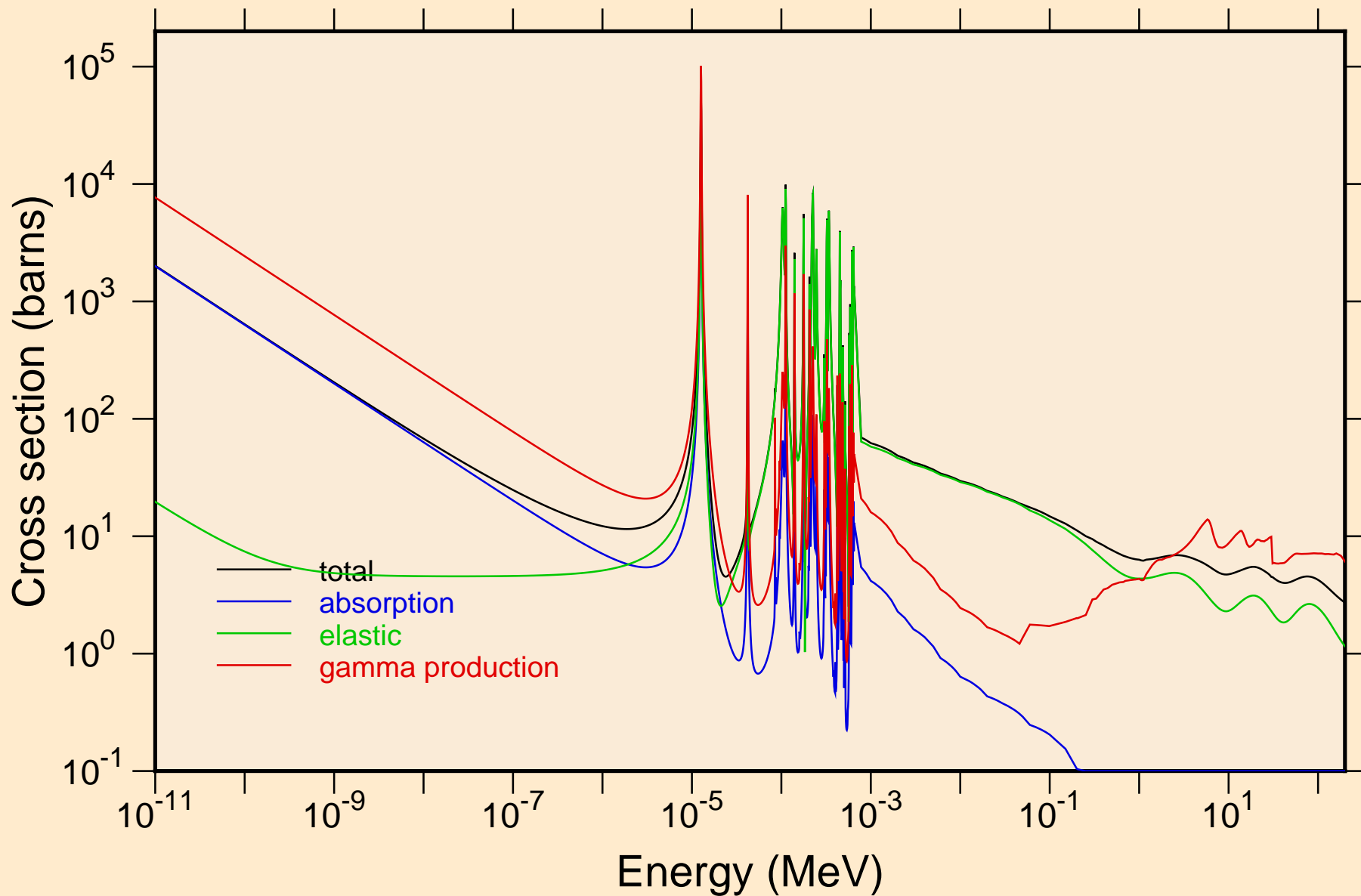
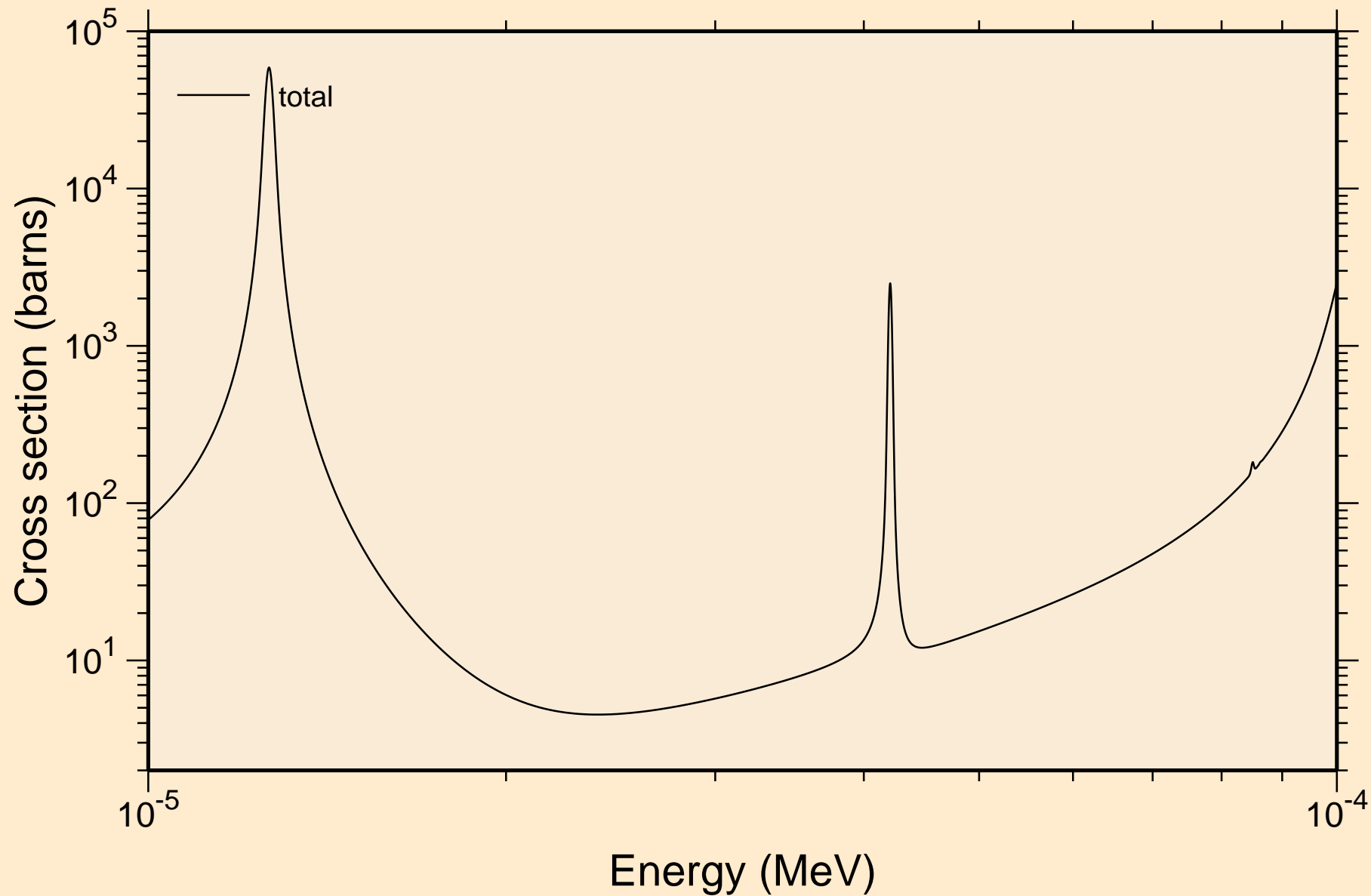


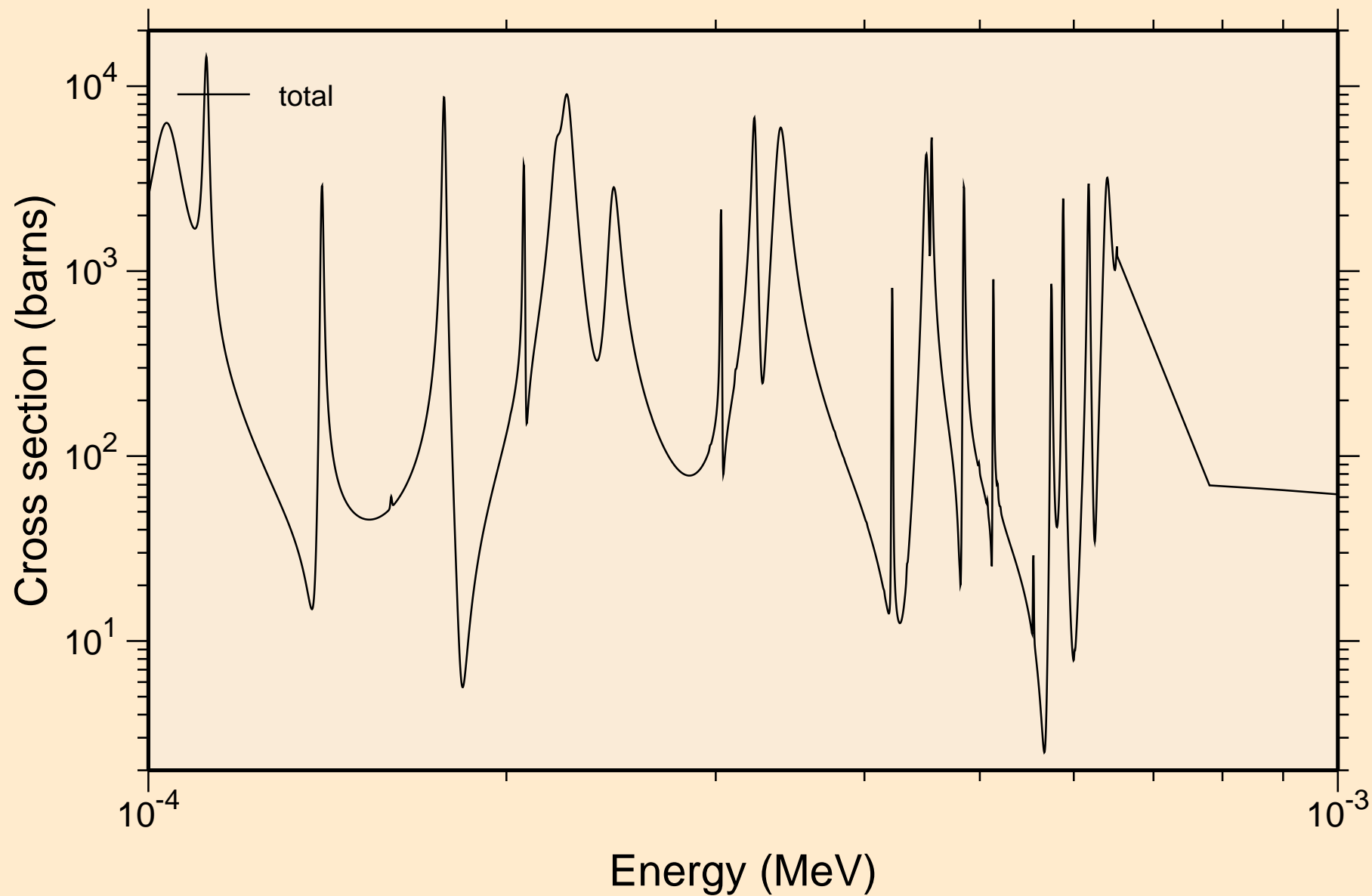
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



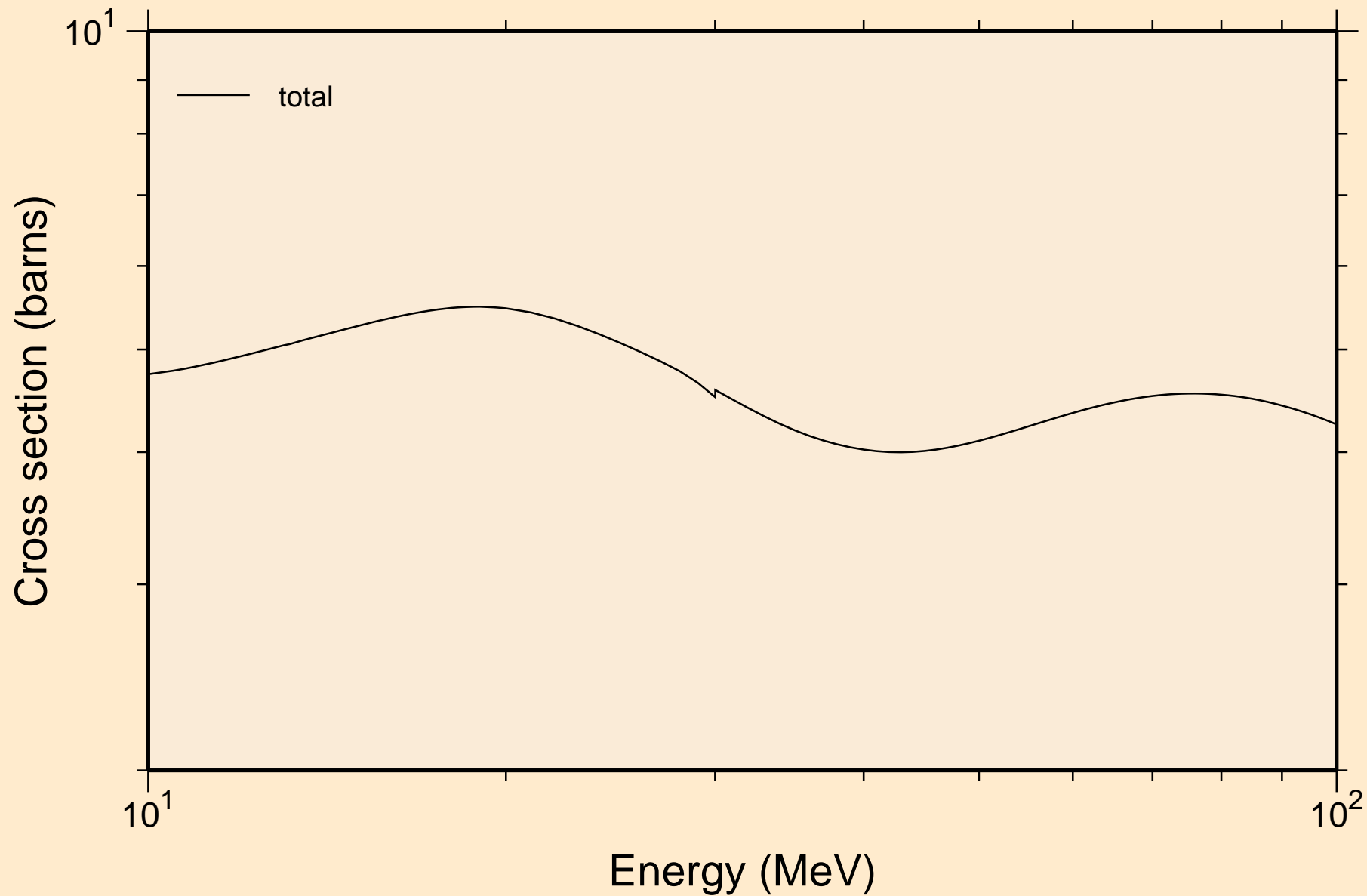
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



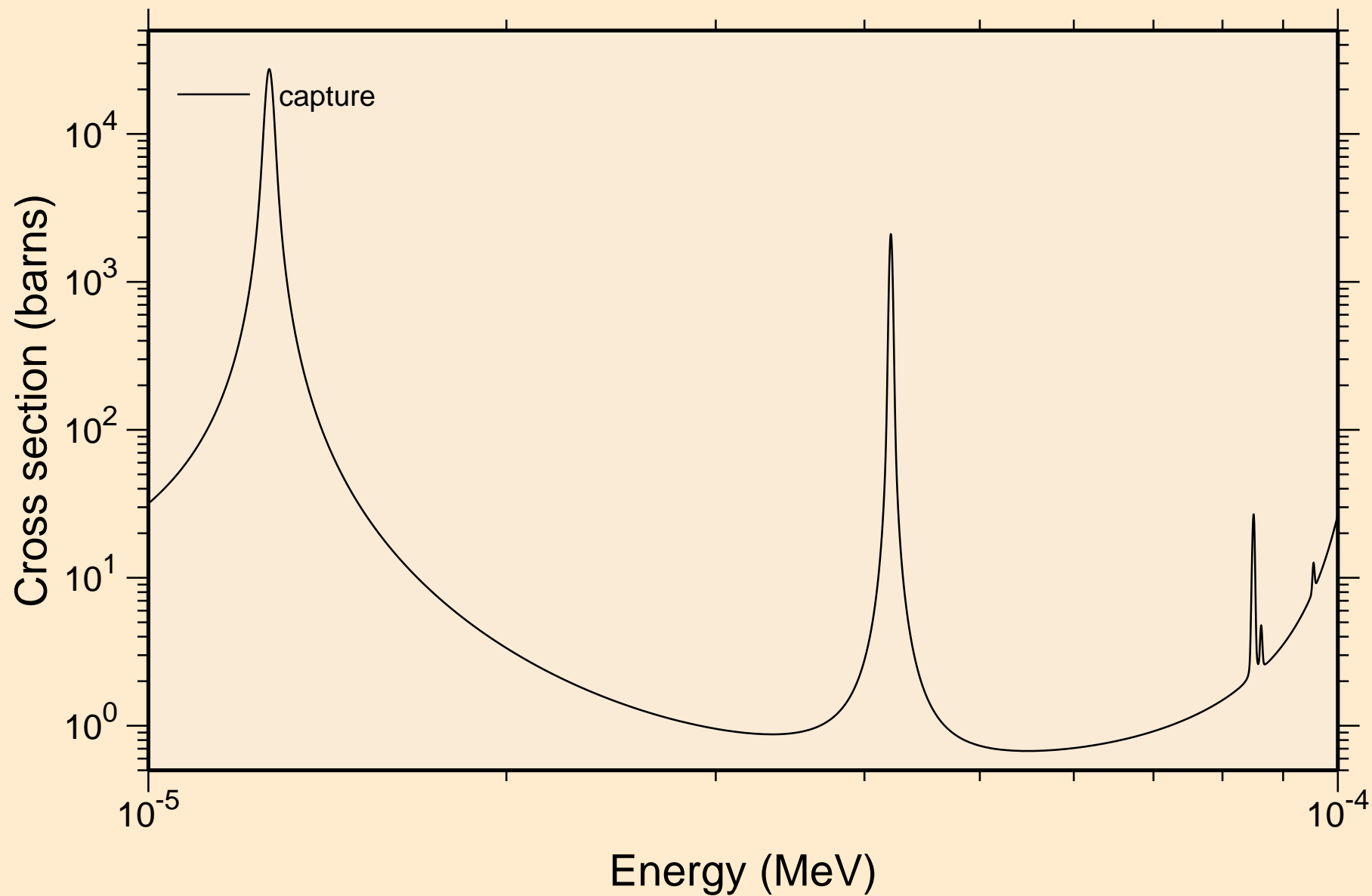
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



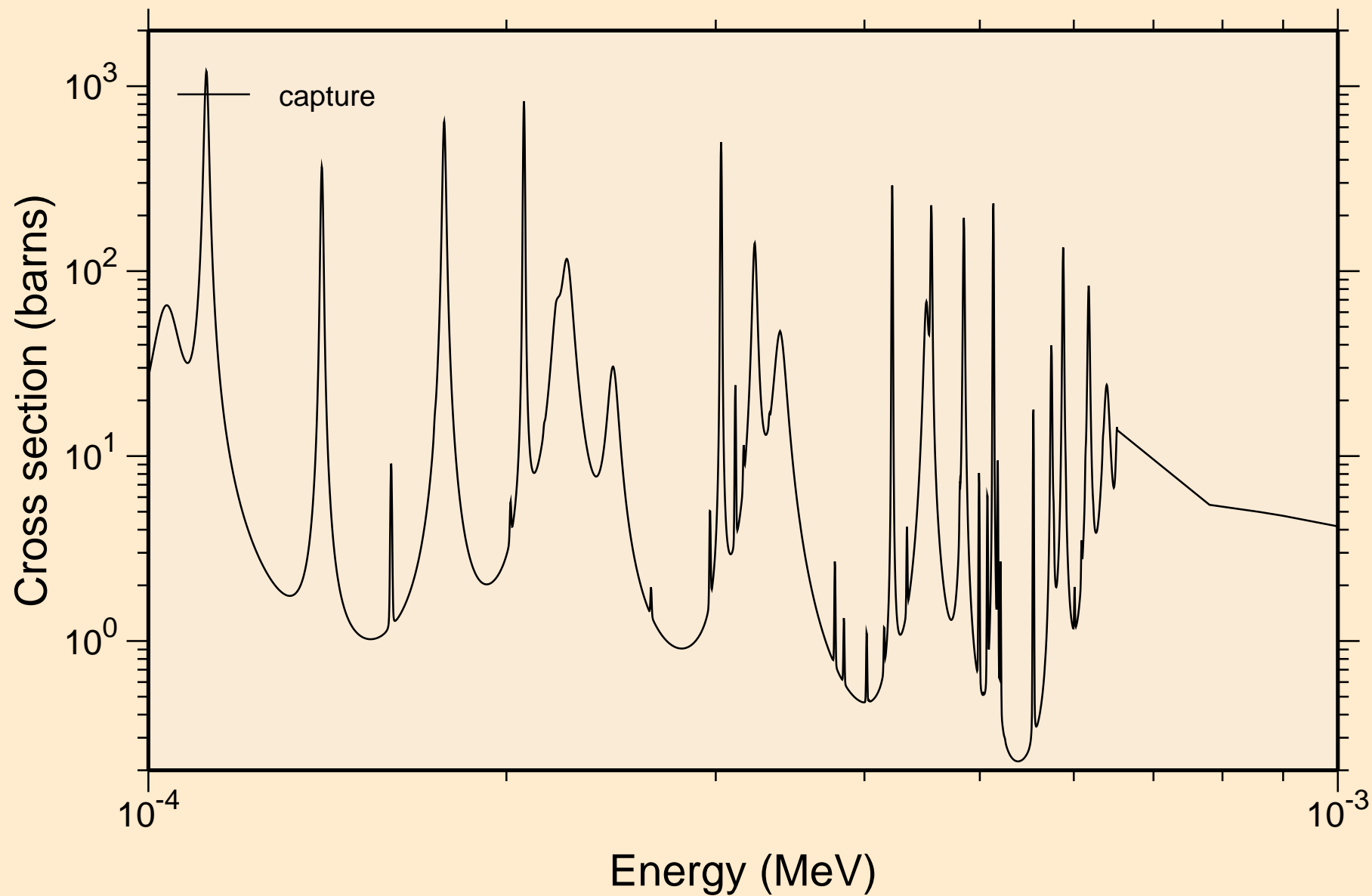
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



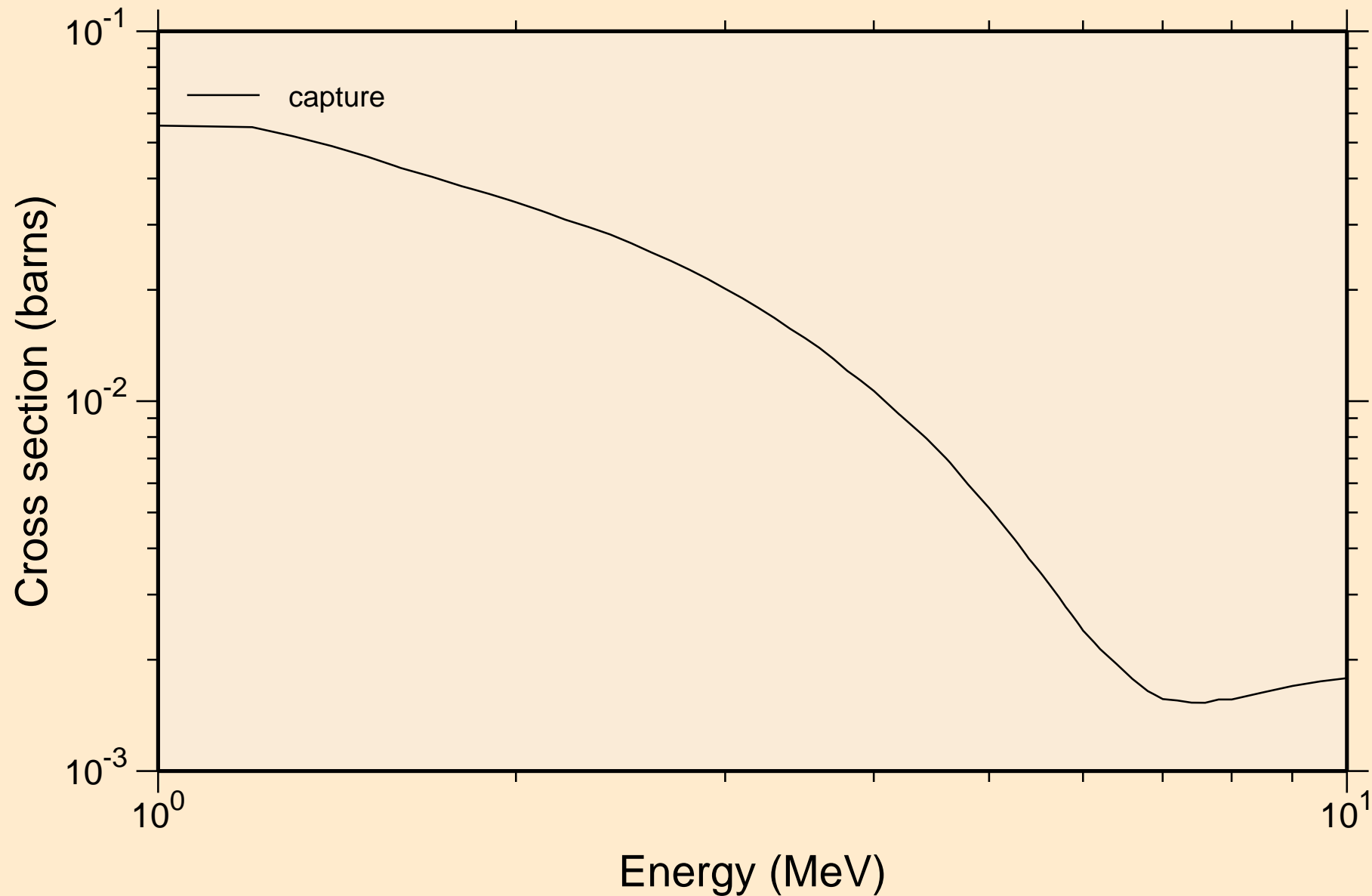
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



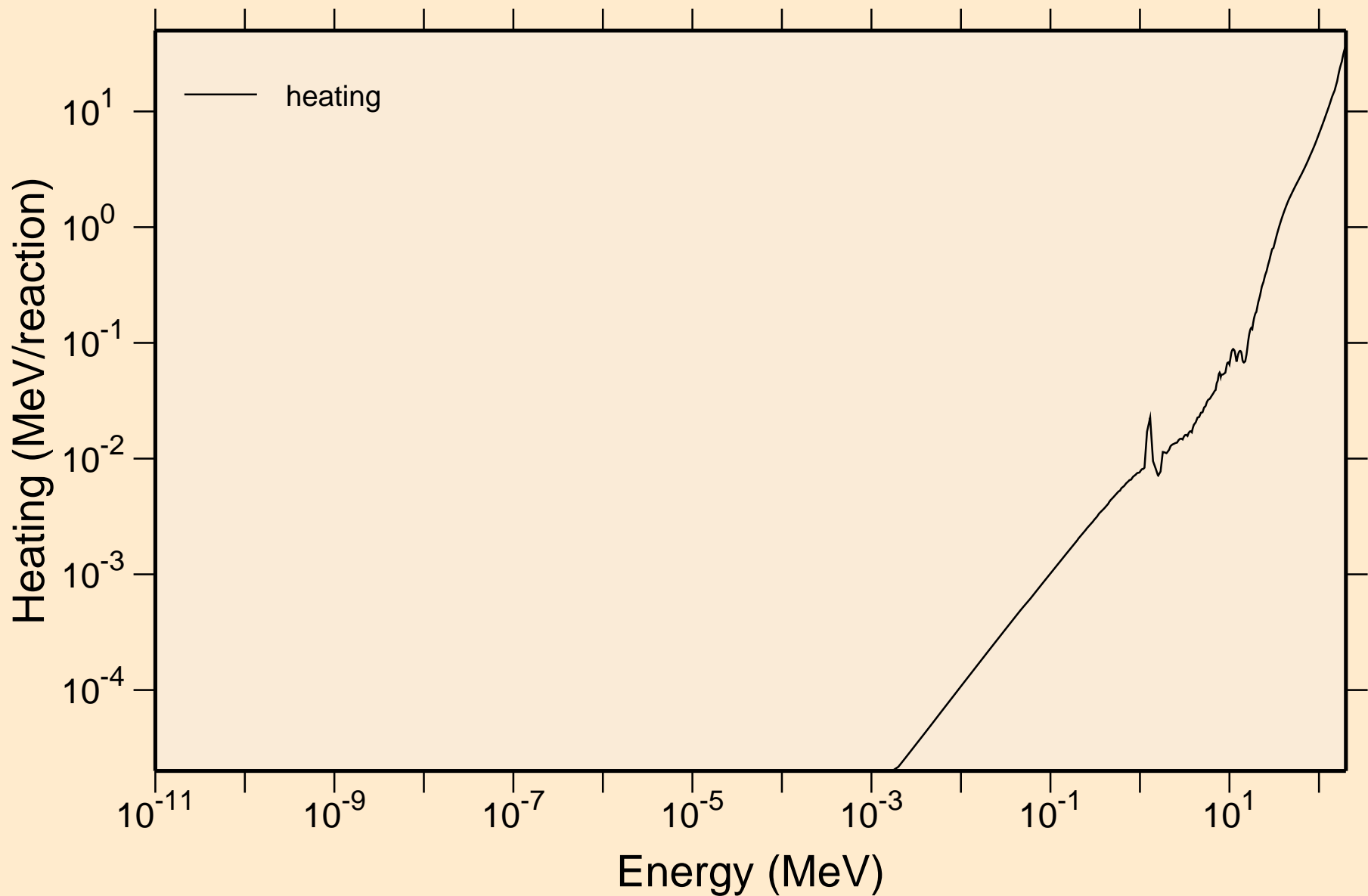
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections

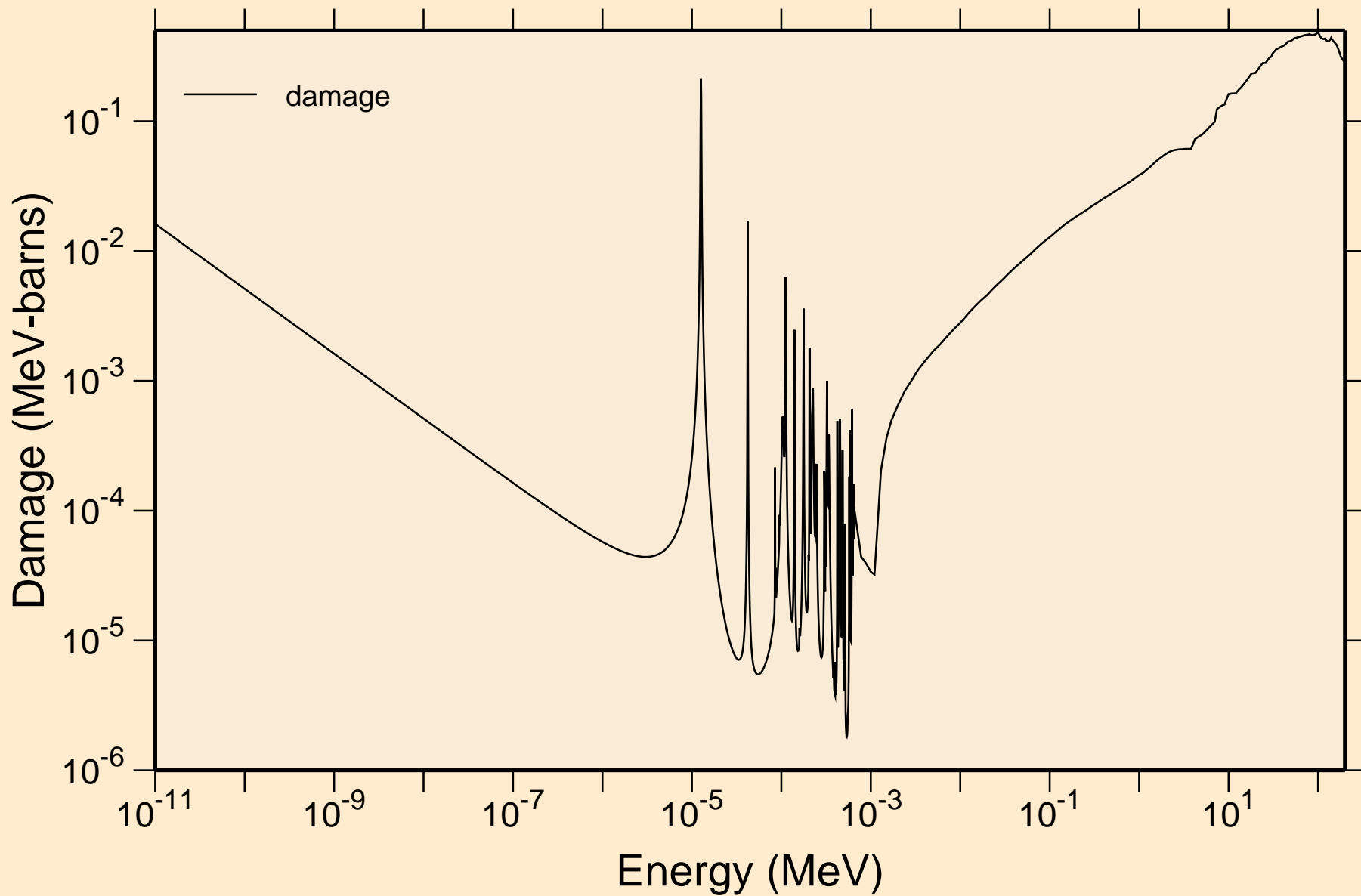


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



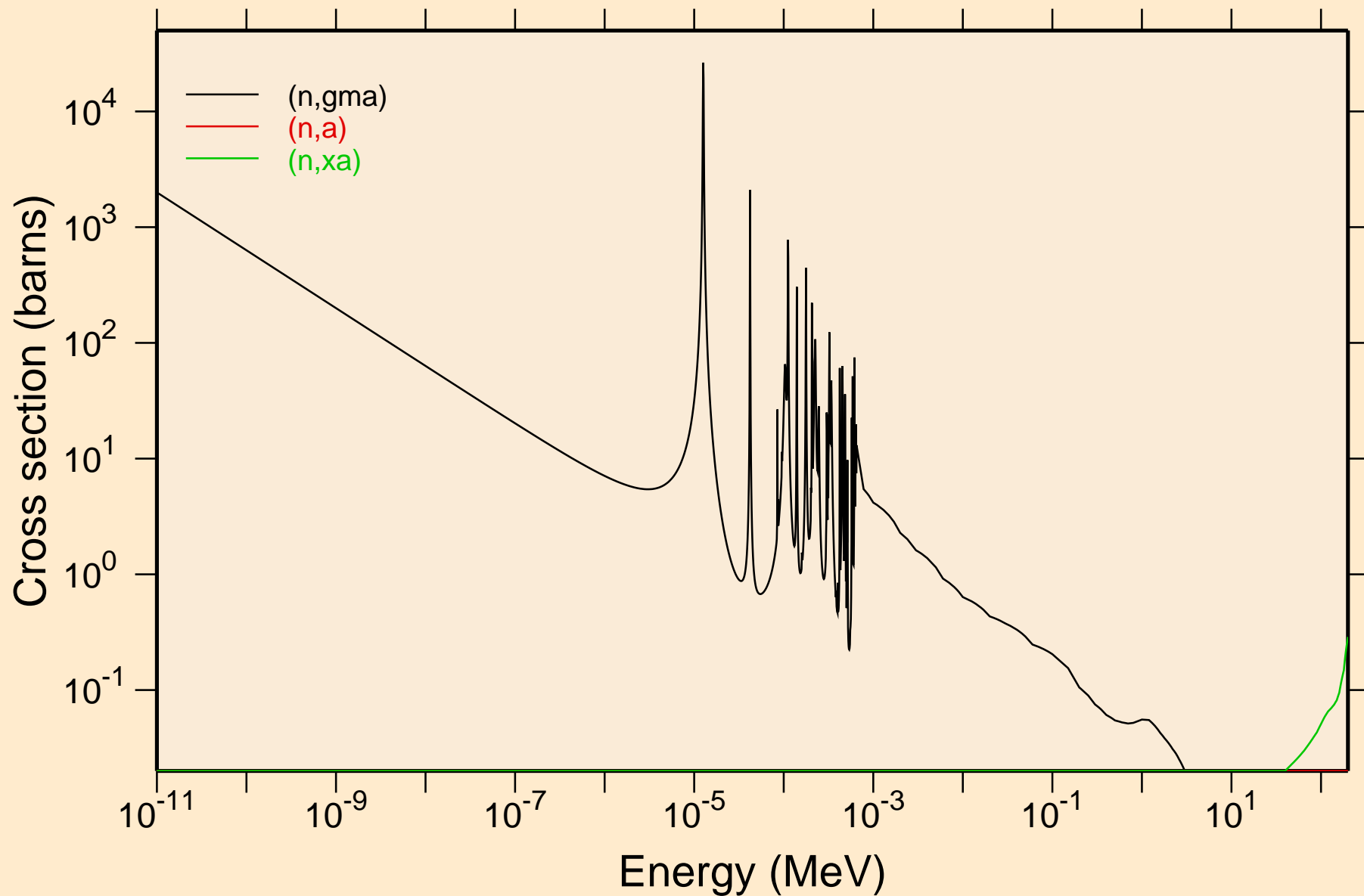
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Damage



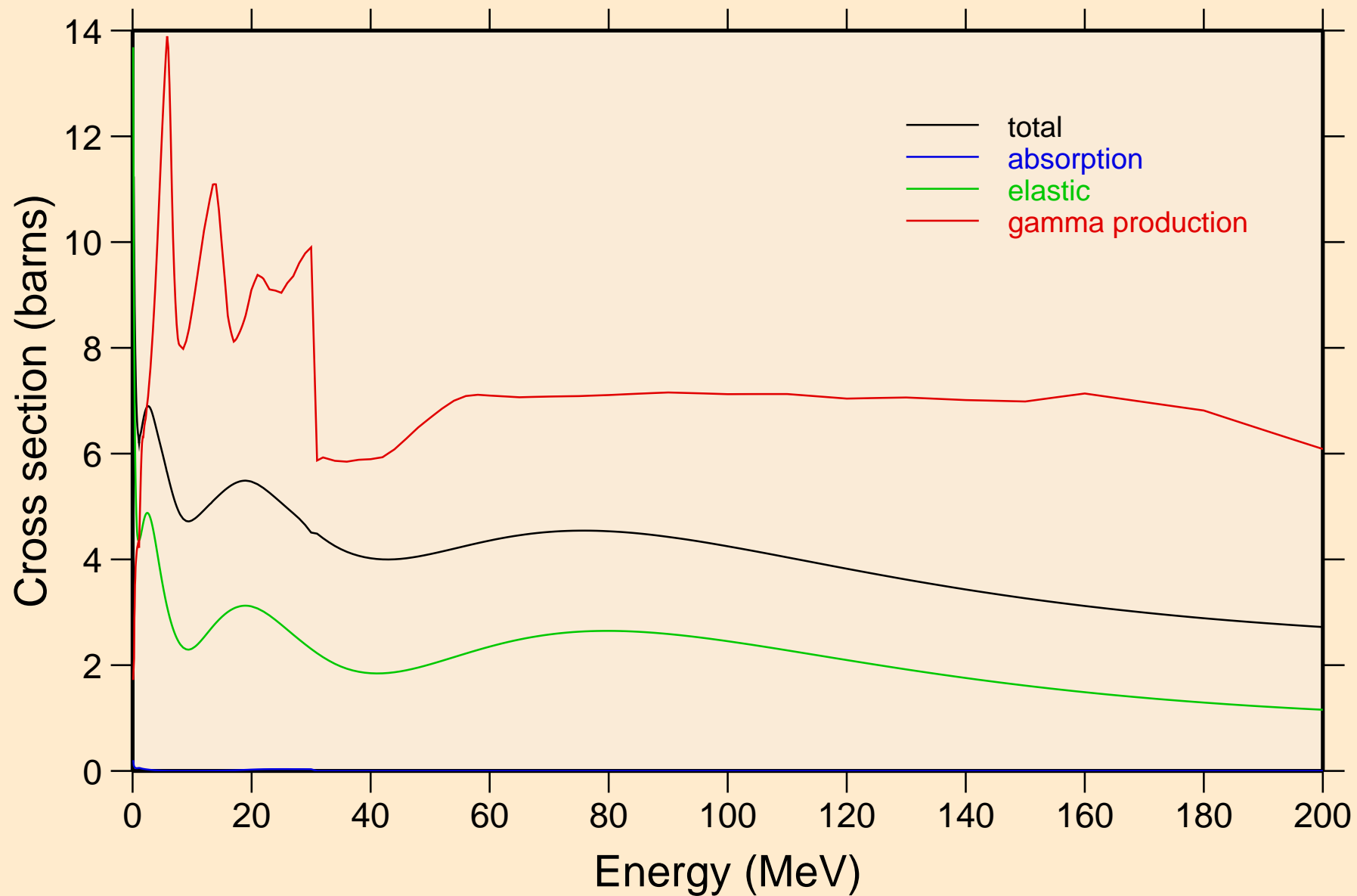
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

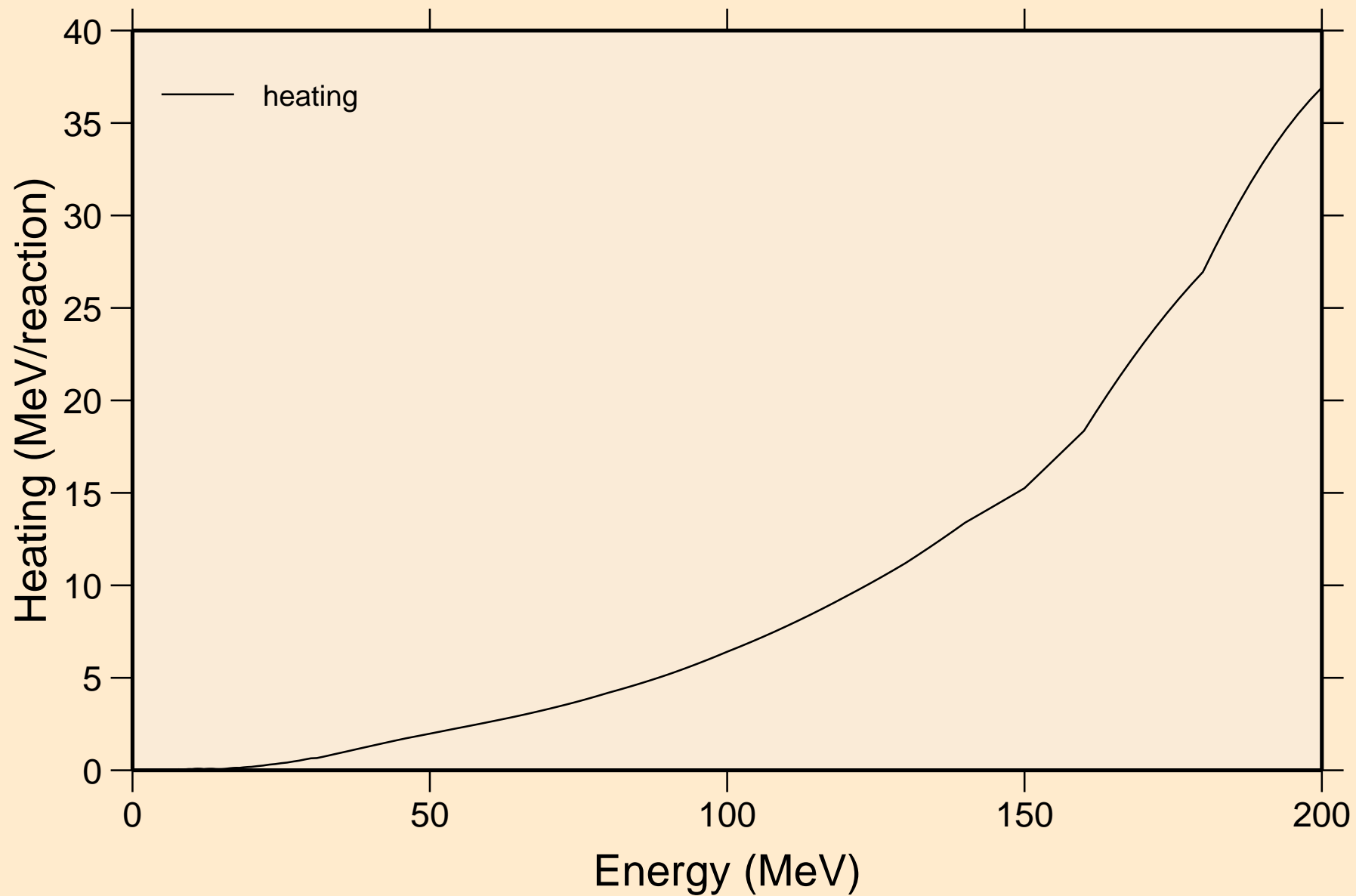


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

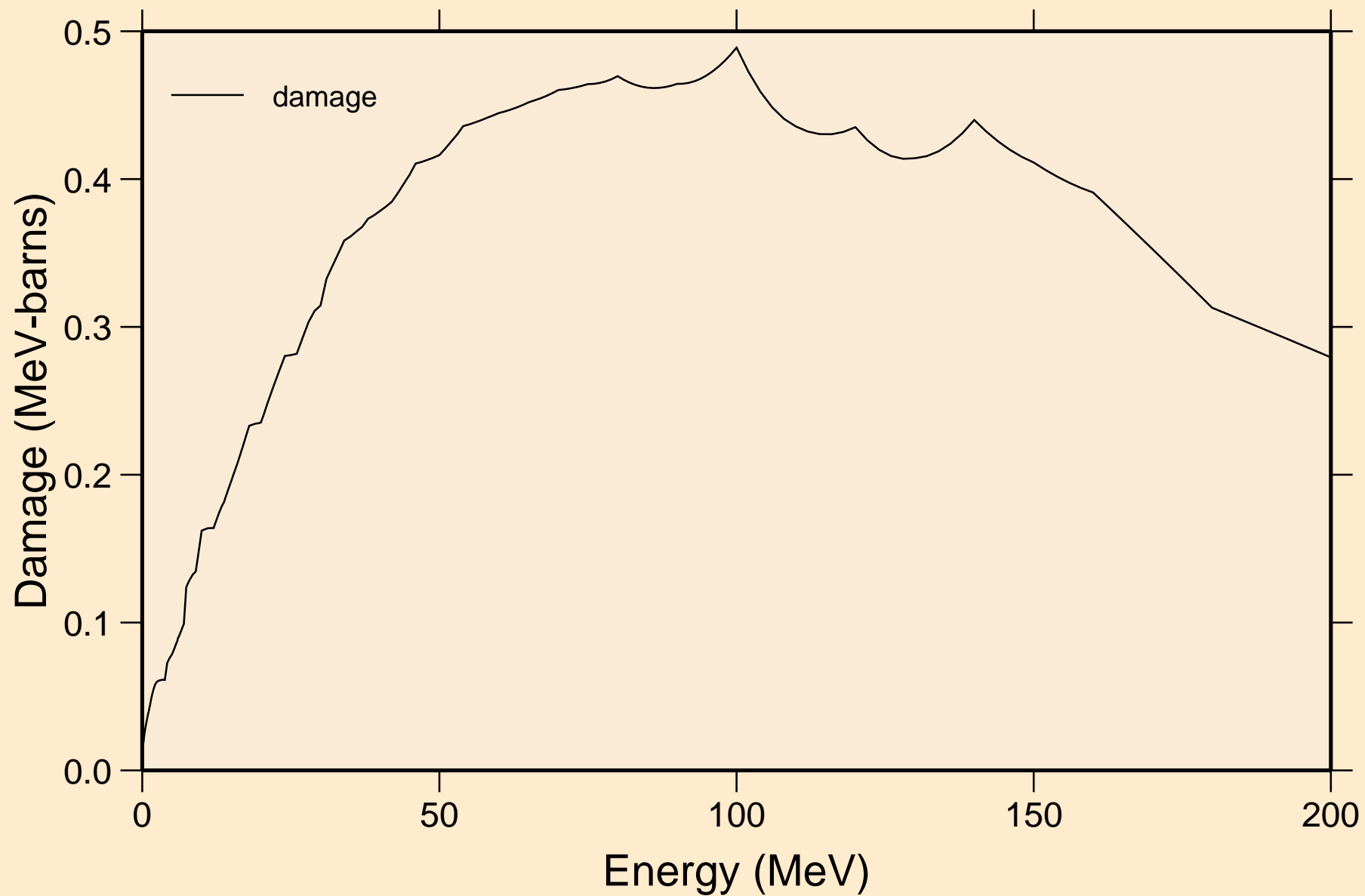
Principal cross sections



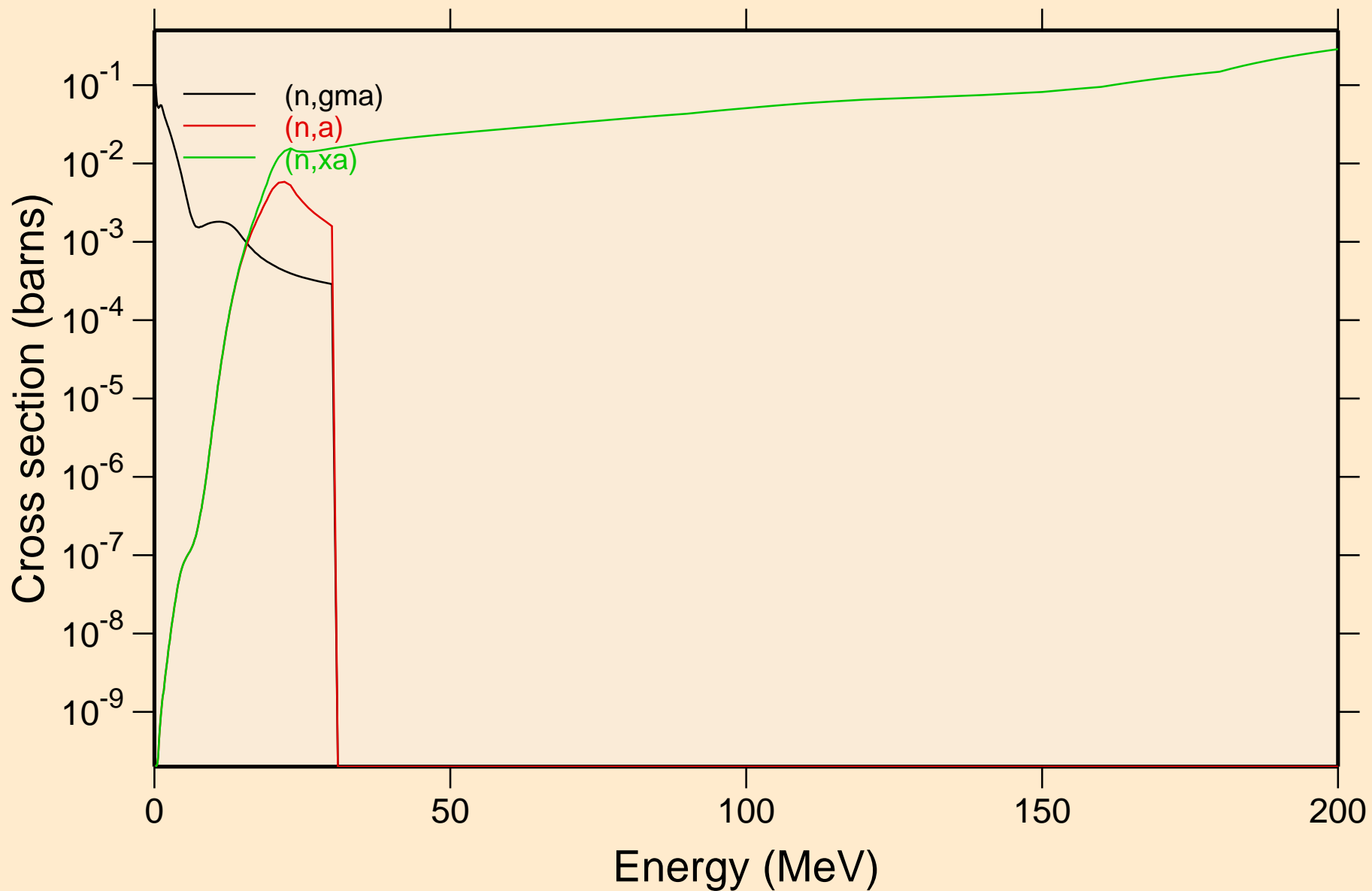
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



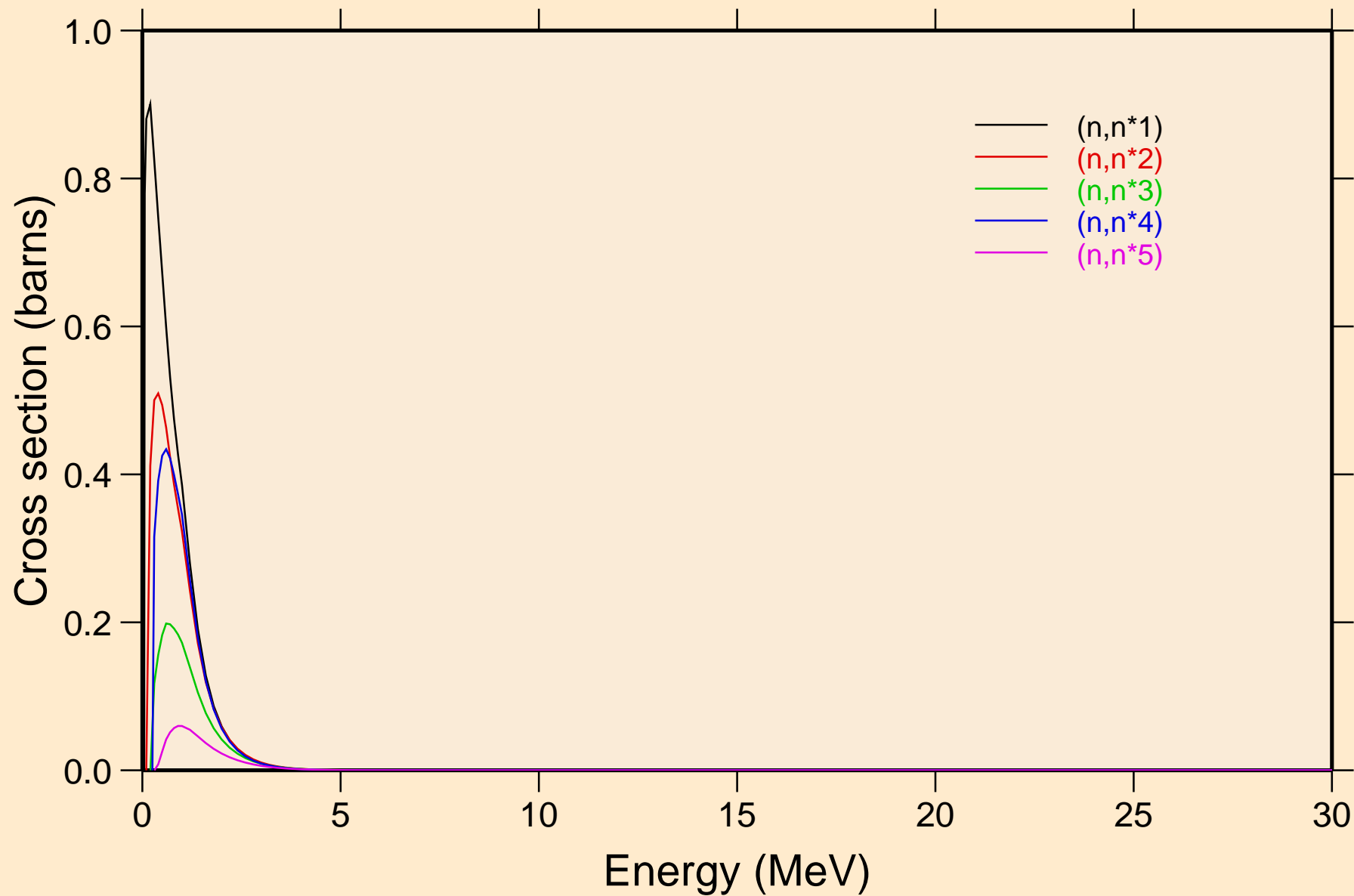
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



