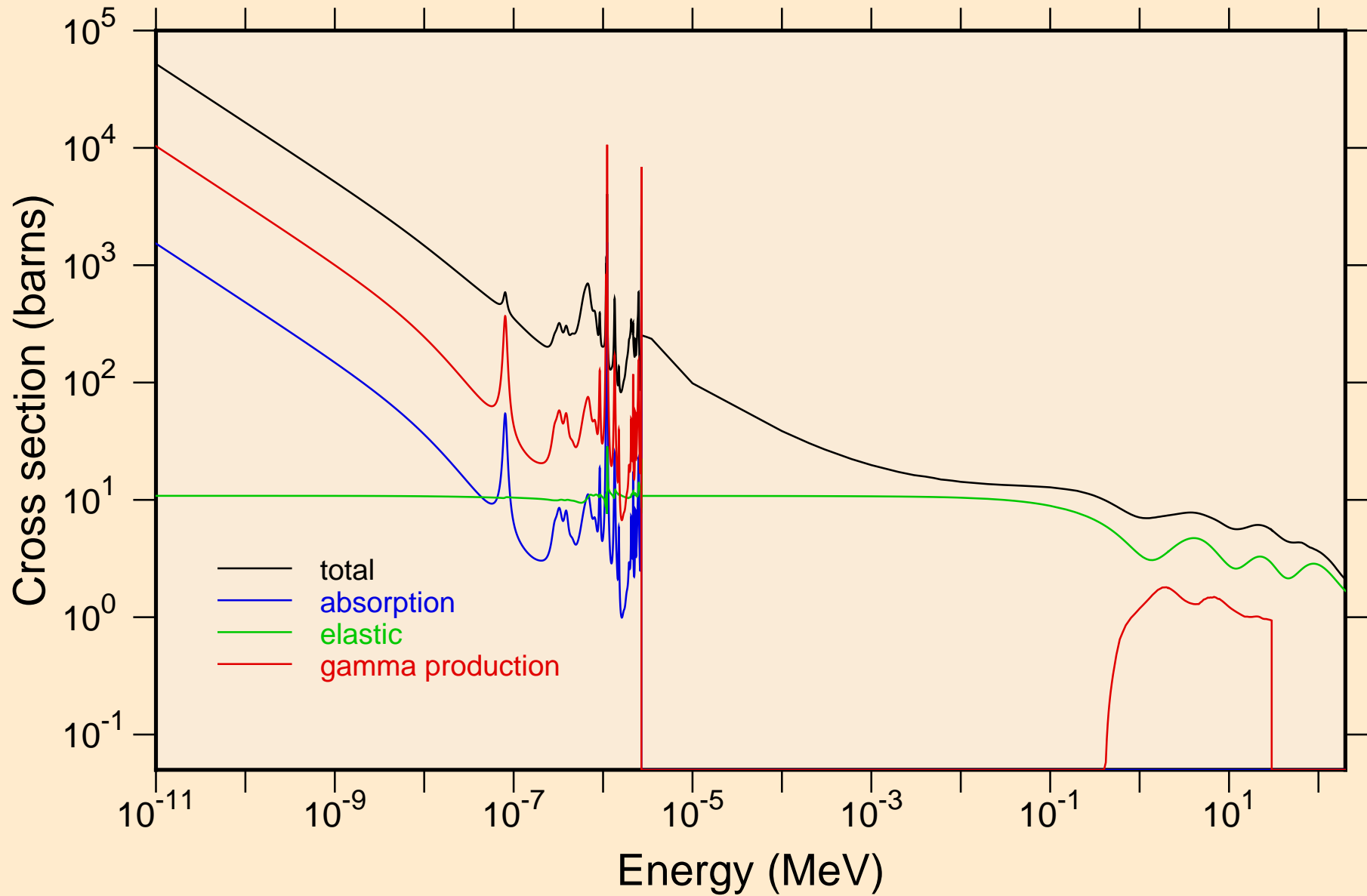
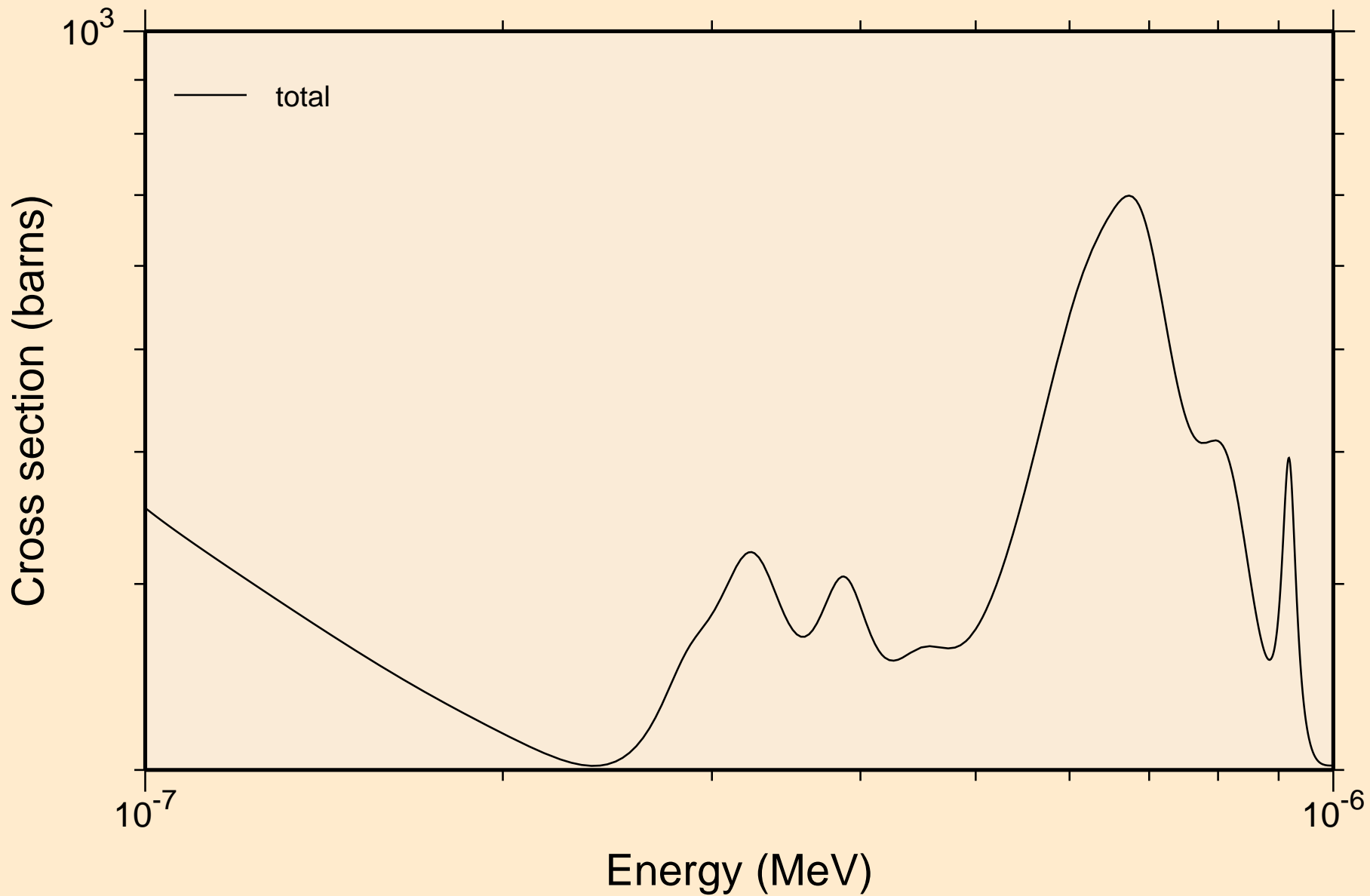


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

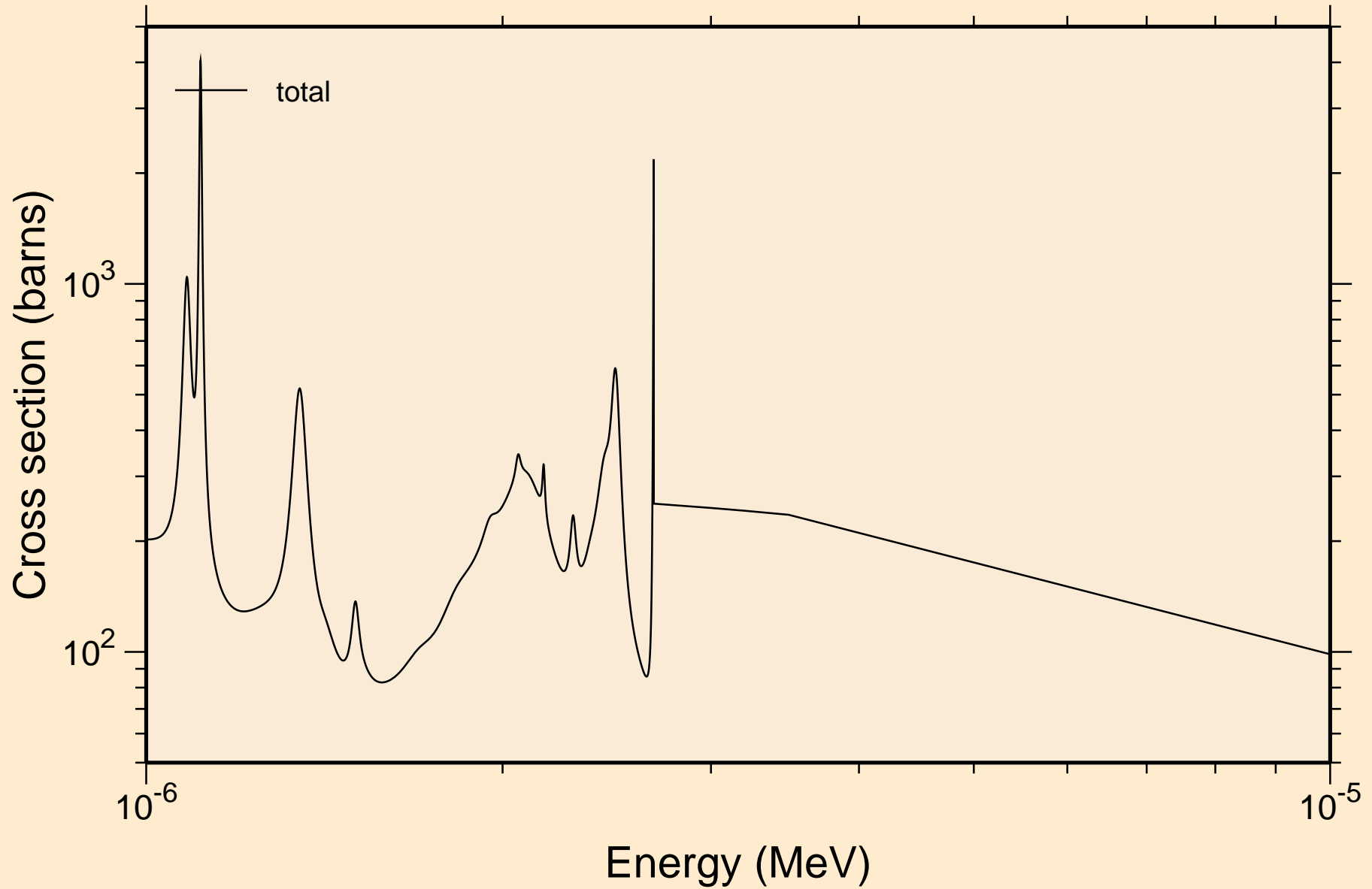
Principal cross sections



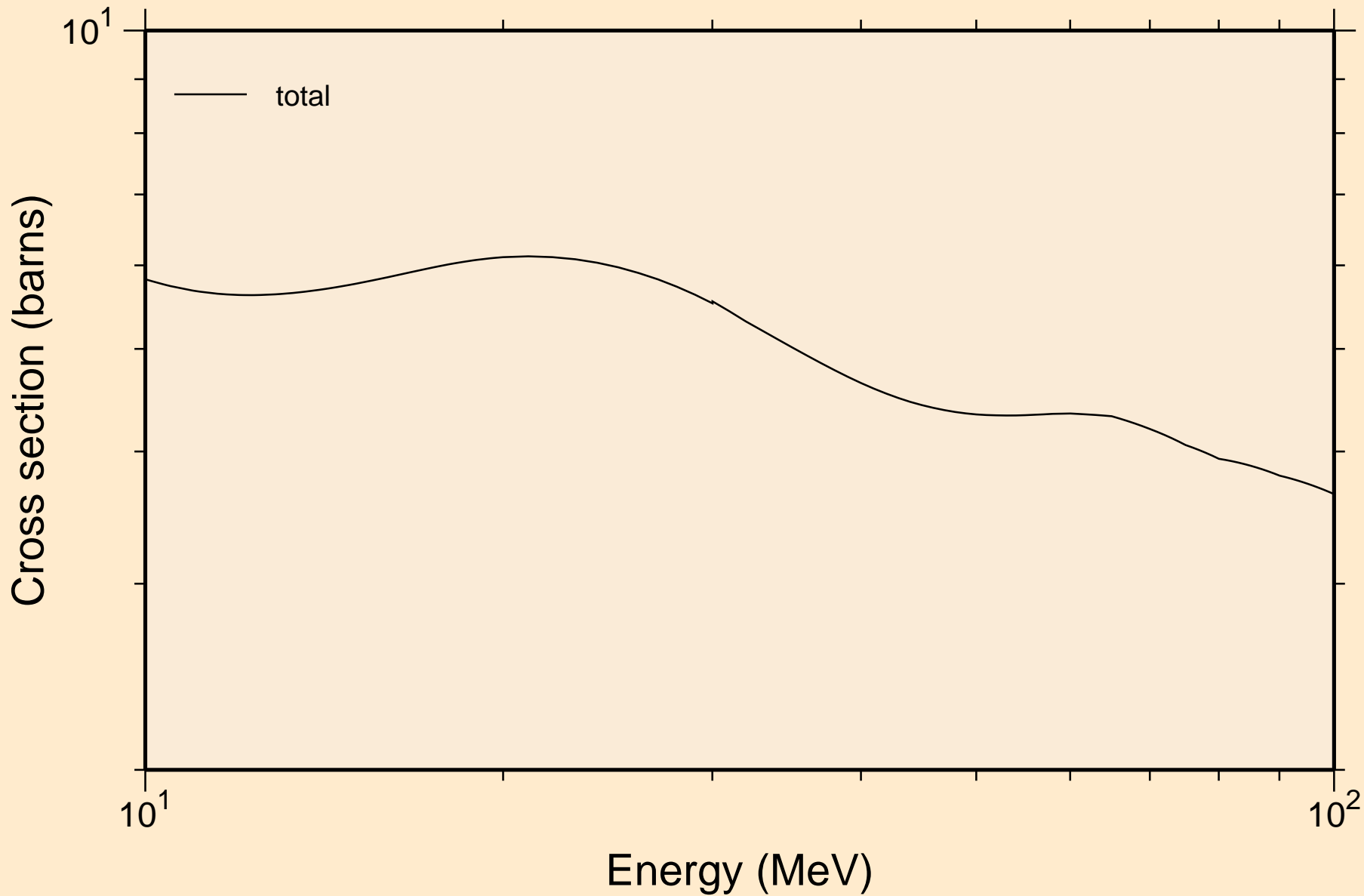
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



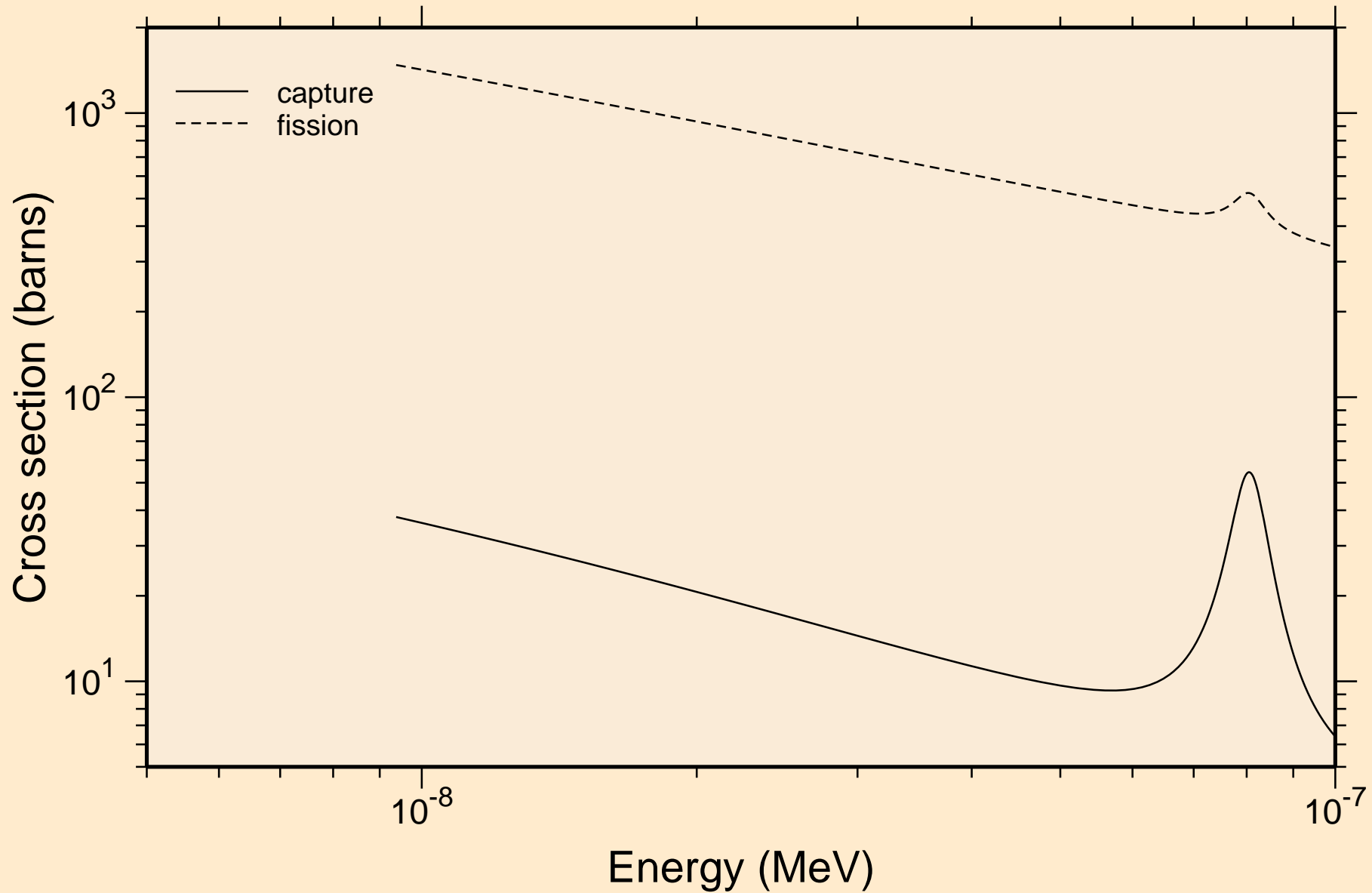
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



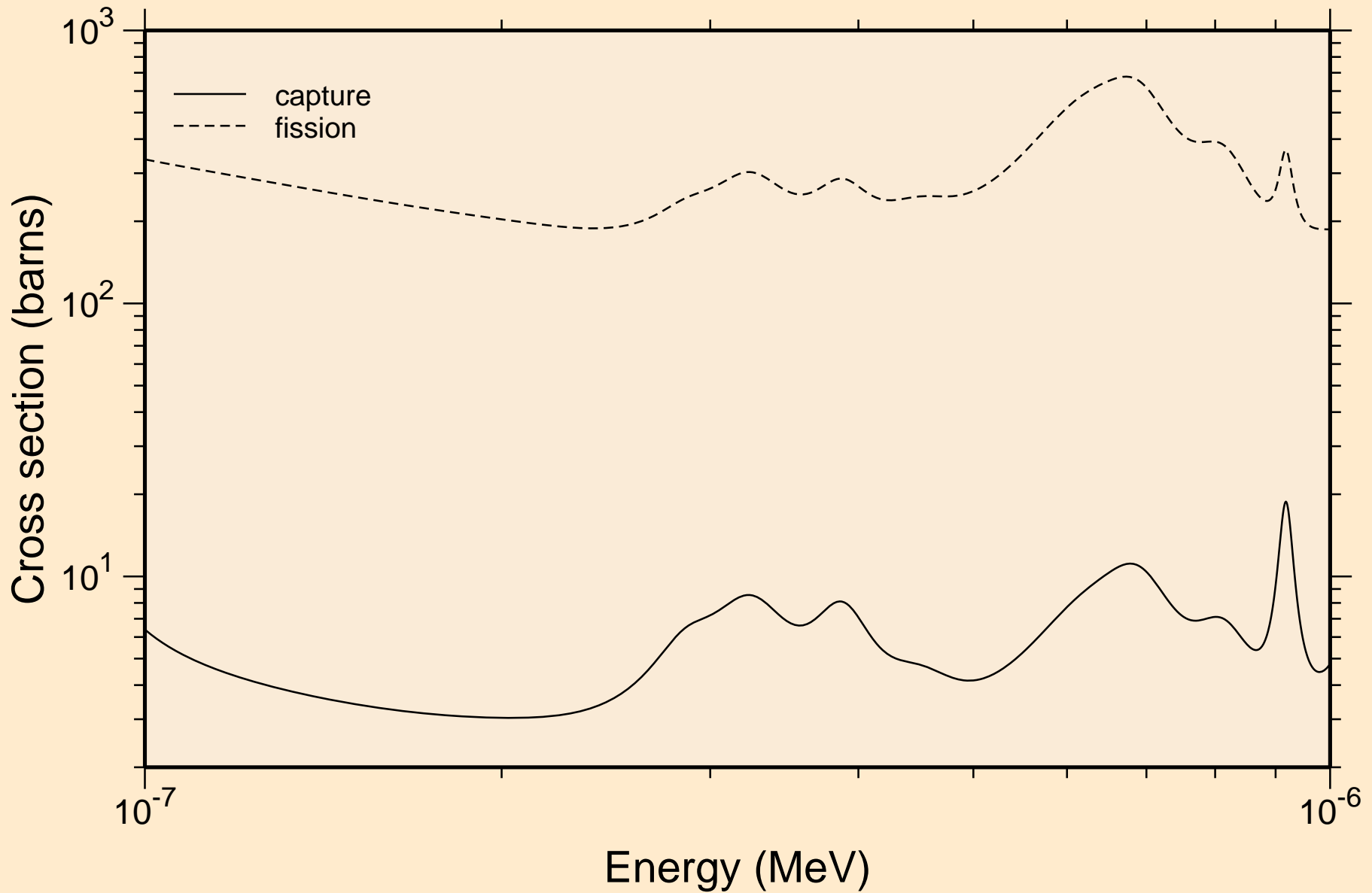
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resonance total cross section



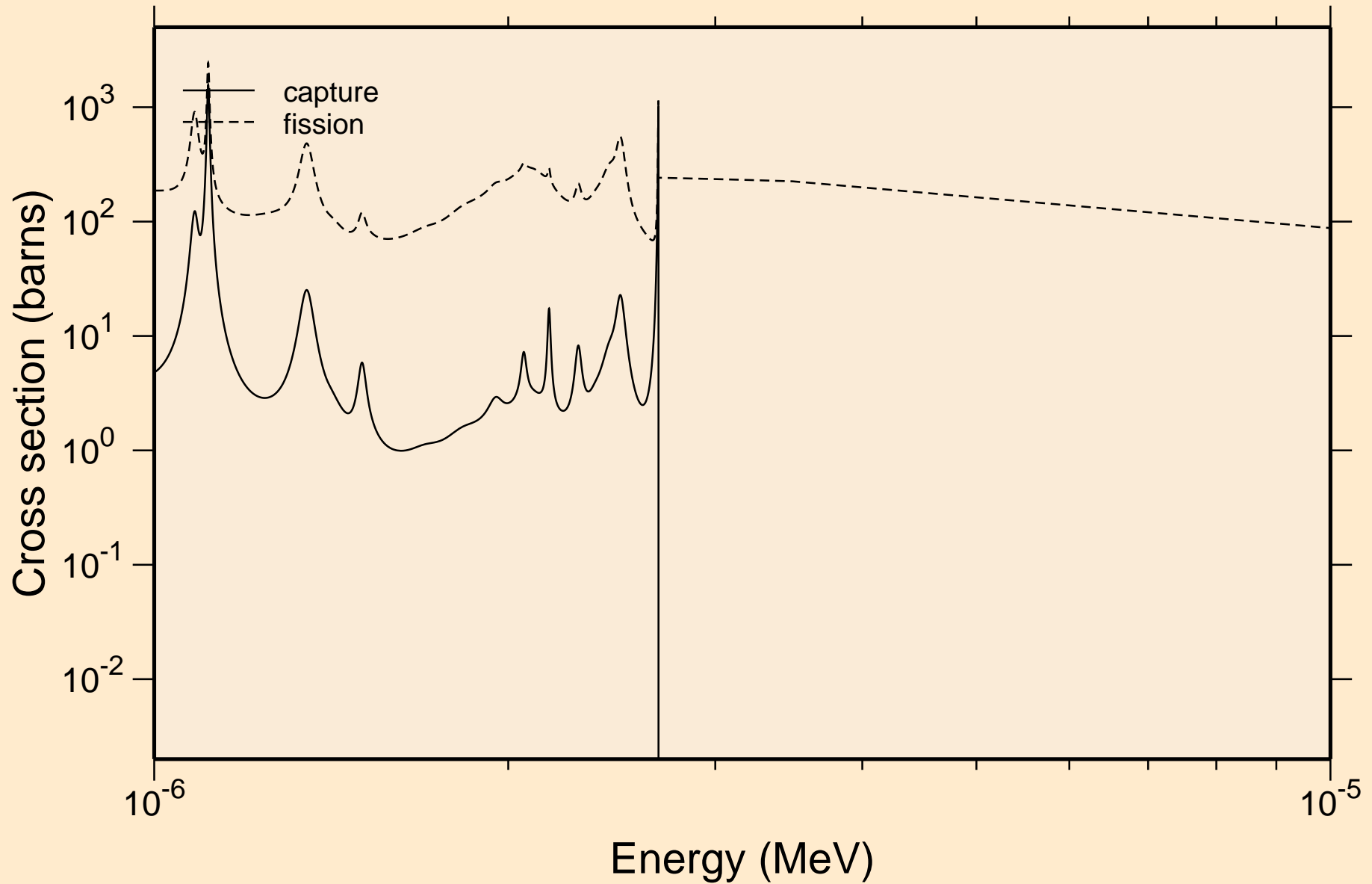
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



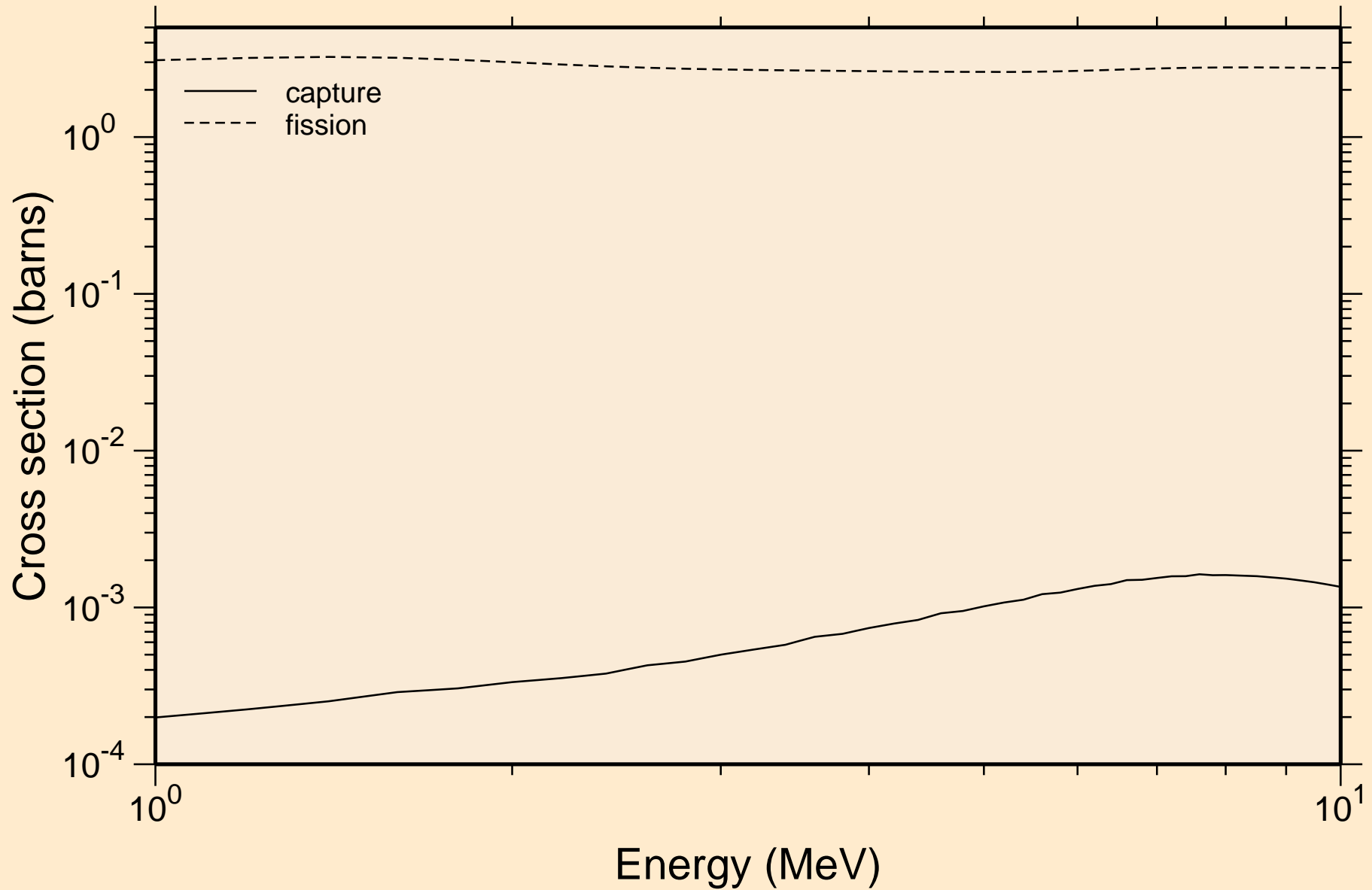
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

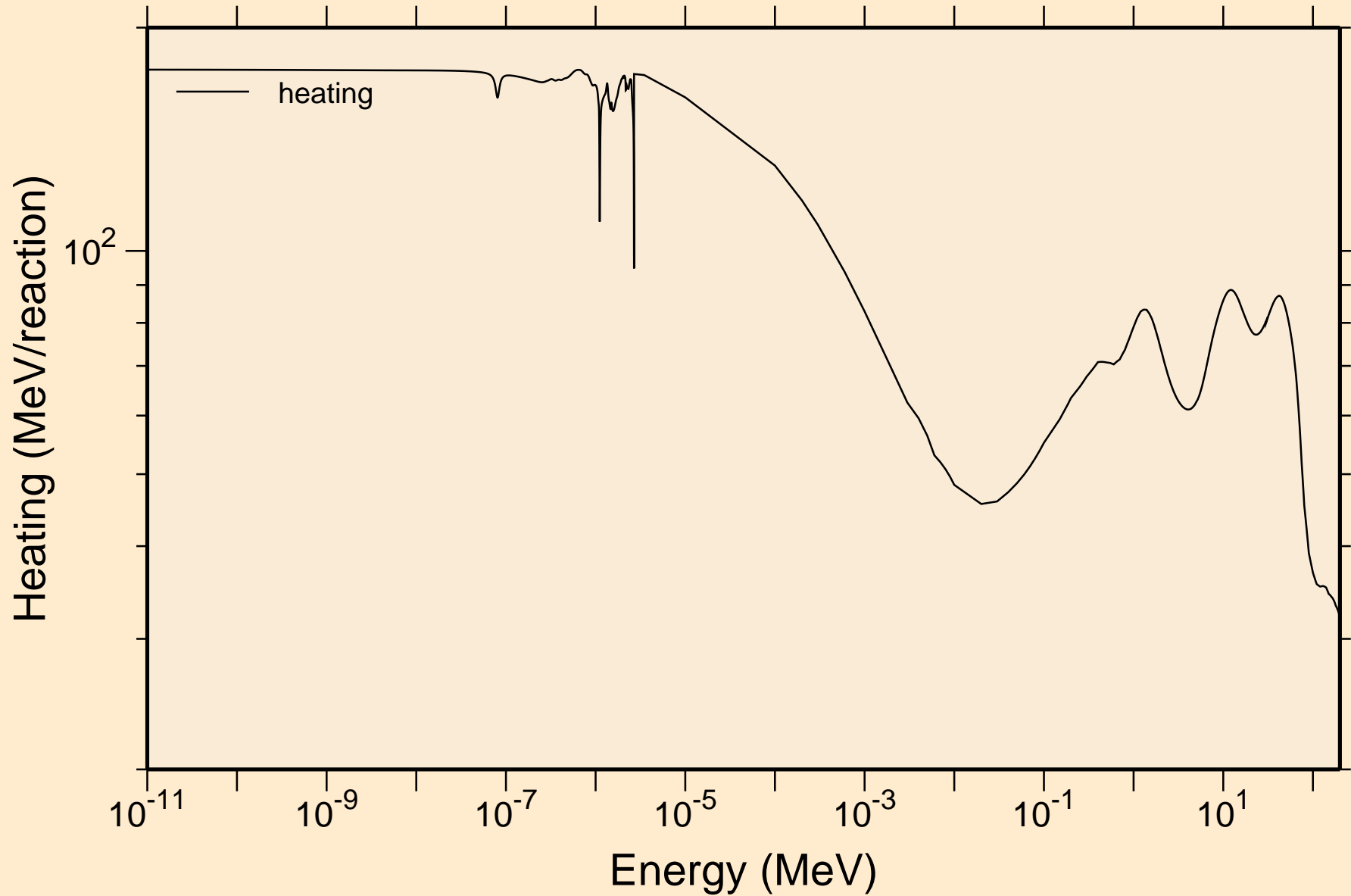


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

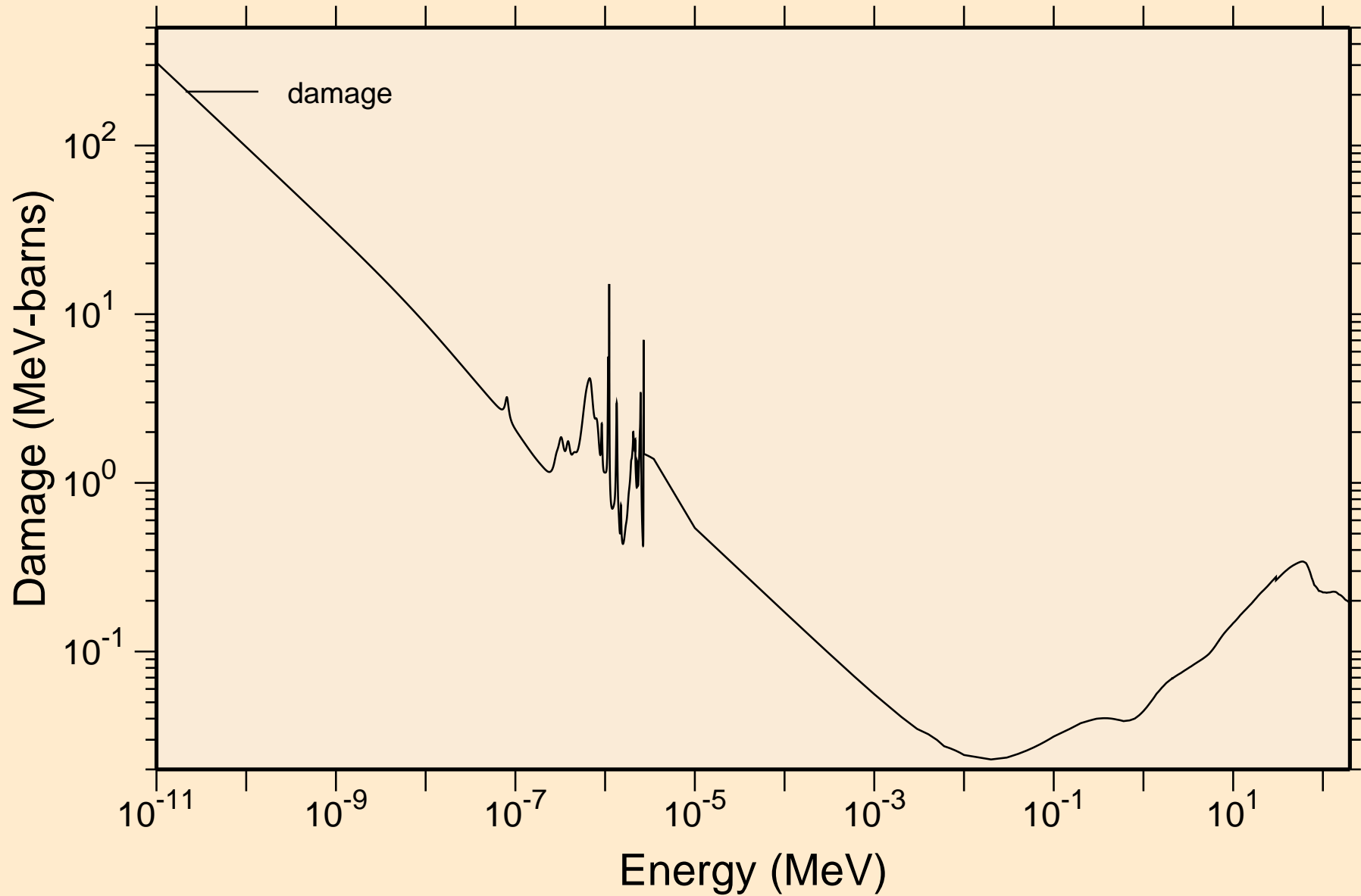


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

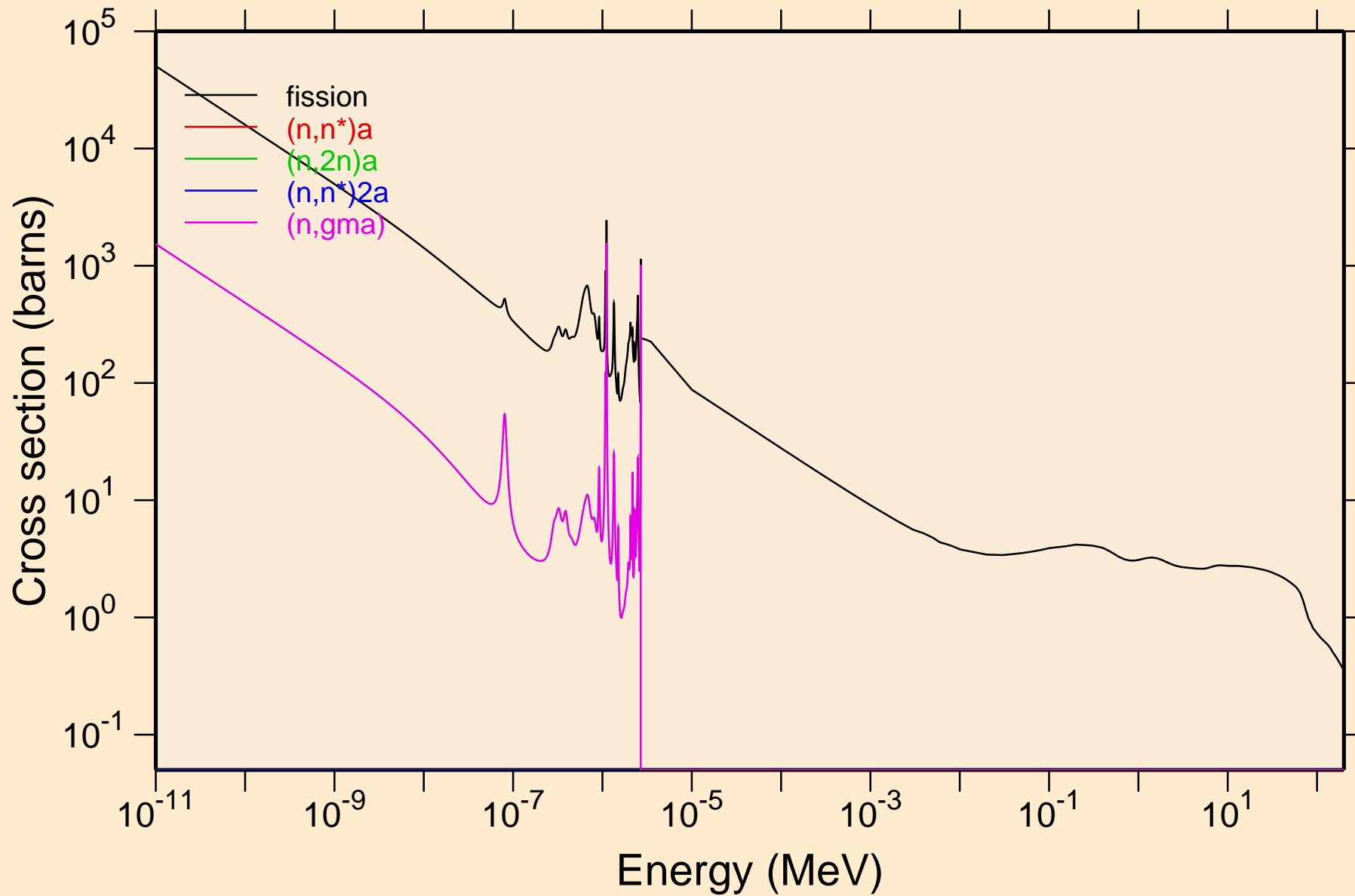


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



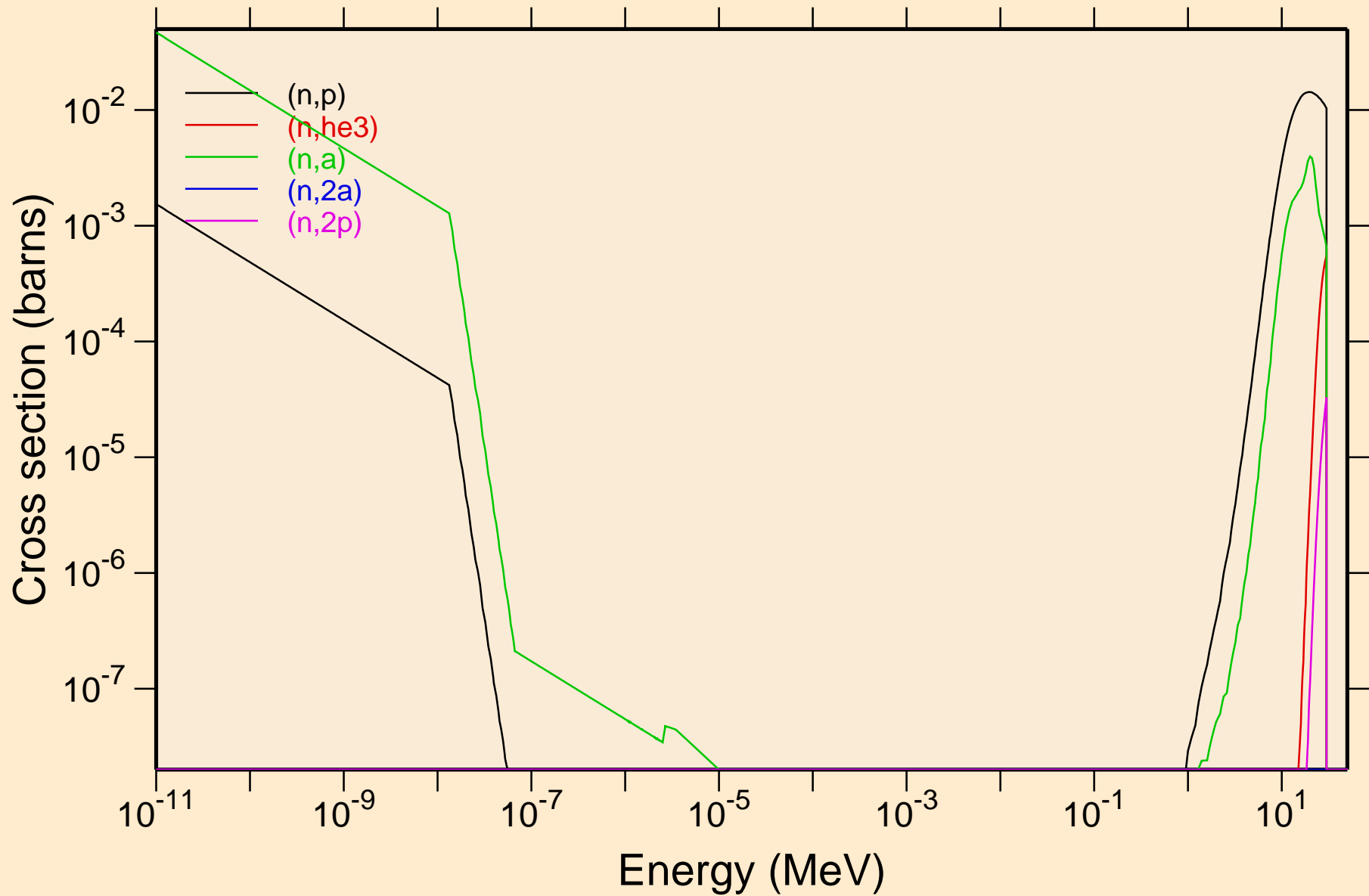
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

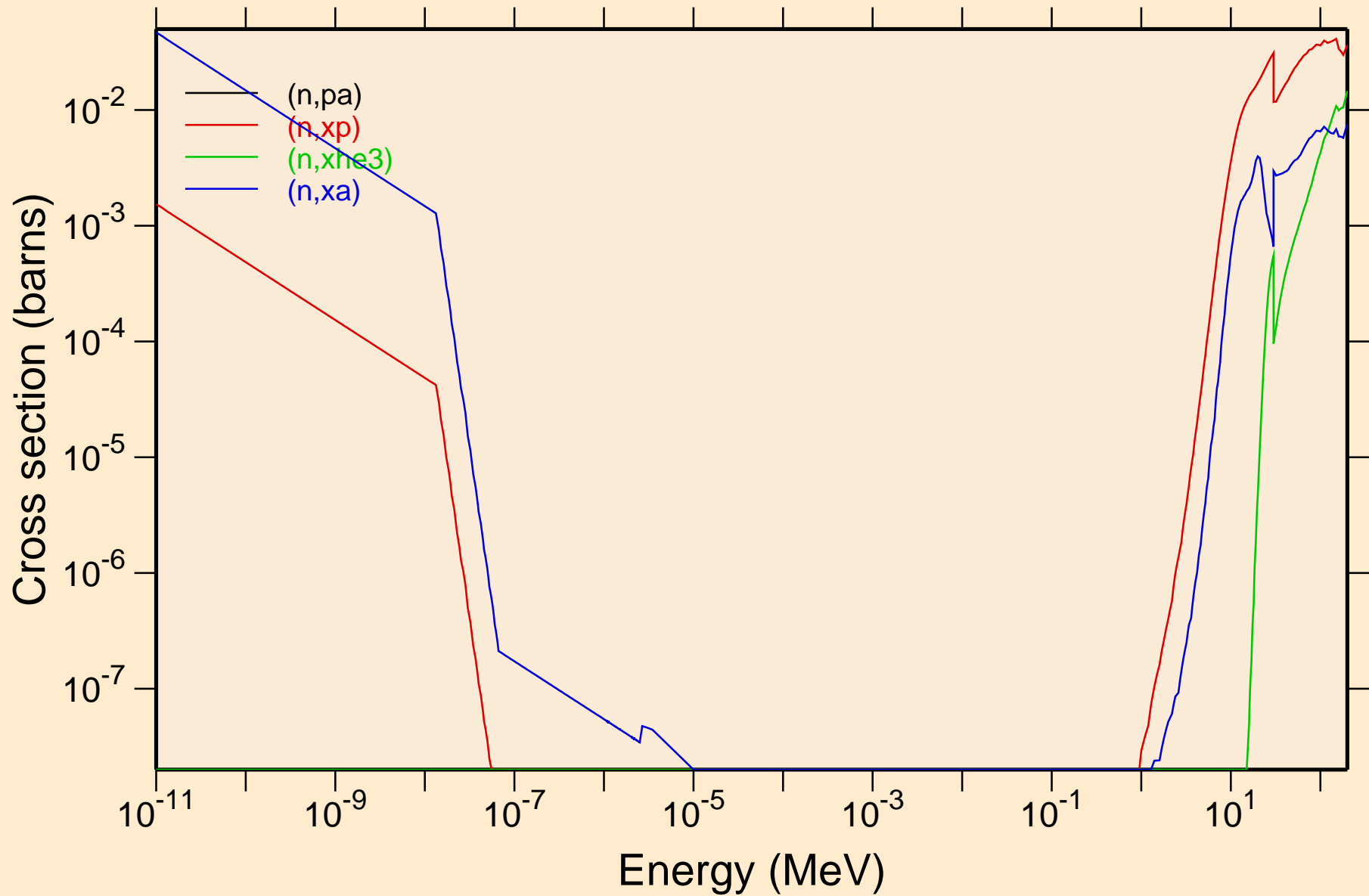


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

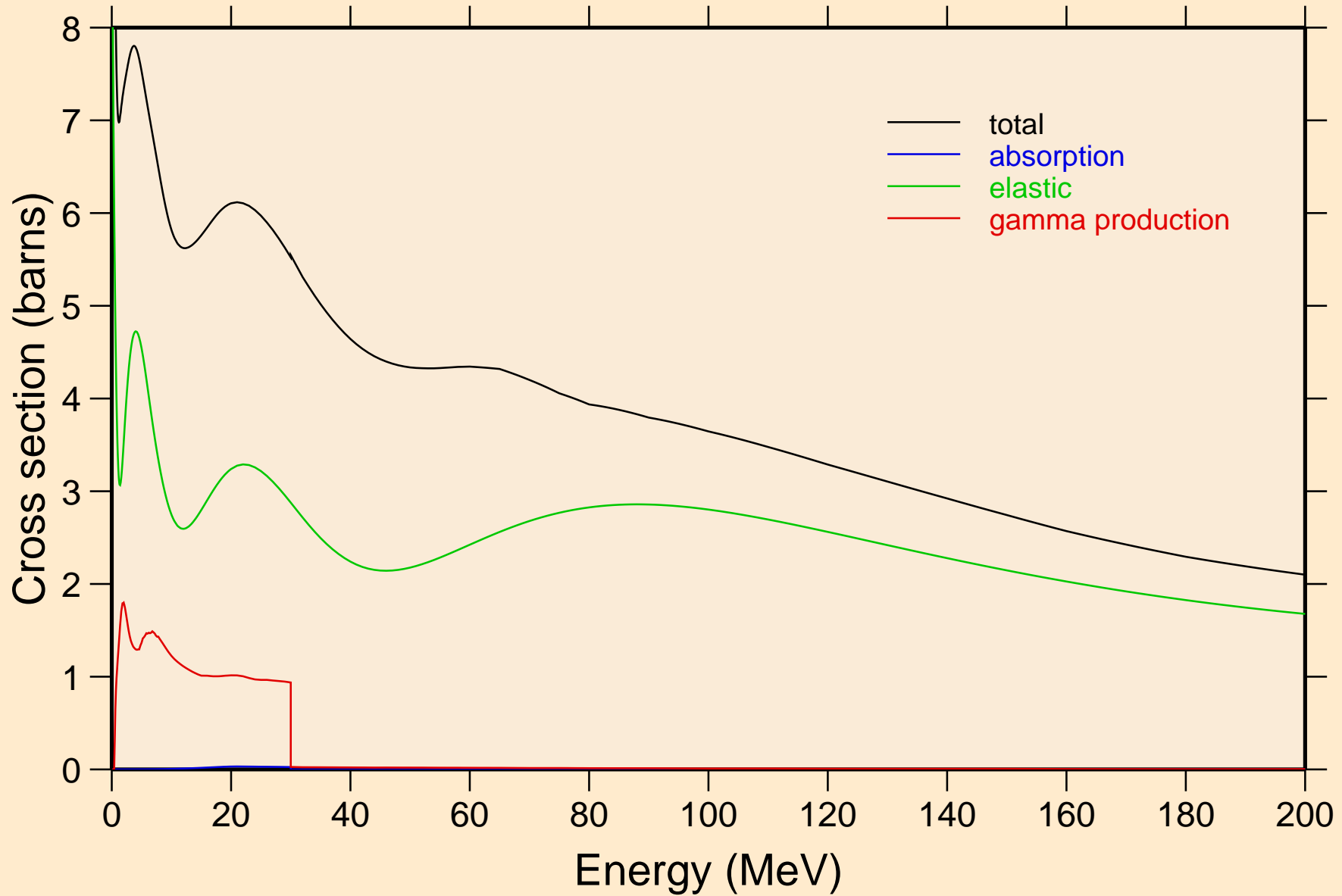


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



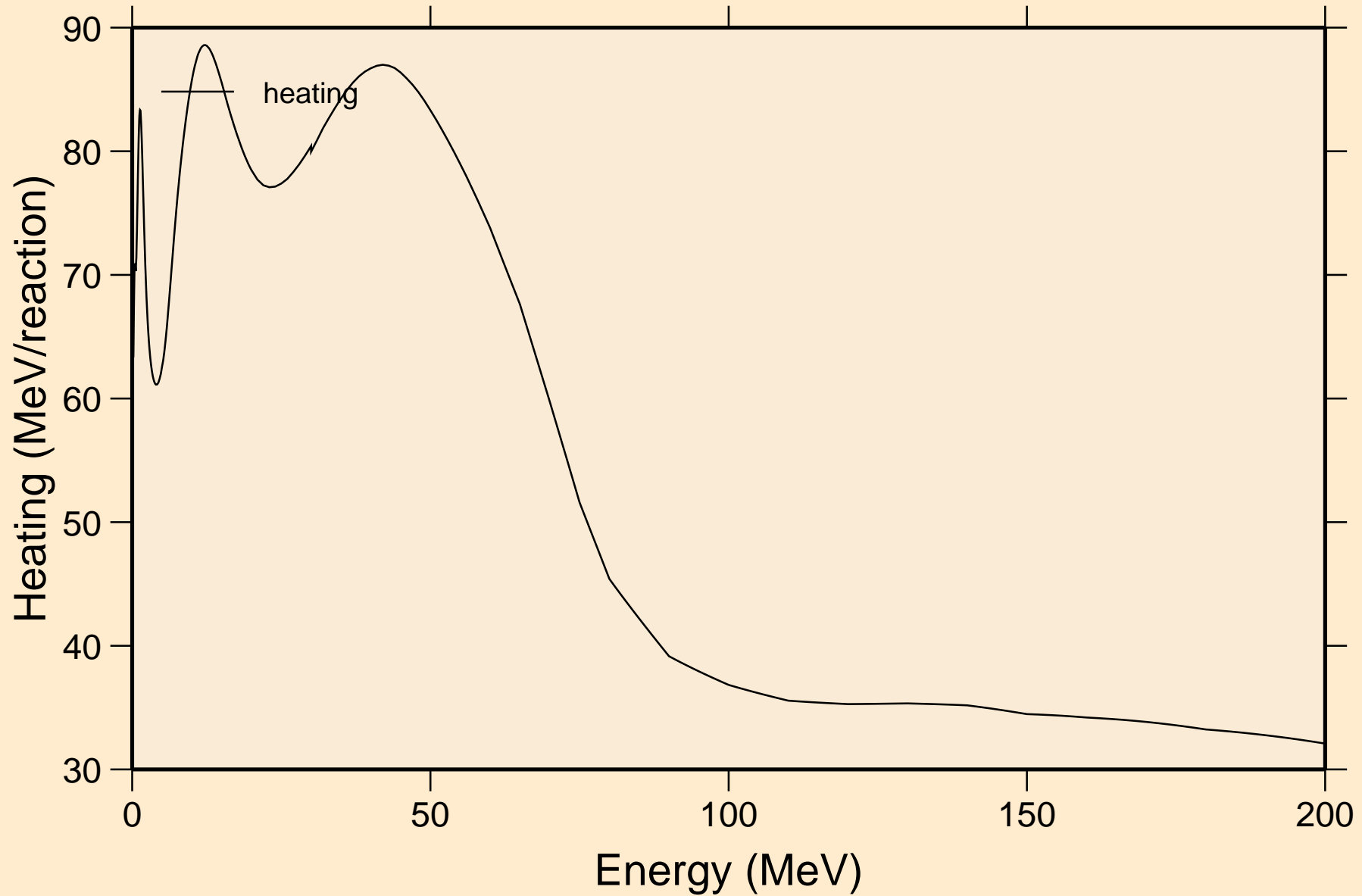
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

