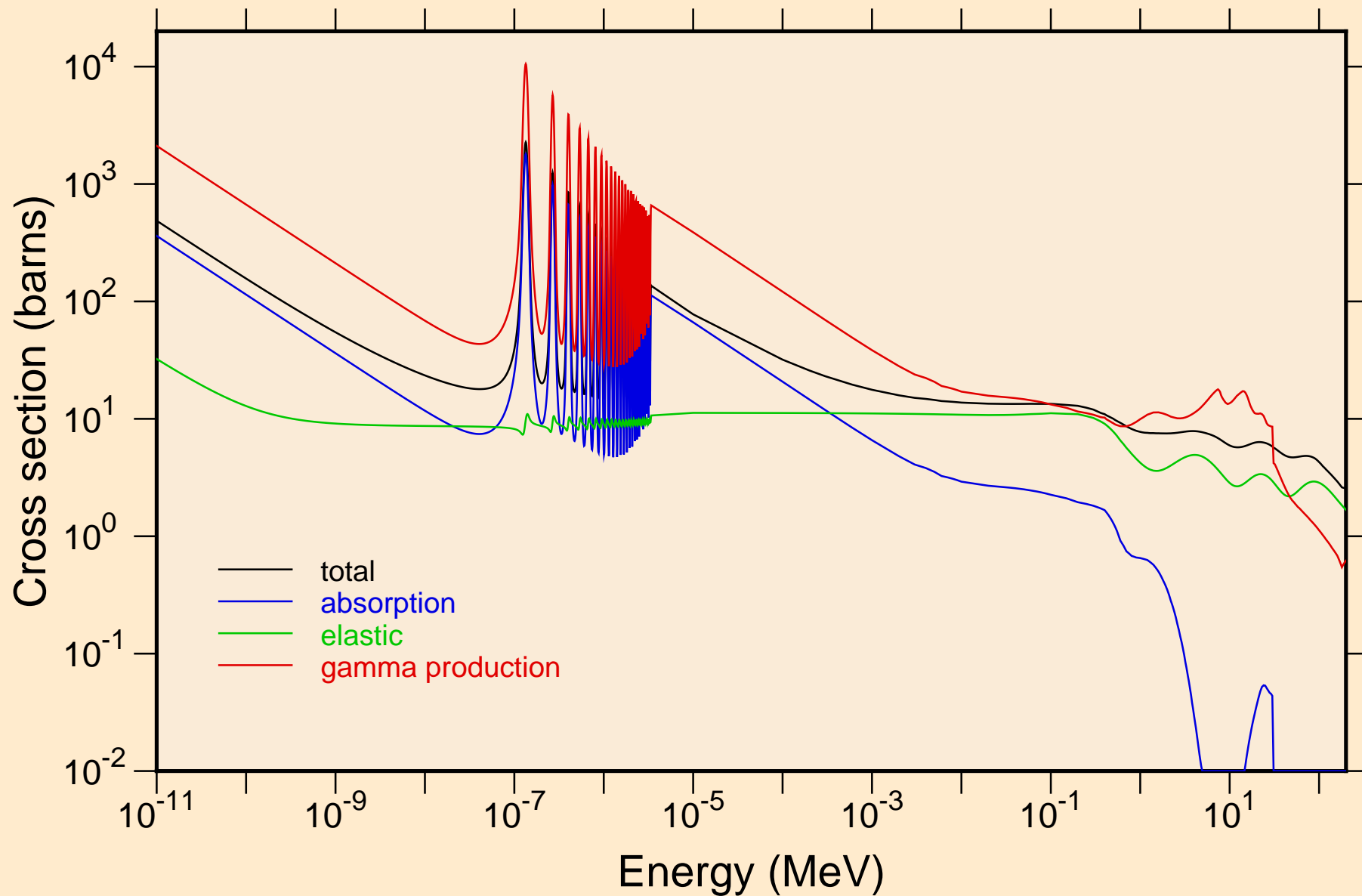
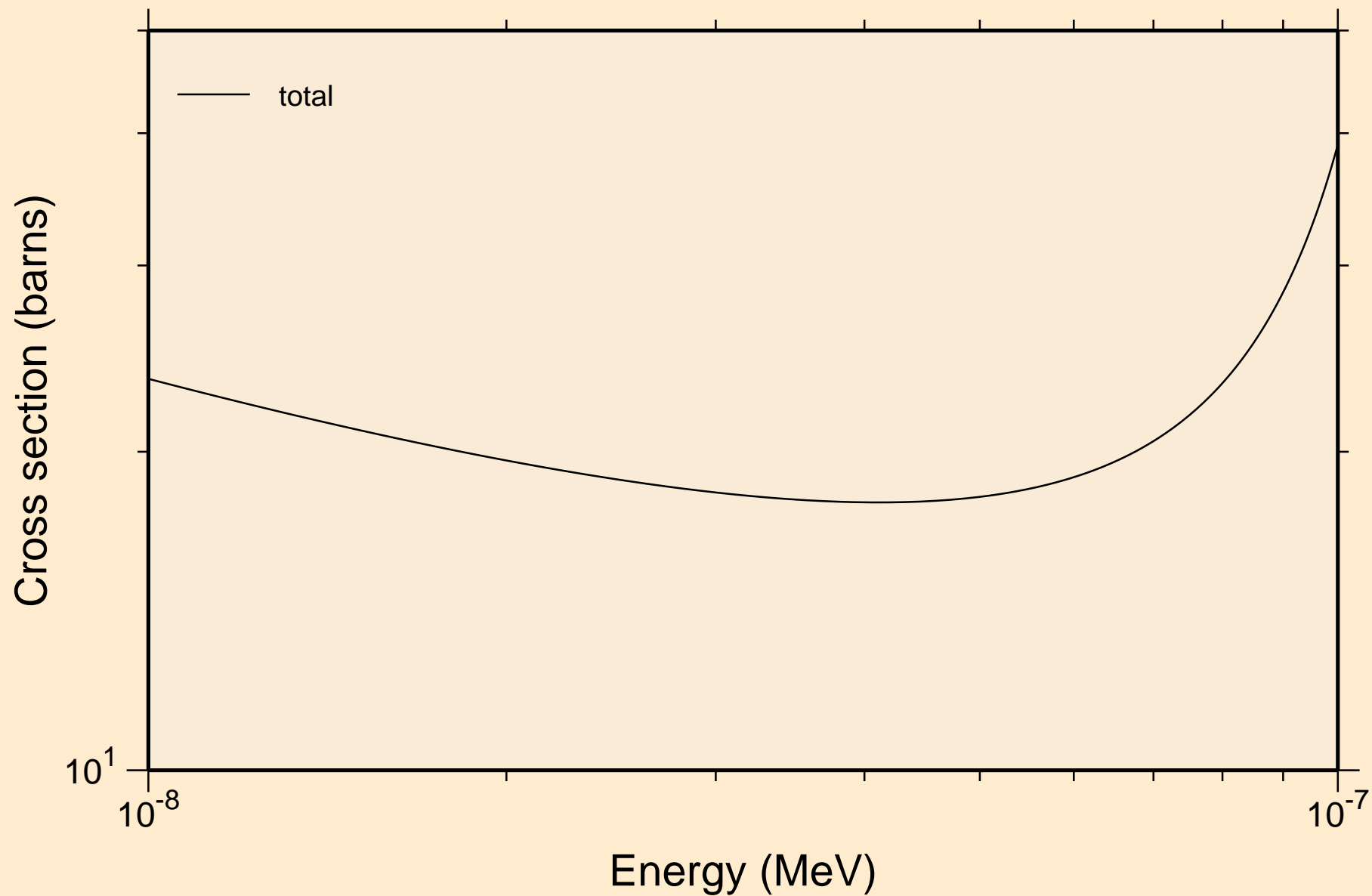


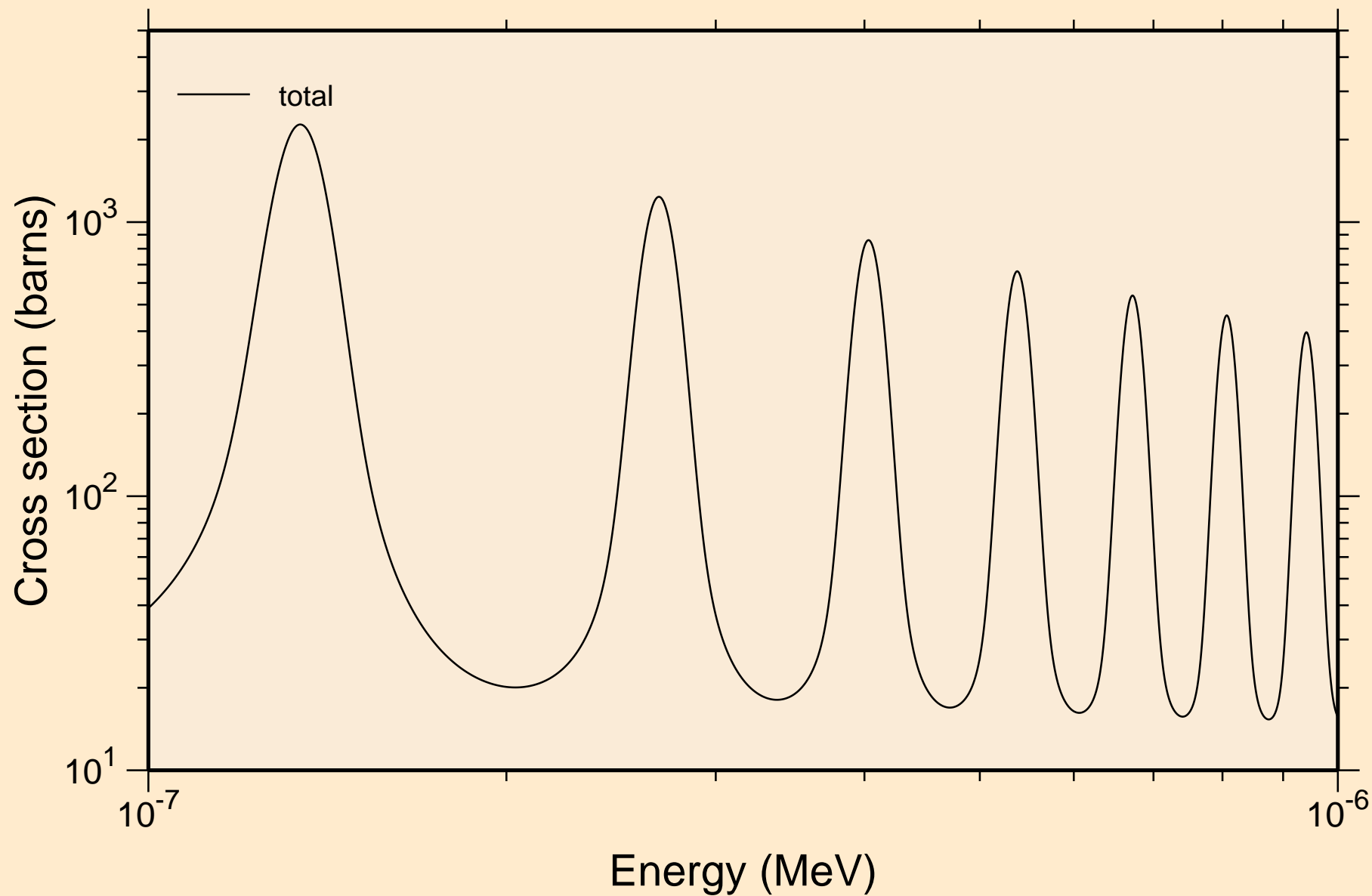
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



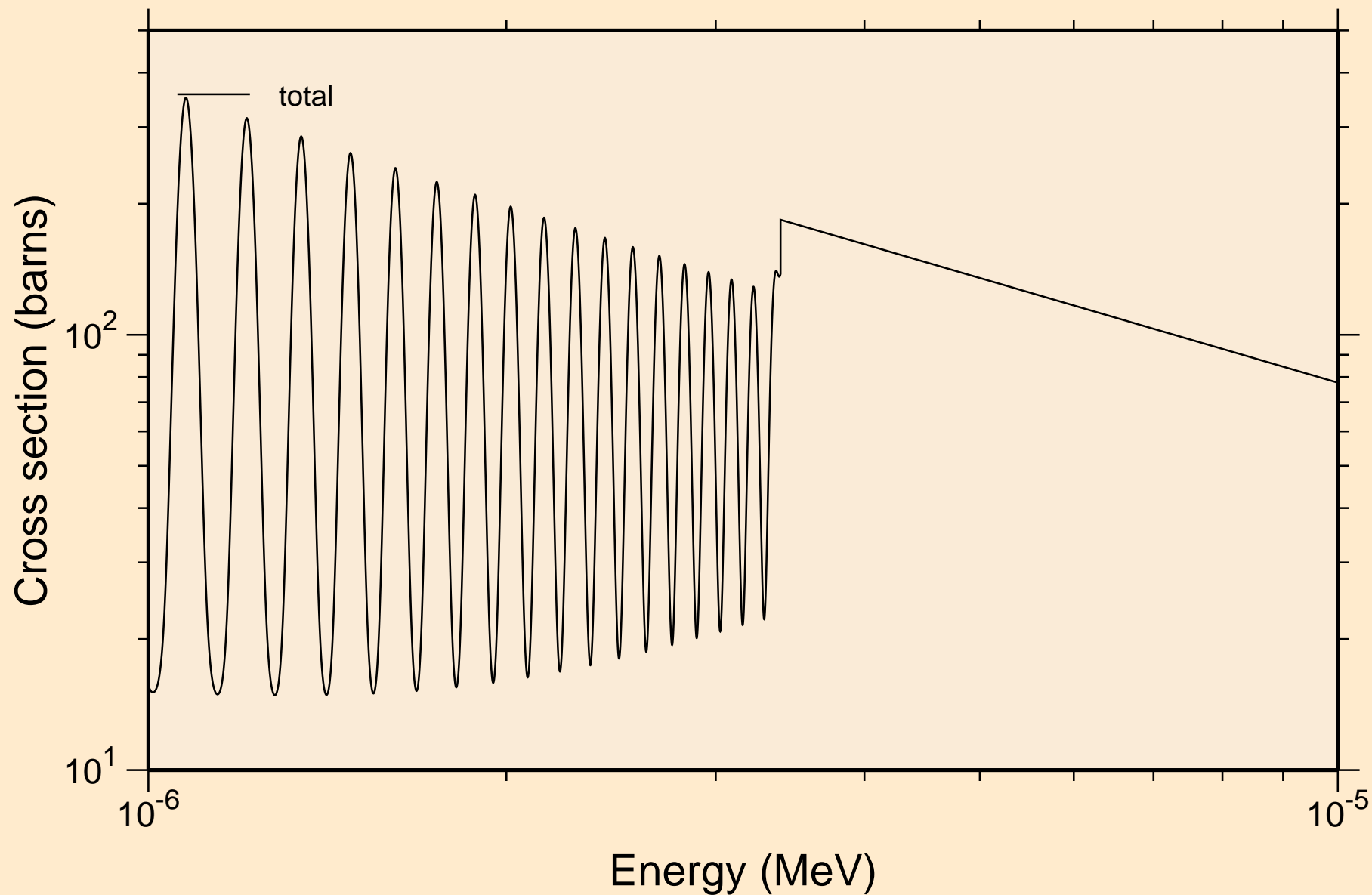
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



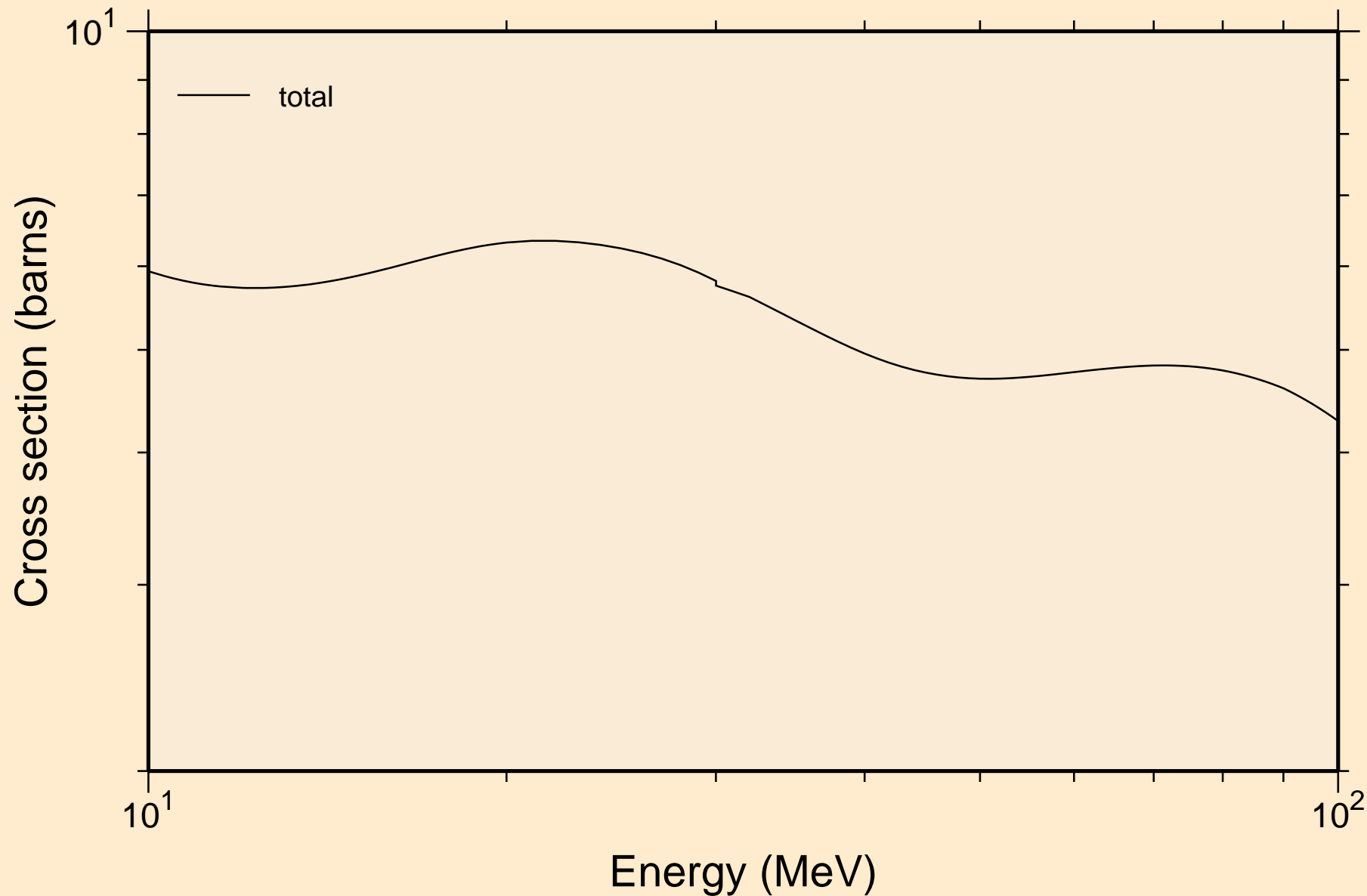
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



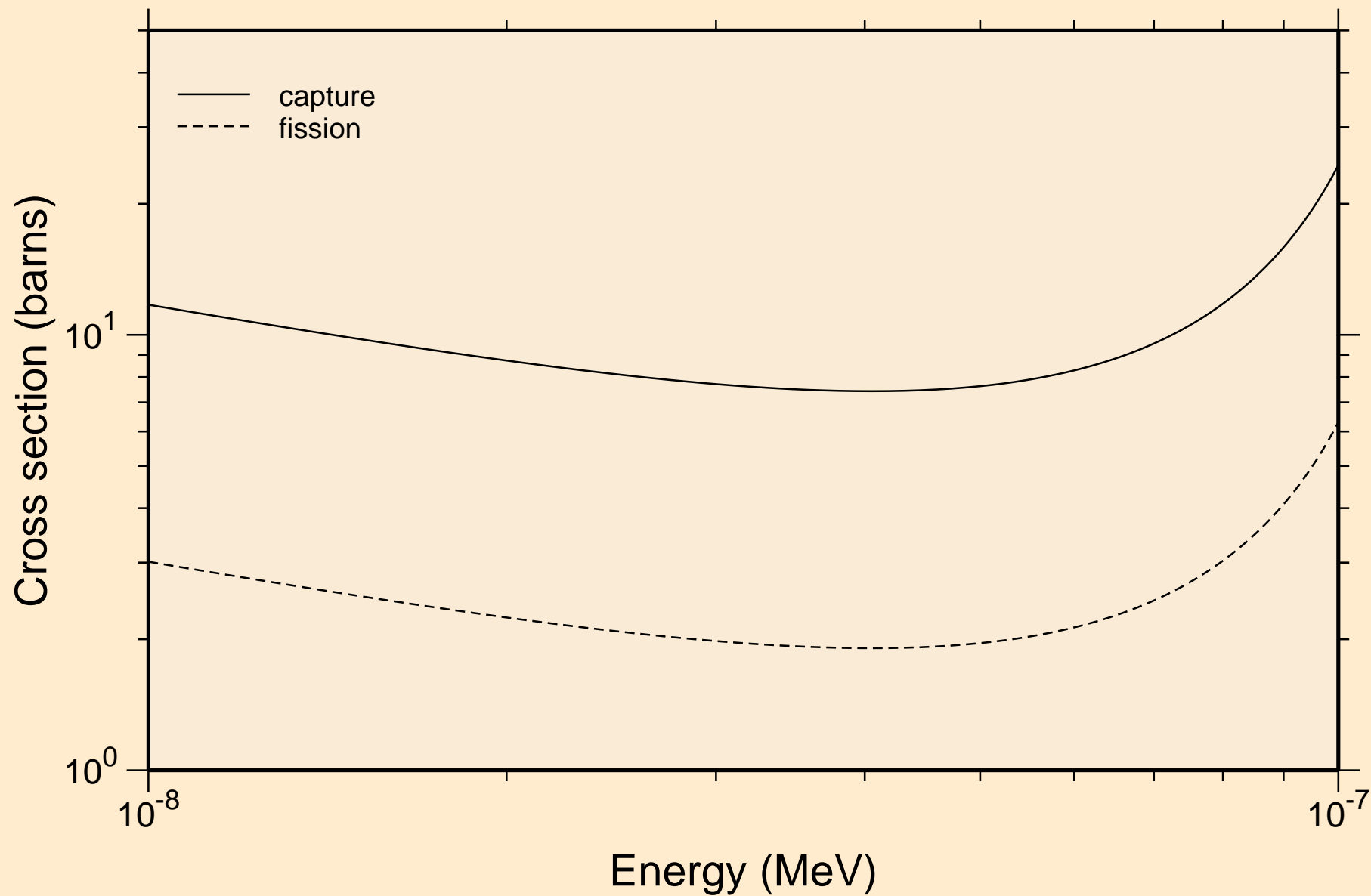
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



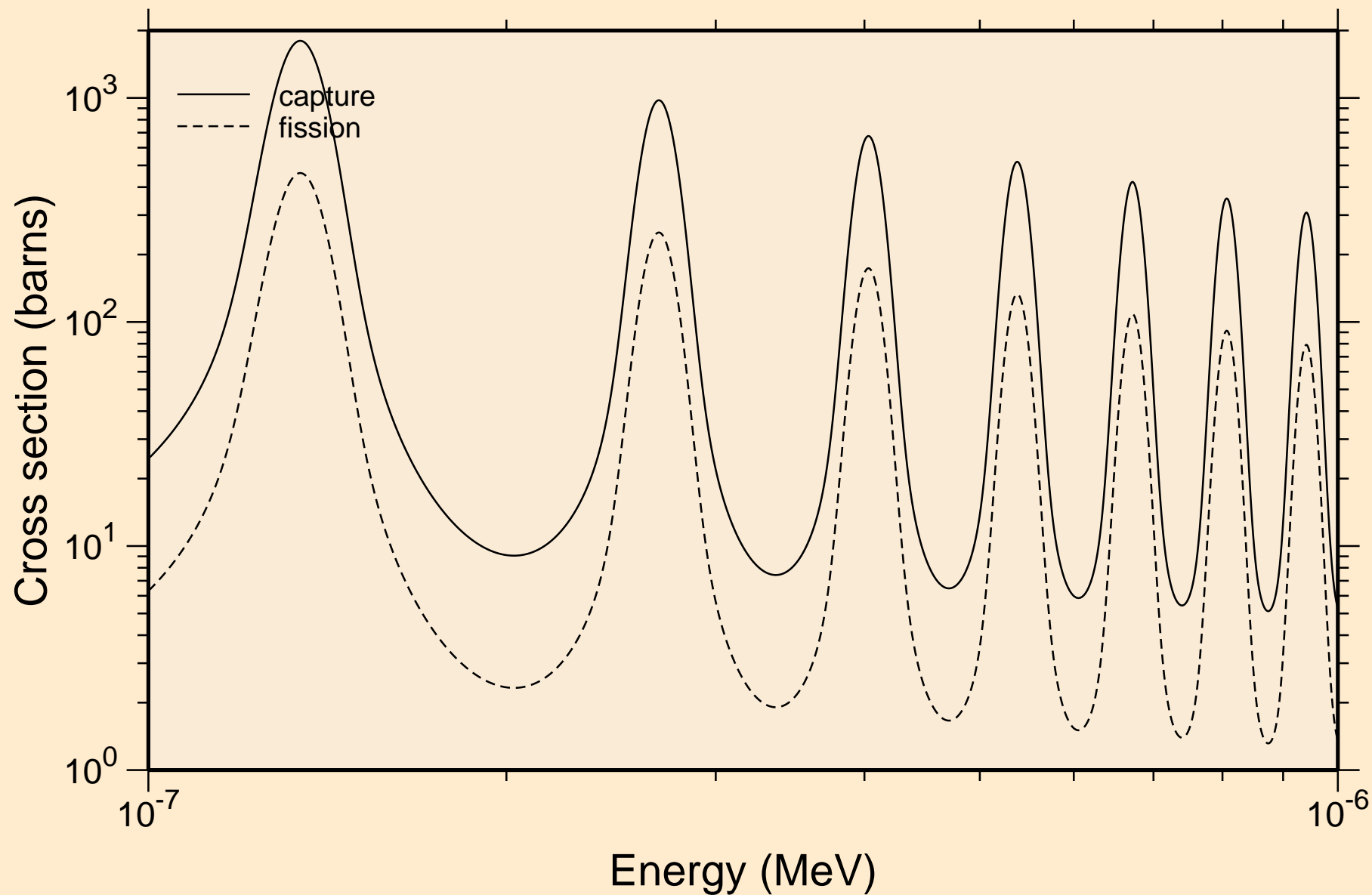
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



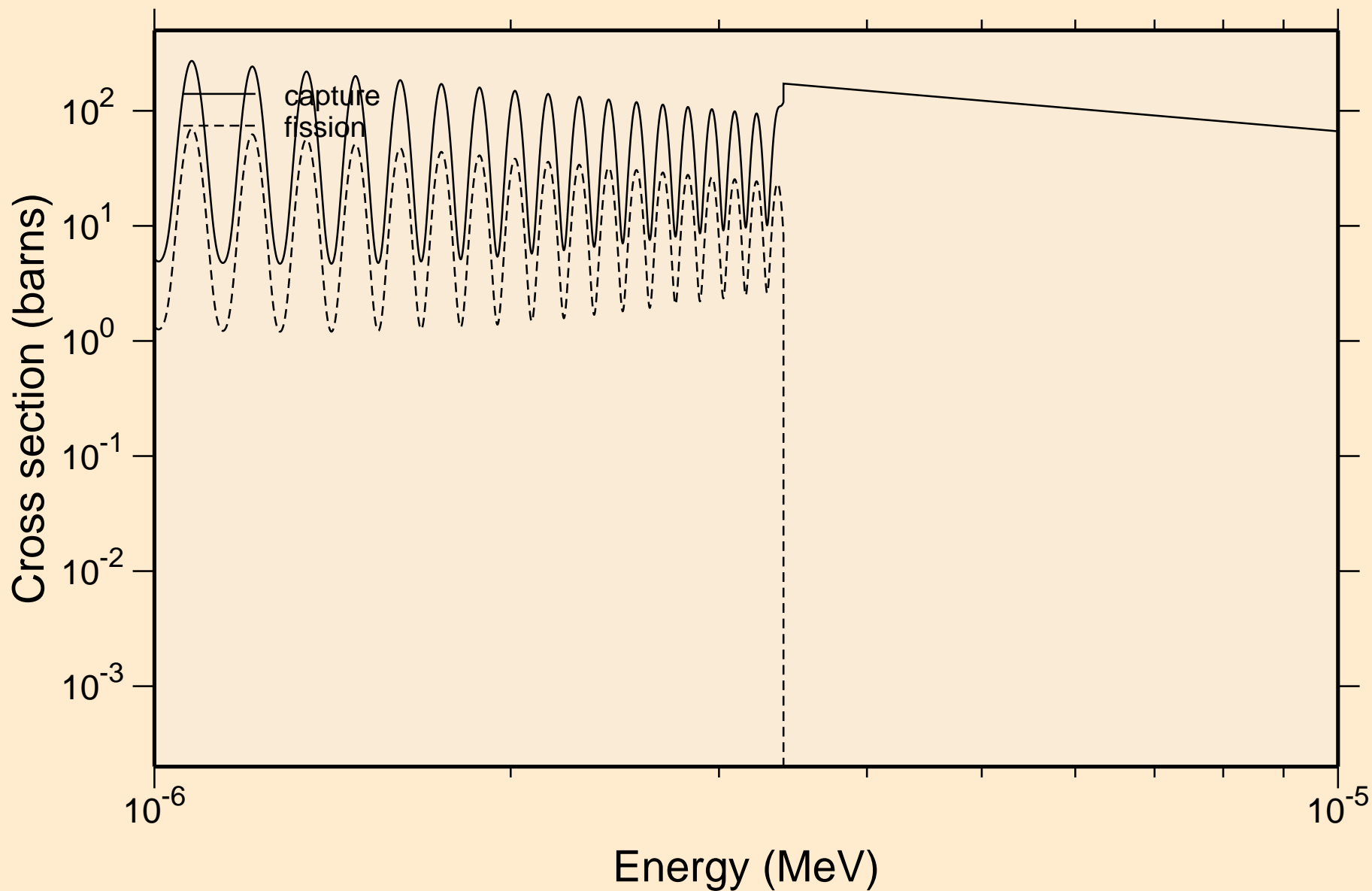
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



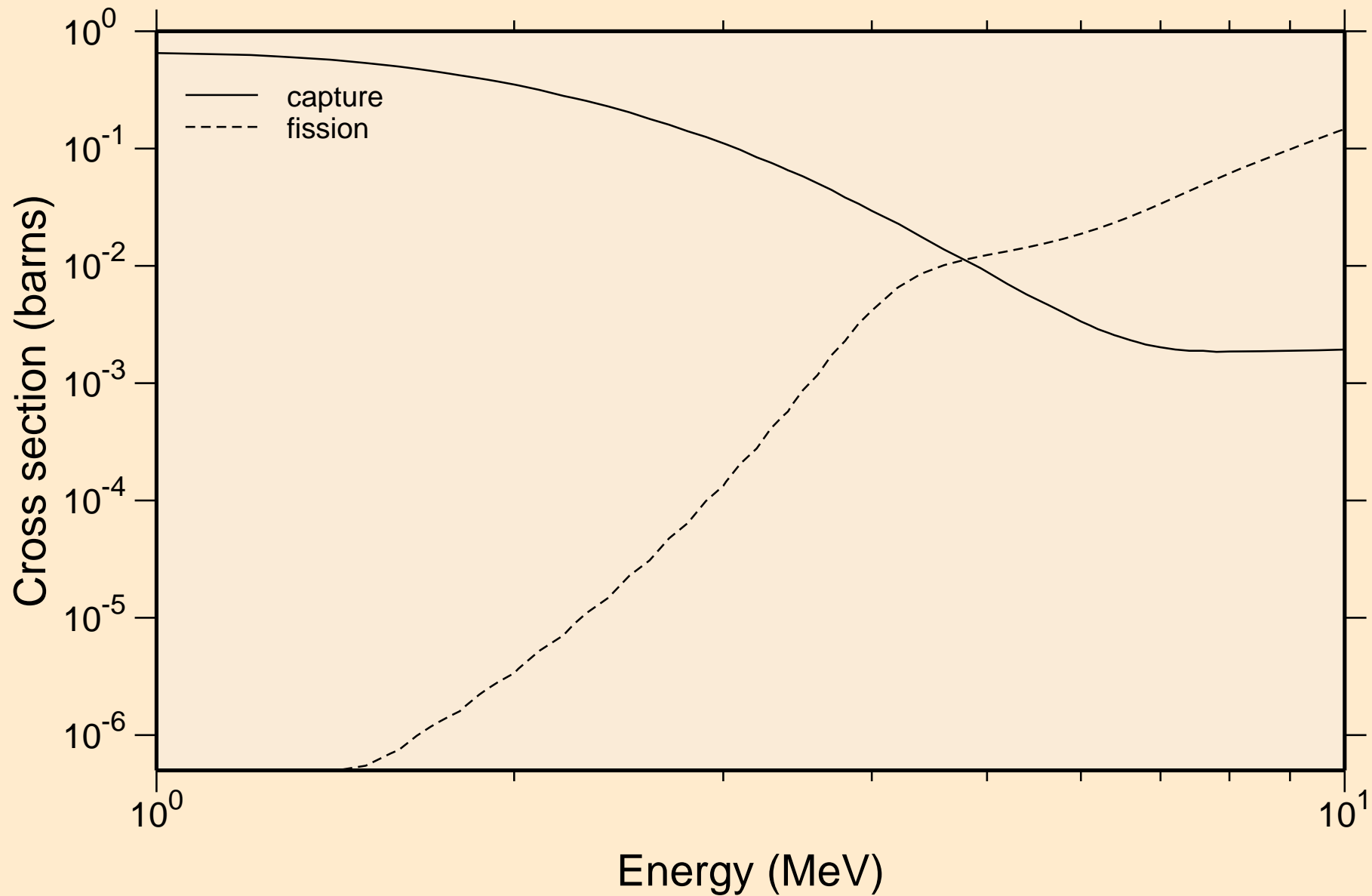
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



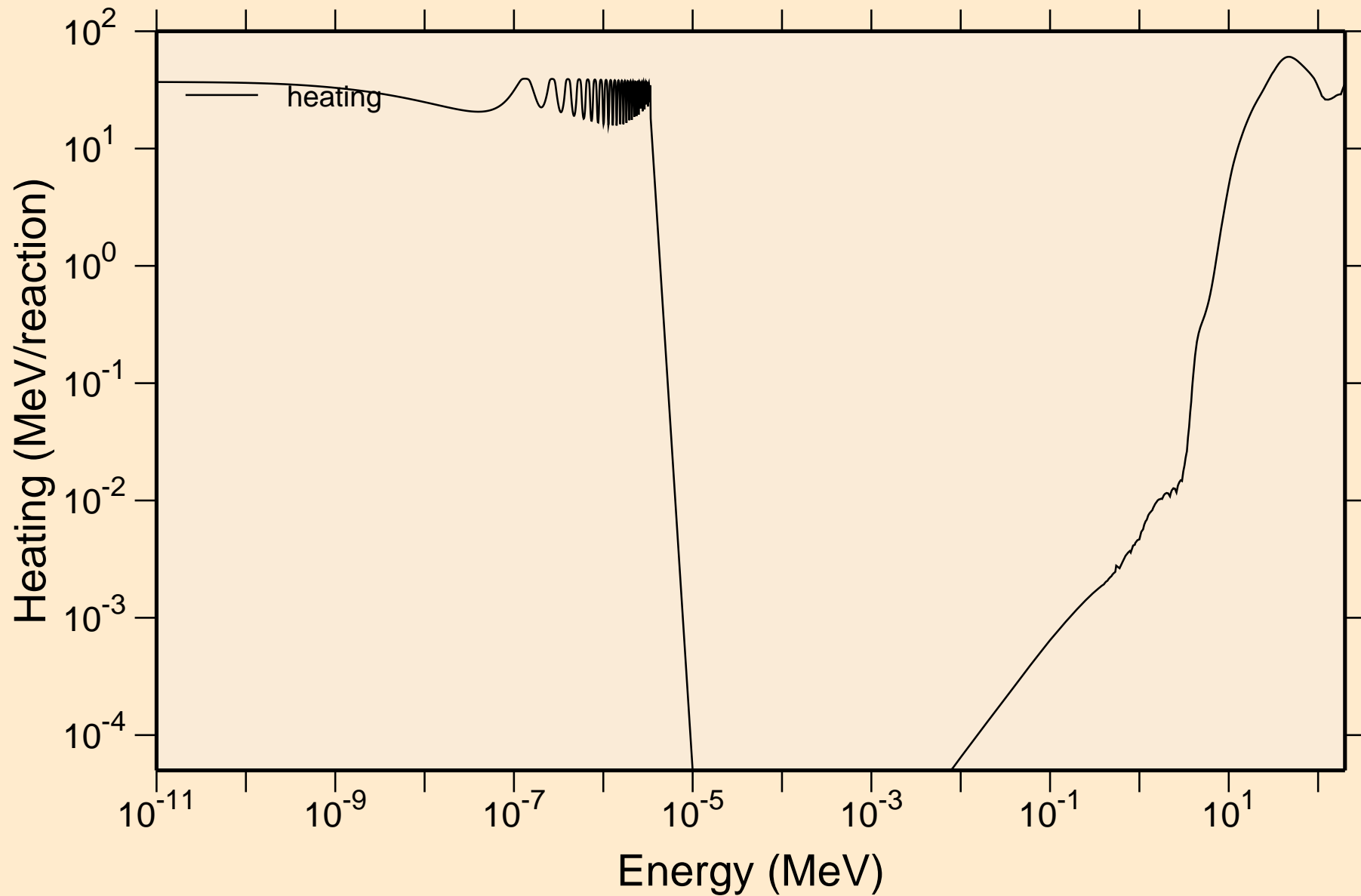
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



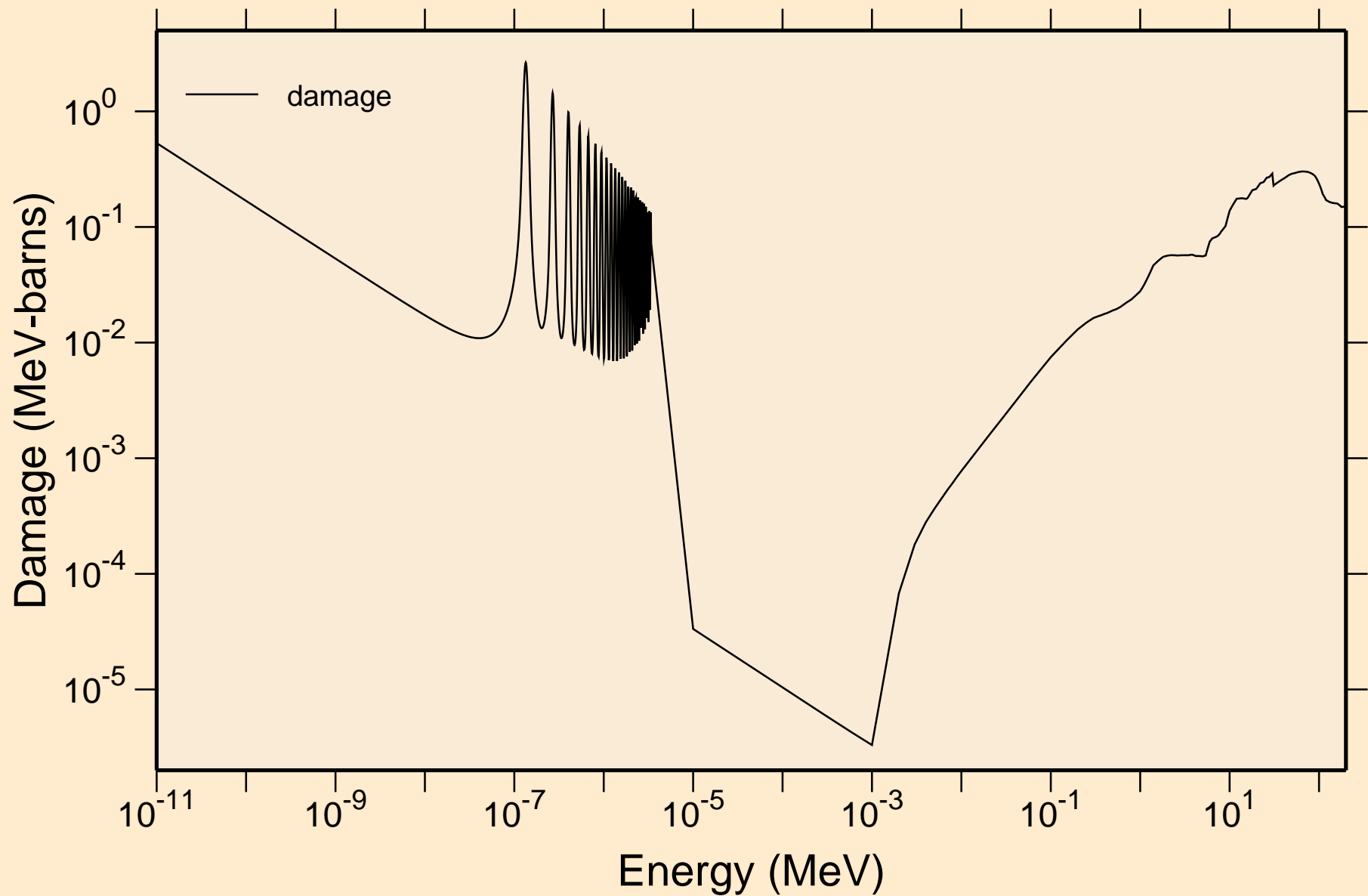
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

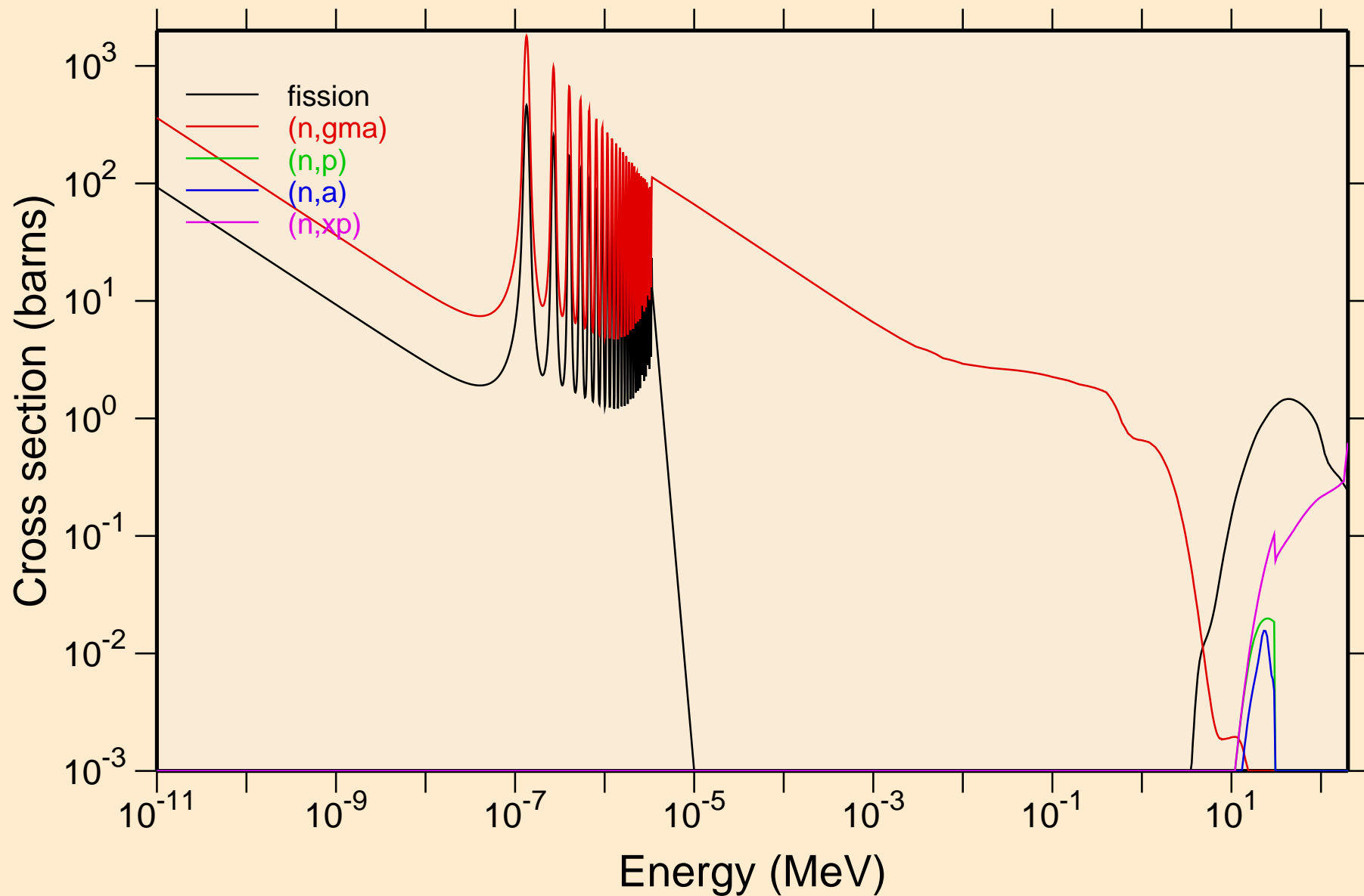


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage

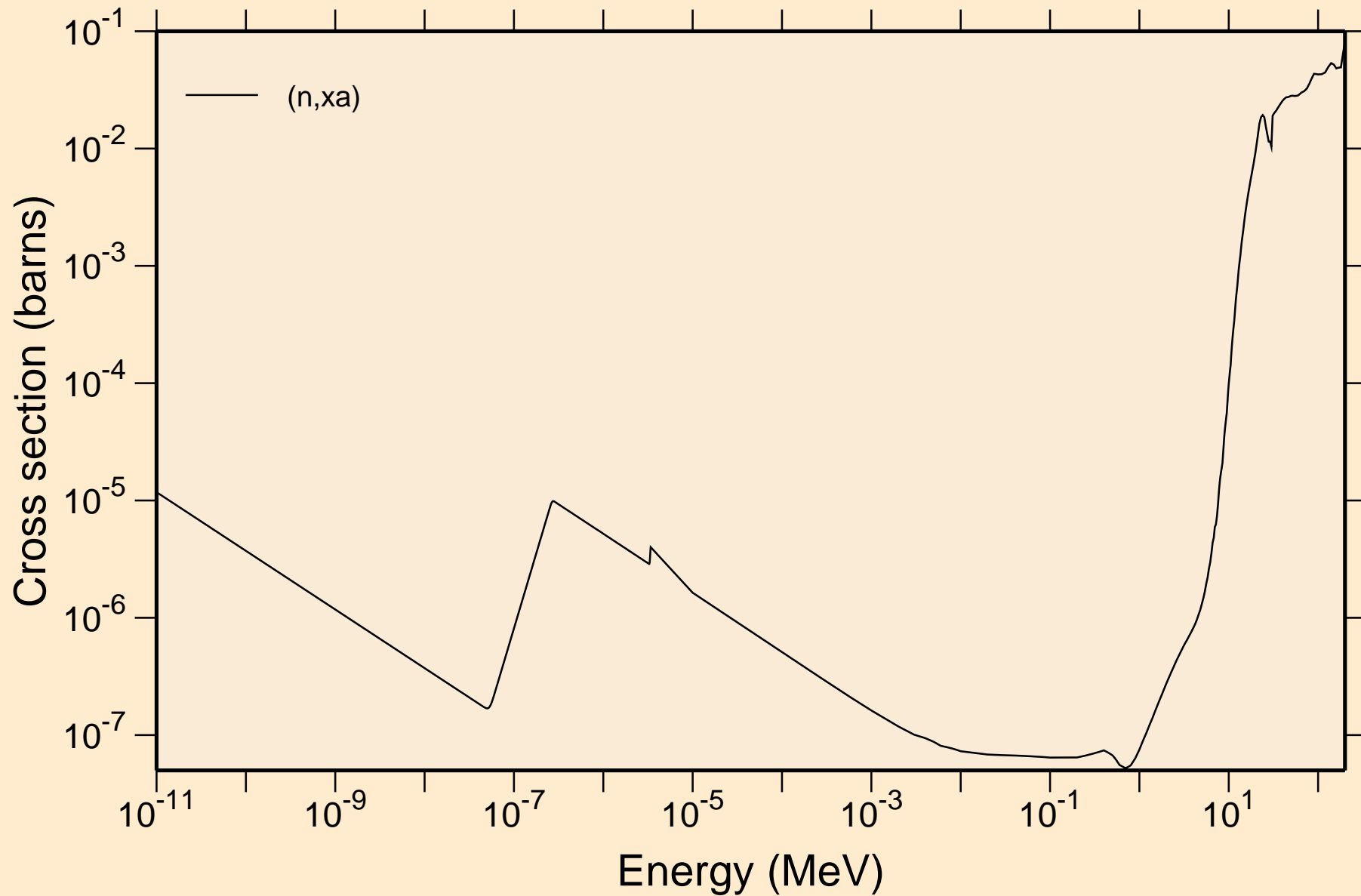


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

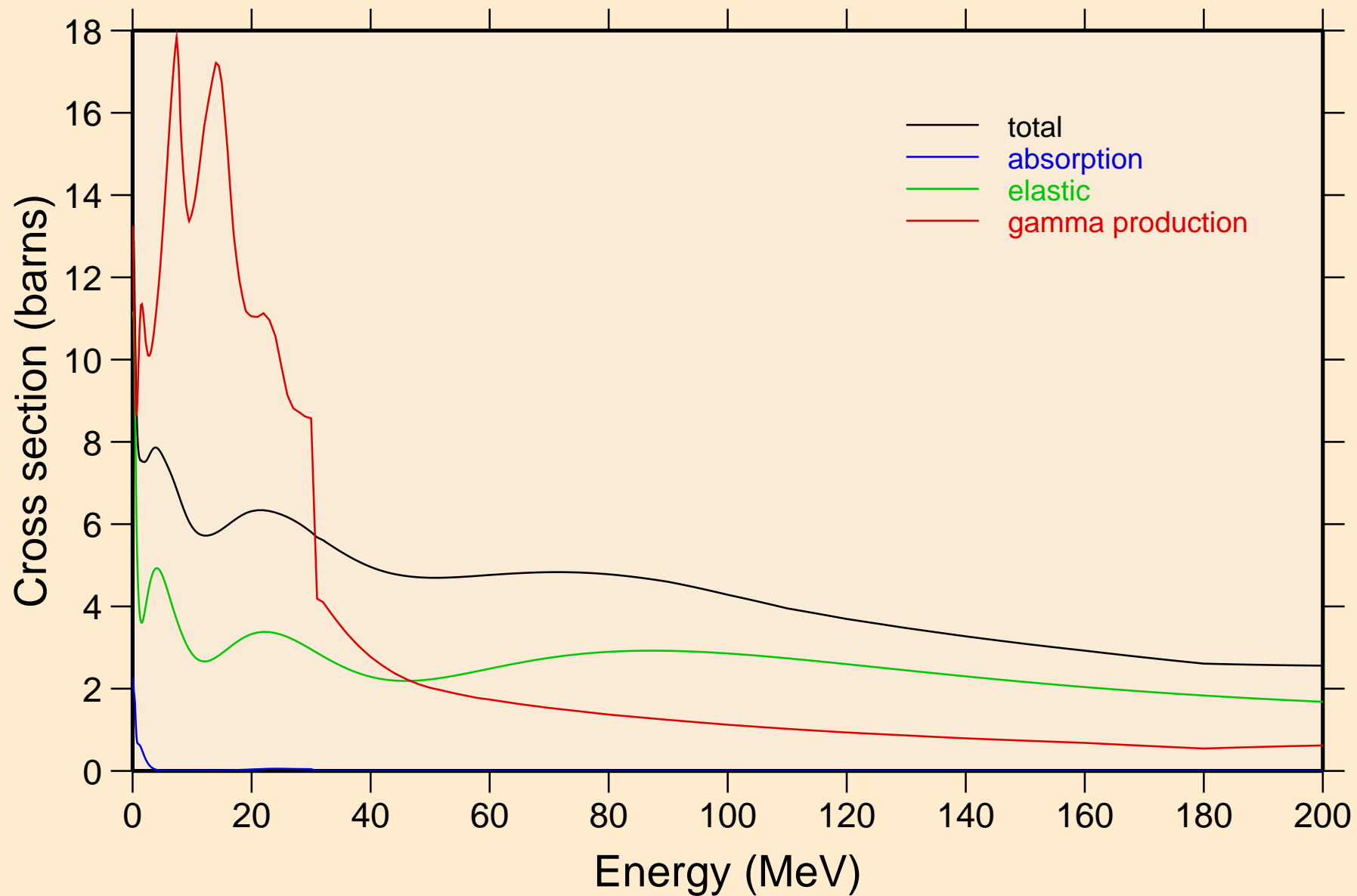
Non-threshold reactions



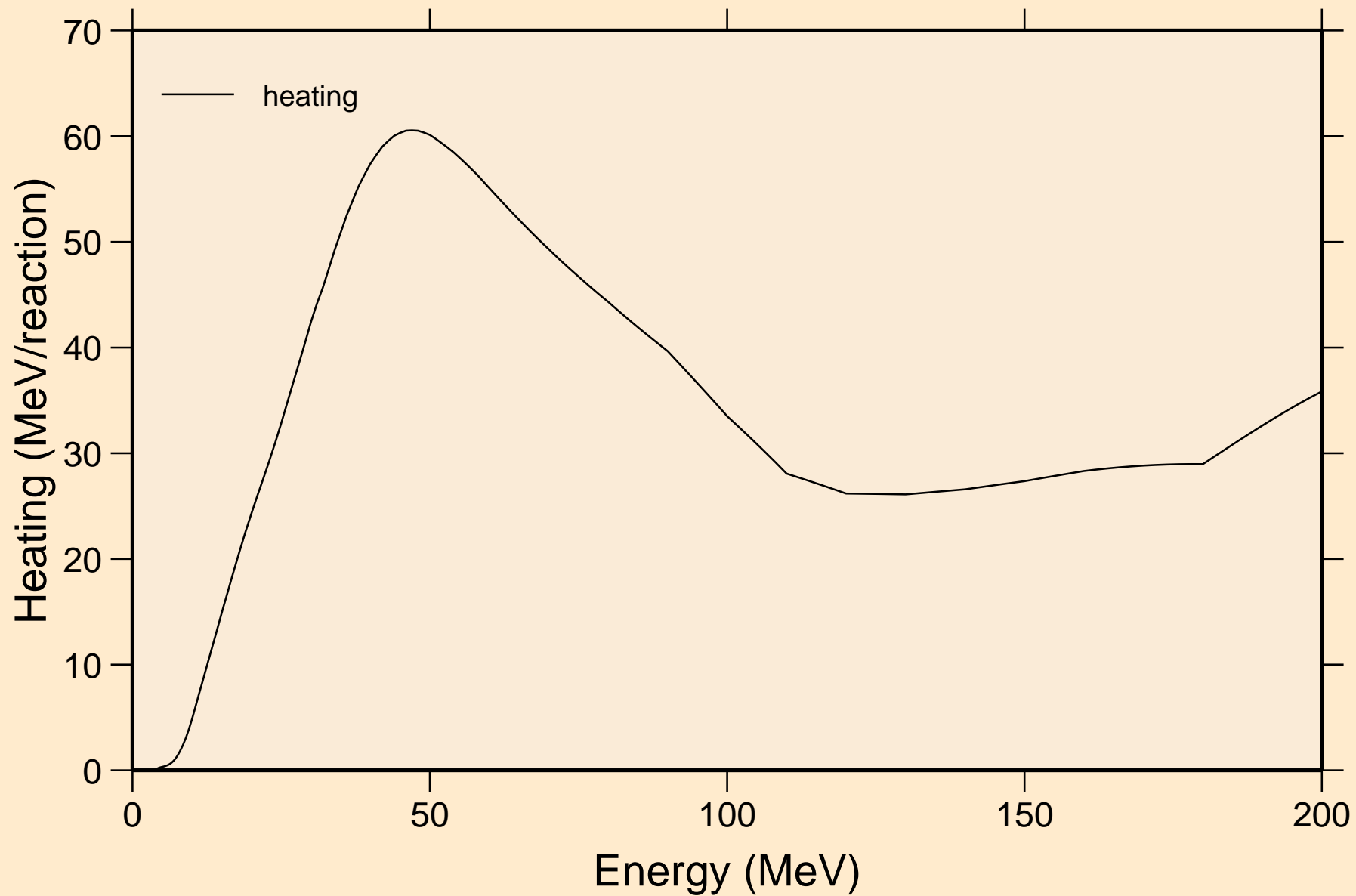
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



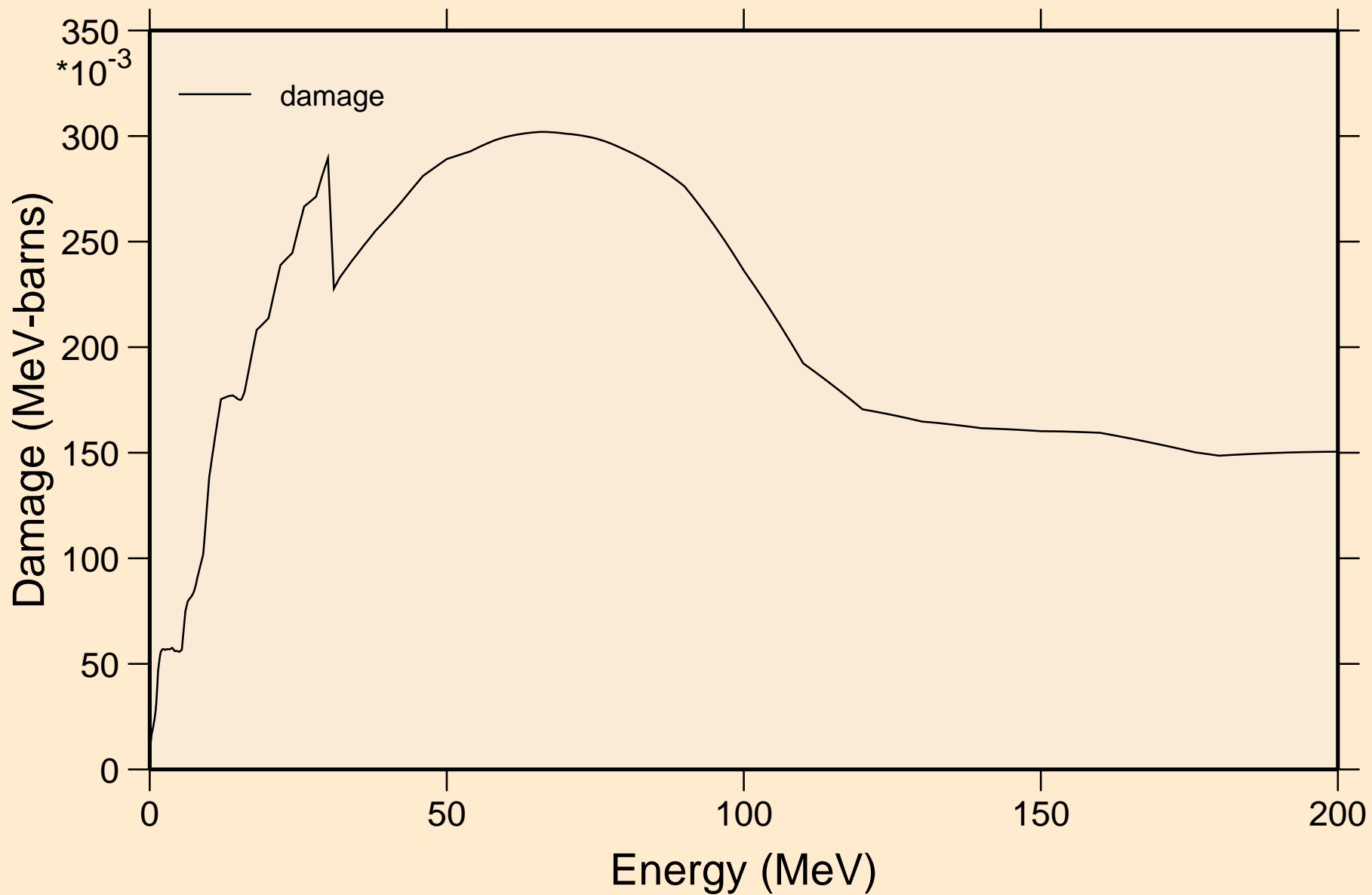
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



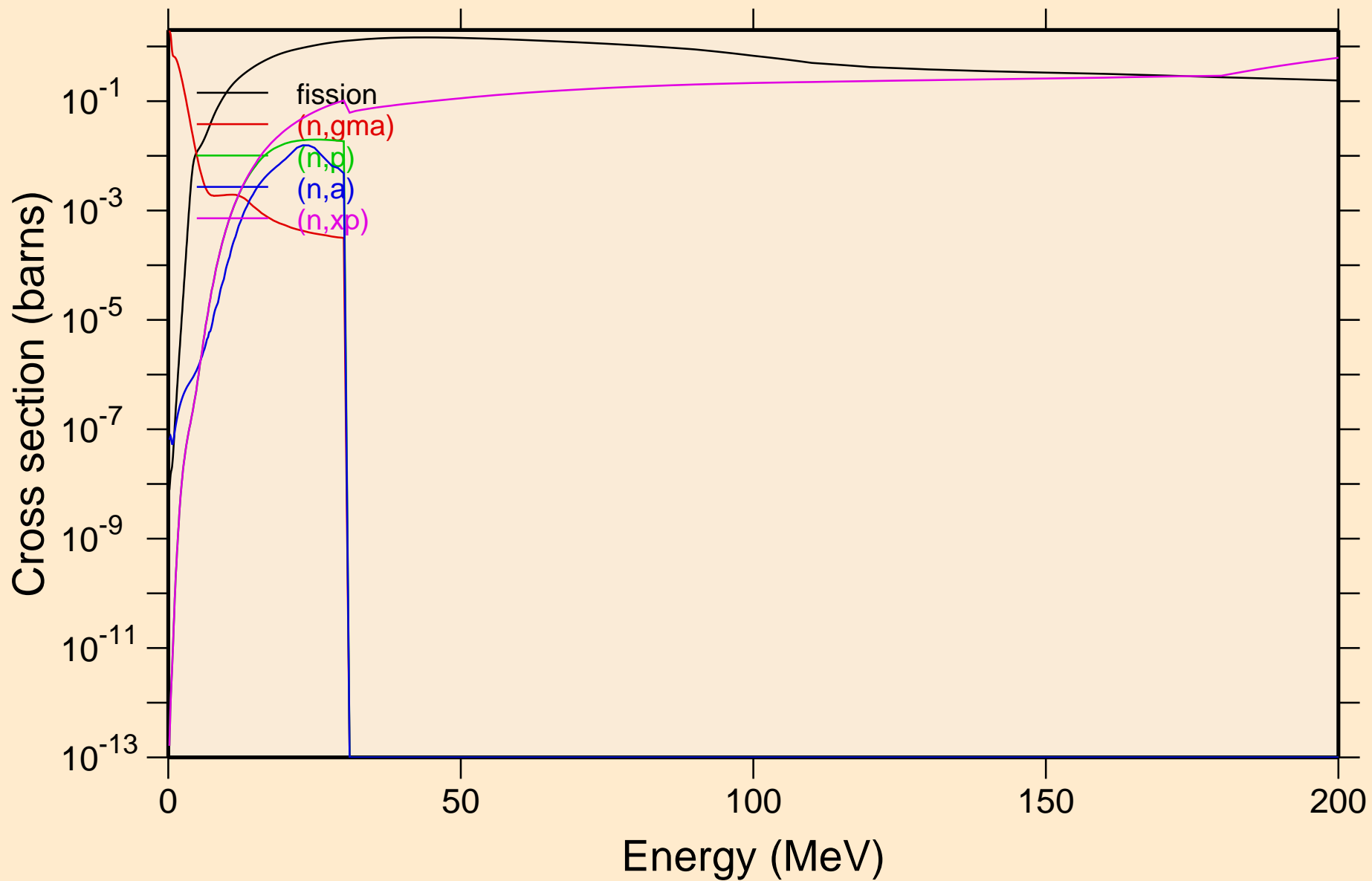
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



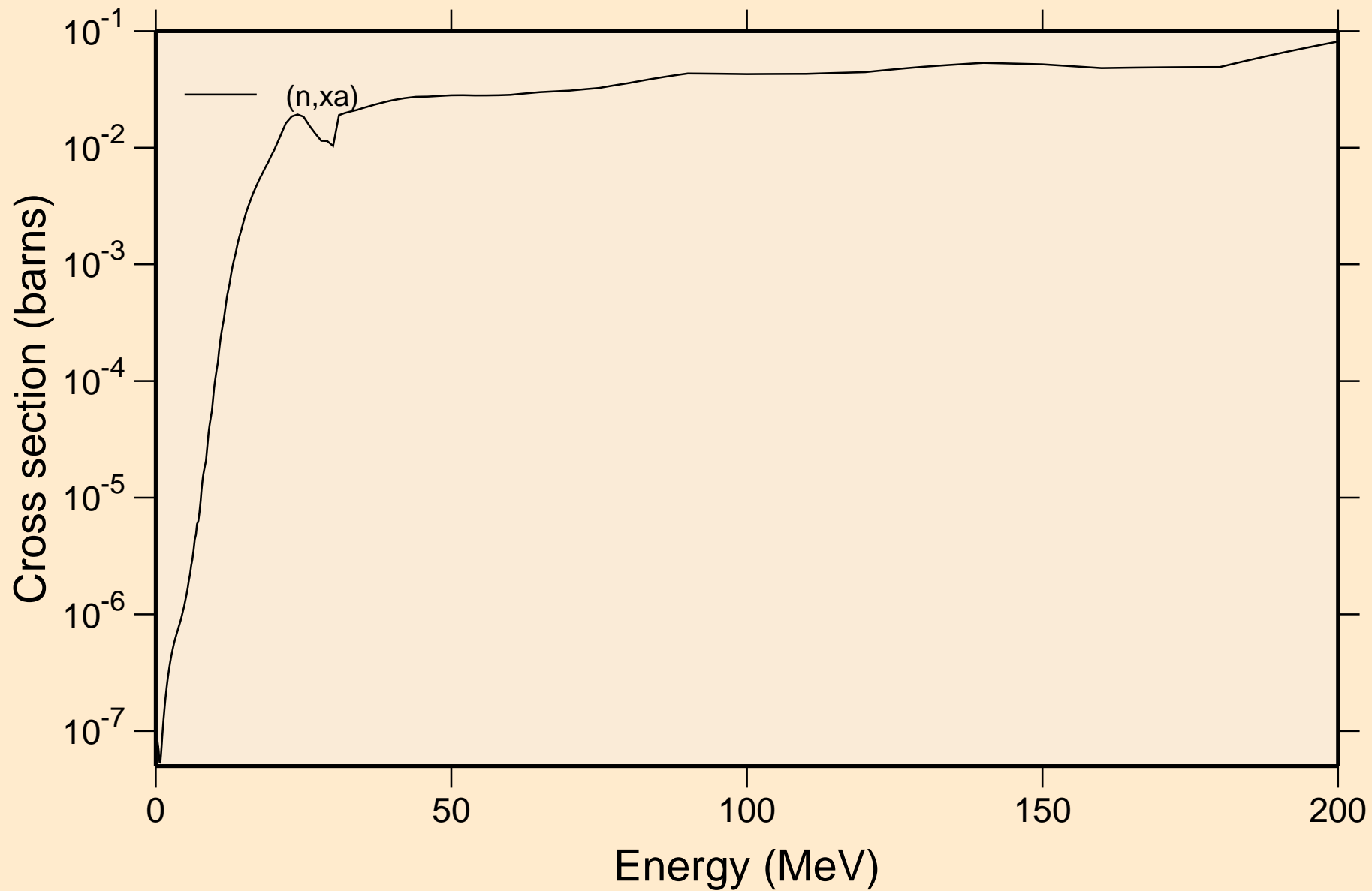
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



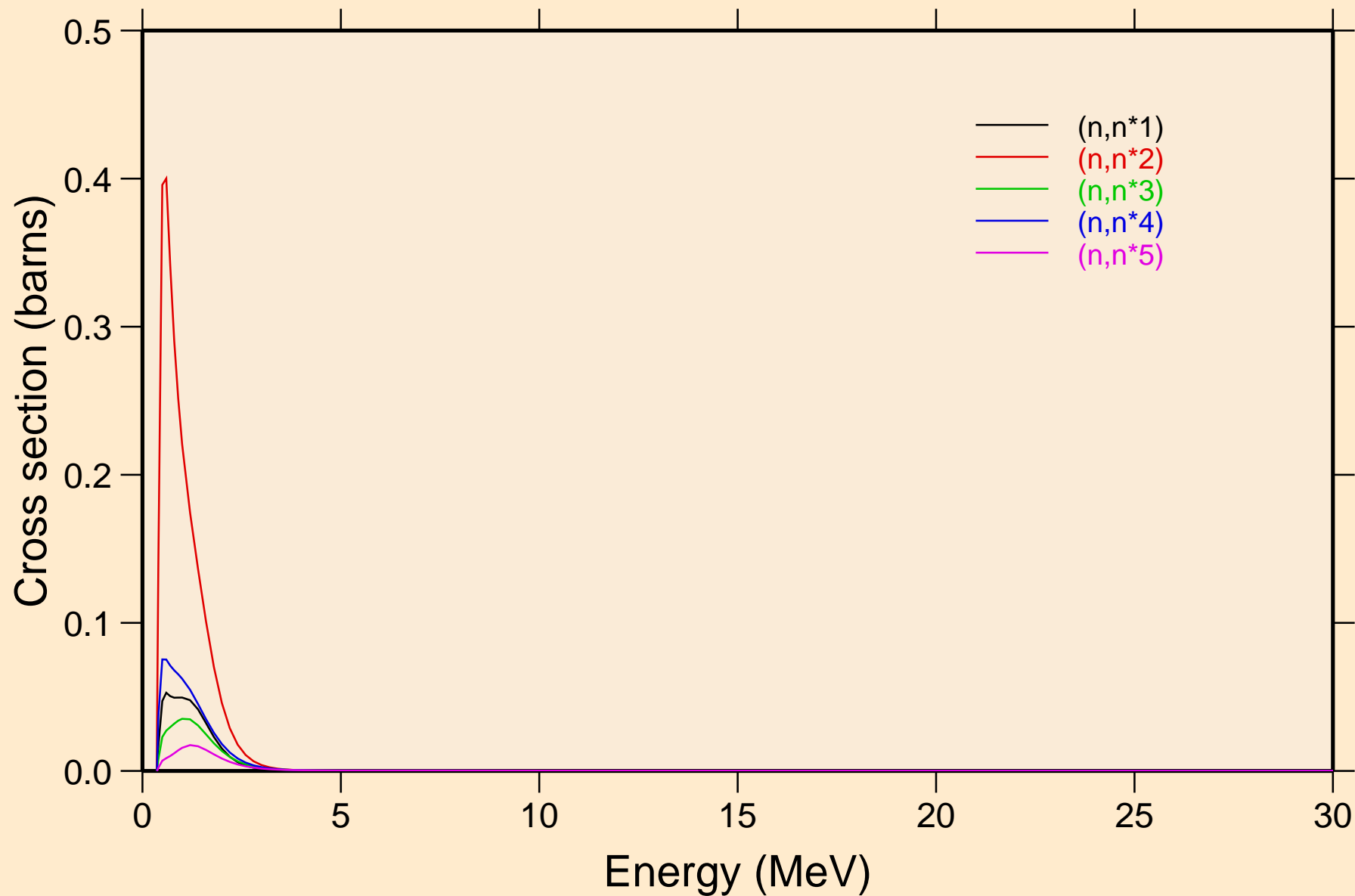
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



