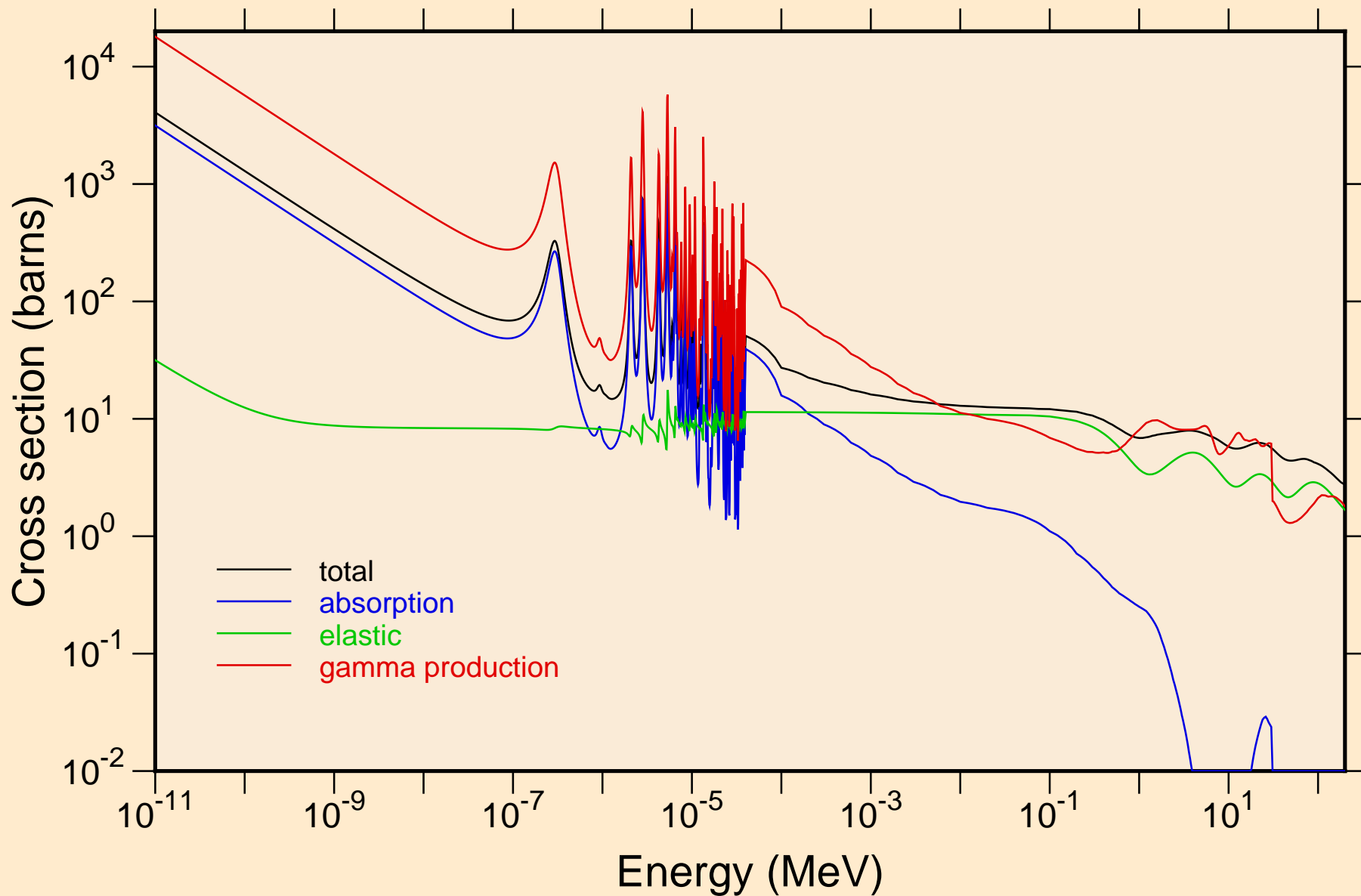
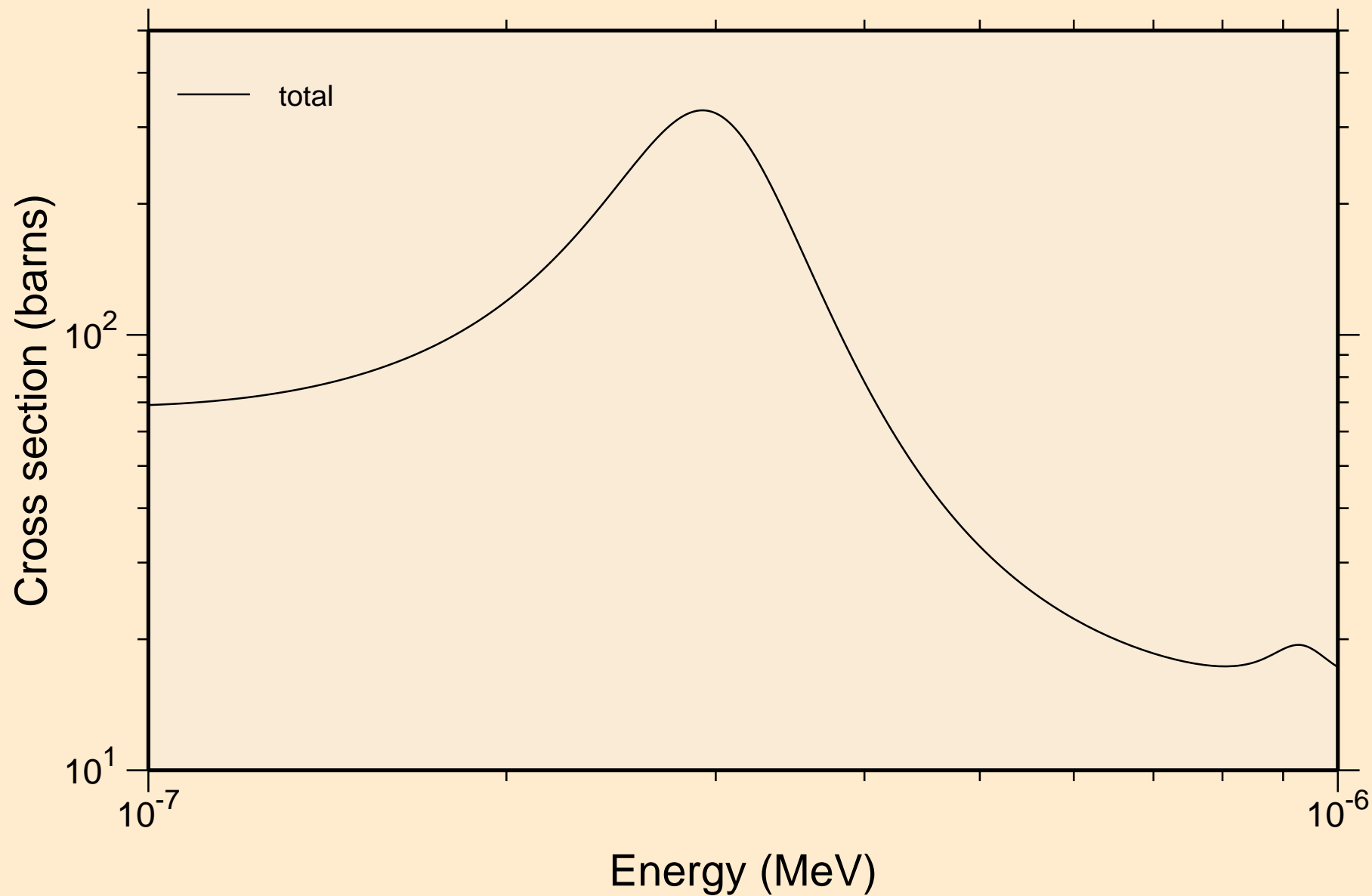


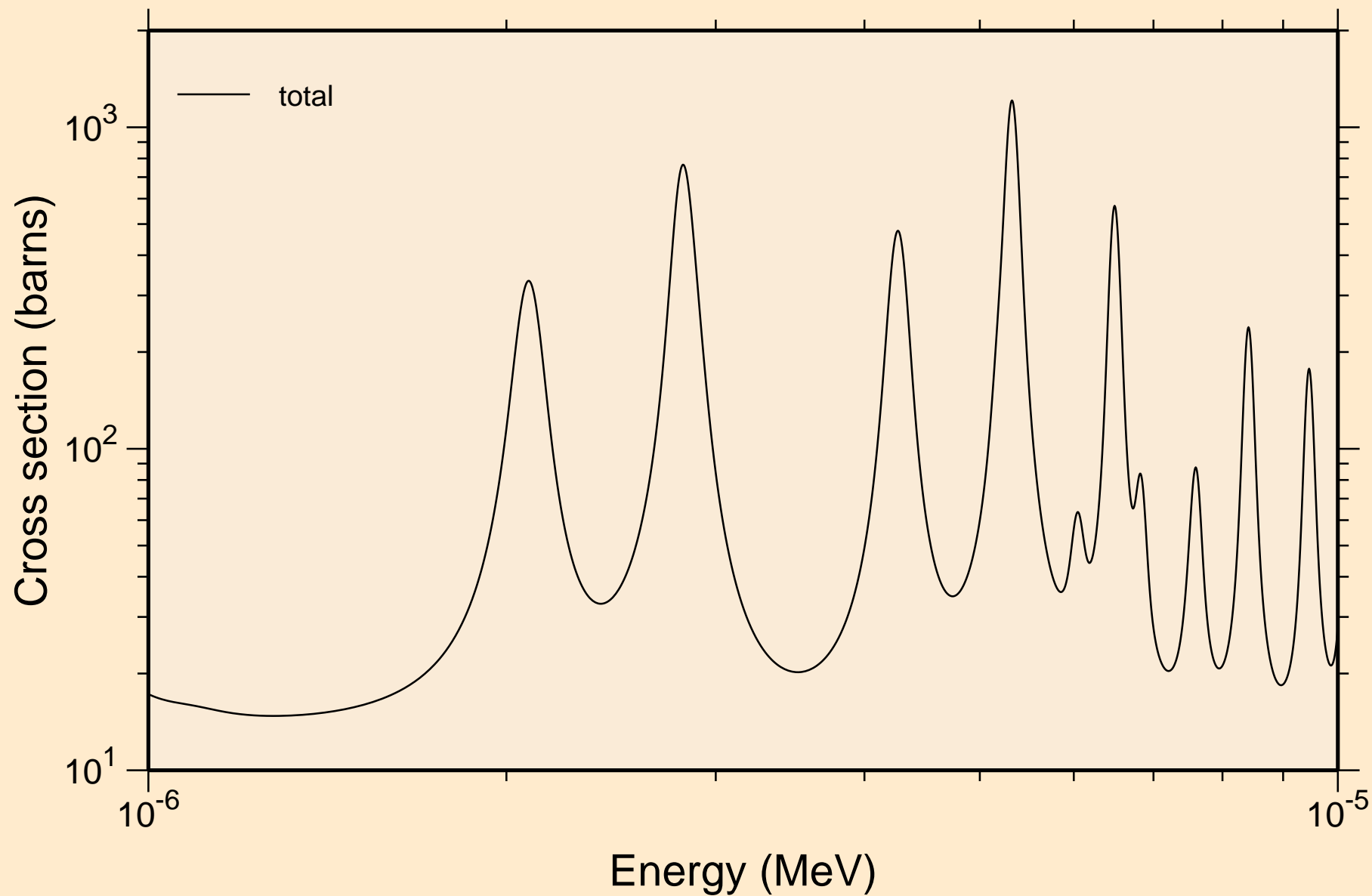
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



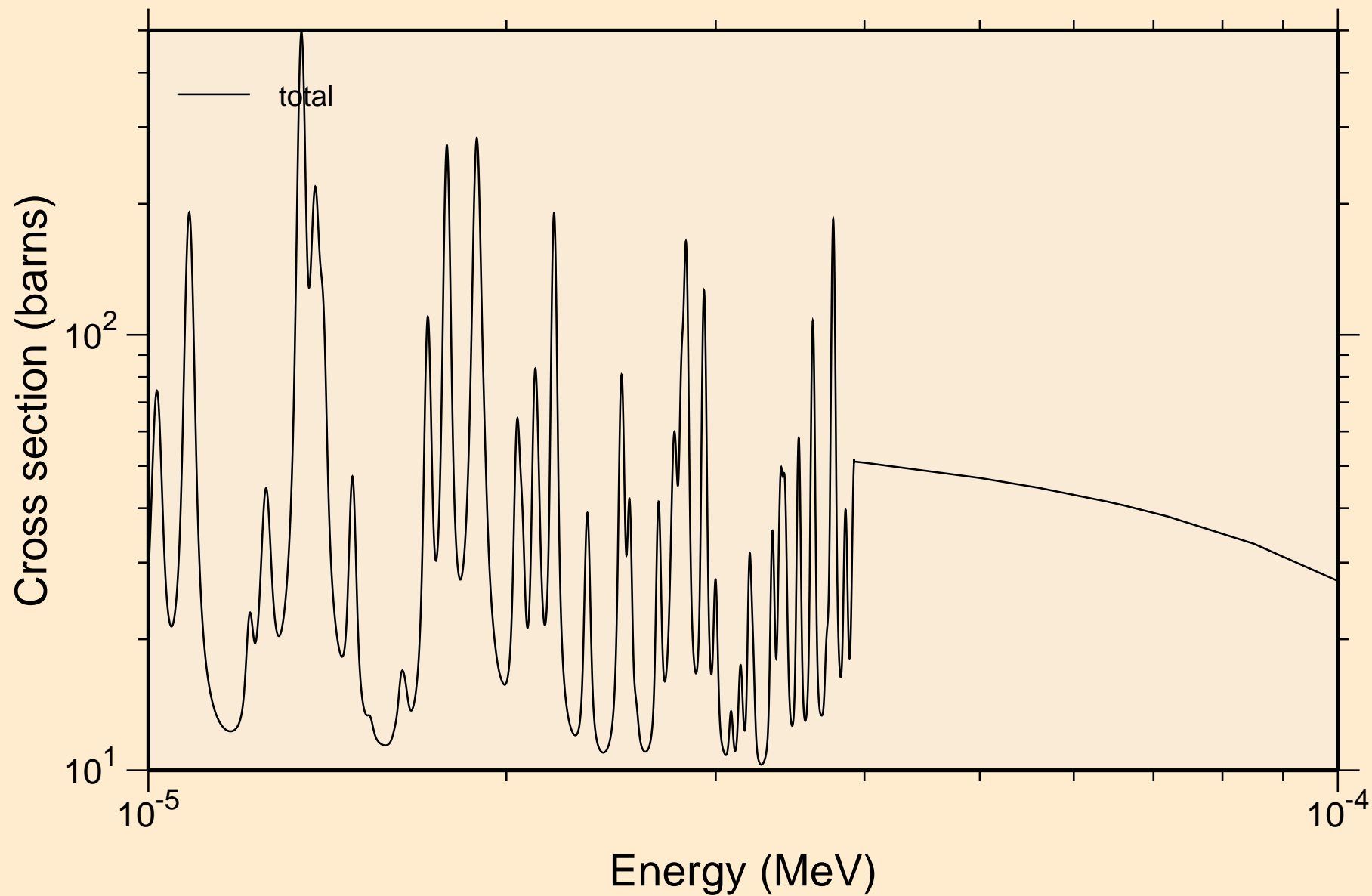
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resonance total cross section



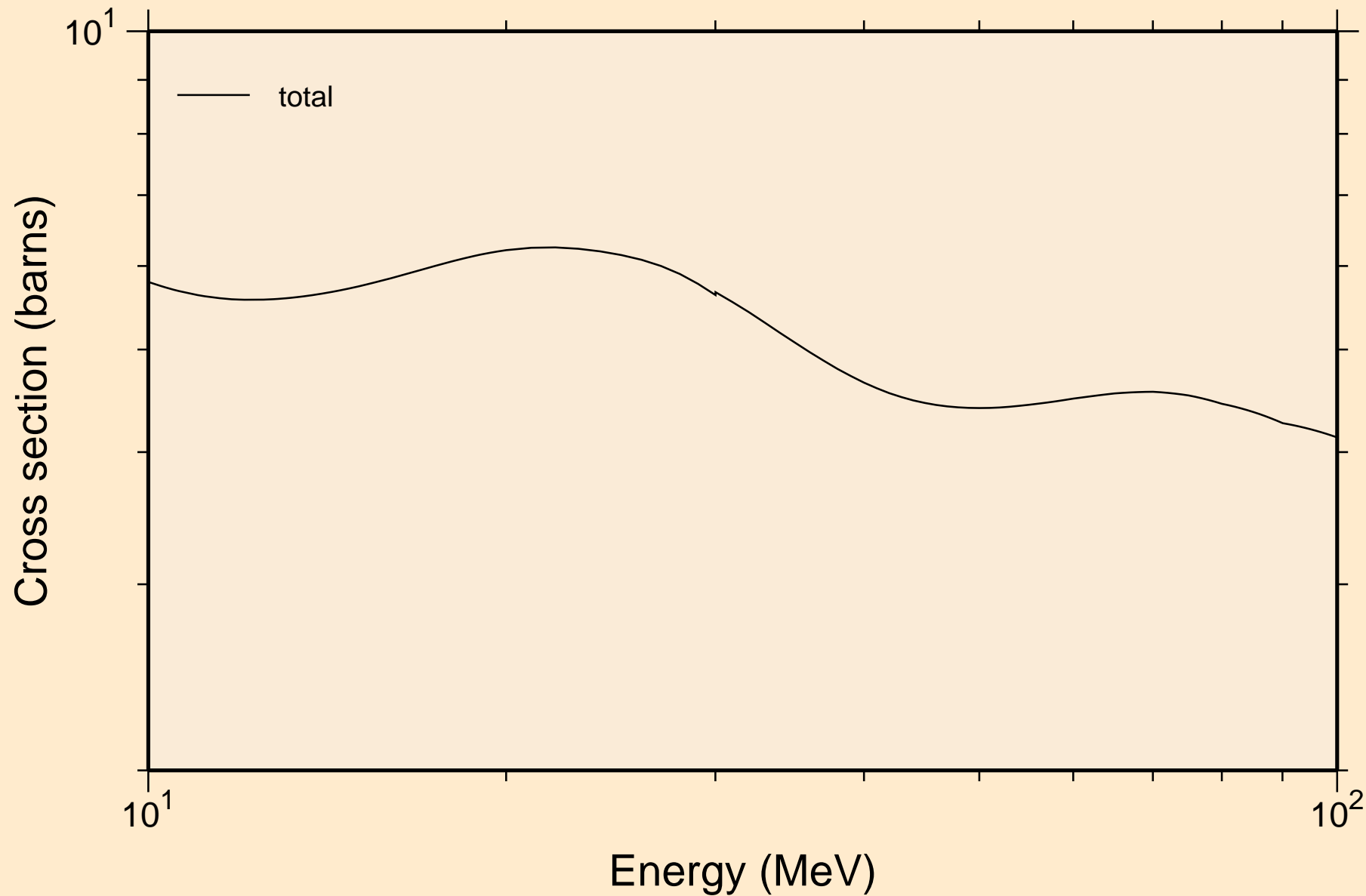
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resonance total cross section



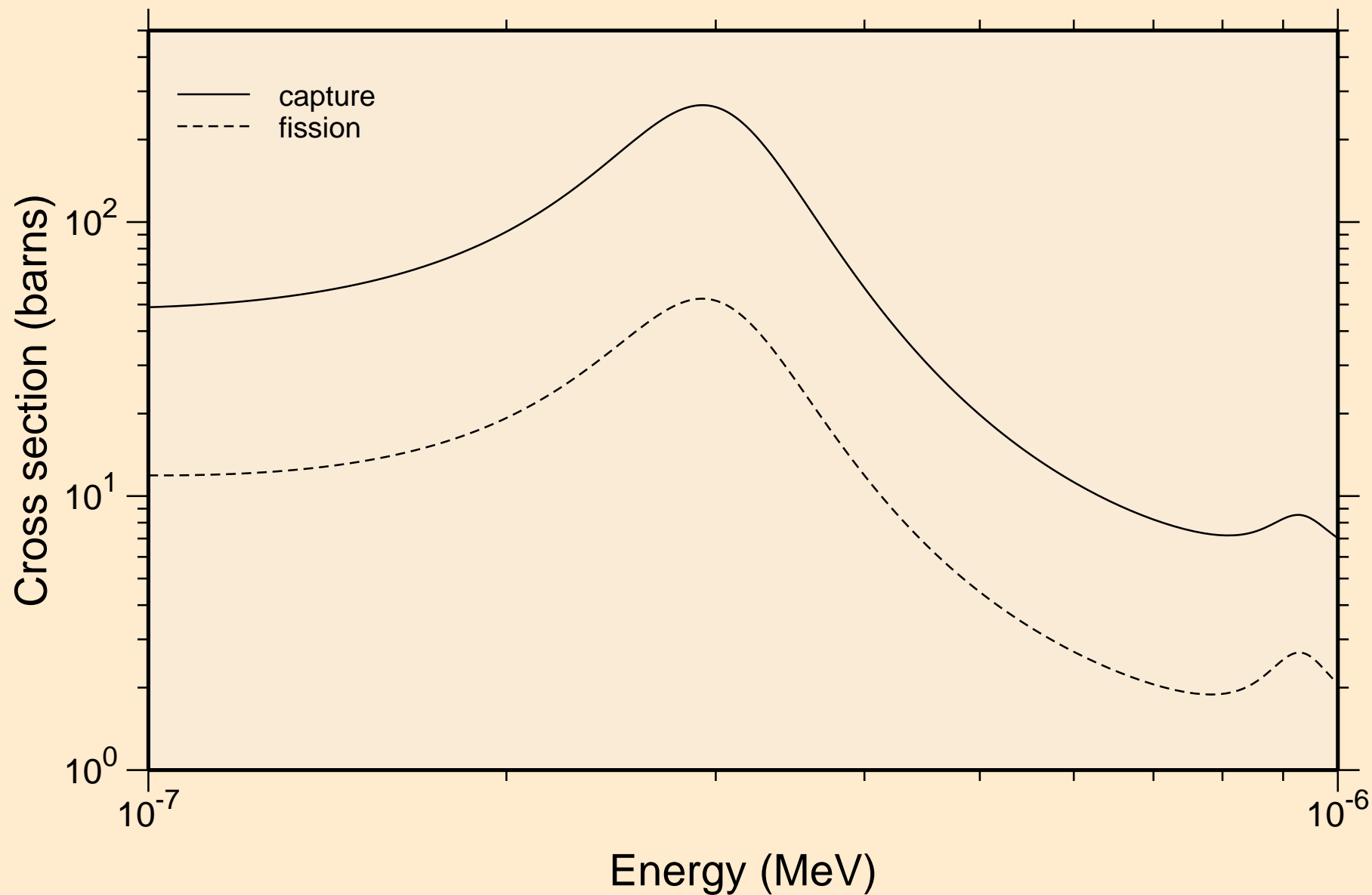
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resonance total cross section



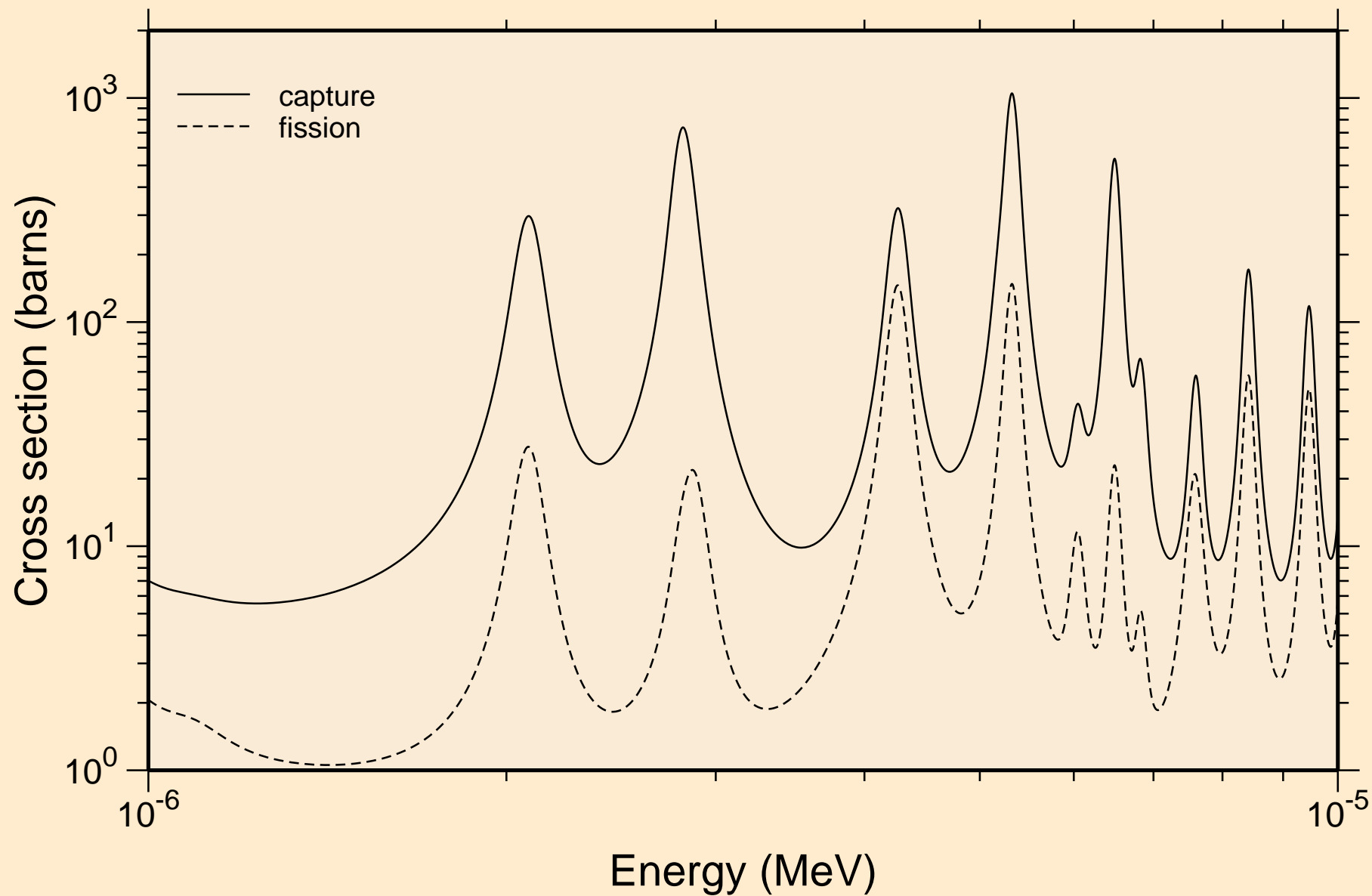
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resonance total cross section



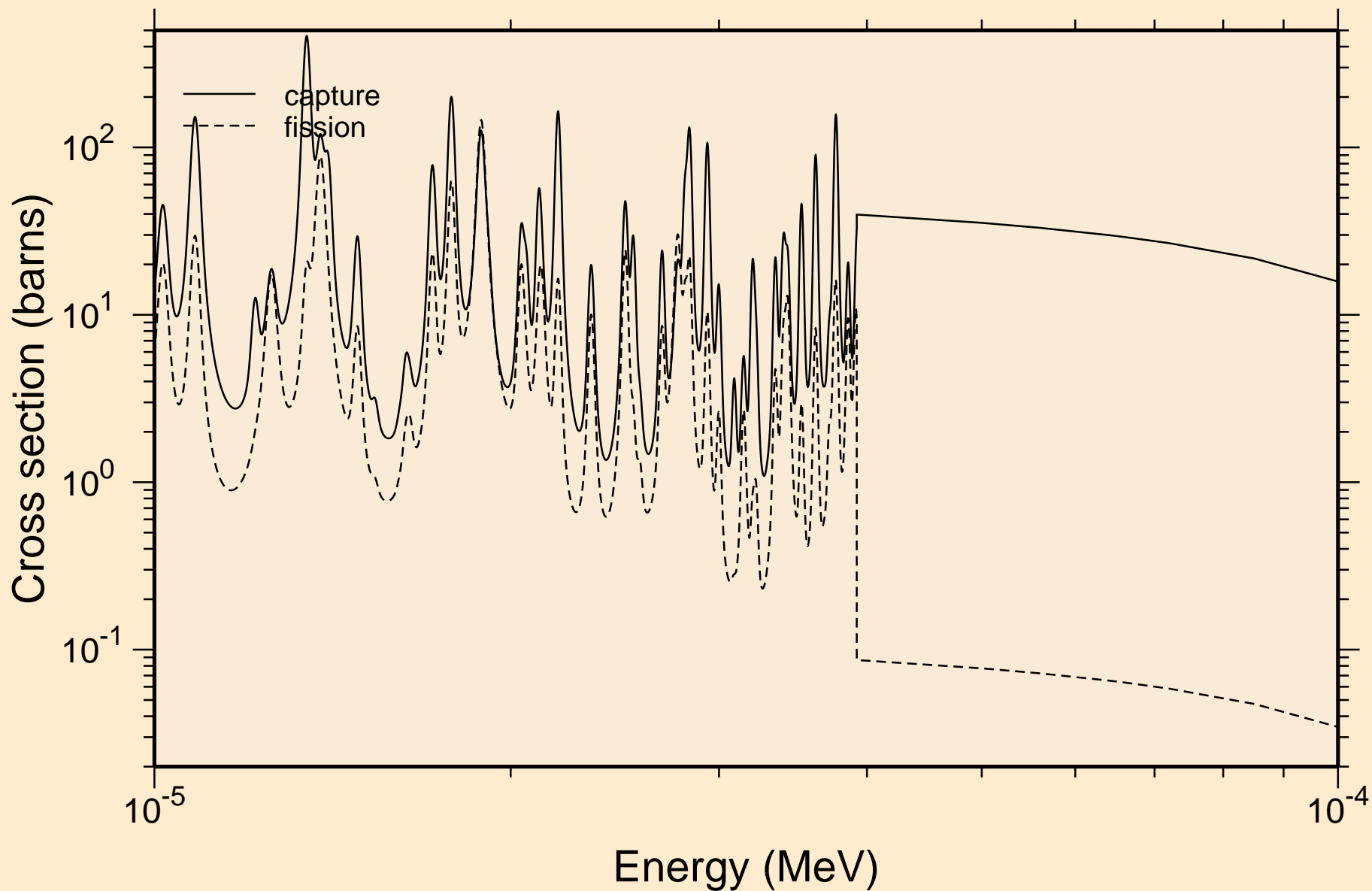
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resonance absorption cross sections



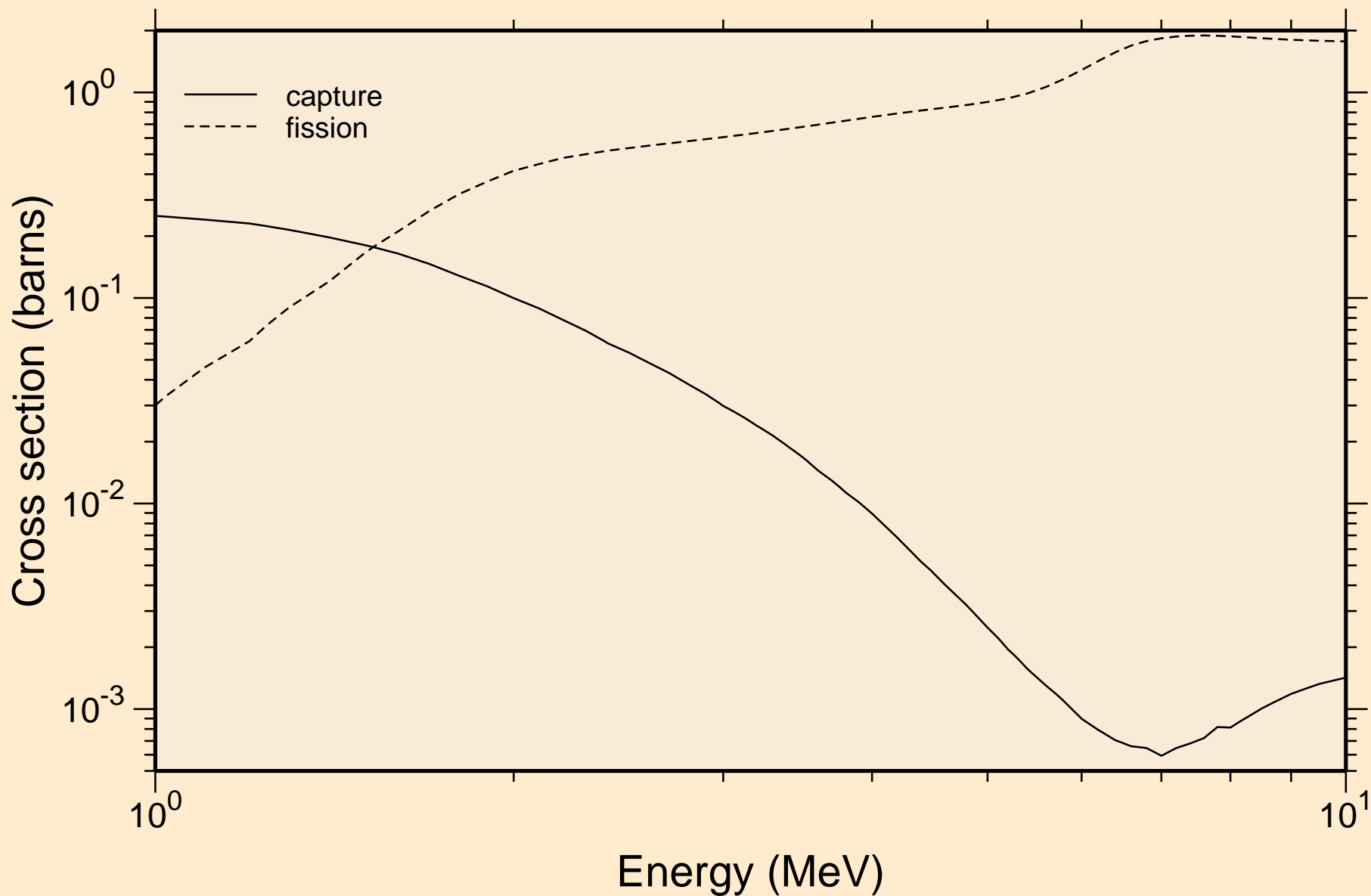
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resonance absorption cross sections



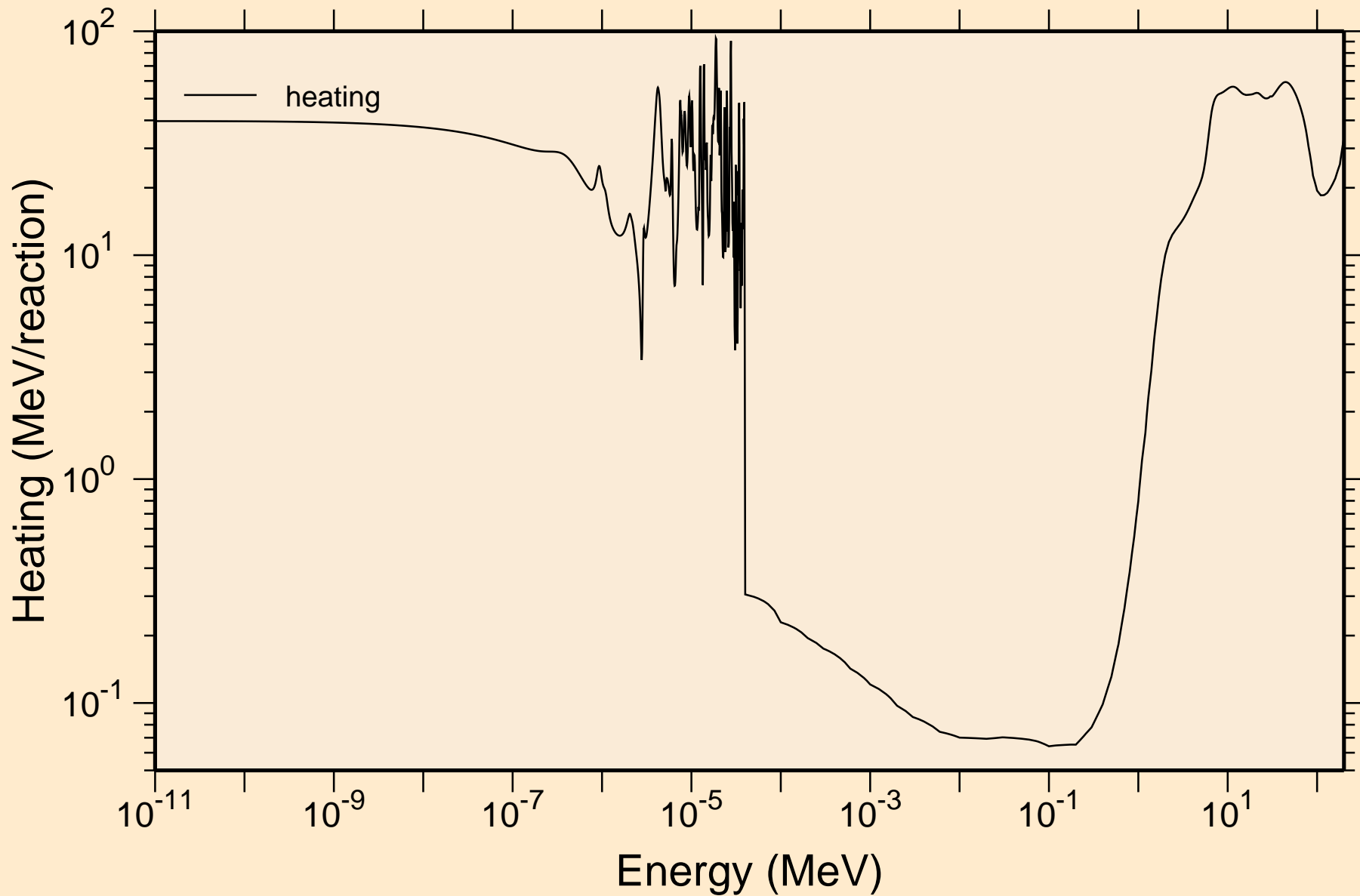
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resonance absorption cross sections



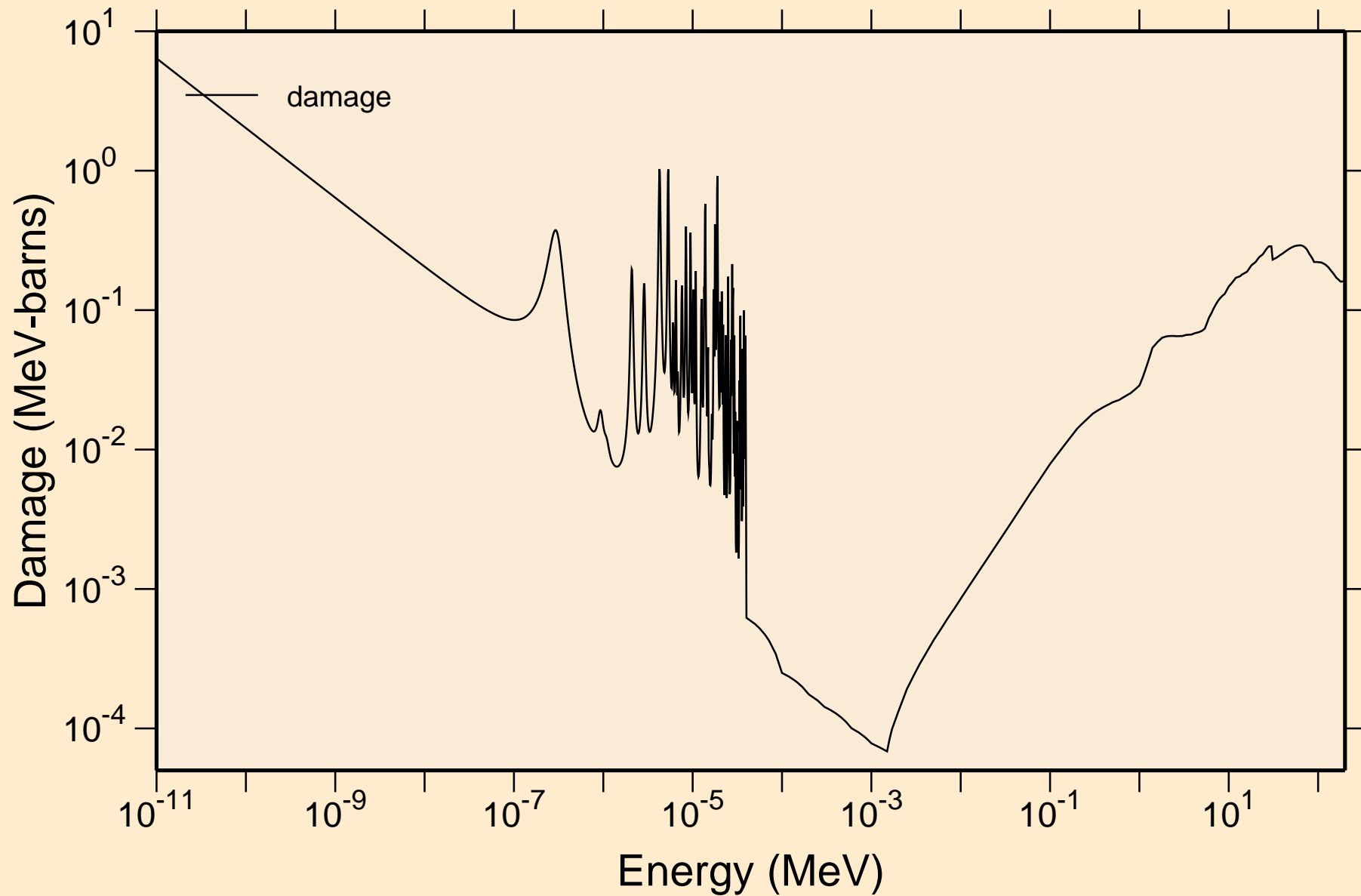
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resonance absorption cross sections



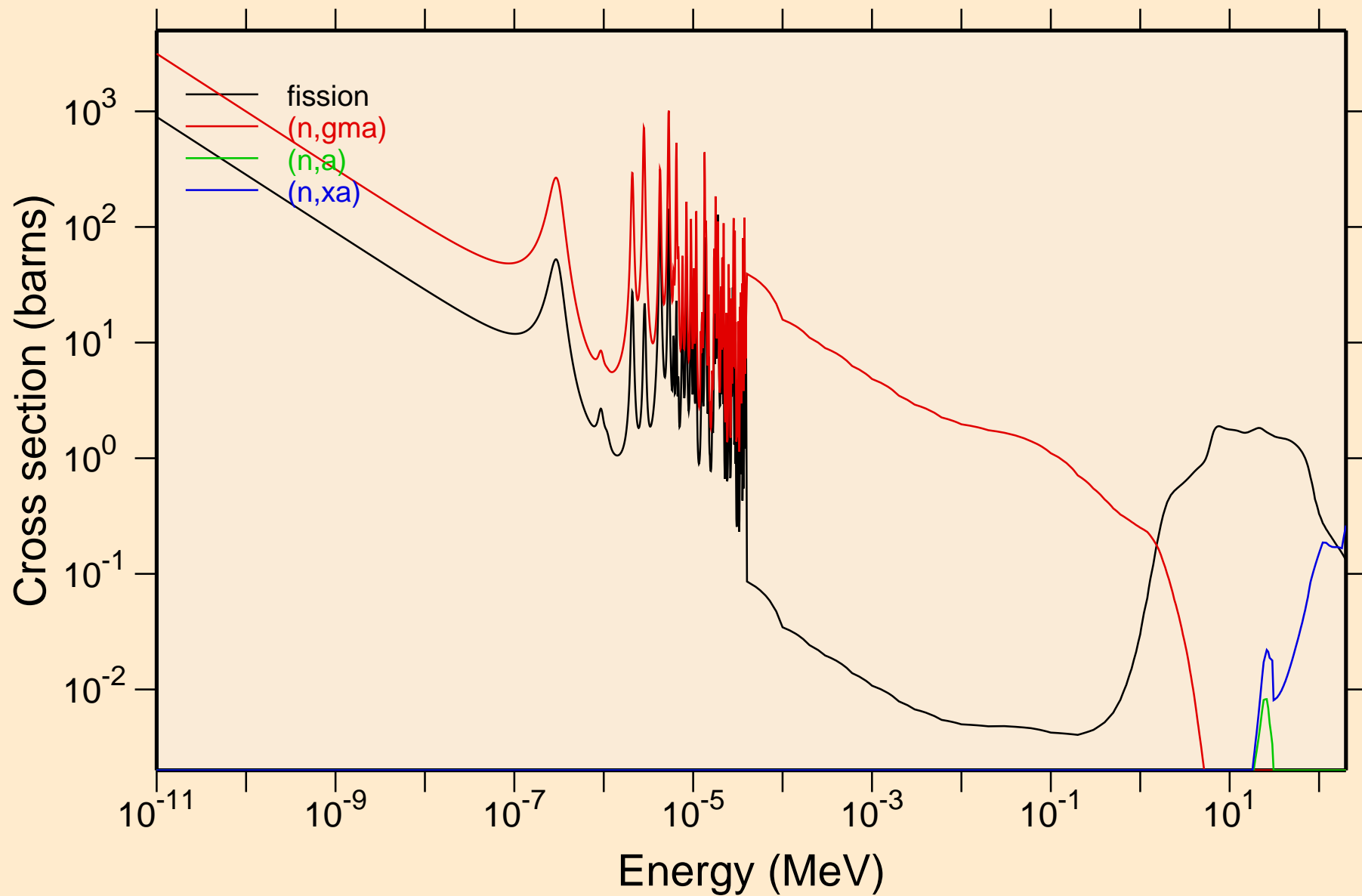
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Heating



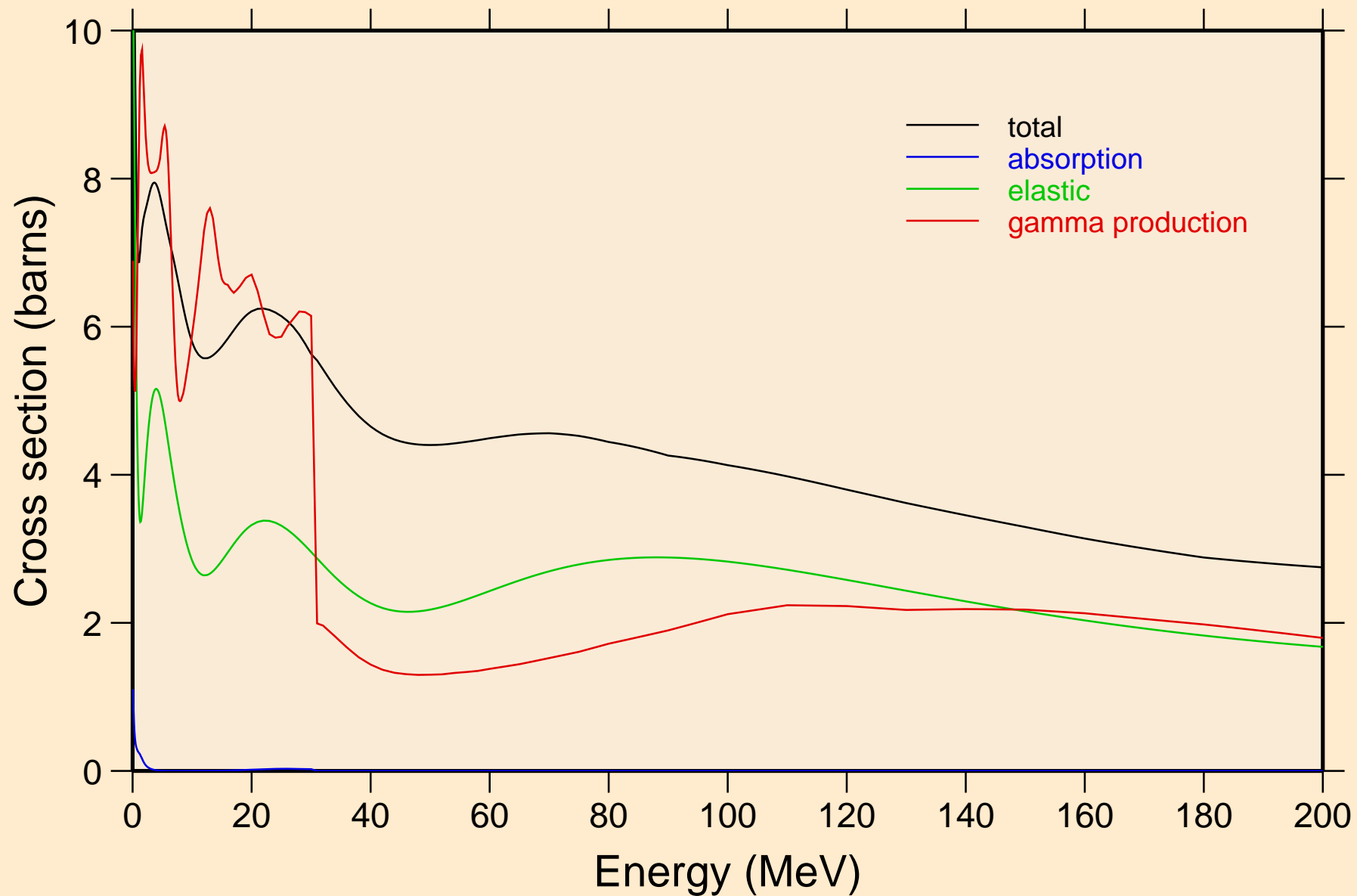
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Damage



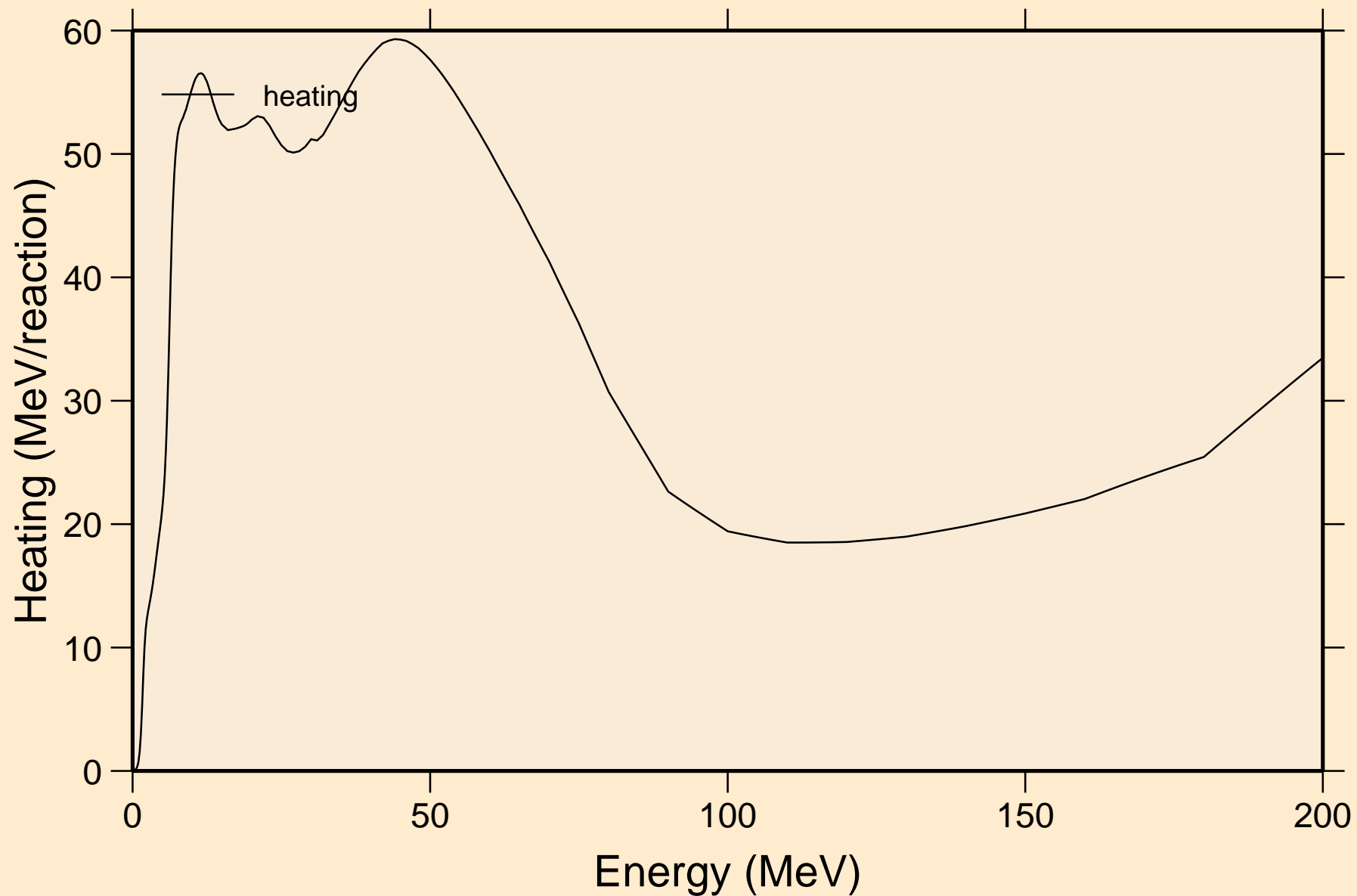
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



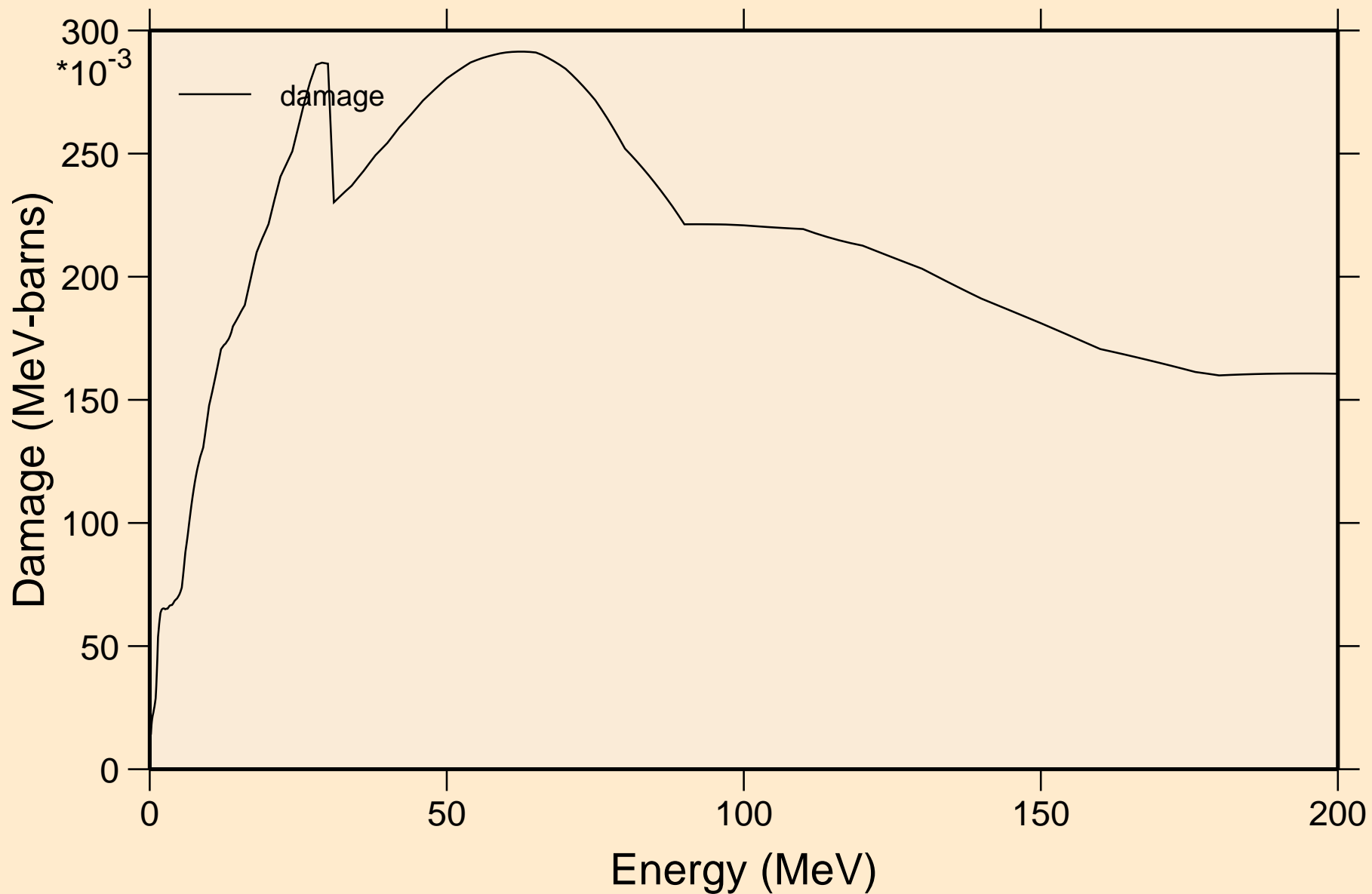
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Principal cross sections



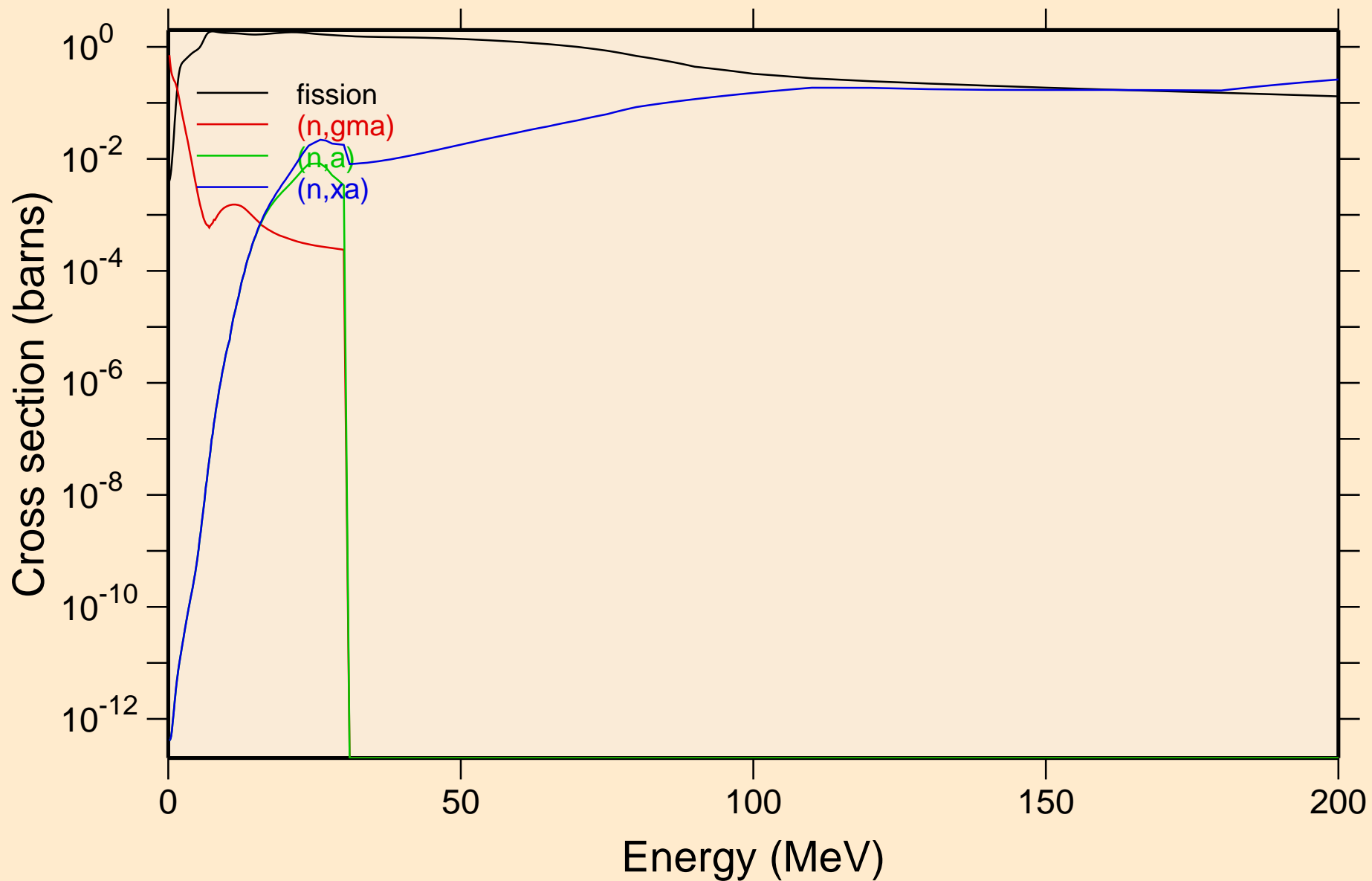
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



