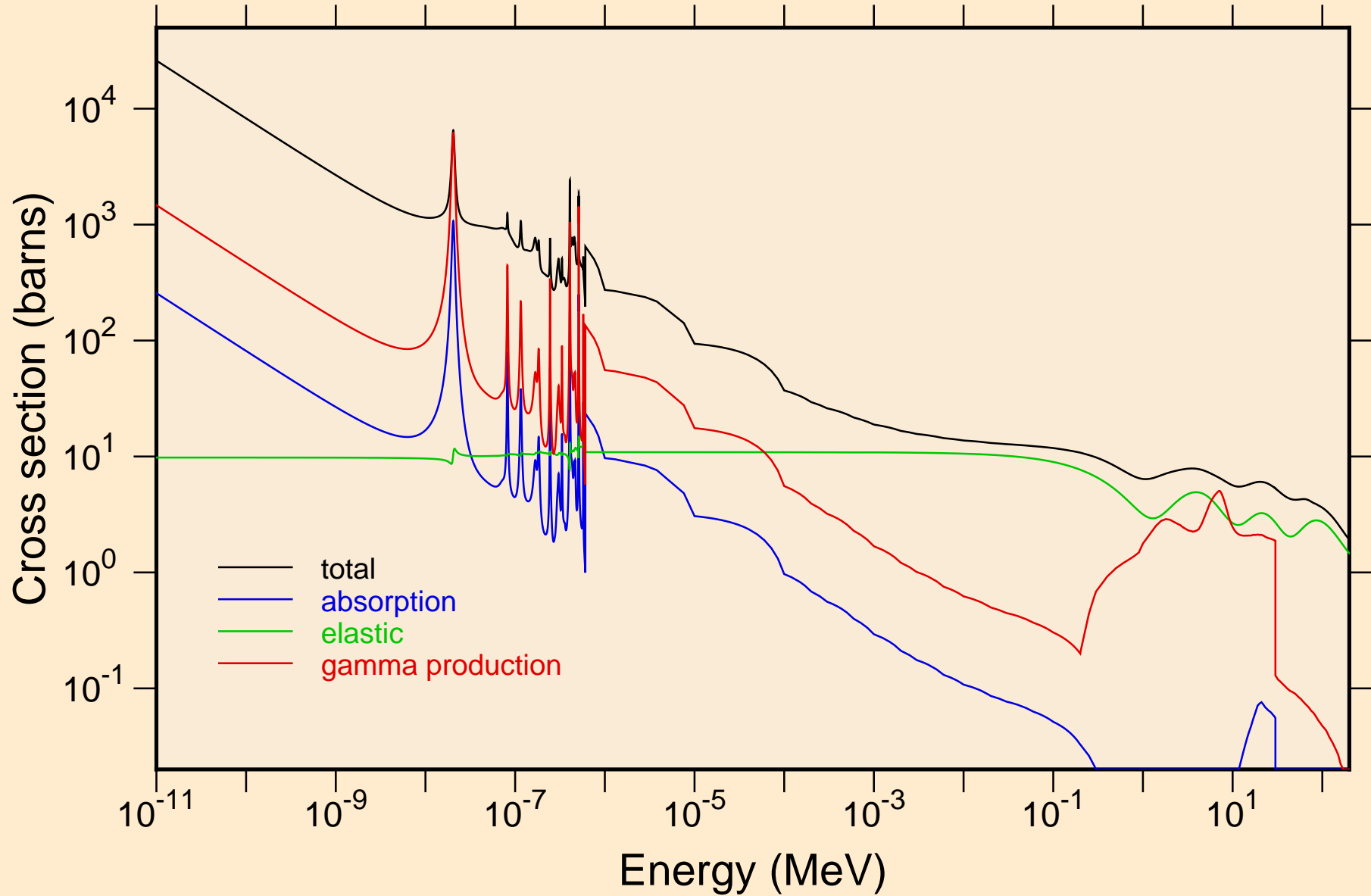
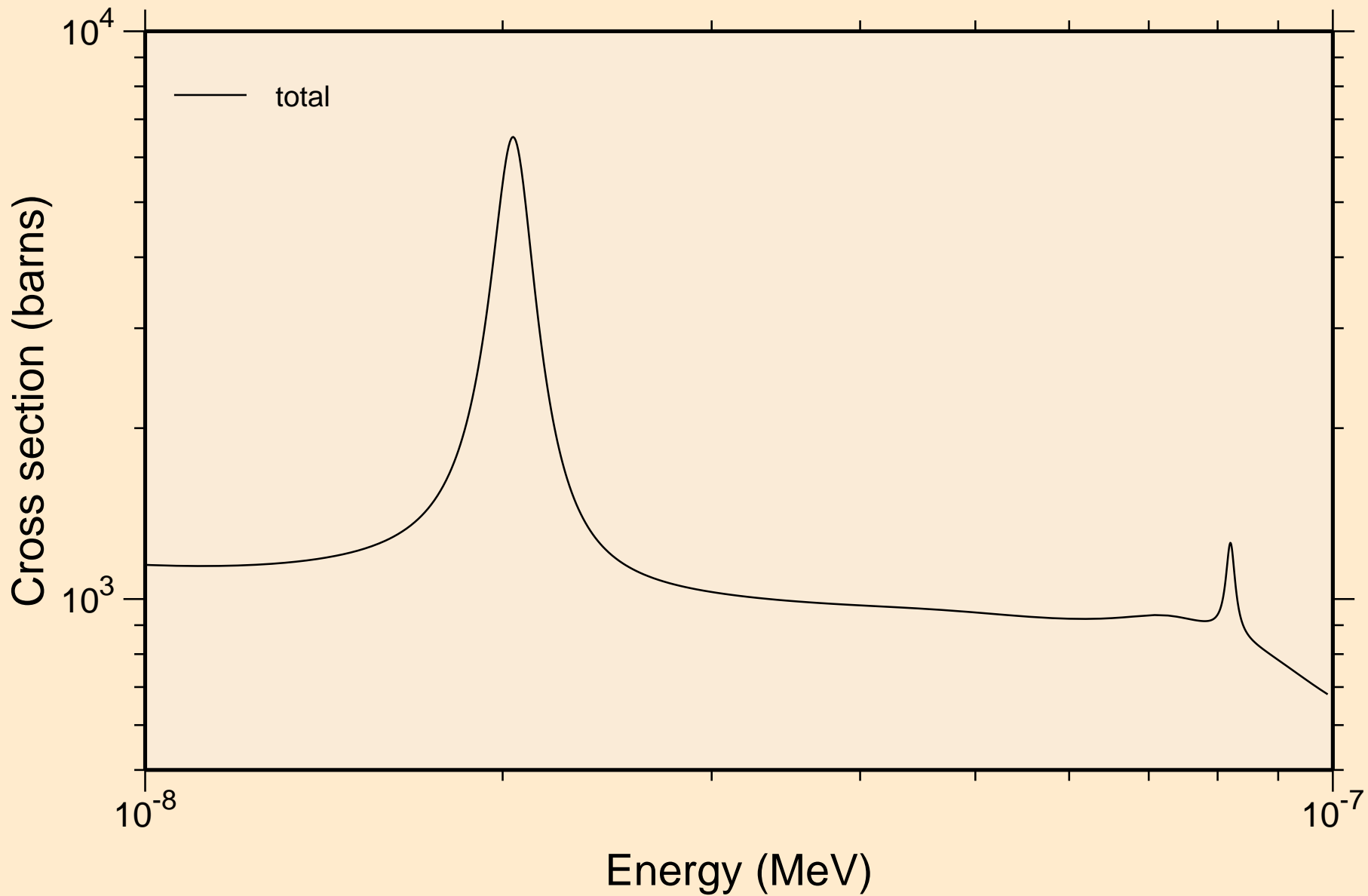


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

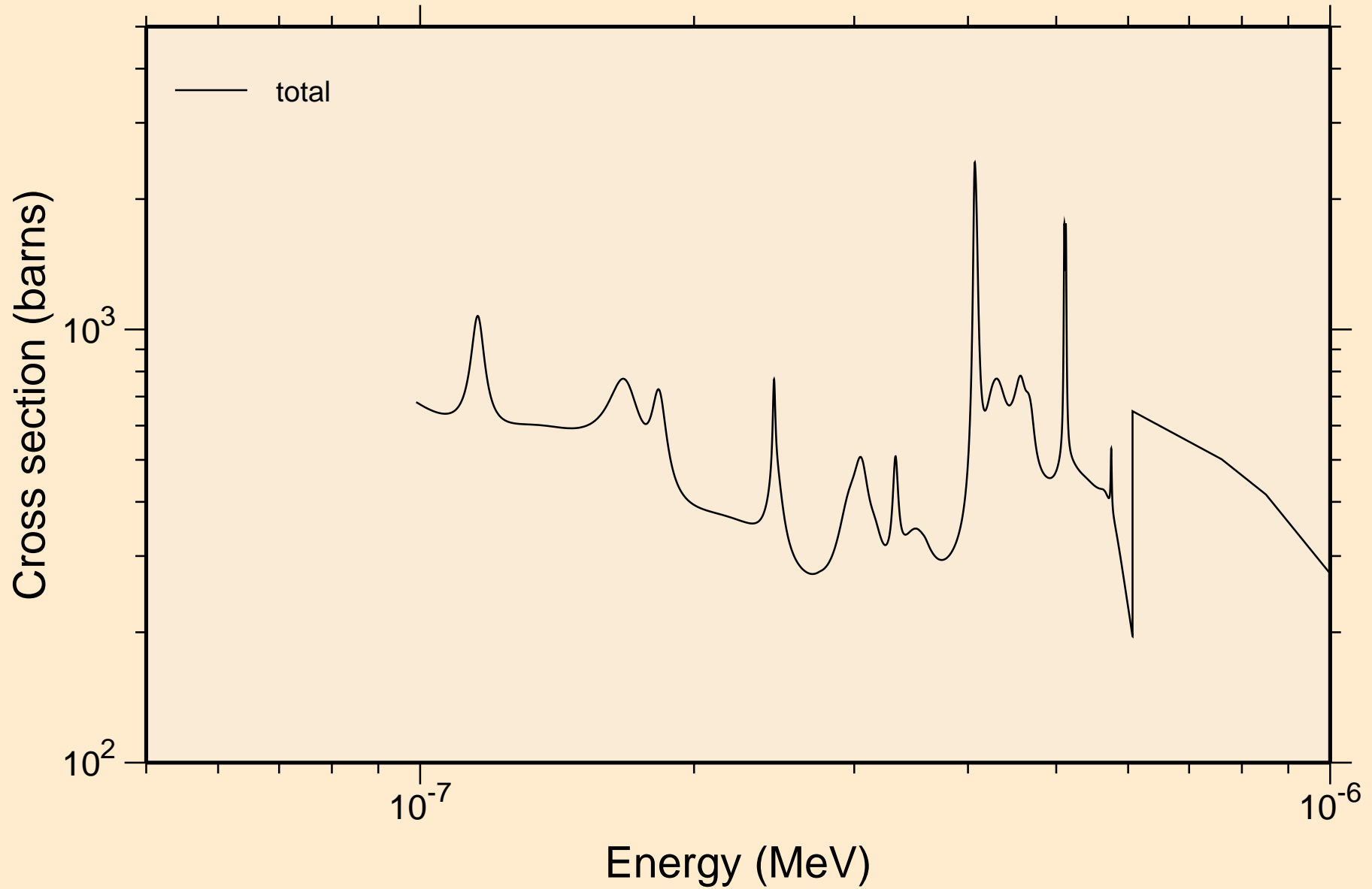
Principal cross sections



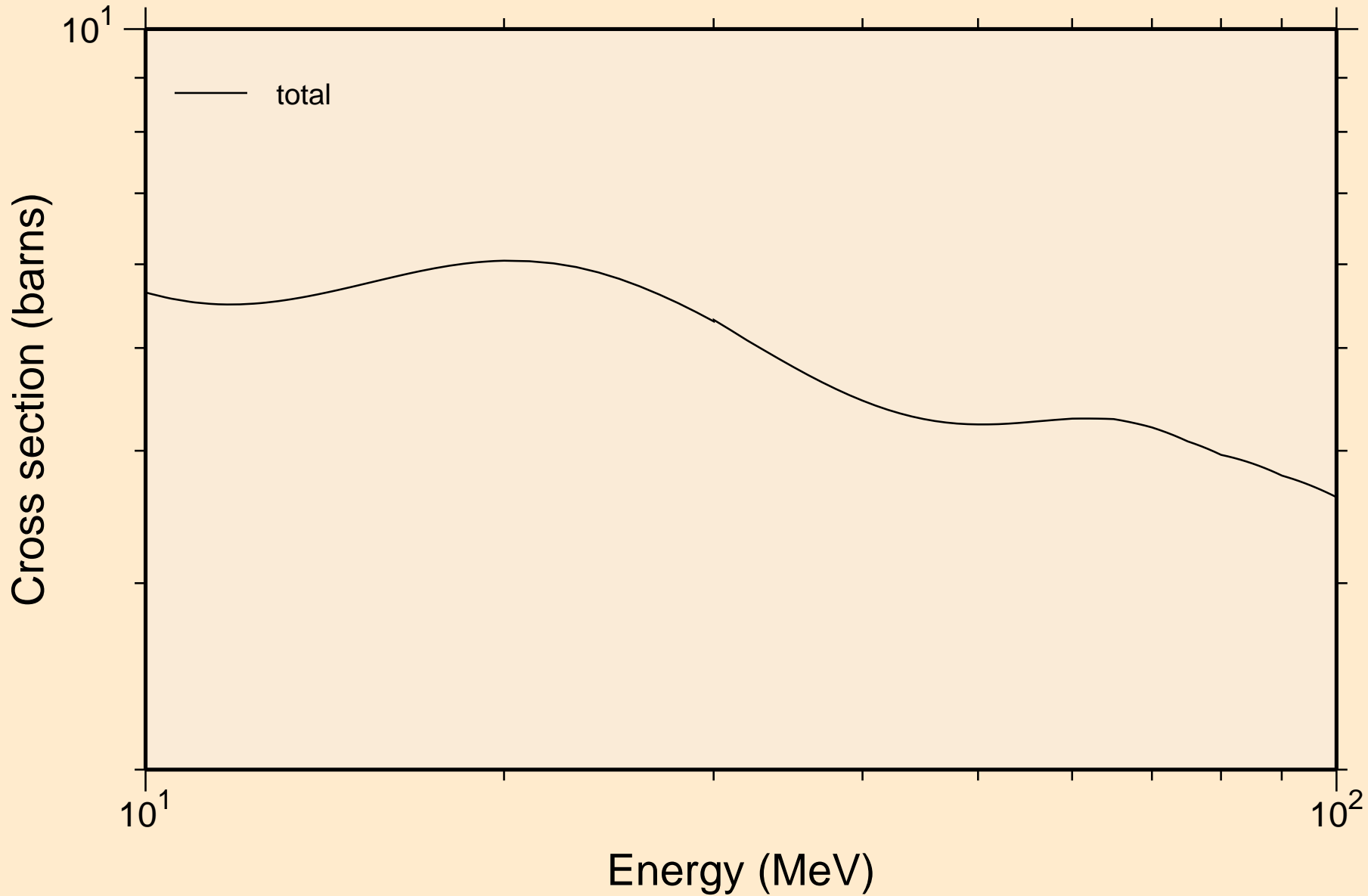
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



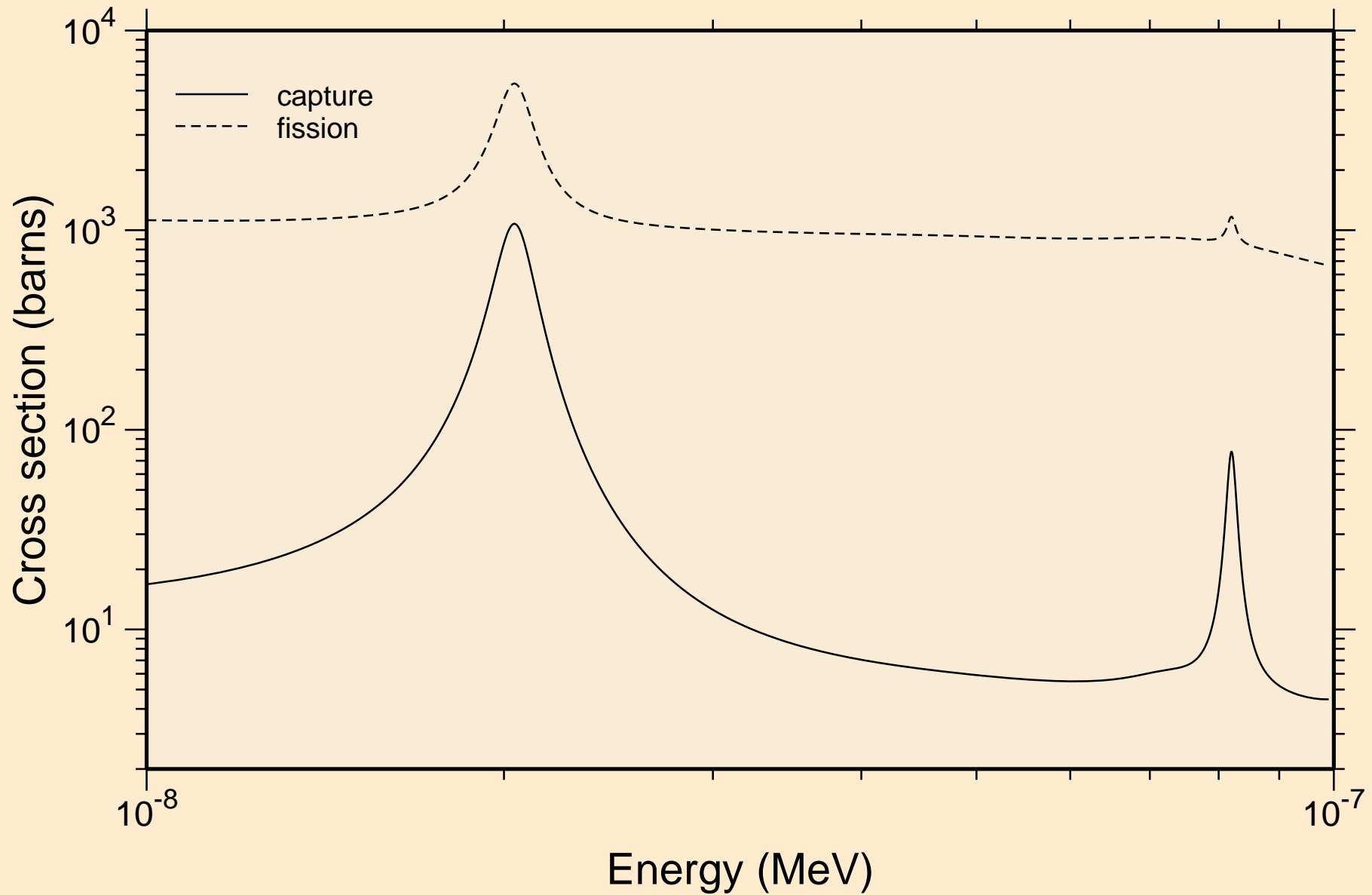
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



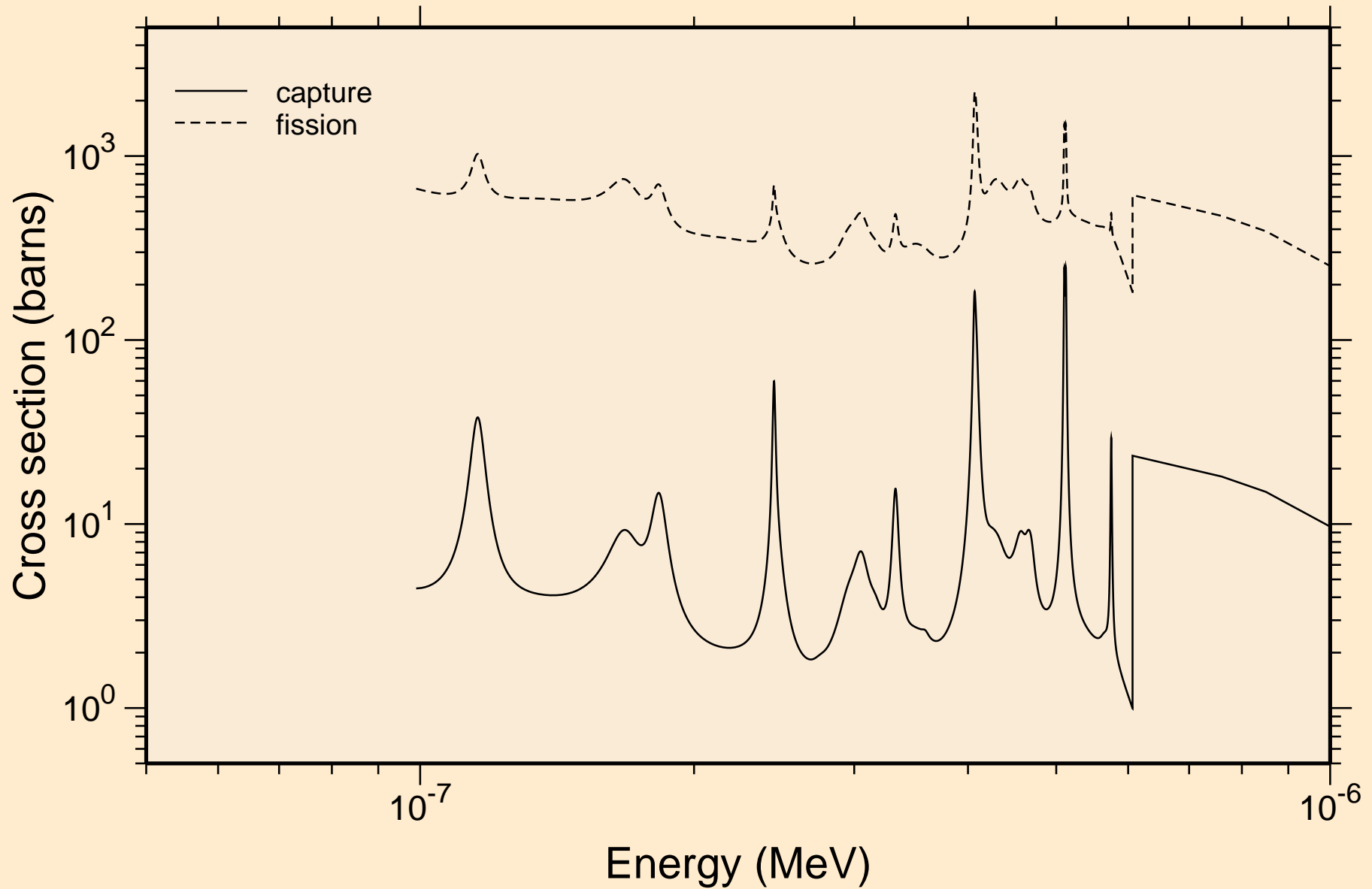
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



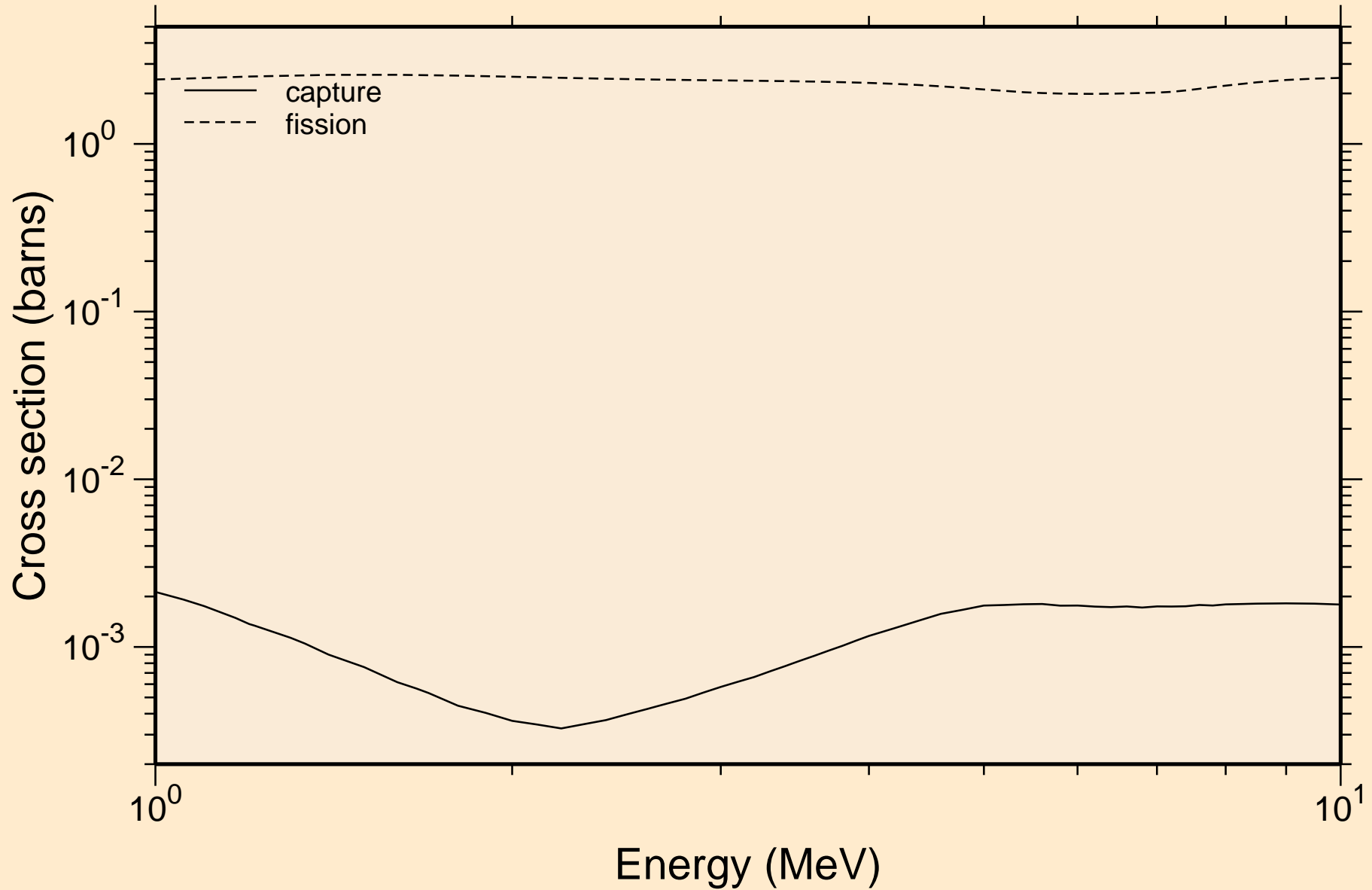
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

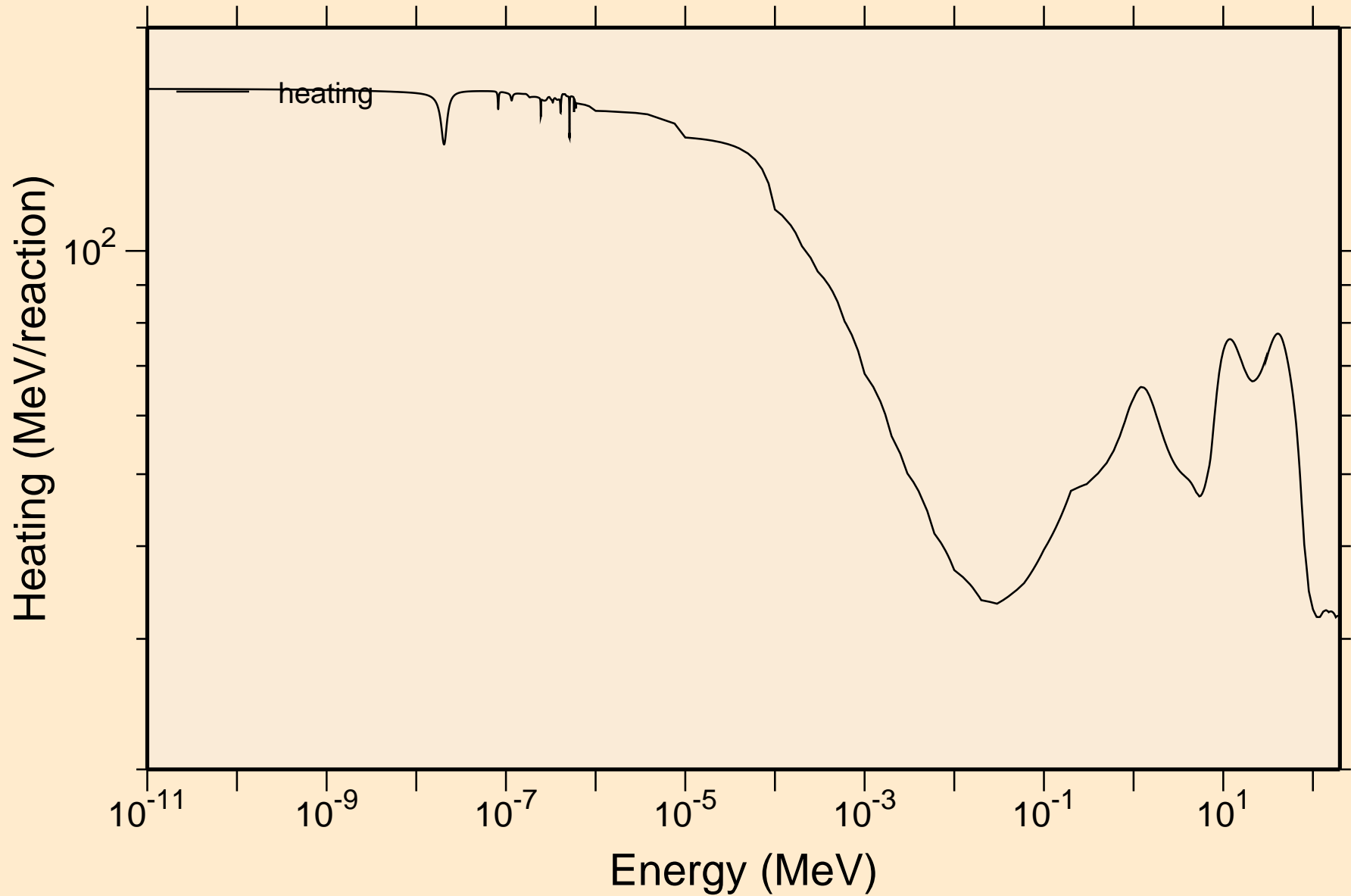


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



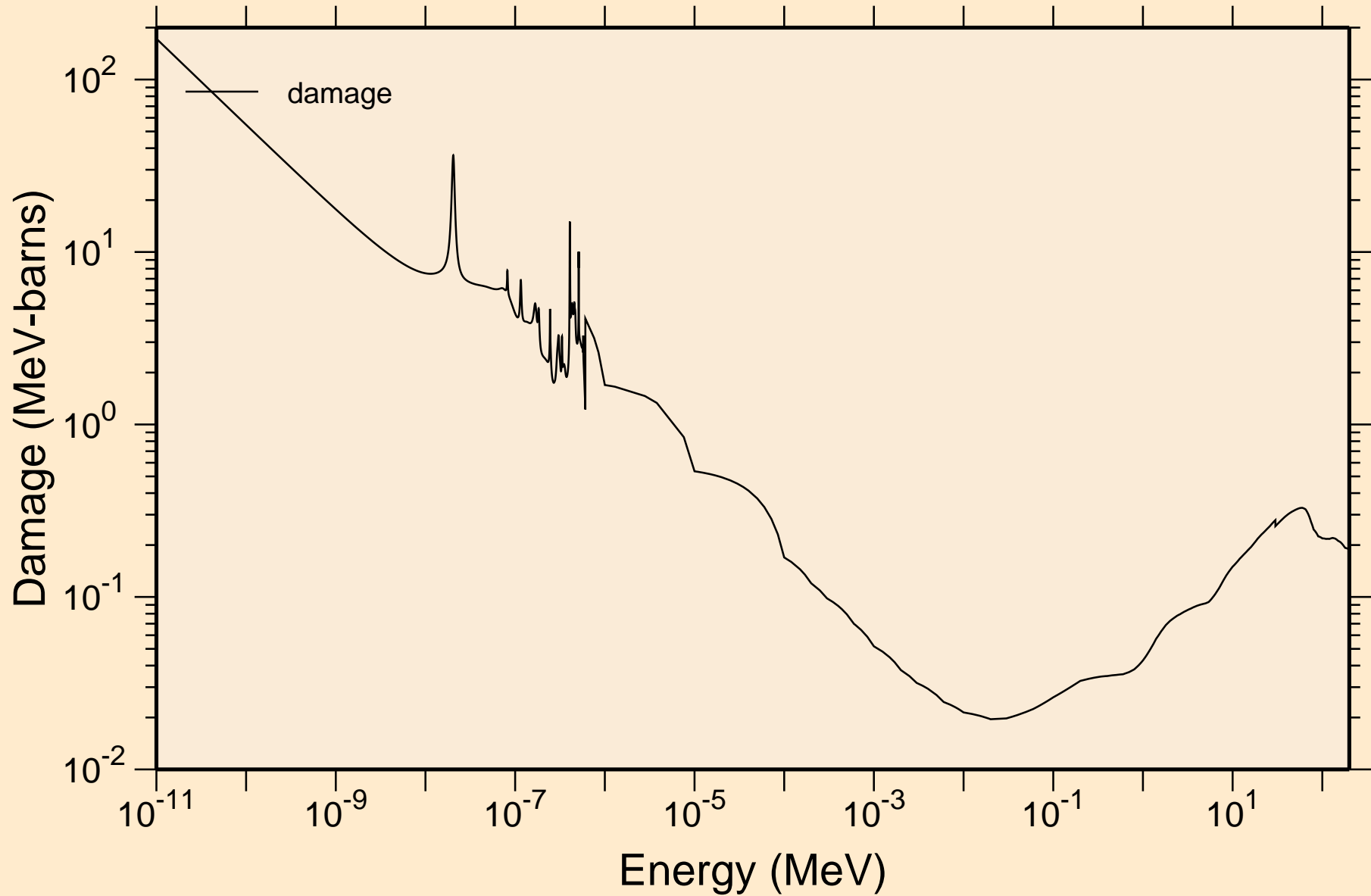
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



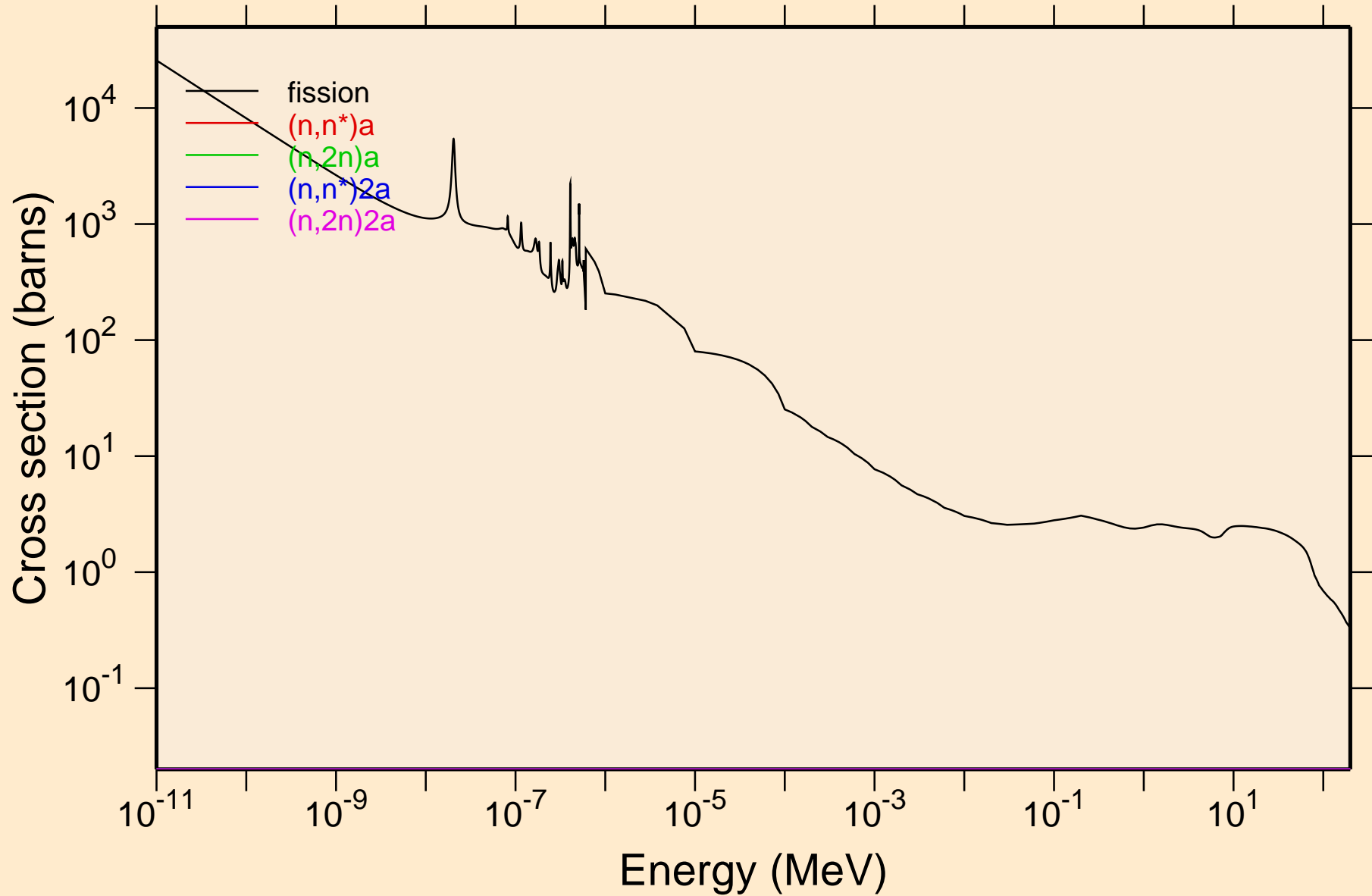
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



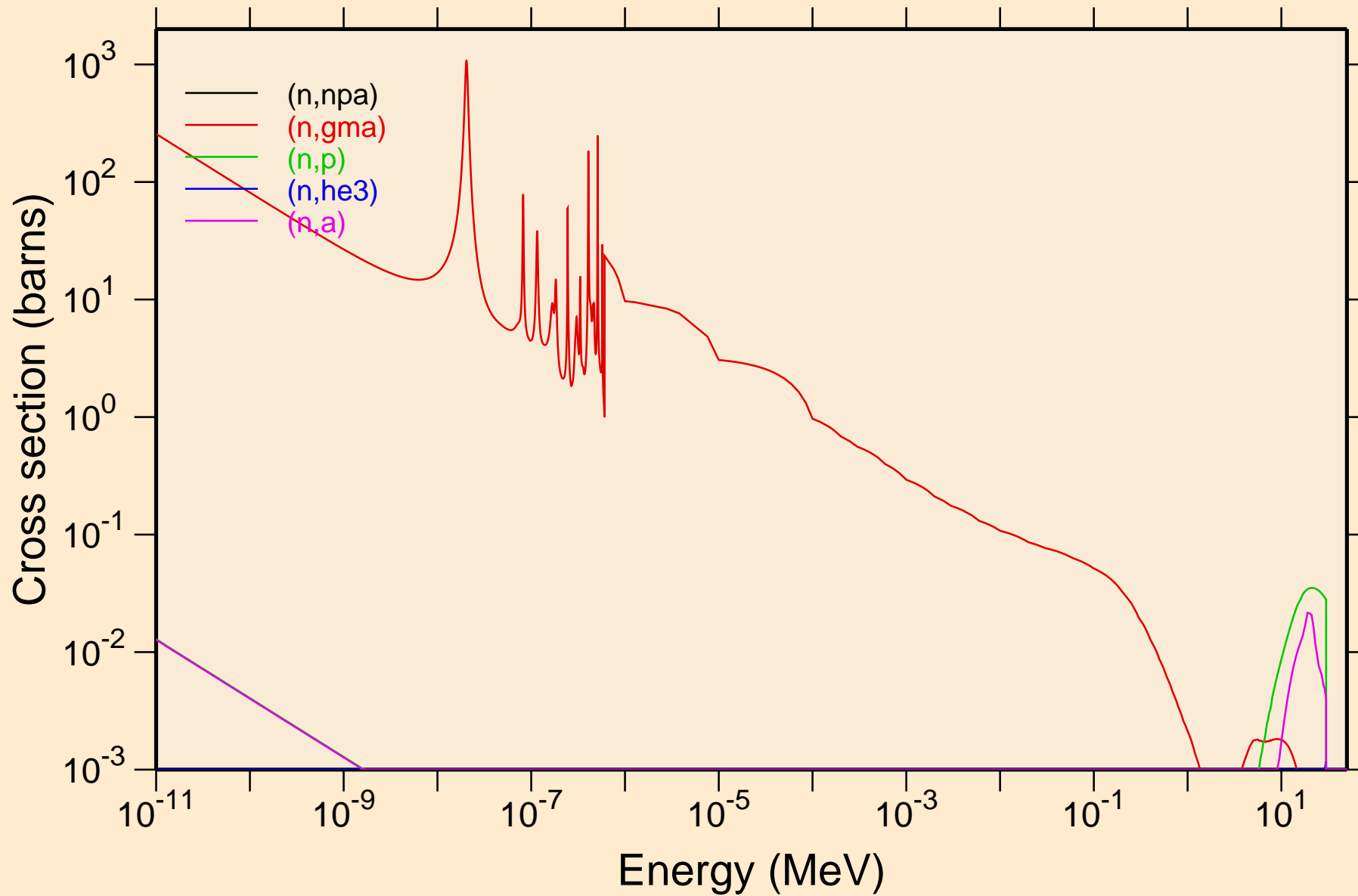
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

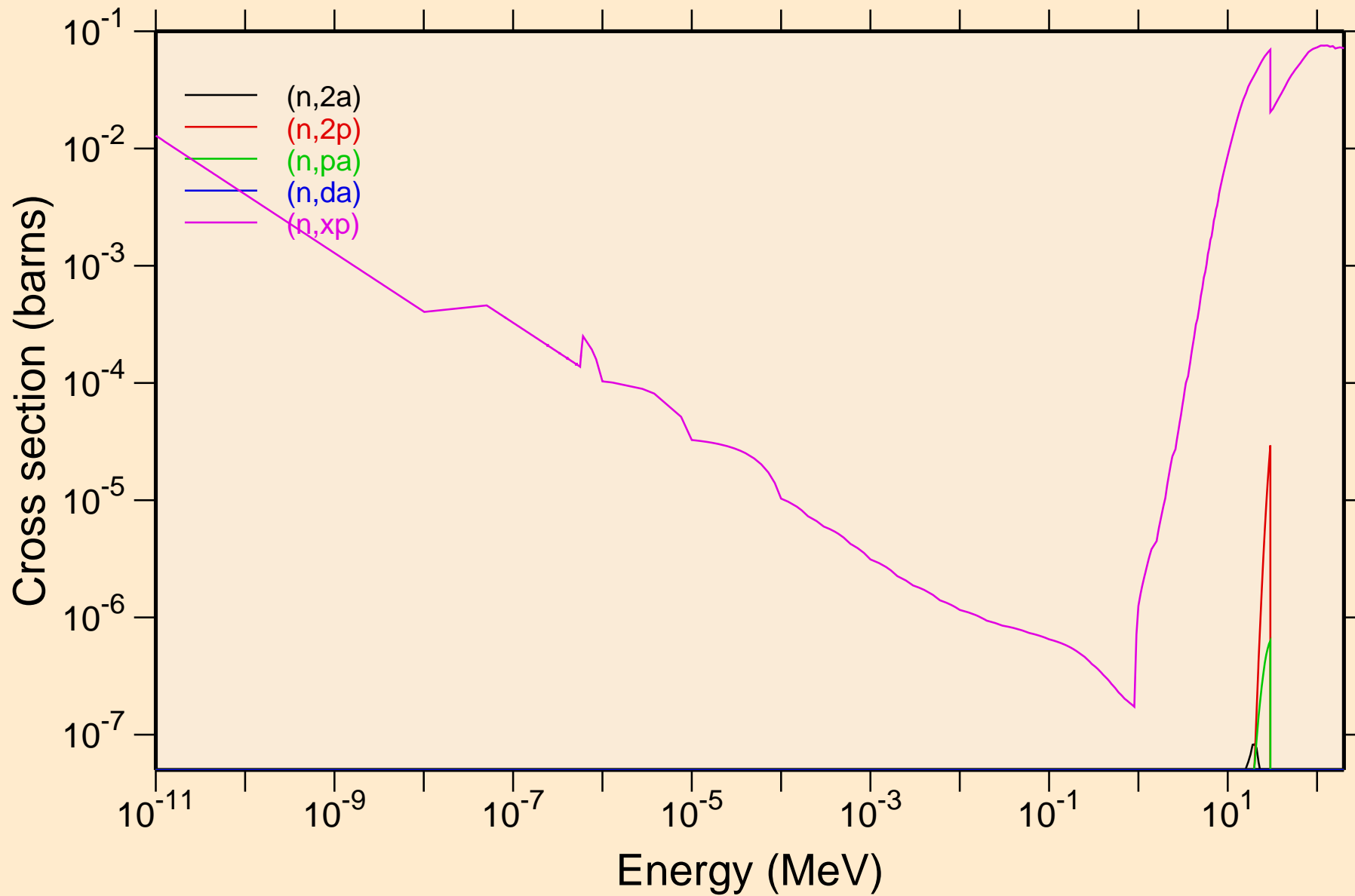


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

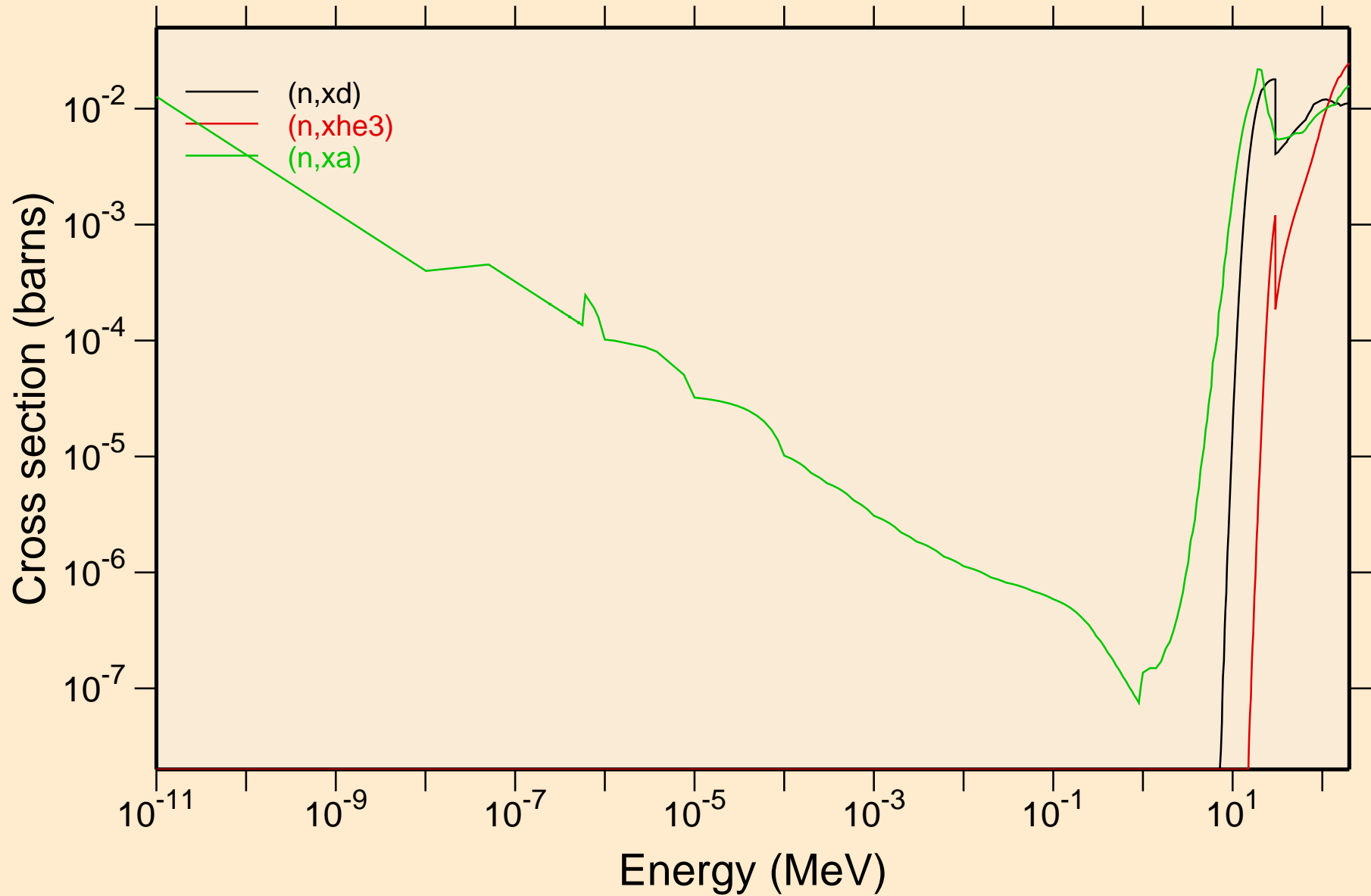
Non-threshold reactions



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

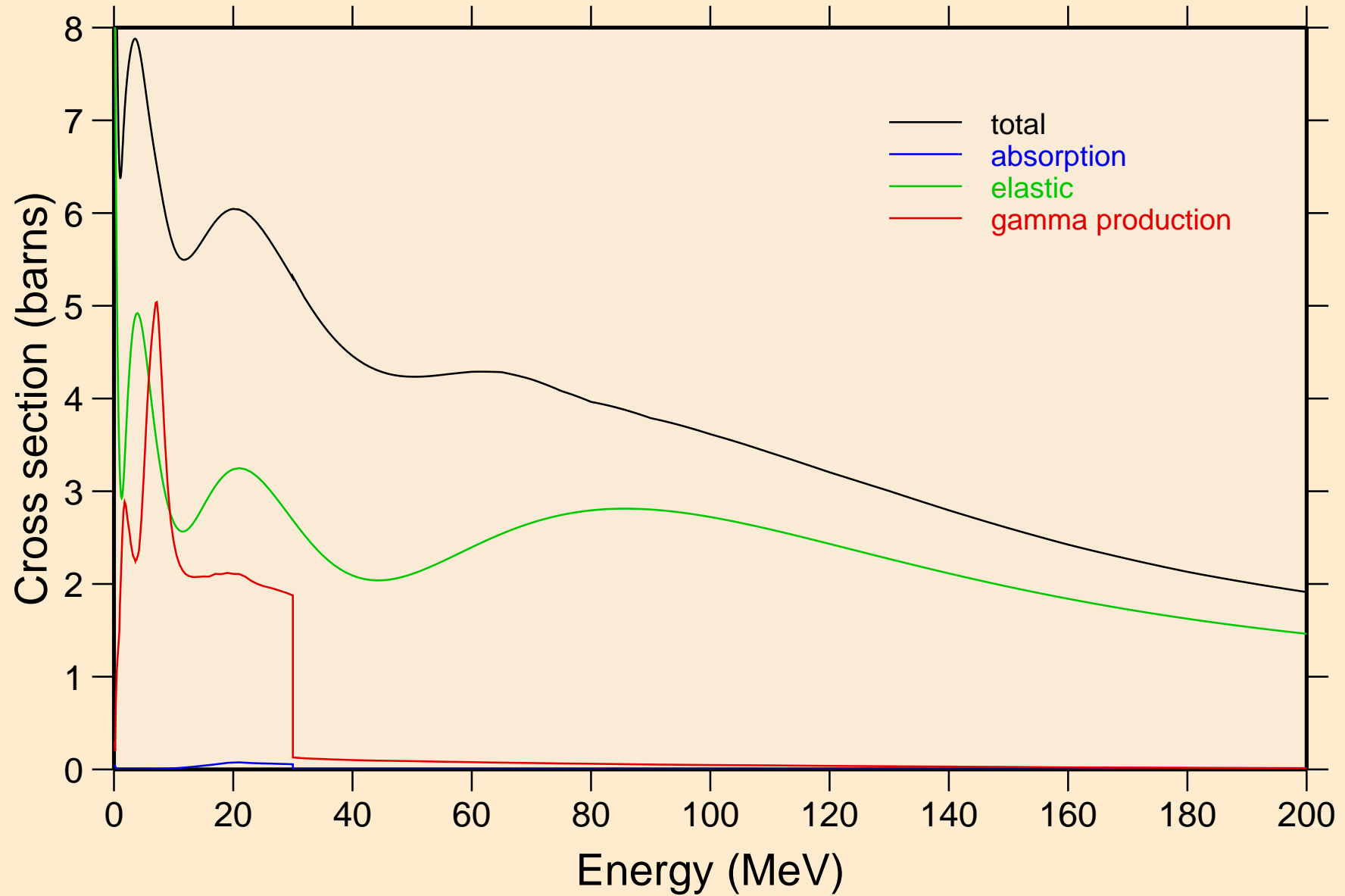


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



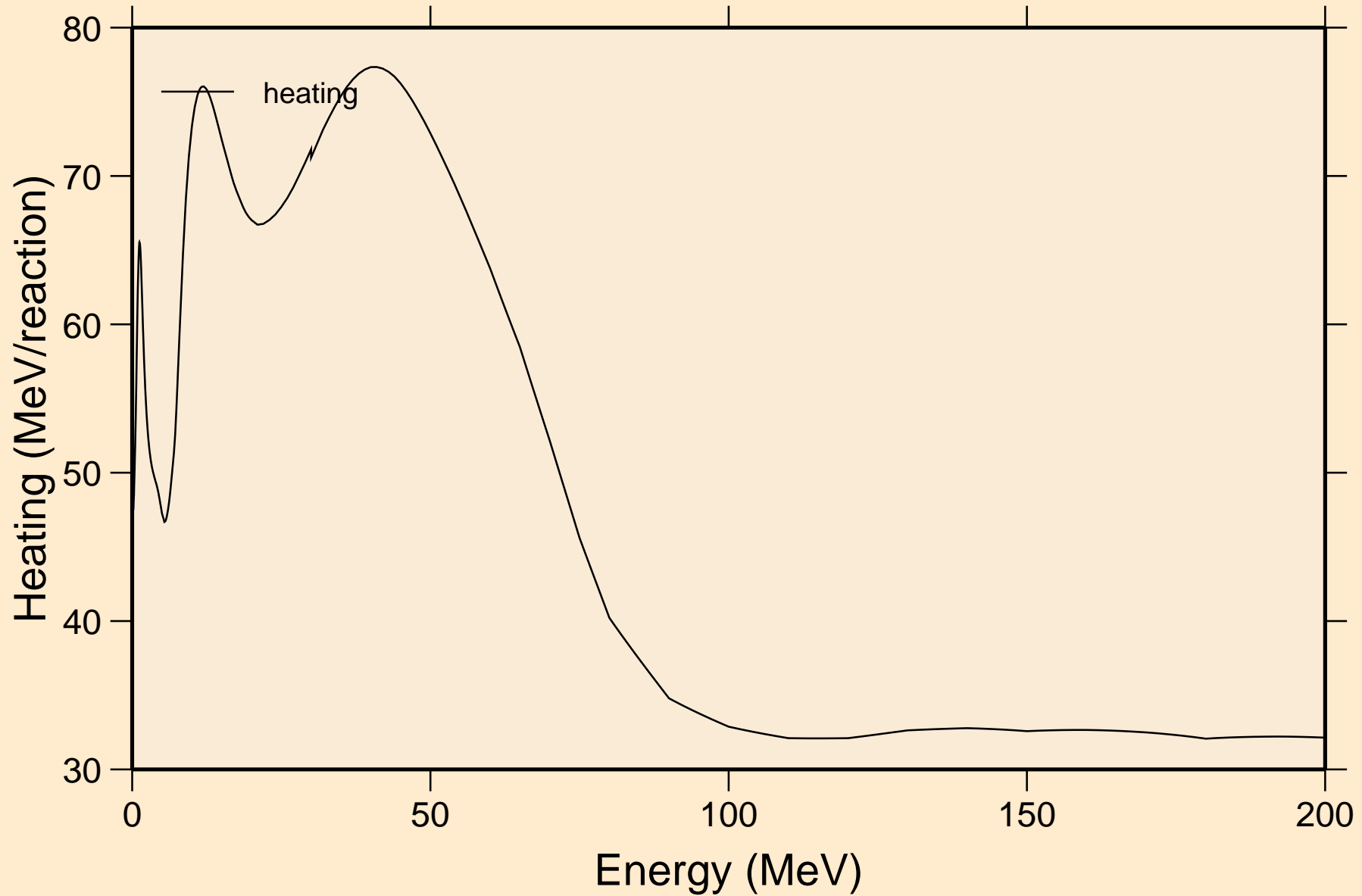
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

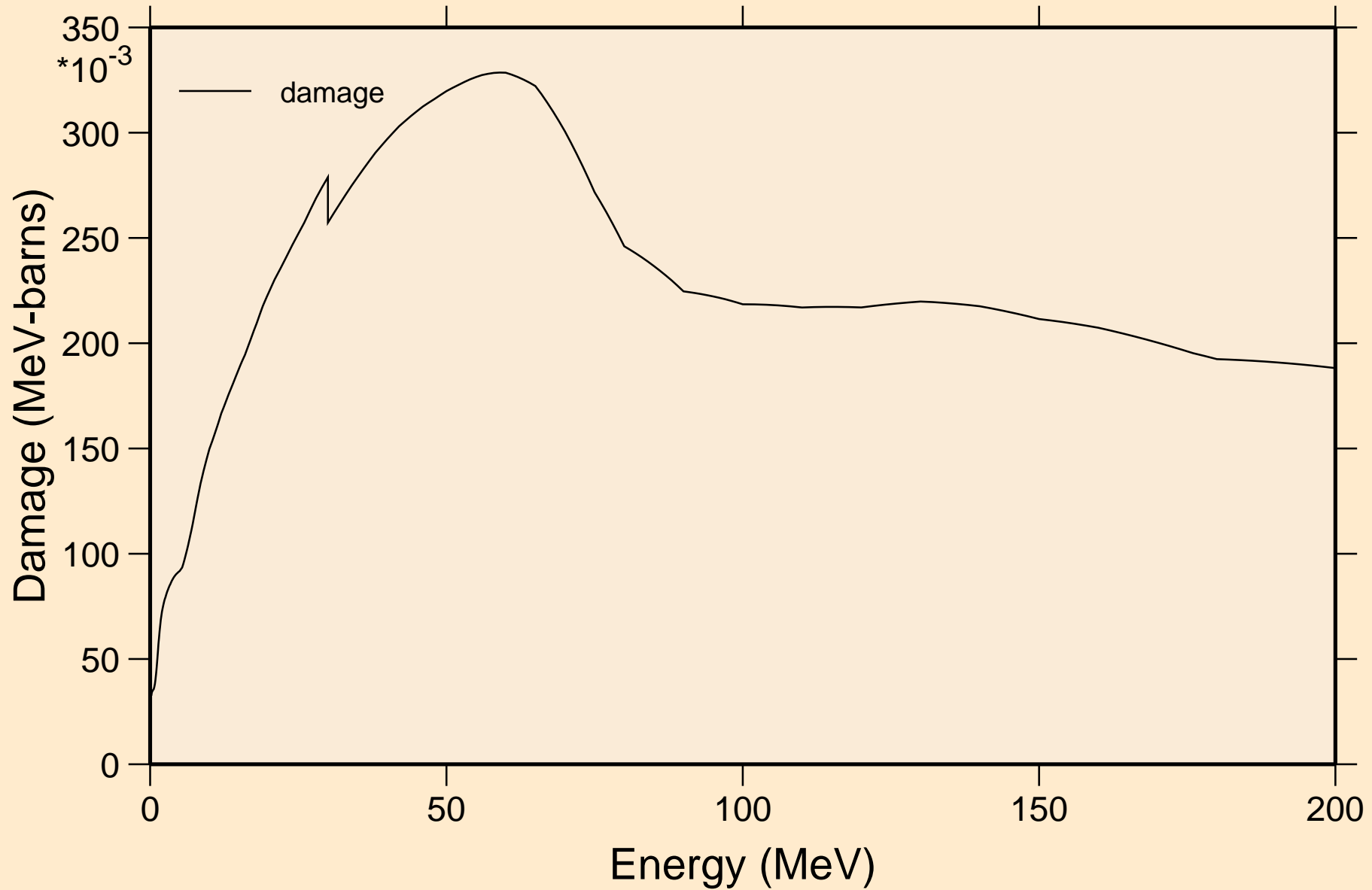


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

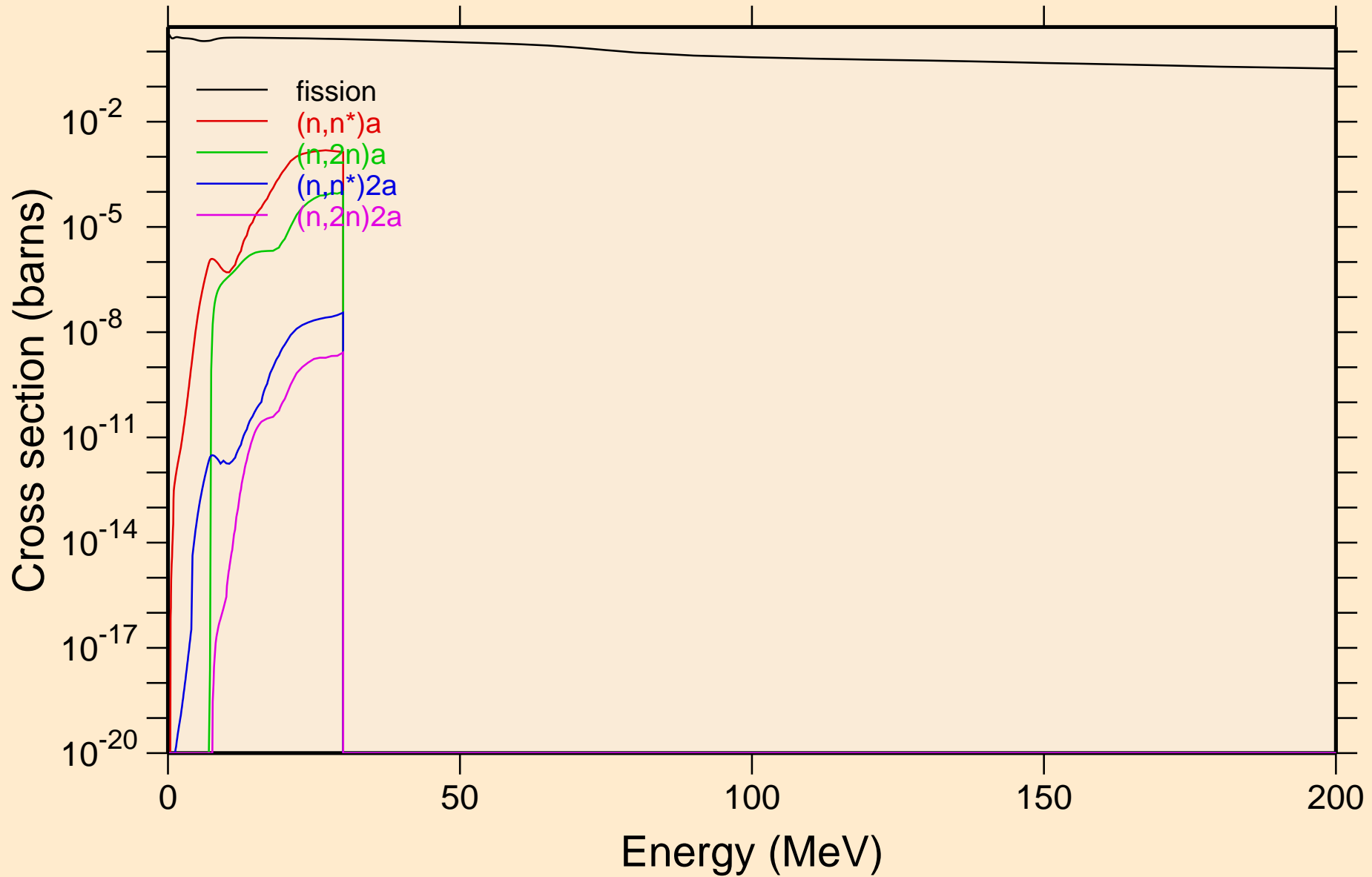


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



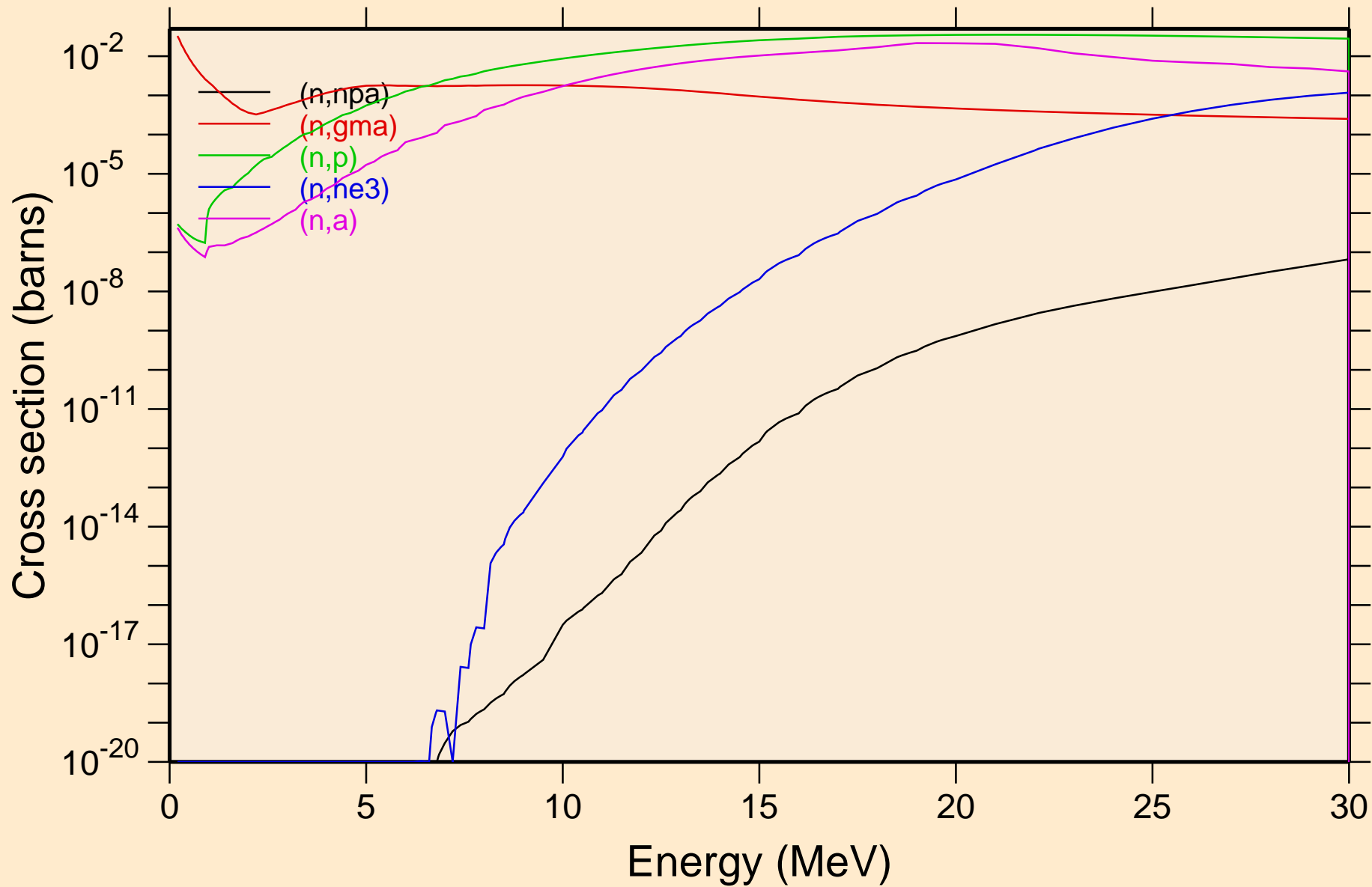
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Non-threshold reactions