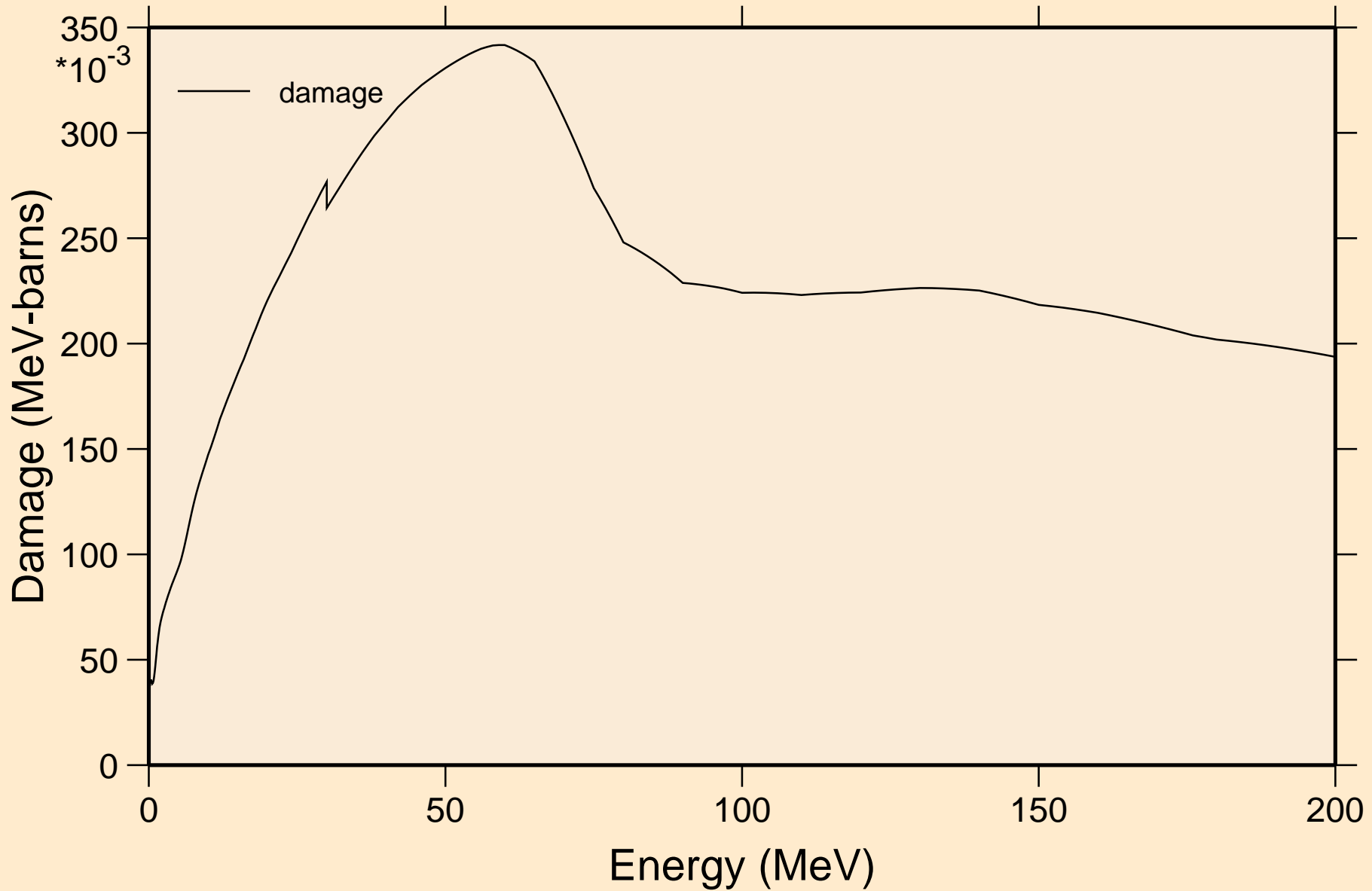


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

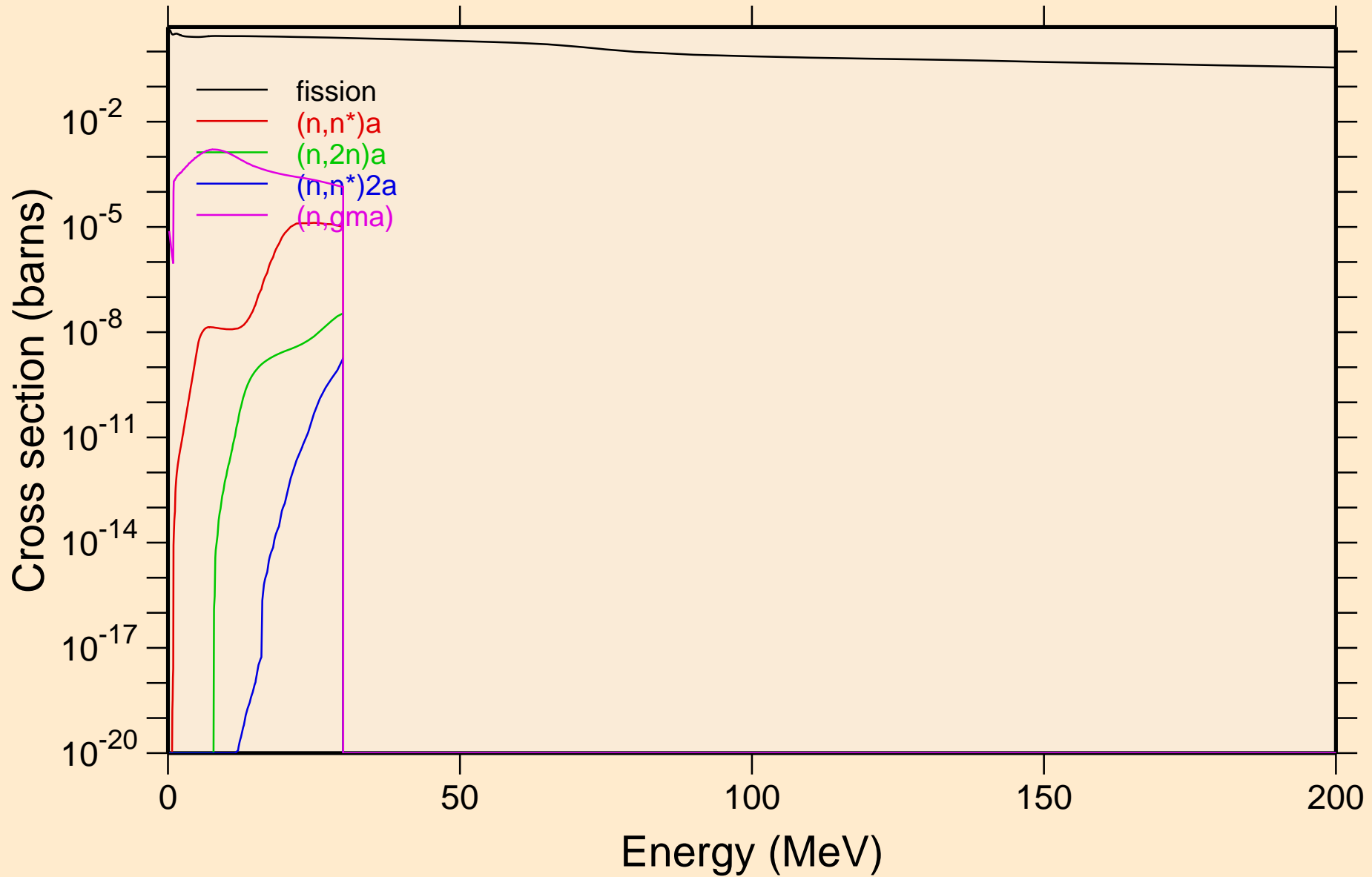


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



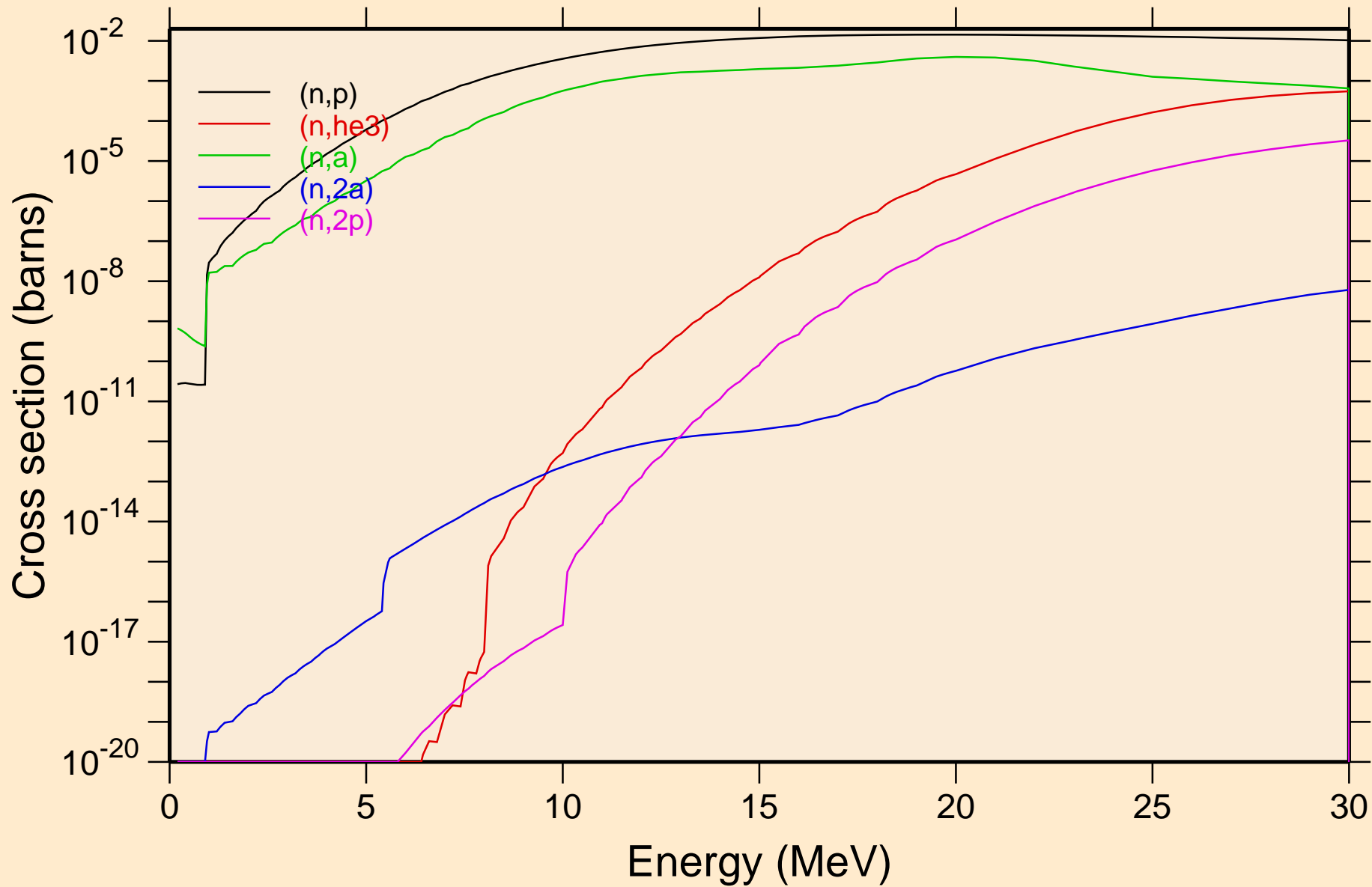
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Non-threshold reactions



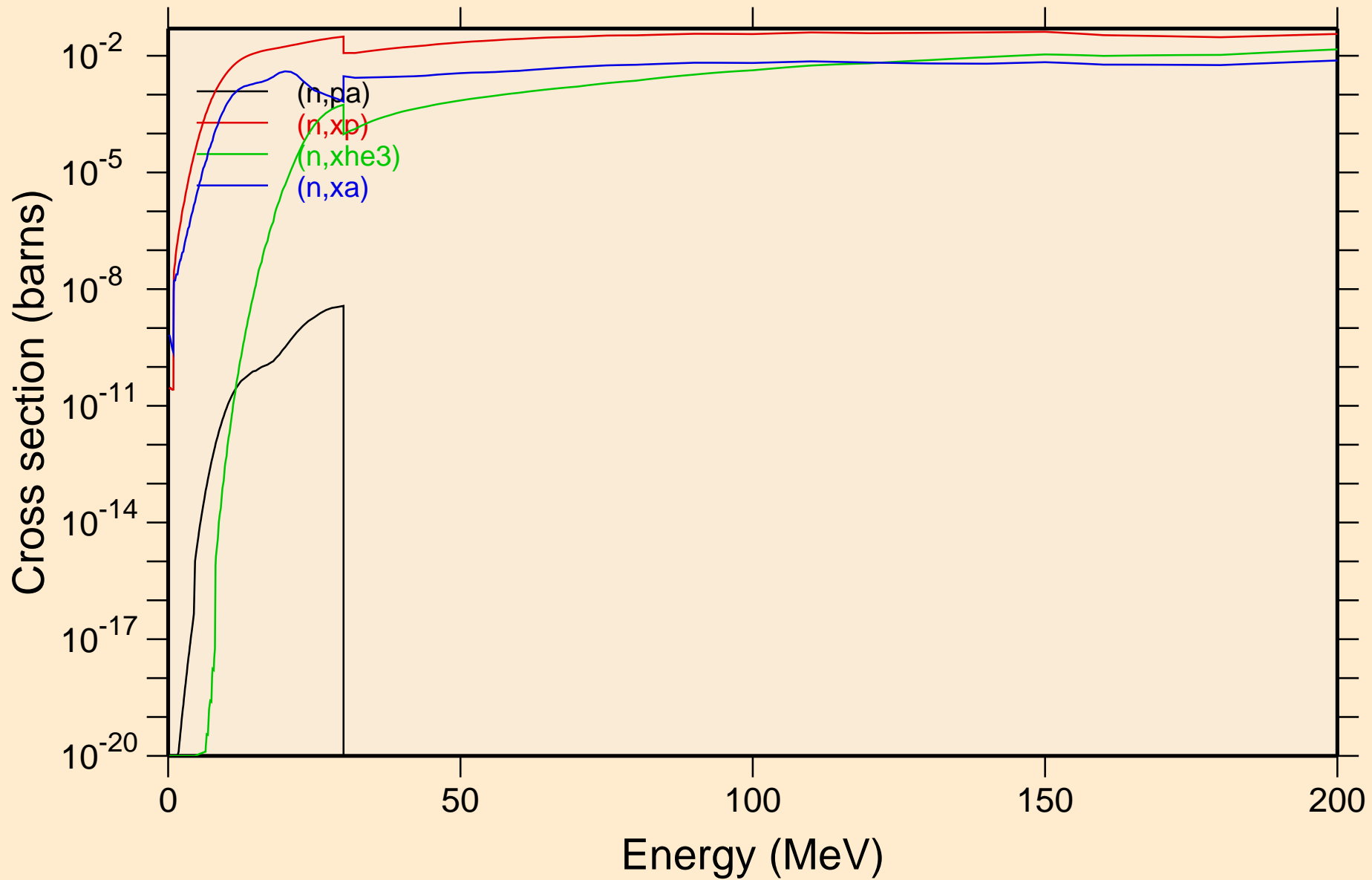
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Non-threshold reactions

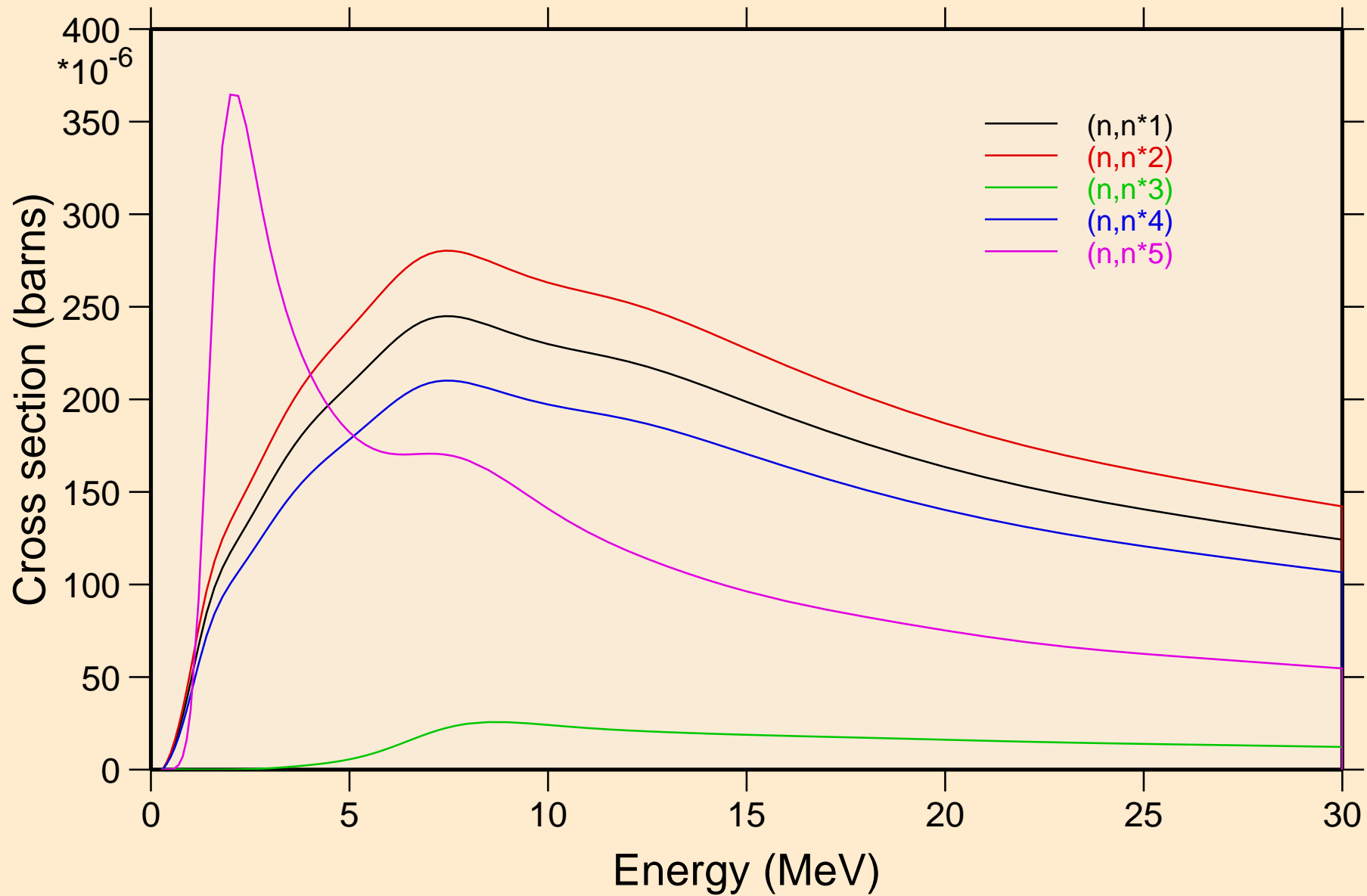


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

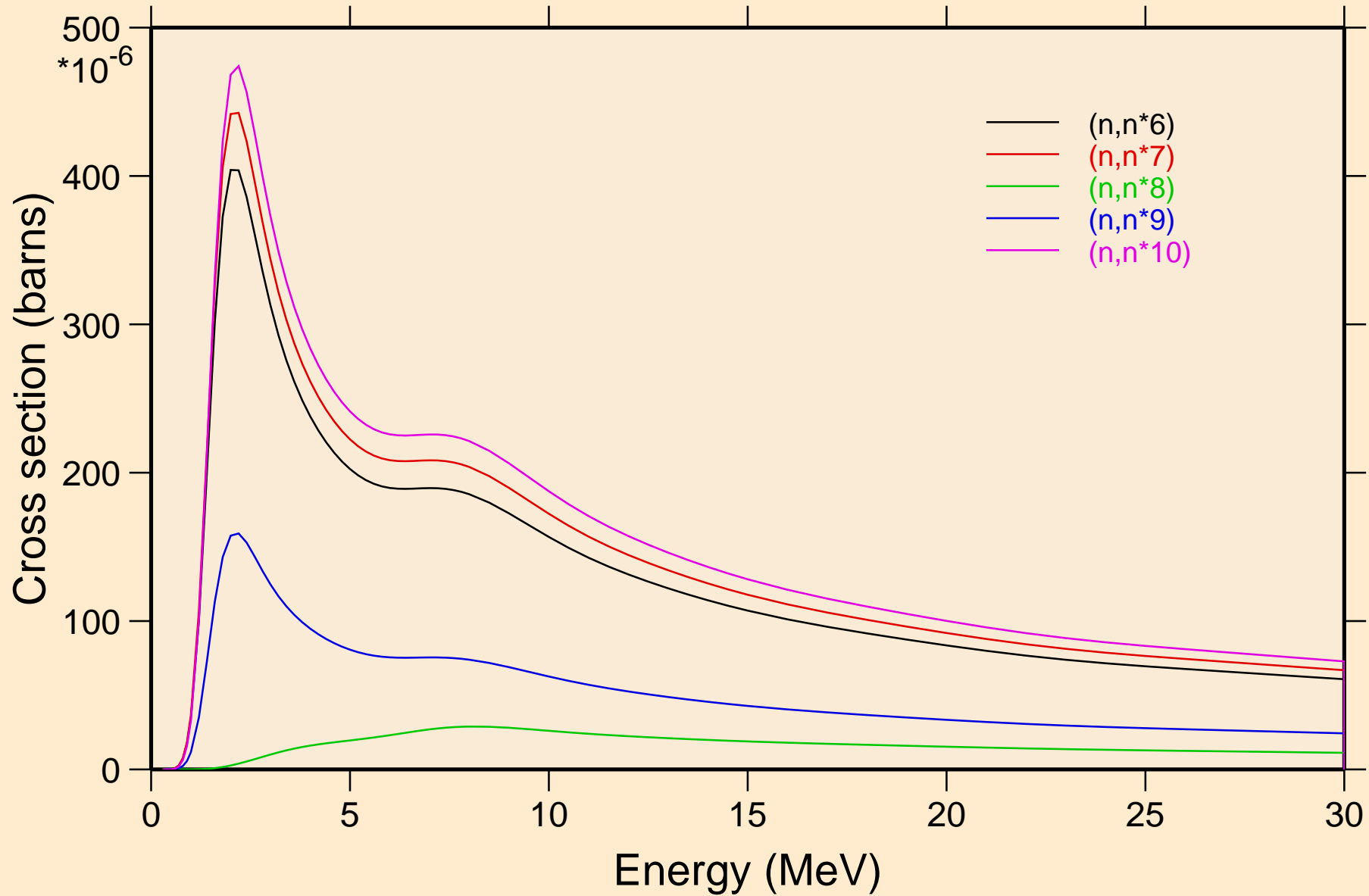


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

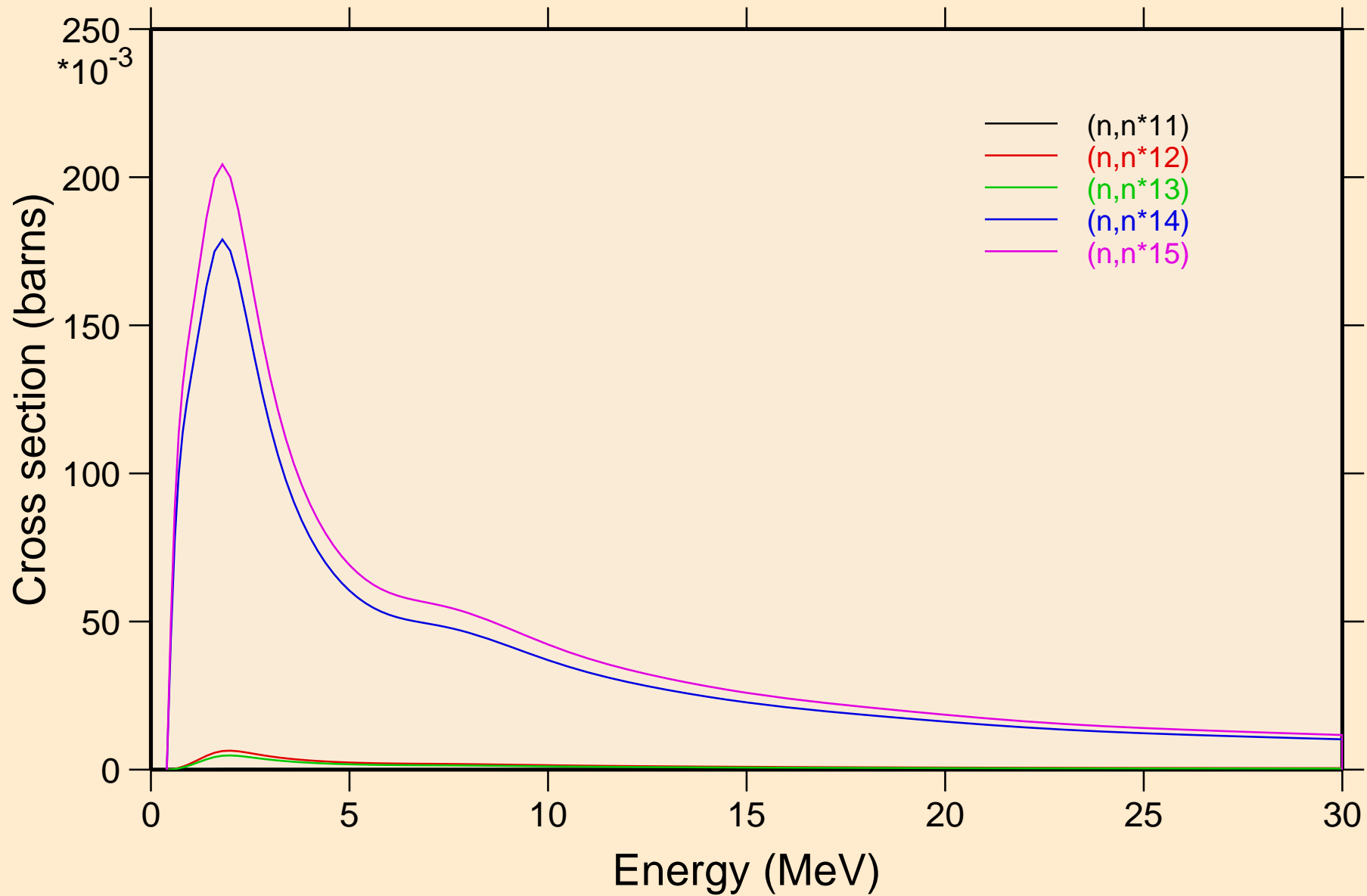


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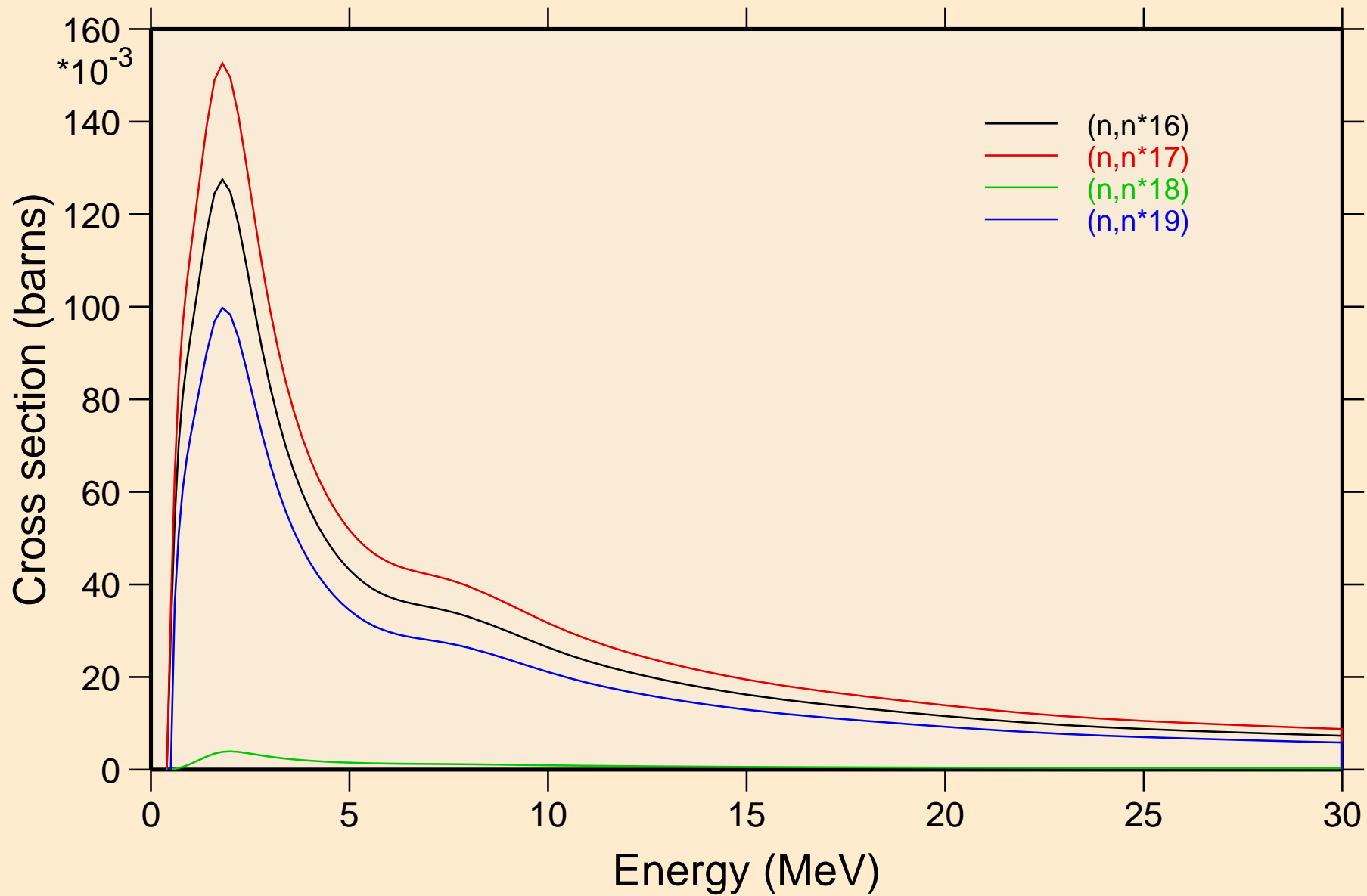
Inelastic levels



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

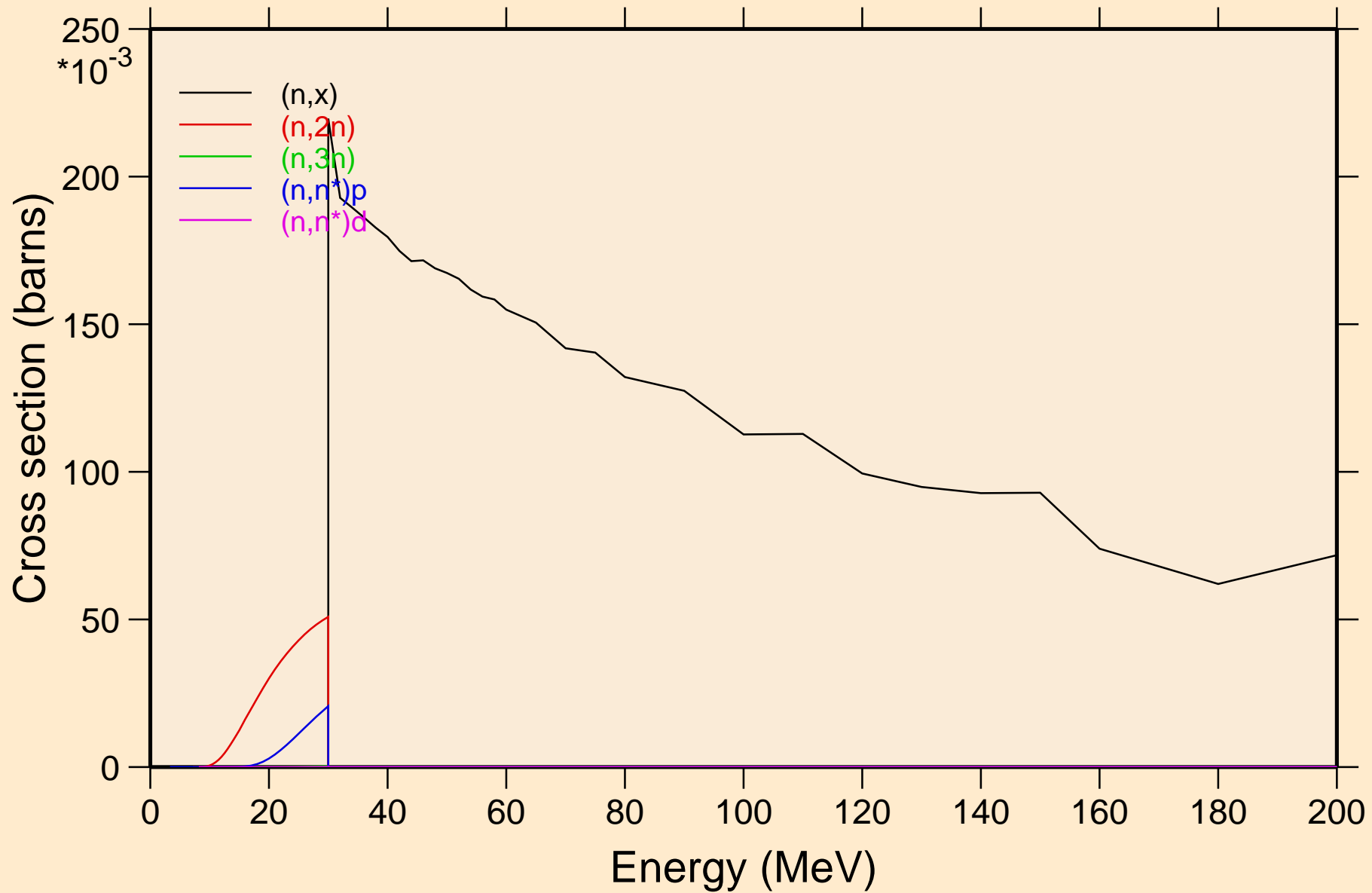


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

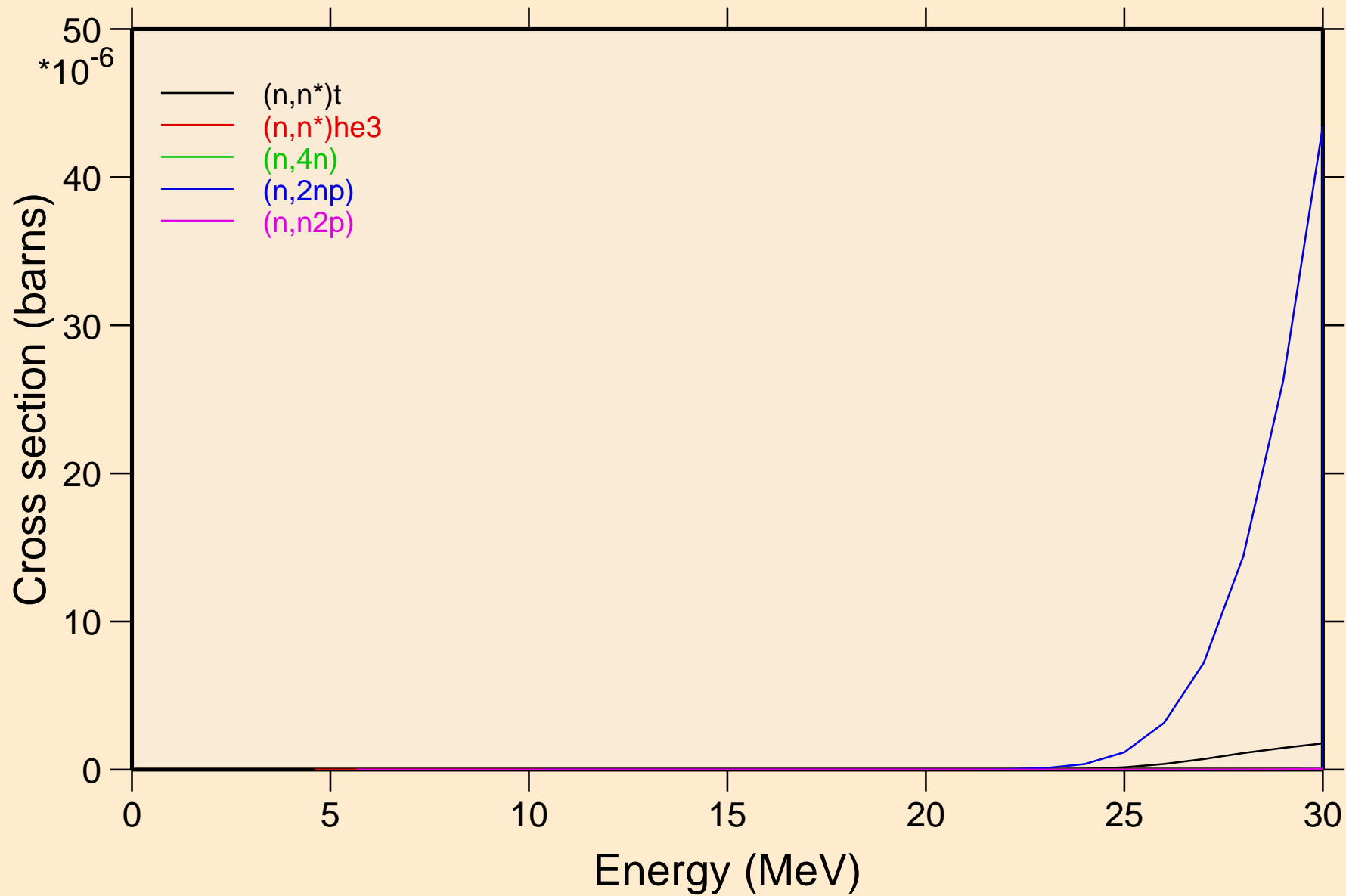


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

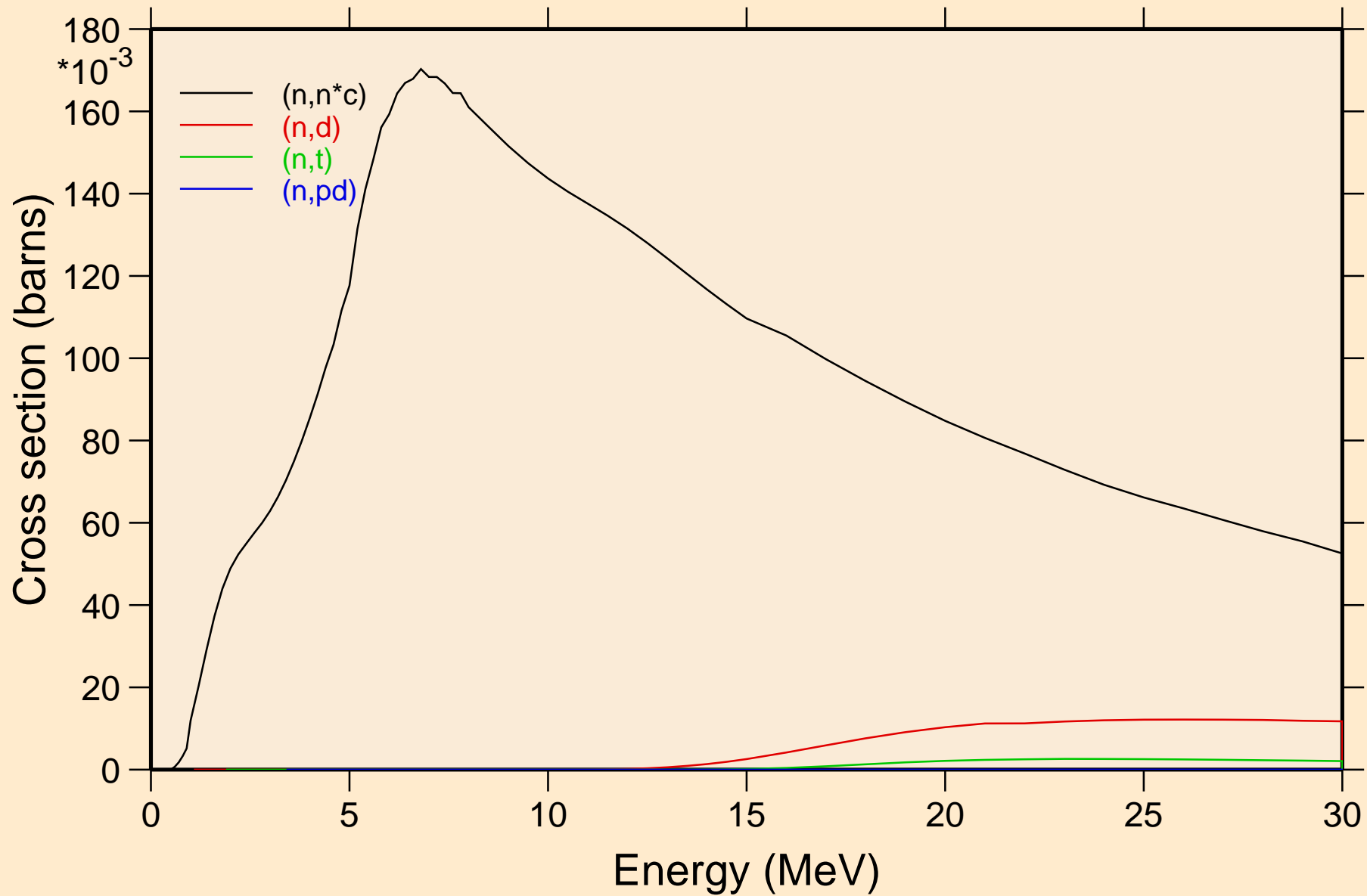


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



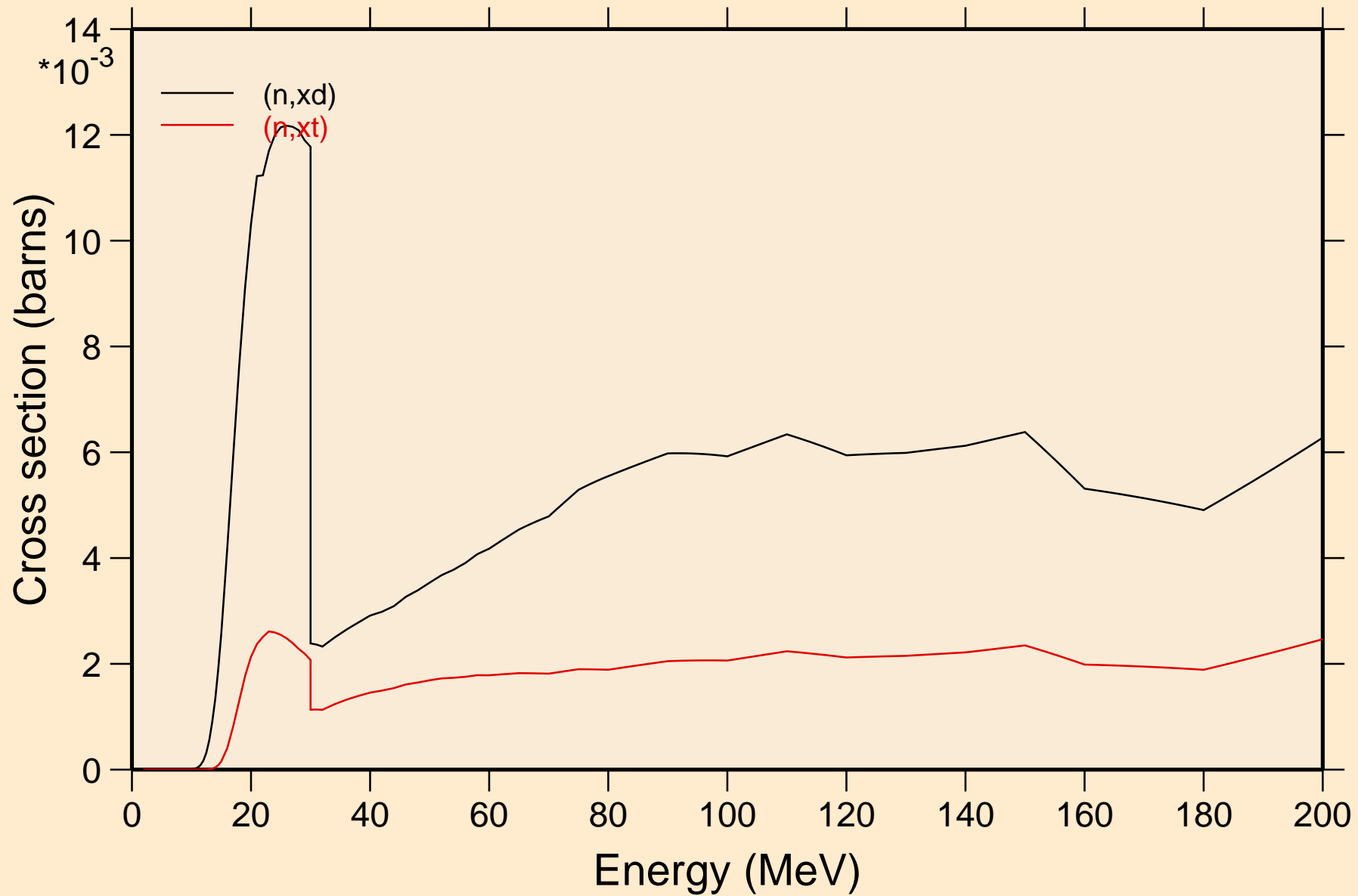
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

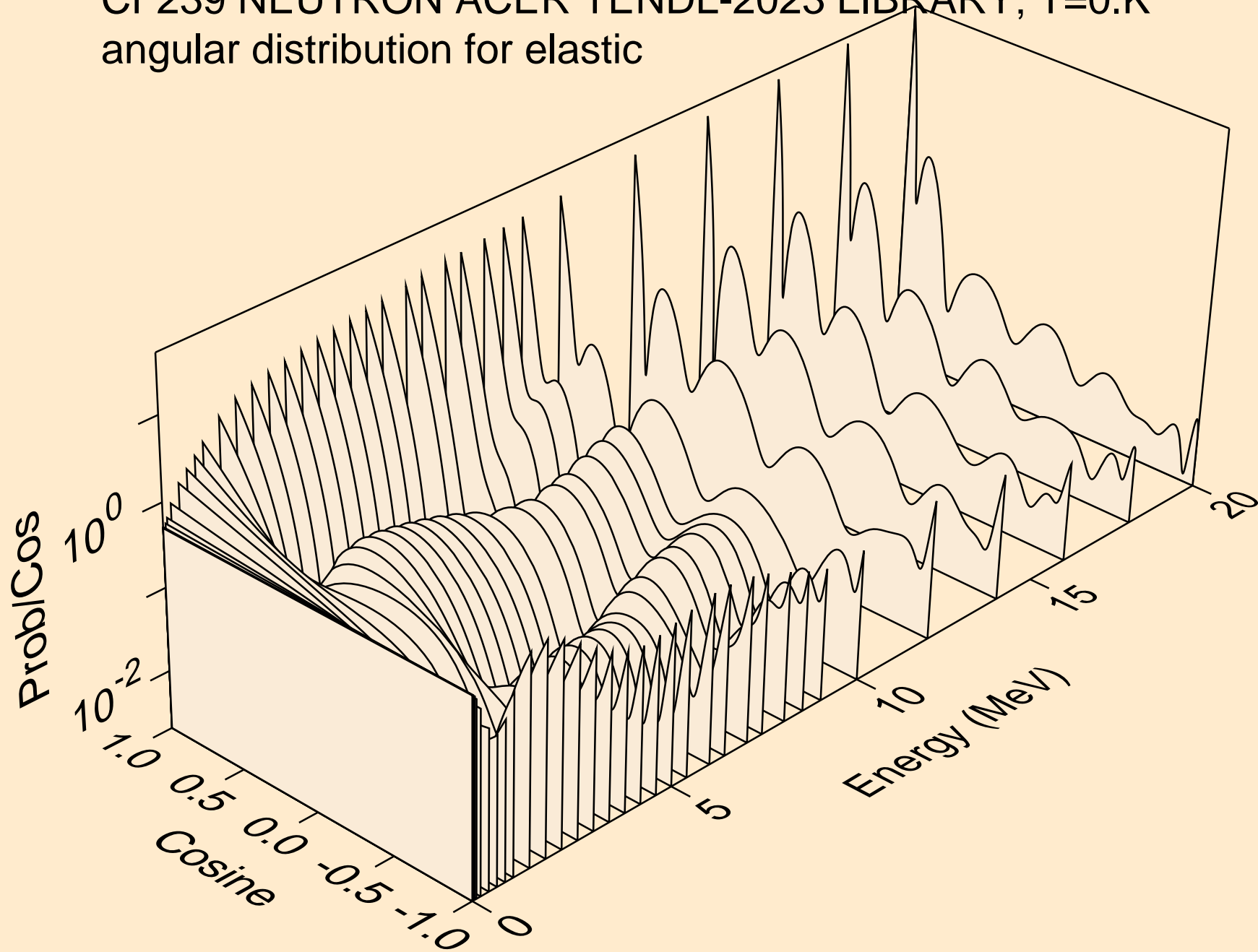


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

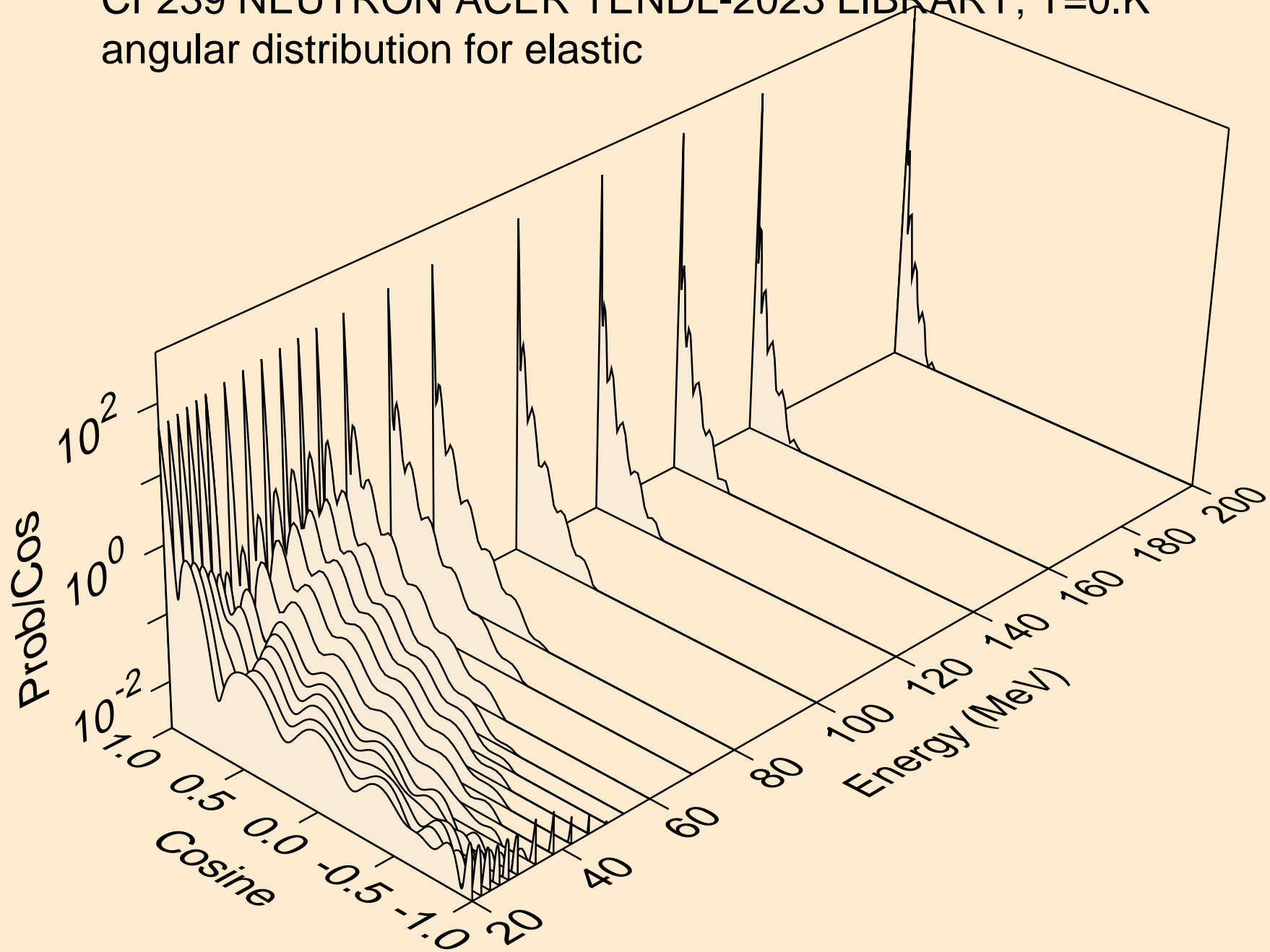
Threshold reactions



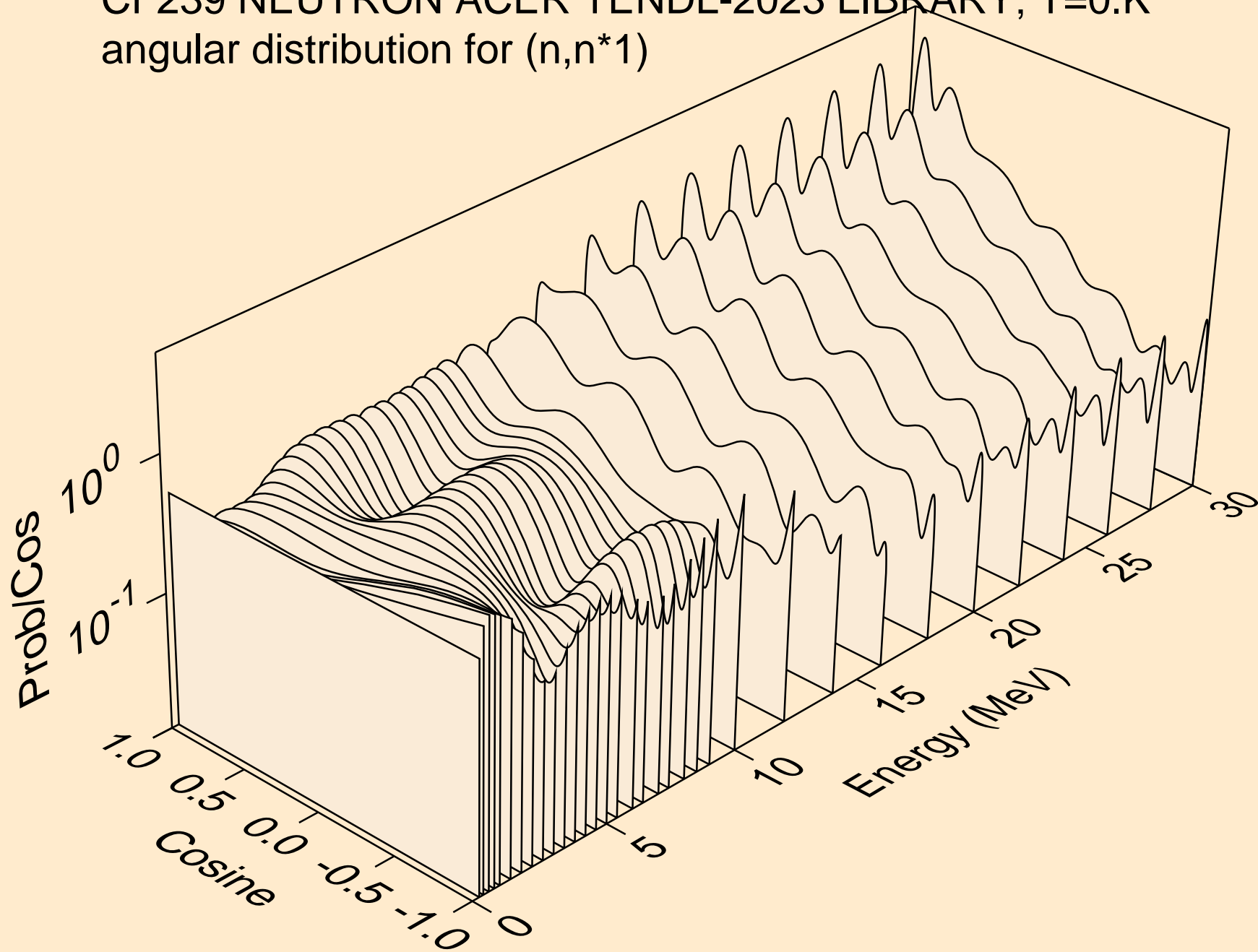
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



