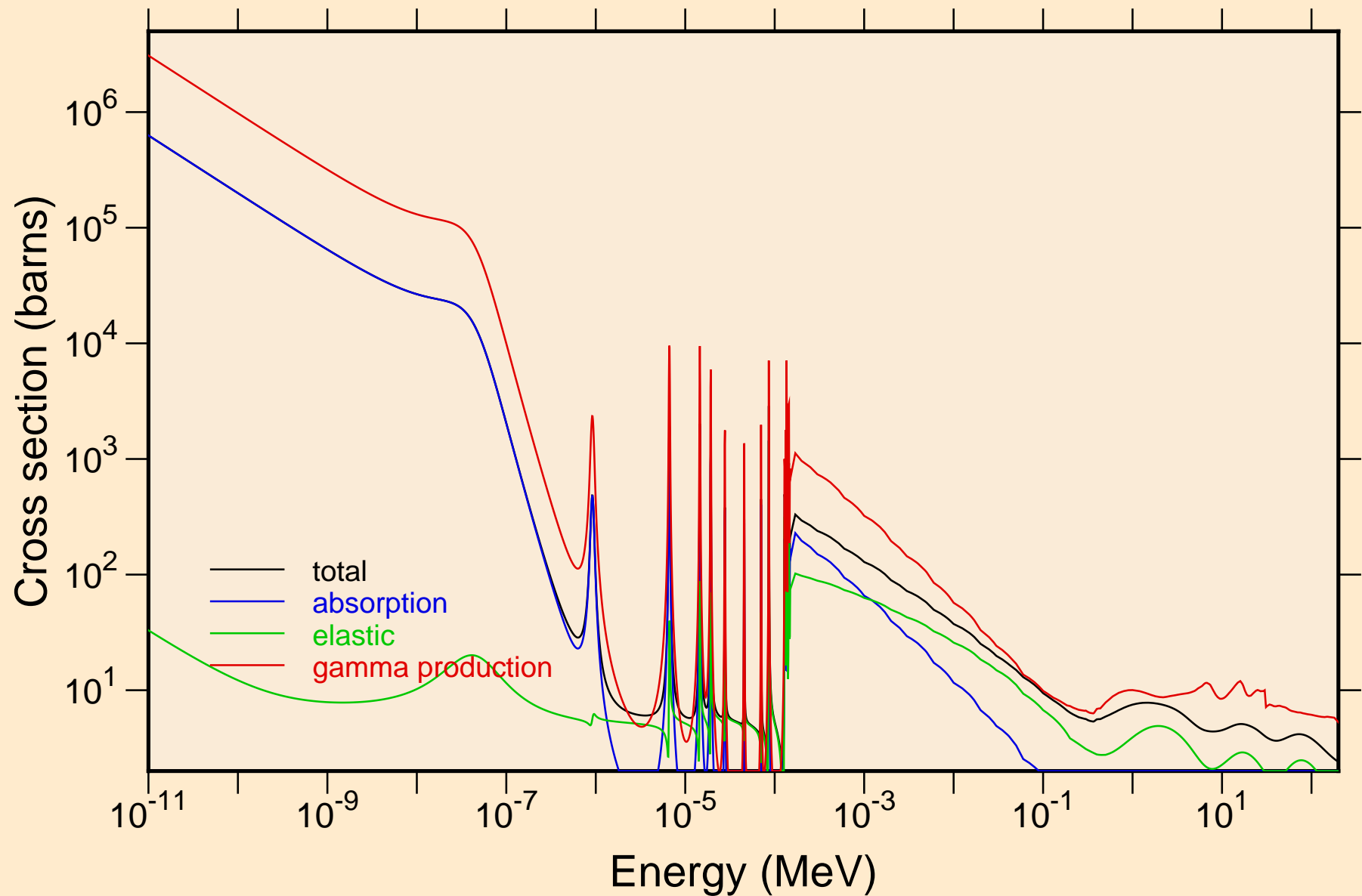
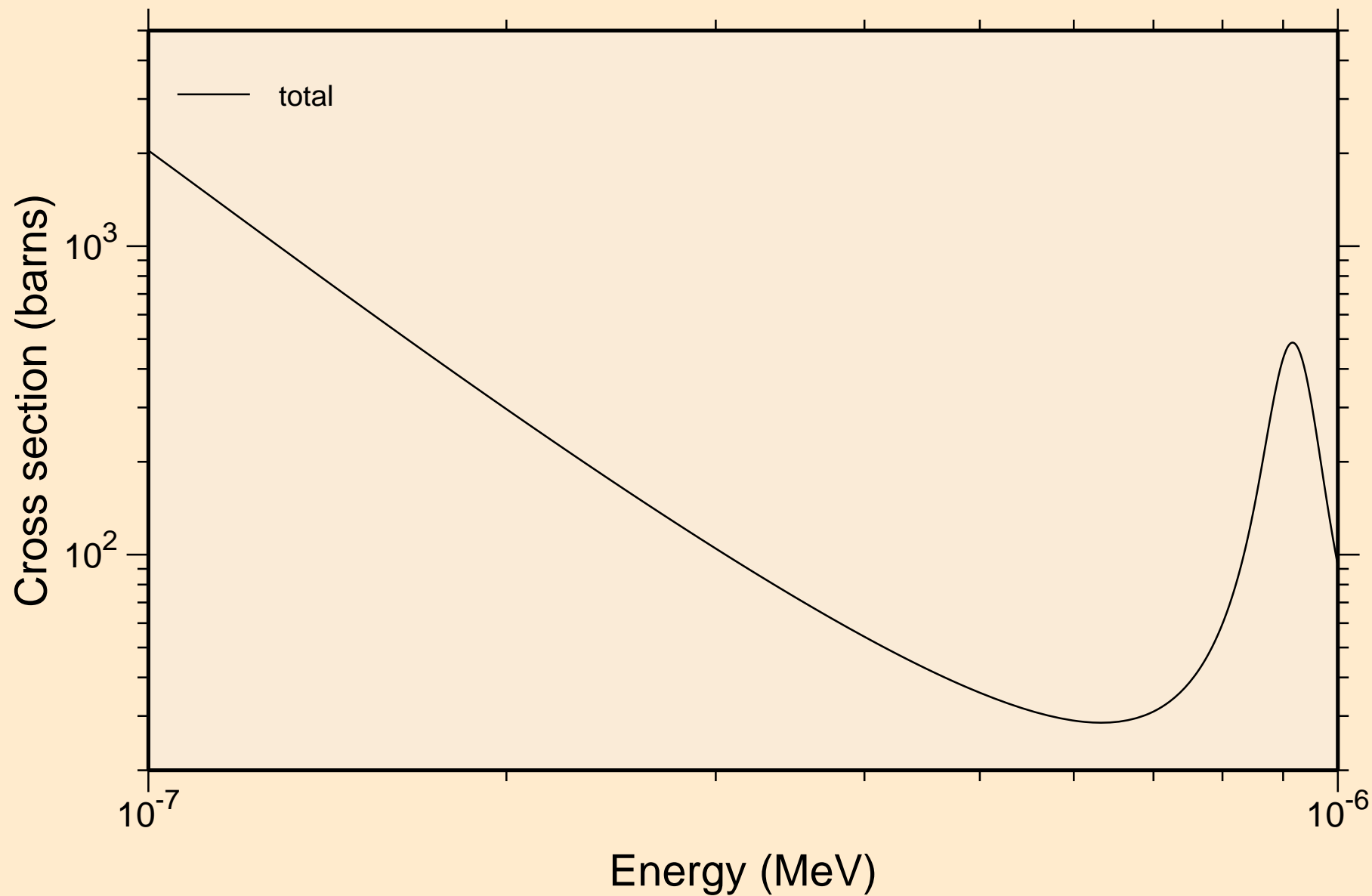


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

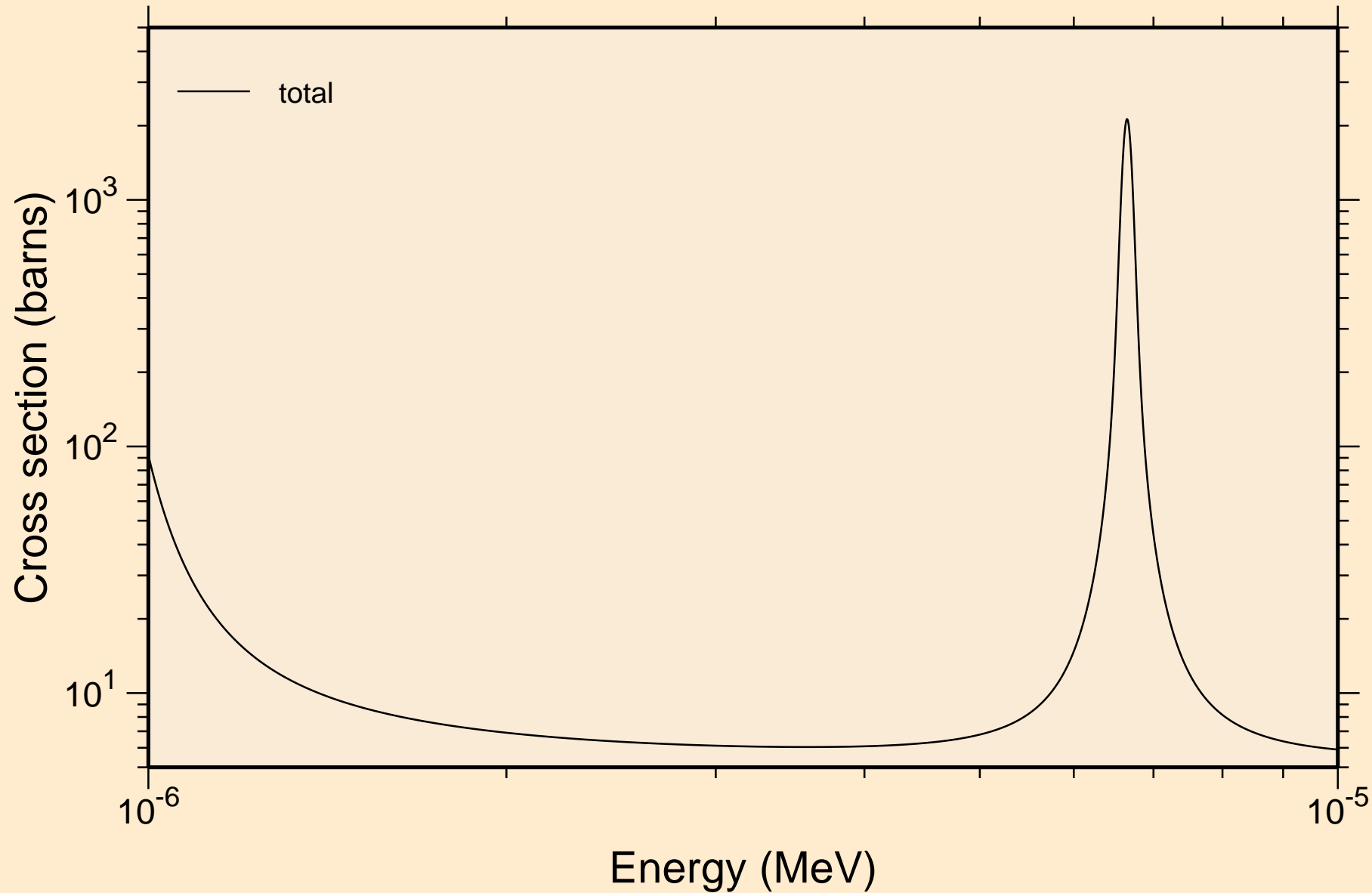
Principal cross sections



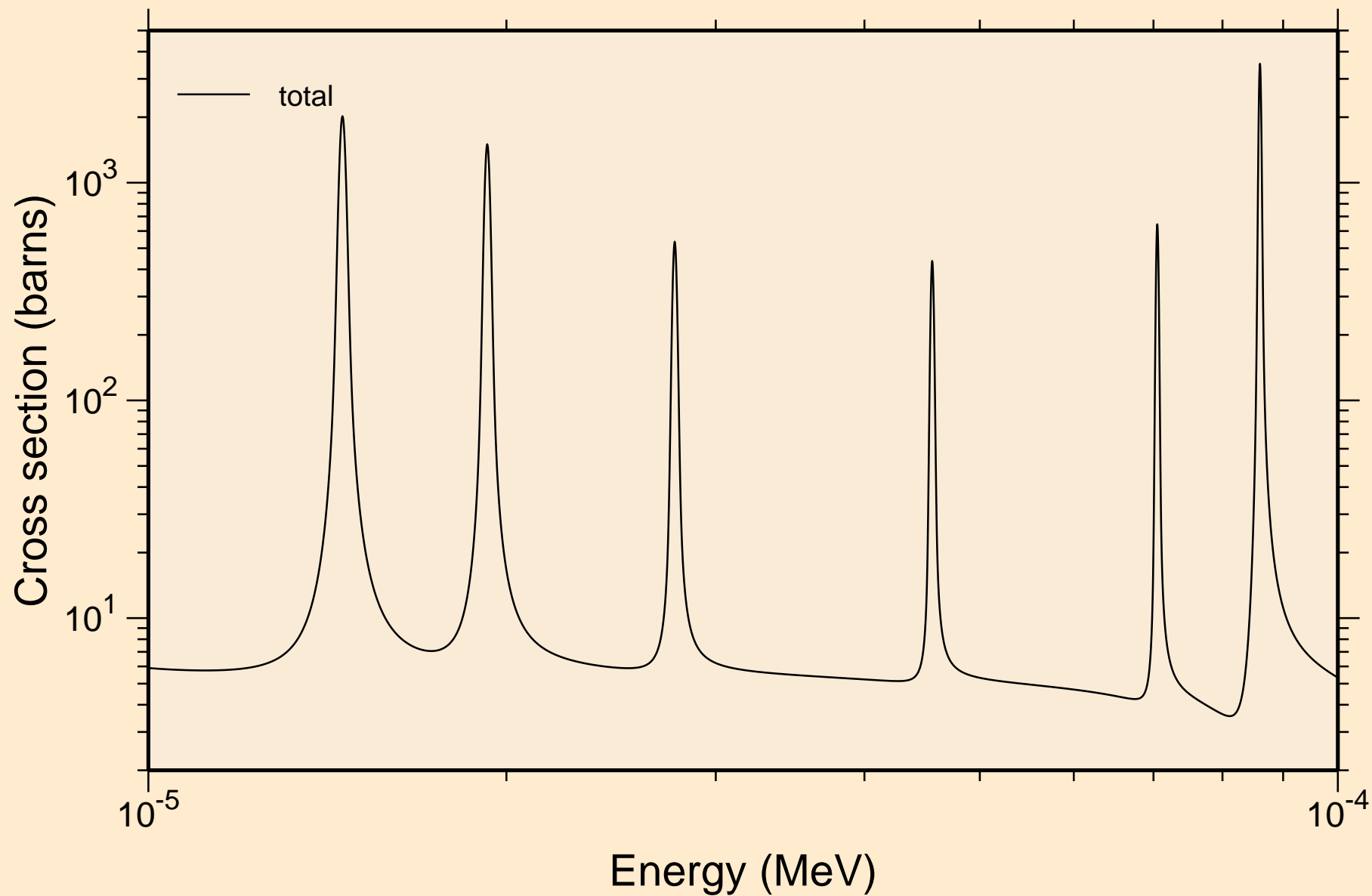
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



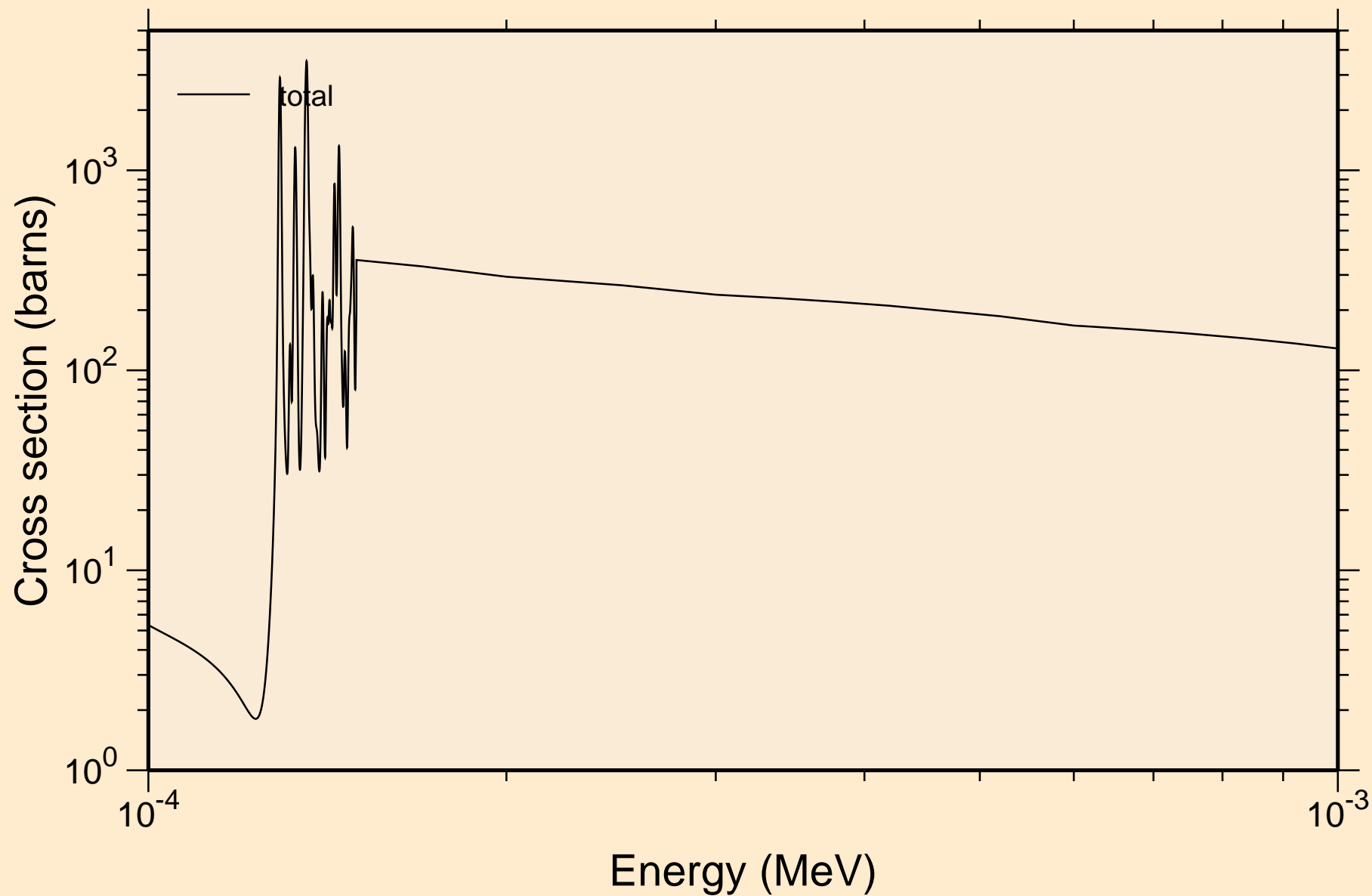
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



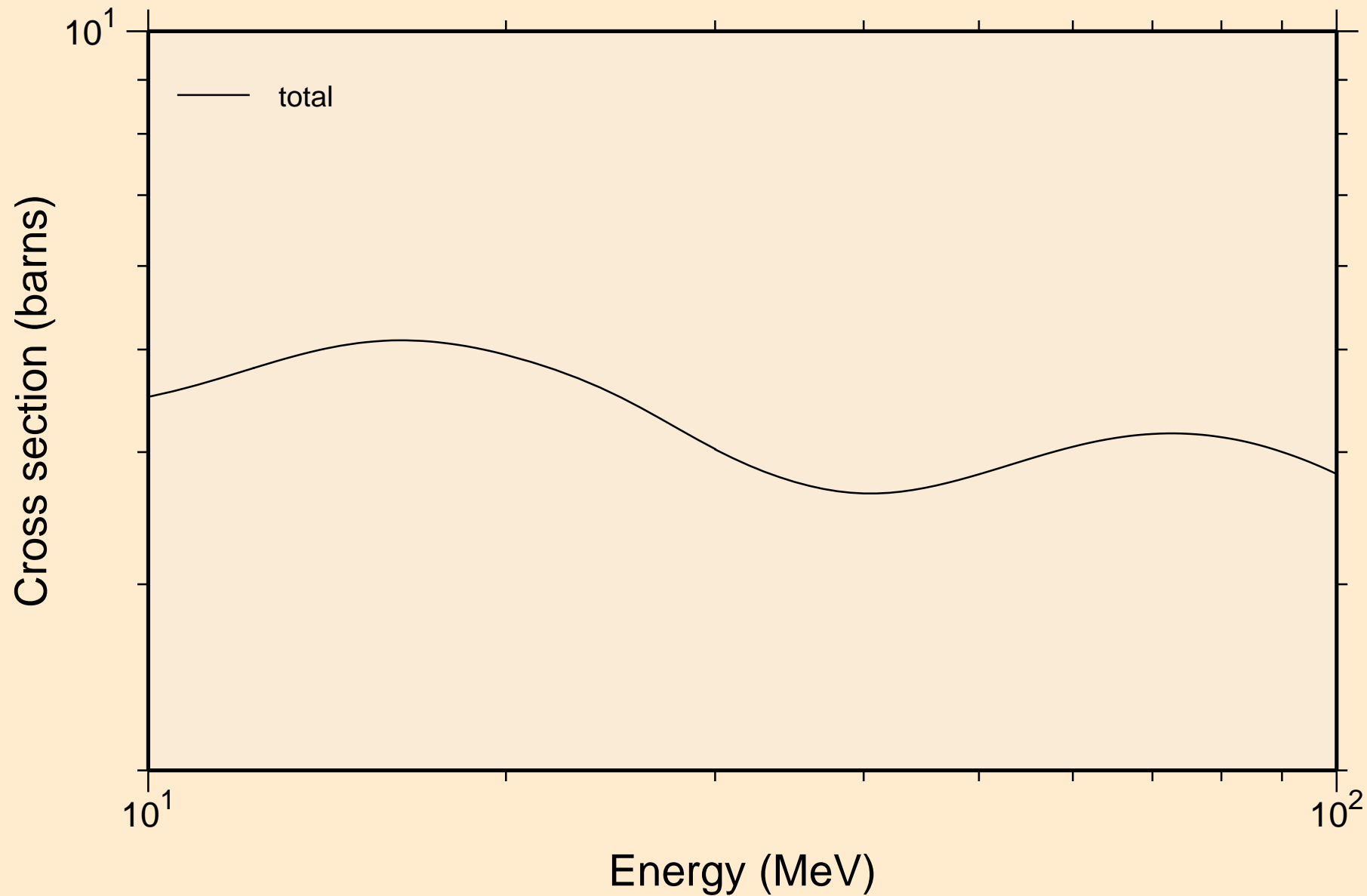
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



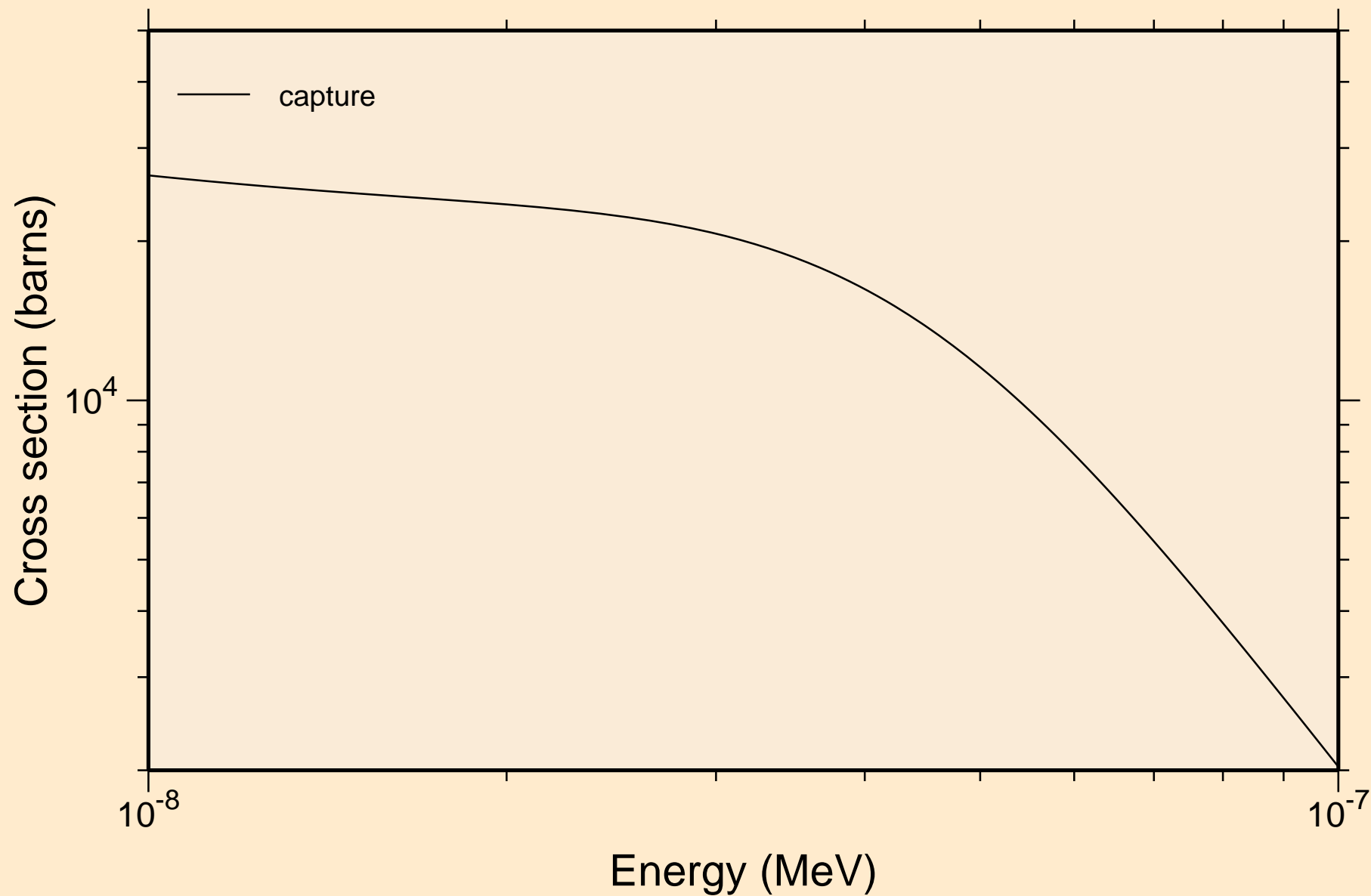
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



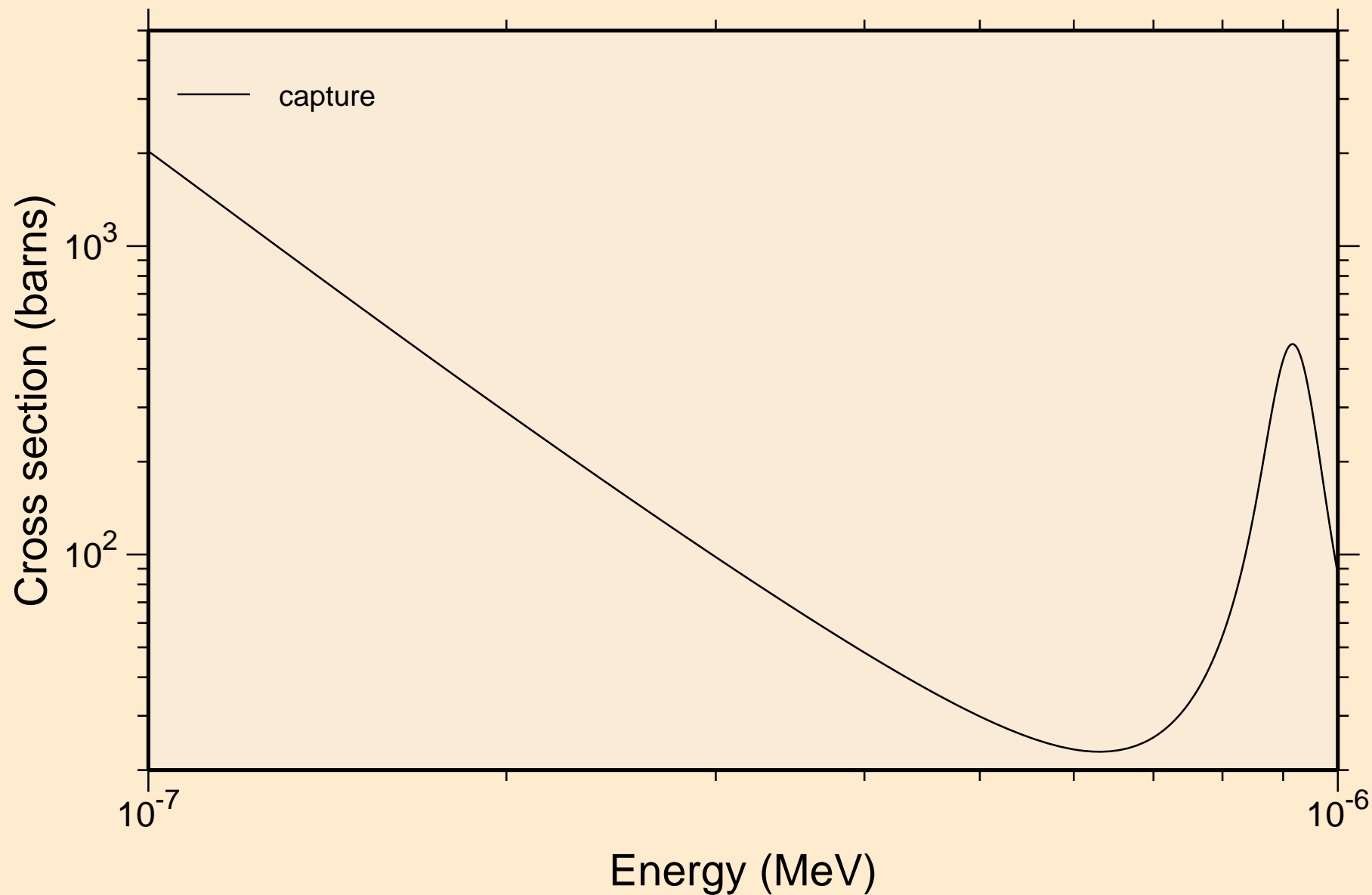
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



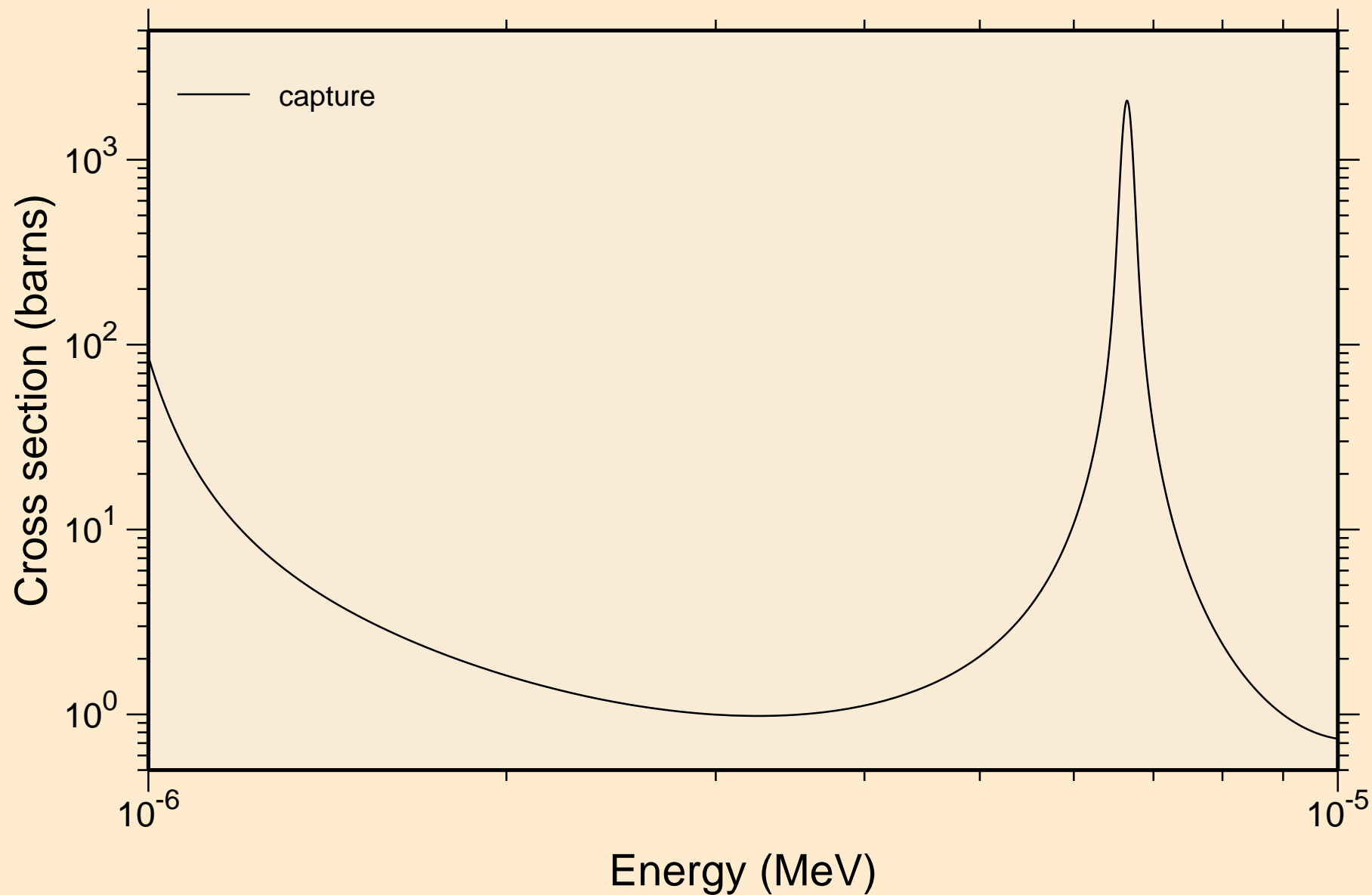
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



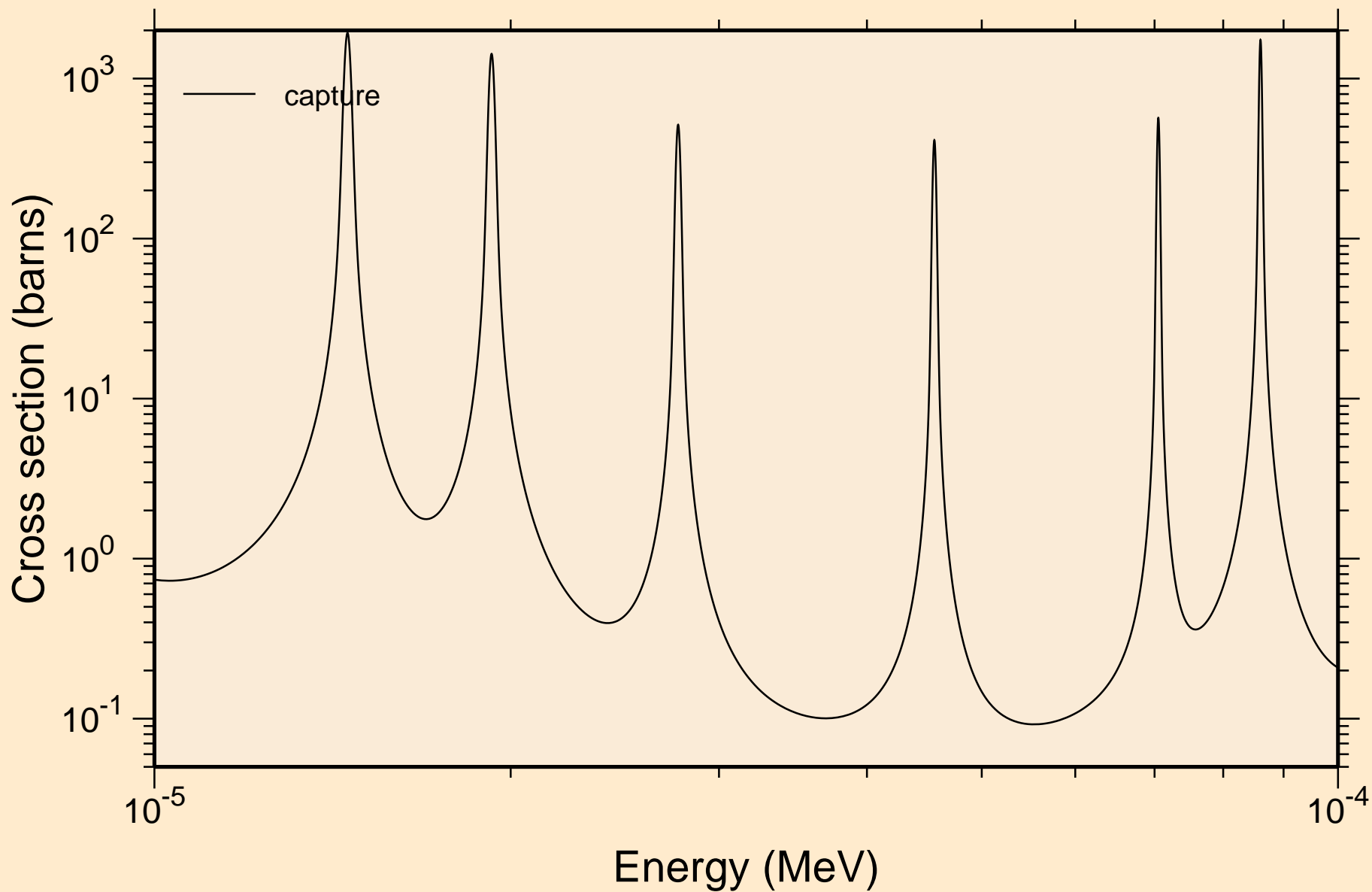
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



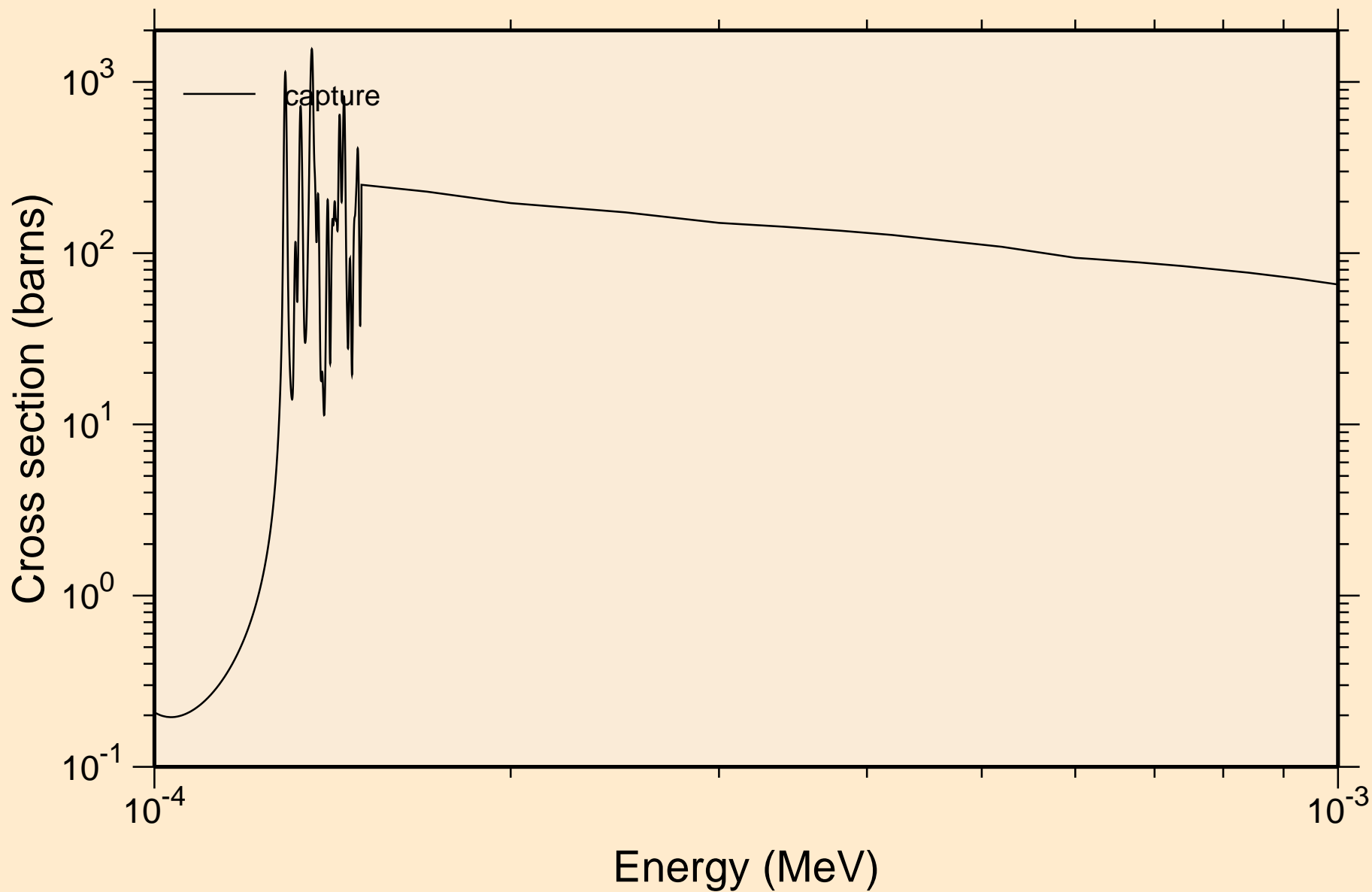
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



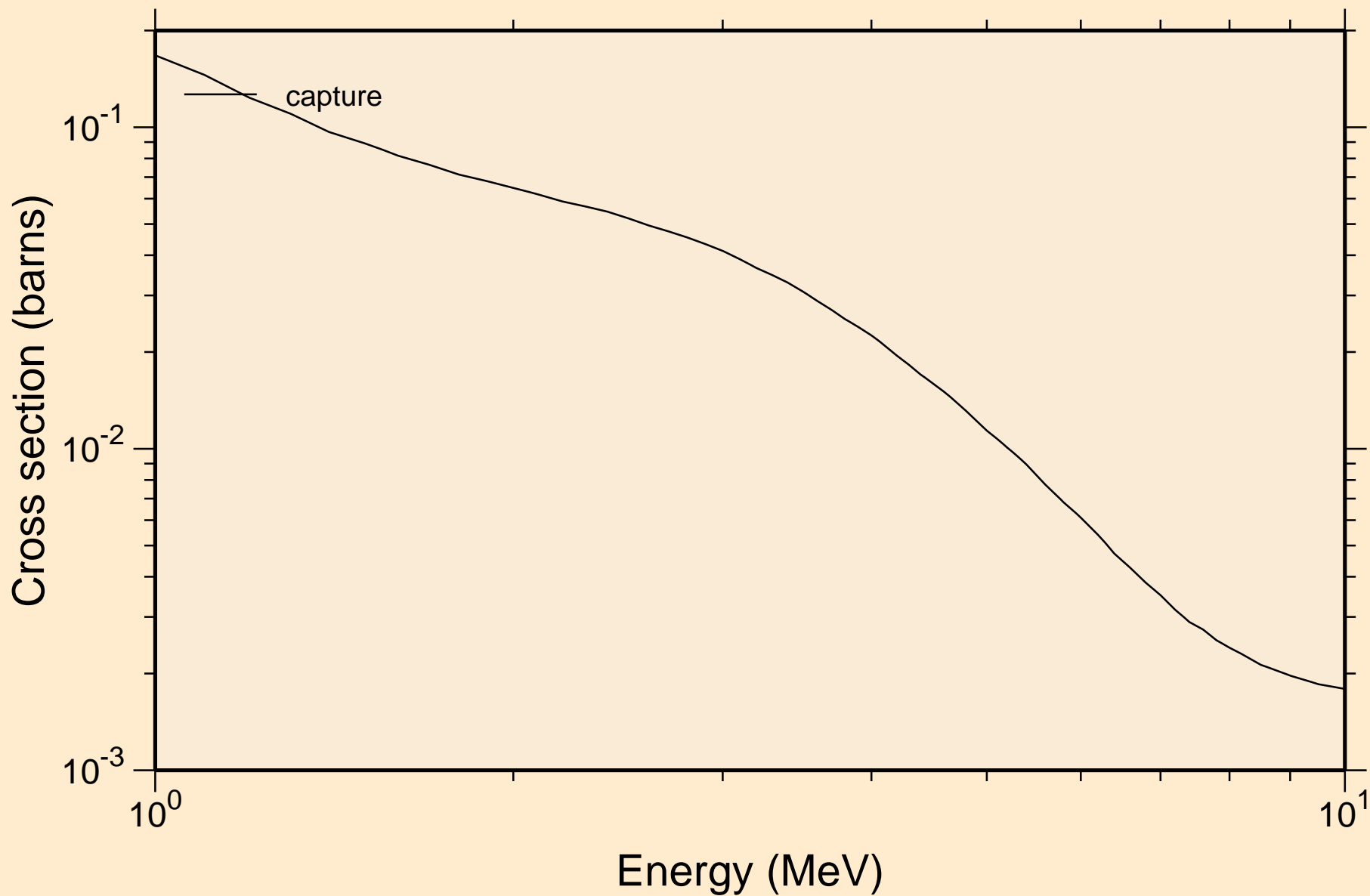
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



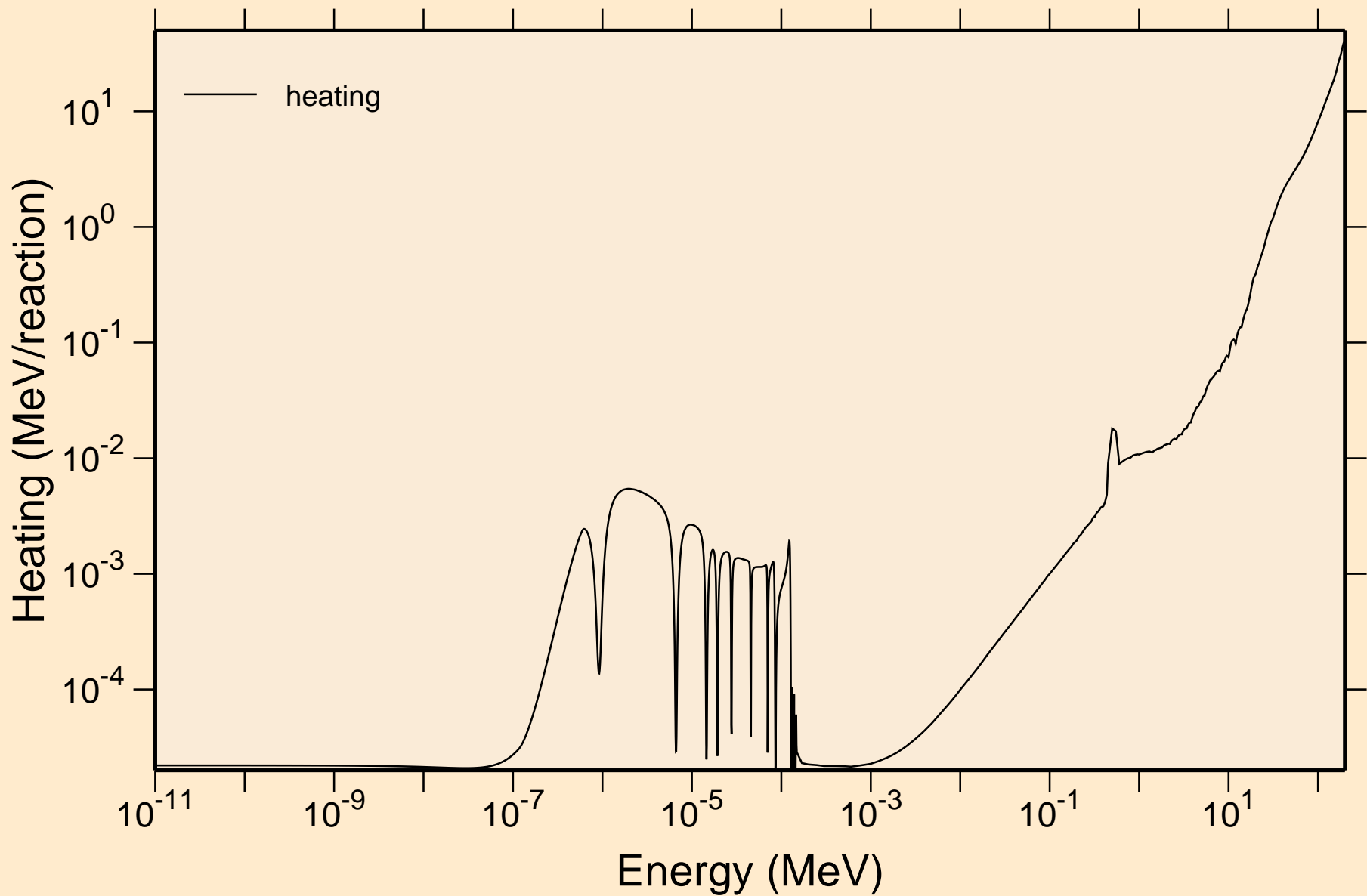
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



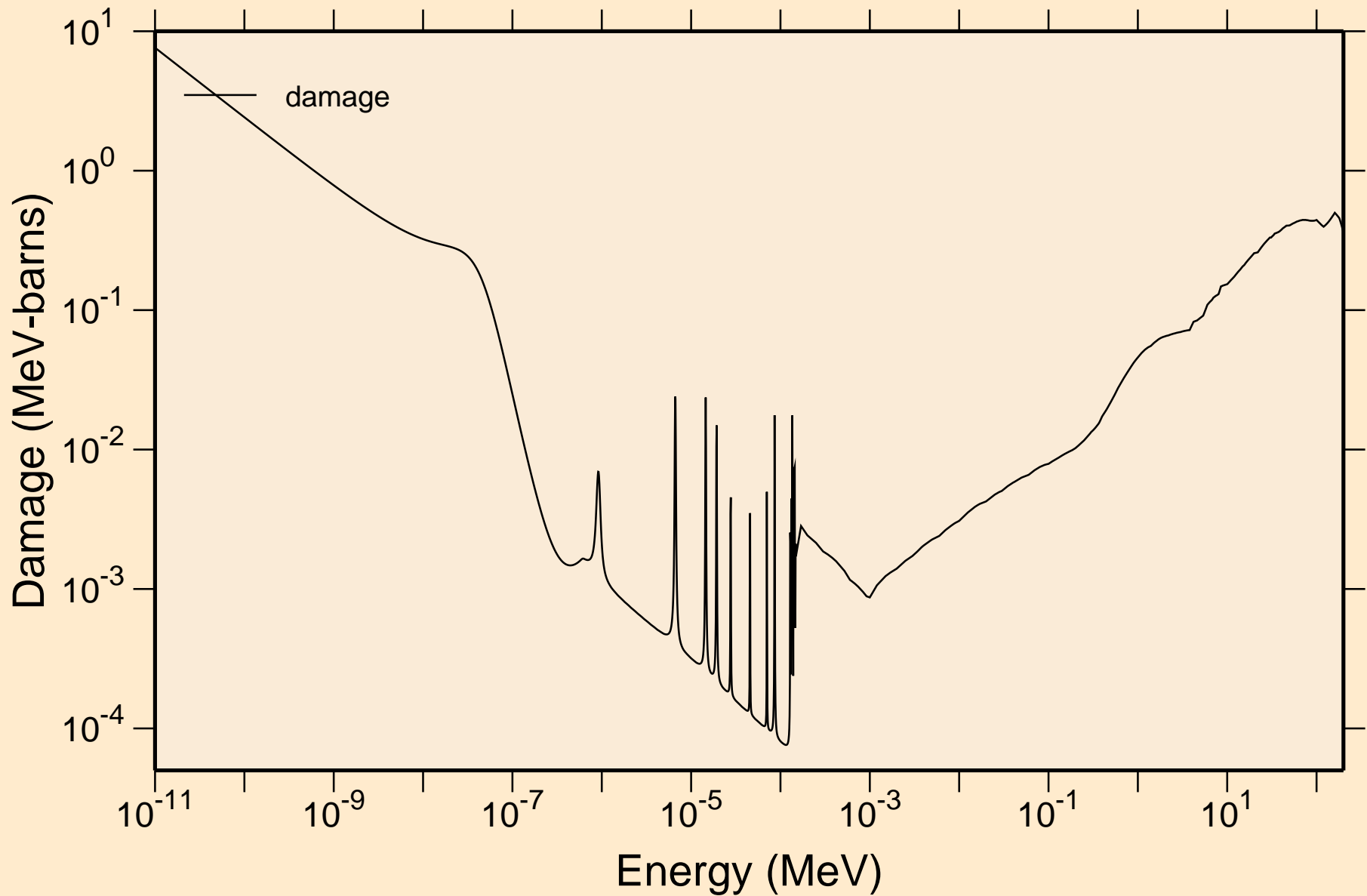
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

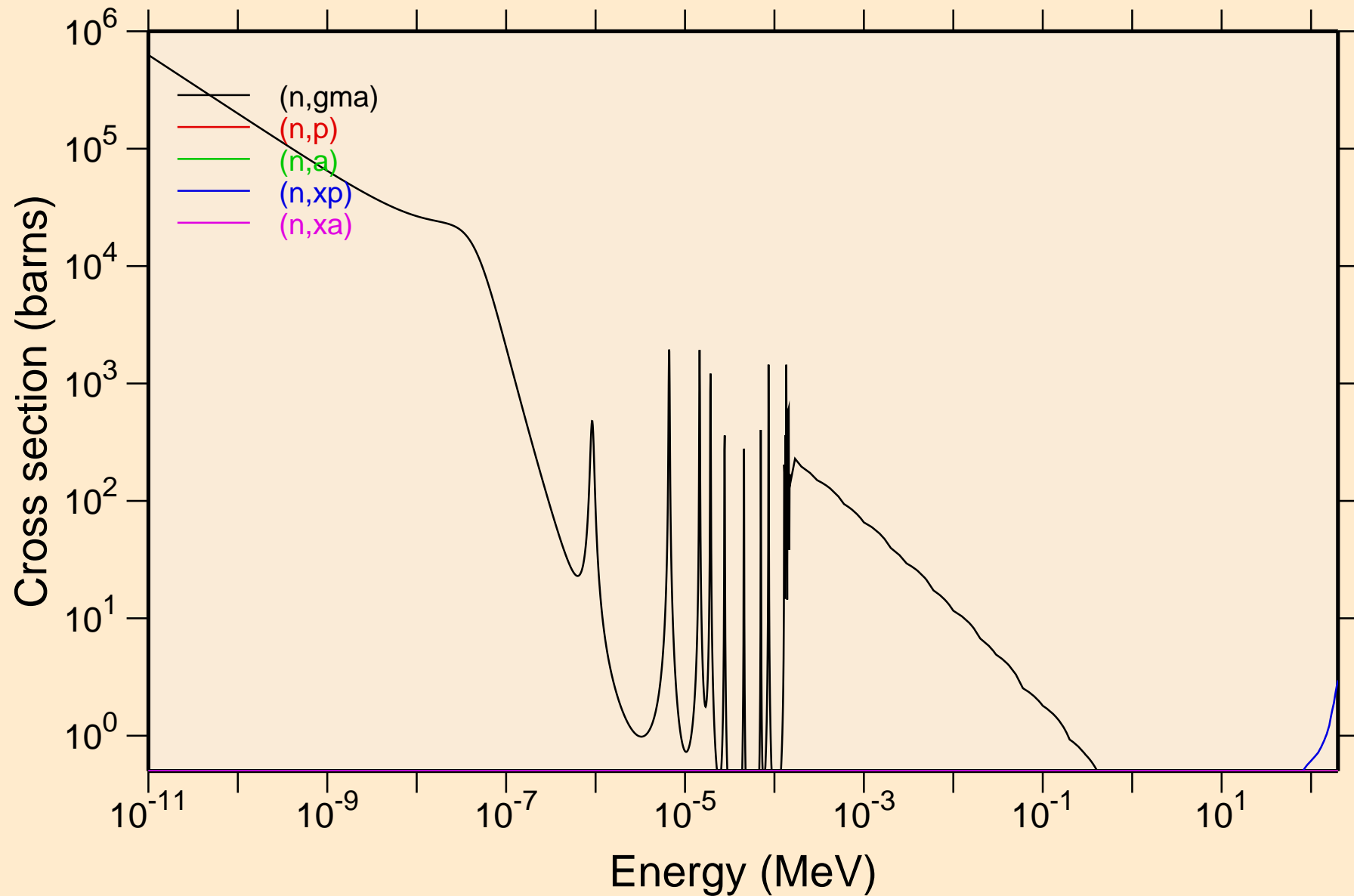


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

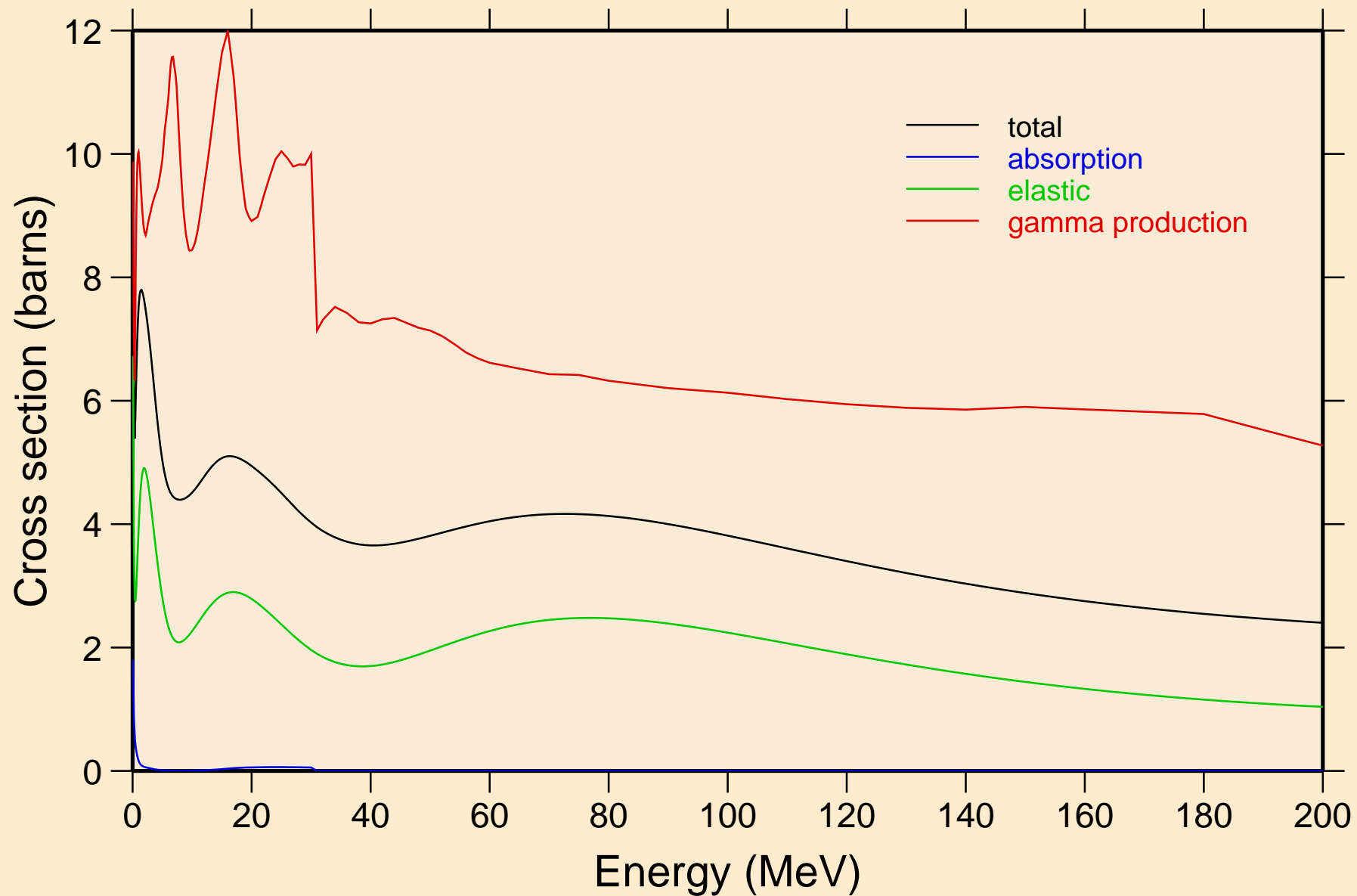


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

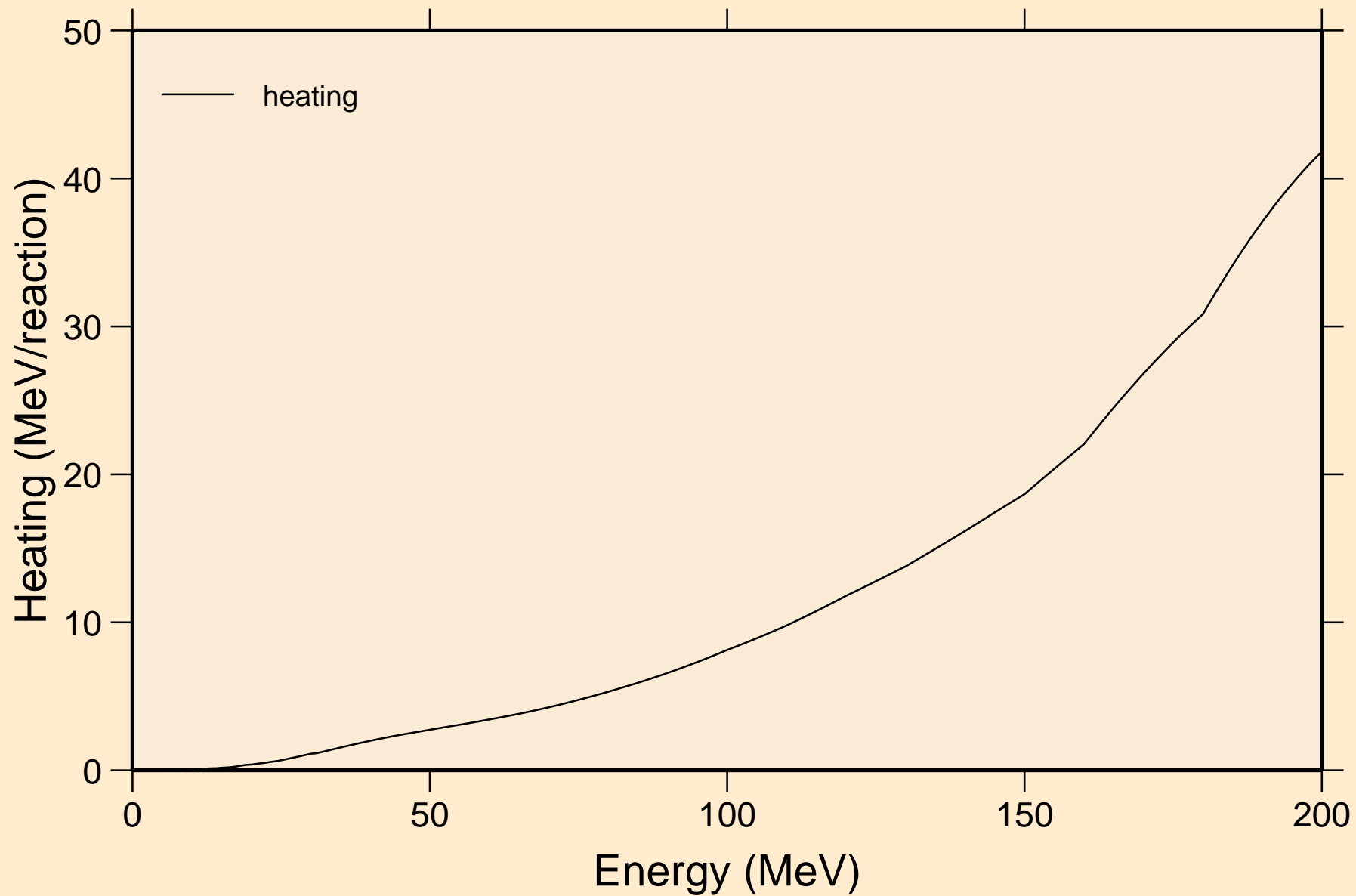
Non-threshold reactions



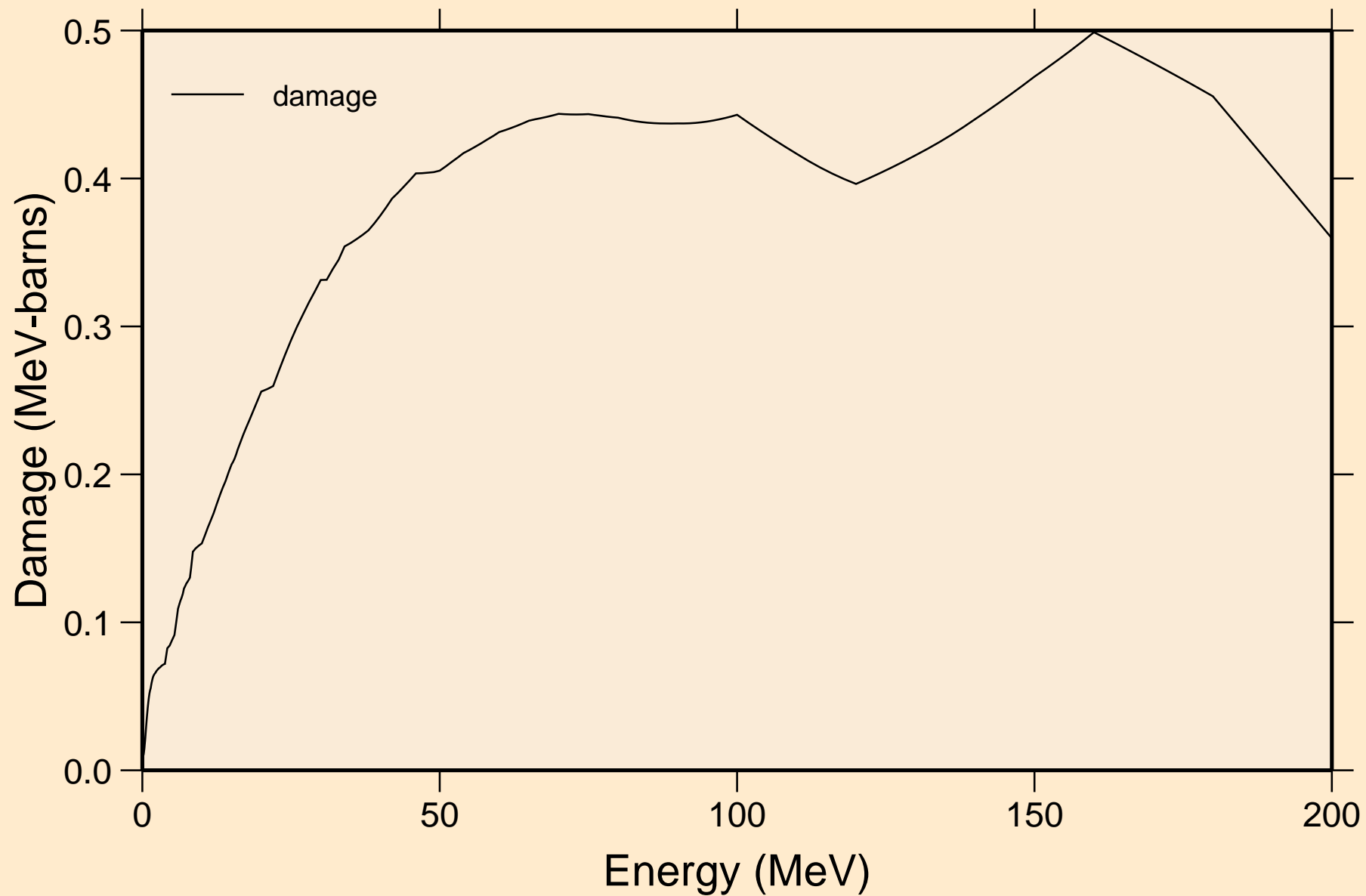
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