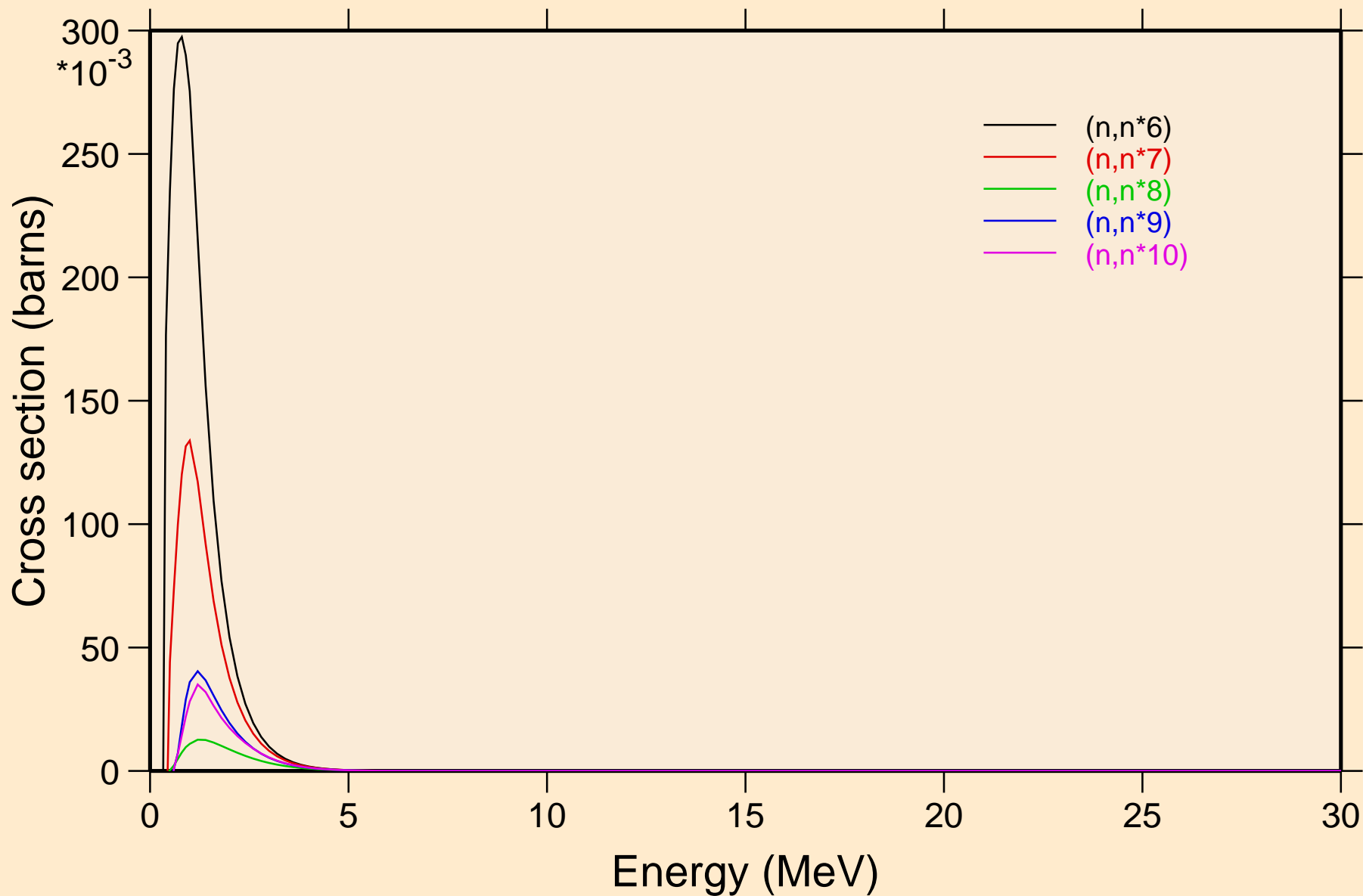
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



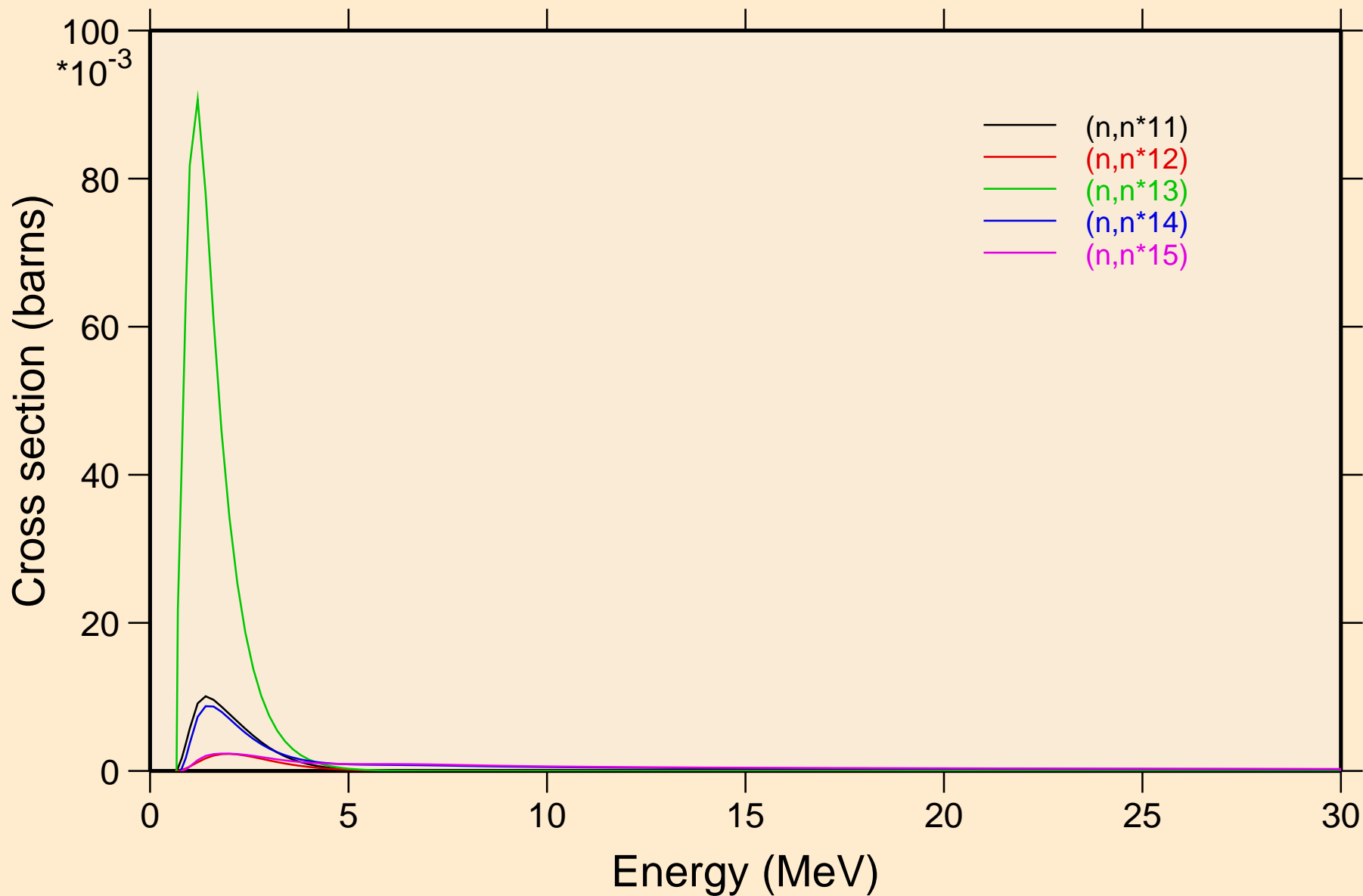
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



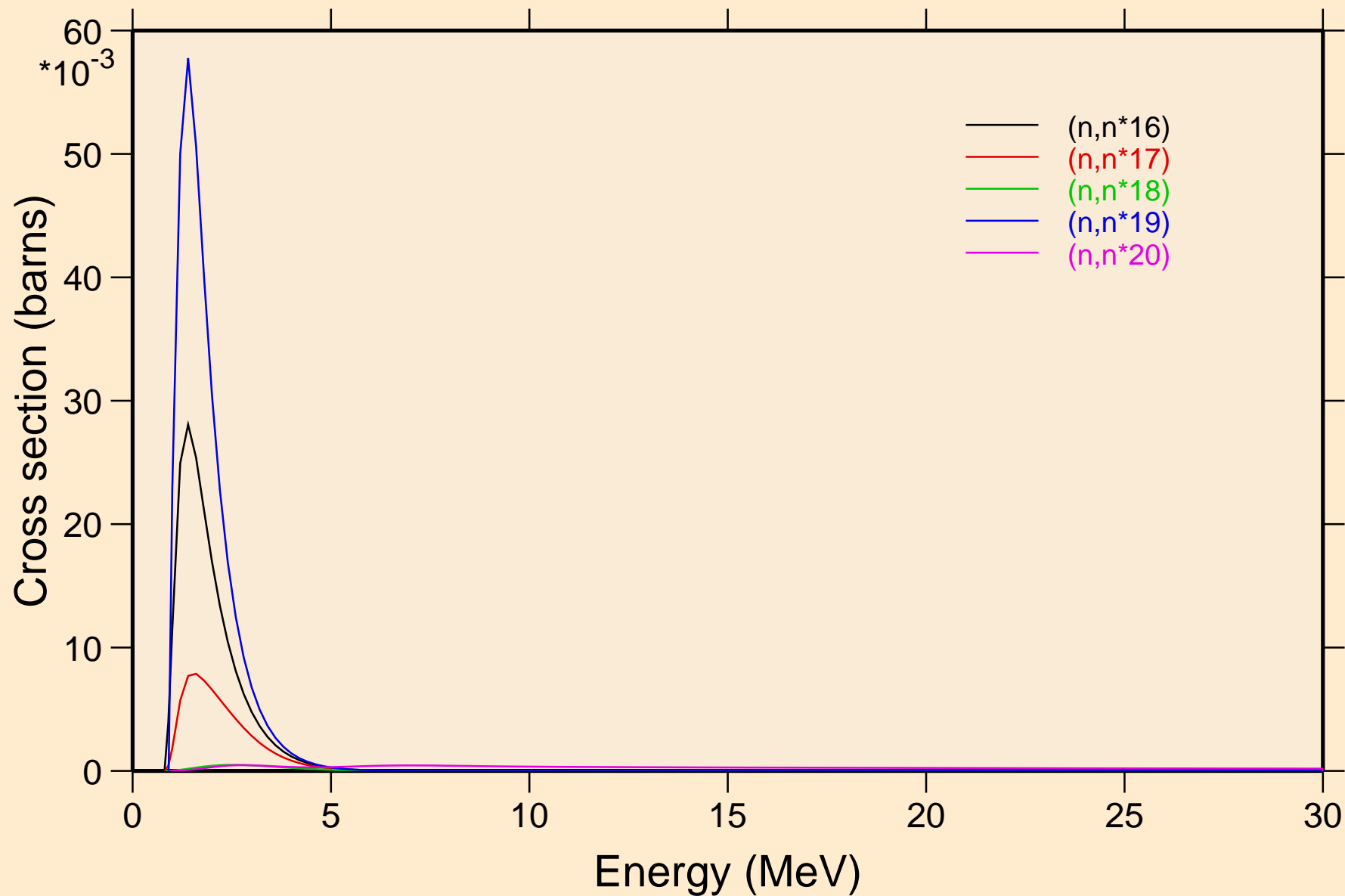
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



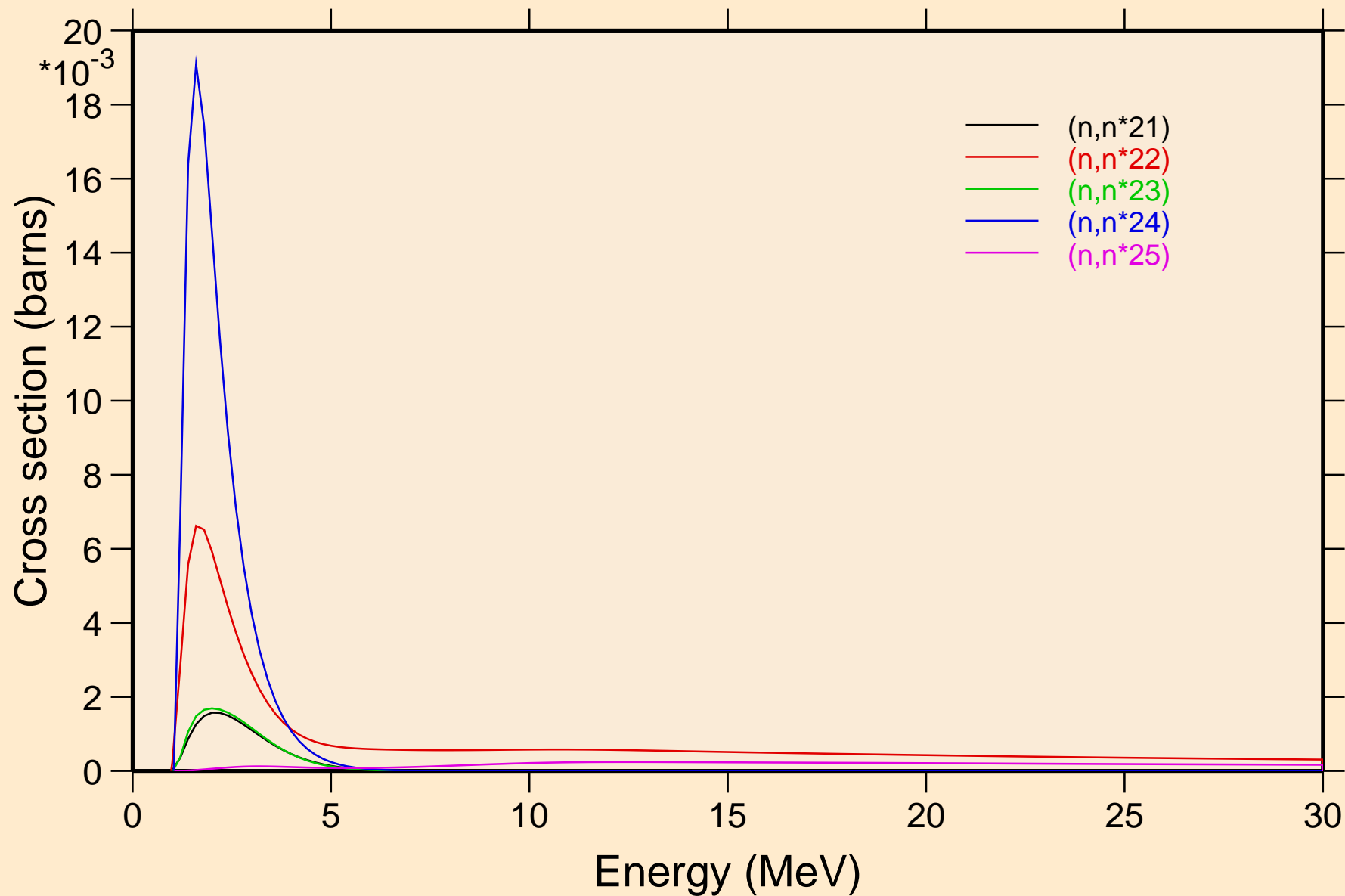
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



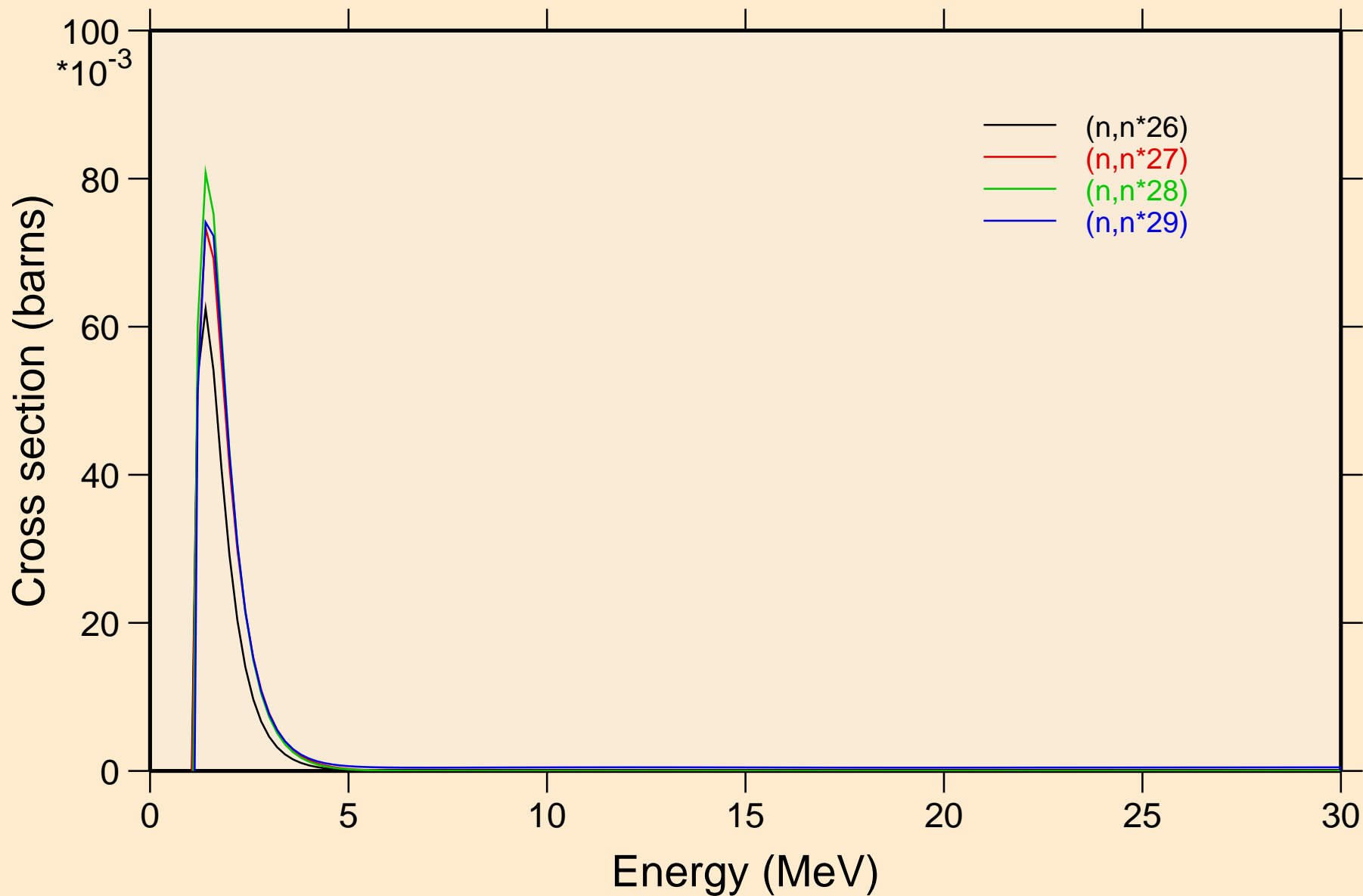
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

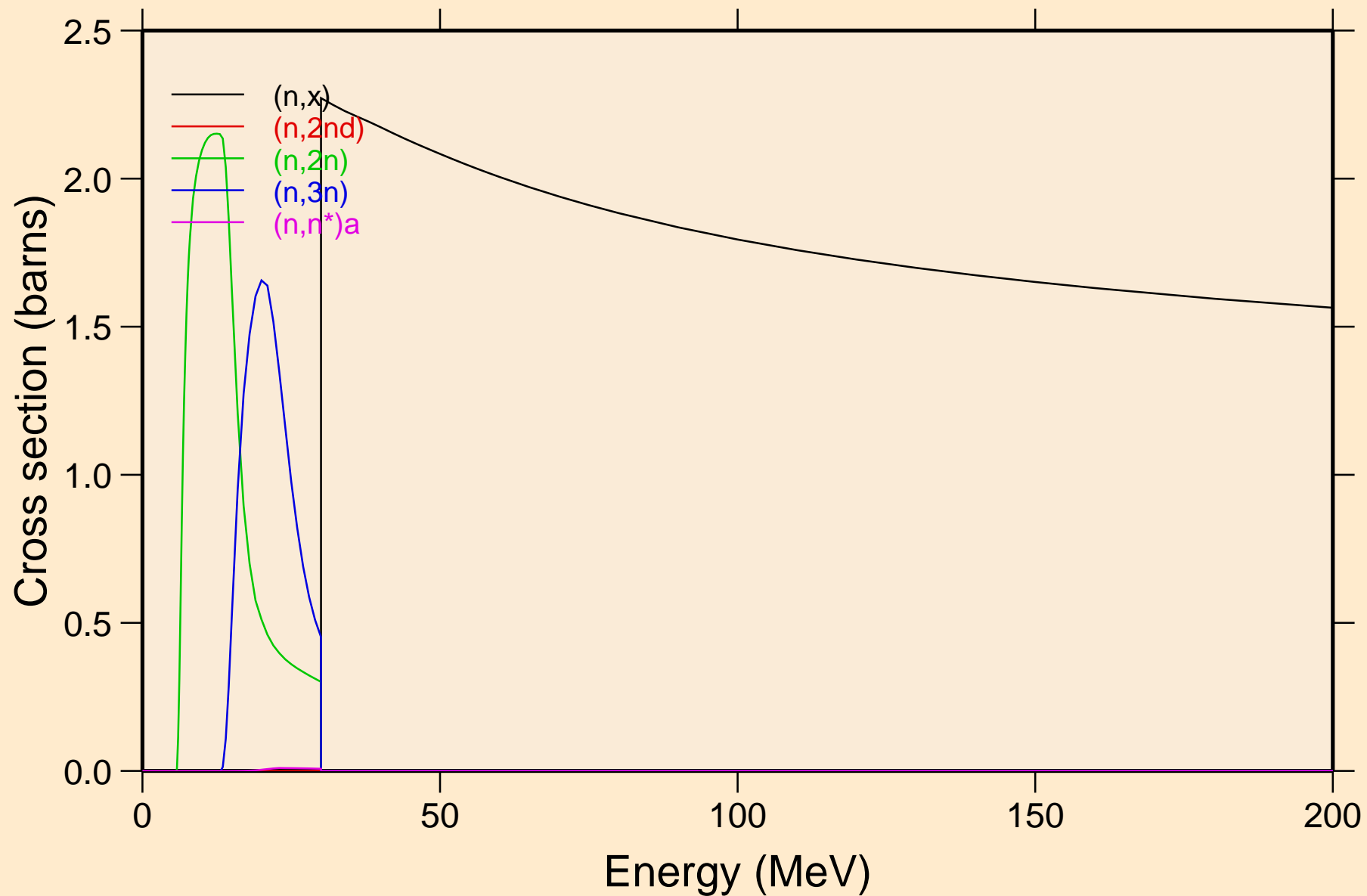


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



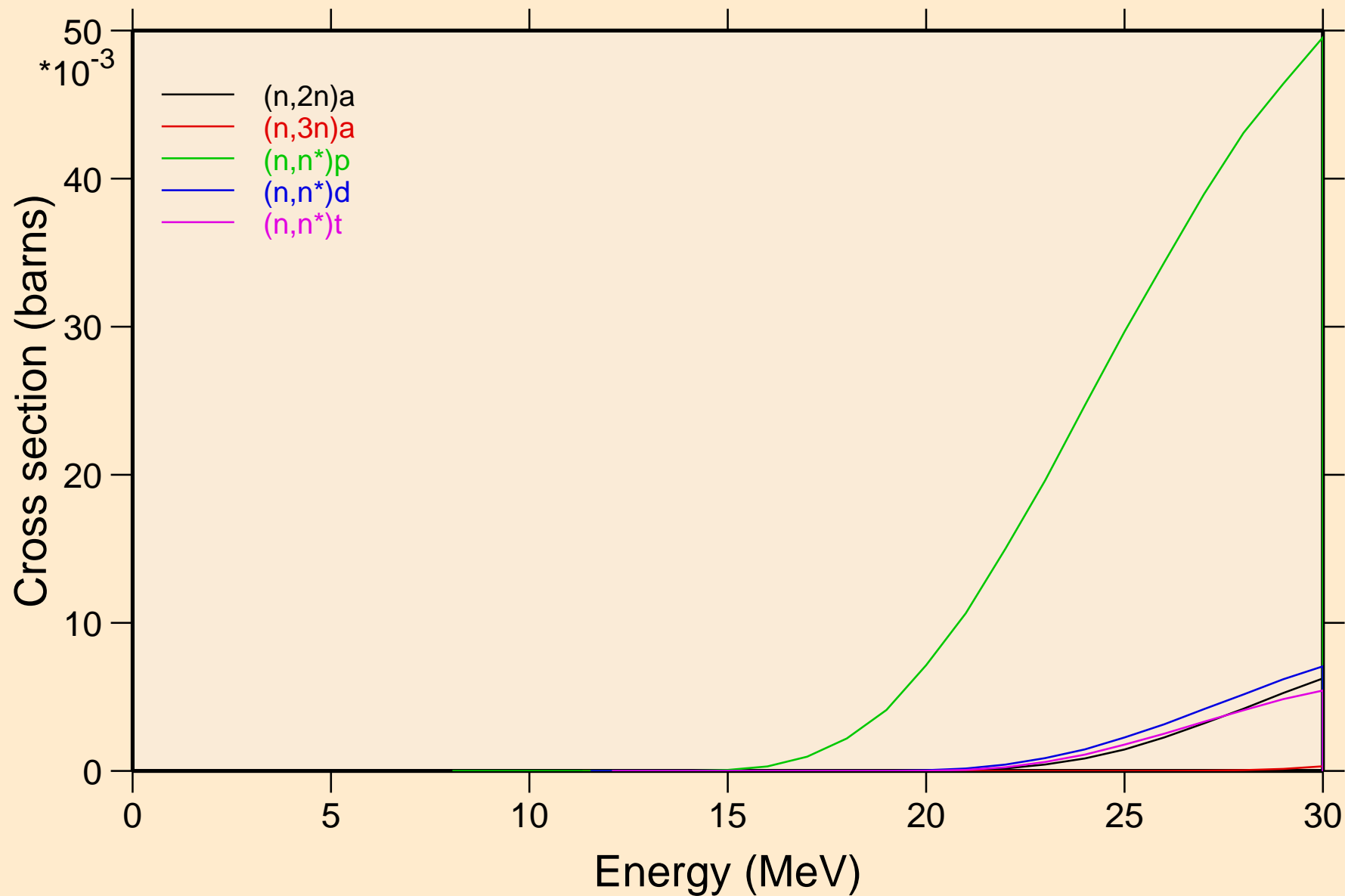
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

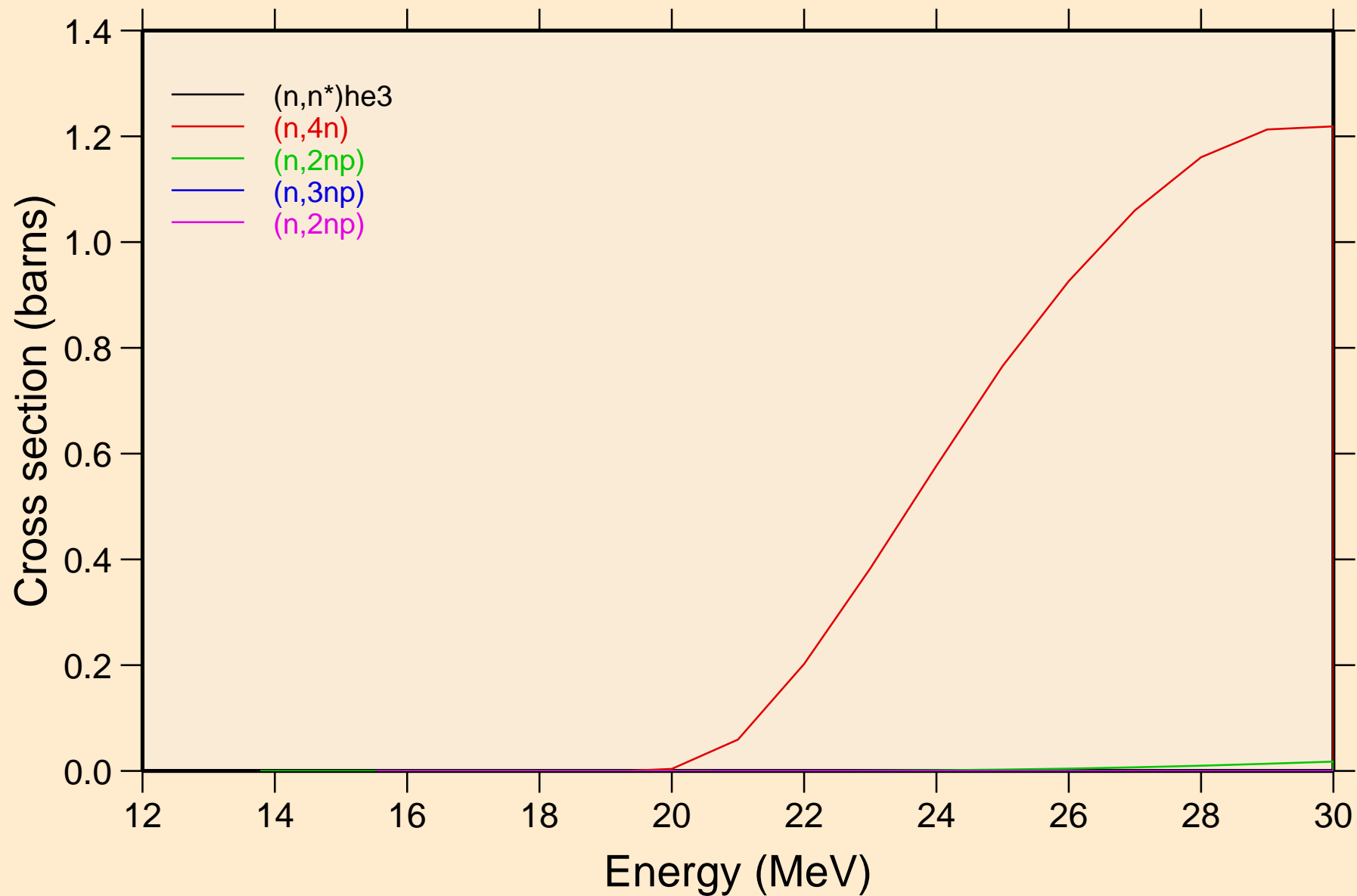


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

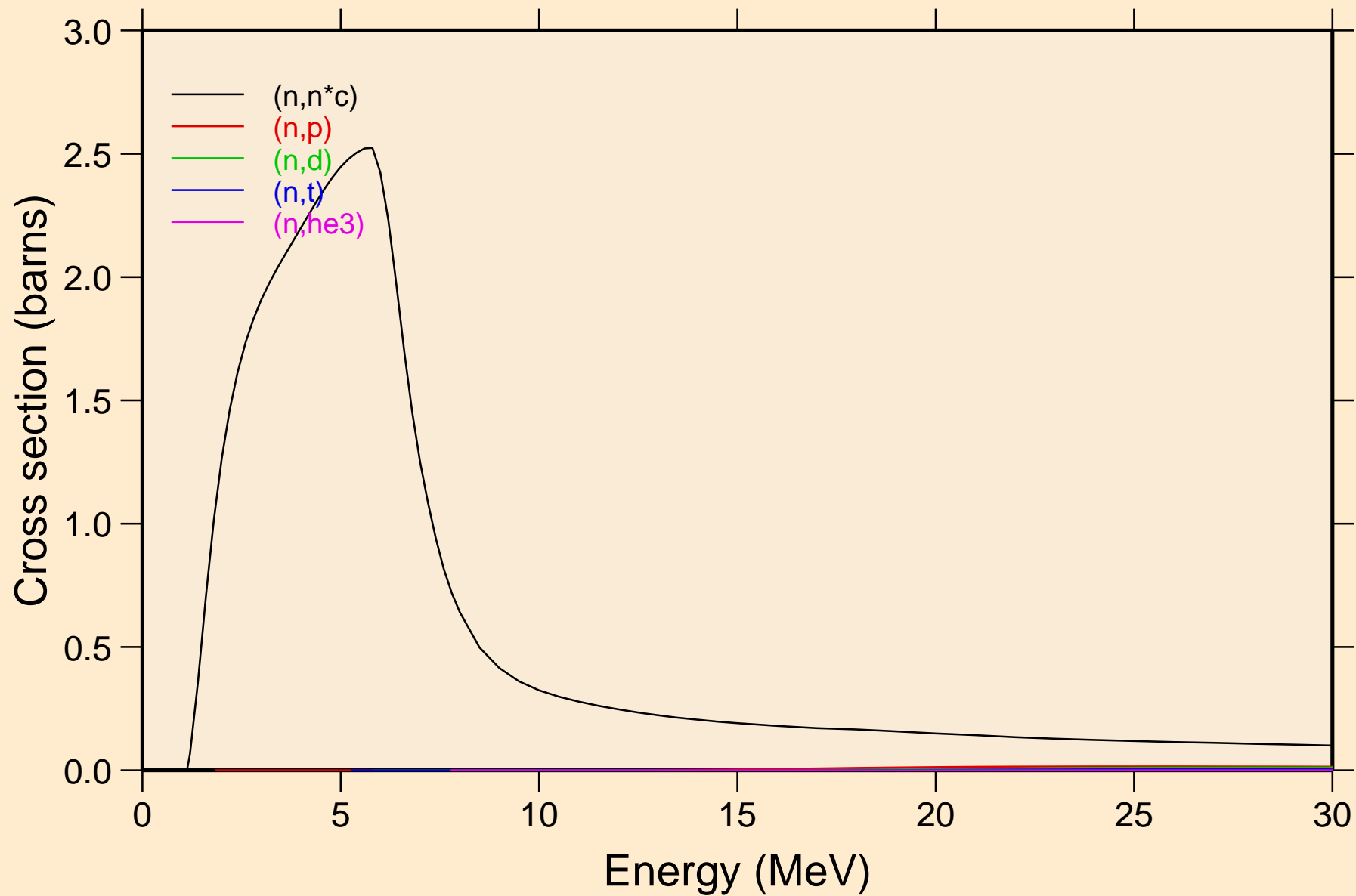
Threshold reactions



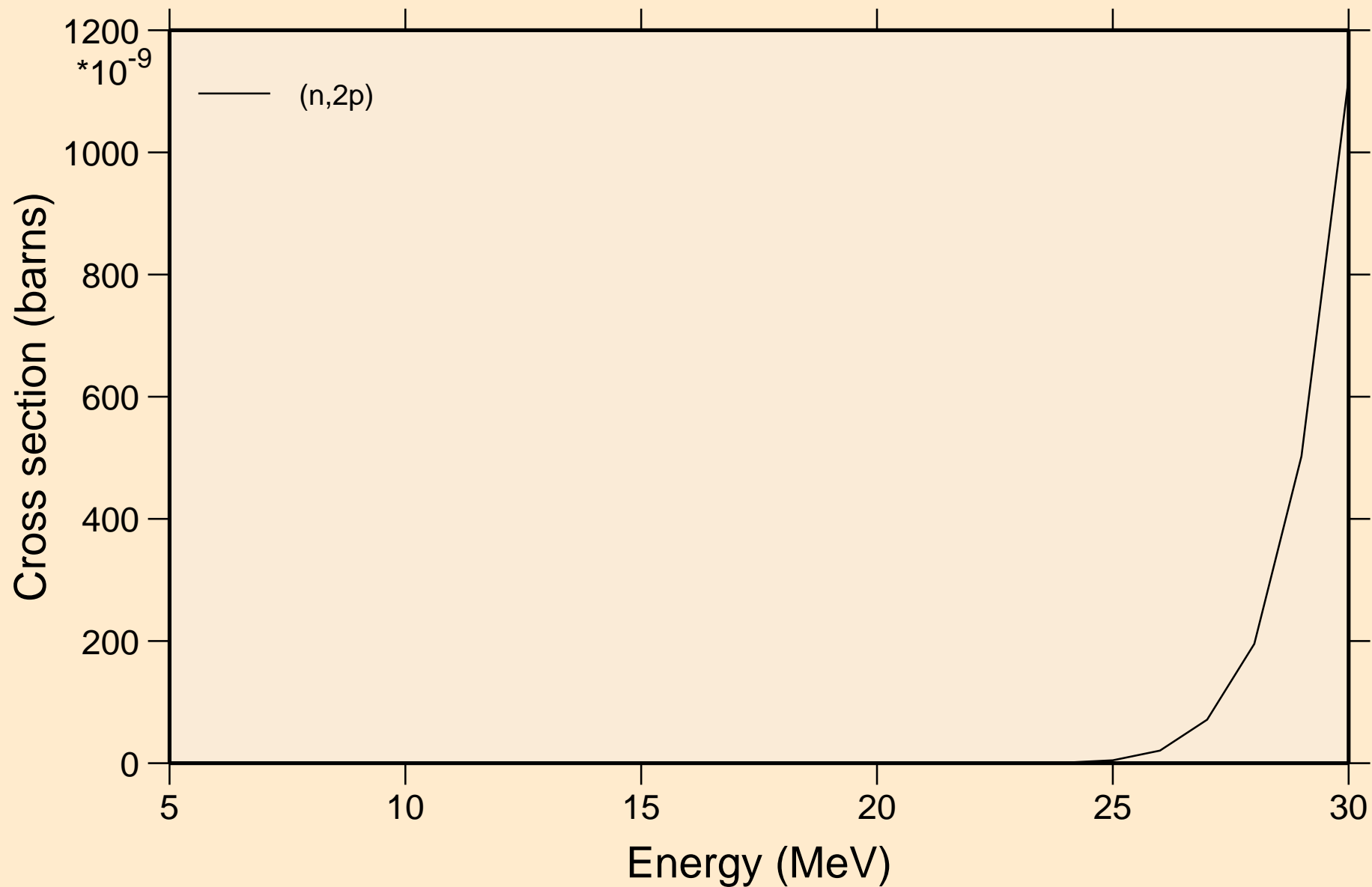
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

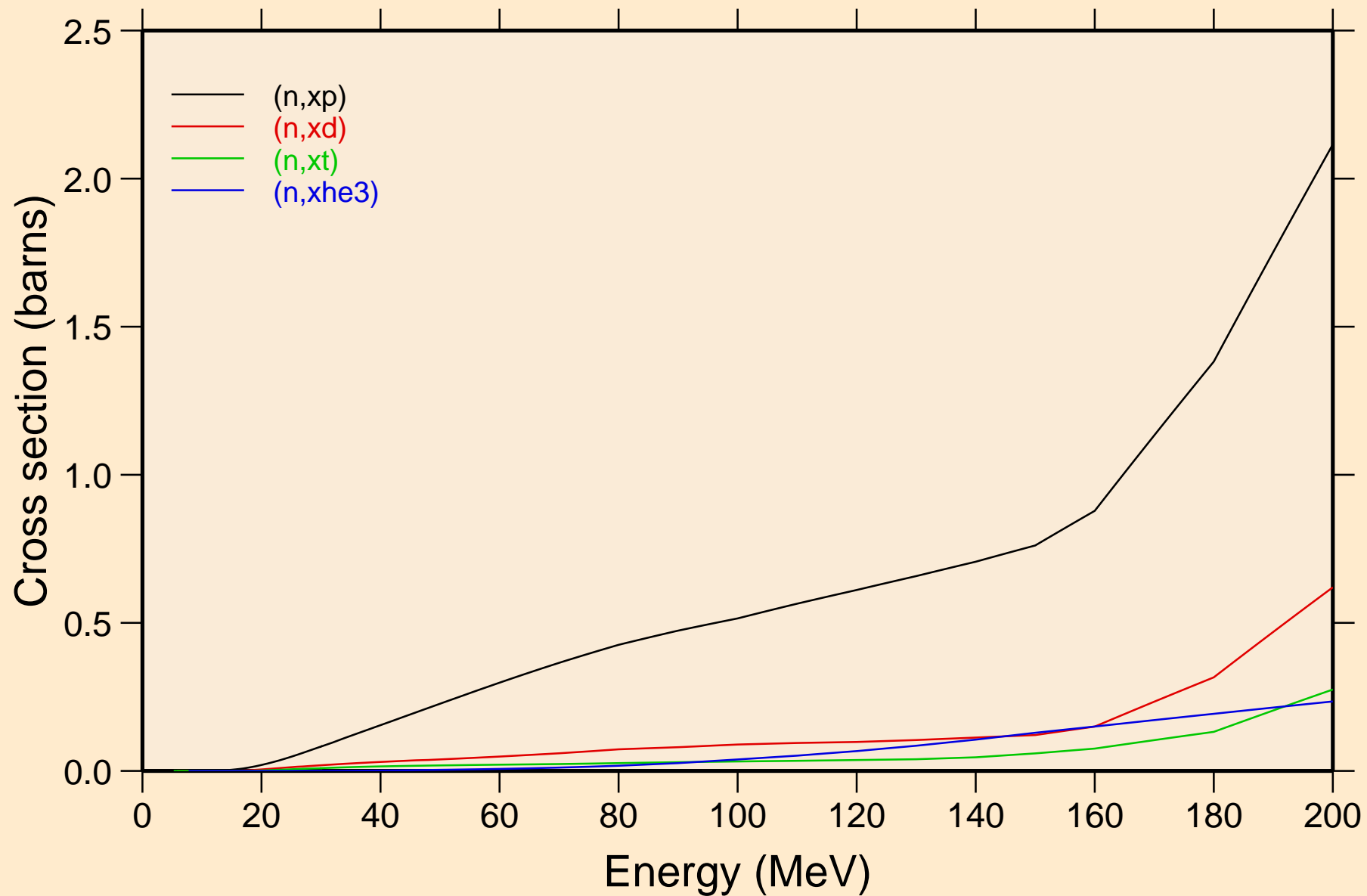


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

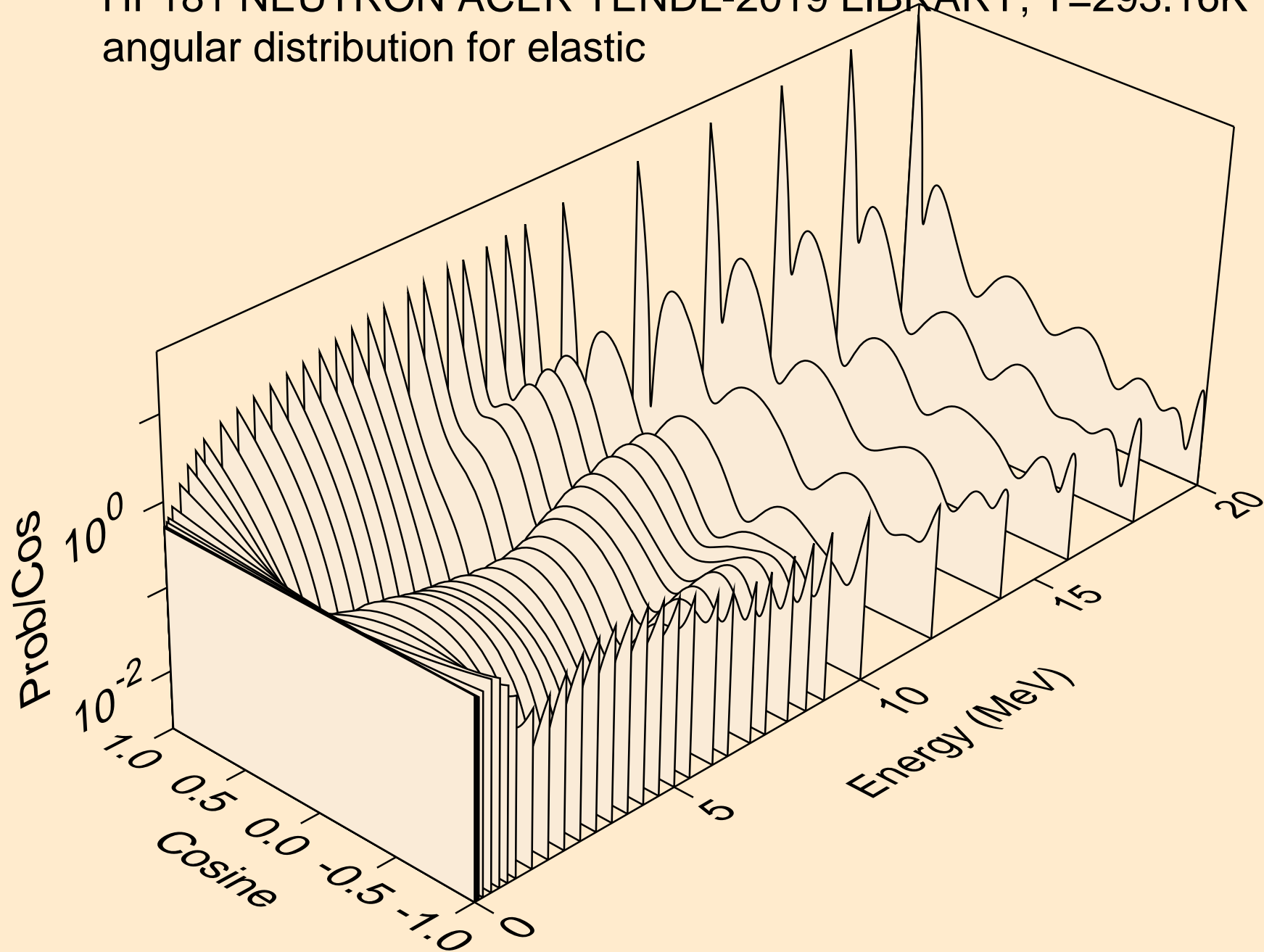


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

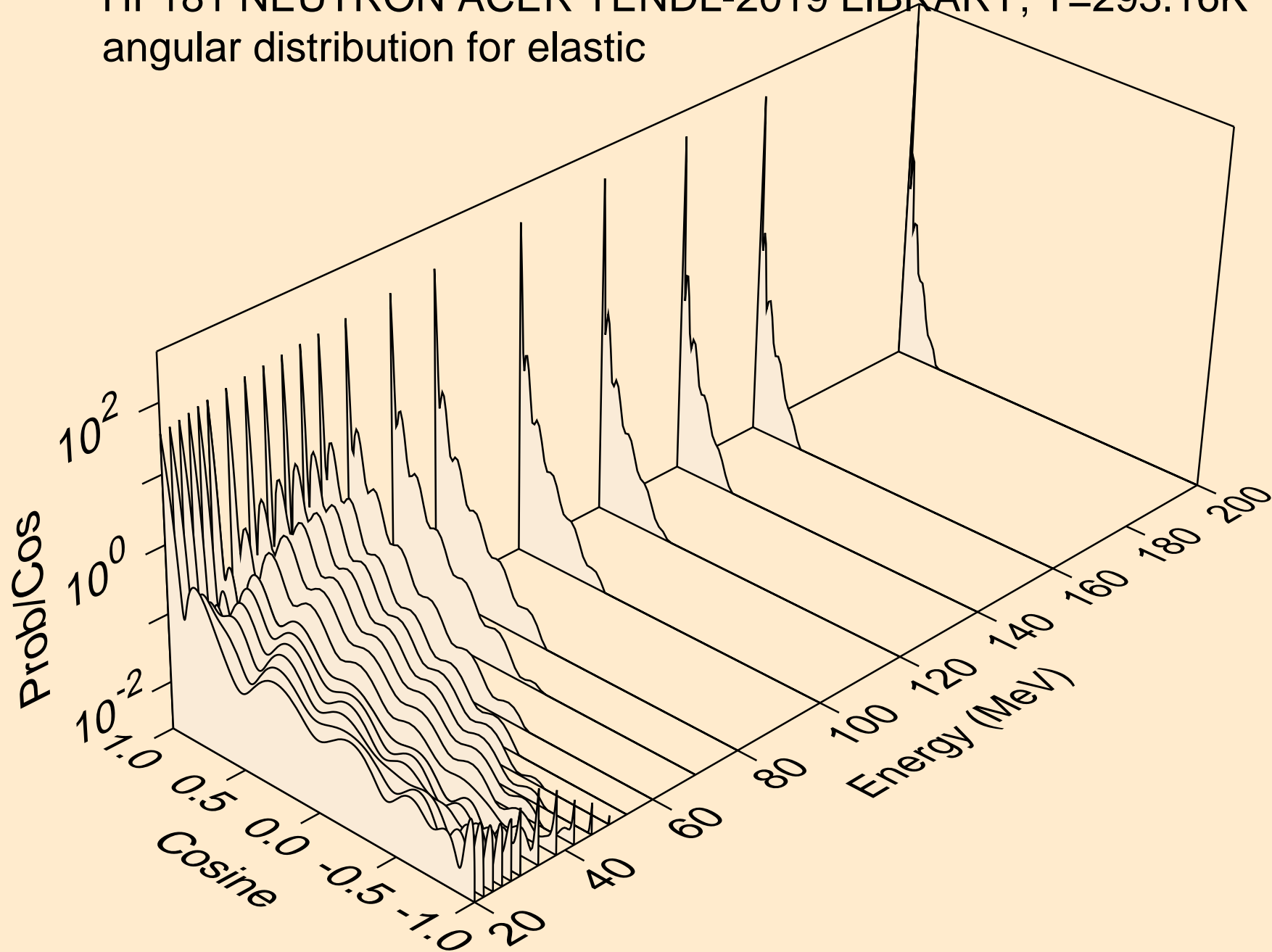
Threshold reactions



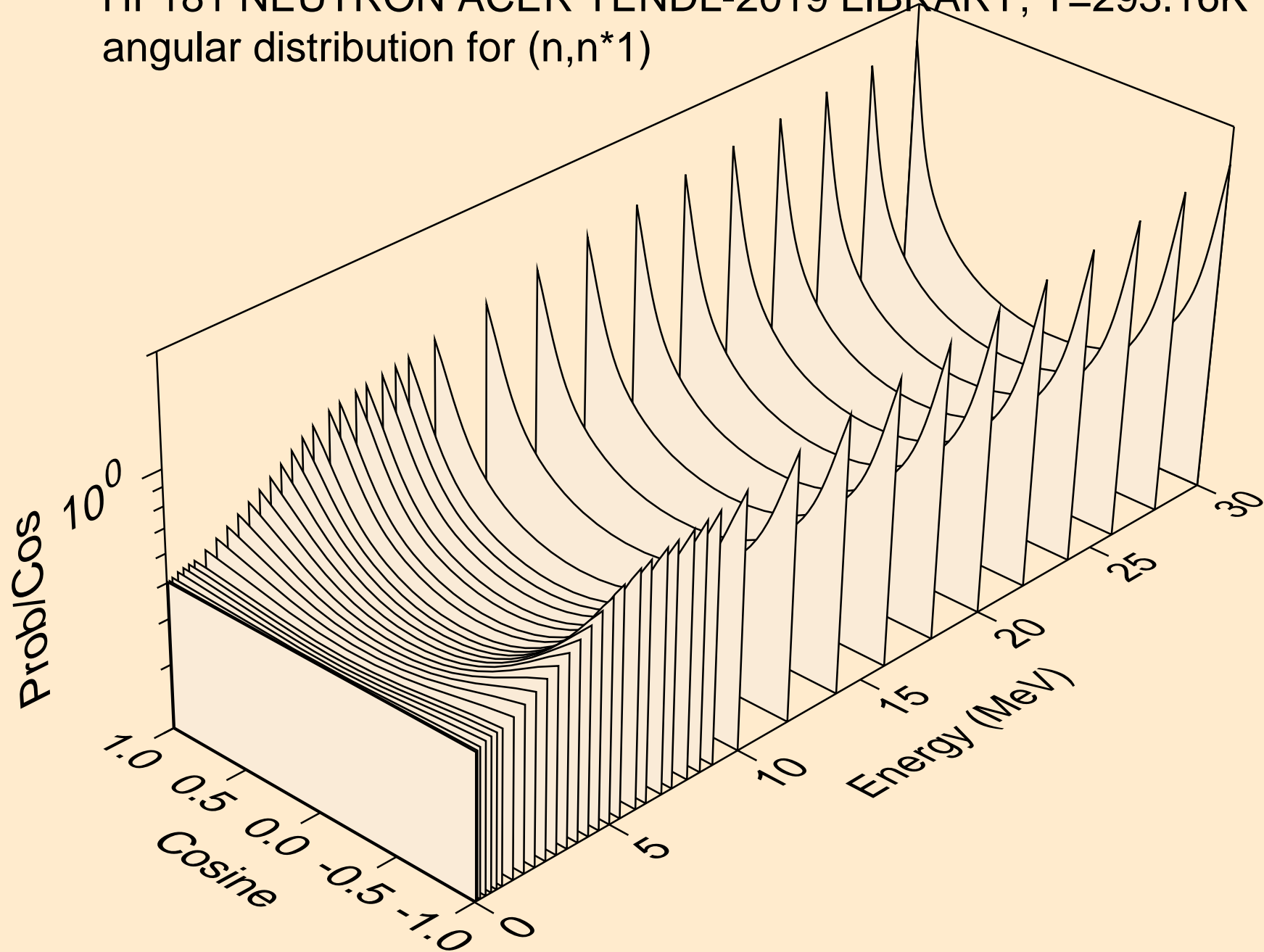
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



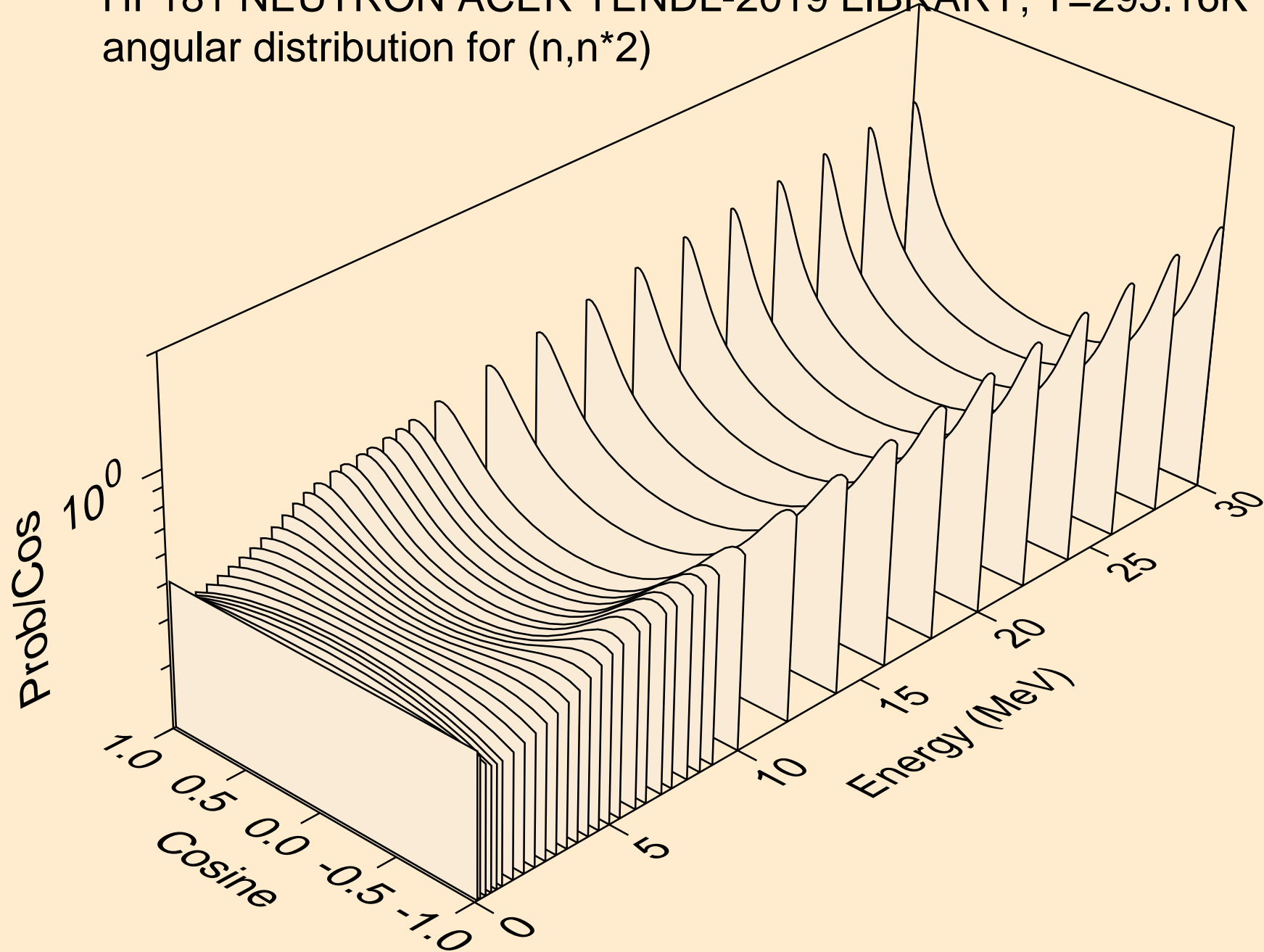
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



