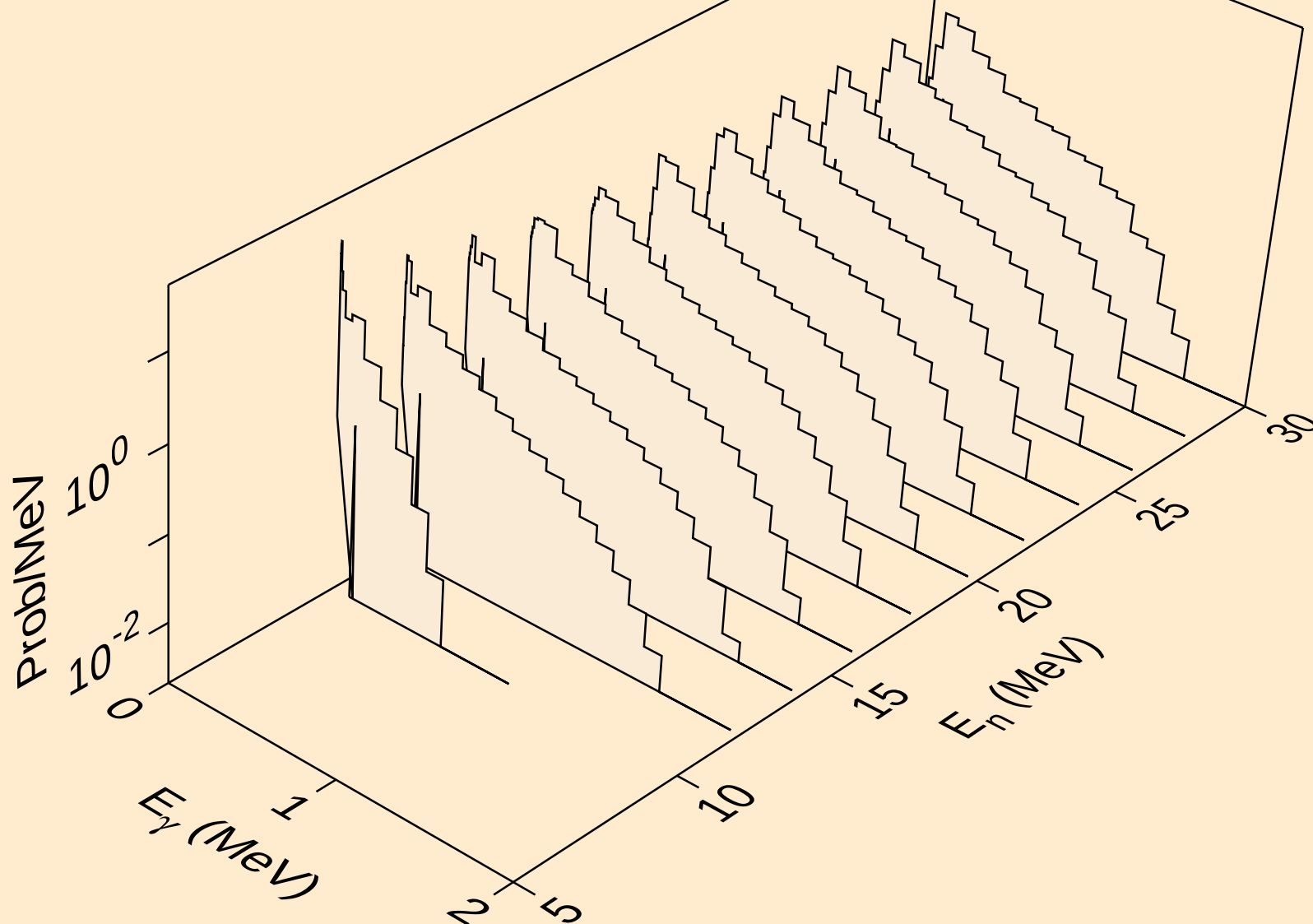
Delayed neutron spectra



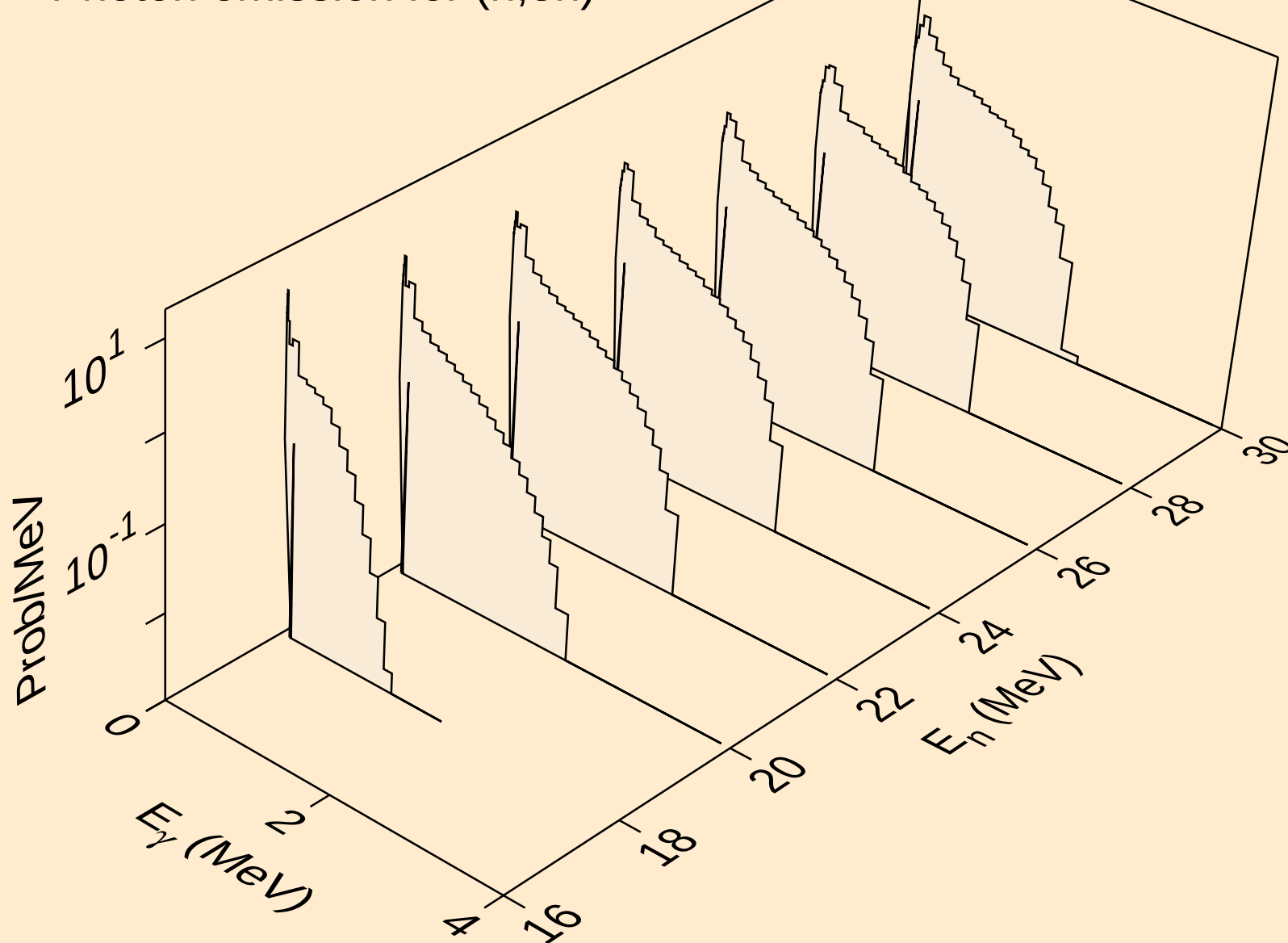
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



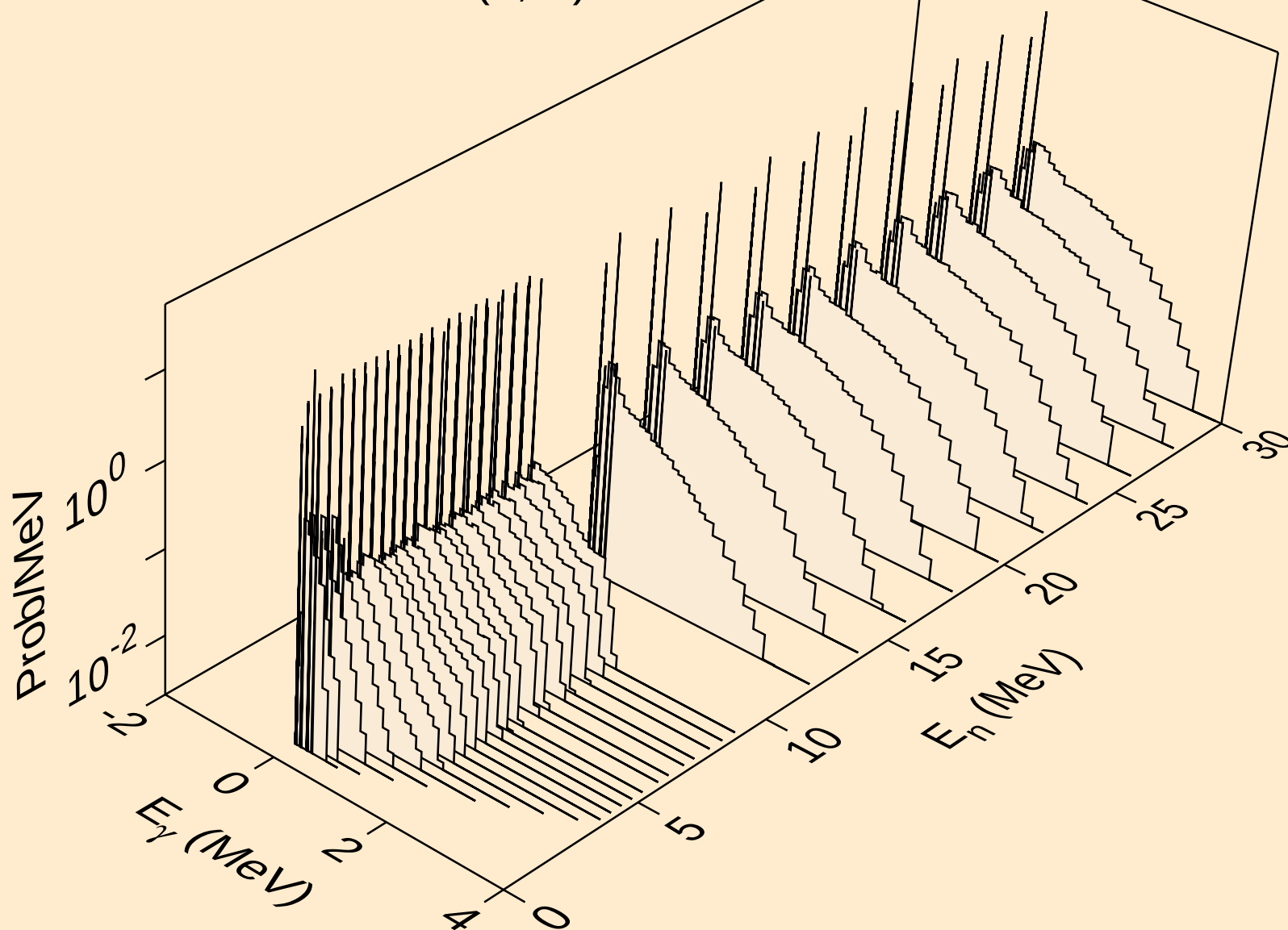
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



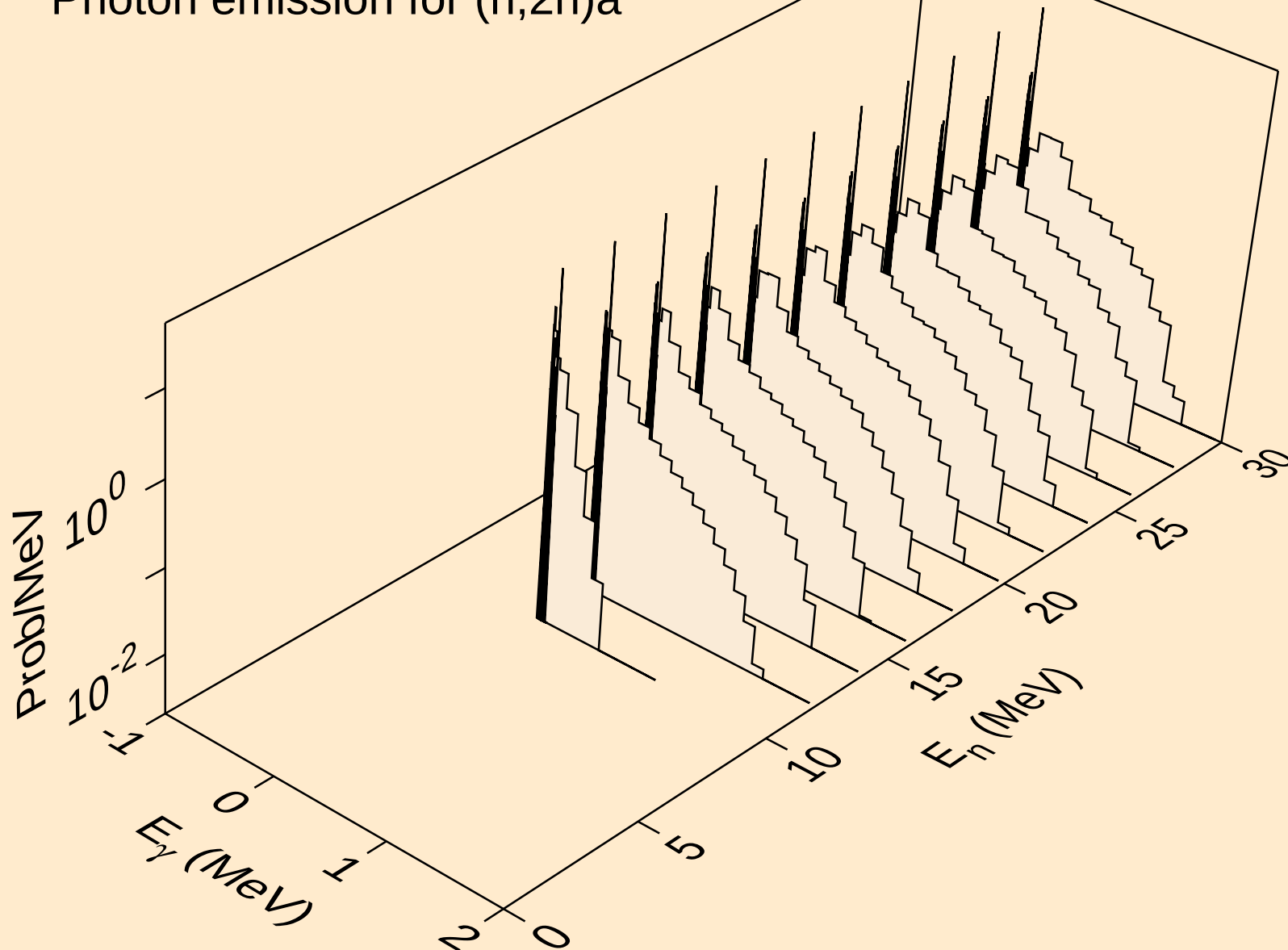
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



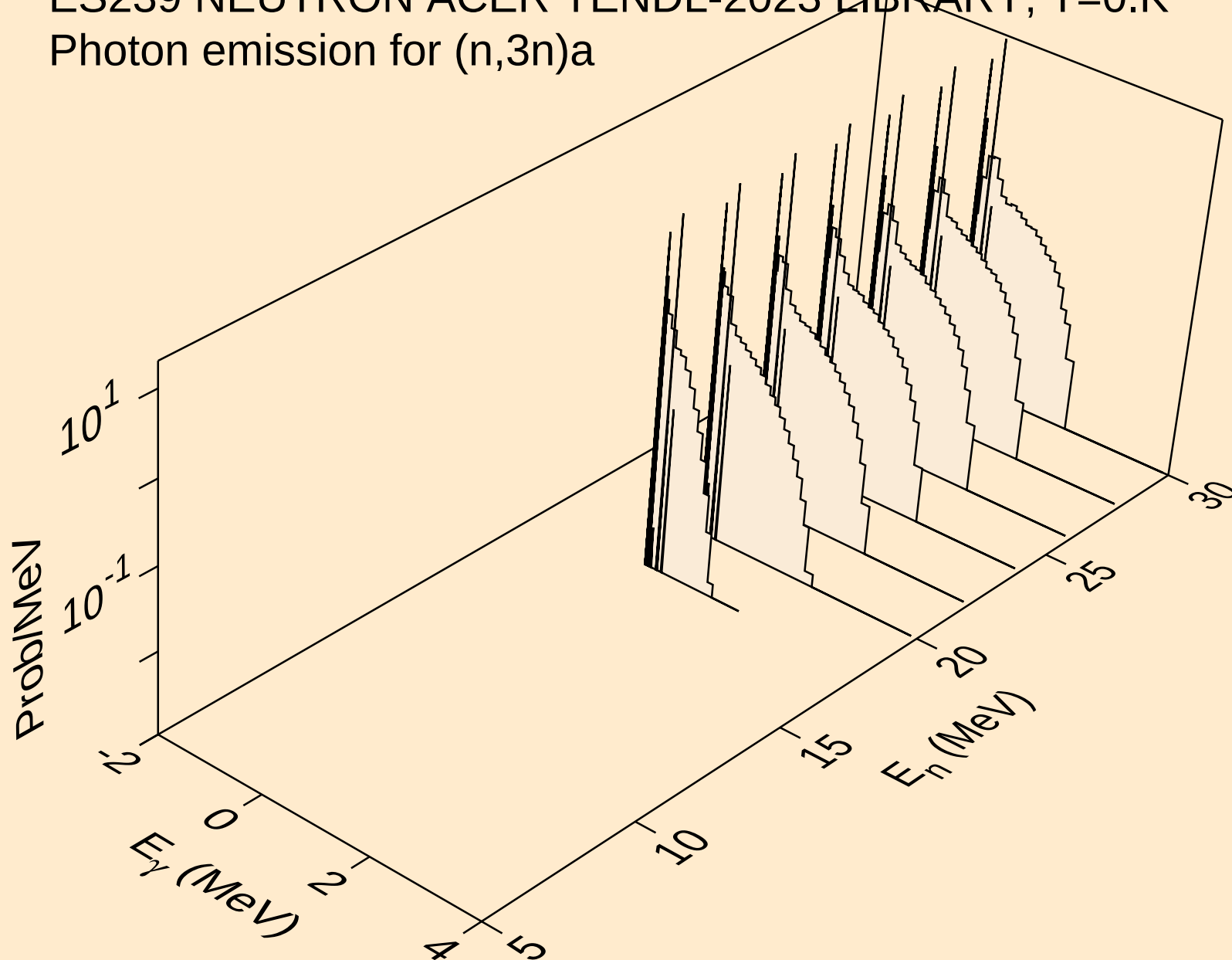
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



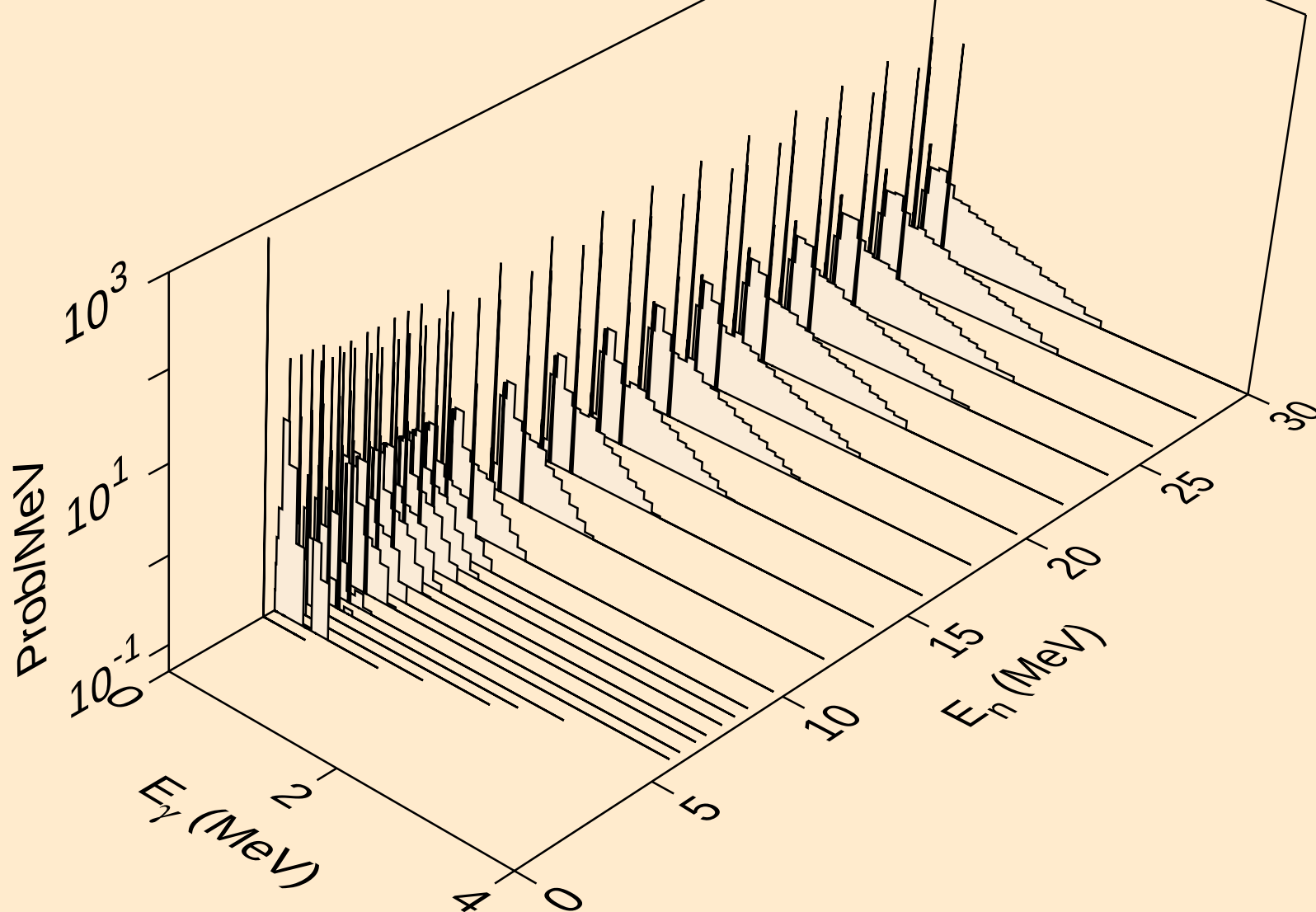
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



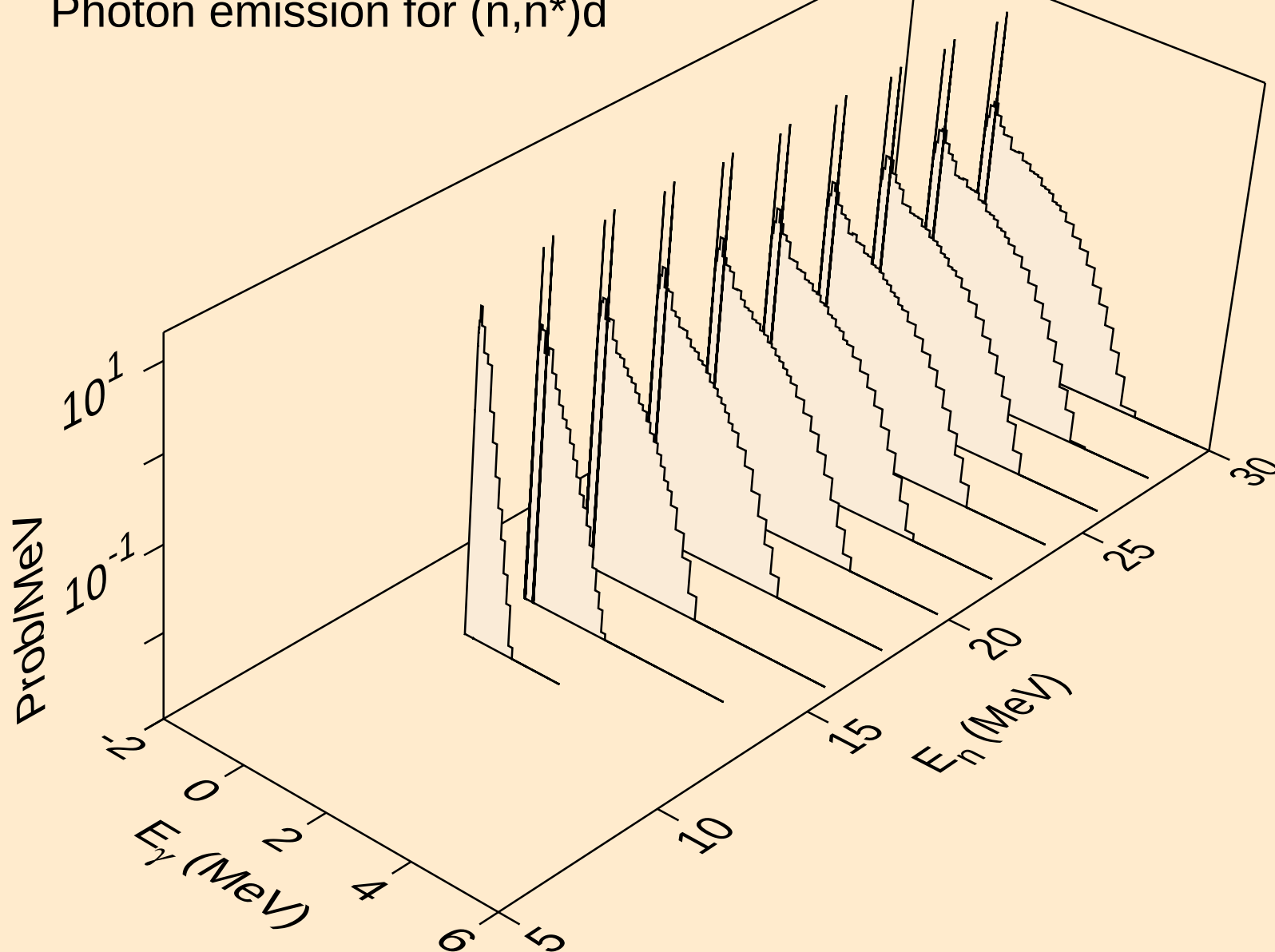
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