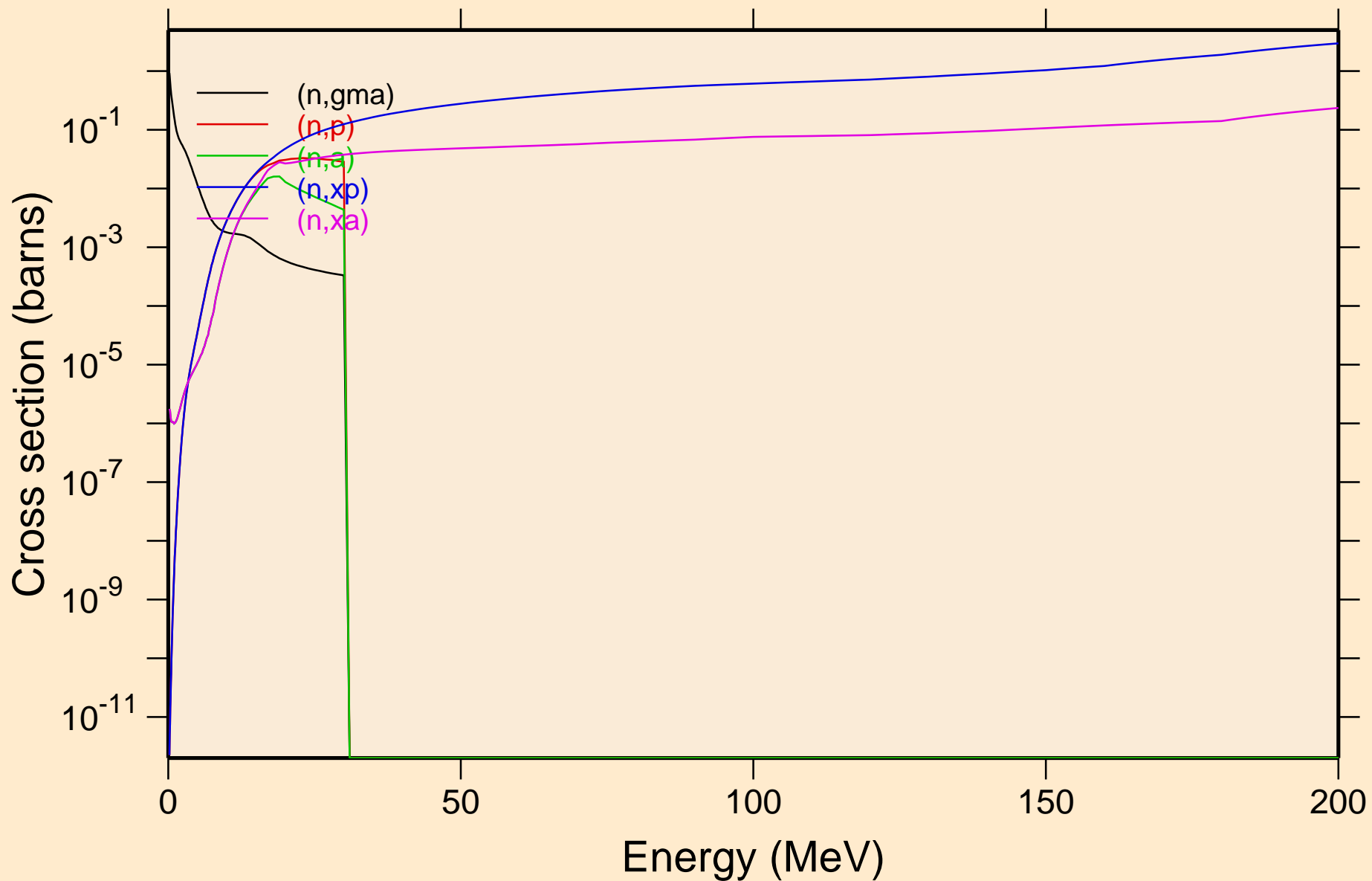


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

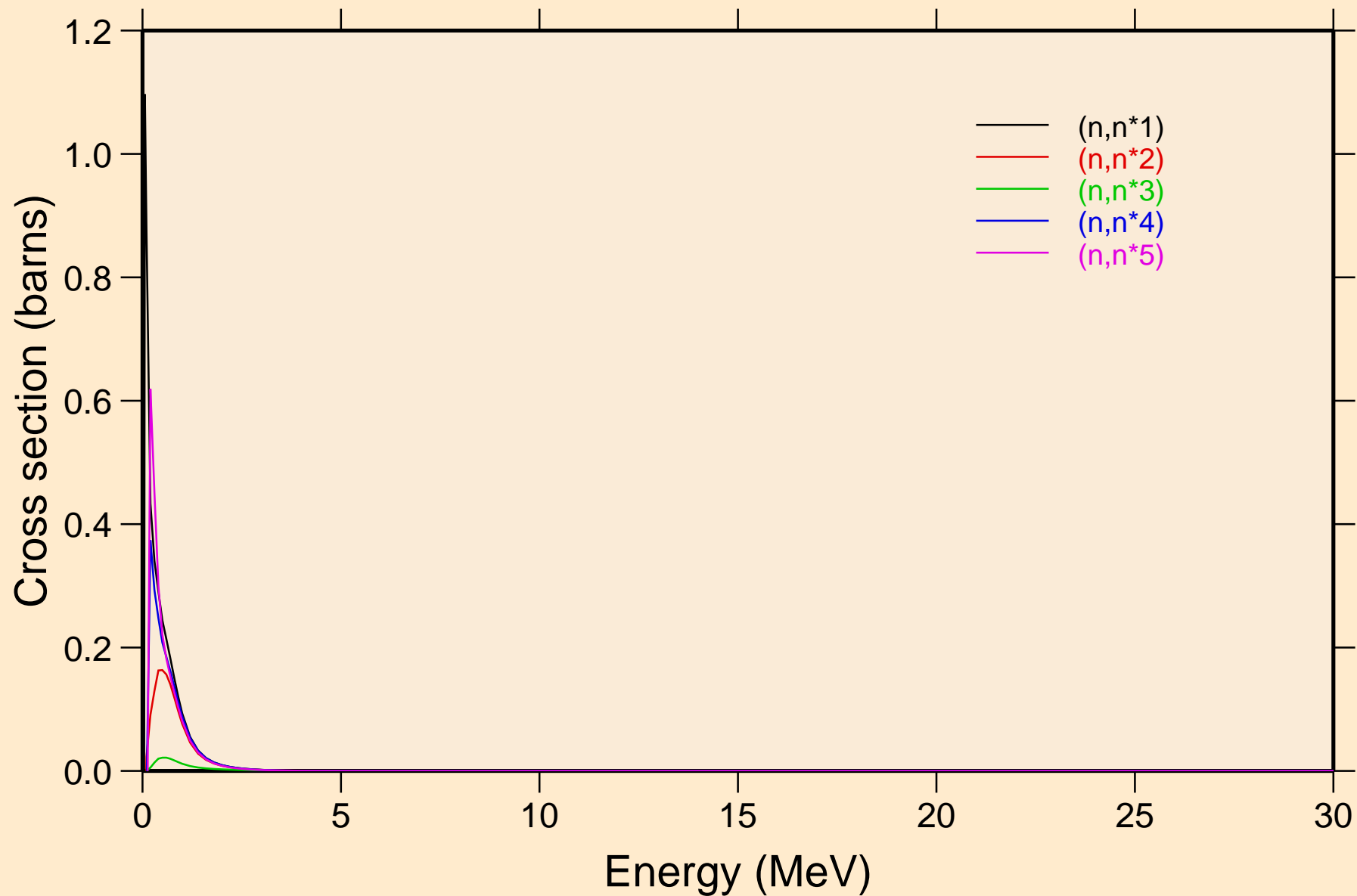


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

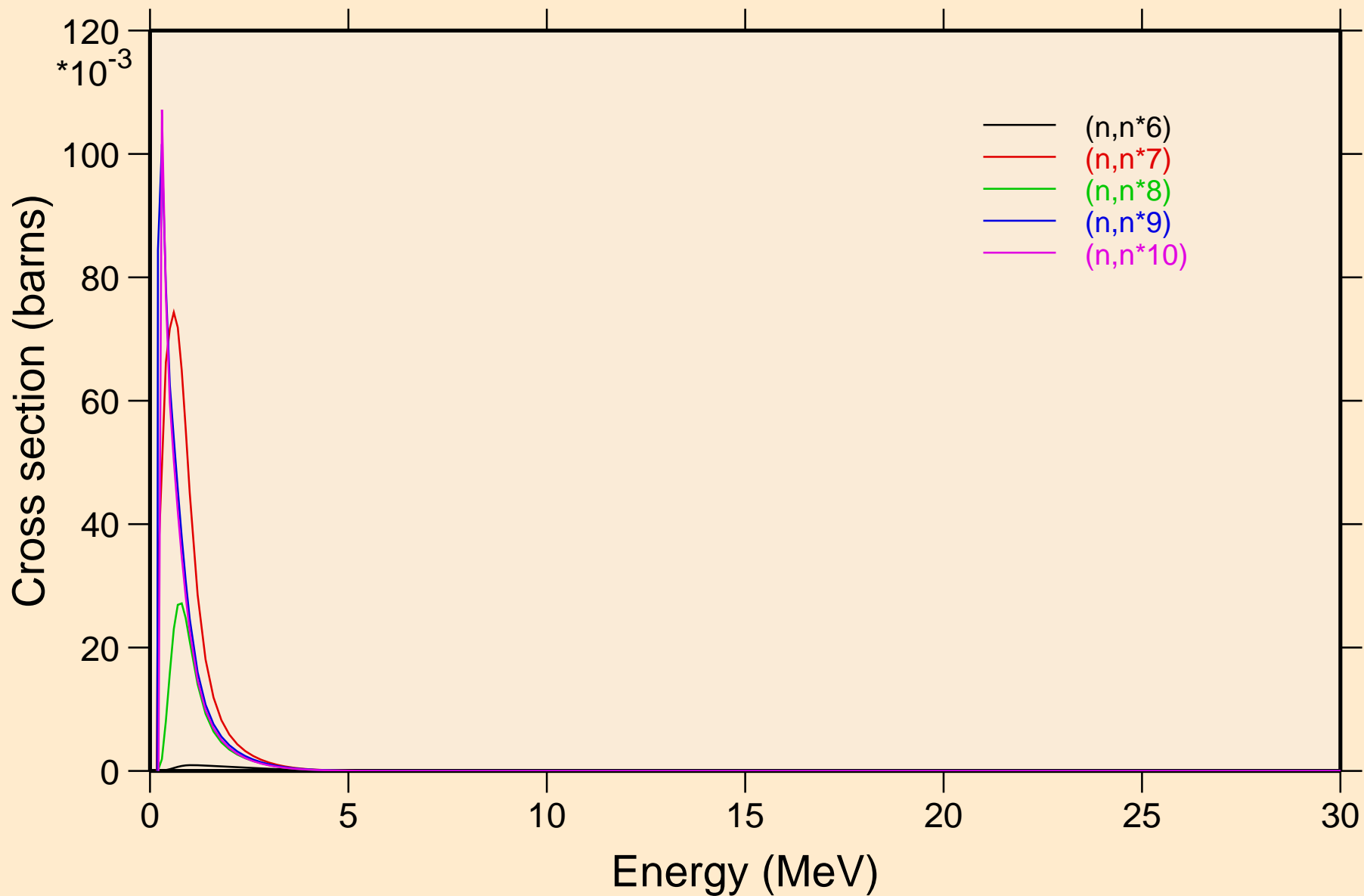
Non-threshold reactions



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

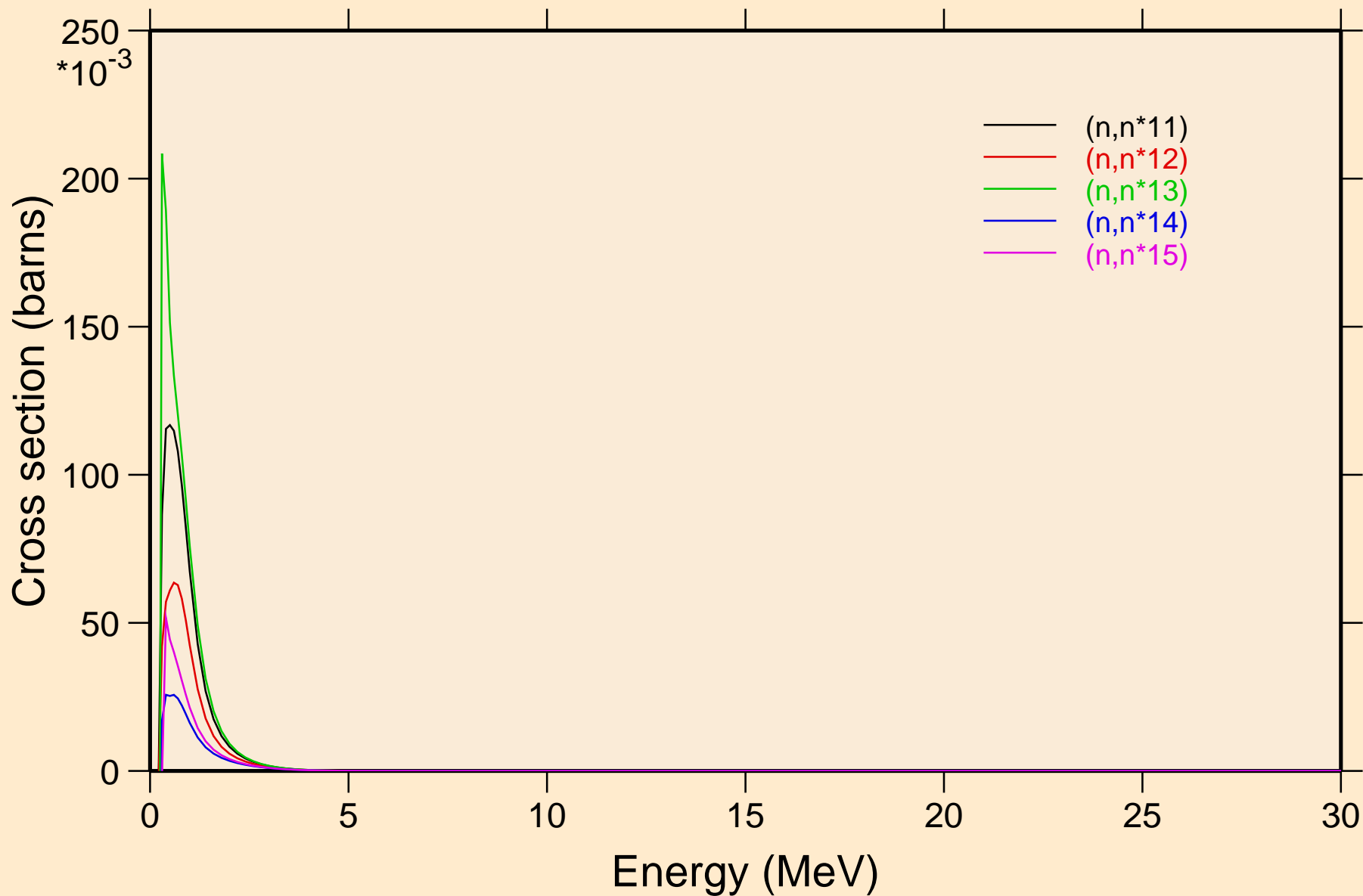


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



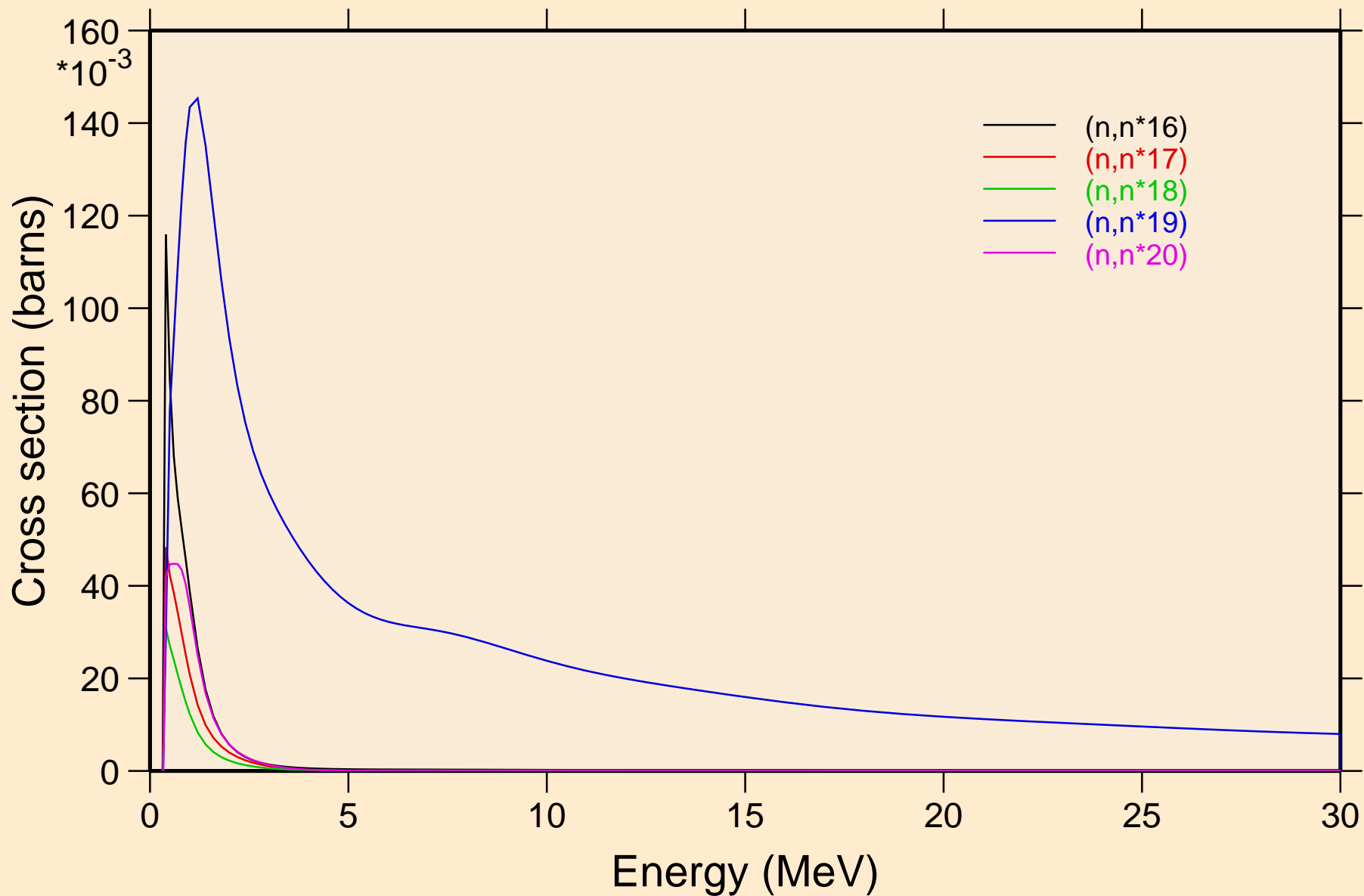
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Inelastic levels

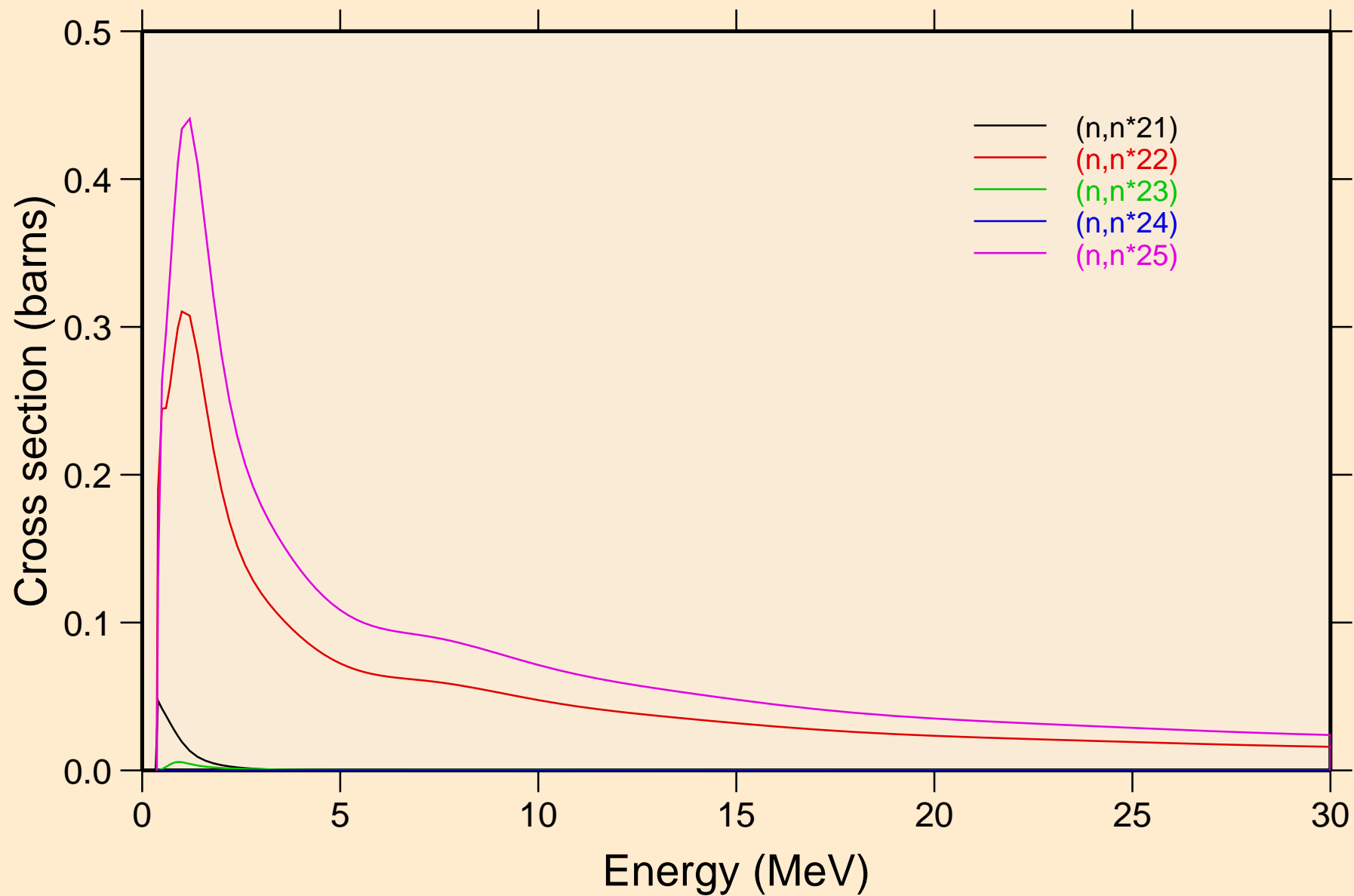


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

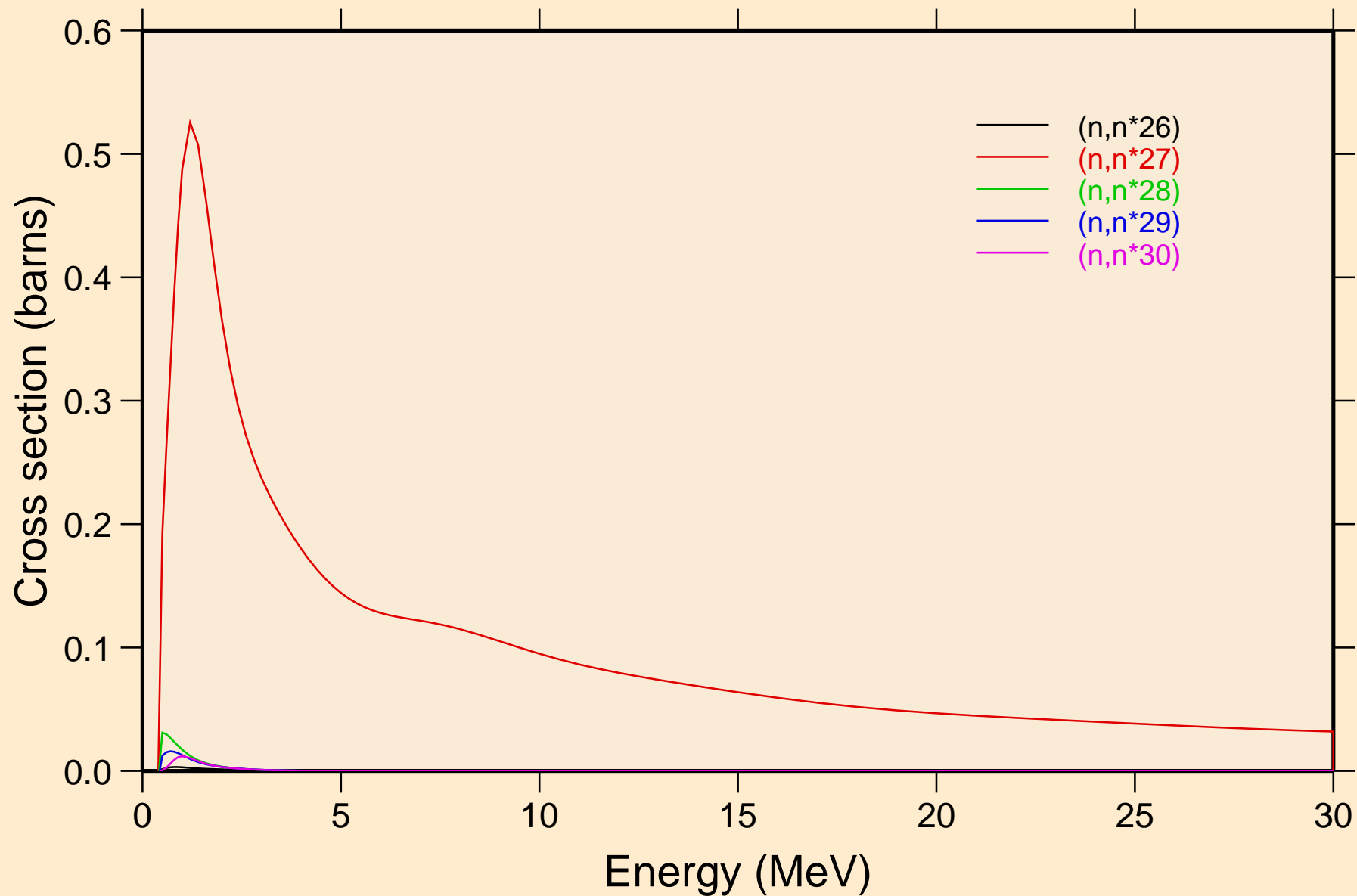
Inelastic levels



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

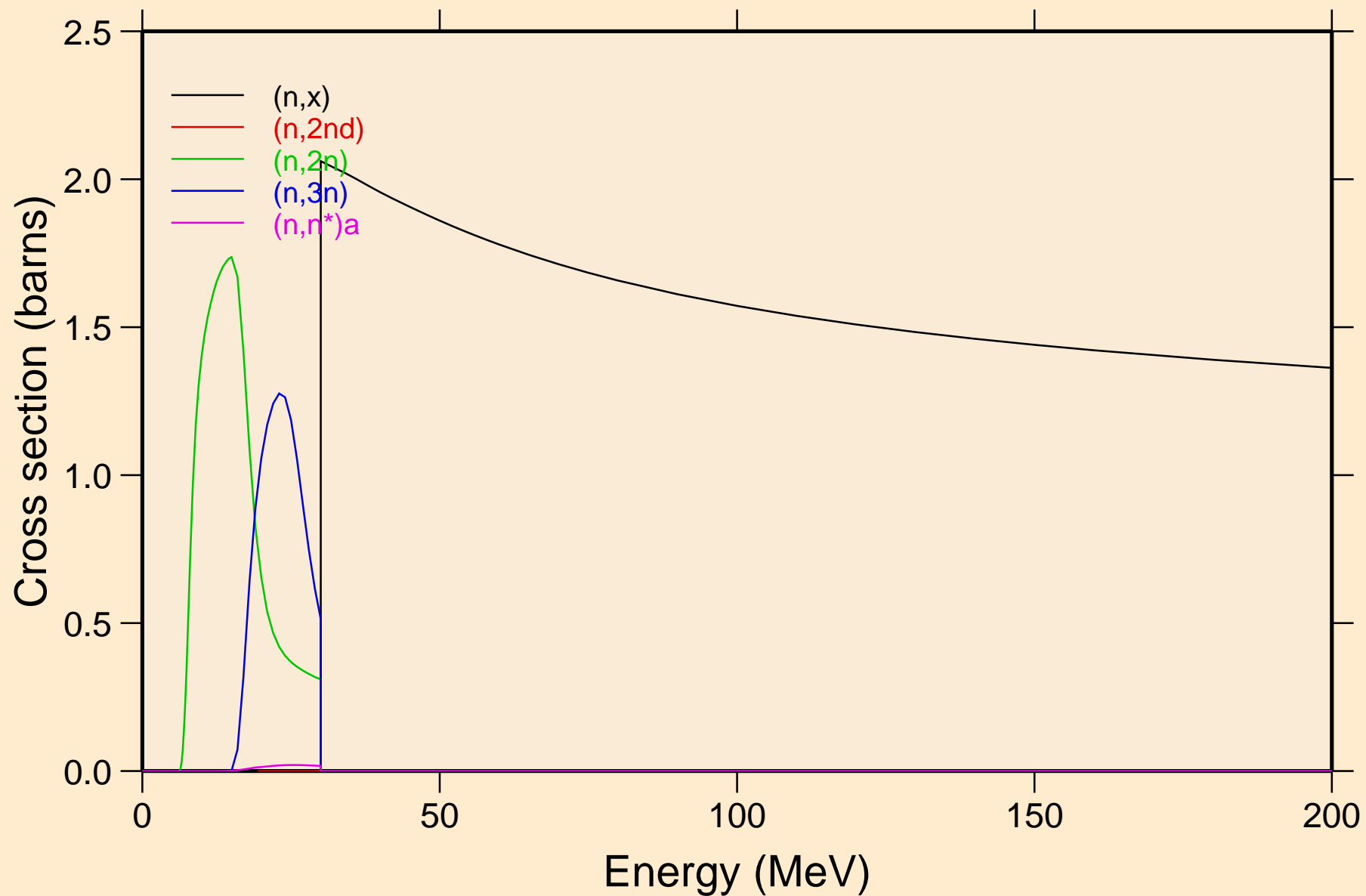


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



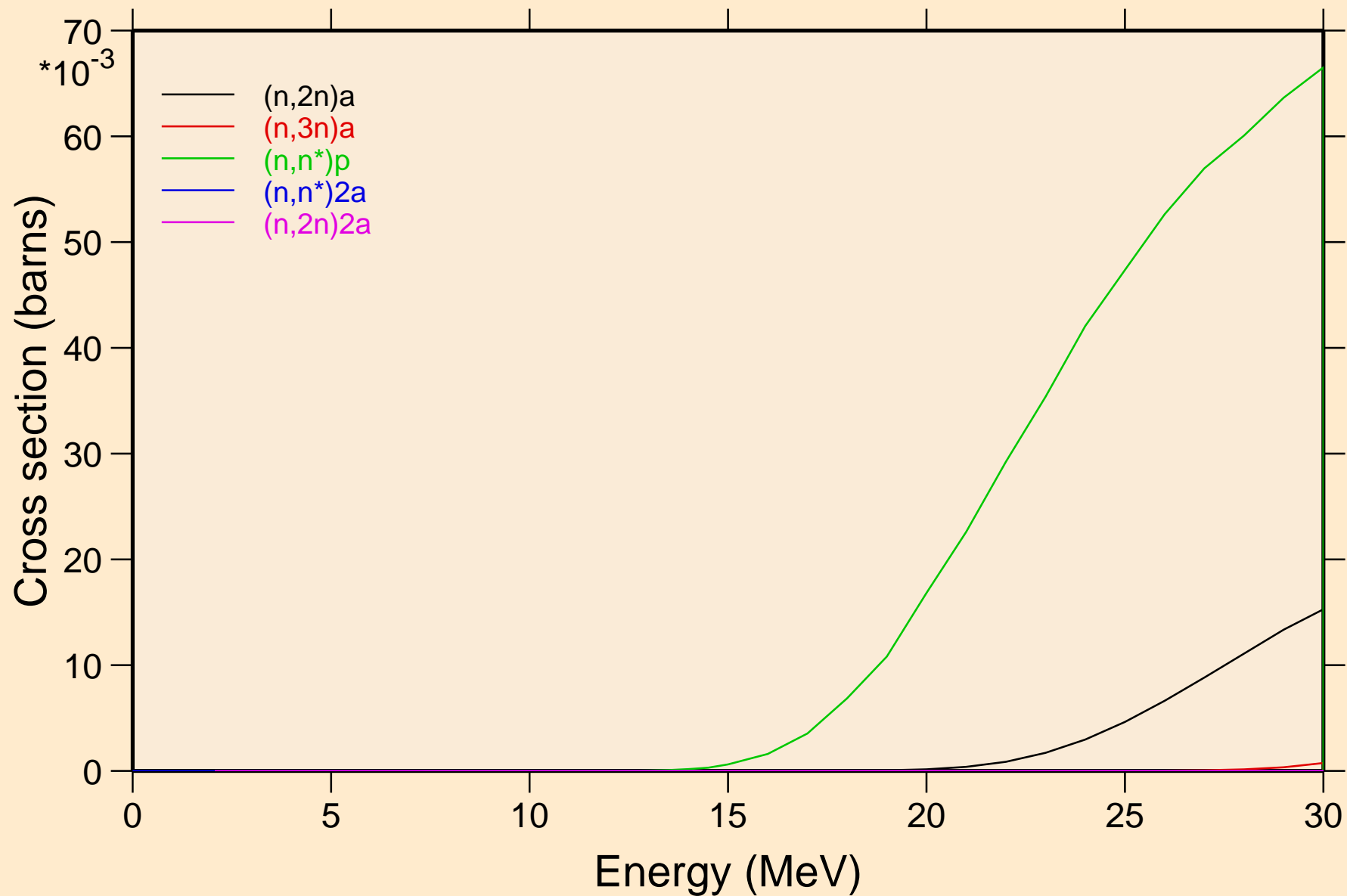
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



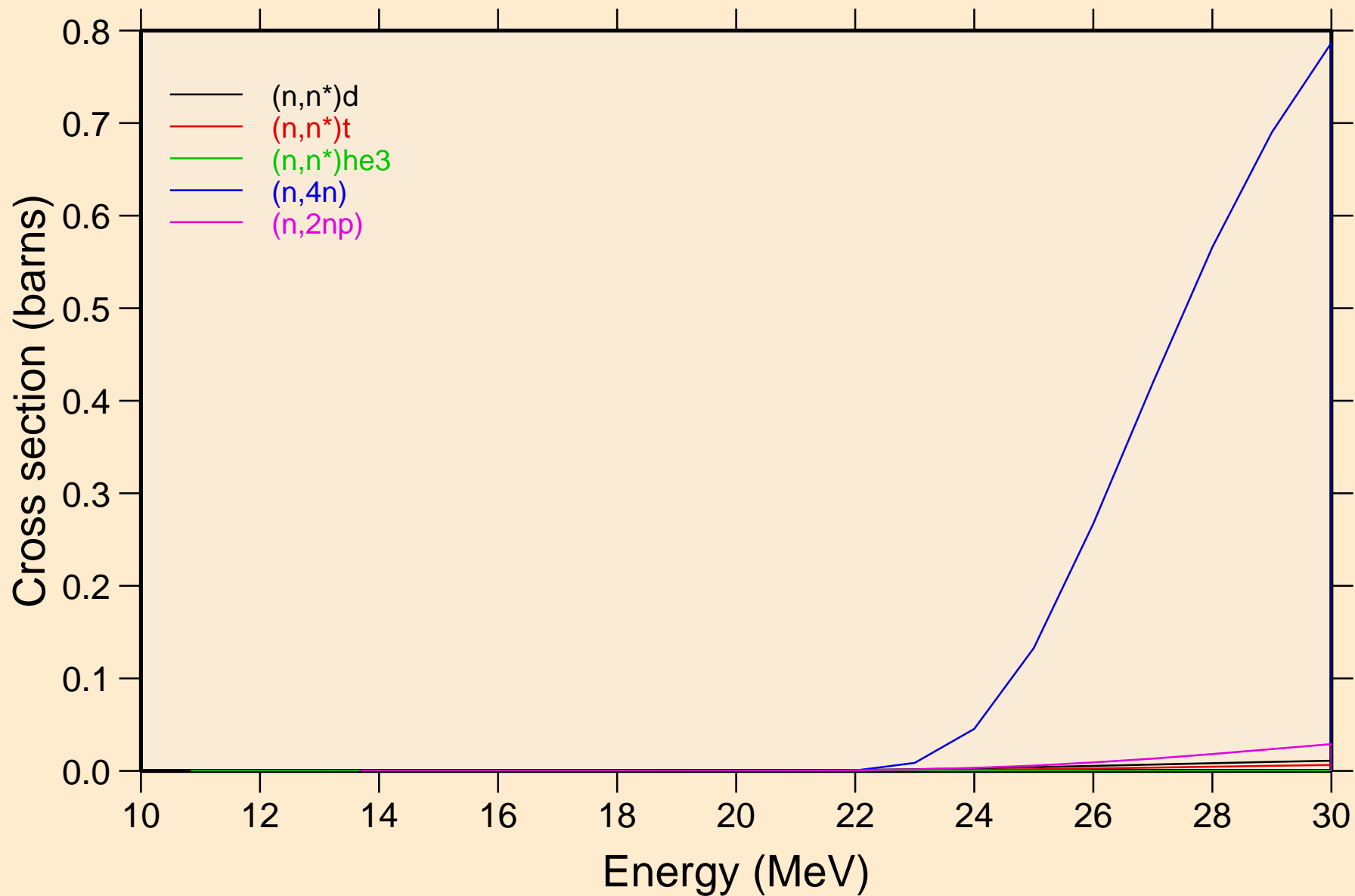
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

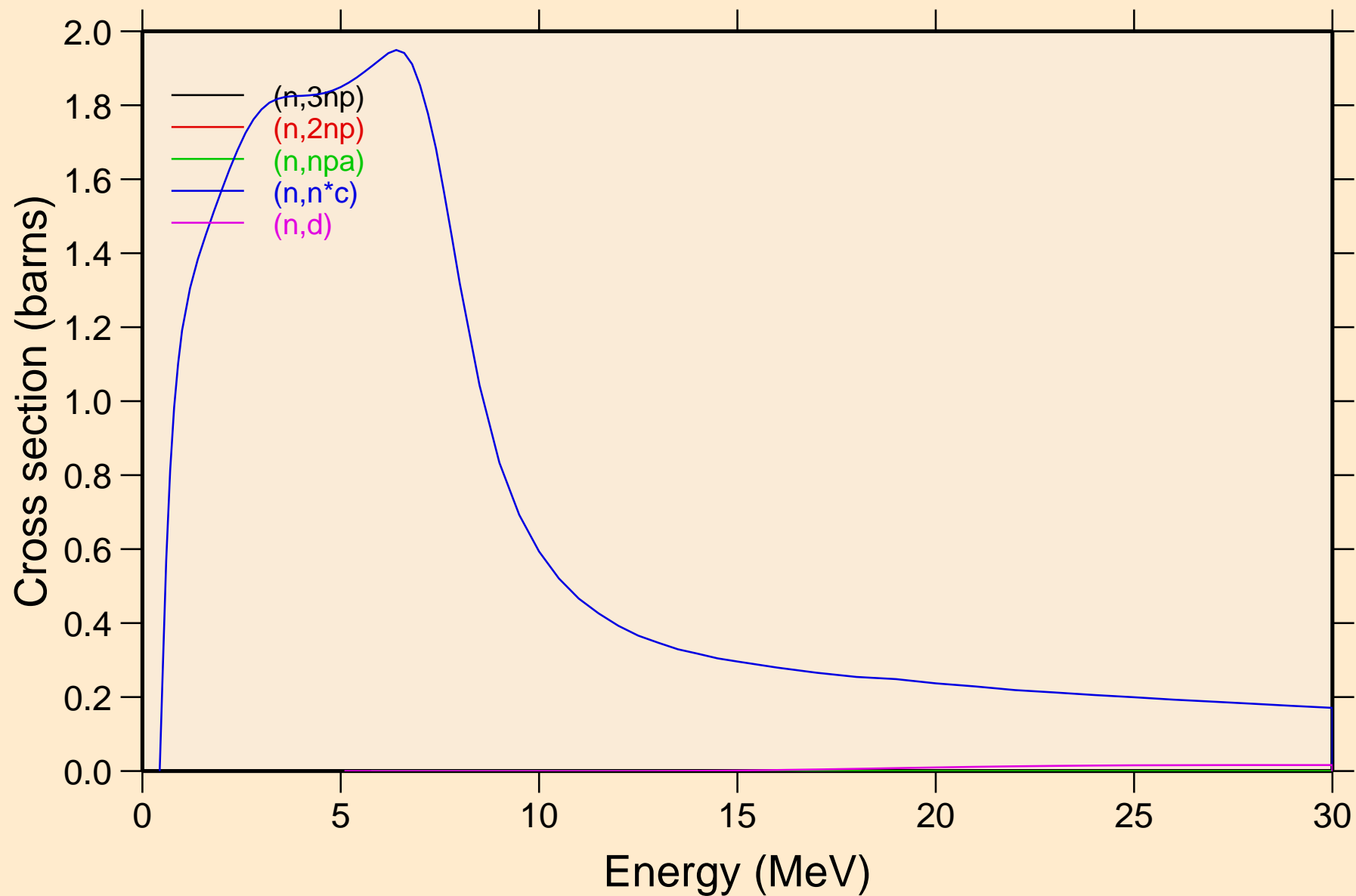


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

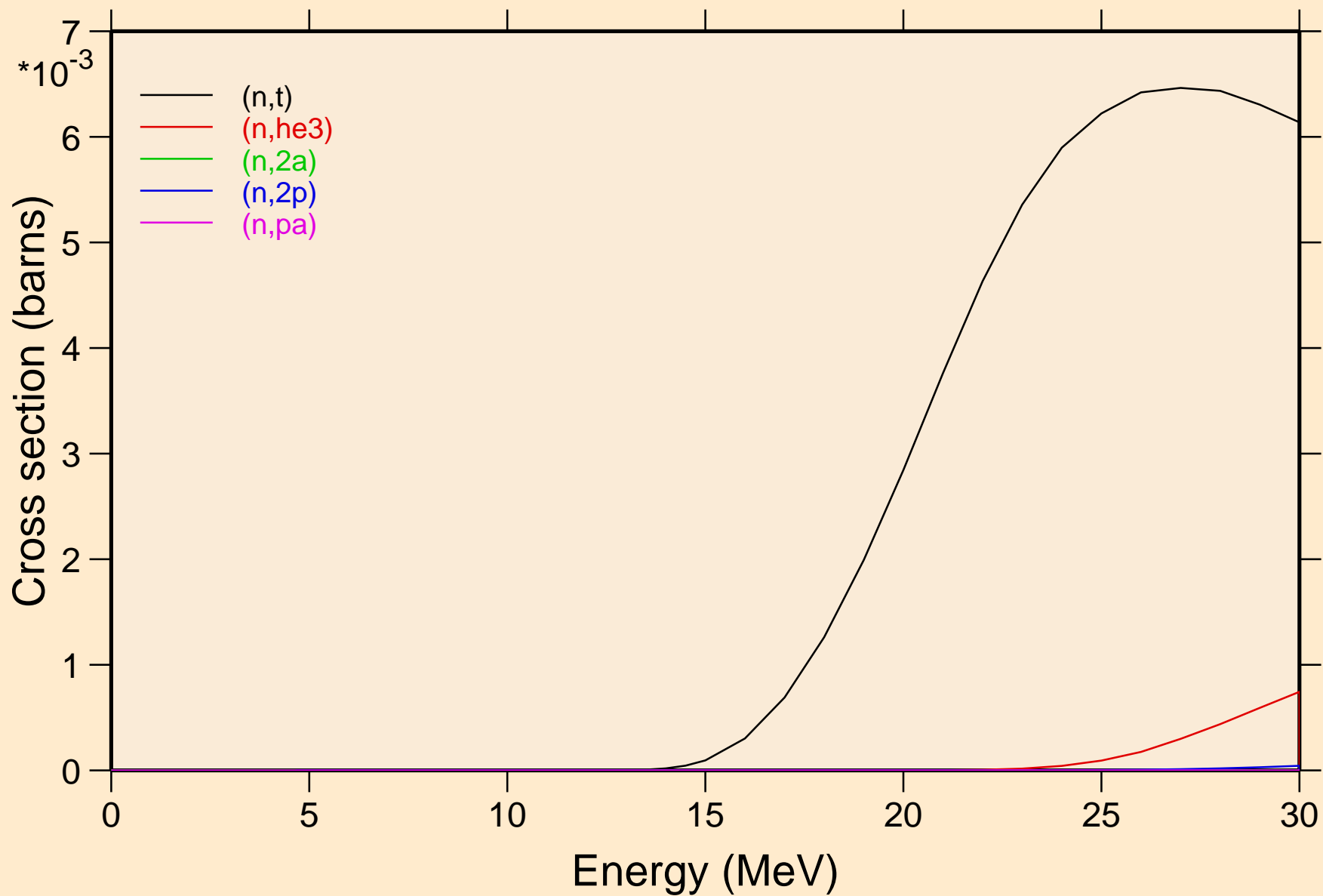
Threshold reactions



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

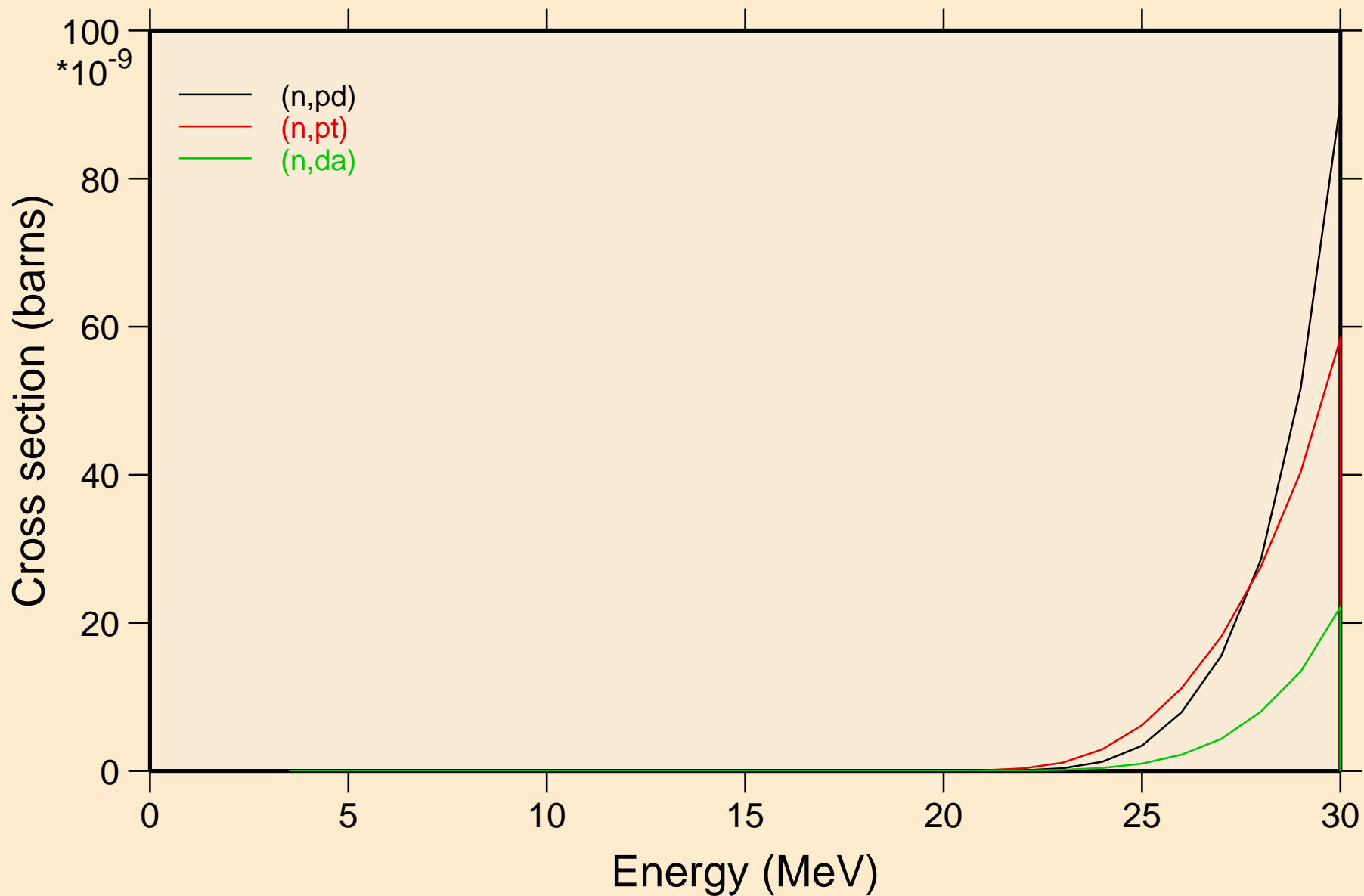


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

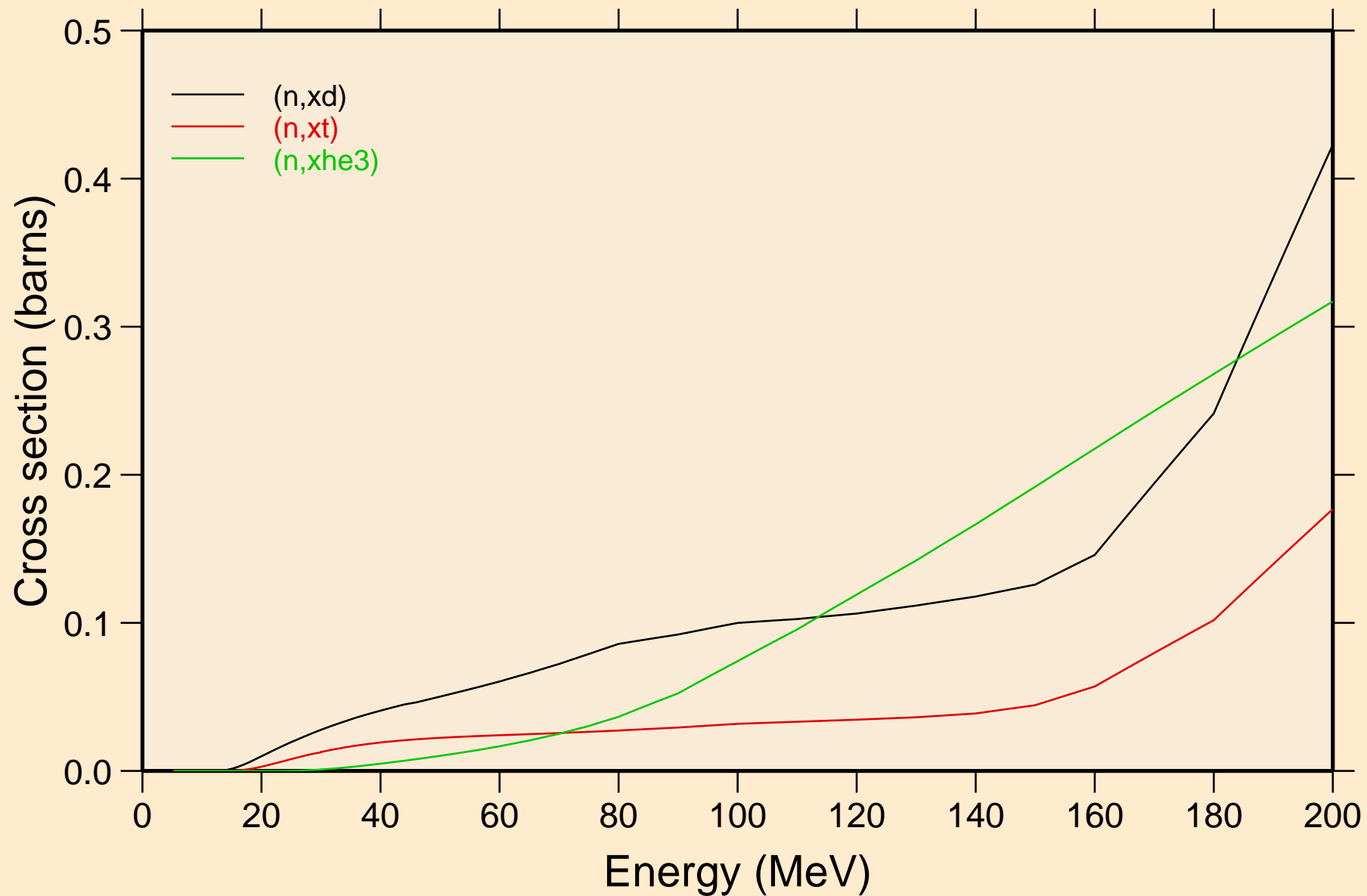


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

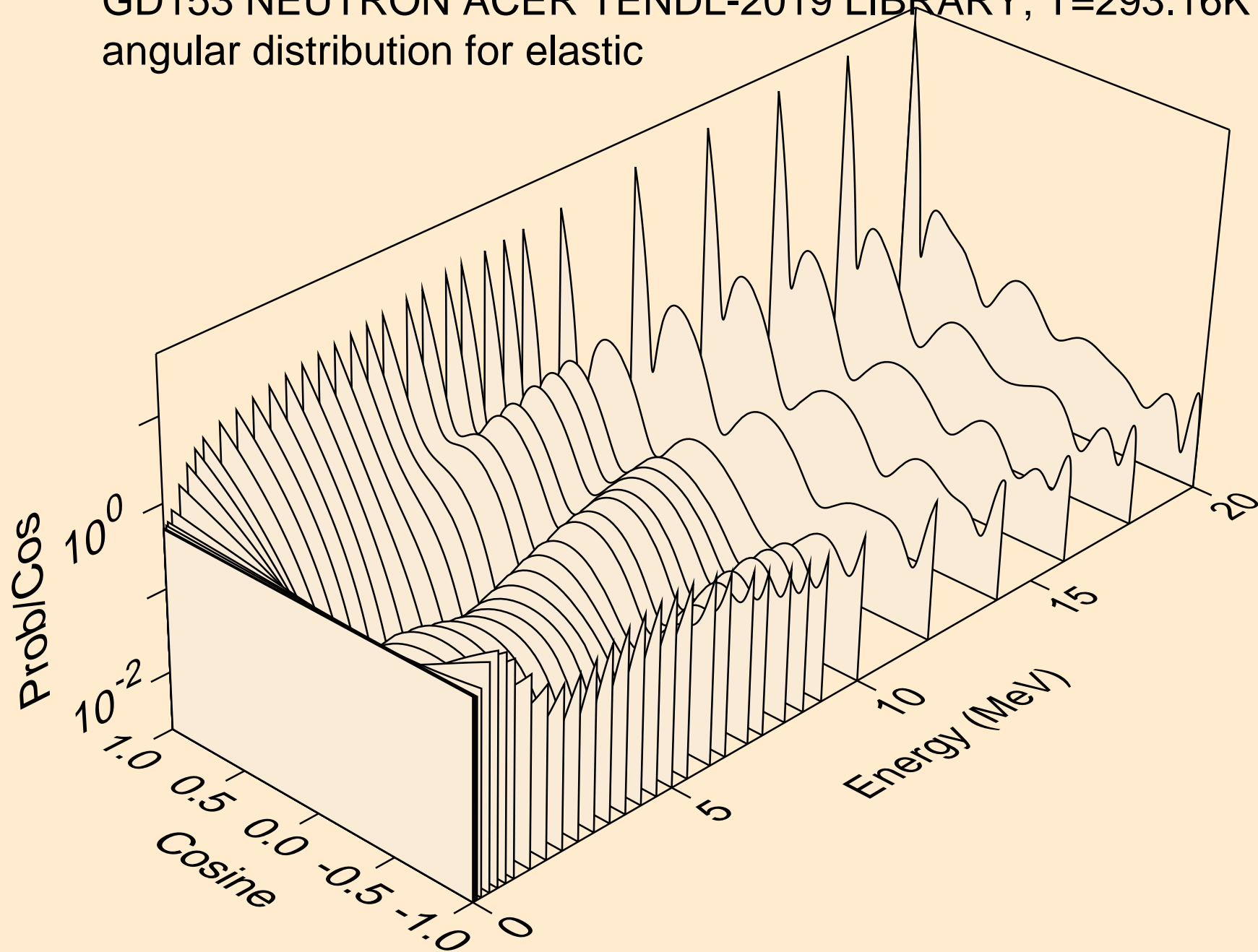
Threshold reactions



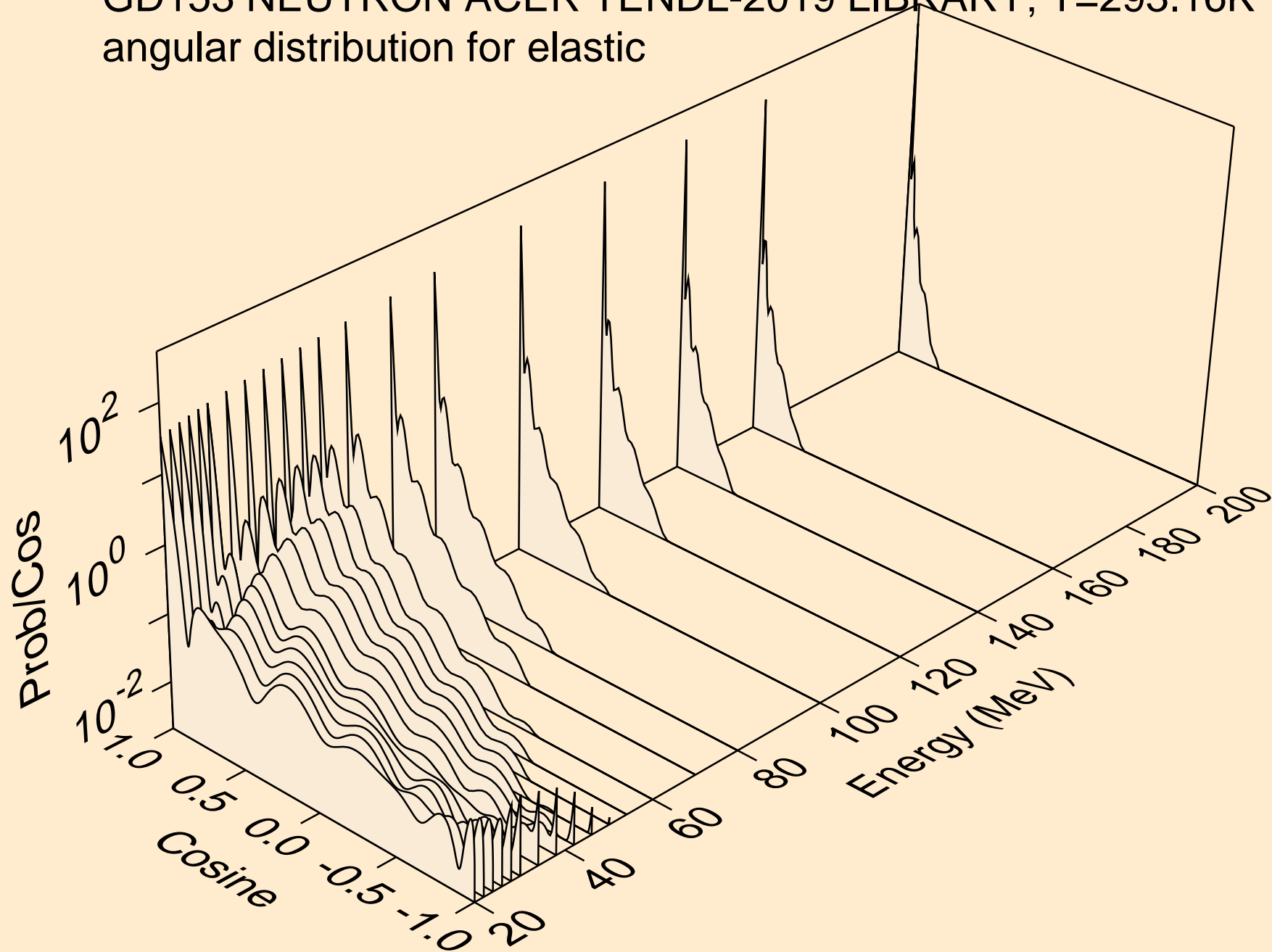
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



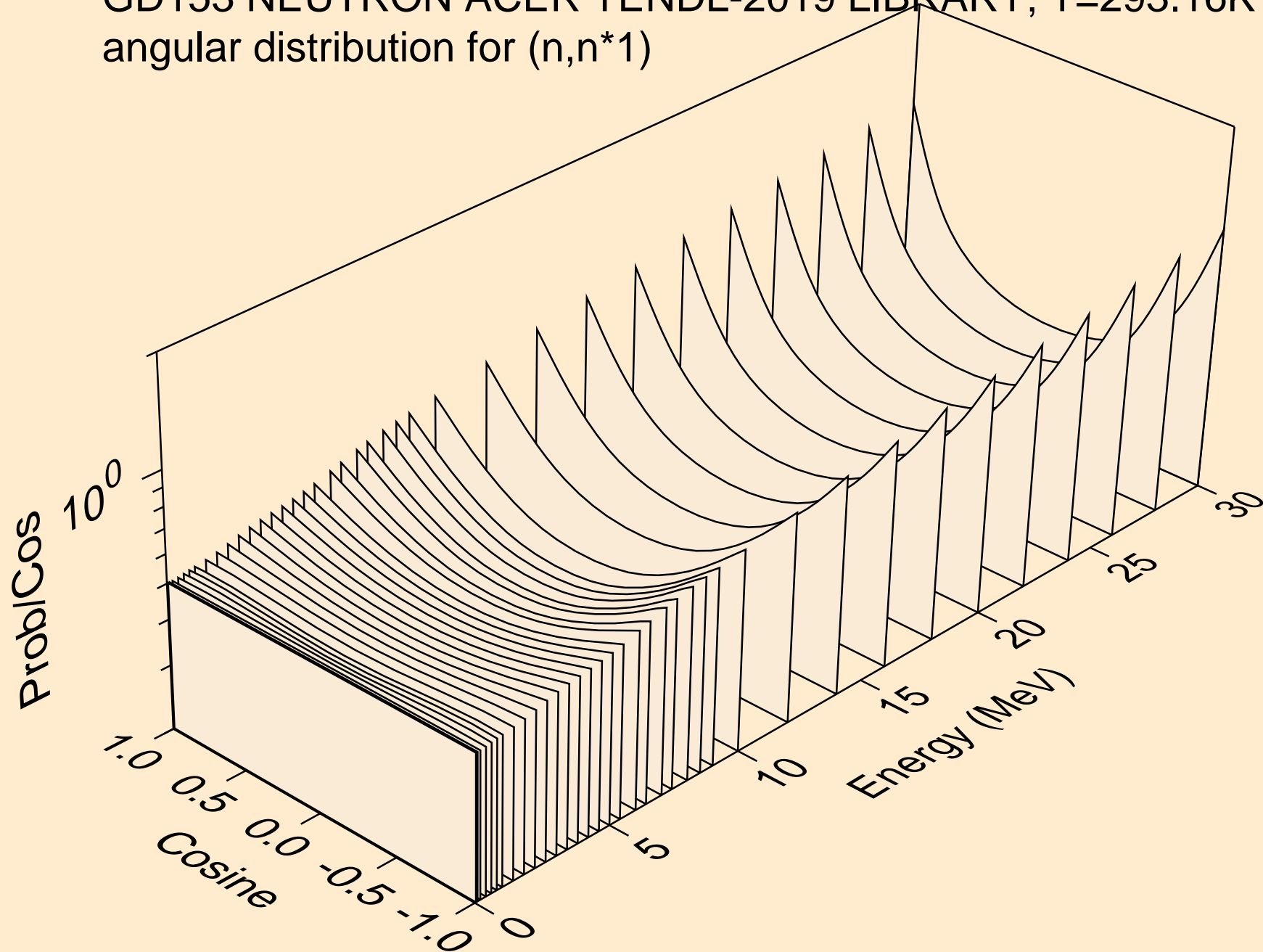
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



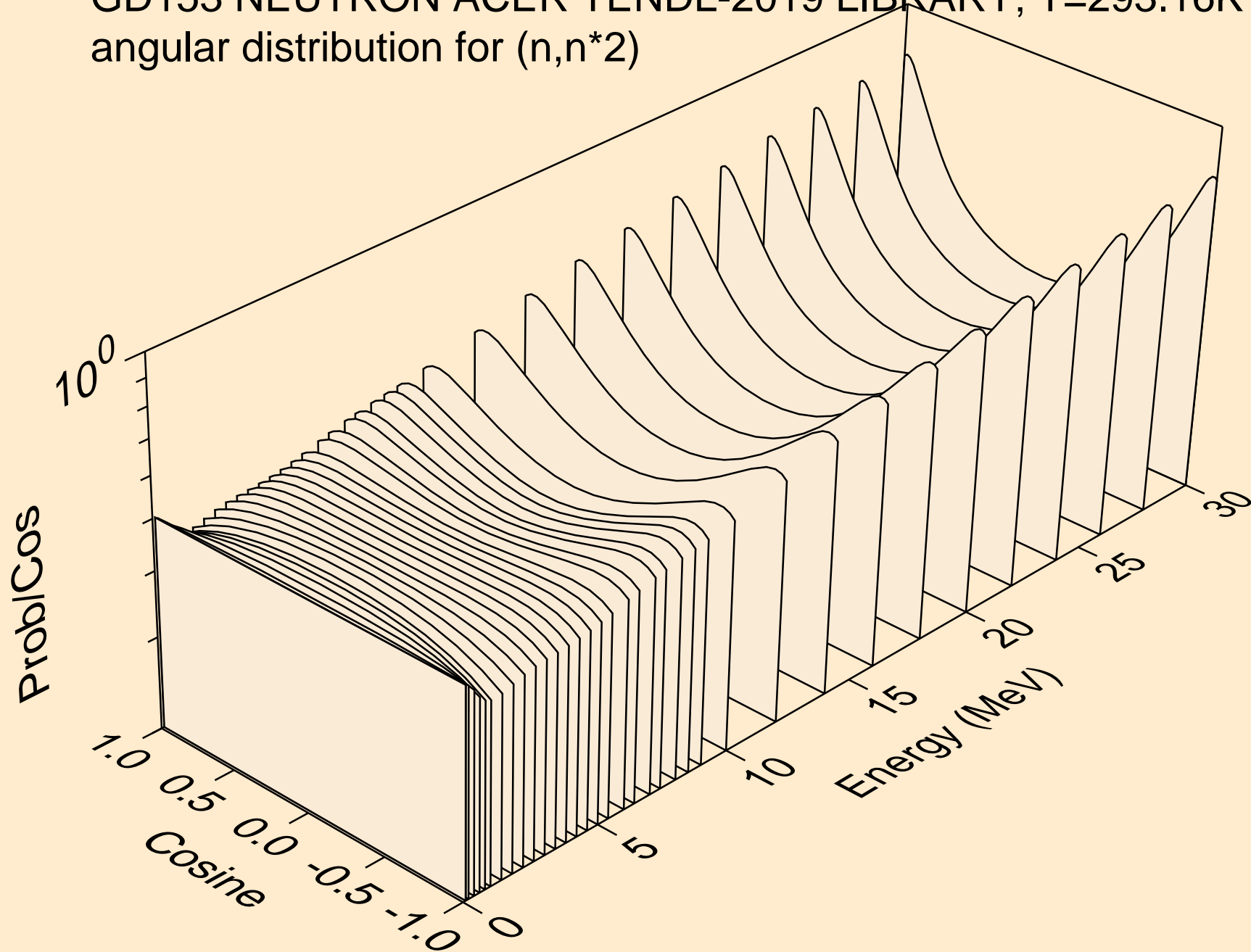
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



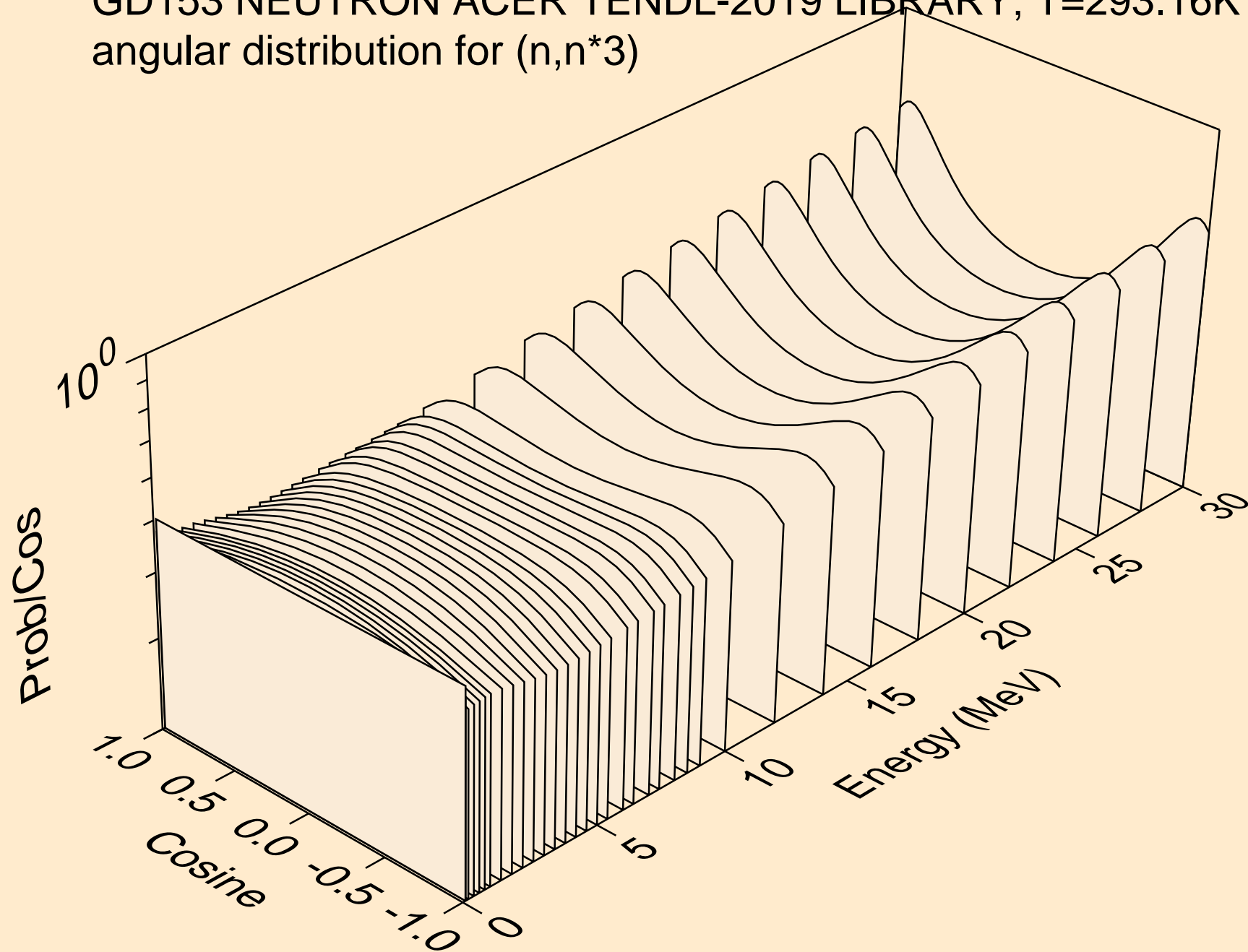
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



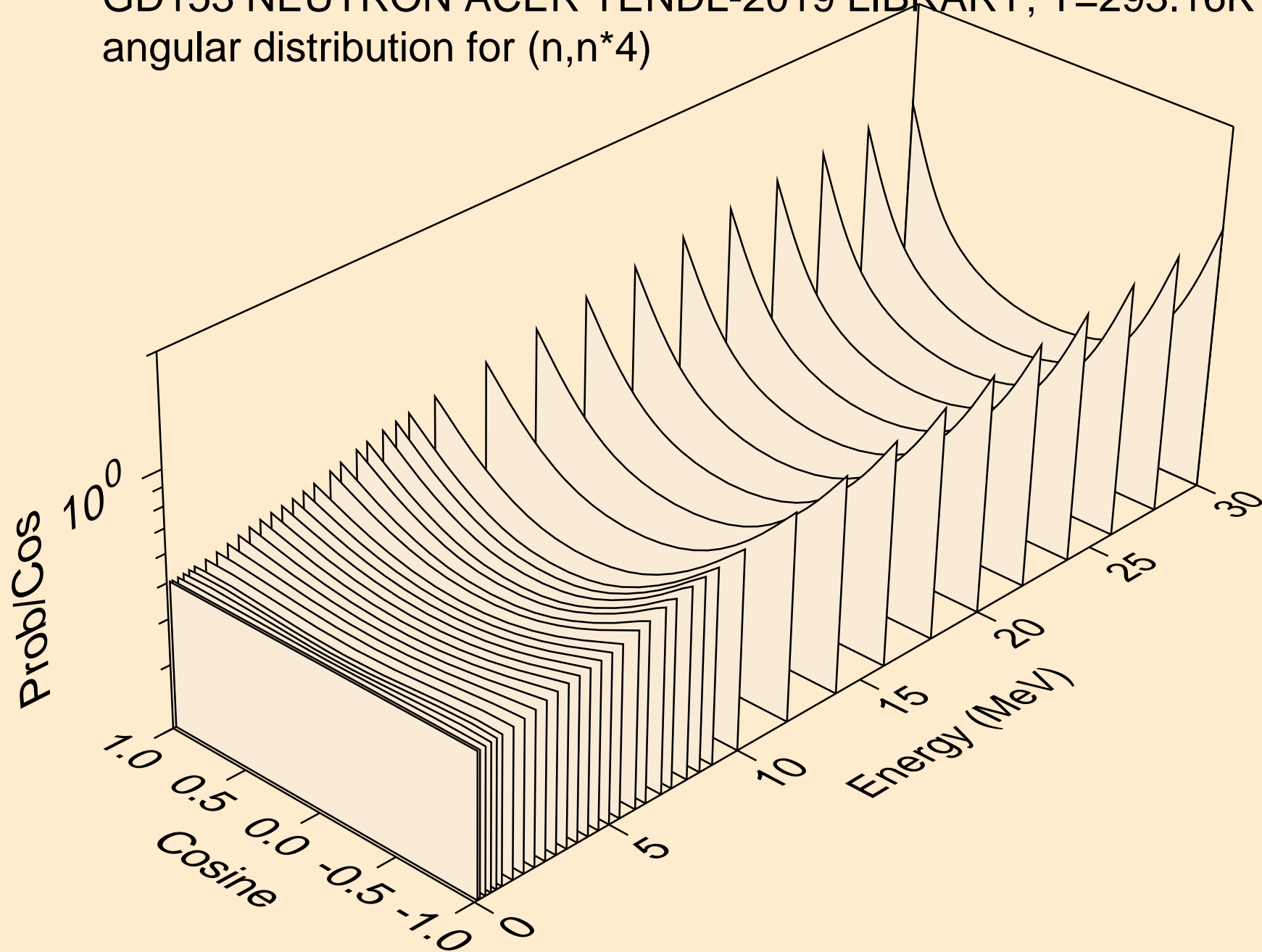
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