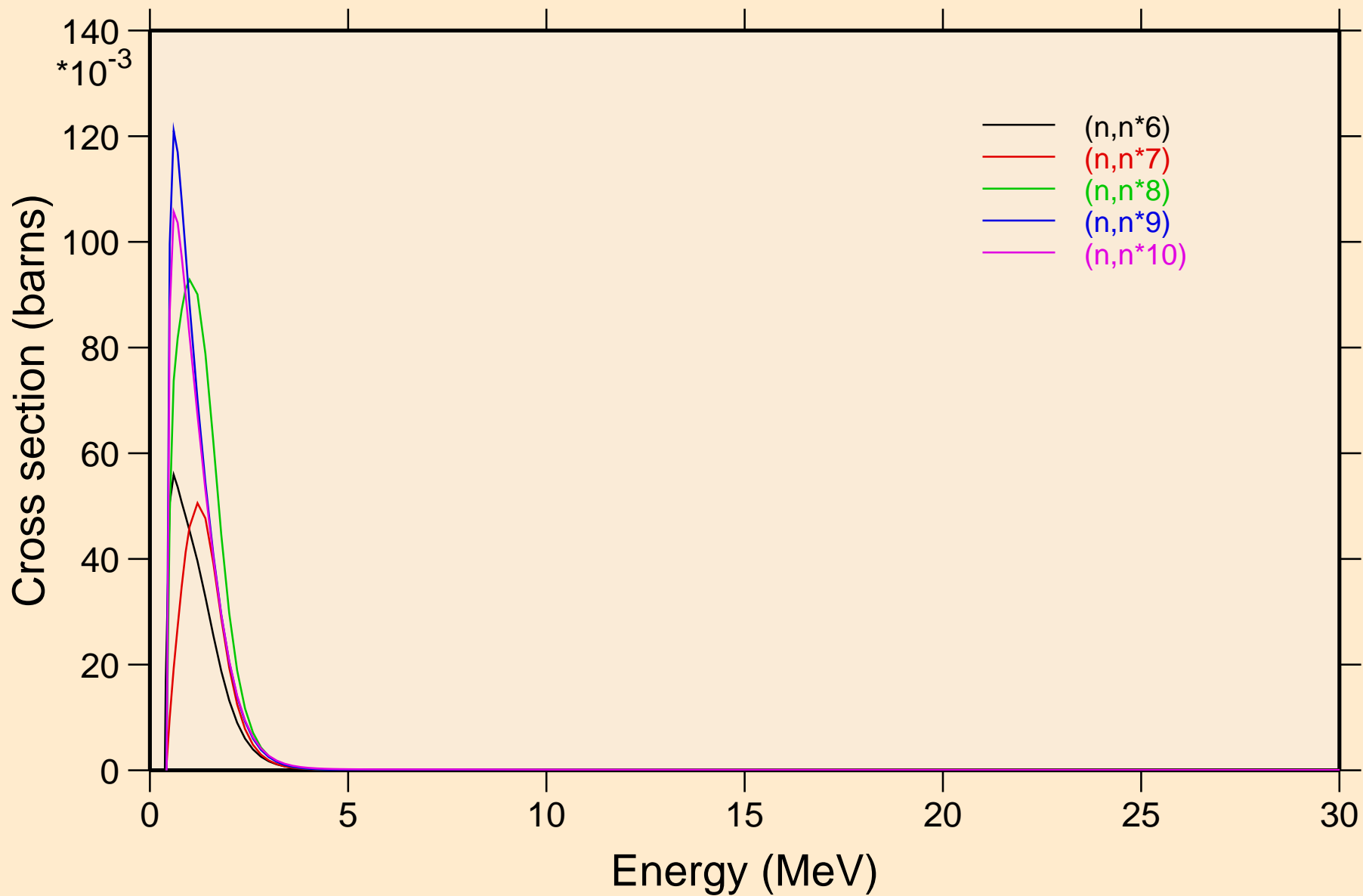
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



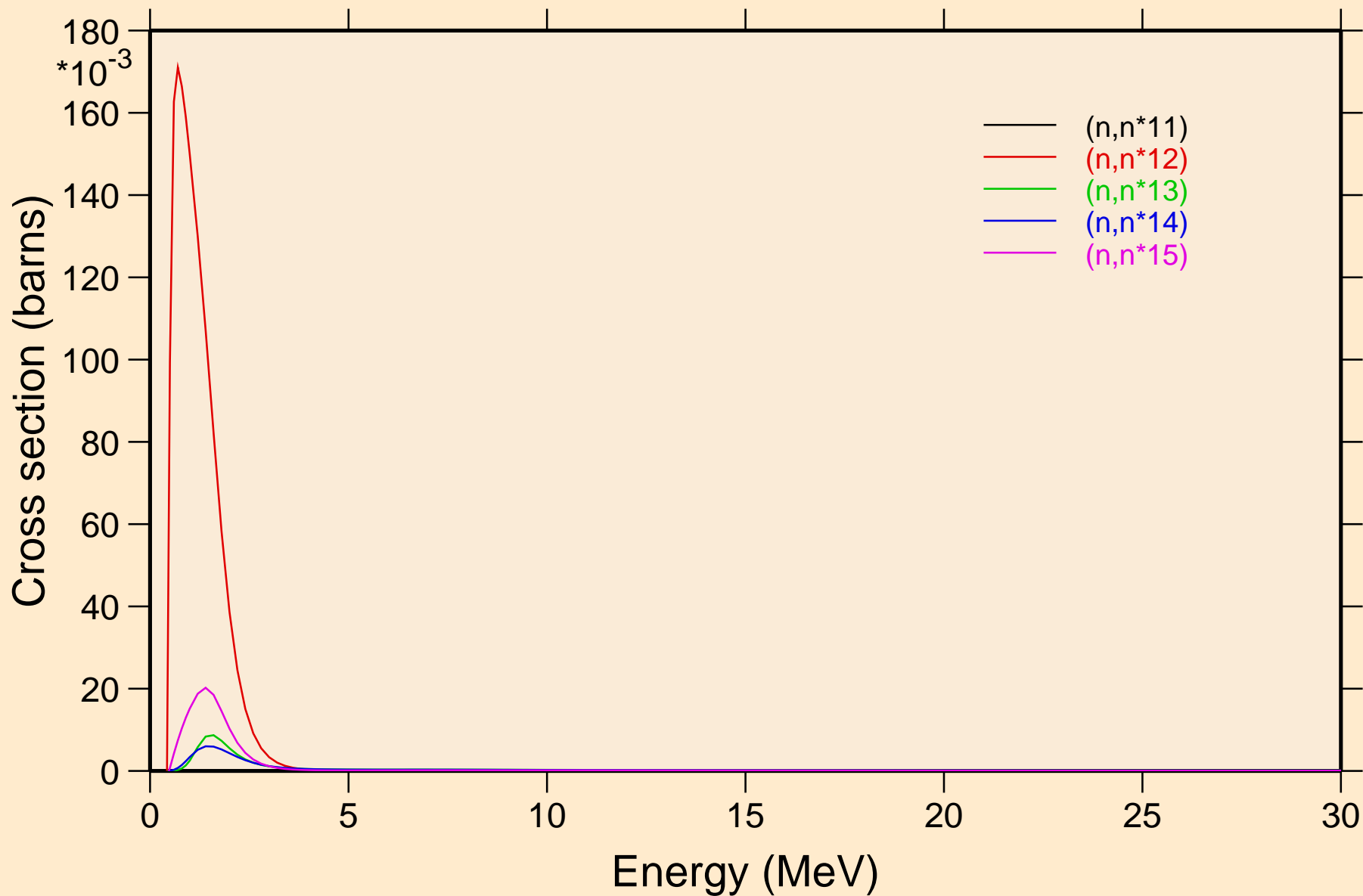
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



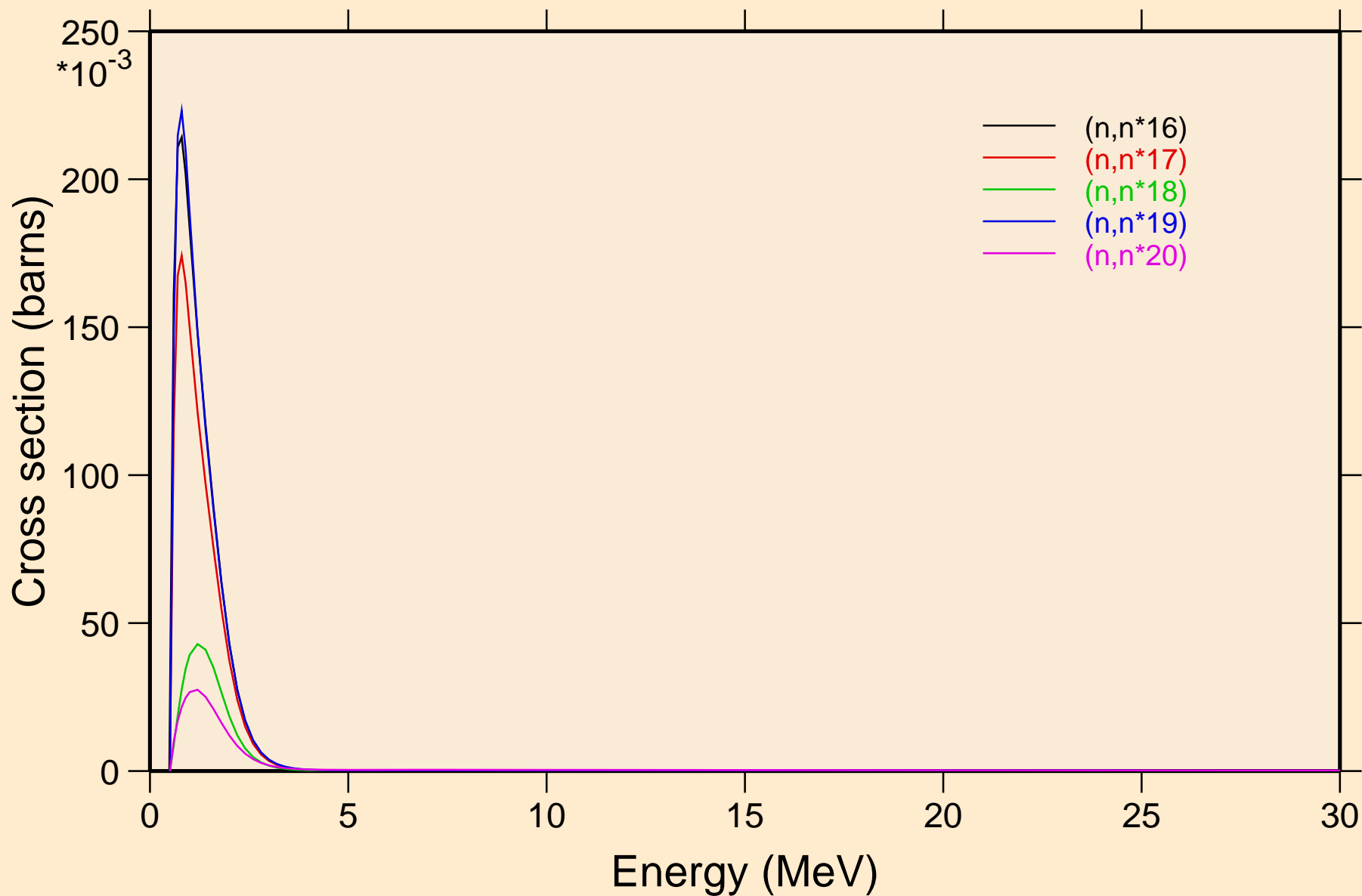
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



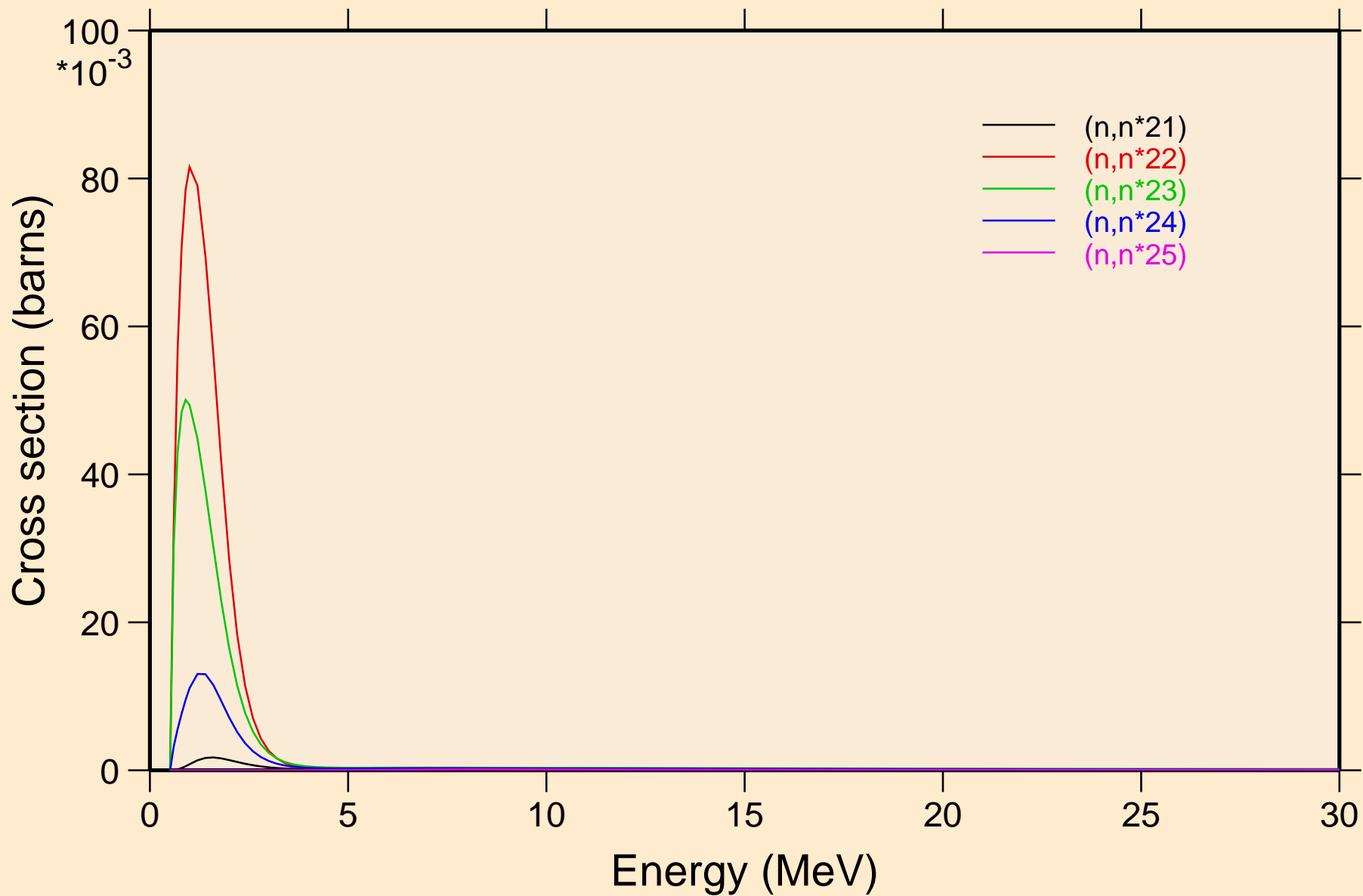
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



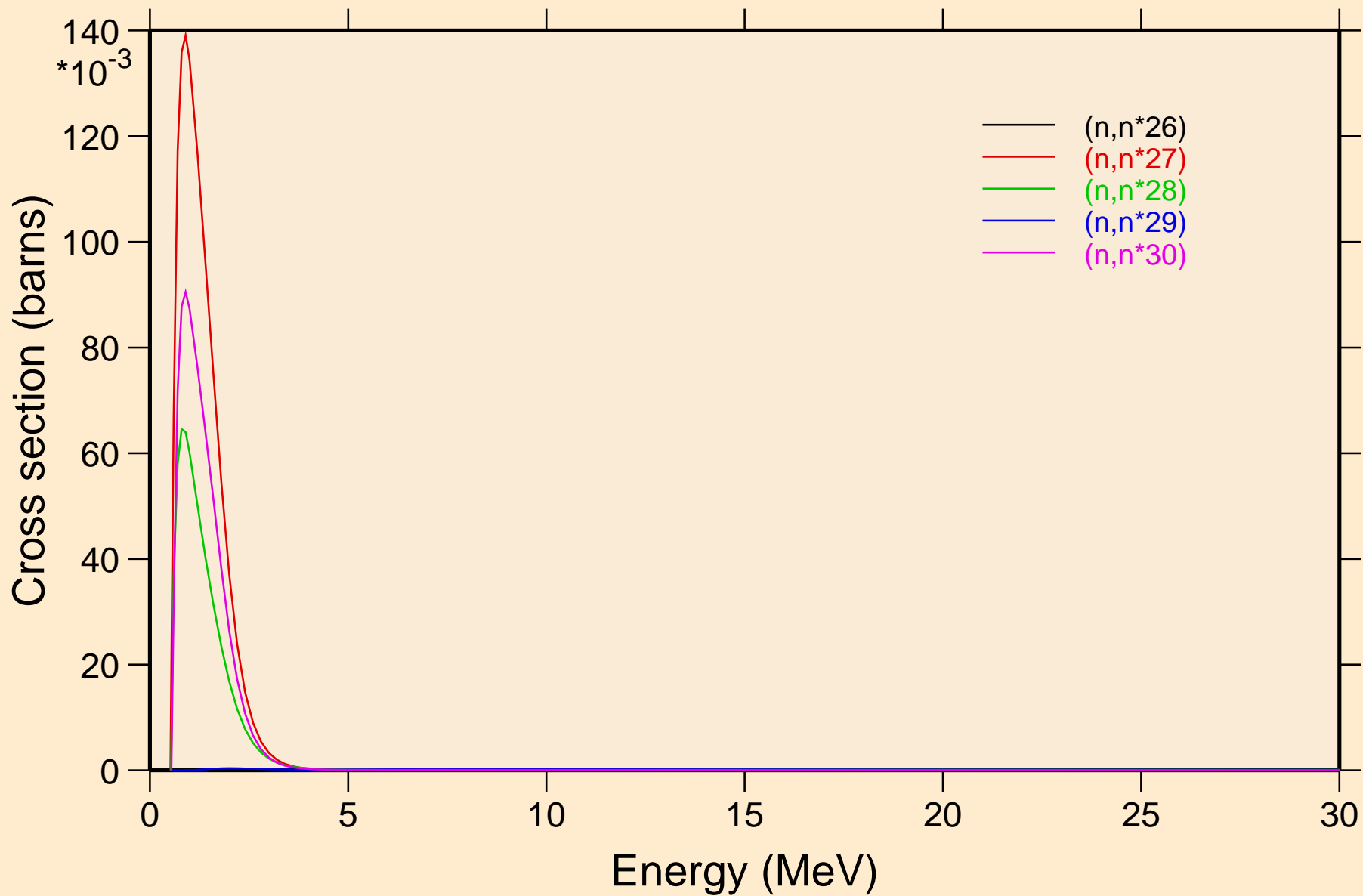
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



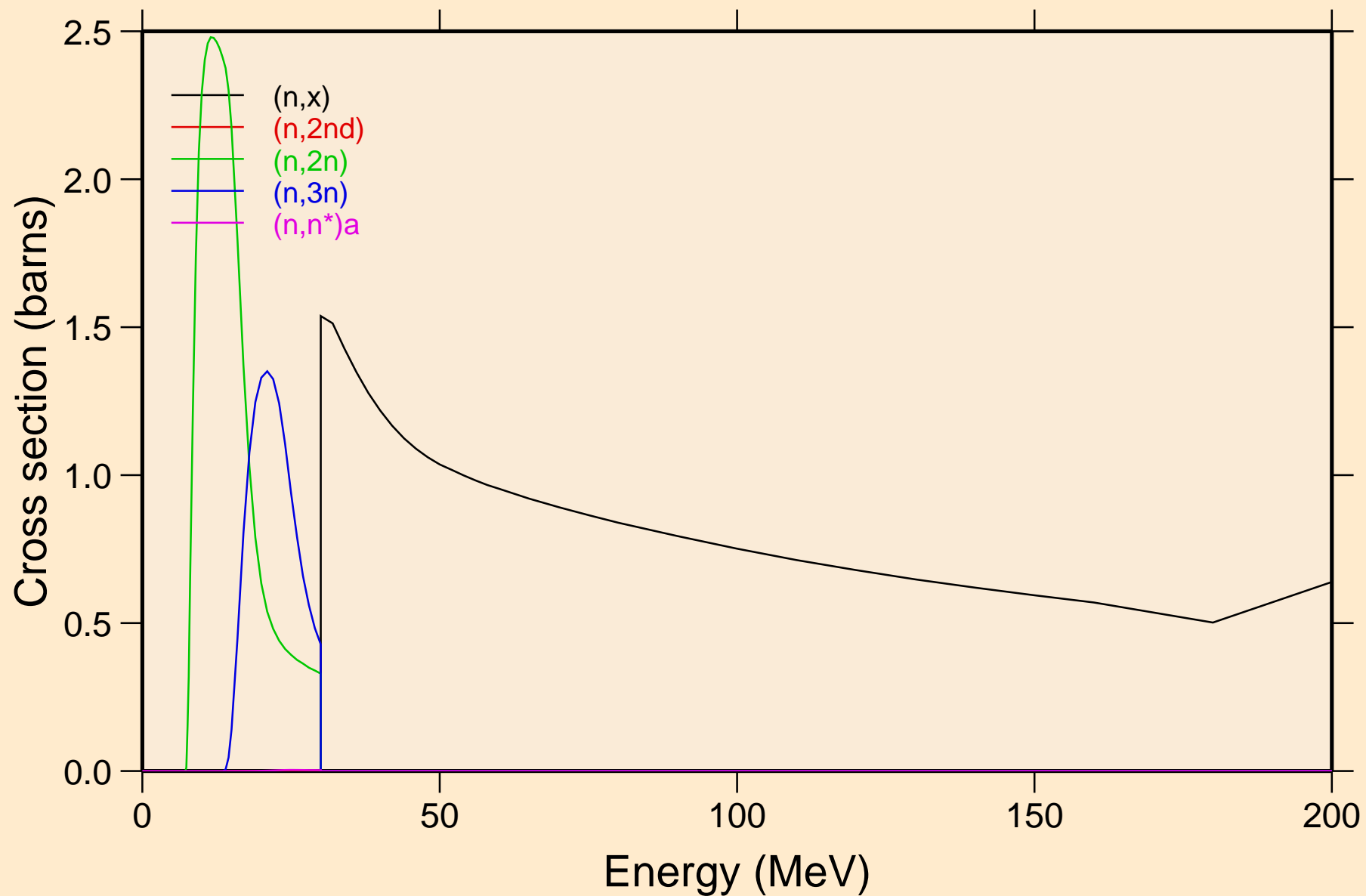
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



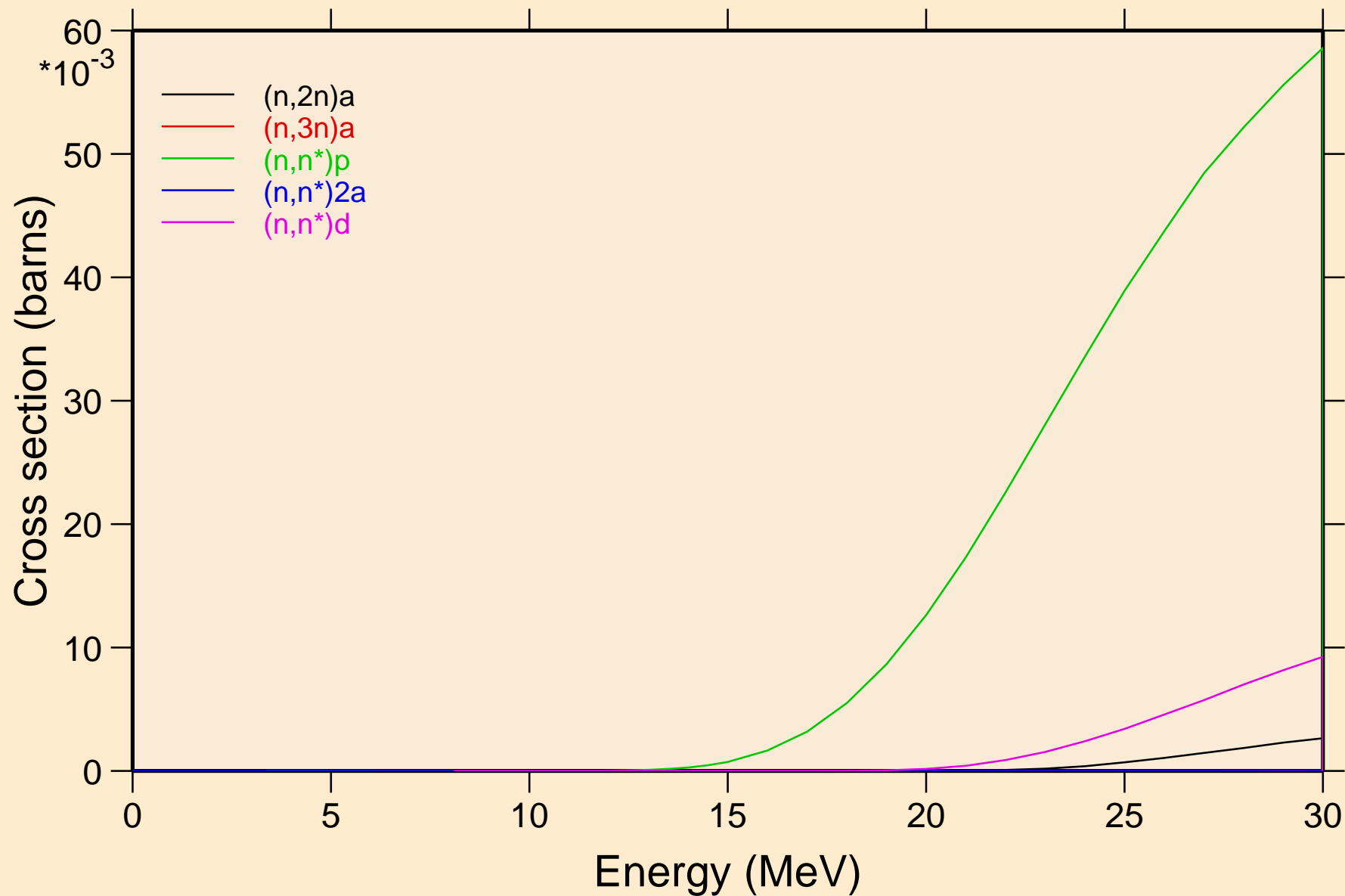
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



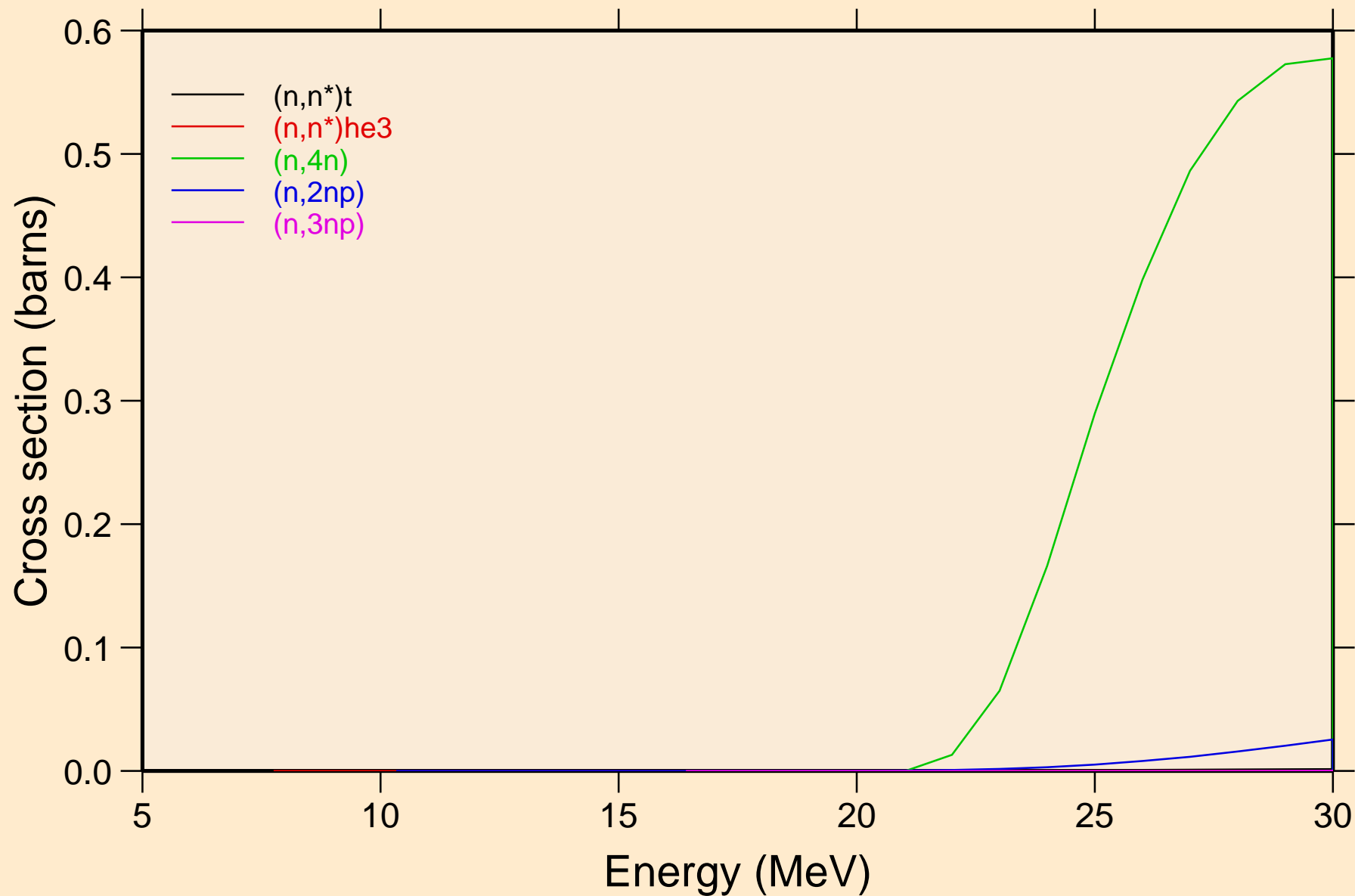
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



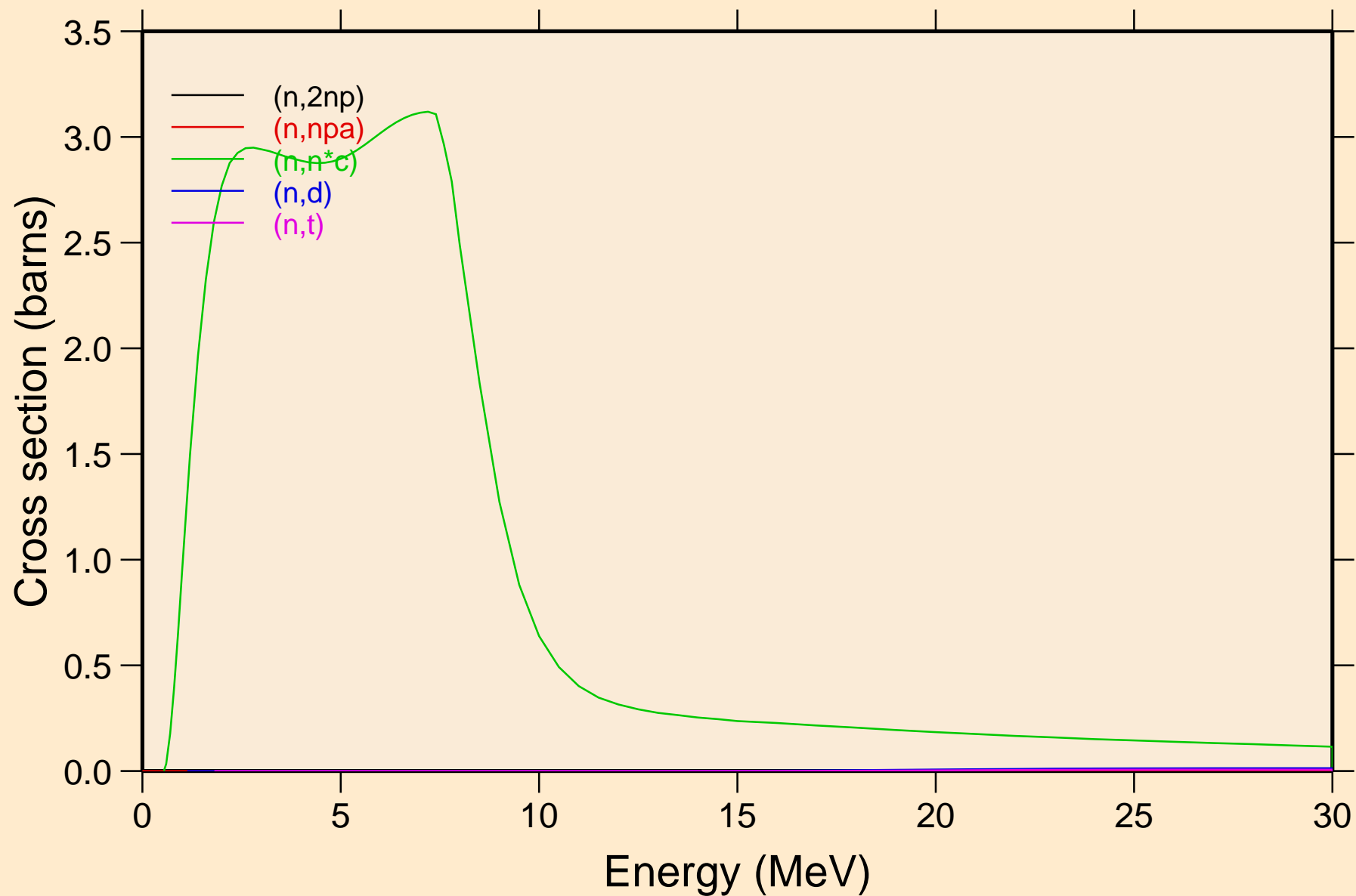
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

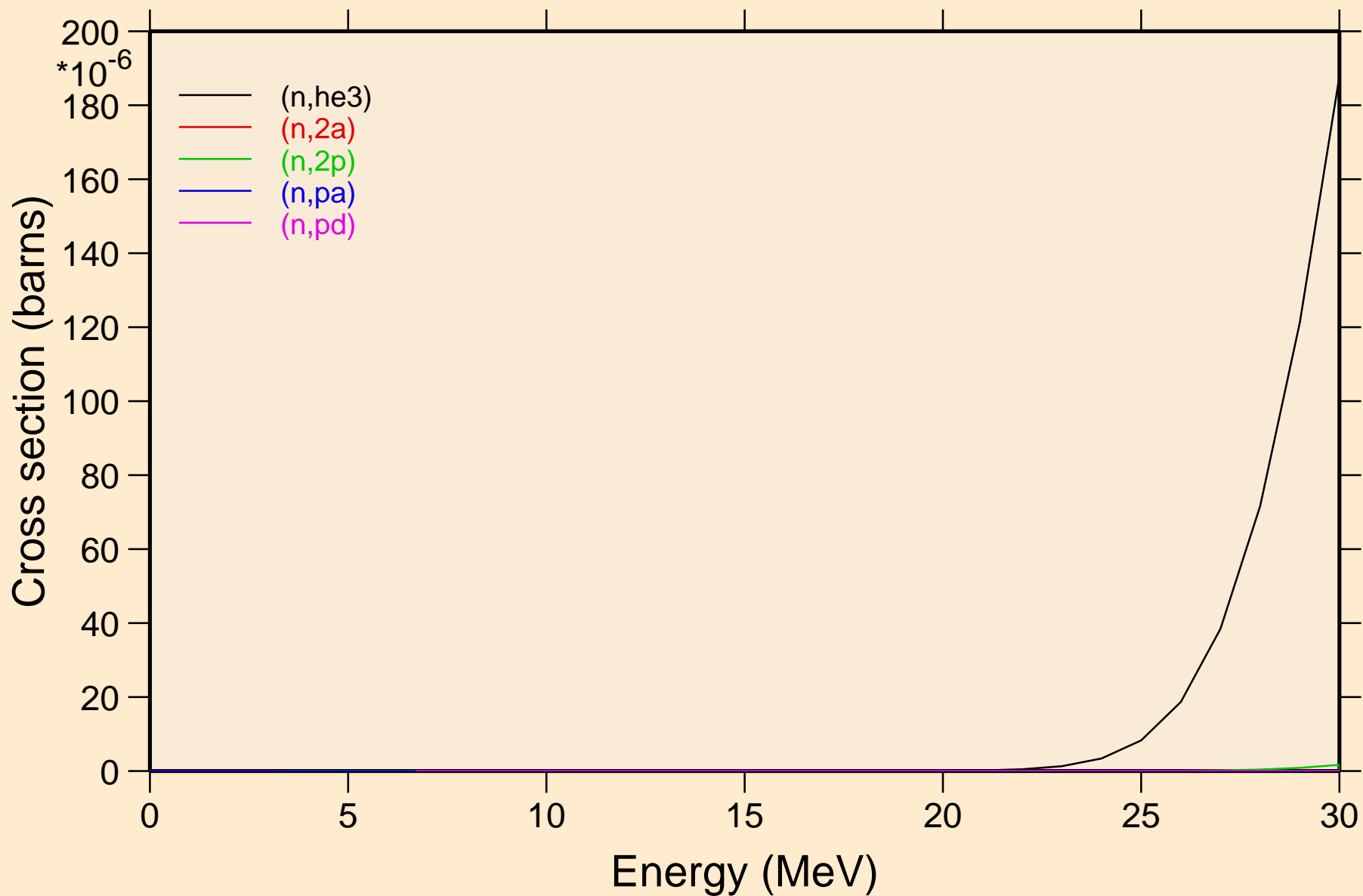


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

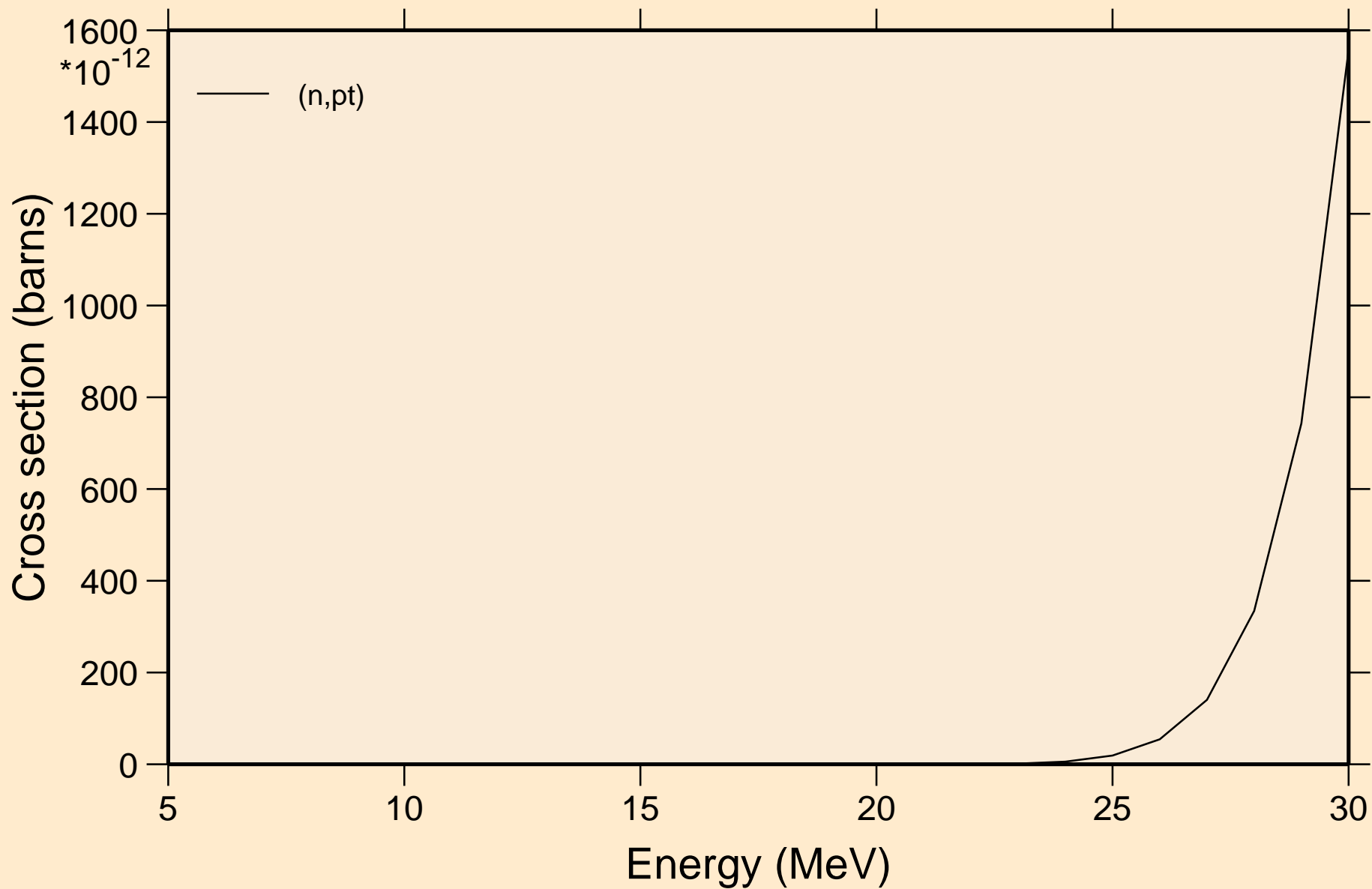


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

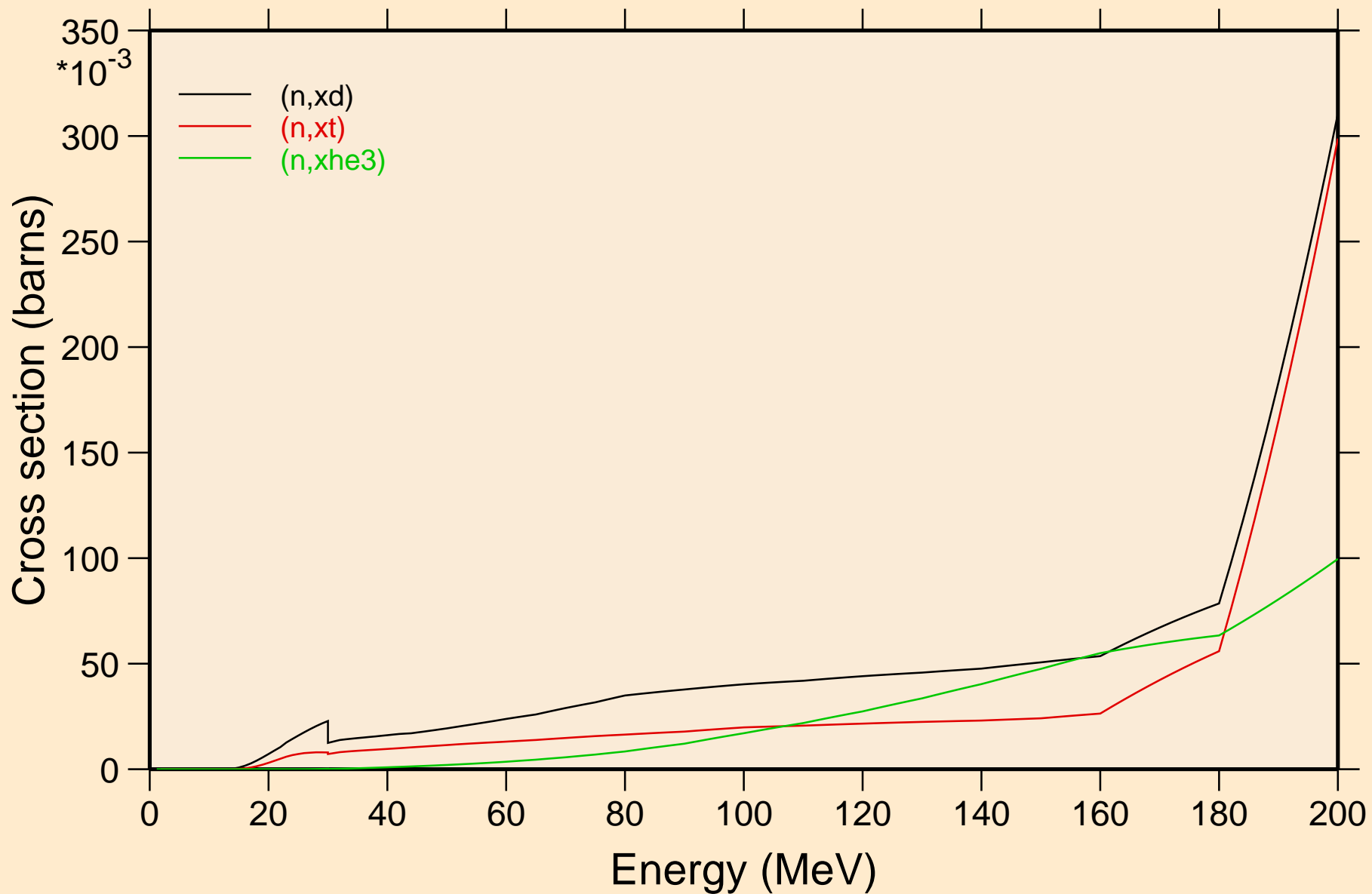


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

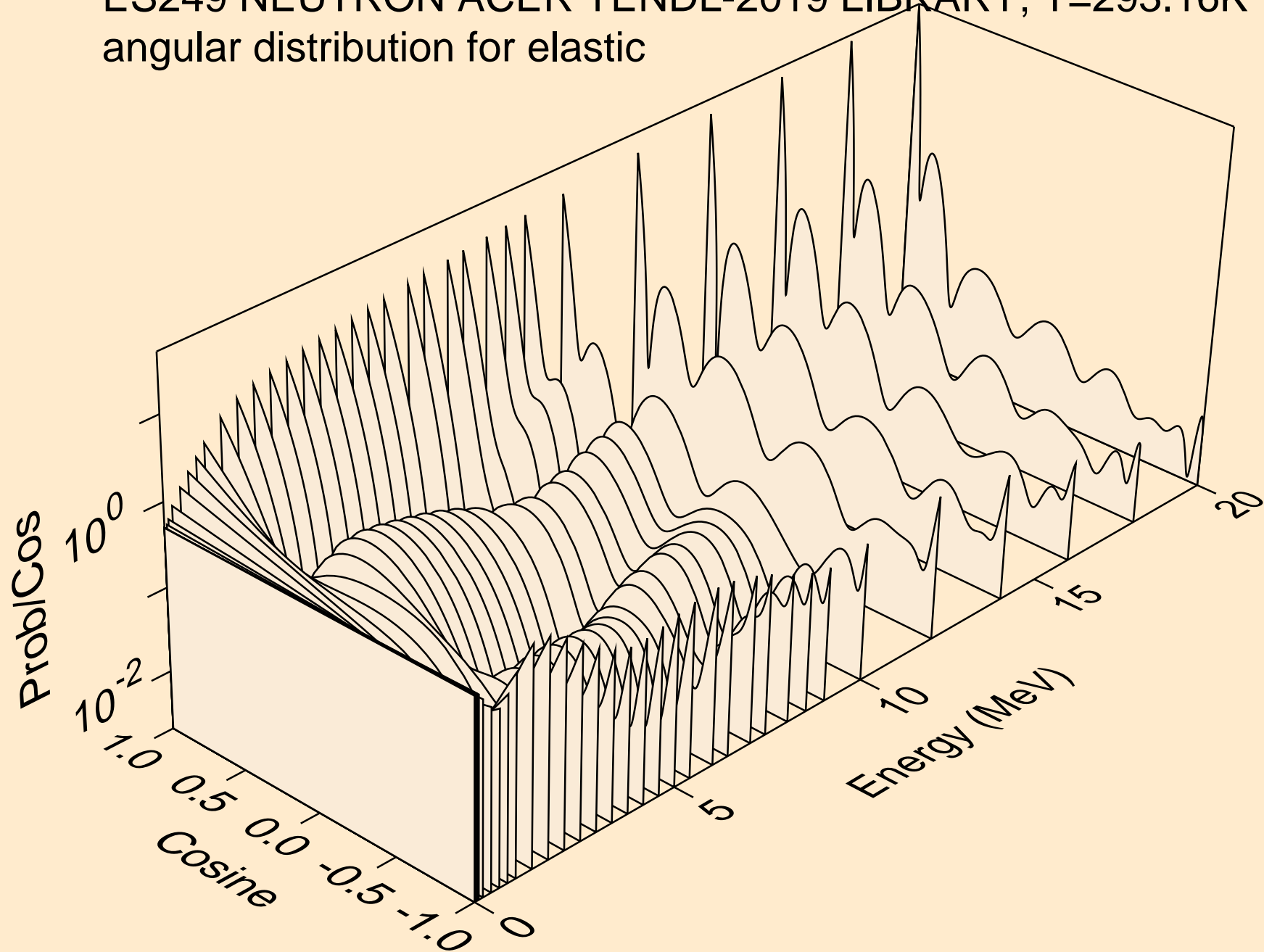


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

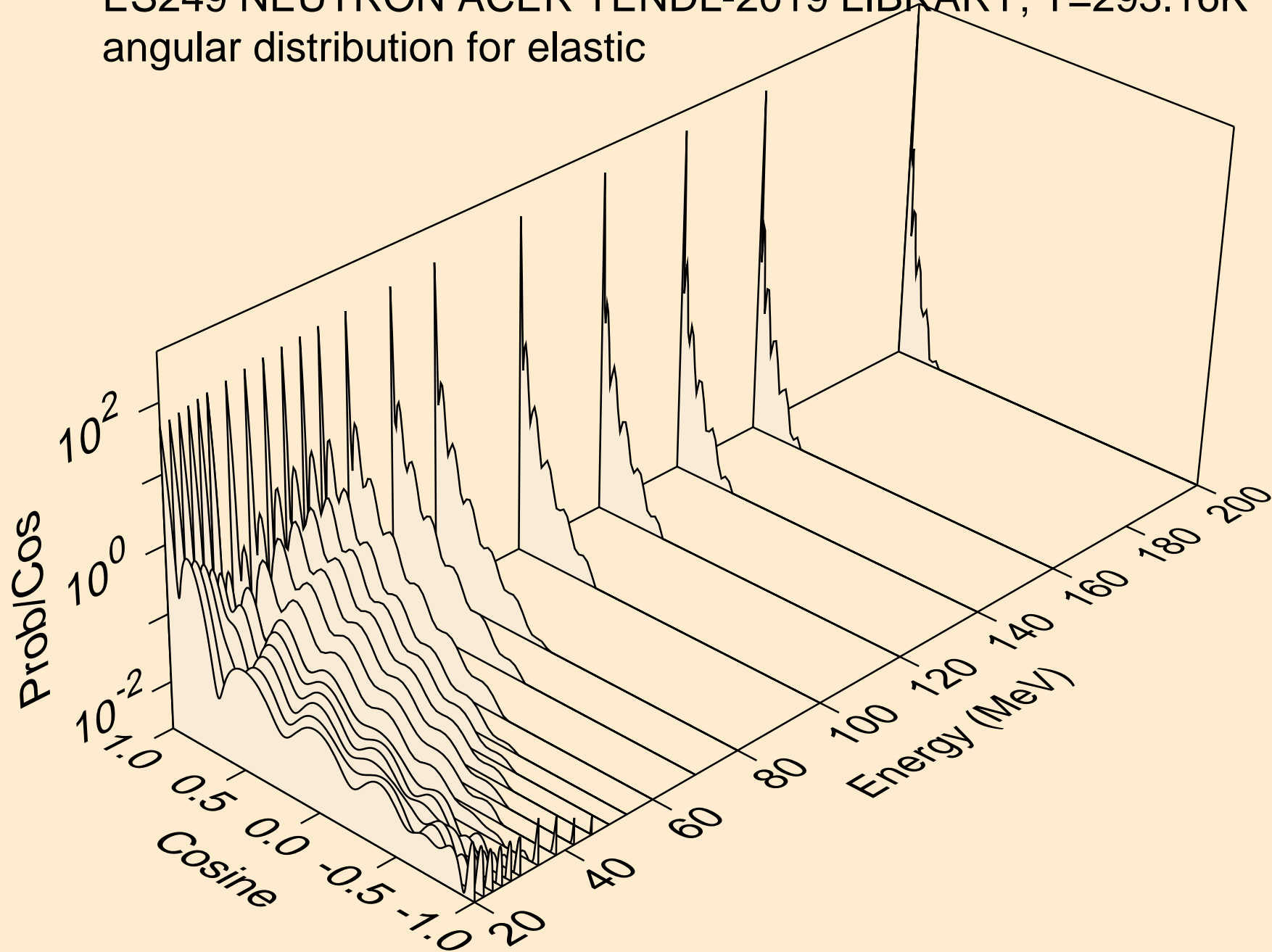
Threshold reactions



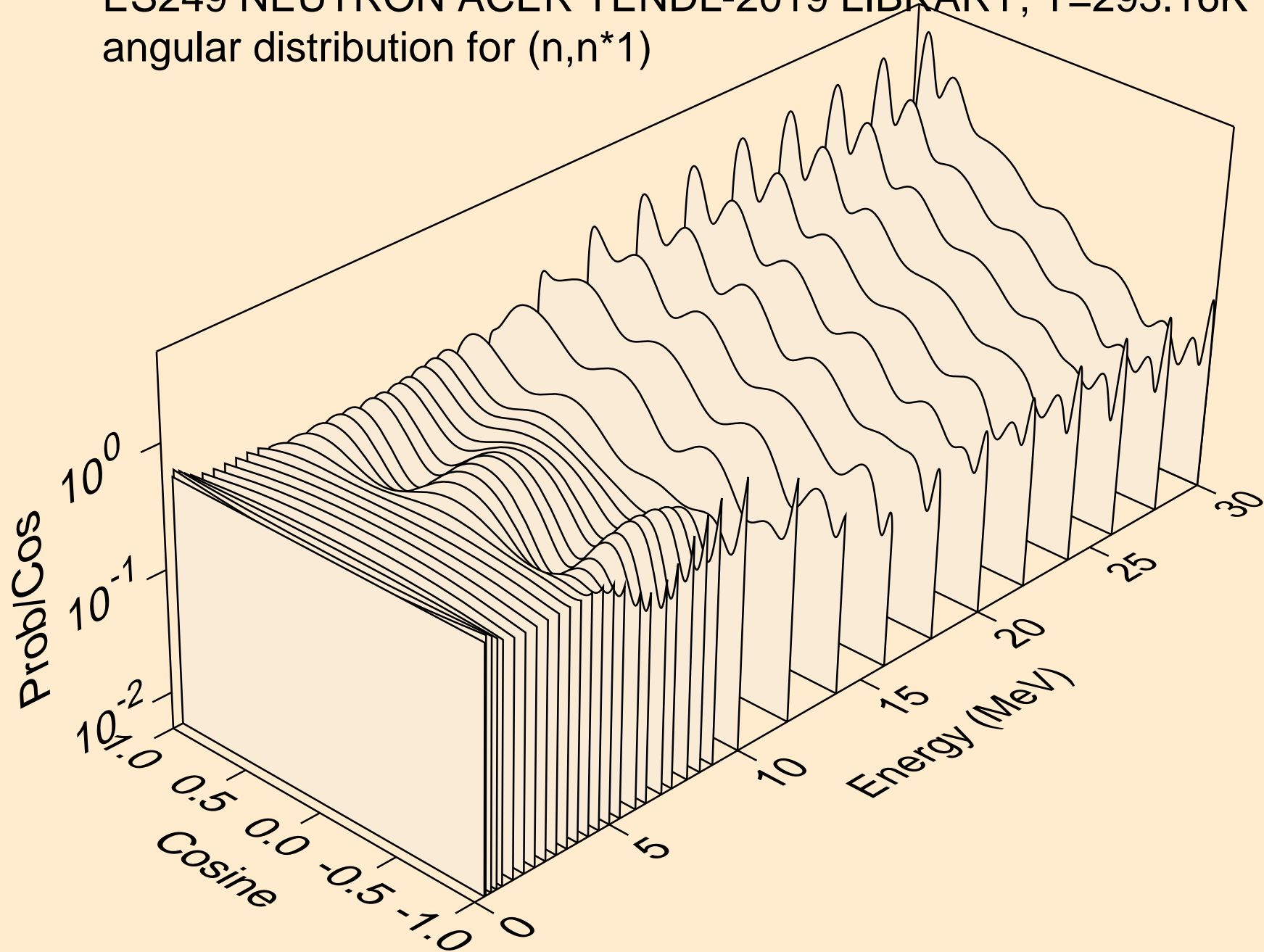
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



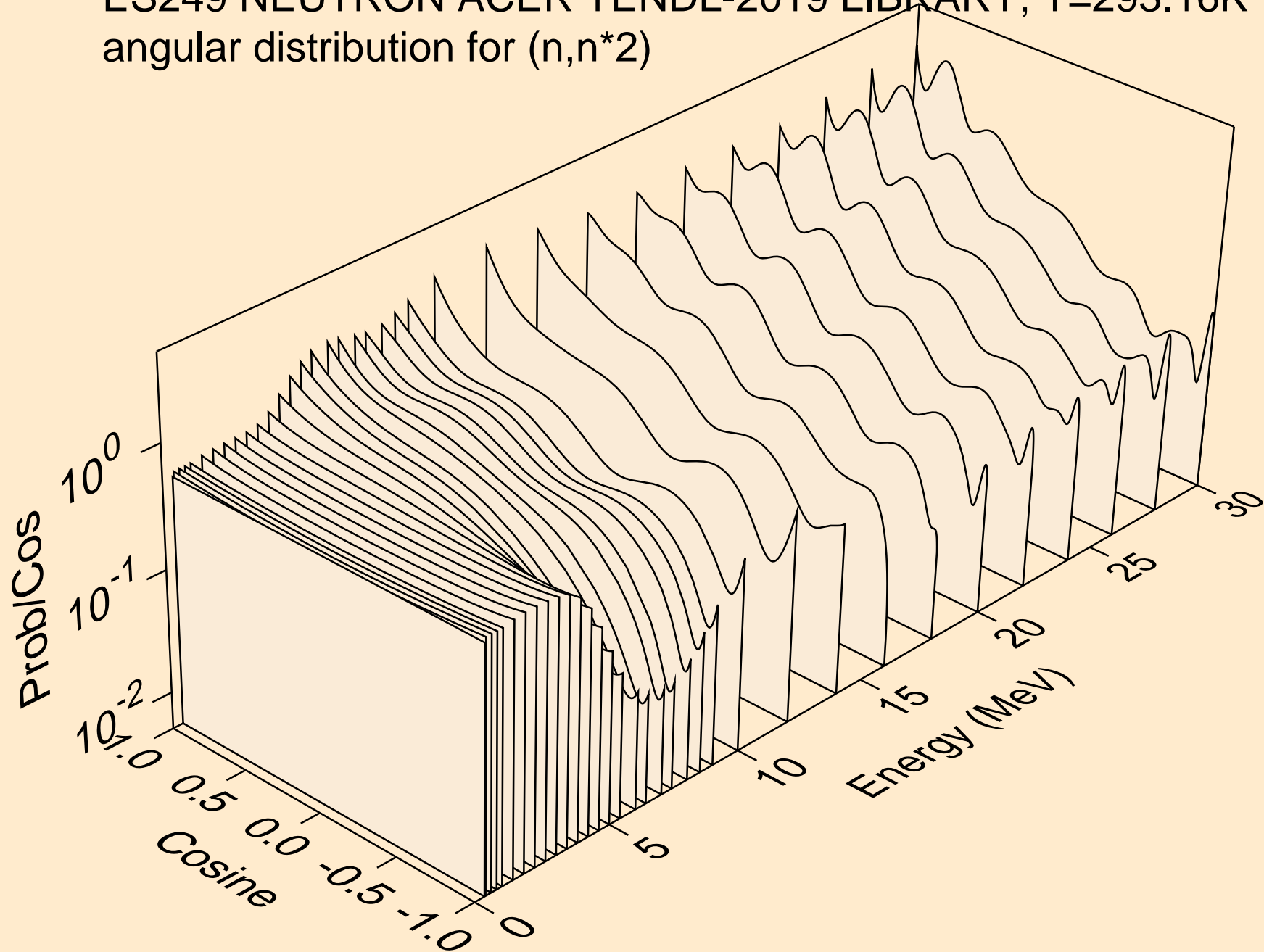
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



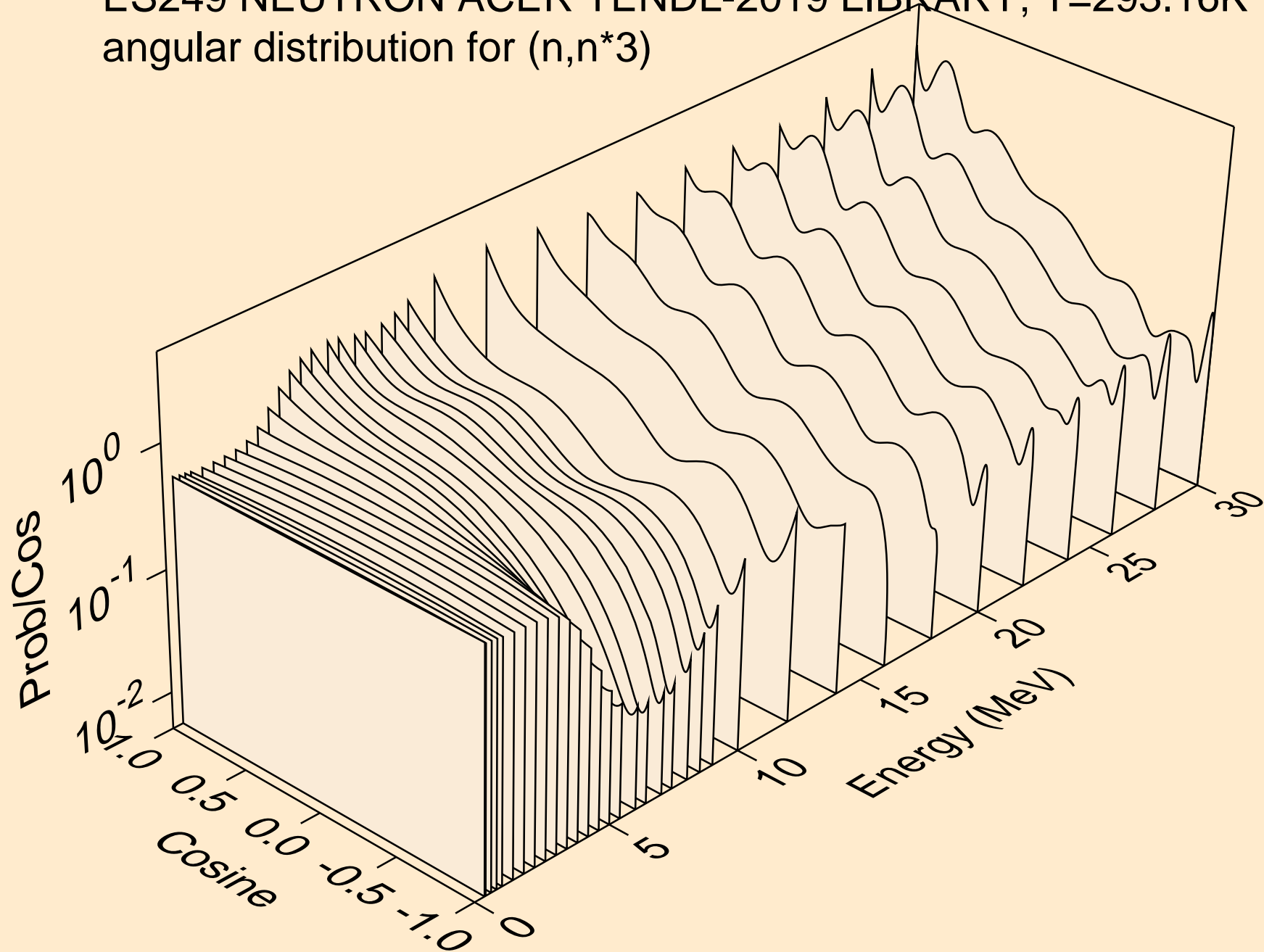
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



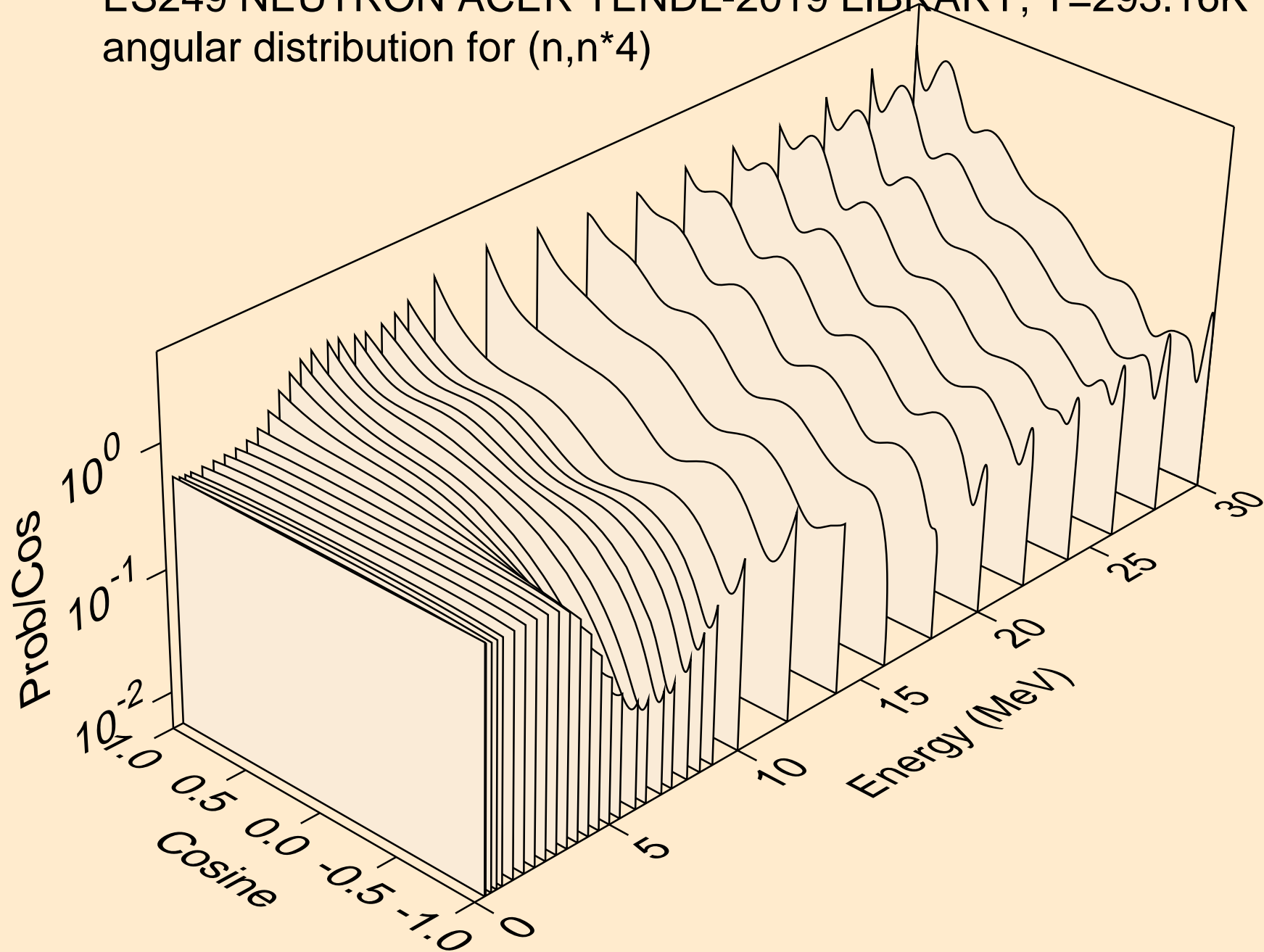
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