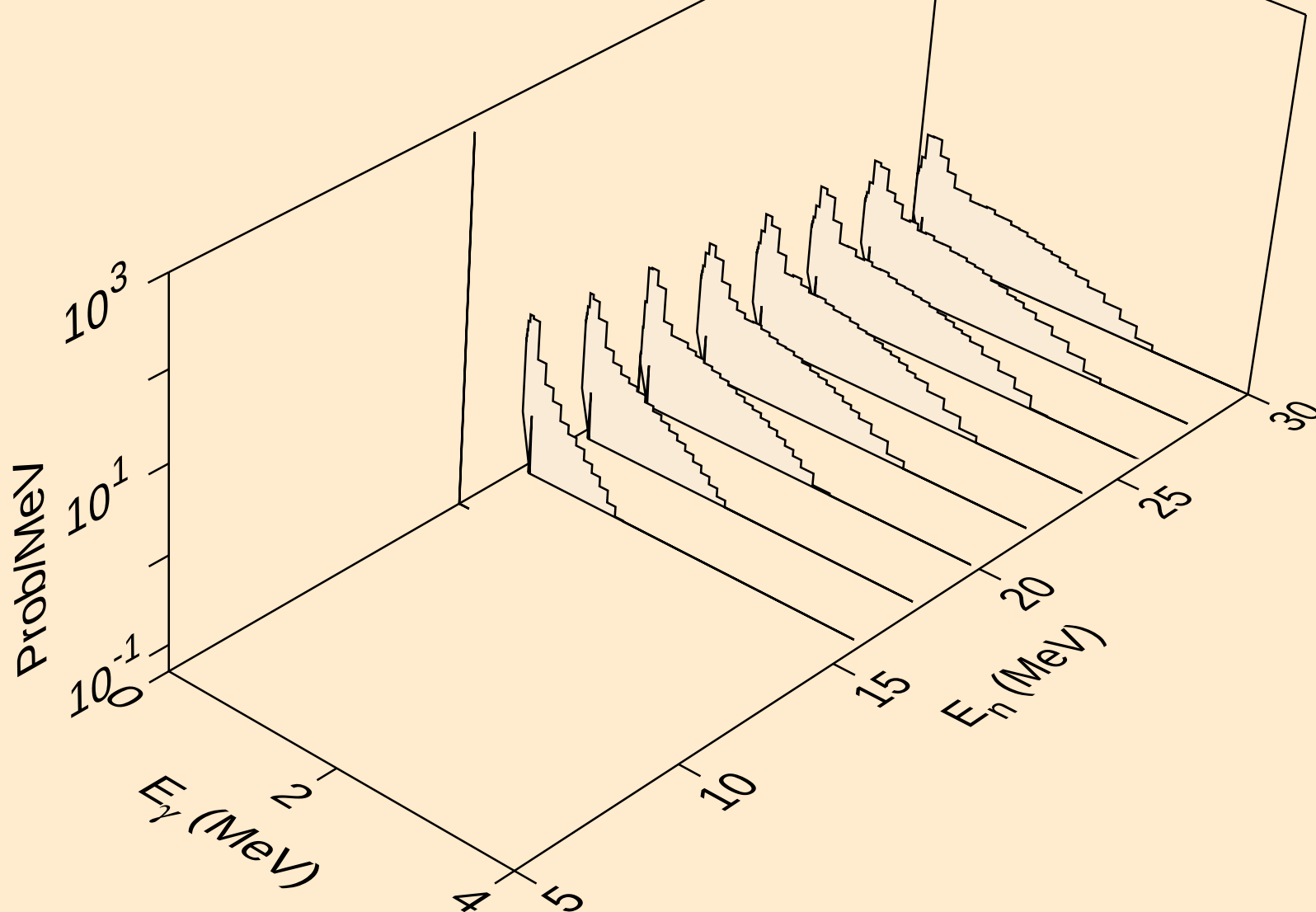
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



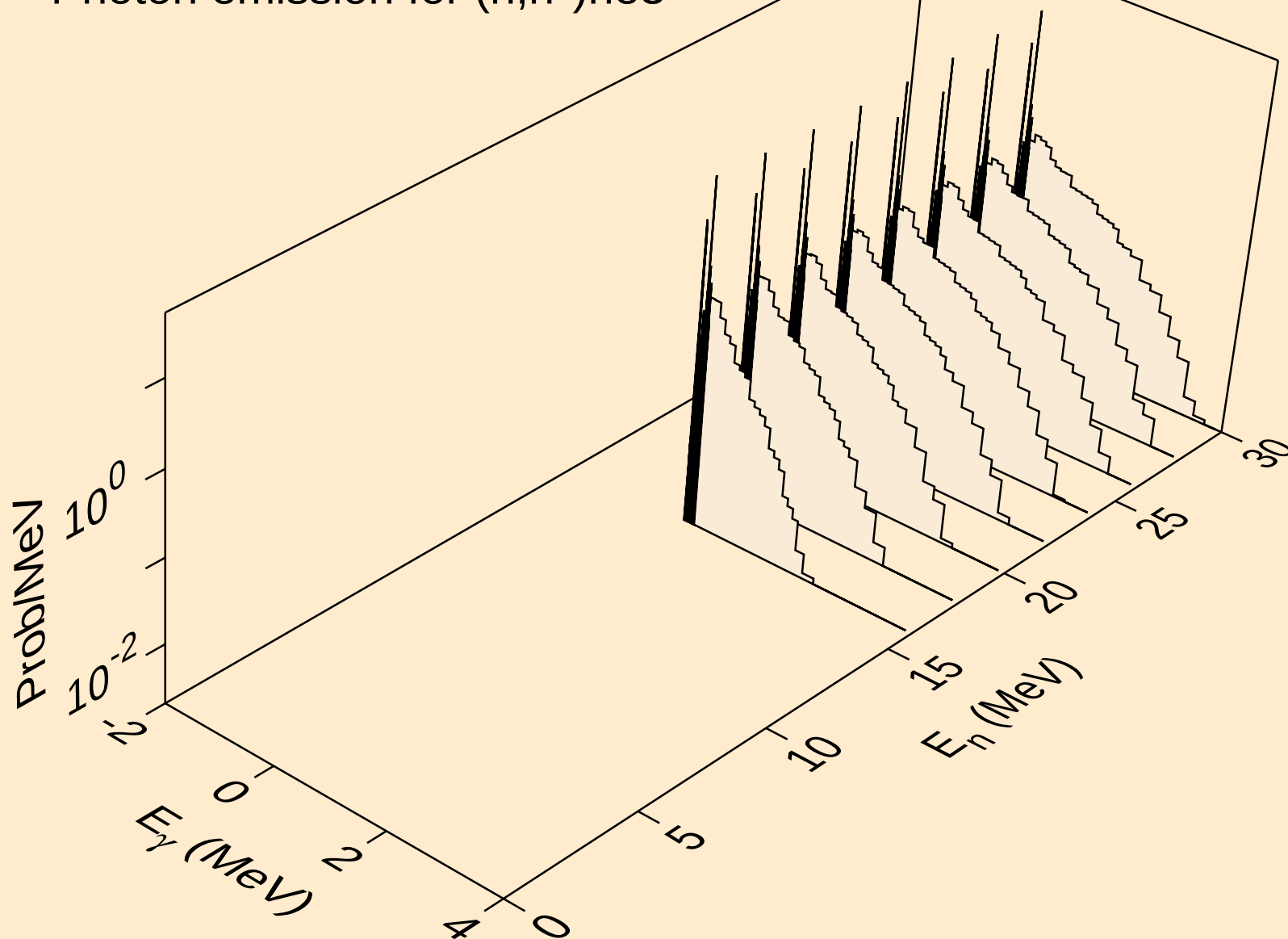
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



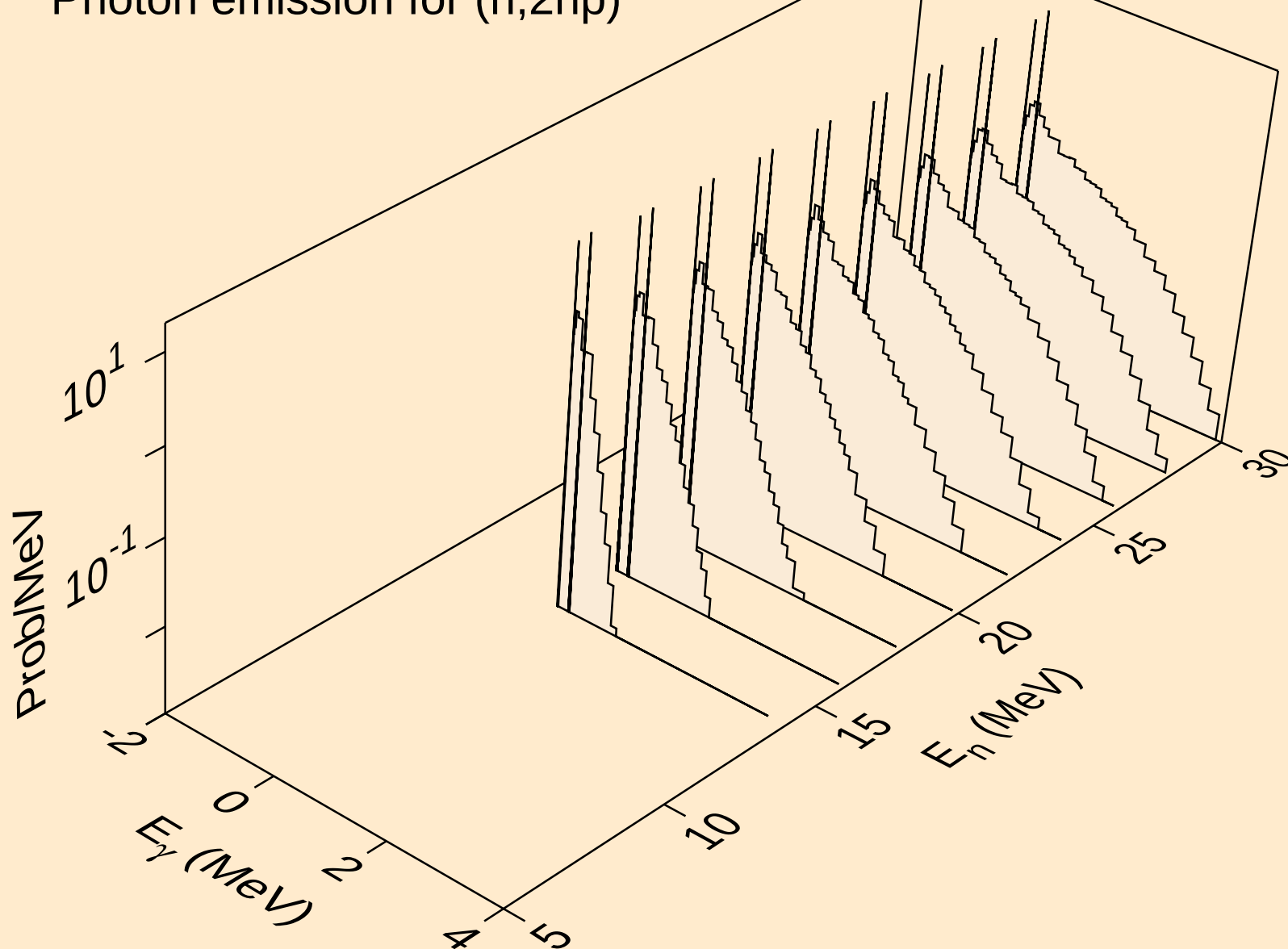
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



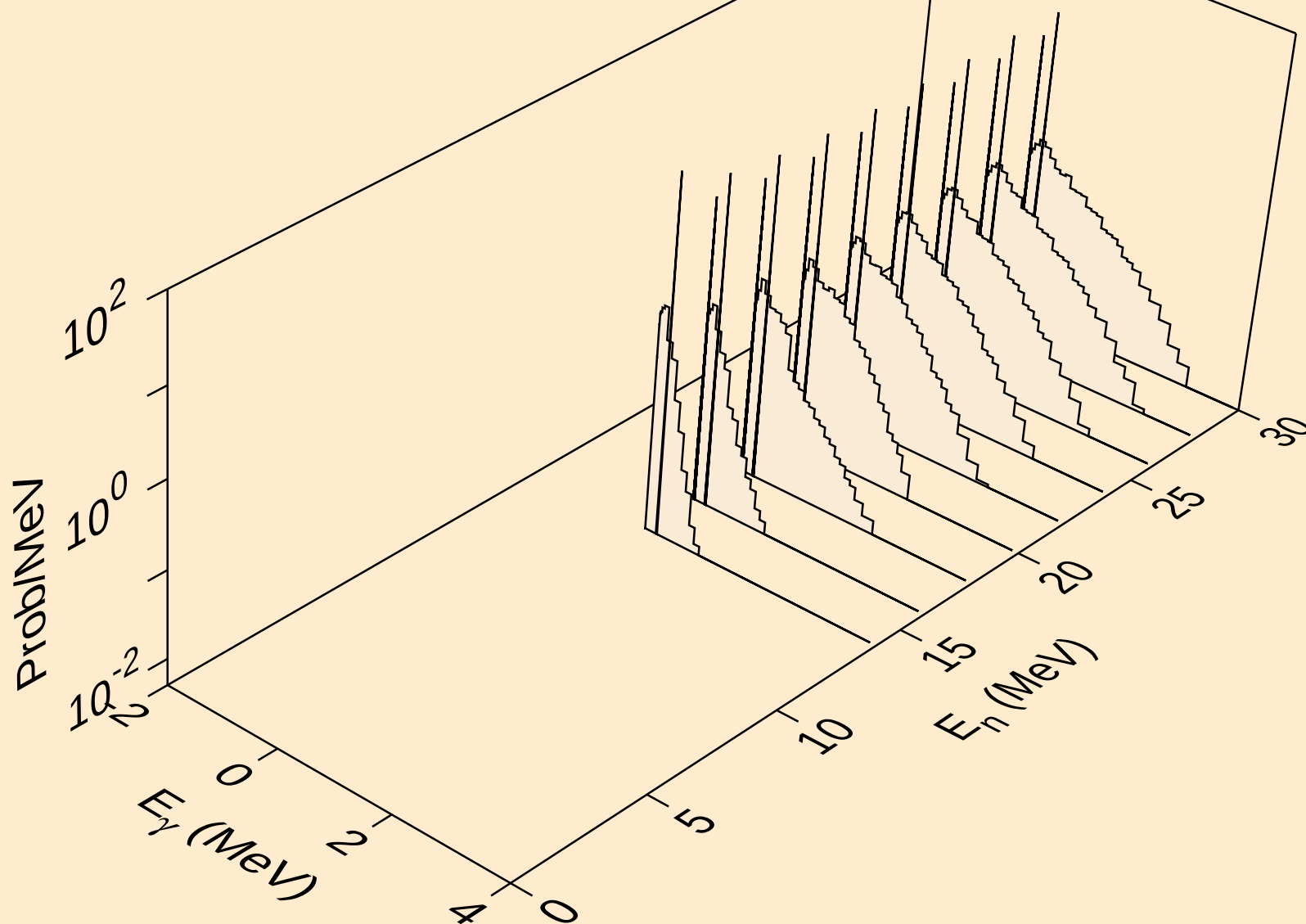
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



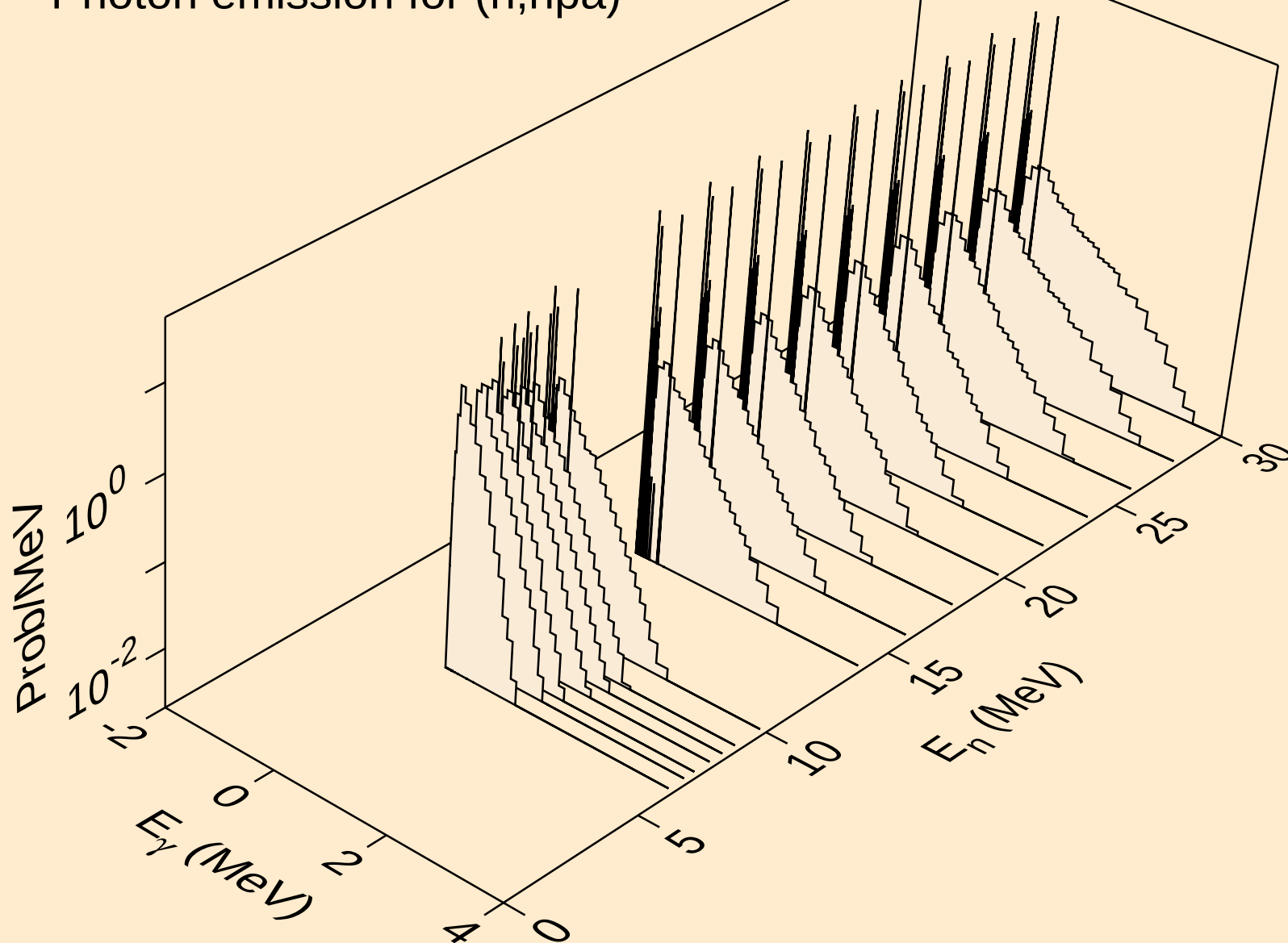
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



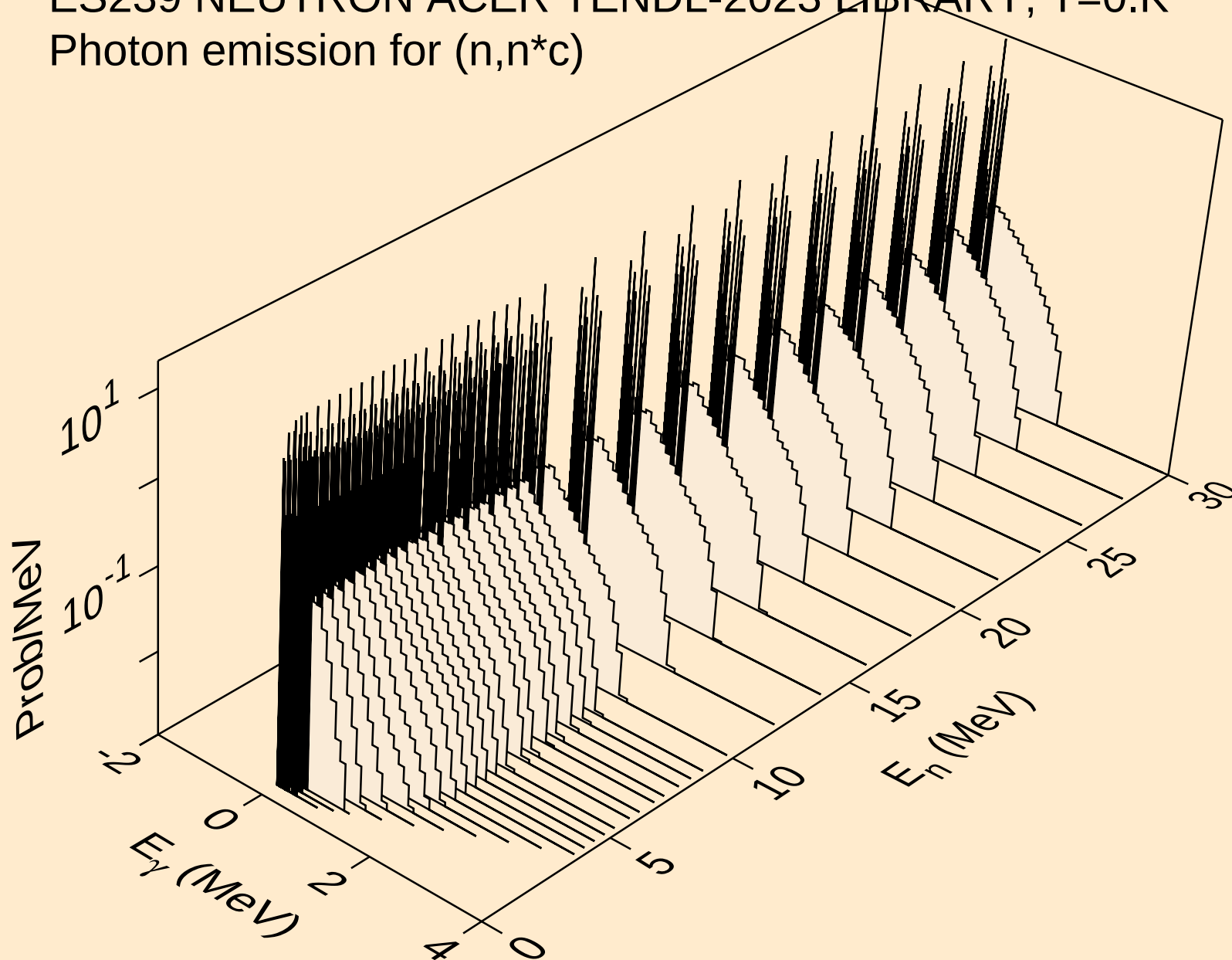
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



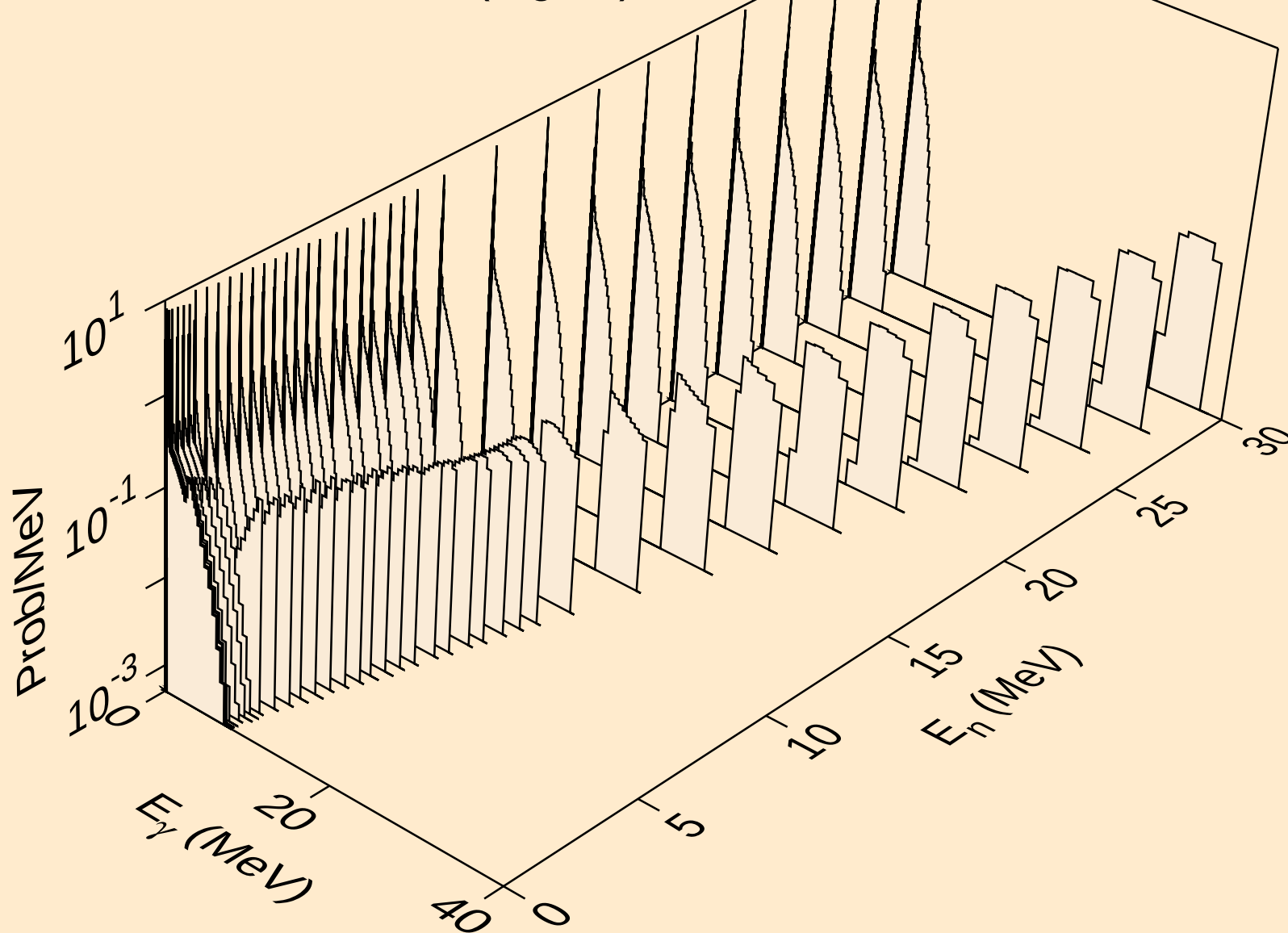
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



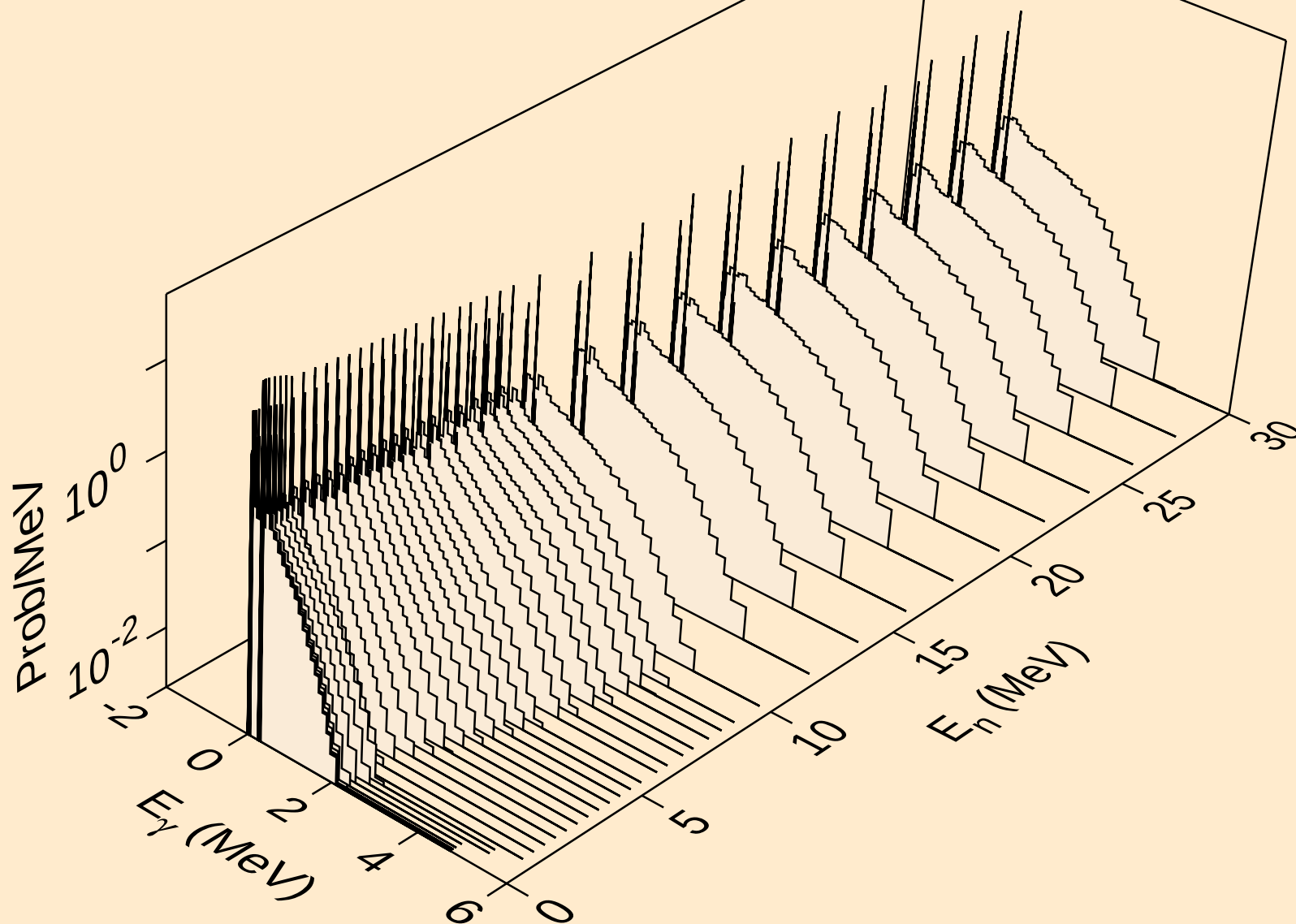
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



