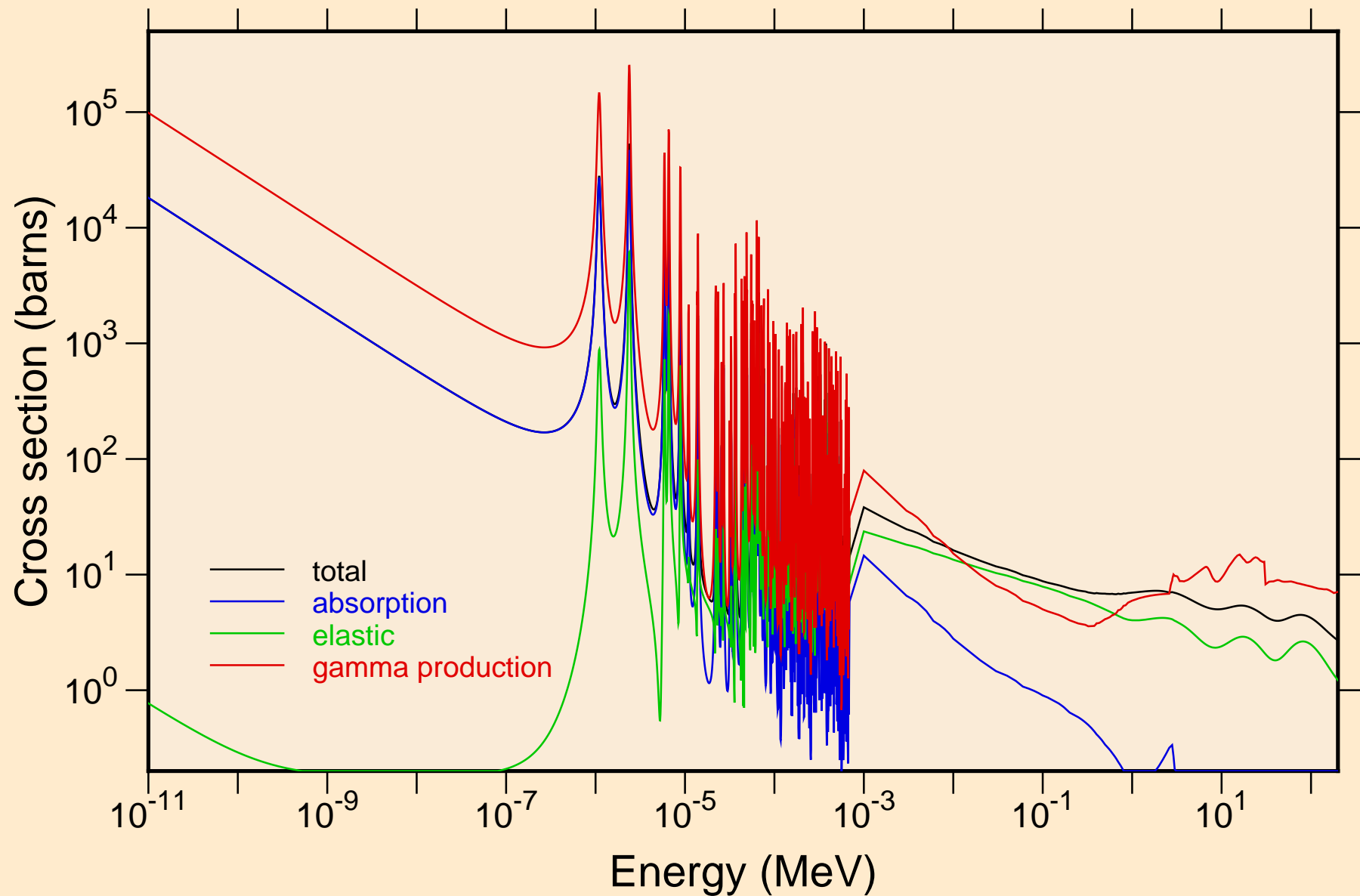
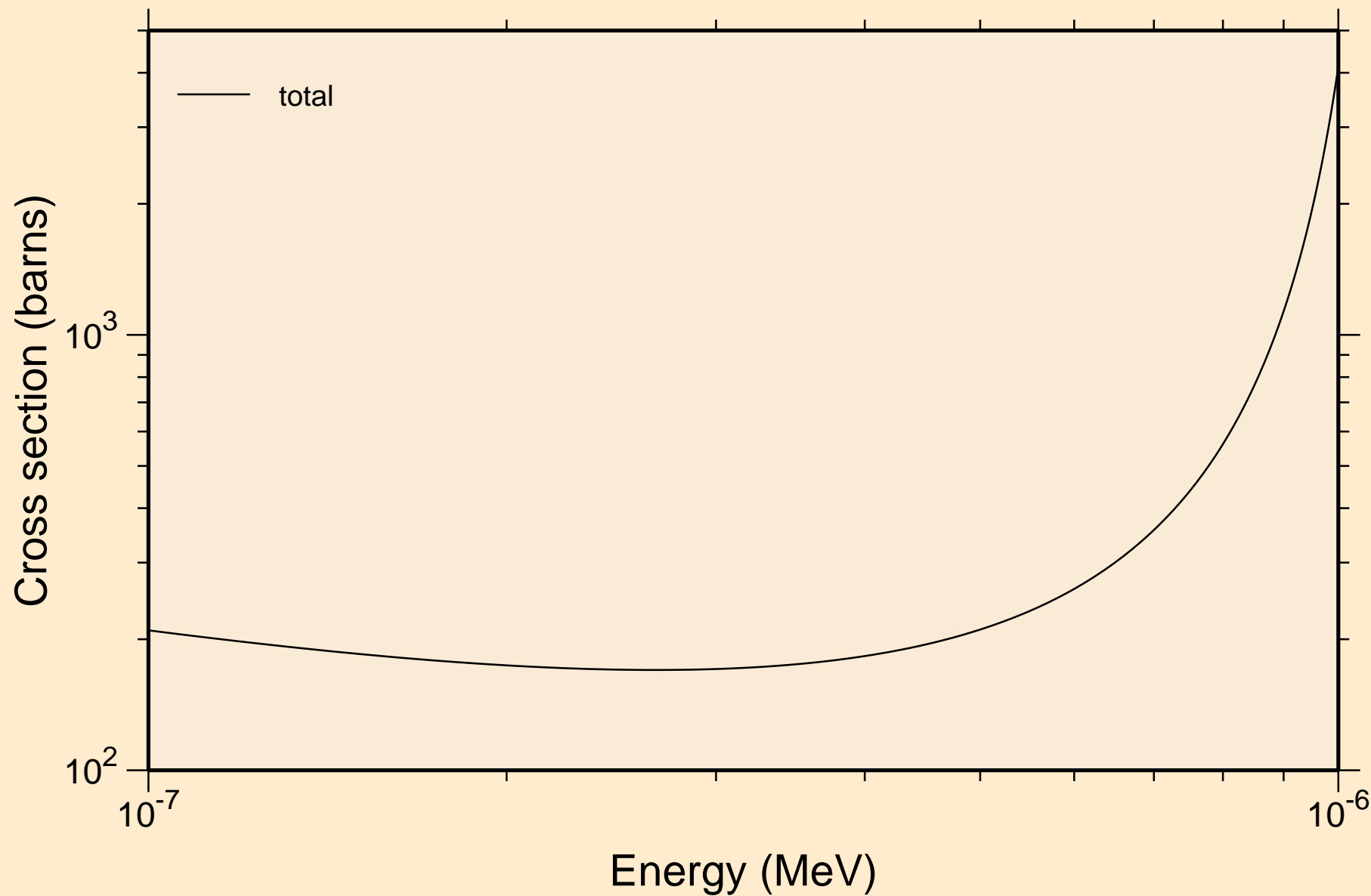


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

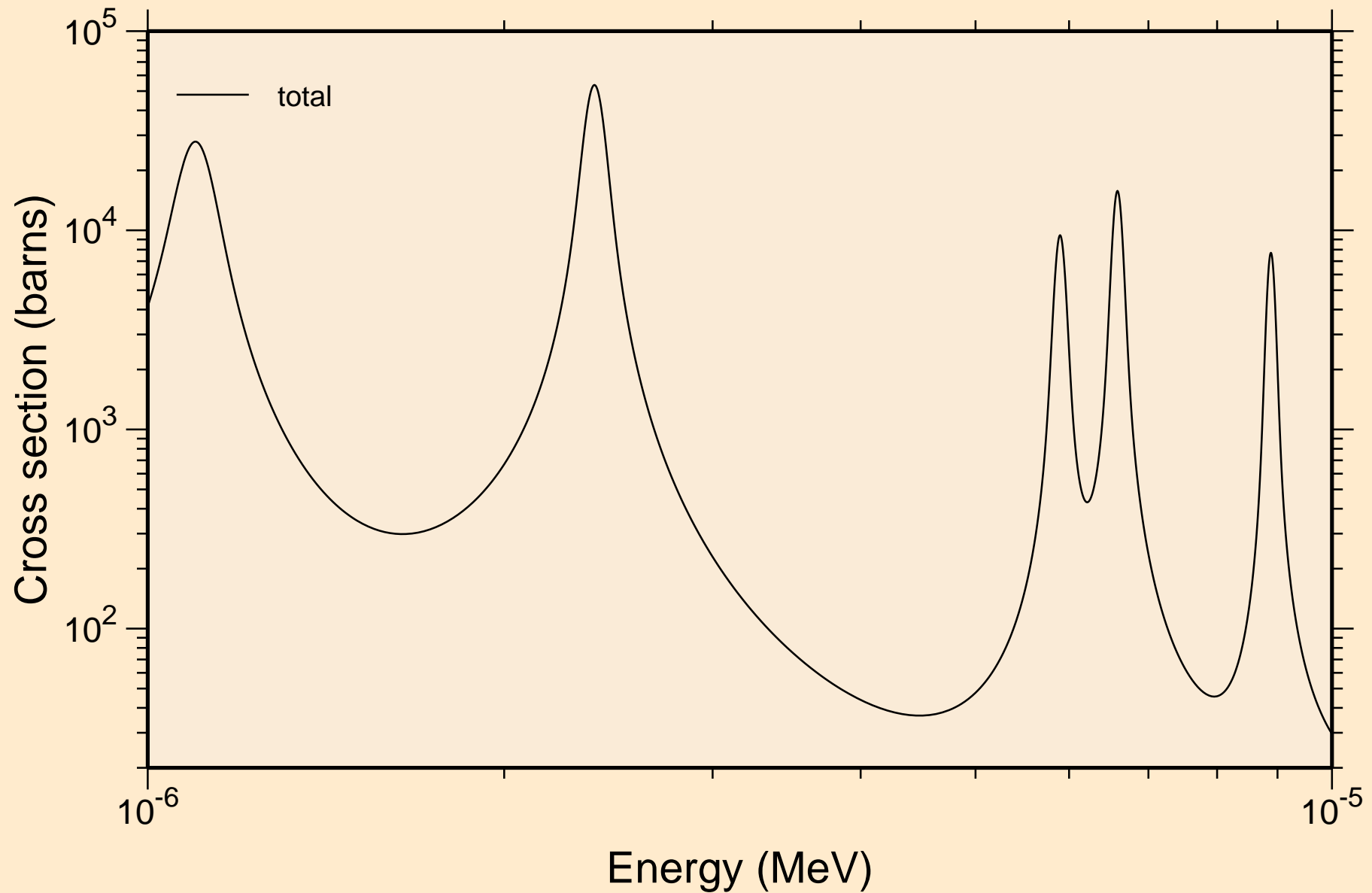
Principal cross sections



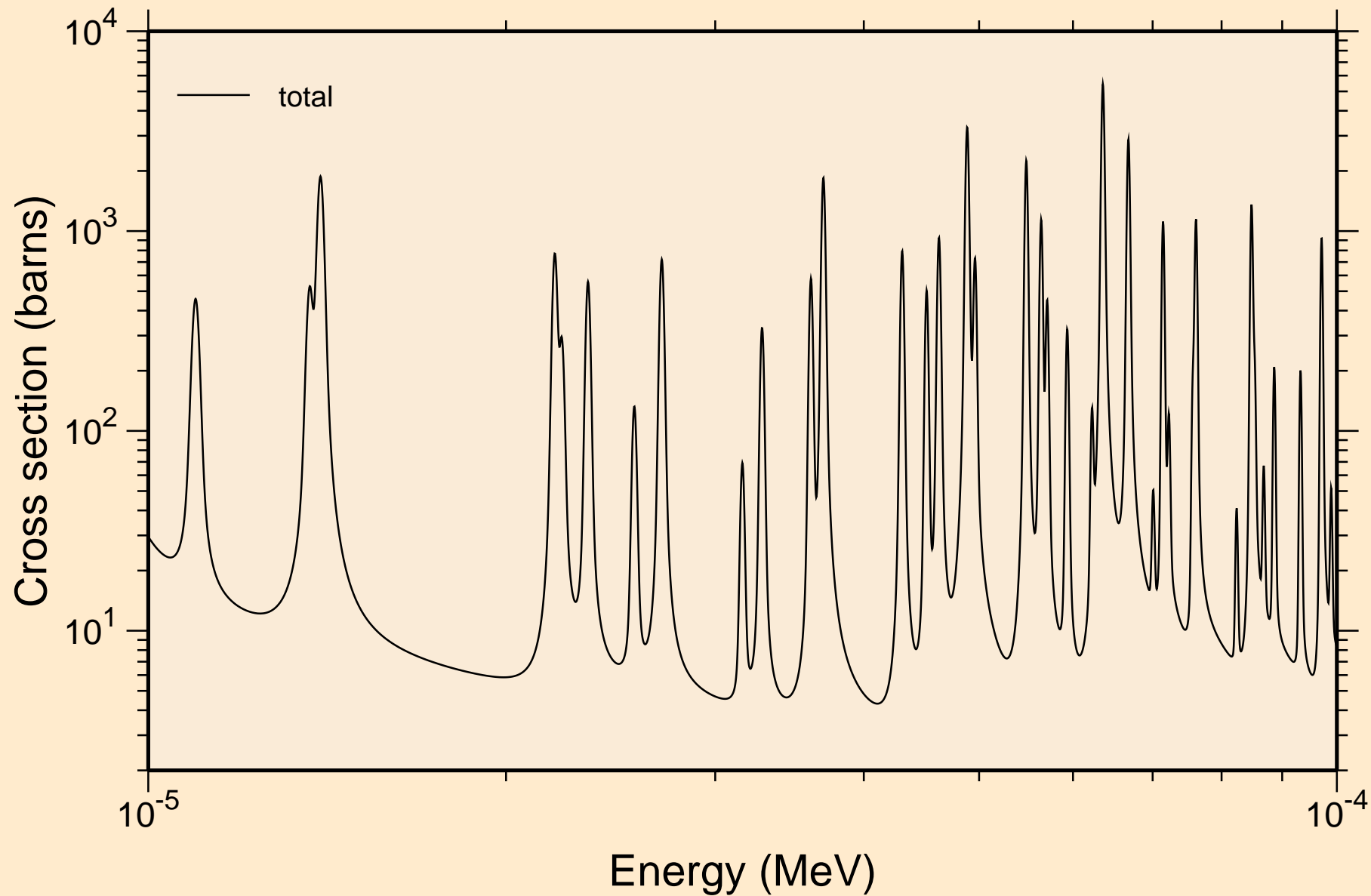
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resonance total cross section



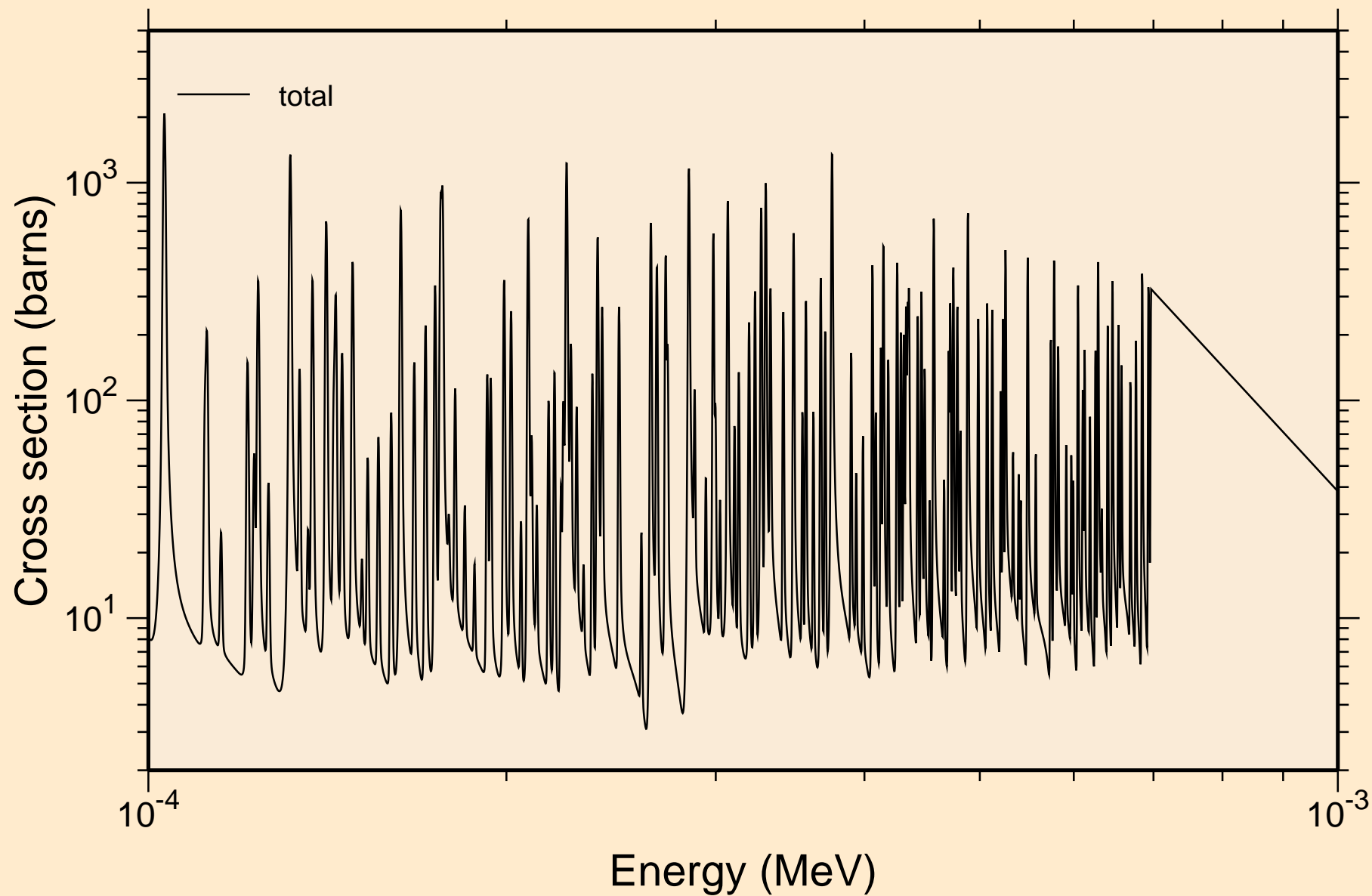
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



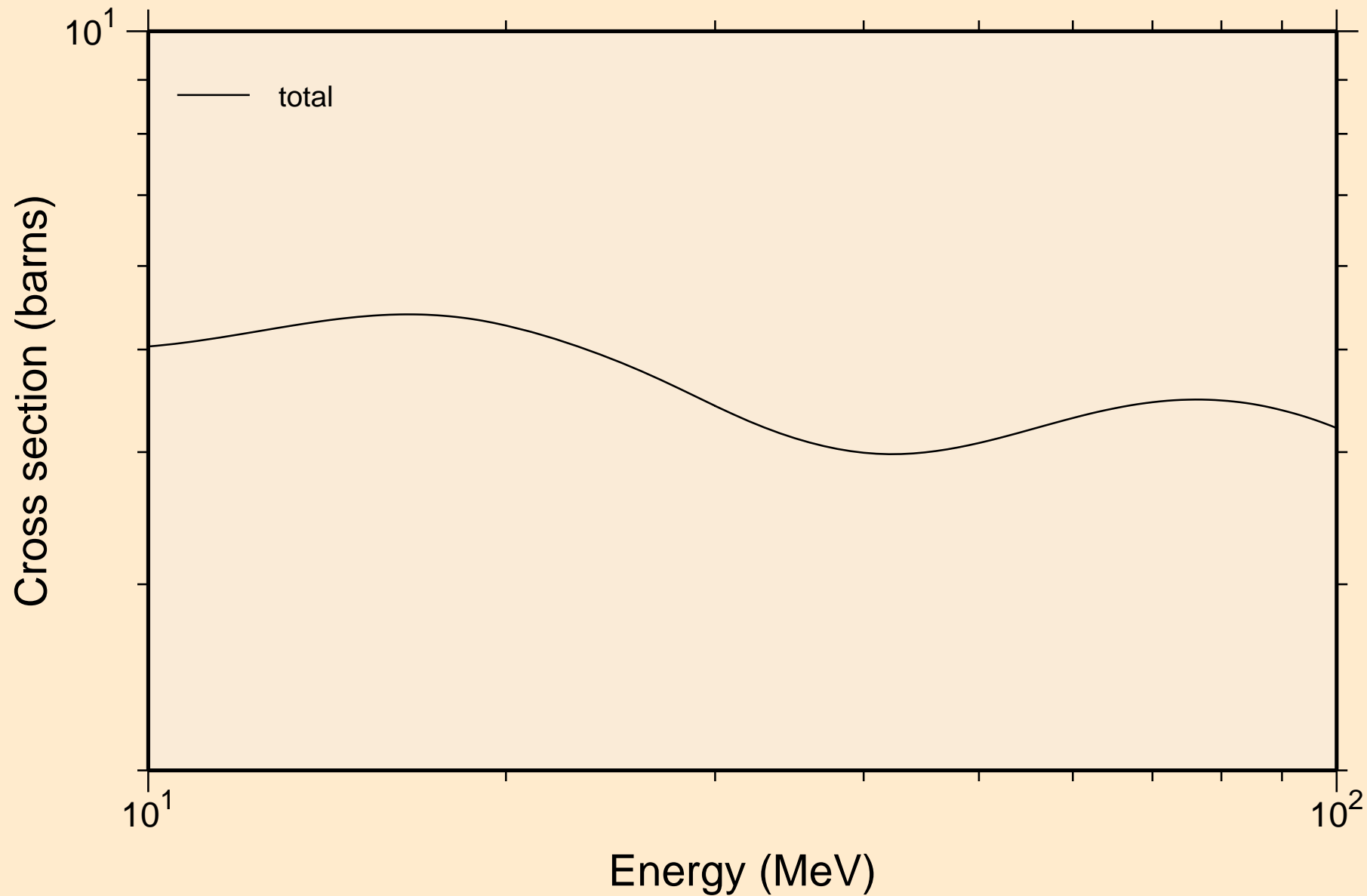
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resonance total cross section



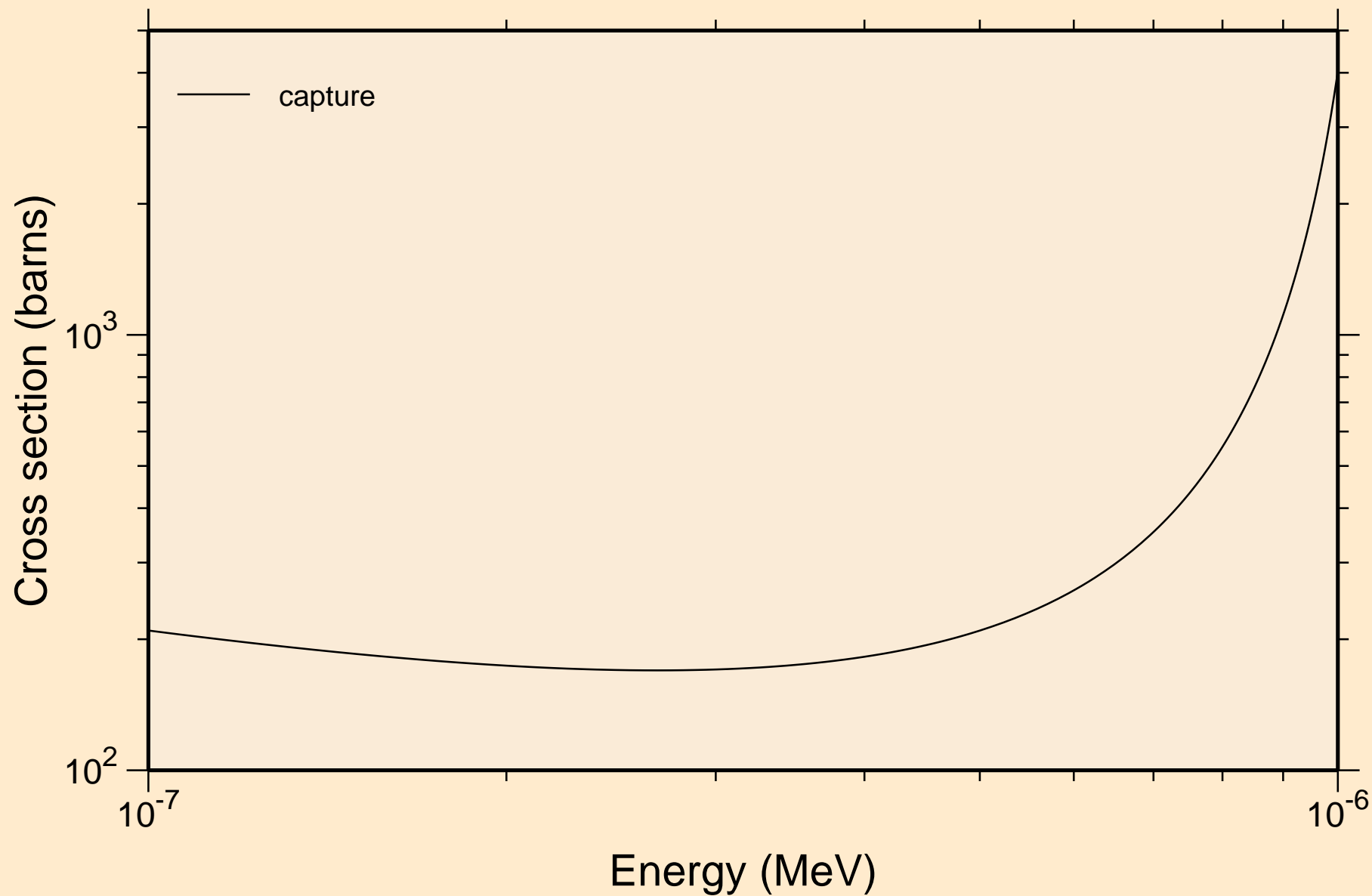
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



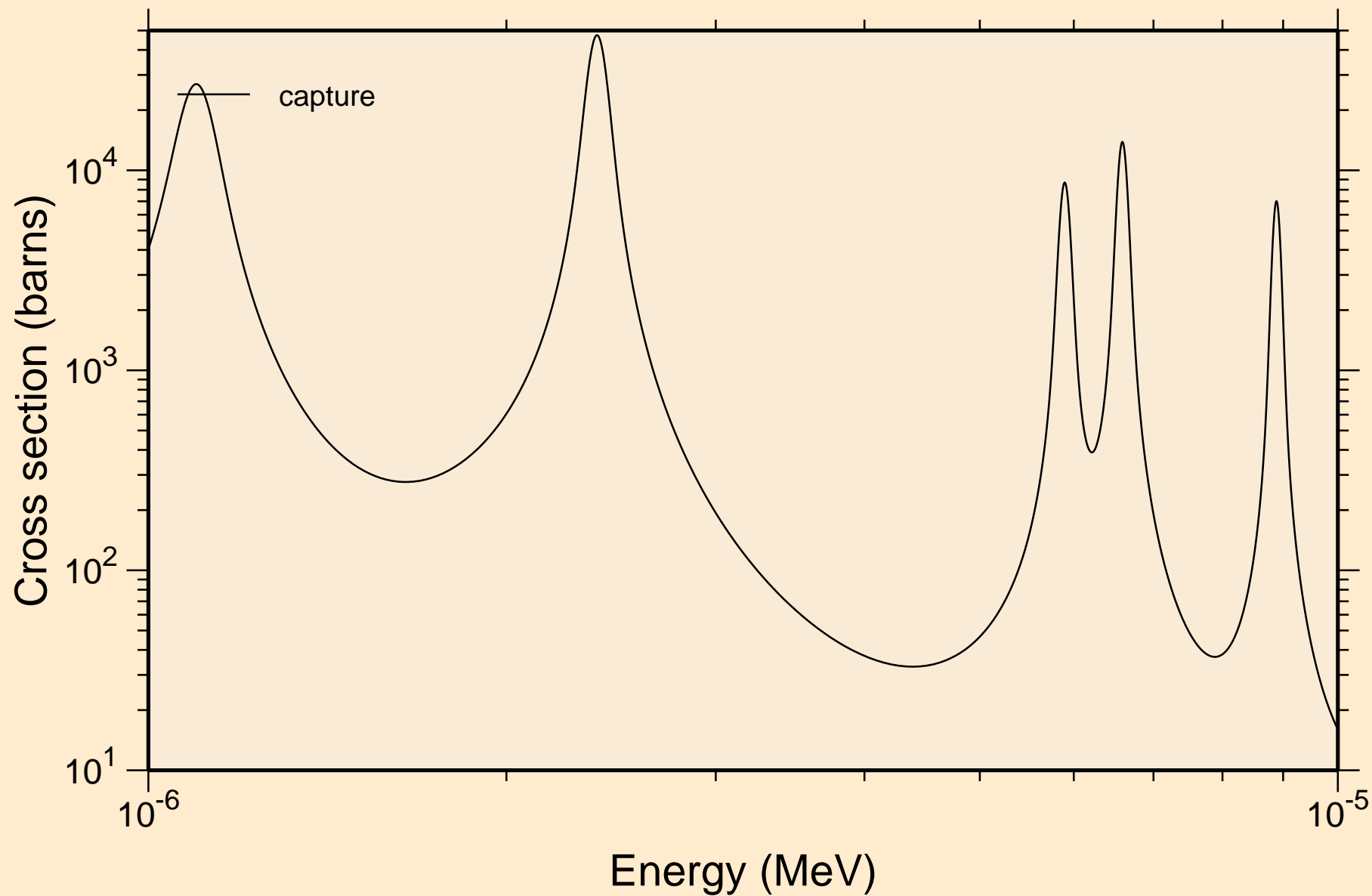
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resonance total cross section



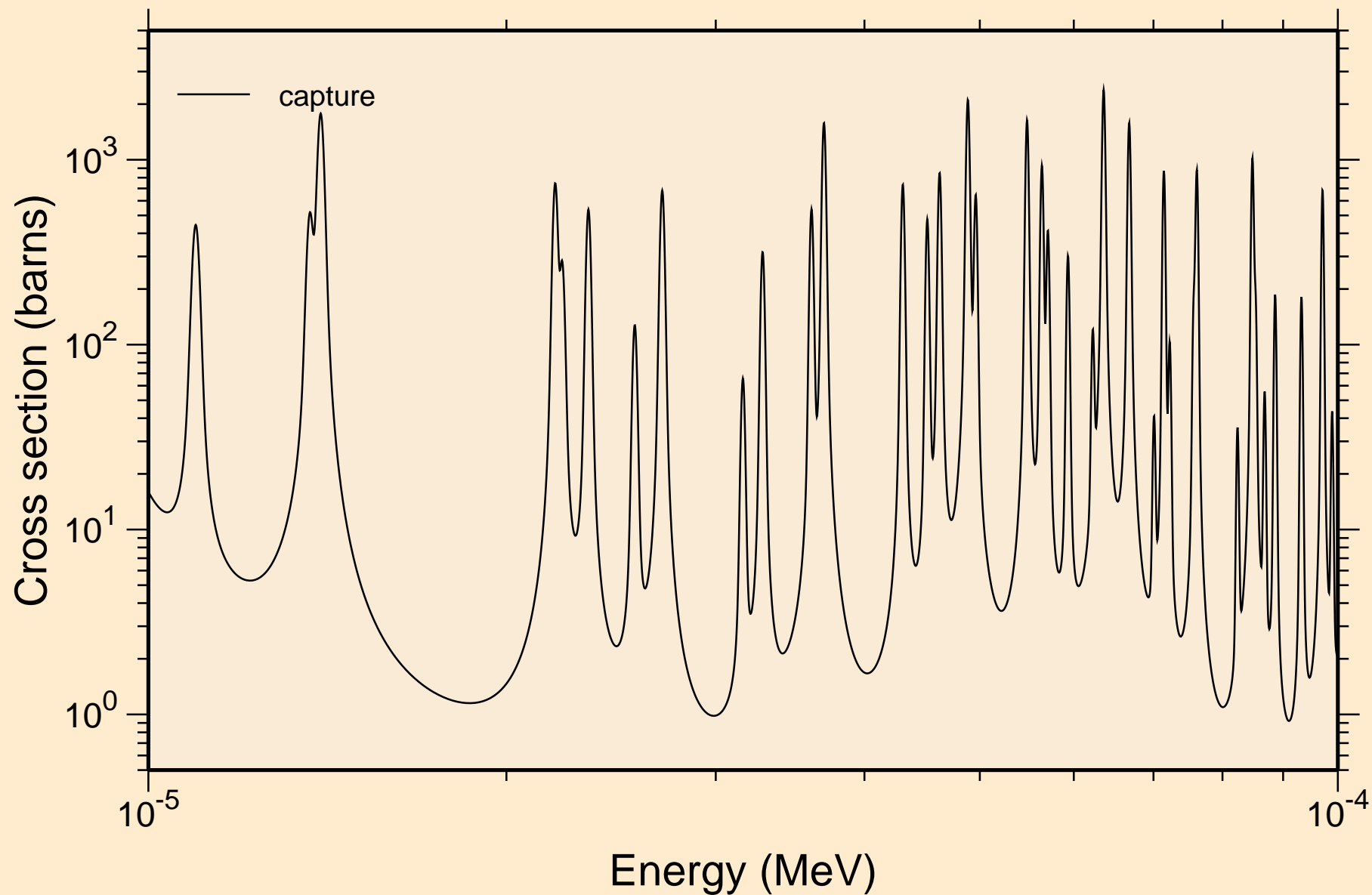
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



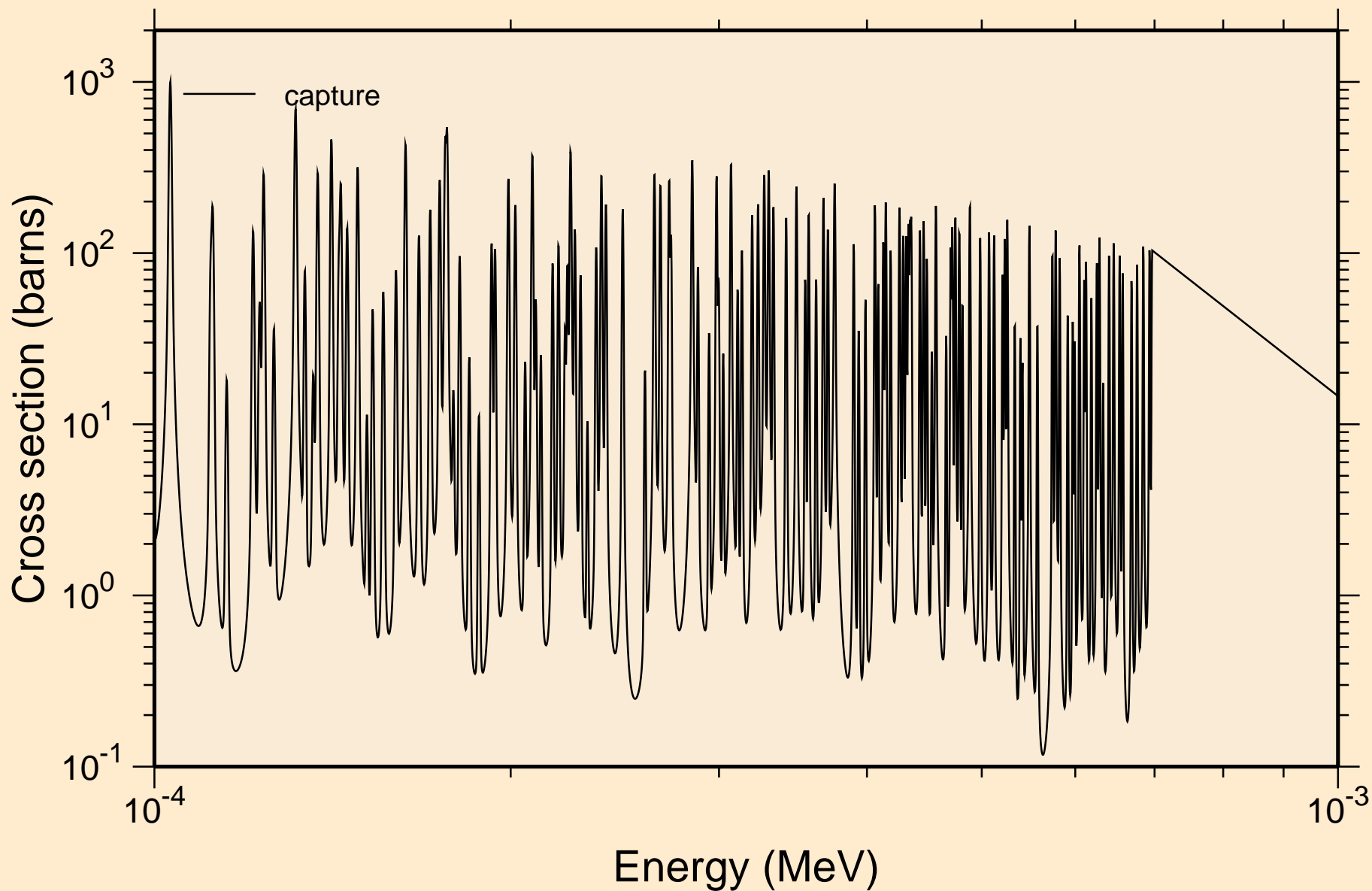
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resonance absorption cross sections