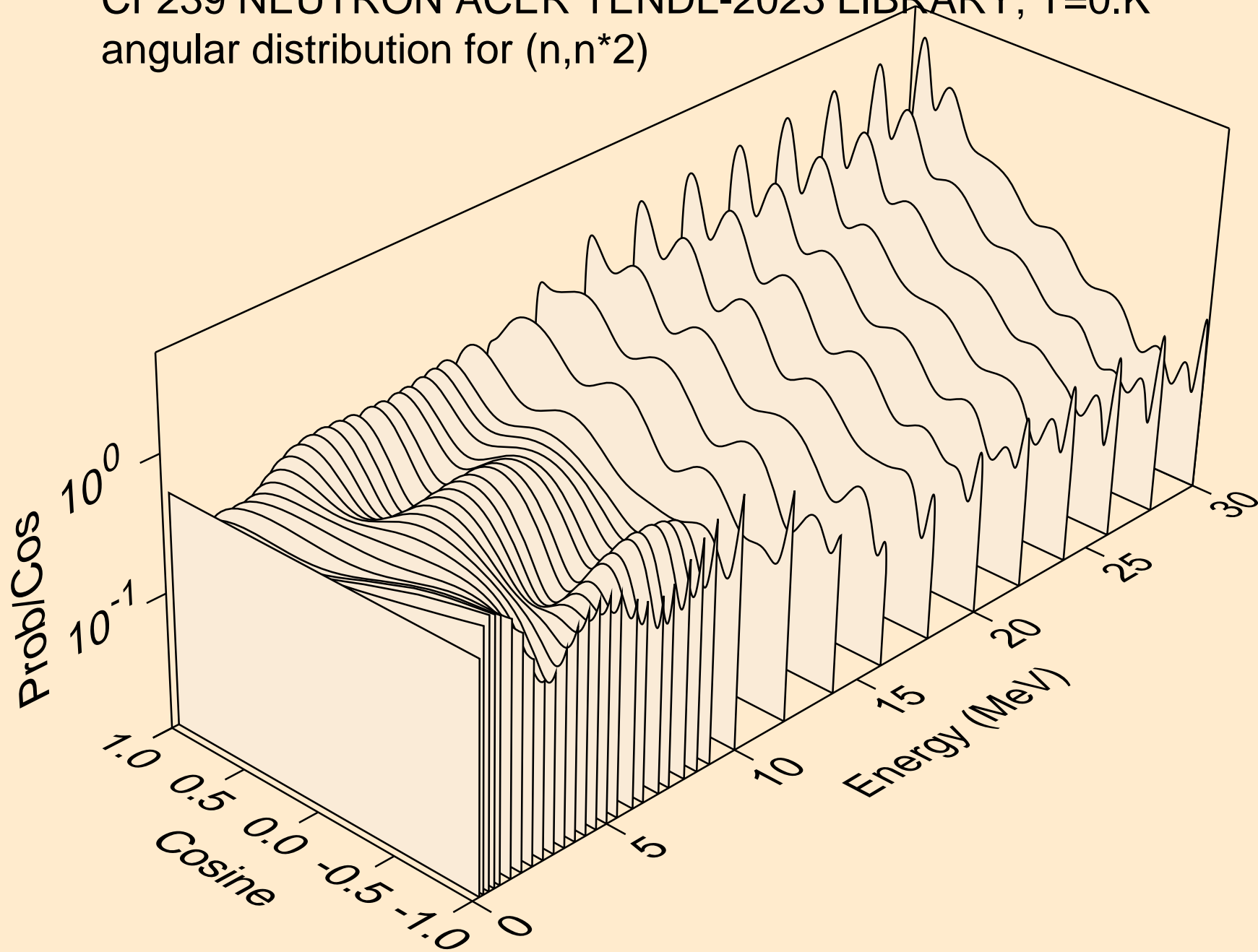
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



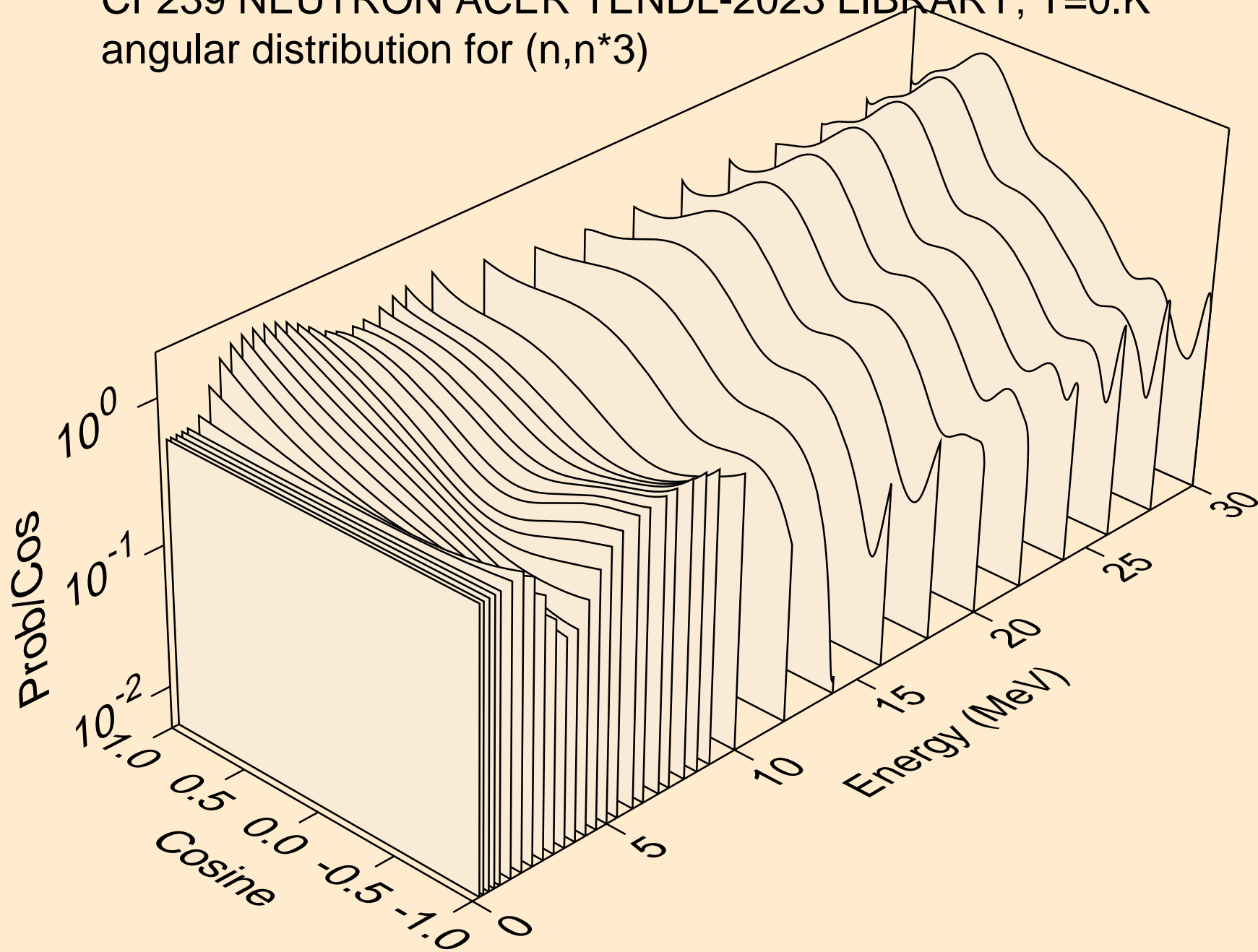
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



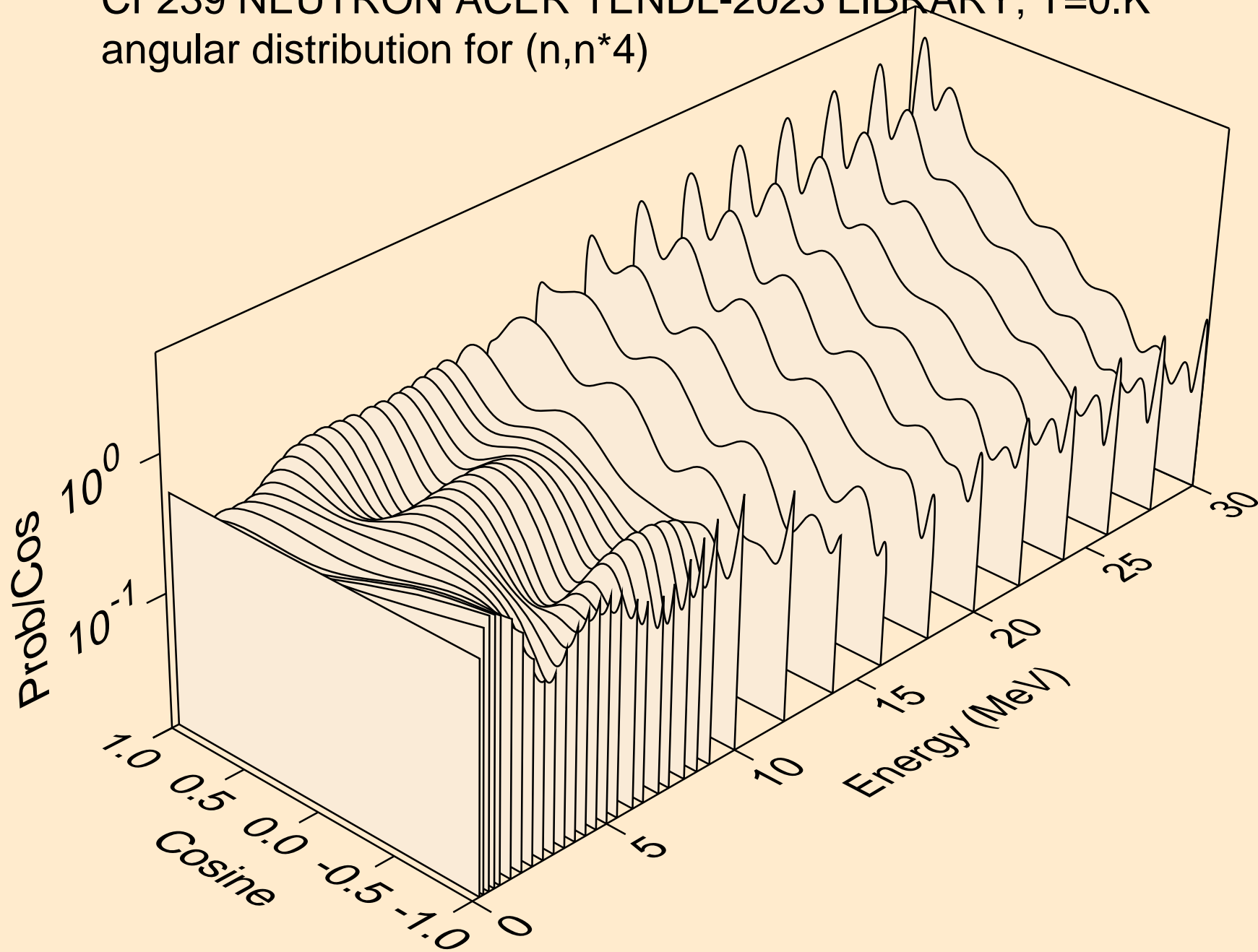
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angular distribution for (n,n*2)



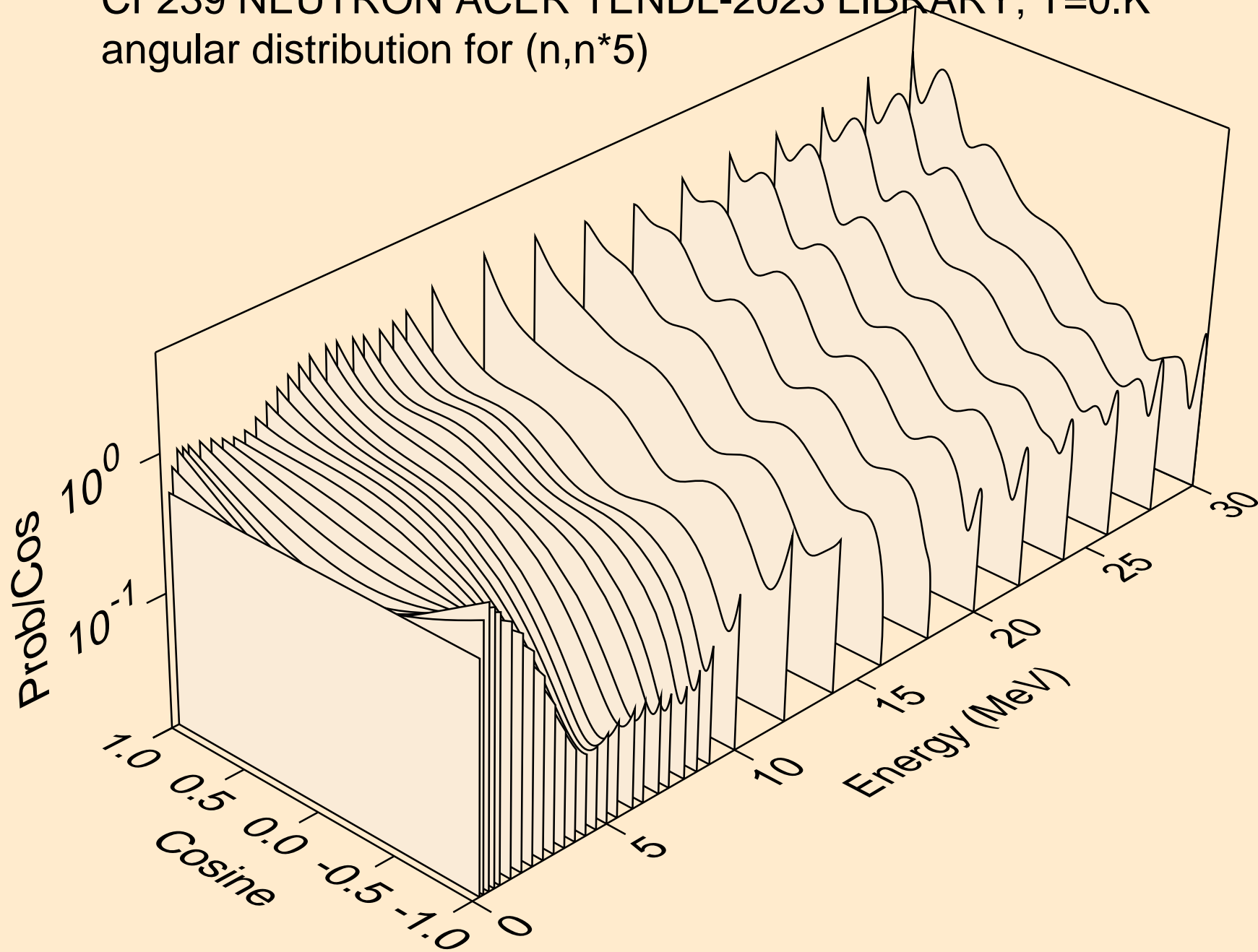
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



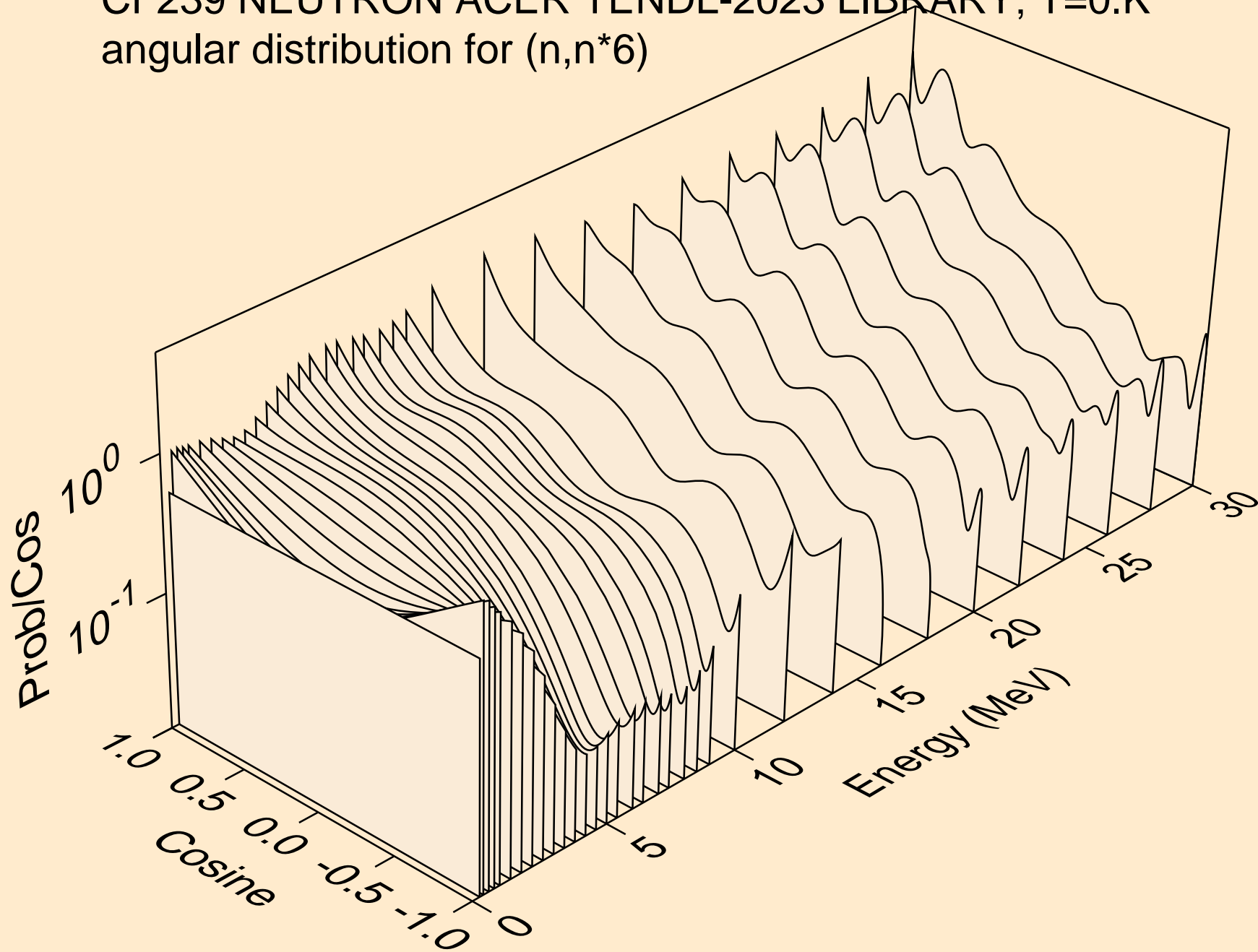
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angular distribution for (n,n*4)



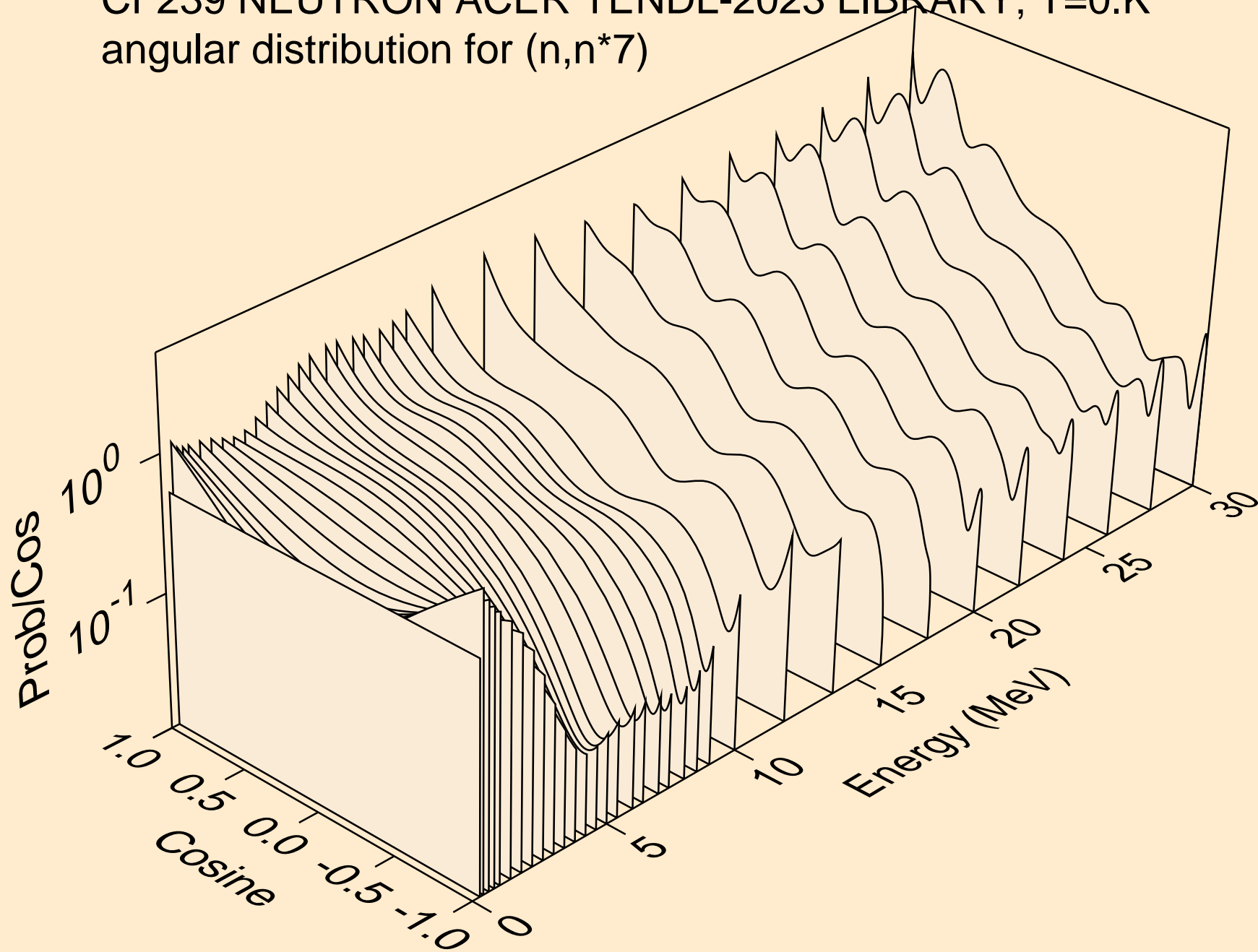
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angular distribution for (n,n*5)



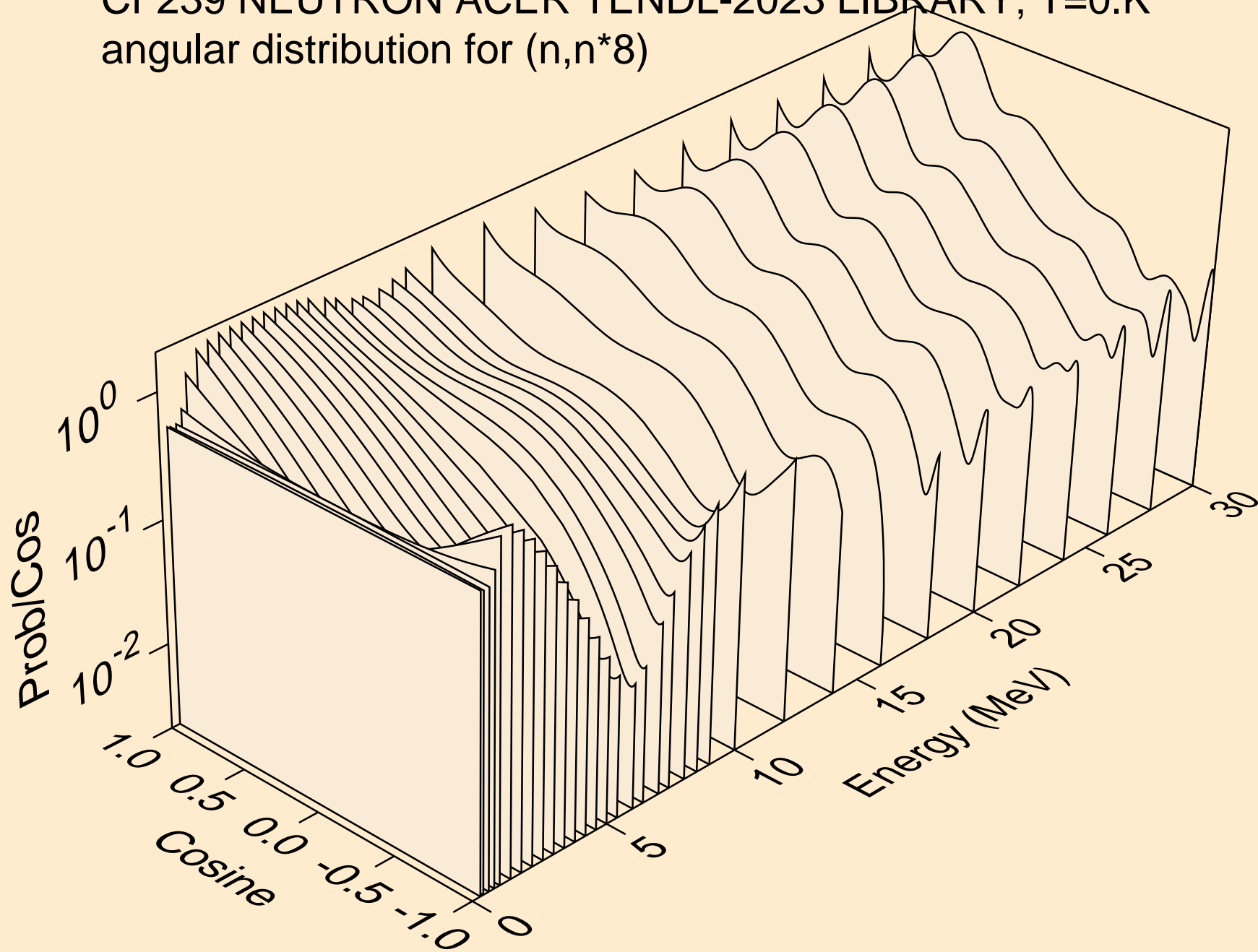
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angular distribution for (n,n*6)



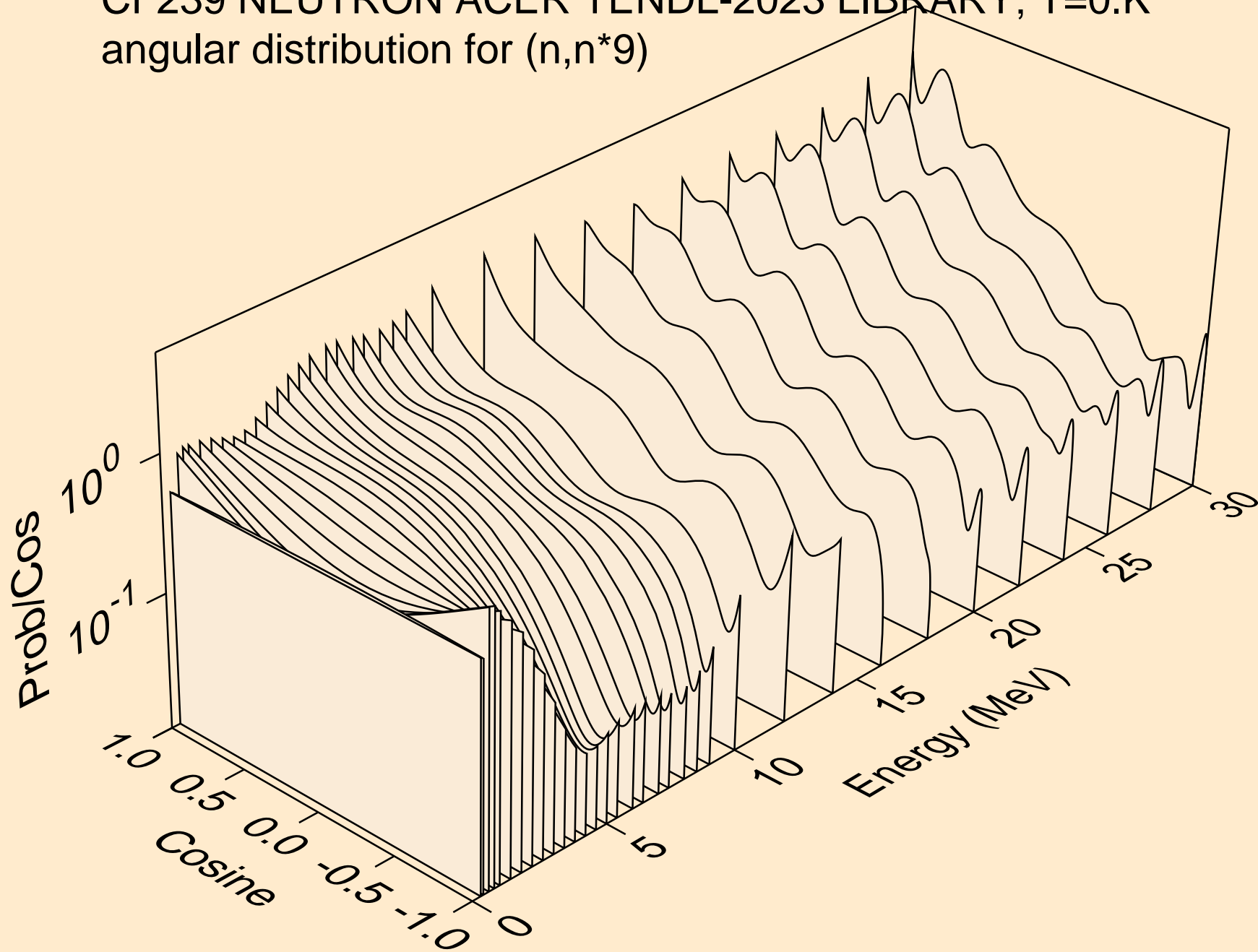
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angular distribution for (n,n*7)



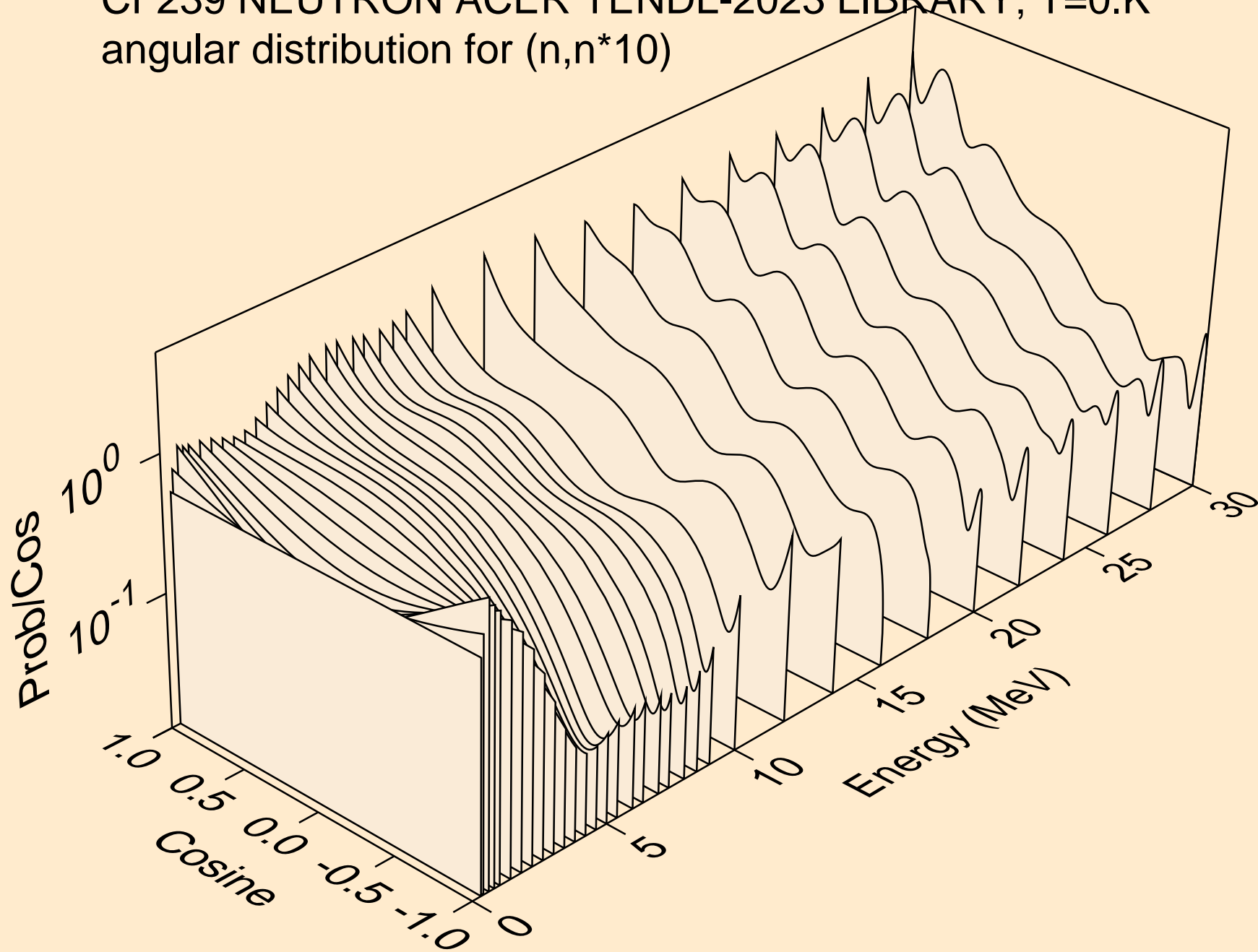
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angular distribution for (n,n*8)



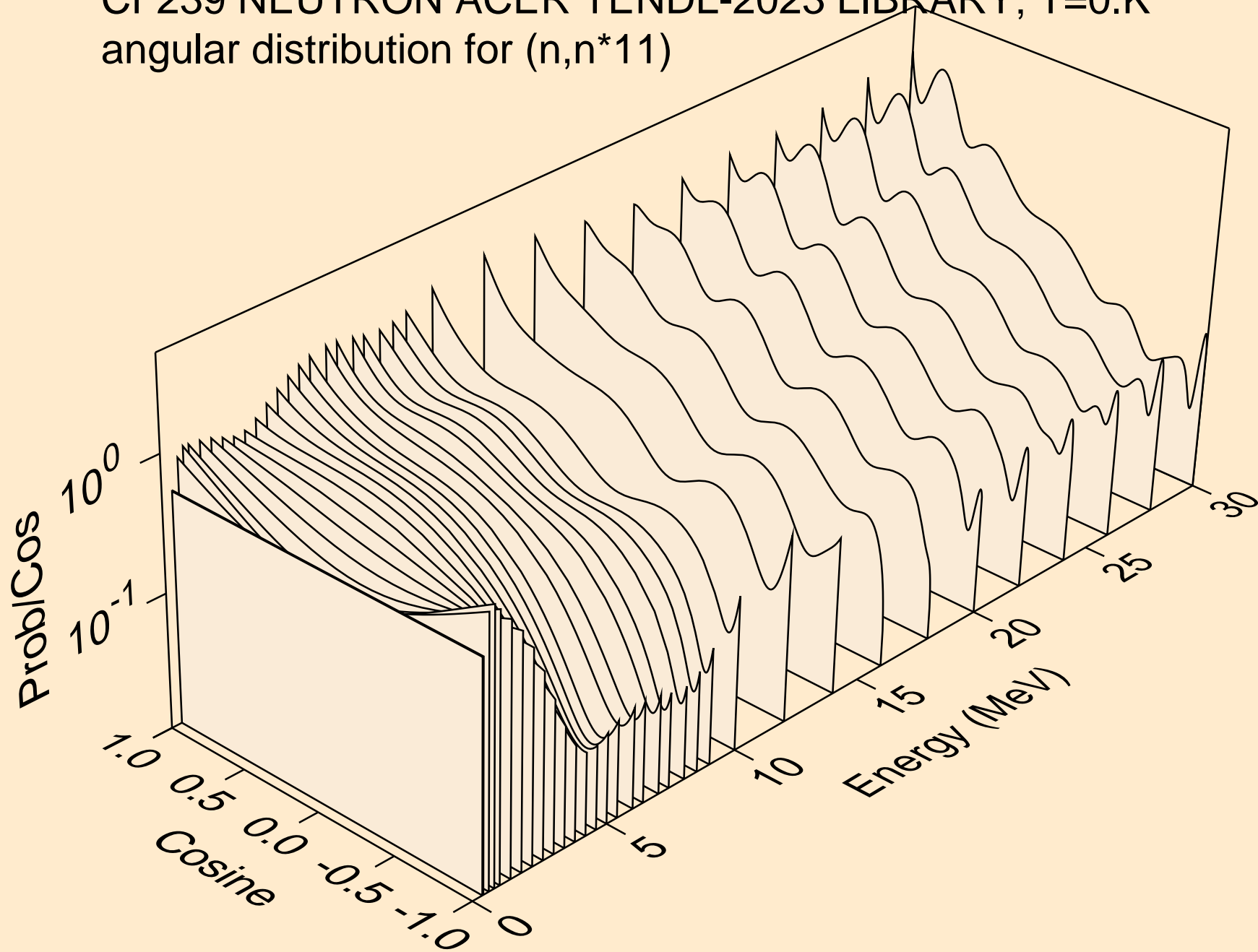
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angular distribution for (n,n*9)



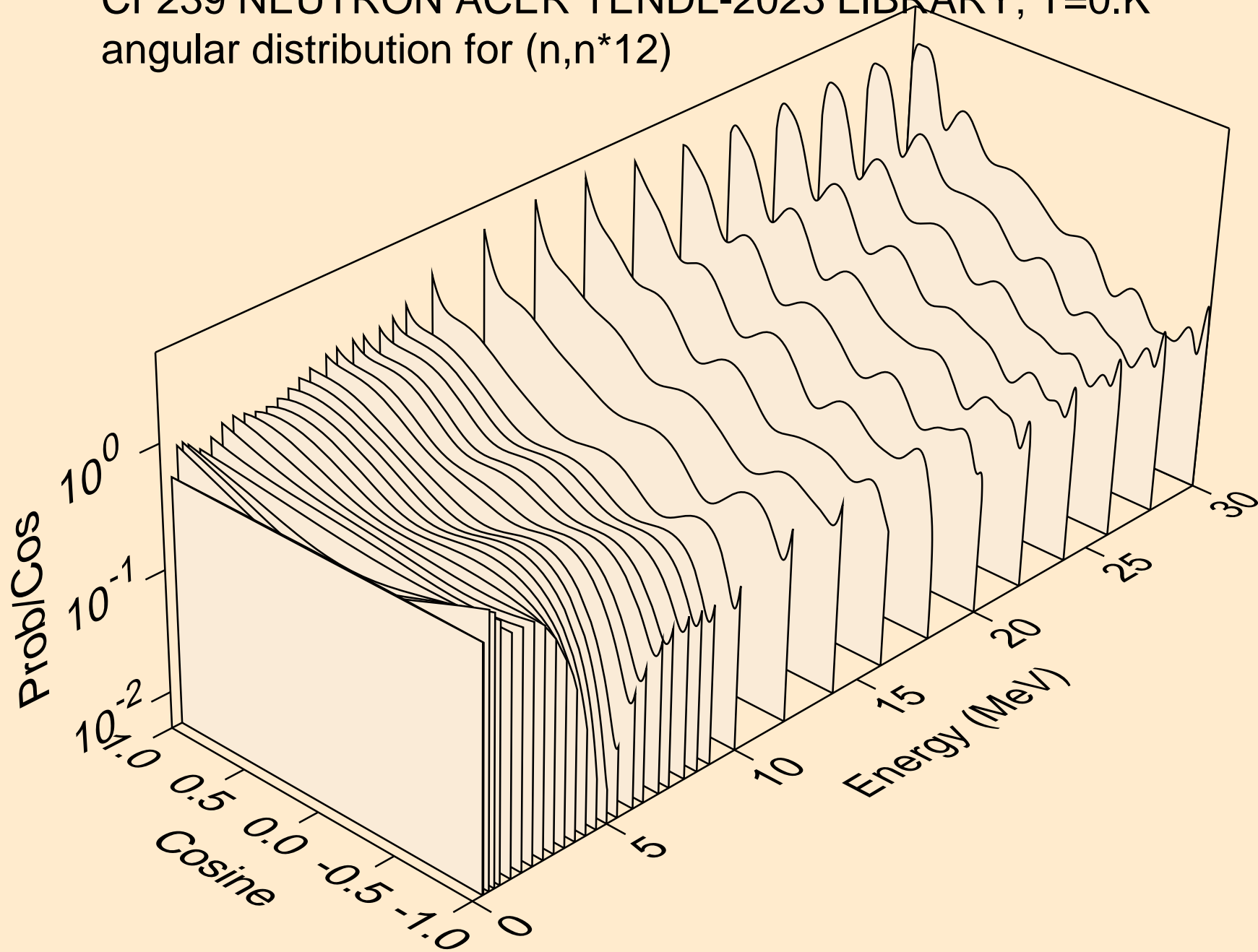
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



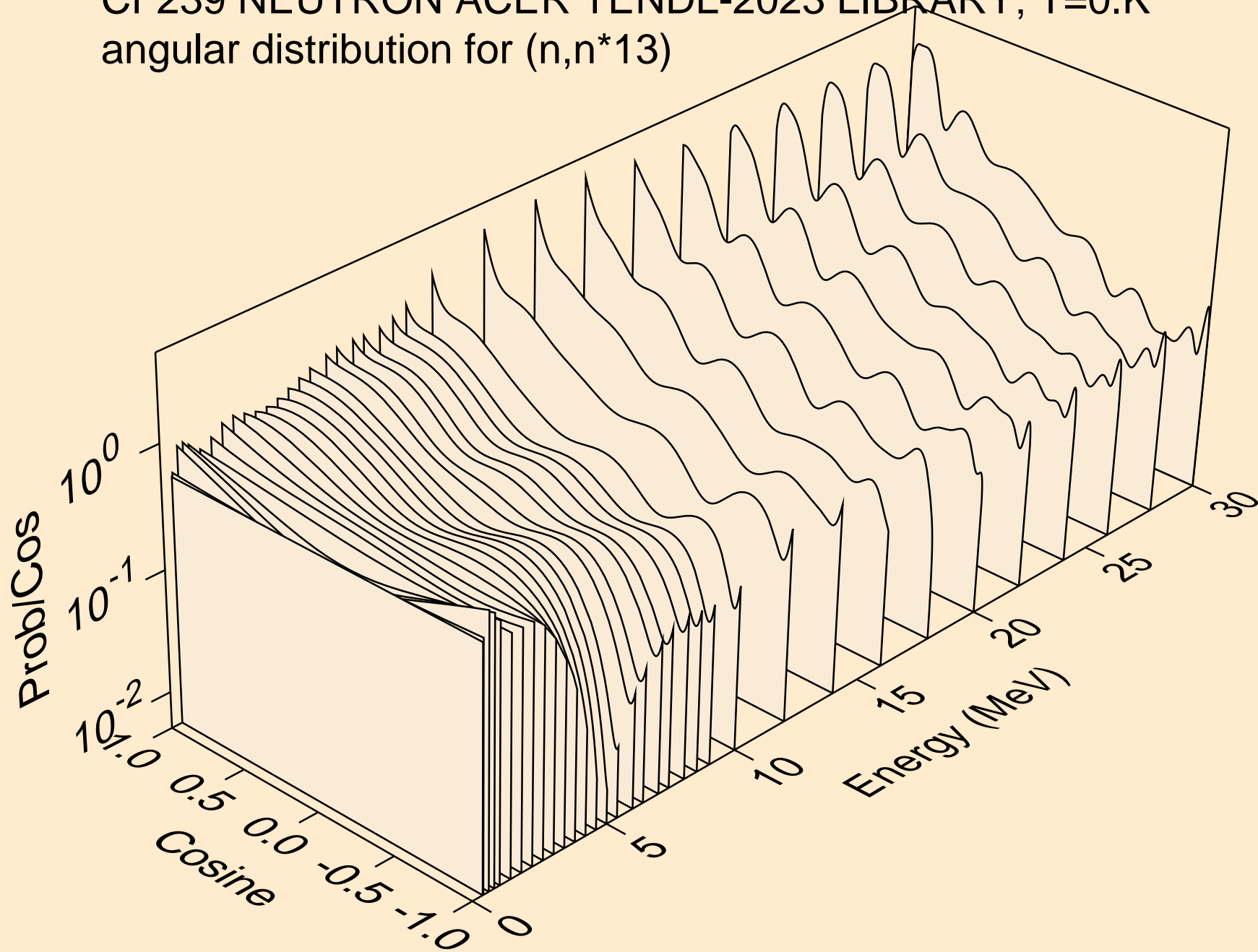
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angular distribution for (n,n*11)



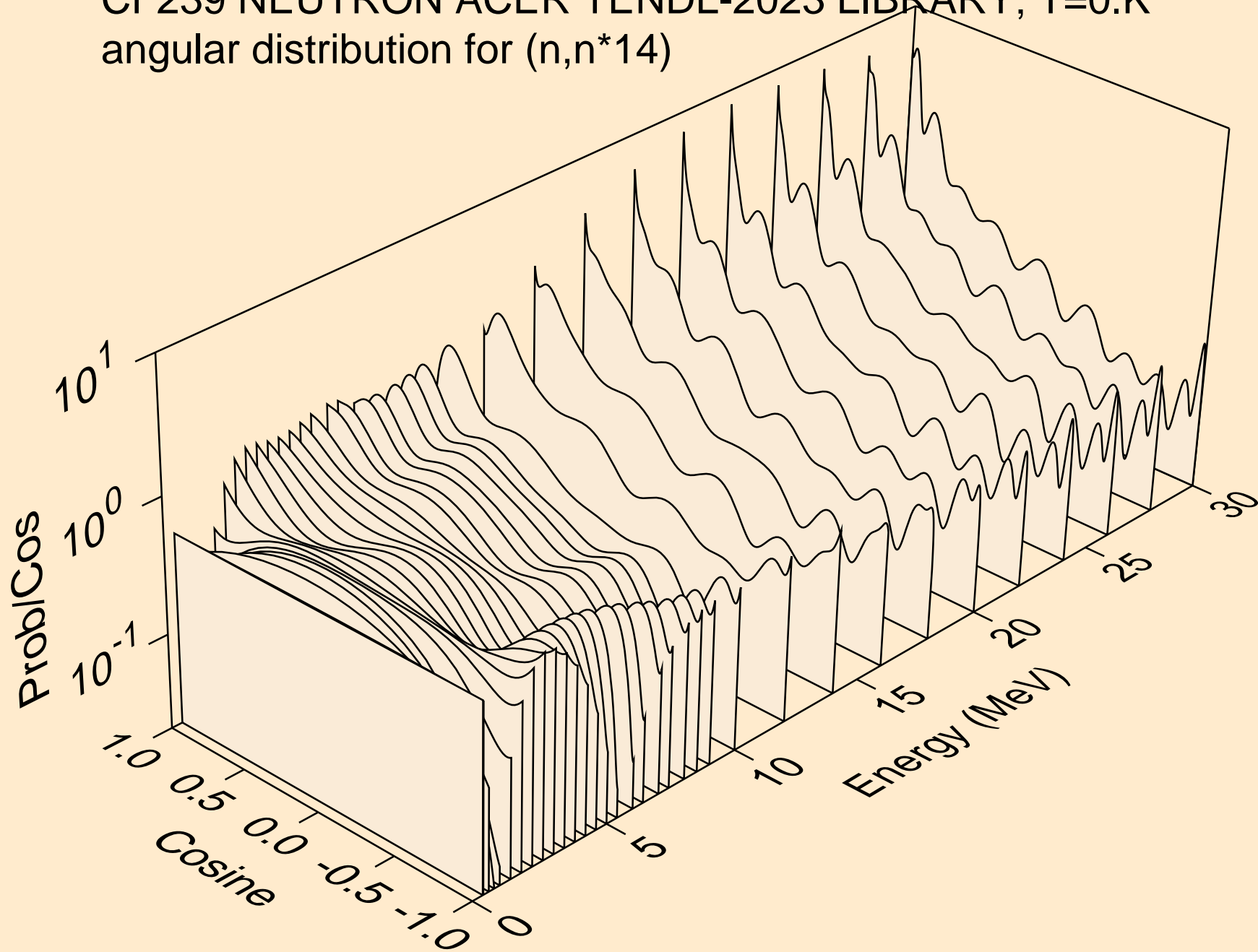
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angular distribution for (n,n*12)



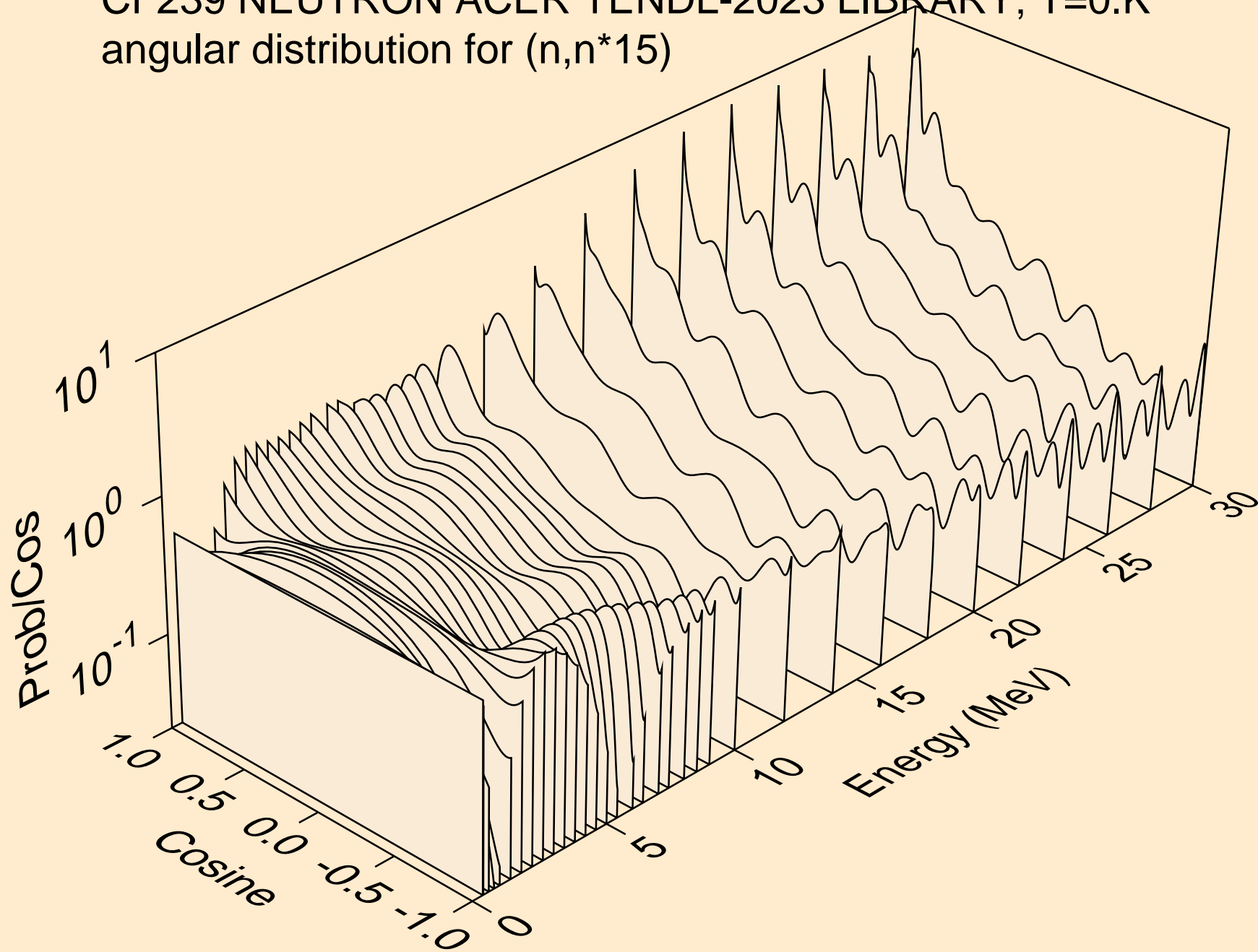
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angular distribution for (n,n*13)



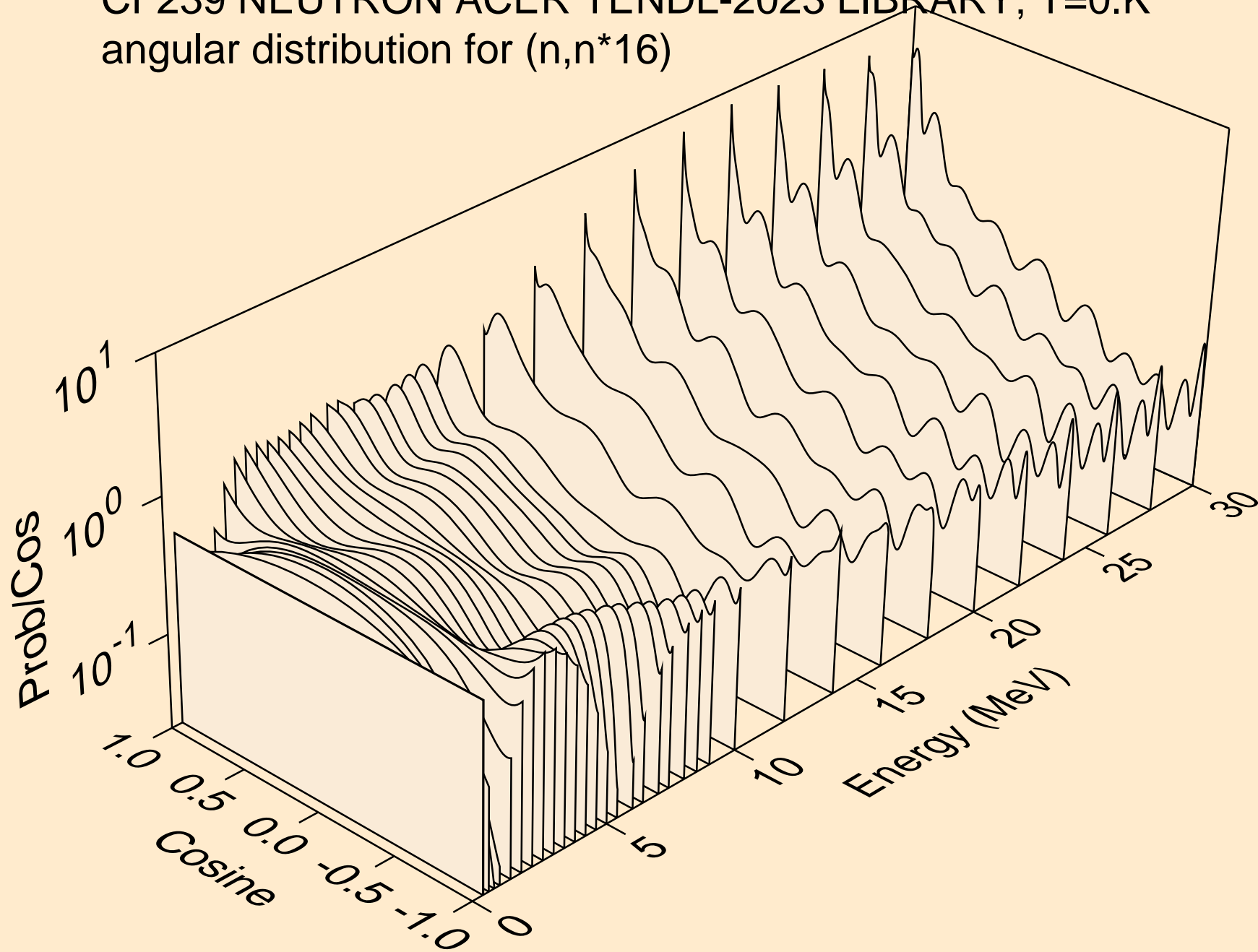
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angular distribution for (n,n*14)