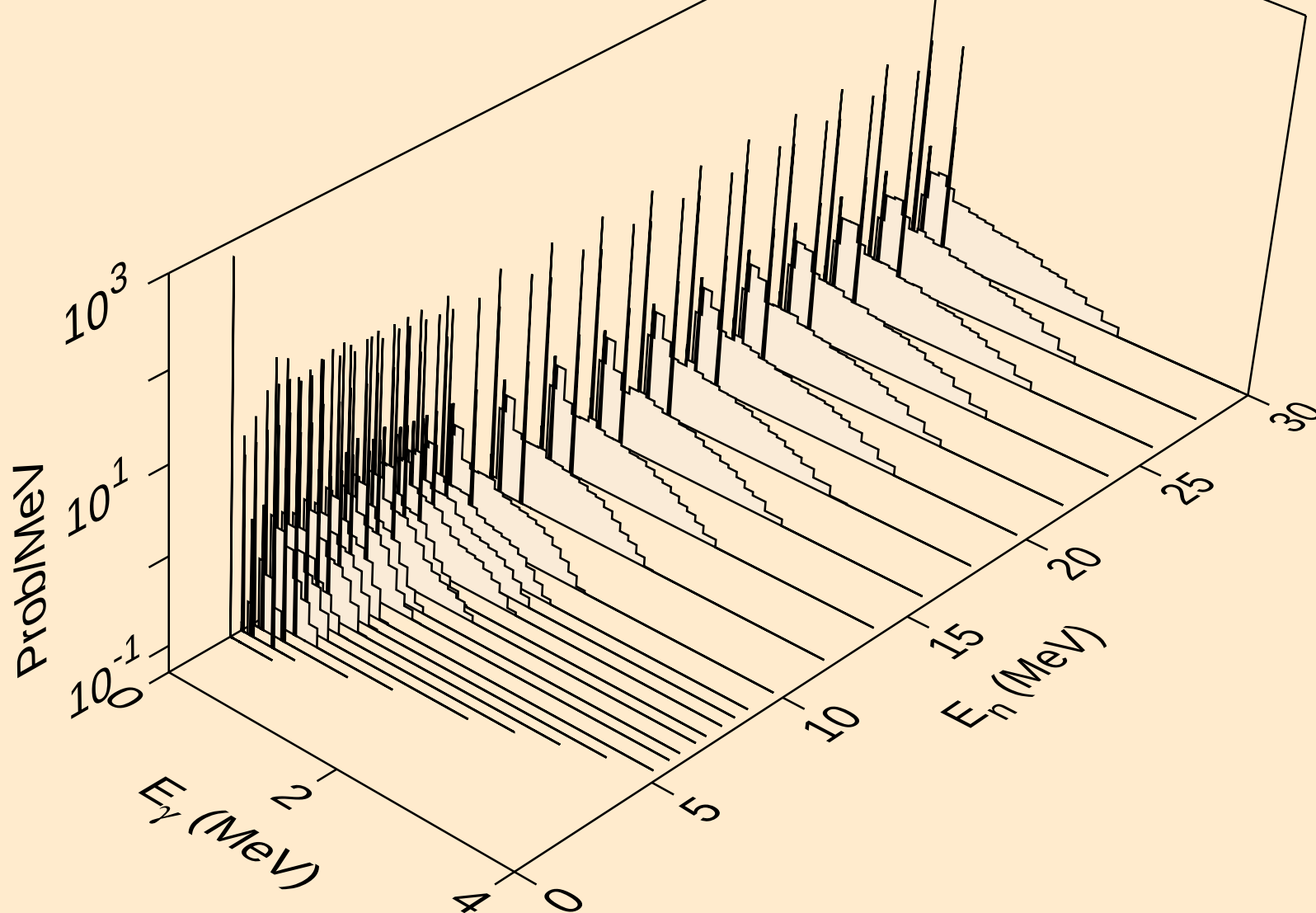
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



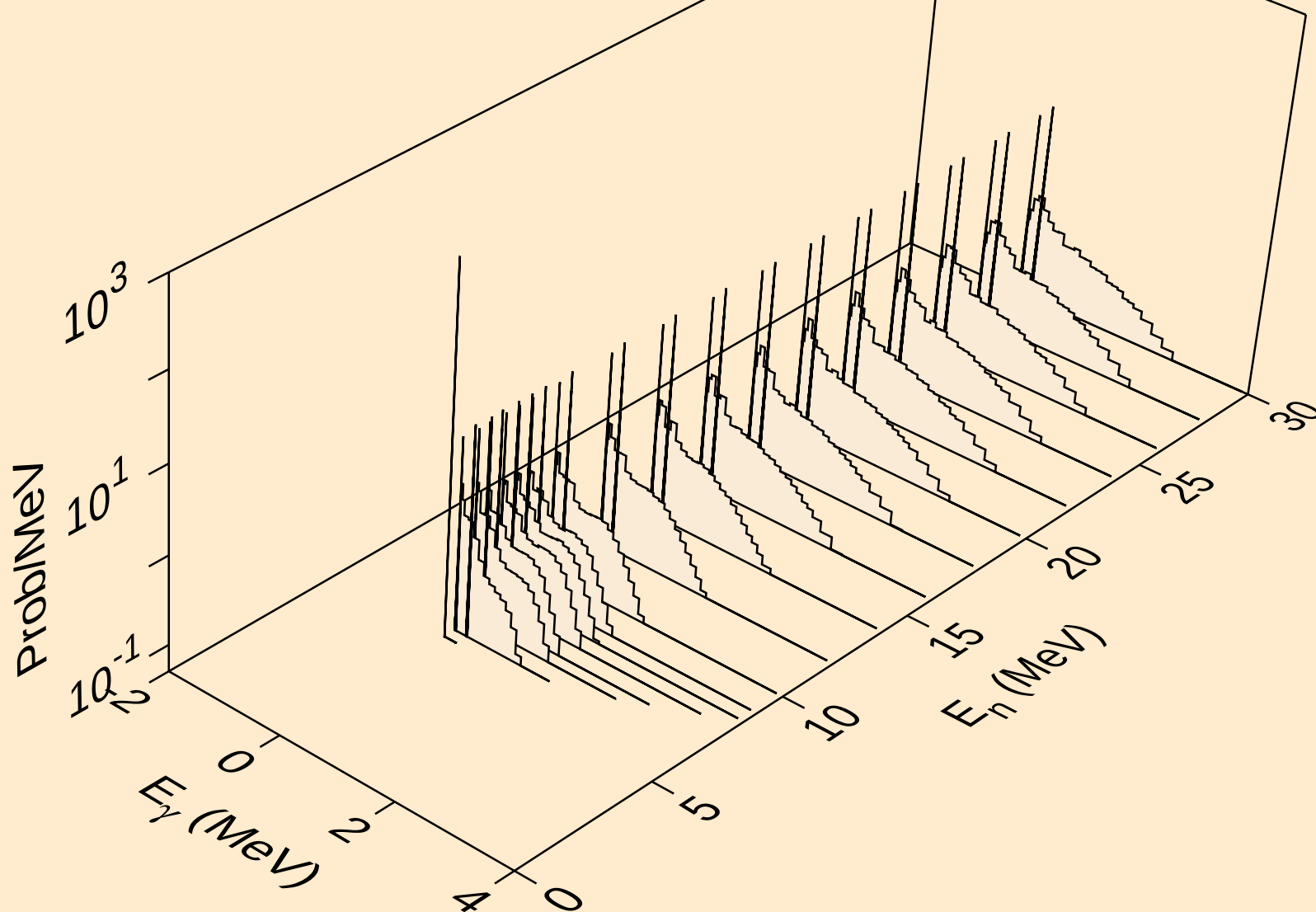
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



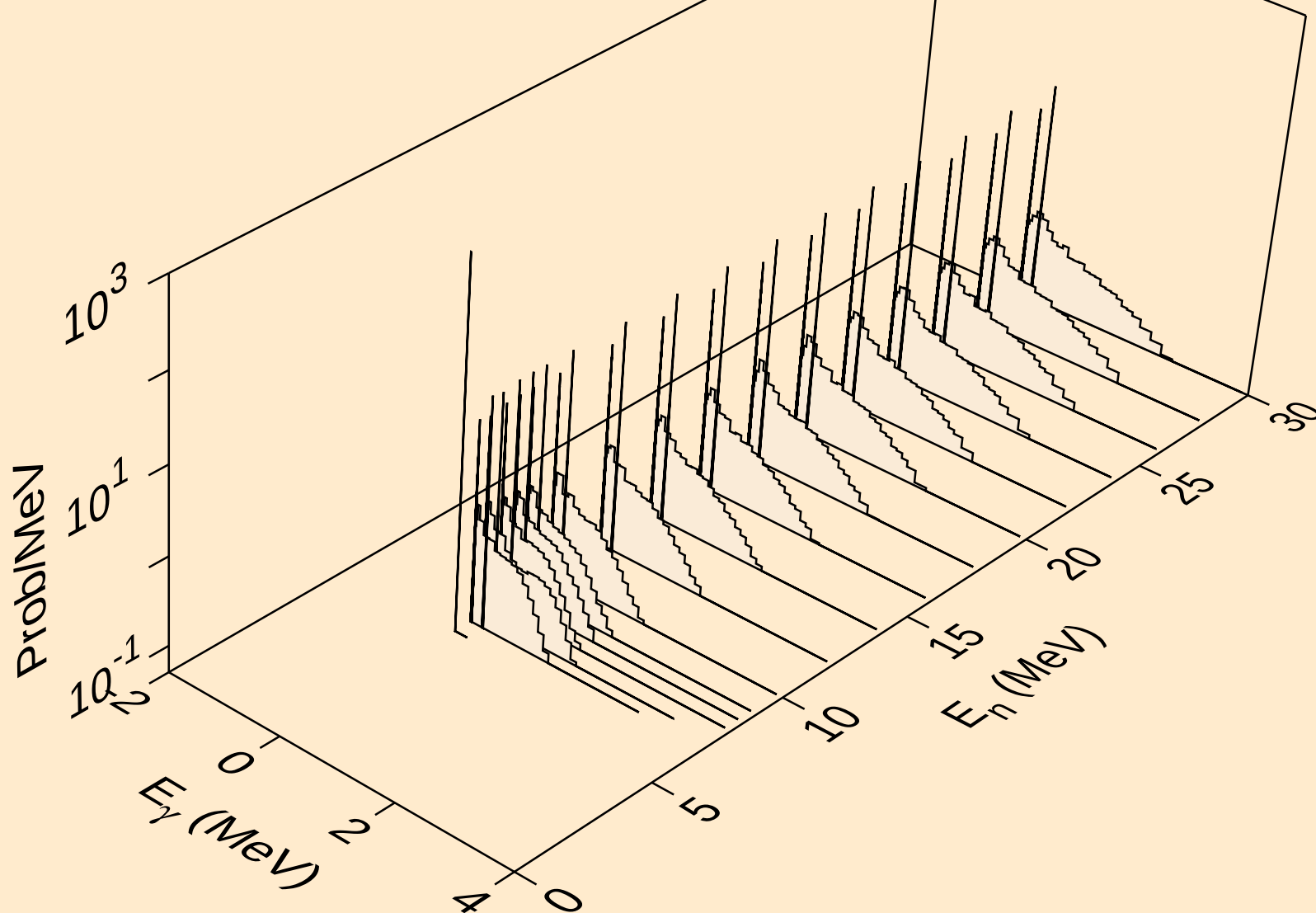
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



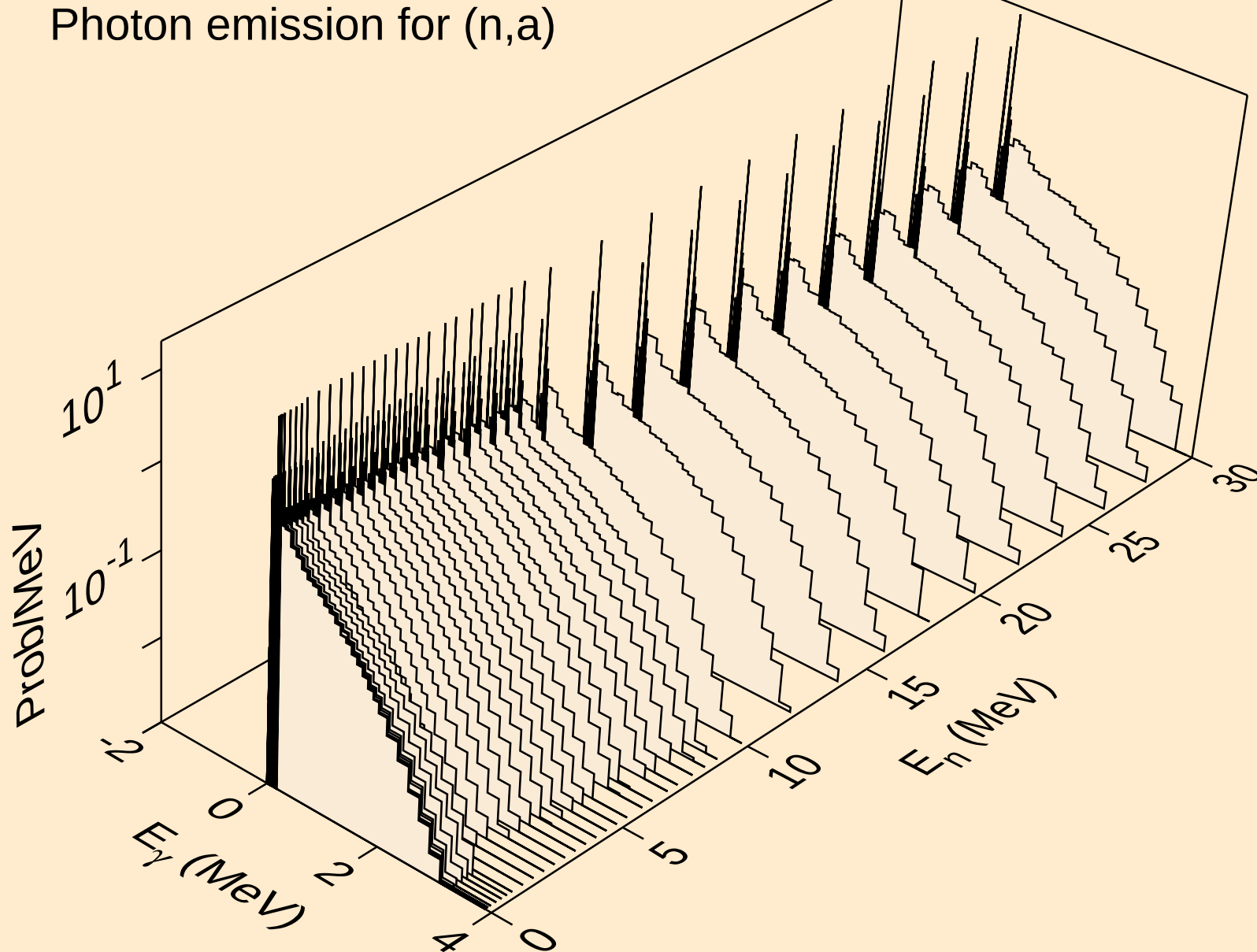
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



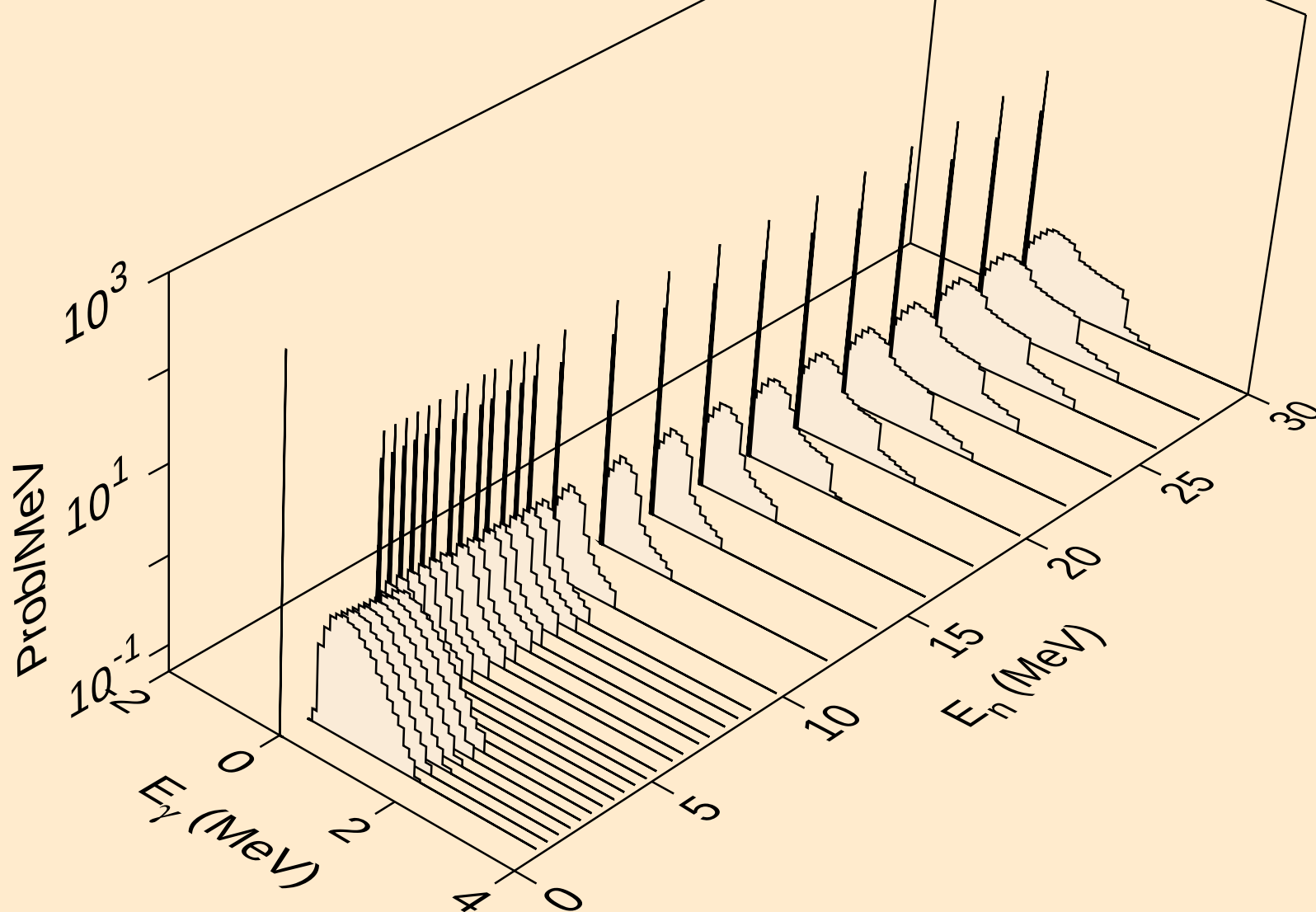
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



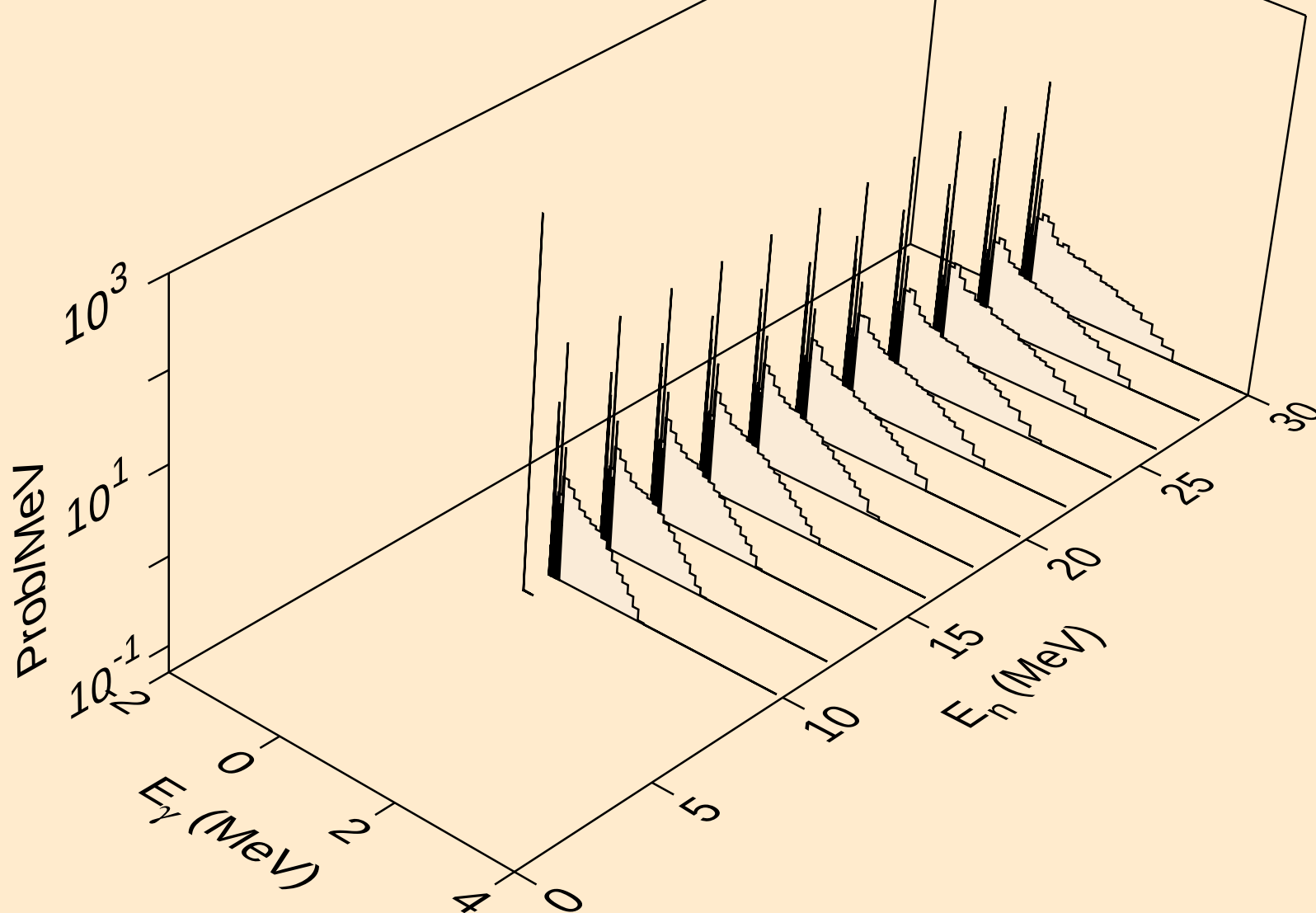
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



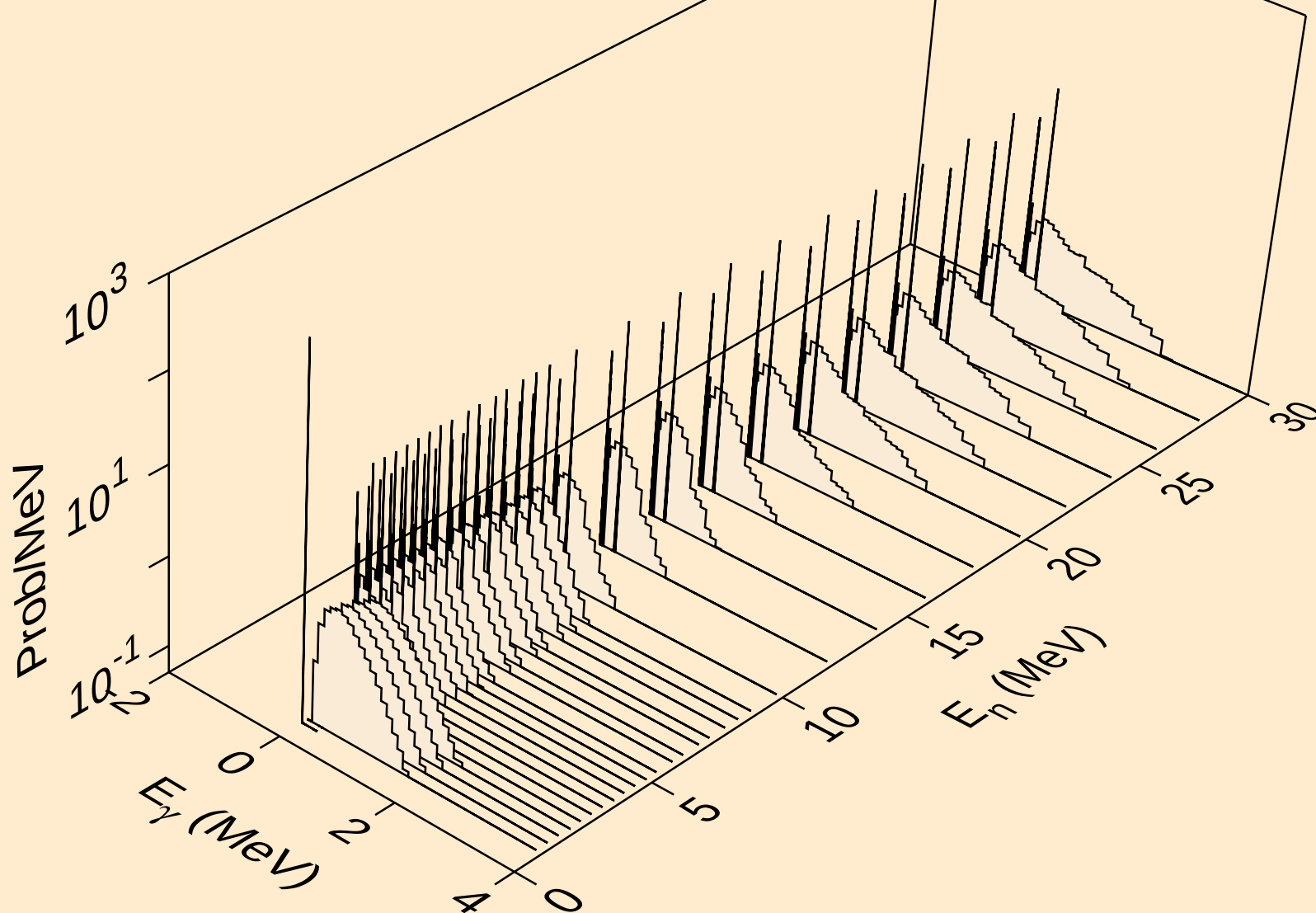
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



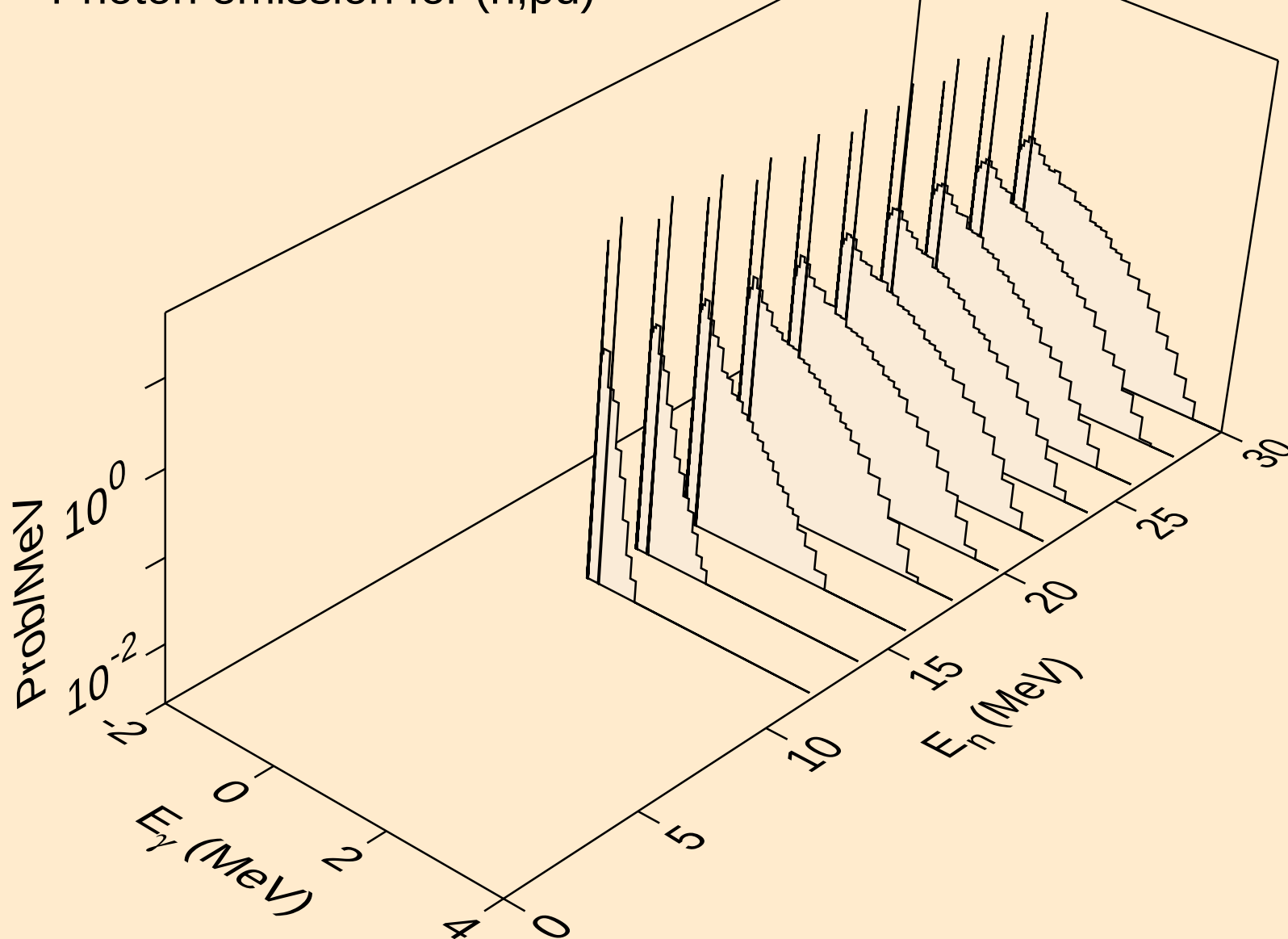
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