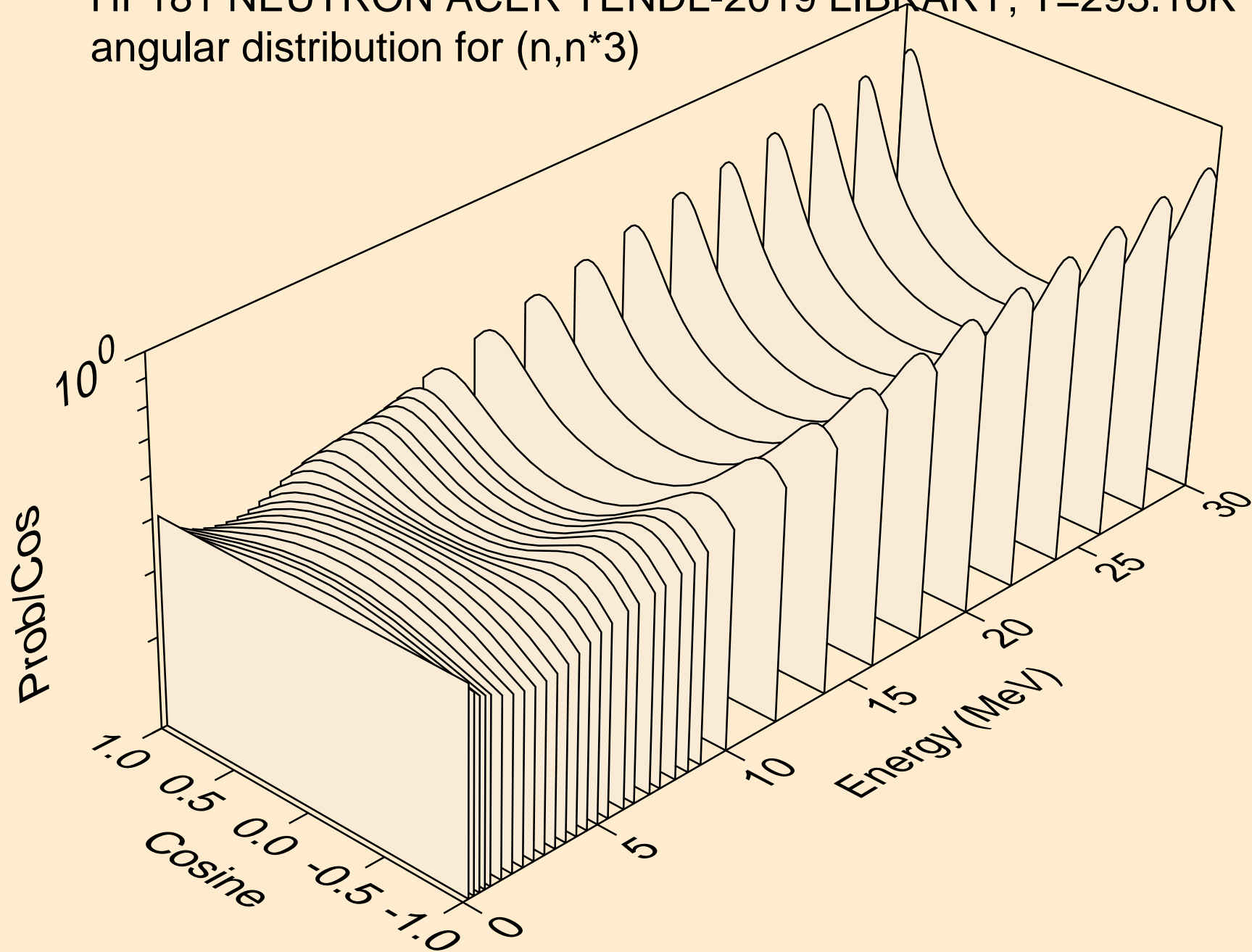
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



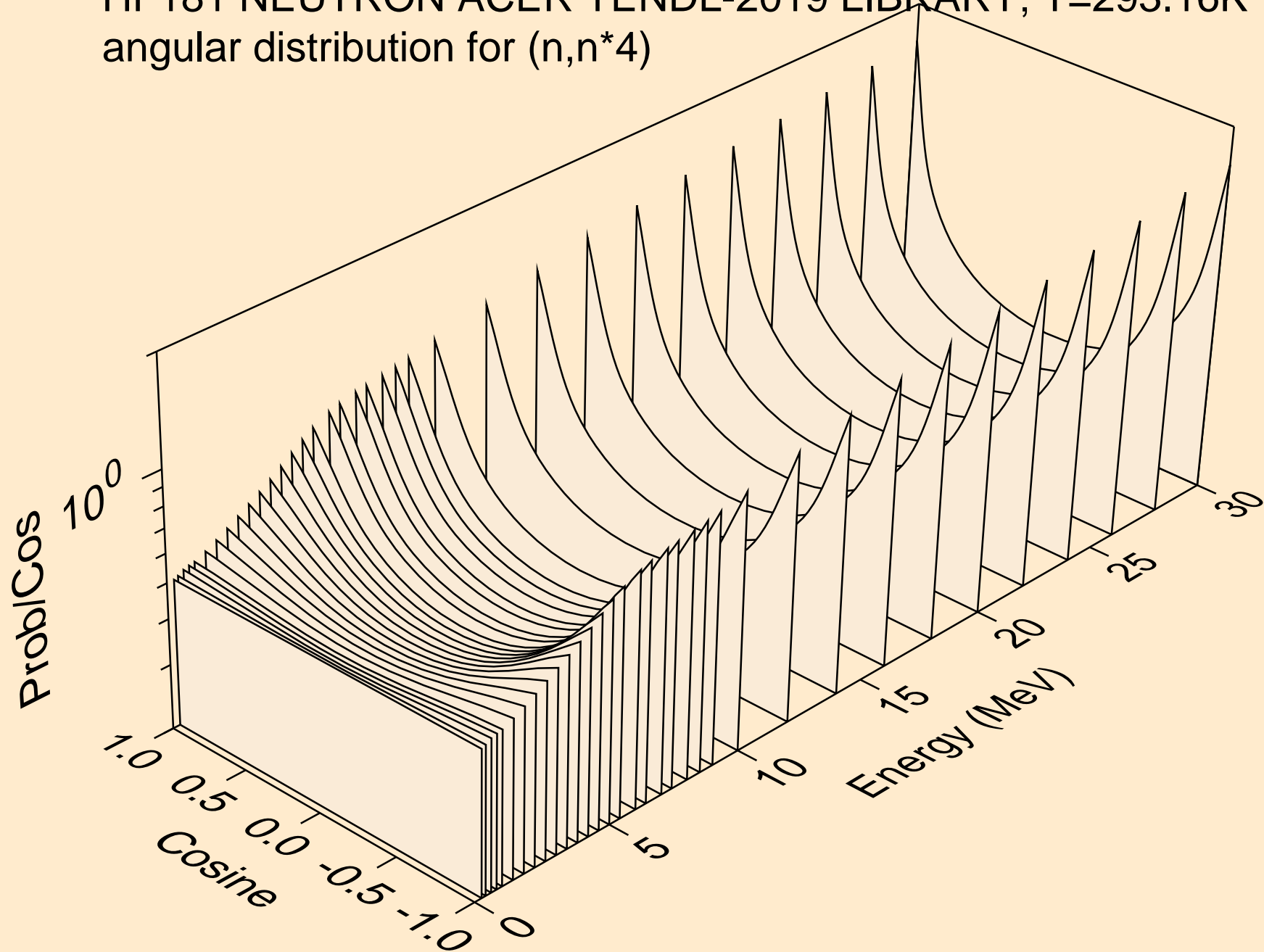
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



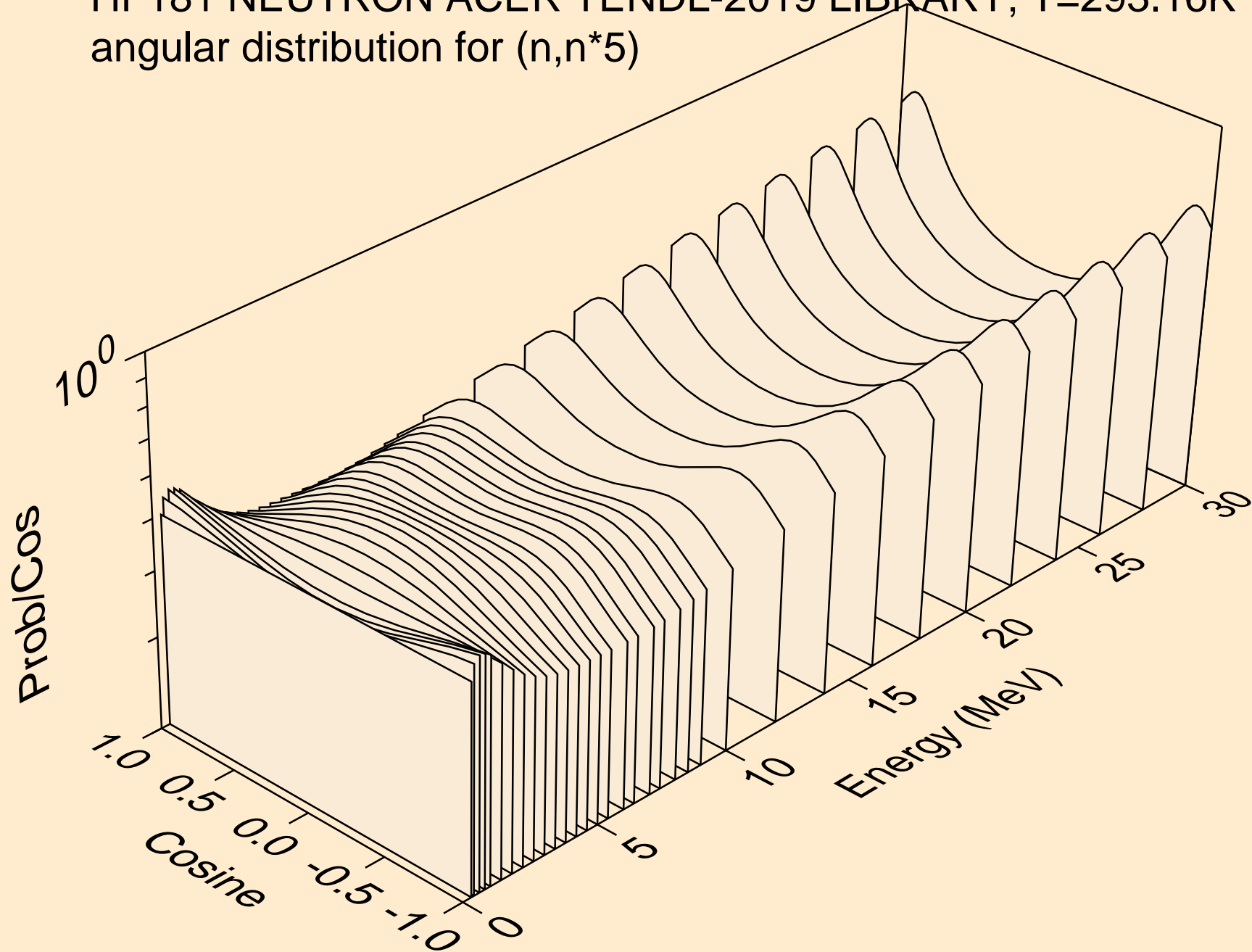
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



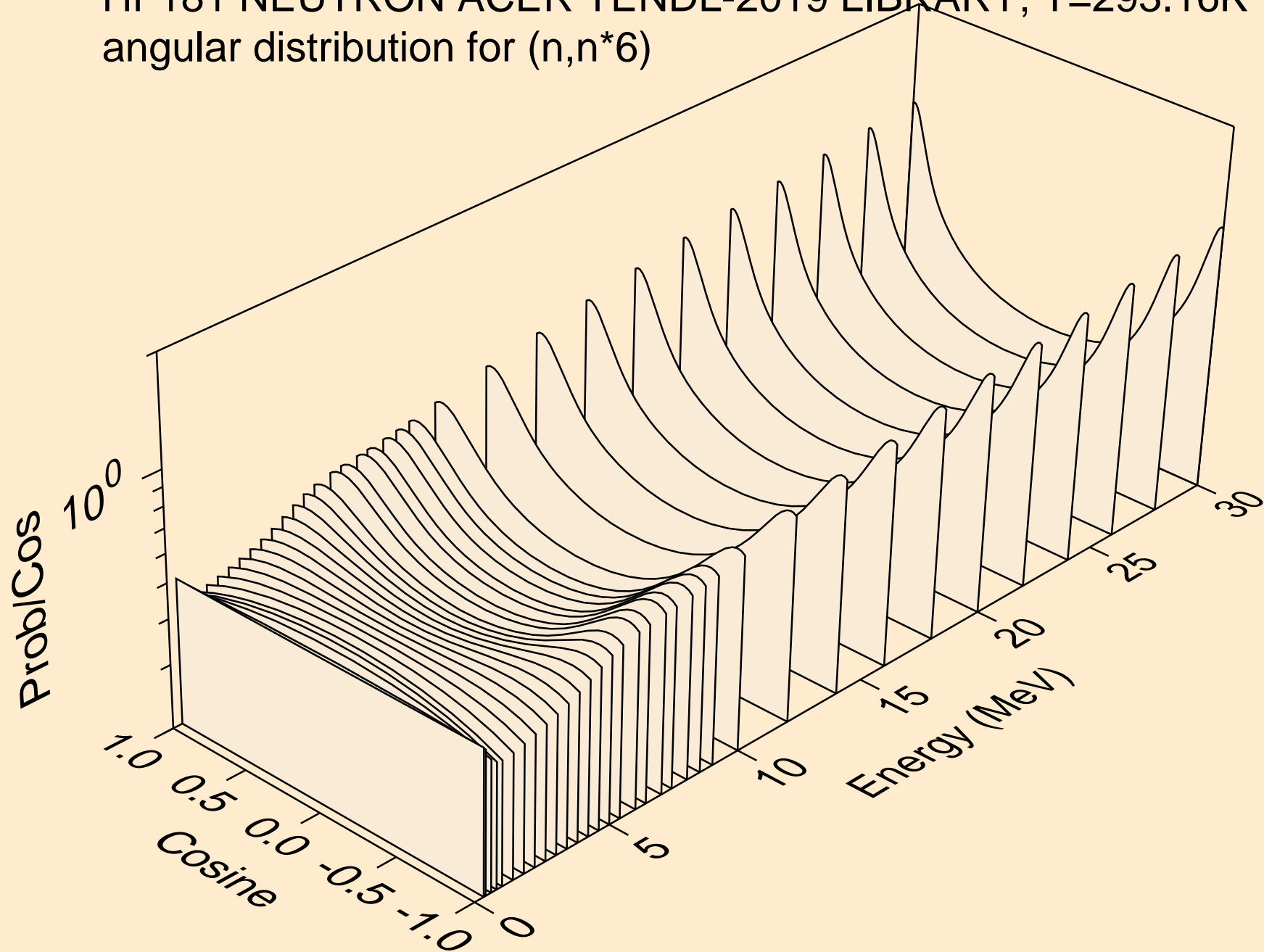
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



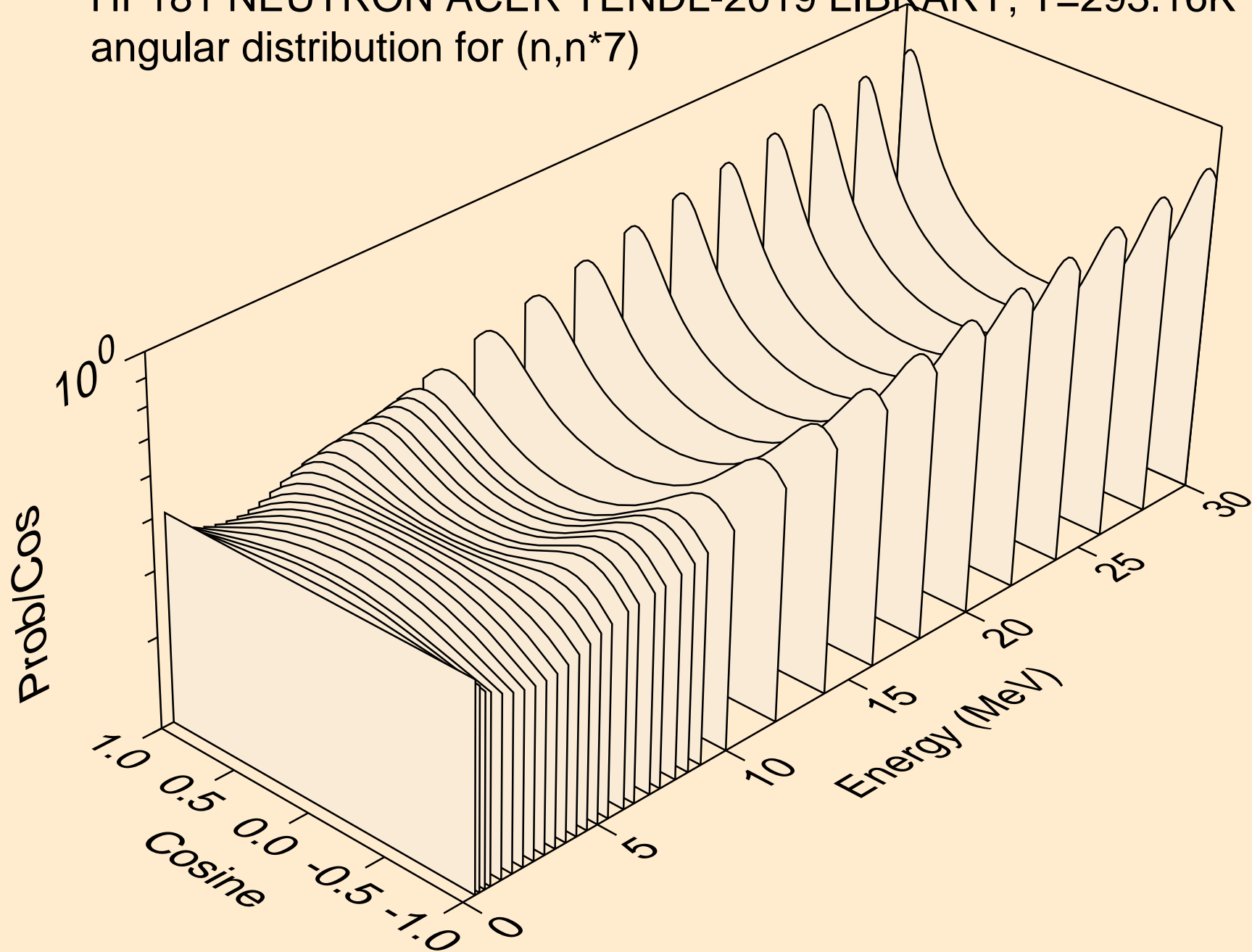
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



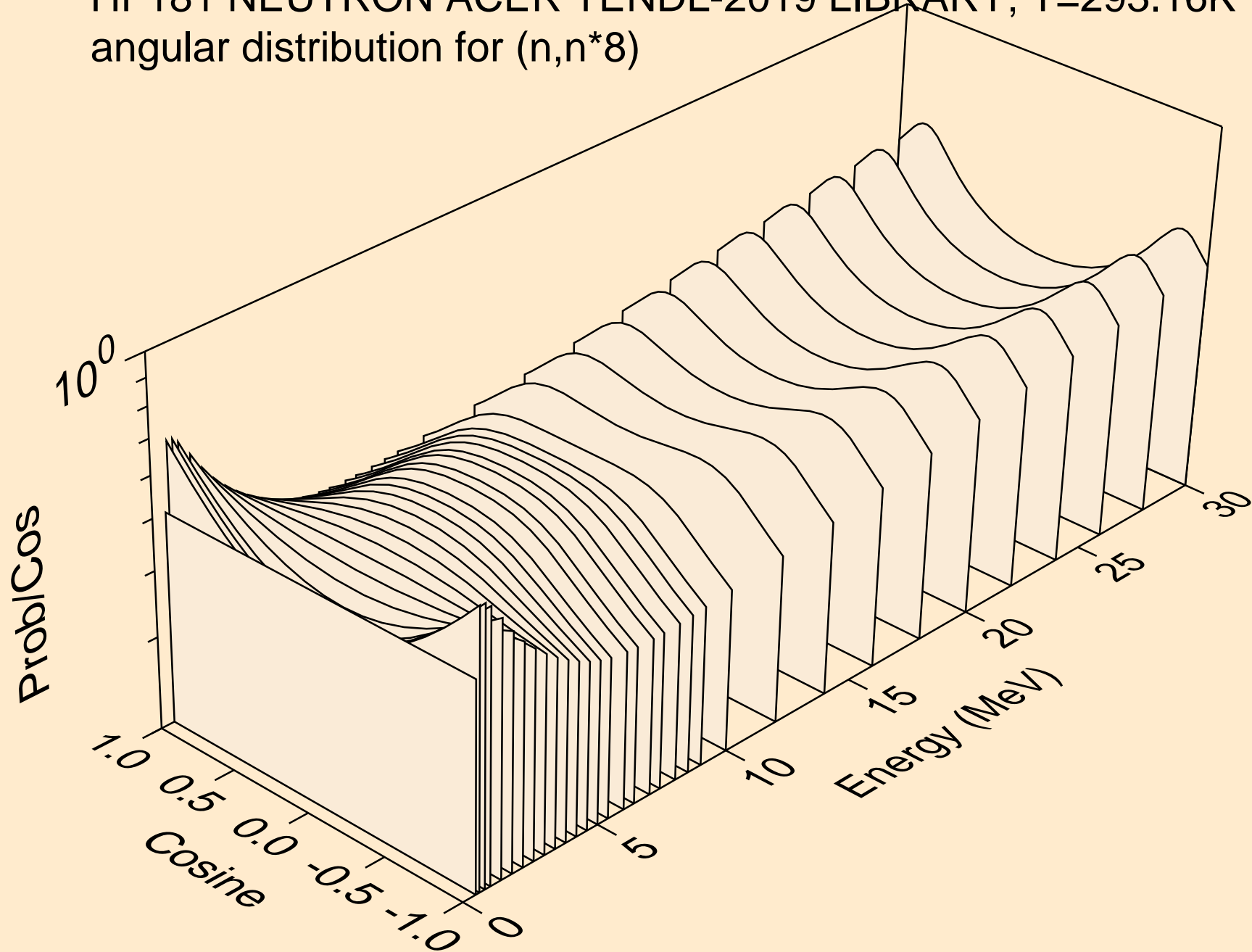
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



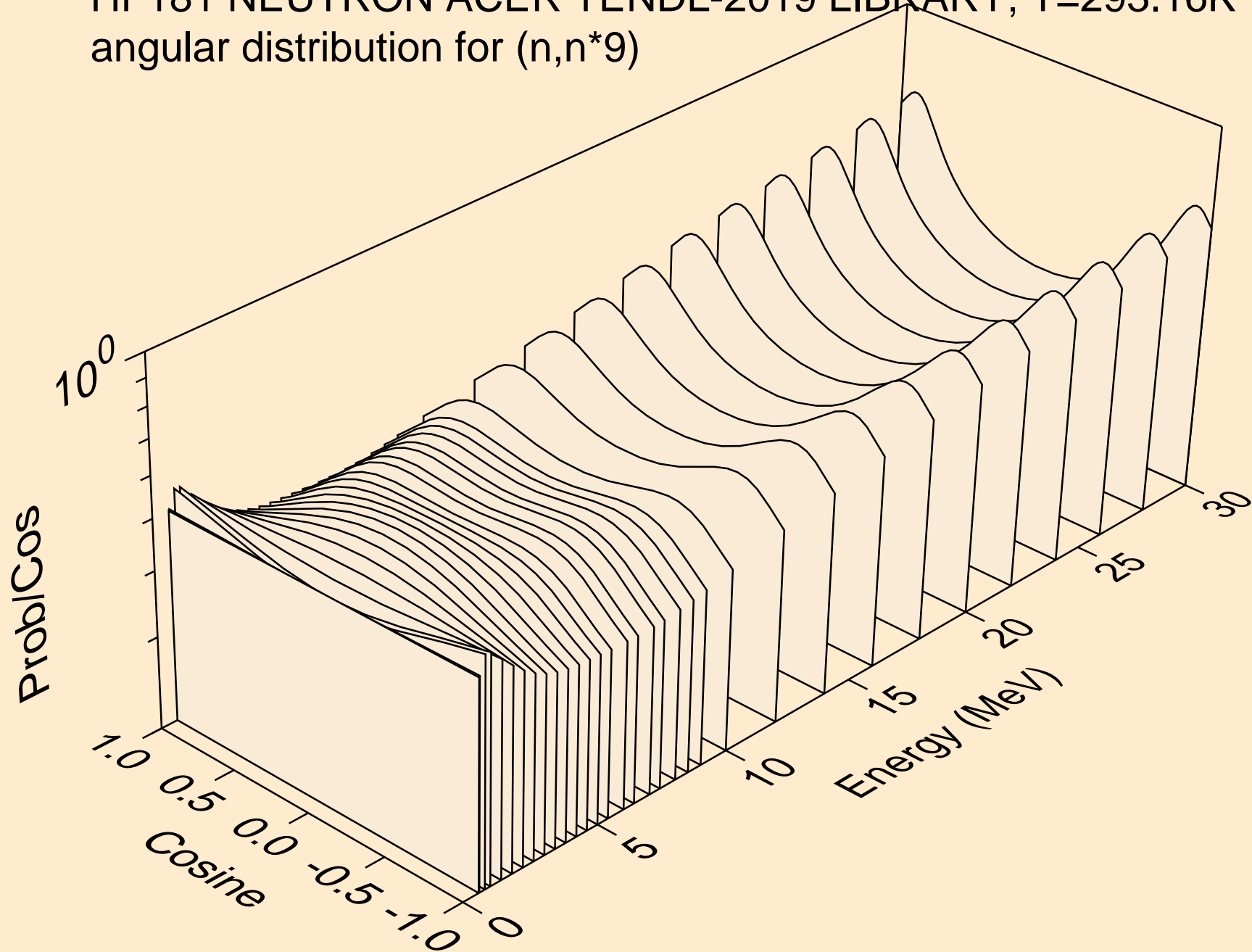
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



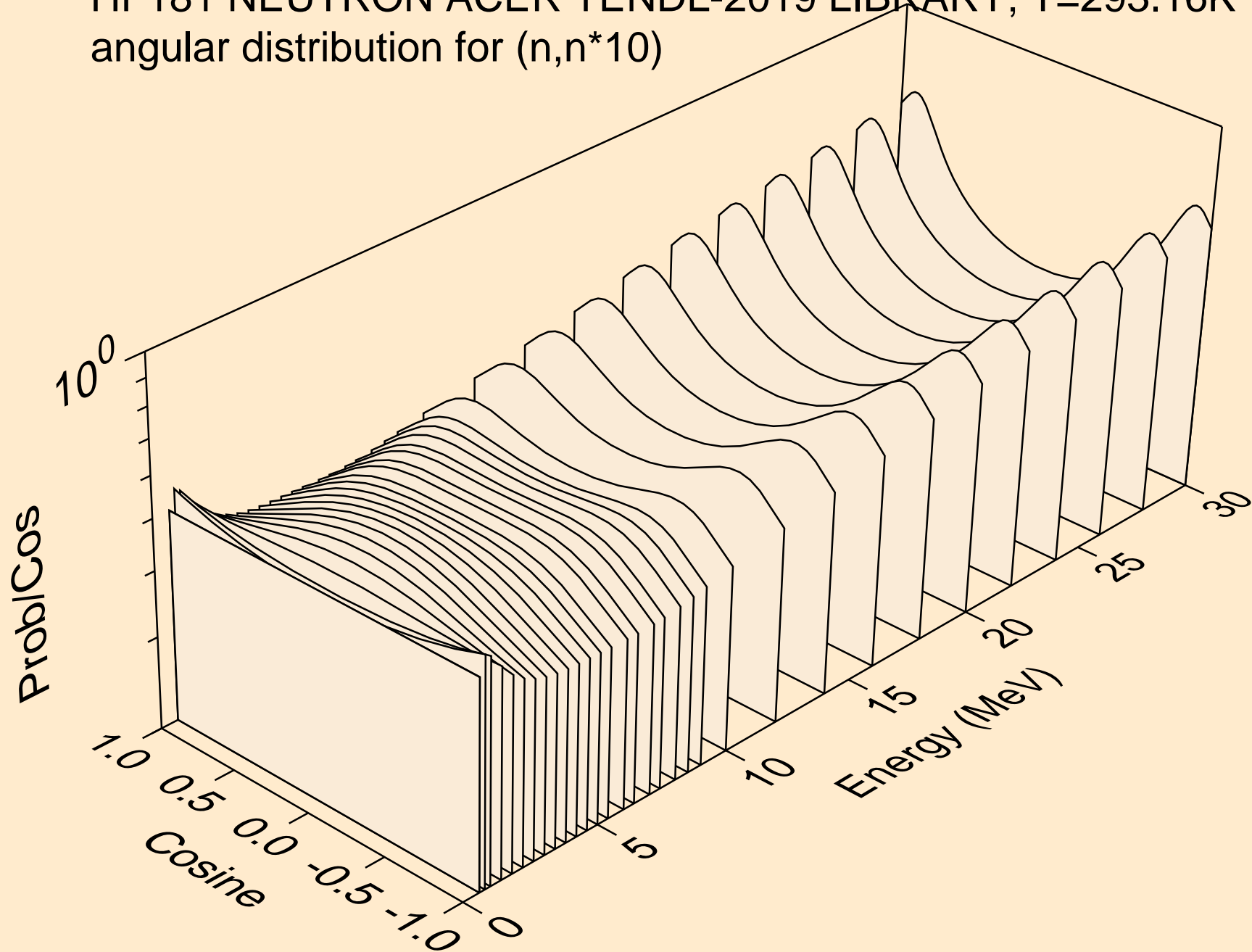
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



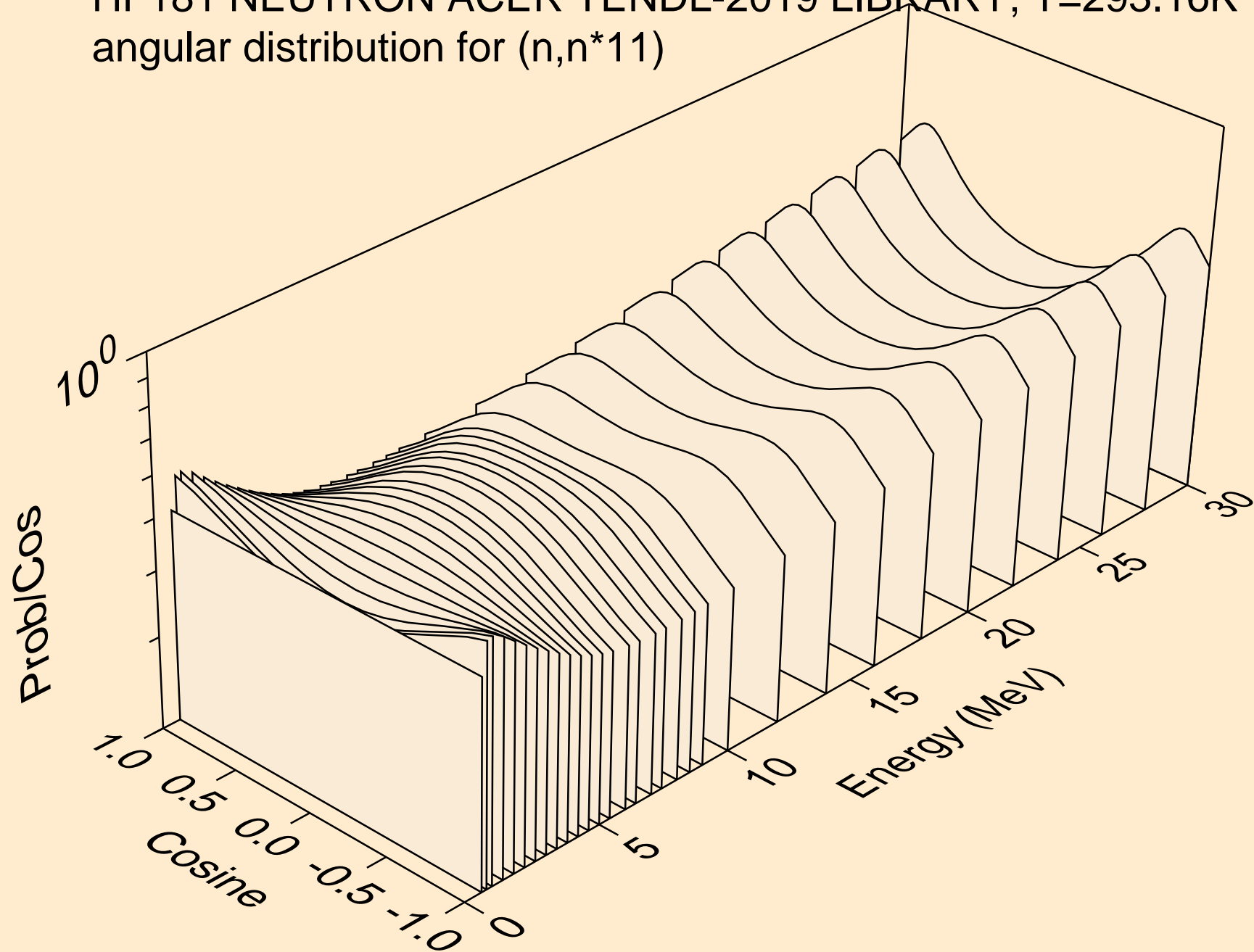
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



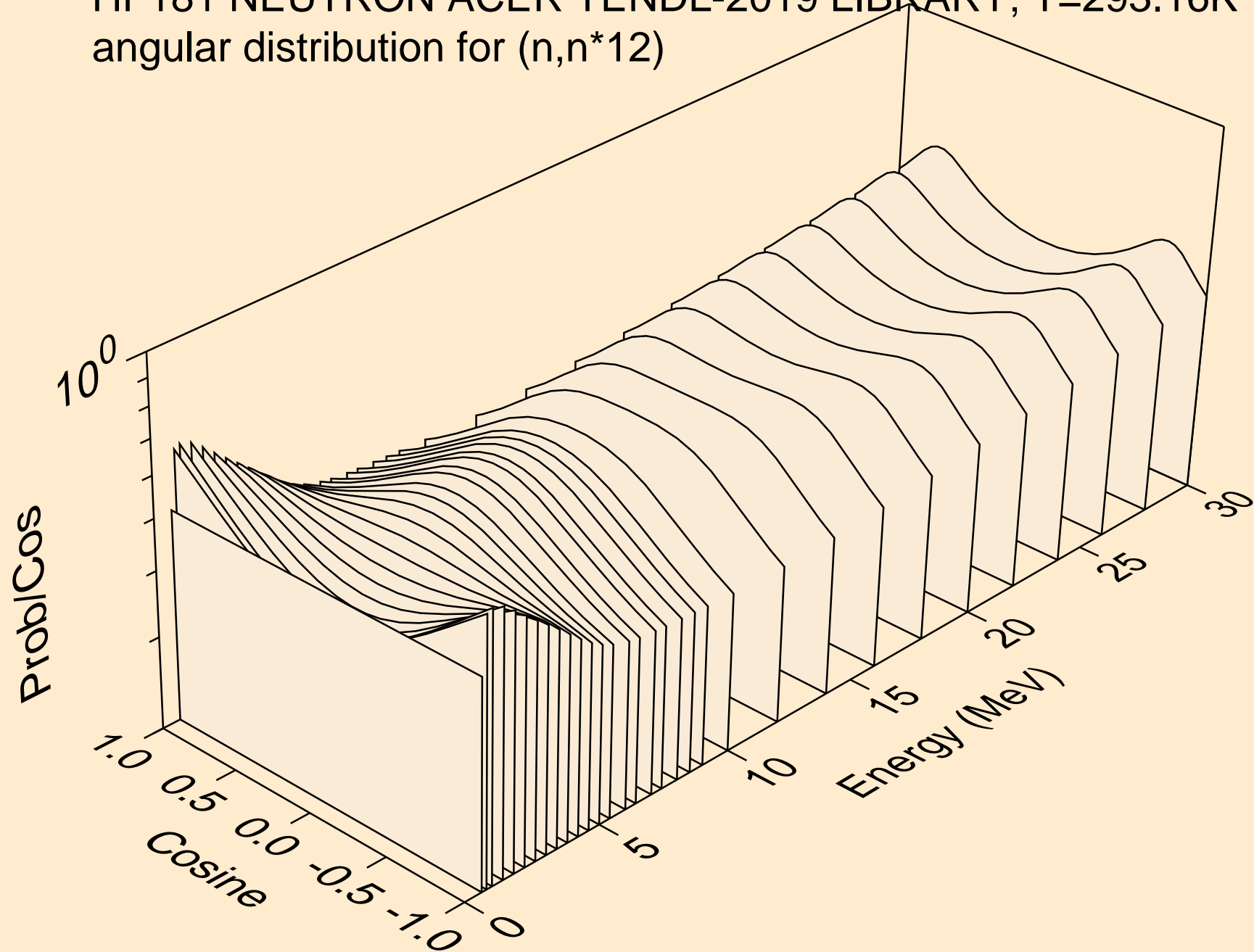
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



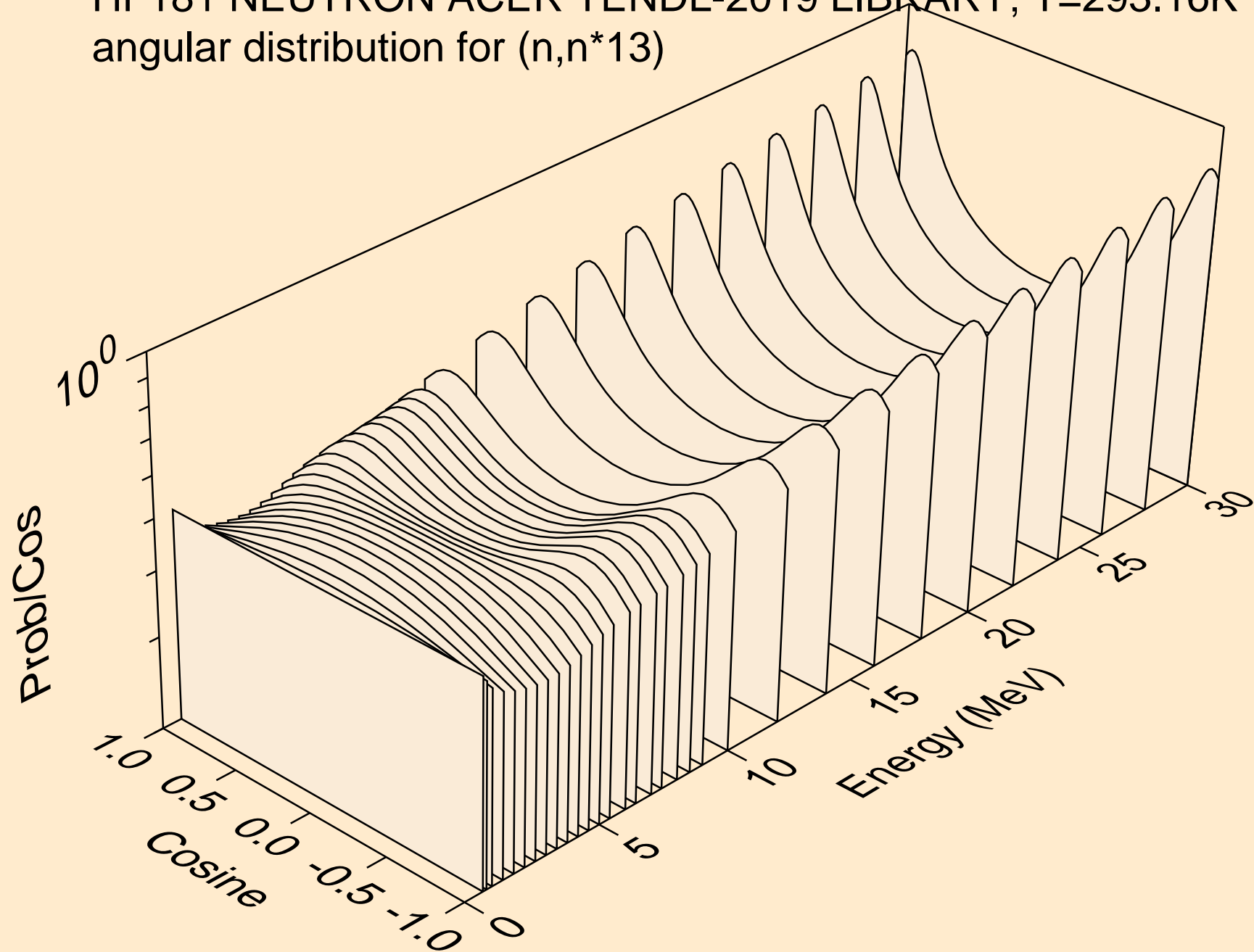
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angular distribution for (n,n*11)



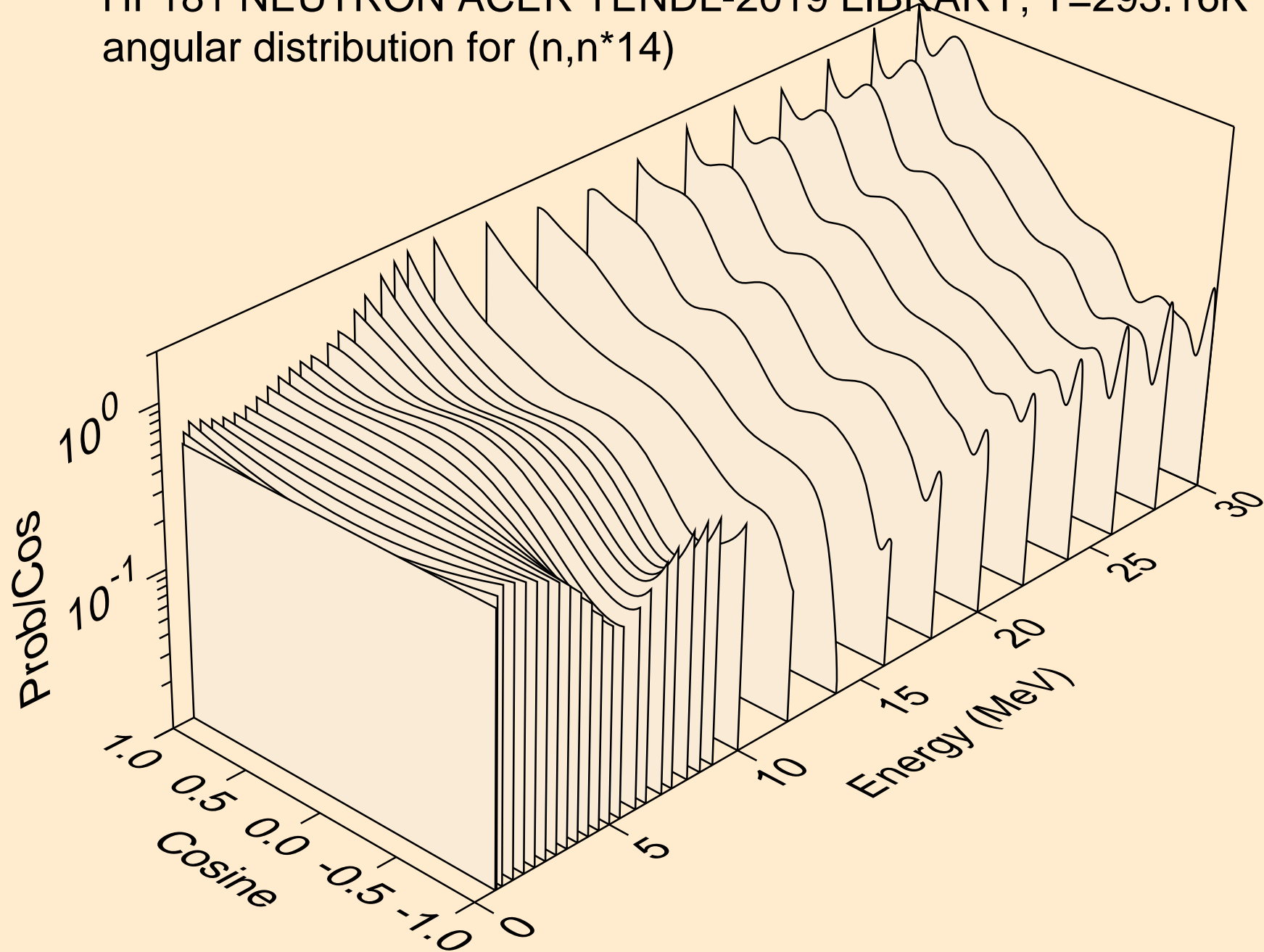
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



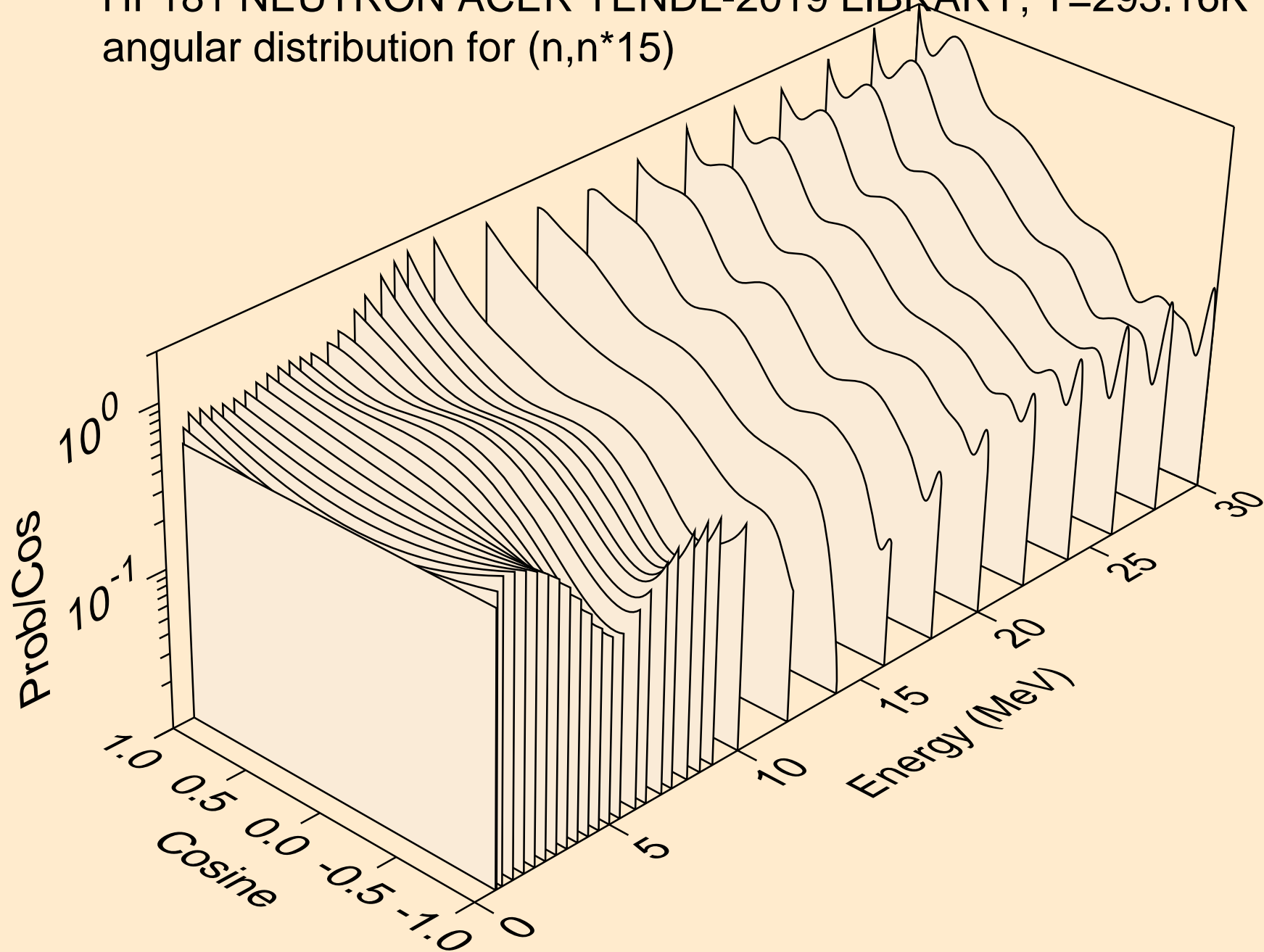
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



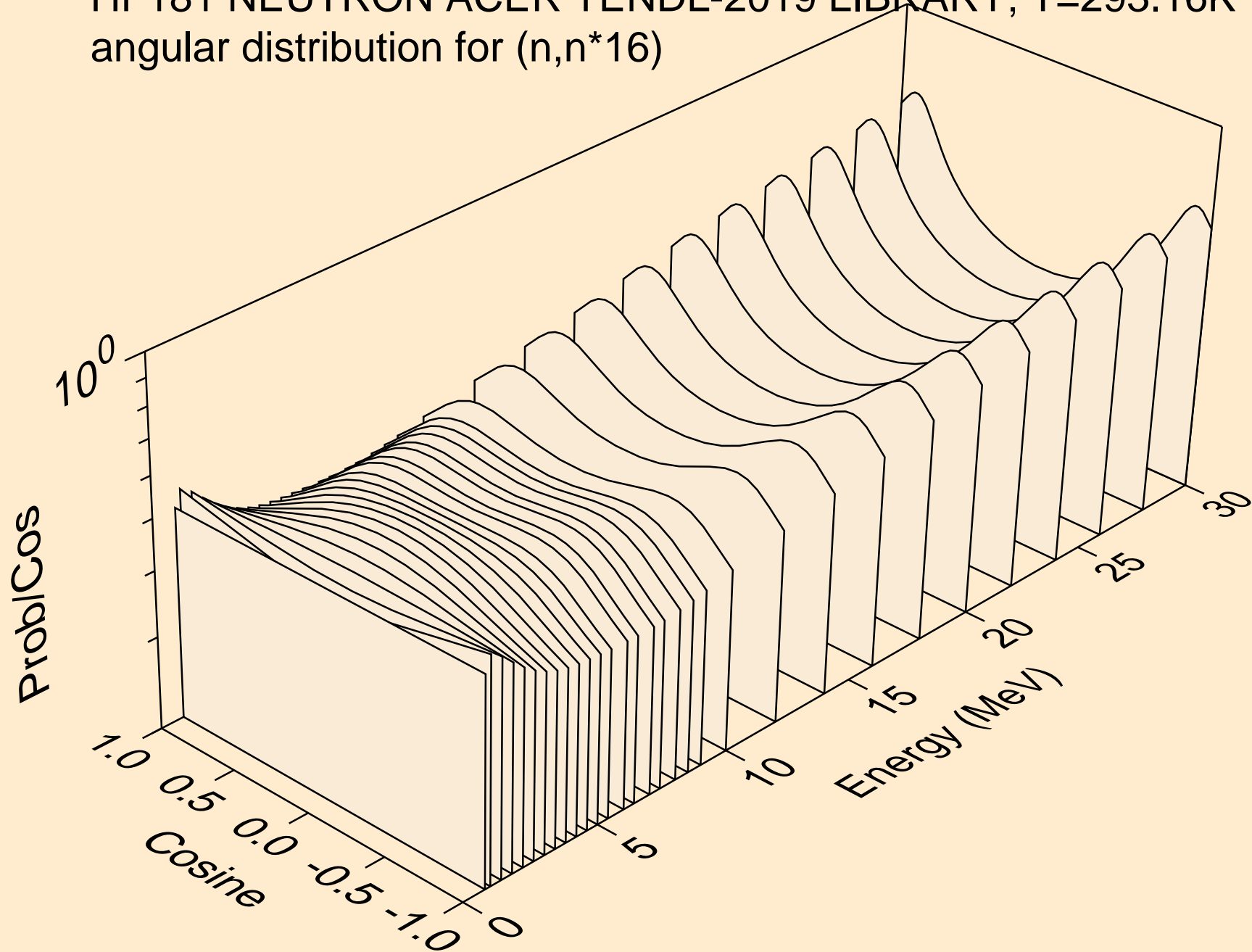
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angular distribution for (n,n*14)



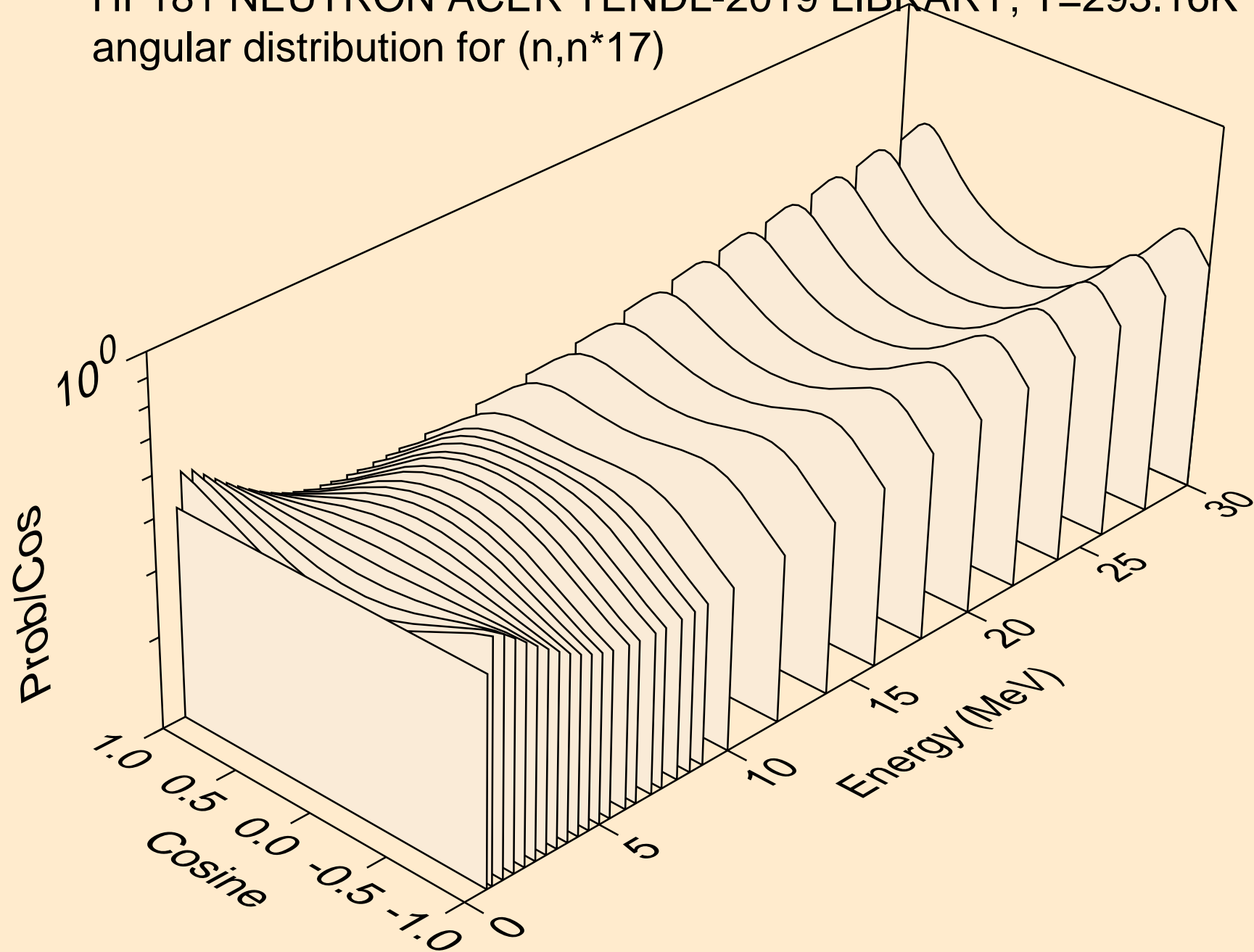
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



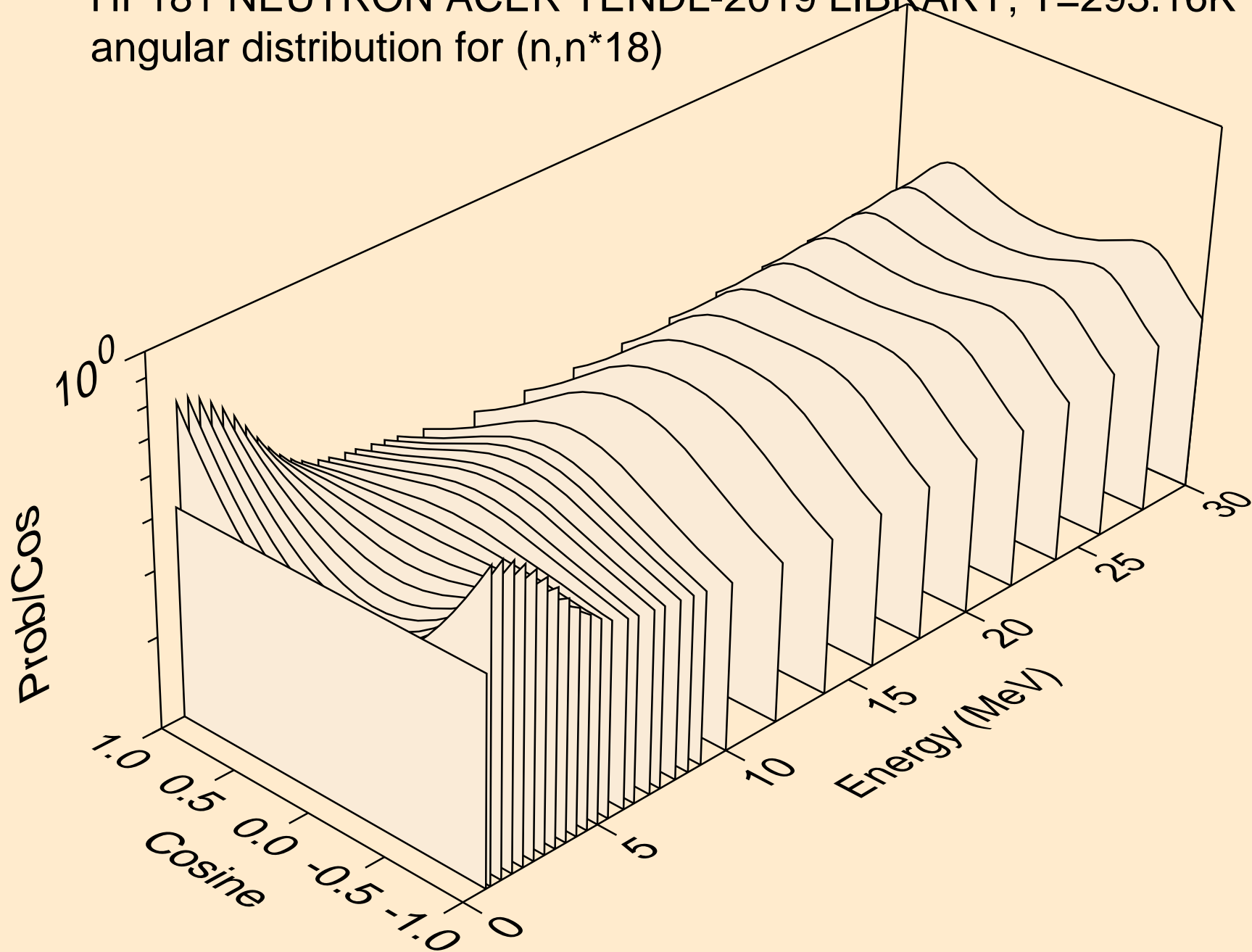
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*16)