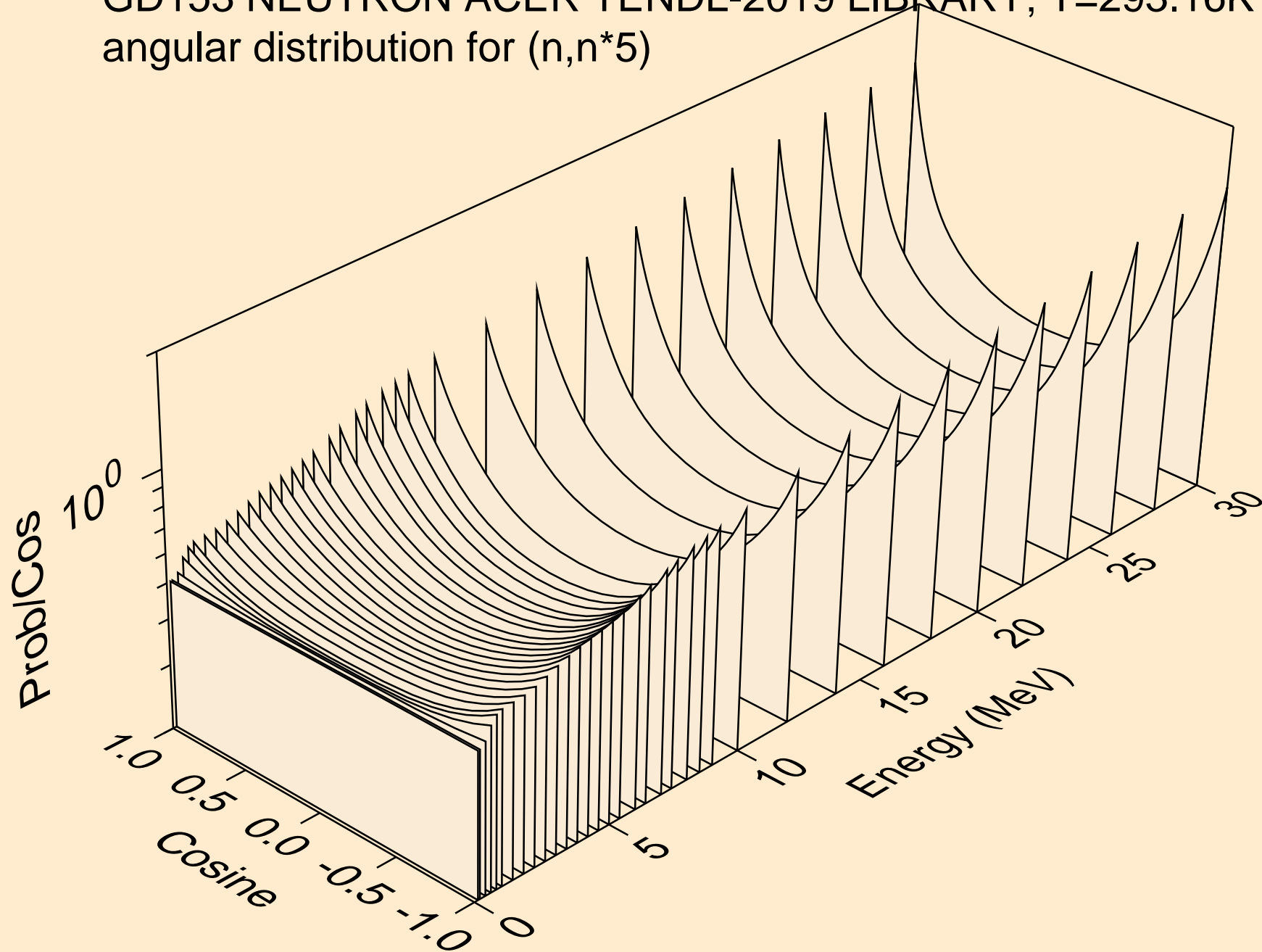
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



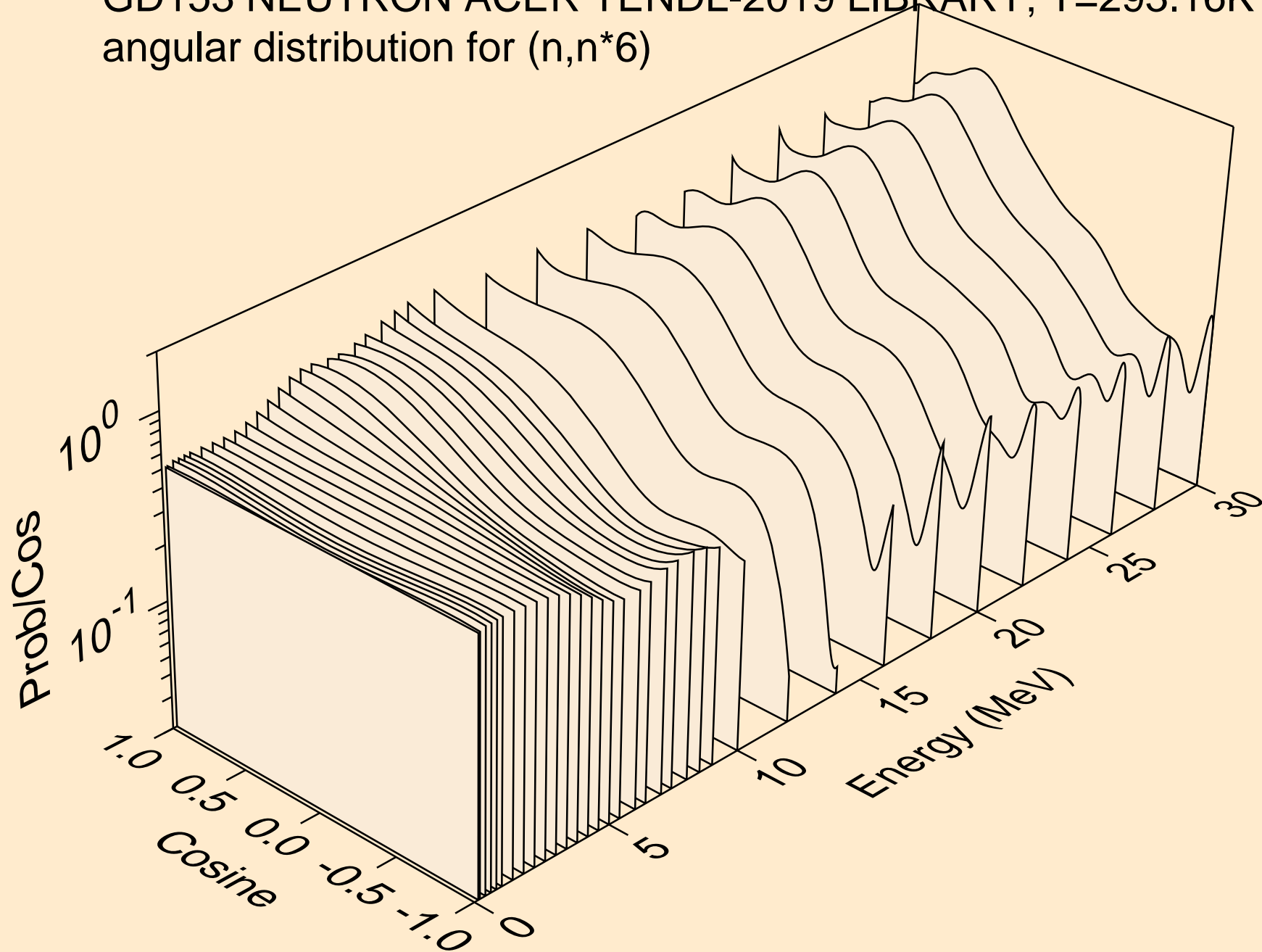
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



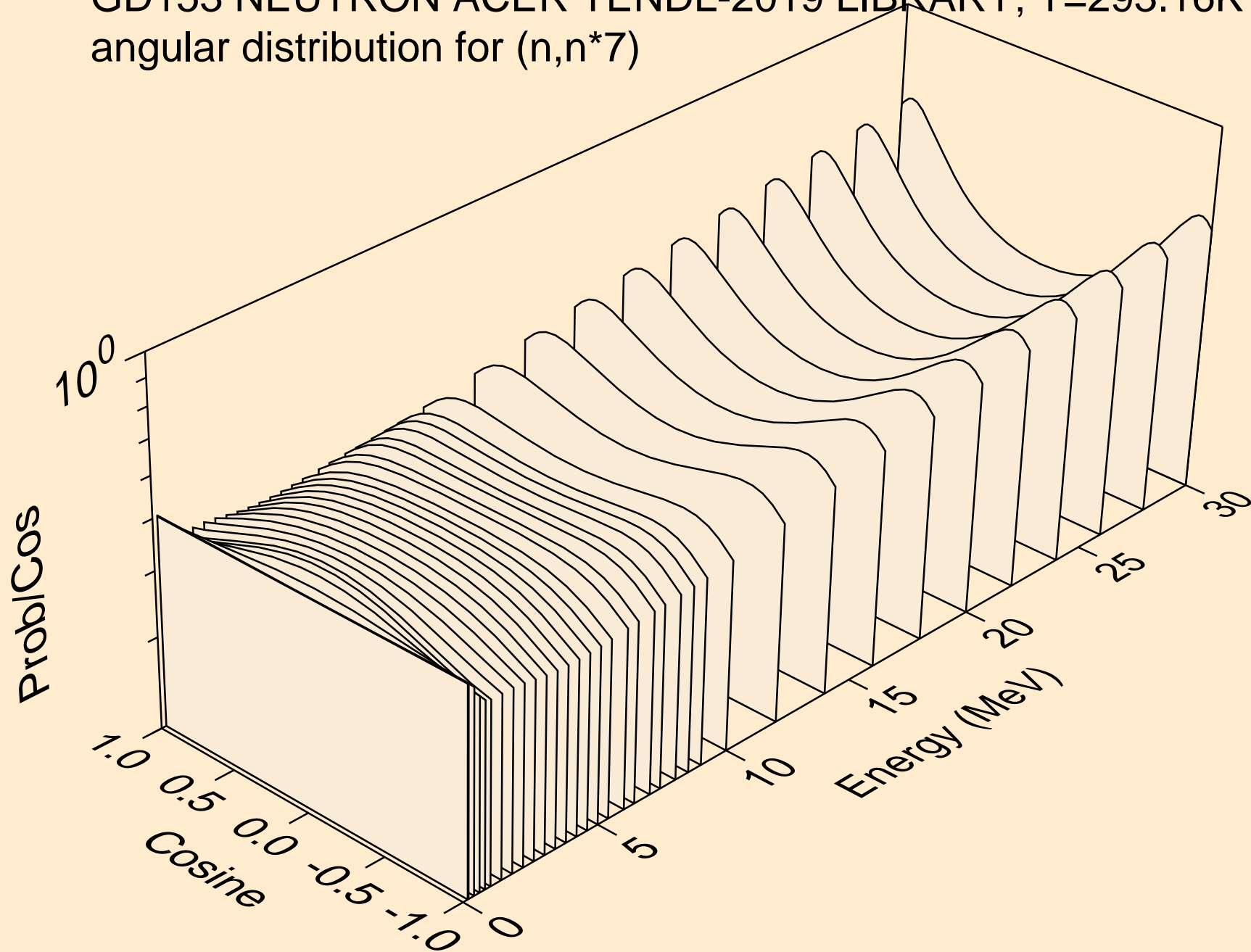
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



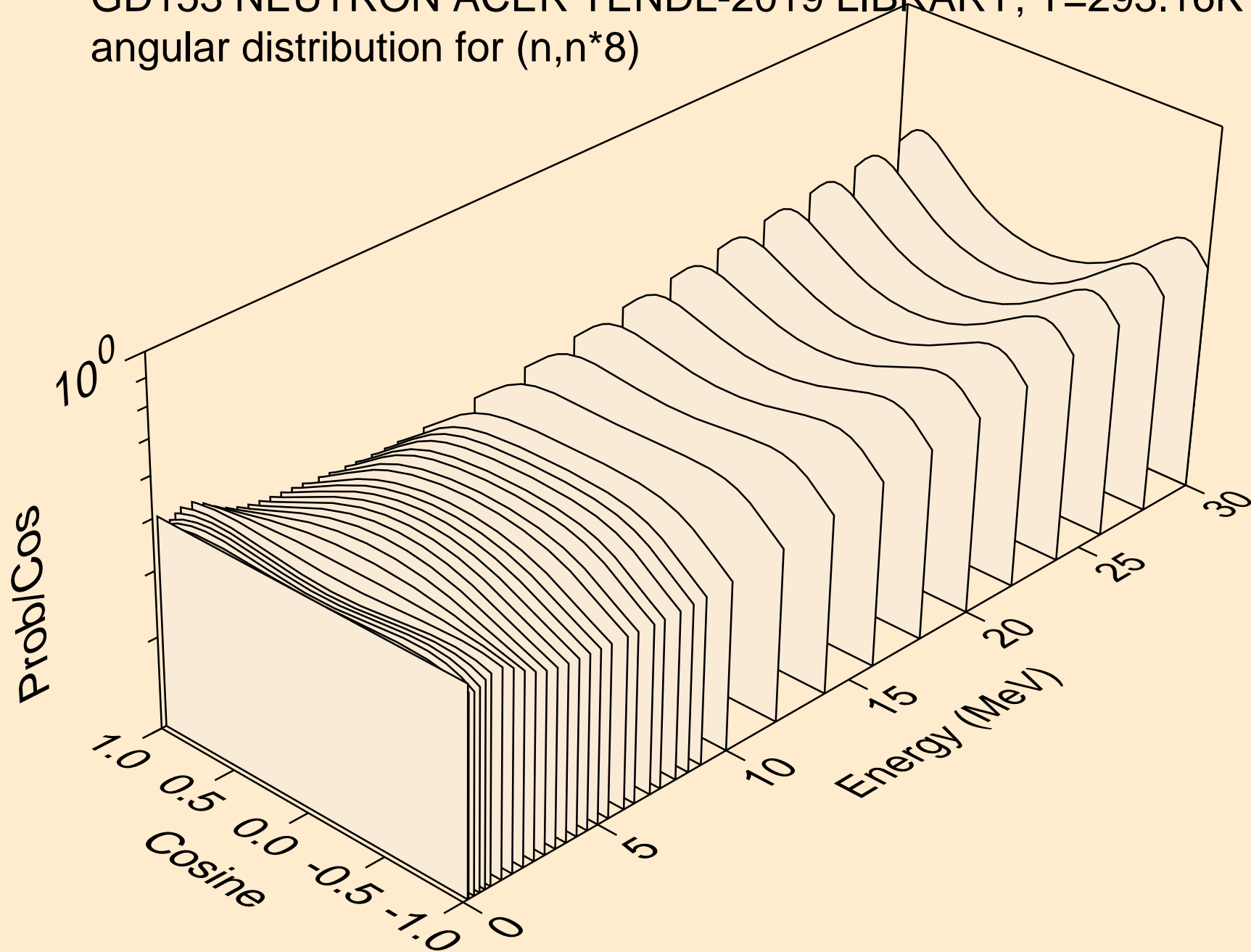
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



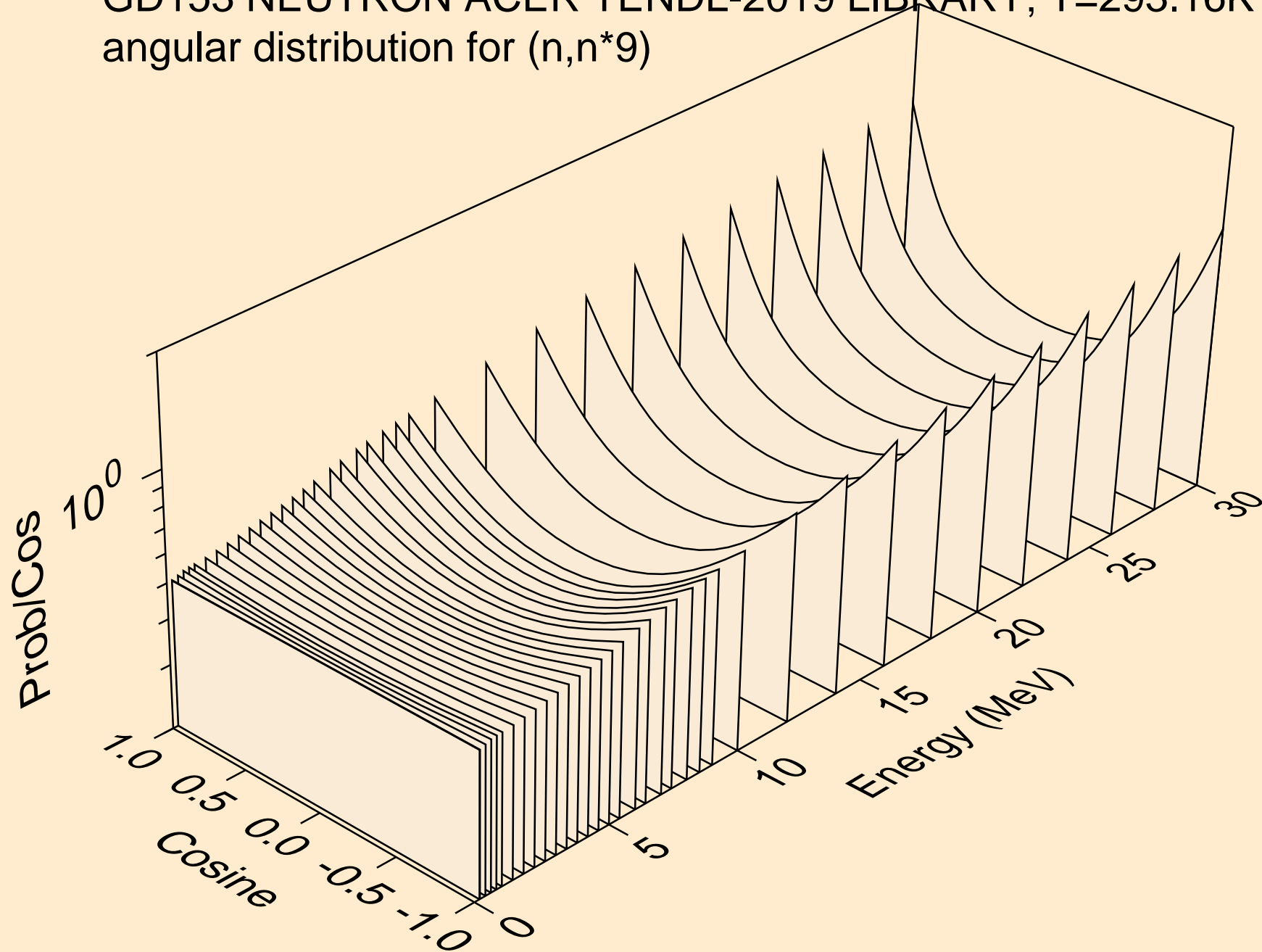
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



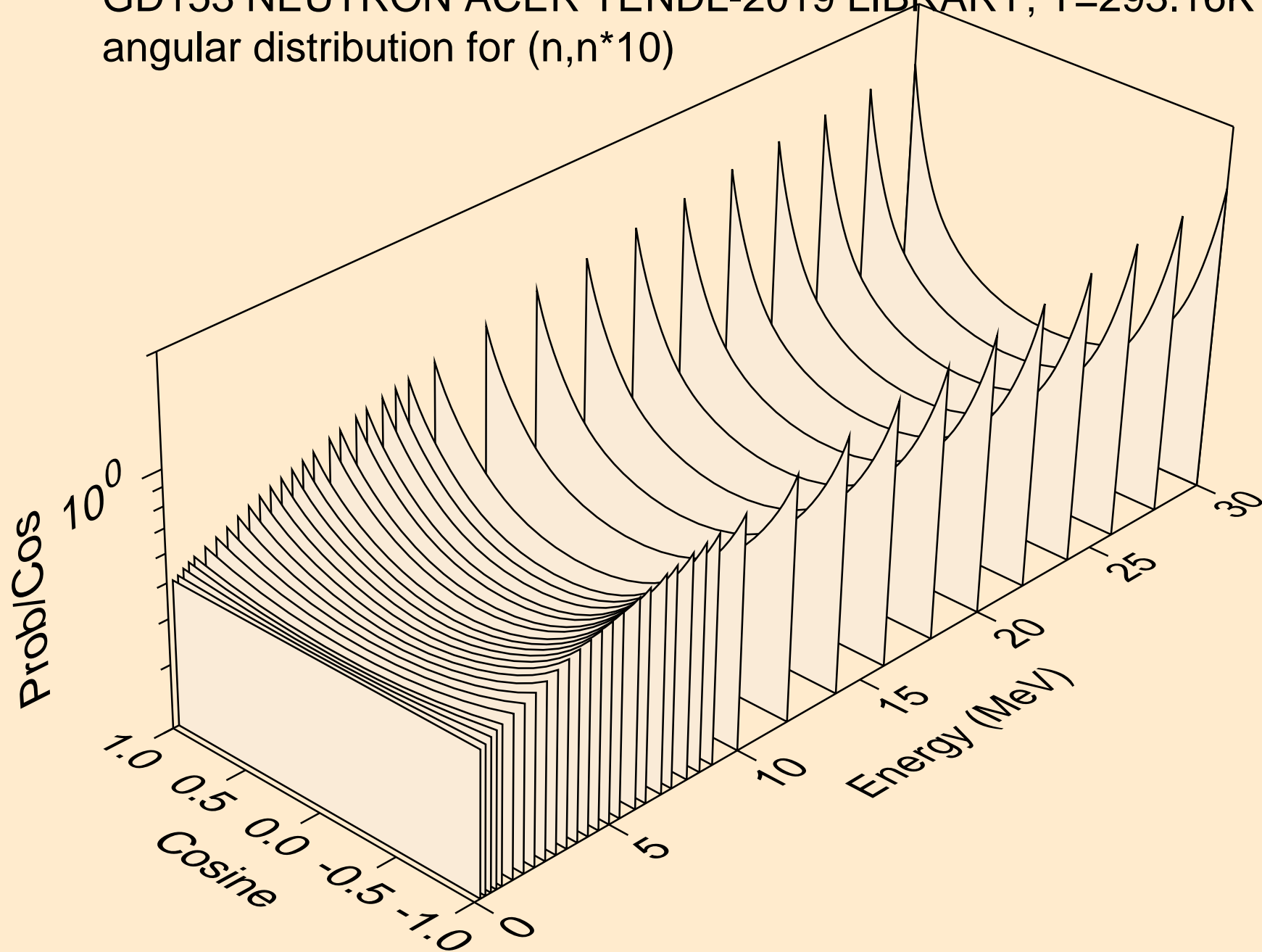
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



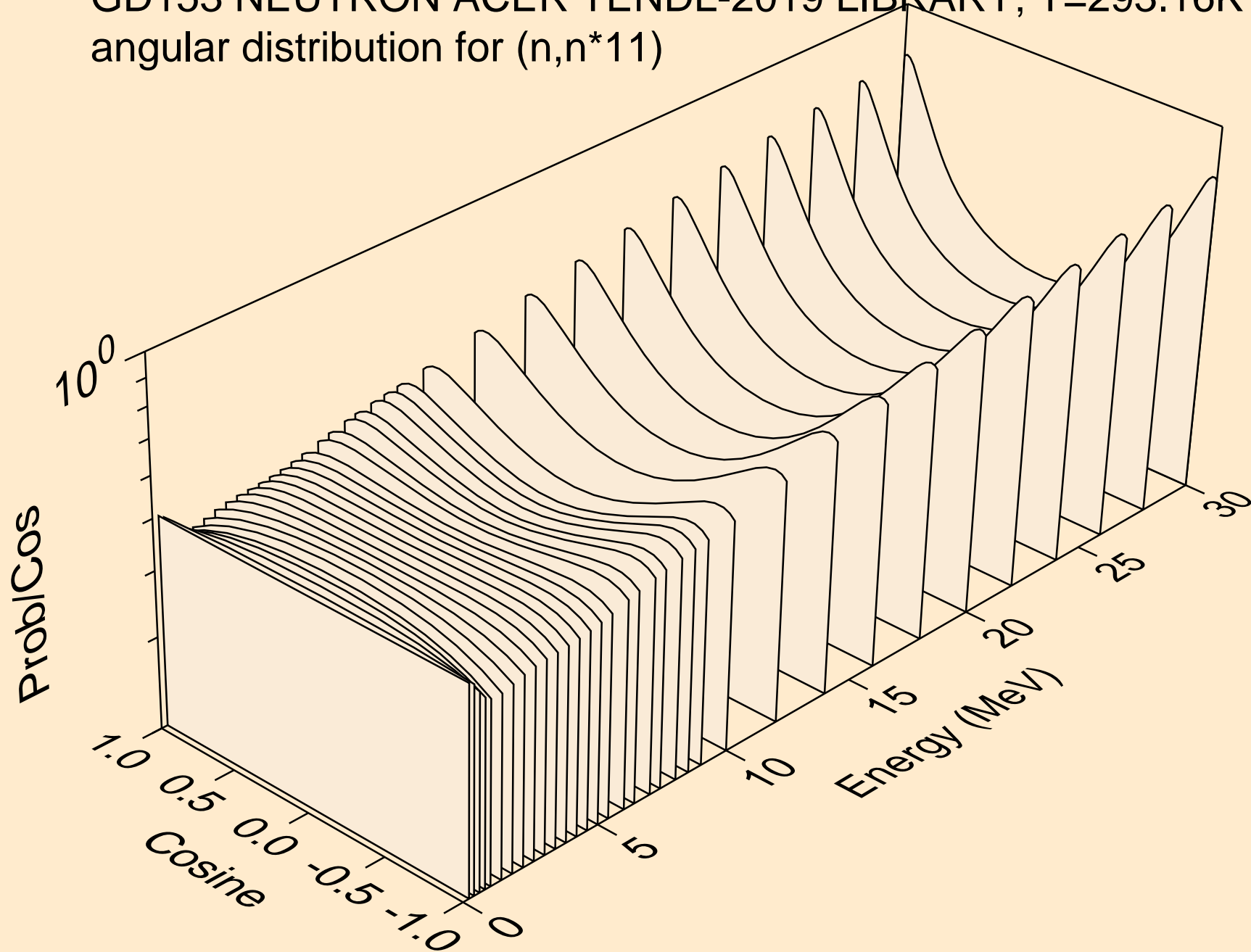
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



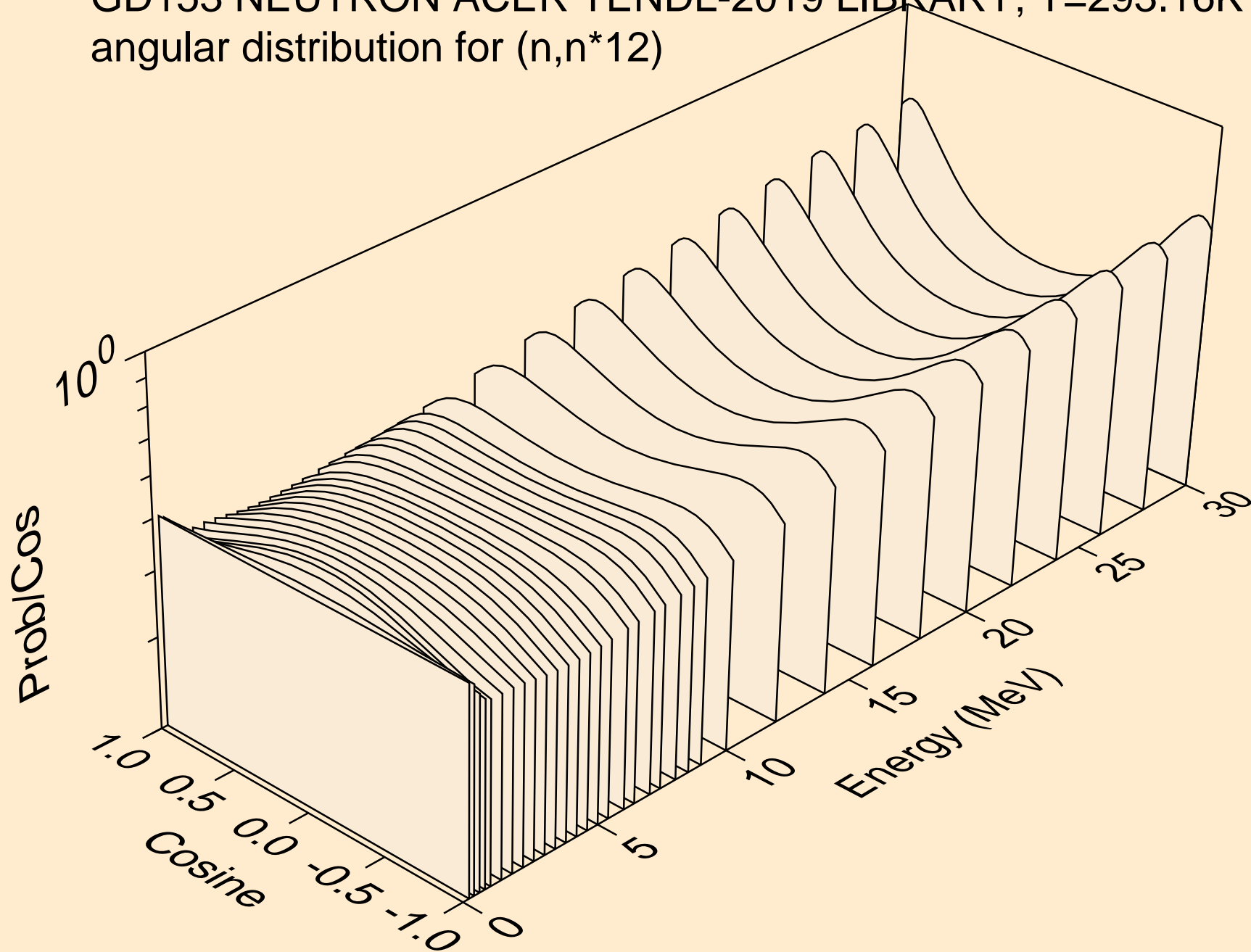
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



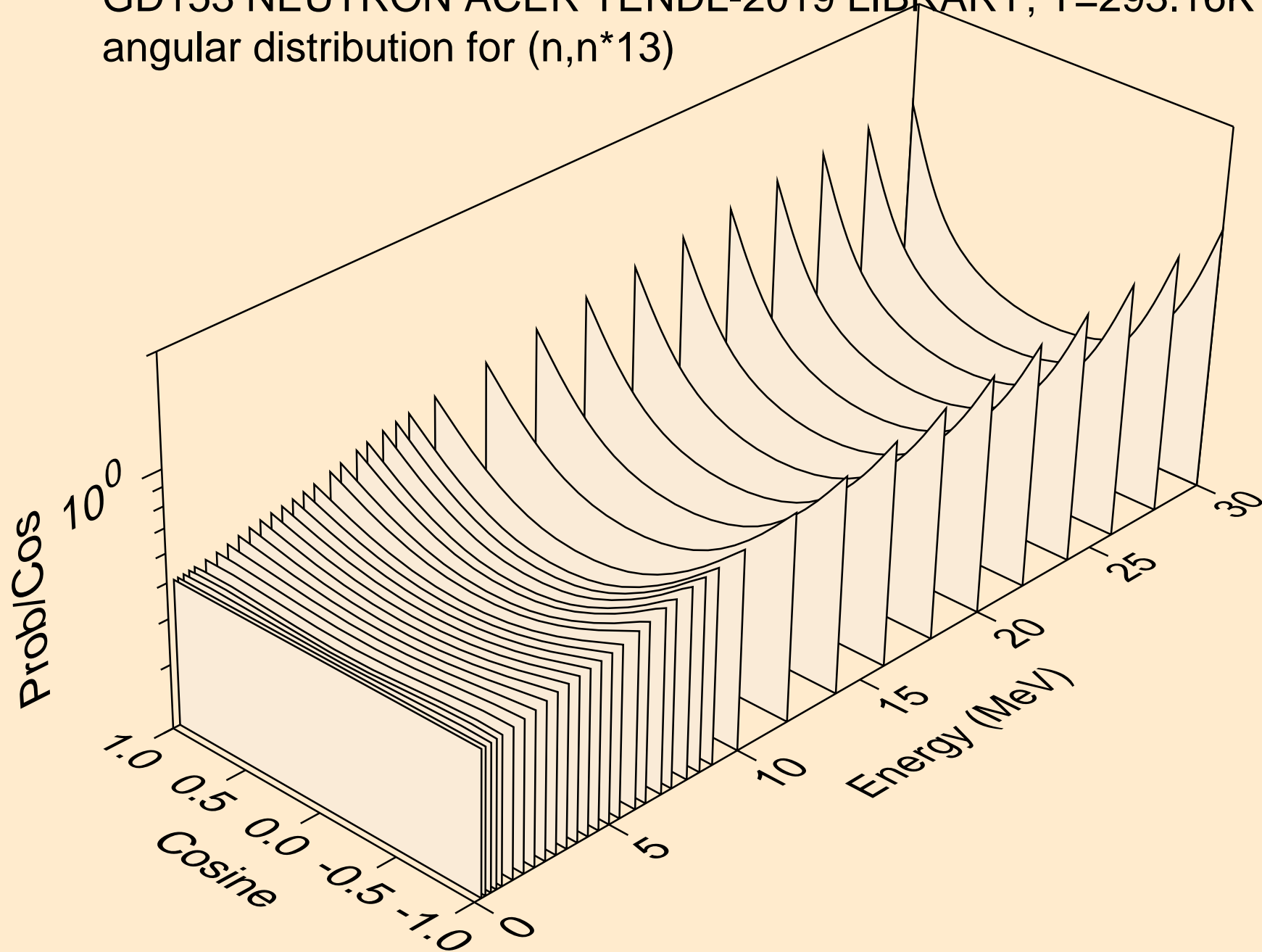
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



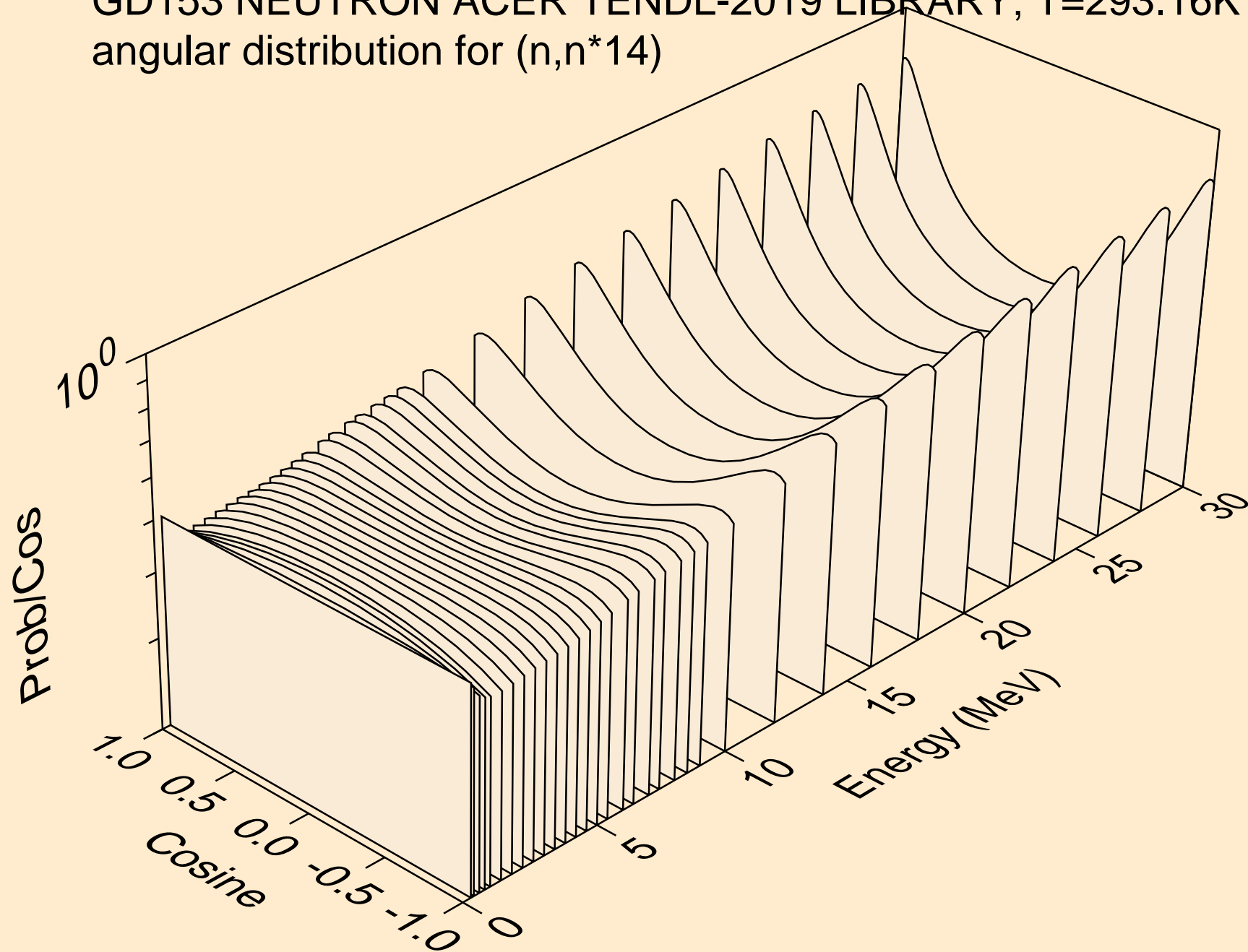
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



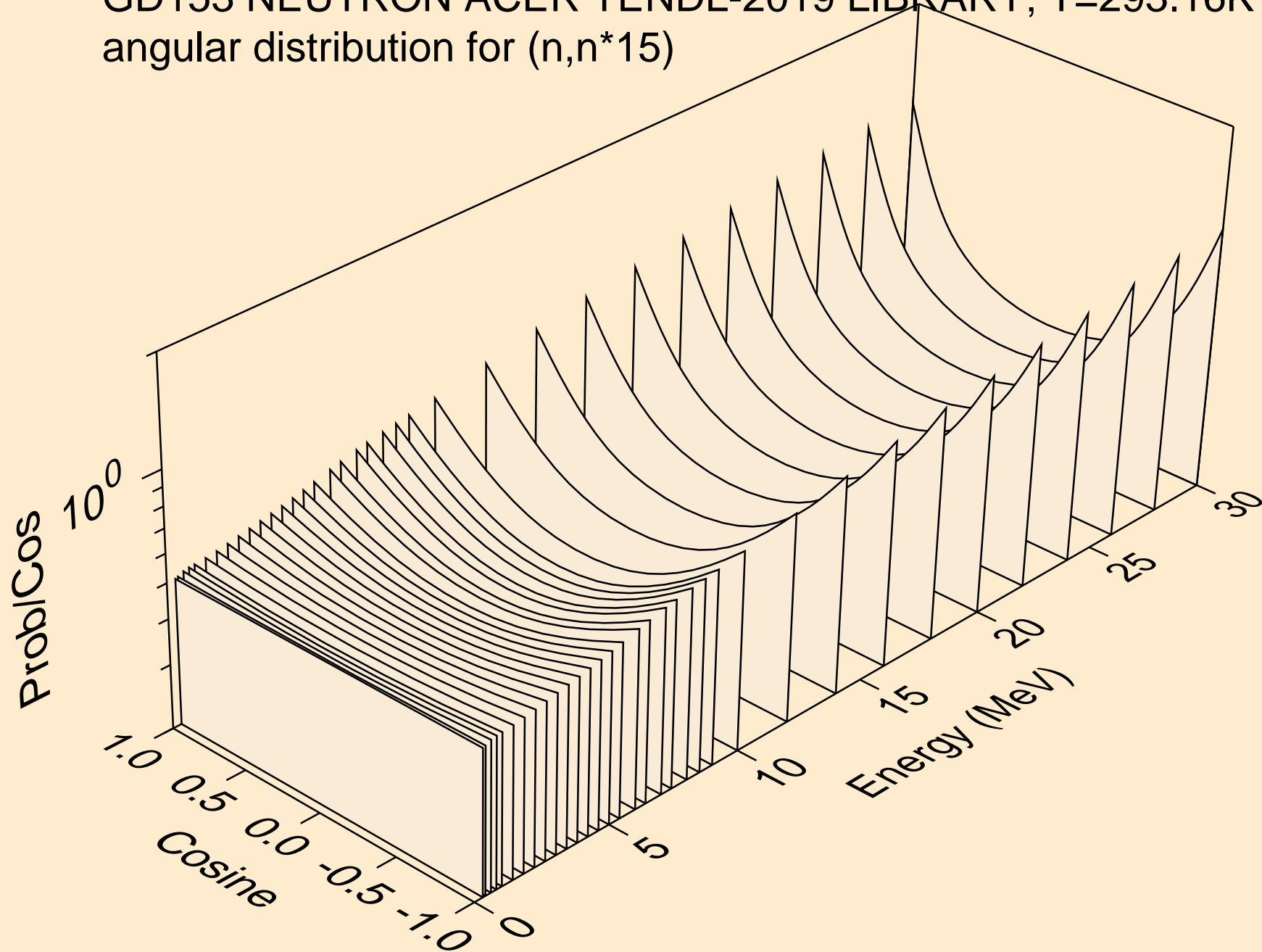
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



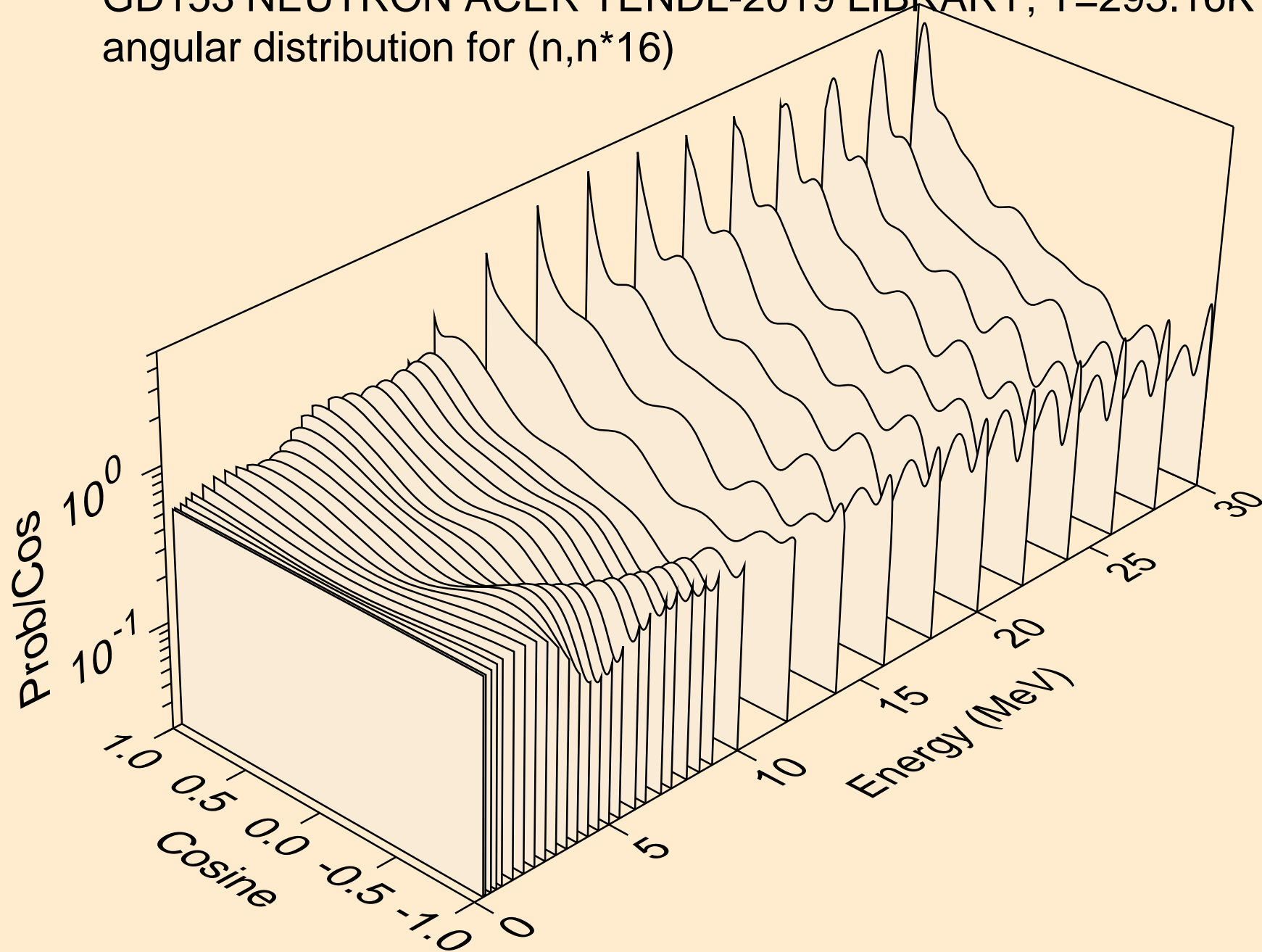
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



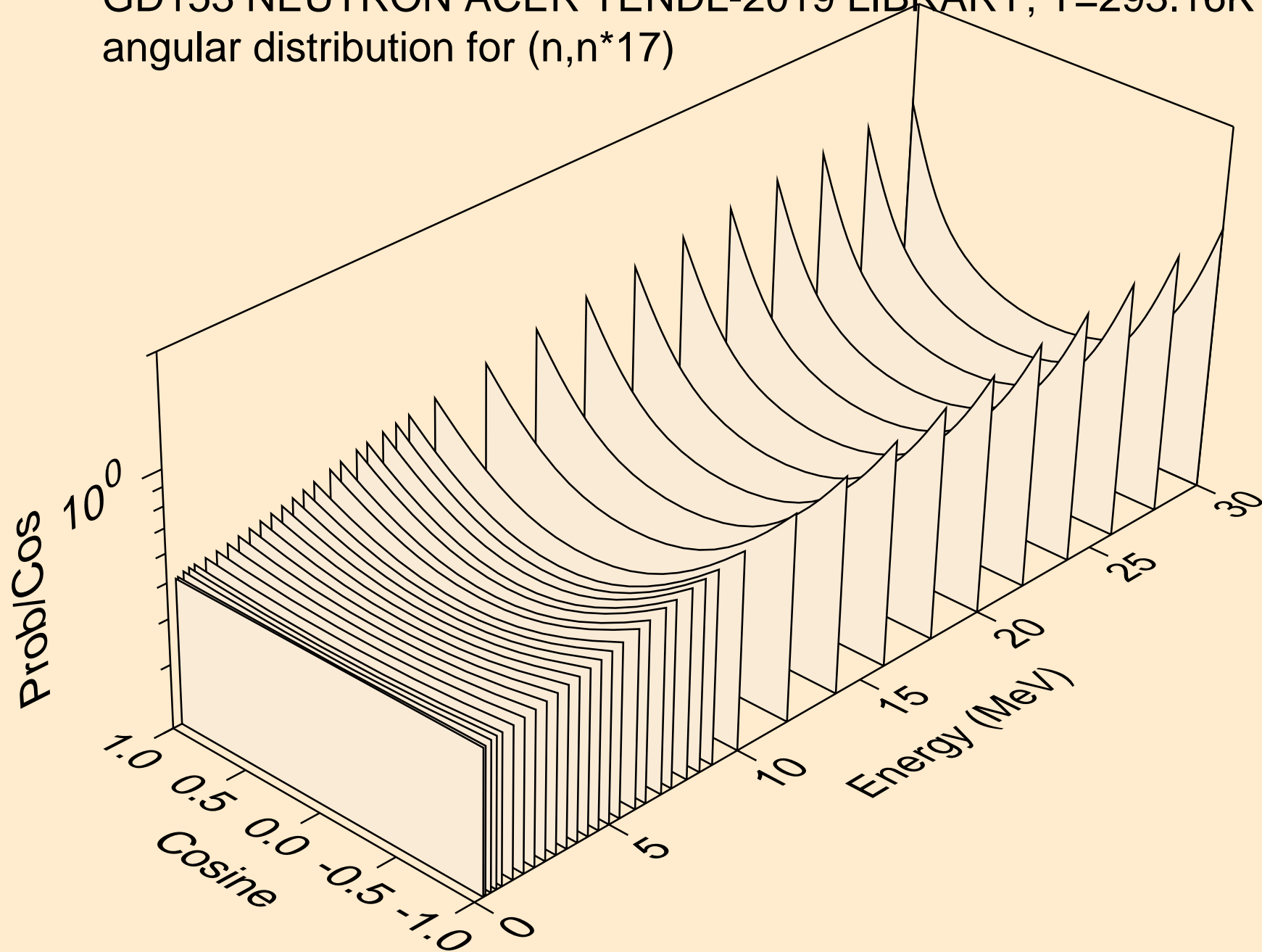
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



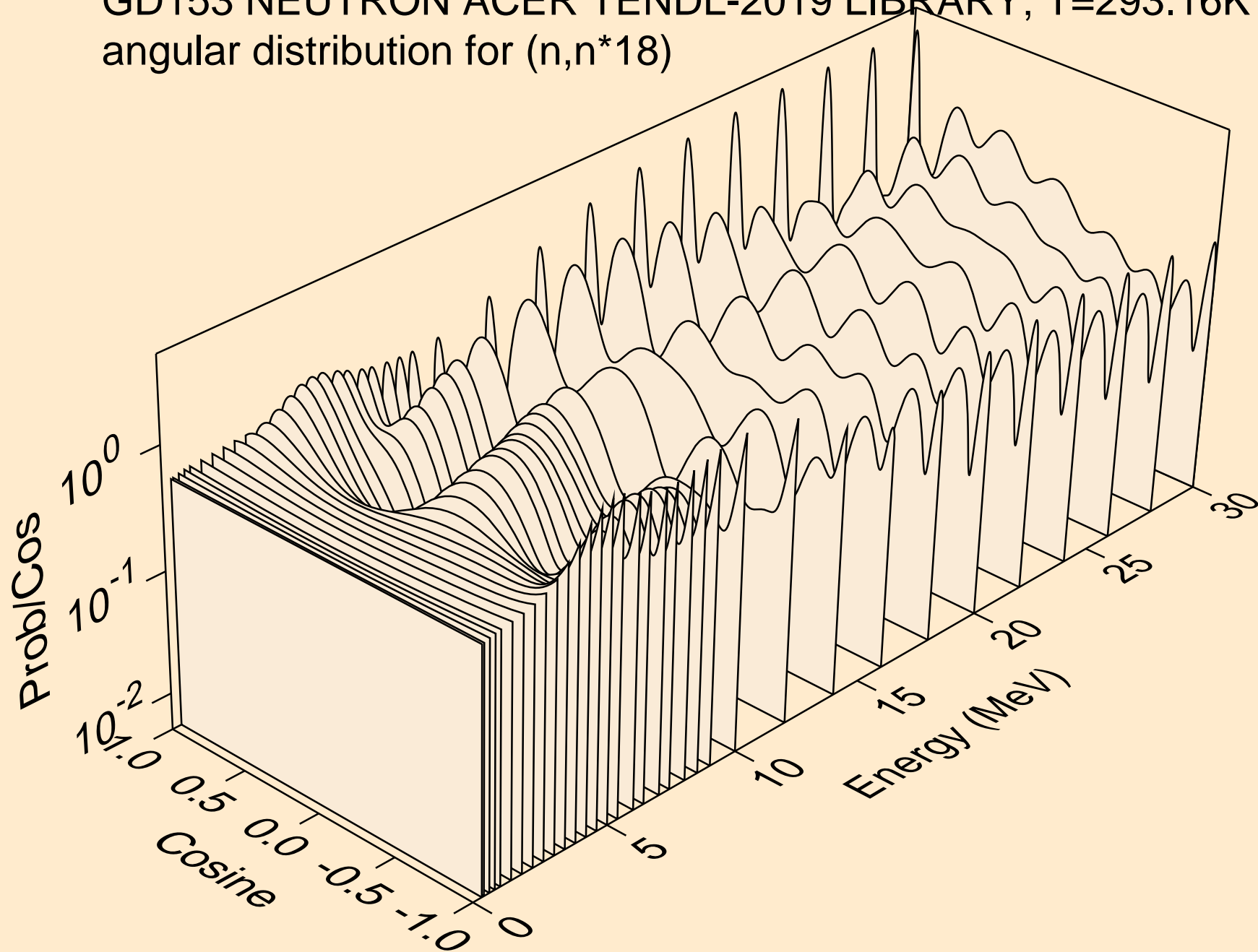
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*16)



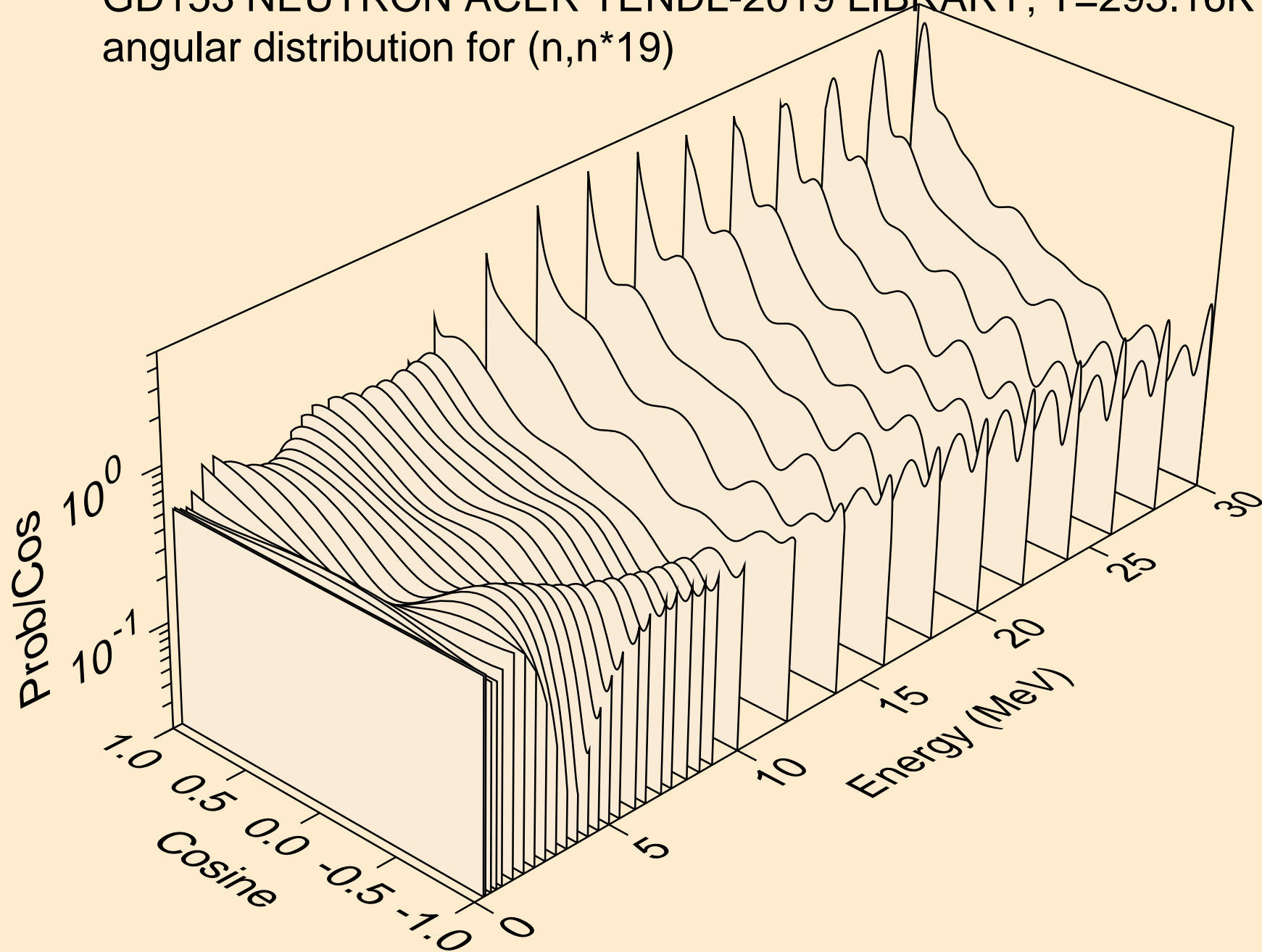
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*17)



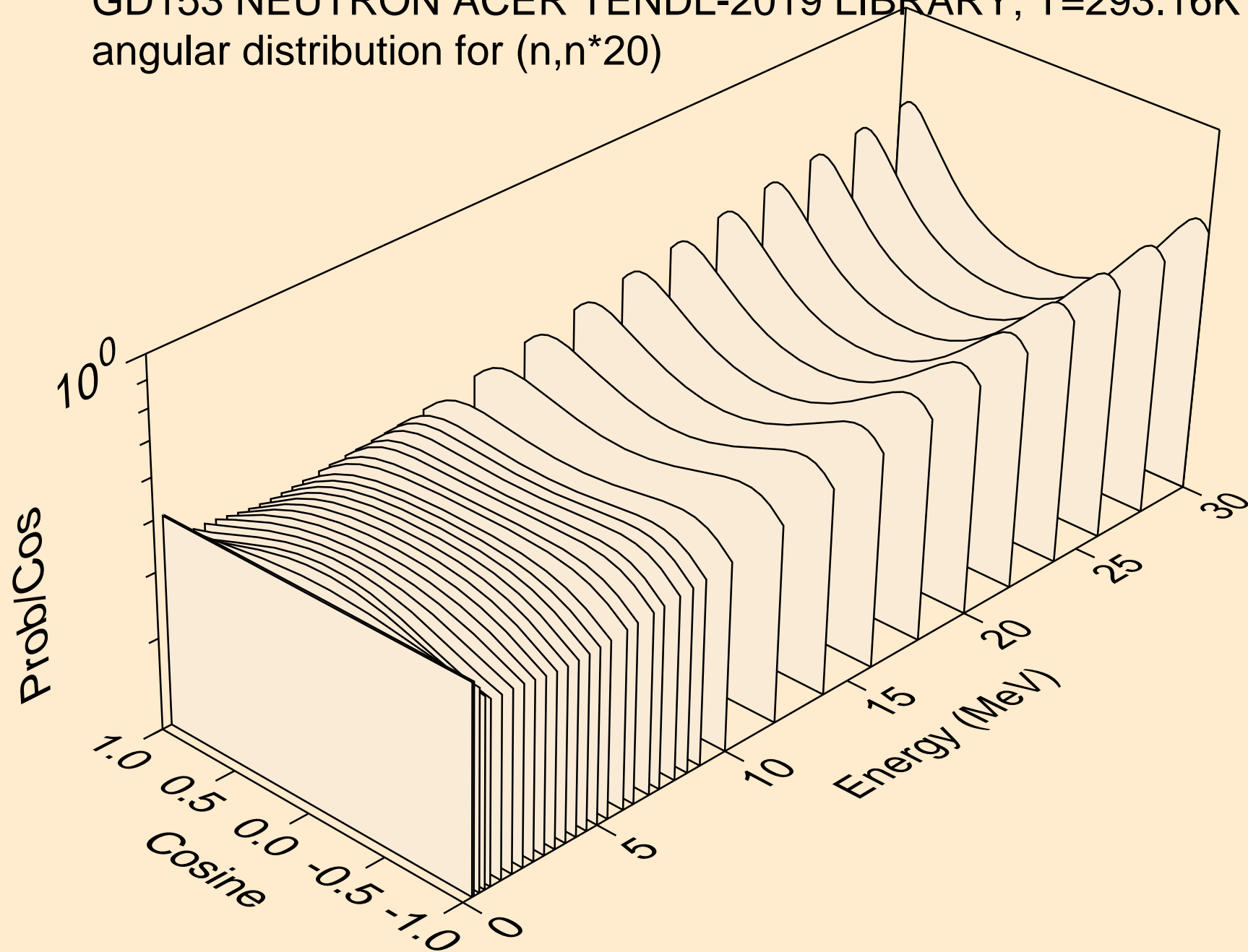
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



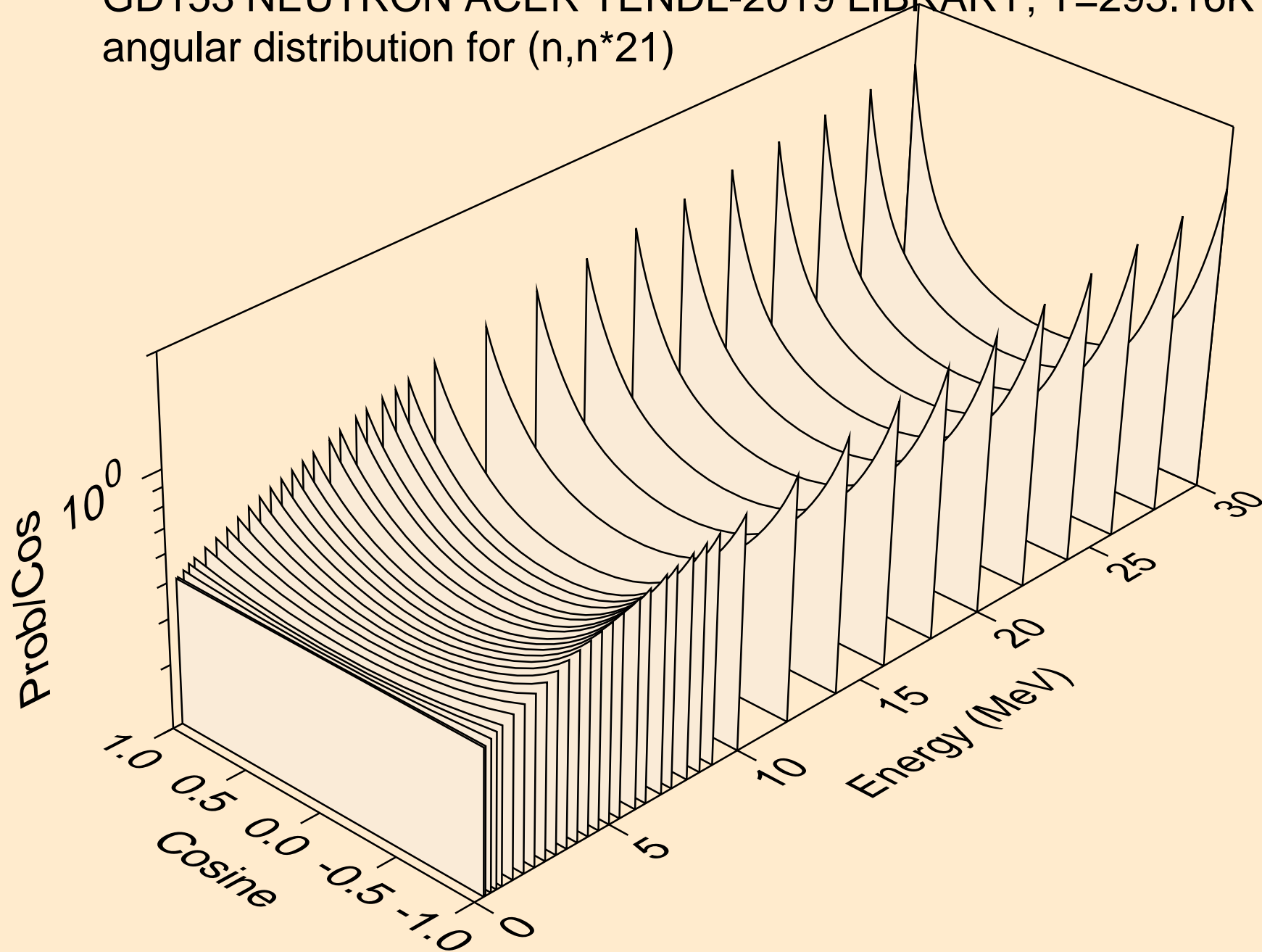
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



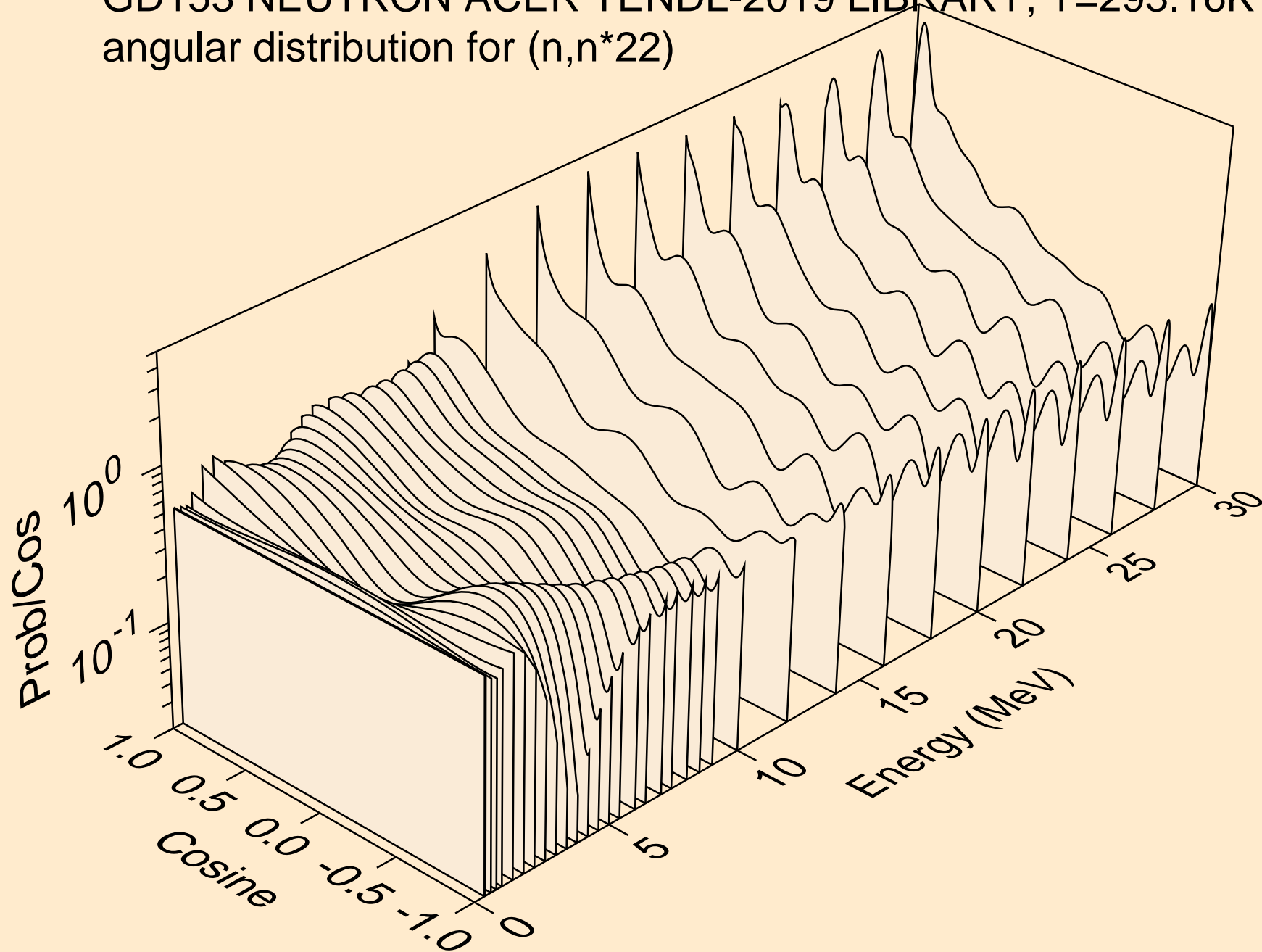
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



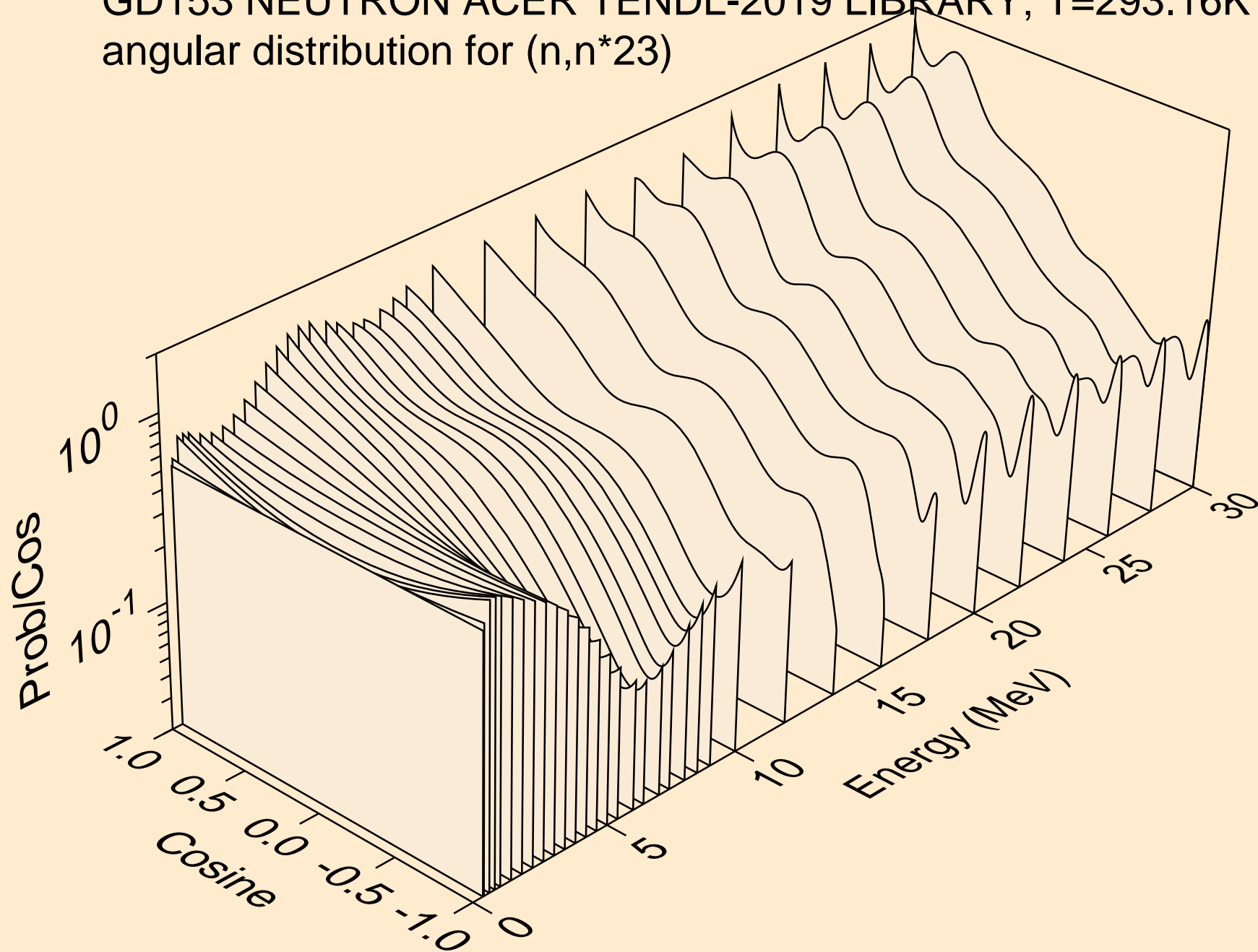
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