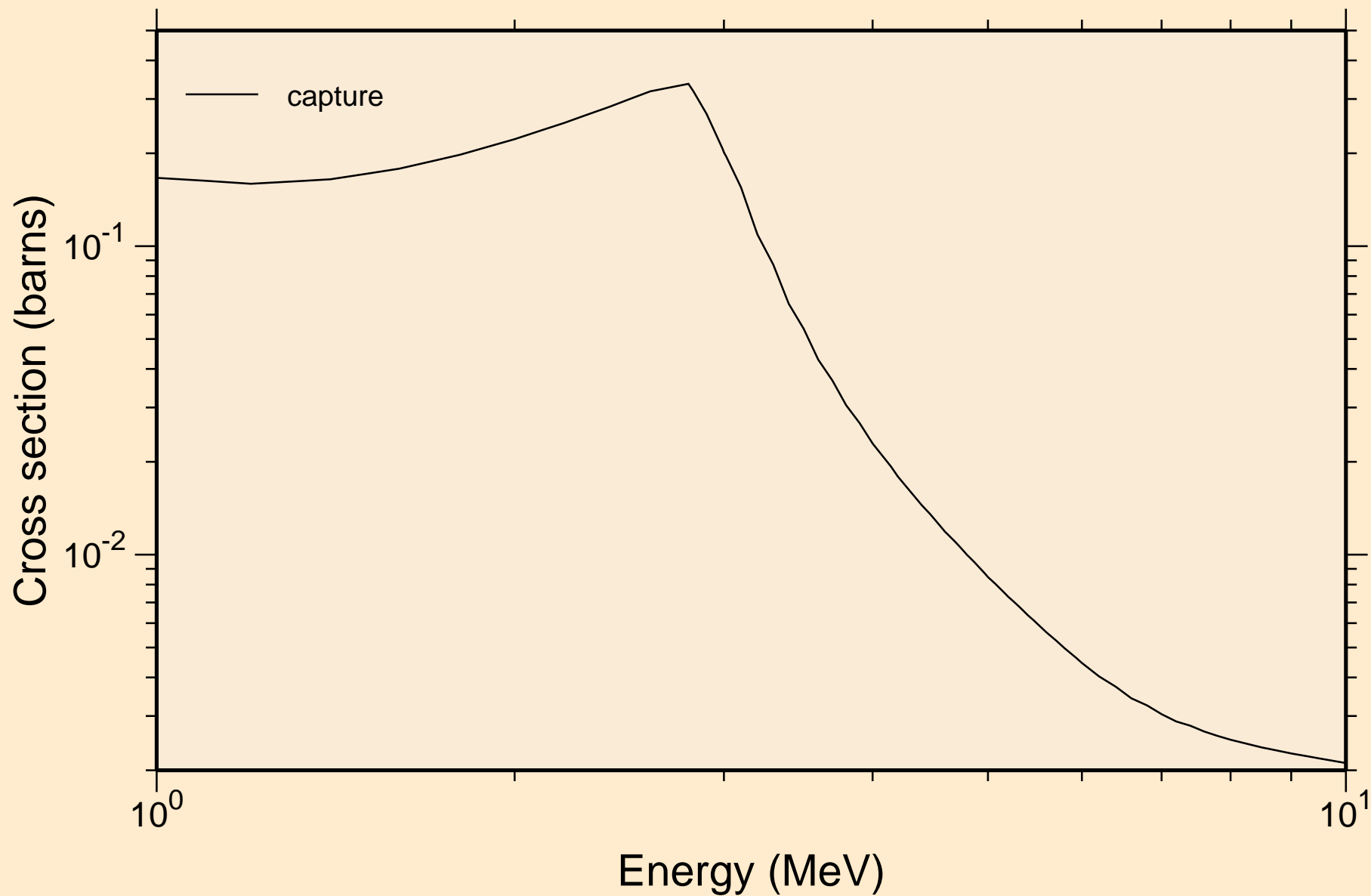
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resonance absorption cross sections



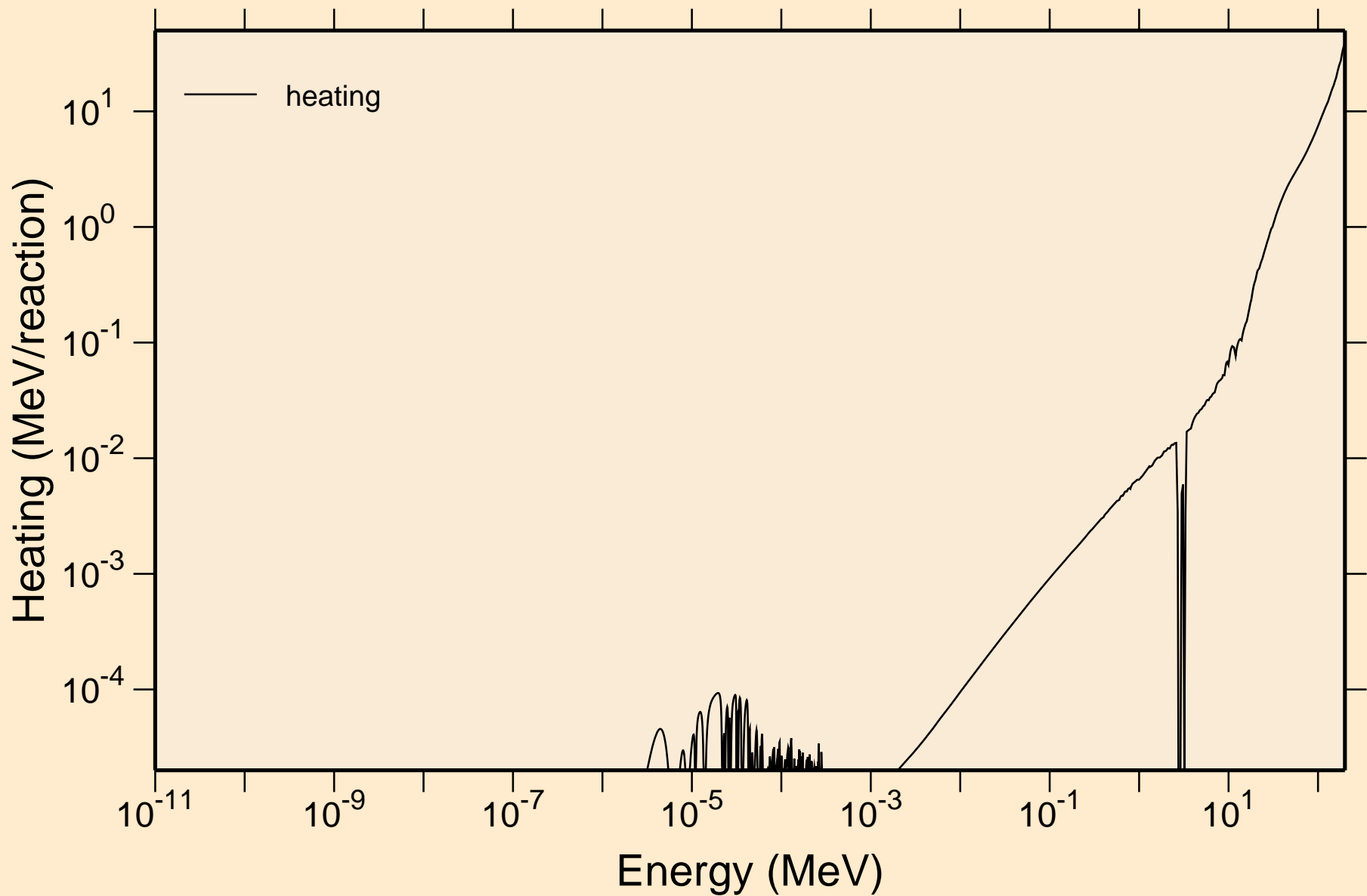
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resonance absorption cross sections



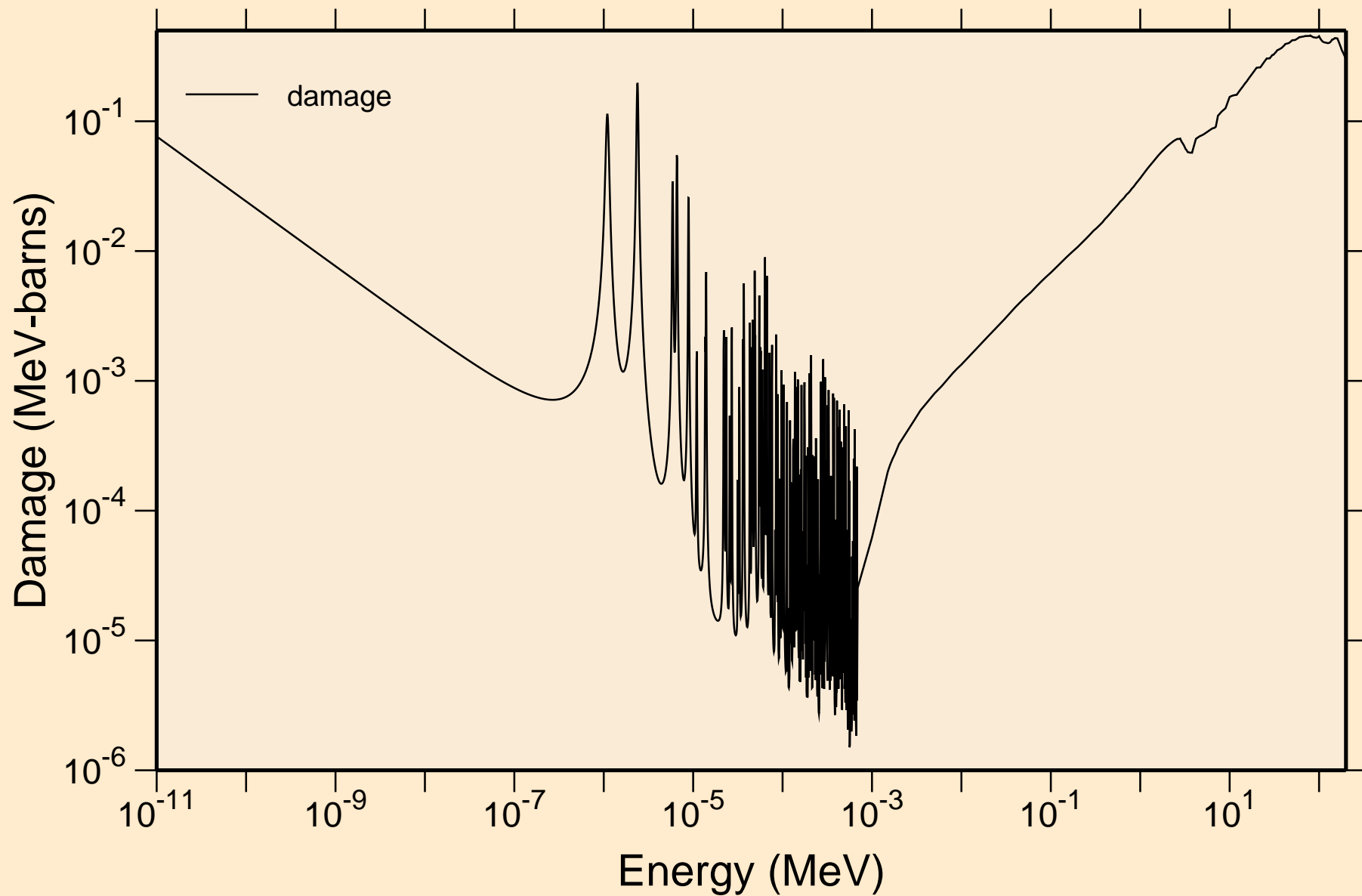
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

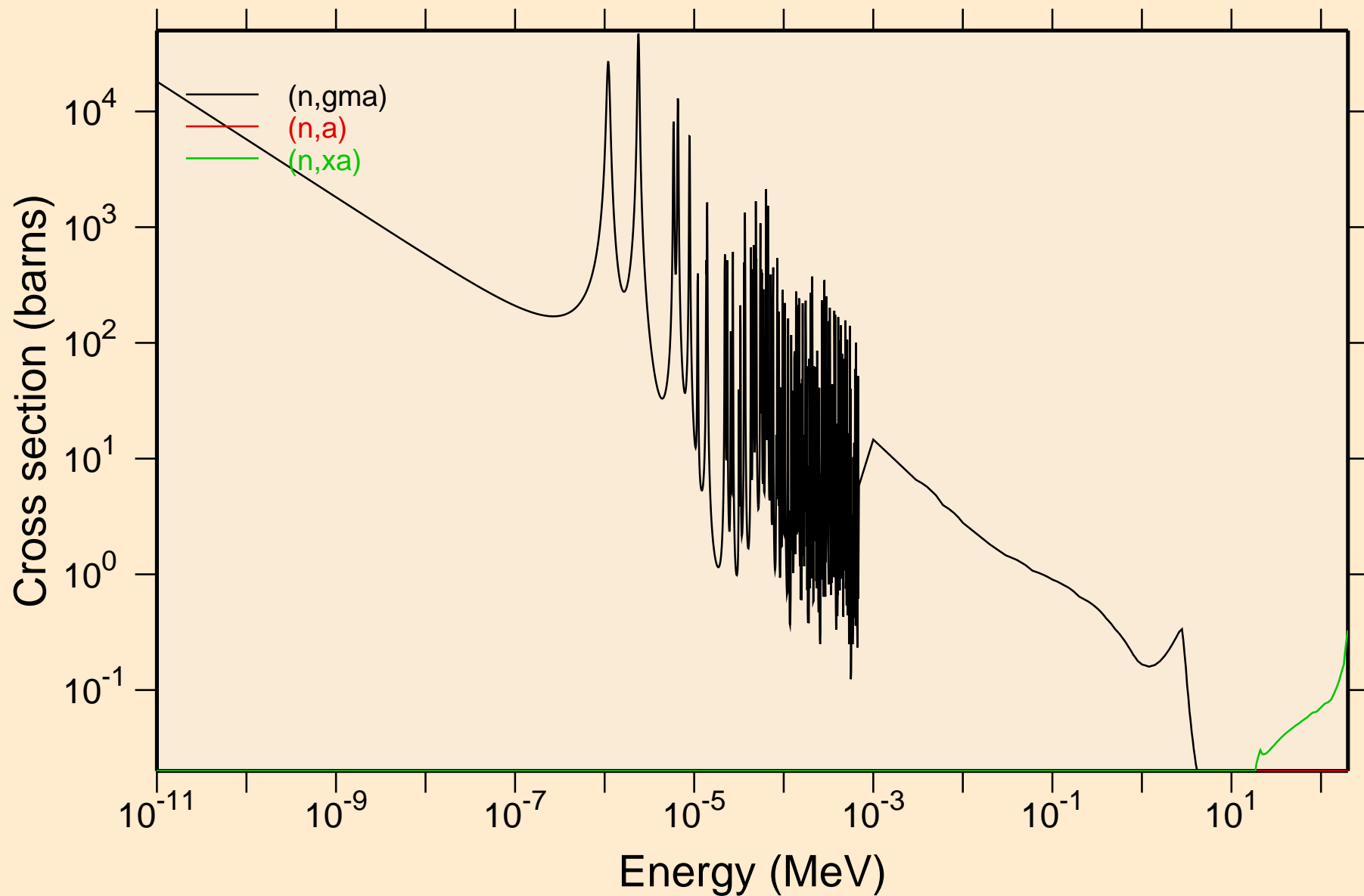


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



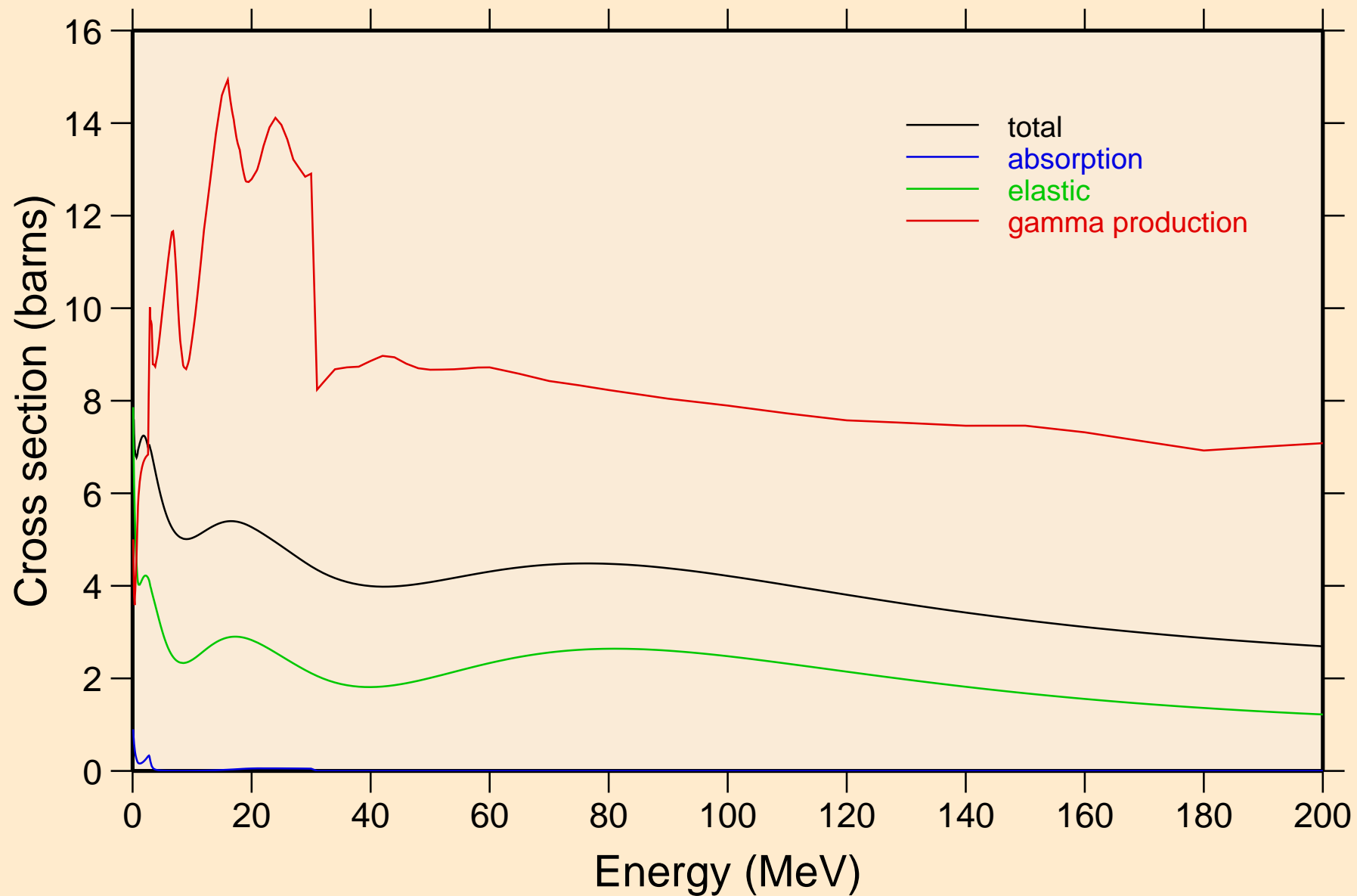
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

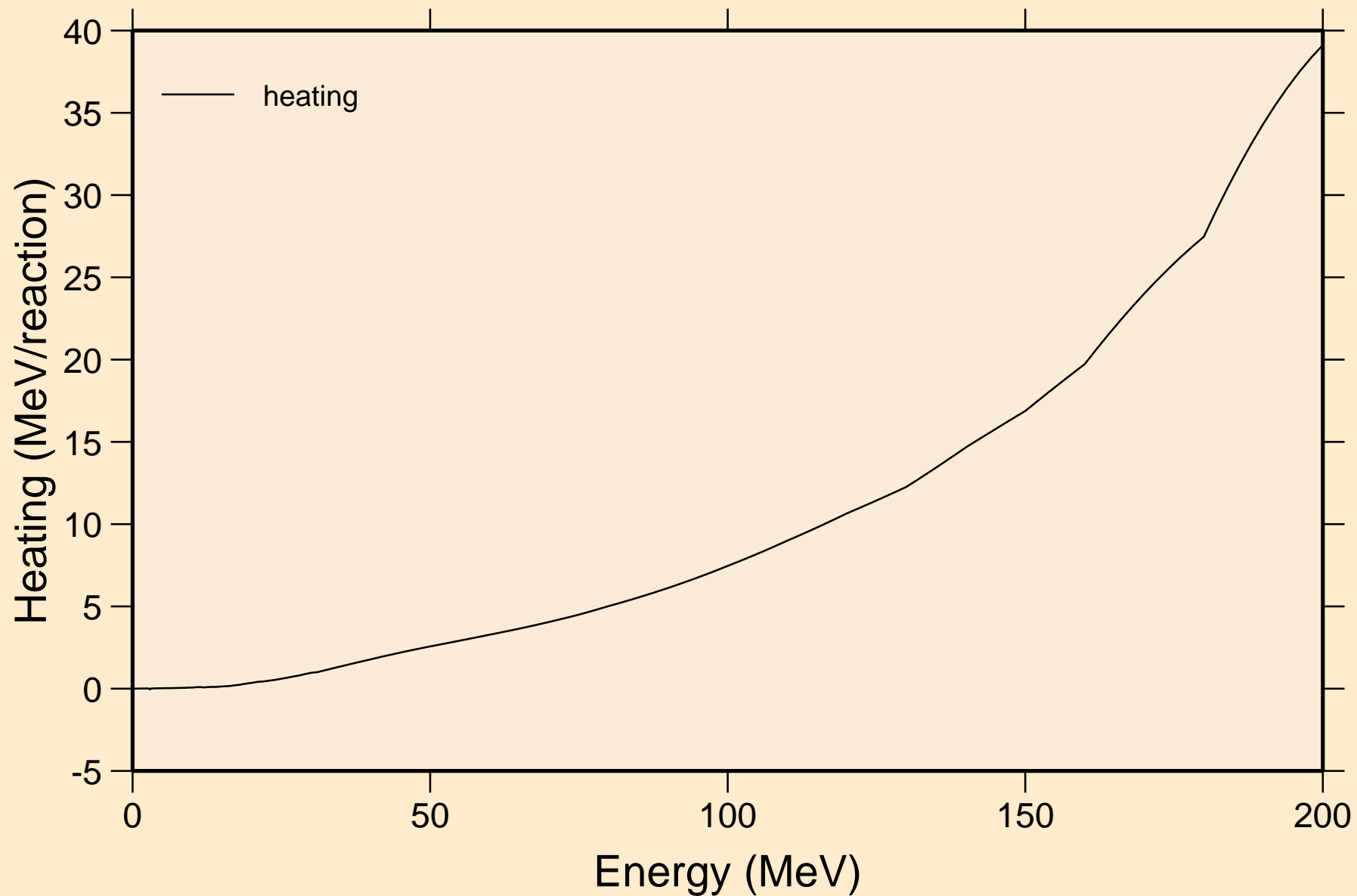


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Principal cross sections

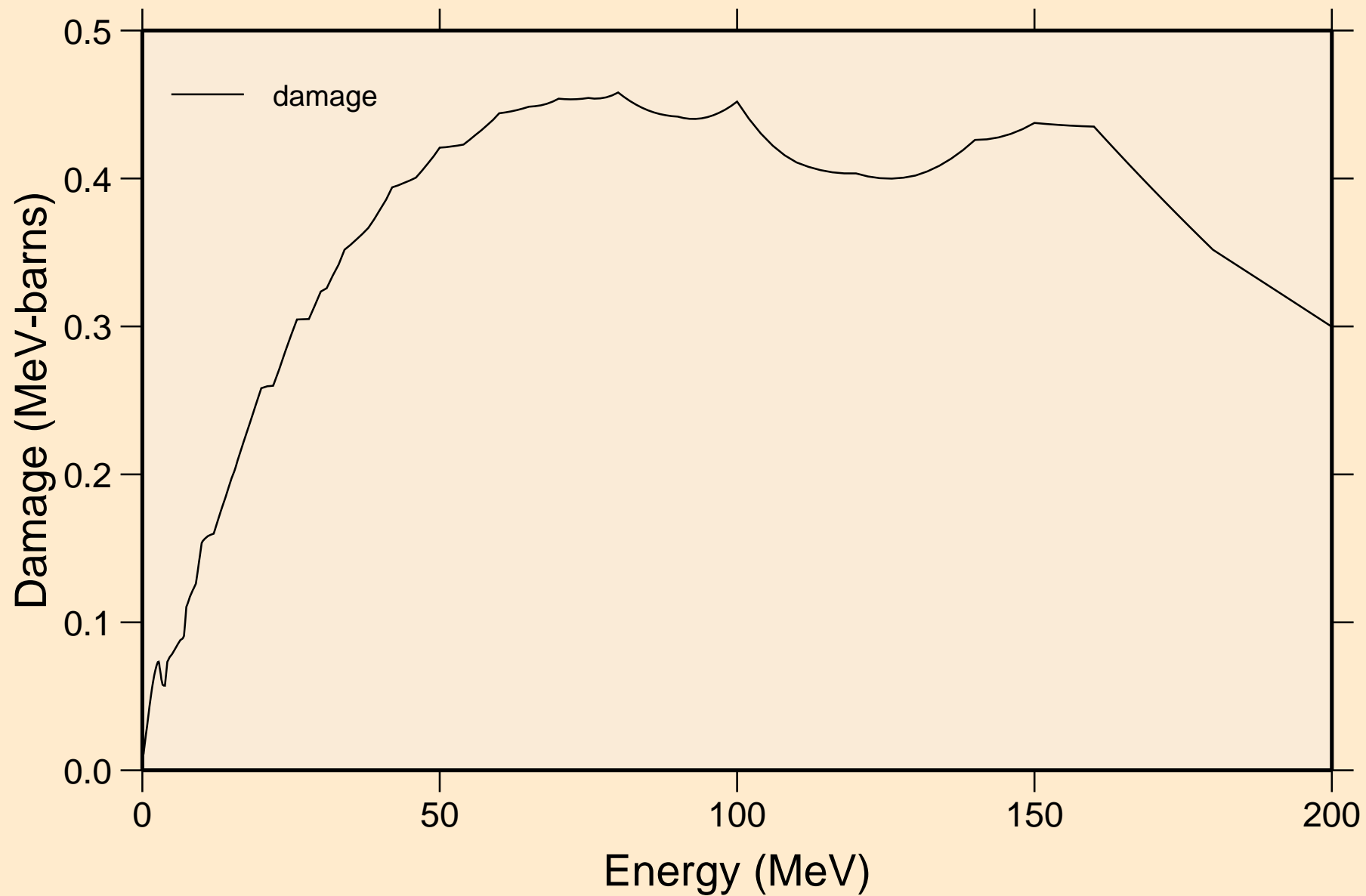


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



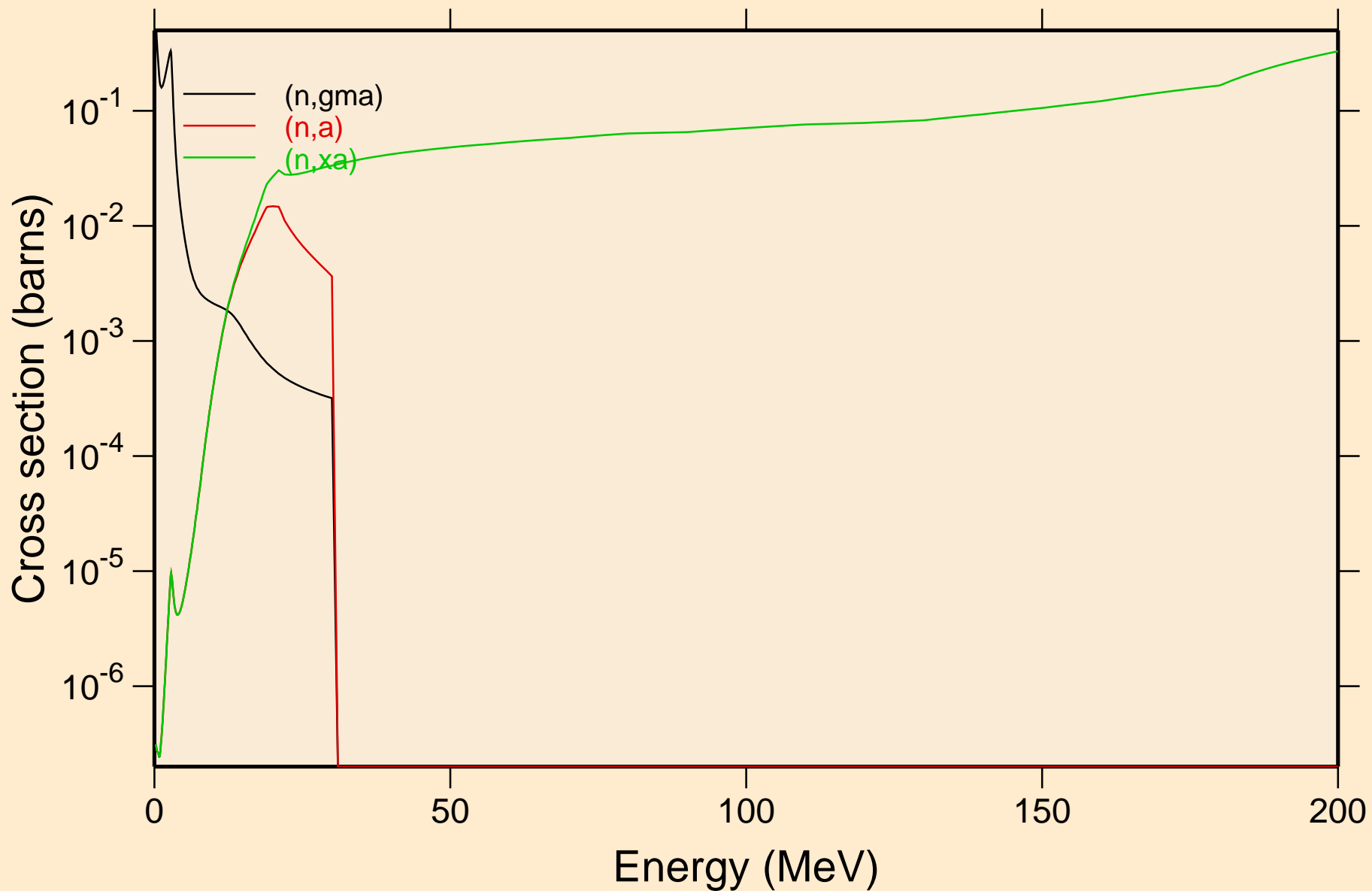
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Damage

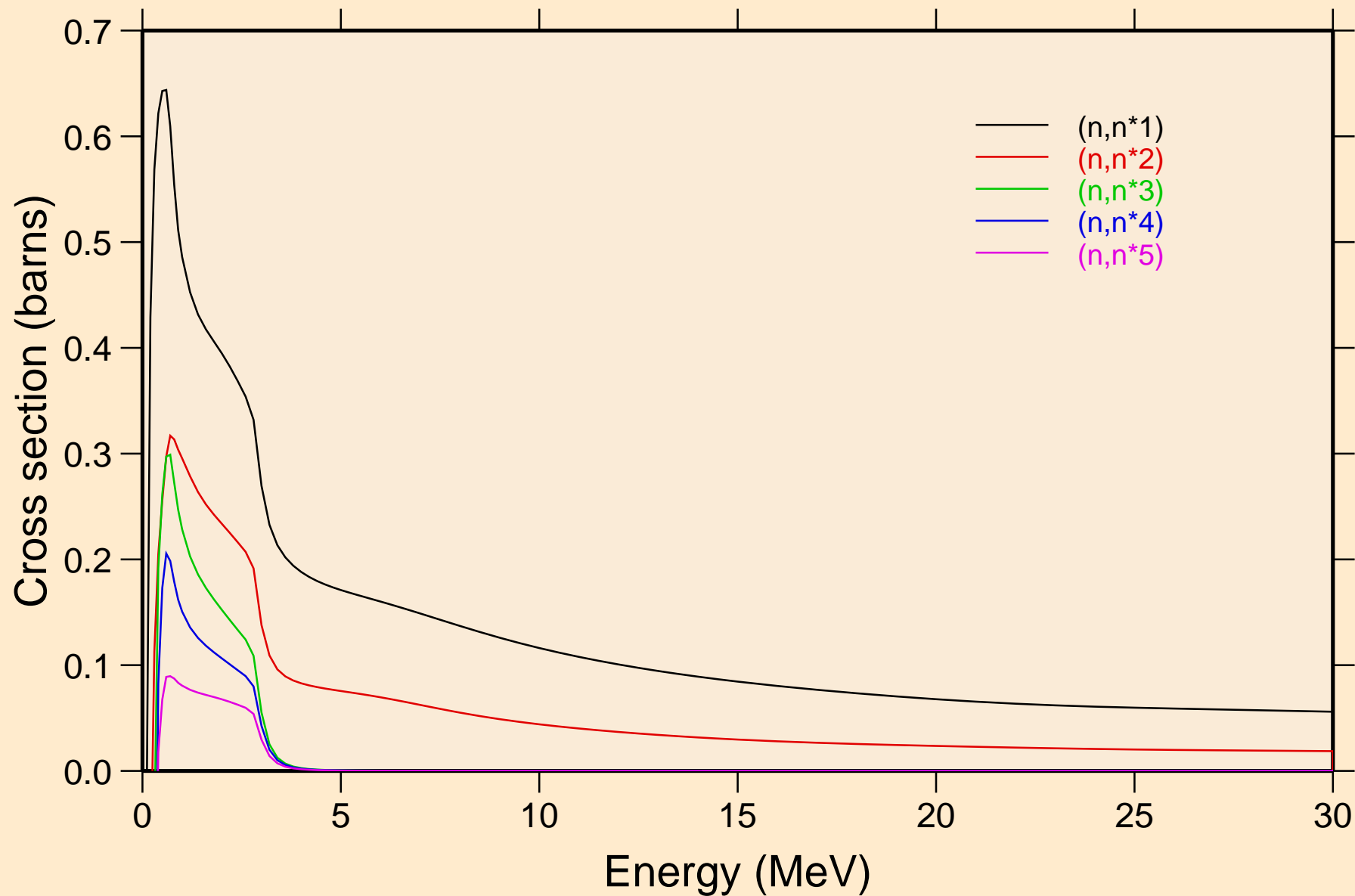


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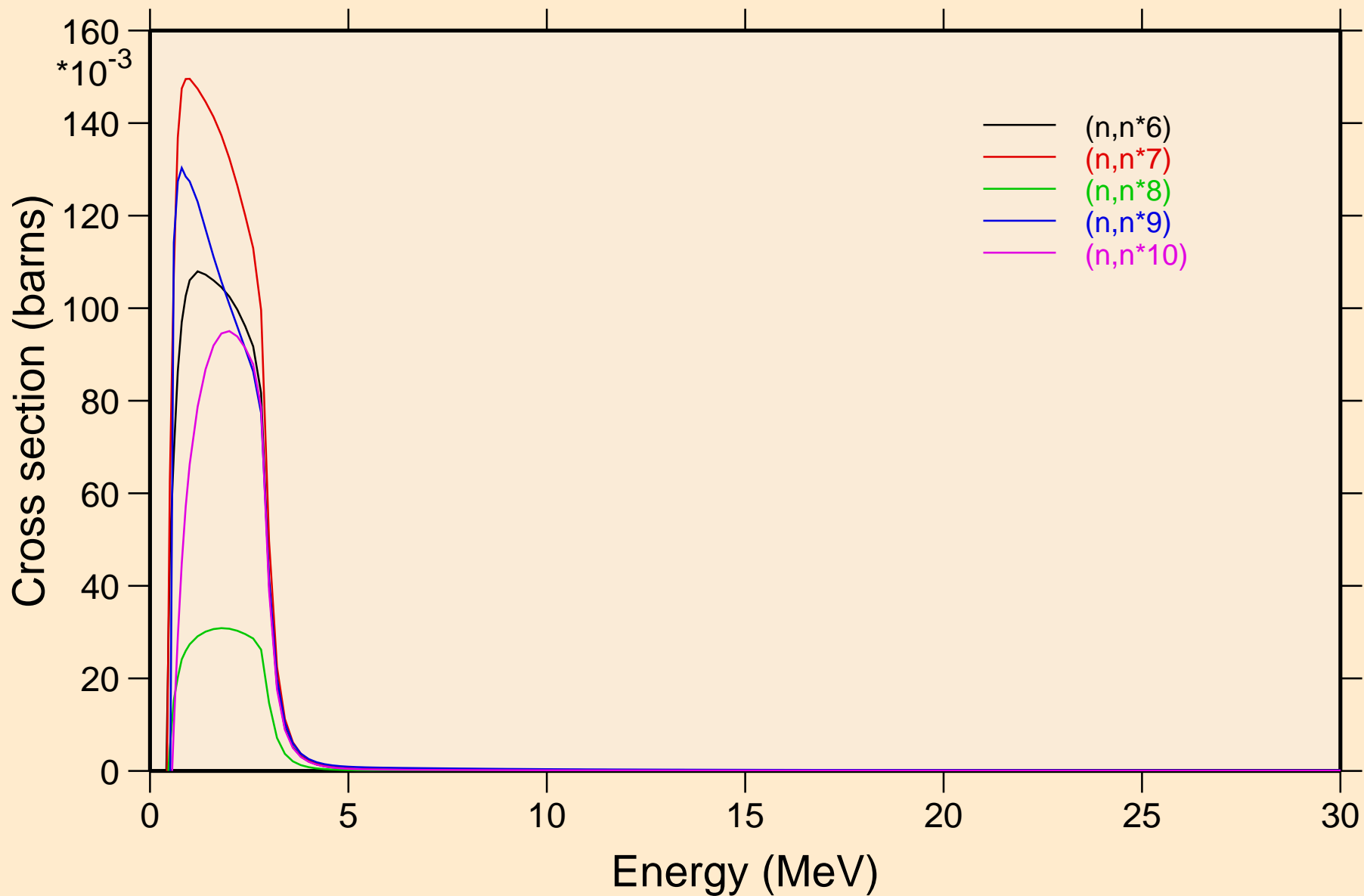
Non-threshold reactions



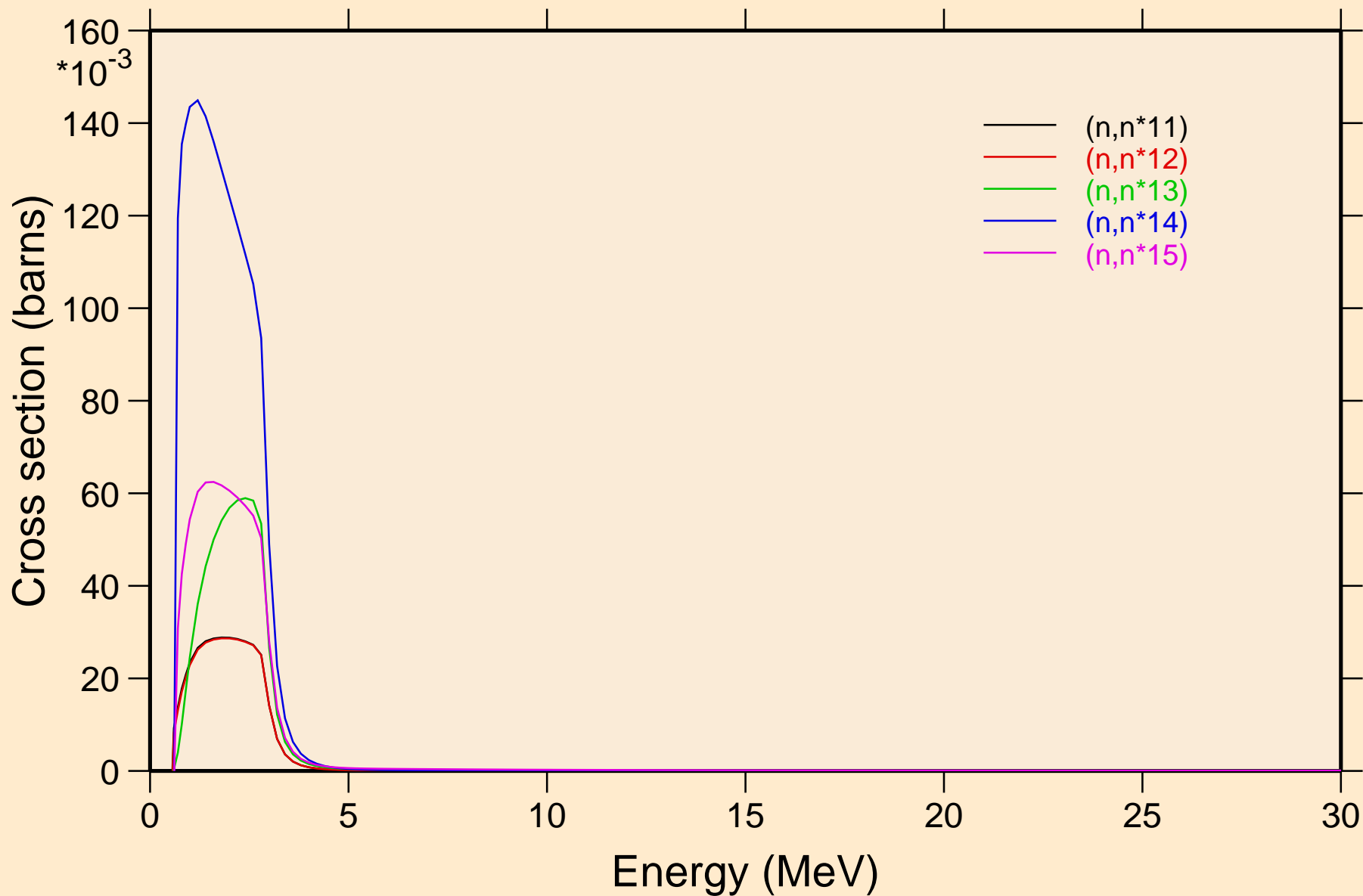
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