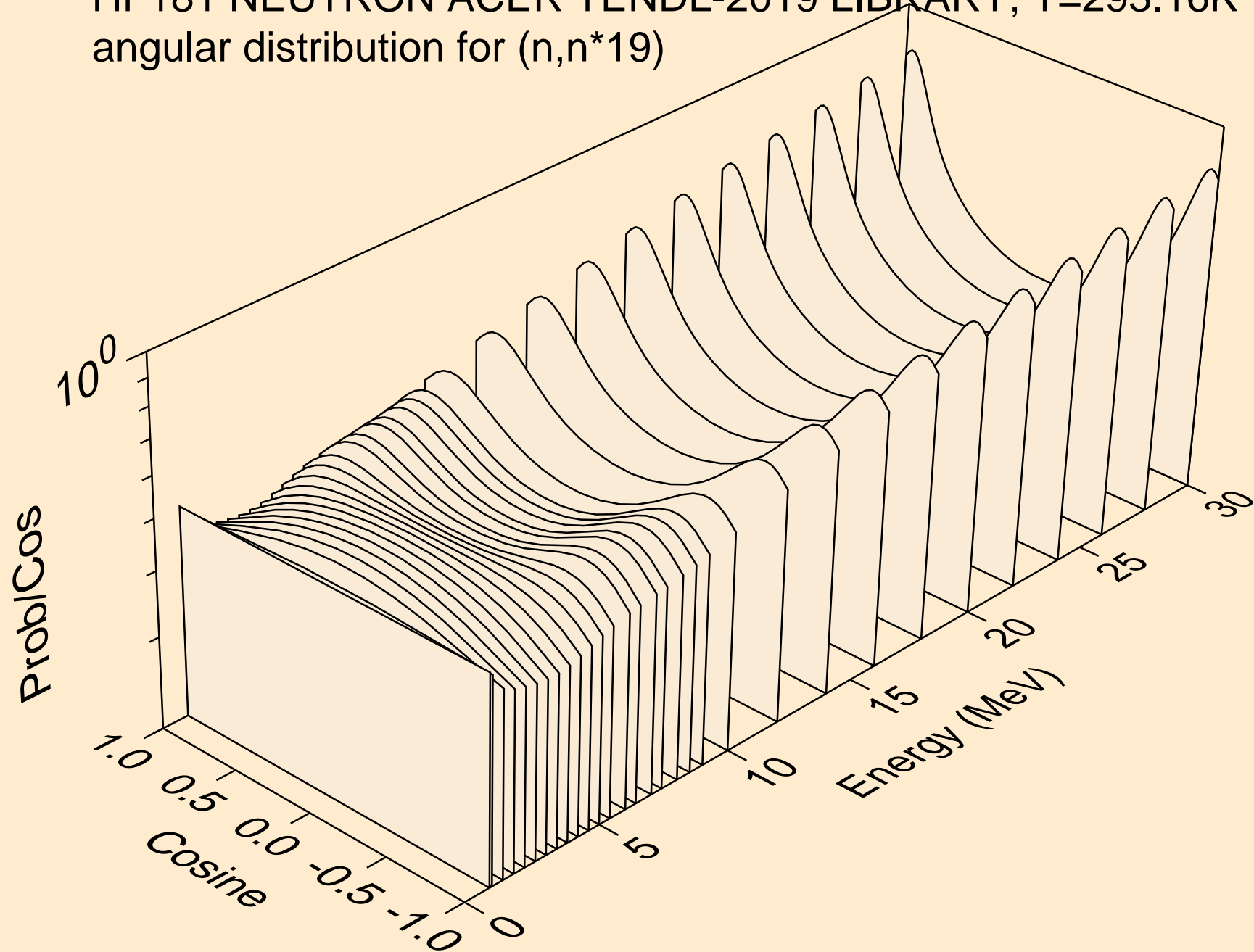
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*17)



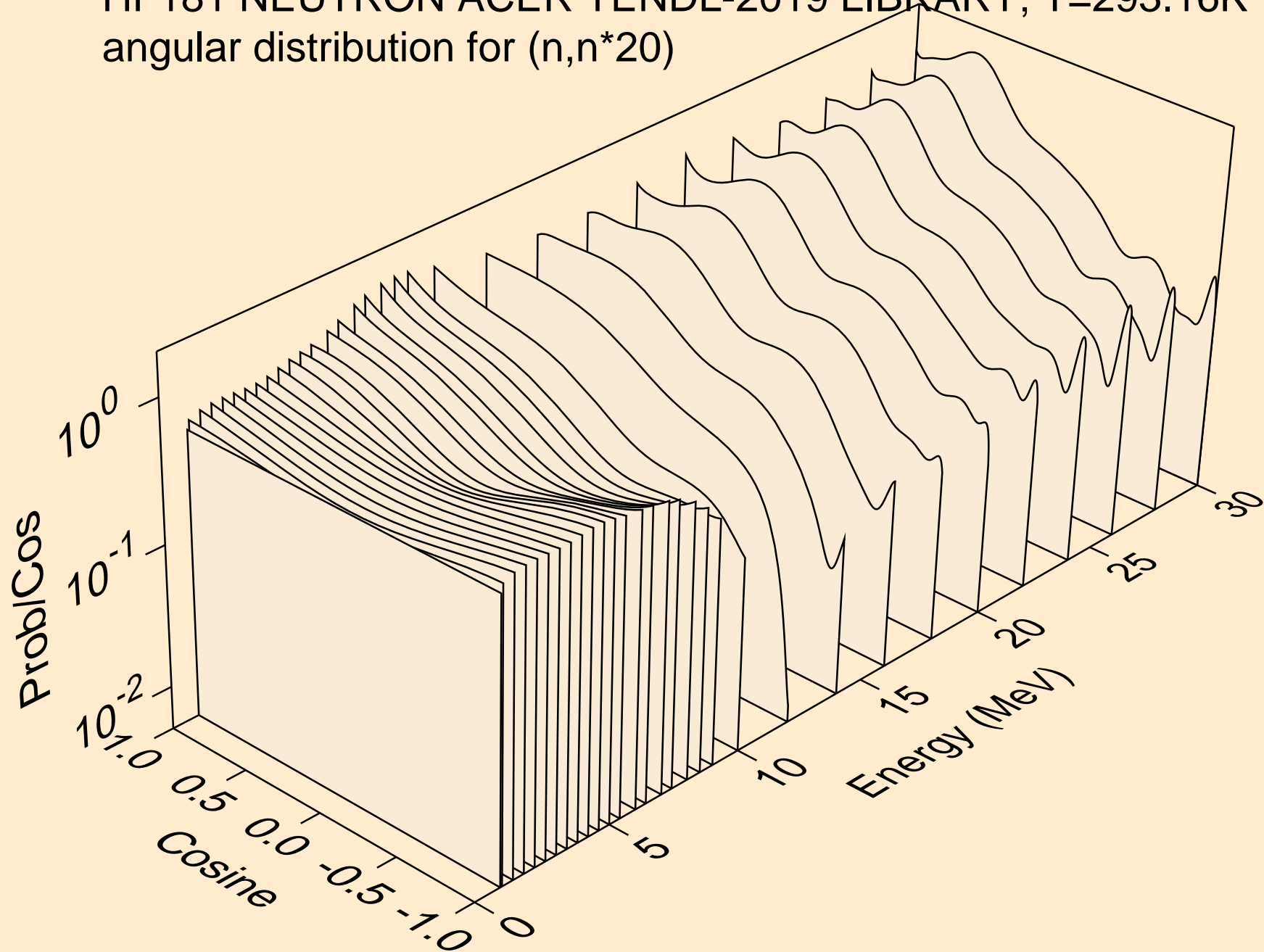
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



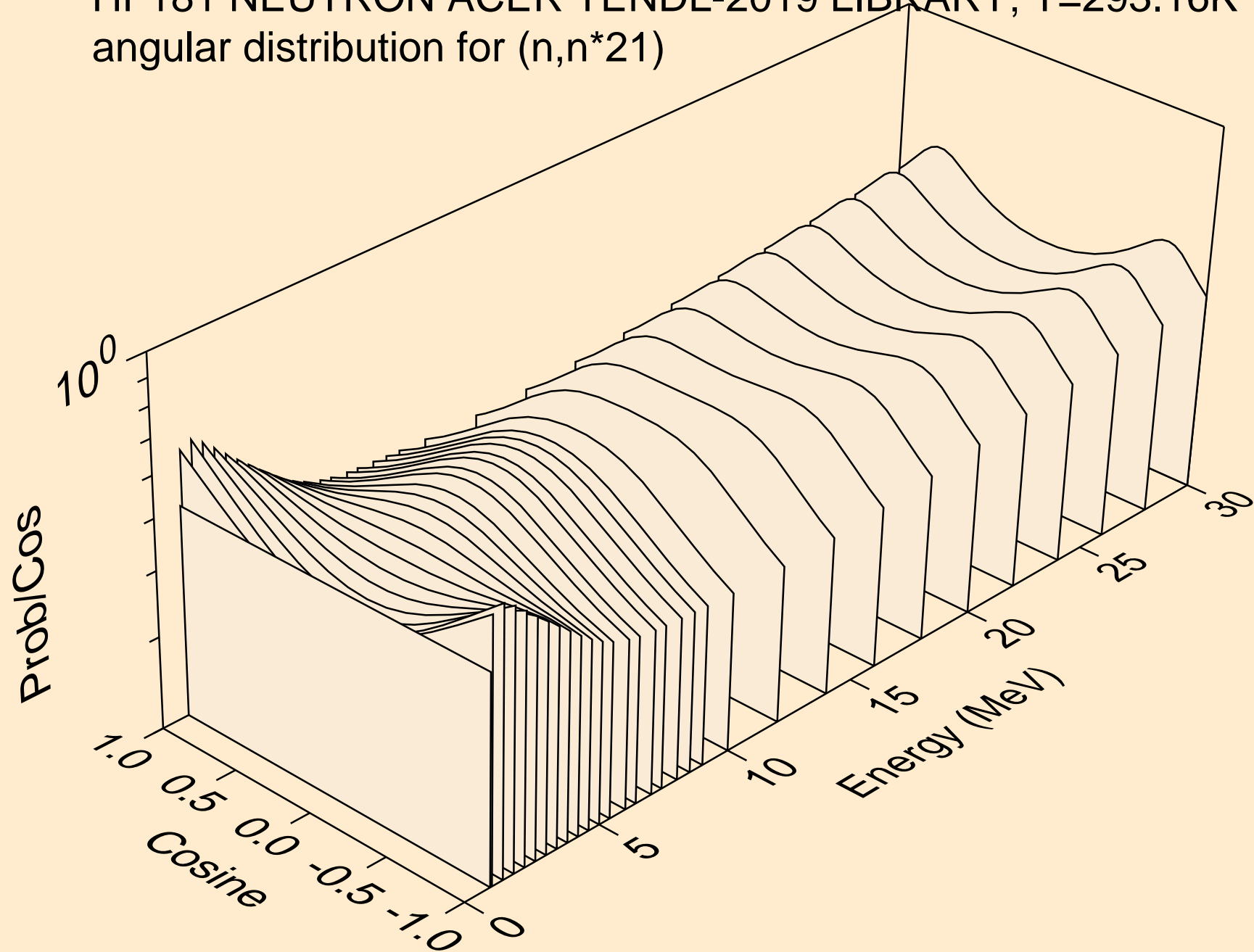
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



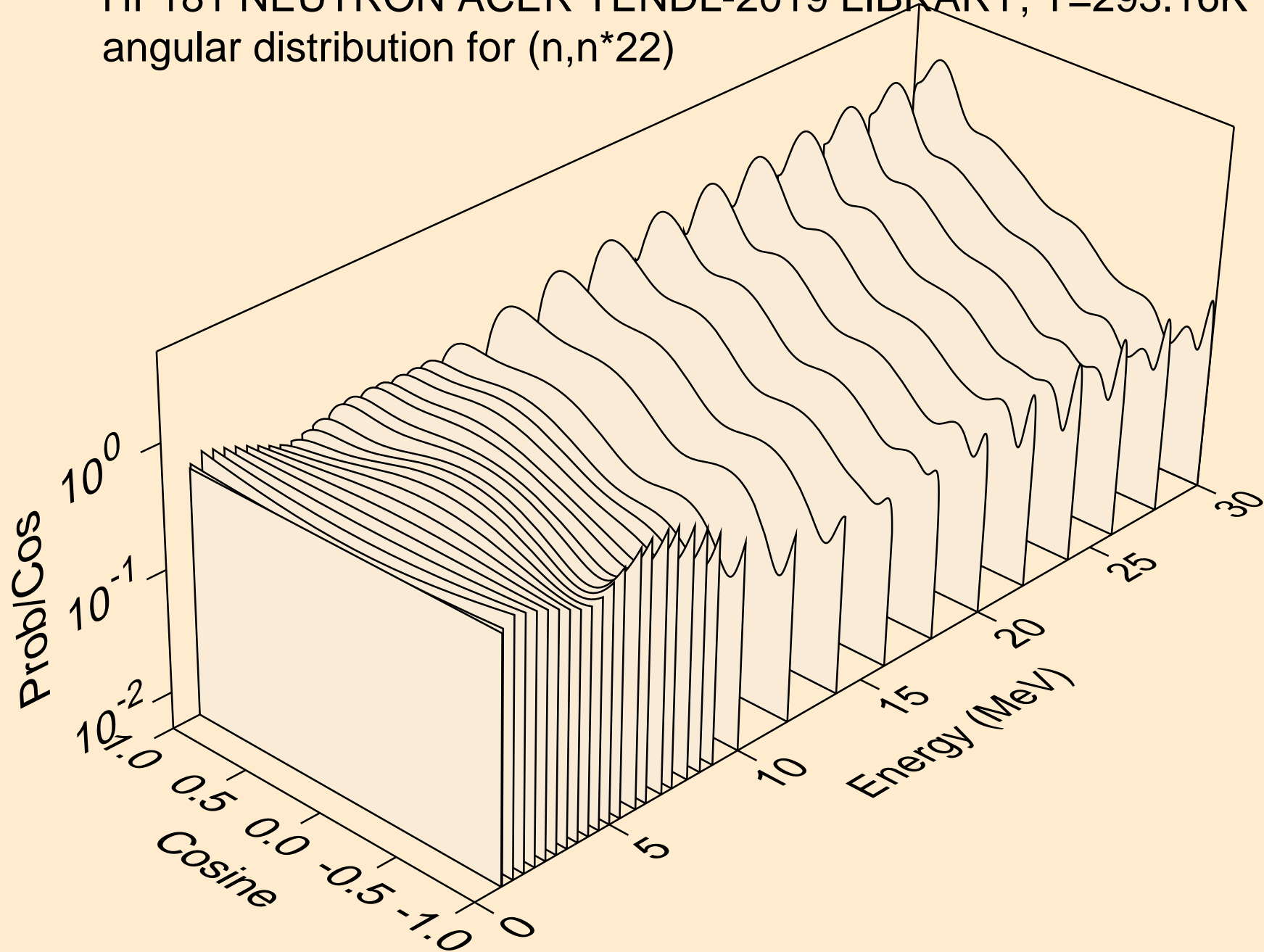
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



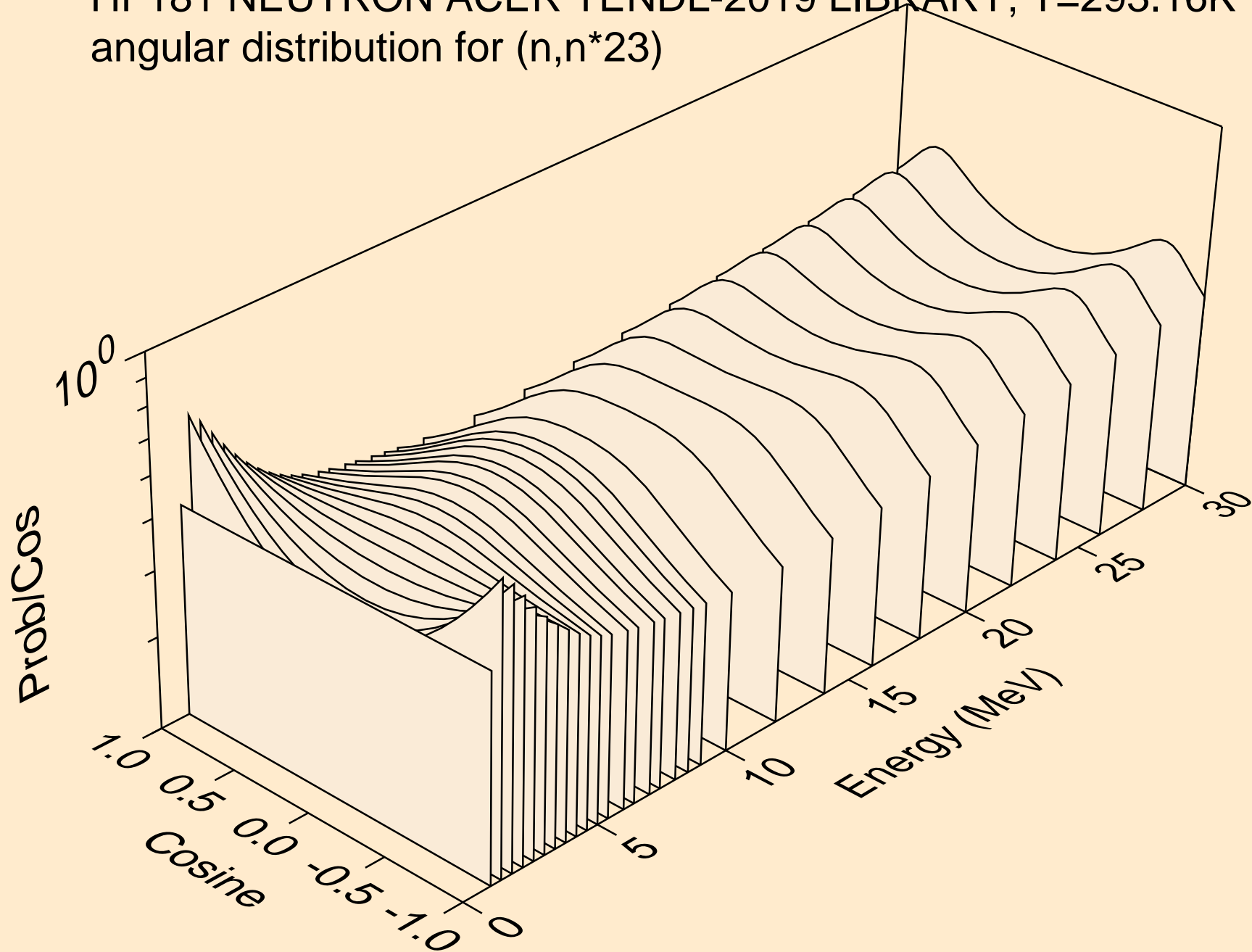
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



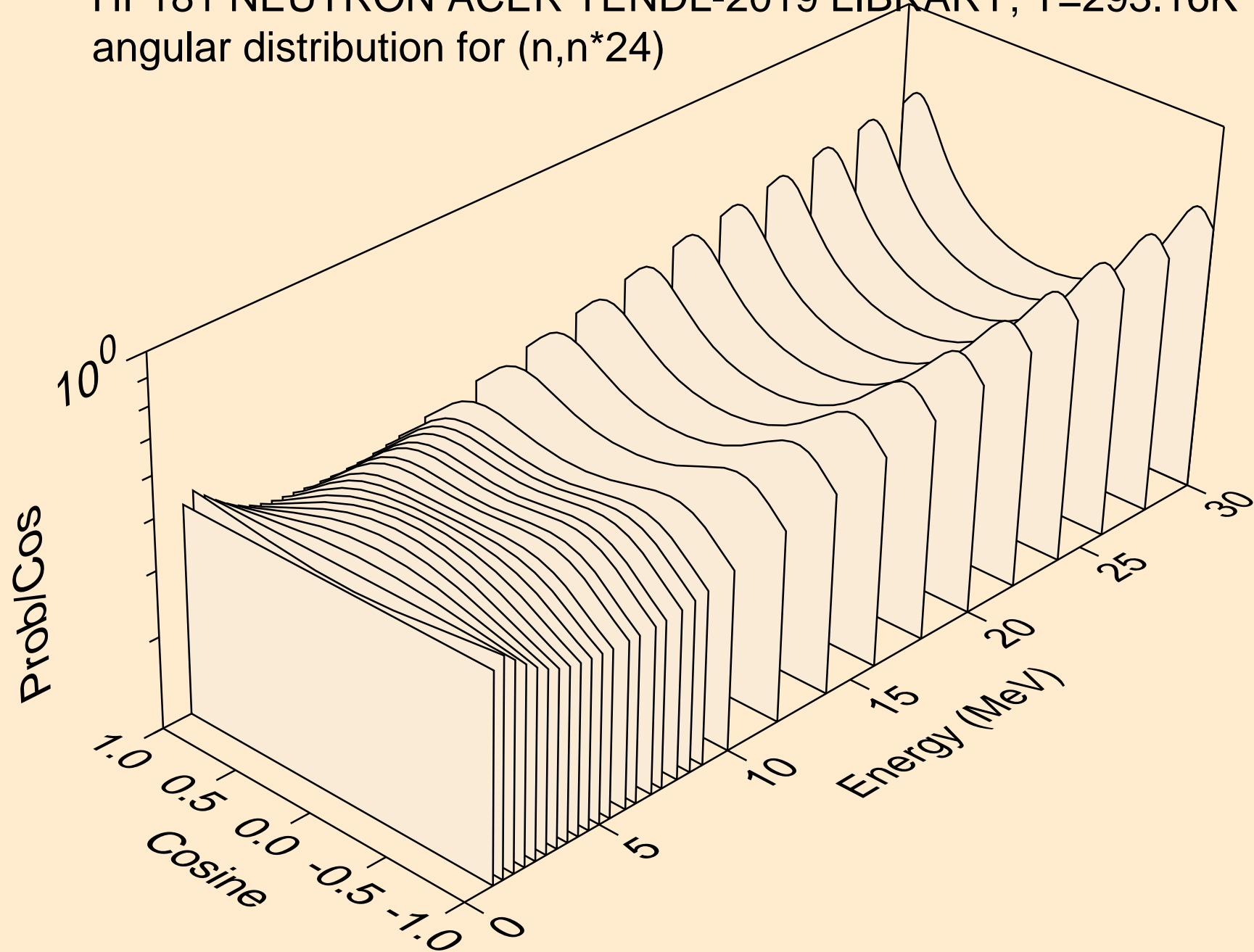
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angular distribution for (n,n*22)



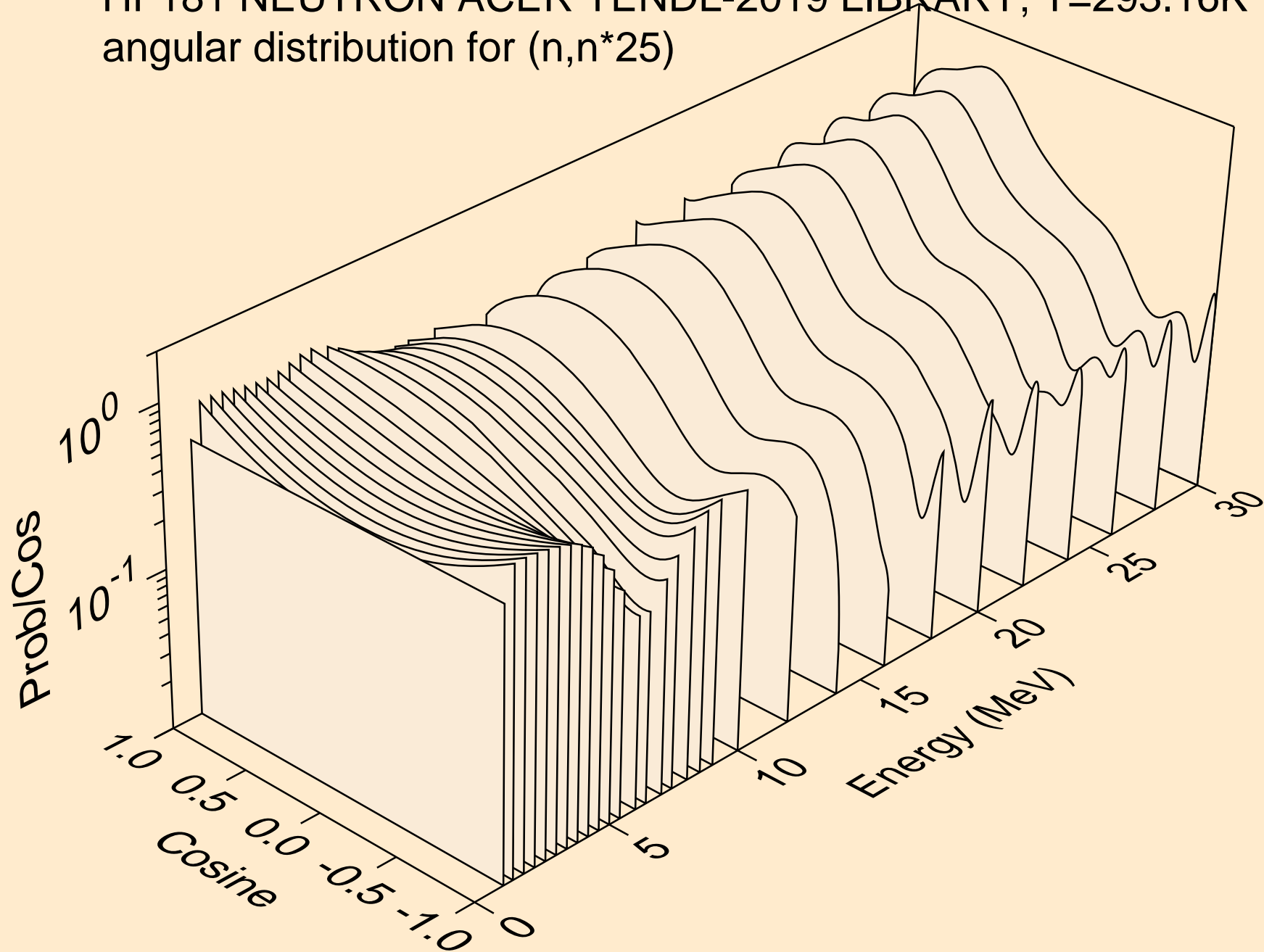
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angular distribution for (n,n*23)



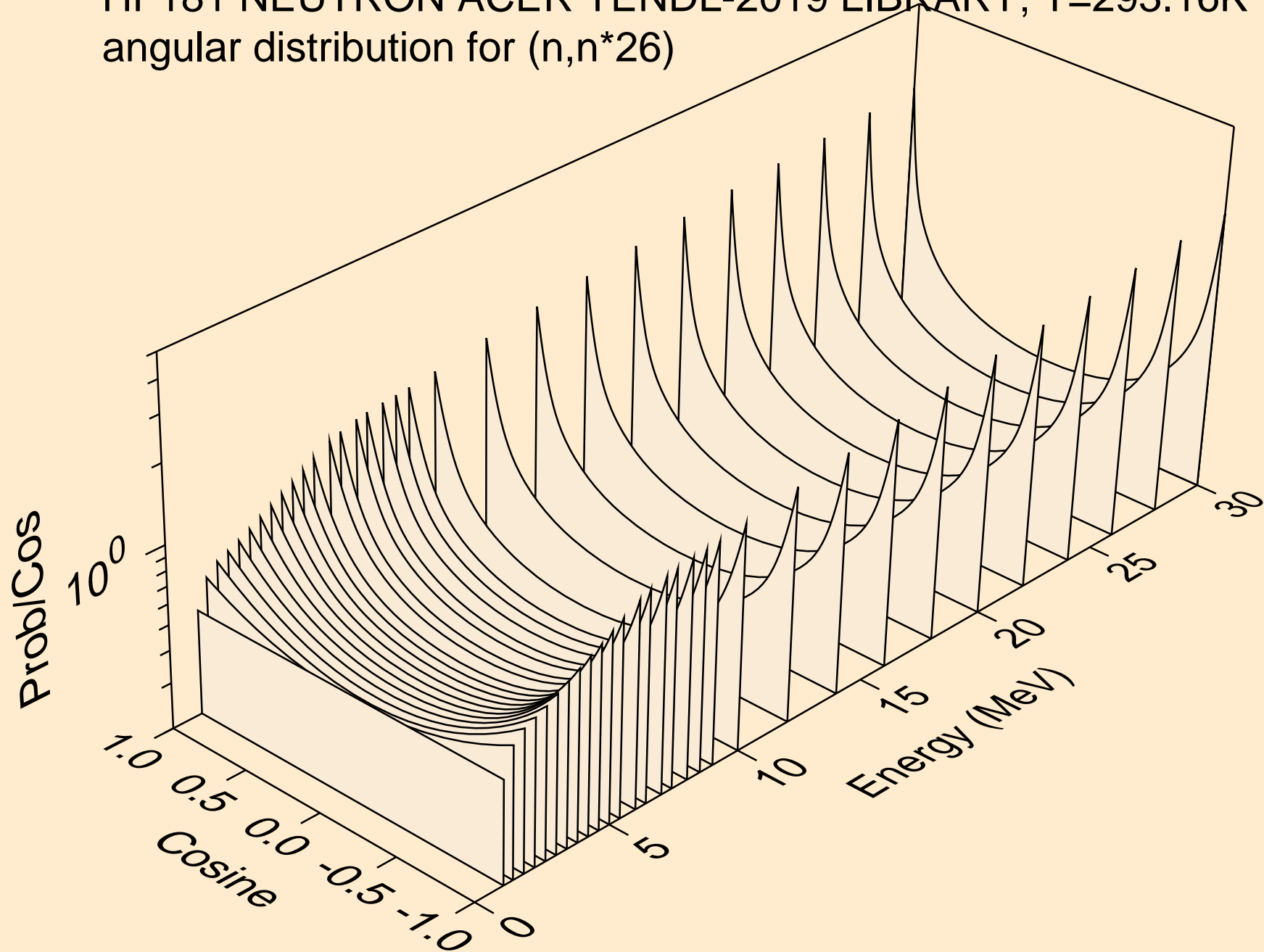
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angular distribution for (n,n*24)



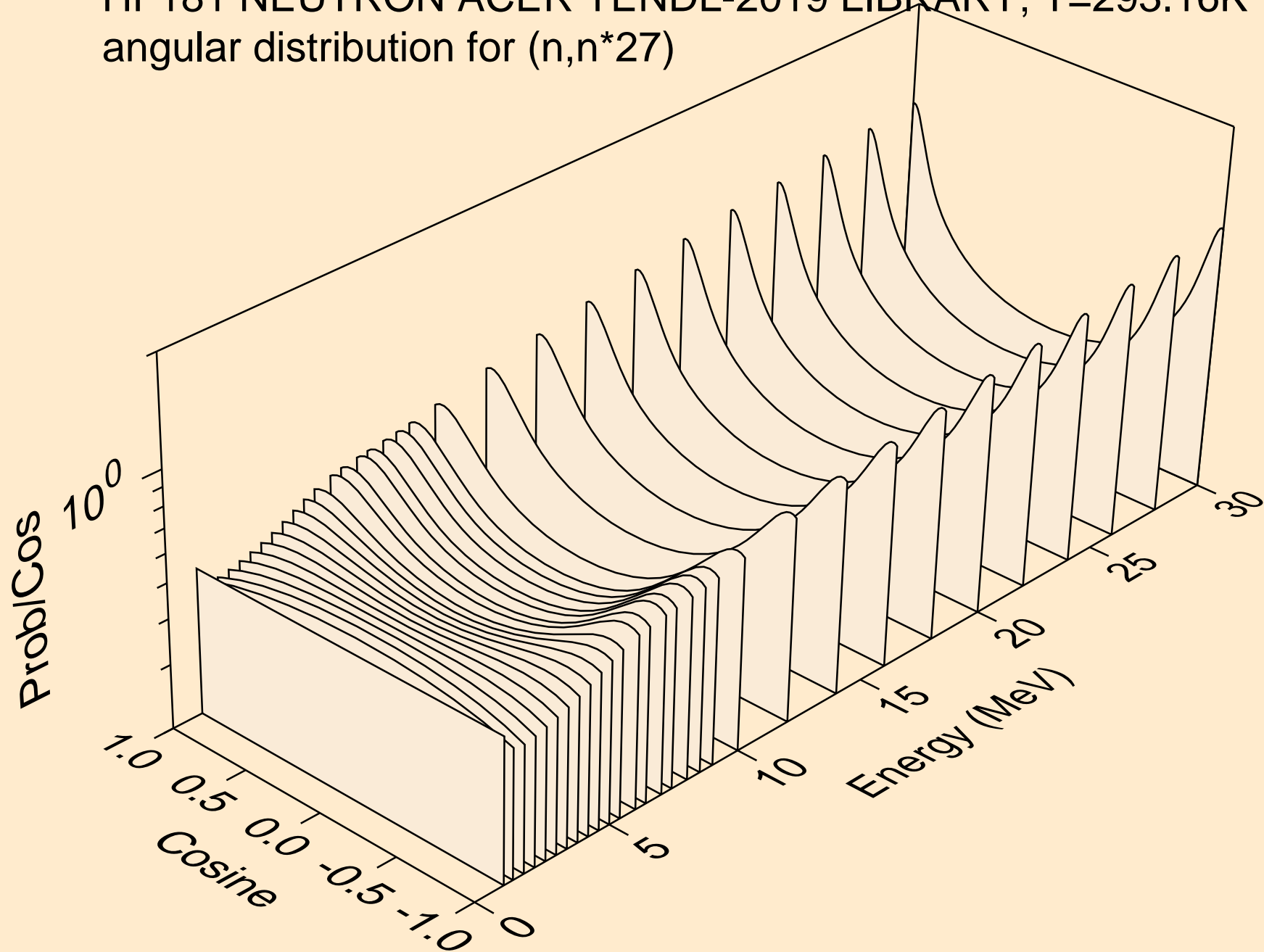
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angular distribution for (n,n*25)



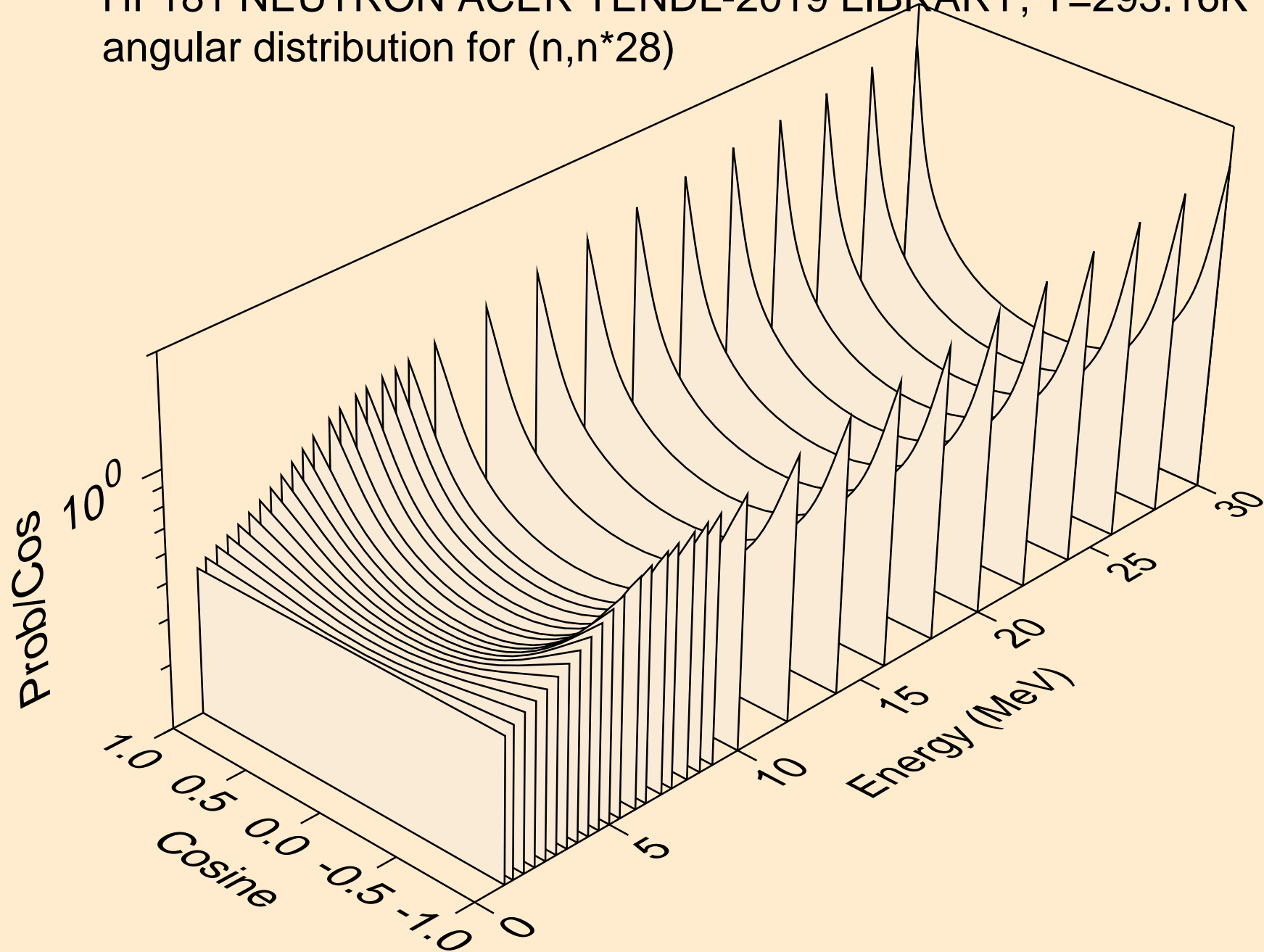
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



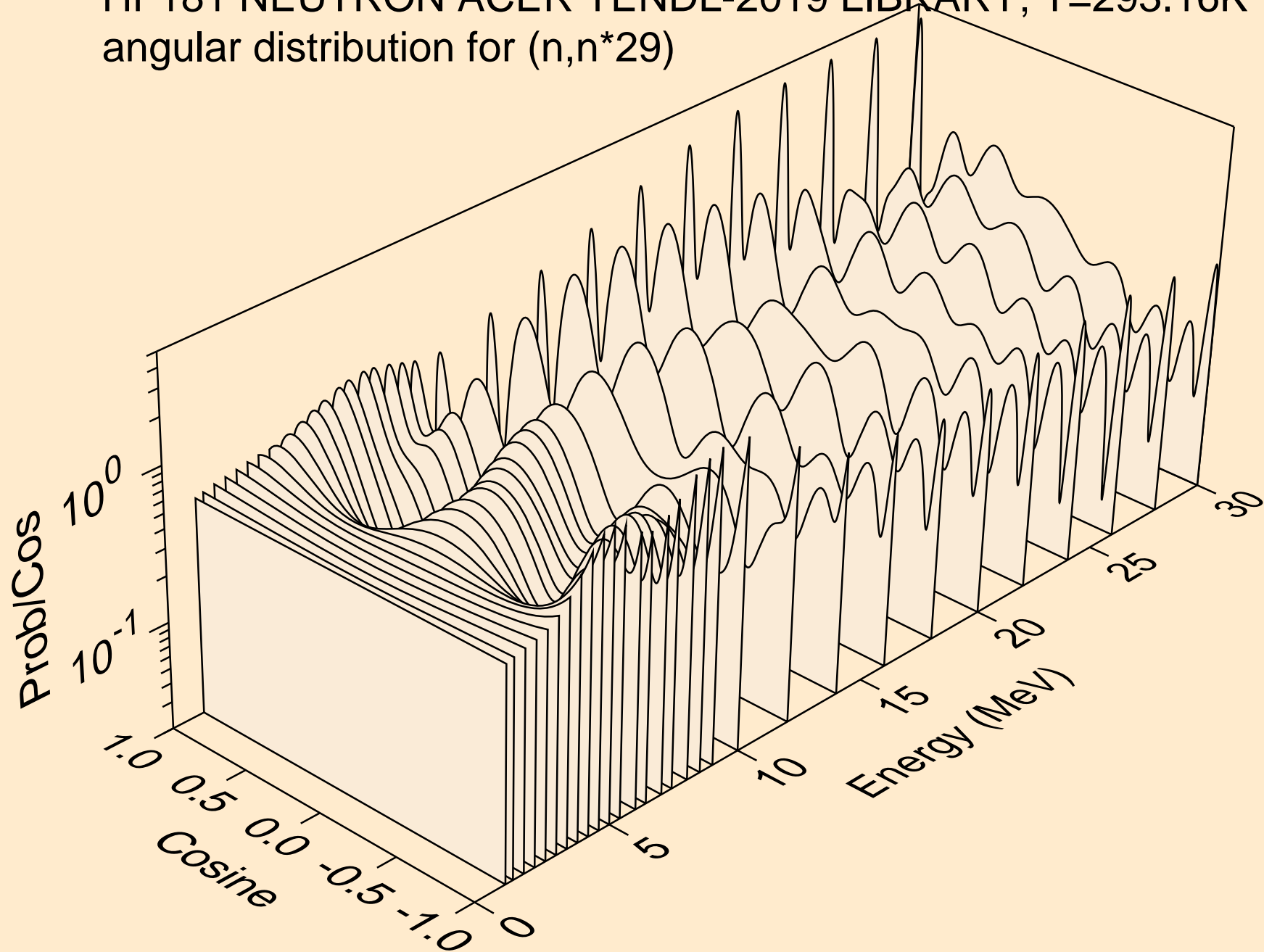
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



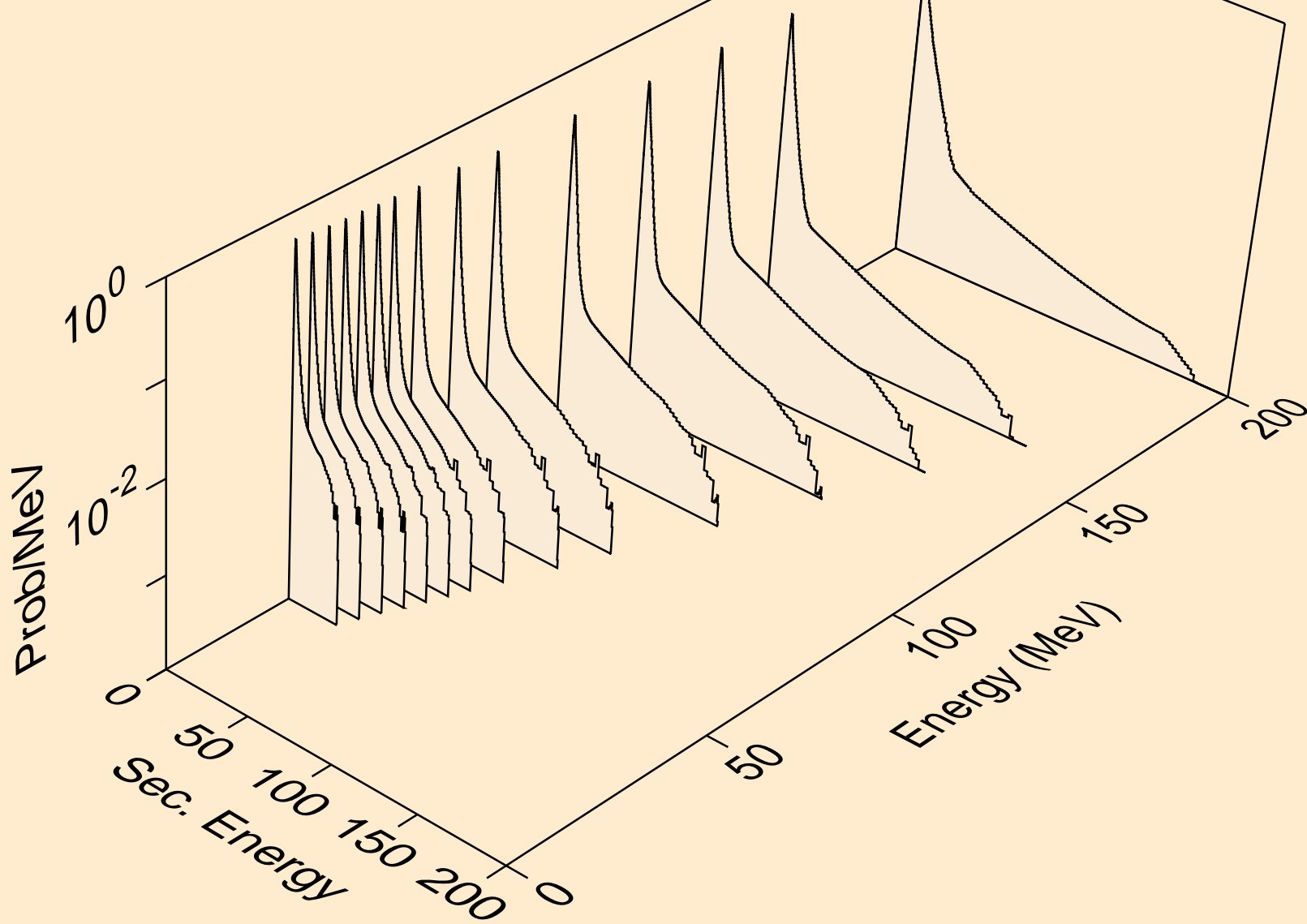
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



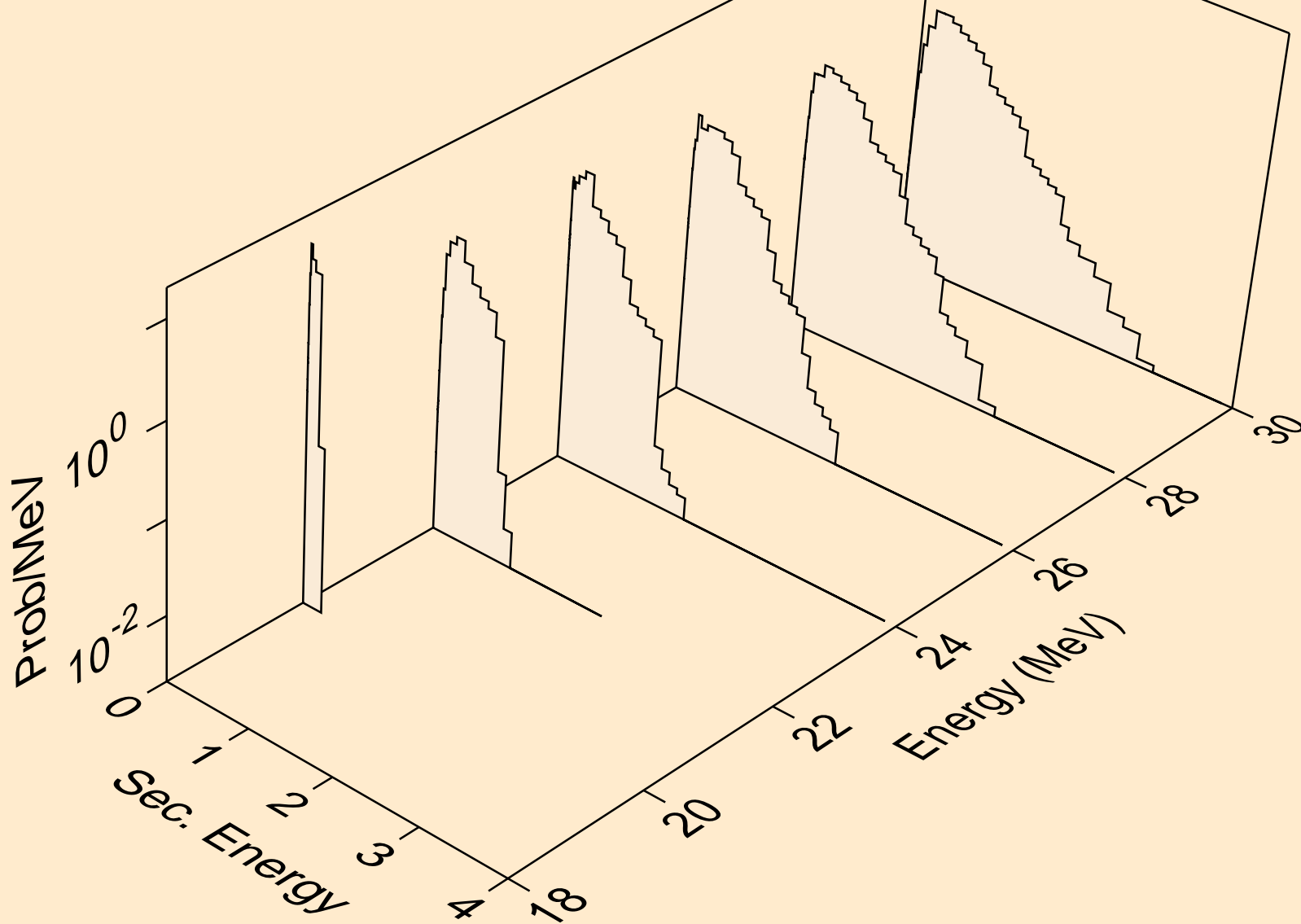
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



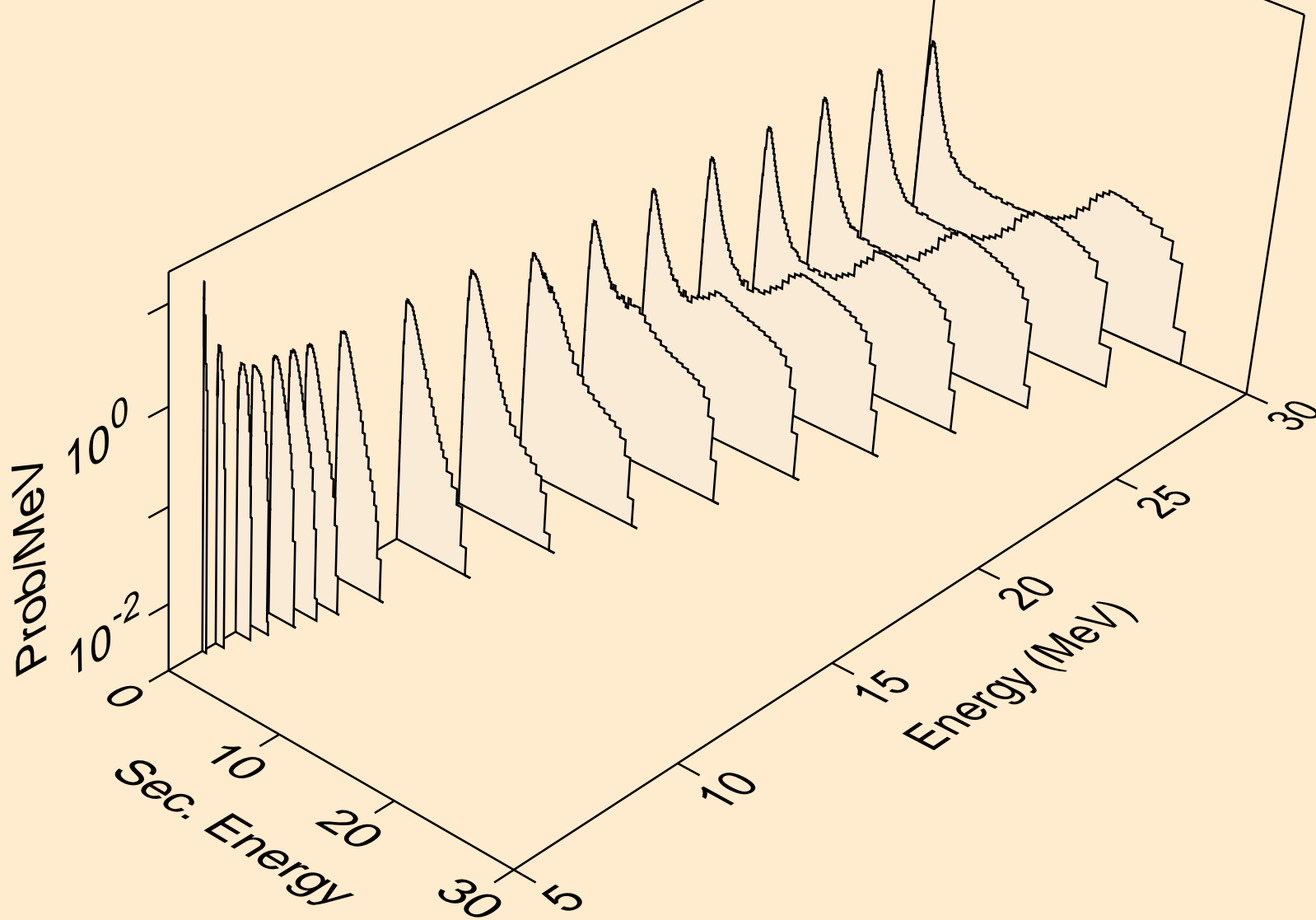
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



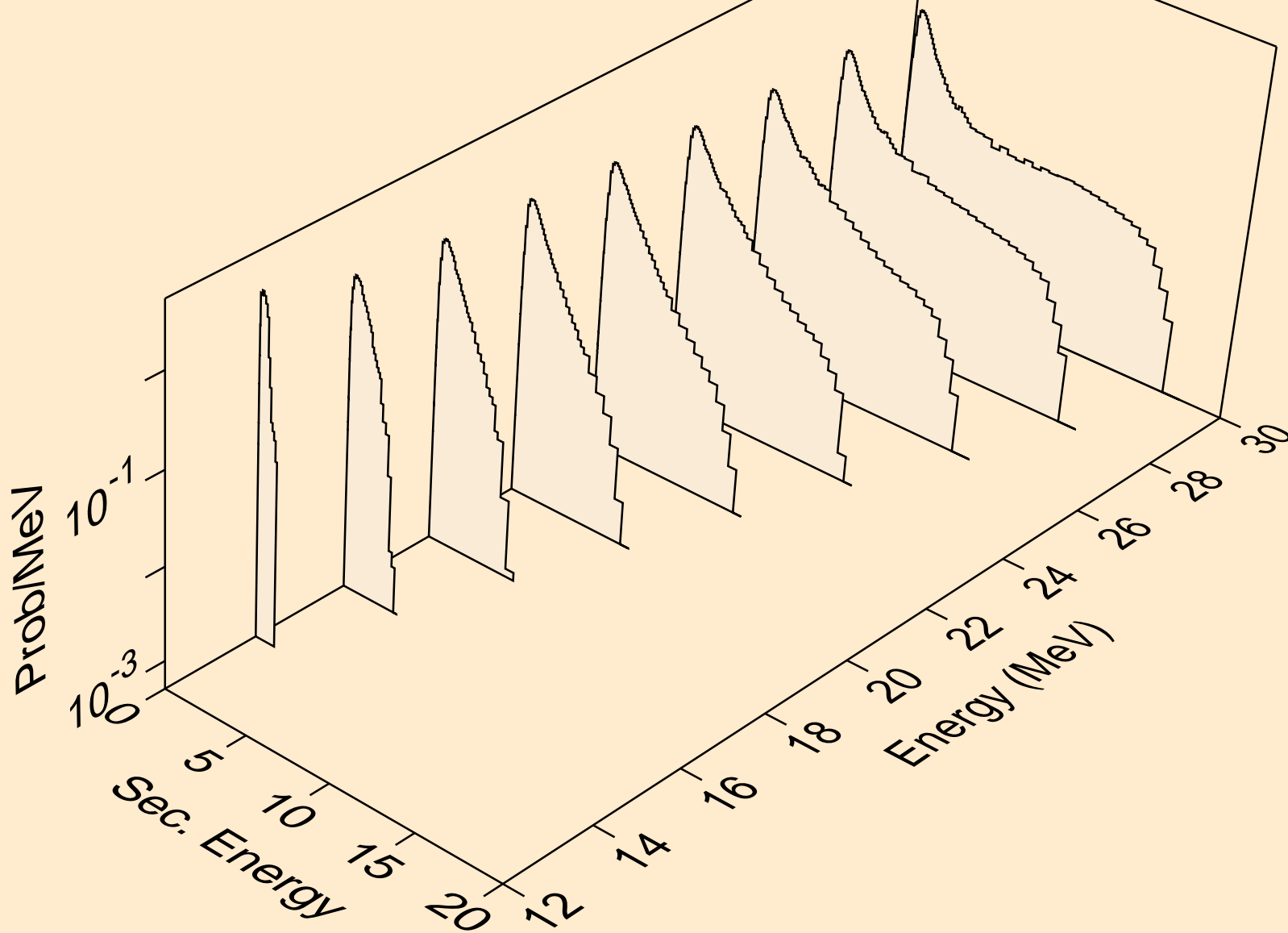
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