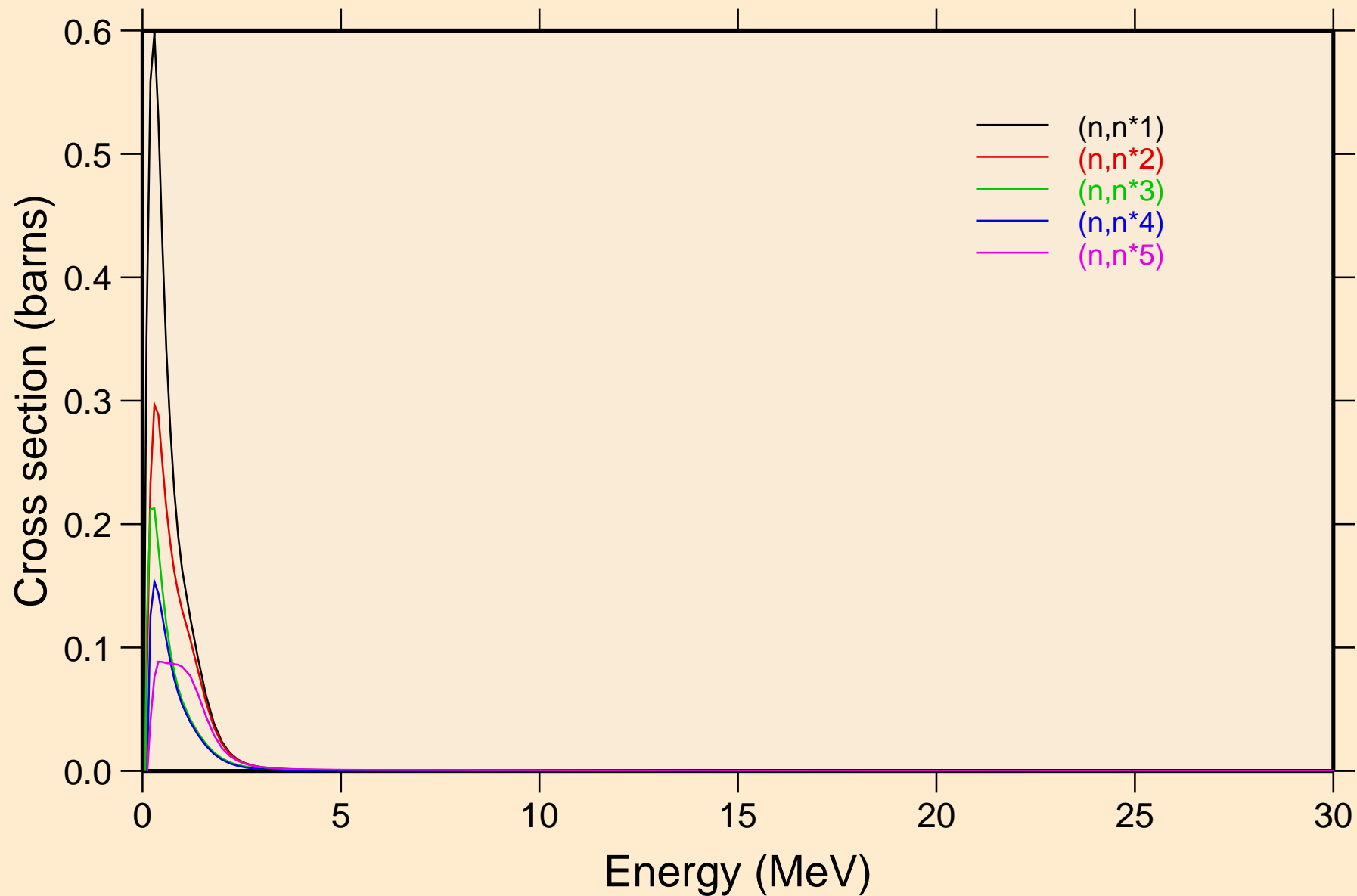
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



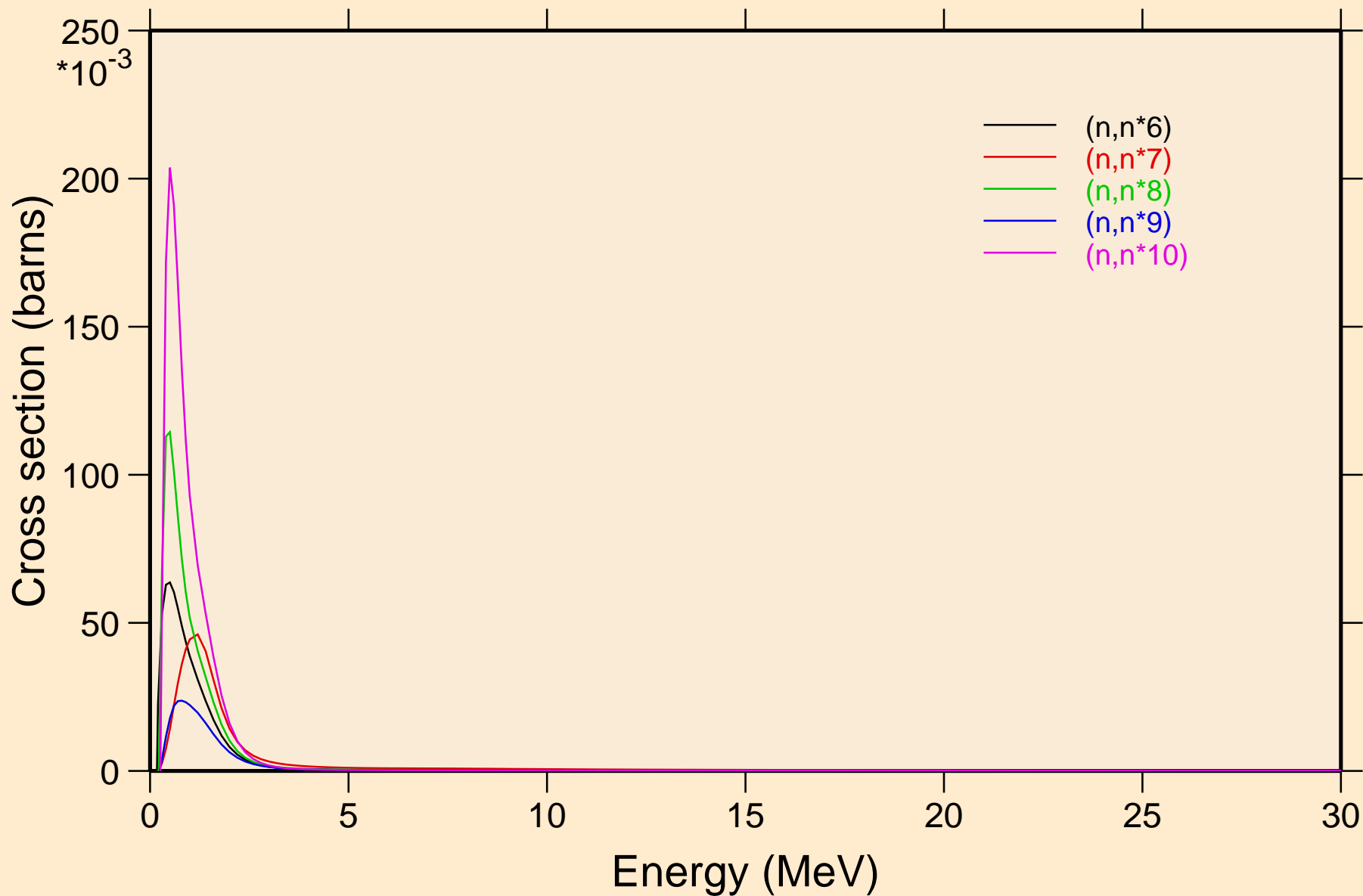
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Non-threshold reactions



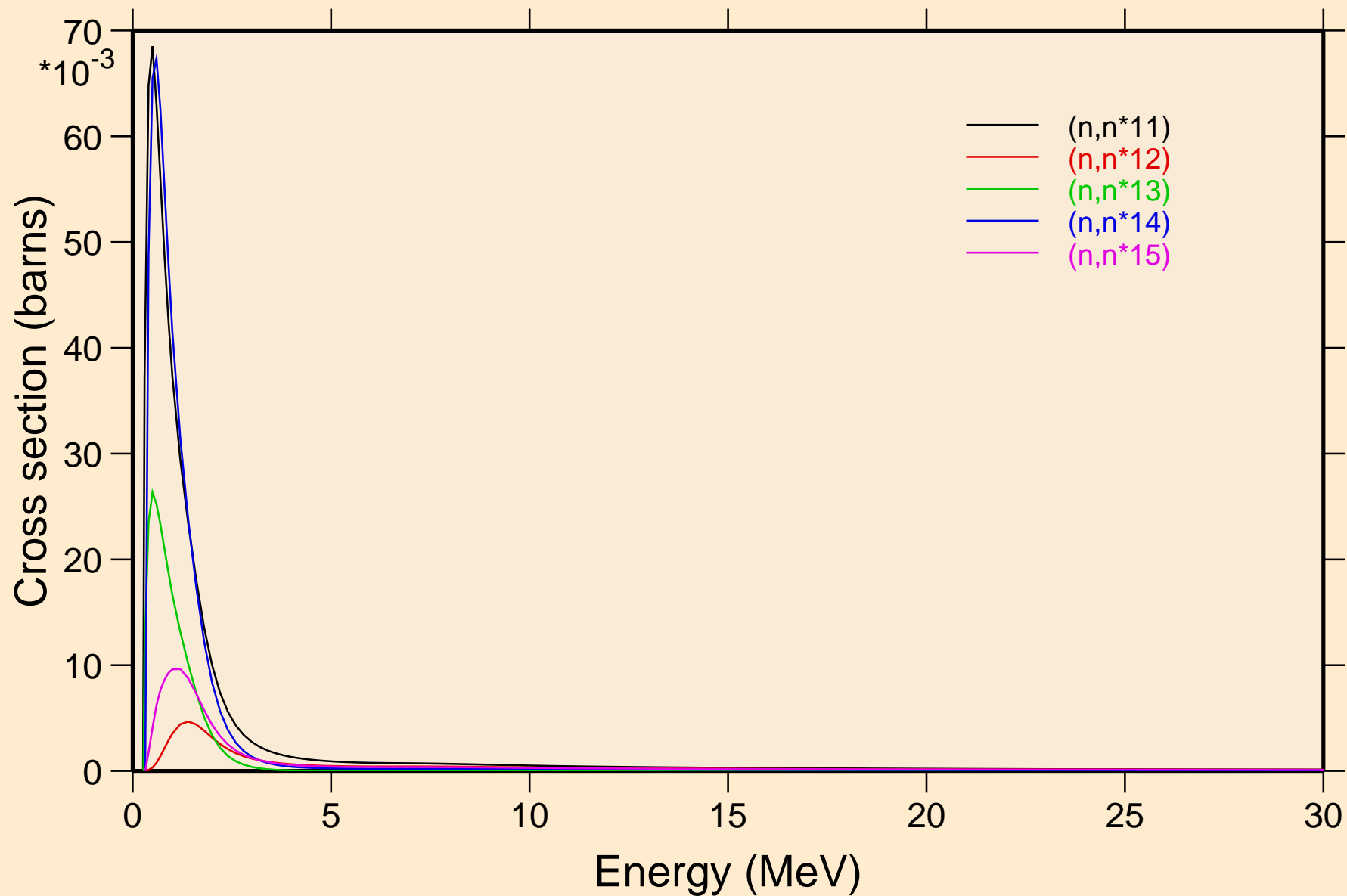
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Inelastic levels



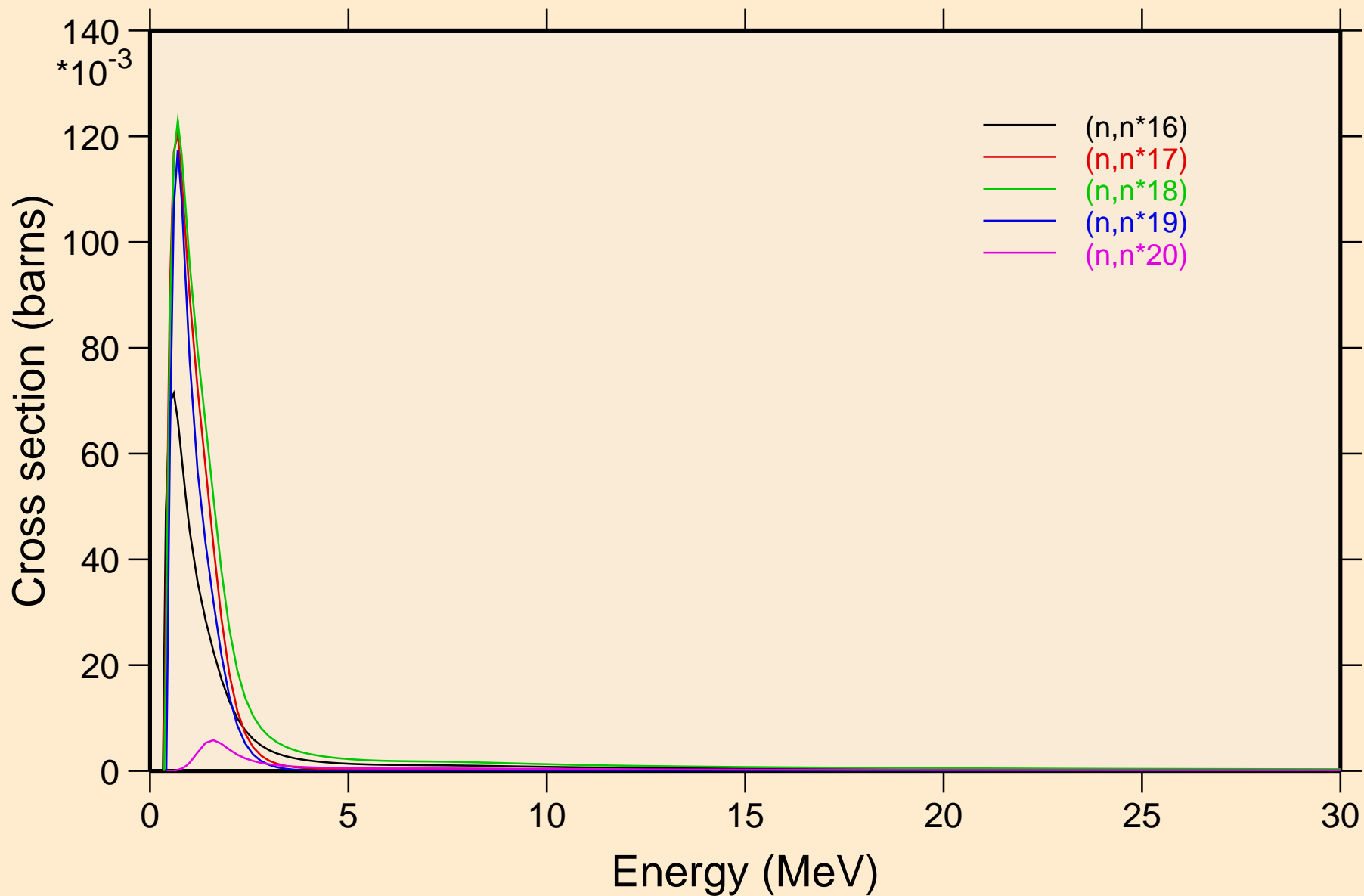
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Inelastic levels



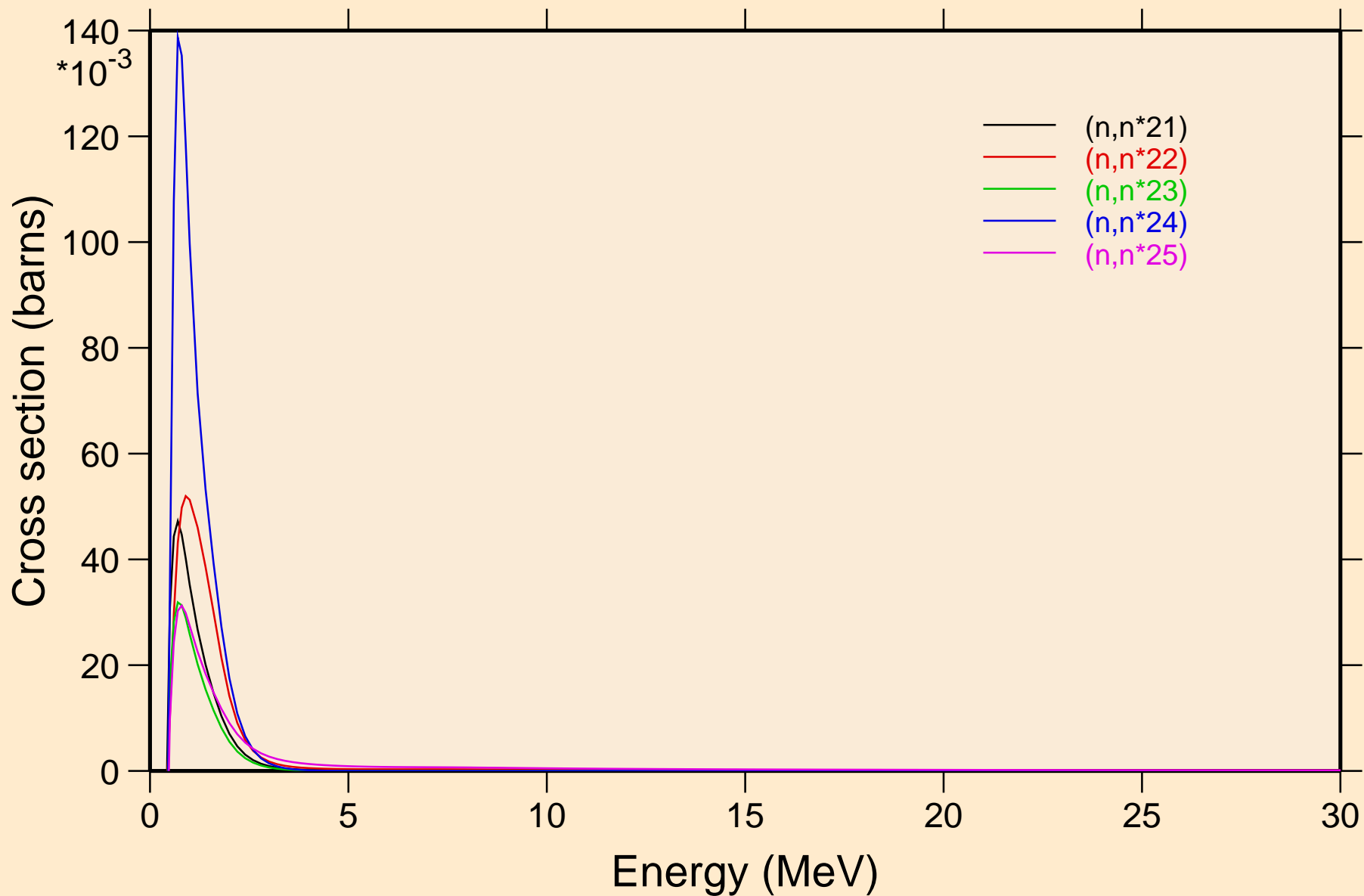
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Inelastic levels



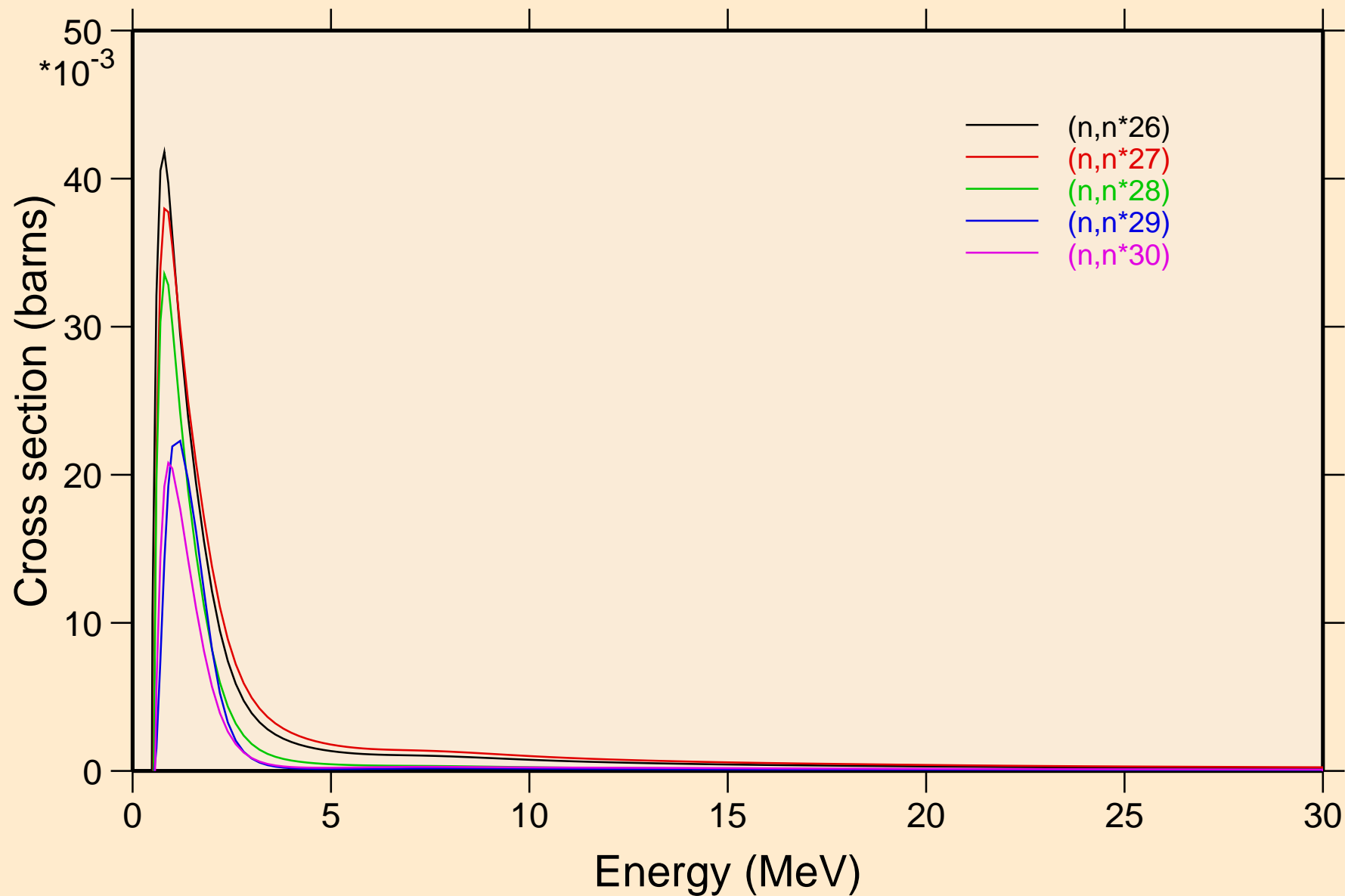
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Inelastic levels



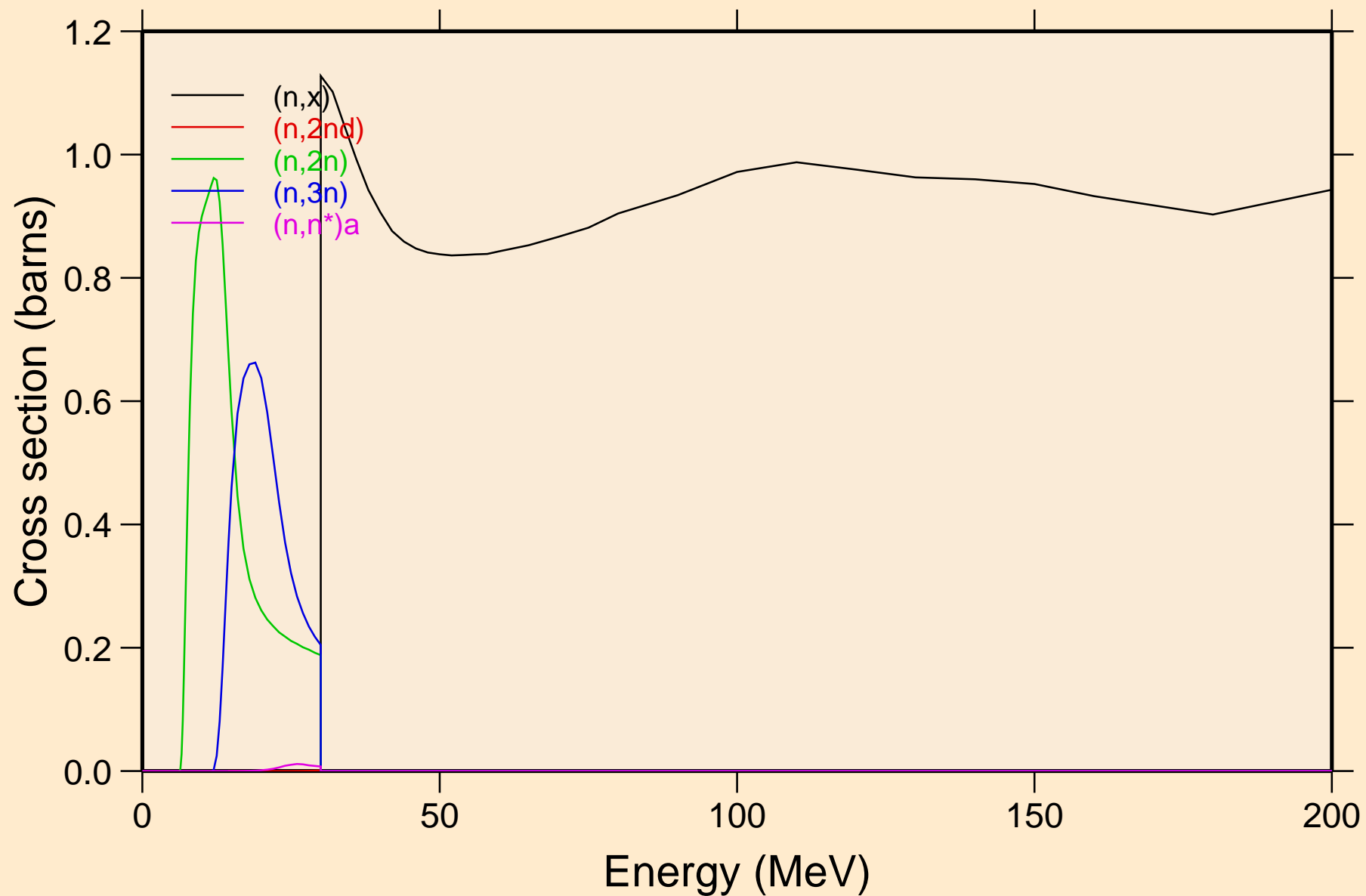
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Inelastic levels



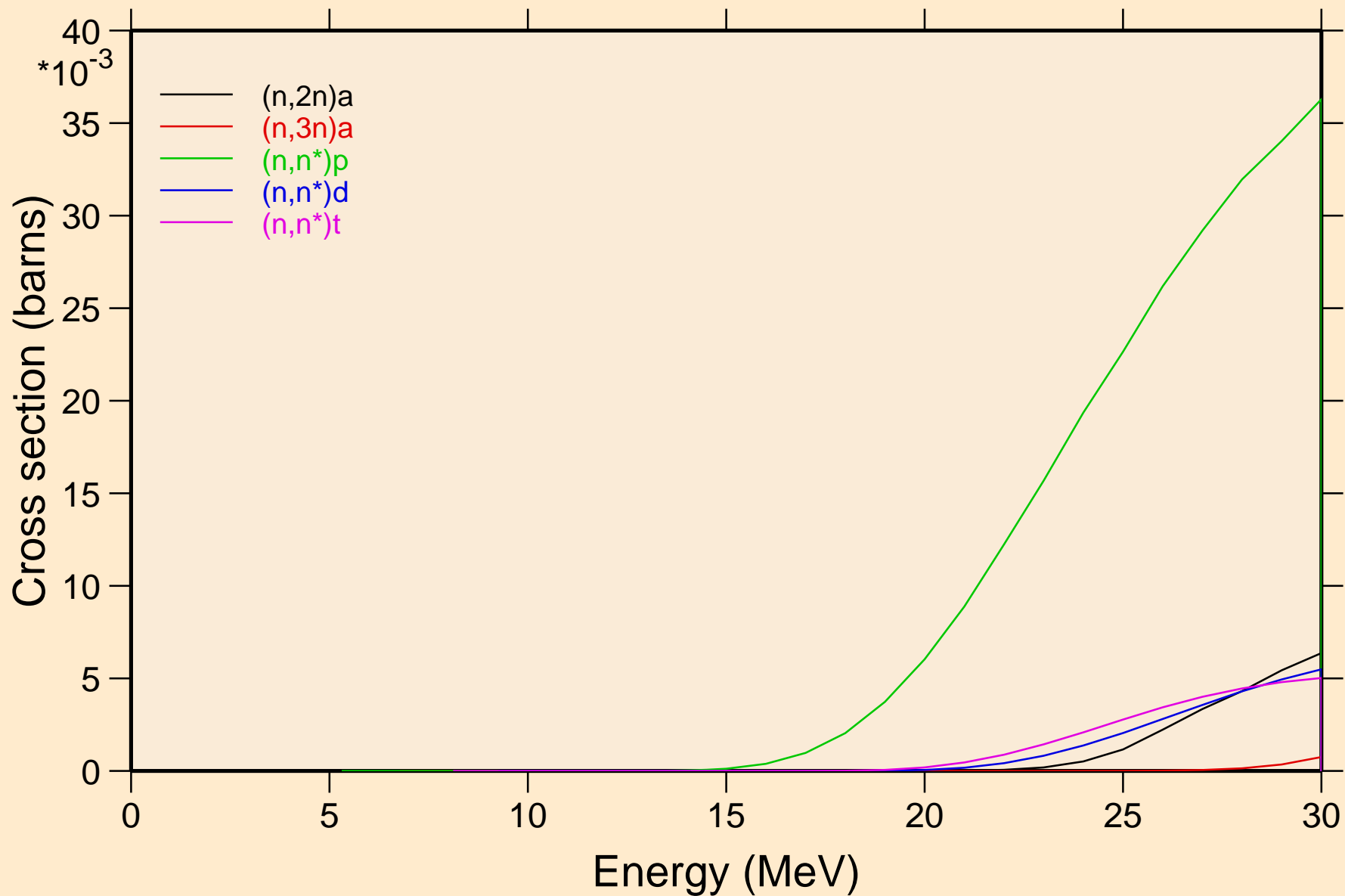
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Inelastic levels



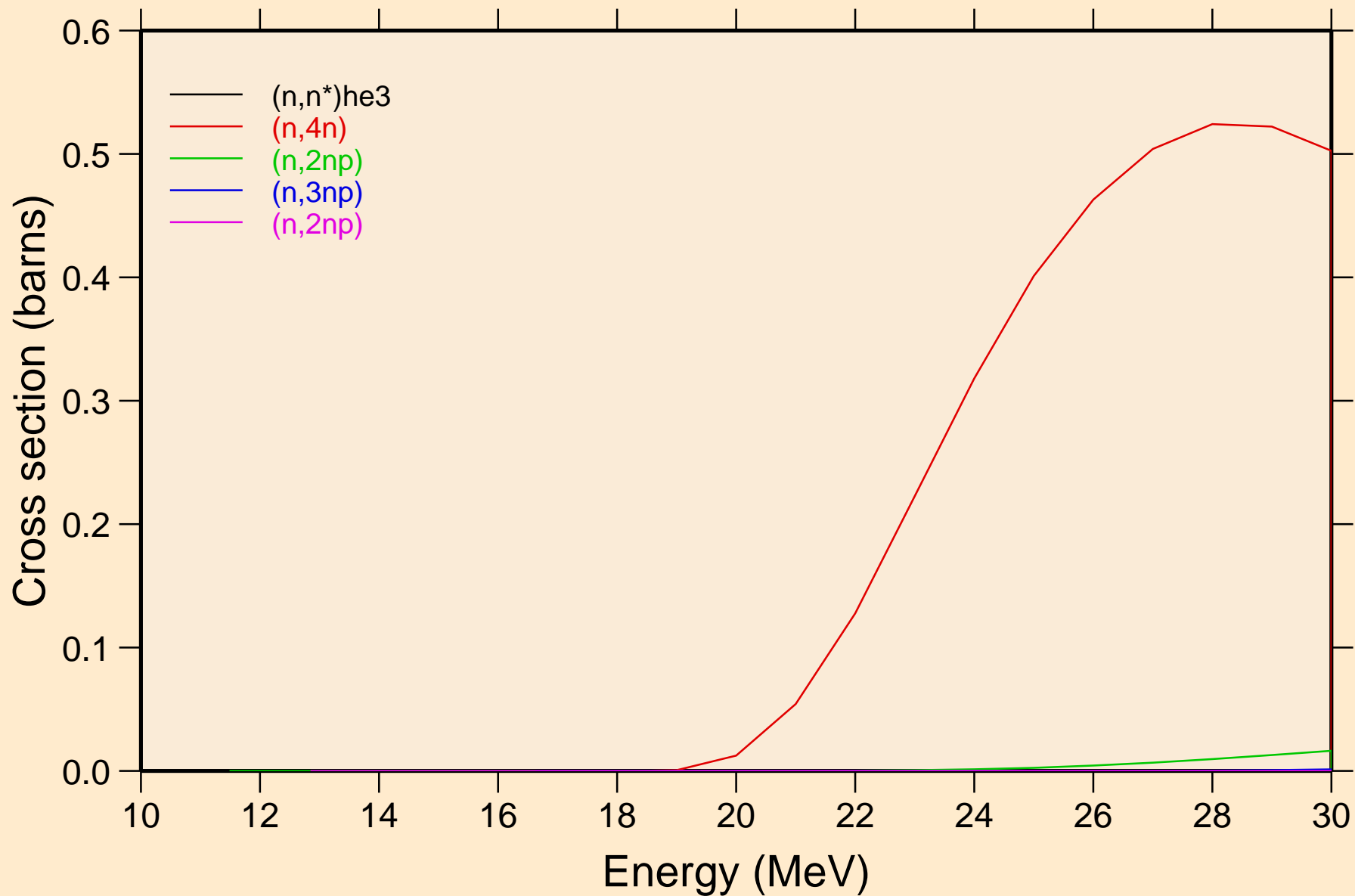
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Threshold reactions



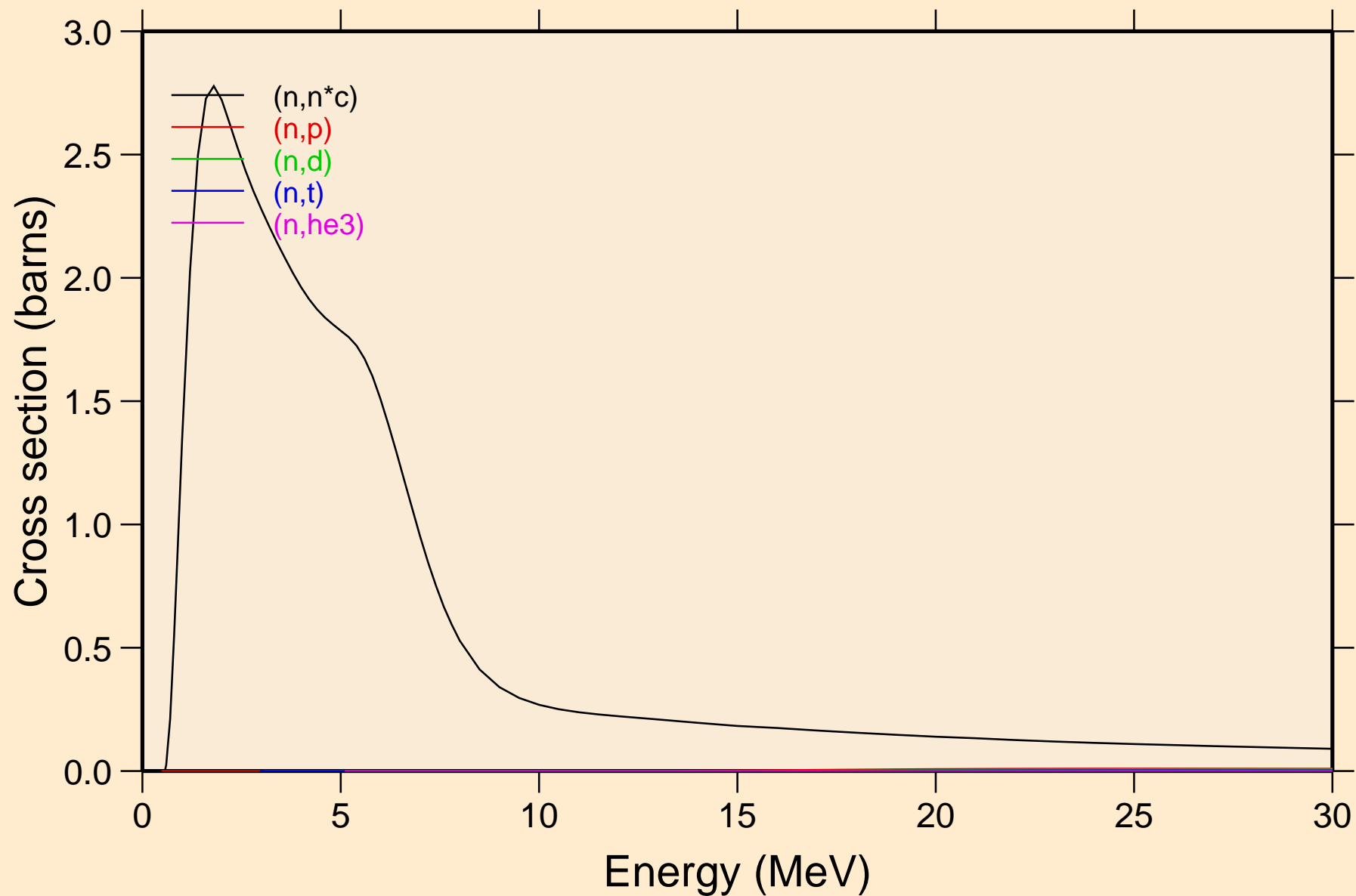
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Threshold reactions



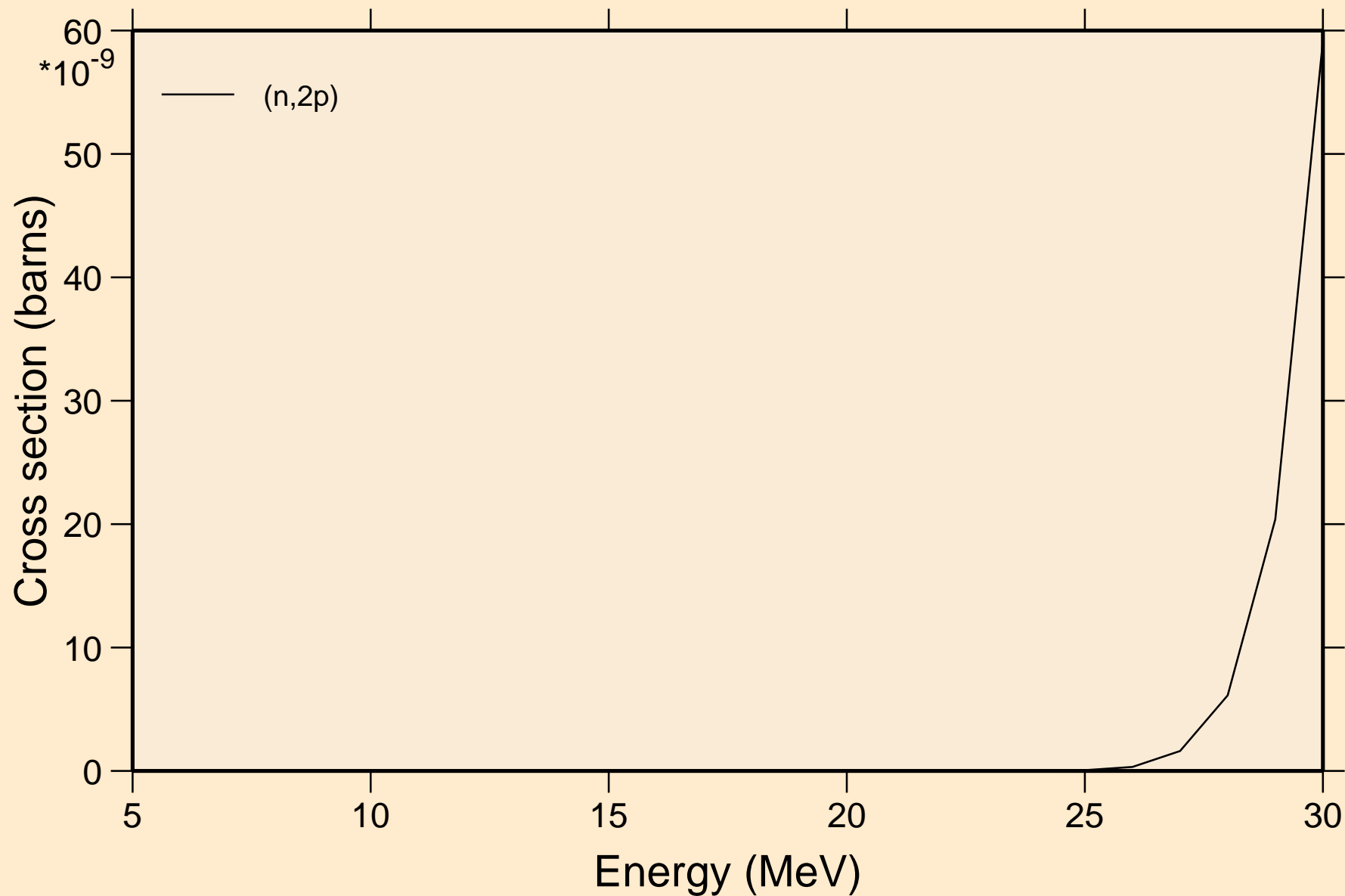
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



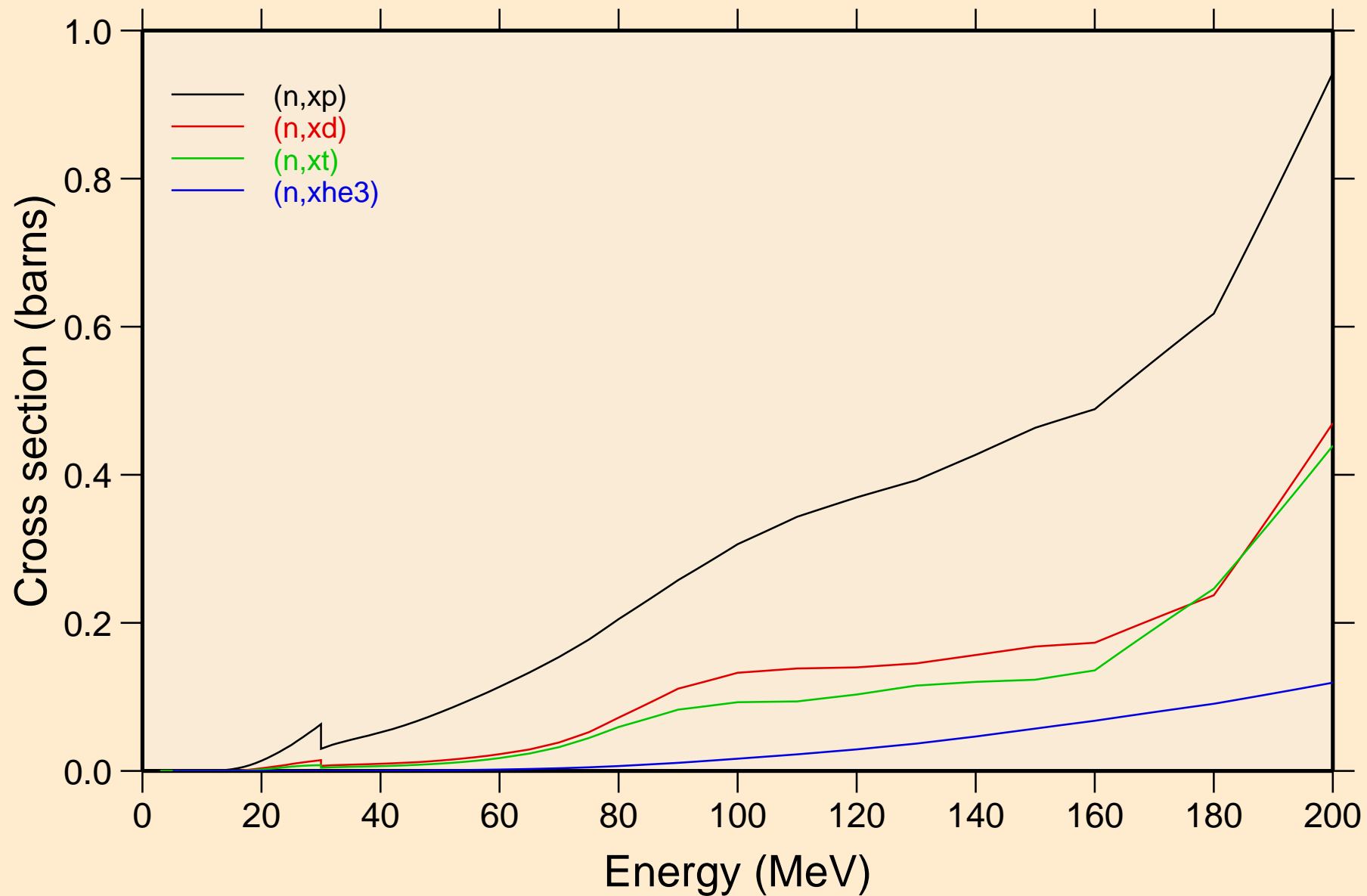
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Threshold reactions



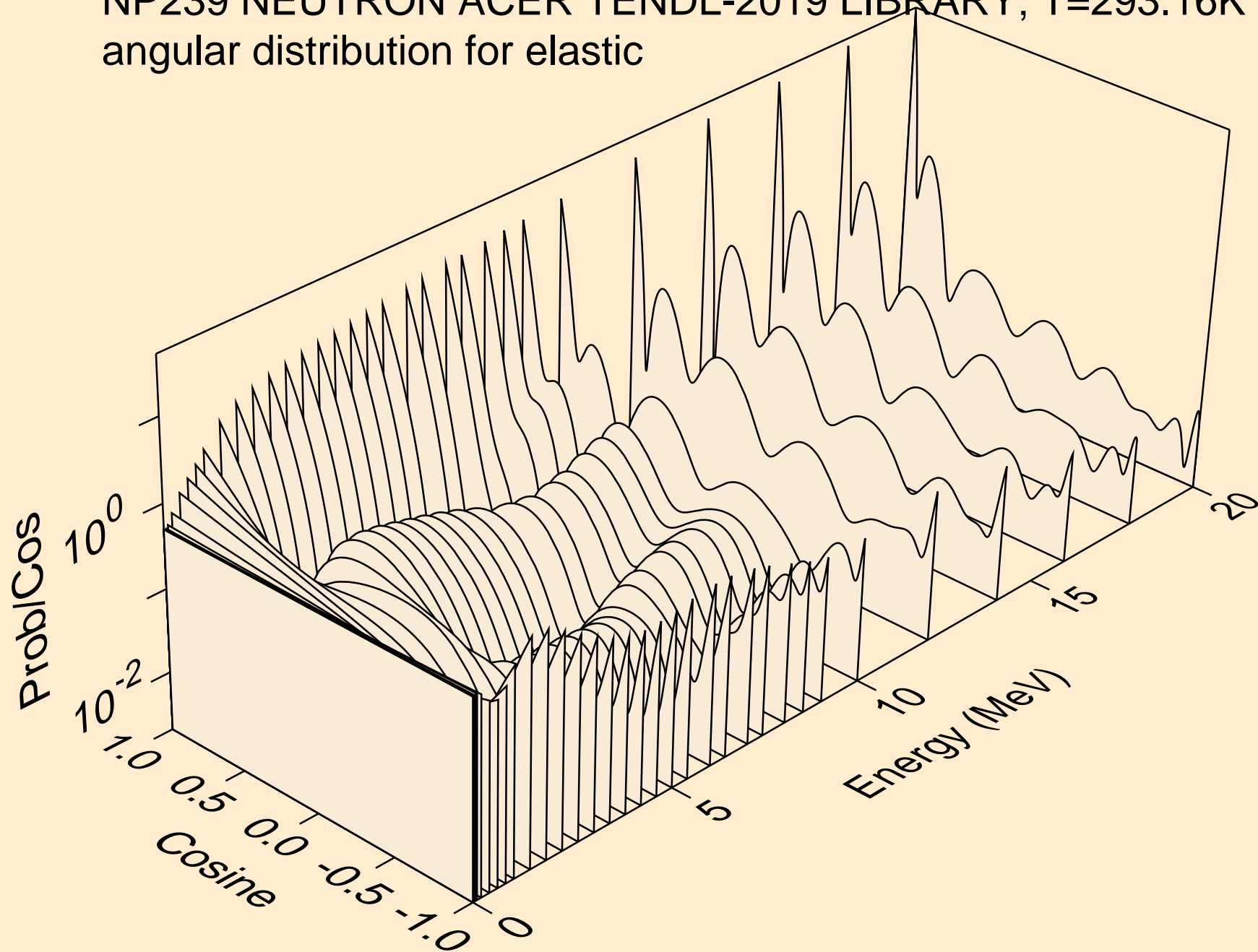
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



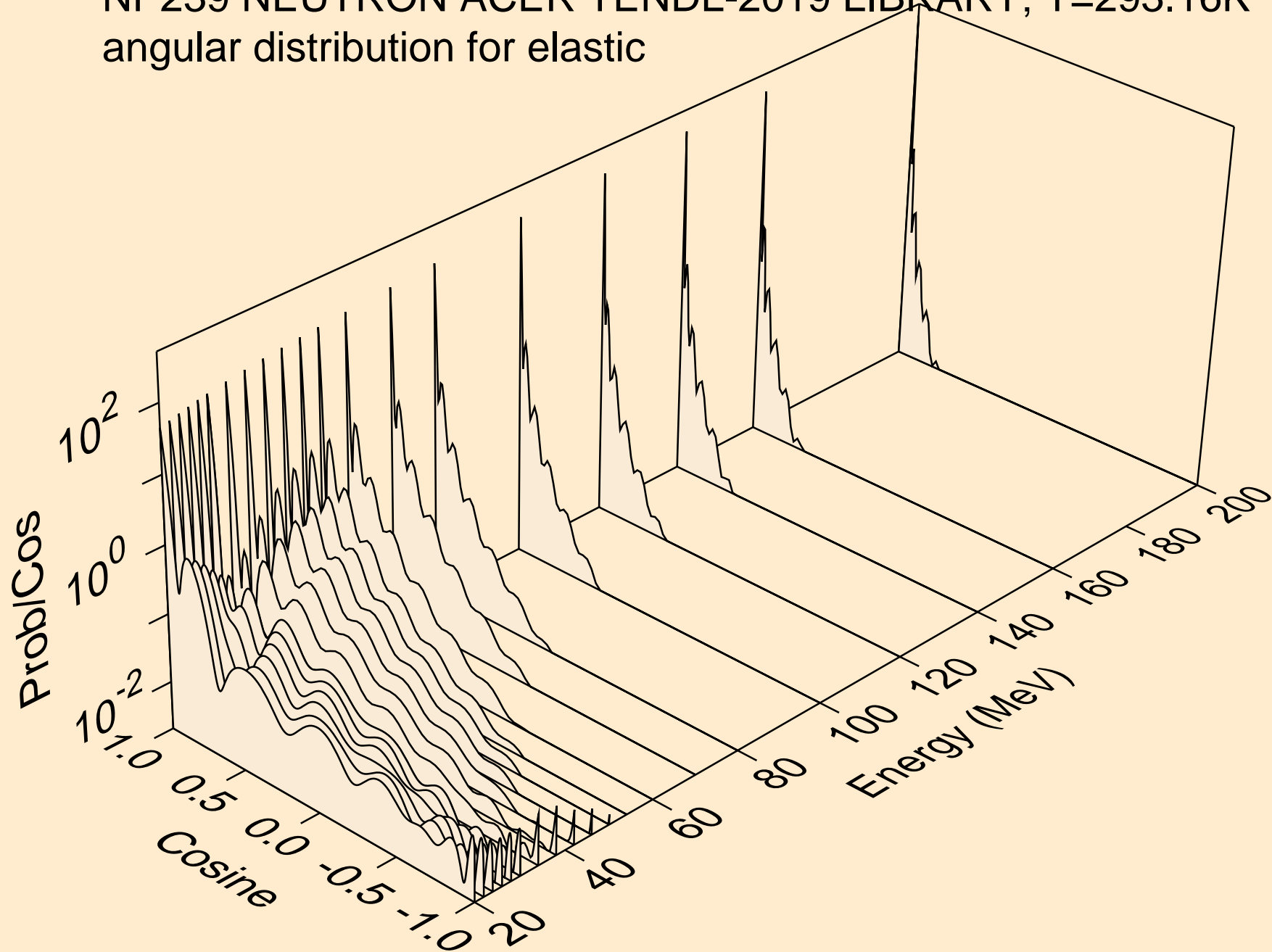
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



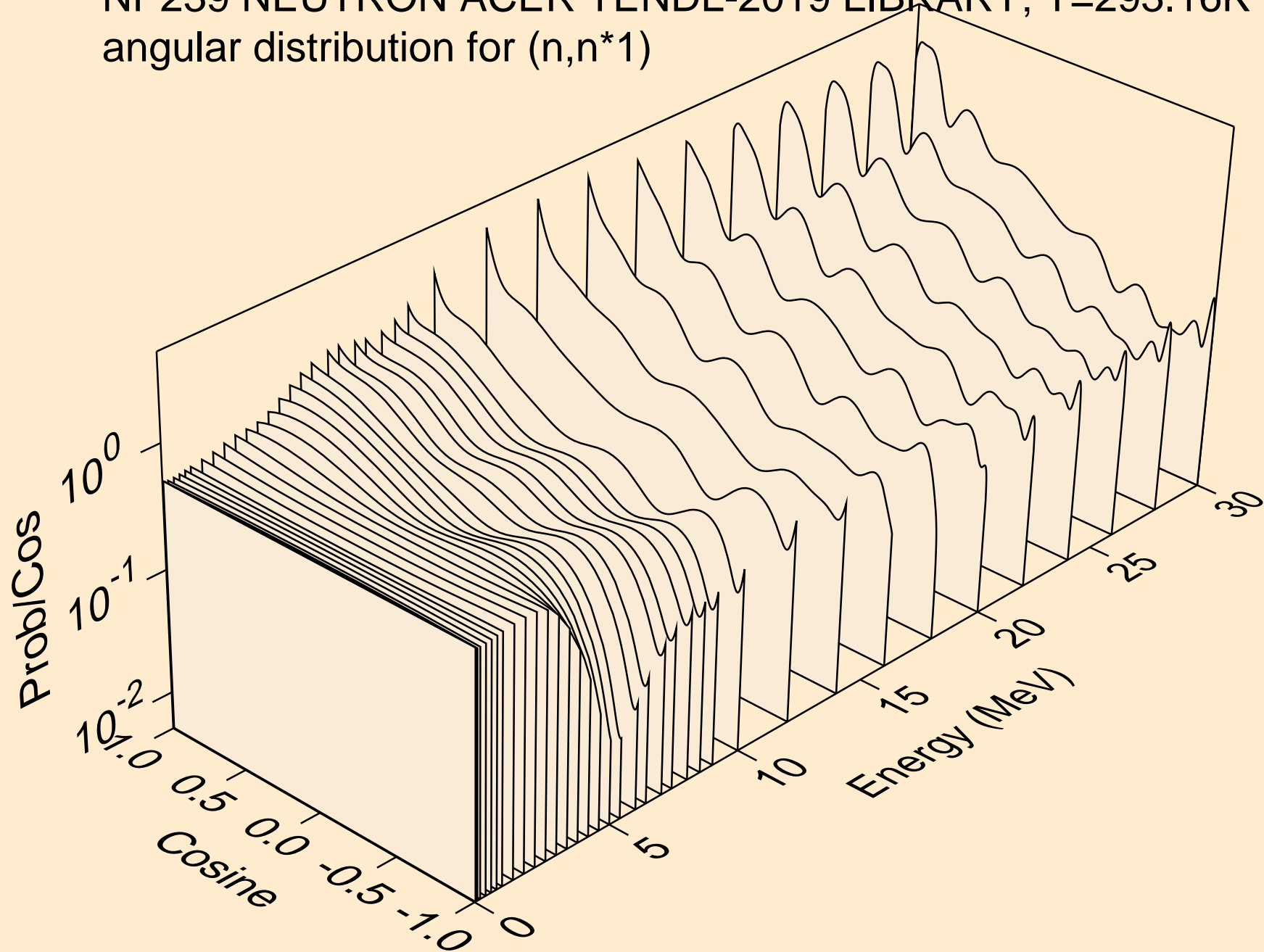
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



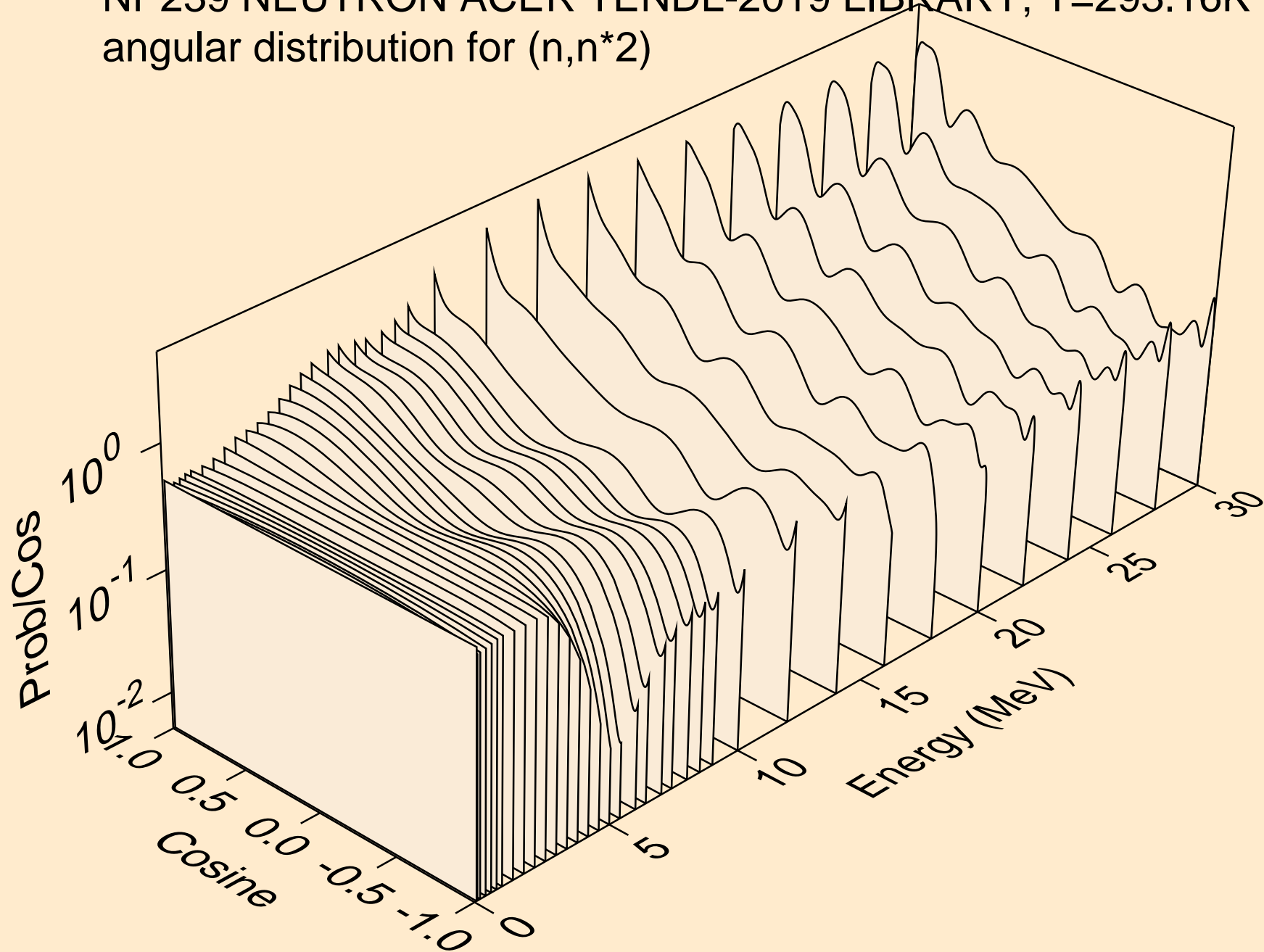
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angular distribution for elastic