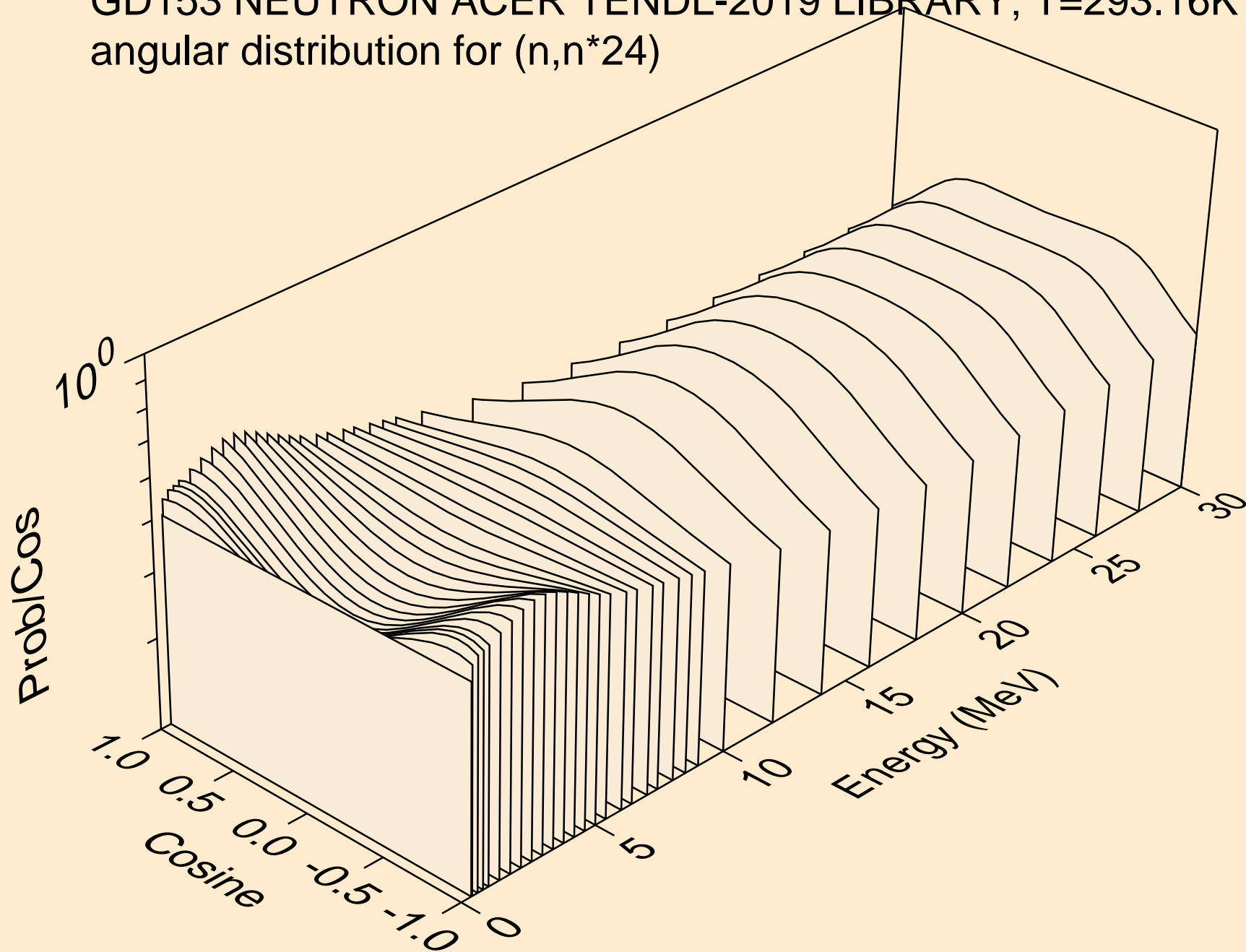
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*22)



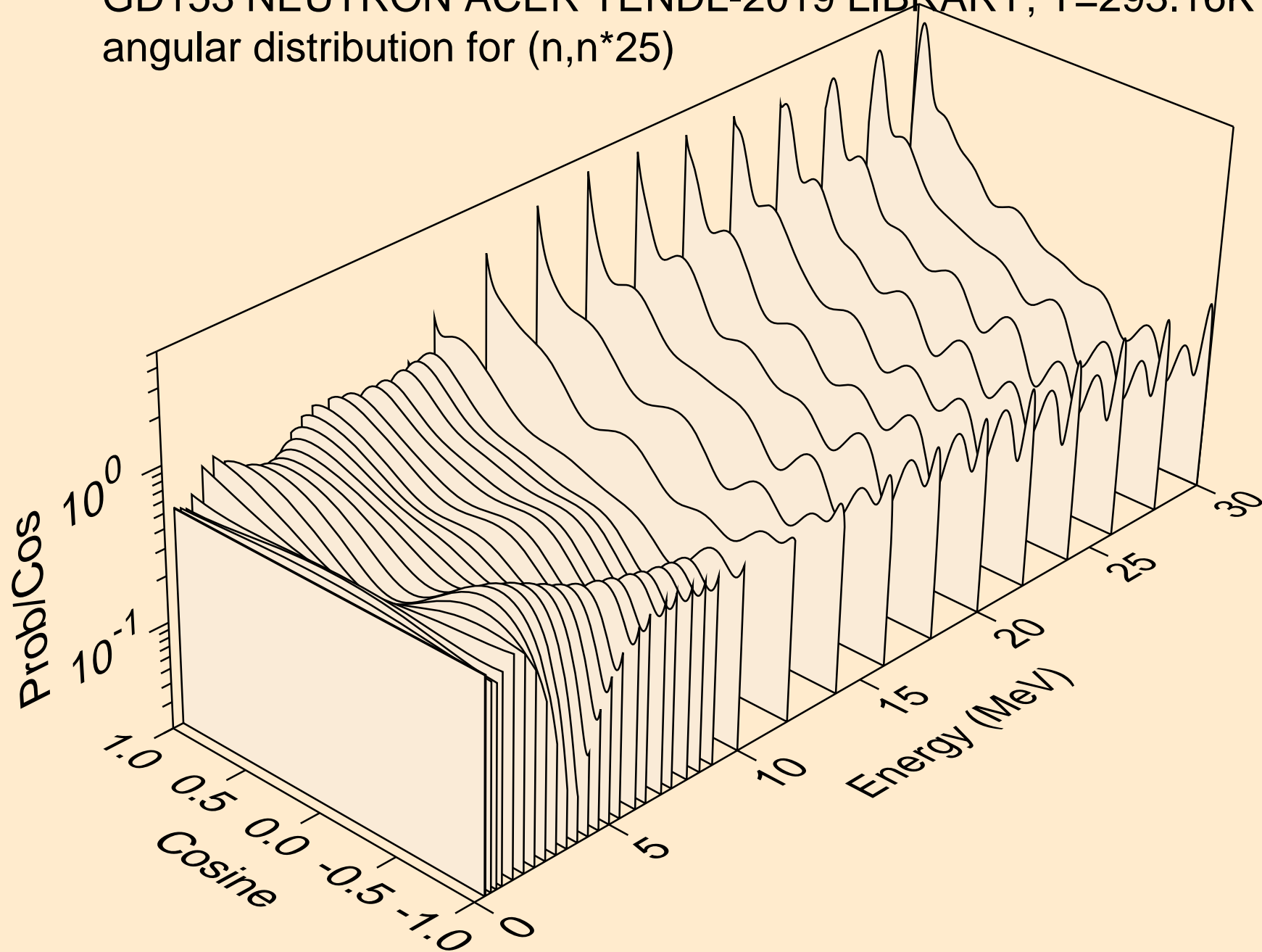
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*23)



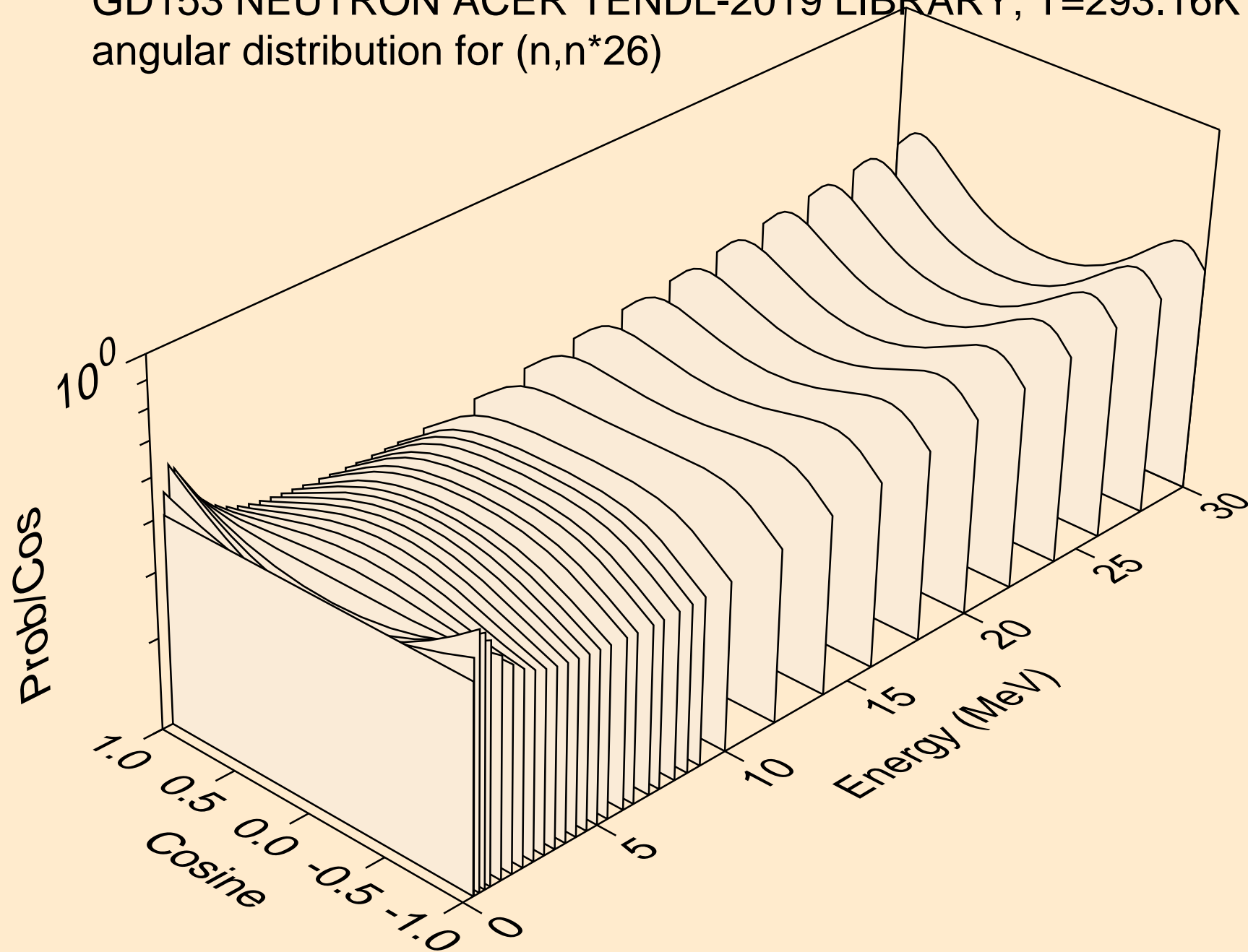
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



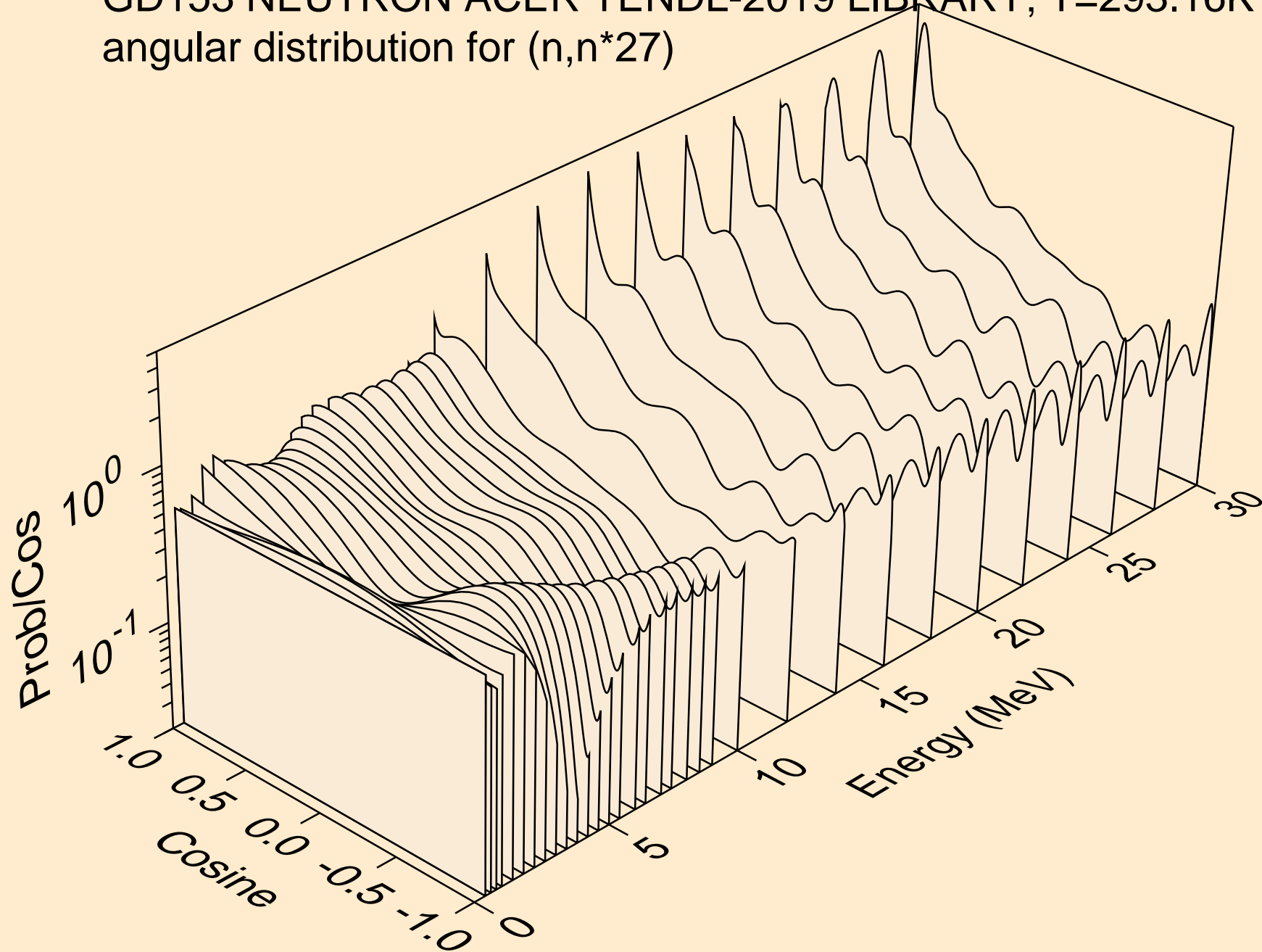
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



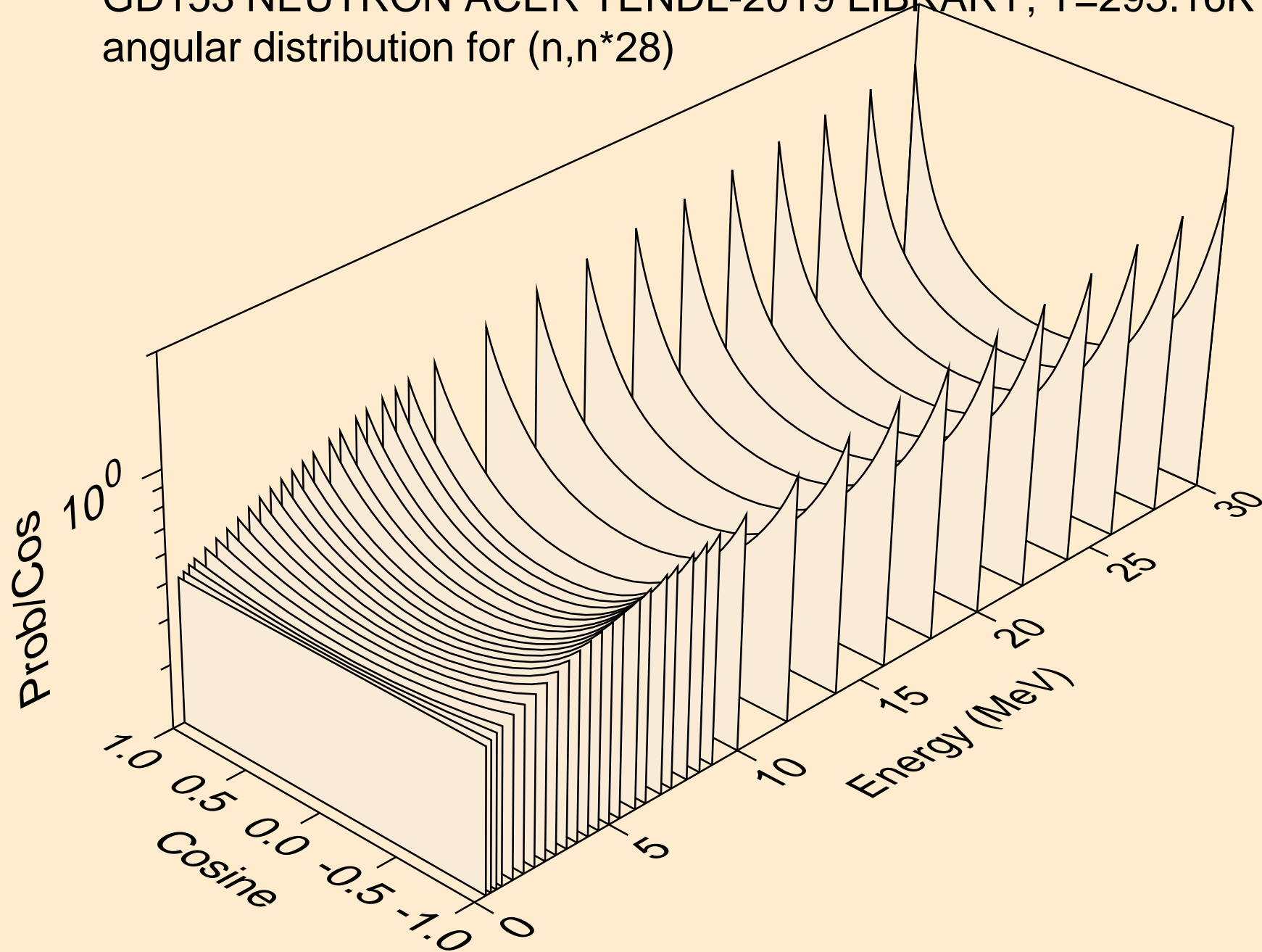
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



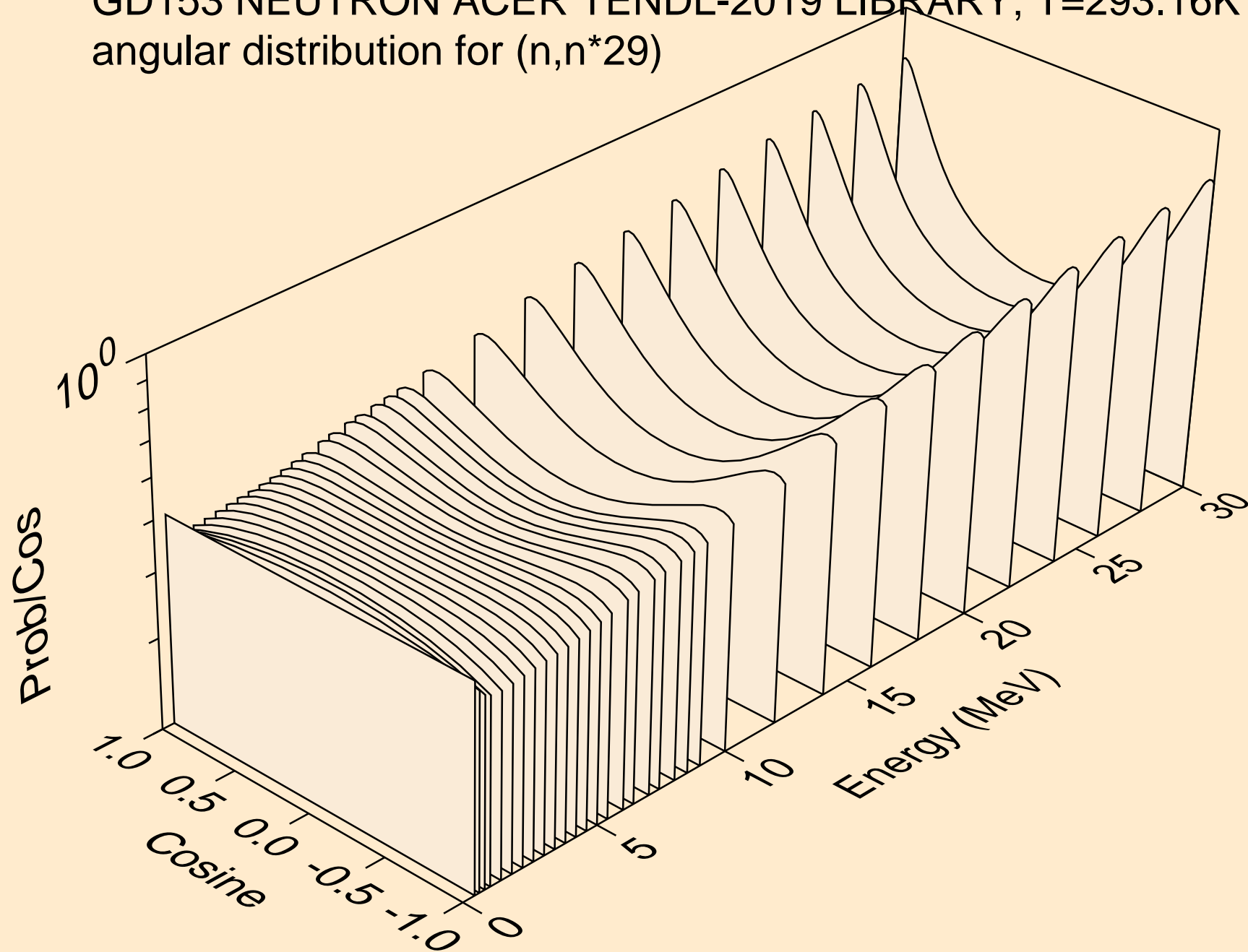
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



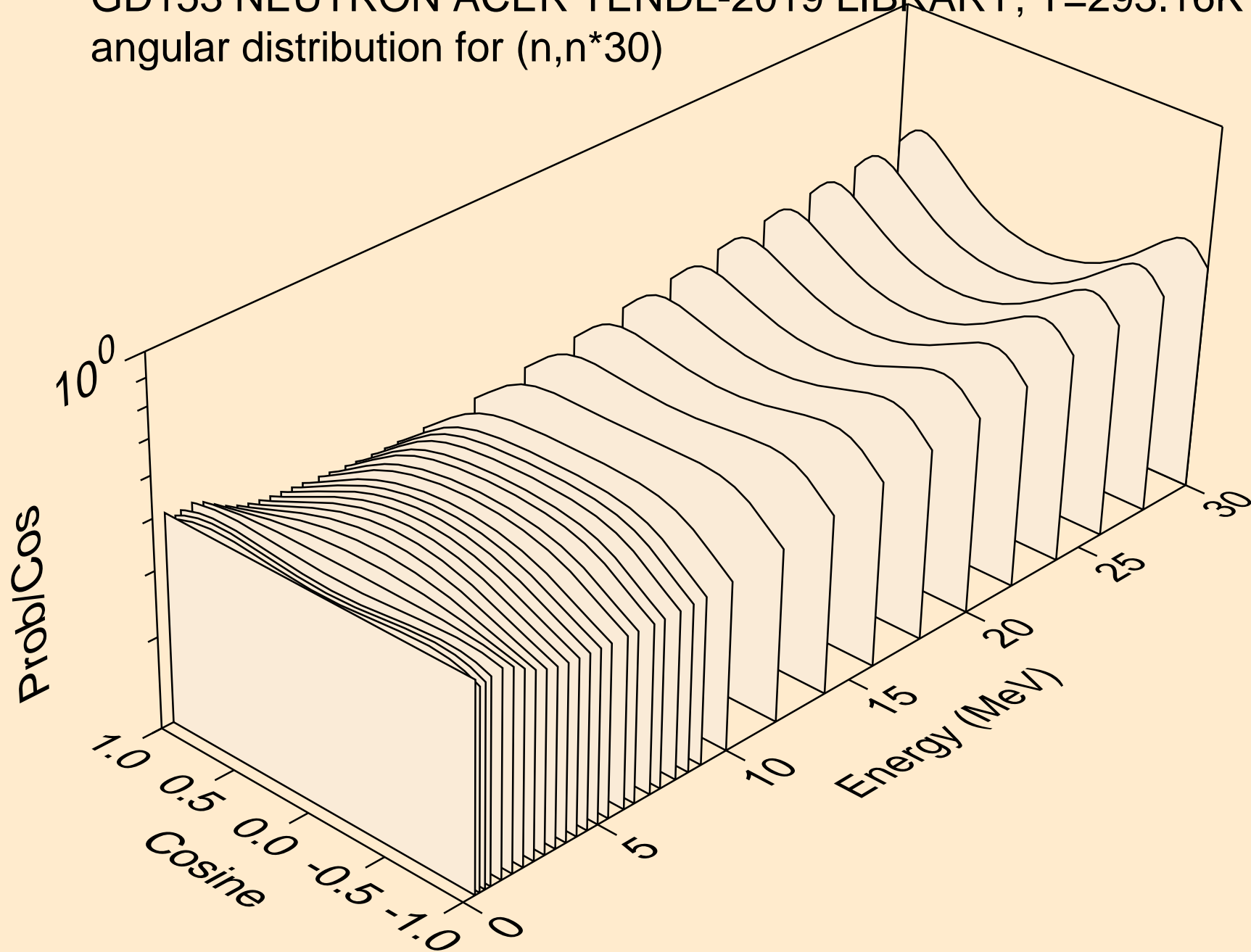
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



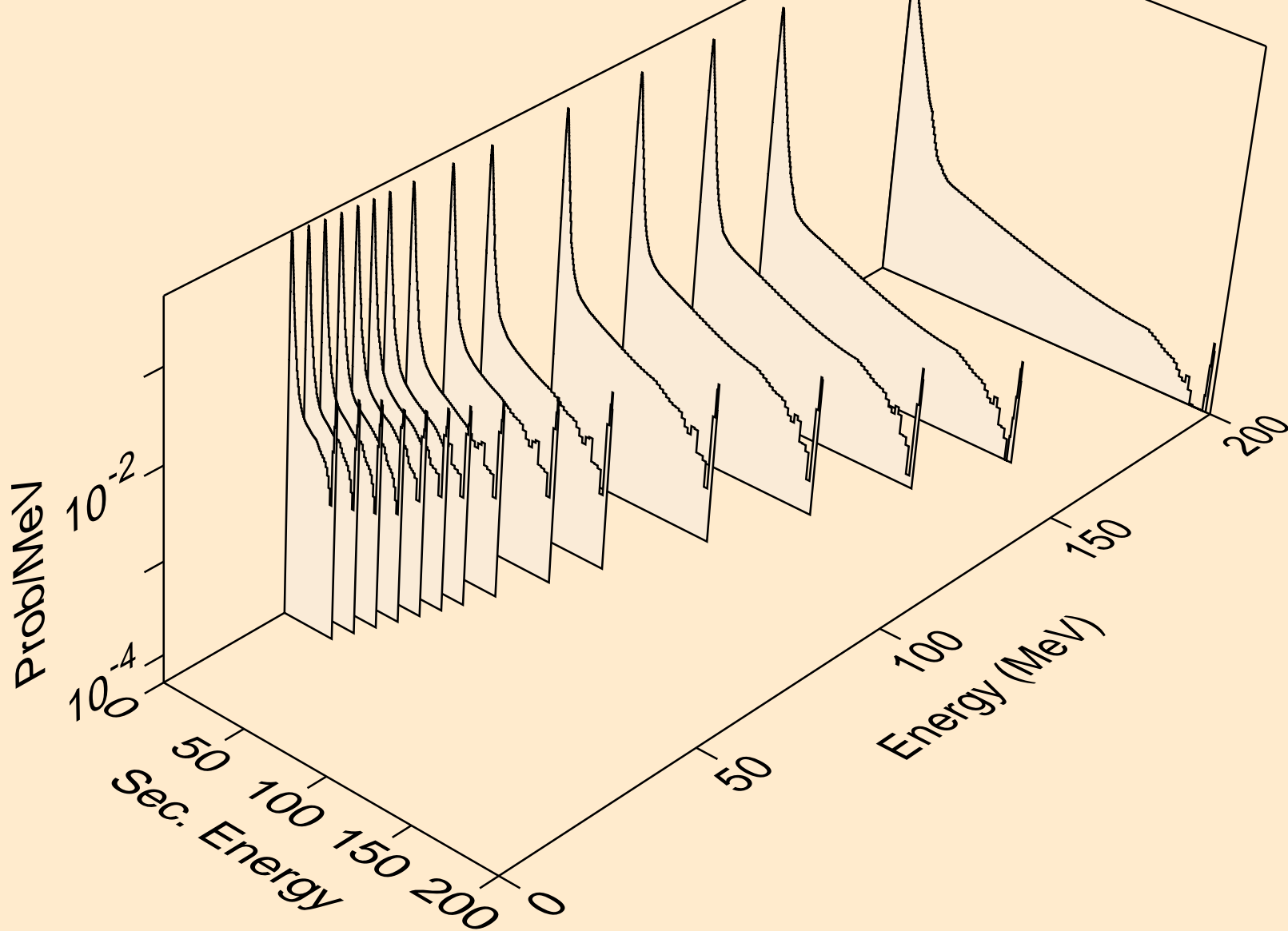
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



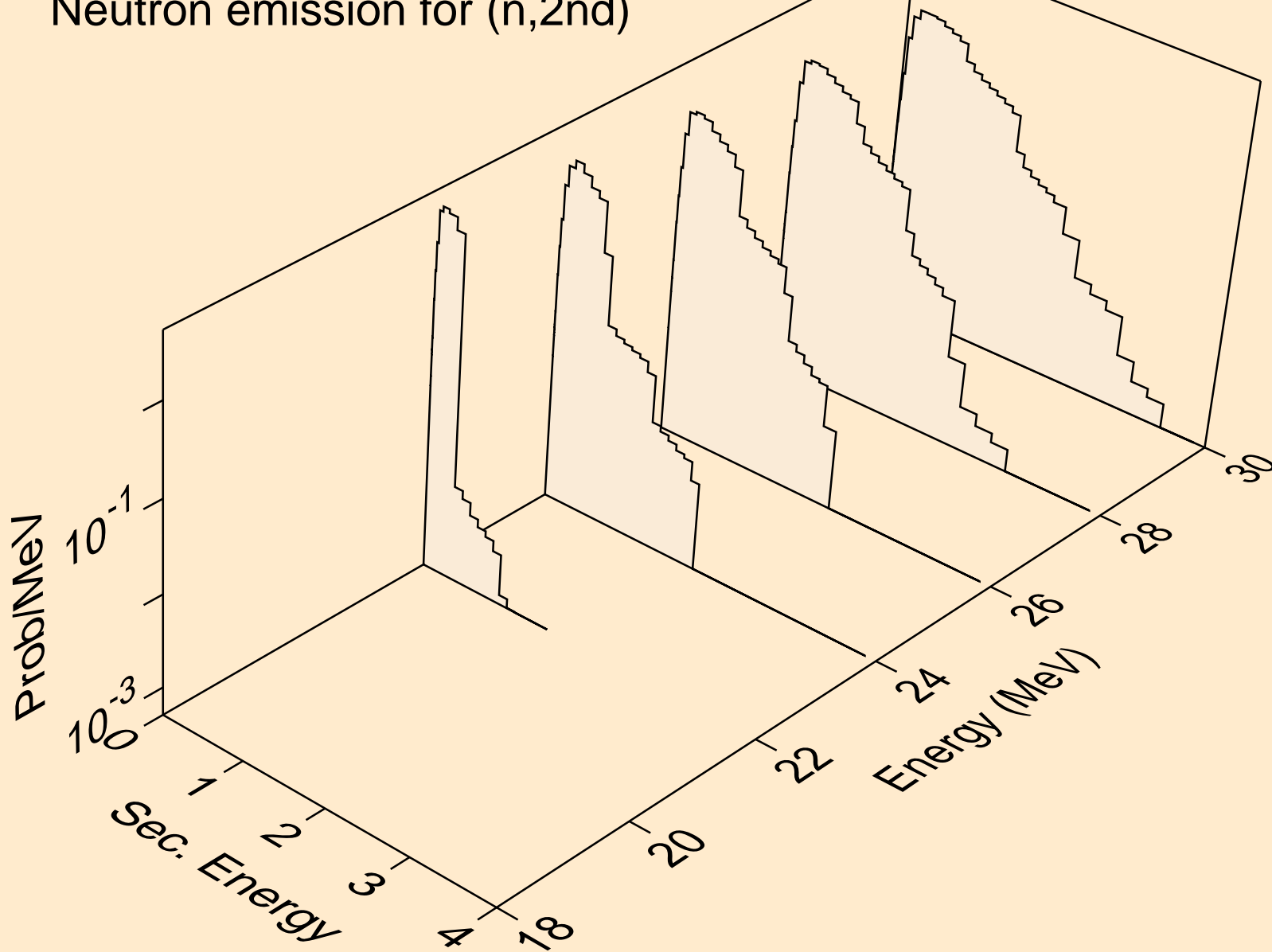
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



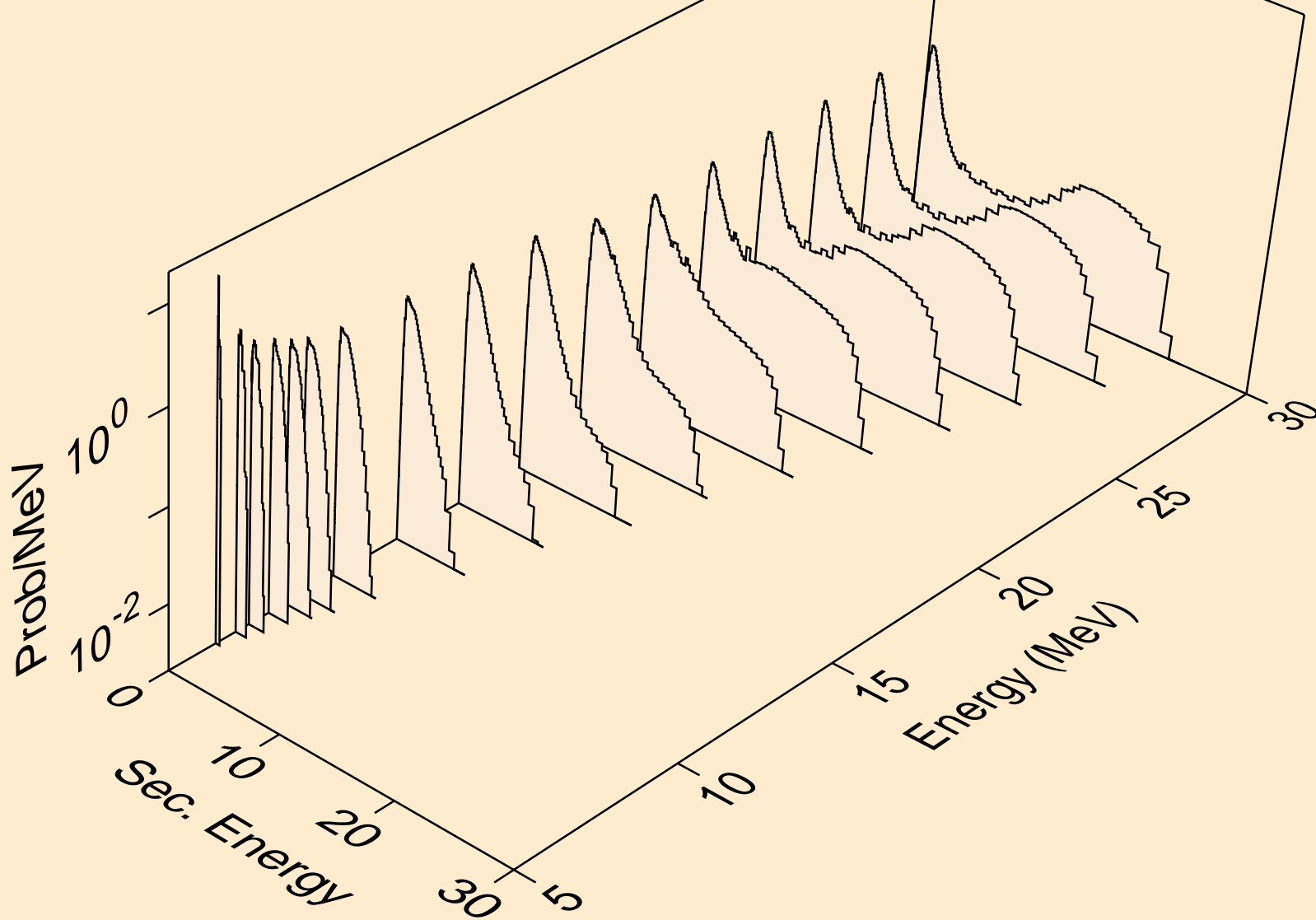
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



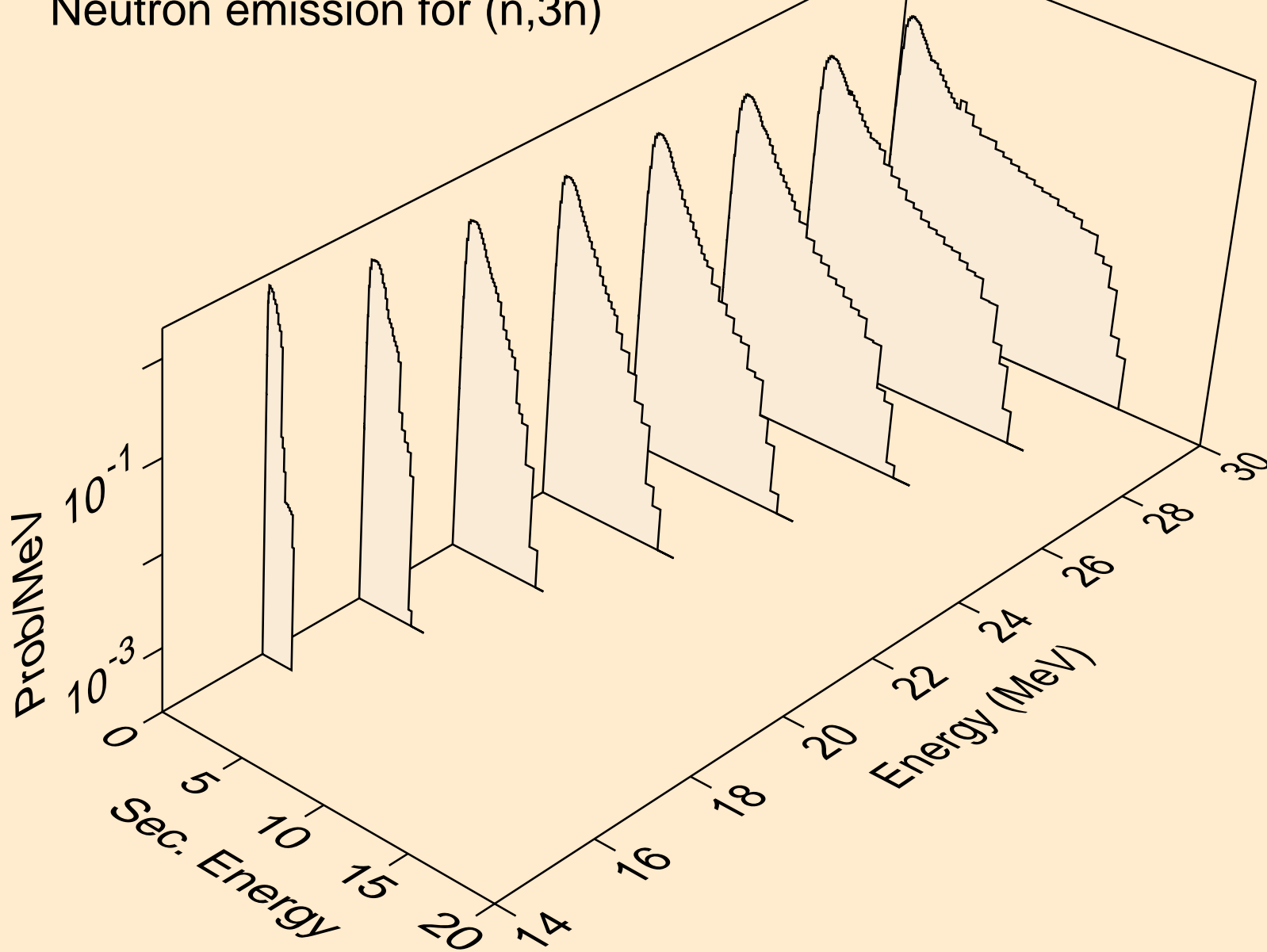
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



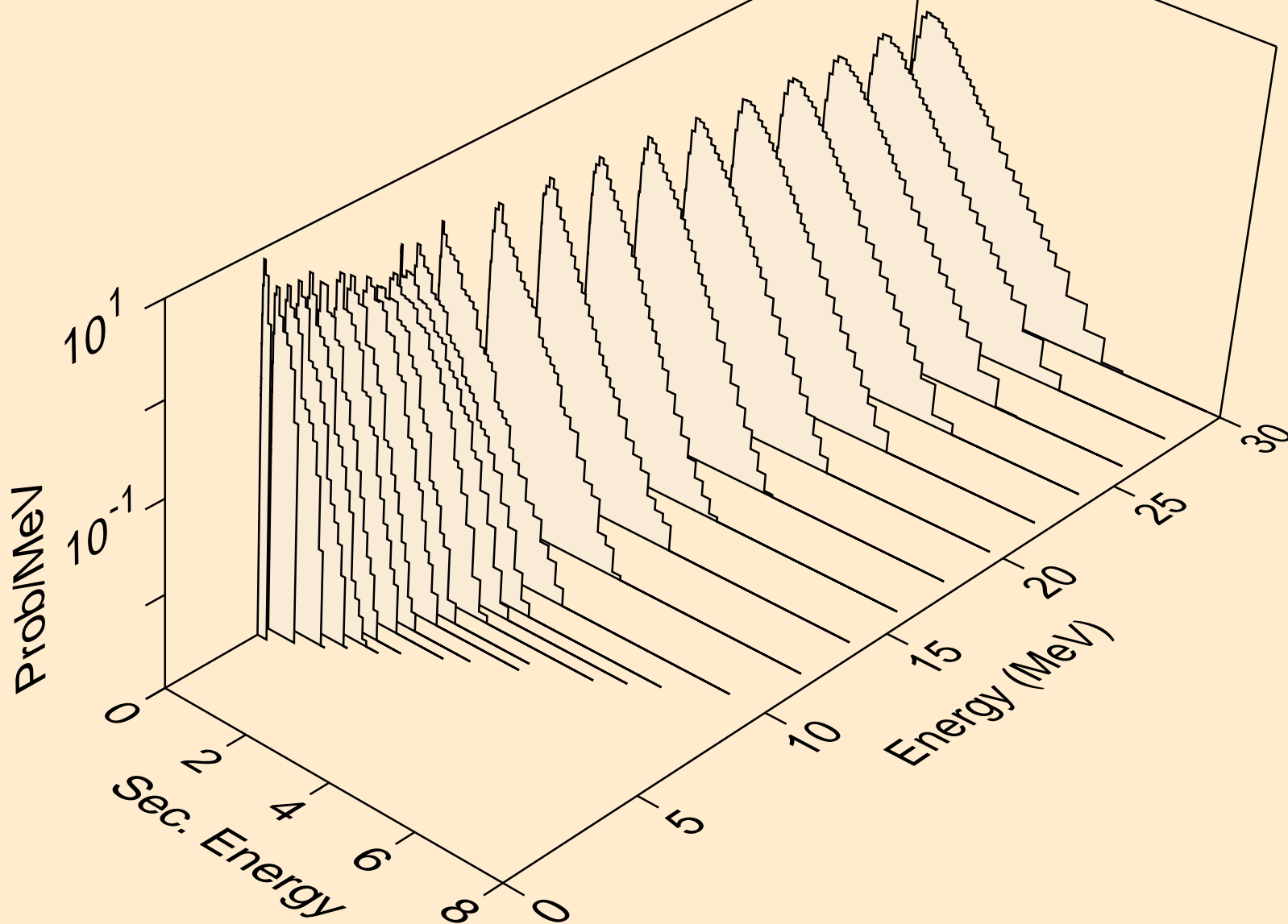
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



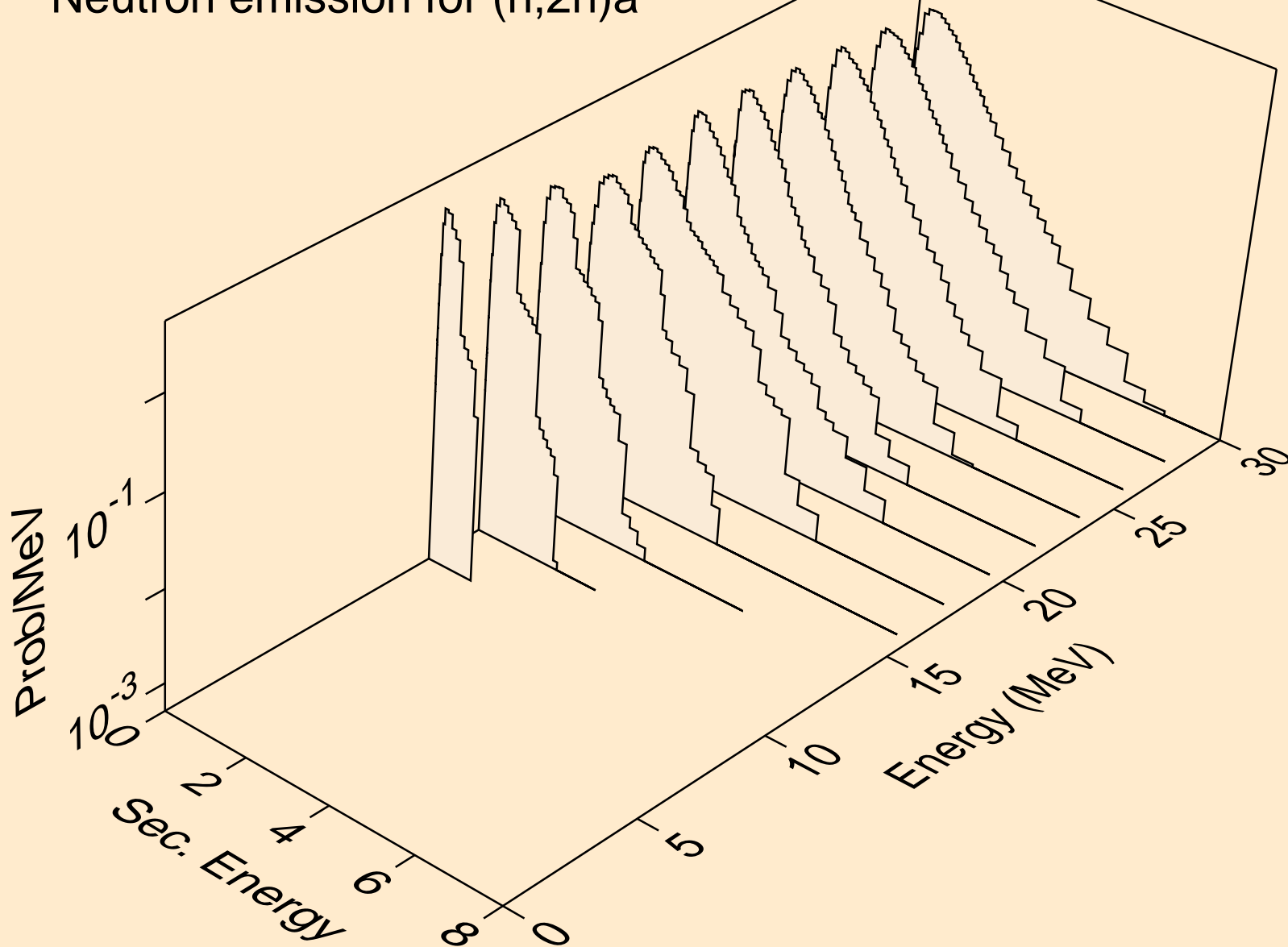
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



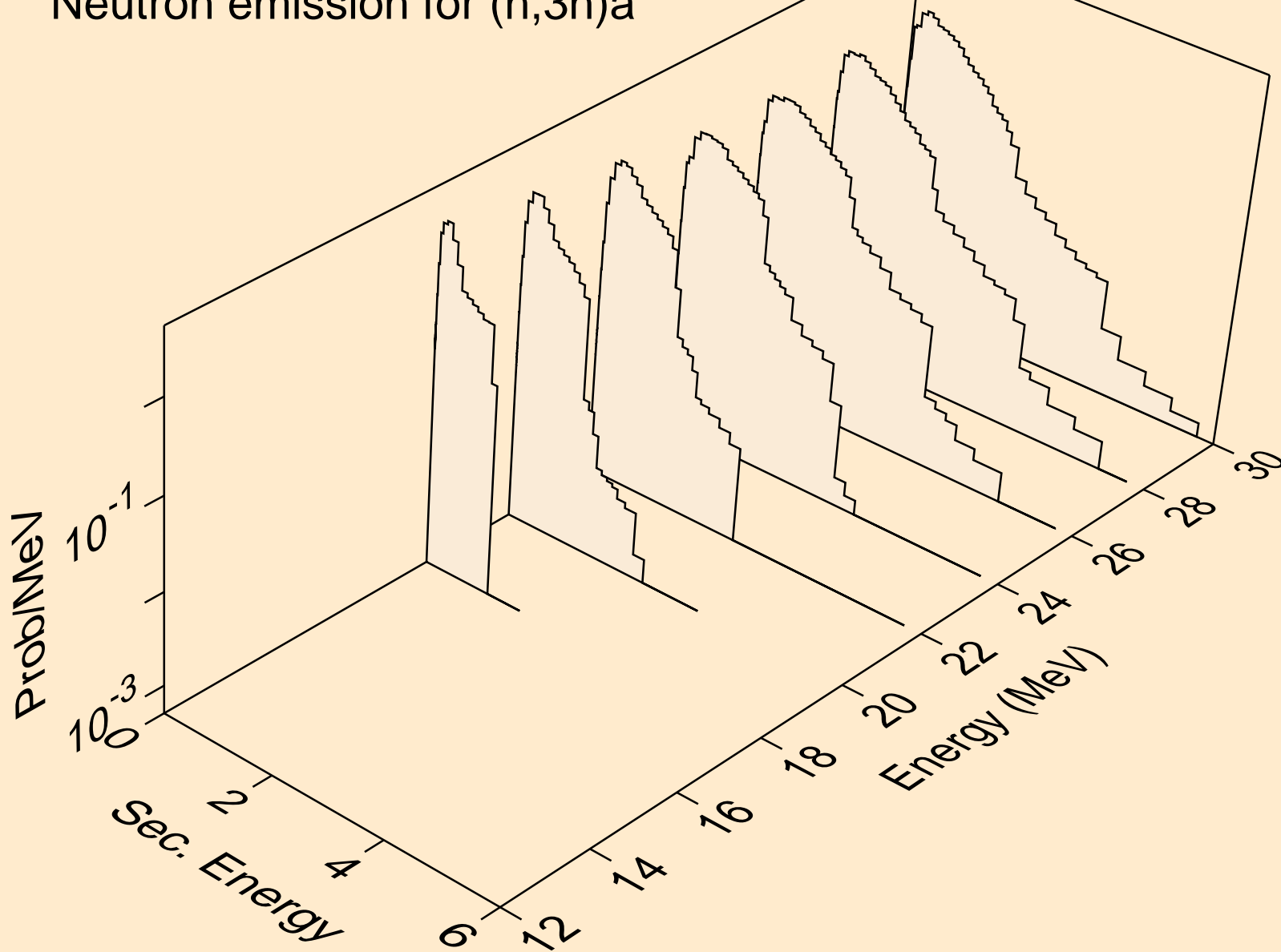
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



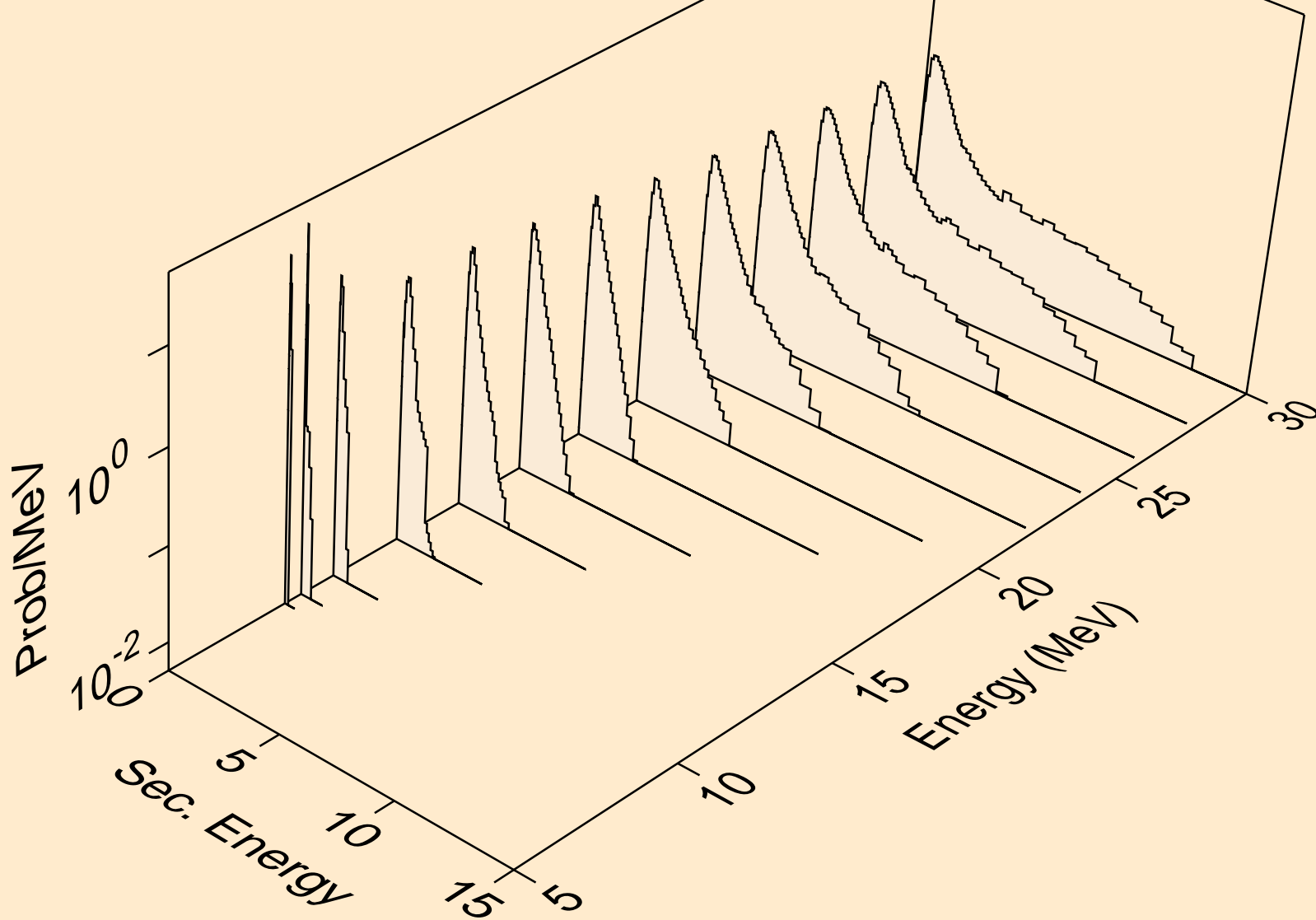
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



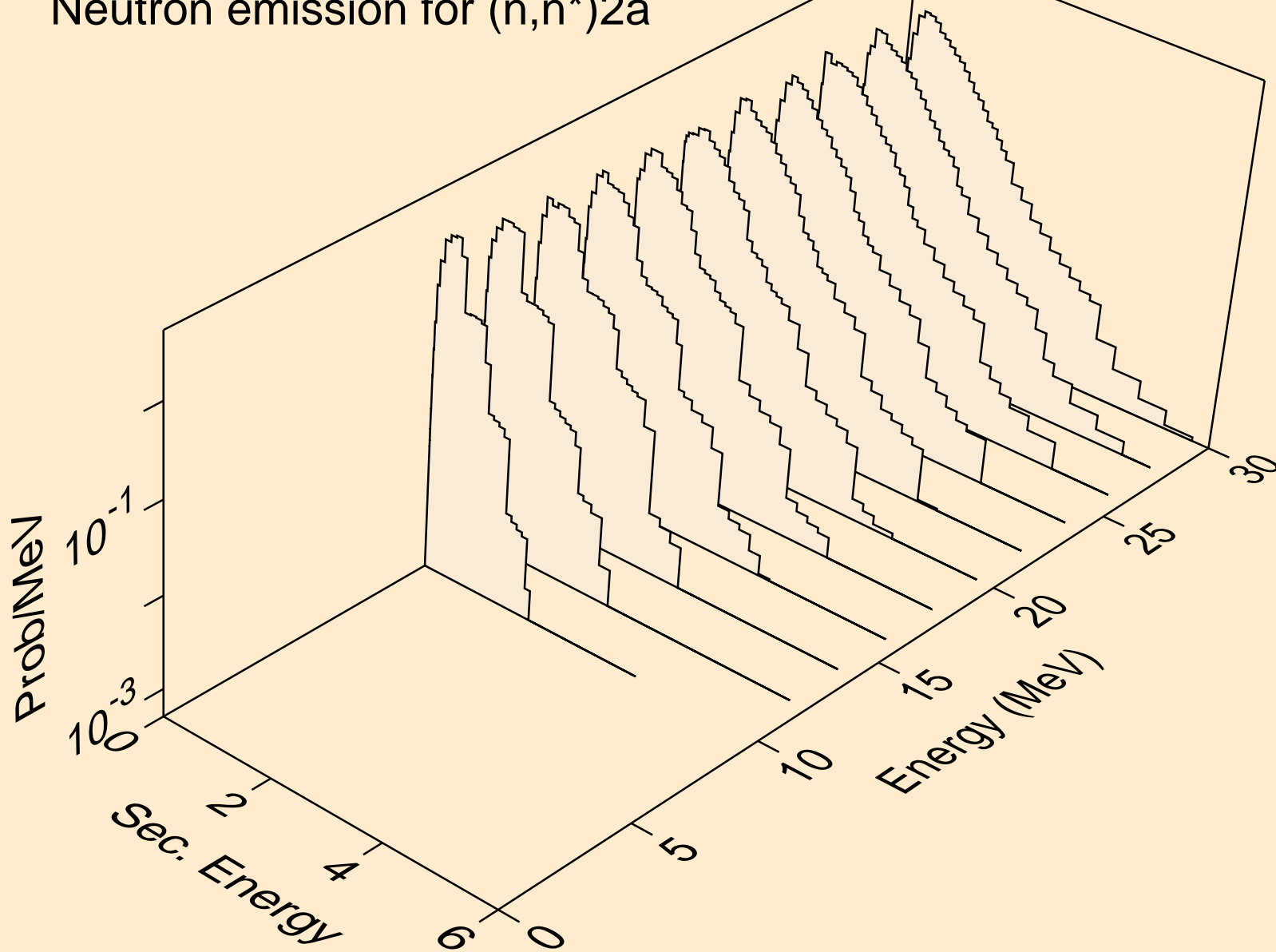
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



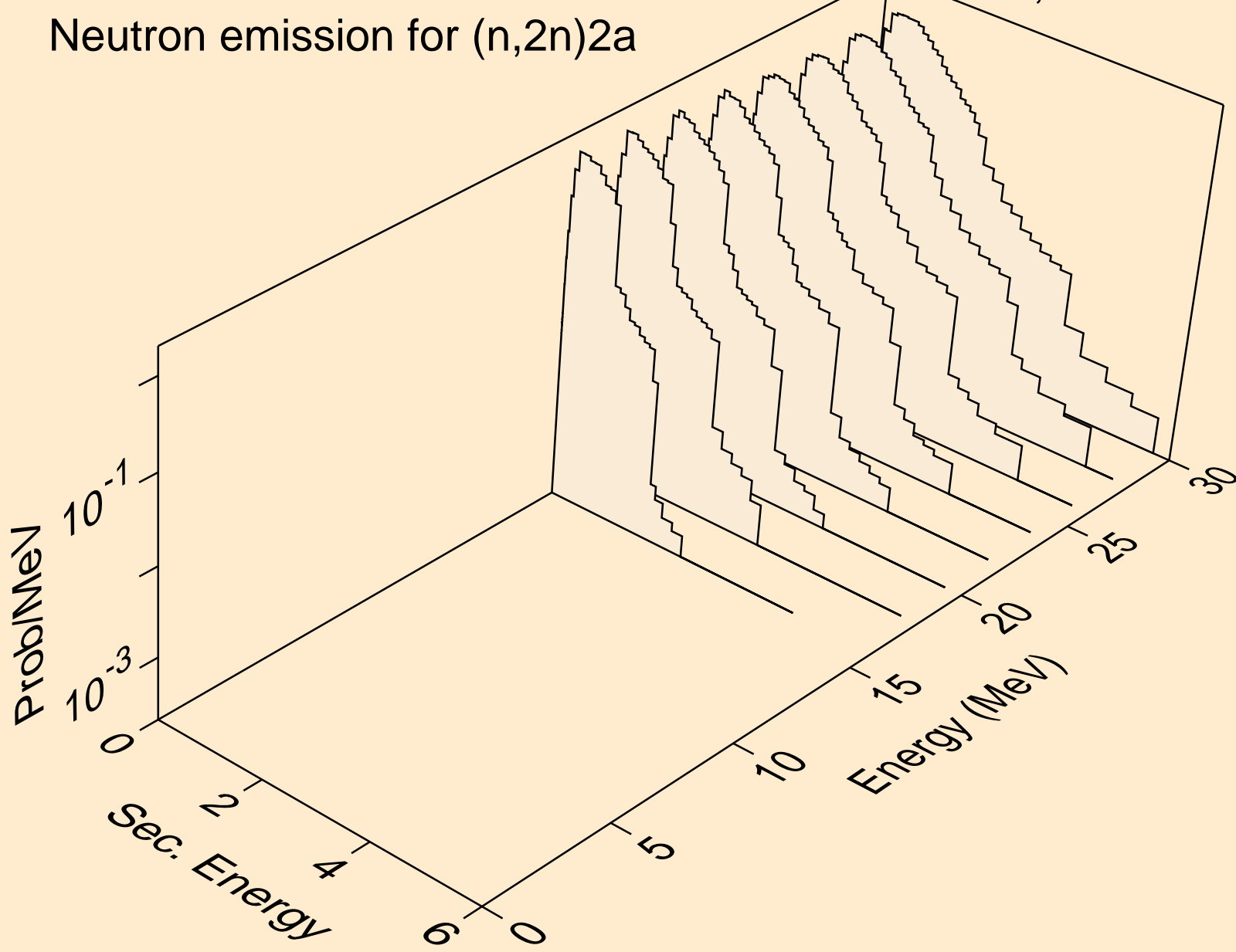
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



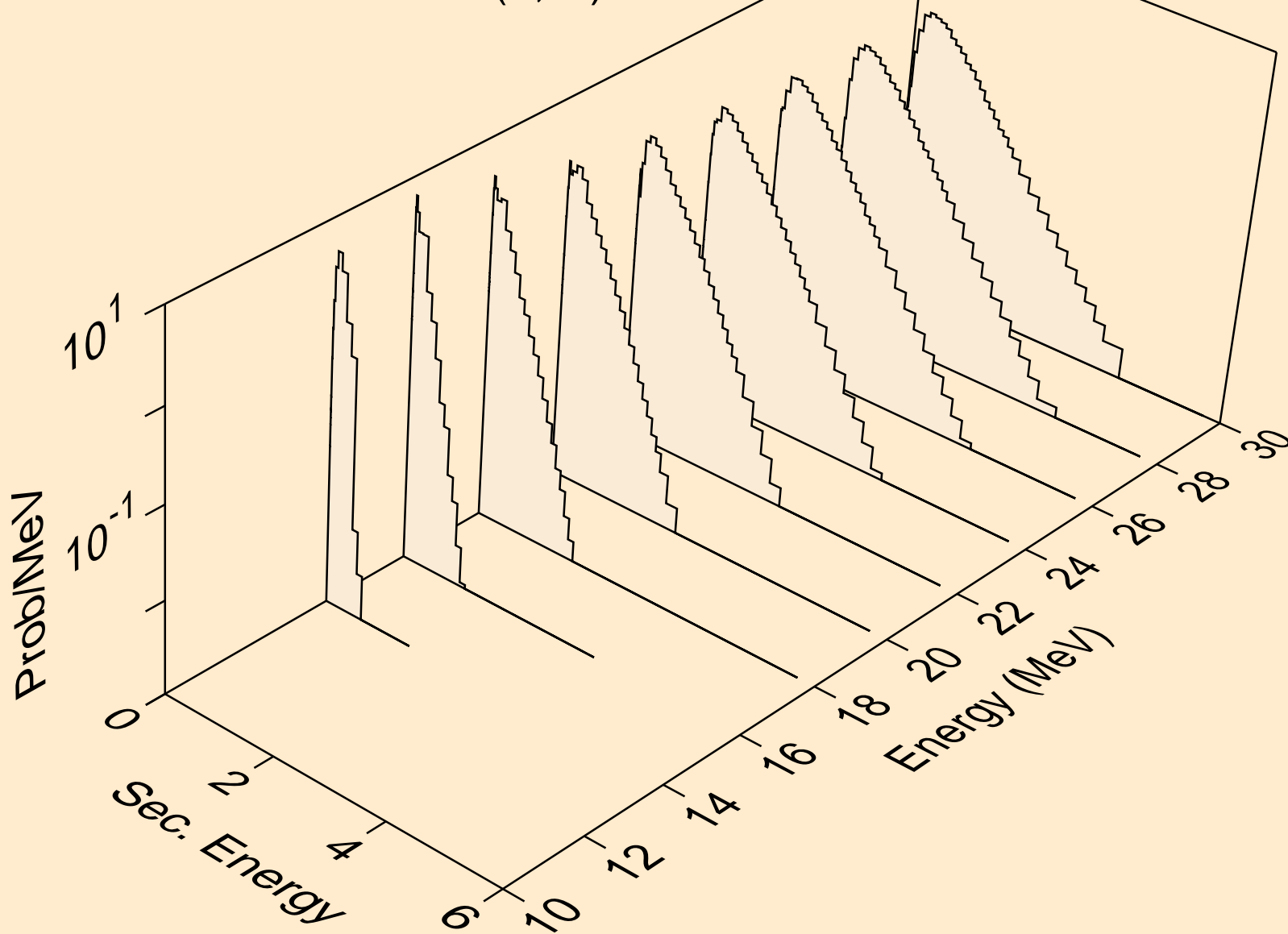
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



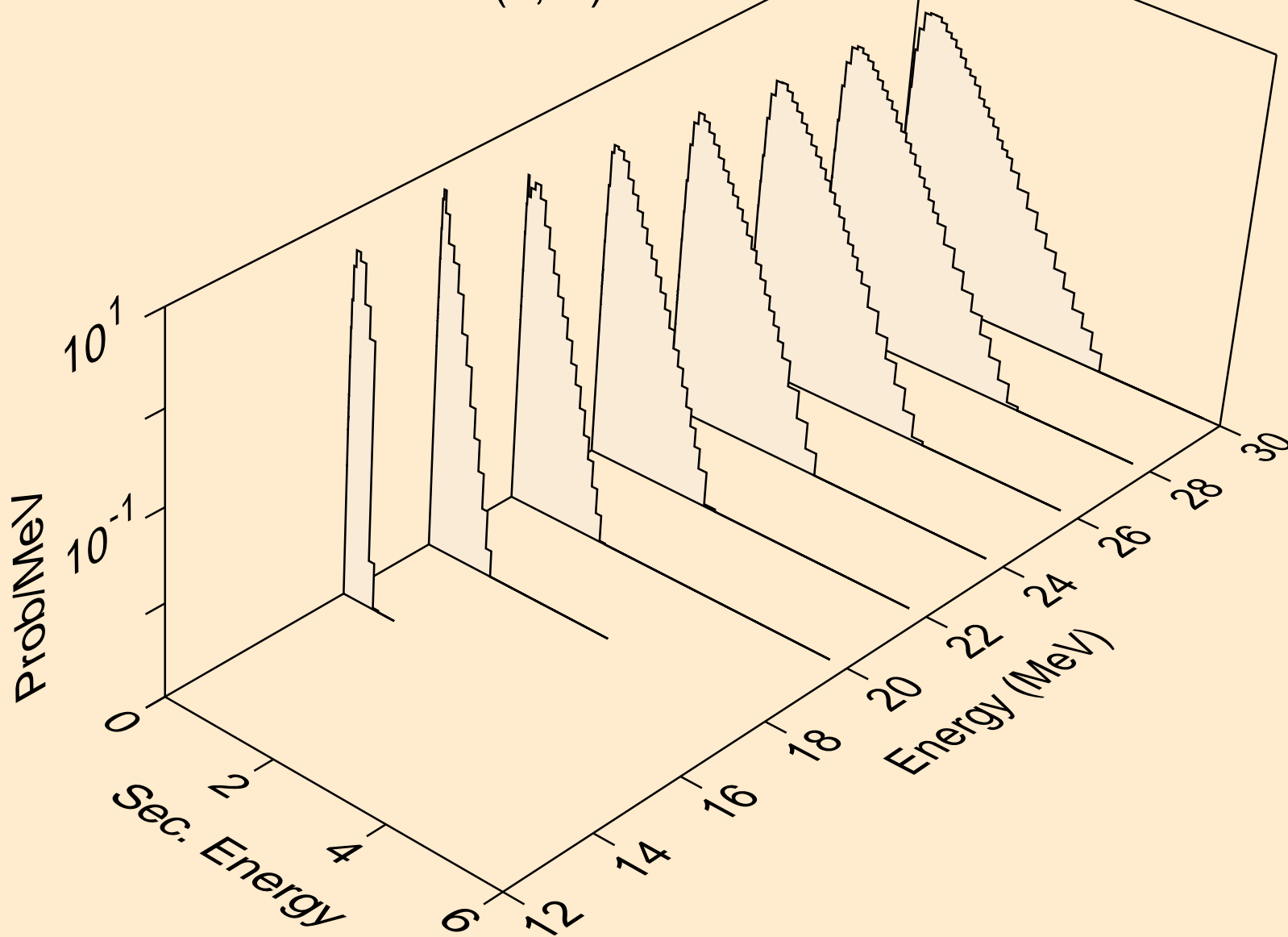
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