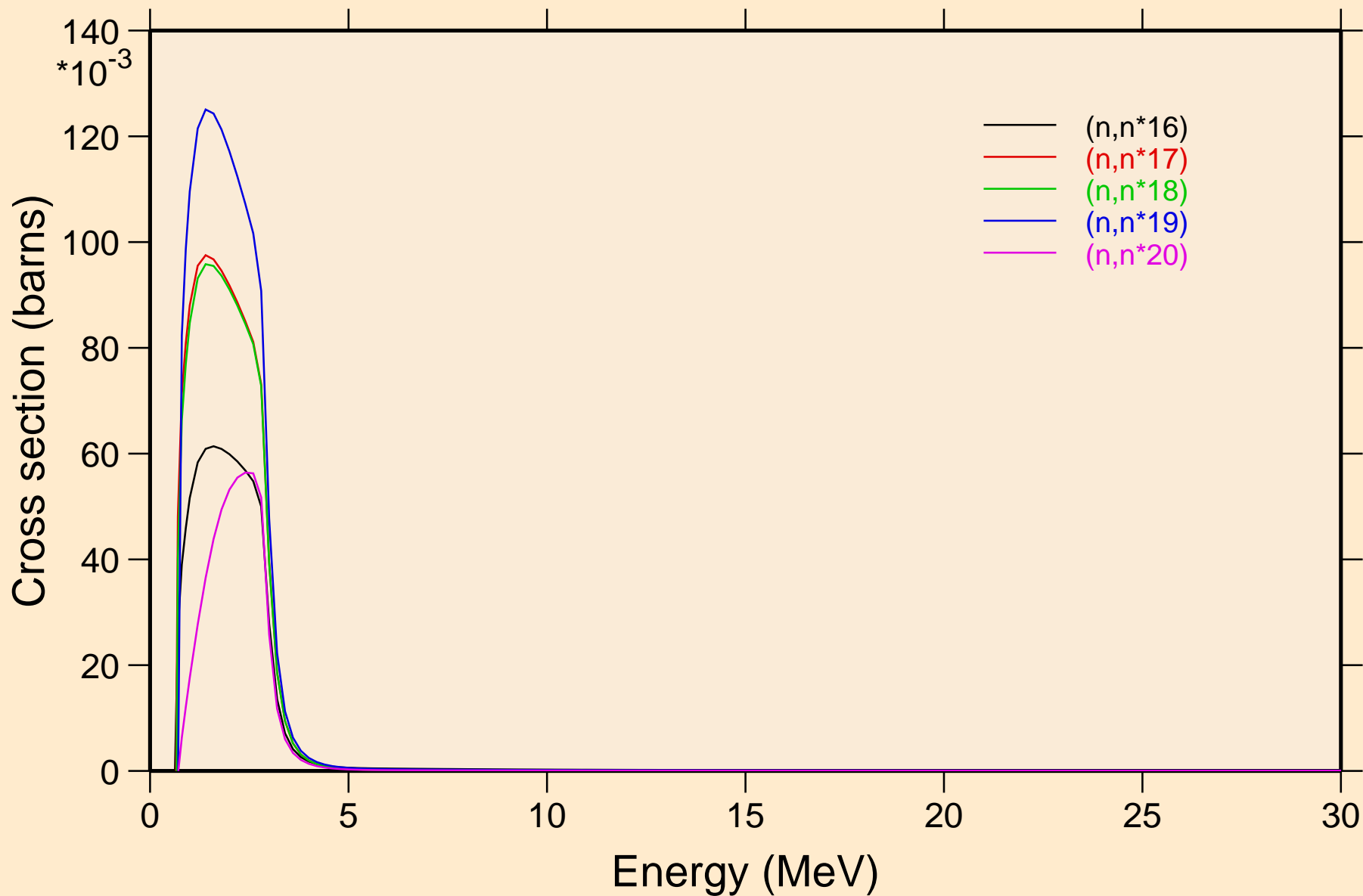
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



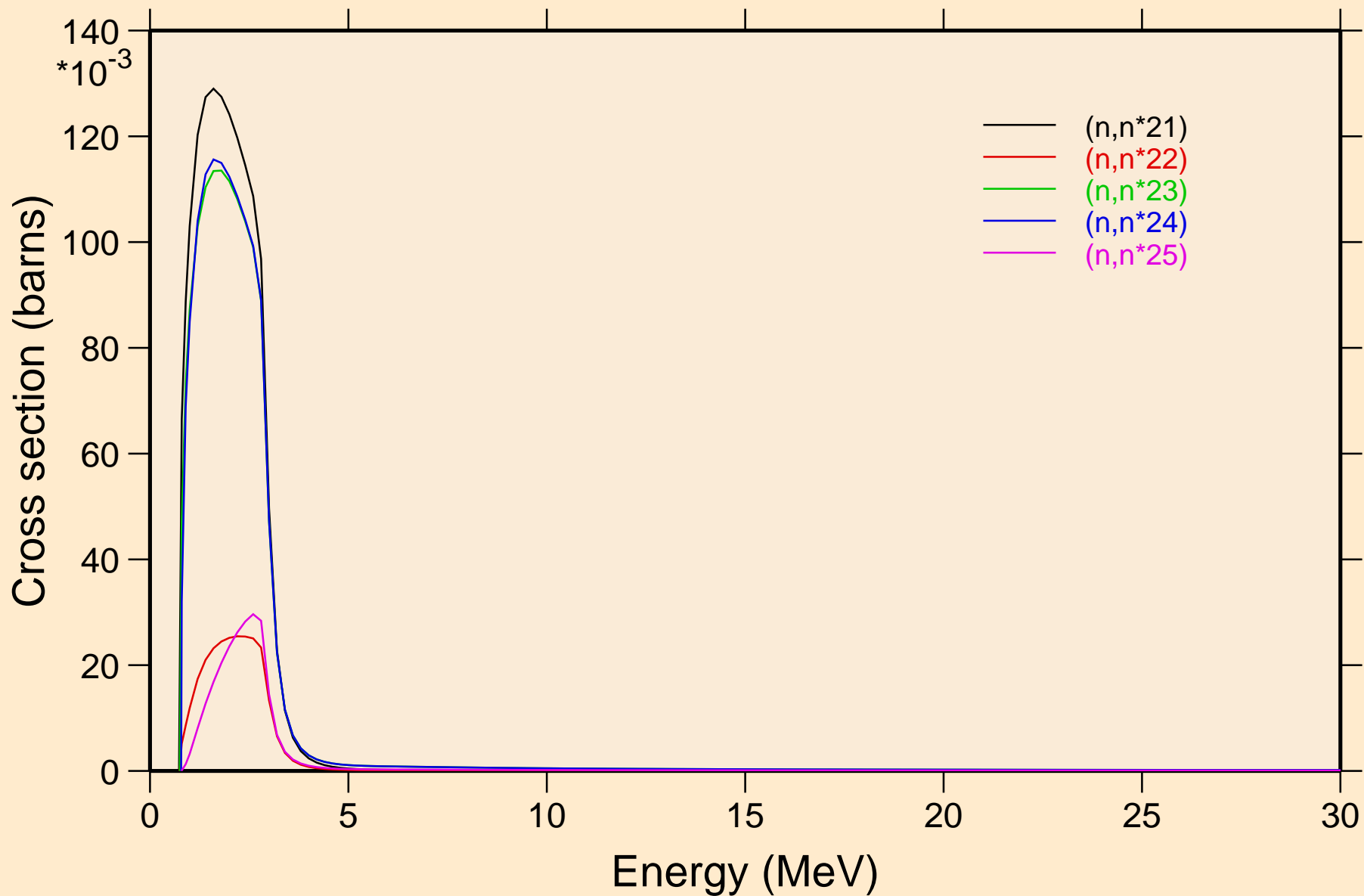
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



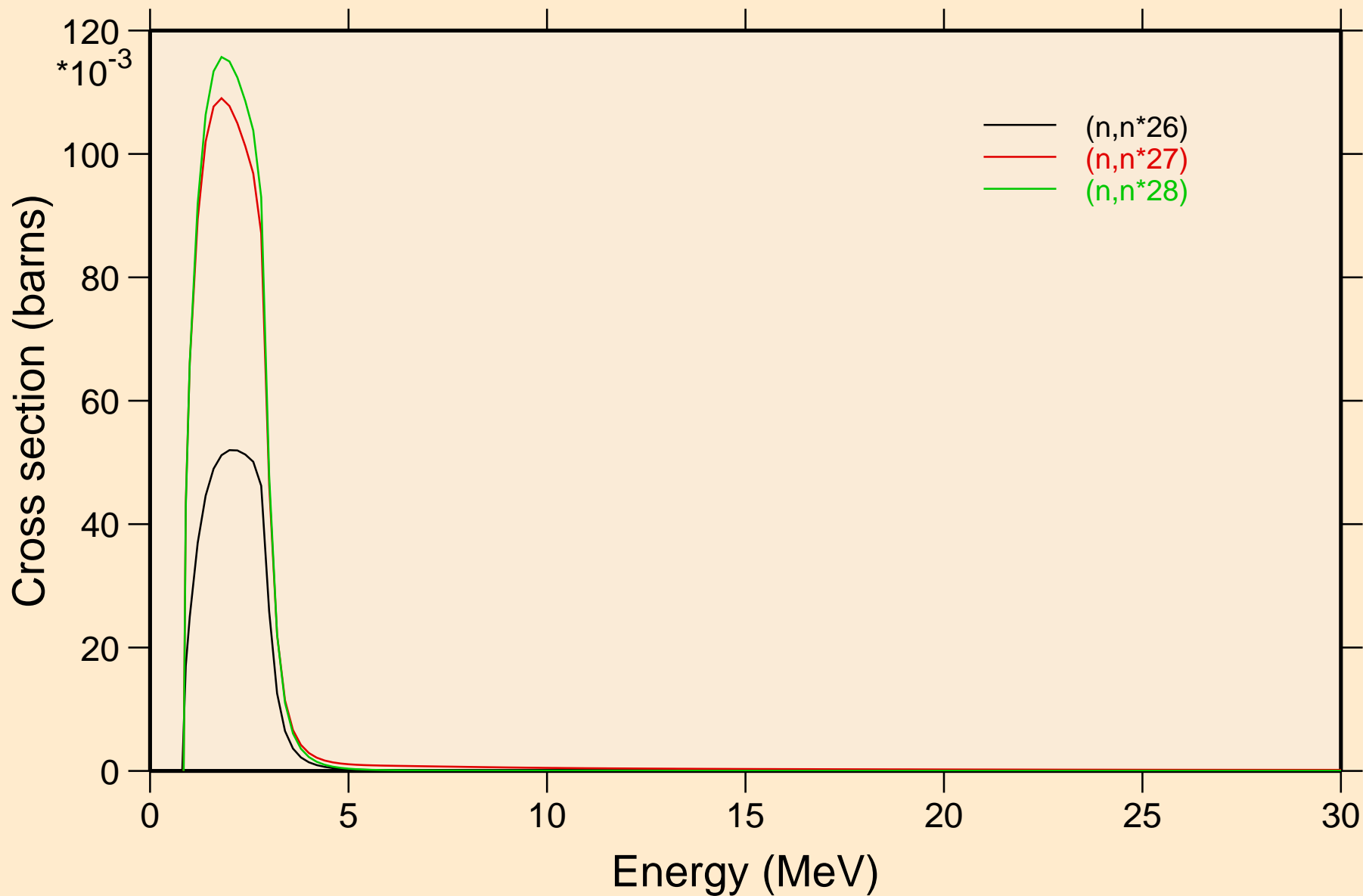
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



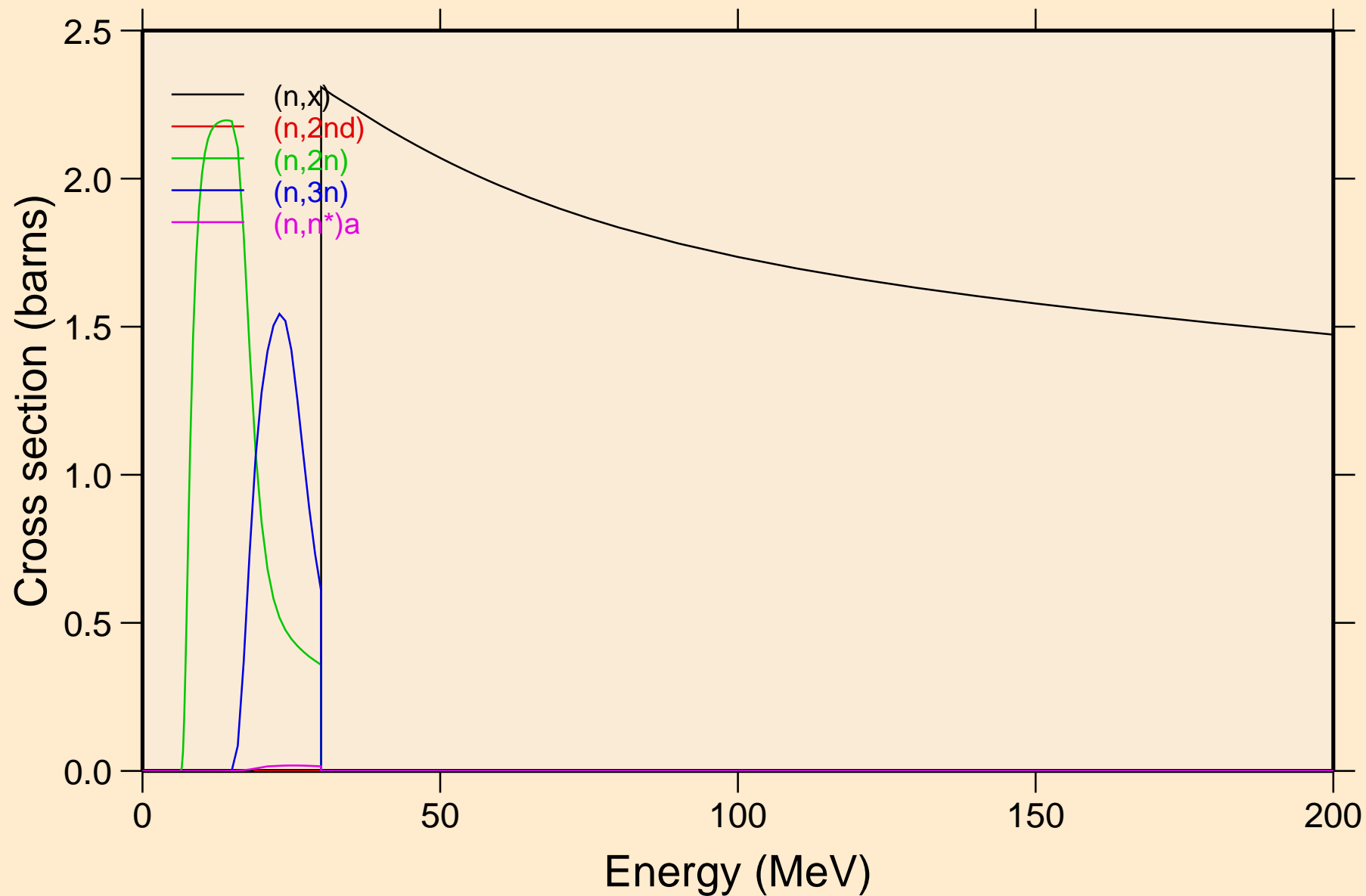
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



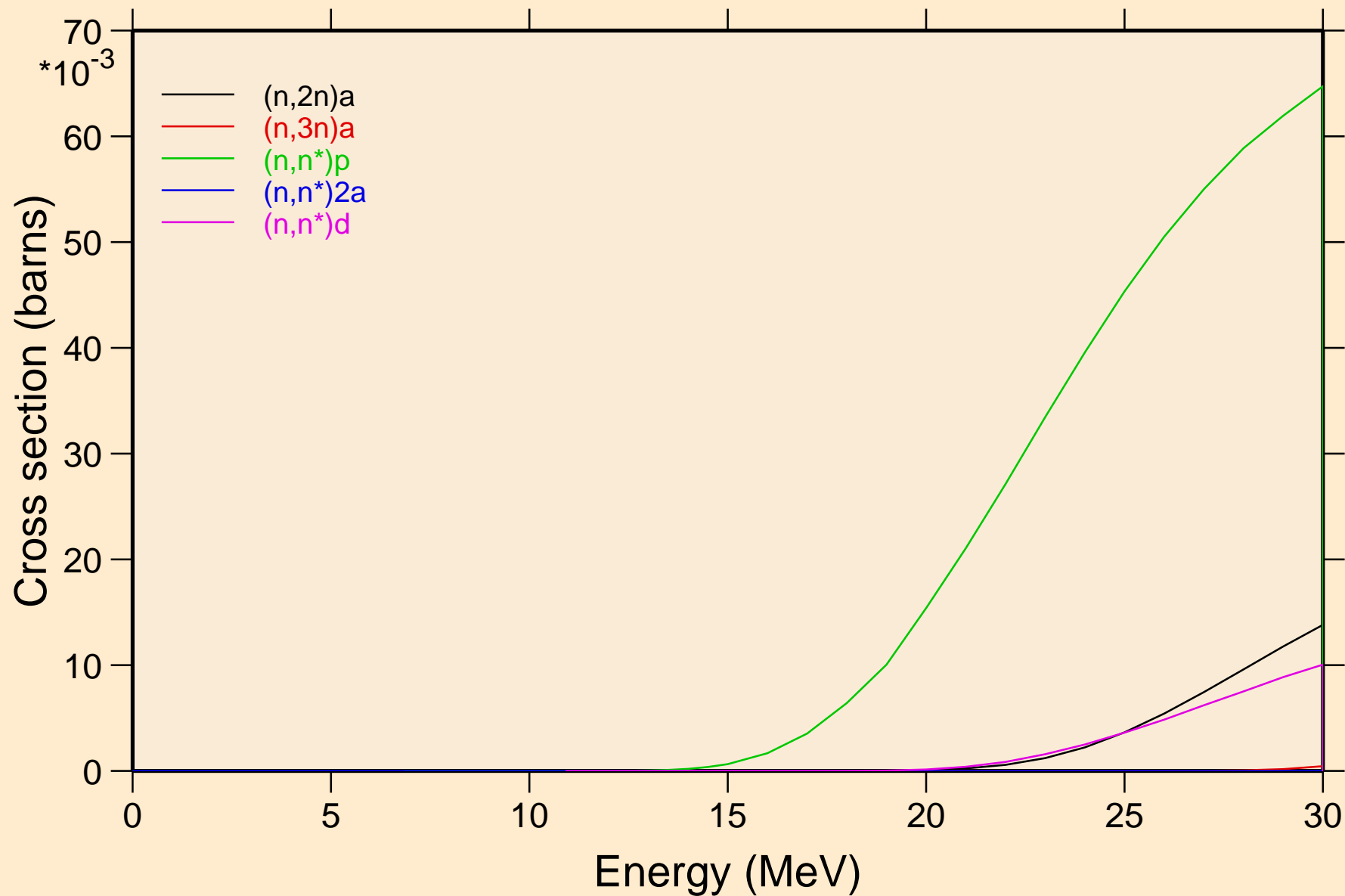
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



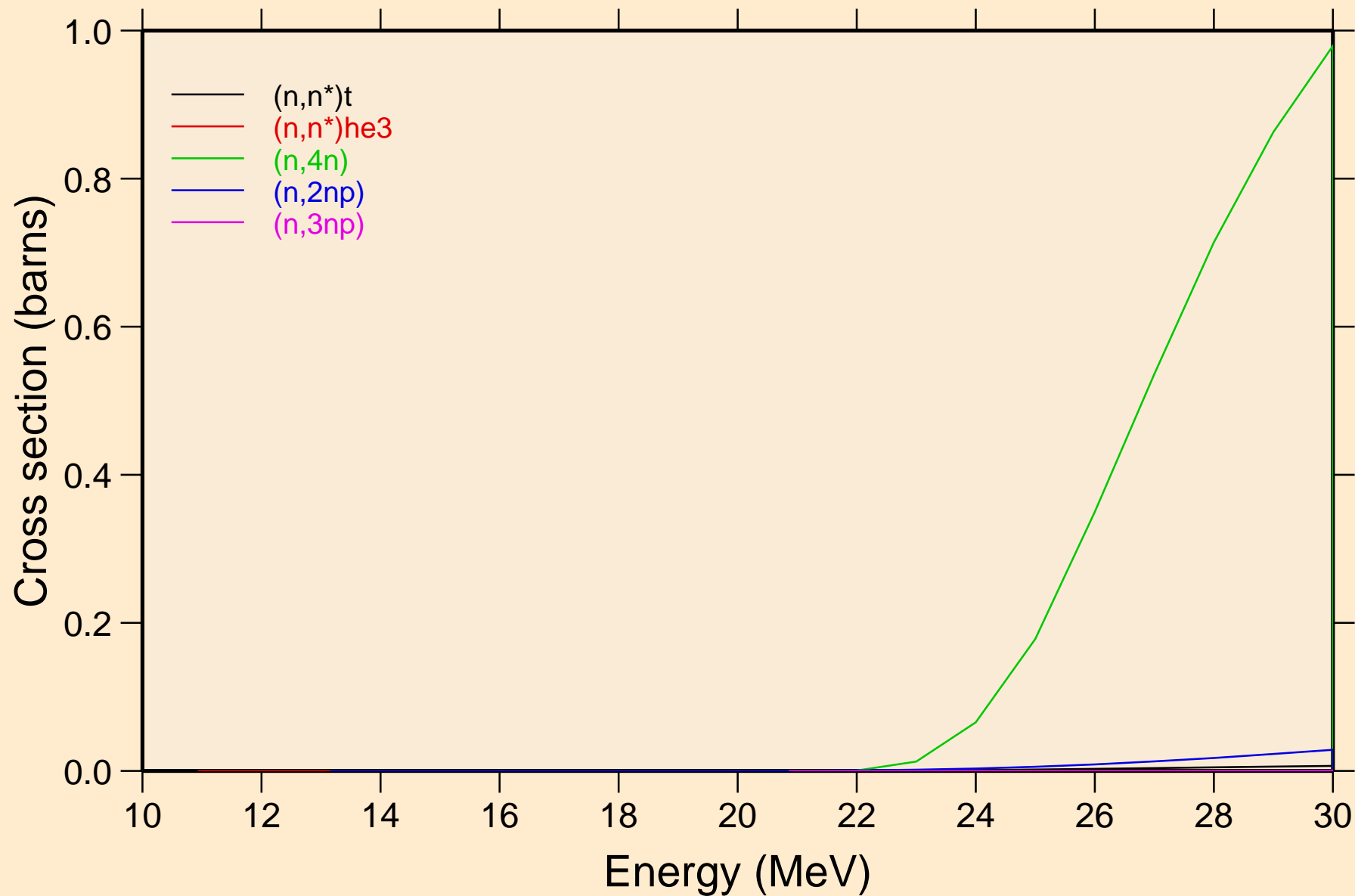
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Threshold reactions



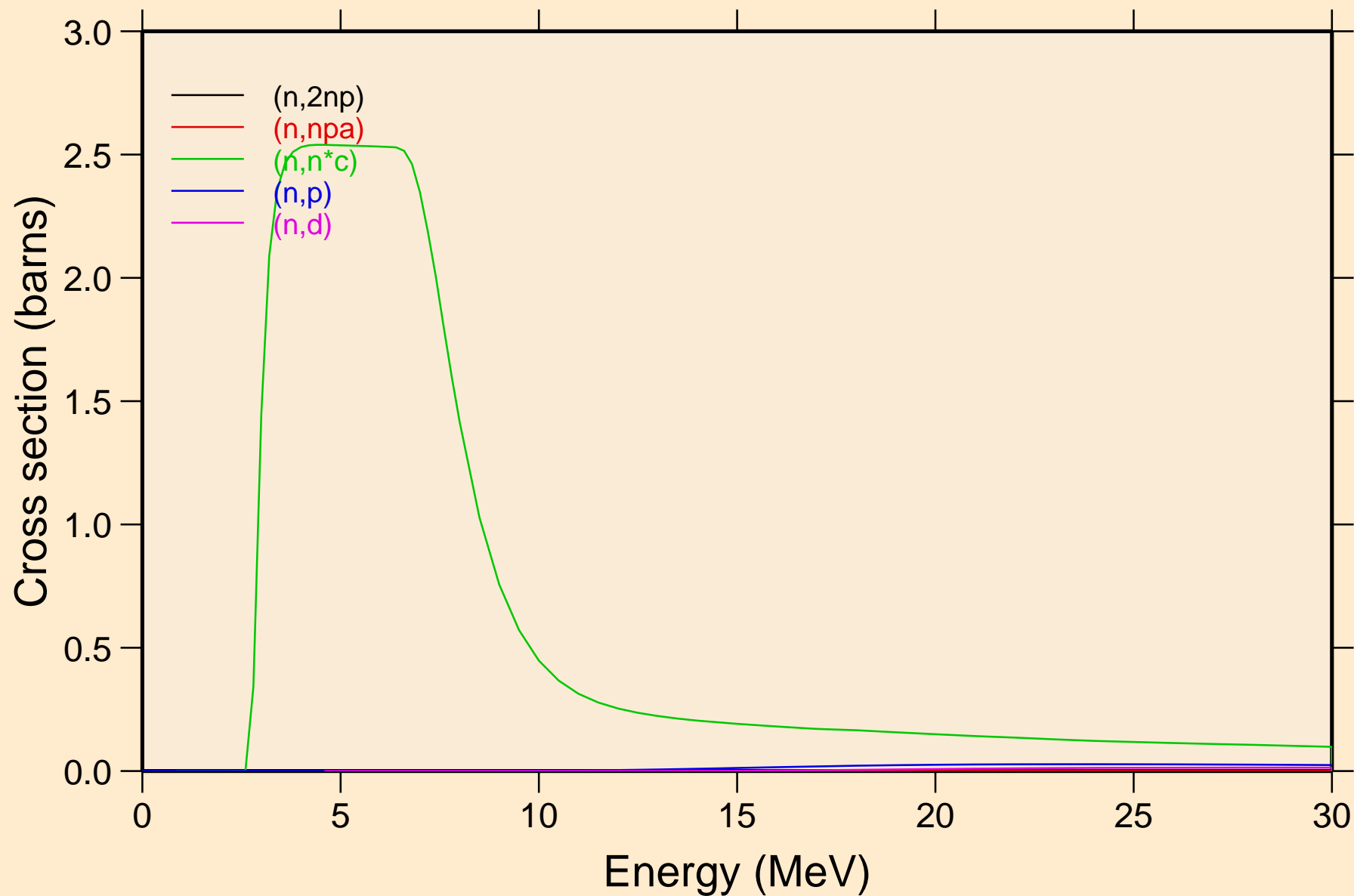
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



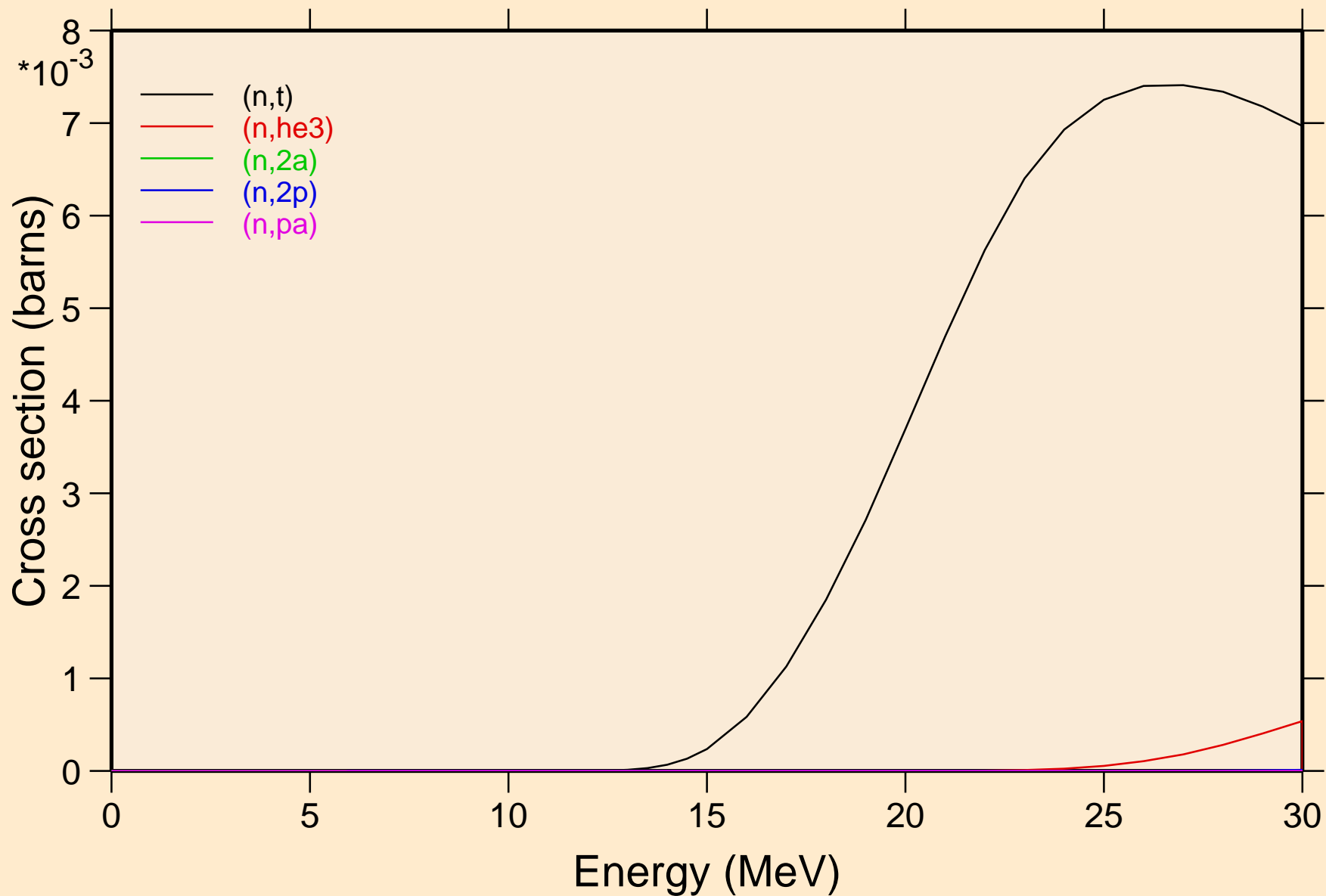
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

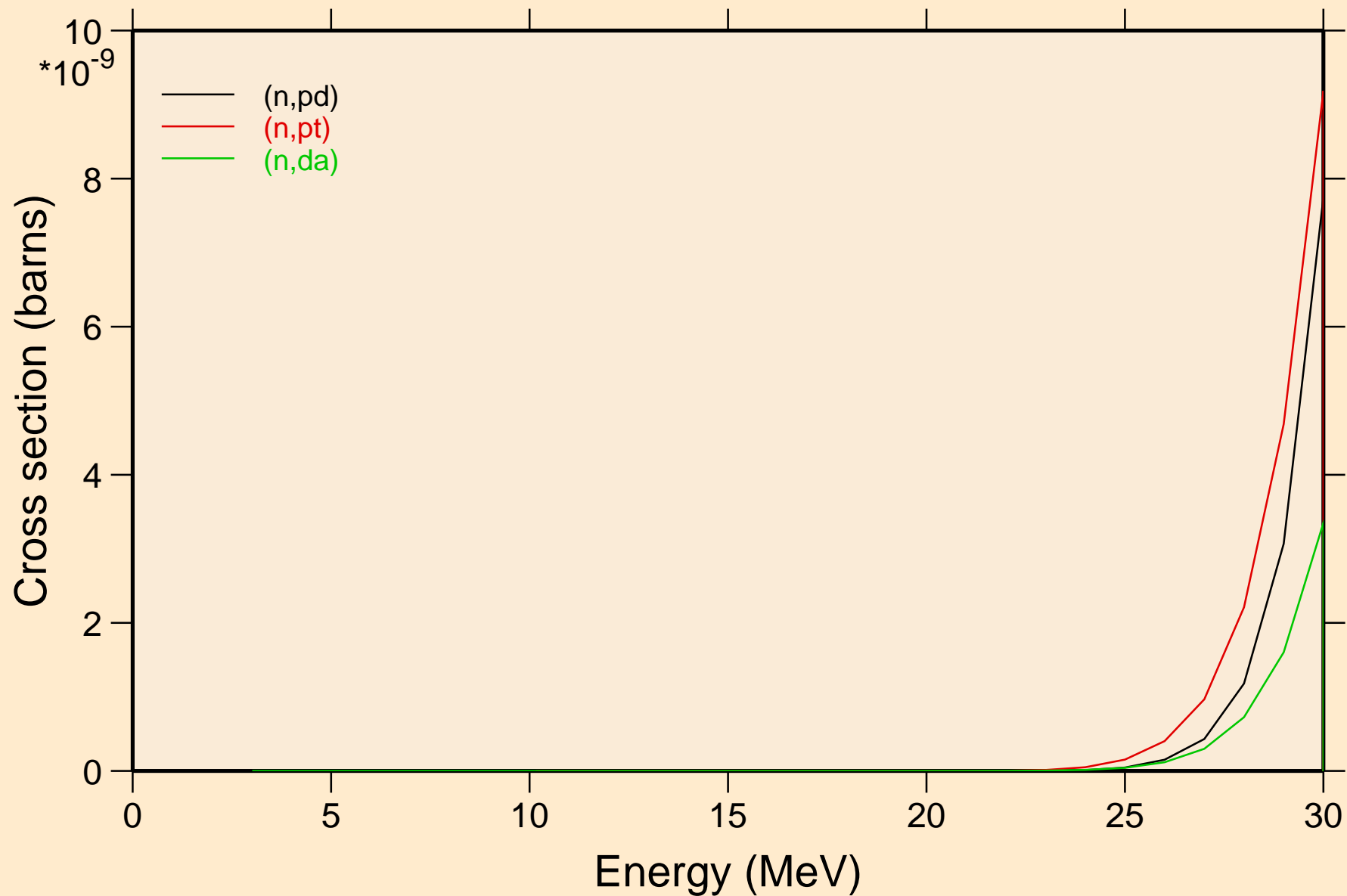


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



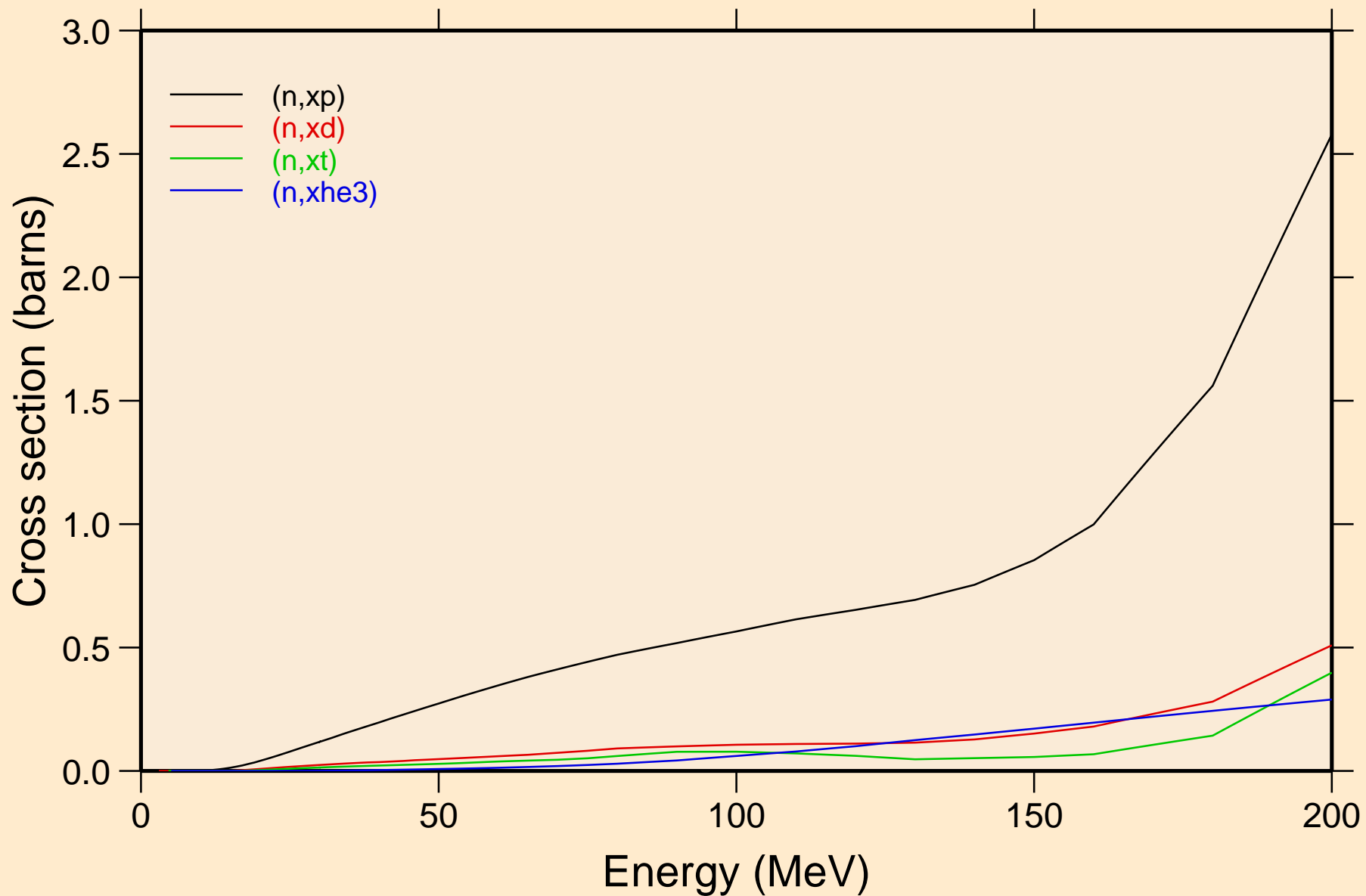
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Threshold reactions