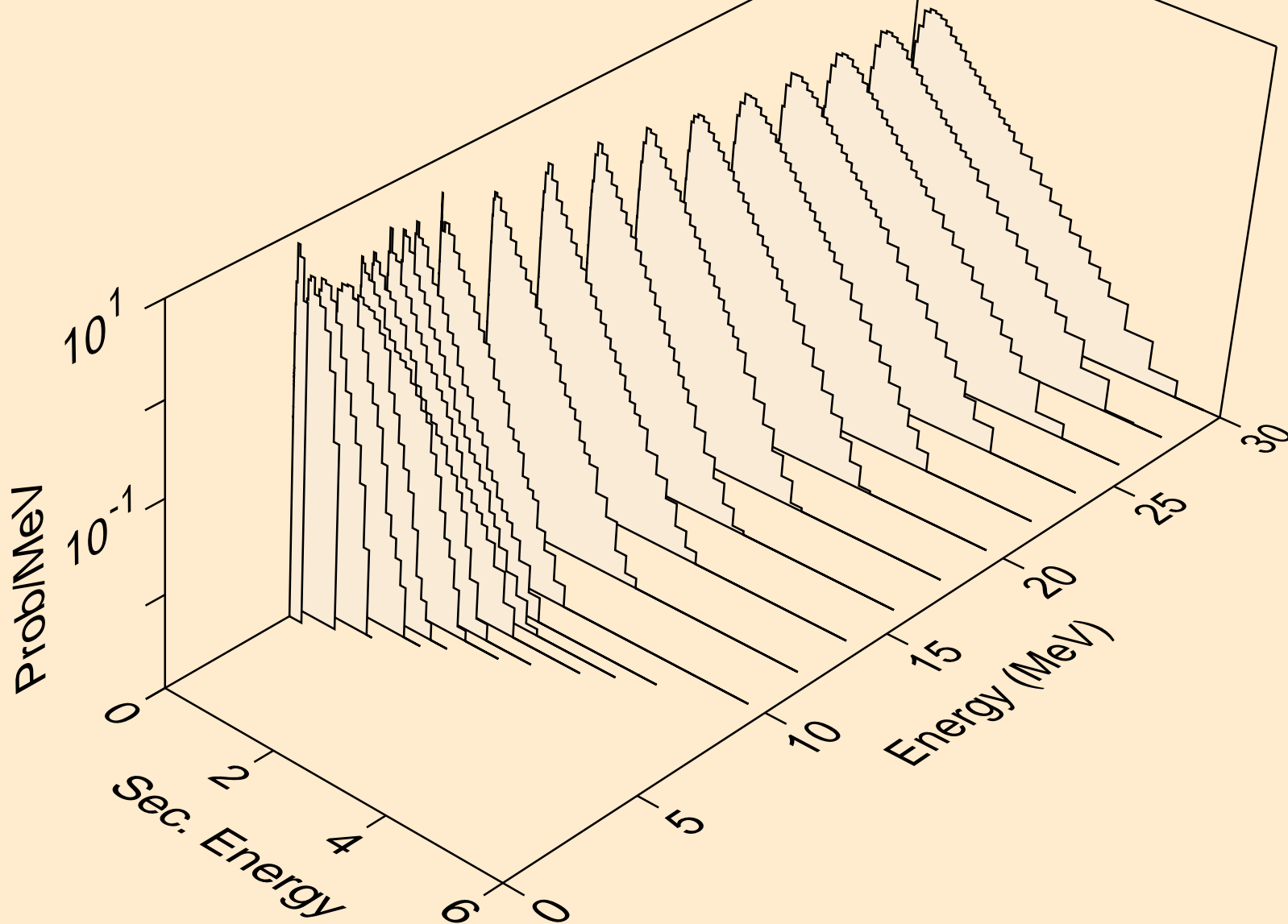
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



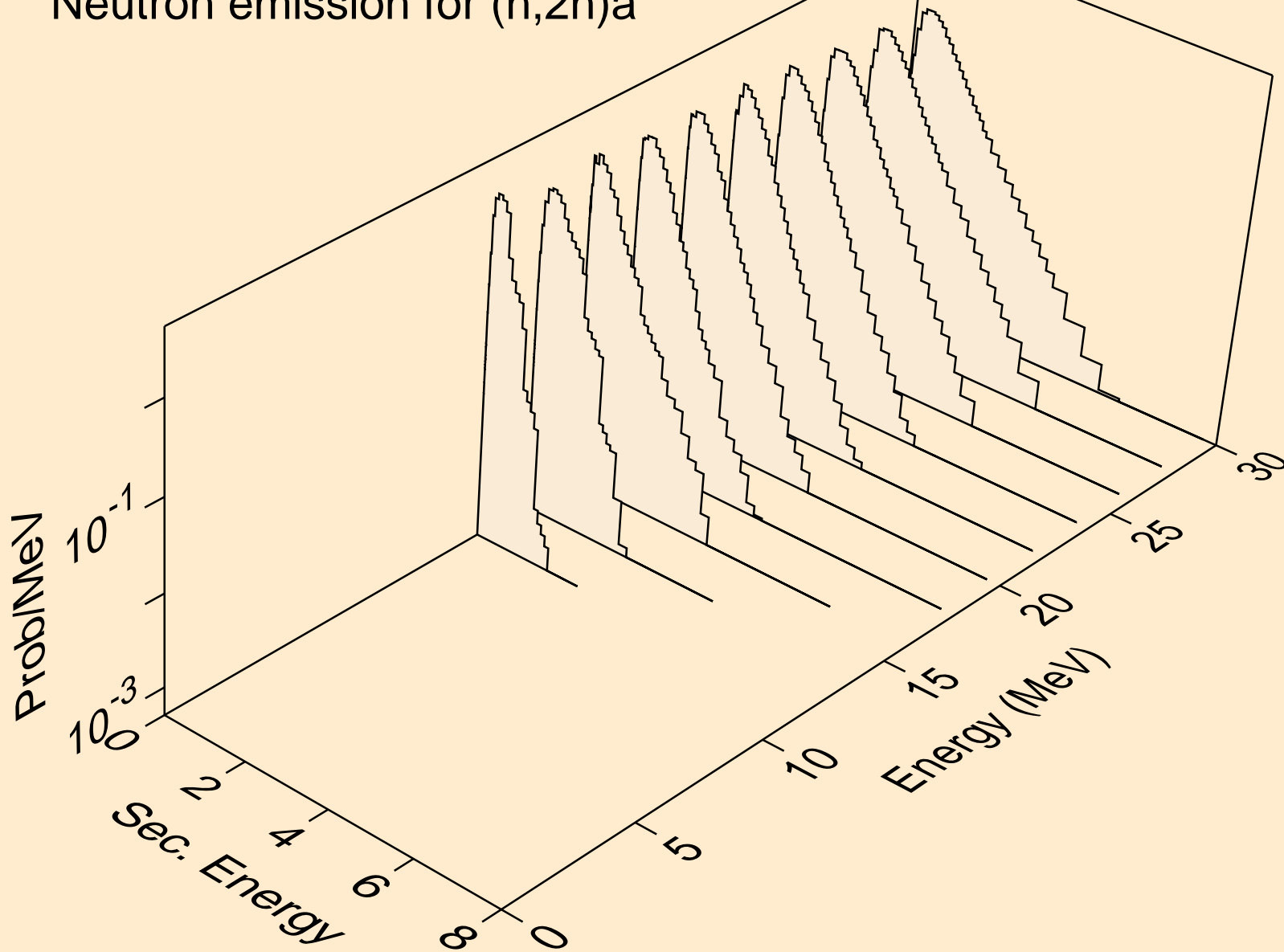
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



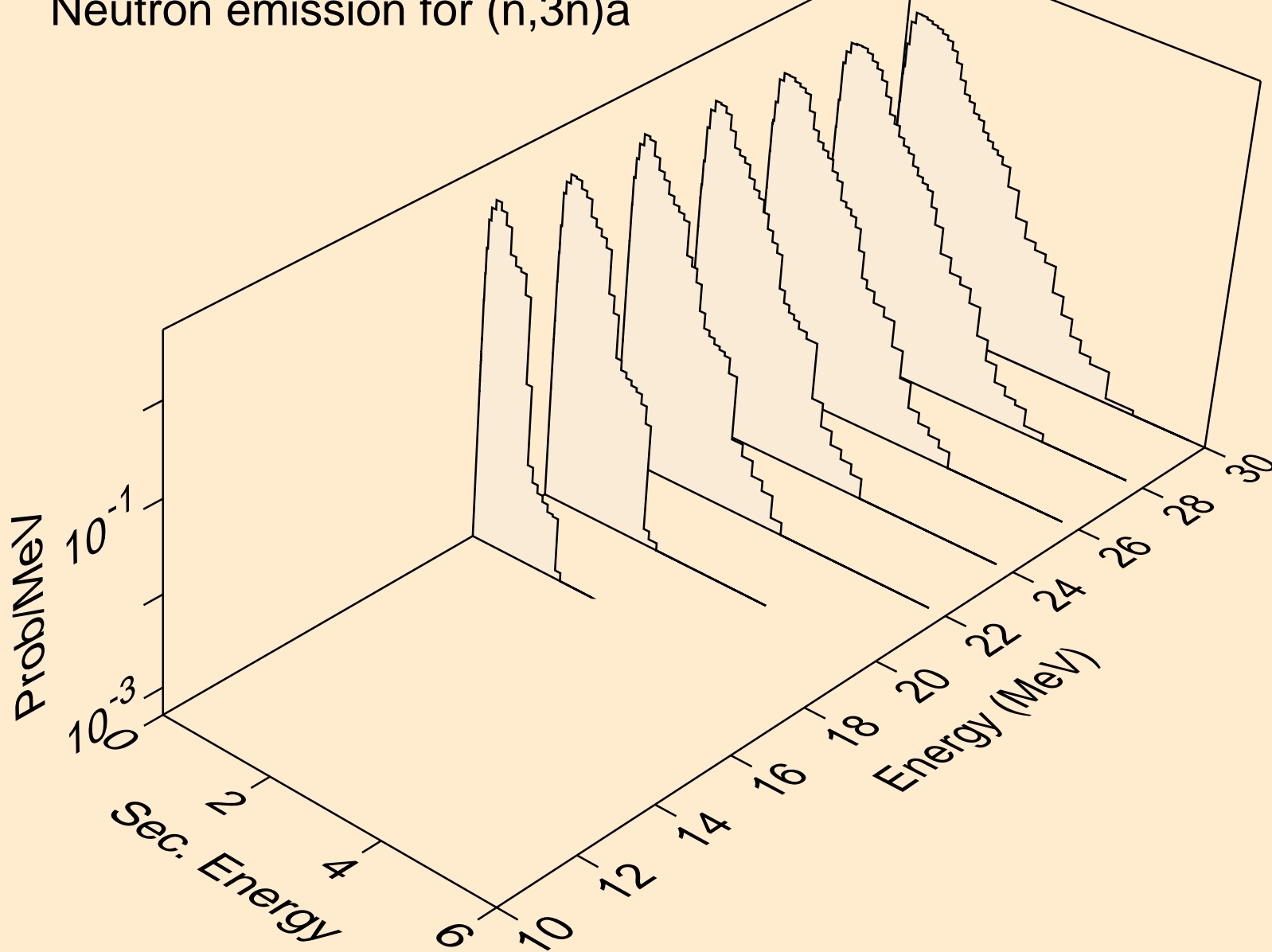
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



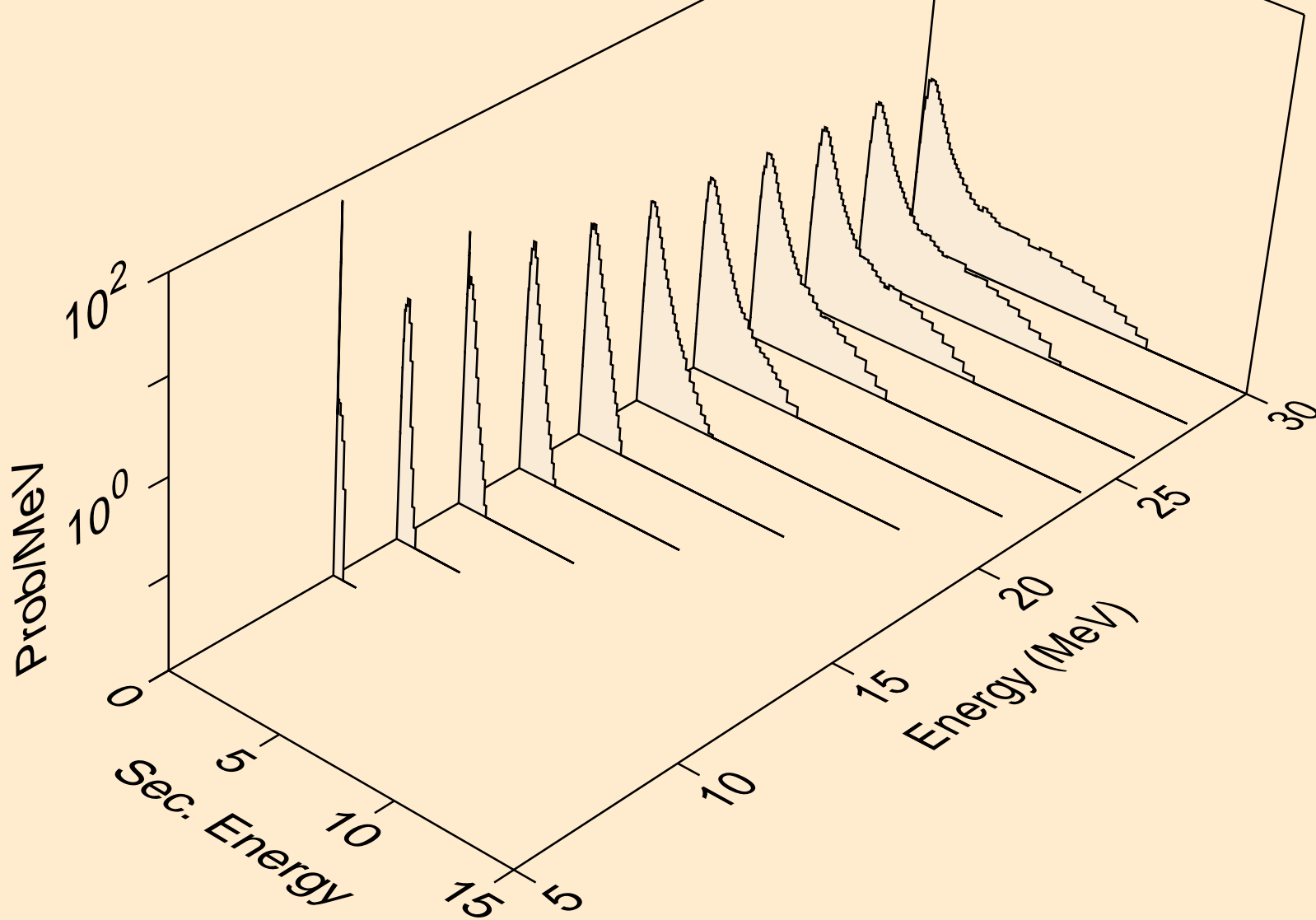
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



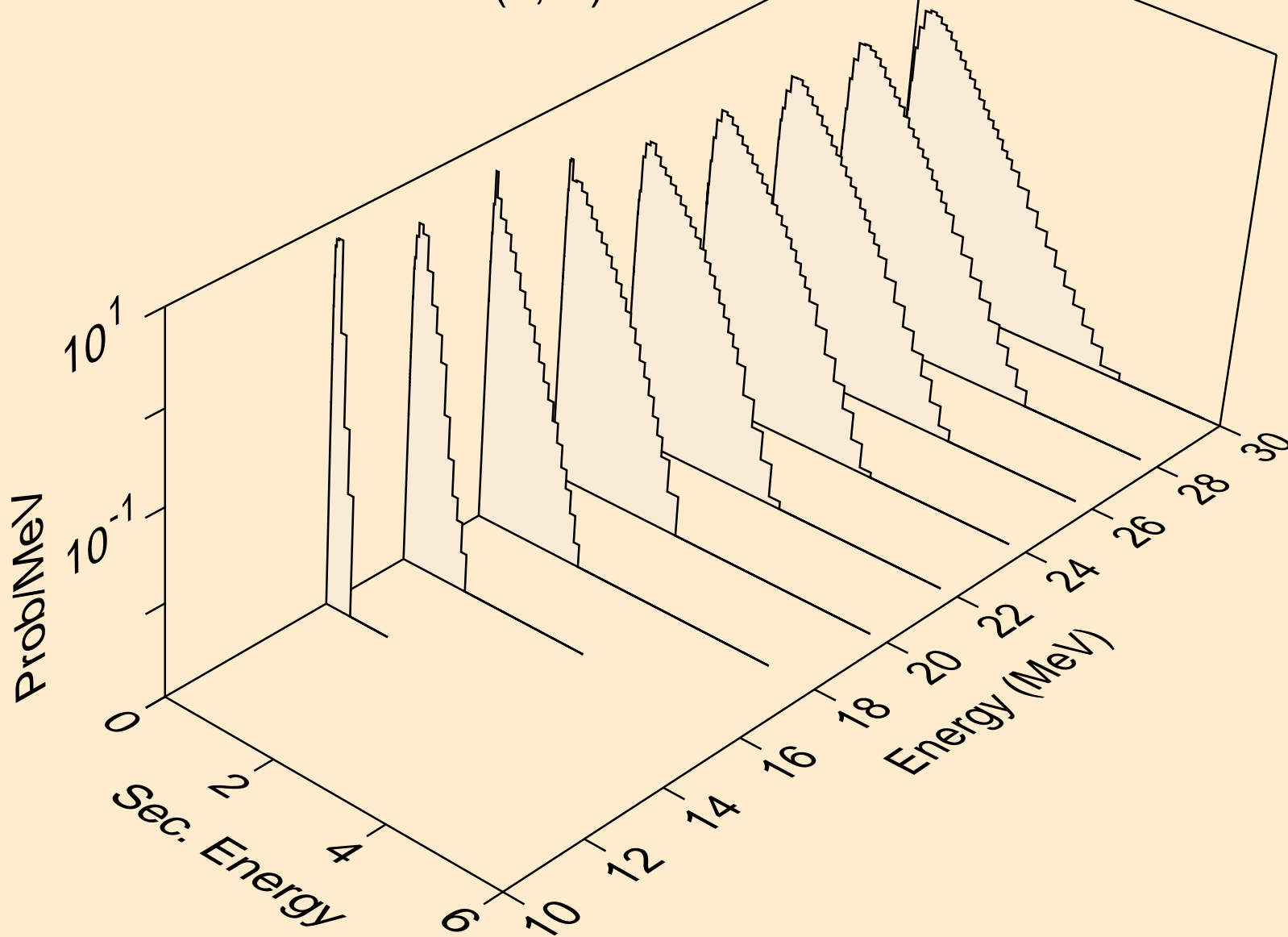
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



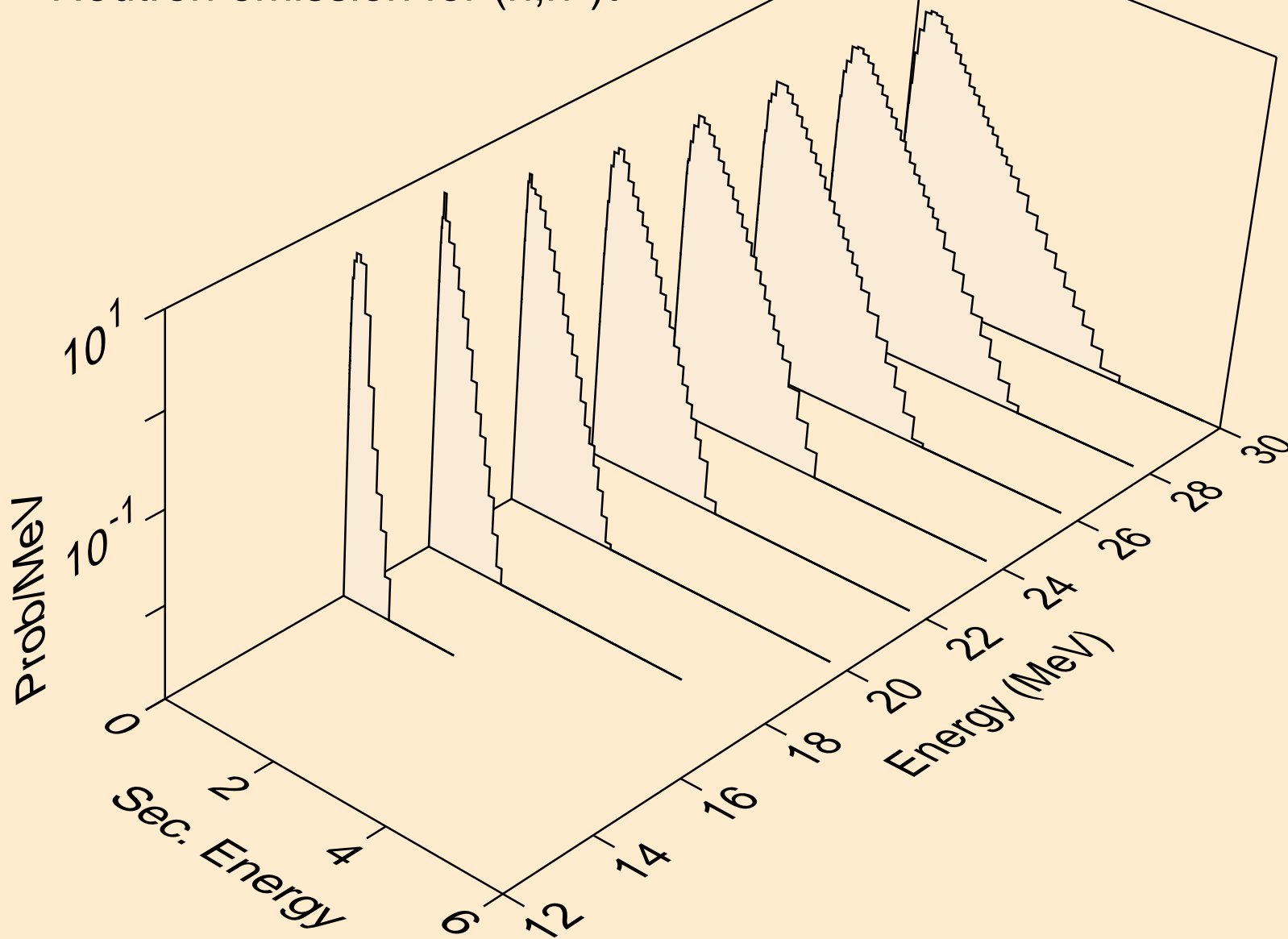
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



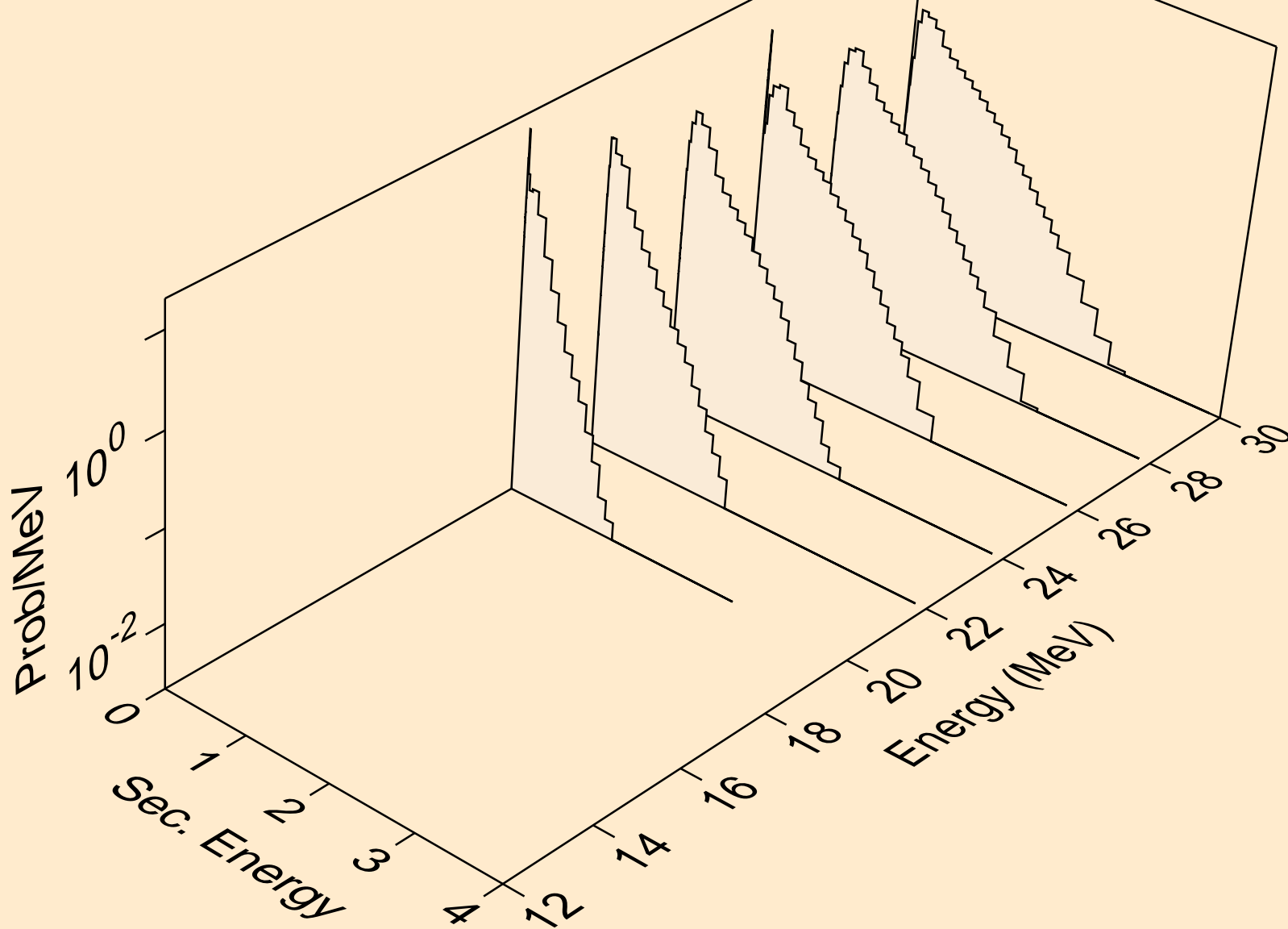
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



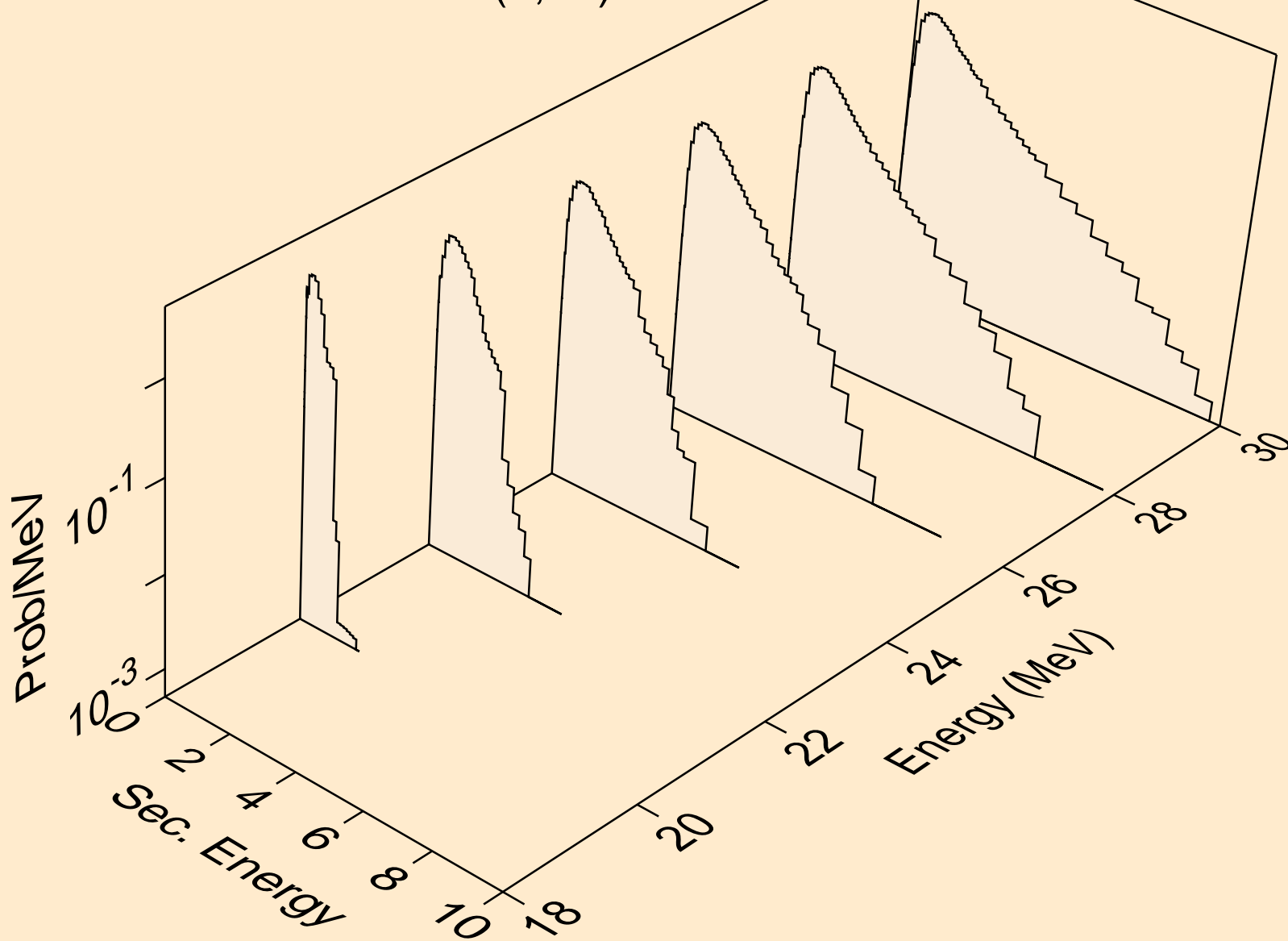
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



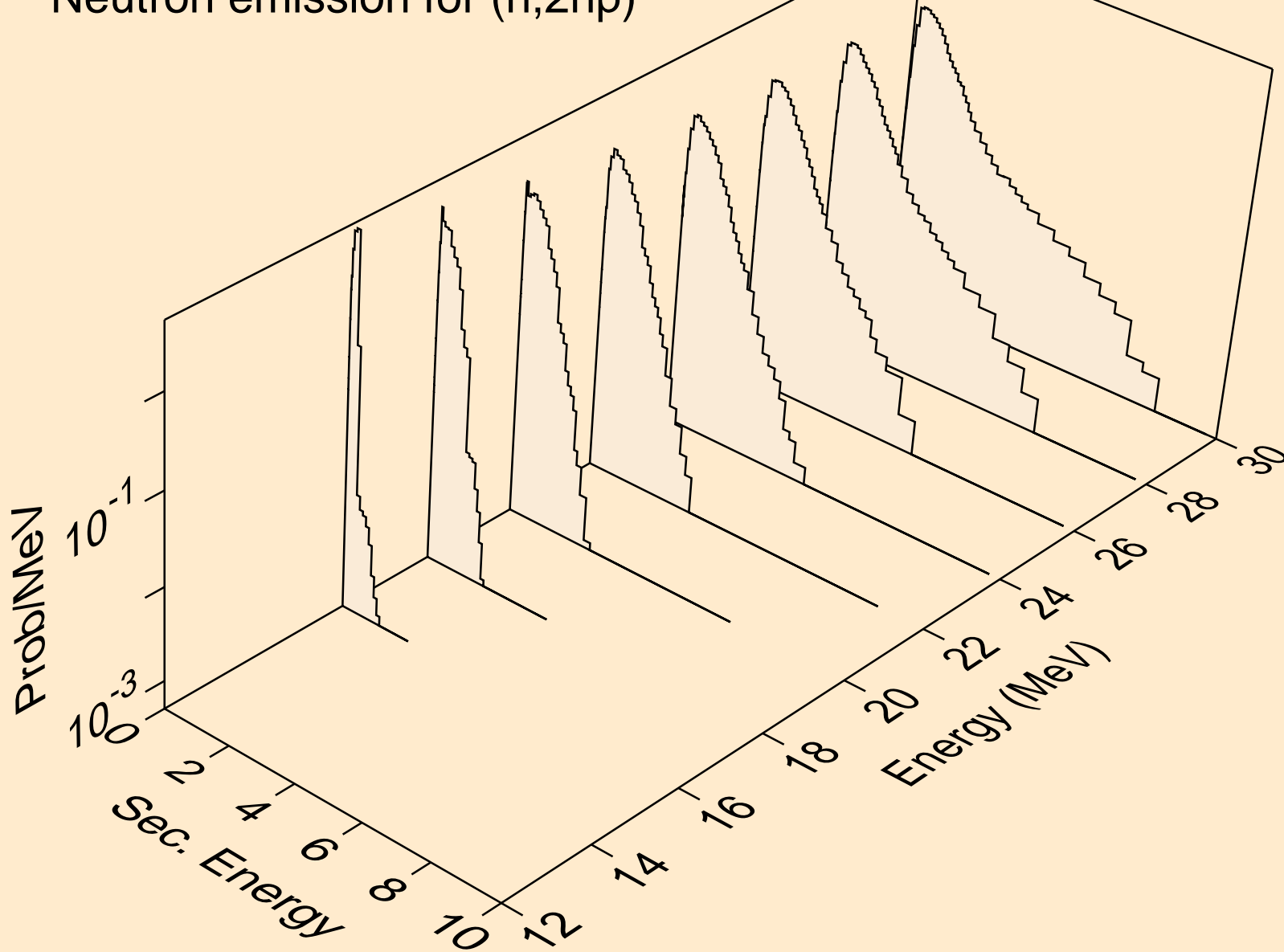
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



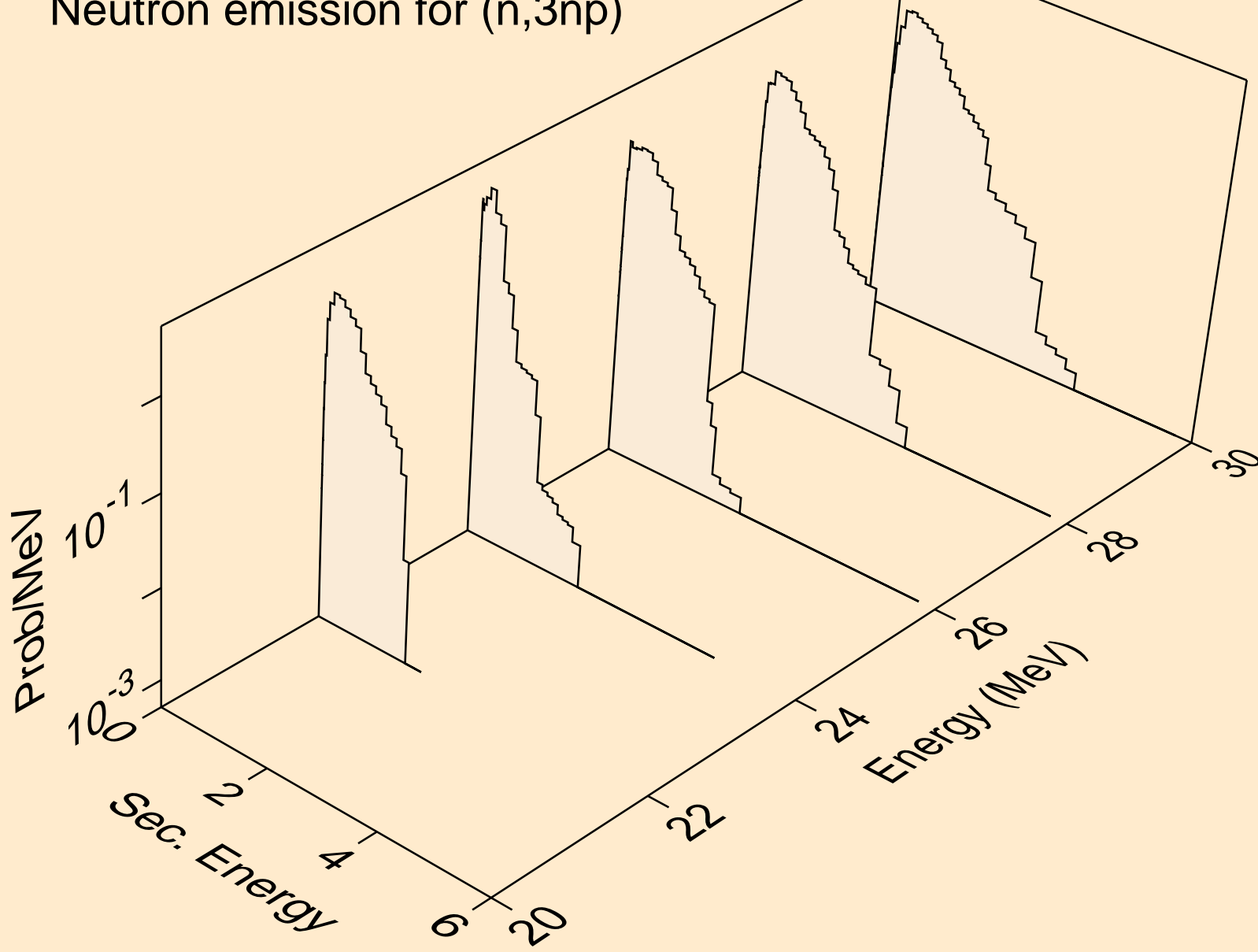
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



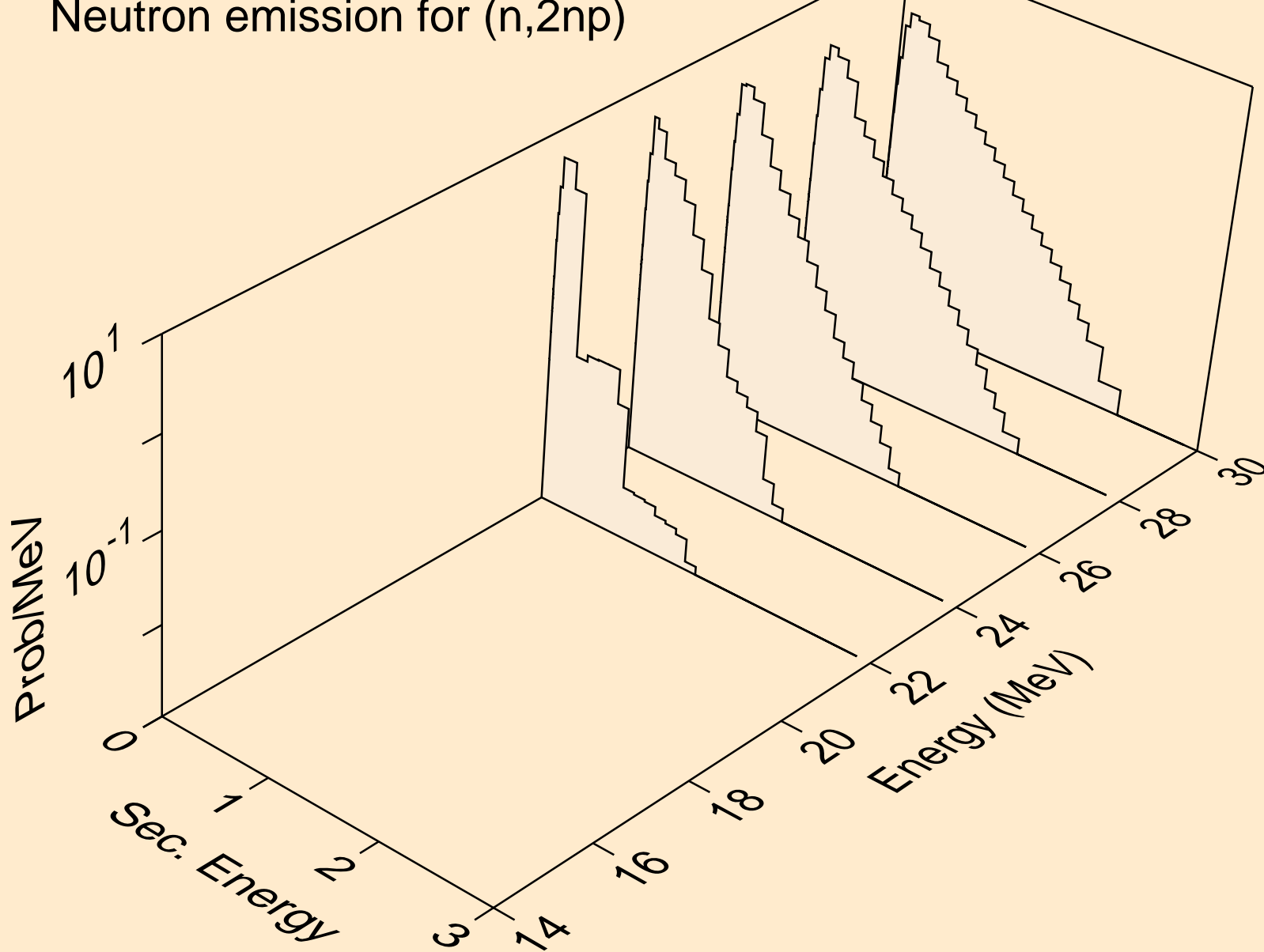
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



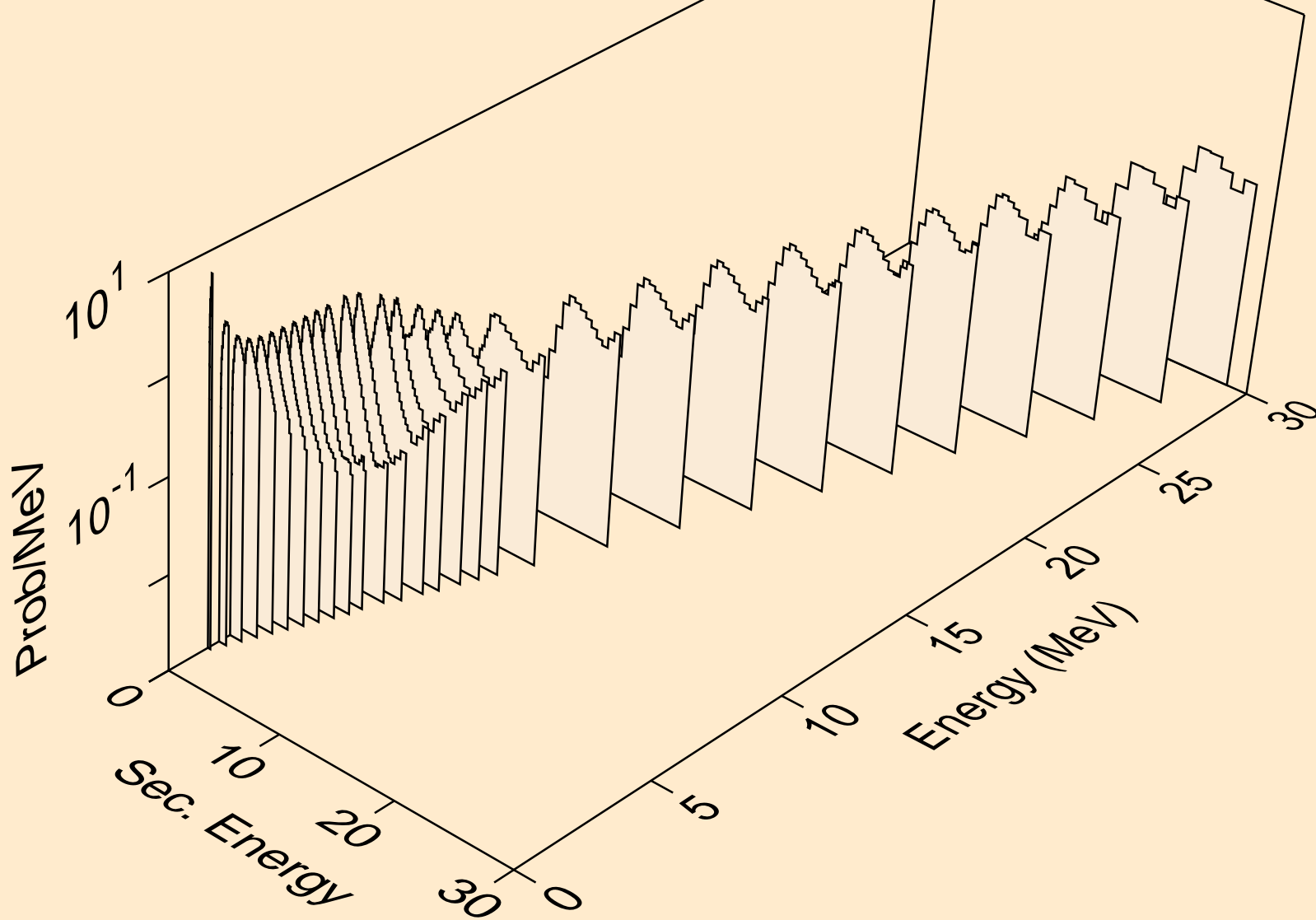
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



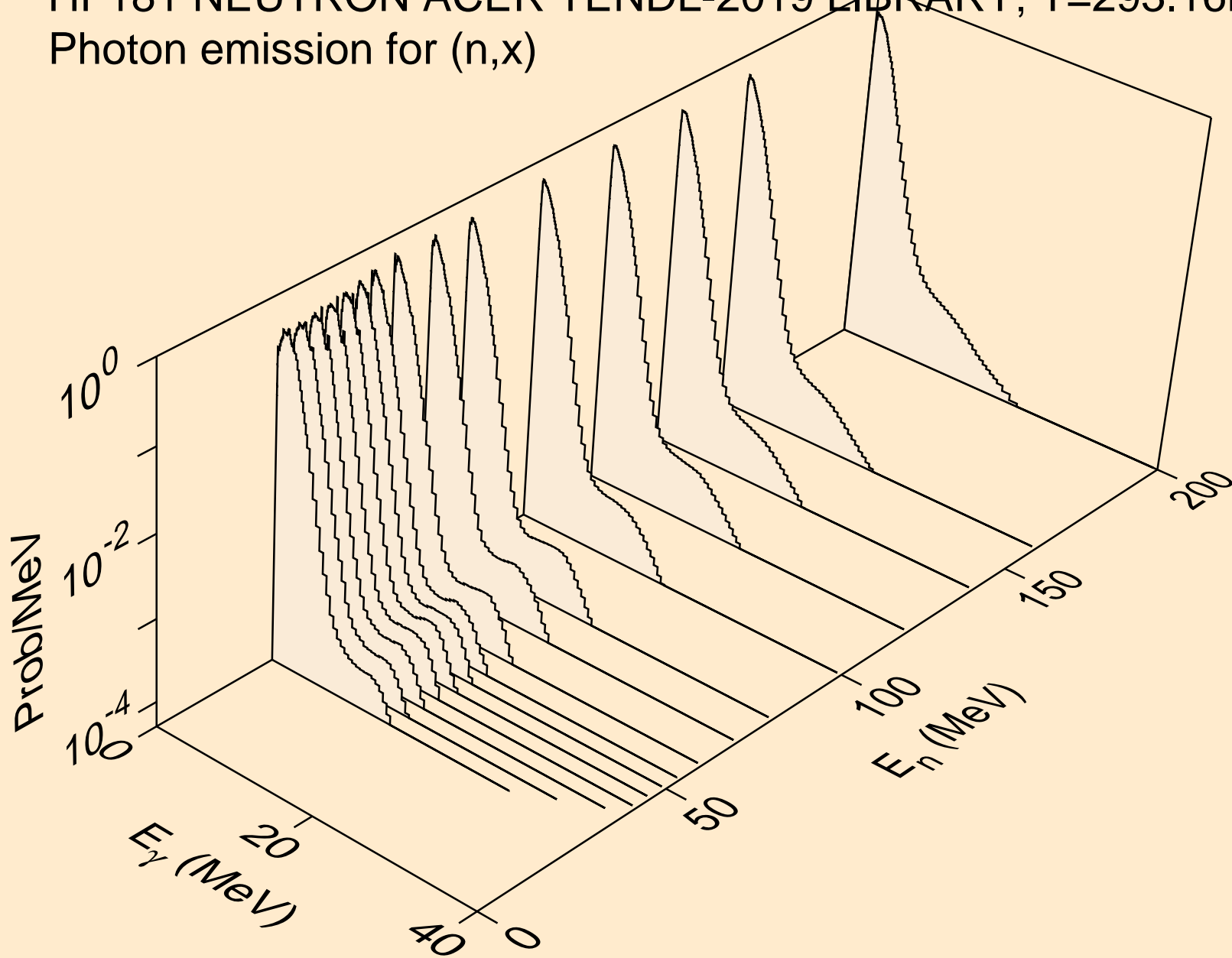
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



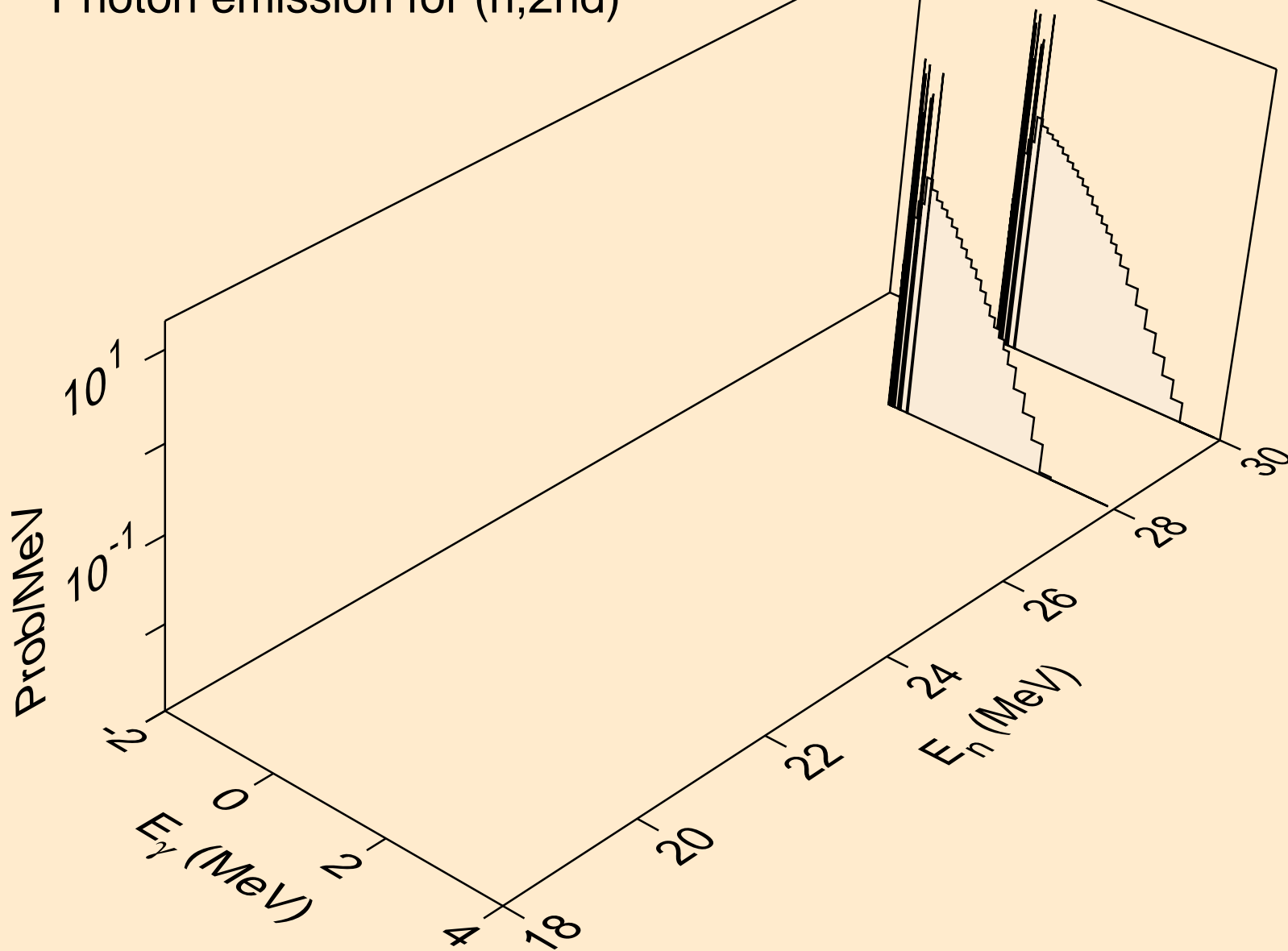
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



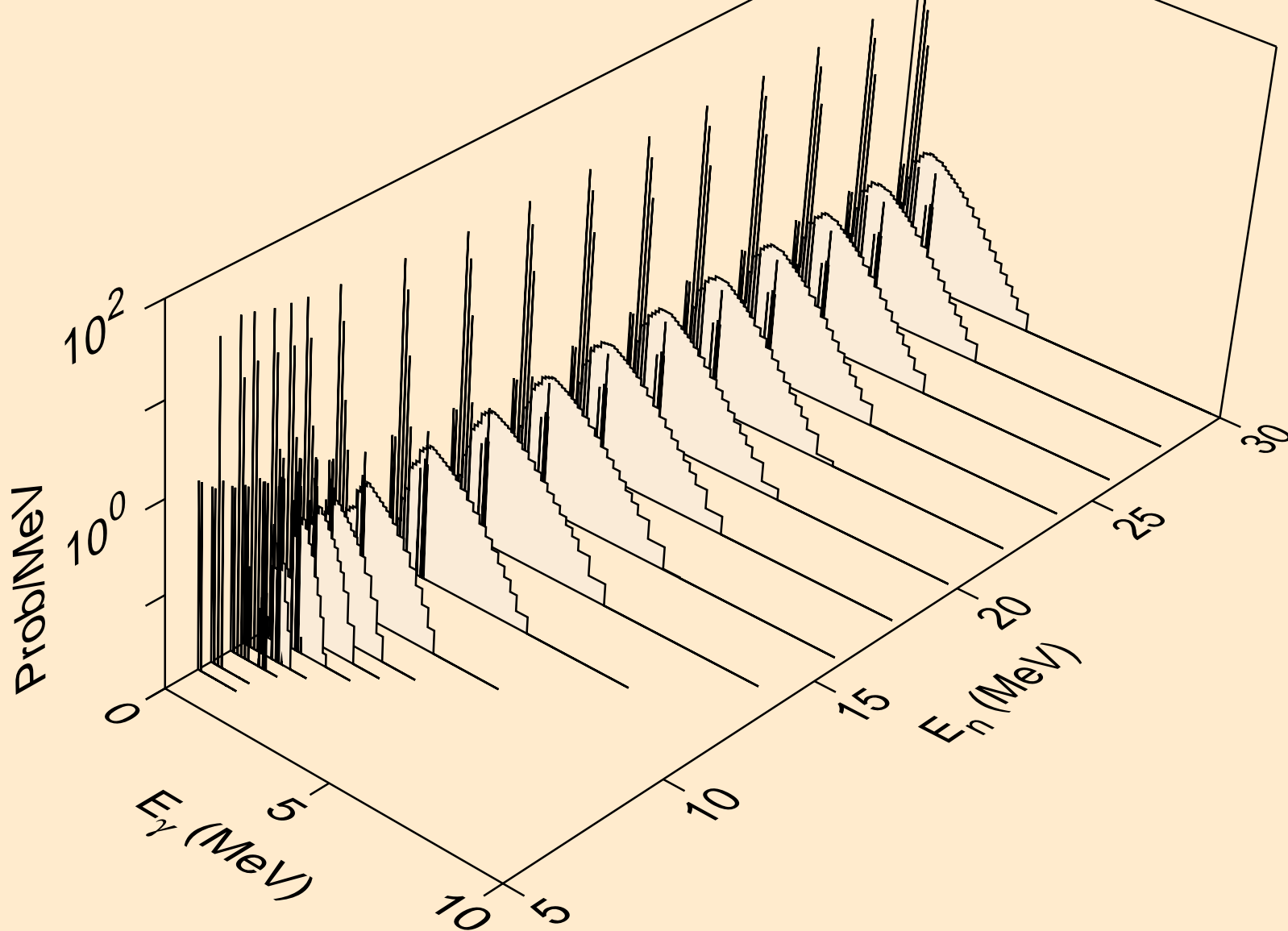
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