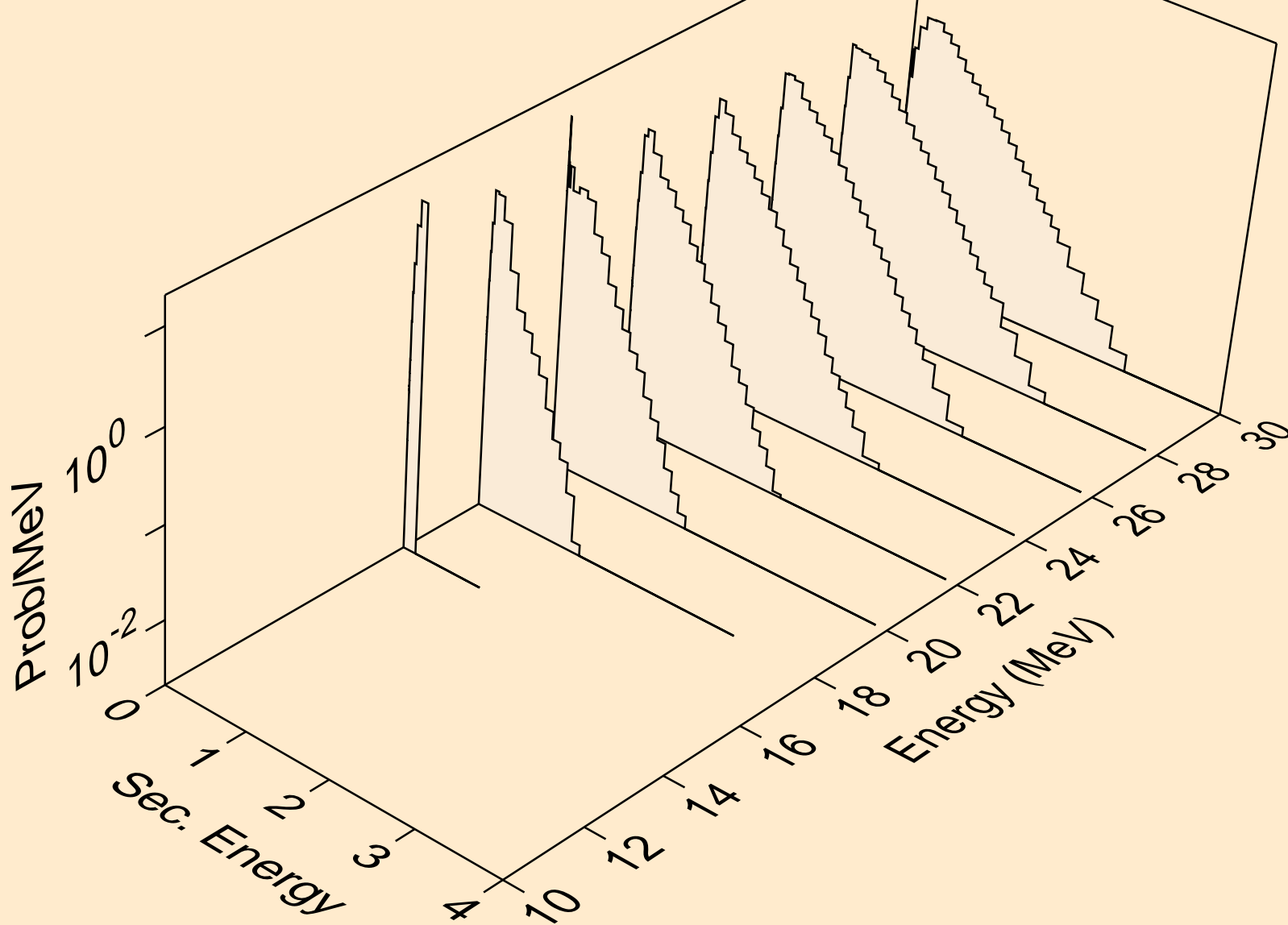
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



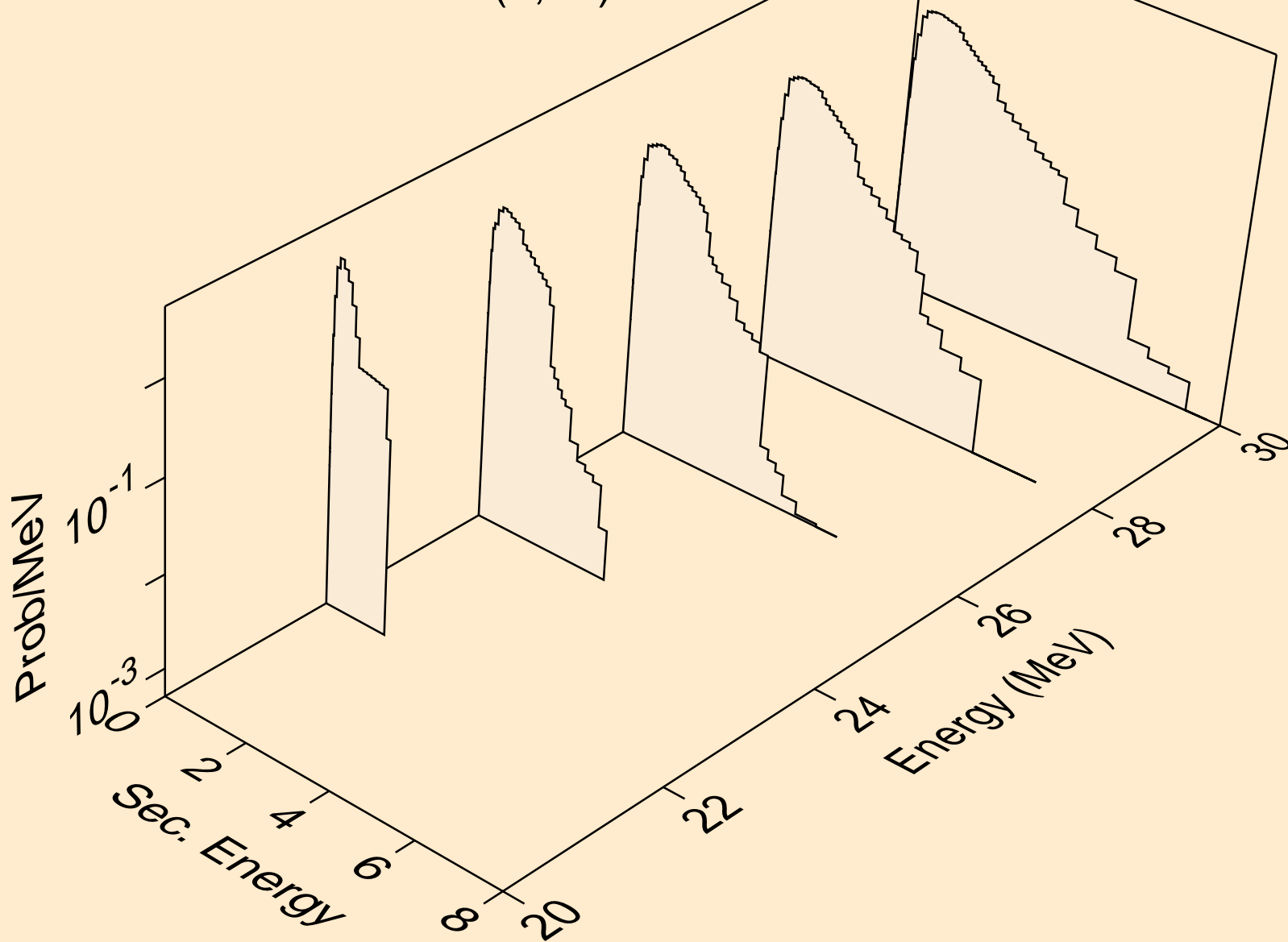
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



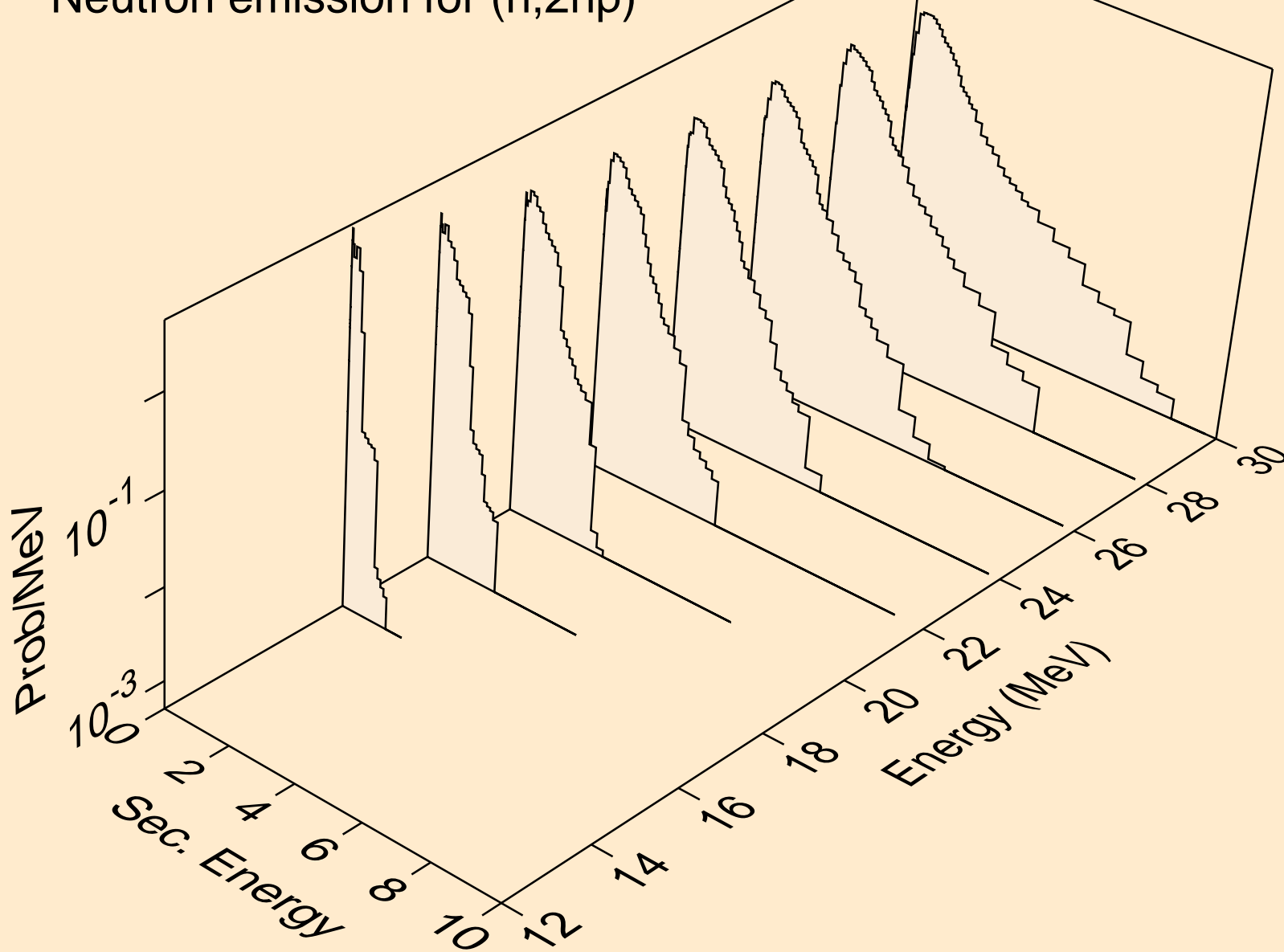
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



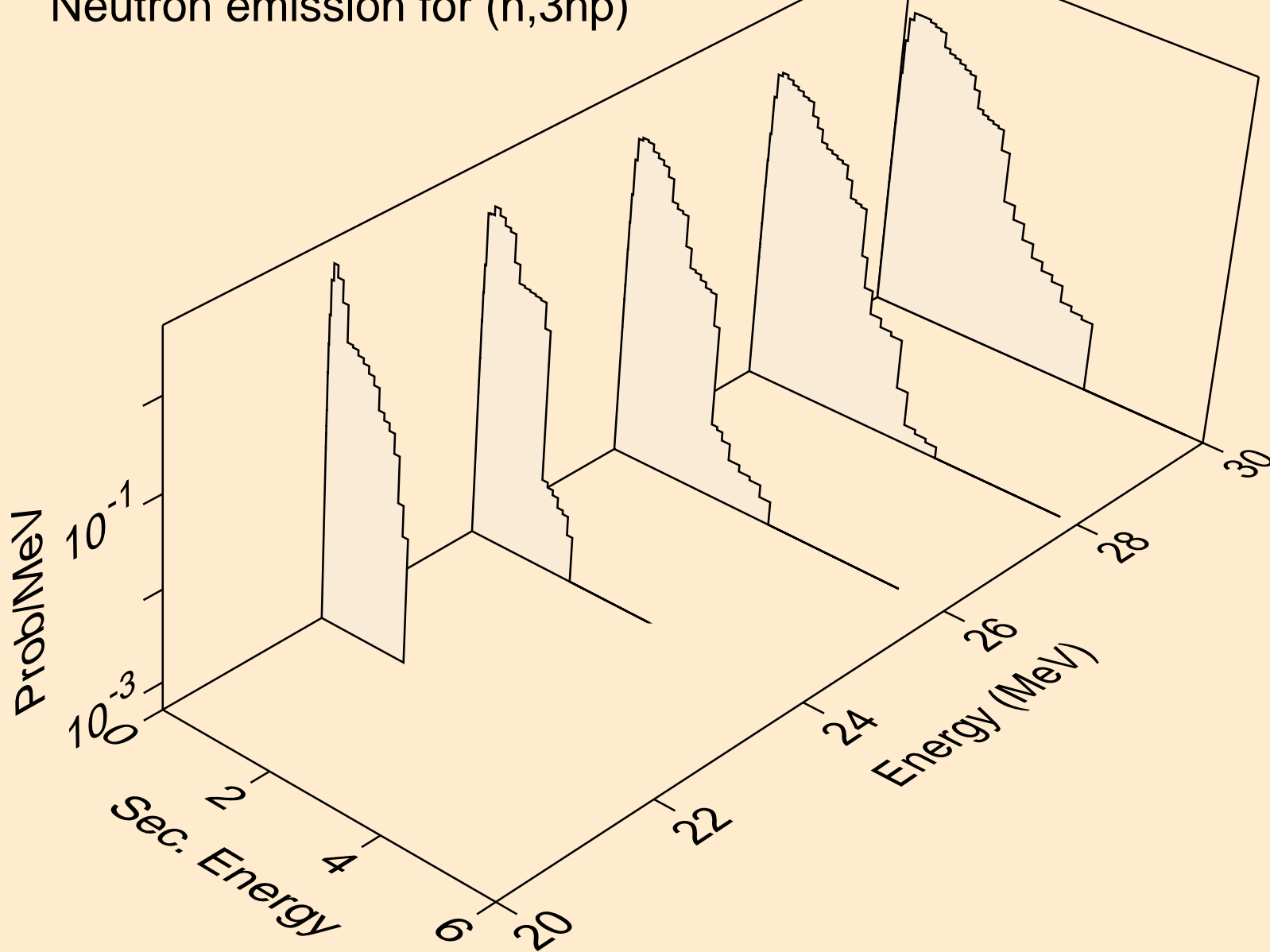
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



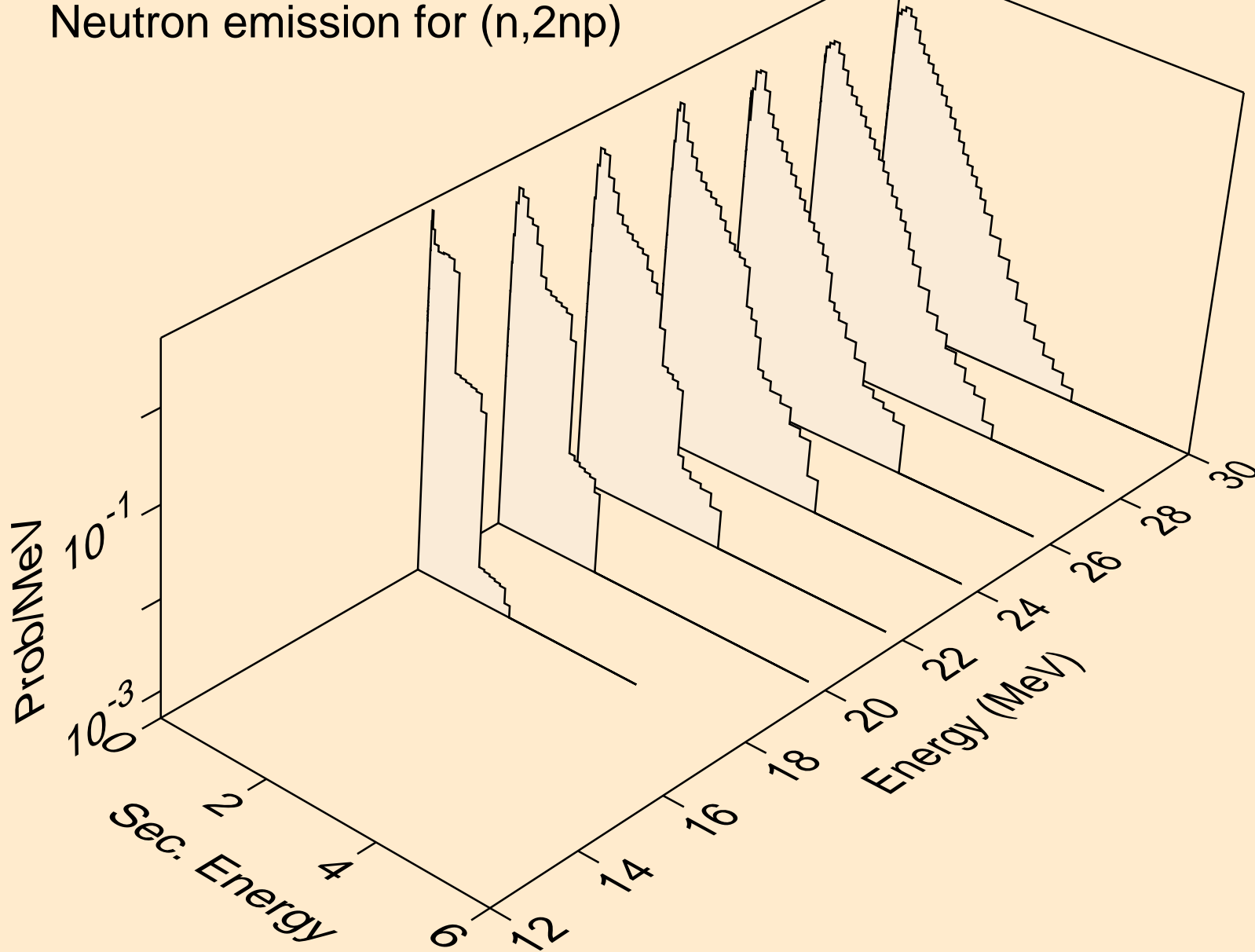
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



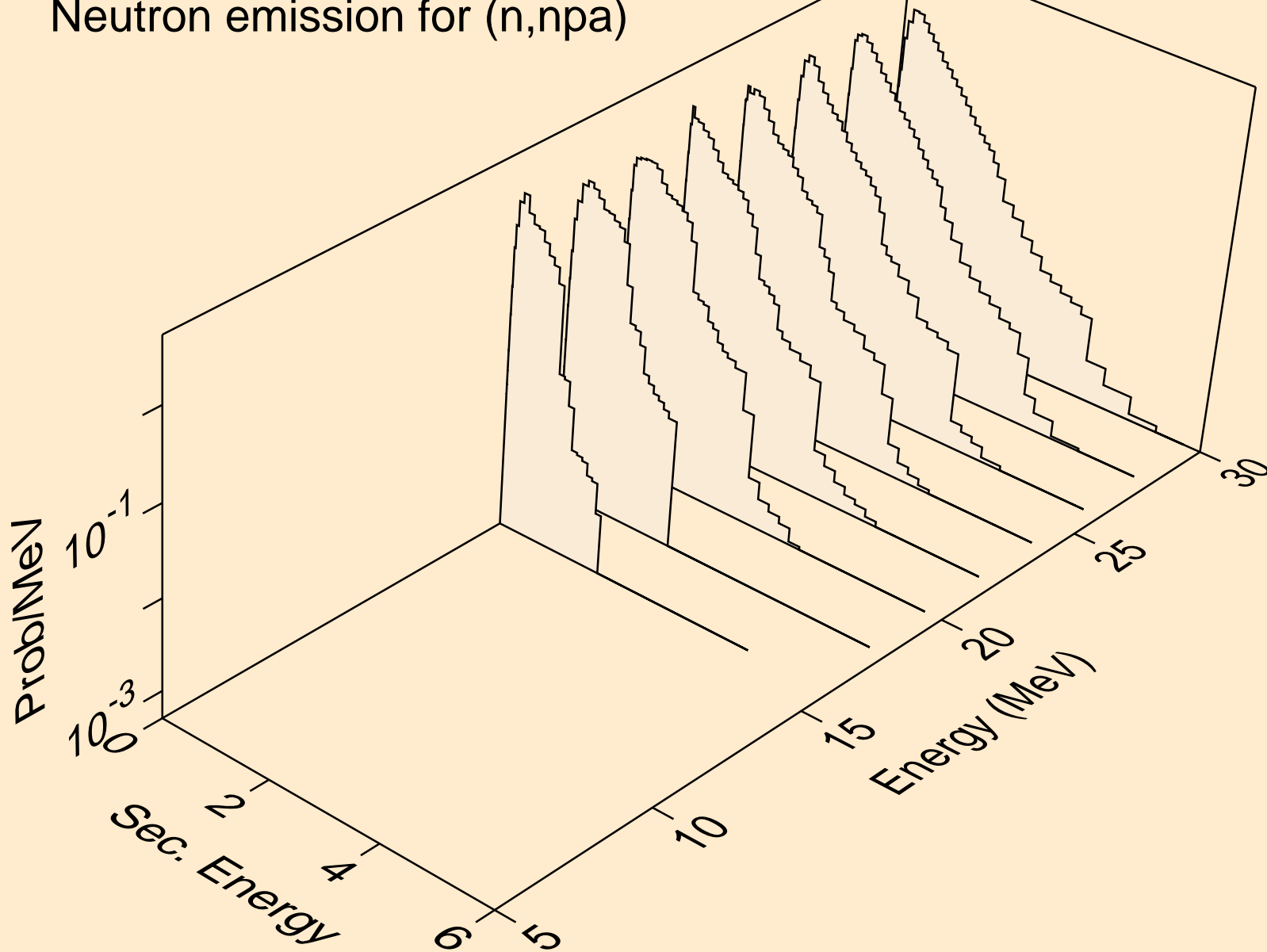
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



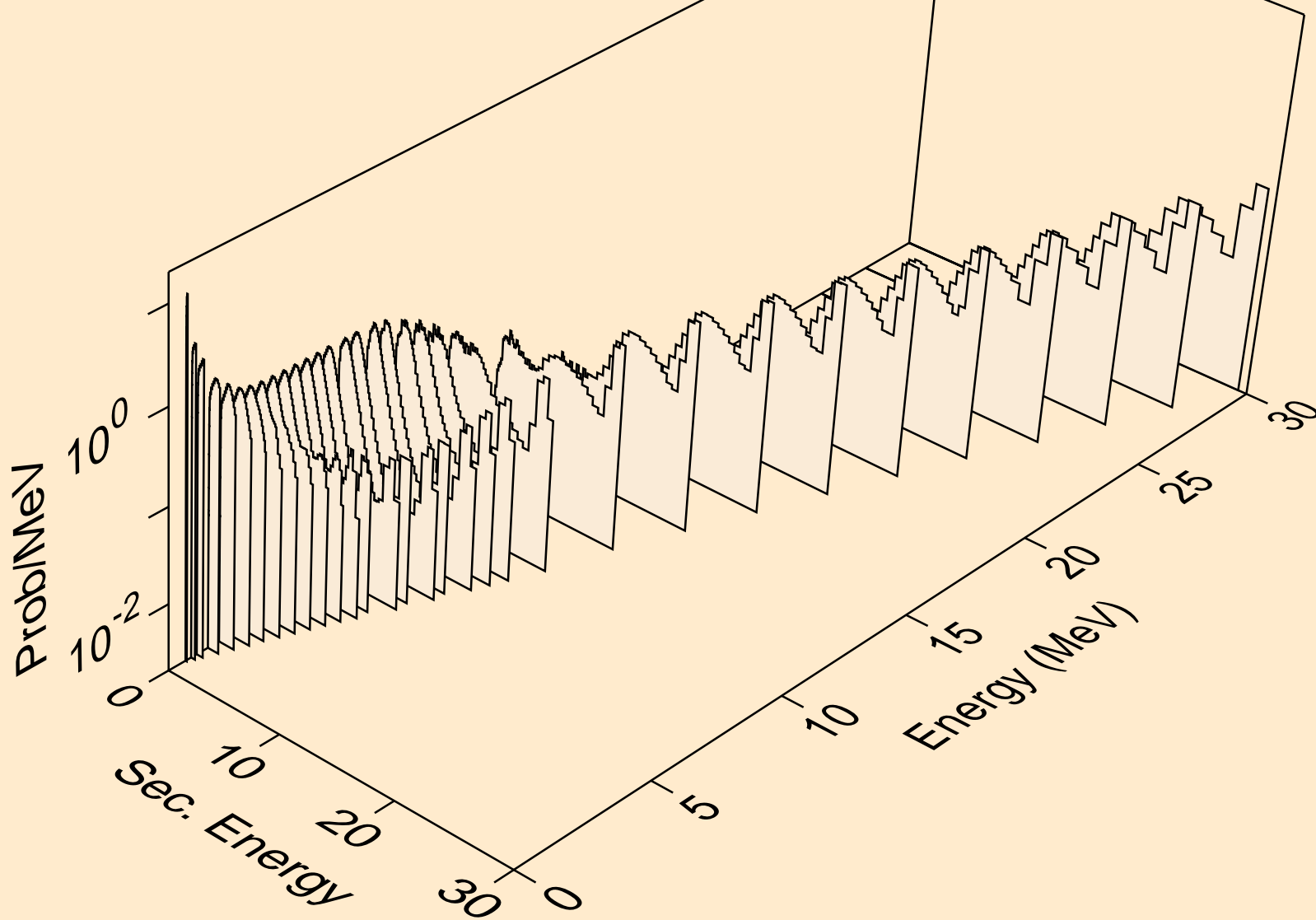
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



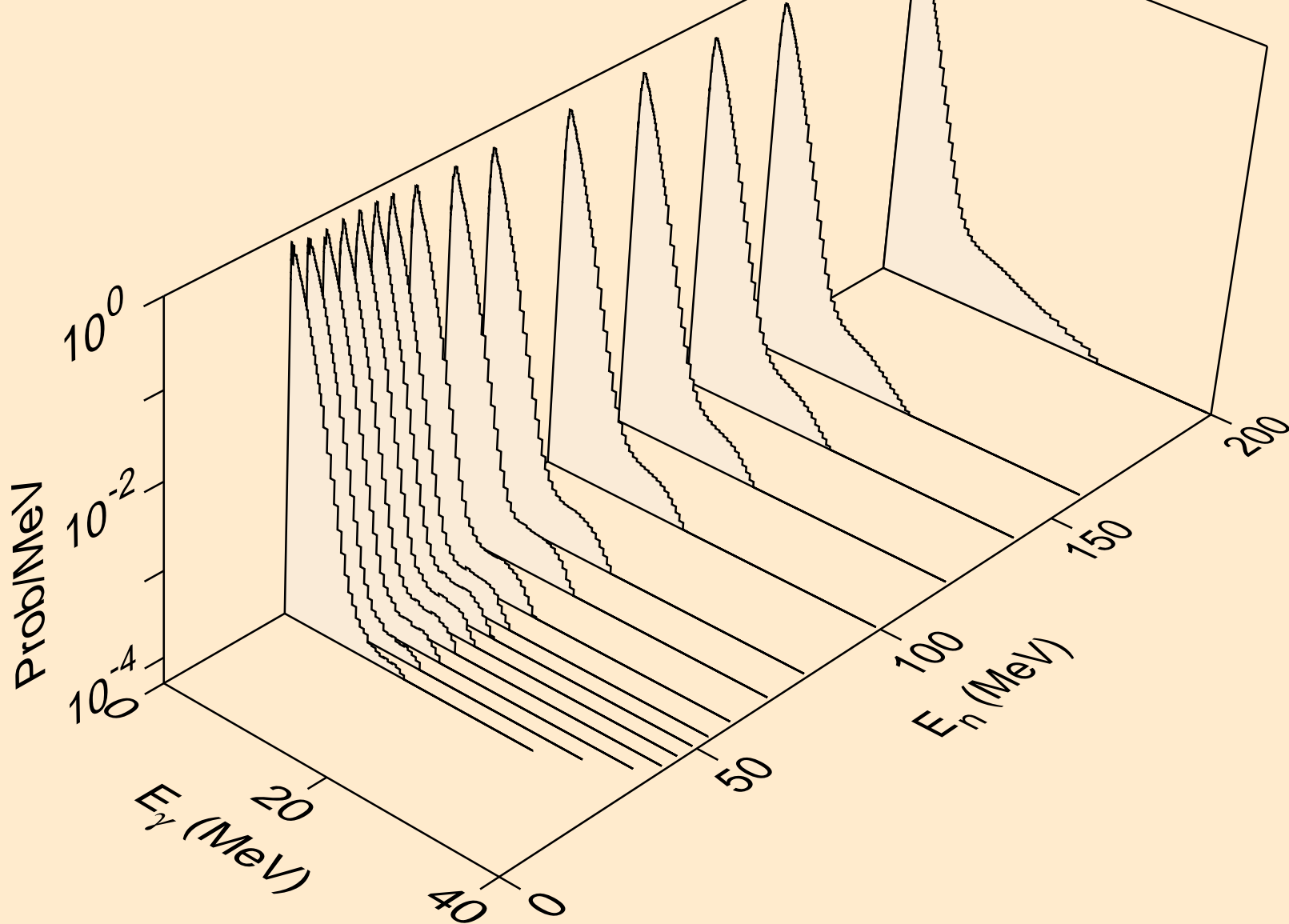
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



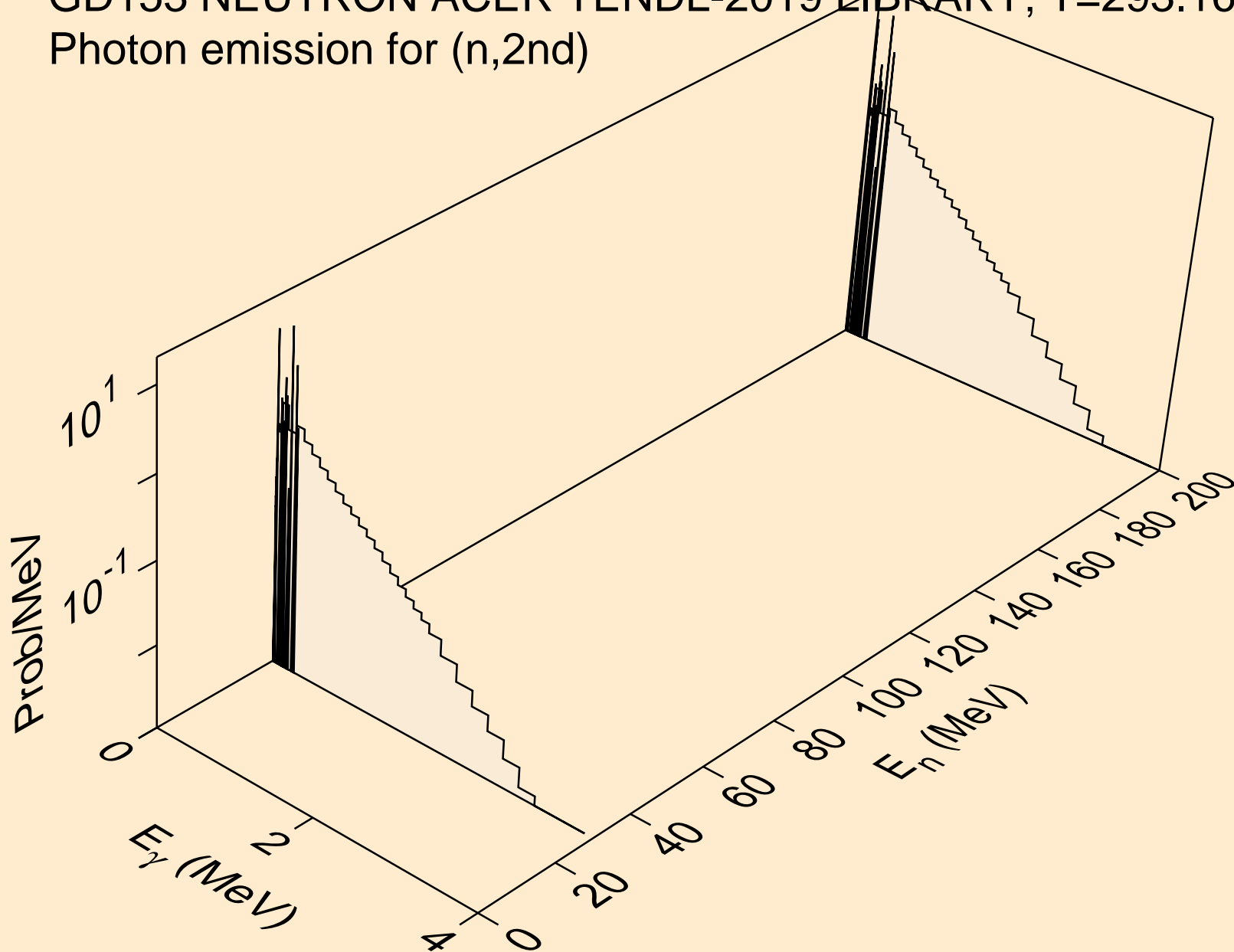
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



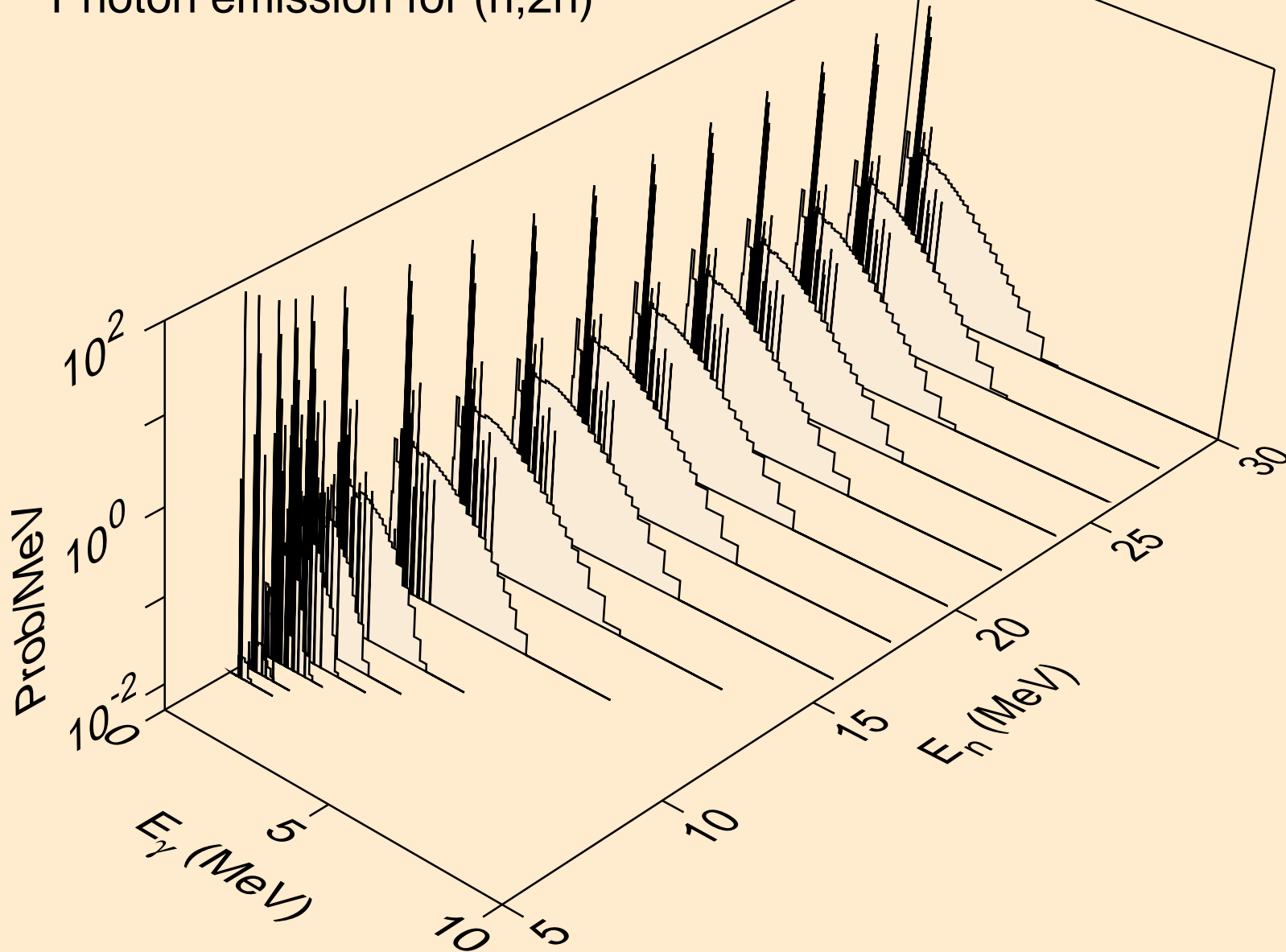
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



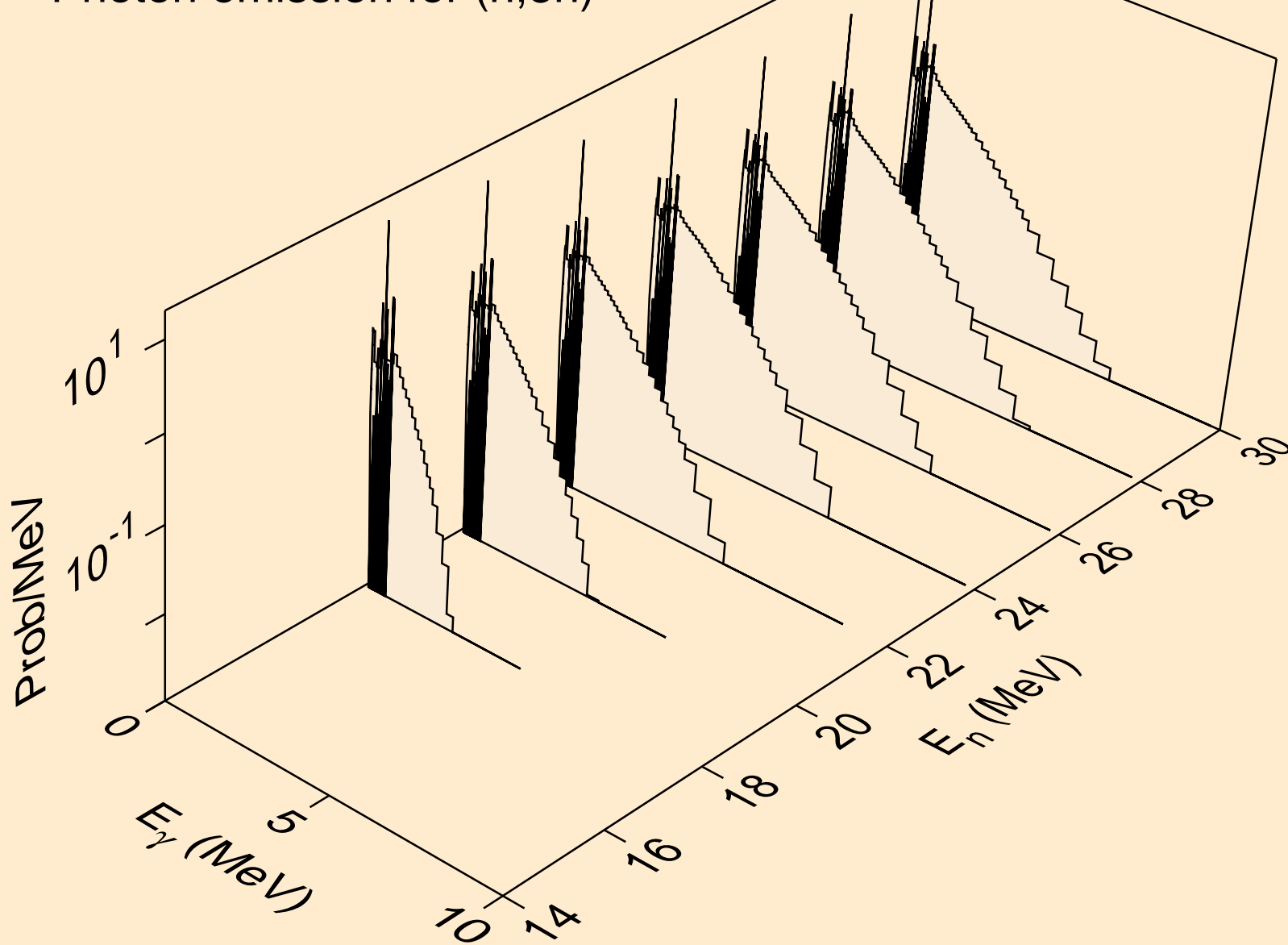
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



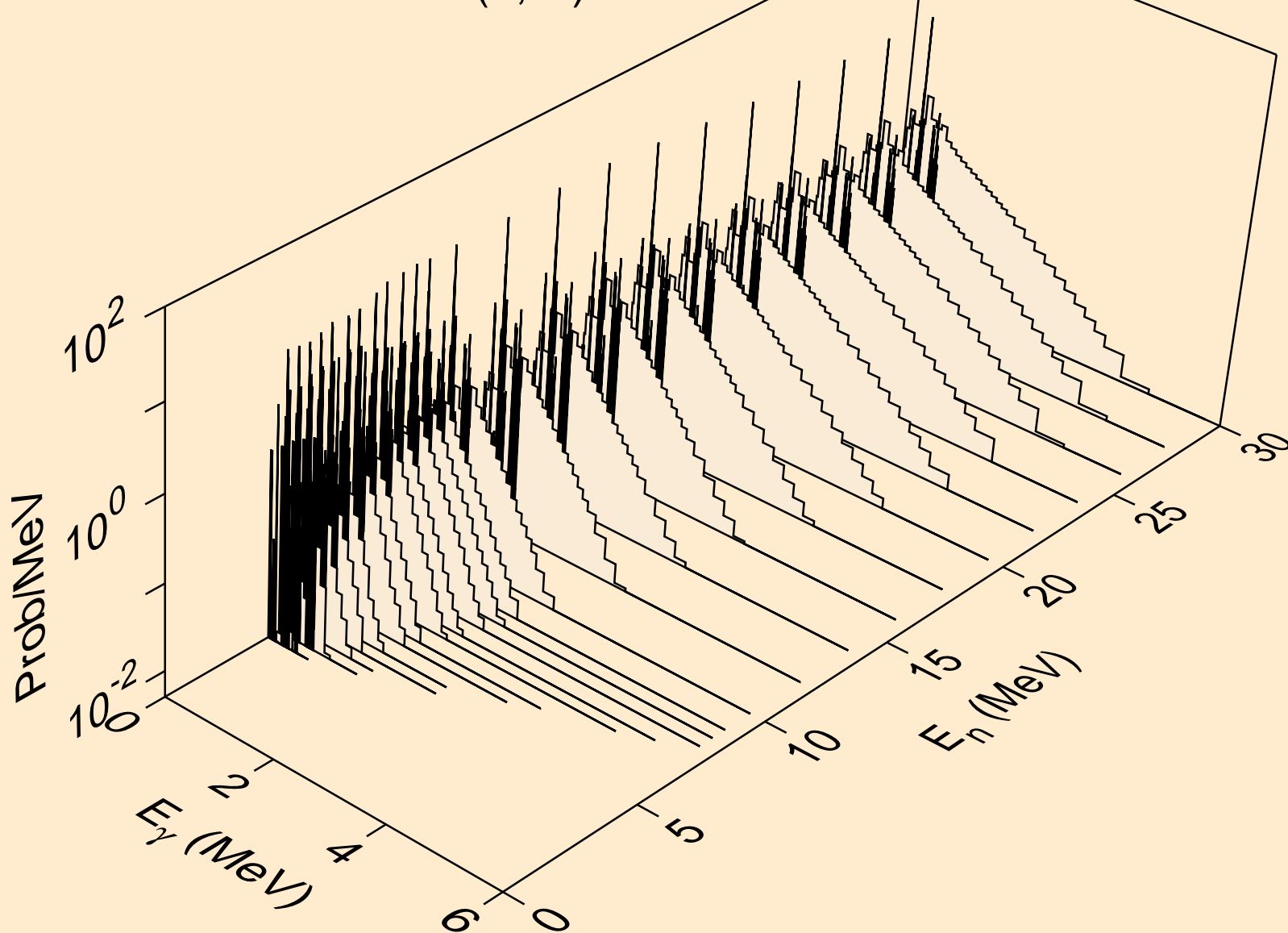
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



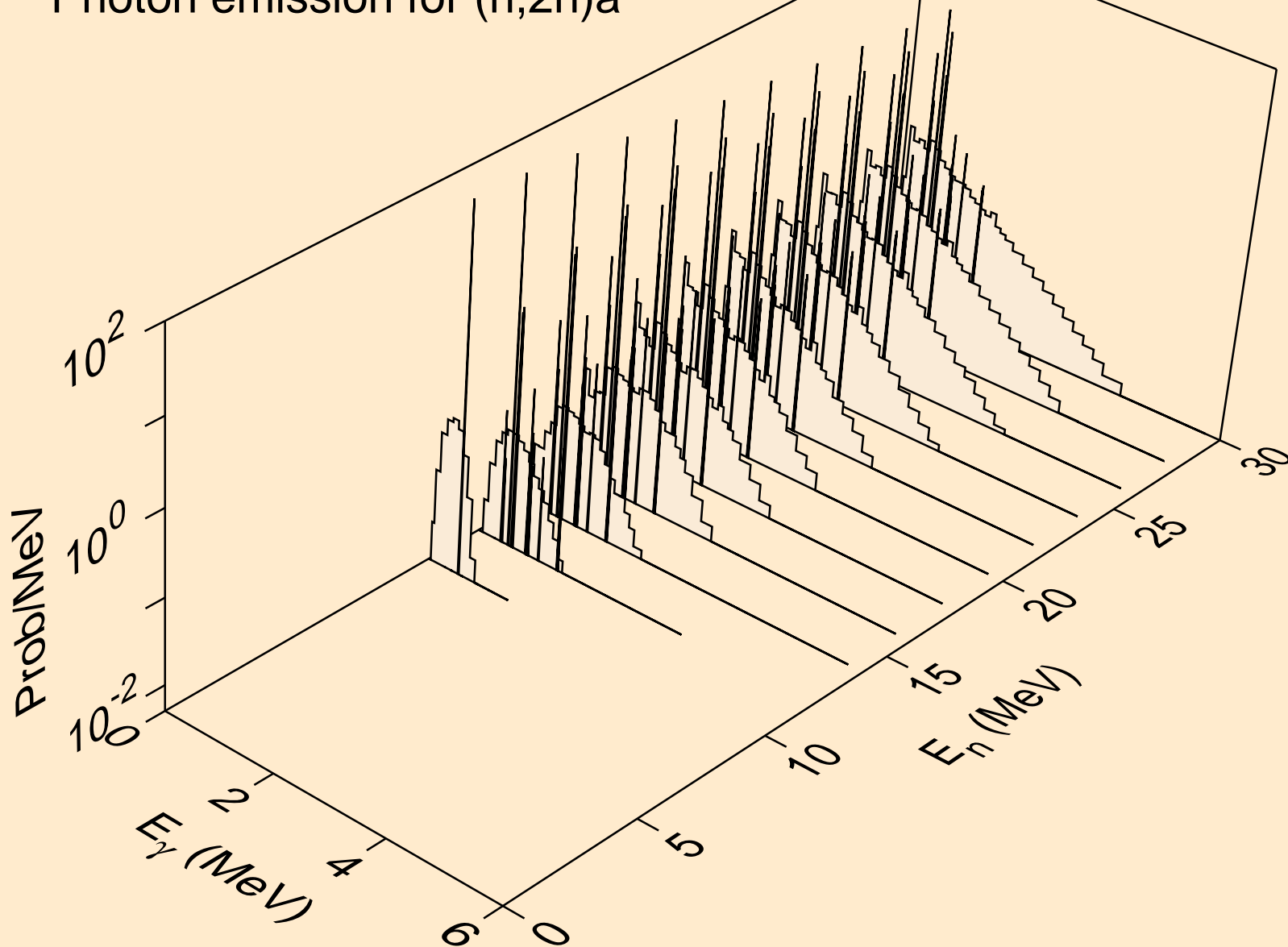
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



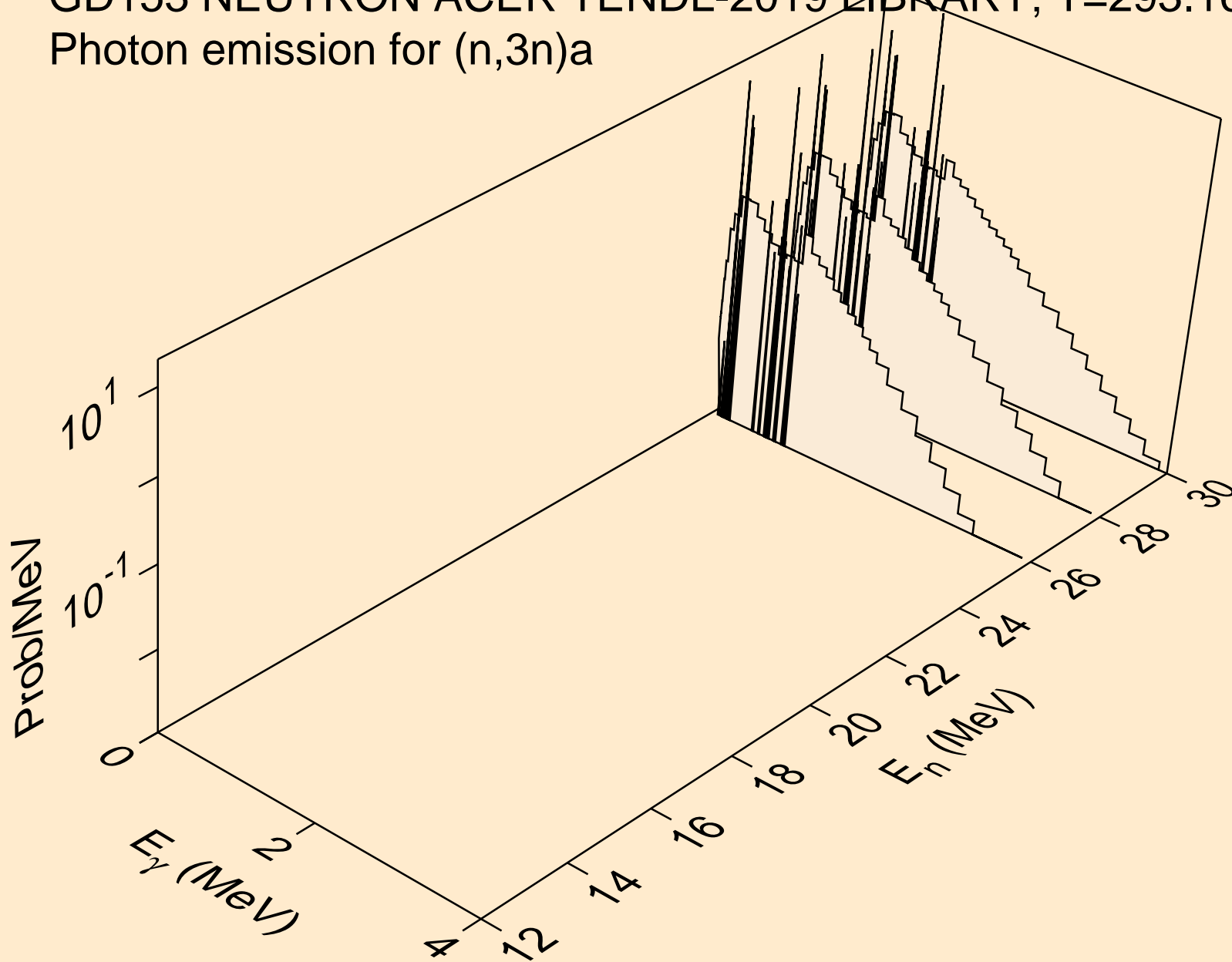
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



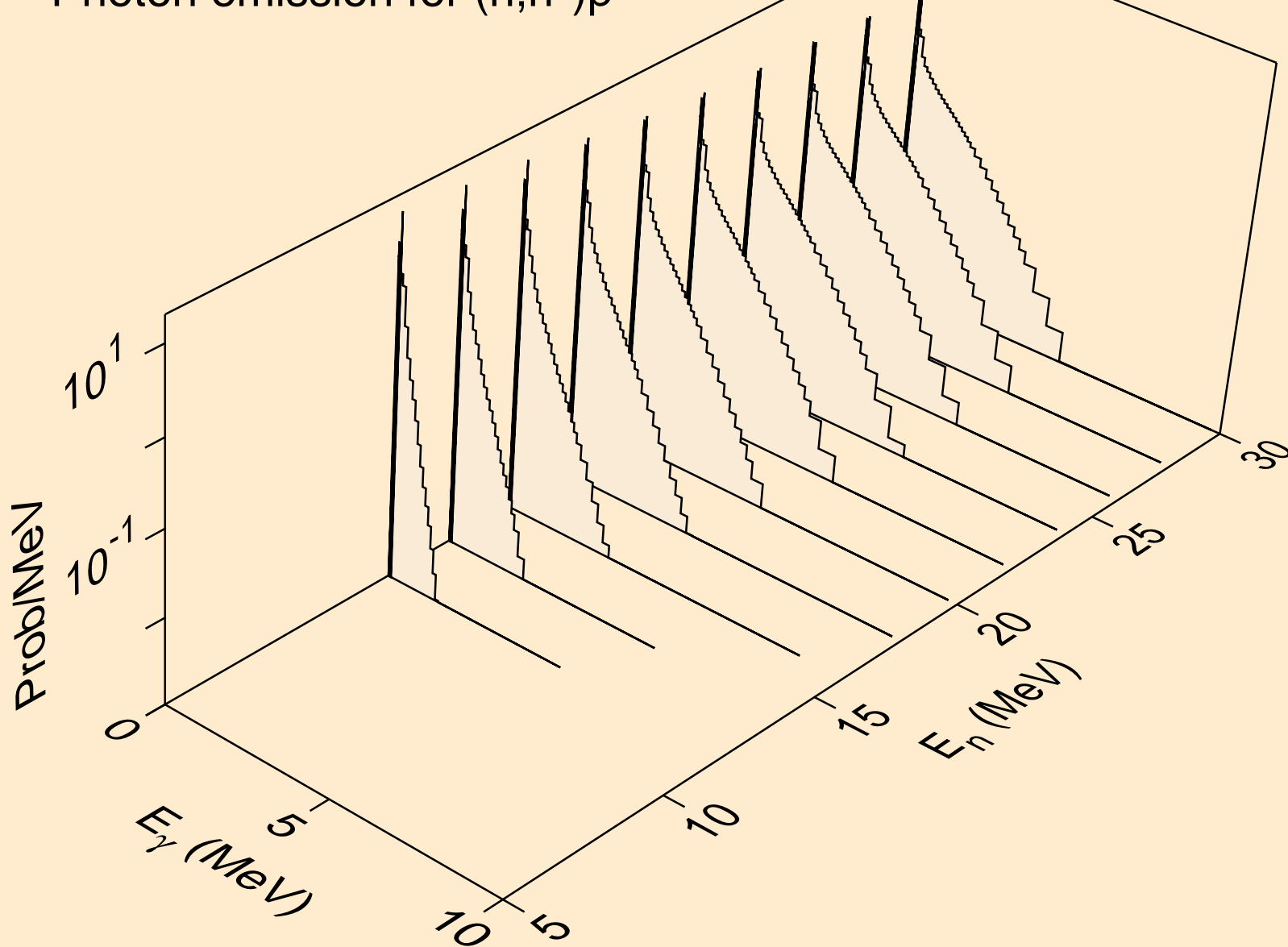
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



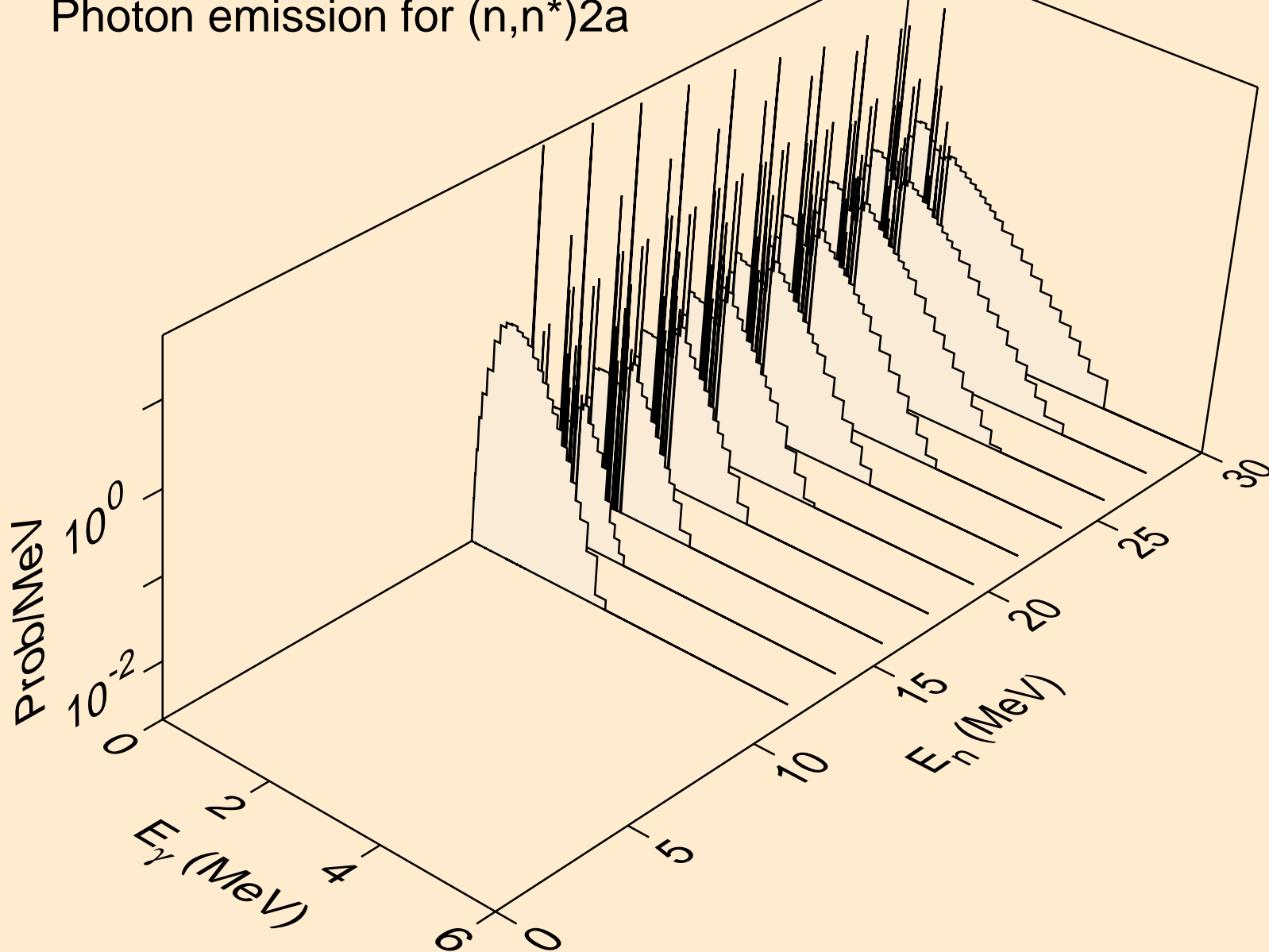
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



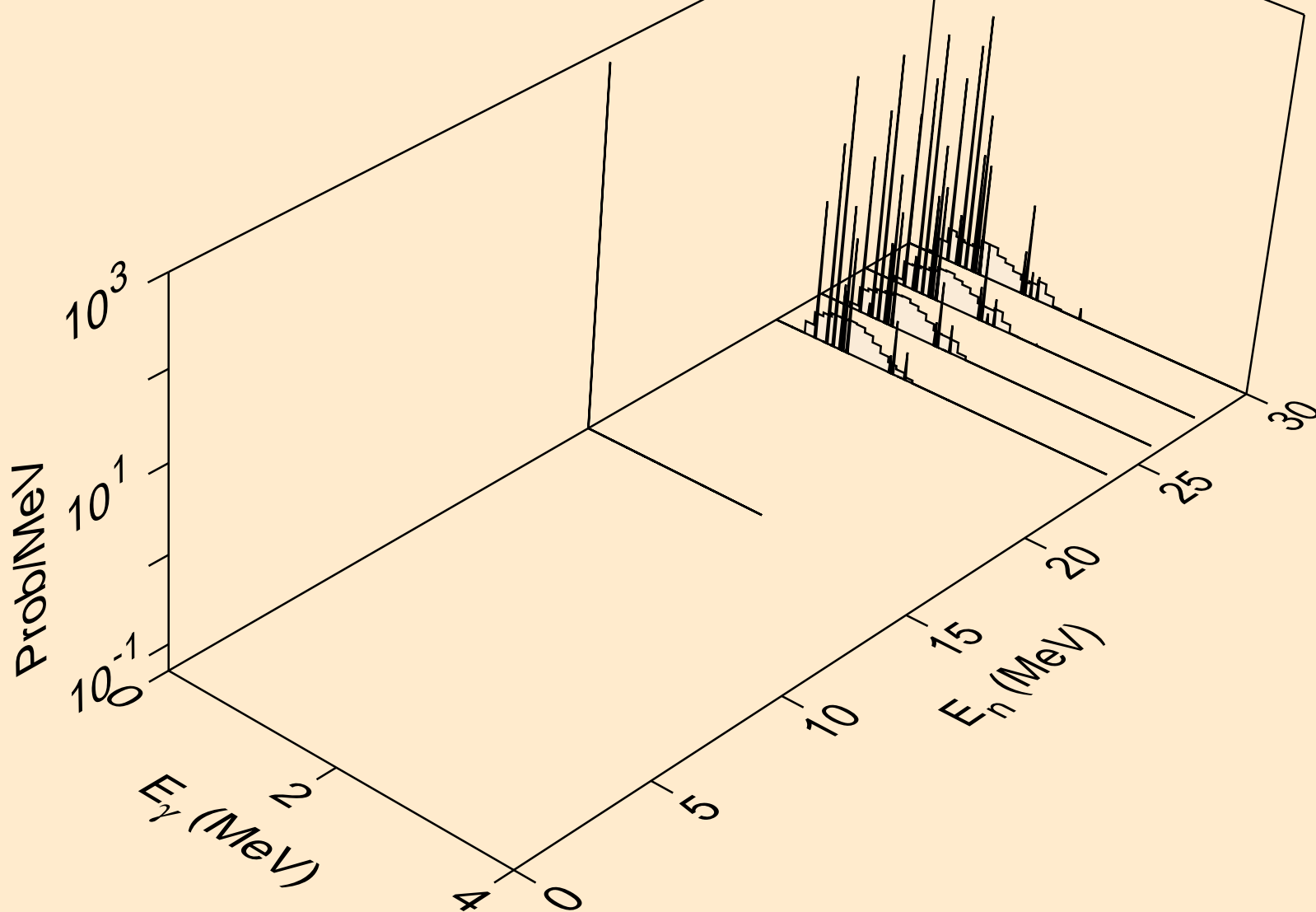
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



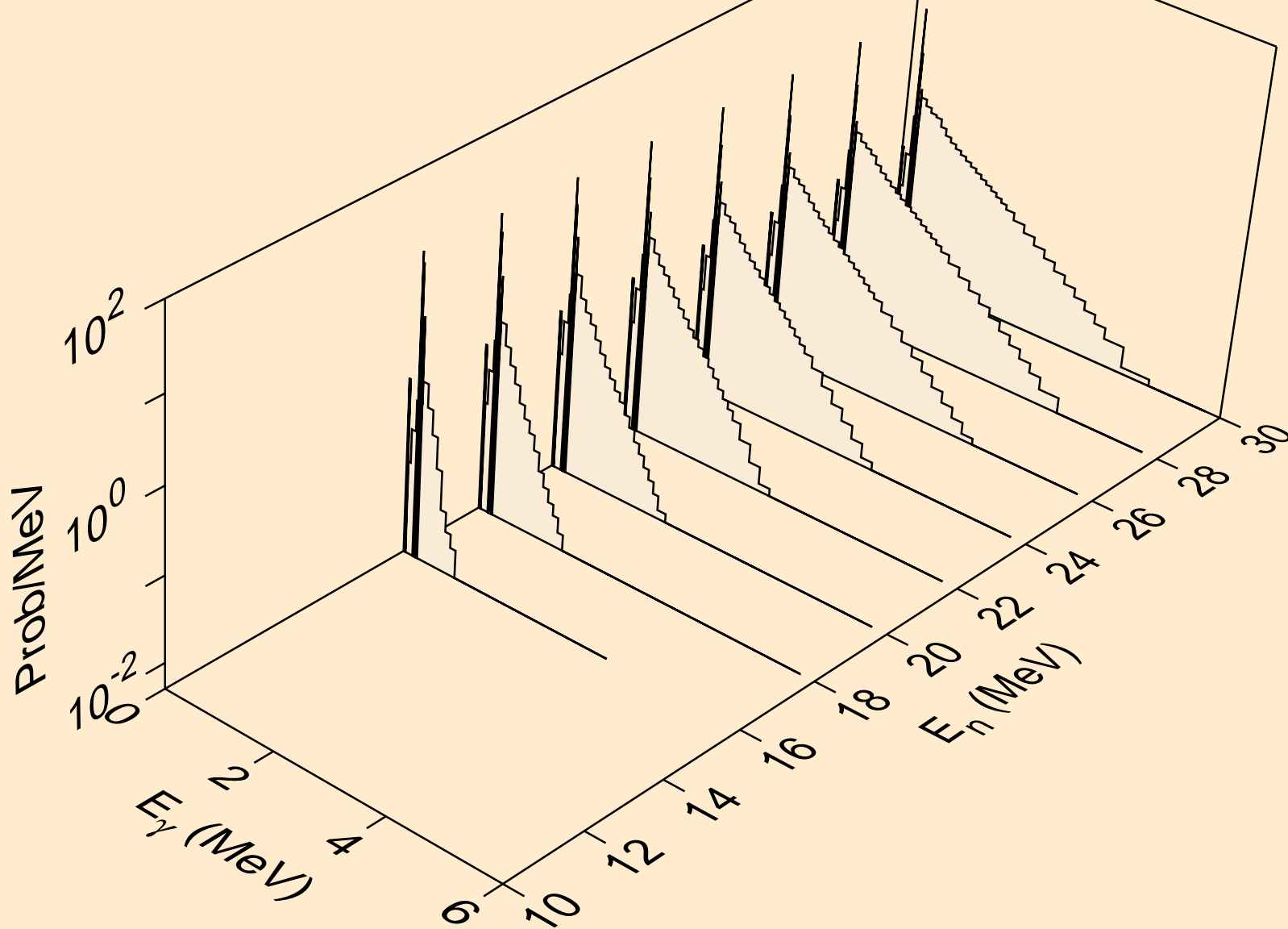
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



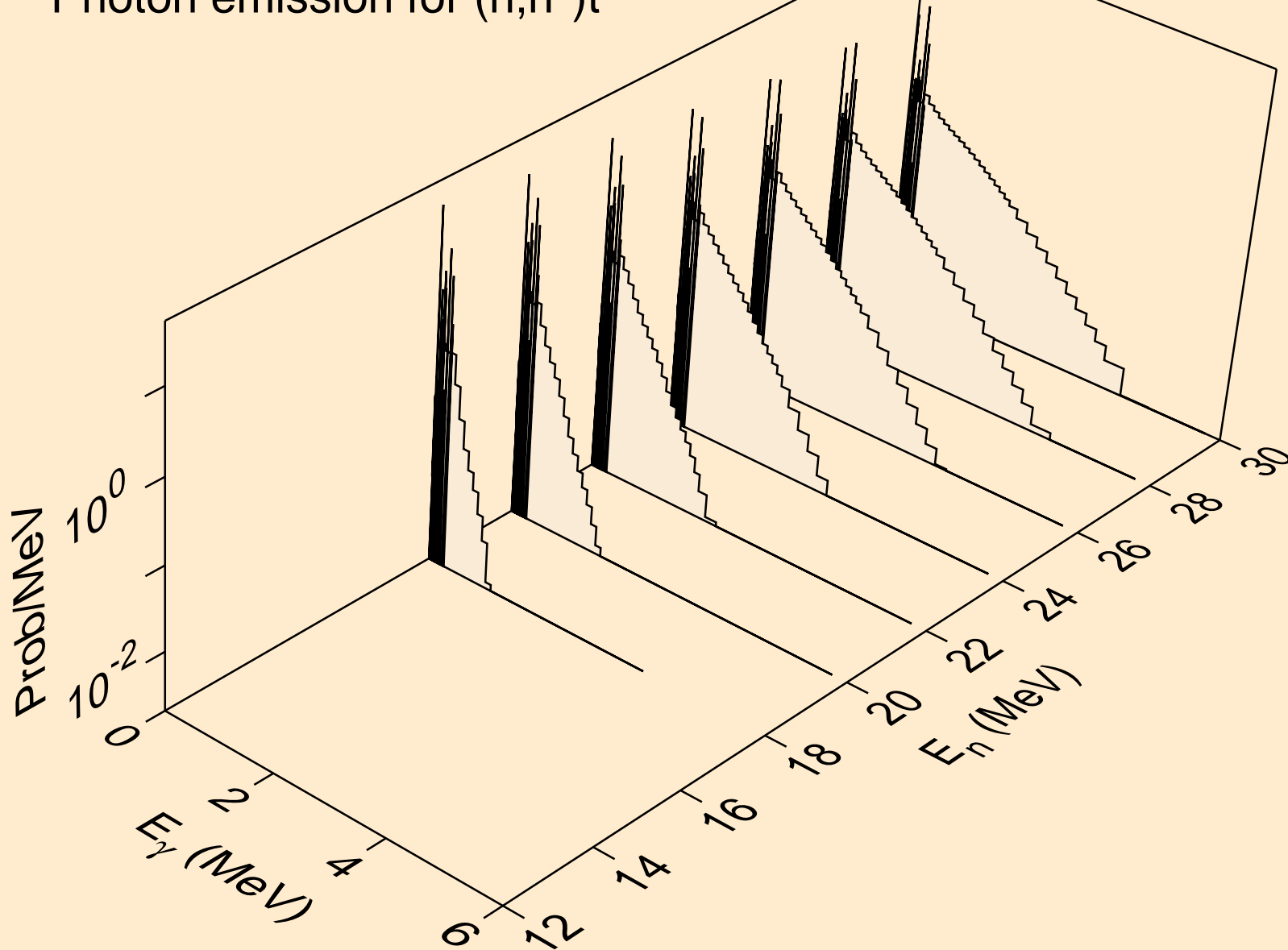
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



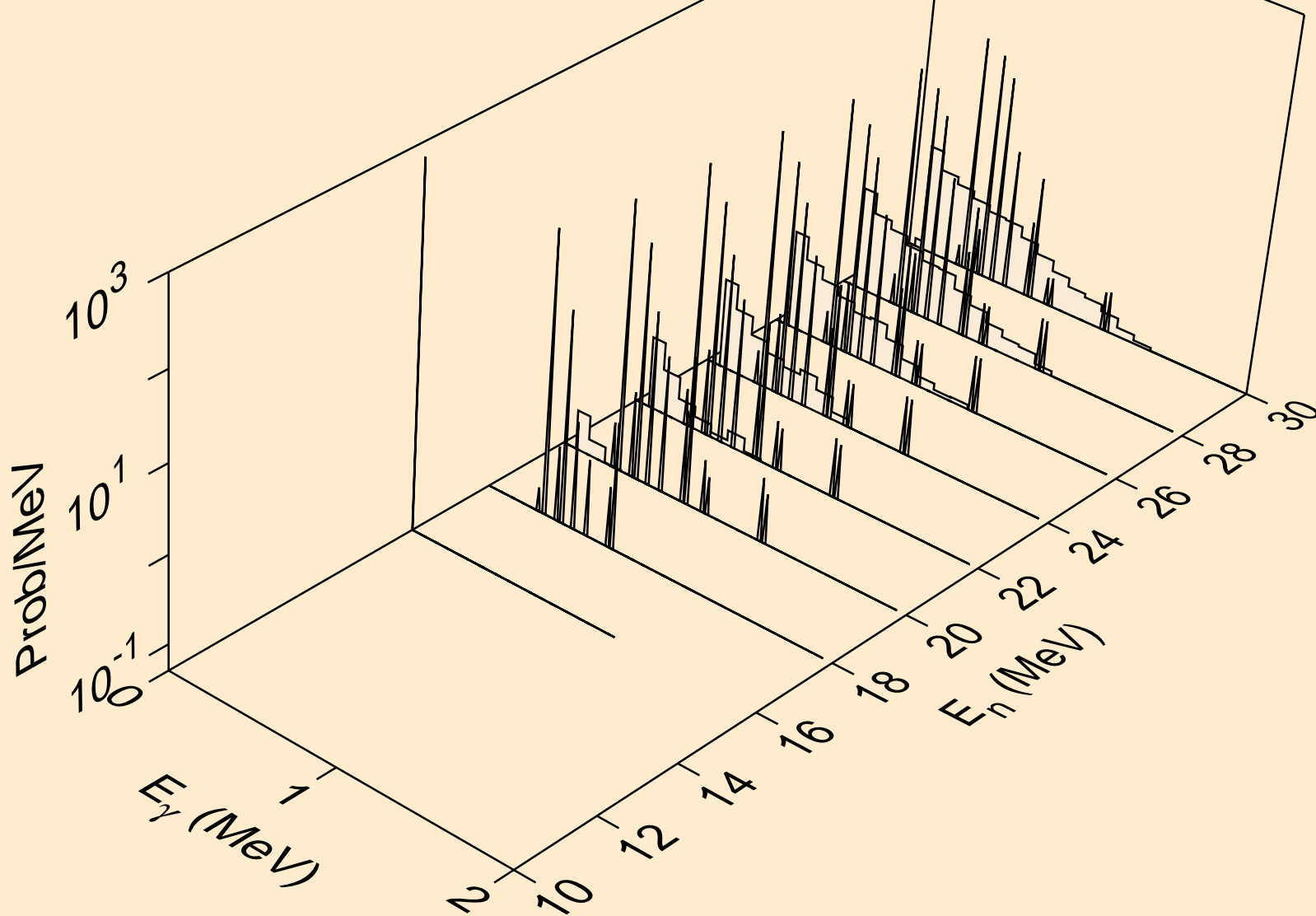
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