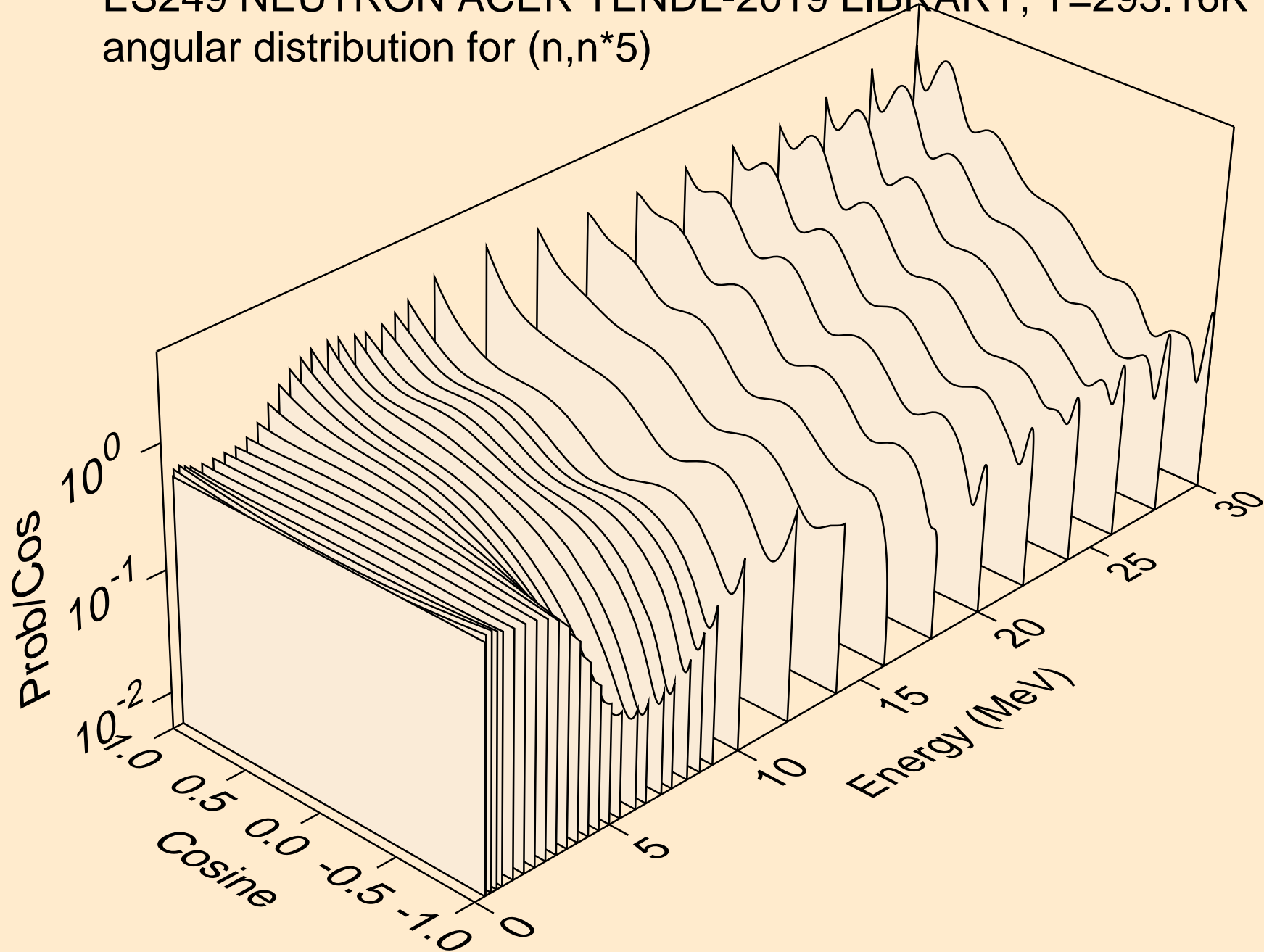
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



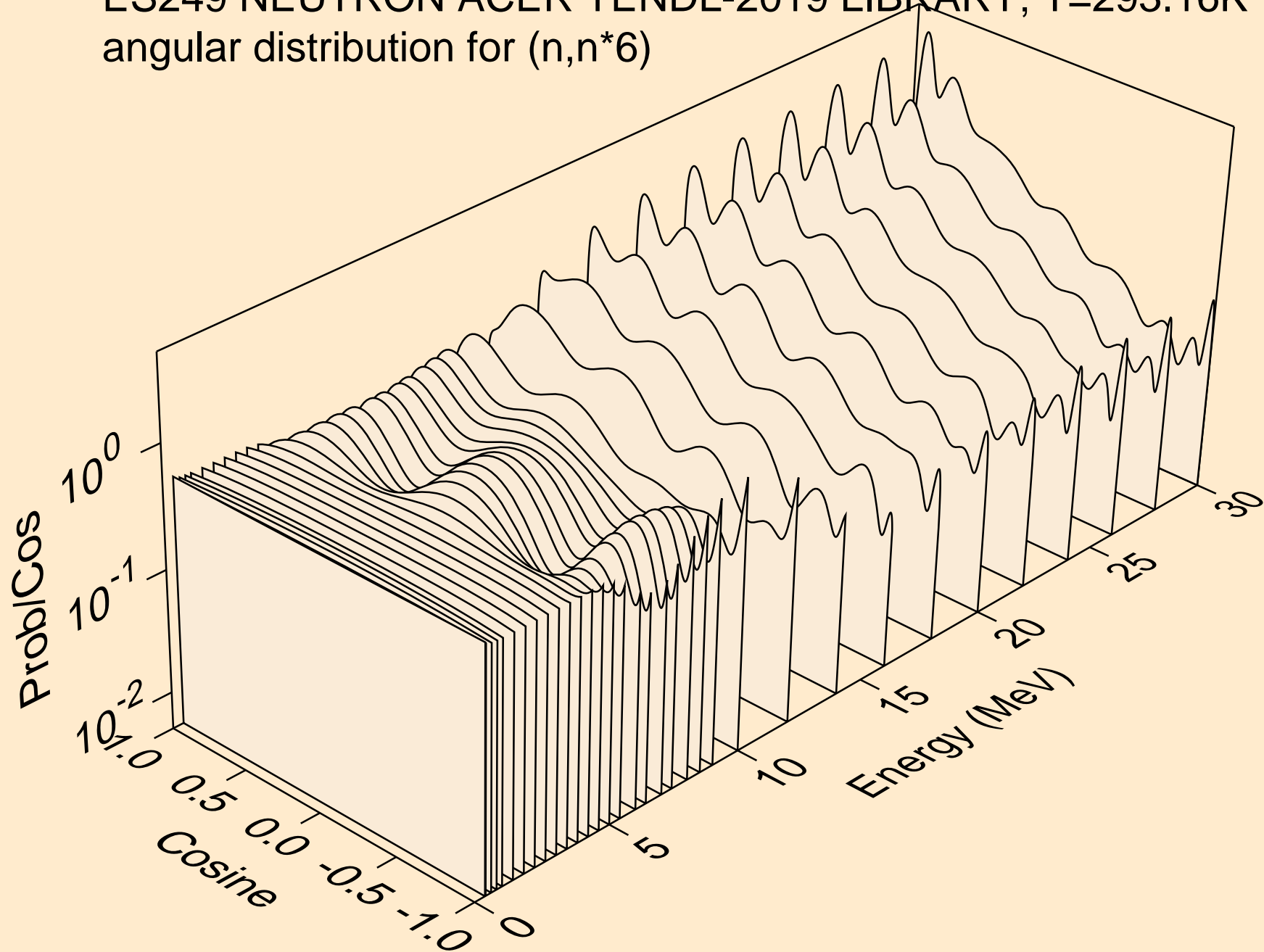
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



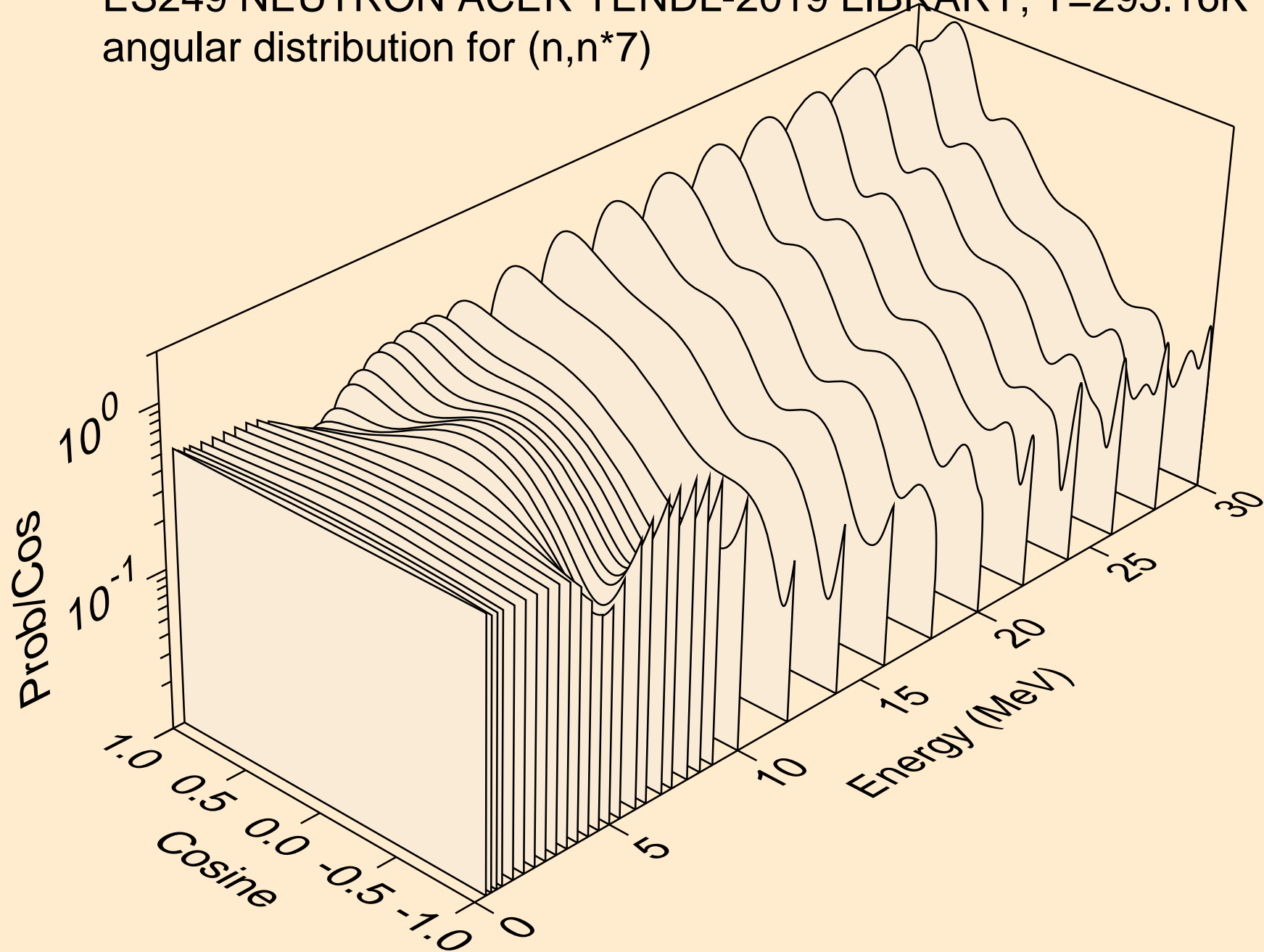
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



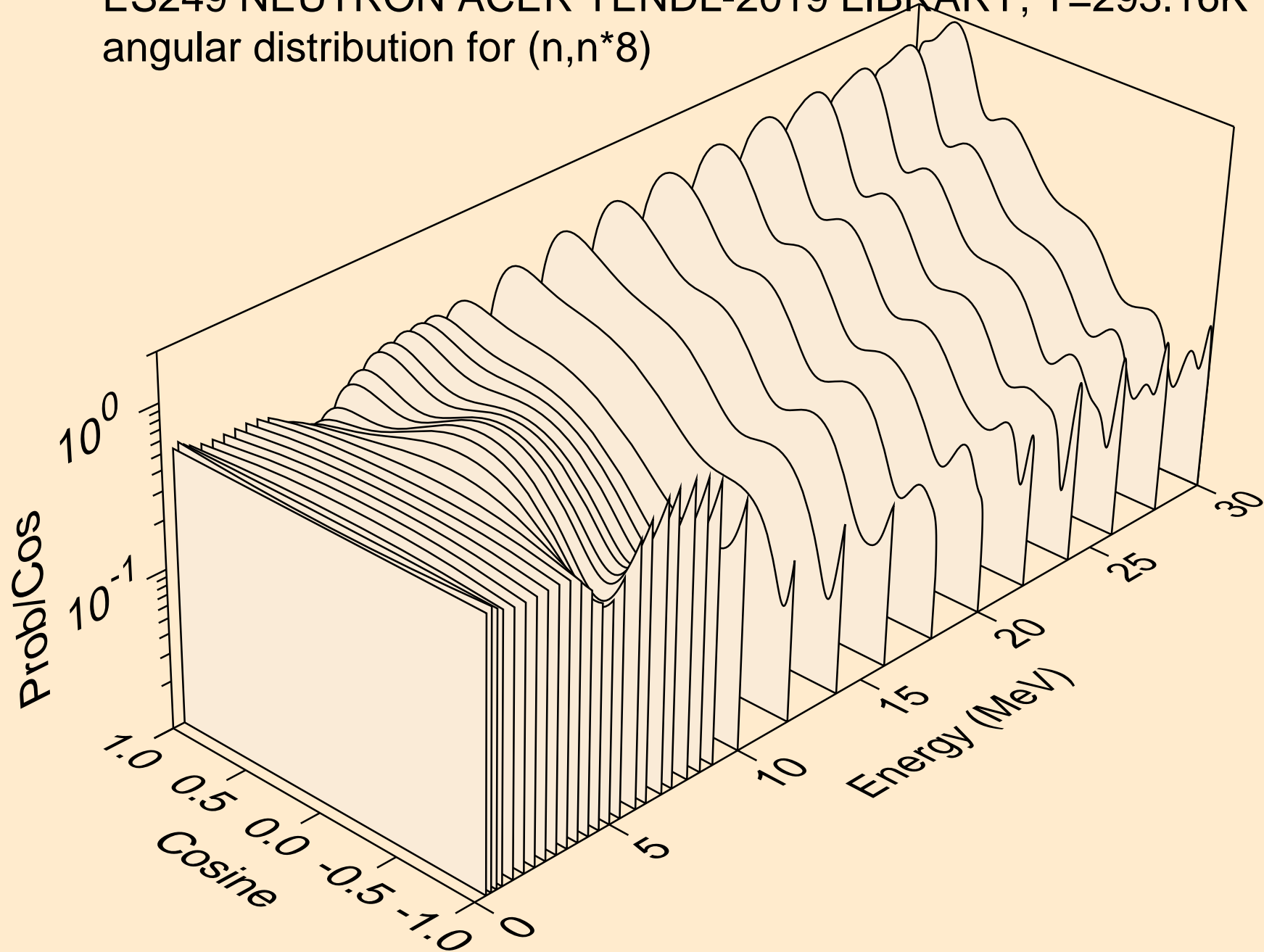
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



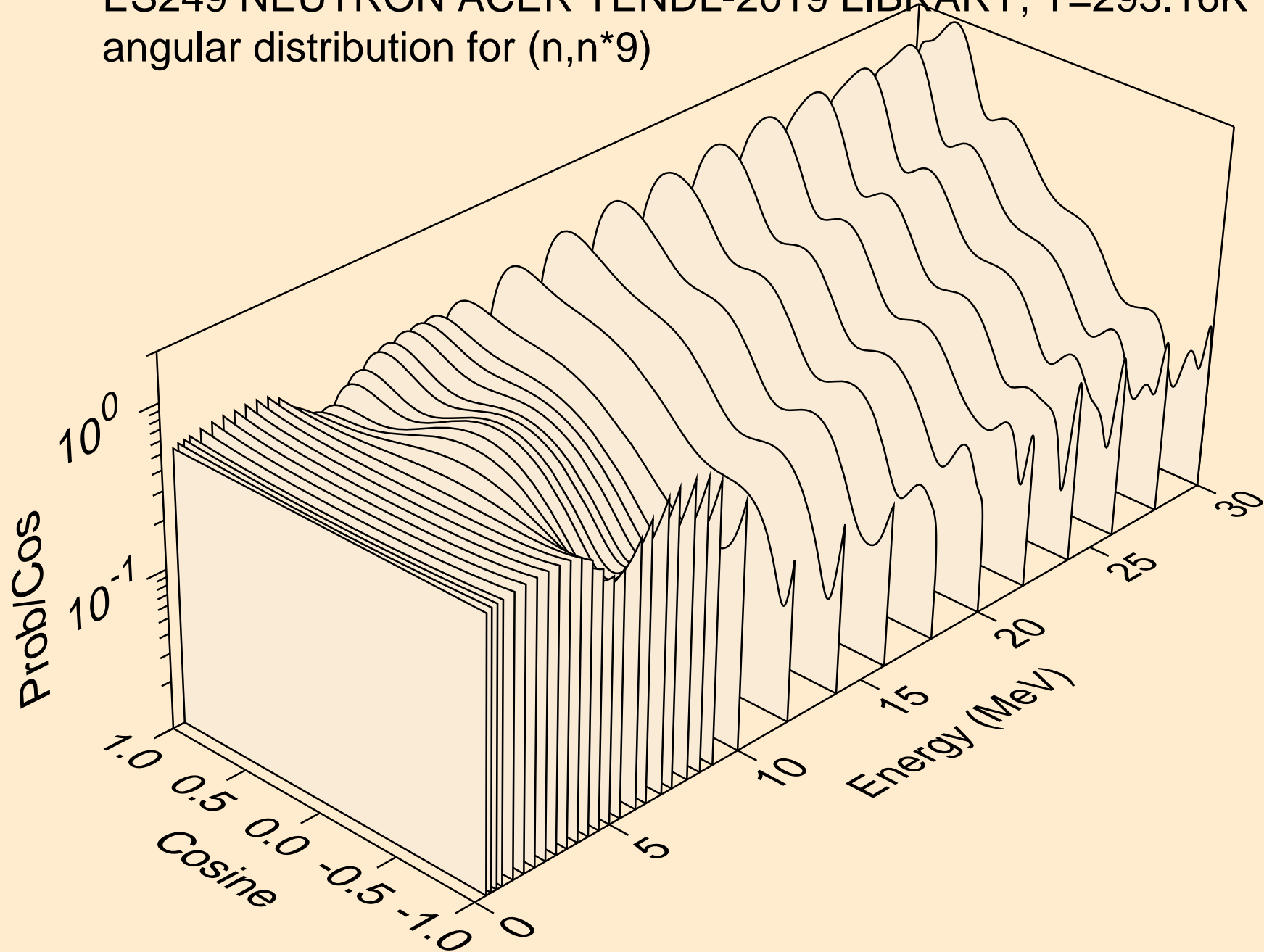
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



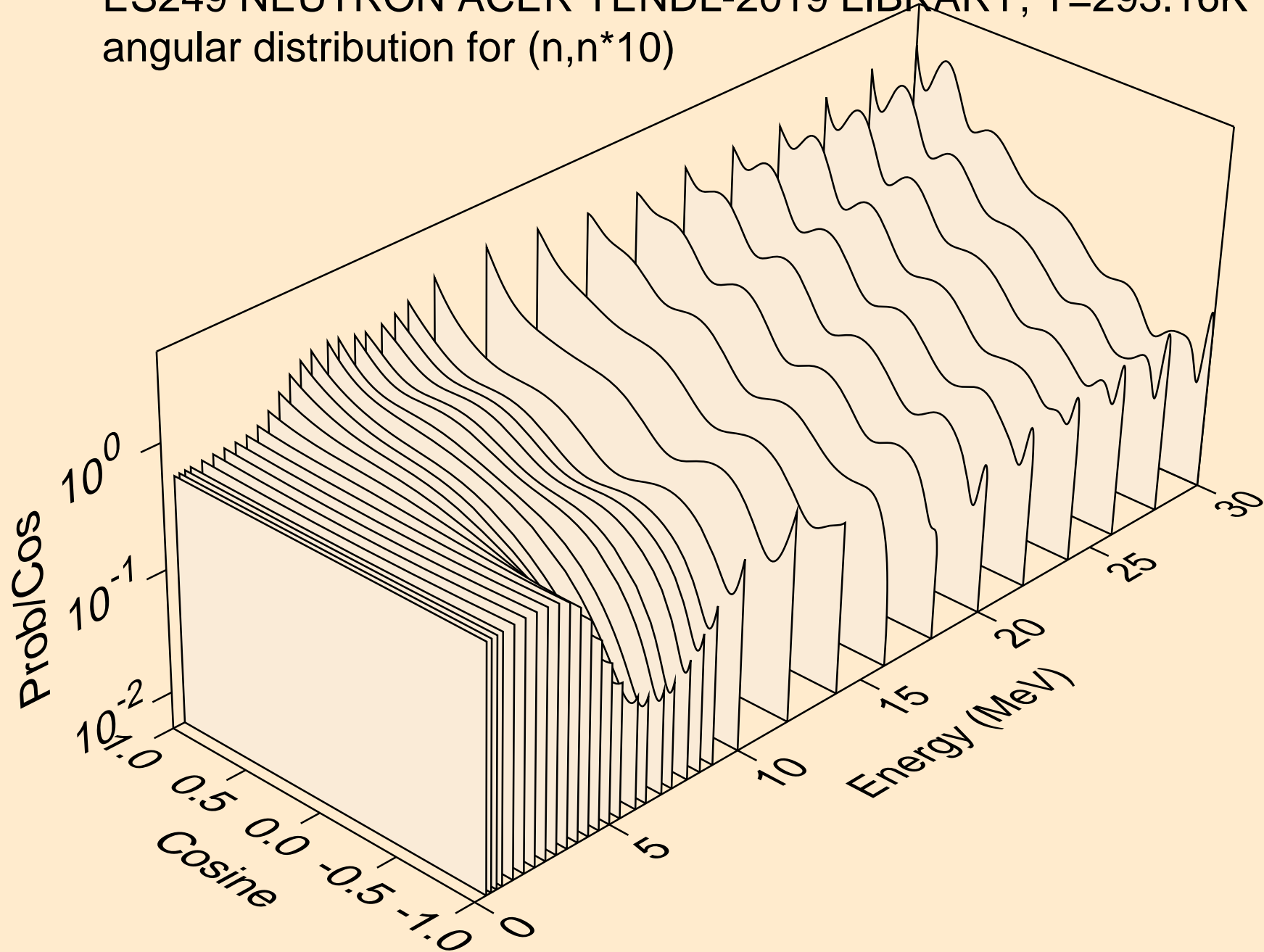
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



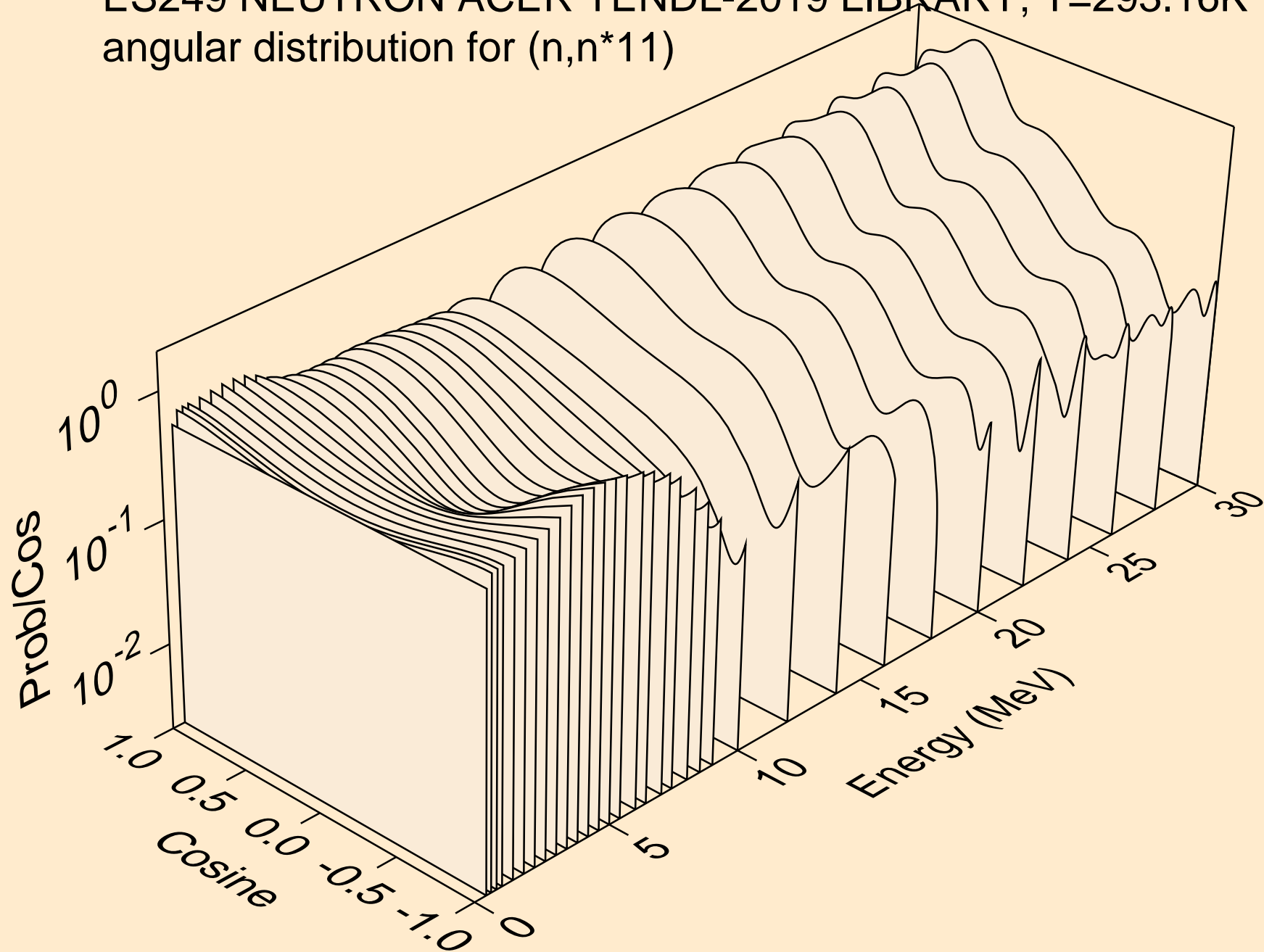
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angular distribution for (n,n*9)



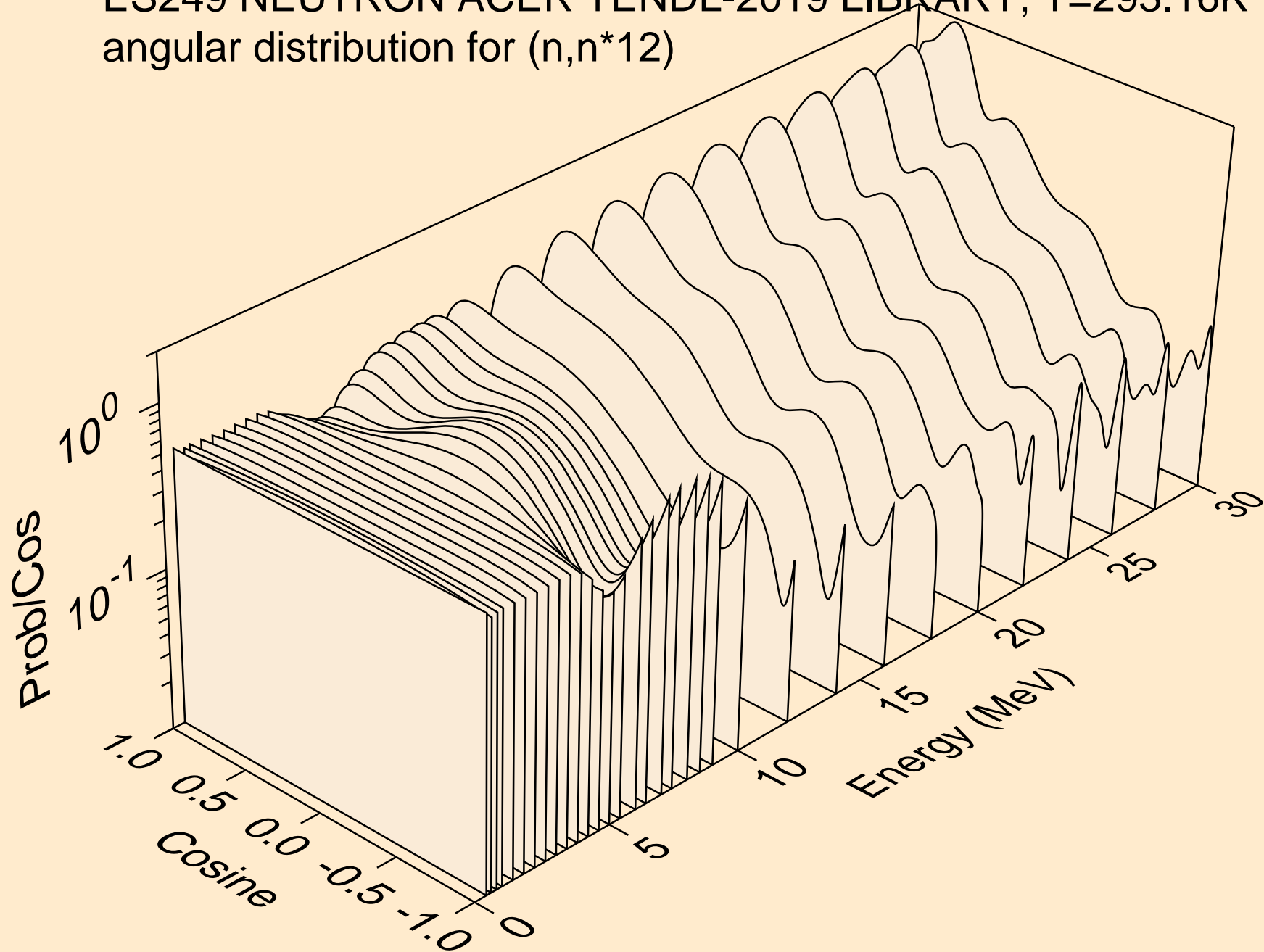
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



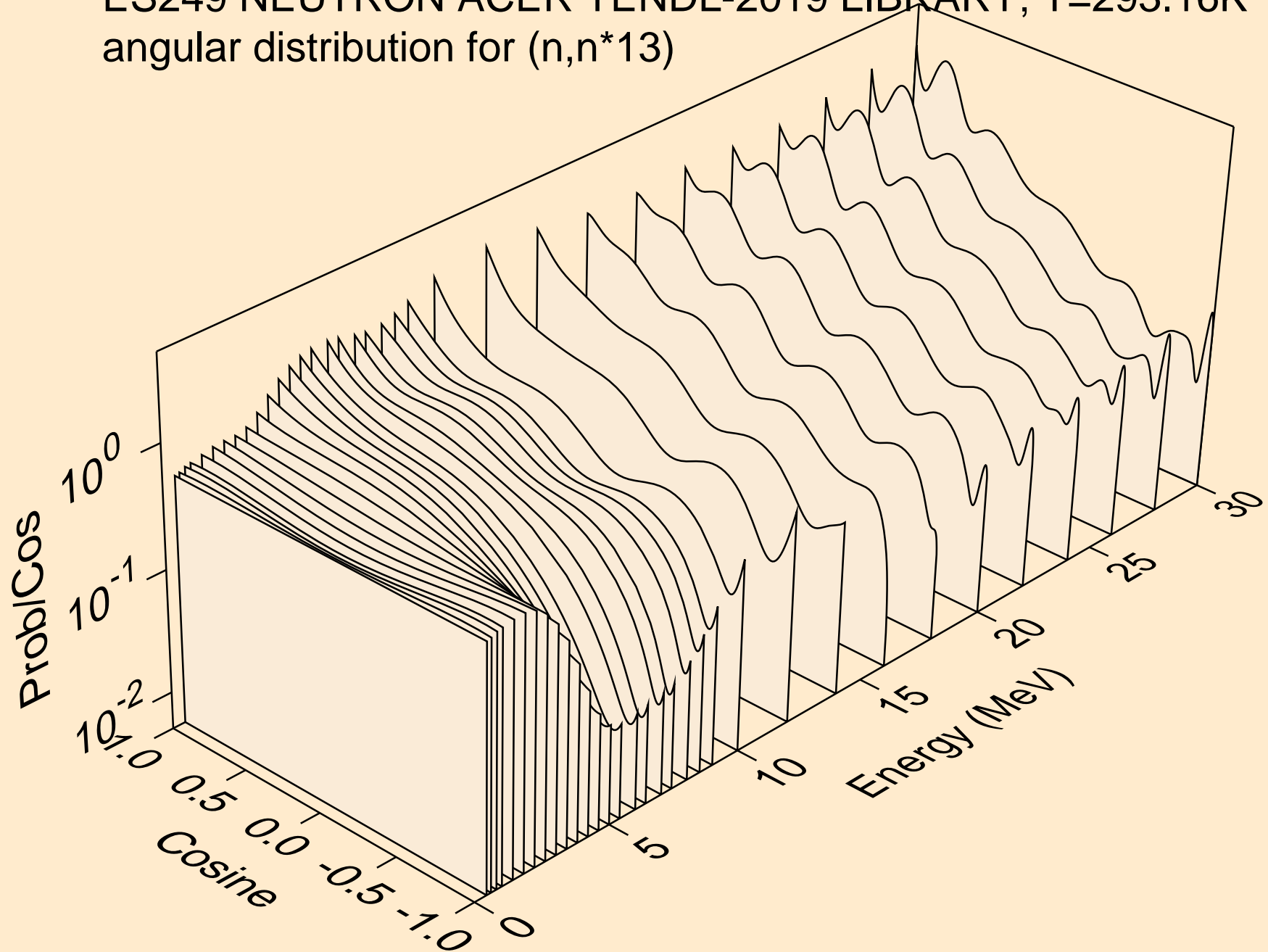
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



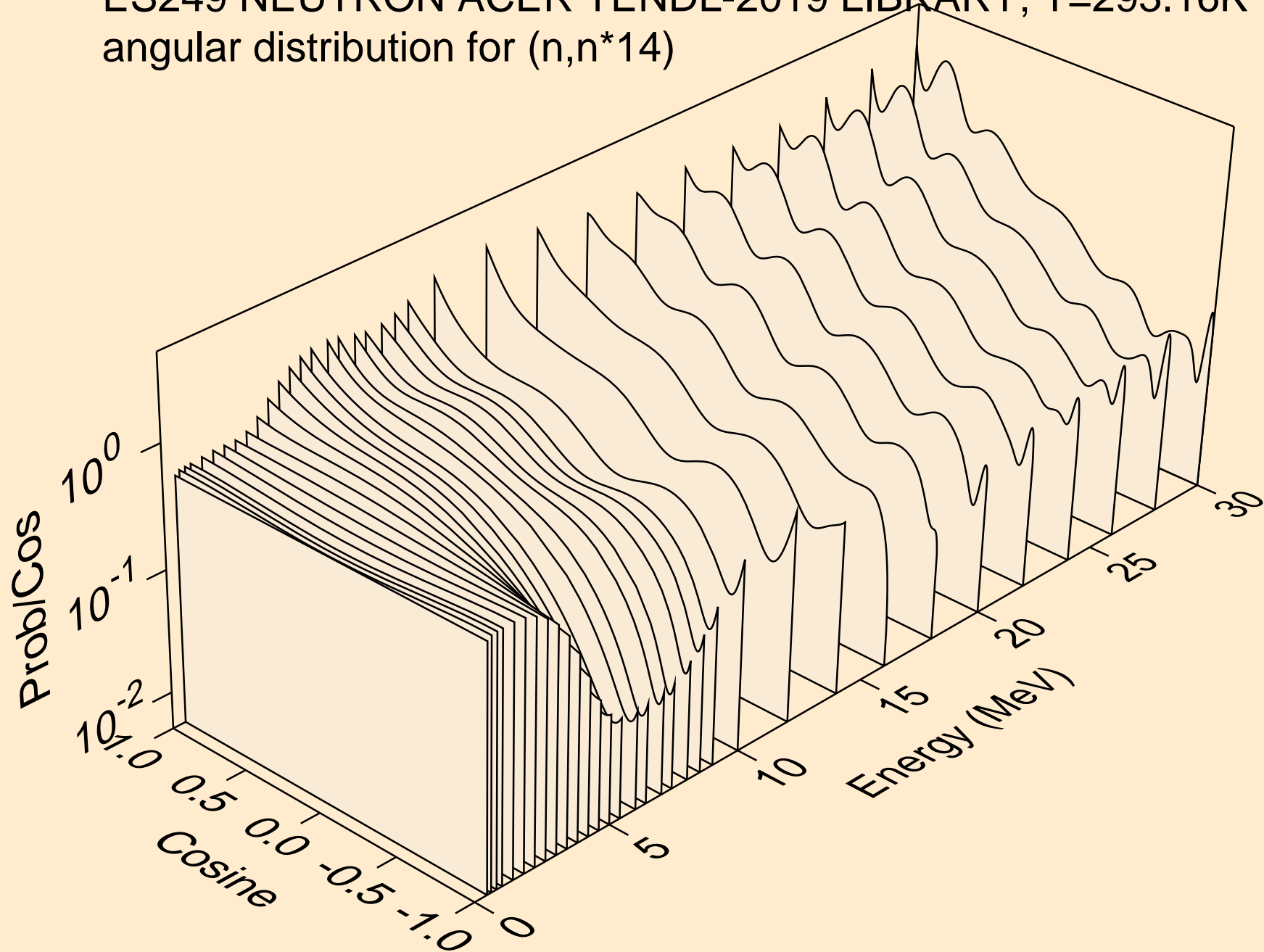
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



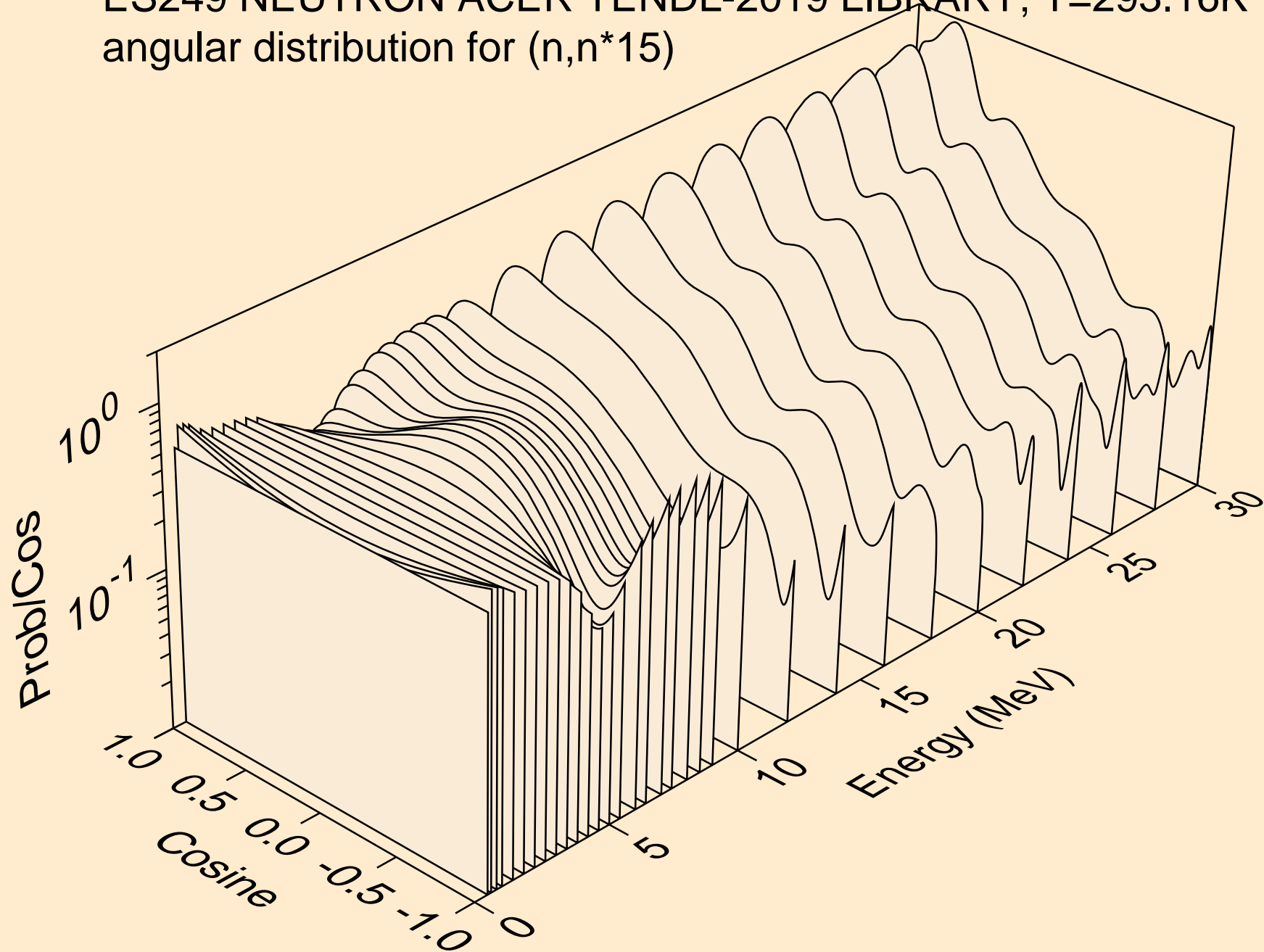
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



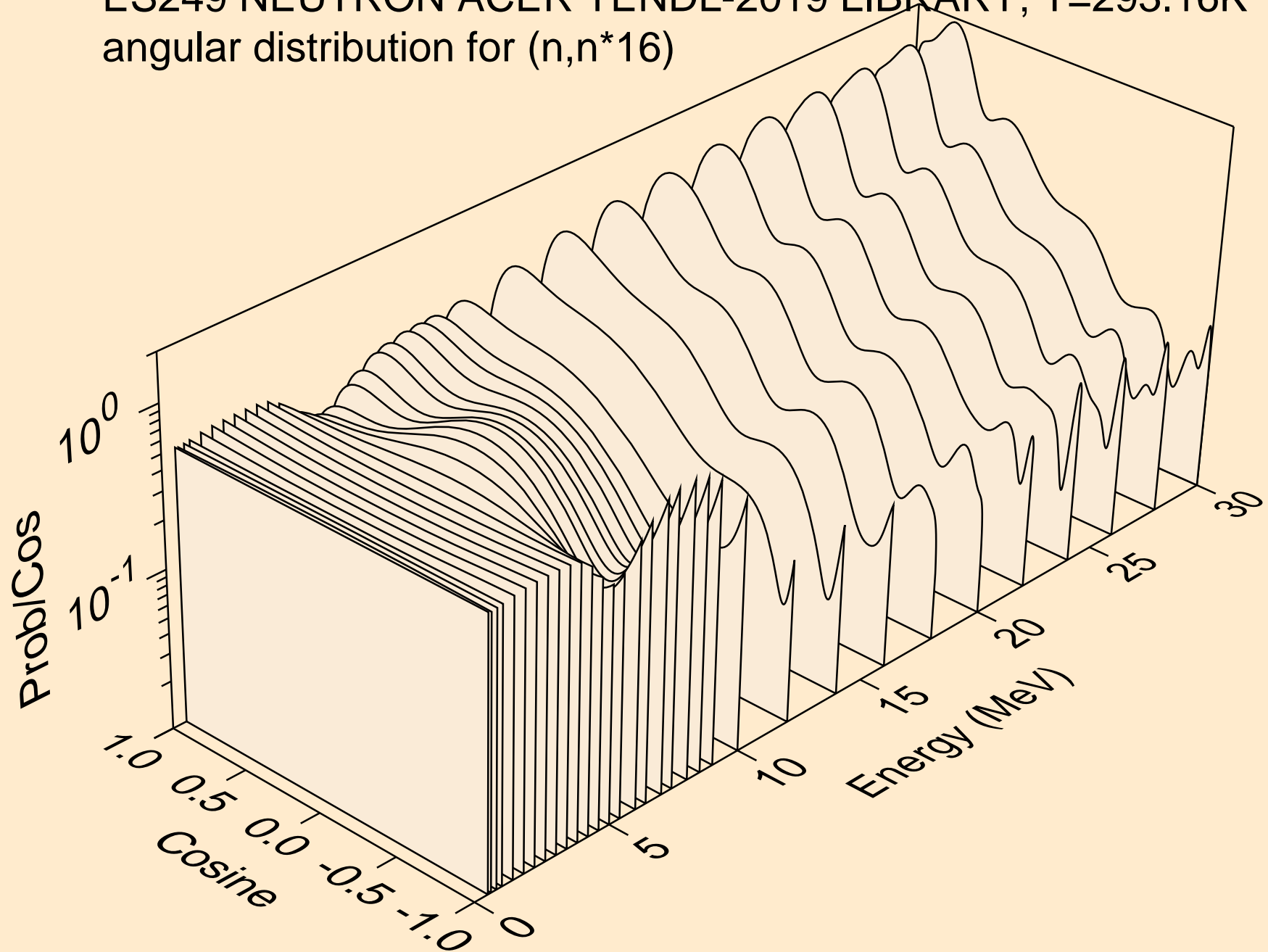
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



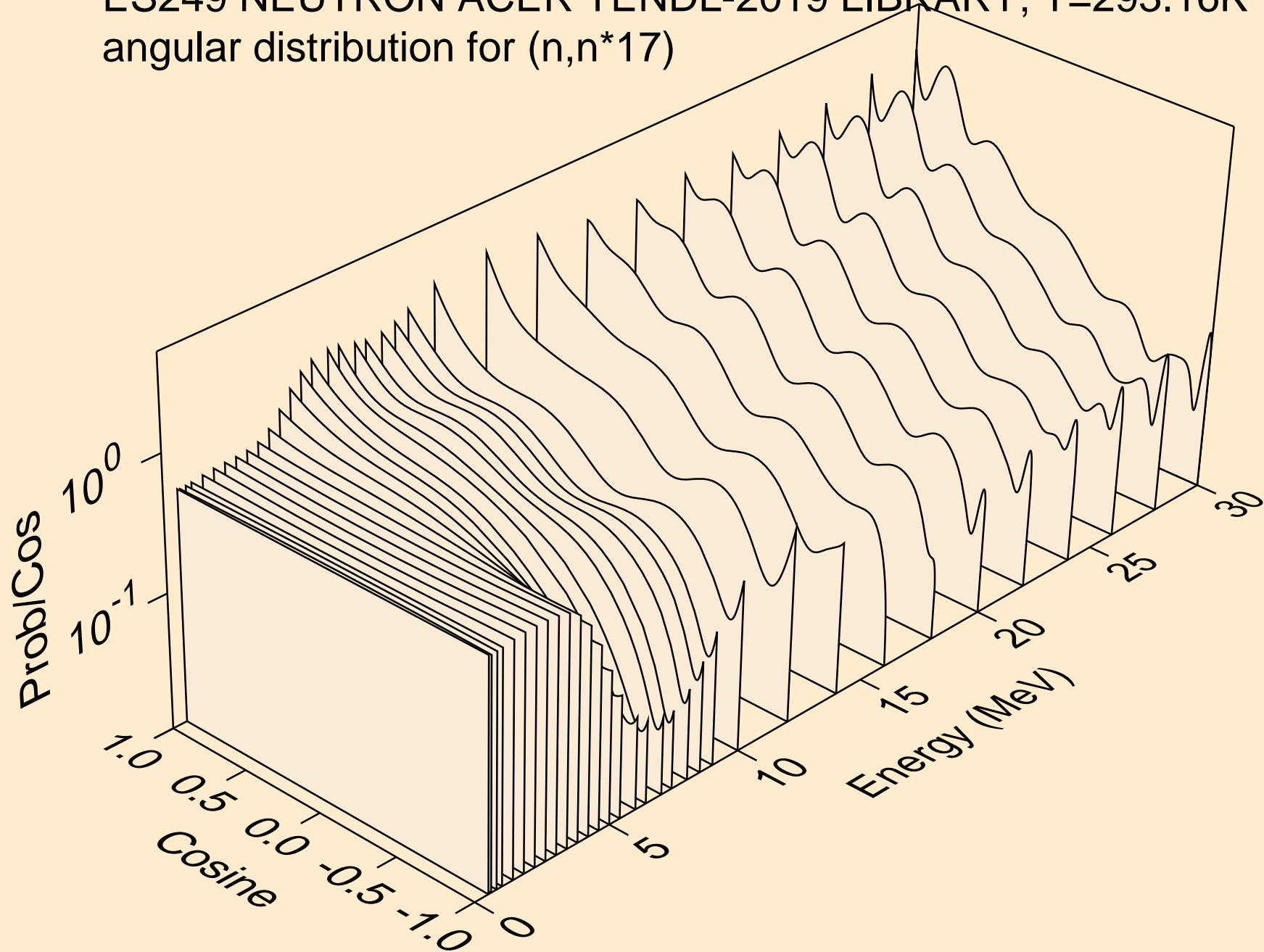
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angular distribution for (n,n*15)



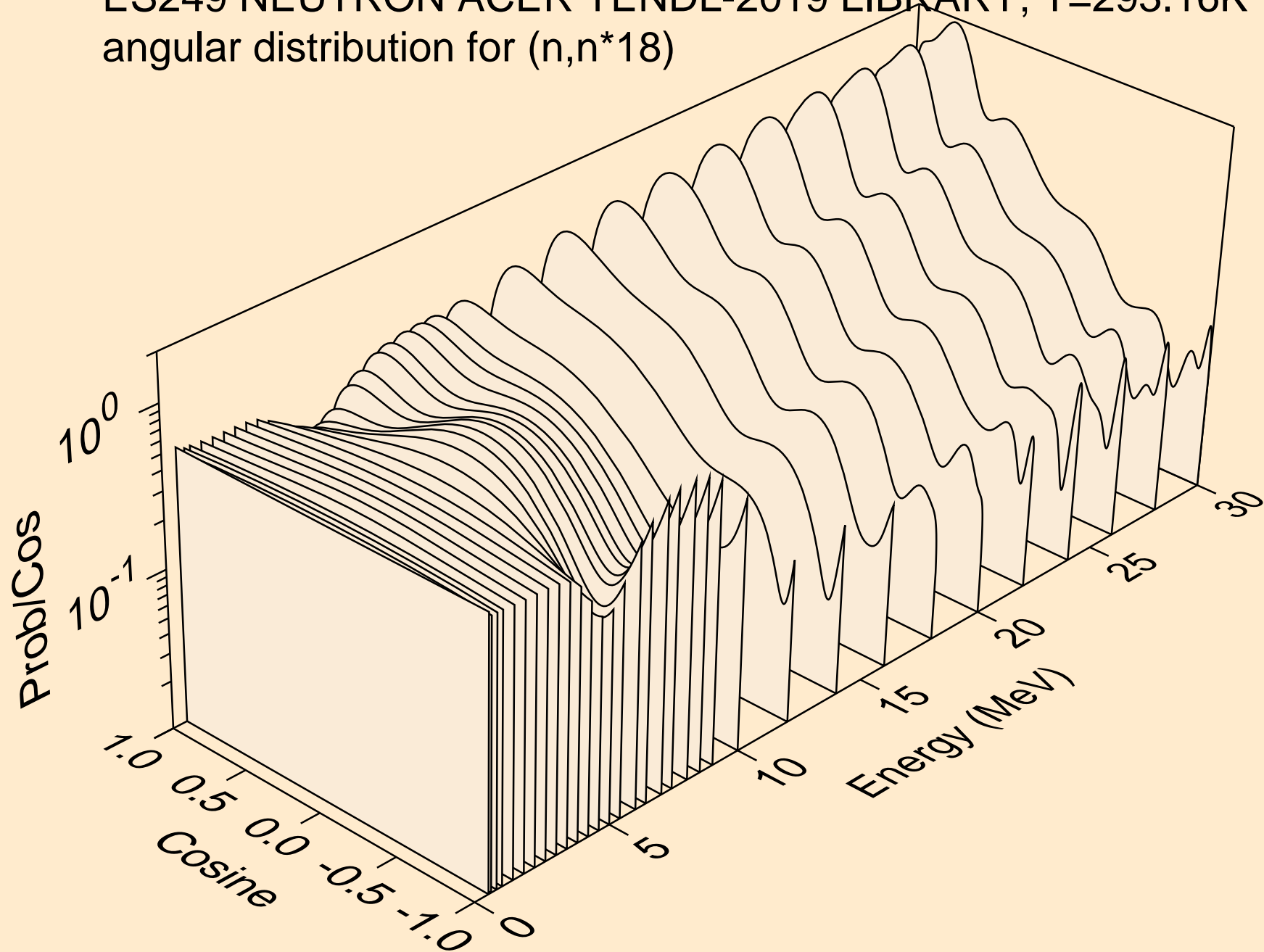
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angular distribution for (n,n*16)



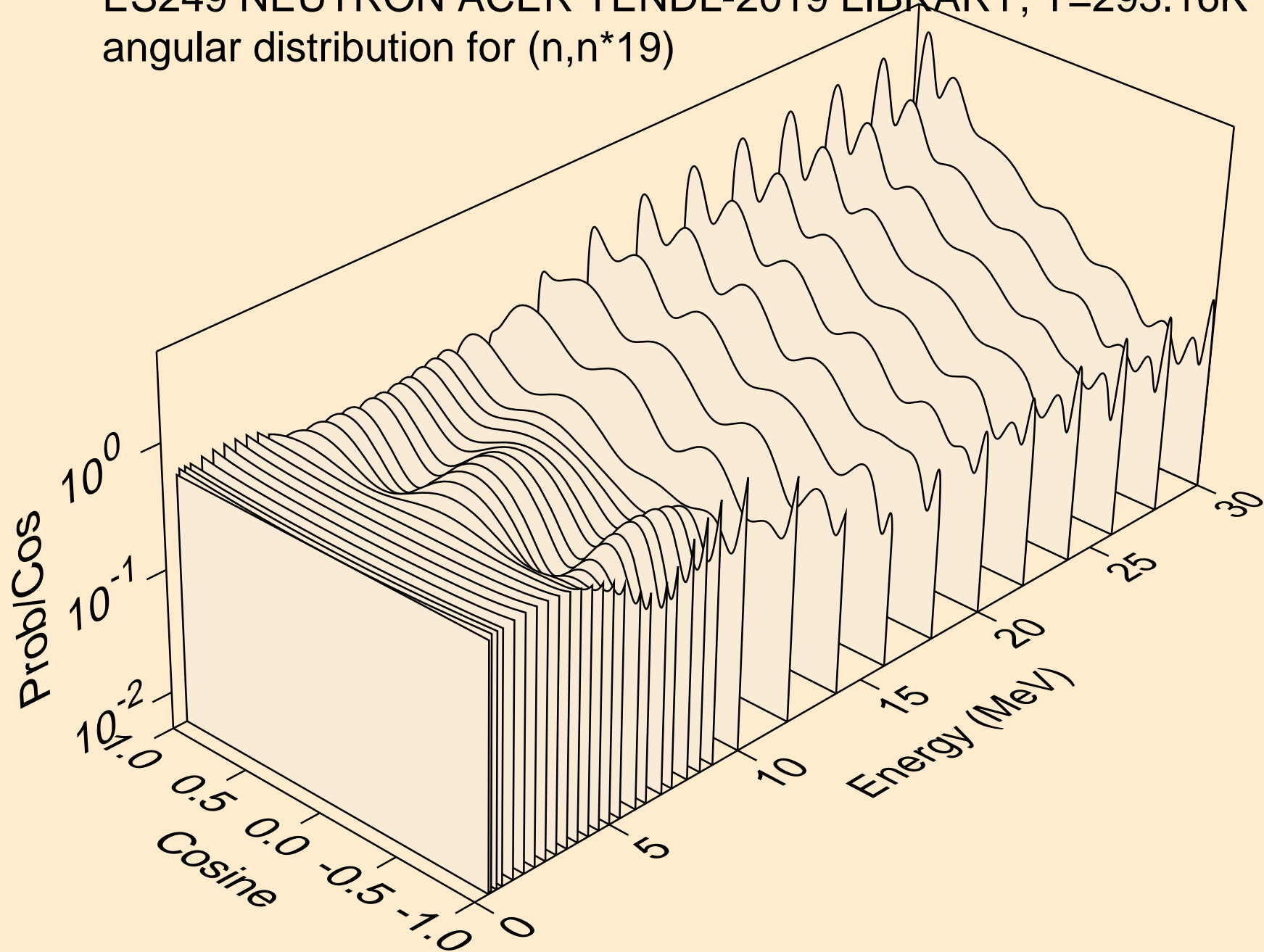
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angular distribution for (n,n*17)



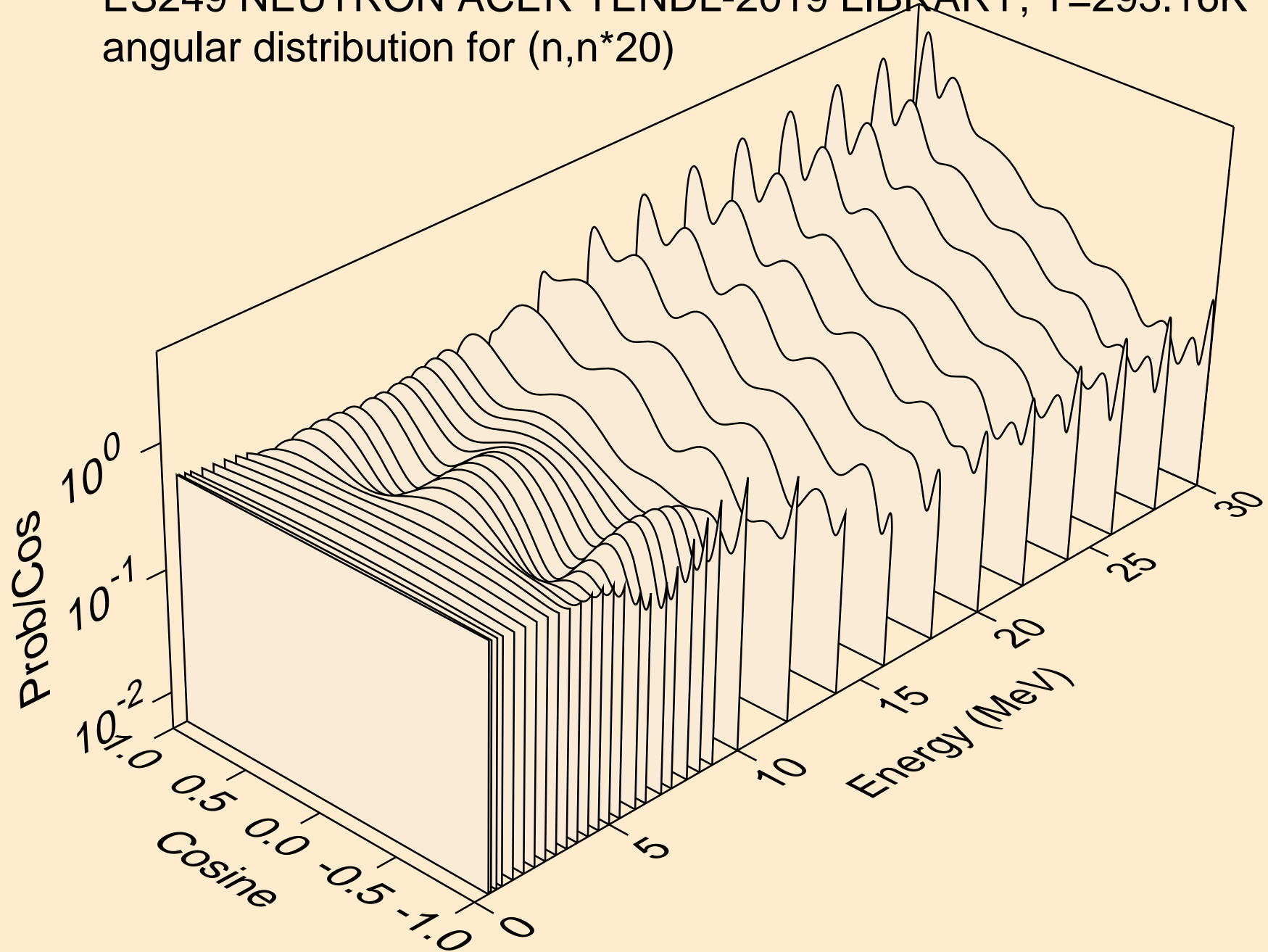
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angular distribution for (n,n*18)



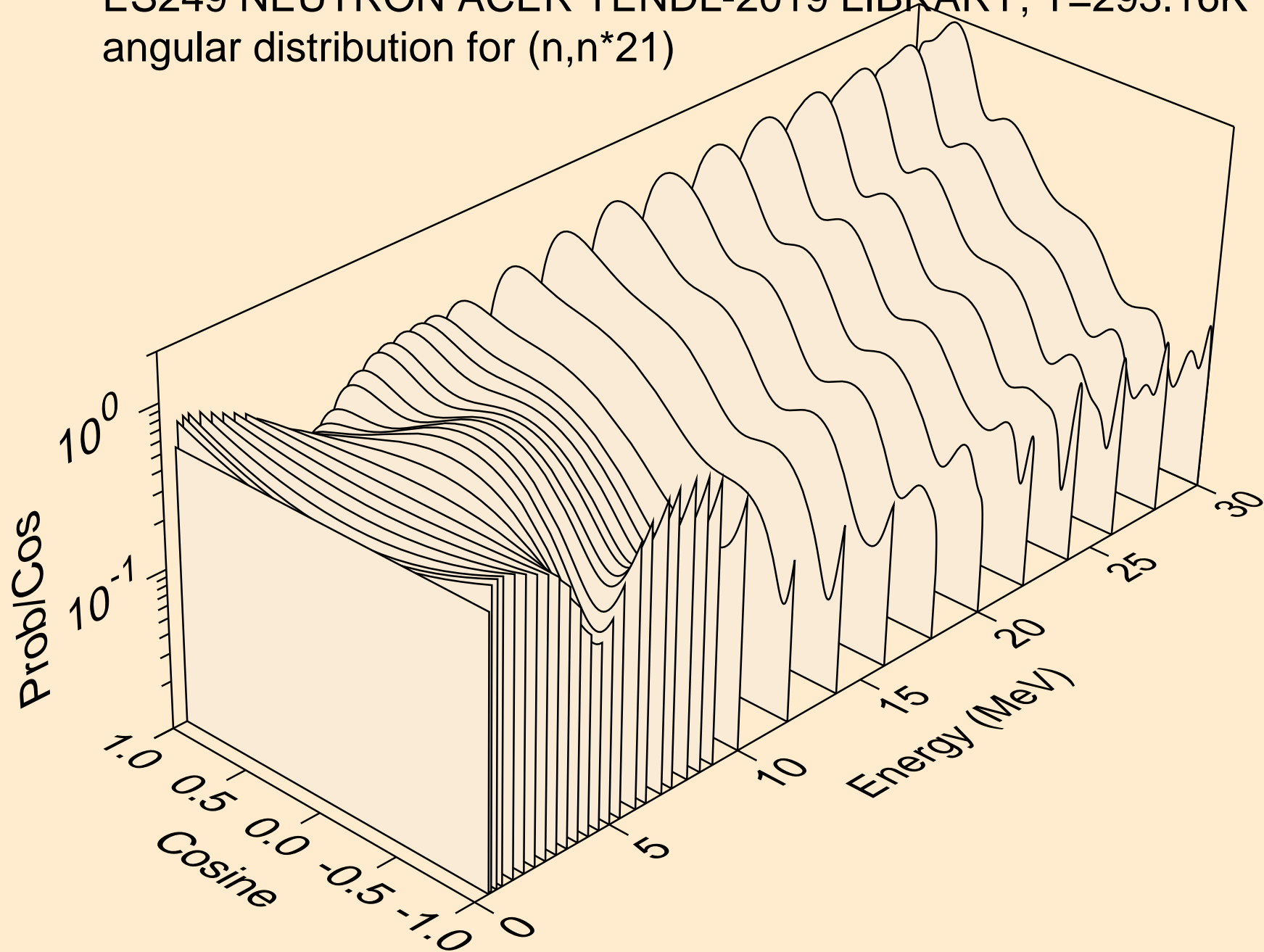
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angular distribution for (n,n*19)



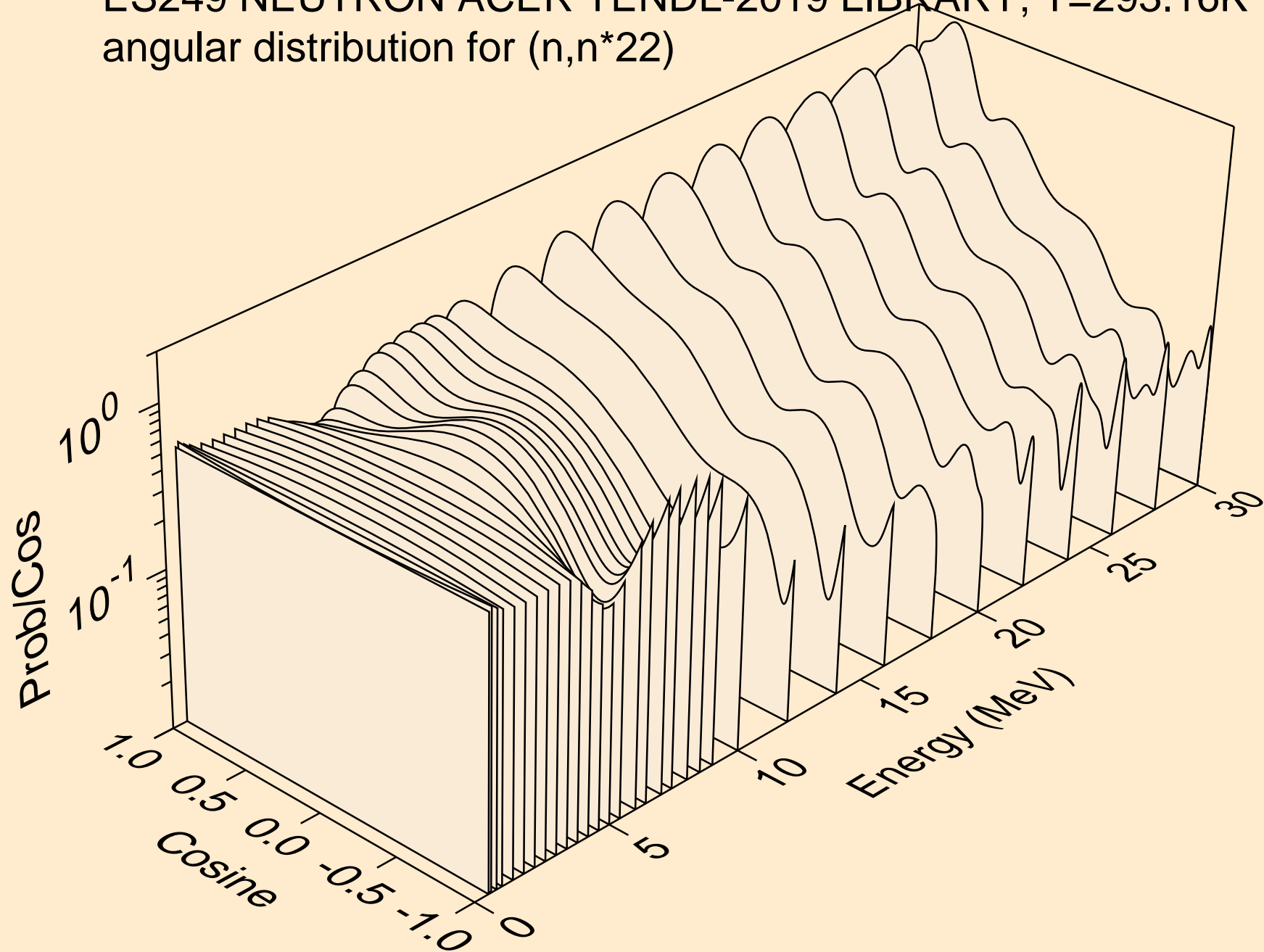
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angular distribution for (n,n*20)



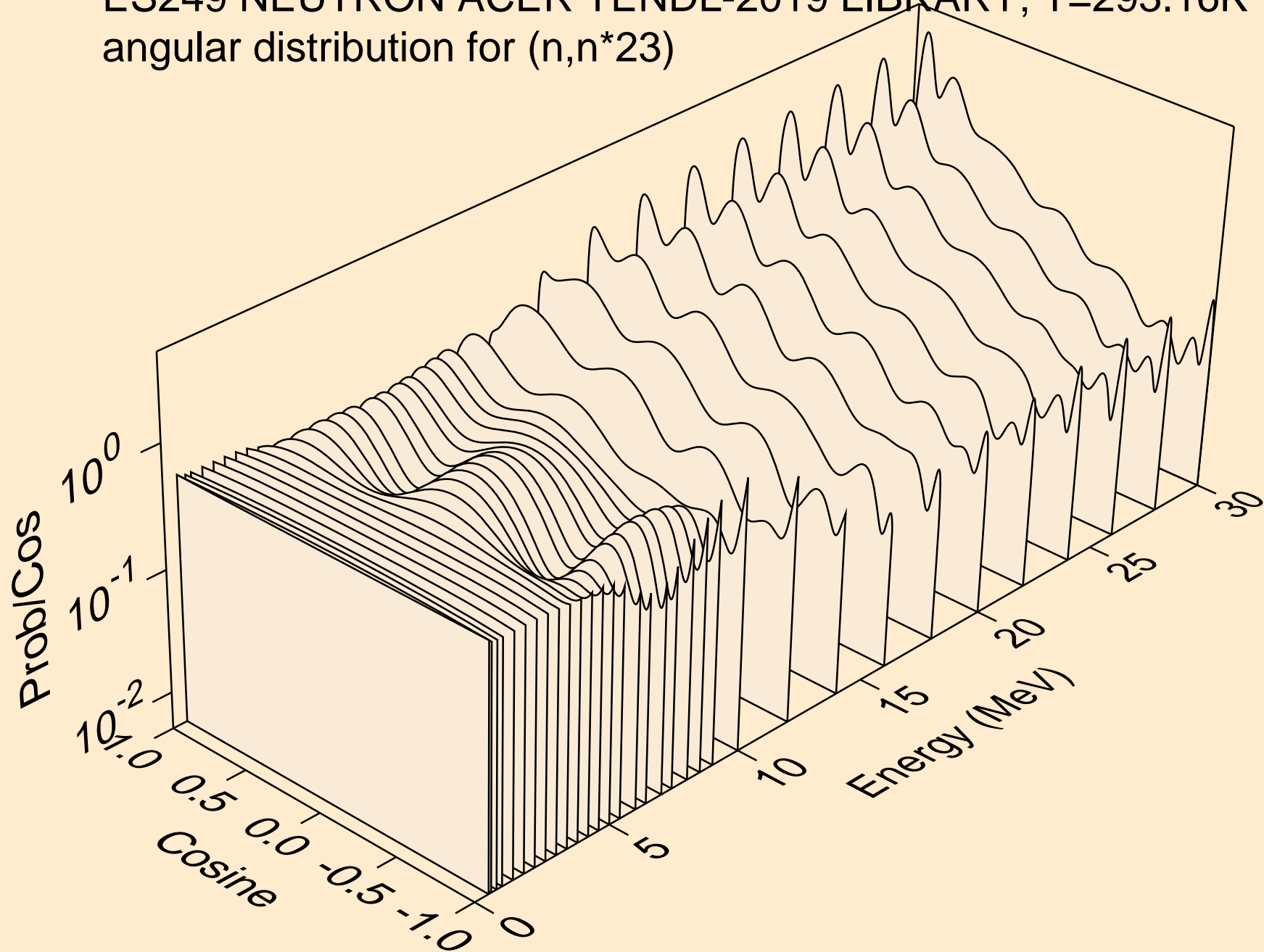
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angular distribution for (n,n*21)