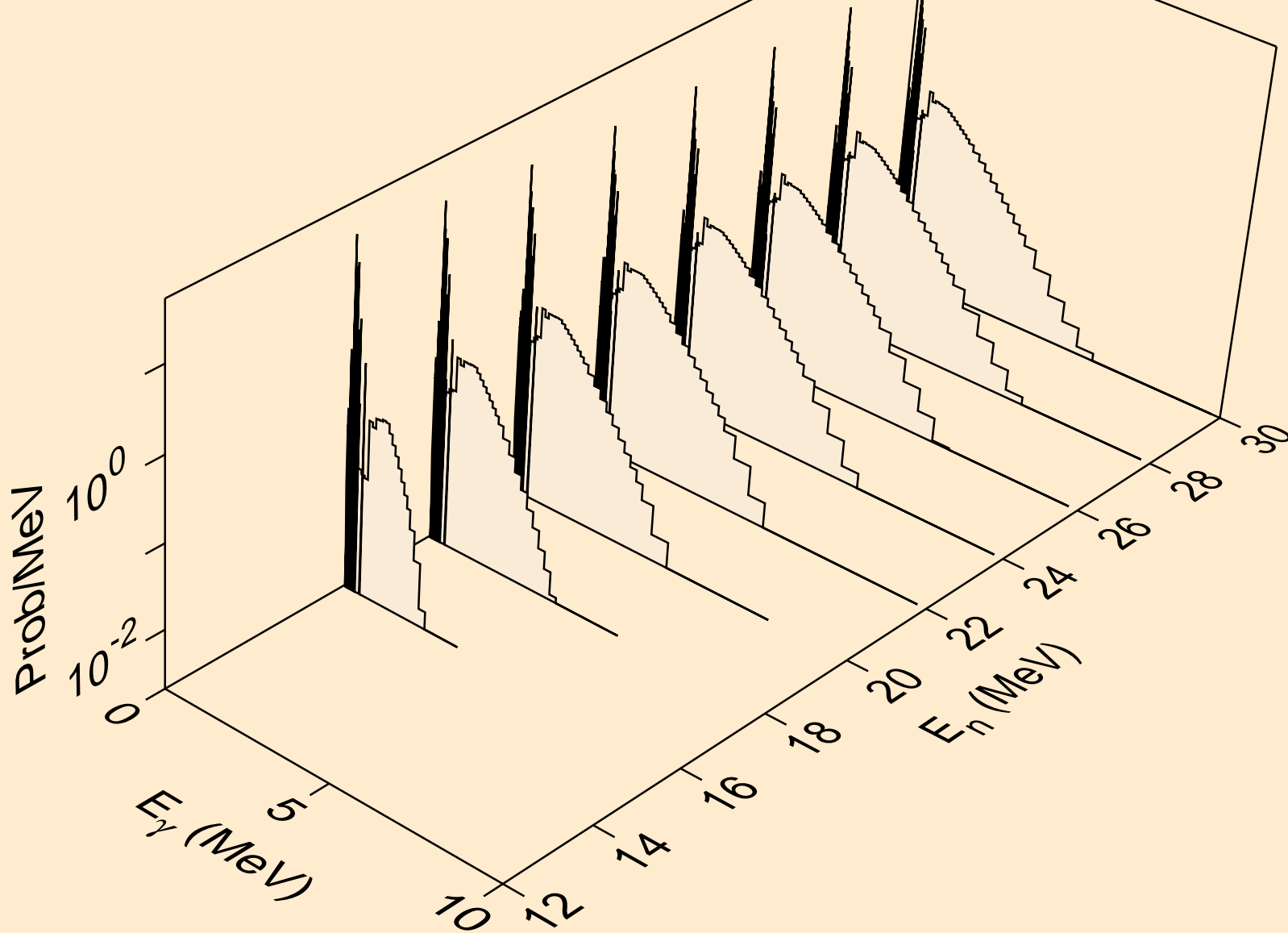
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



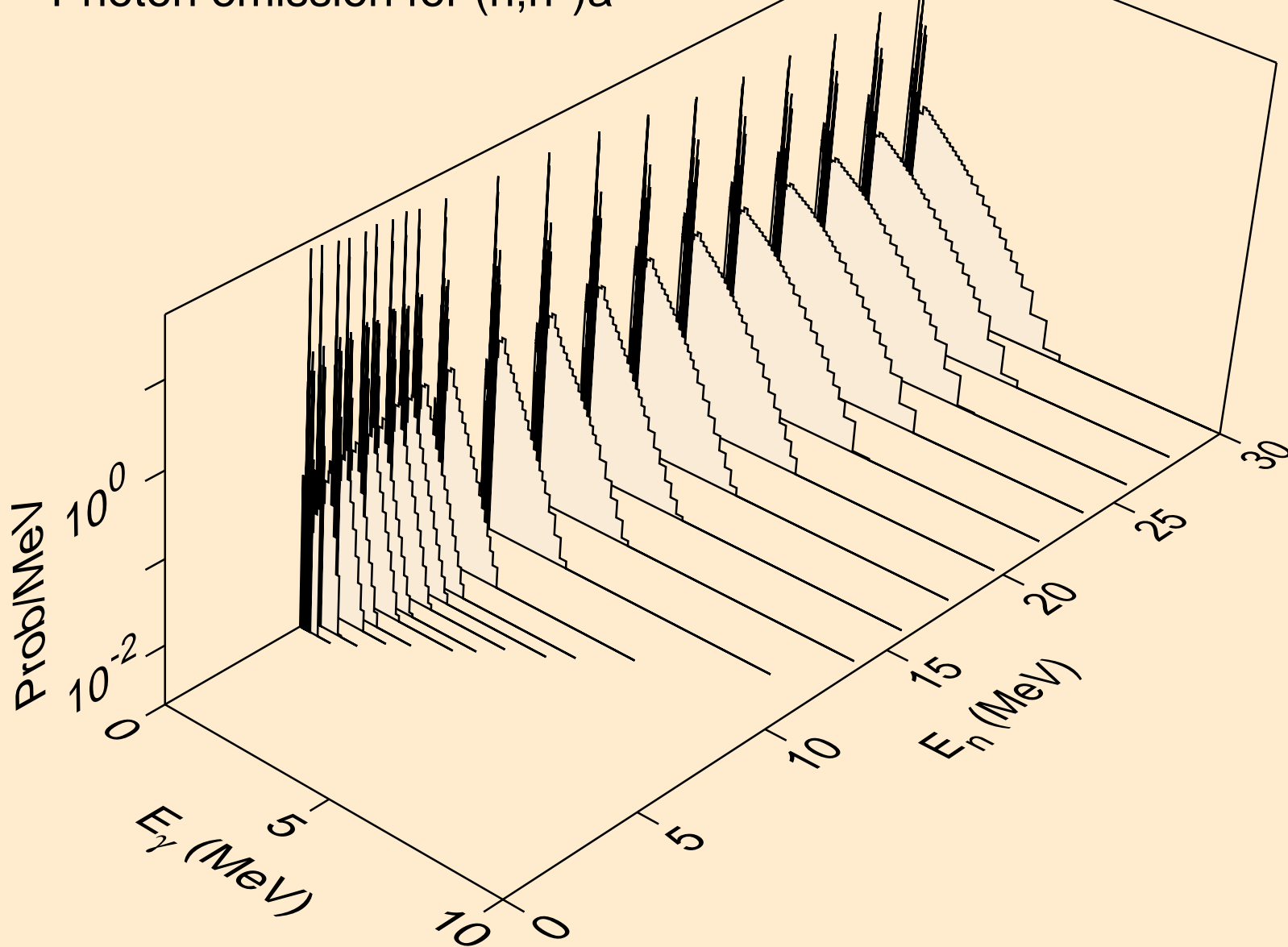
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



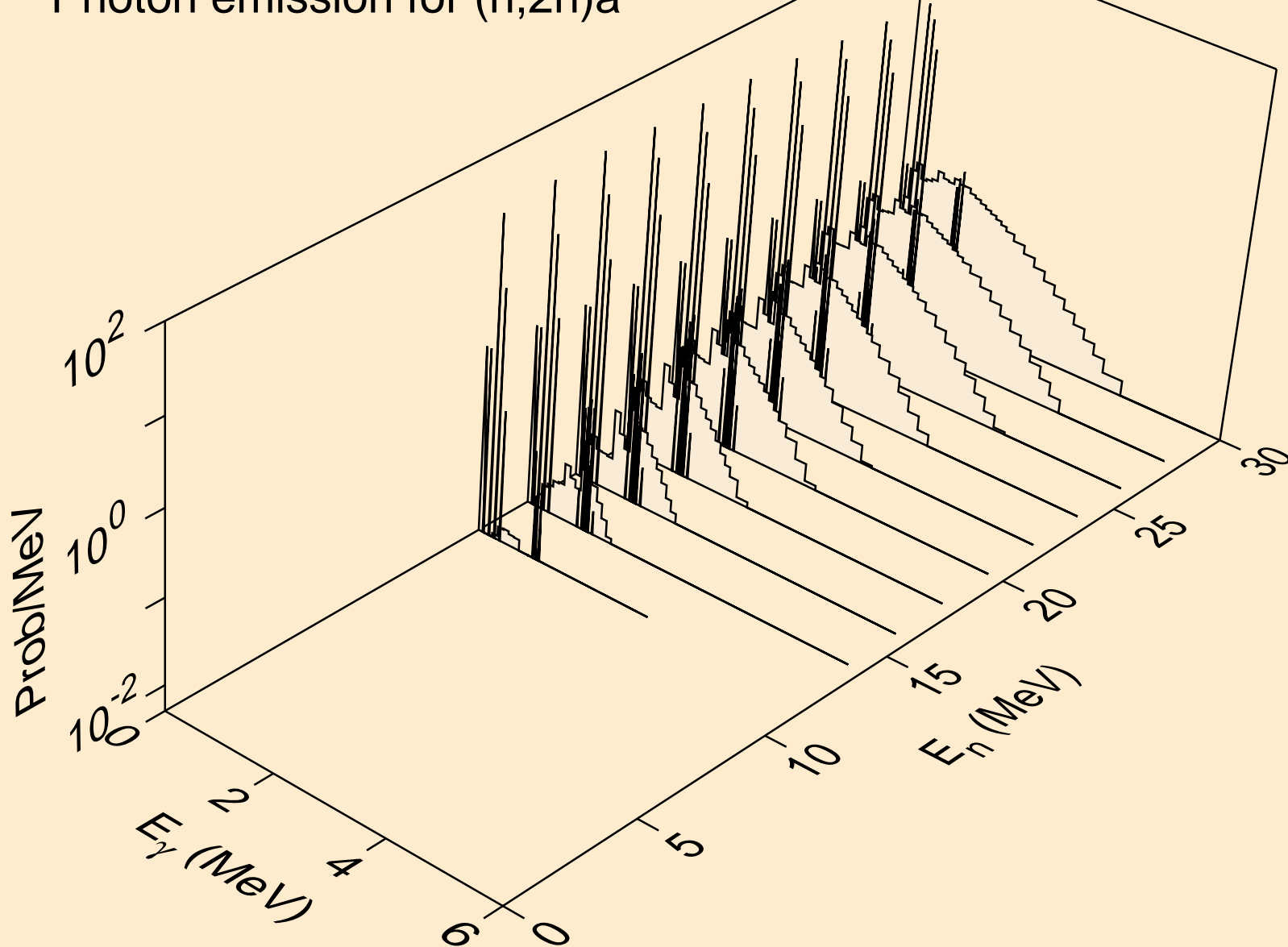
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



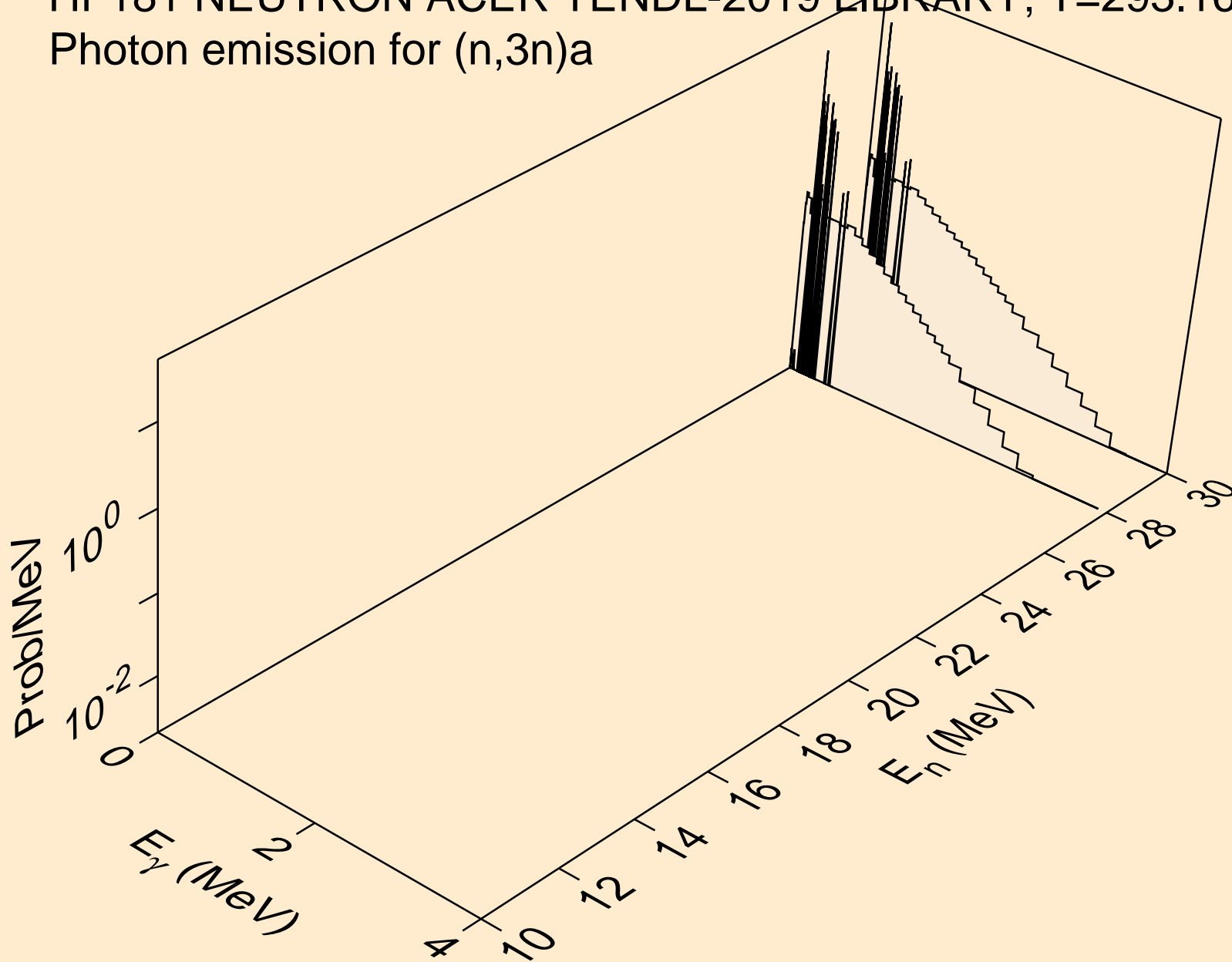
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



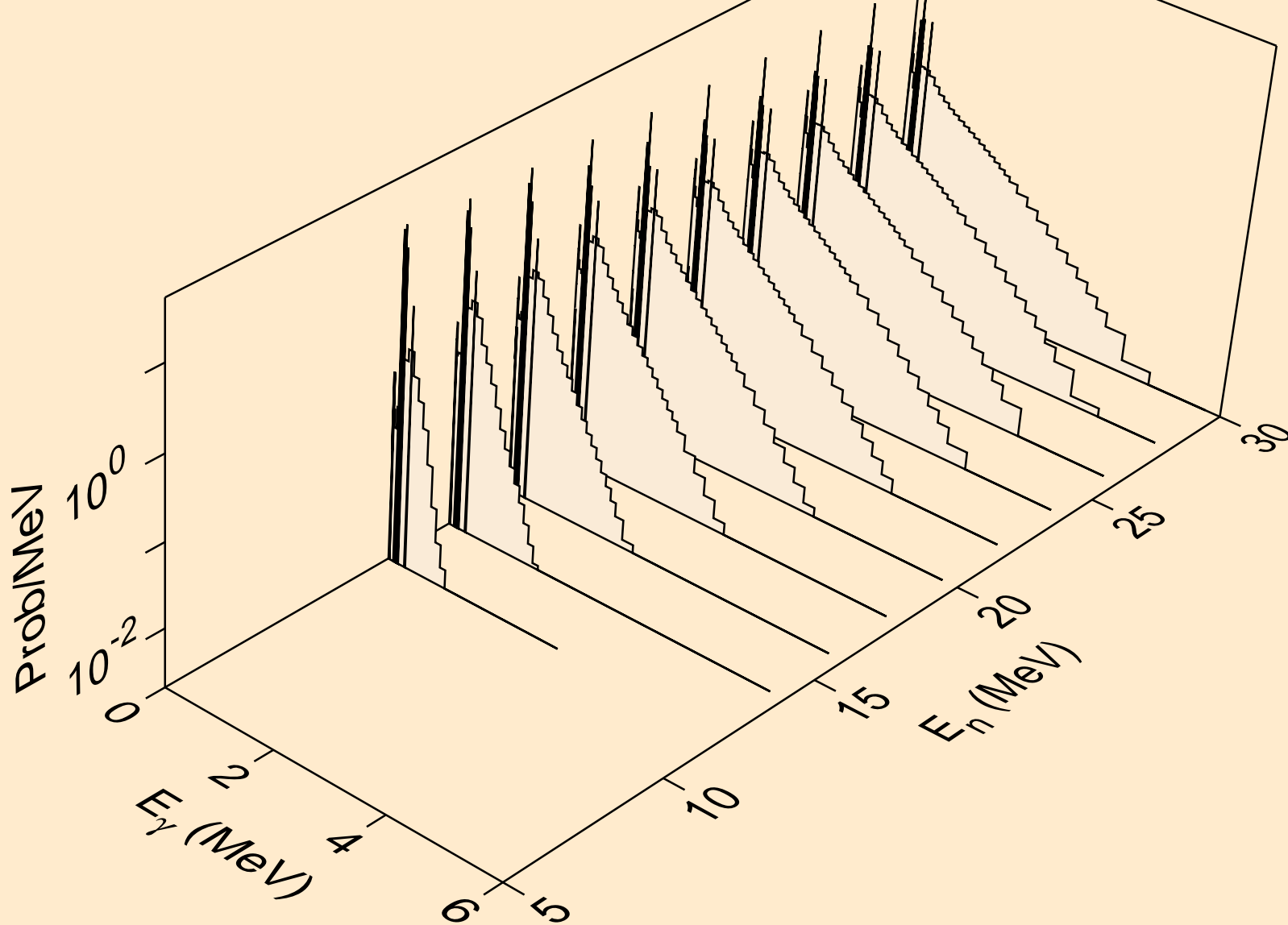
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



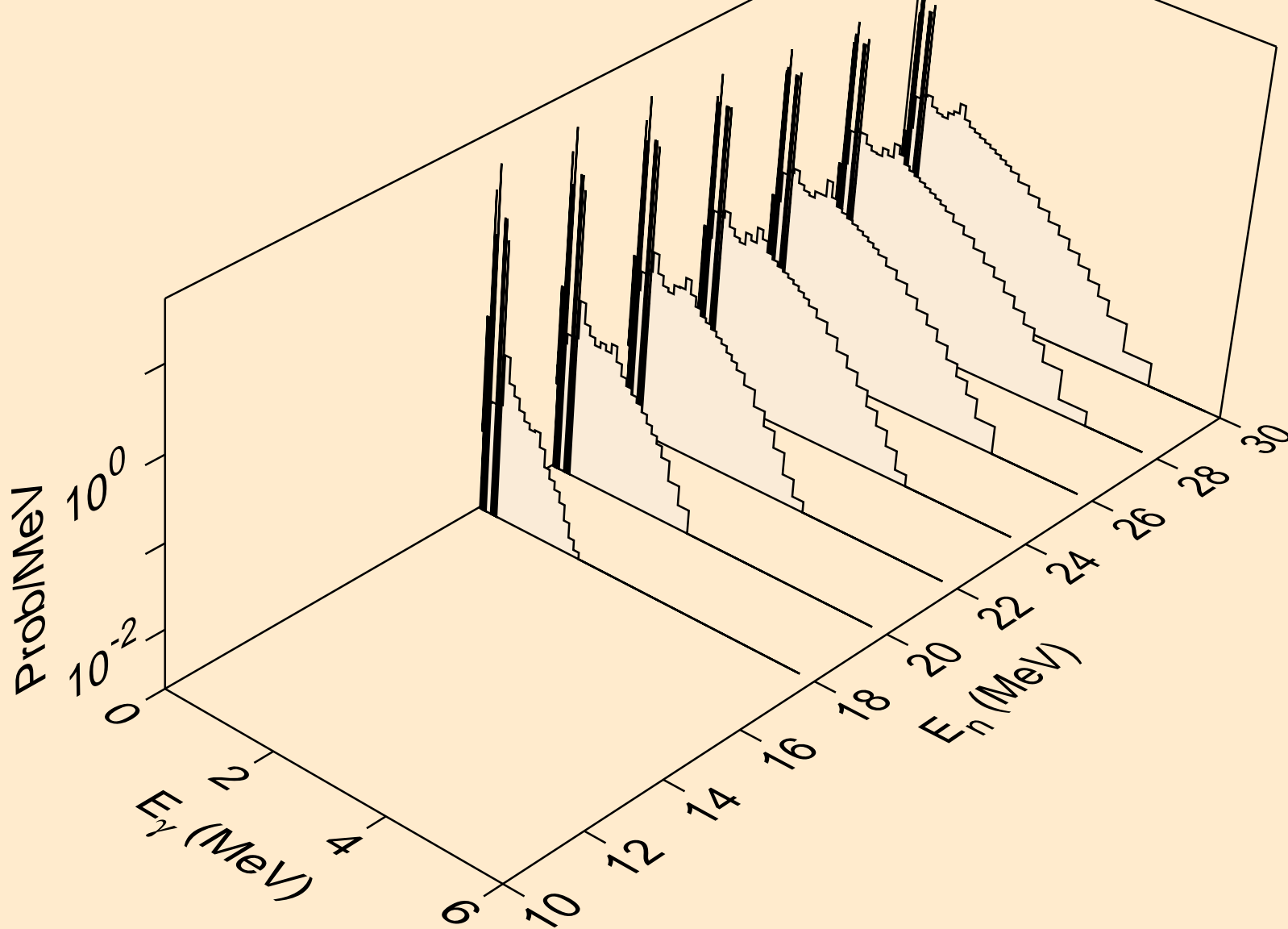
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



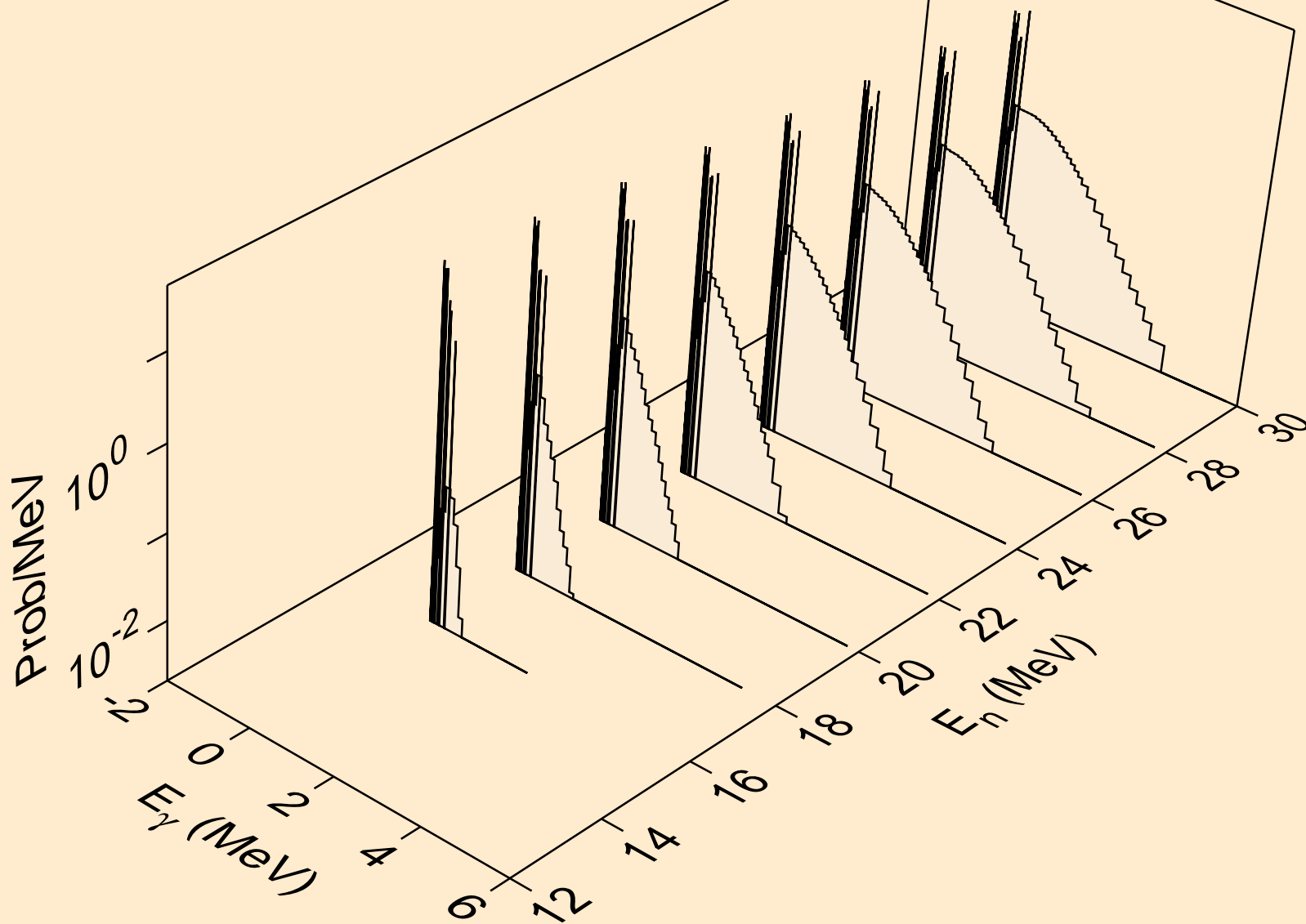
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



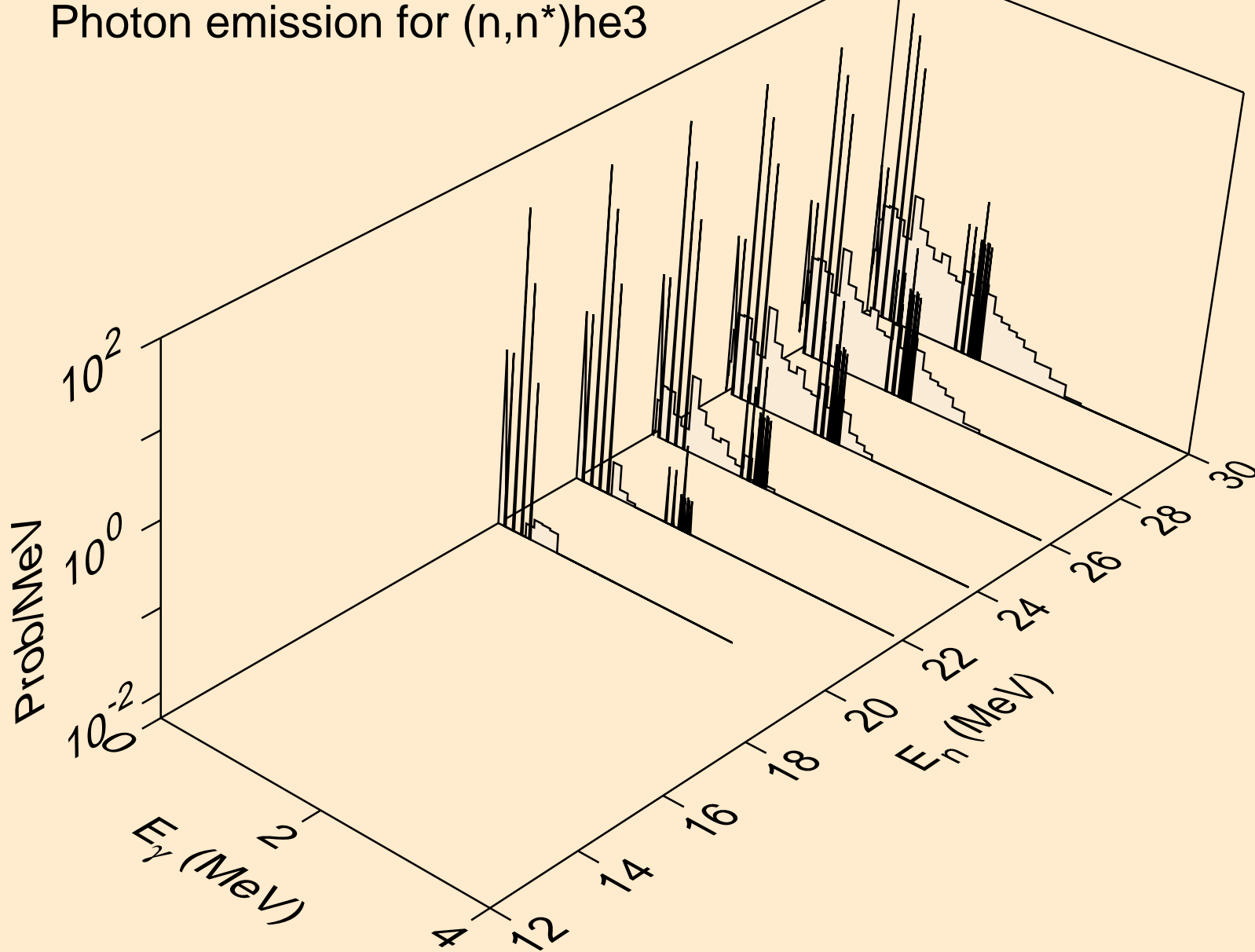
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



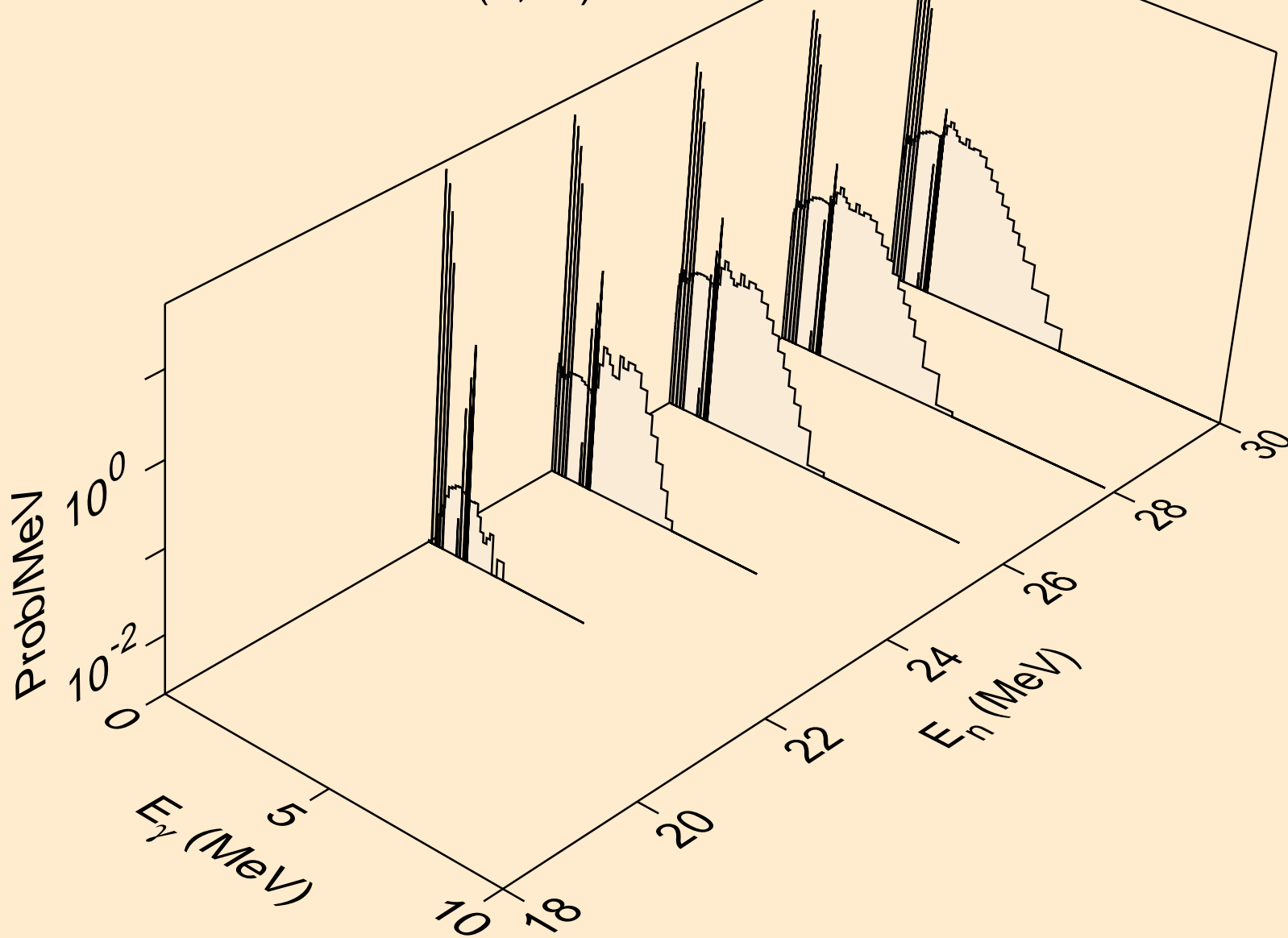
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



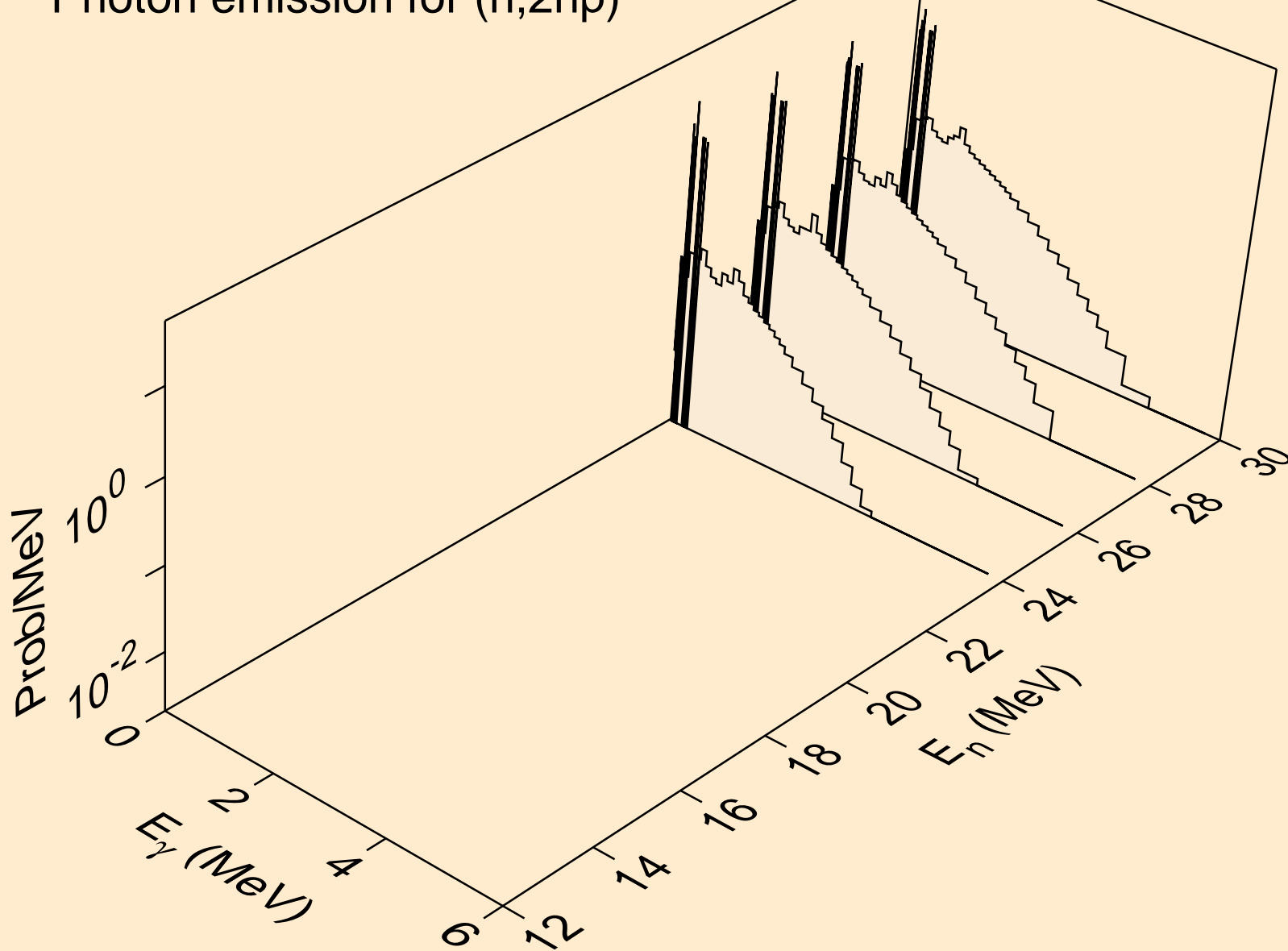
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



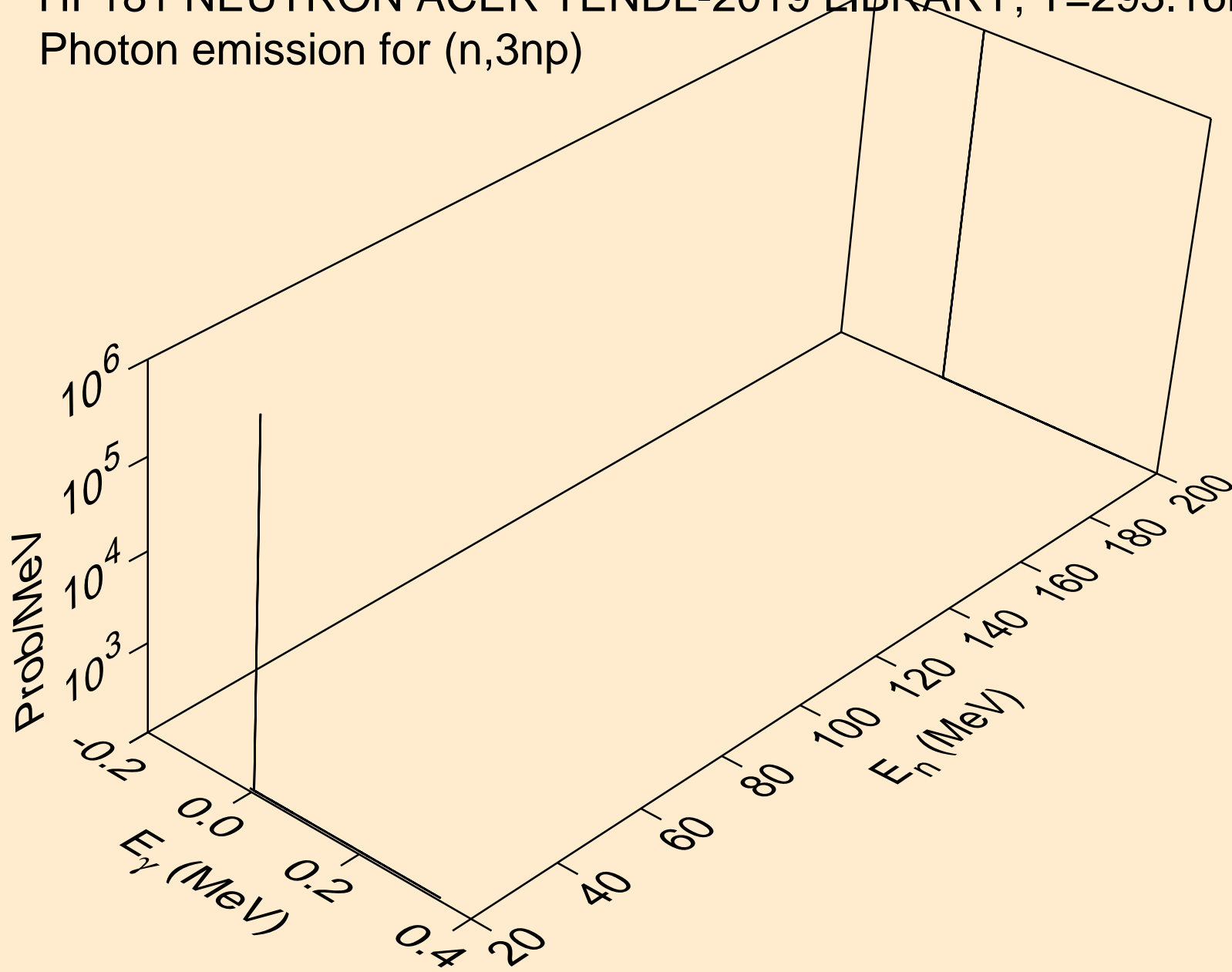
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



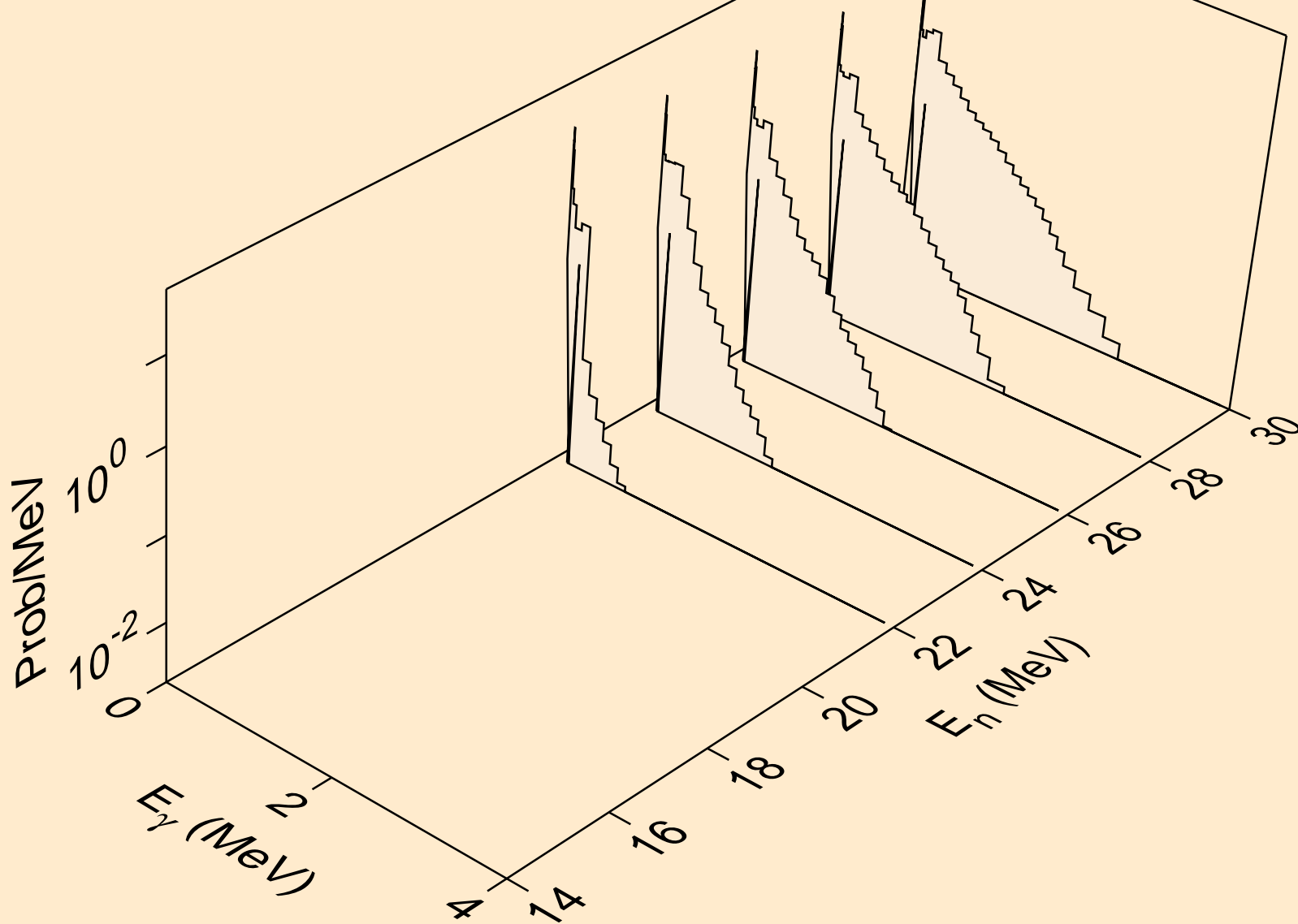
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



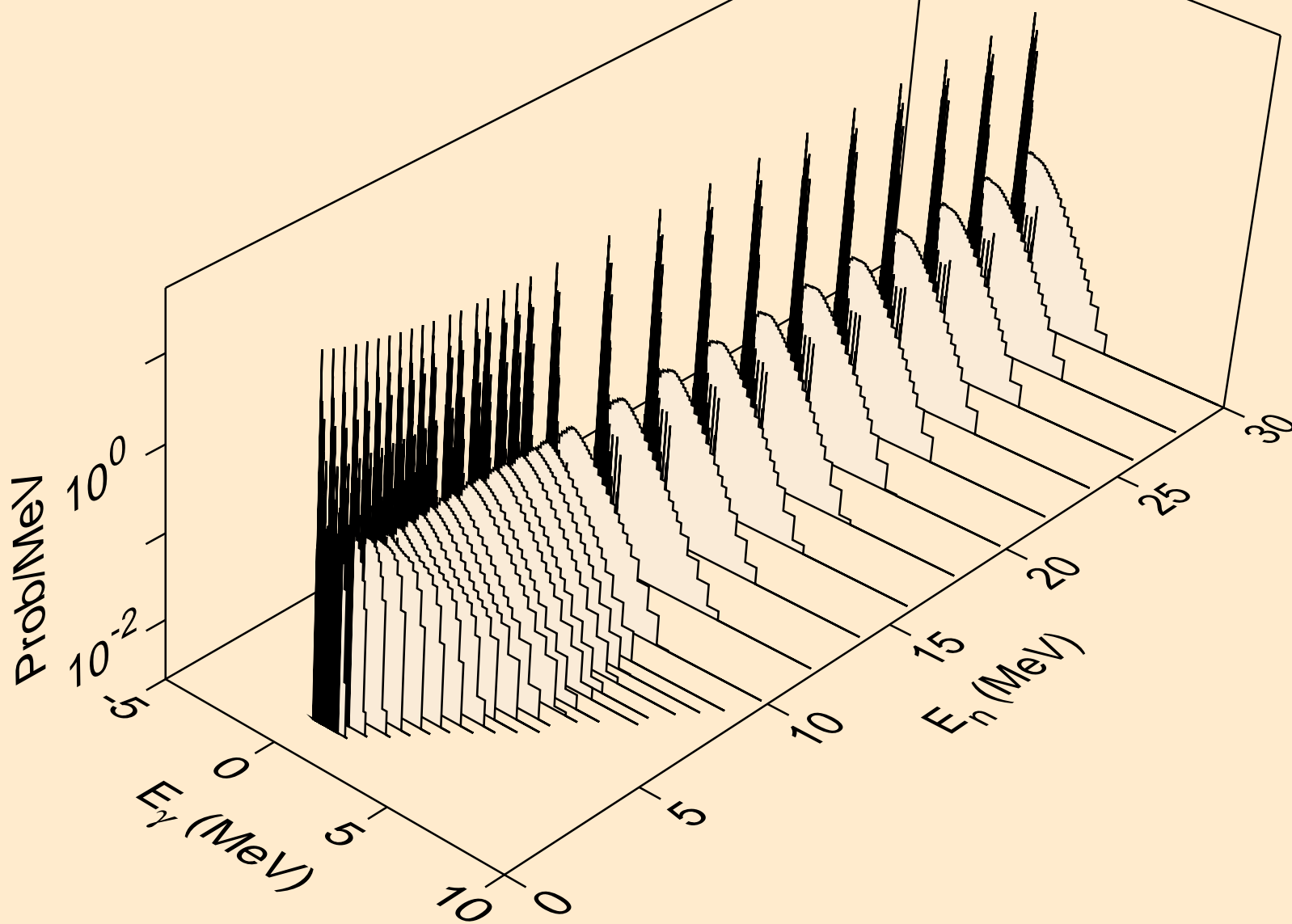
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



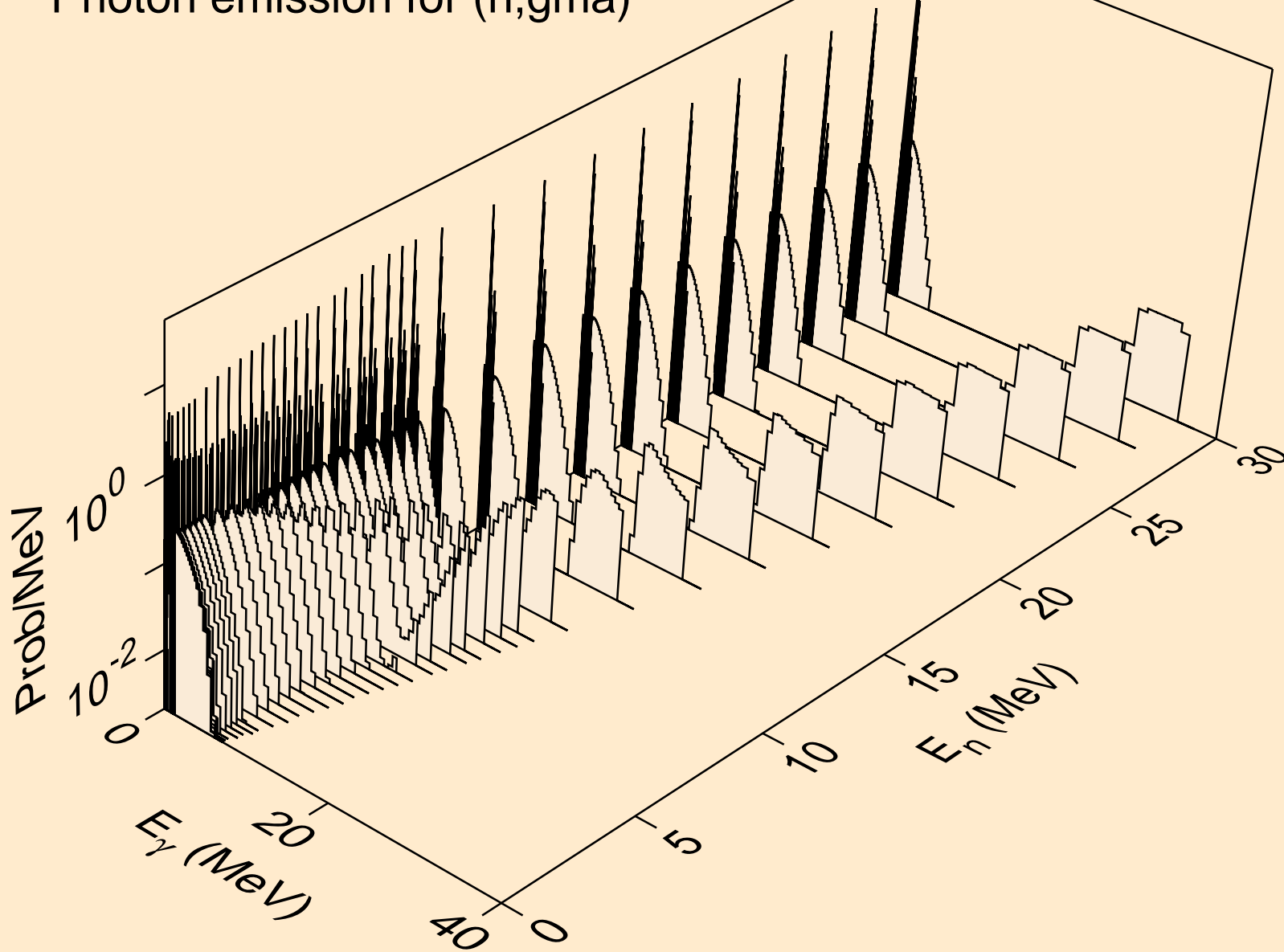
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



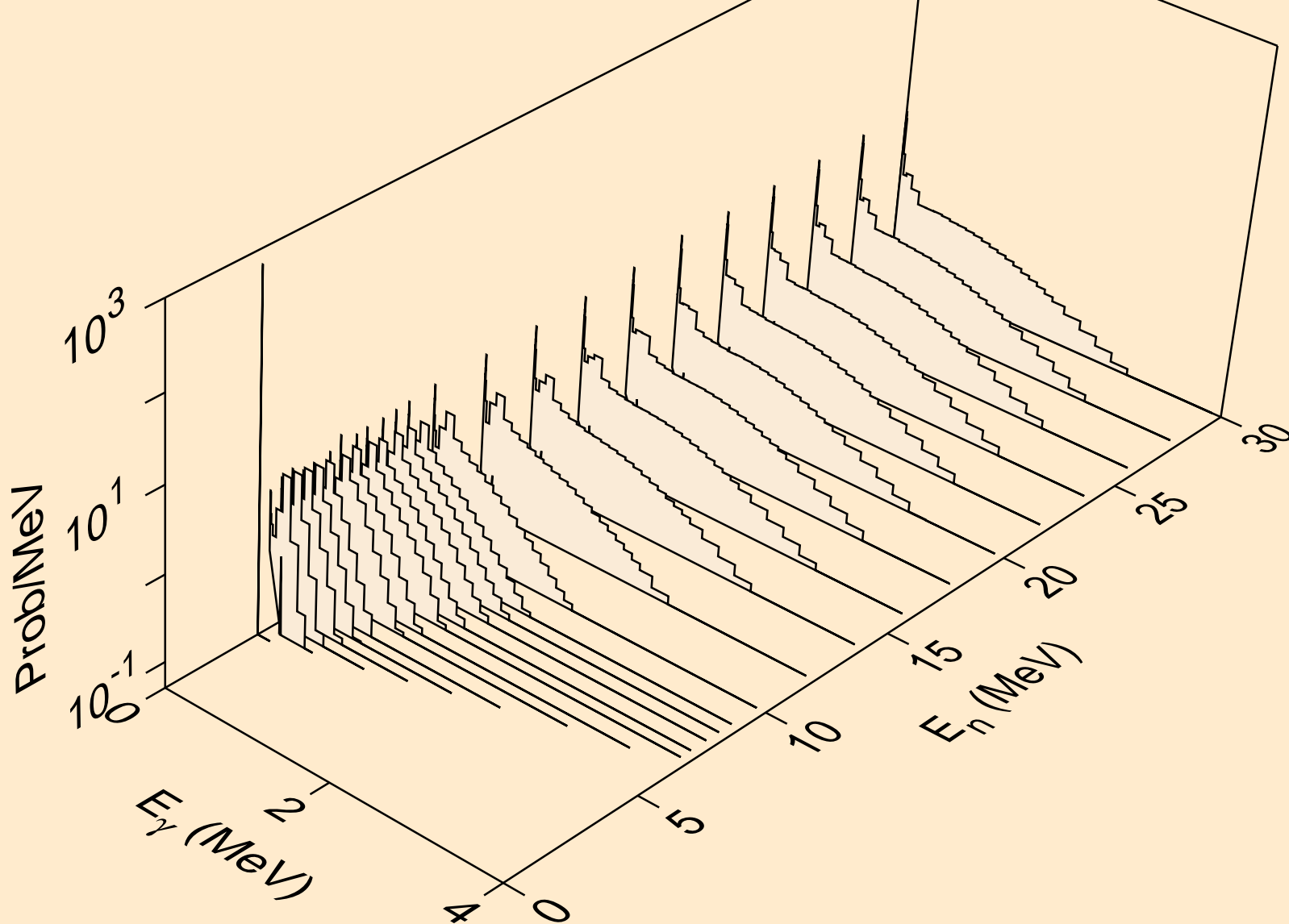
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