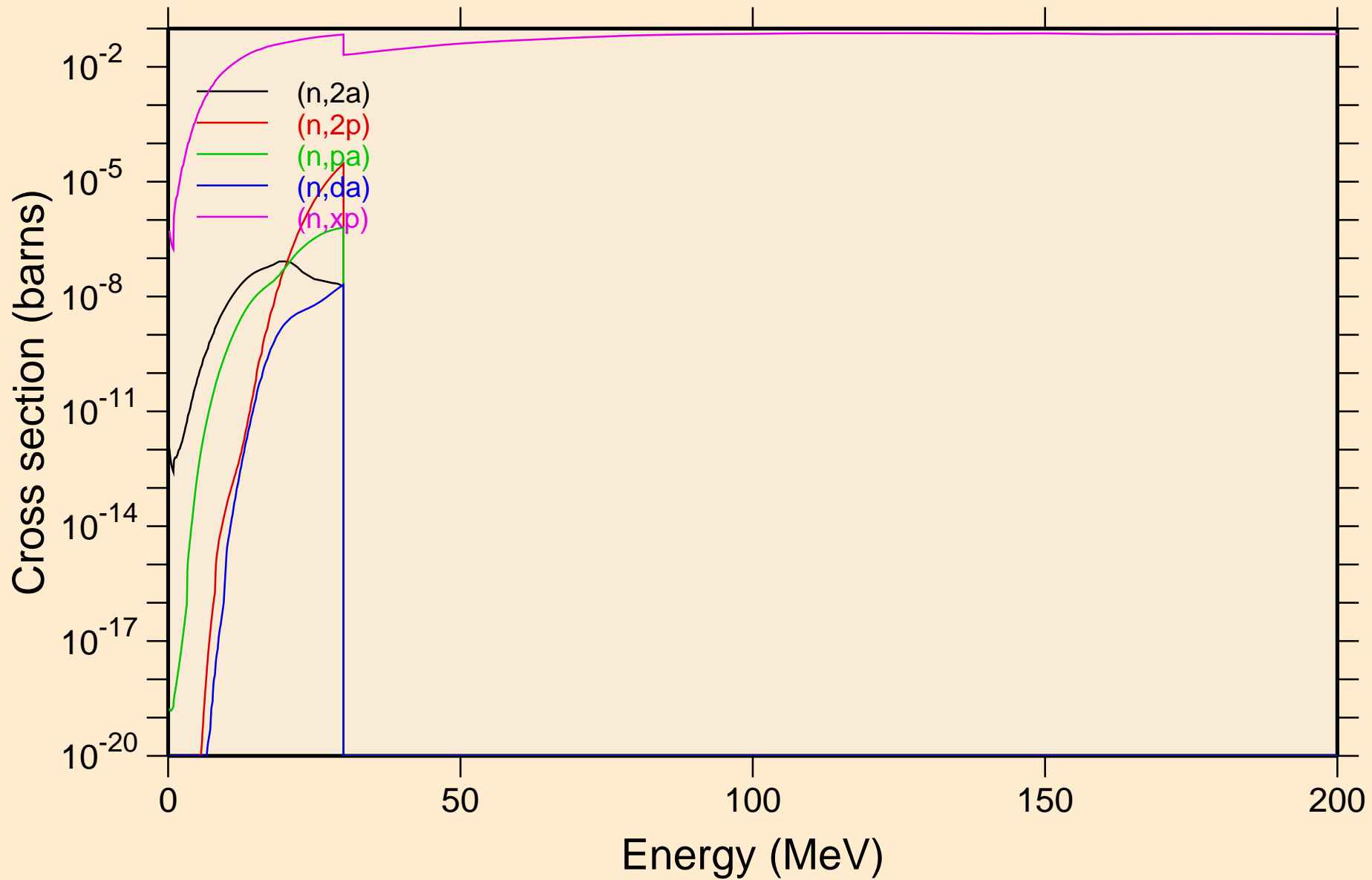
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Non-threshold reactions

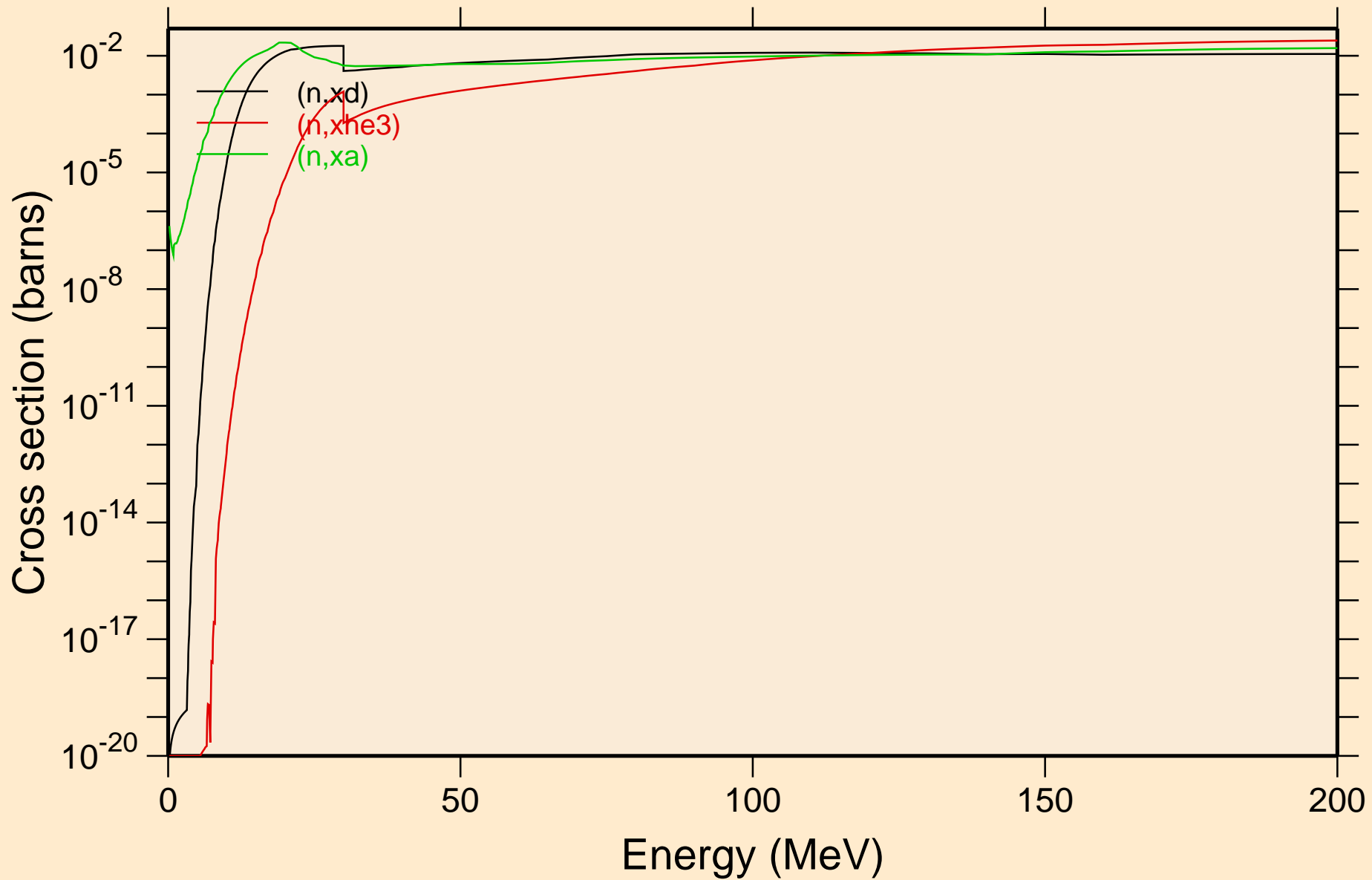


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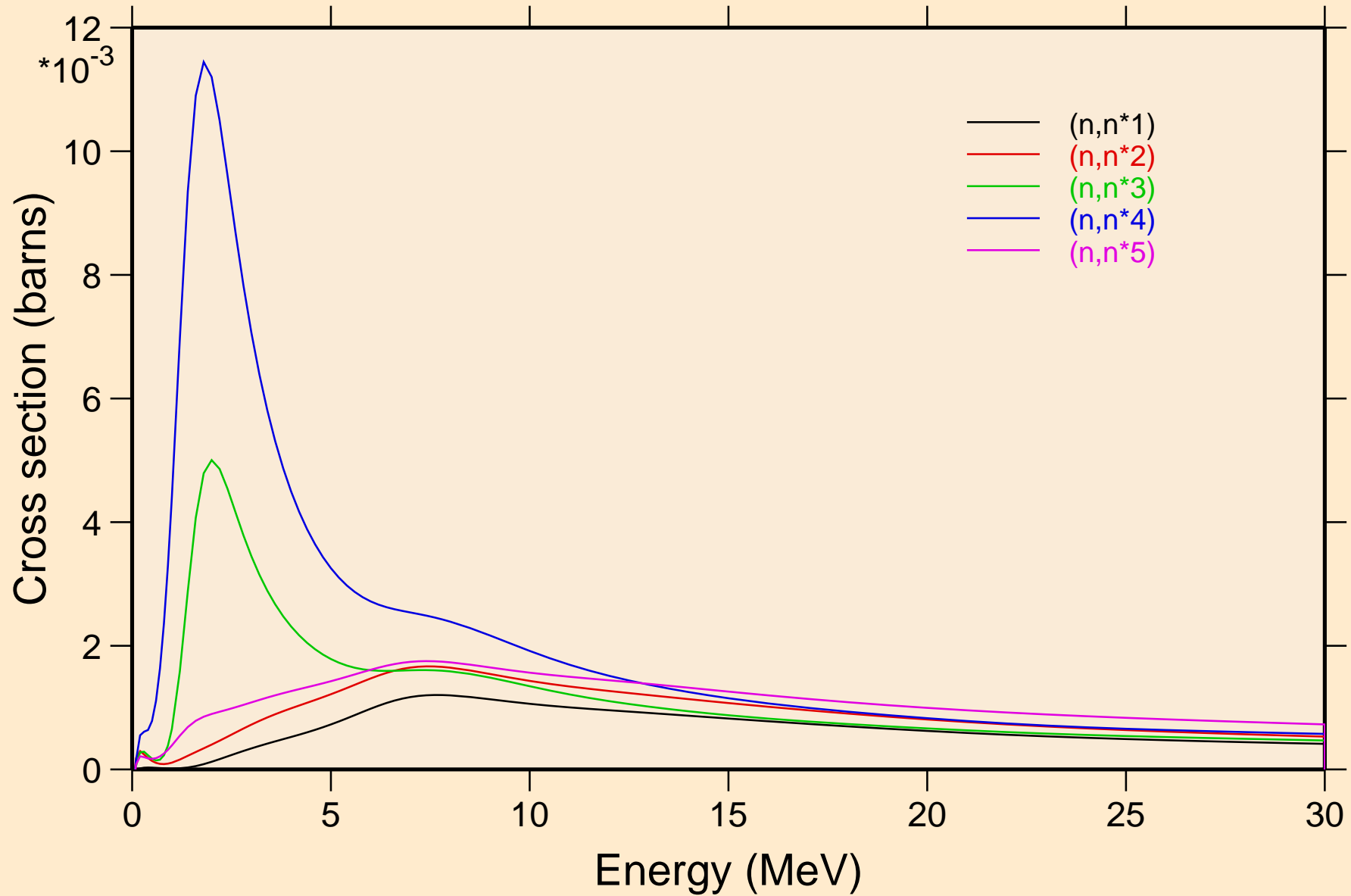
Non-threshold reactions



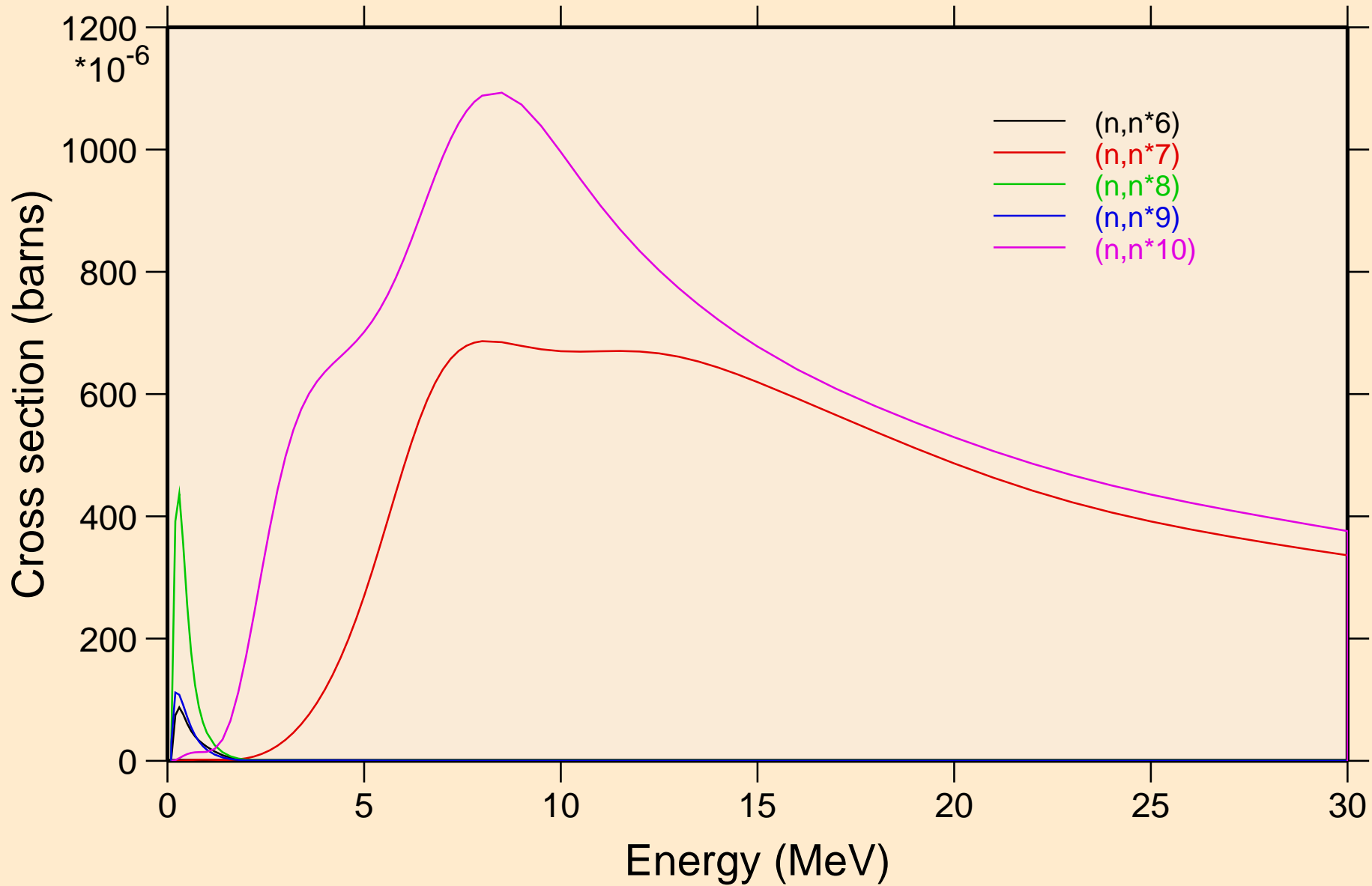
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Non-threshold reactions



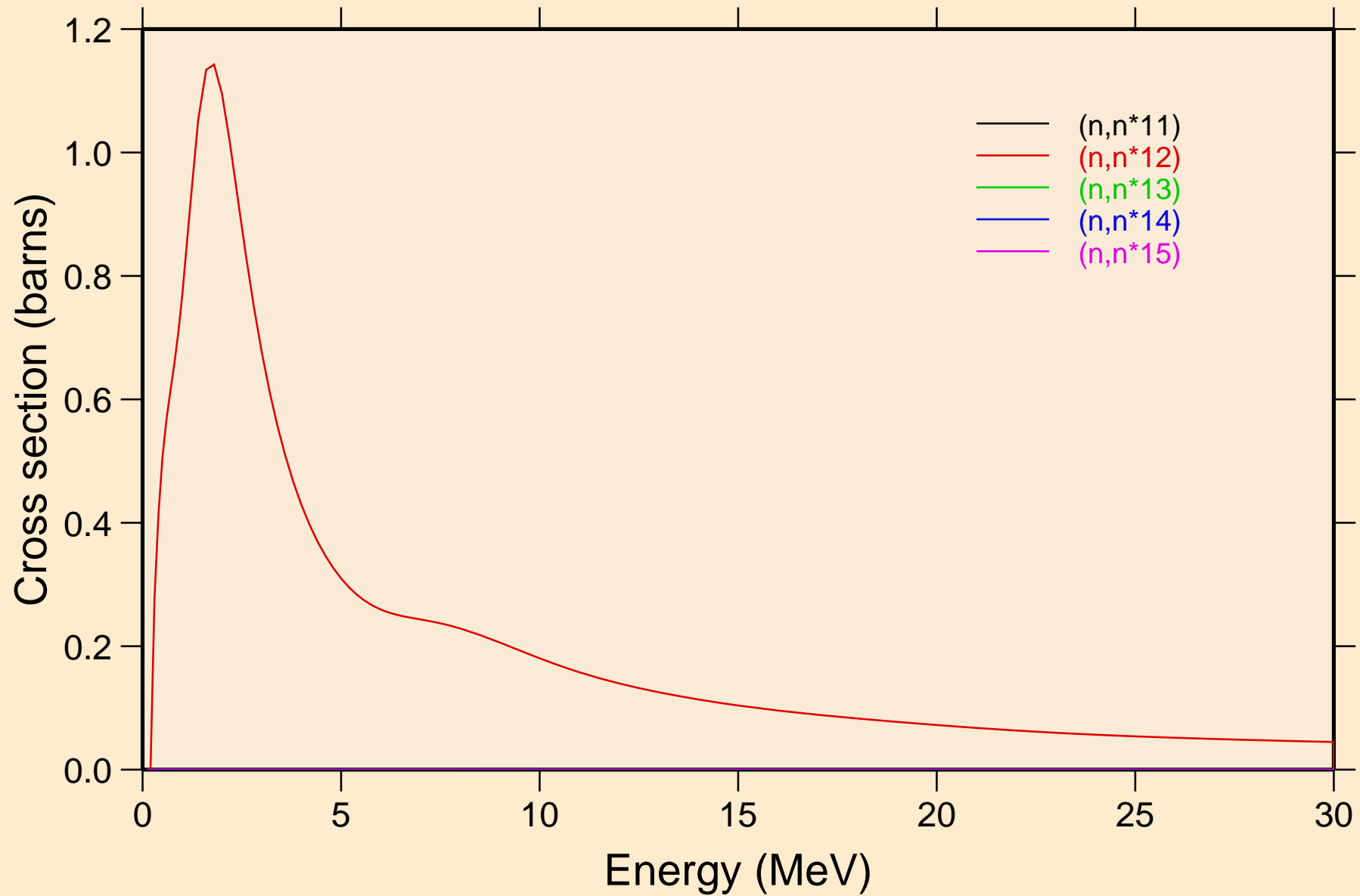
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



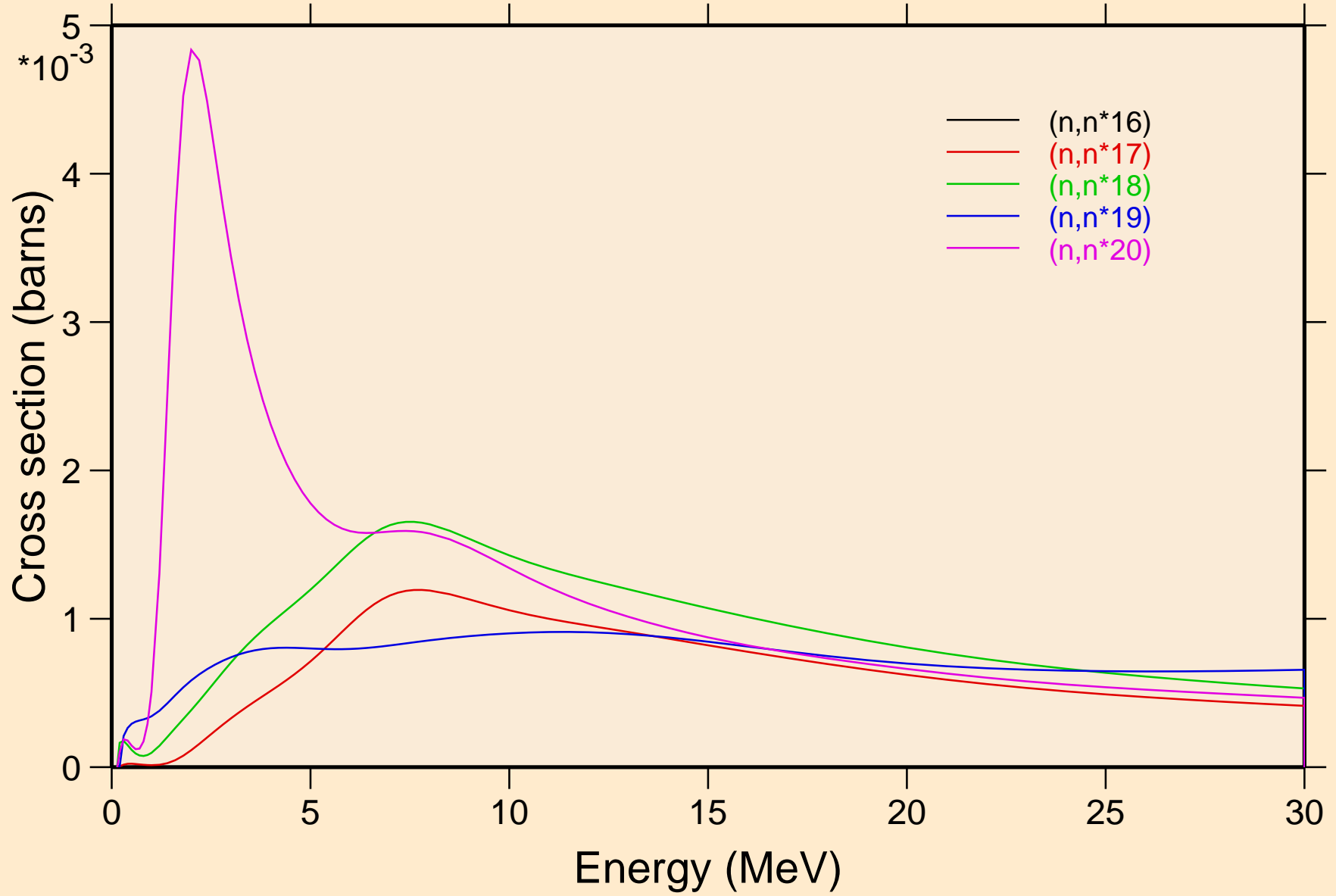
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



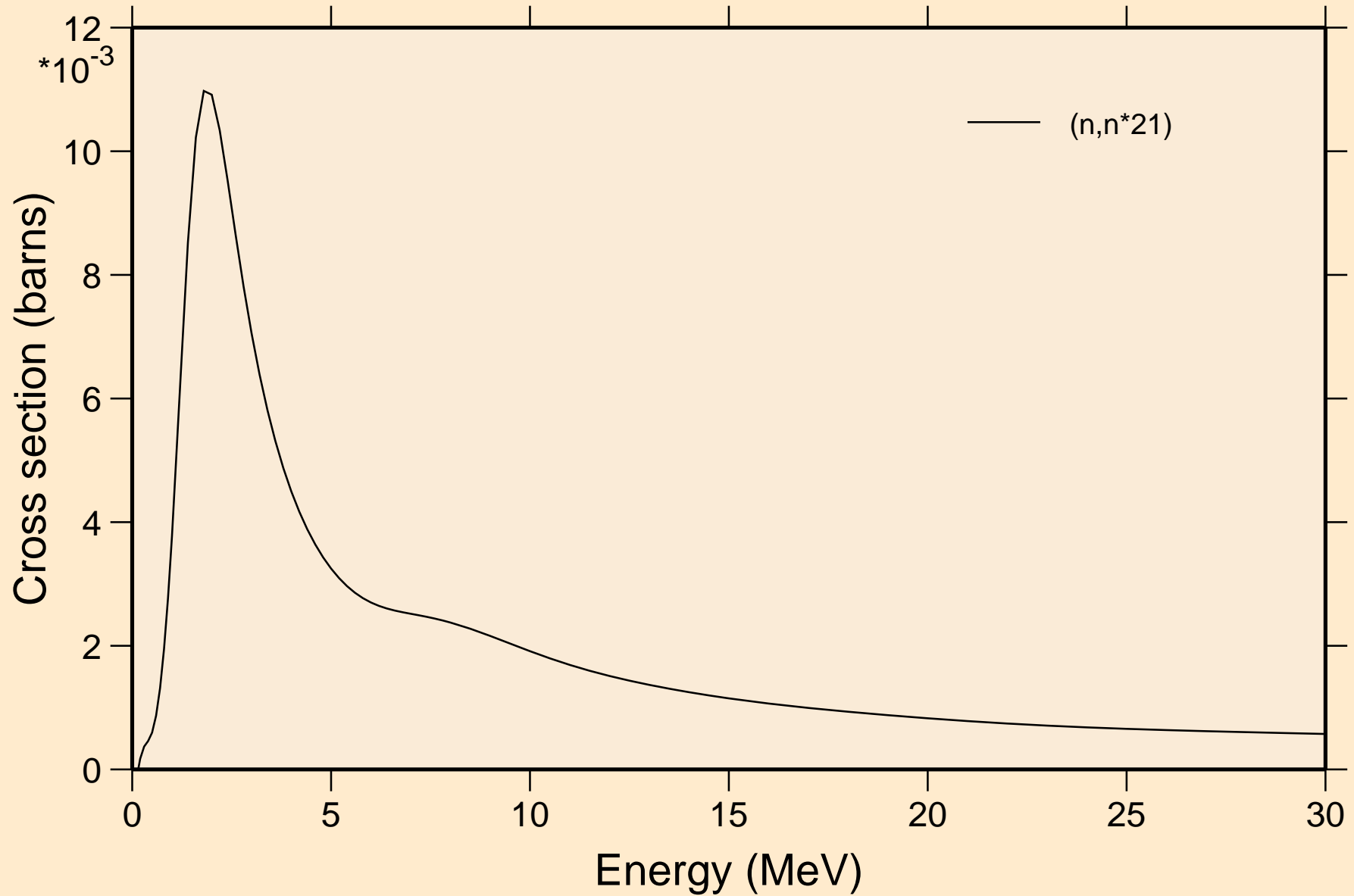
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

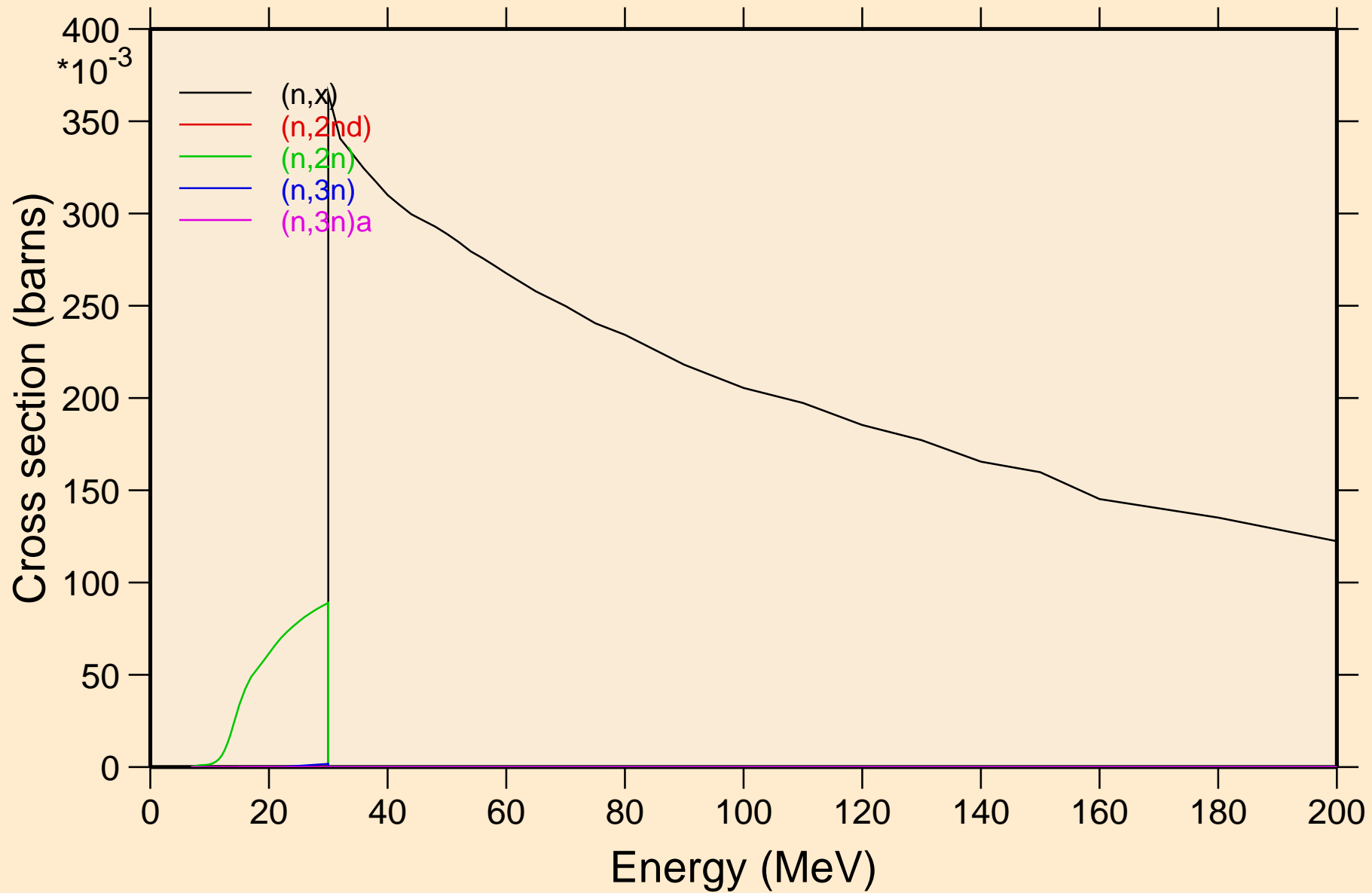


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



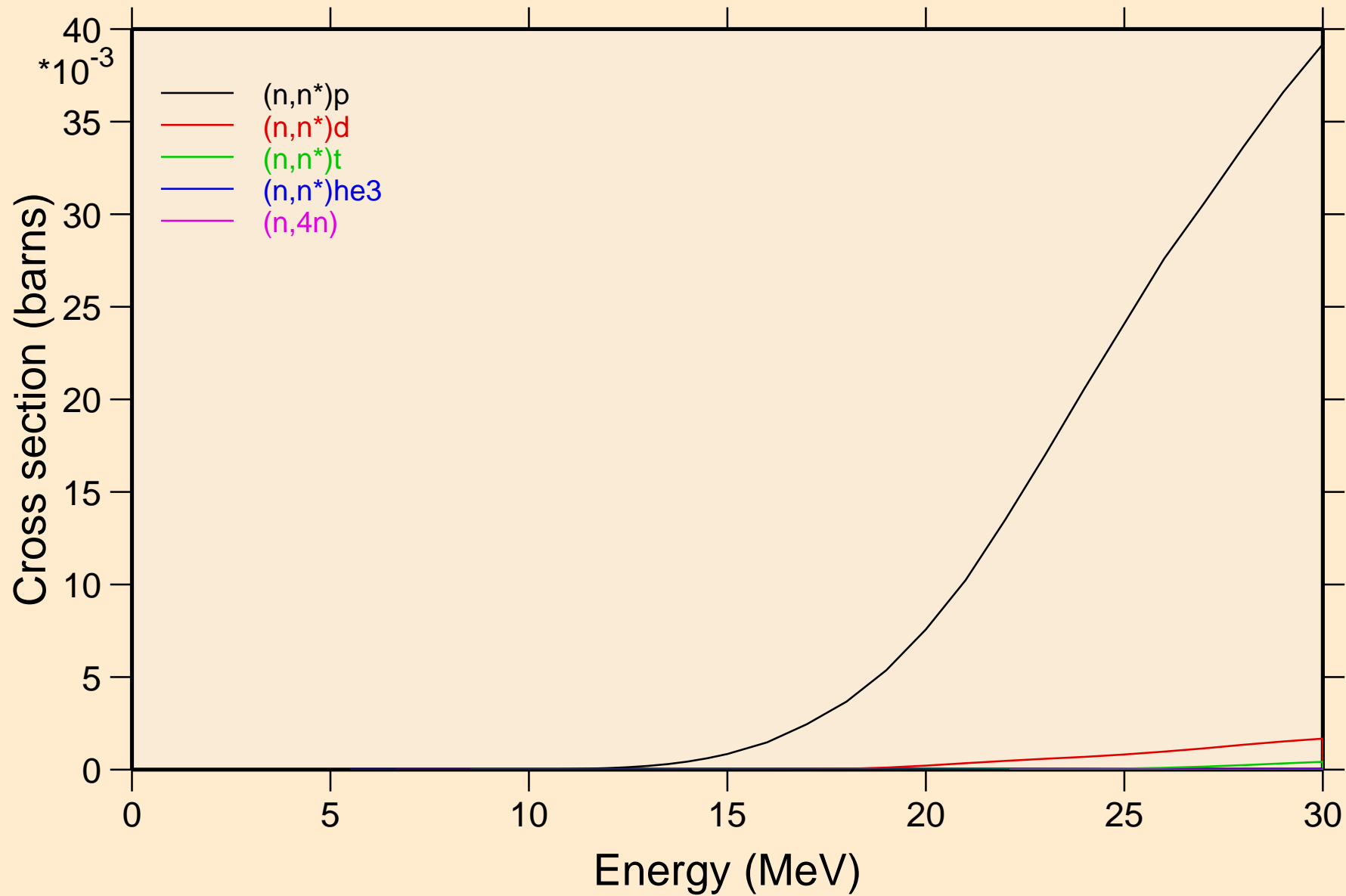
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

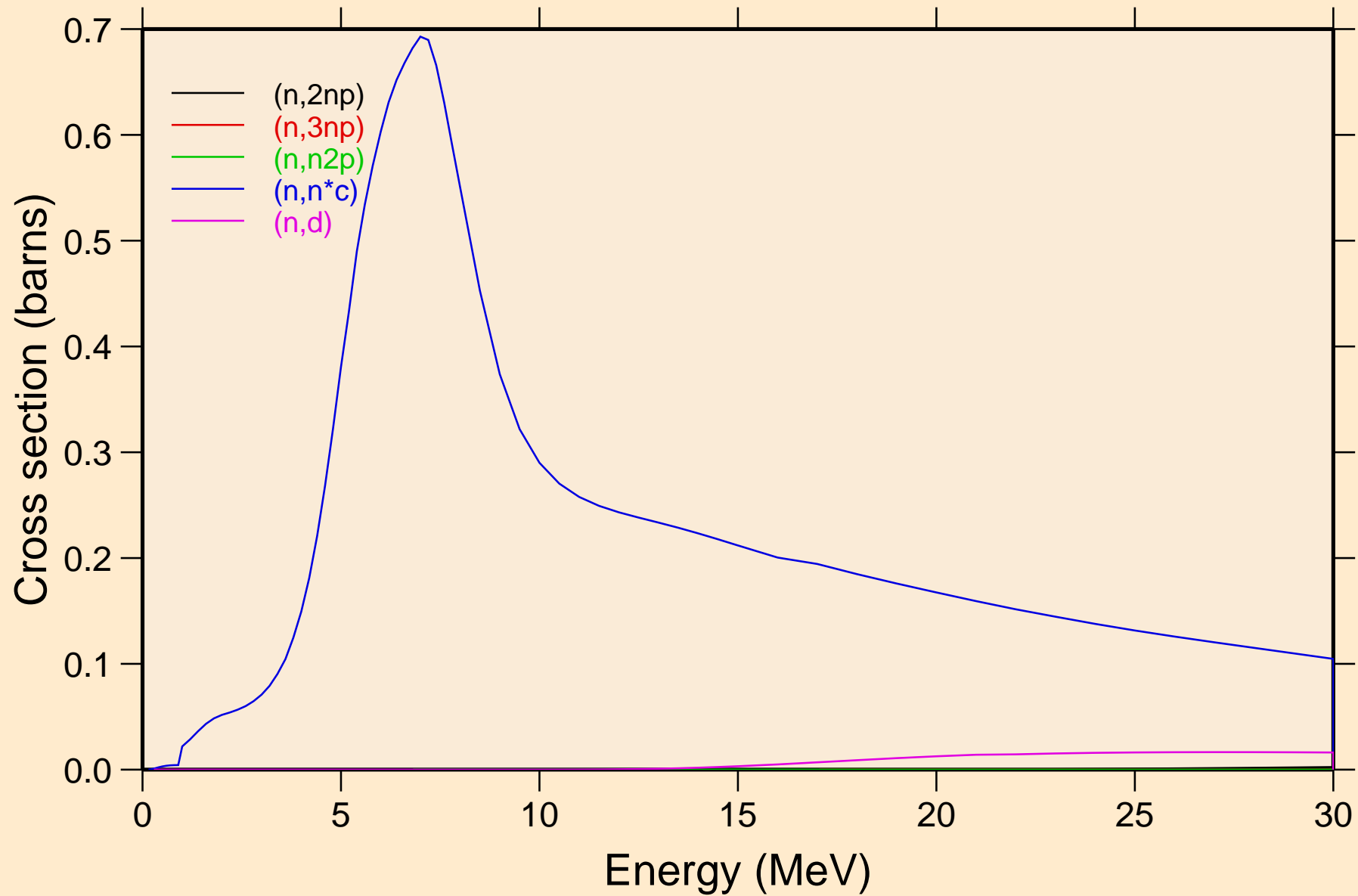


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

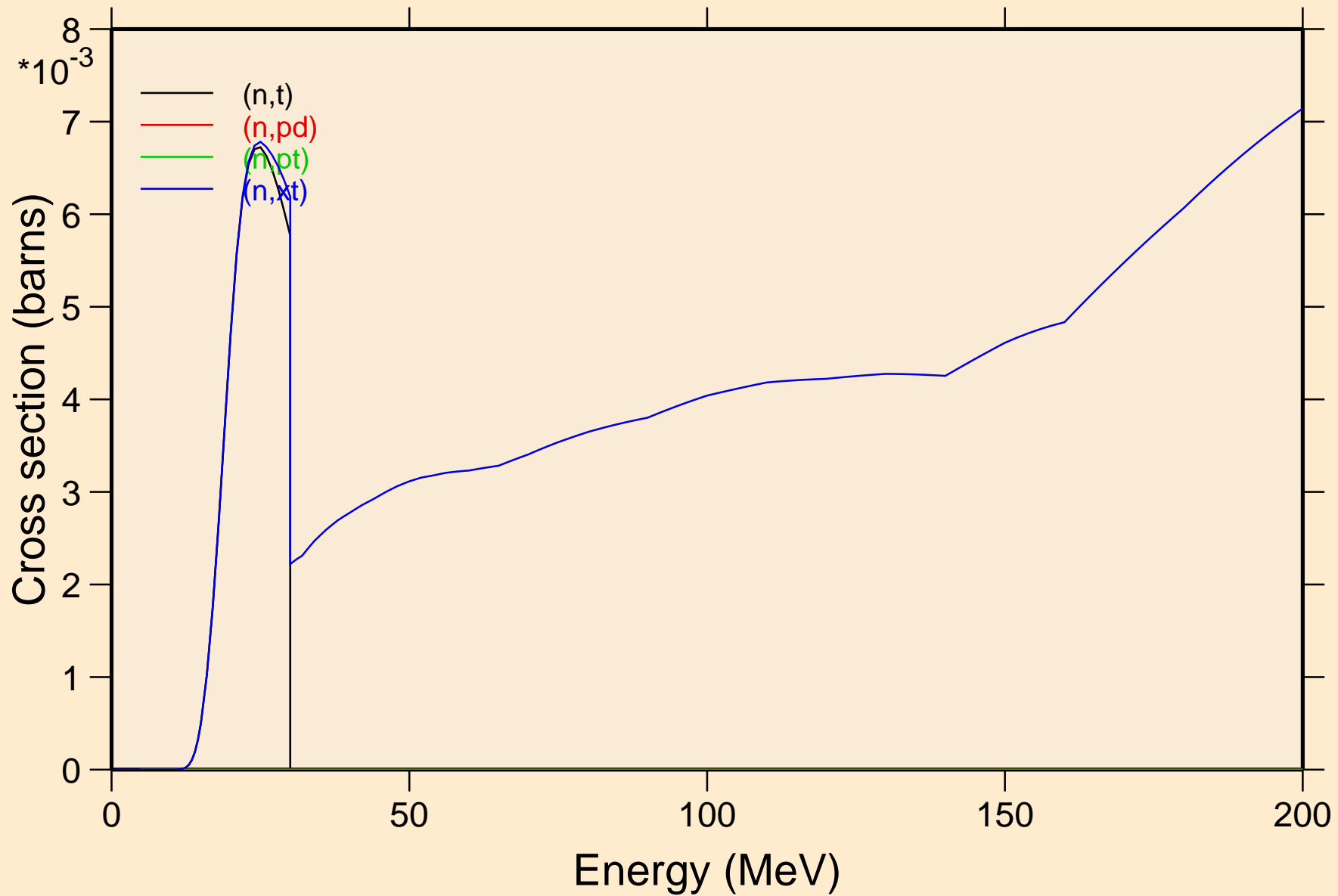


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

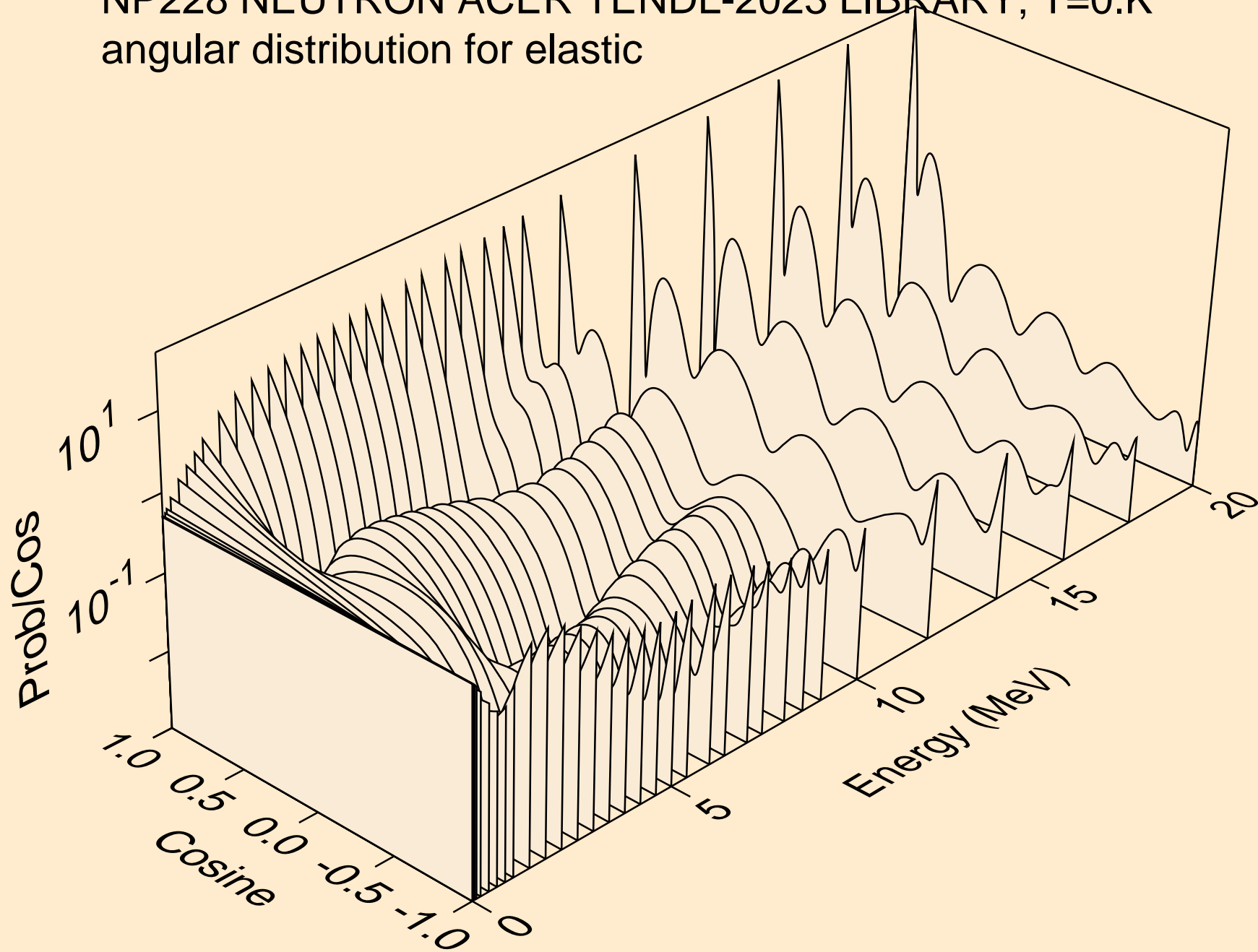


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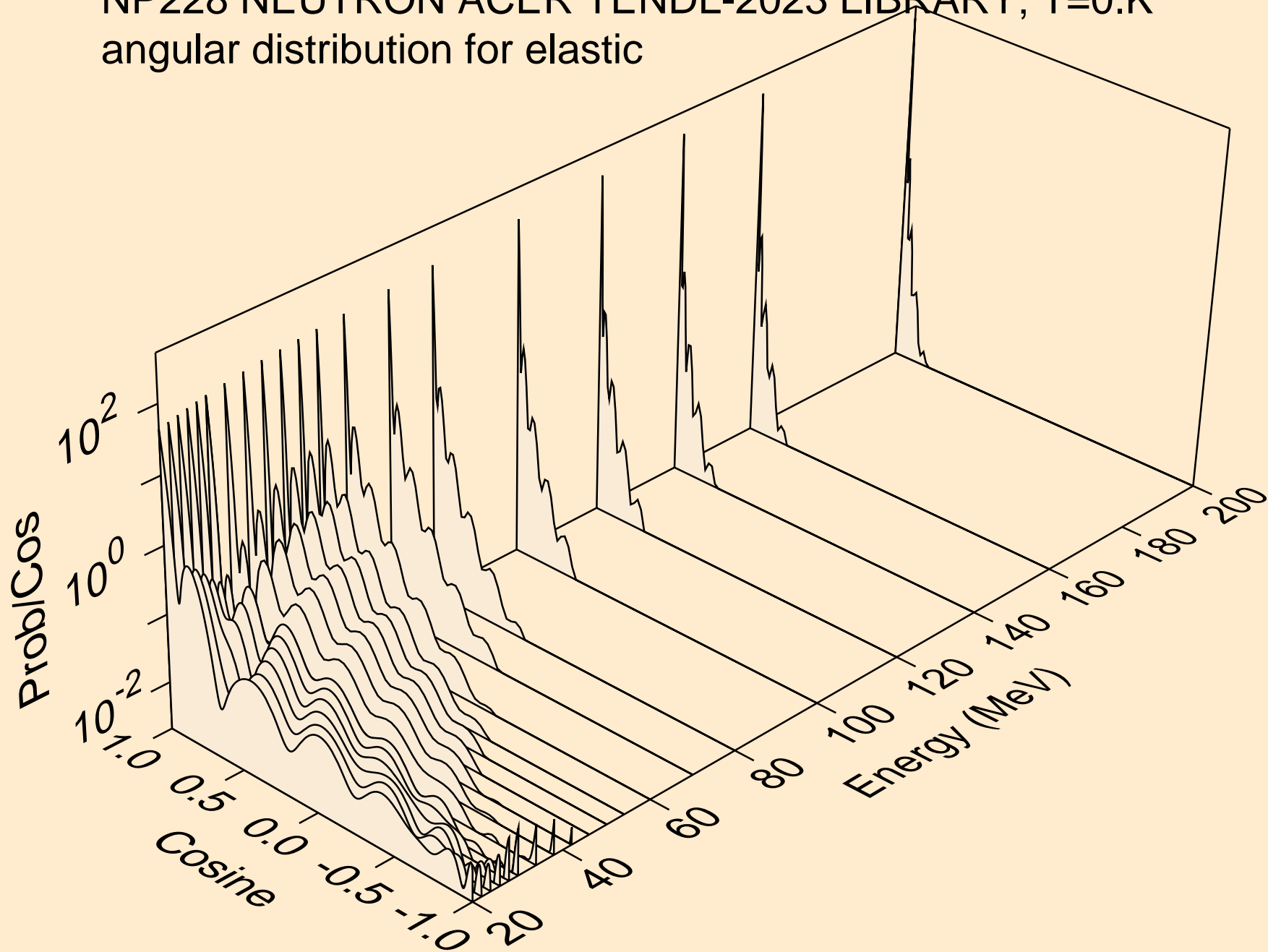
Threshold reactions



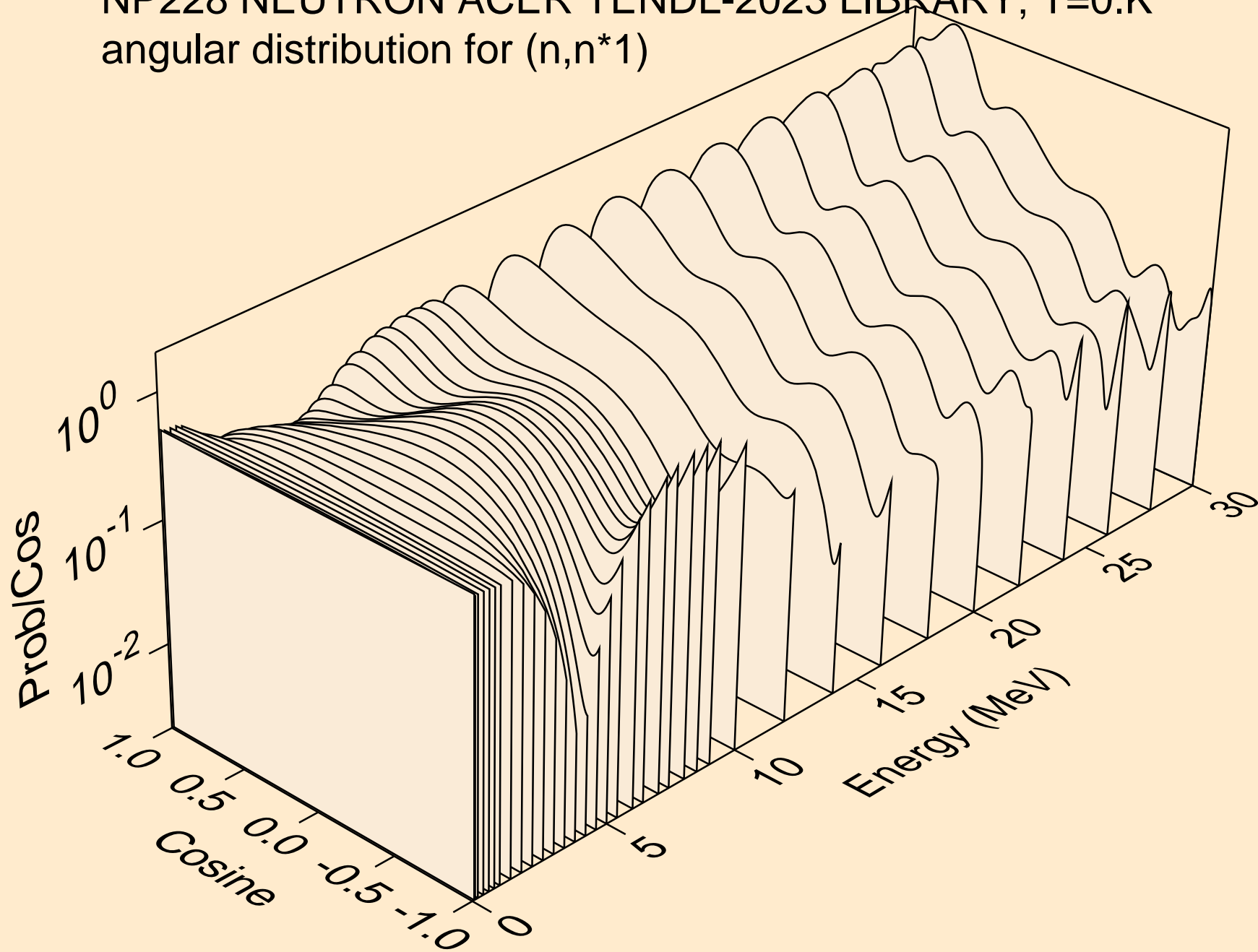
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



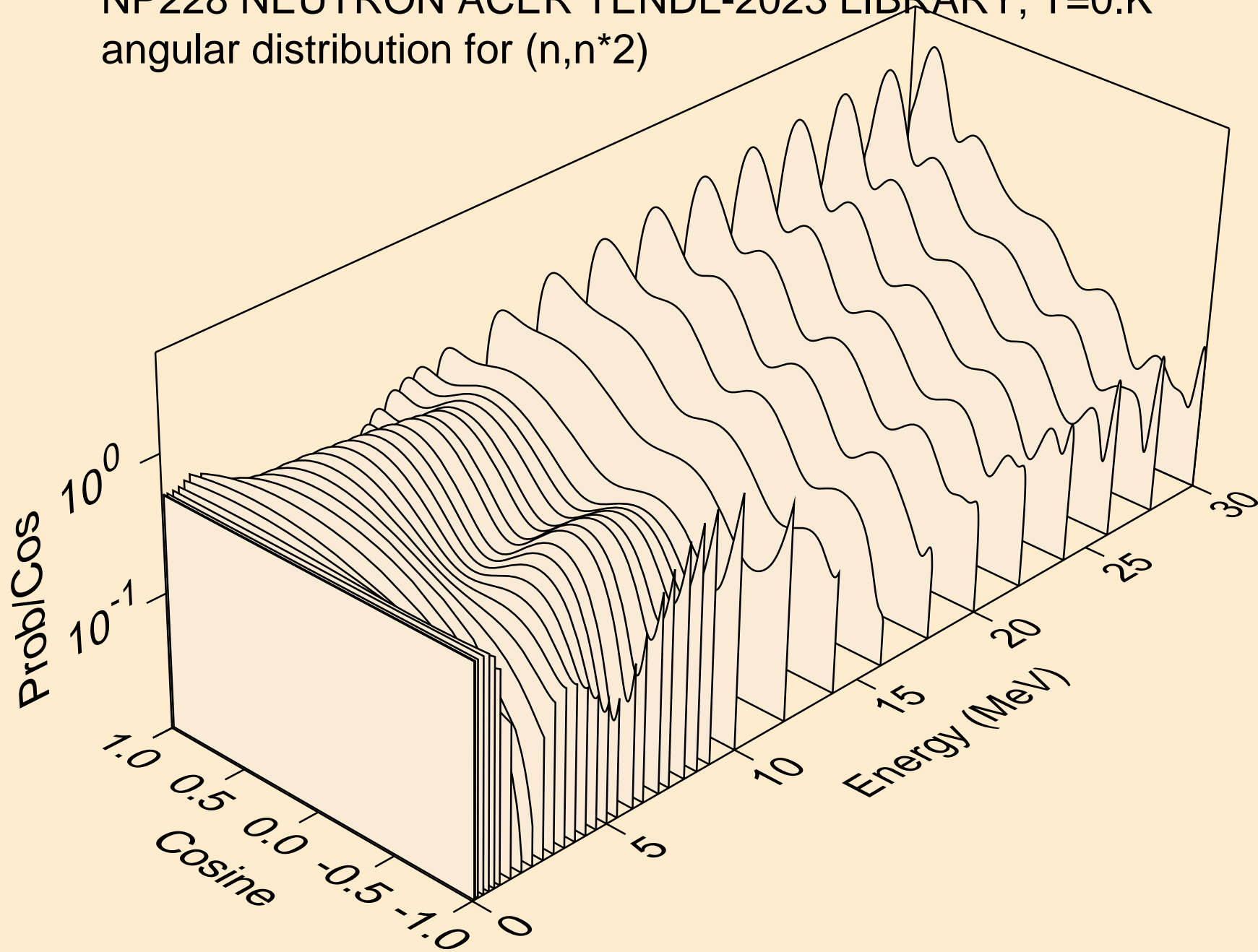
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angular distribution for elastic



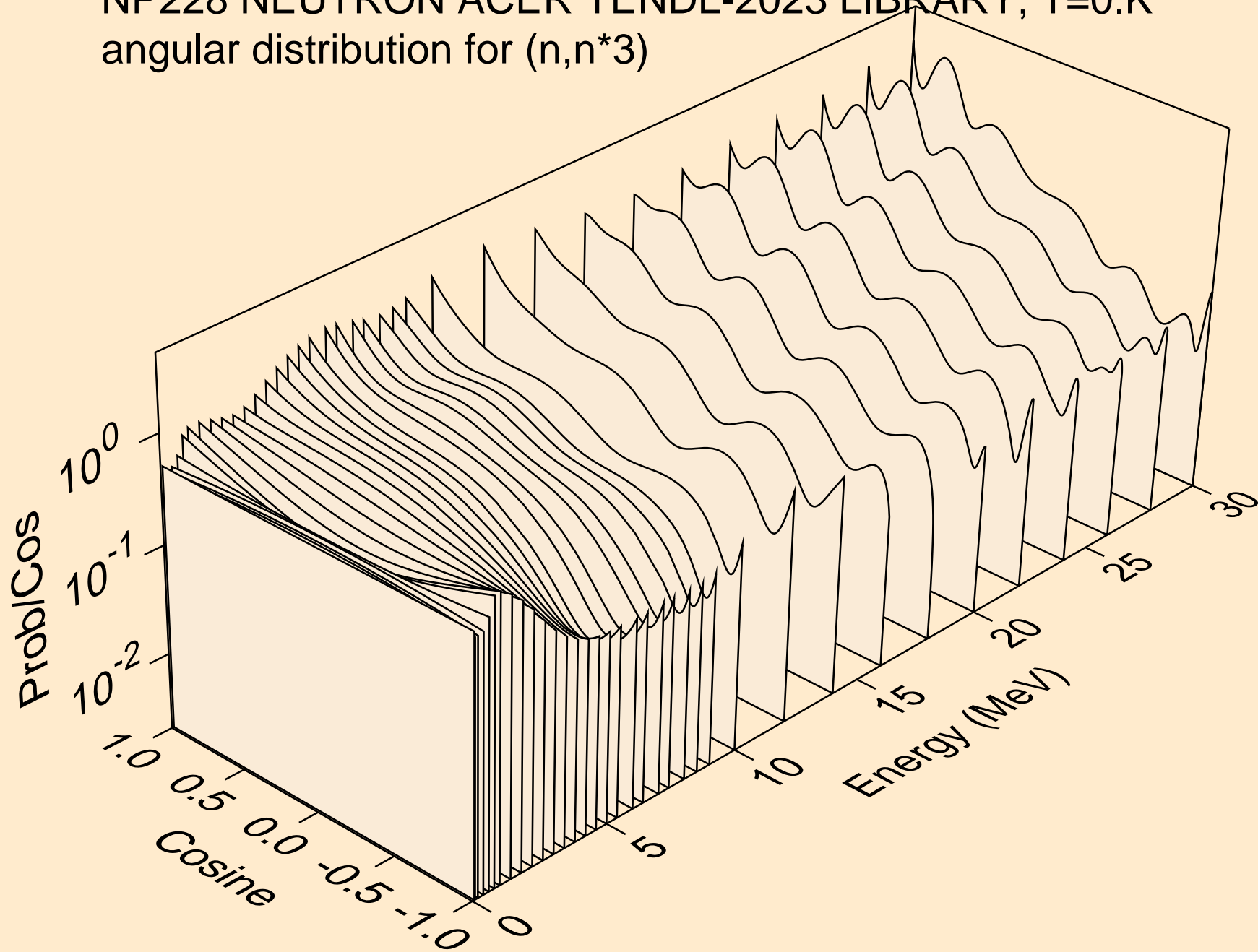
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



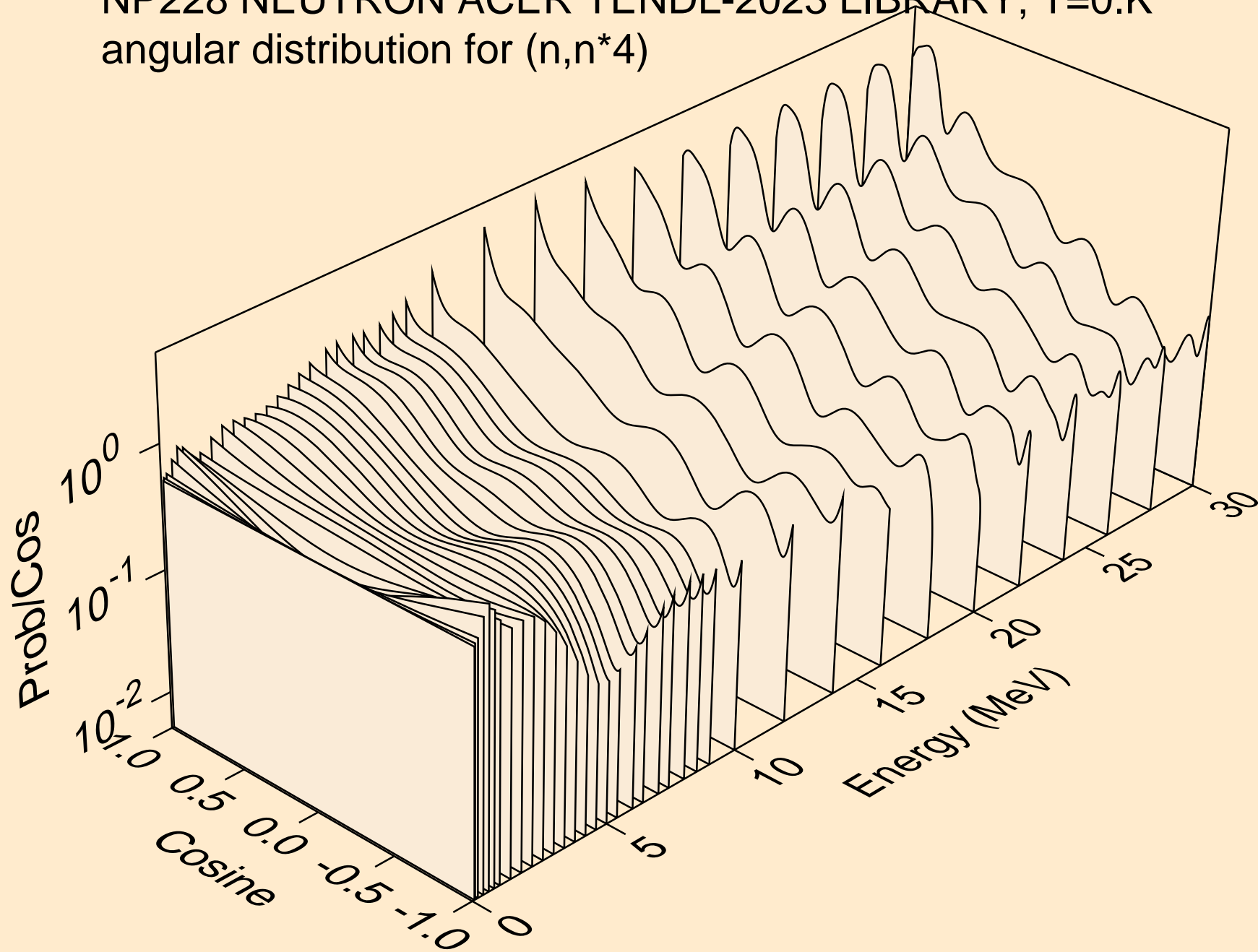
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



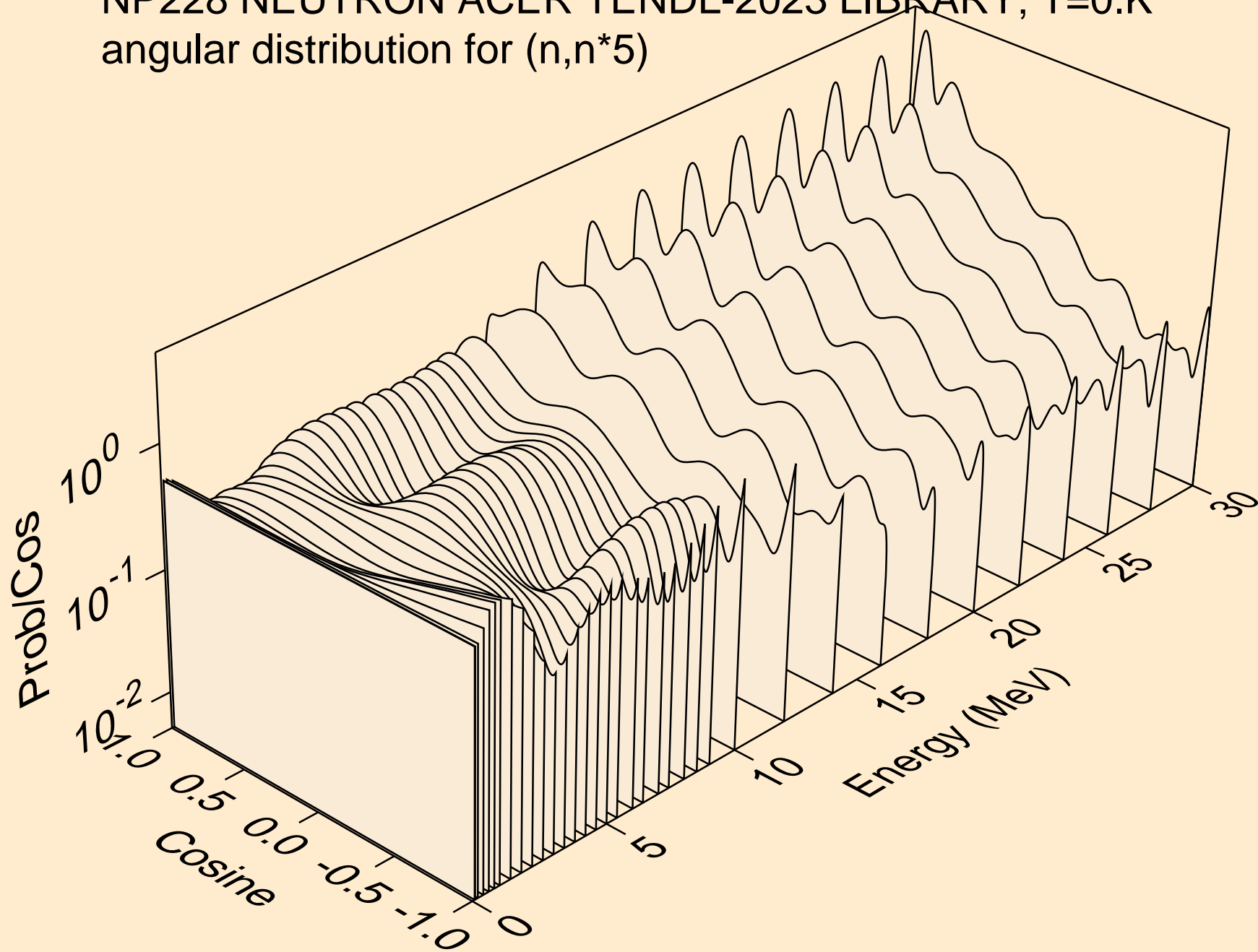
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angular distribution for (n,n*3)