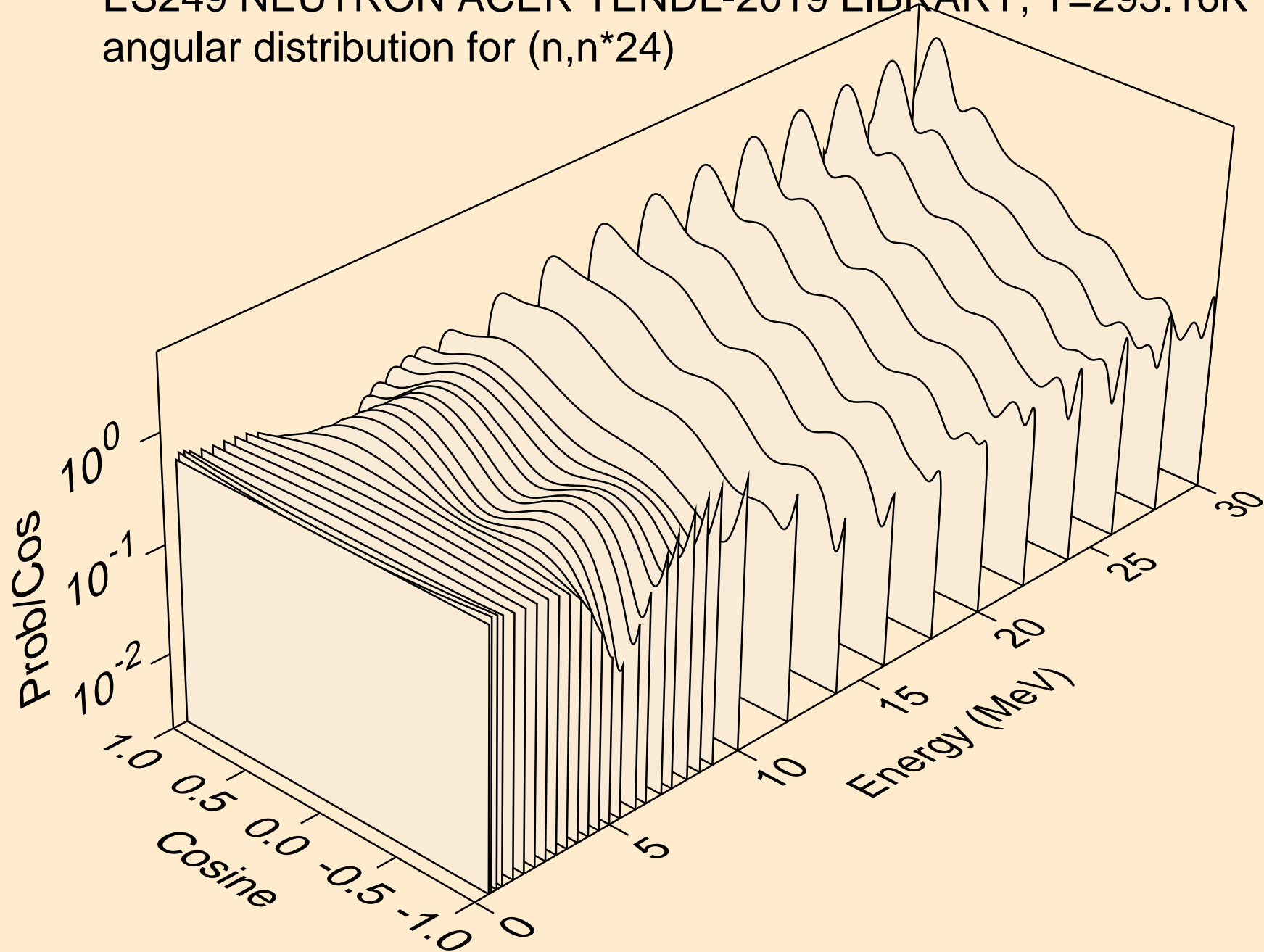
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angular distribution for (n,n*22)



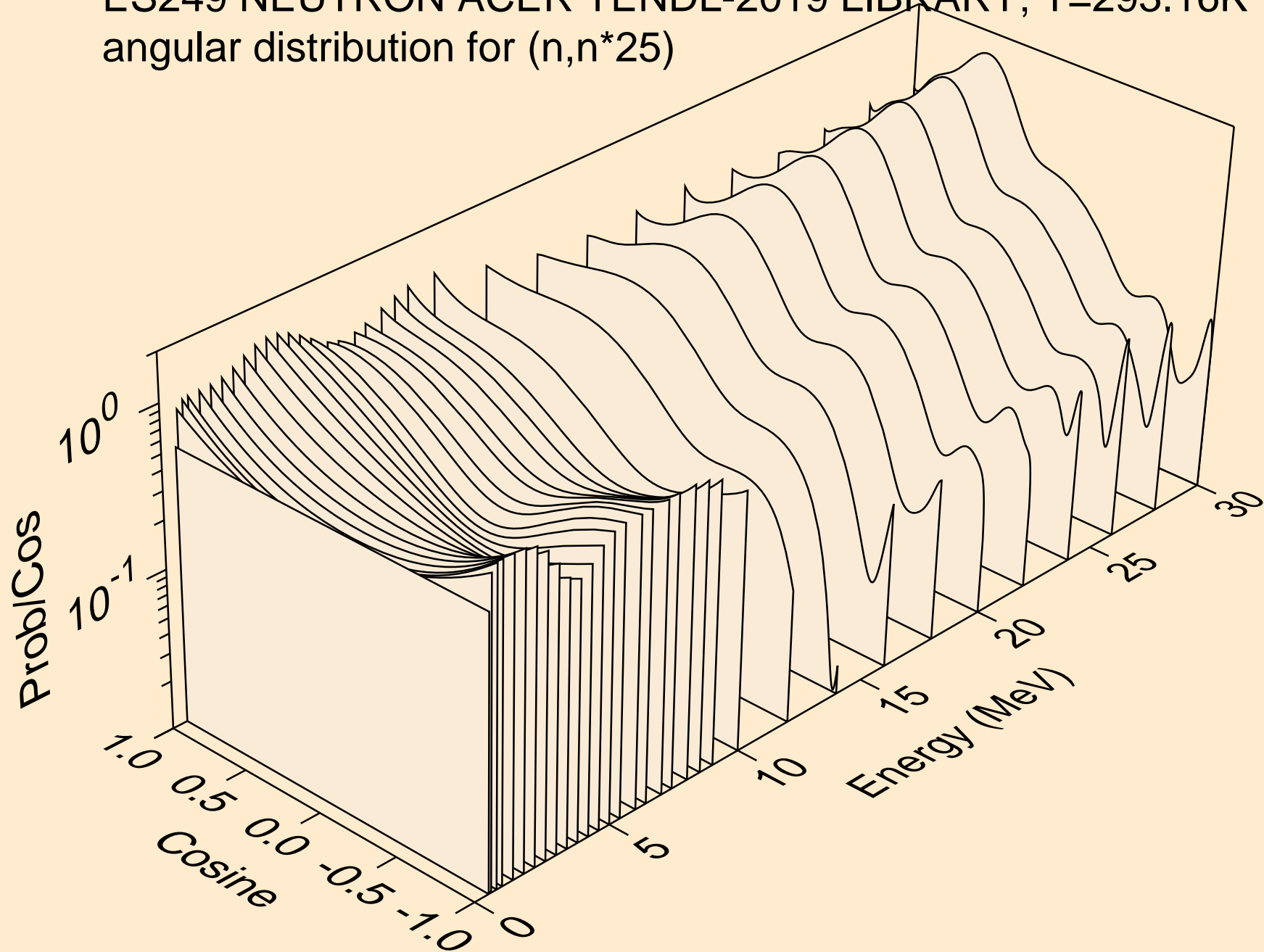
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angular distribution for (n,n*23)



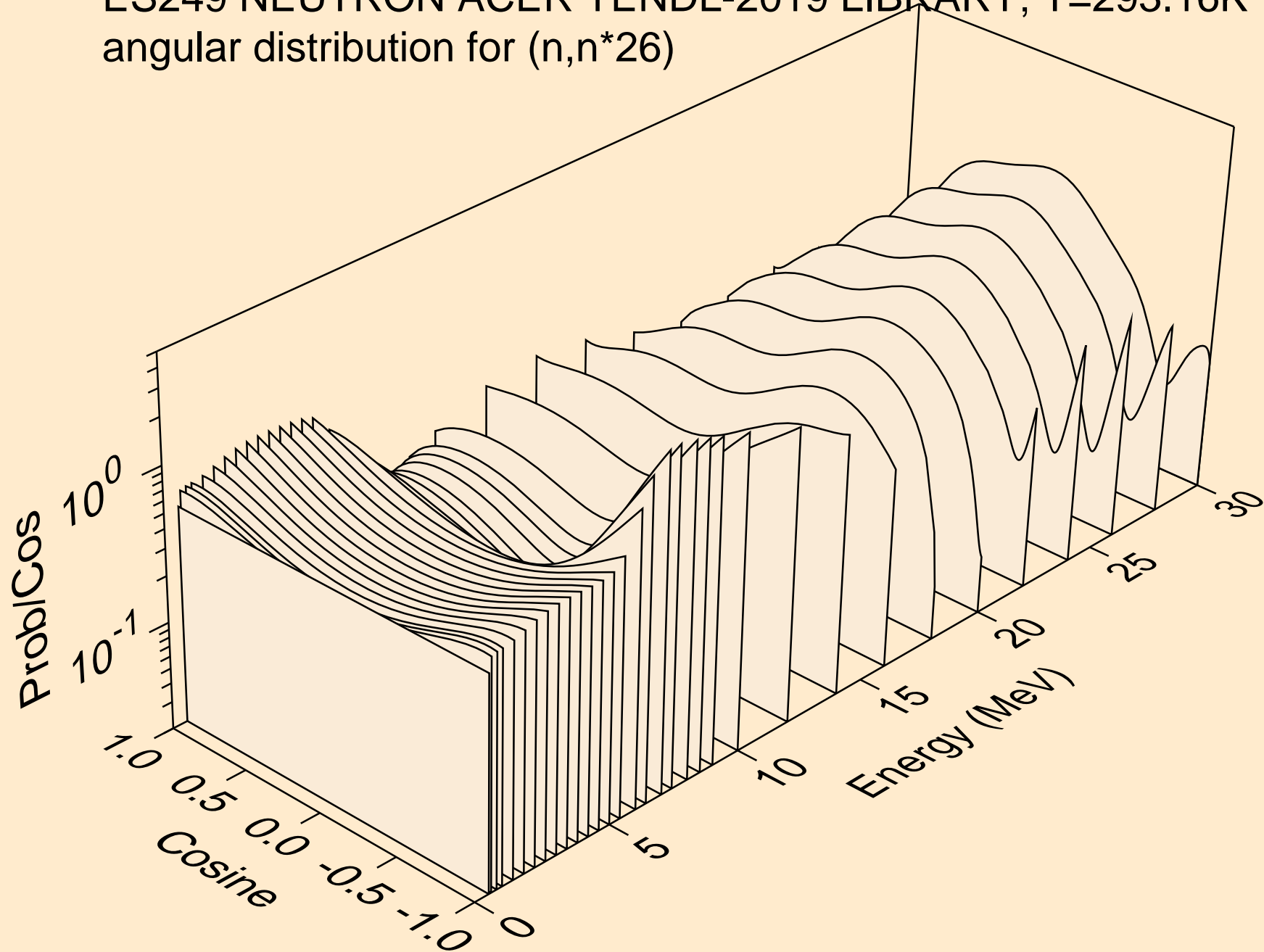
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



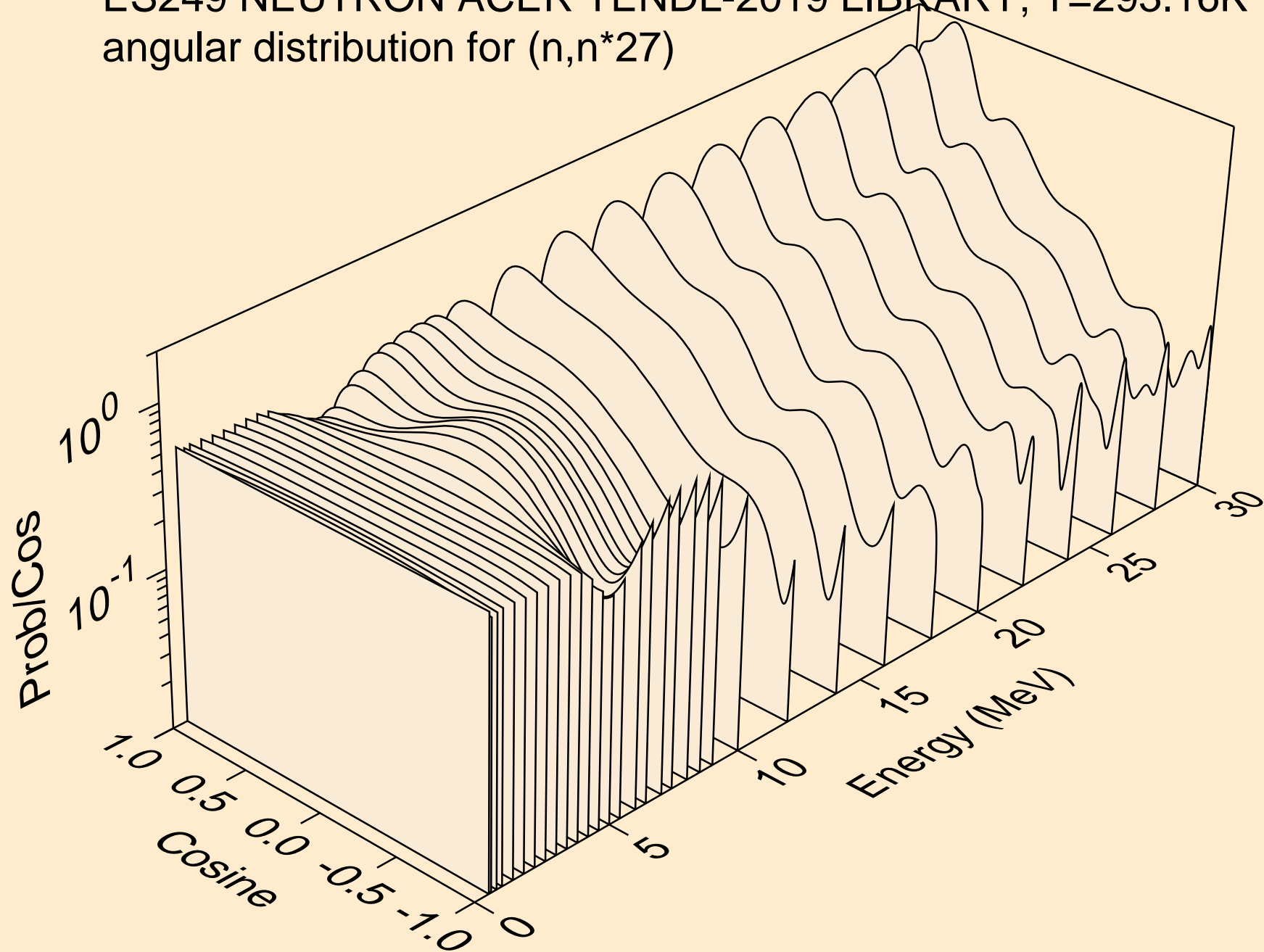
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



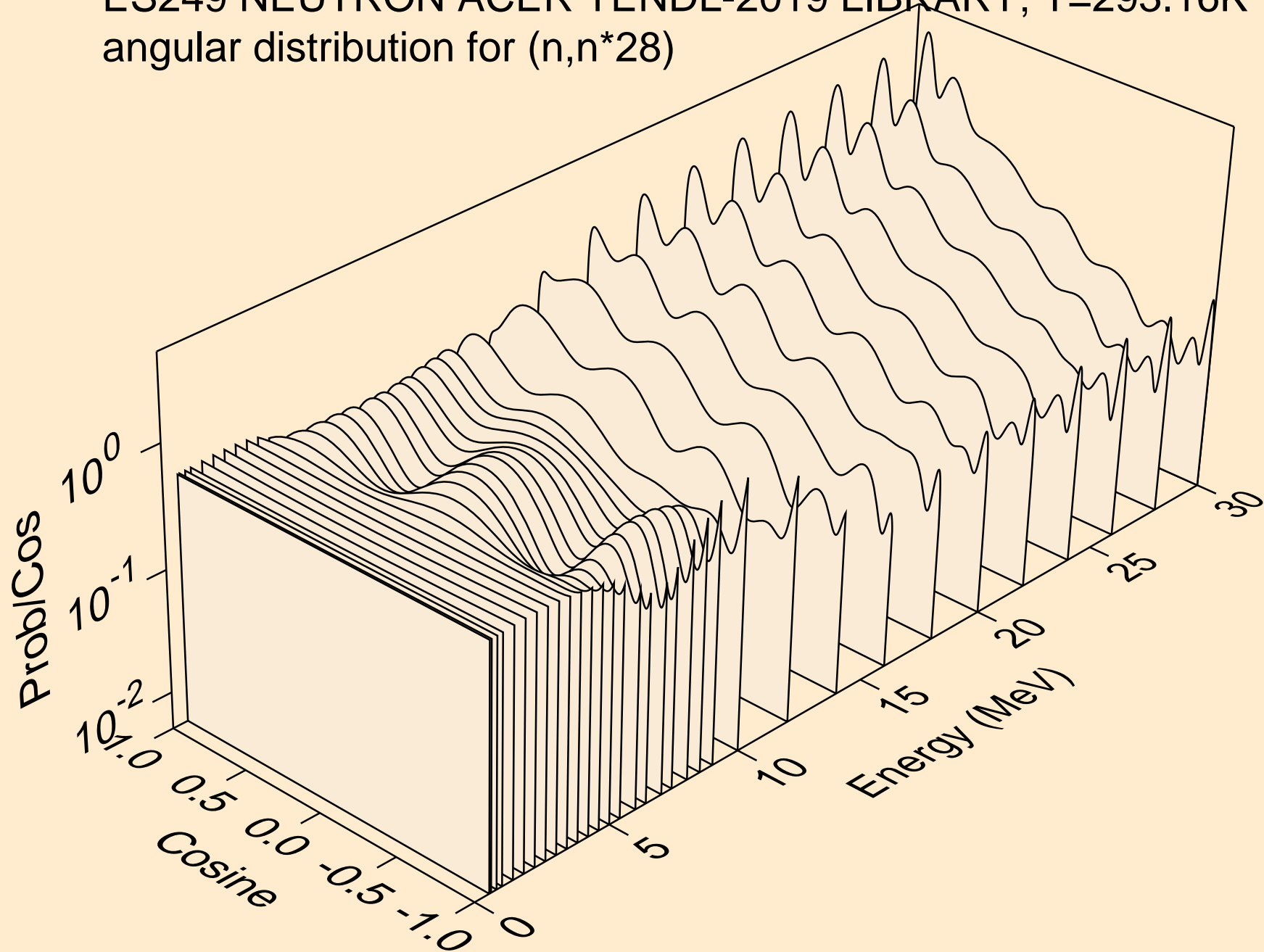
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



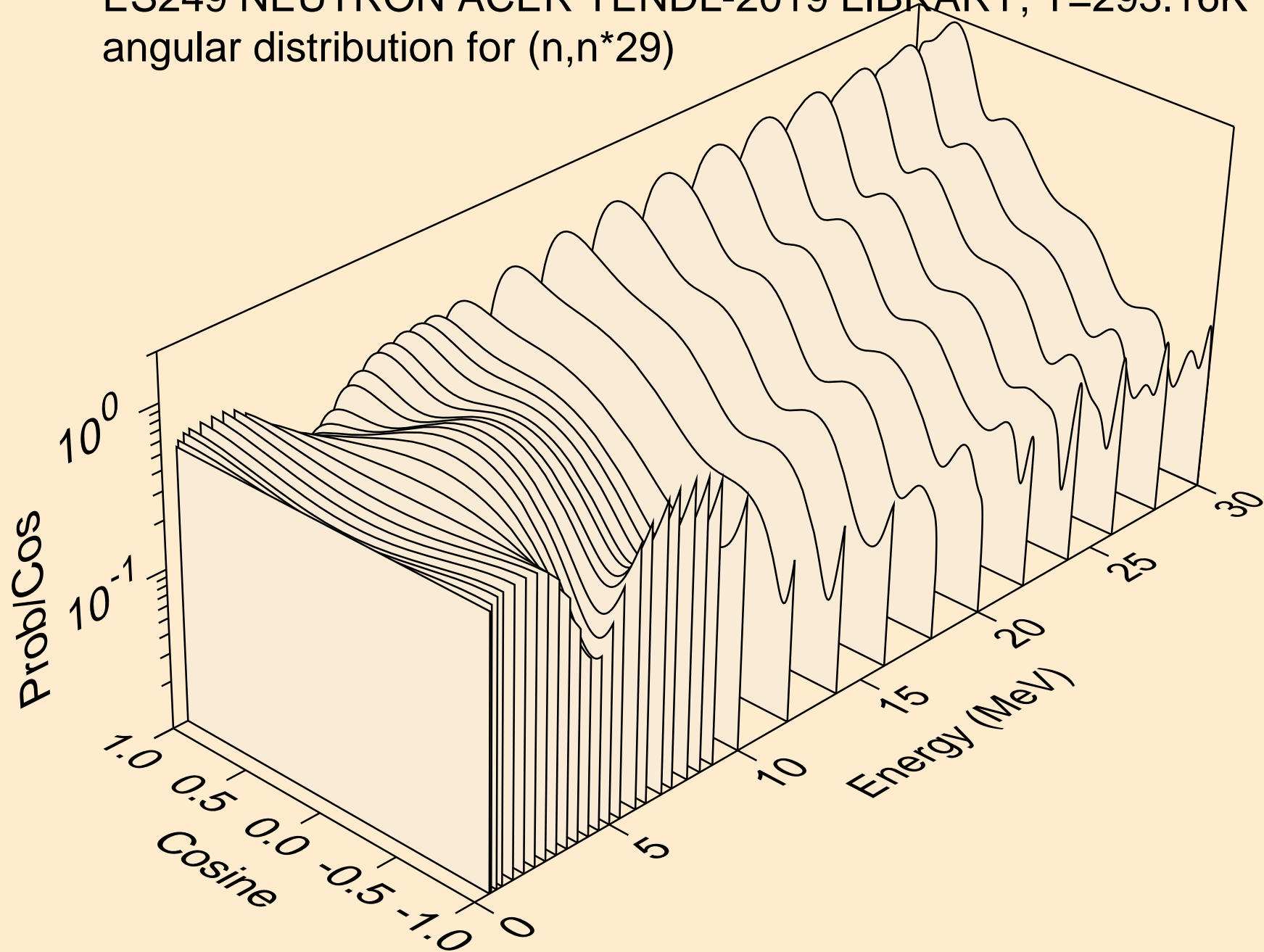
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



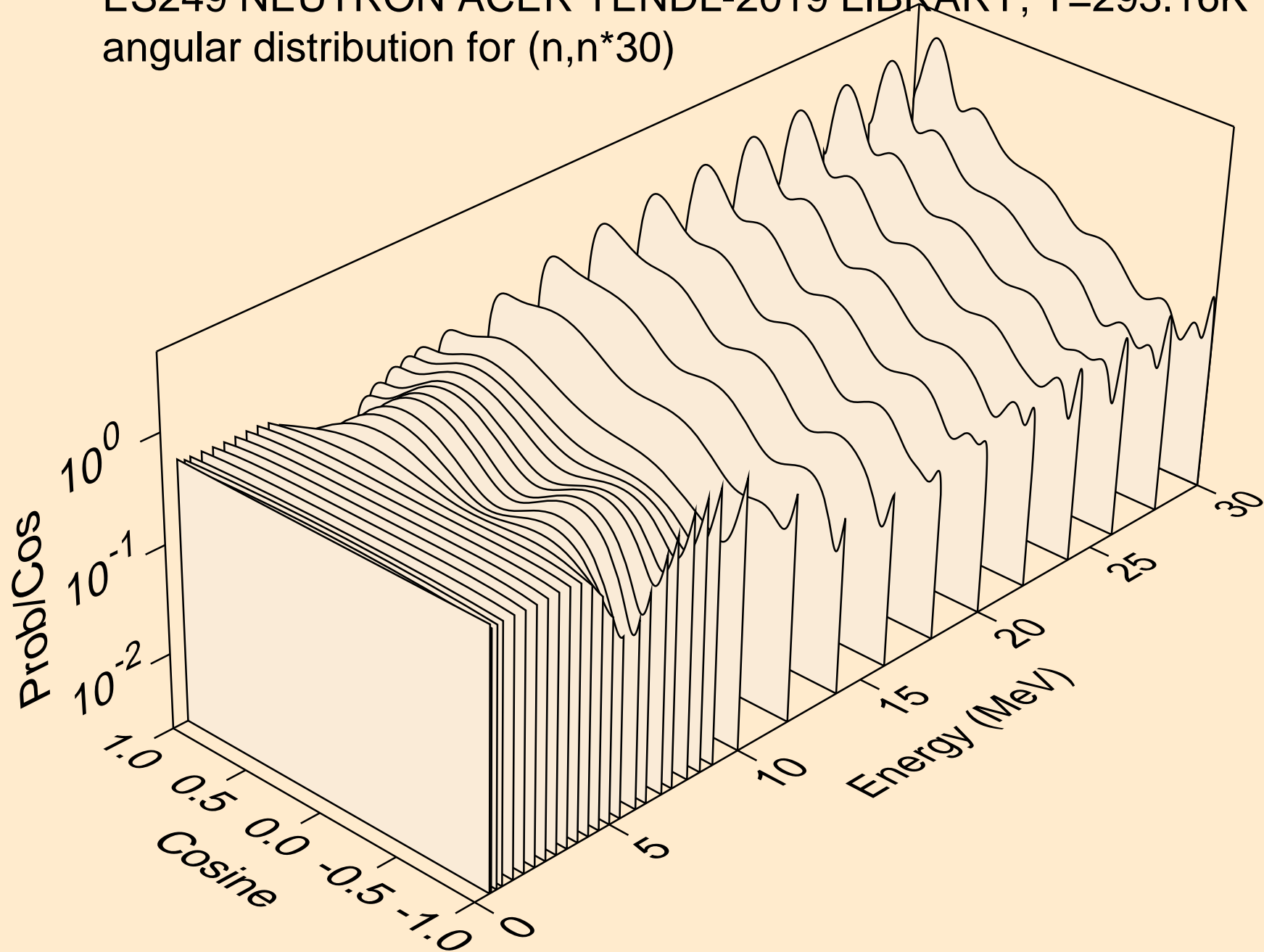
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



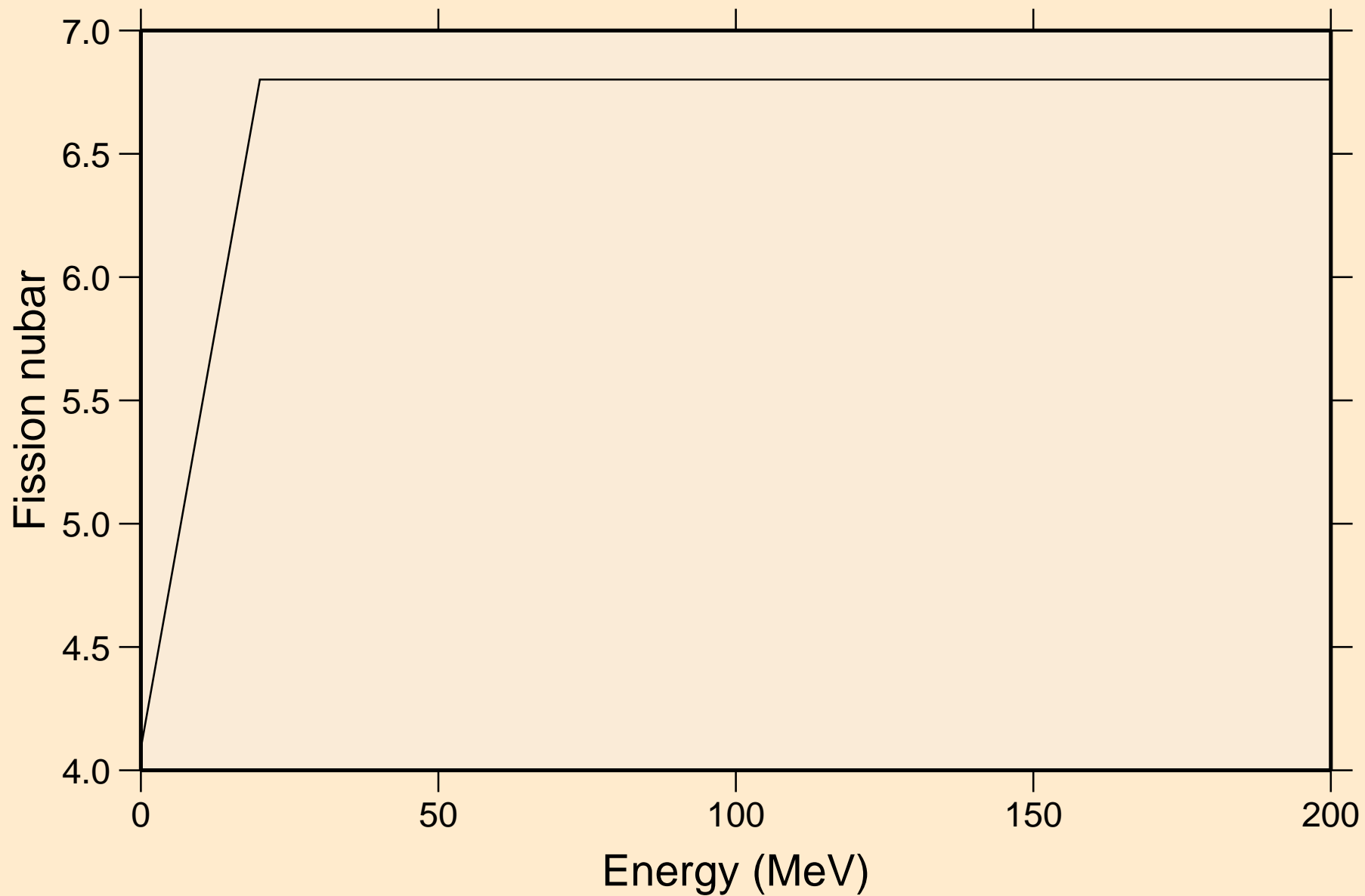
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



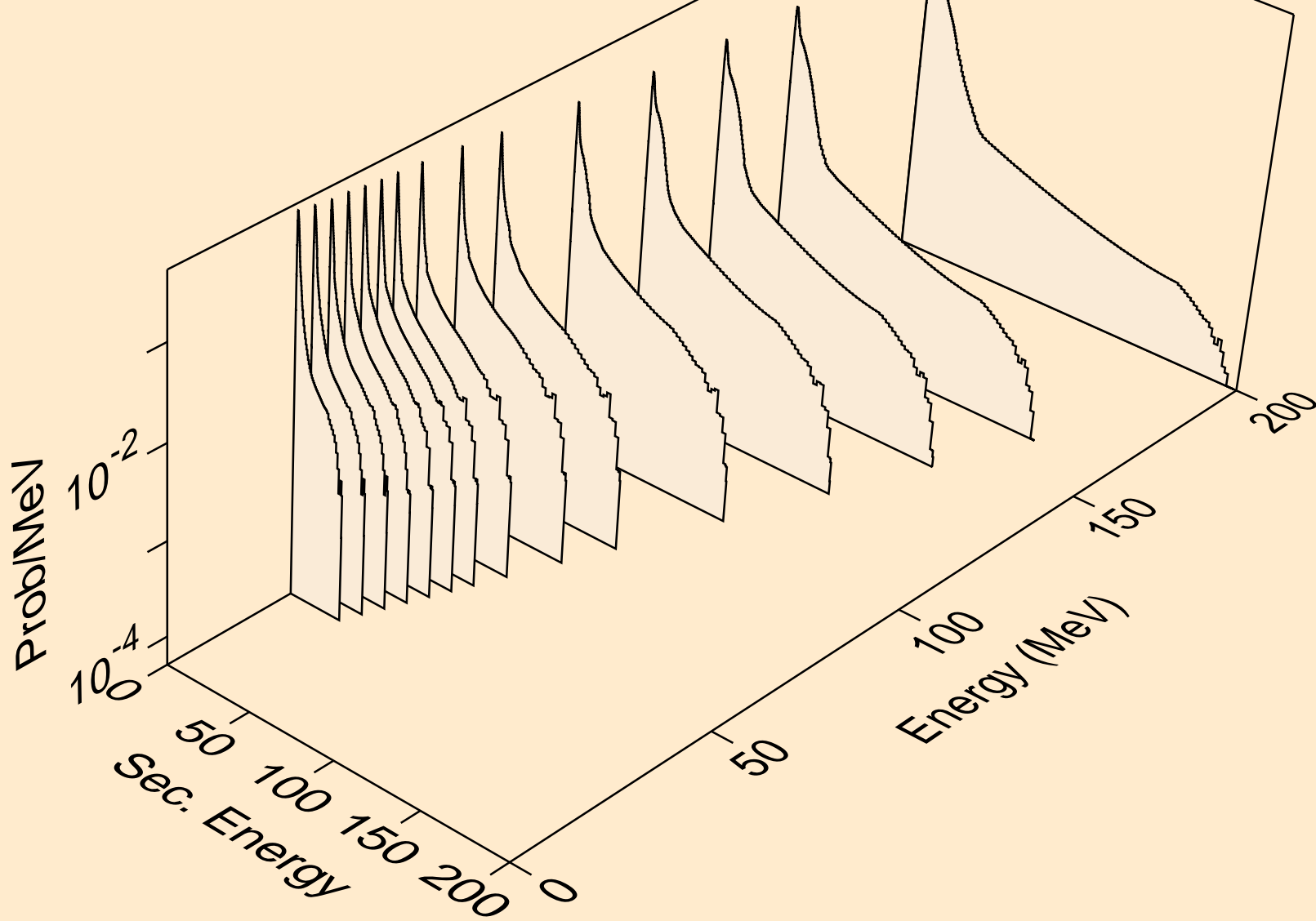
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



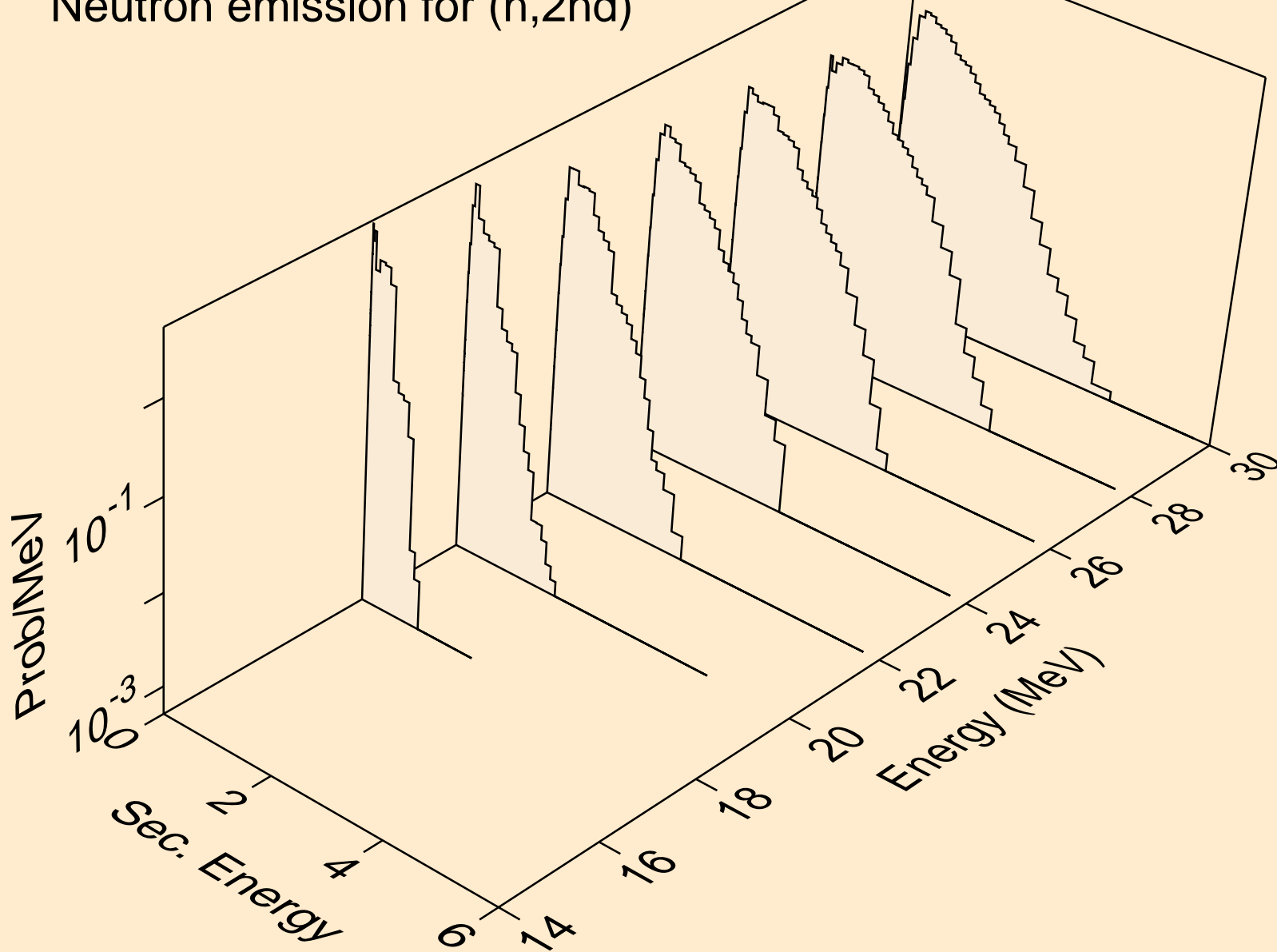
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Total fission nubar



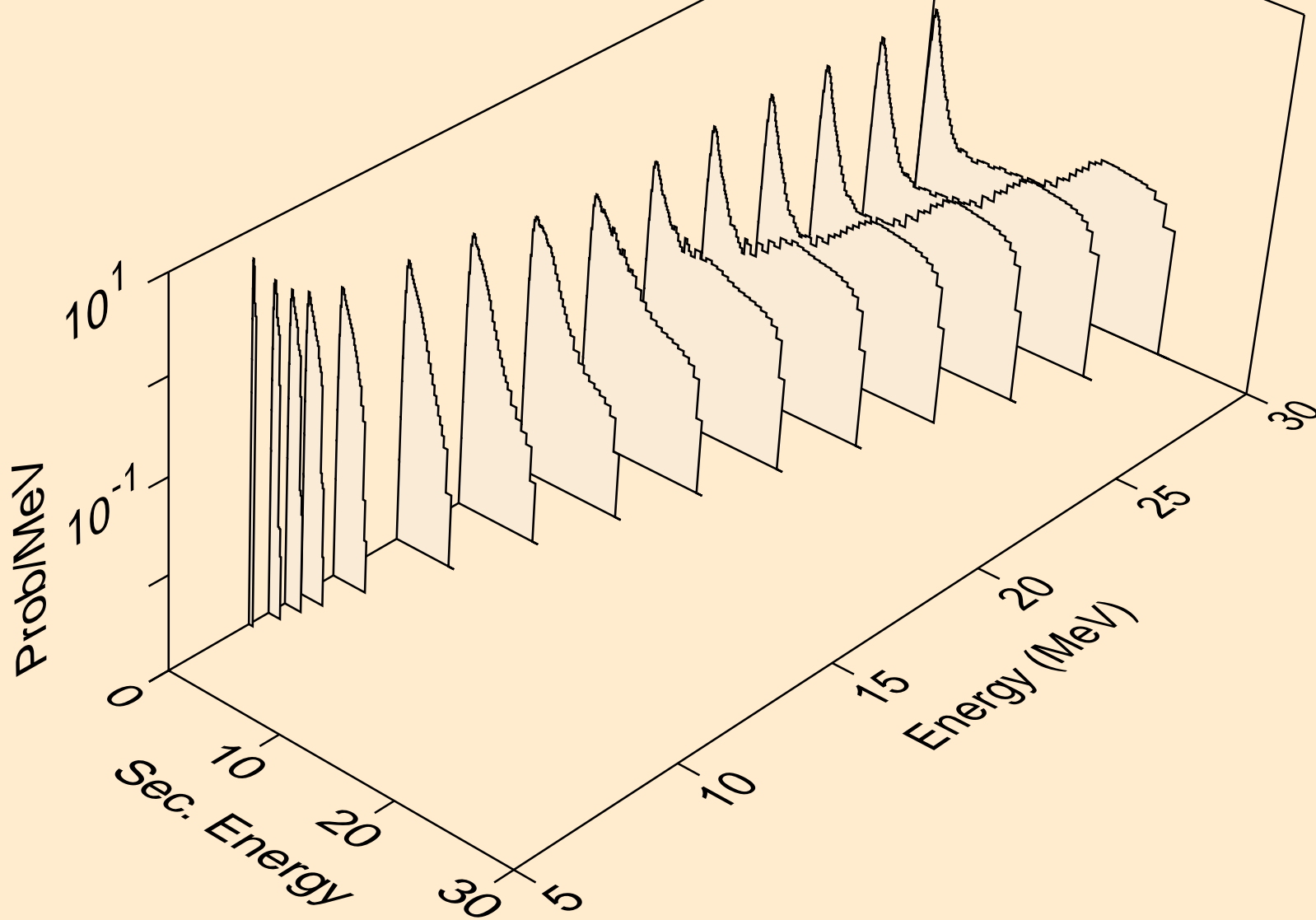
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



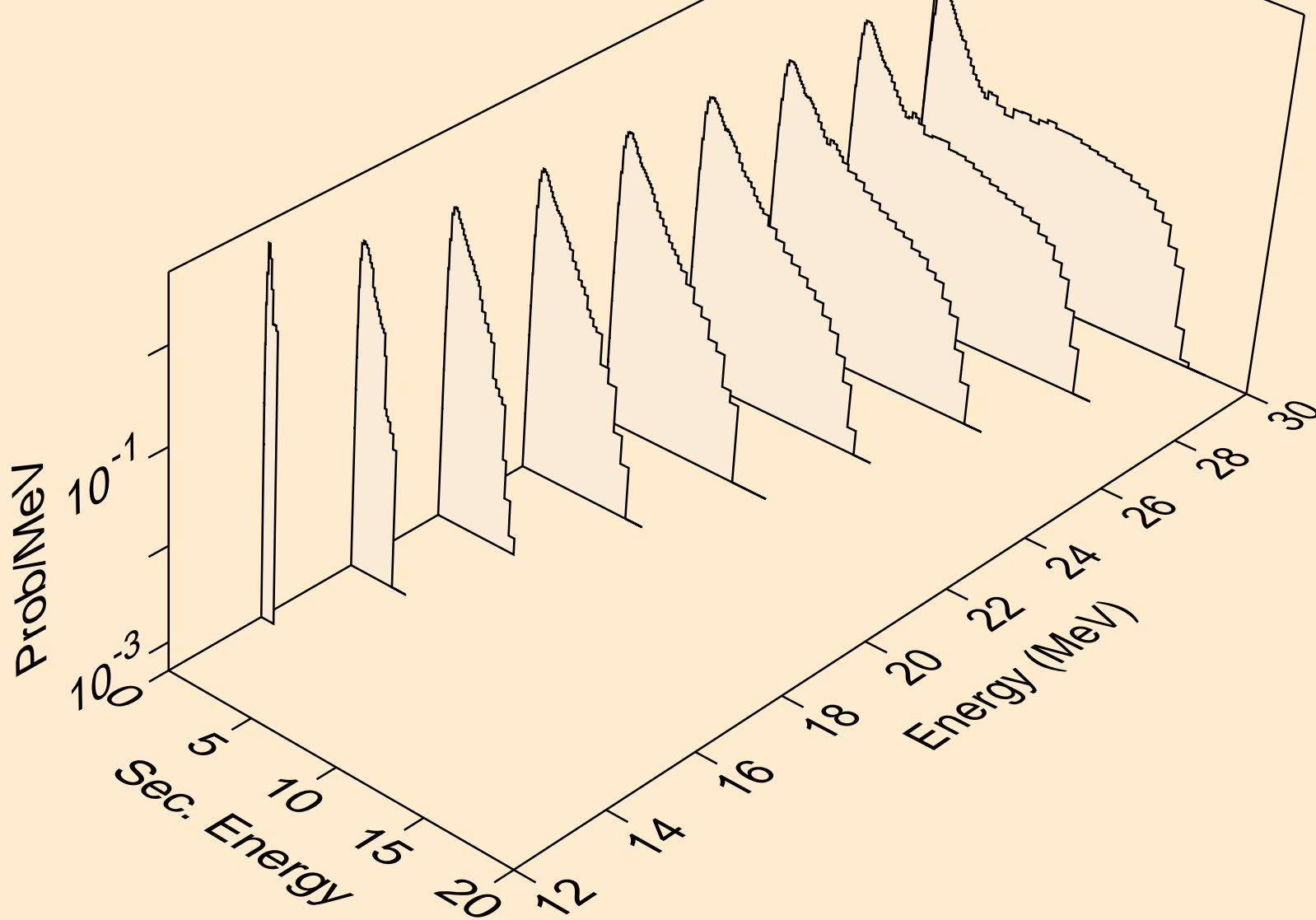
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



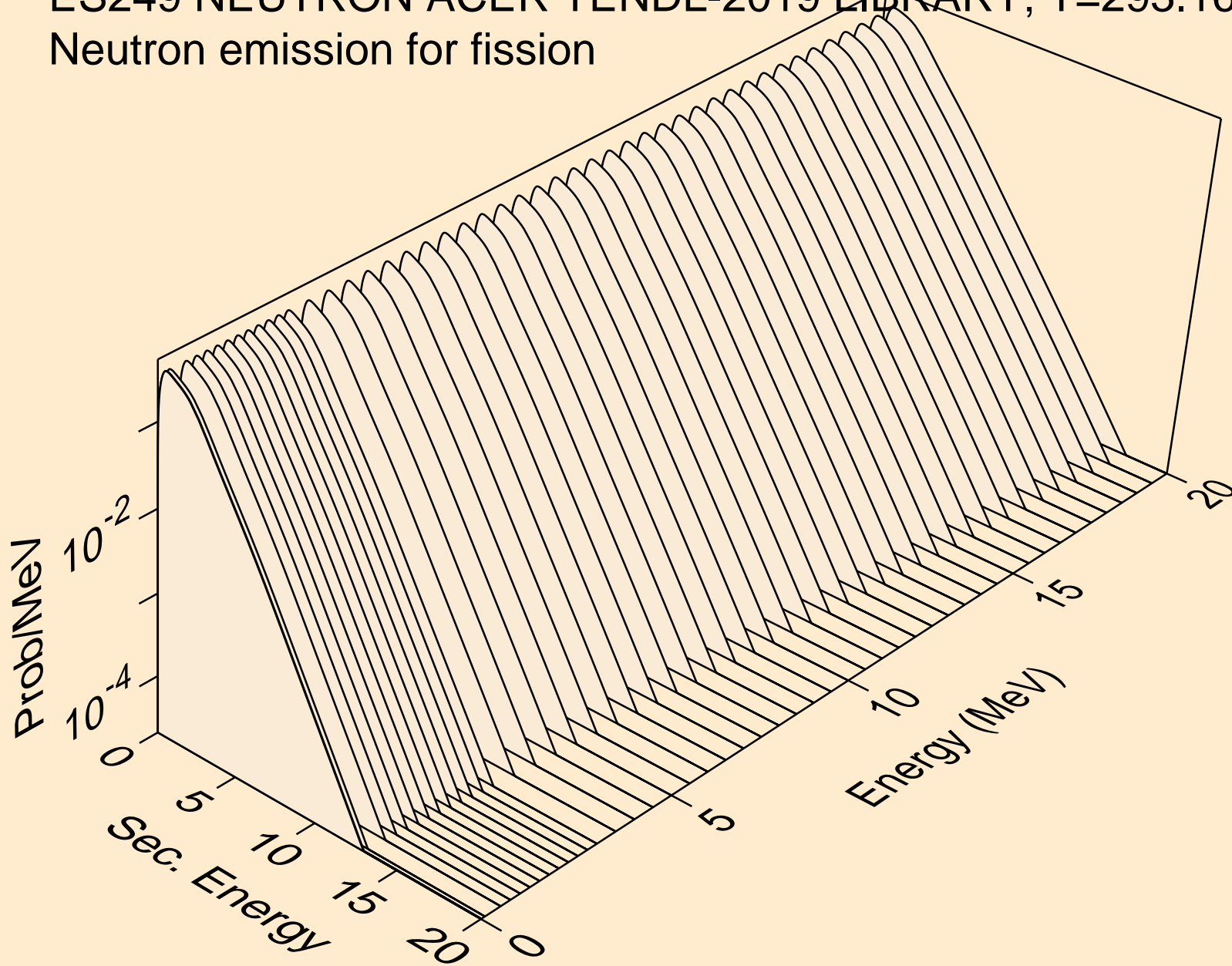
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



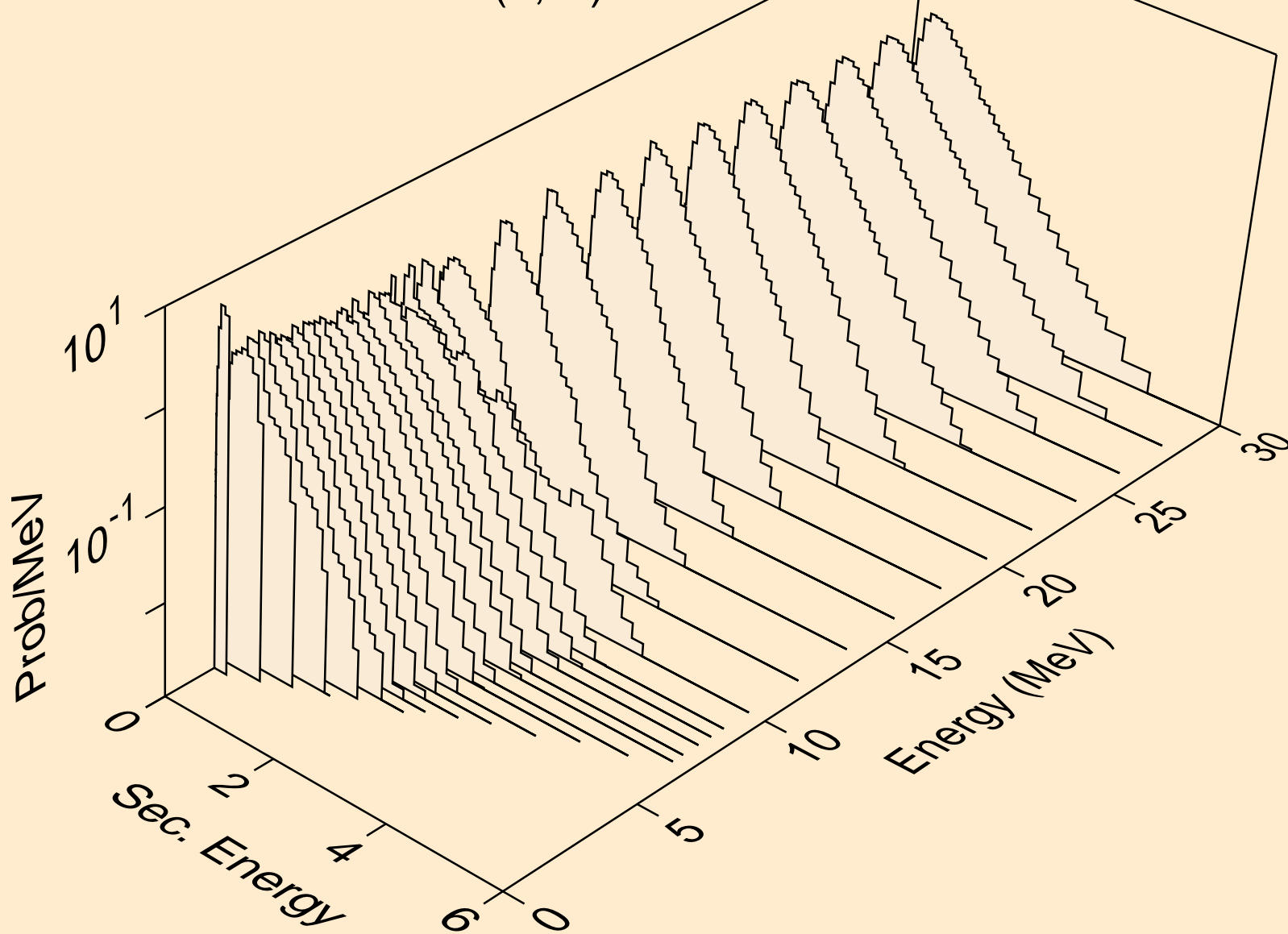
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



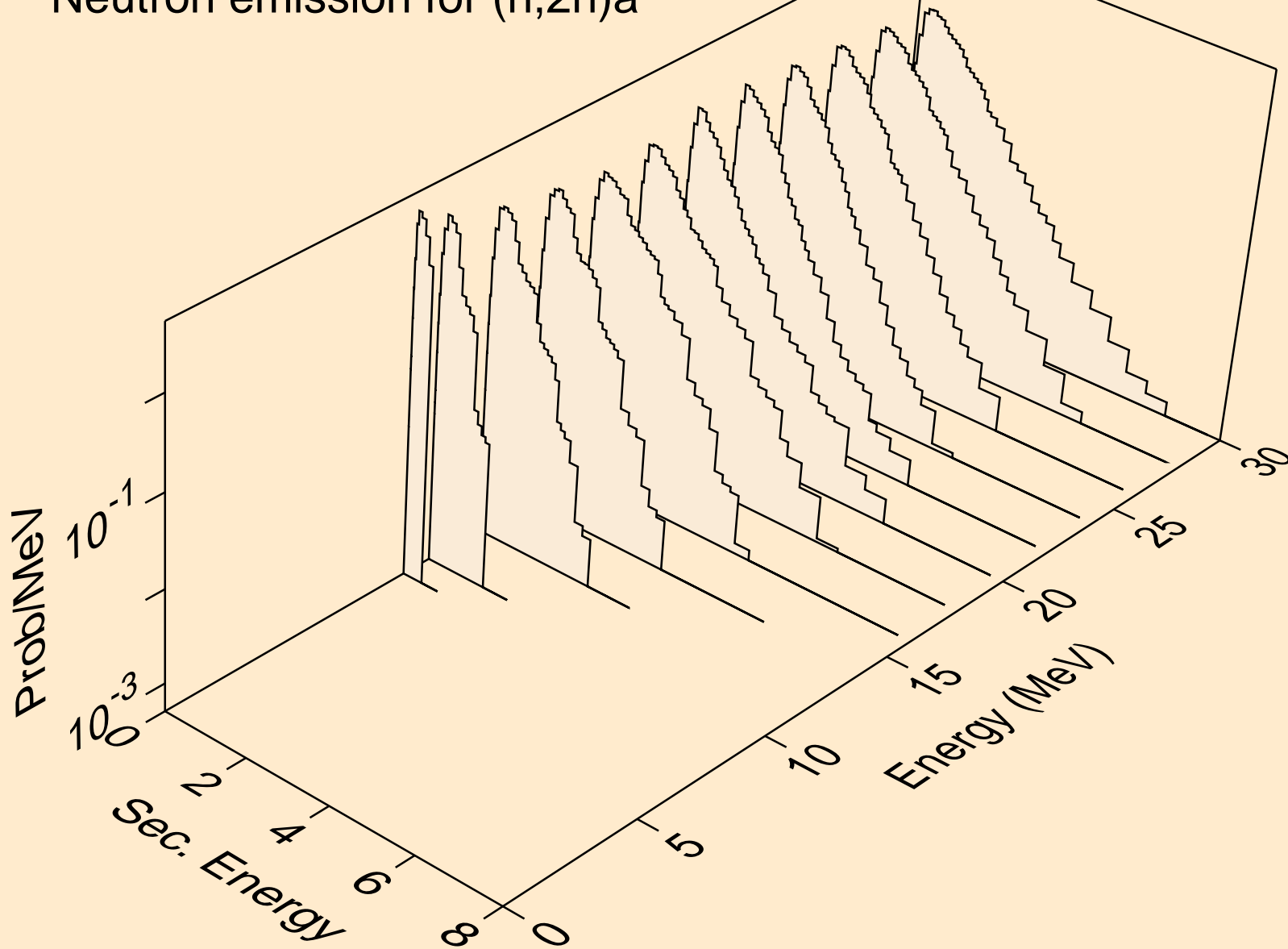
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for fission



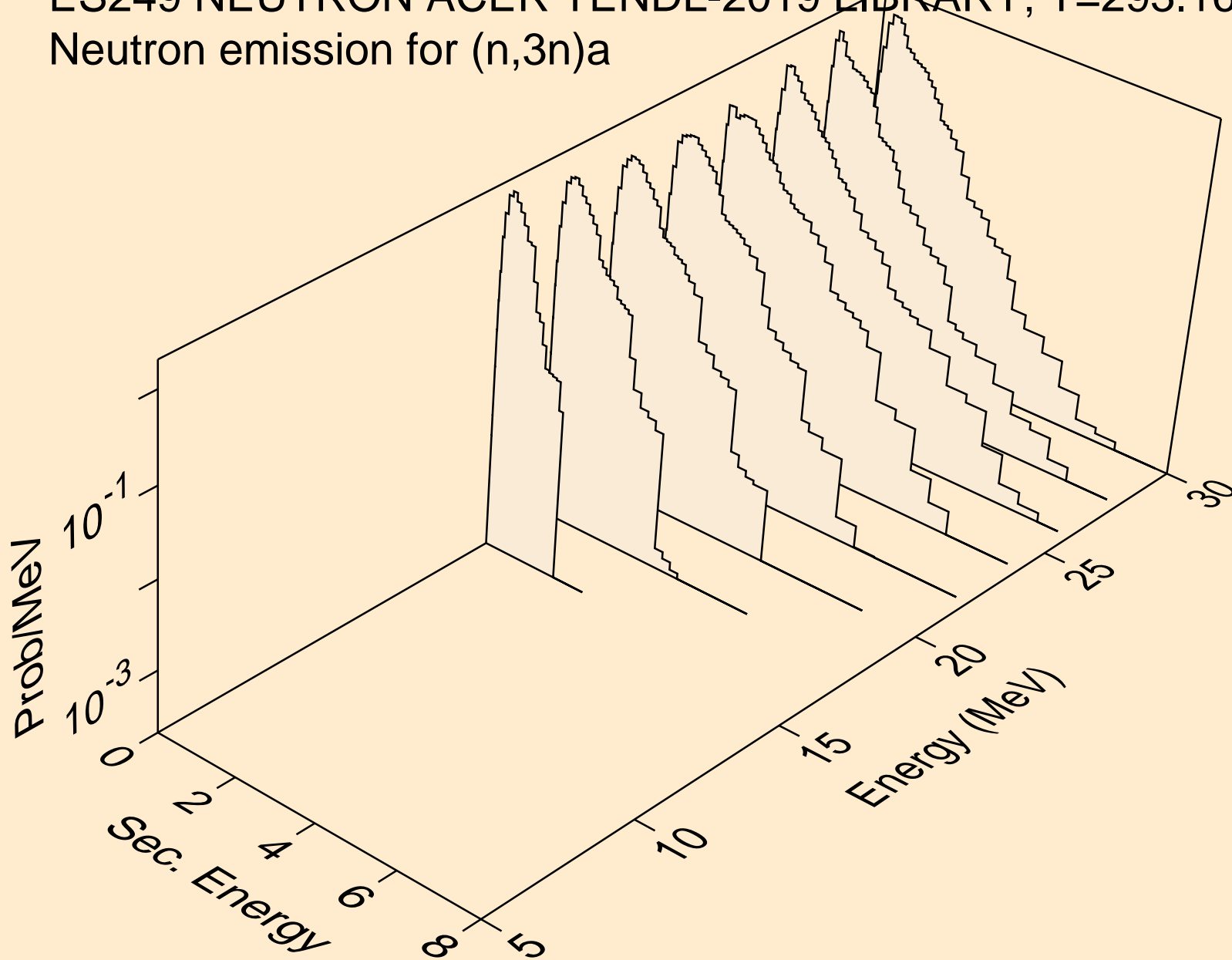
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



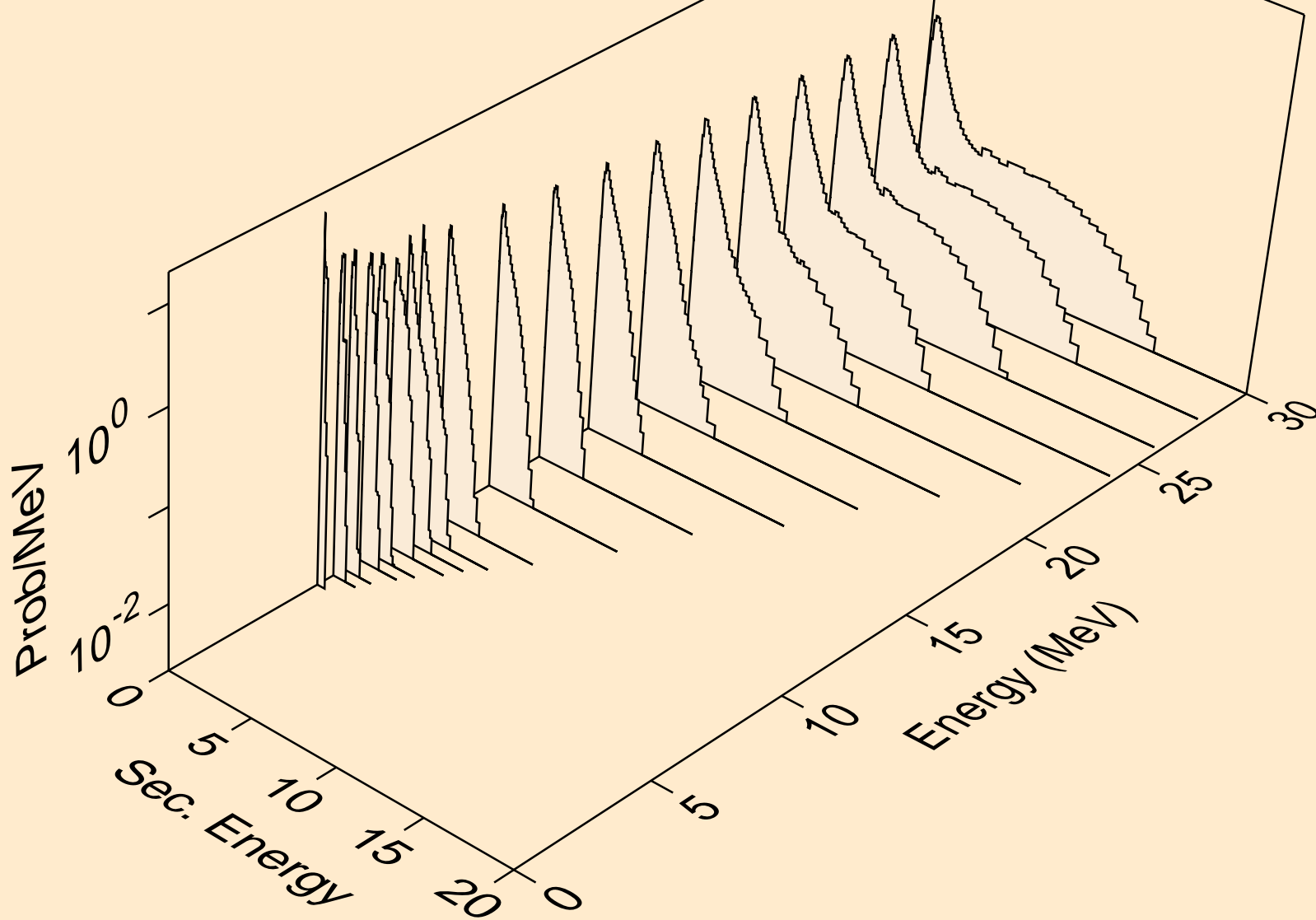
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



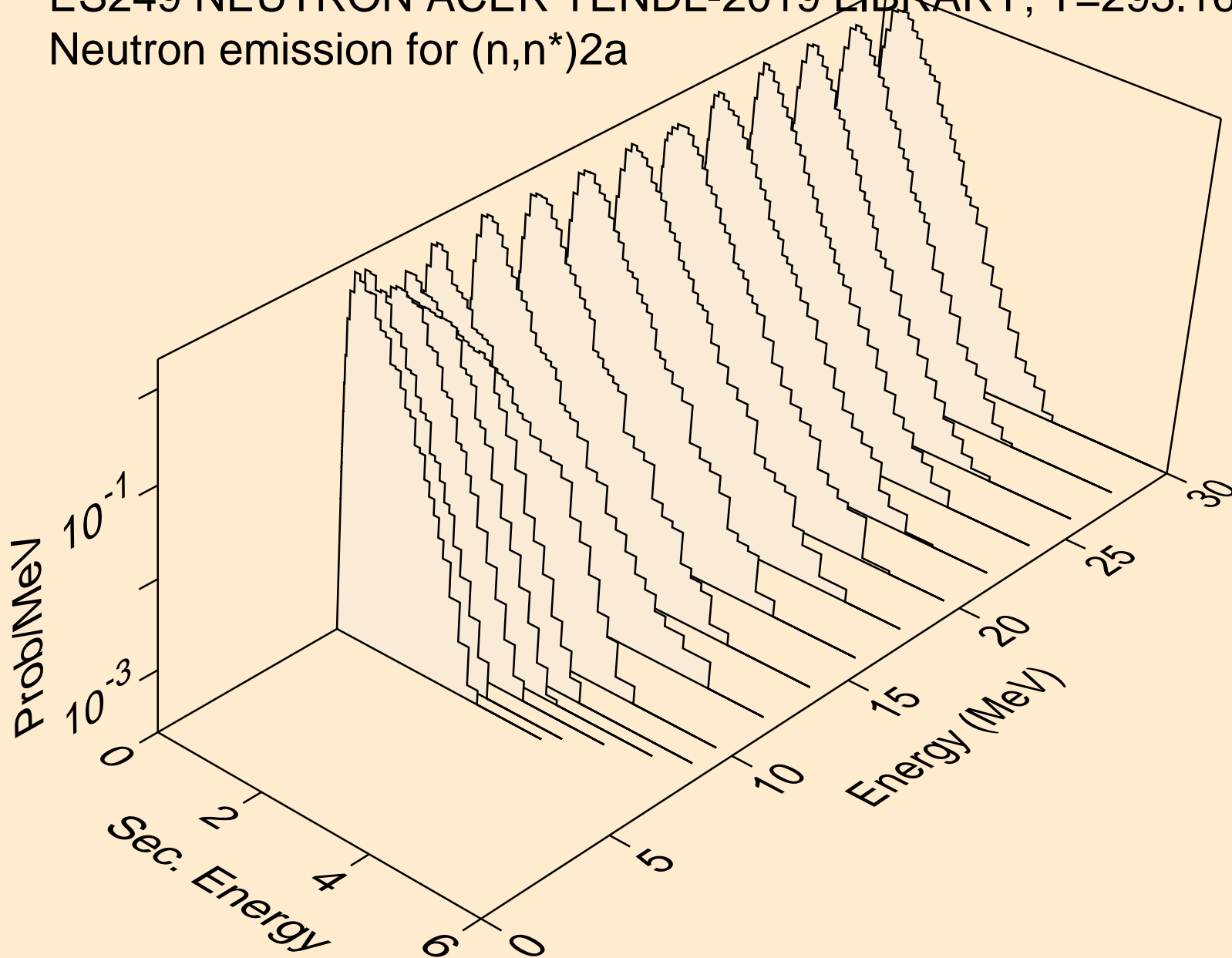
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



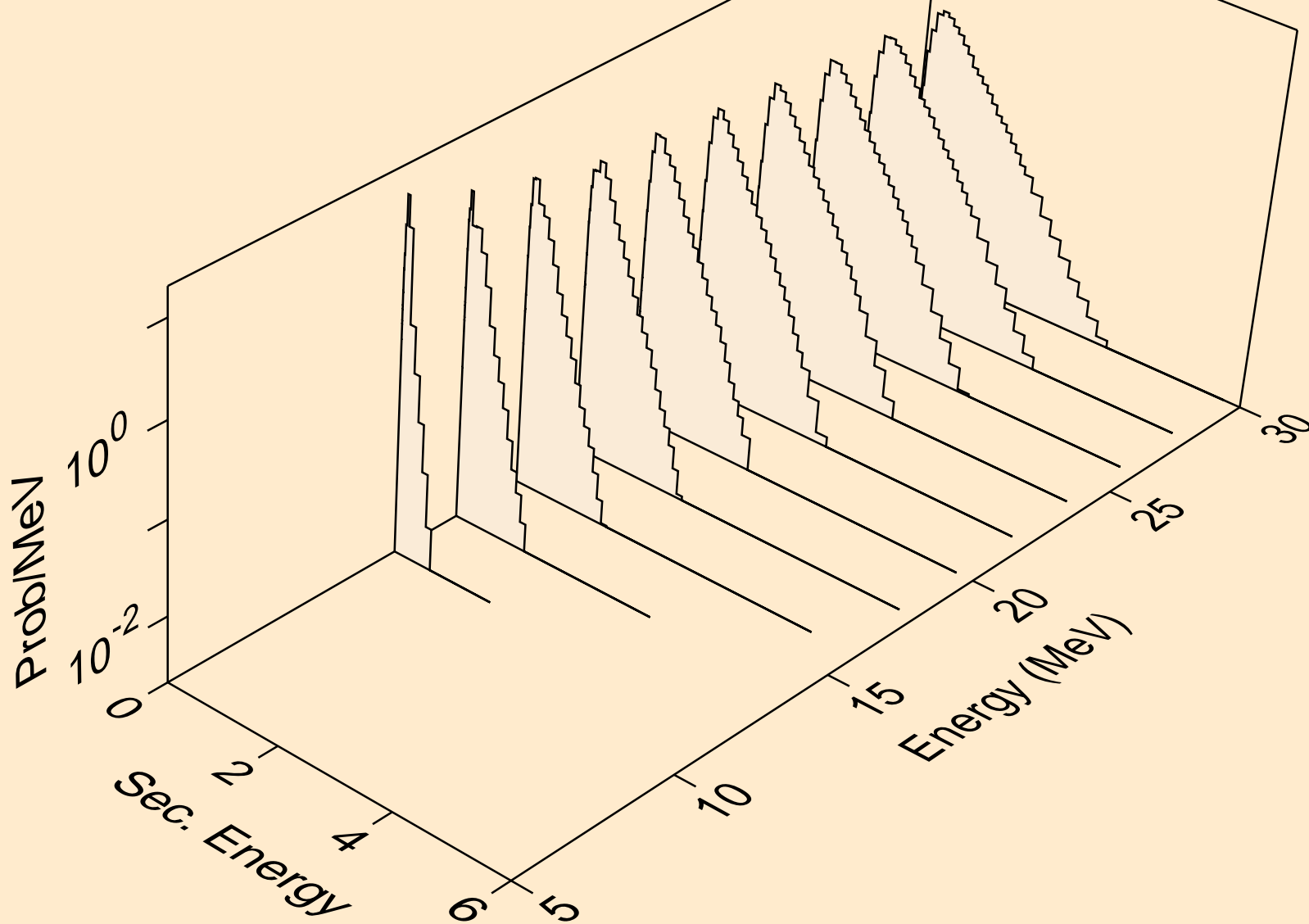
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