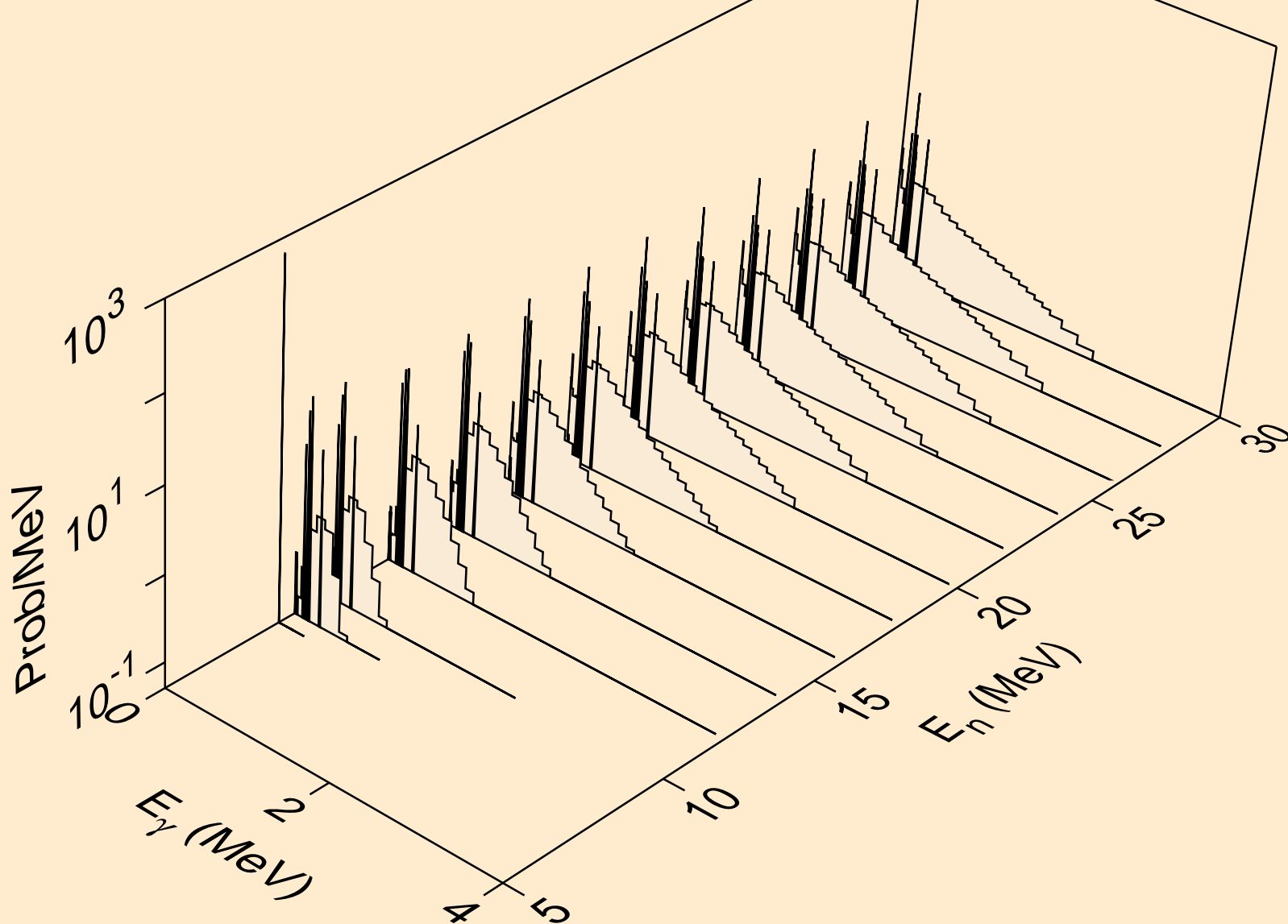
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



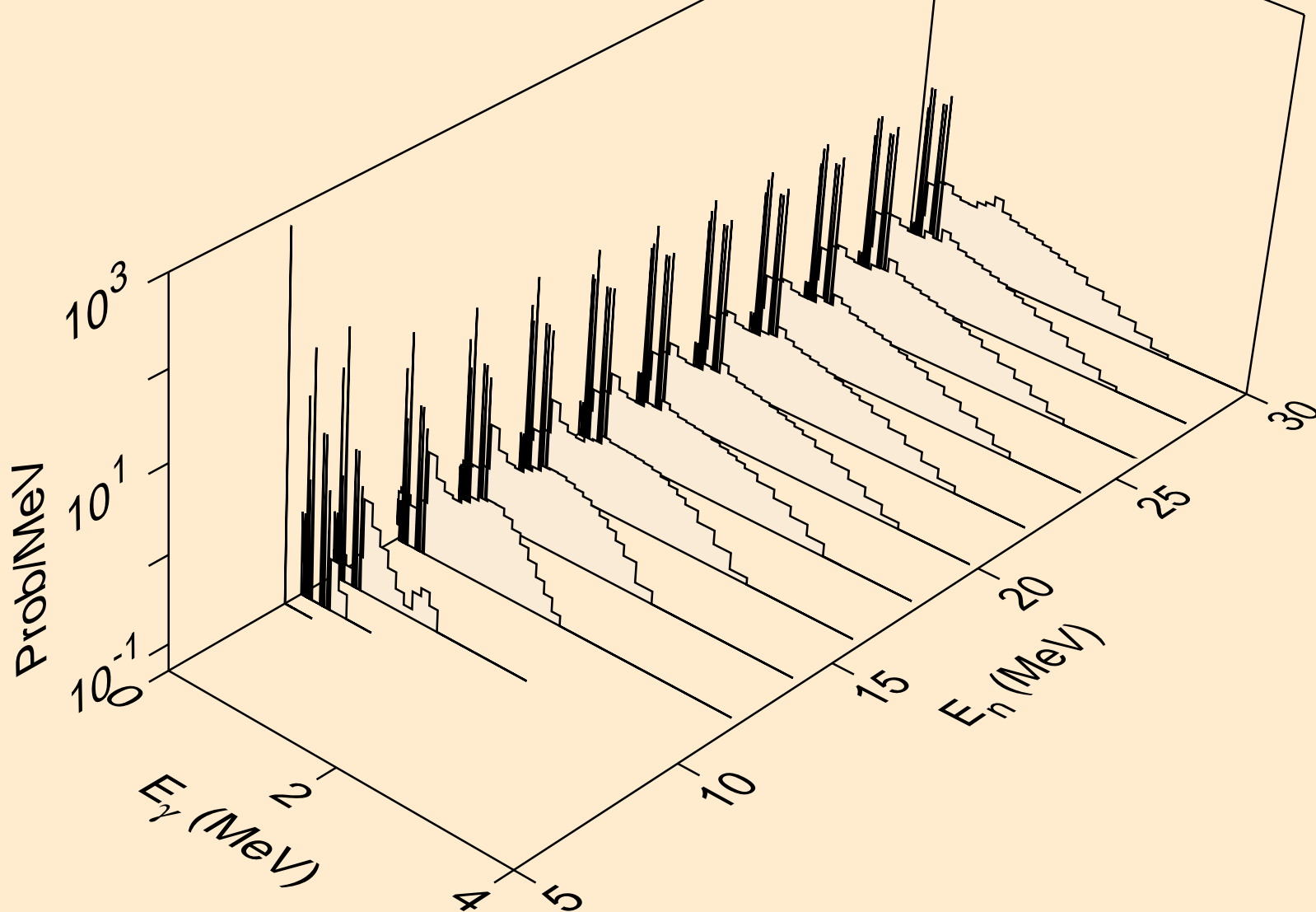
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



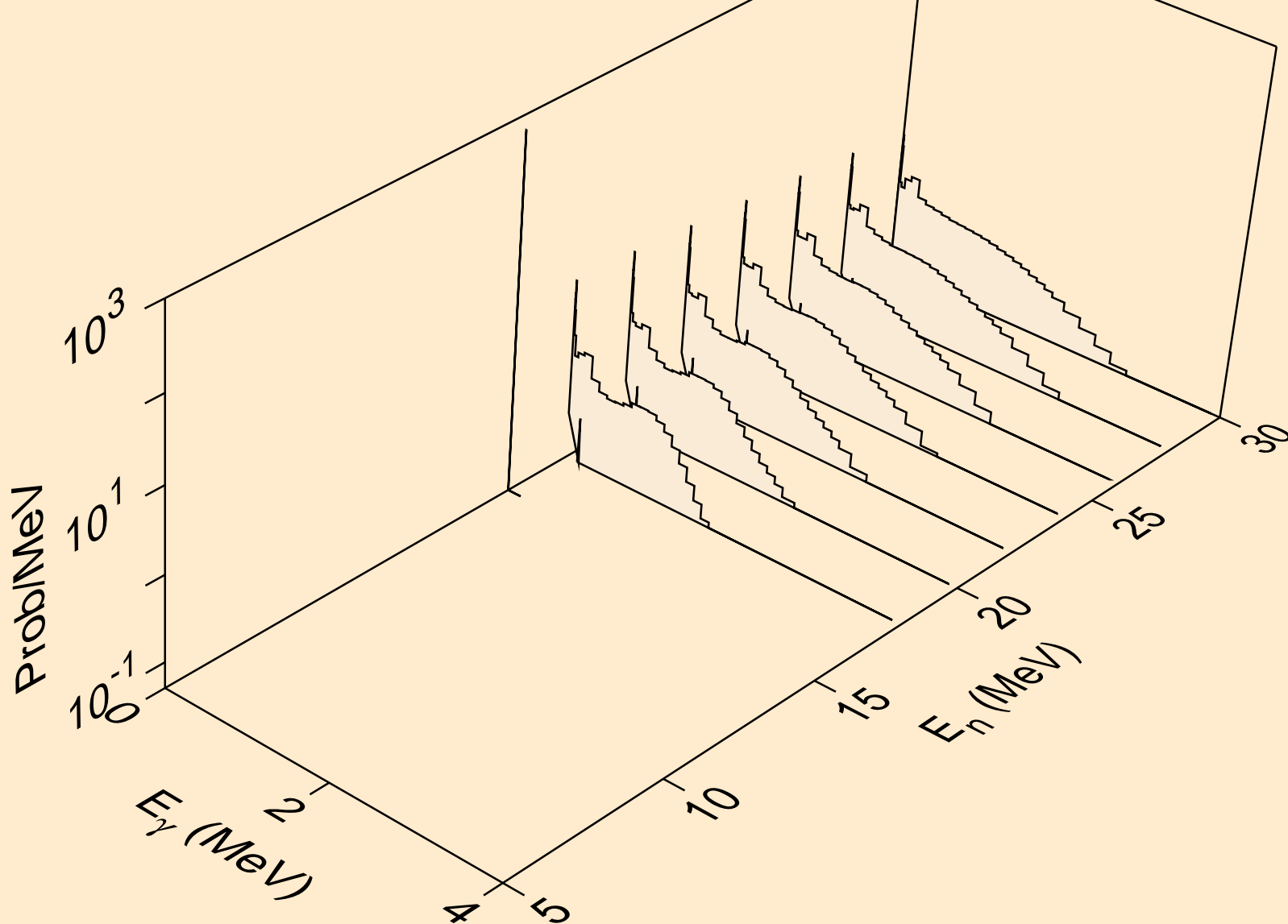
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



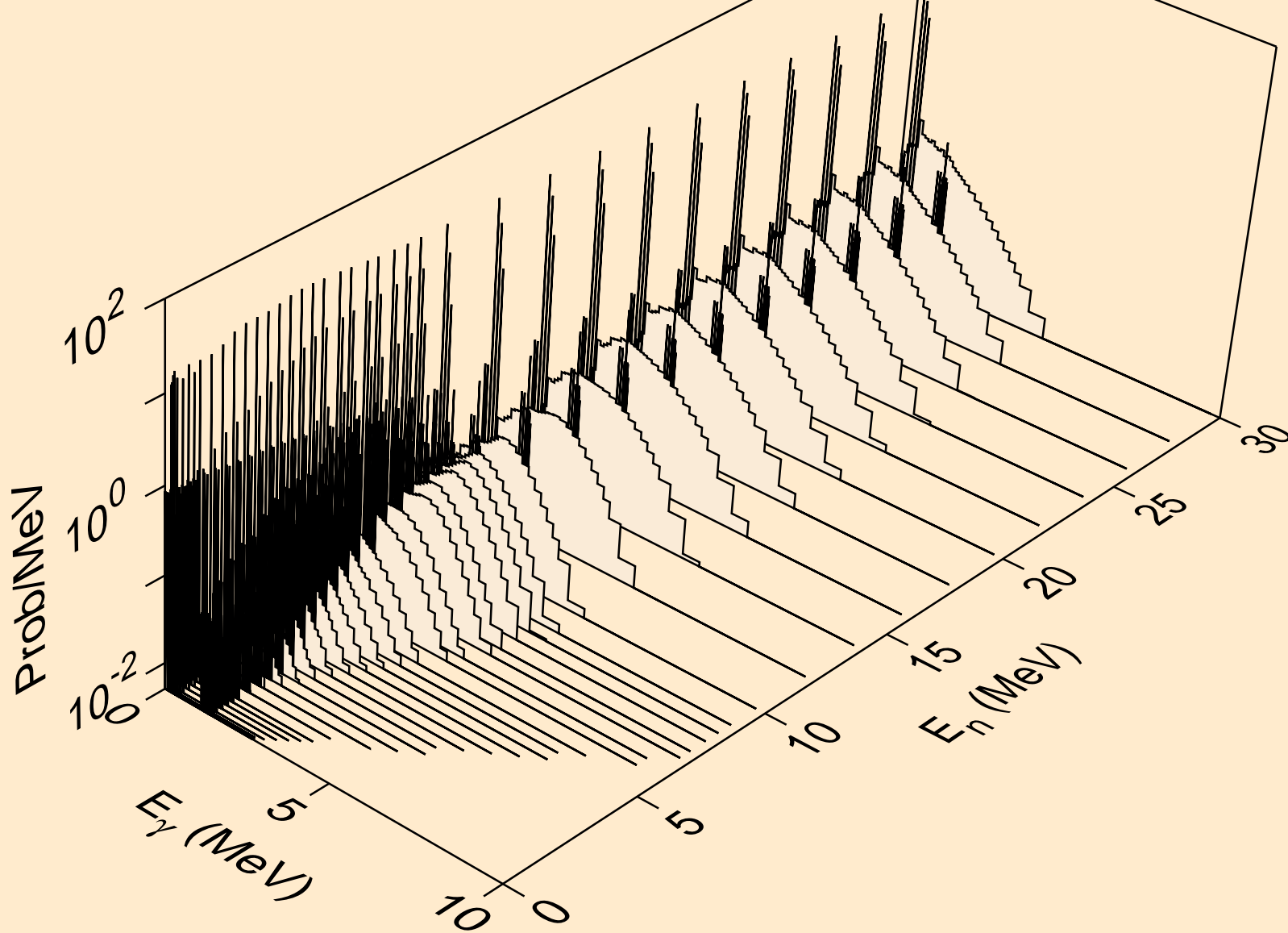
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



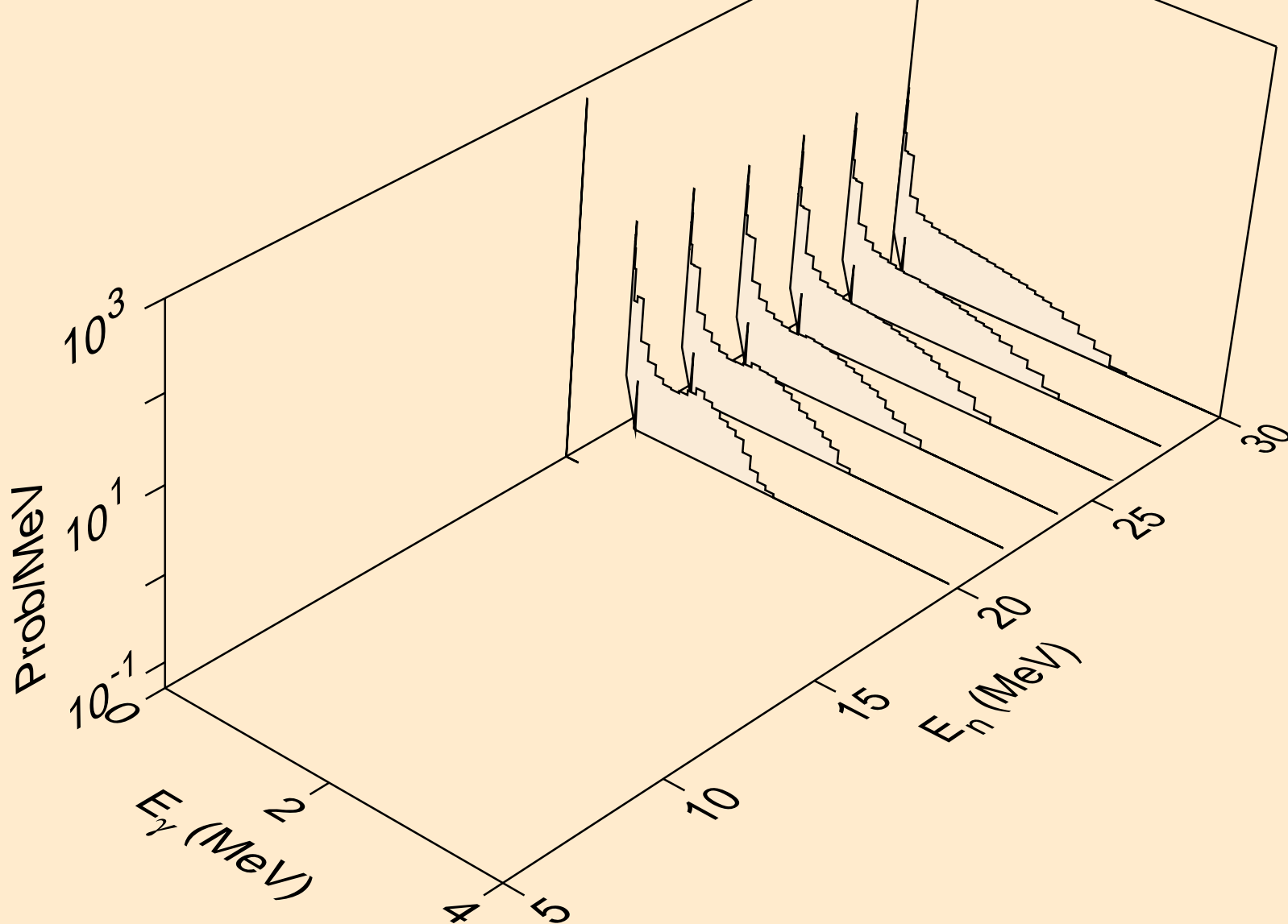
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



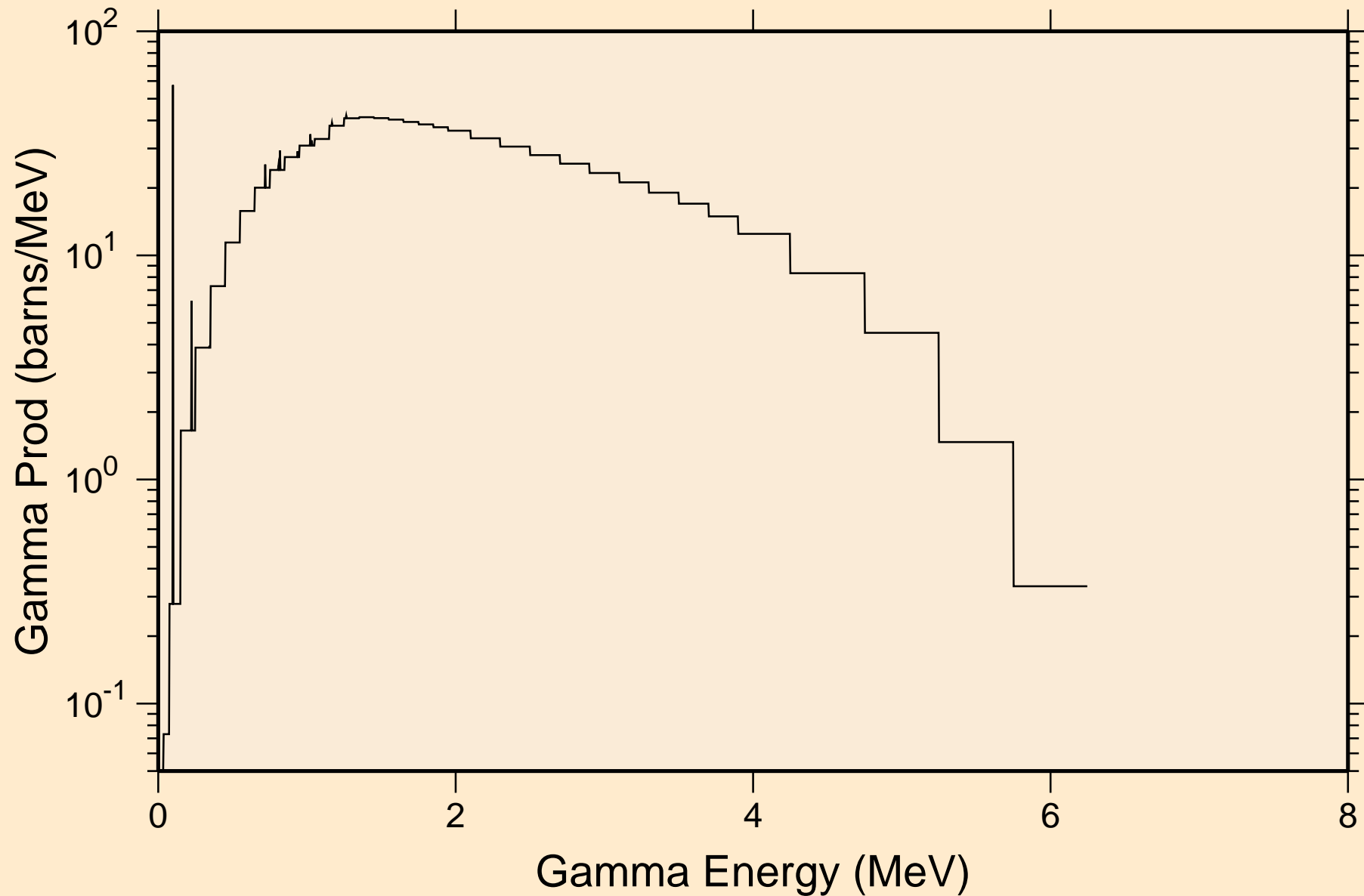
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



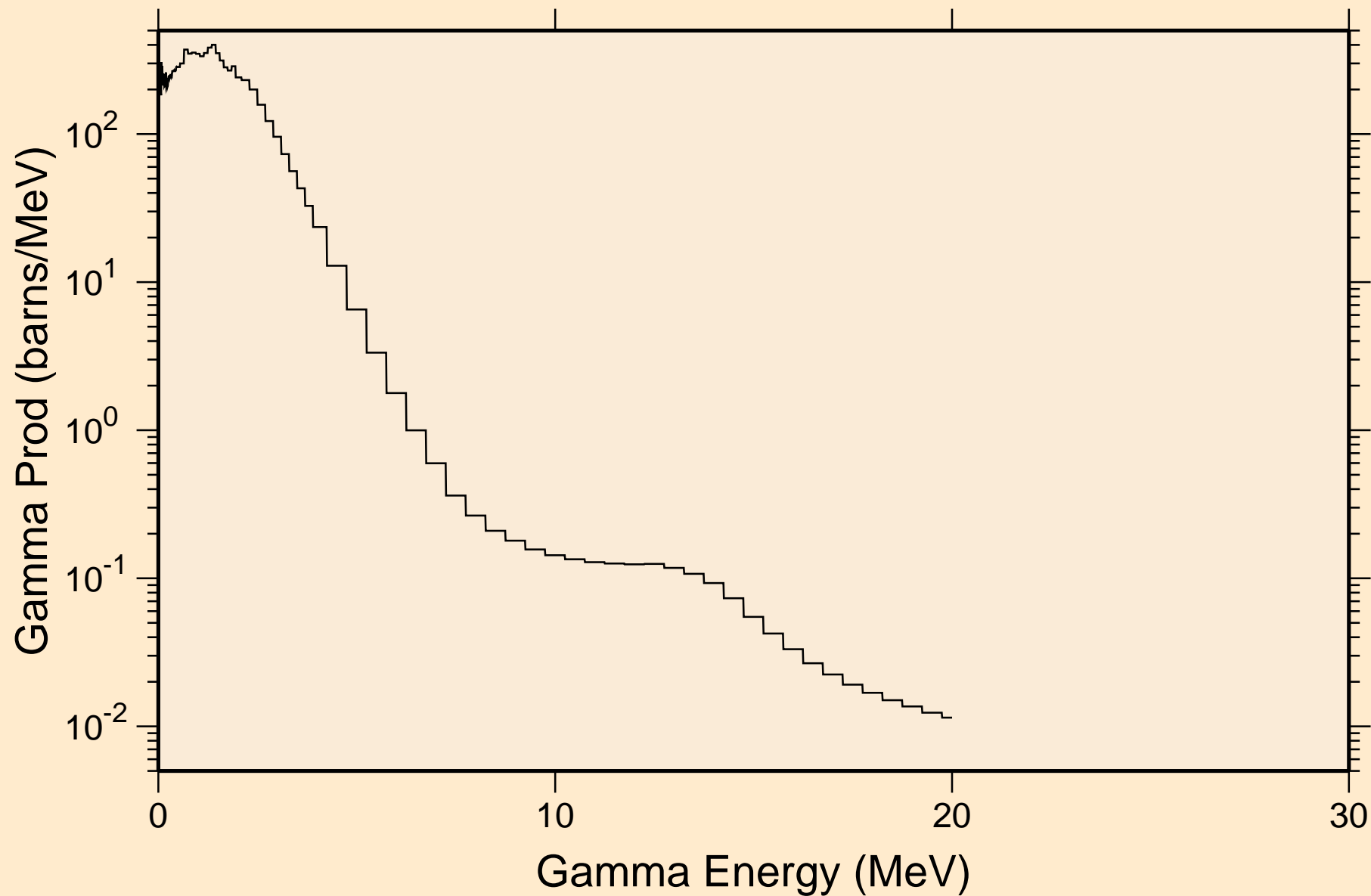
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

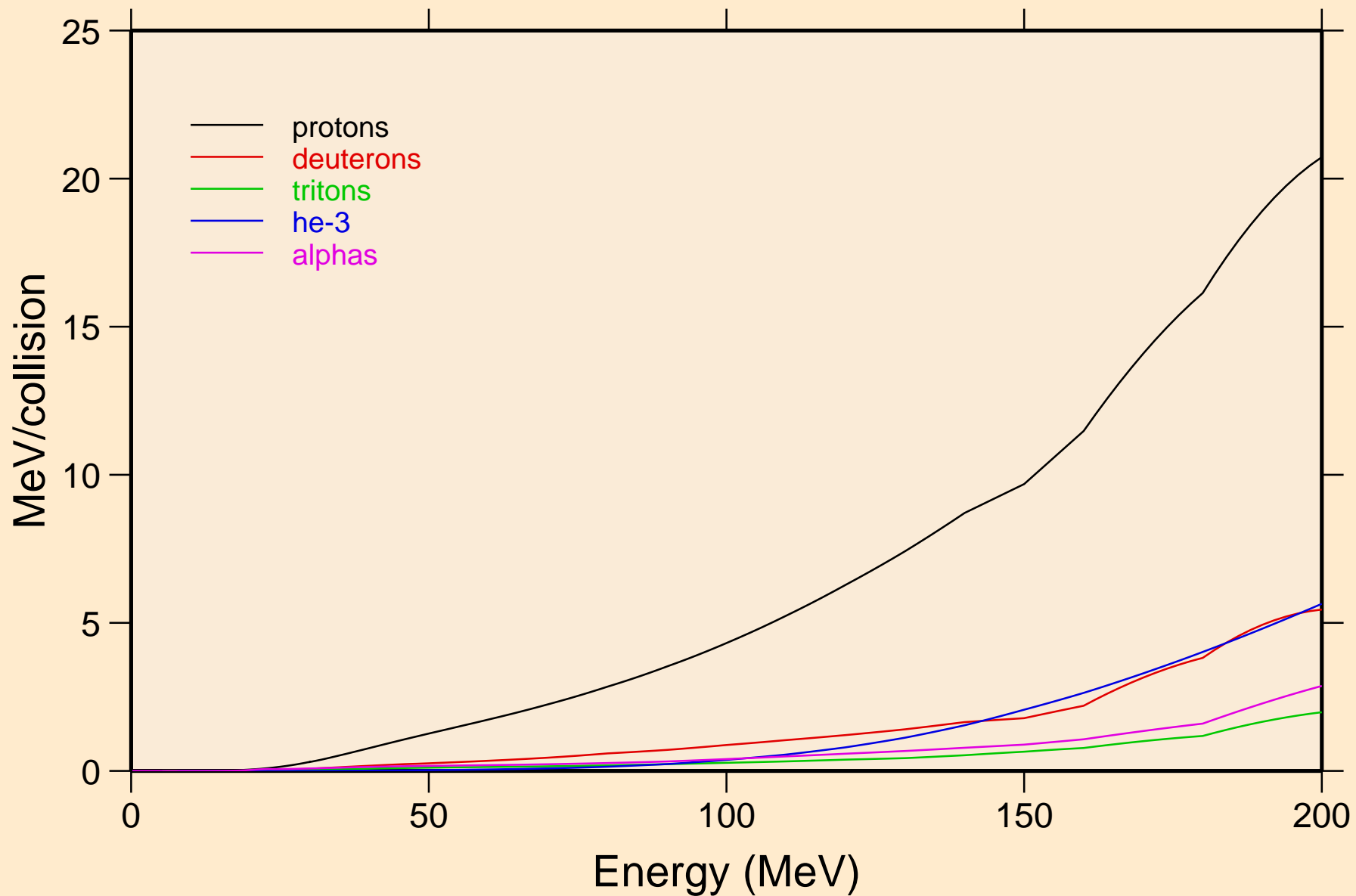


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



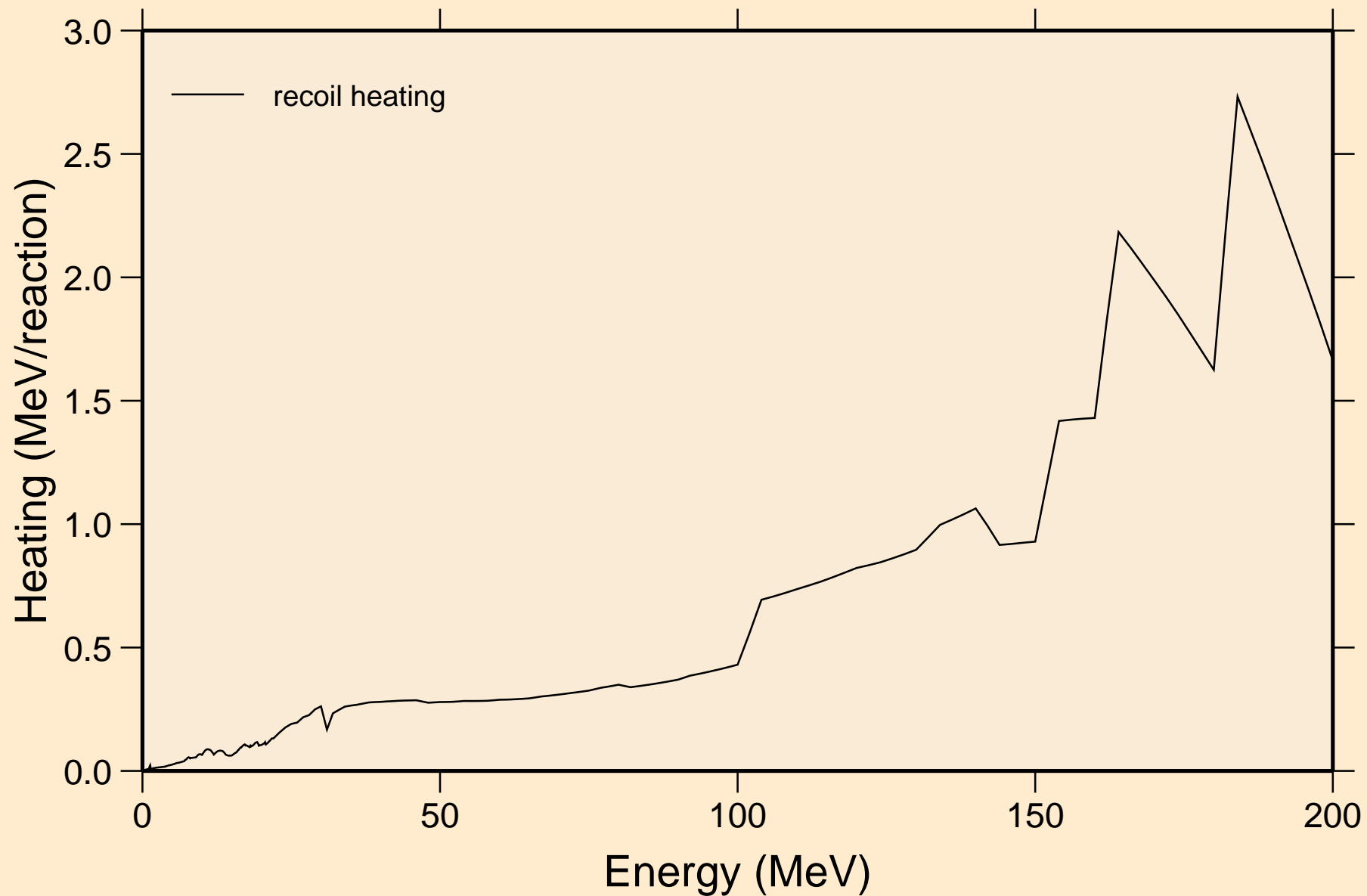
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions



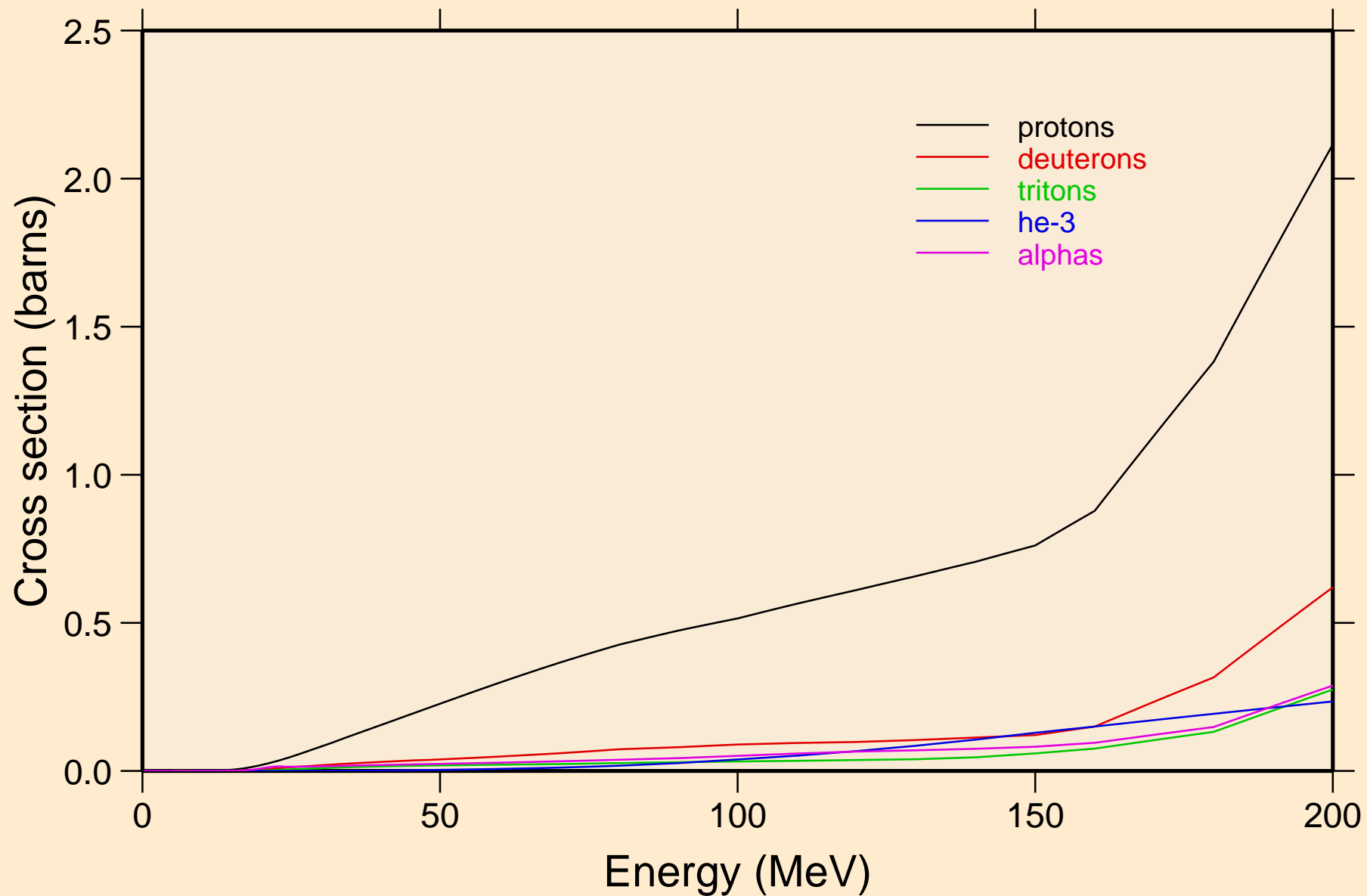
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Recoil Heating

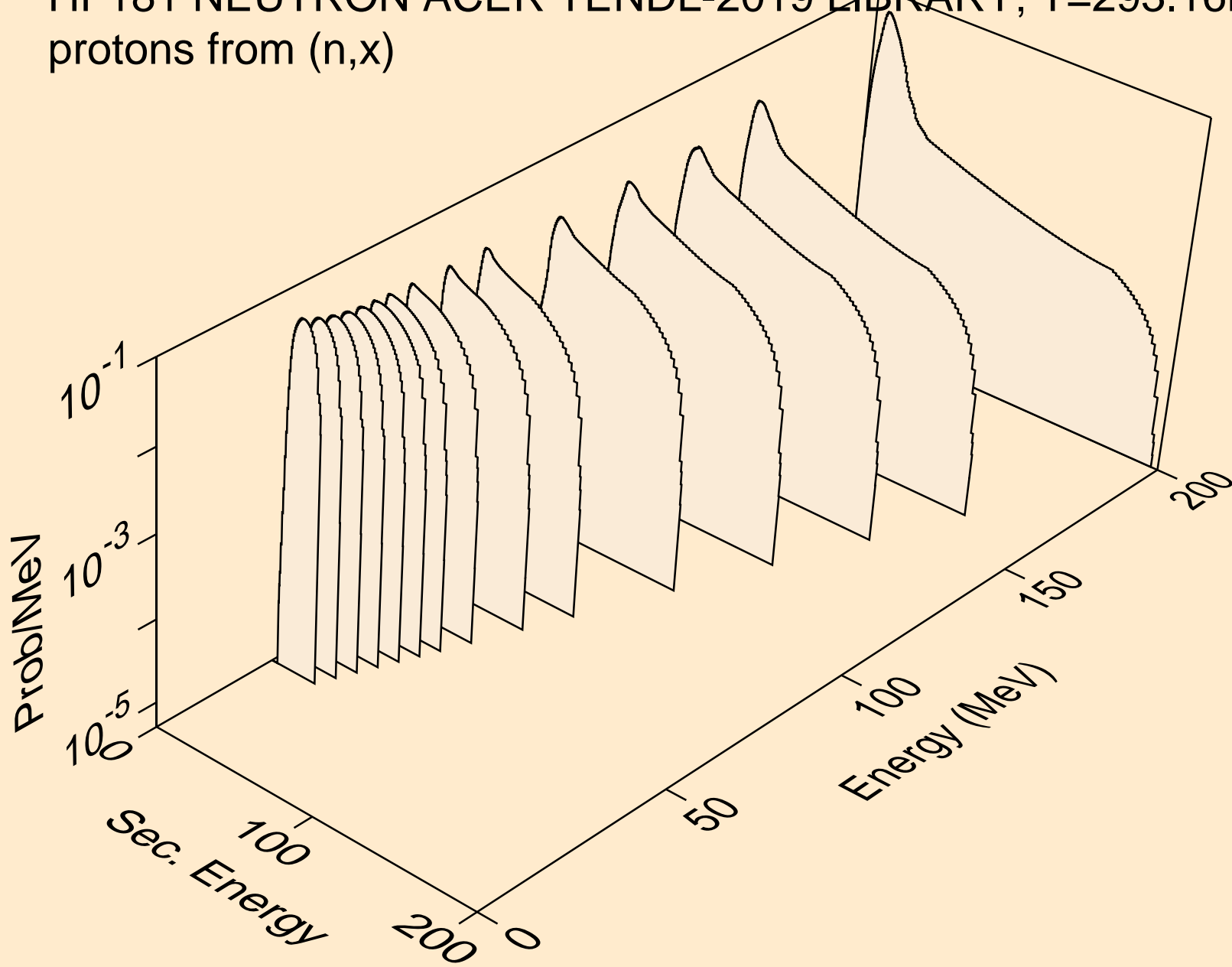


HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

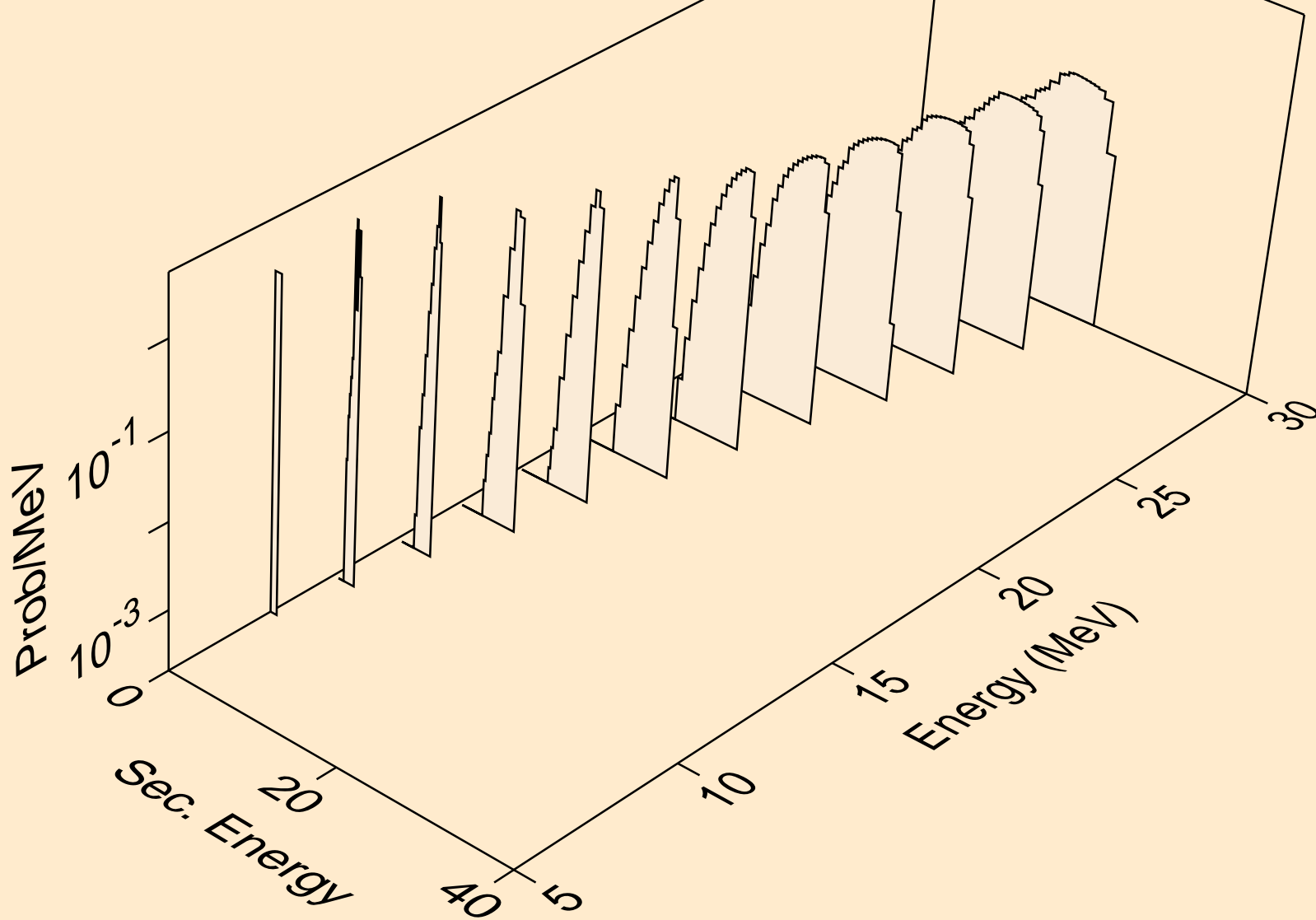
Particle production cross sections



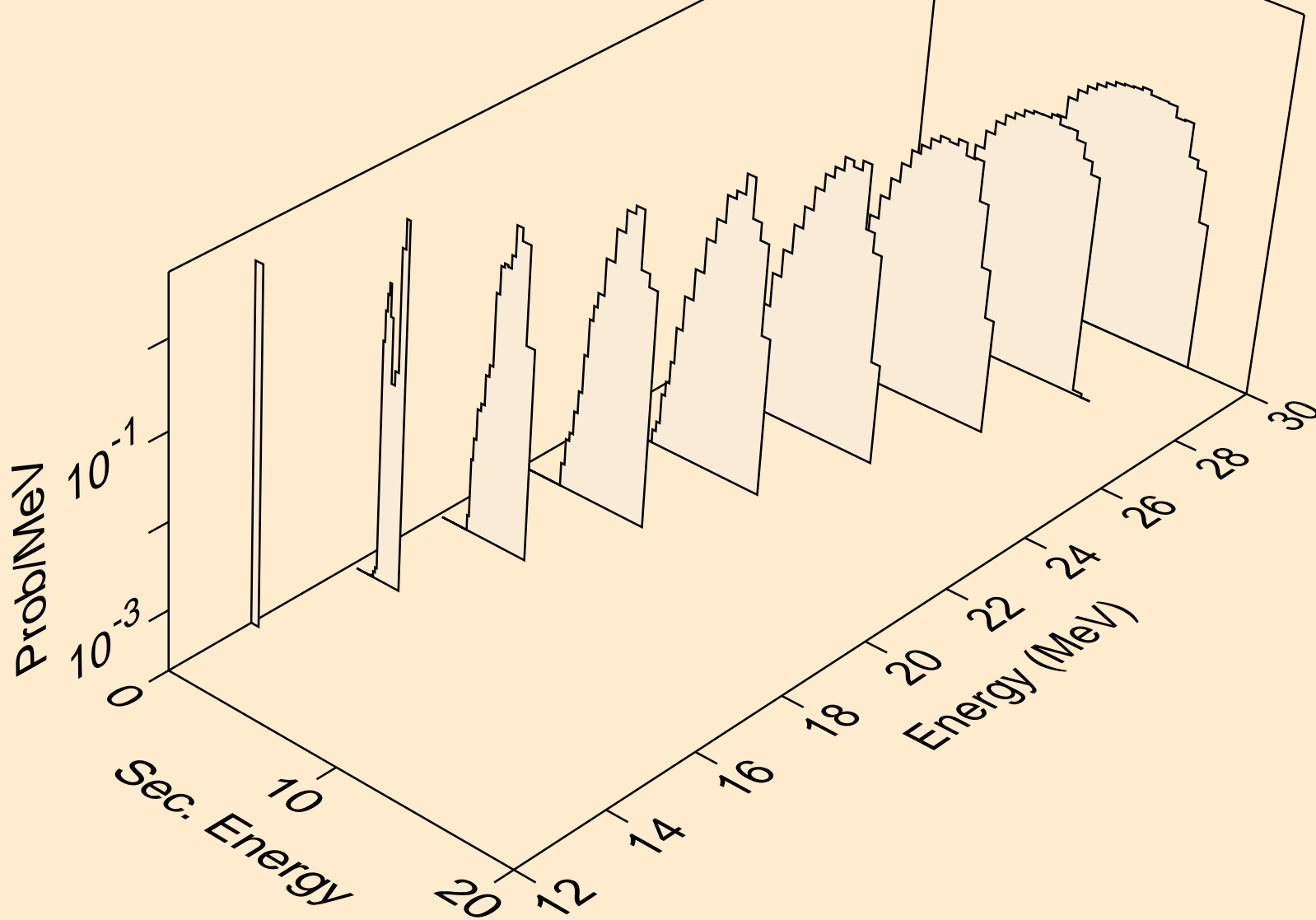
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



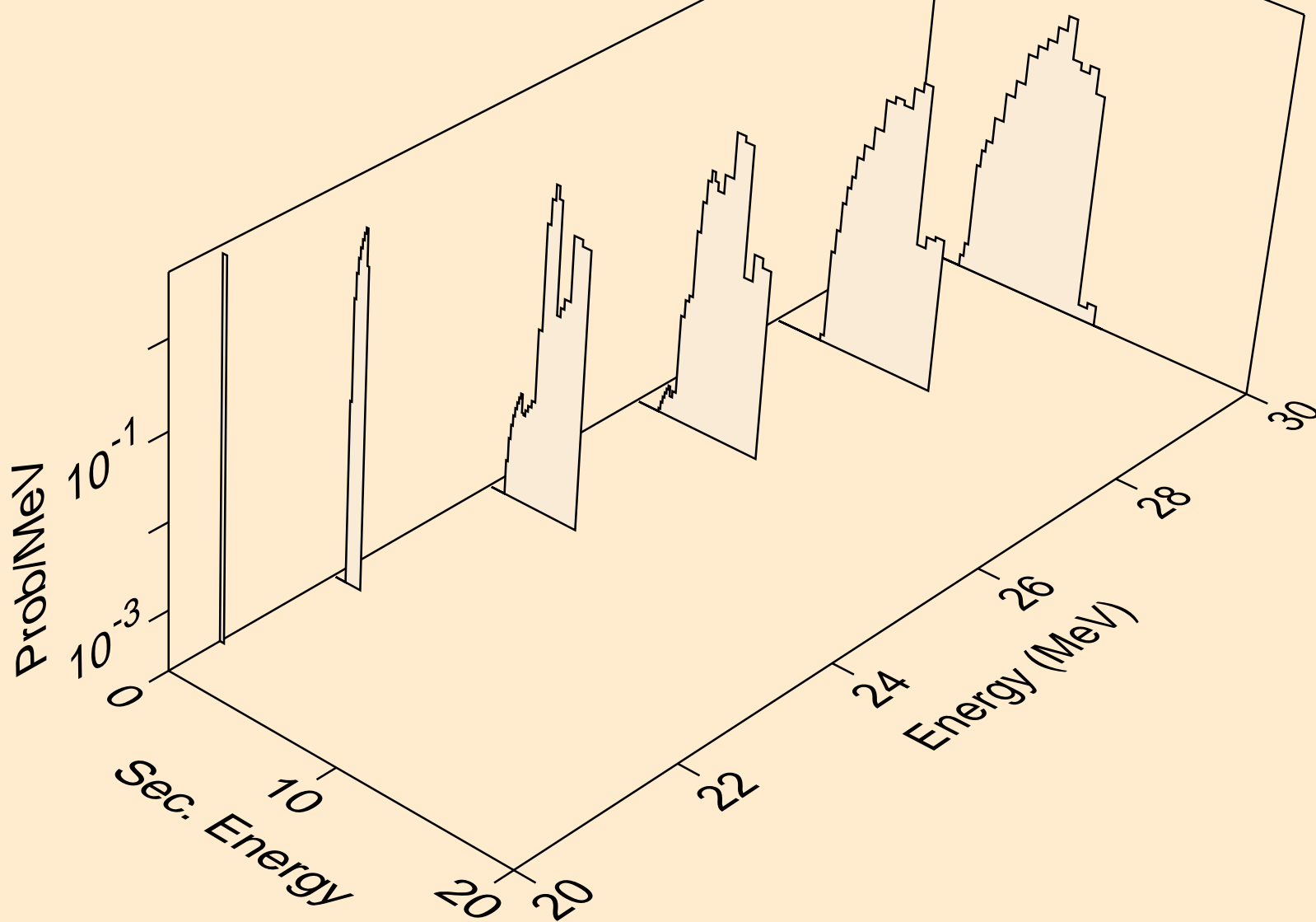
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



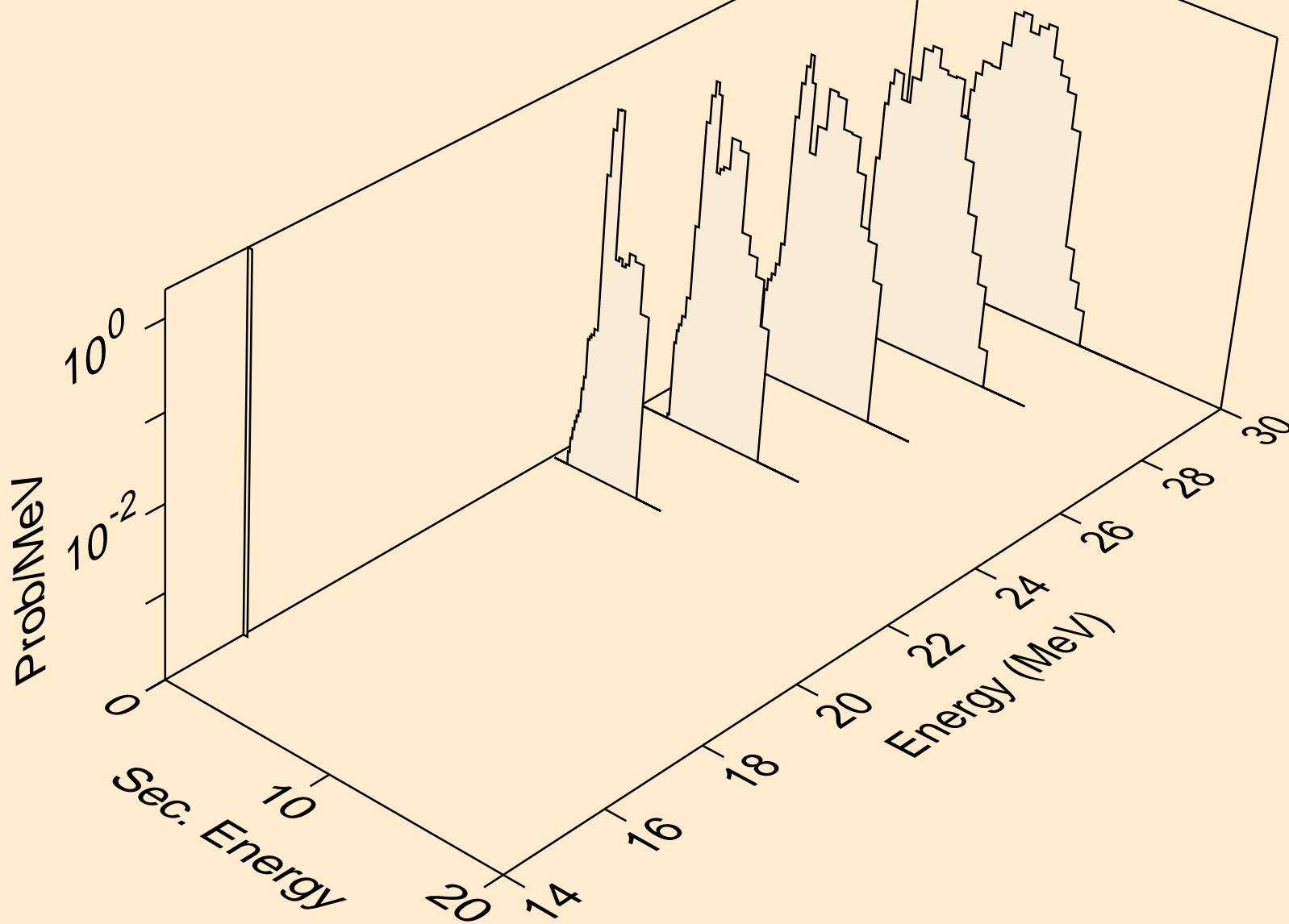
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



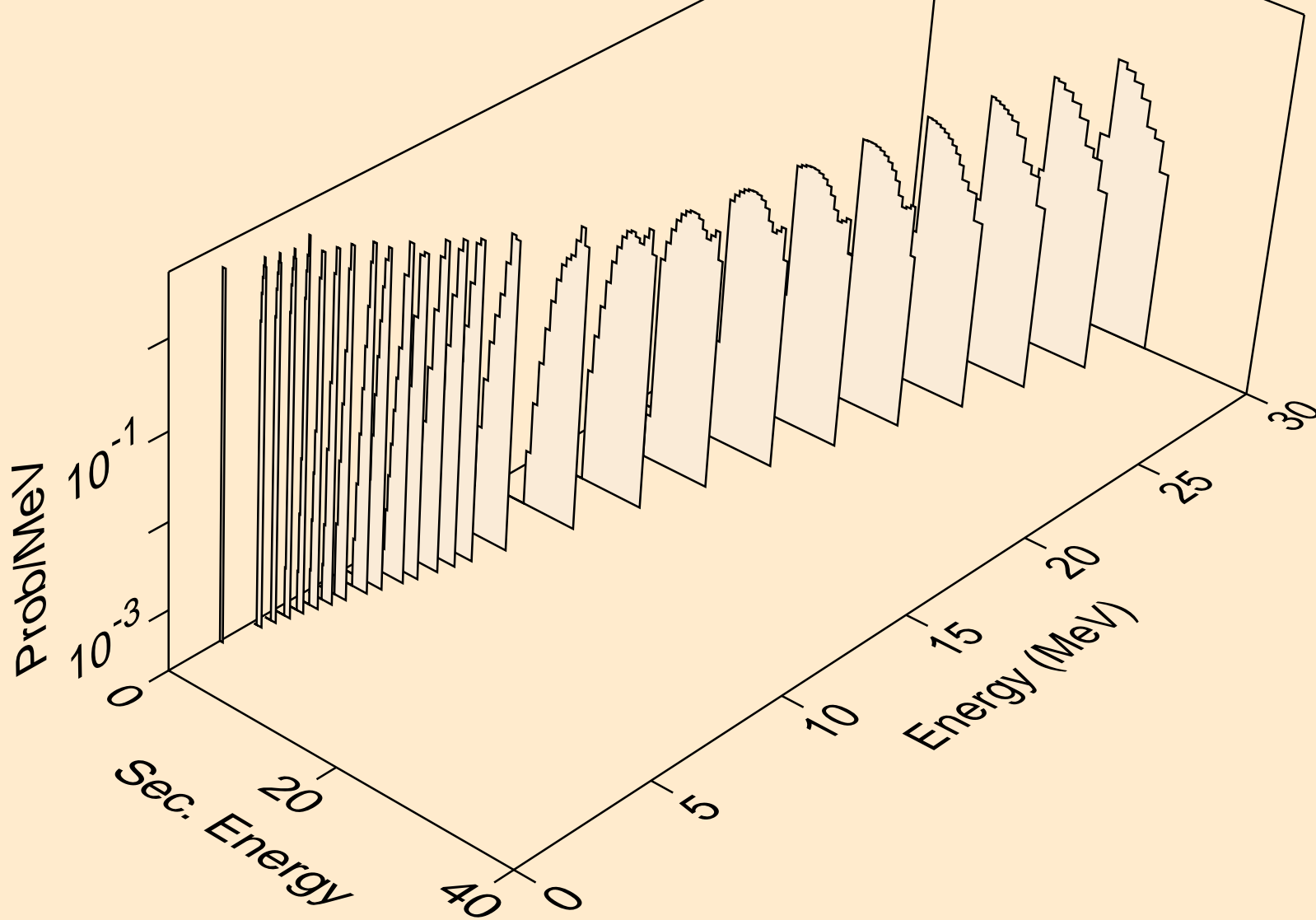
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