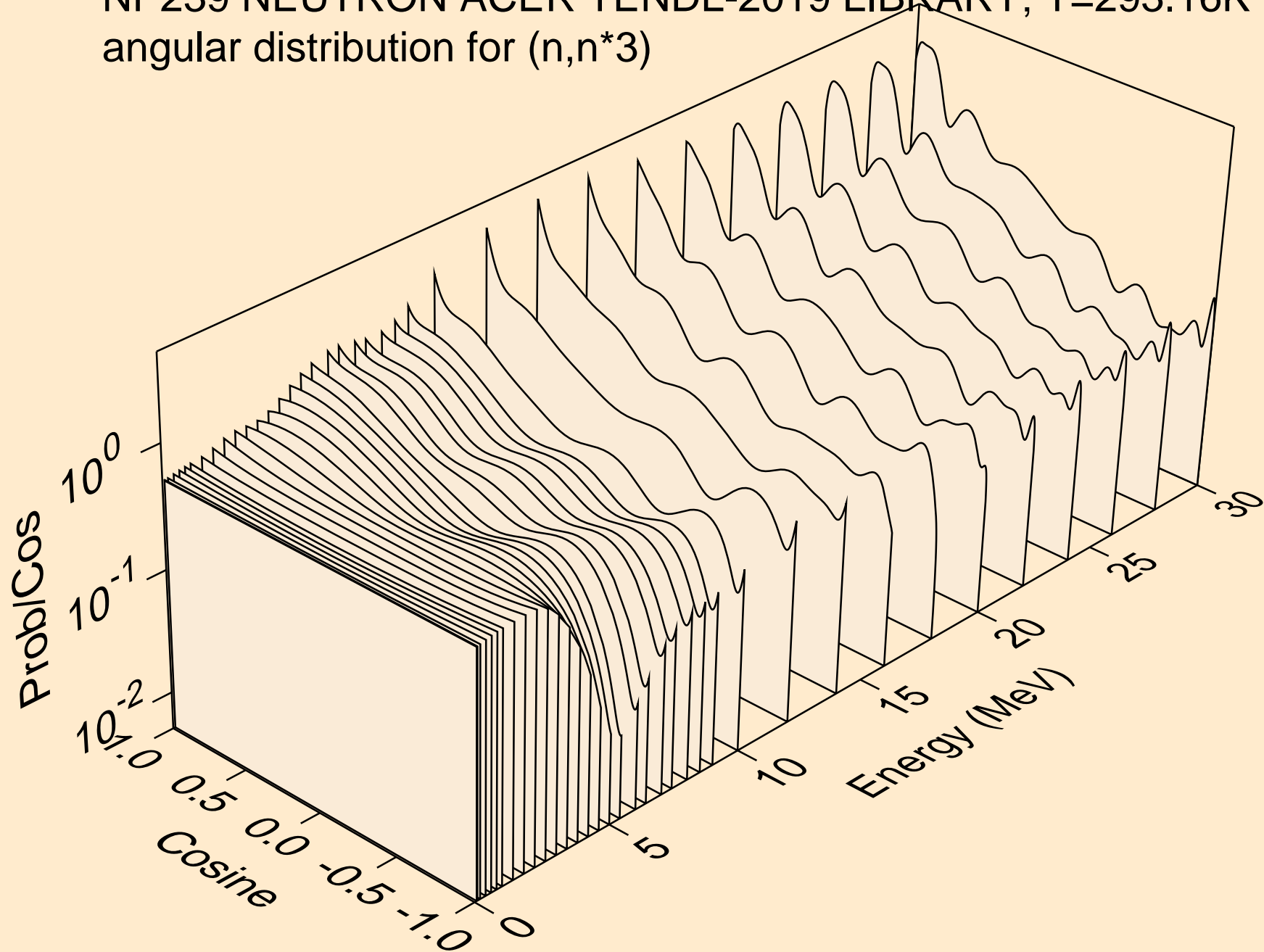
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angular distribution for (n,n*1)



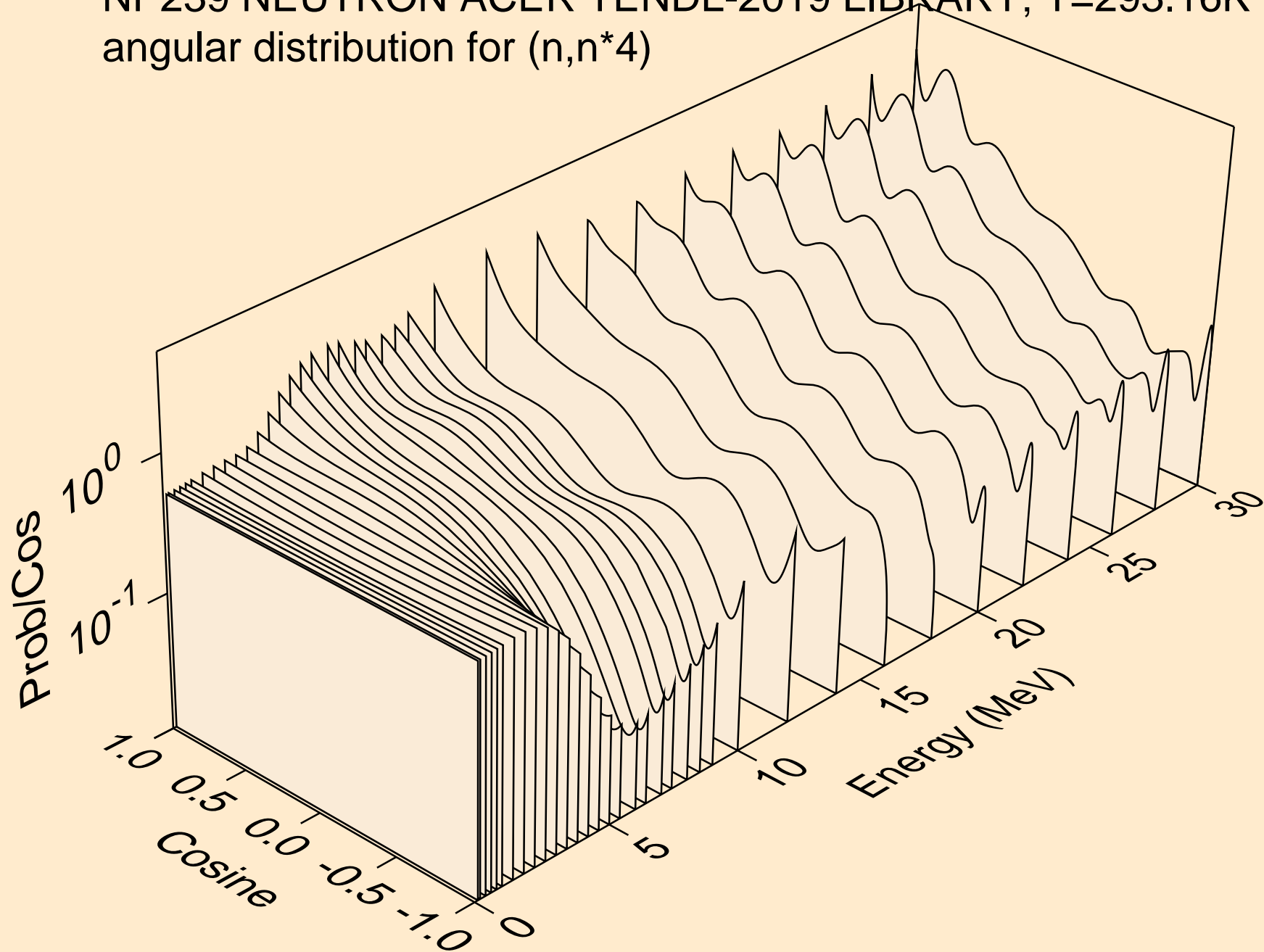
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angular distribution for (n,n*2)



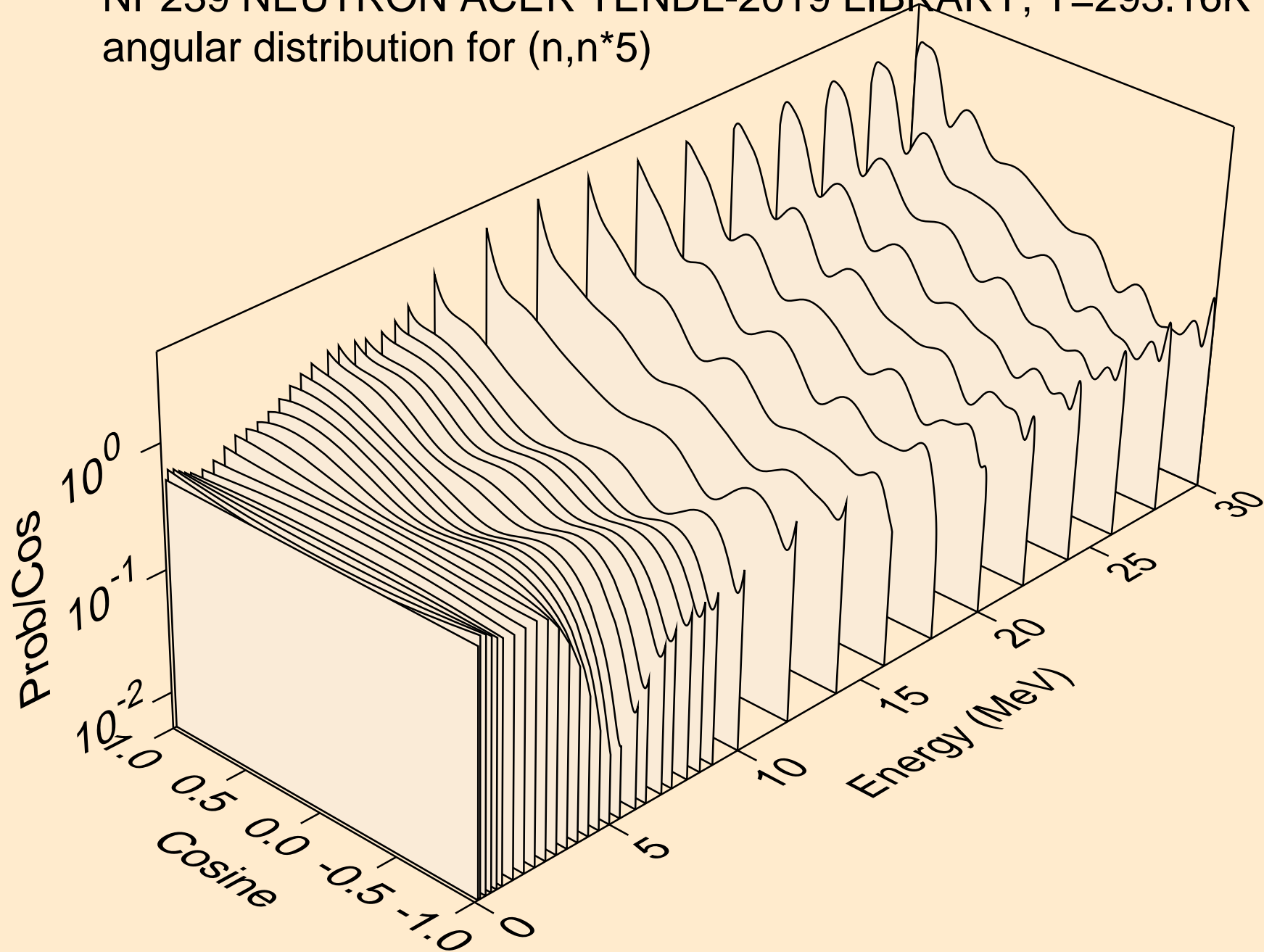
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angular distribution for (n,n*3)



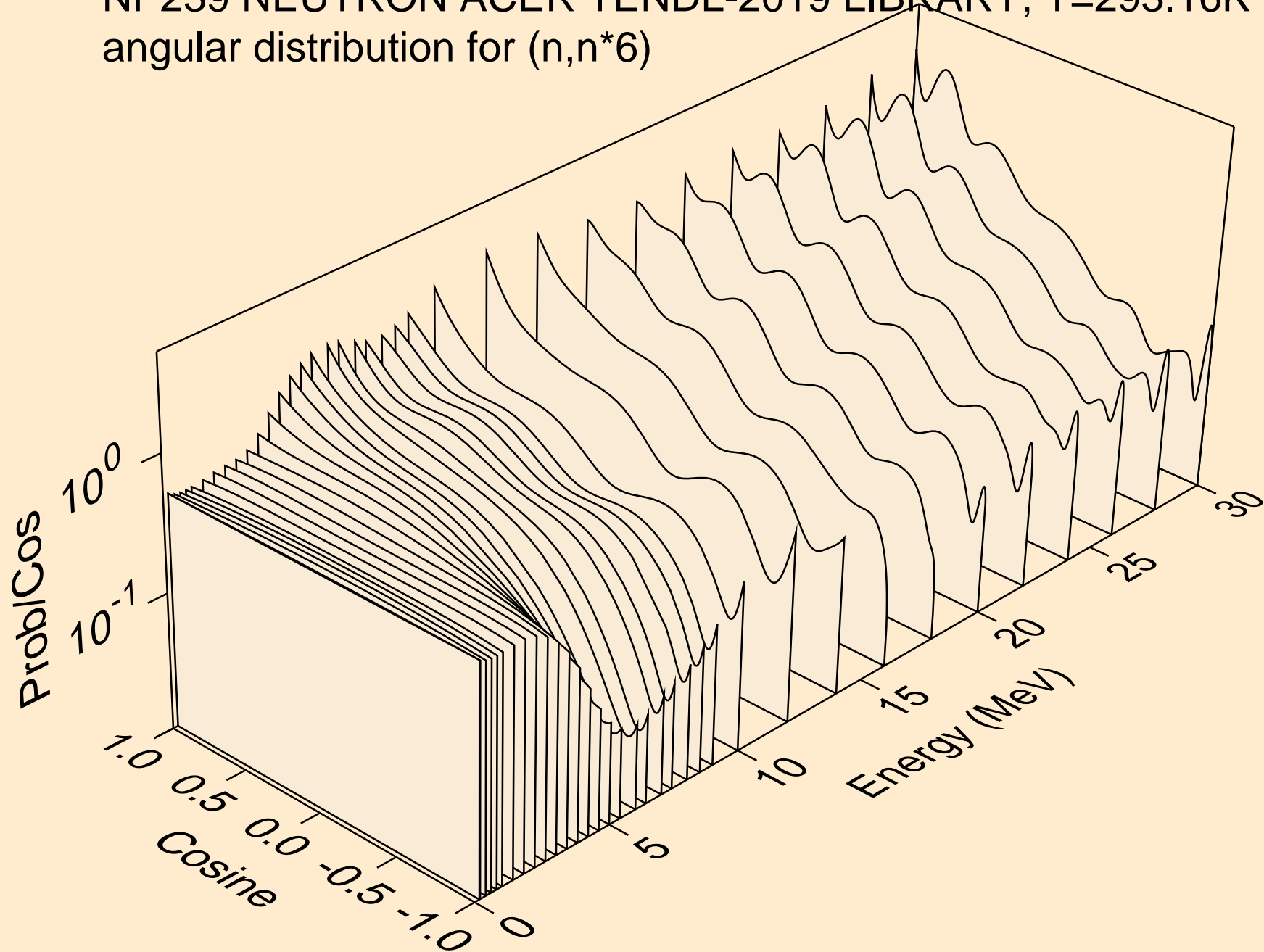
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angular distribution for (n,n*4)



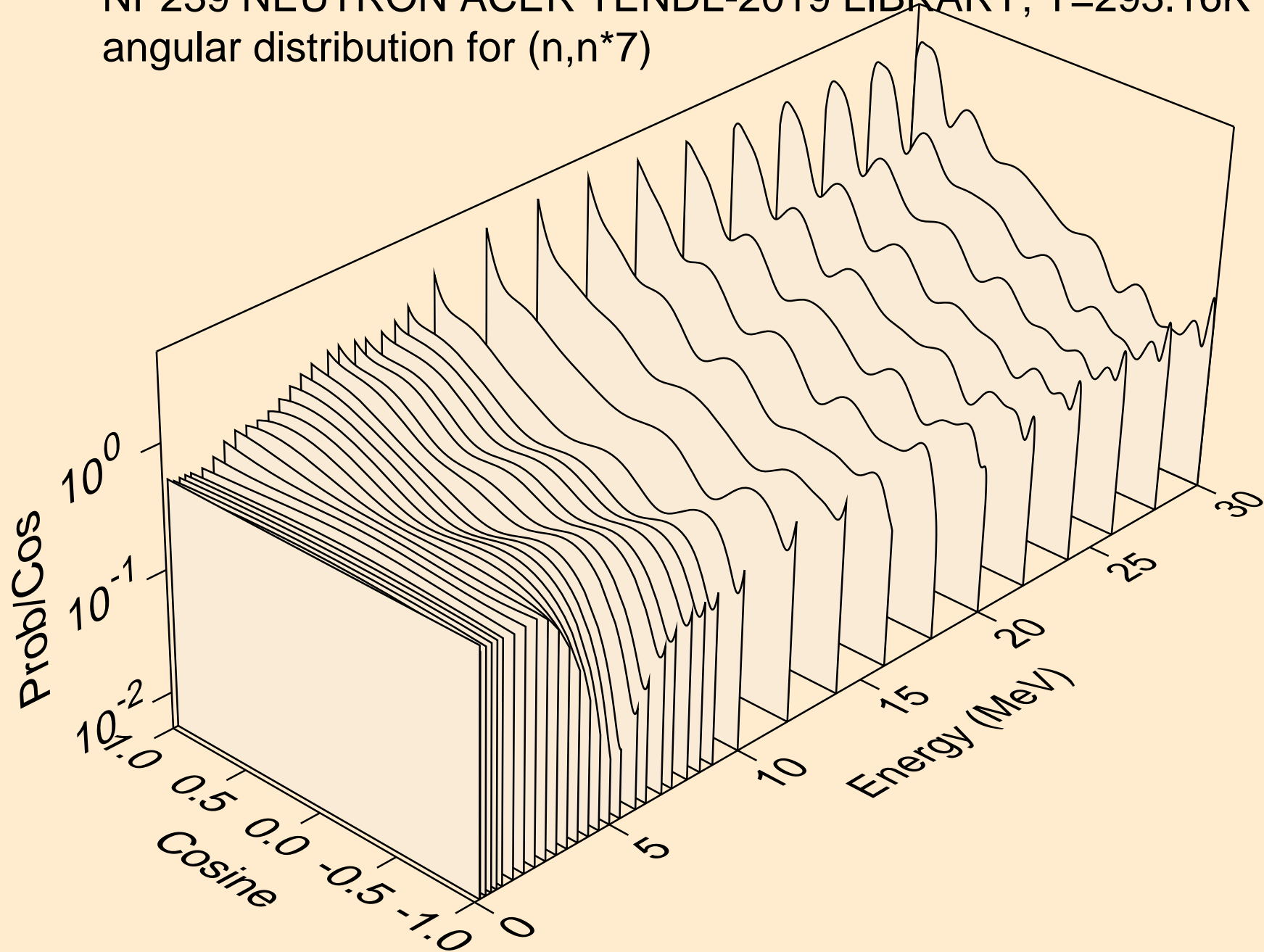
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angular distribution for (n,n*5)



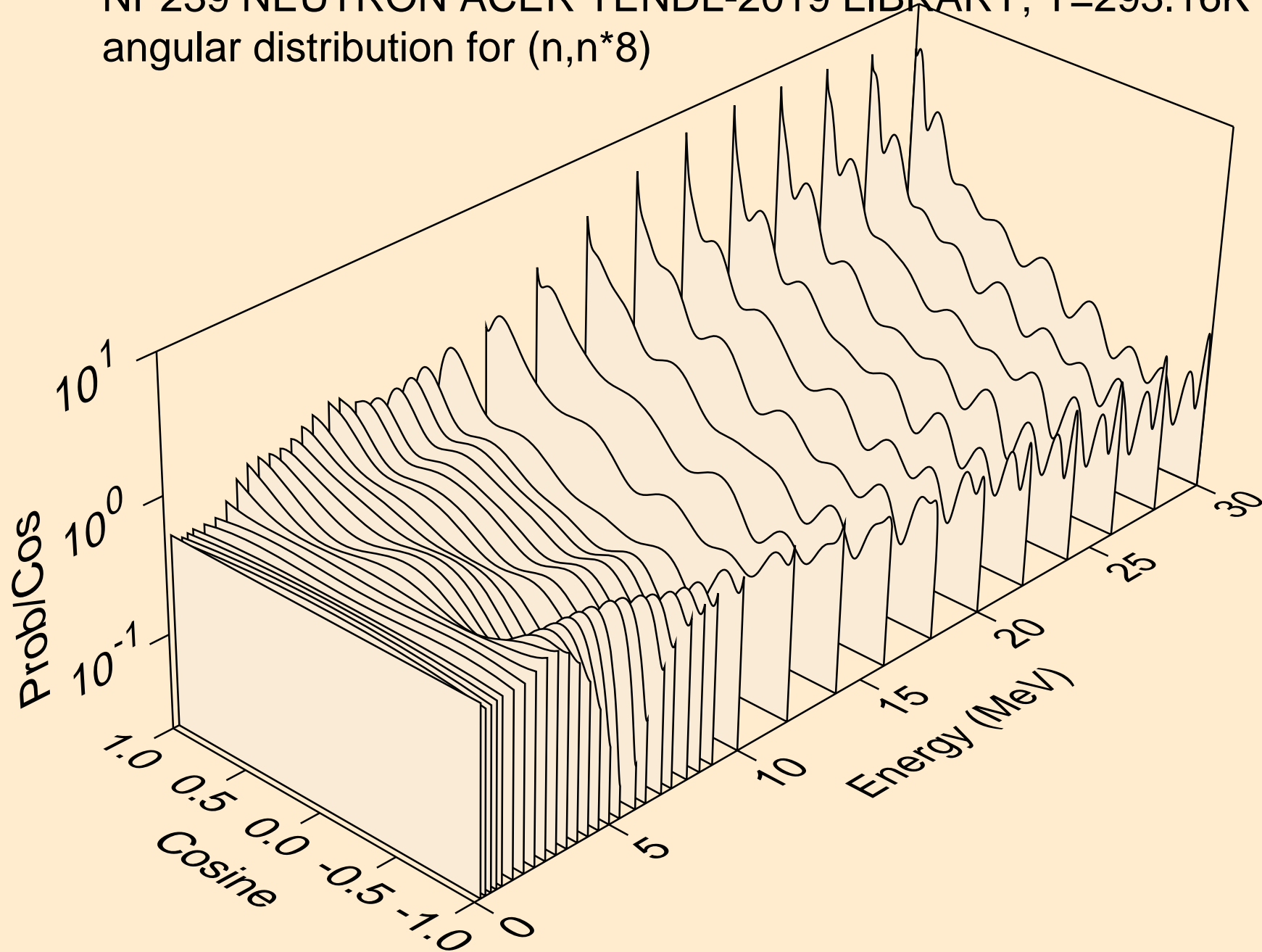
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



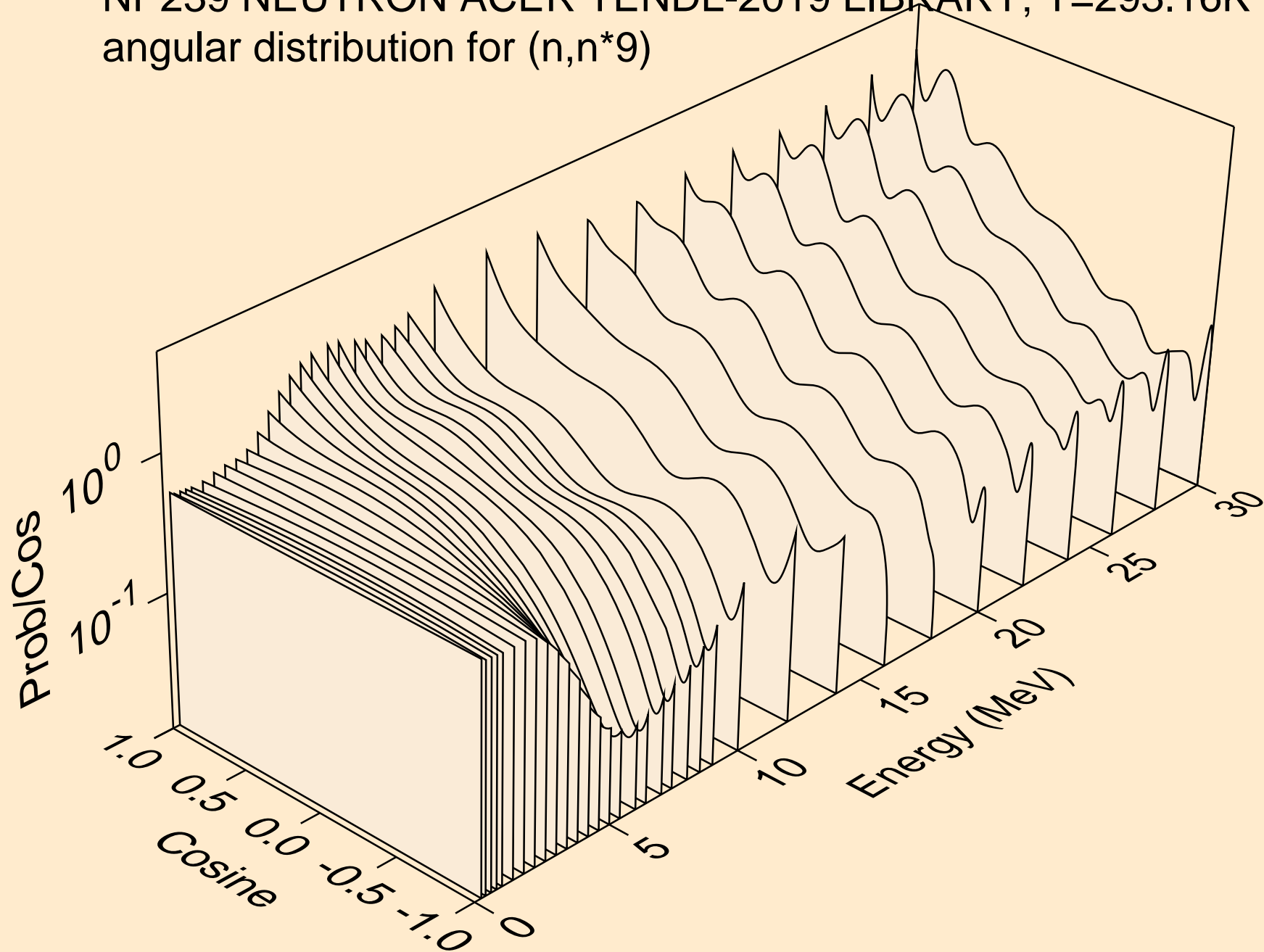
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angular distribution for (n,n*7)



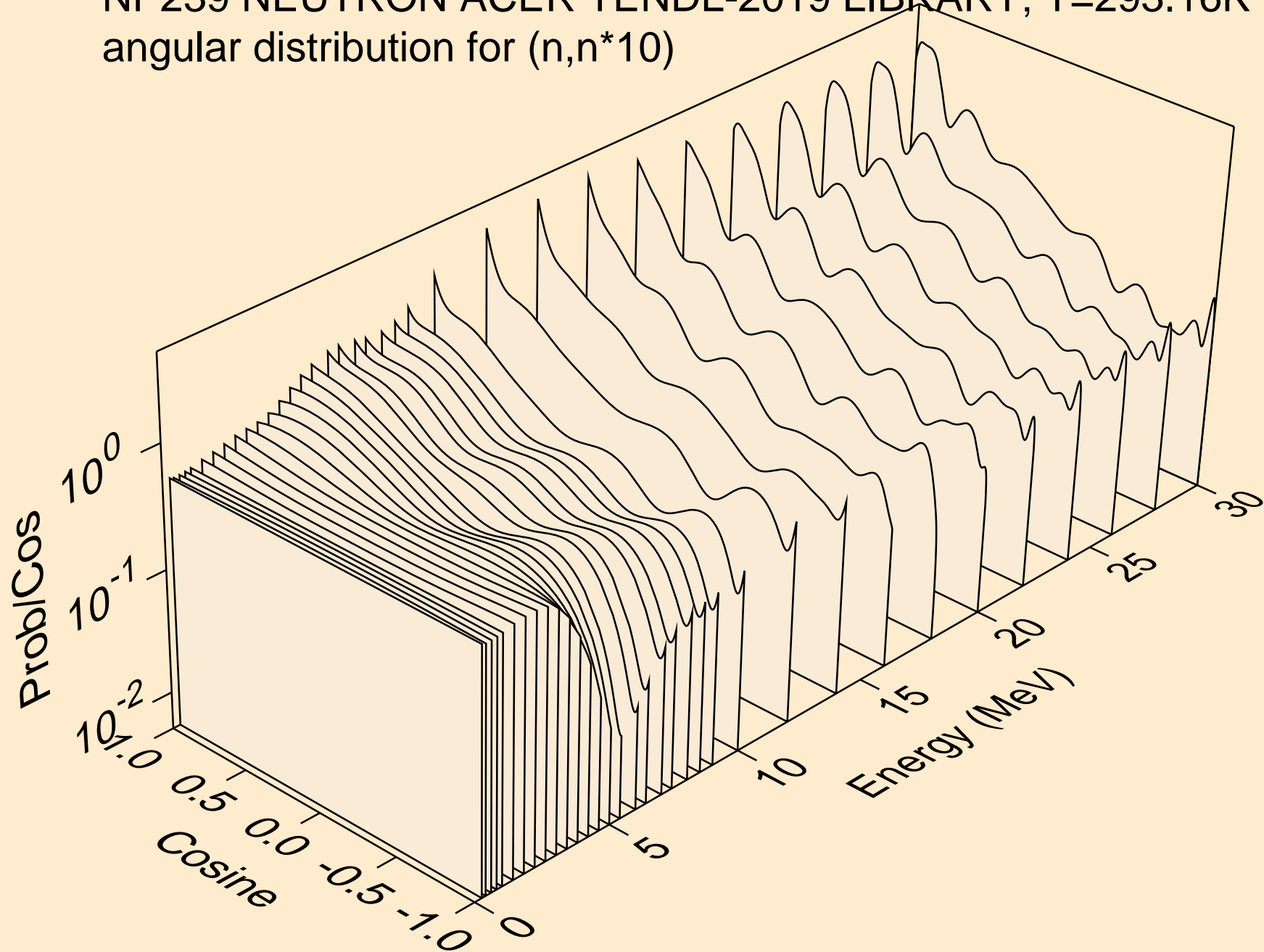
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angular distribution for (n,n*8)



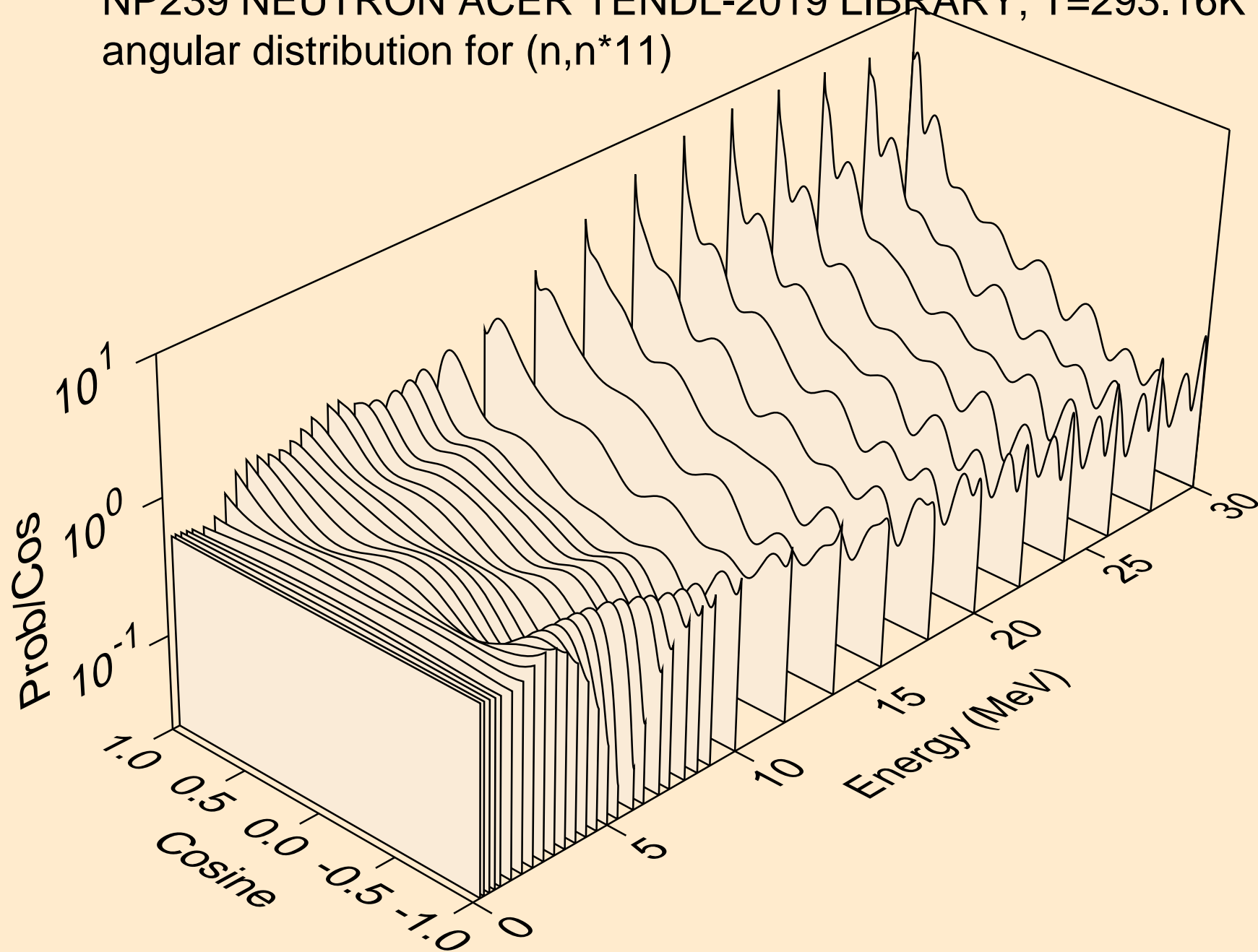
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angular distribution for (n,n*9)



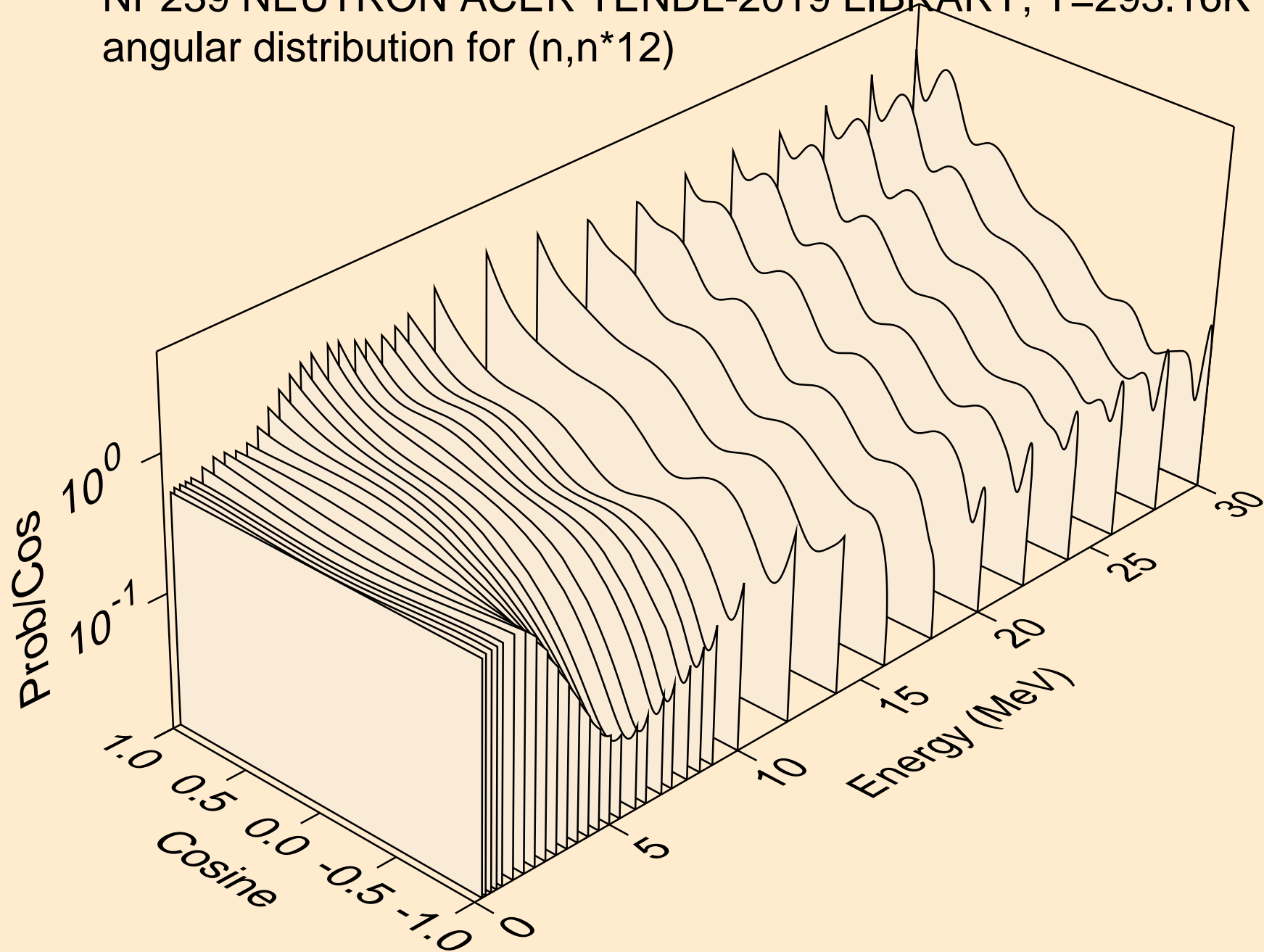
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angular distribution for (n,n*10)



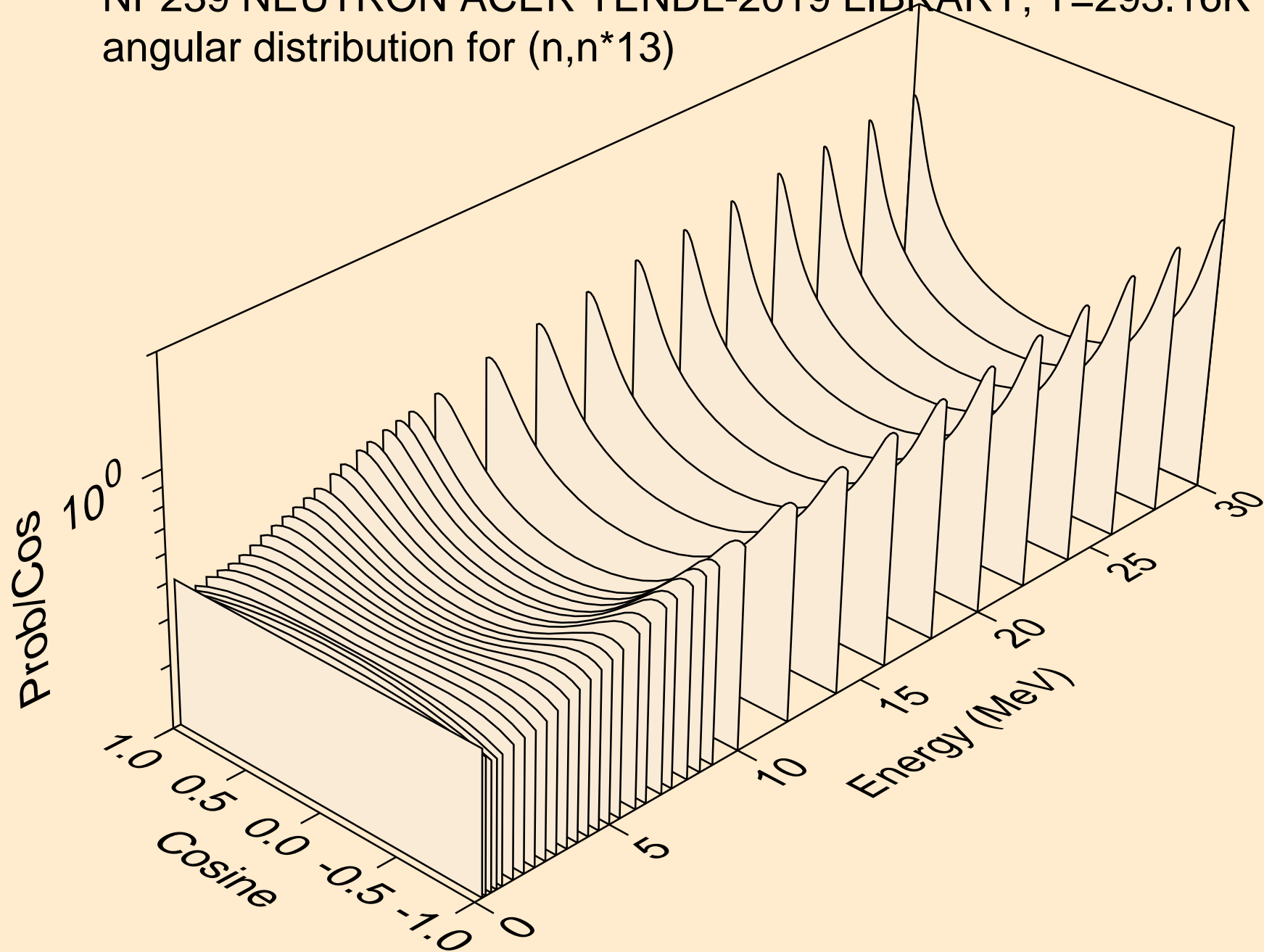
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angular distribution for (n,n*11)



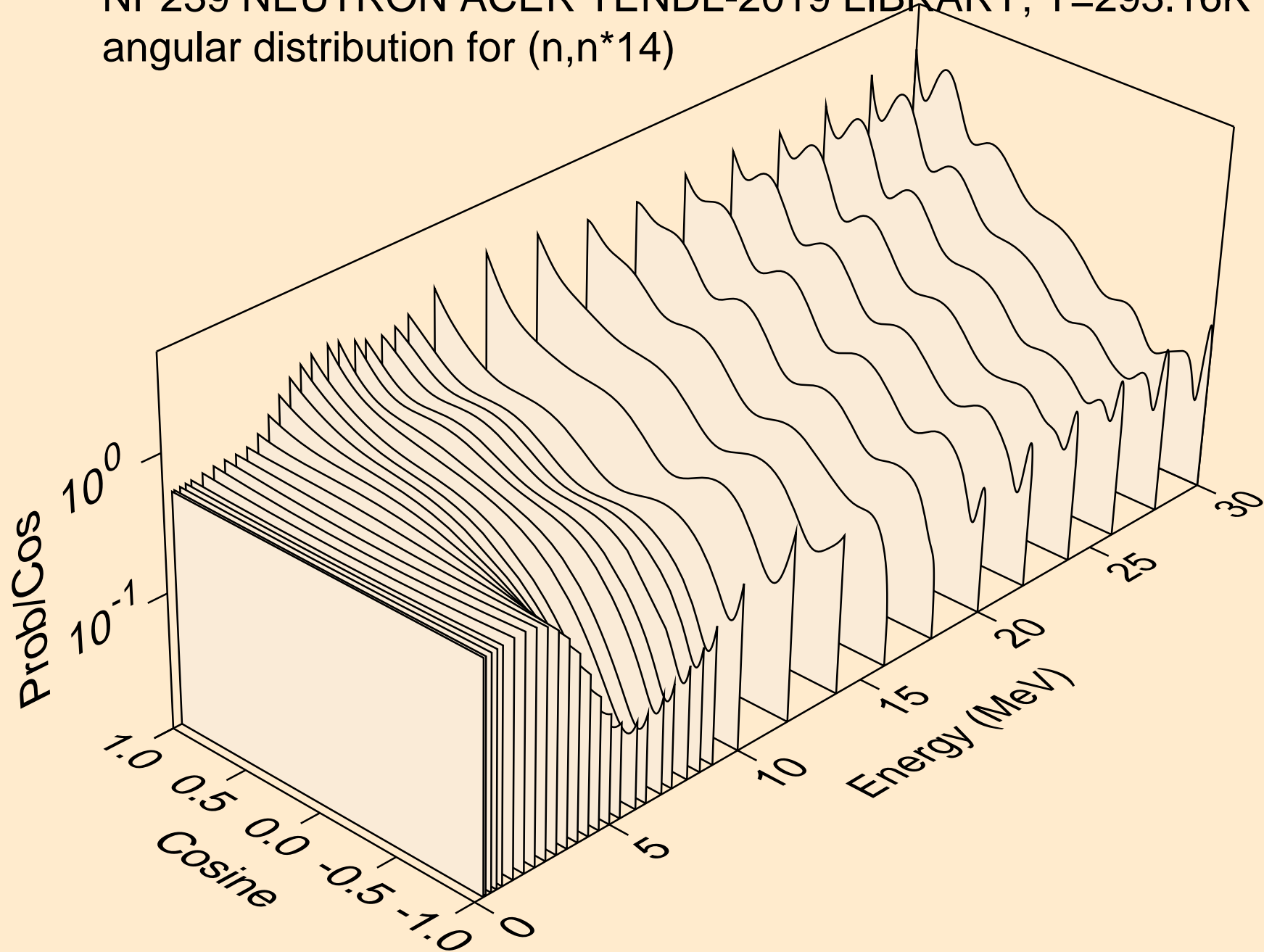
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angular distribution for (n,n*12)



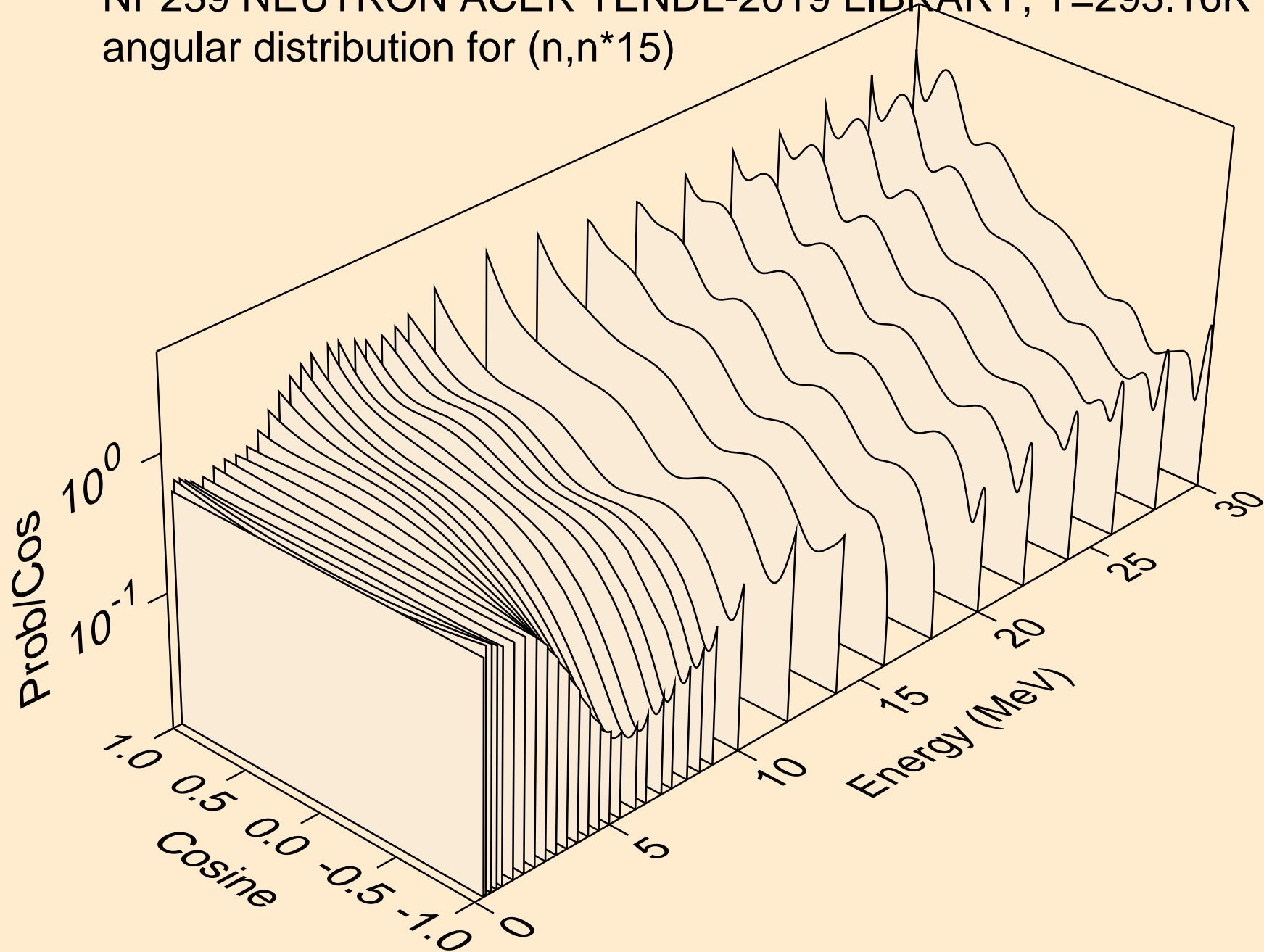
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angular distribution for (n,n*13)



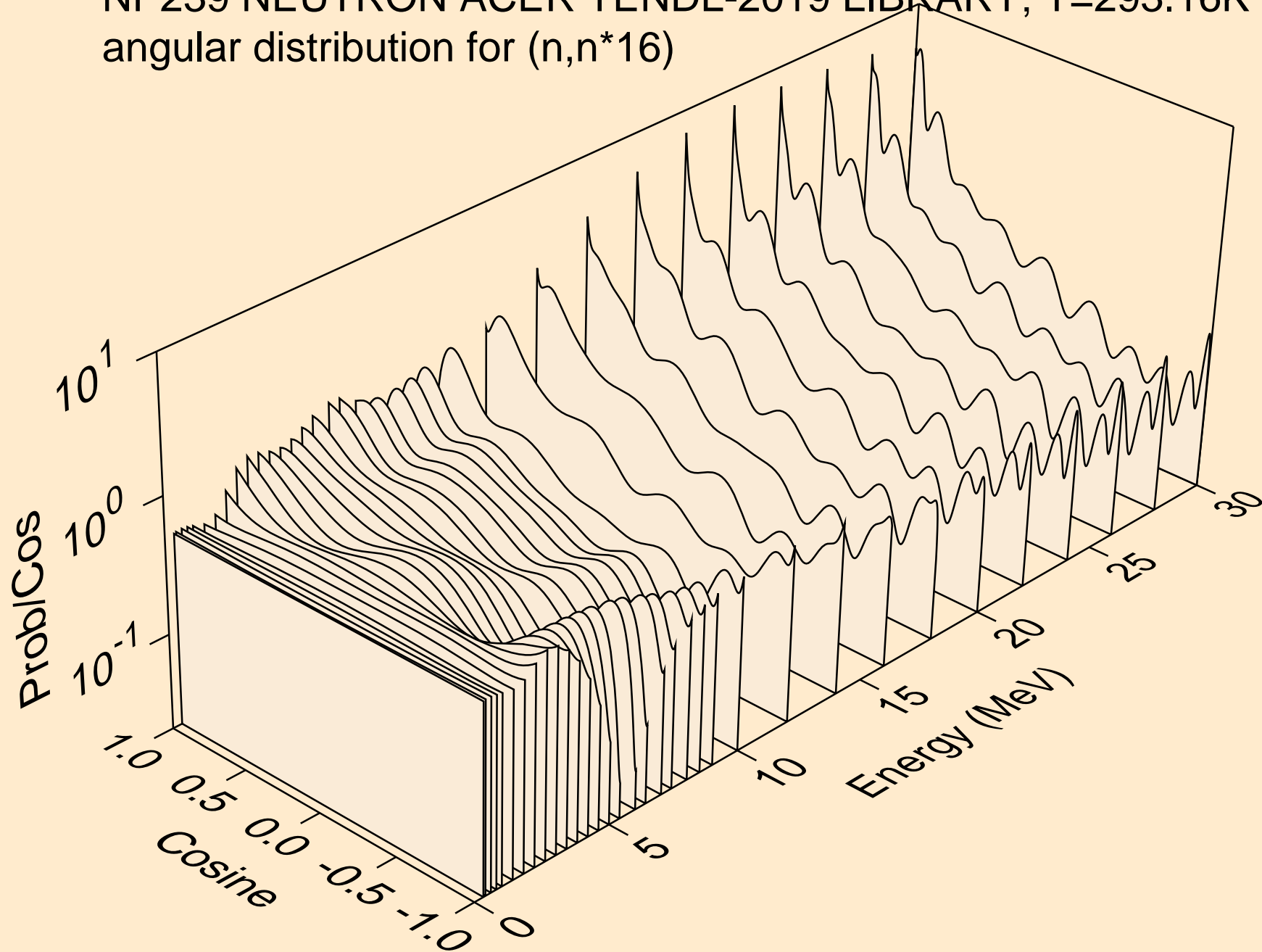
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



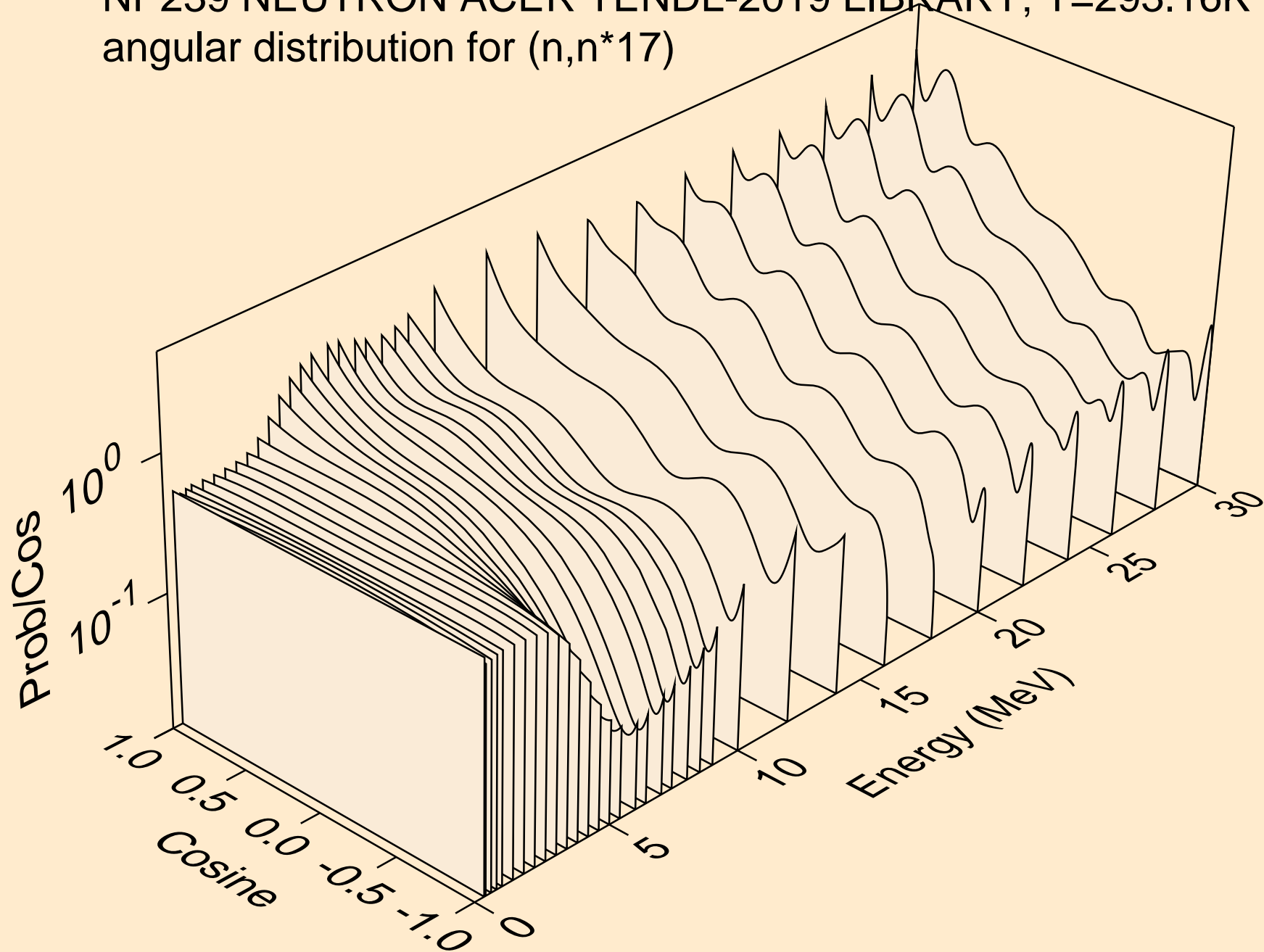
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angular distribution for (n,n*15)



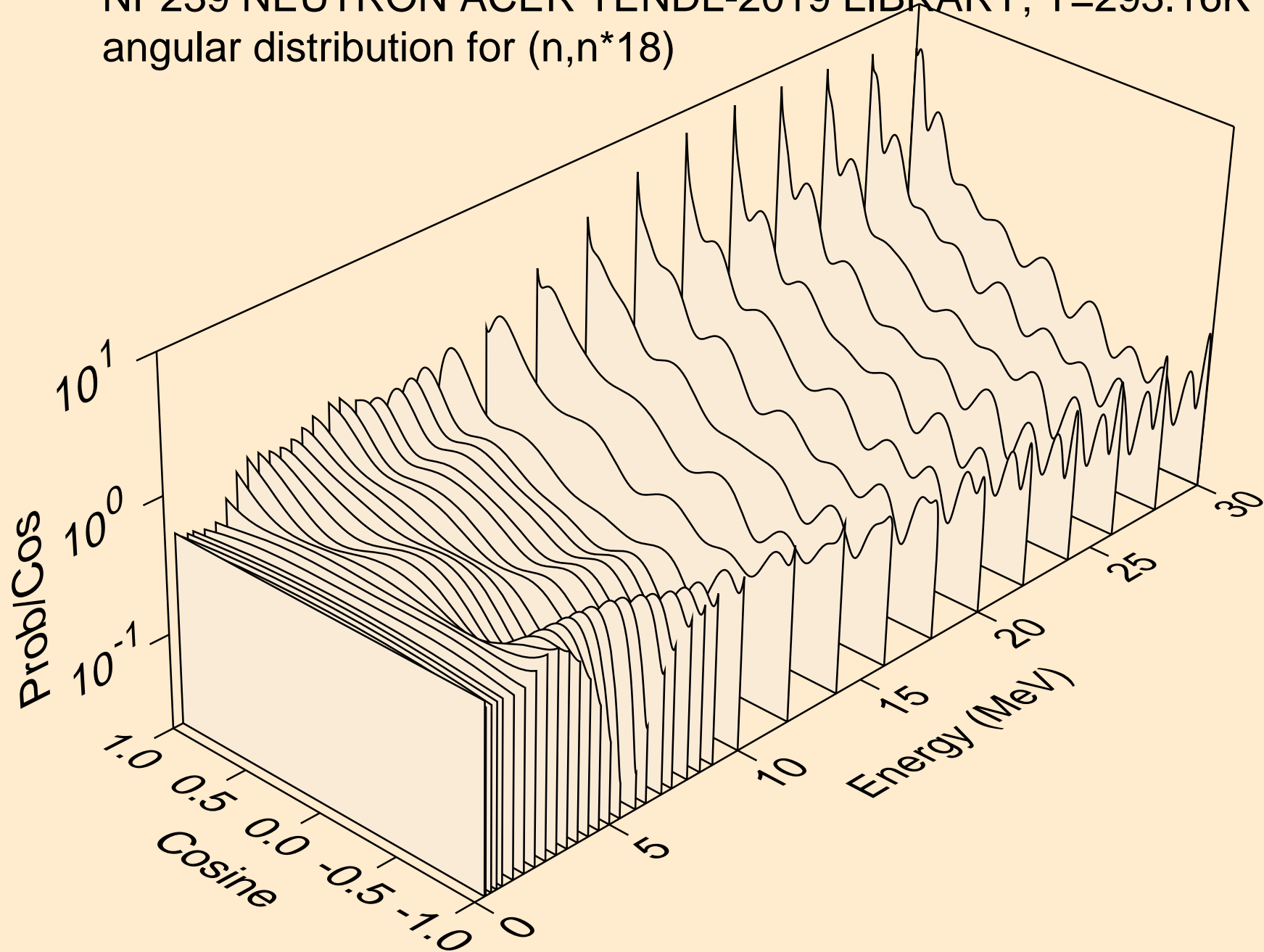
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angular distribution for (n,n*16)