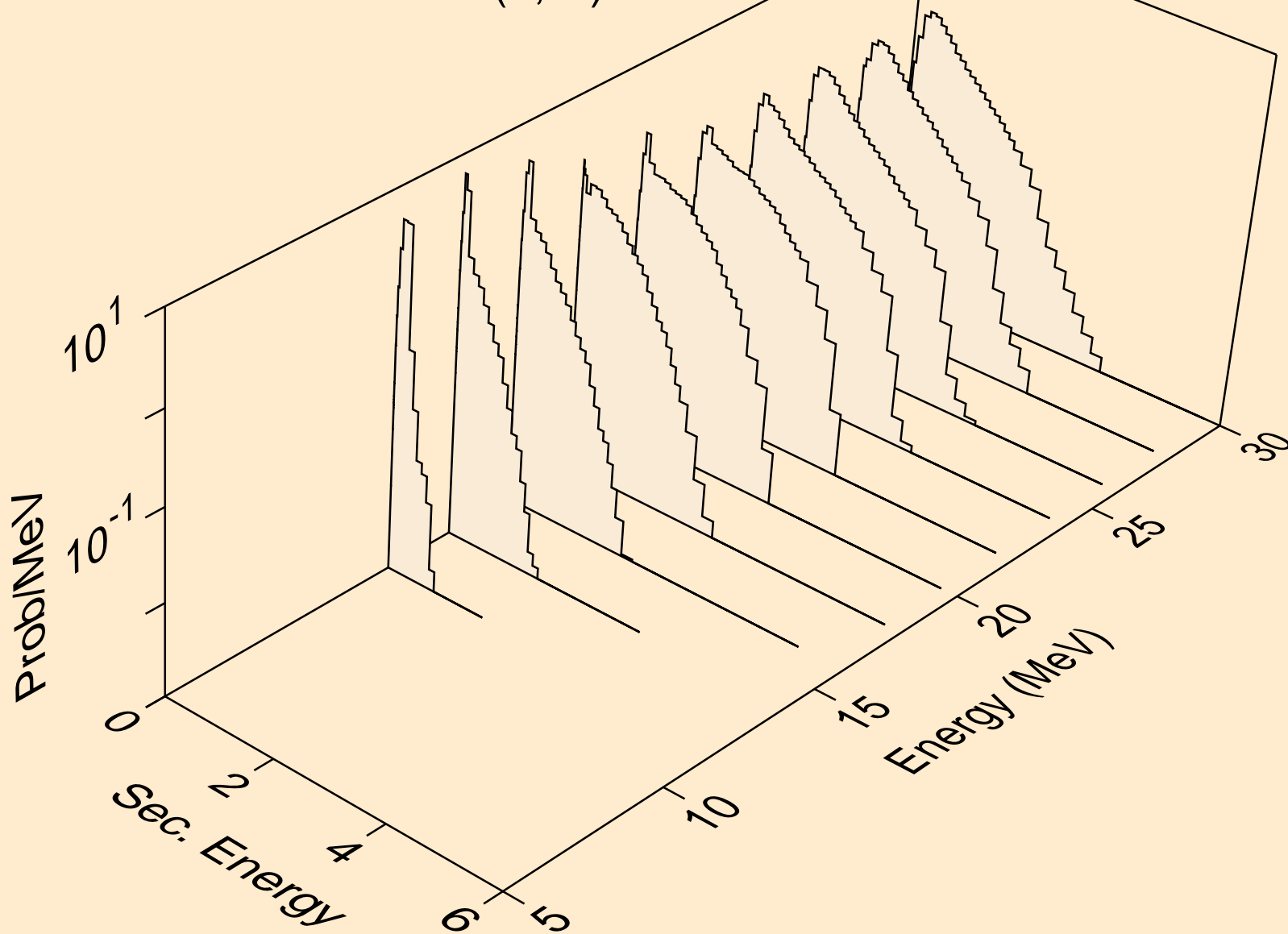
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



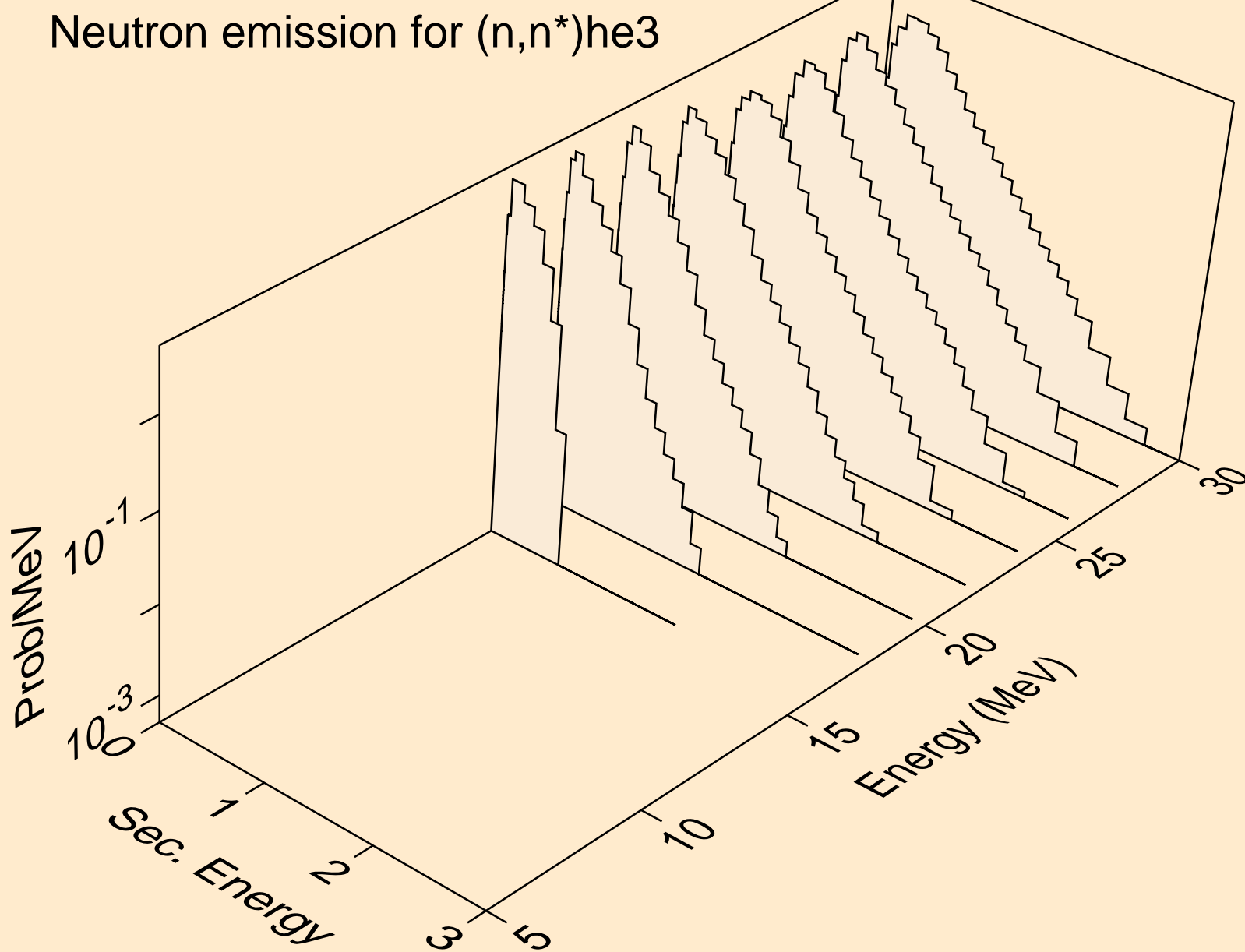
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



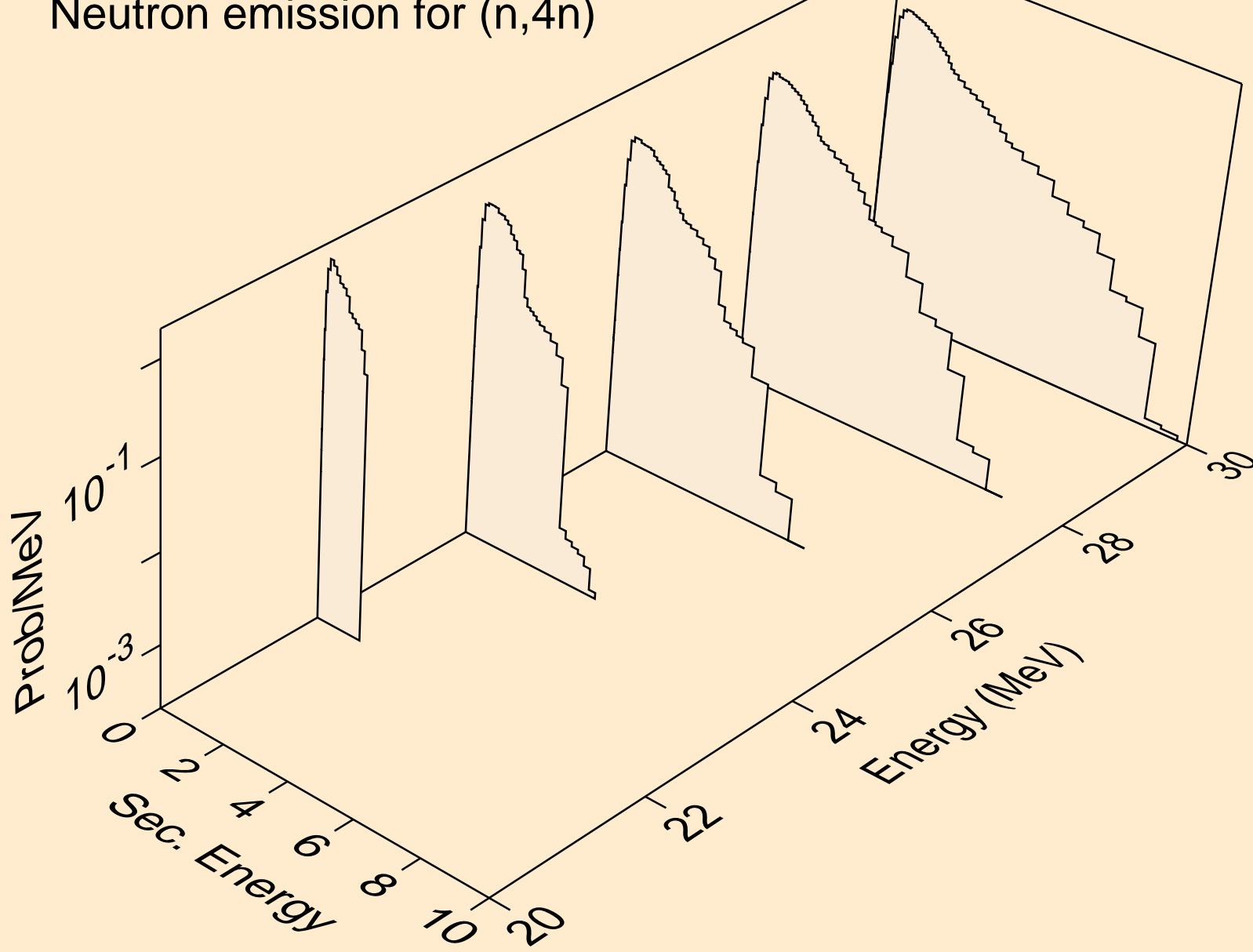
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



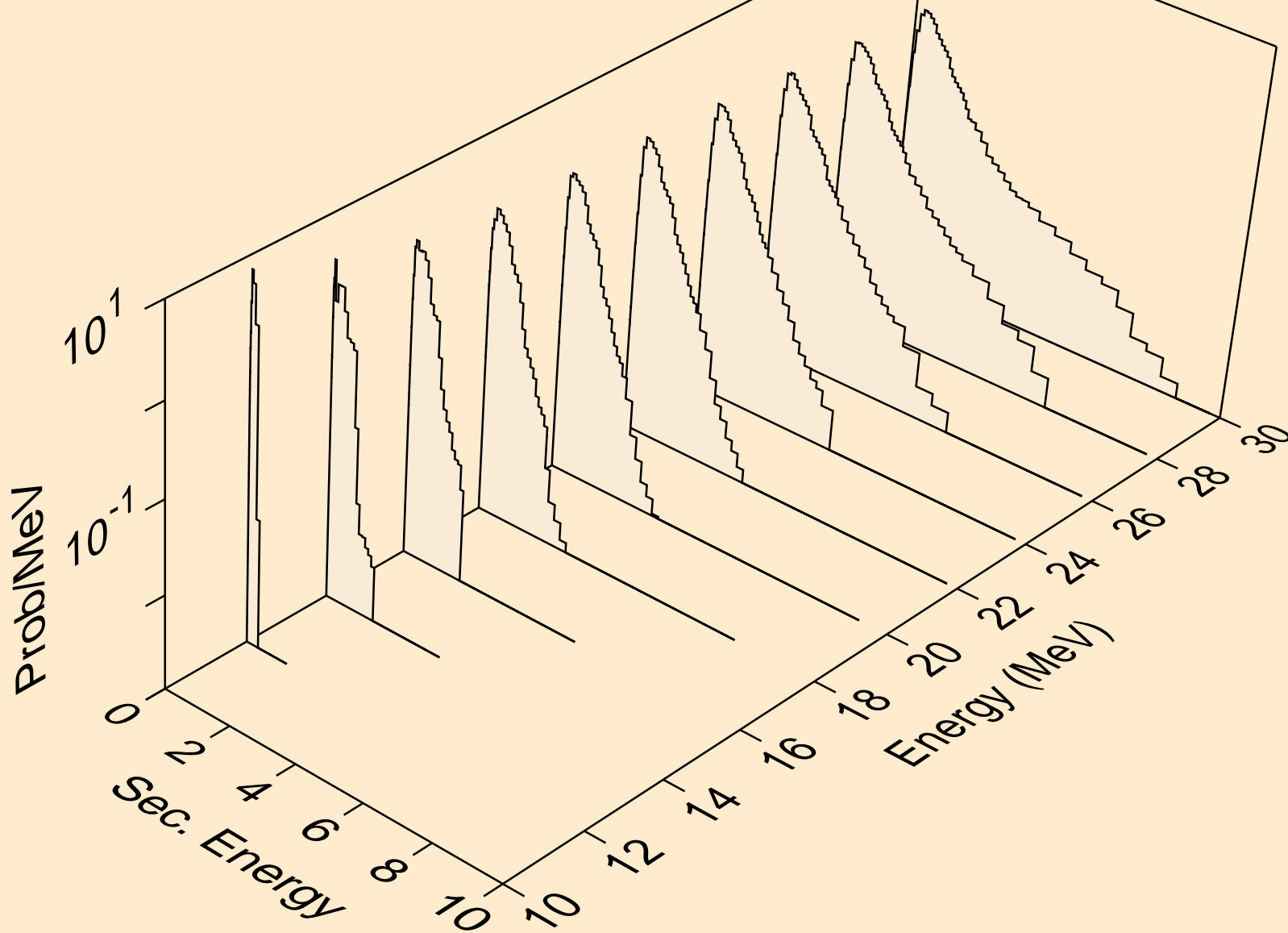
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



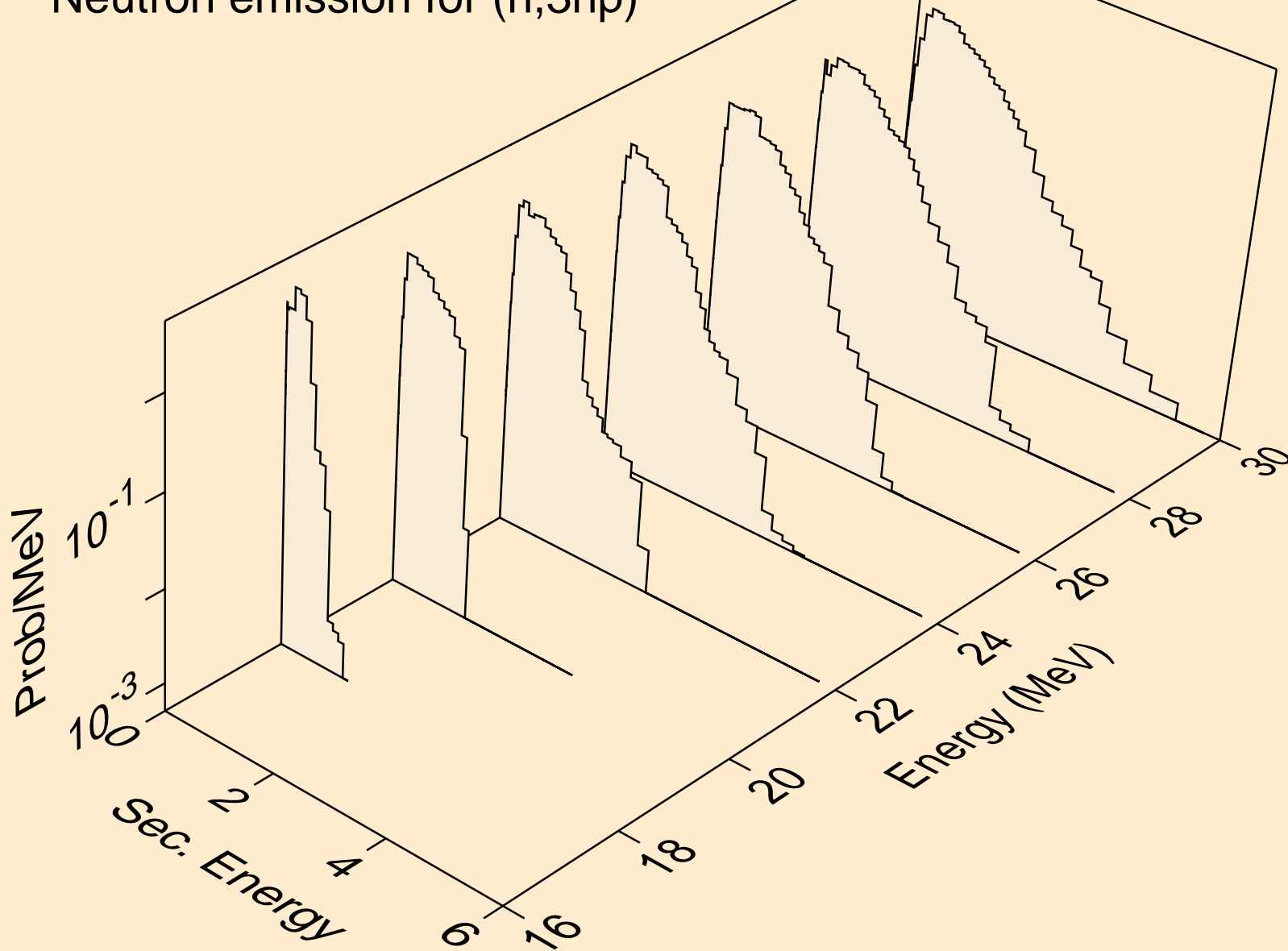
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



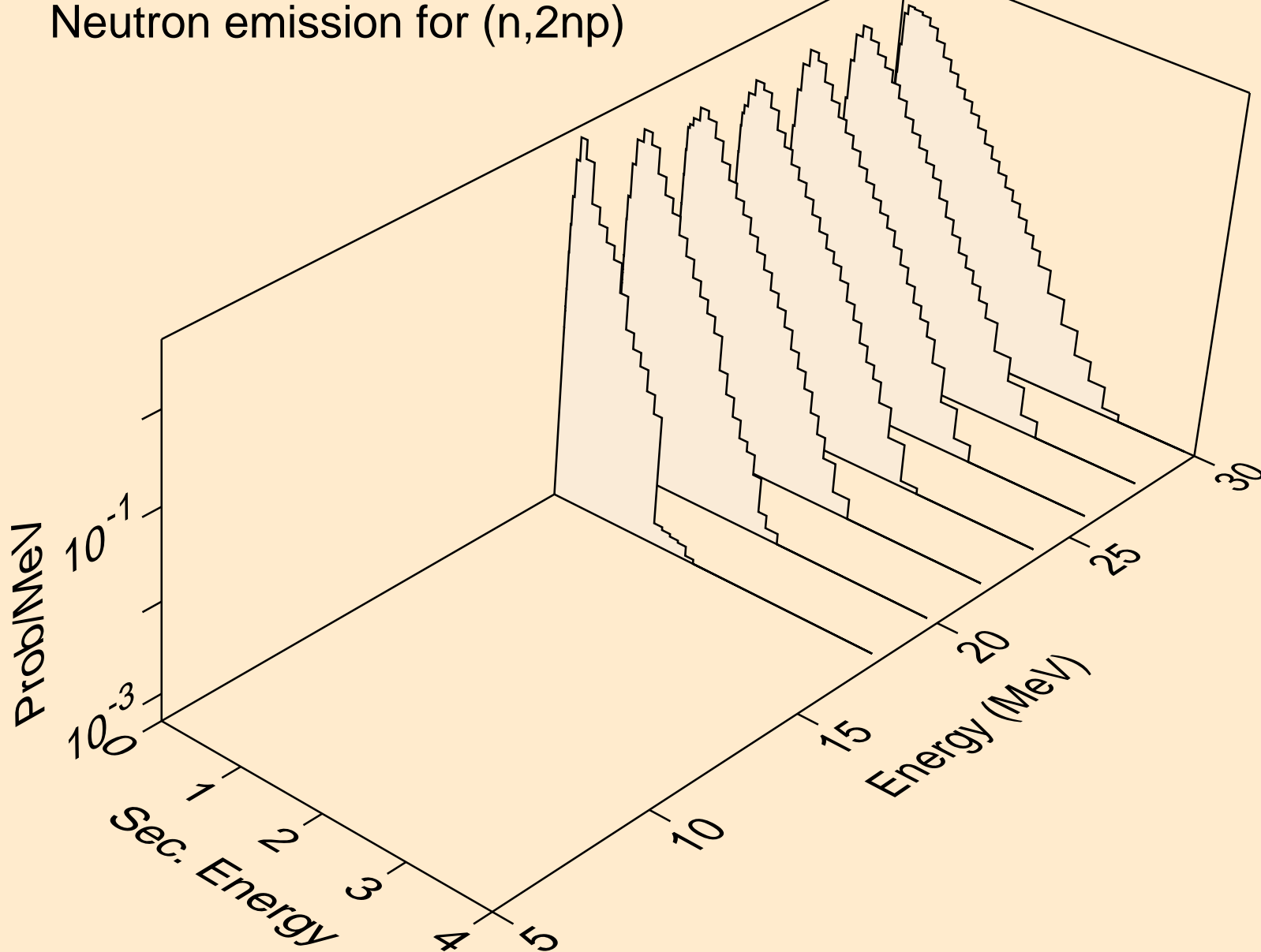
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



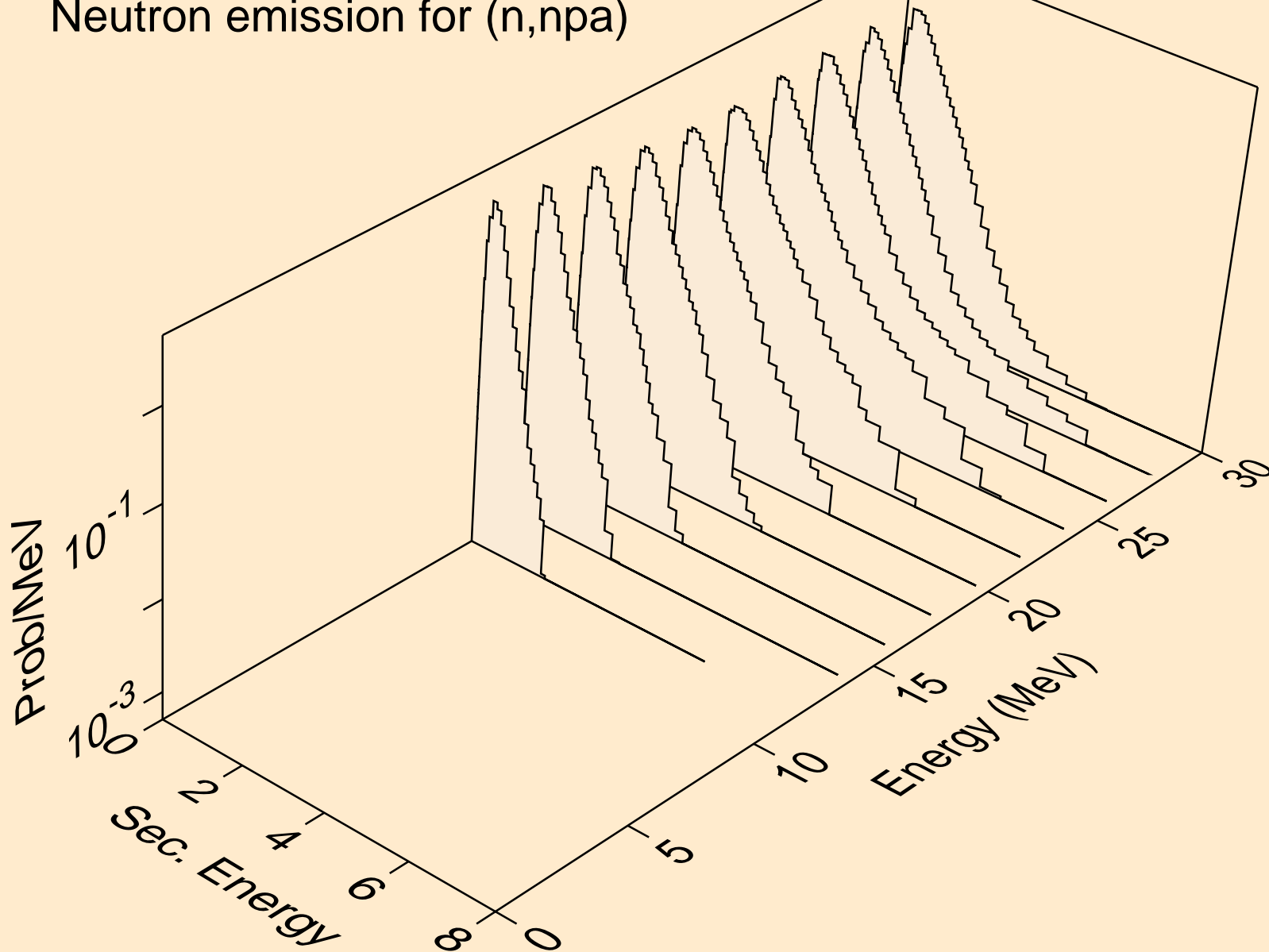
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



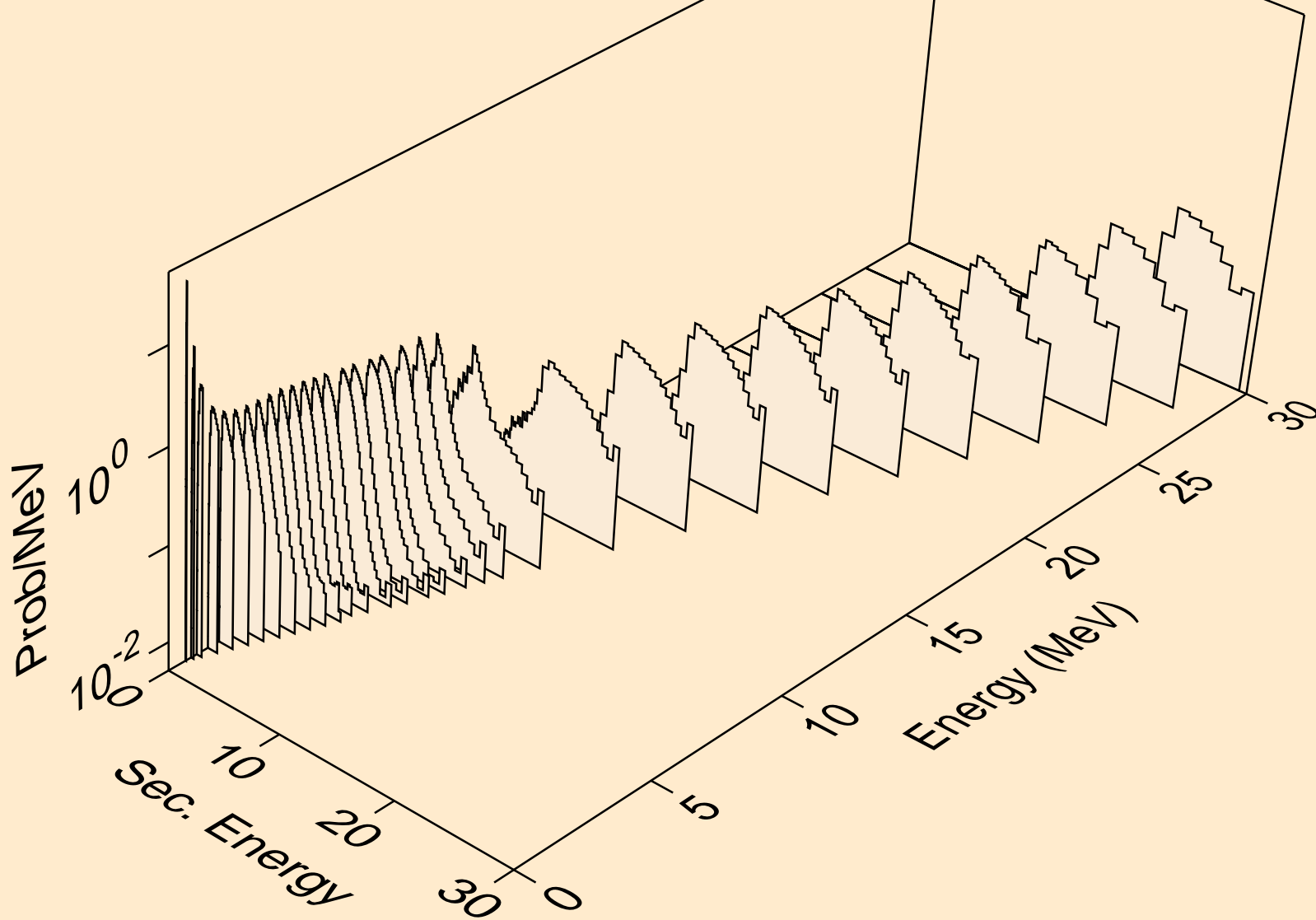
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)

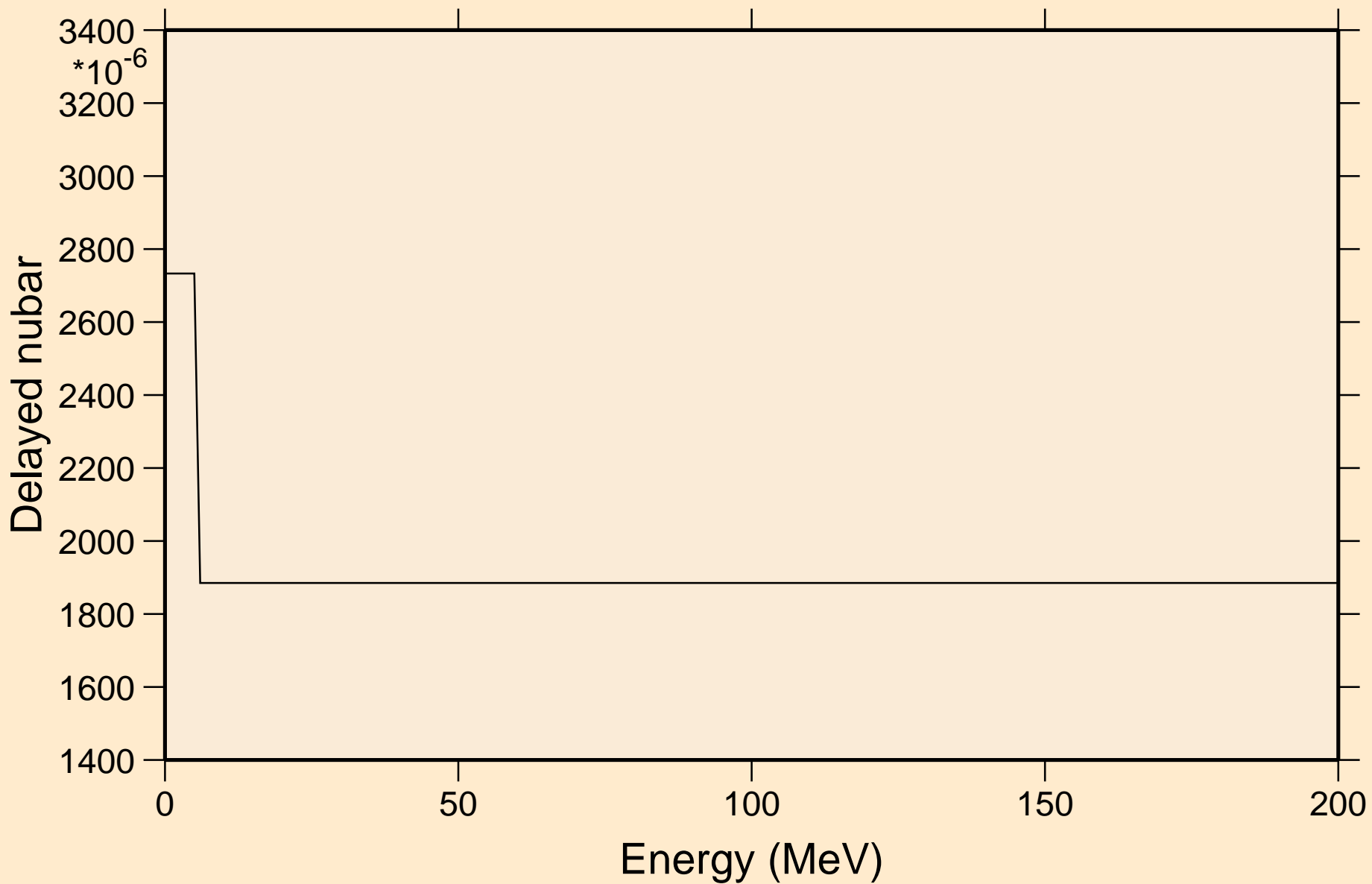


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



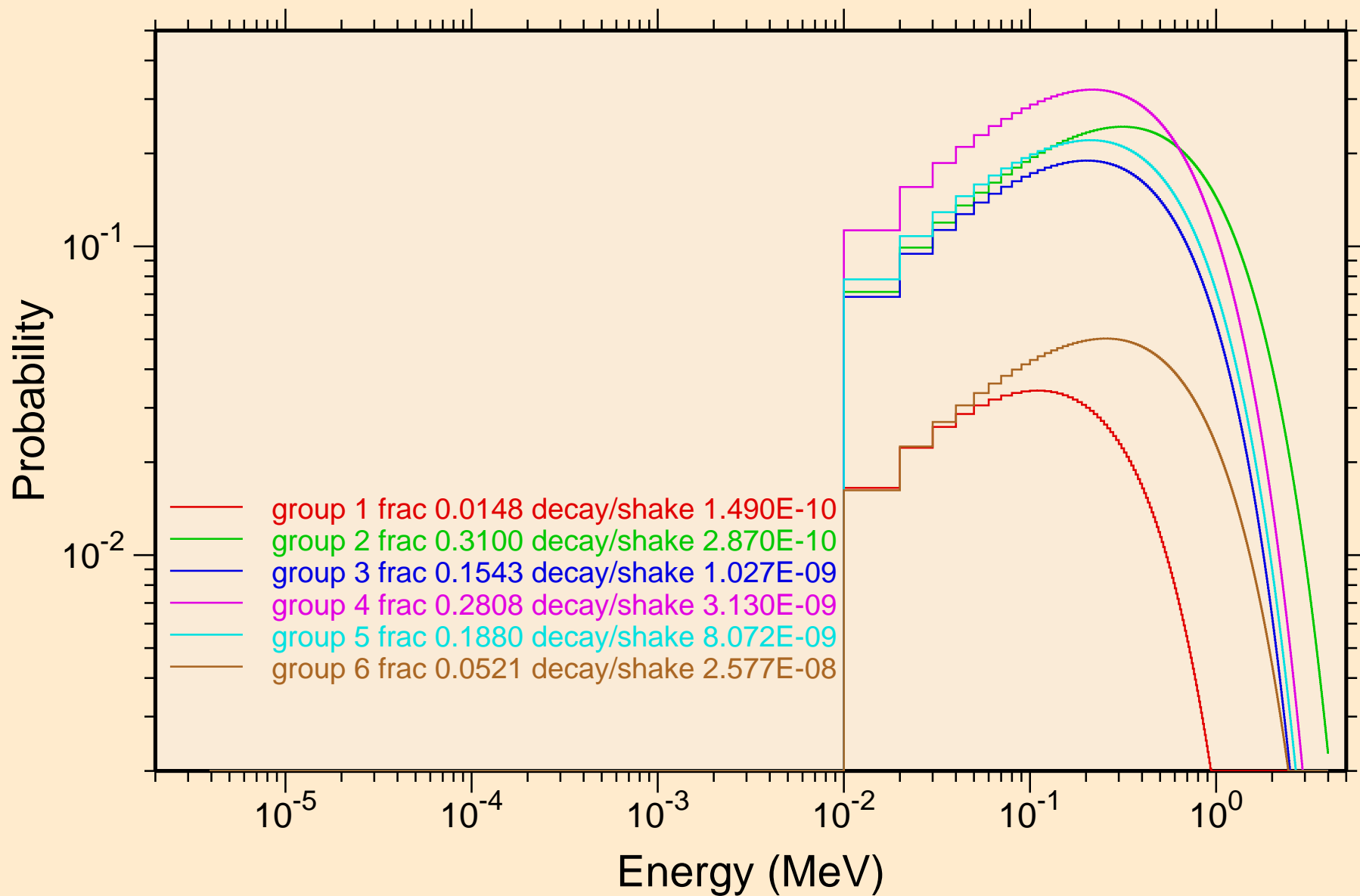
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Delayed nubar

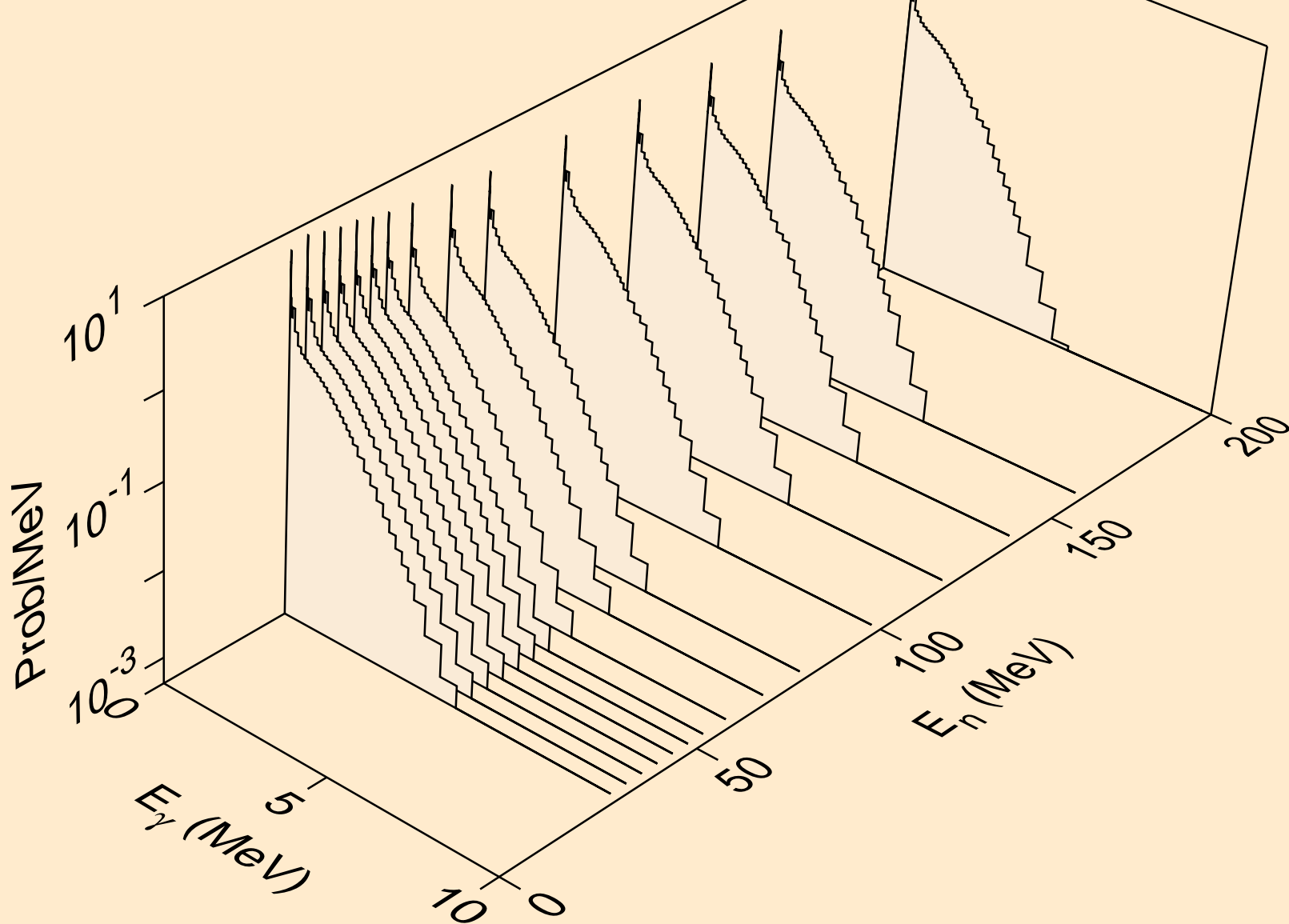


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

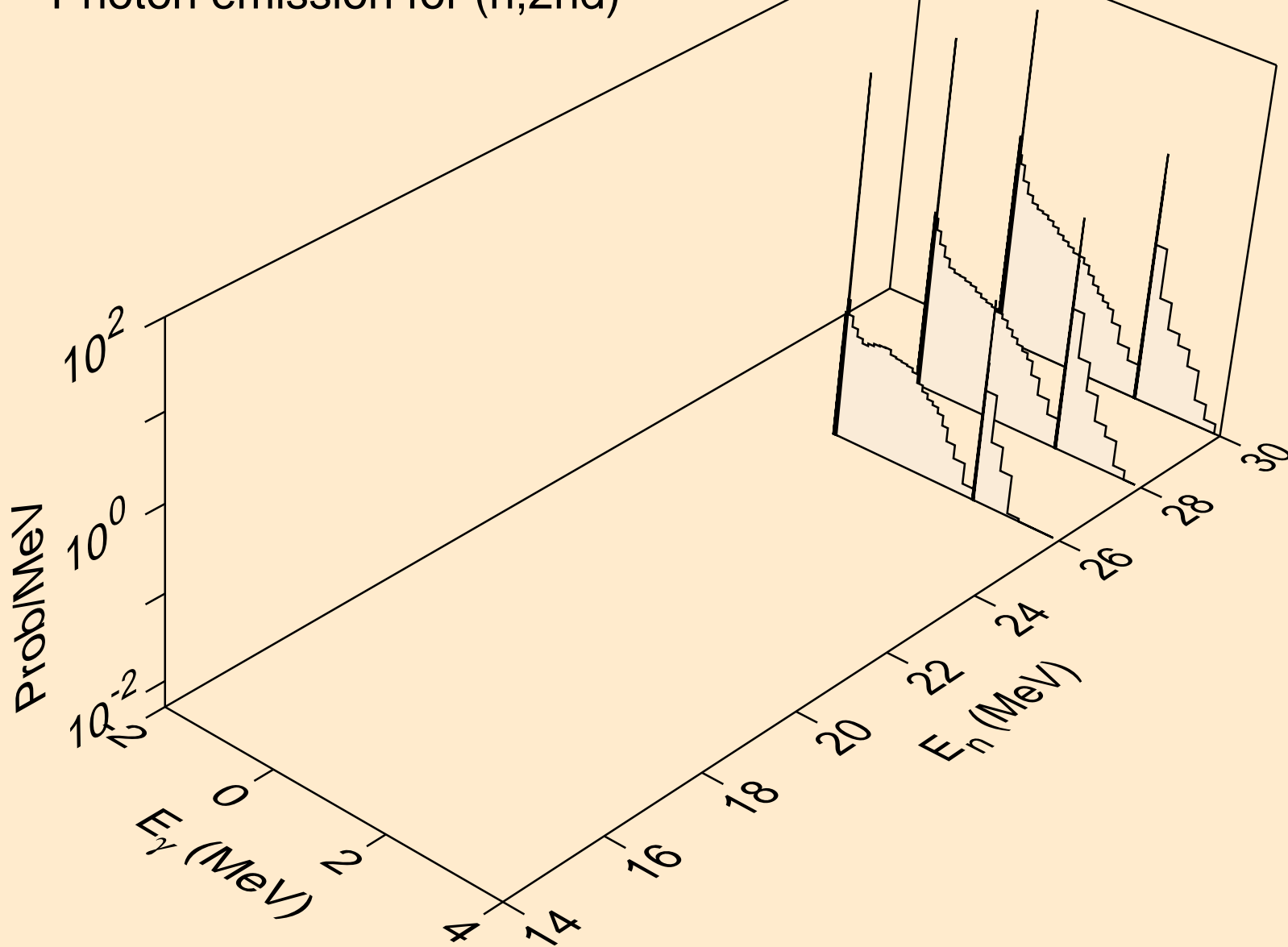
Delayed neutron spectra



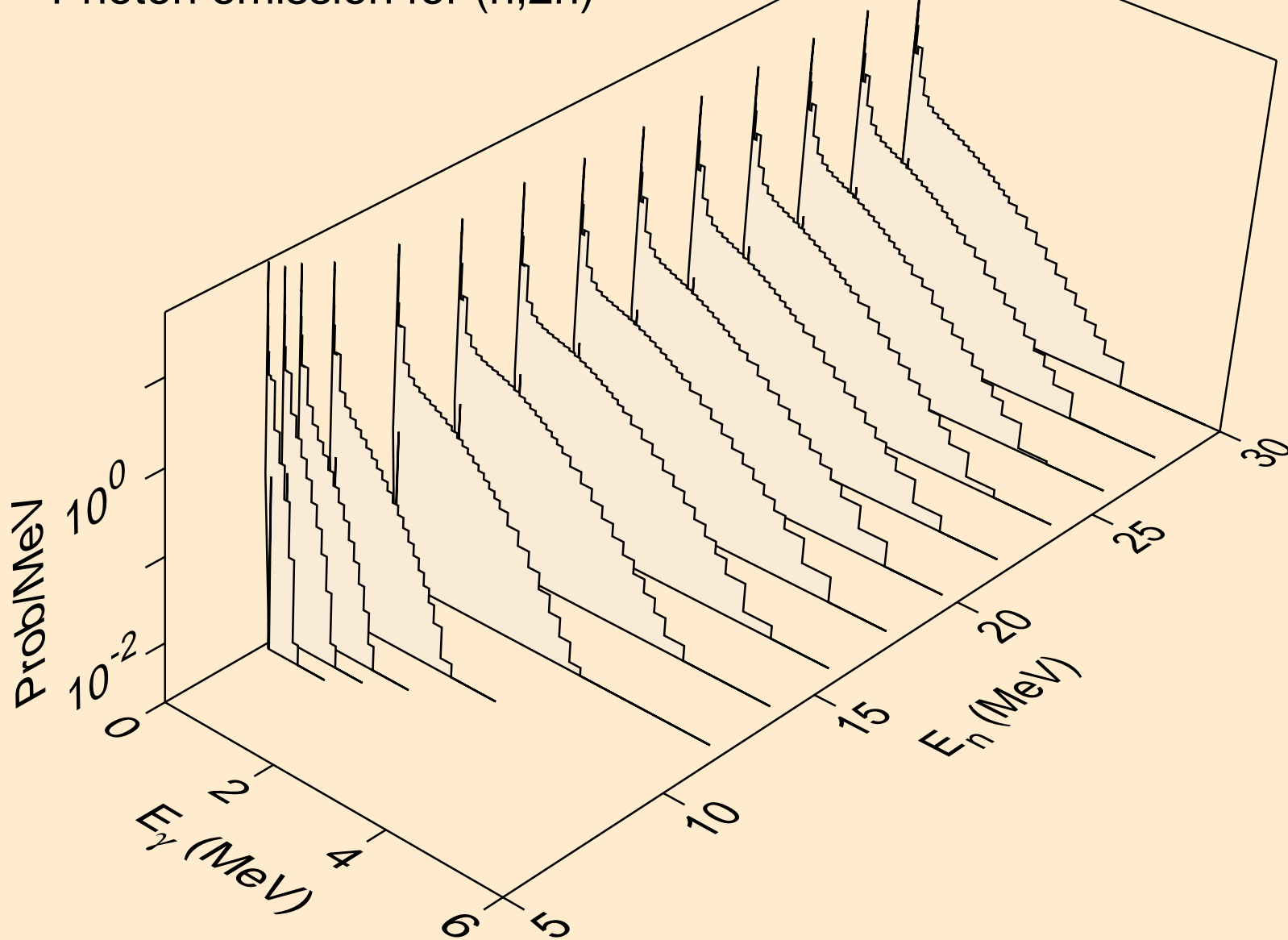
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



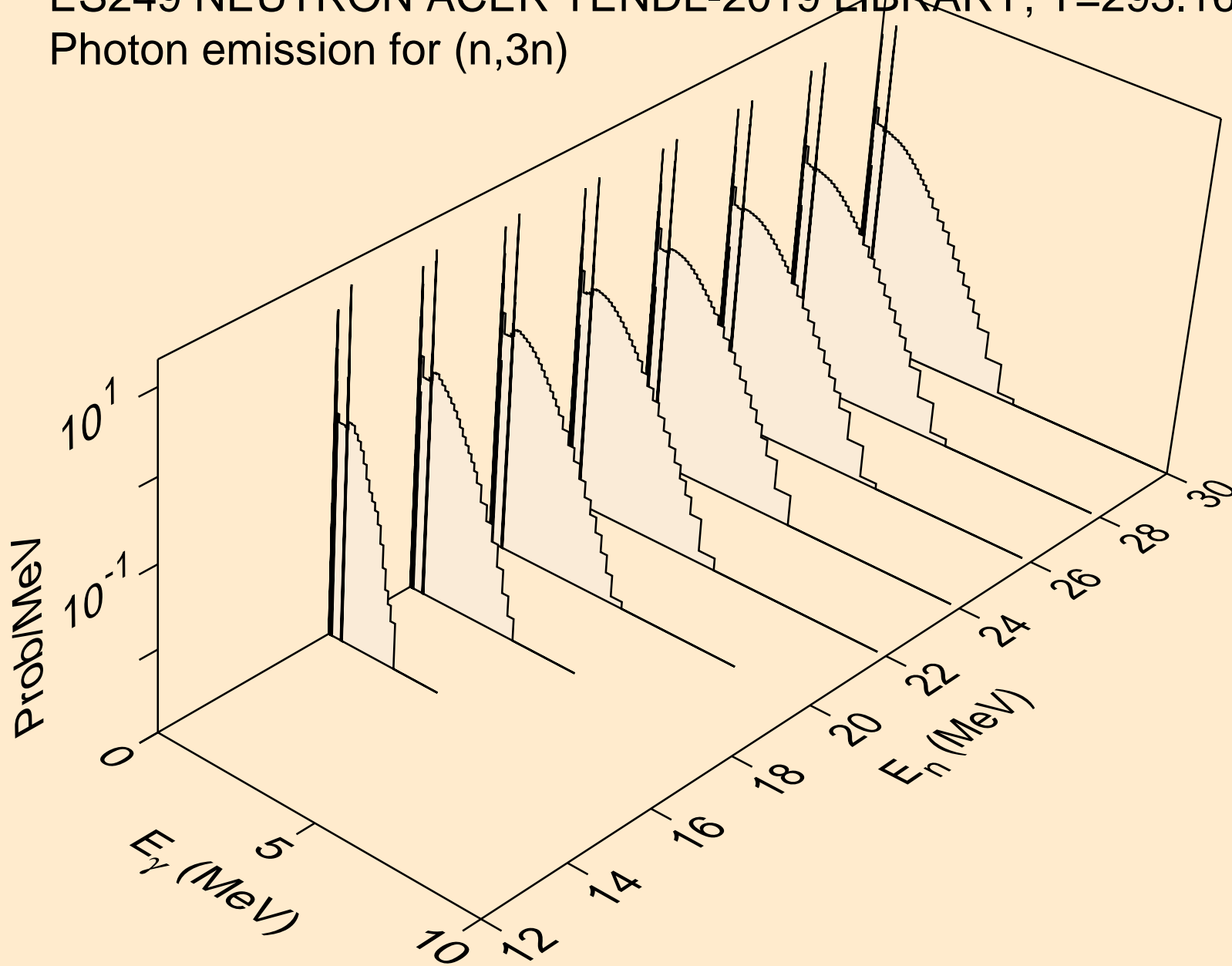
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



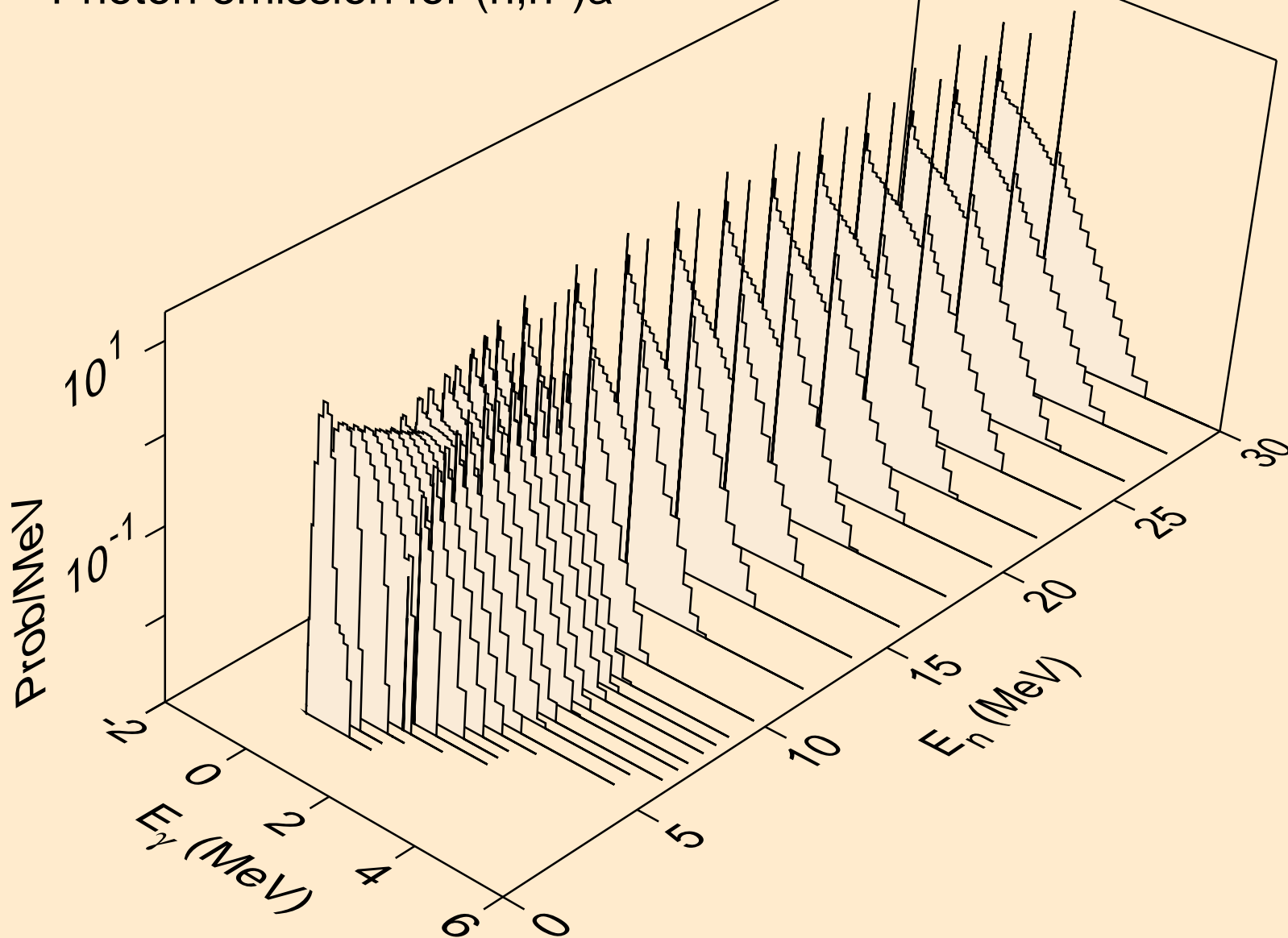
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



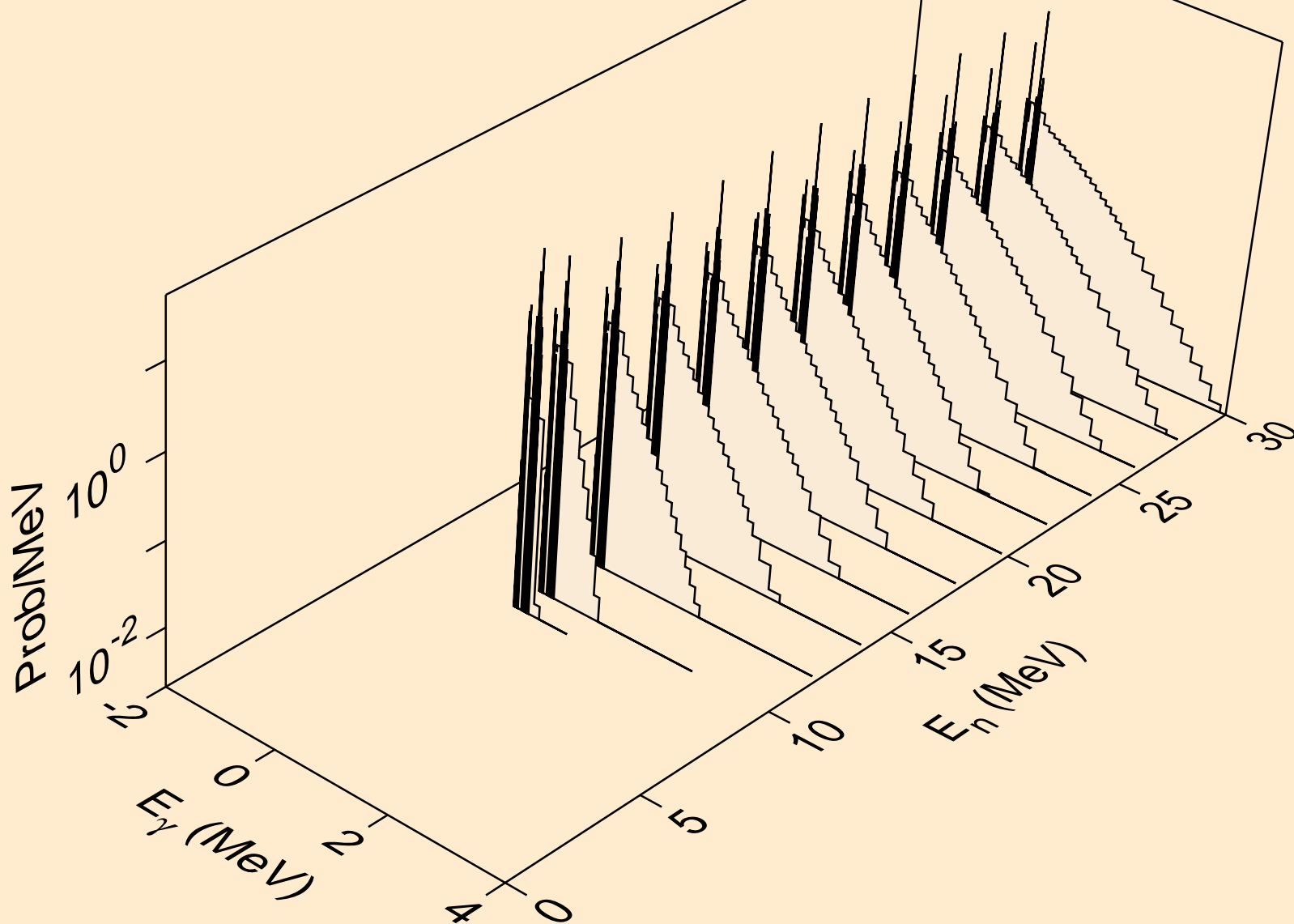
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



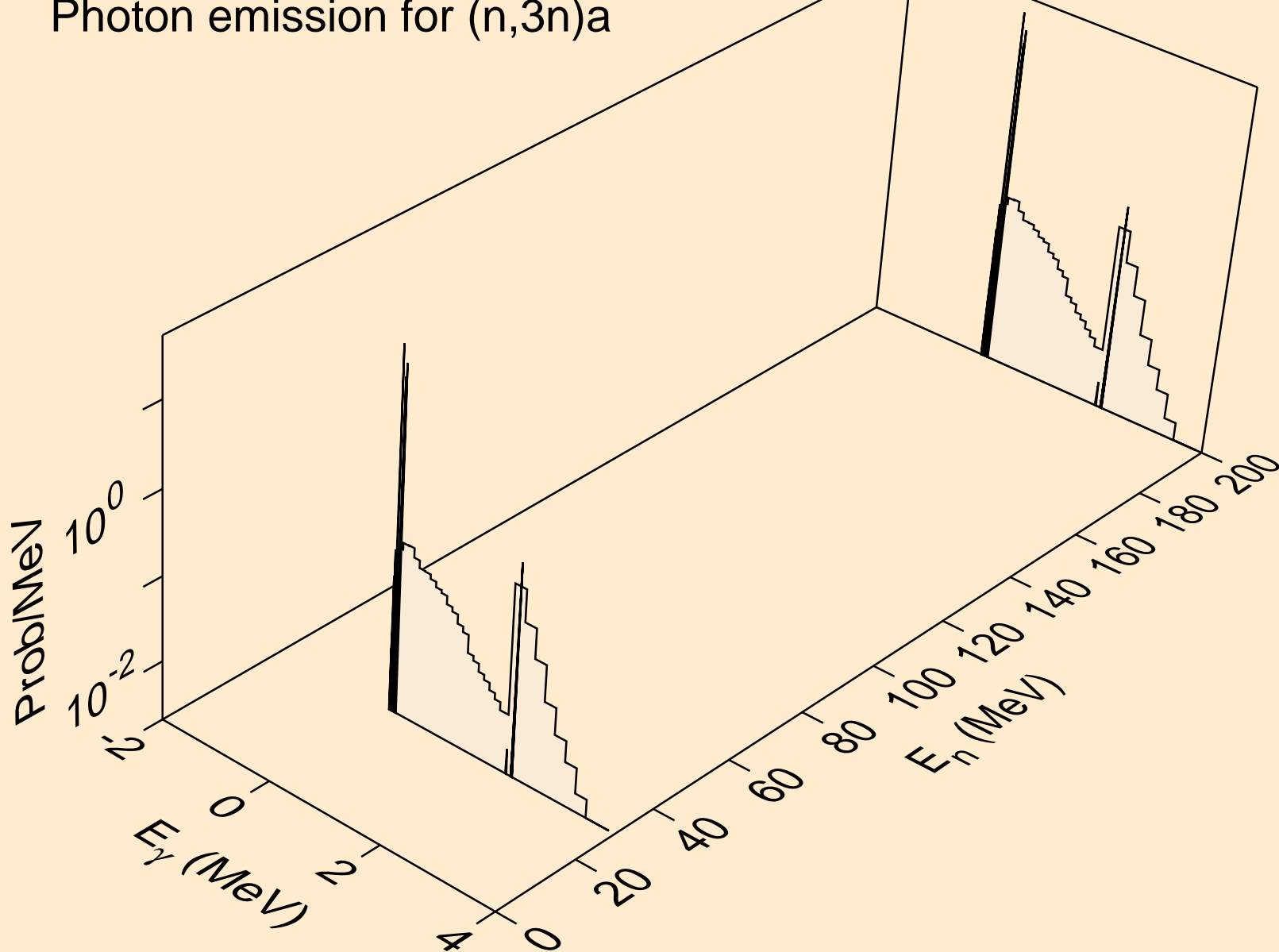
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



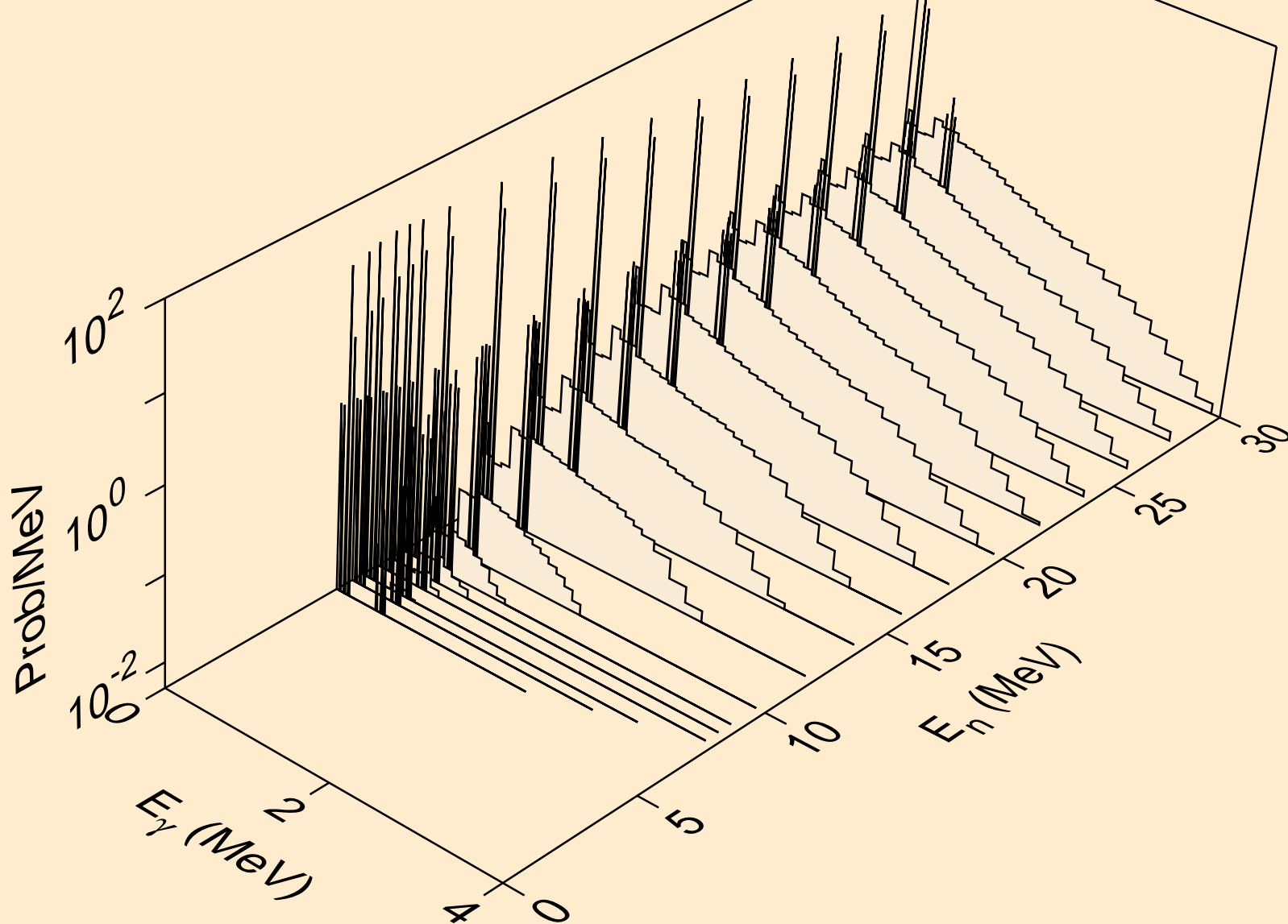
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



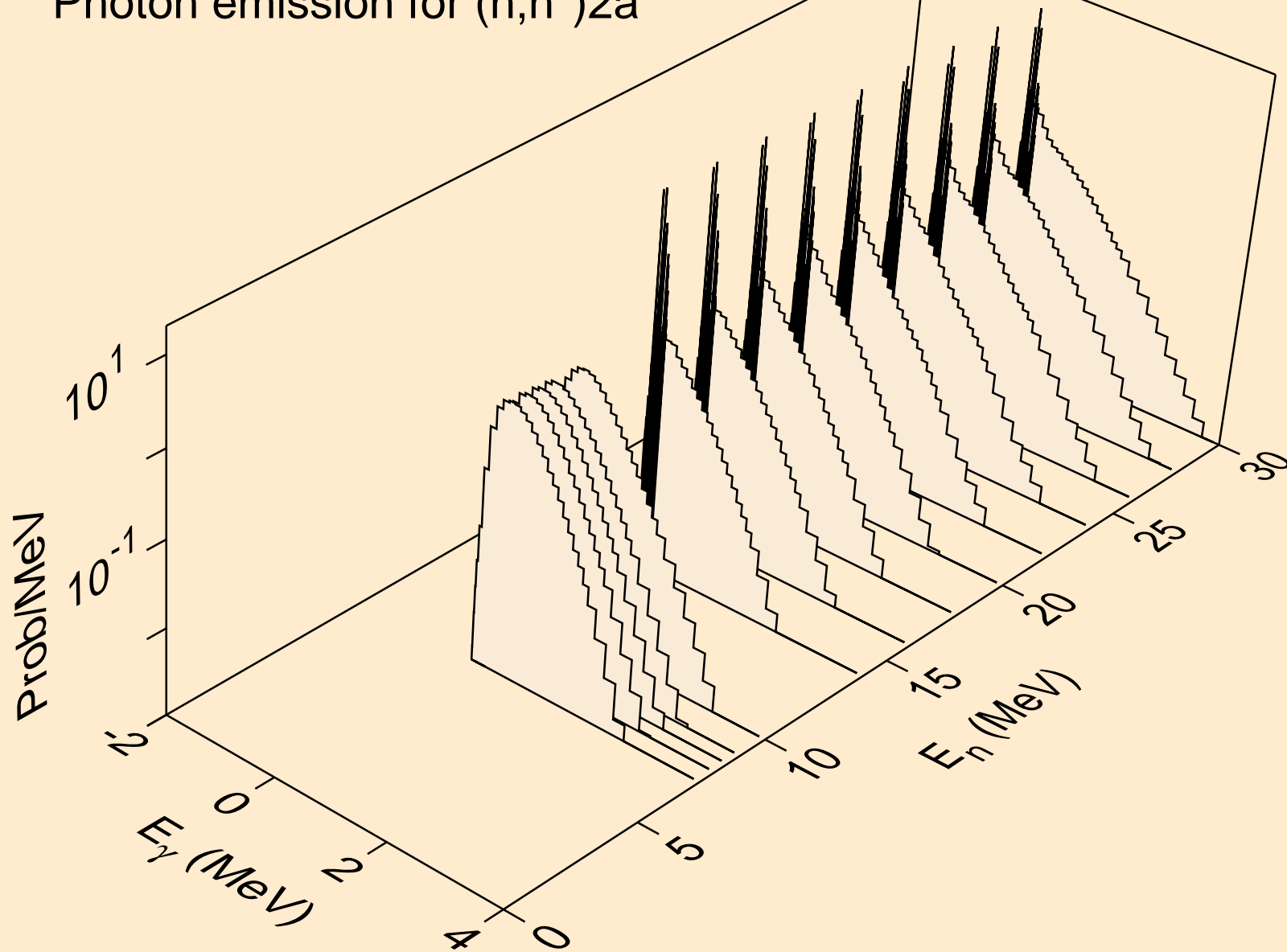
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