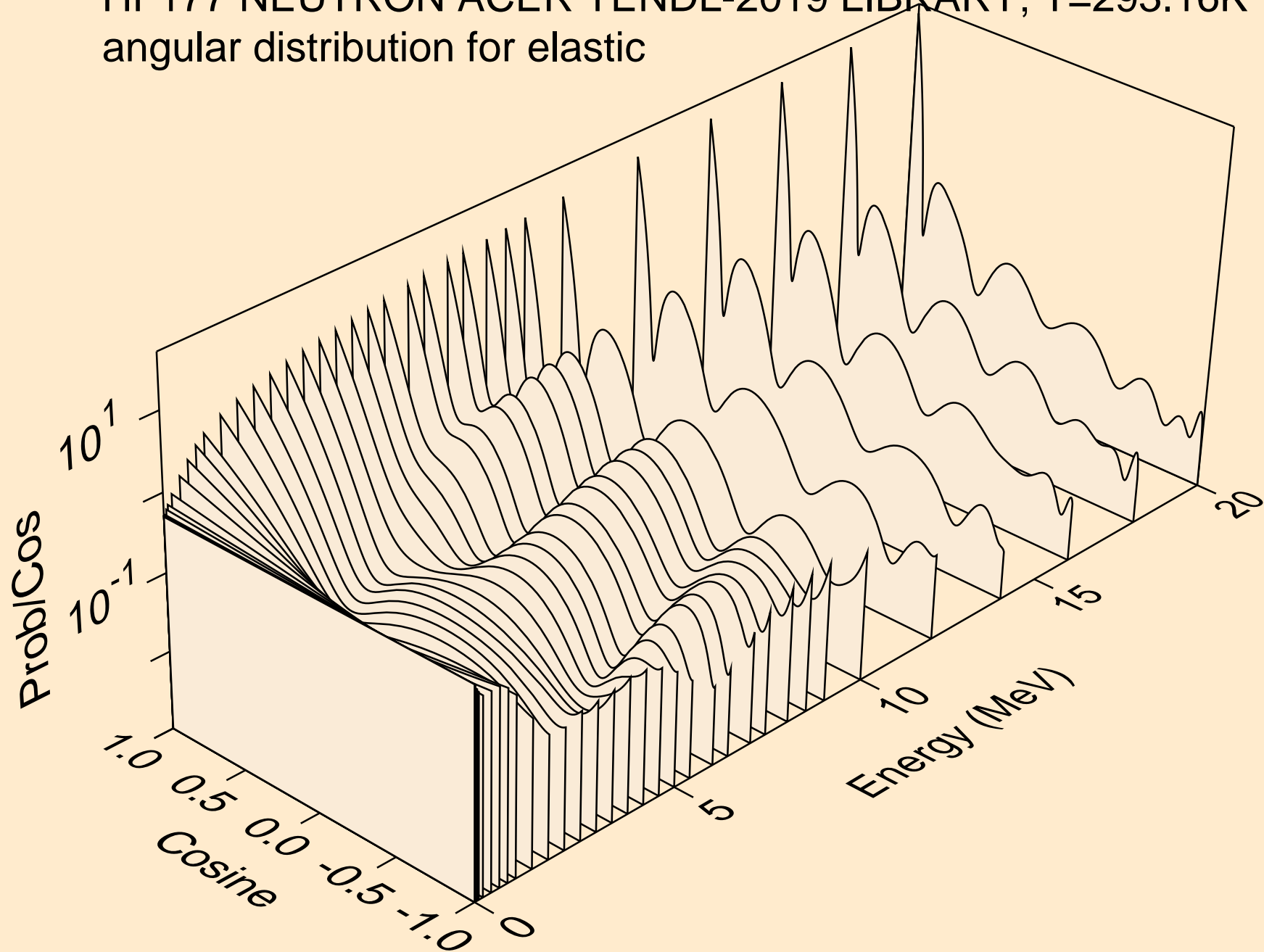


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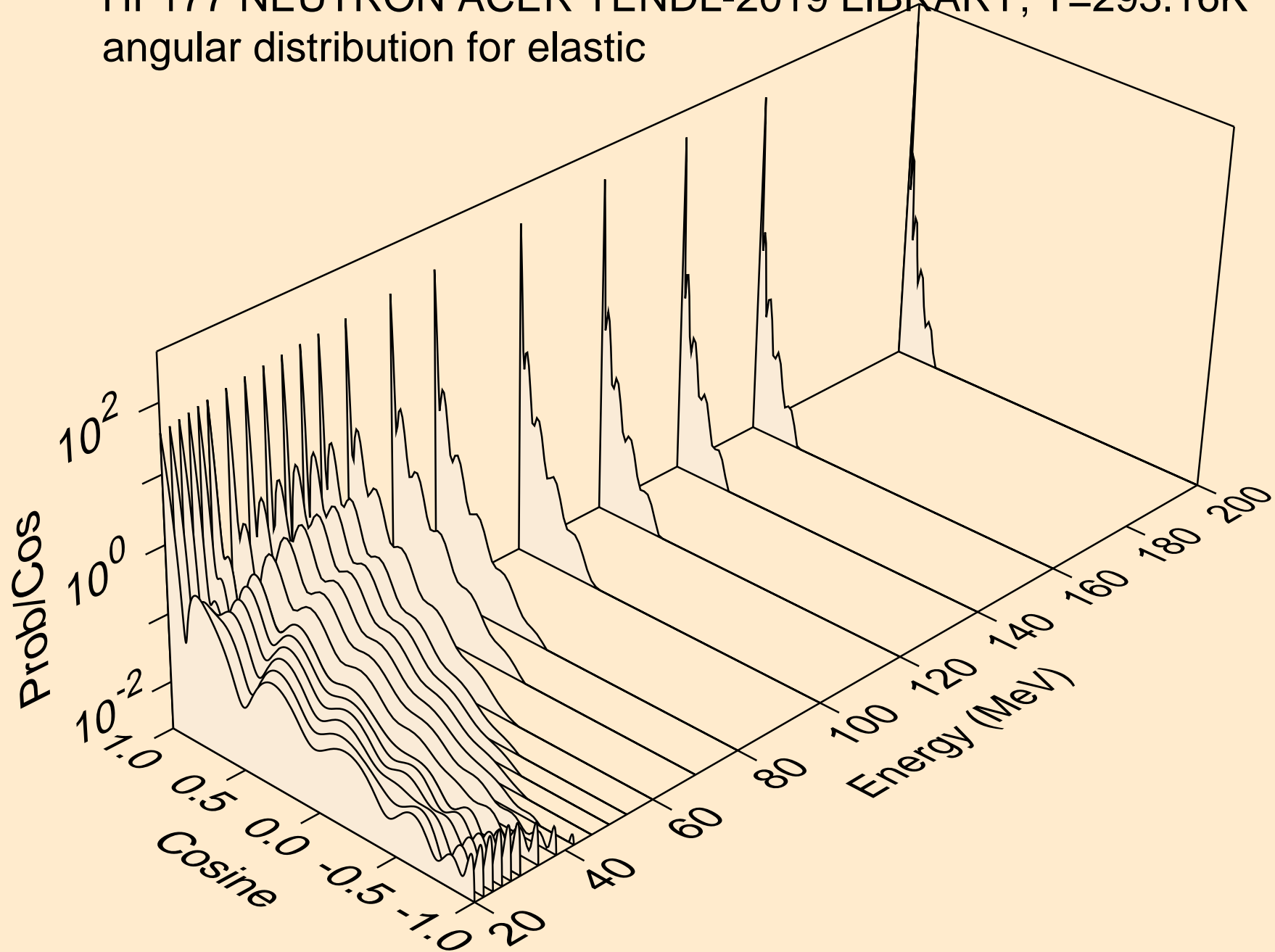
Threshold reactions



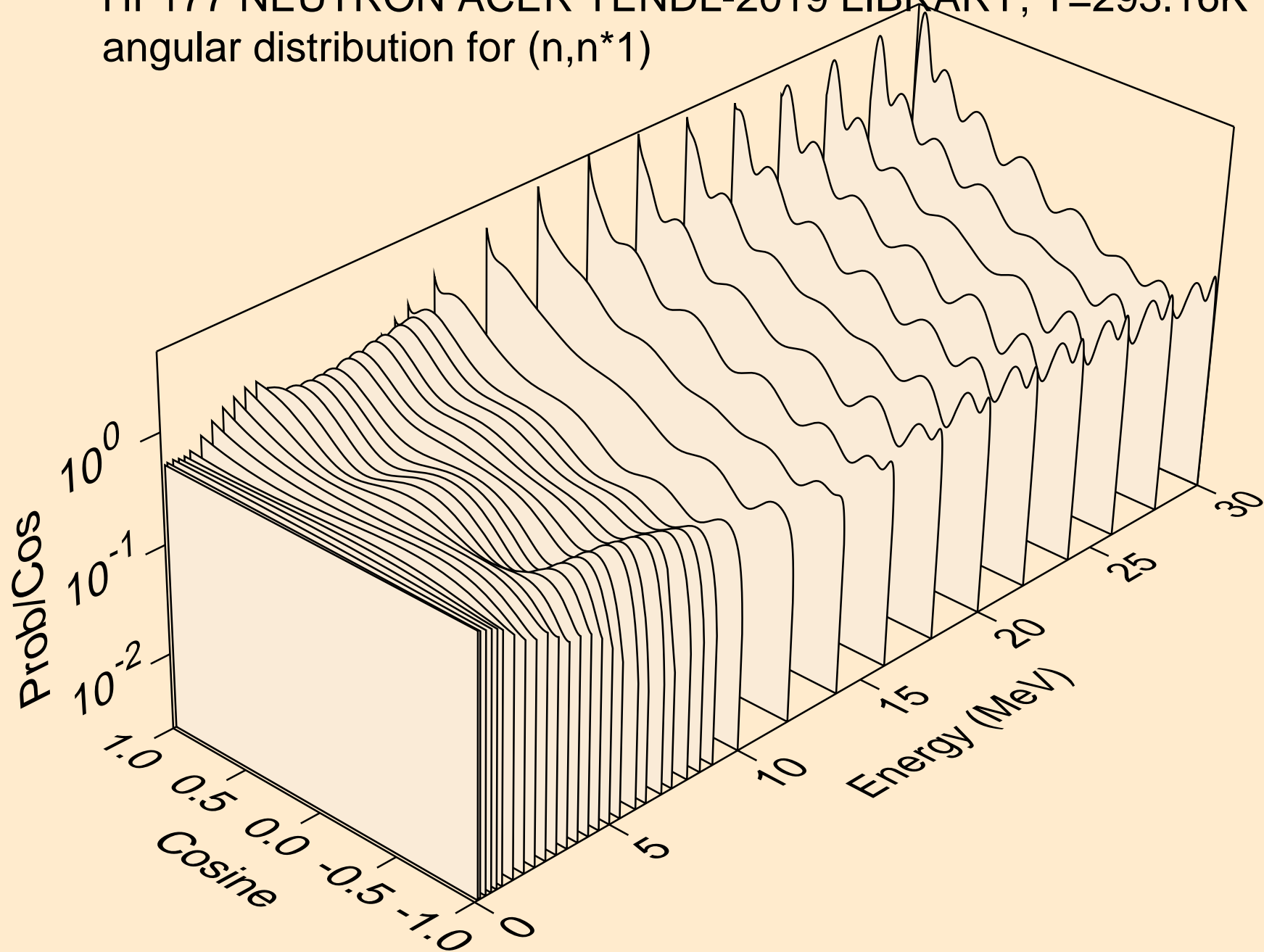
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



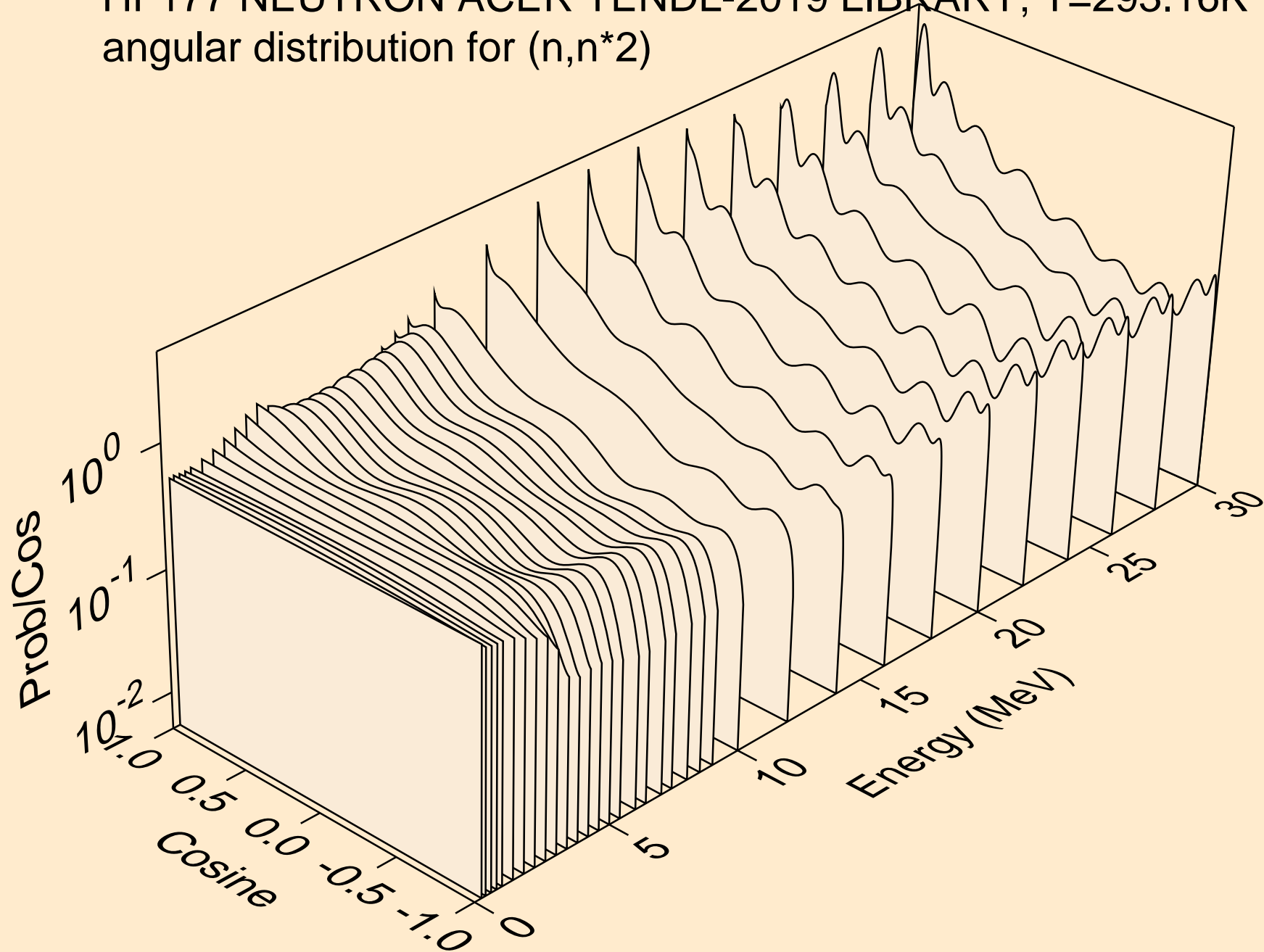
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



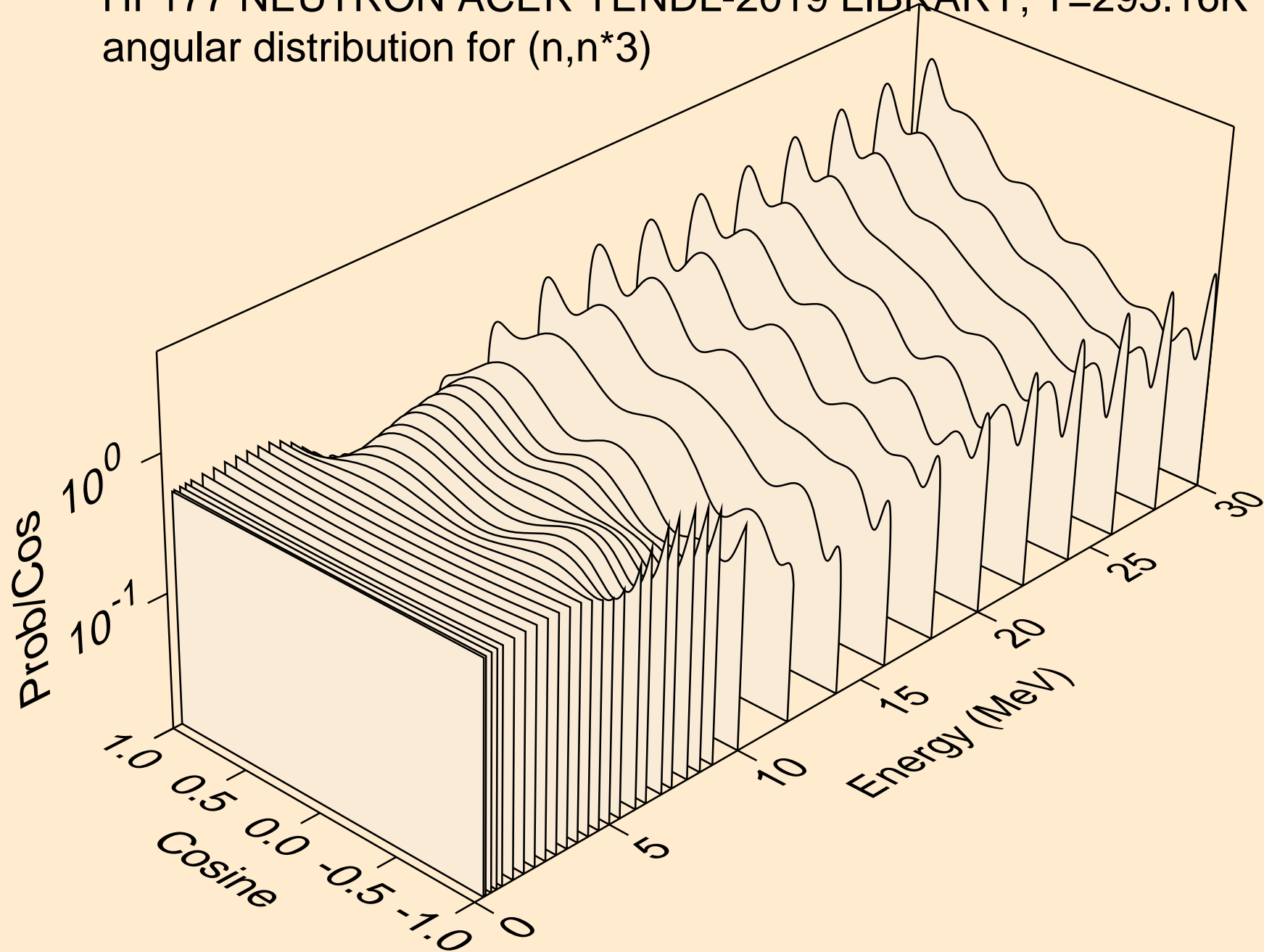
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



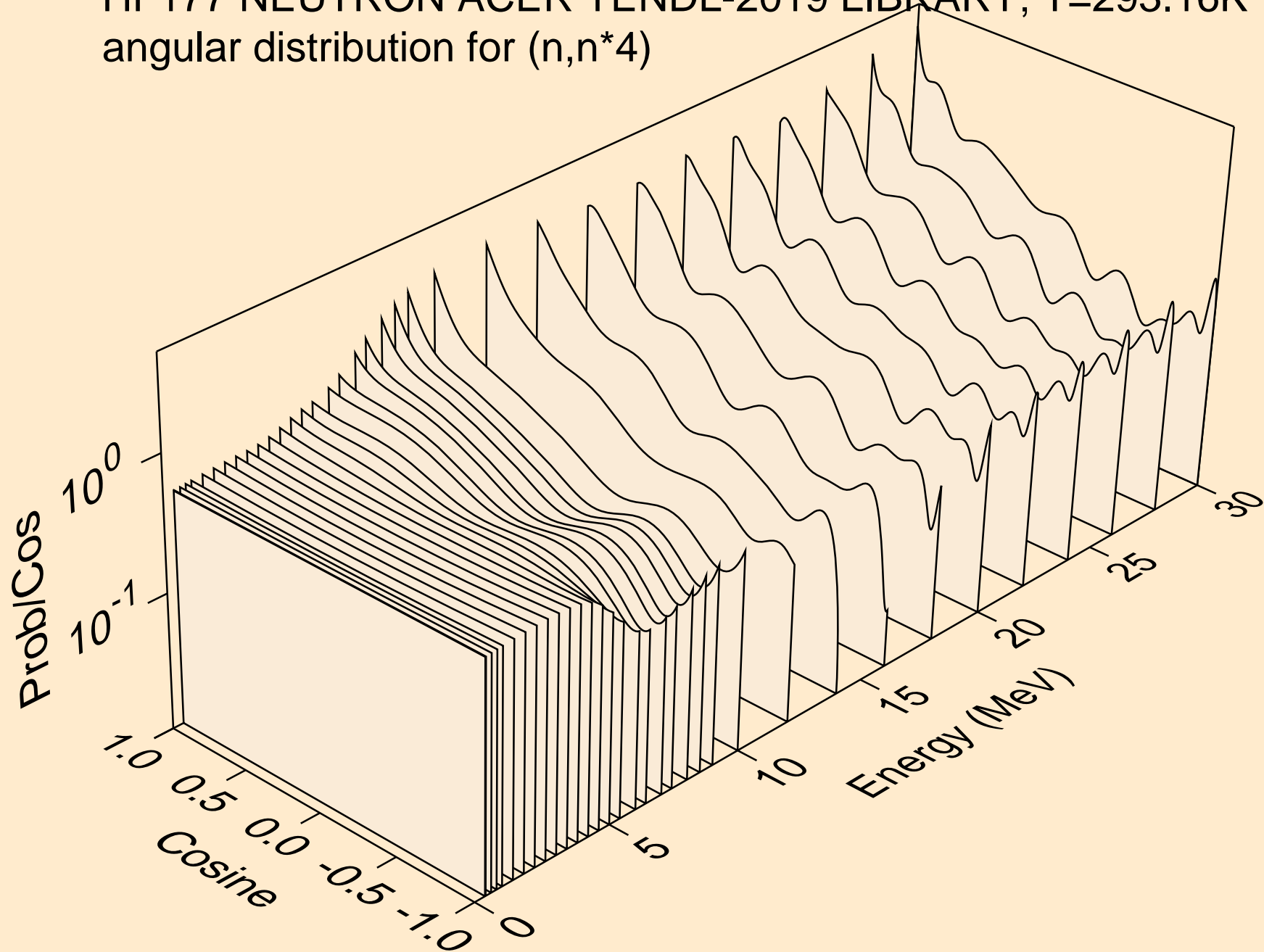
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angular distribution for (n,n*2)



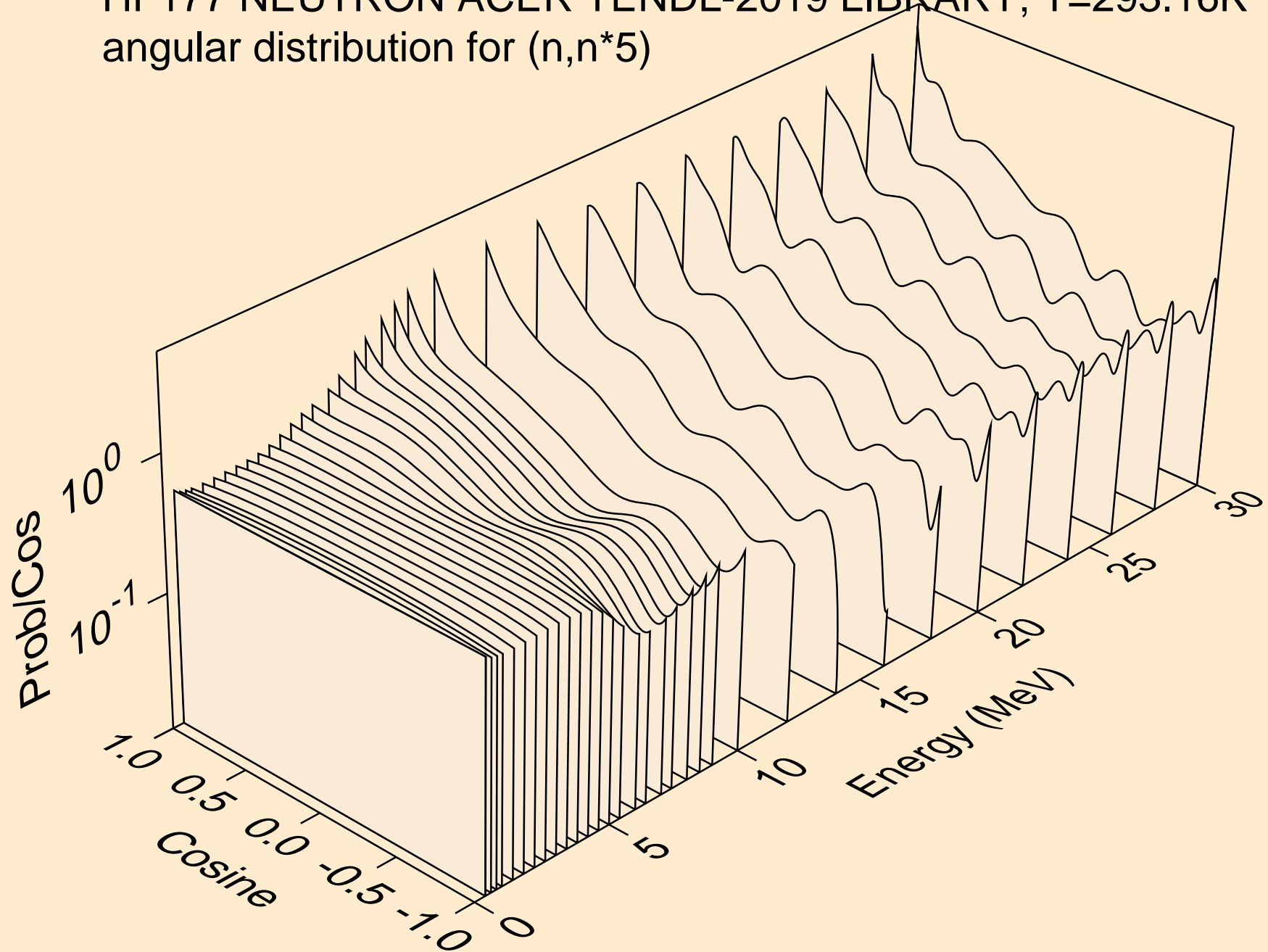
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



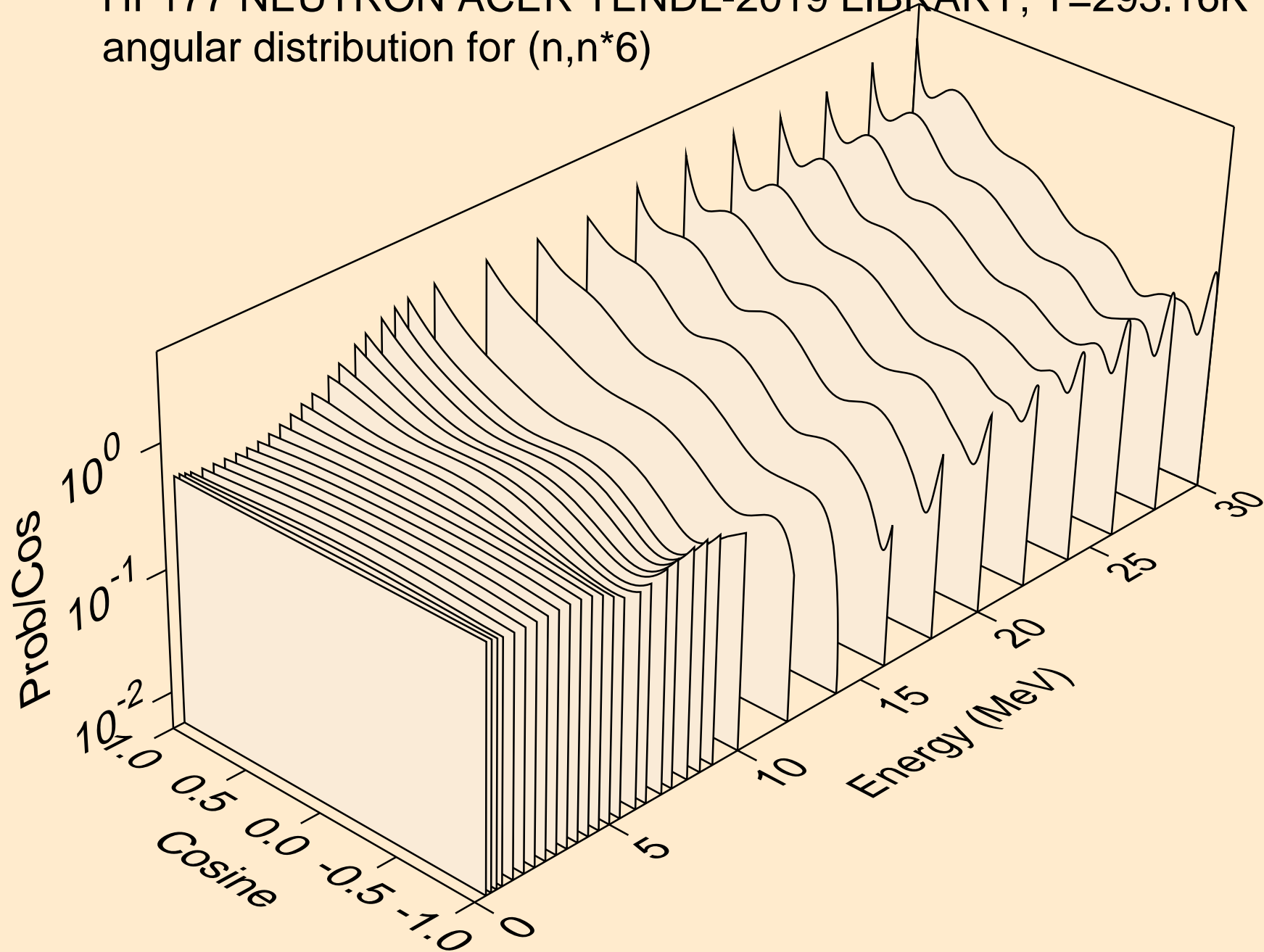
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angular distribution for (n,n*4)



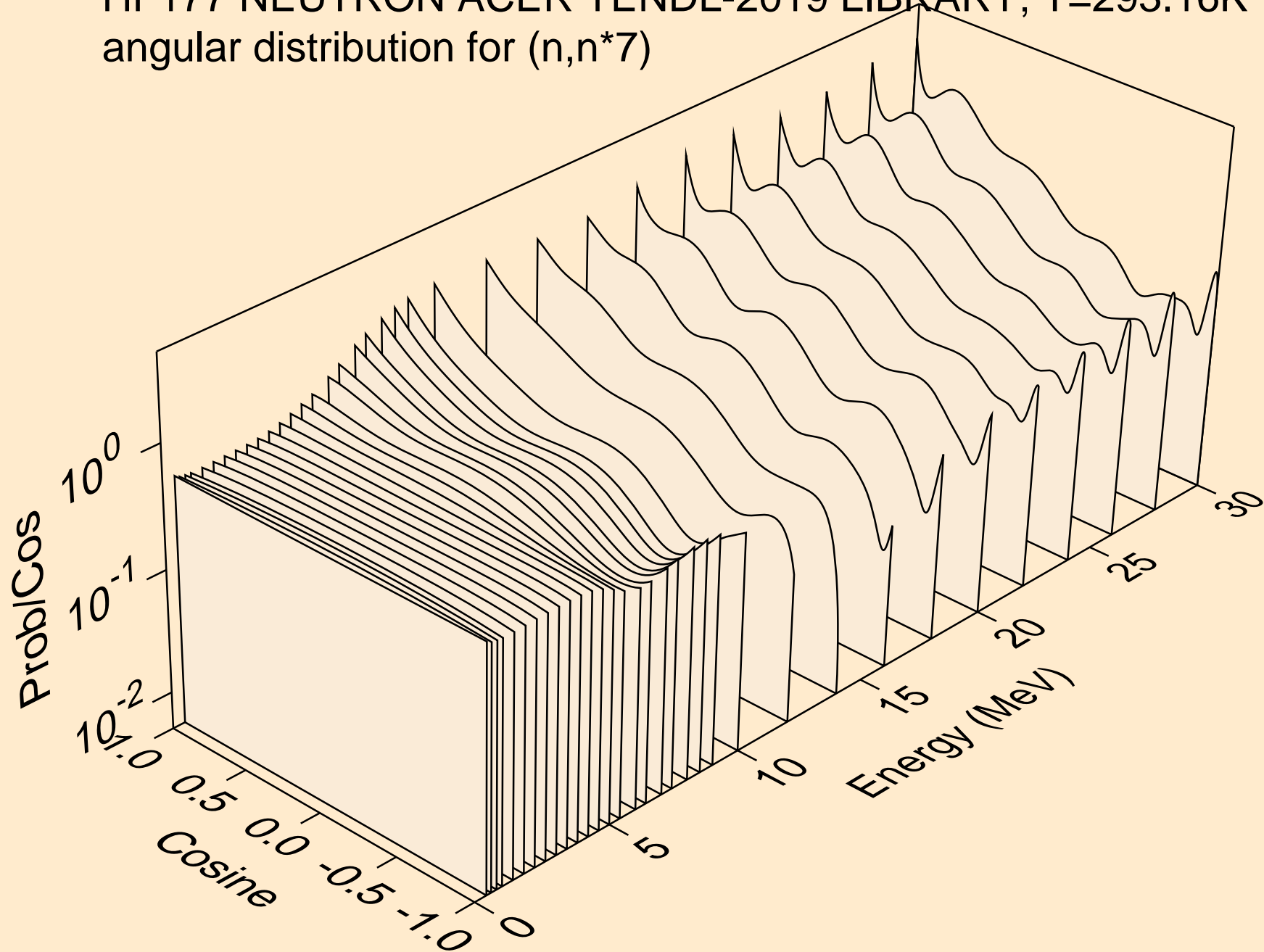
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angular distribution for (n,n*5)



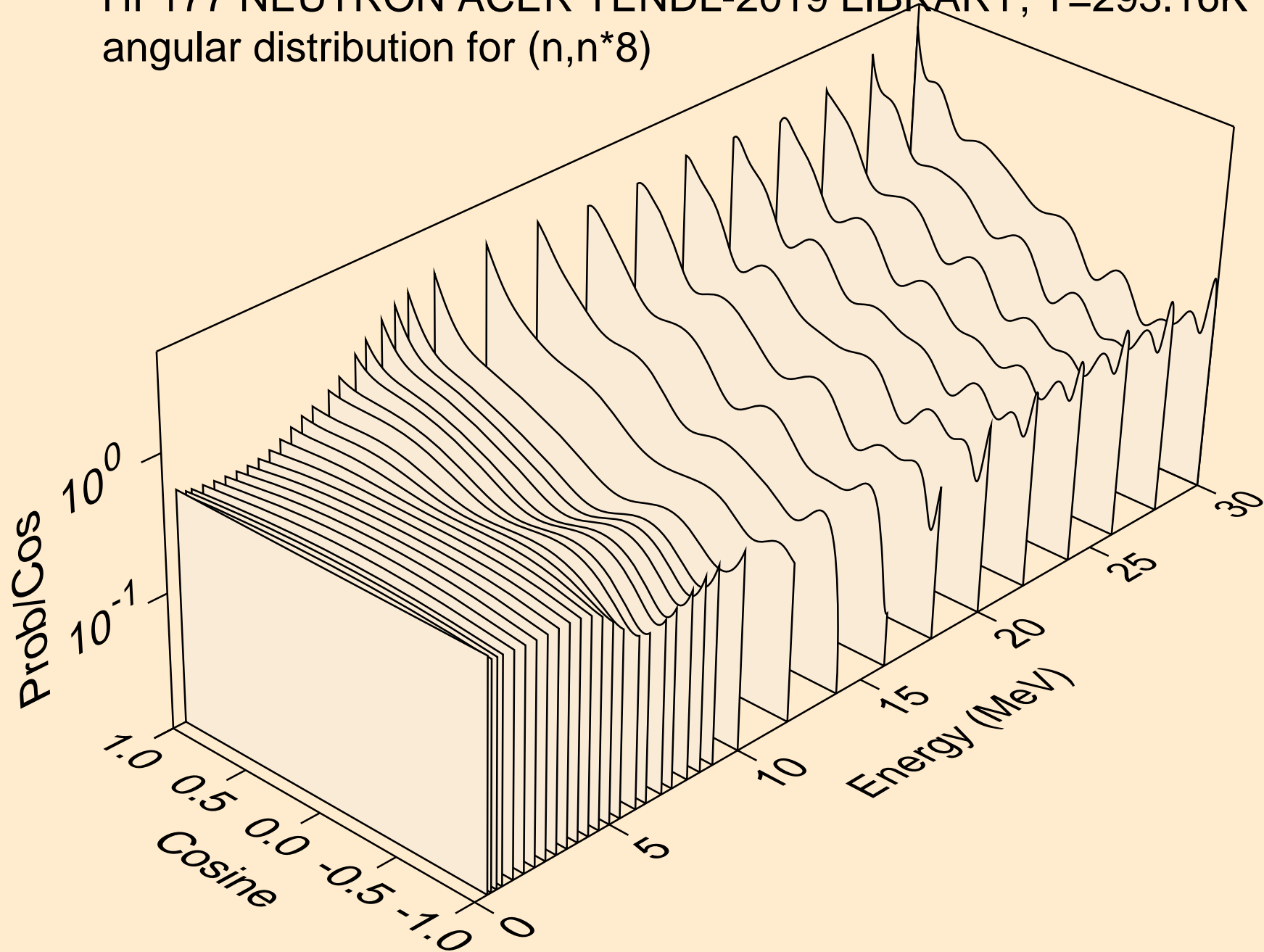
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angular distribution for (n,n*6)



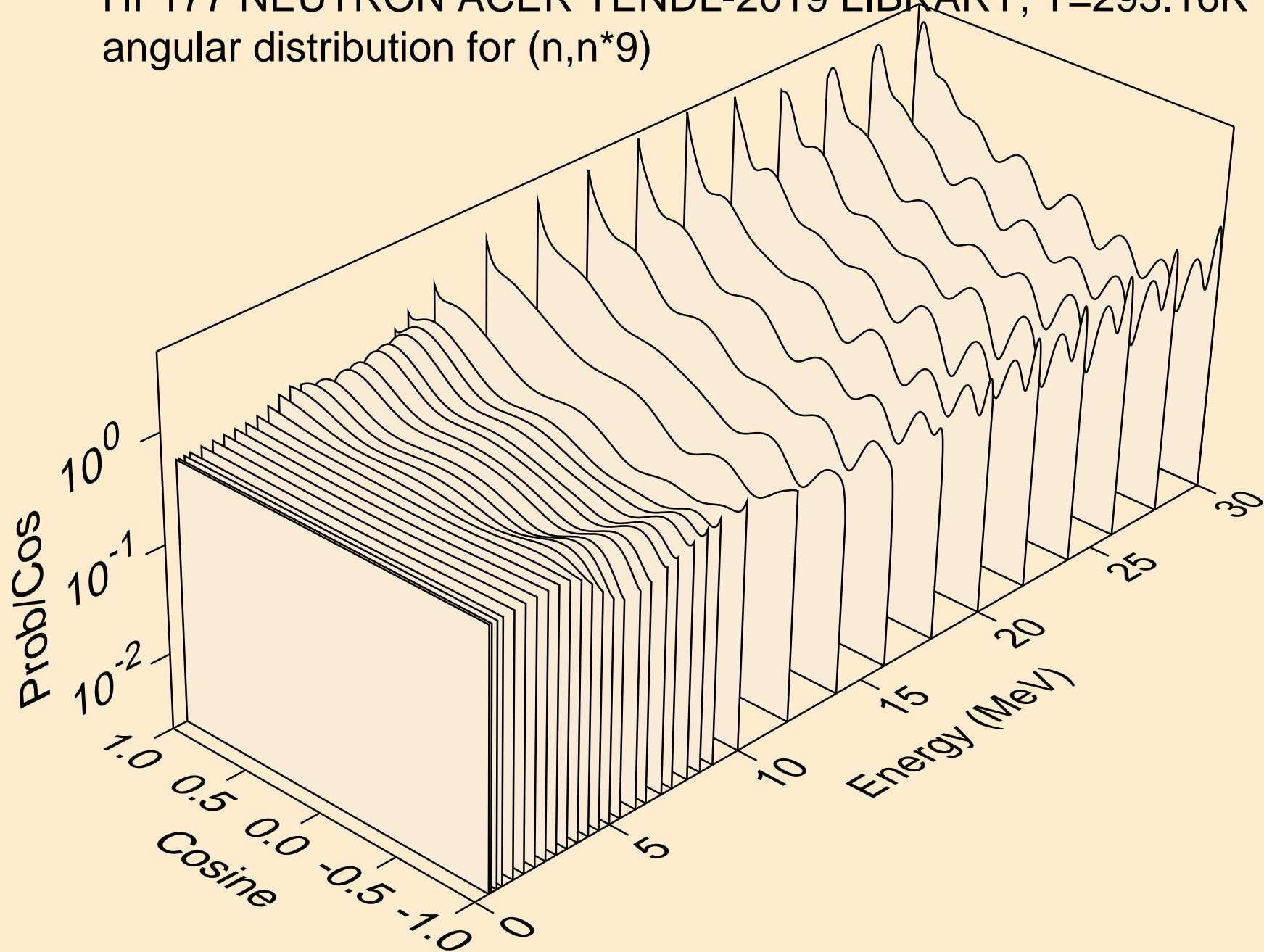
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angular distribution for (n,n*7)