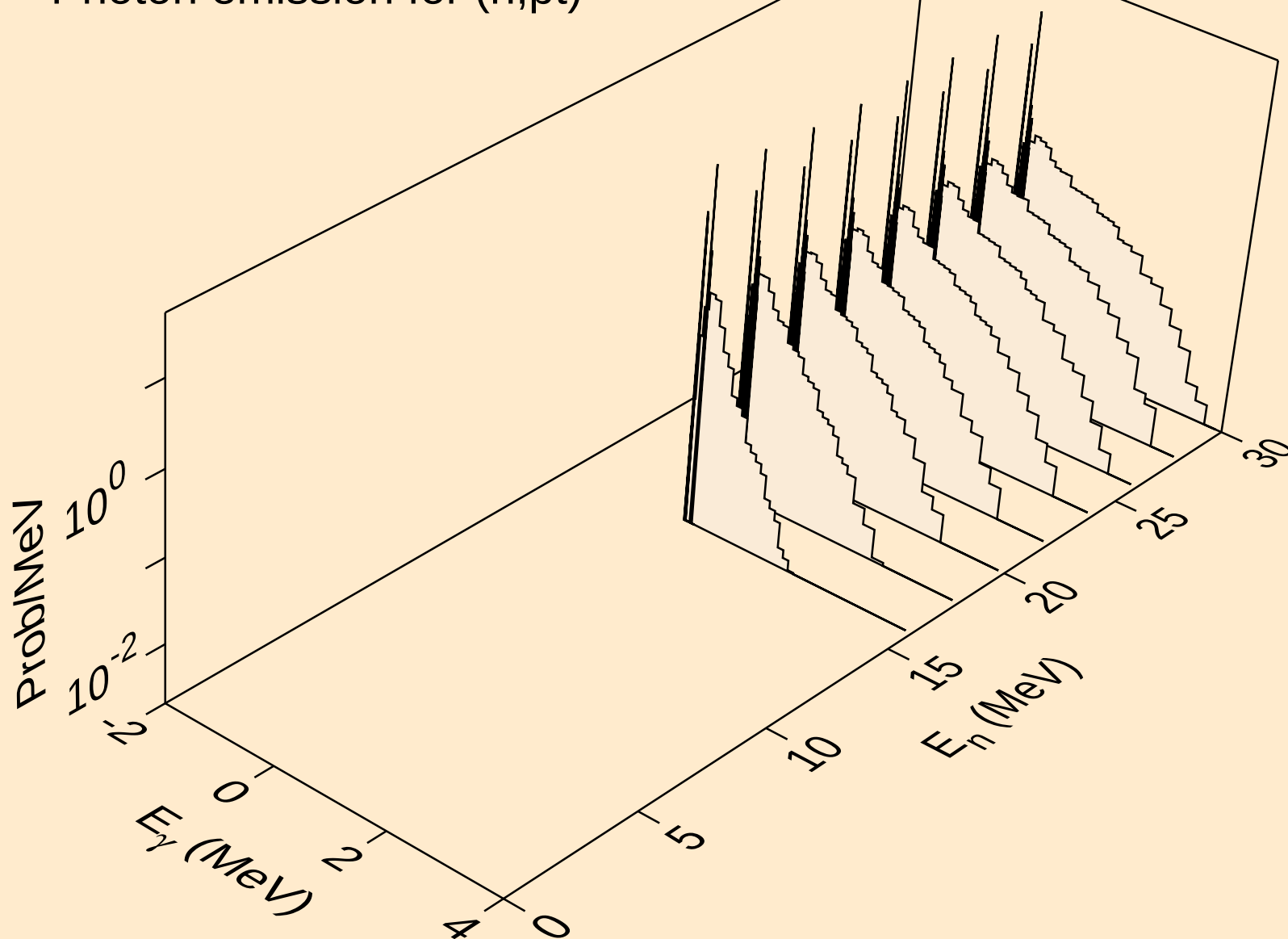
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



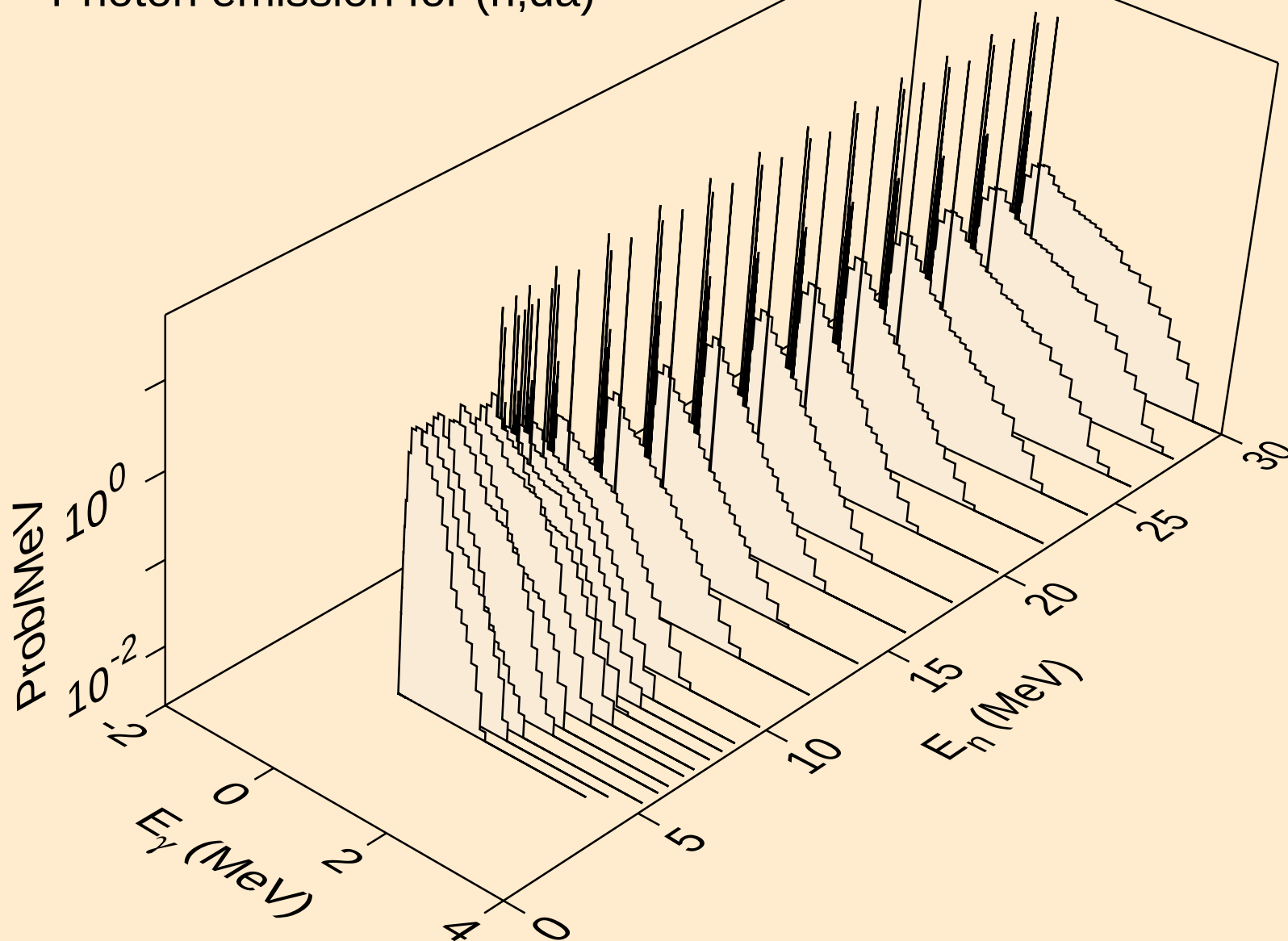
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



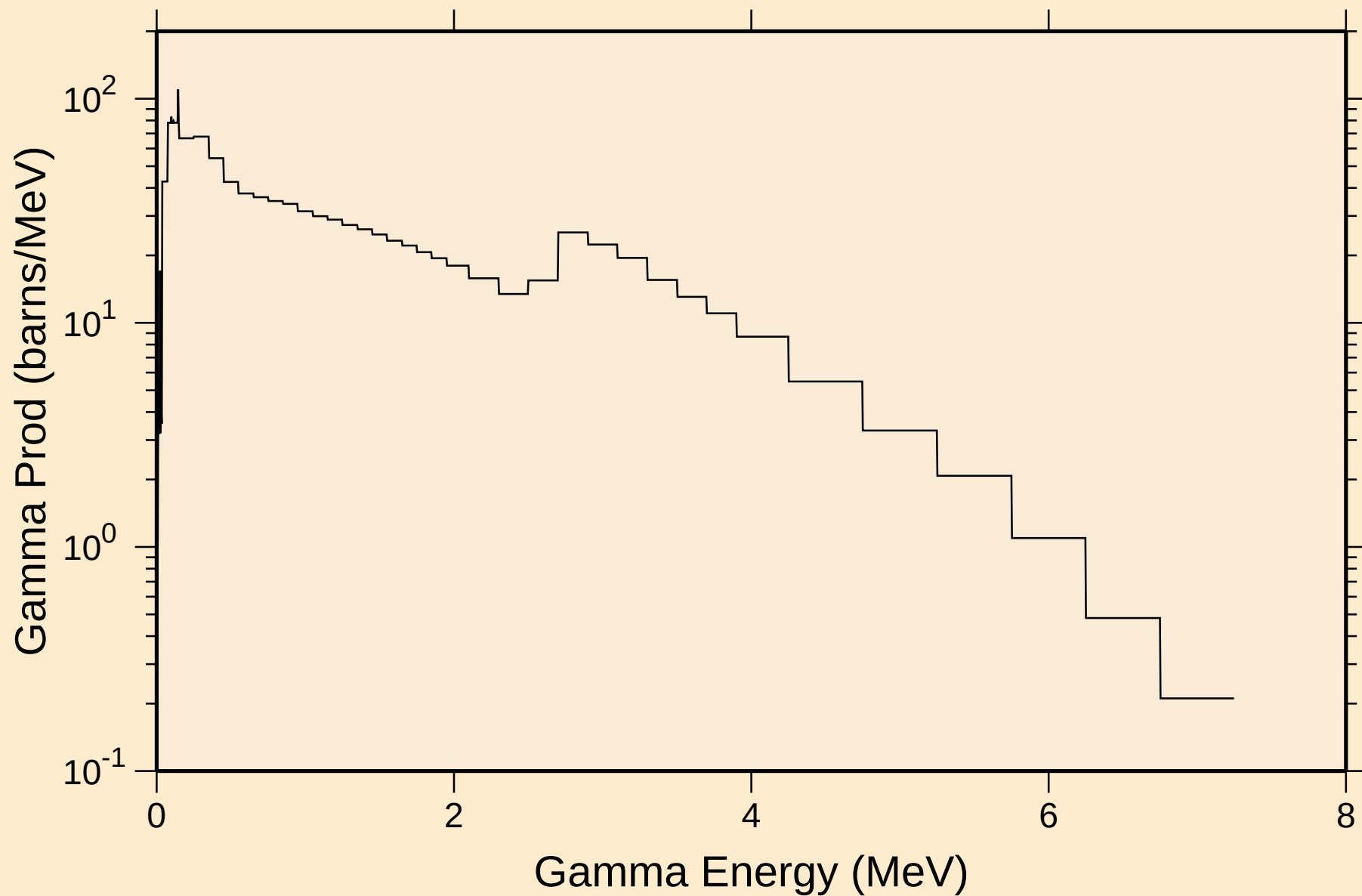
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



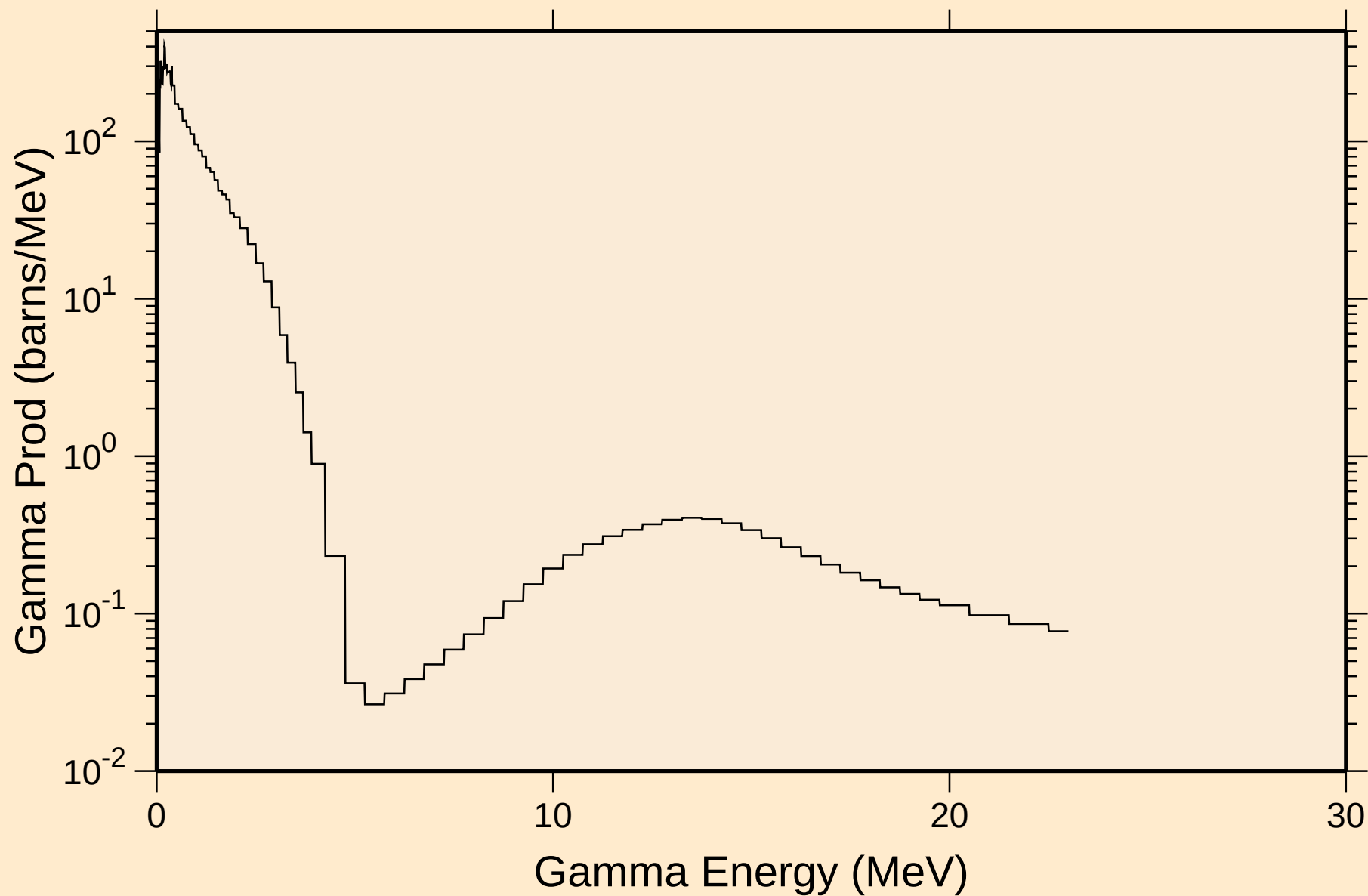
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