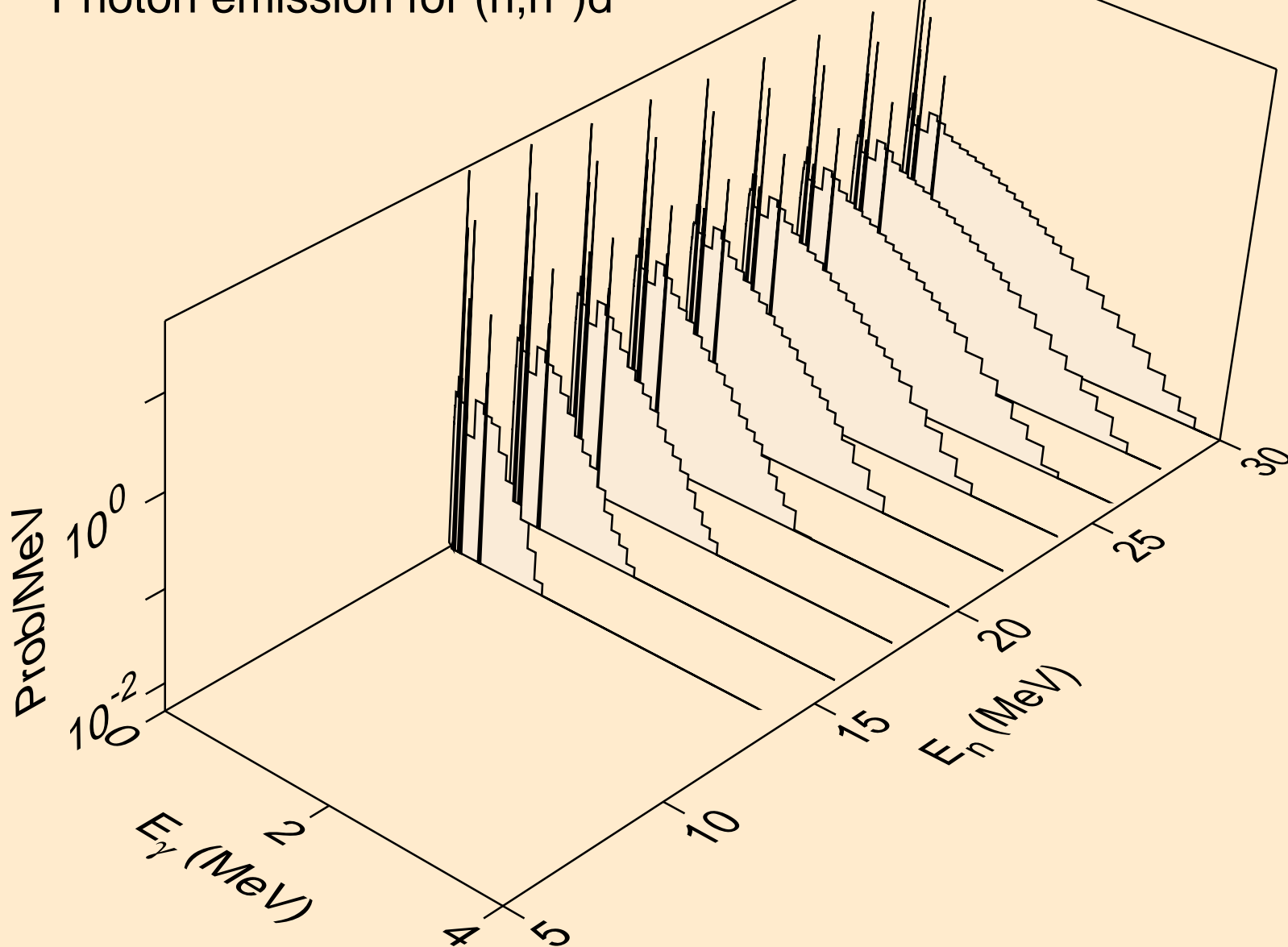
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



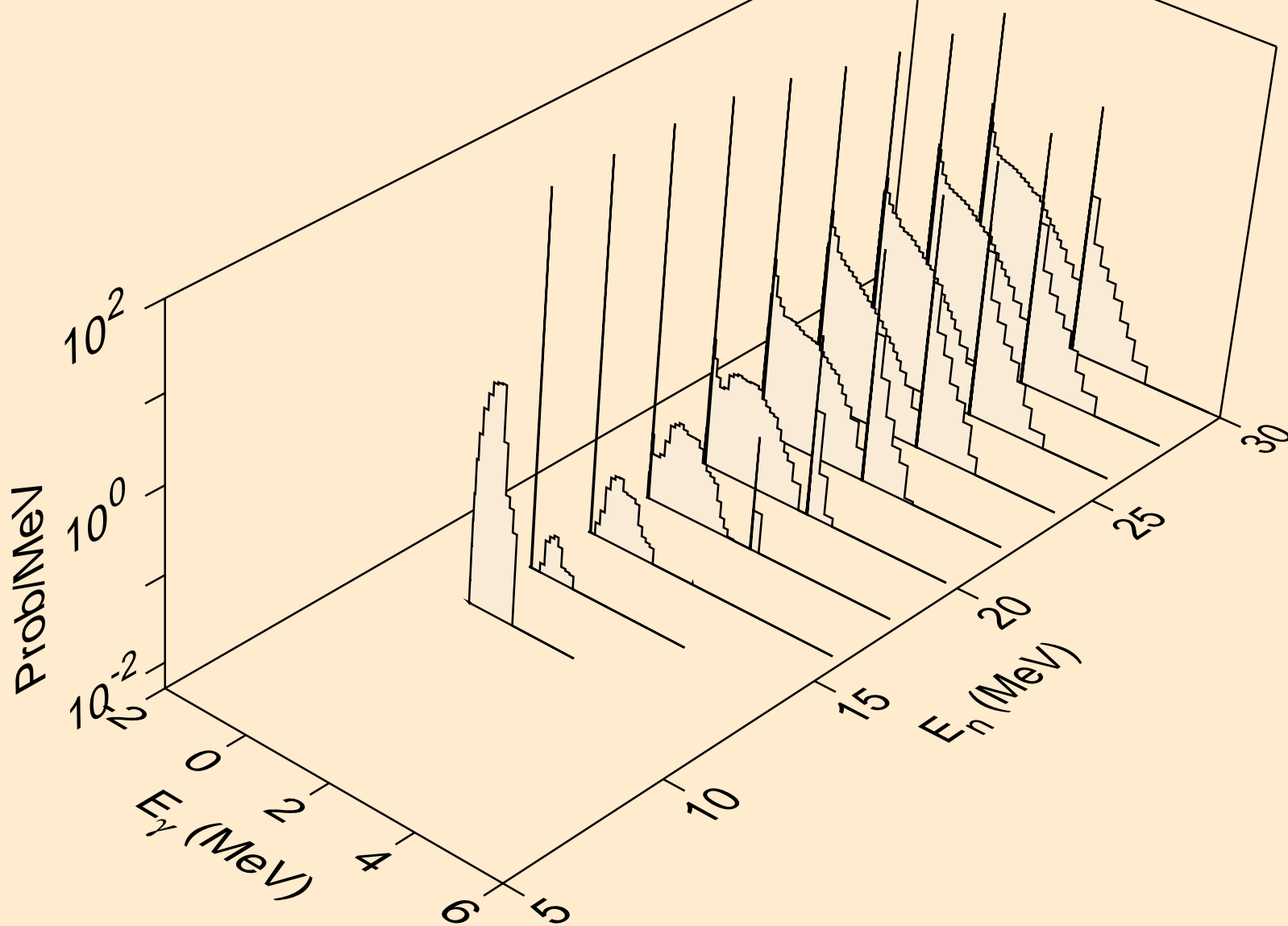
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



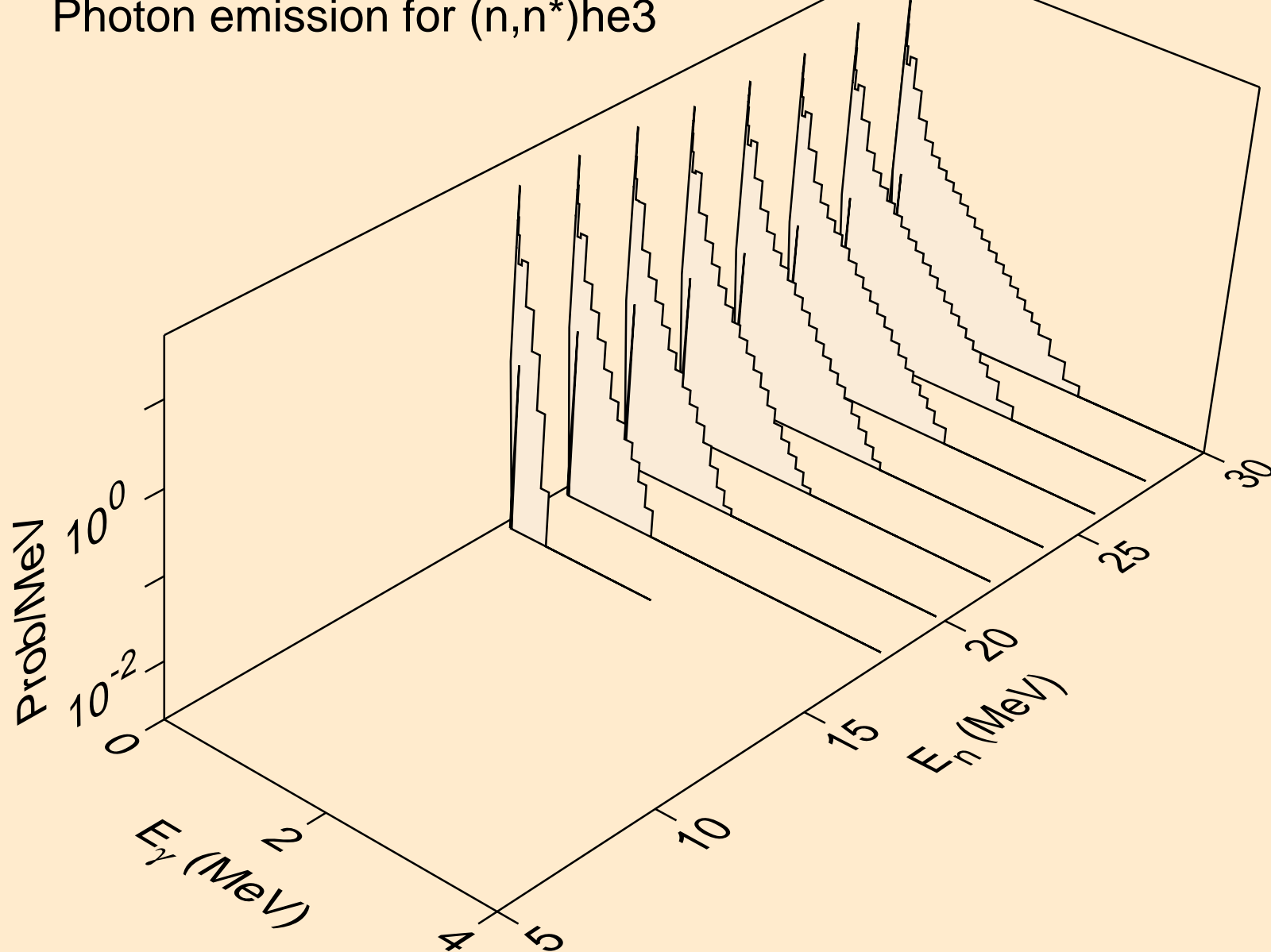
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



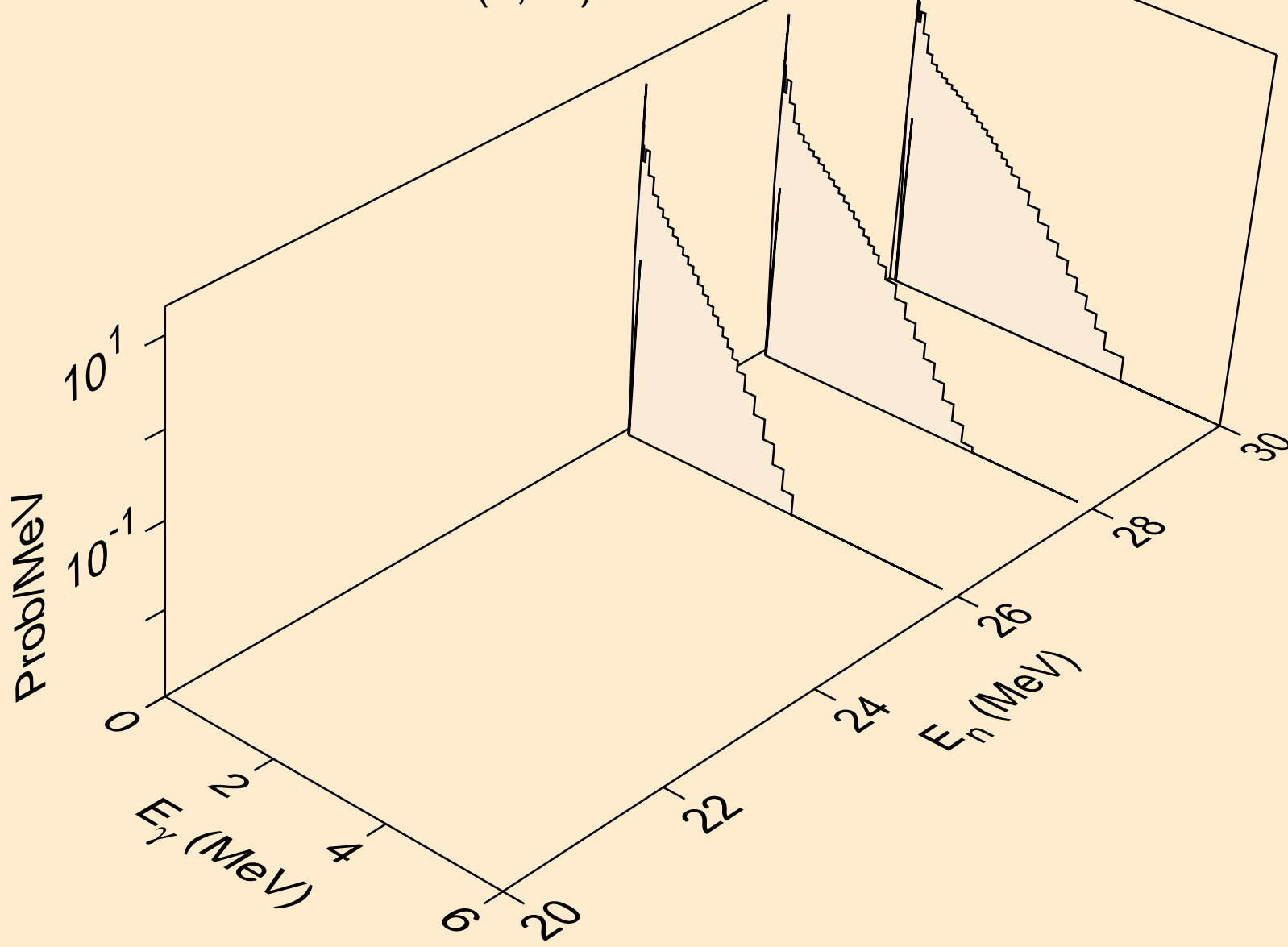
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



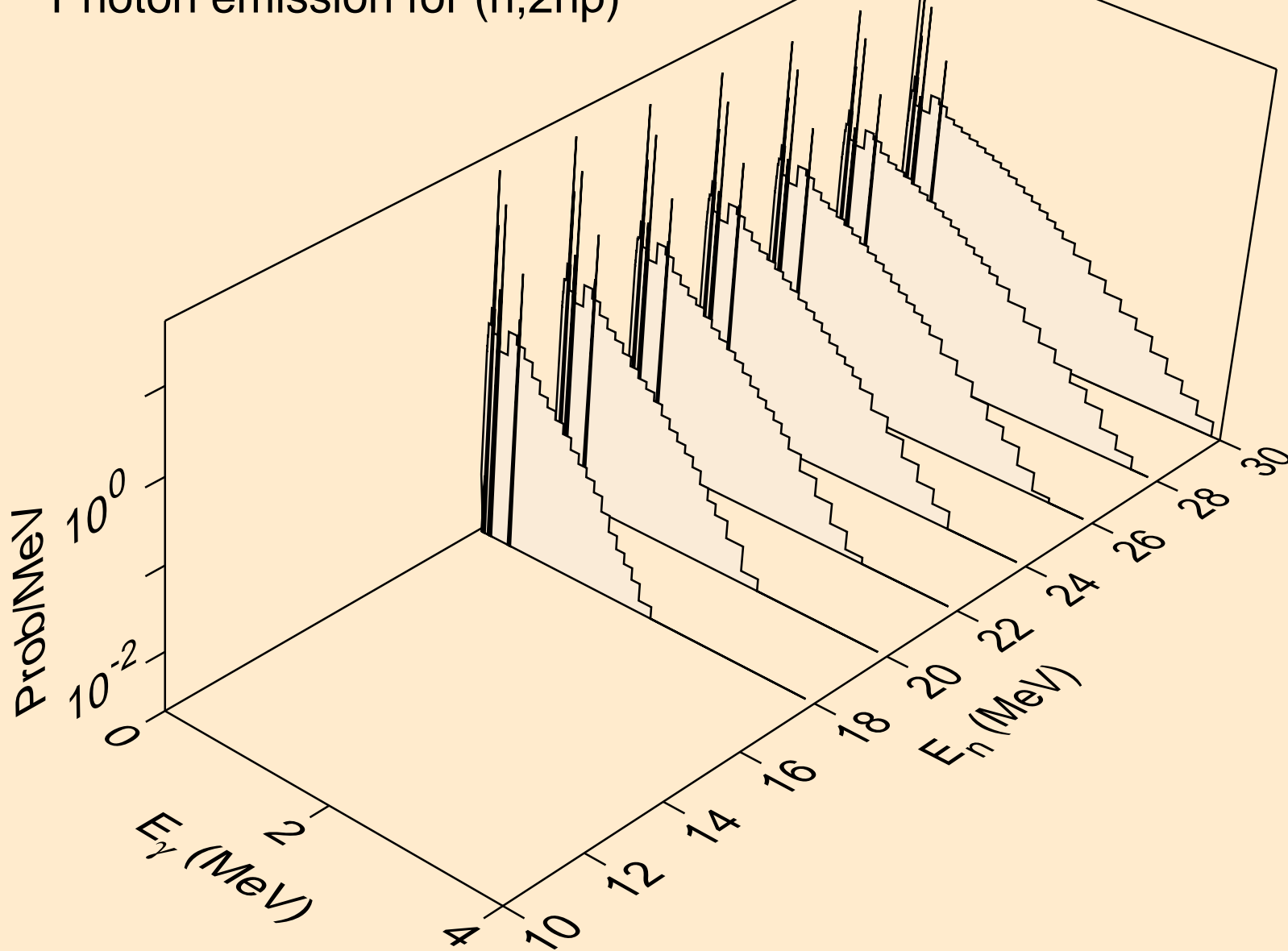
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



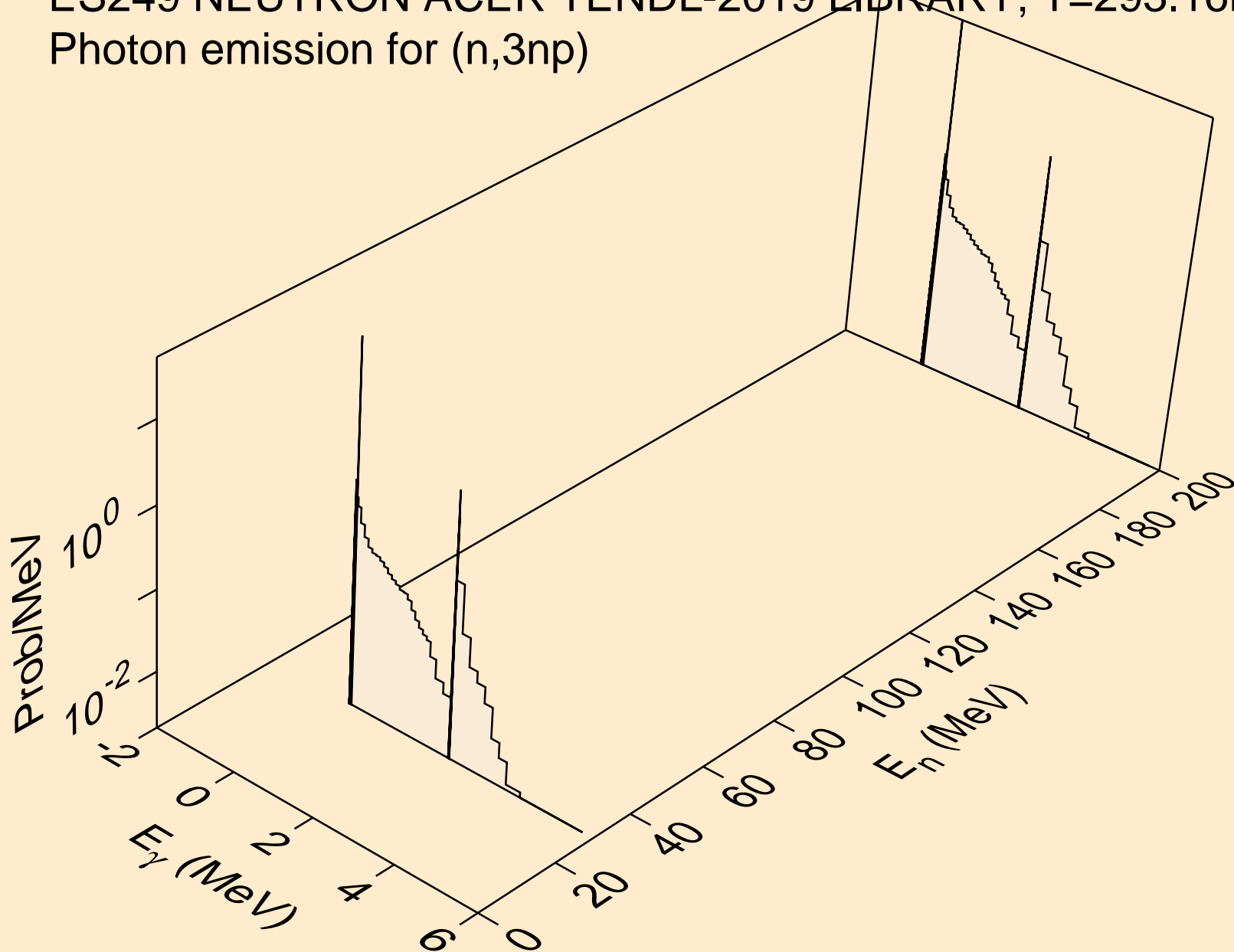
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



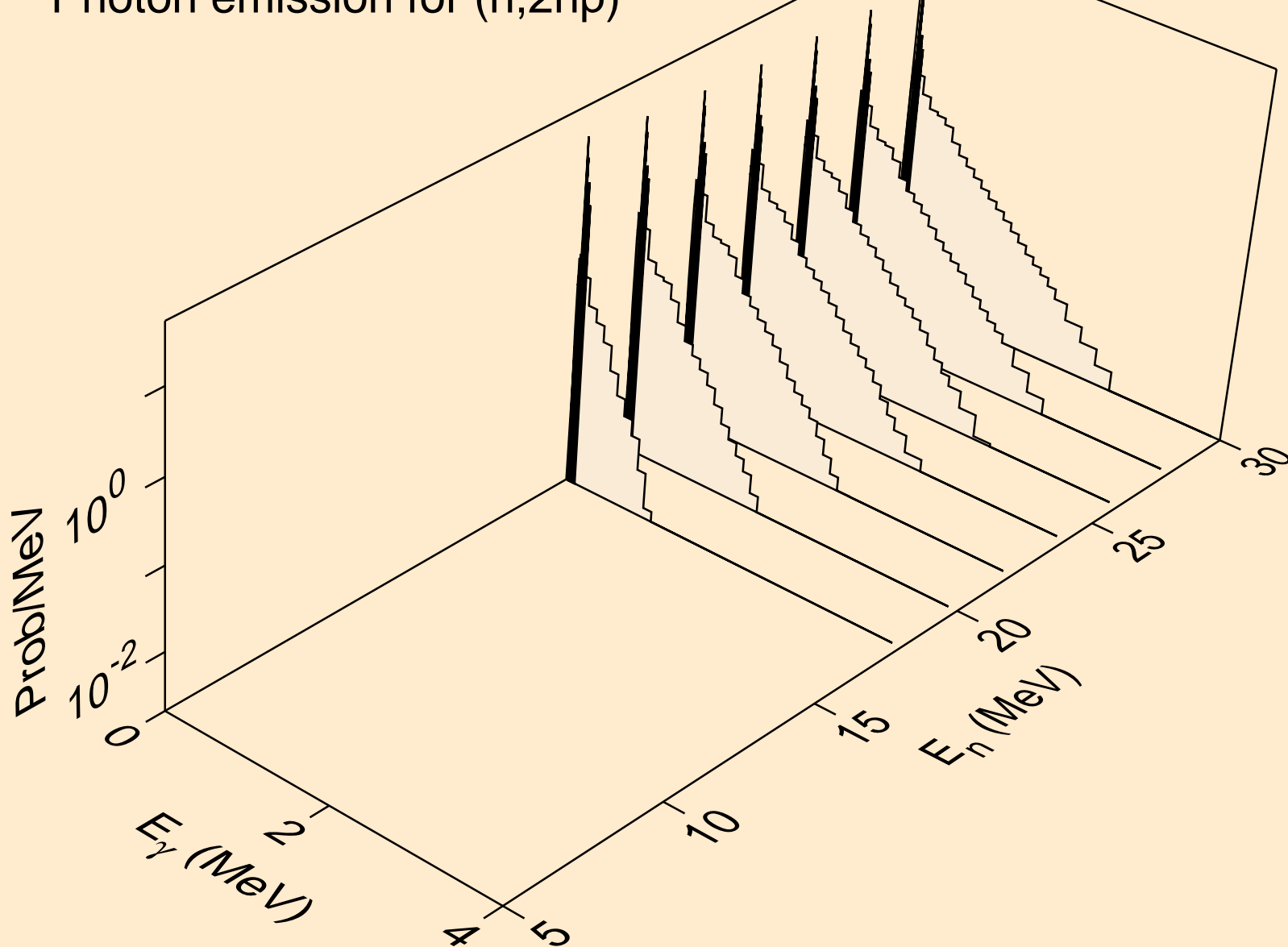
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Photon emission for (n,2np)



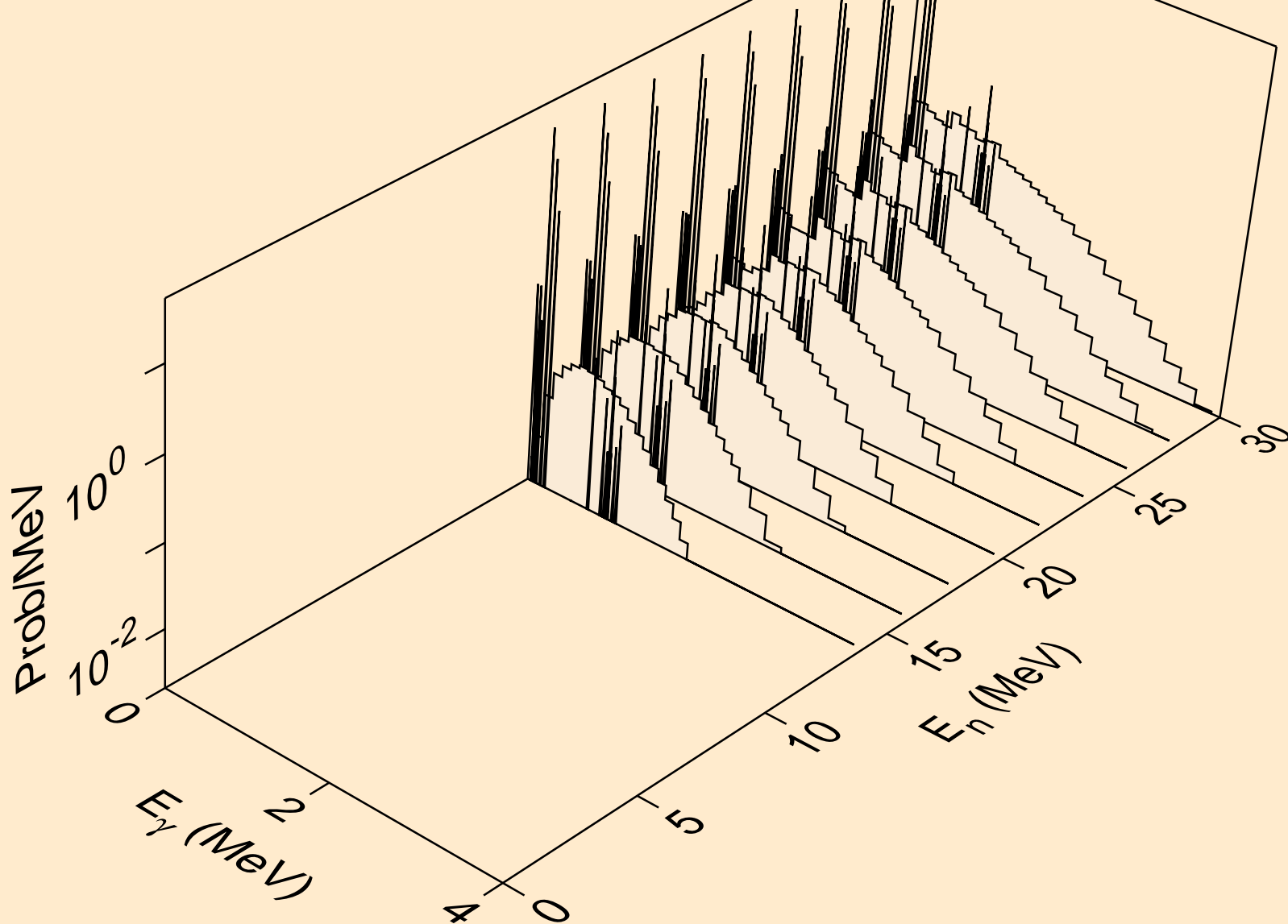
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



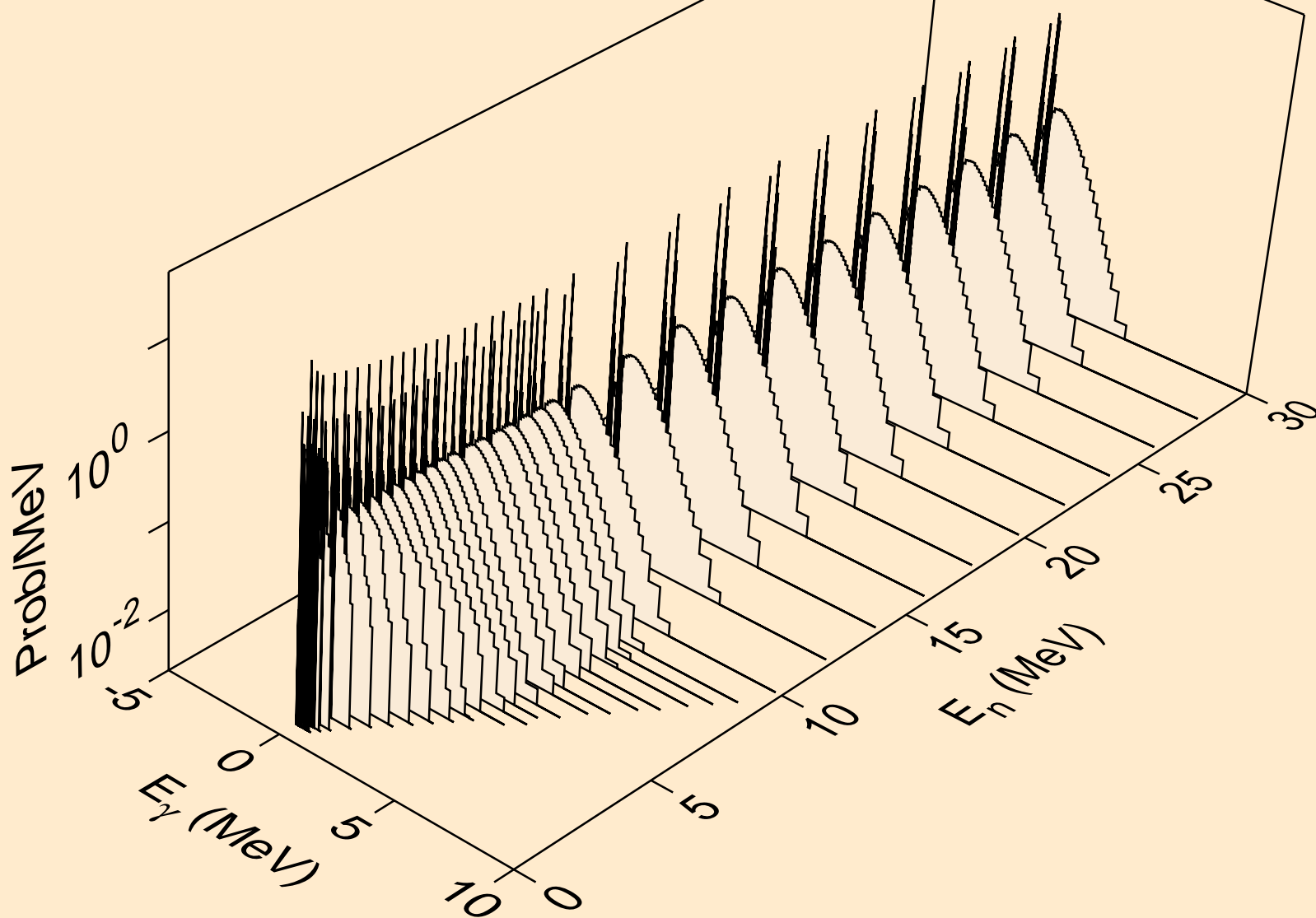
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



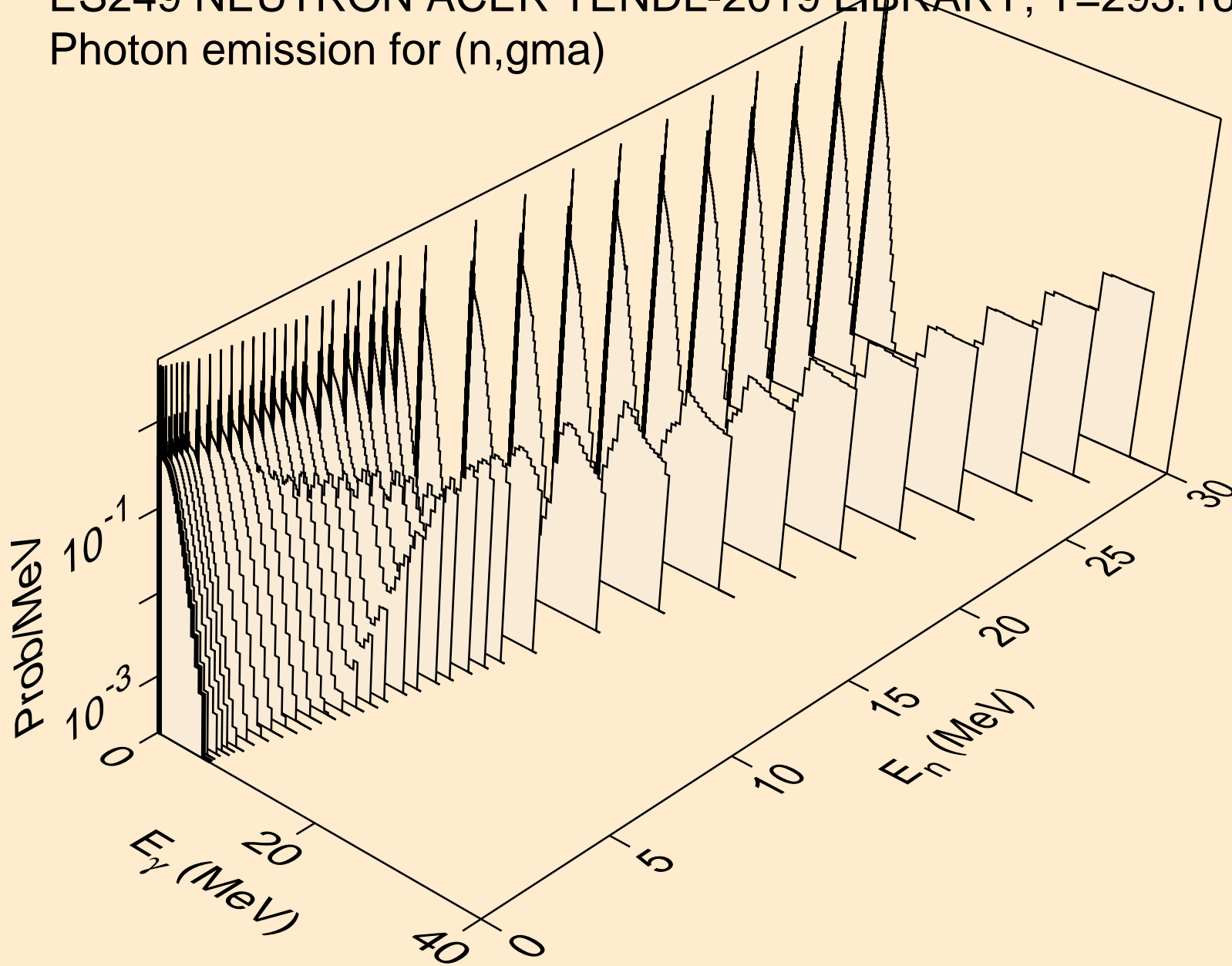
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



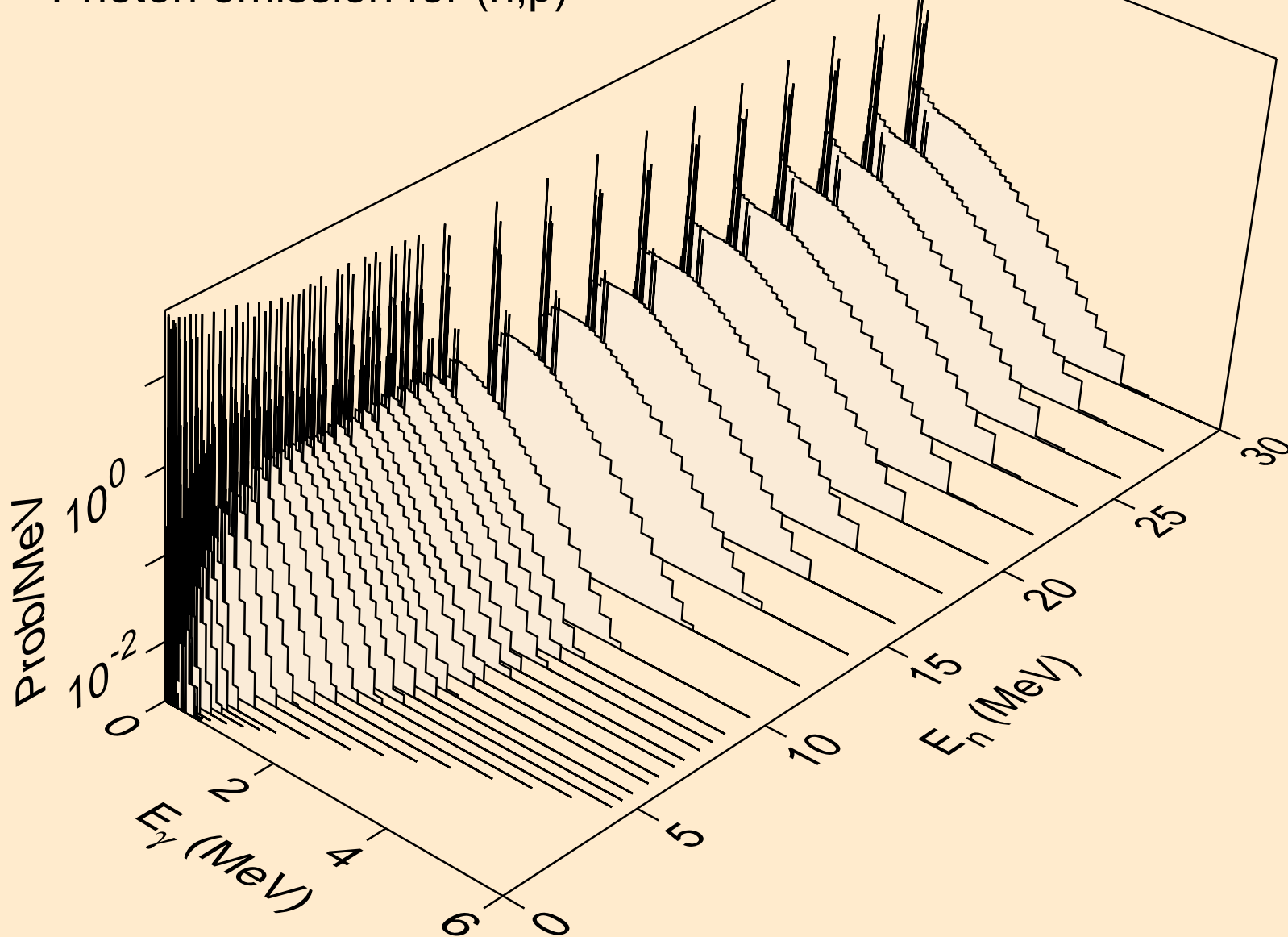
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



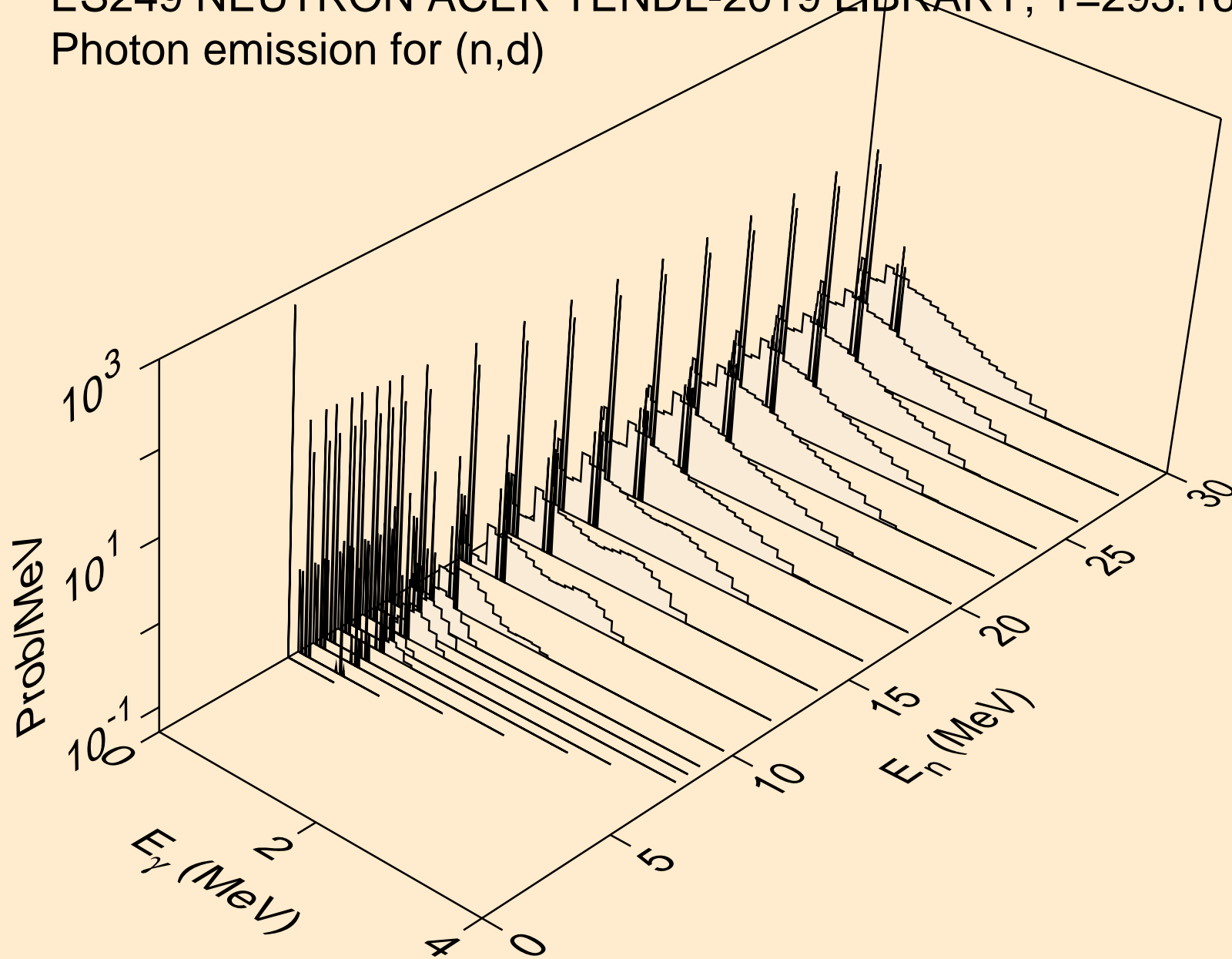
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



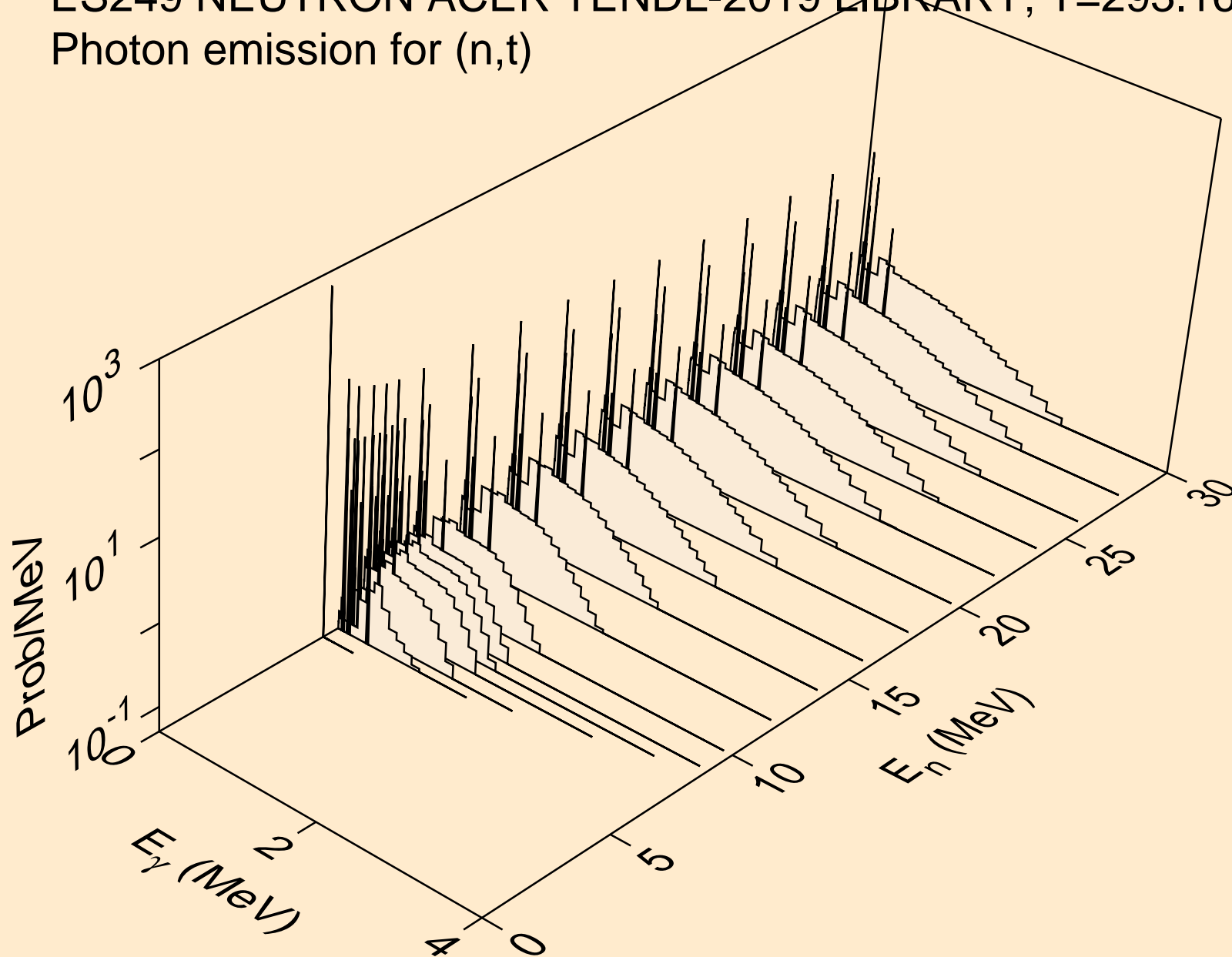
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



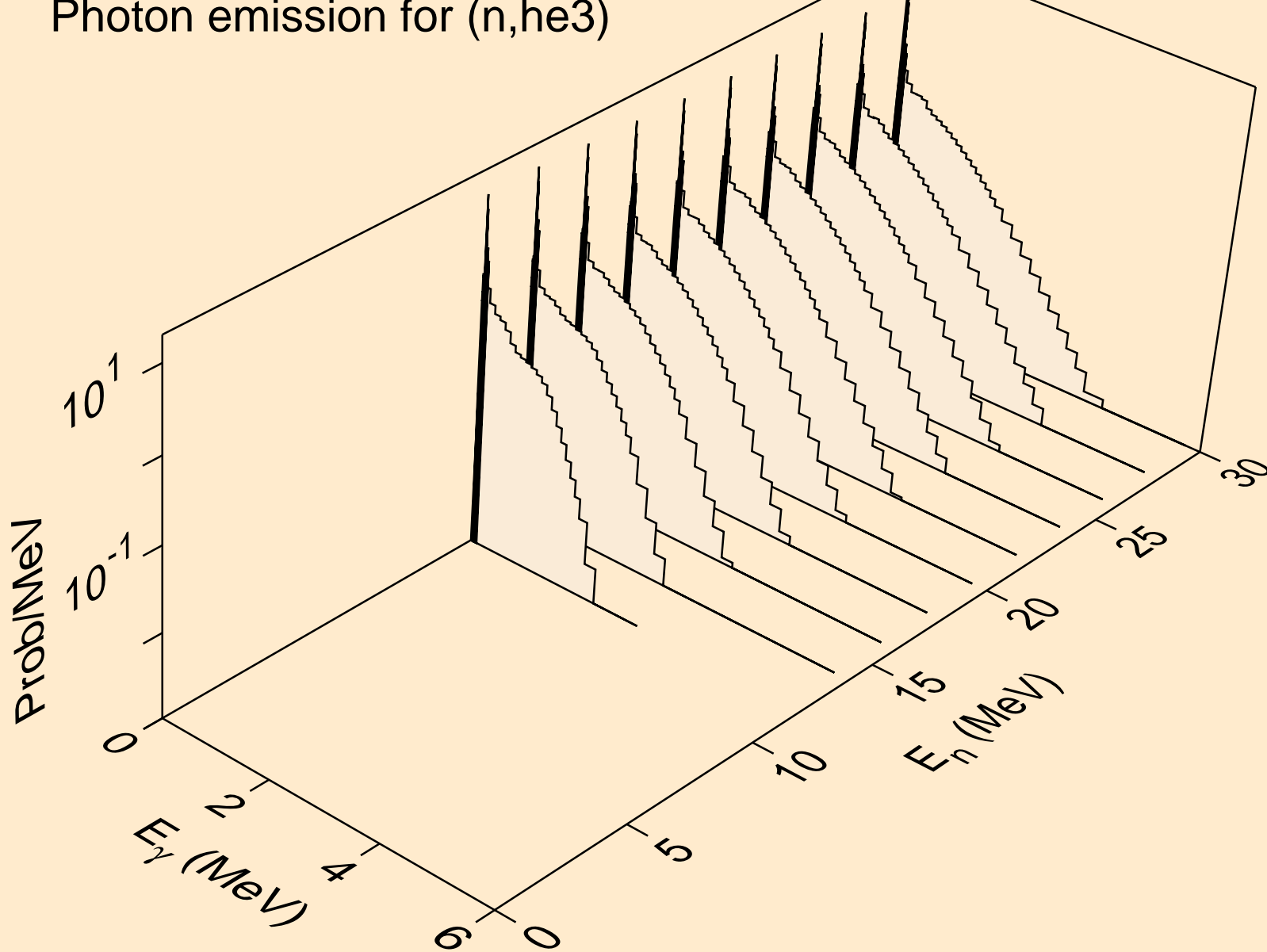
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



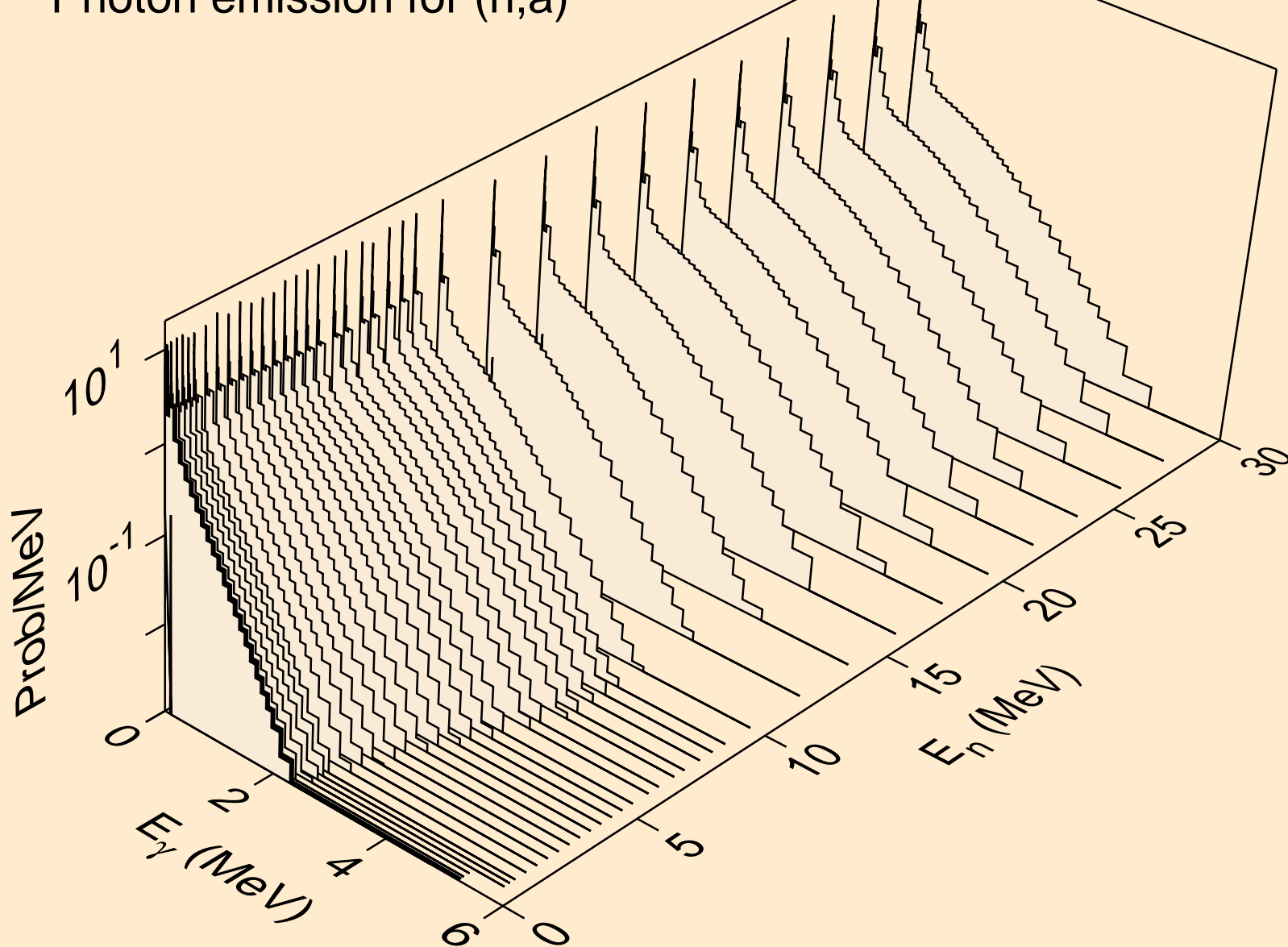
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



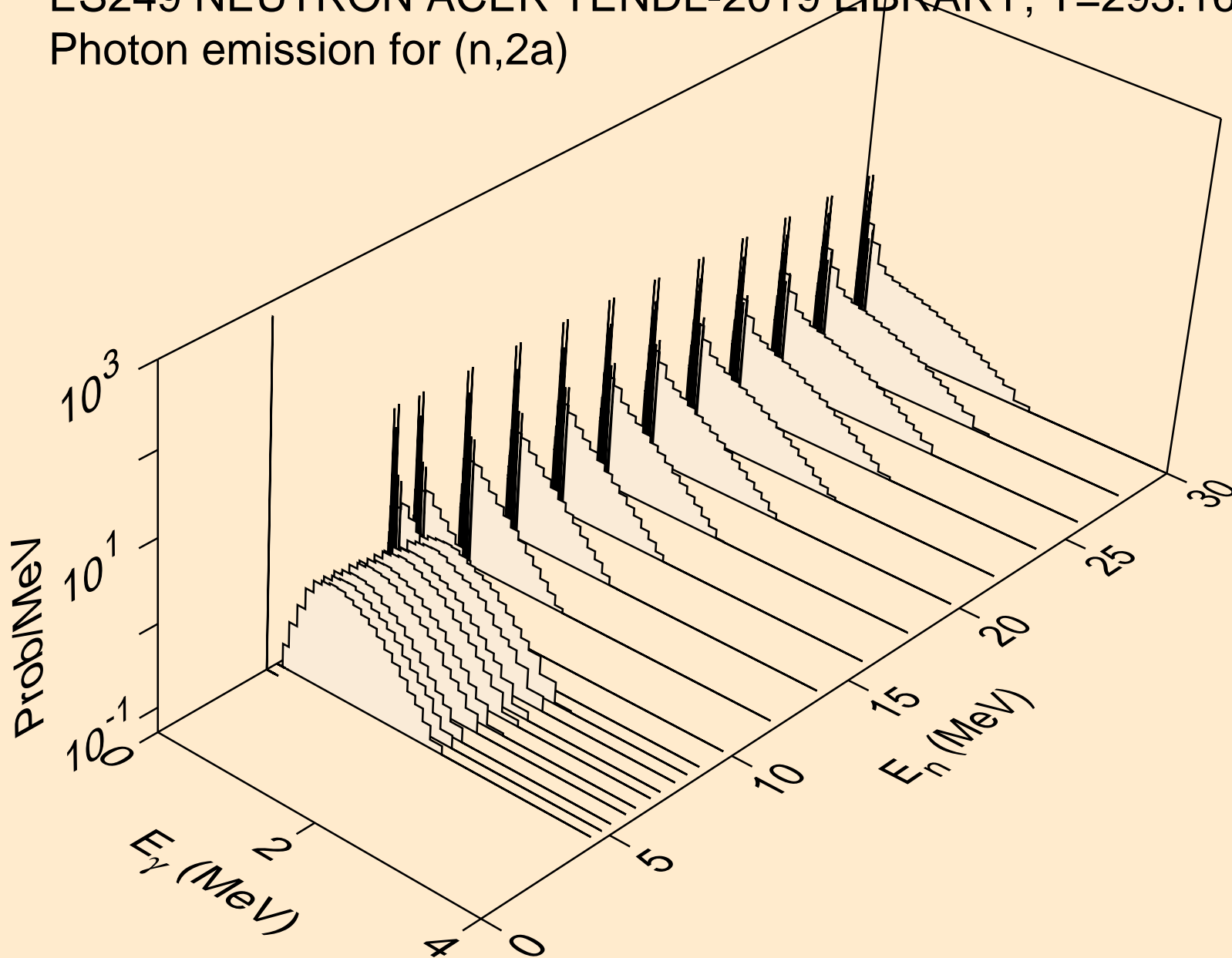
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



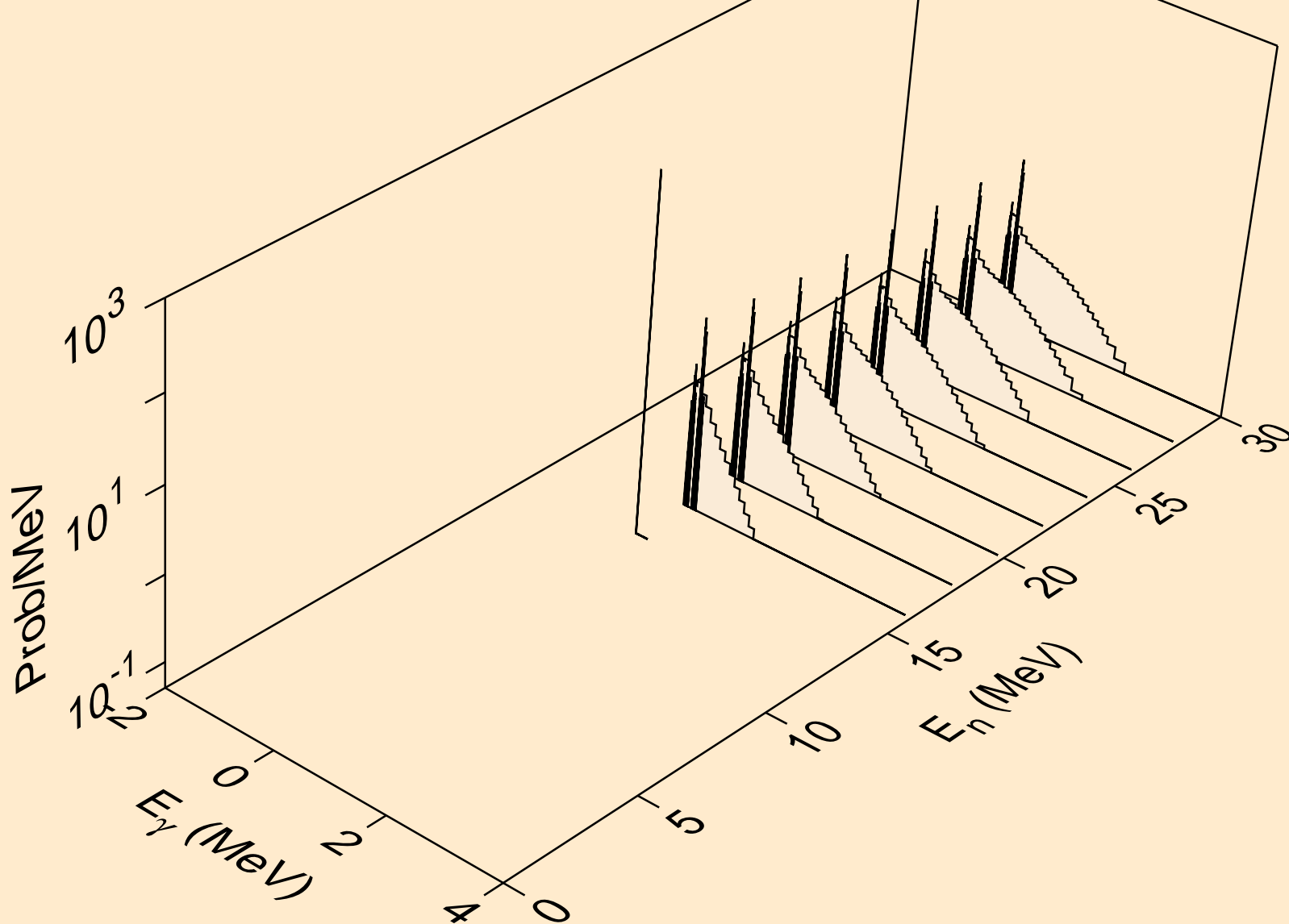
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



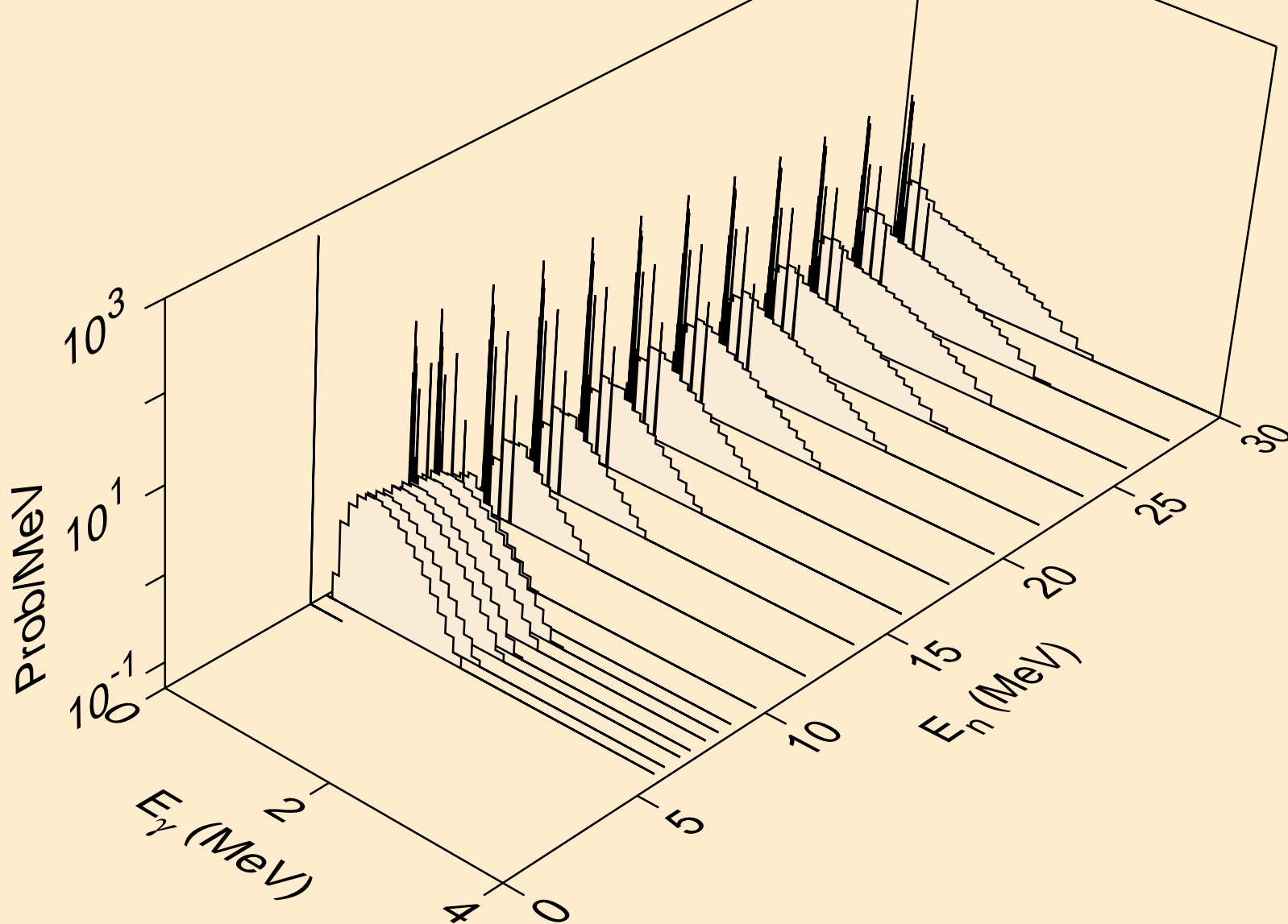
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