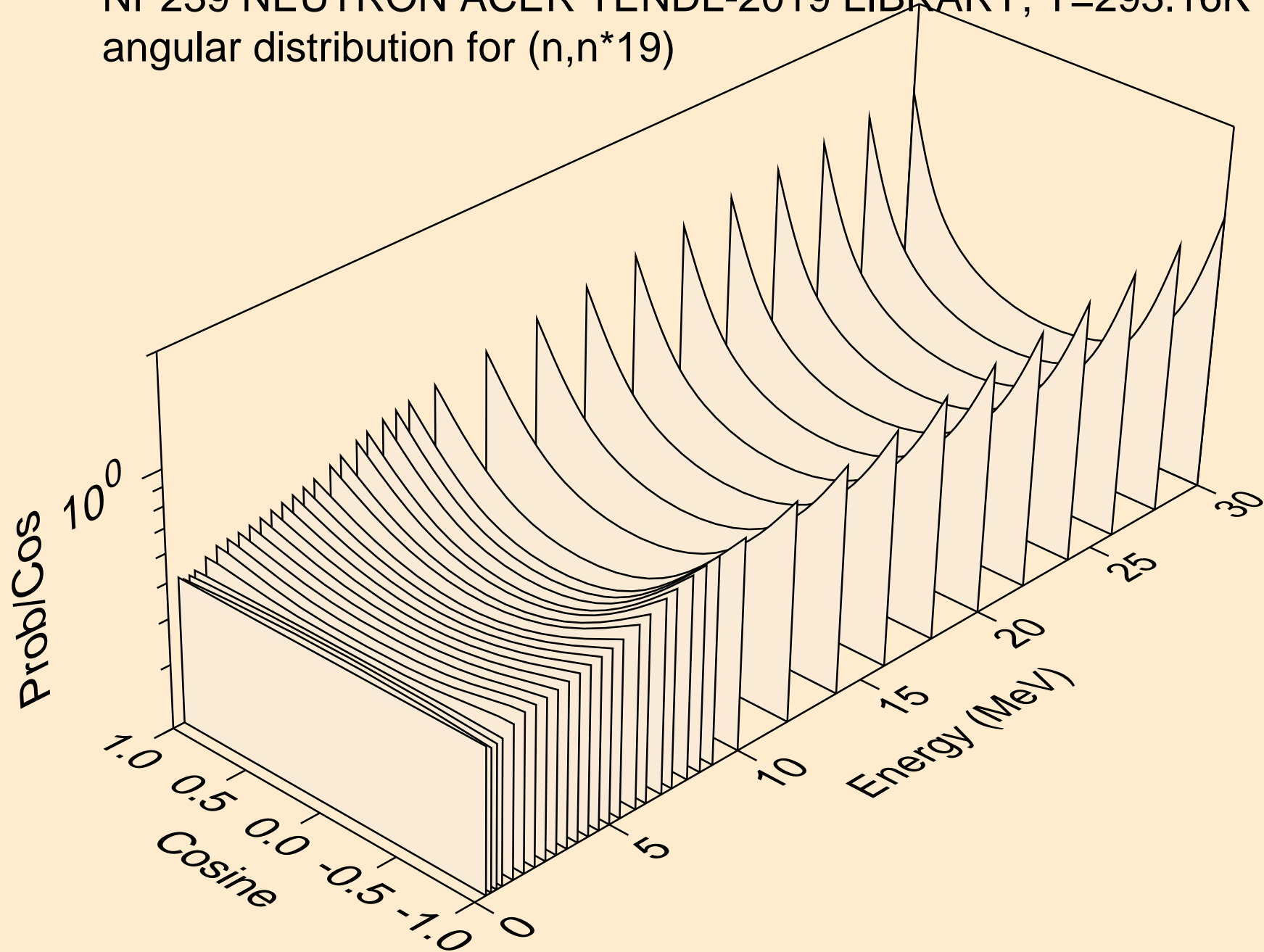
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angular distribution for (n,n*17)



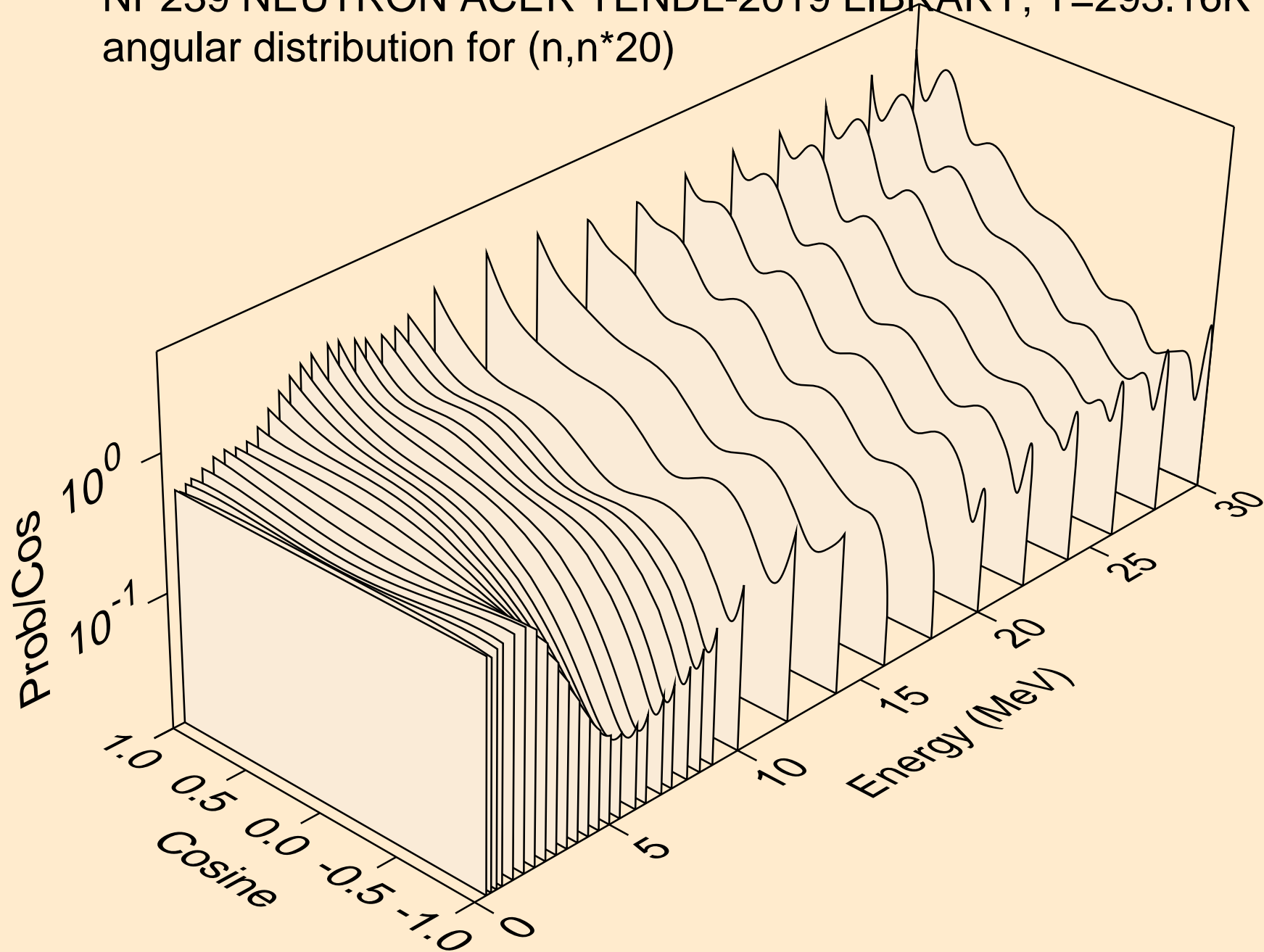
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angular distribution for (n,n*18)



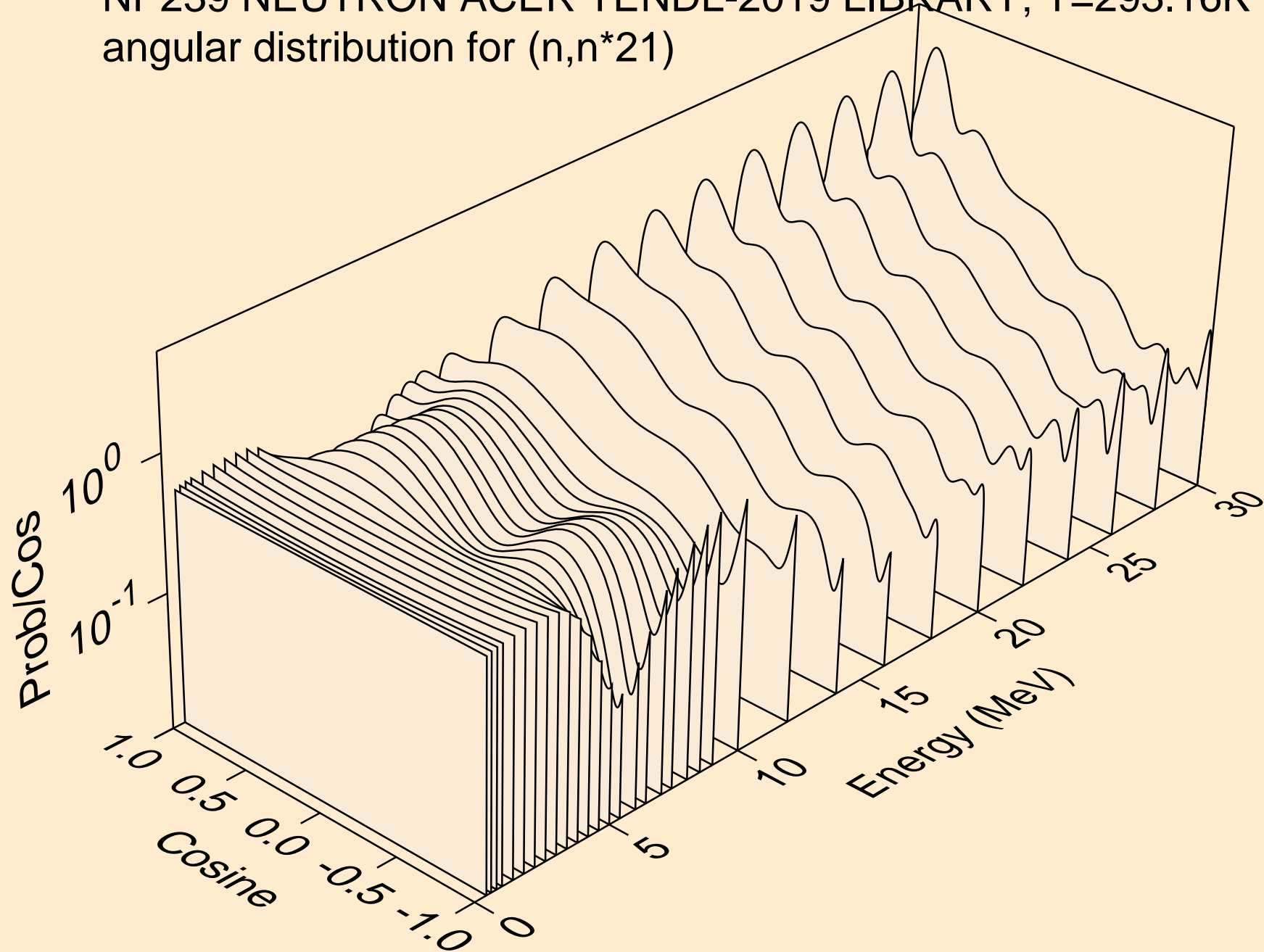
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angular distribution for (n,n*19)



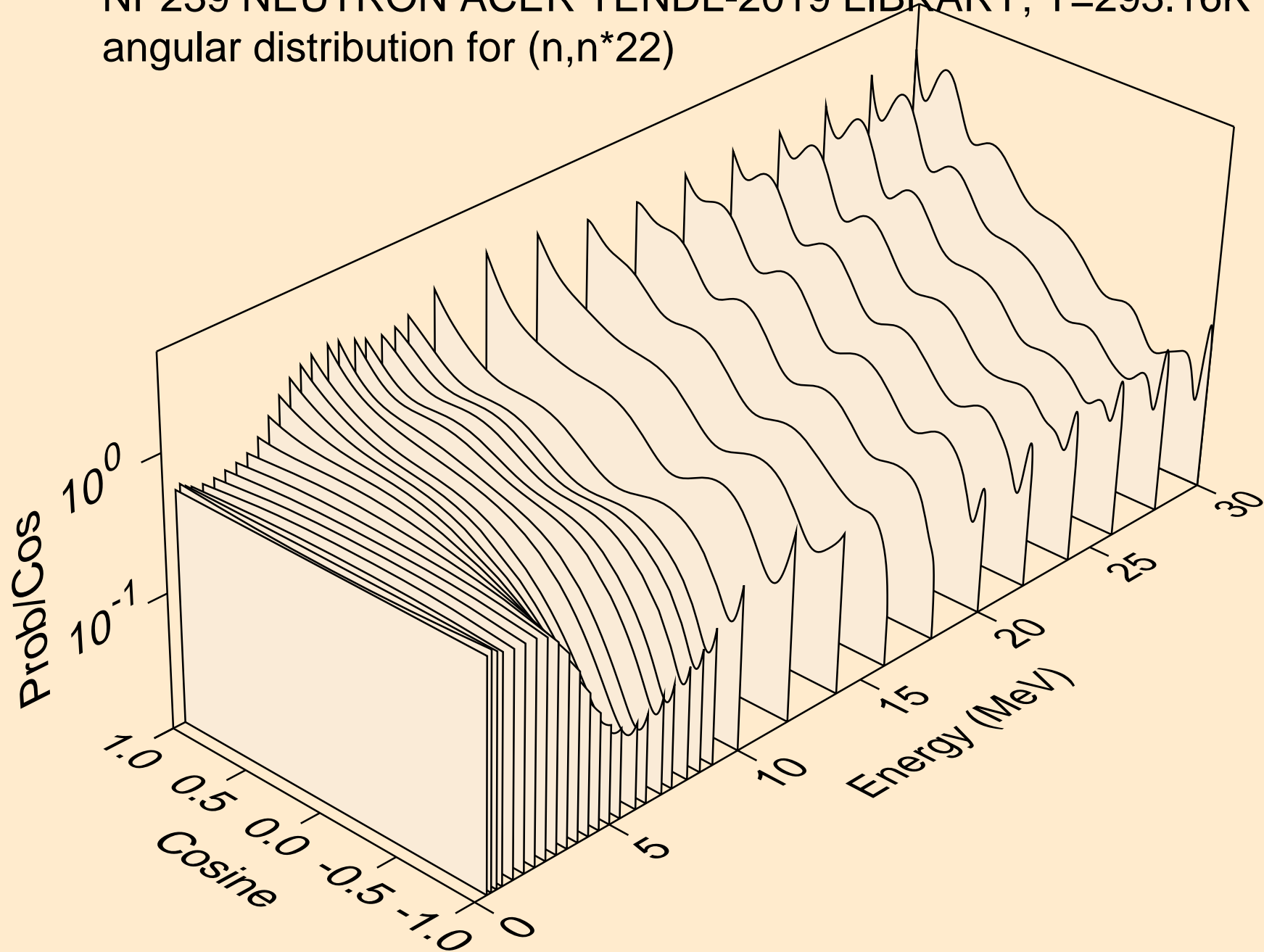
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angular distribution for (n,n*20)



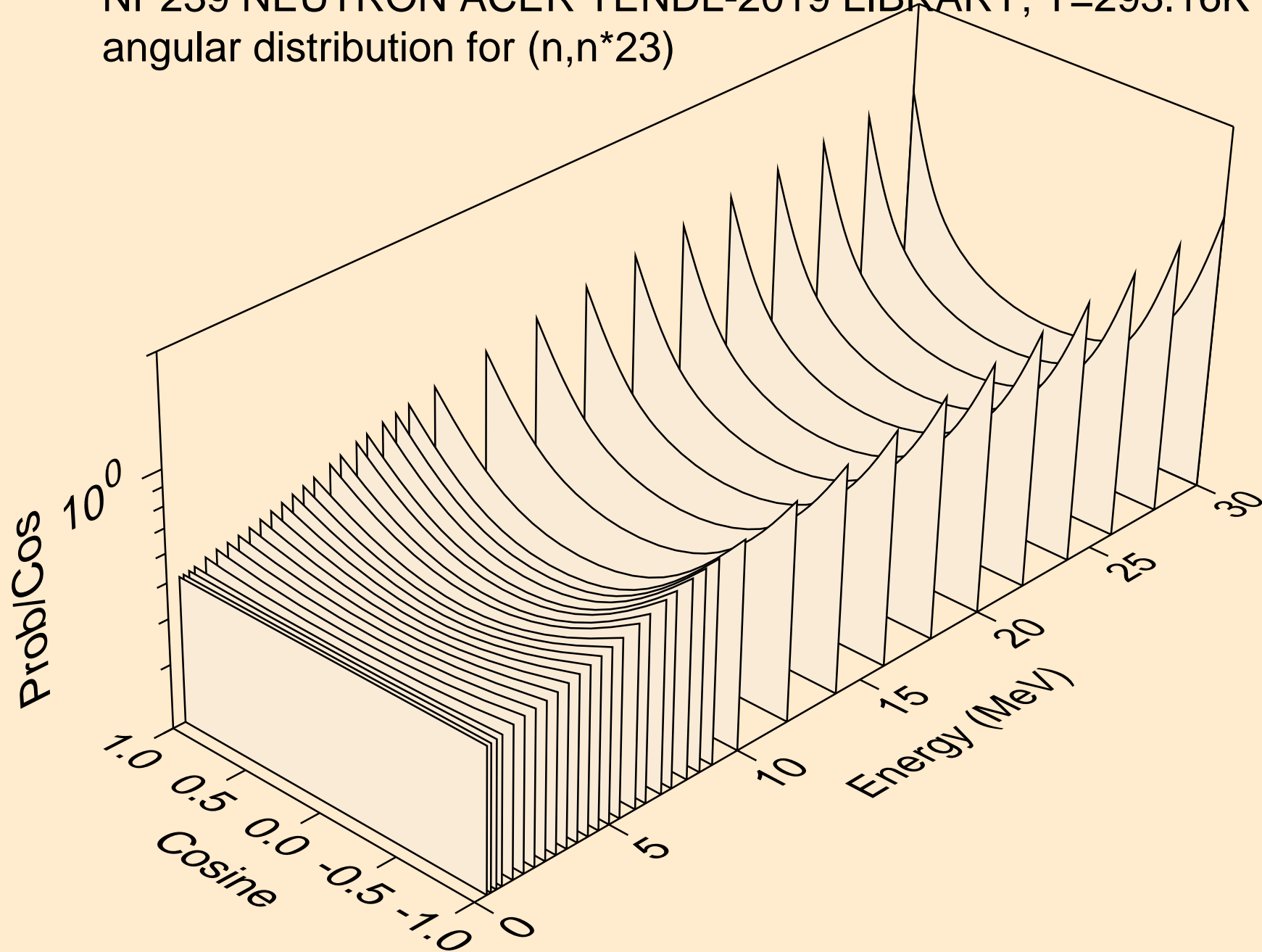
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angular distribution for (n,n*21)



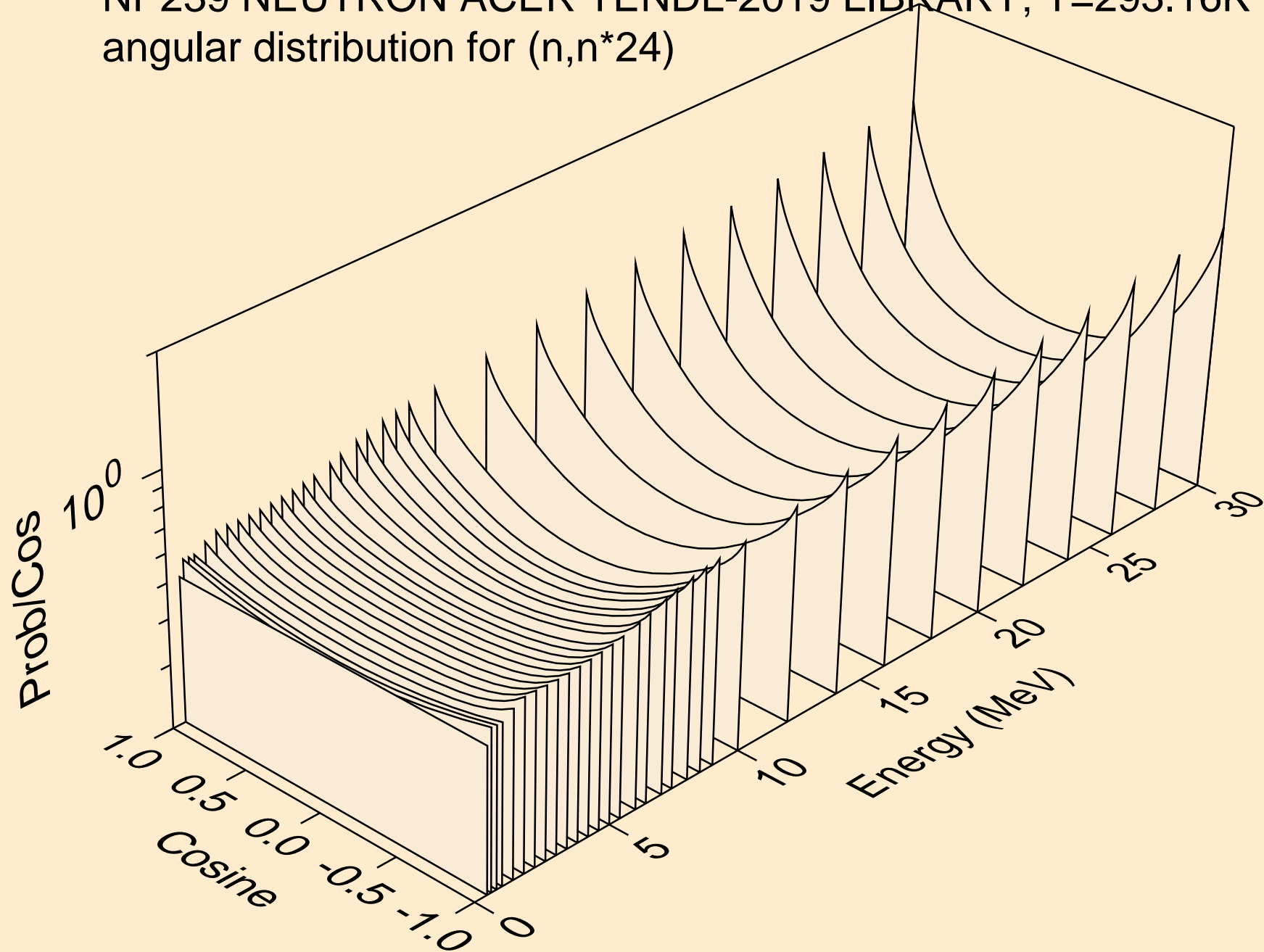
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angular distribution for (n,n*22)



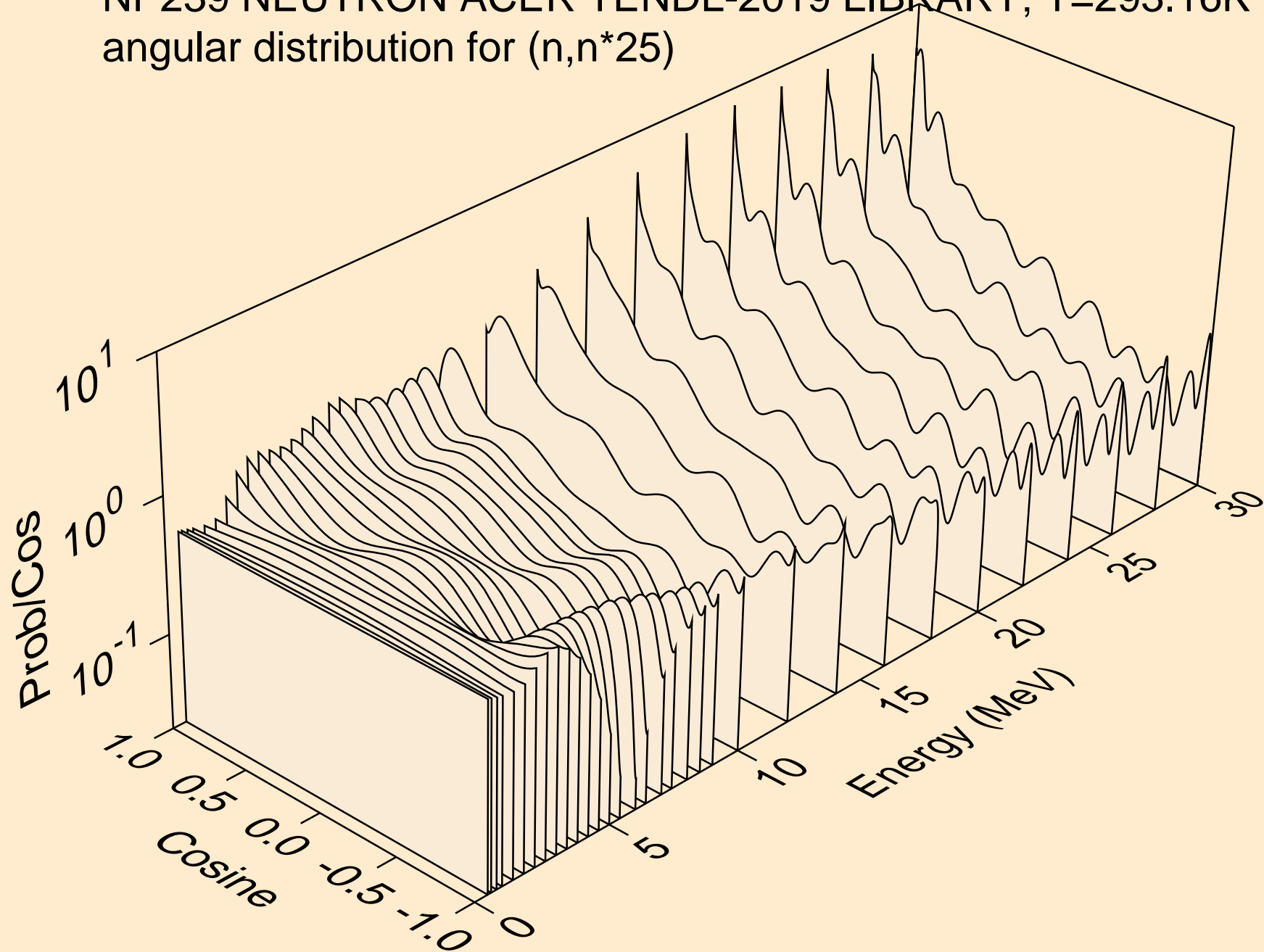
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angular distribution for (n,n*23)



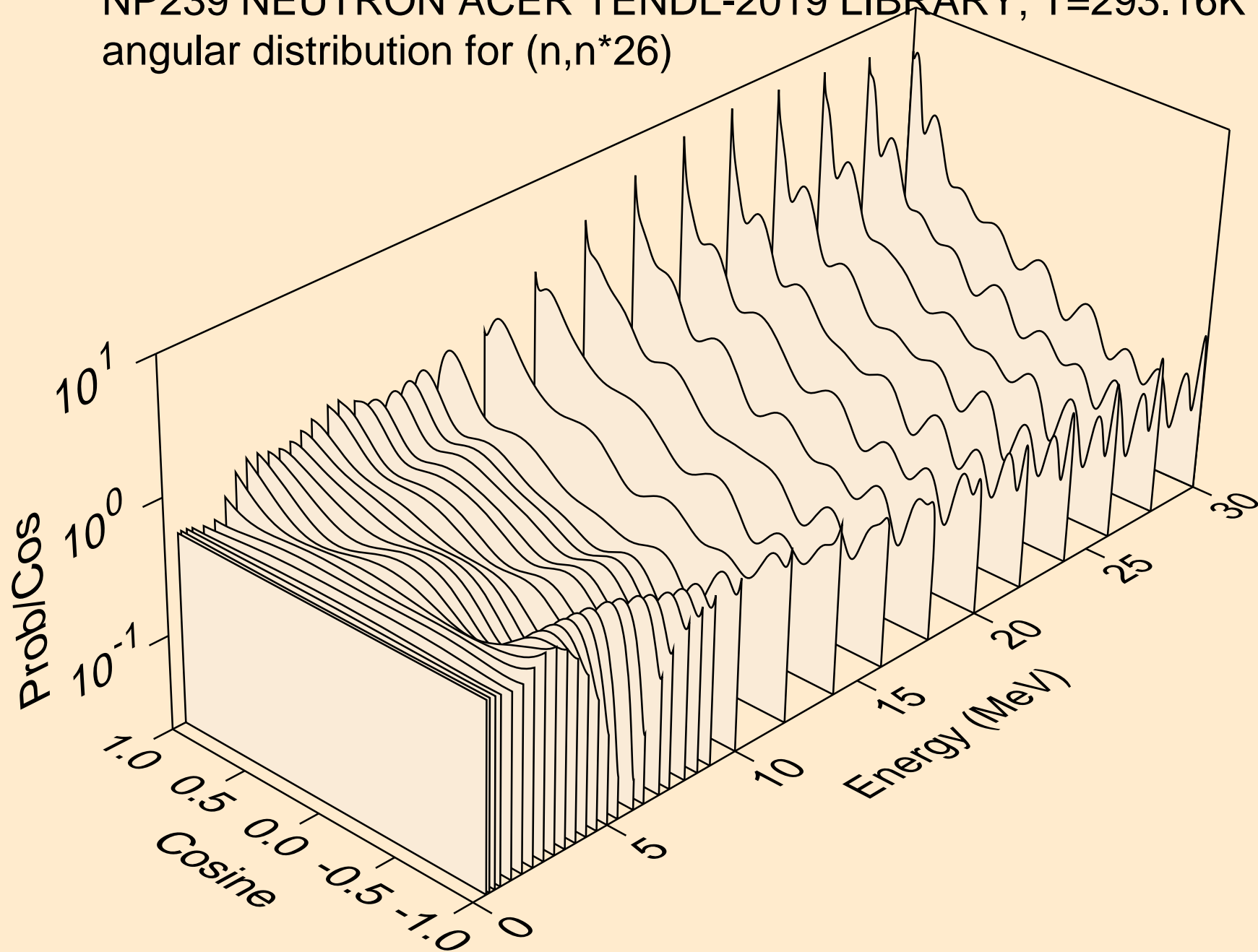
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angular distribution for (n,n*24)



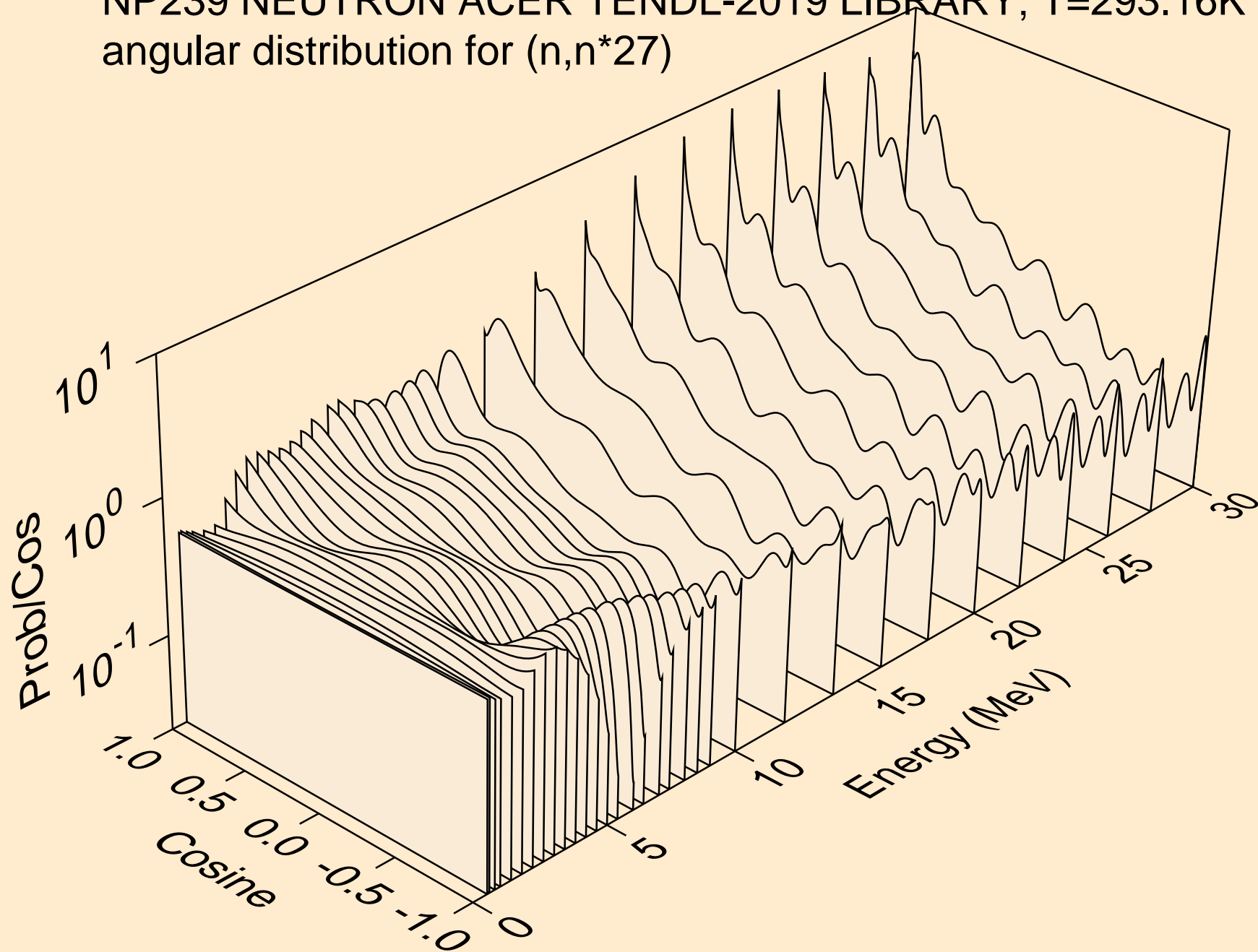
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angular distribution for (n,n*25)



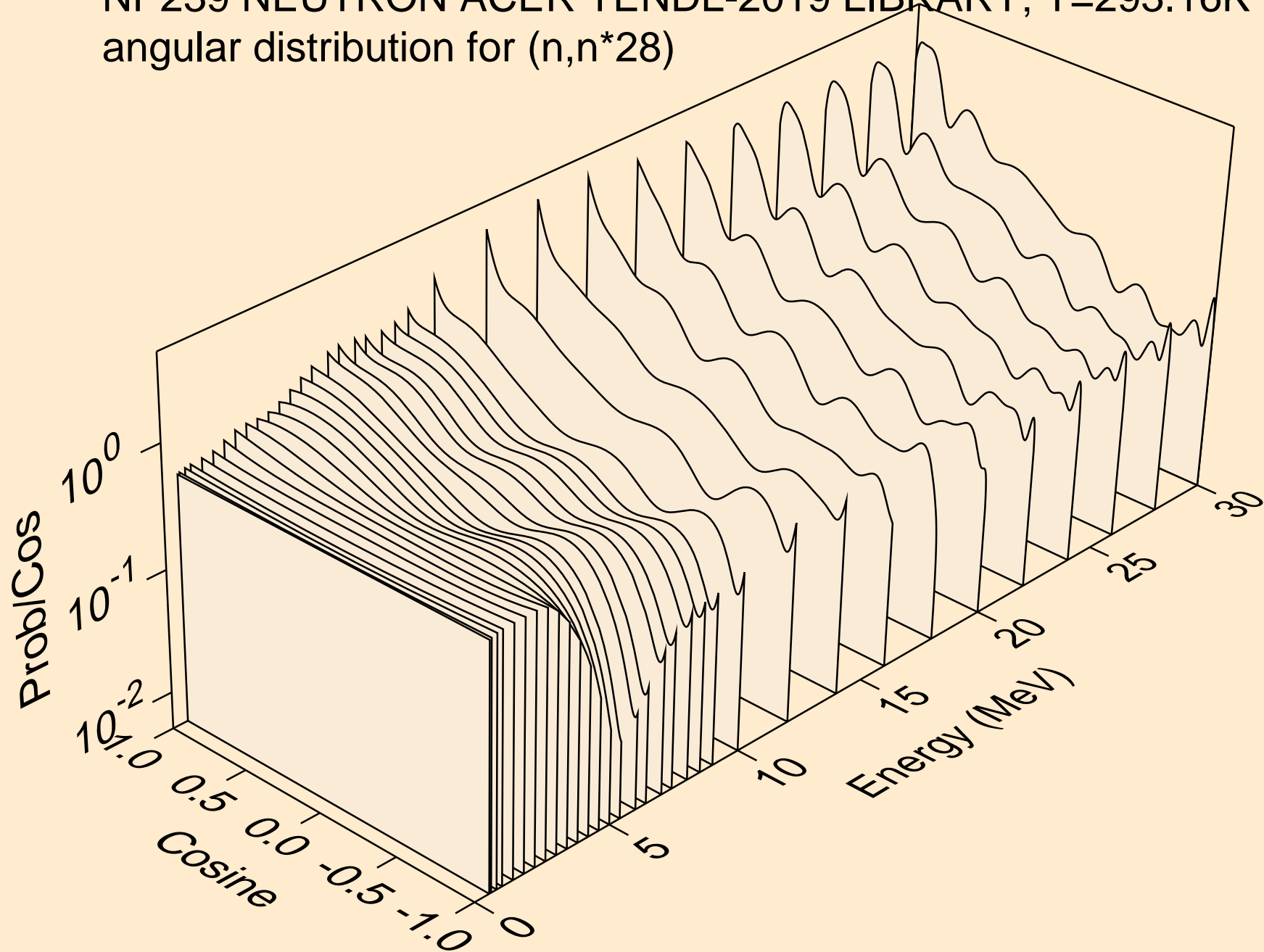
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



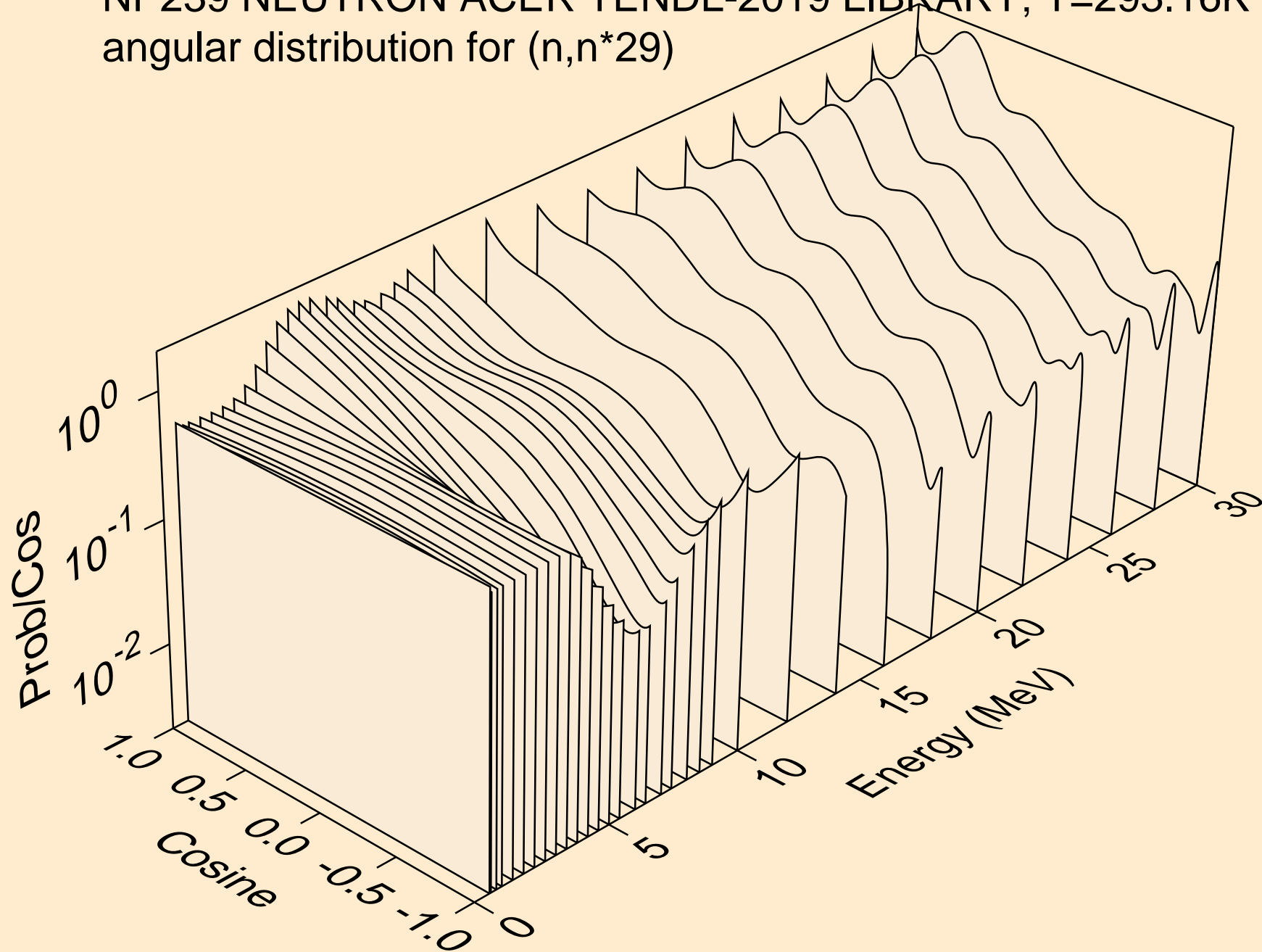
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angular distribution for (n,n*27)



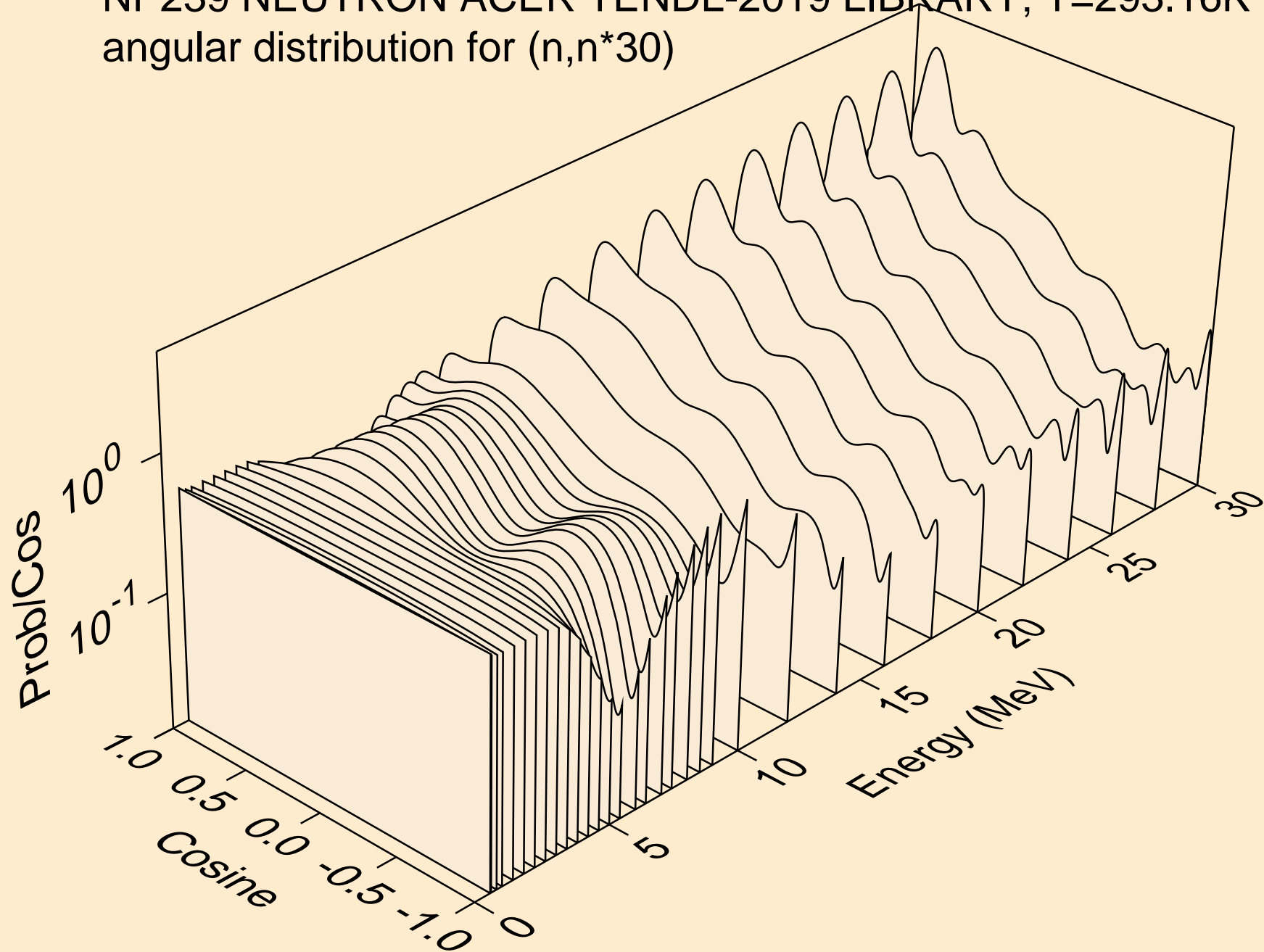
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



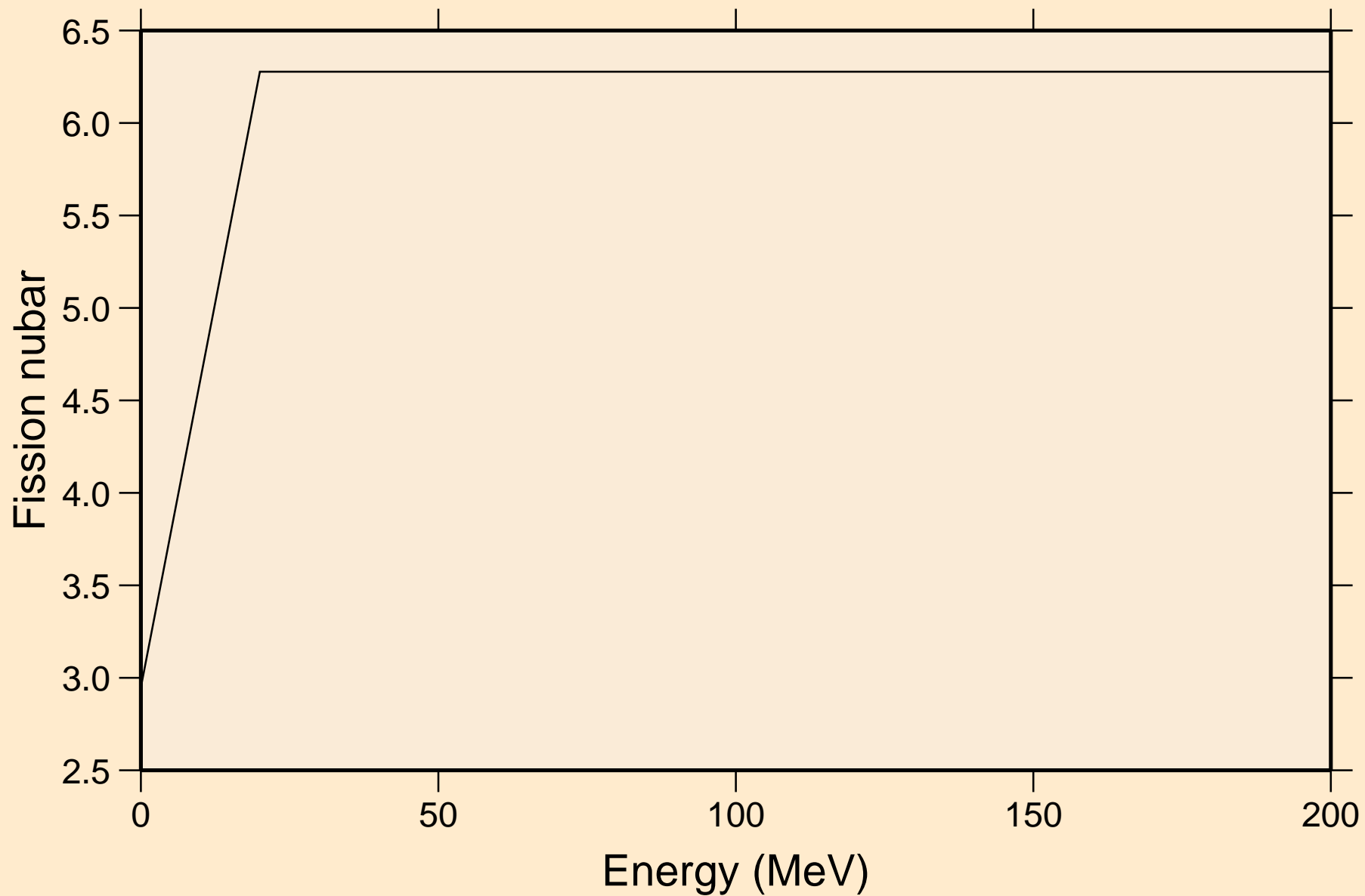
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



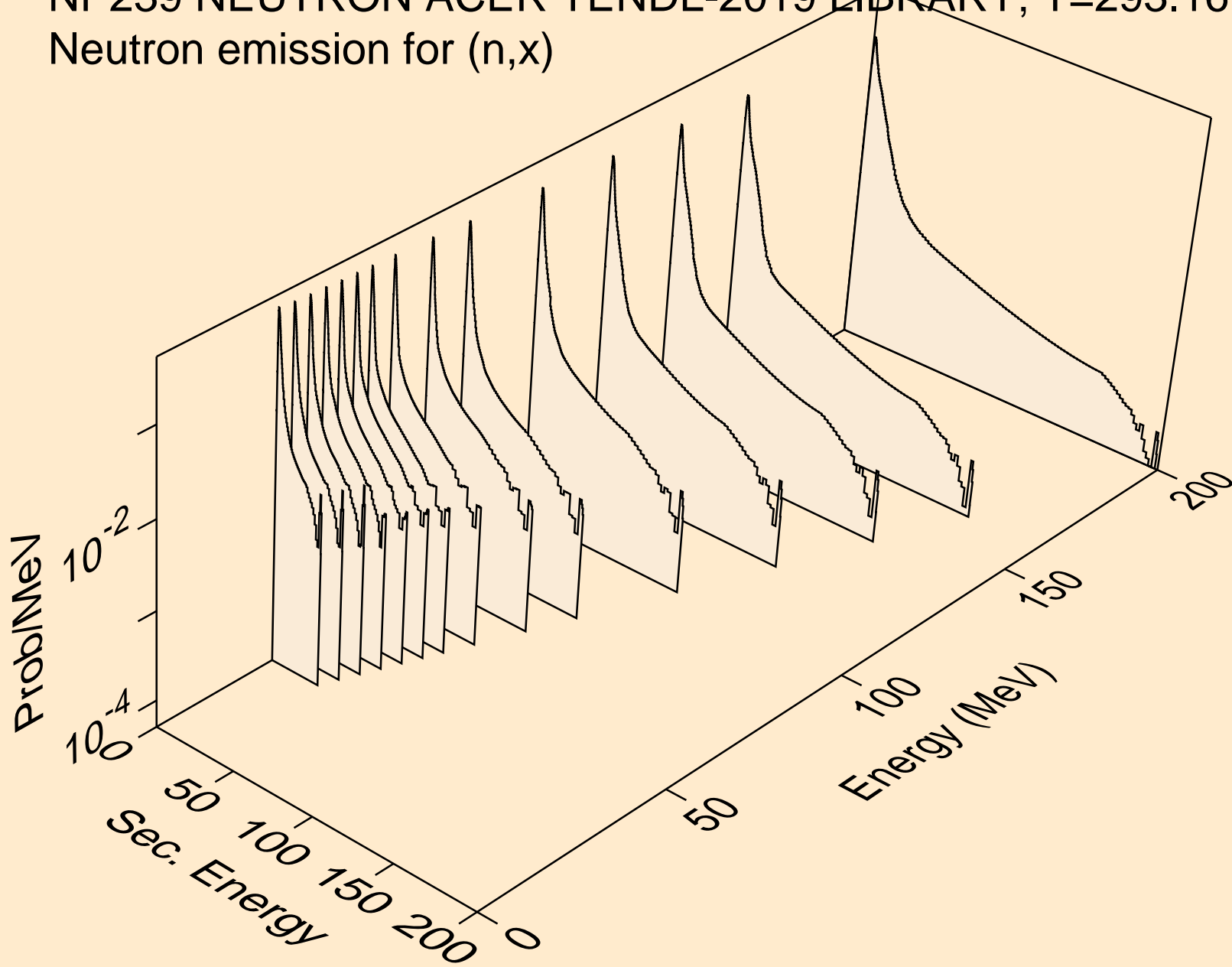
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



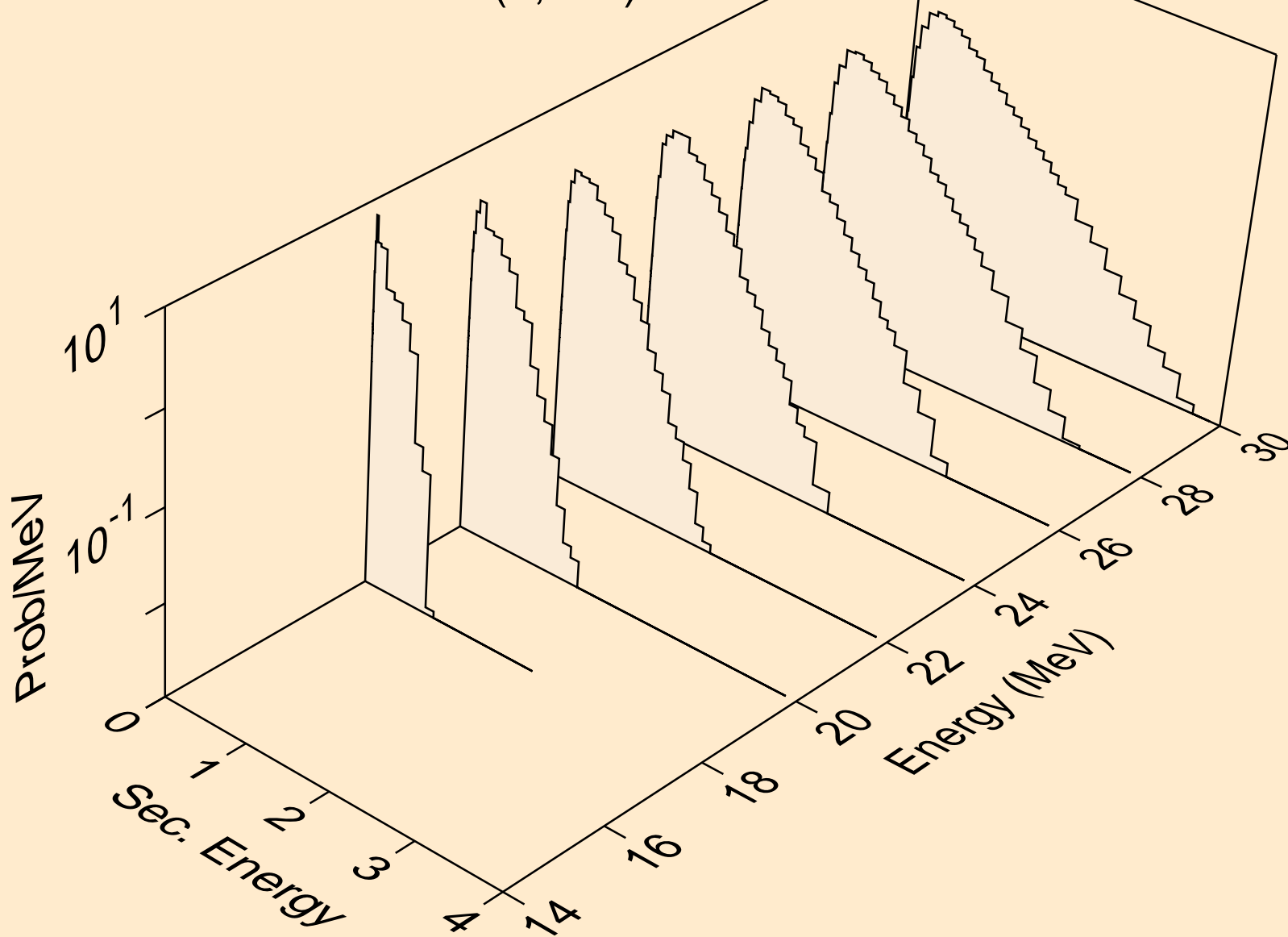
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Total fission nubar



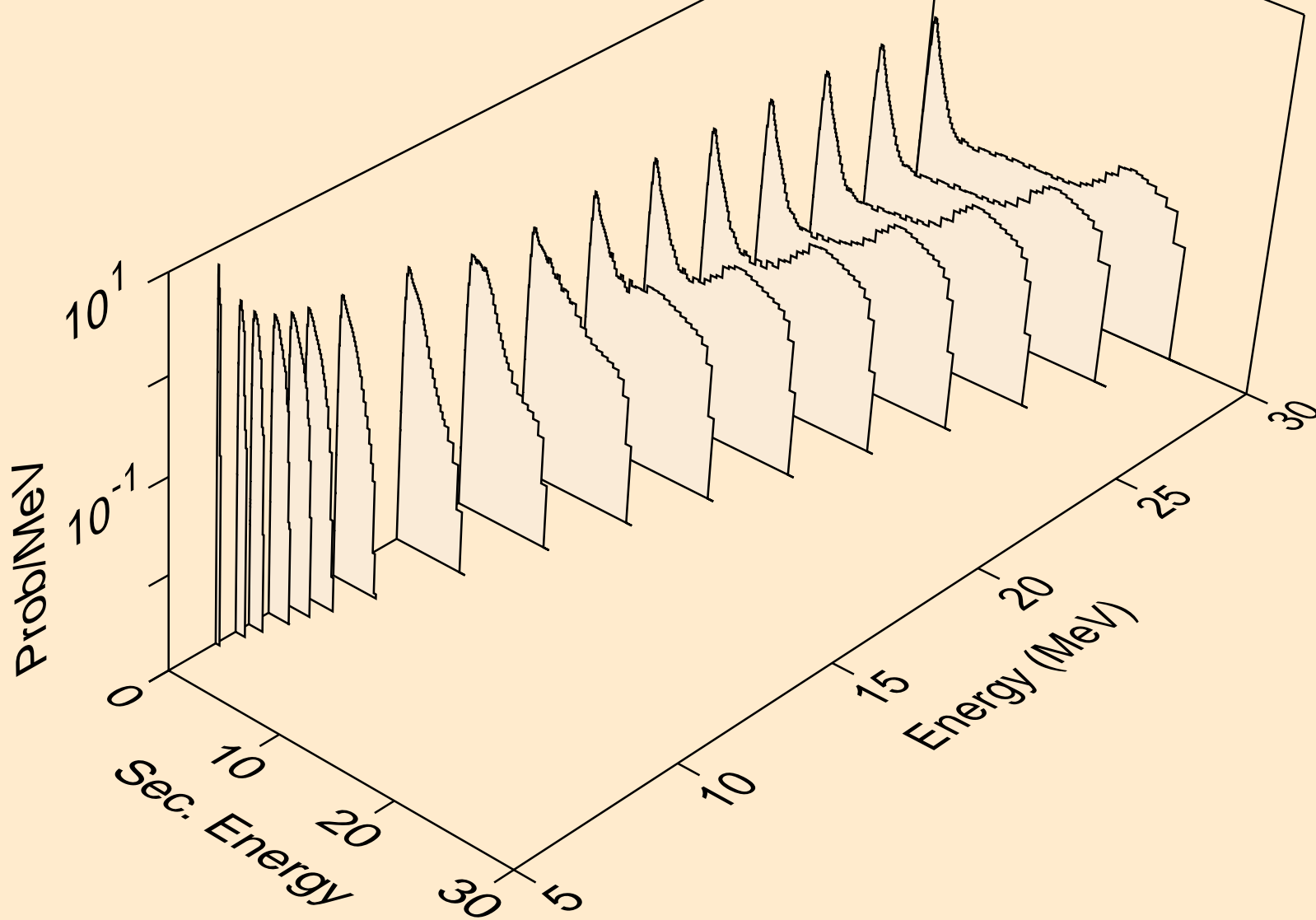
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