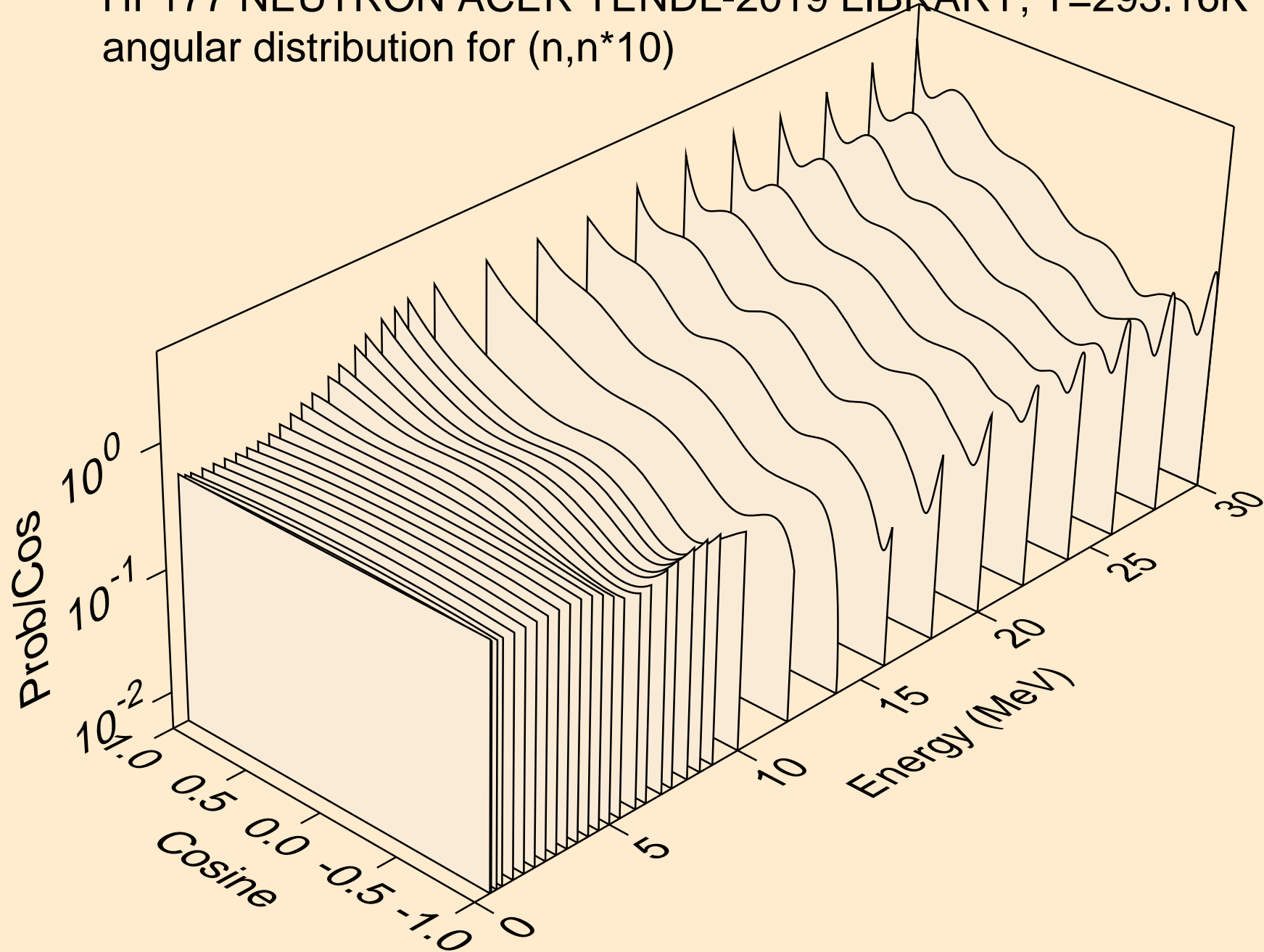
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angular distribution for (n,n*8)



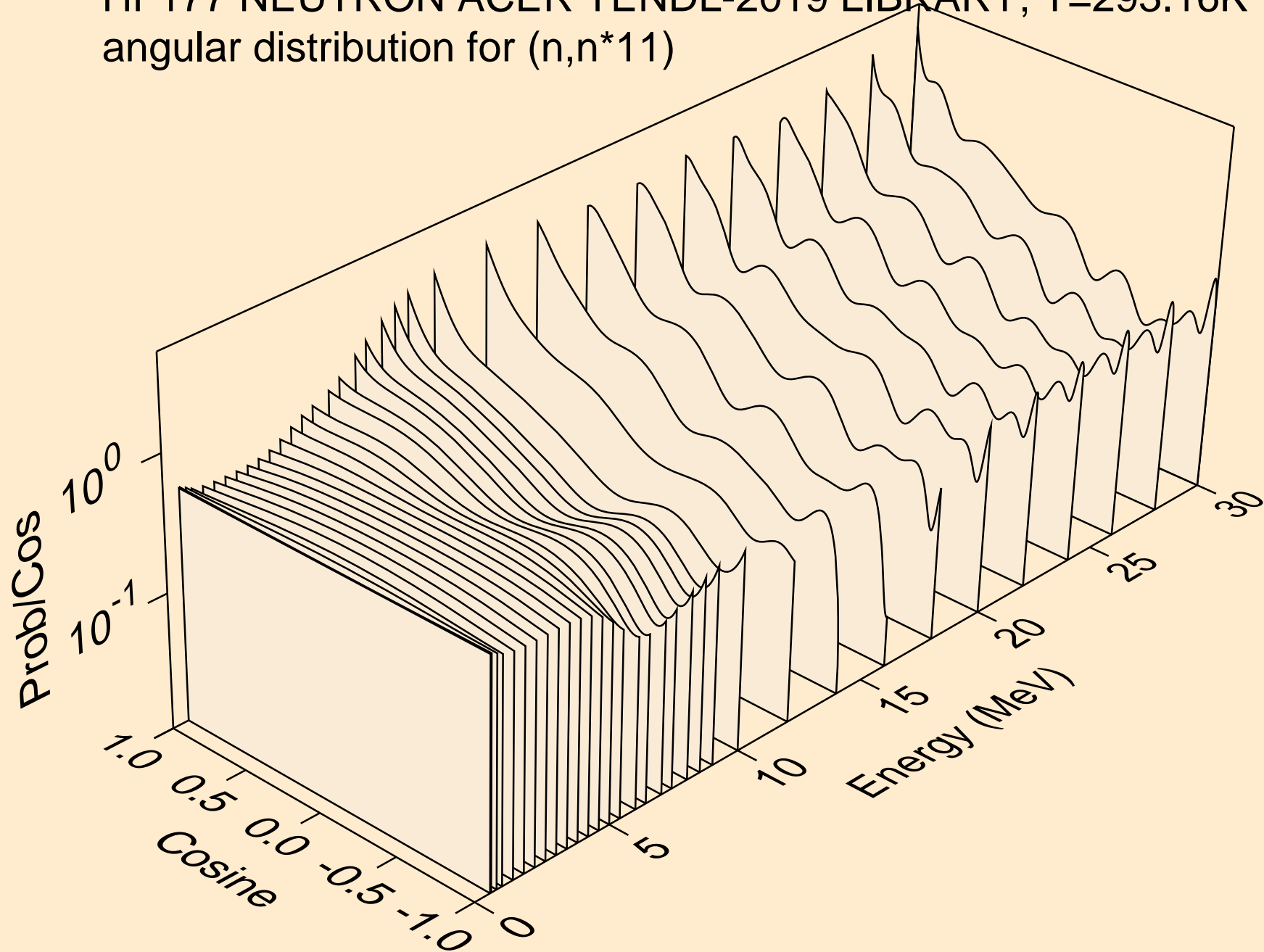
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angular distribution for (n,n*9)



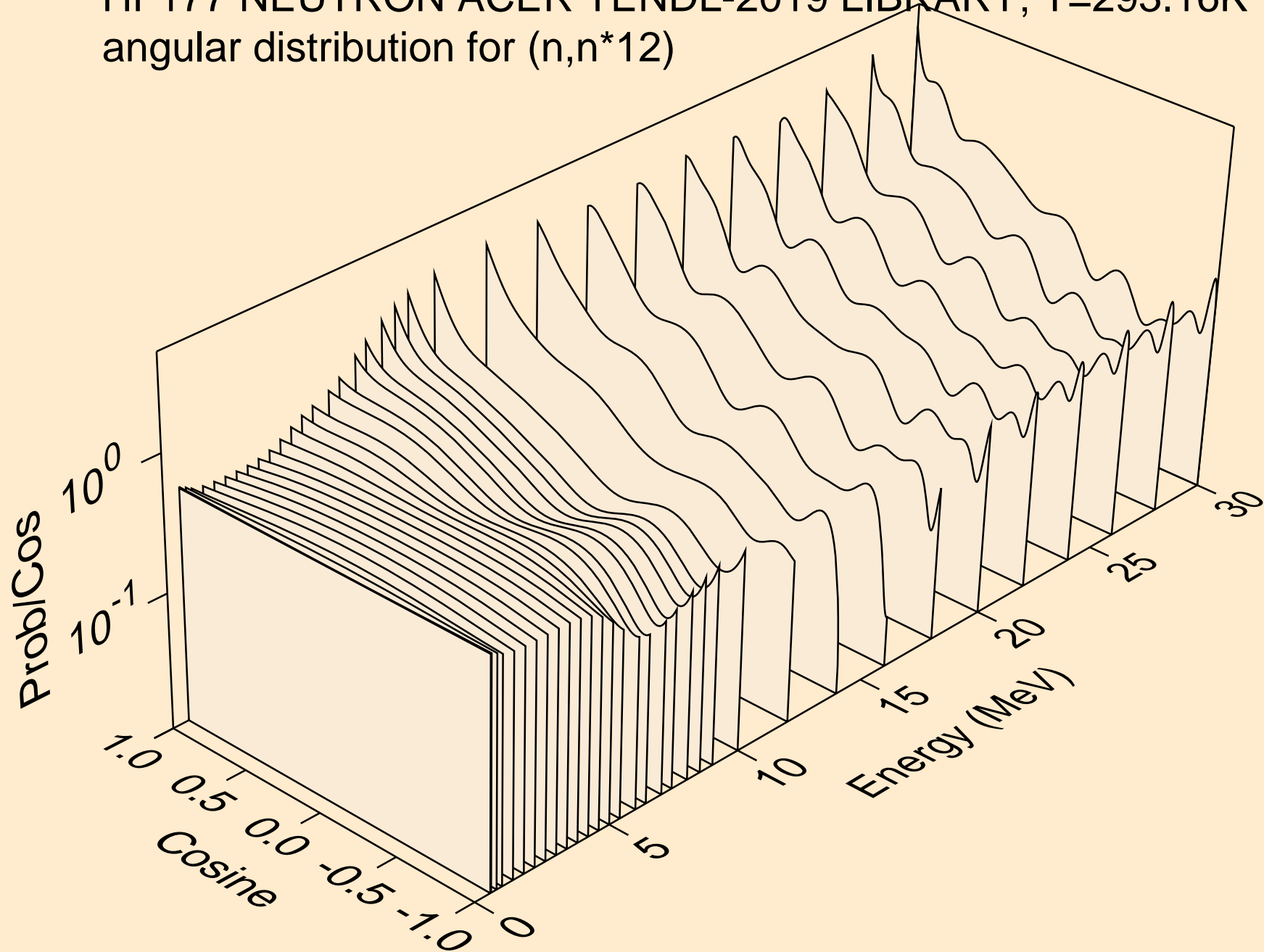
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angular distribution for (n,n*10)



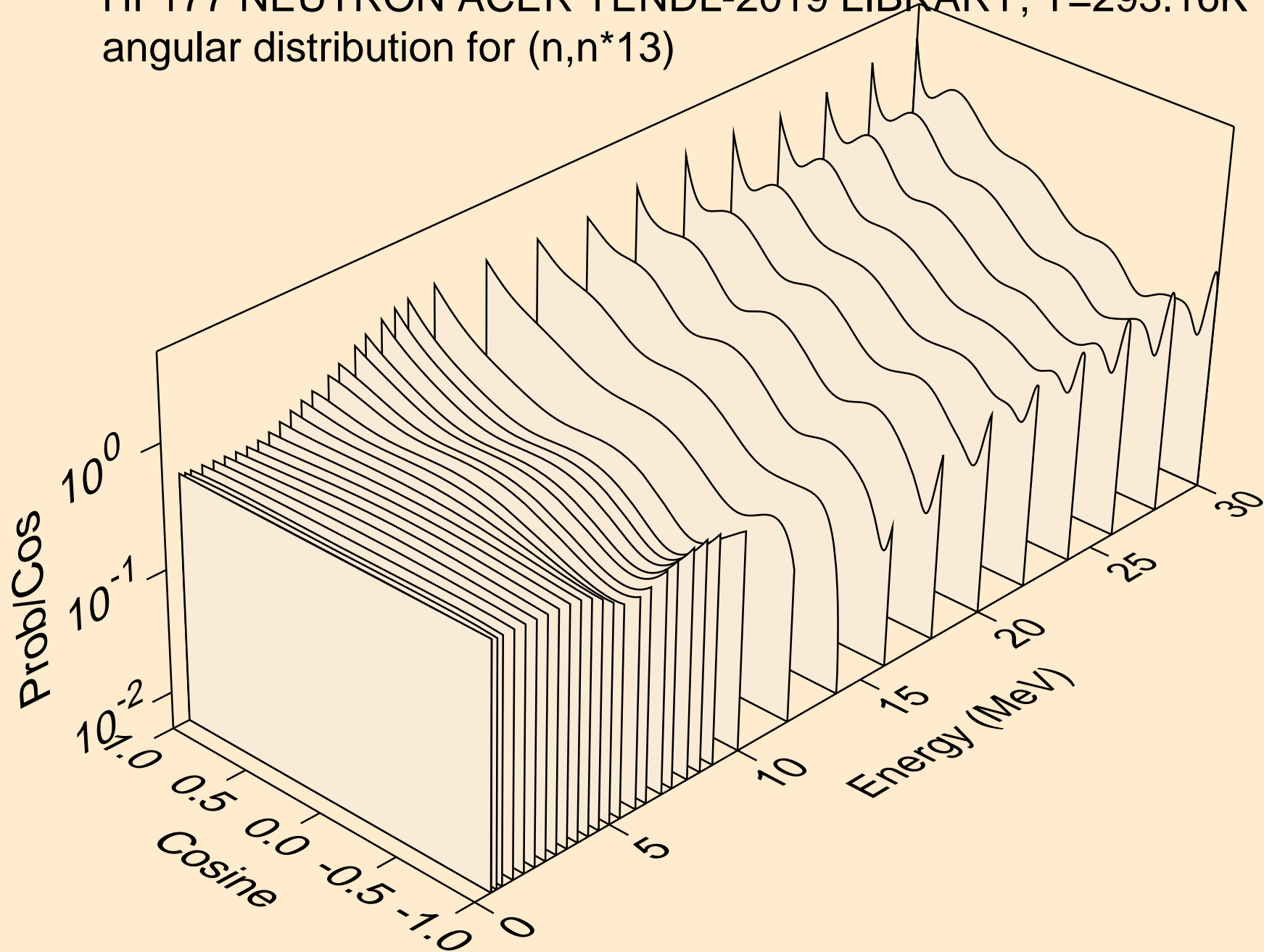
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angular distribution for (n,n*11)



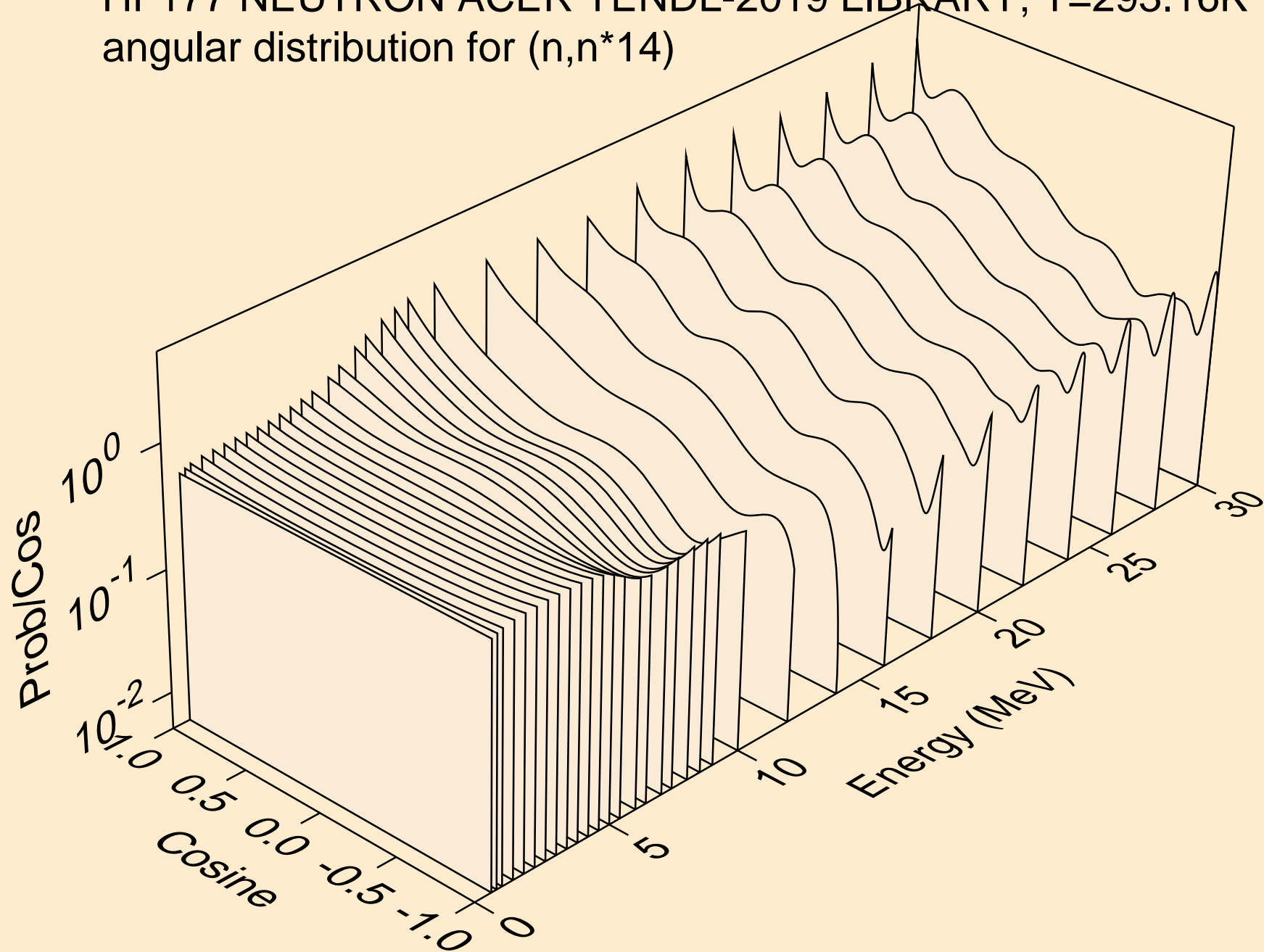
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angular distribution for (n,n*12)



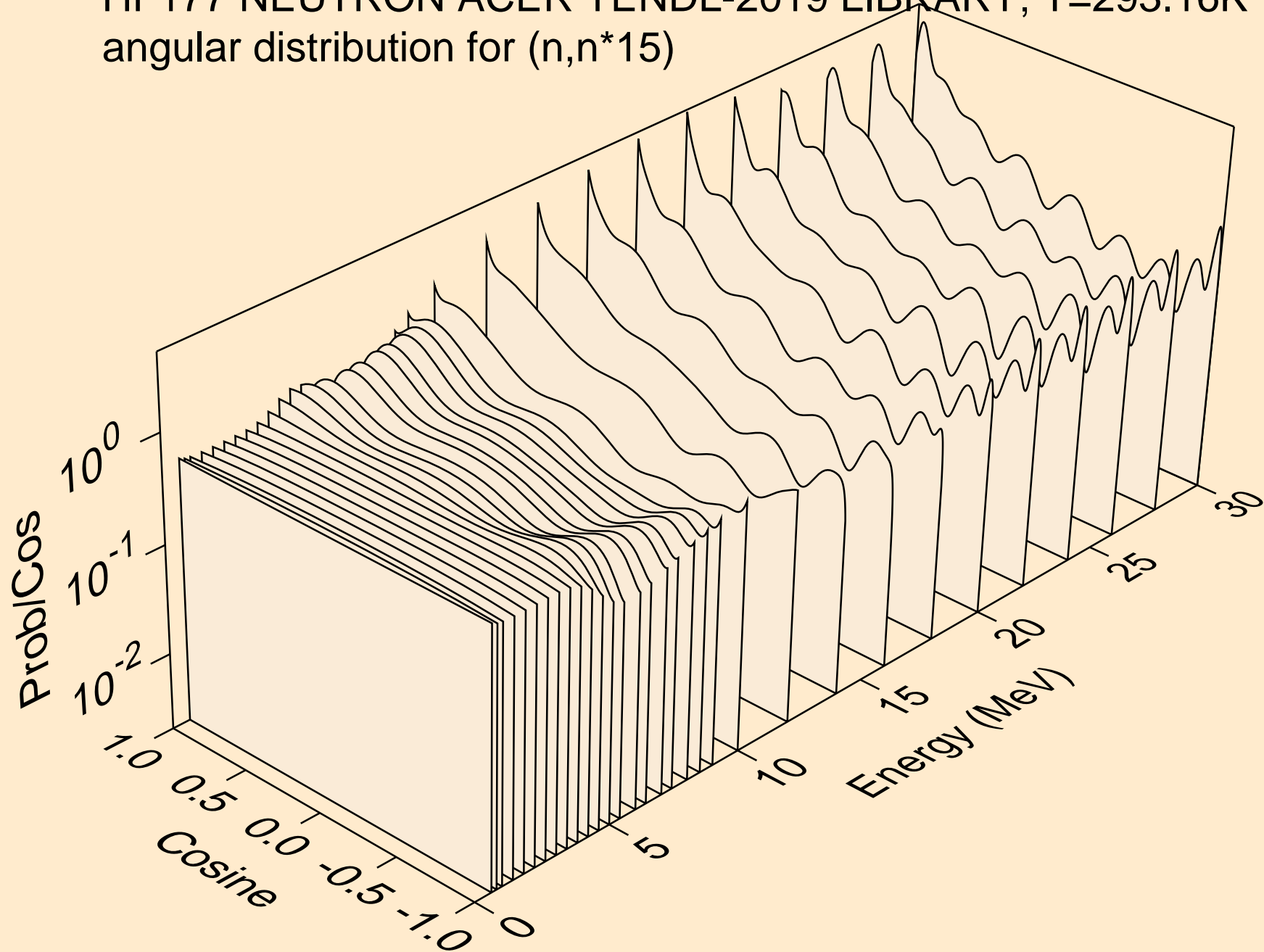
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angular distribution for (n,n*13)



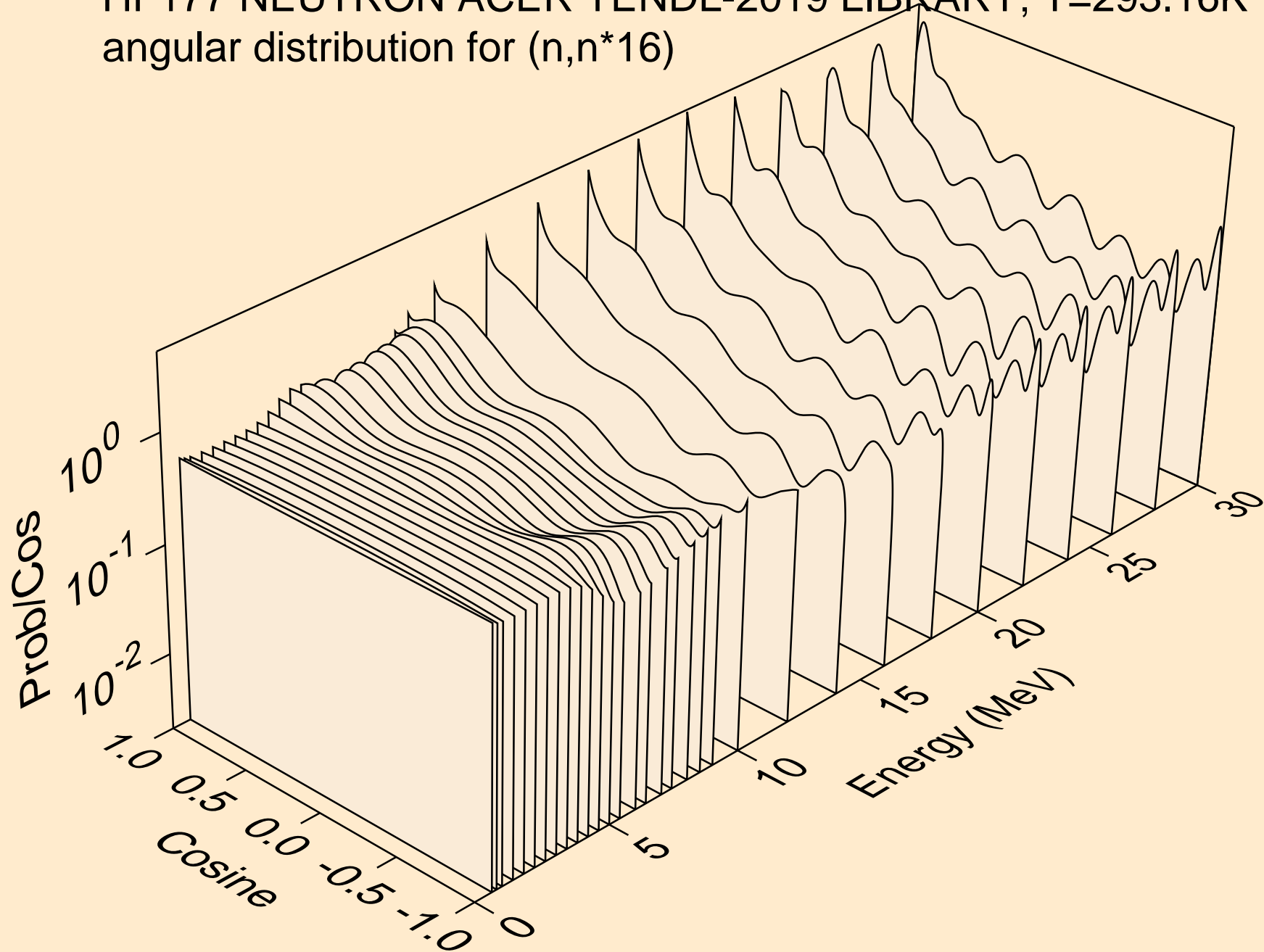
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angular distribution for (n,n*14)



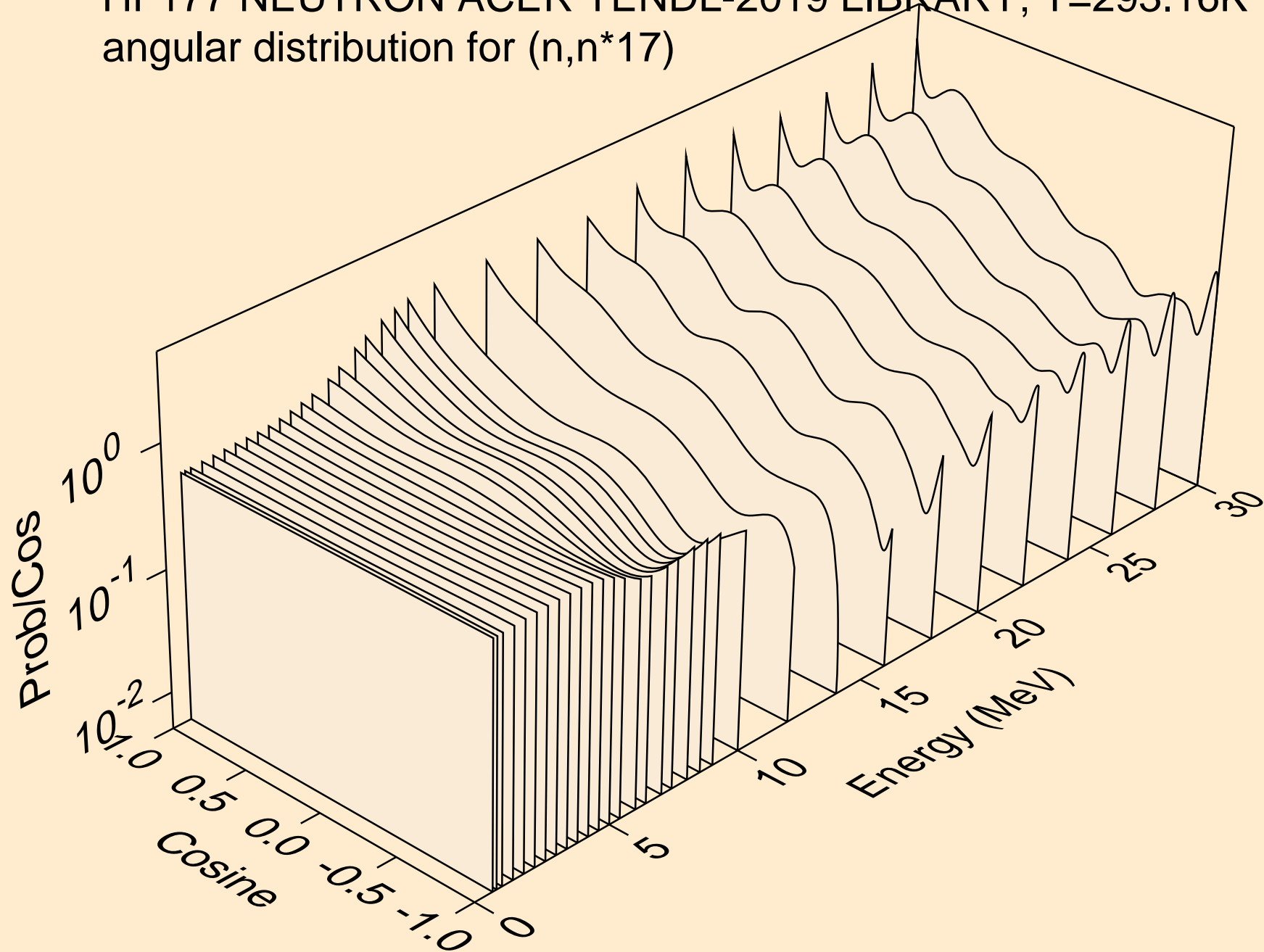
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angular distribution for (n,n*15)



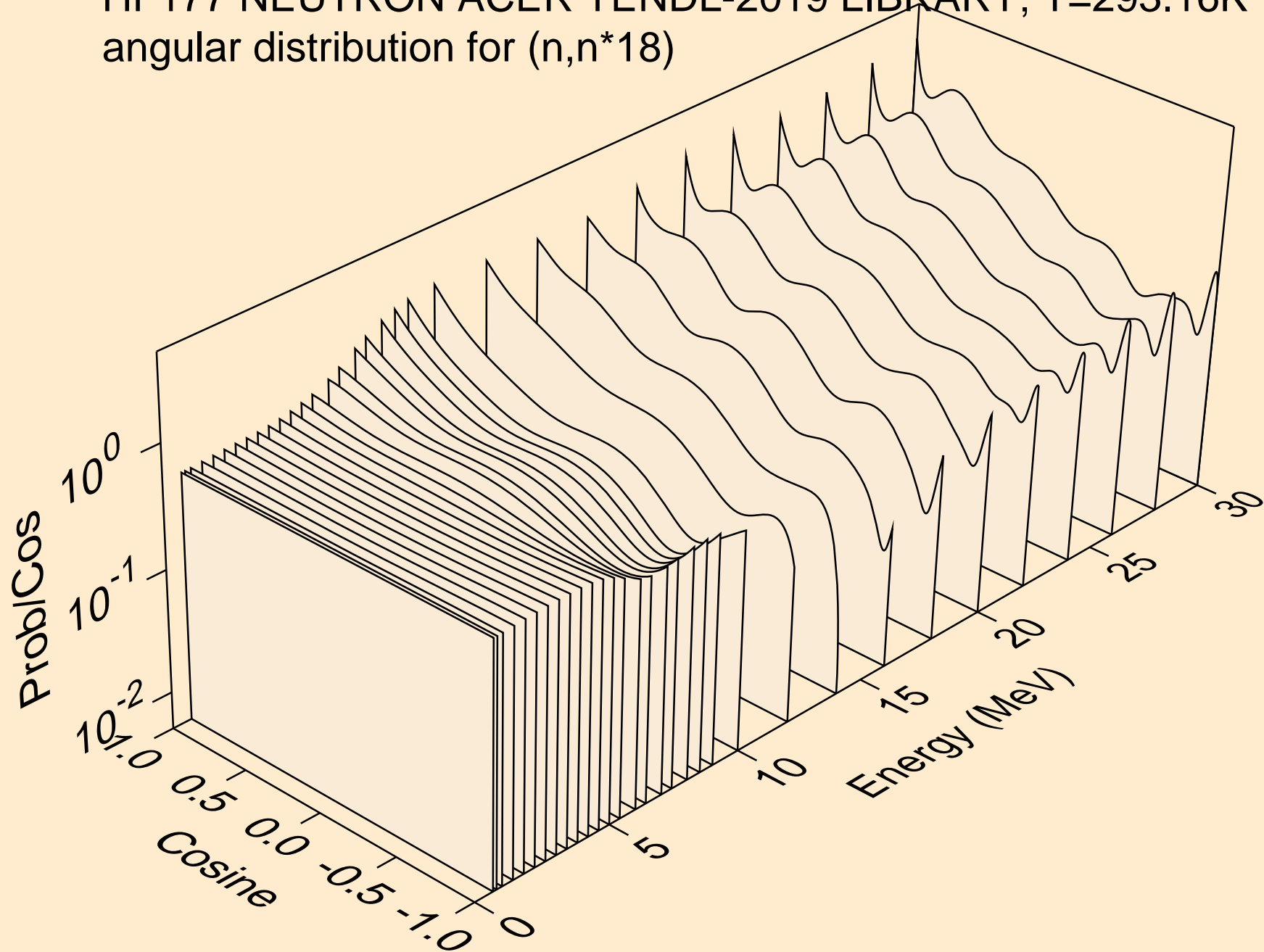
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angular distribution for (n,n*16)



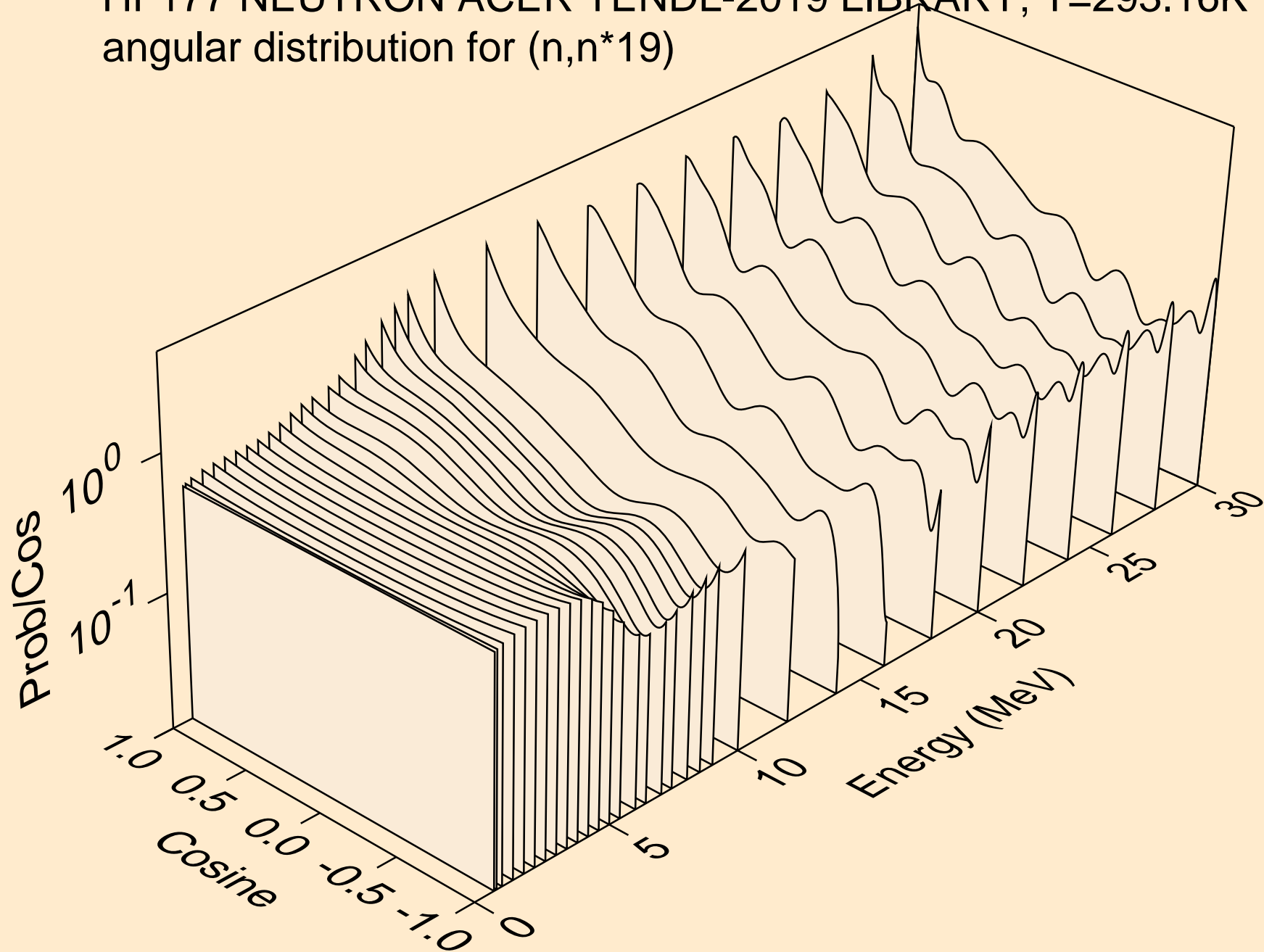
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angular distribution for (n,n*17)