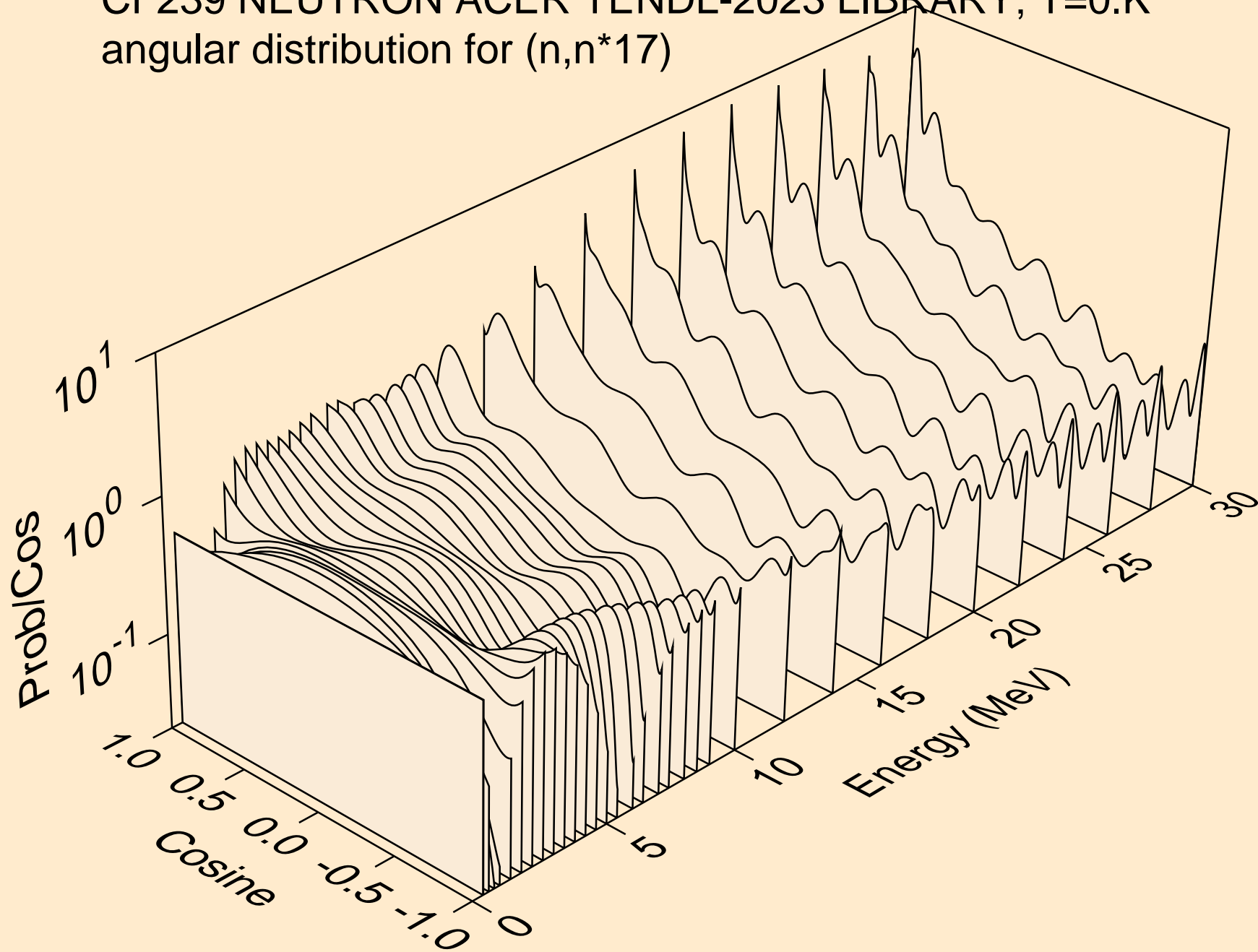
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angular distribution for (n,n*15)



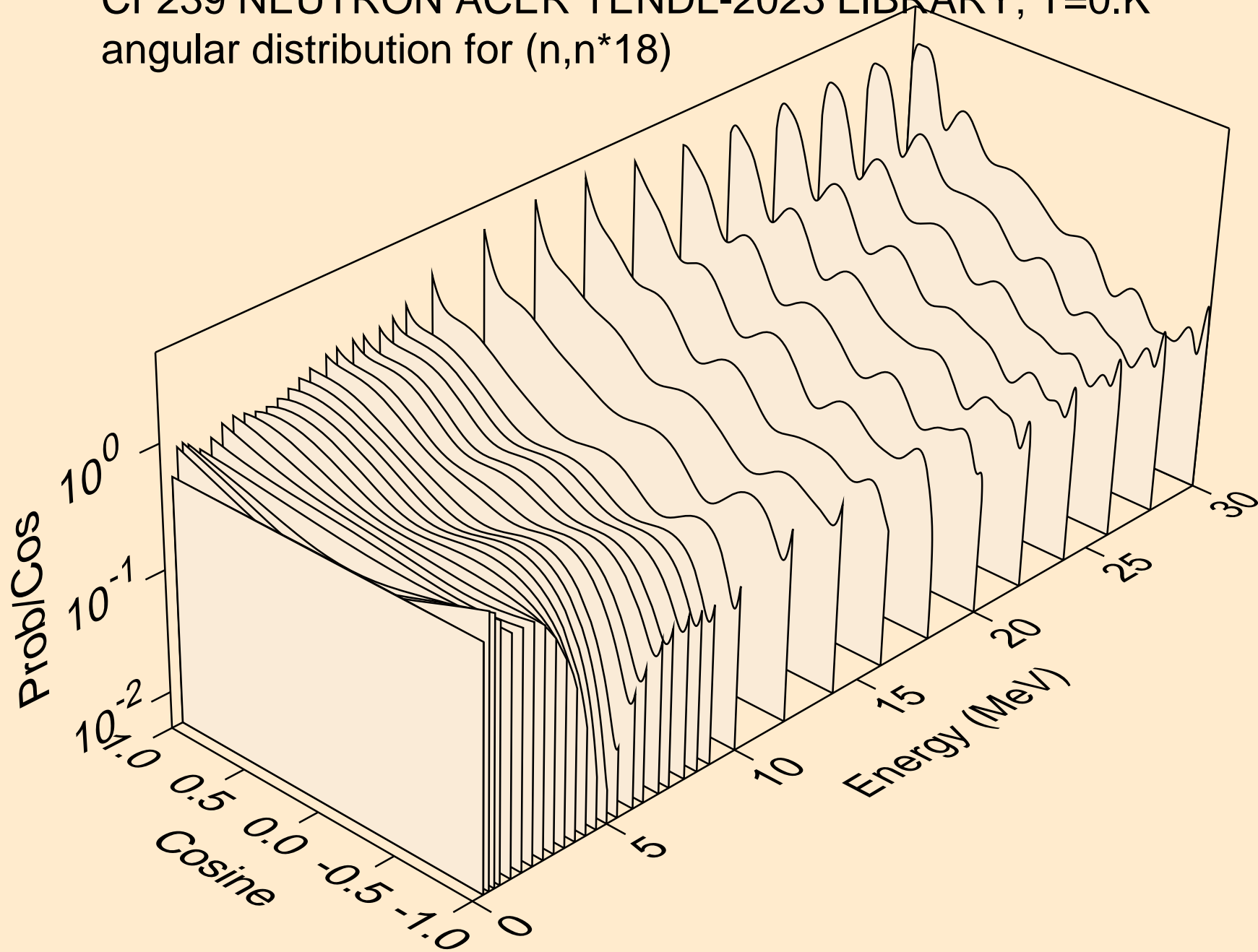
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angular distribution for (n,n*16)



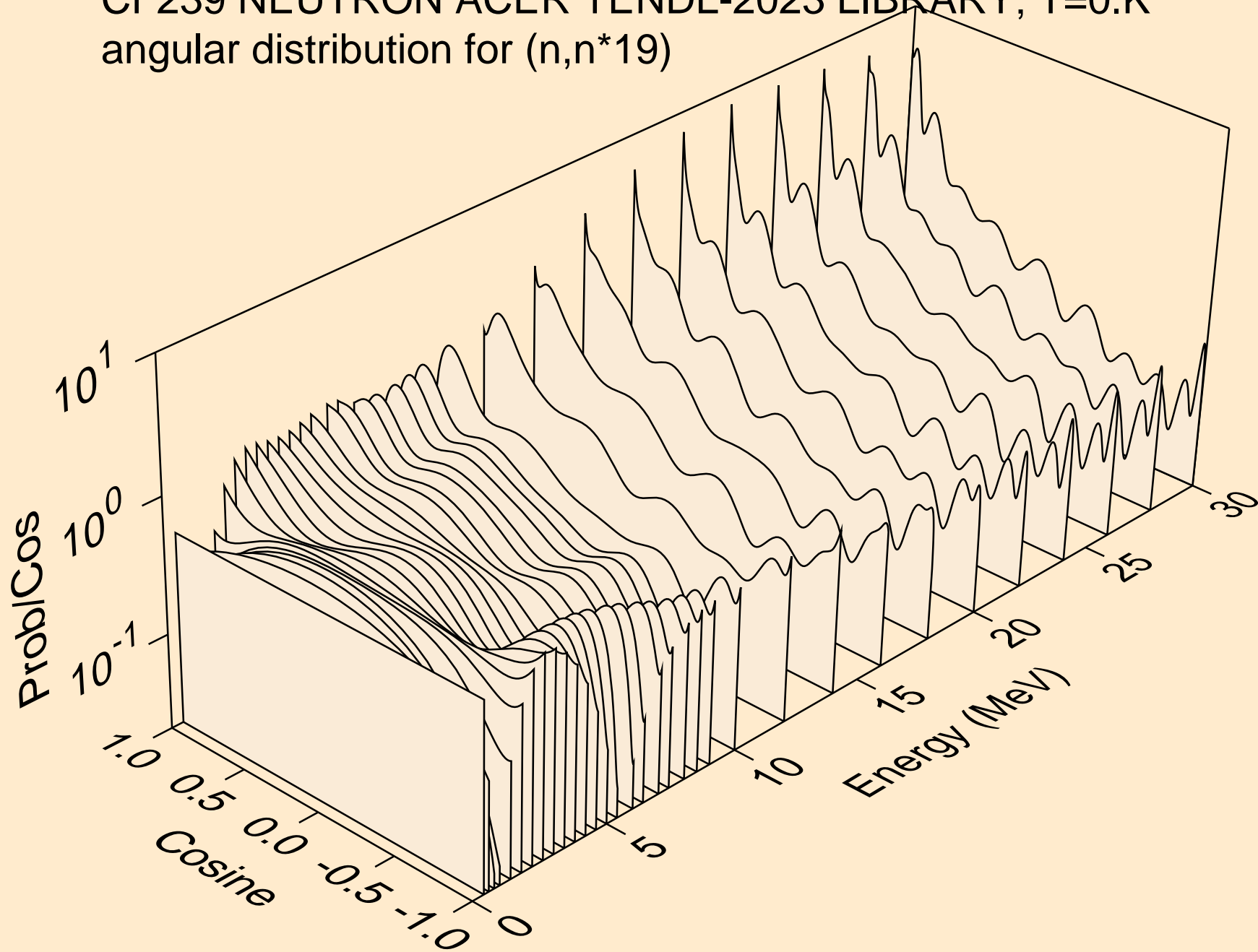
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*17)



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*18)

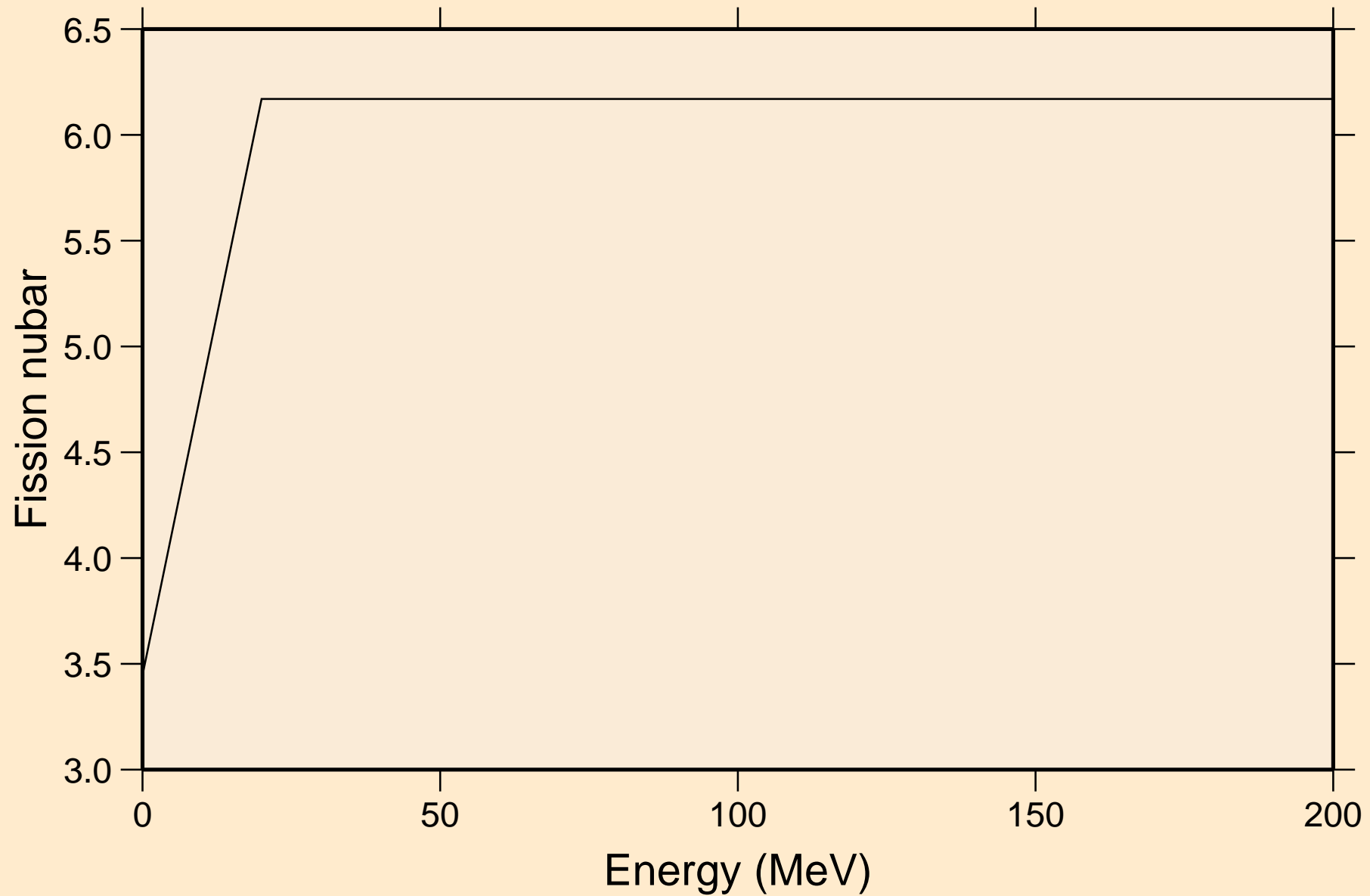


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*19)

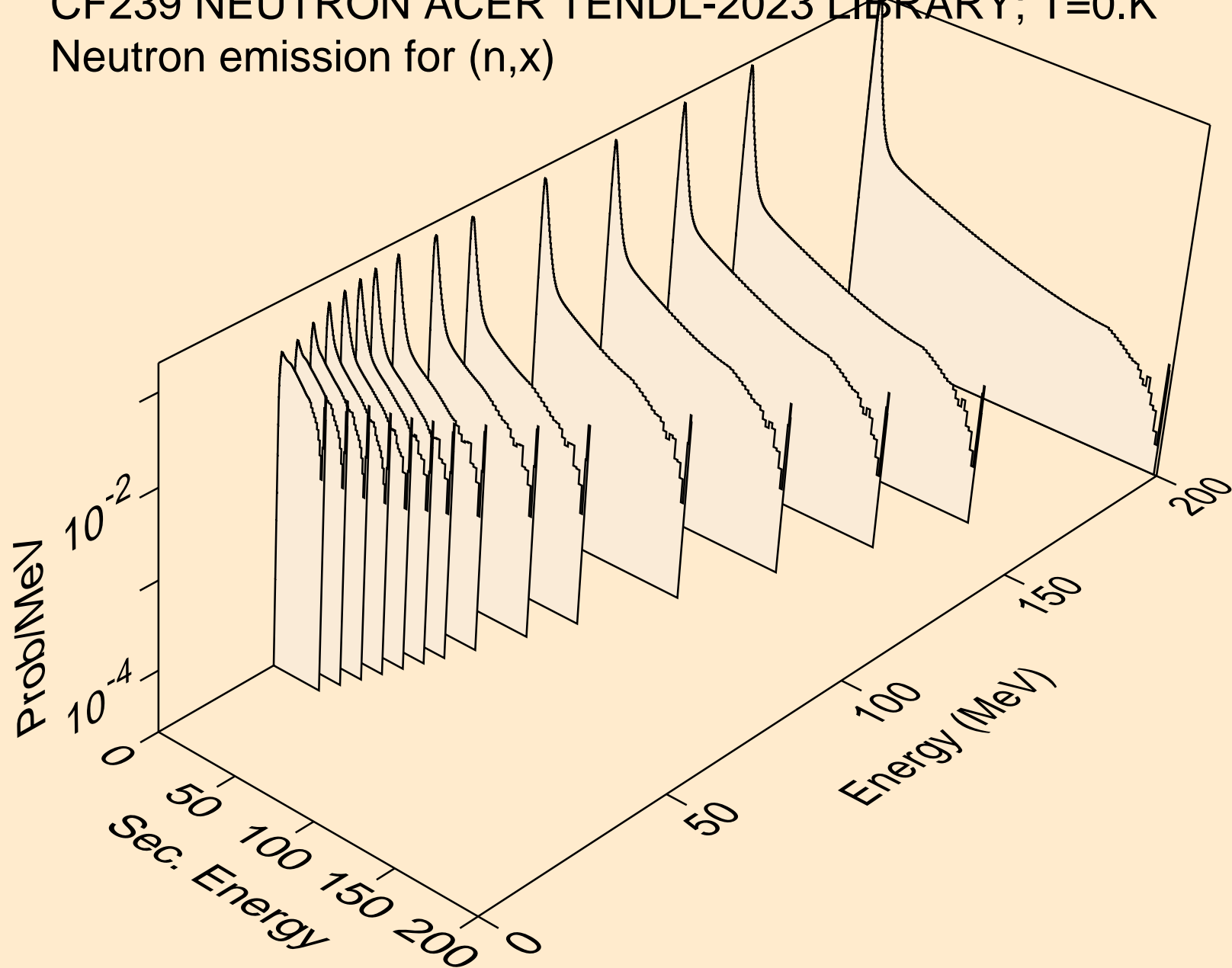


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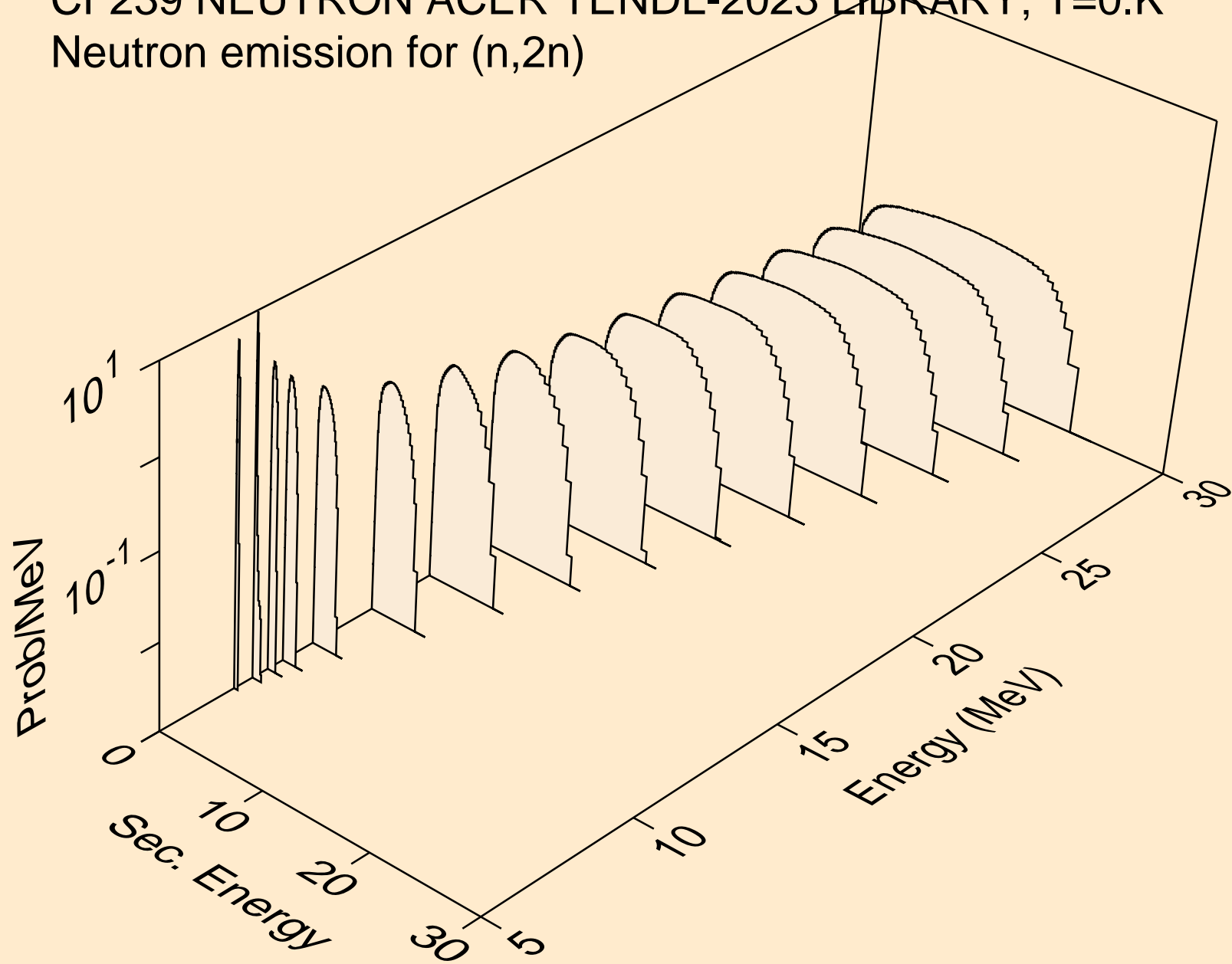
Total fission nubar



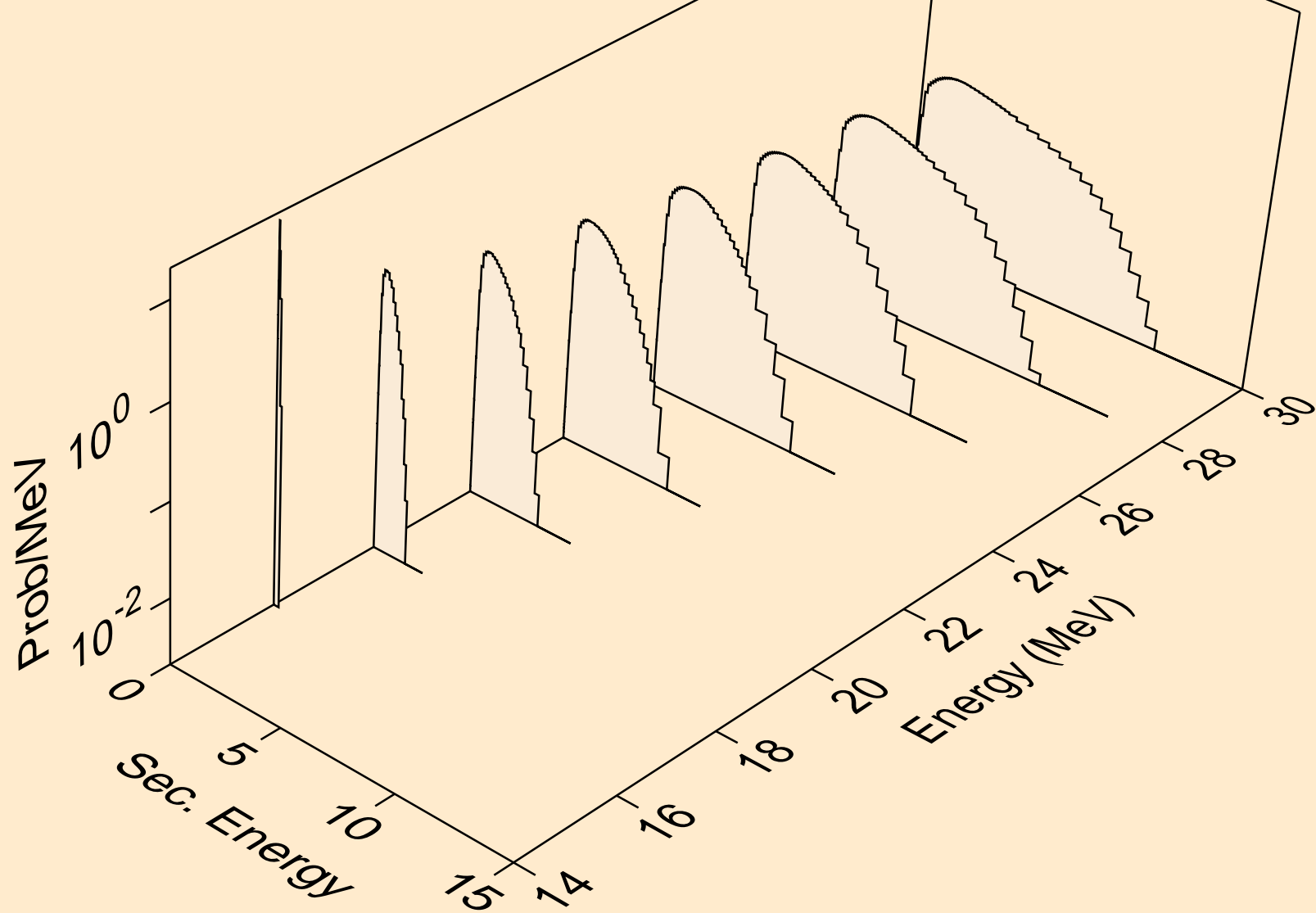
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



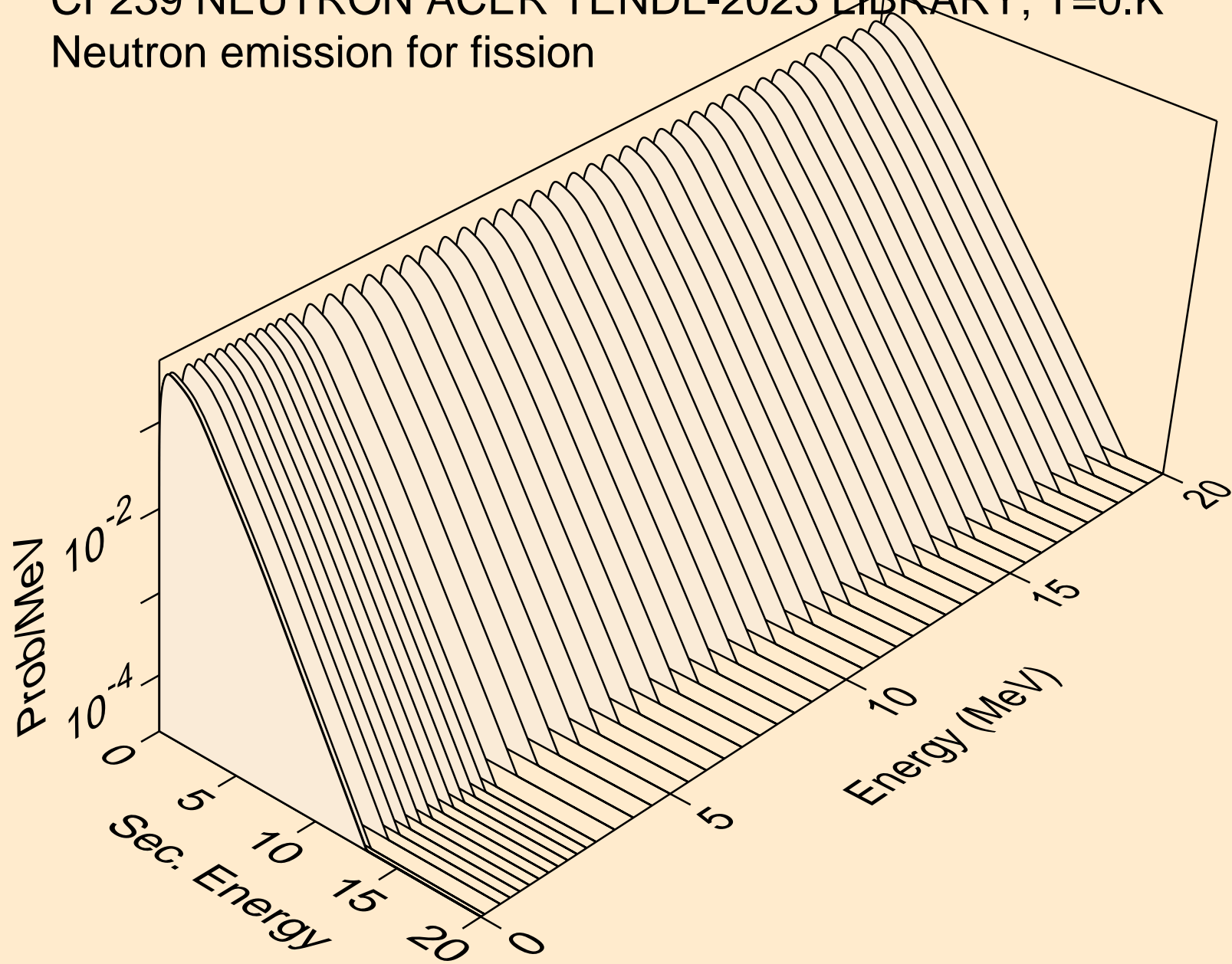
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



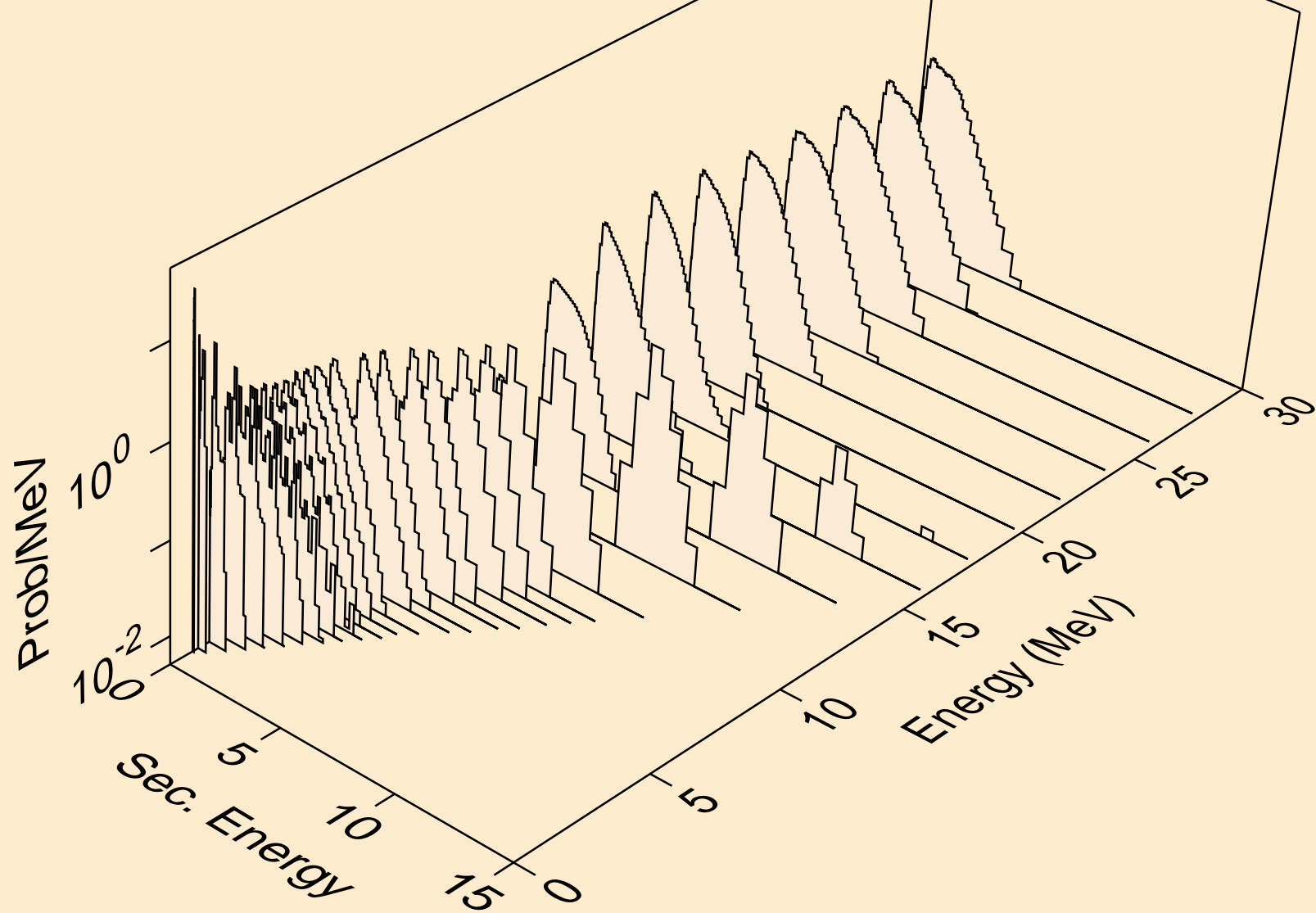
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



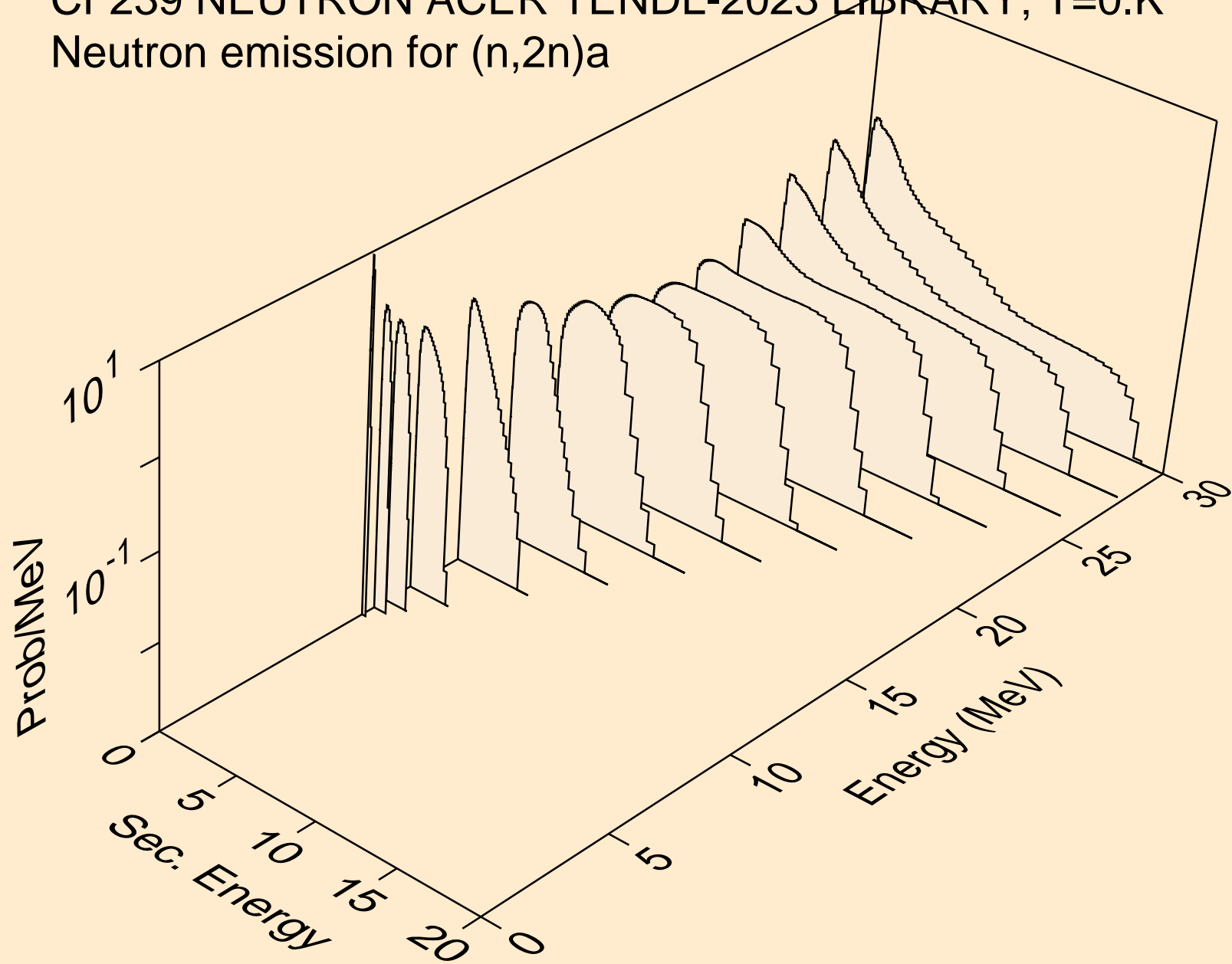
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for fission



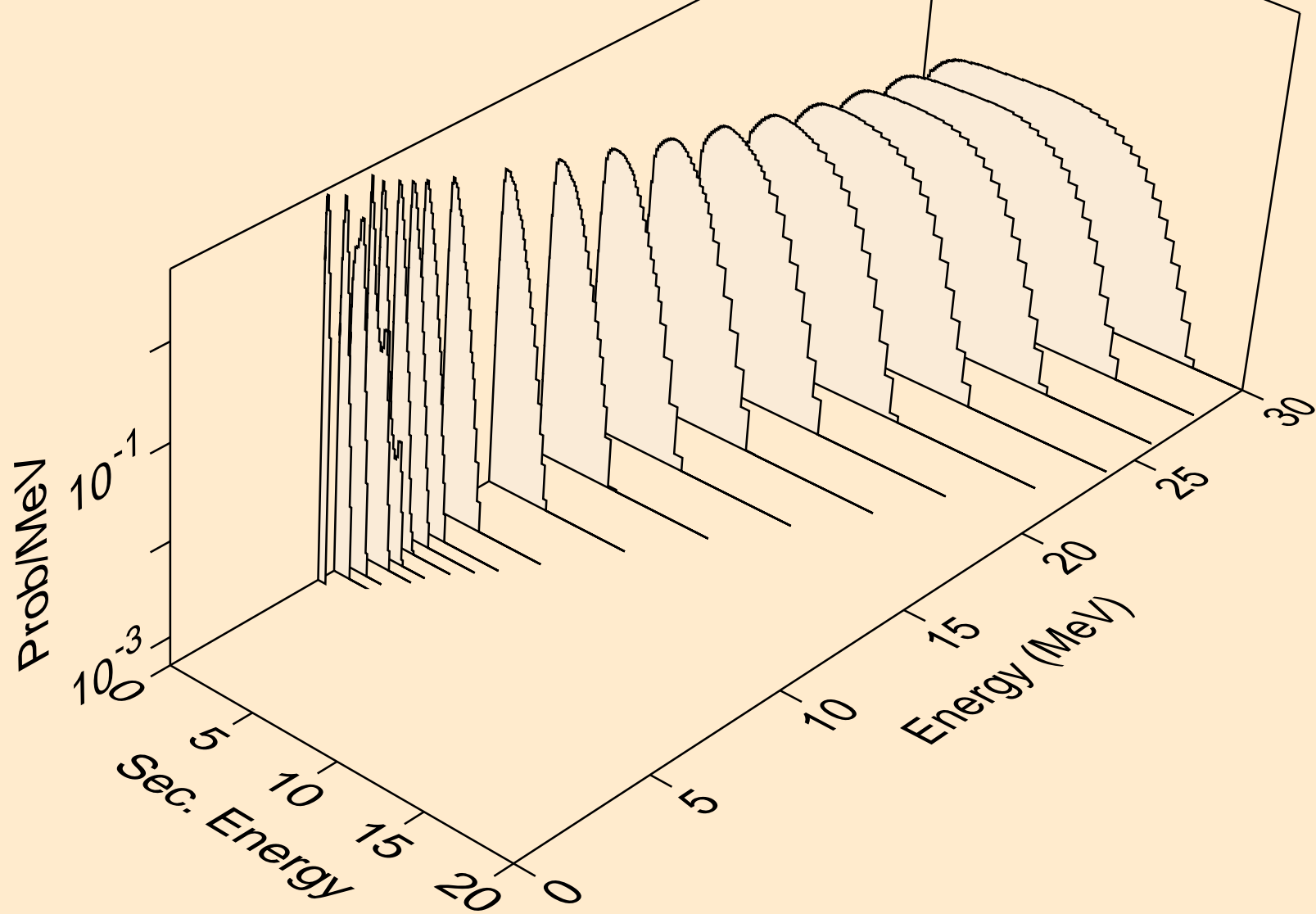
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



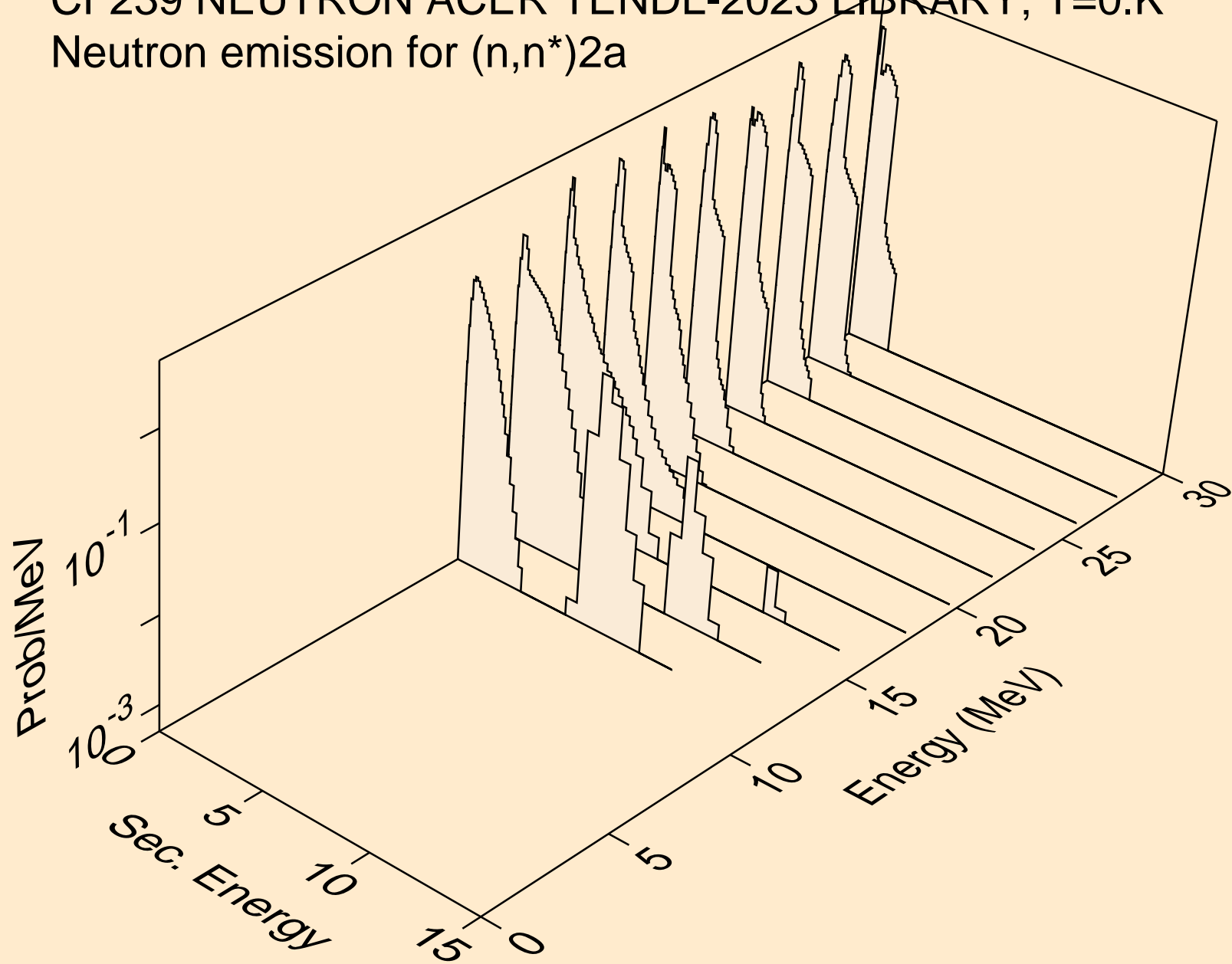
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



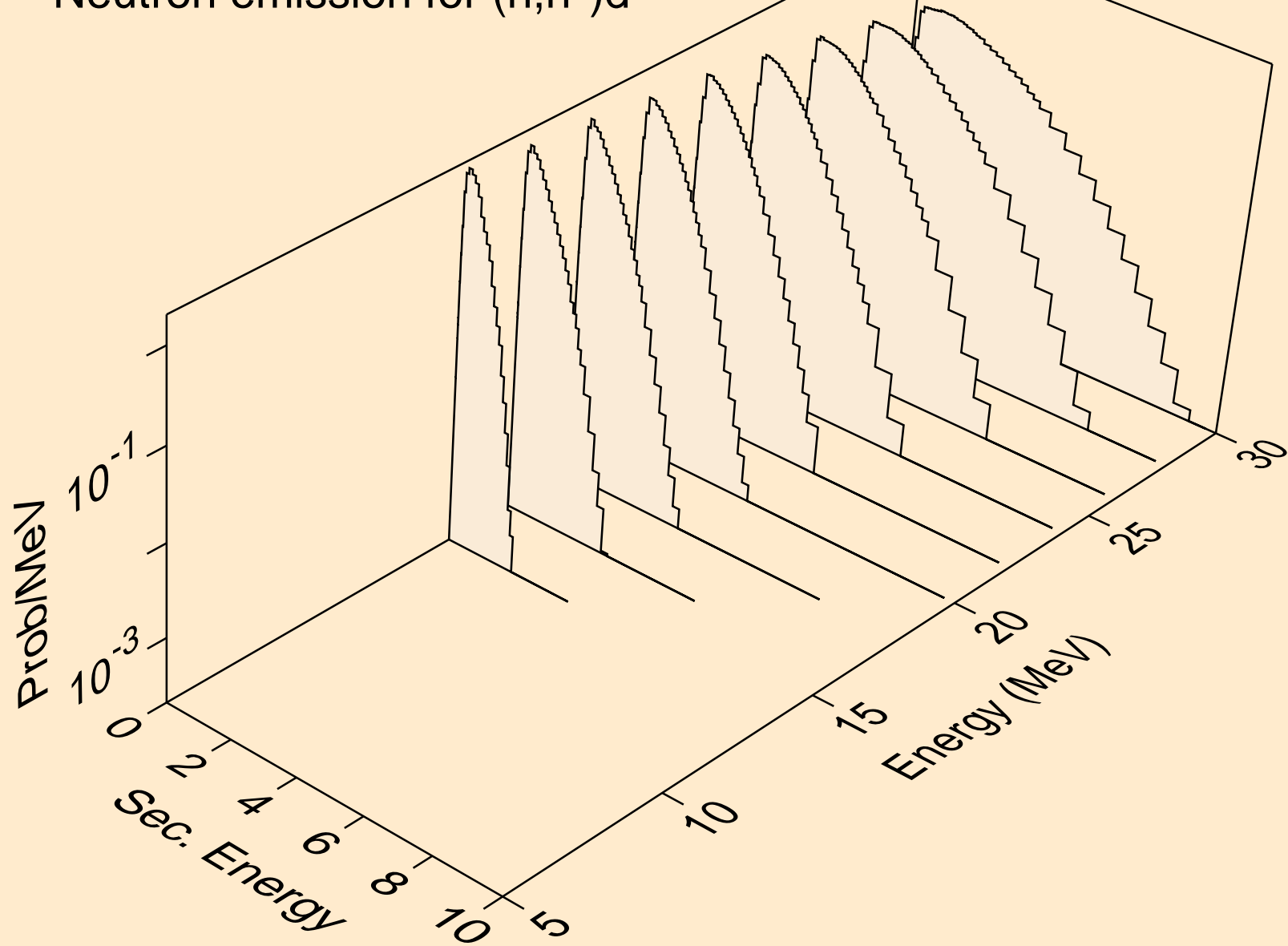
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



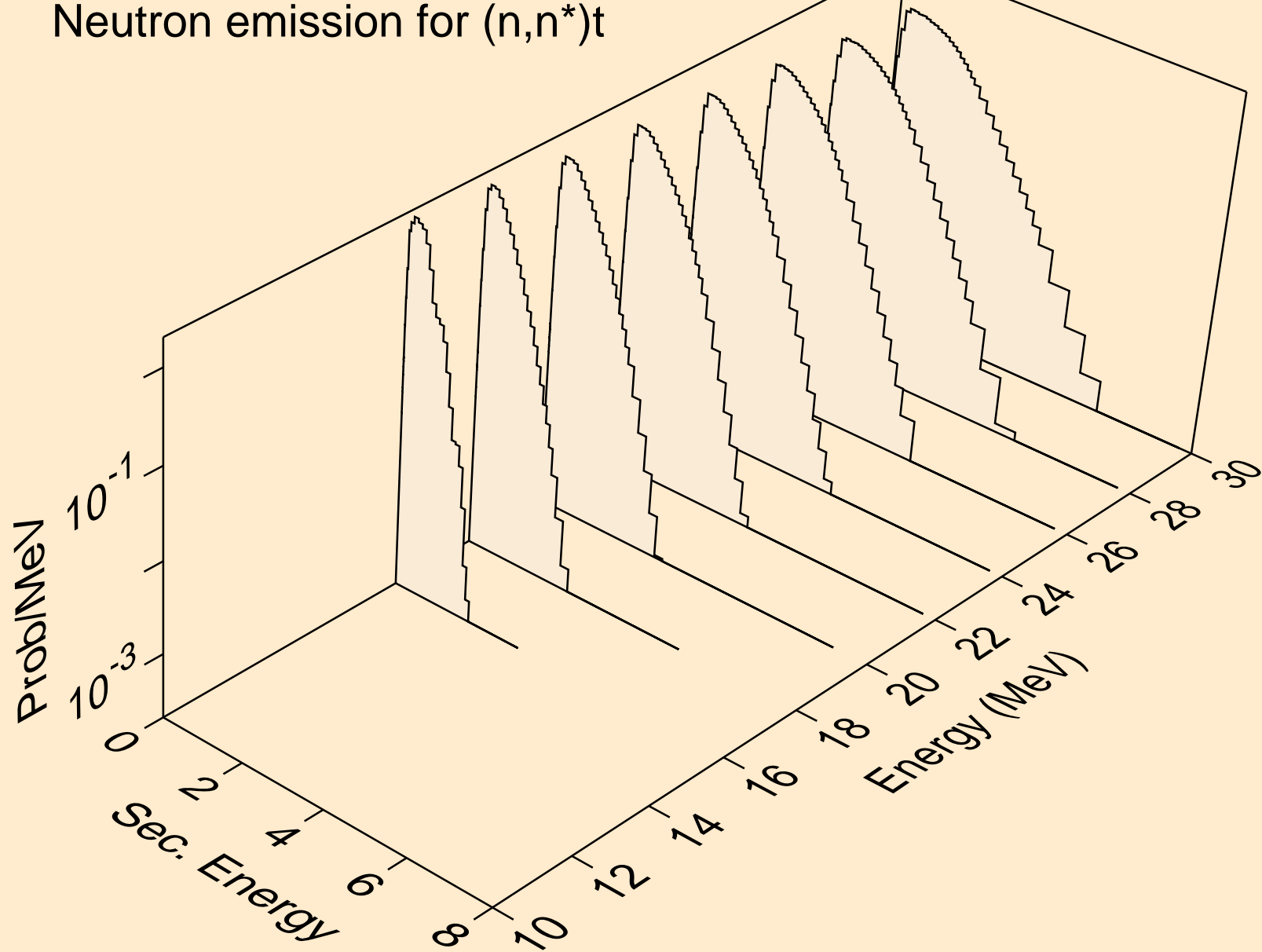
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Neutron emission for (n,n*)2a



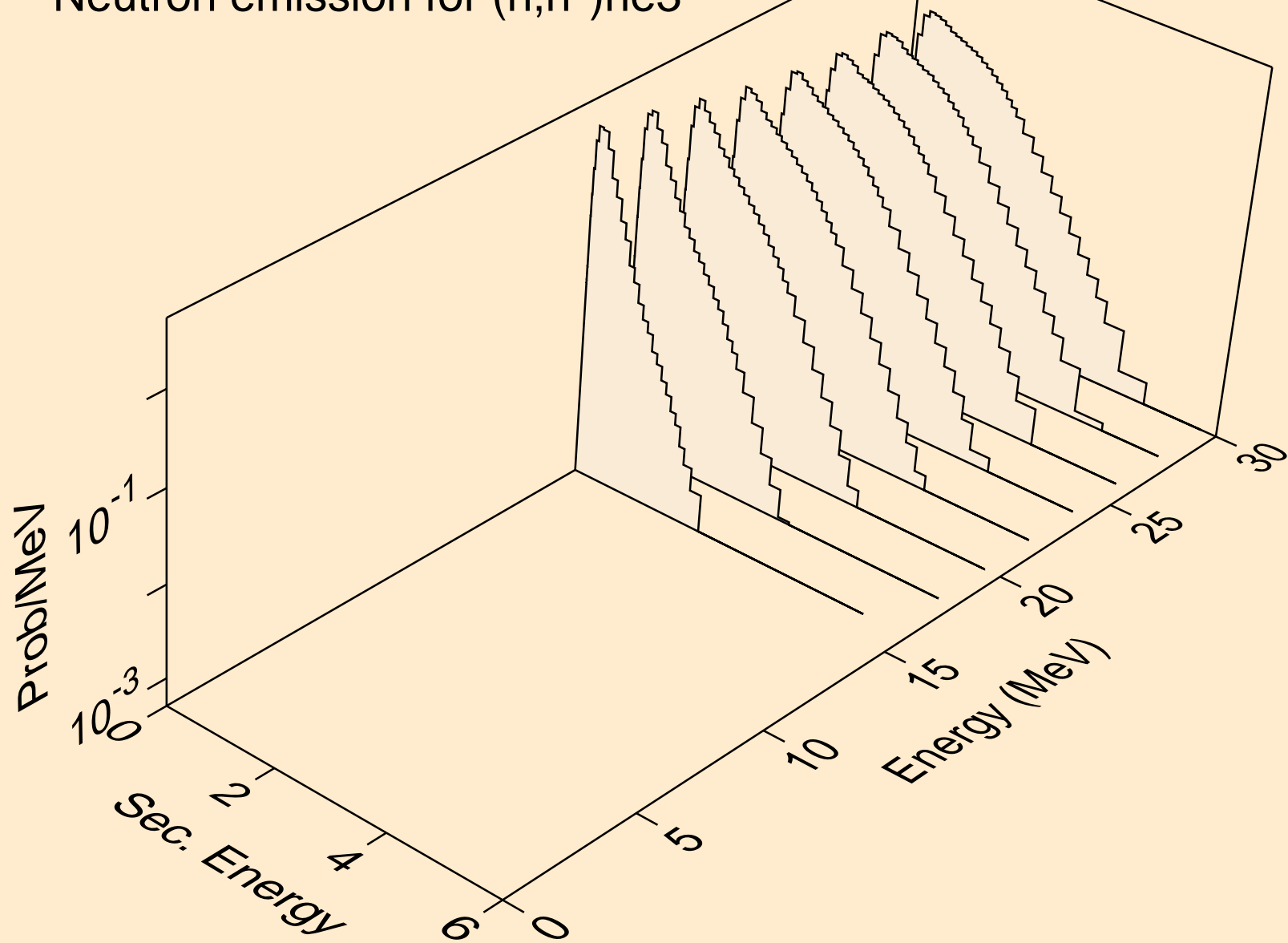
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