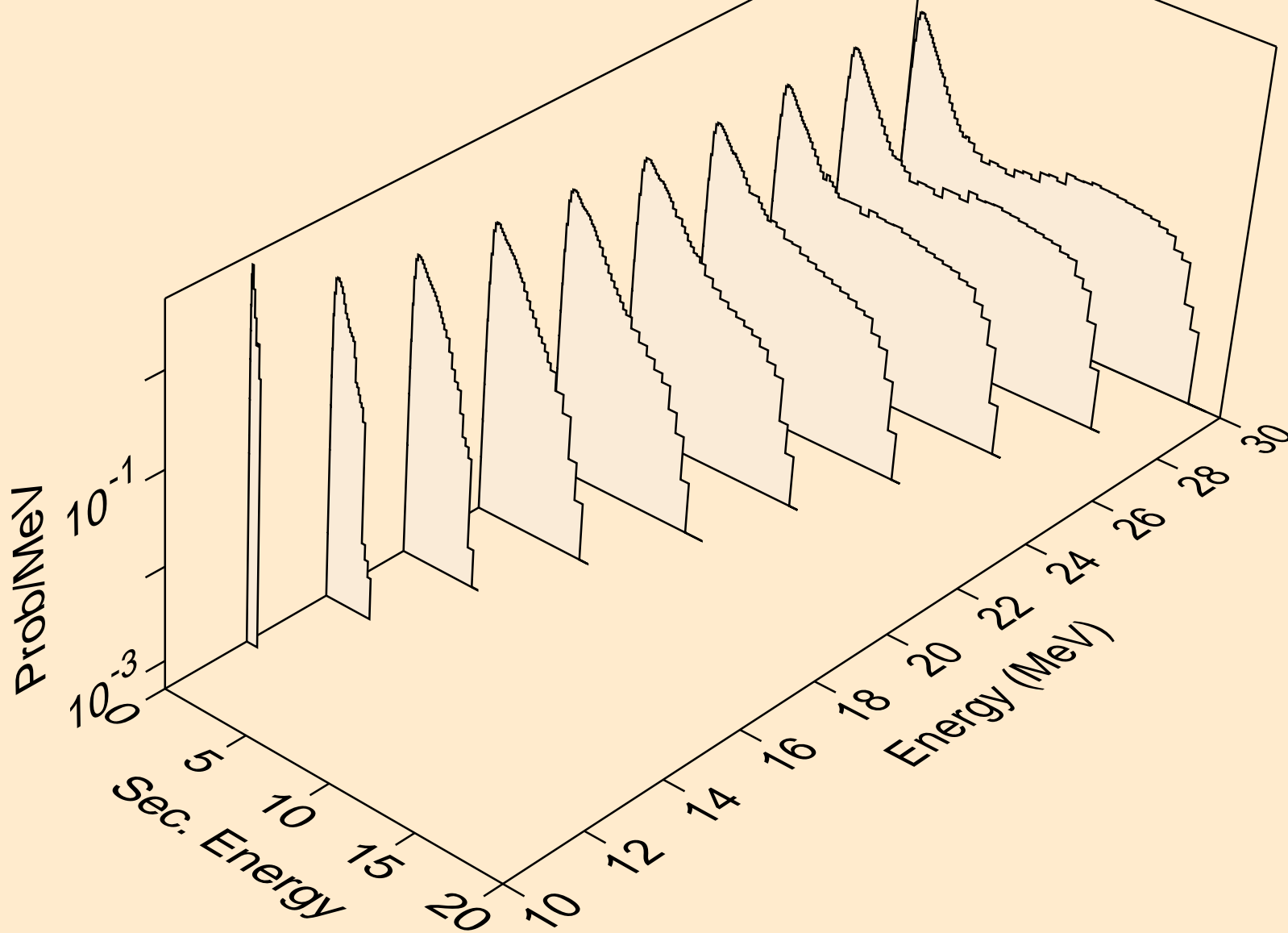
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



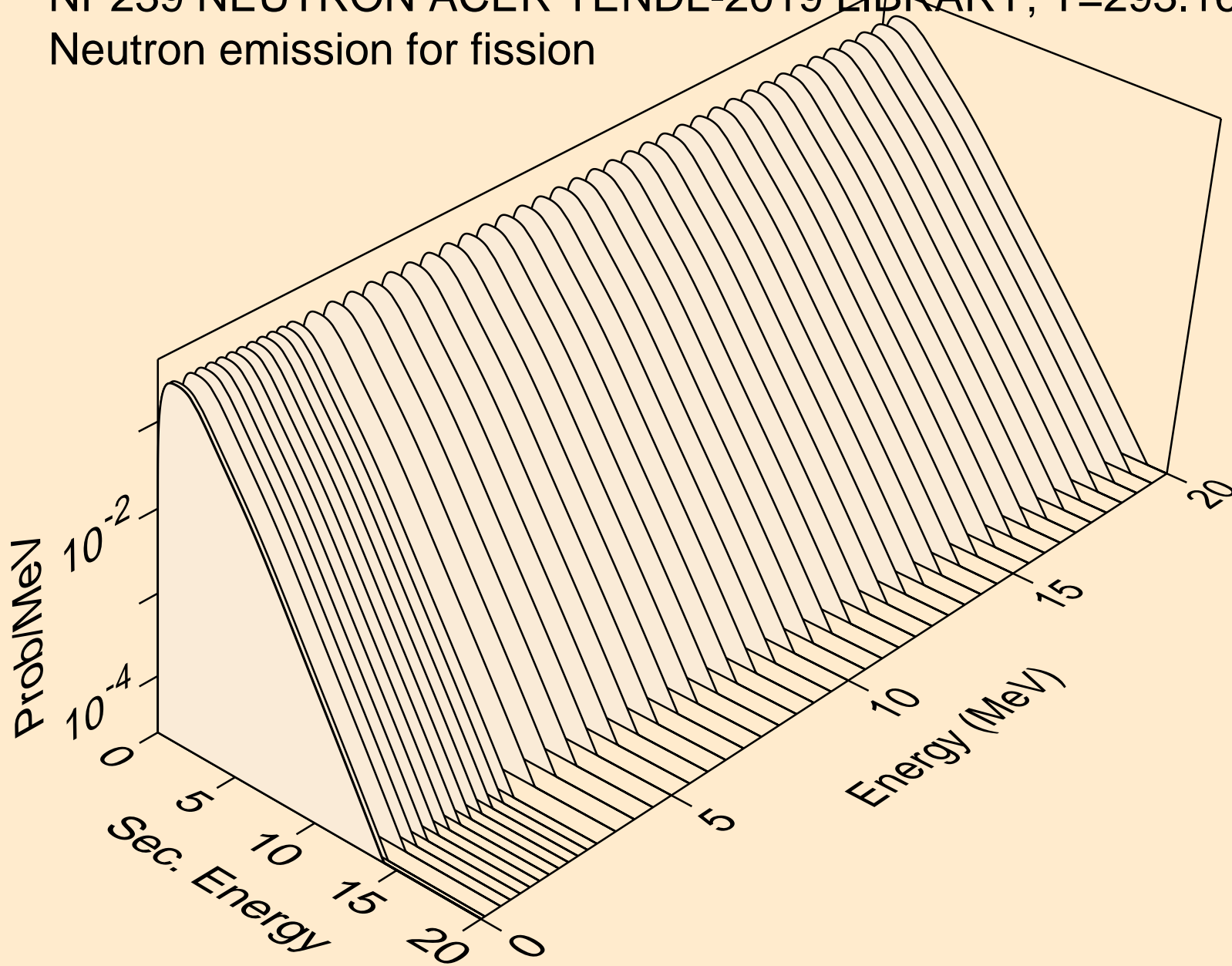
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



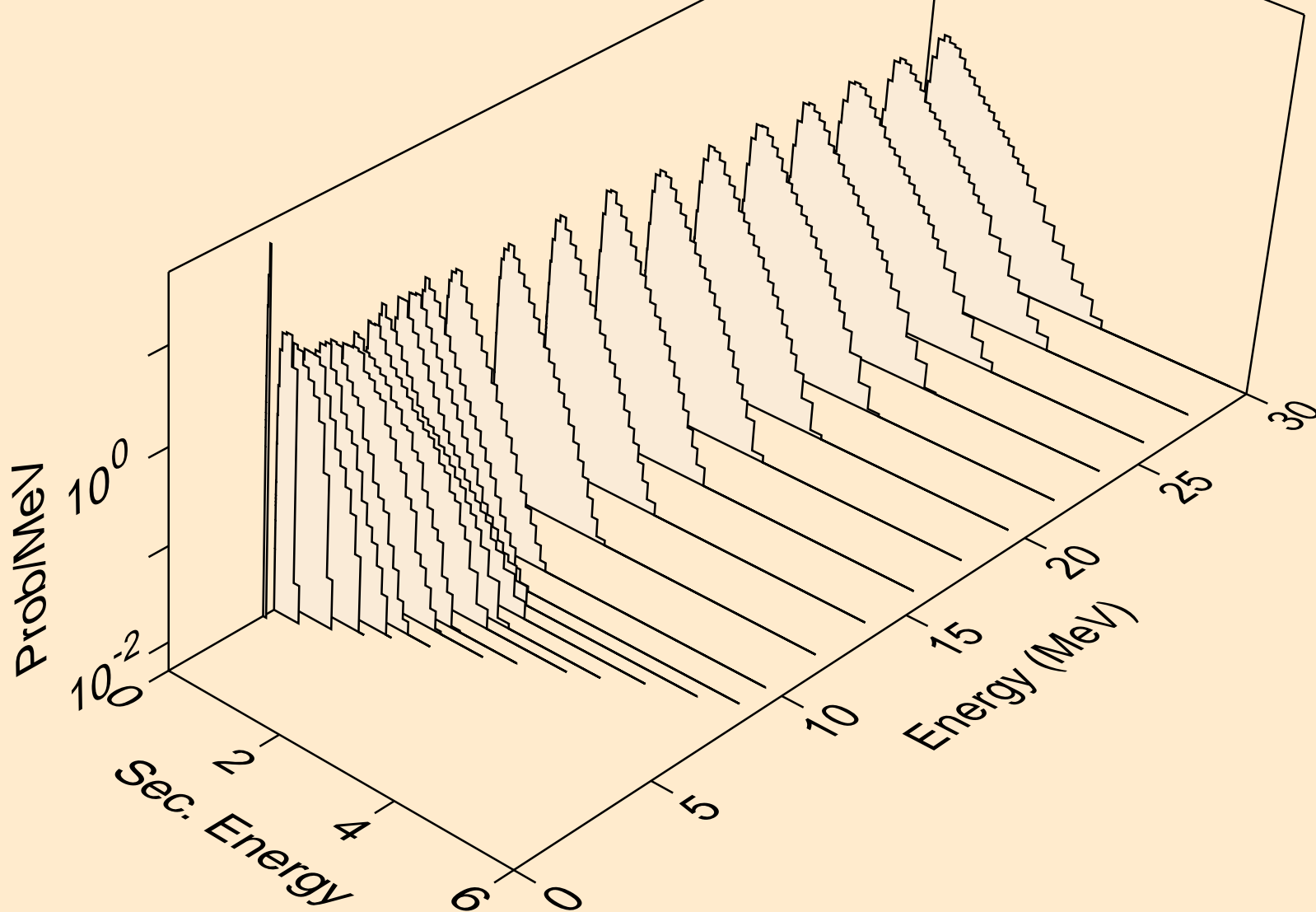
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



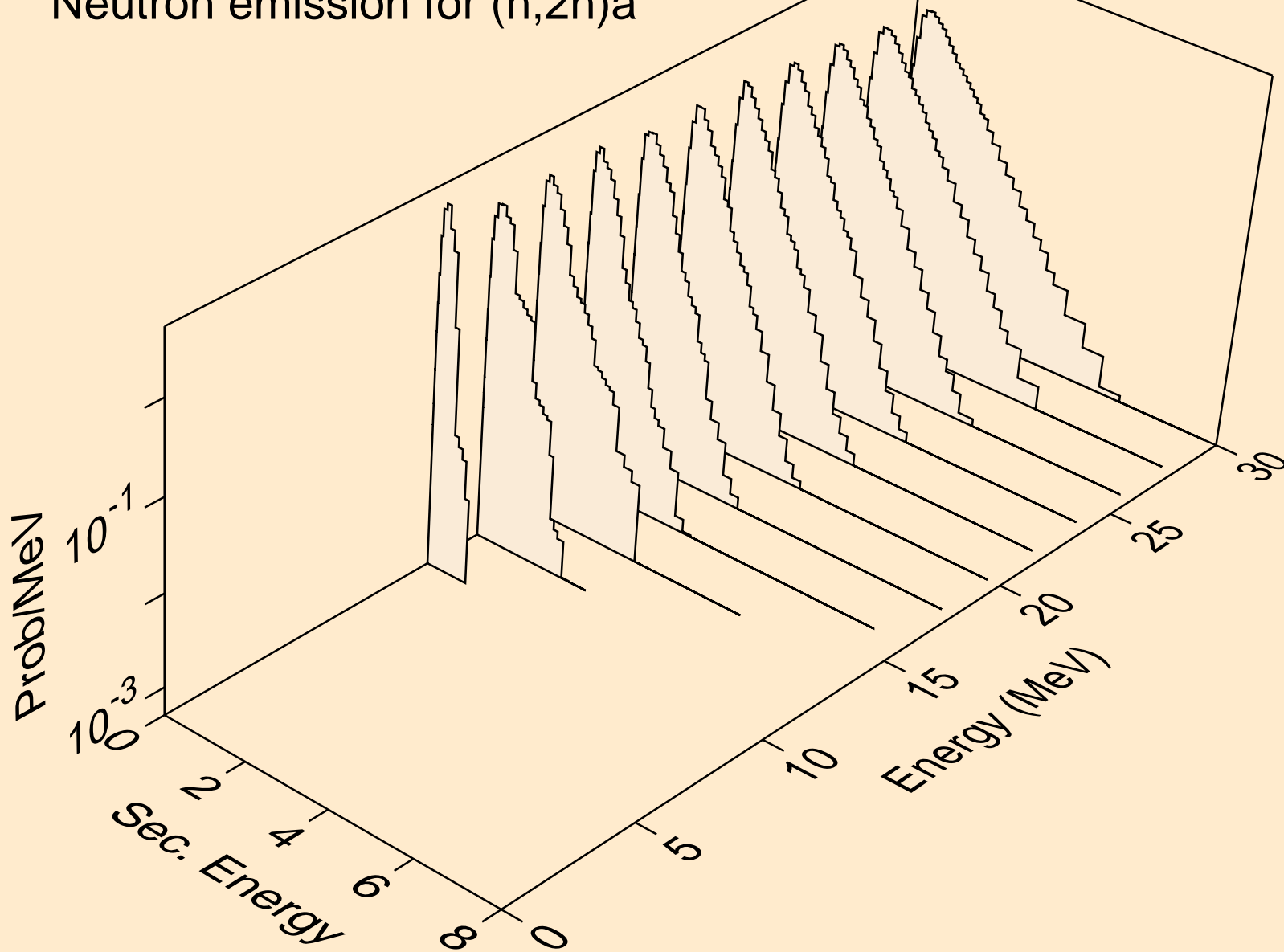
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for fission



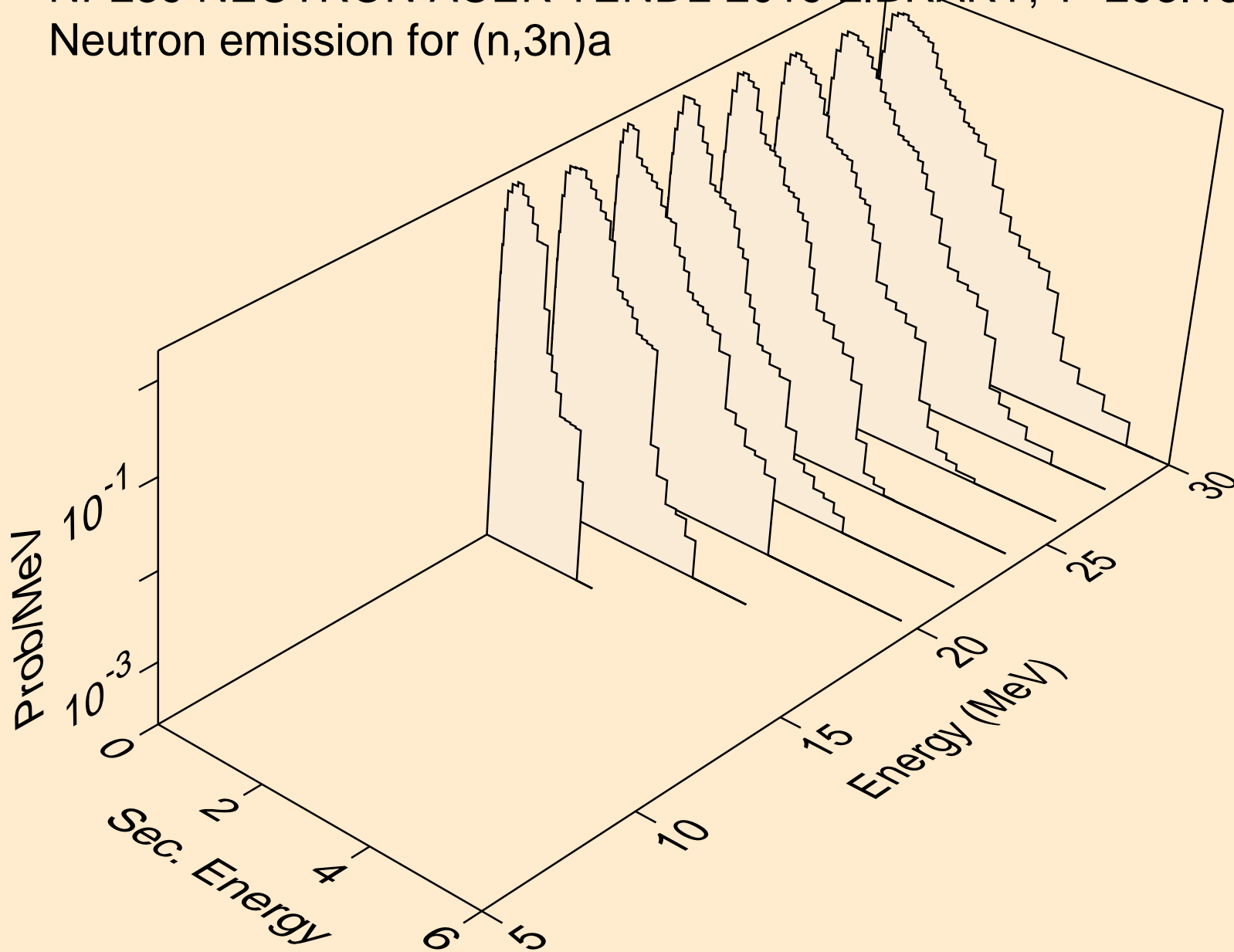
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



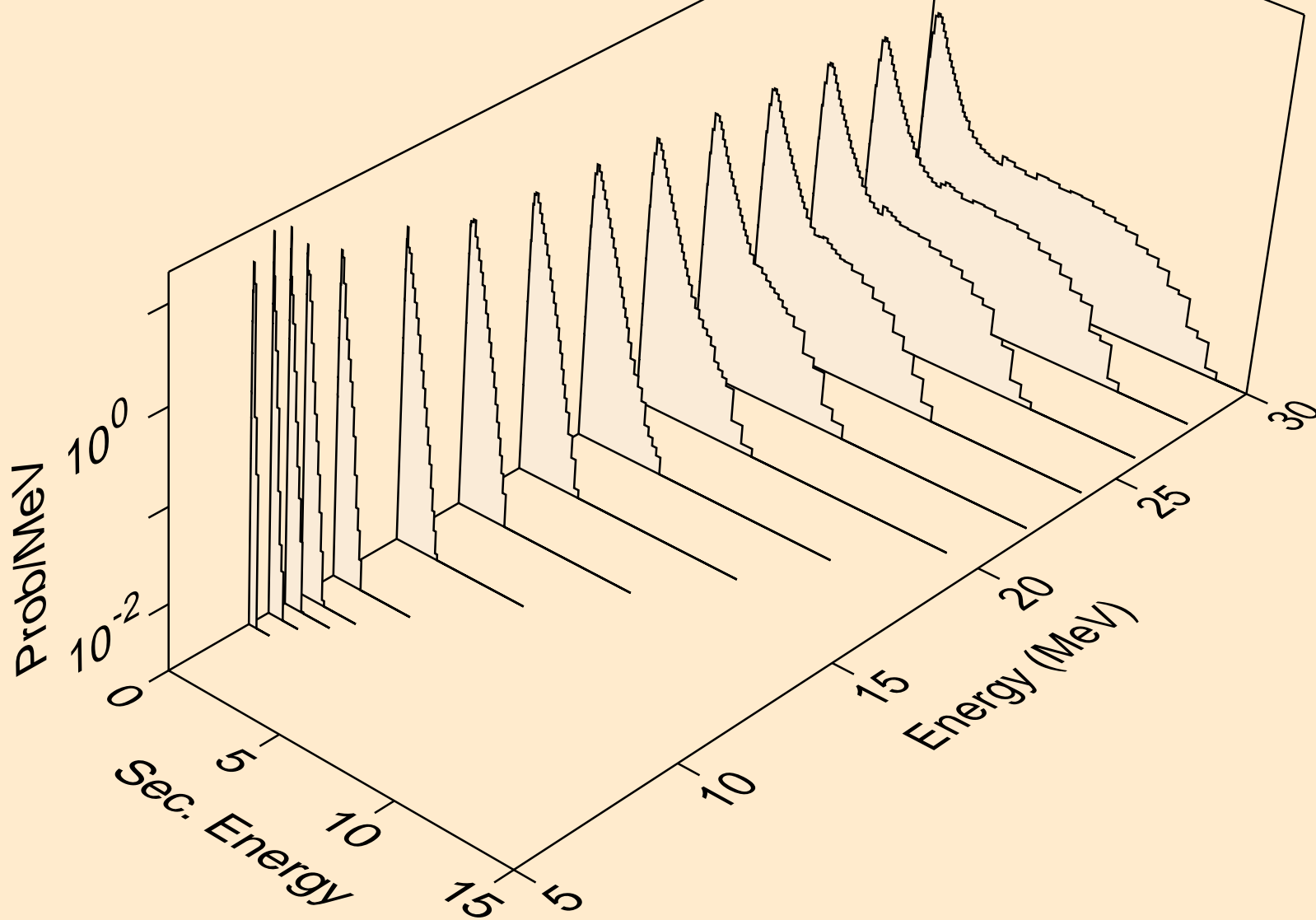
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



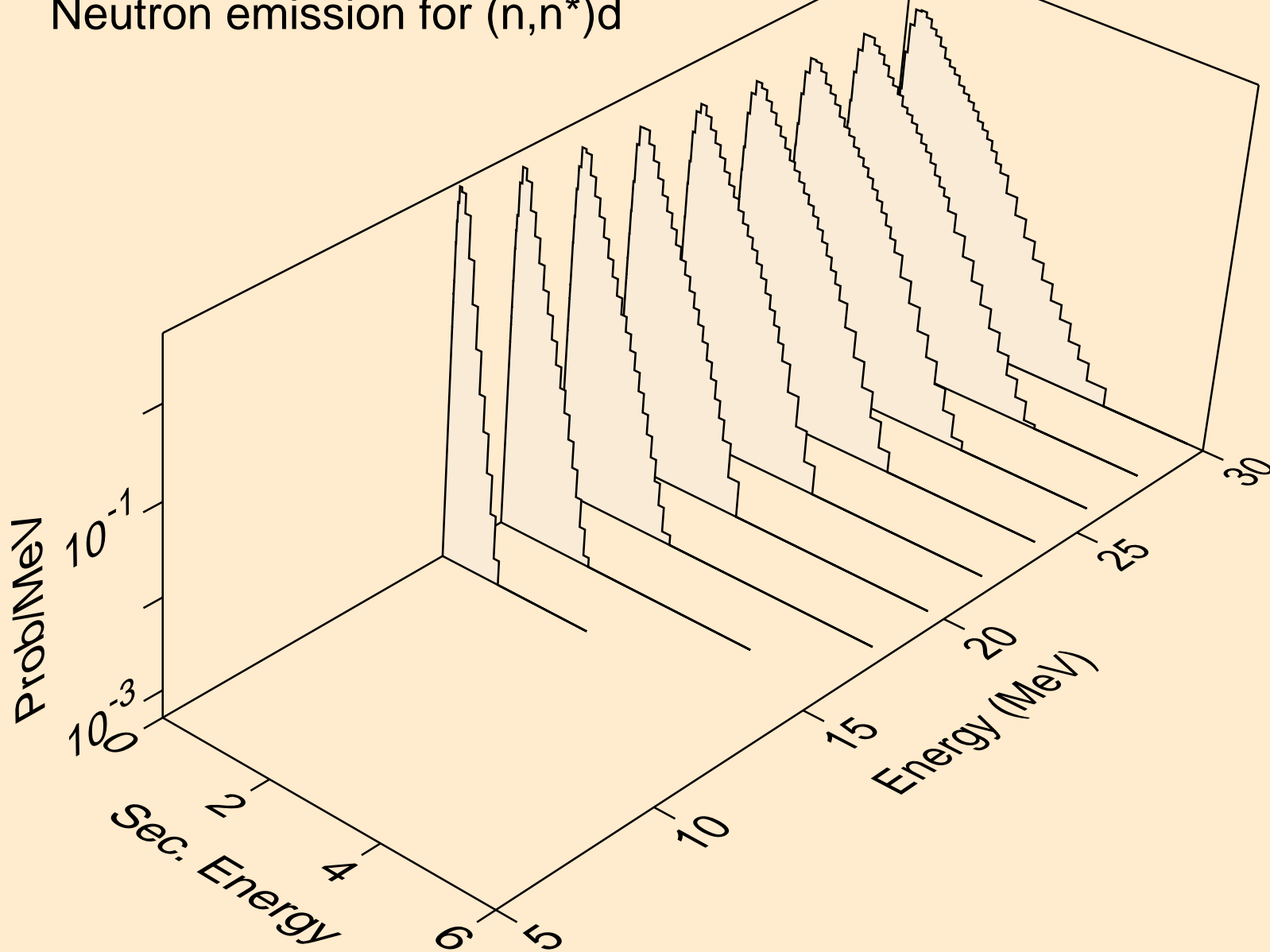
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



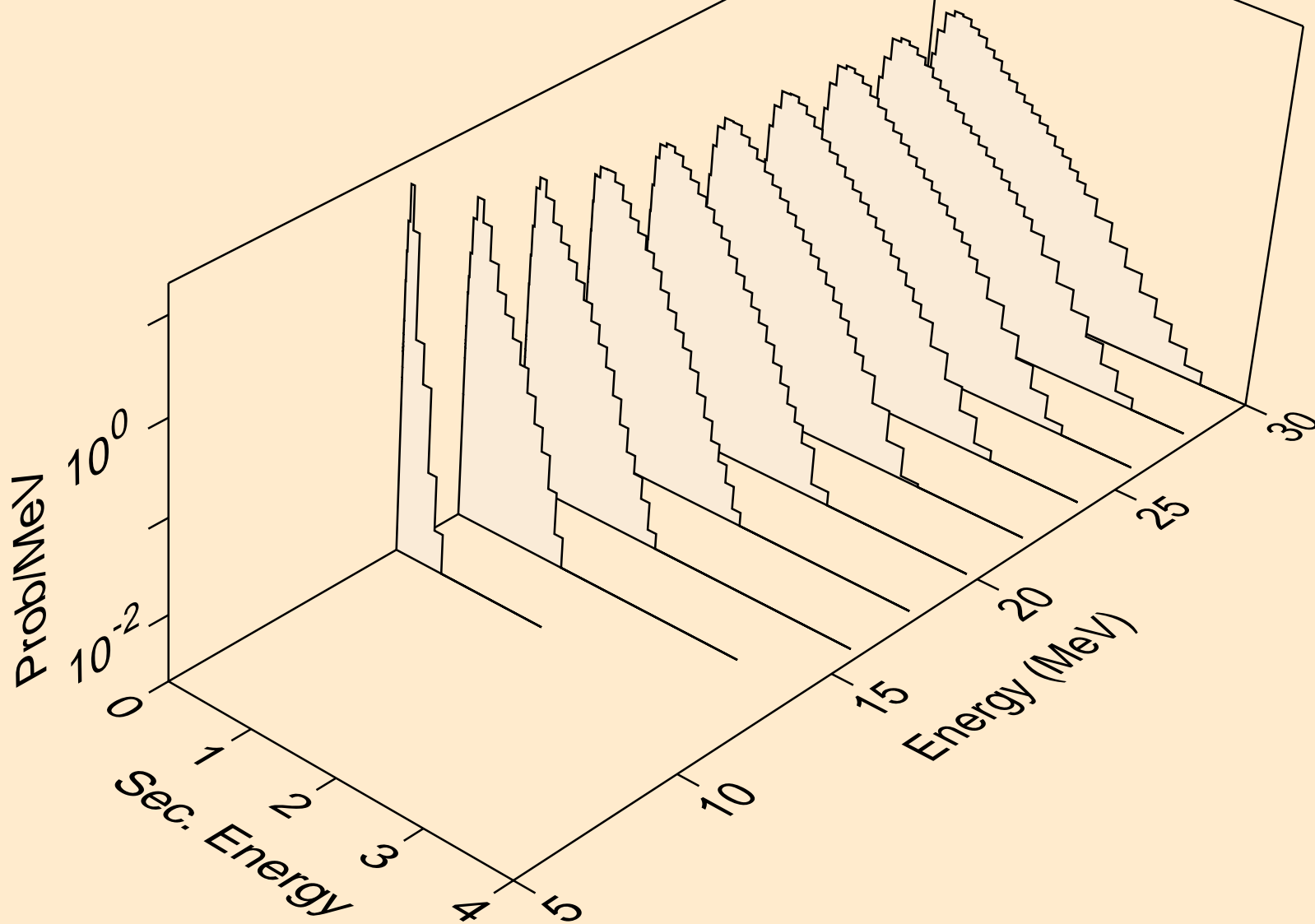
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



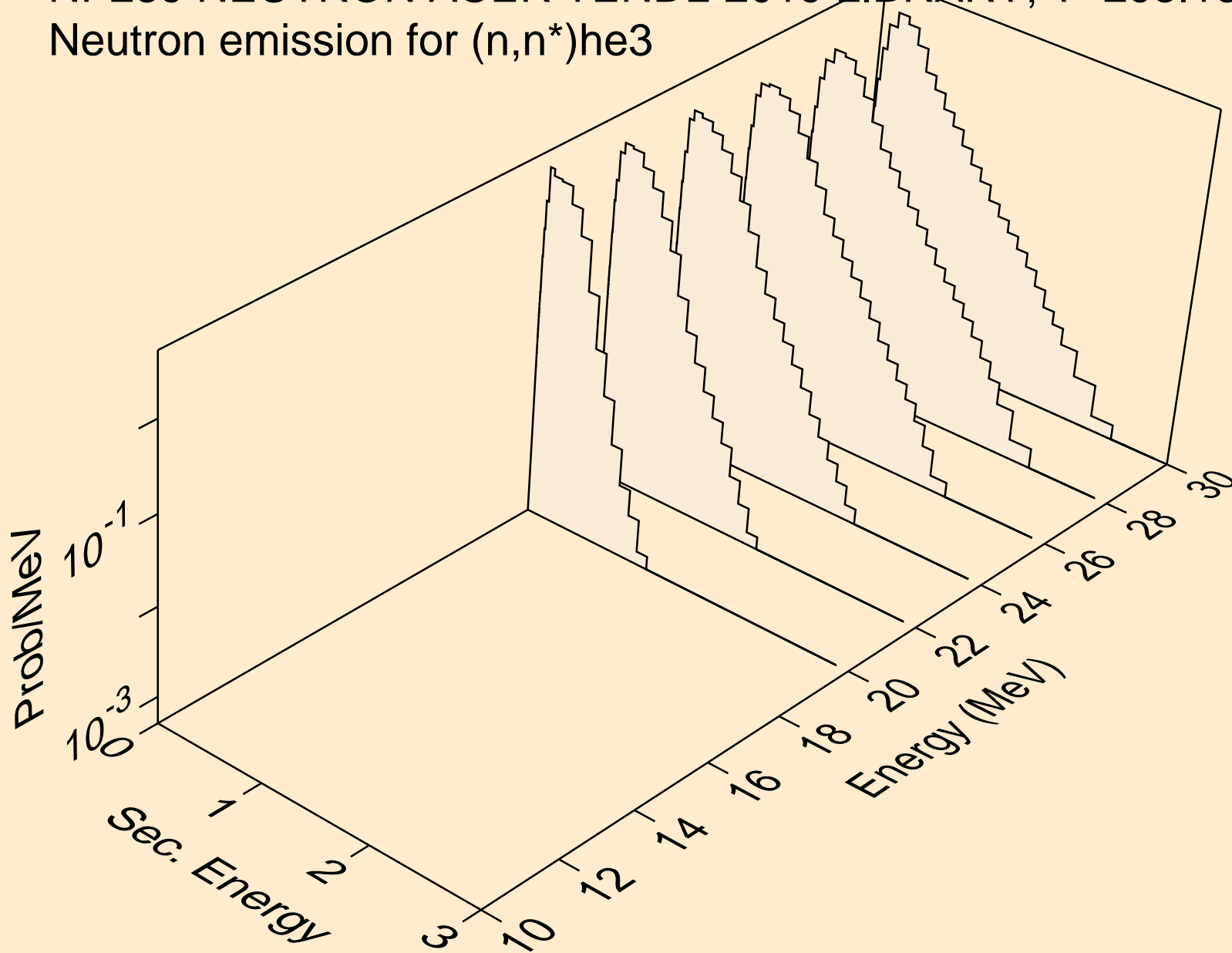
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



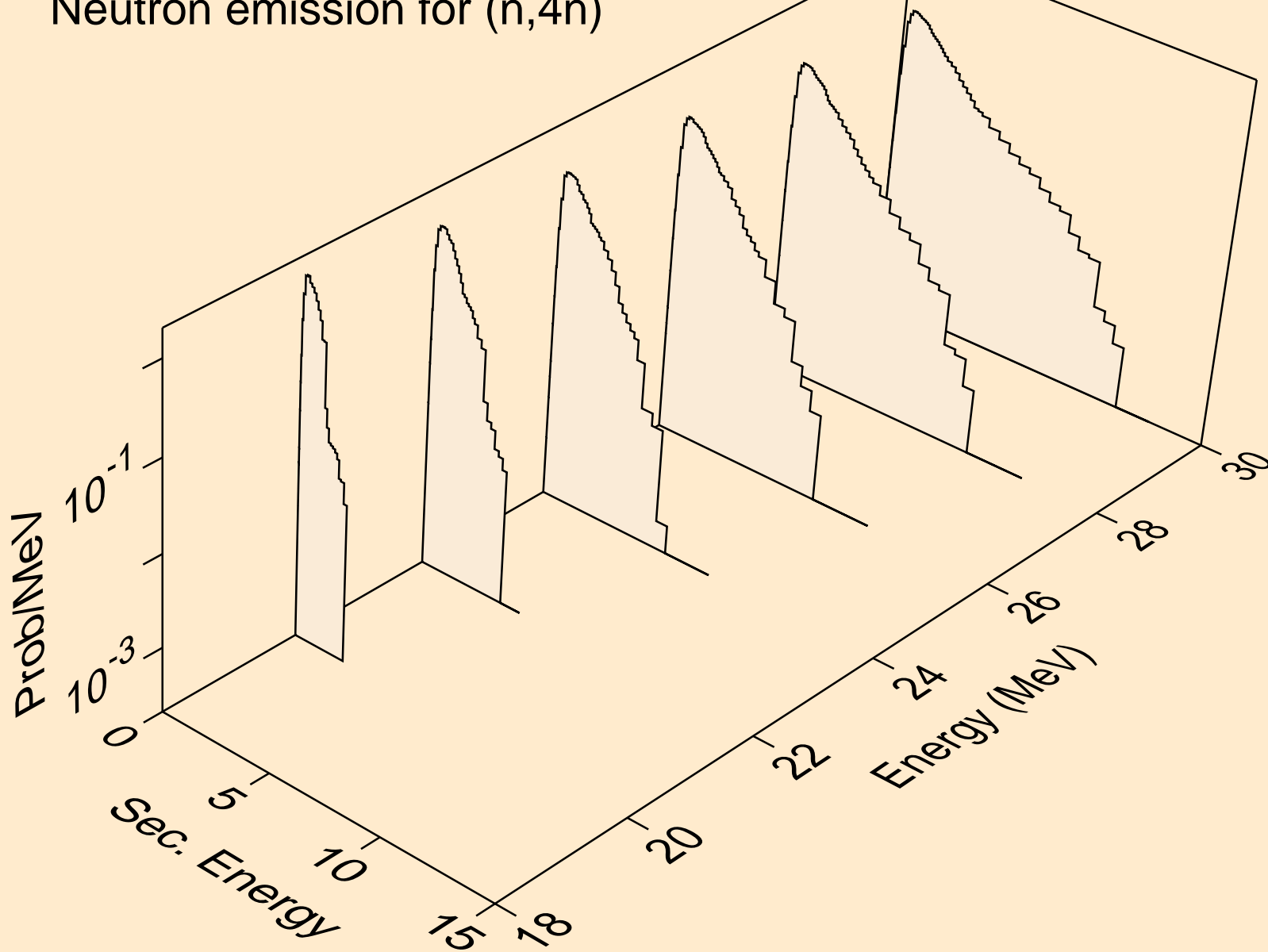
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



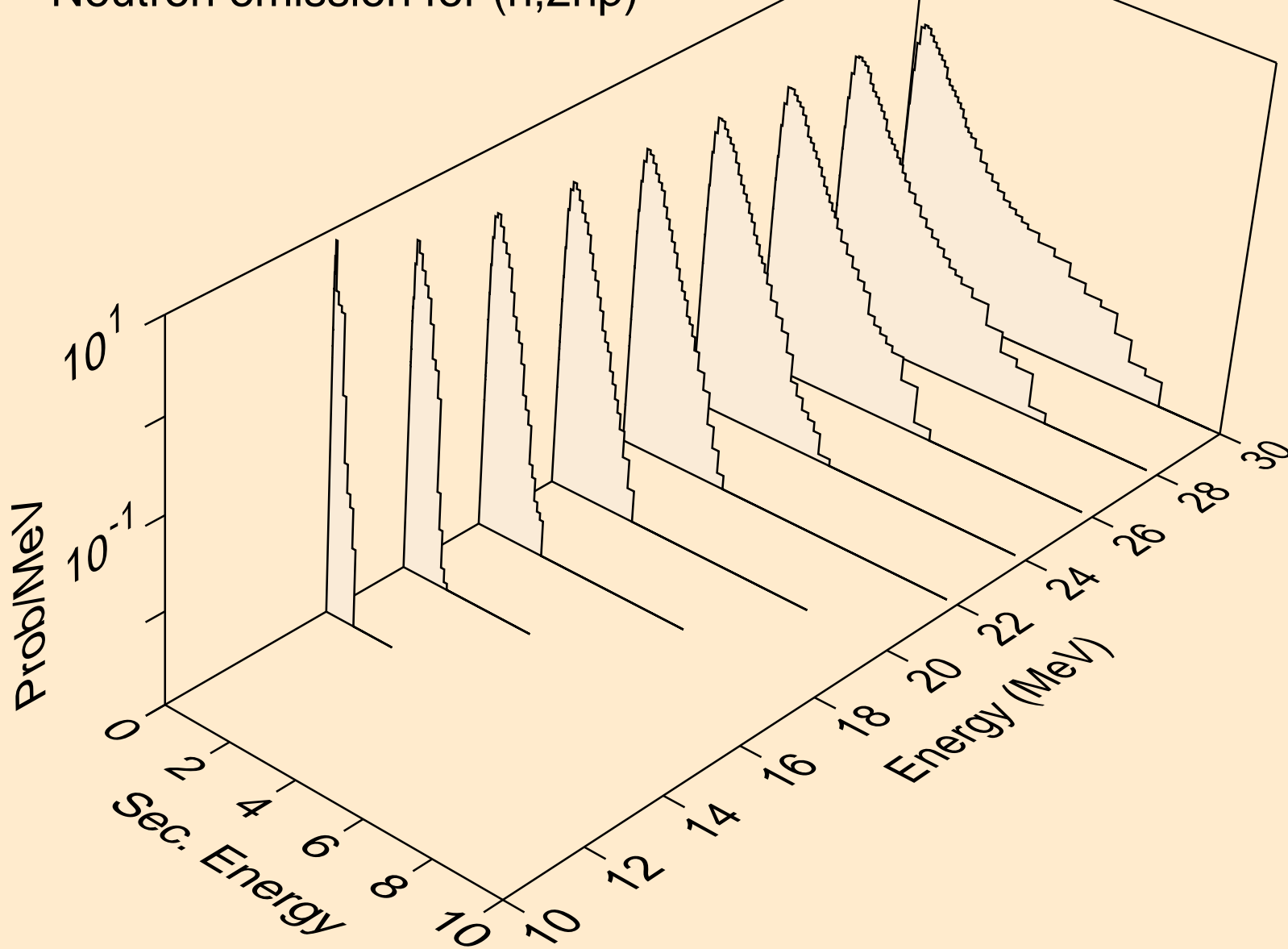
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



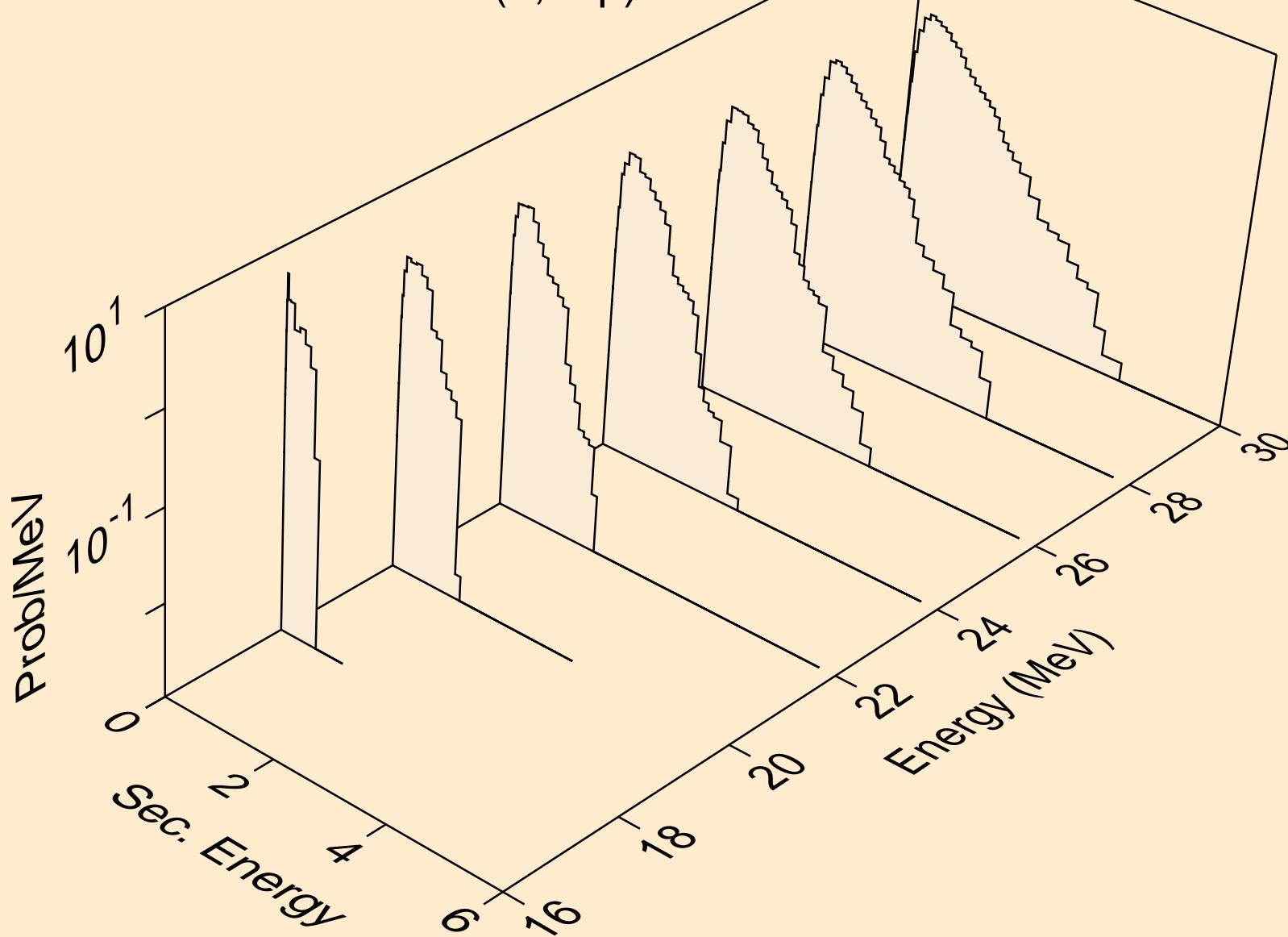
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



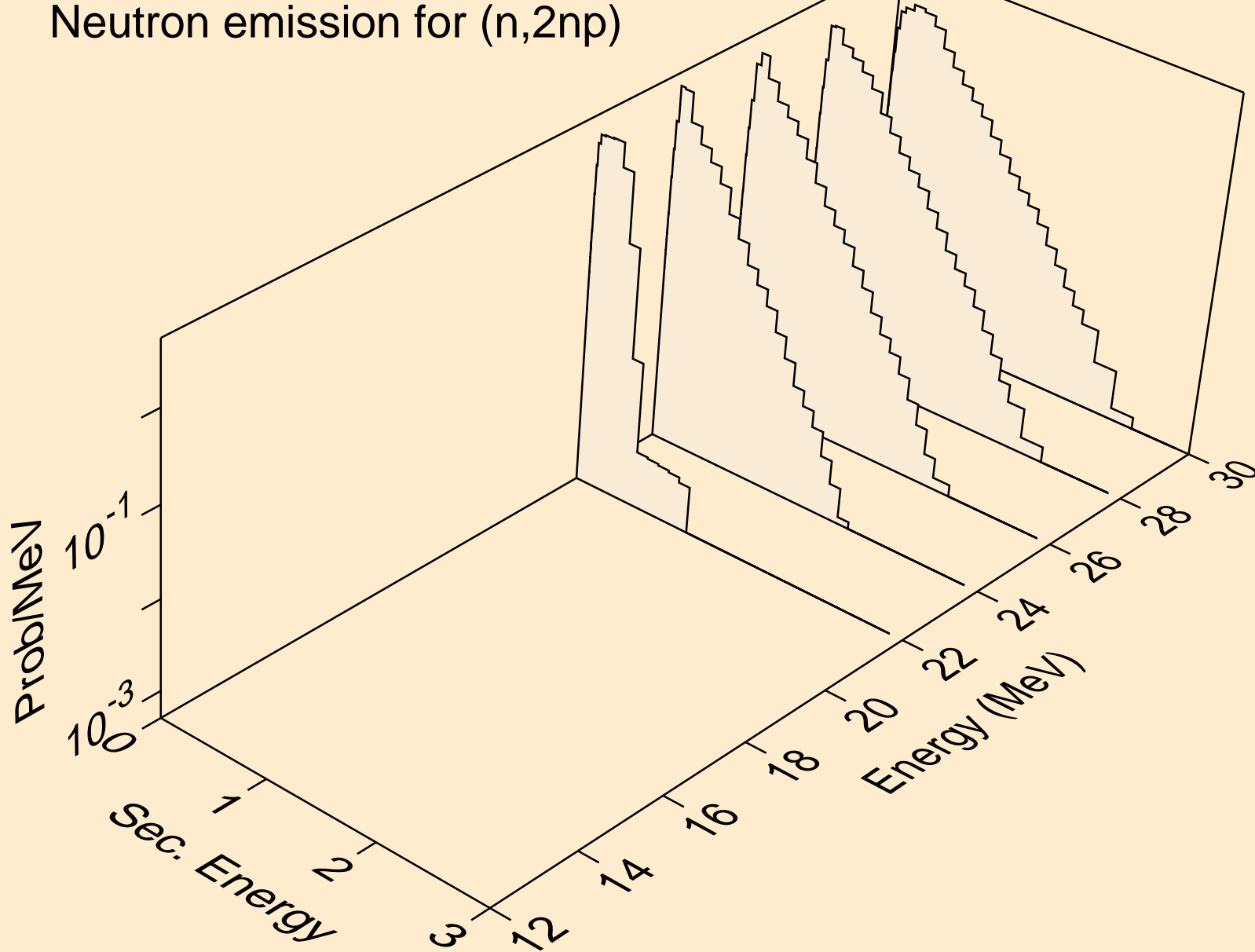
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



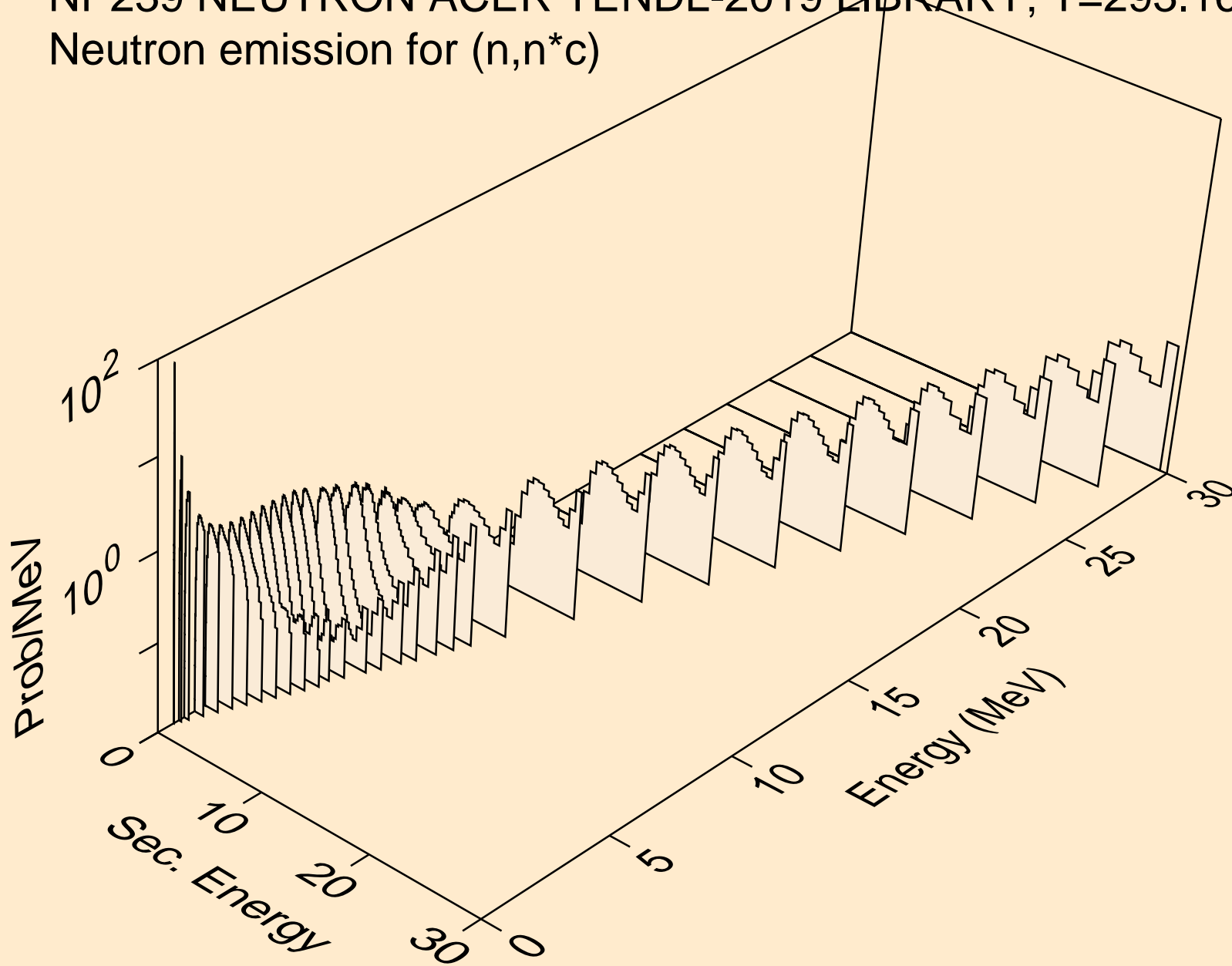
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



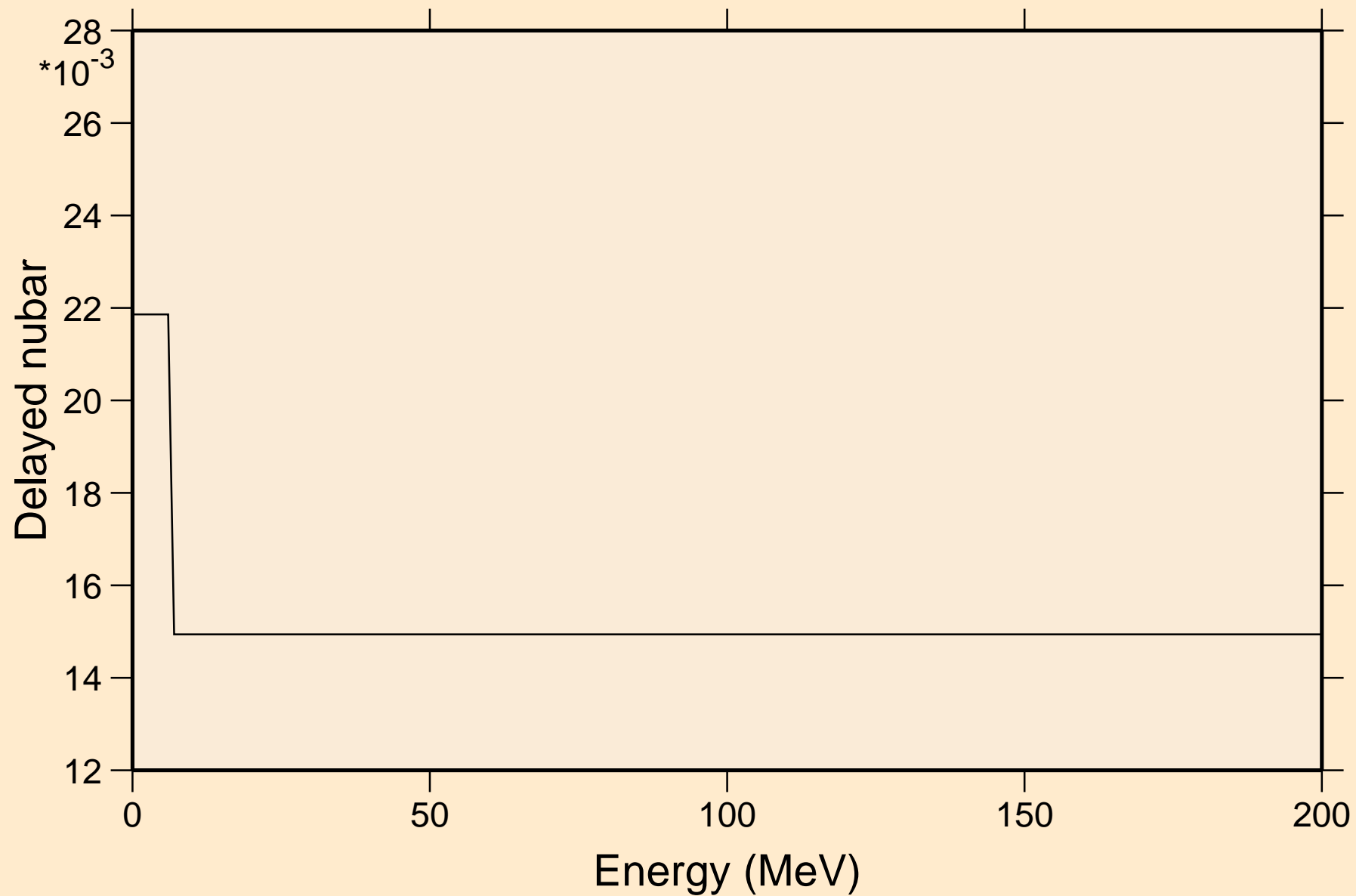
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)