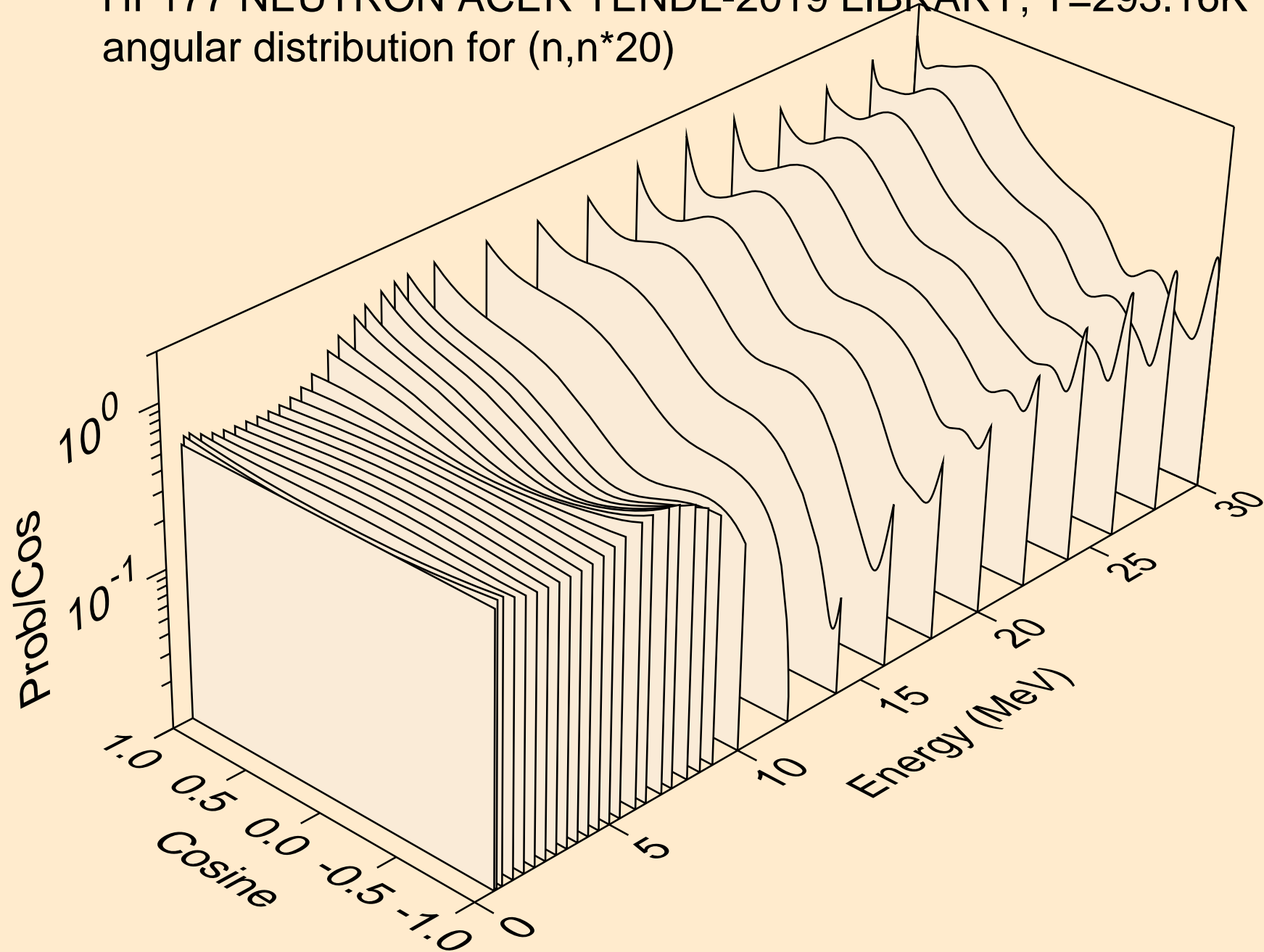
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angular distribution for (n,n*18)



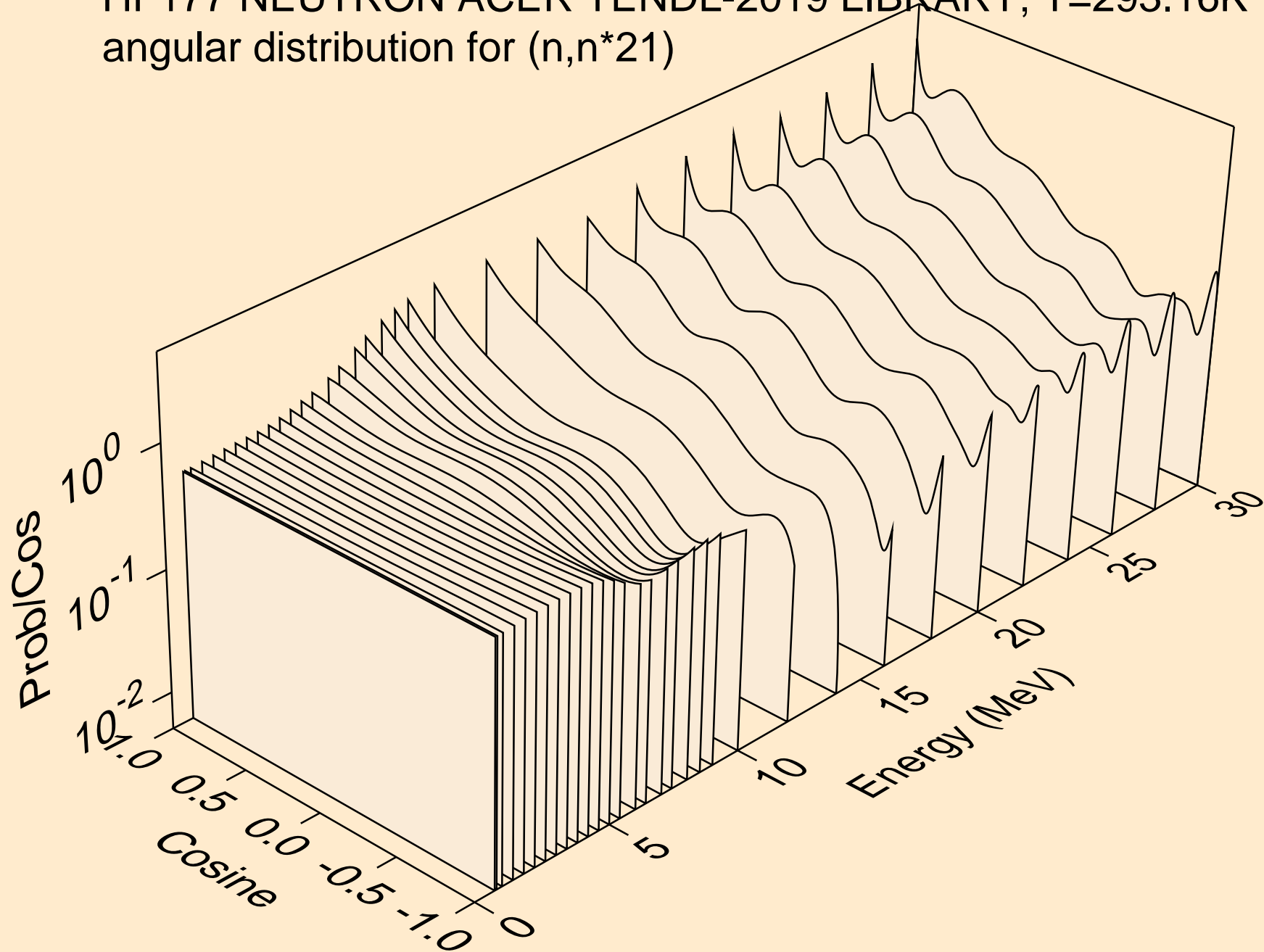
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angular distribution for (n,n*19)



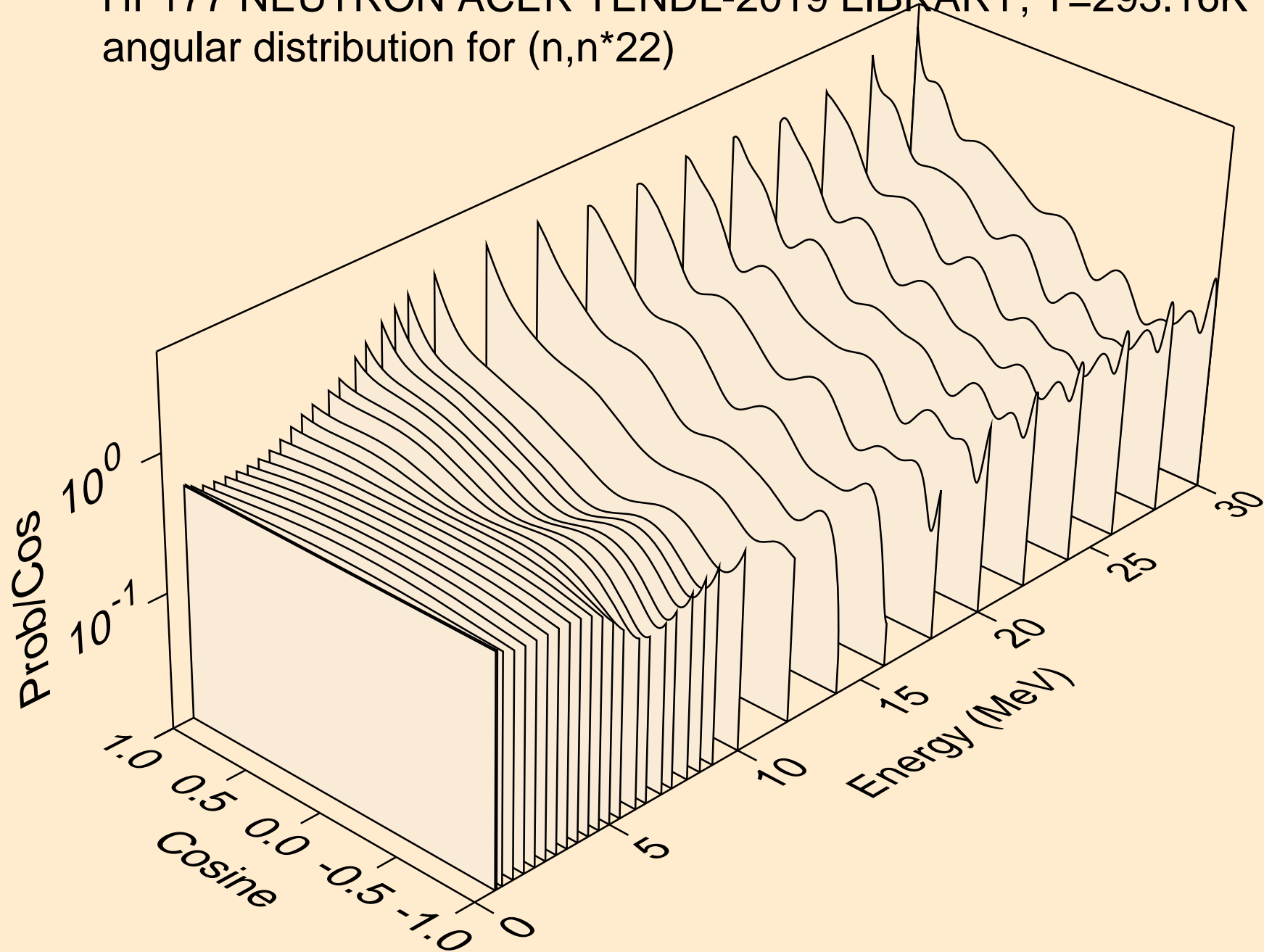
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angular distribution for (n,n*20)



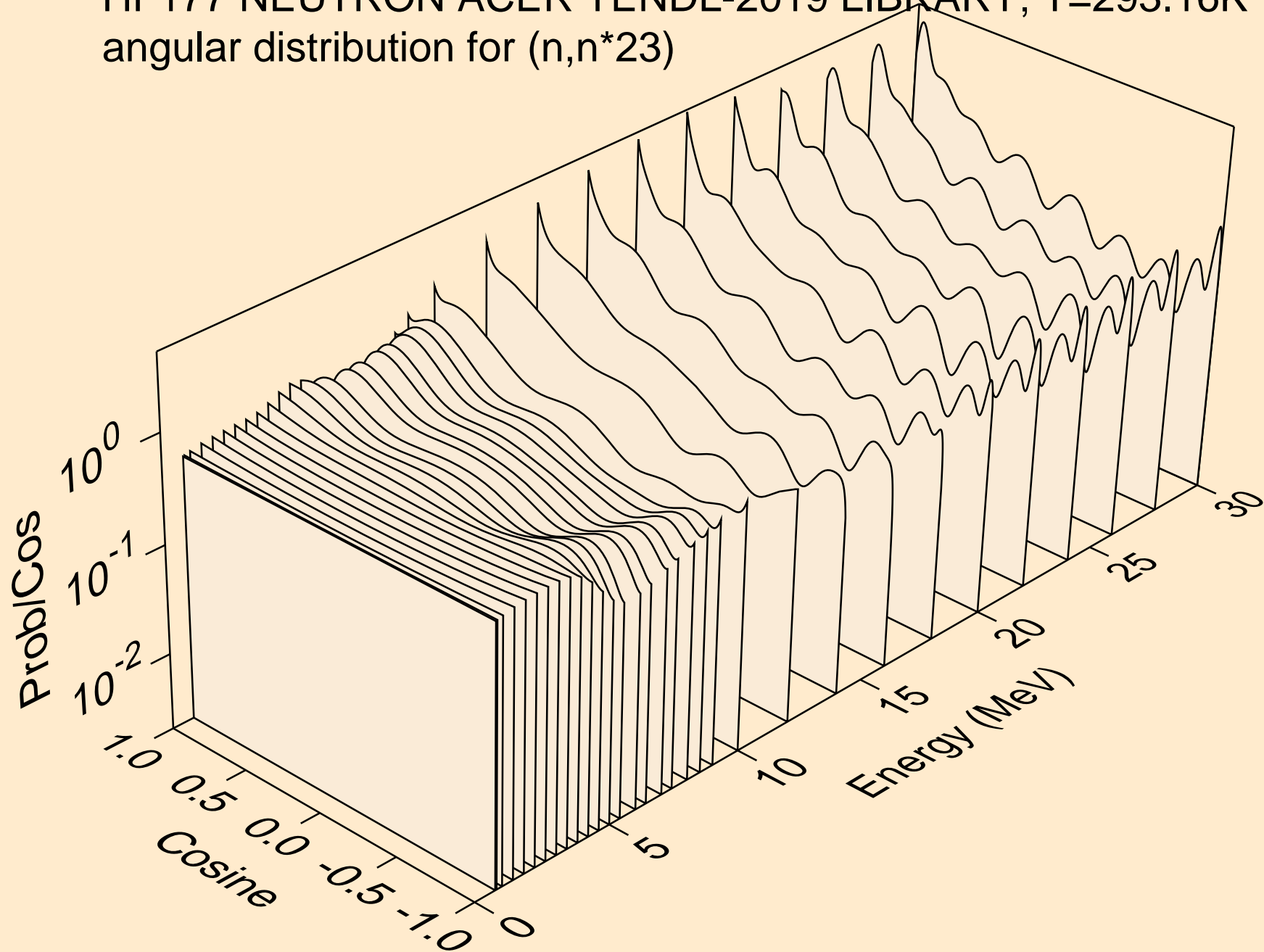
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angular distribution for (n,n*21)



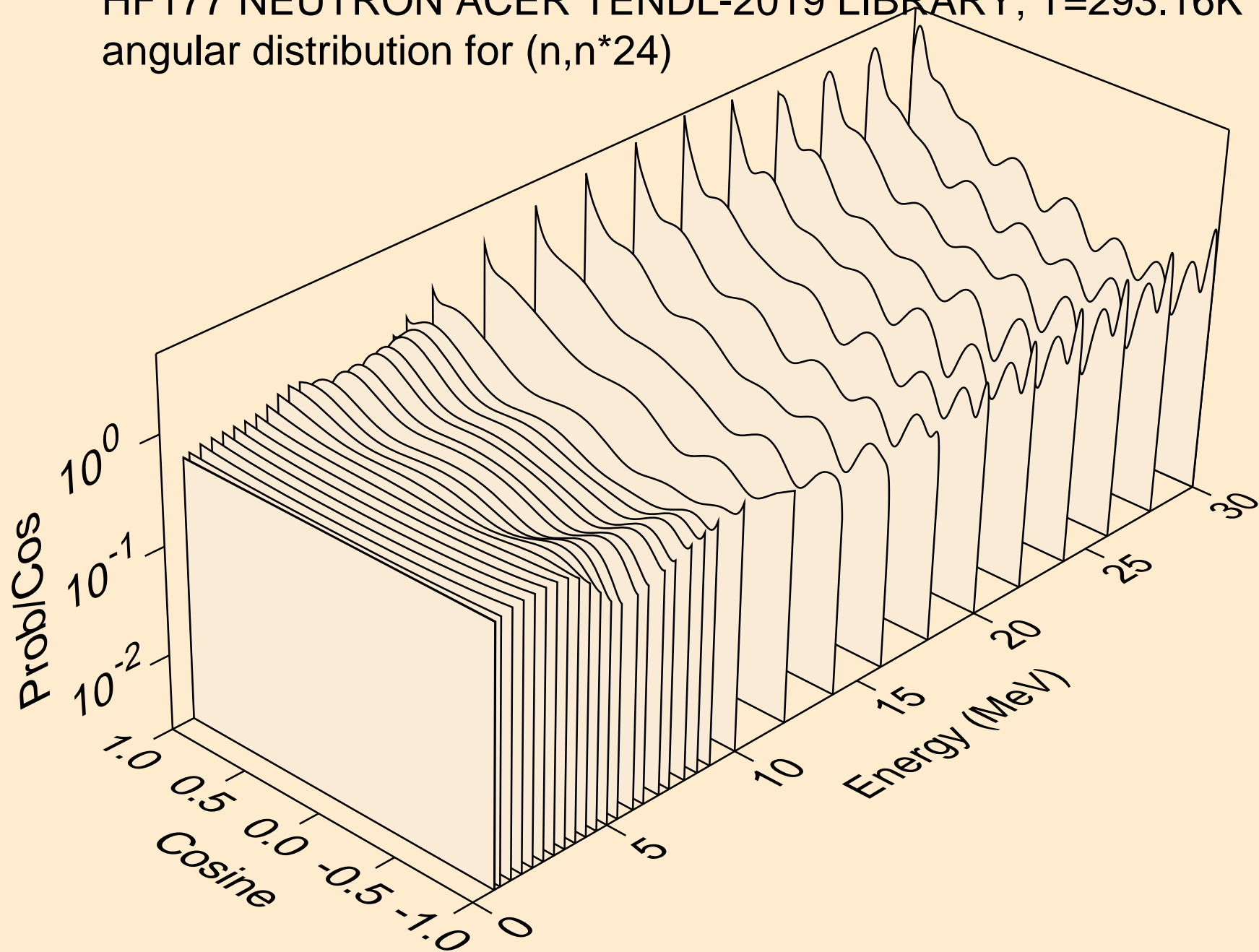
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angular distribution for (n,n*22)



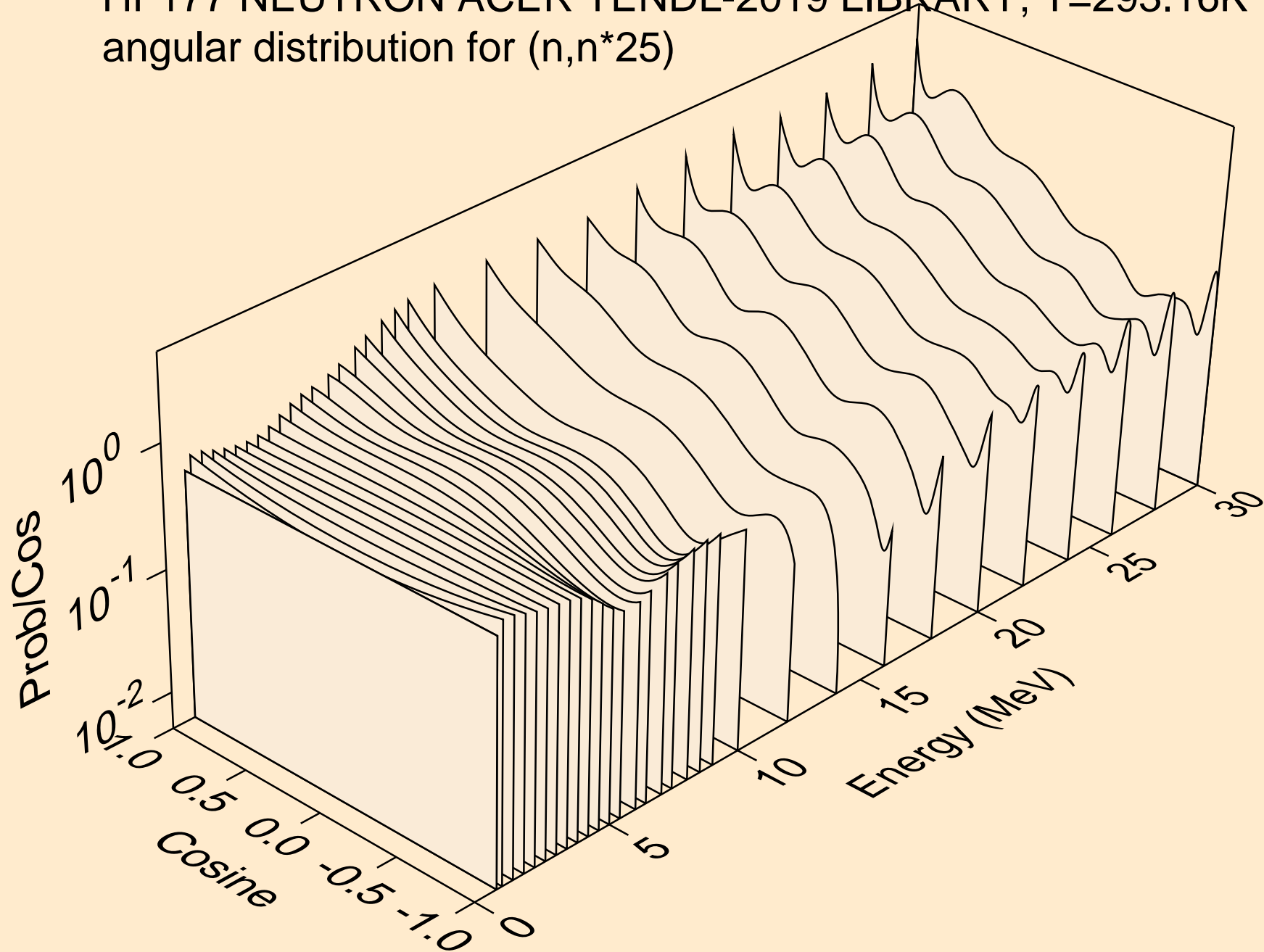
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angular distribution for (n,n*23)



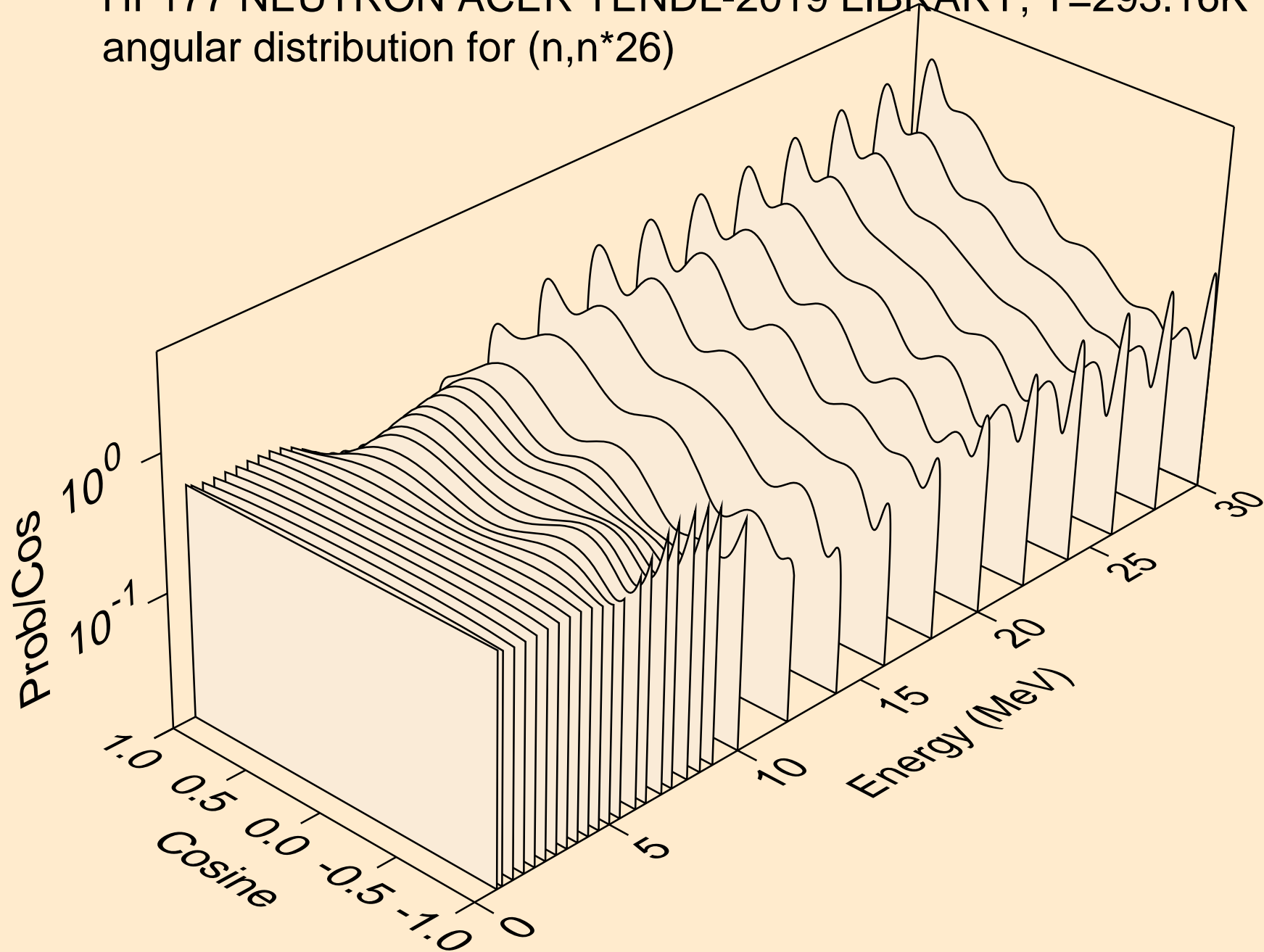
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angular distribution for (n,n*24)



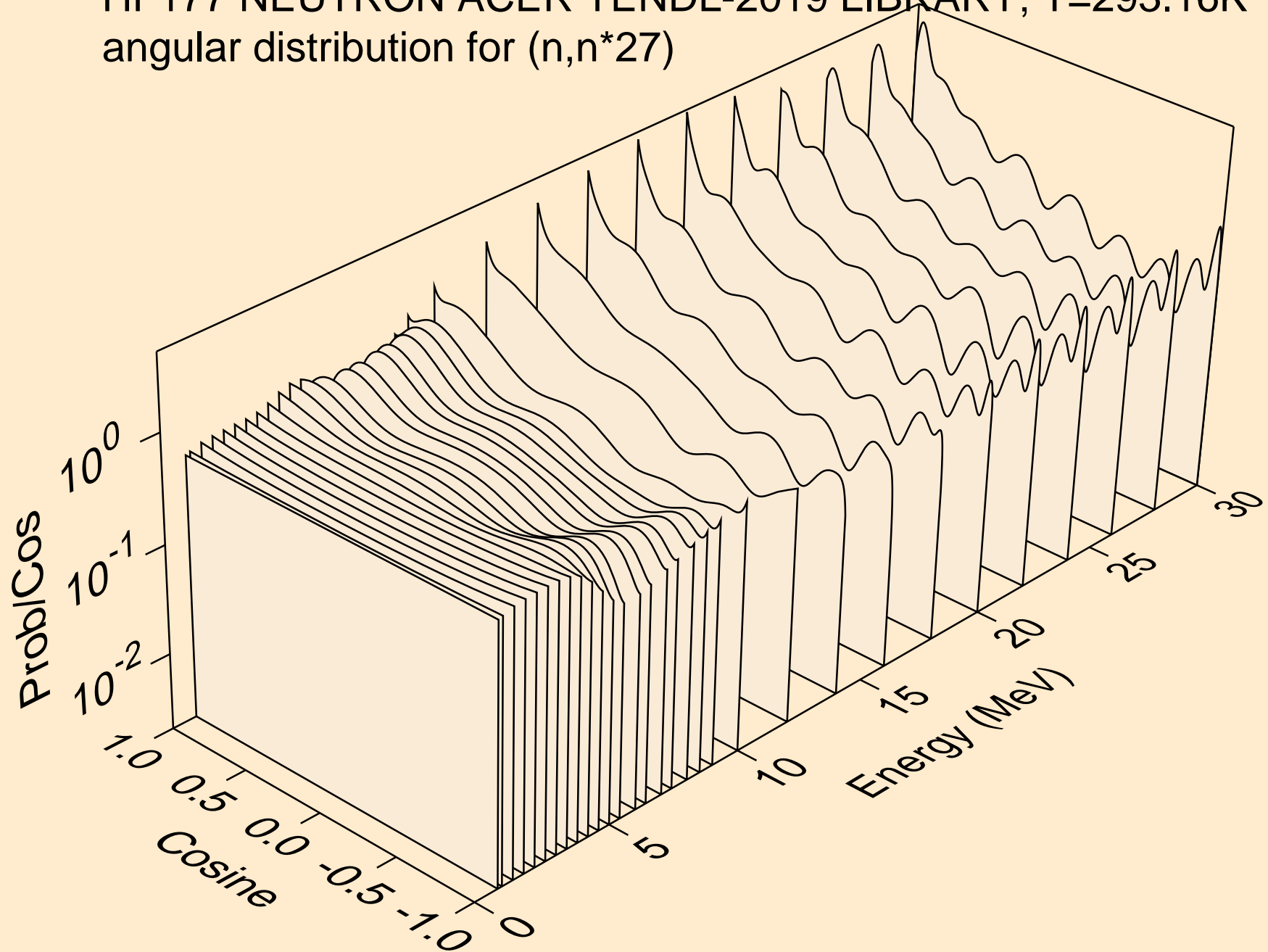
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angular distribution for (n,n*25)



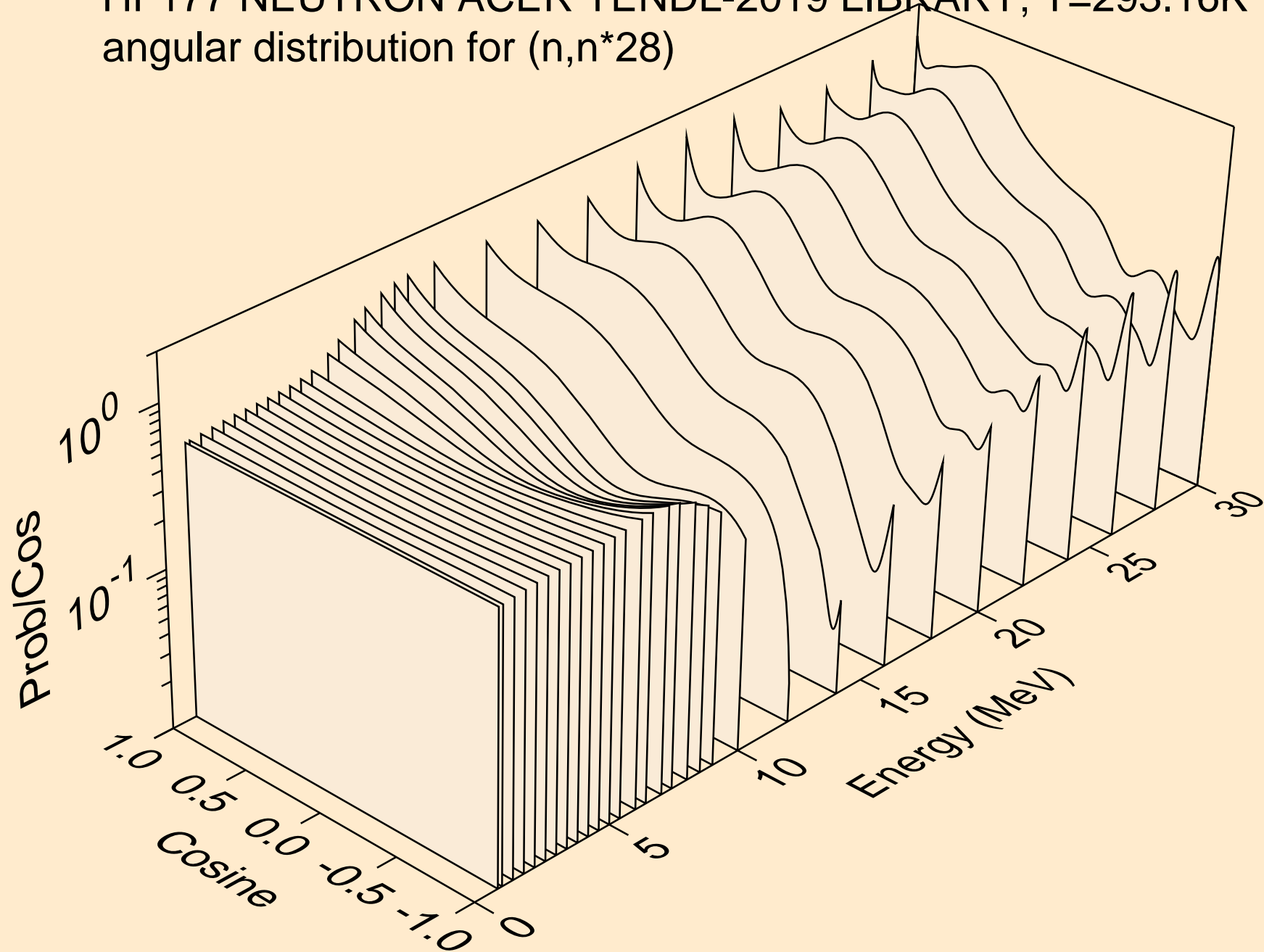
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angular distribution for (n,n*26)



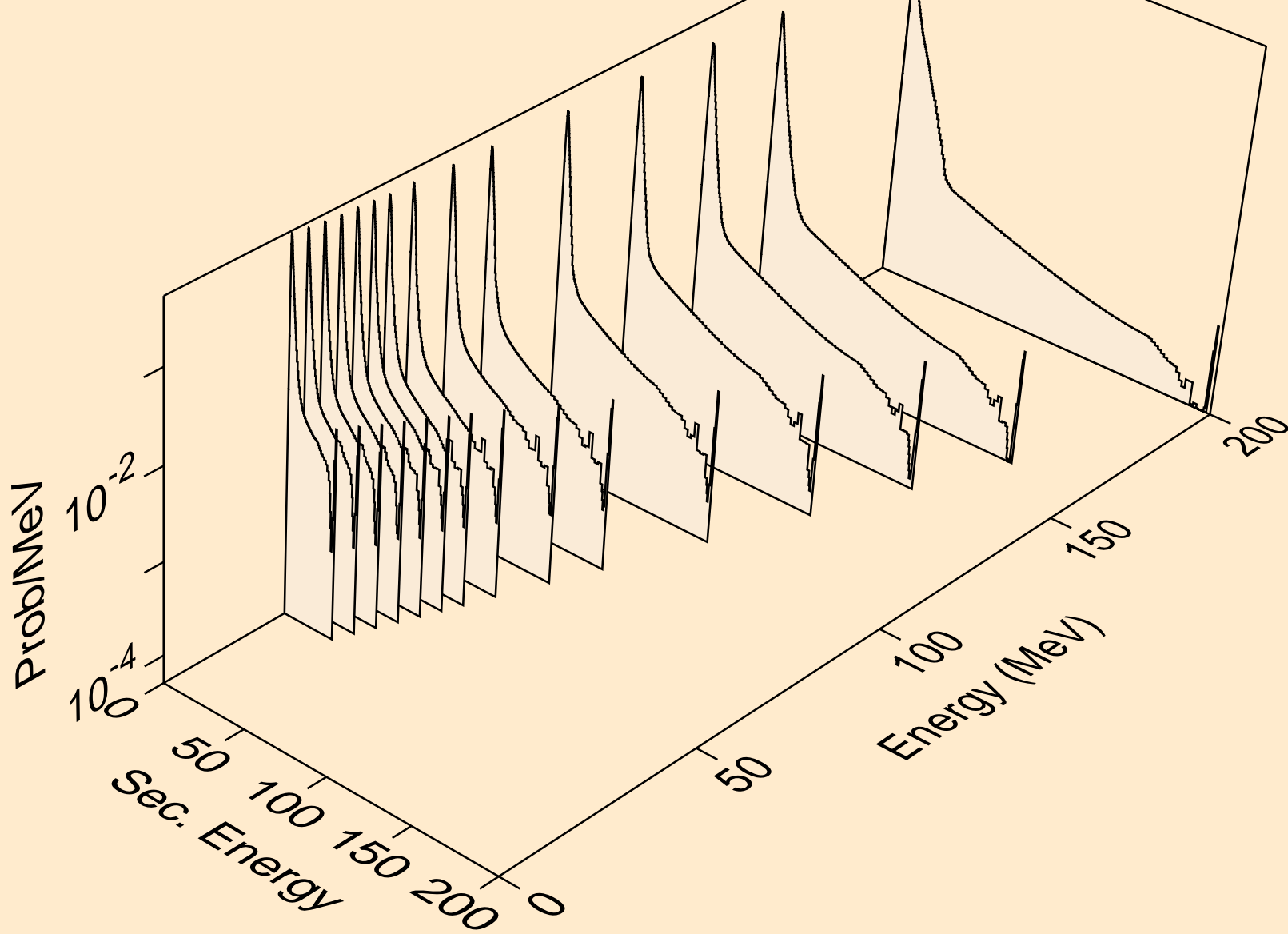
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



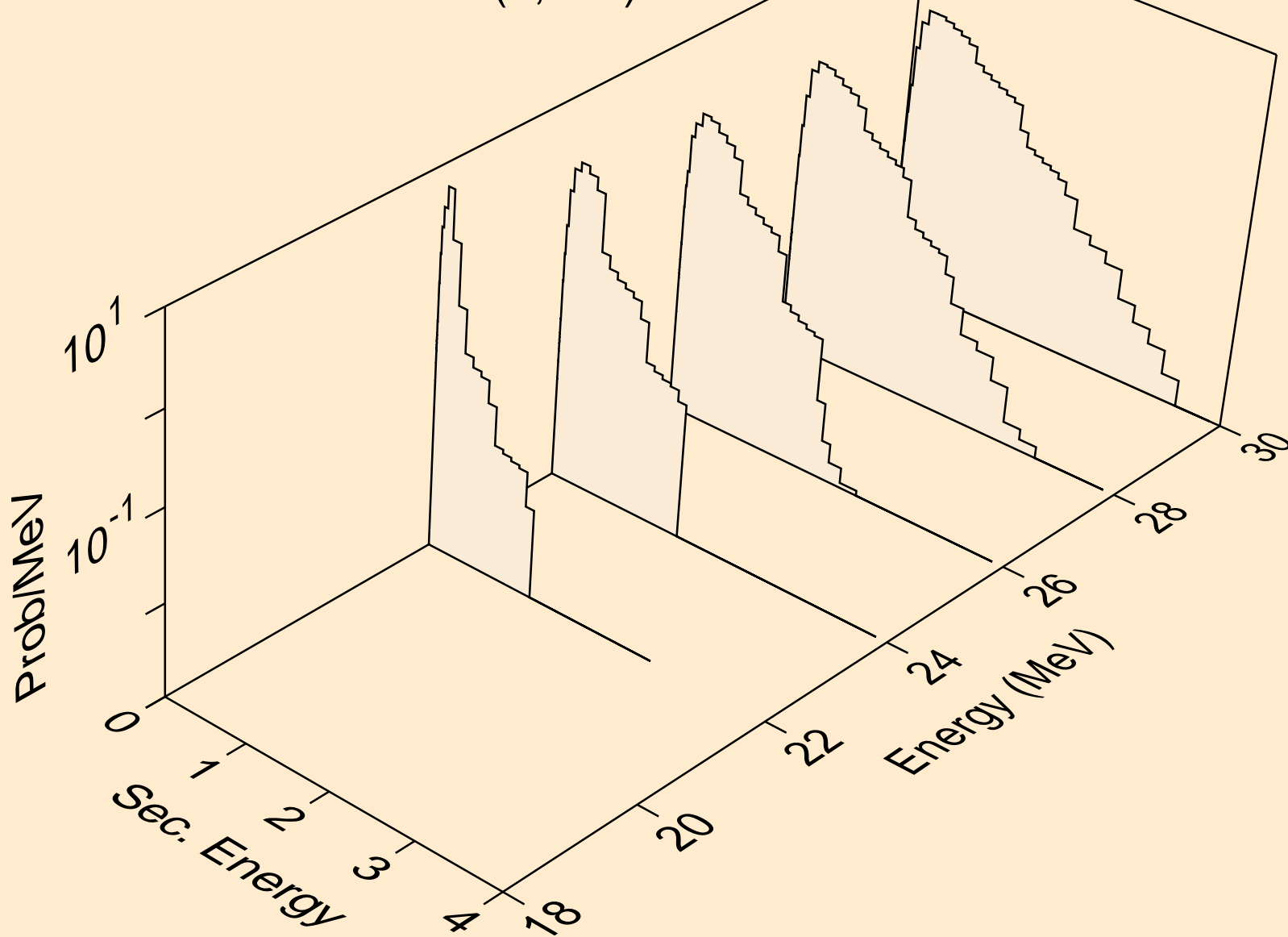
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