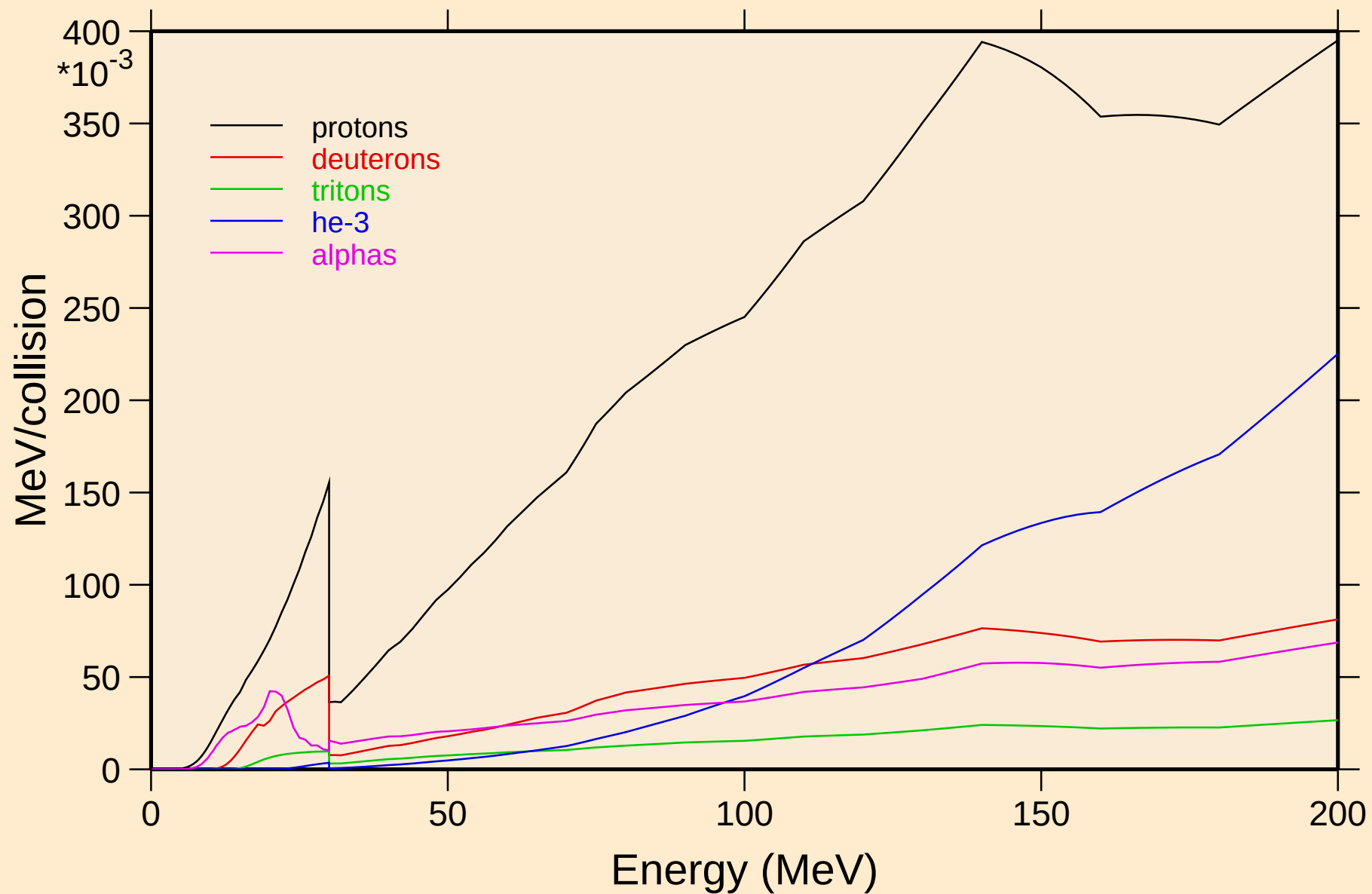


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

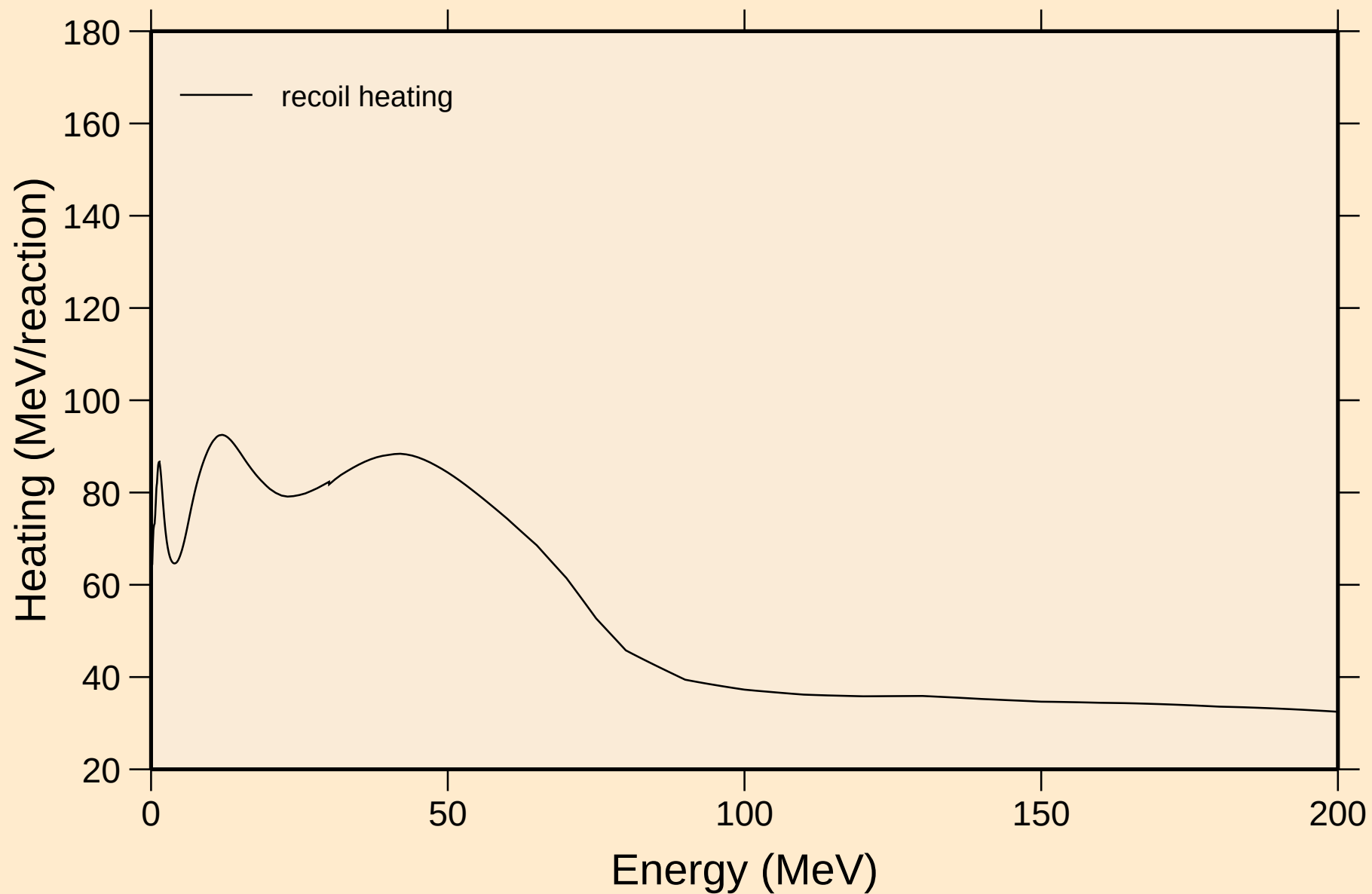


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

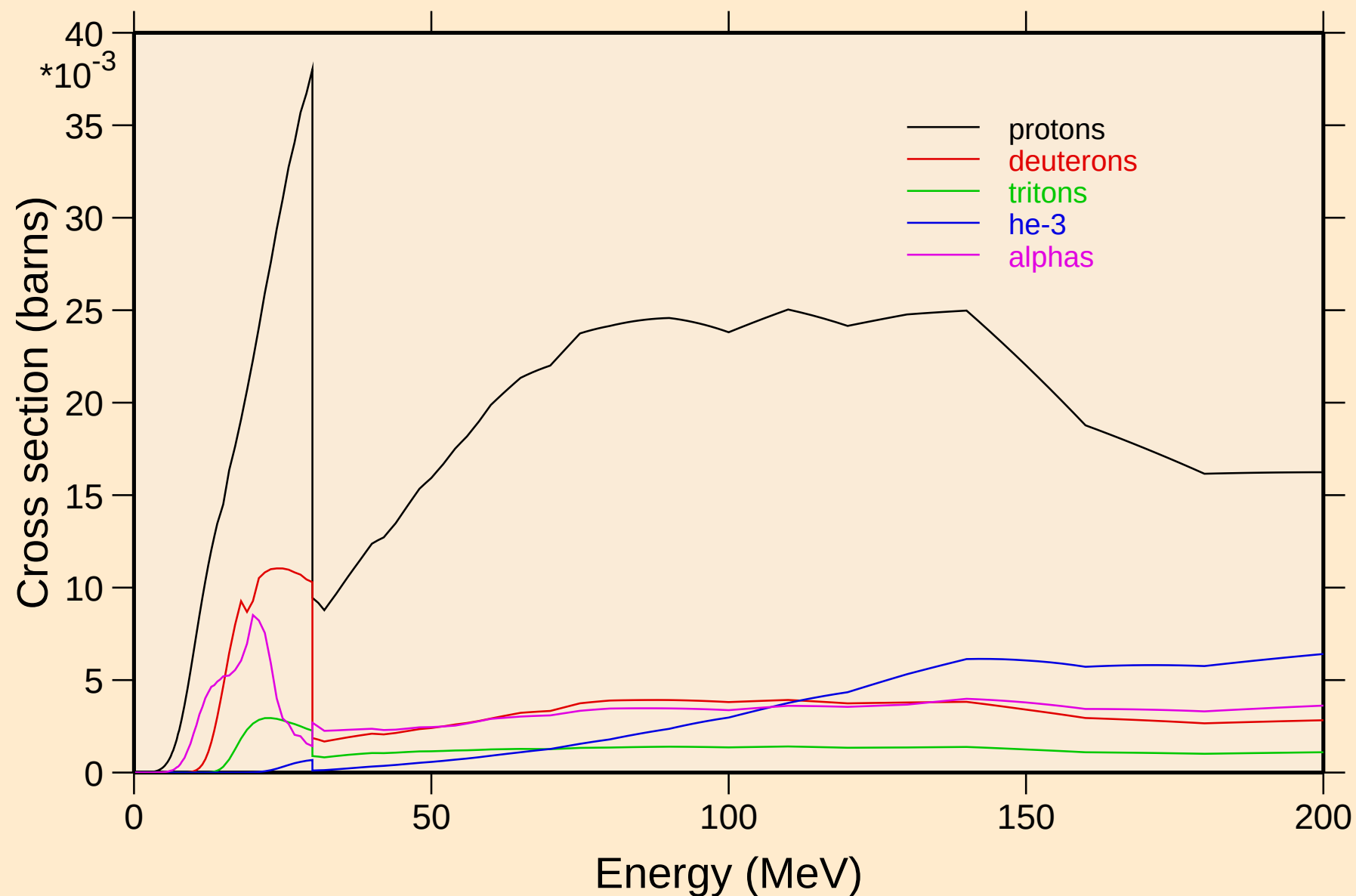


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

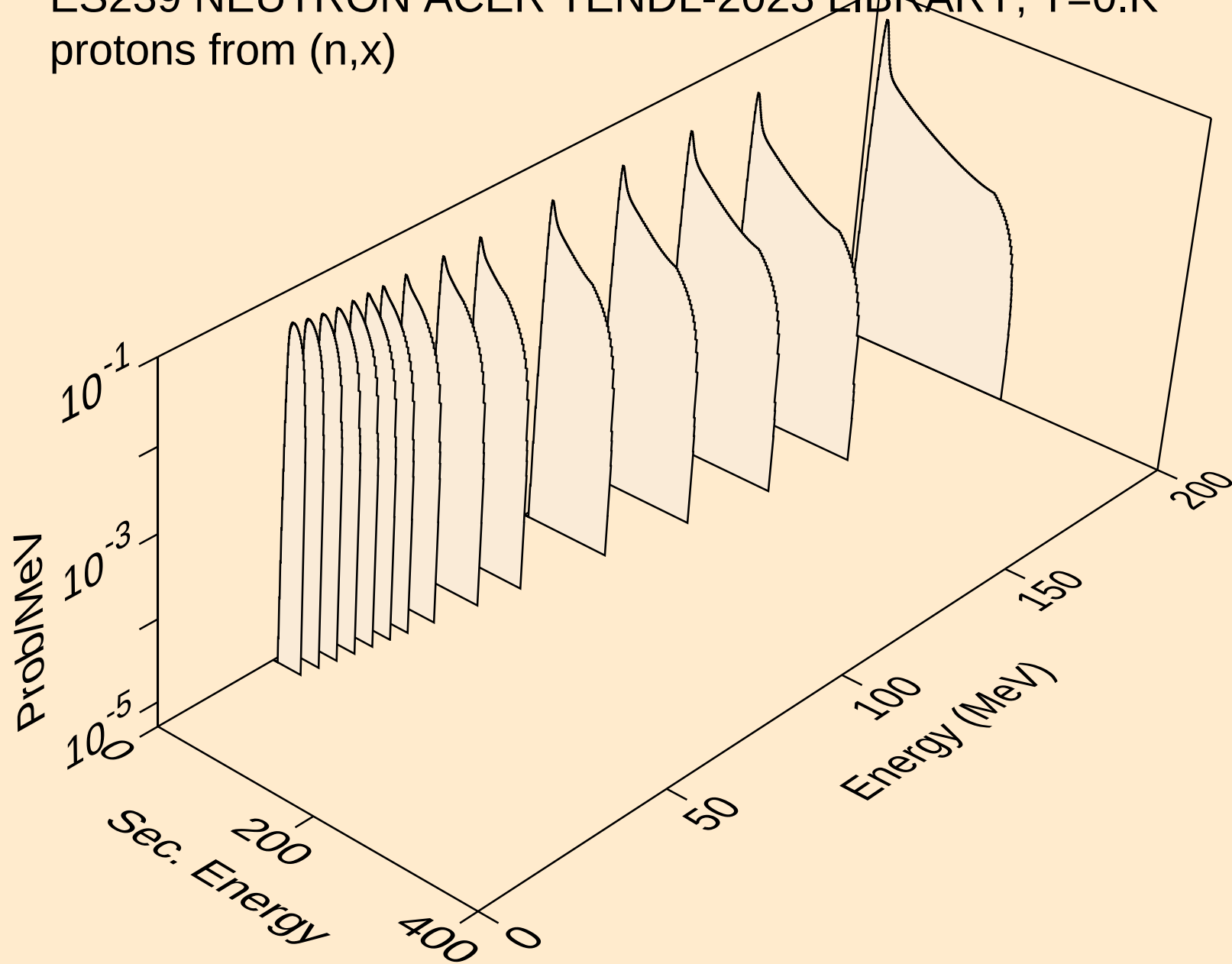


ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

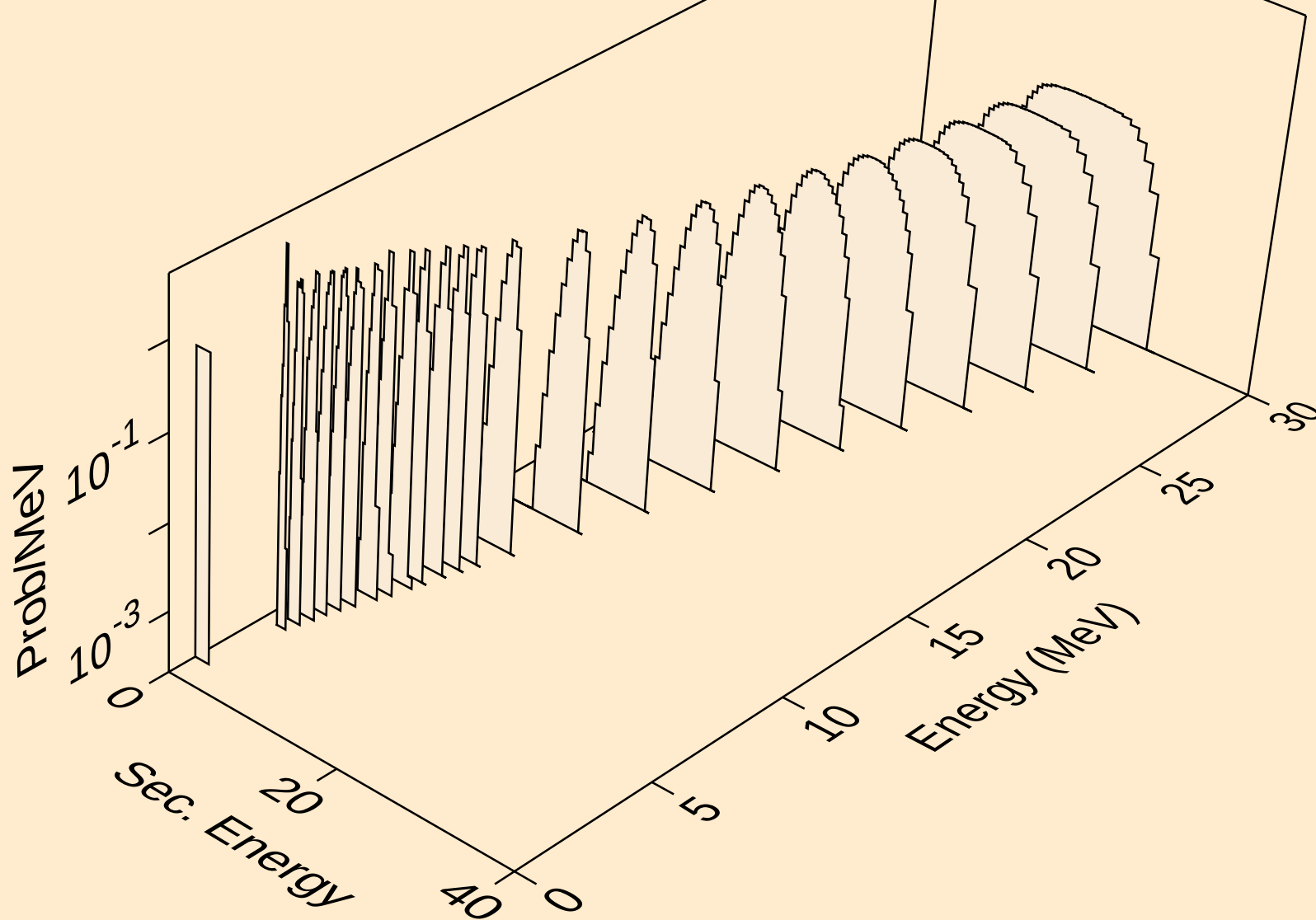
Particle production cross sections



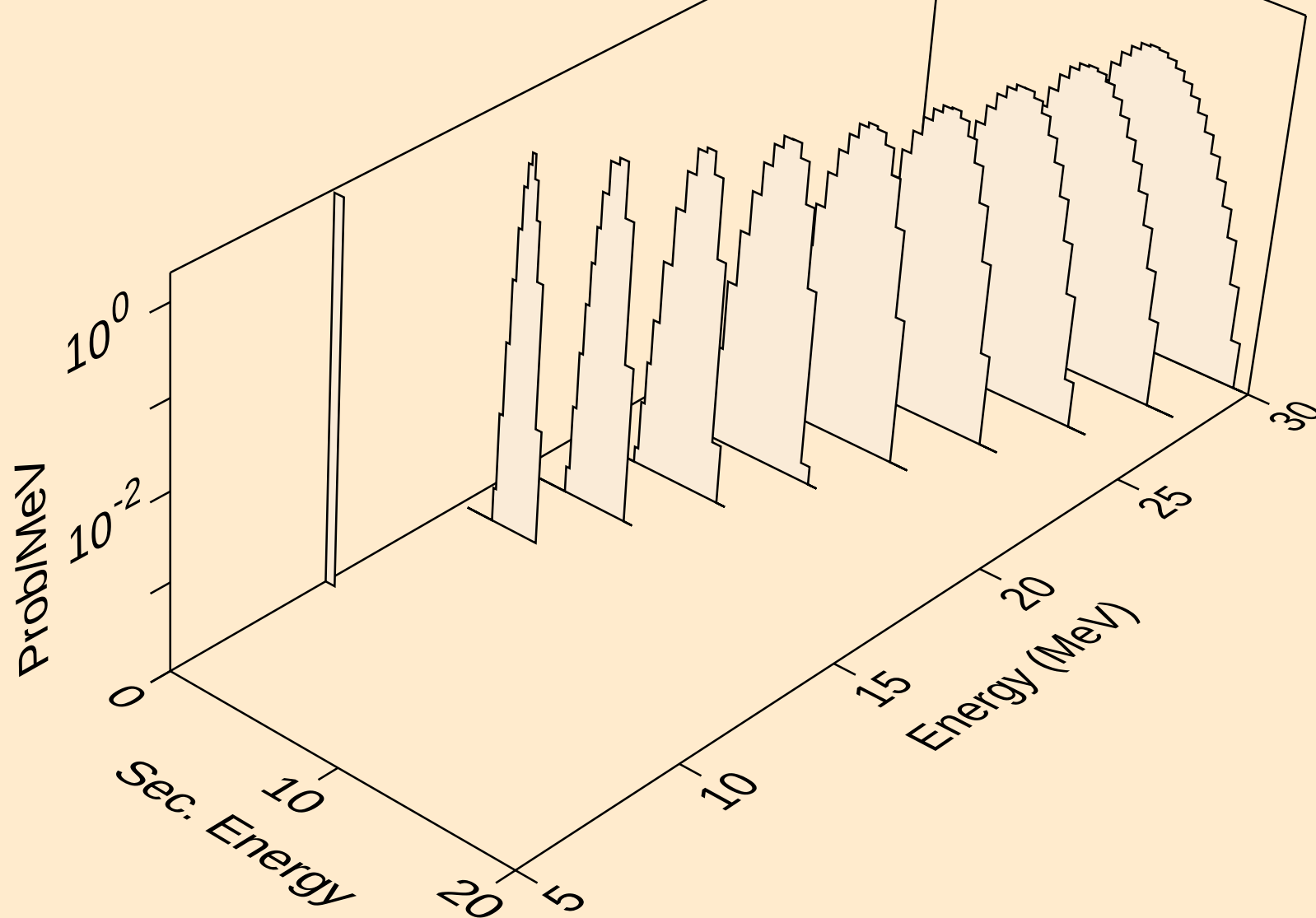
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



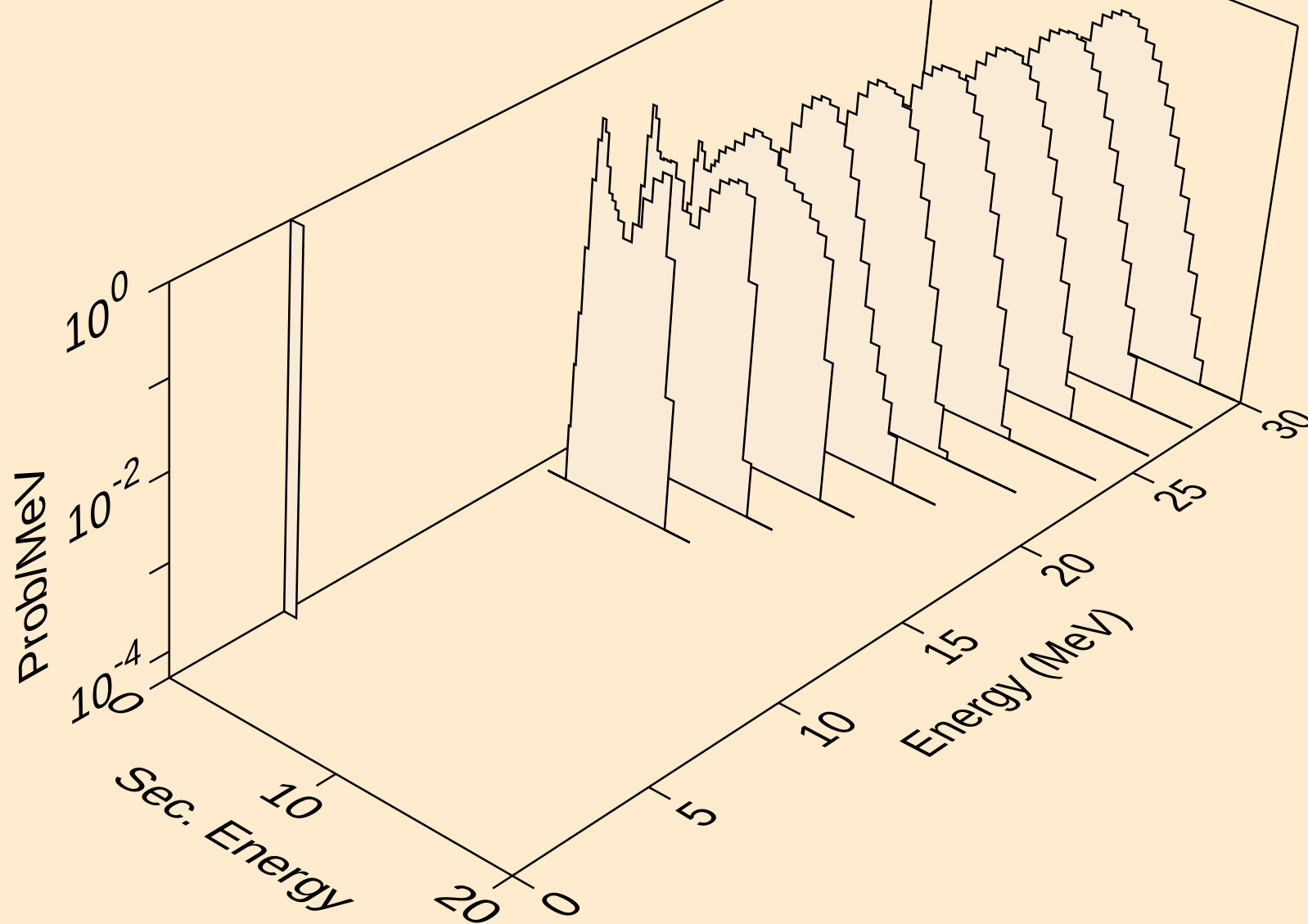
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



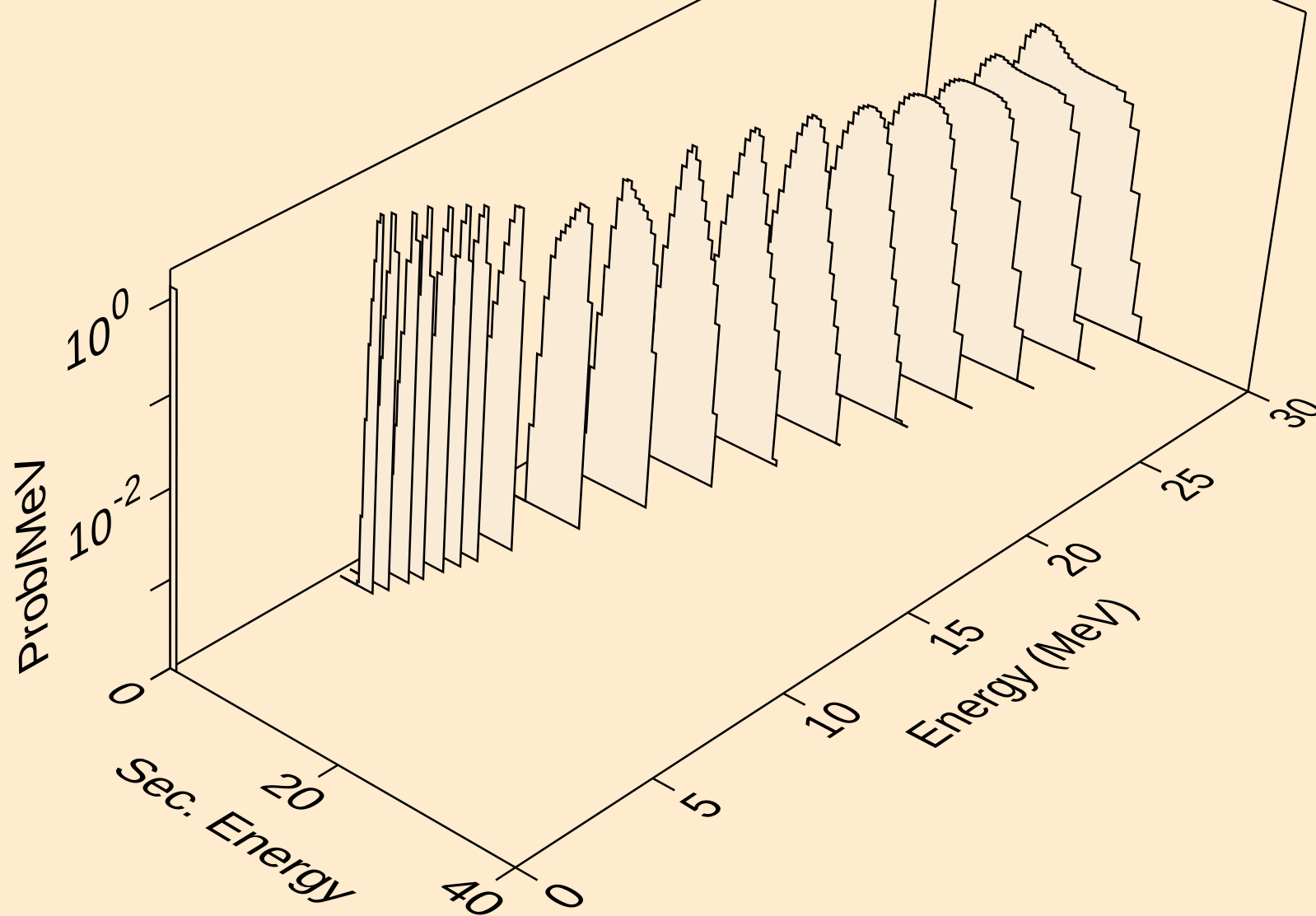
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



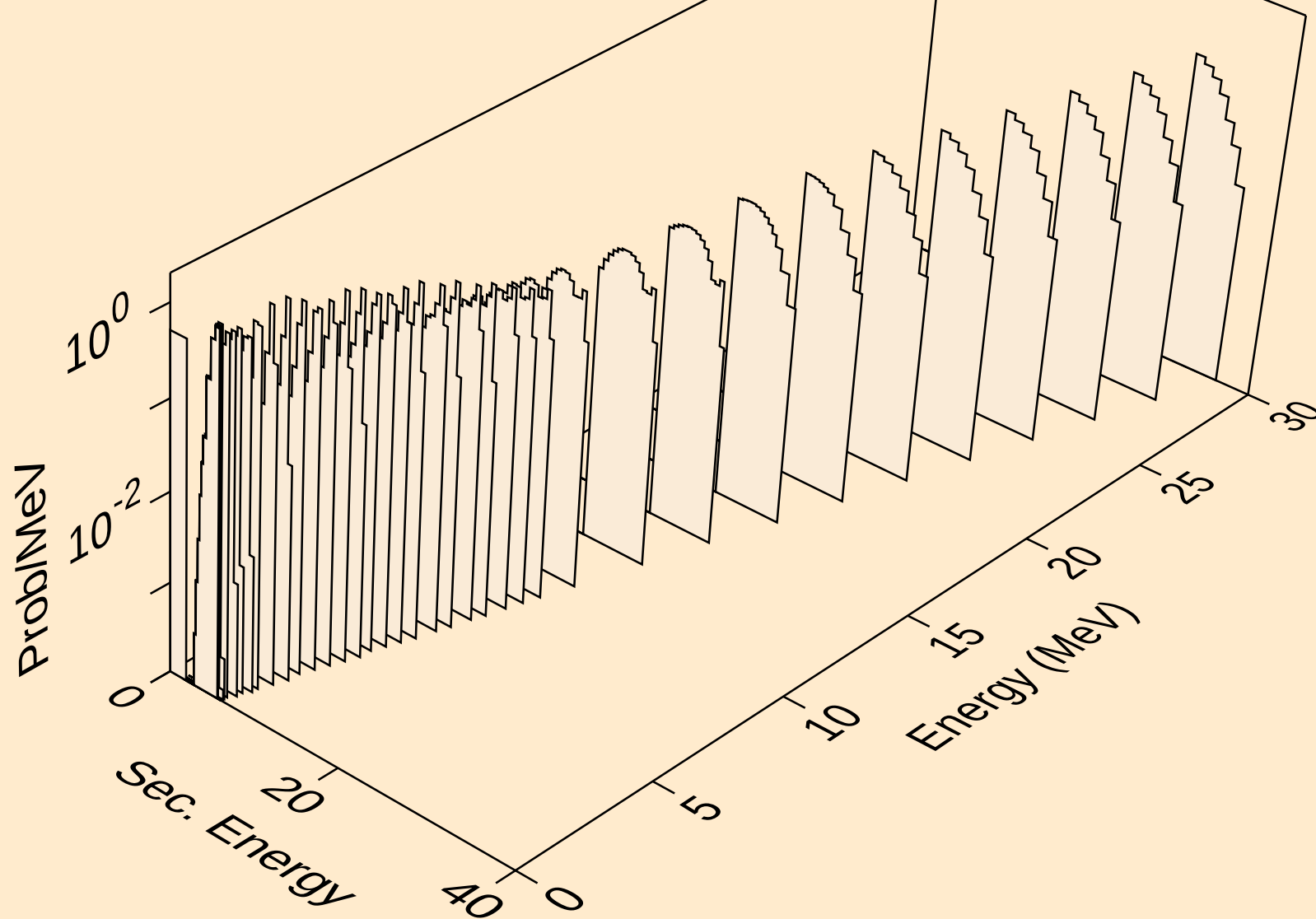
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protons from (n,n2p)



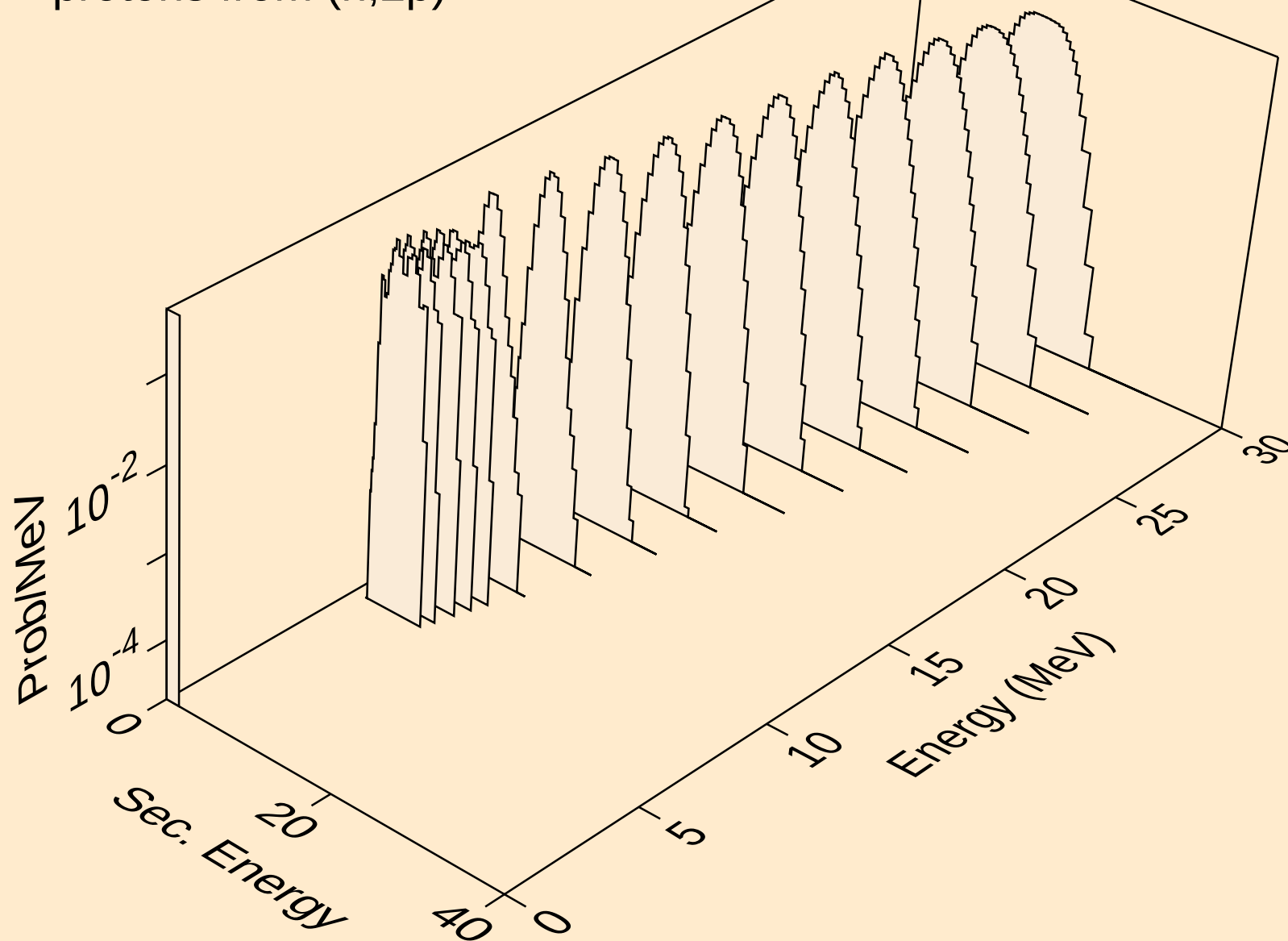
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protons from (n,npa)