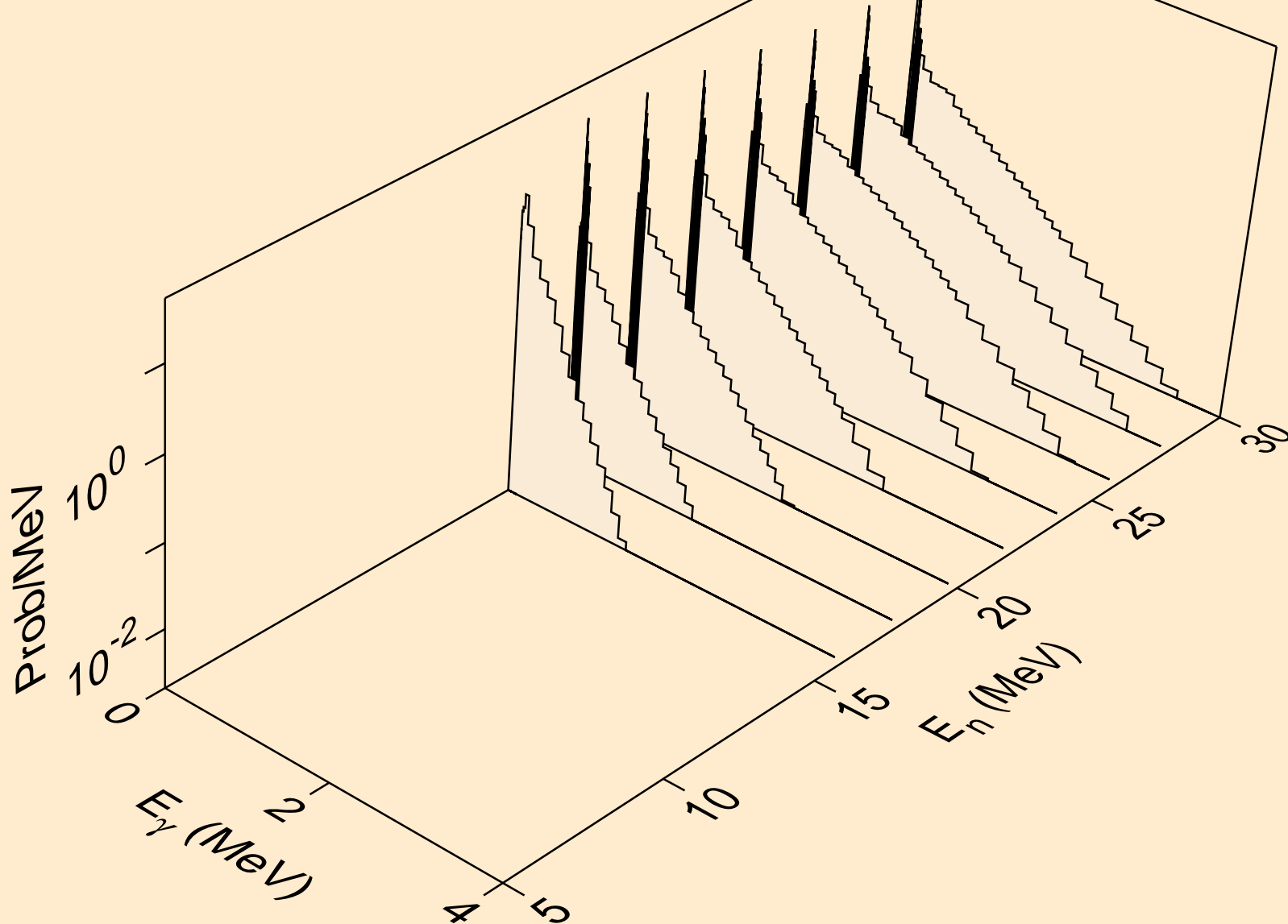
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



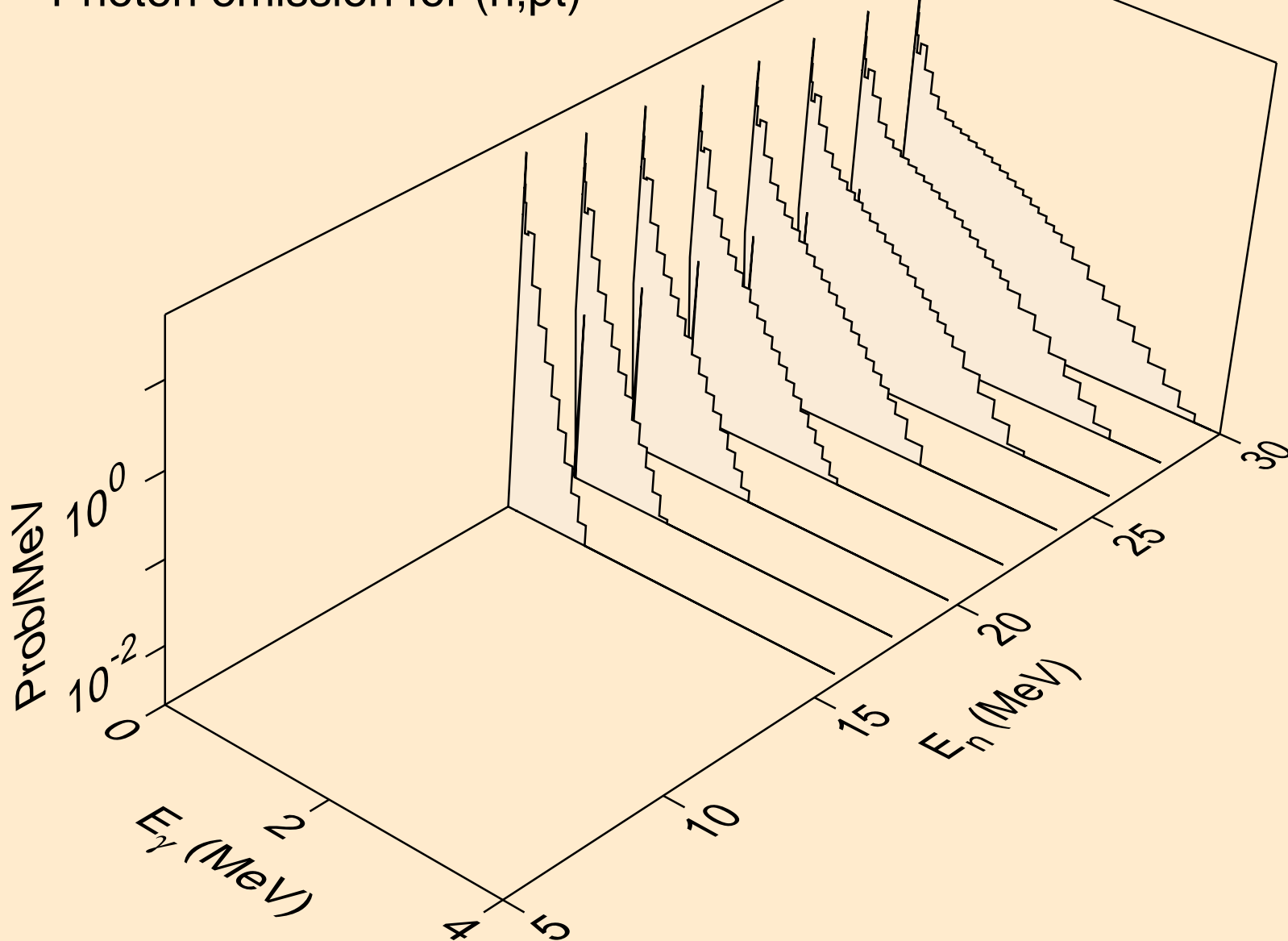
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



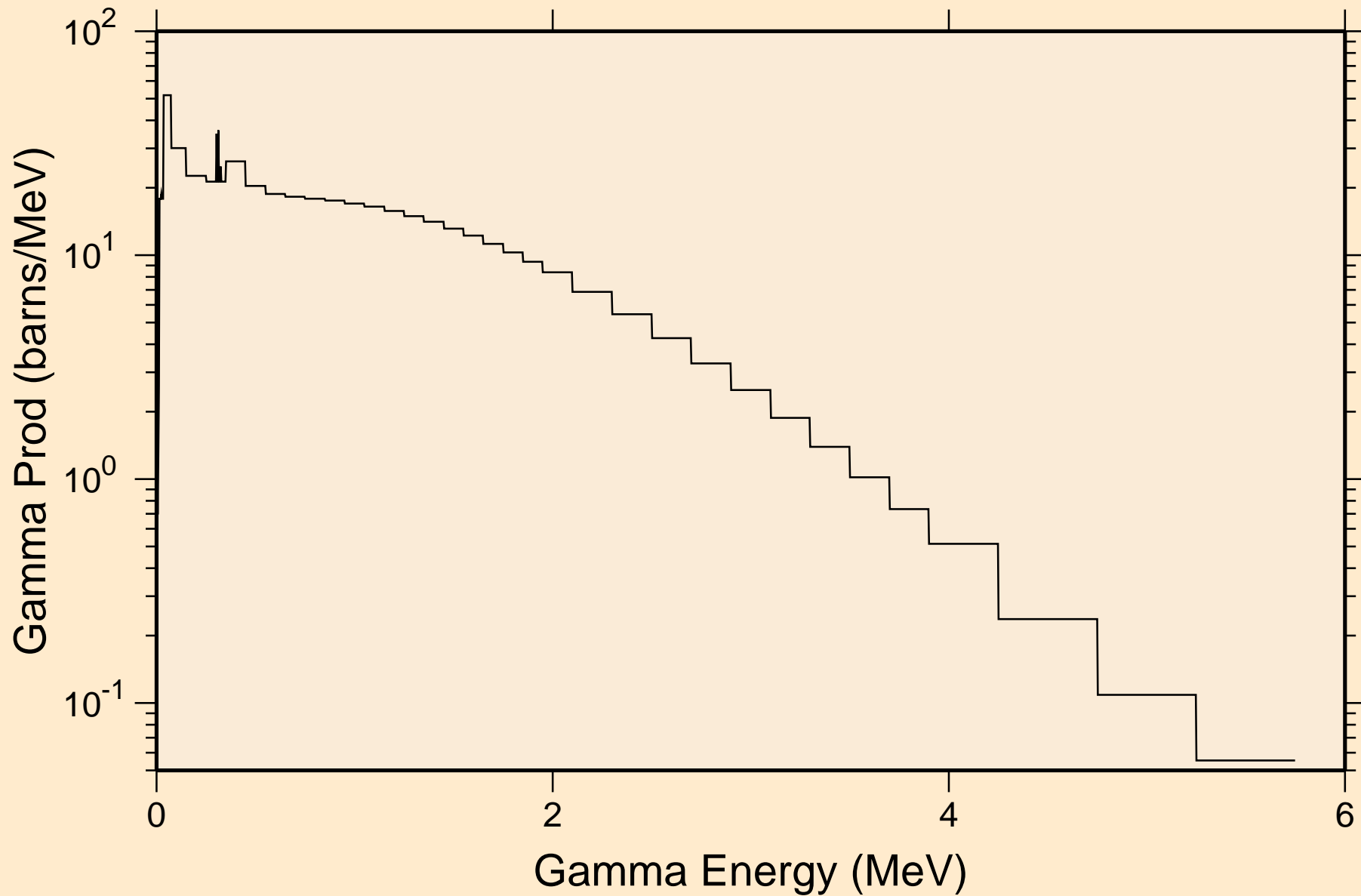
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



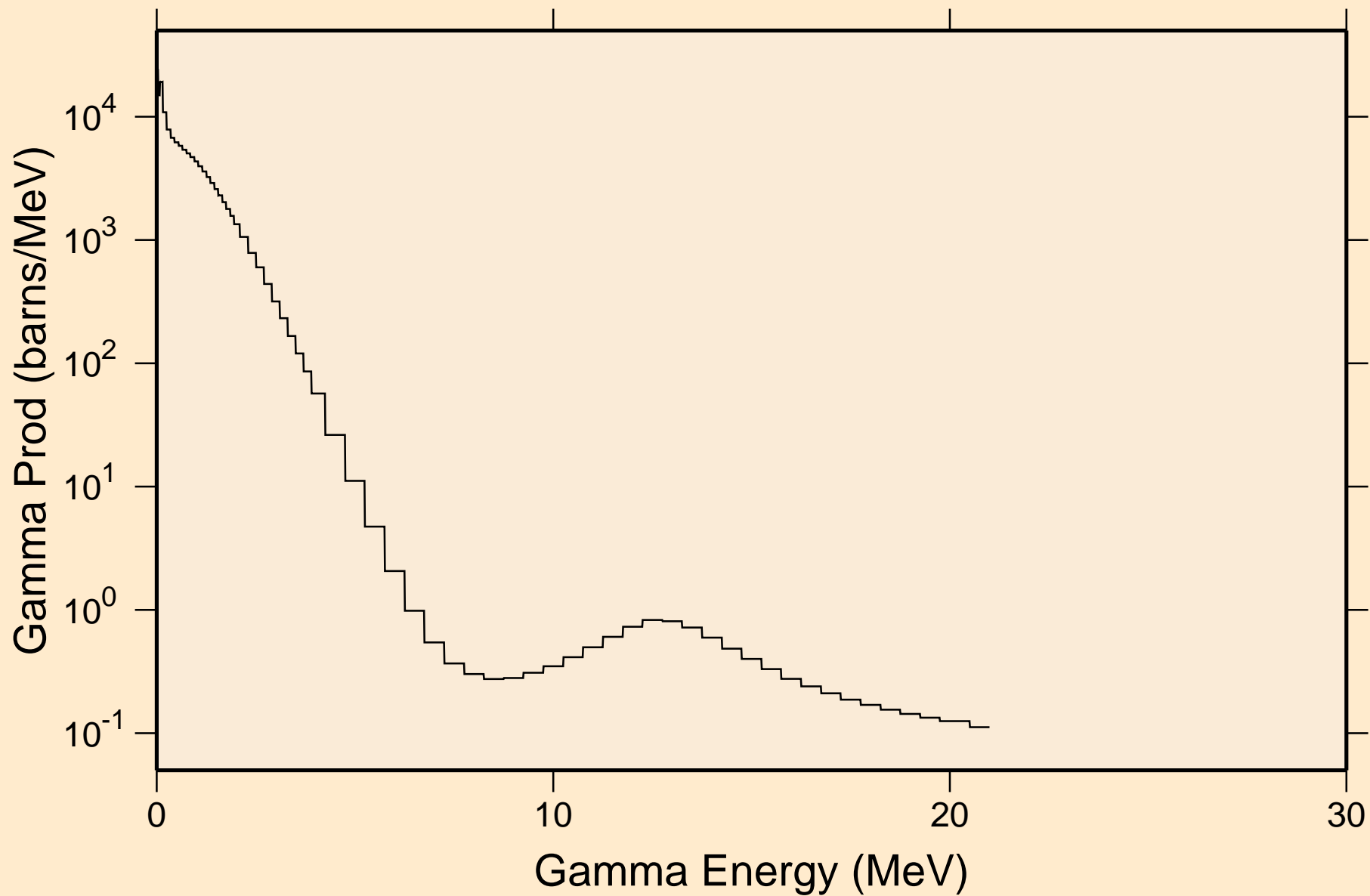
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

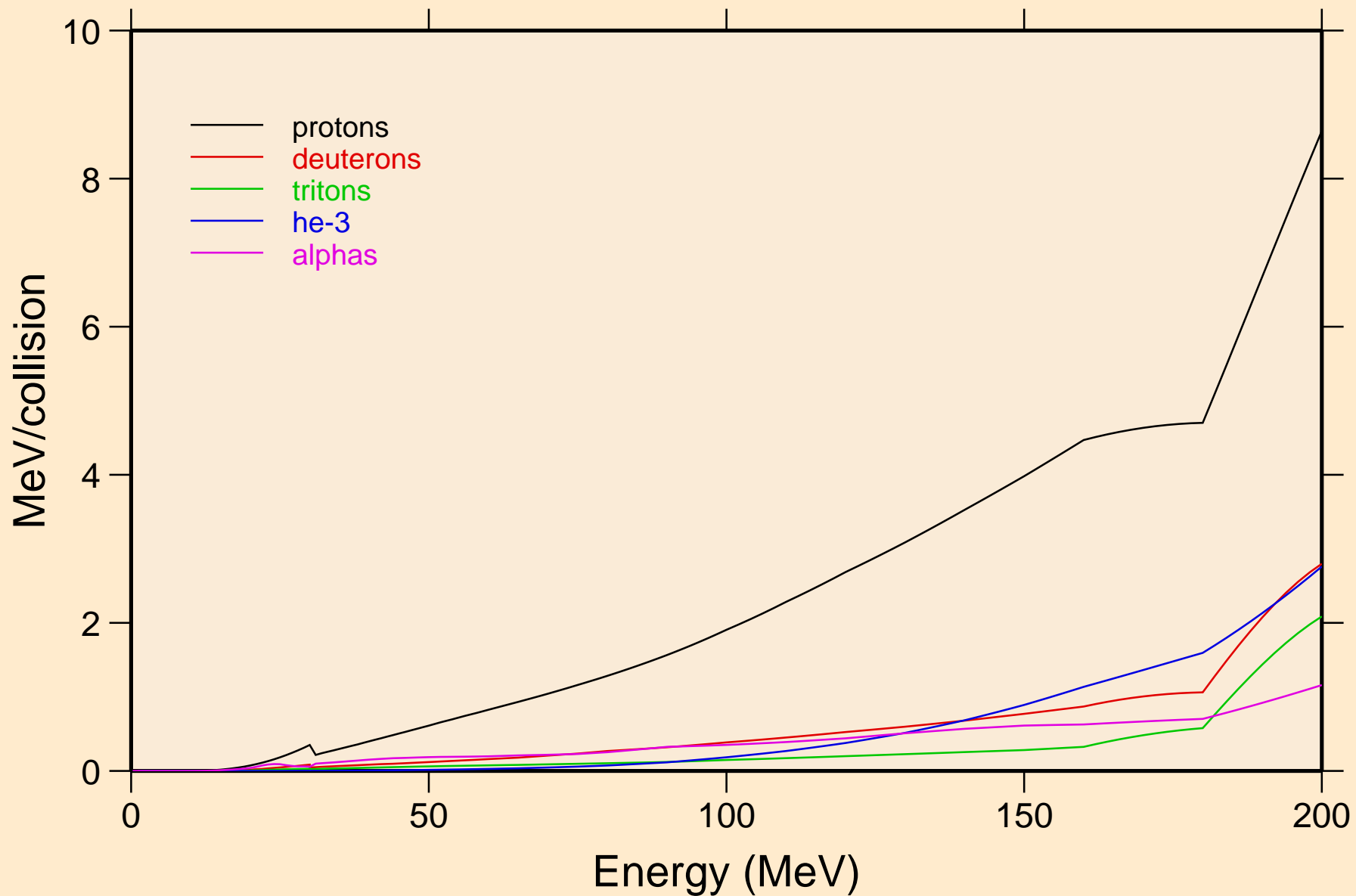


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

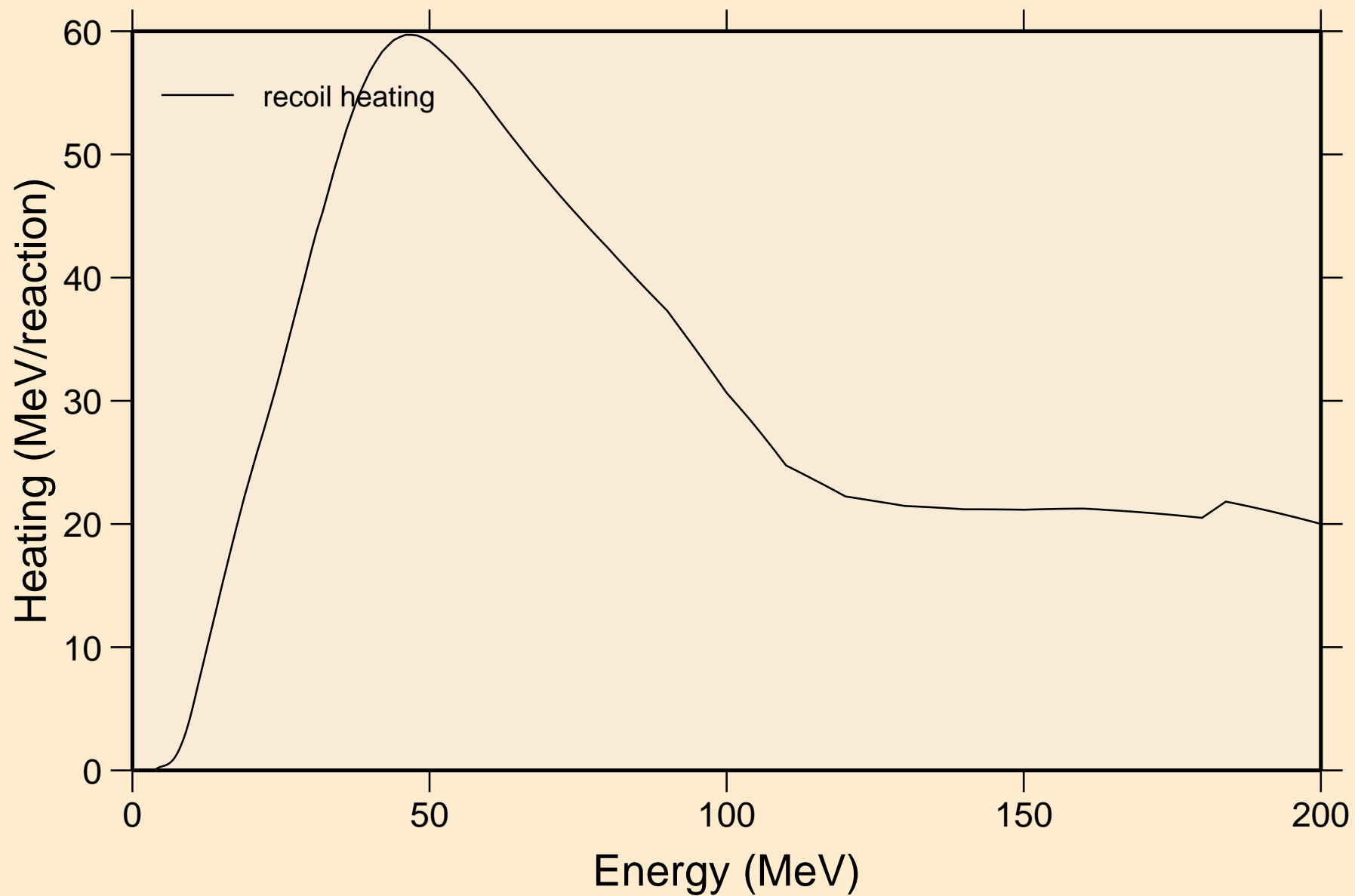


ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

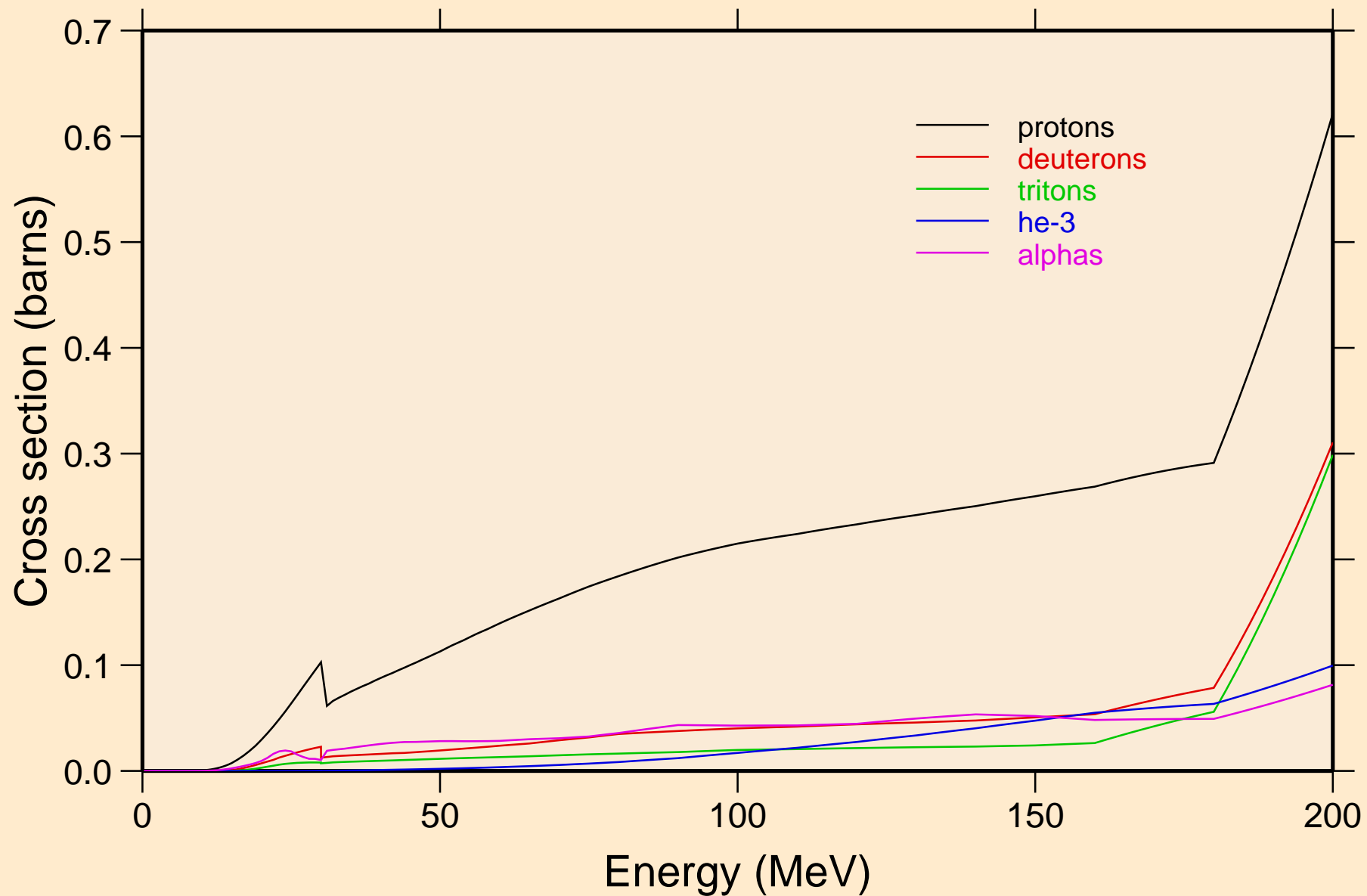
Particle heating contributions



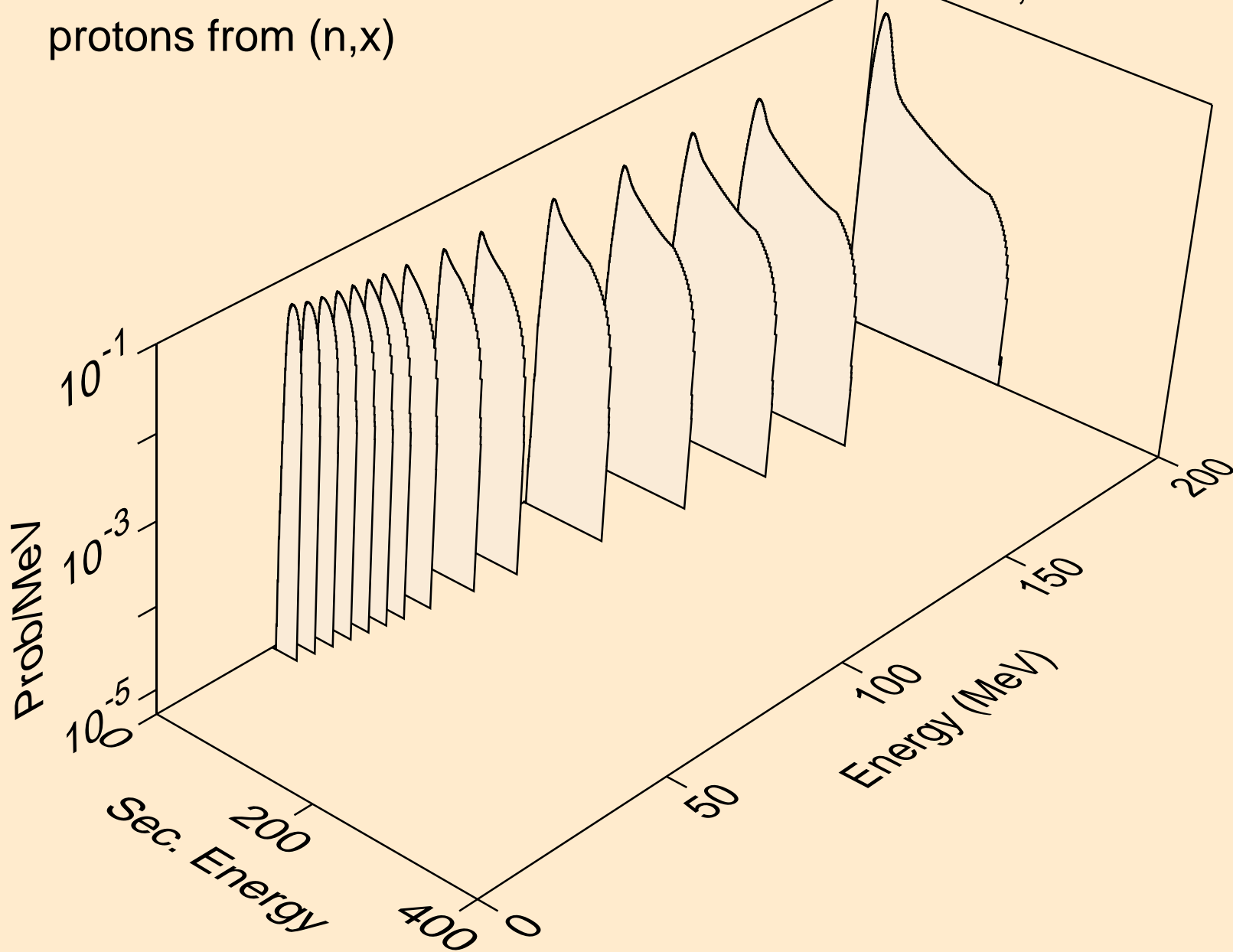
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



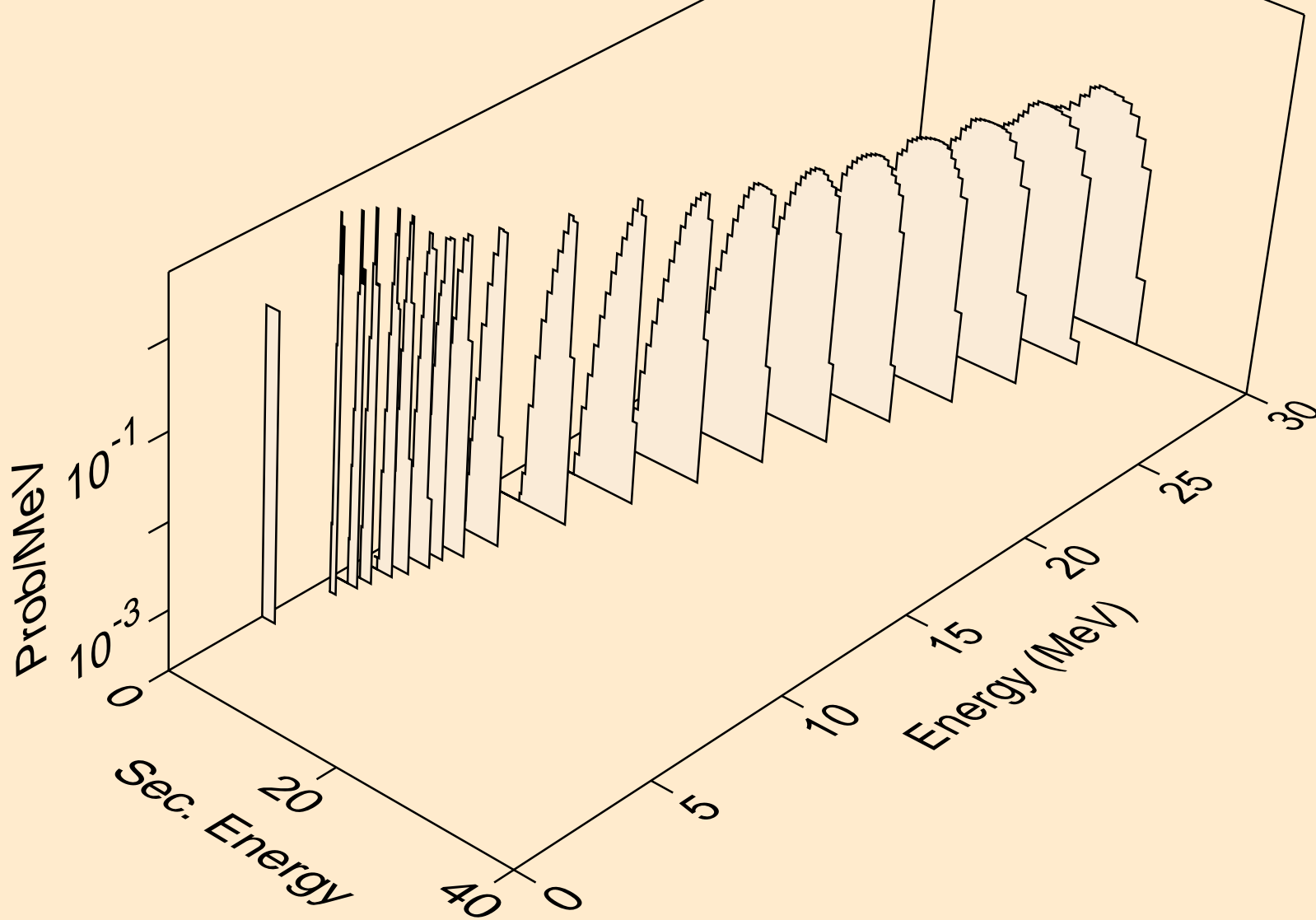
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



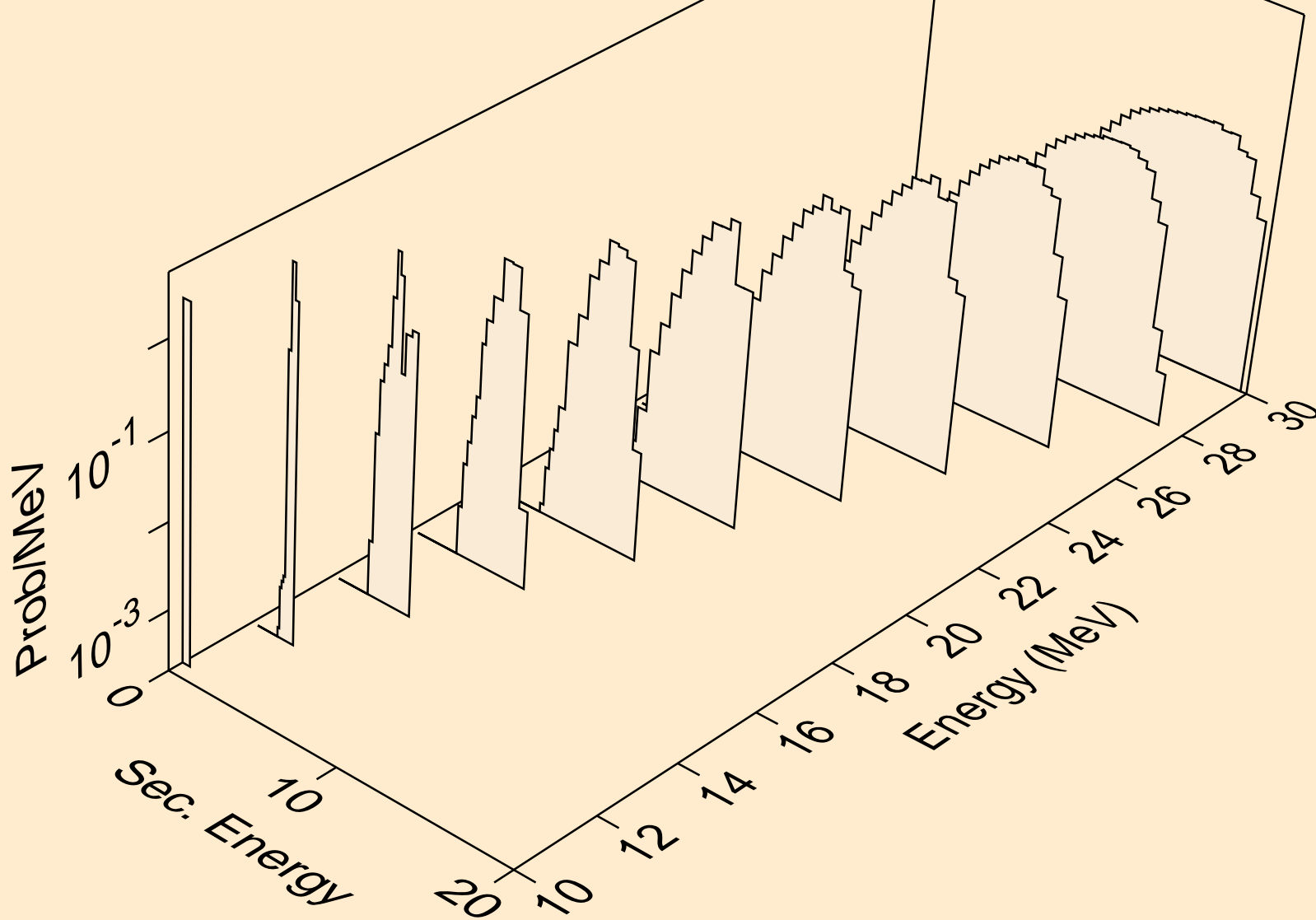
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



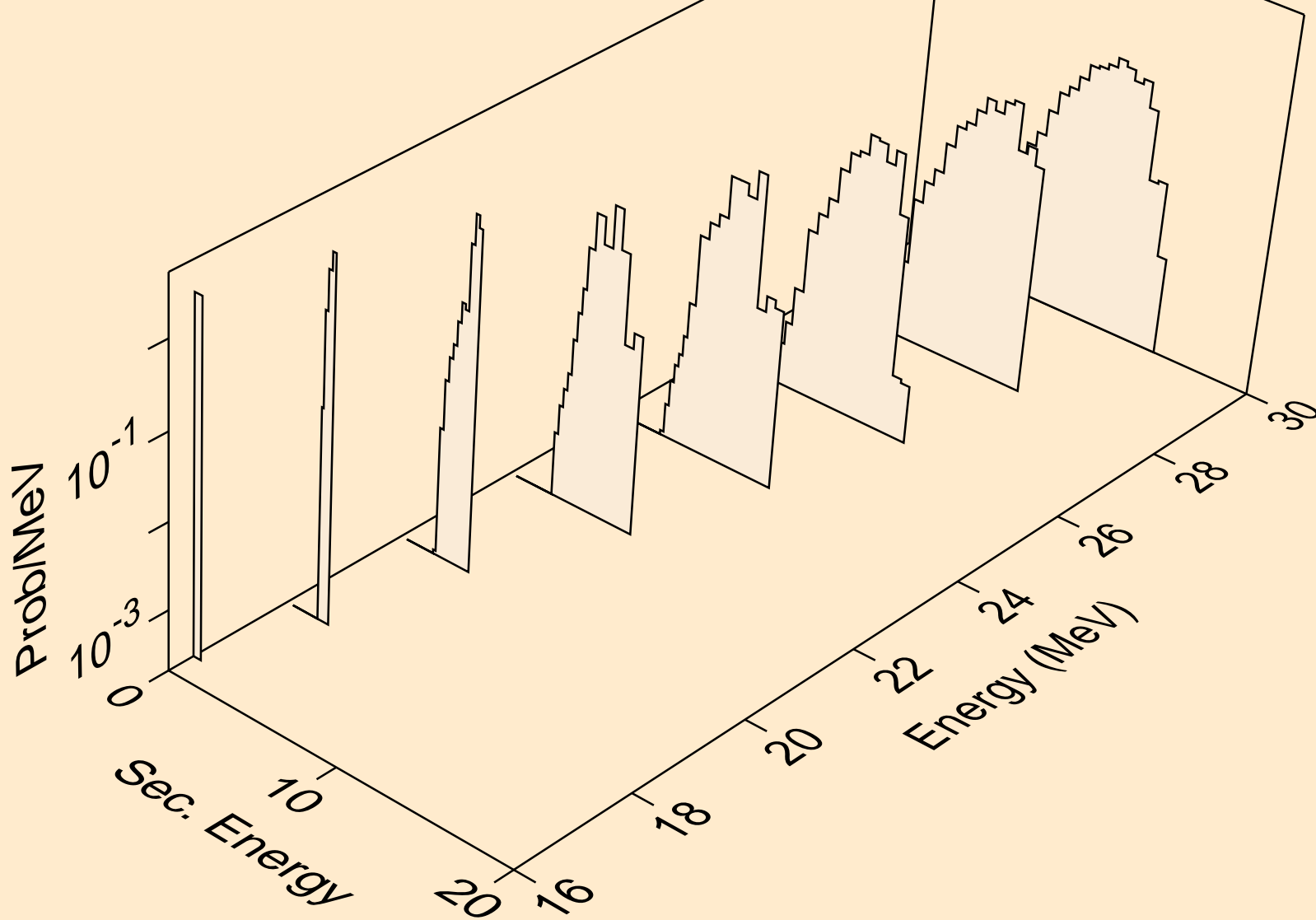
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



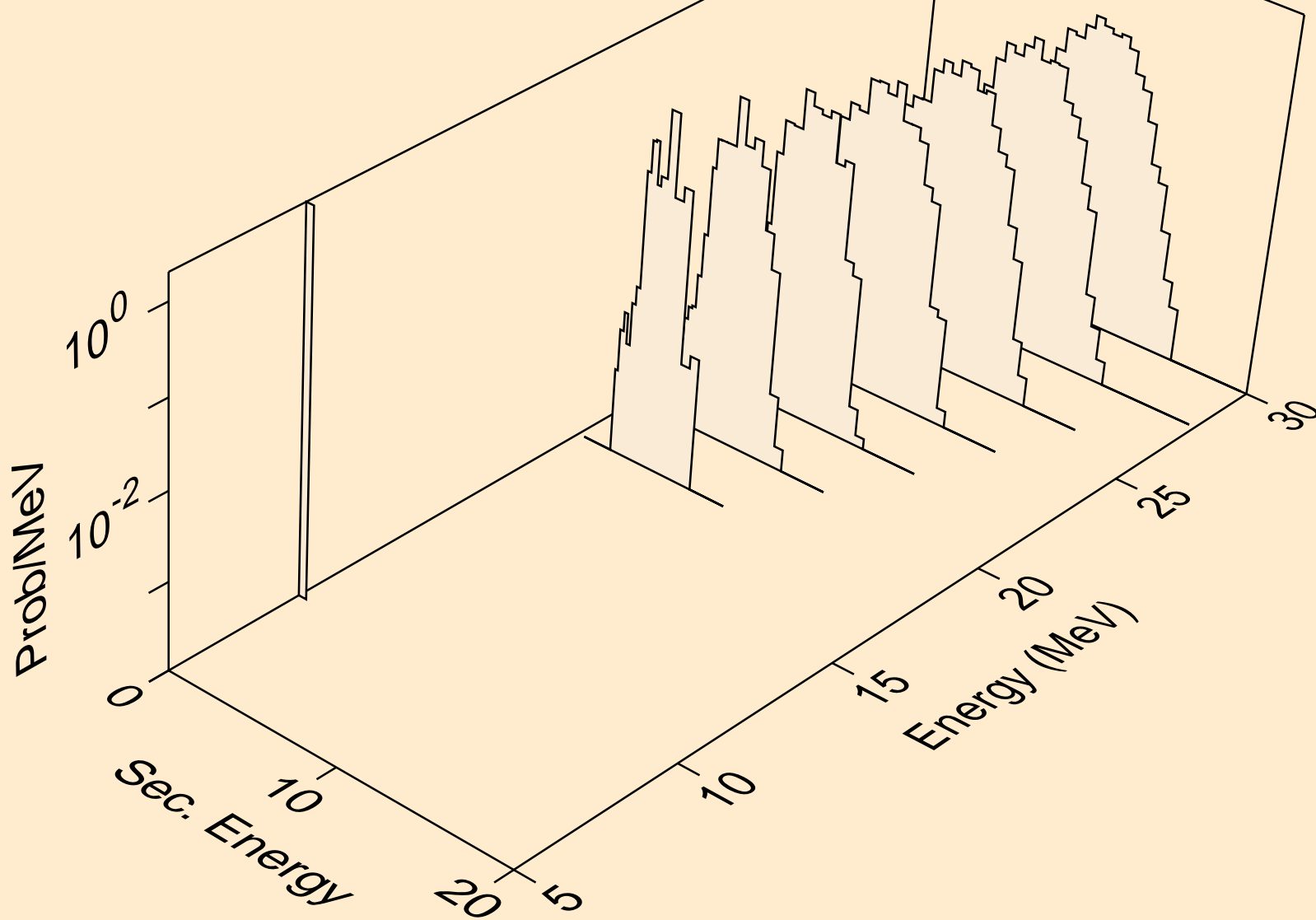
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protons from (n,2np)



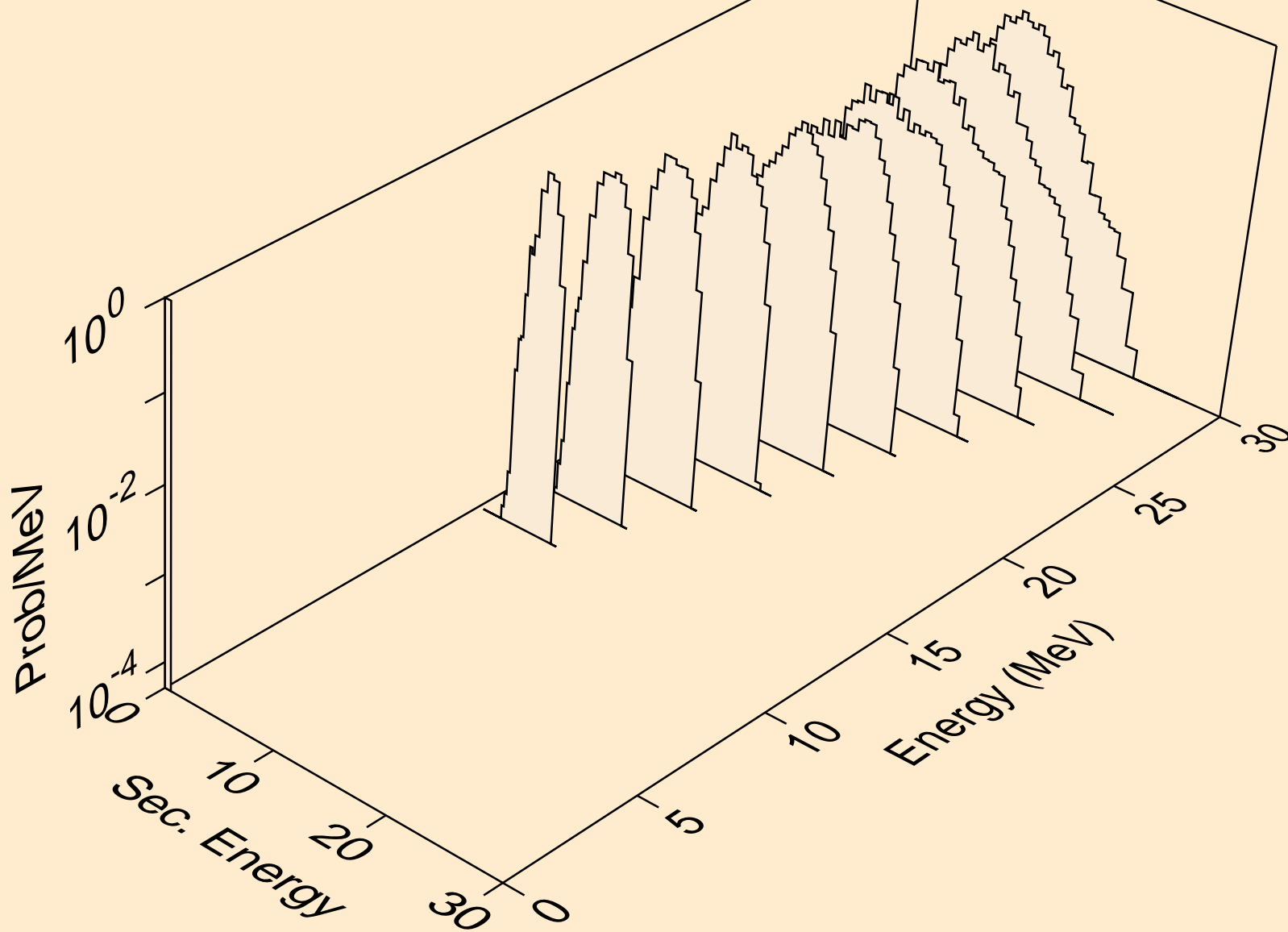
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



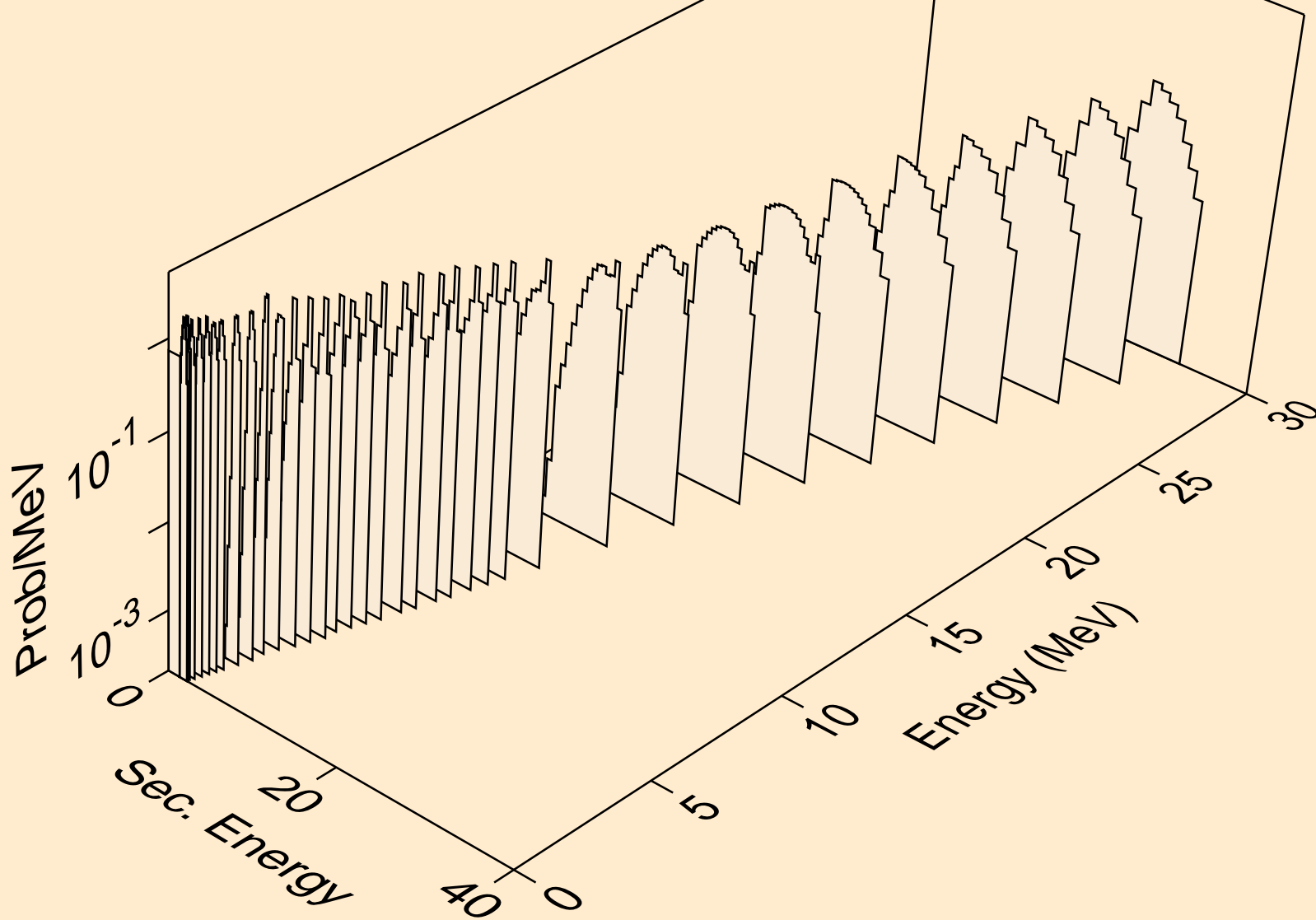
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protons from (n,2np)



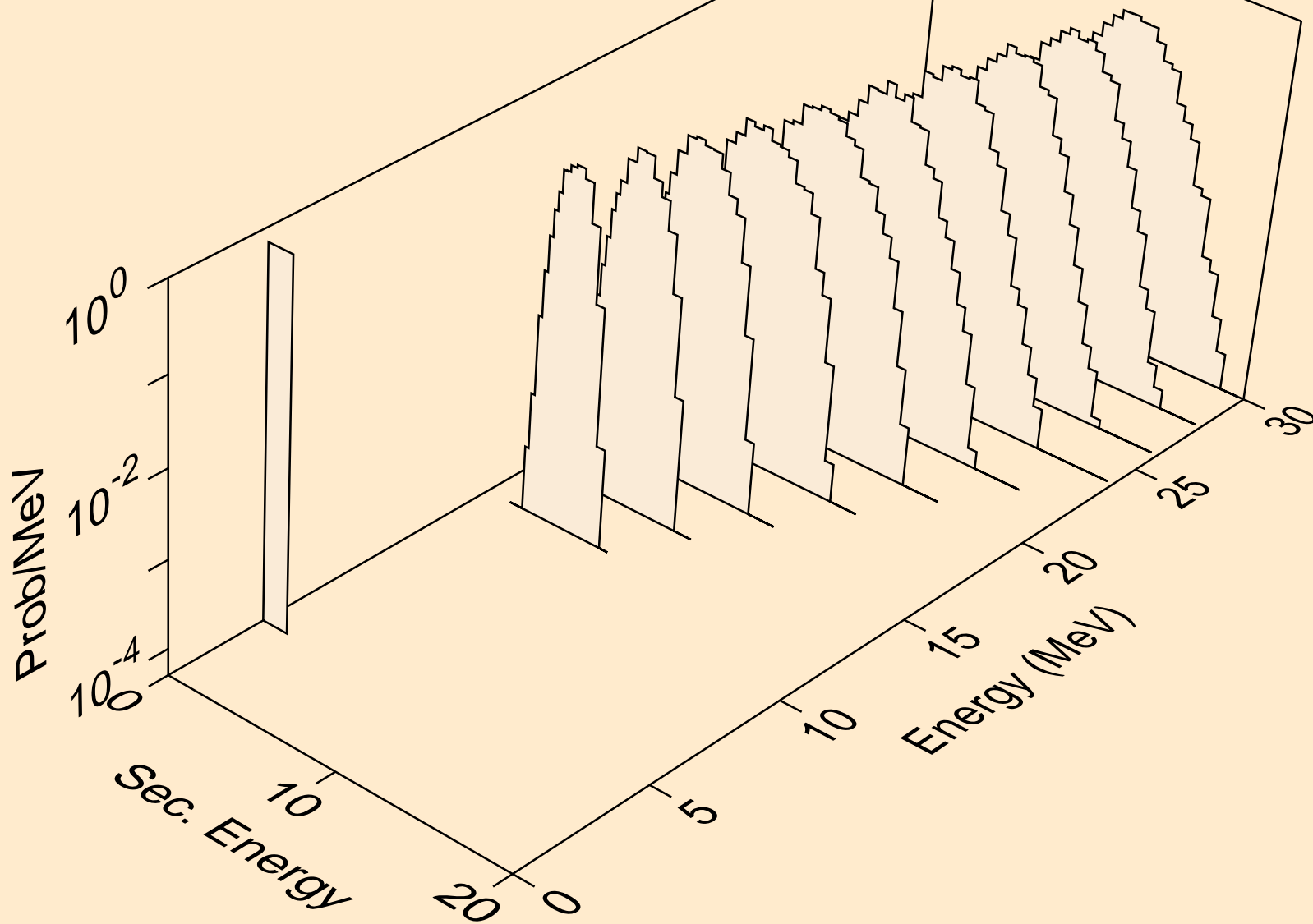
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protons from (n,npa)



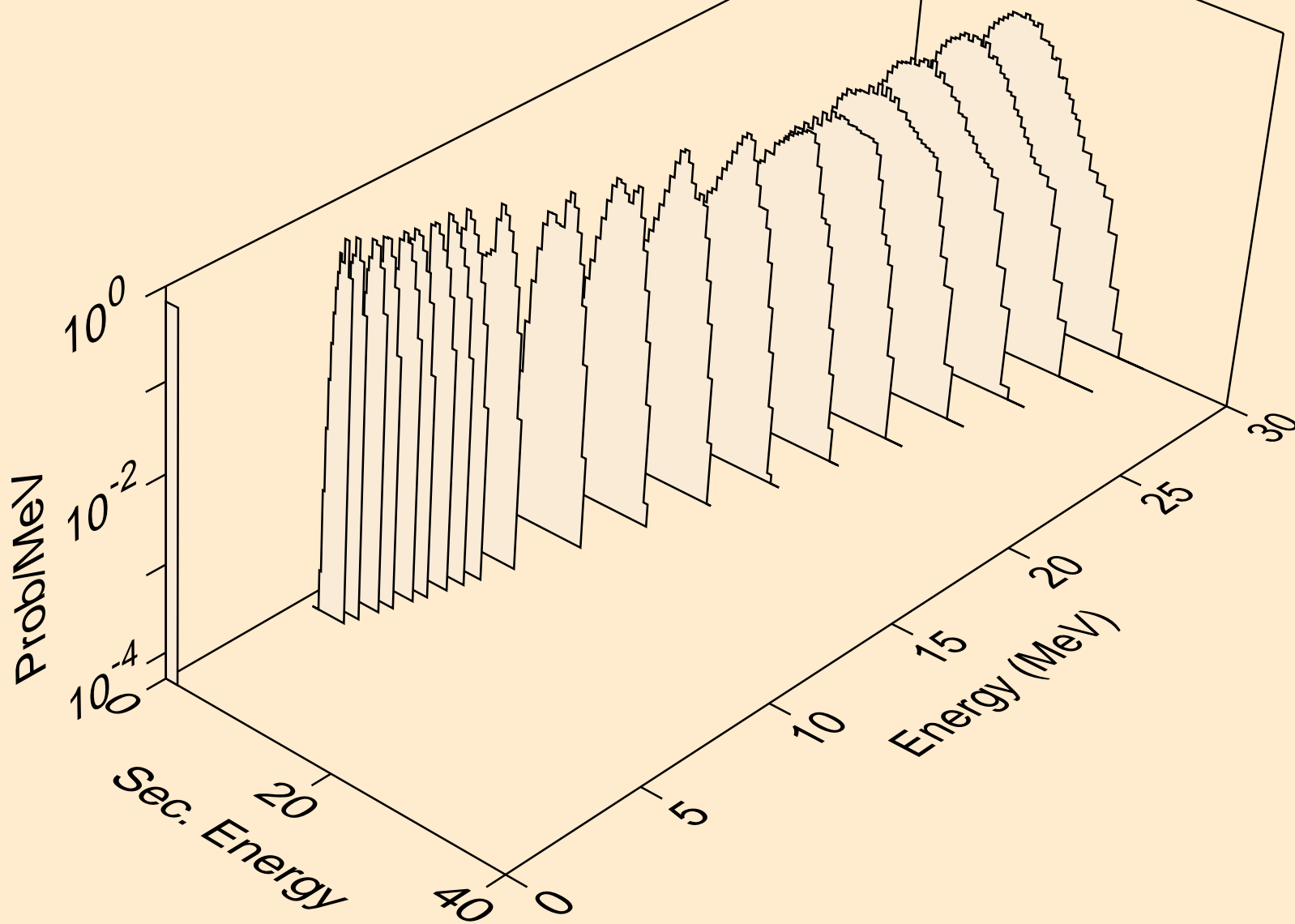
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



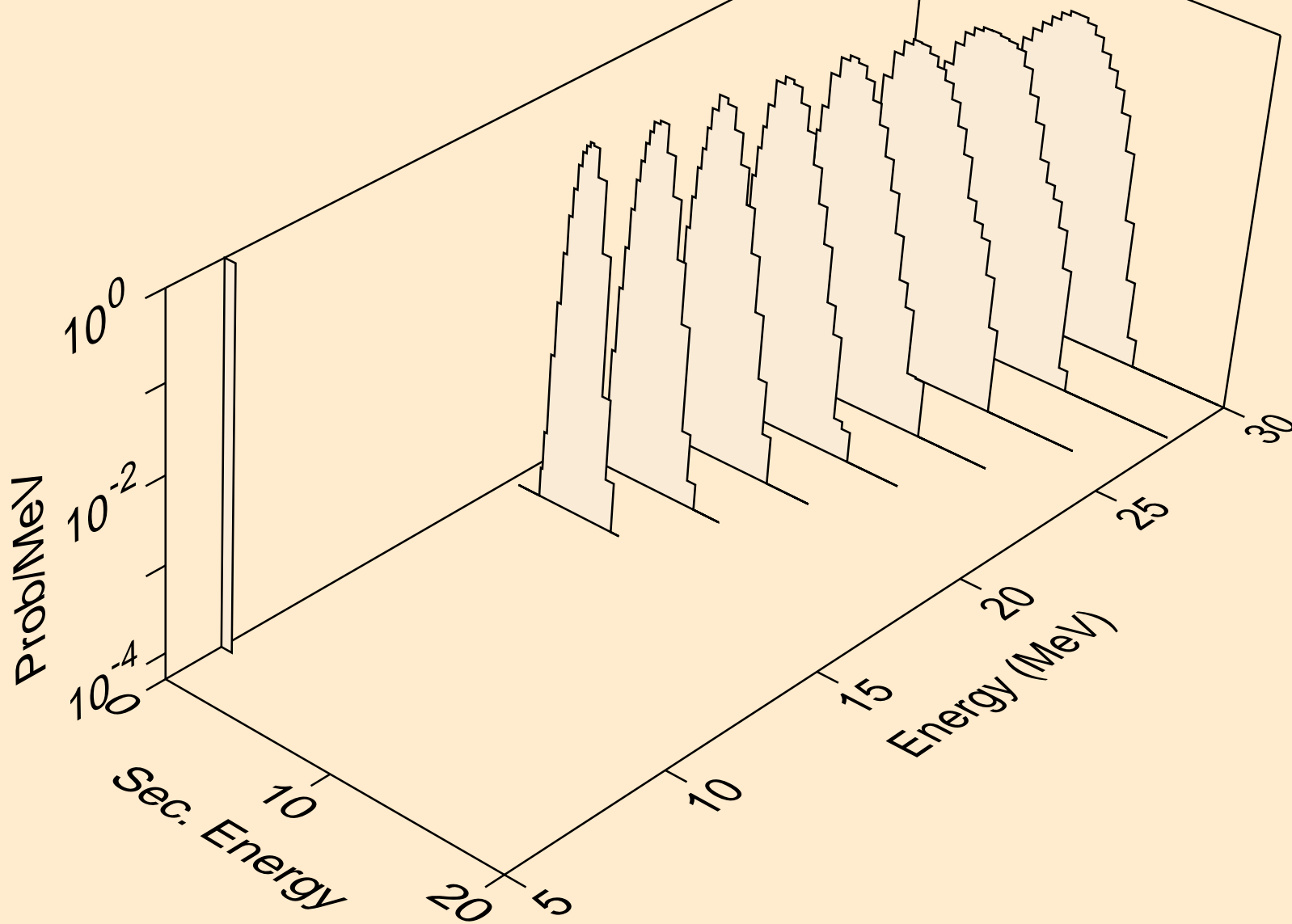
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protons from (n,2p)



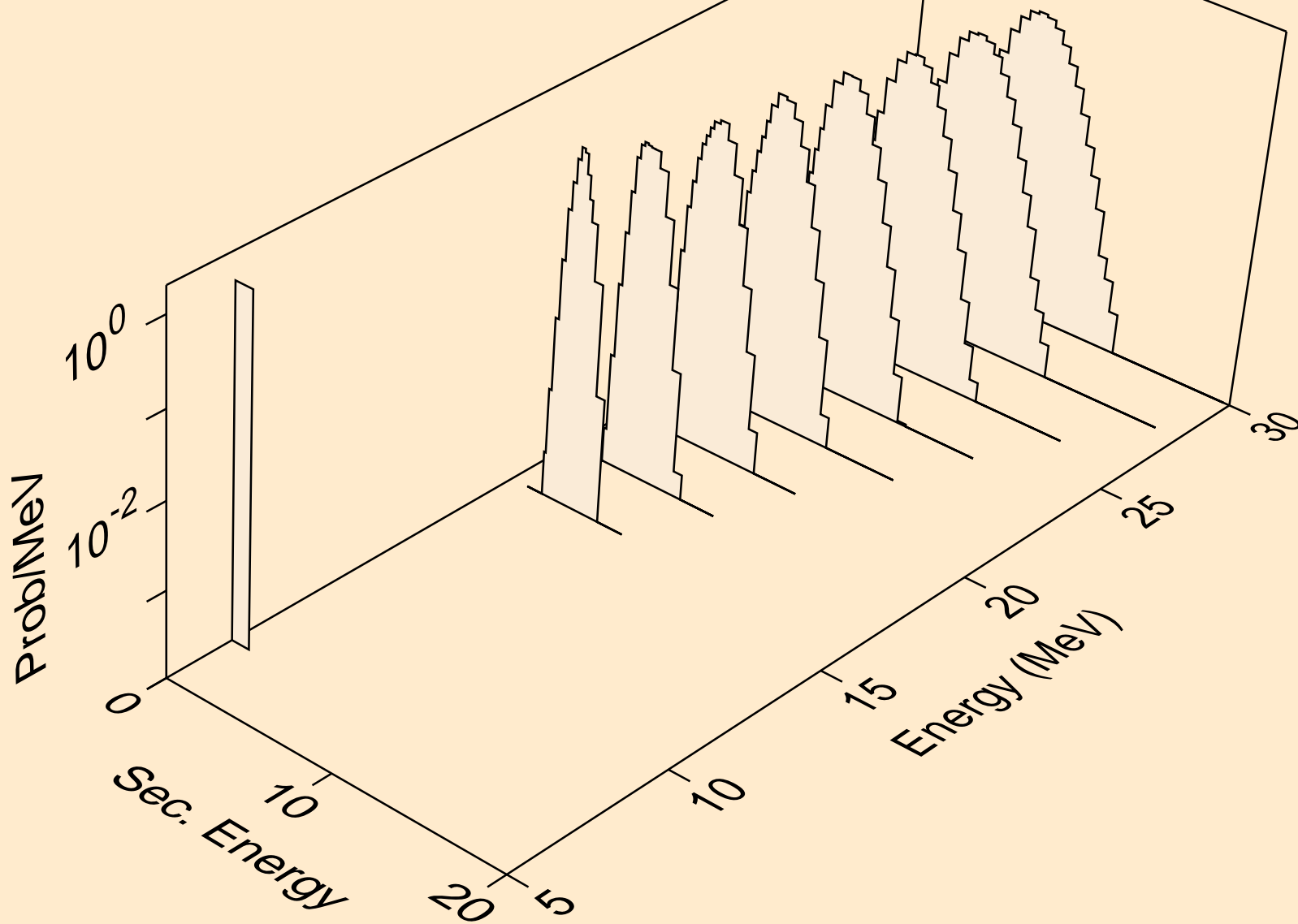
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



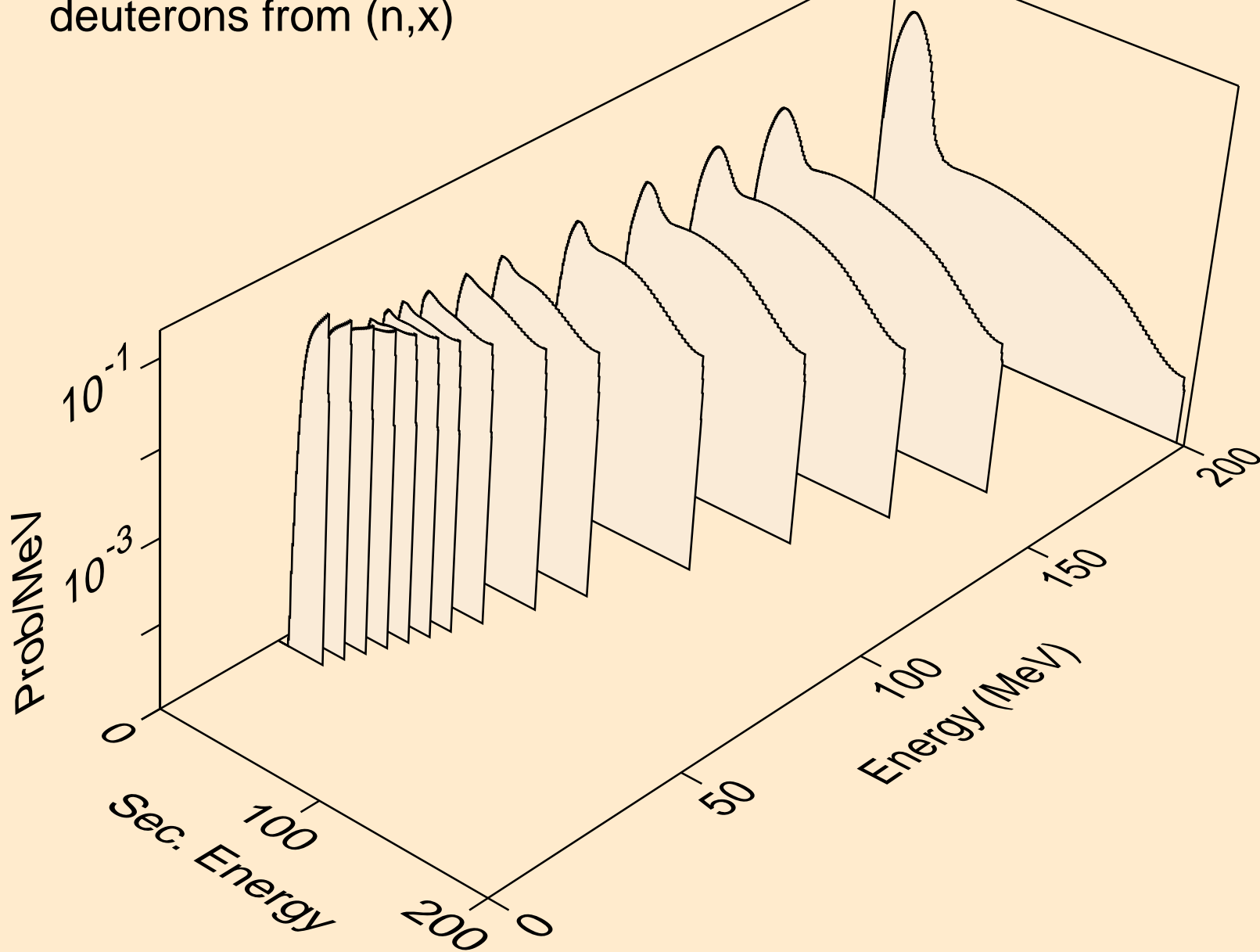
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