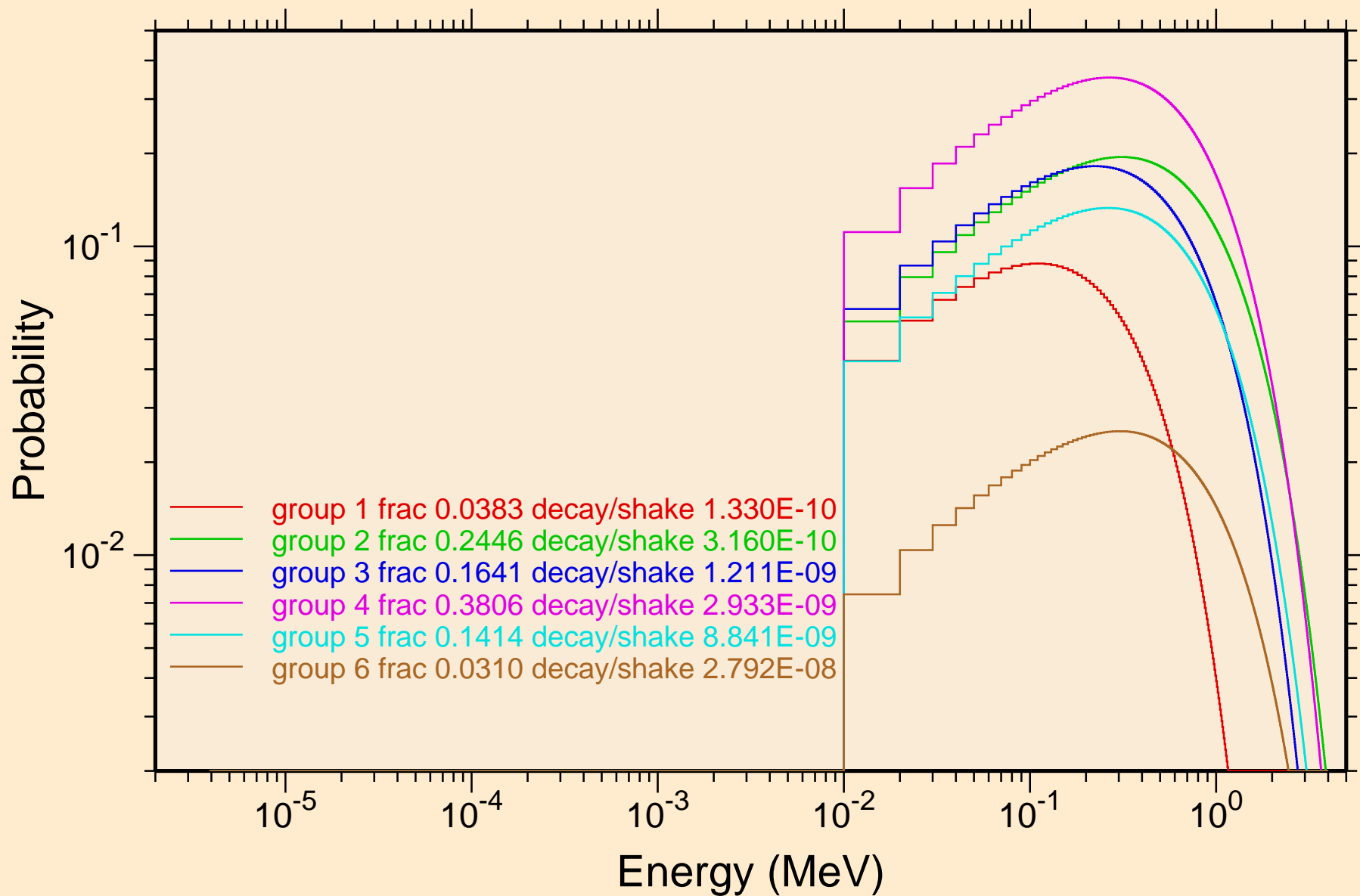


NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Delayed nubar

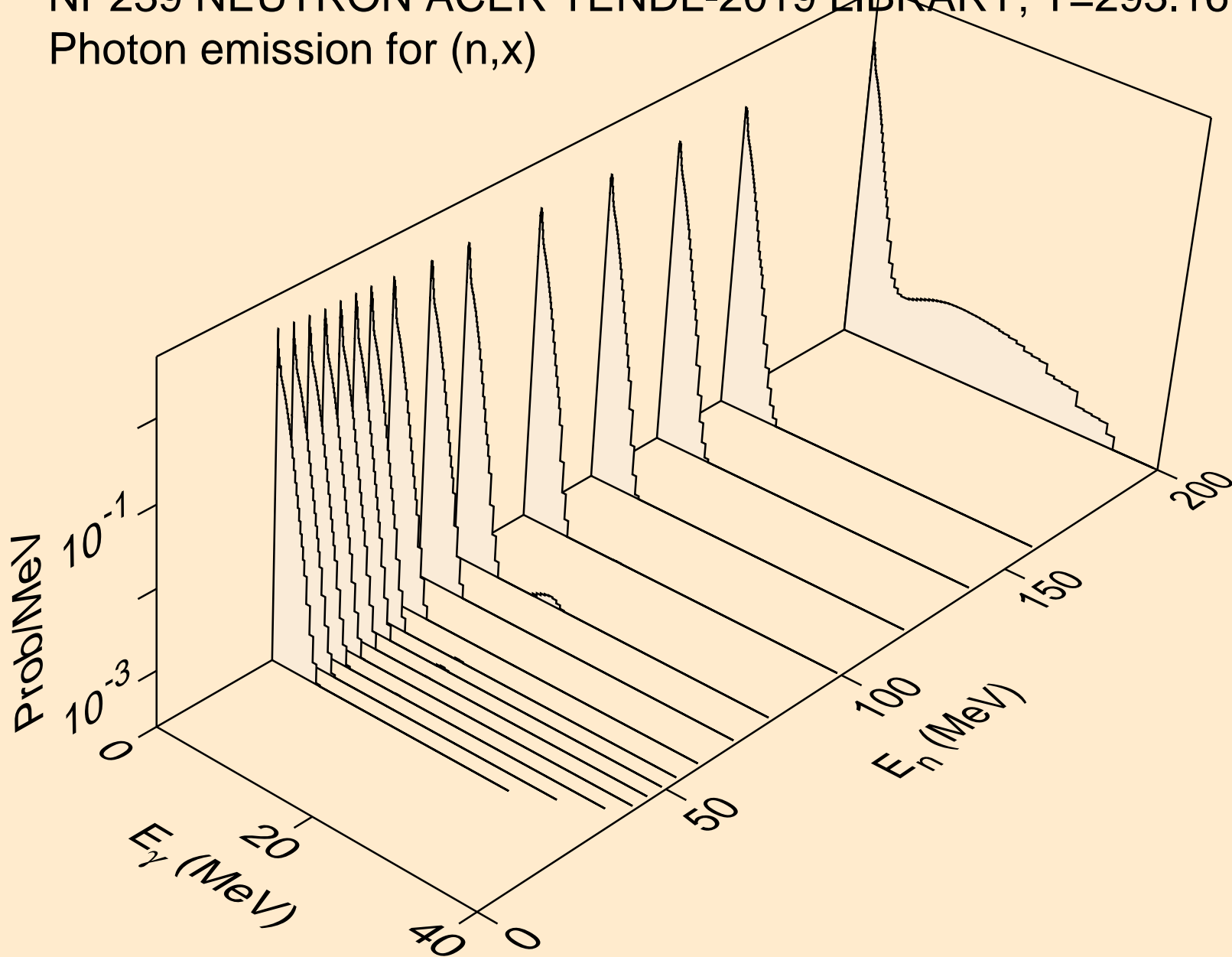


NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

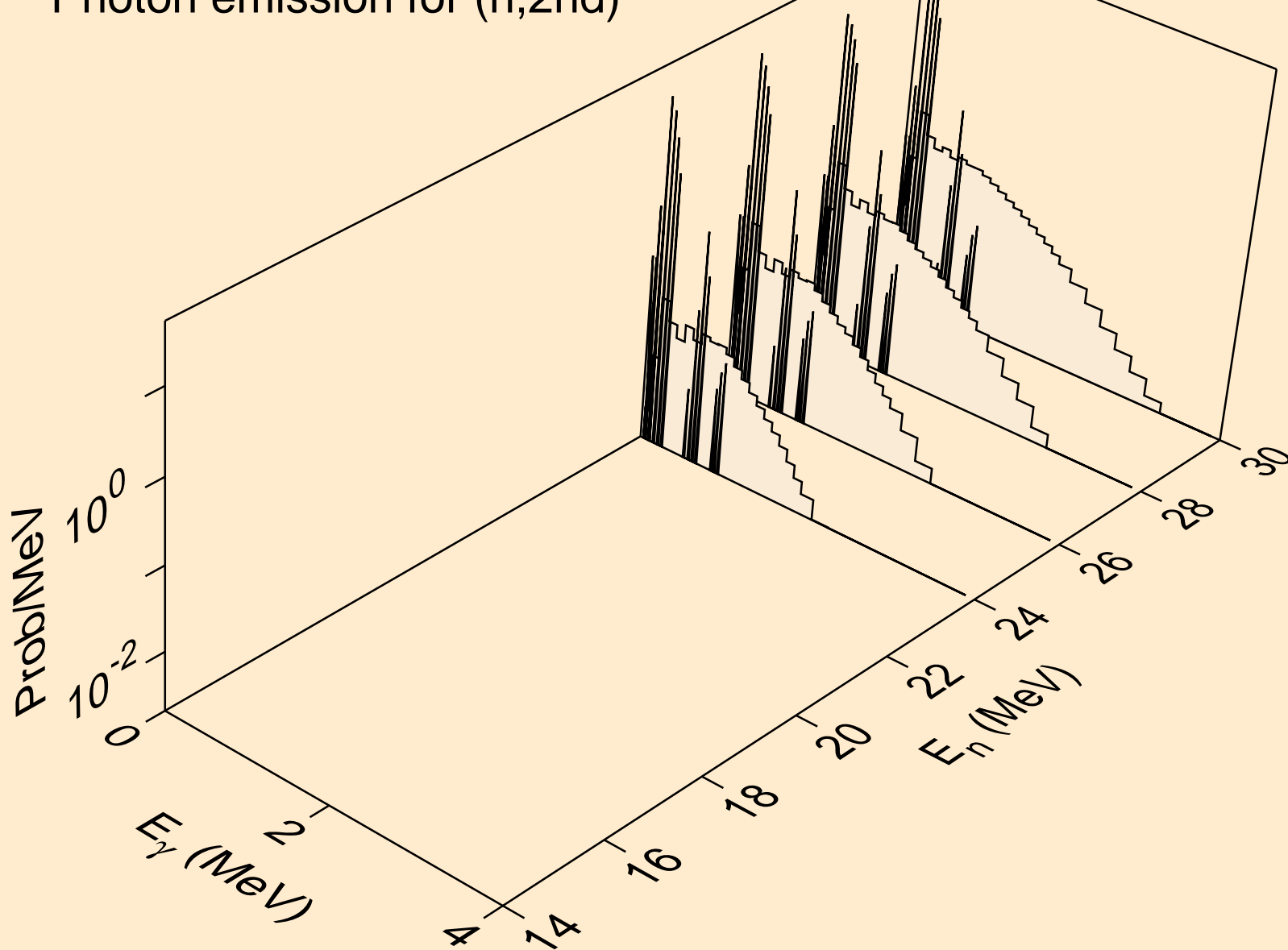
Delayed neutron spectra



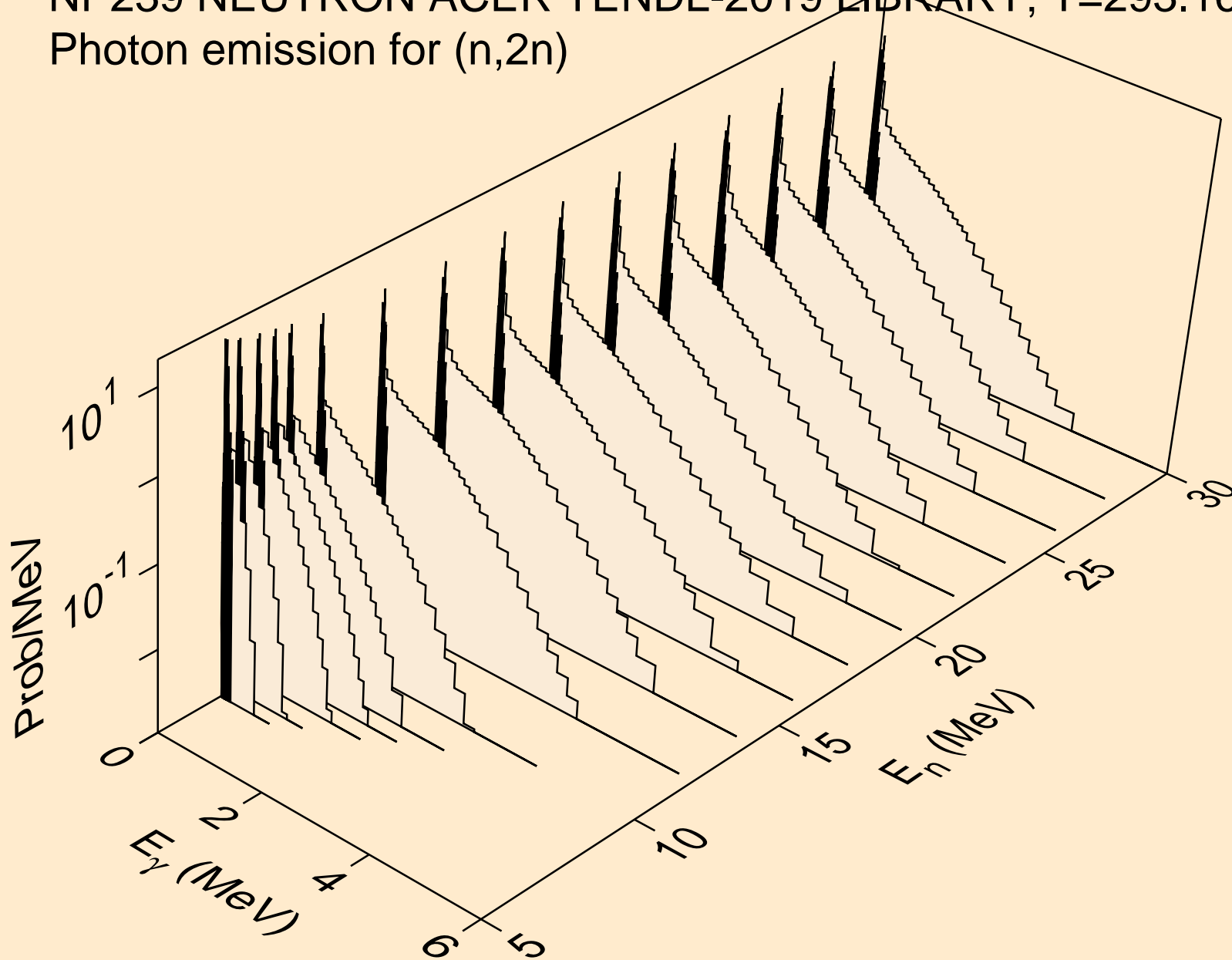
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



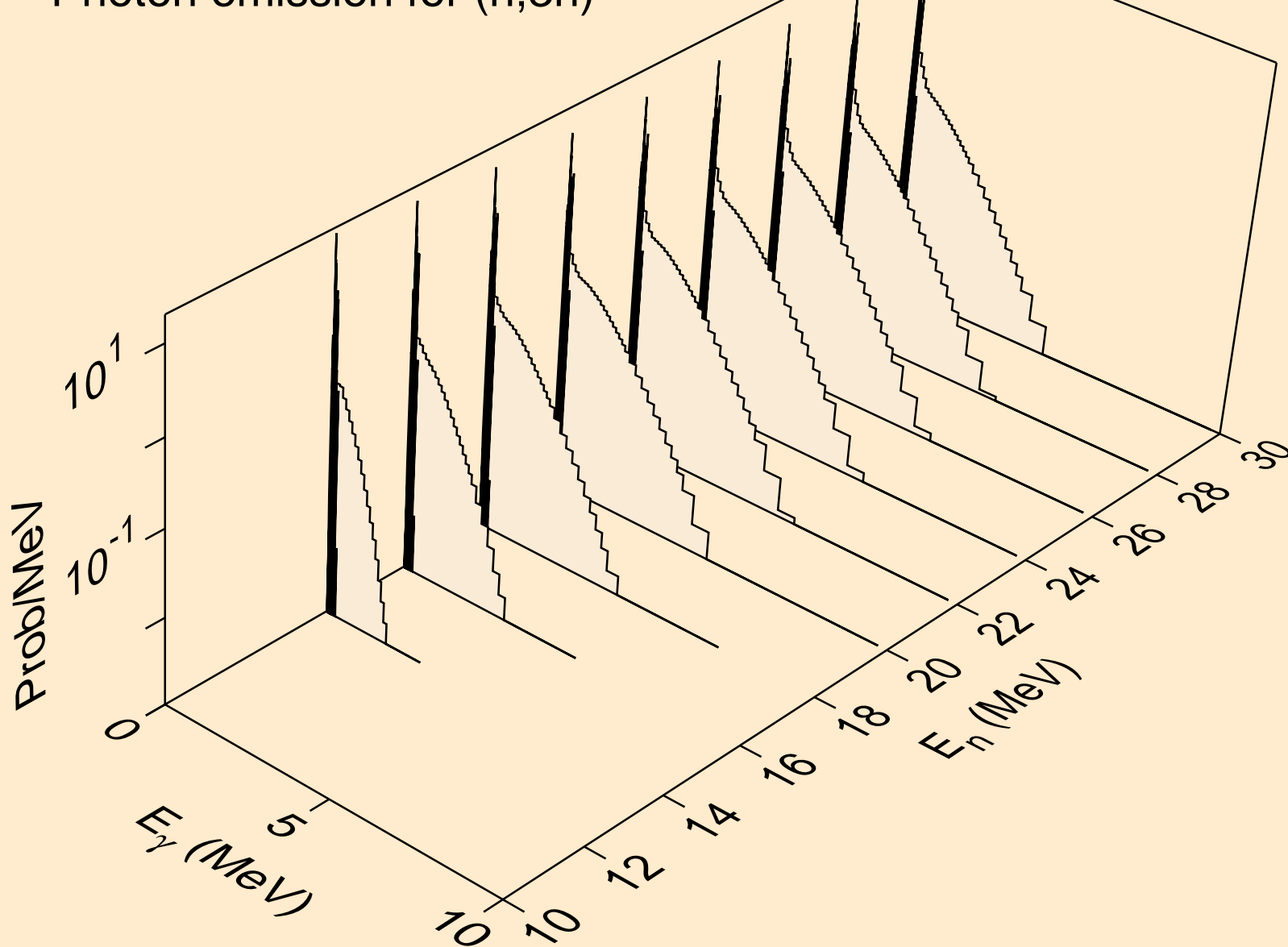
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



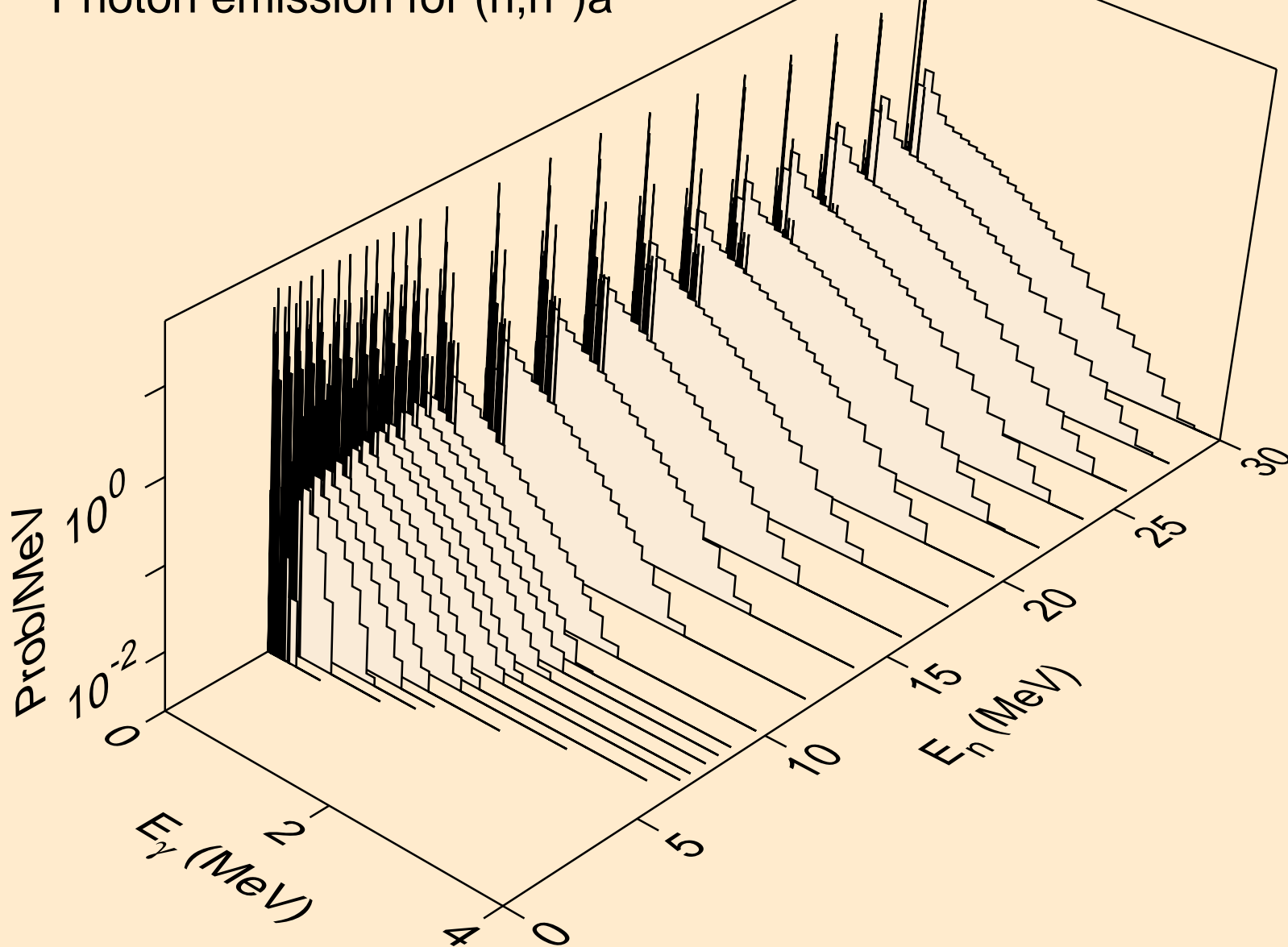
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



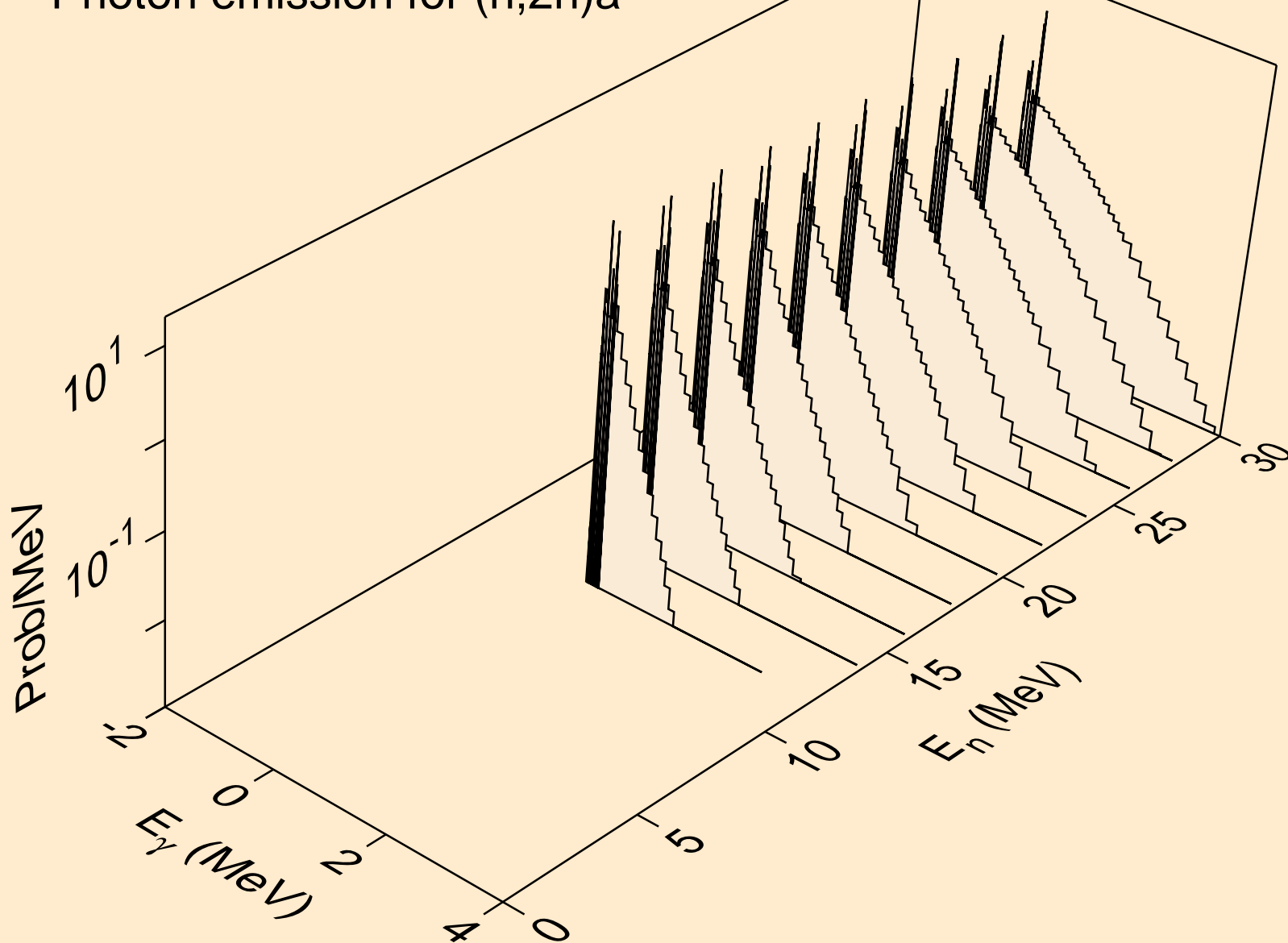
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



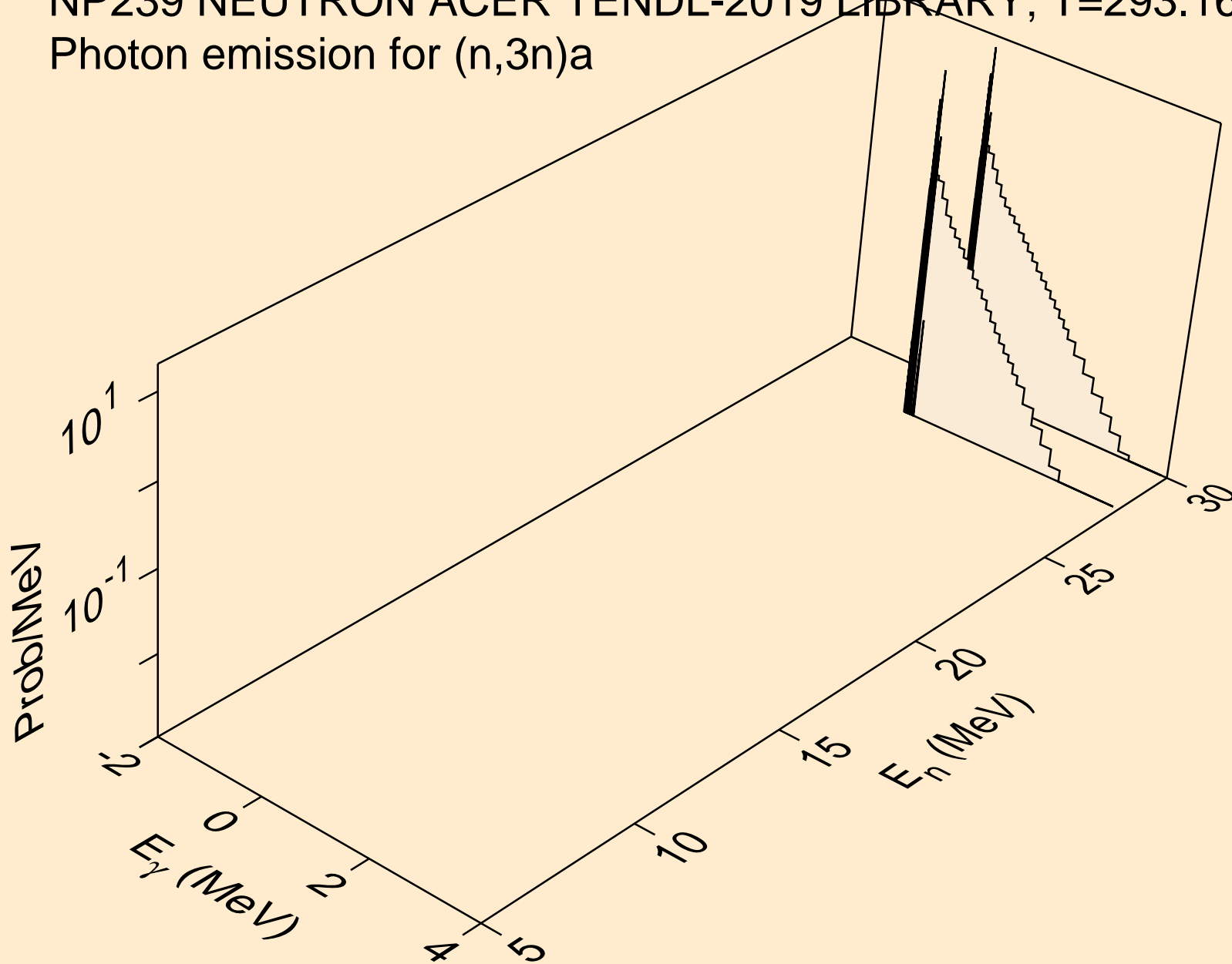
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



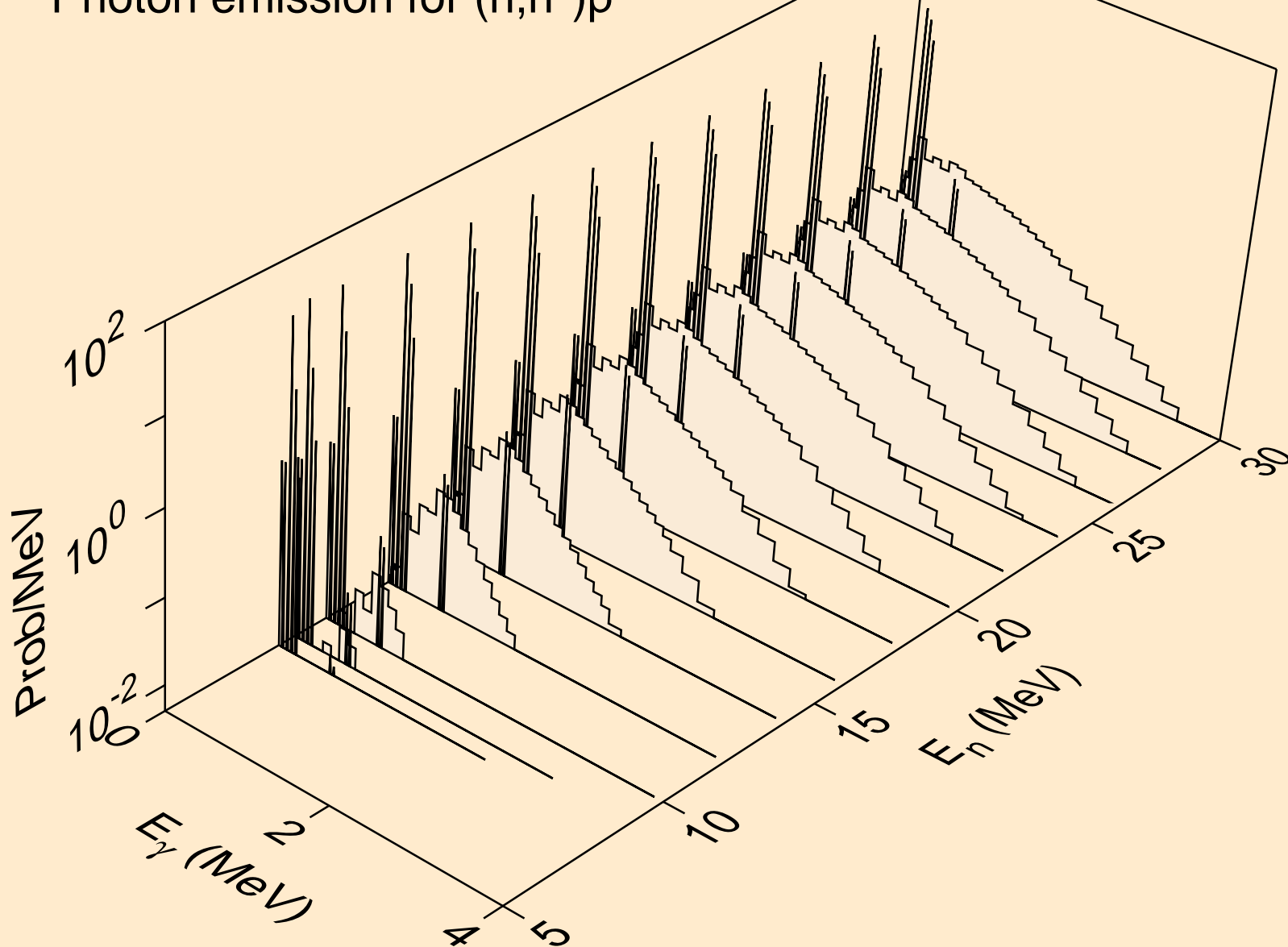
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



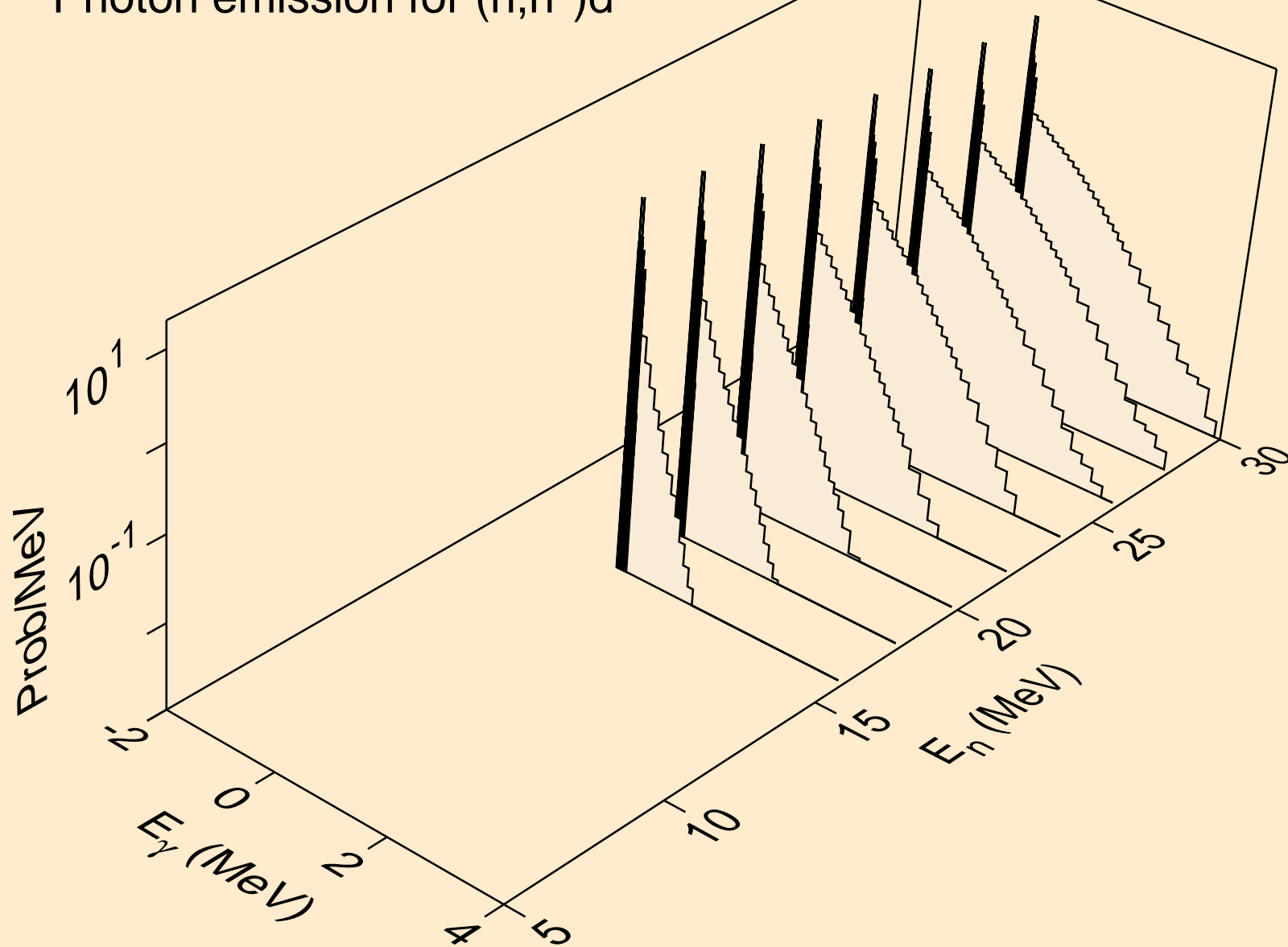
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



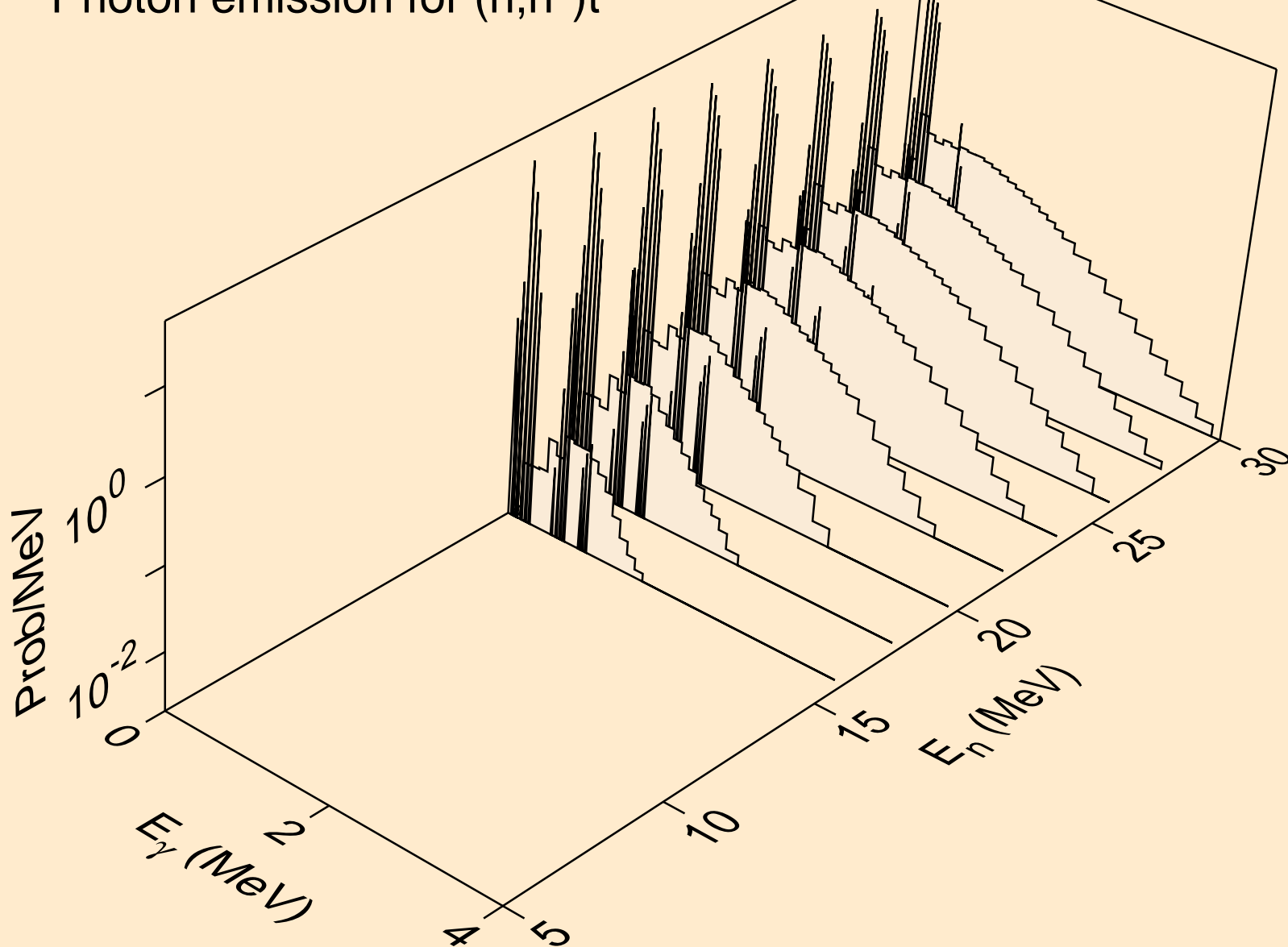
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



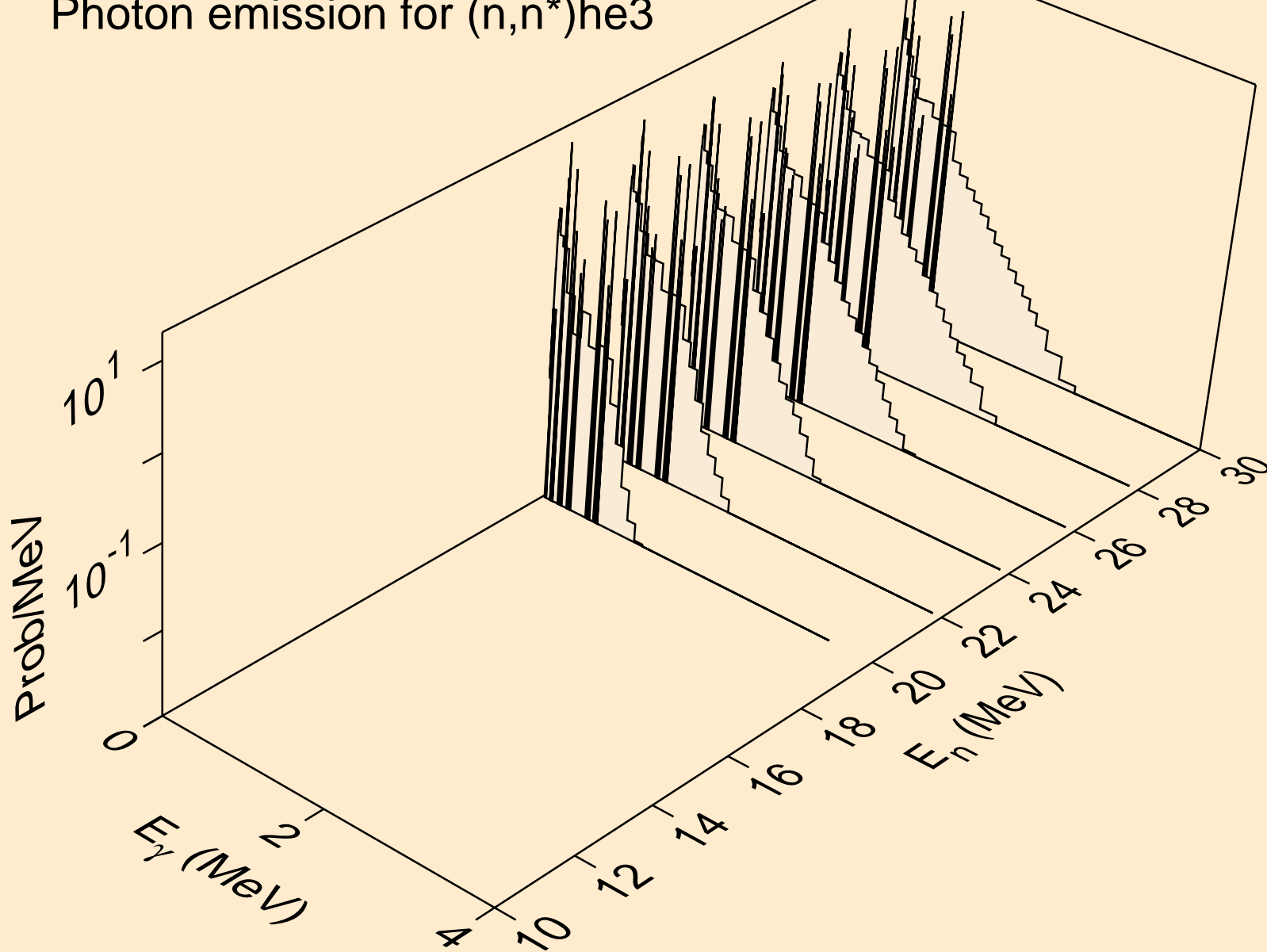
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



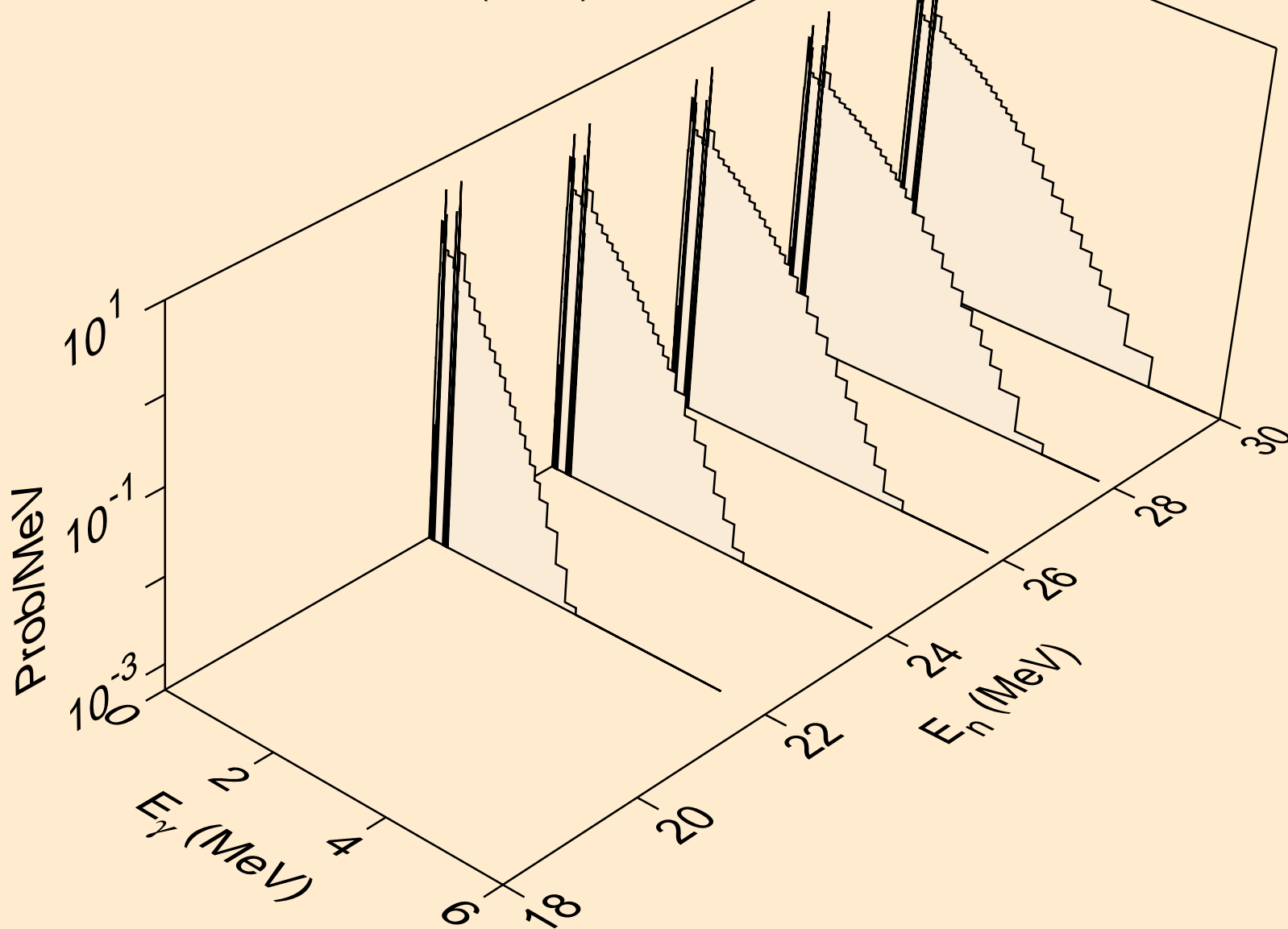
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



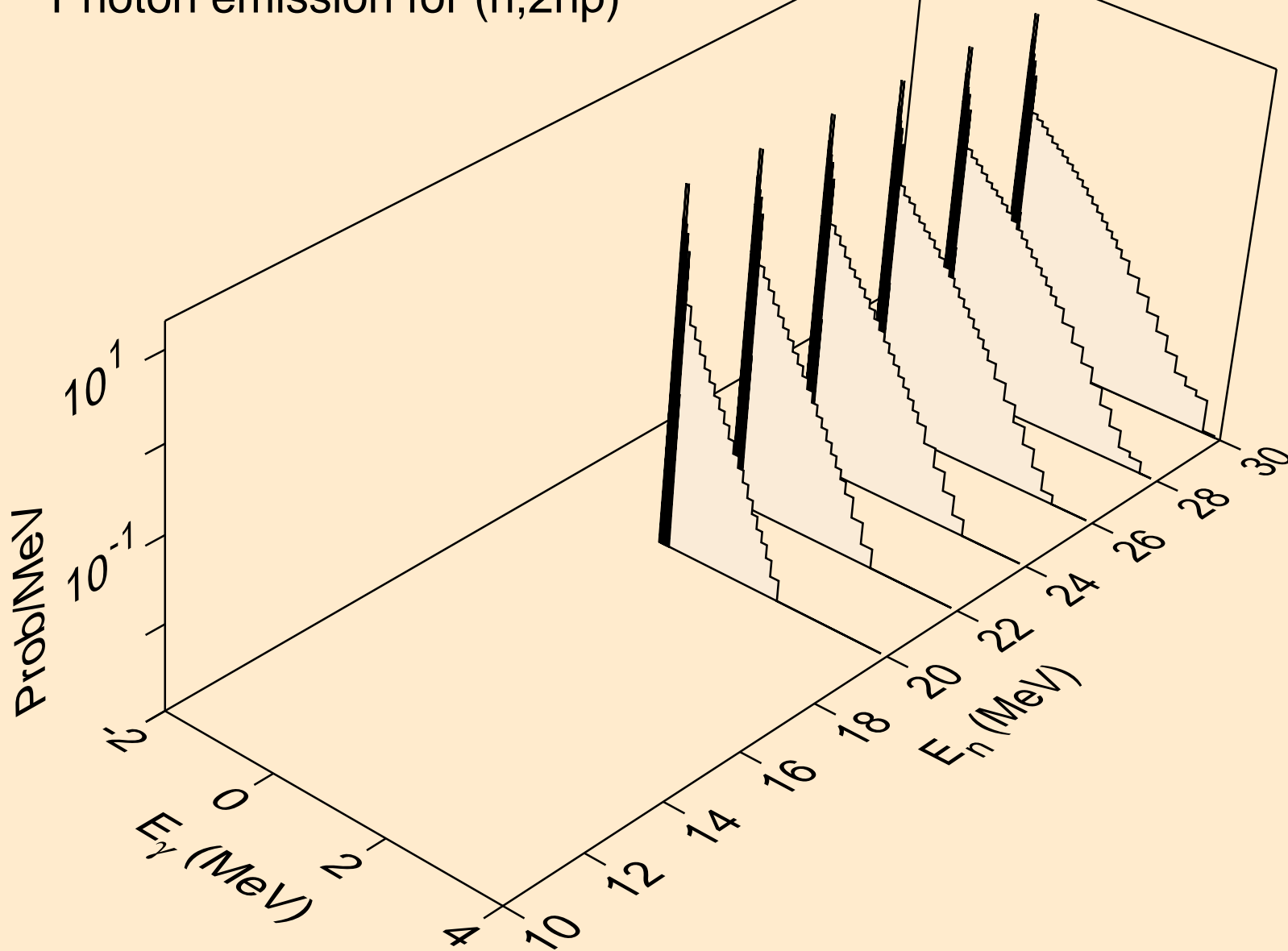
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



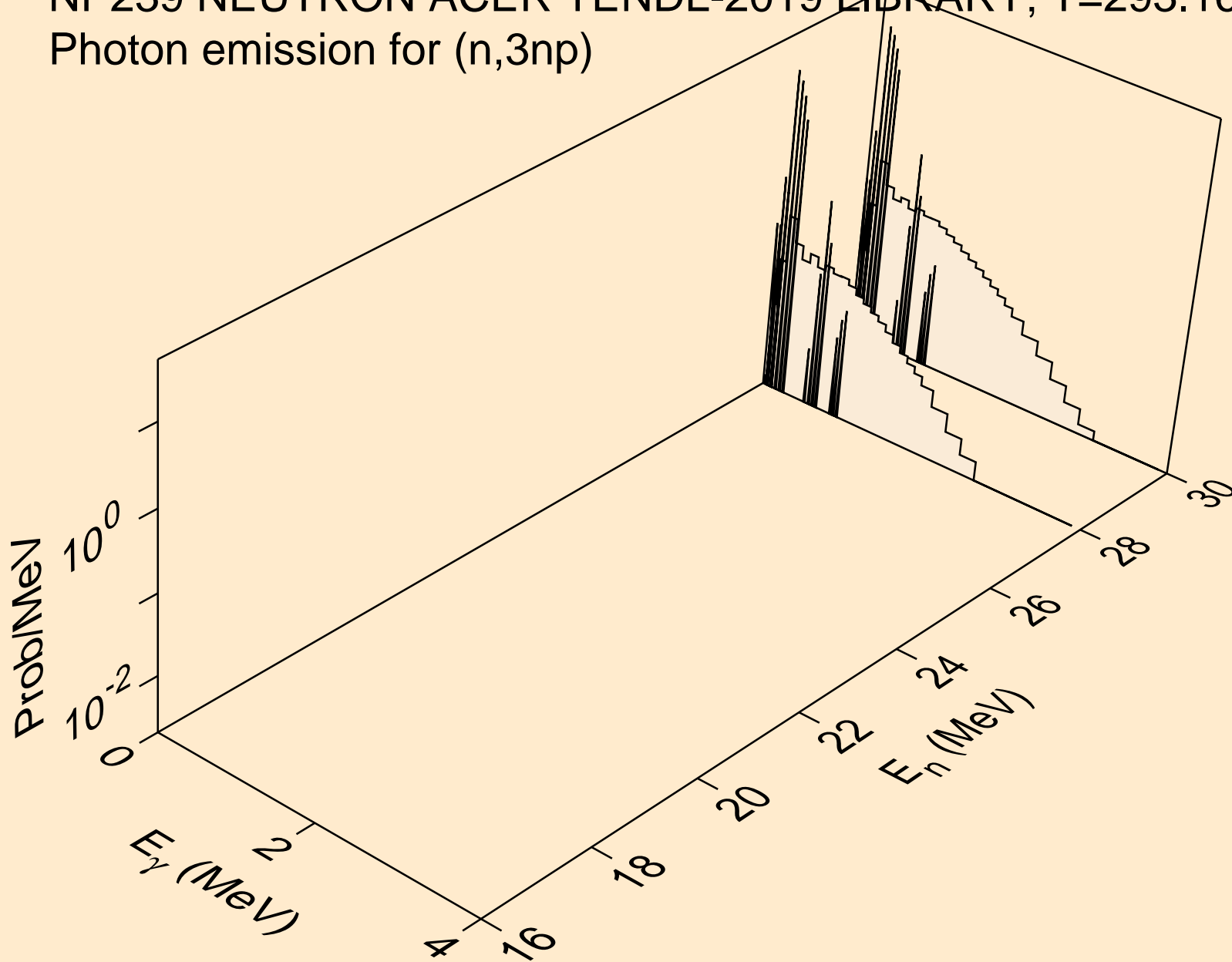
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



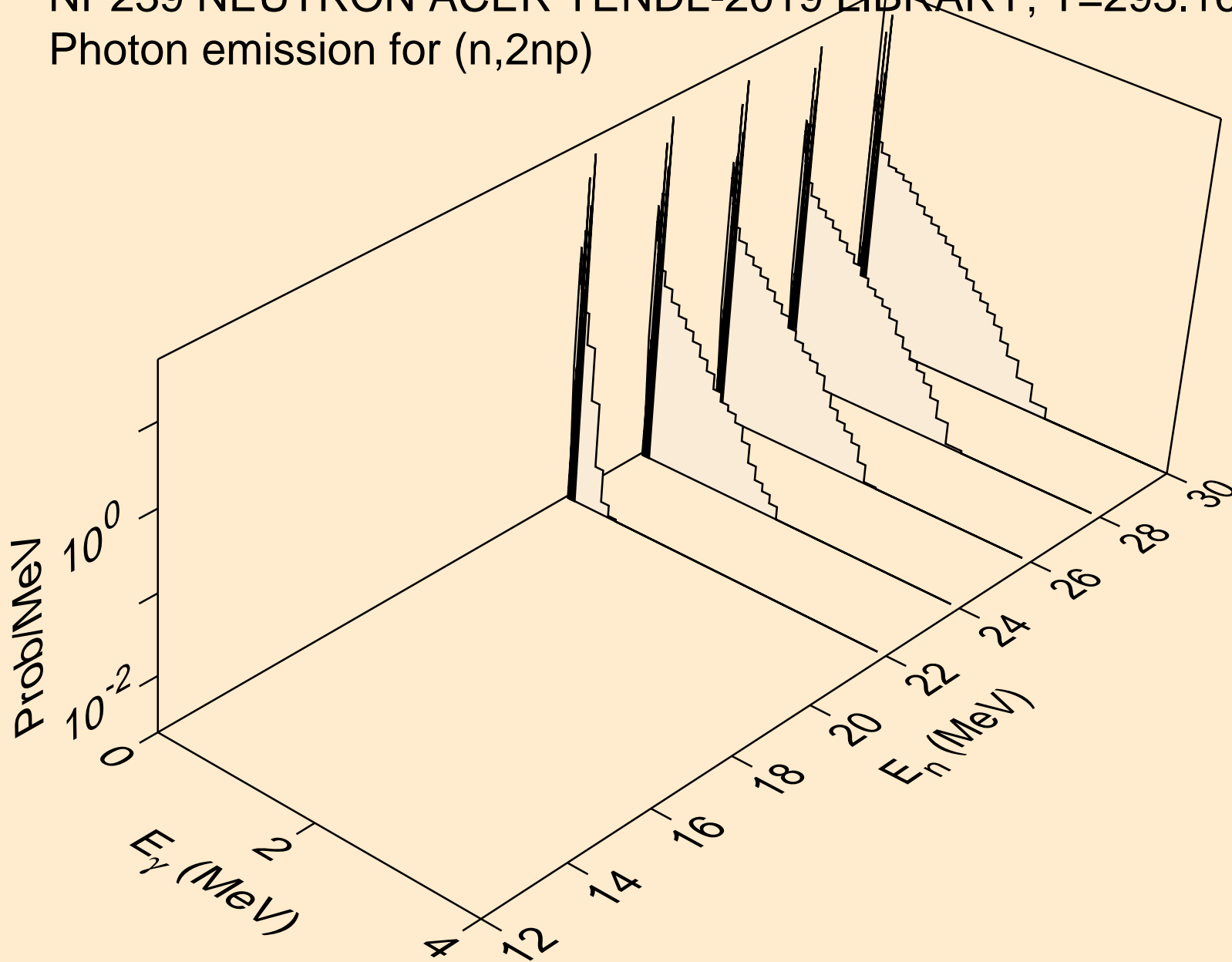
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



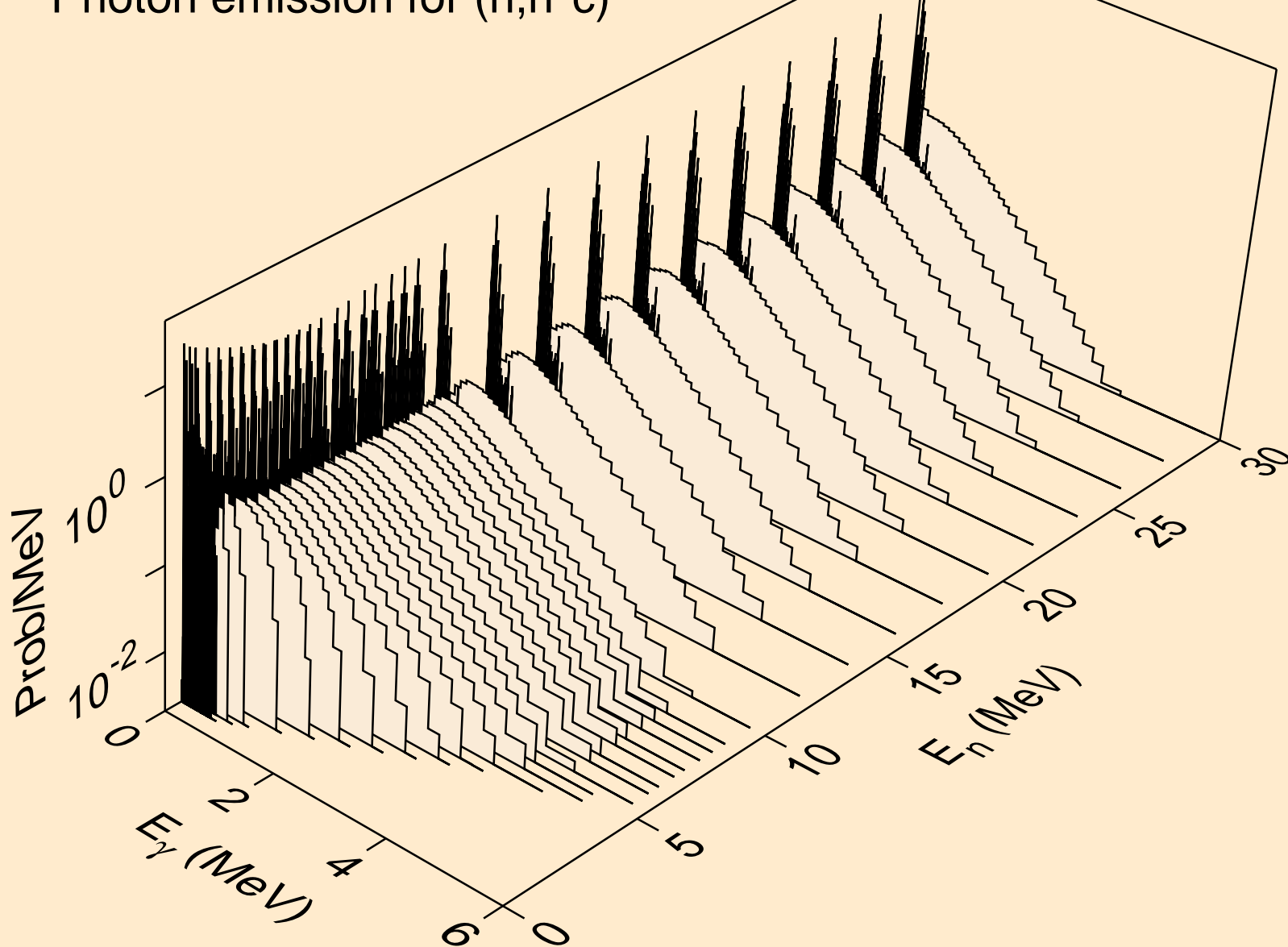
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



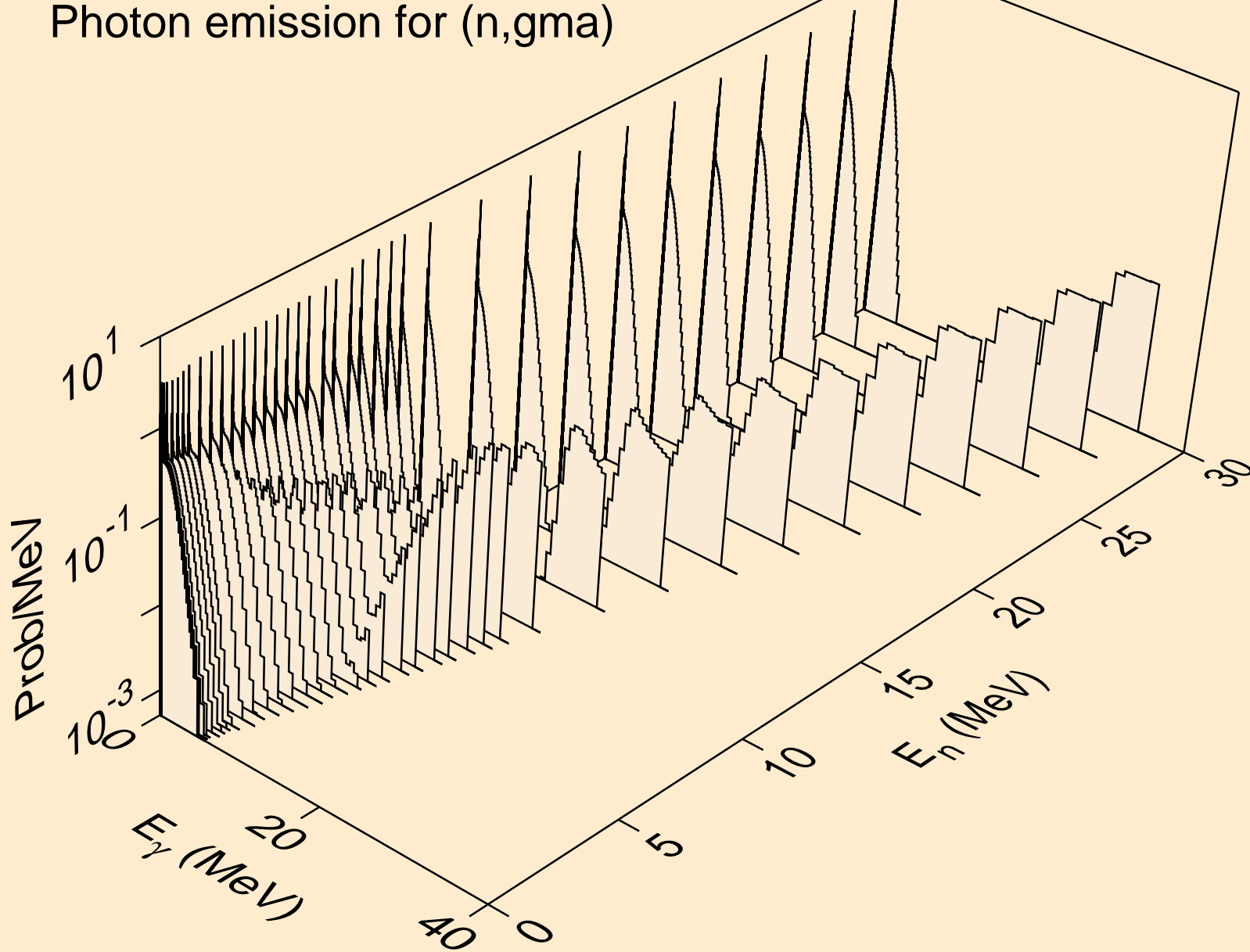
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