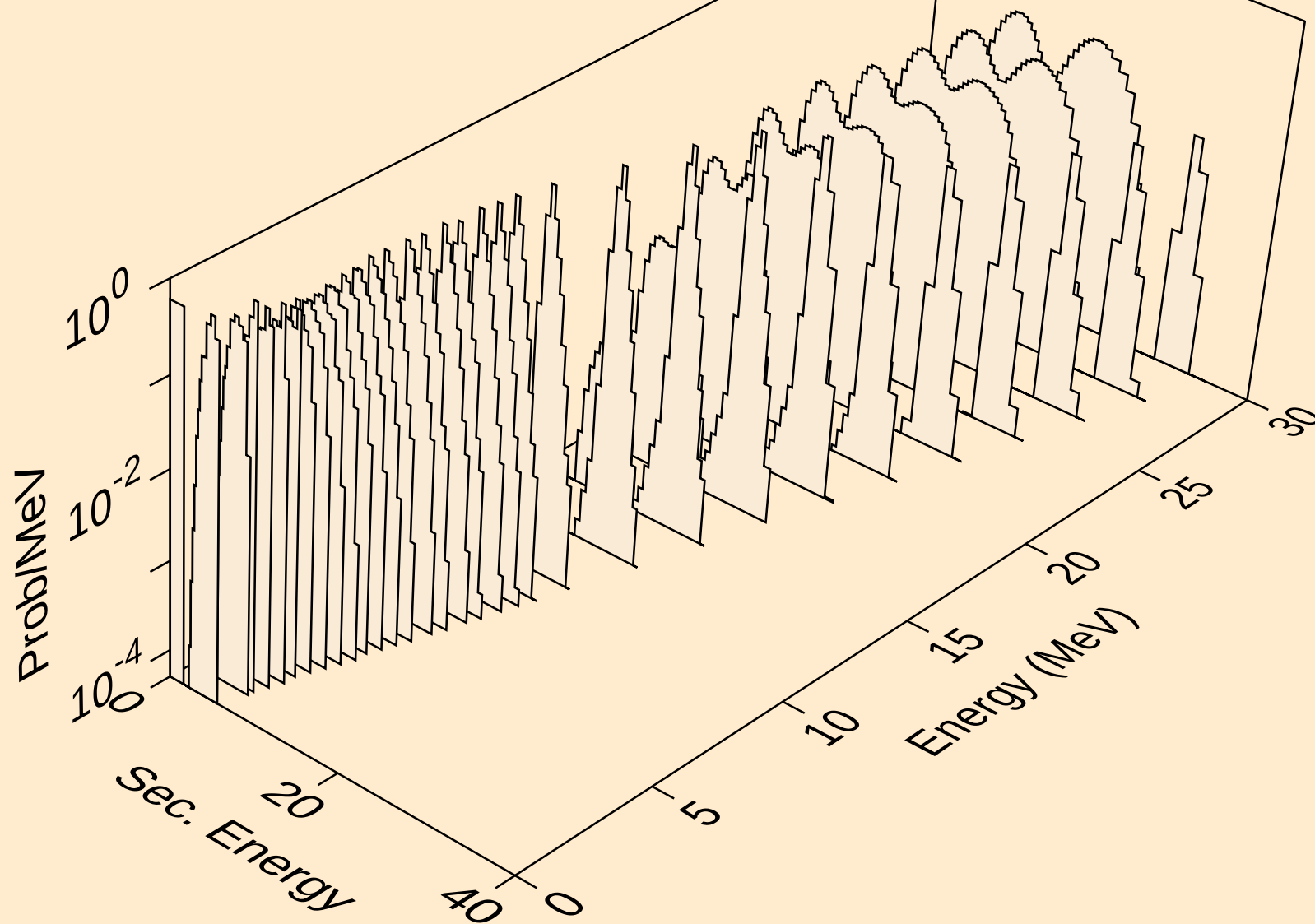
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protons from (n,p)



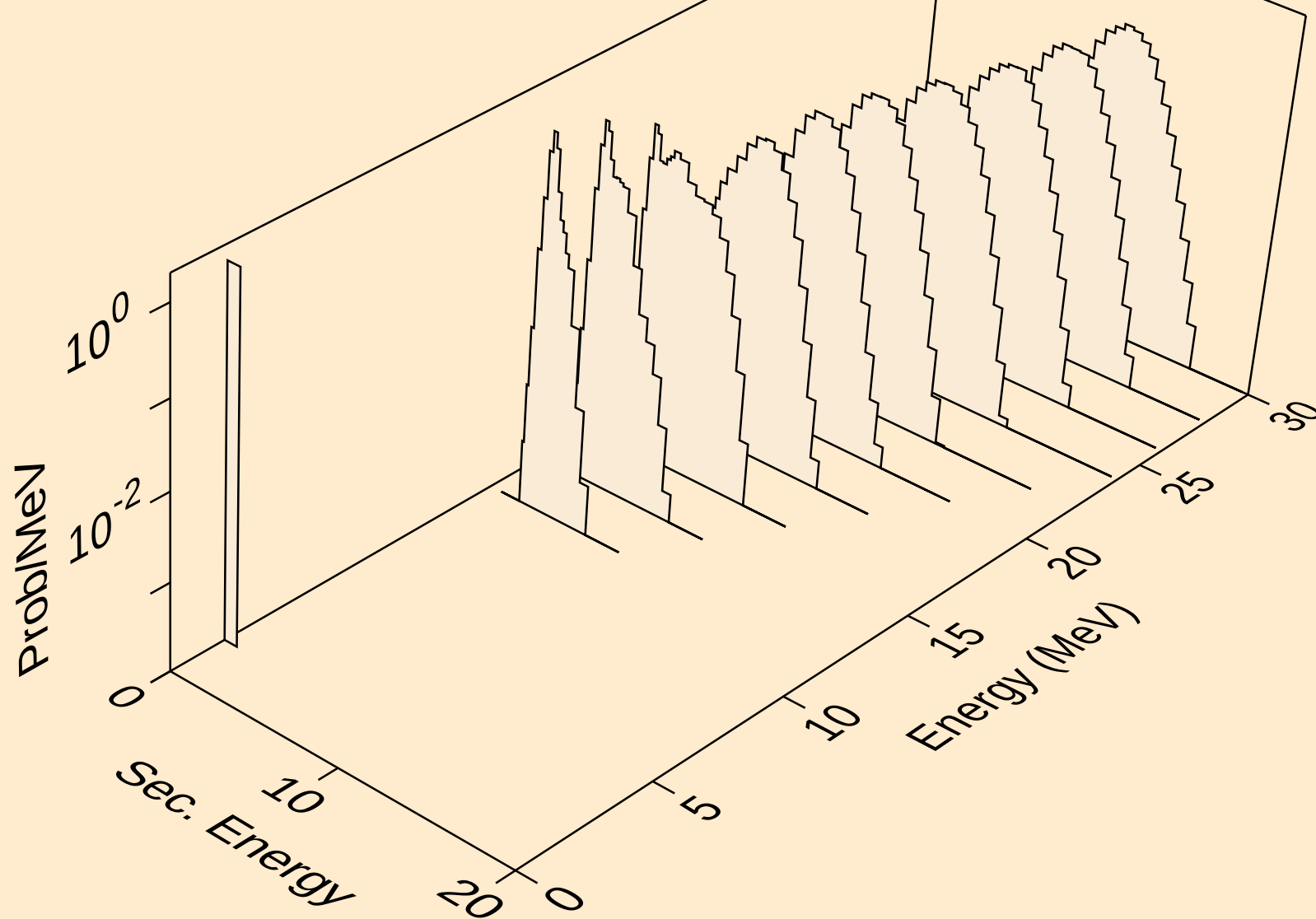
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protons from (n,2p)



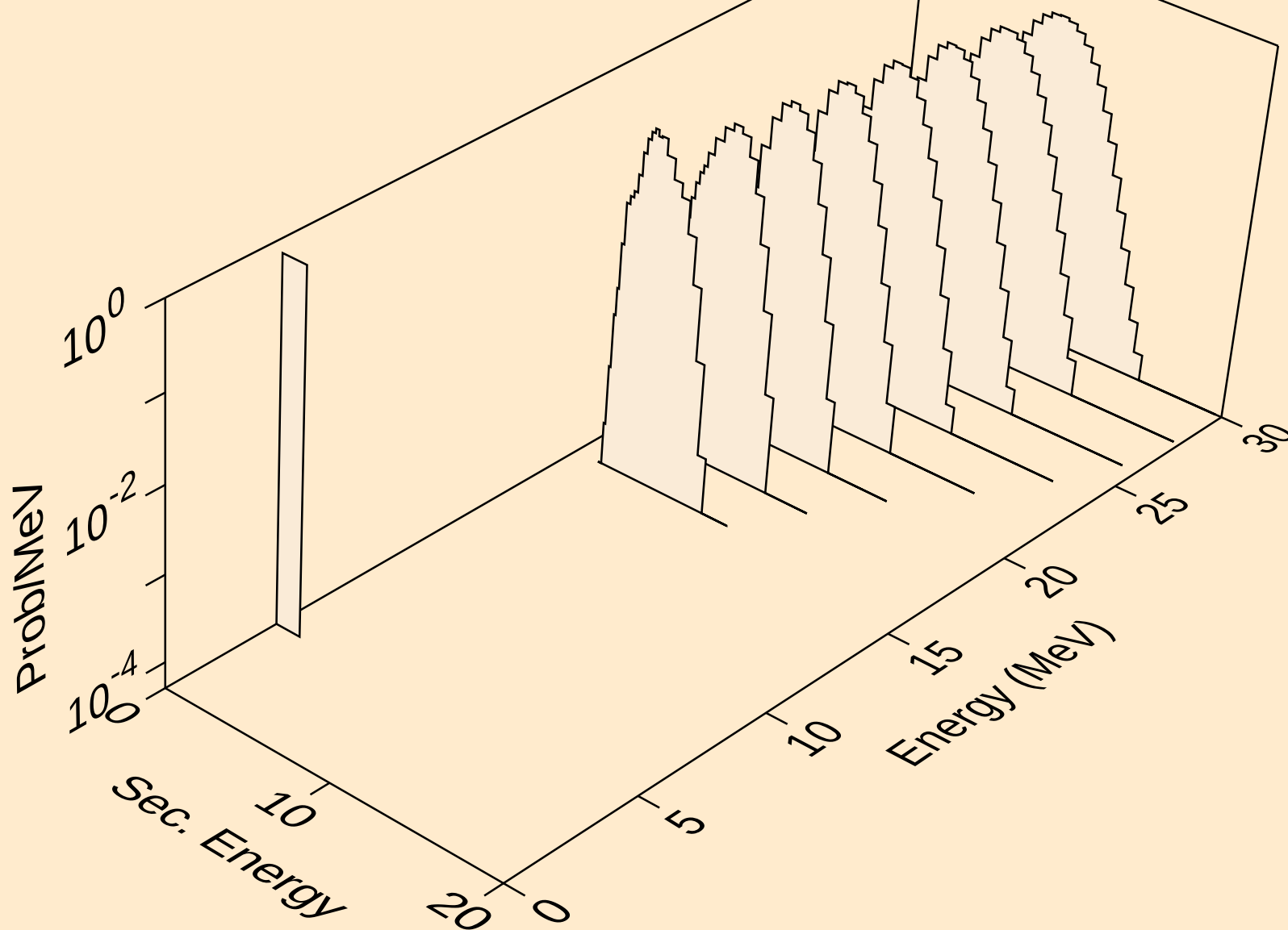
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protons from (n,p)



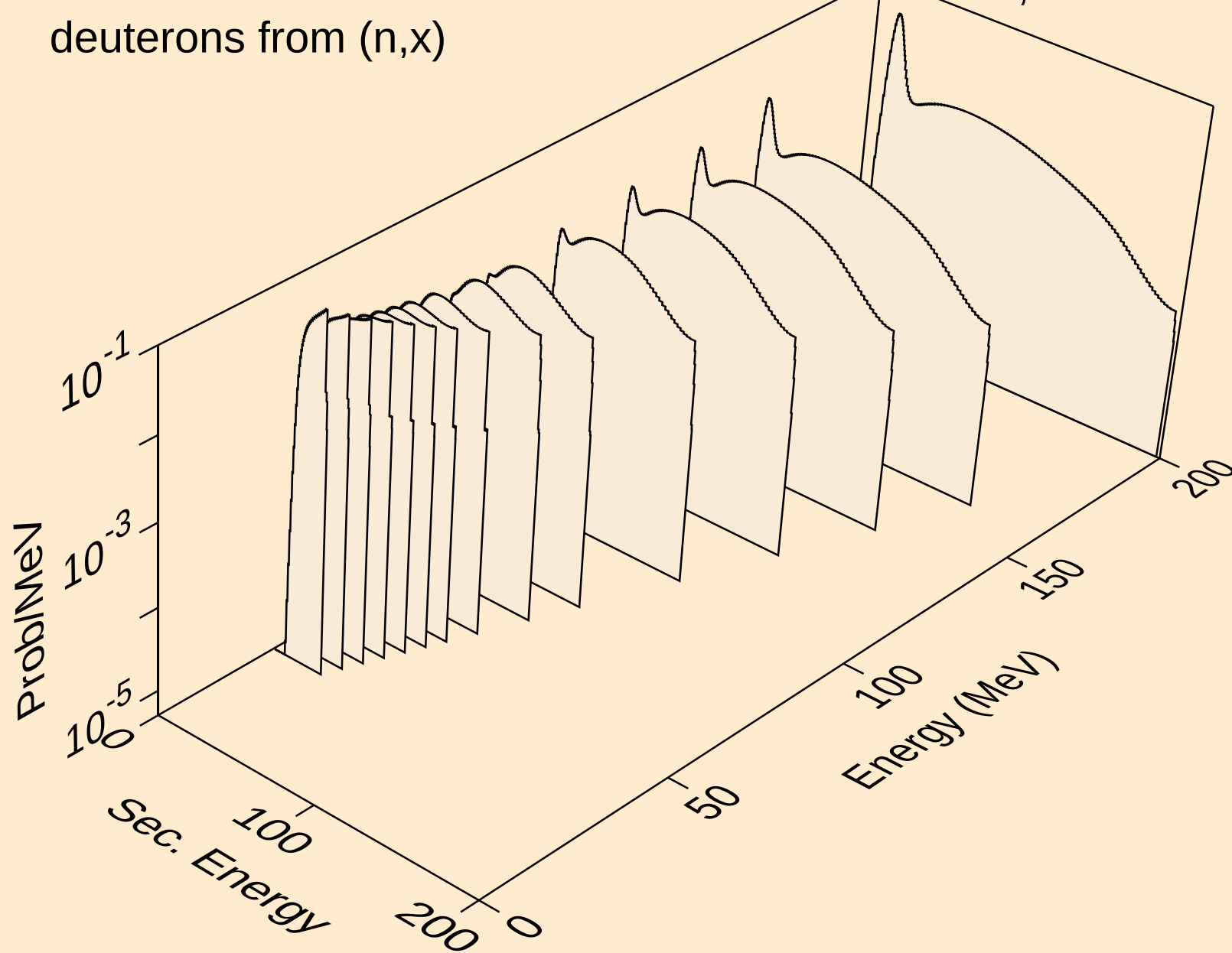
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



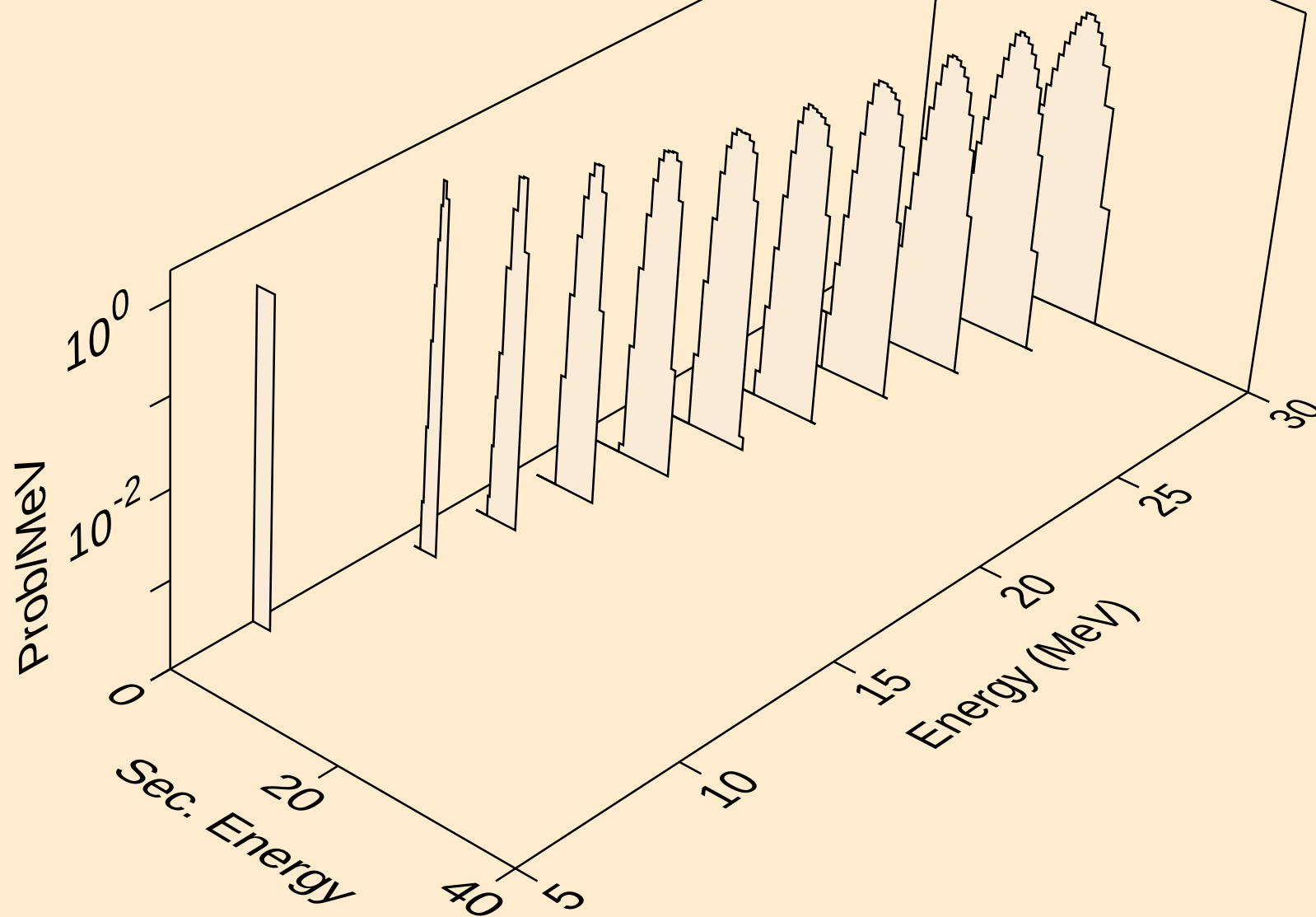
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



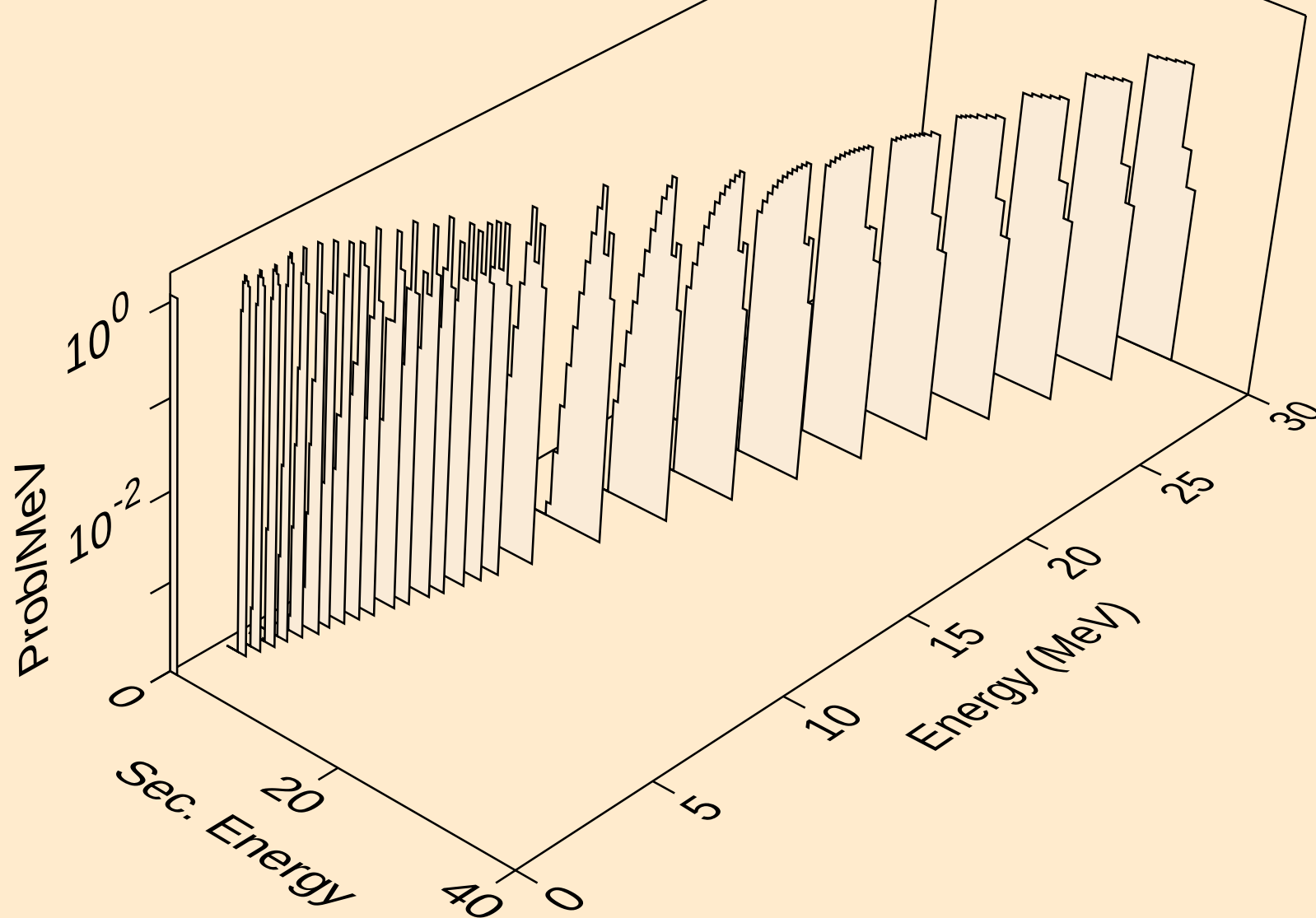
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



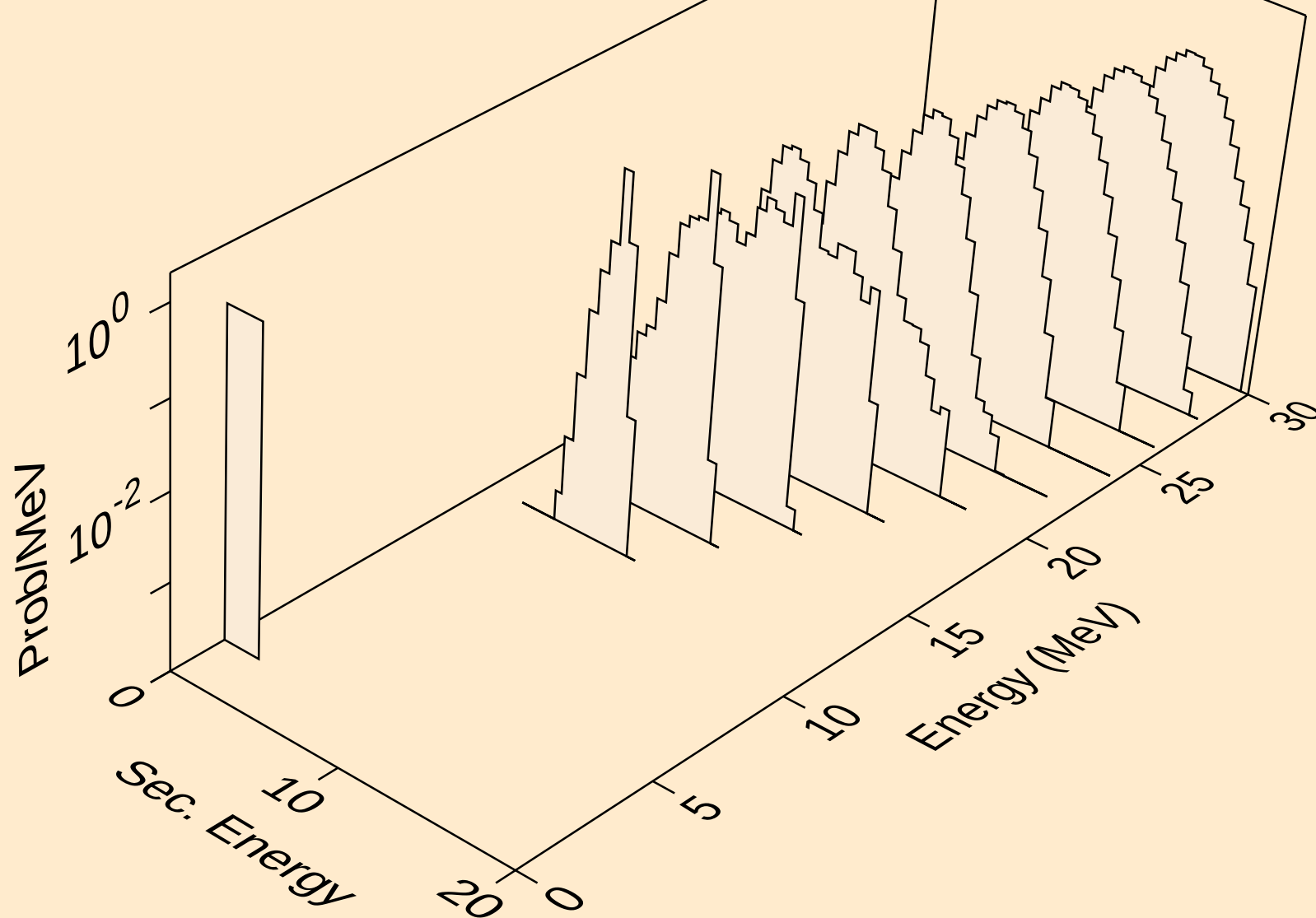
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



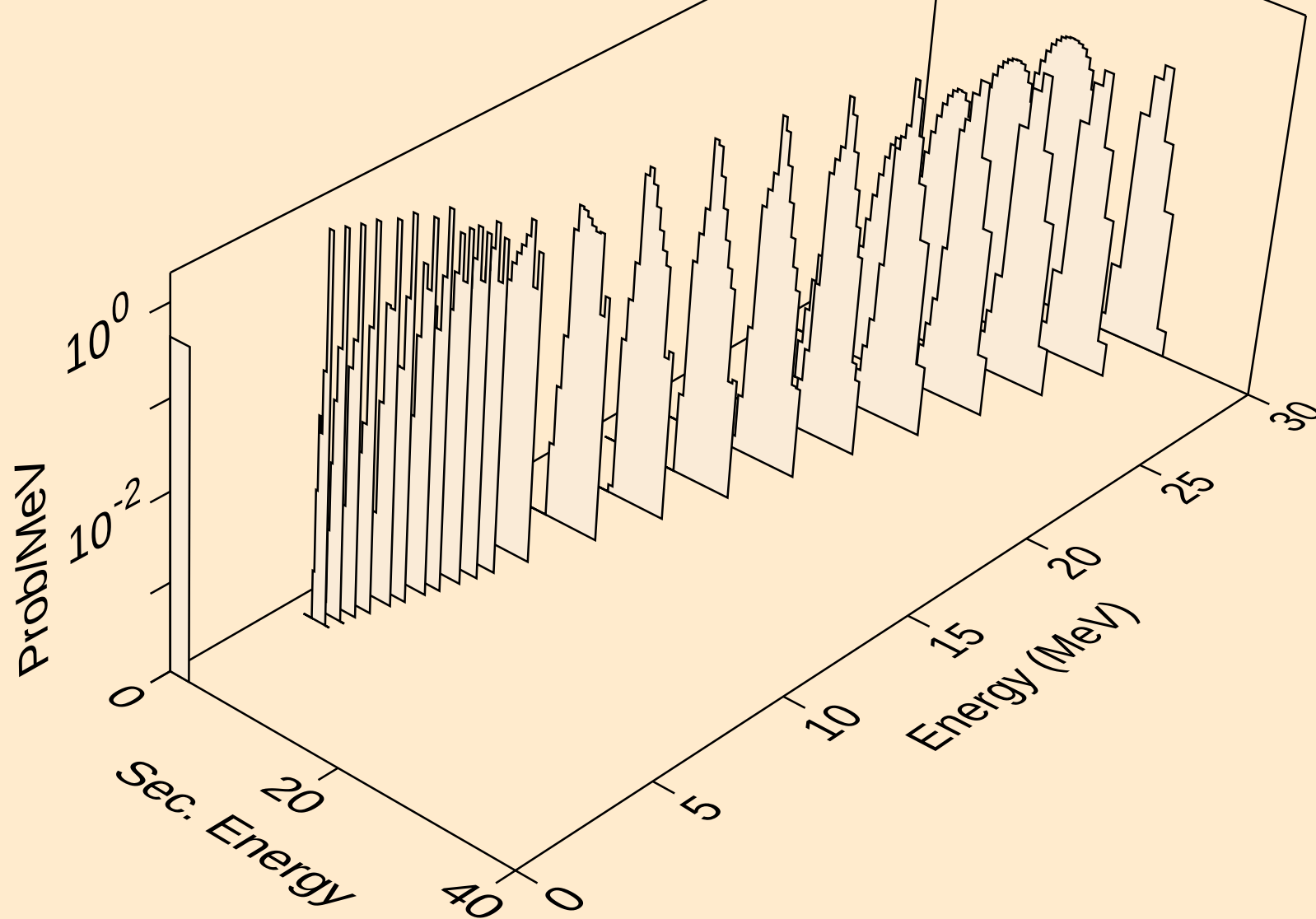
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