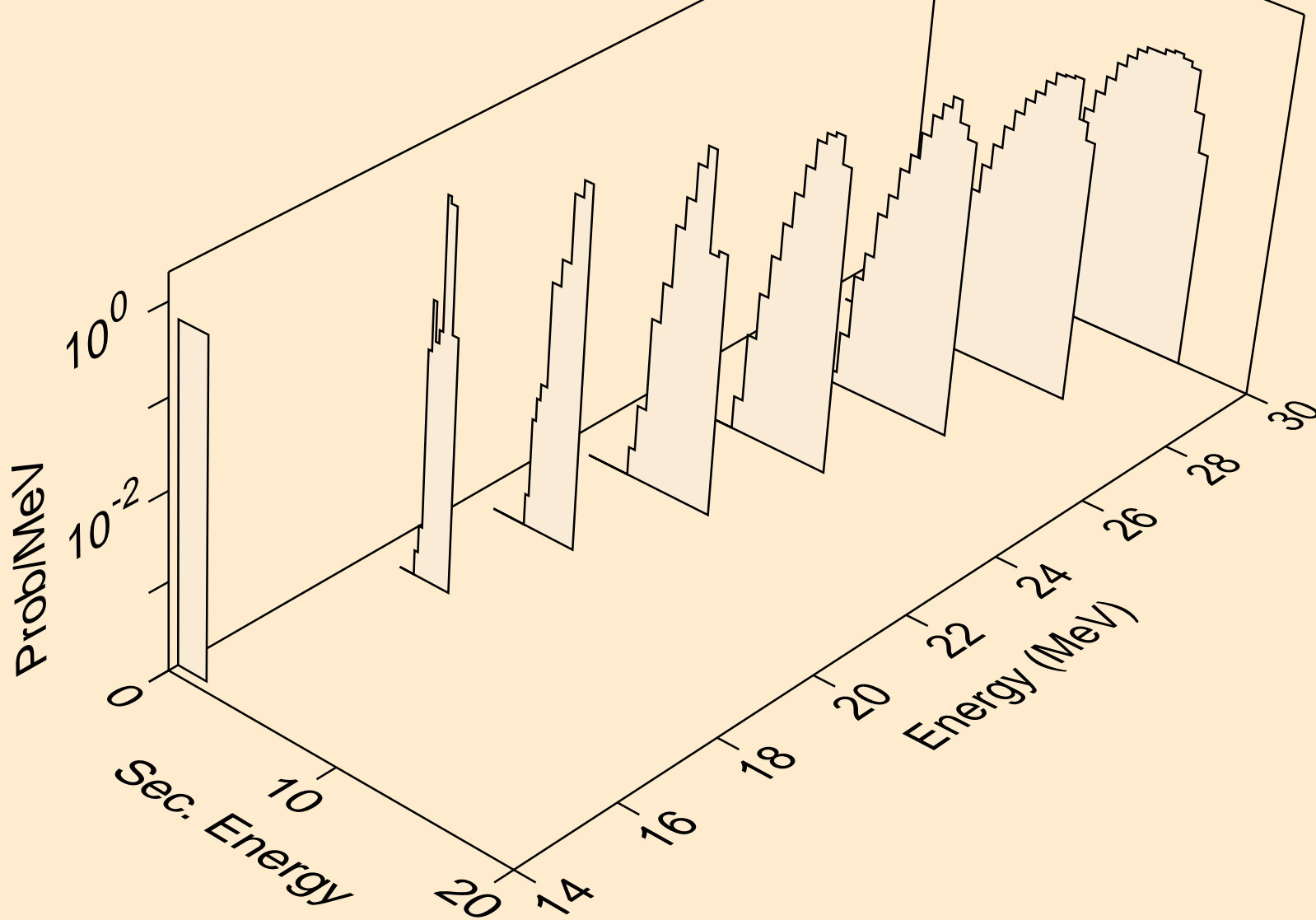
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protons from (n,pt)



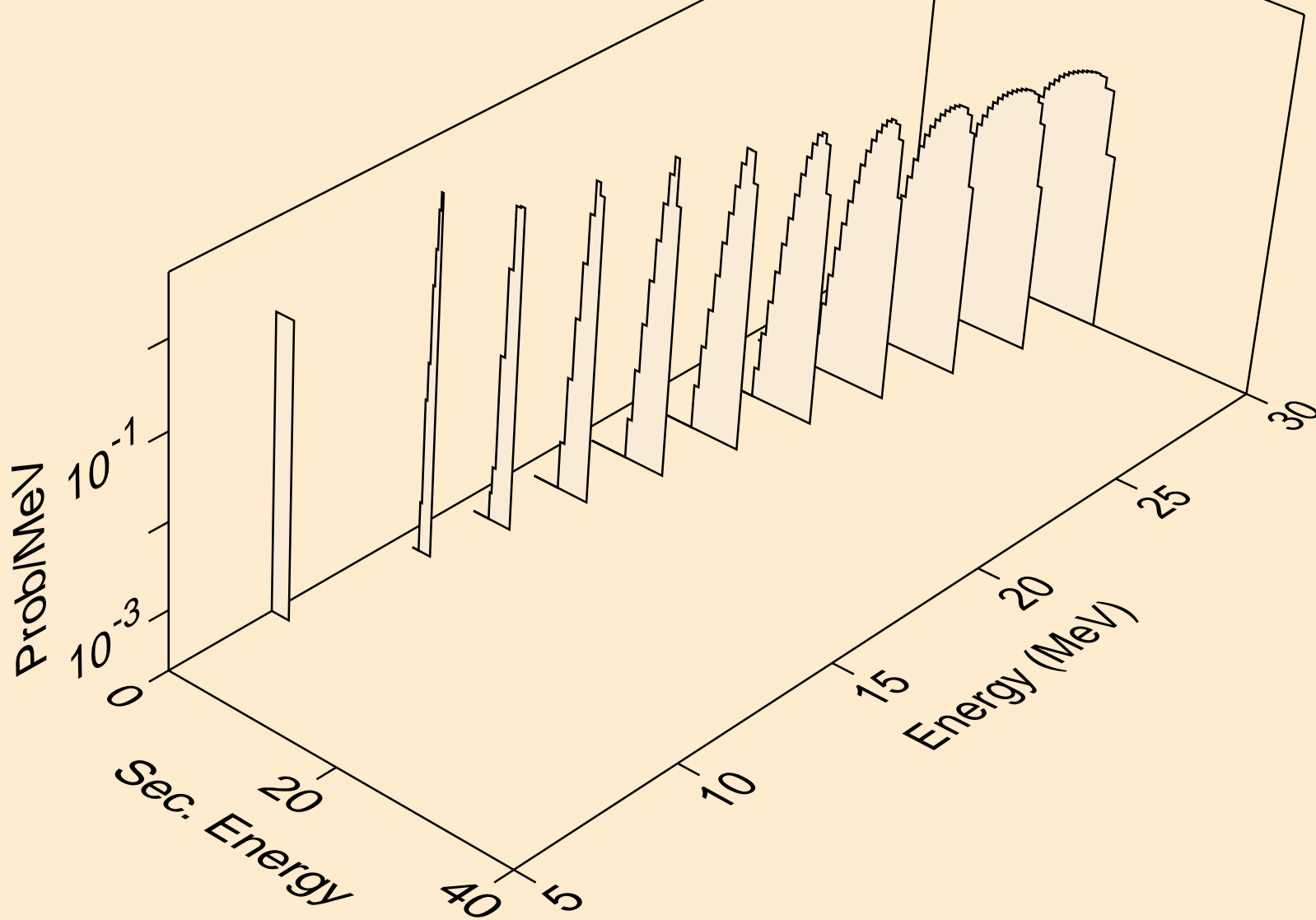
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



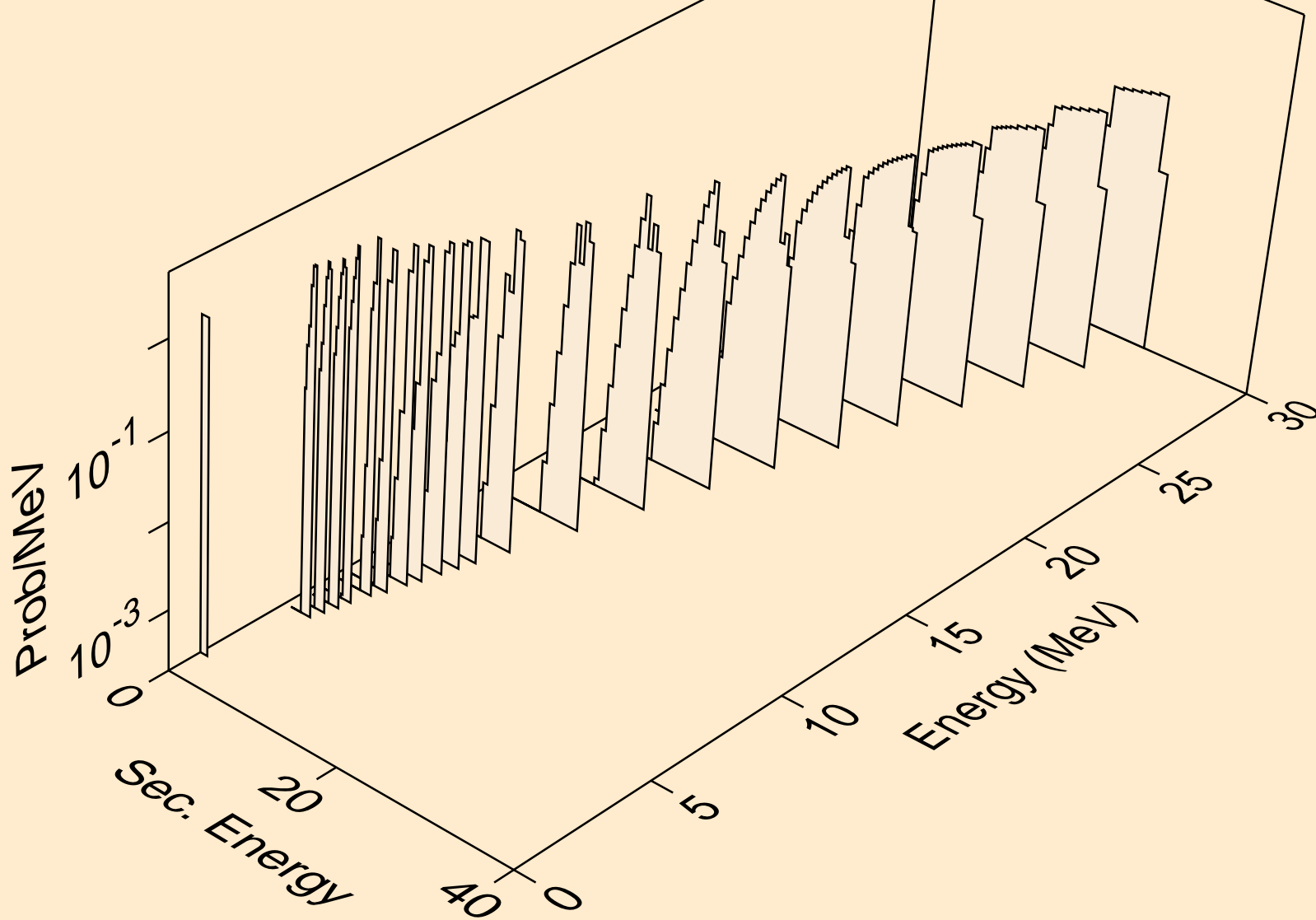
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



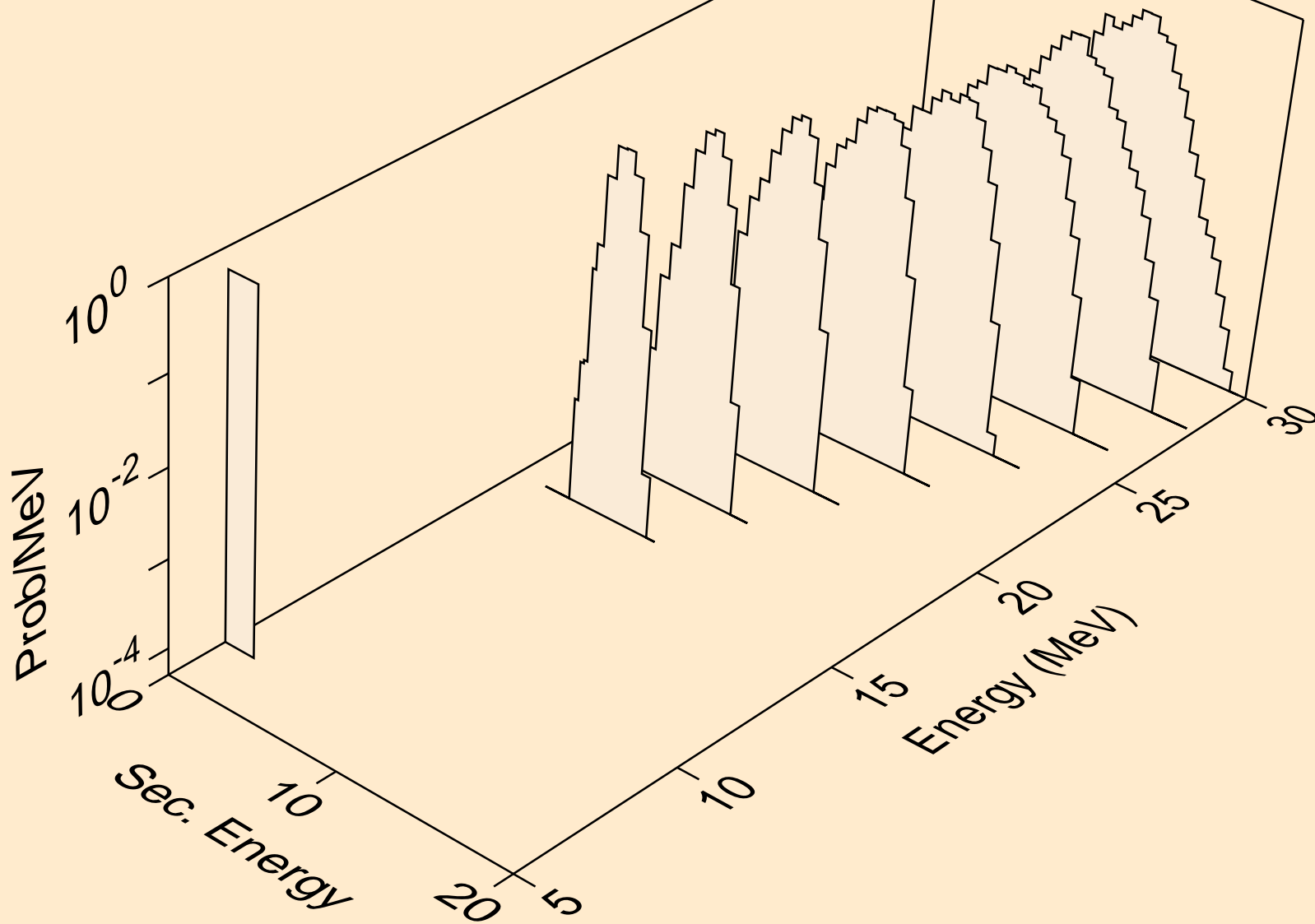
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



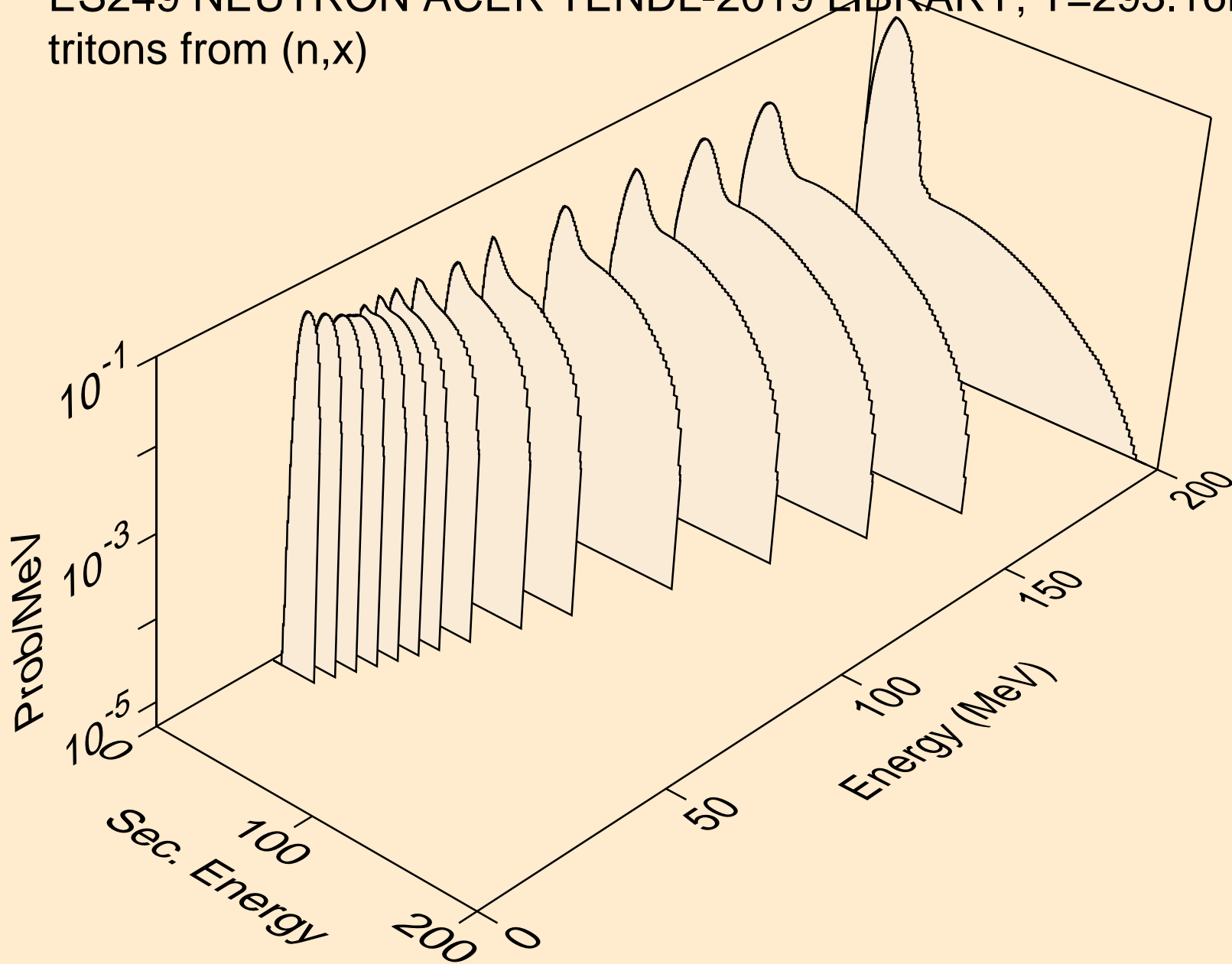
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



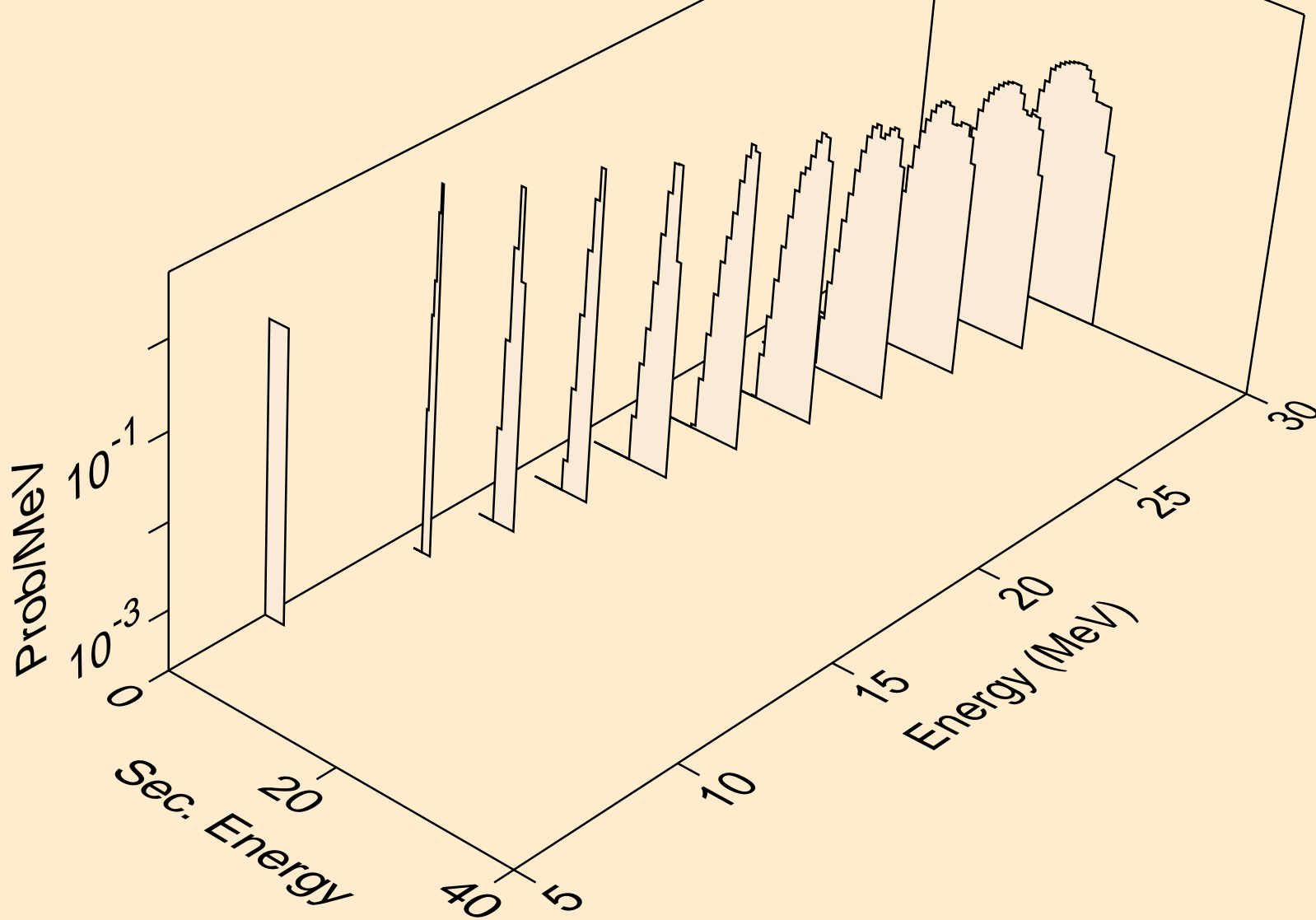
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deuterons from (n,pd)



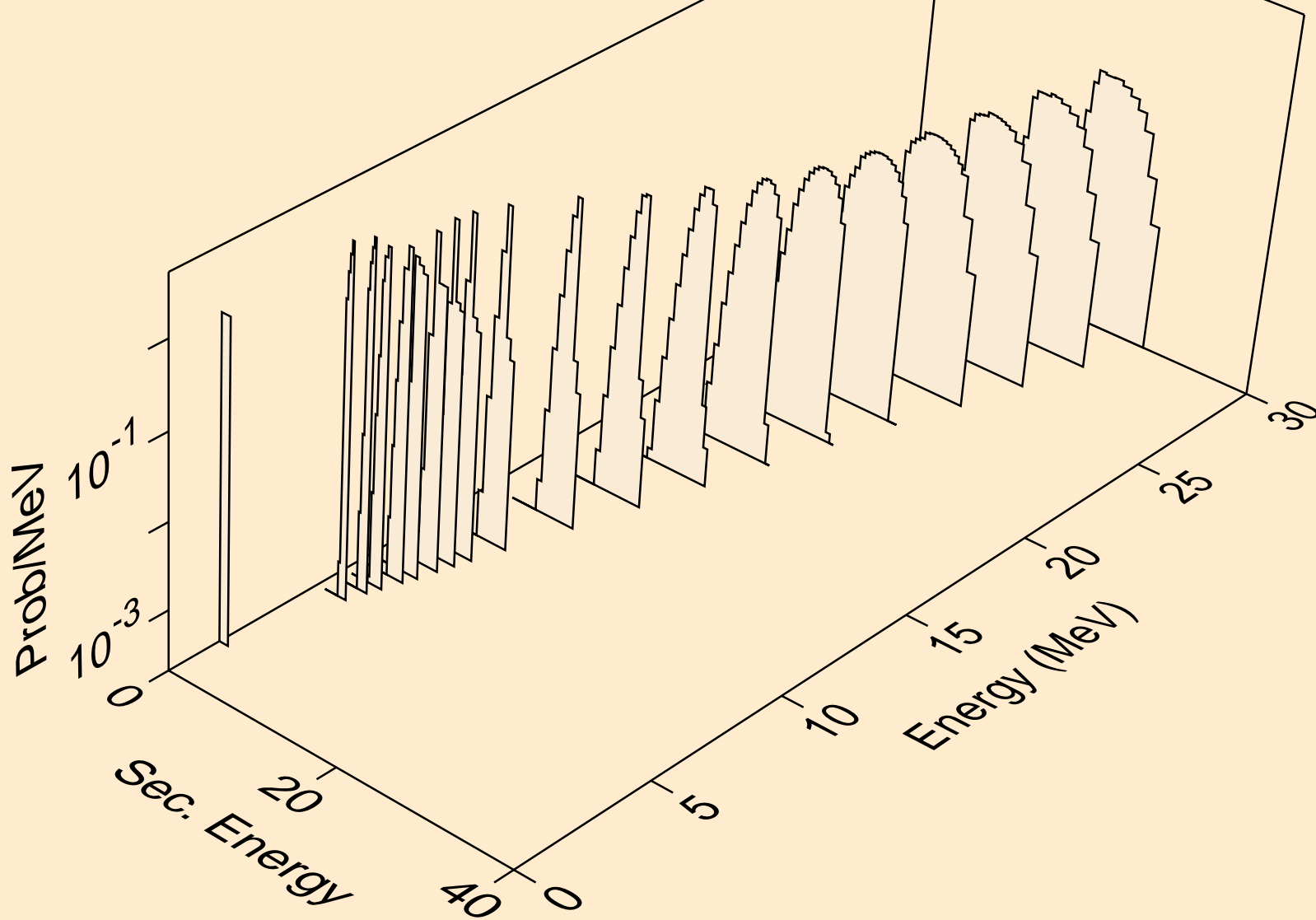
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



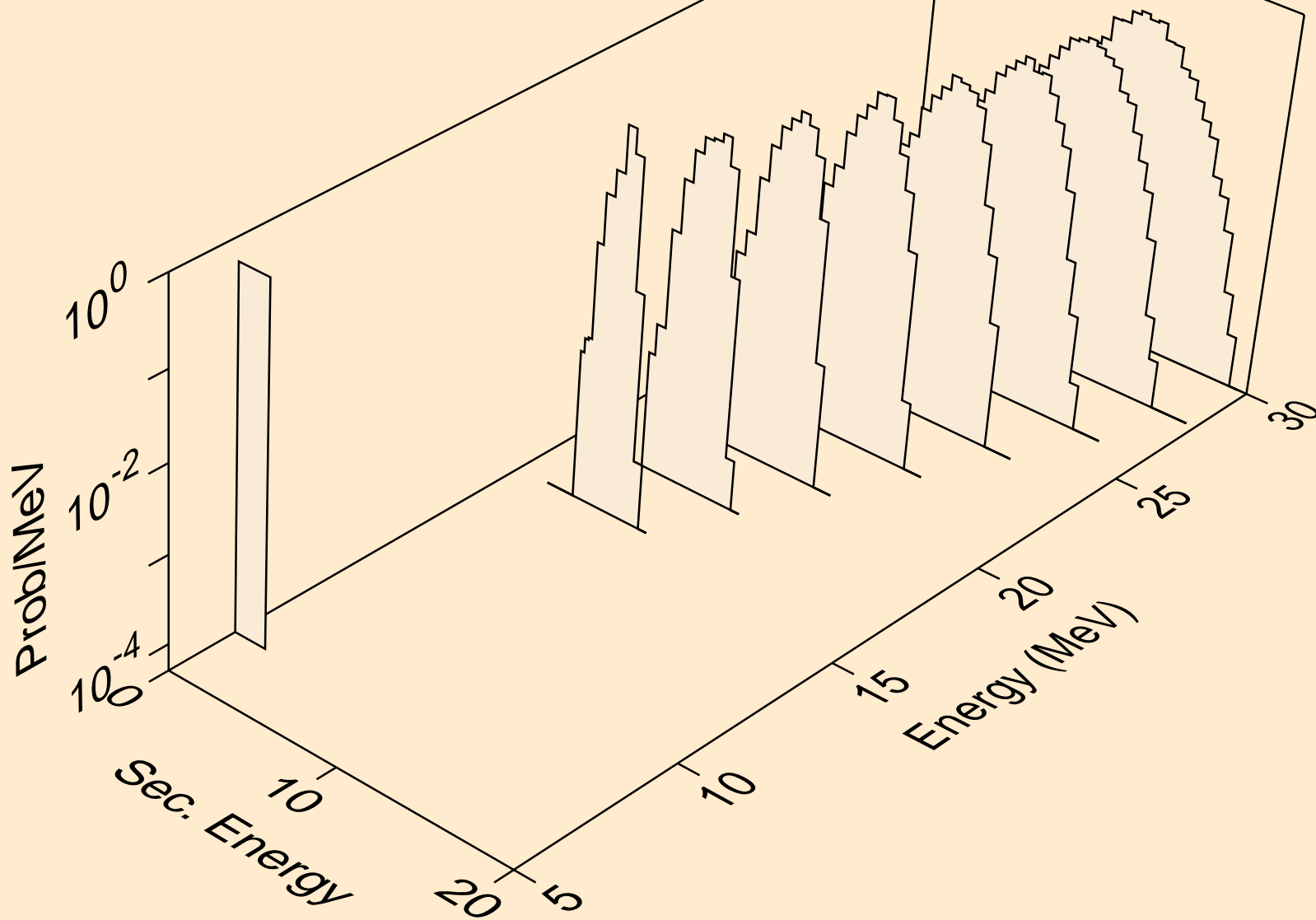
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



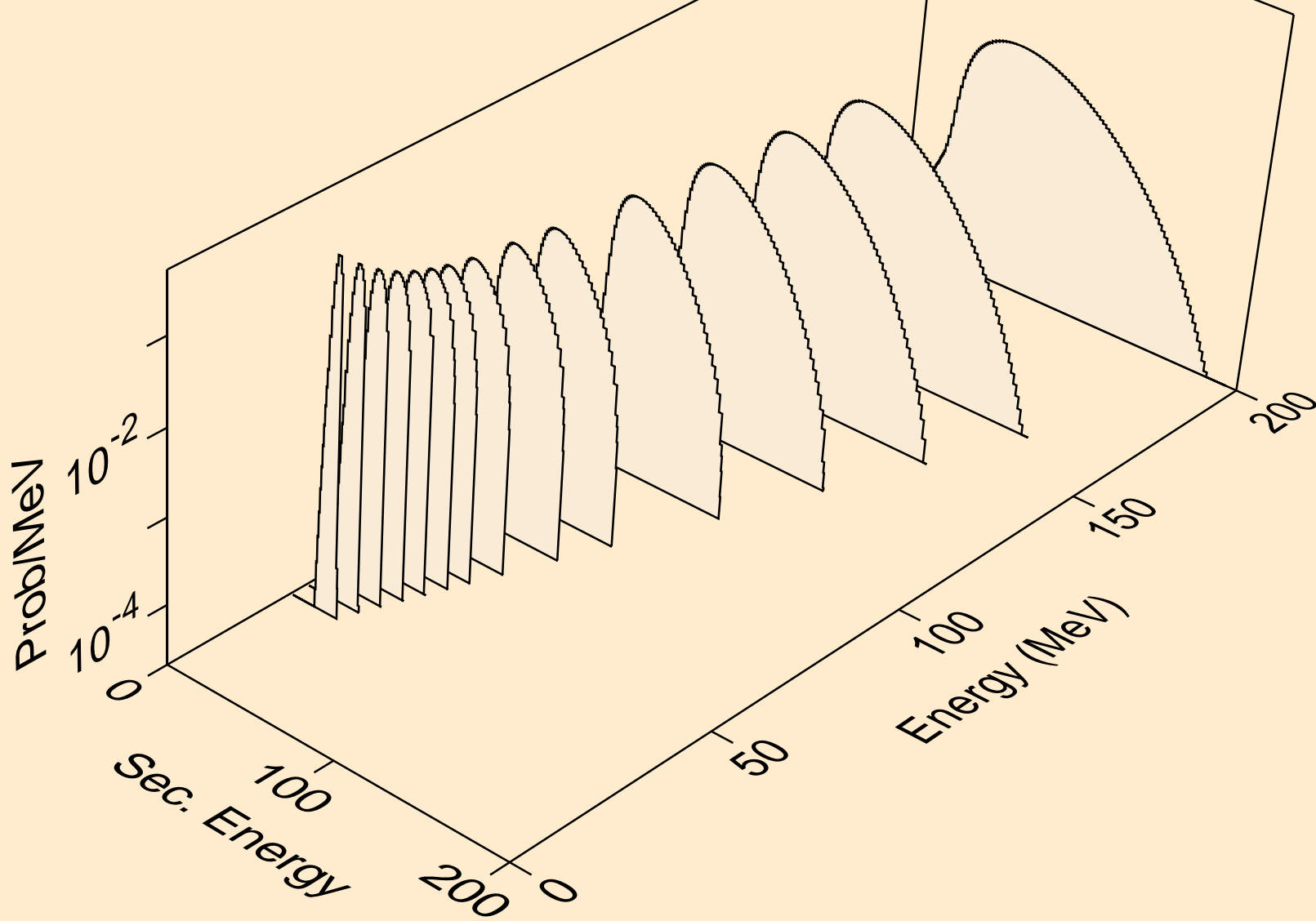
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



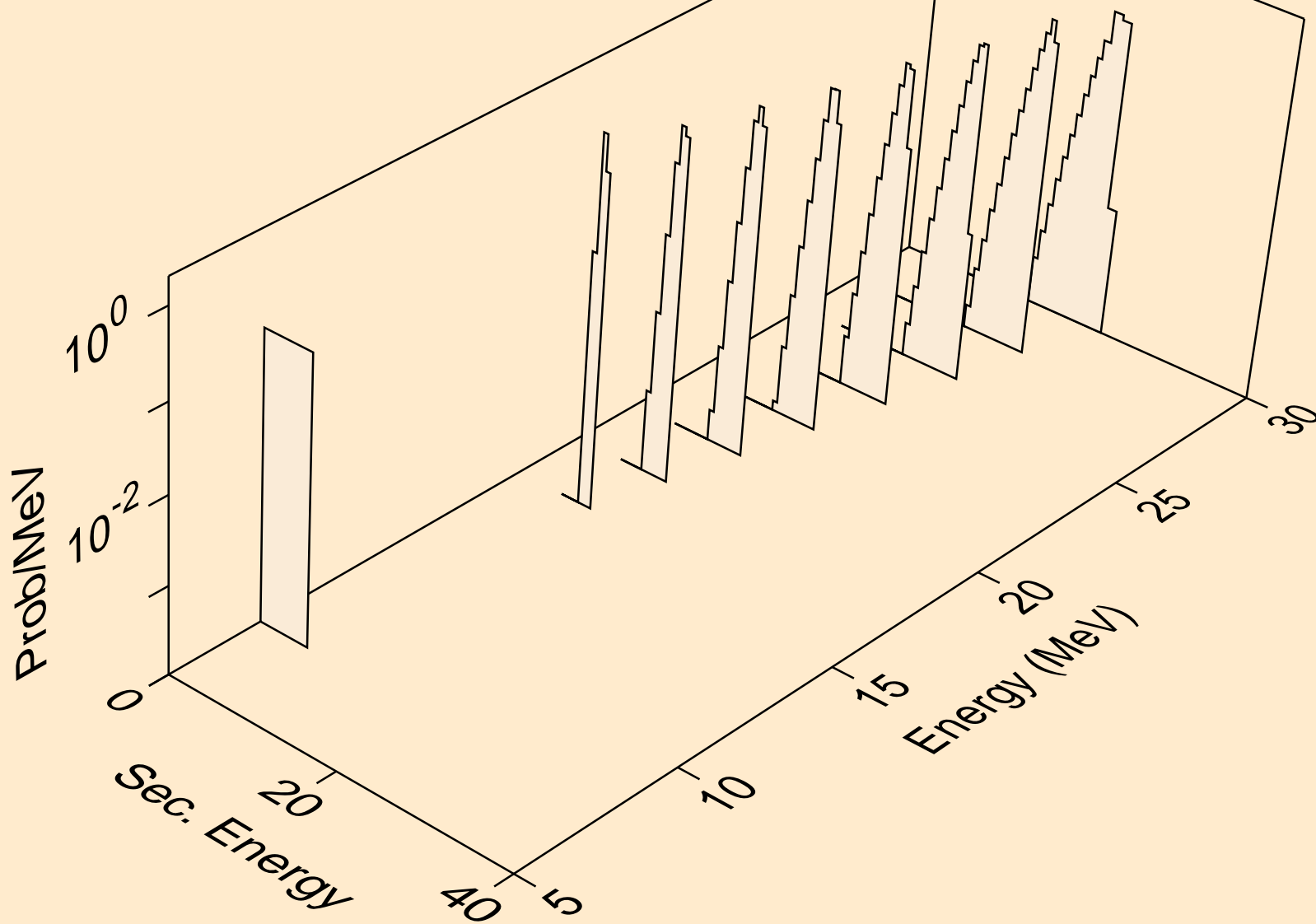
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



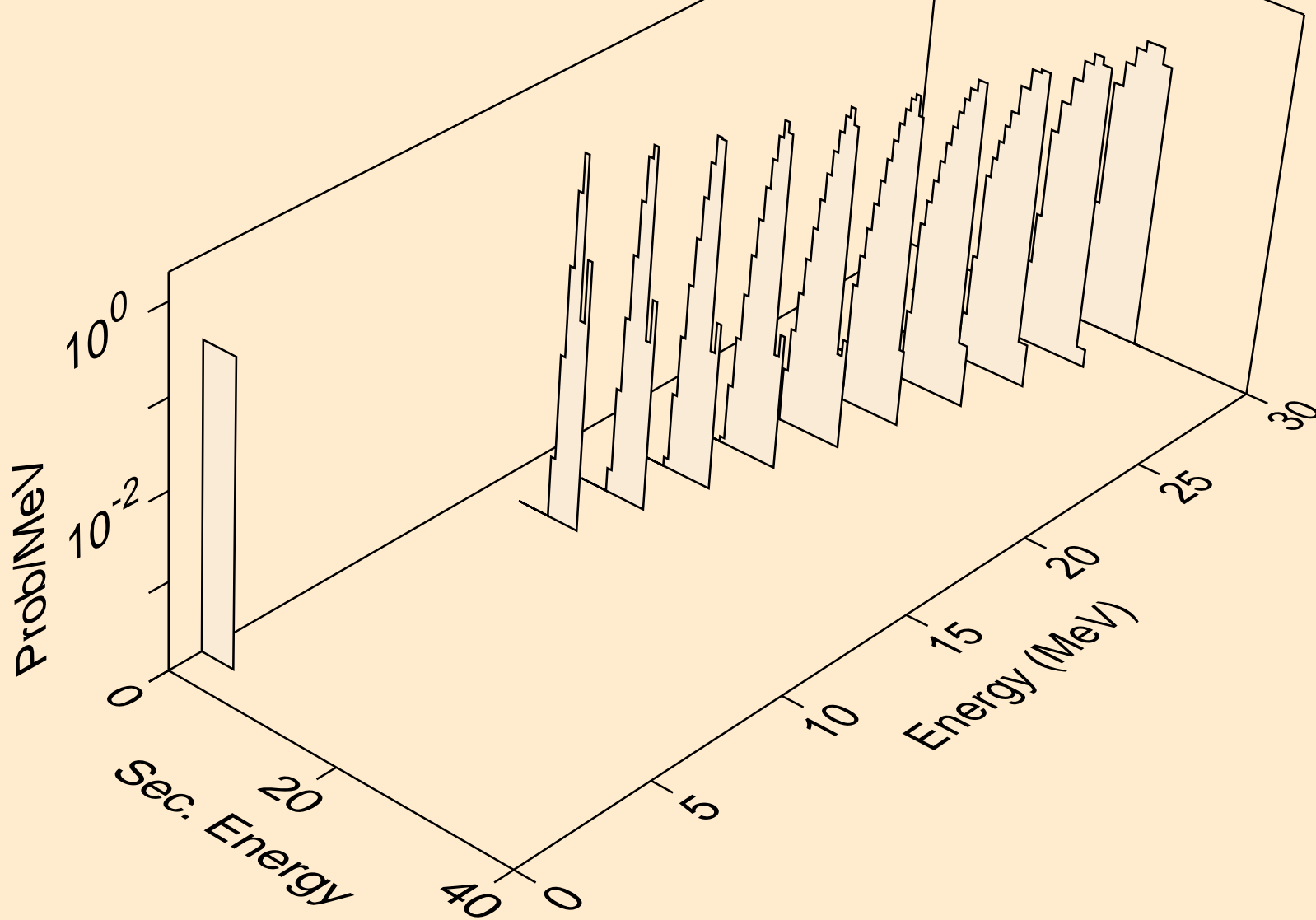
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



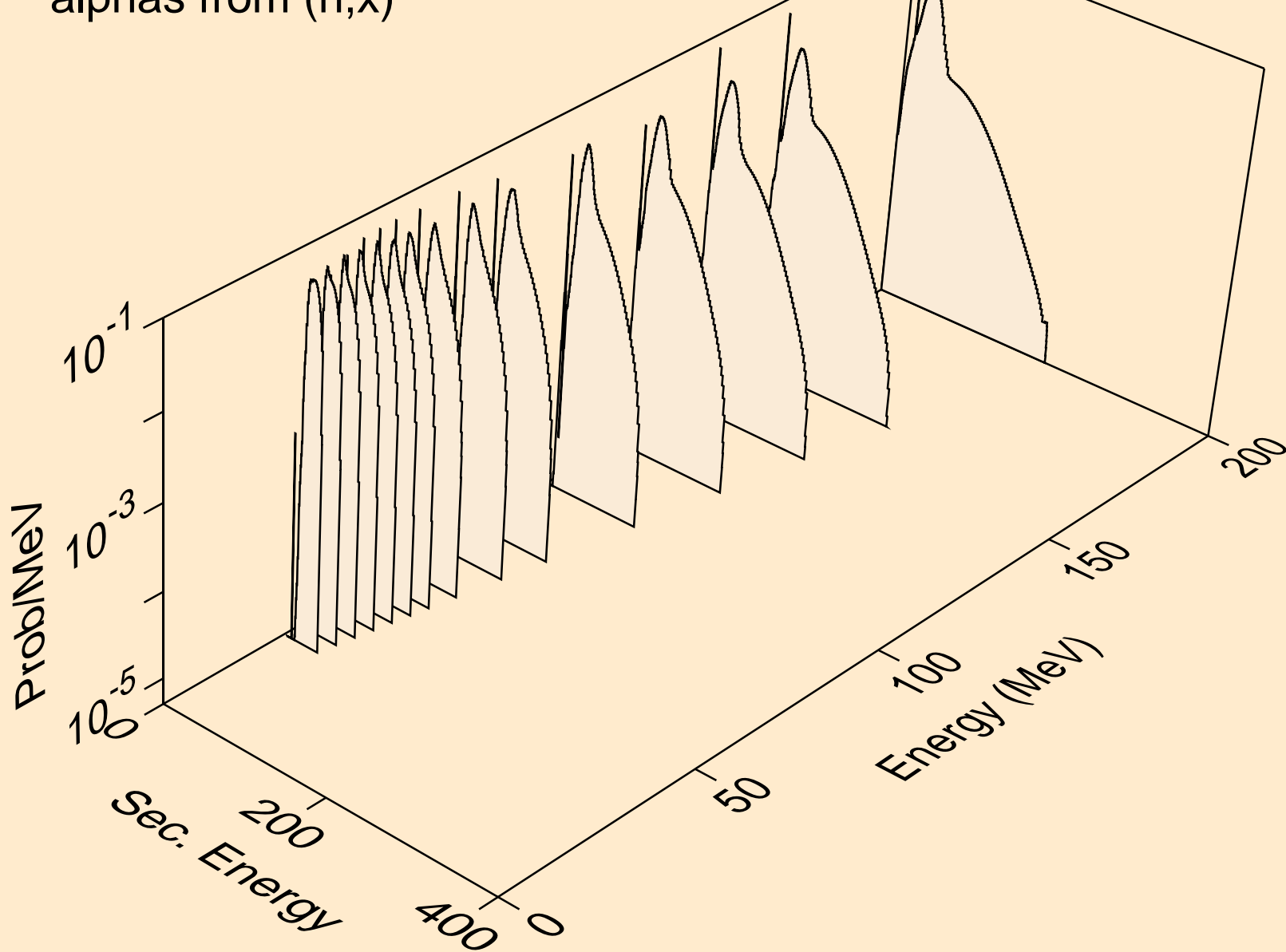
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



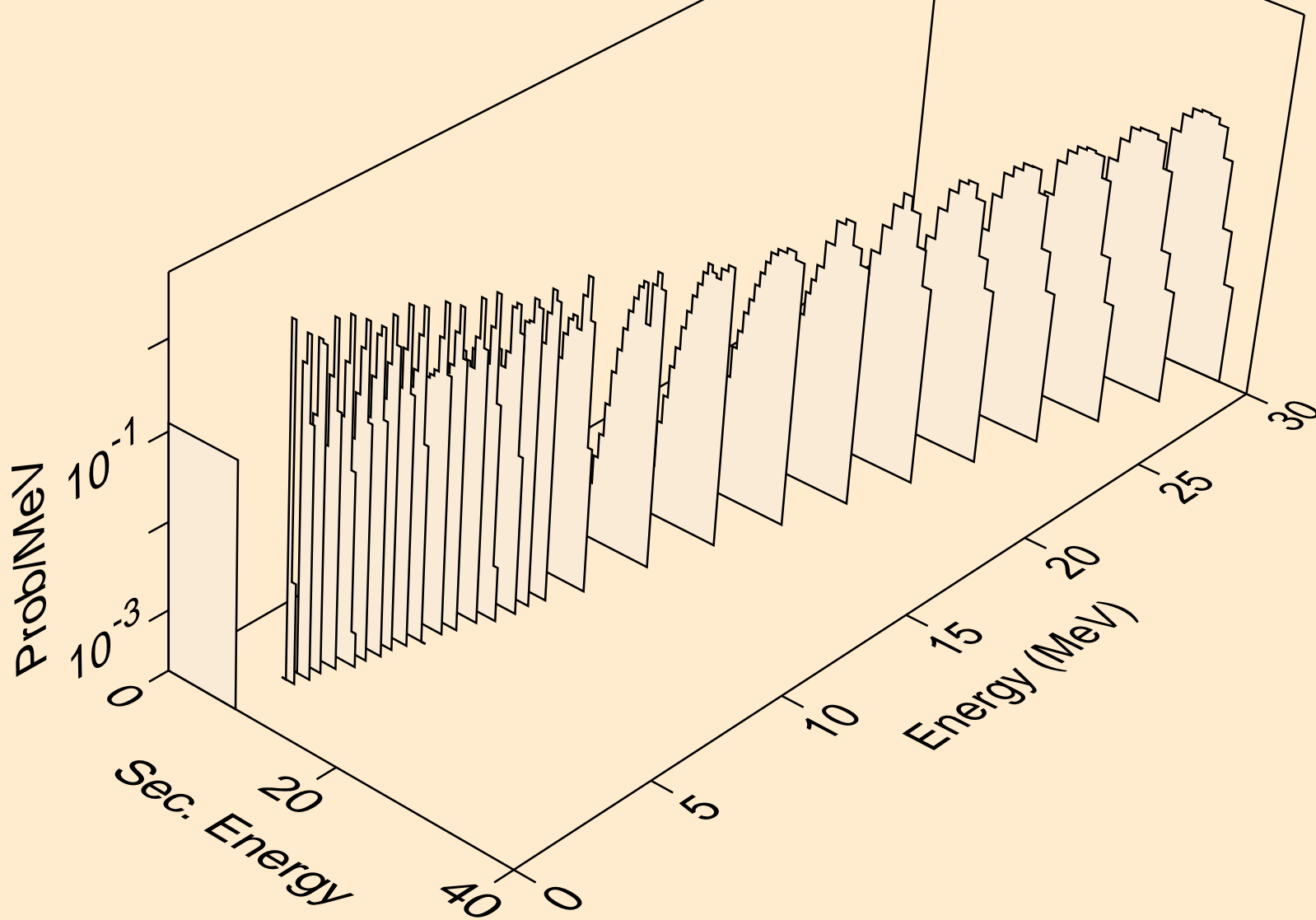
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



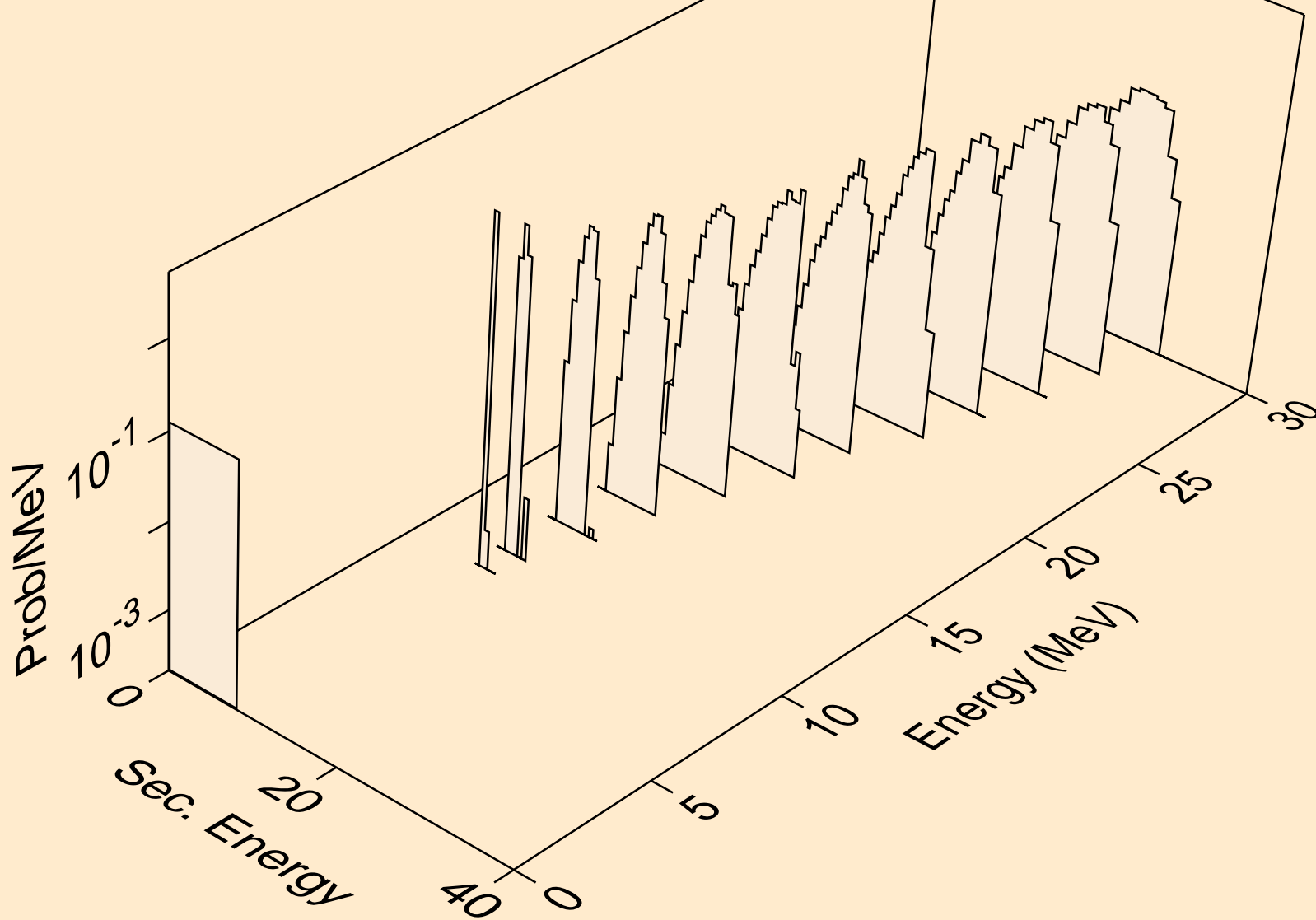
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



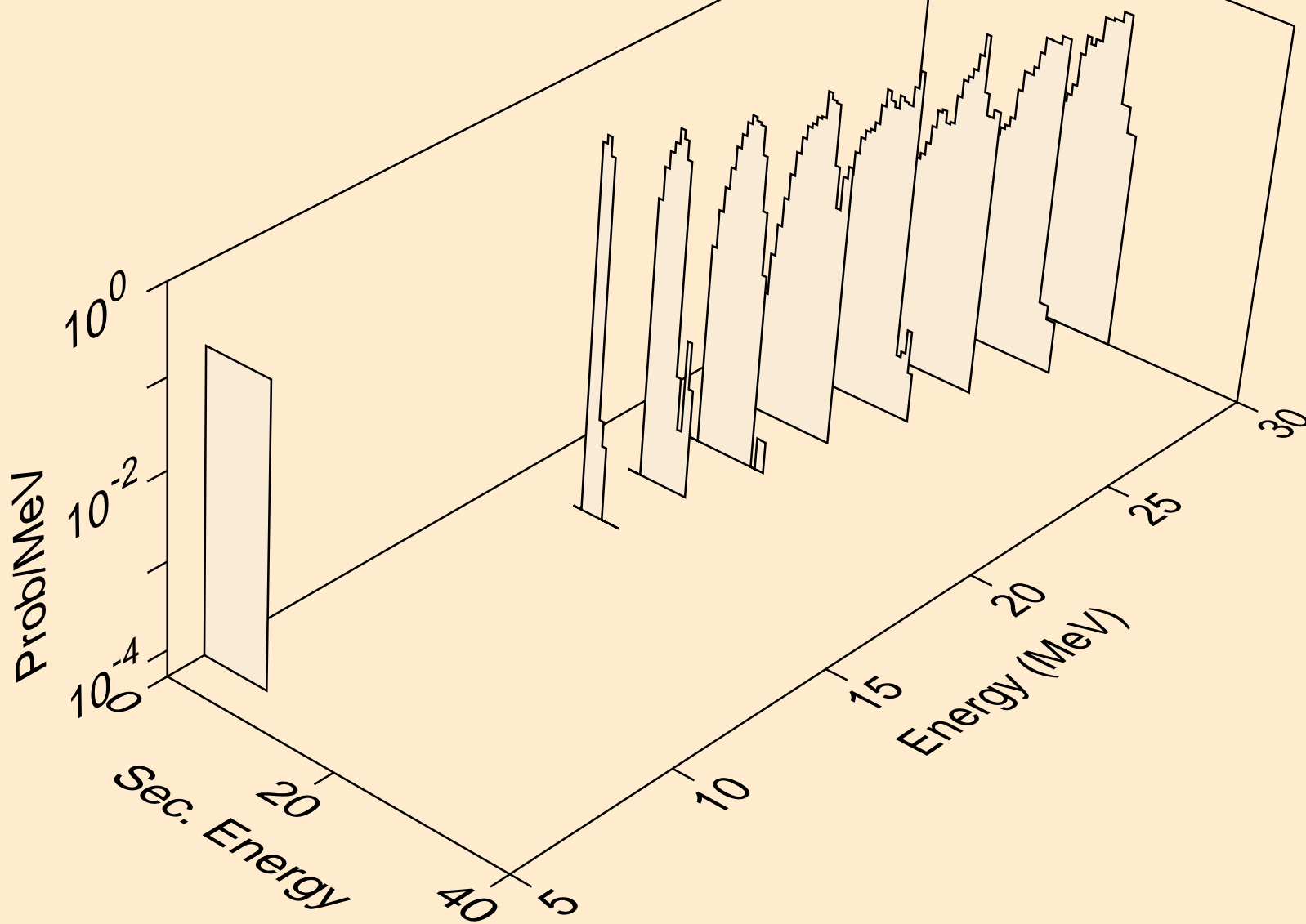
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



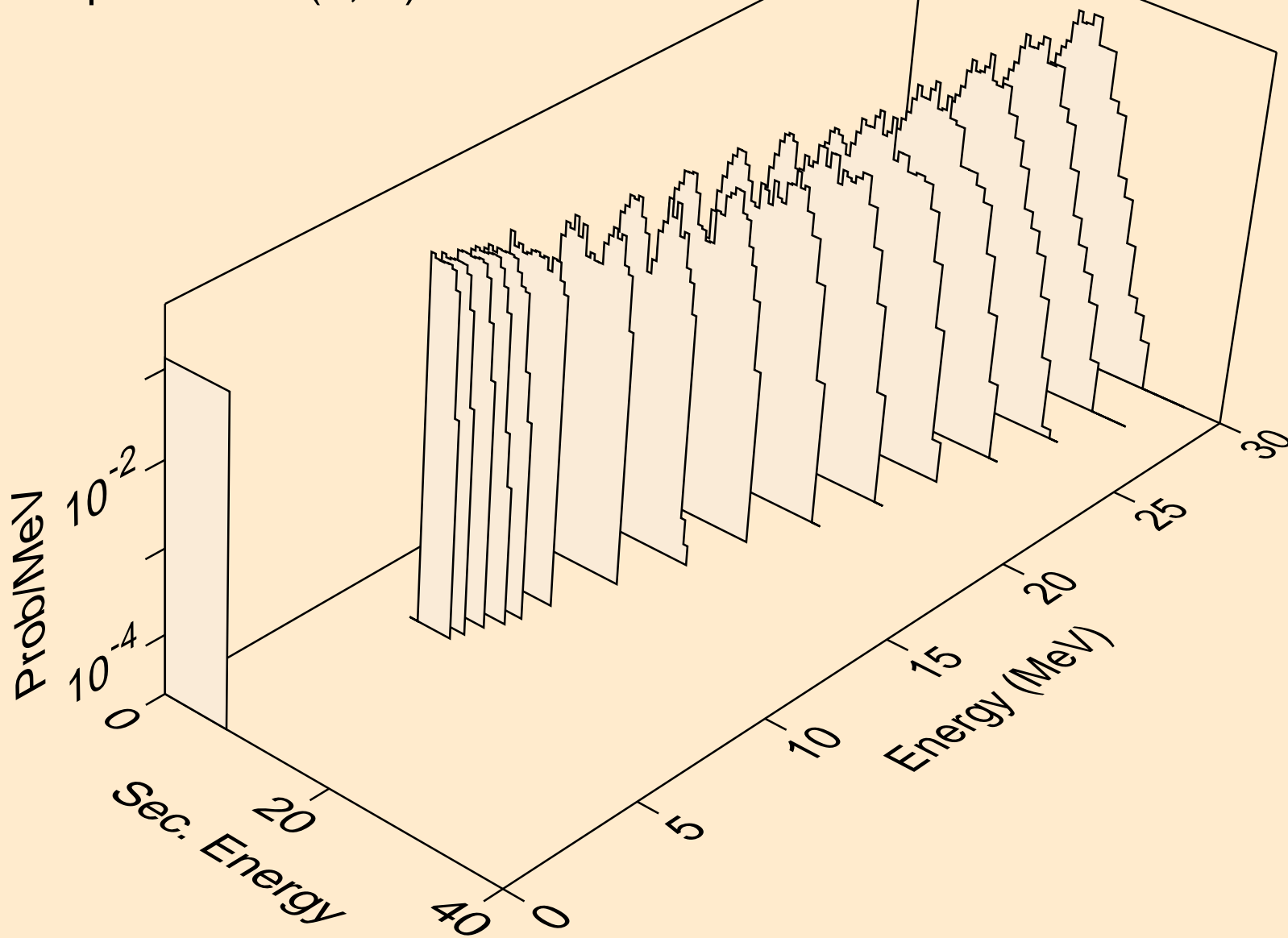
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



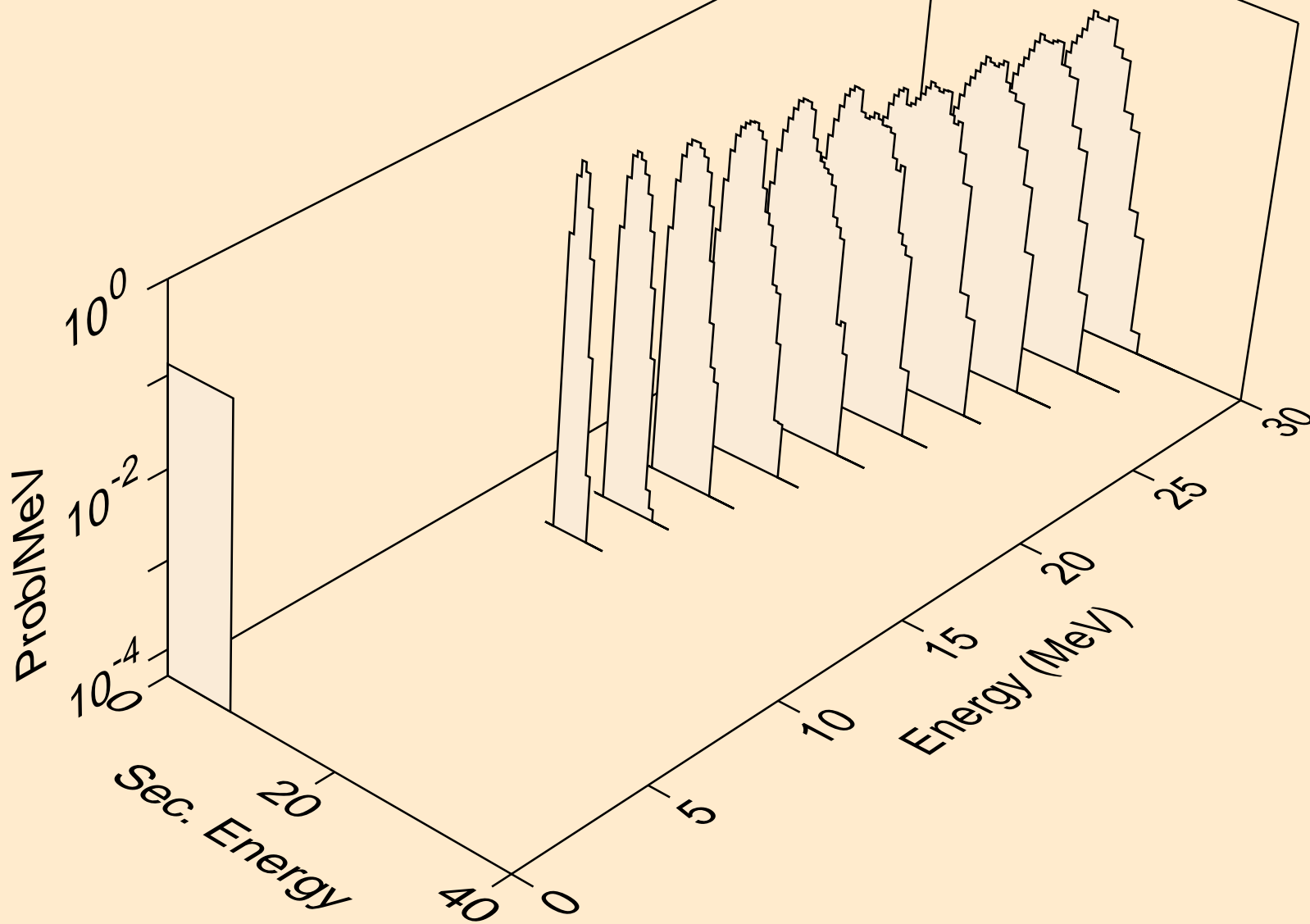
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



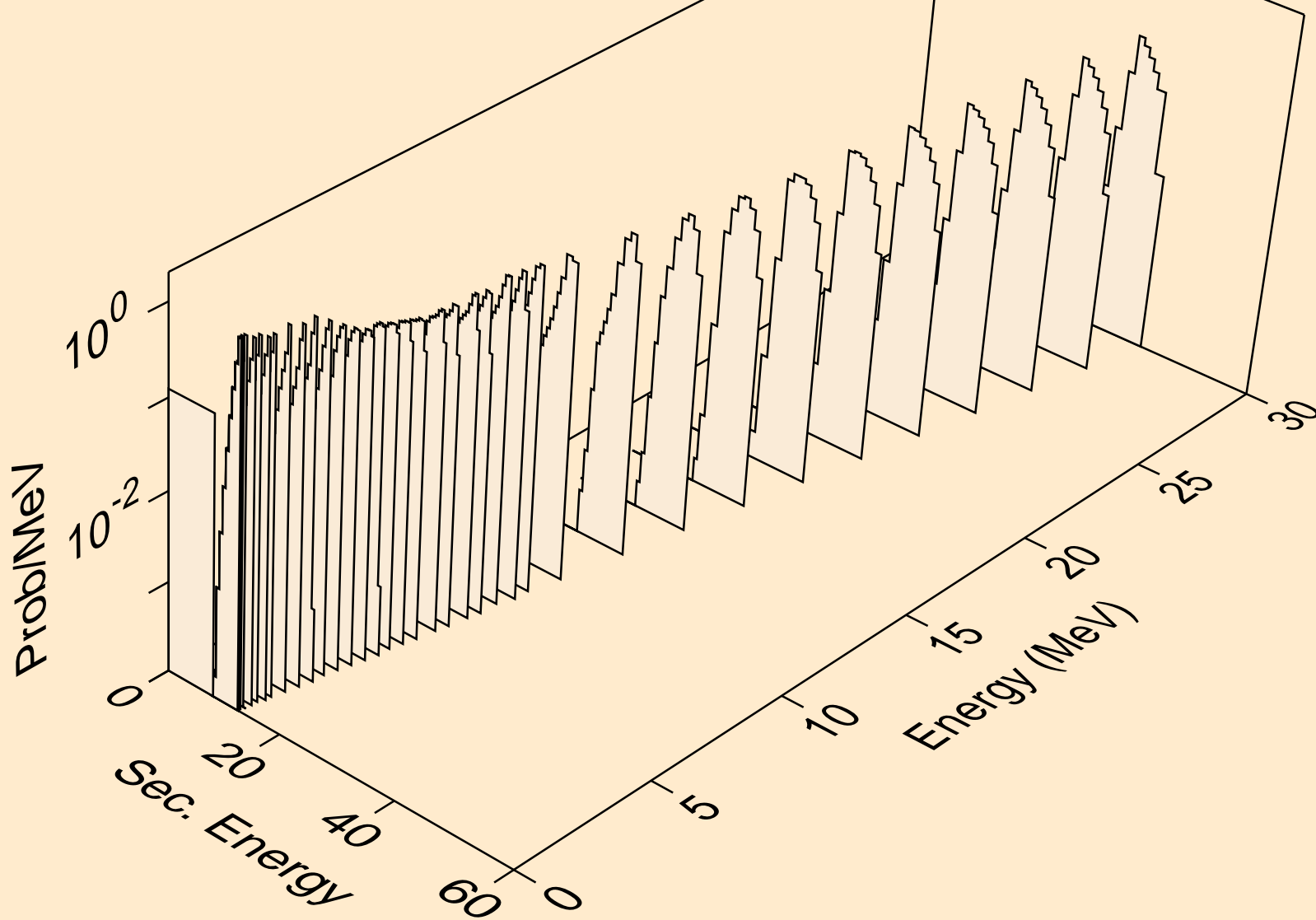
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



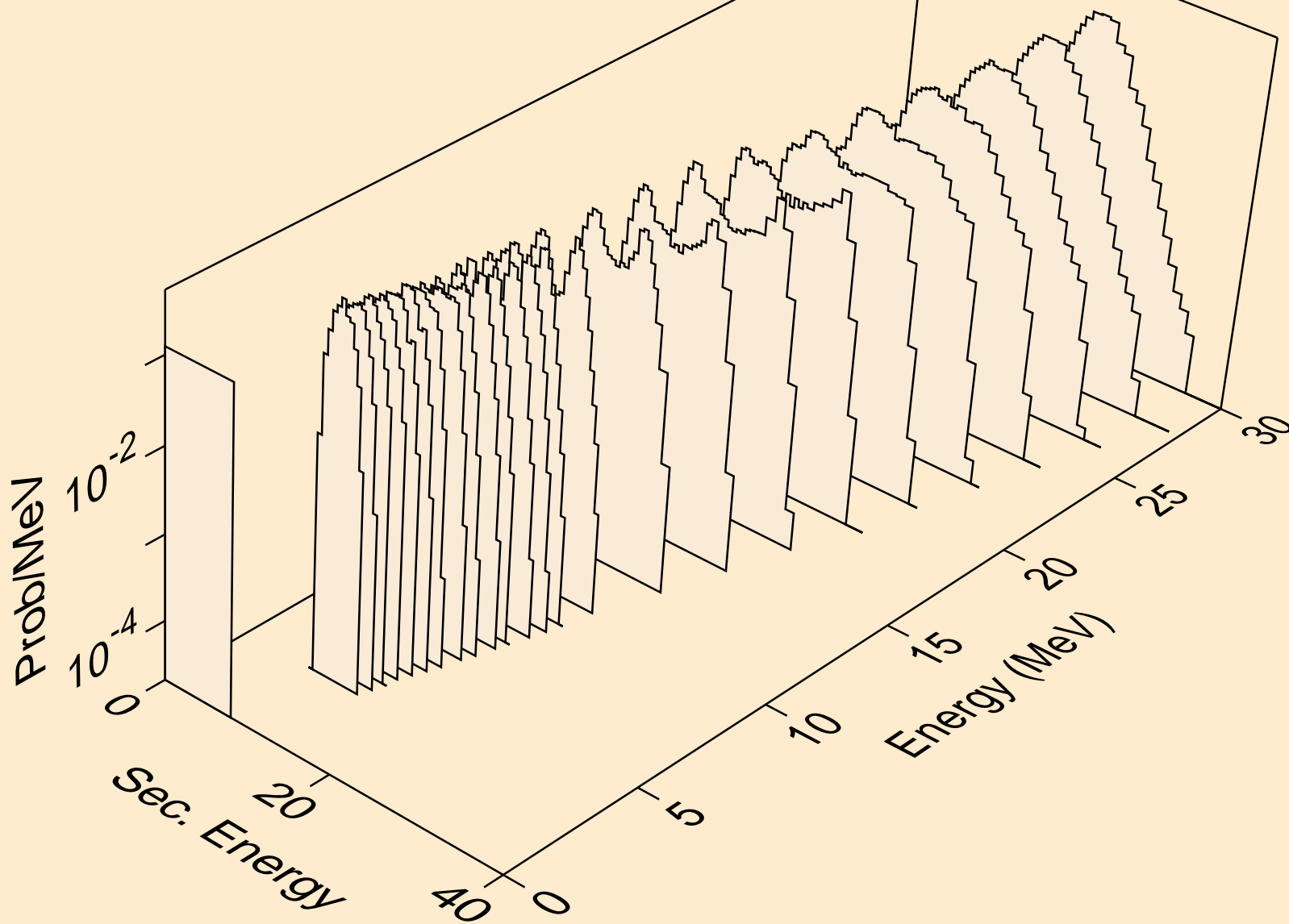
ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



ES249 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)