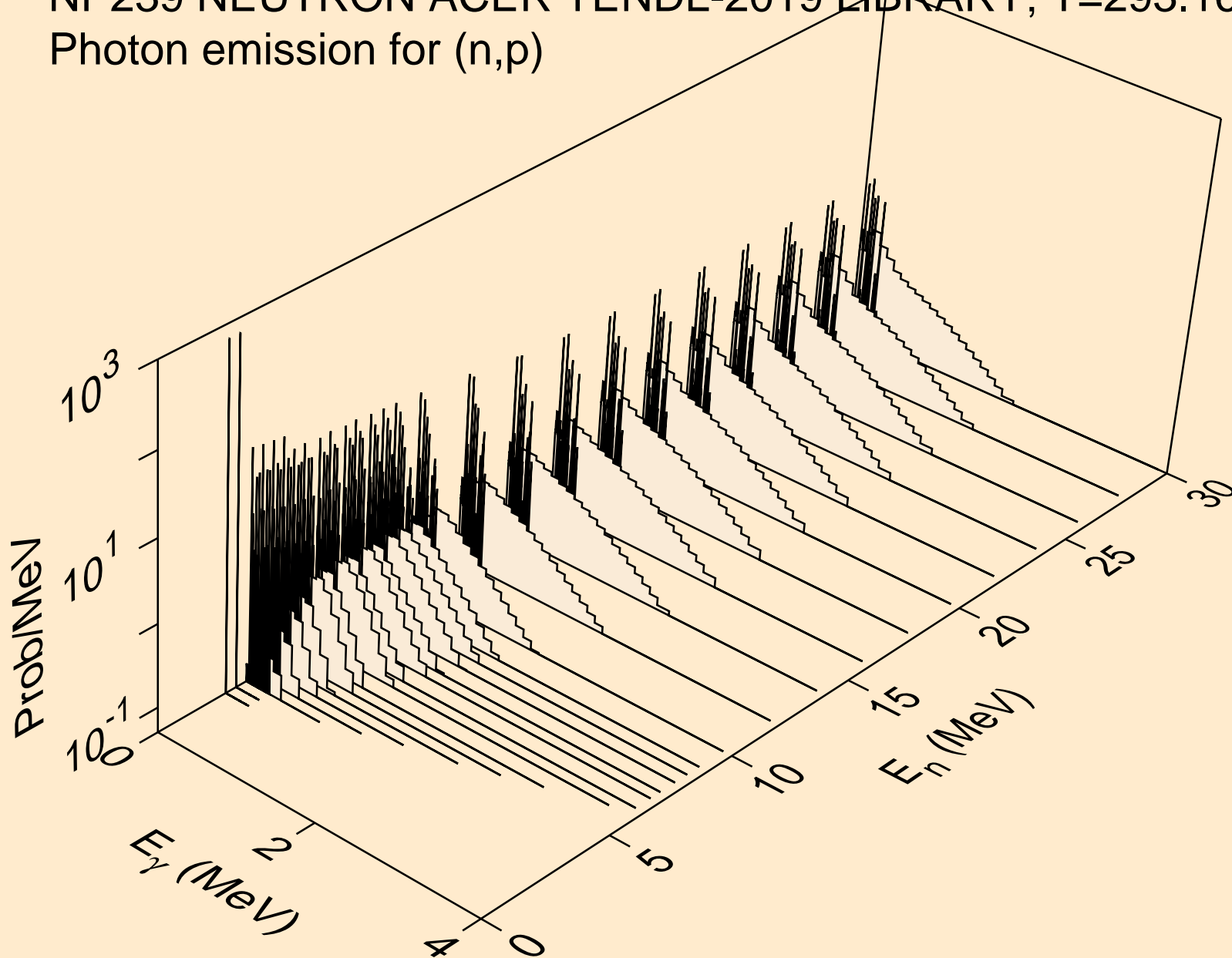
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



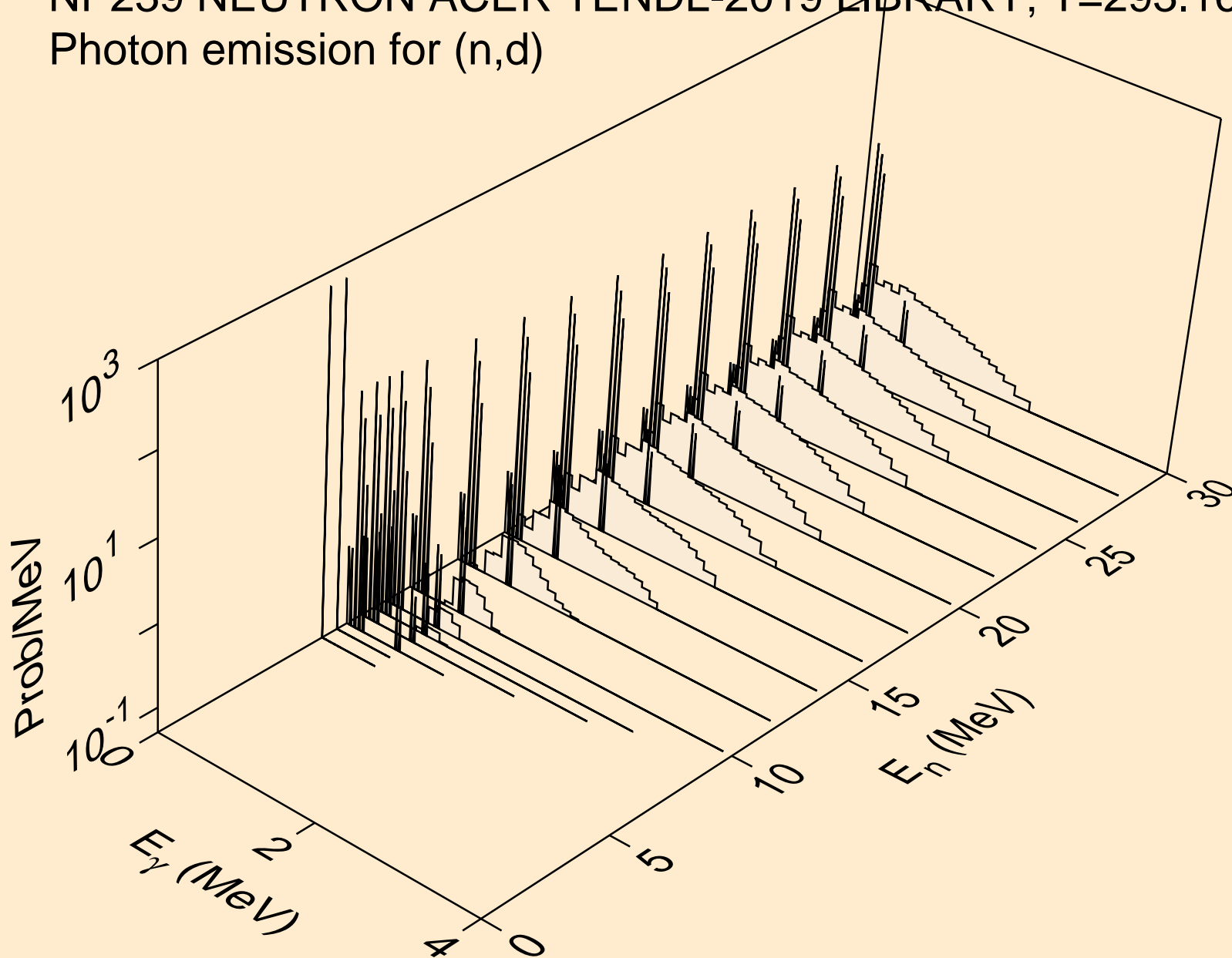
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



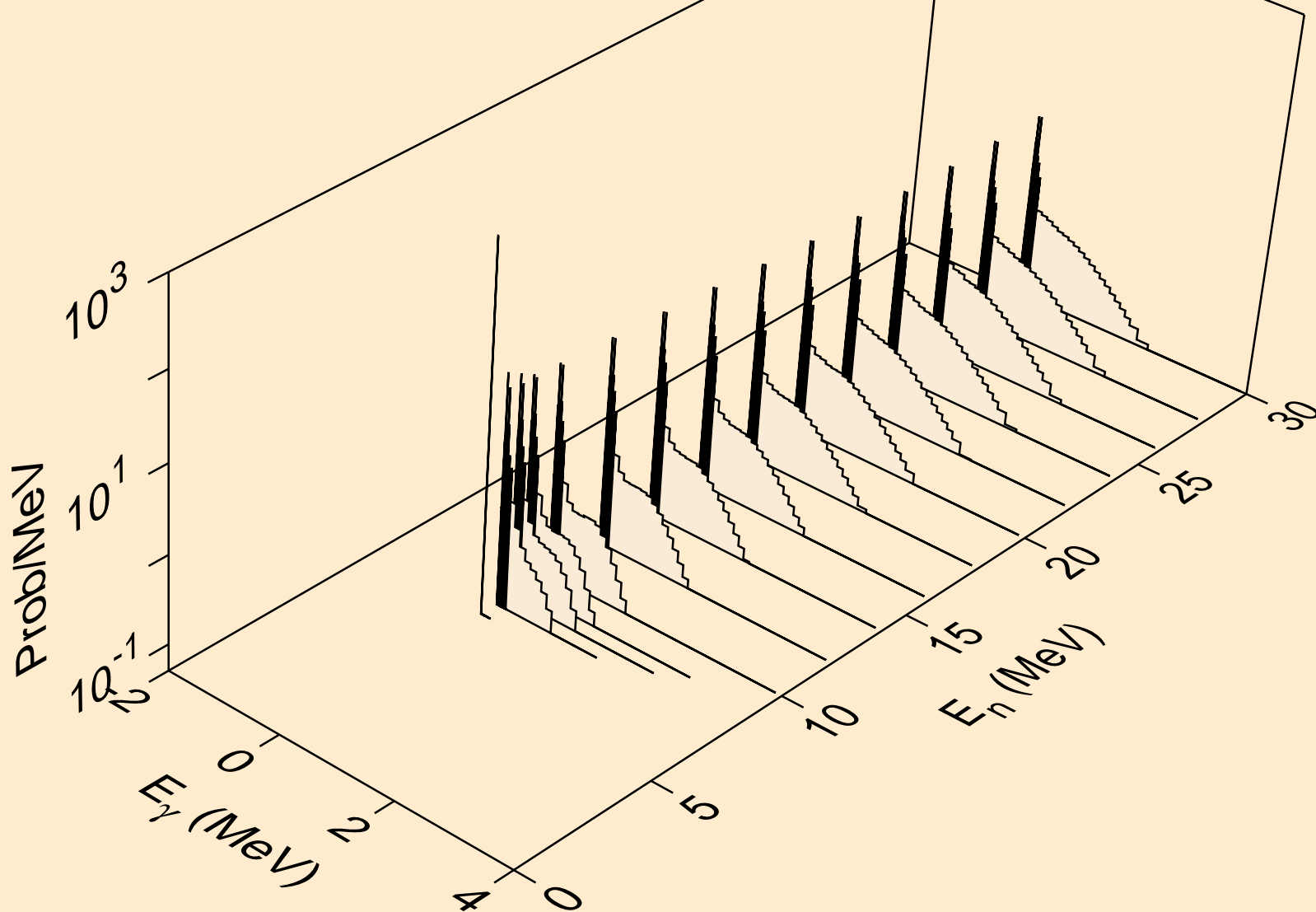
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



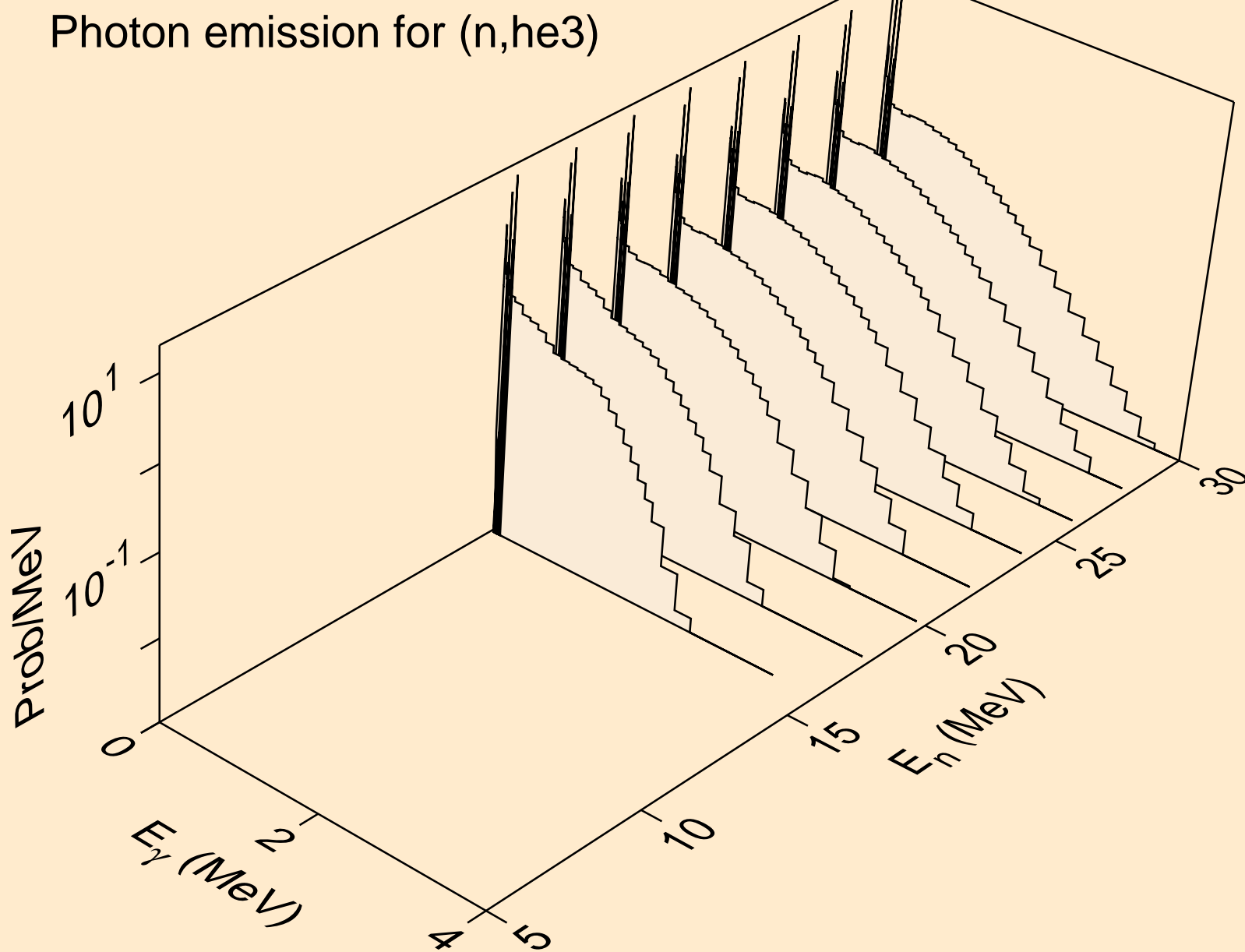
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



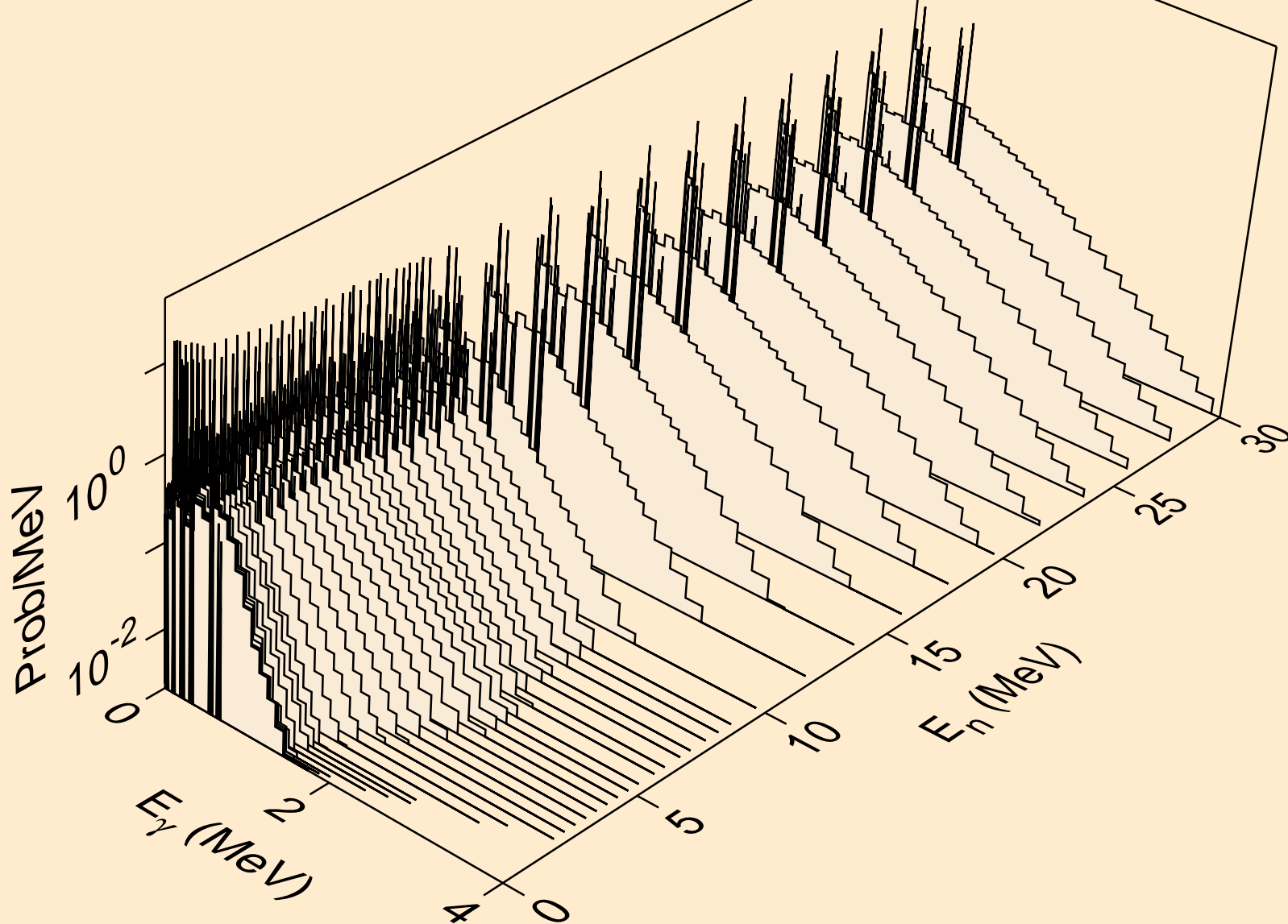
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



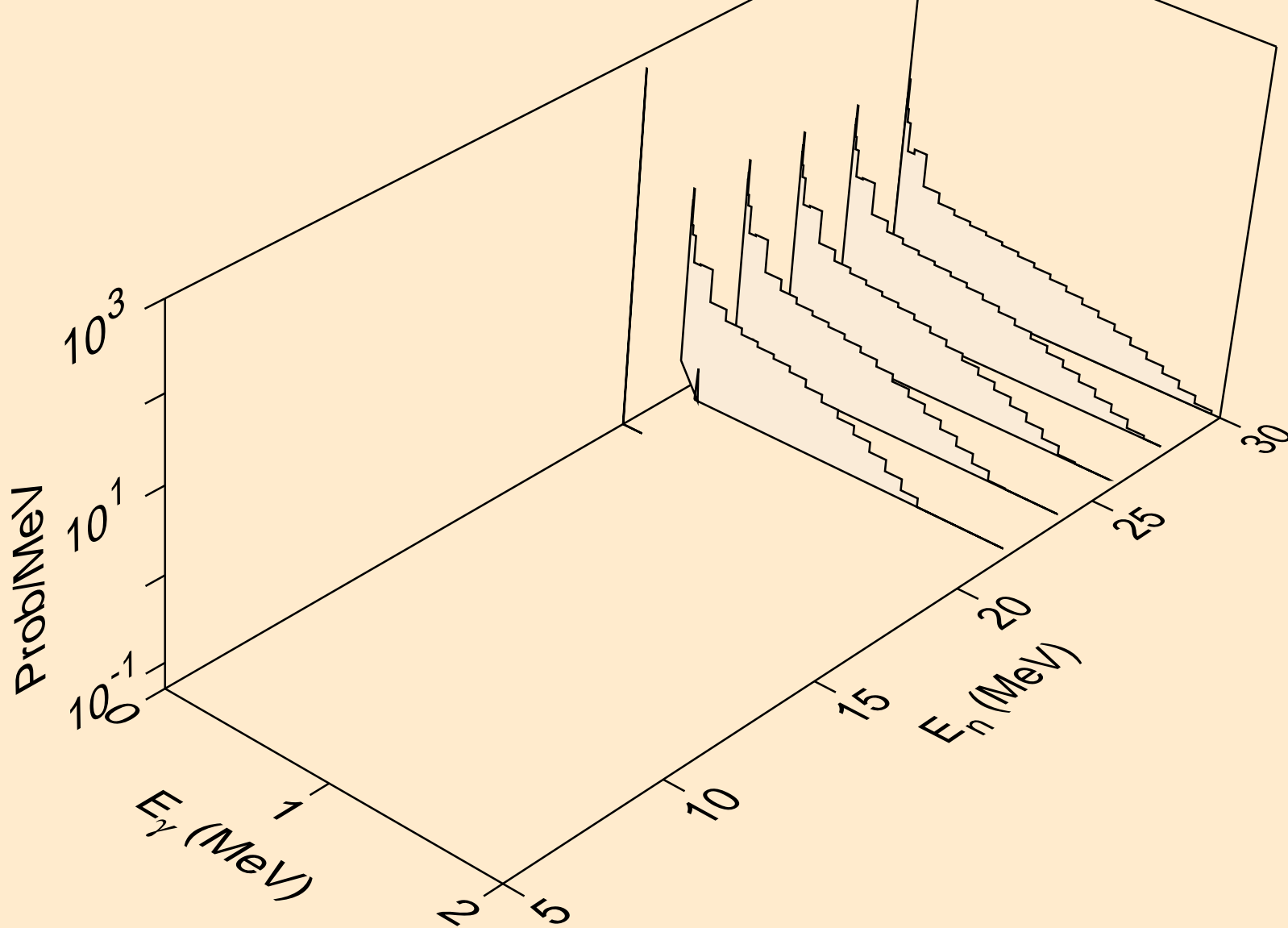
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



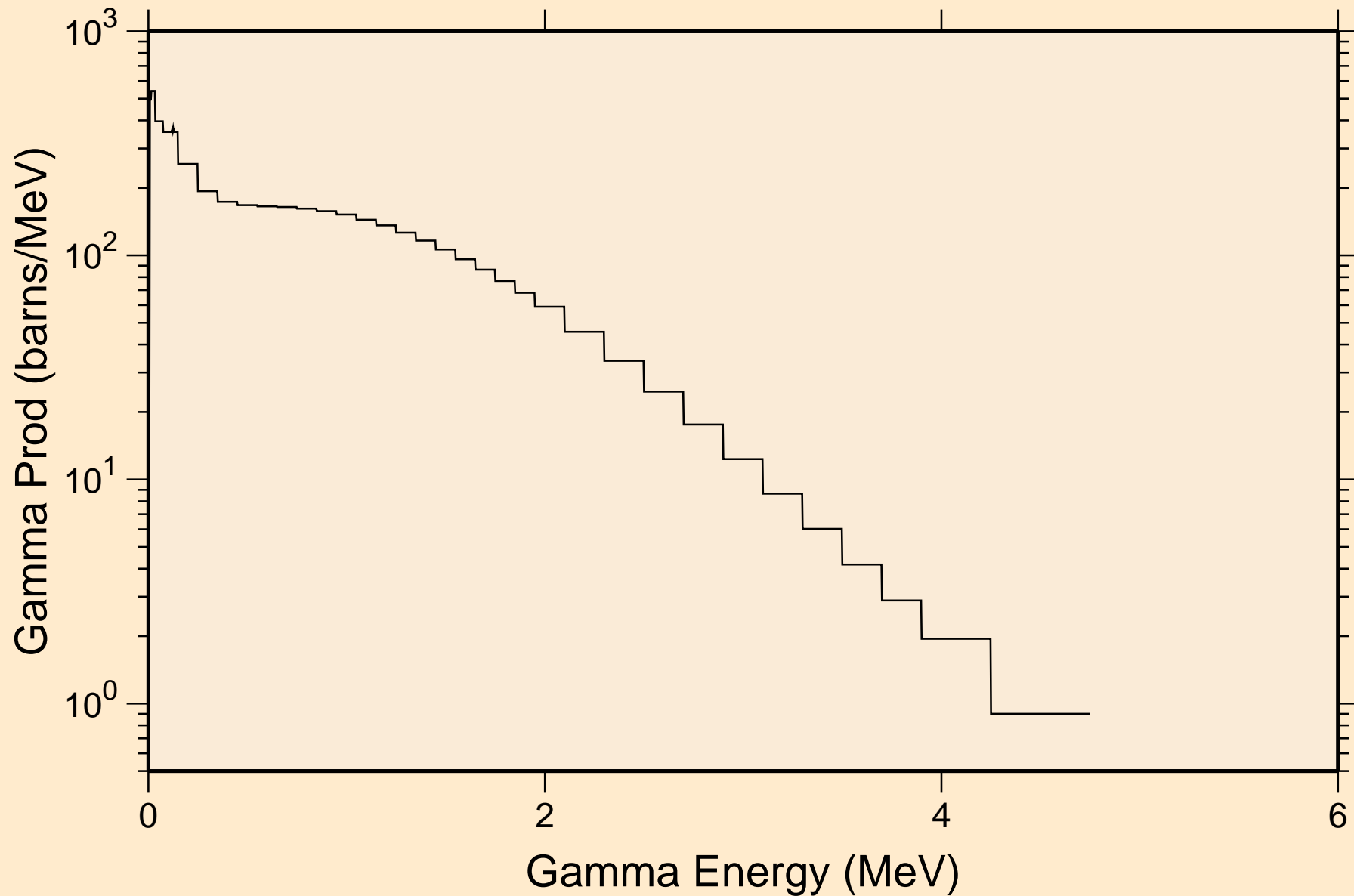
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



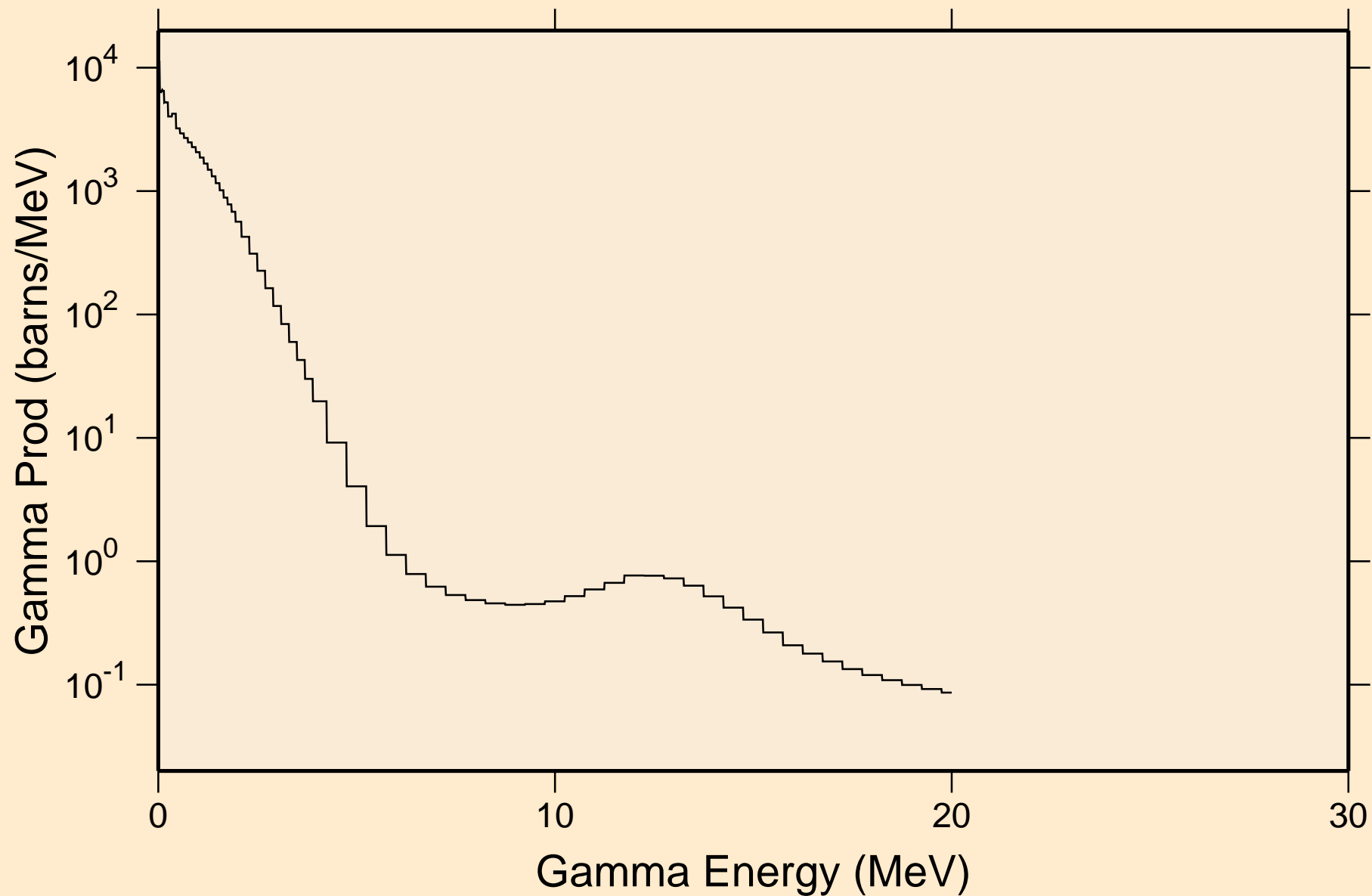
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

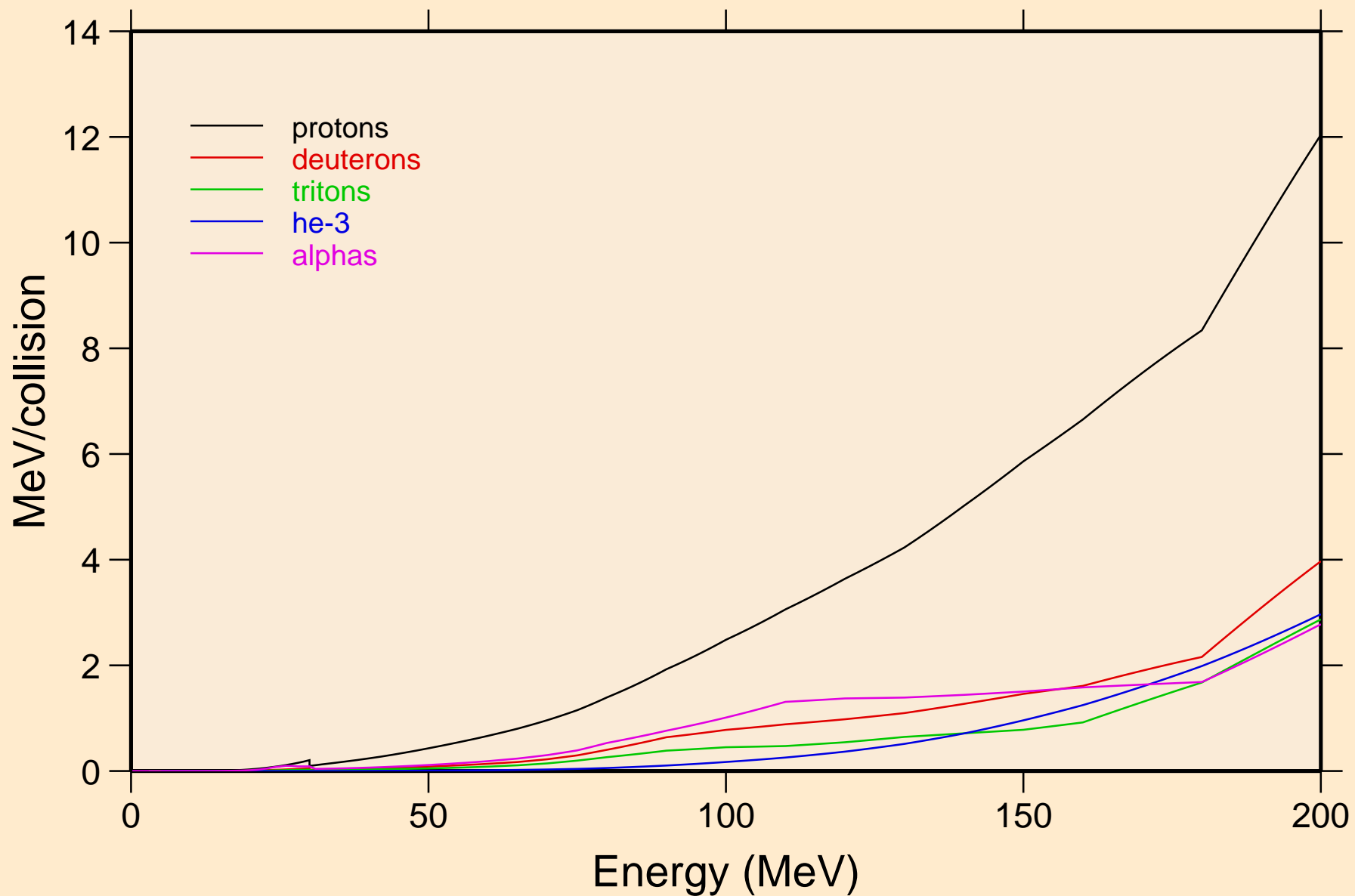


NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

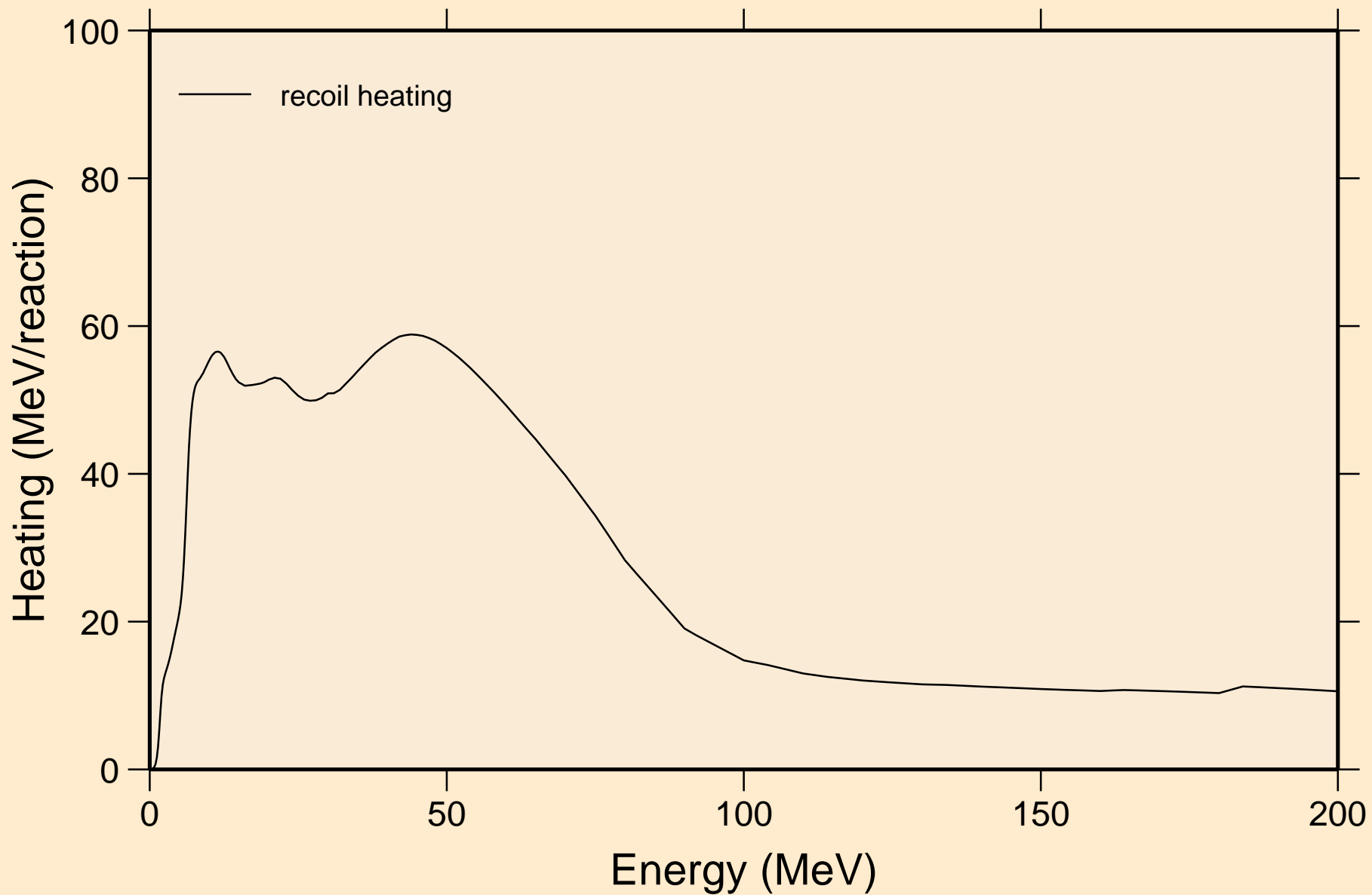


NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

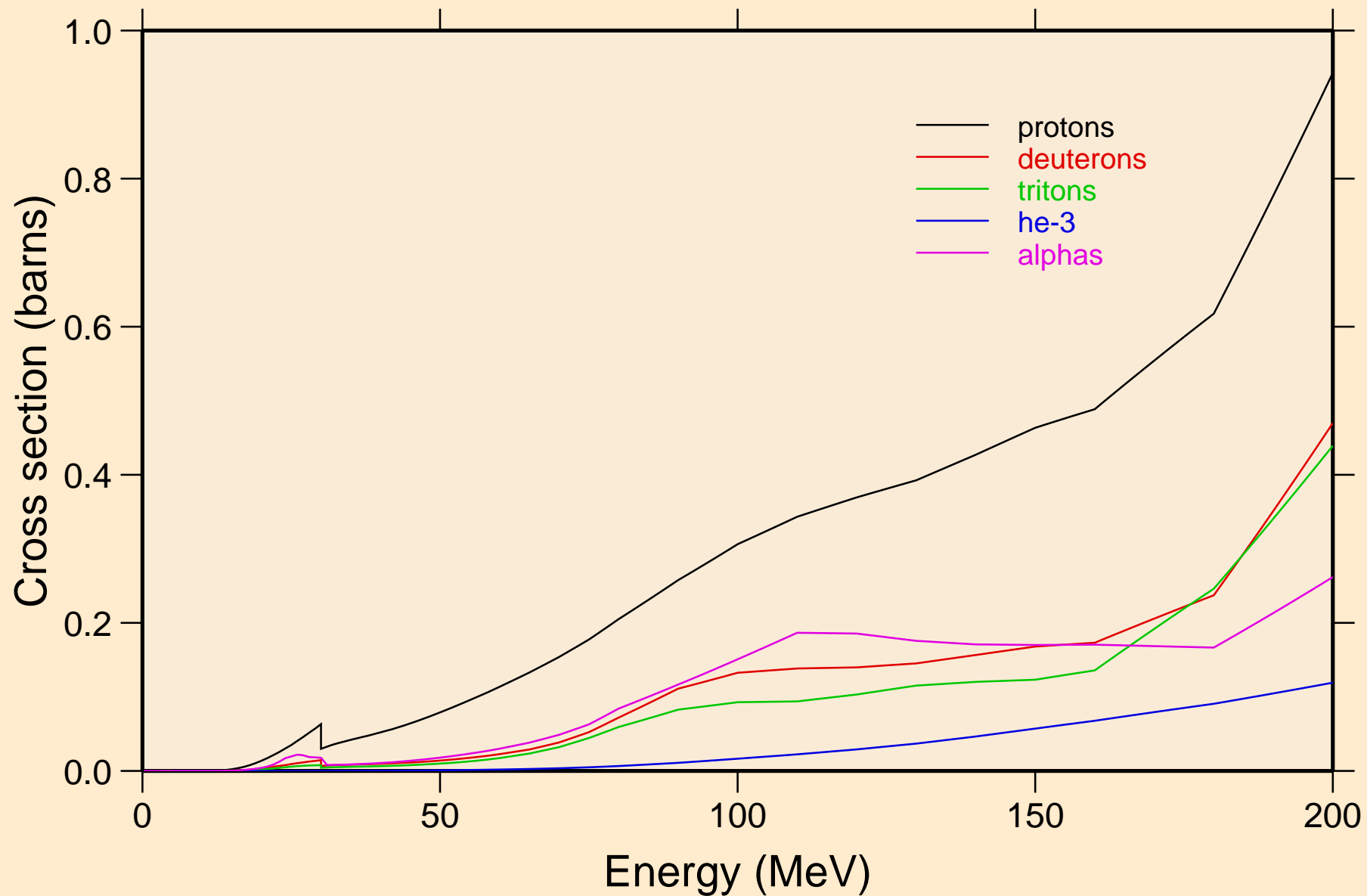
Particle heating contributions



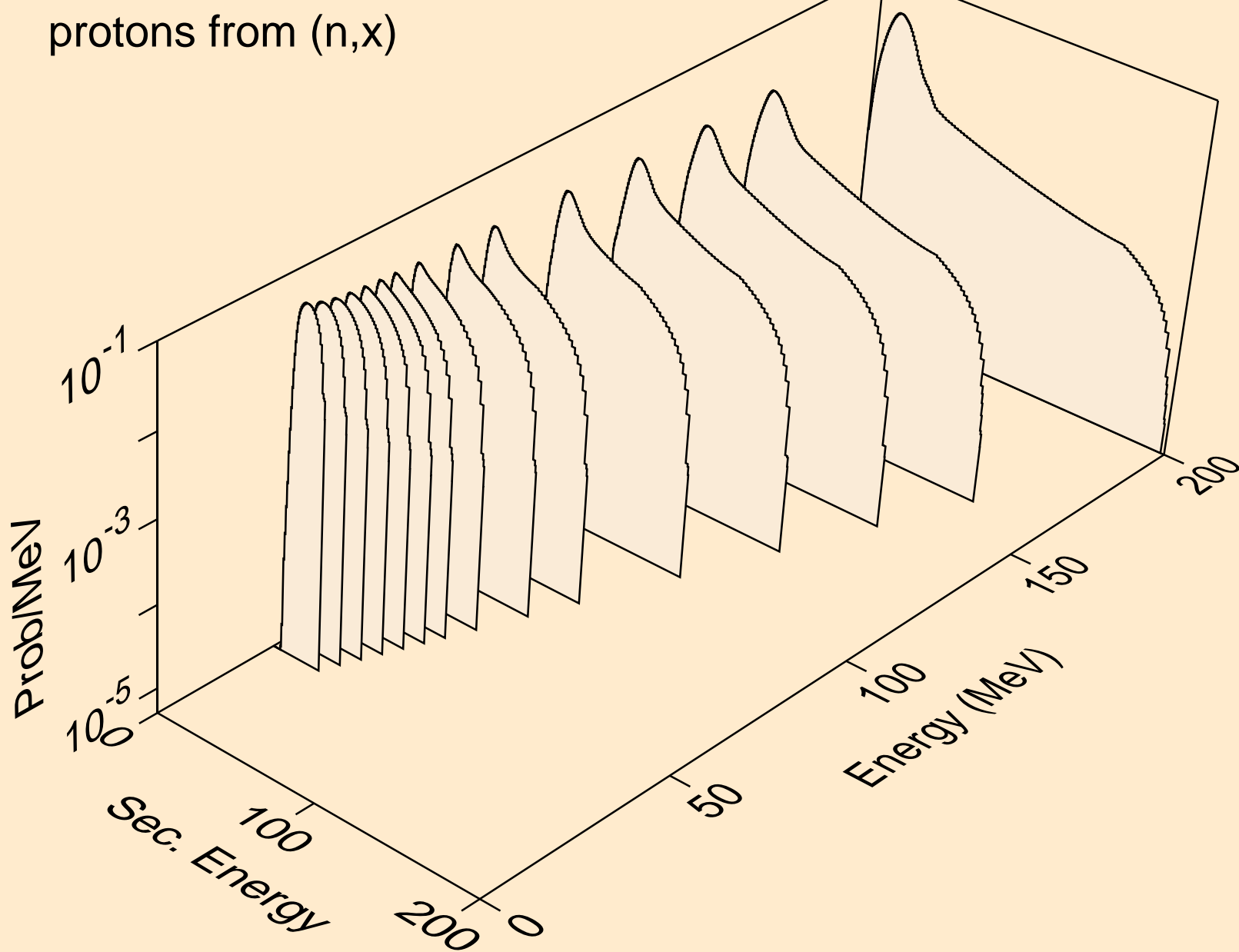
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



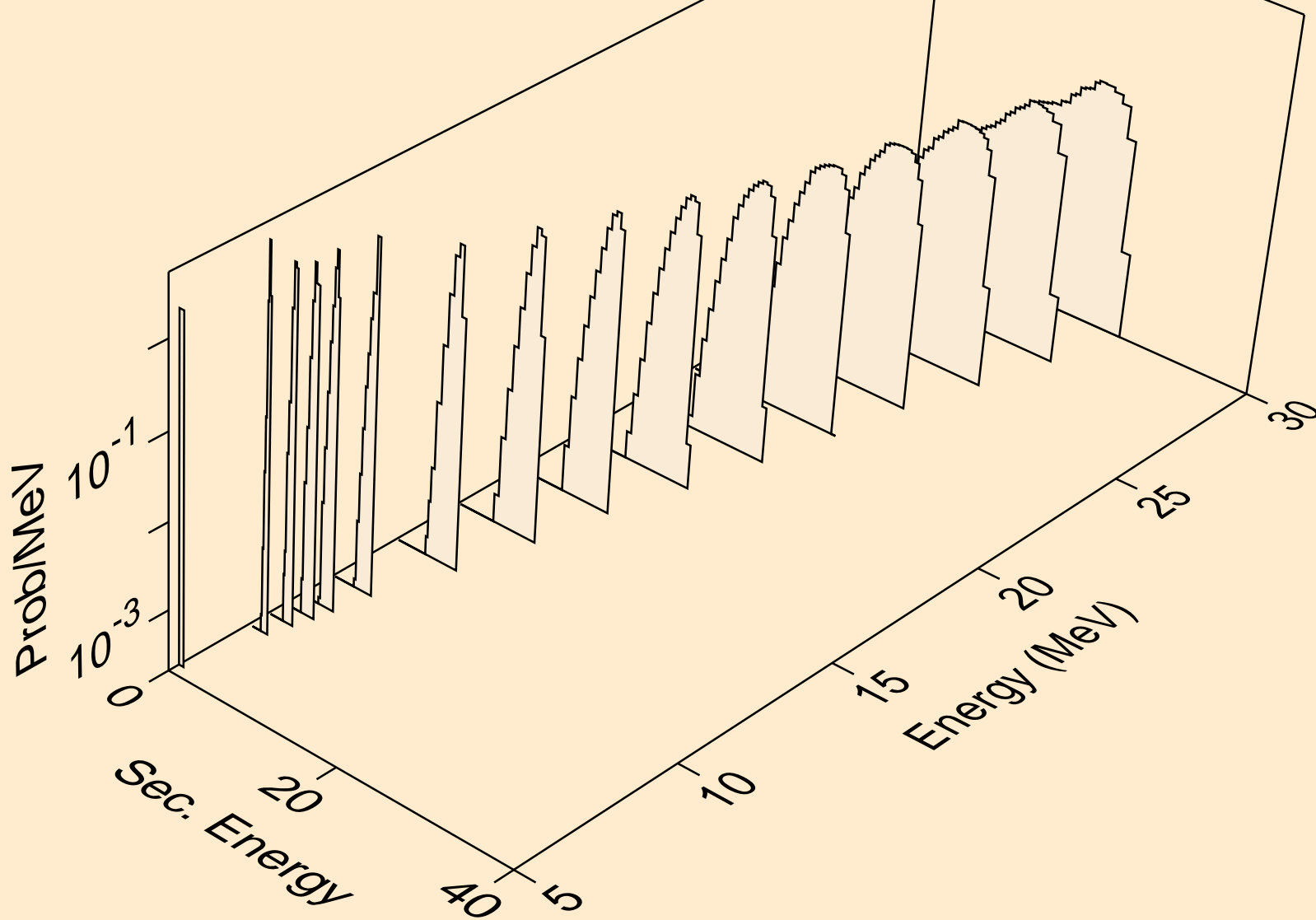
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



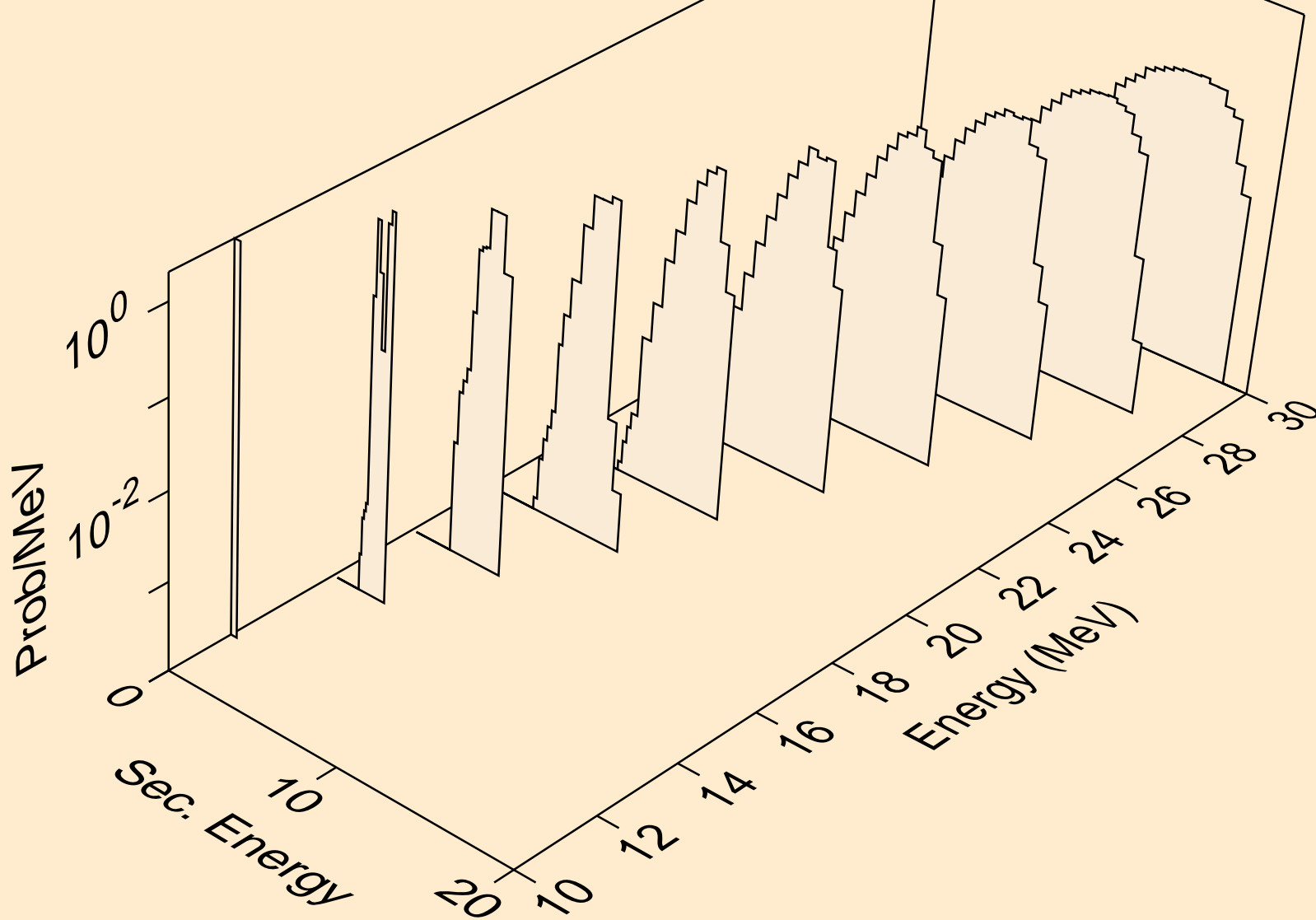
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



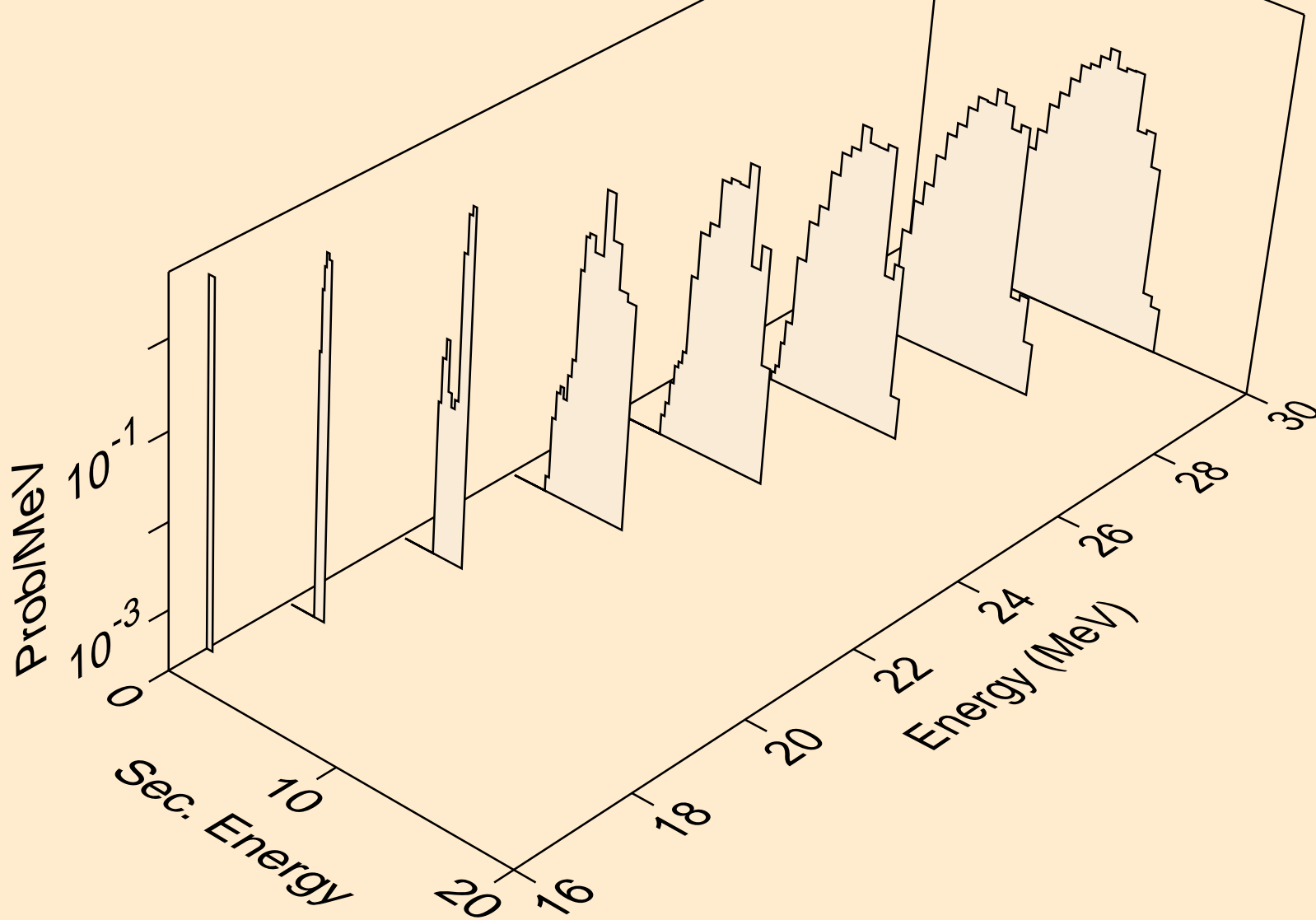
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



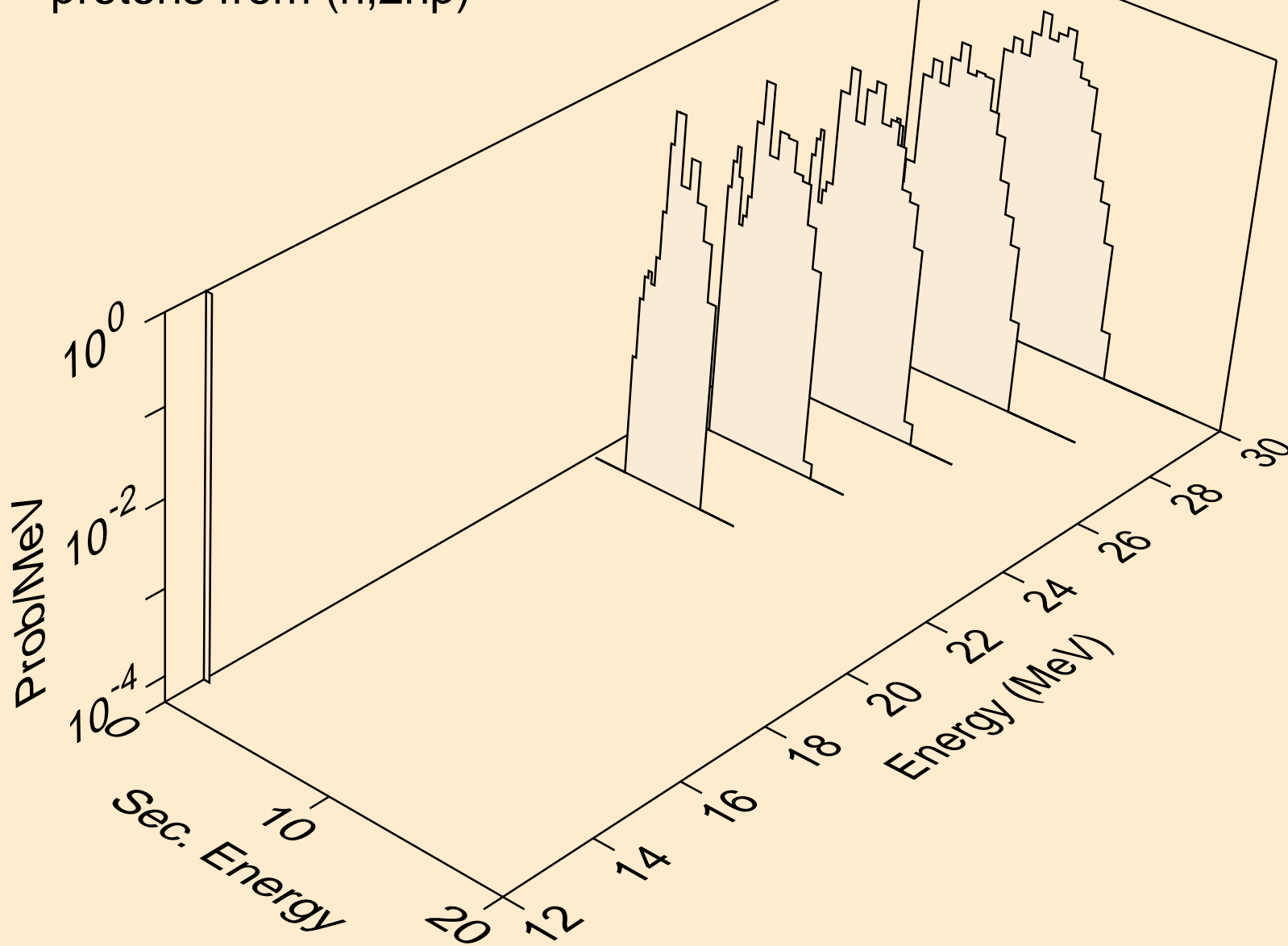
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