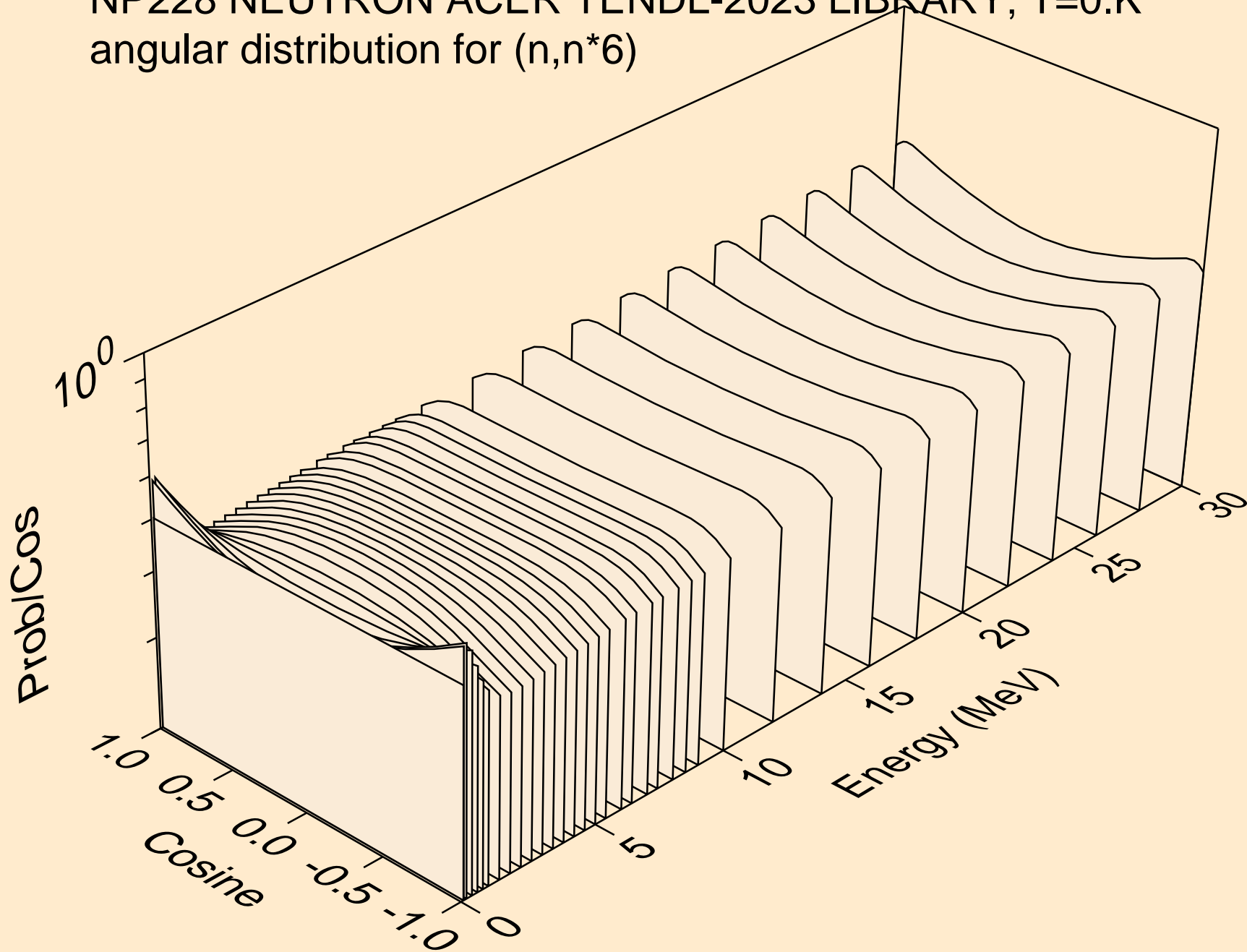
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angular distribution for (n,n*4)



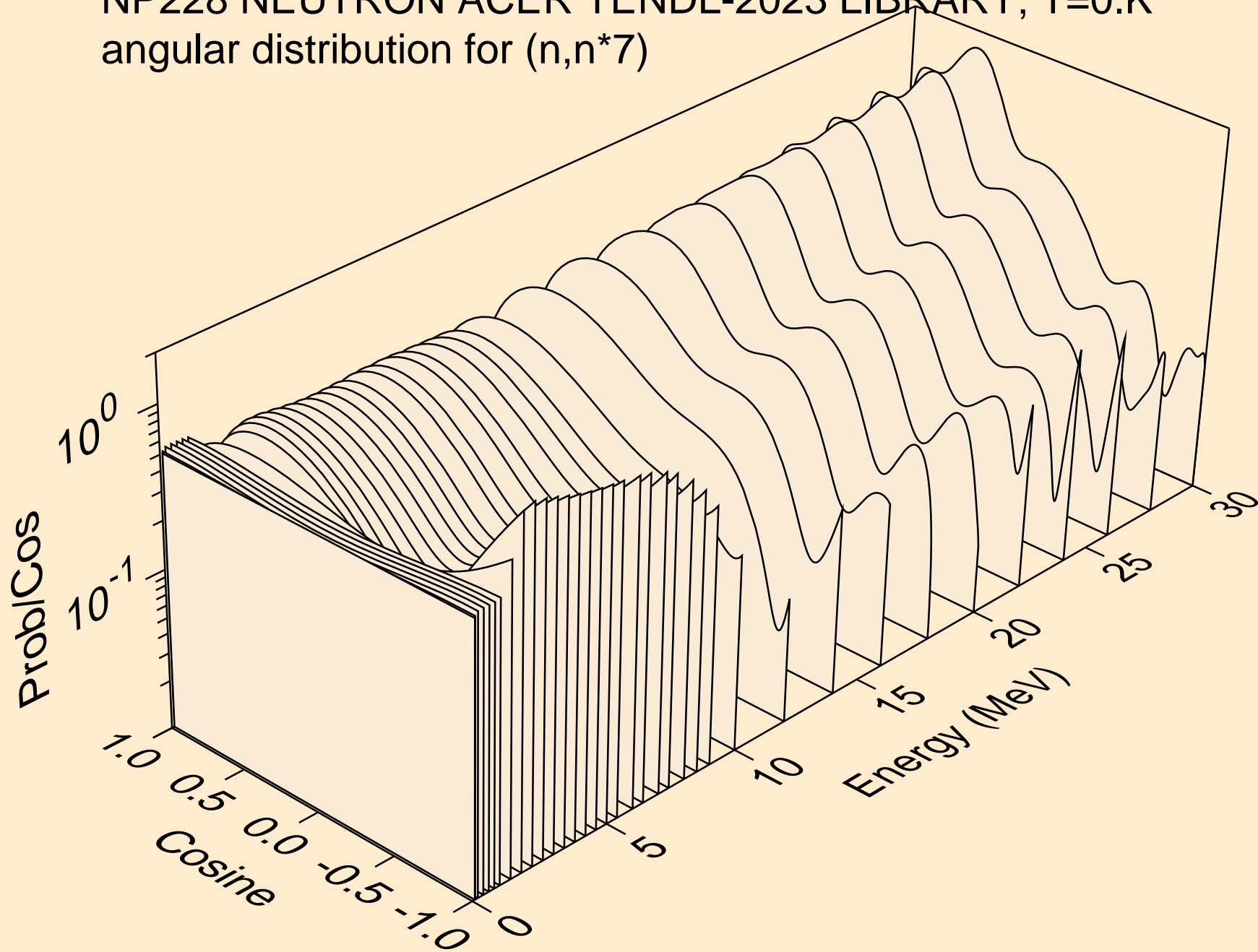
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angular distribution for (n,n*5)



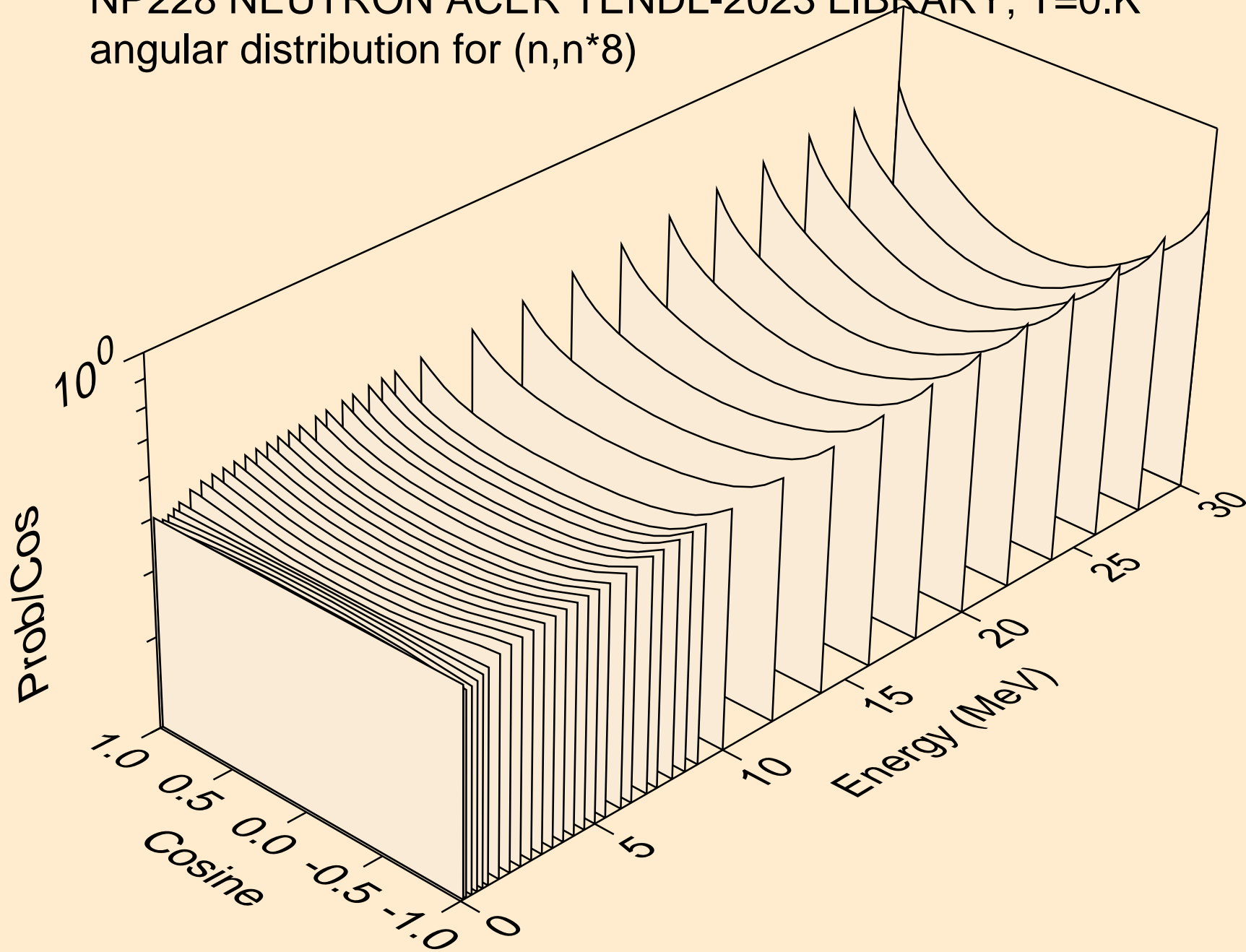
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angular distribution for (n,n*6)



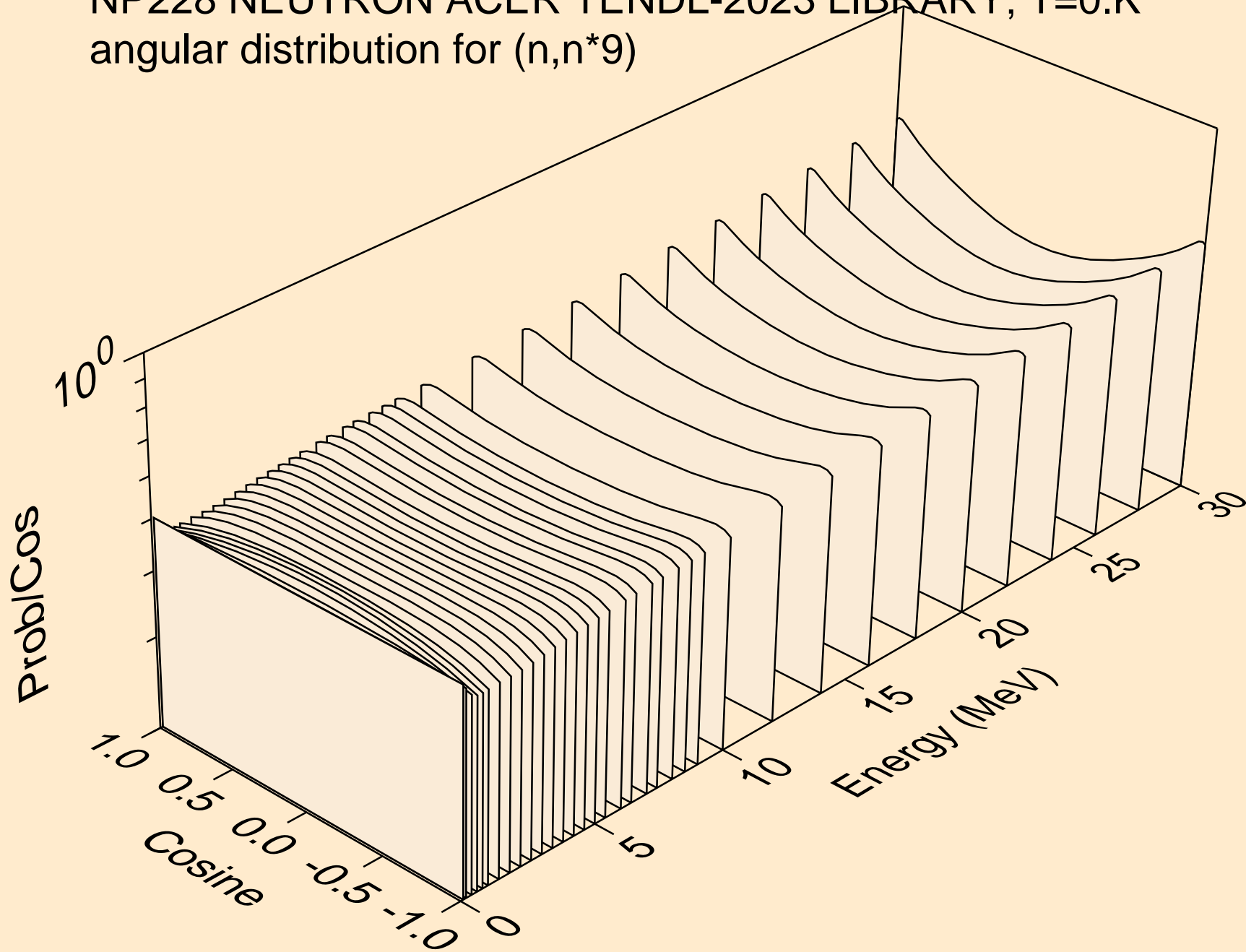
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angular distribution for (n,n*7)



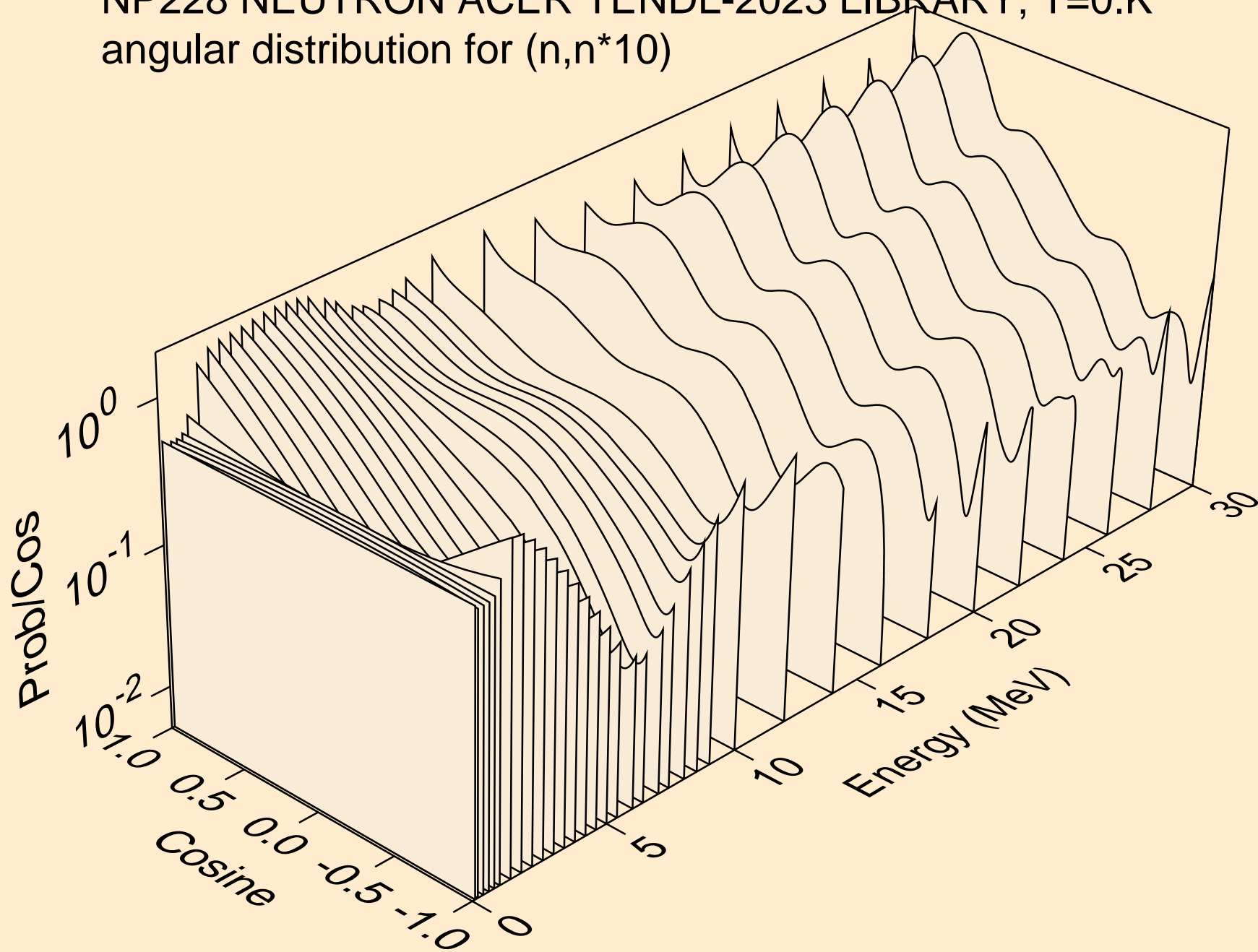
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angular distribution for (n,n*8)



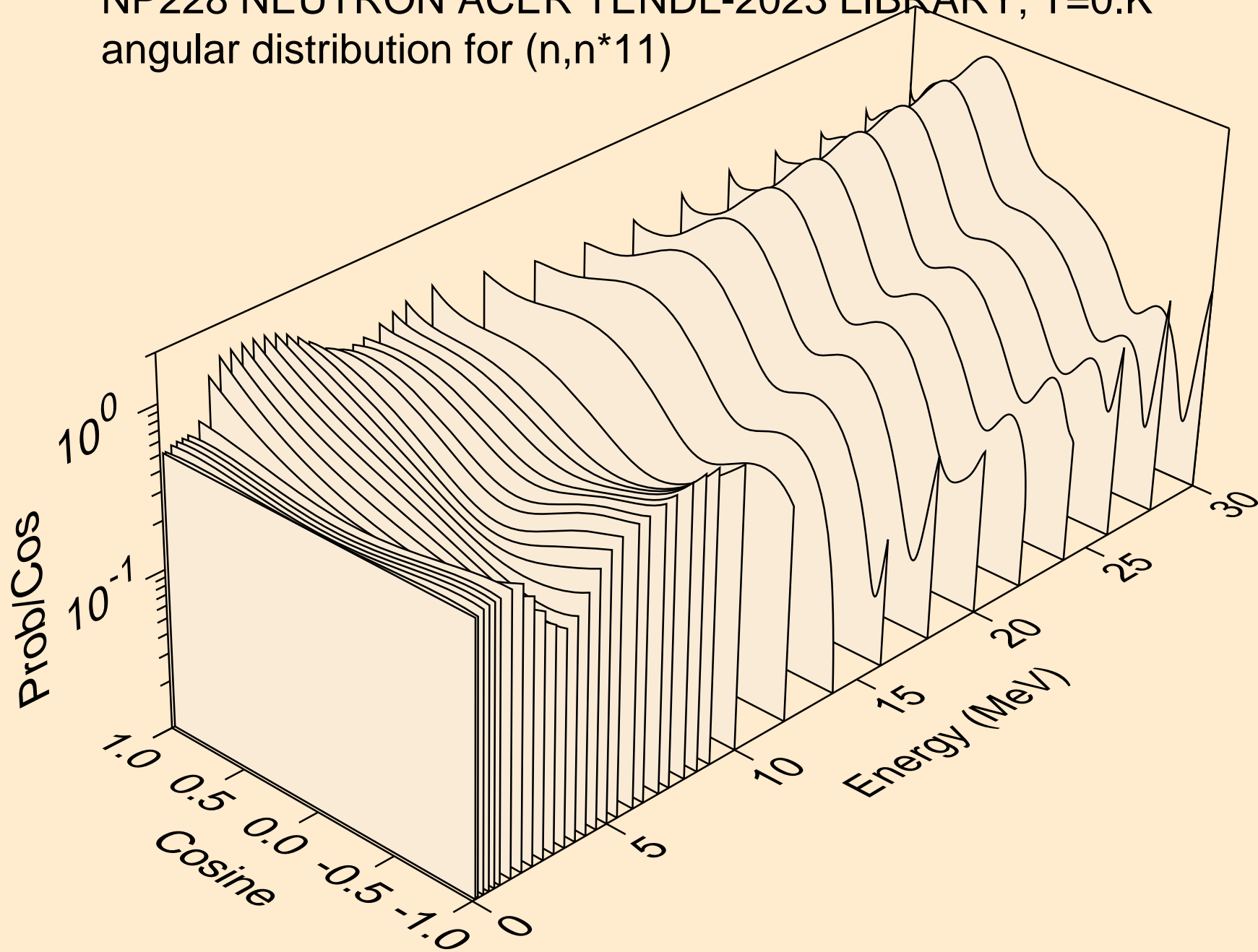
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angular distribution for (n,n*9)



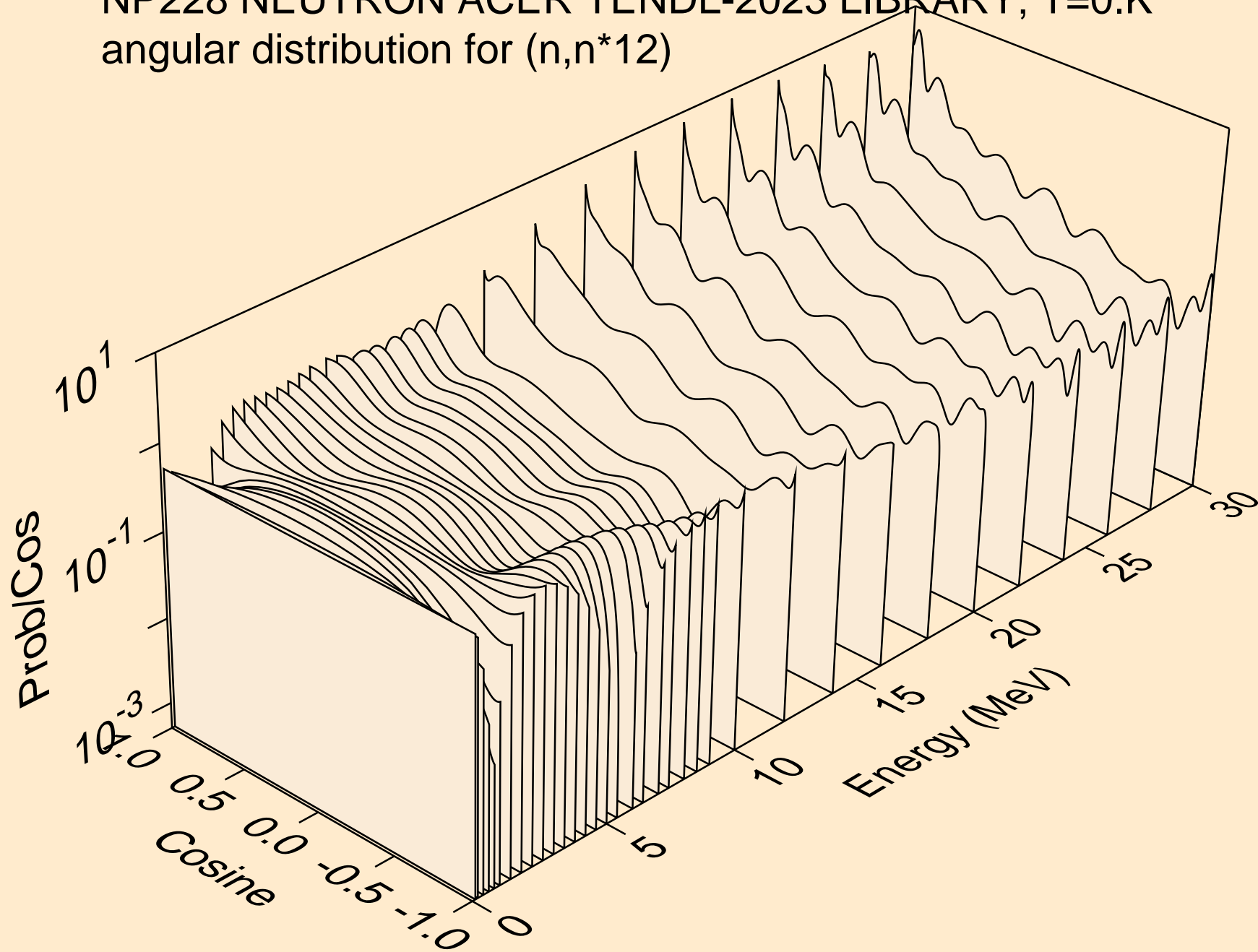
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angular distribution for (n,n*10)



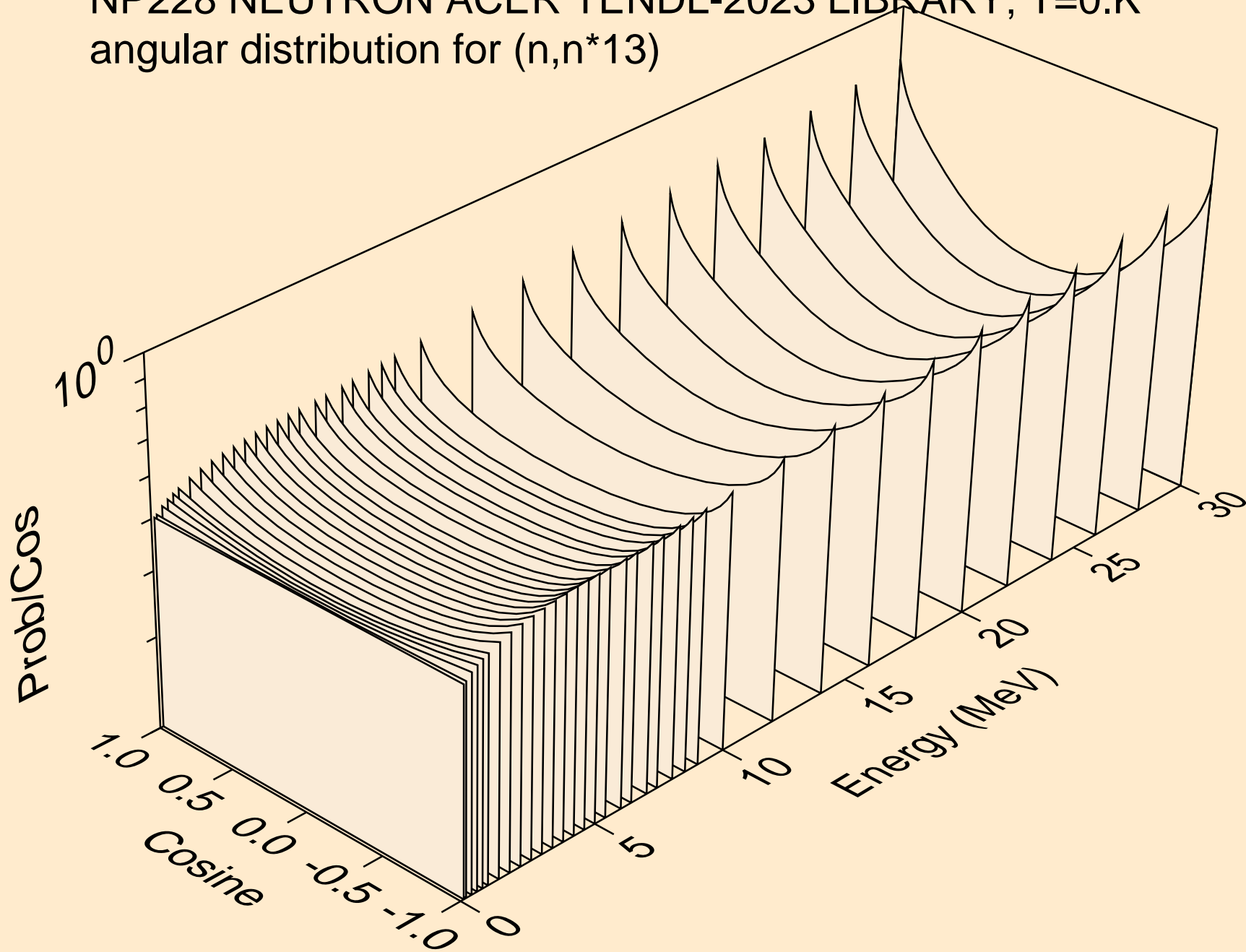
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angular distribution for (n,n*11)



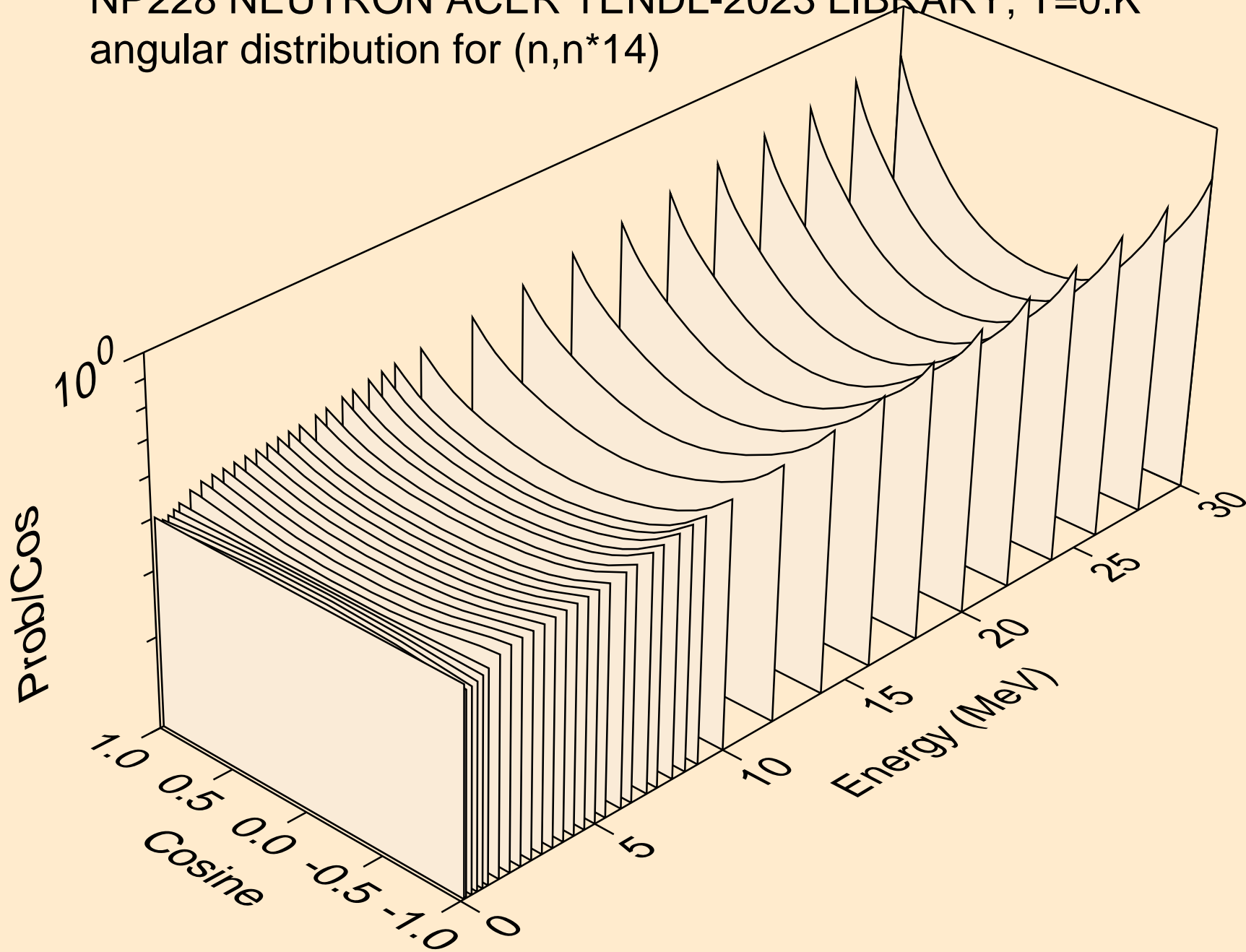
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angular distribution for (n,n*12)



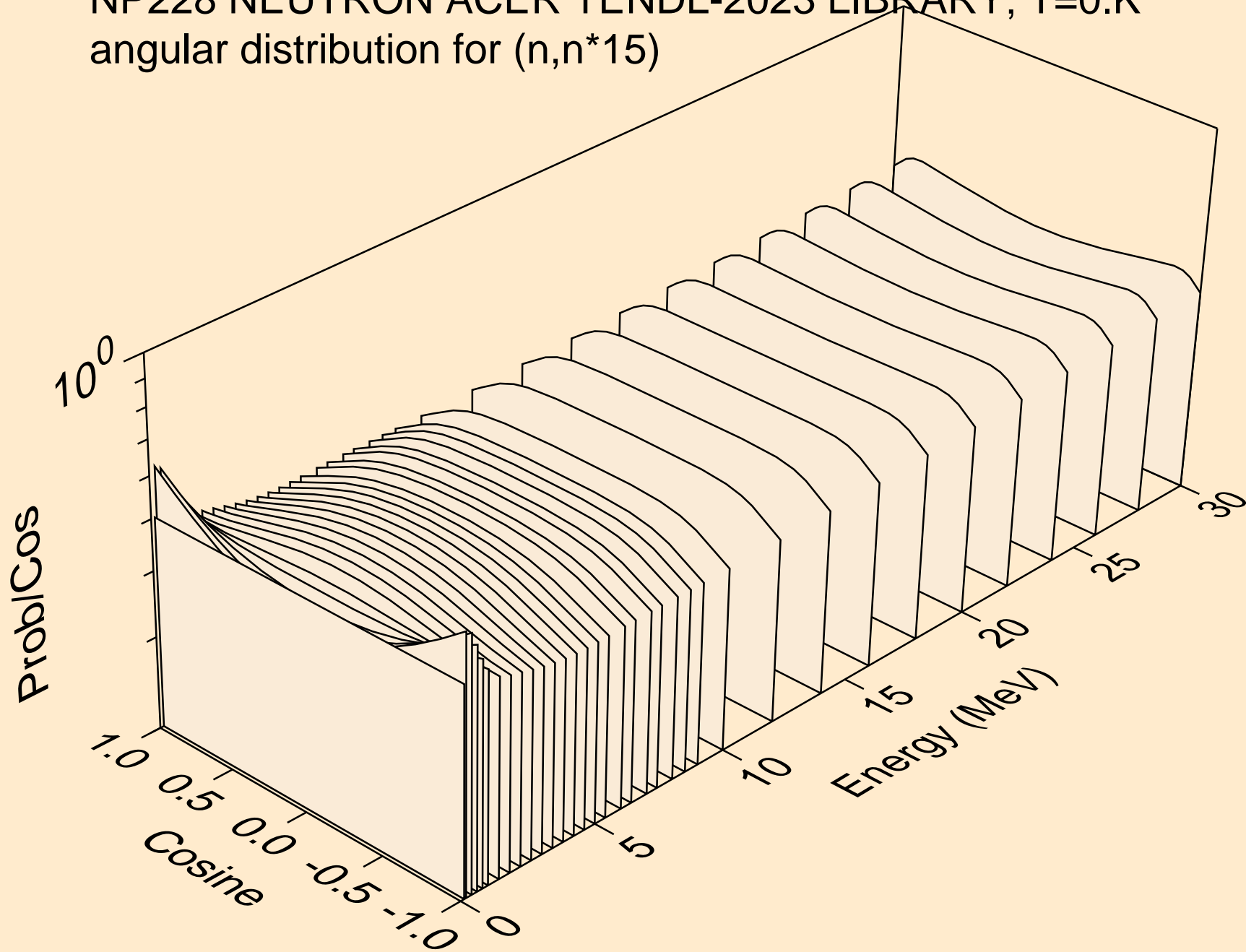
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angular distribution for (n,n*13)



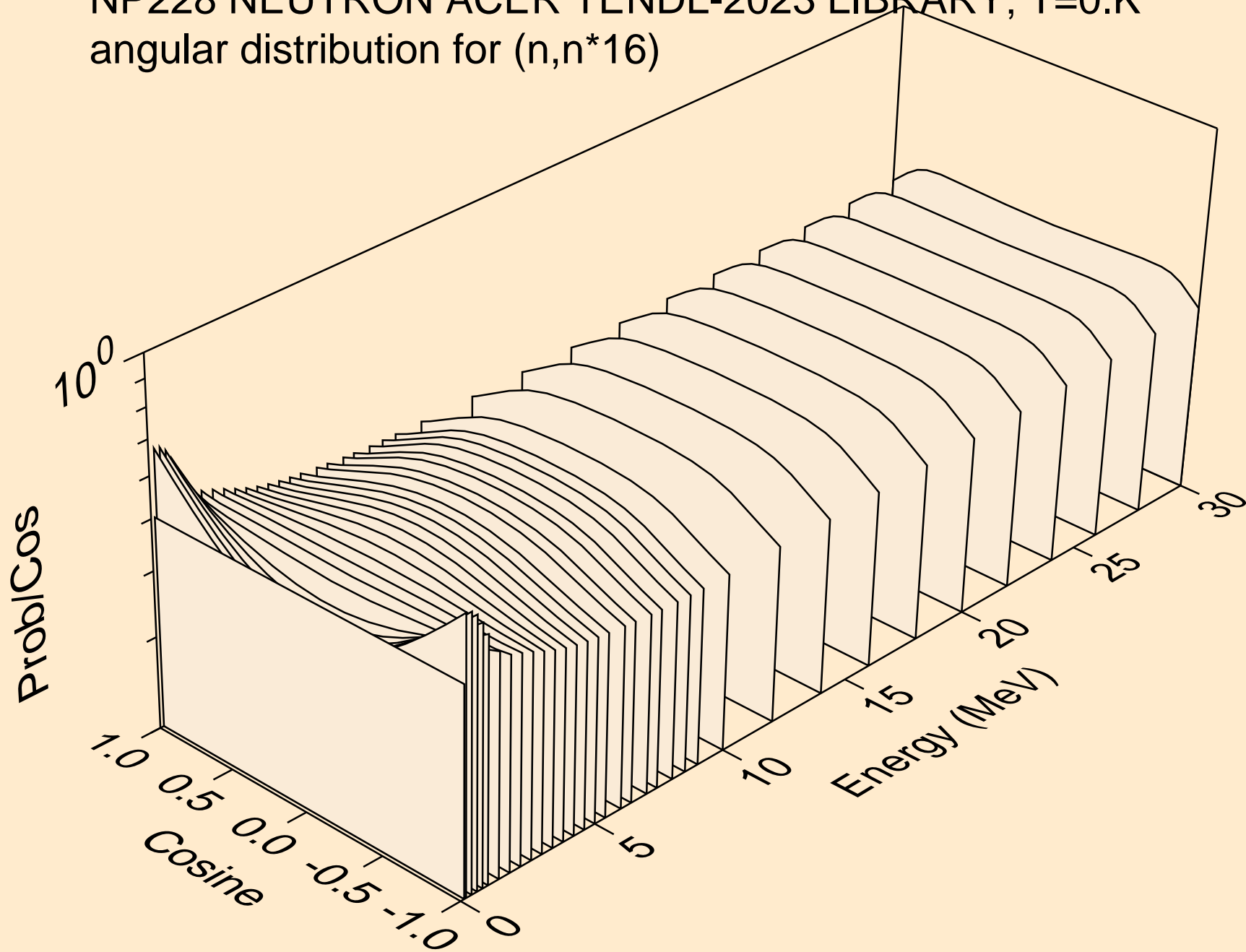
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angular distribution for (n,n*14)



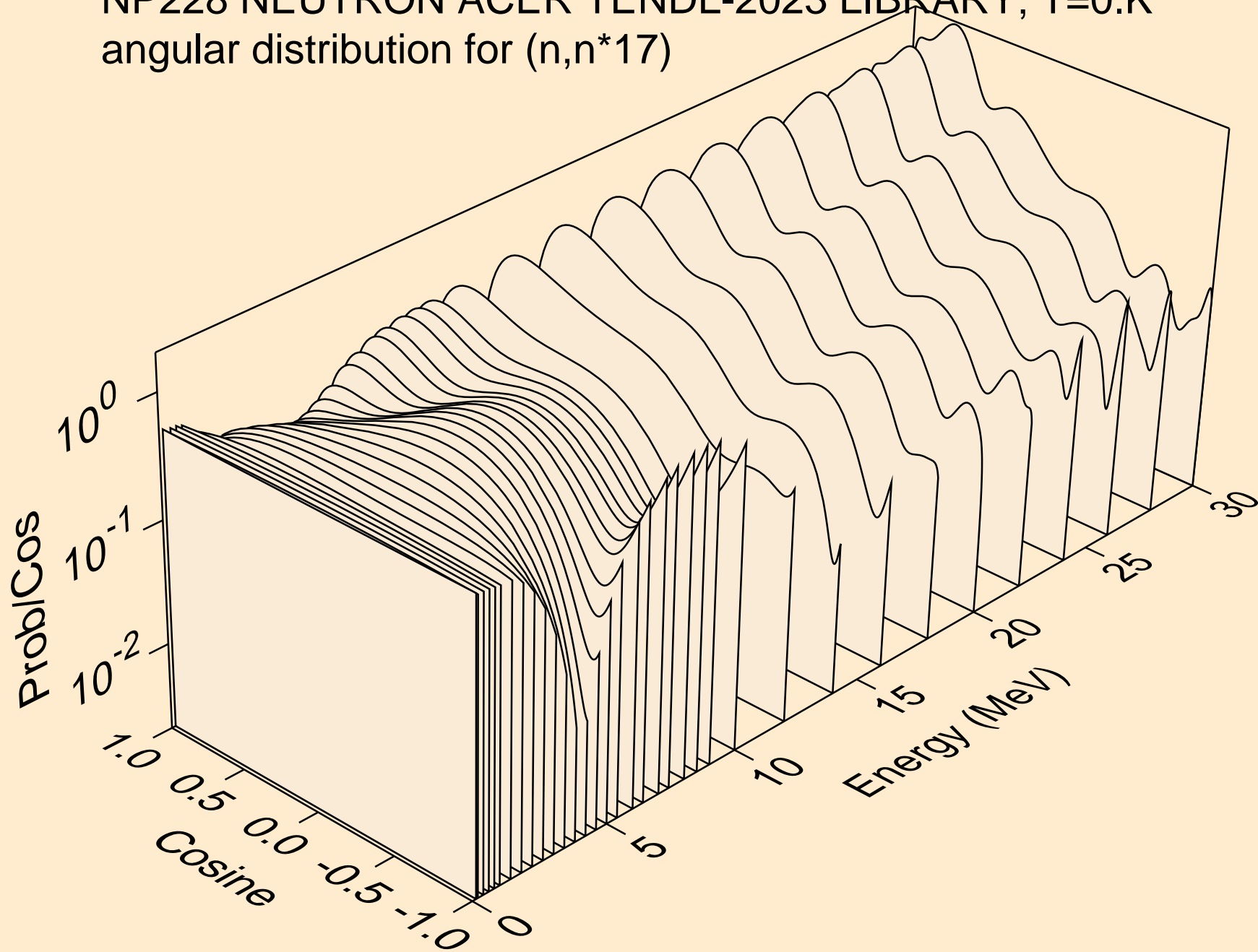
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angular distribution for (n,n*15)



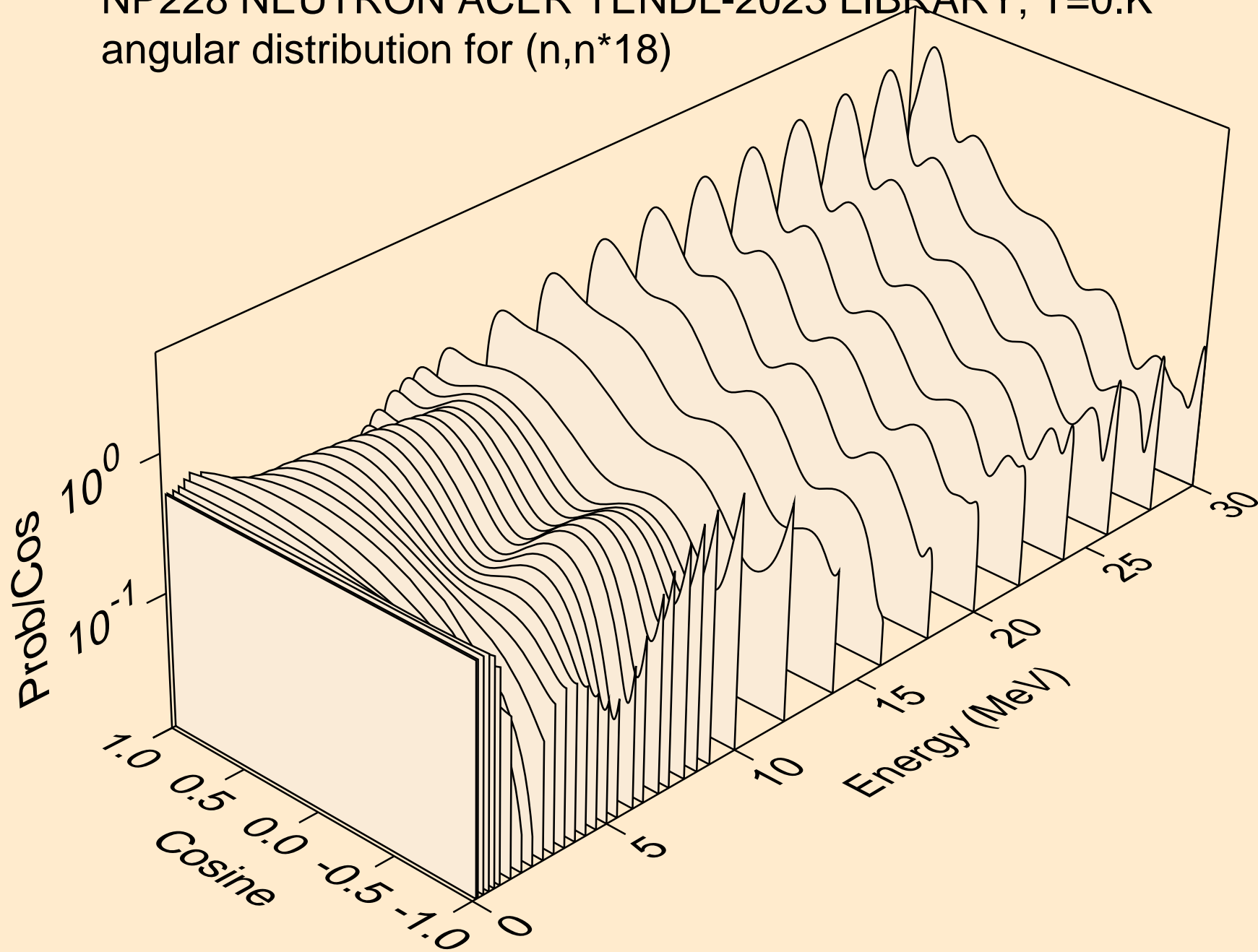
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angular distribution for (n,n*16)



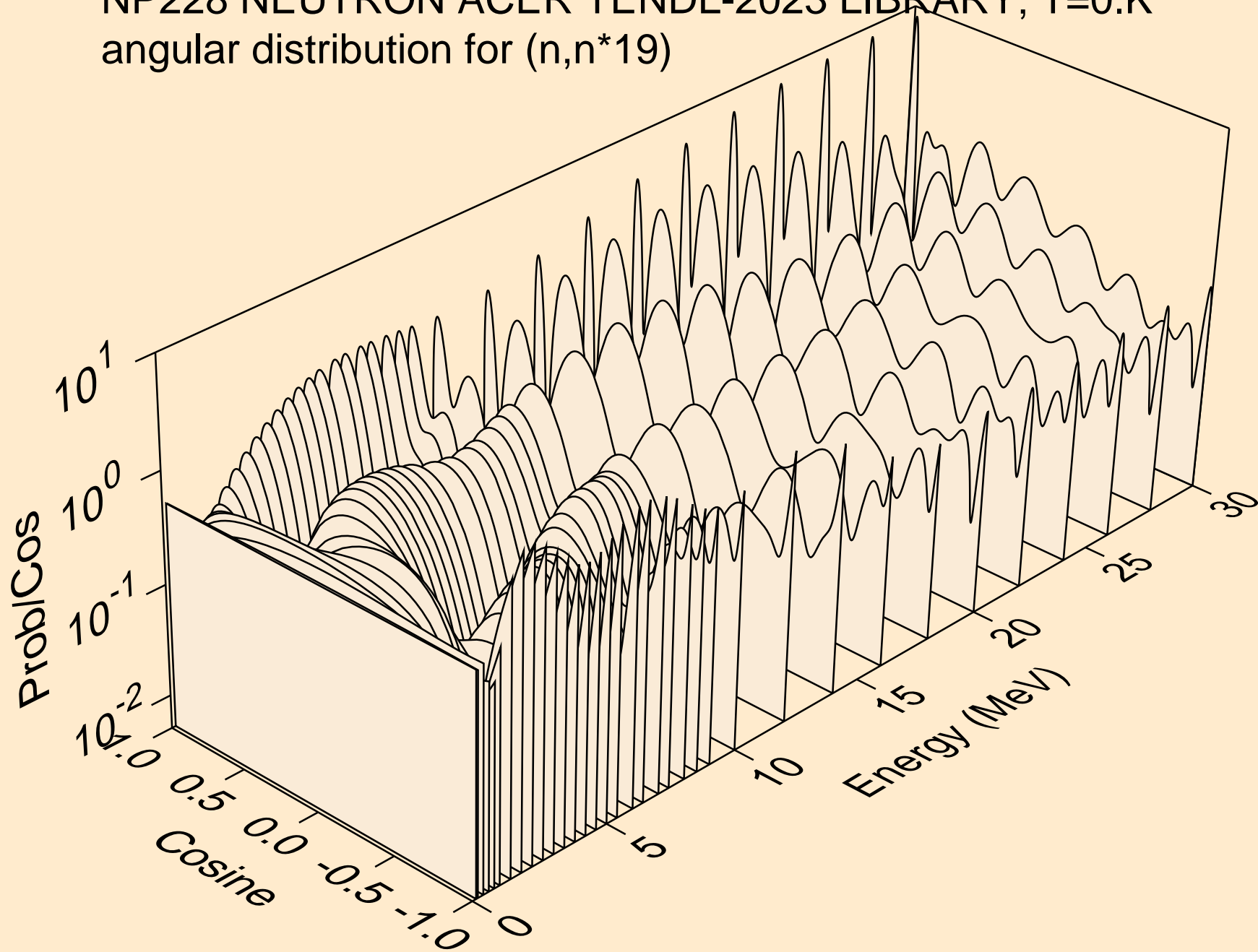
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angular distribution for (n,n*17)



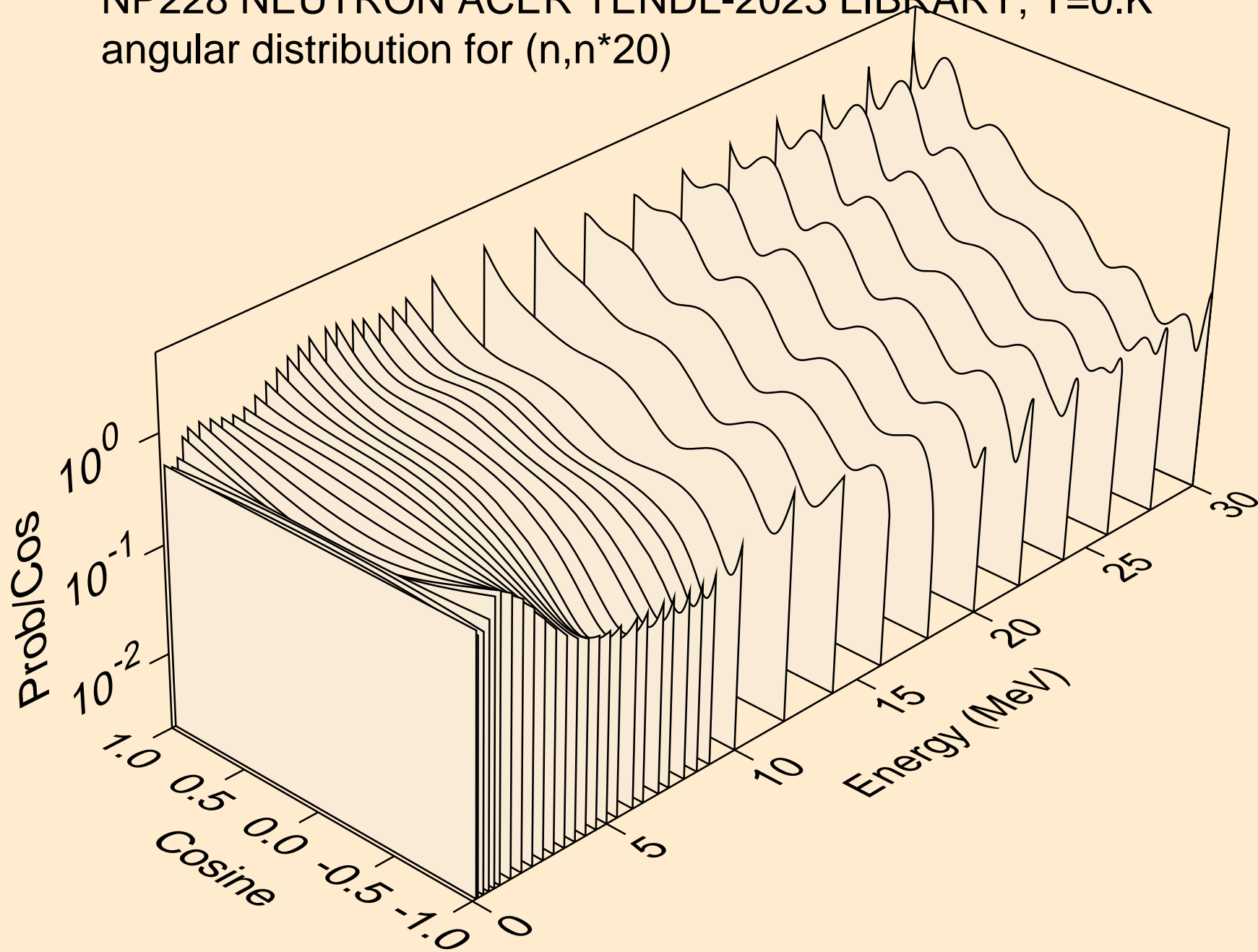
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angular distribution for (n,n*18)



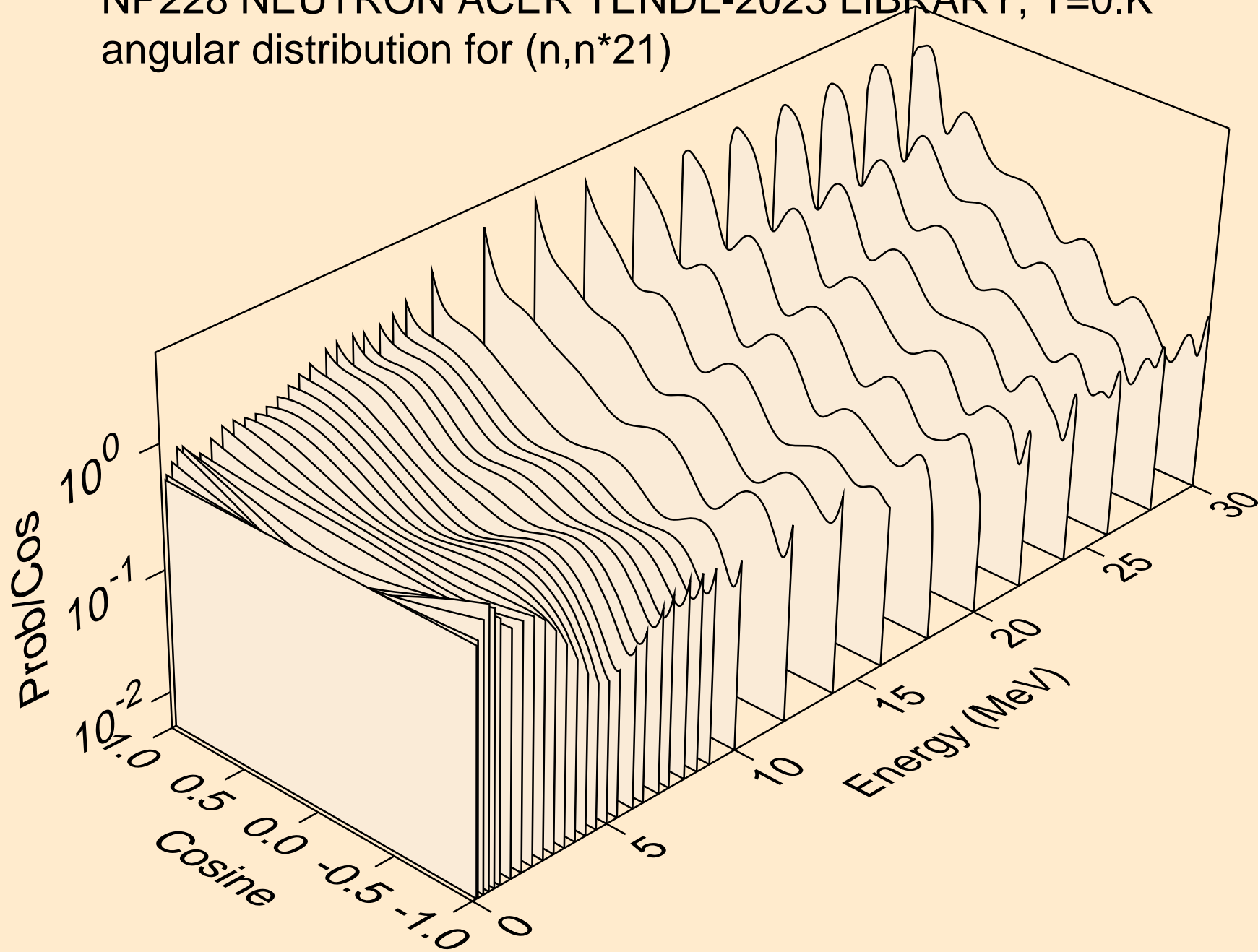
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*19)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*20)

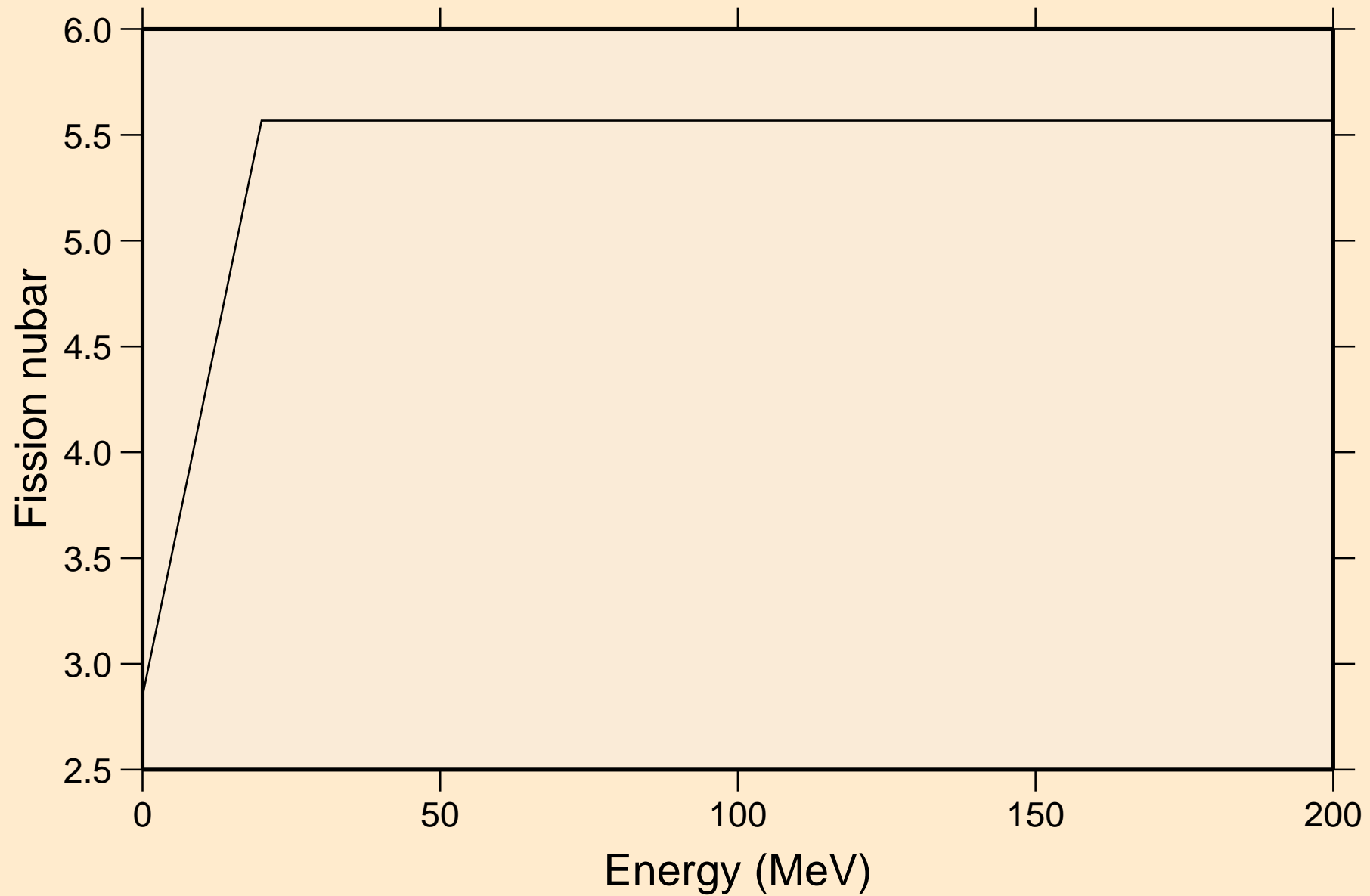


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angular distribution for (n,n*21)

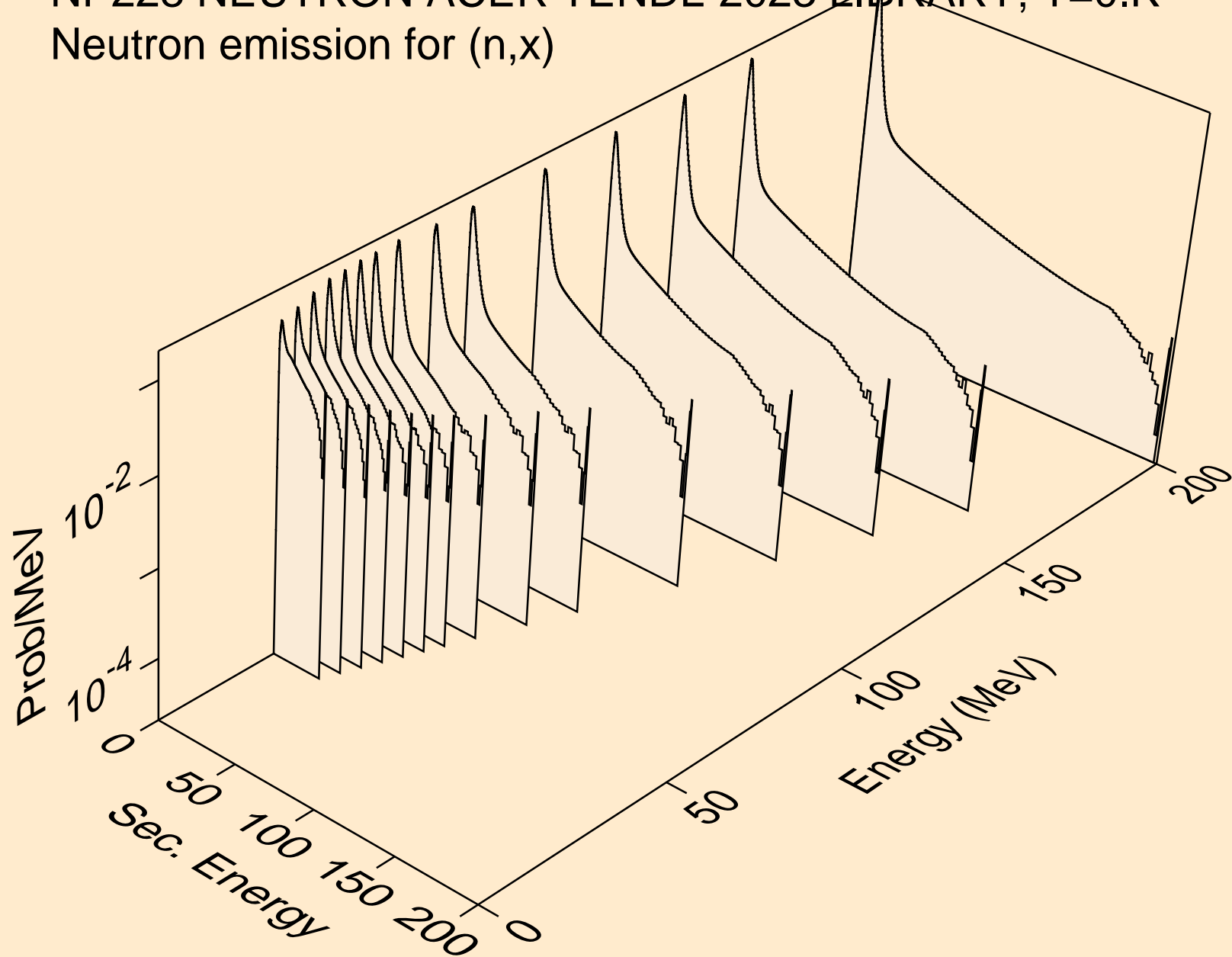


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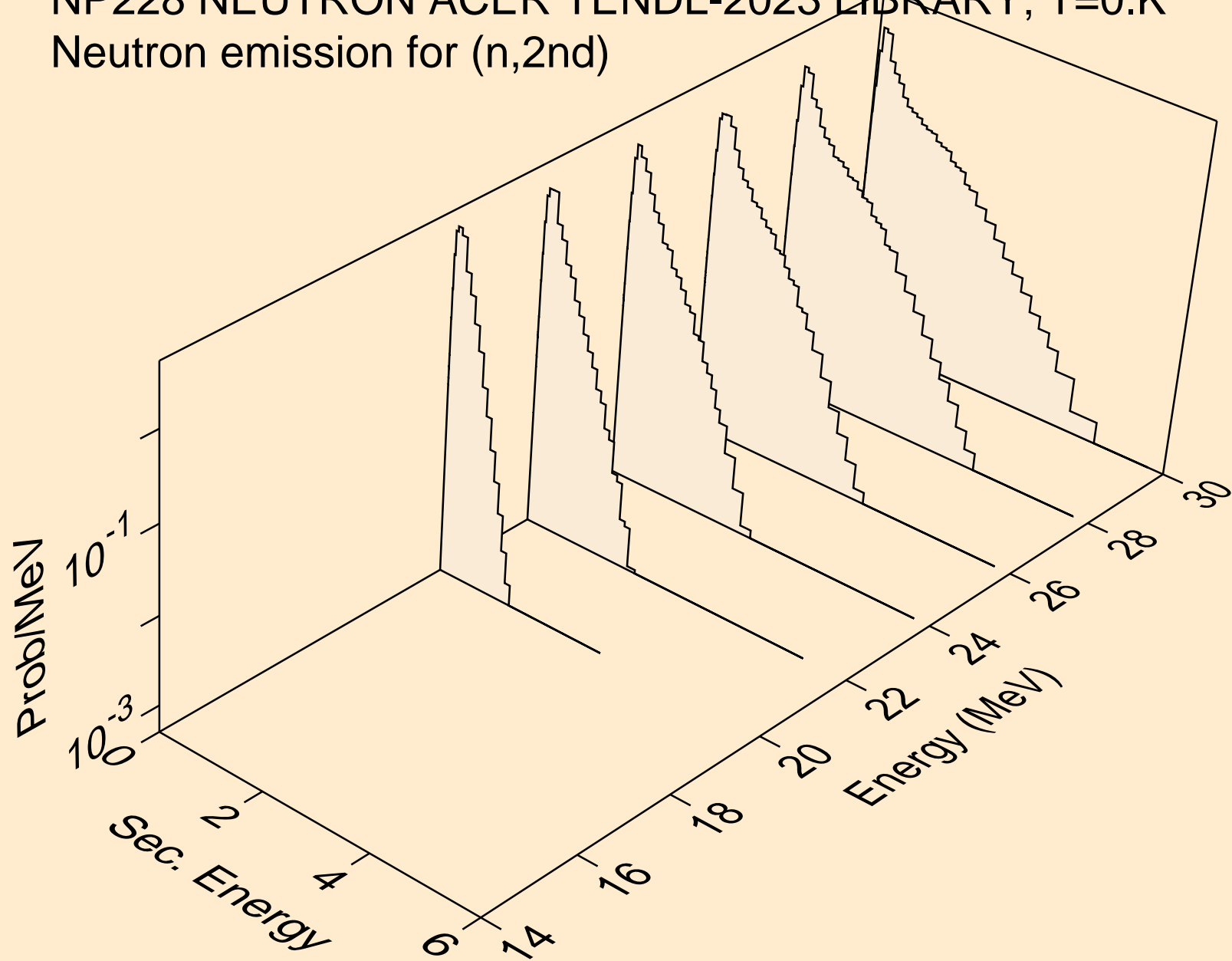
Total fission nubar