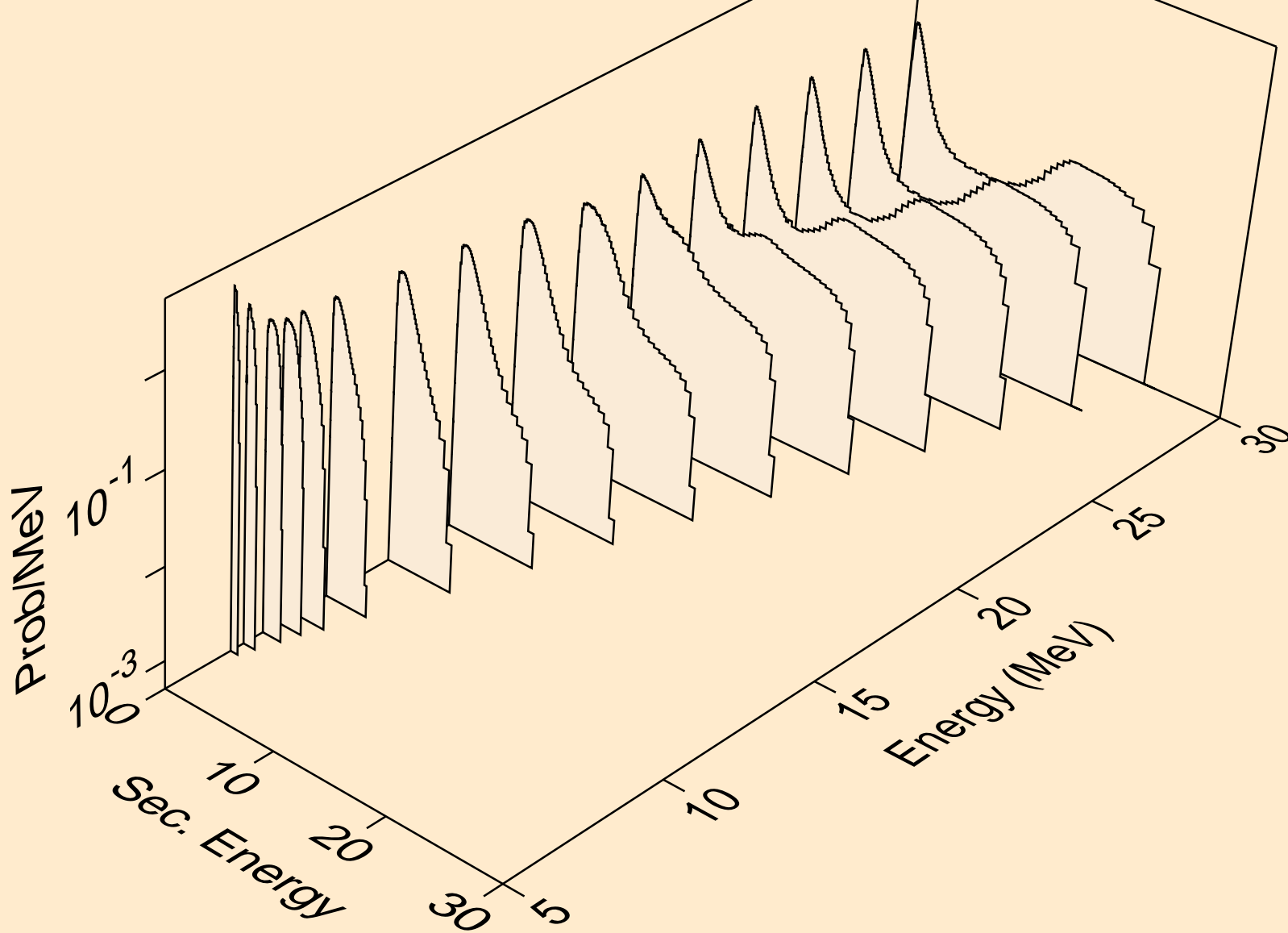
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



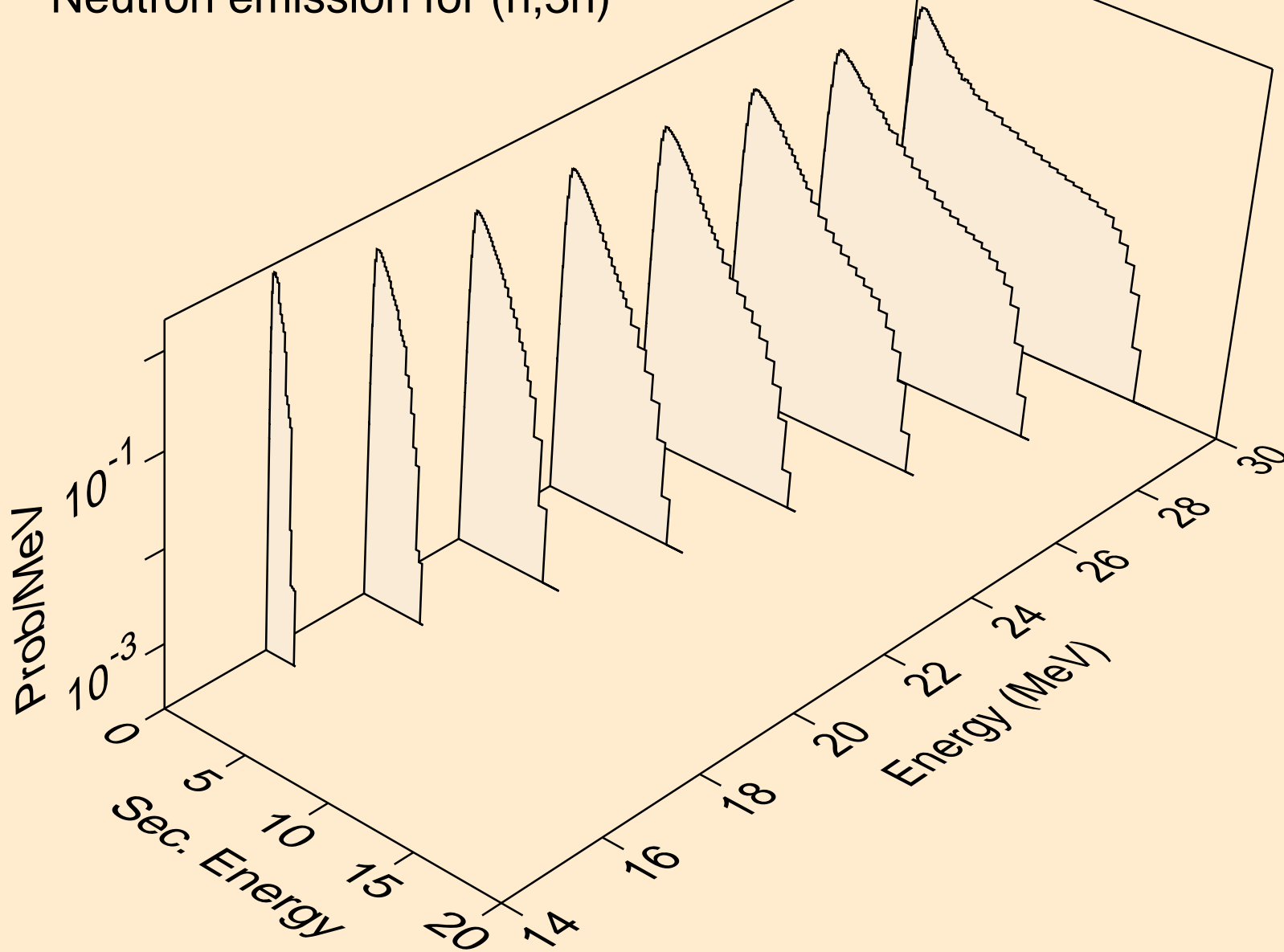
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



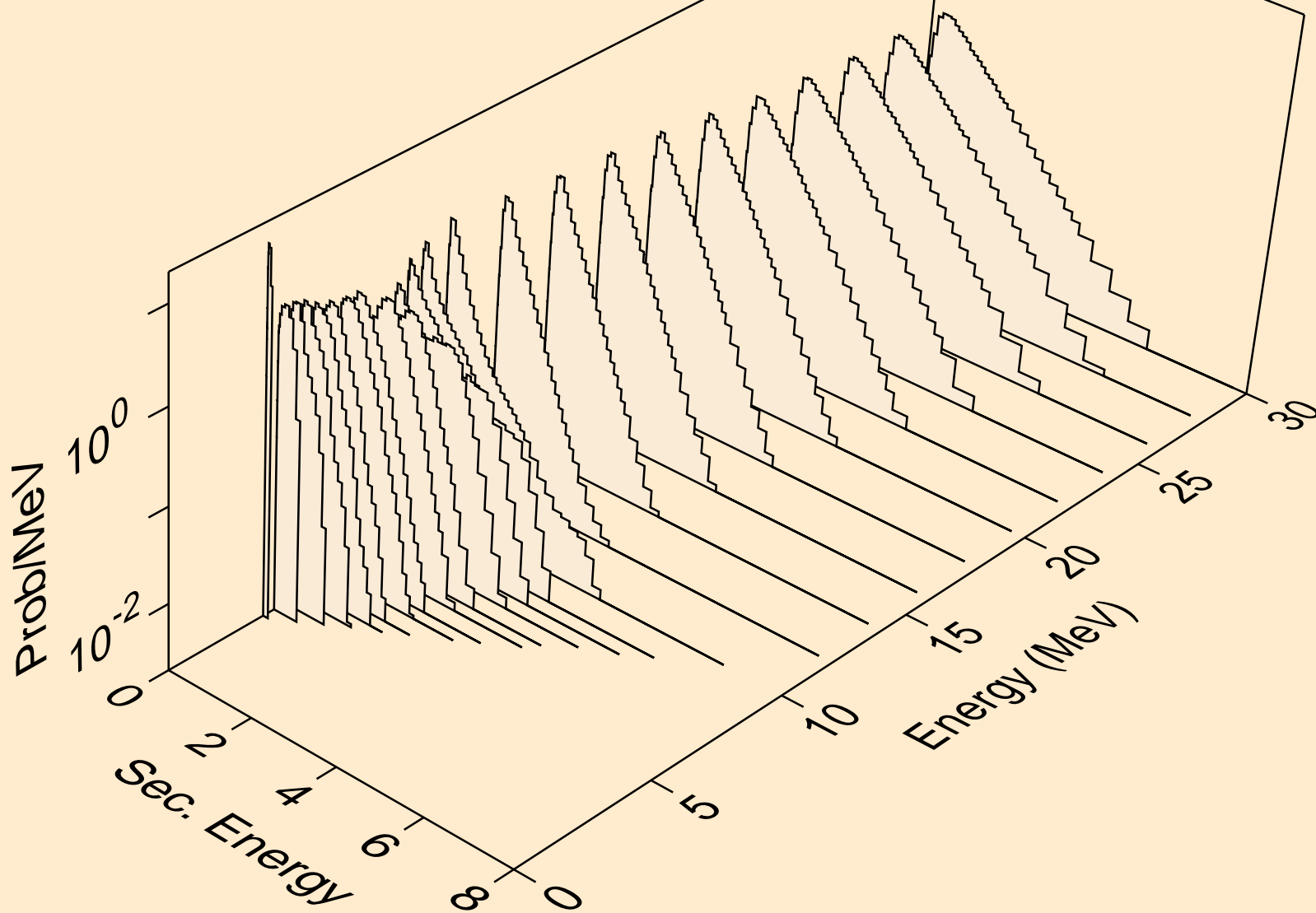
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



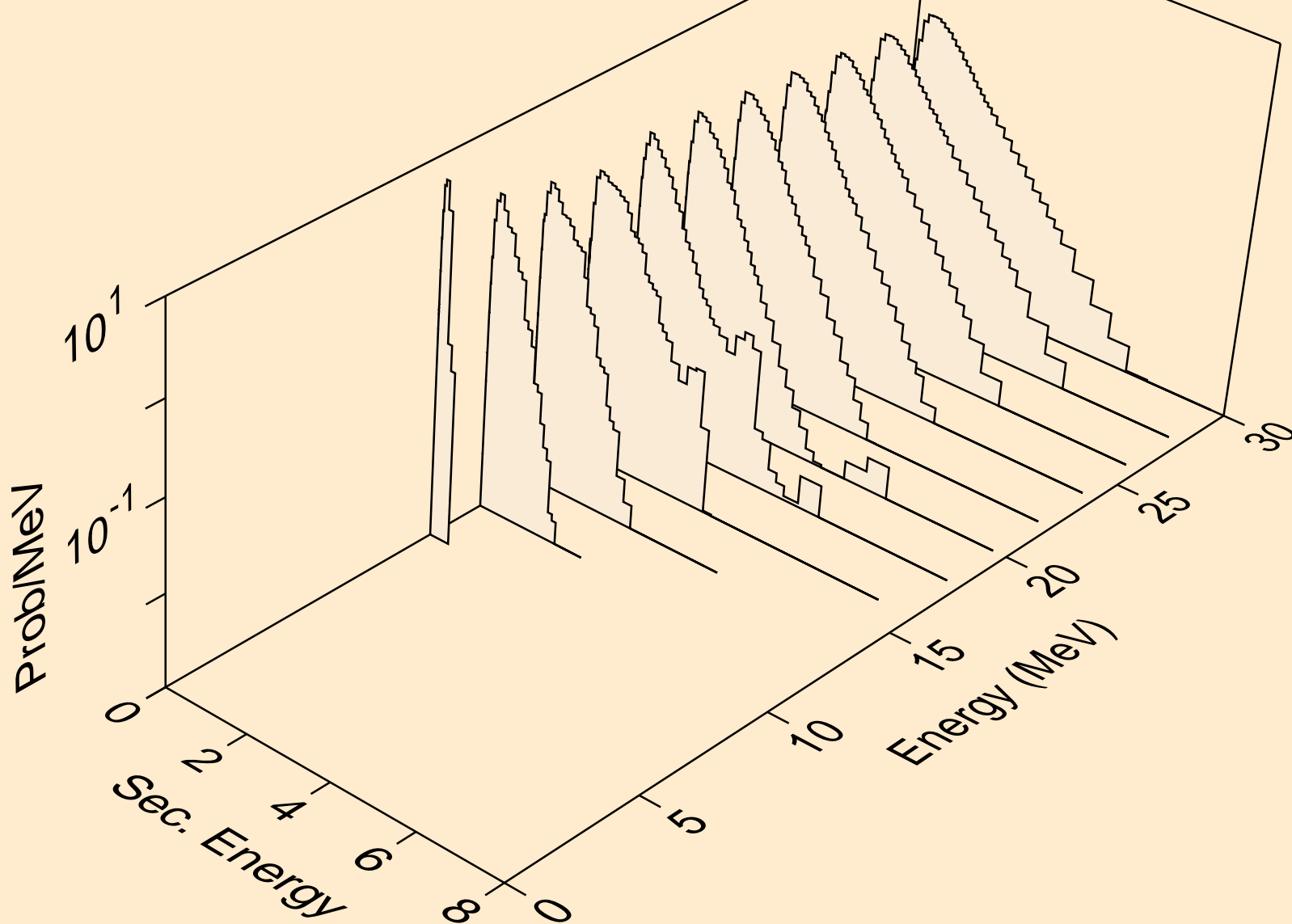
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



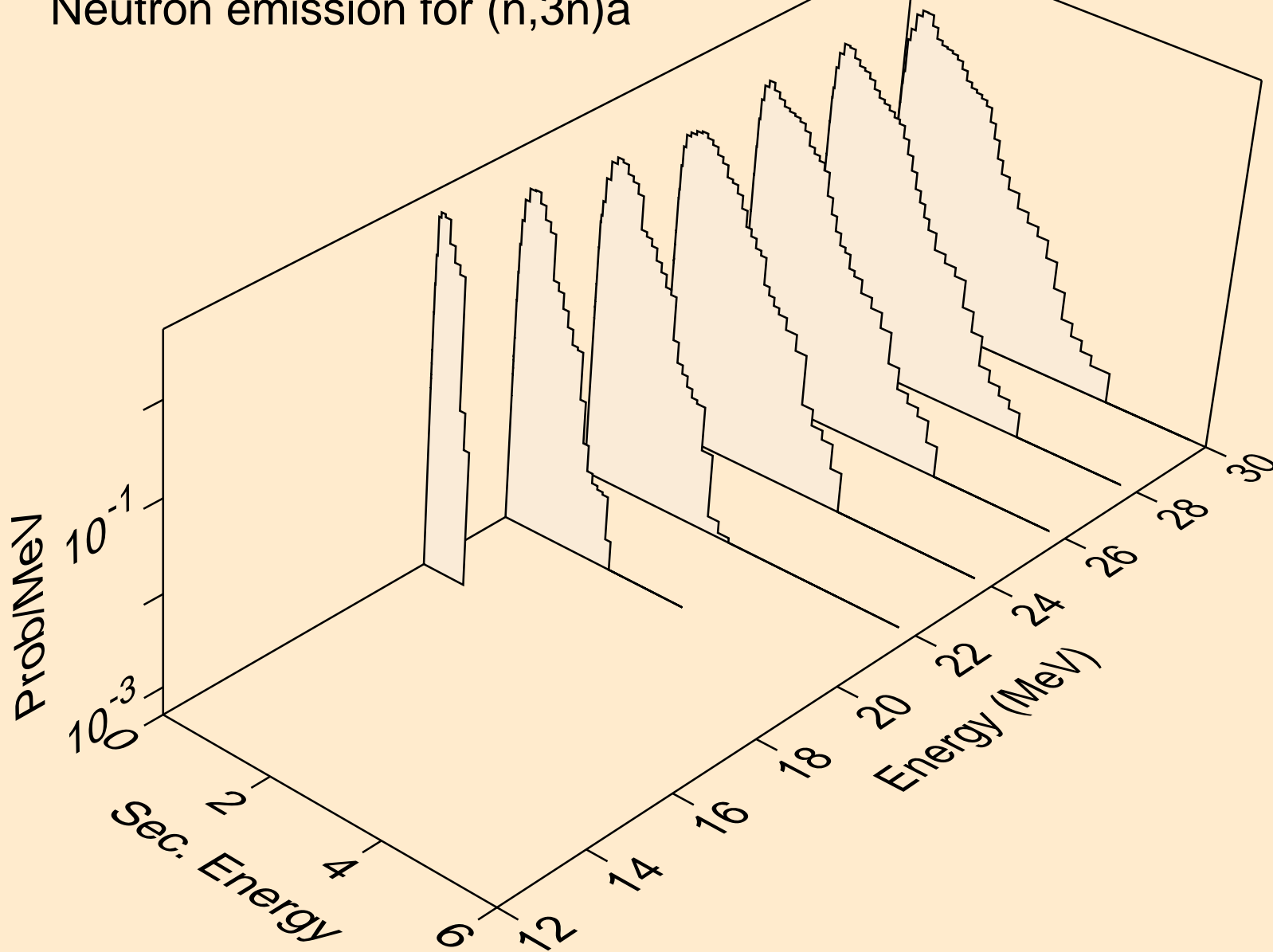
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



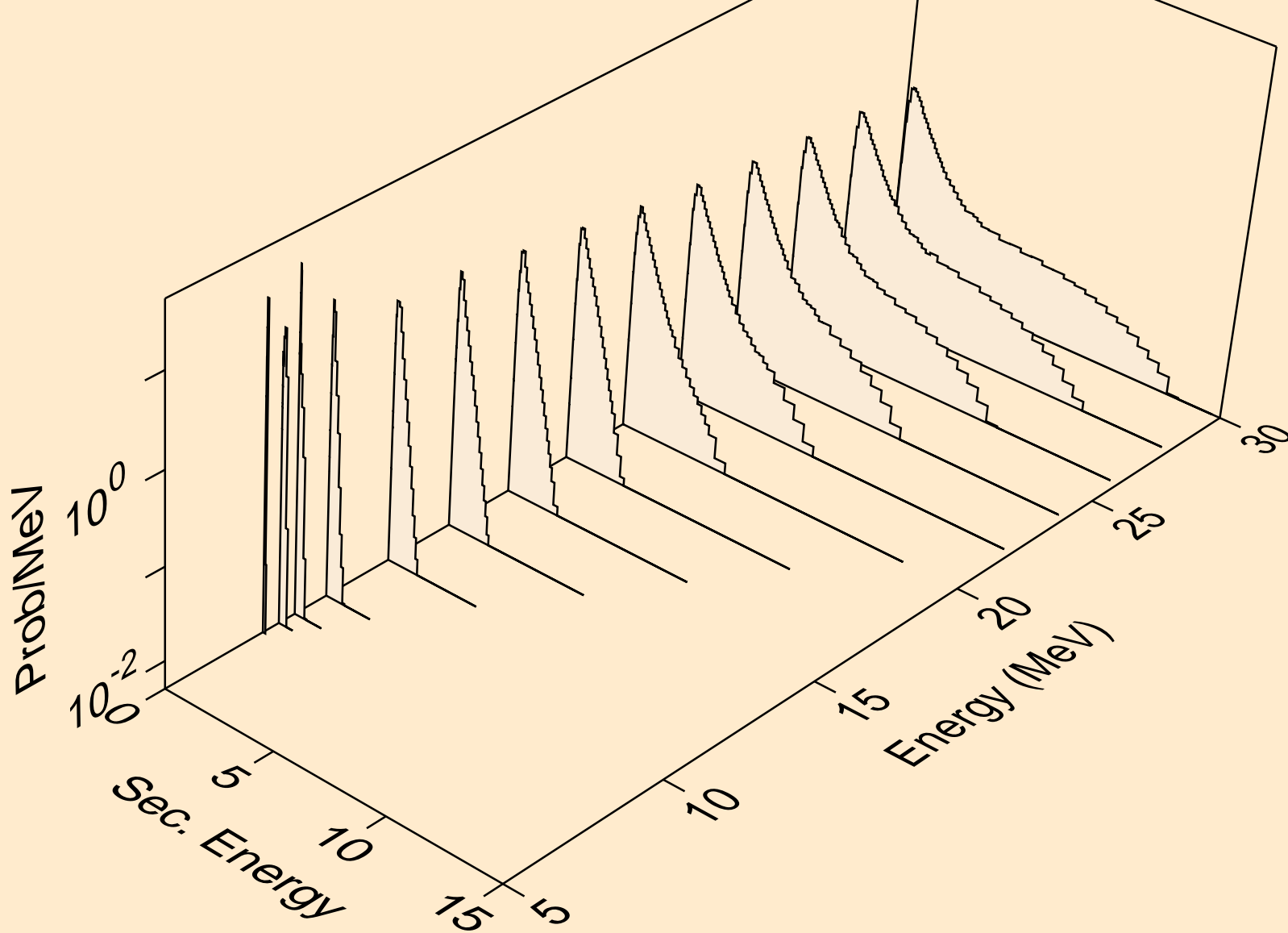
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



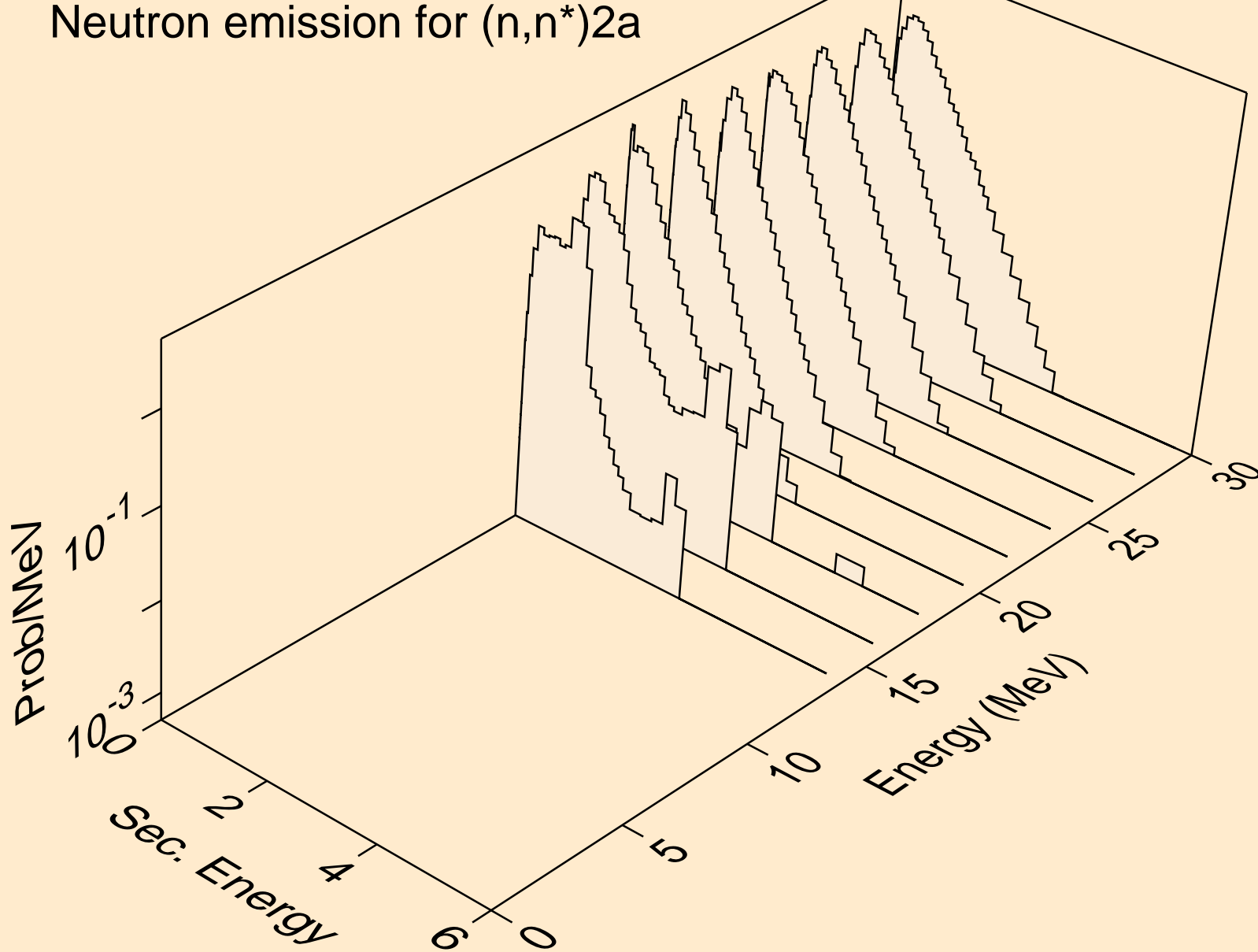
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



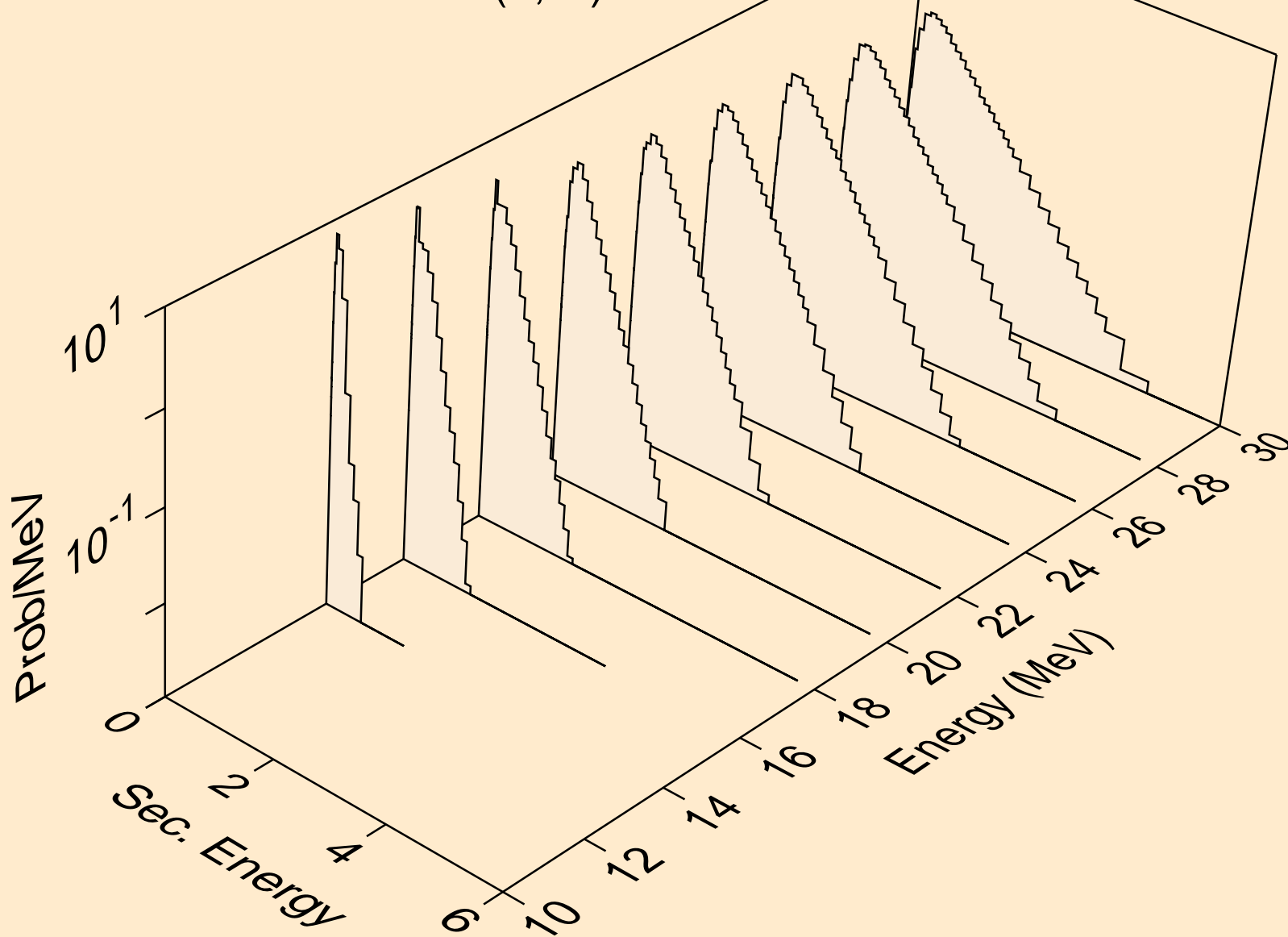
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



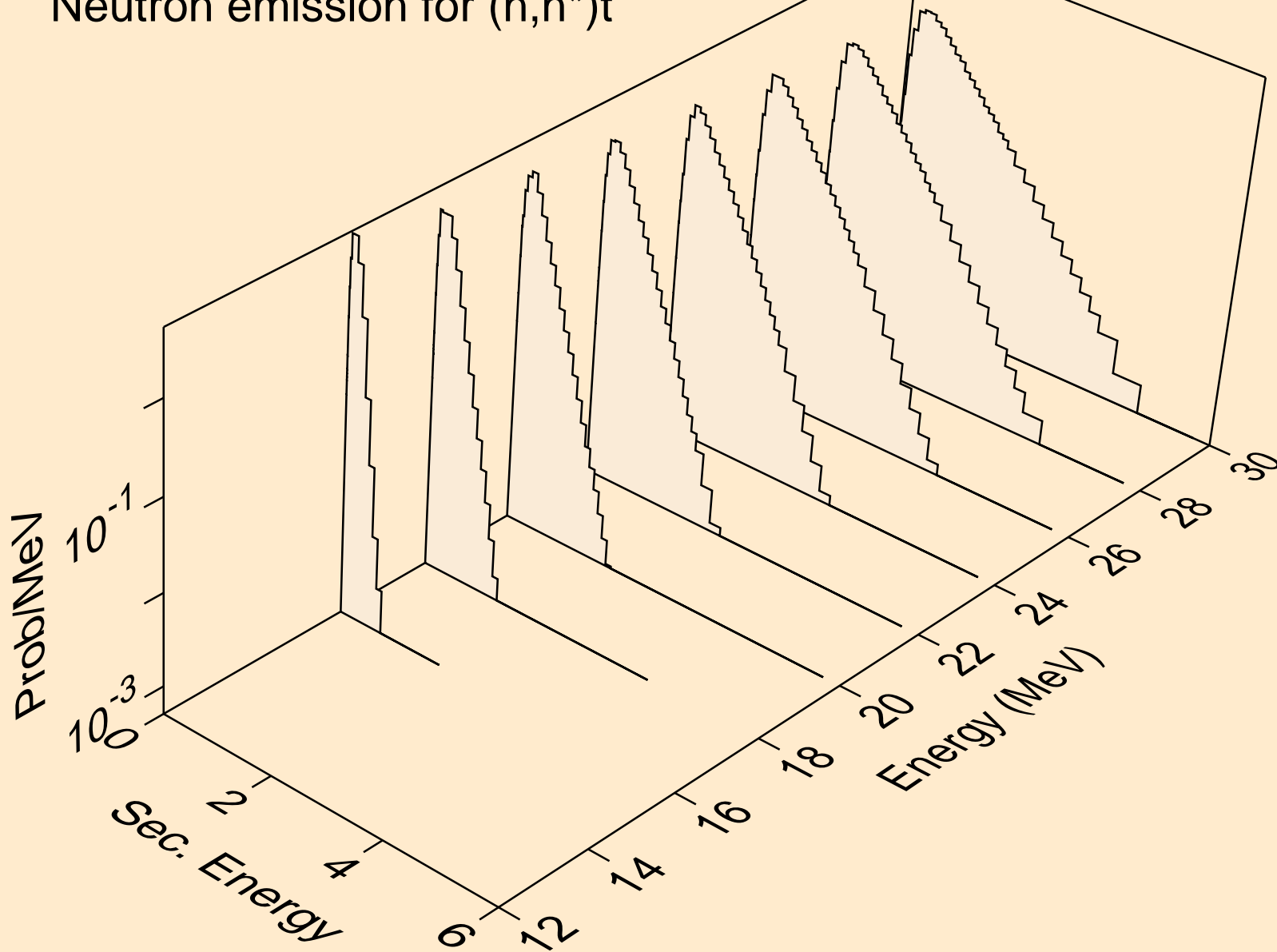
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



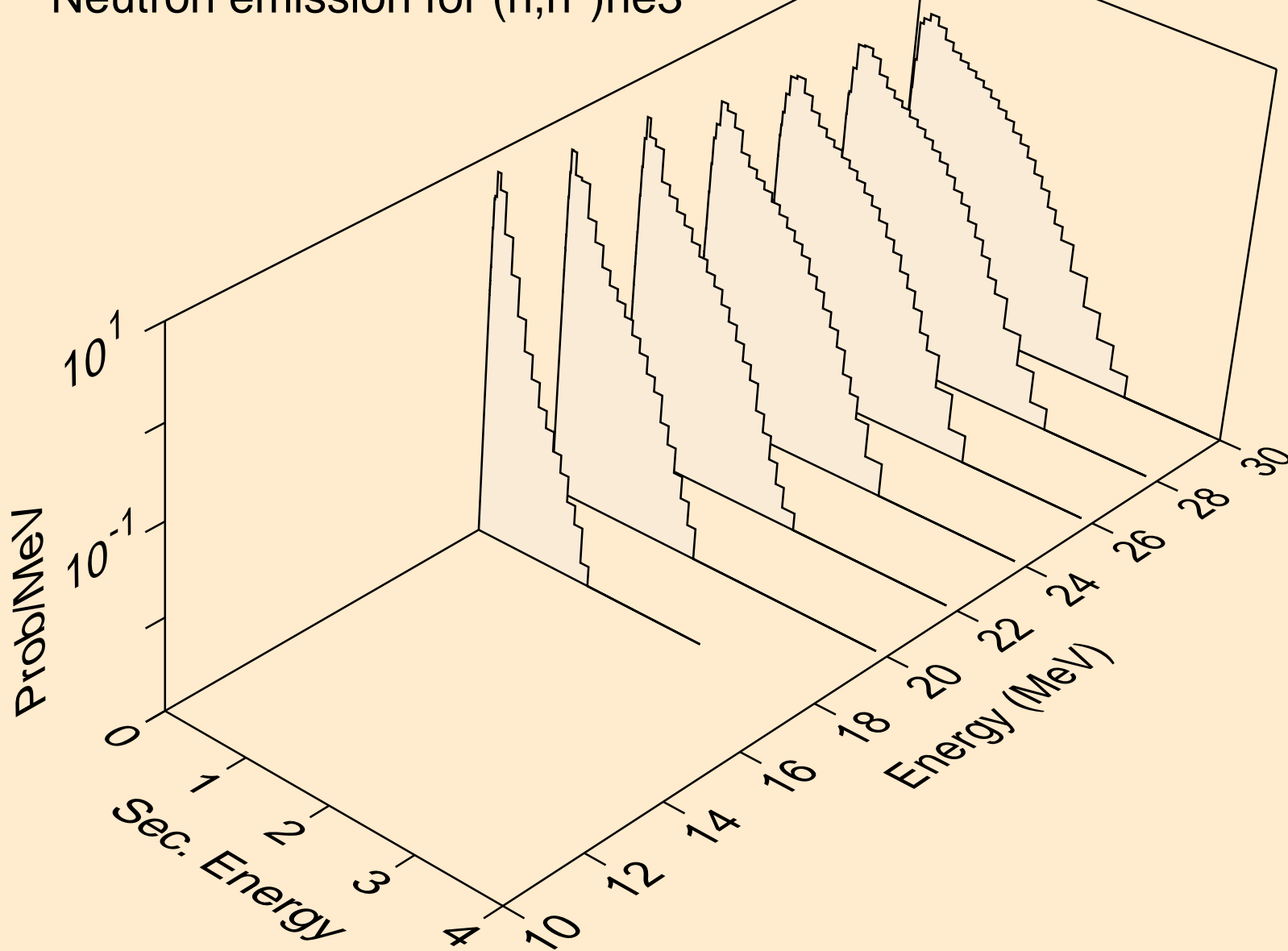
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