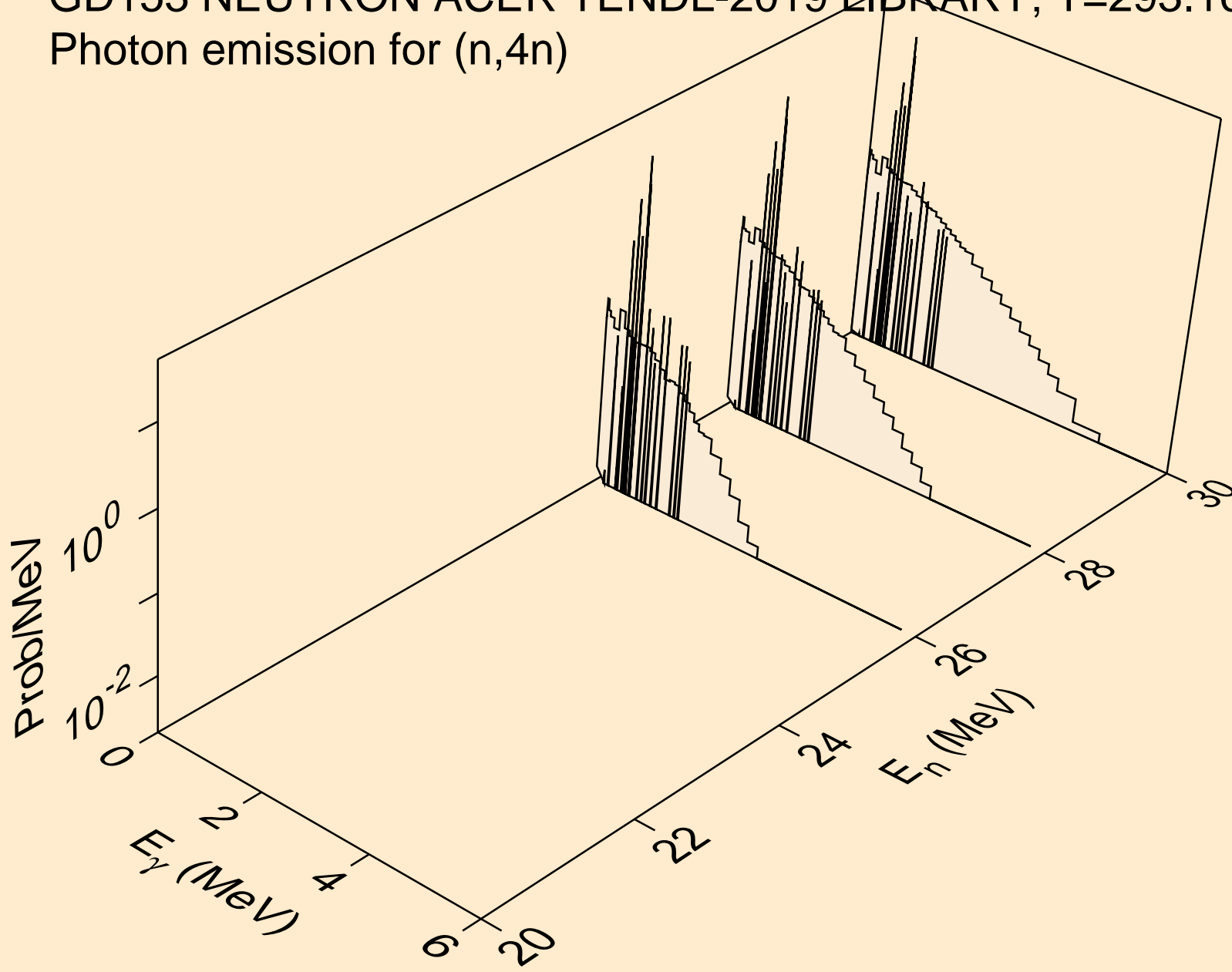
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



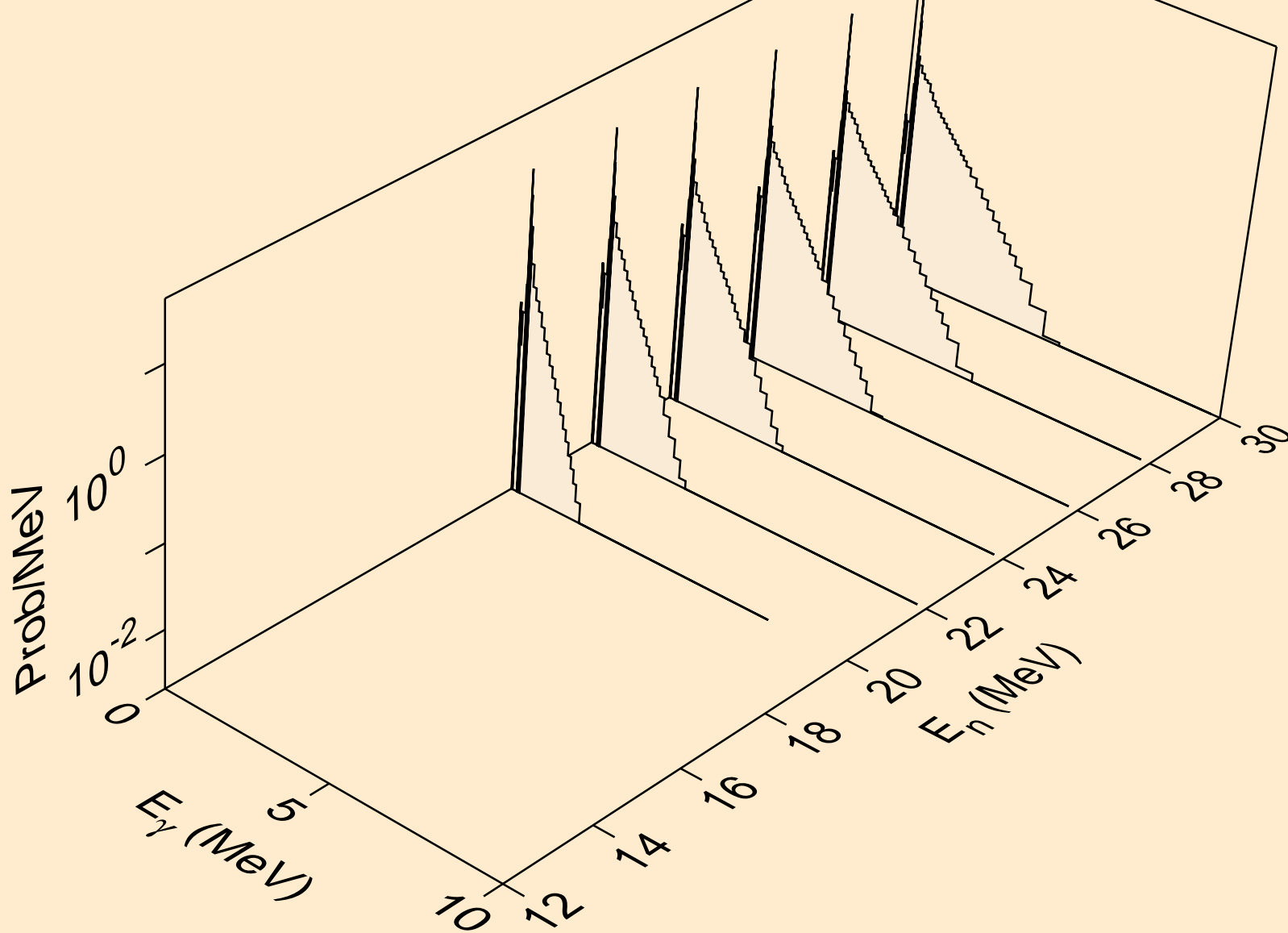
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



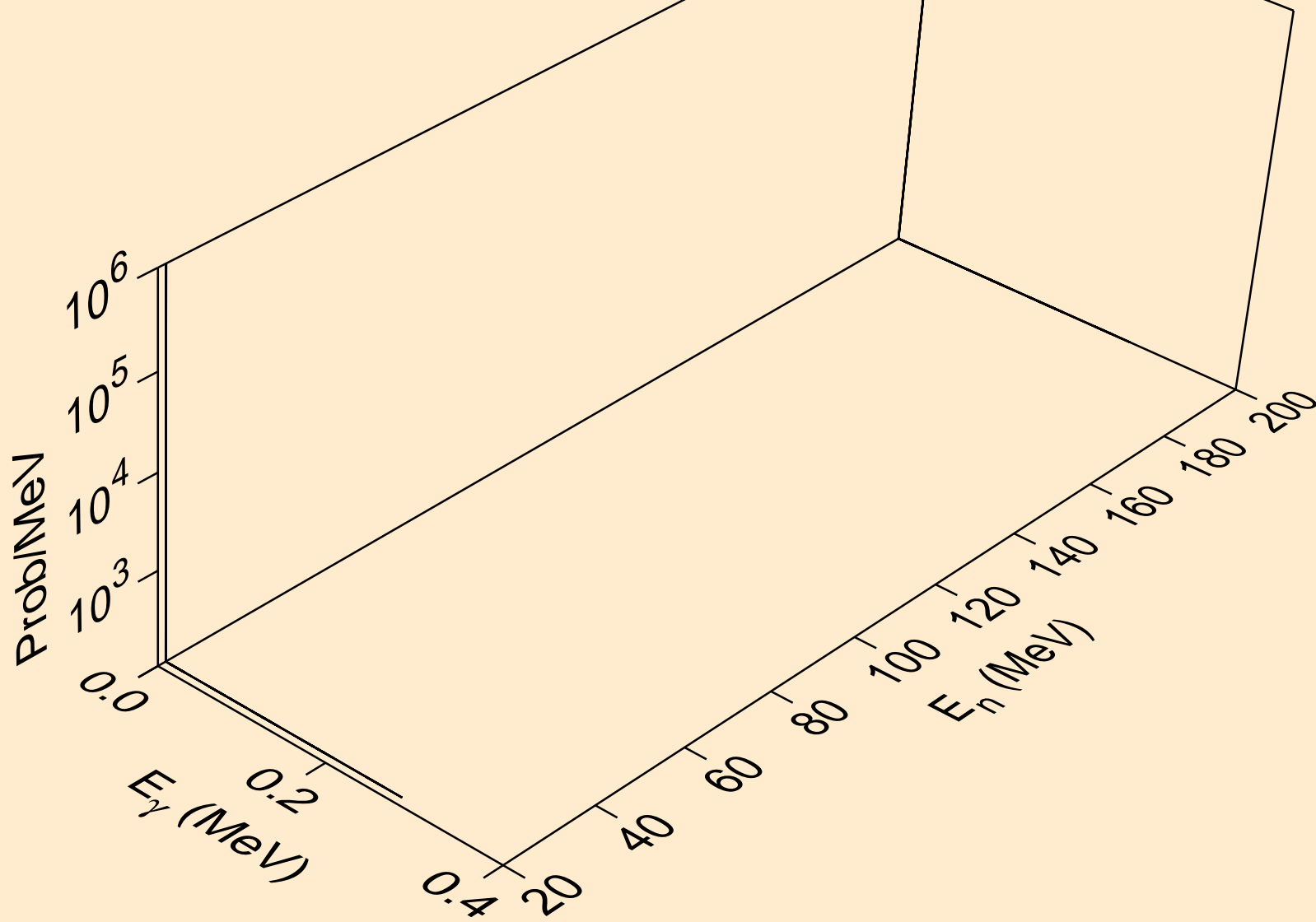
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



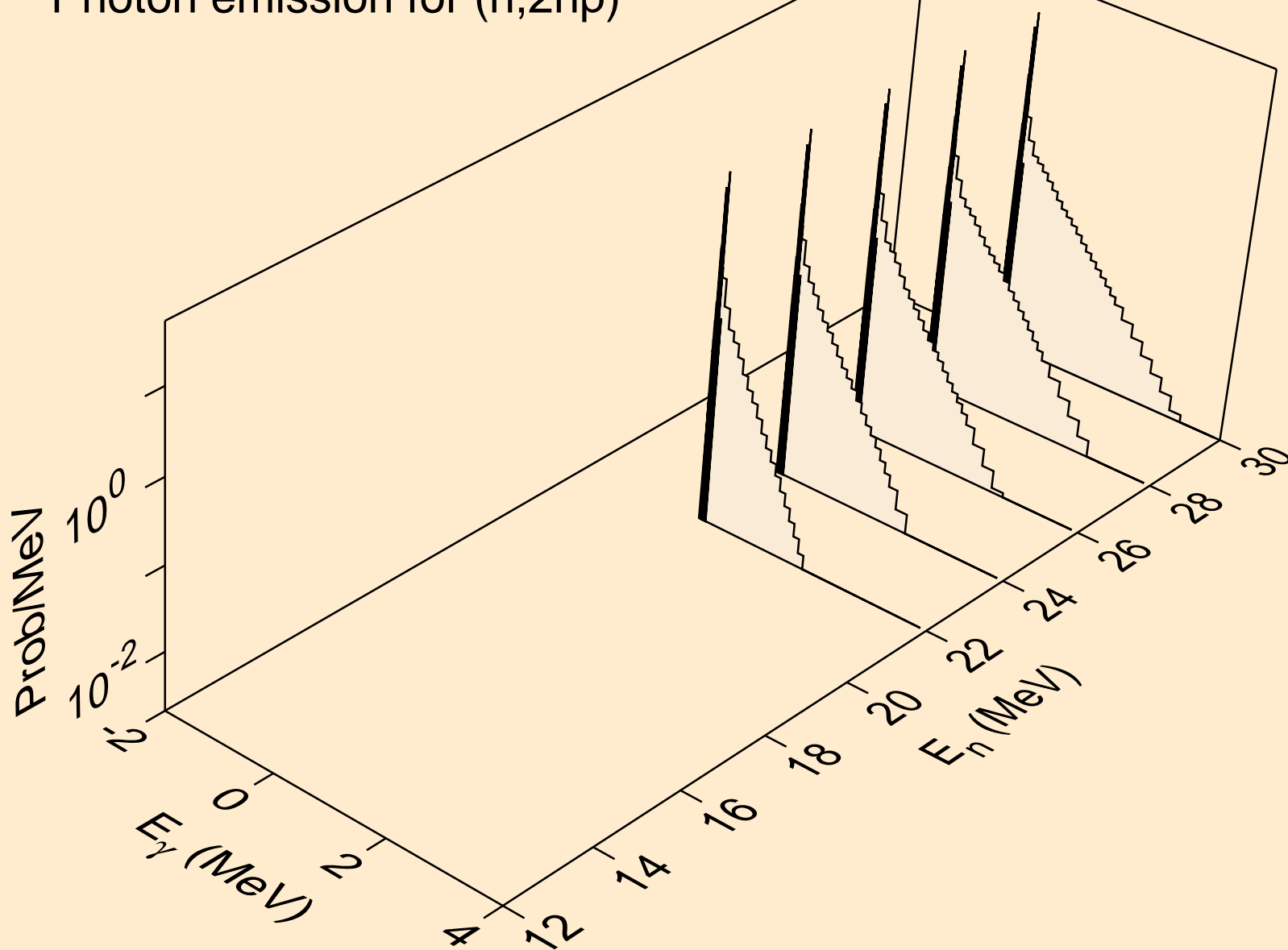
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



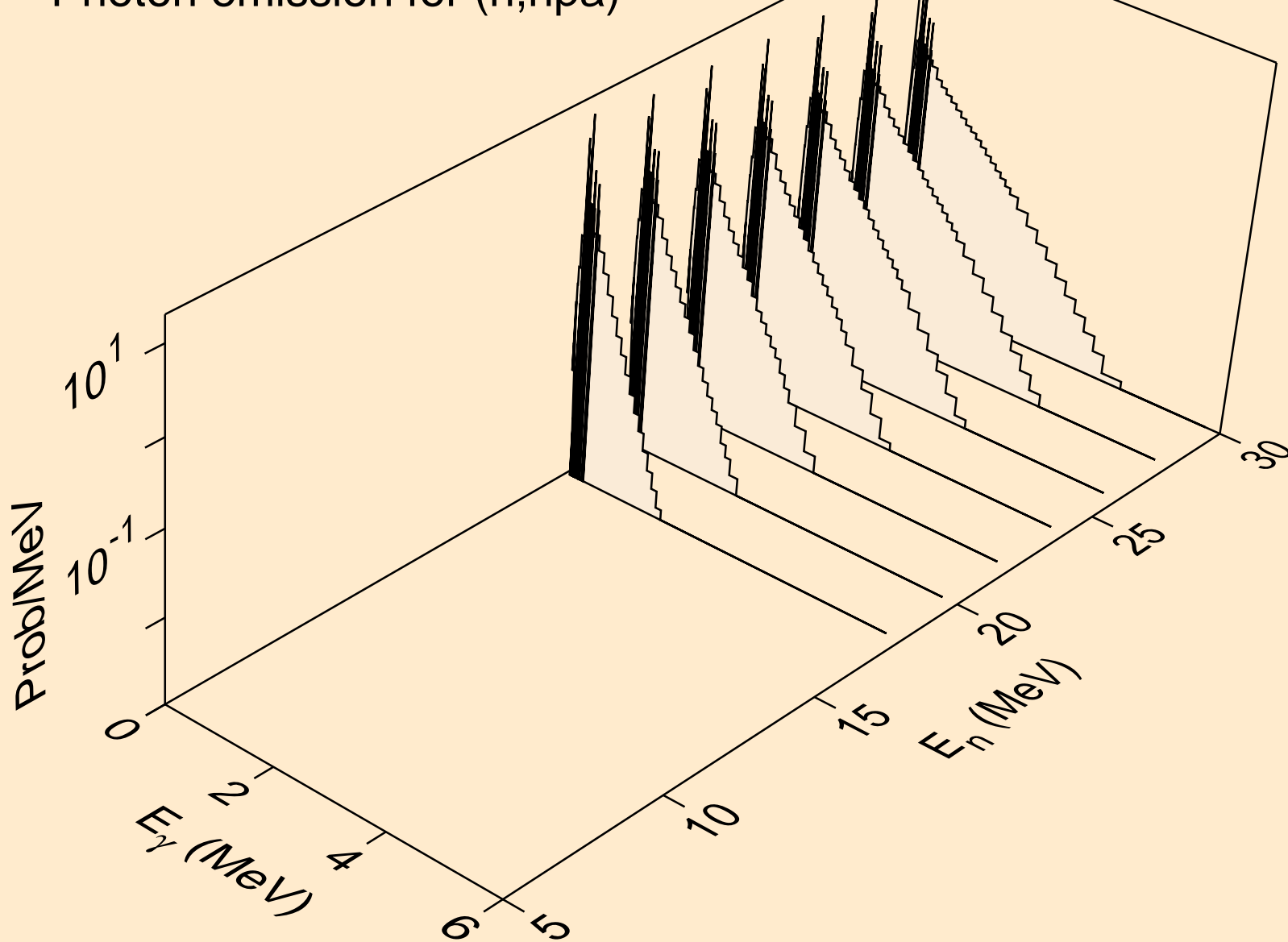
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



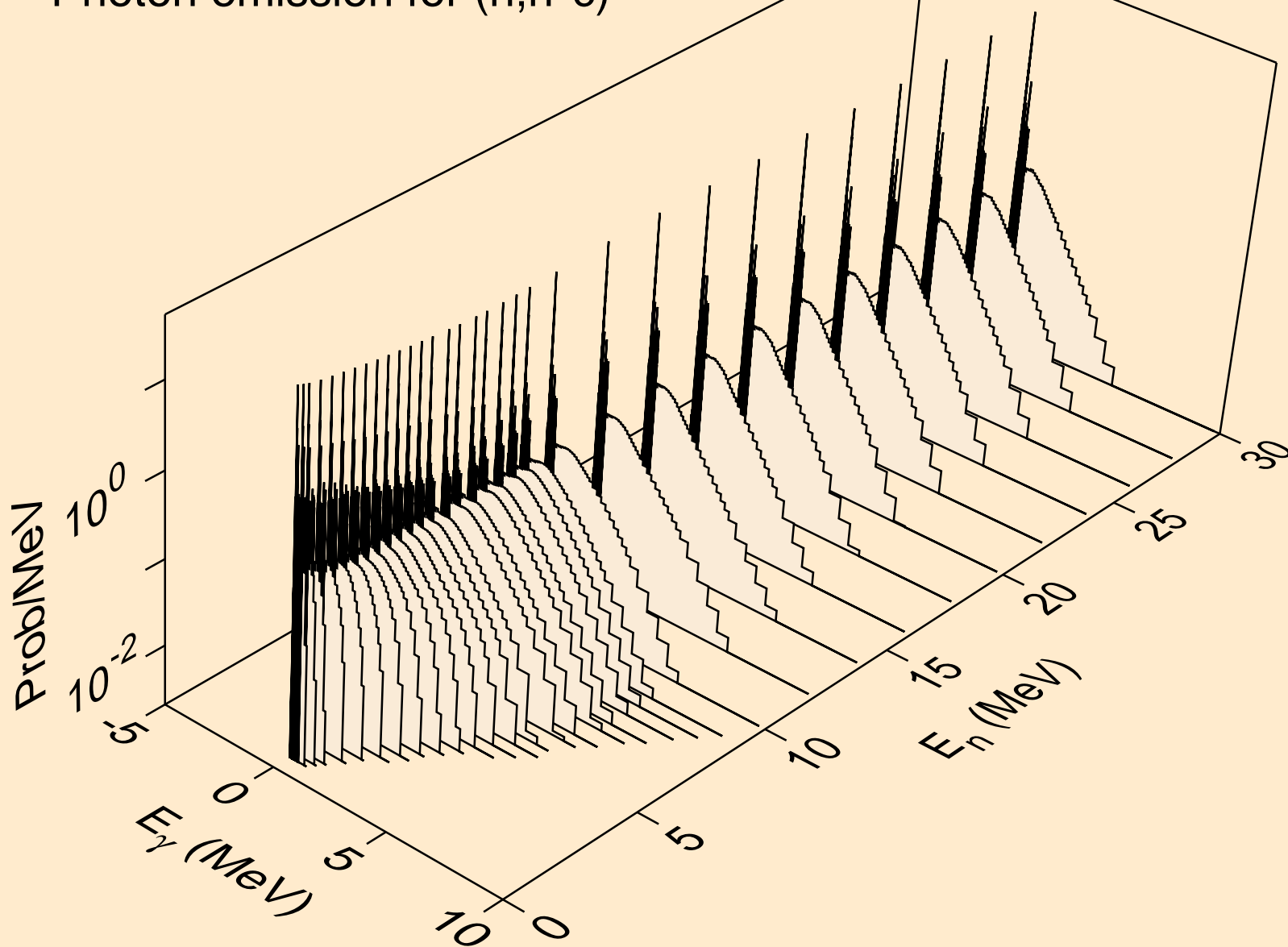
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



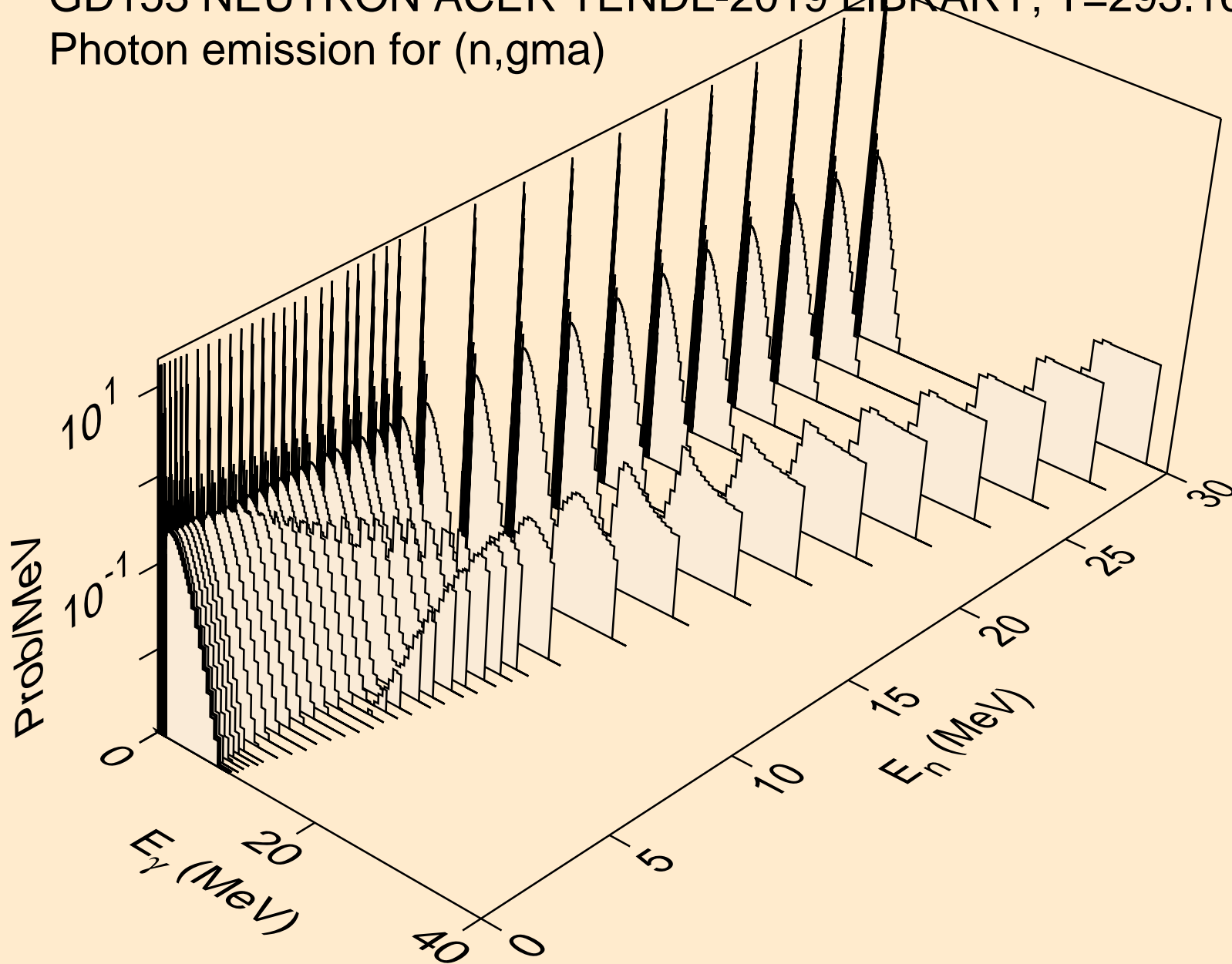
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



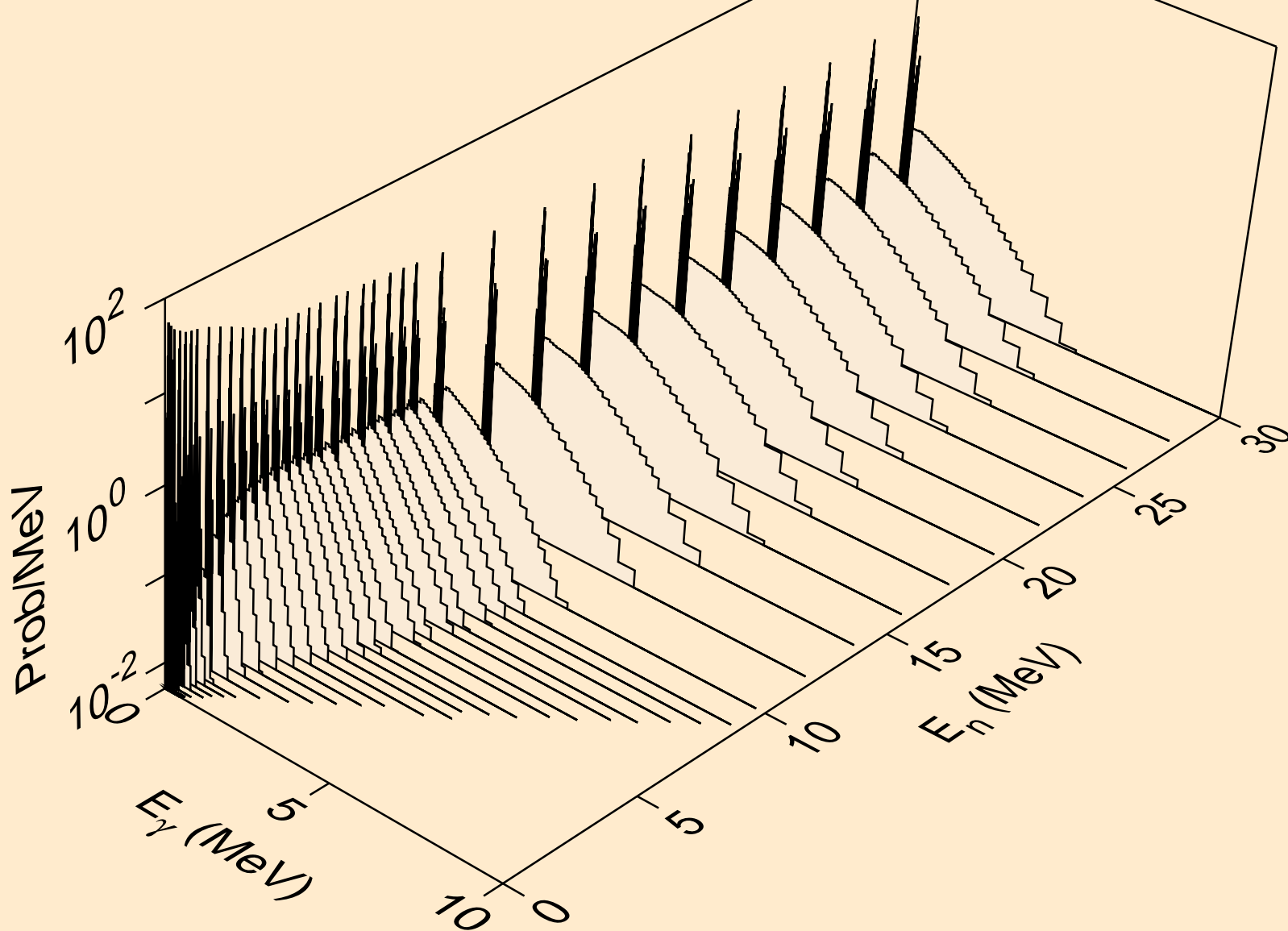
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



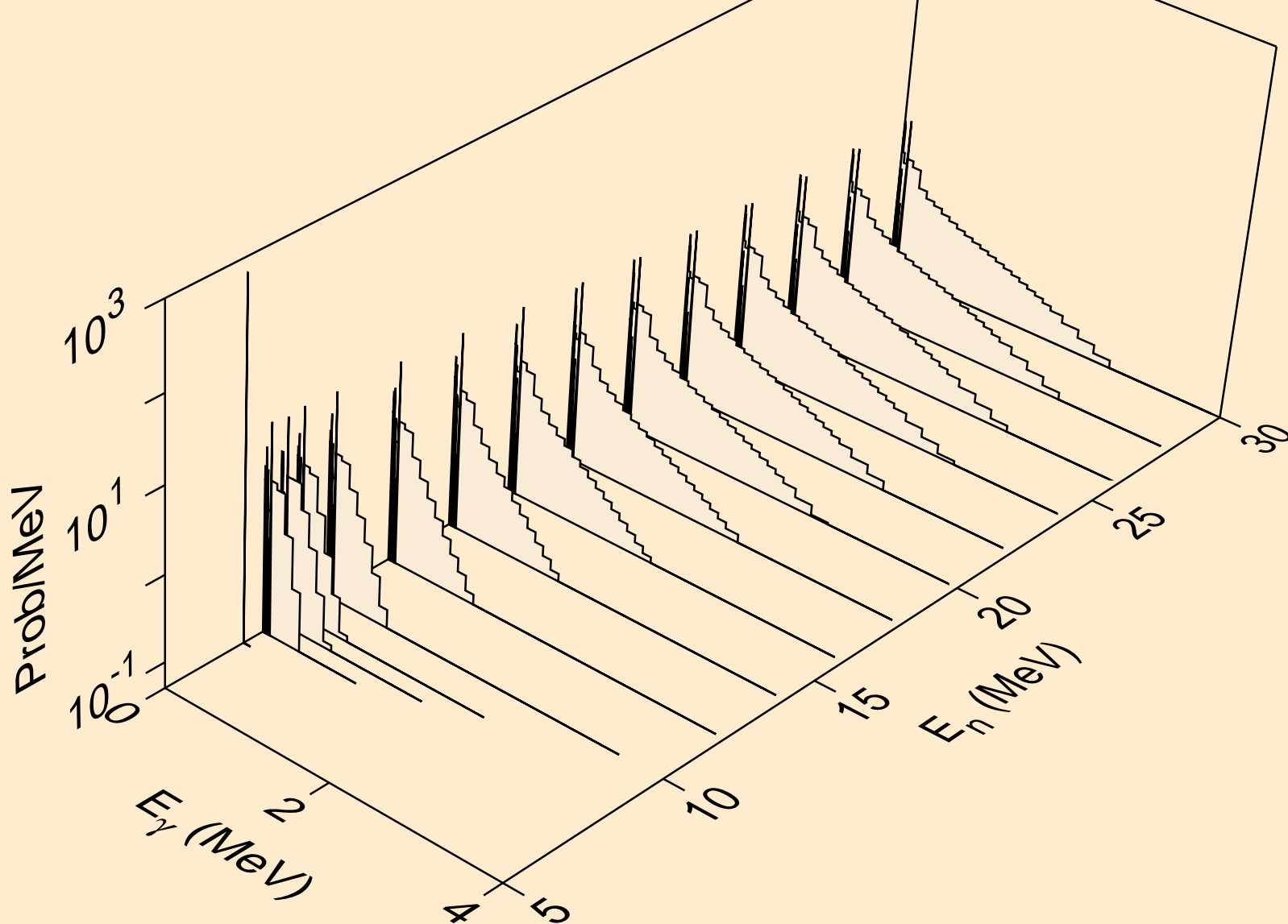
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



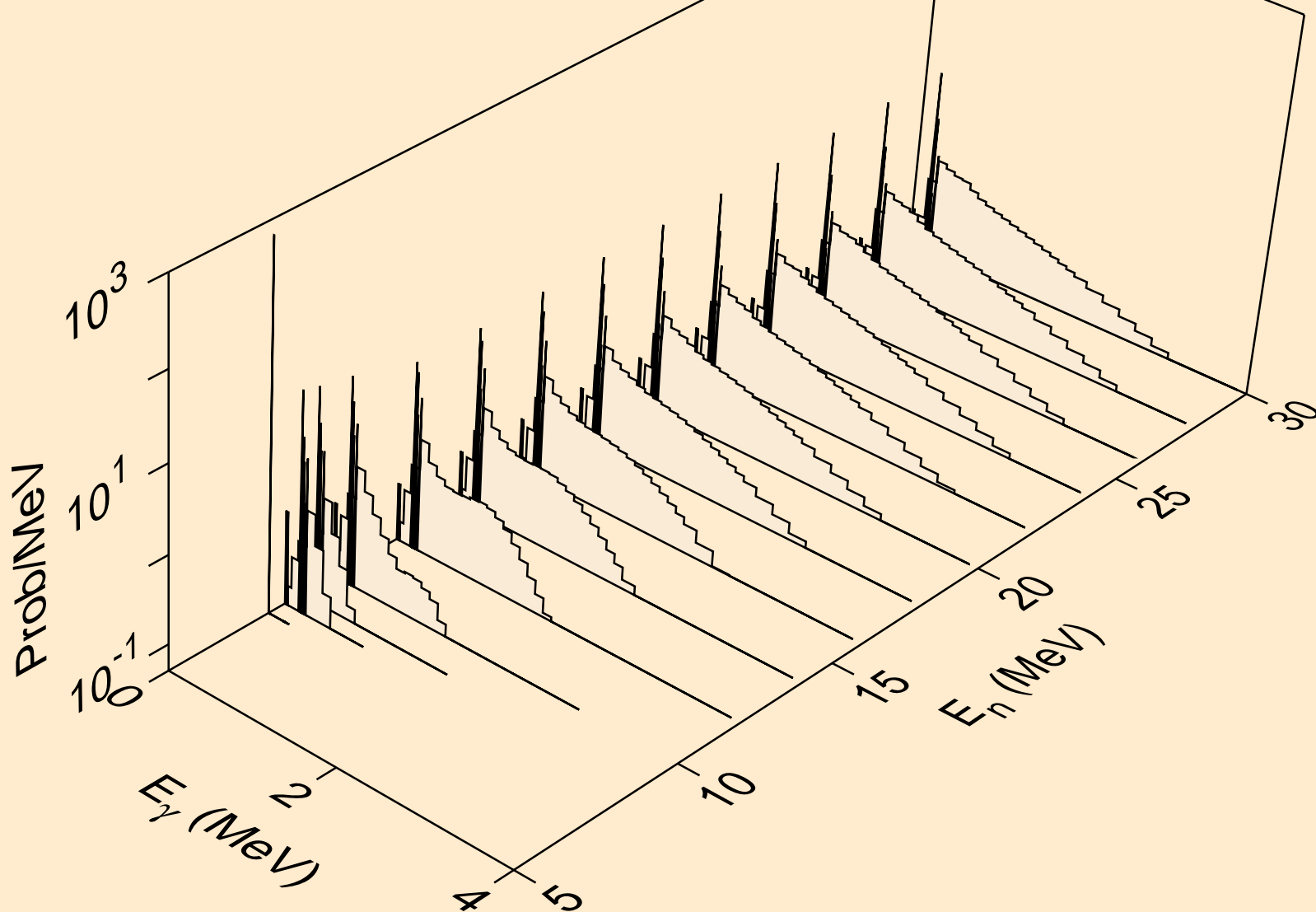
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



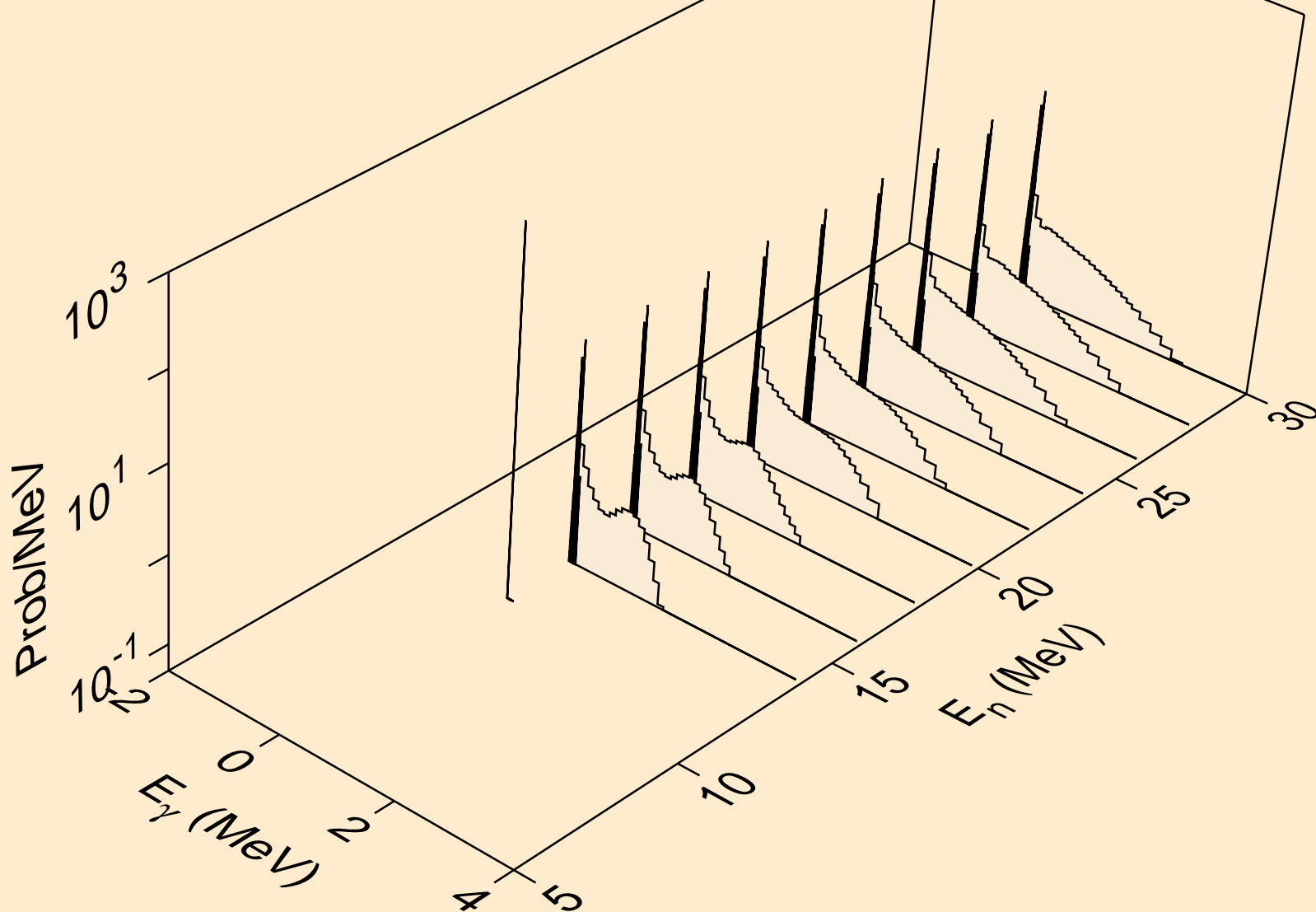
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



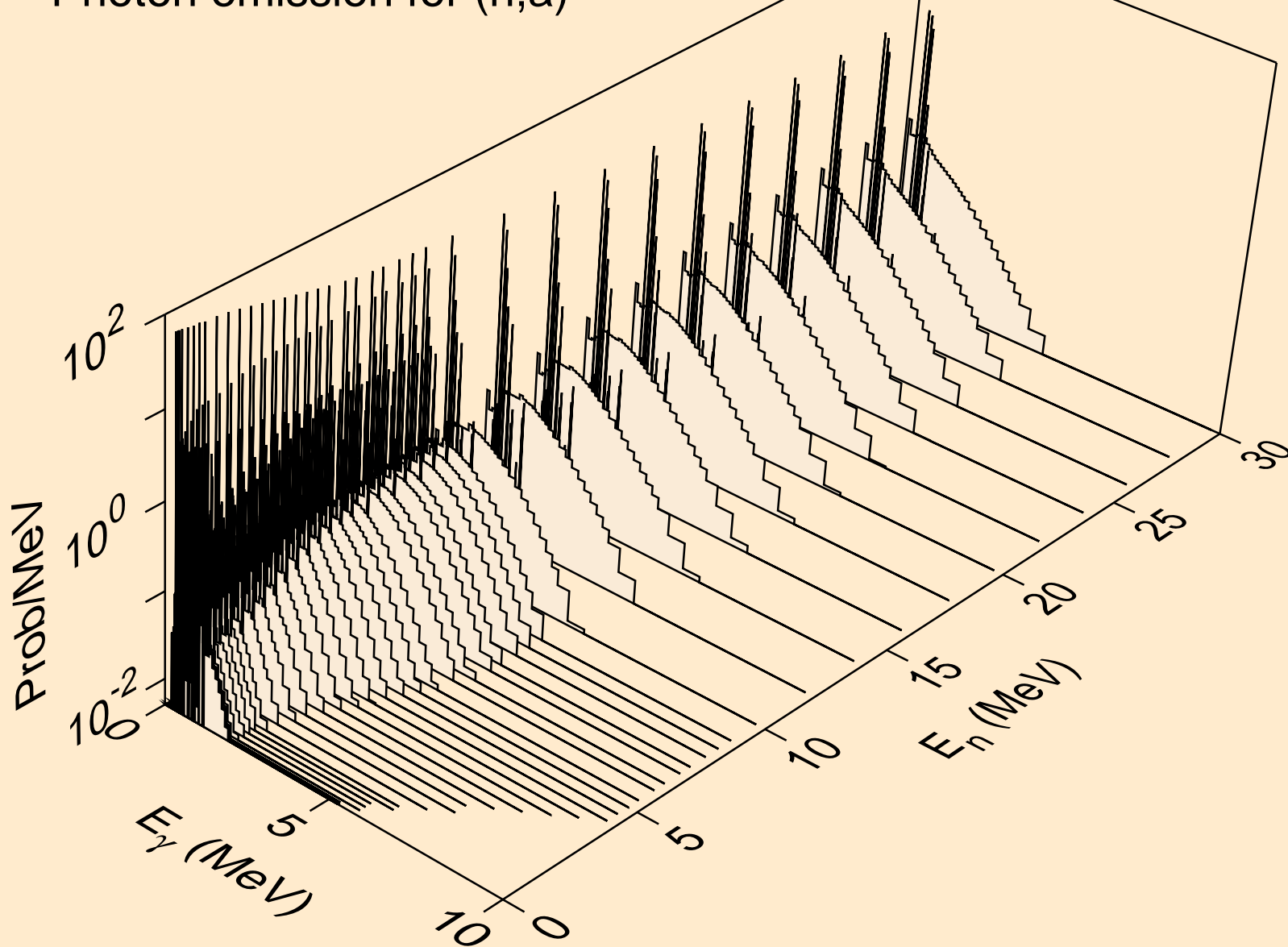
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



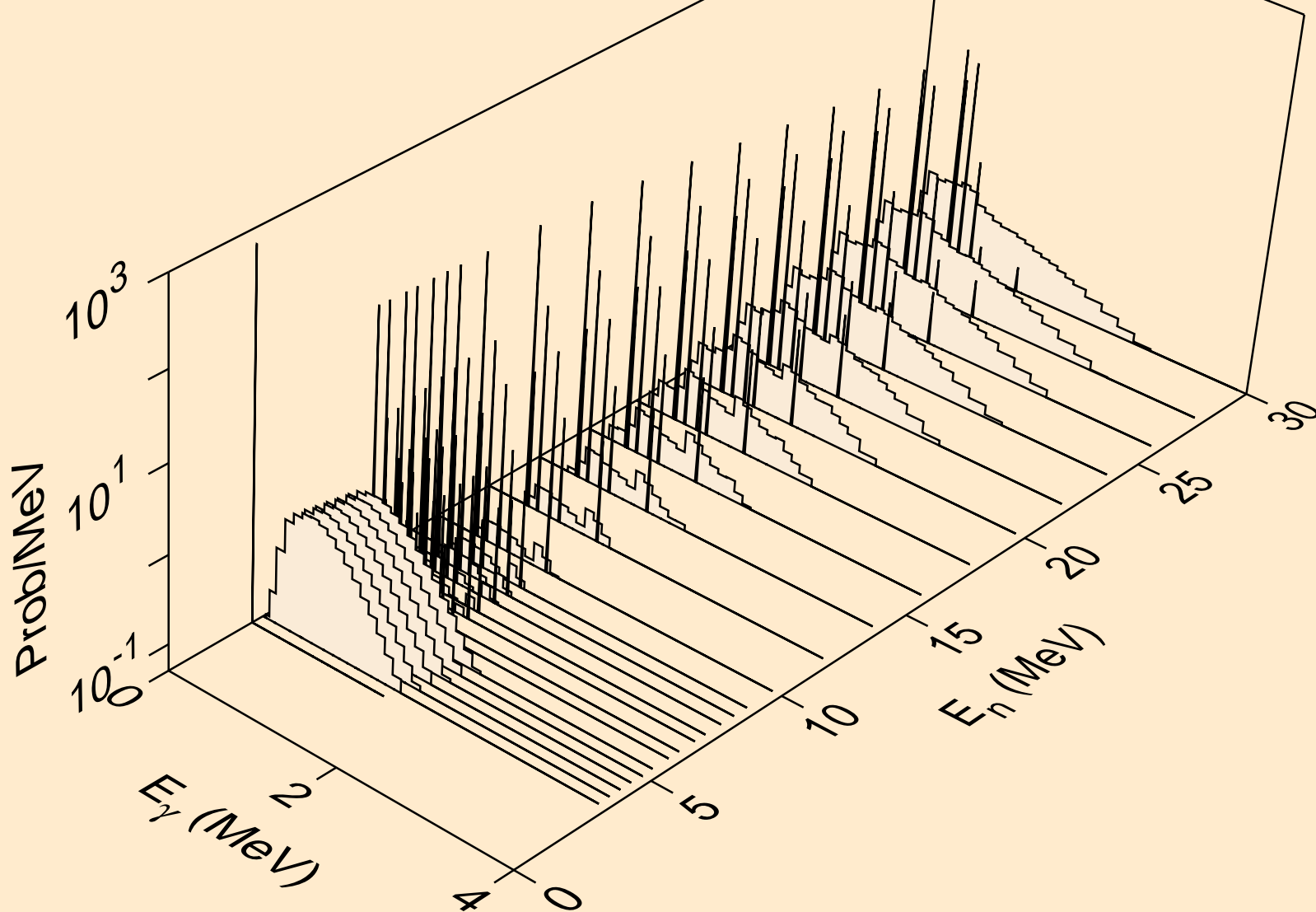
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



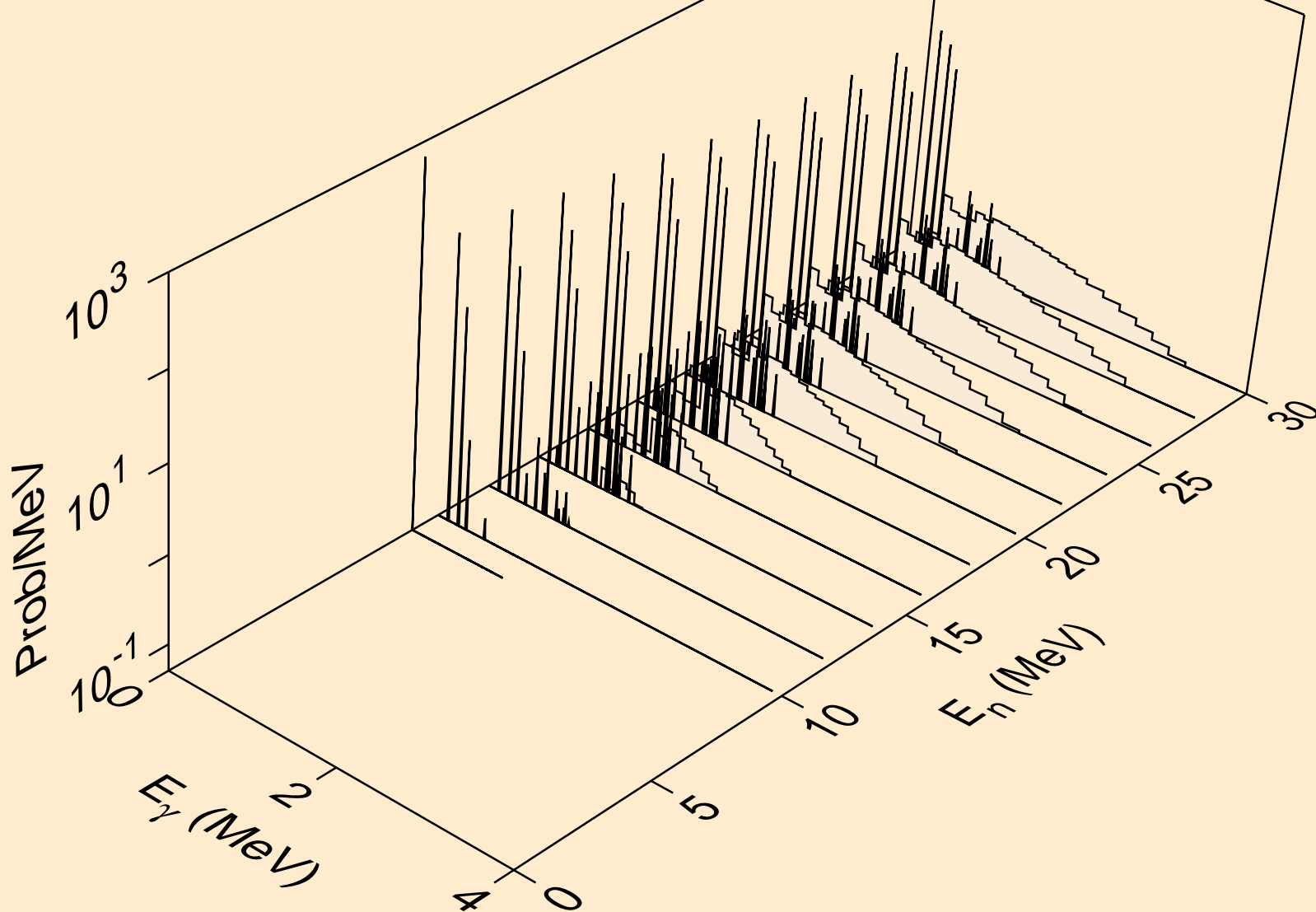
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



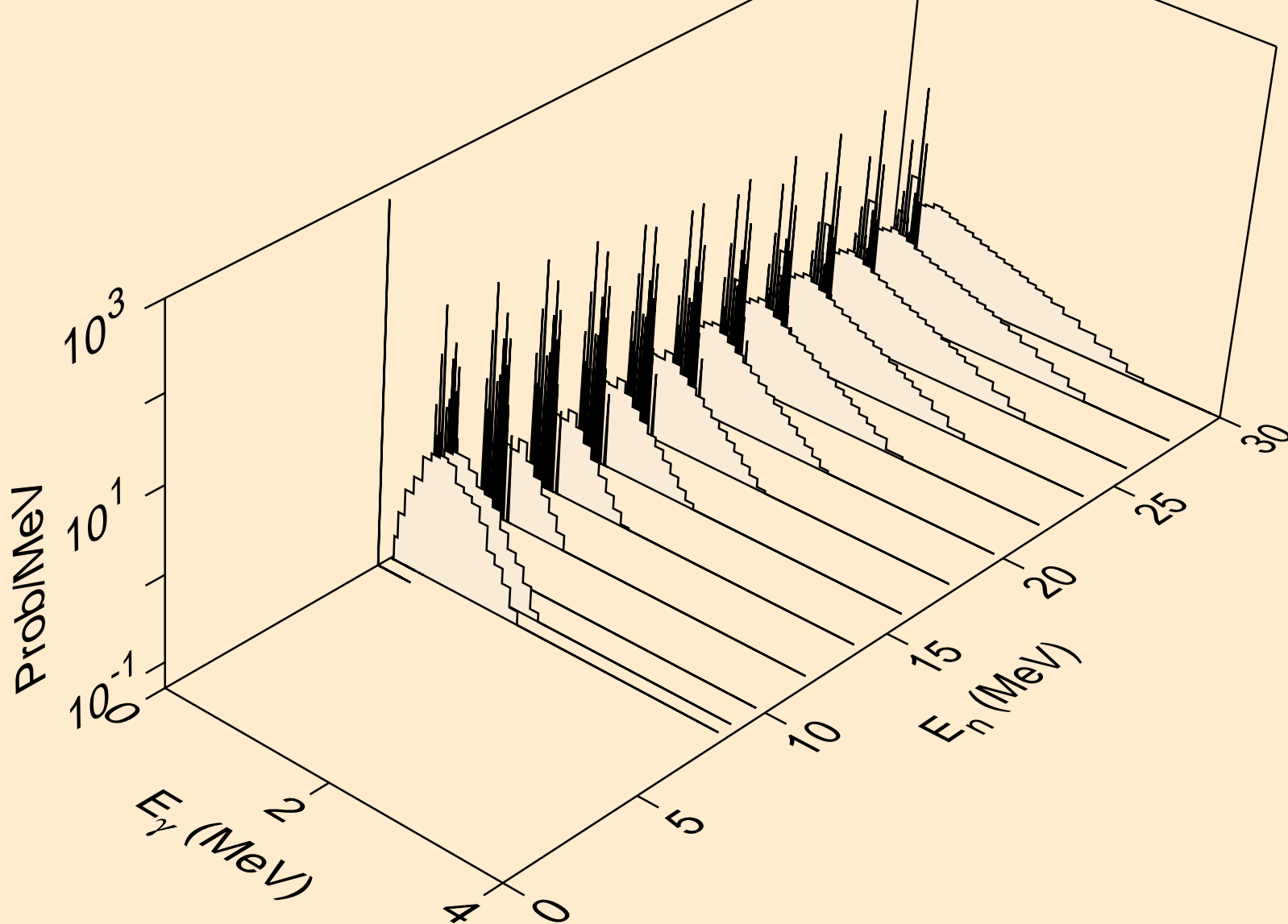
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



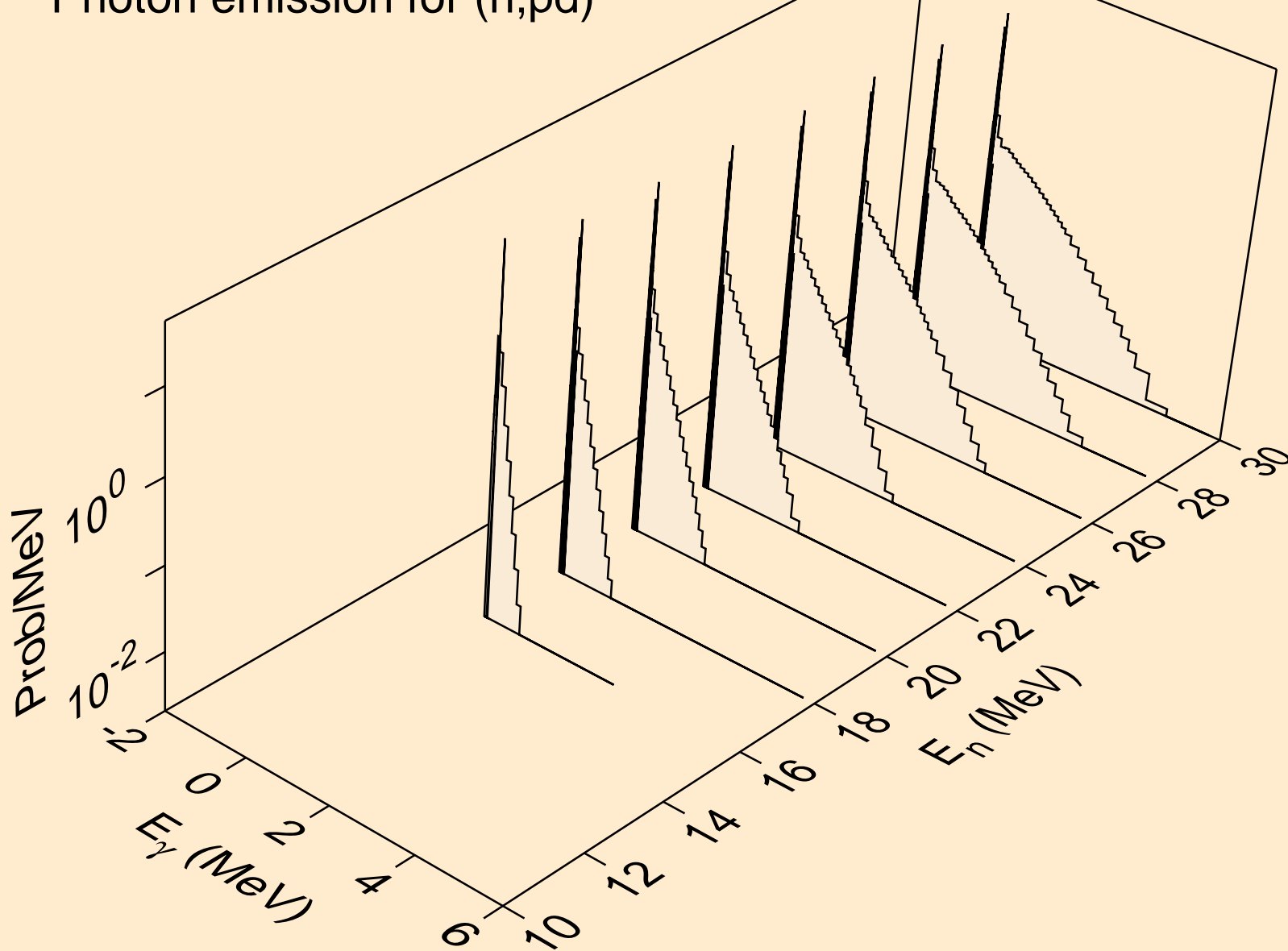
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



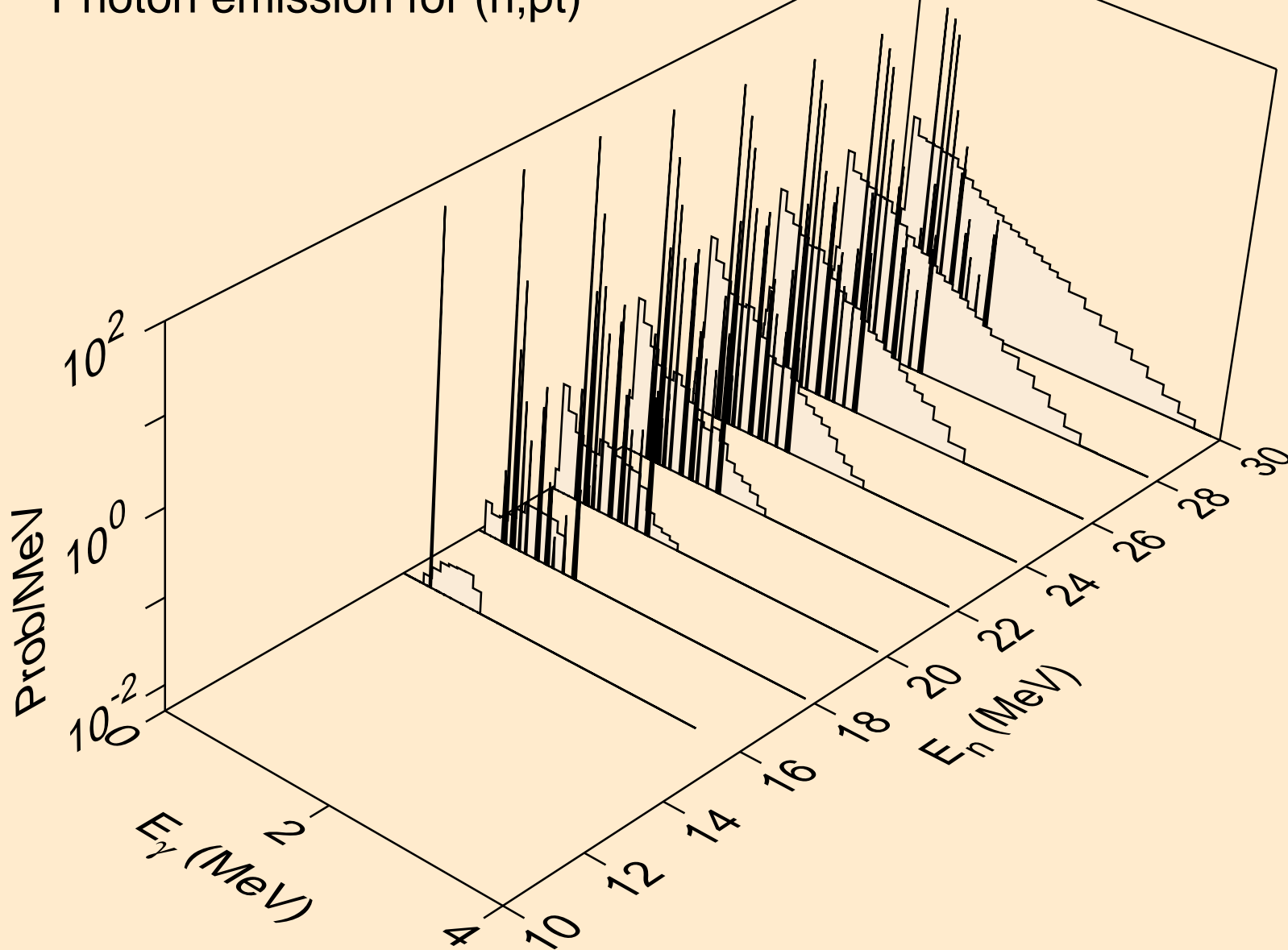
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



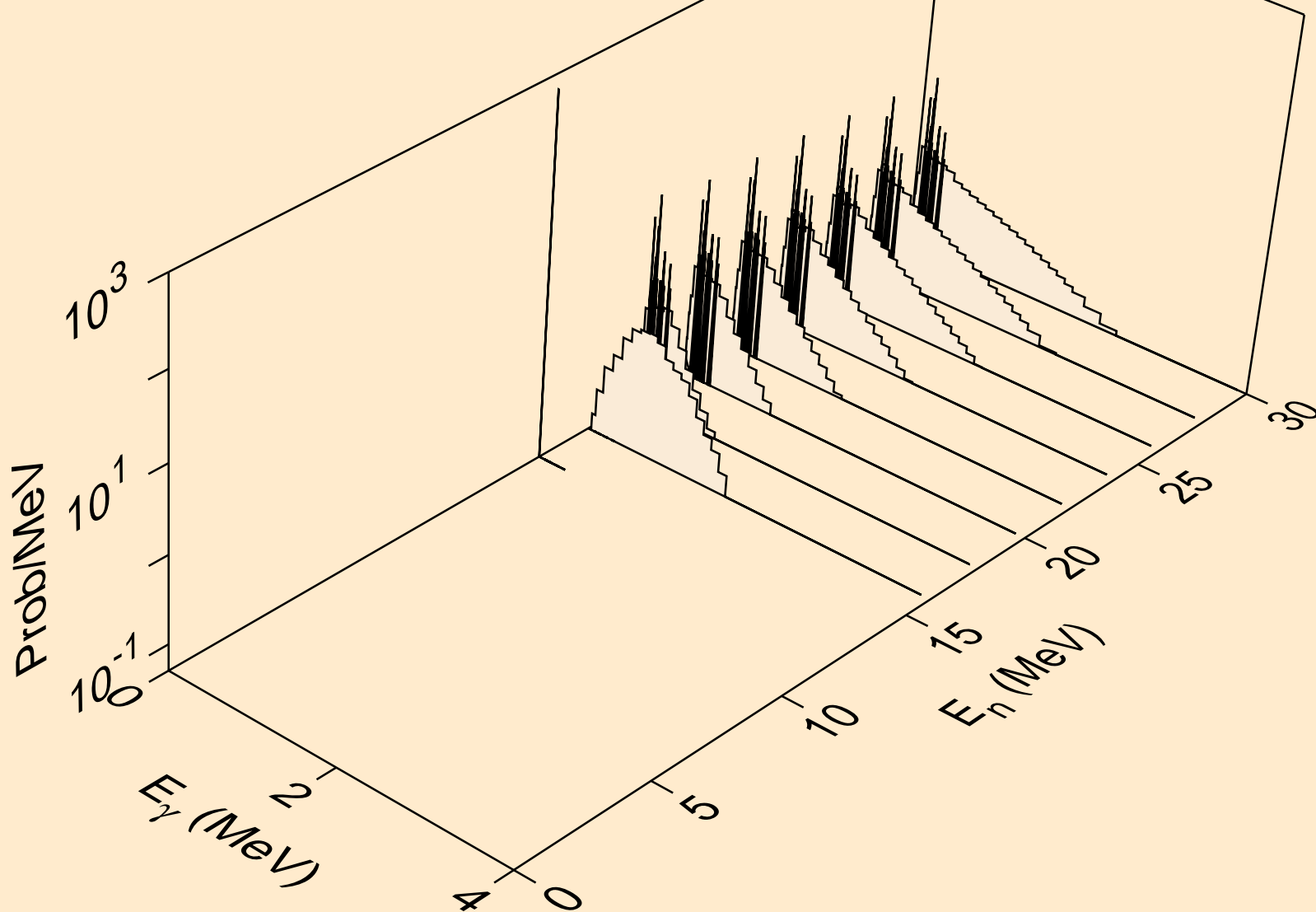
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



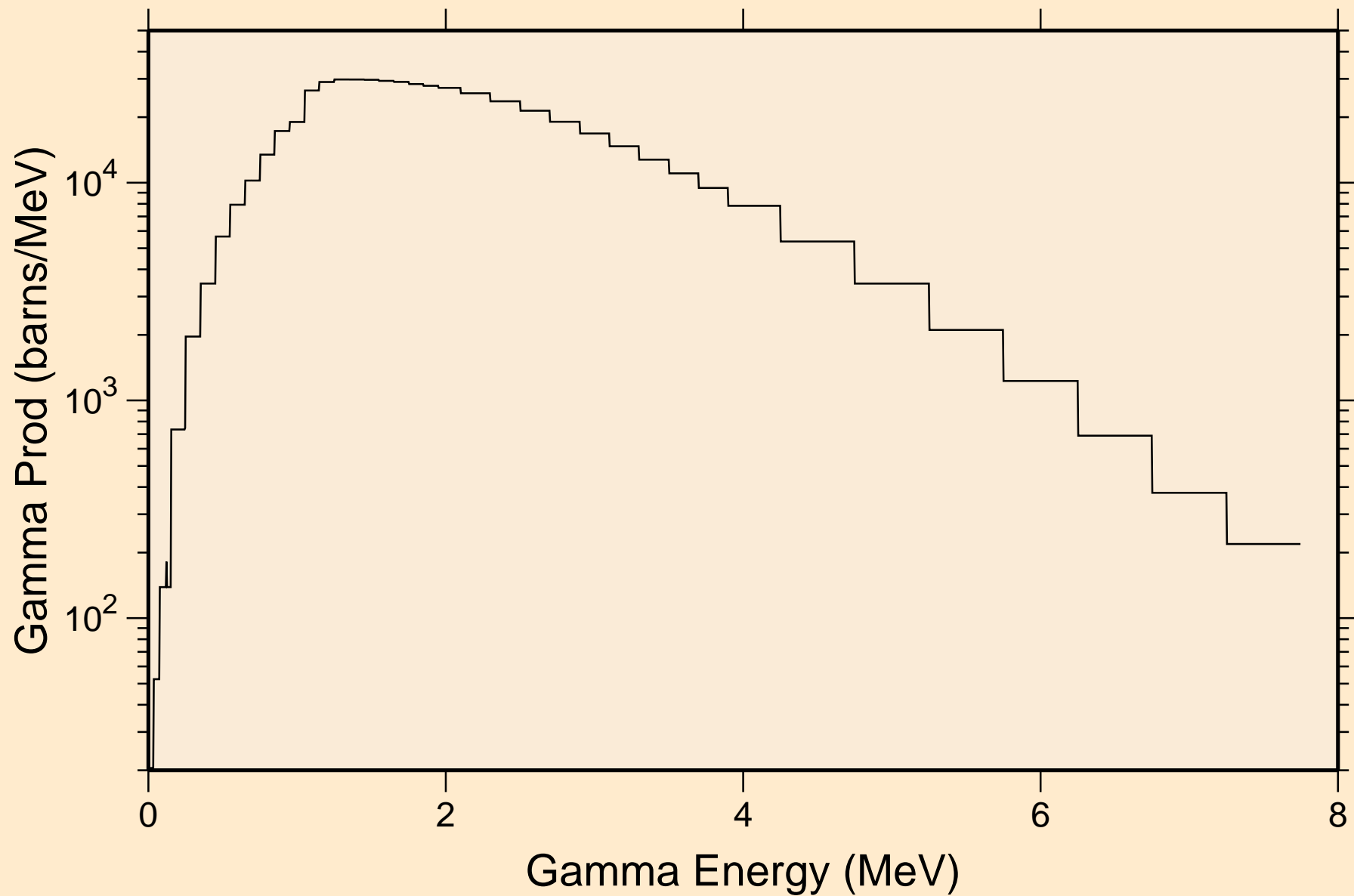
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