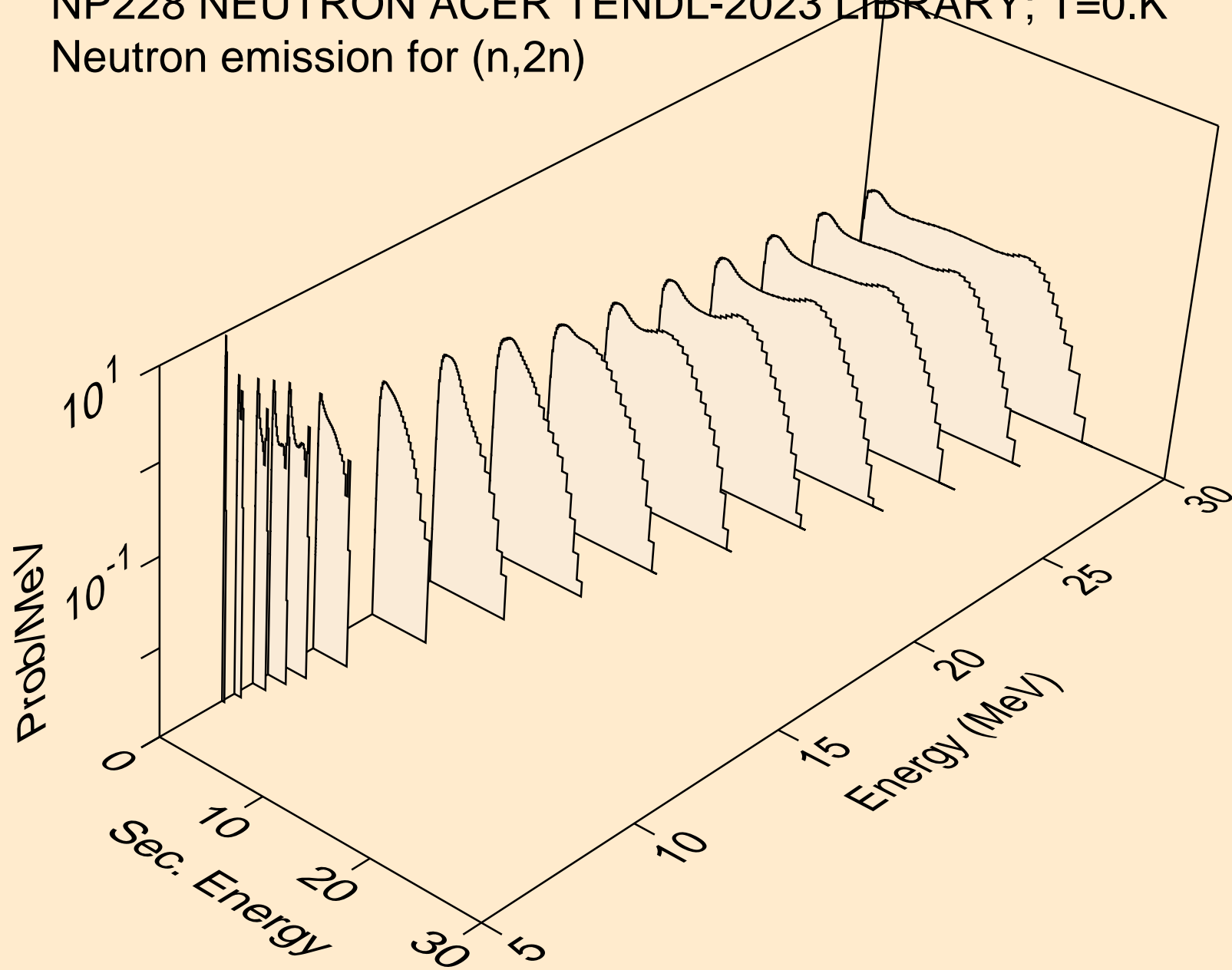
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



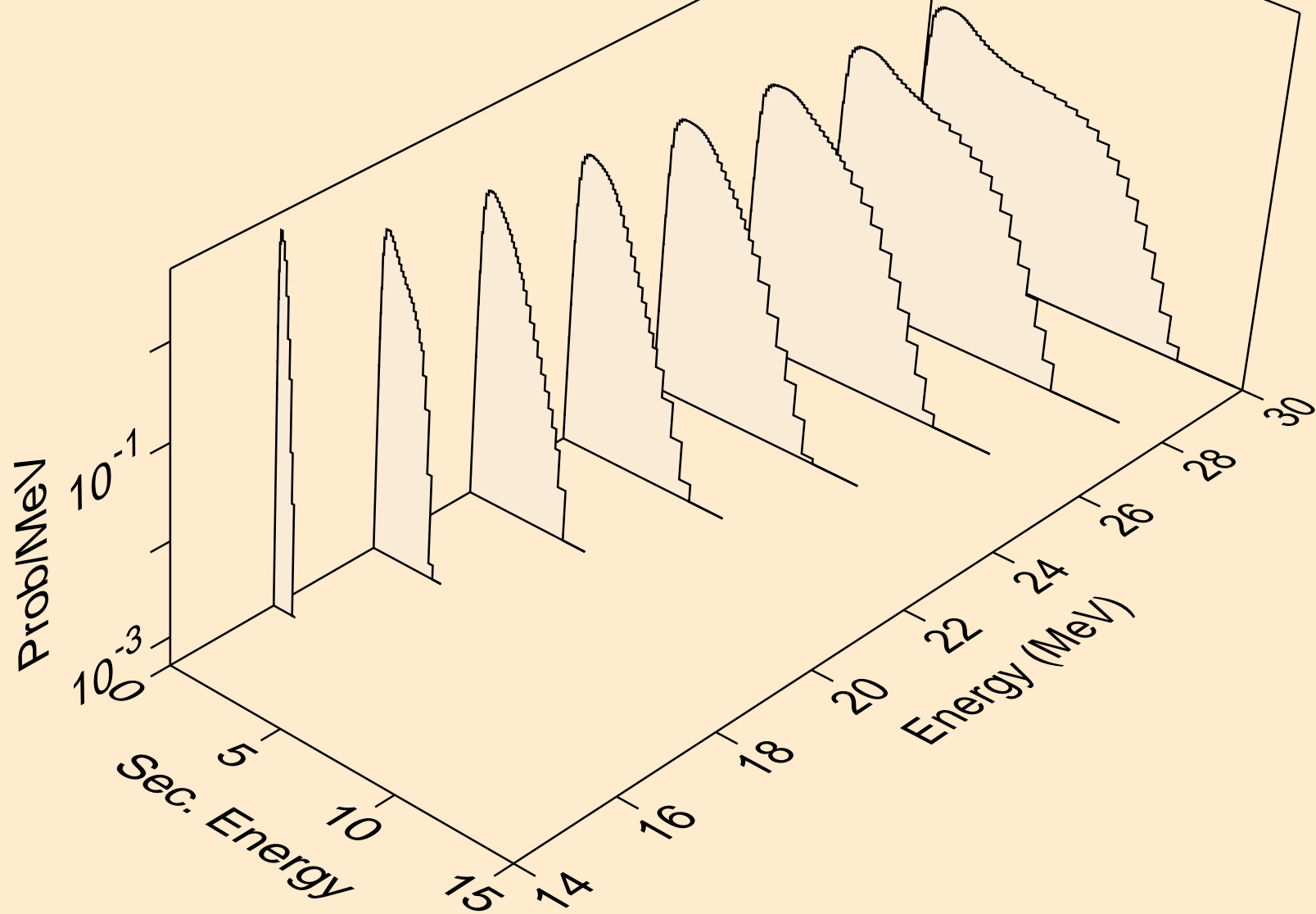
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



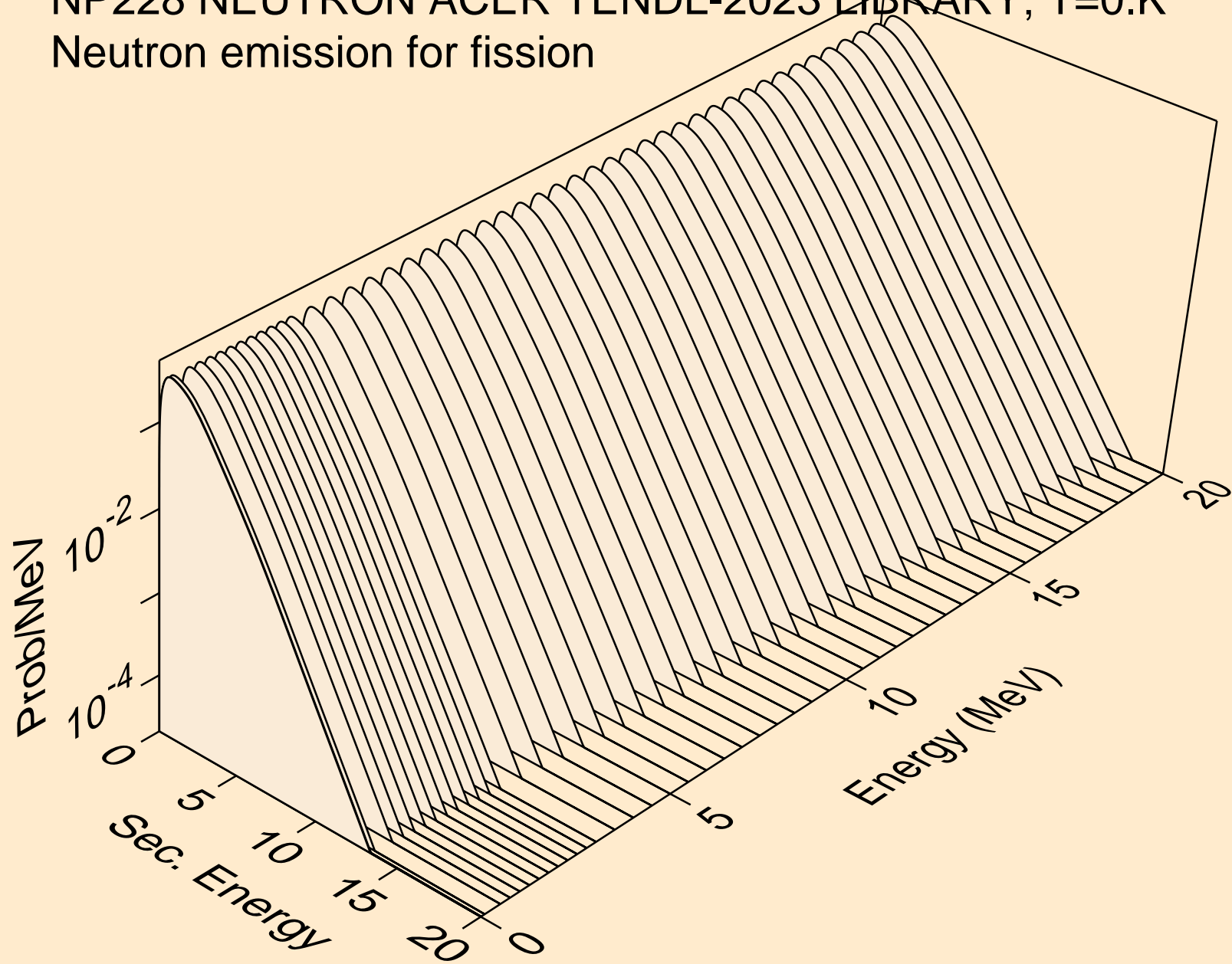
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



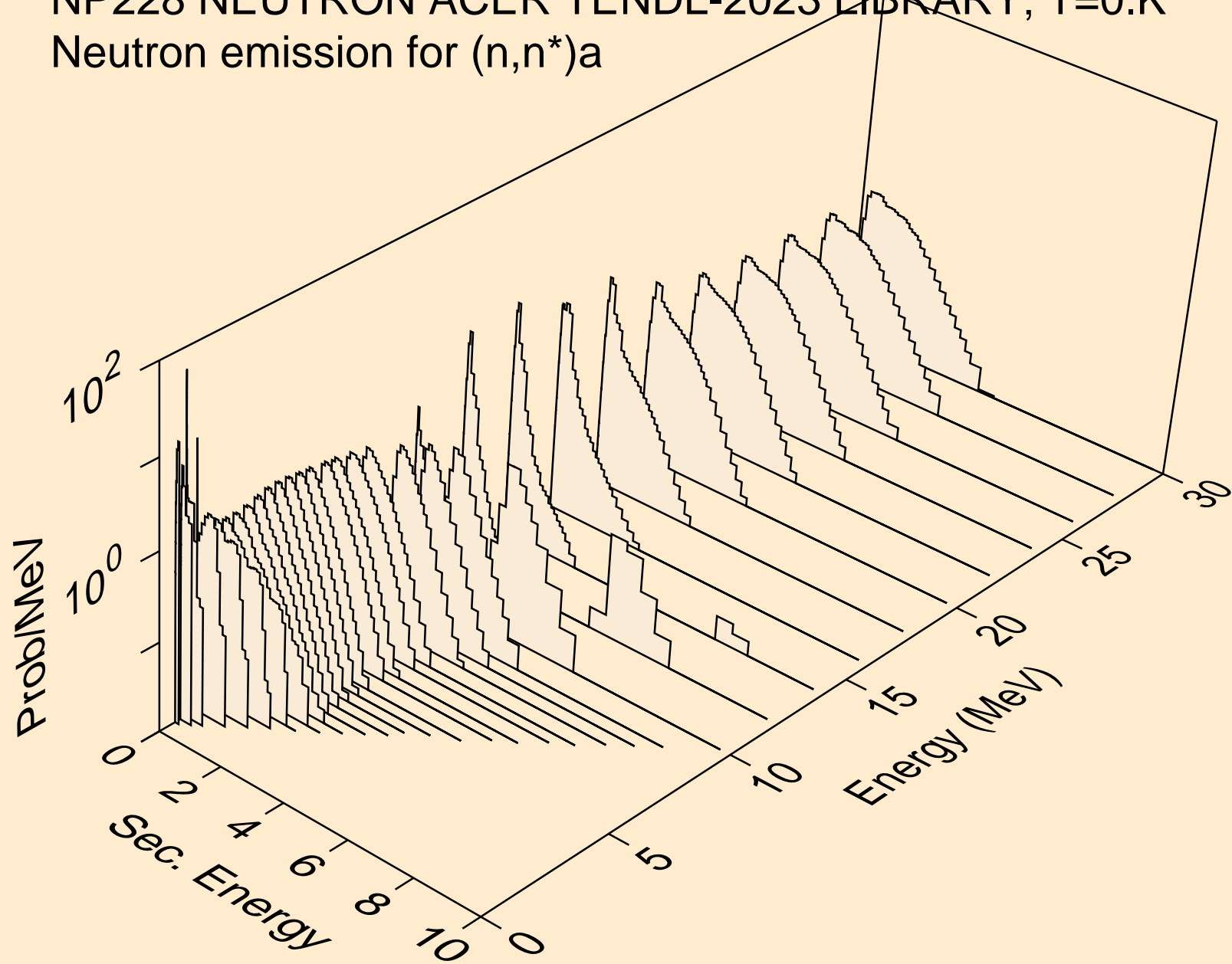
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



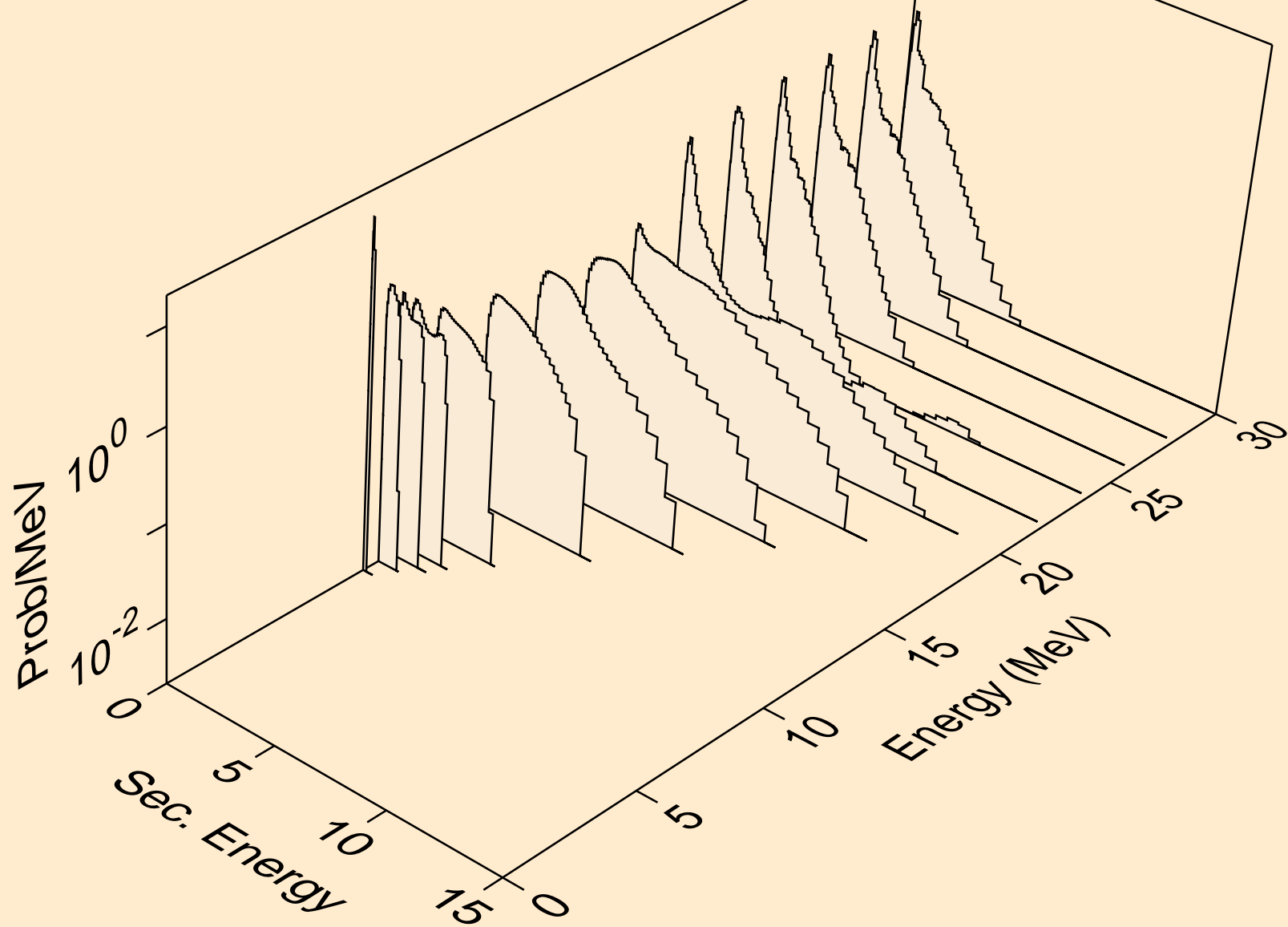
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for fission



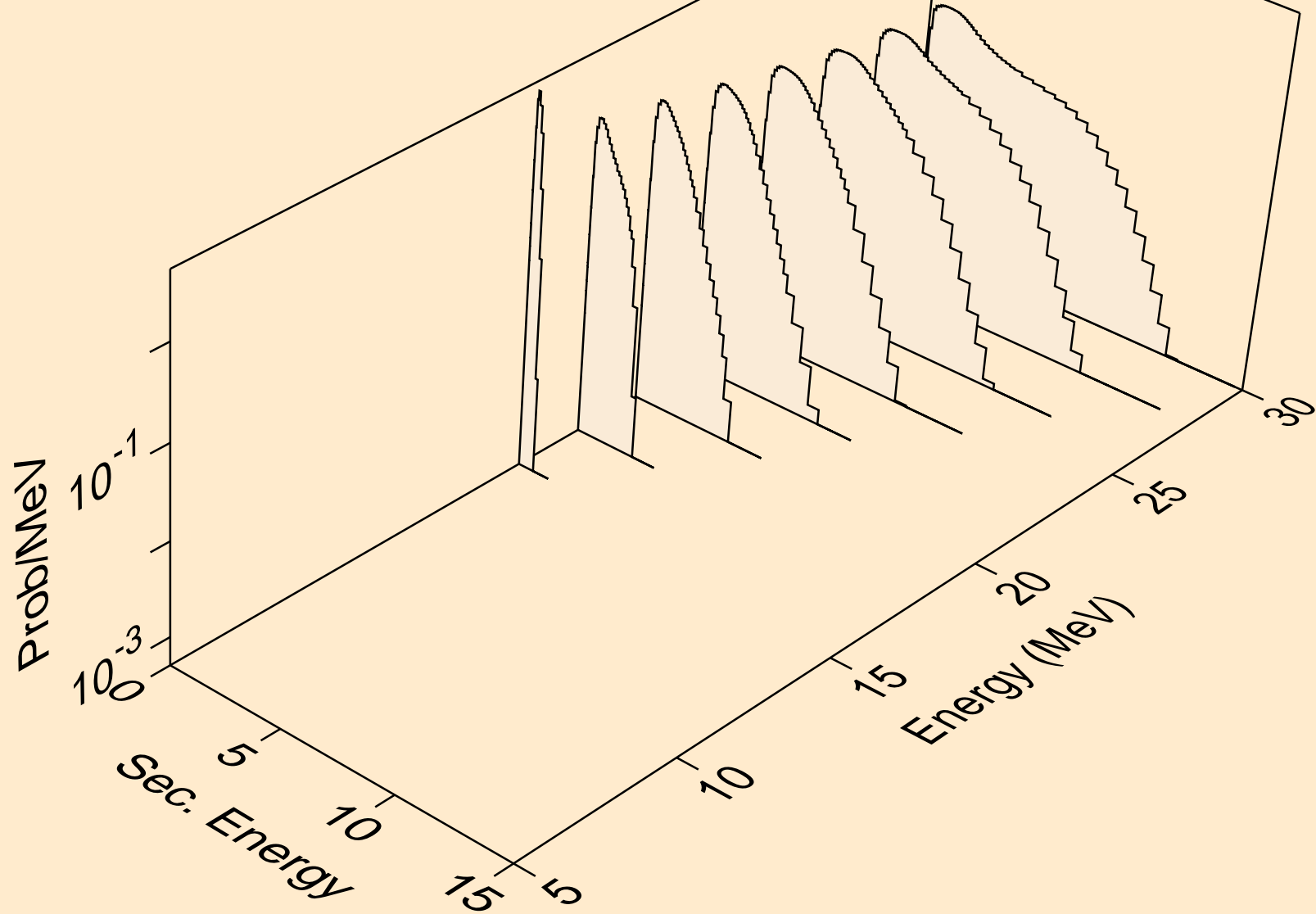
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



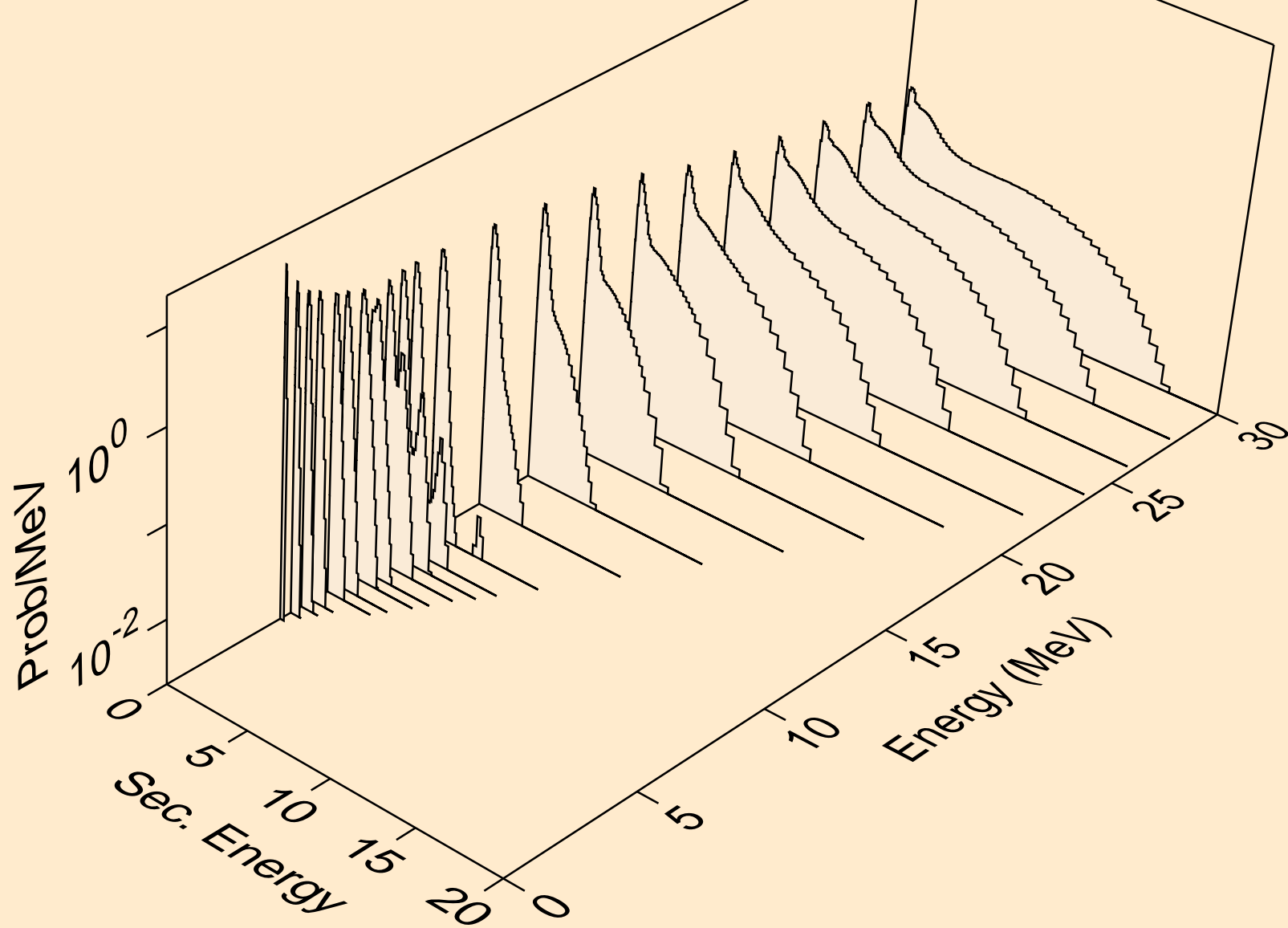
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



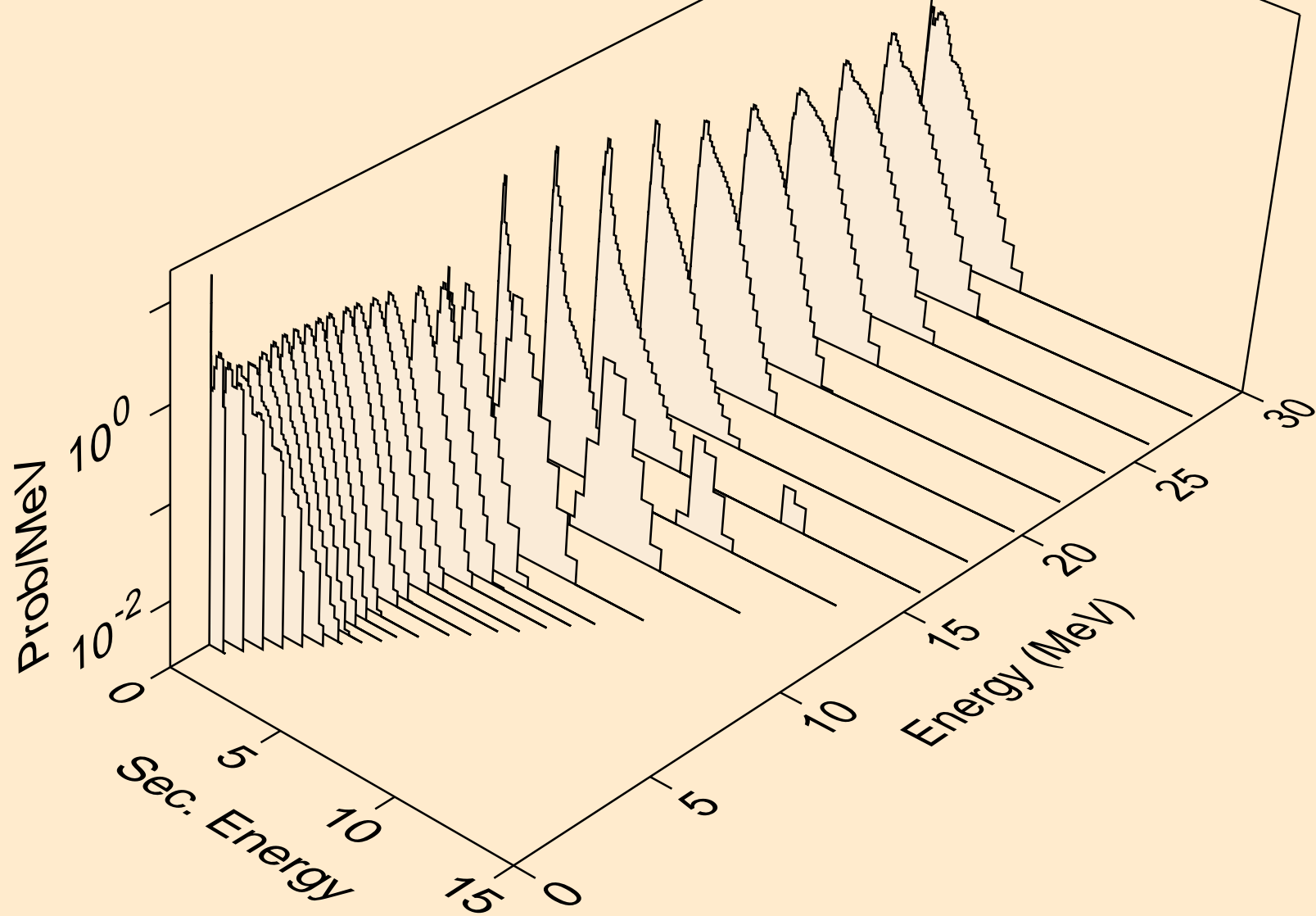
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Neutron emission for (n,3n)a



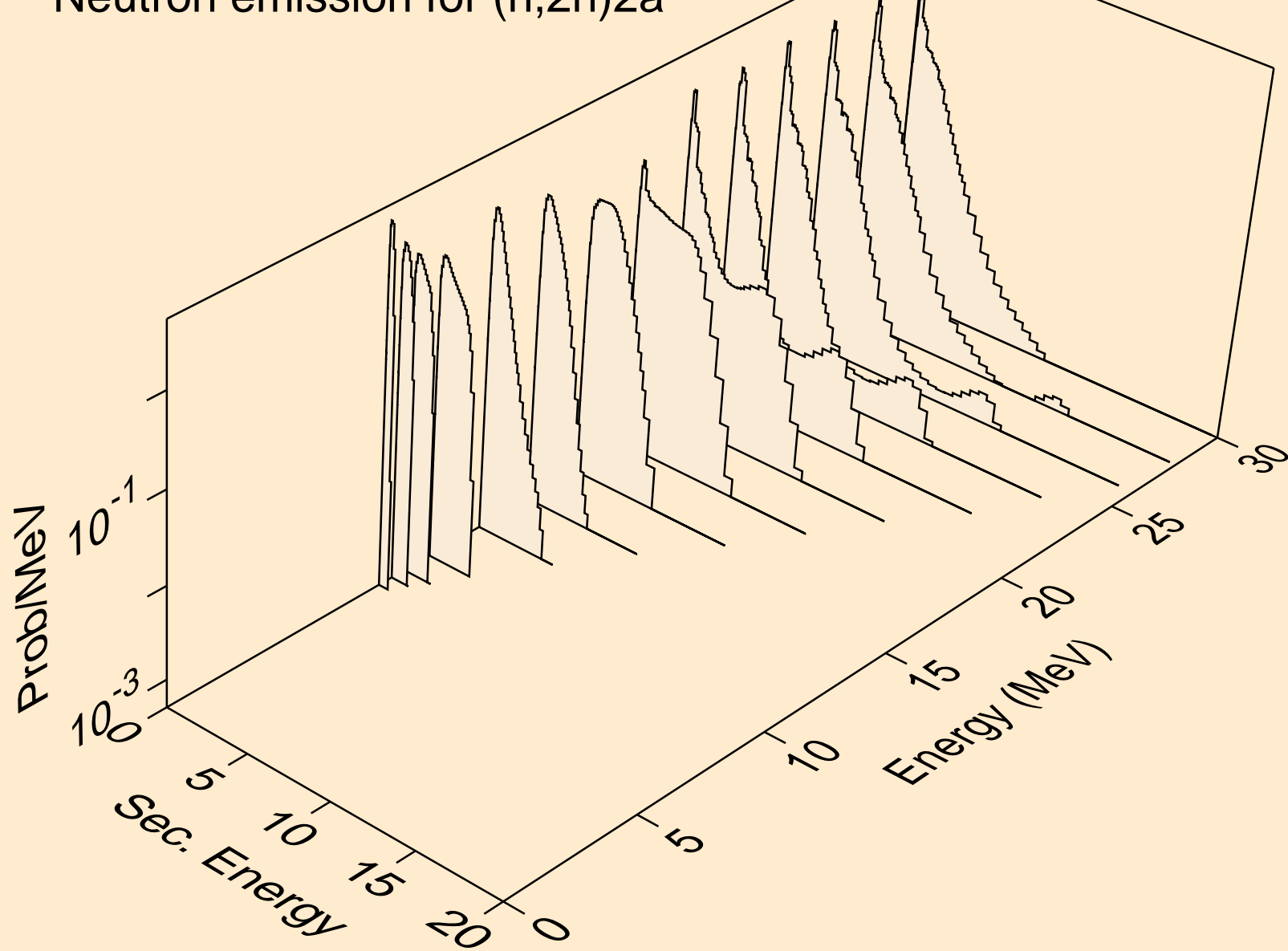
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



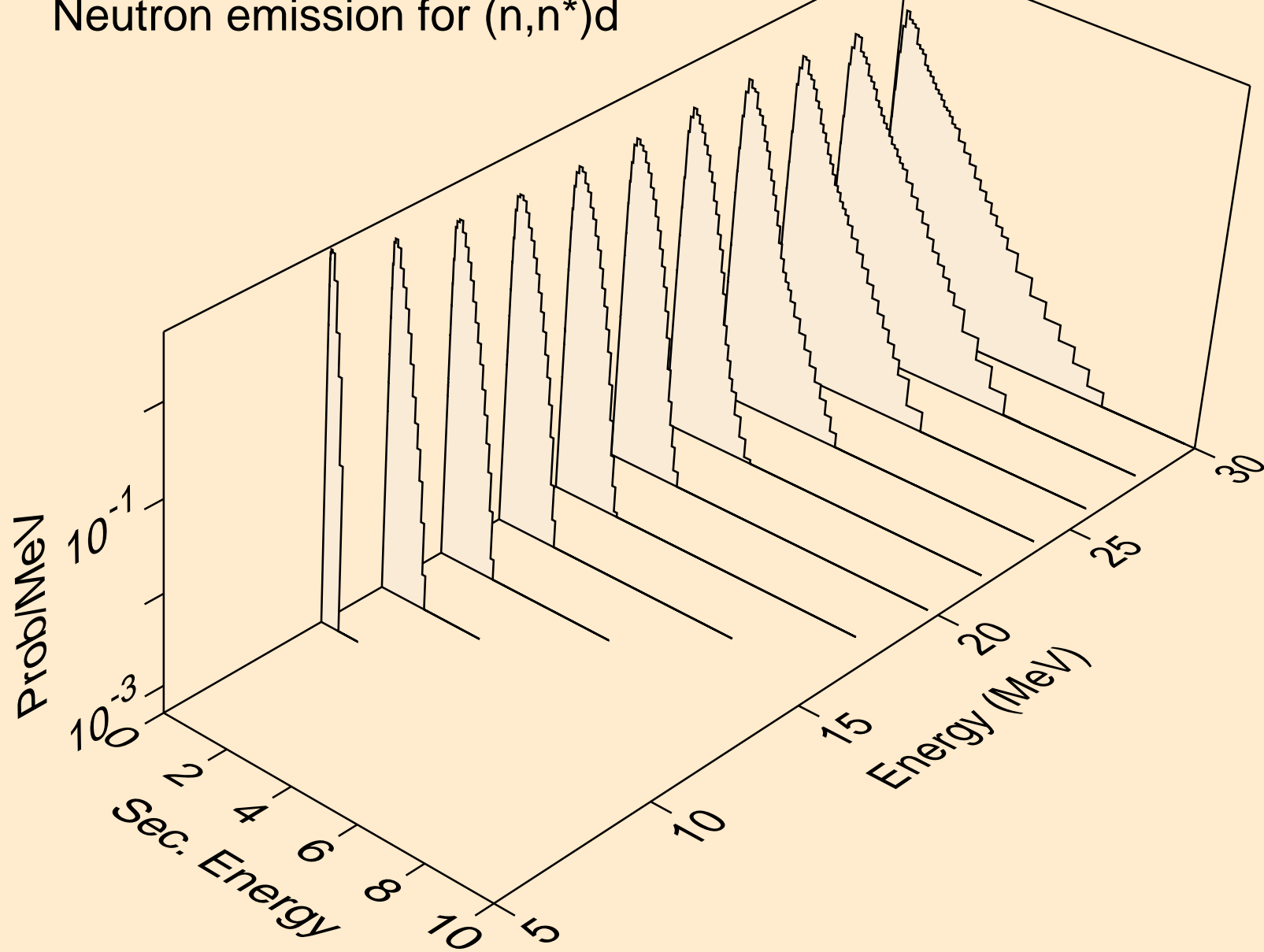
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



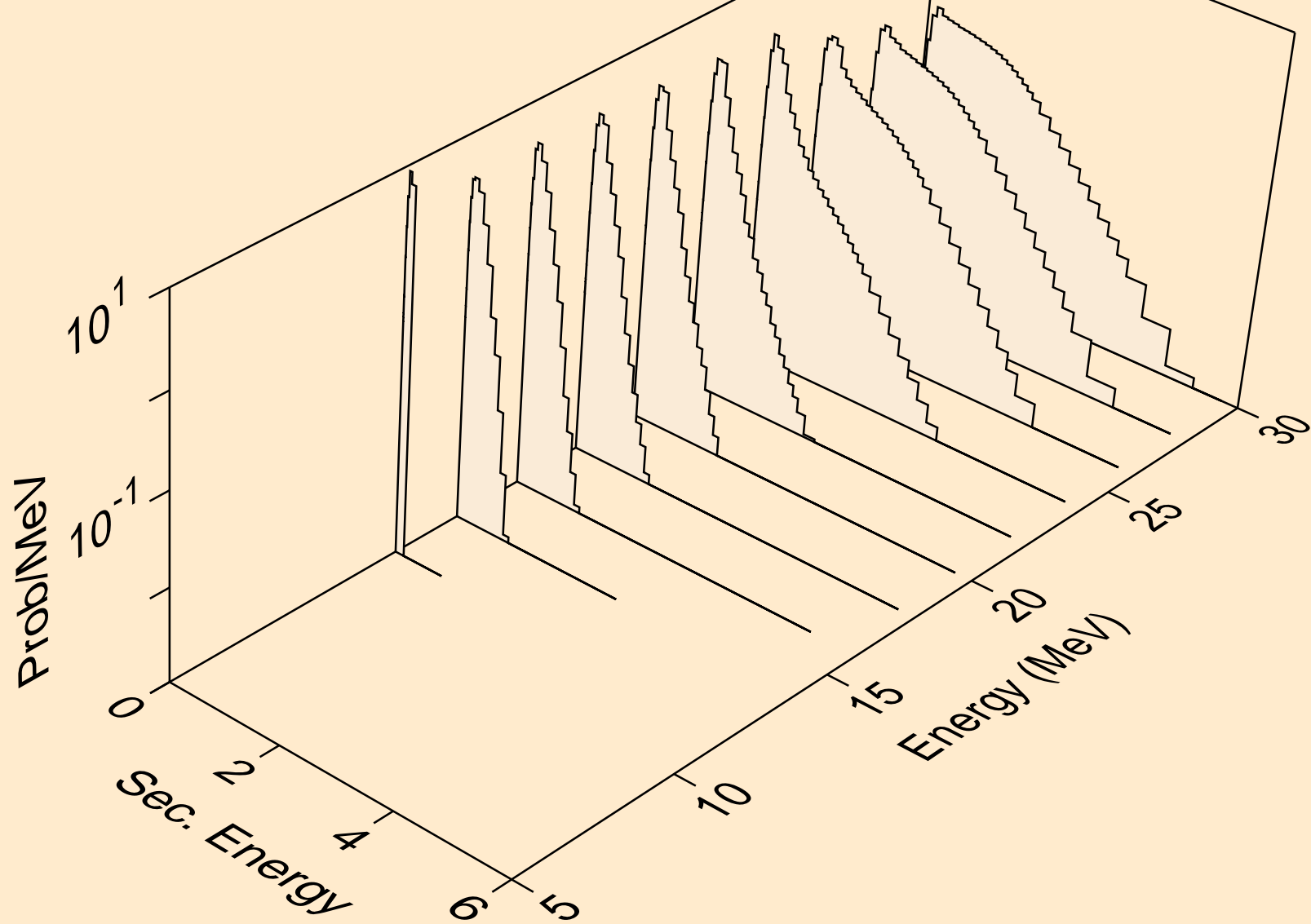
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



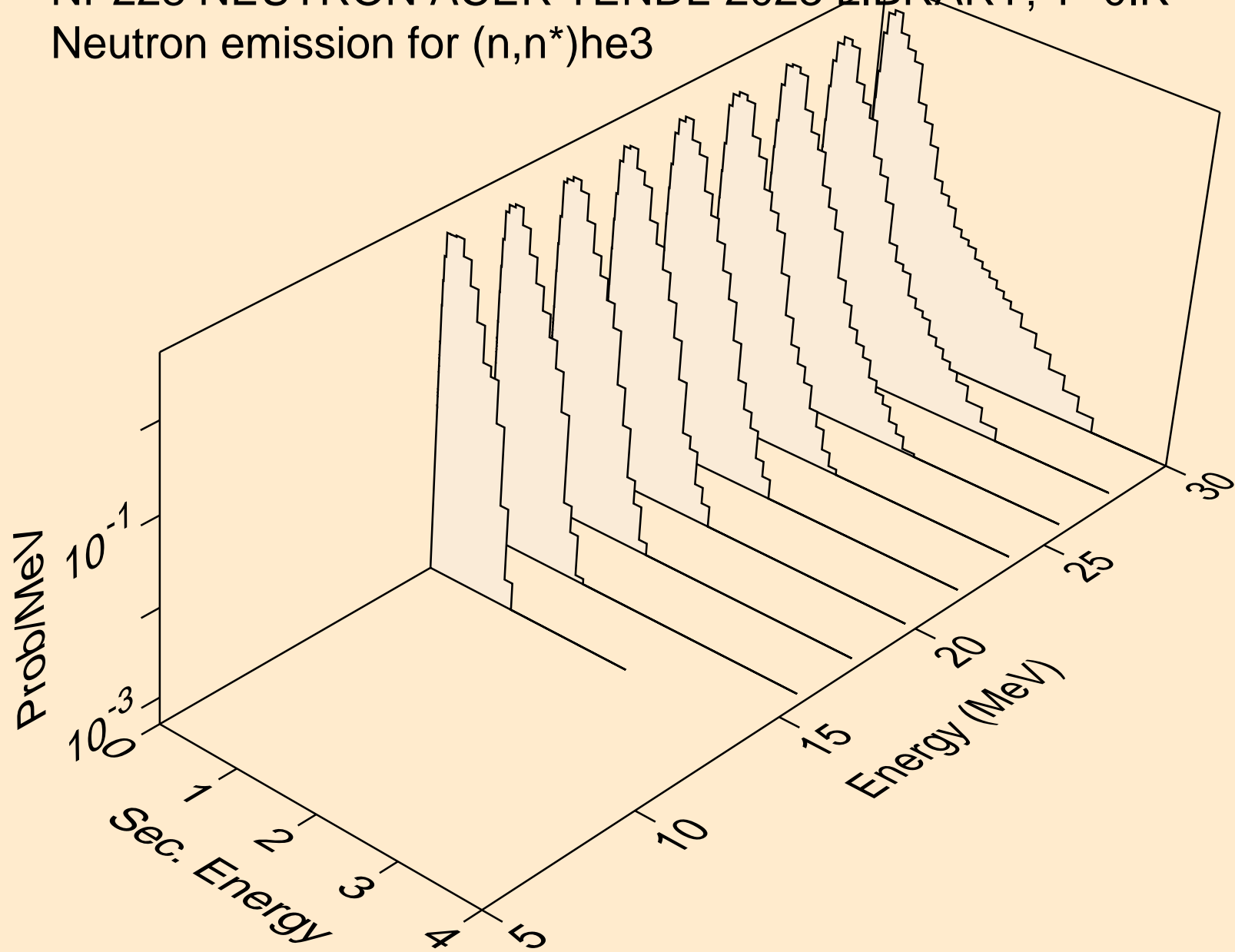
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



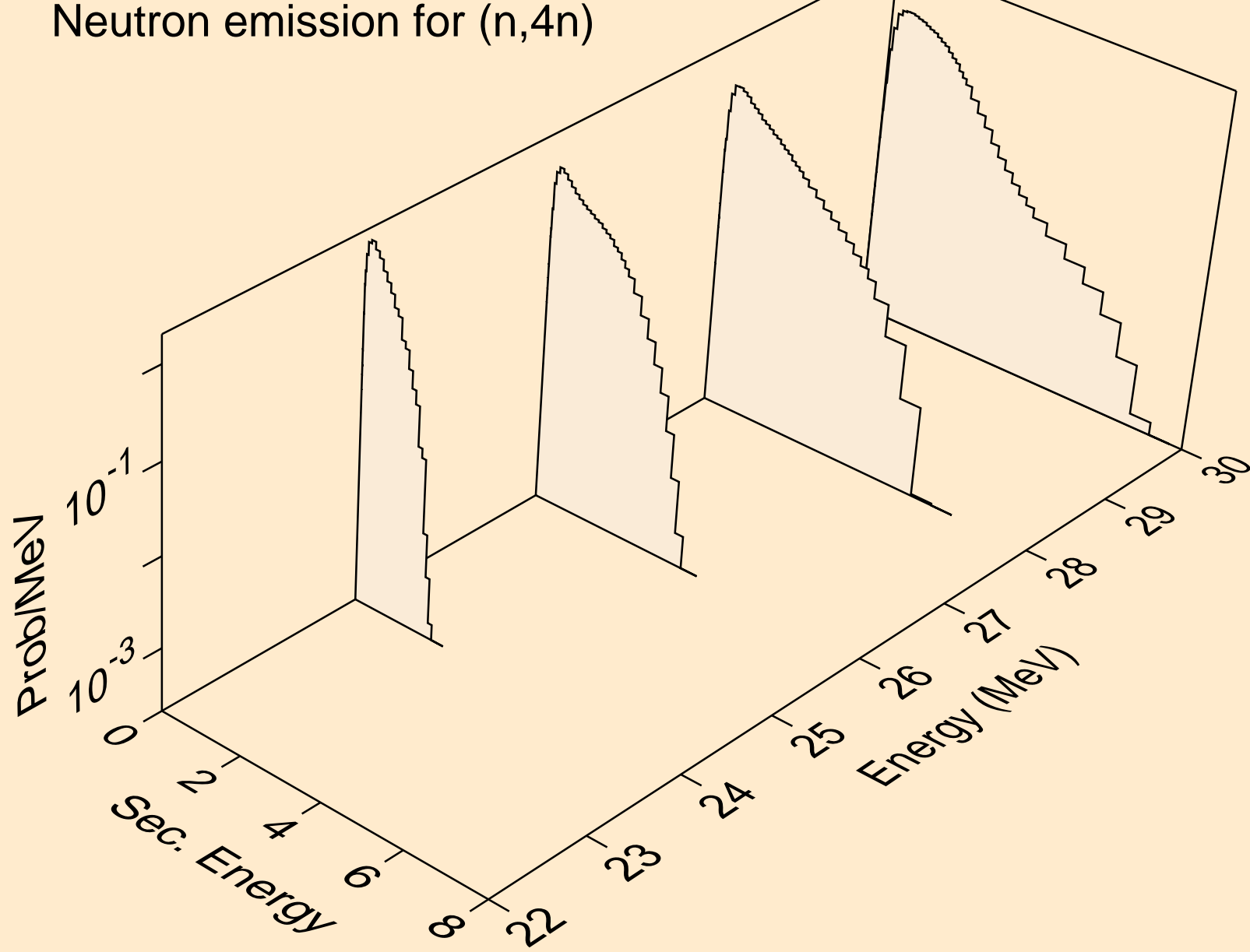
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



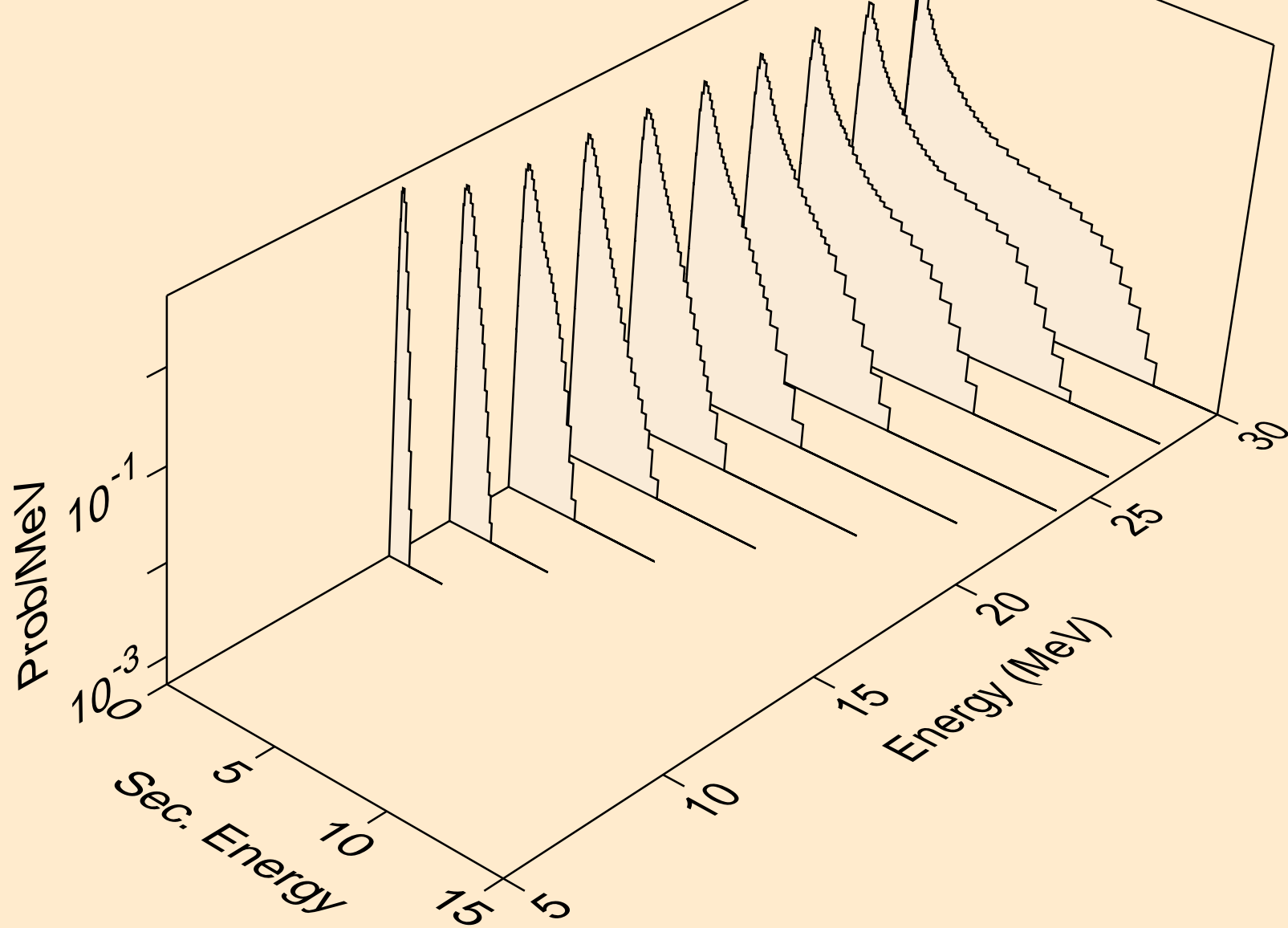
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



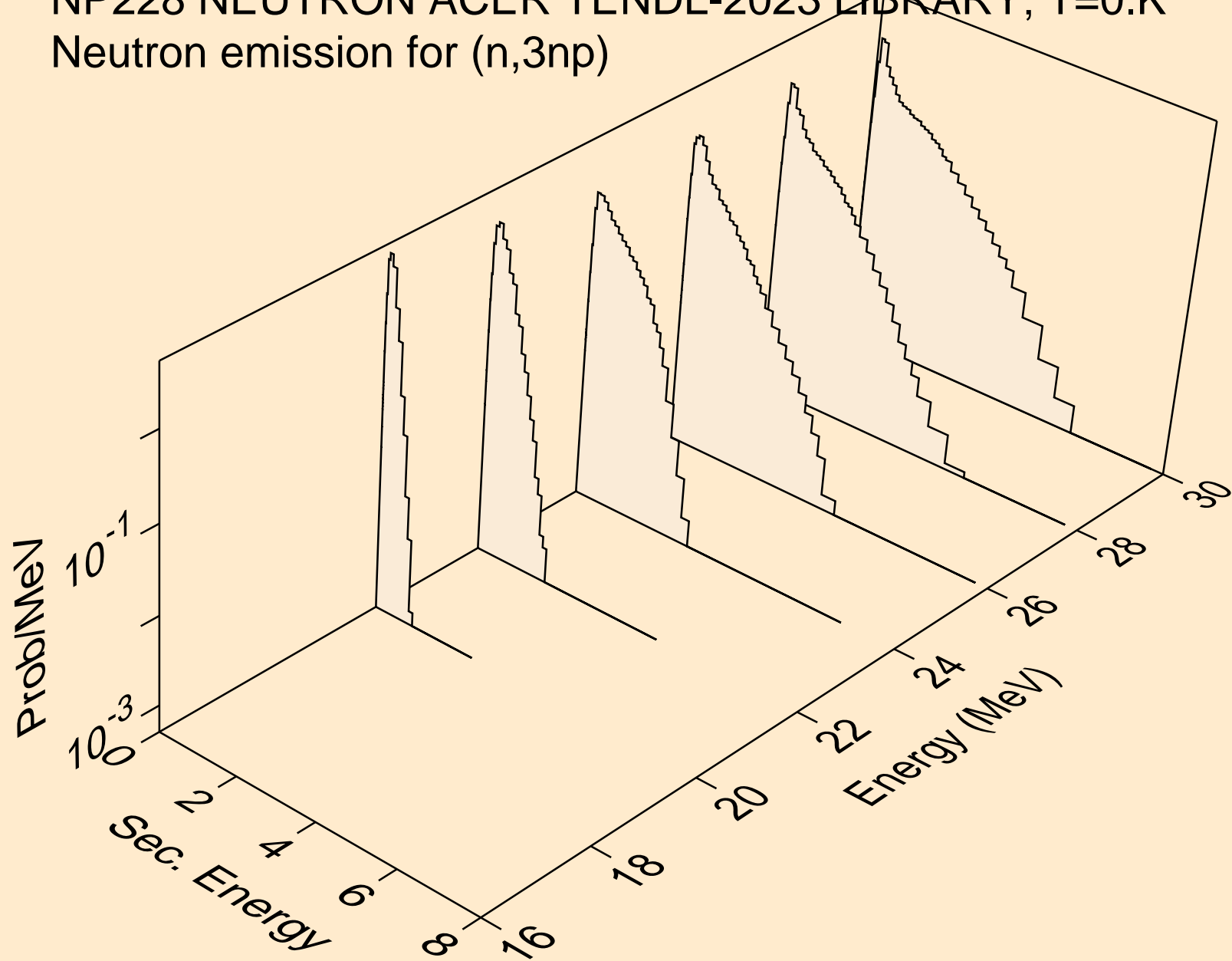
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



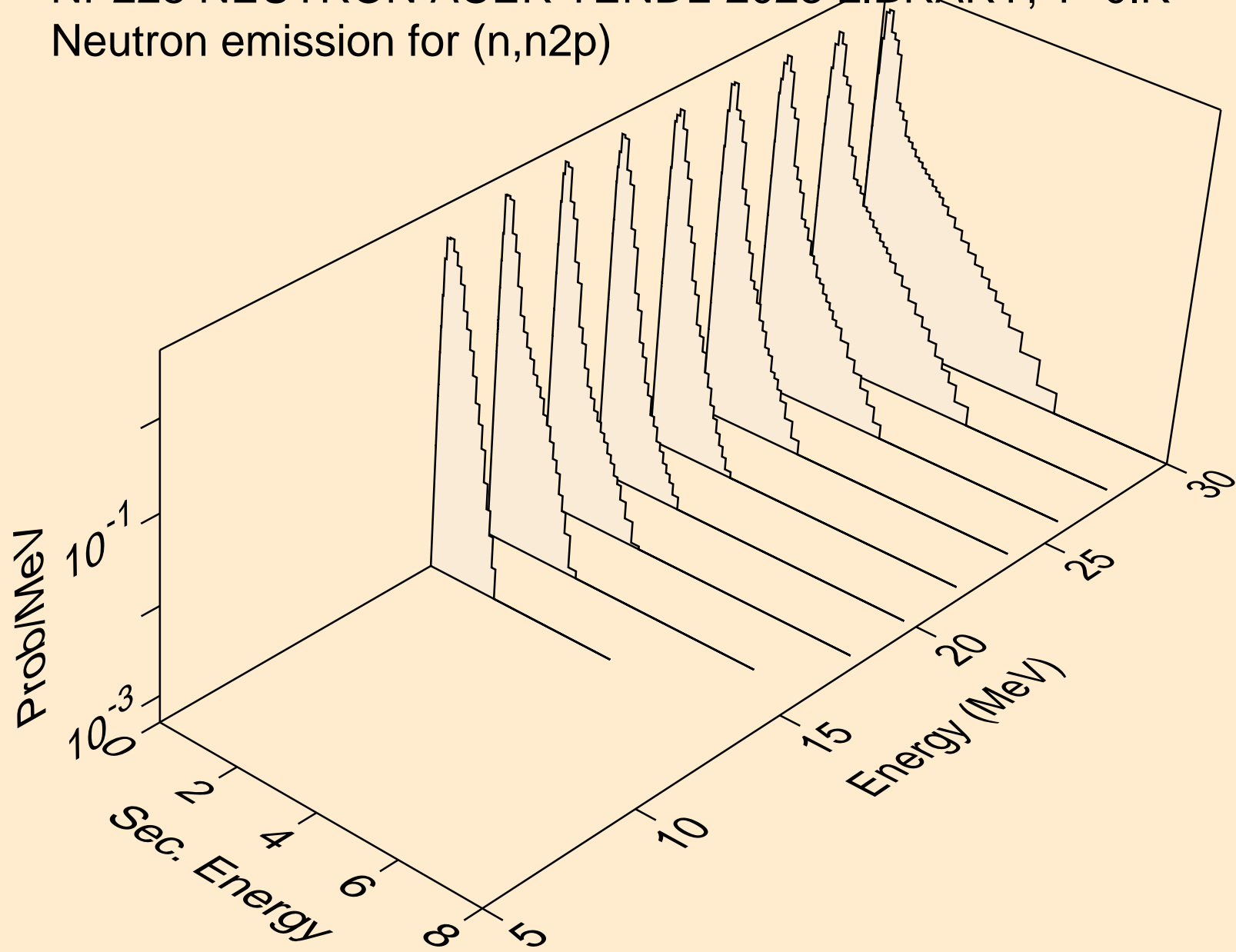
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



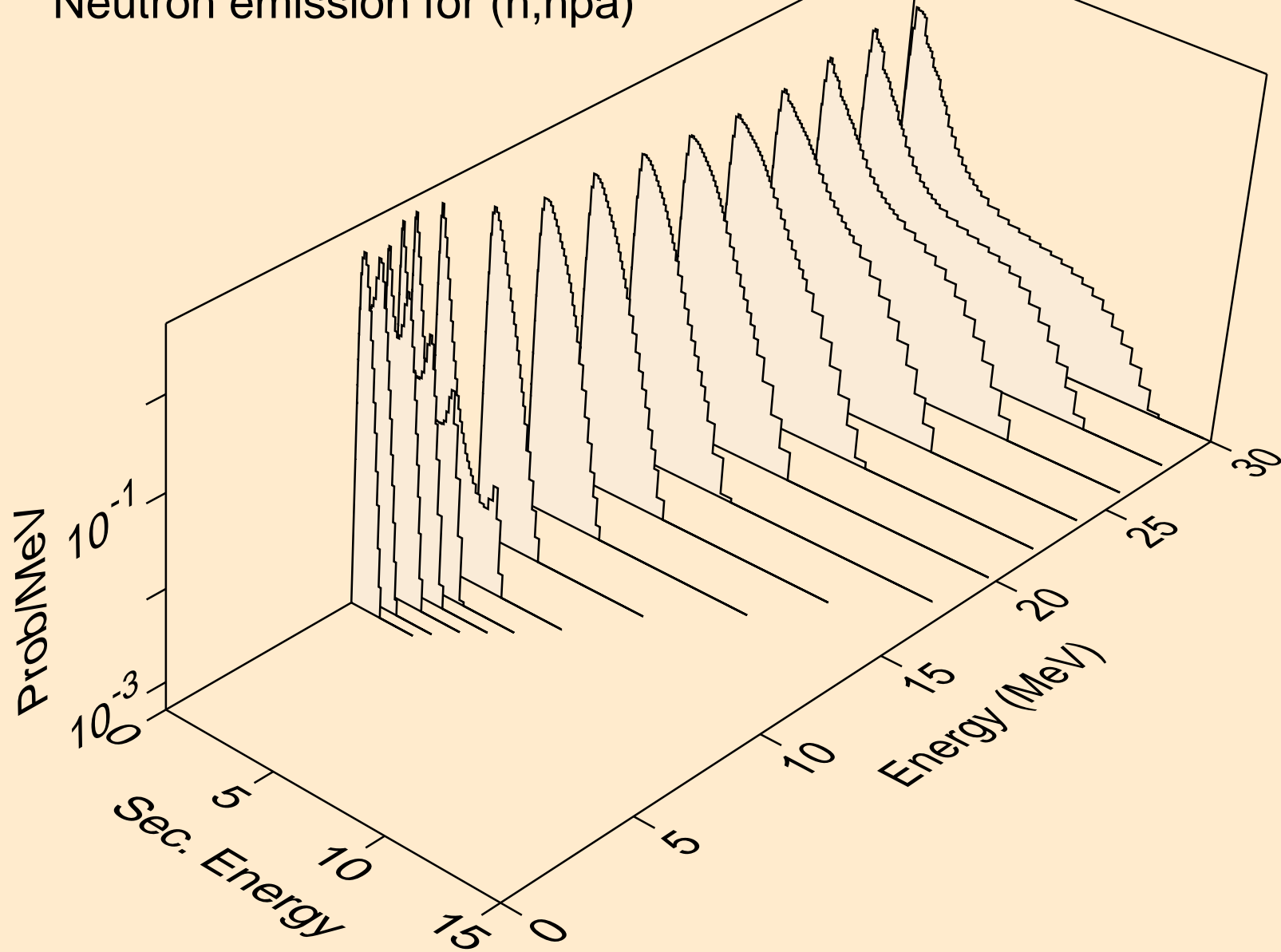
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



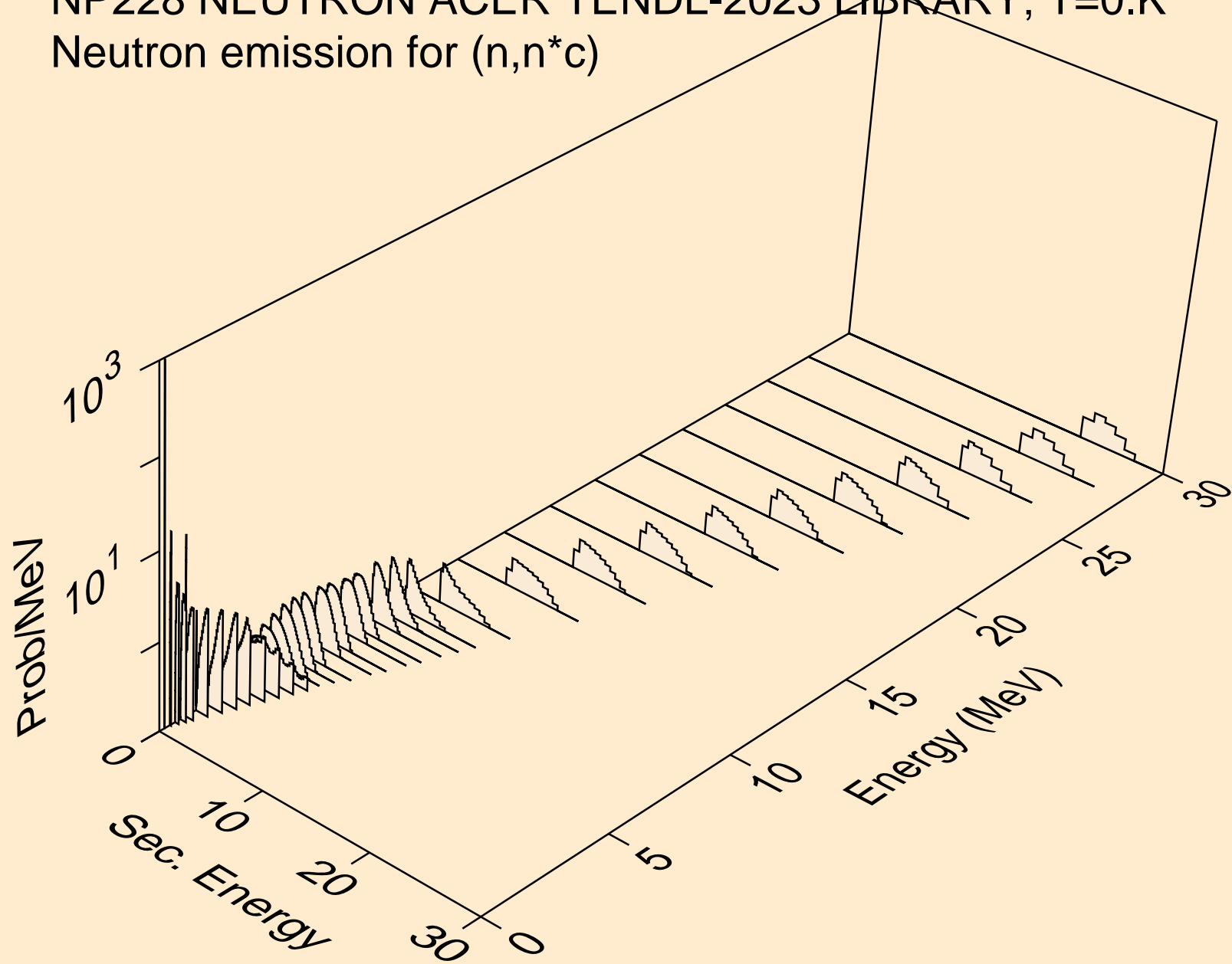
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)