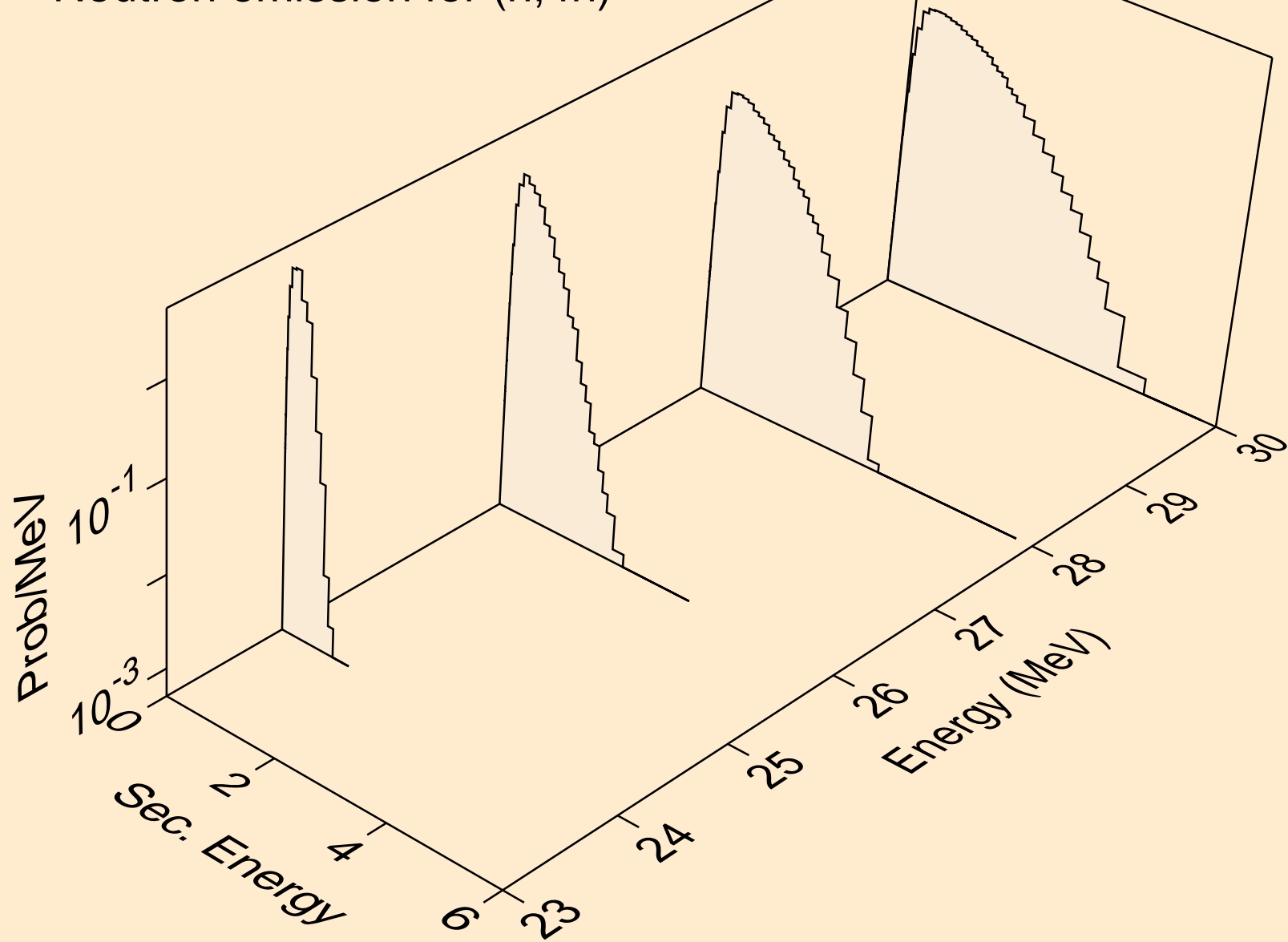
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



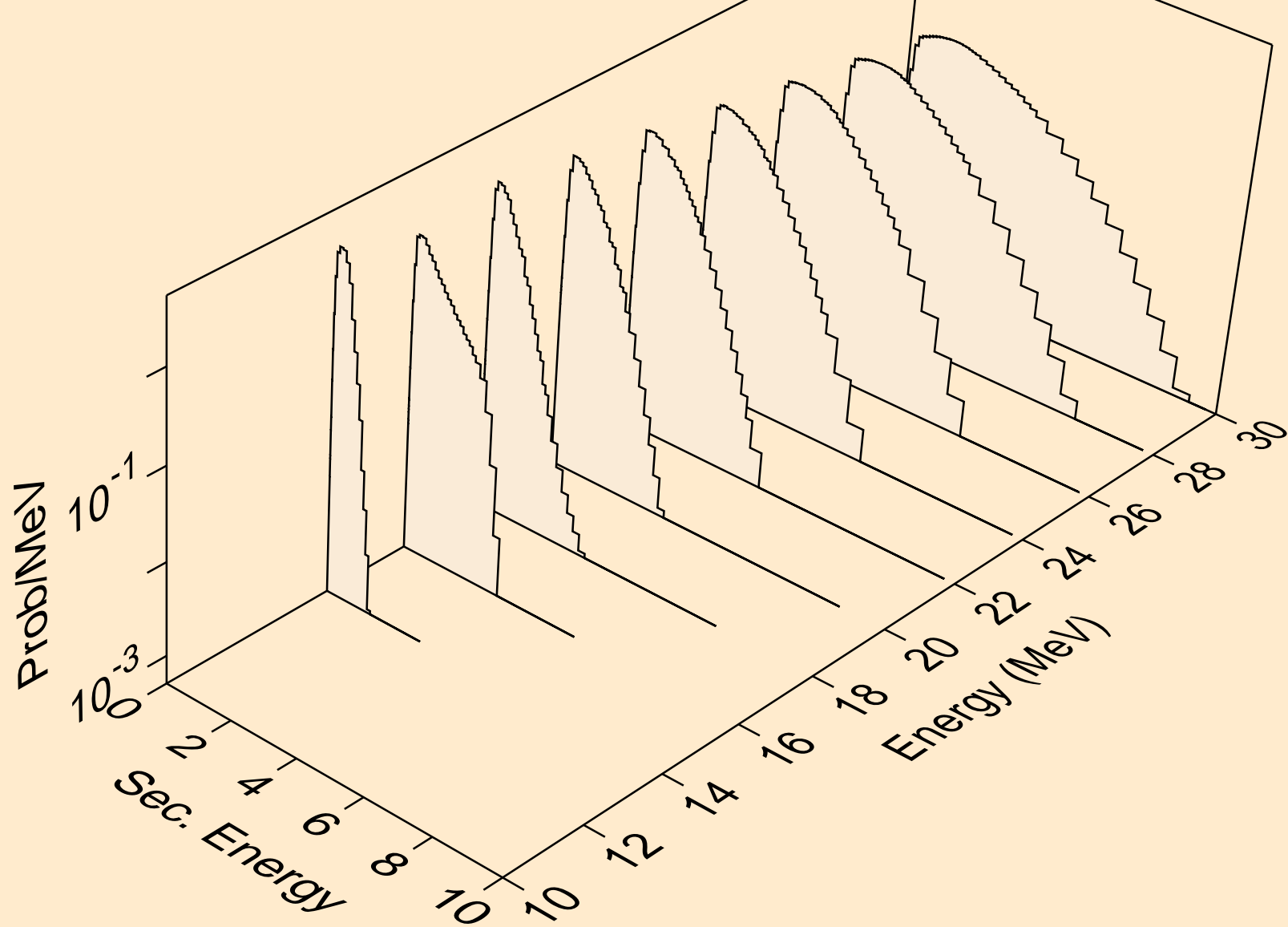
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



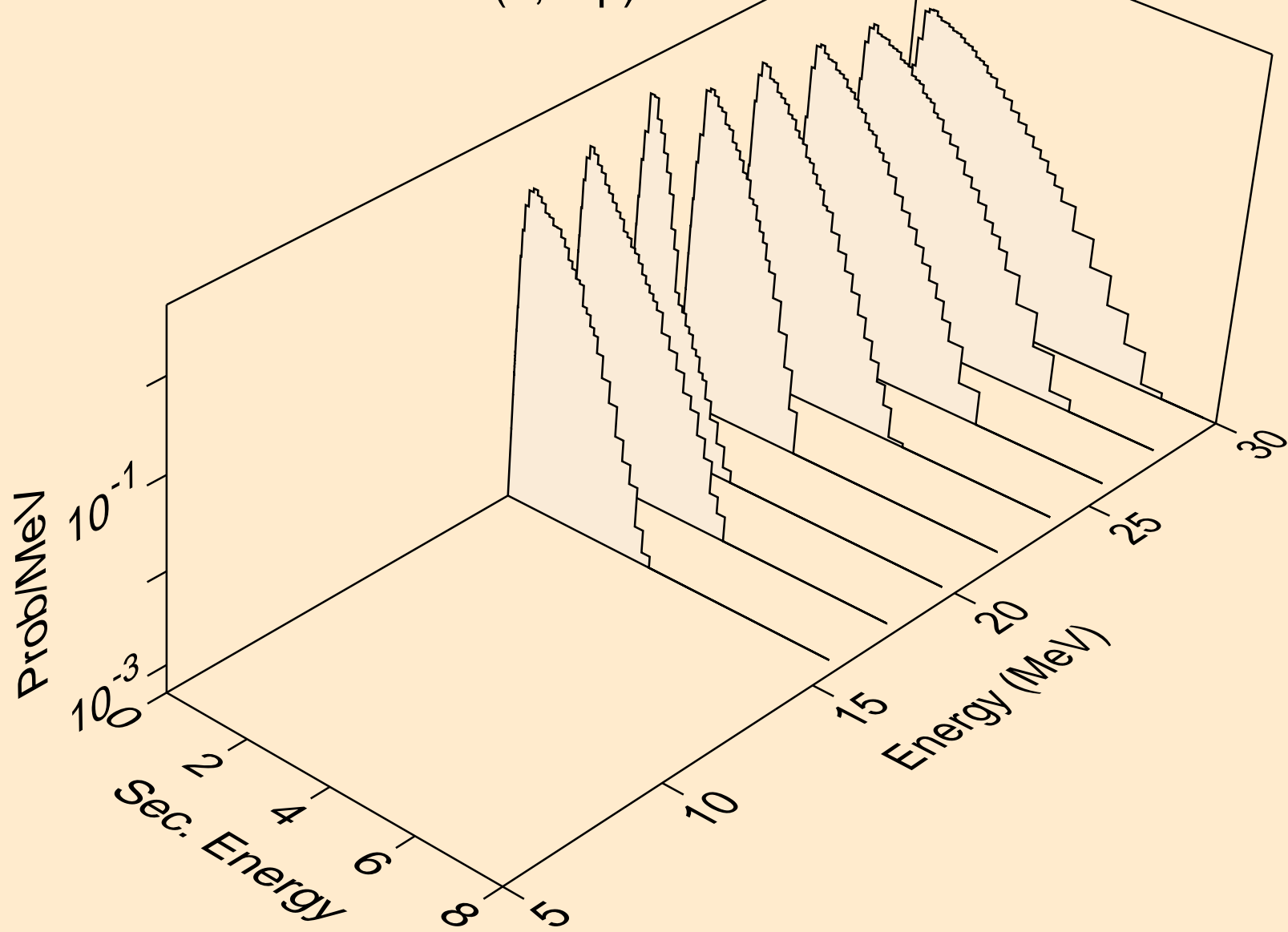
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



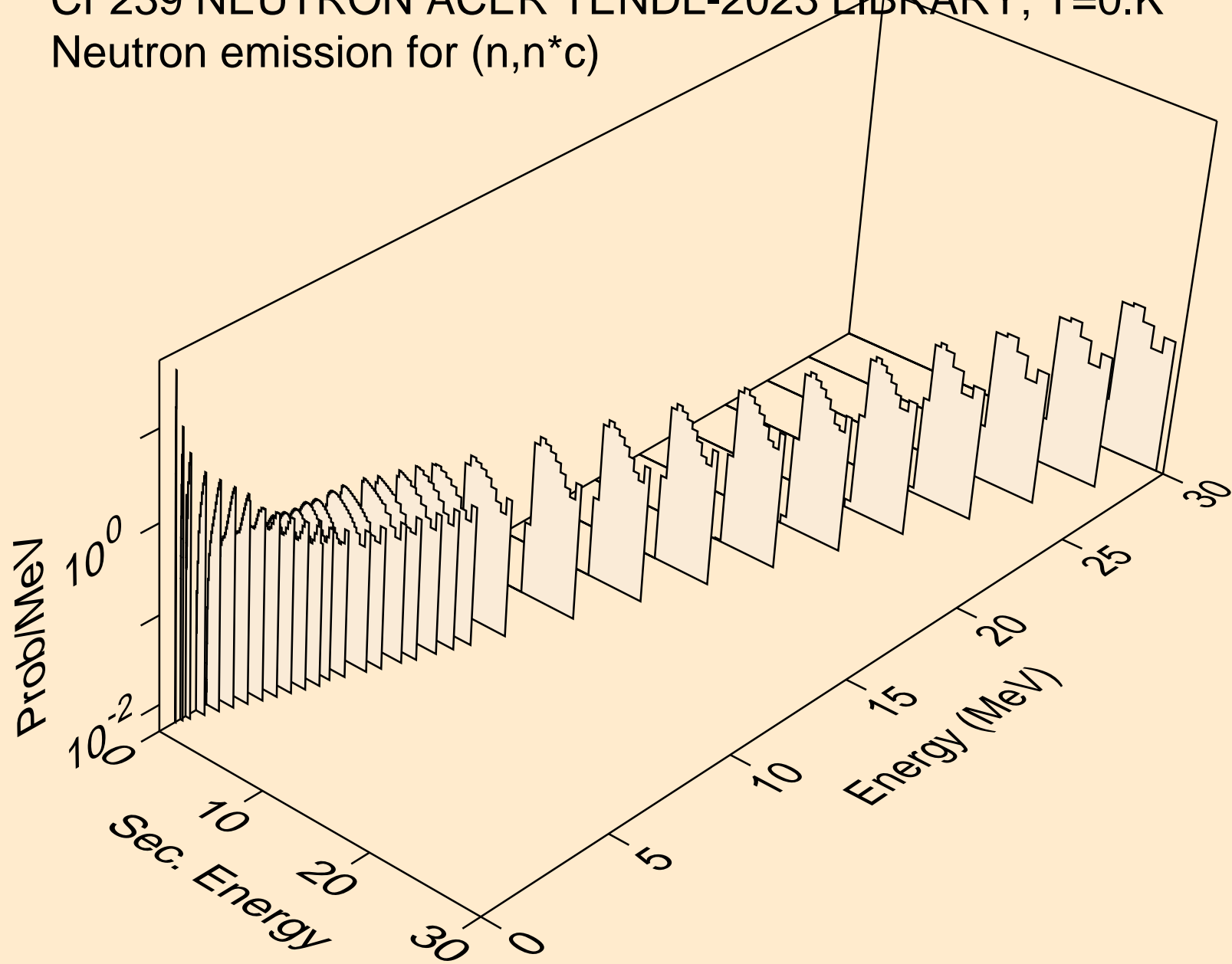
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)

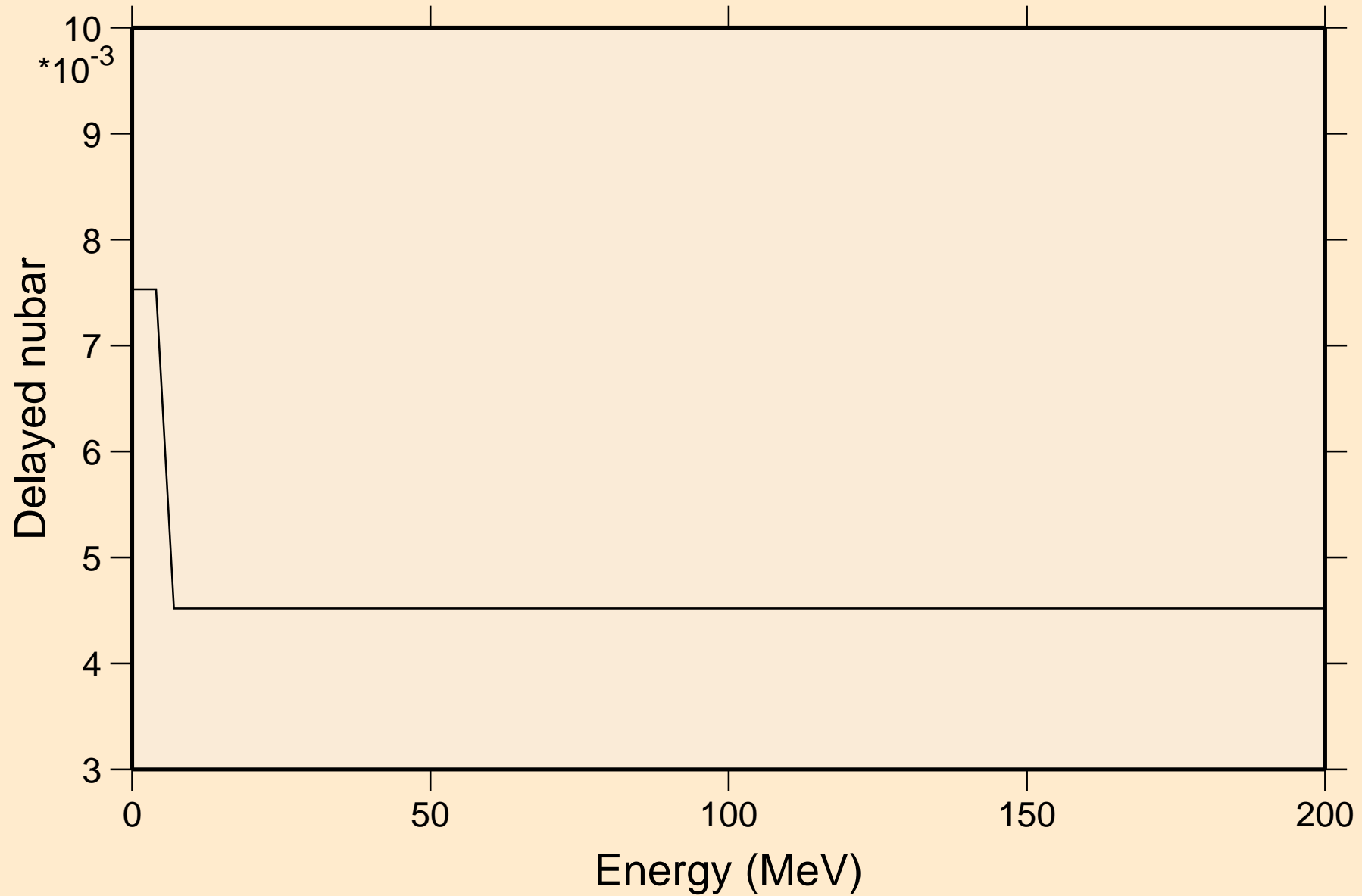


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



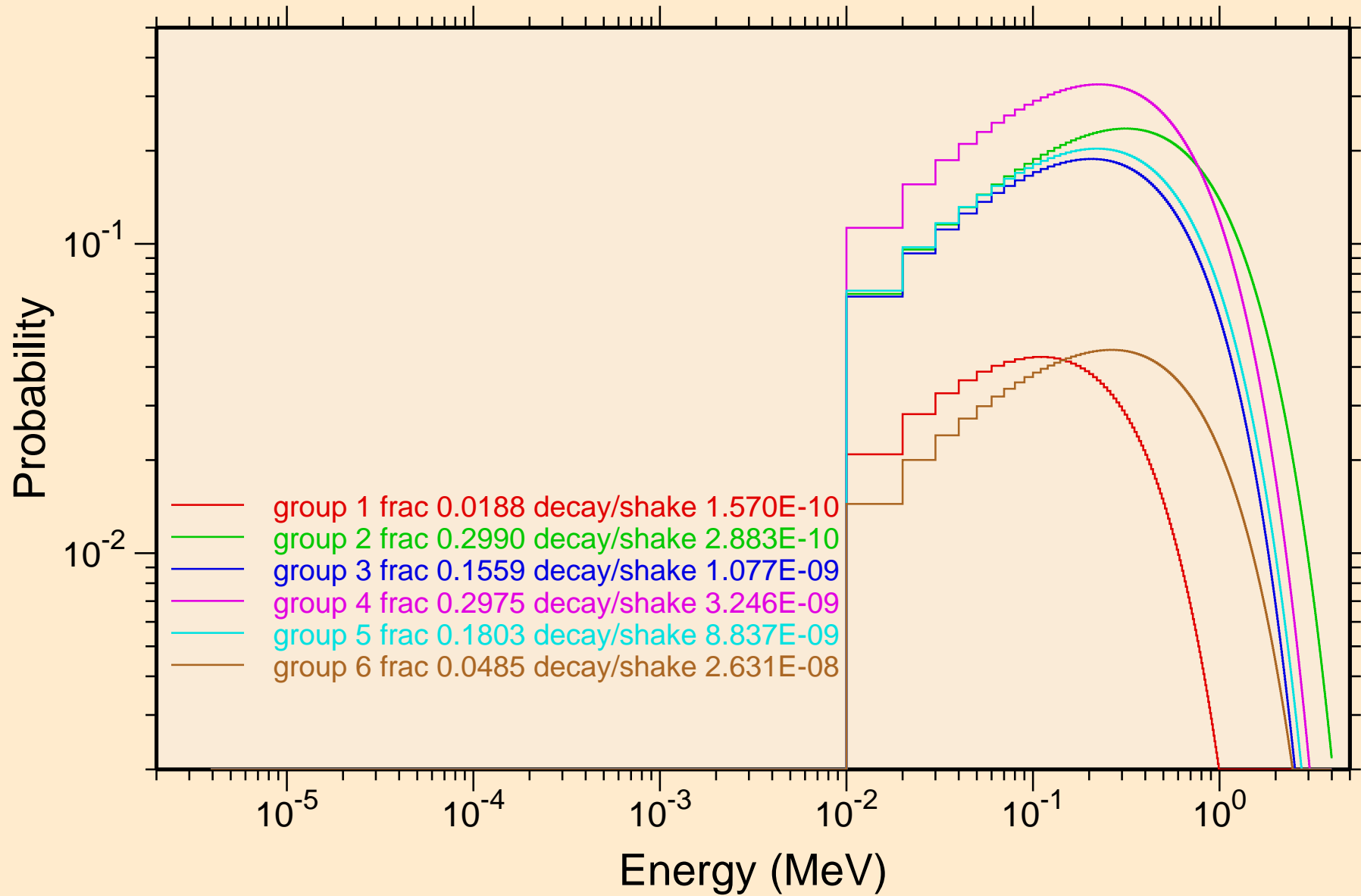
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Delayed nubar

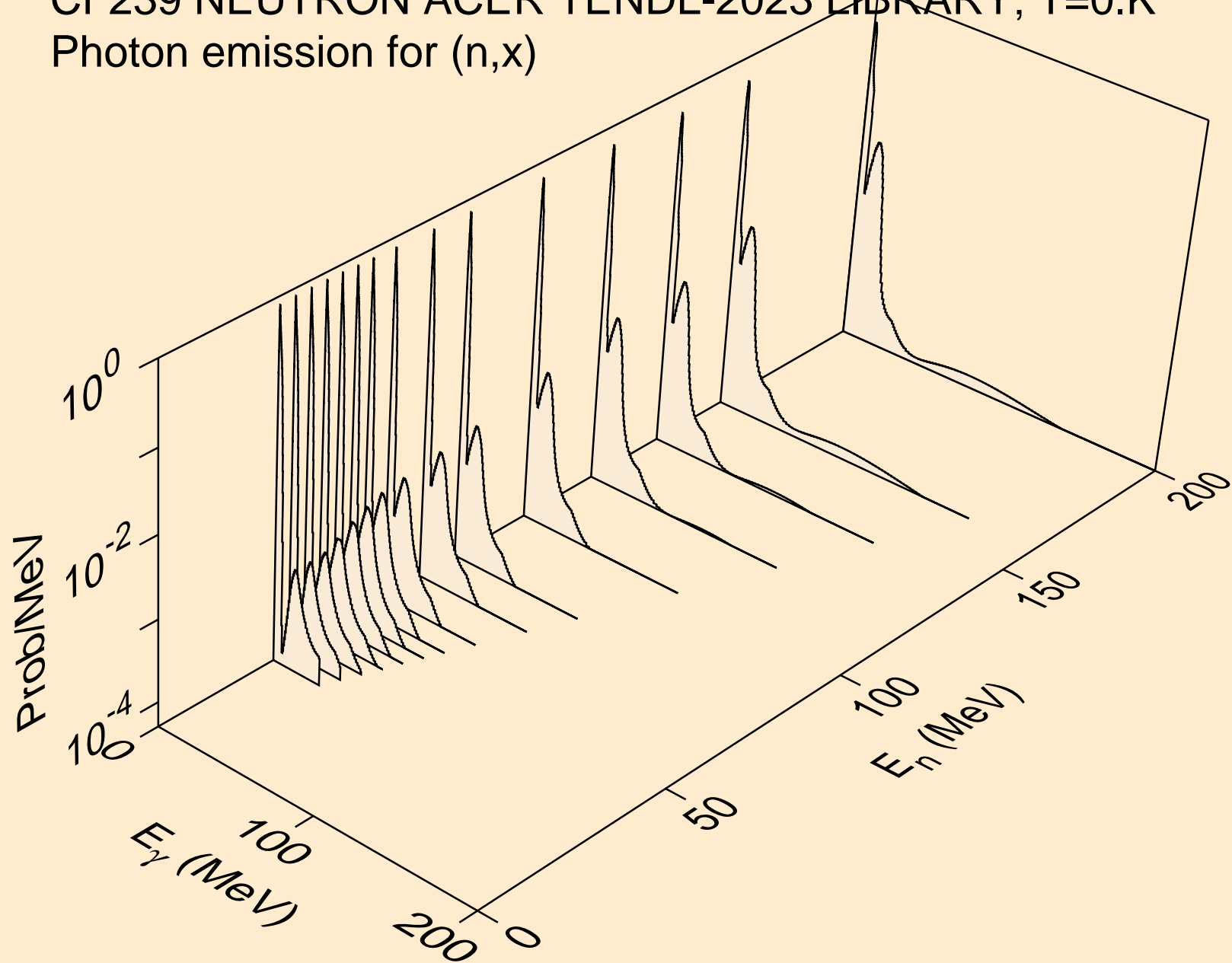


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

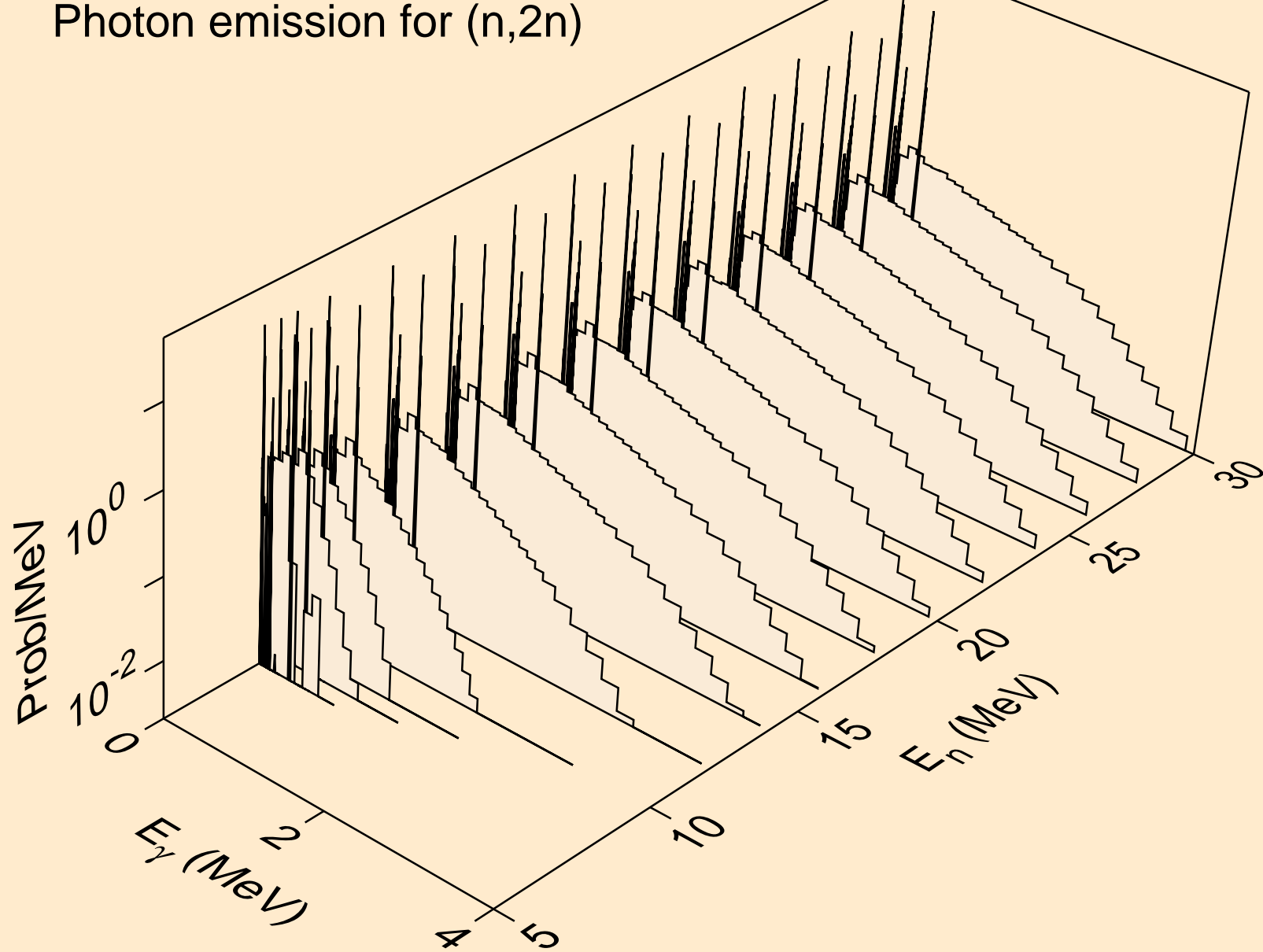
Delayed neutron spectra



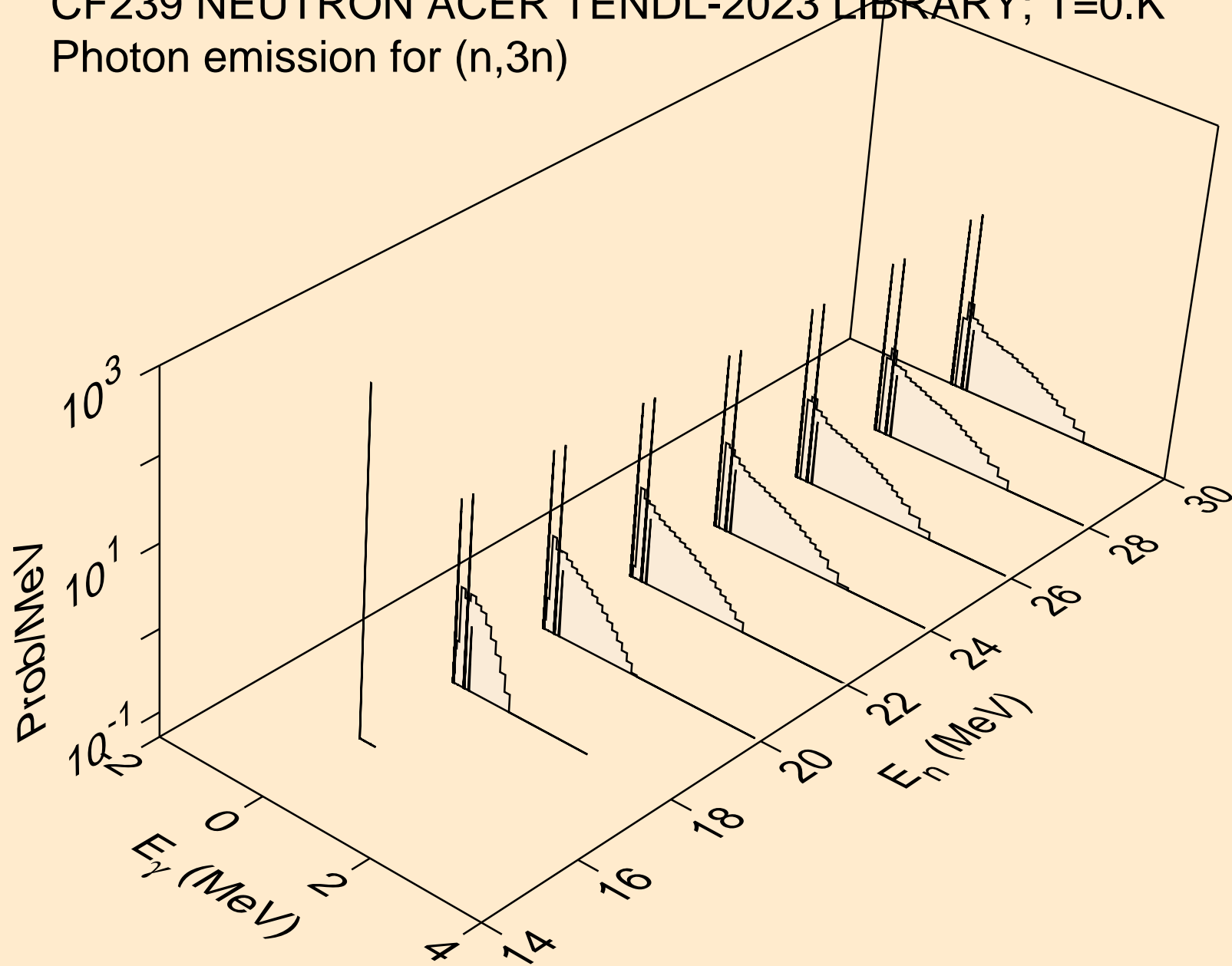
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



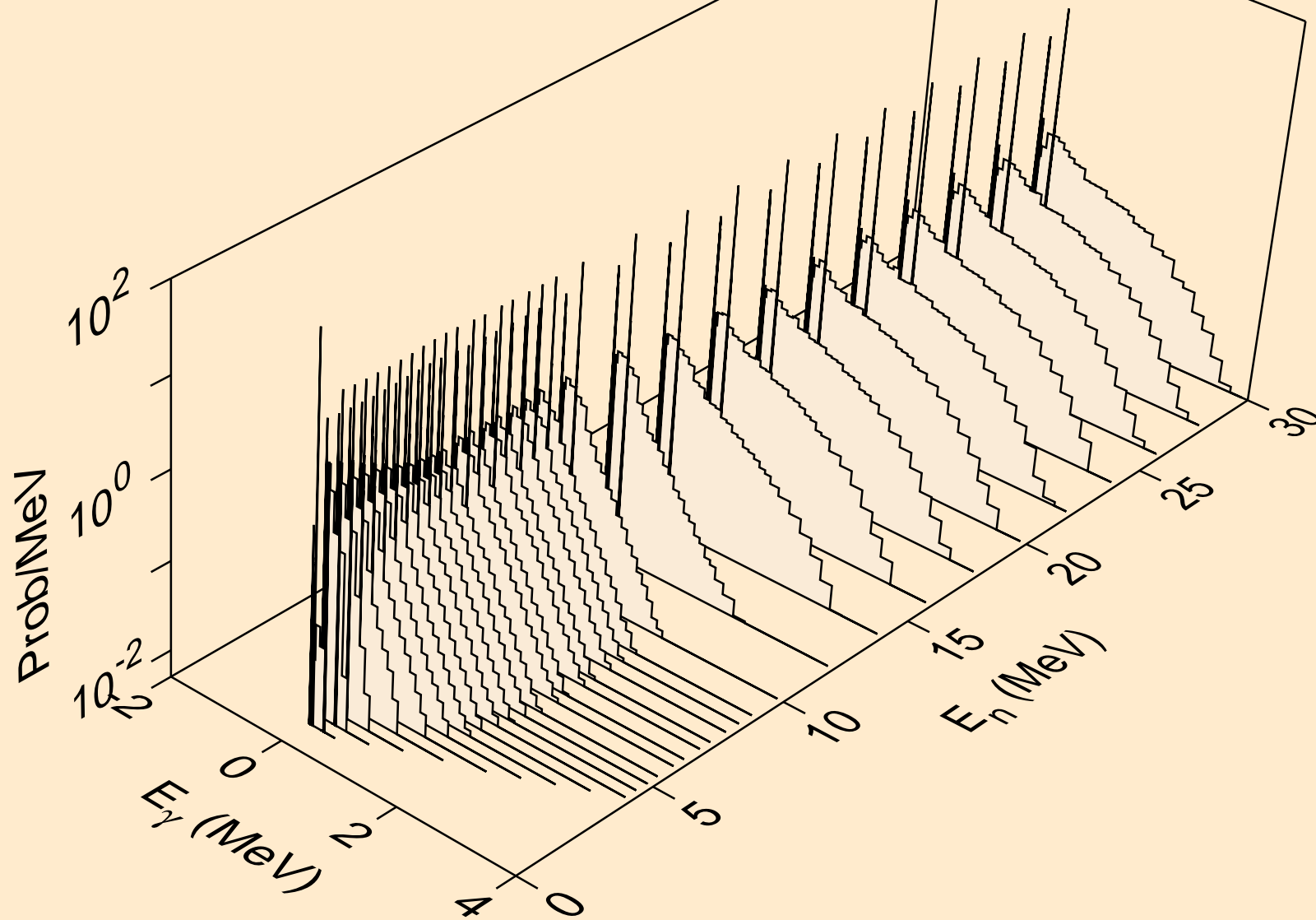
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



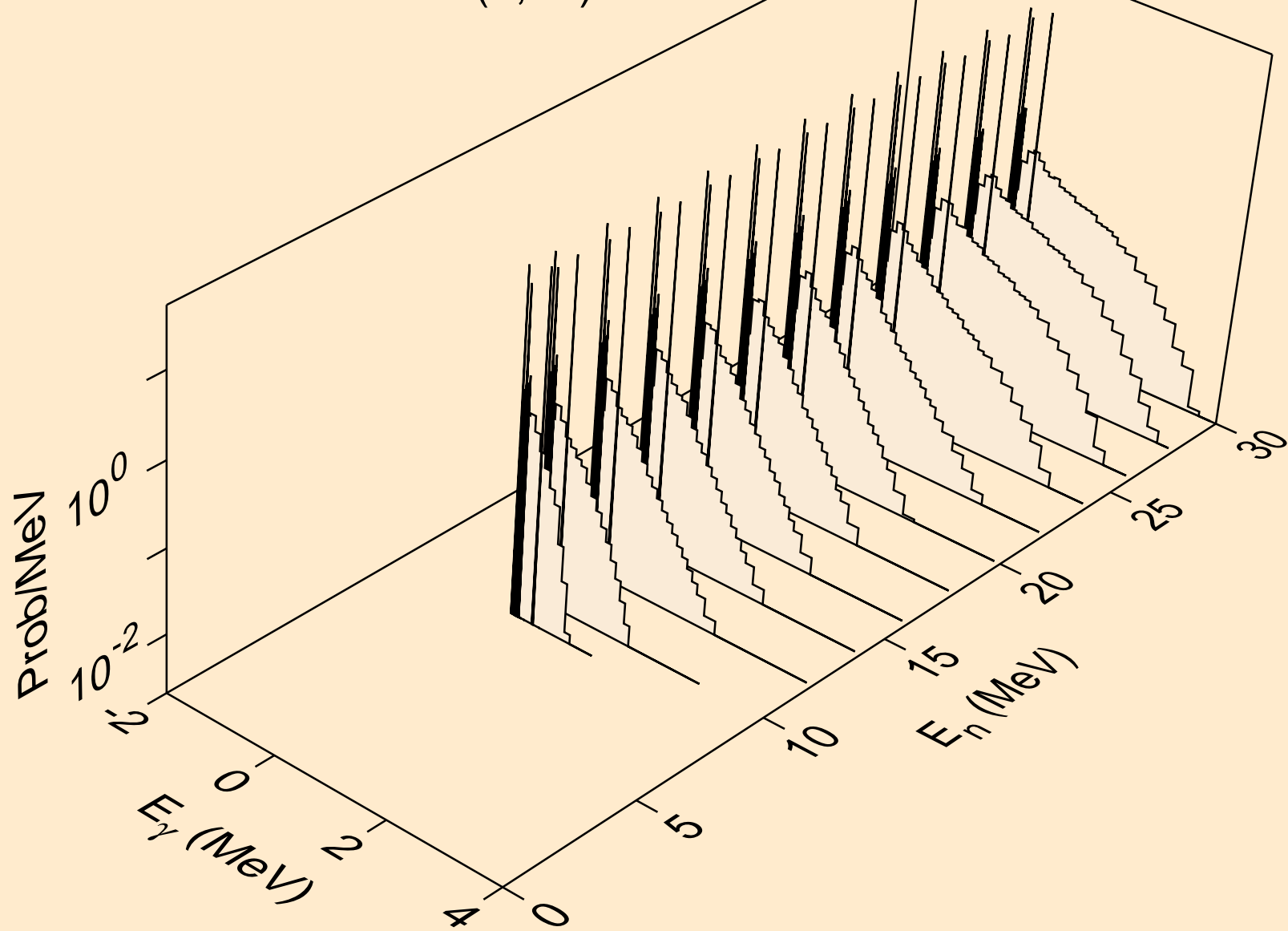
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



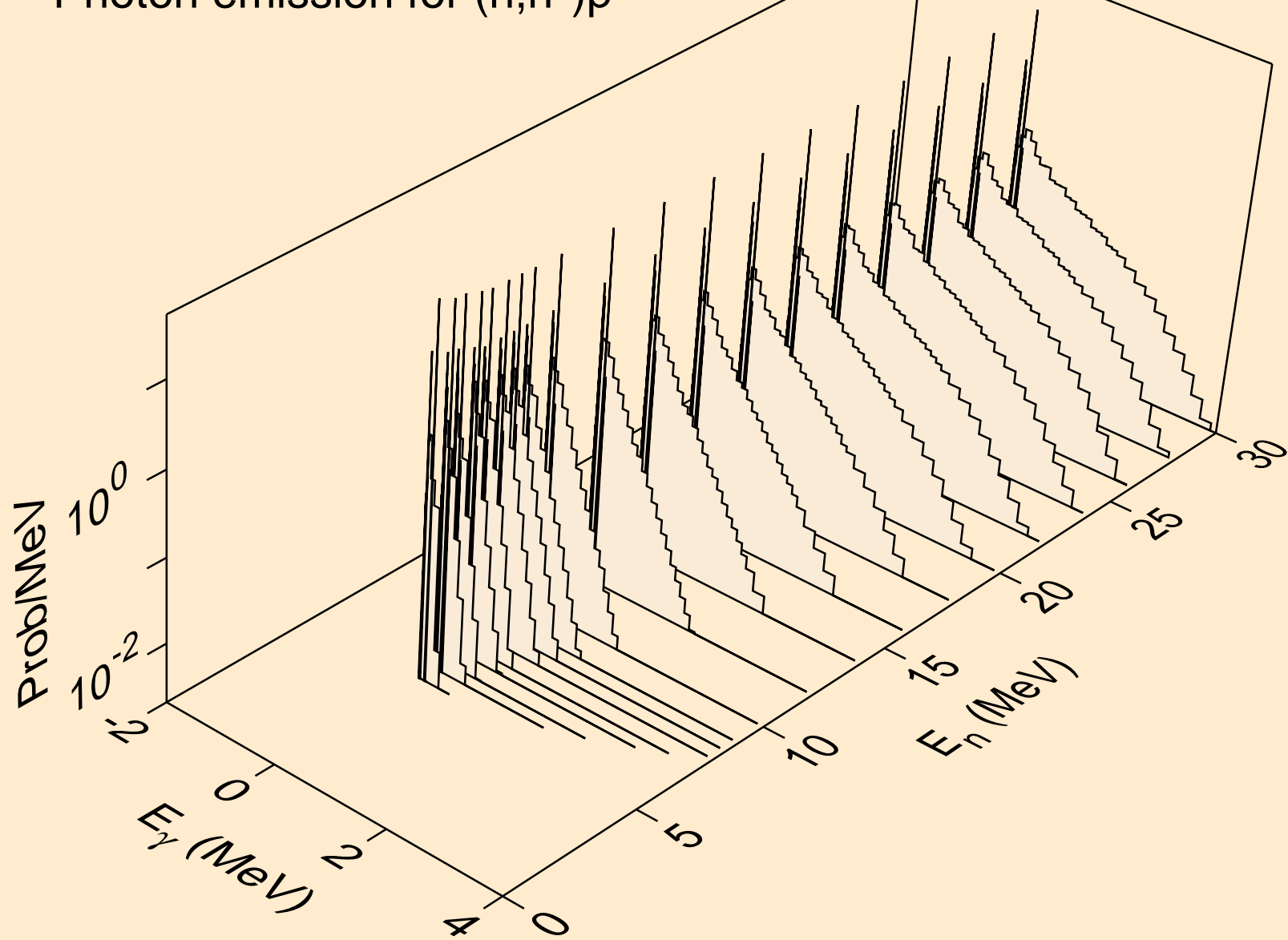
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



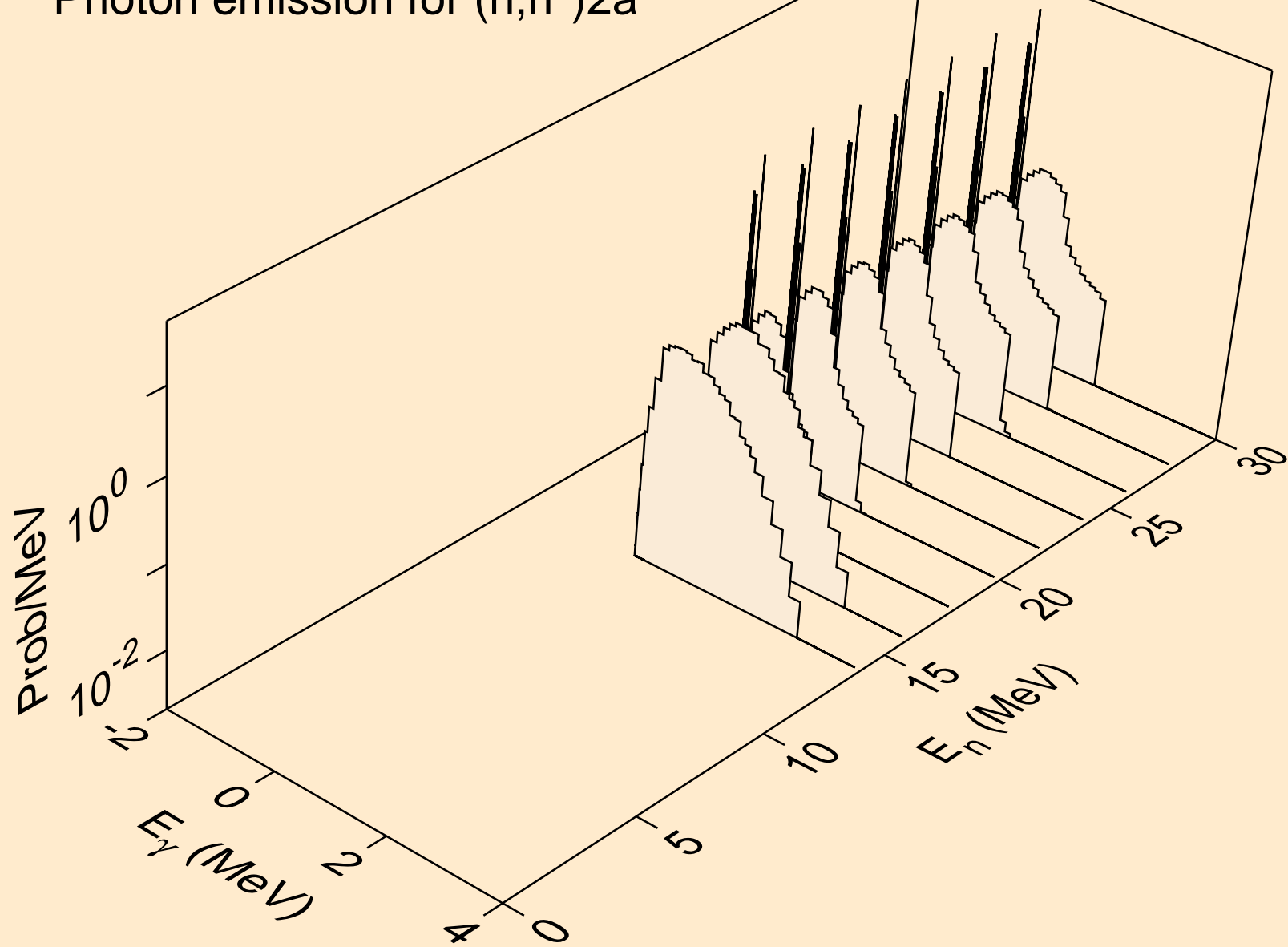
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



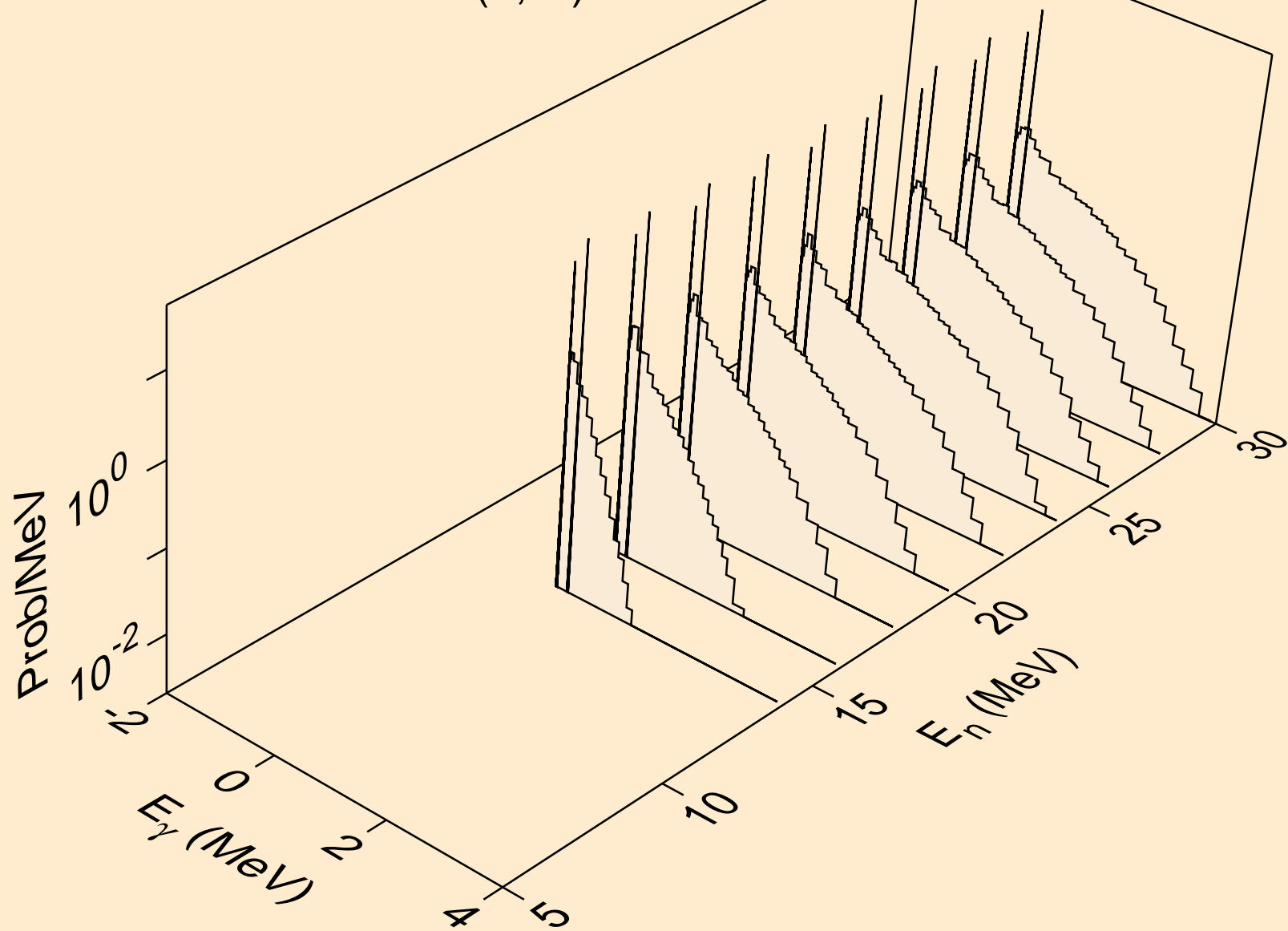
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