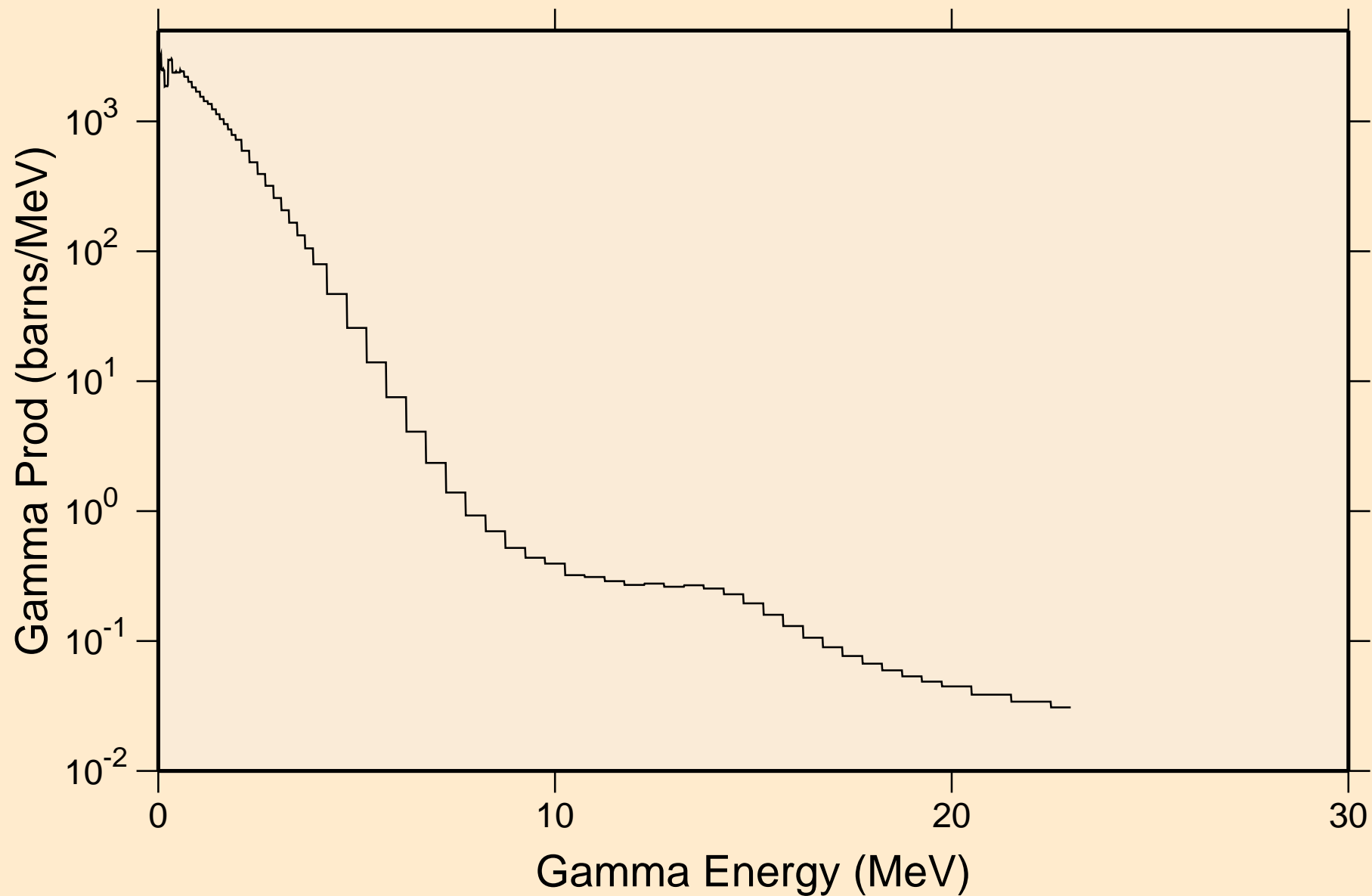
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

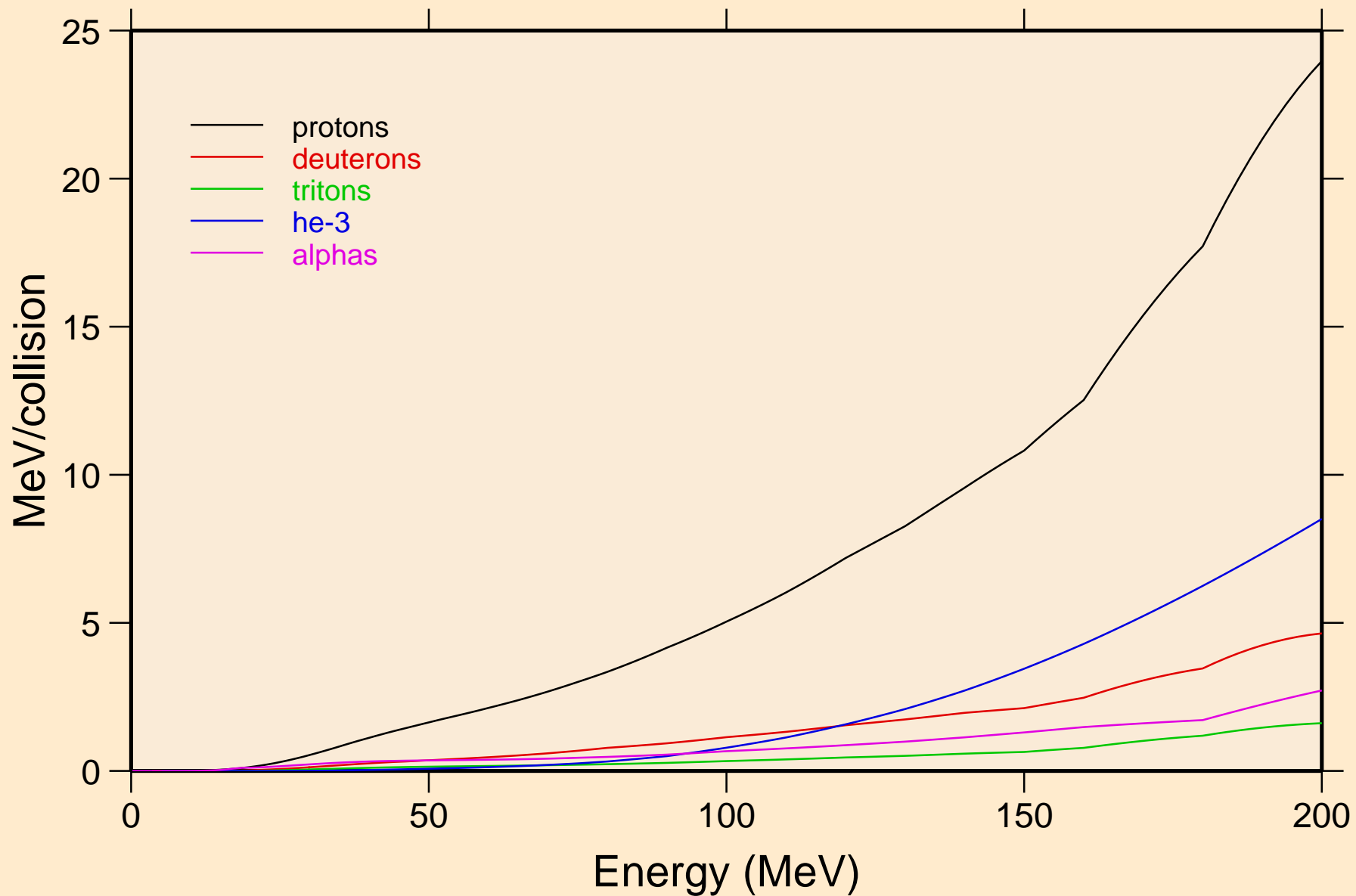


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



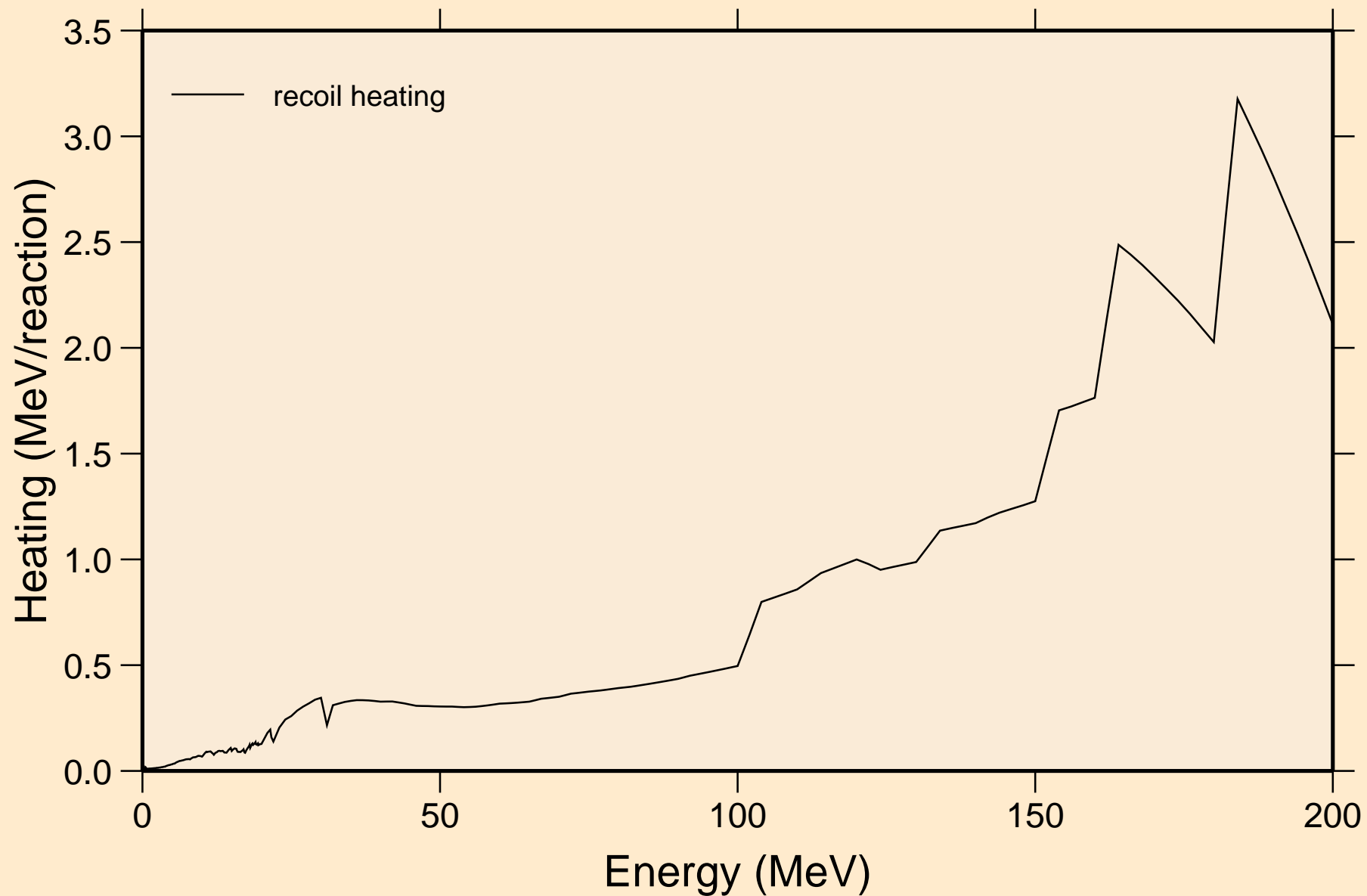
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions



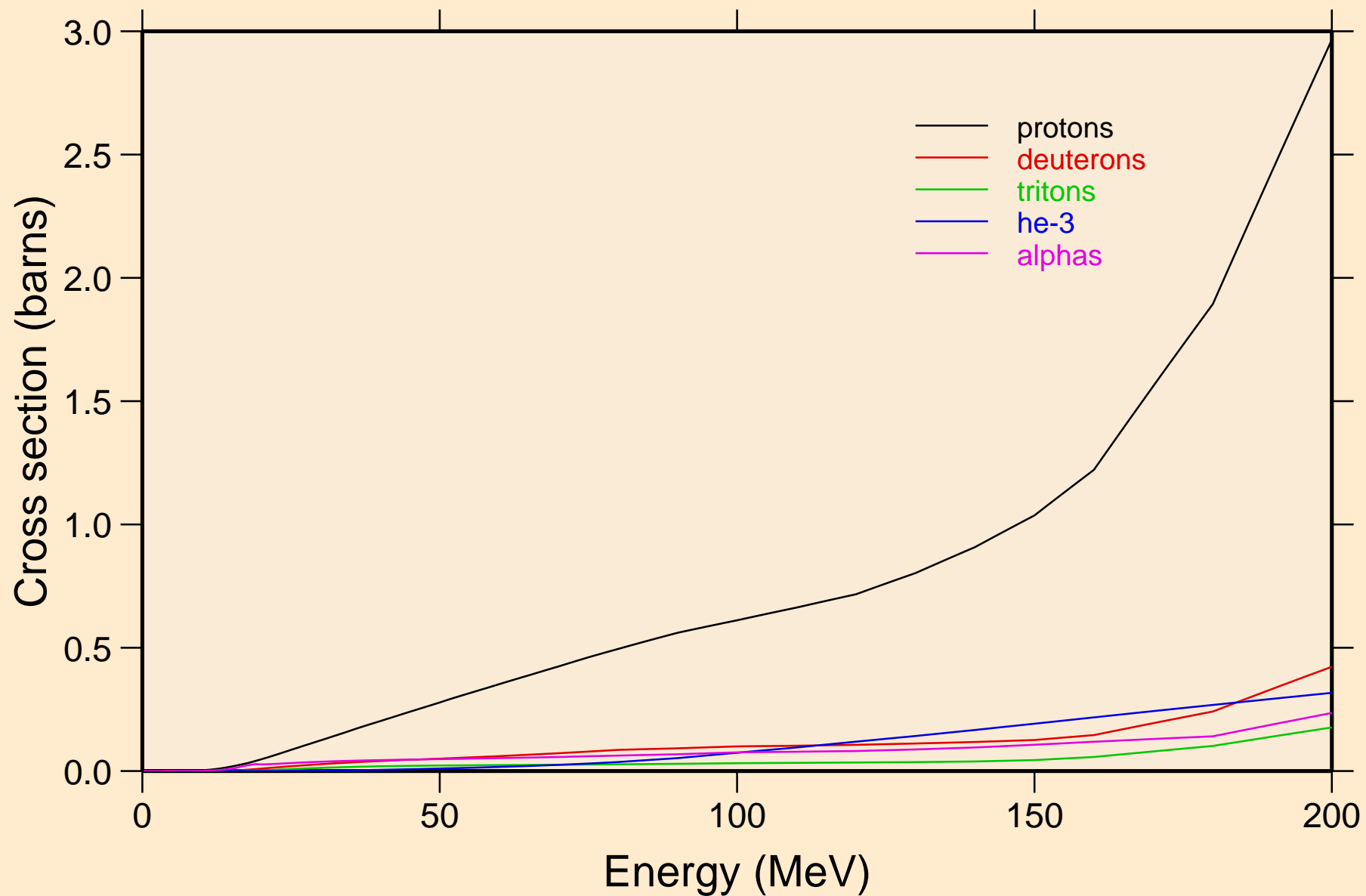
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Recoil Heating

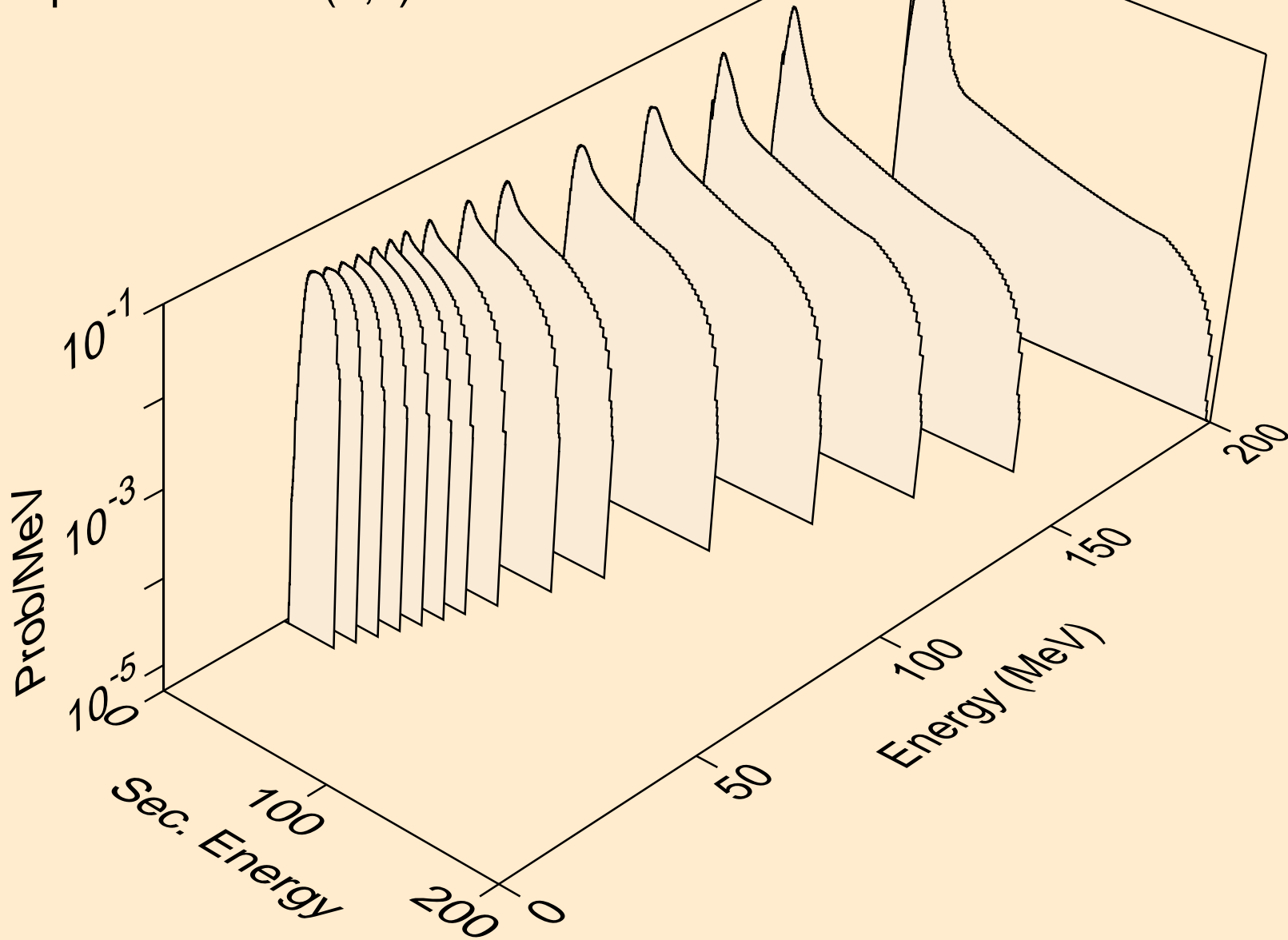


GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

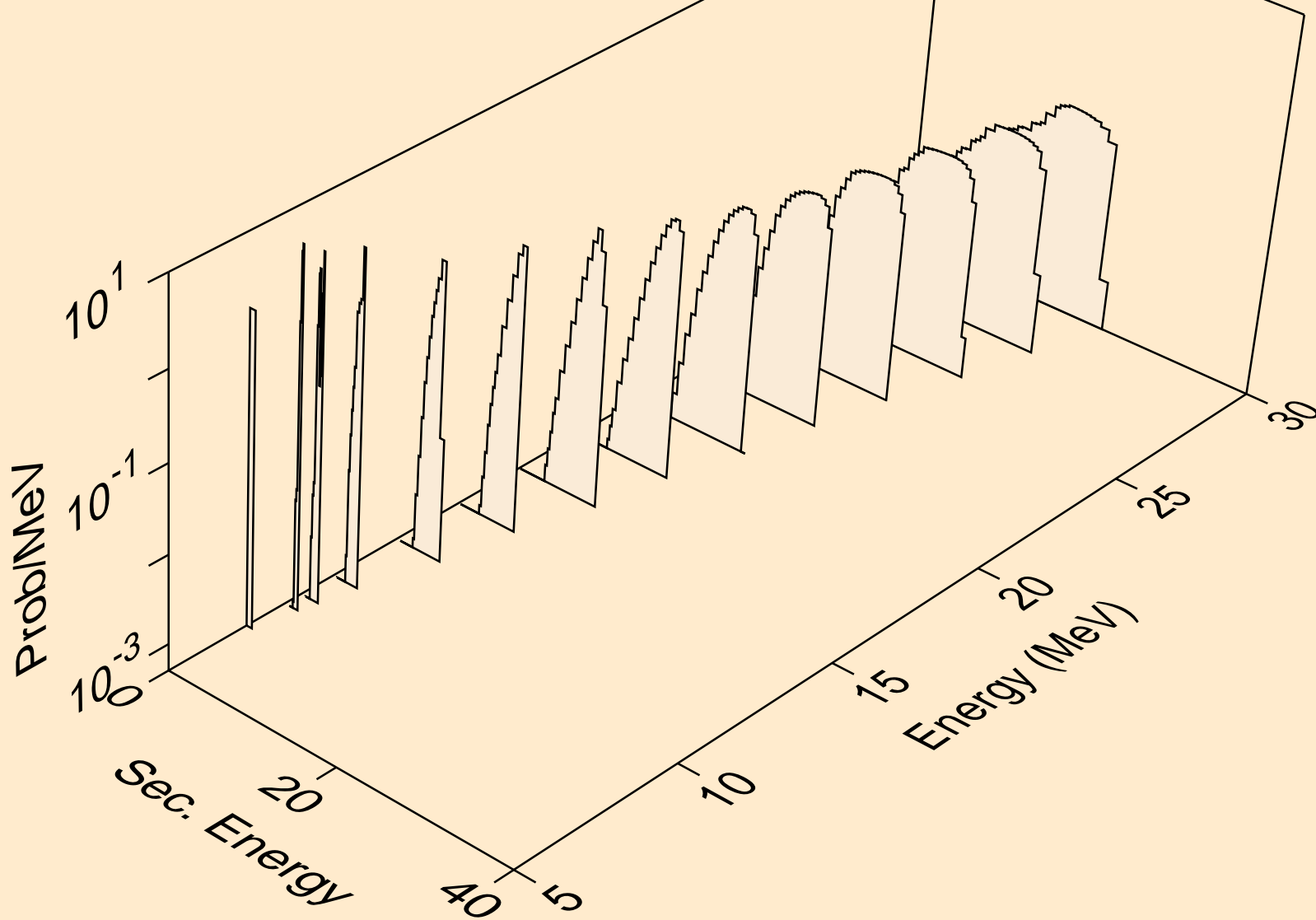
Particle production cross sections



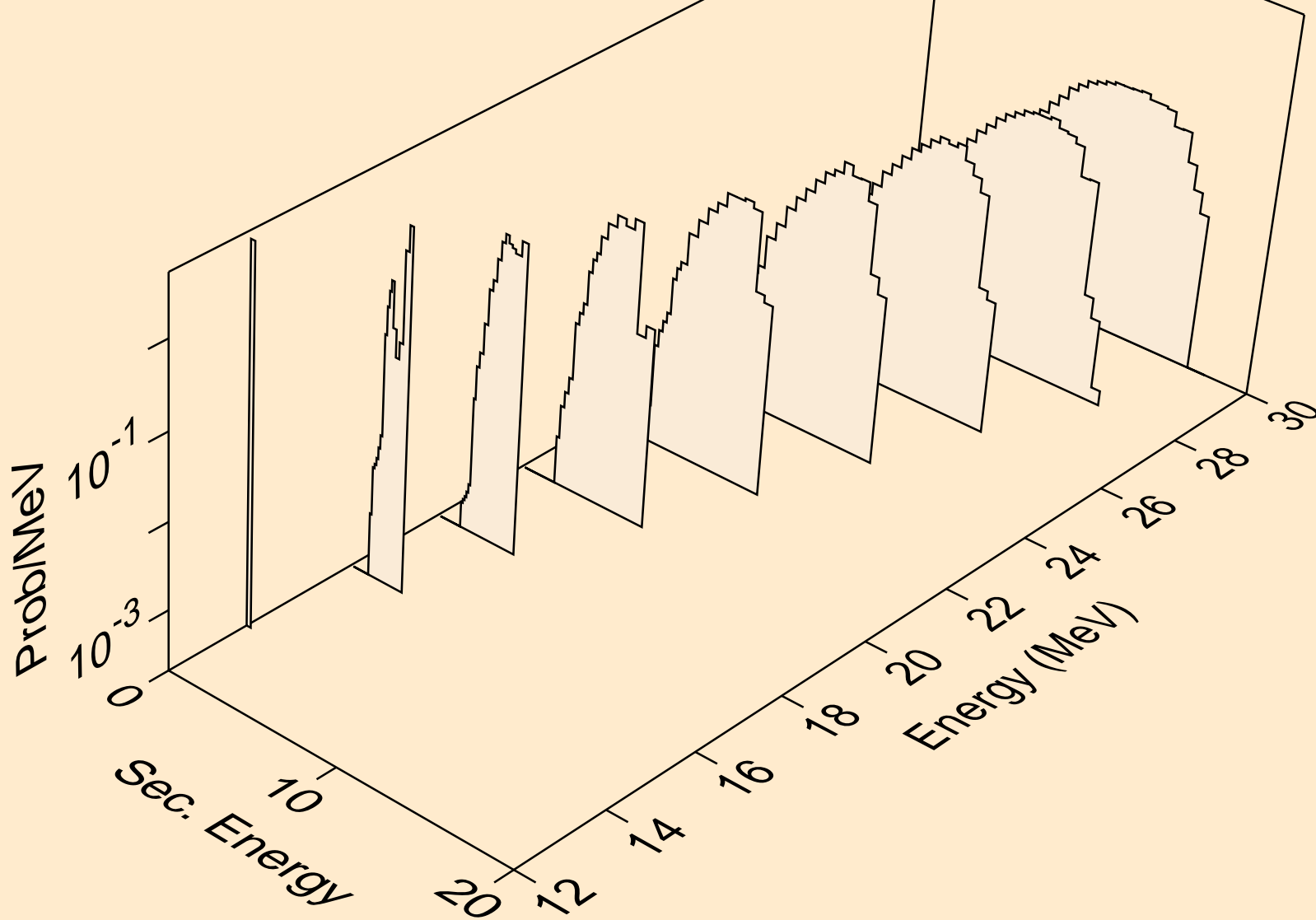
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



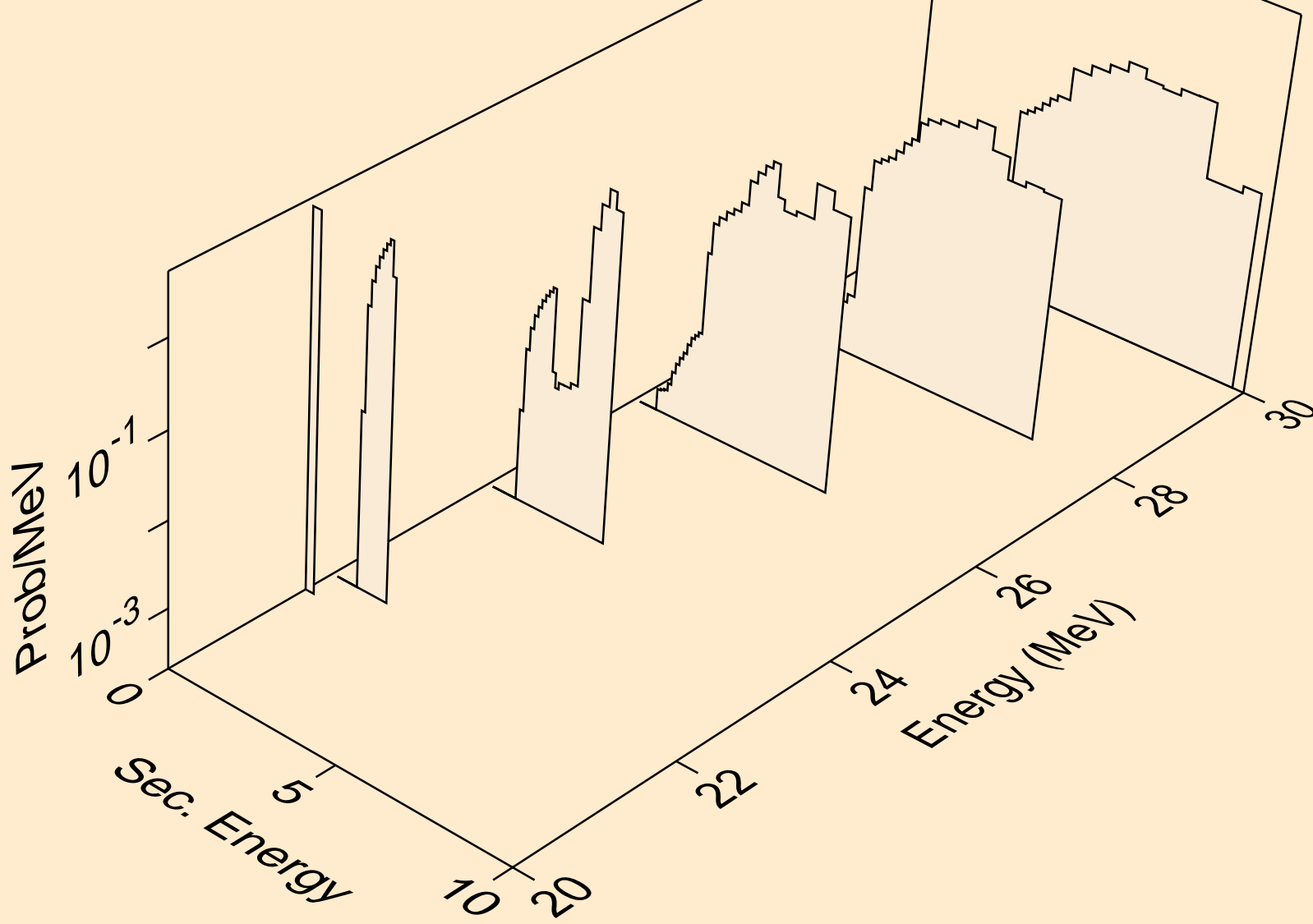
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



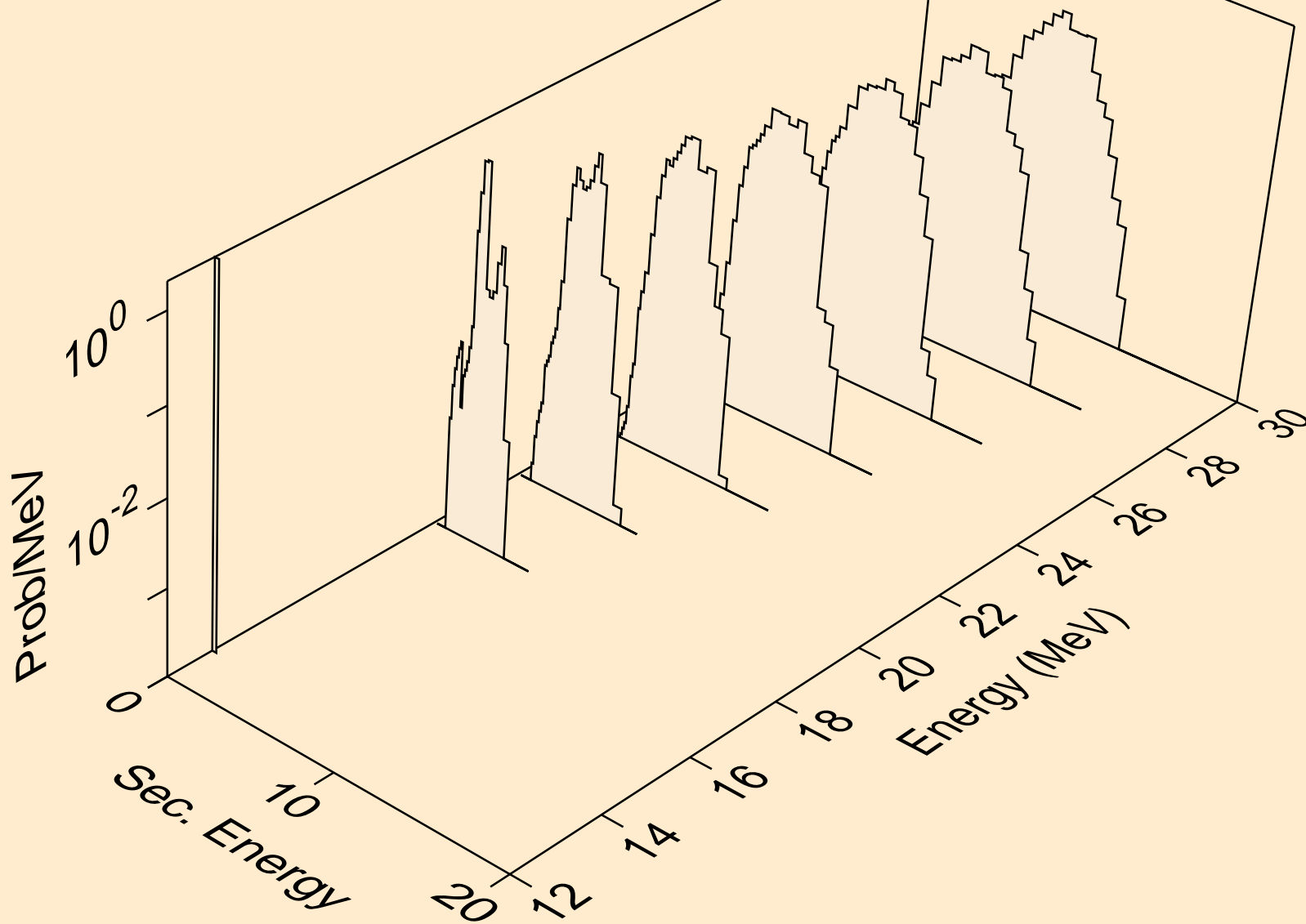
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



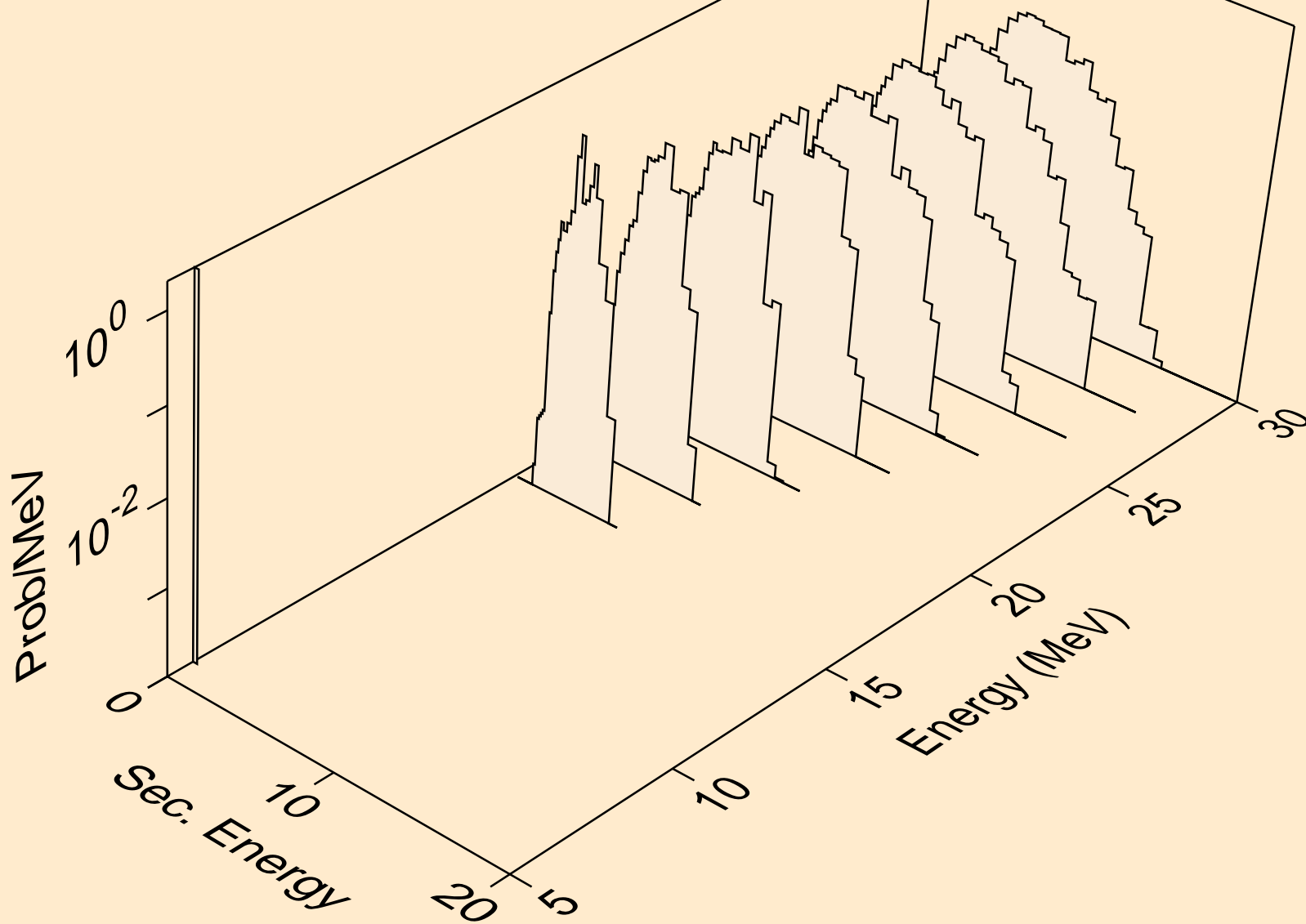
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



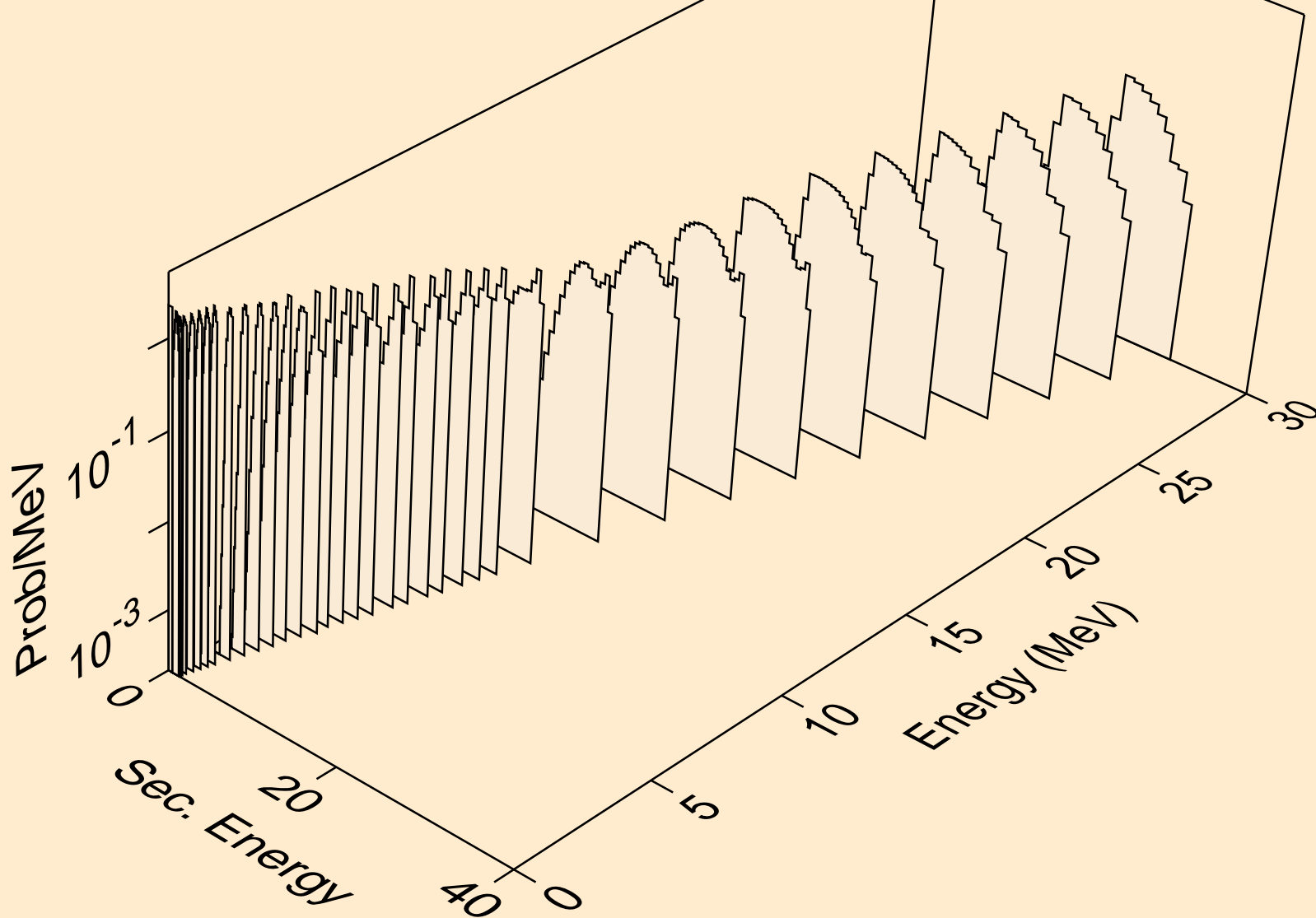
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



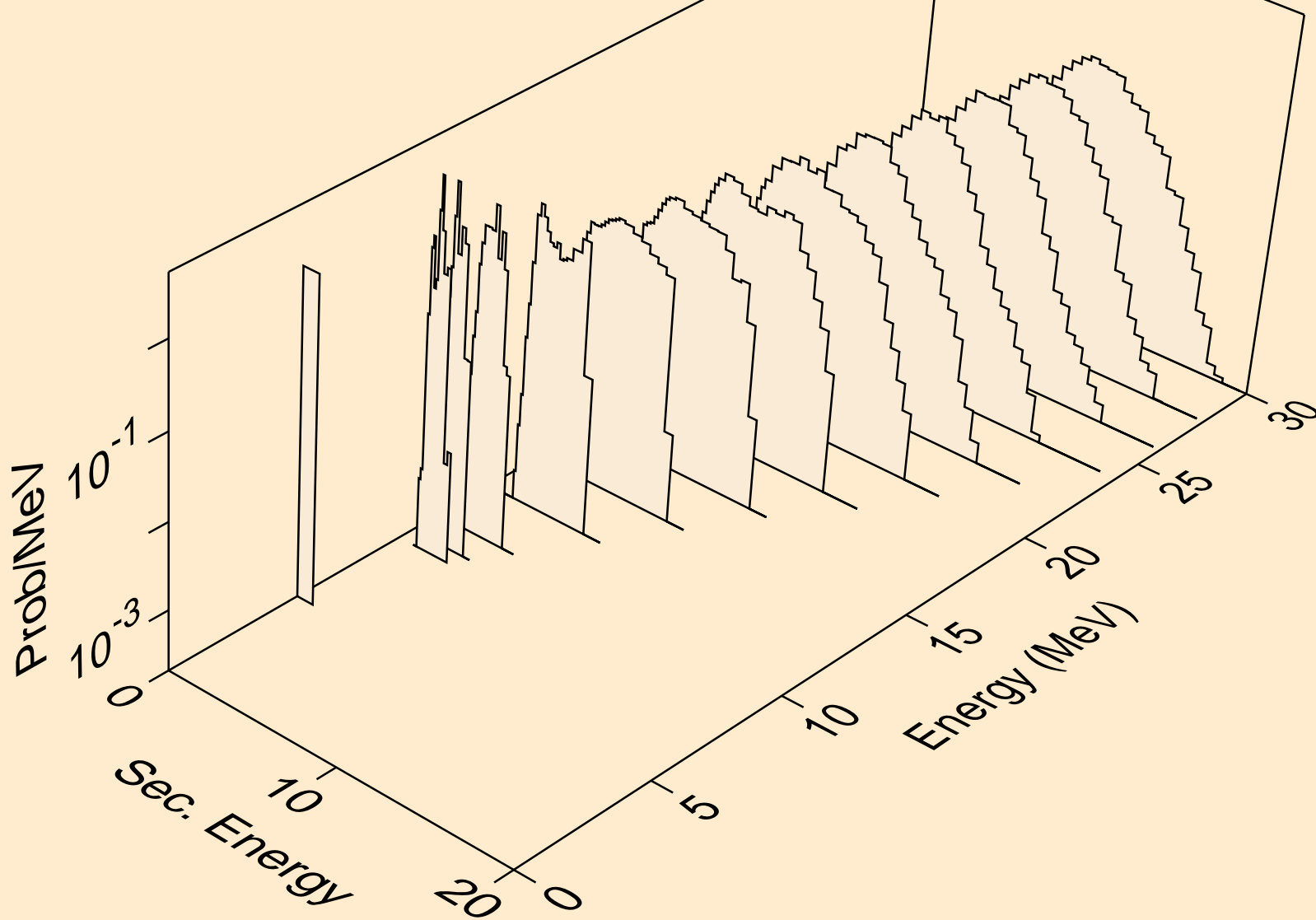
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



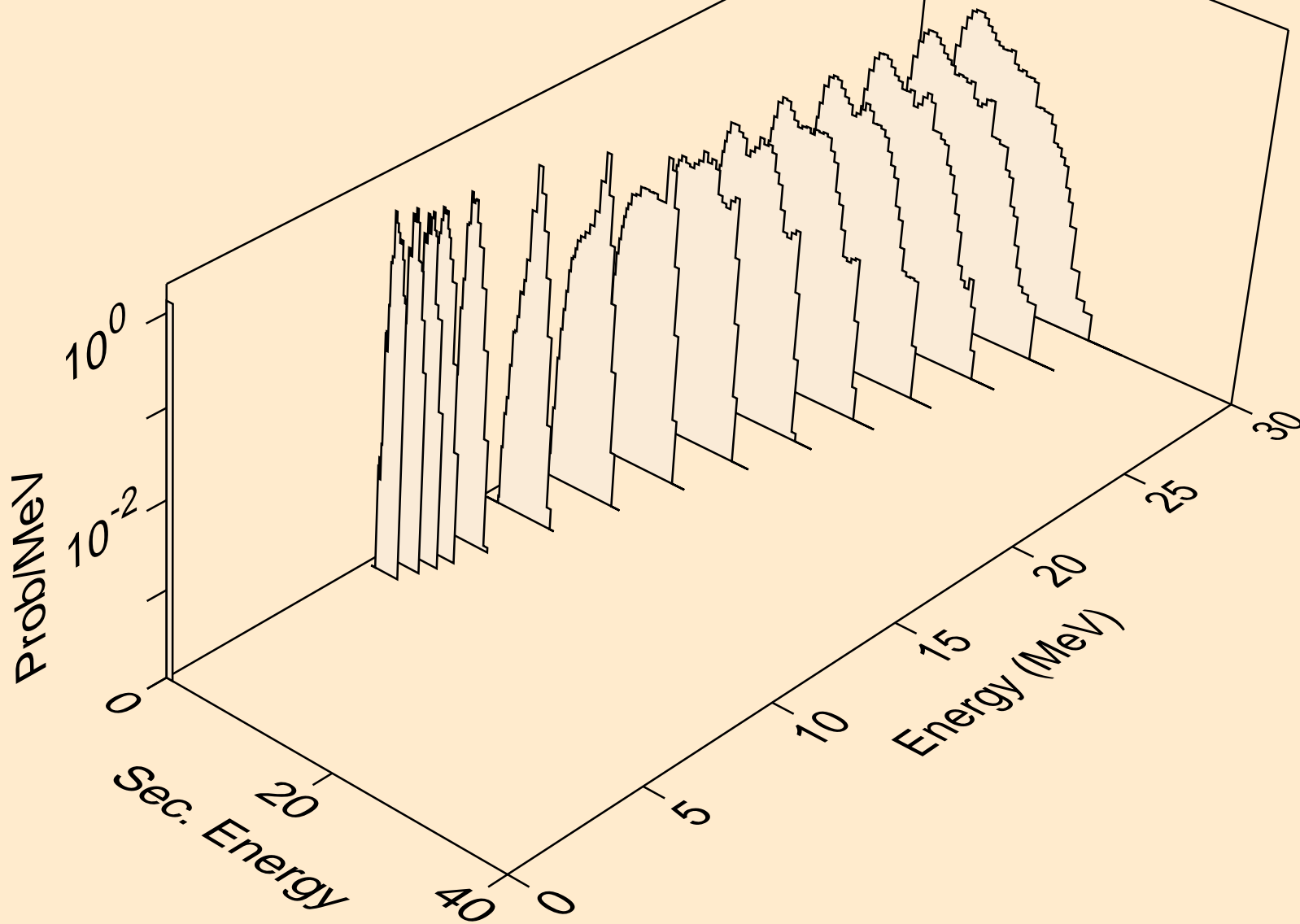
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



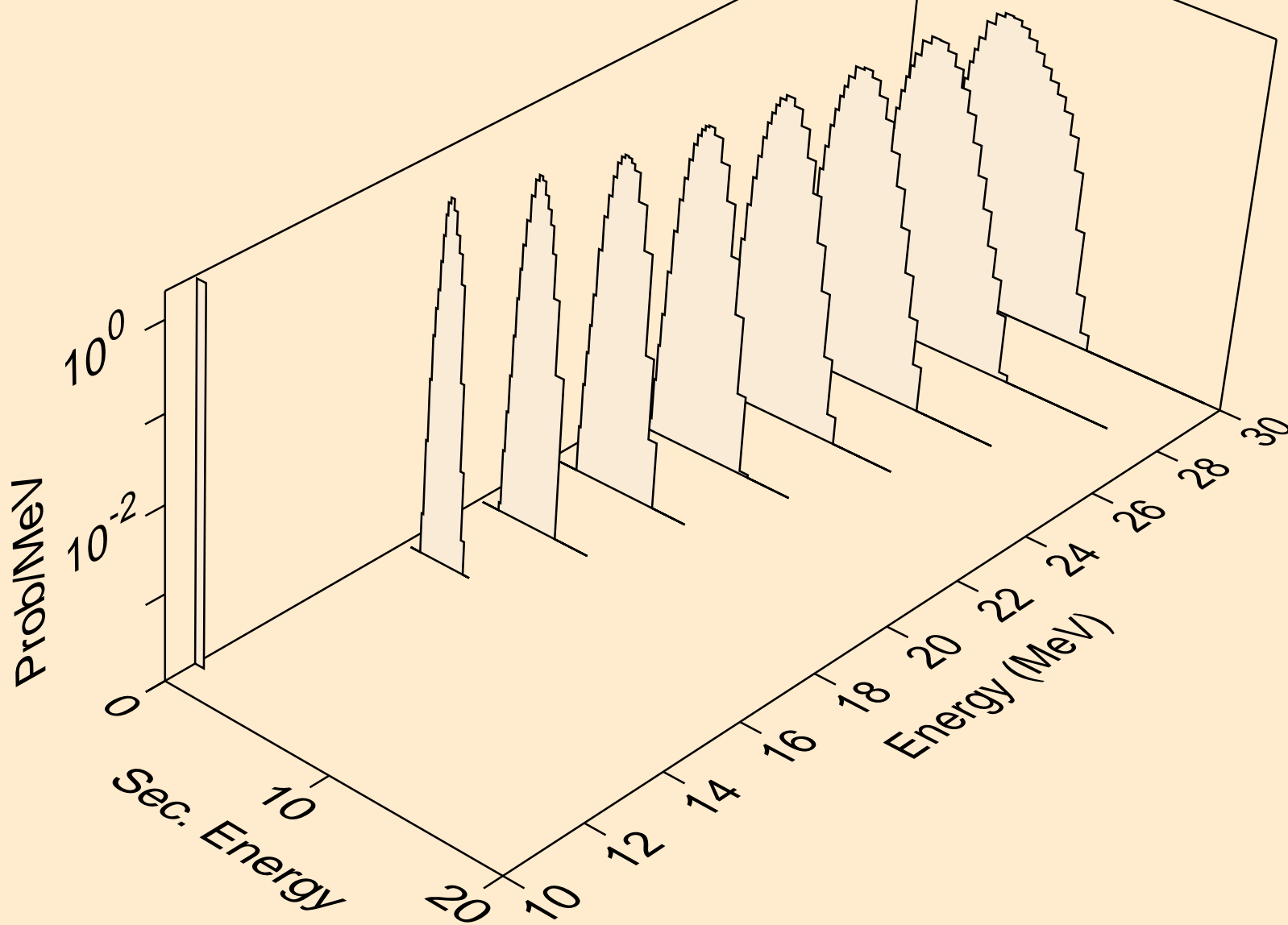
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



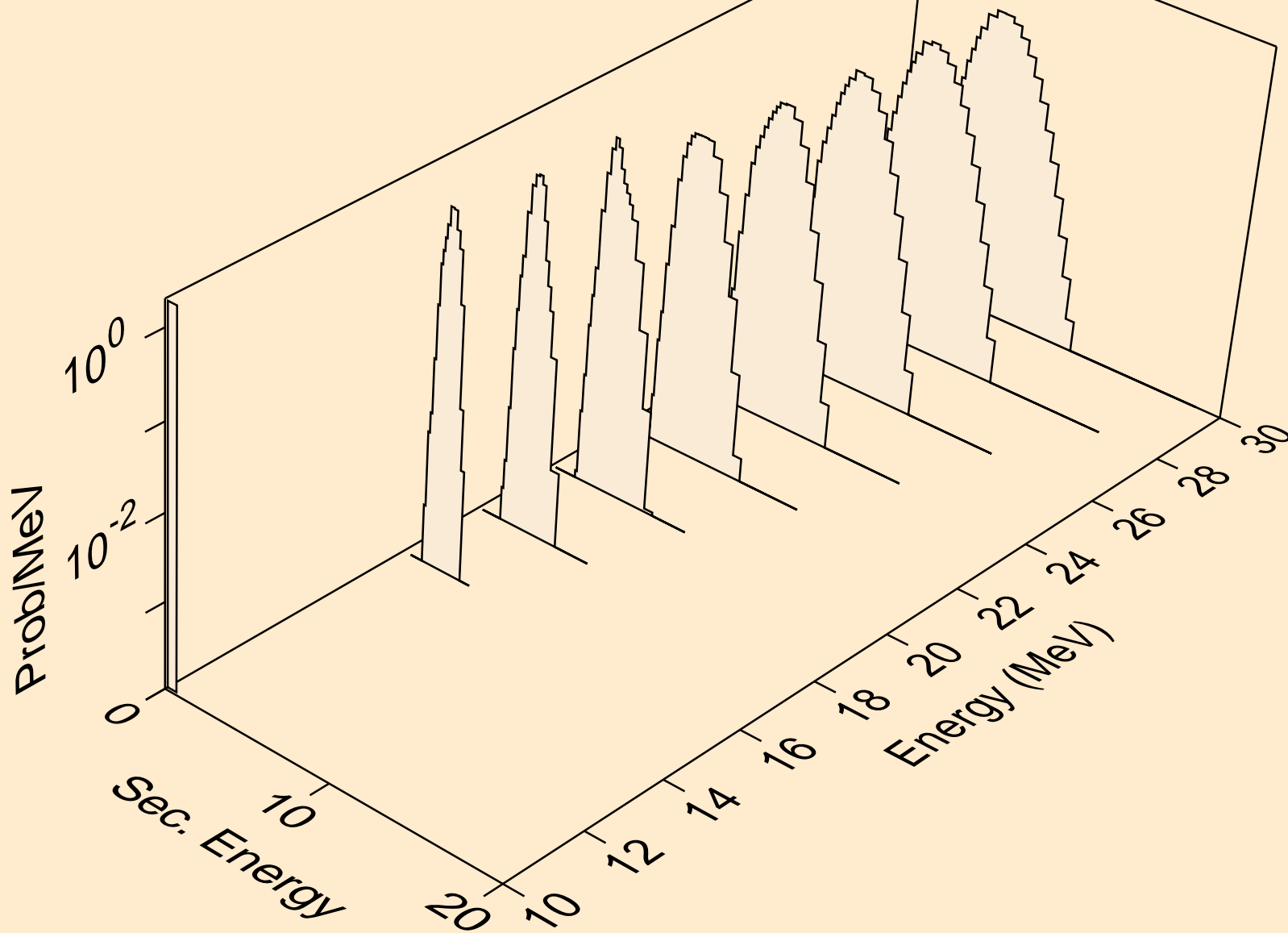
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



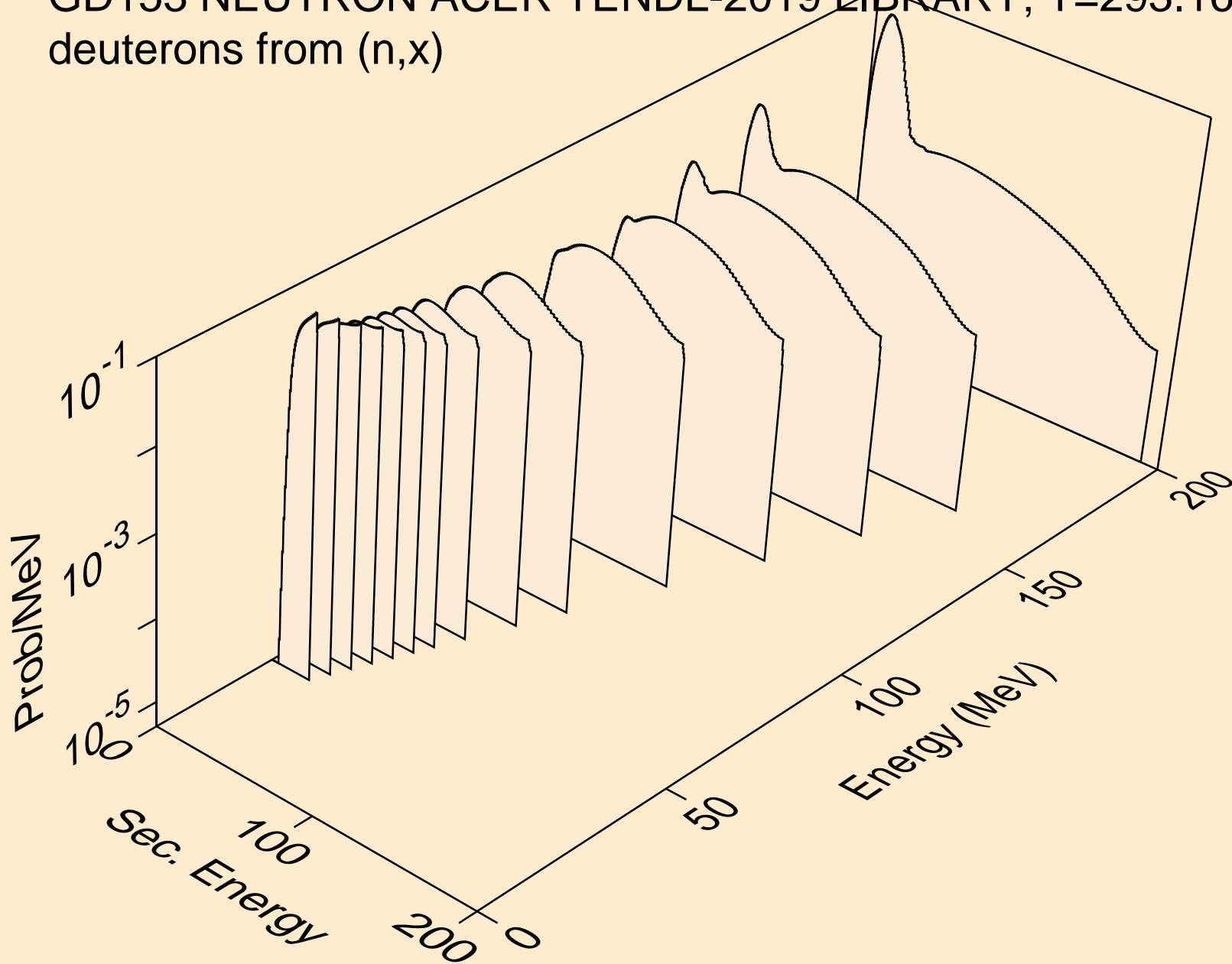
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



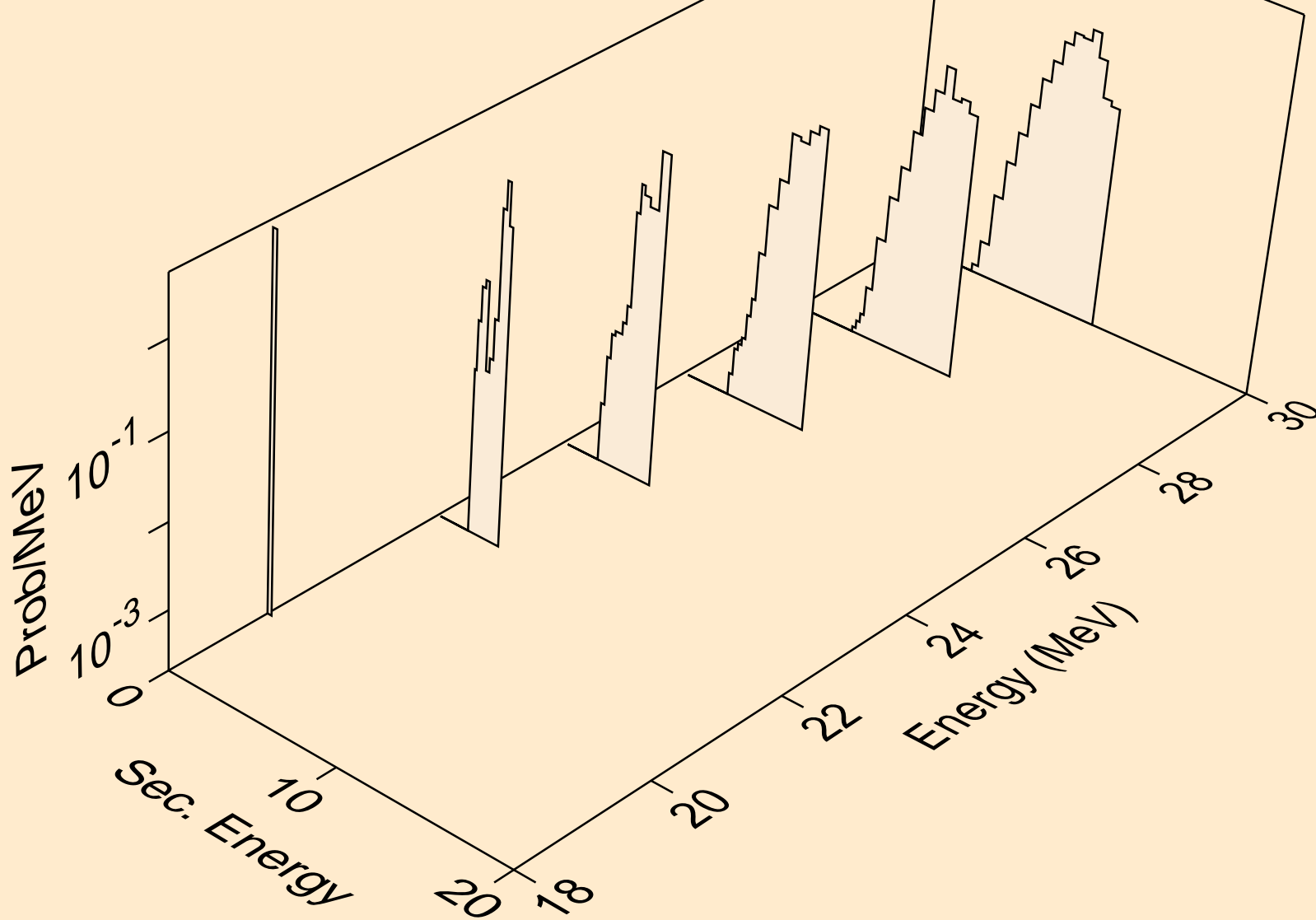
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



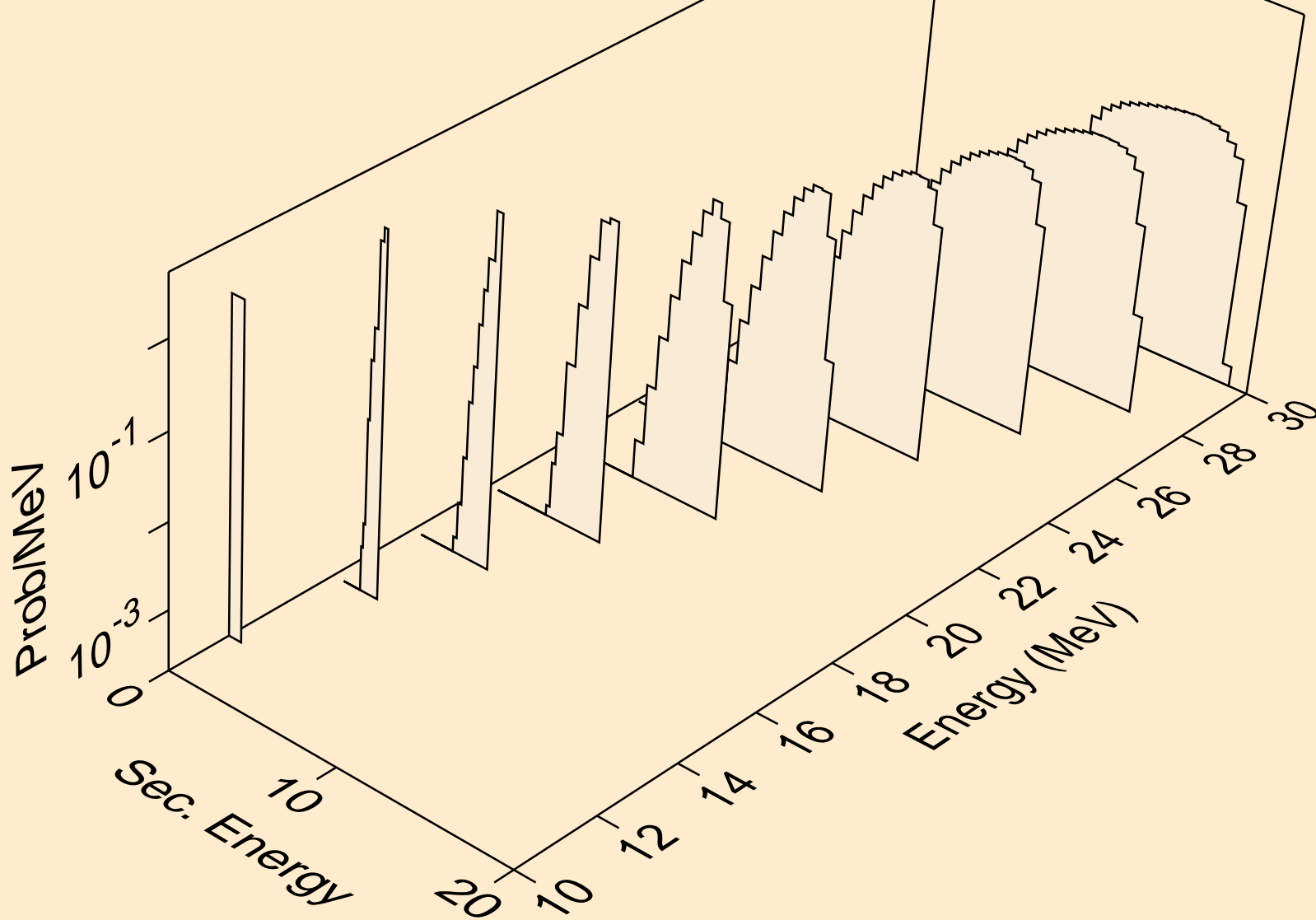
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



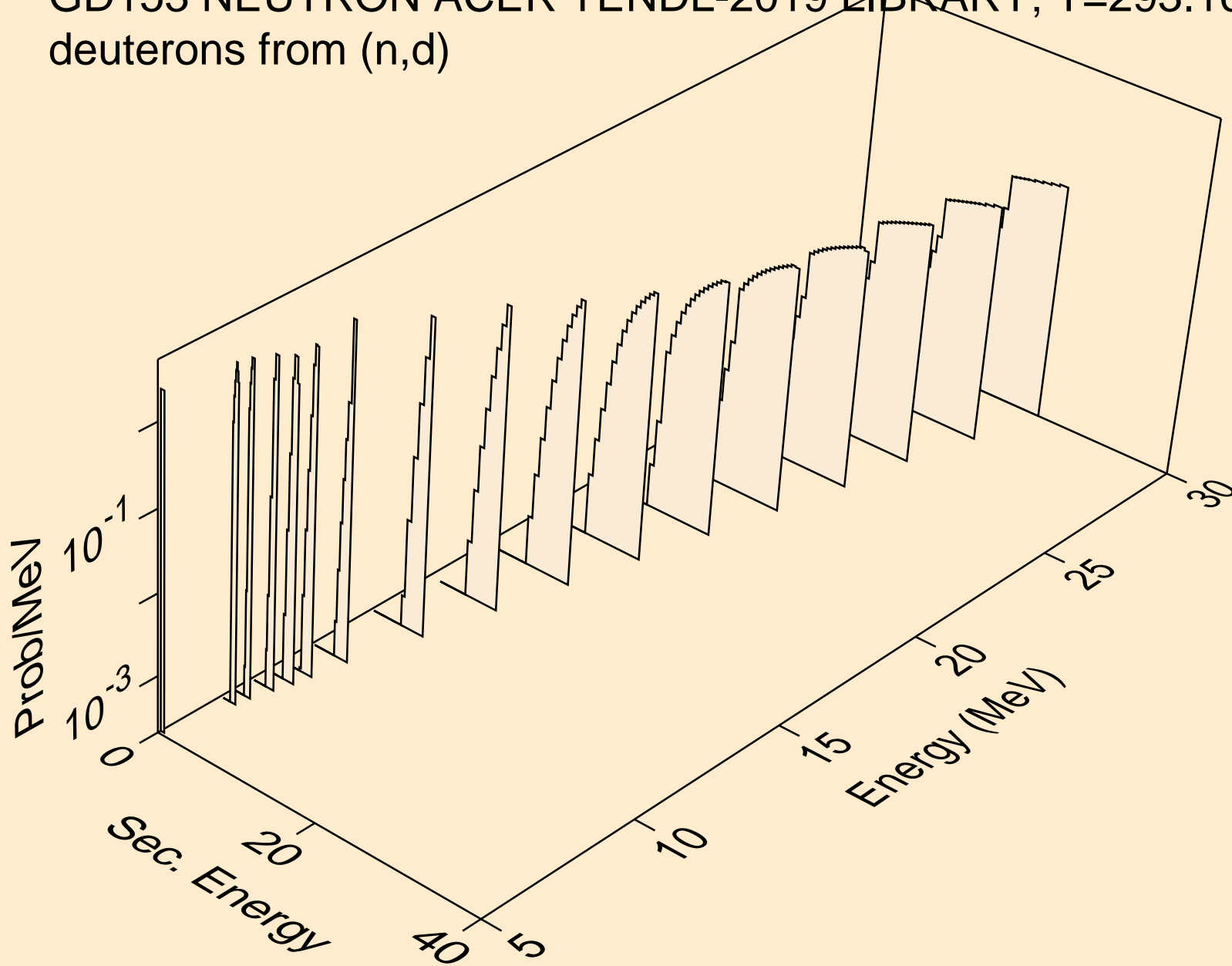
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