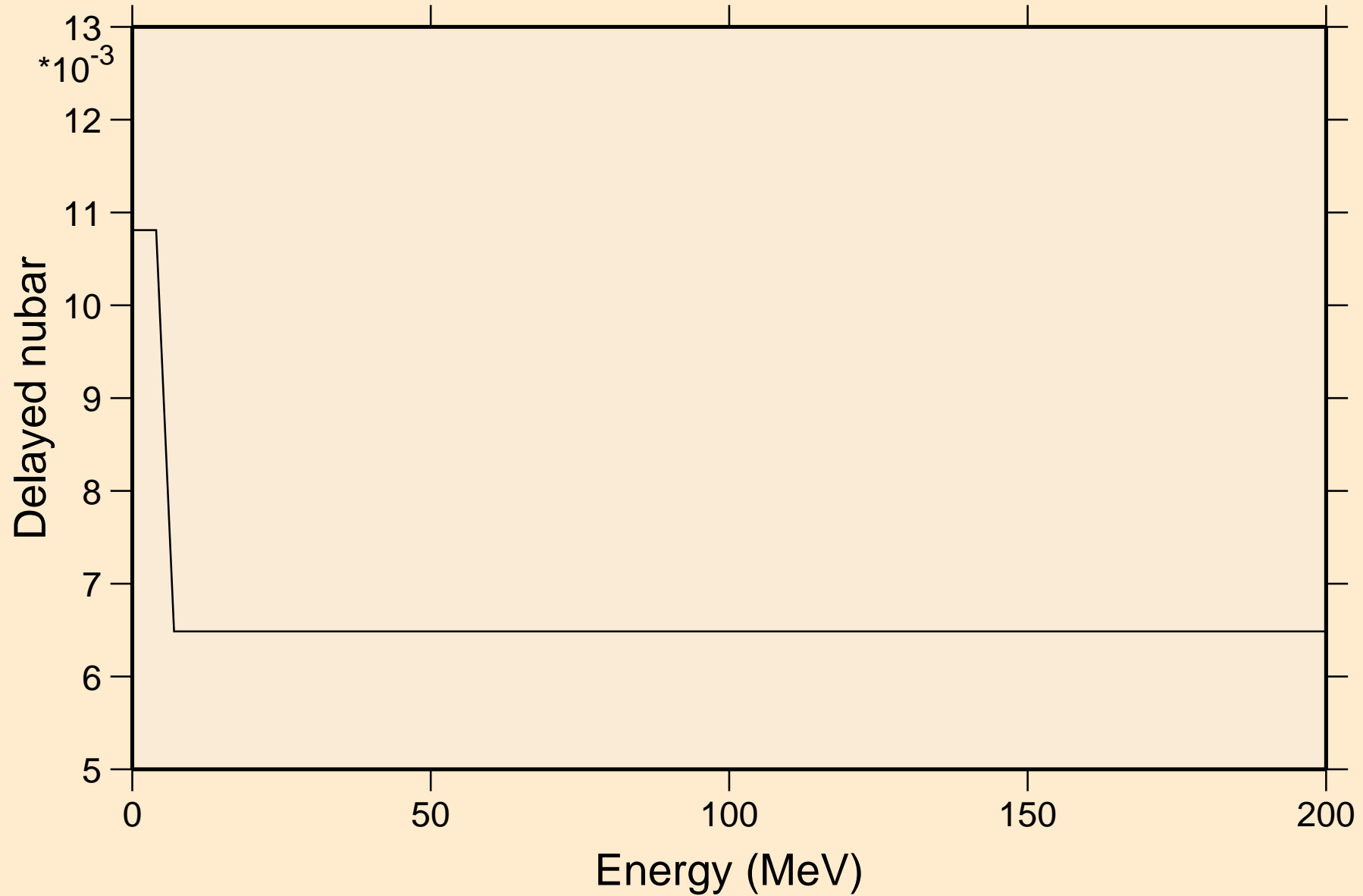


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



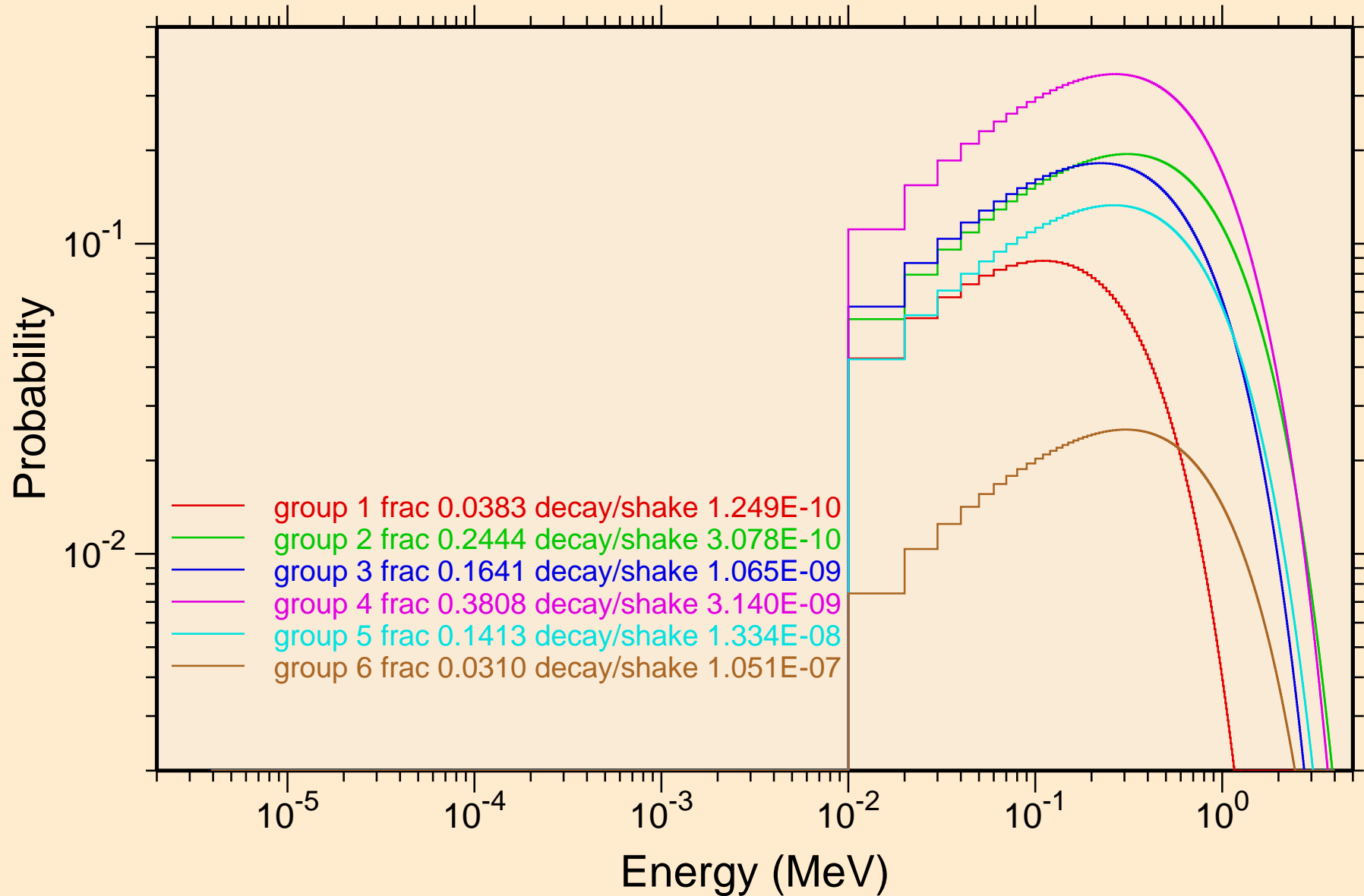
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Delayed nubar

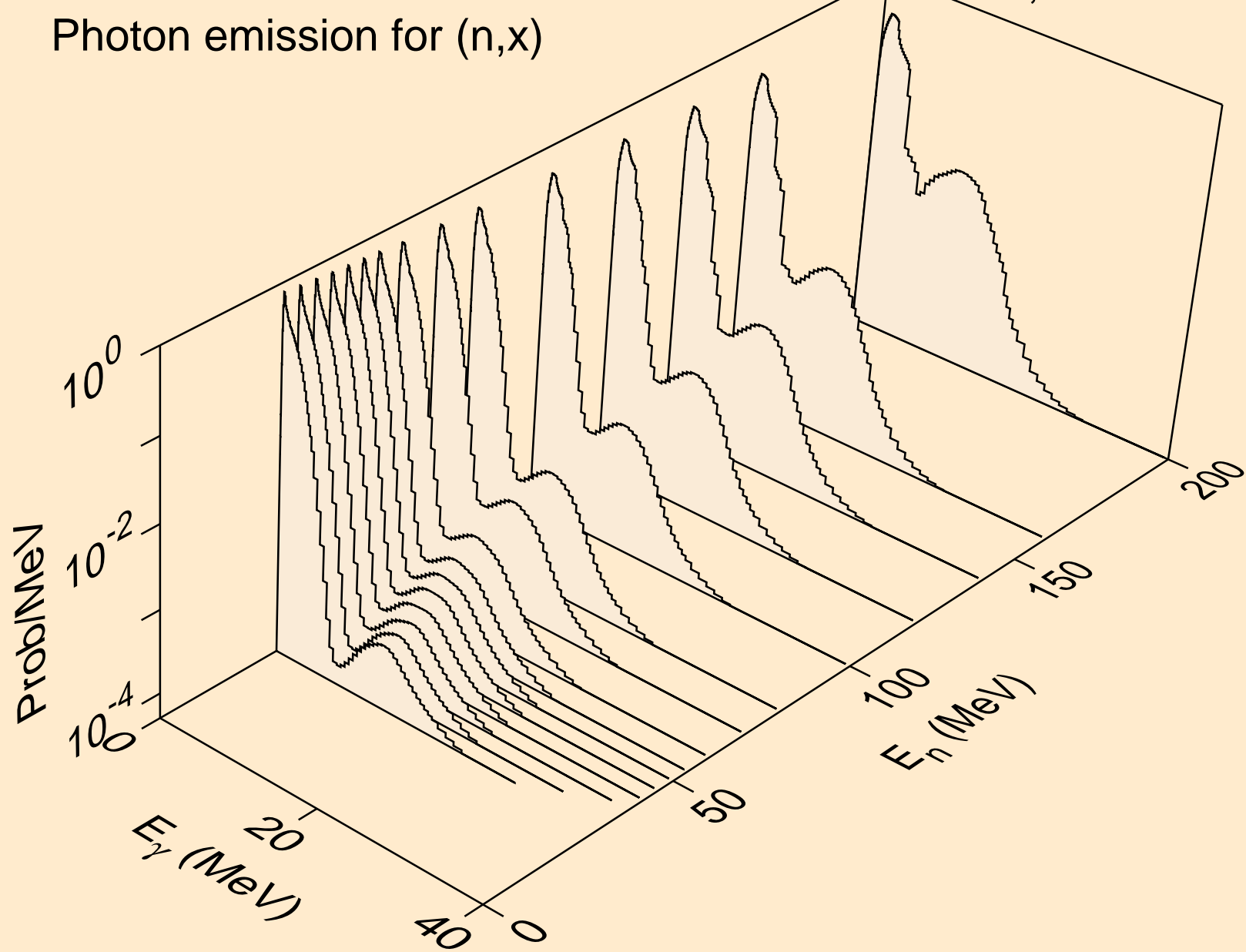


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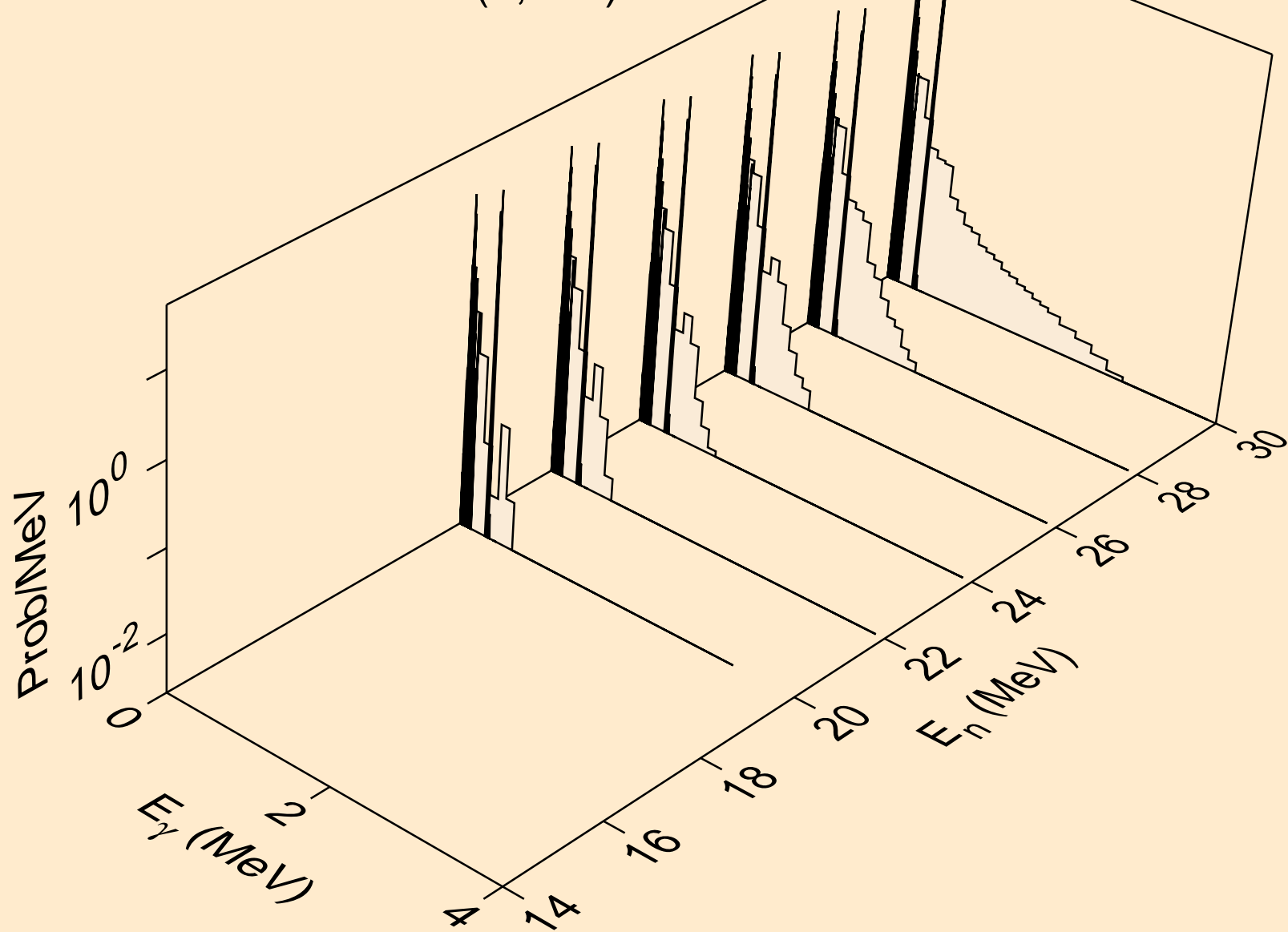
Delayed neutron spectra



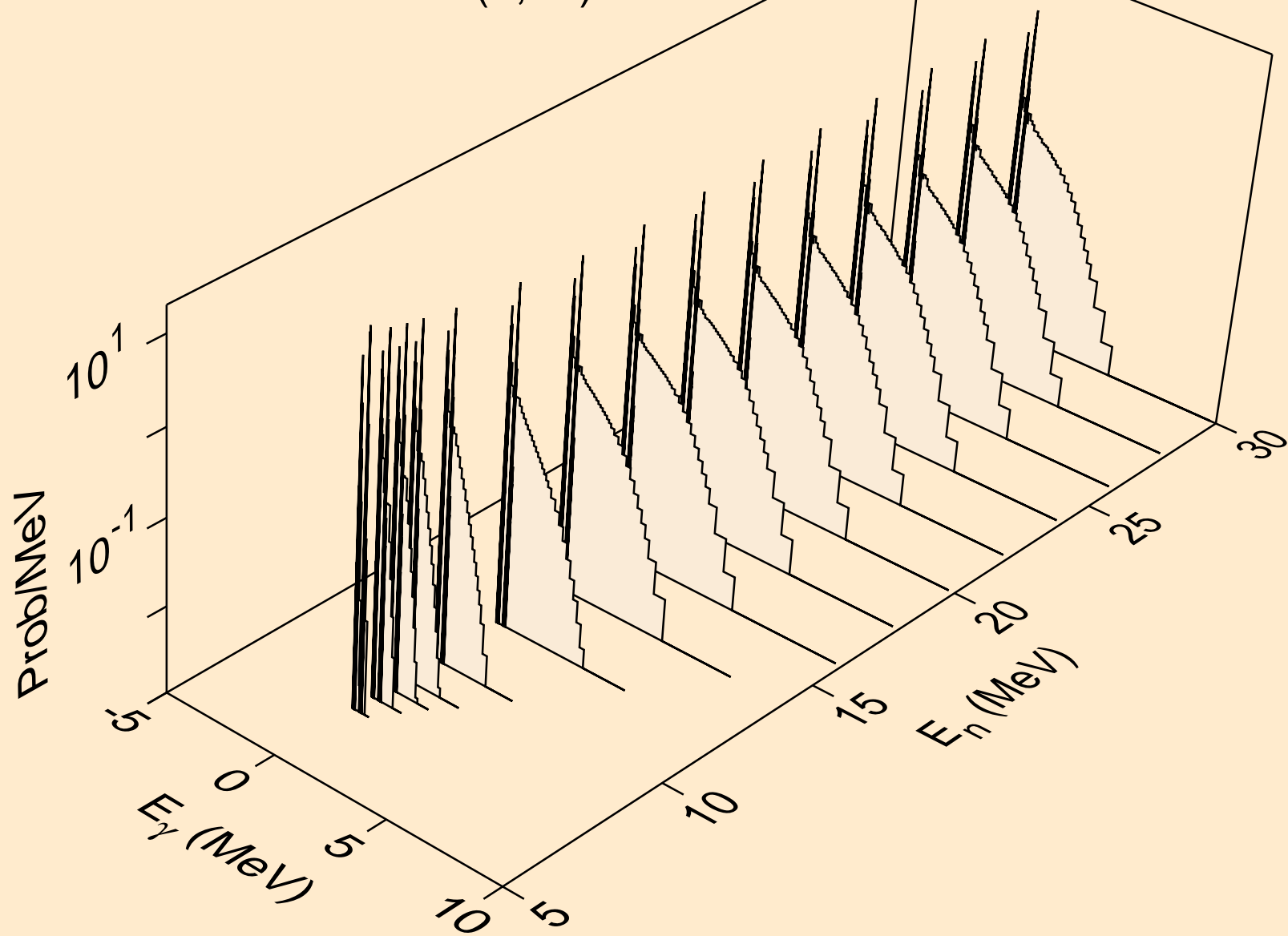
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



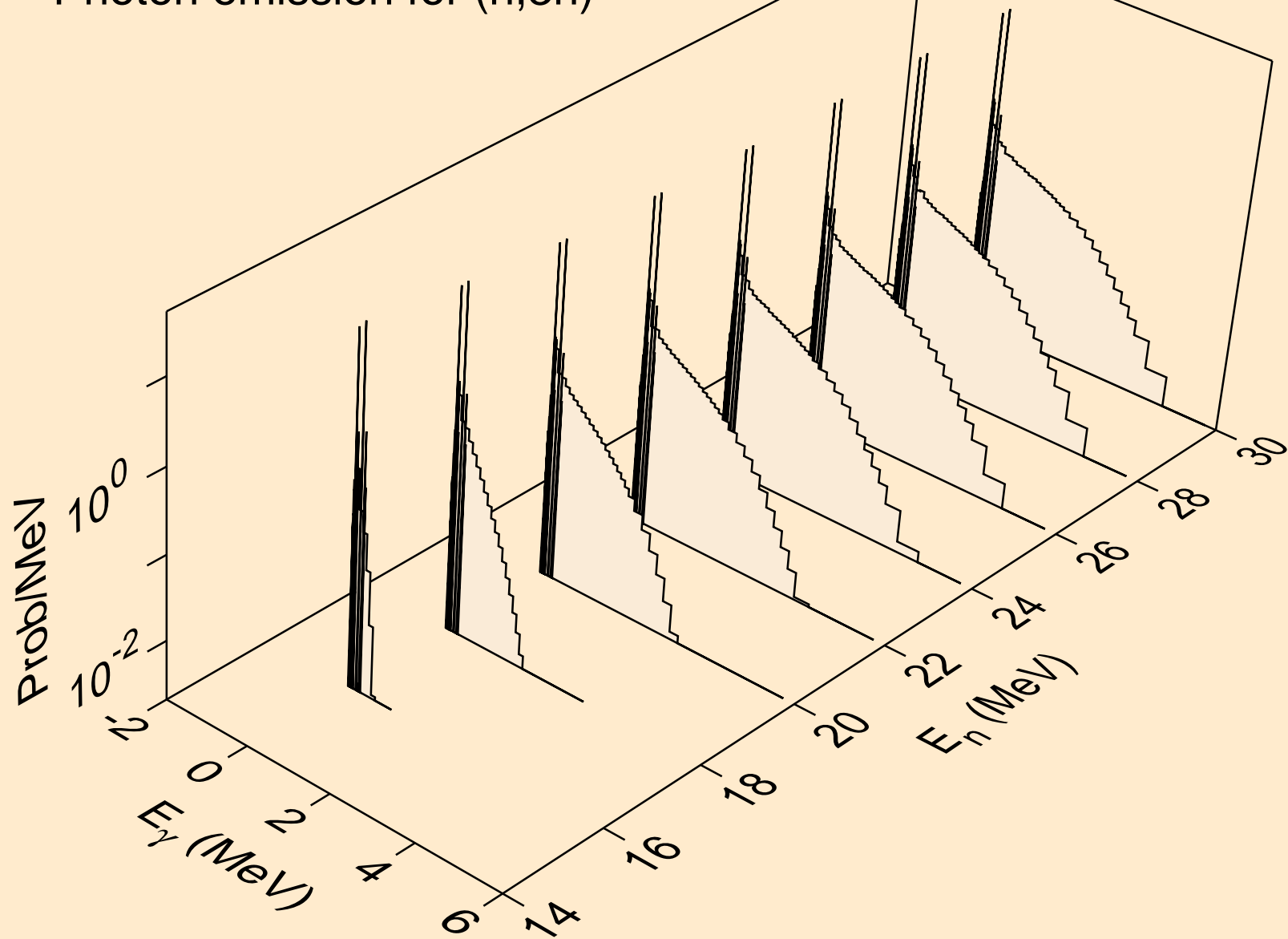
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



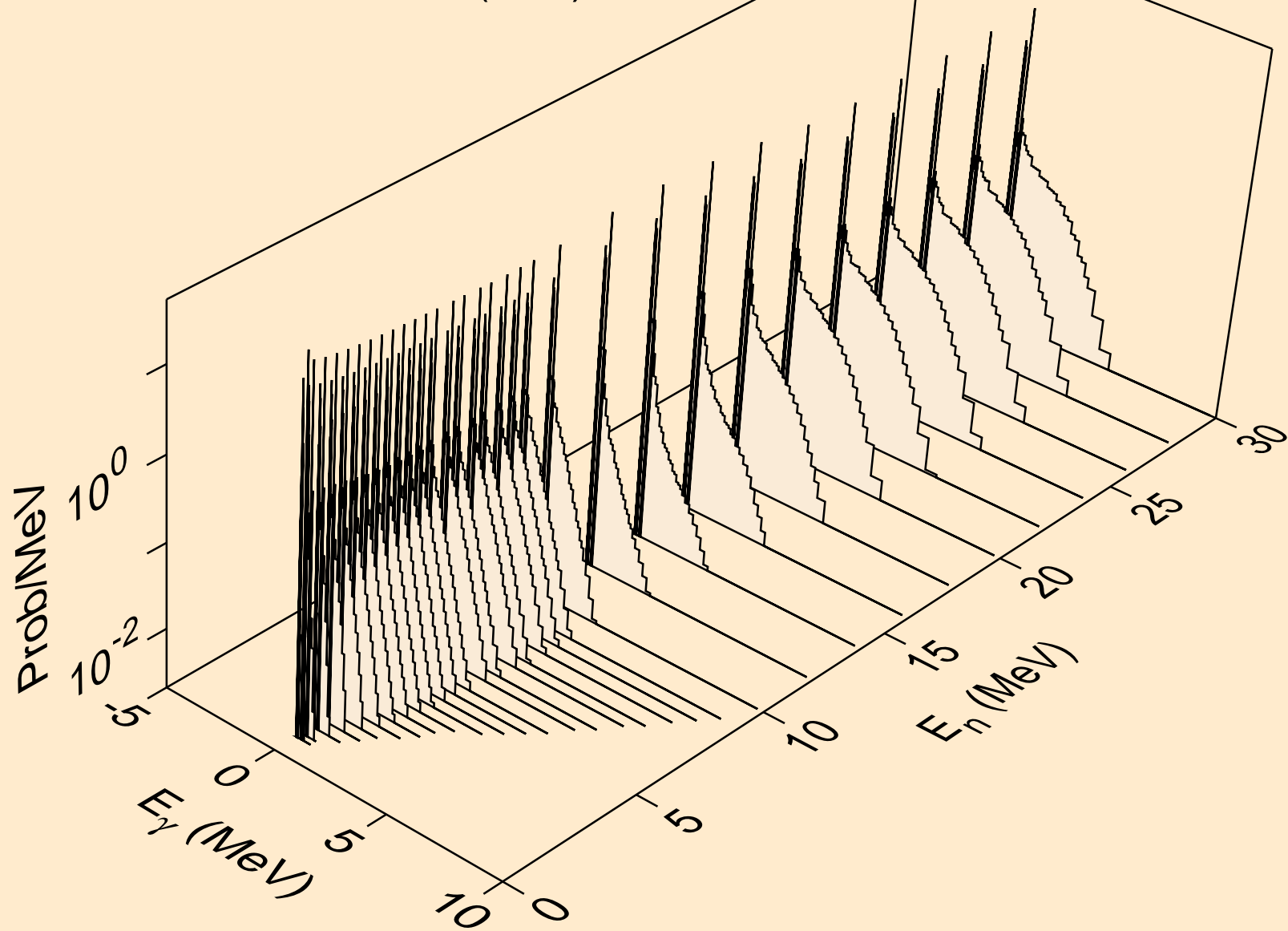
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Photon emission for (n,2n)



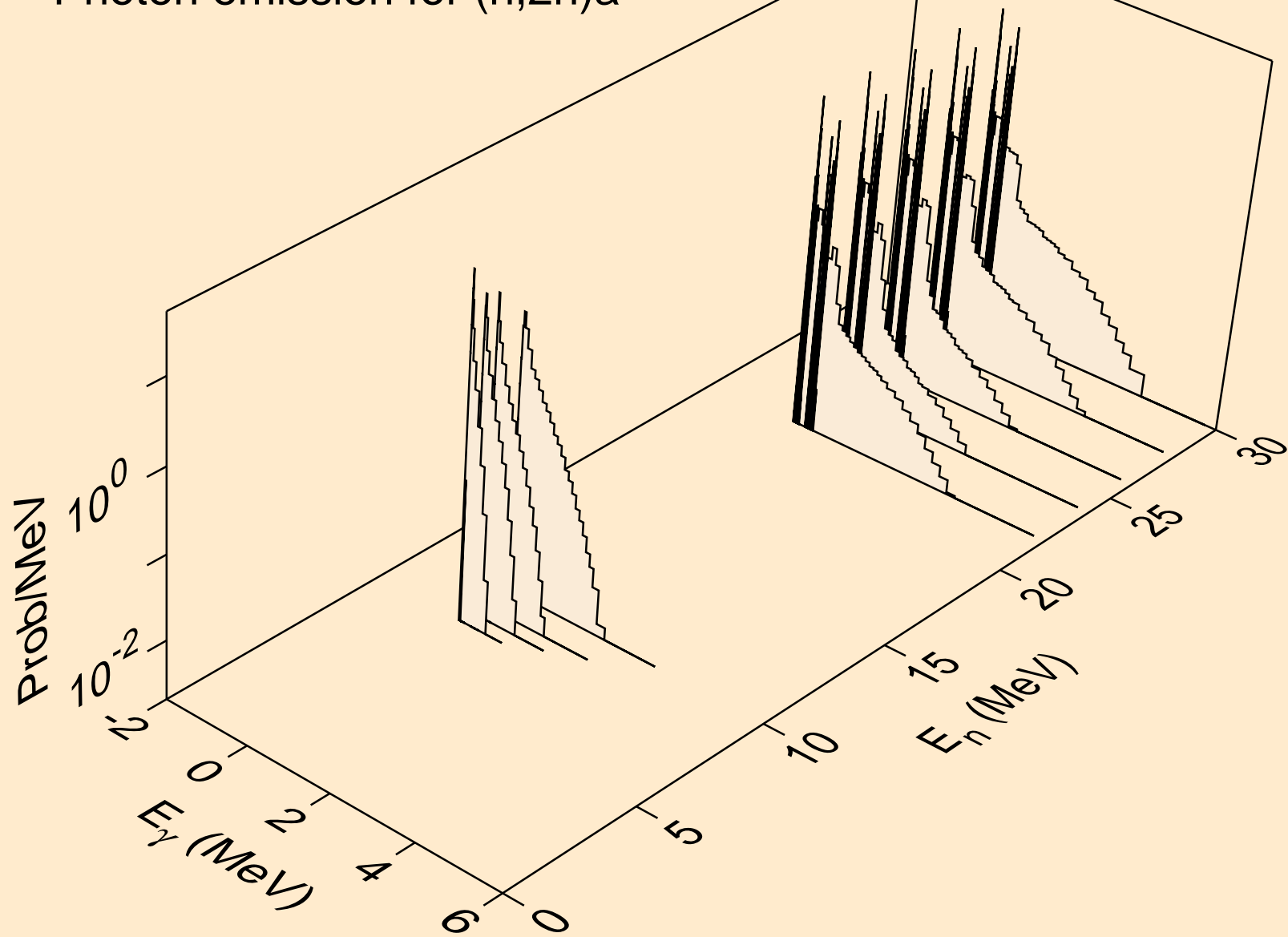
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



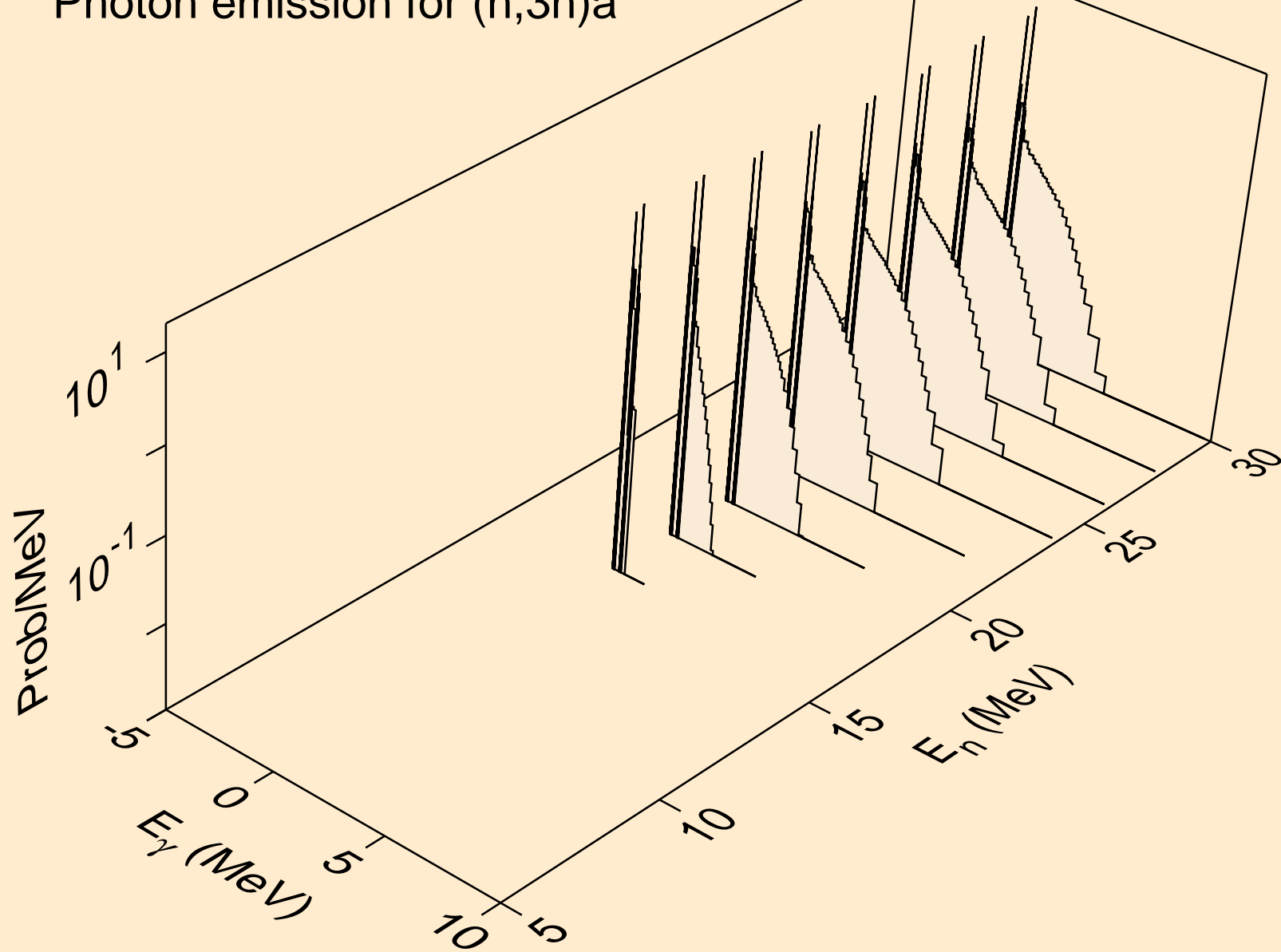
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



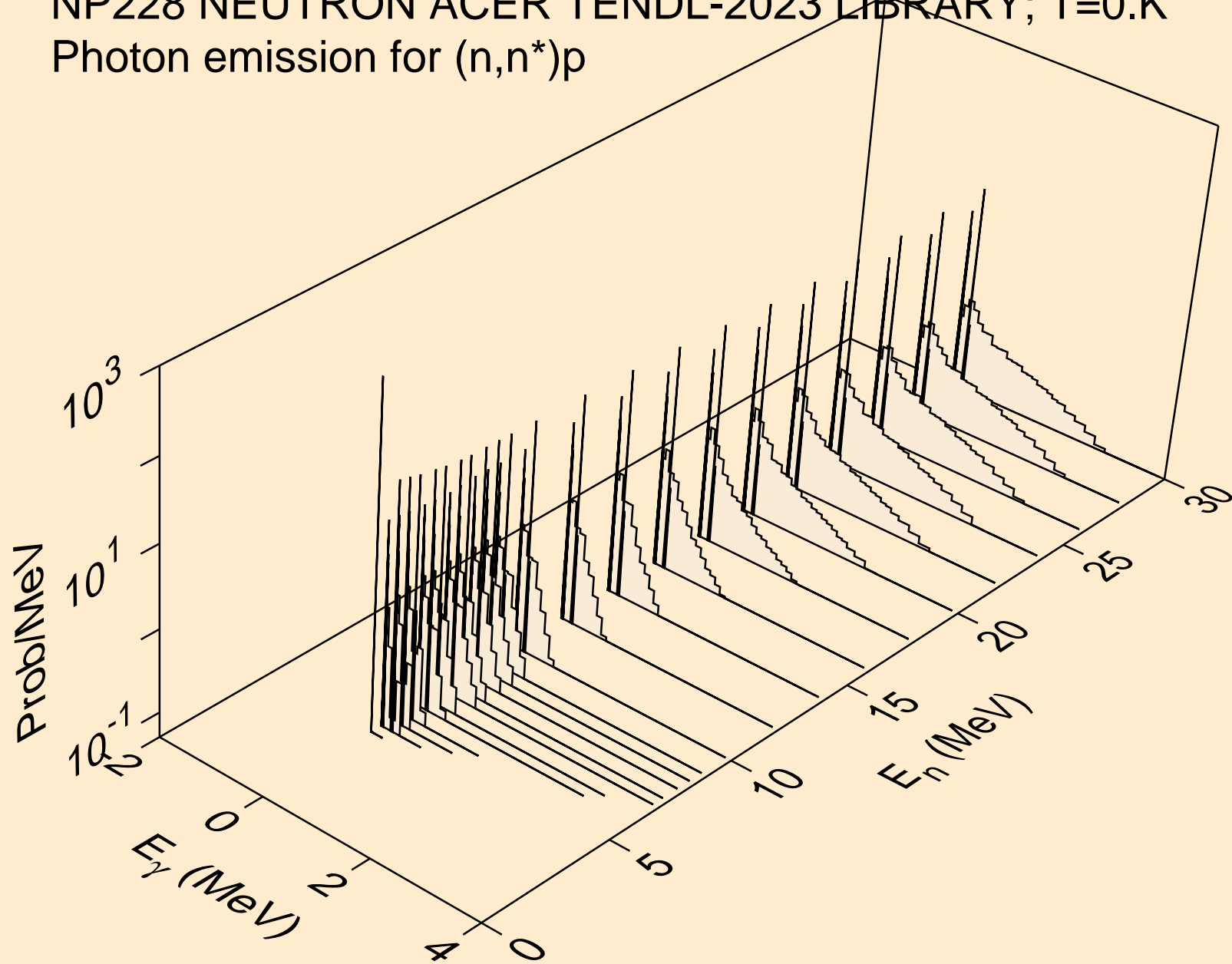
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



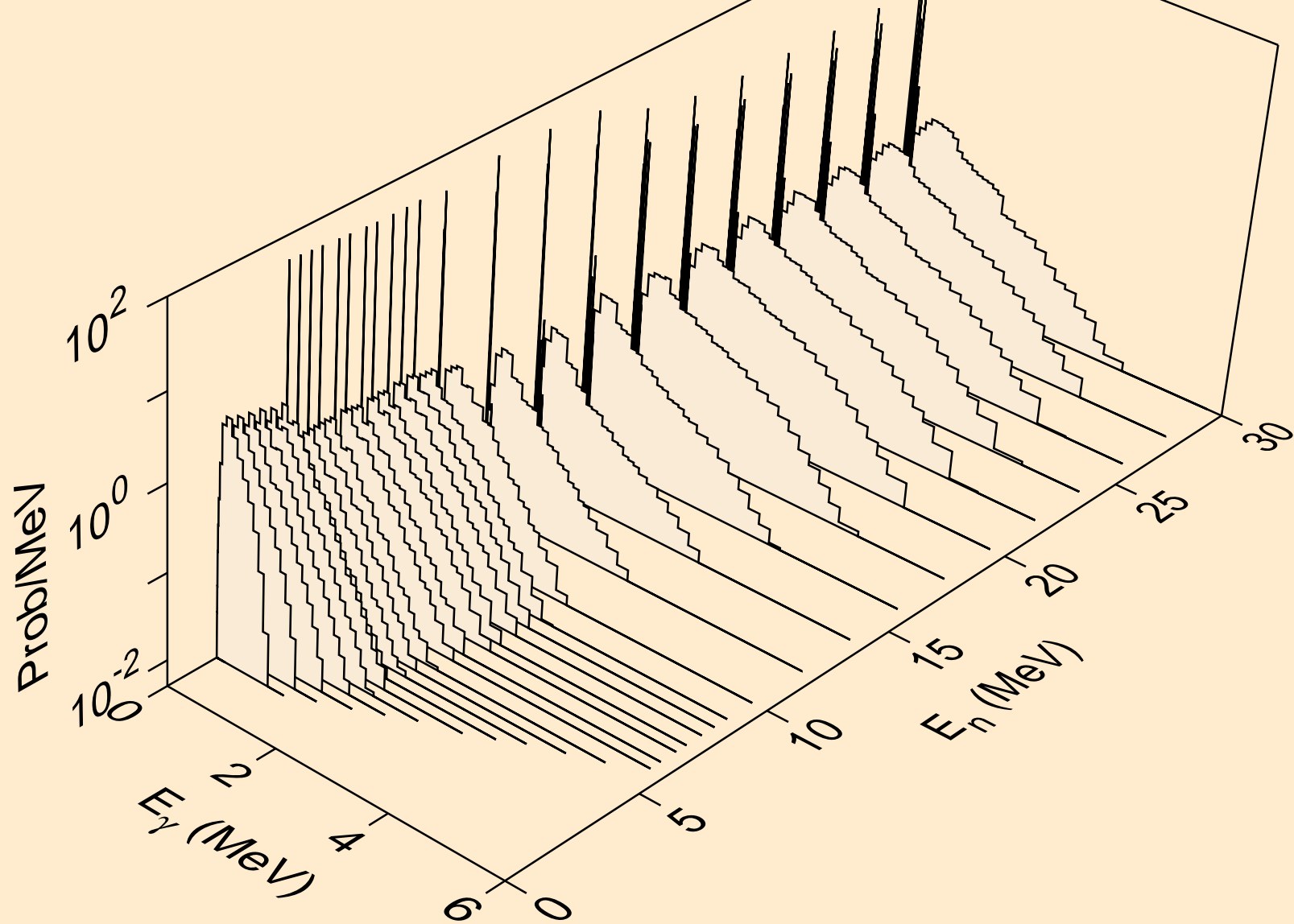
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



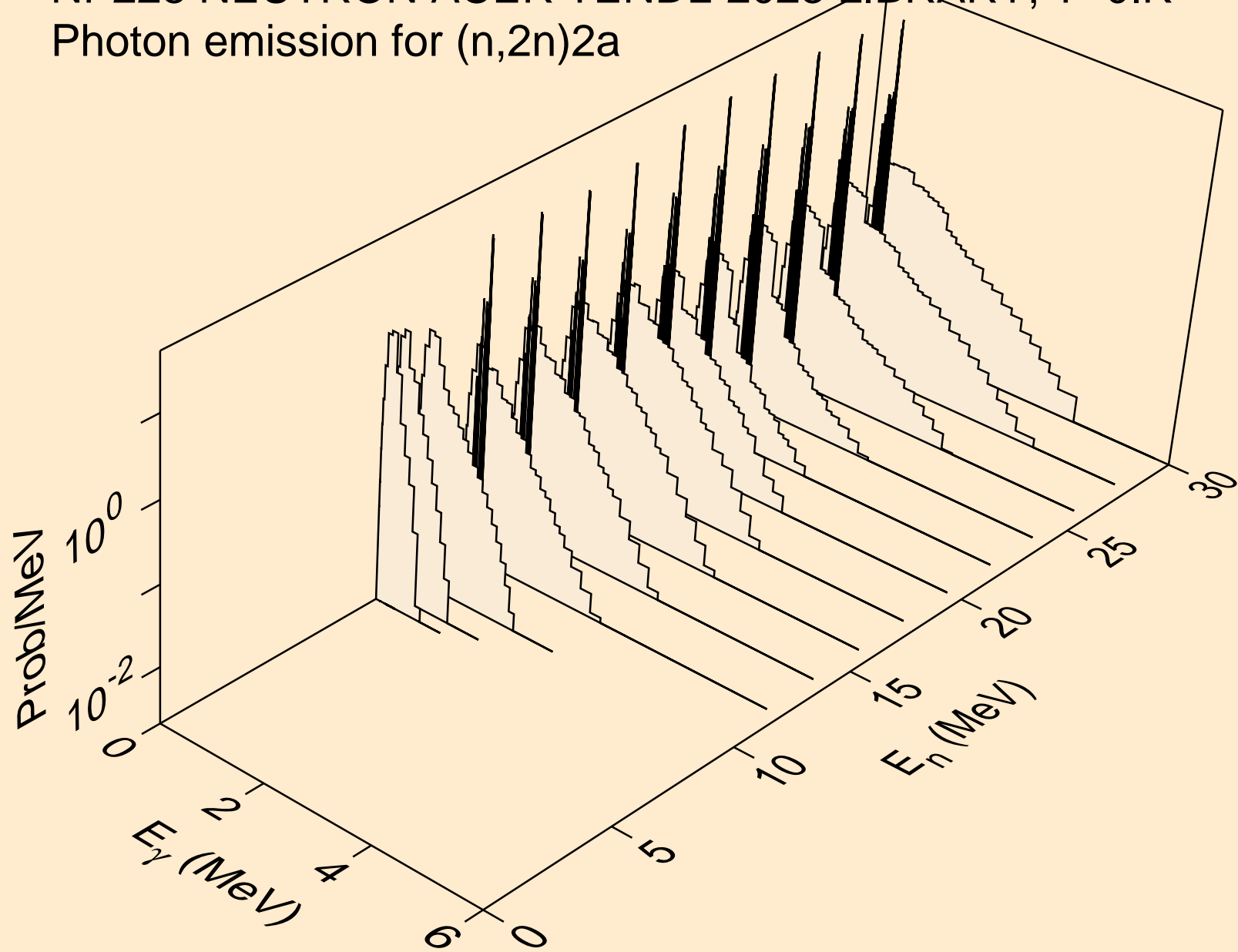
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



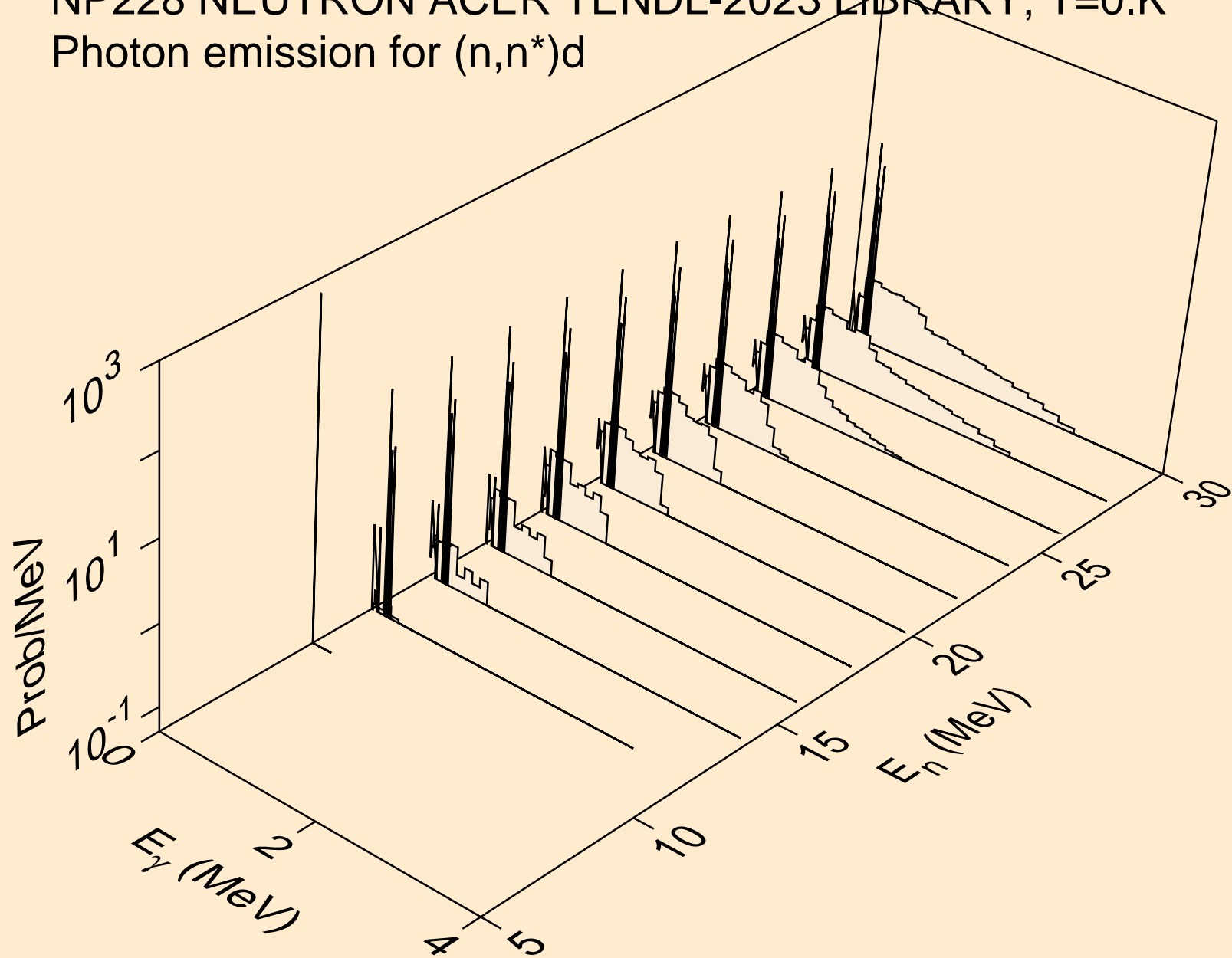
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Photon emission for (n,n*)2a



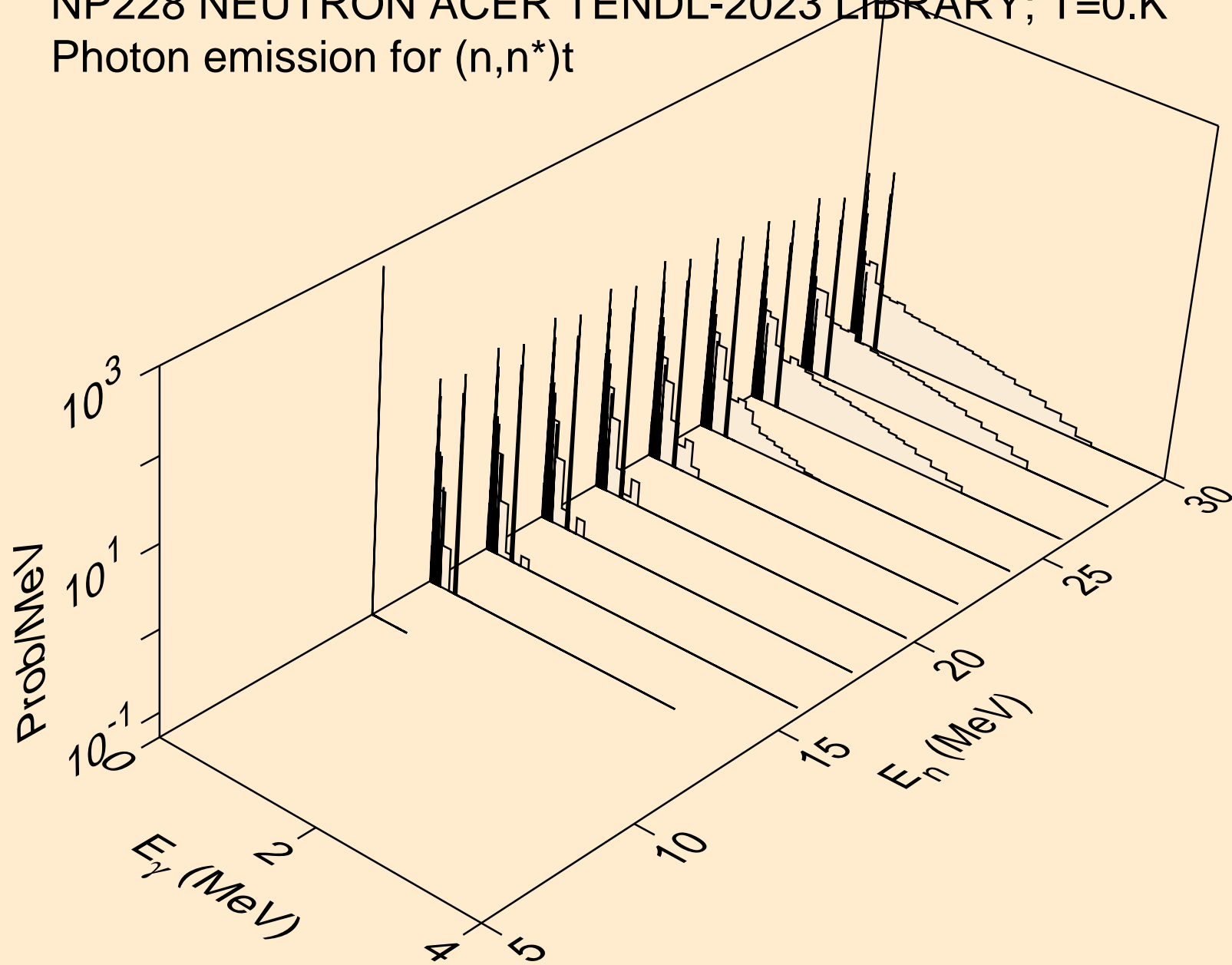
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Photon emission for (n,2n)2a



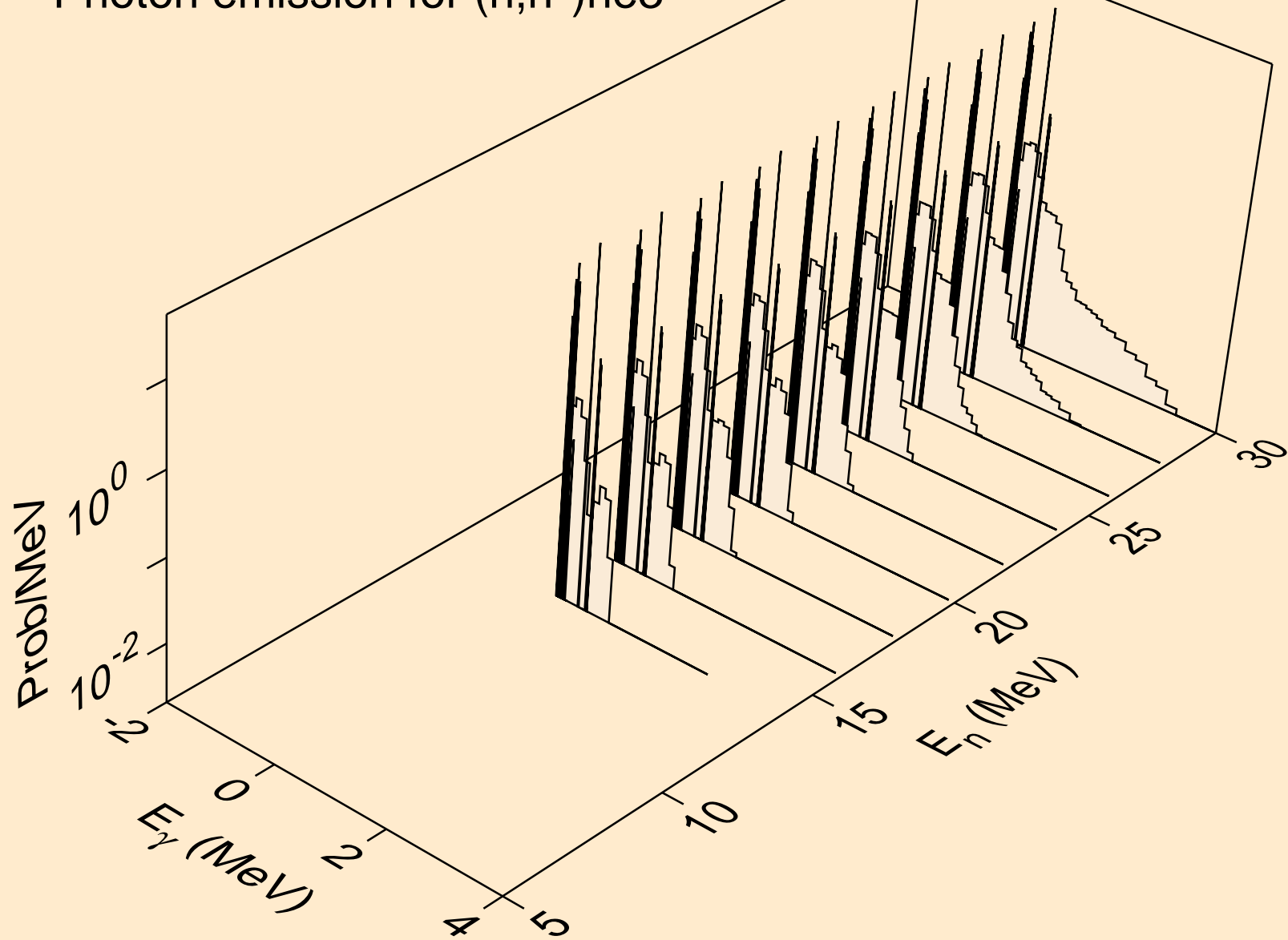
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



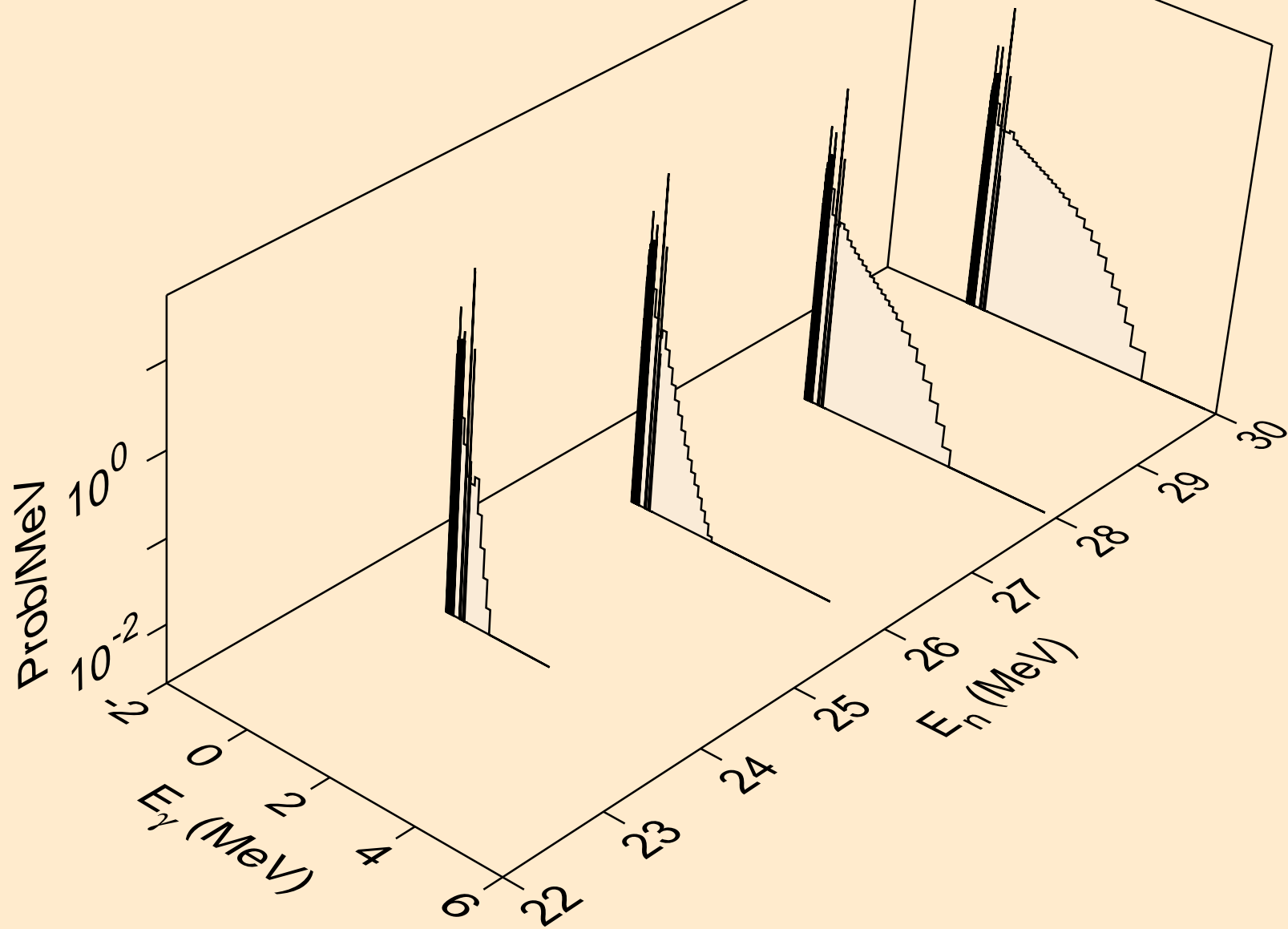
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



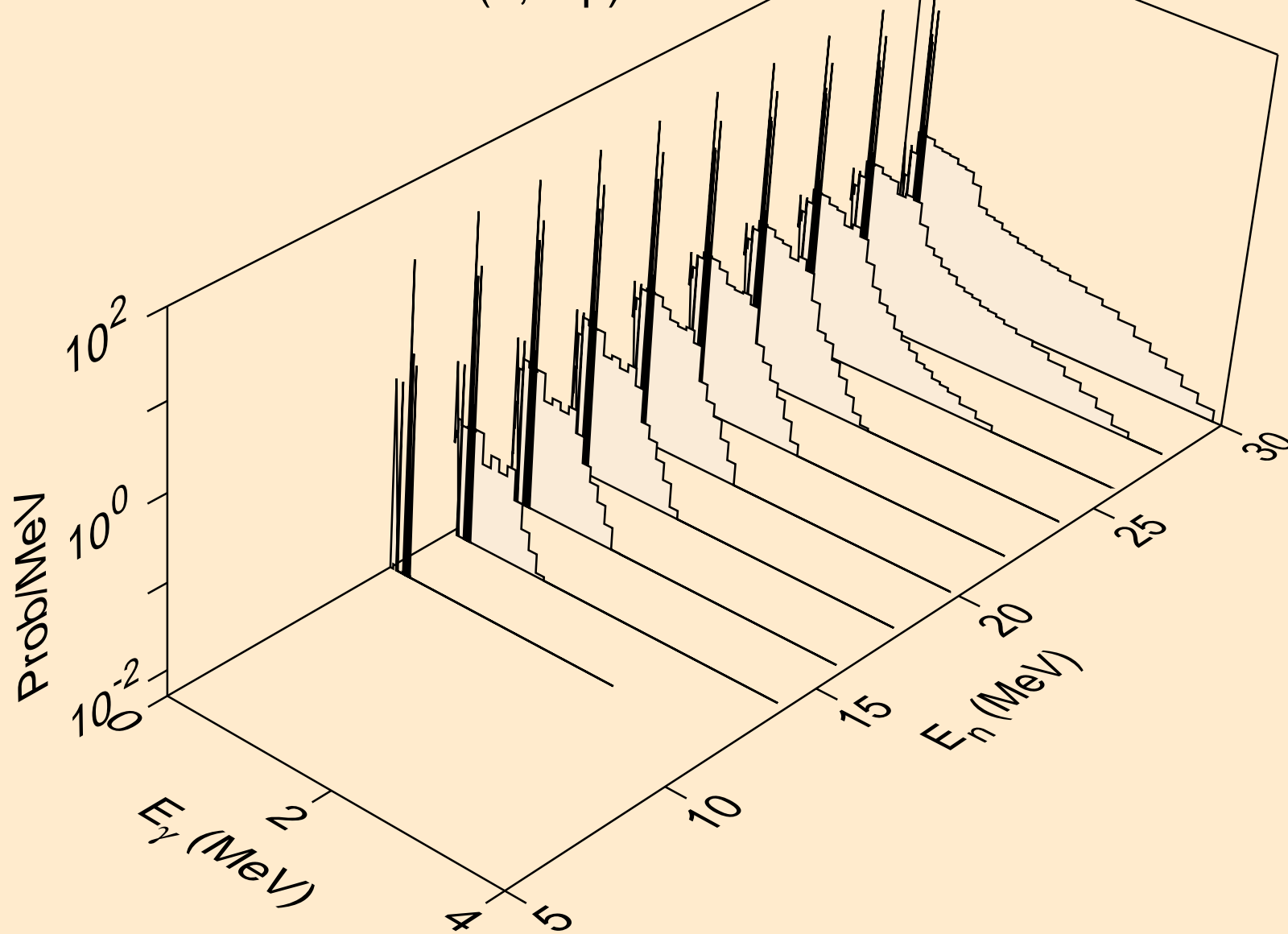
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



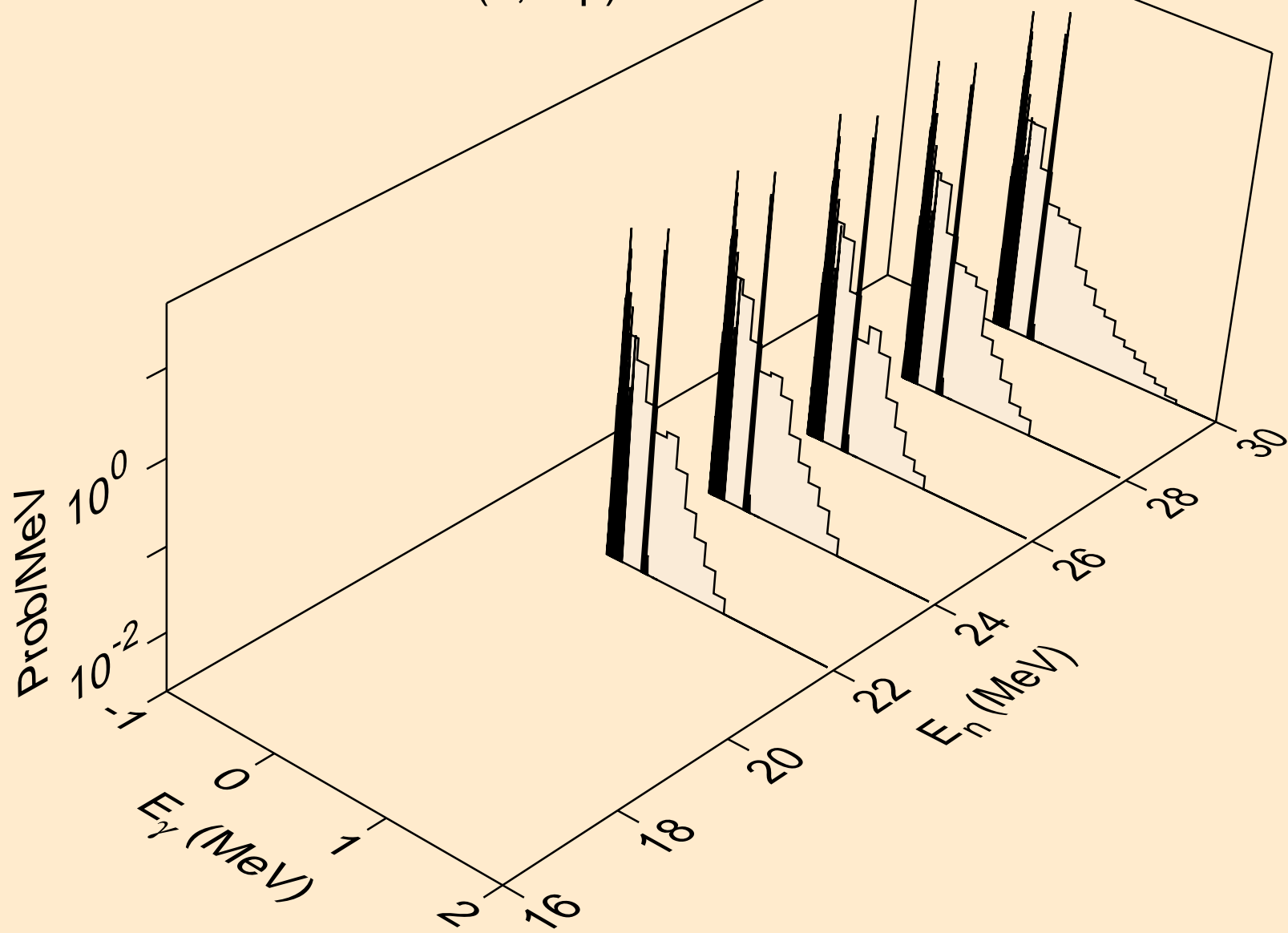
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