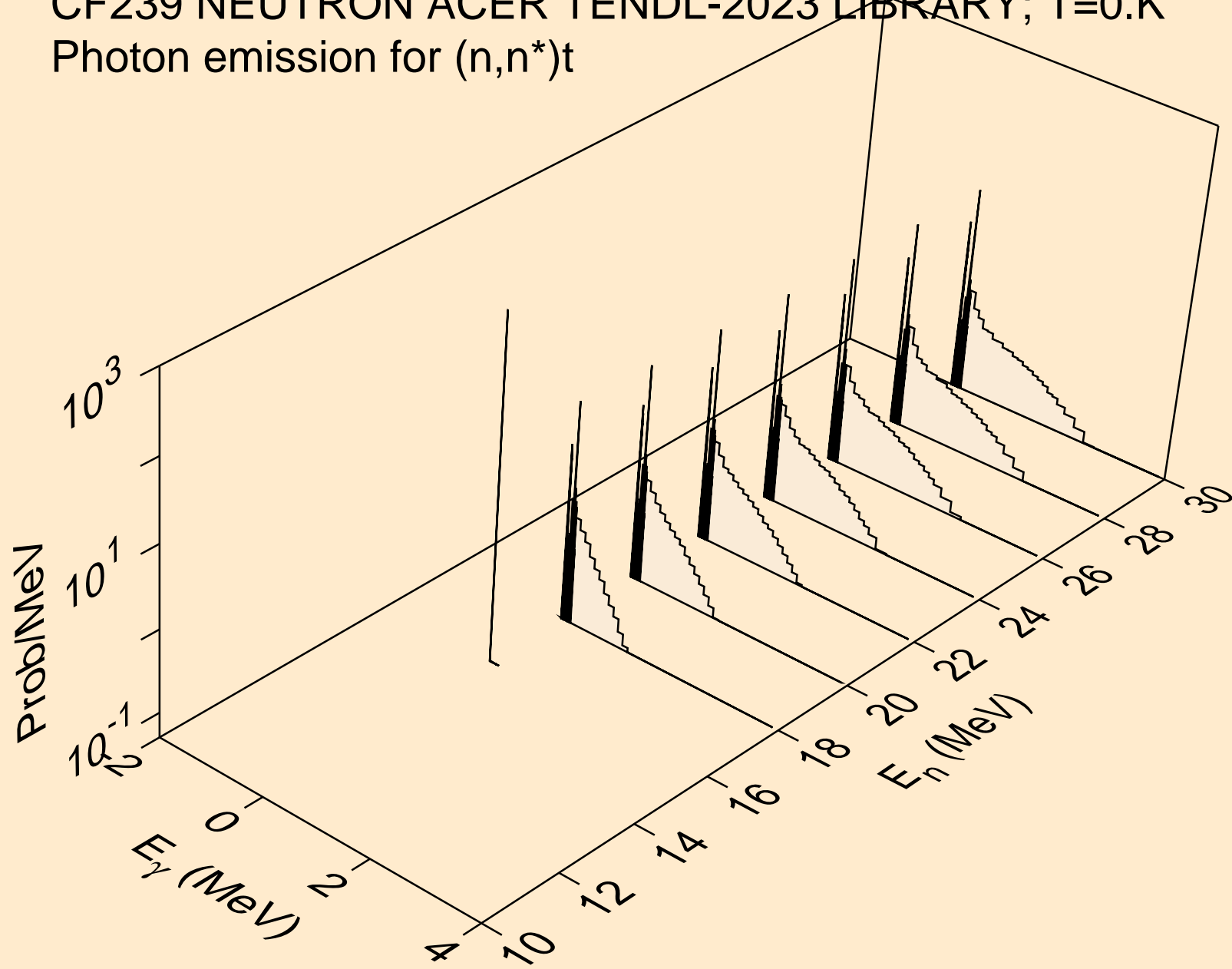
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Photon emission for (n,n*)2a



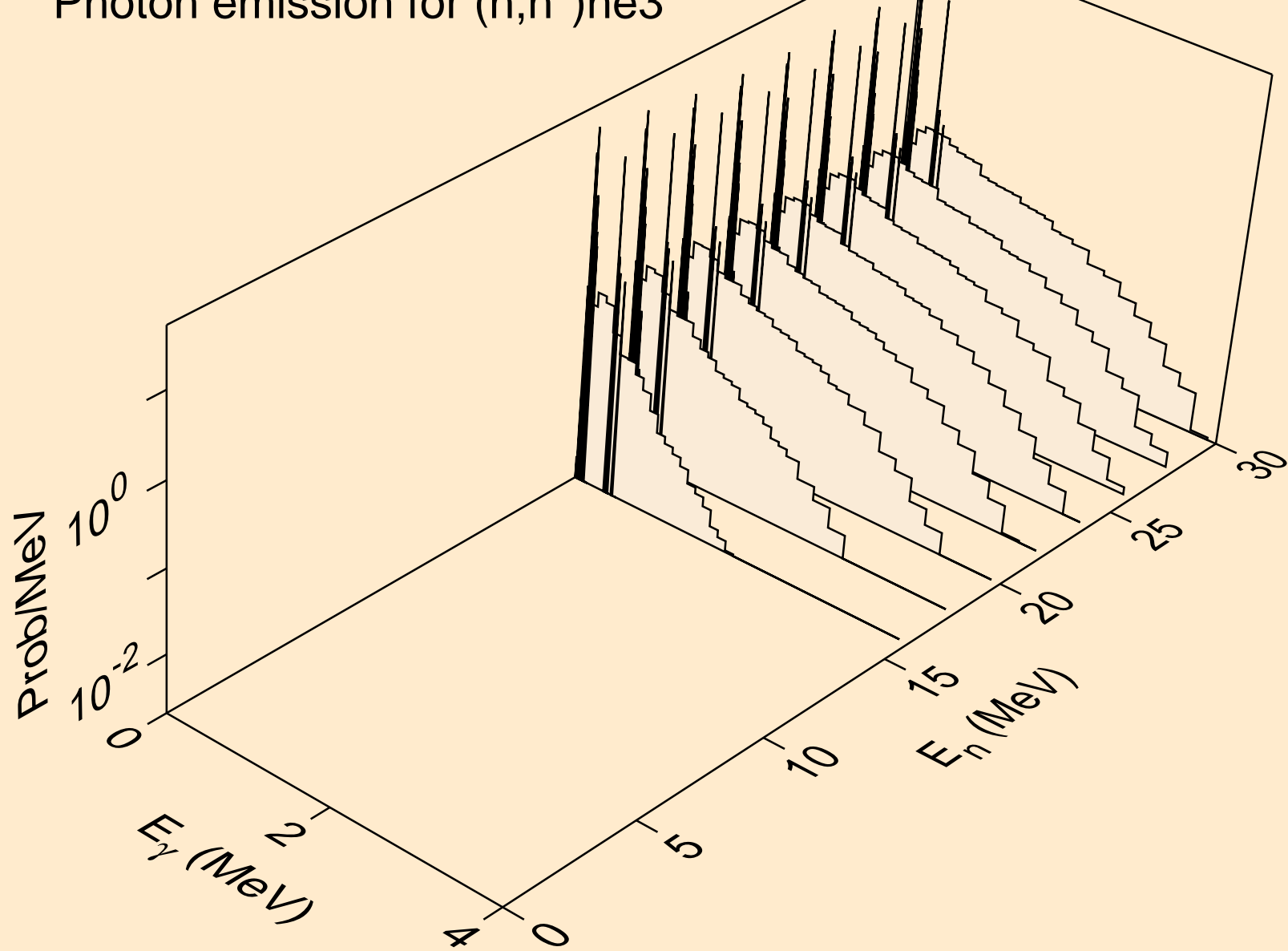
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



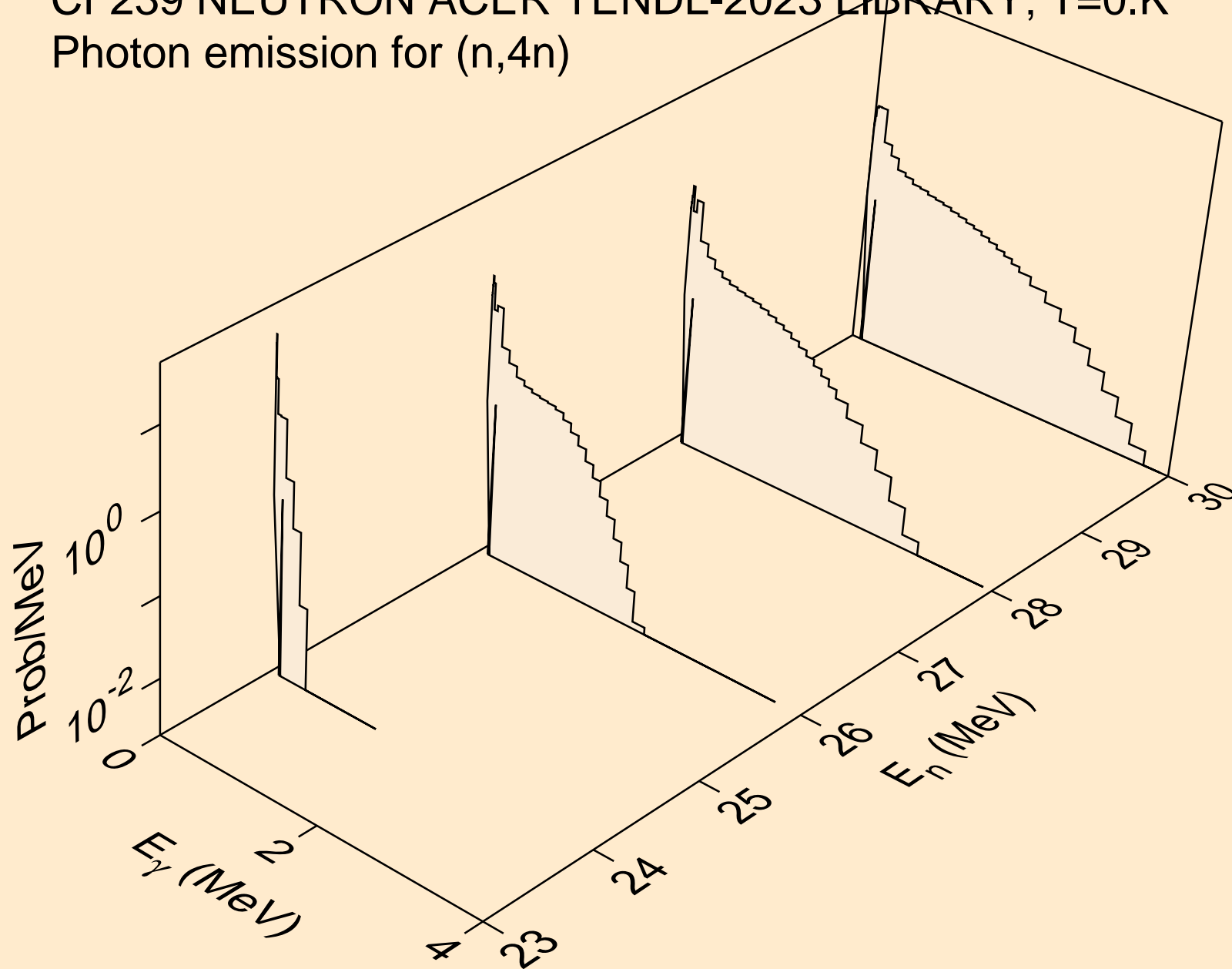
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



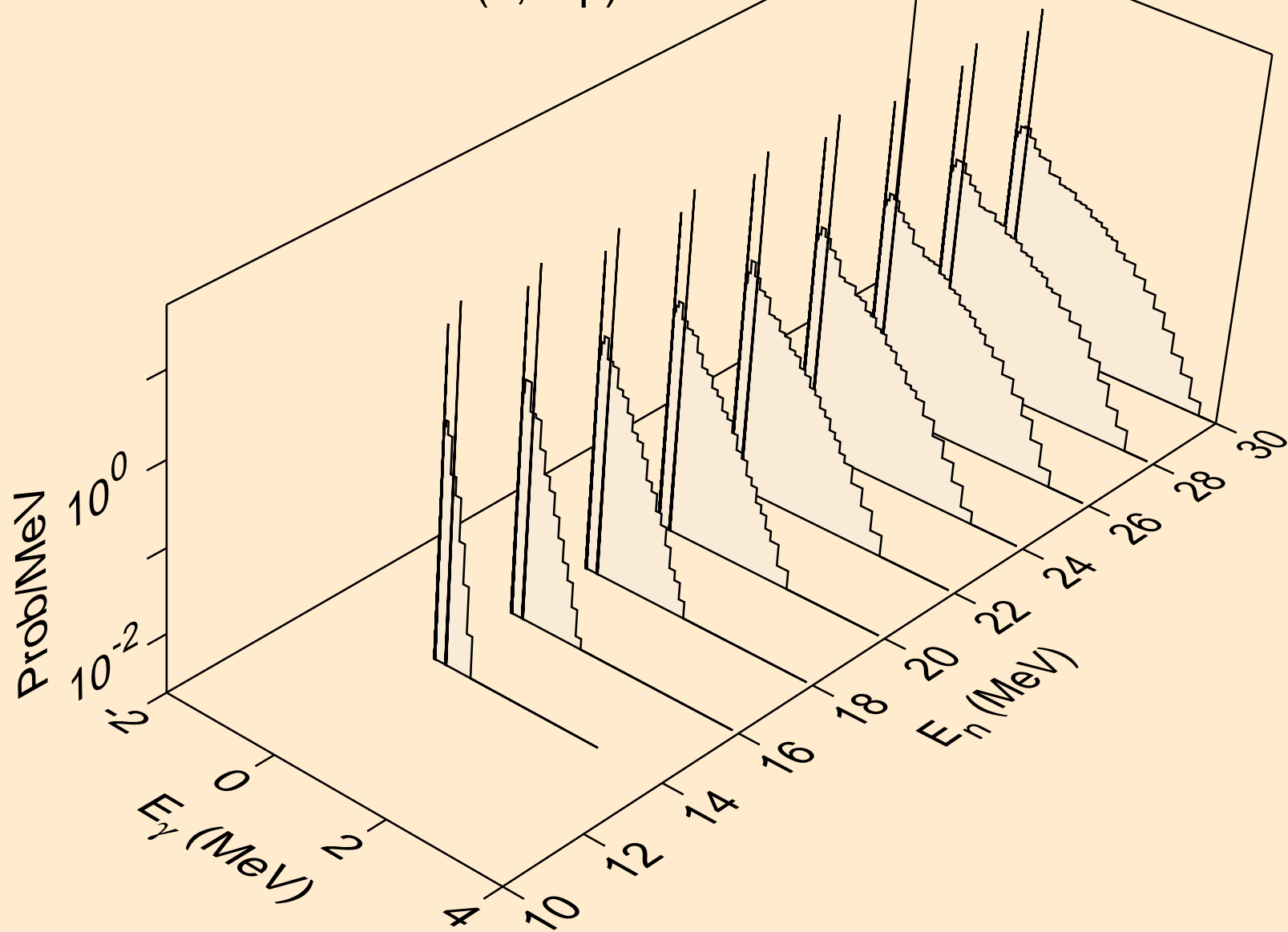
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



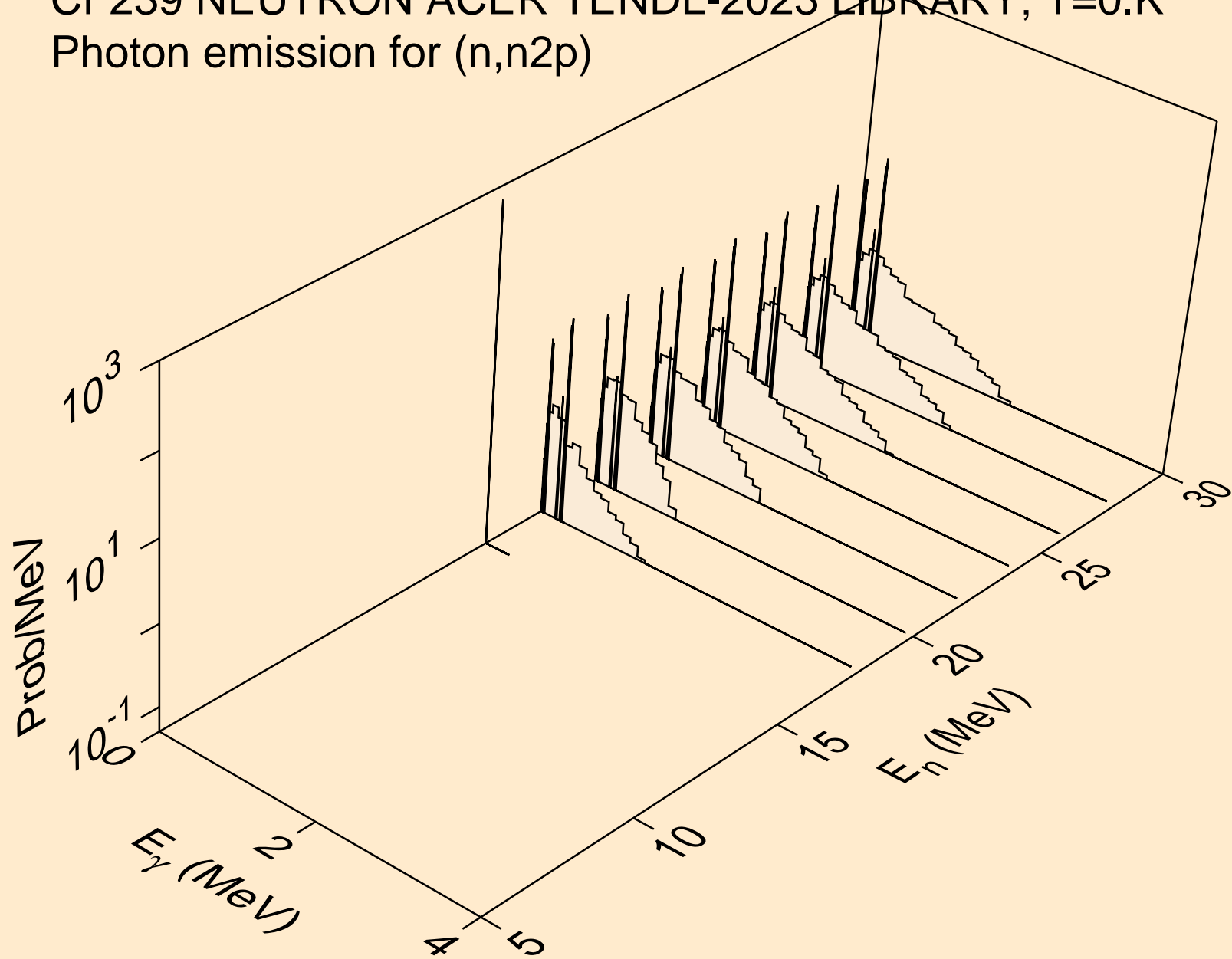
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



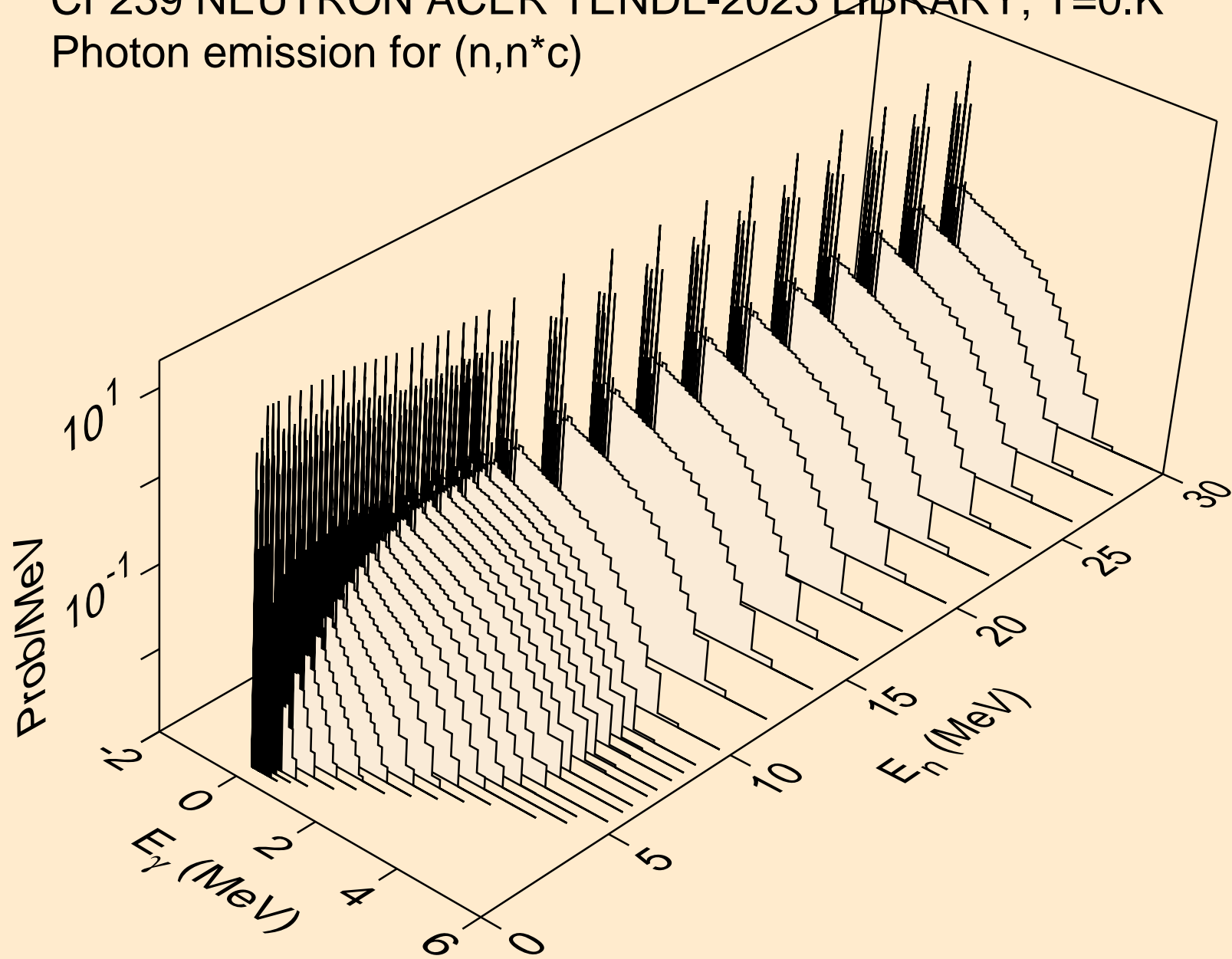
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



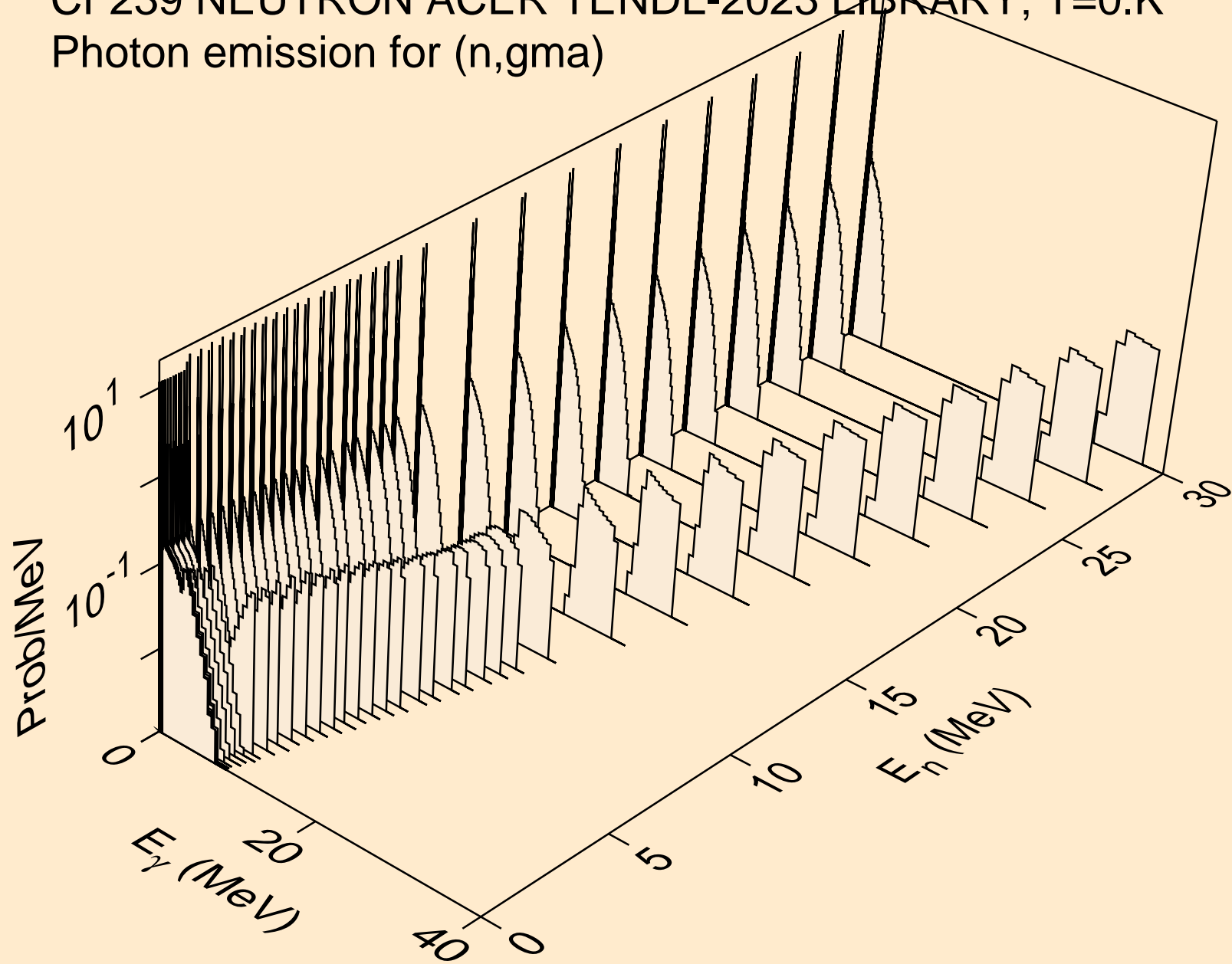
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



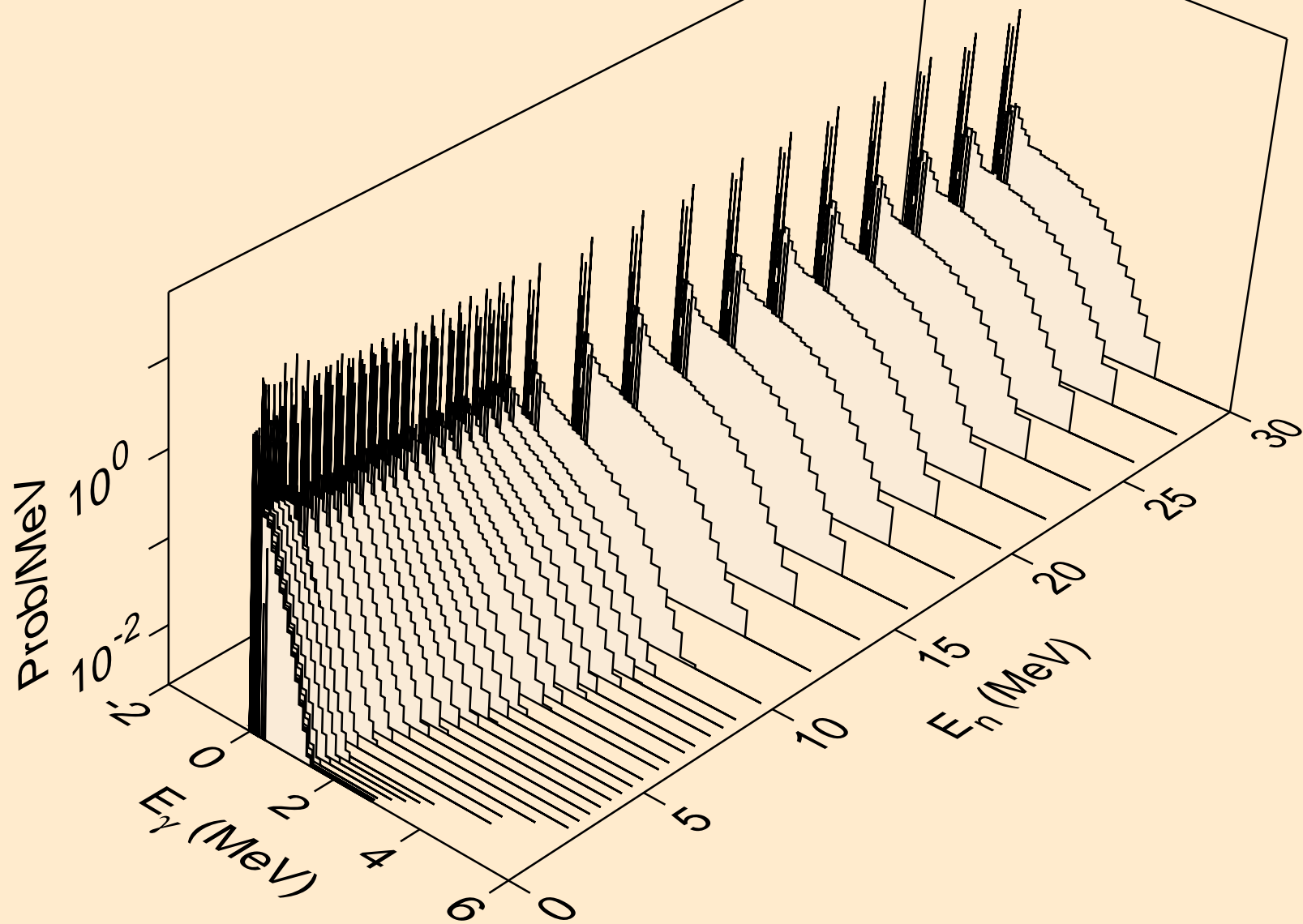
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



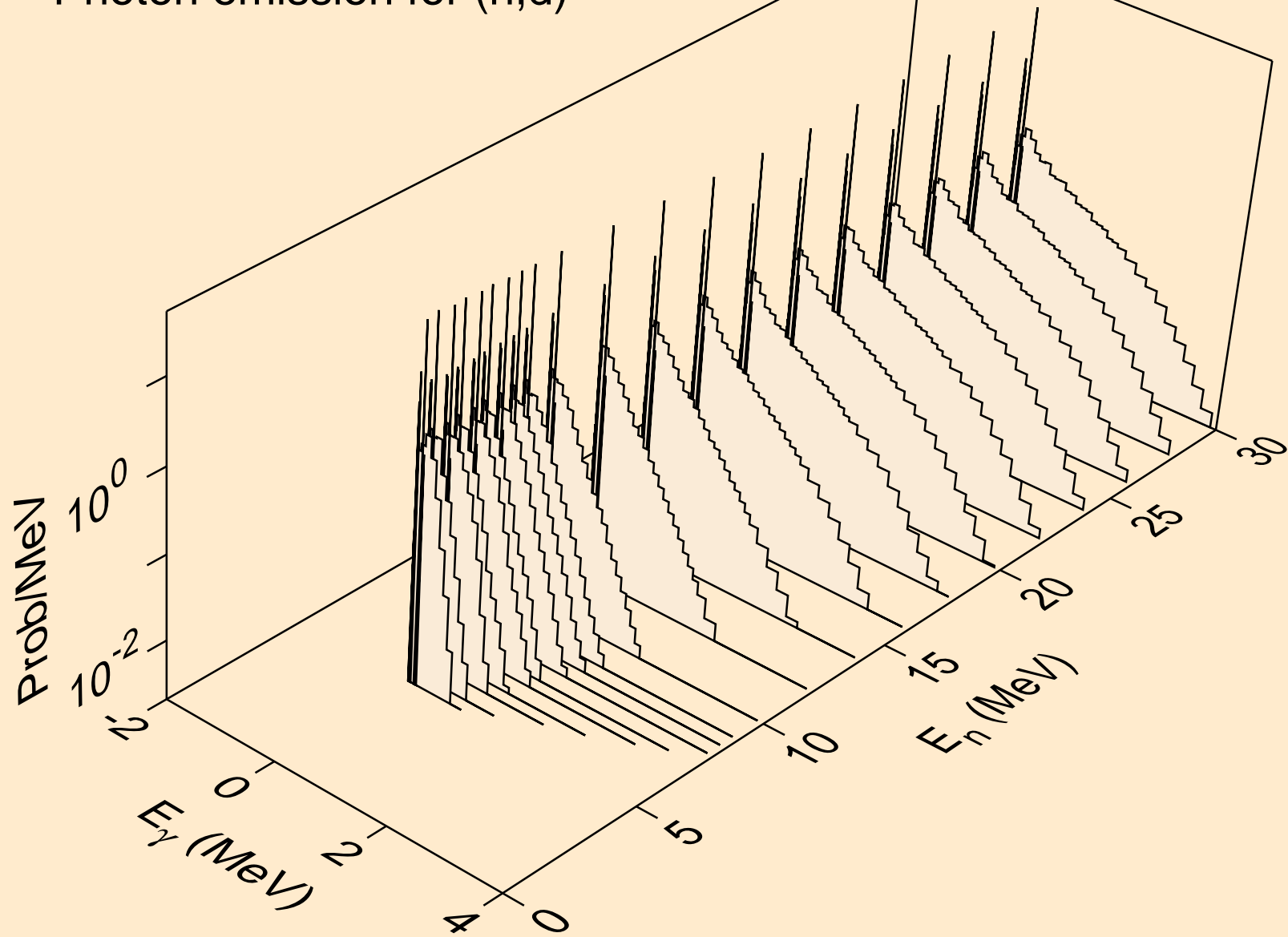
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



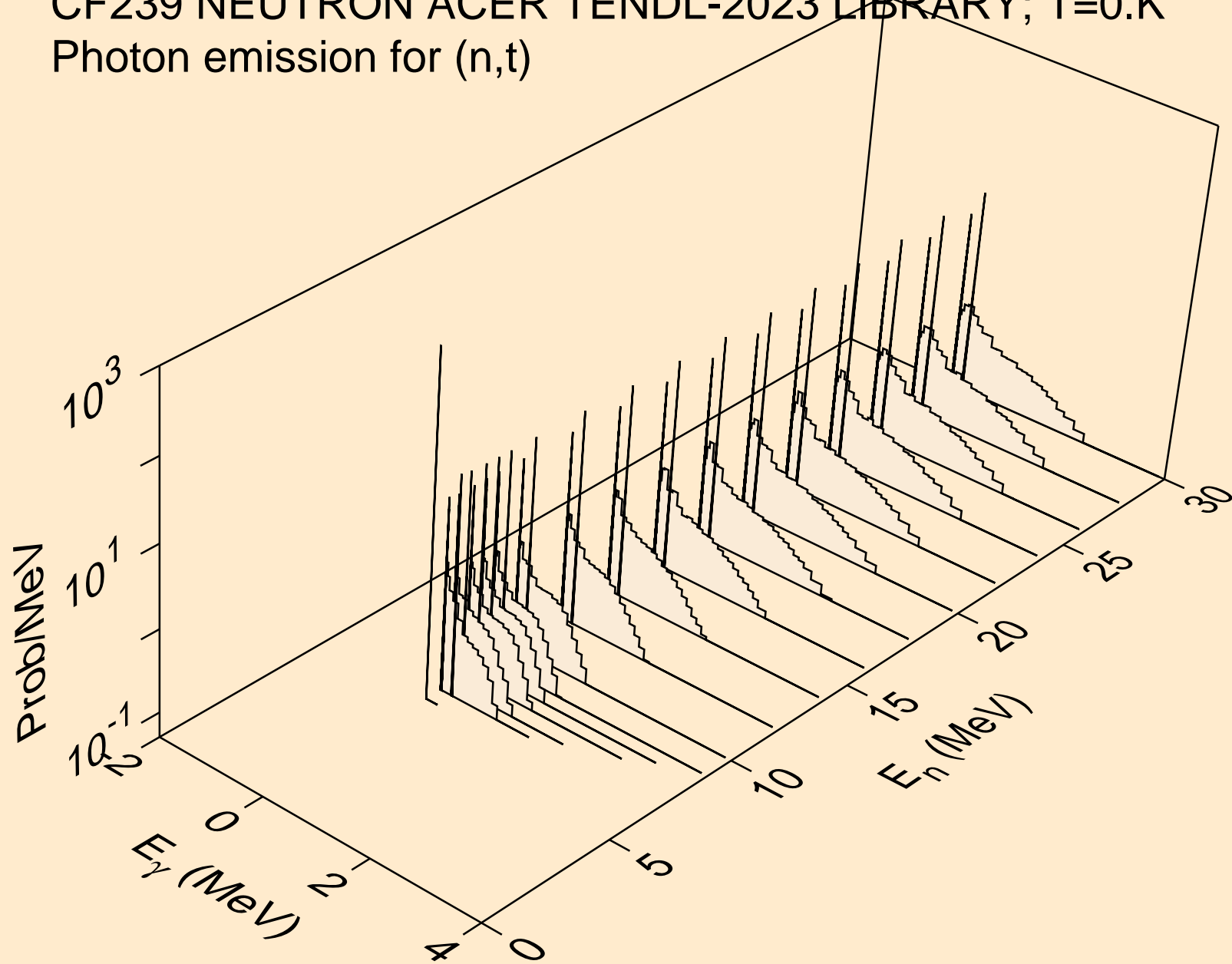
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



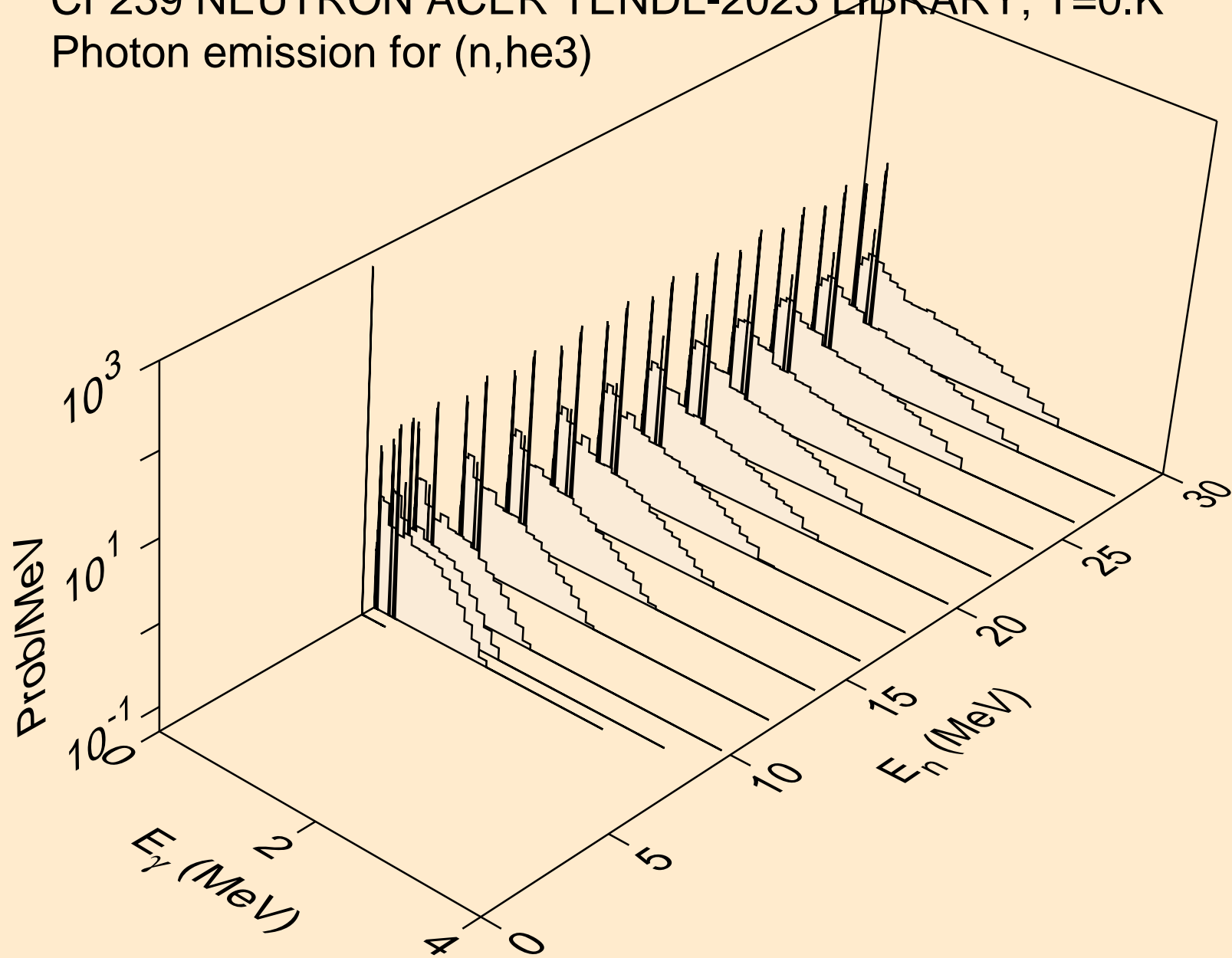
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



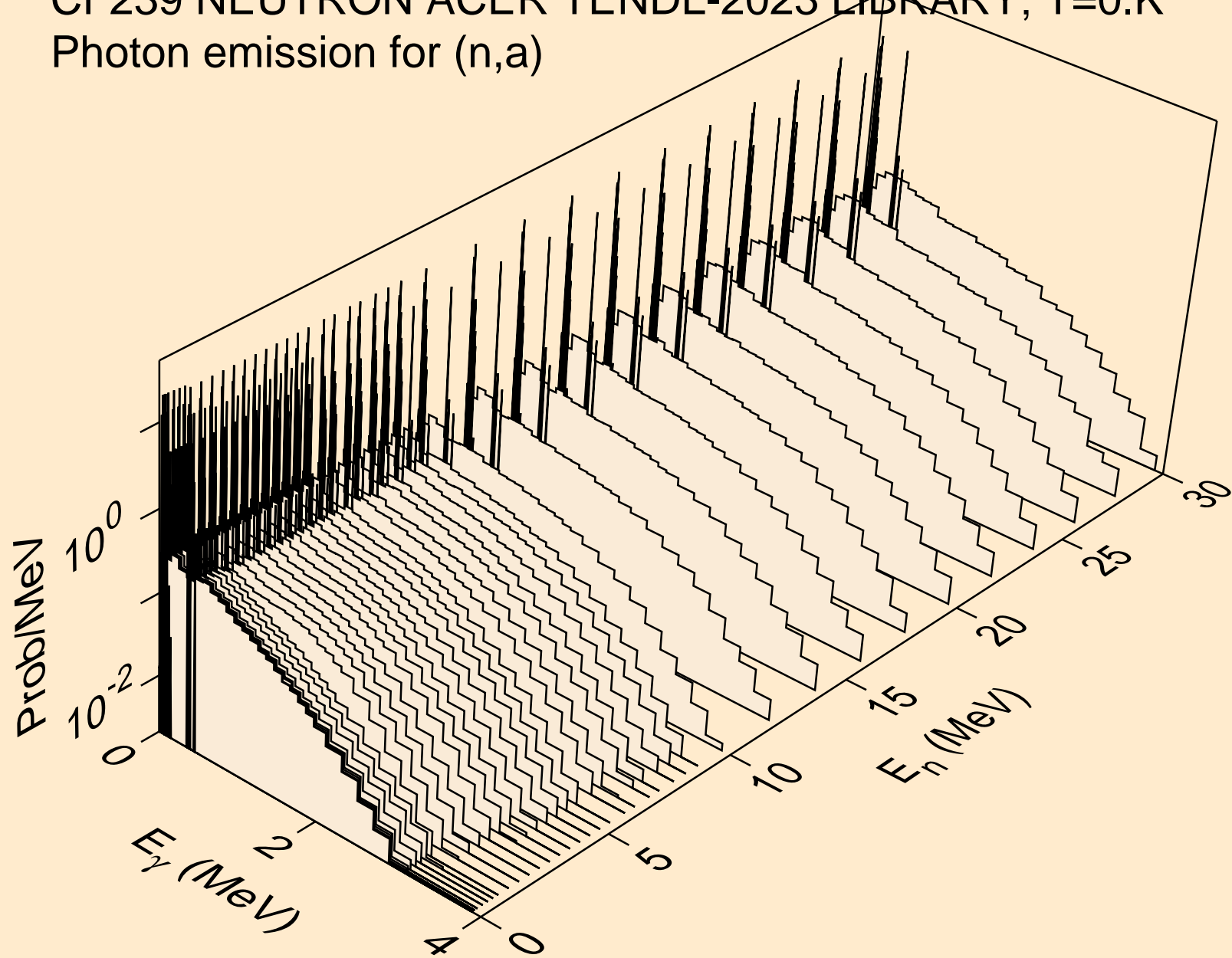
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



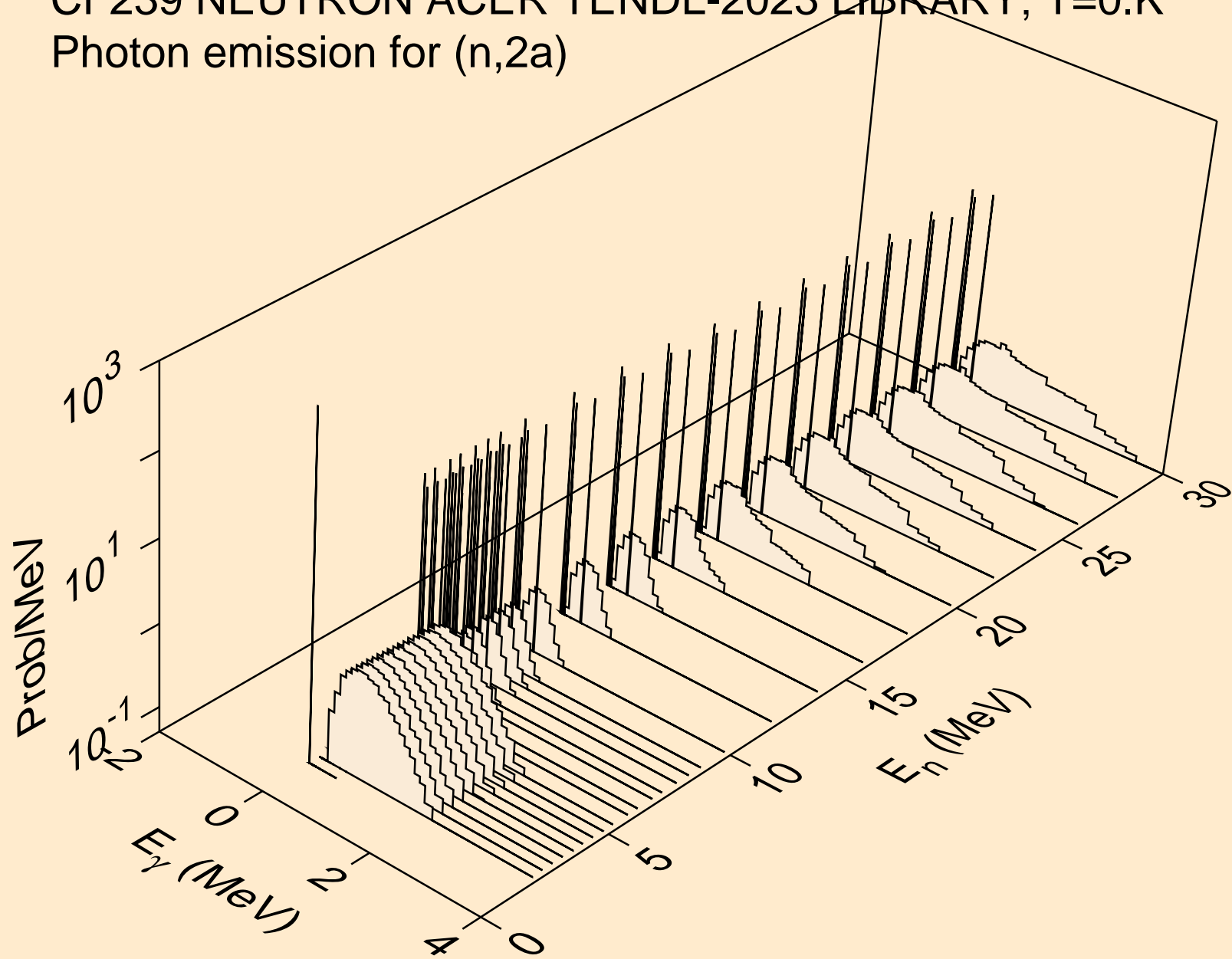
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



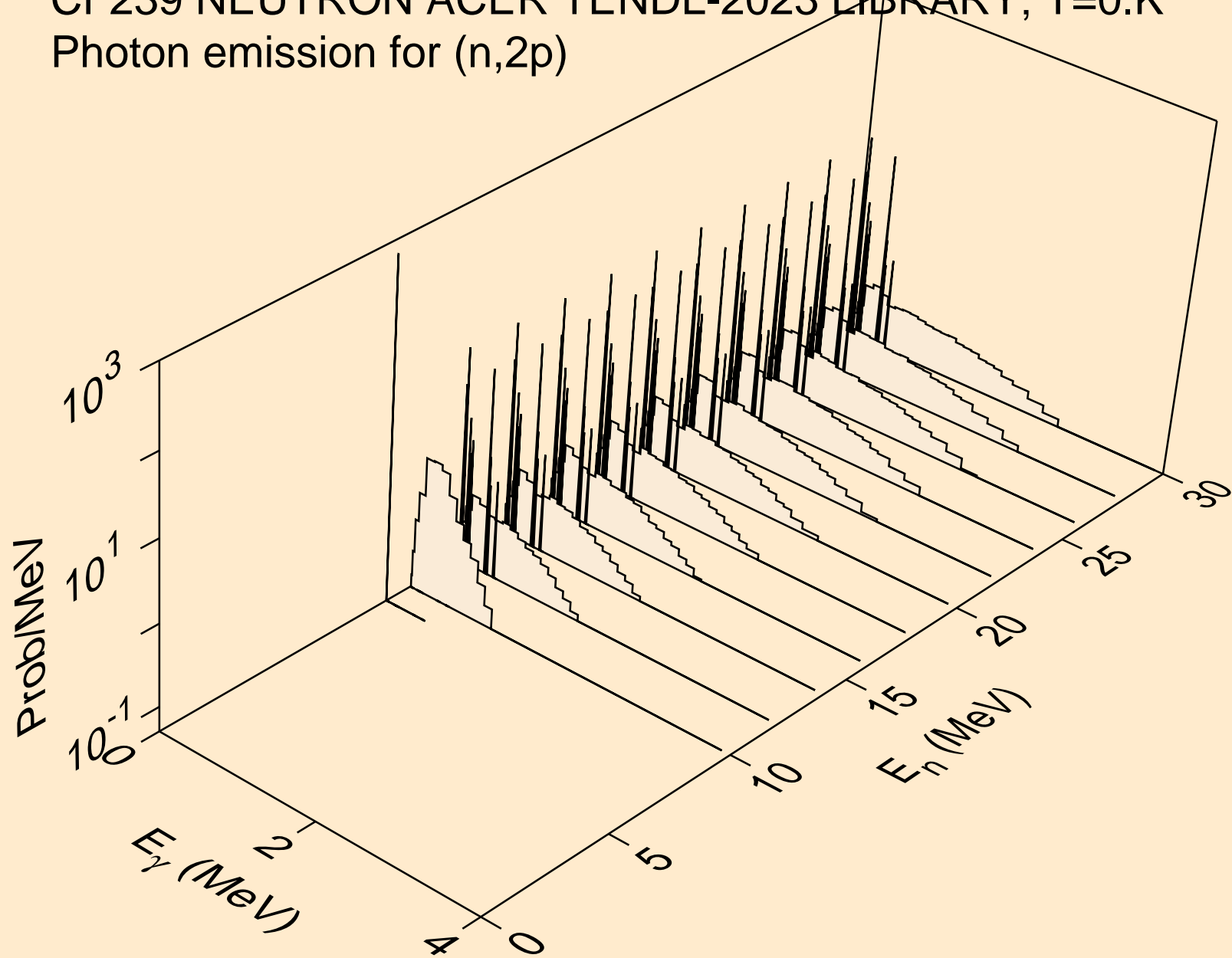
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



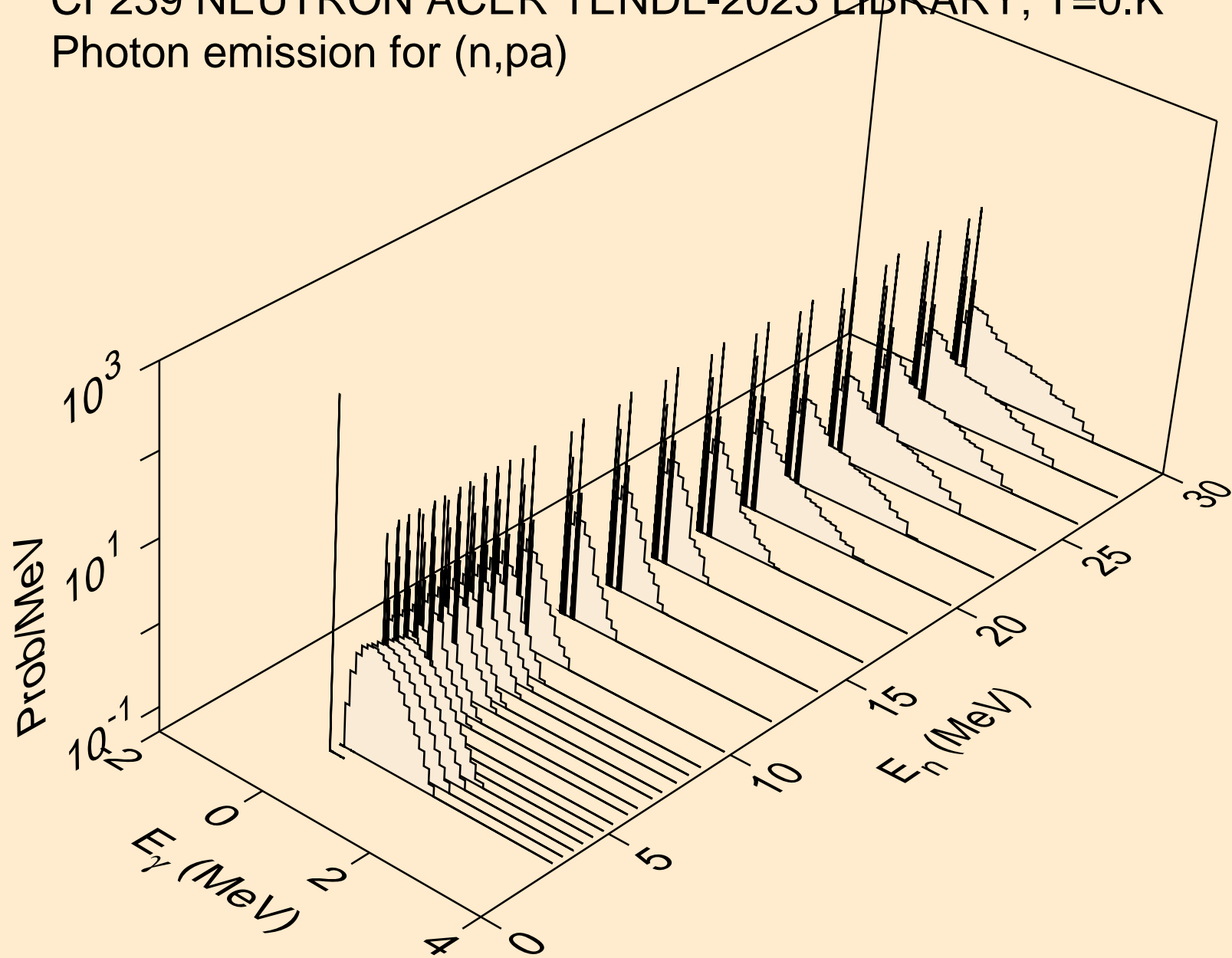
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