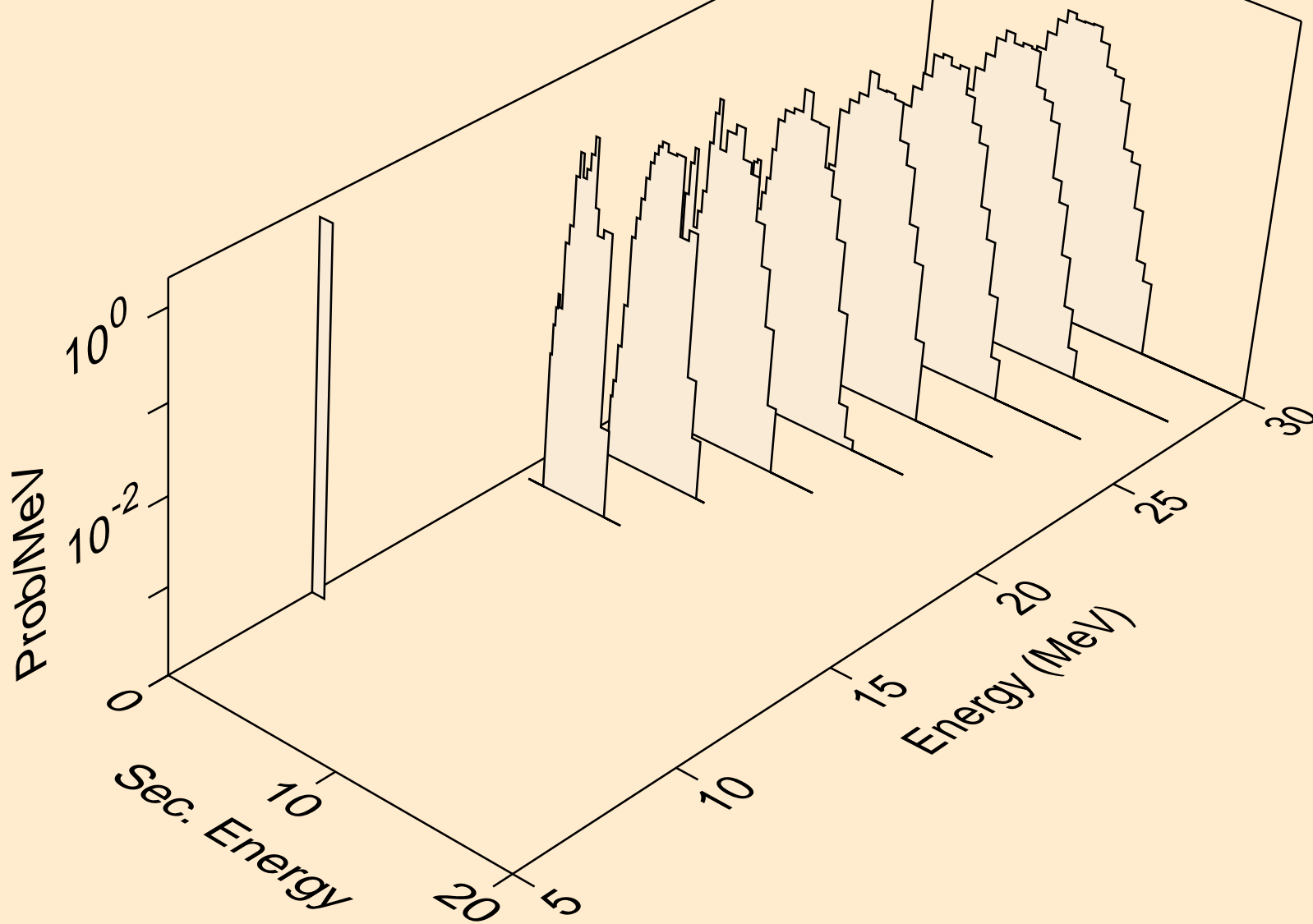
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protons from (n,2np)



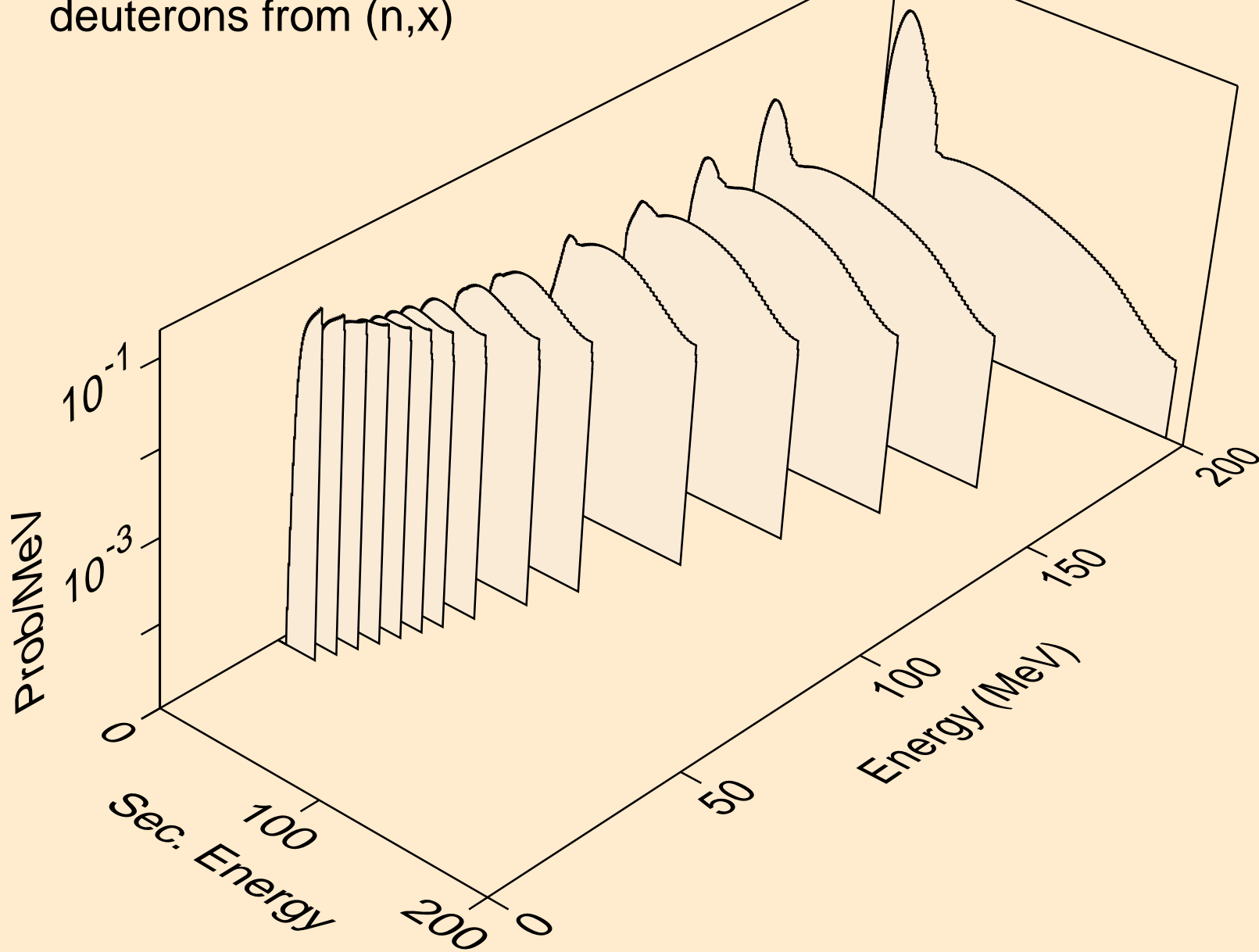
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



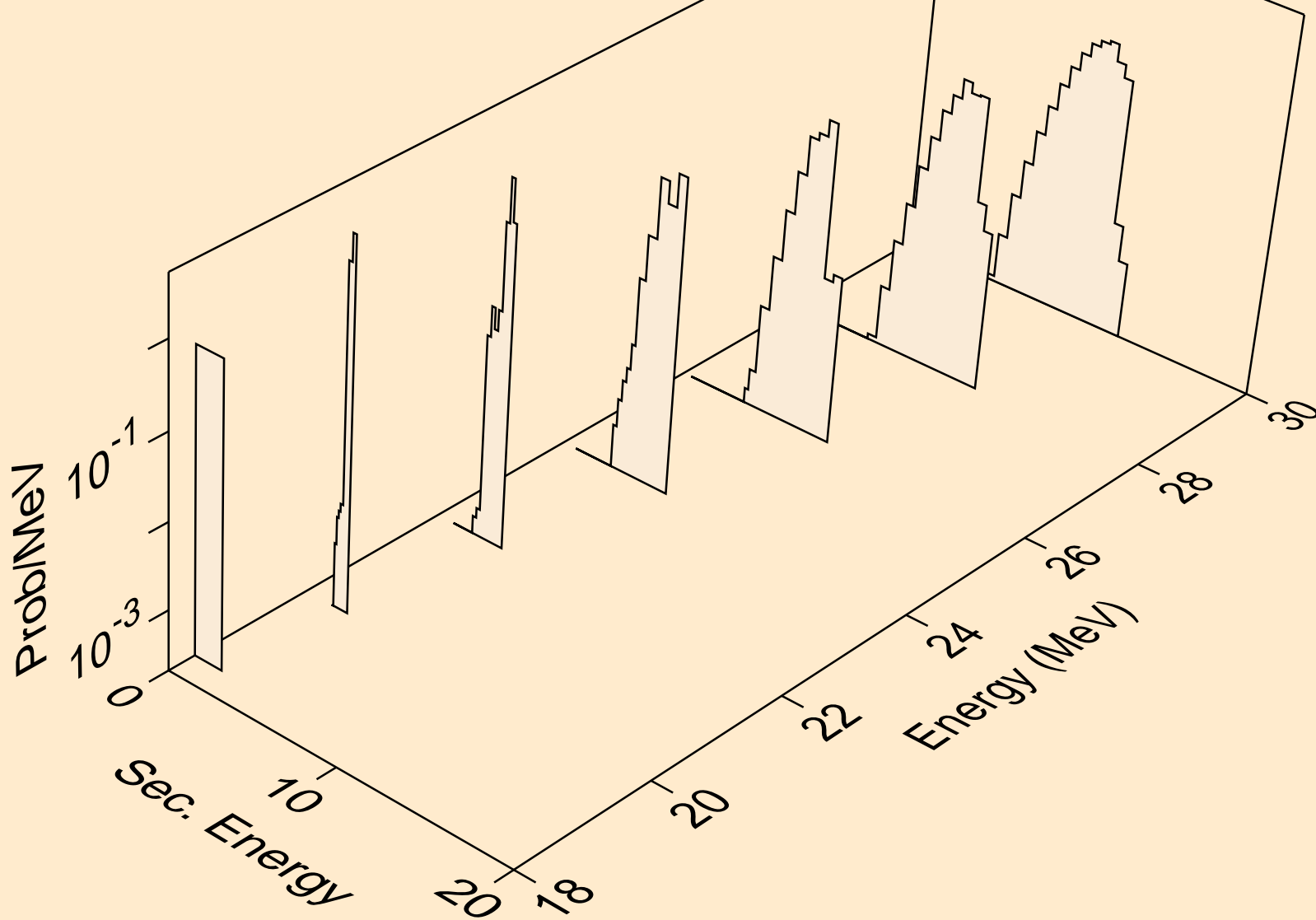
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



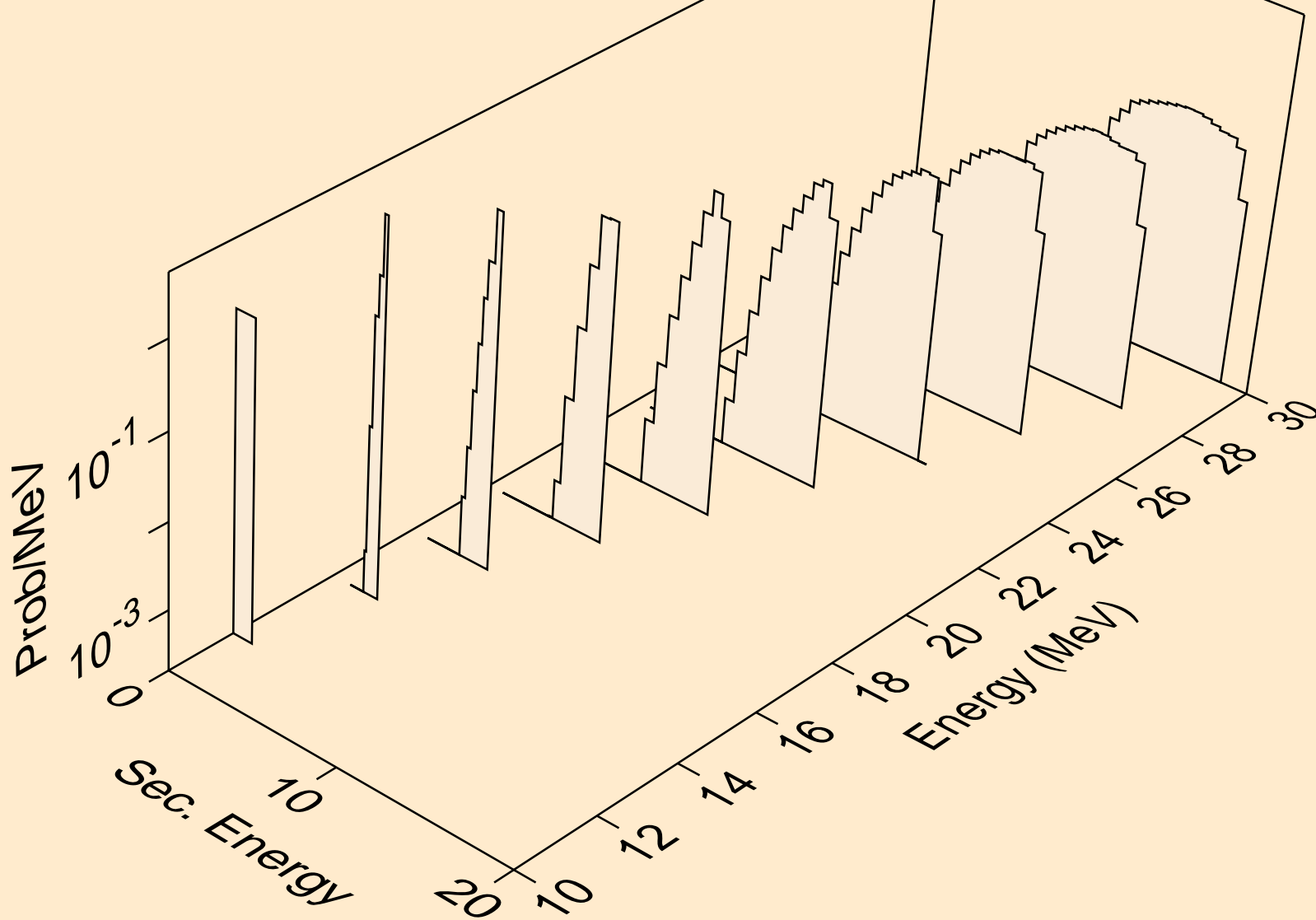
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



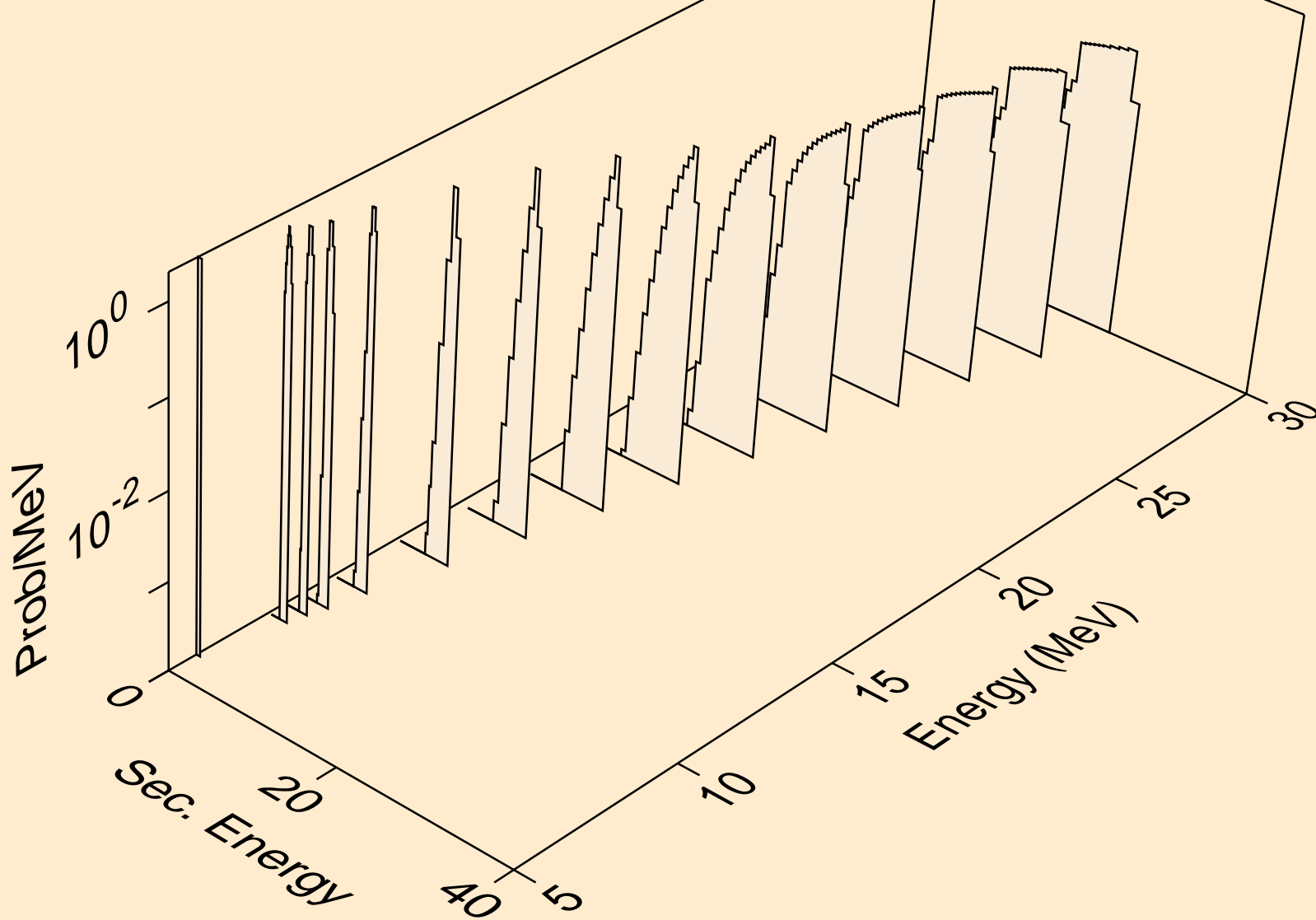
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



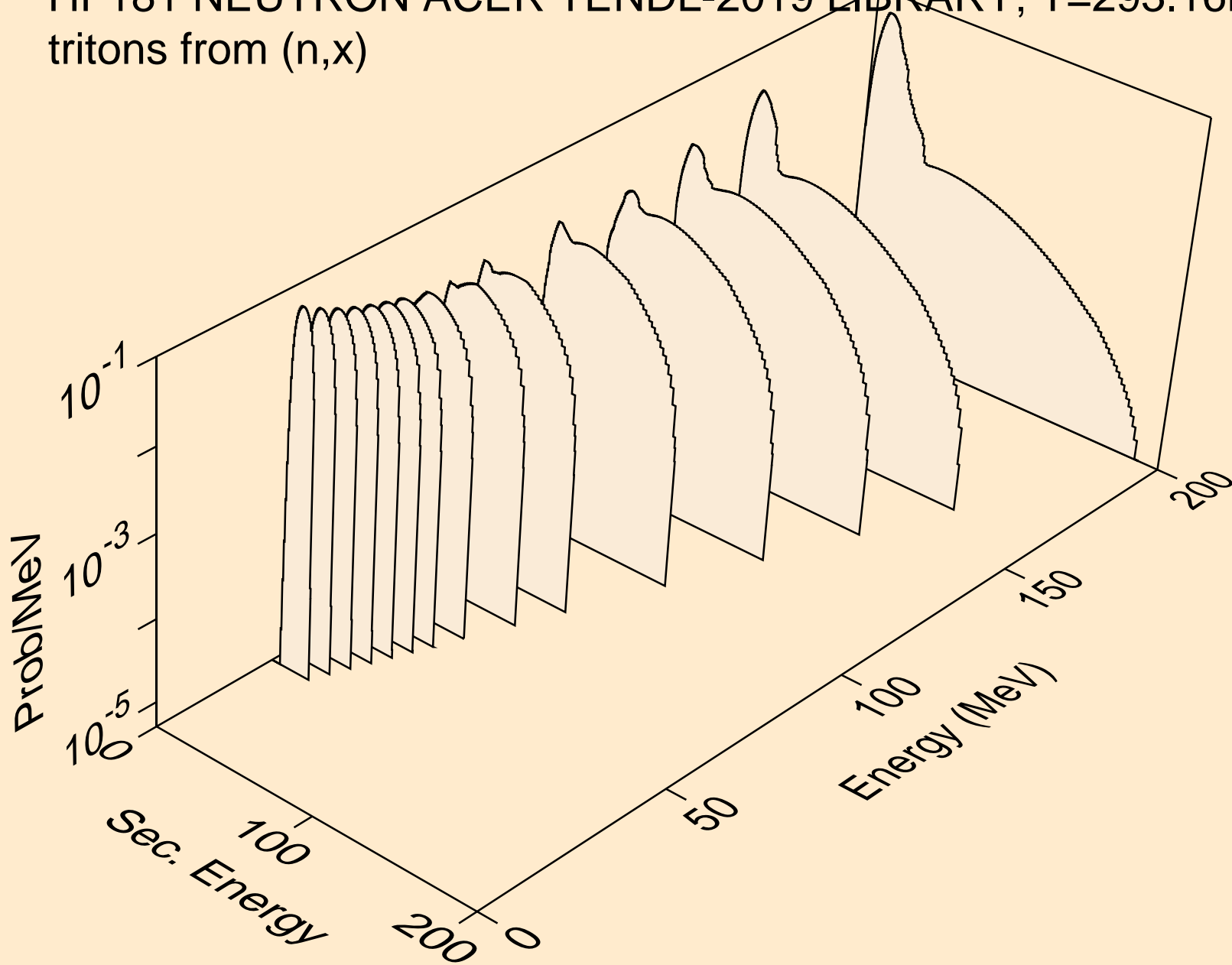
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



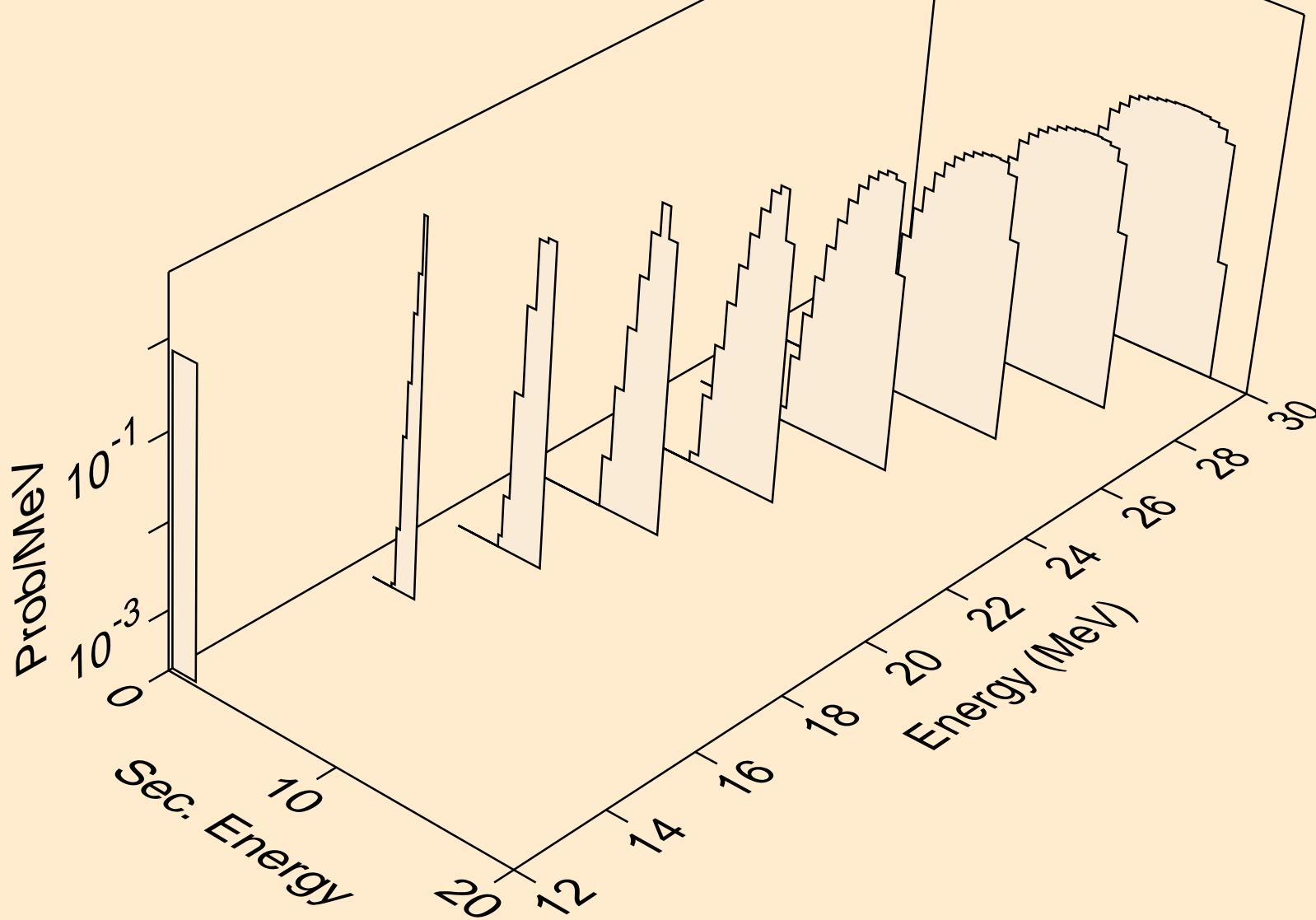
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



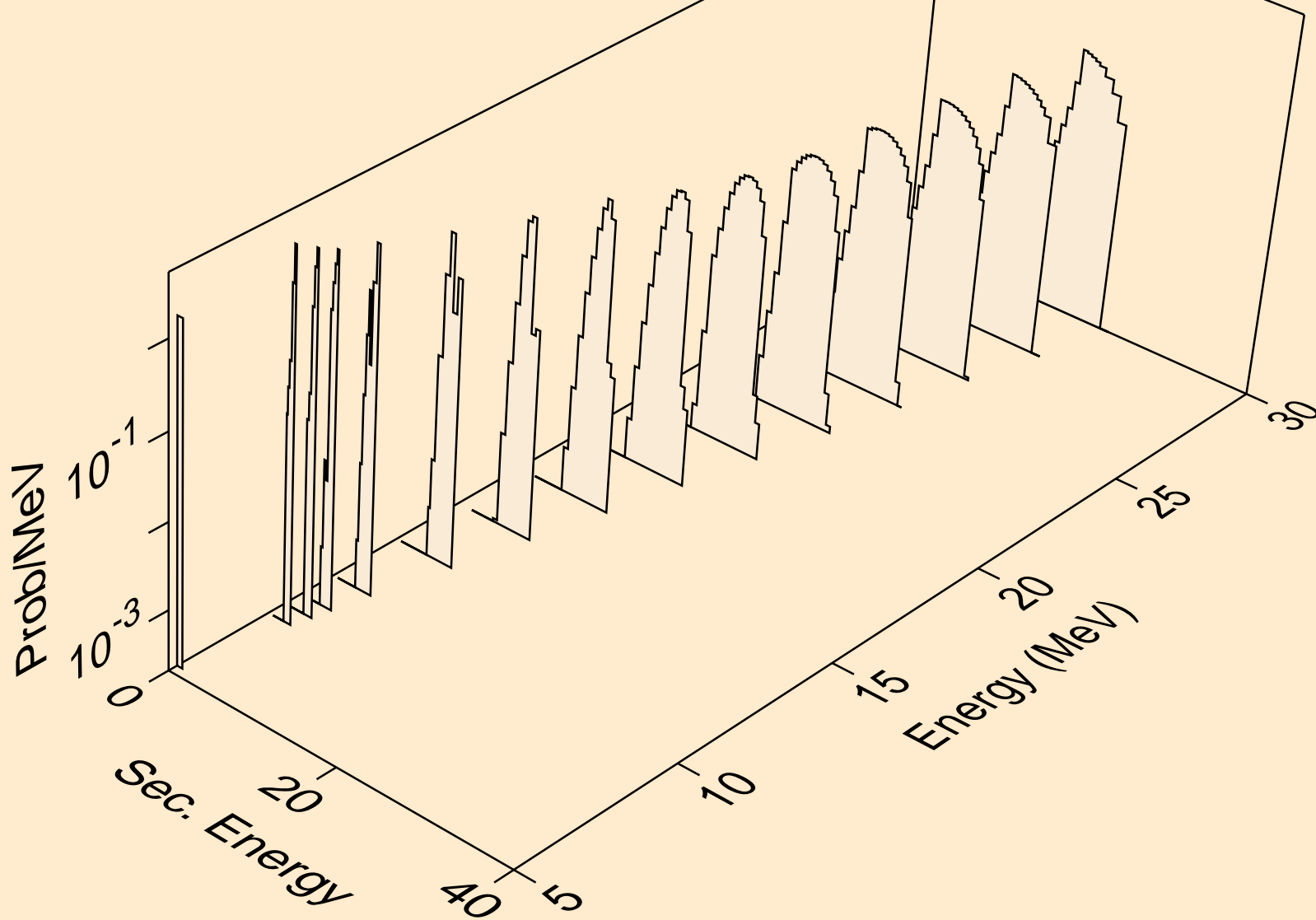
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



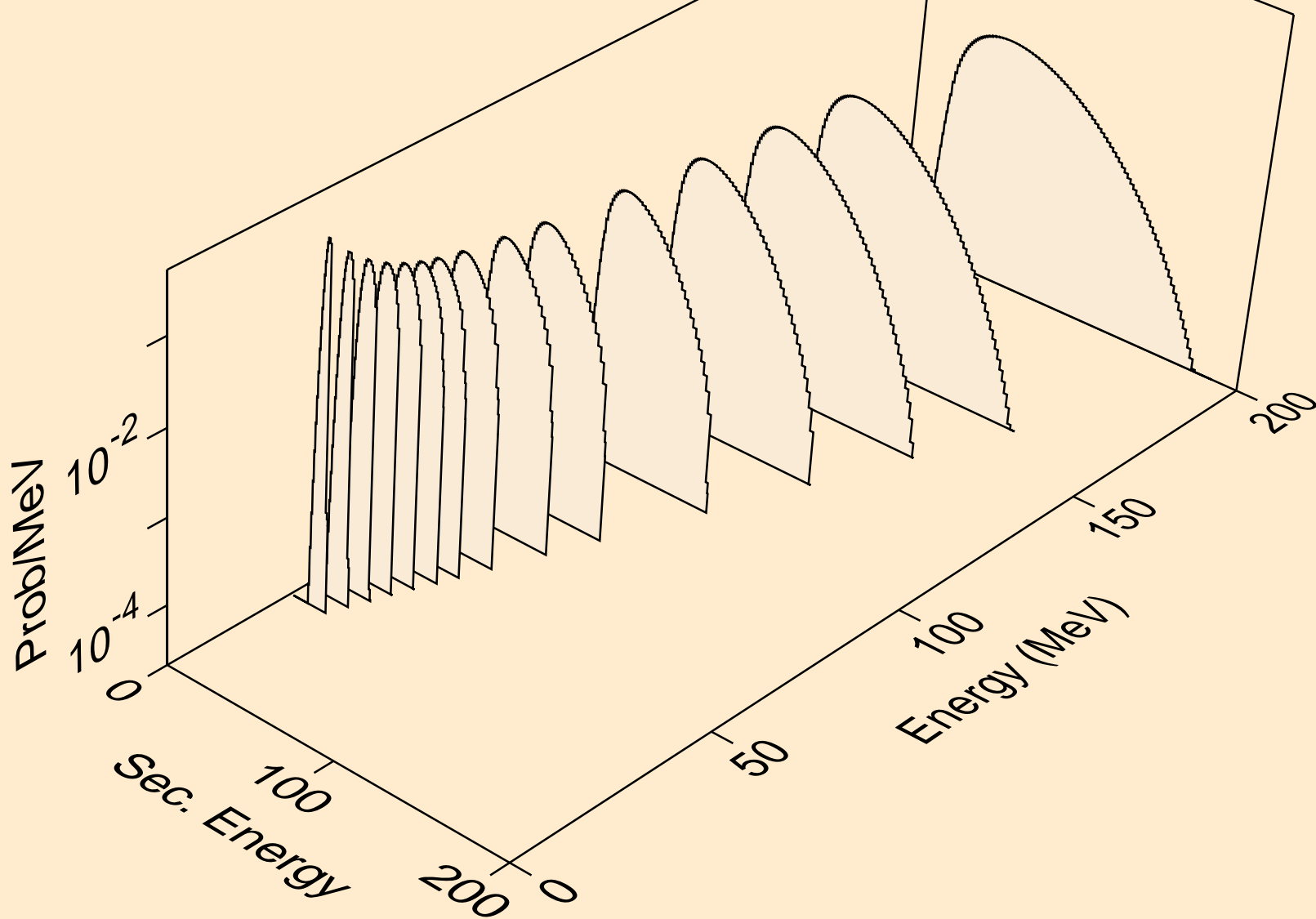
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



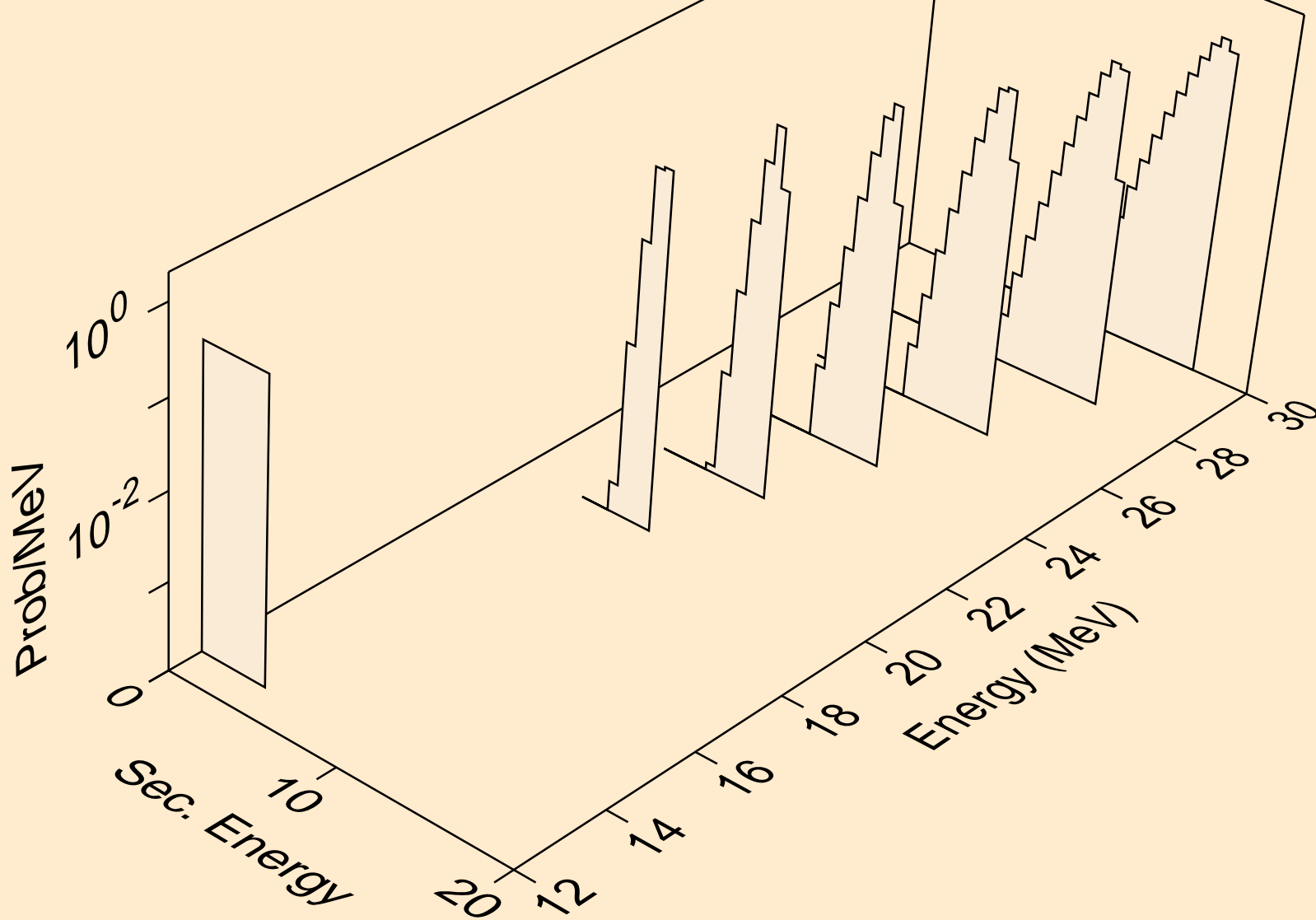
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



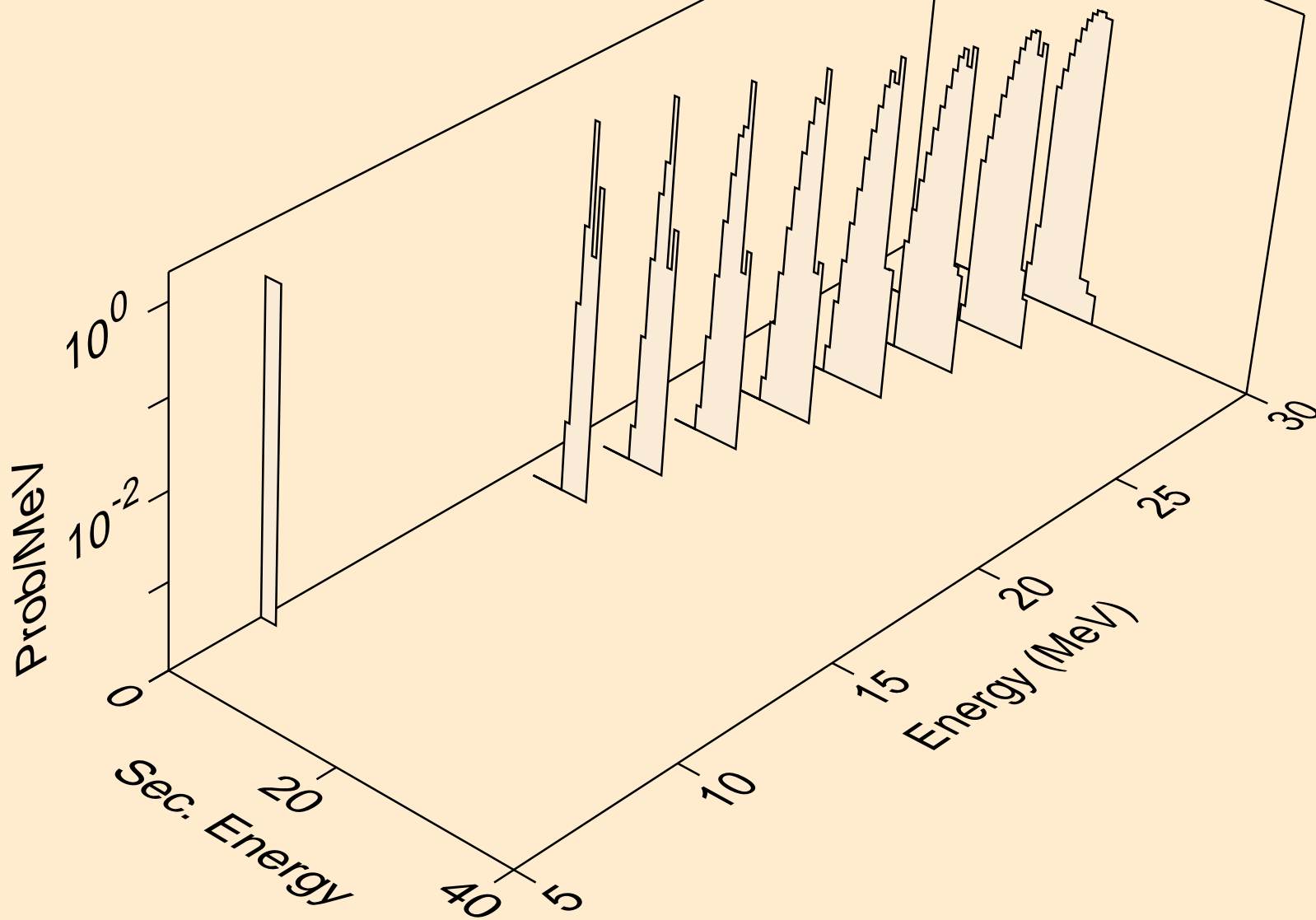
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



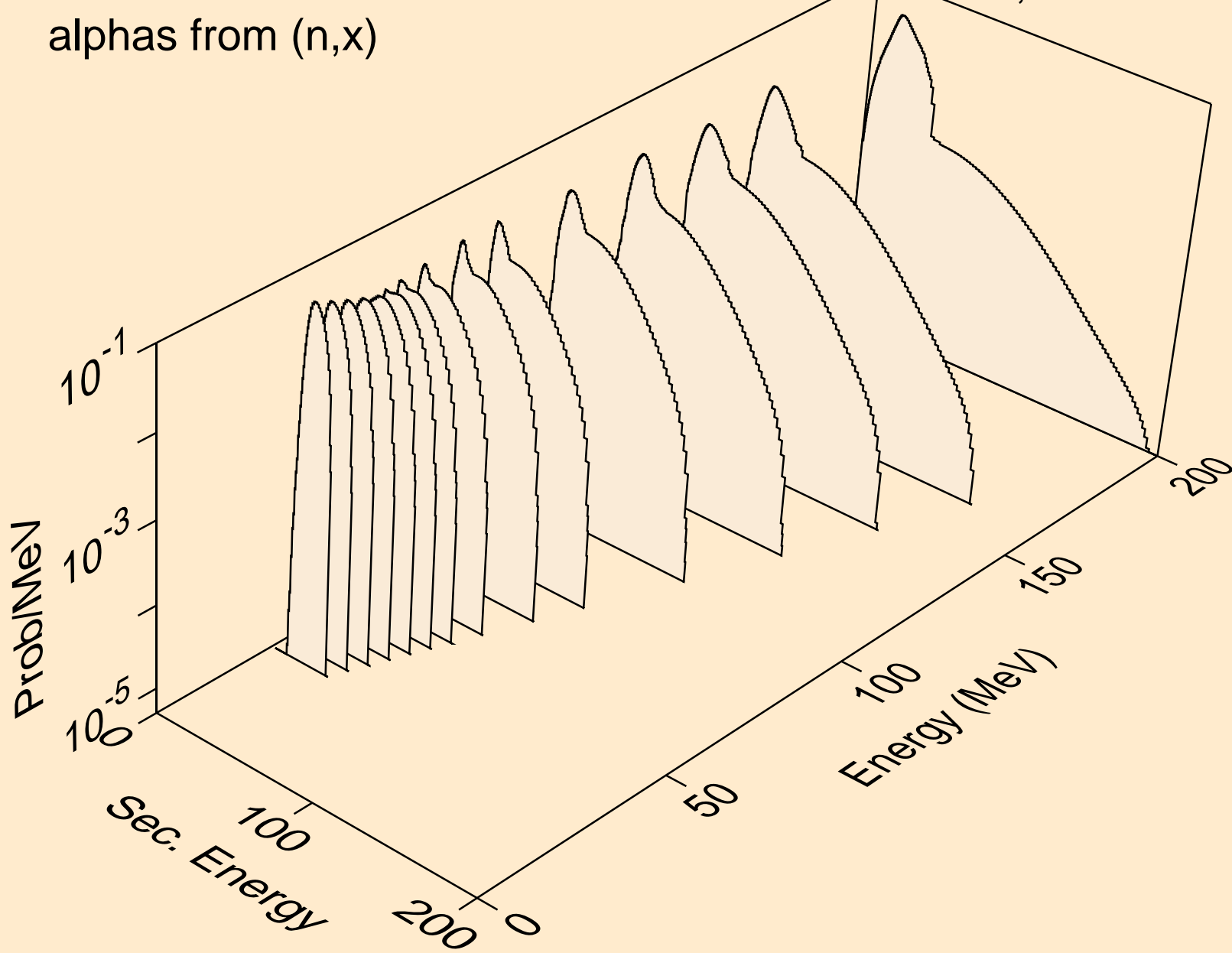
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



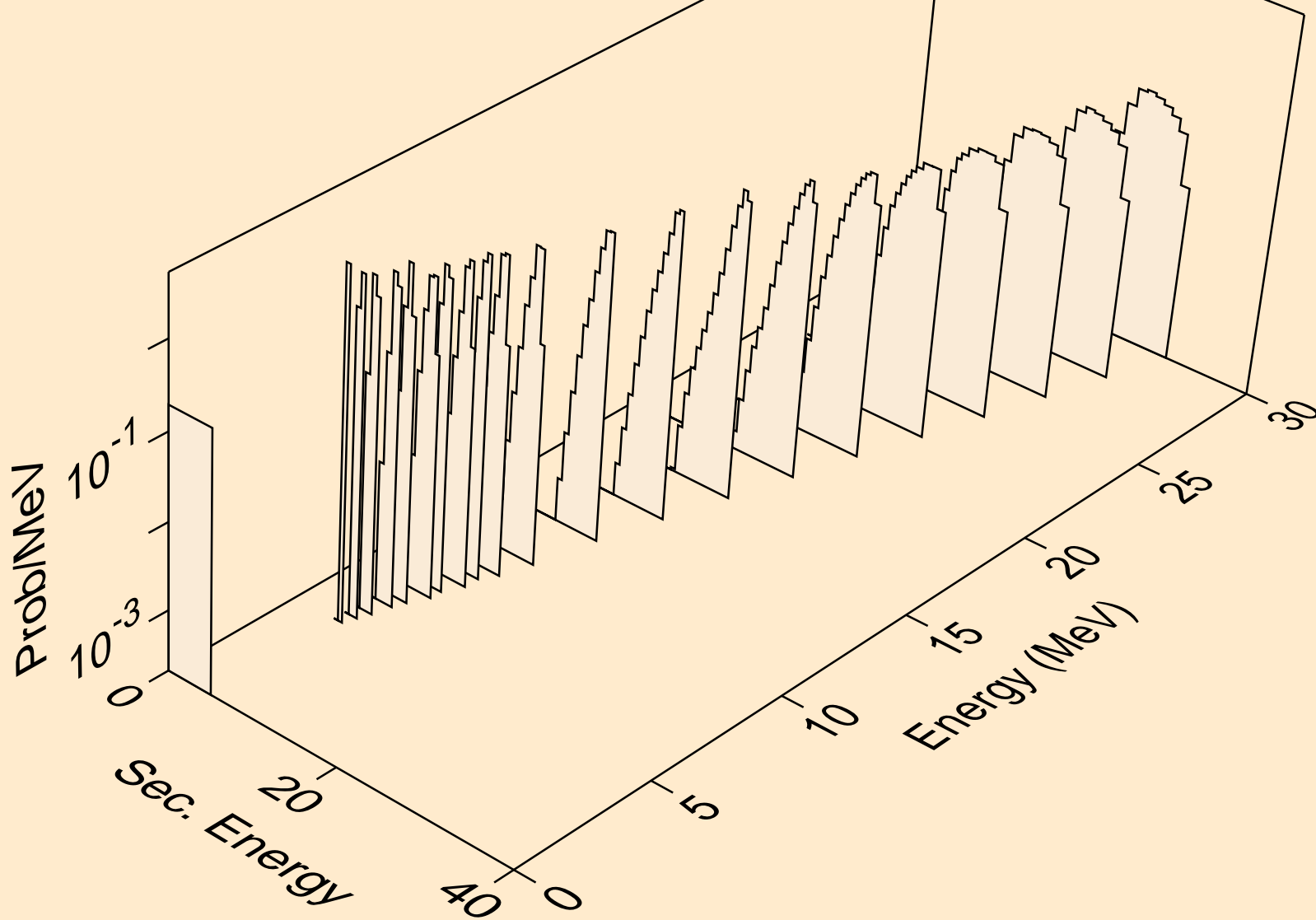
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



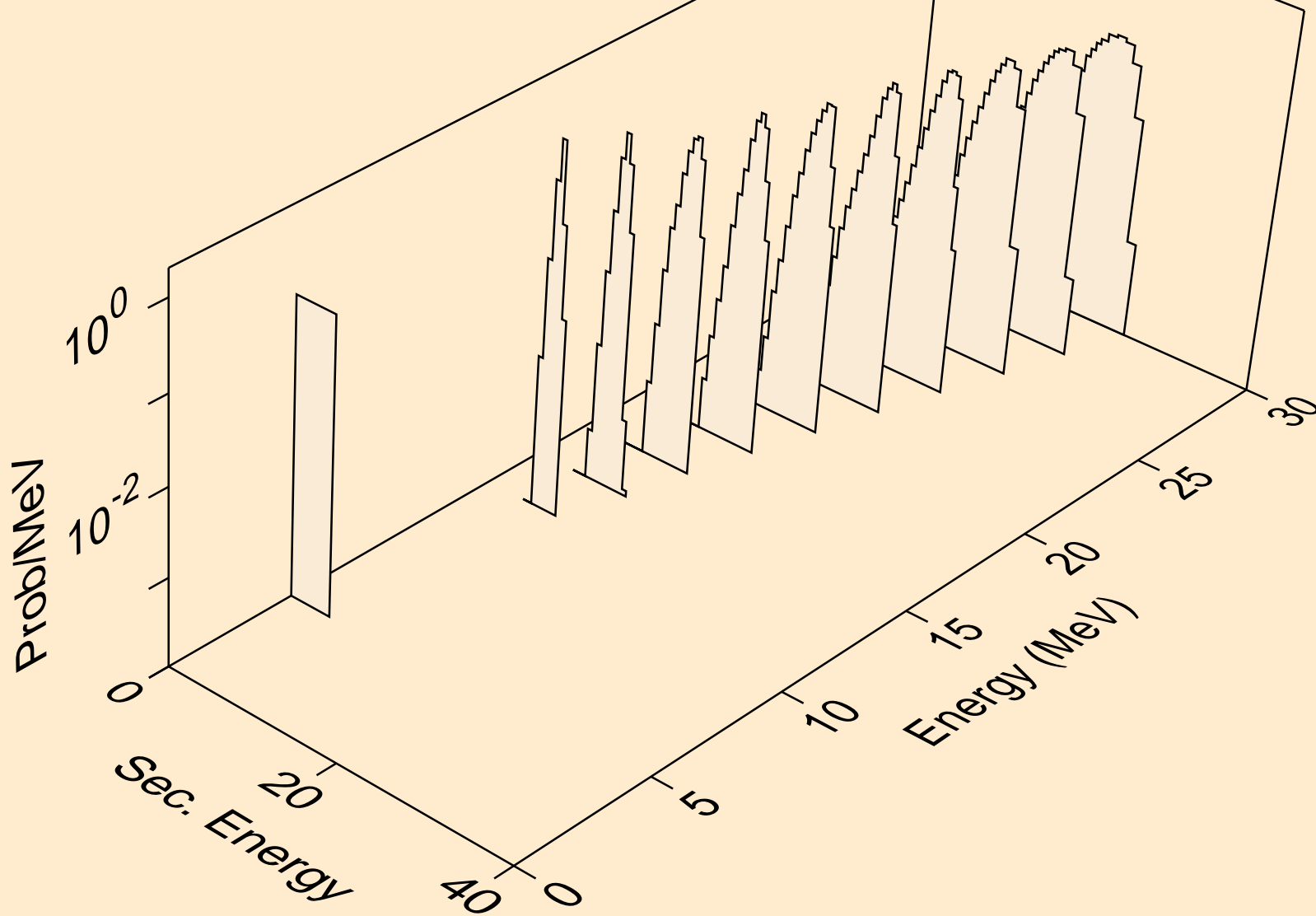
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



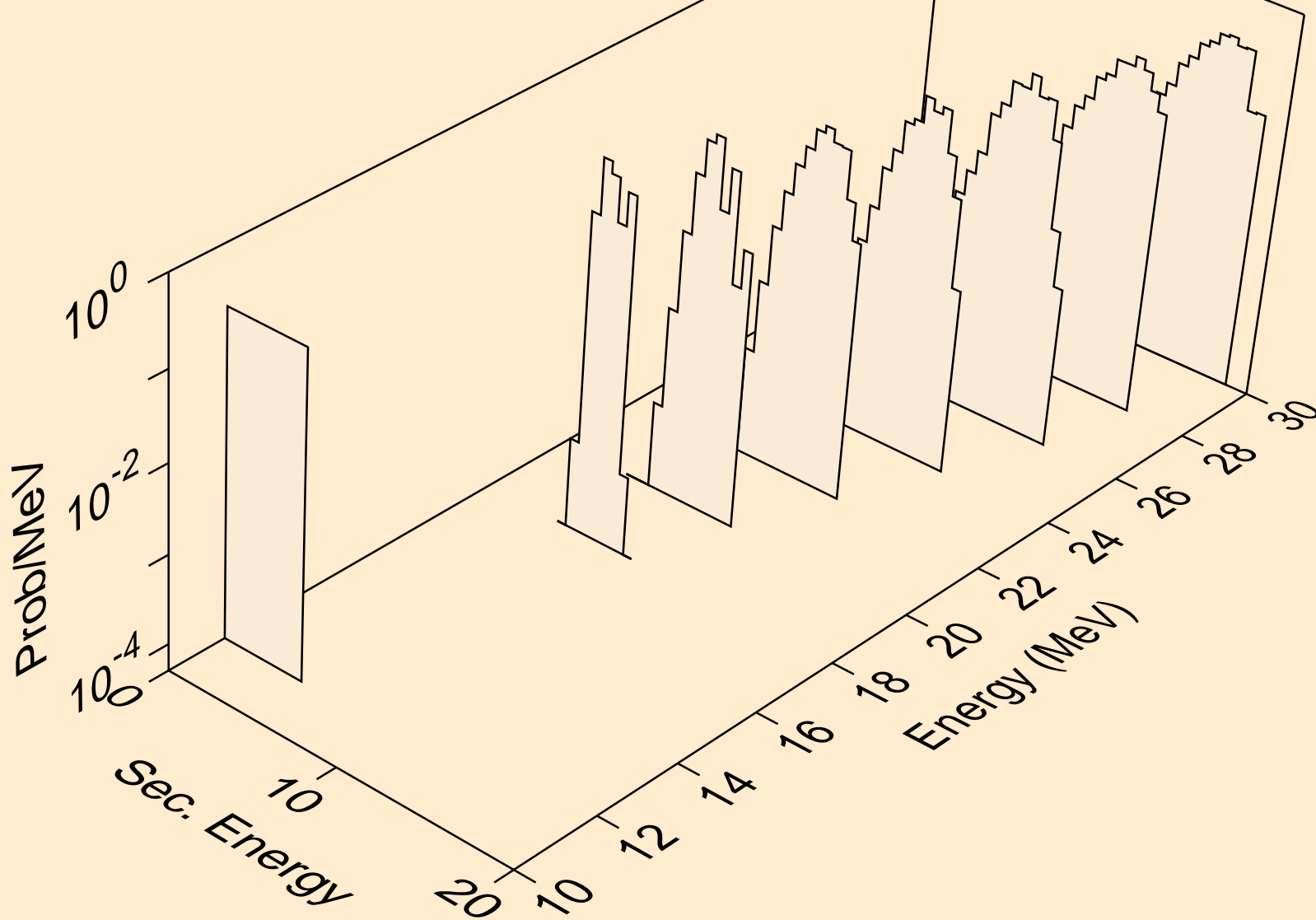
HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



HF181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)