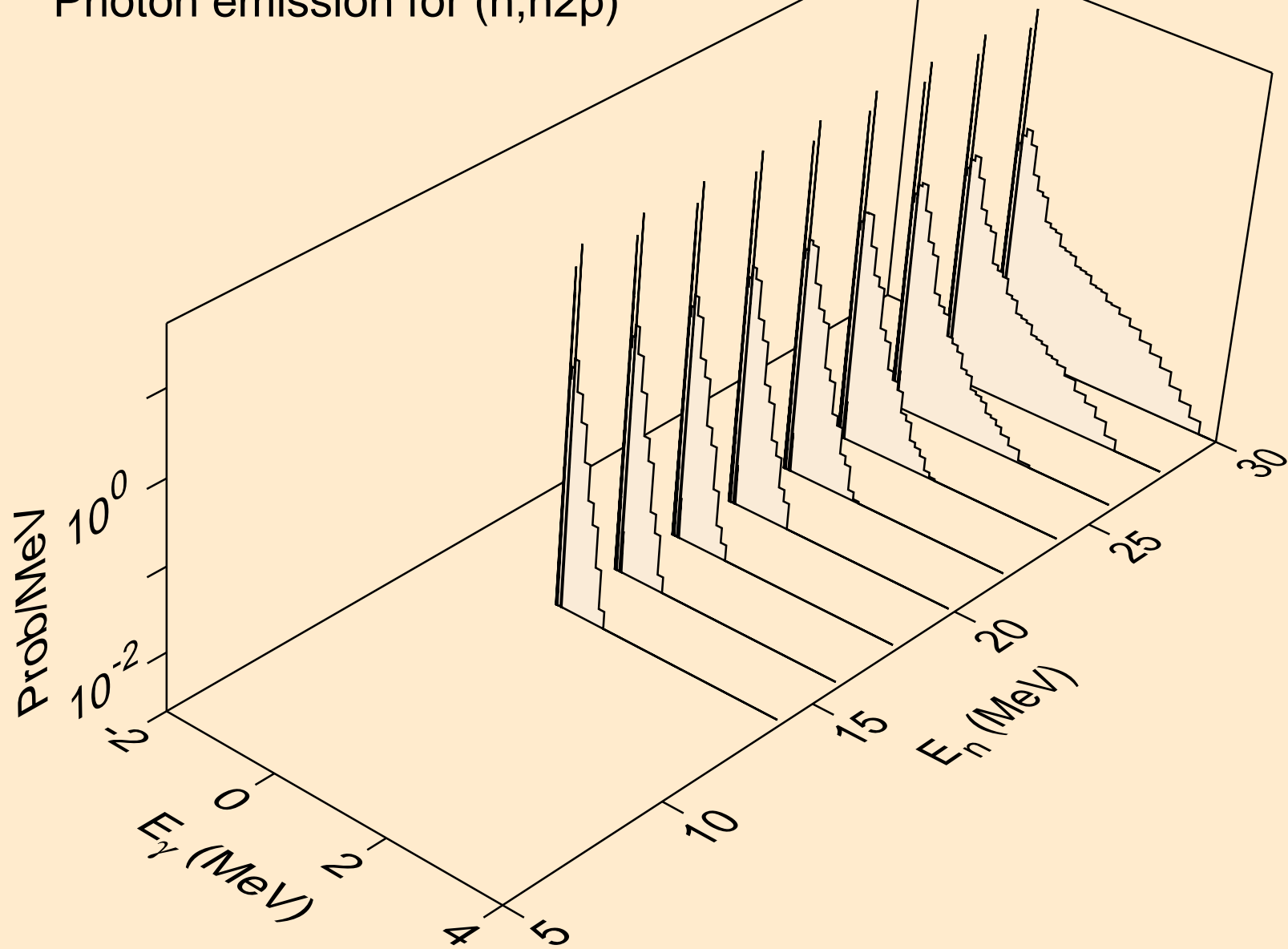
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Photon emission for (n,2np)



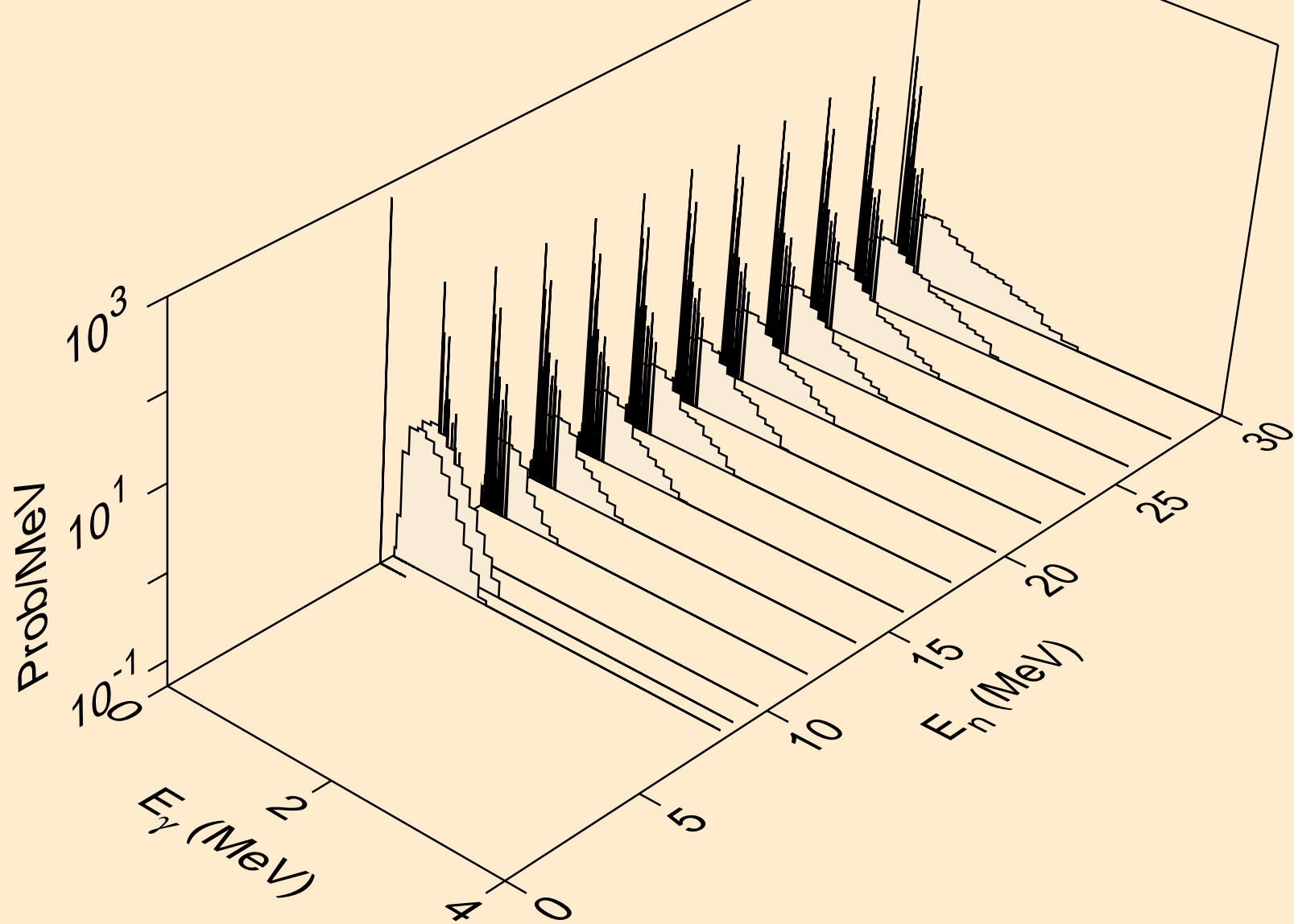
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Photon emission for (n,3np)



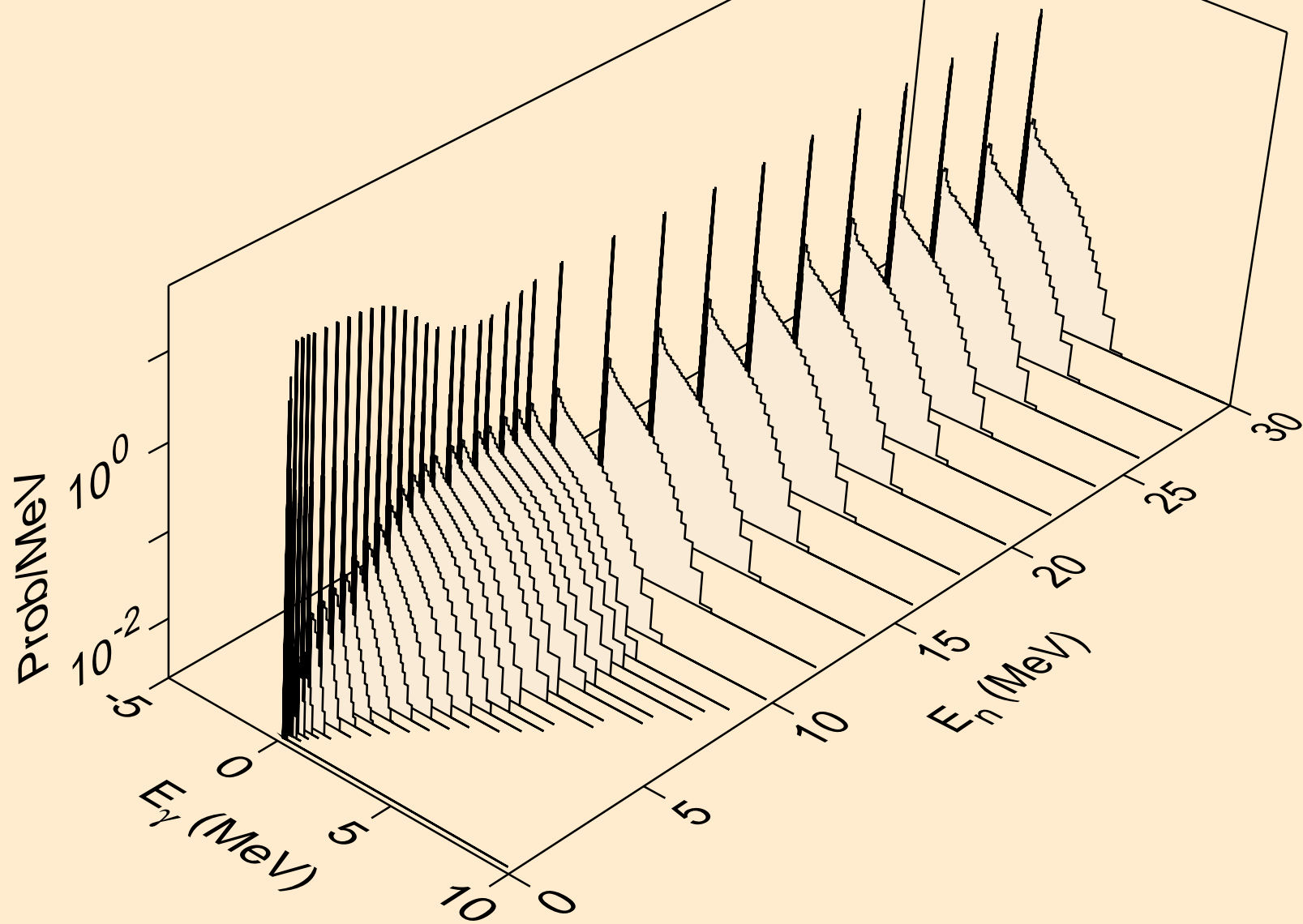
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Photon emission for (n,n2p)



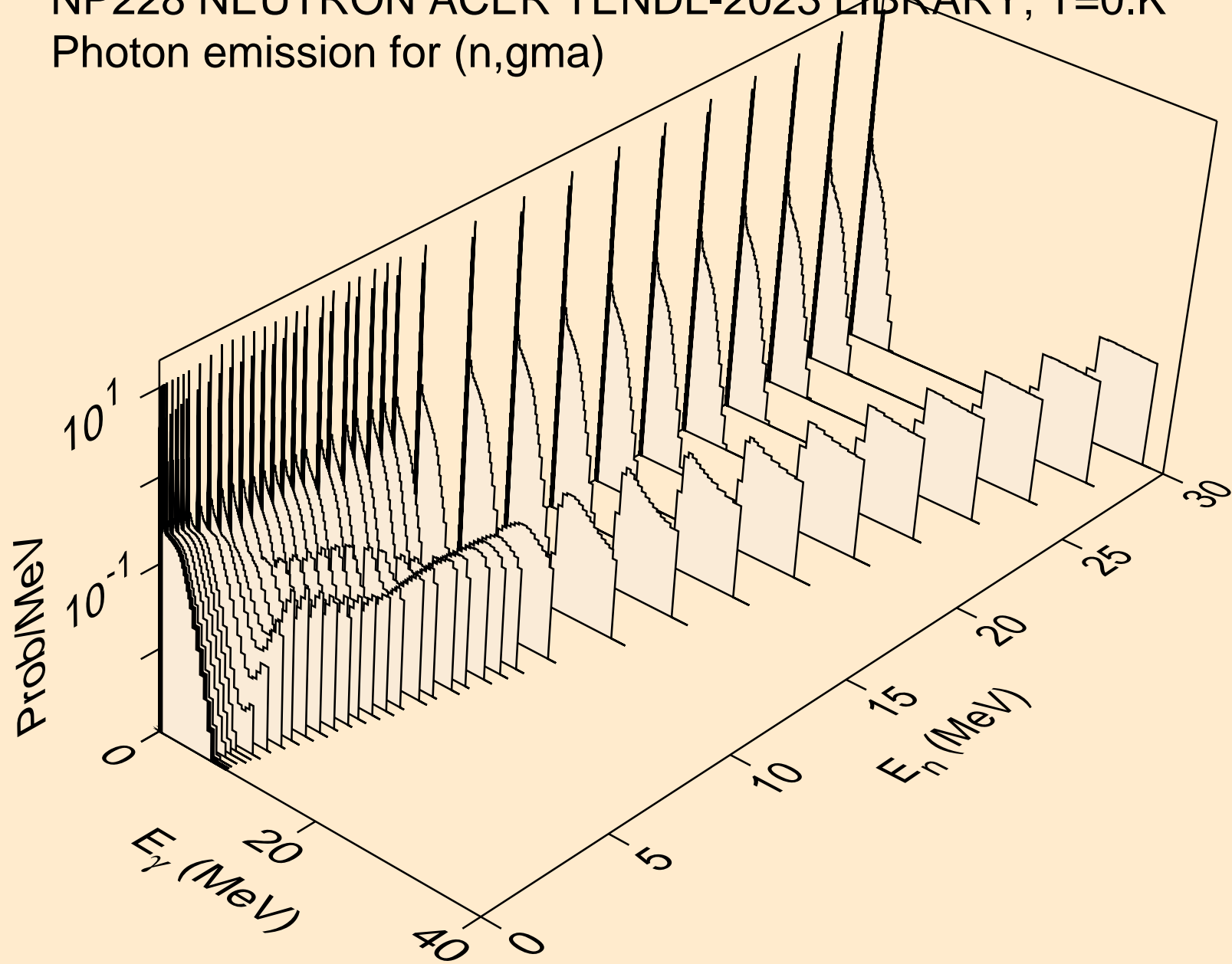
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Photon emission for (n,npa)



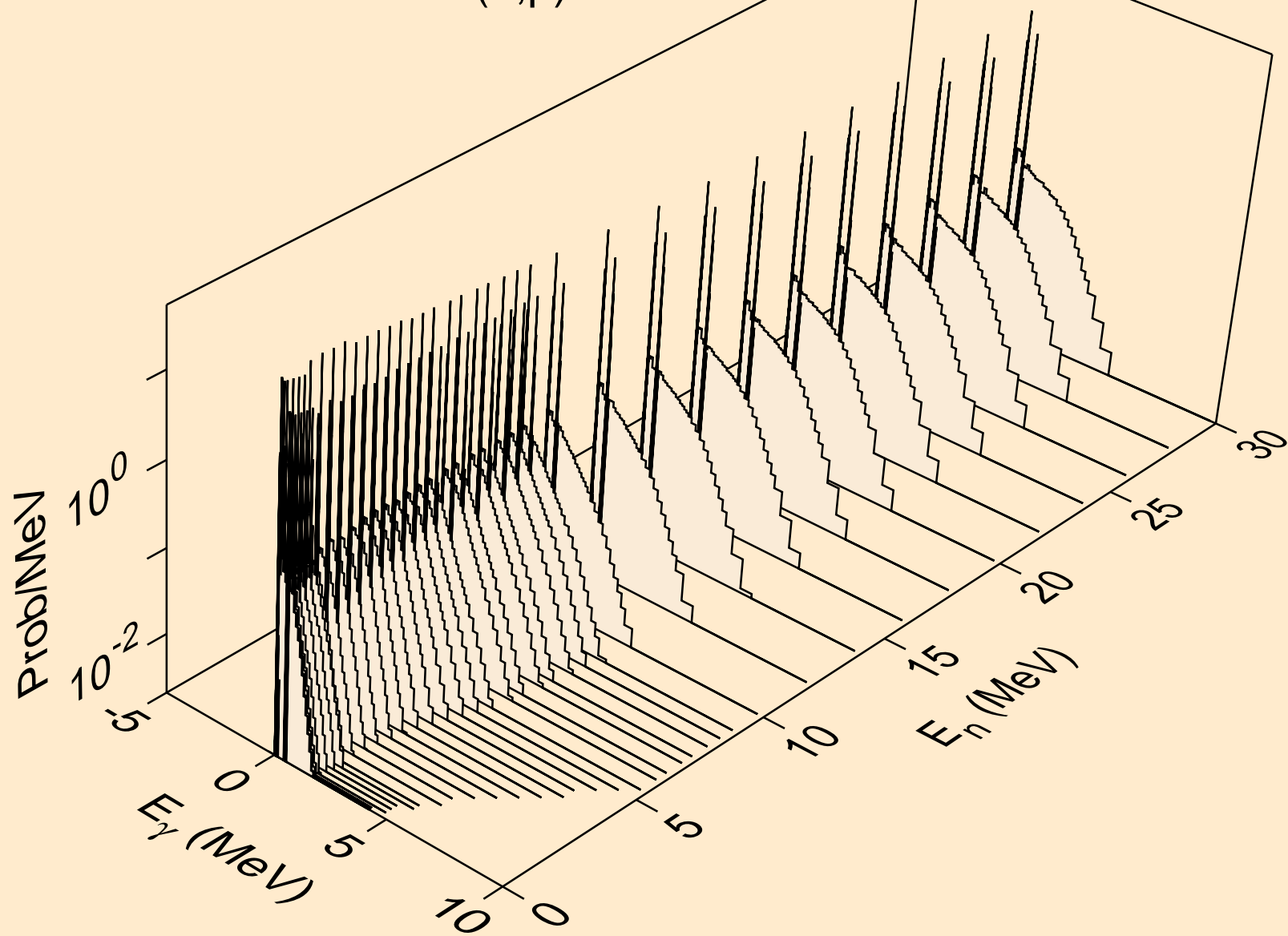
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



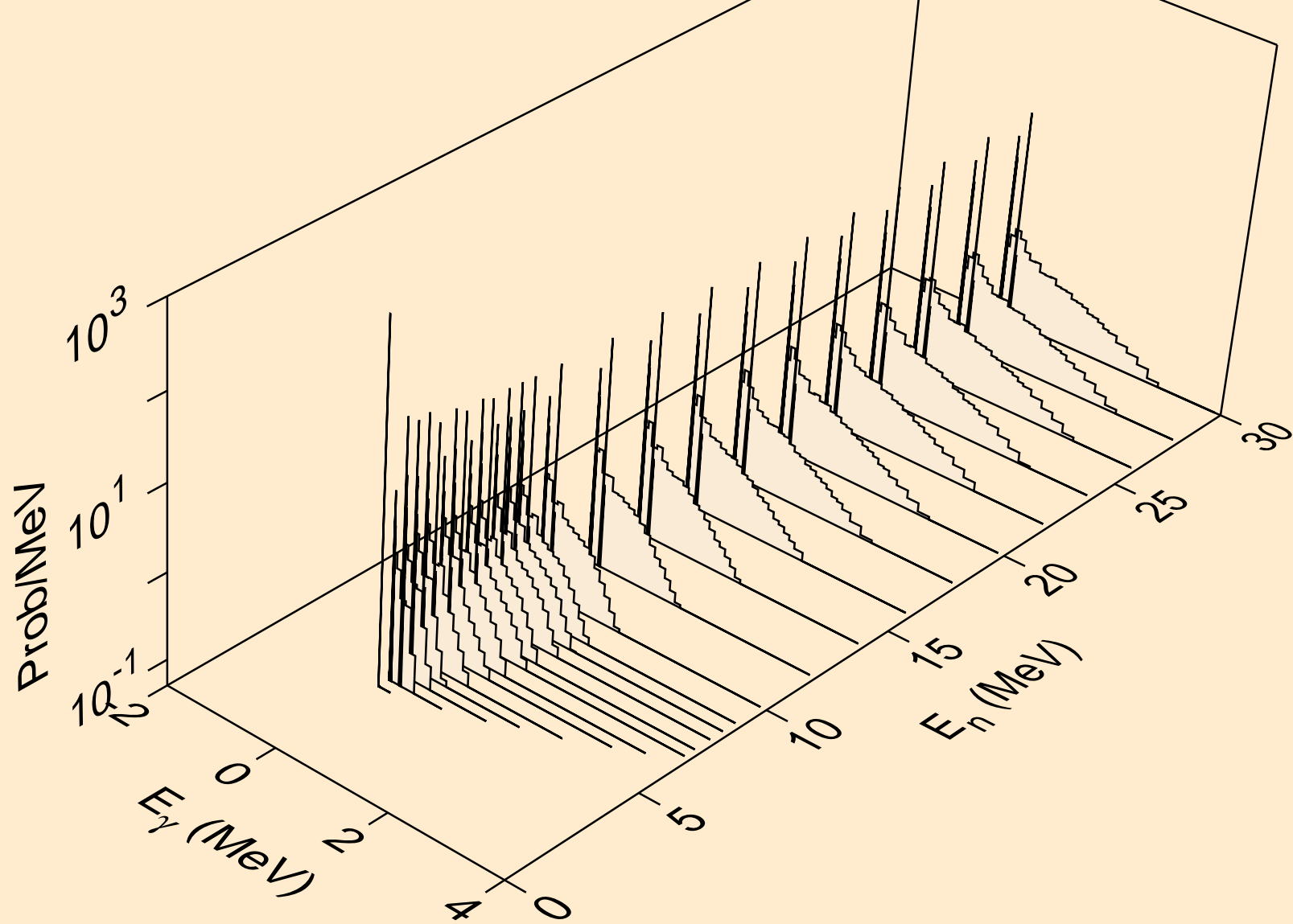
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Photon emission for (n,gma)



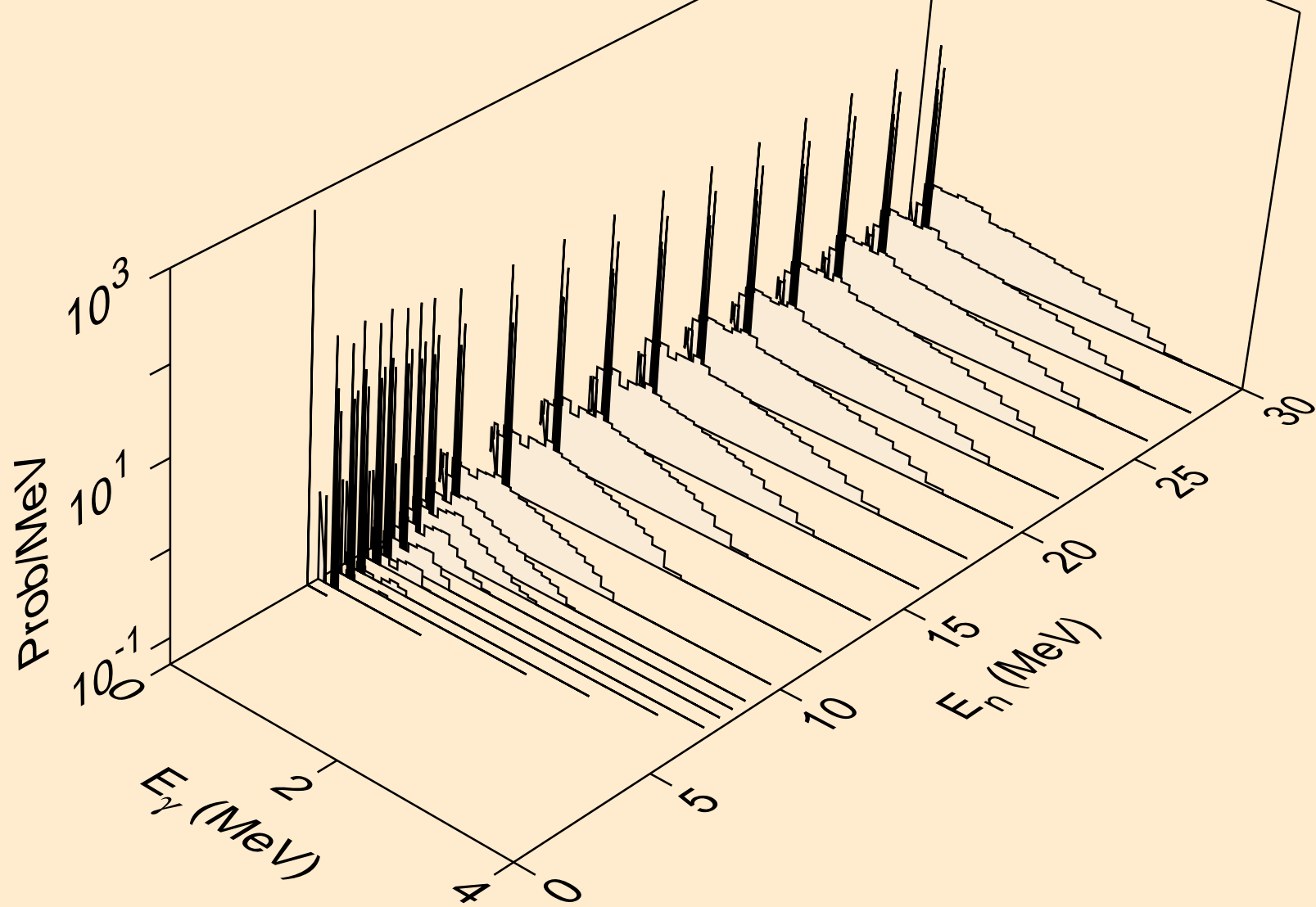
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



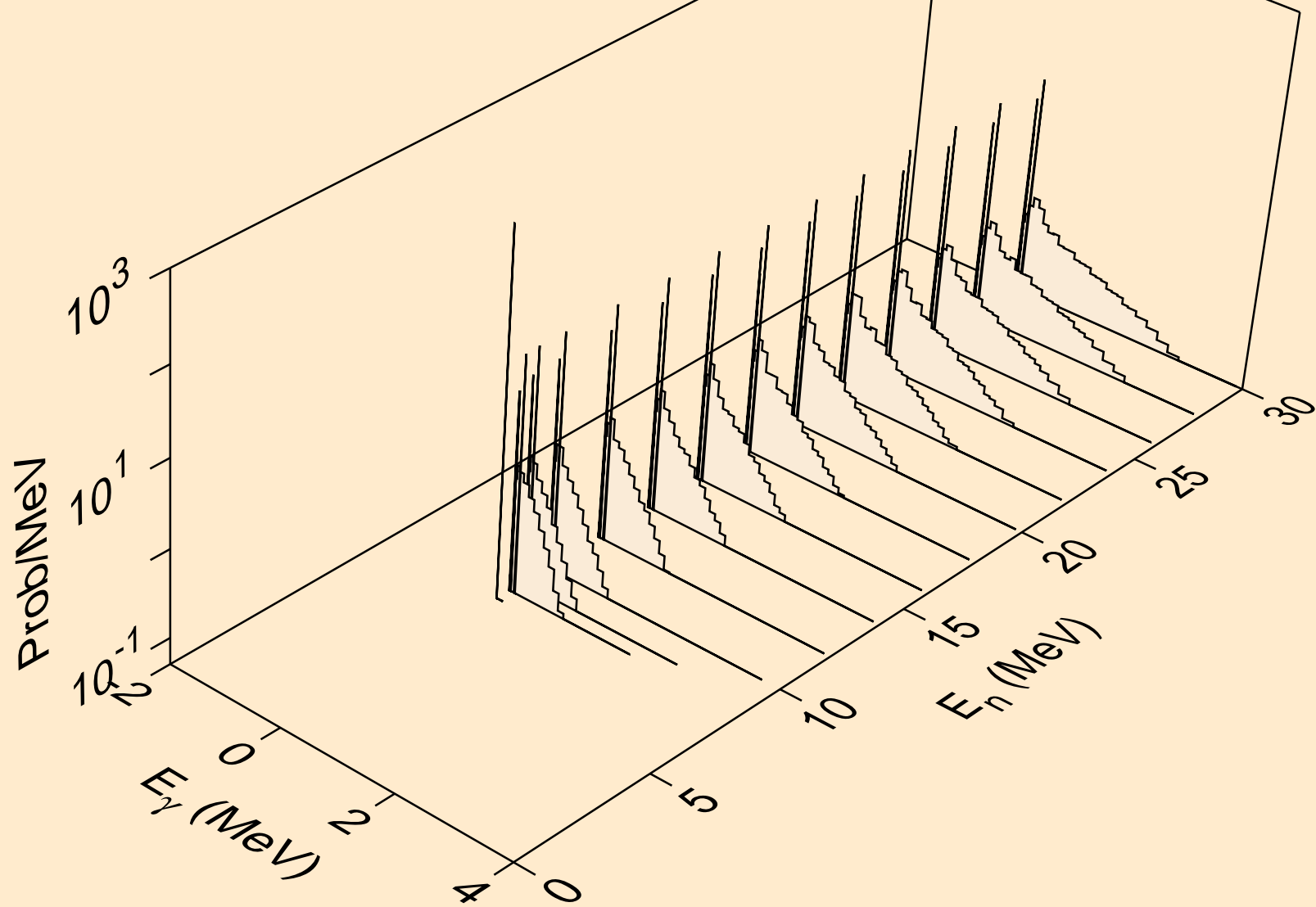
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Photon emission for (n,d)



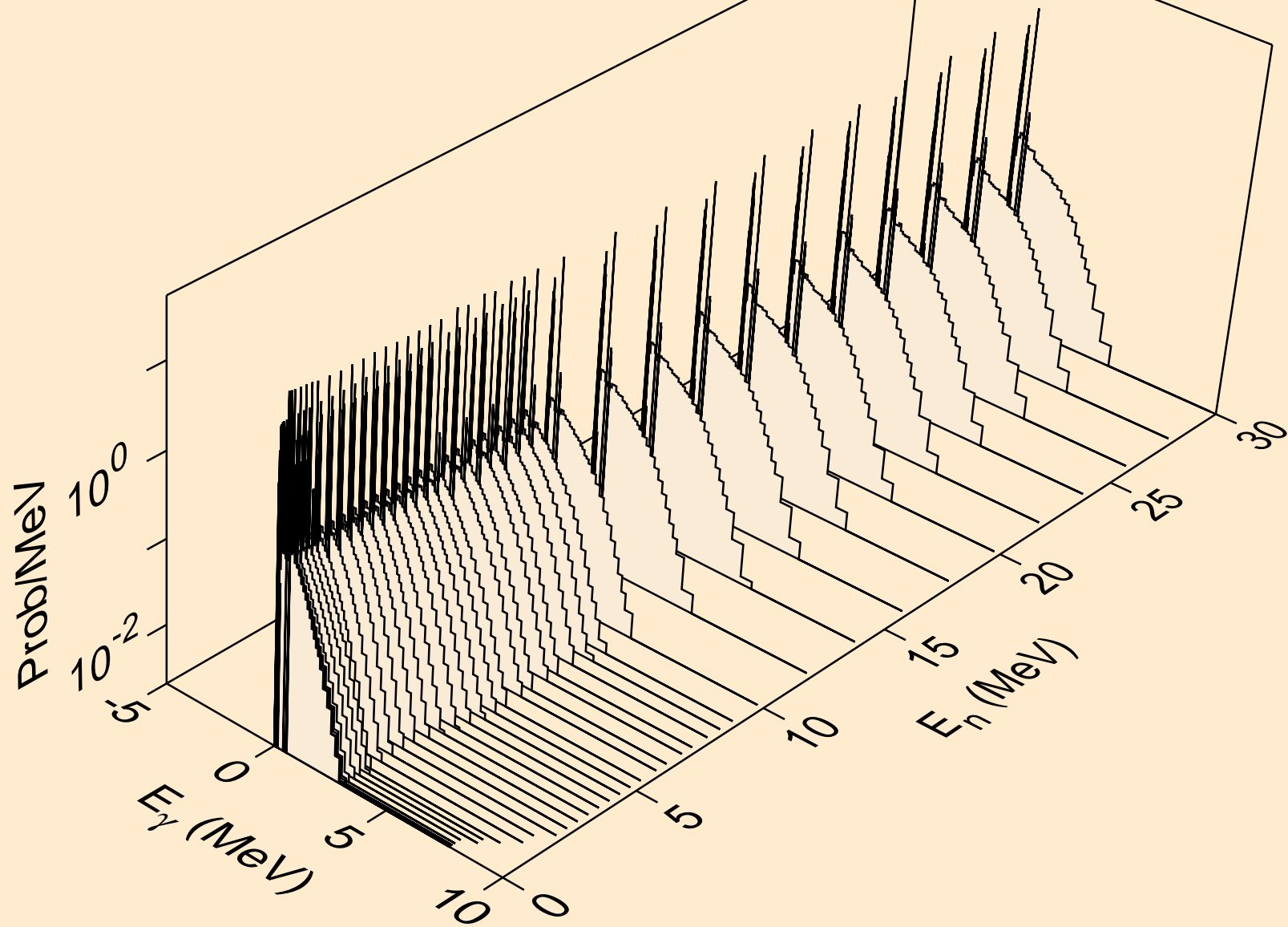
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Photon emission for (n,t)



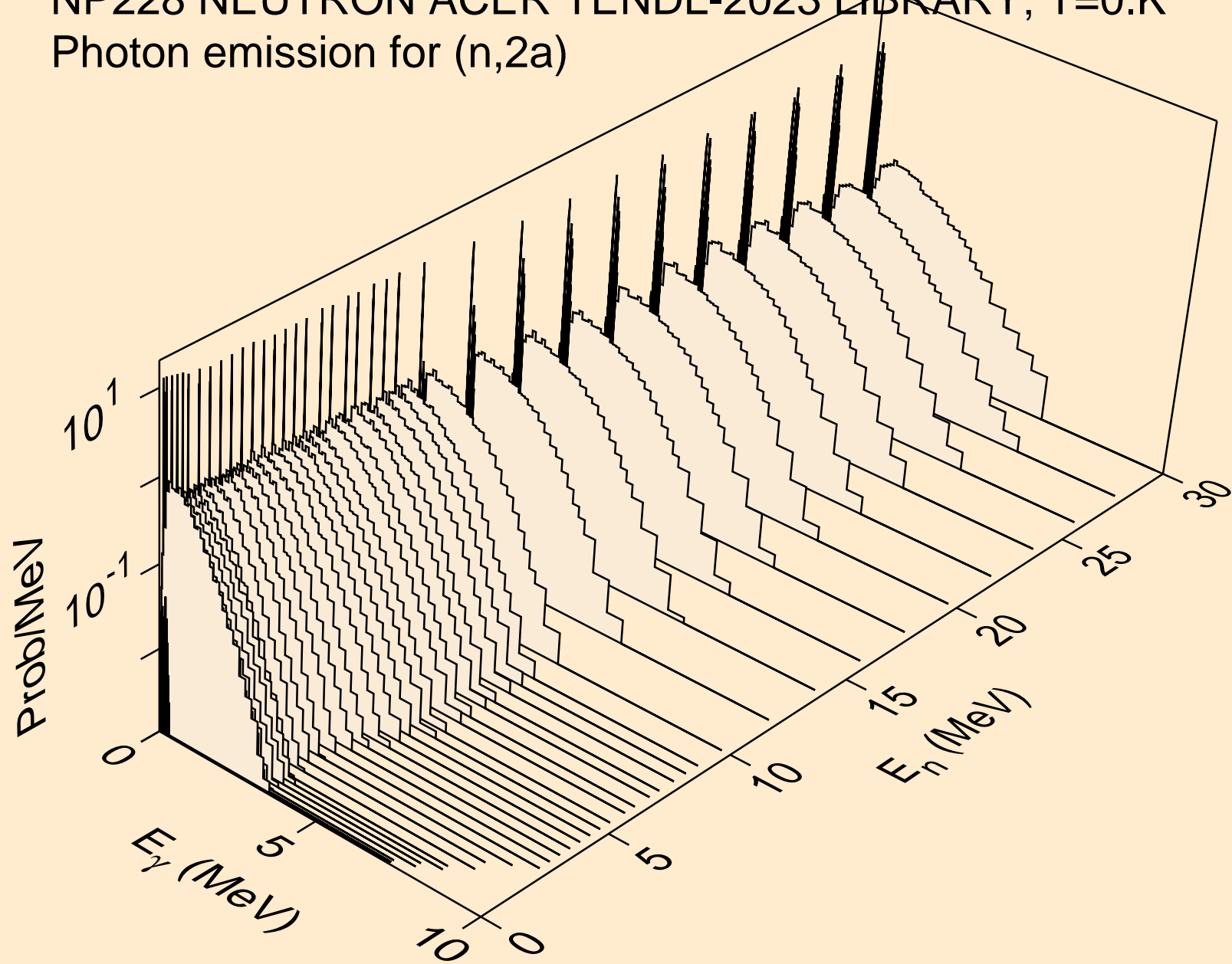
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Photon emission for (n,he3)



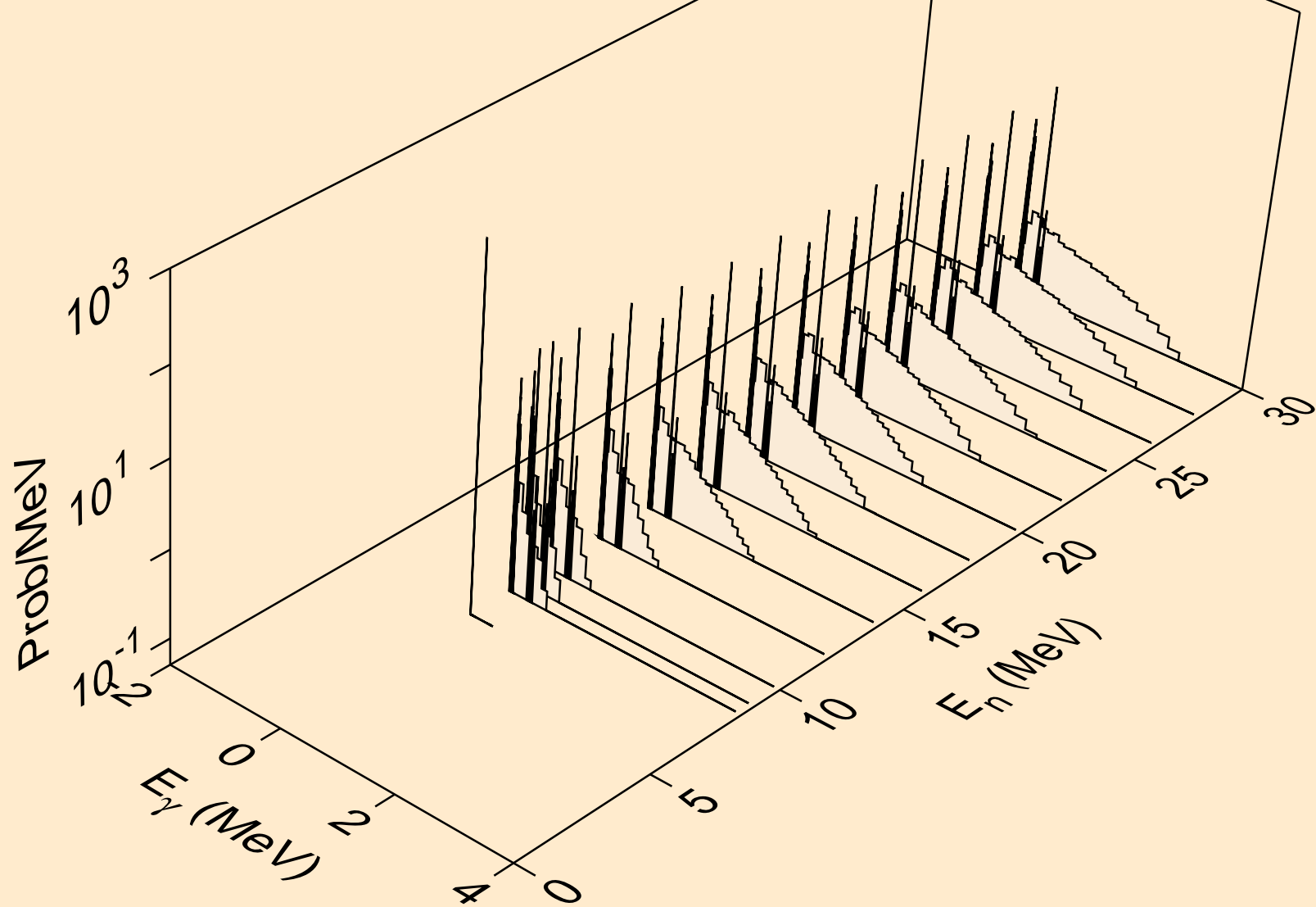
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



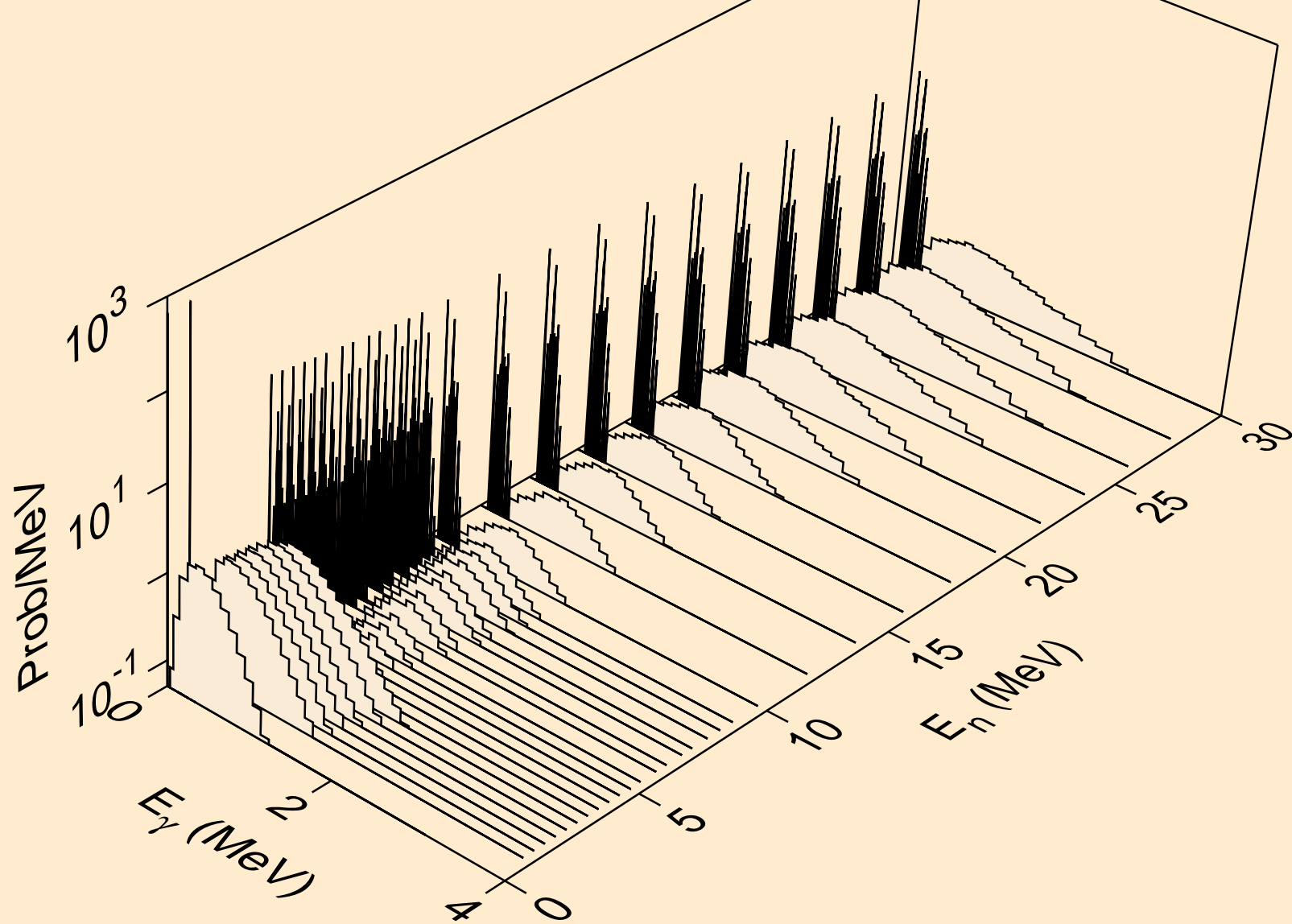
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



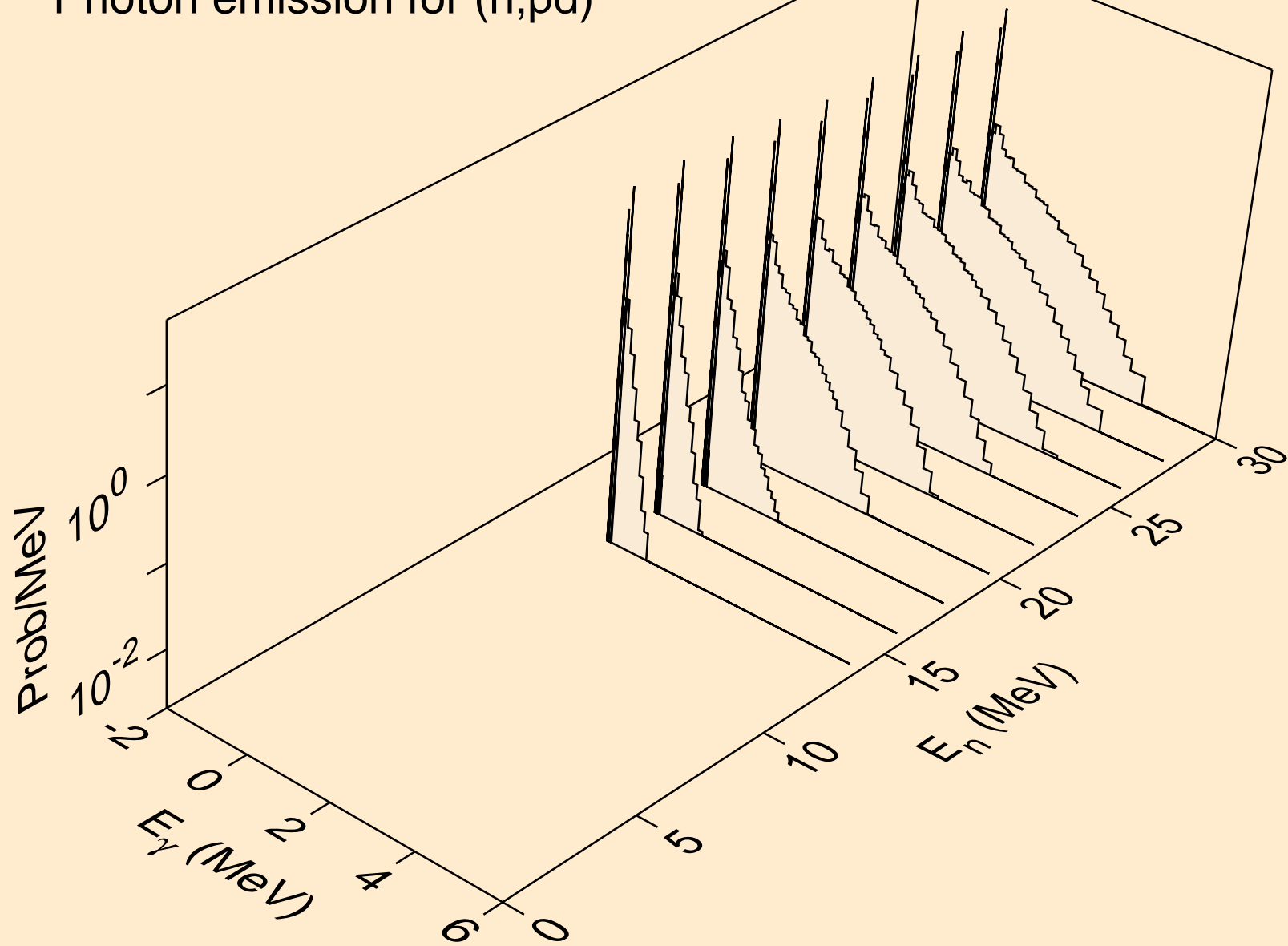
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Photon emission for (n,2p)



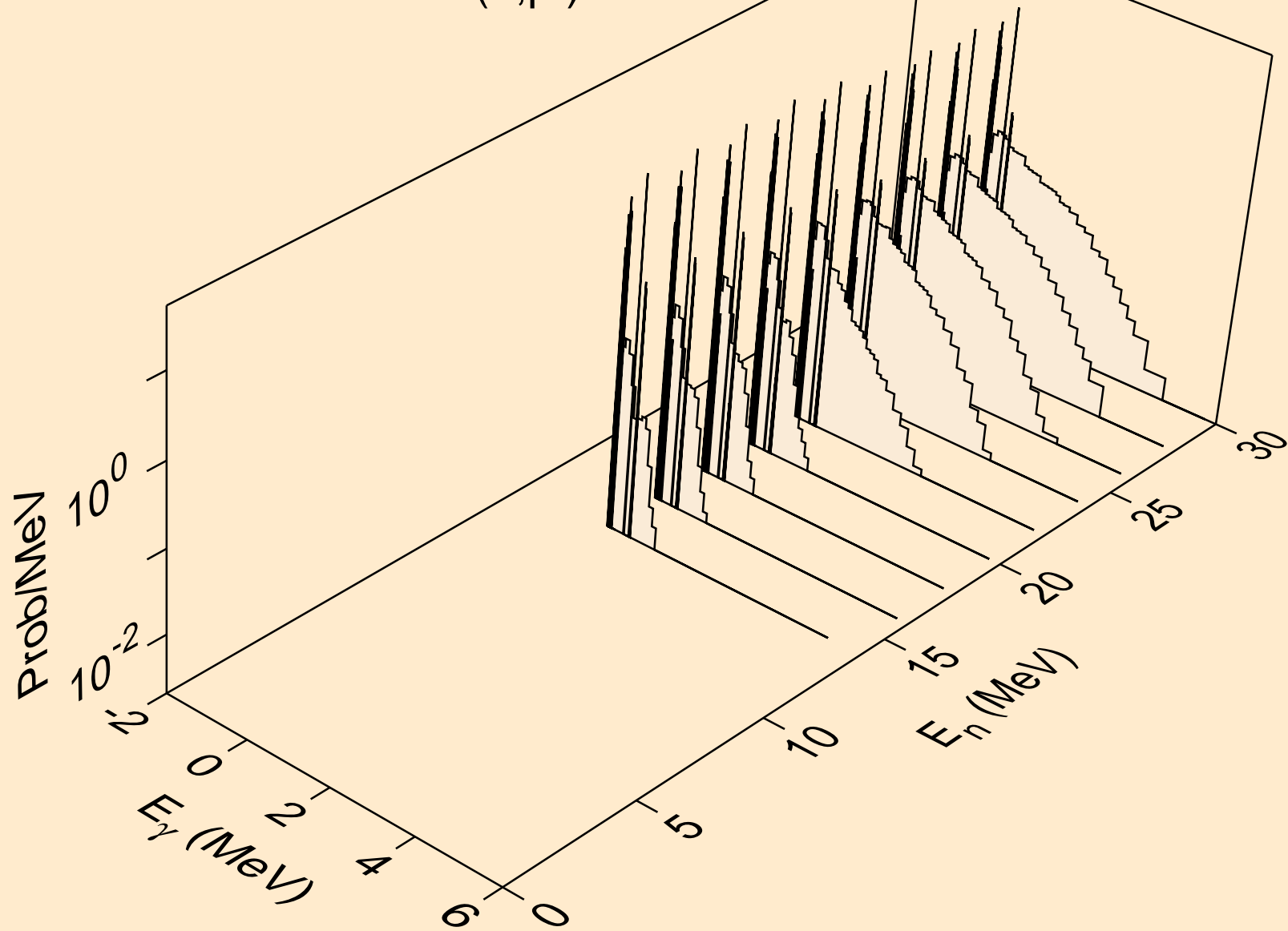
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Photon emission for (n,p α)



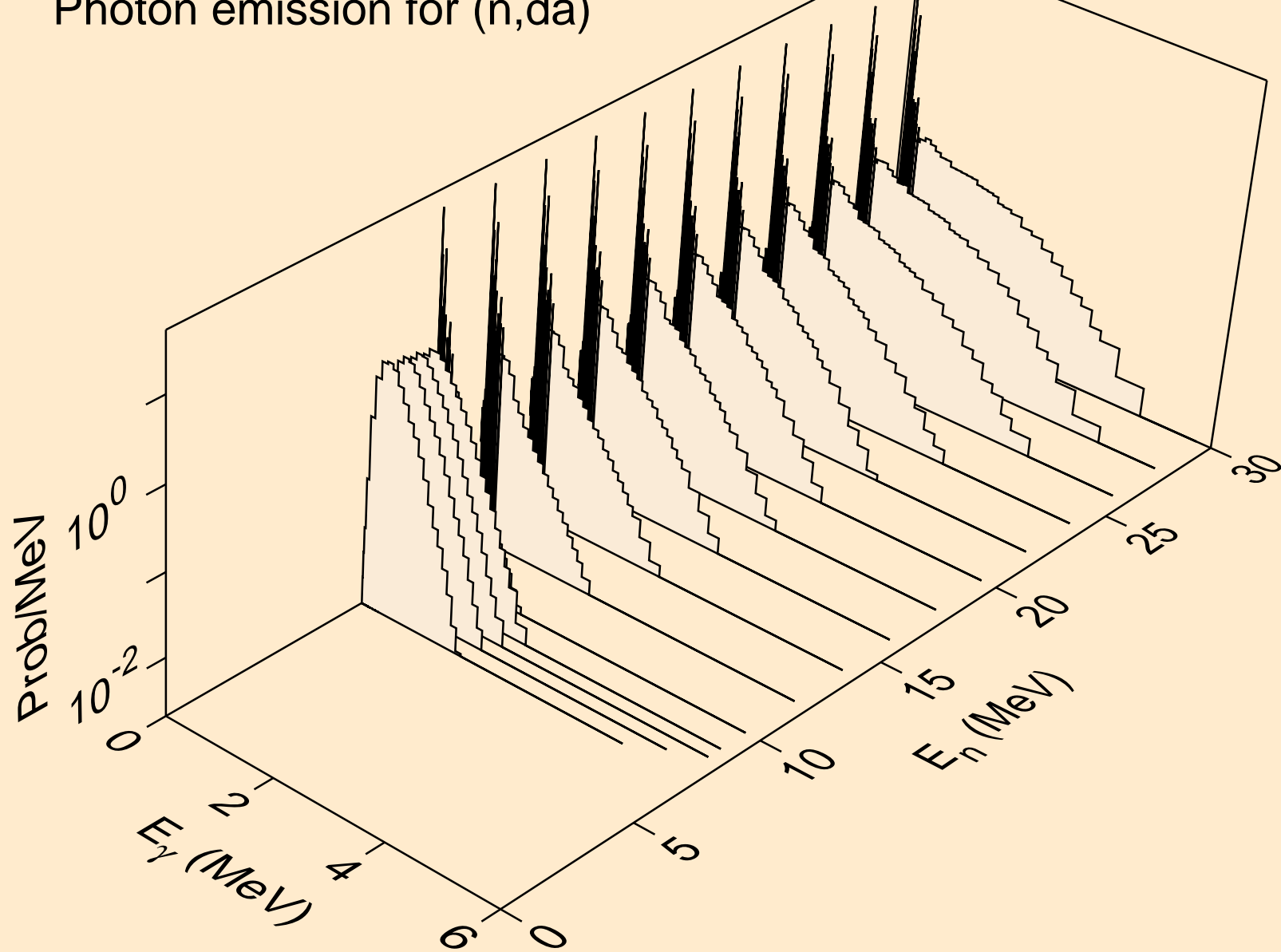
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



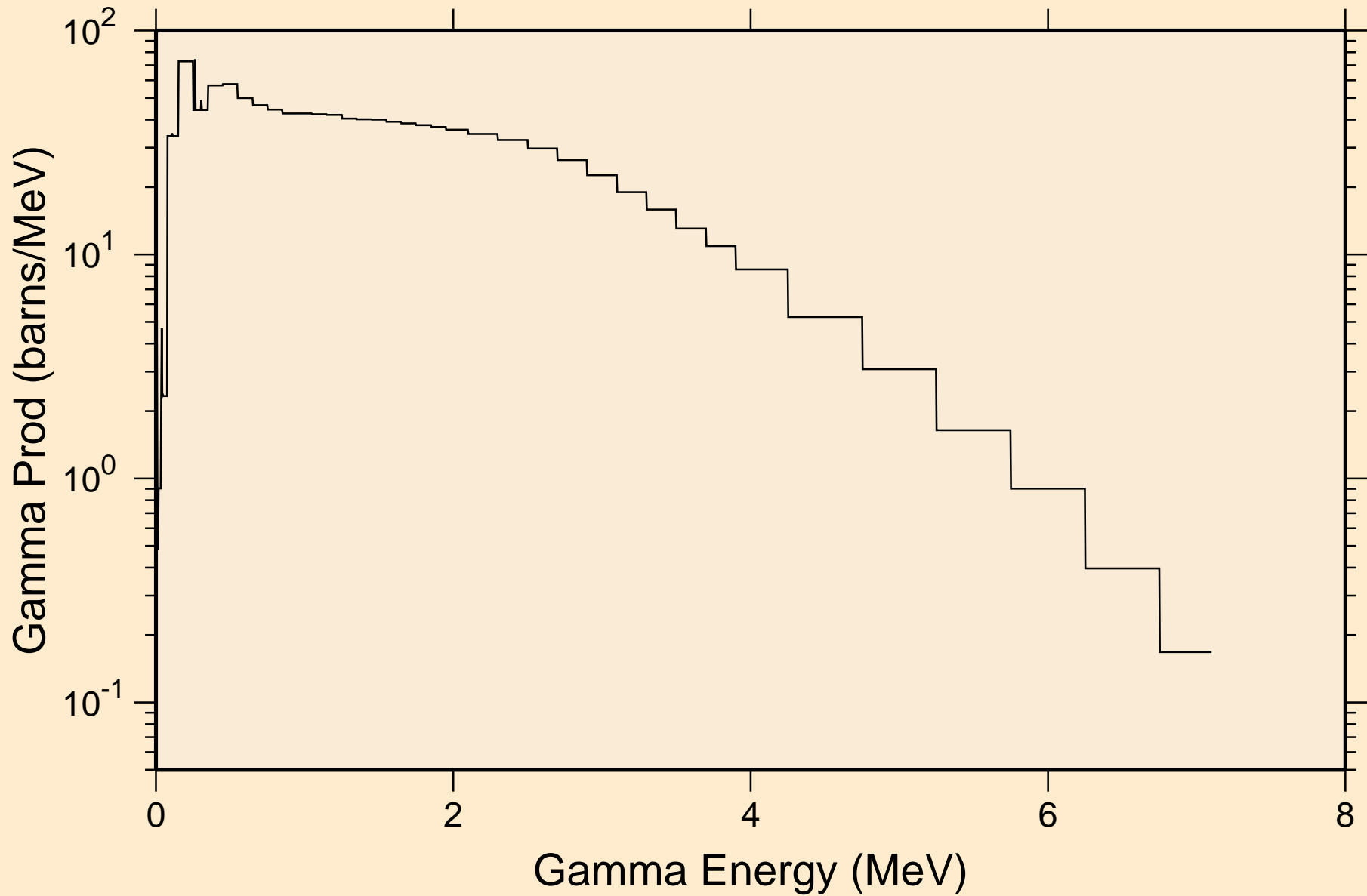
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Photon emission for (n,p)



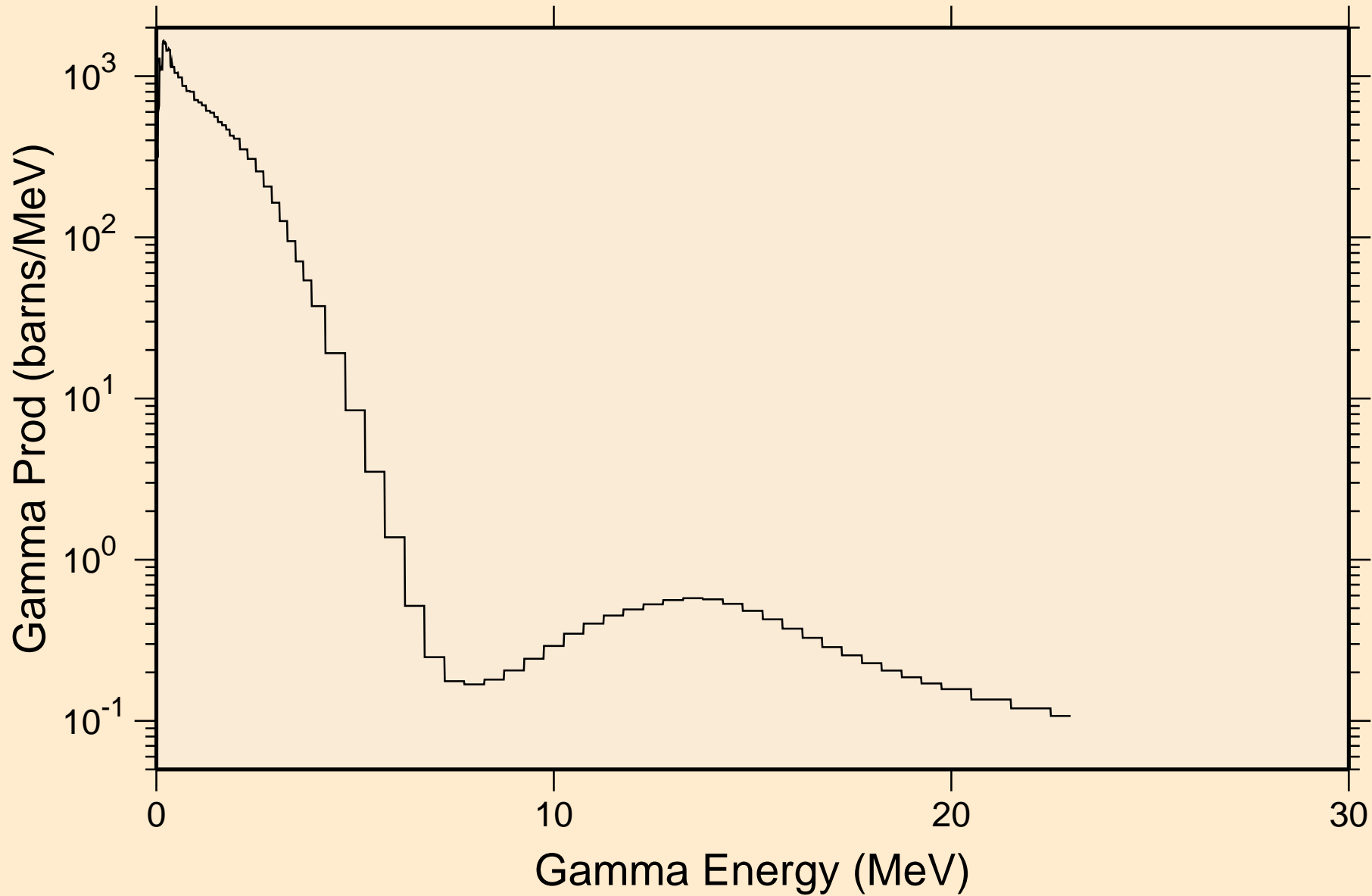
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