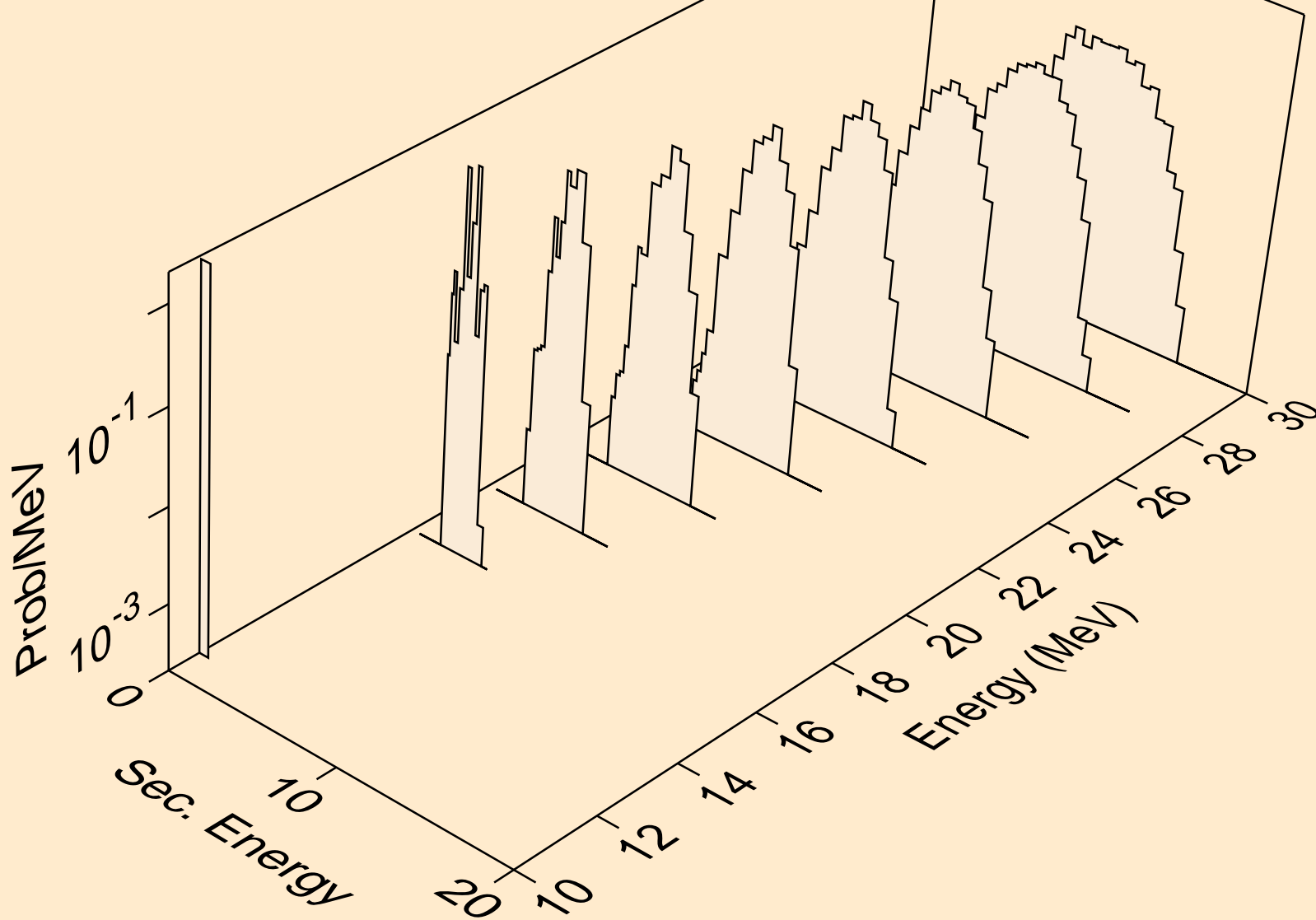
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



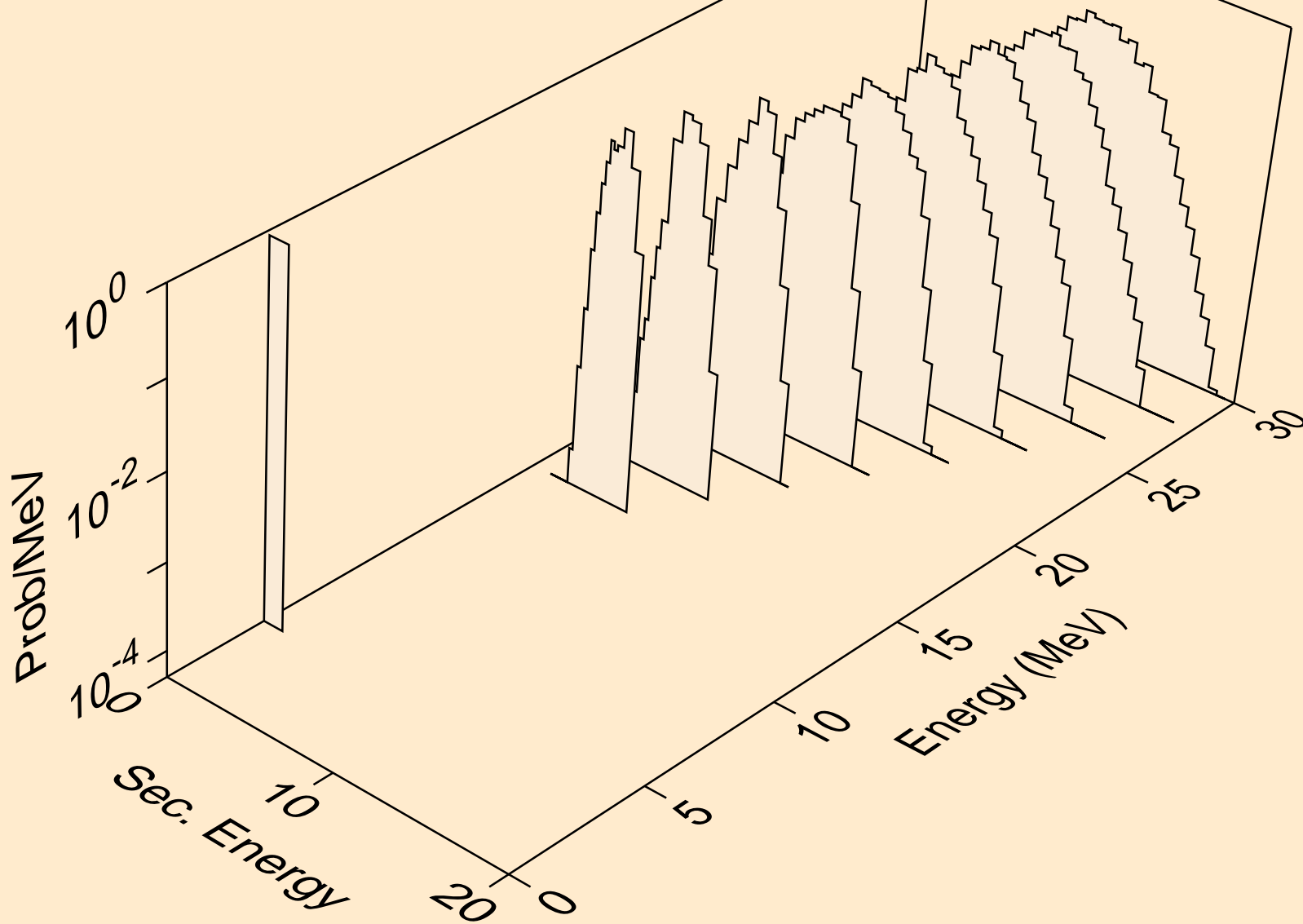
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



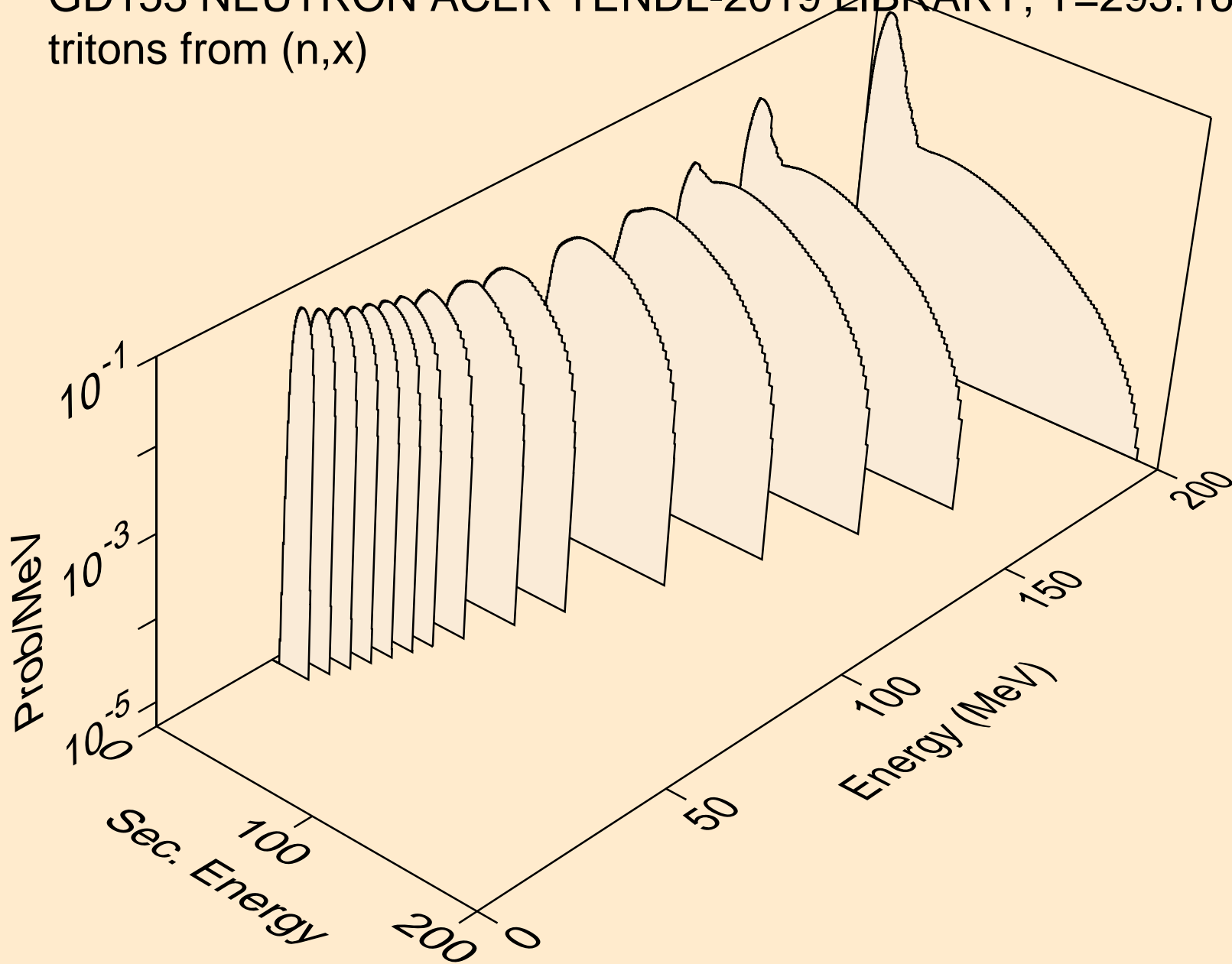
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



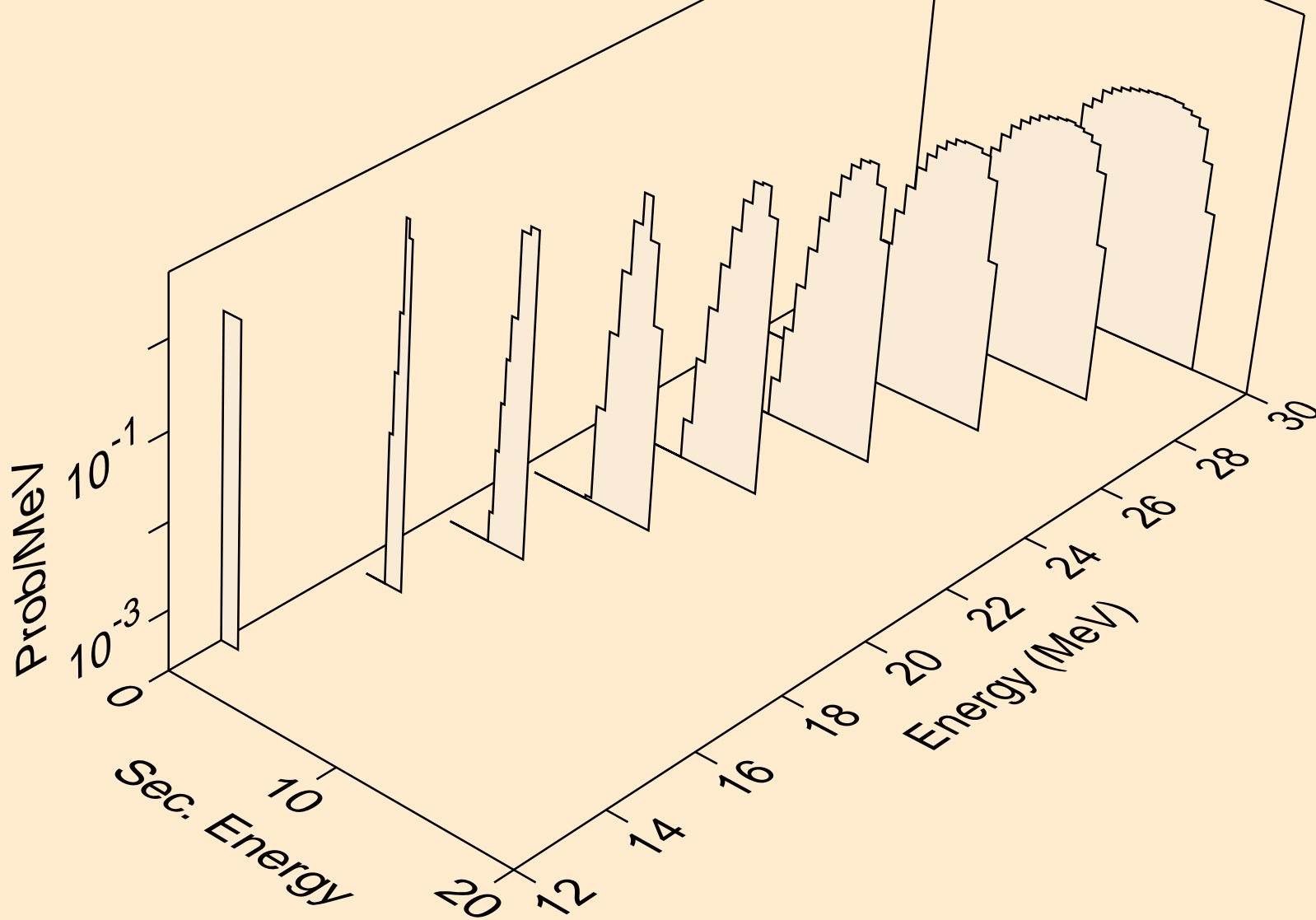
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



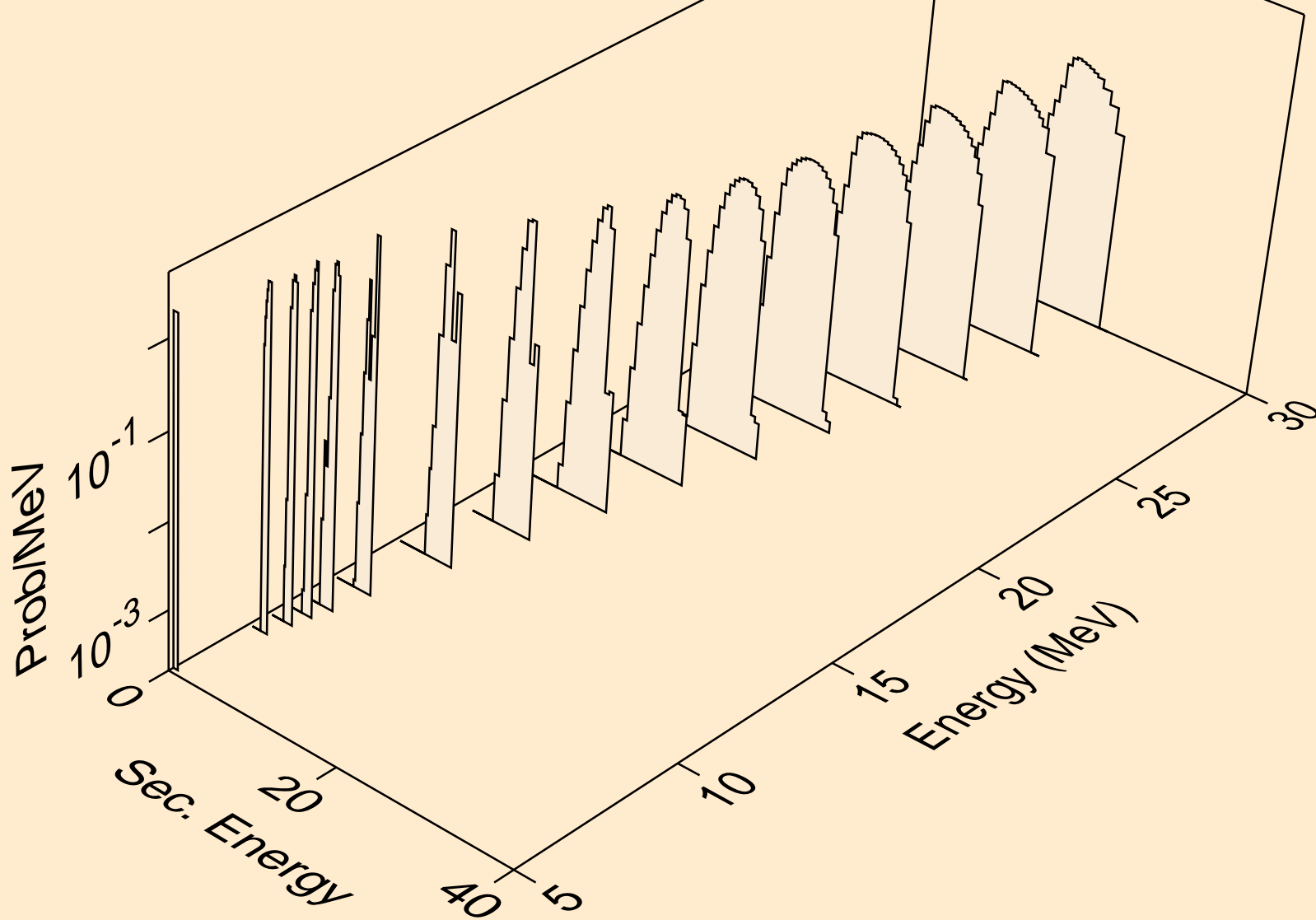
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



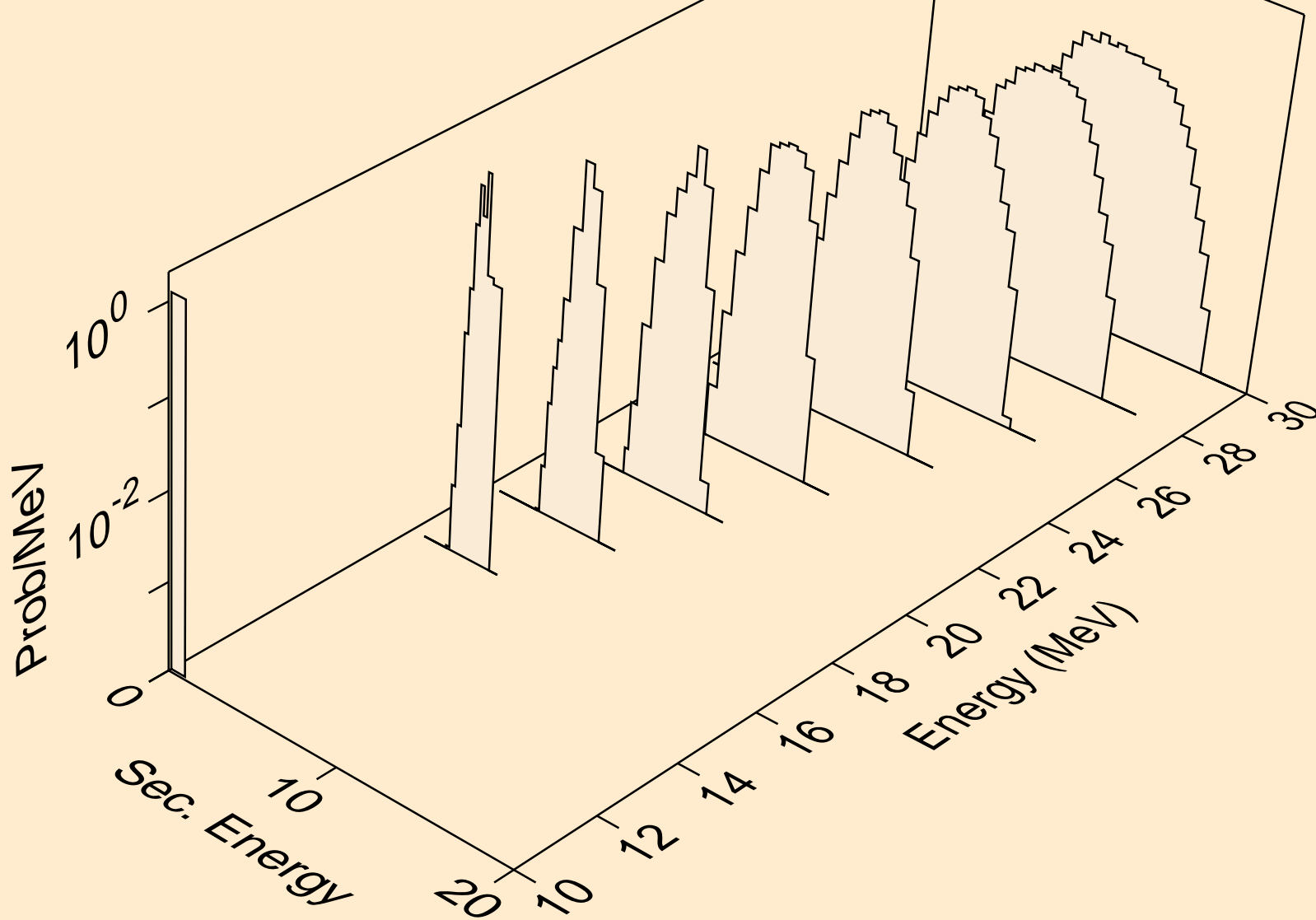
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



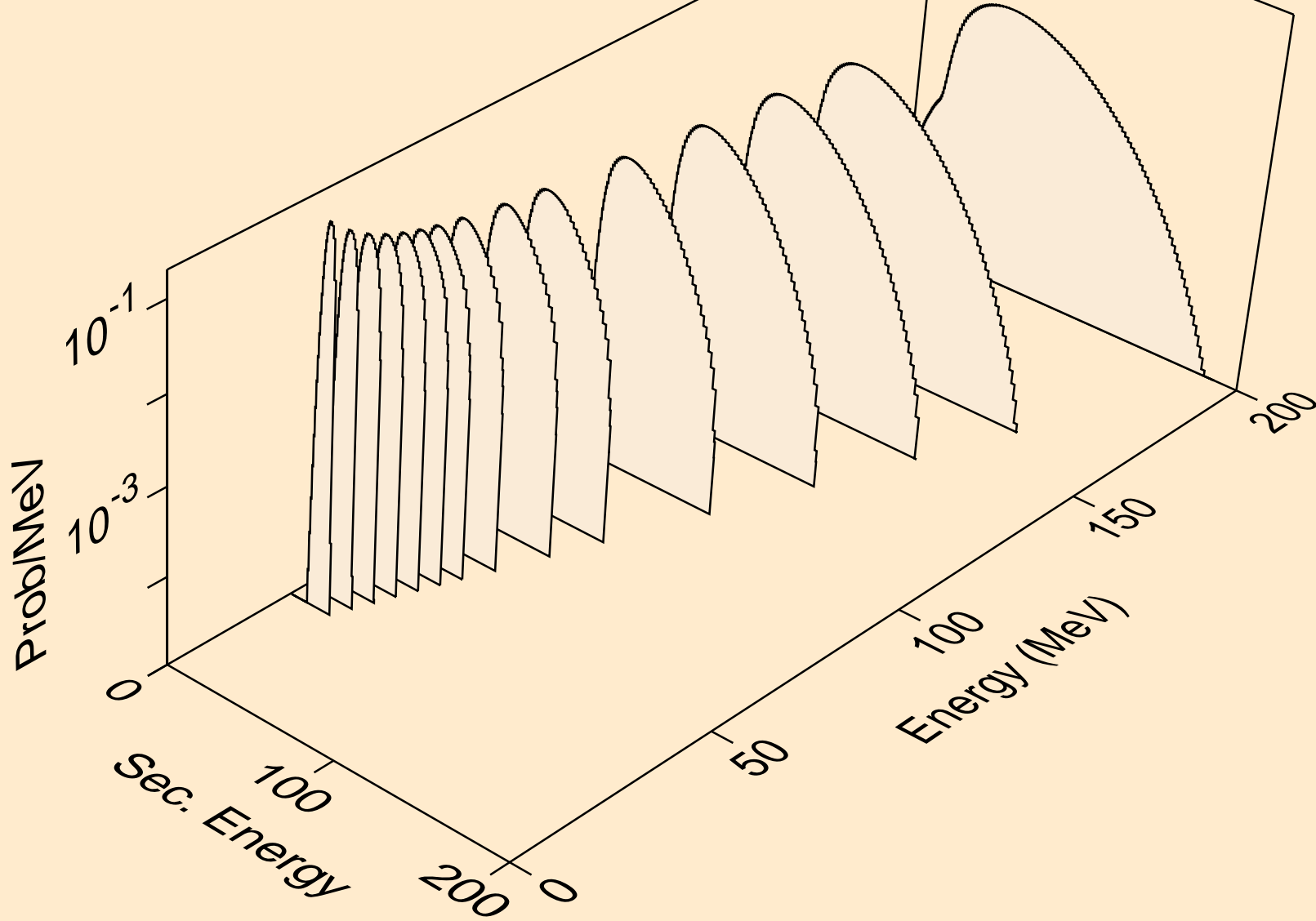
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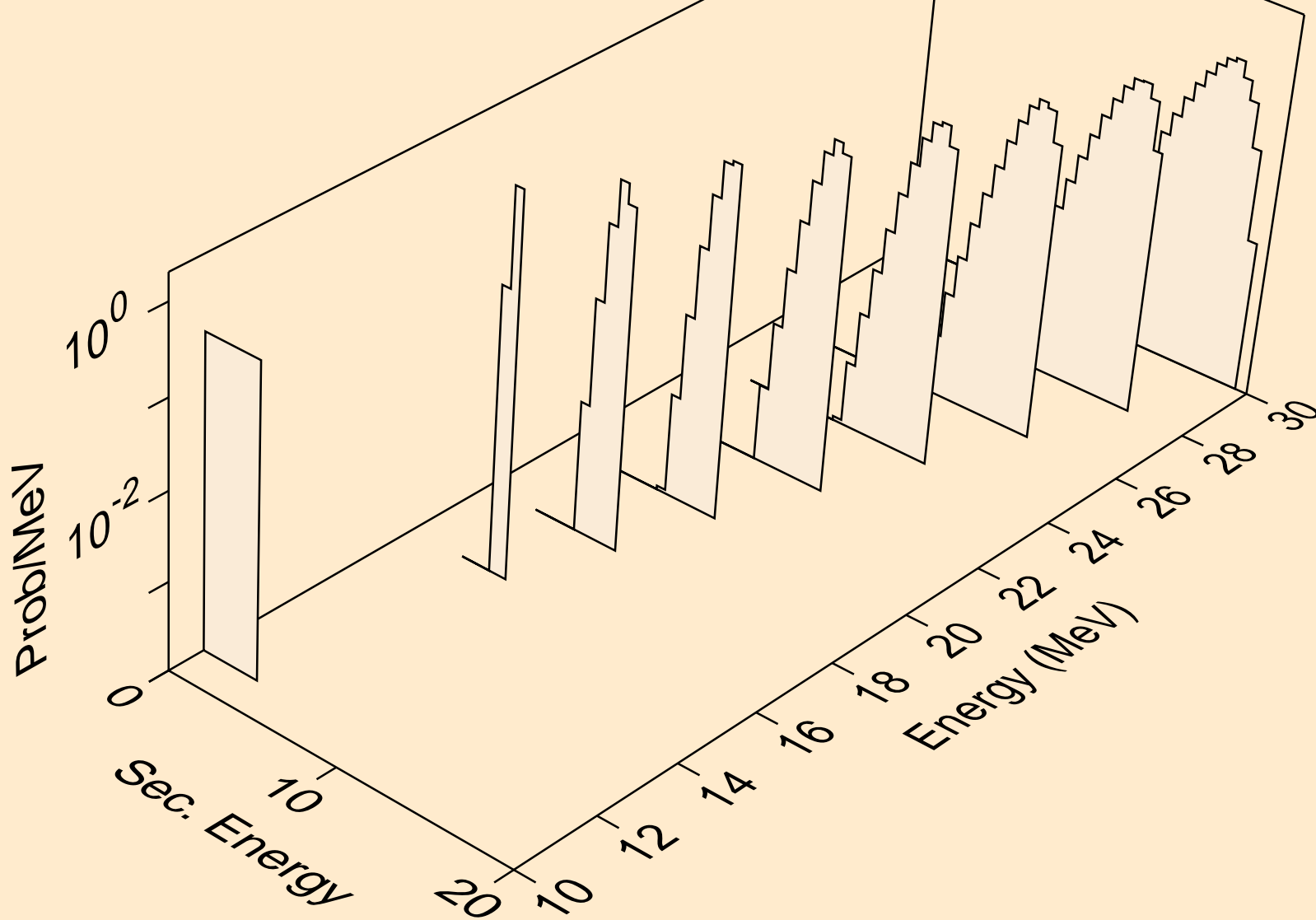
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tritons from (n,pt)



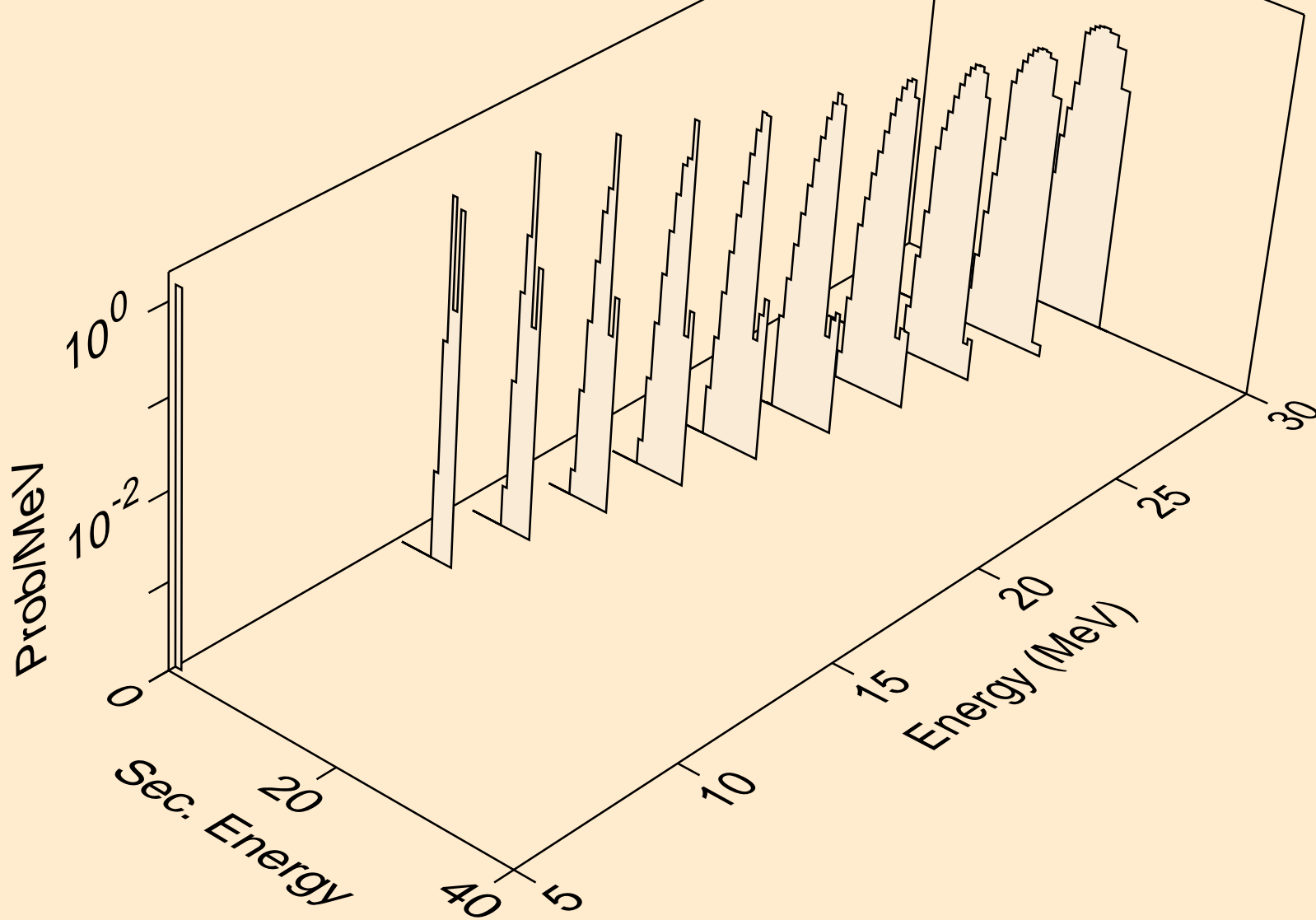
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



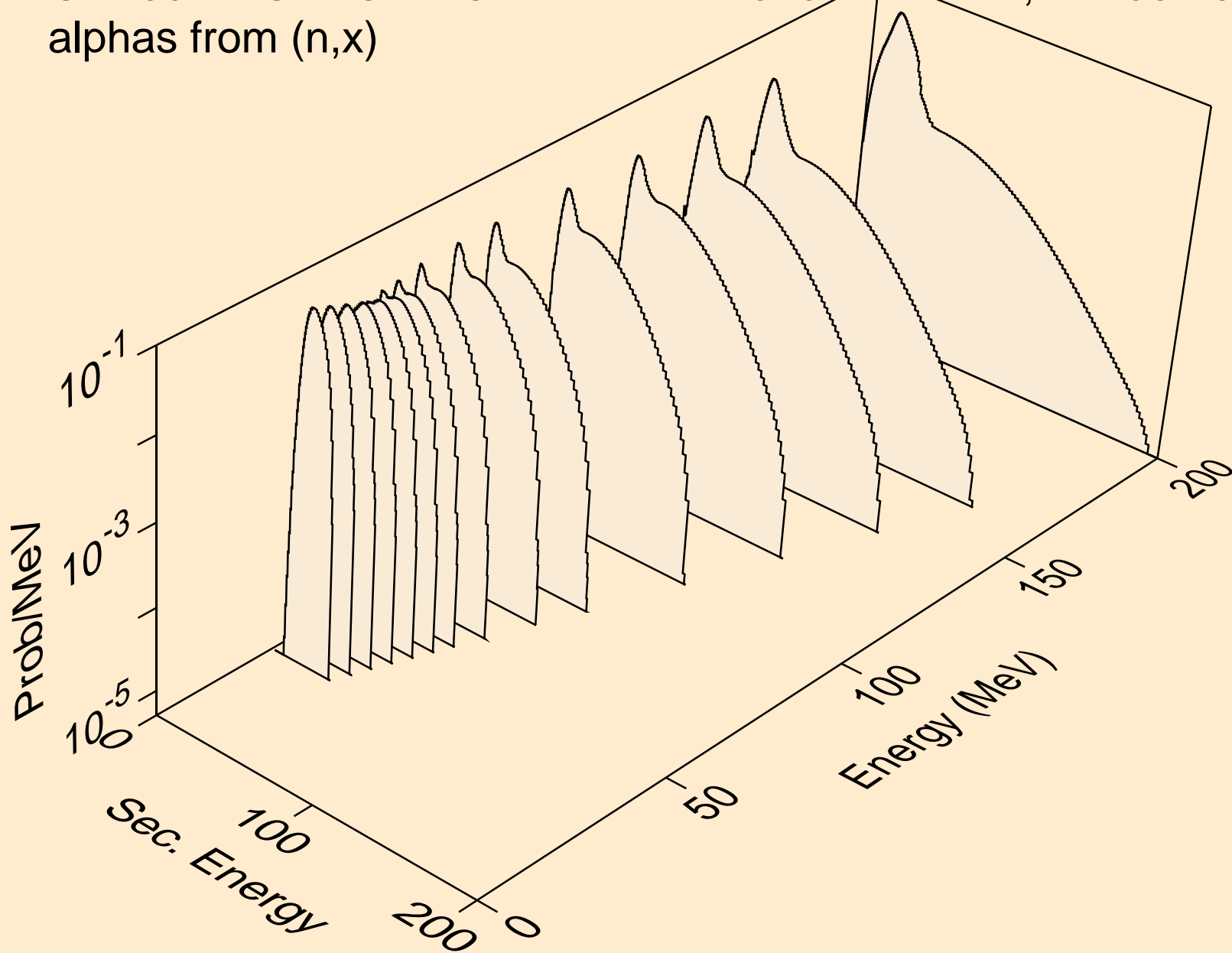
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



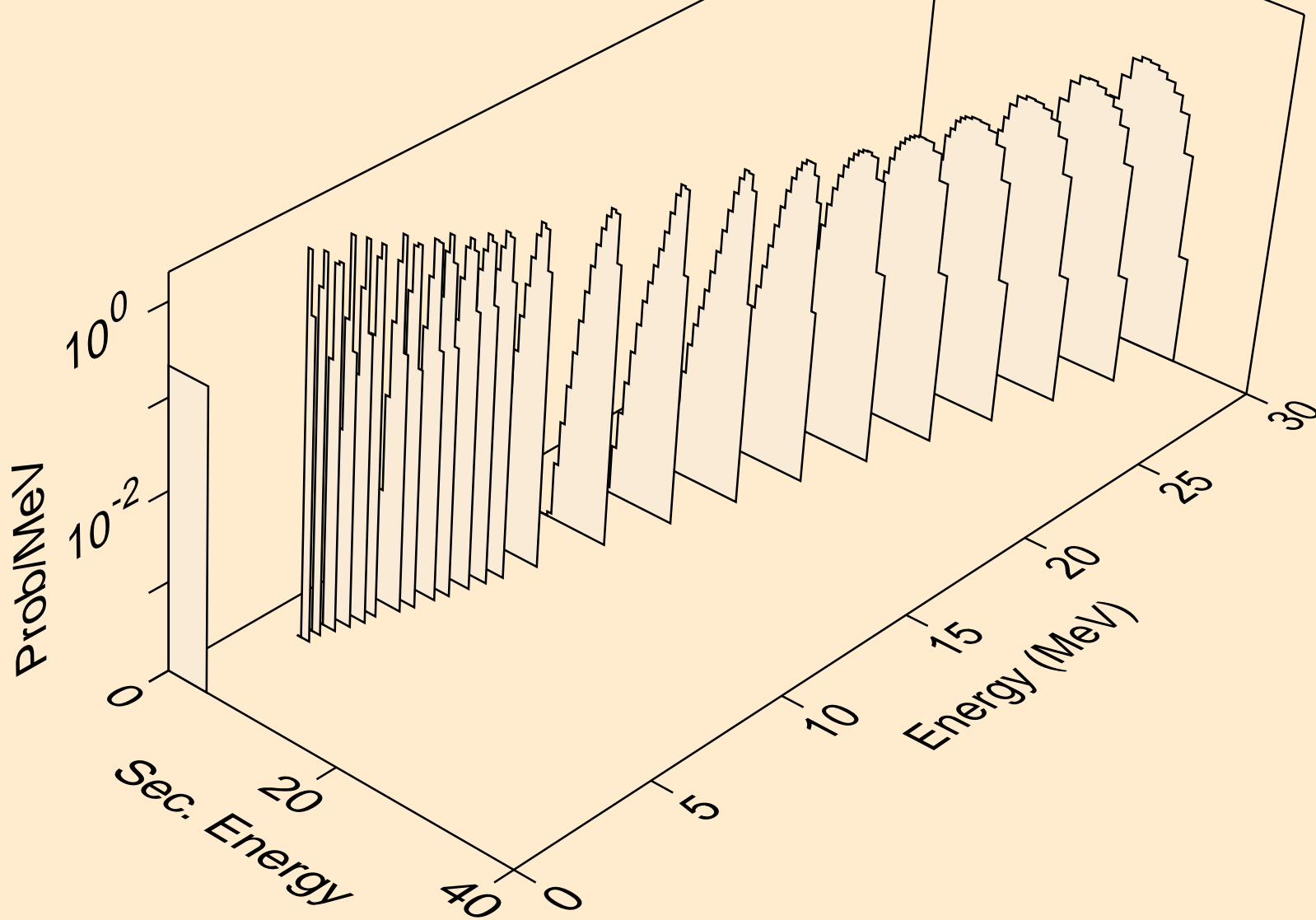
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he3s from (n,he3)



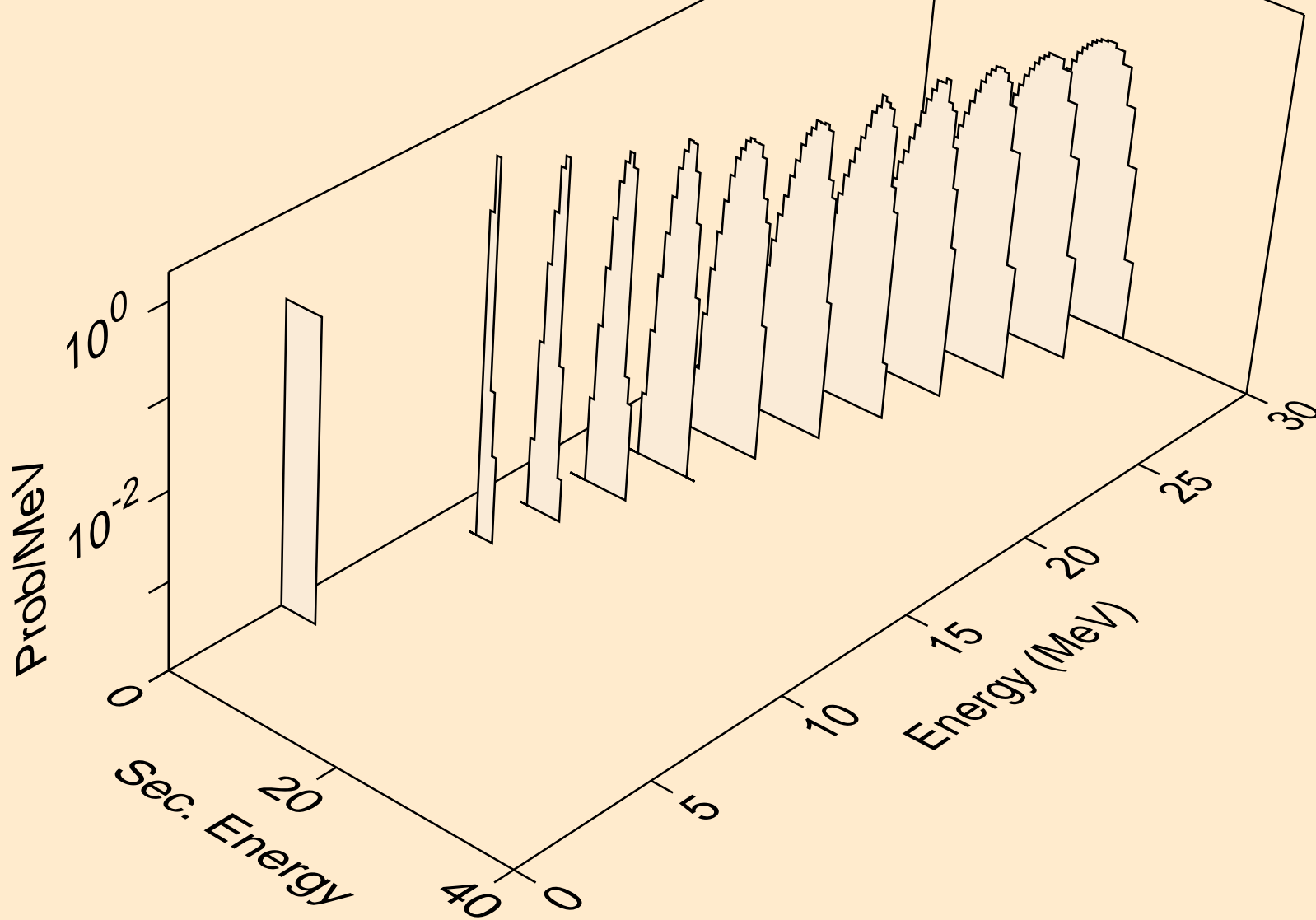
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



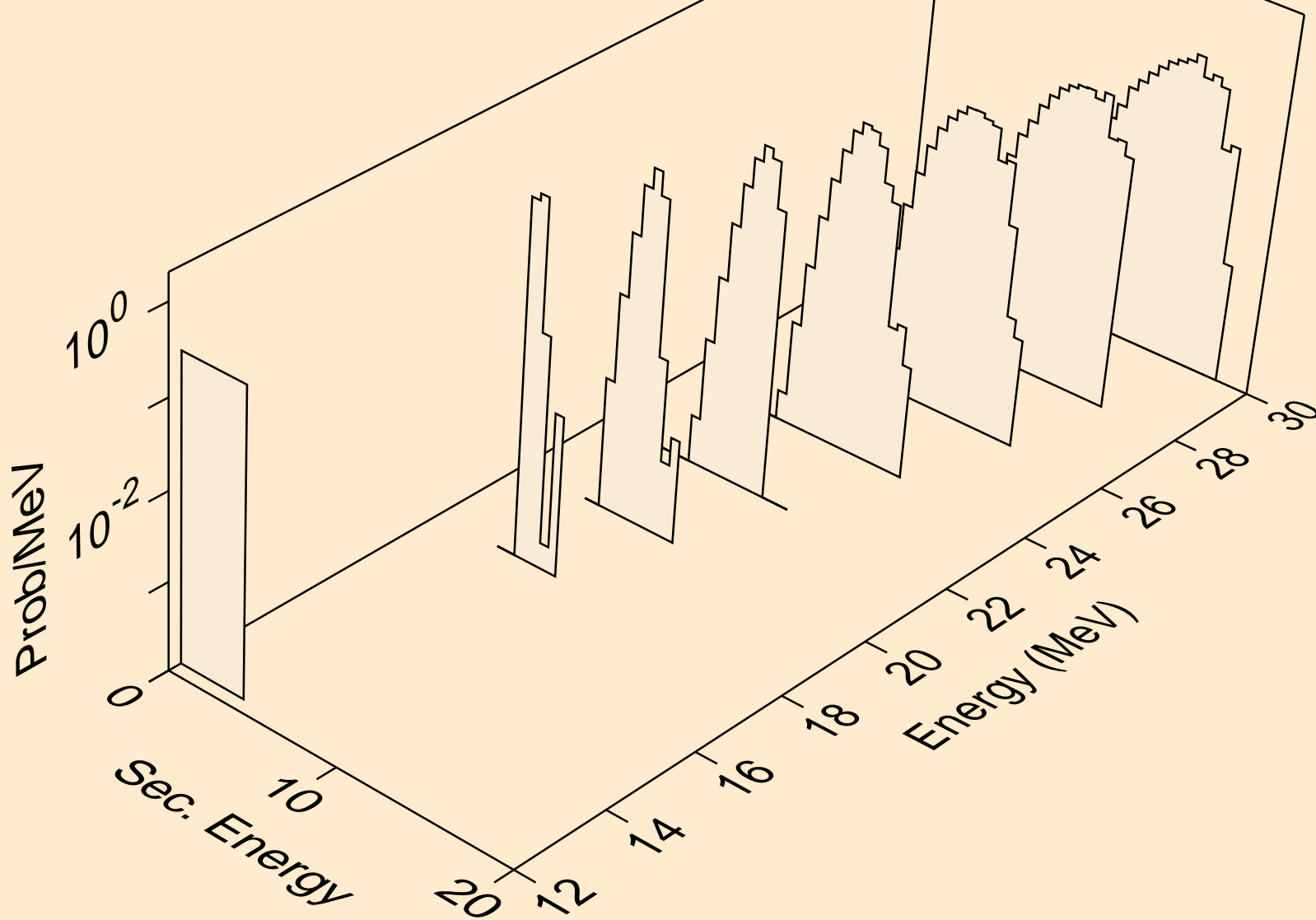
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



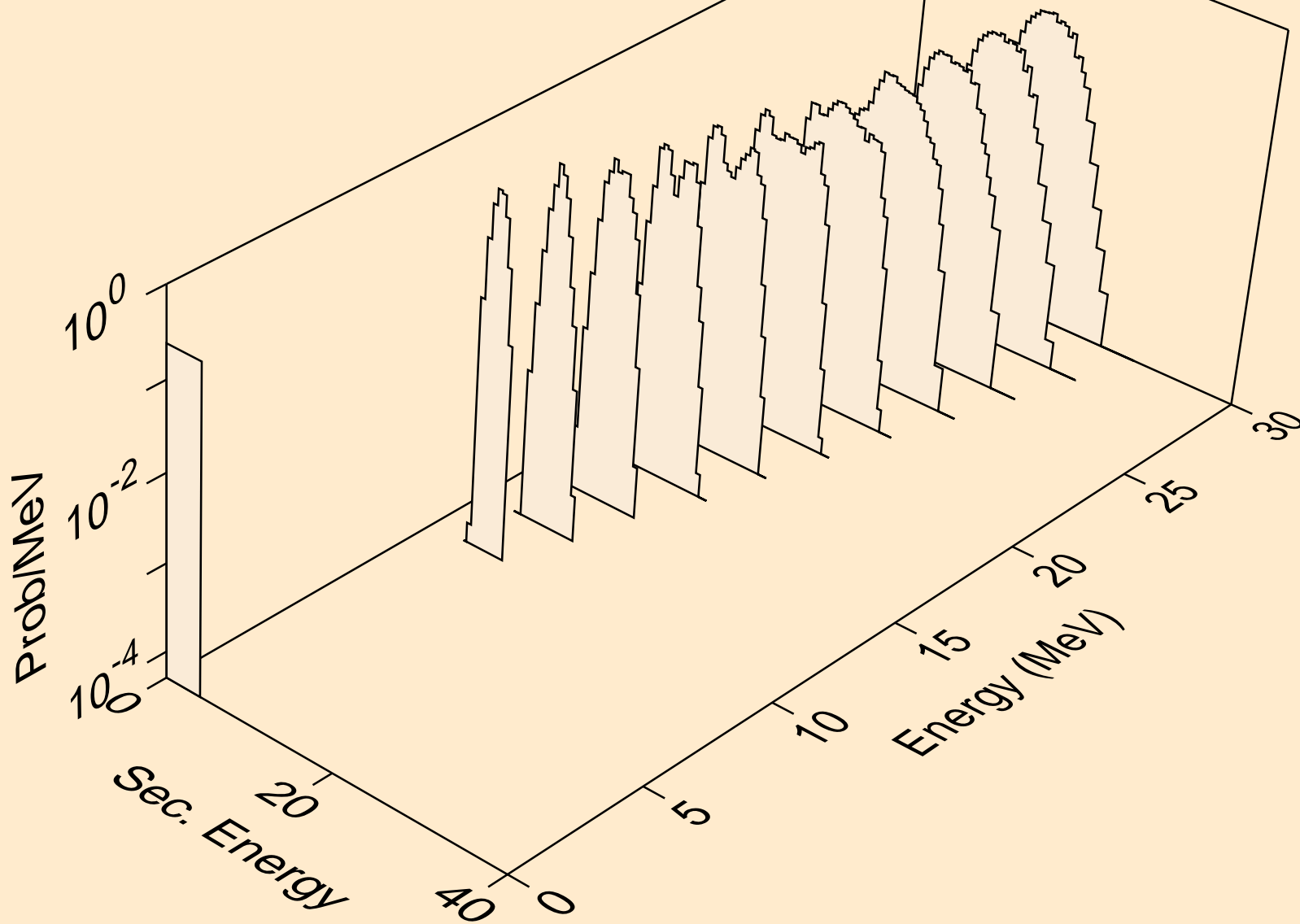
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



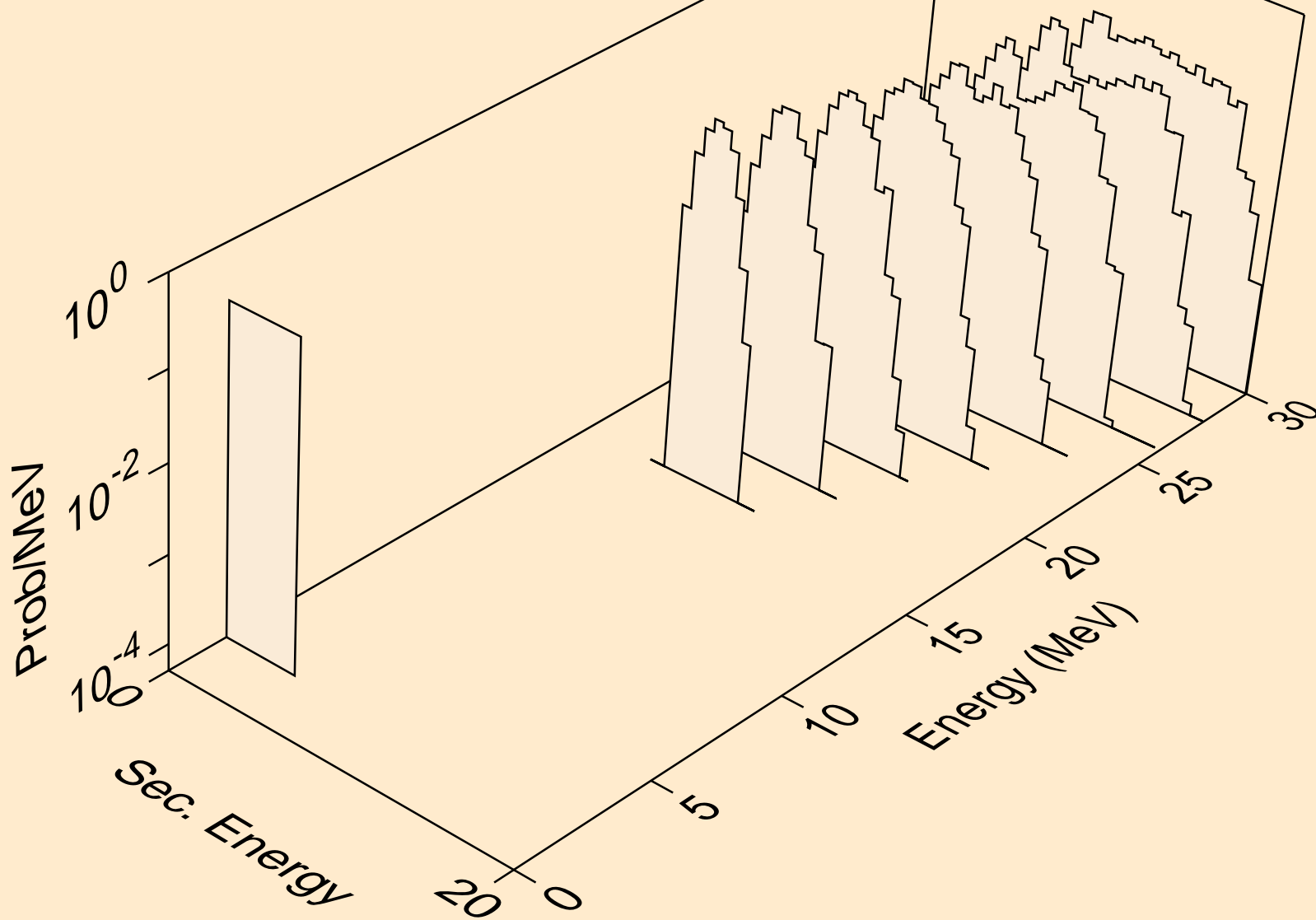
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



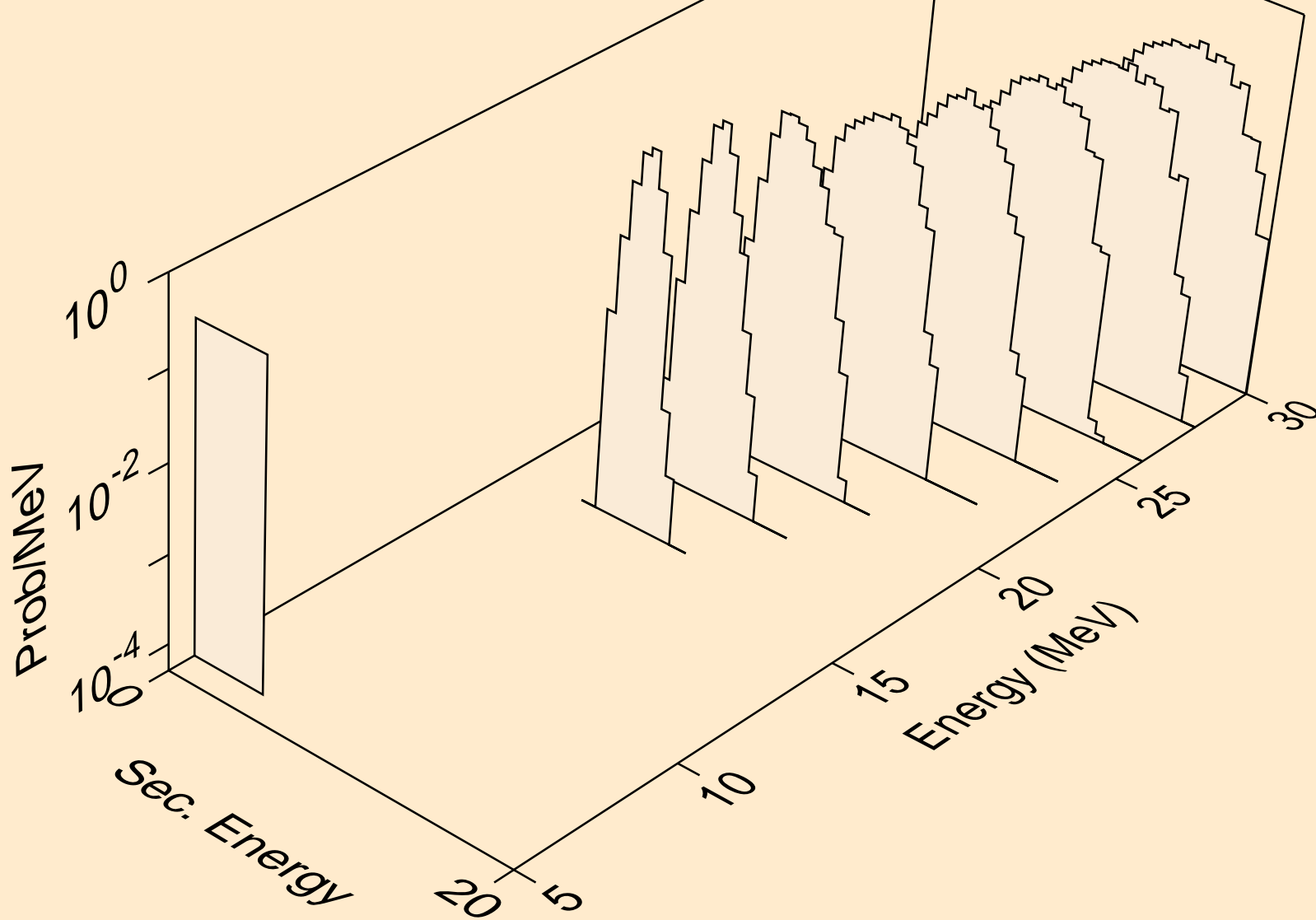
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



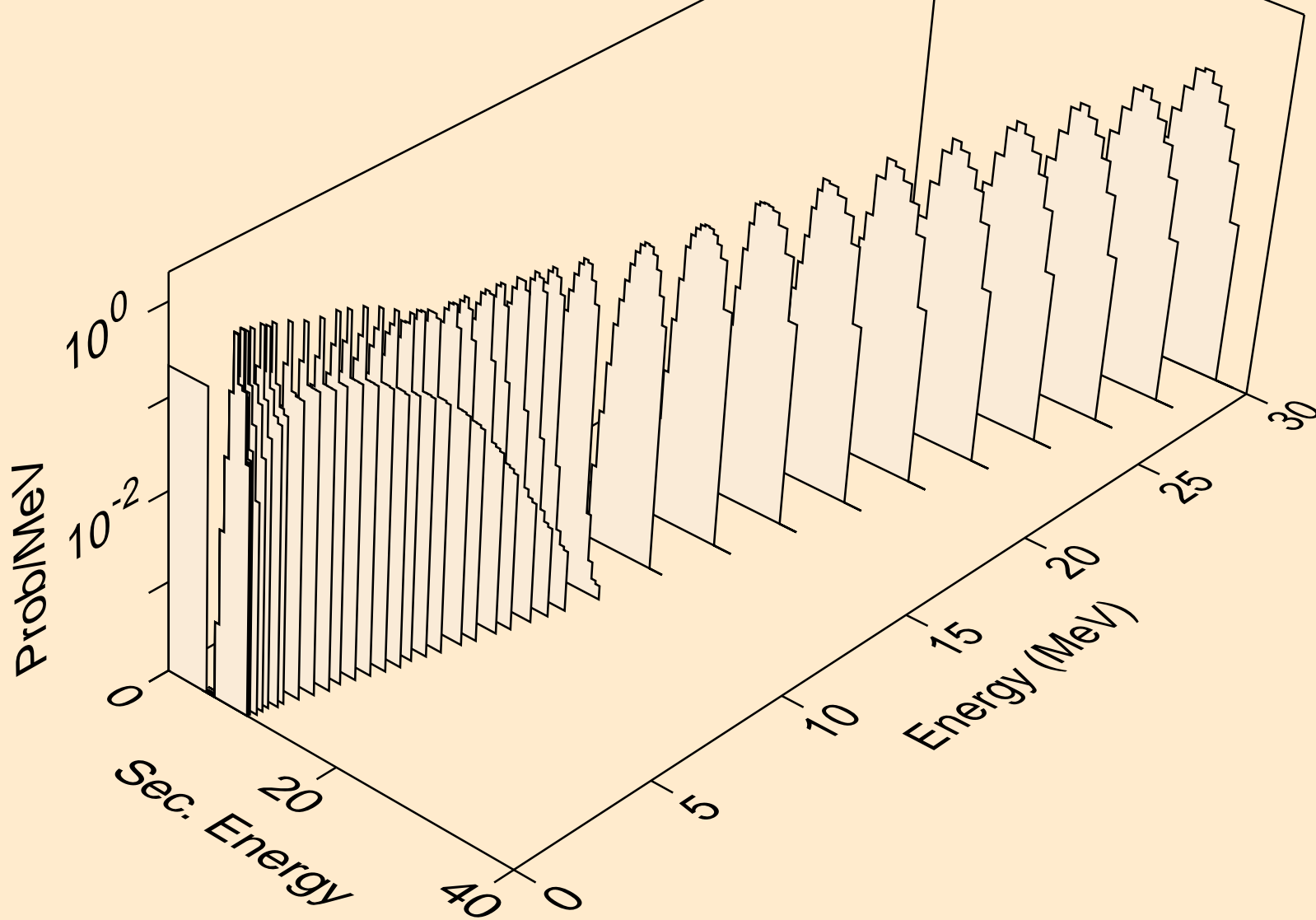
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



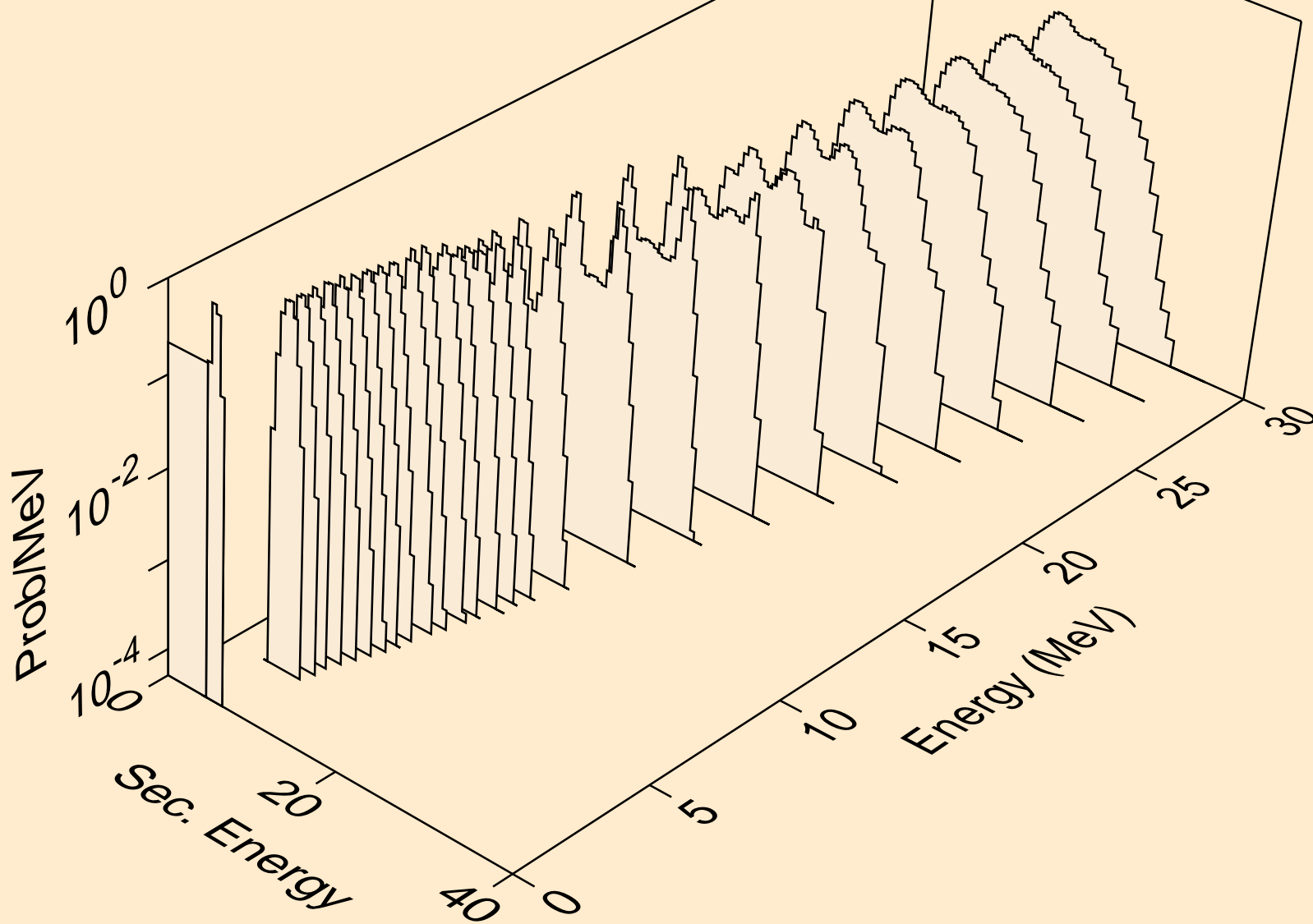
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



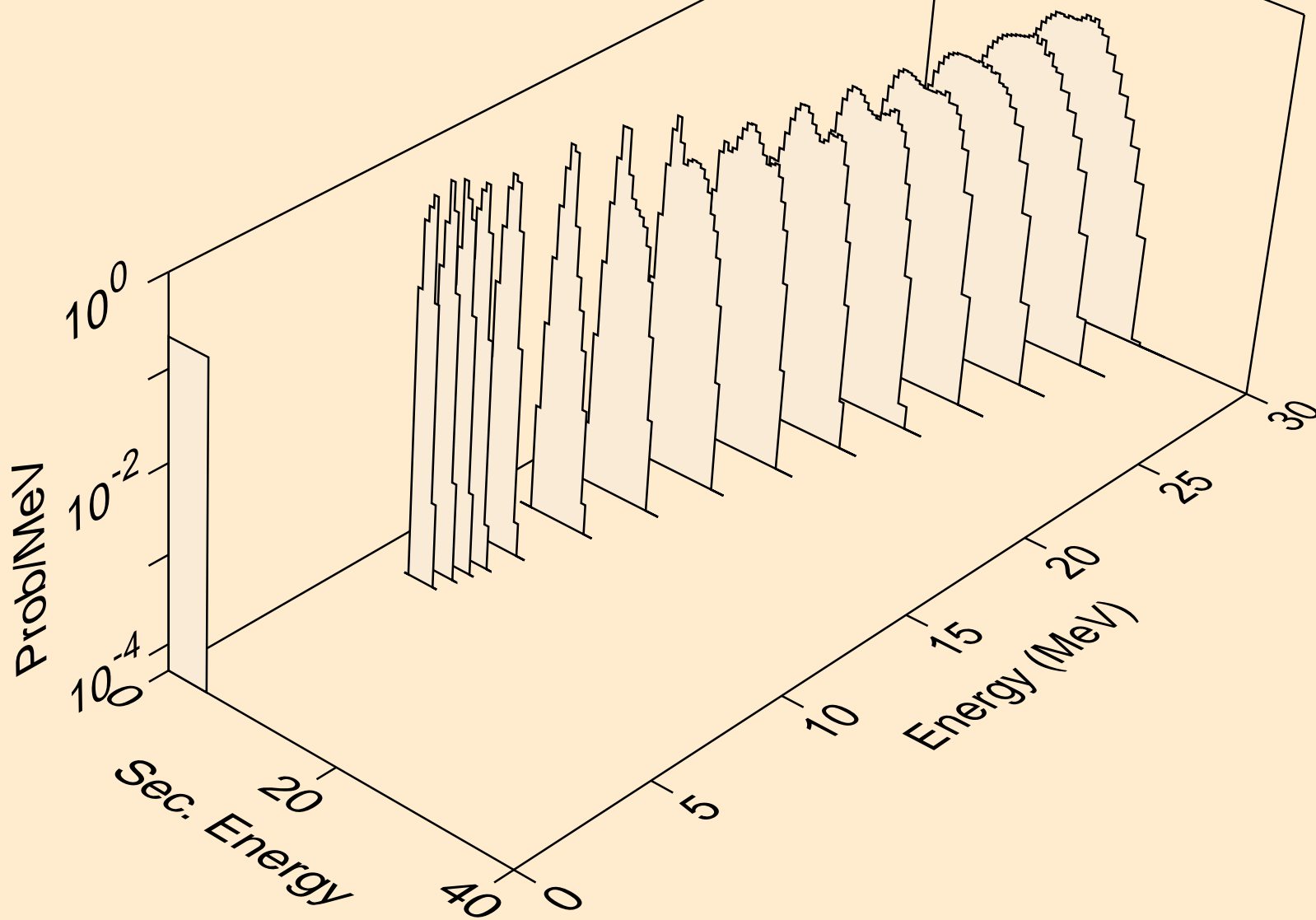
GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



GD153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