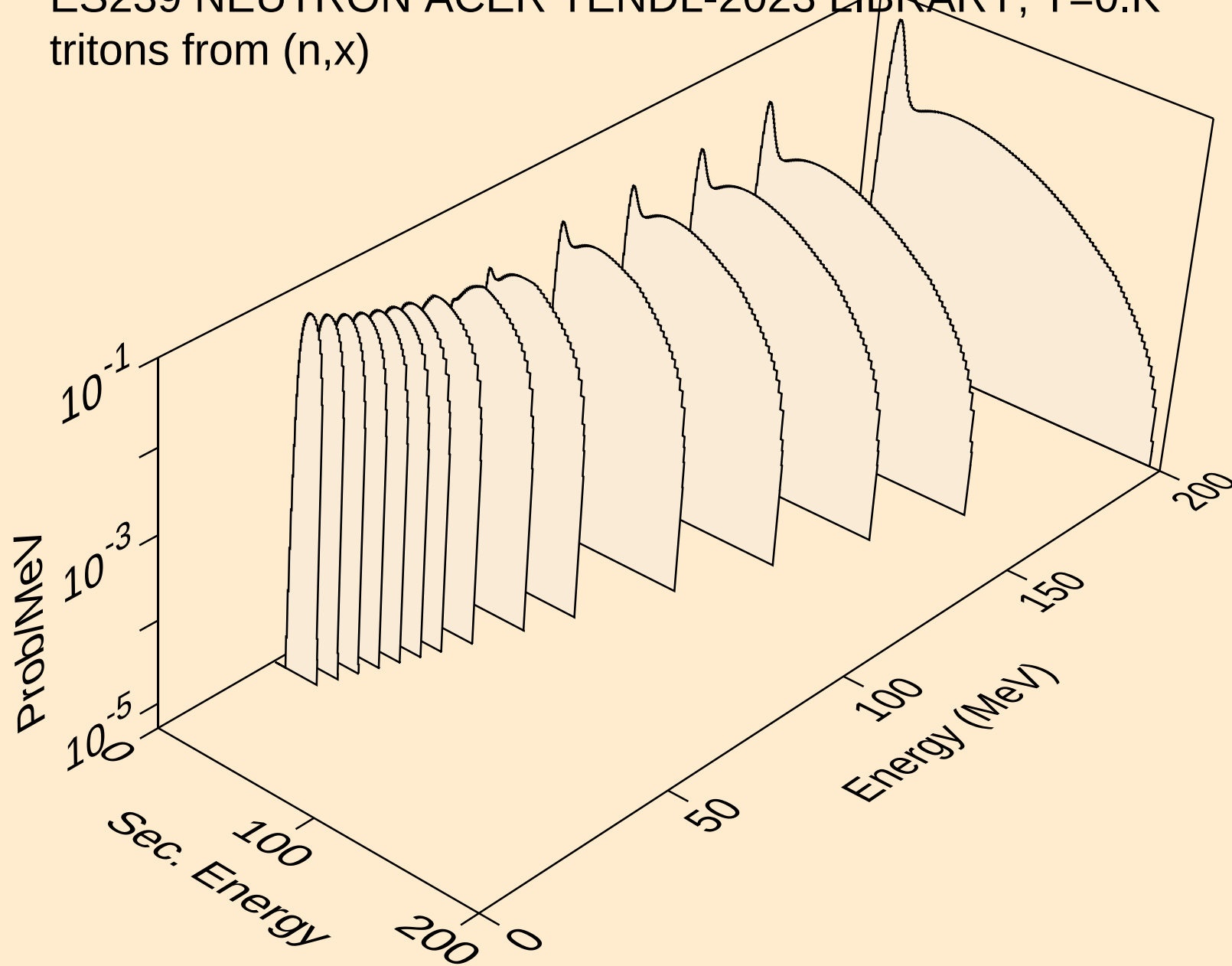
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



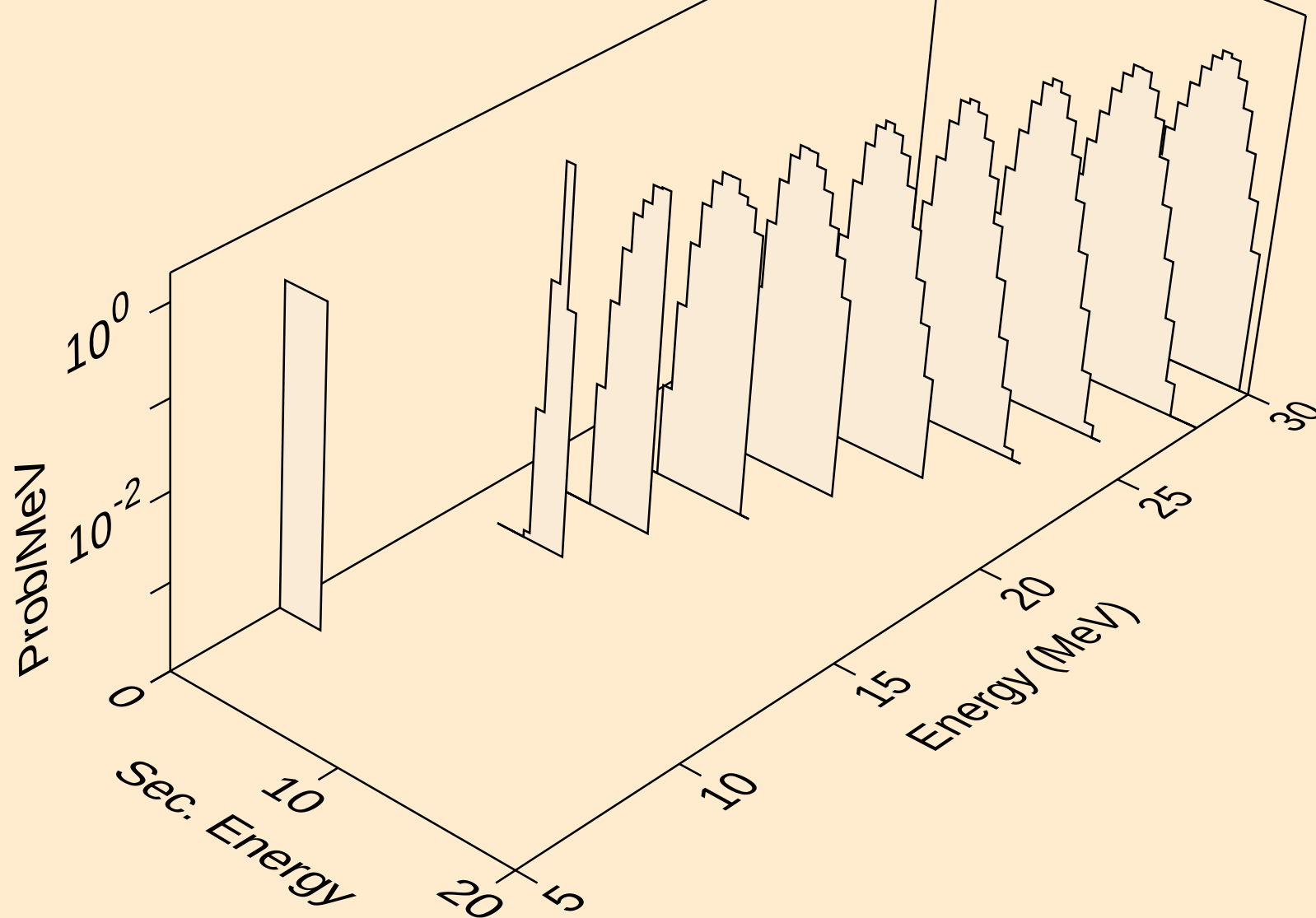
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deuterons from (n,da)



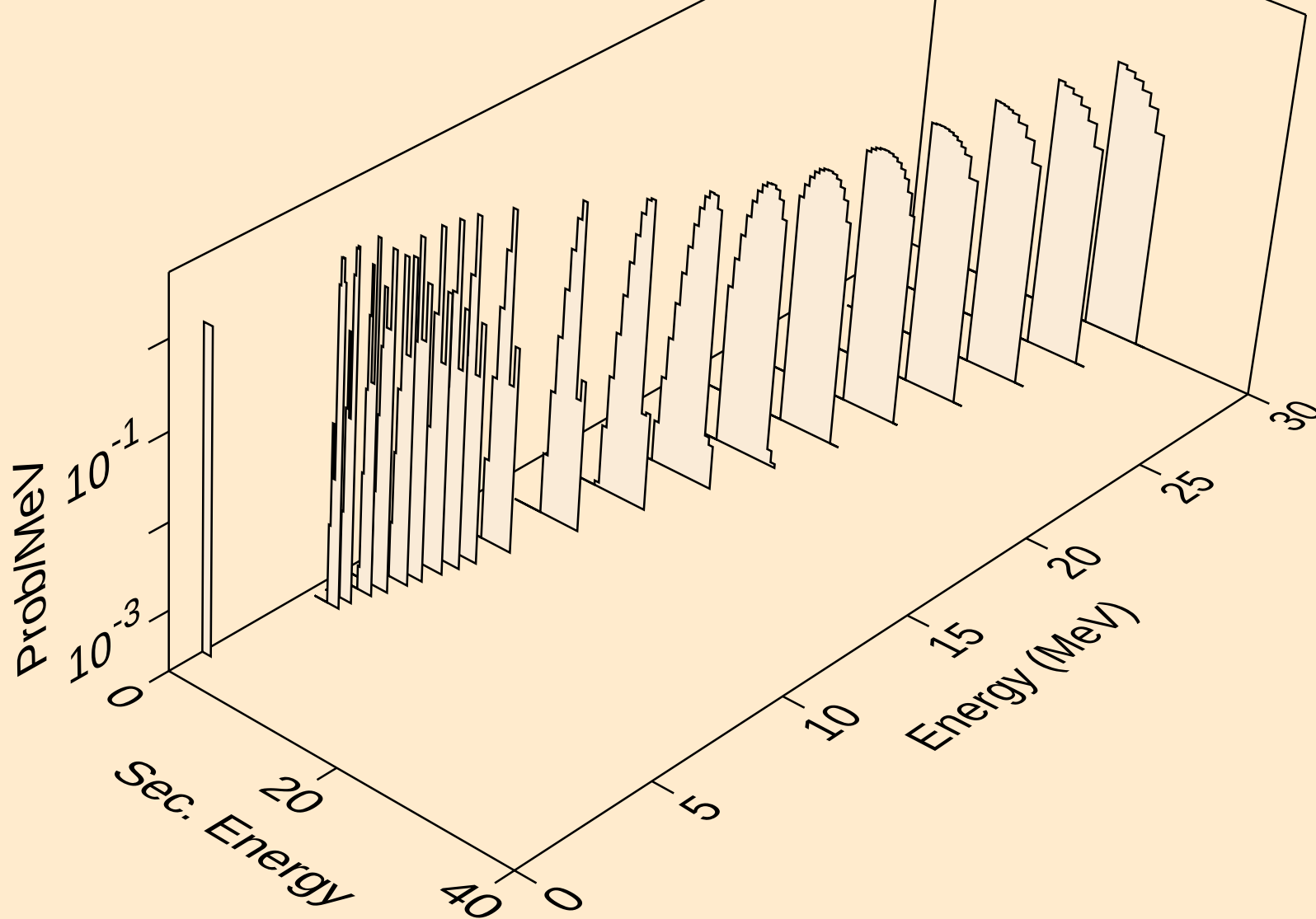
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



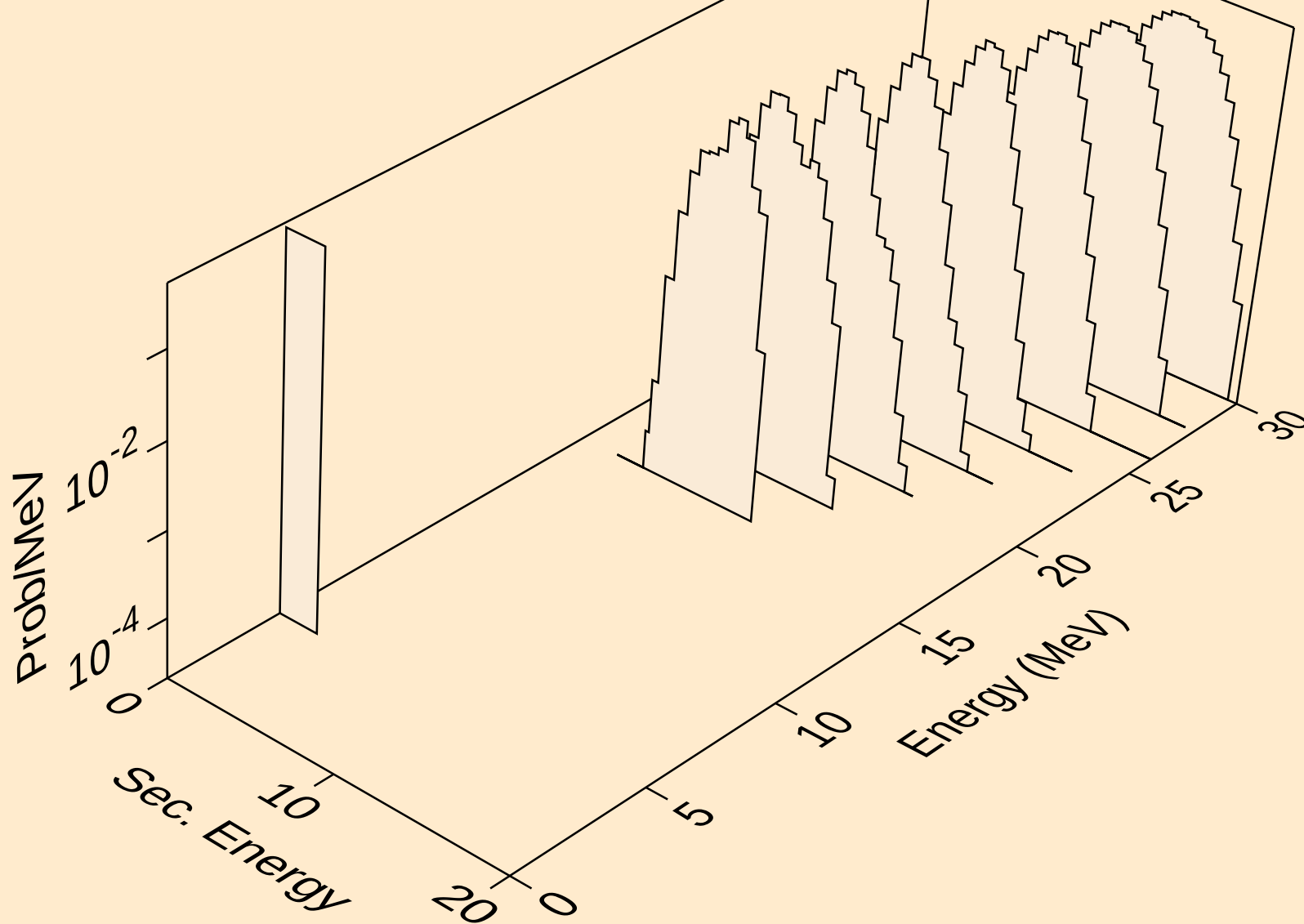
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



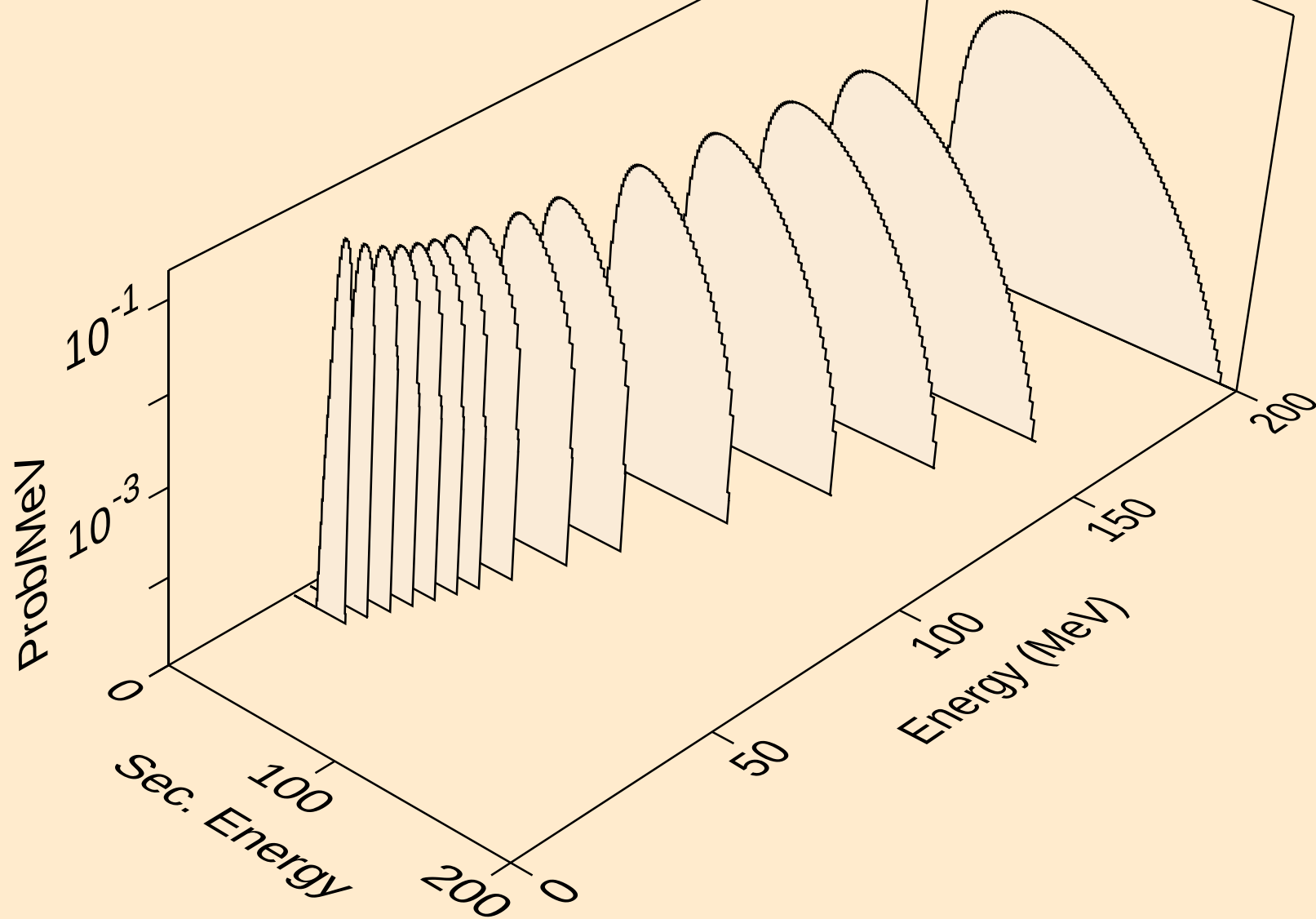
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



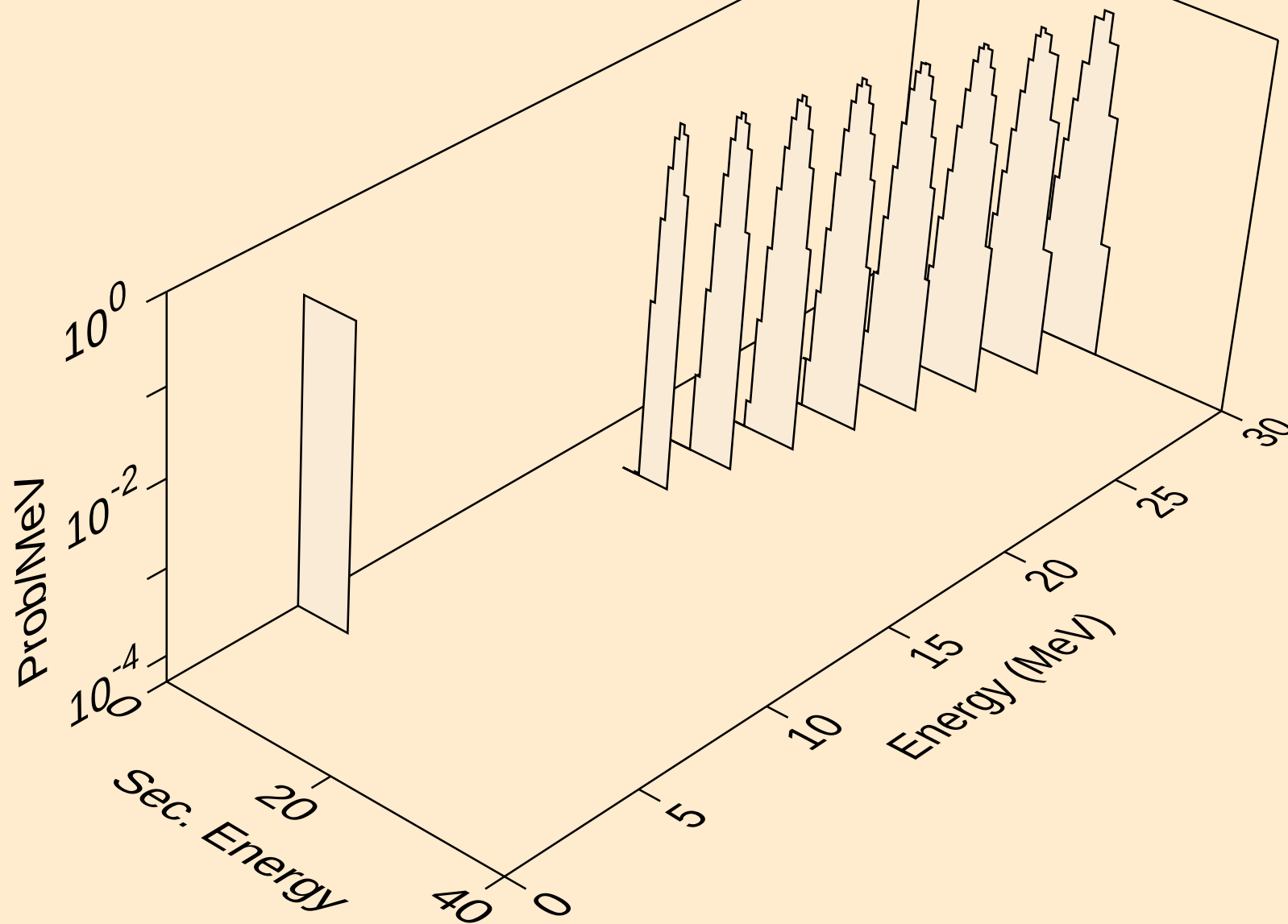
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



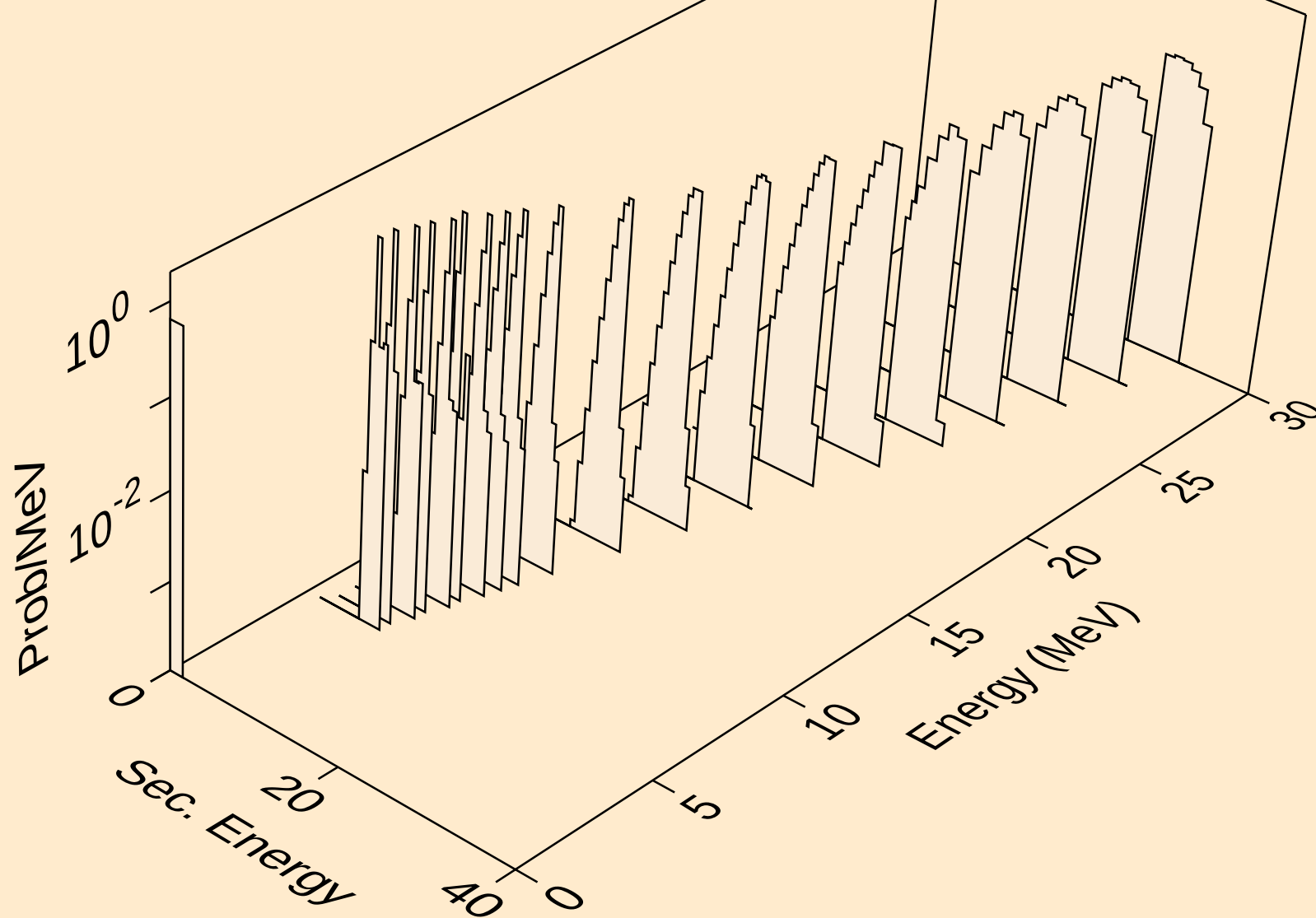
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