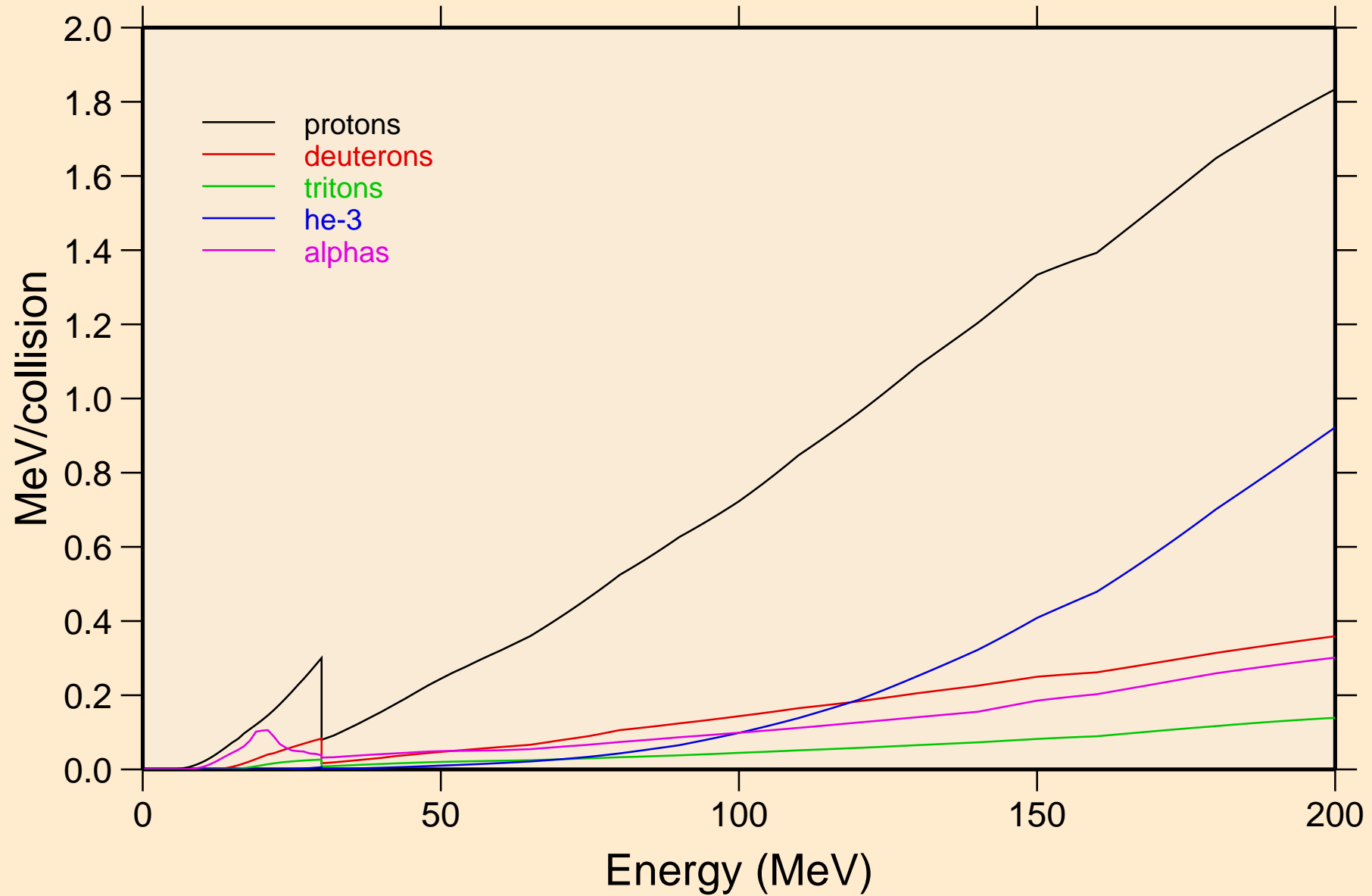


NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



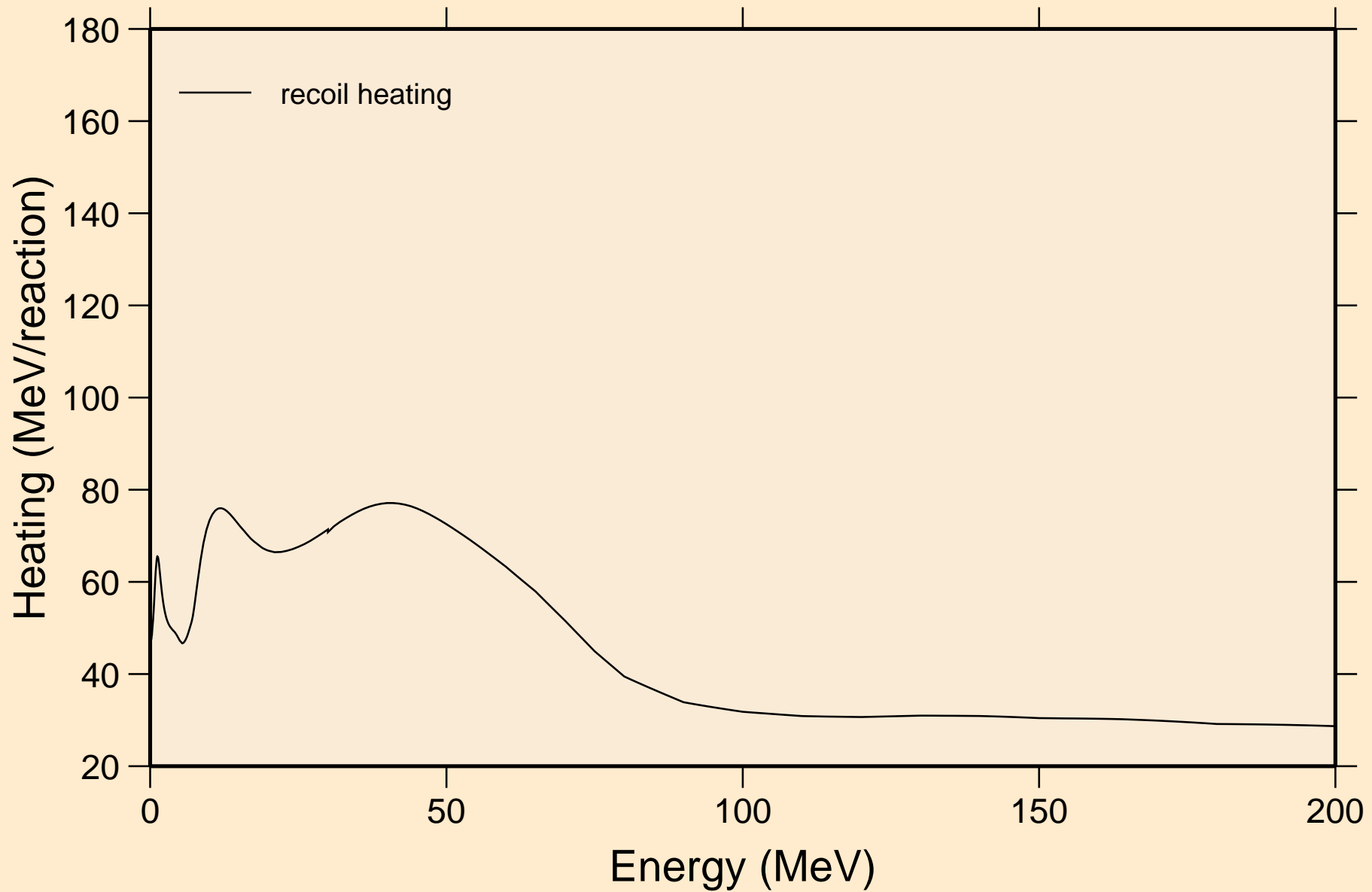
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Particle heating contributions



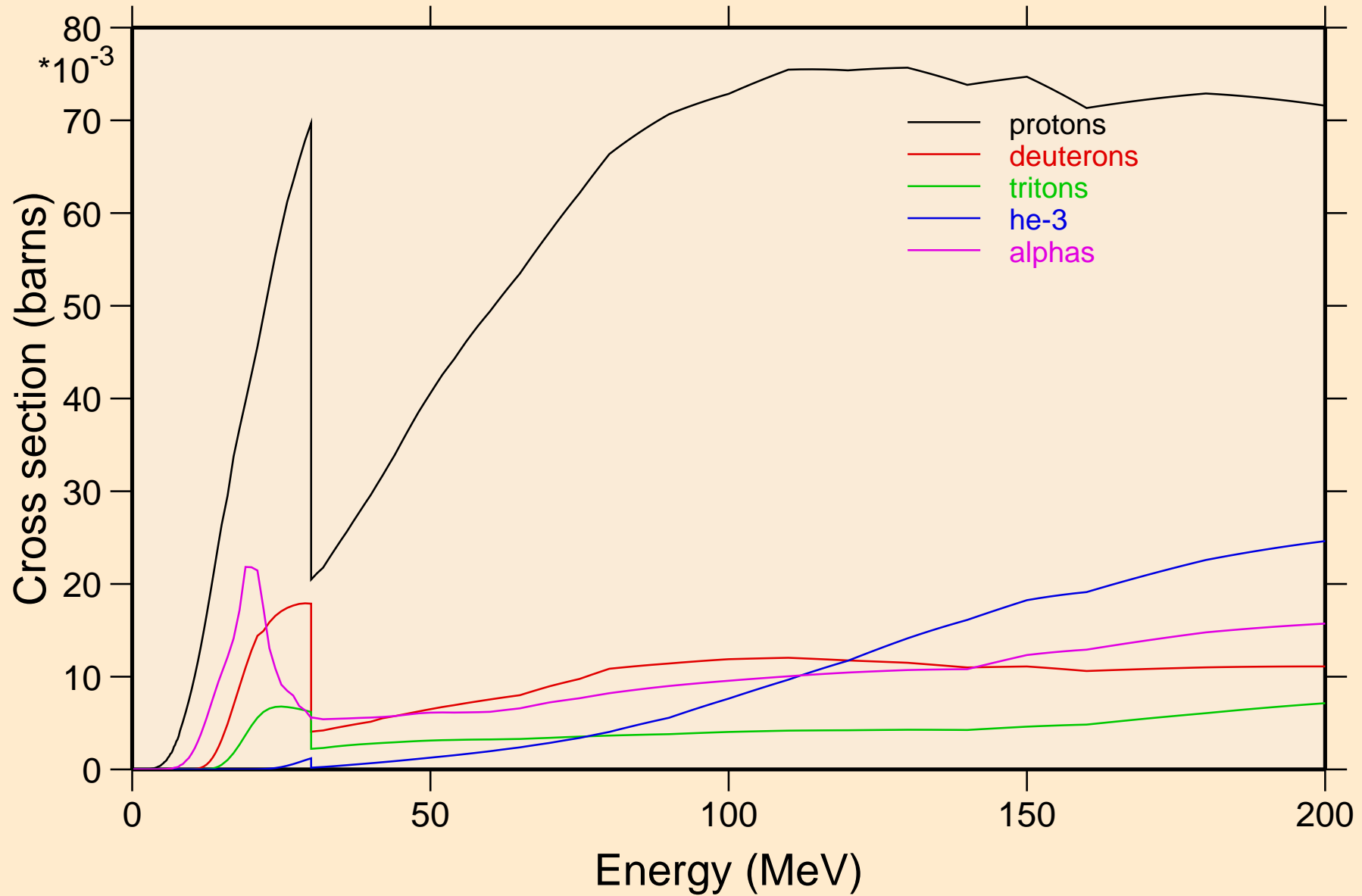
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Recoil Heating

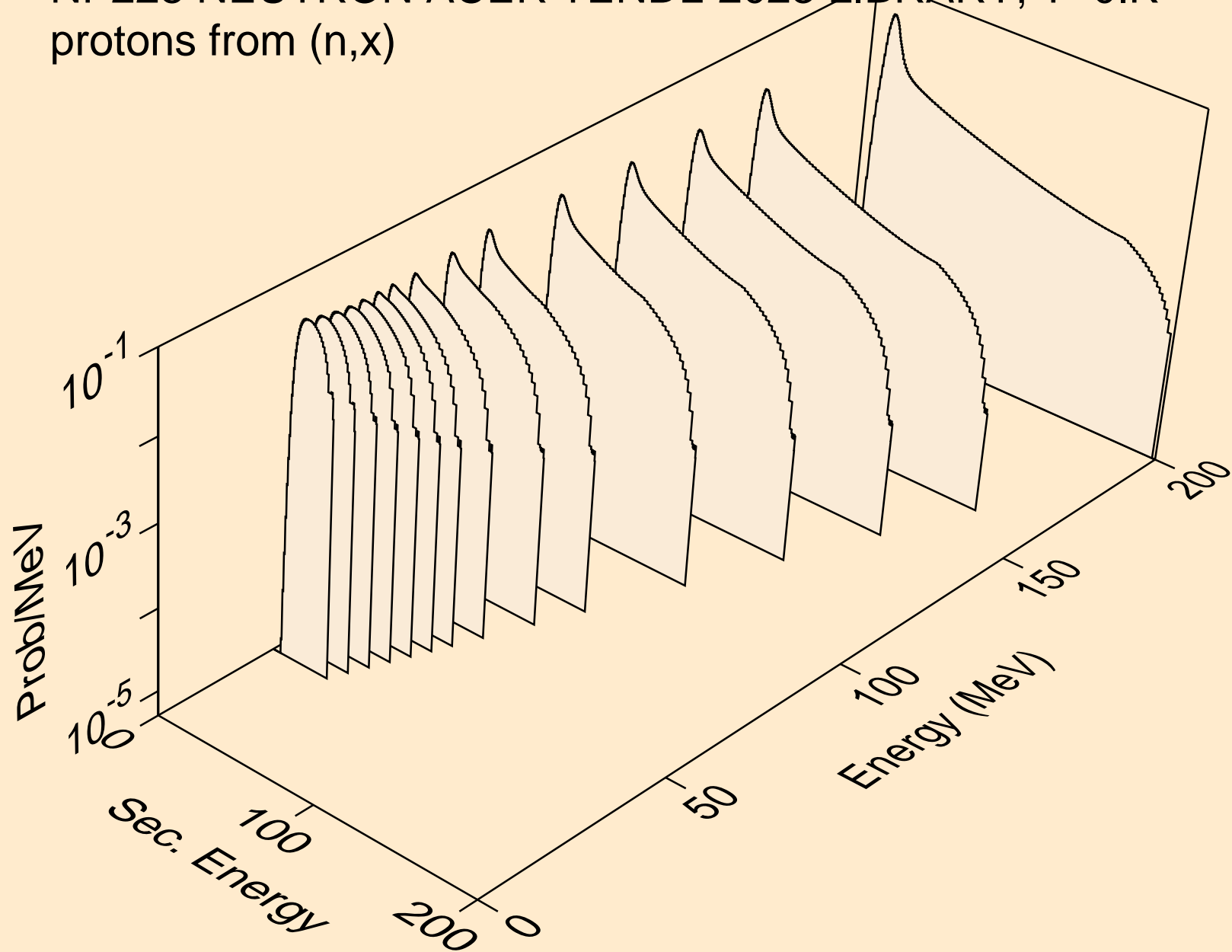


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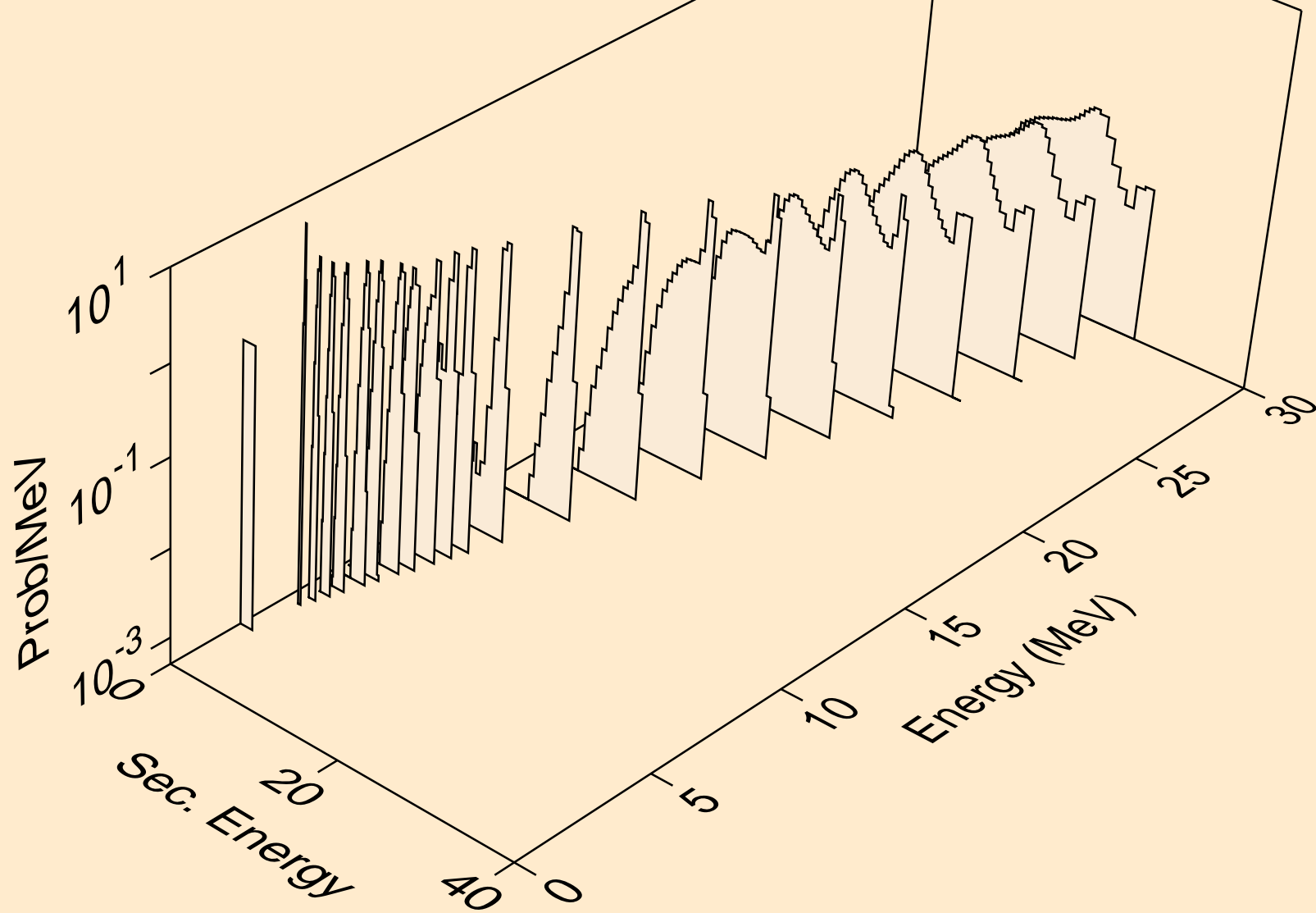
Particle production cross sections



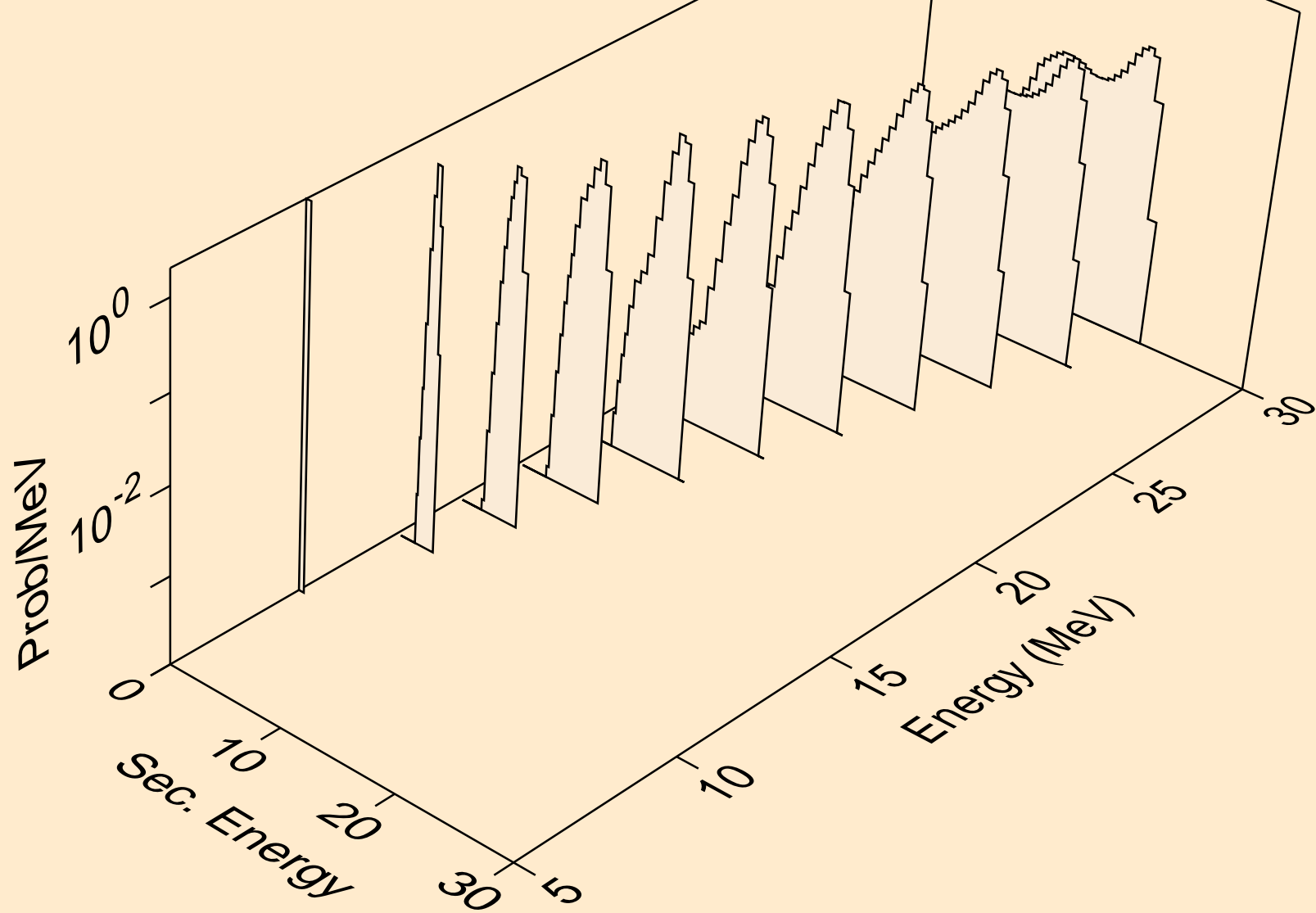
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



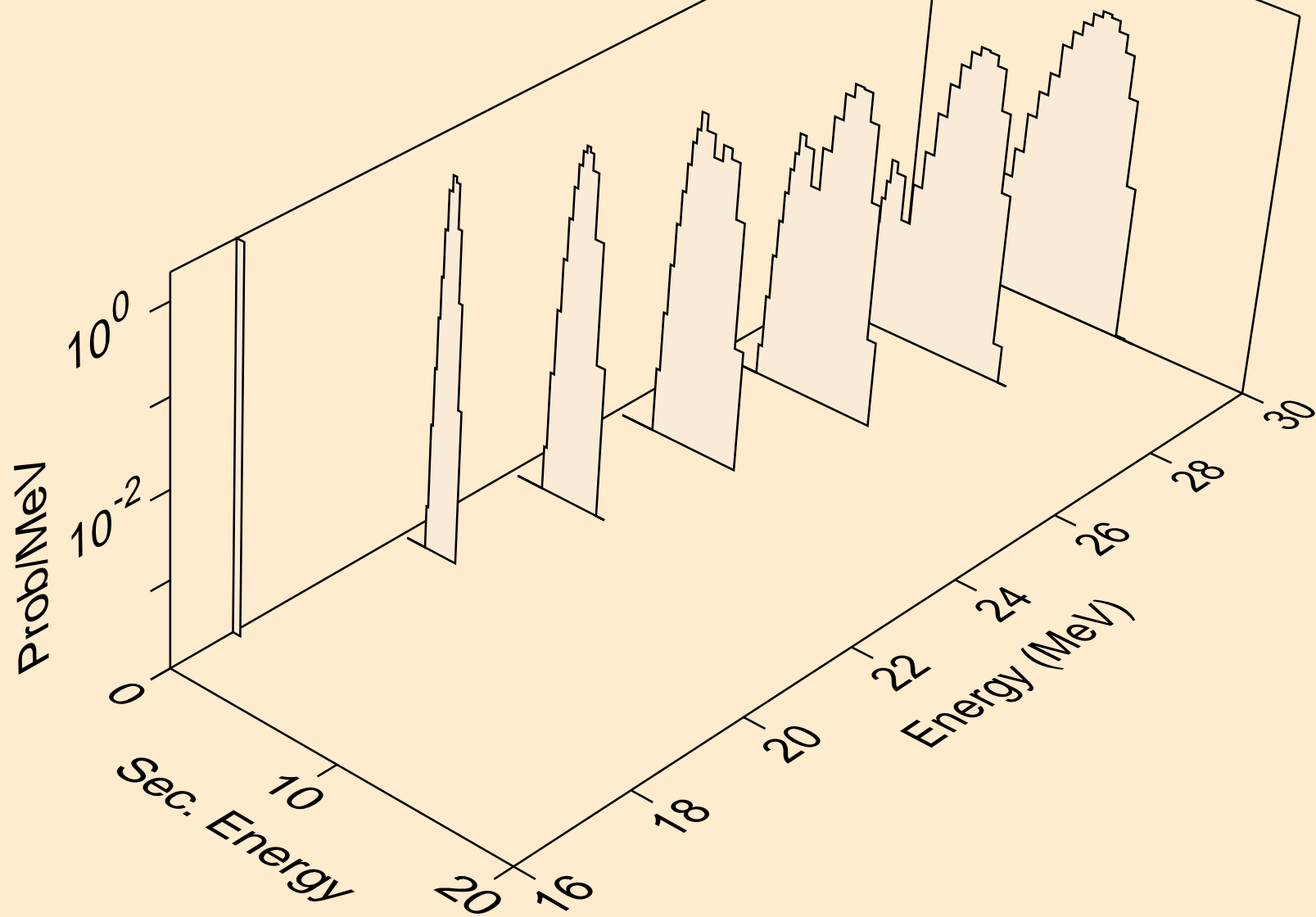
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protons from (n,n*)p



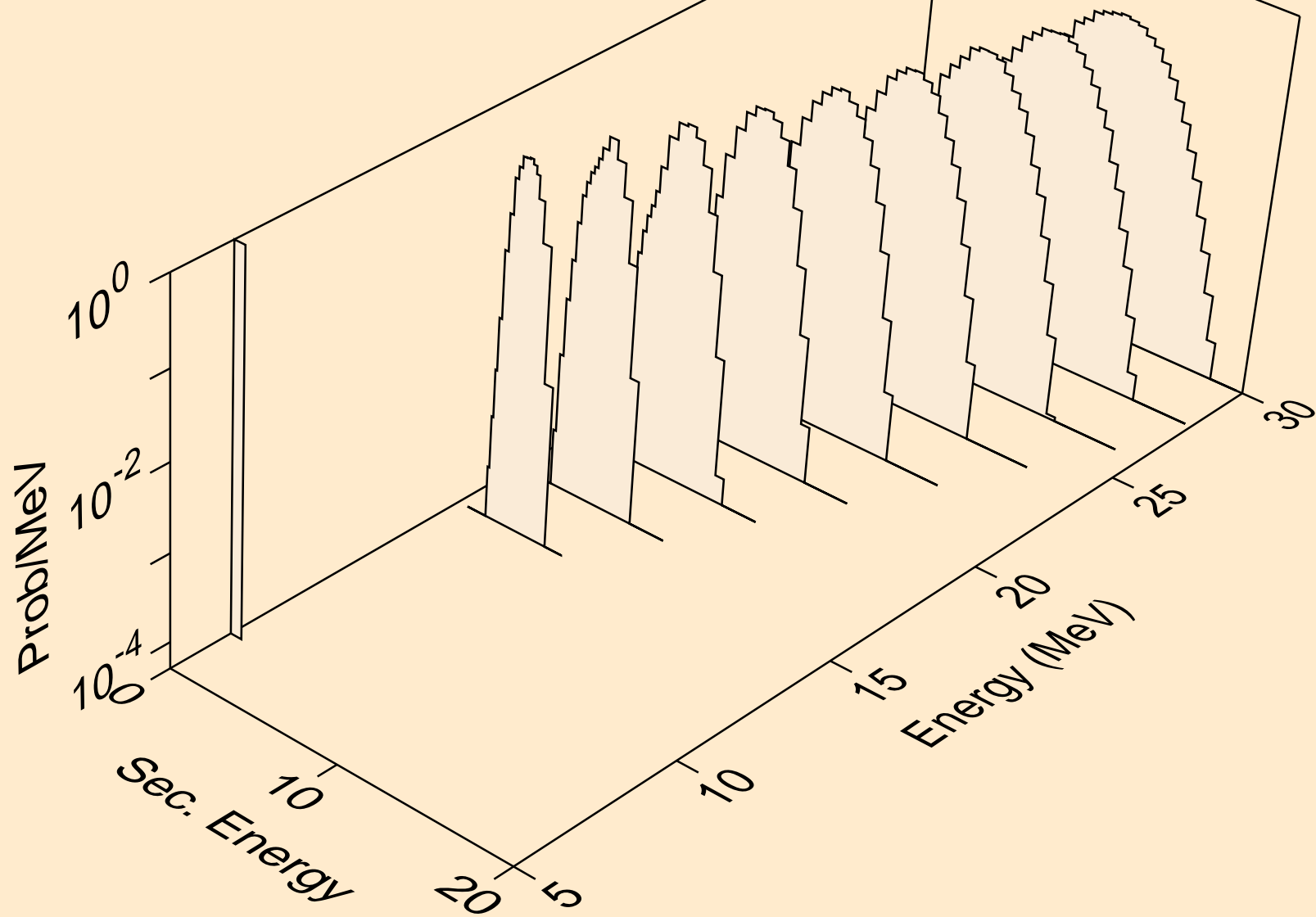
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protons from (n,2np)



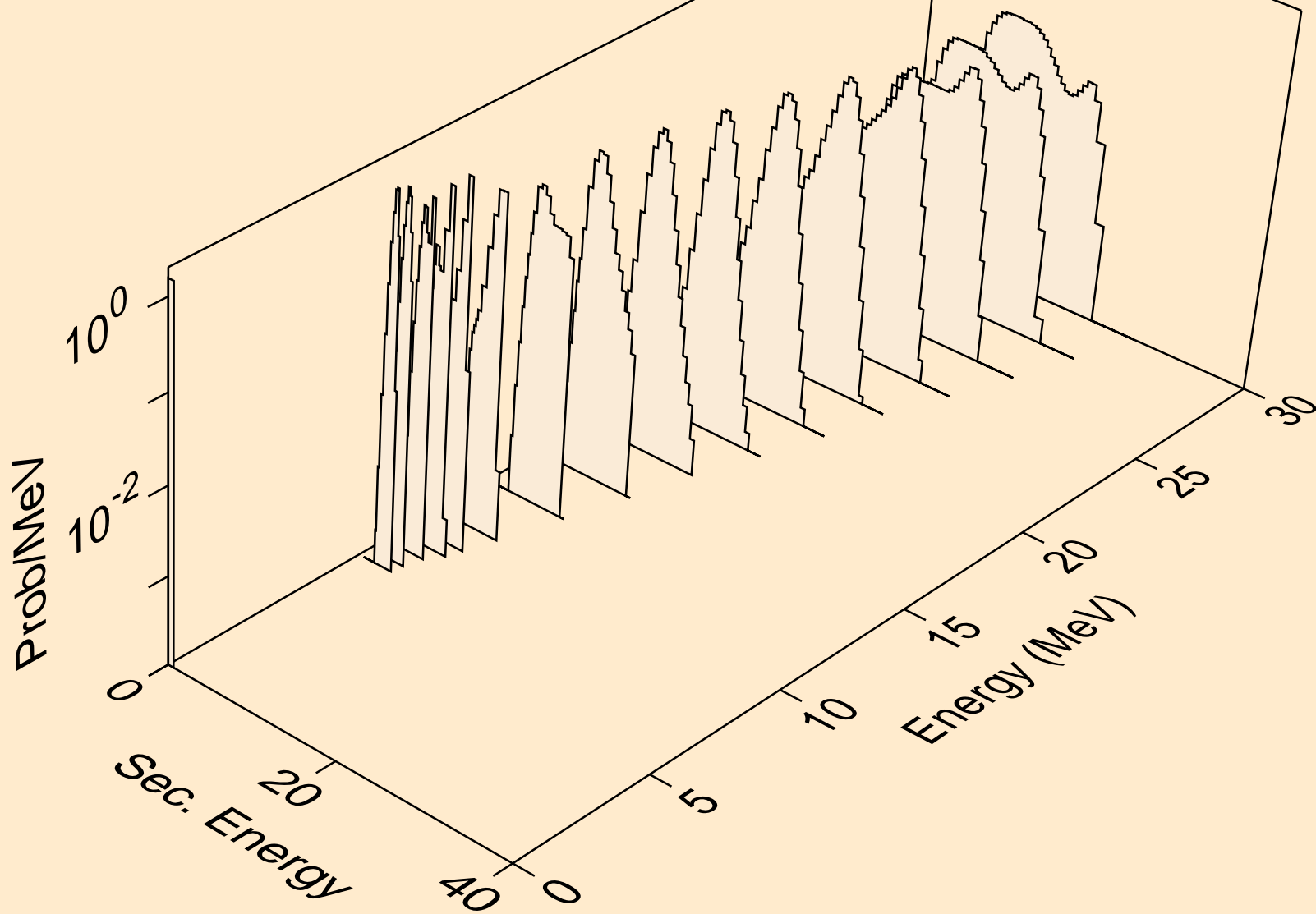
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protons from (n,3np)



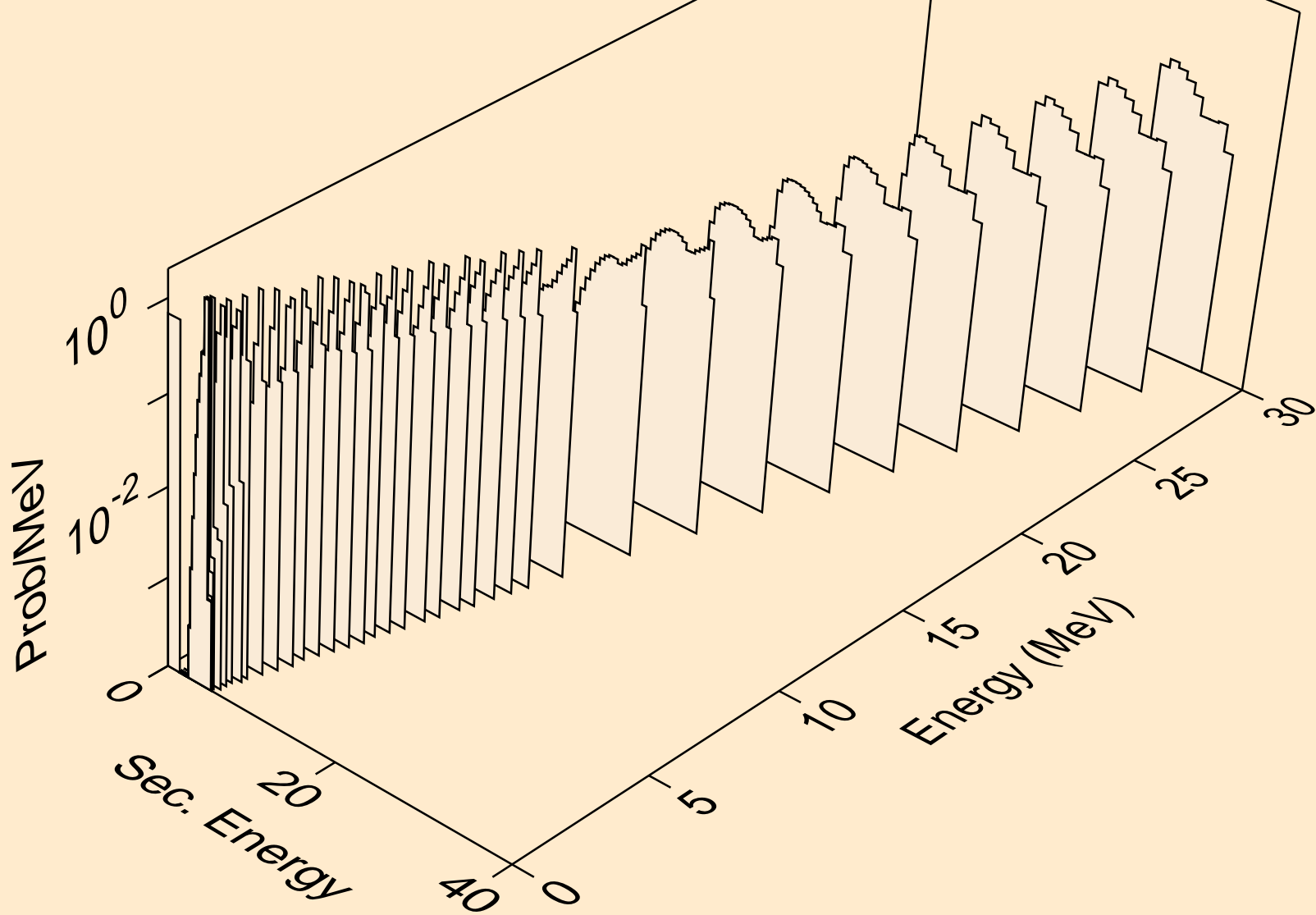
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protons from (n,n2p)



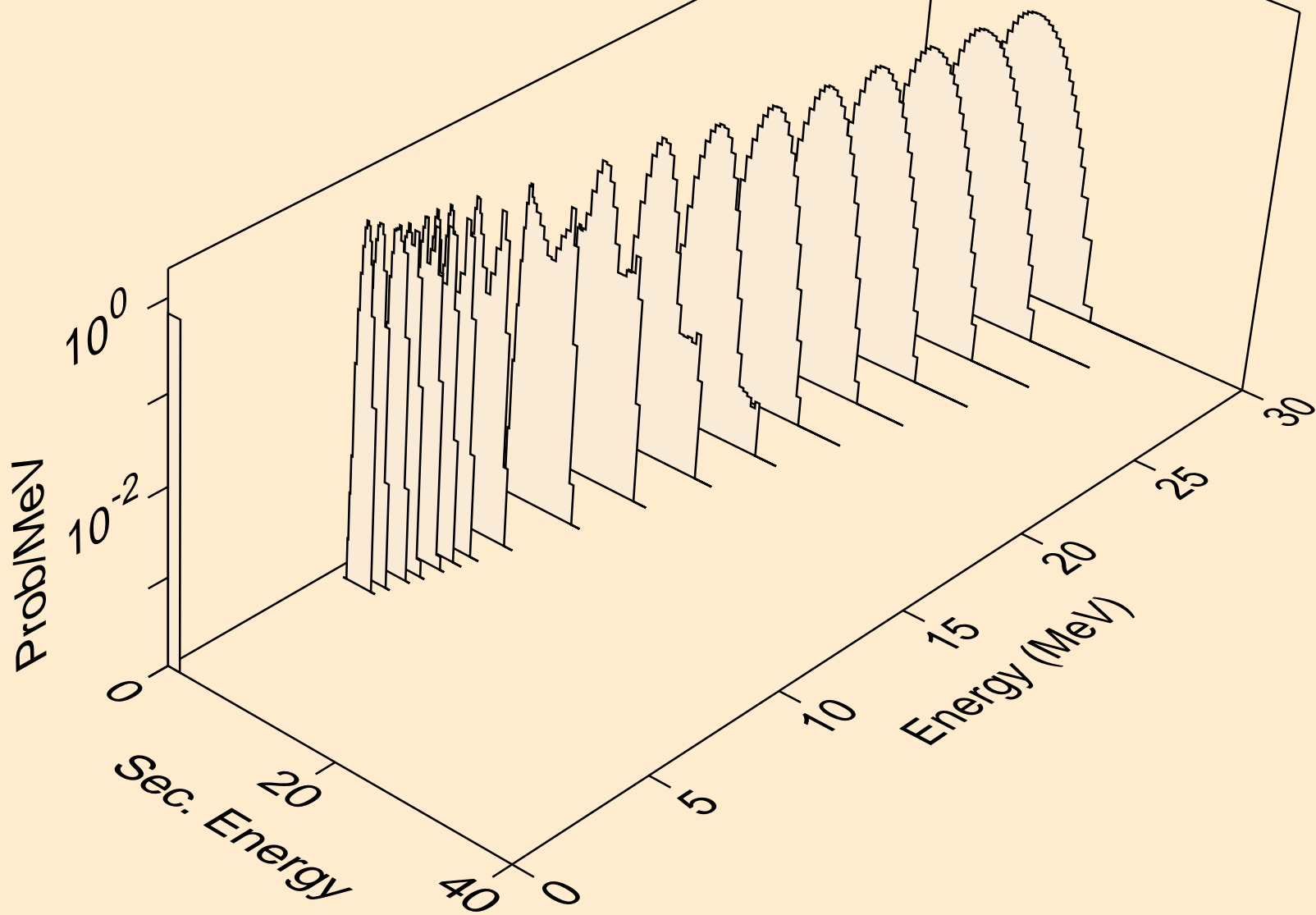
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protons from (n,npa)



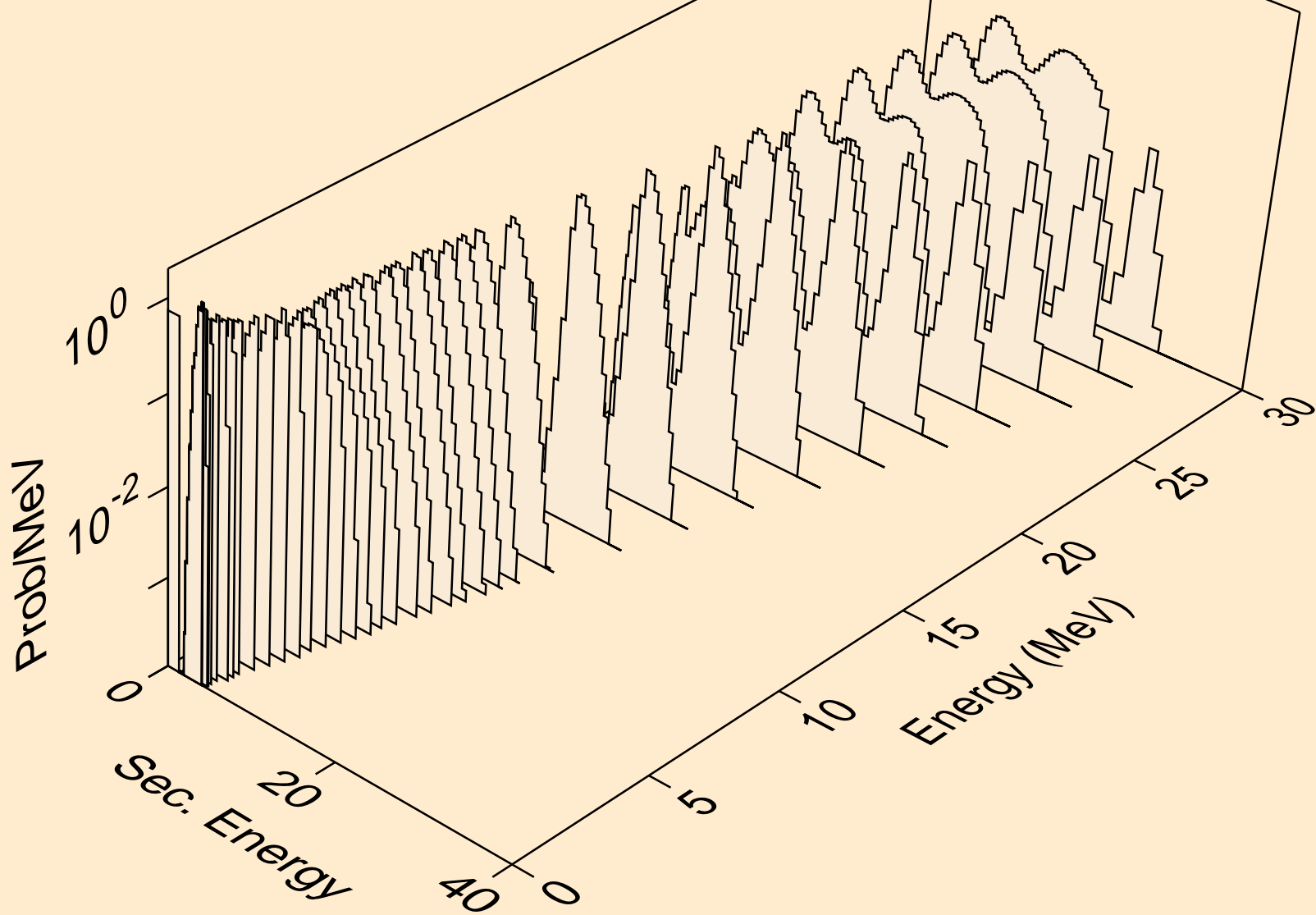
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protons from (n,p)



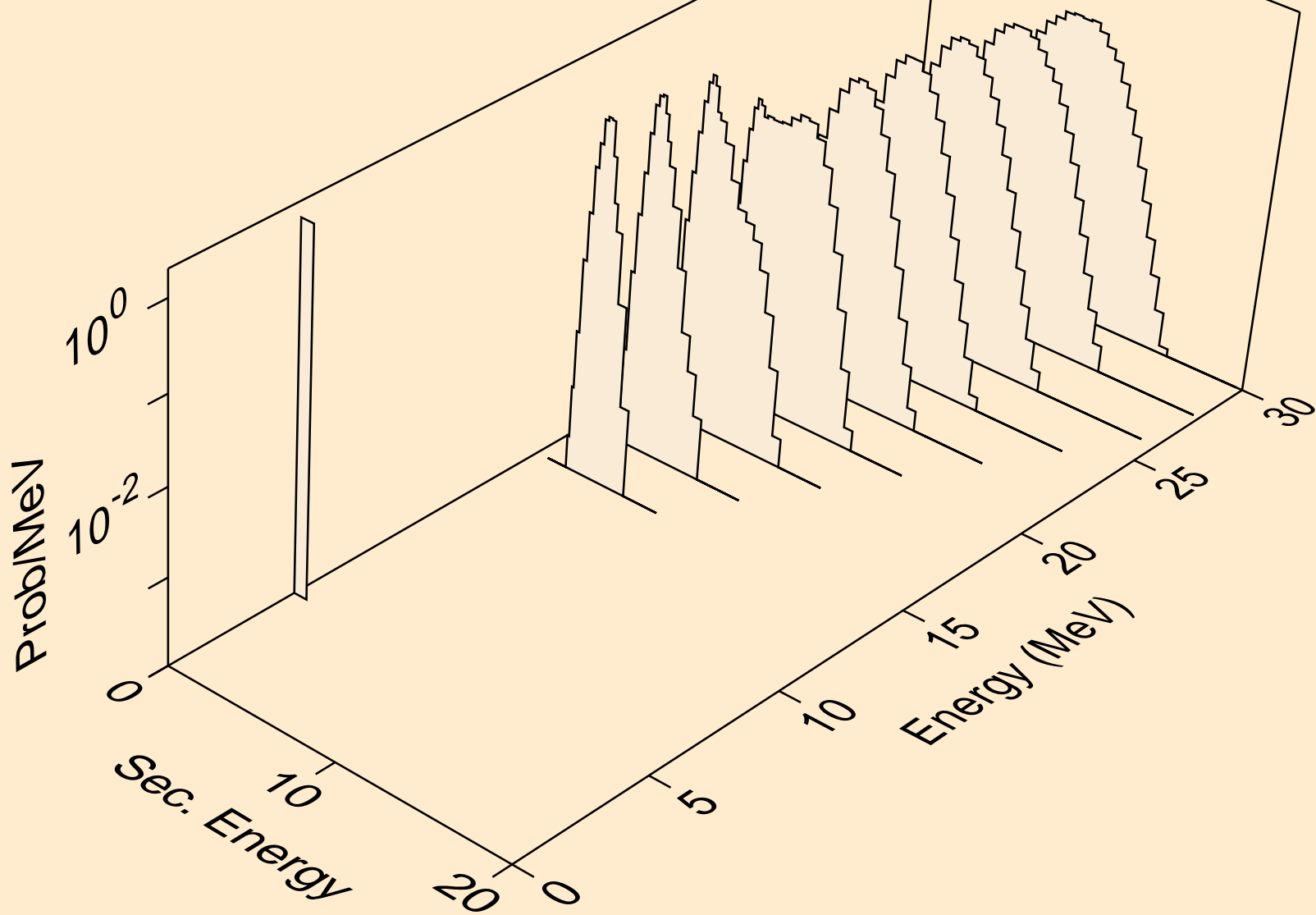
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protons from (n,2p)



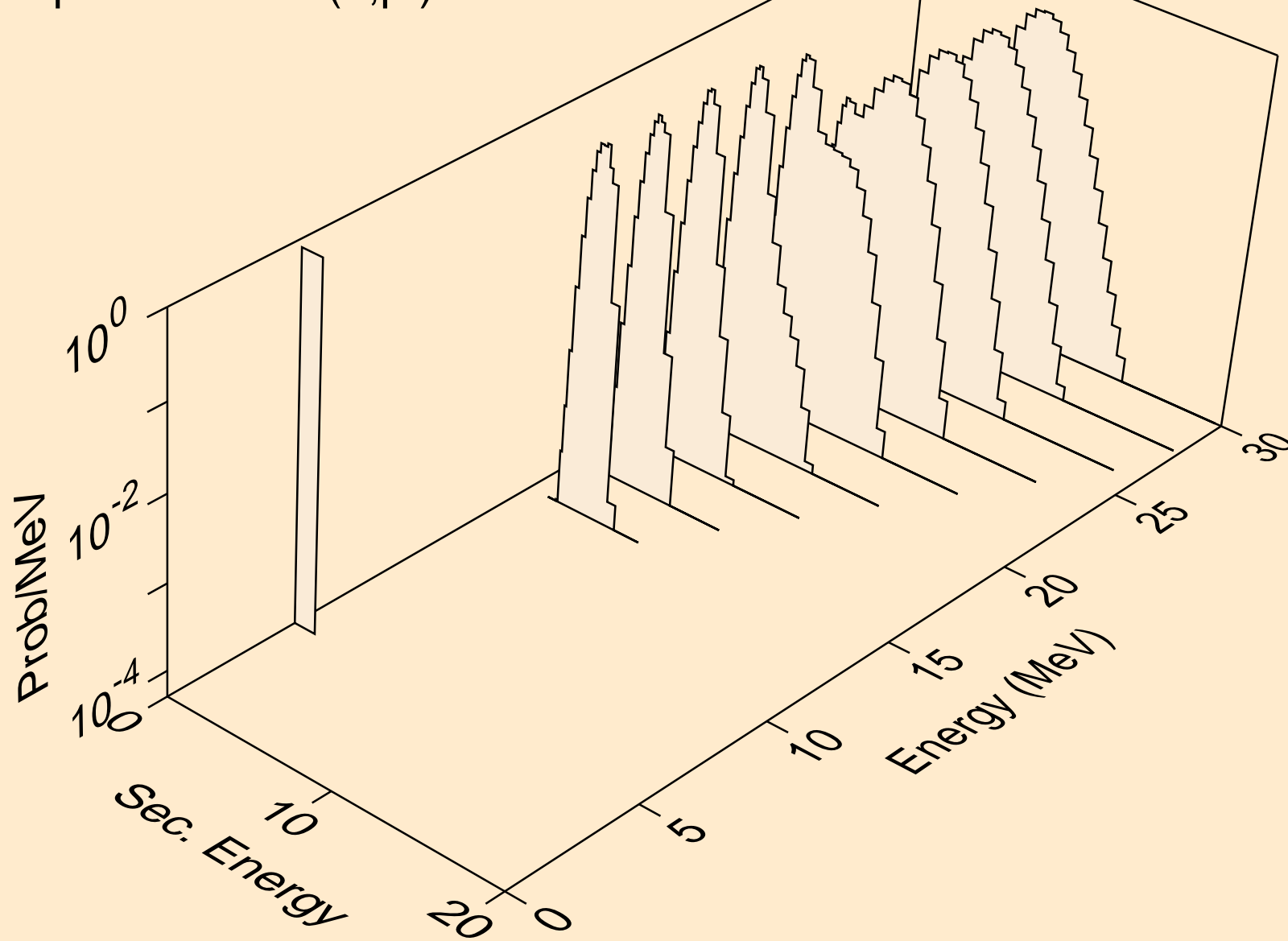
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protons from (n,p)



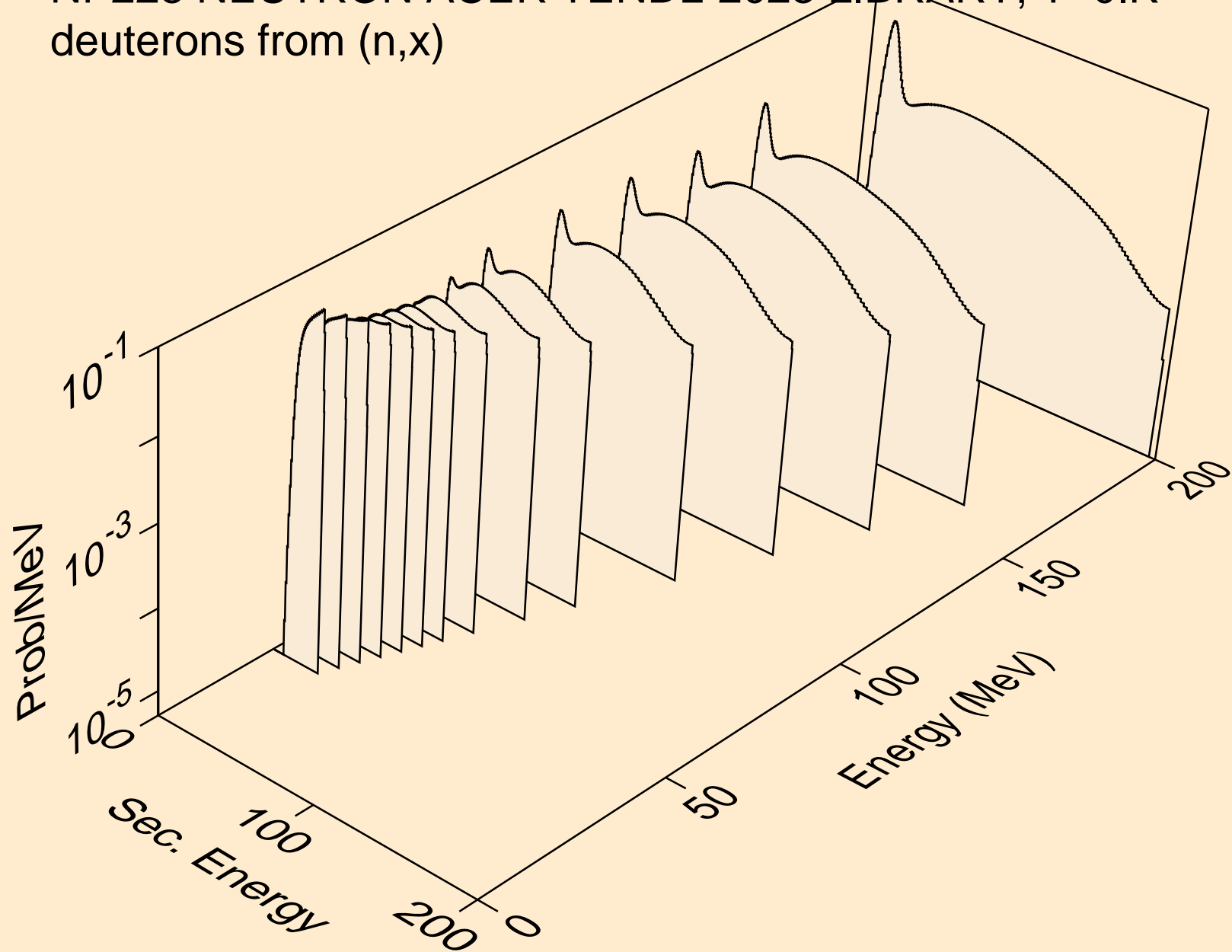
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



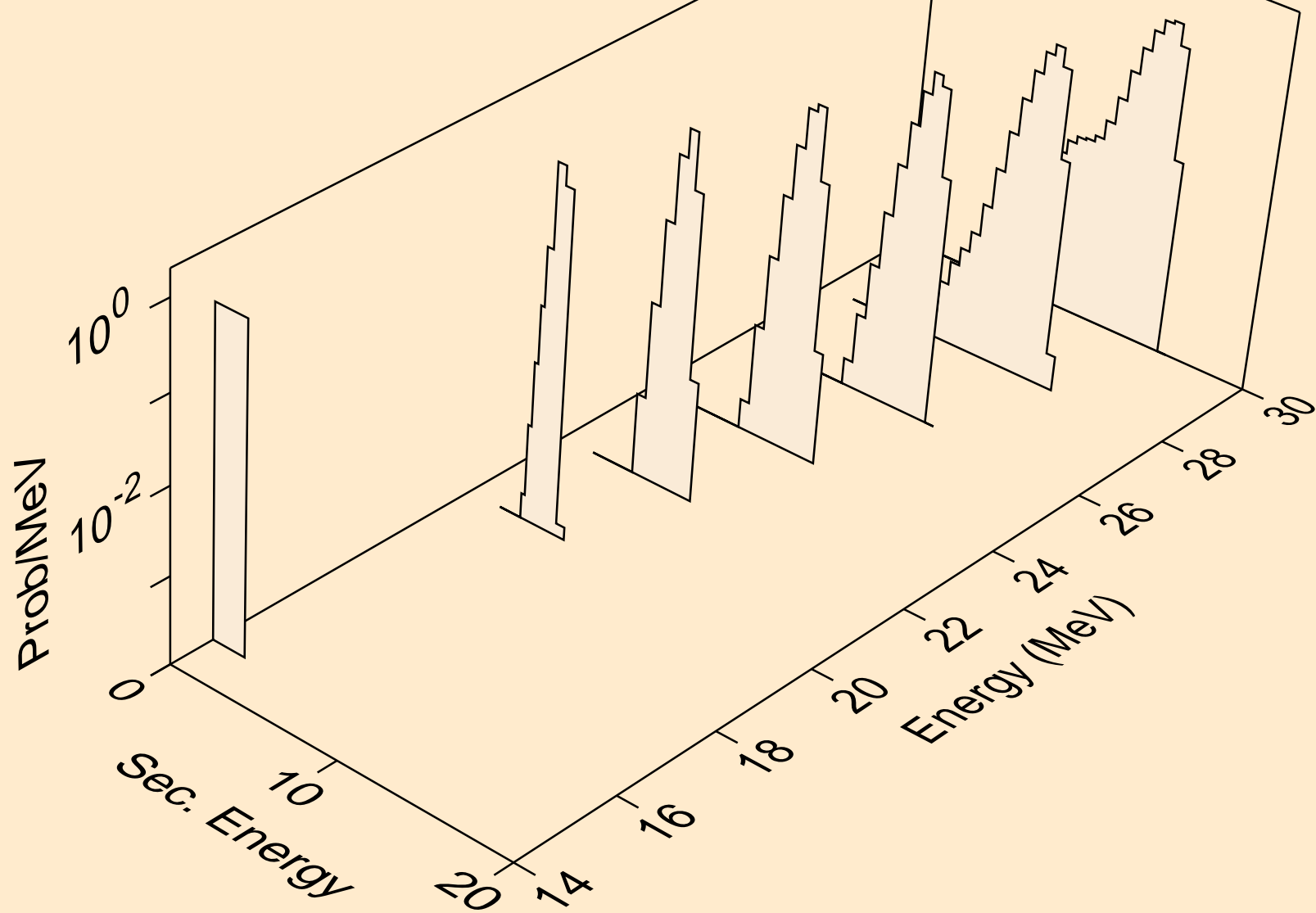
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protons from (n,pt)



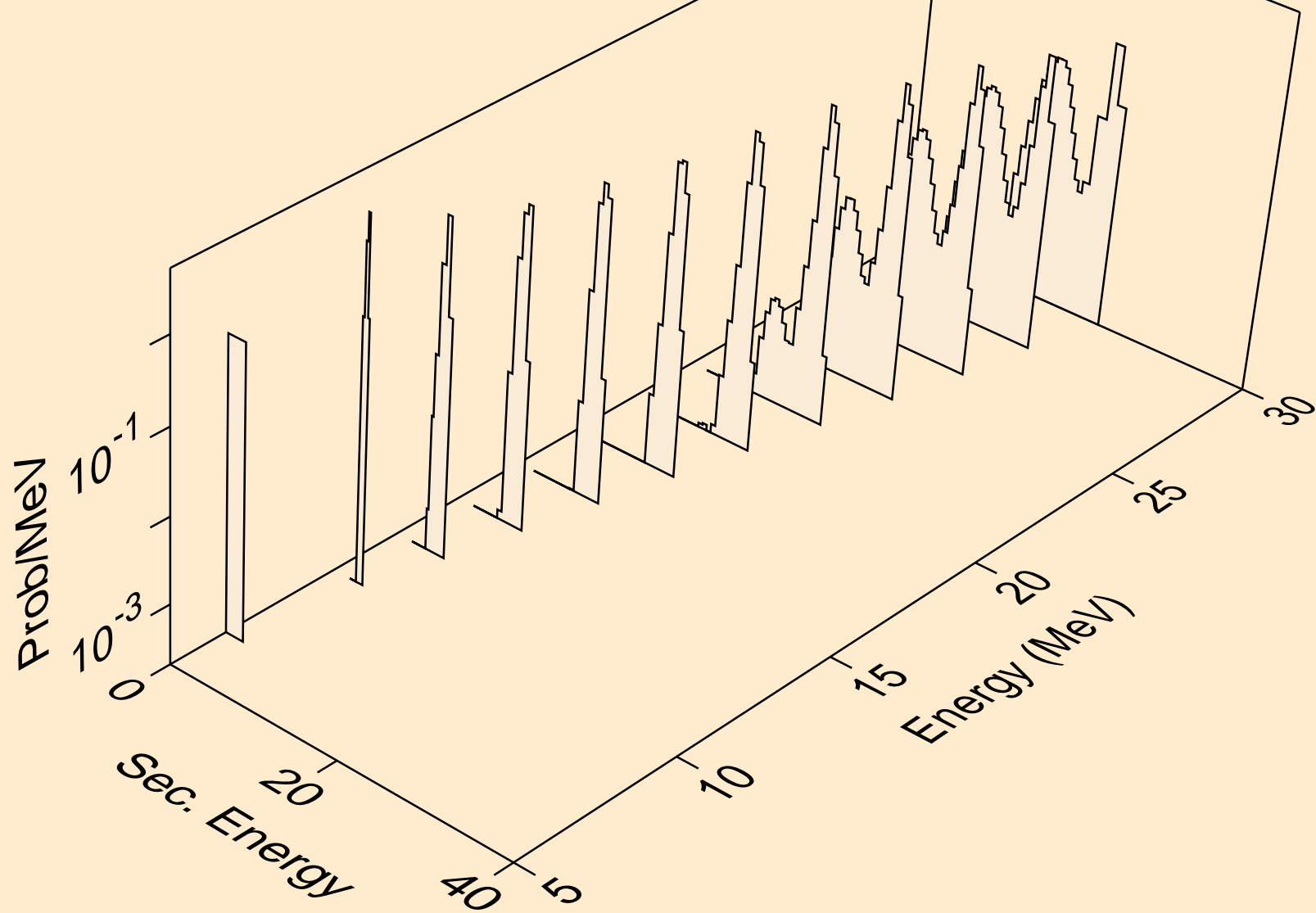
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deuterons from (n,x)



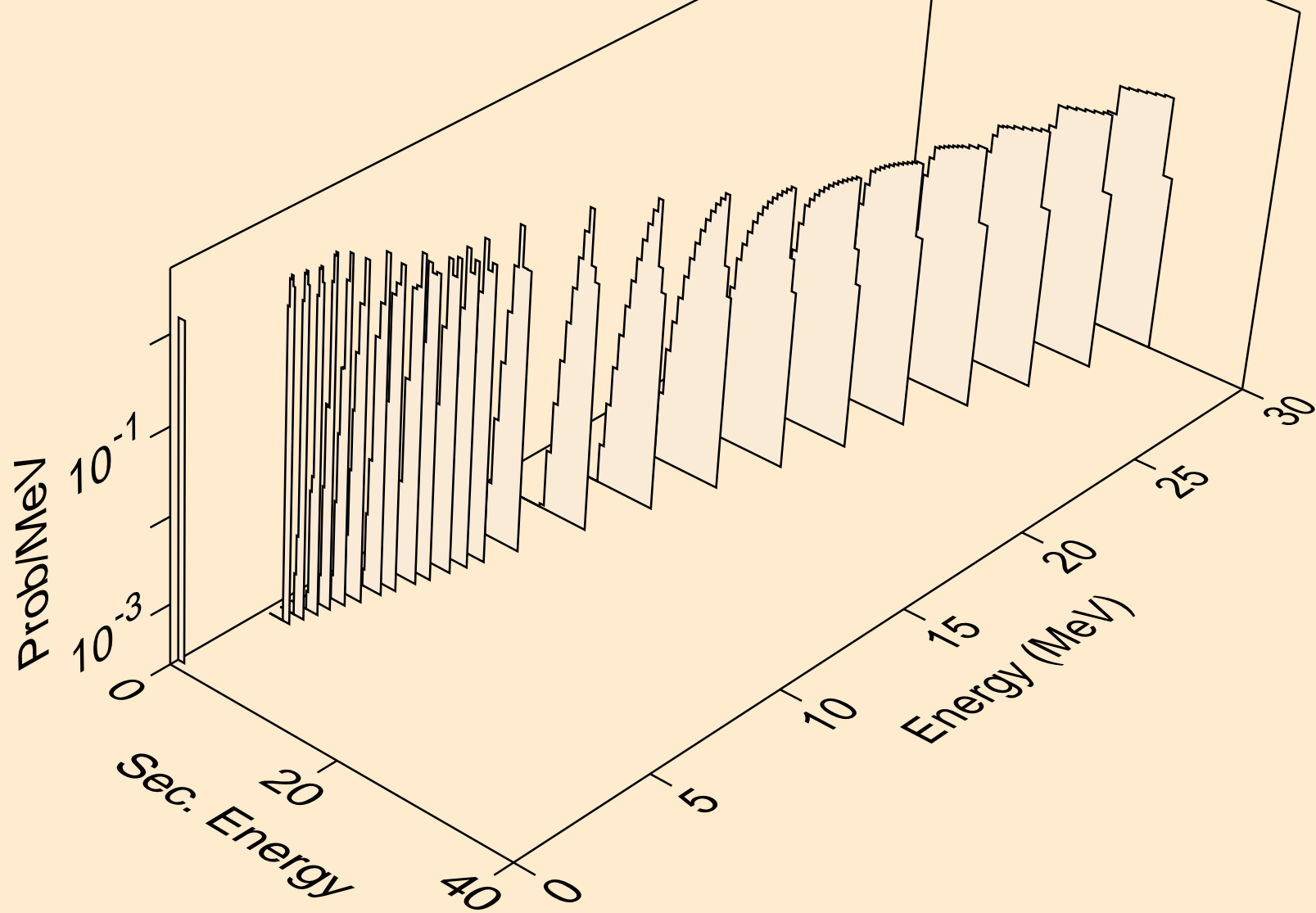
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deuterons from (n,2nd)



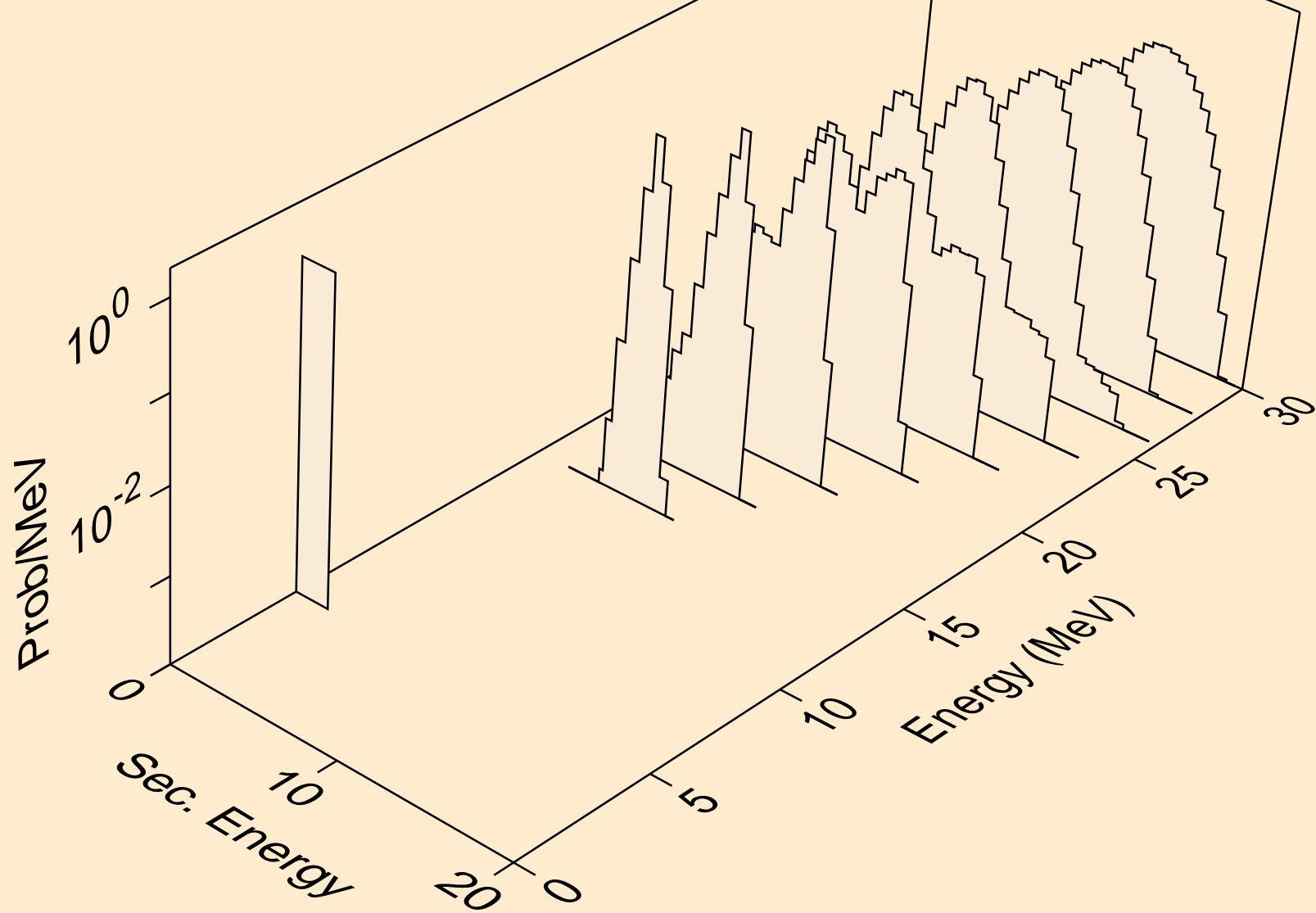
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