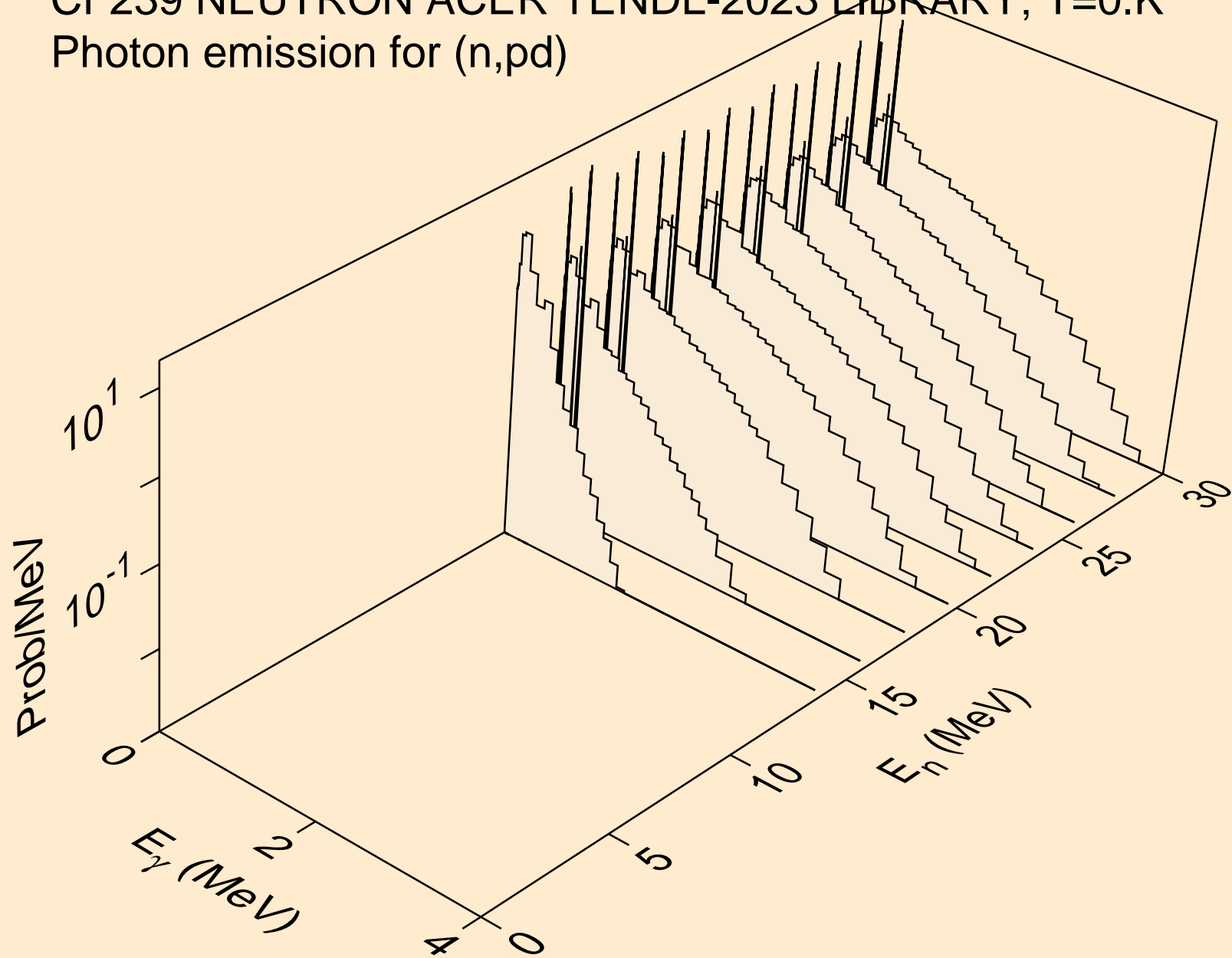
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Photon emission for (n,2p)



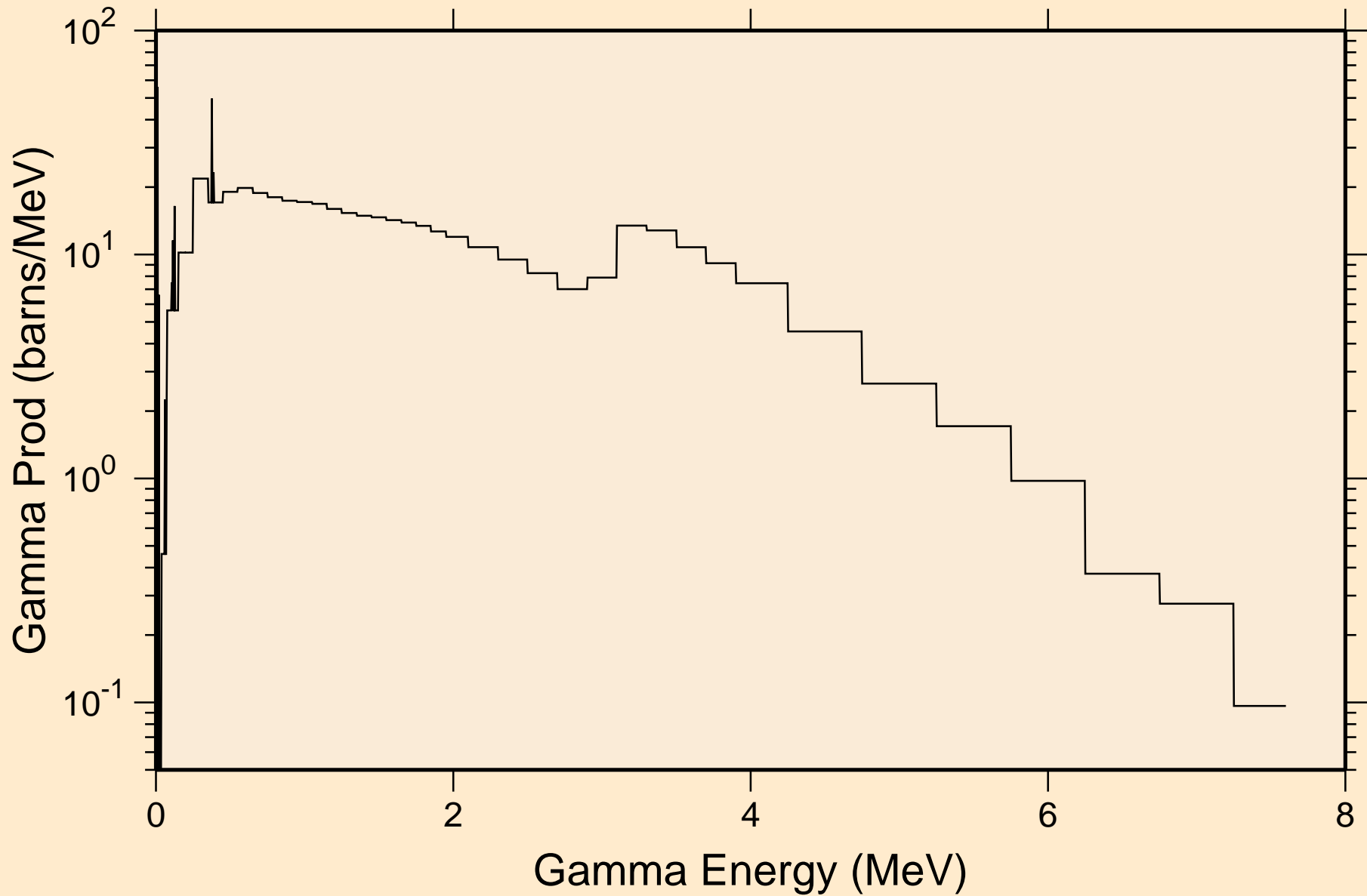
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Photon emission for (n,p α)



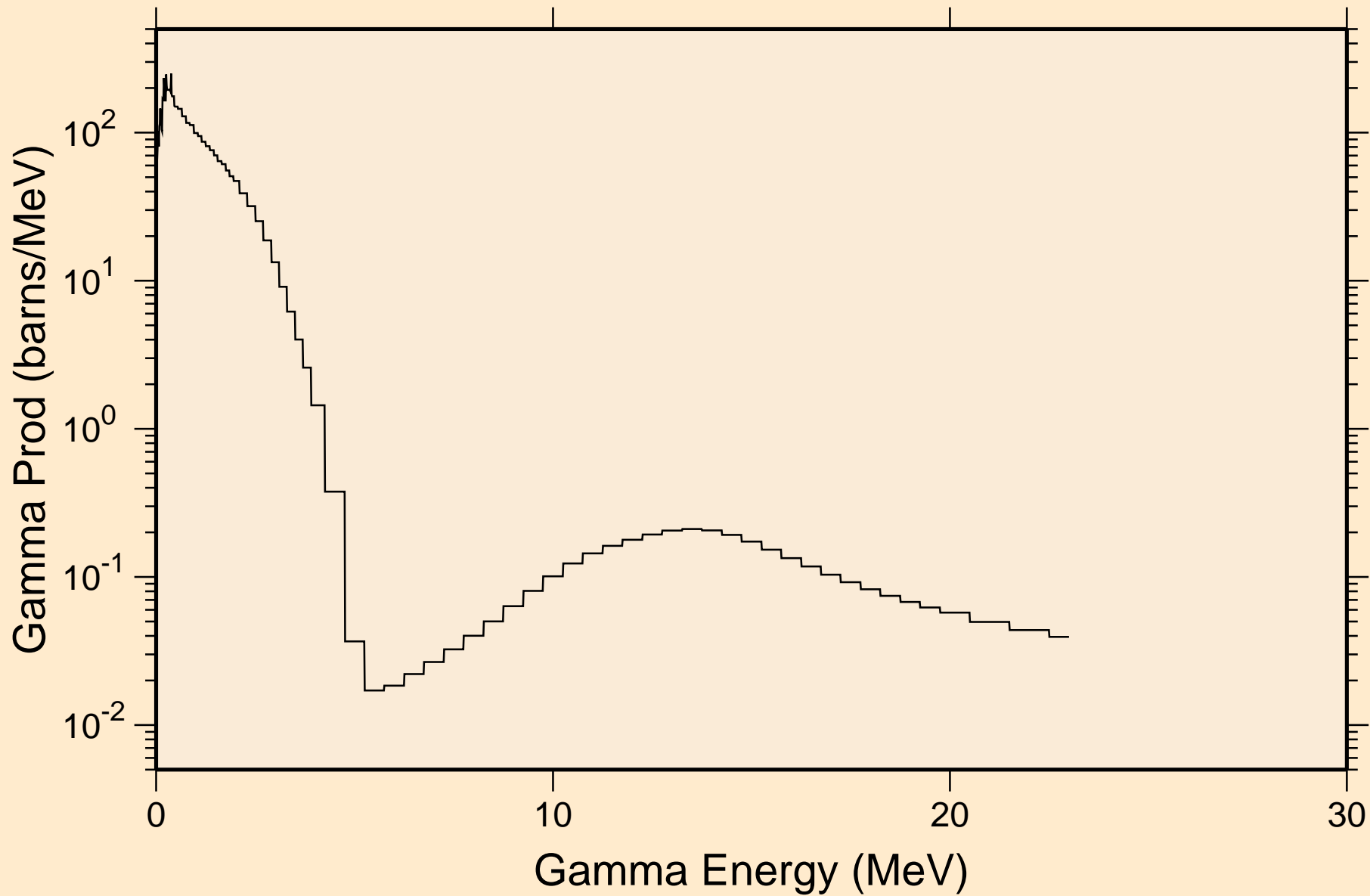
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

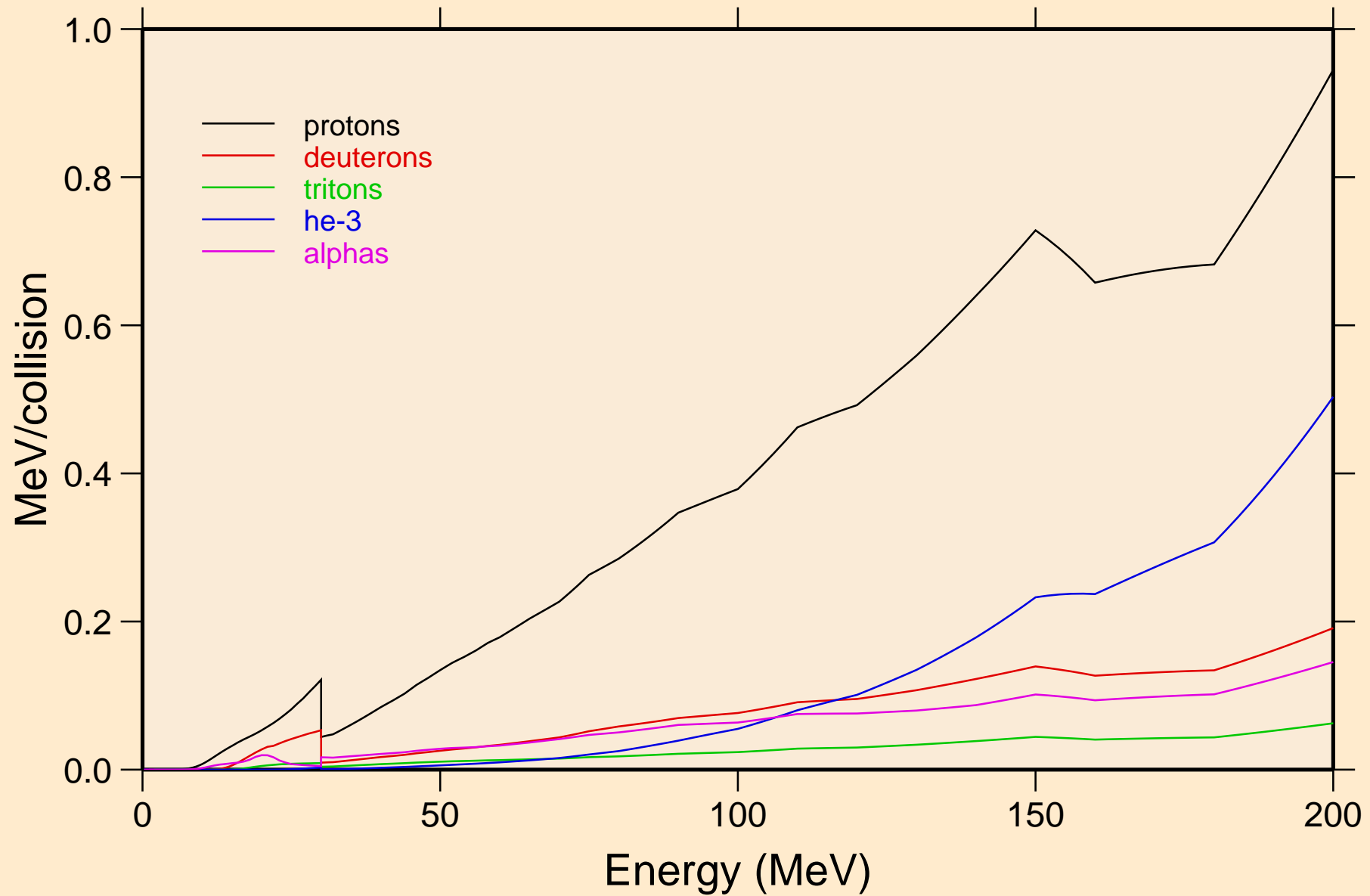


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

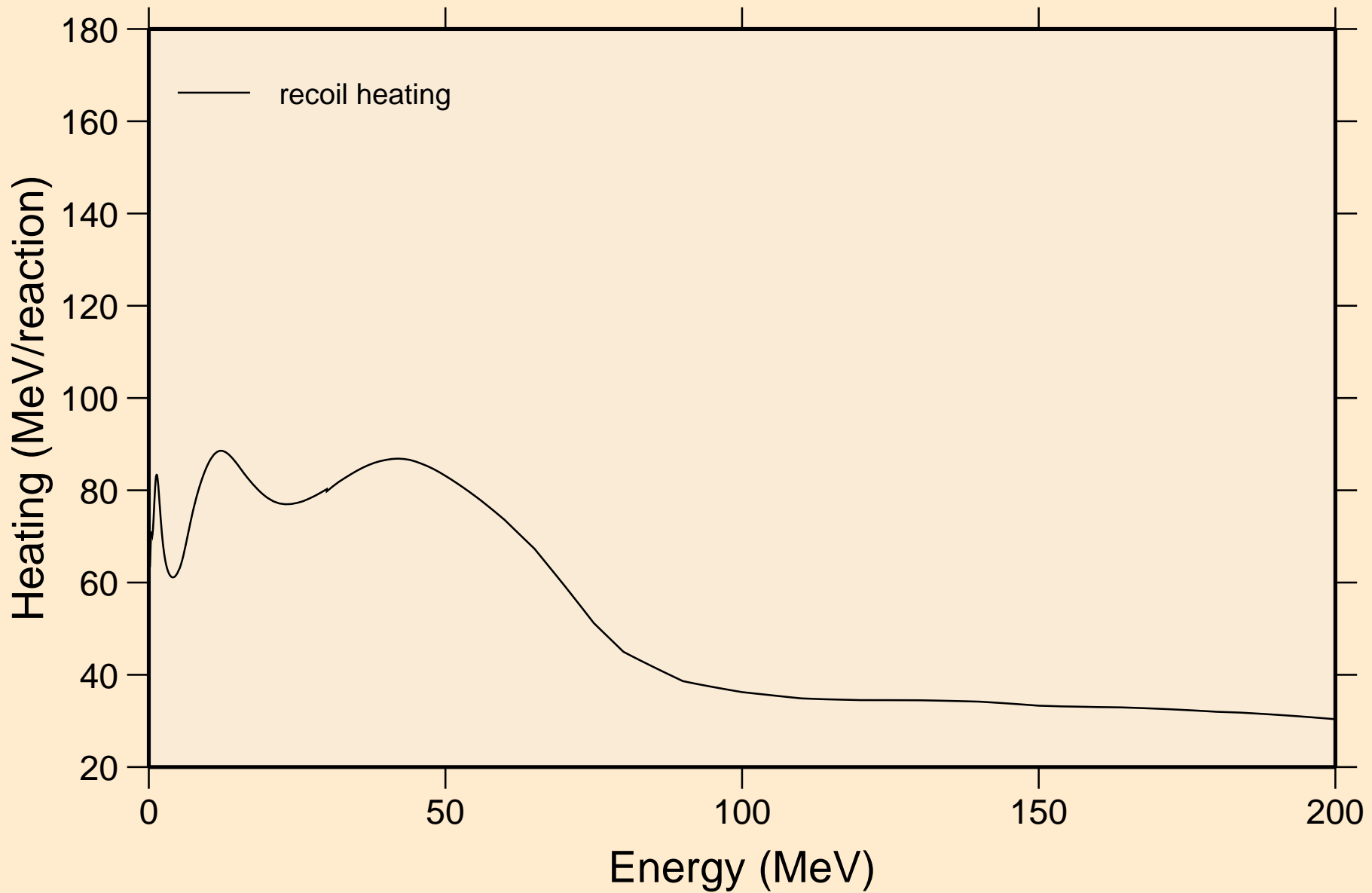


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

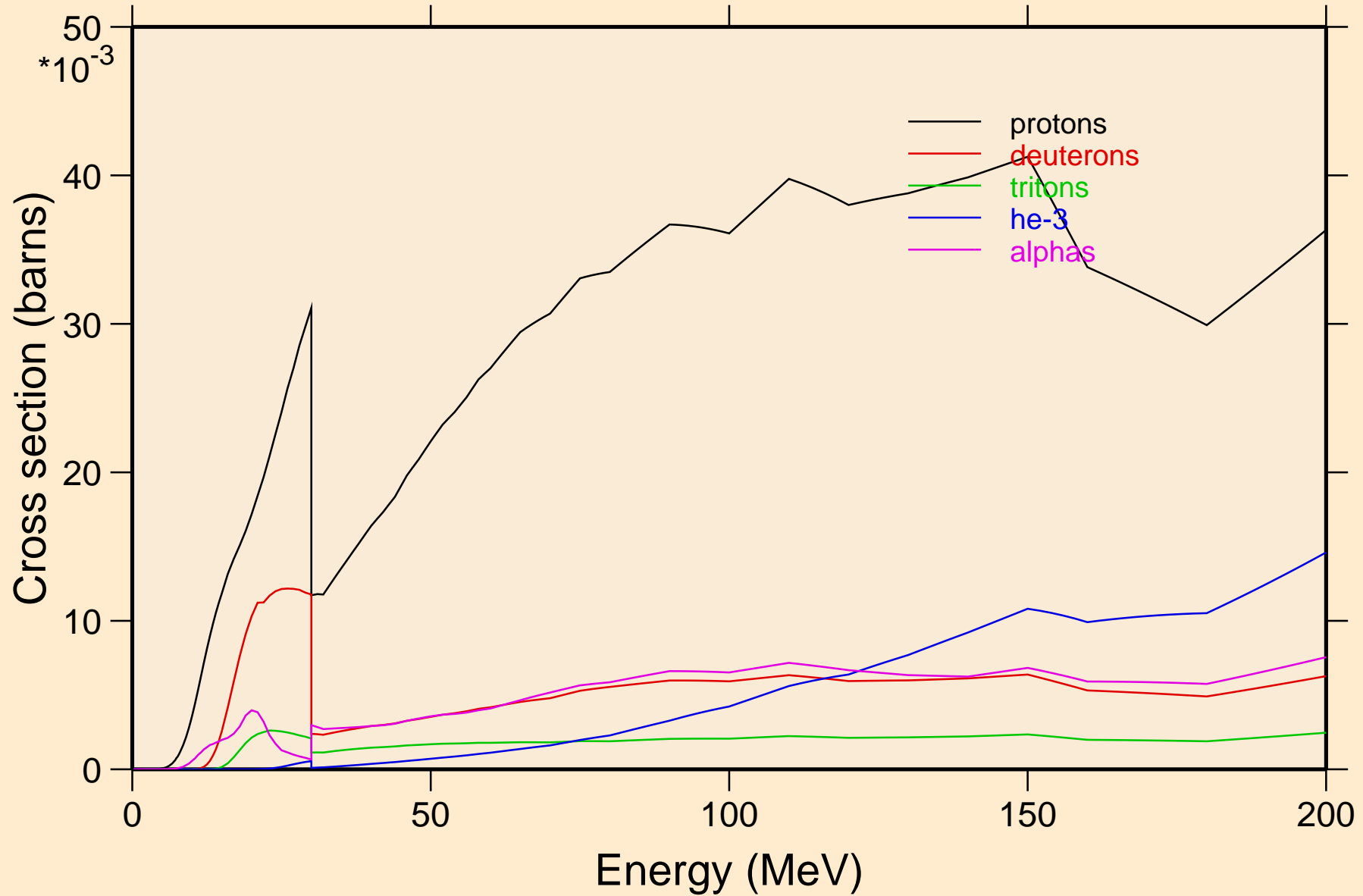


CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

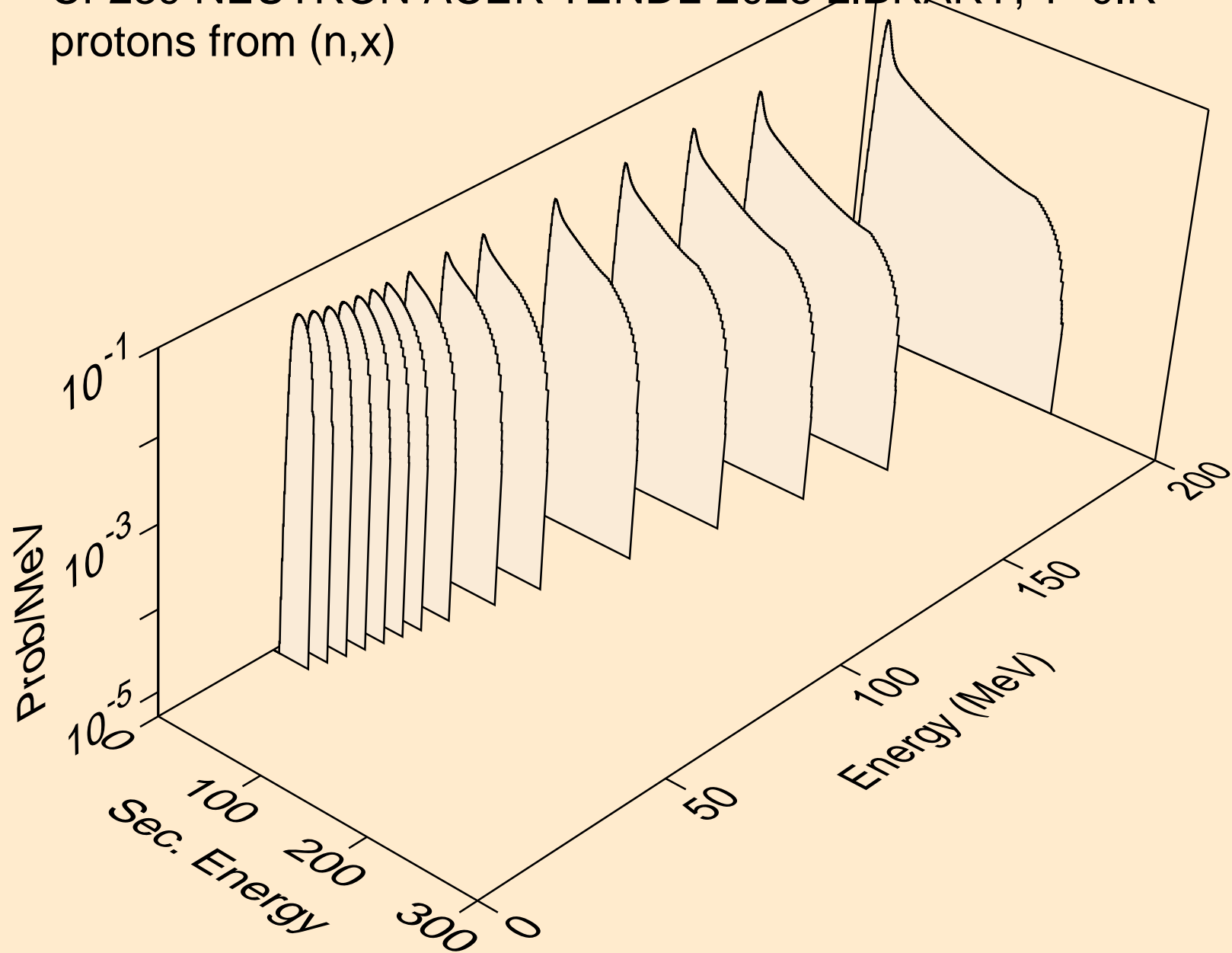


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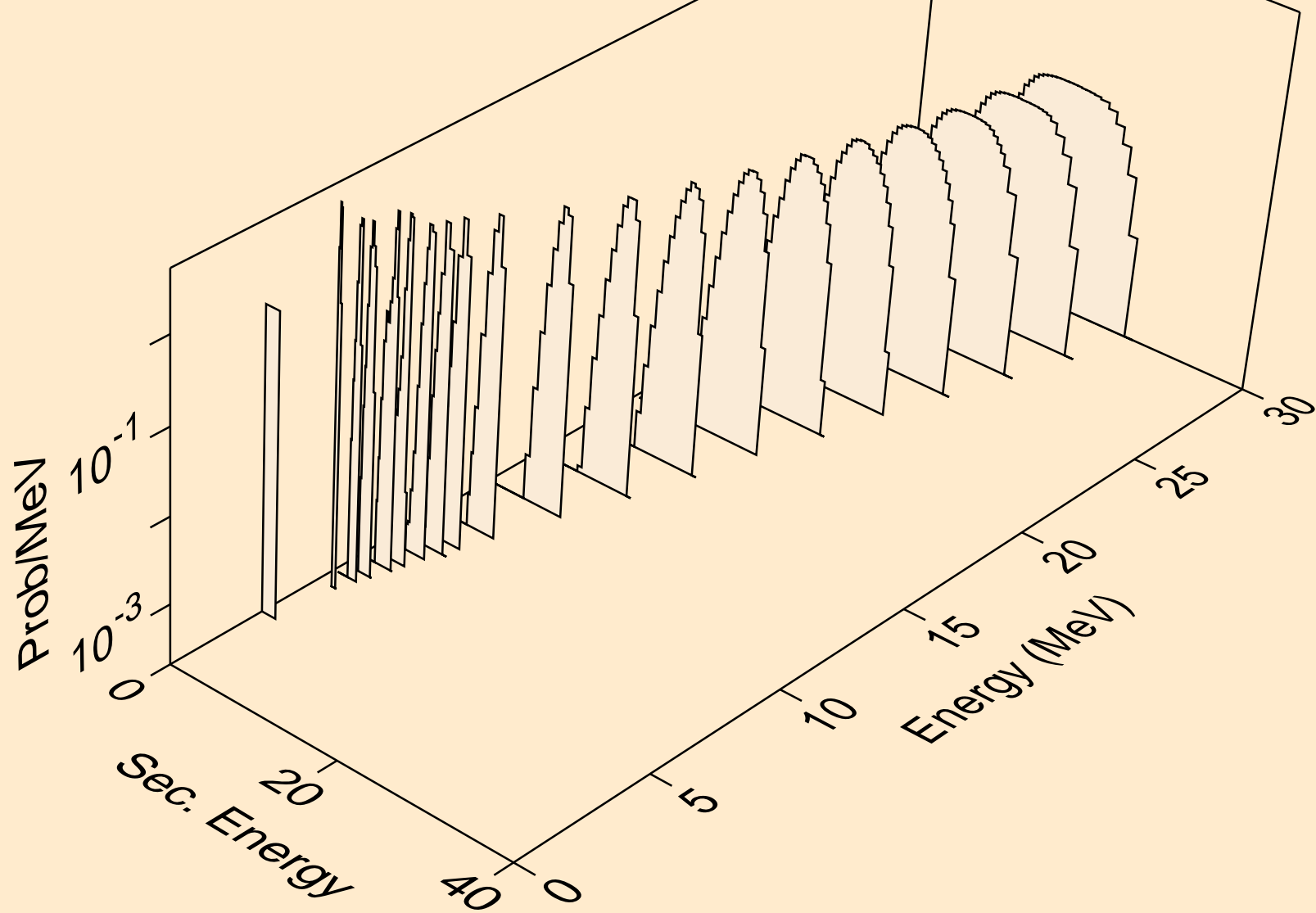
Particle production cross sections



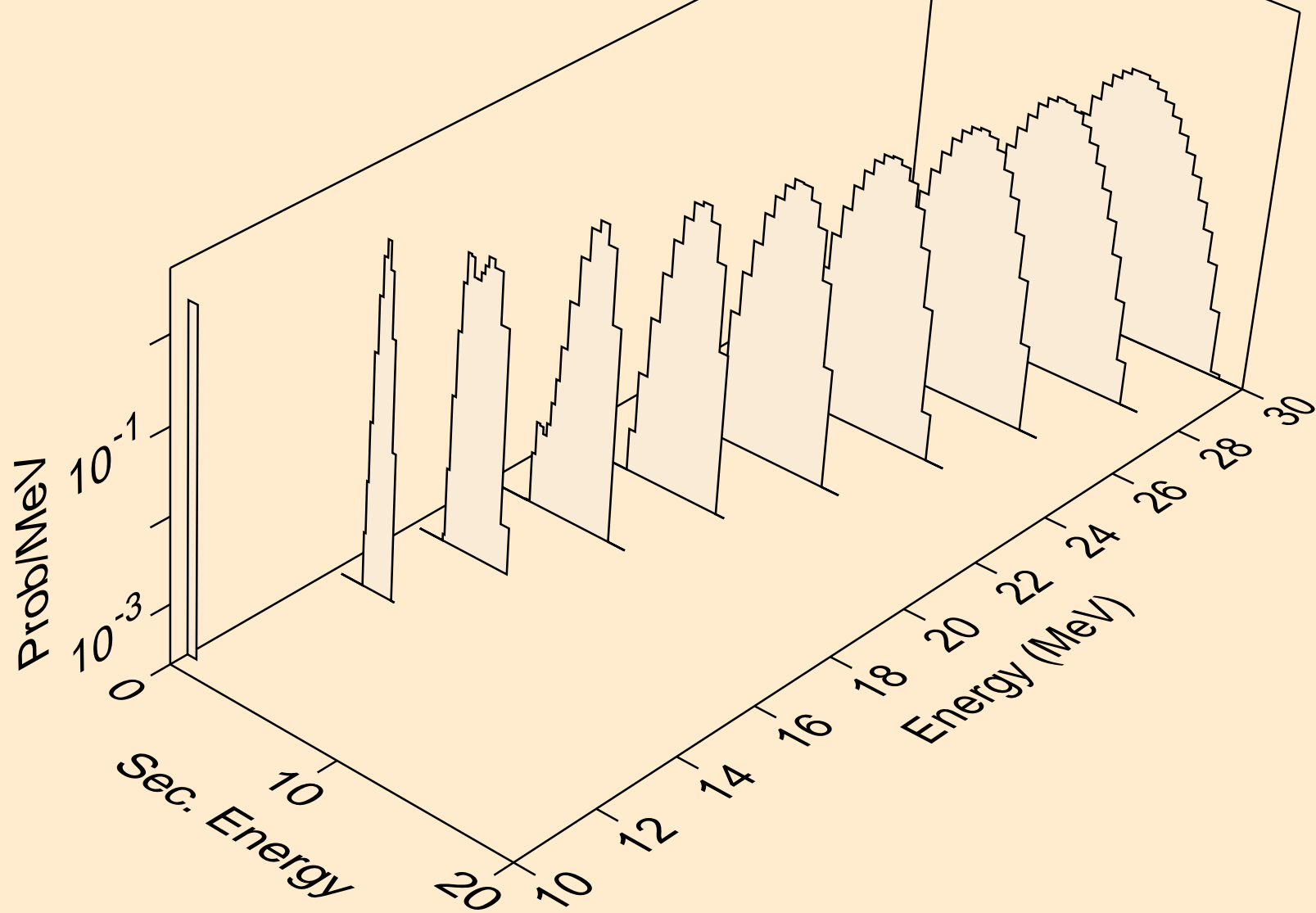
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



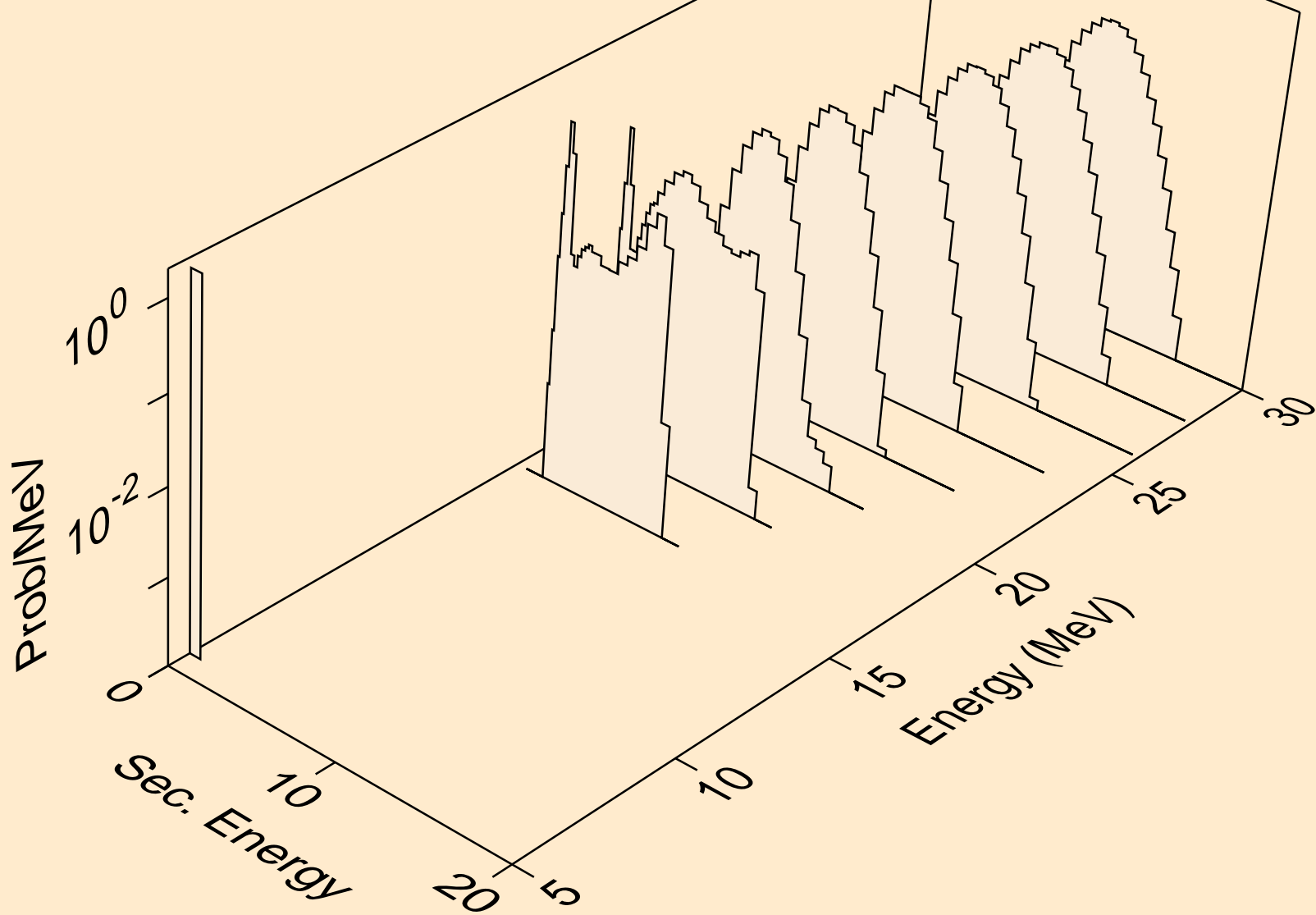
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



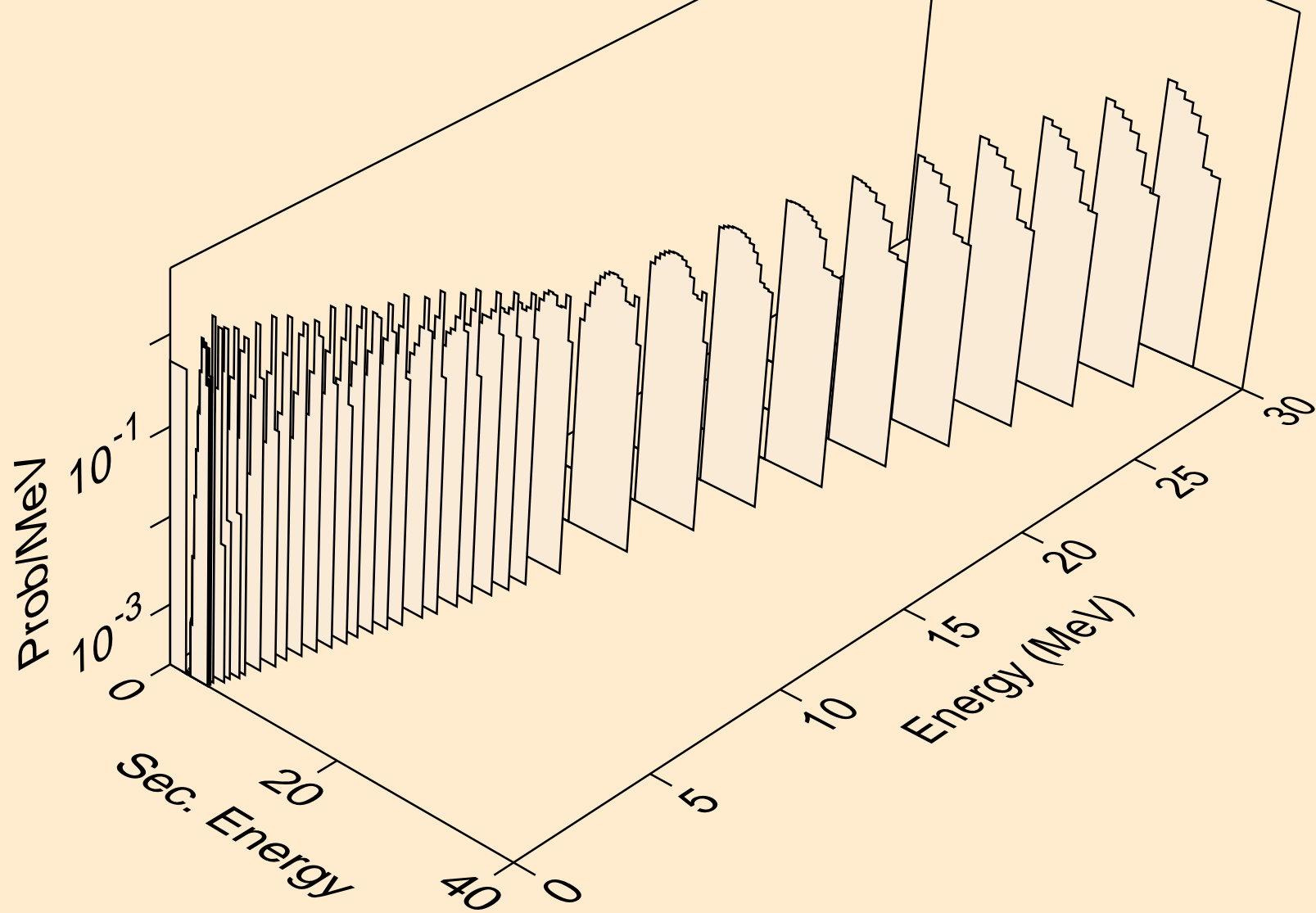
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protons from (n,2np)



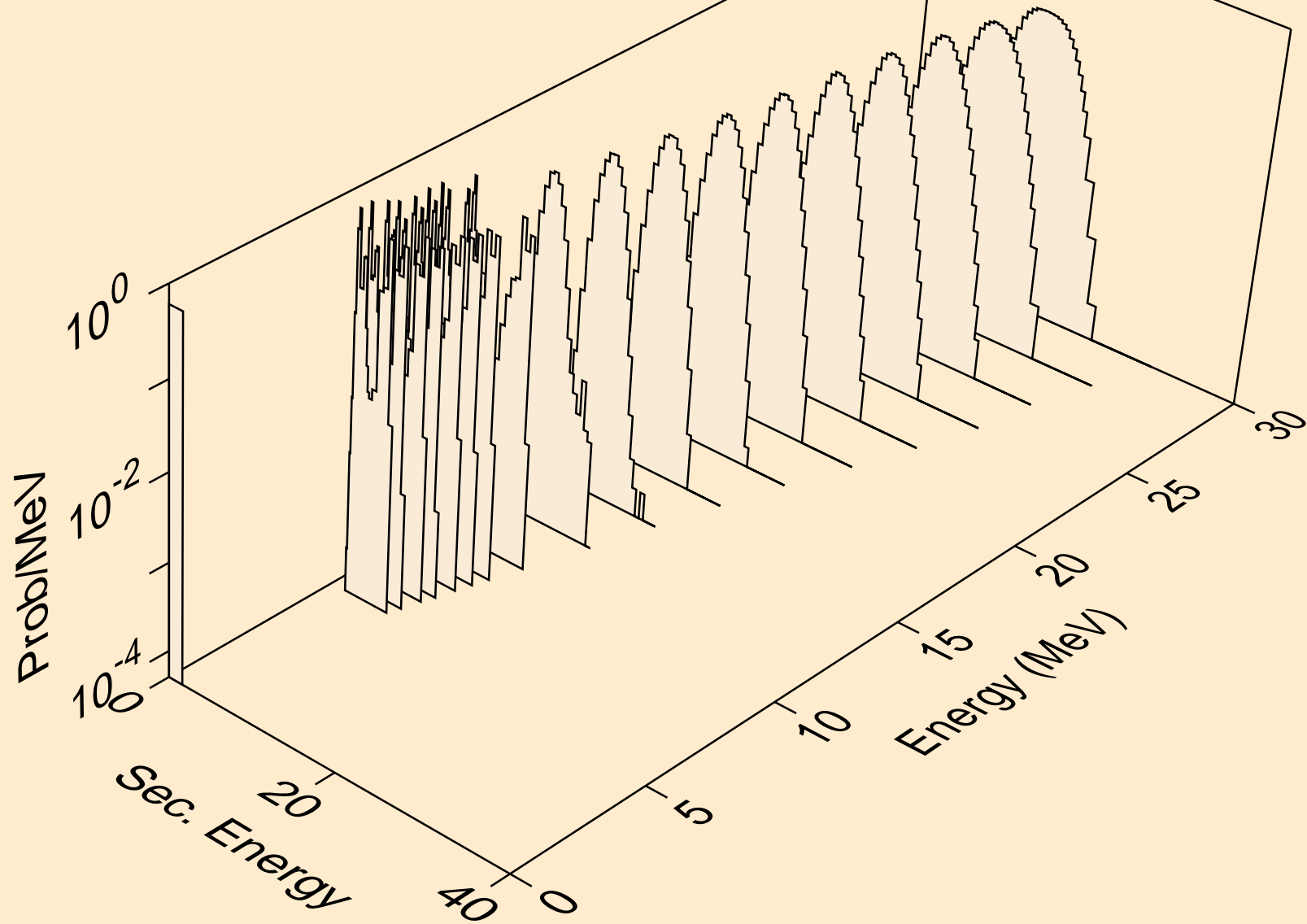
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protons from (n,n2p)



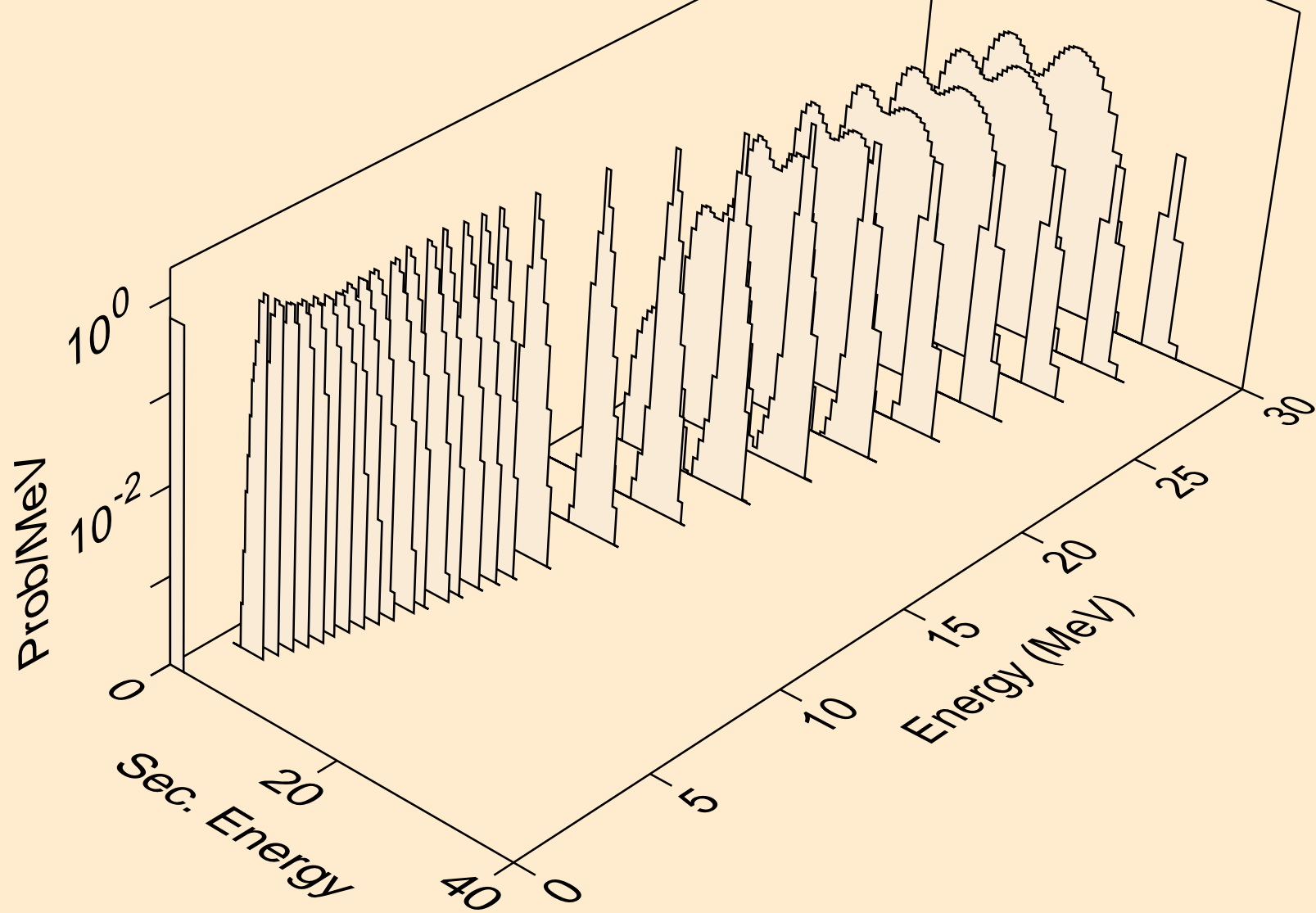
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protons from (n,p)



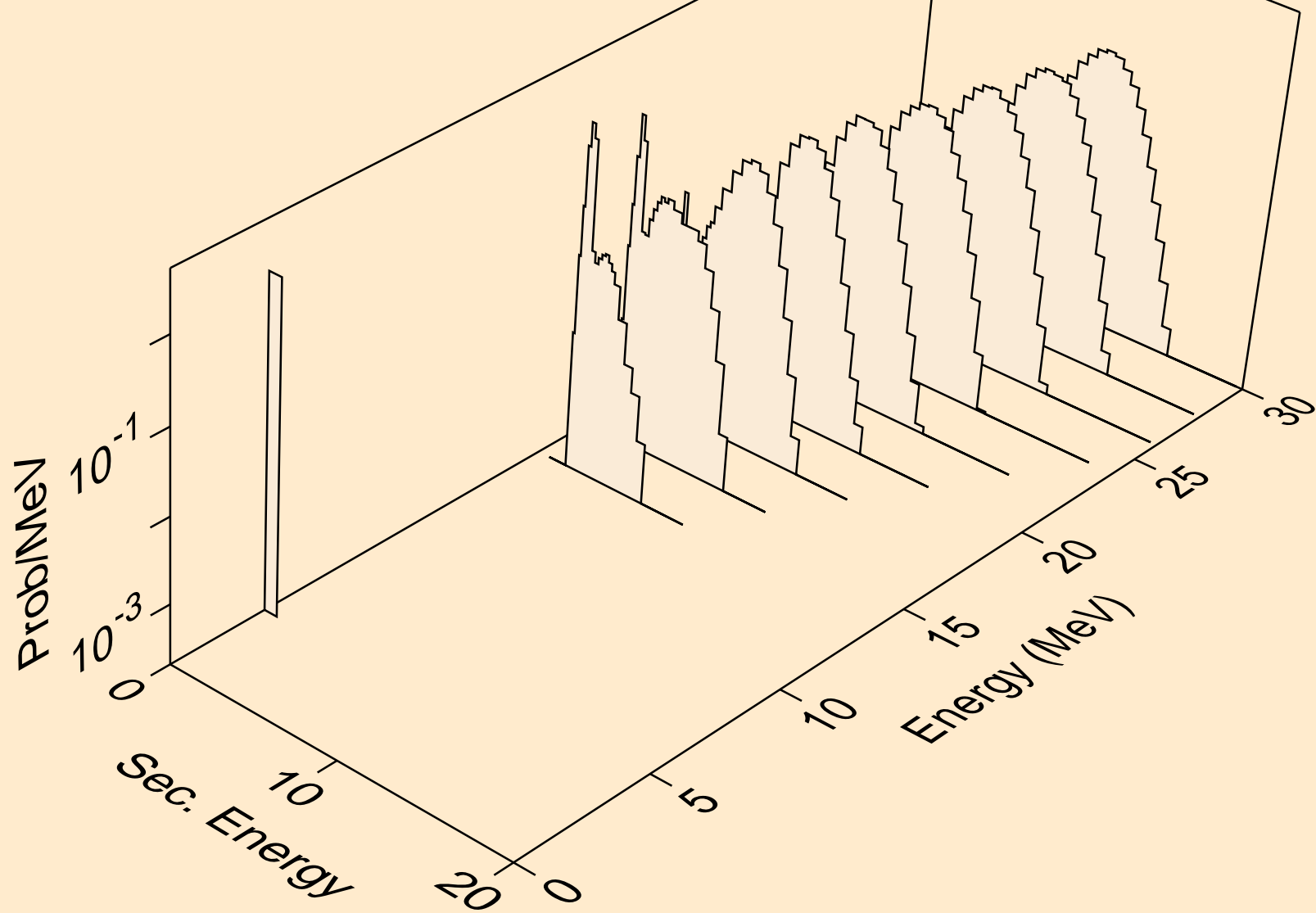
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protons from (n,2p)



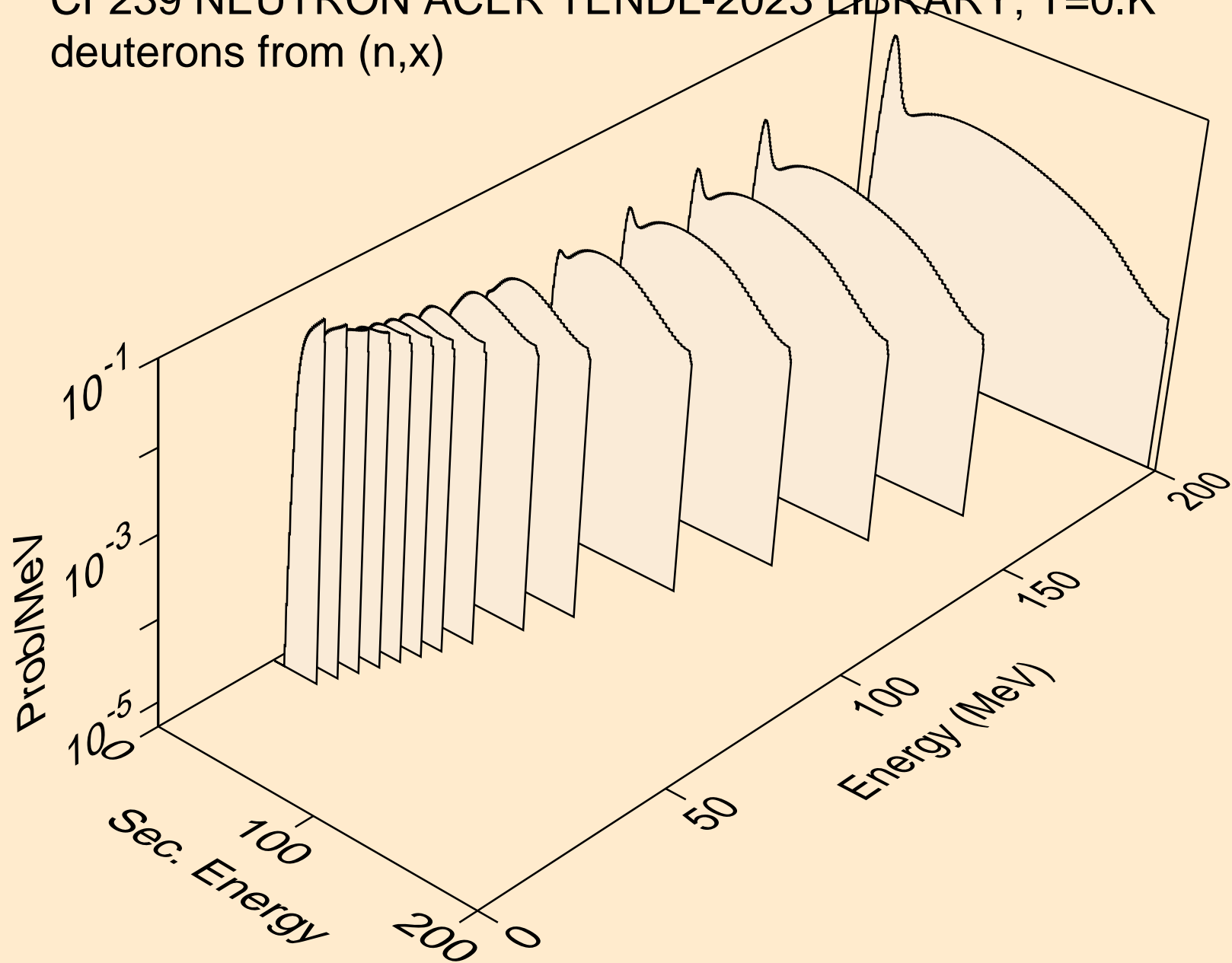
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protons from (n,p)