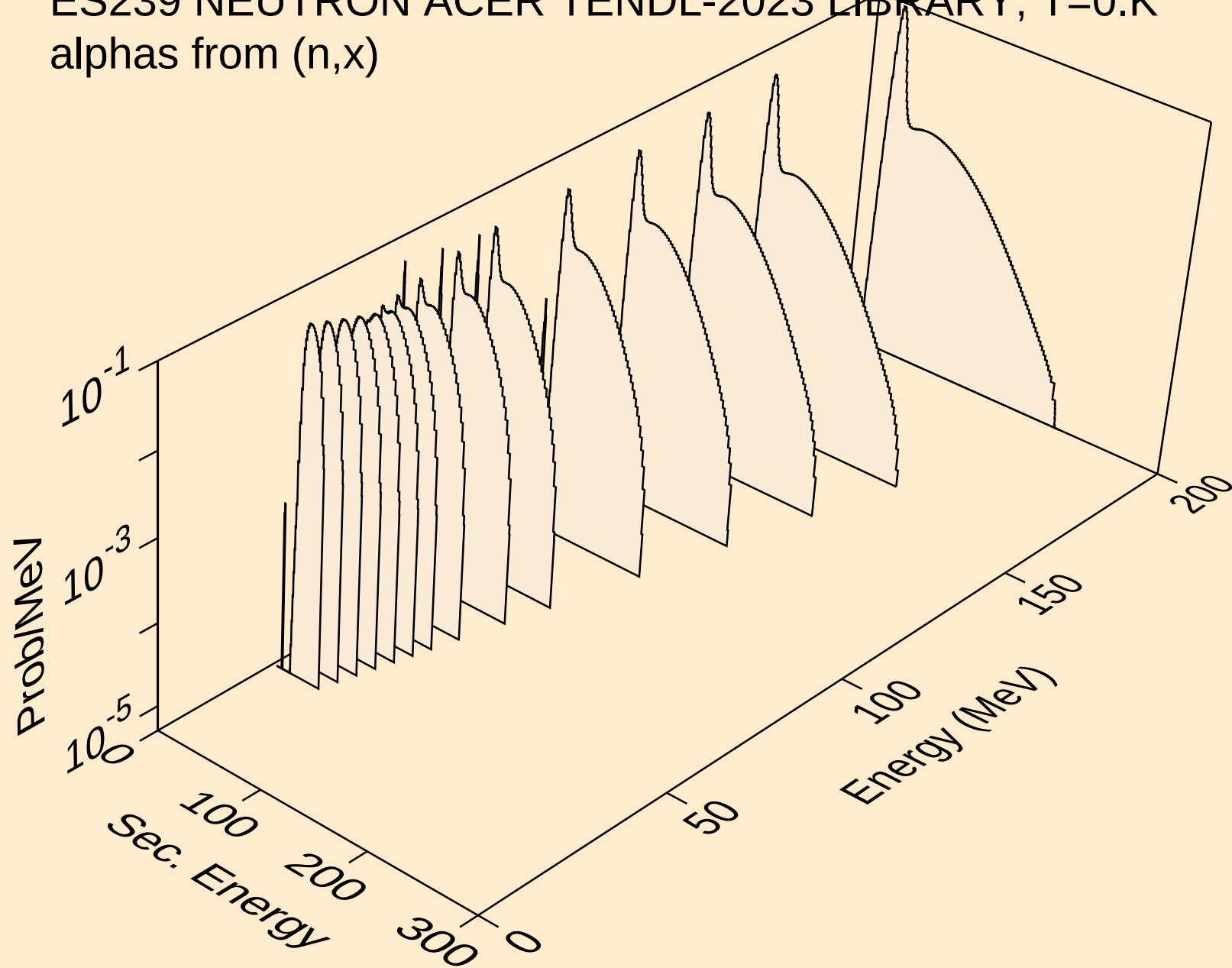
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



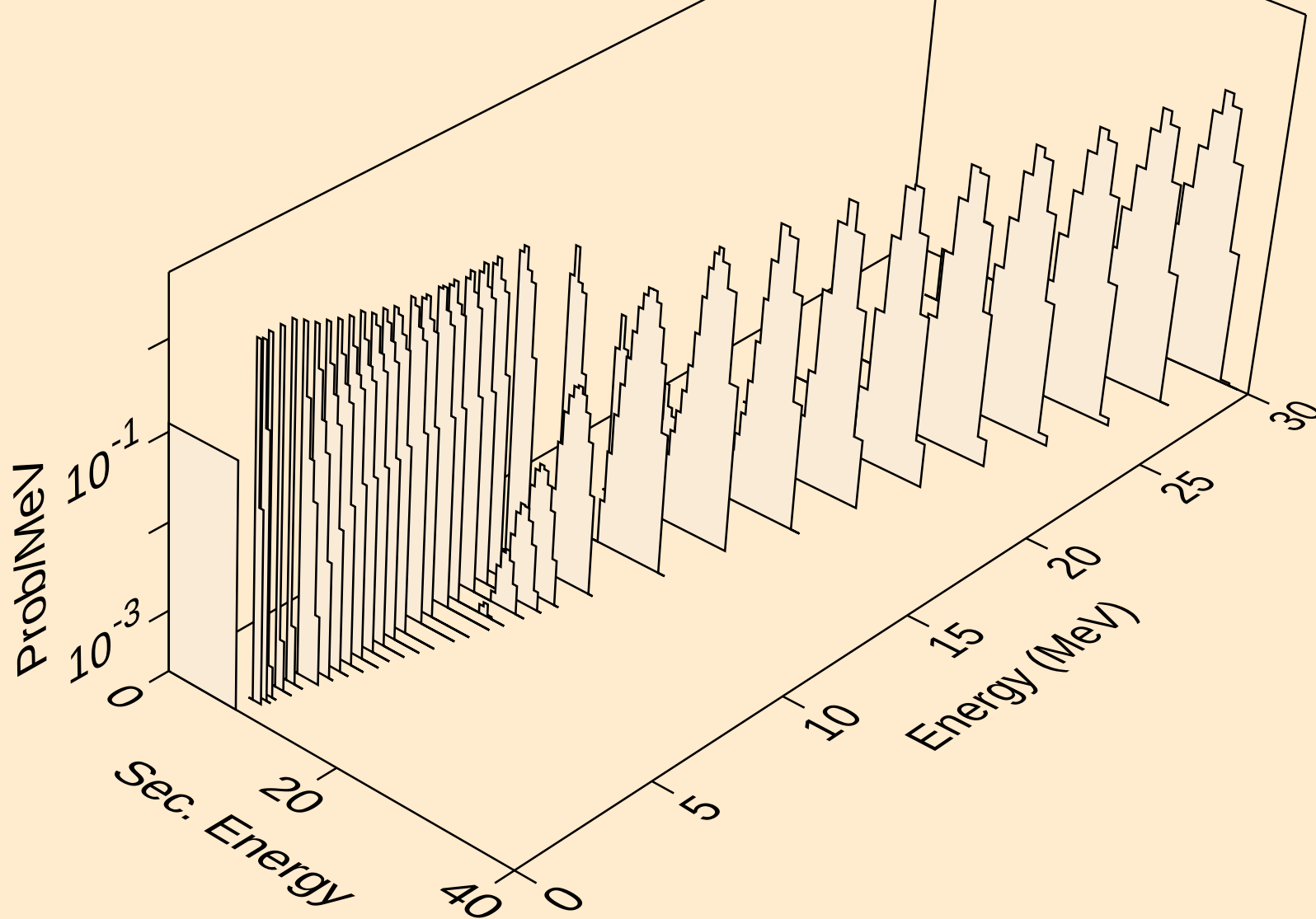
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



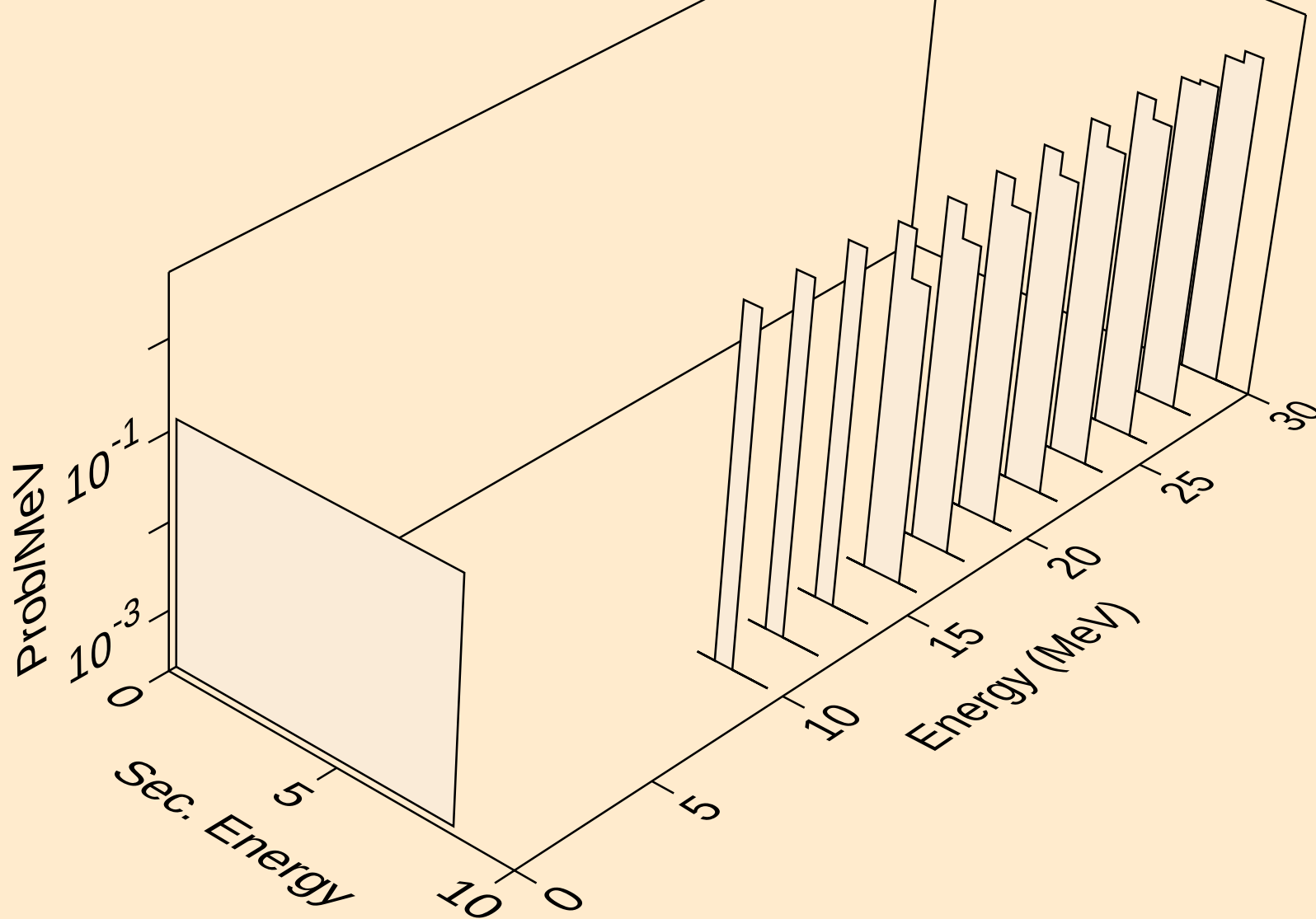
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



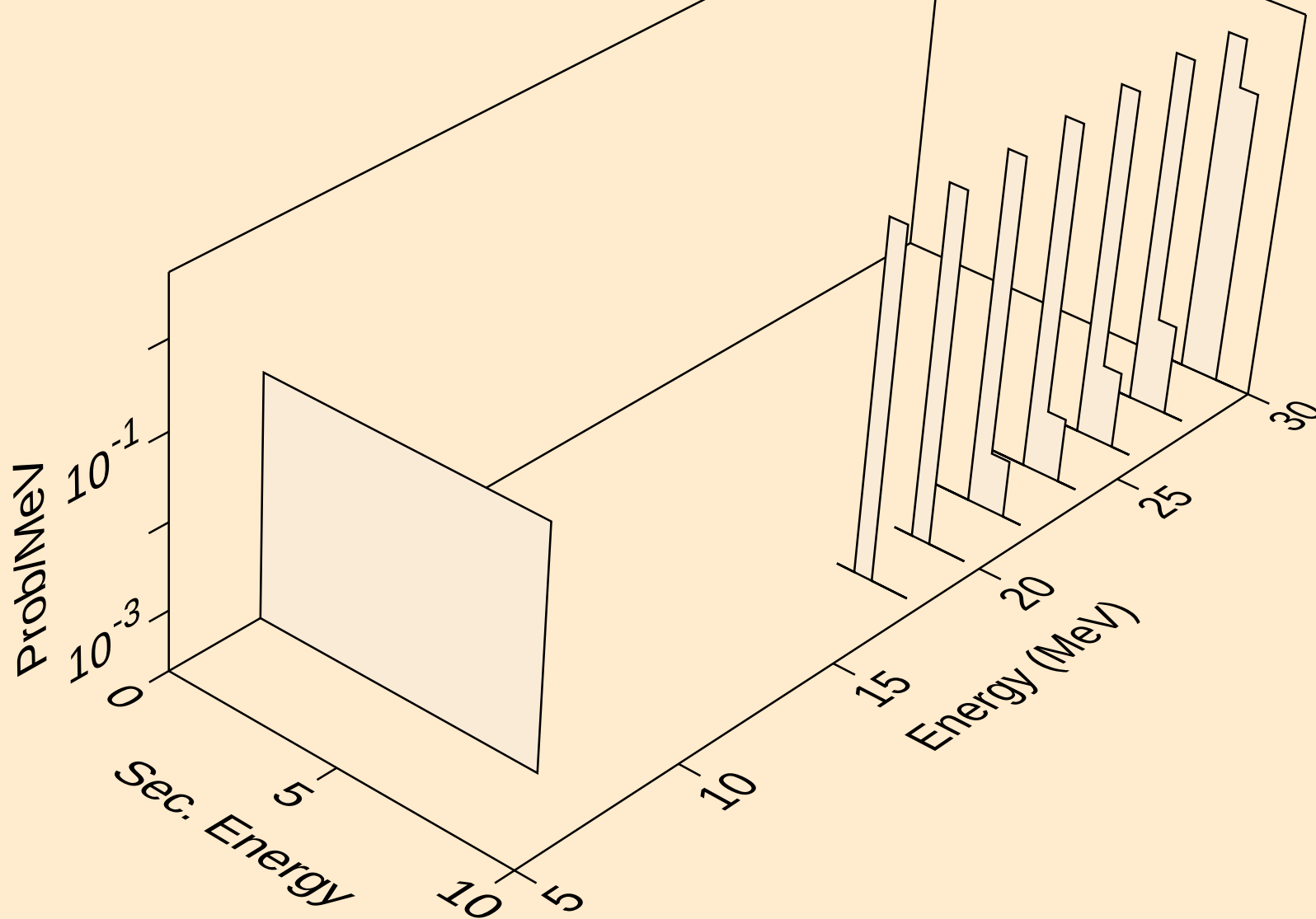
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



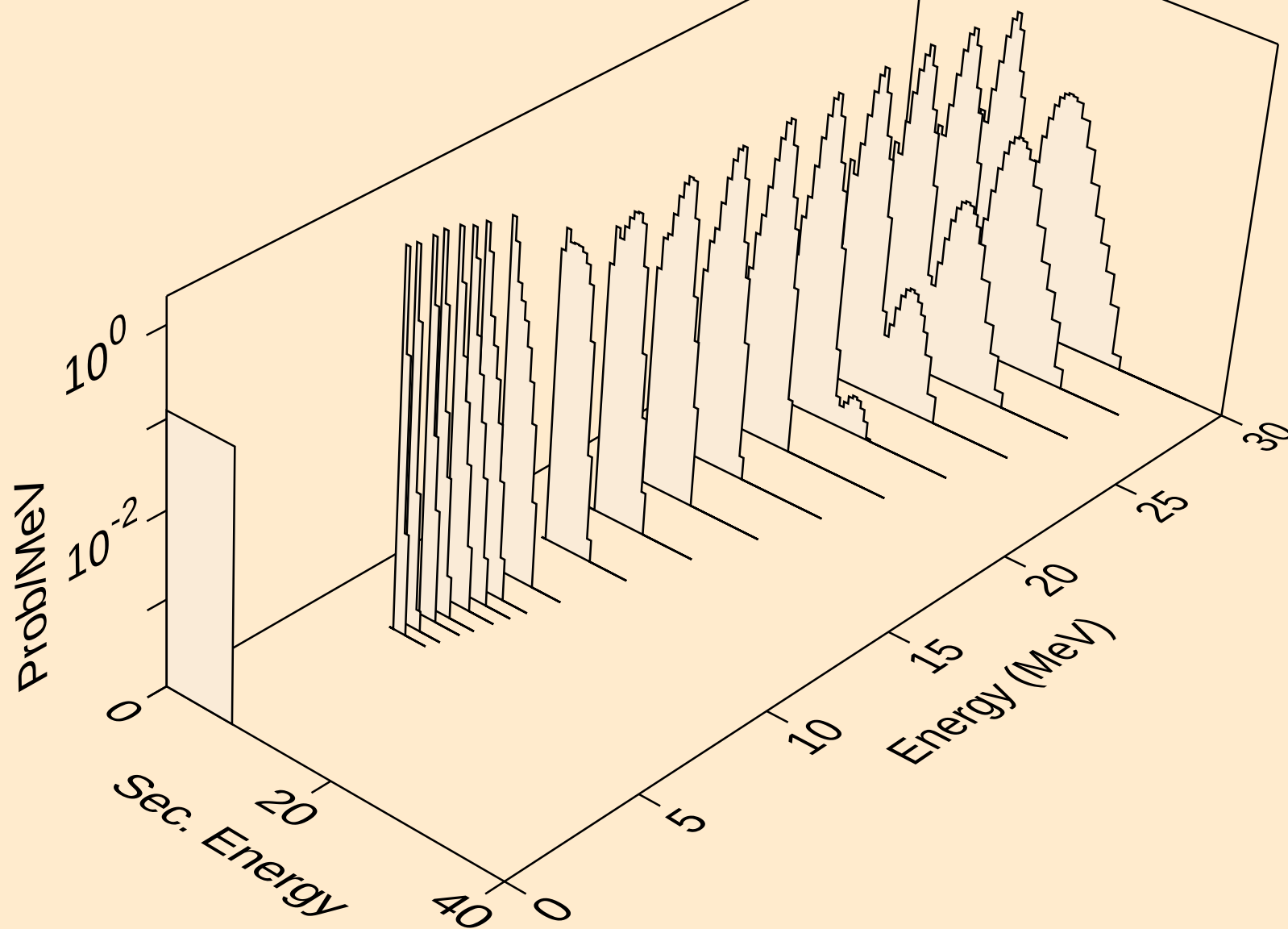
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



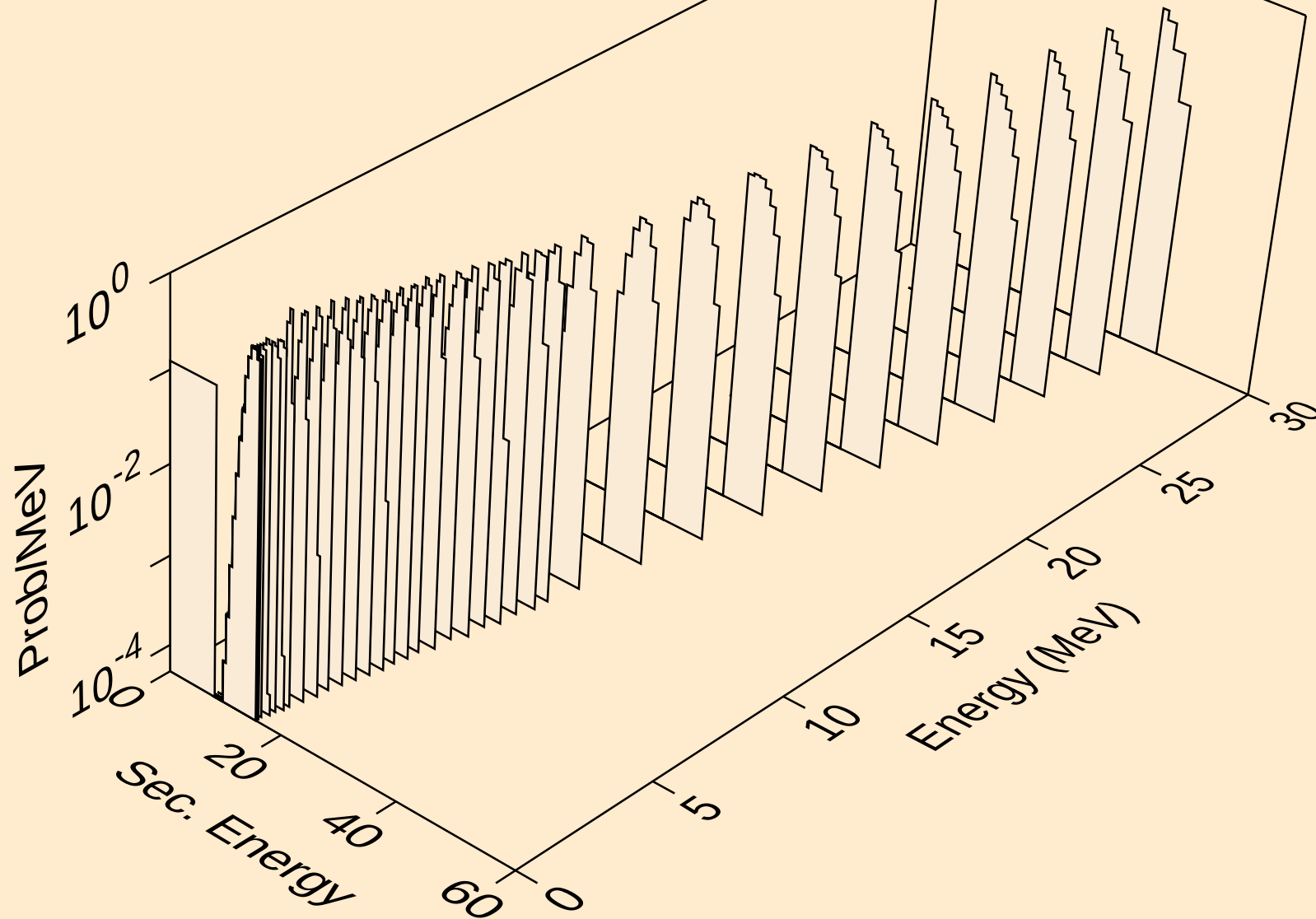
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



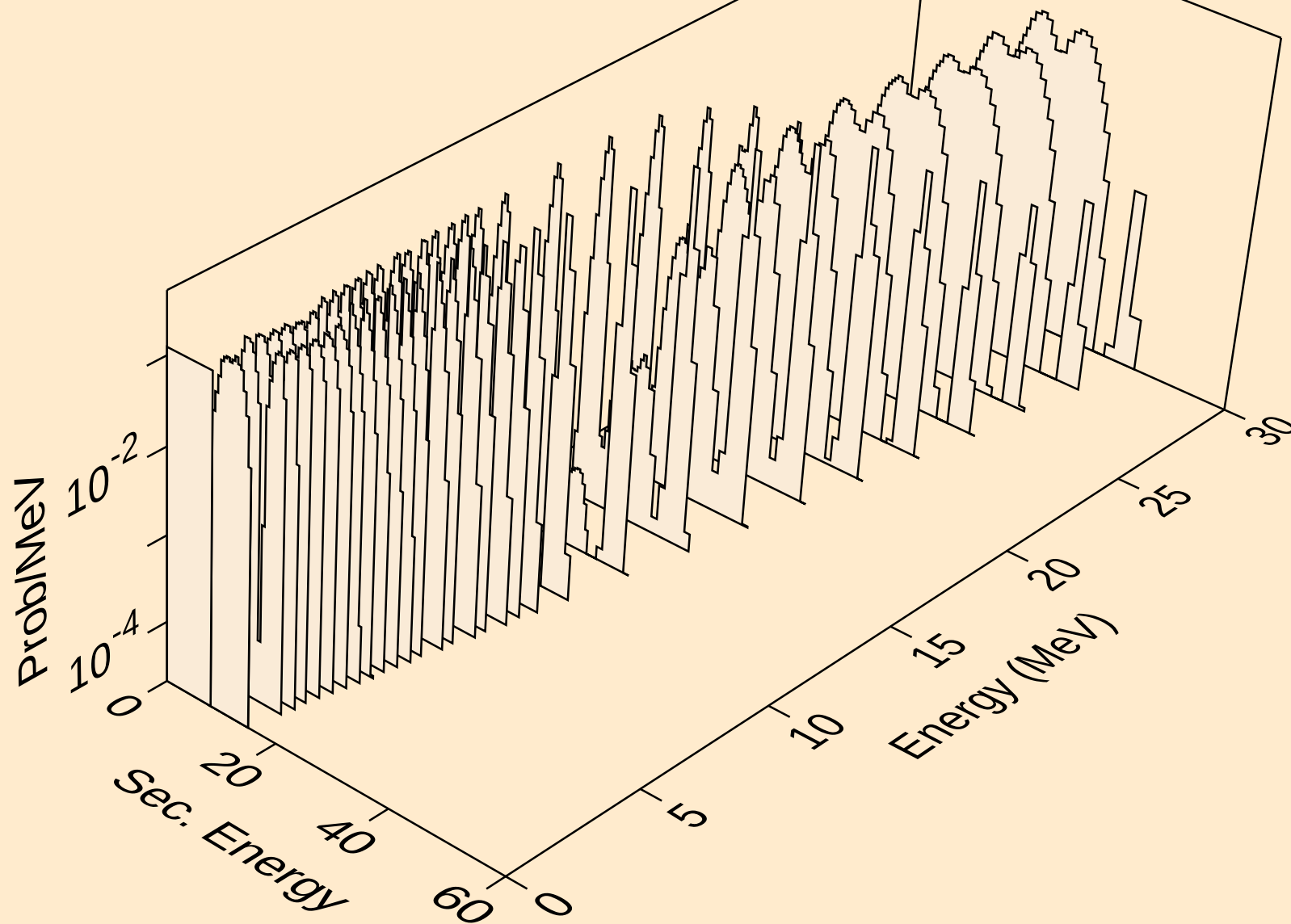
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



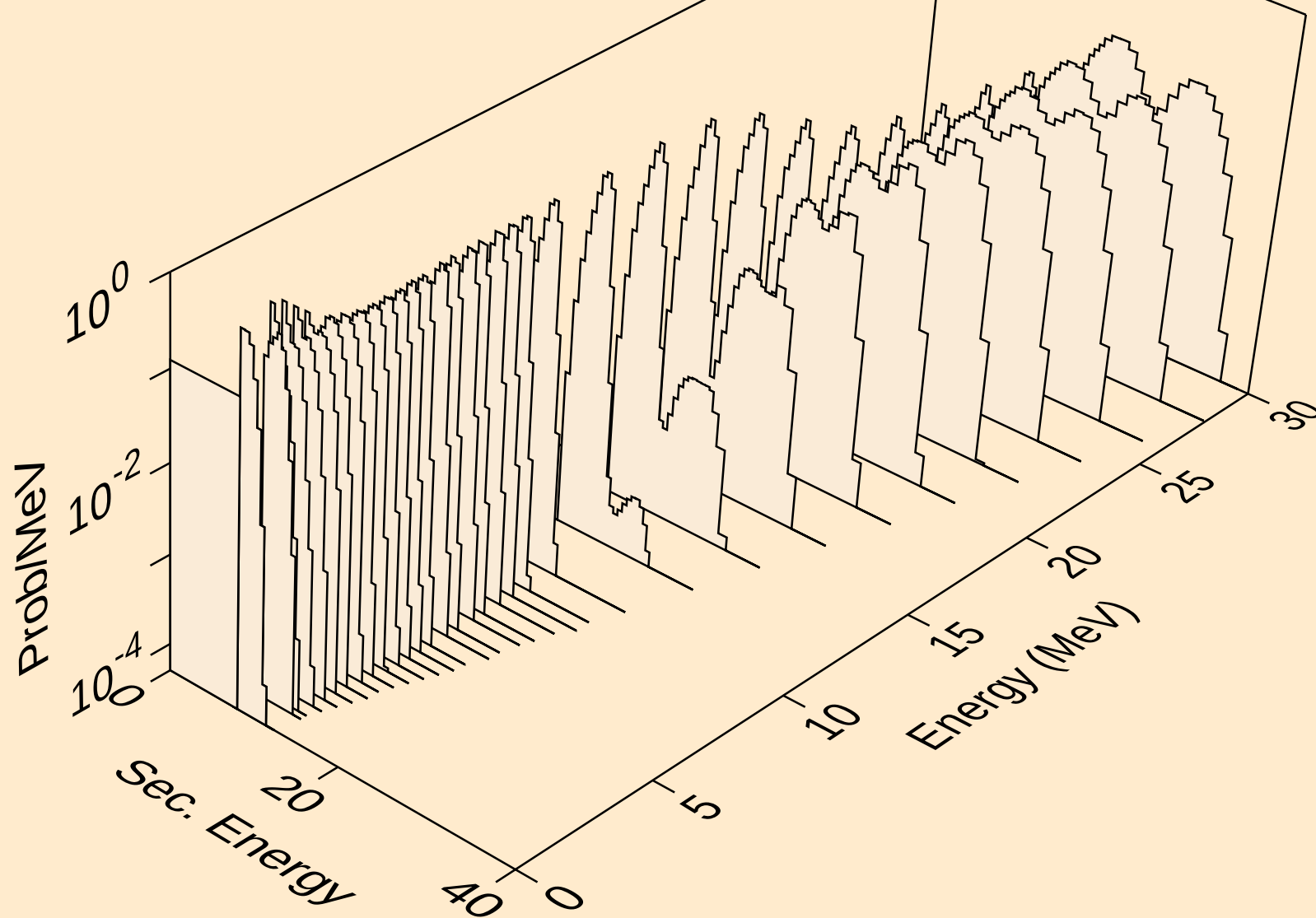
ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



ES239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