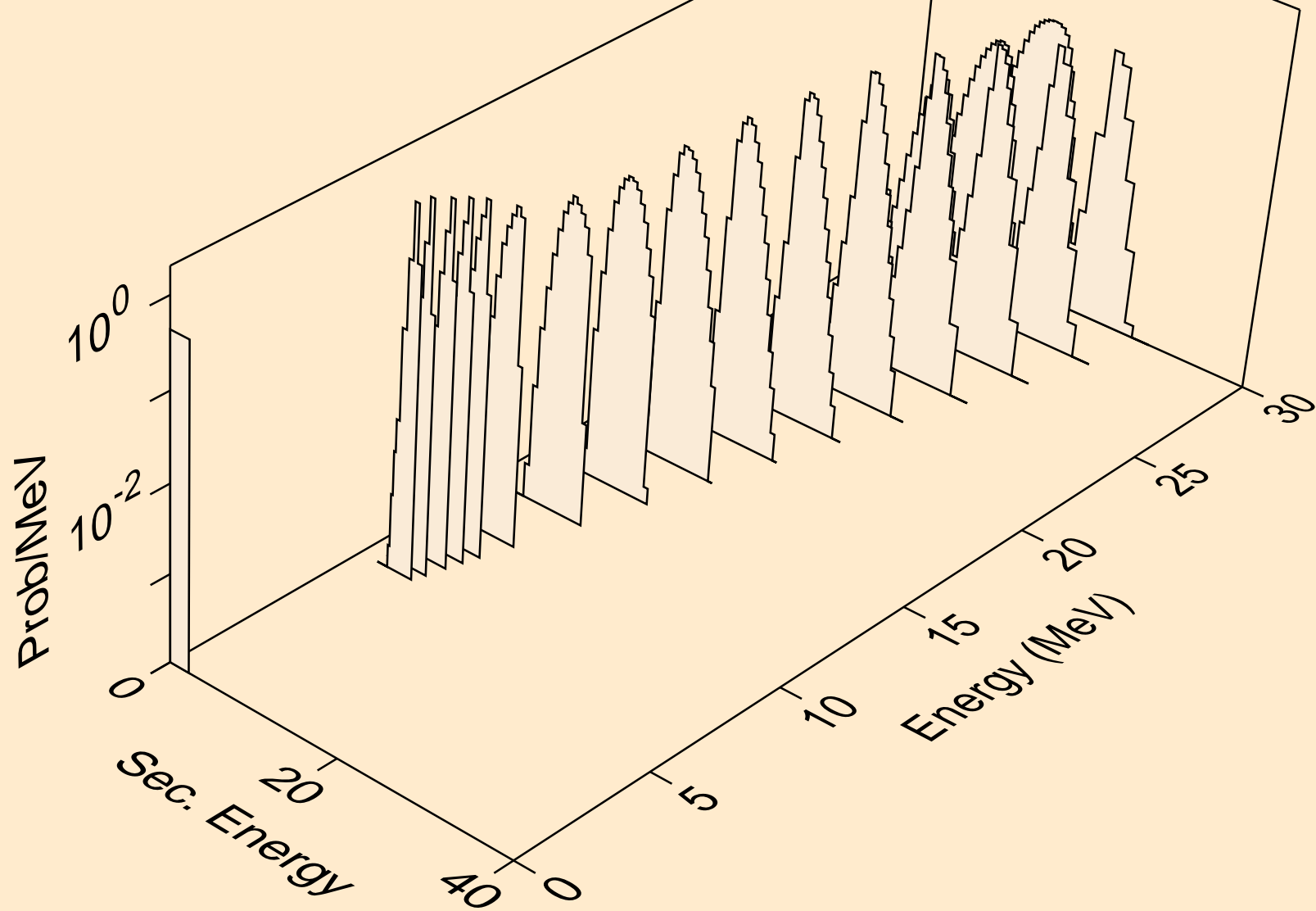
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deuterons from (n,d)



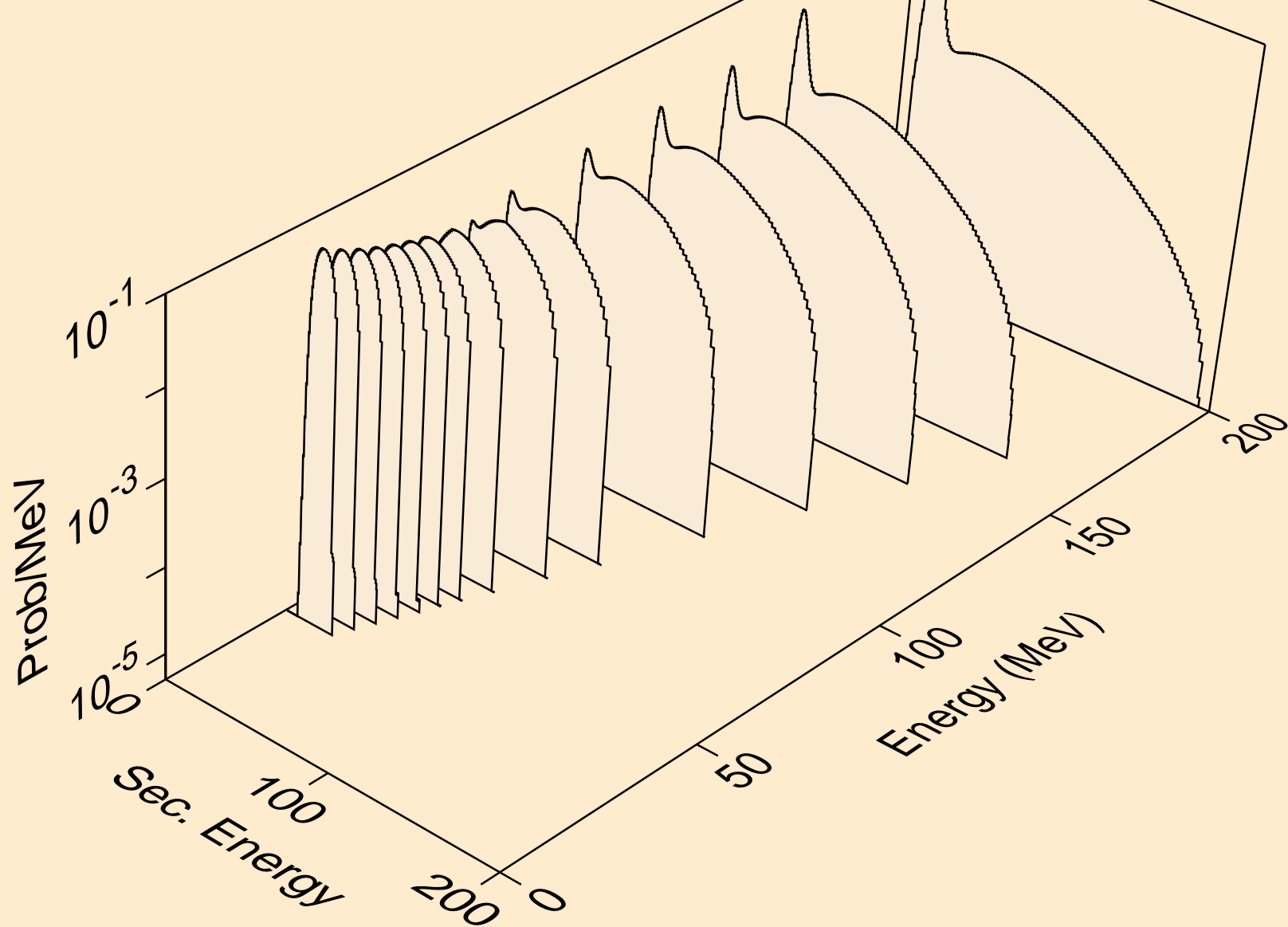
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deuterons from (n,pd)



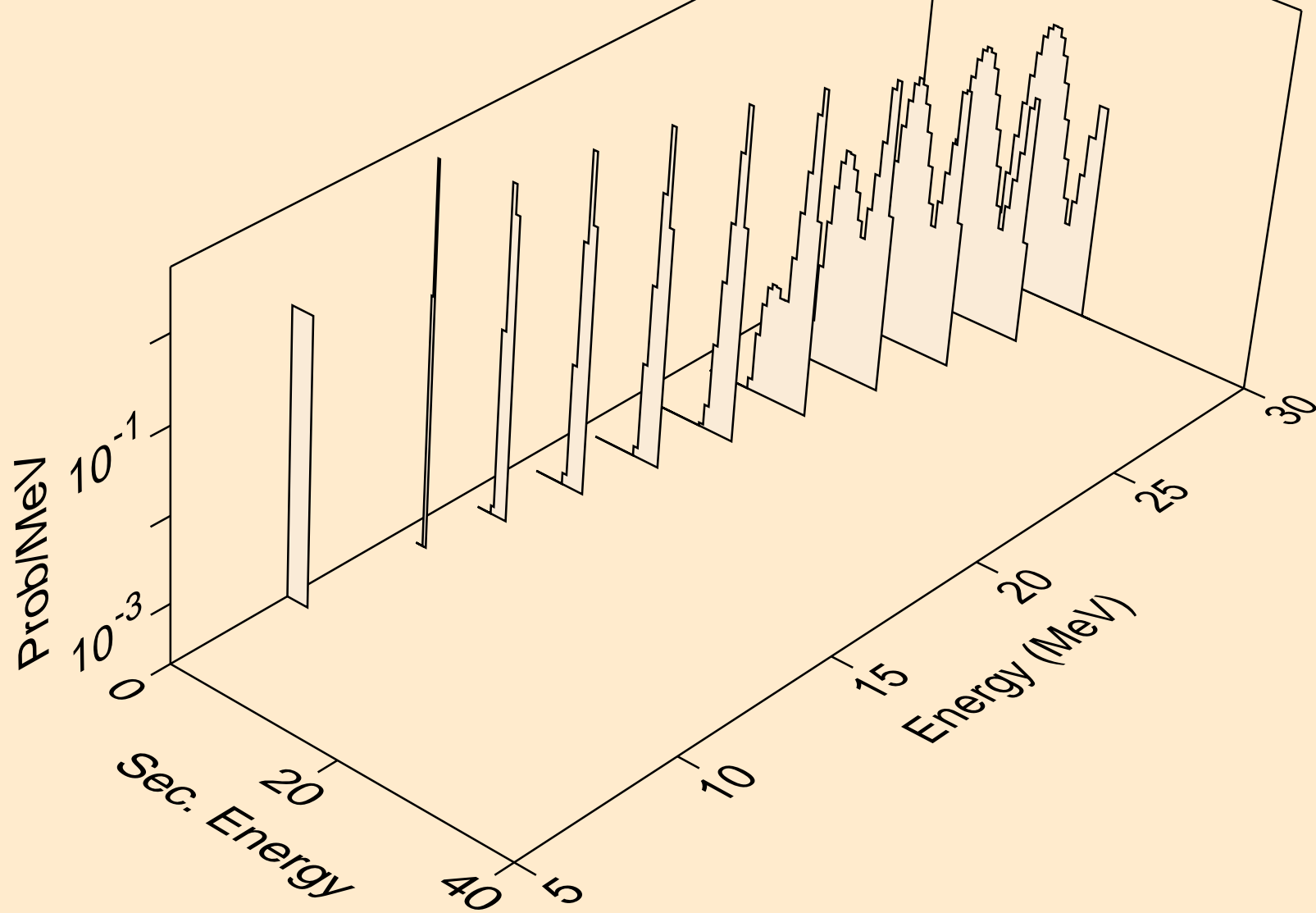
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deuterons from (n,da)



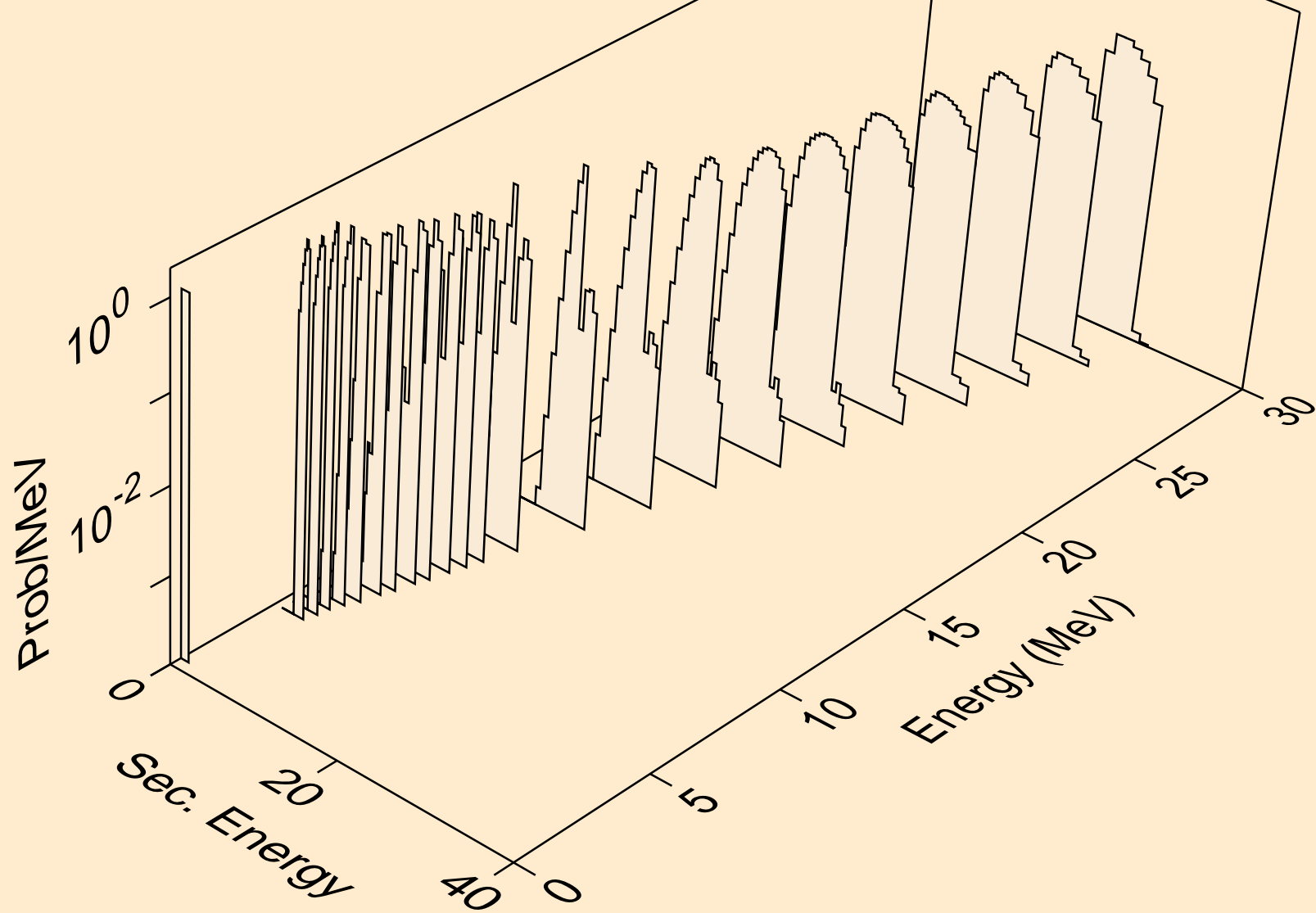
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tritons from (n,x)



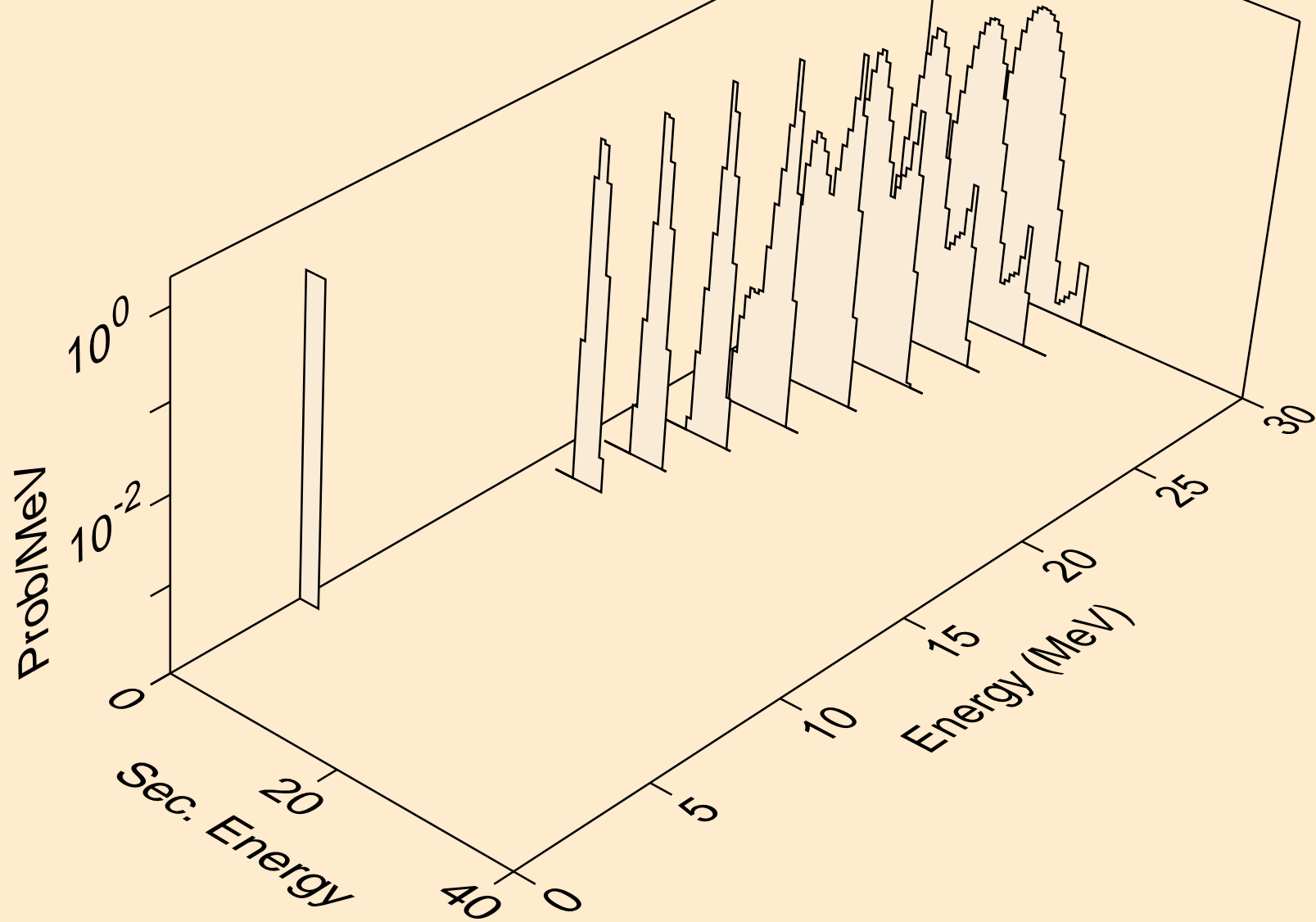
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tritons from (n,n*)t



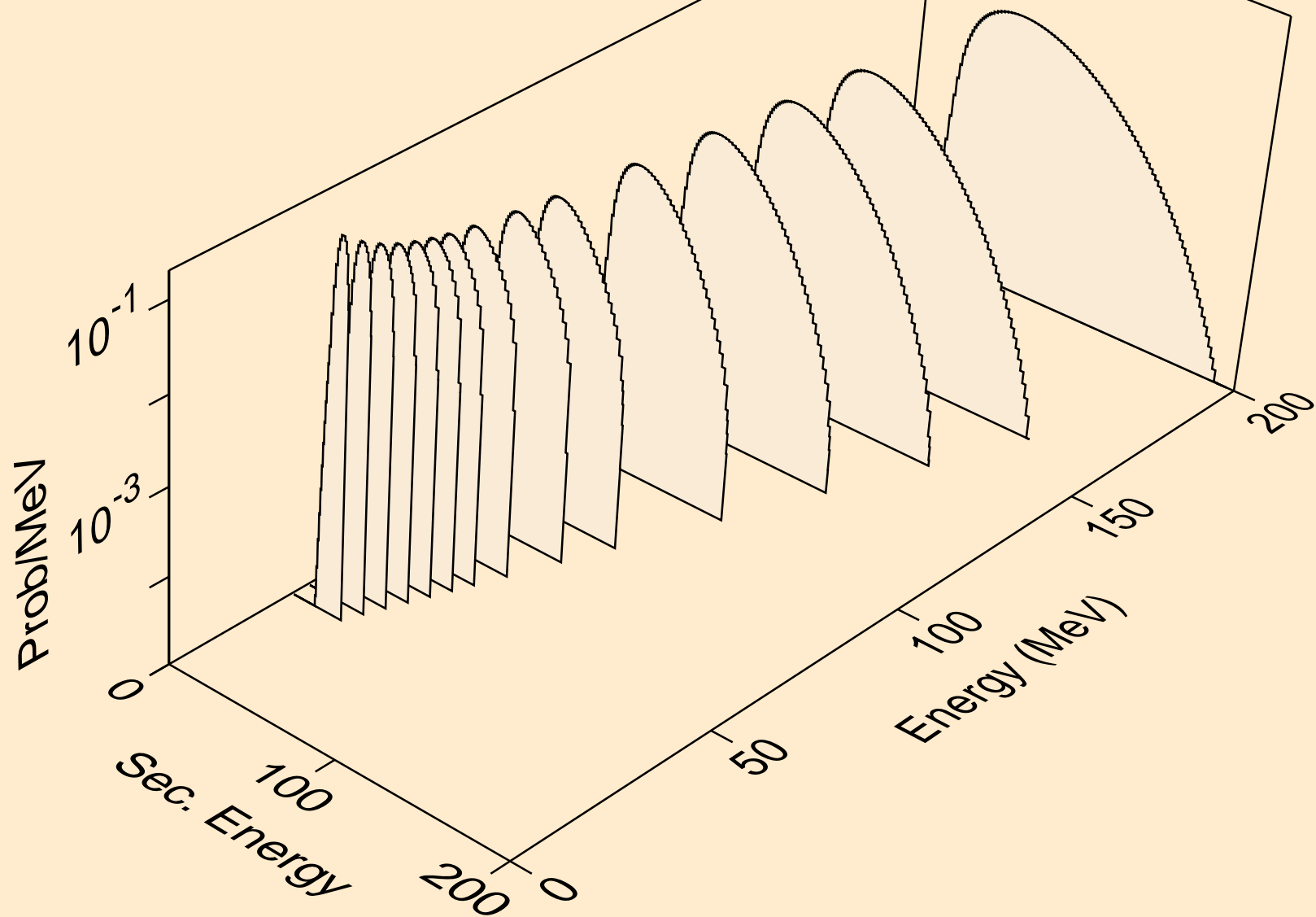
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tritons from (n,t)



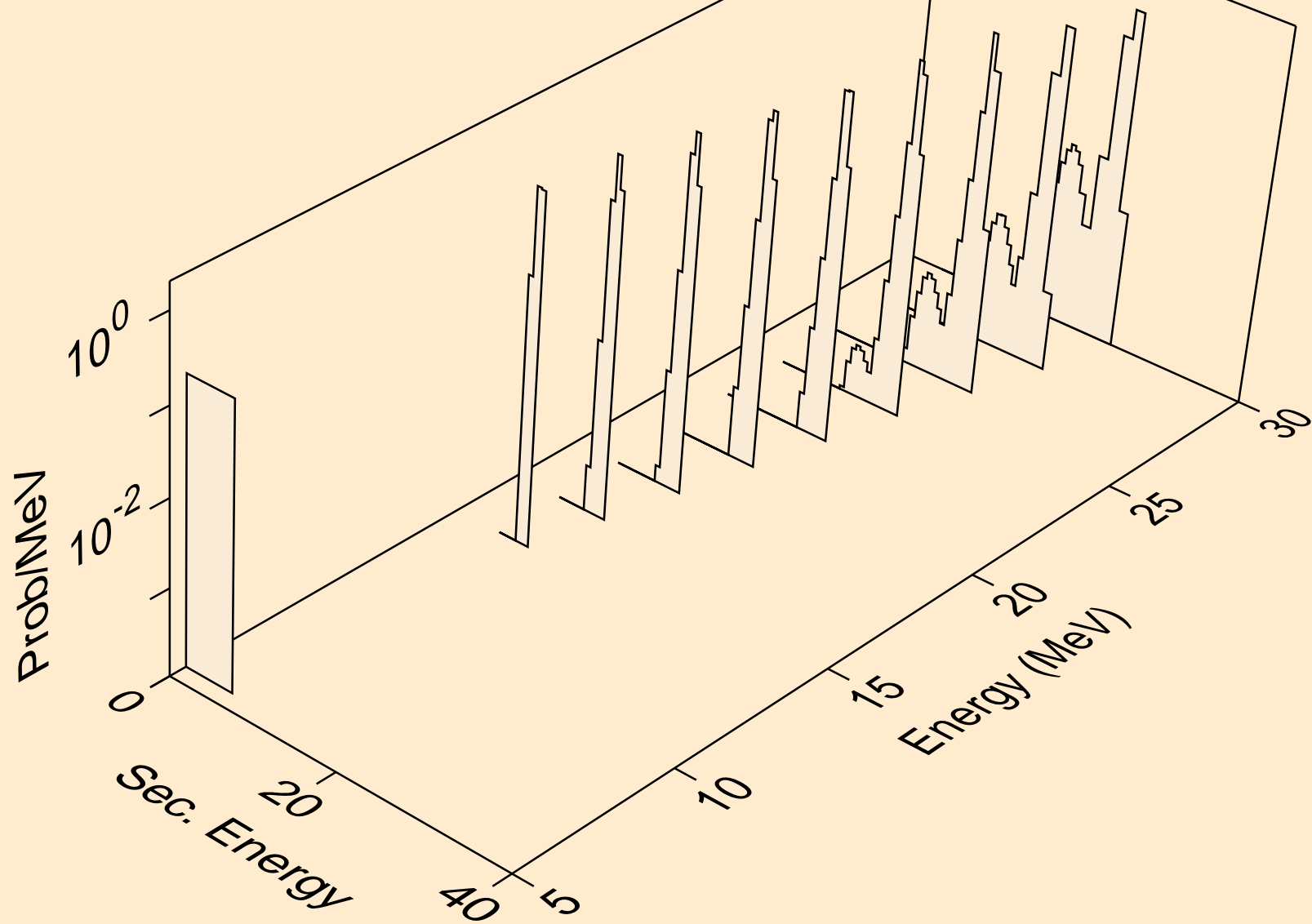
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tritons from (n,pt)



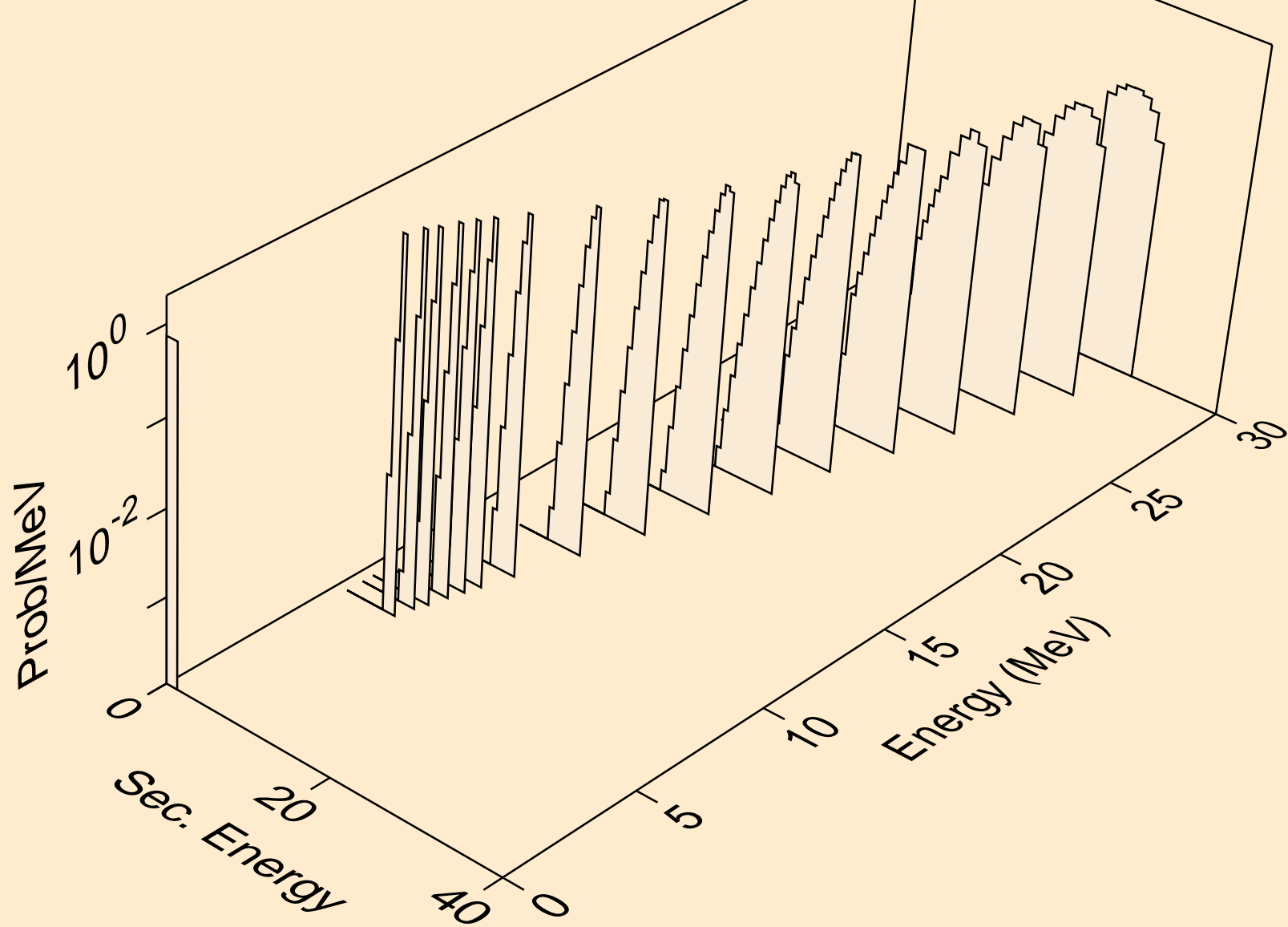
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he3s from (n,x)



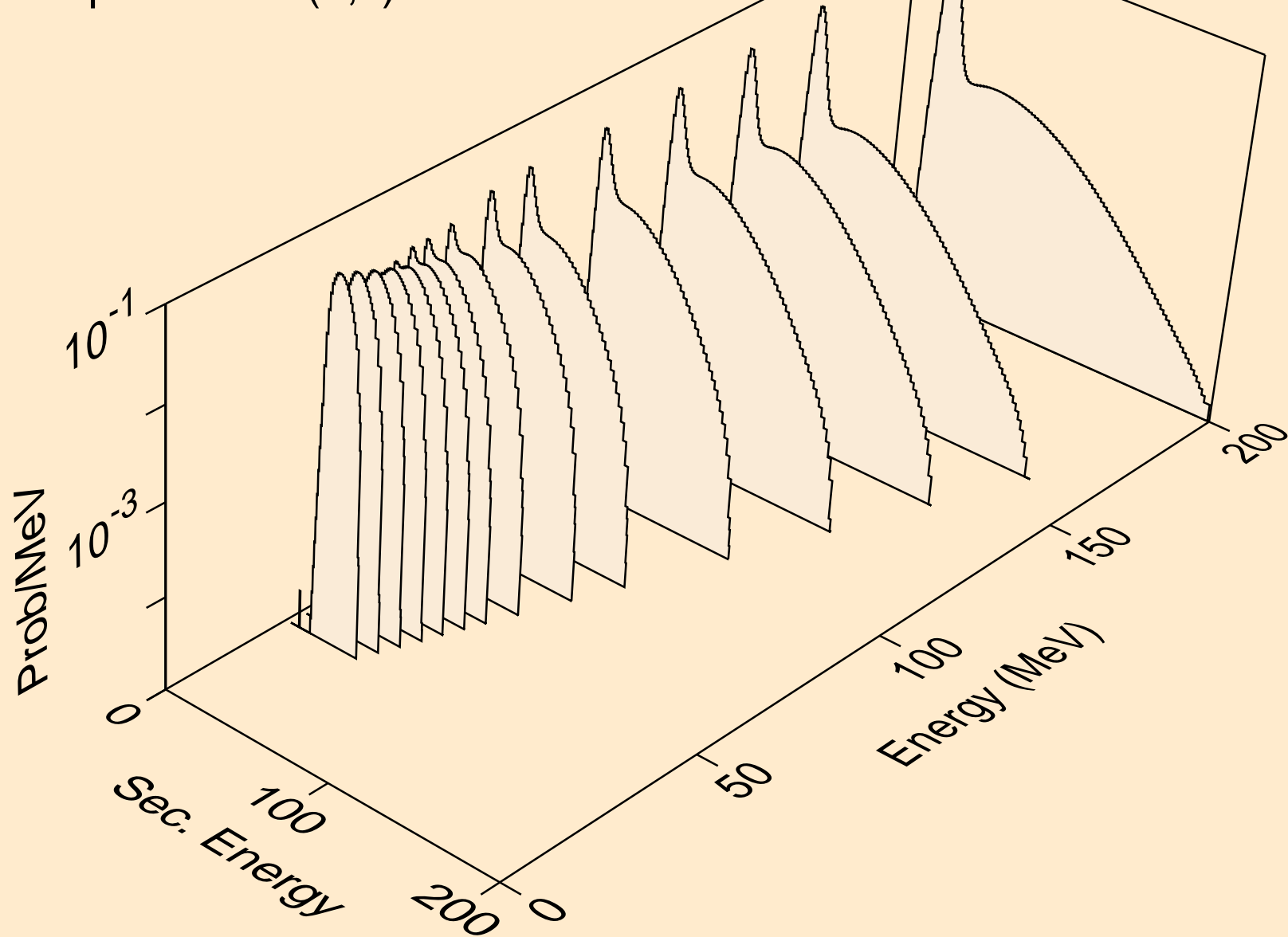
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



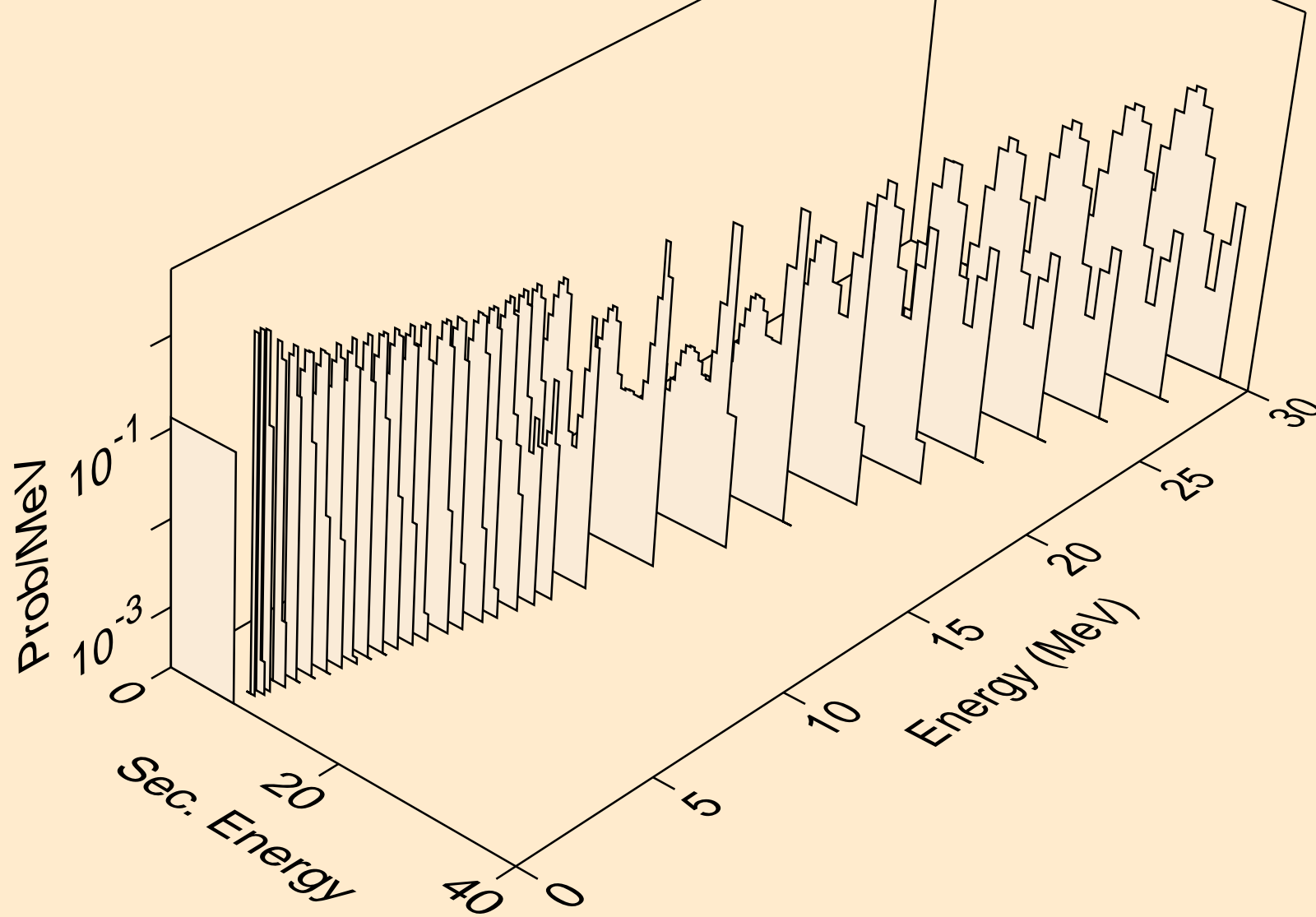
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



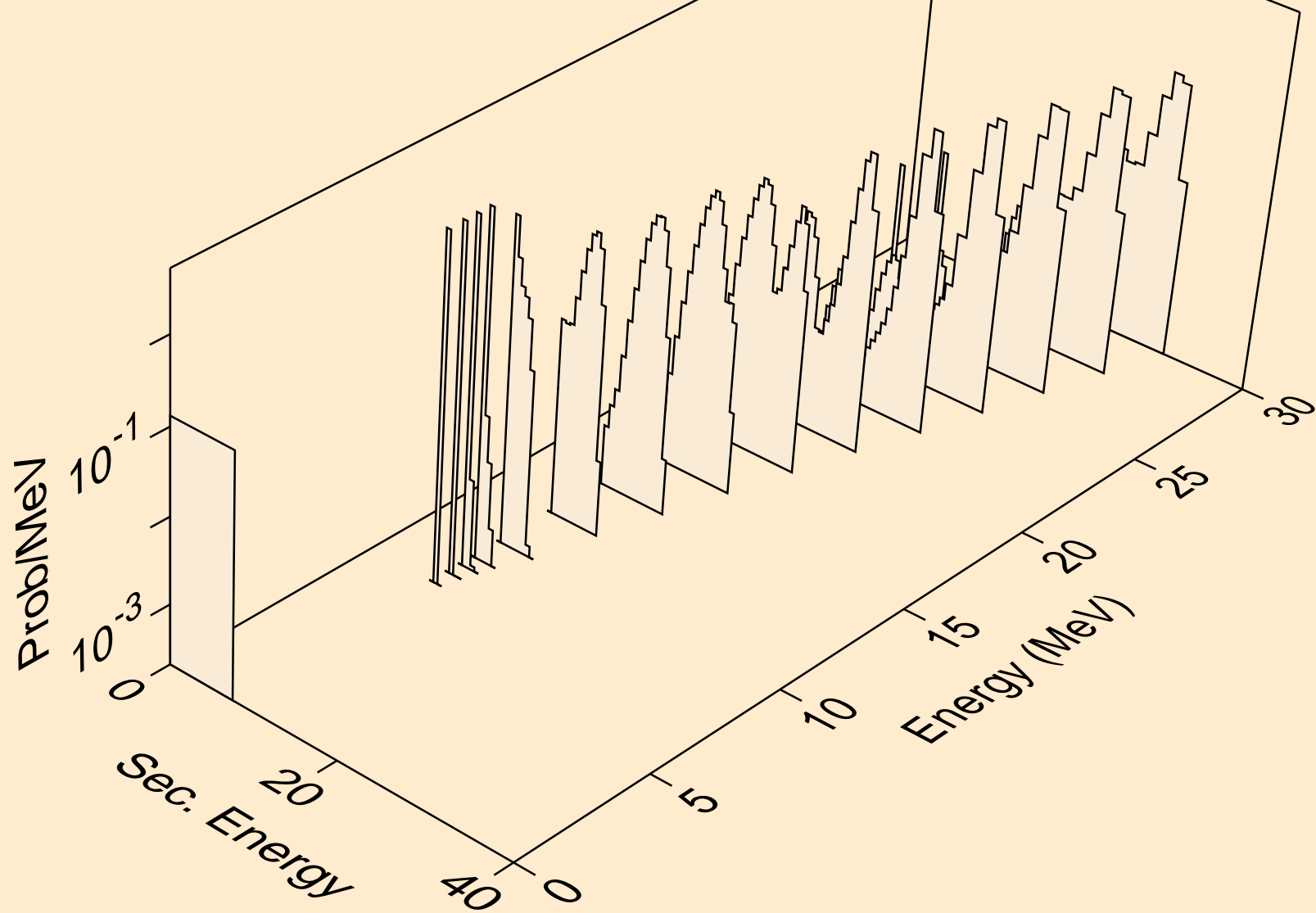
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



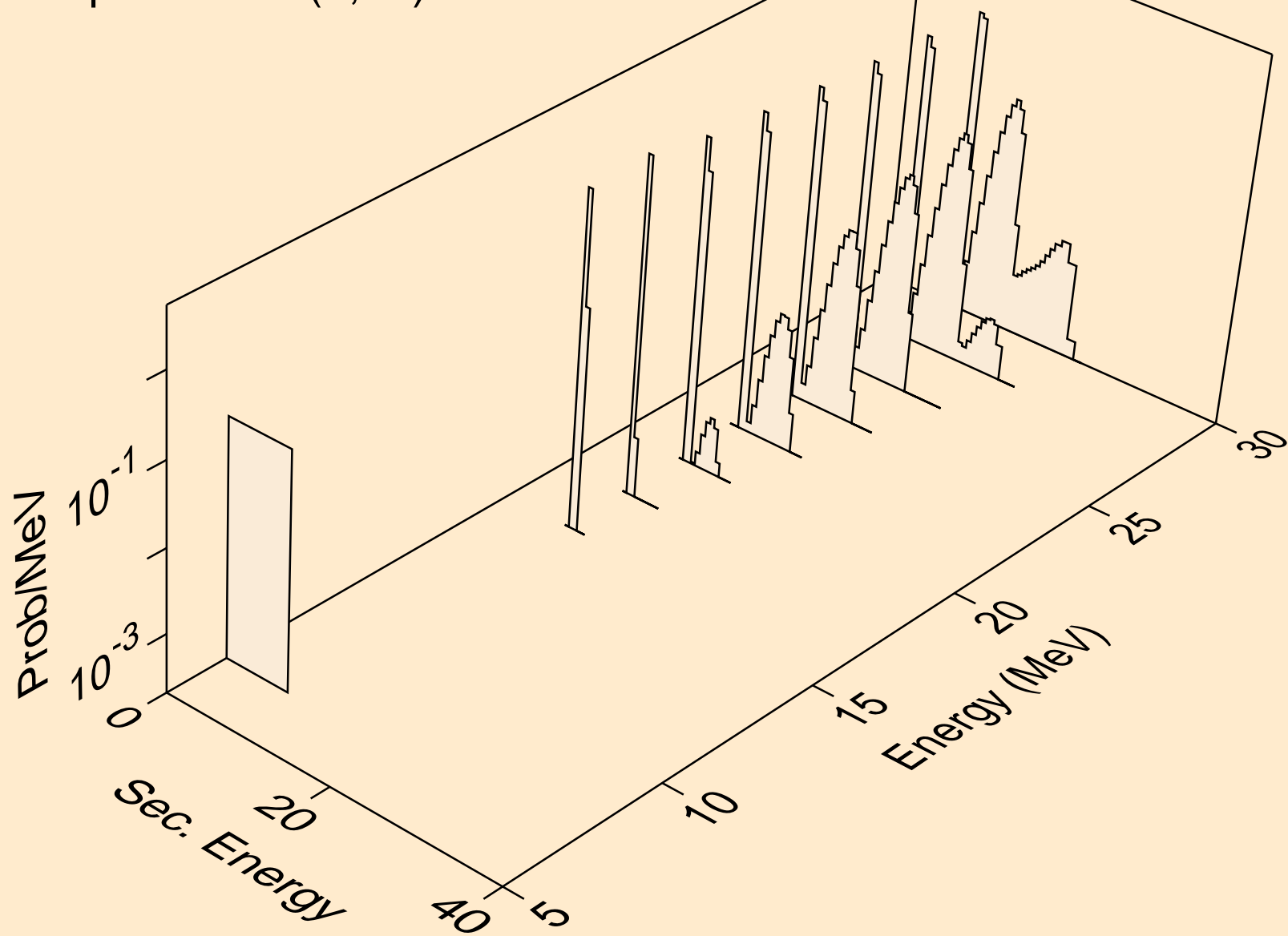
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



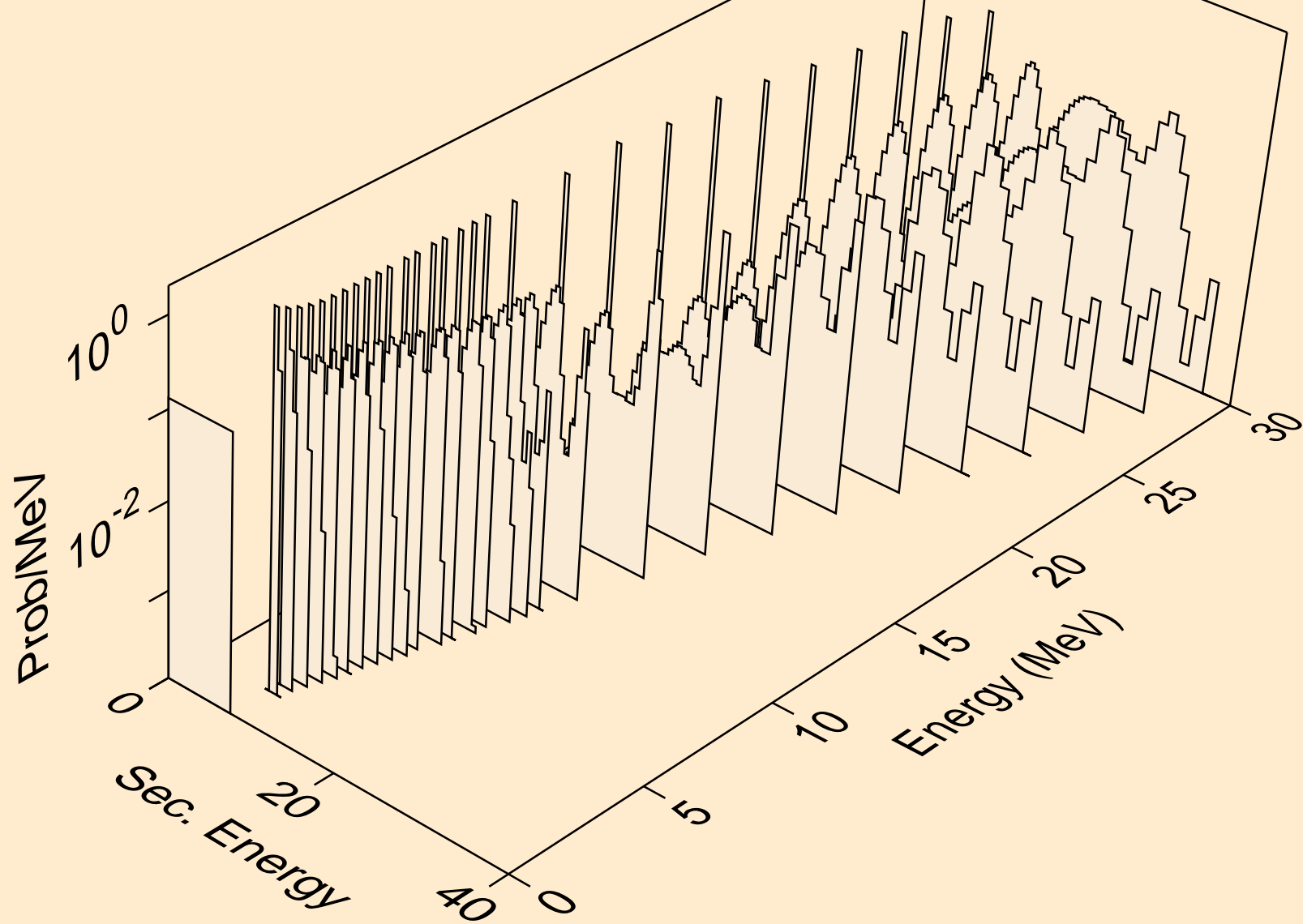
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



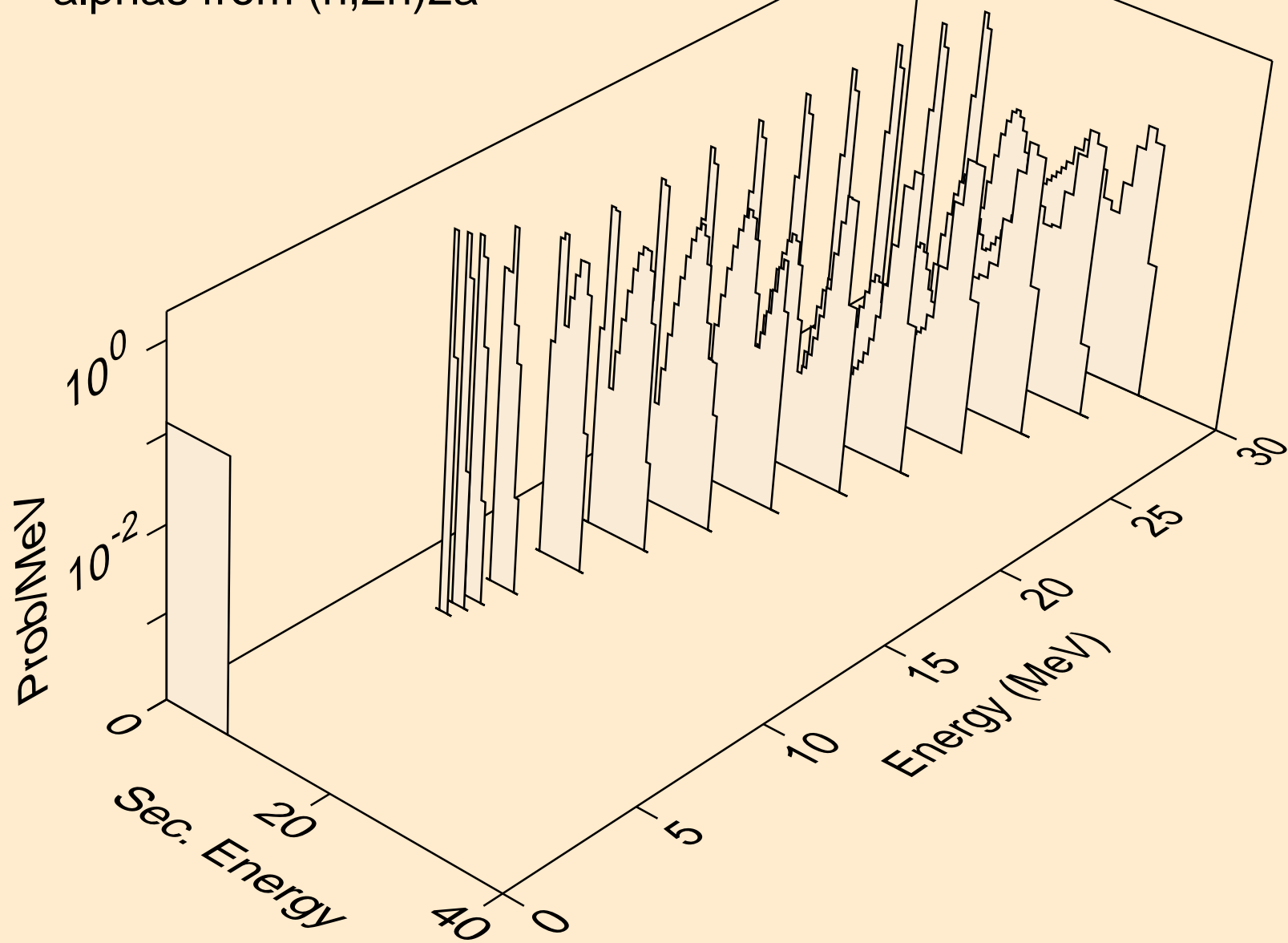
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



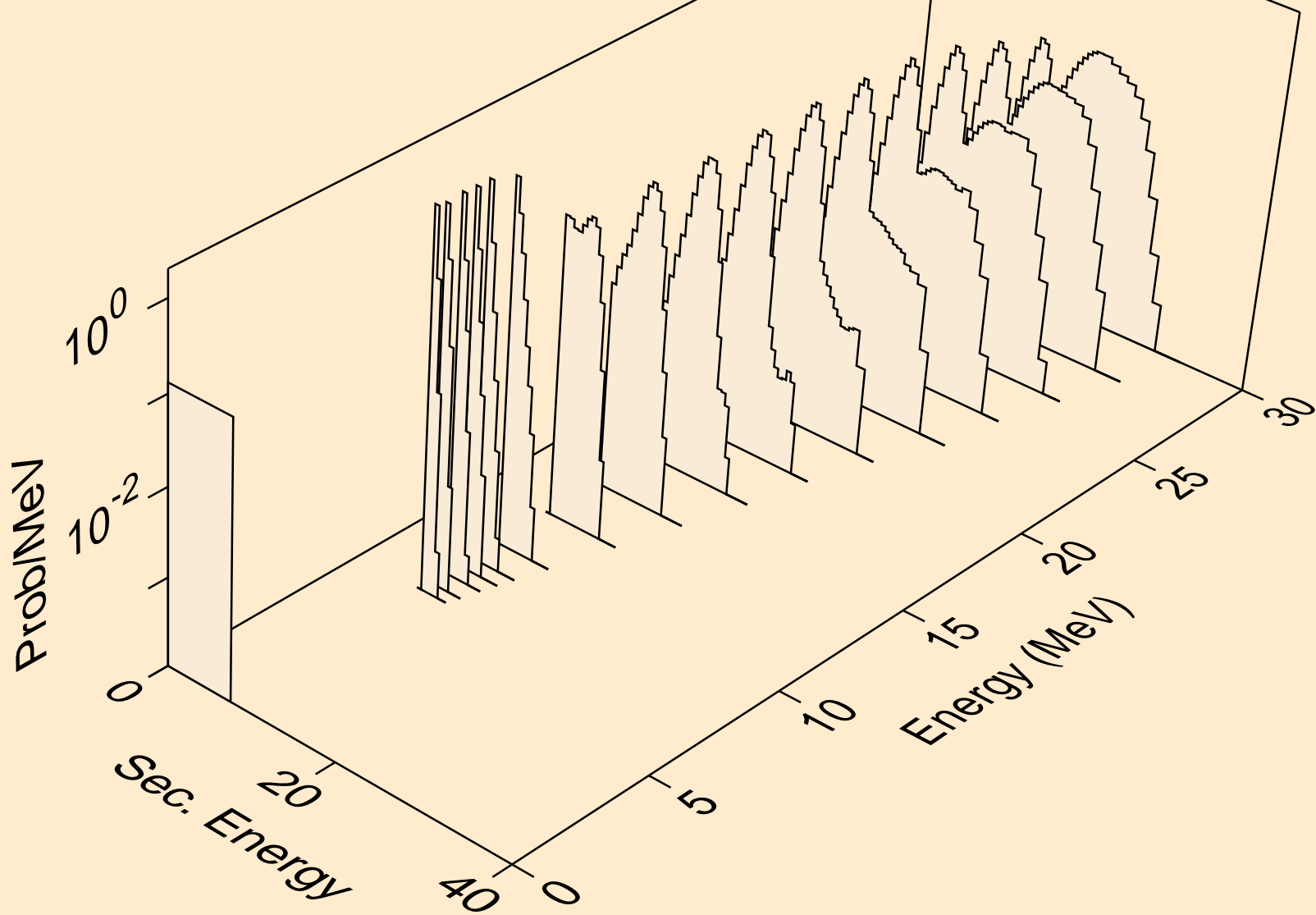
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



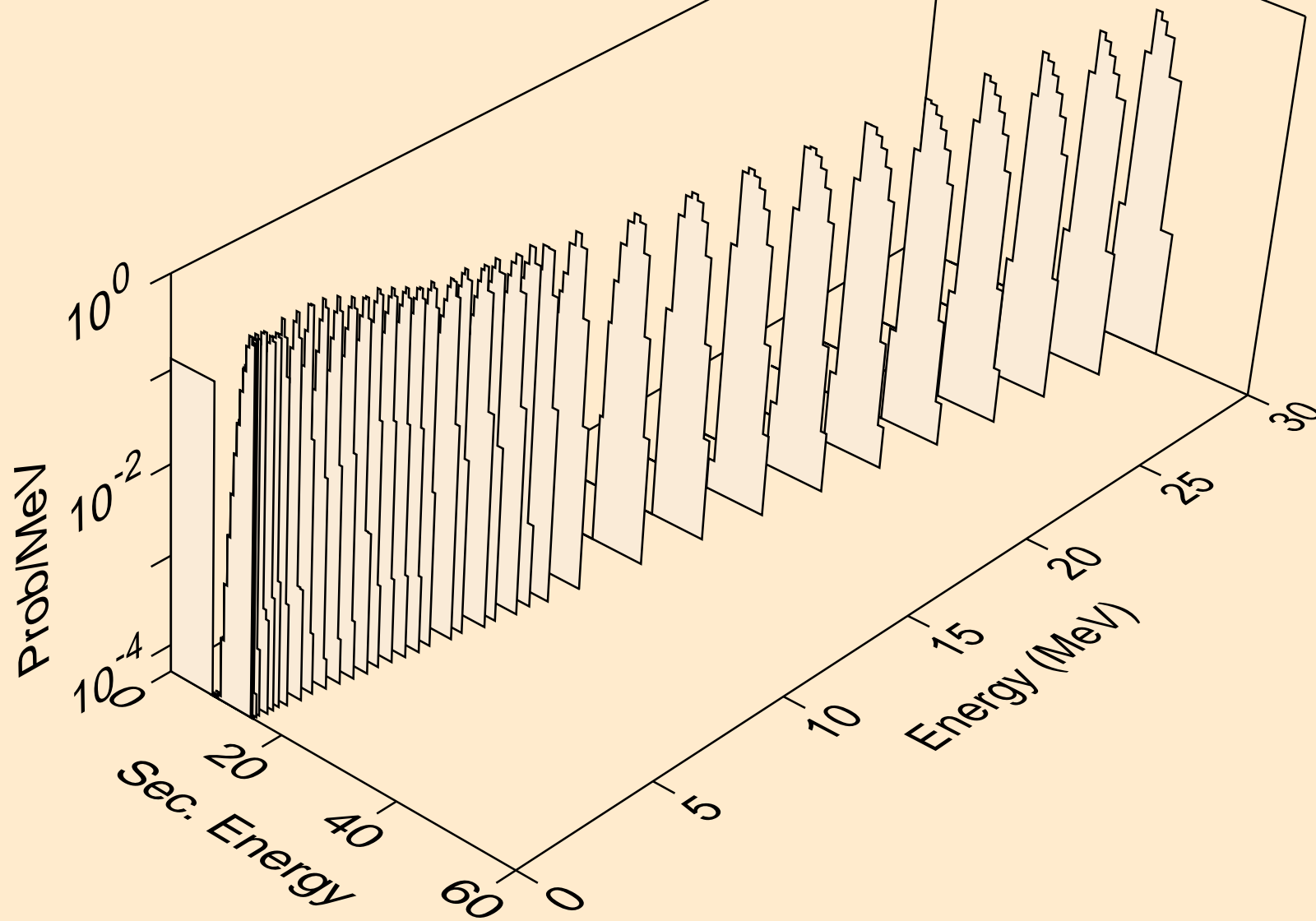
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



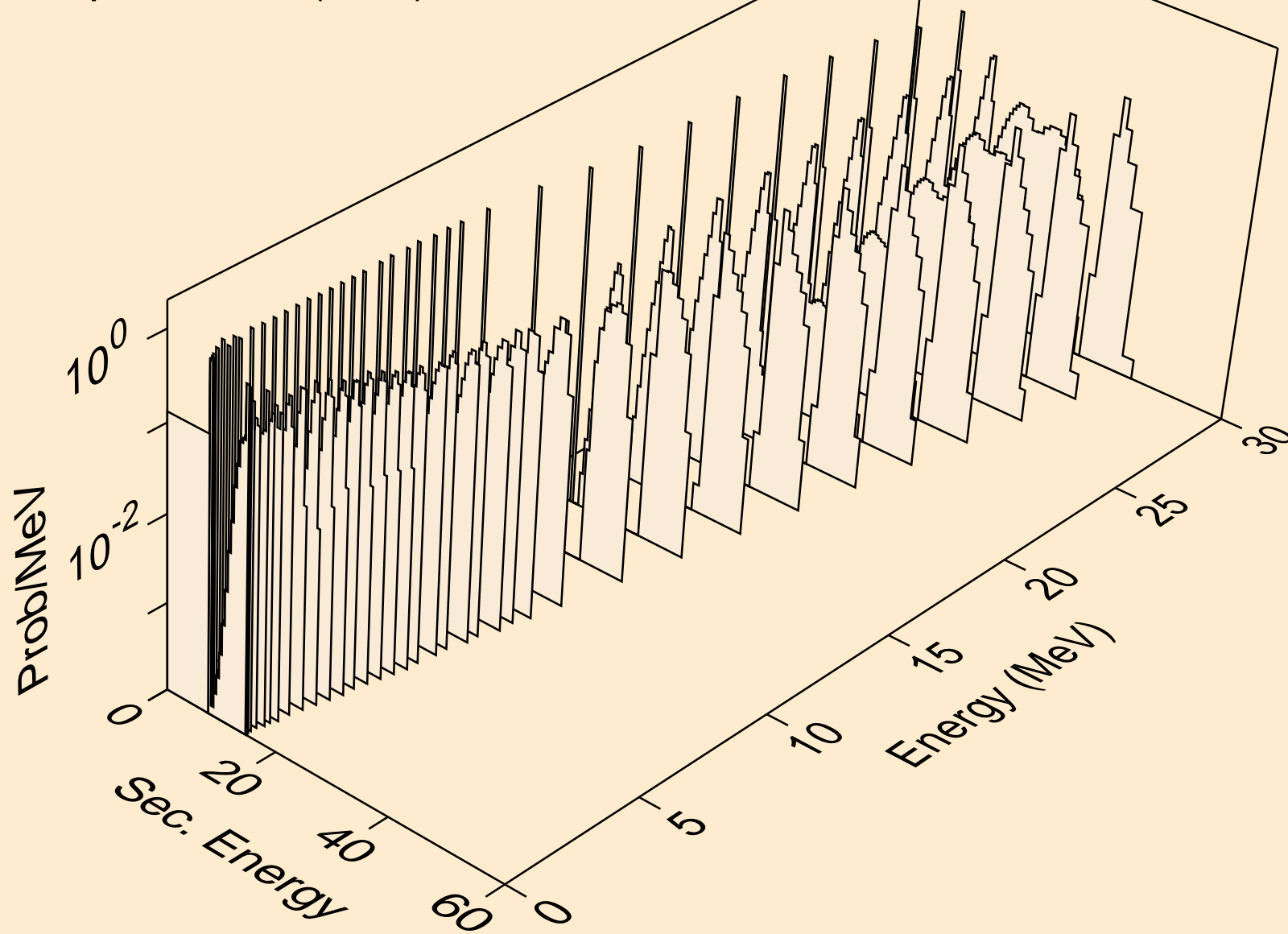
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



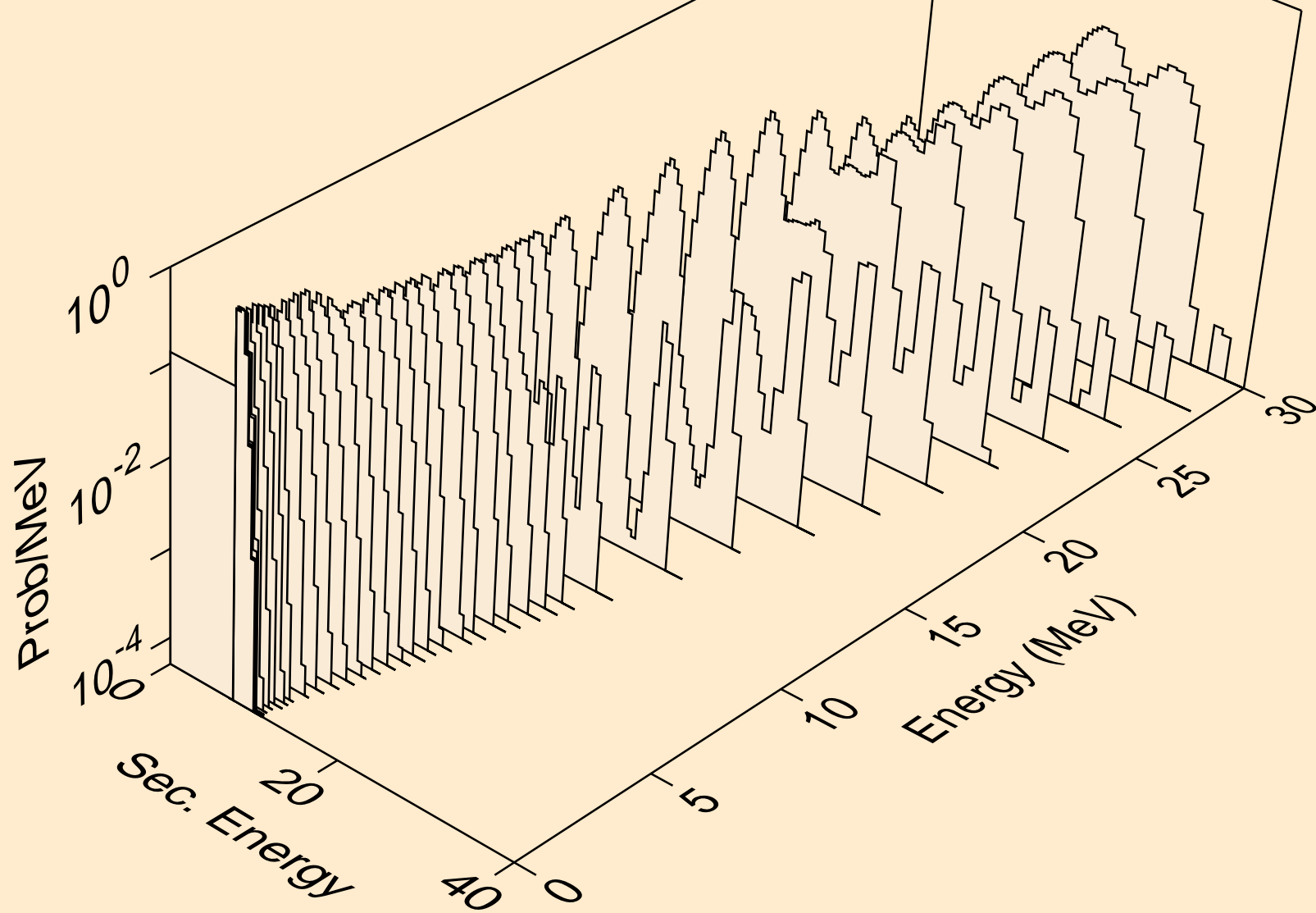
NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



NP228 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