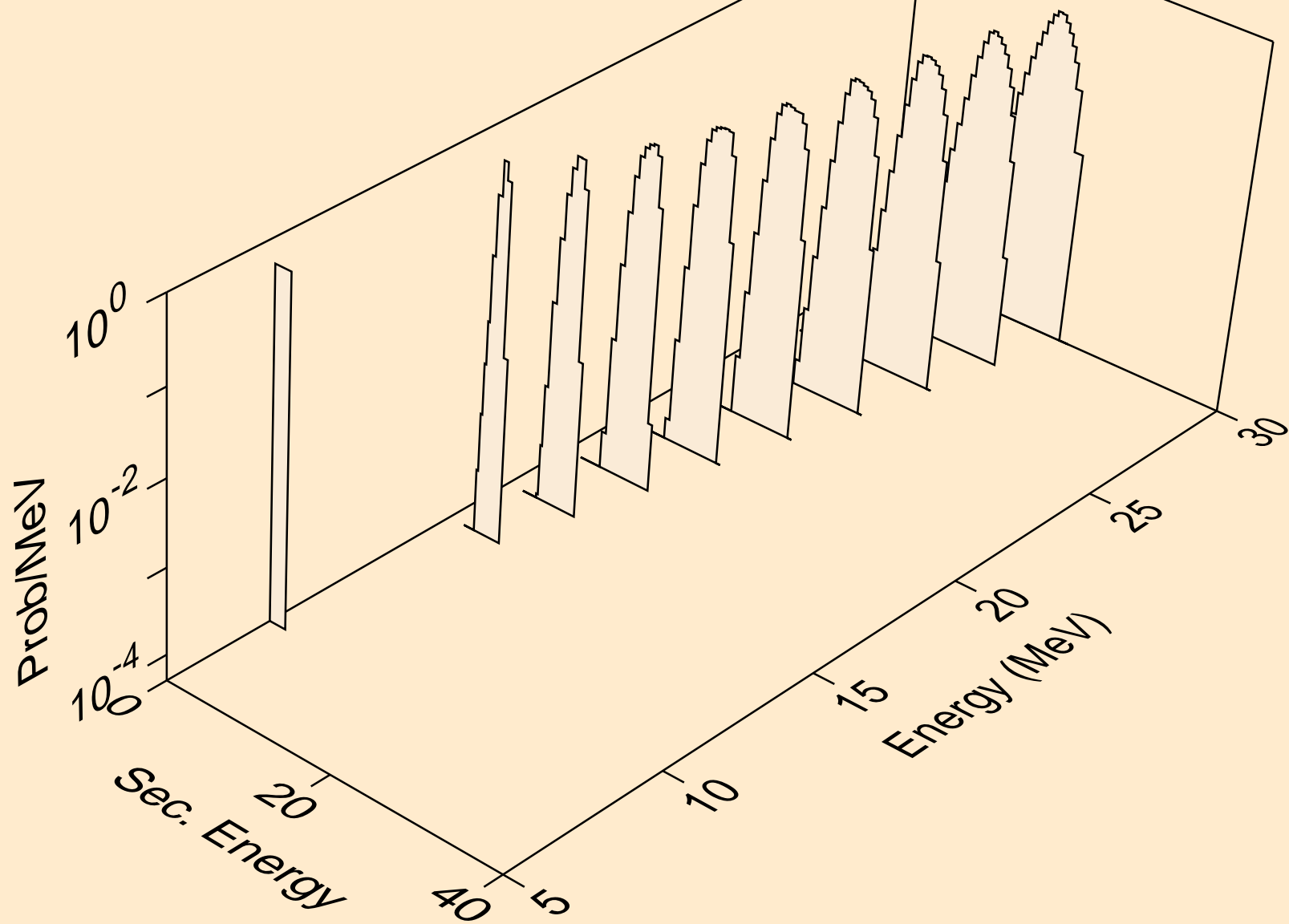
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protons from (n,pd)



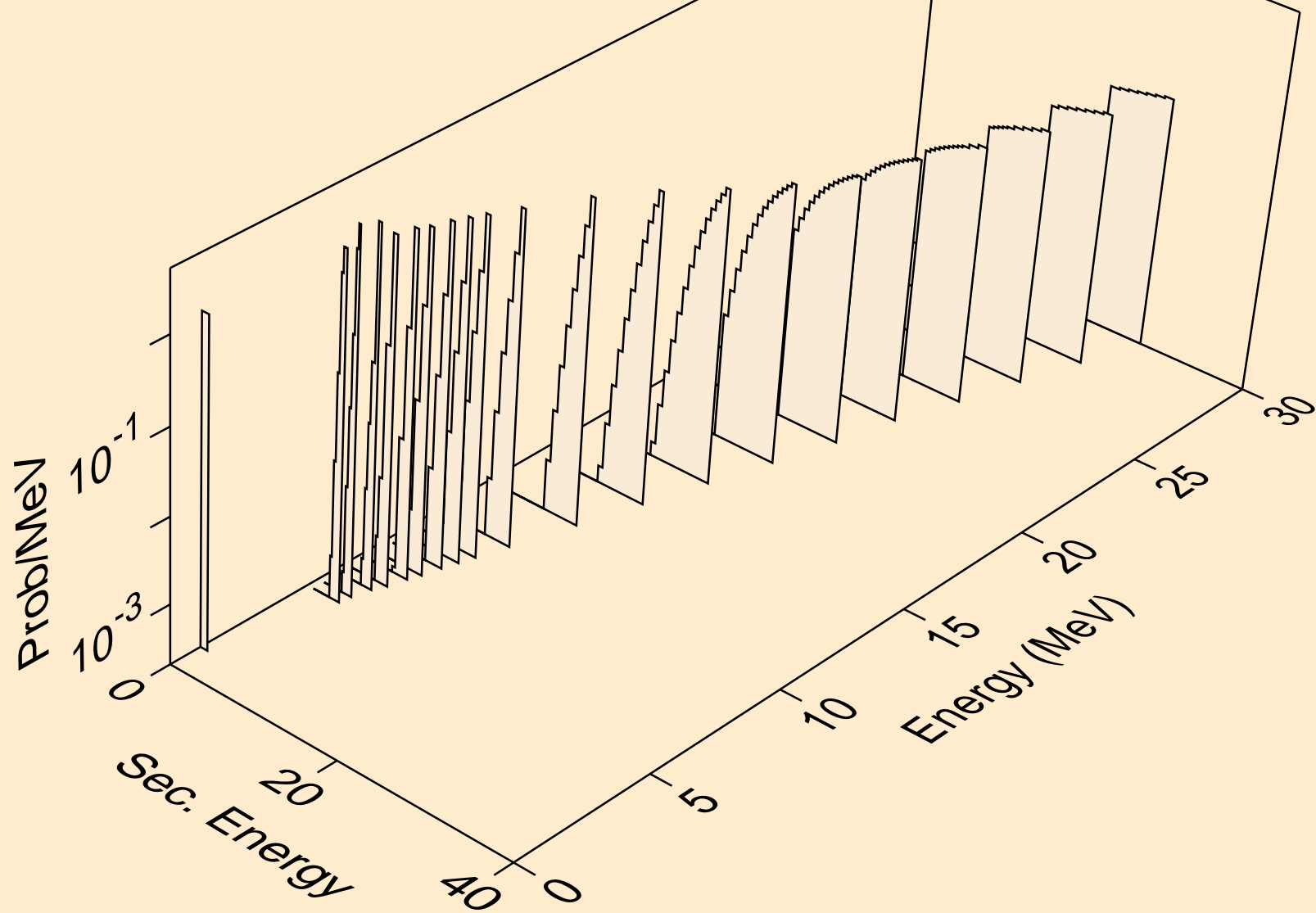
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



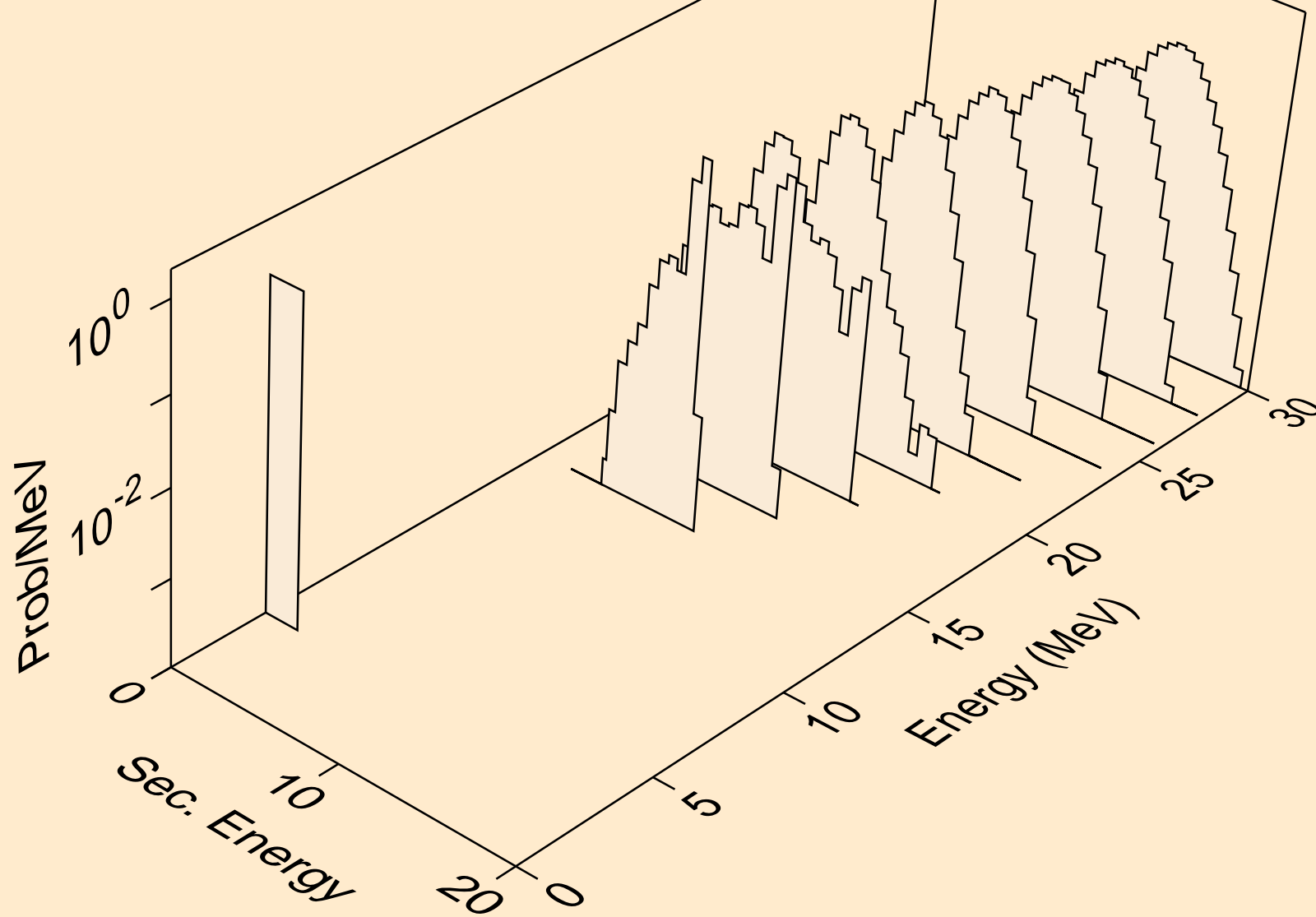
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



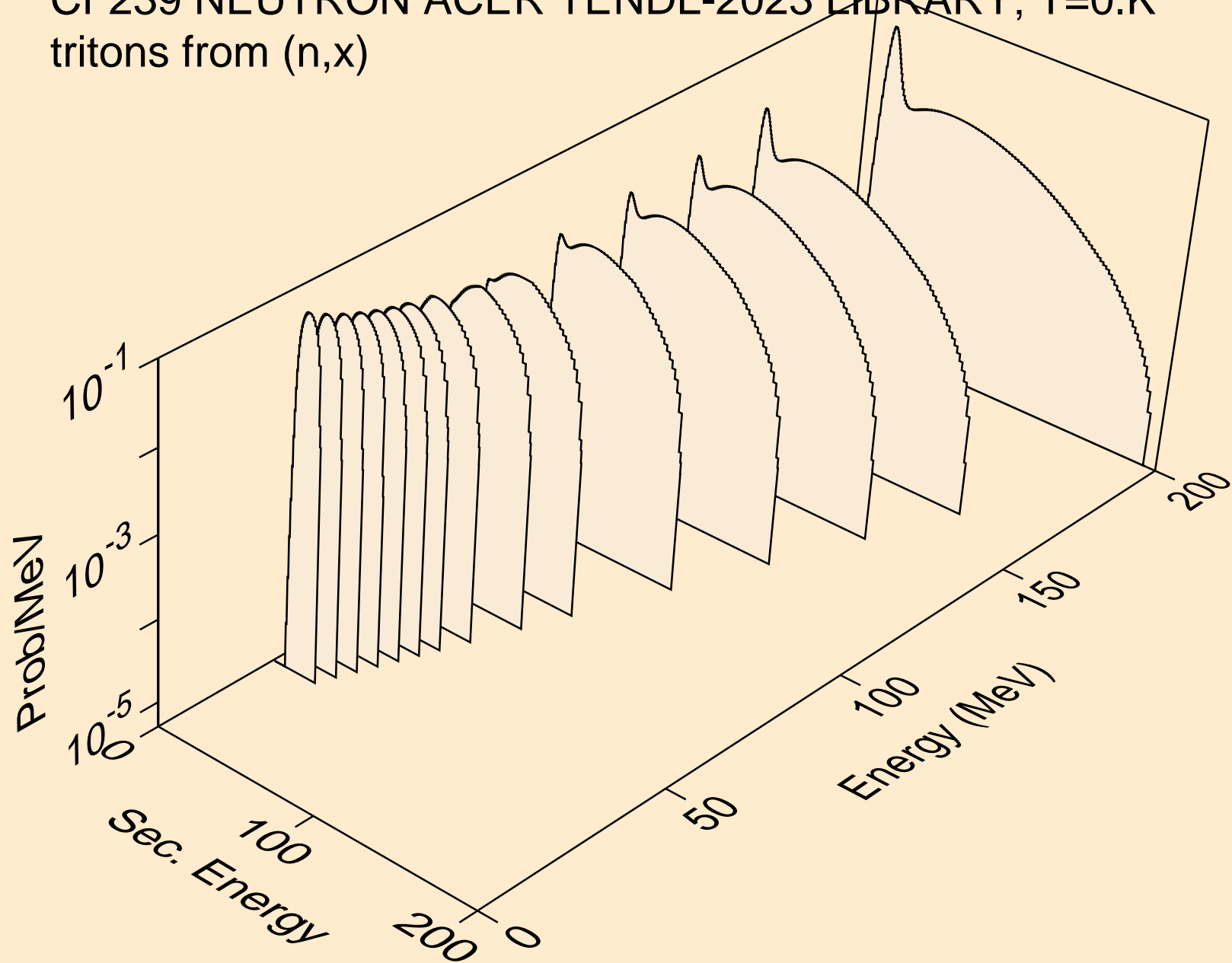
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deuterons from (n,d)



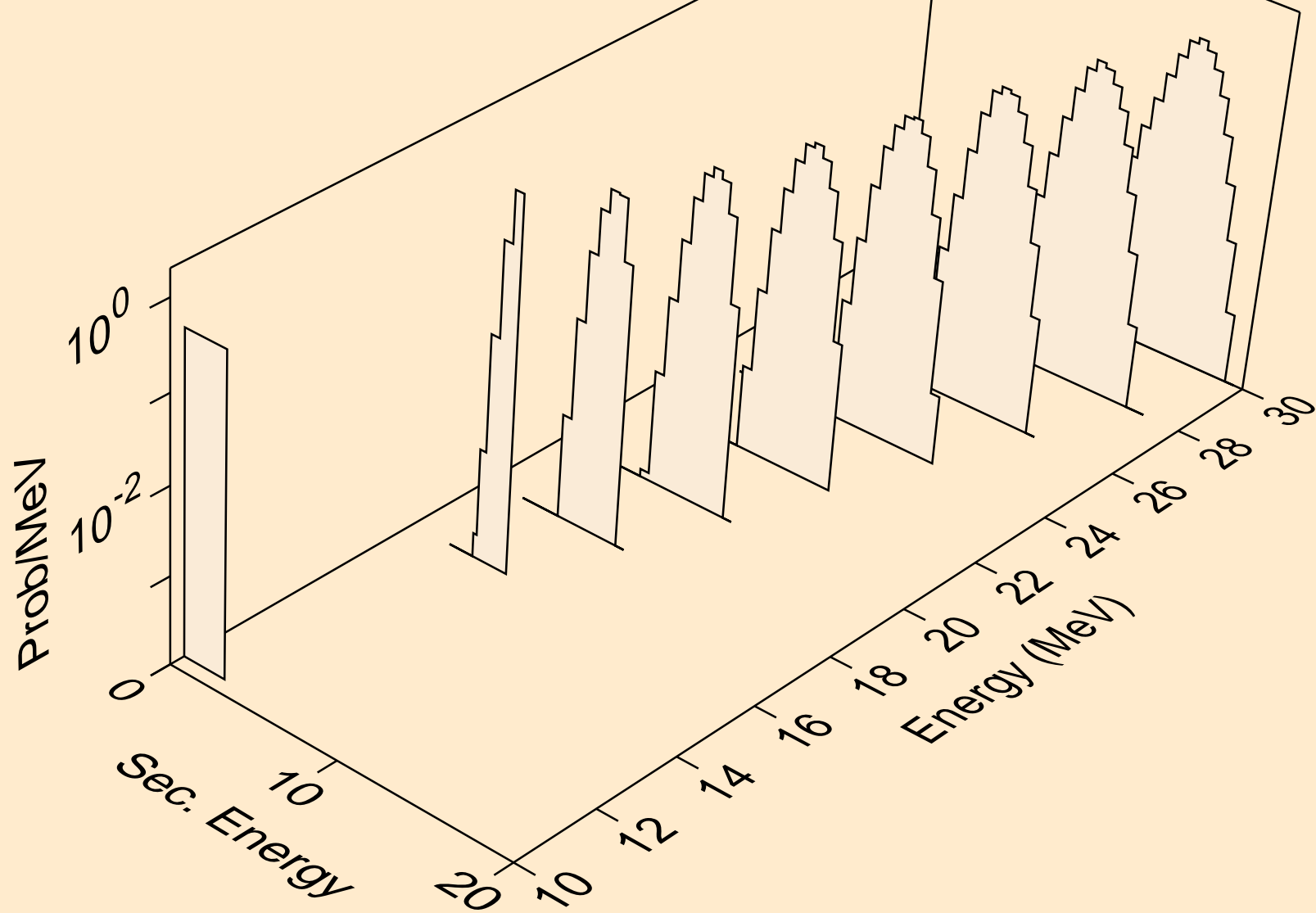
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deuterons from (n,pd)



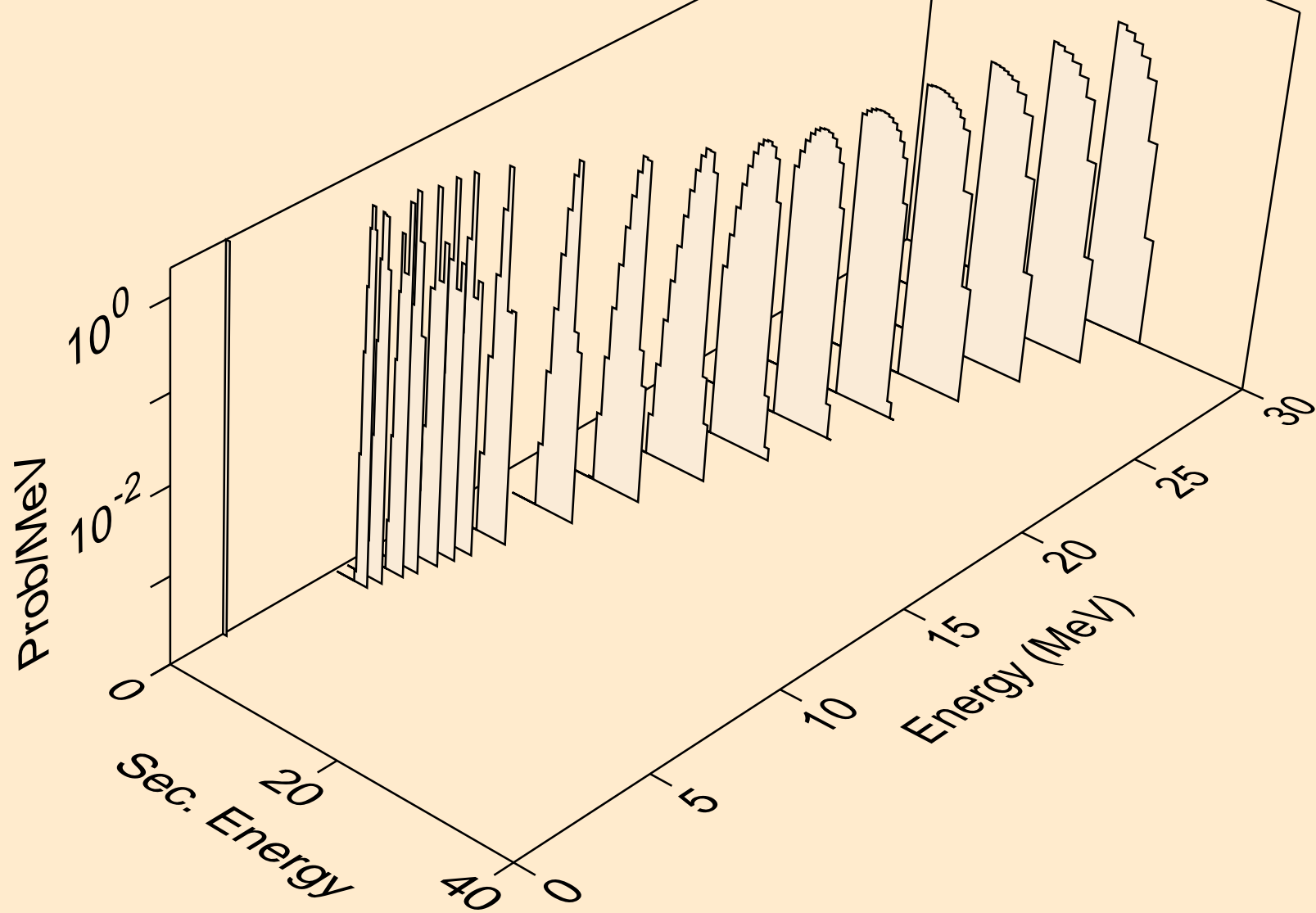
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



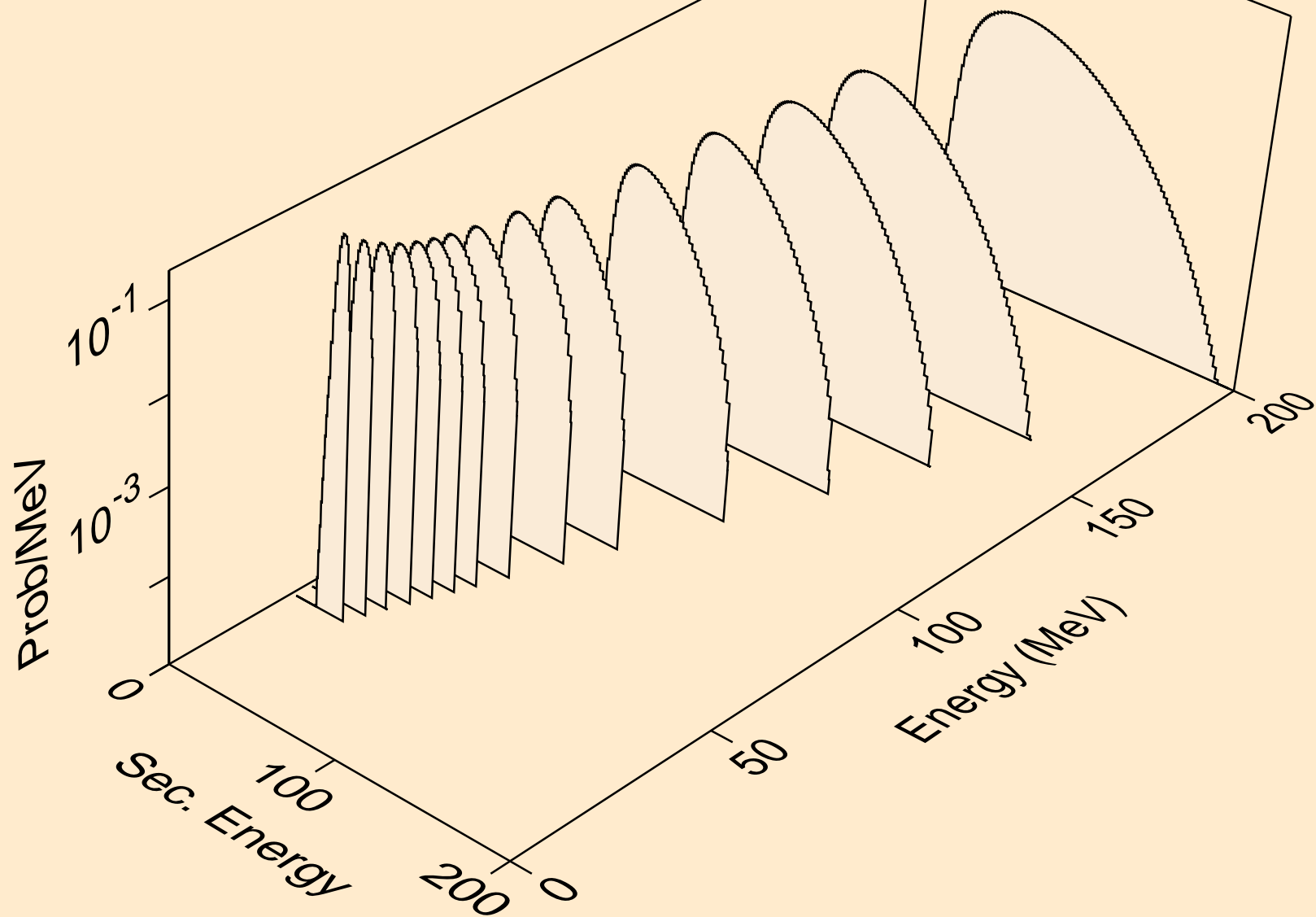
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



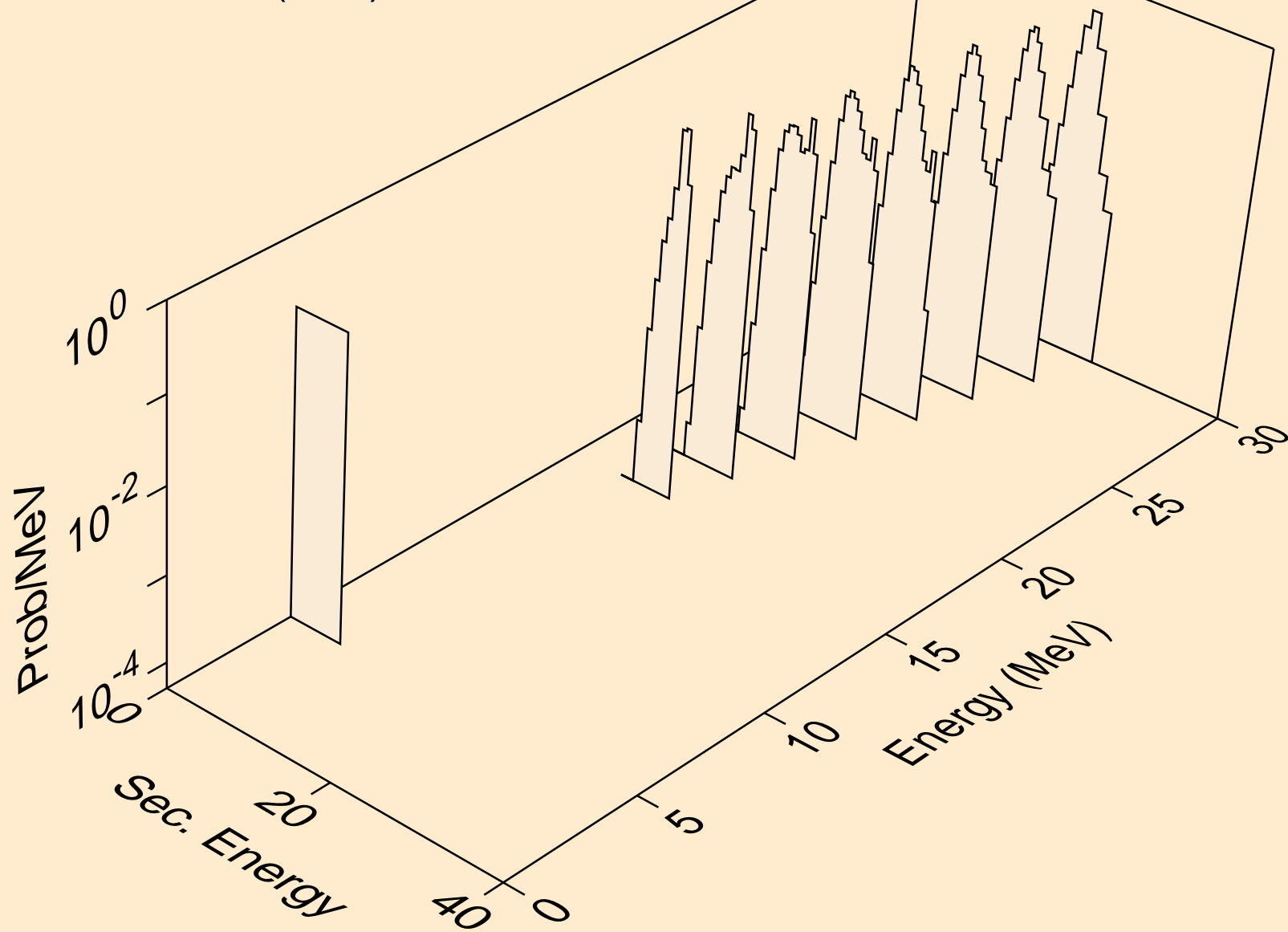
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tritons from (n,t)



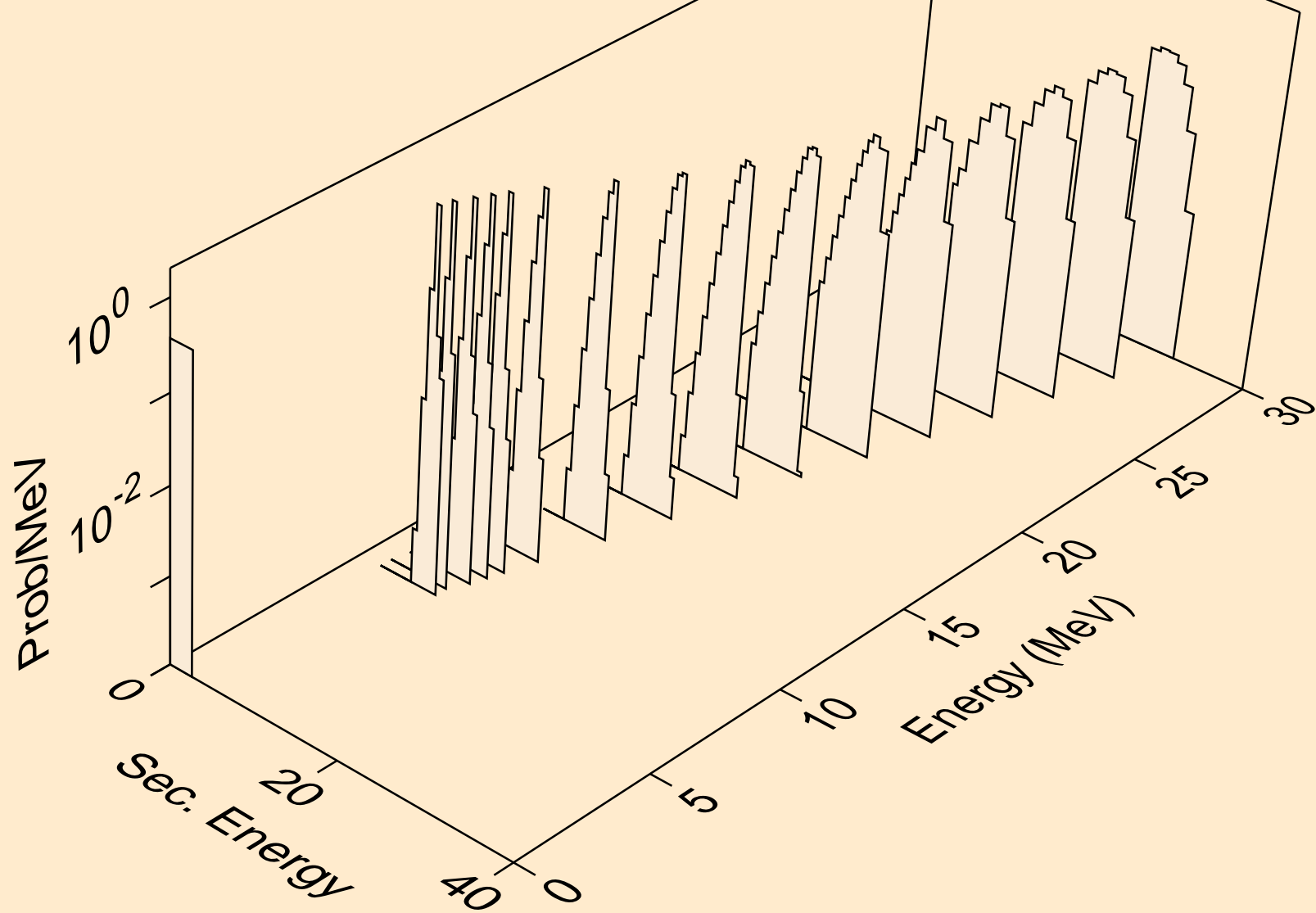
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he3s from (n,x)



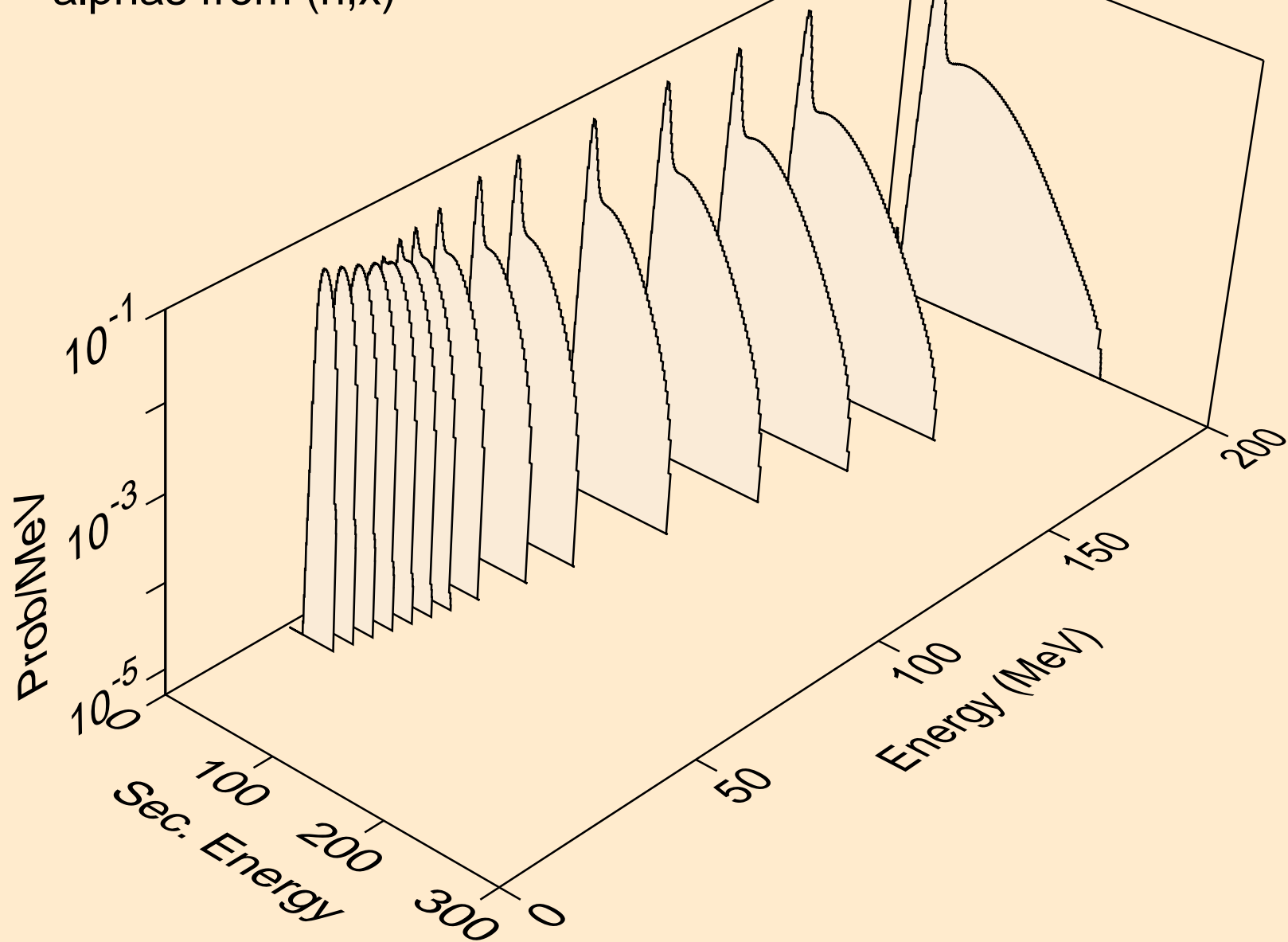
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he3s from (n,n*)he3



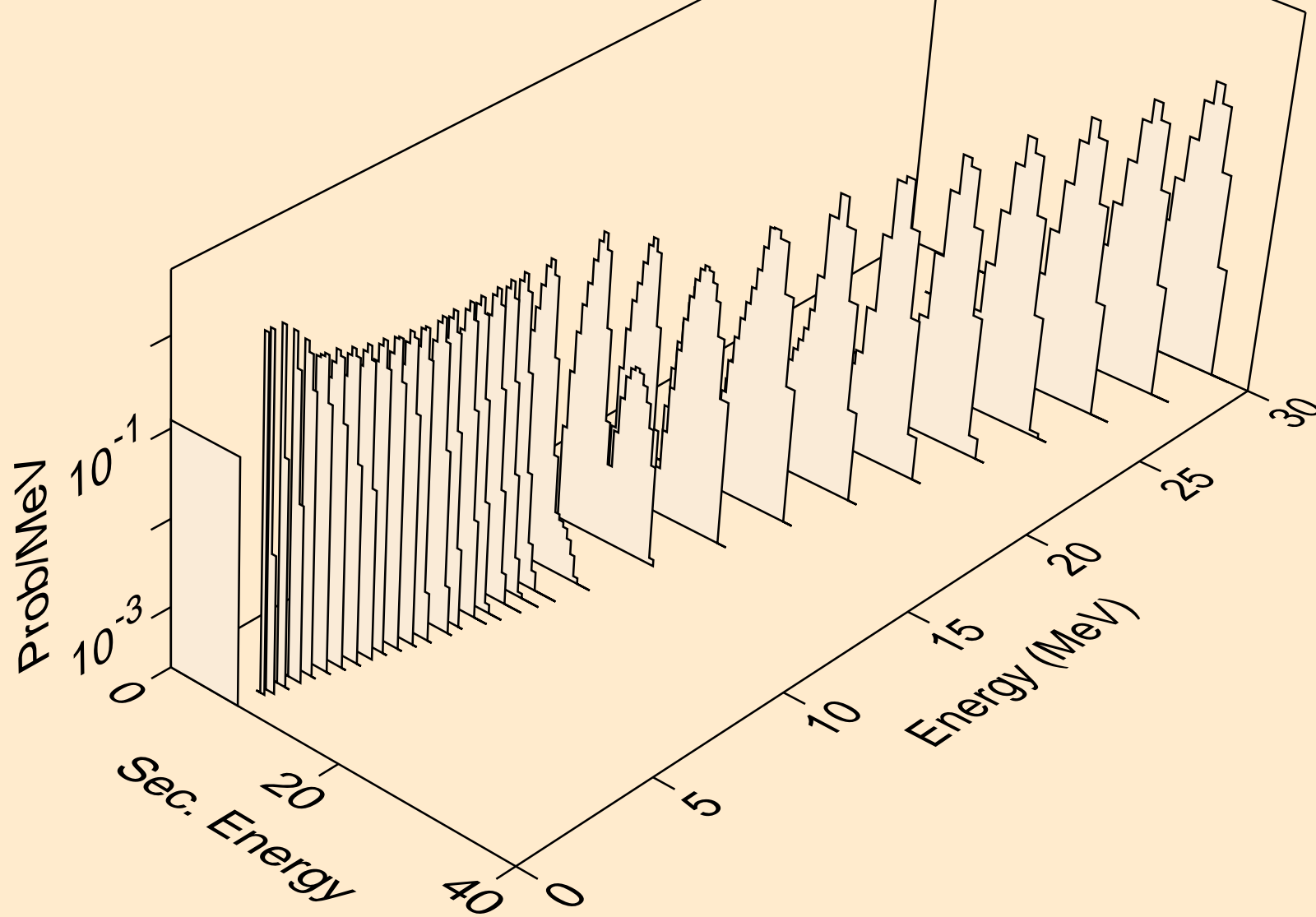
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he3s from (n,he3)



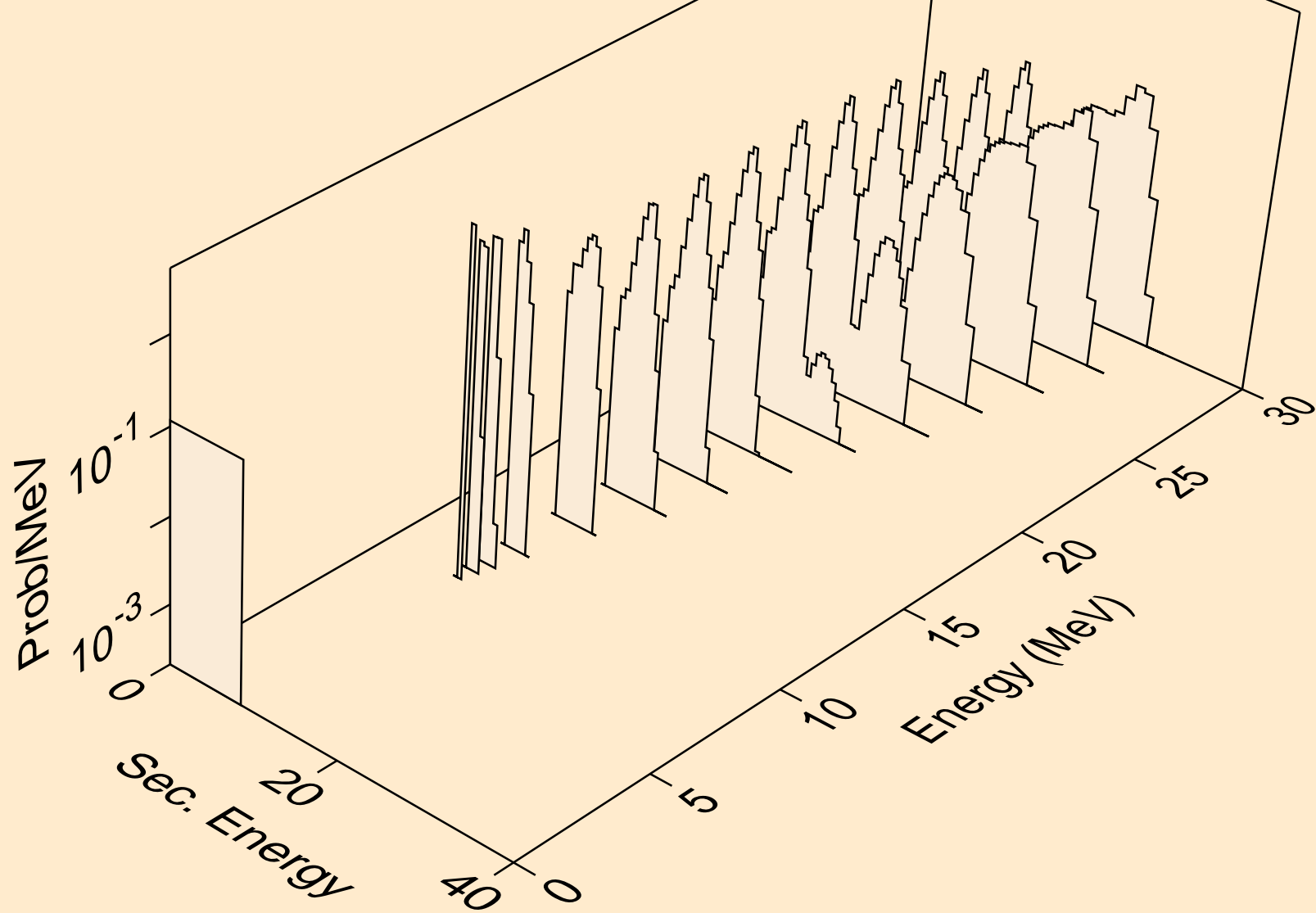
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



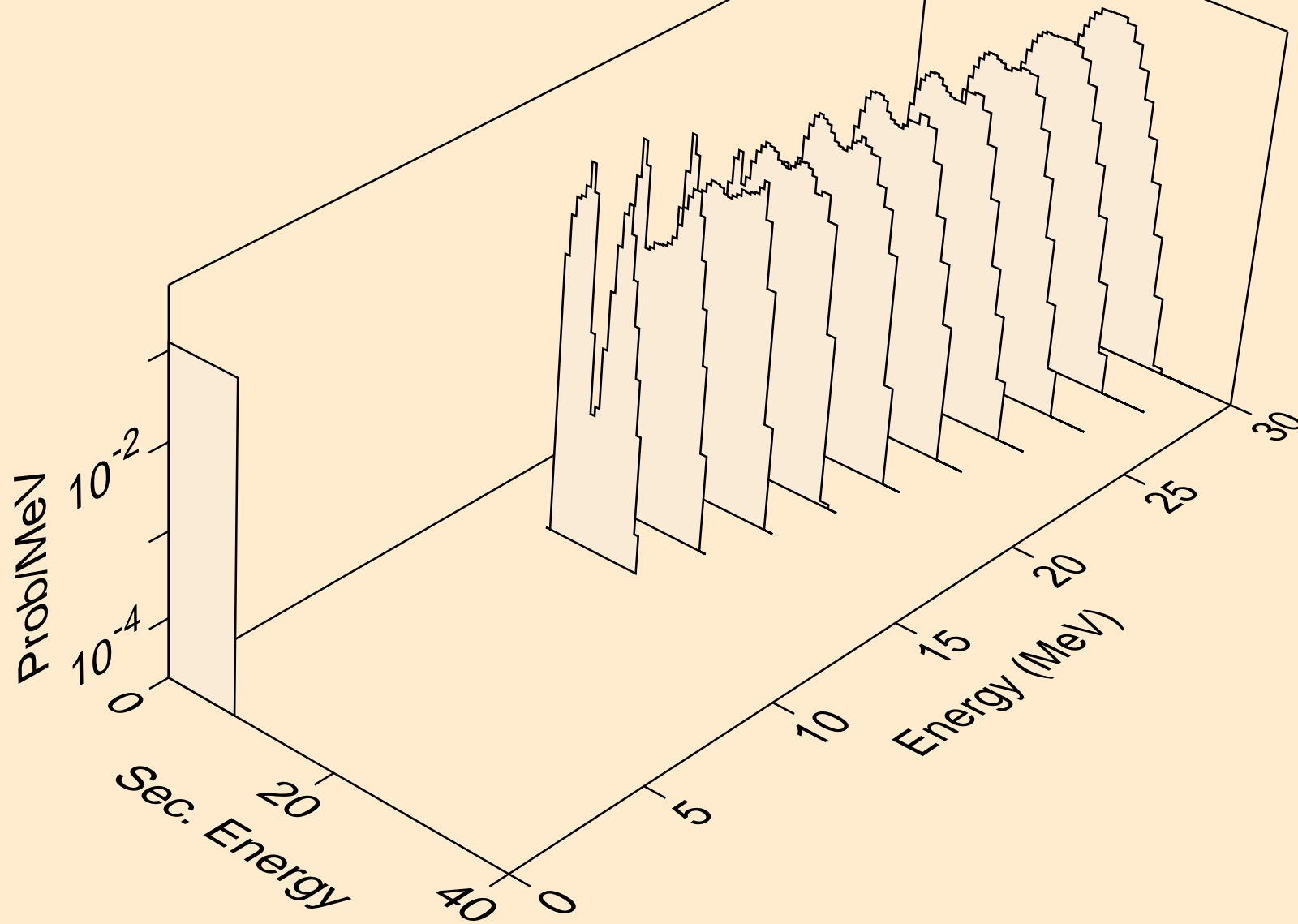
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



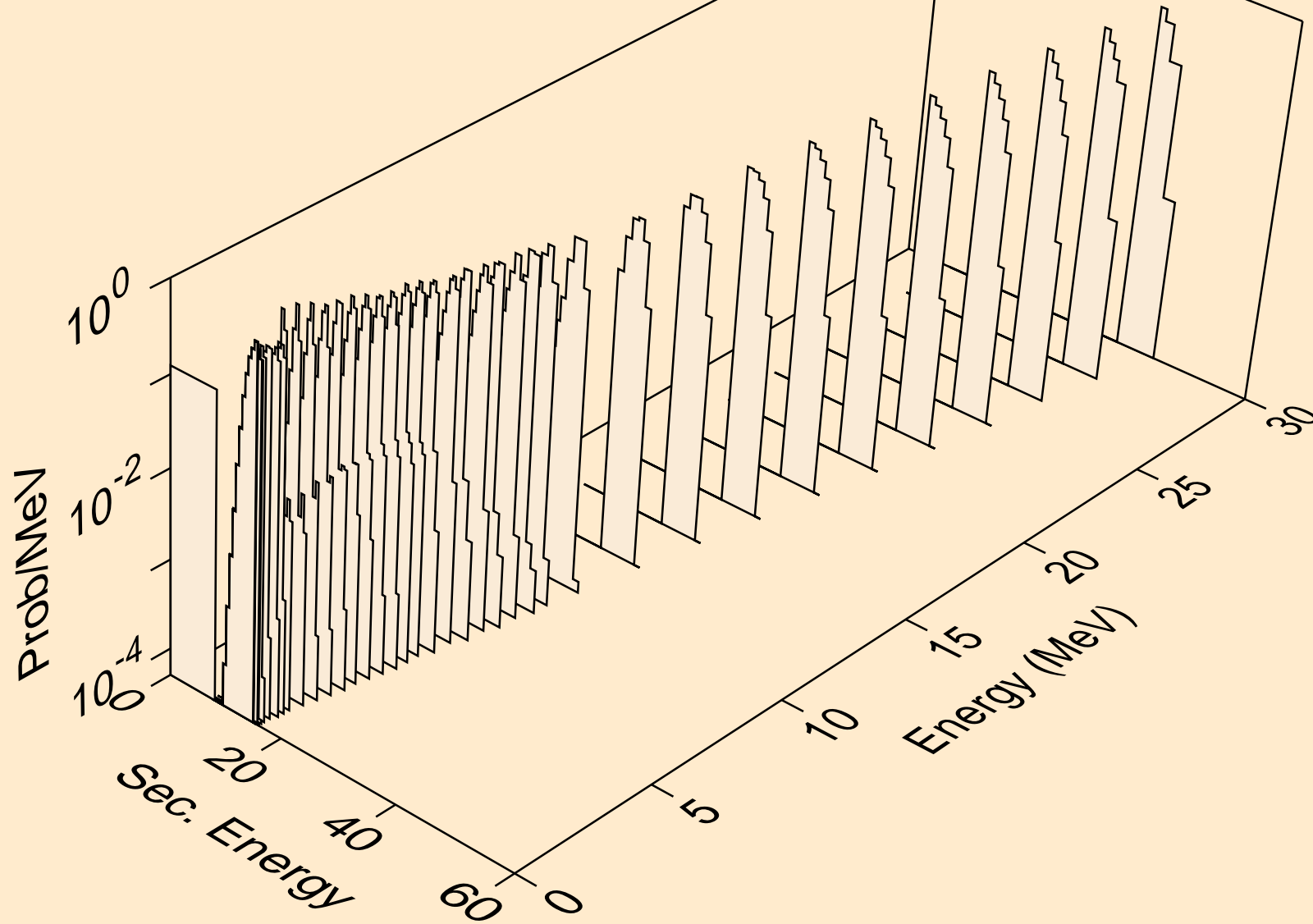
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alphas from (n,2n)a



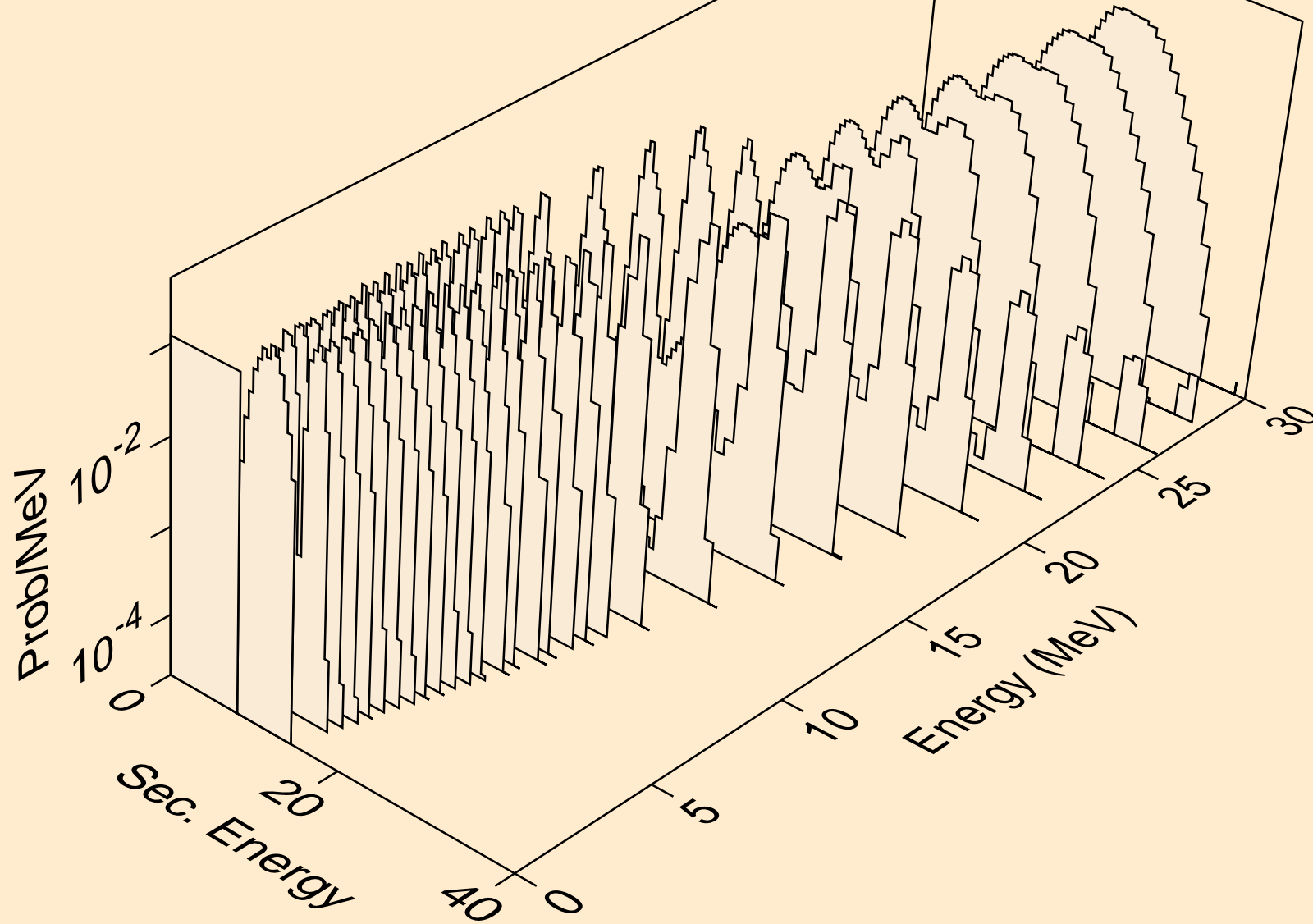
CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



CF239 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)