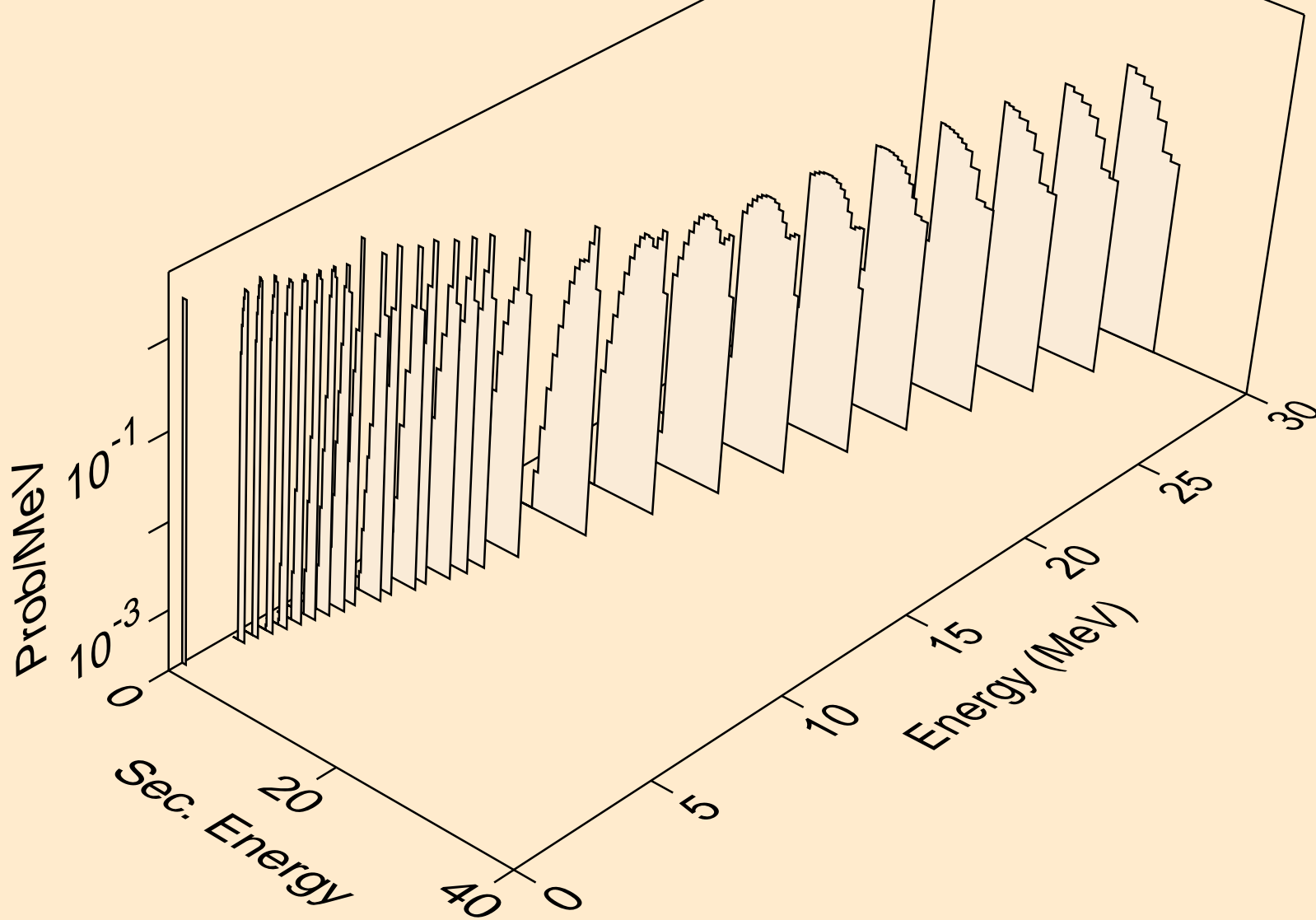
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



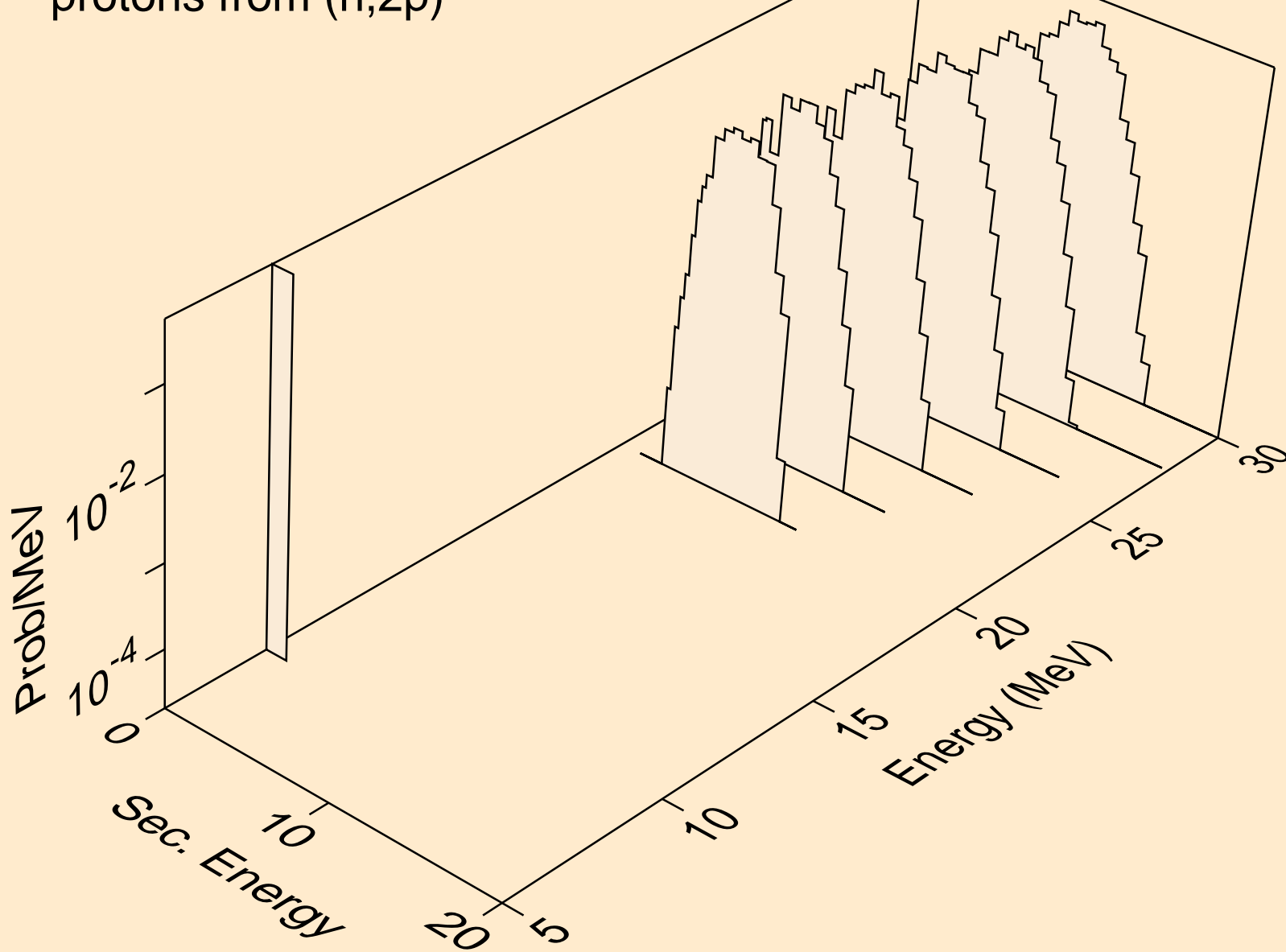
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



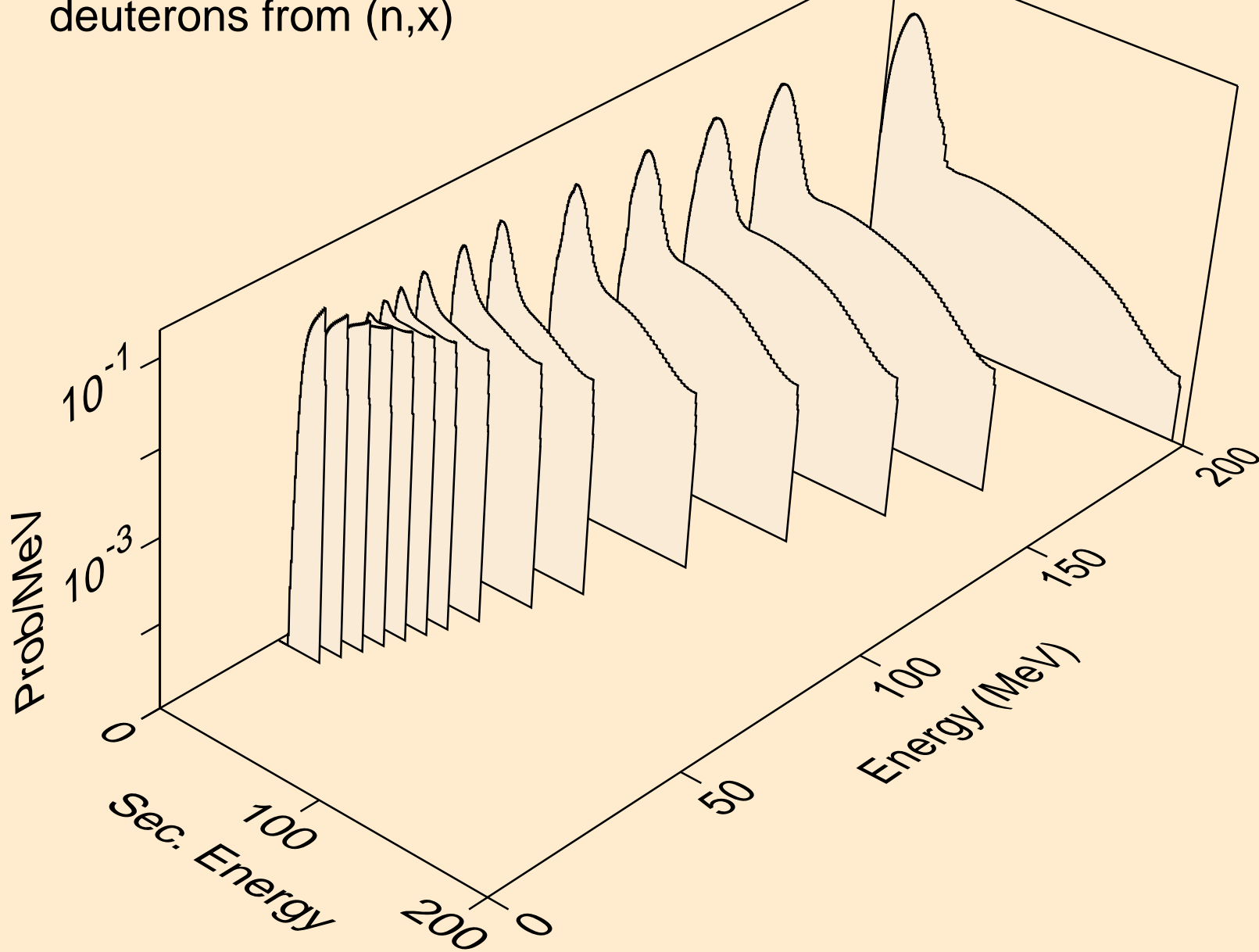
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



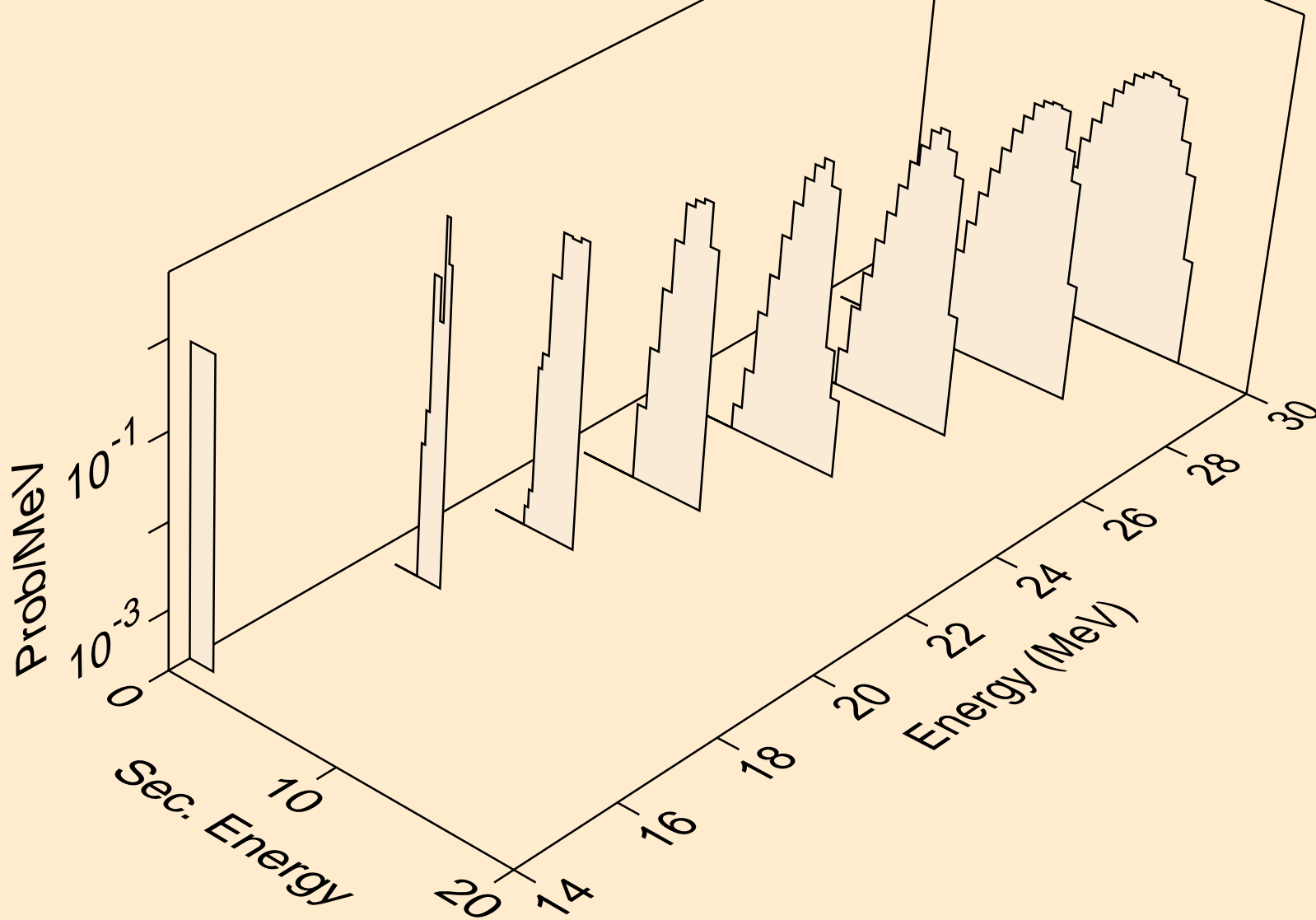
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



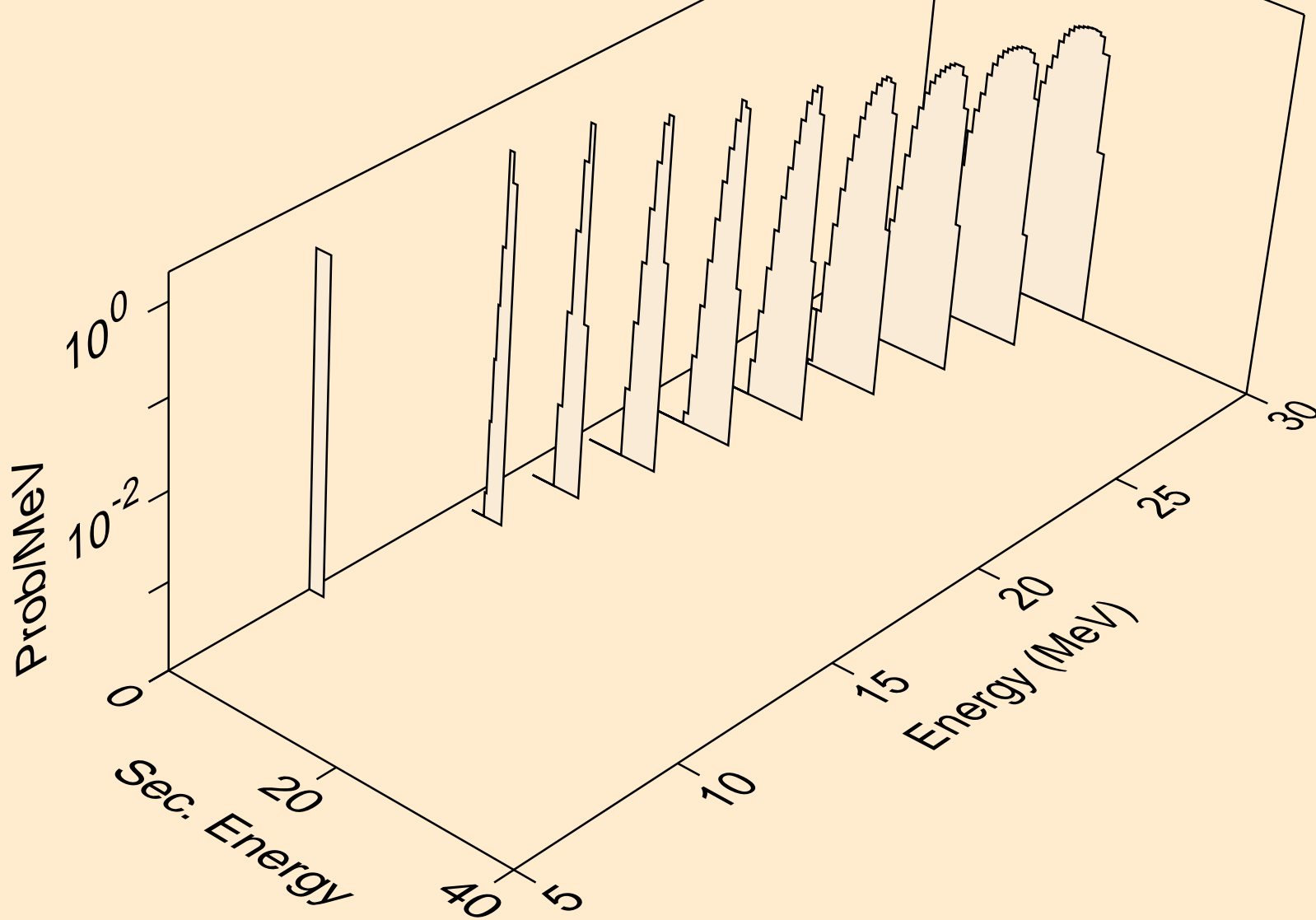
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



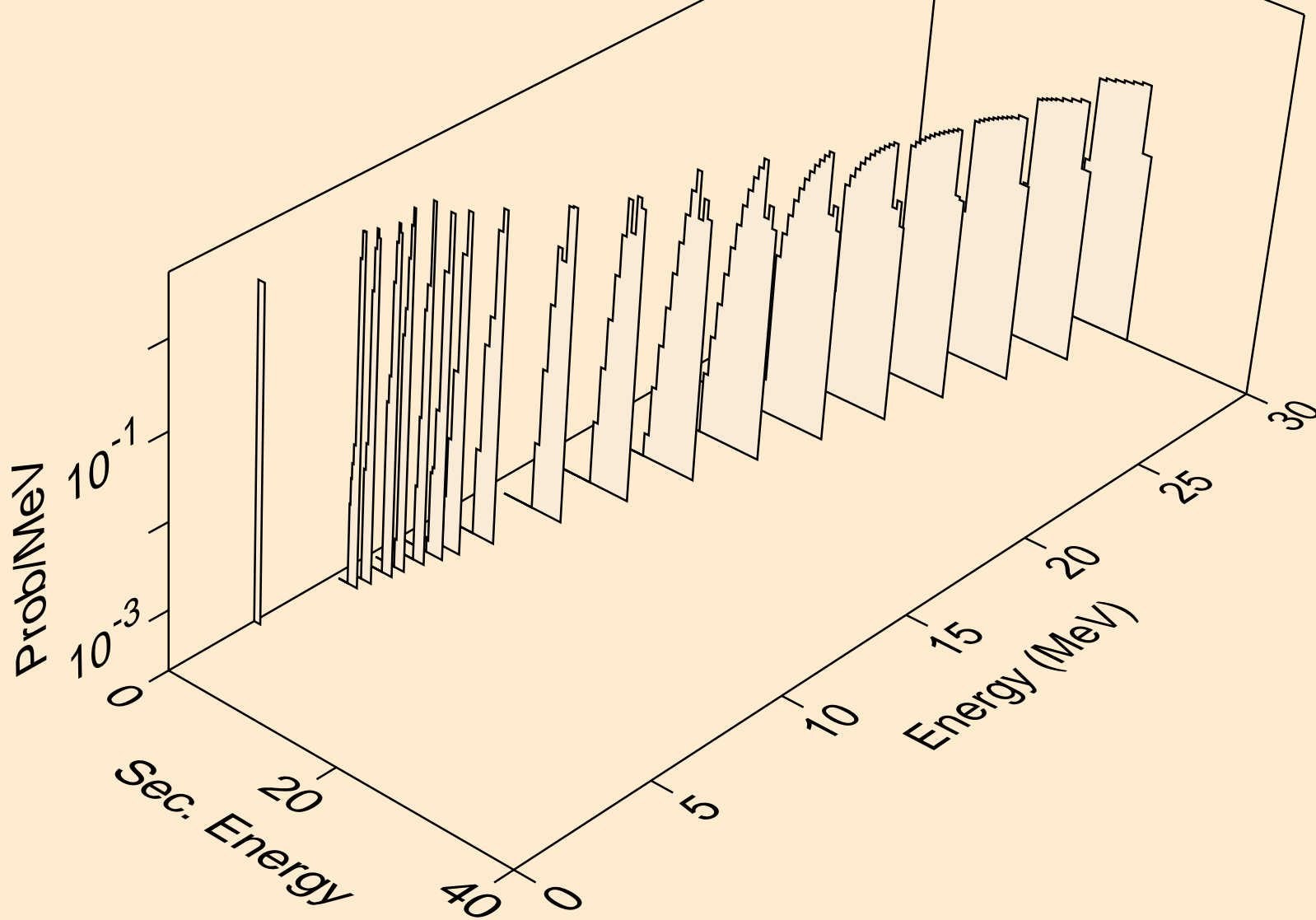
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



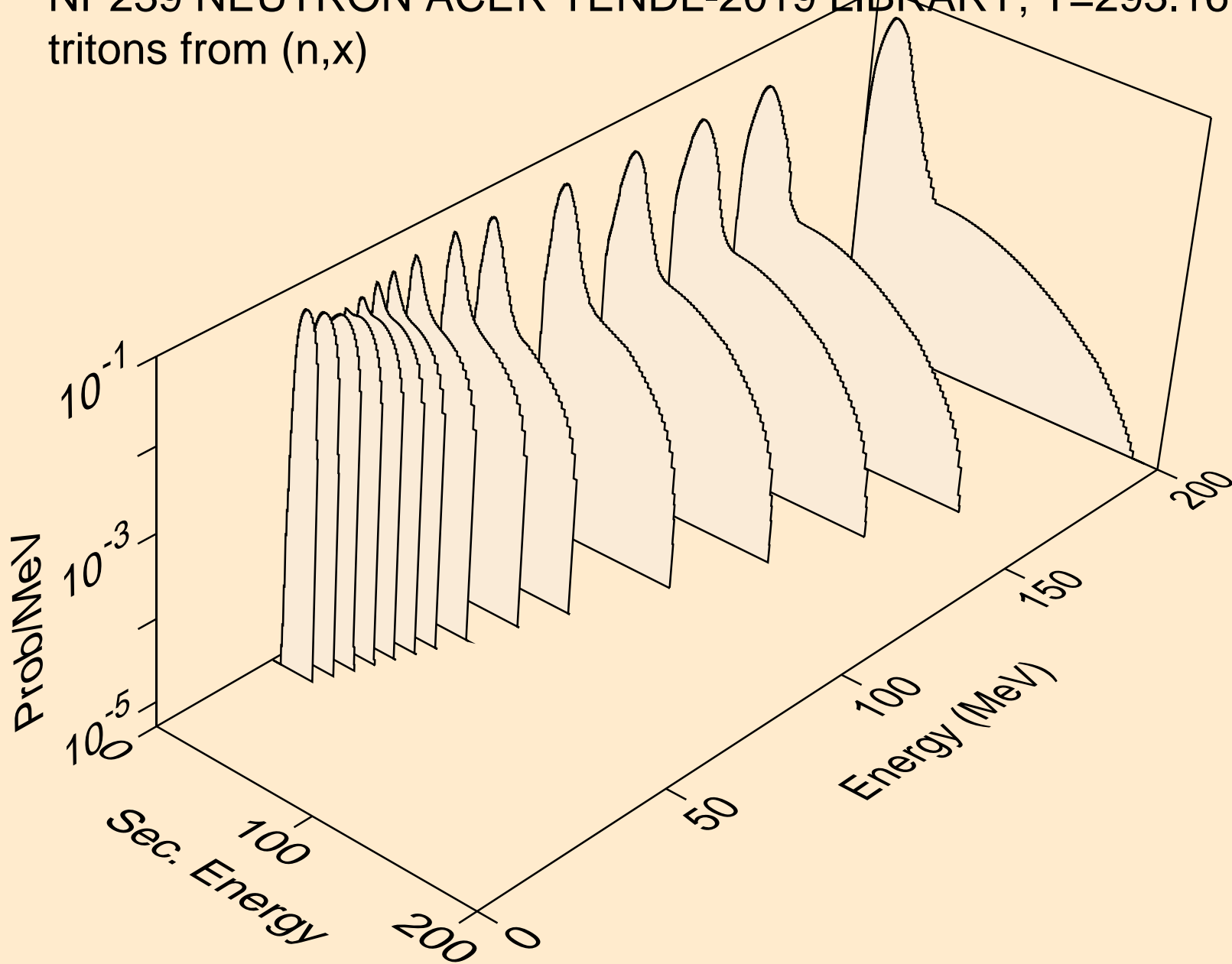
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



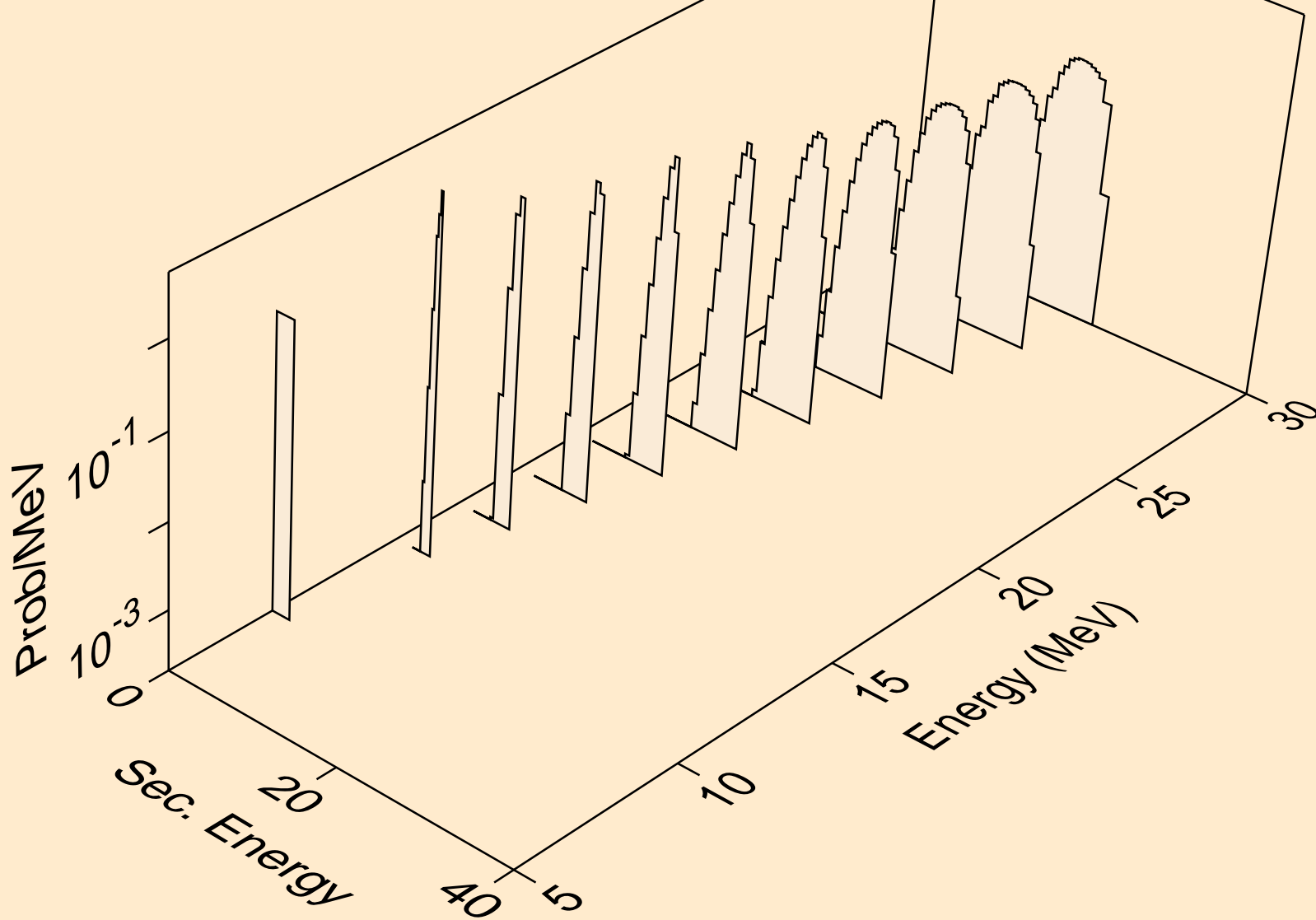
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



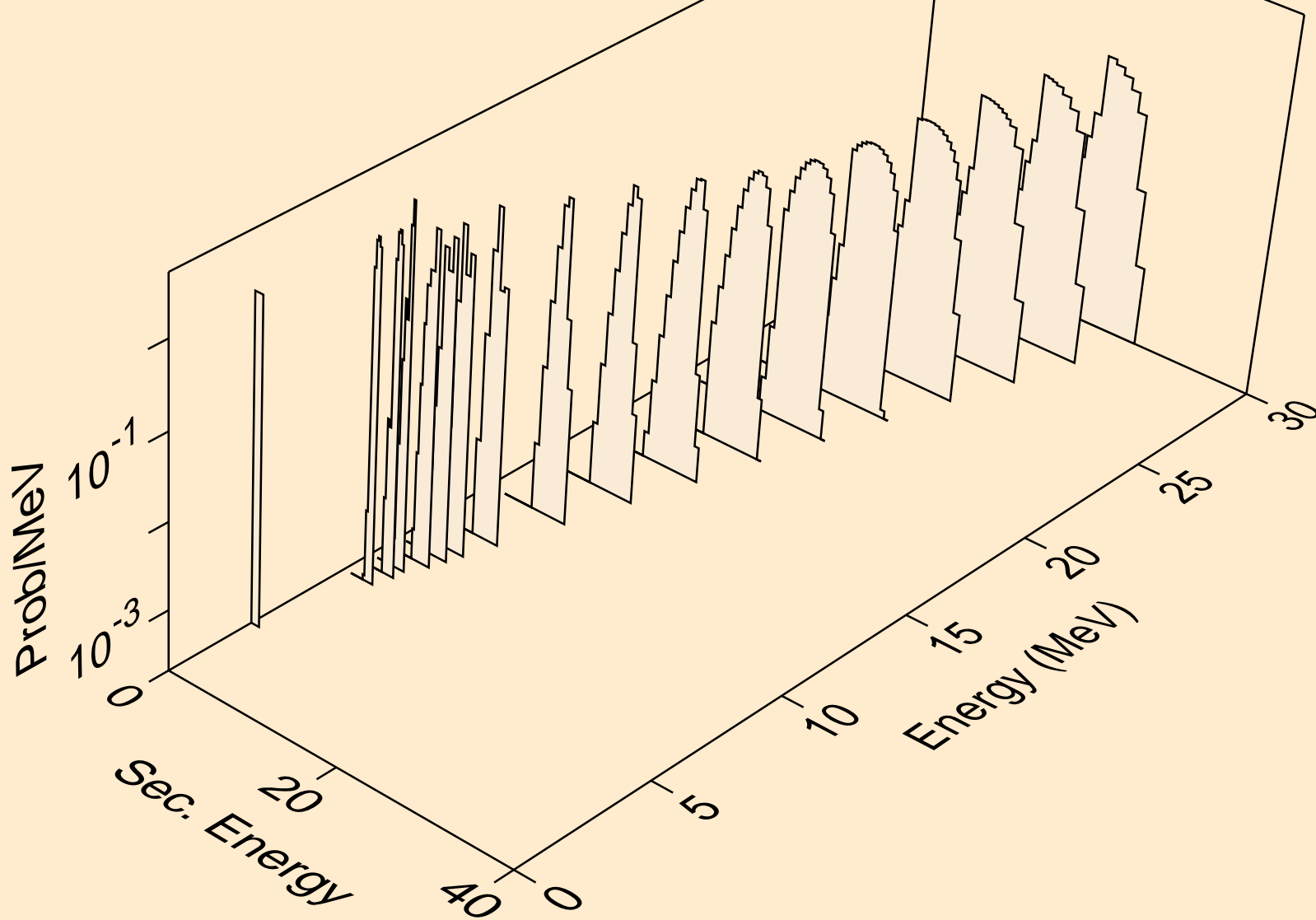
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



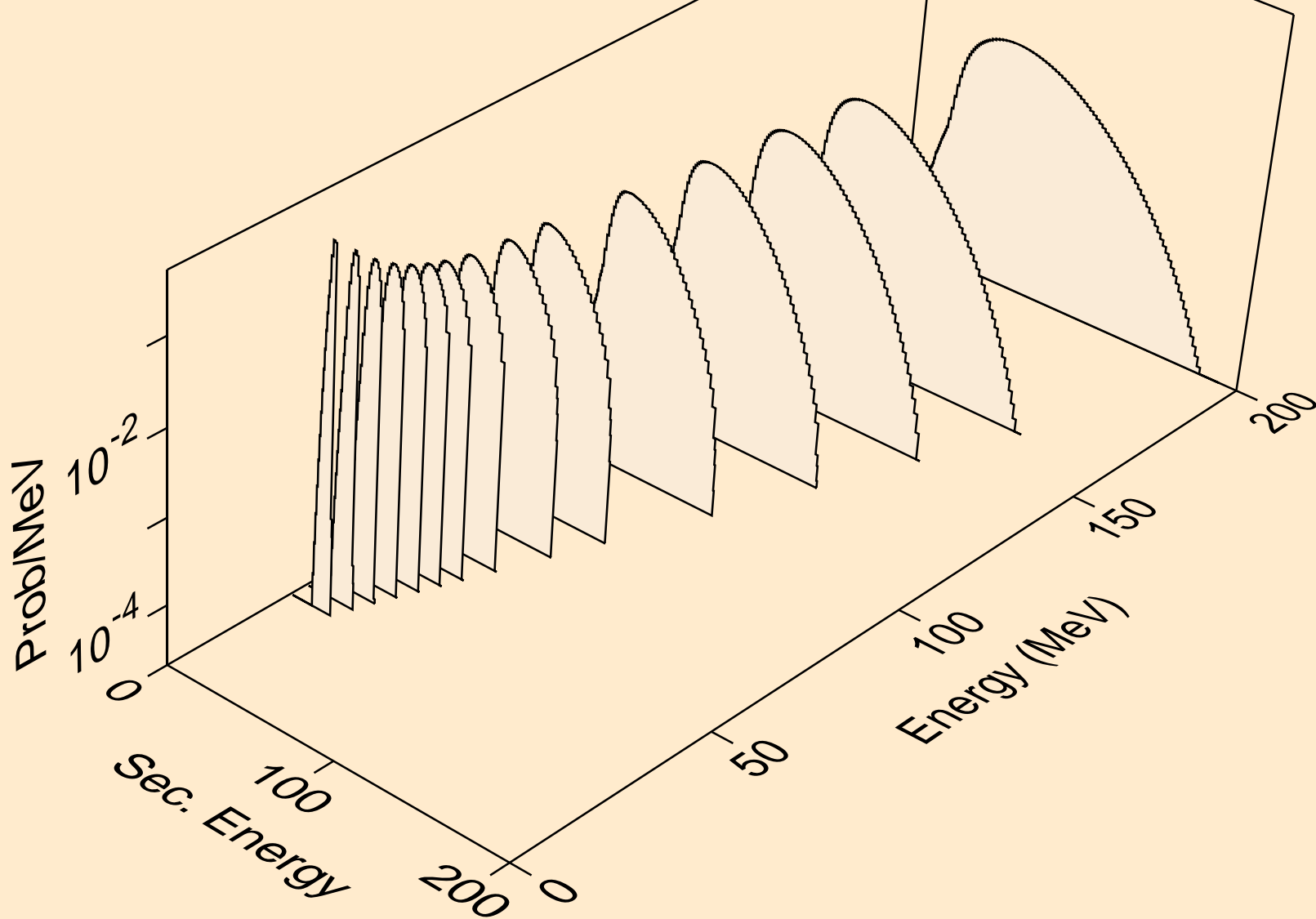
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



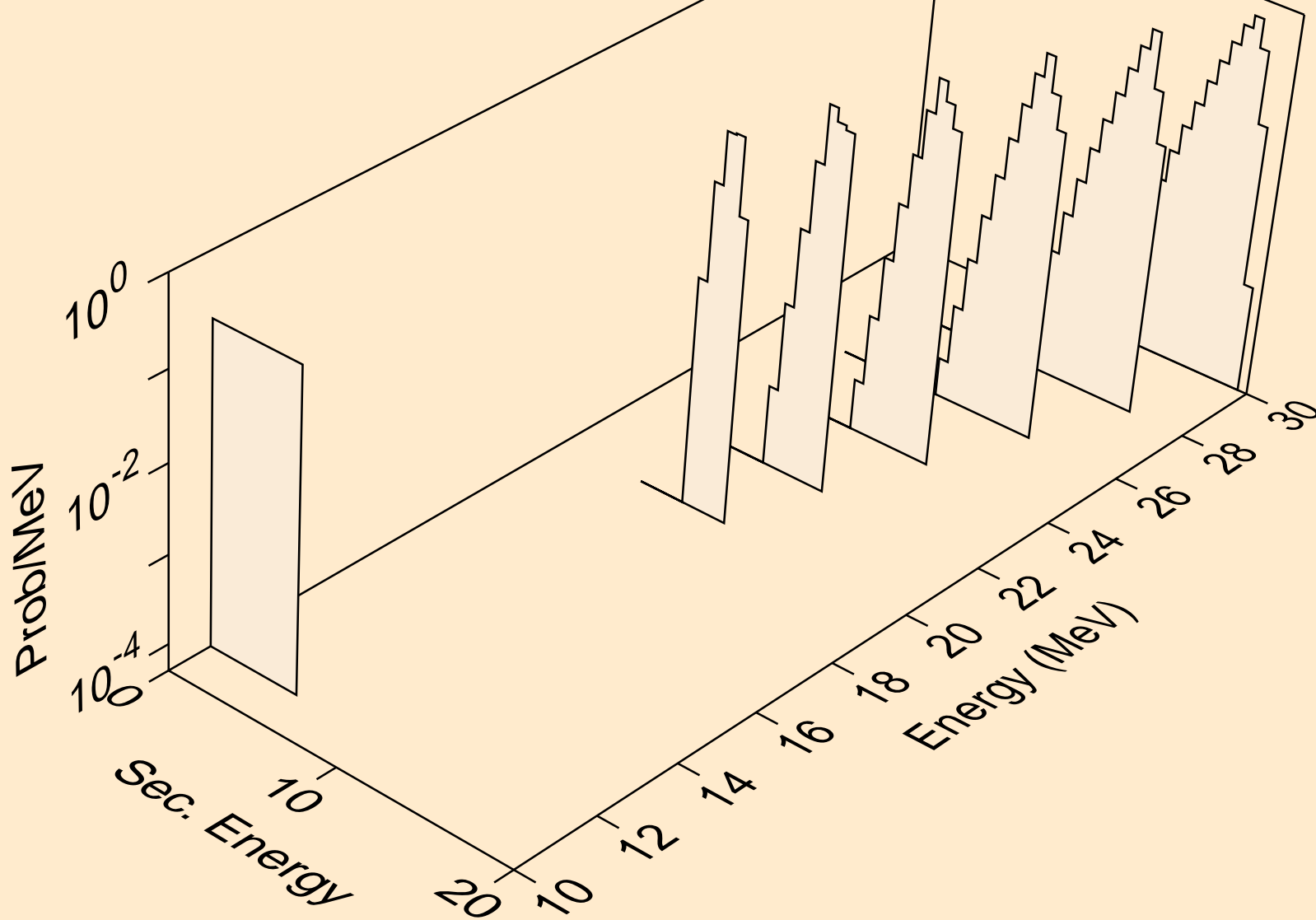
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



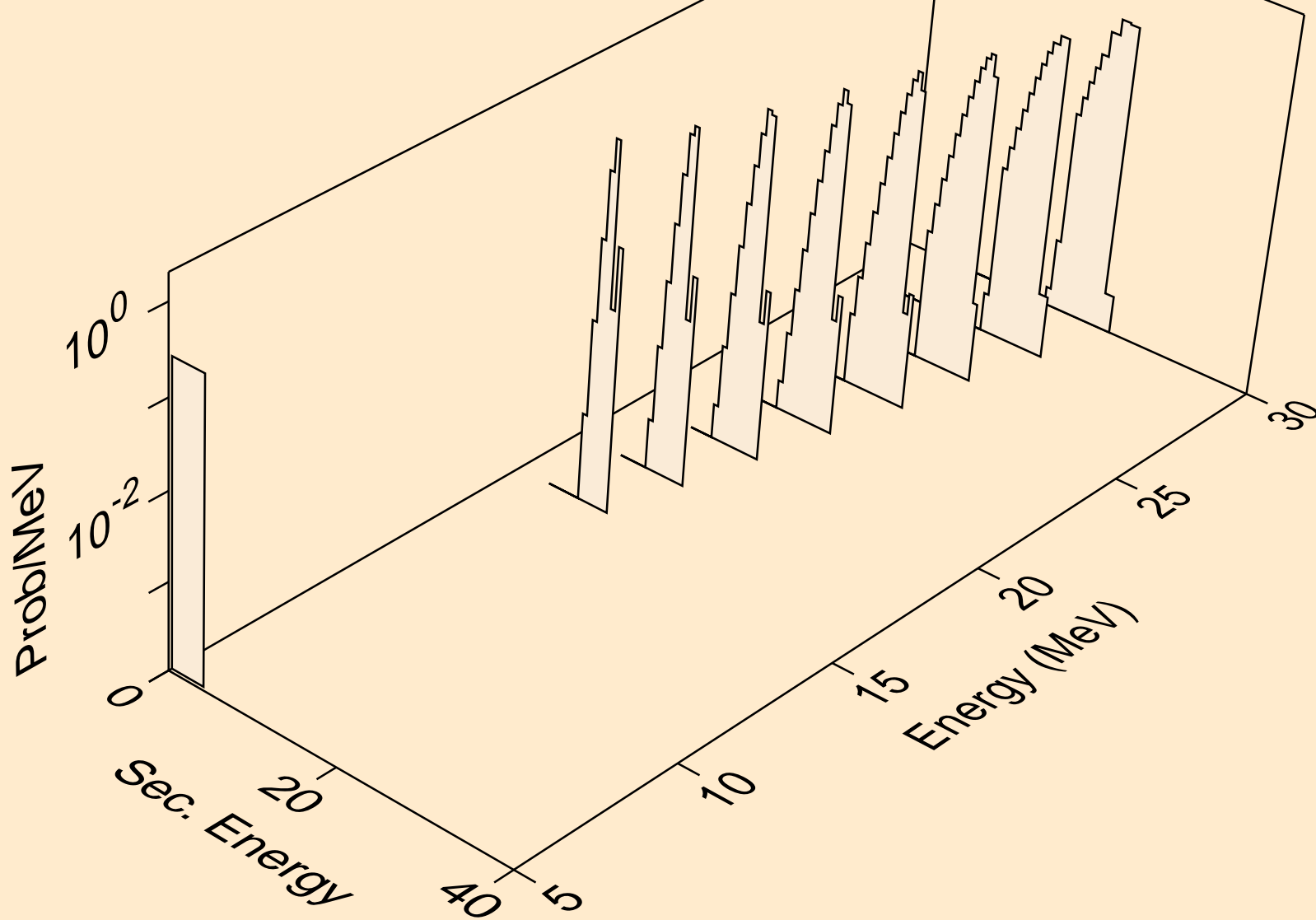
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



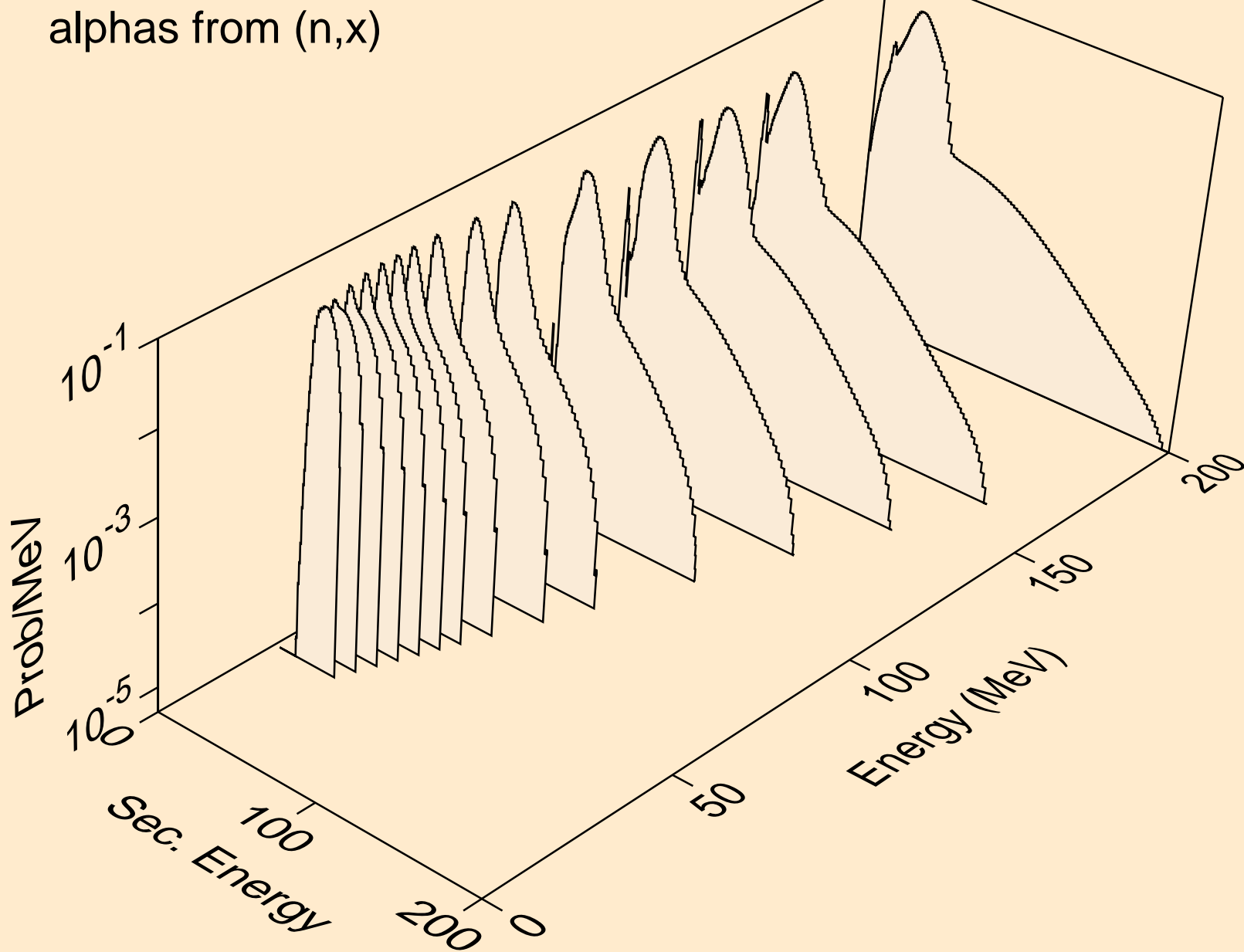
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



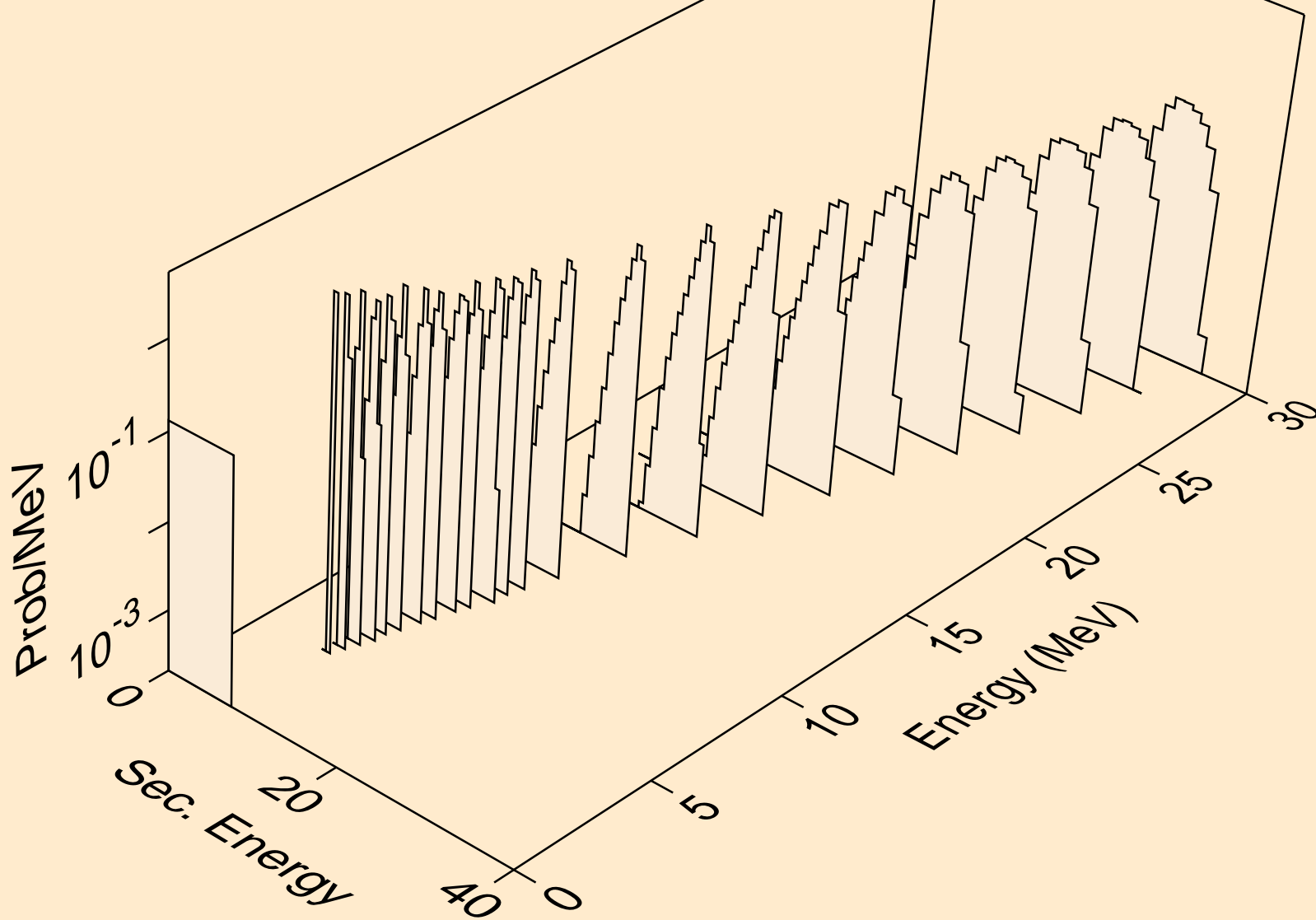
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



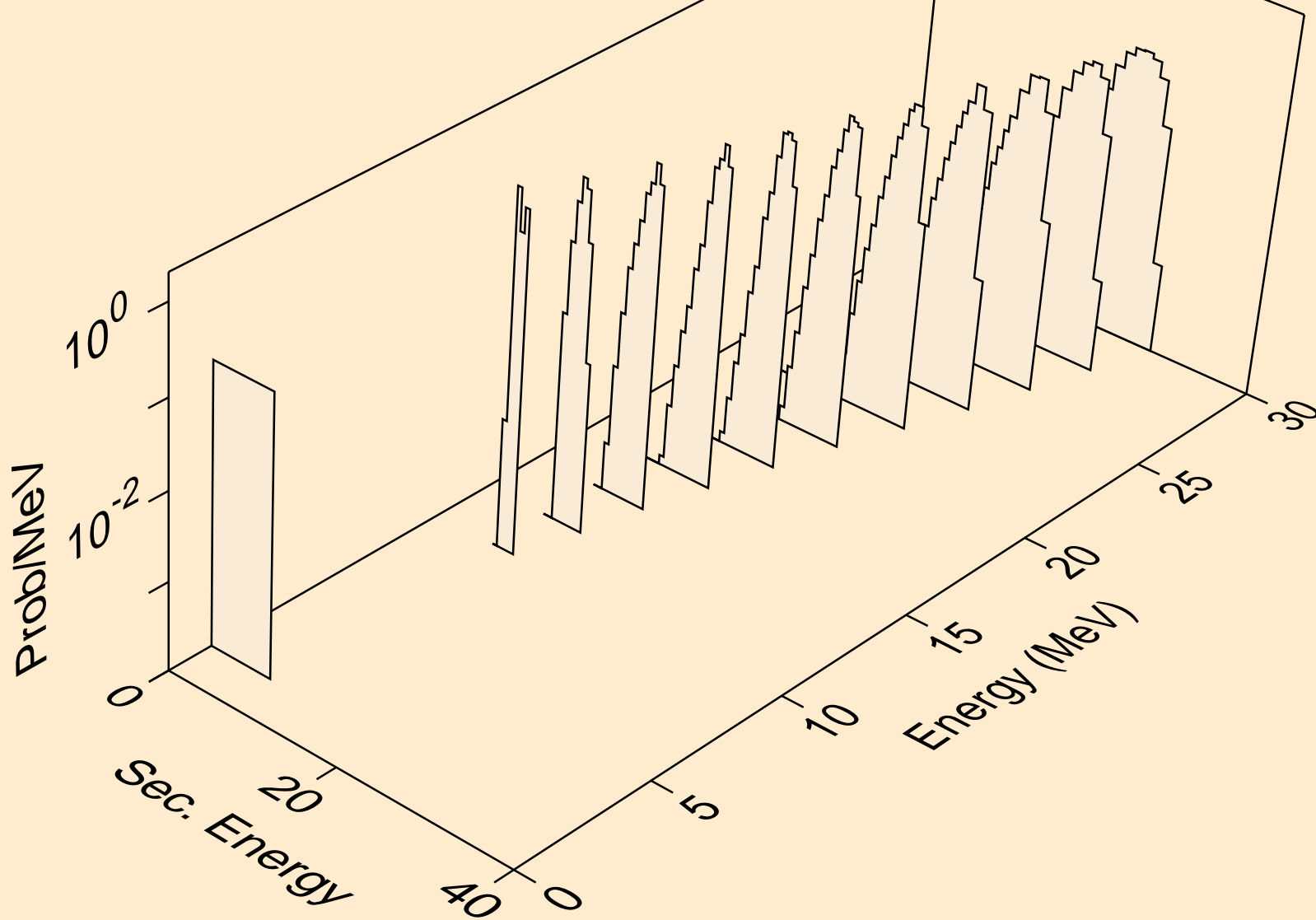
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



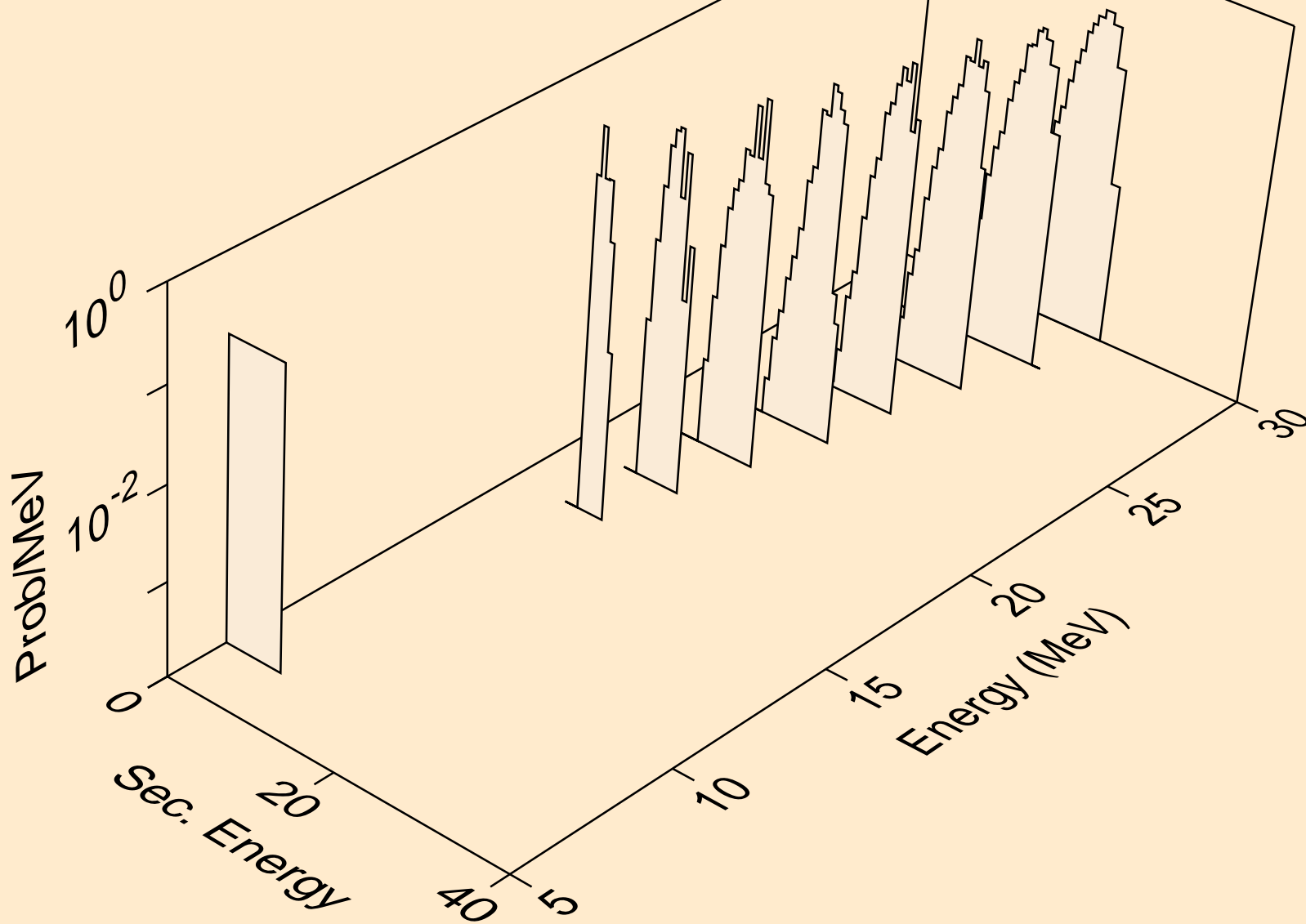
NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



NP239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)