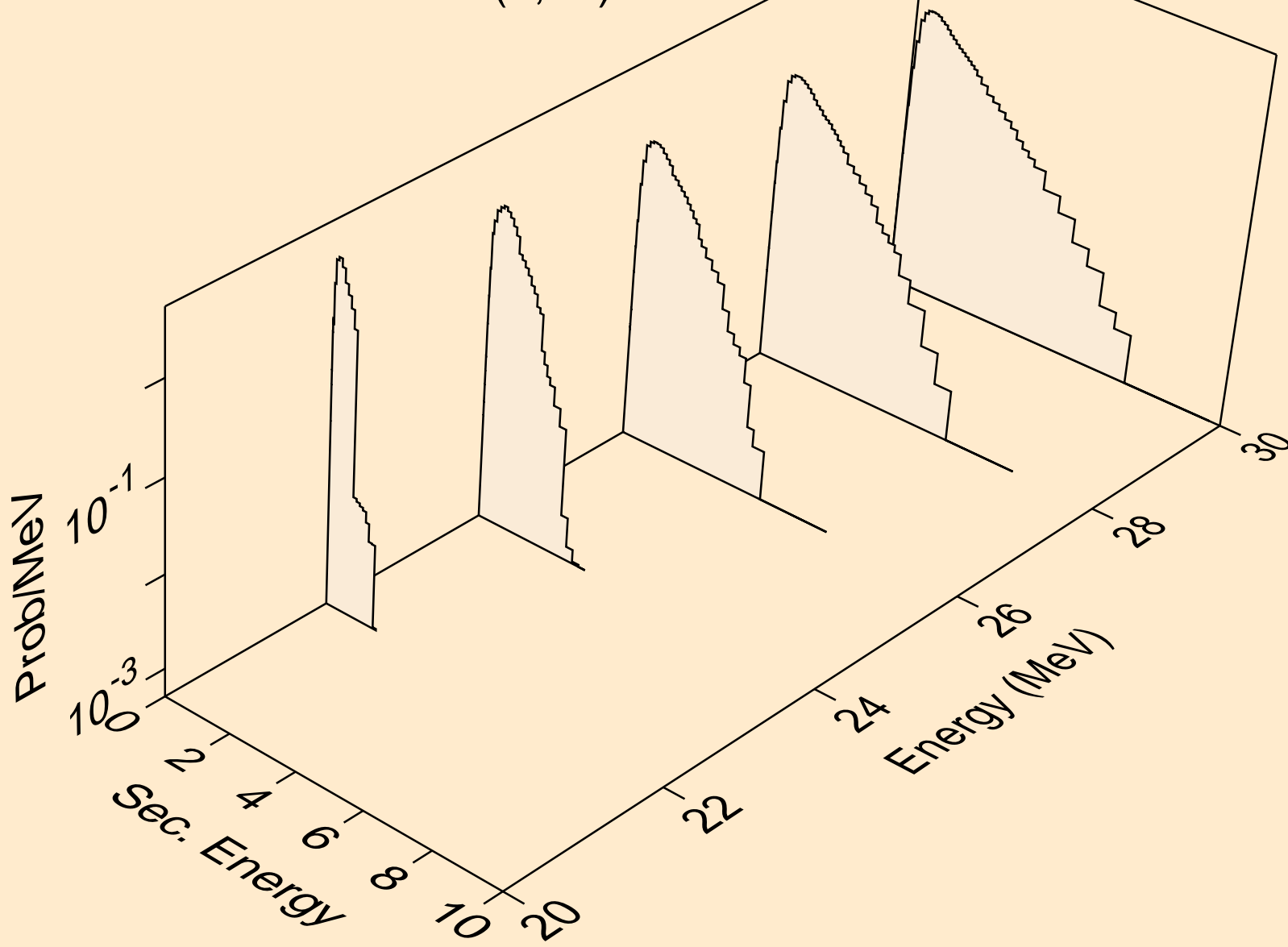
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



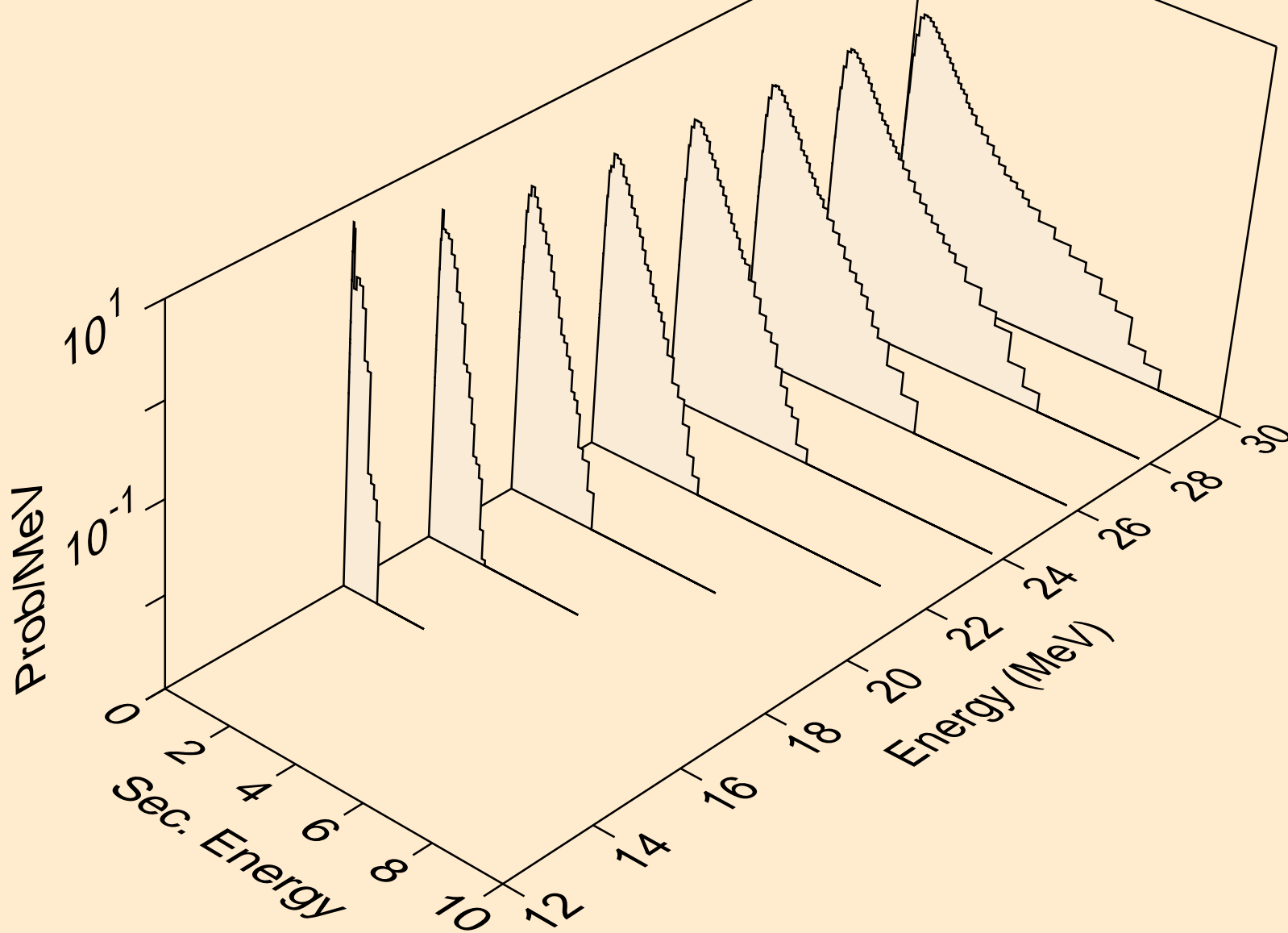
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



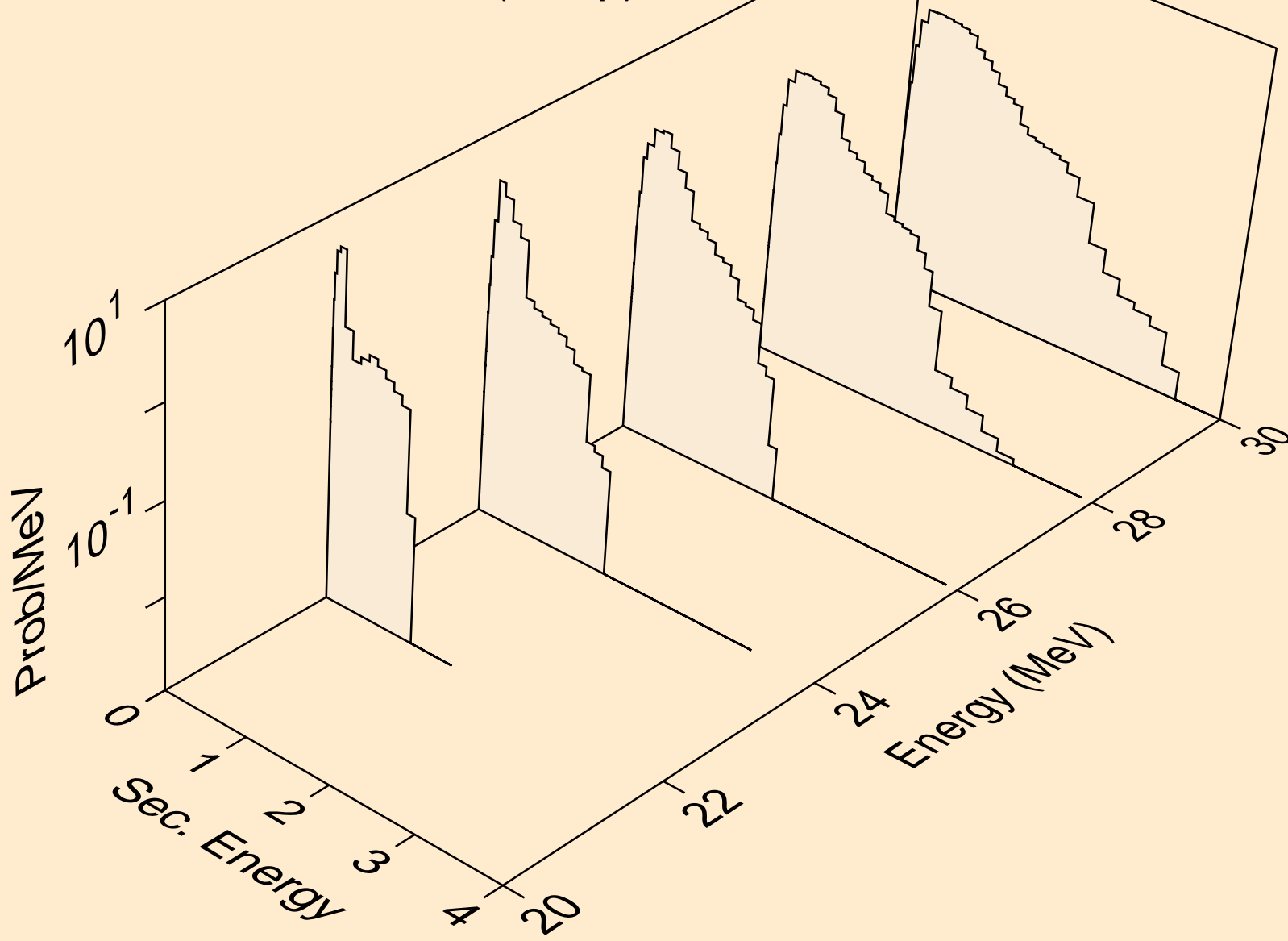
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



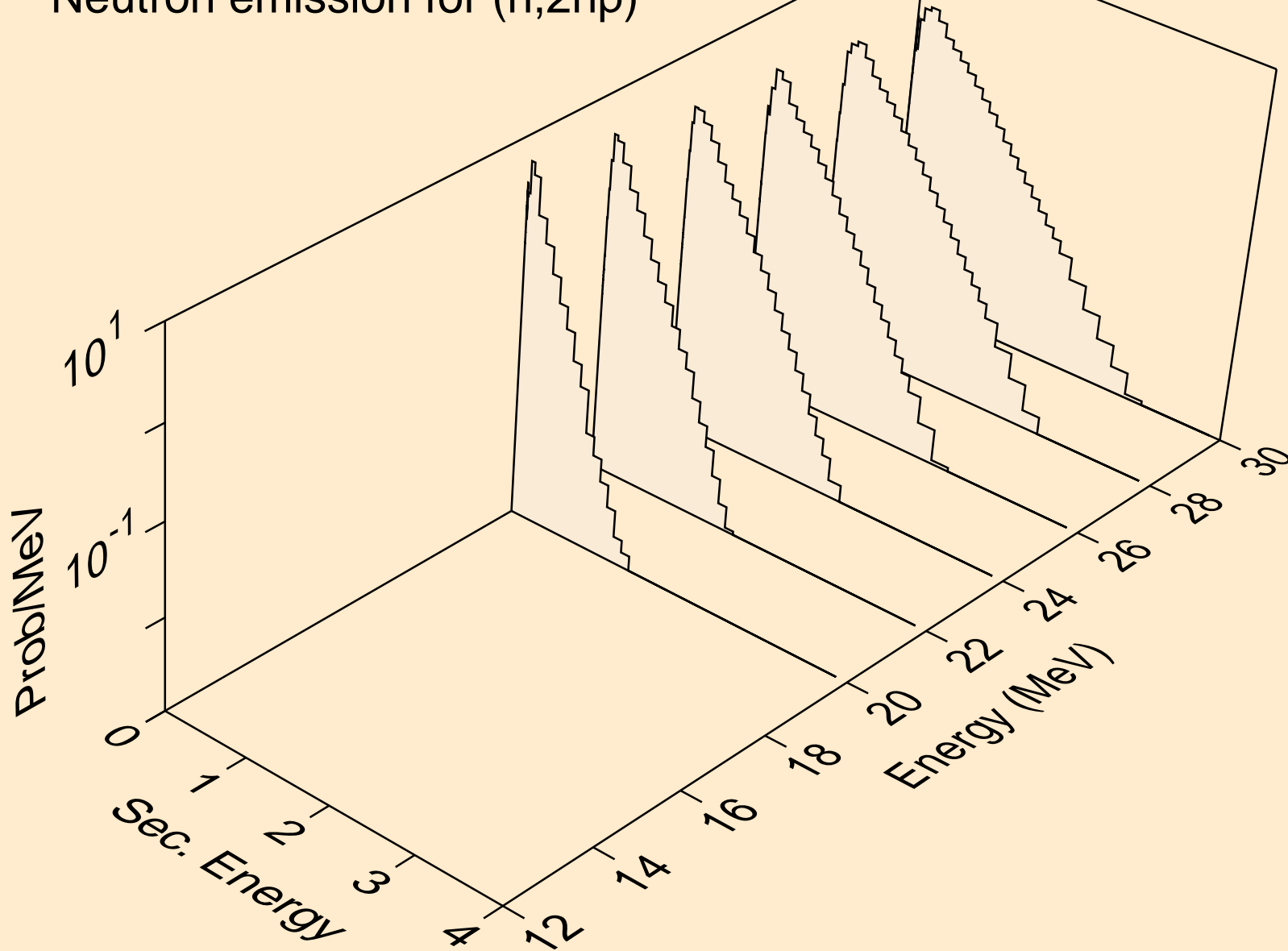
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



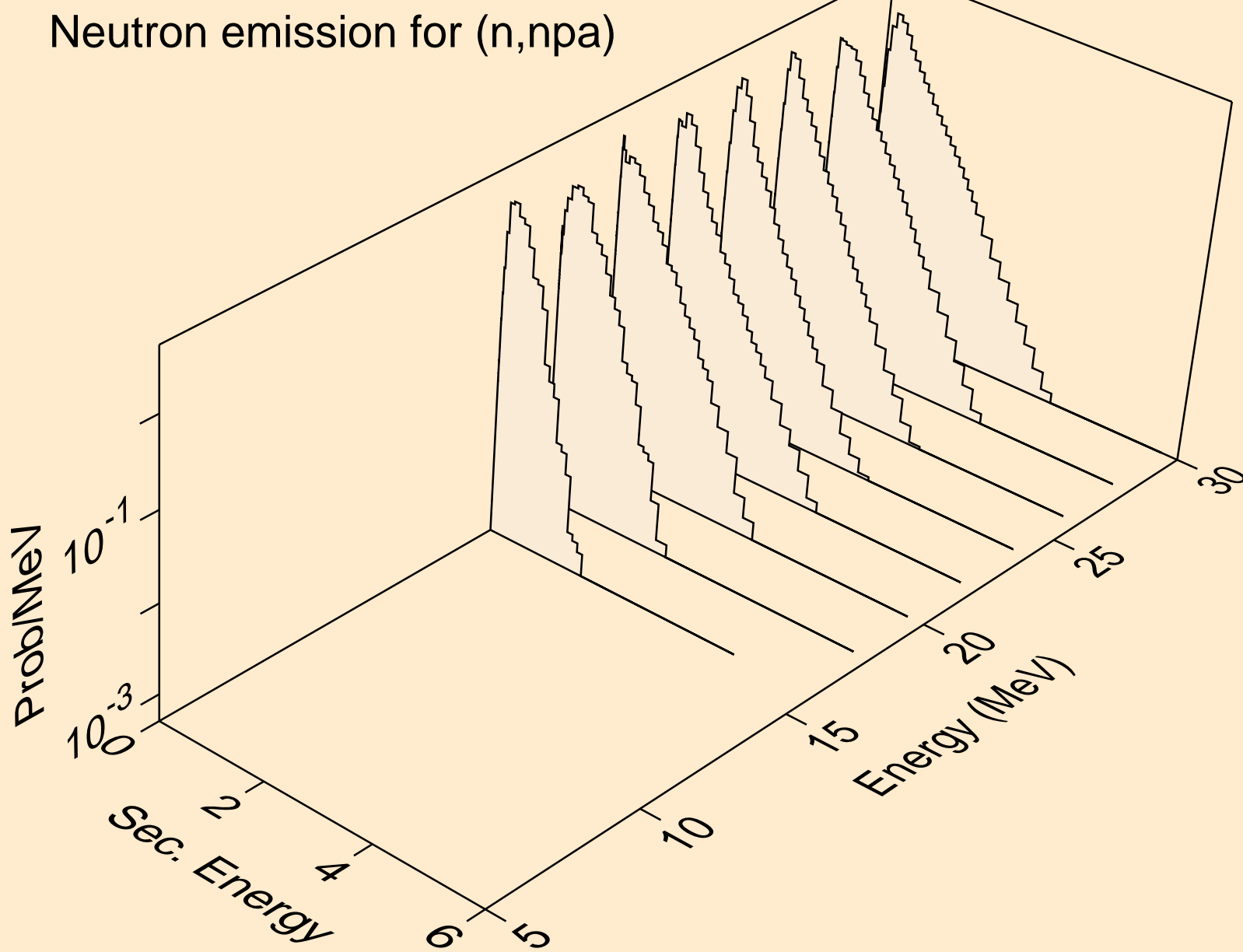
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



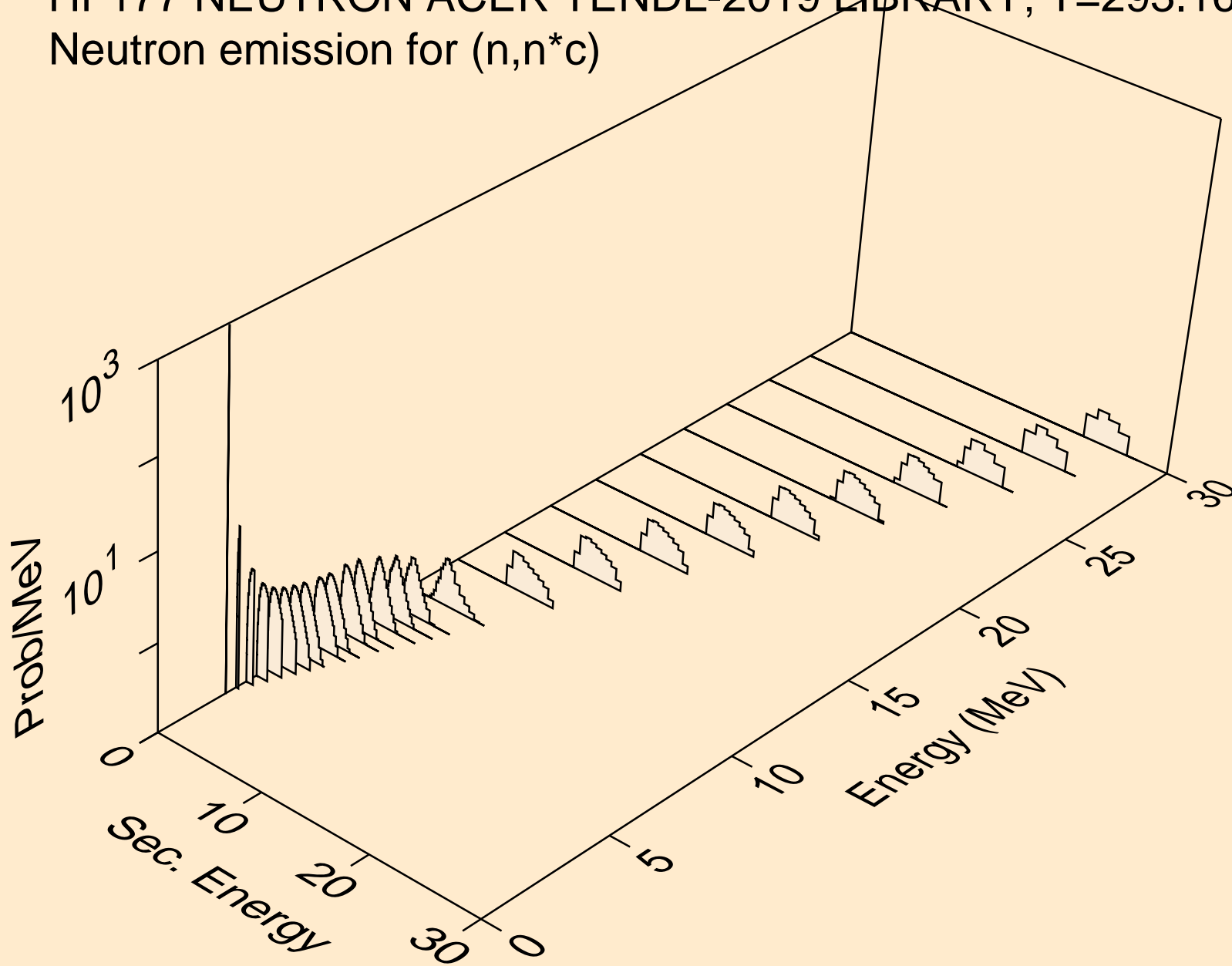
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



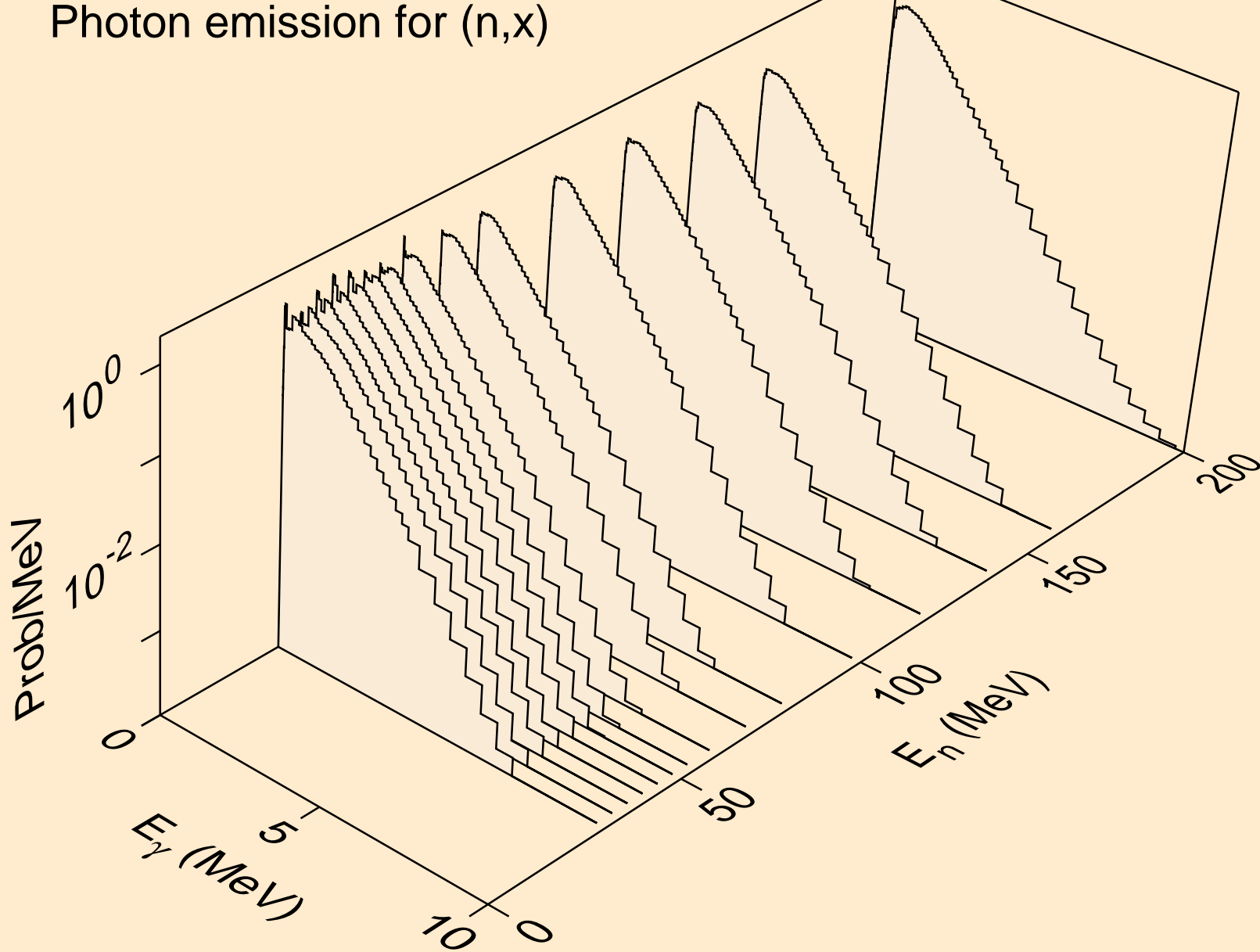
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



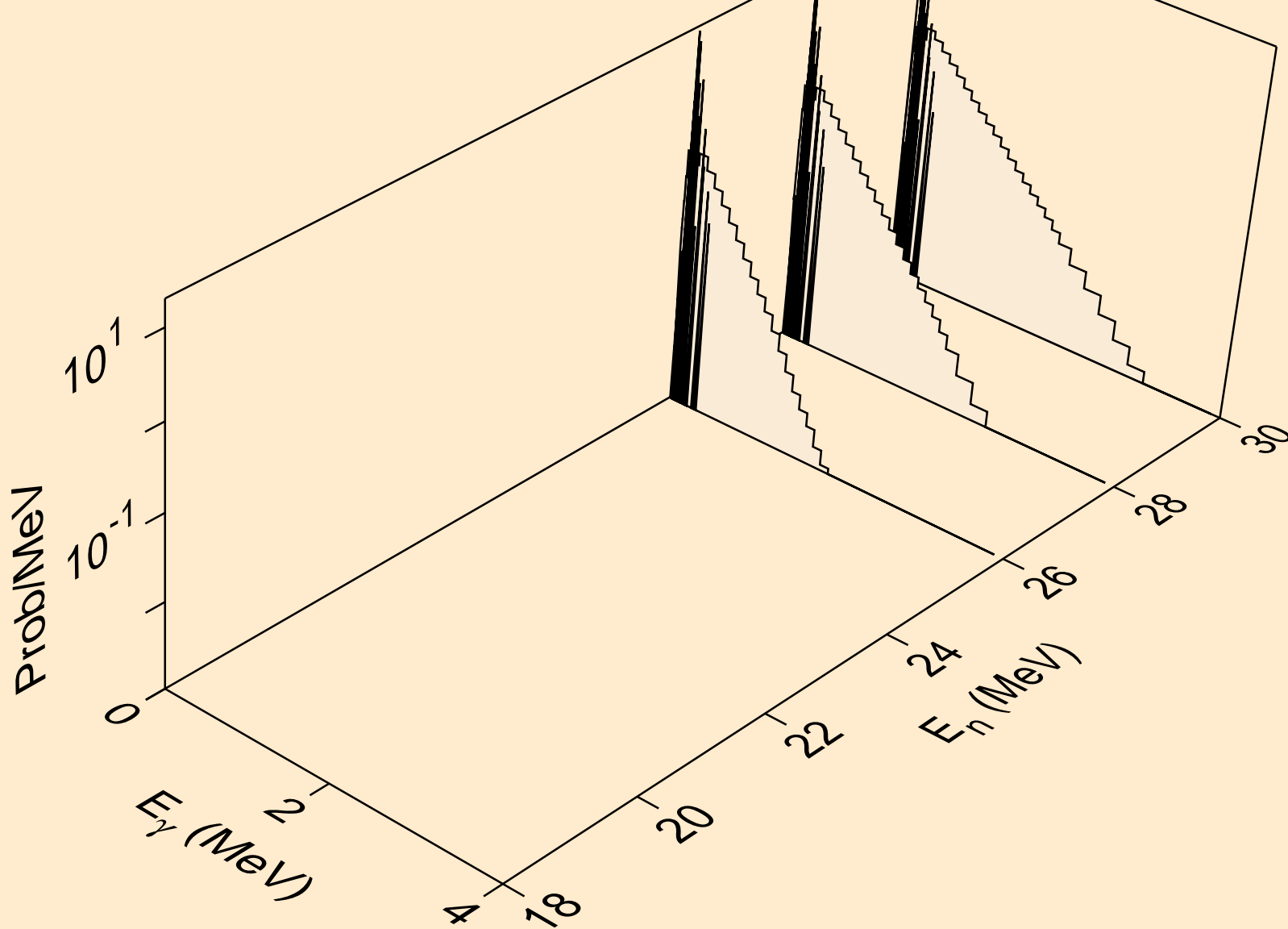
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



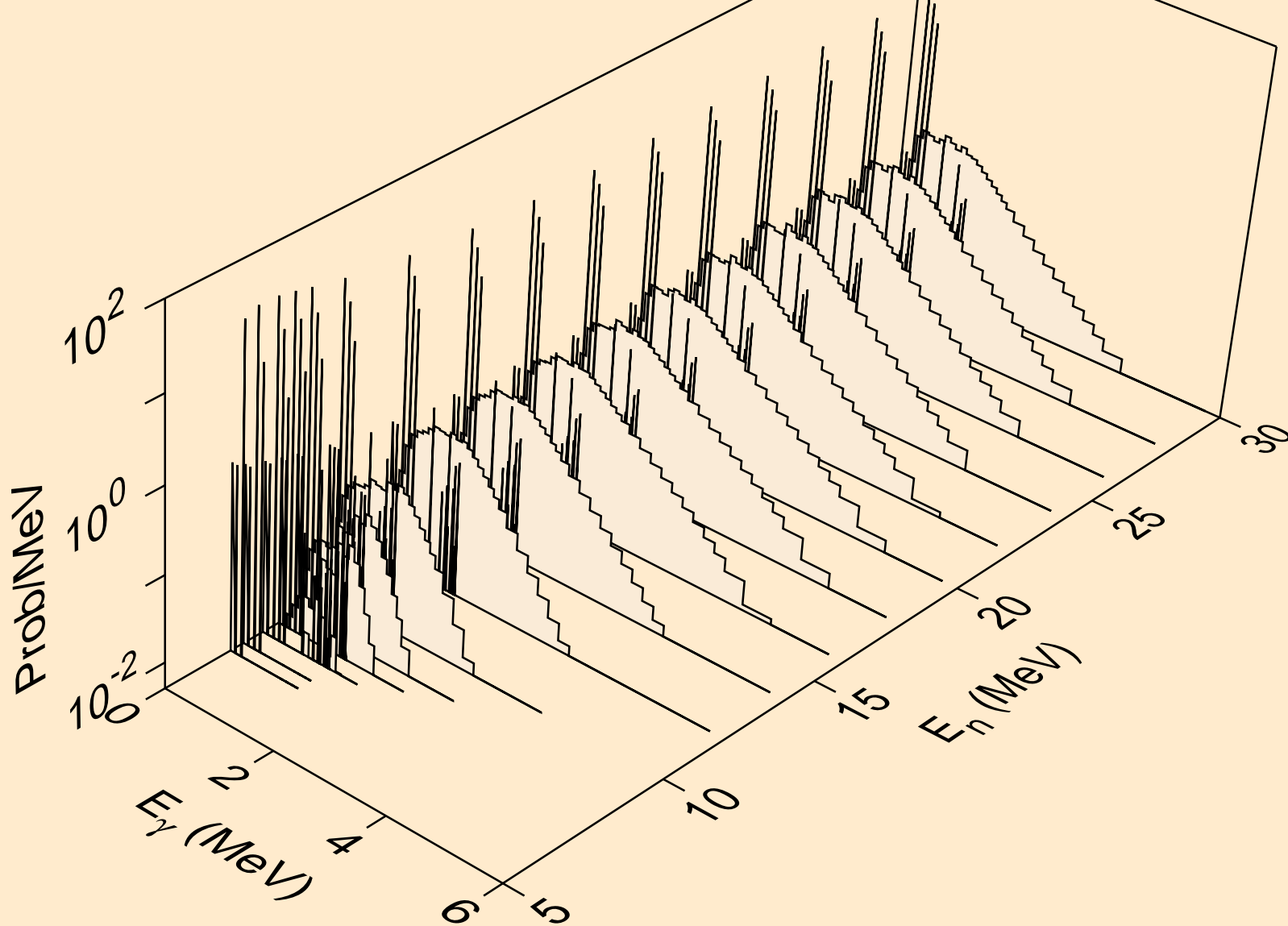
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



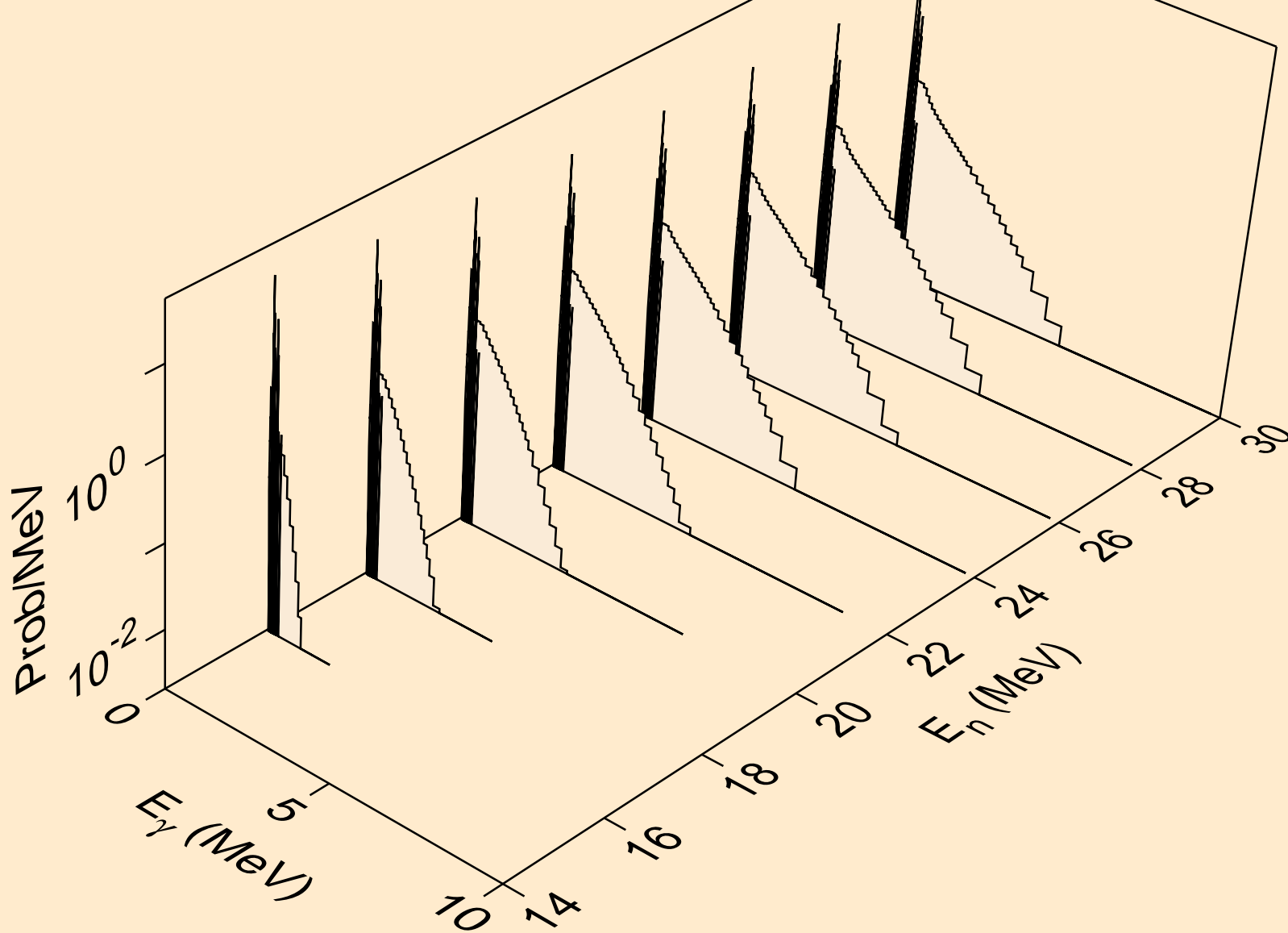
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



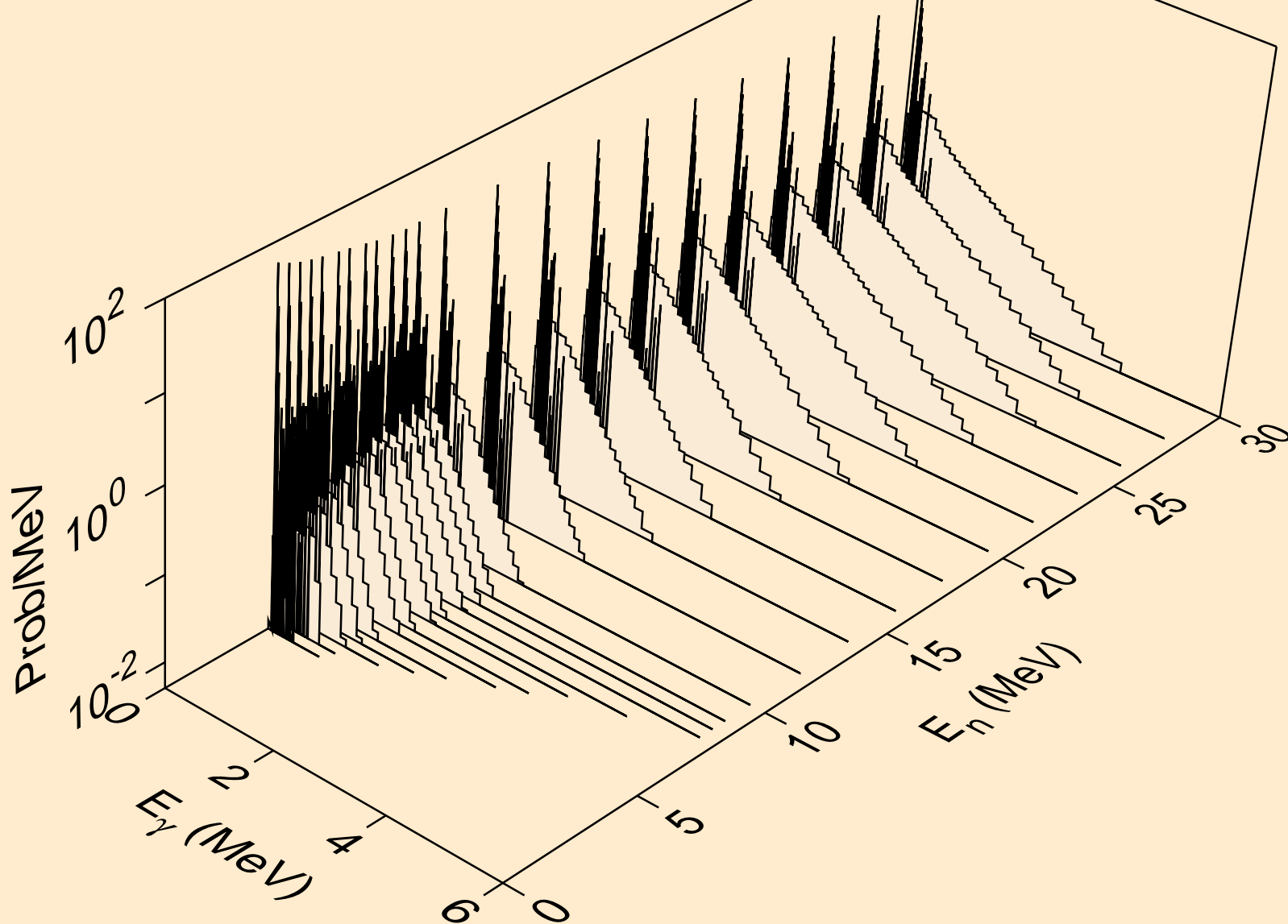
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



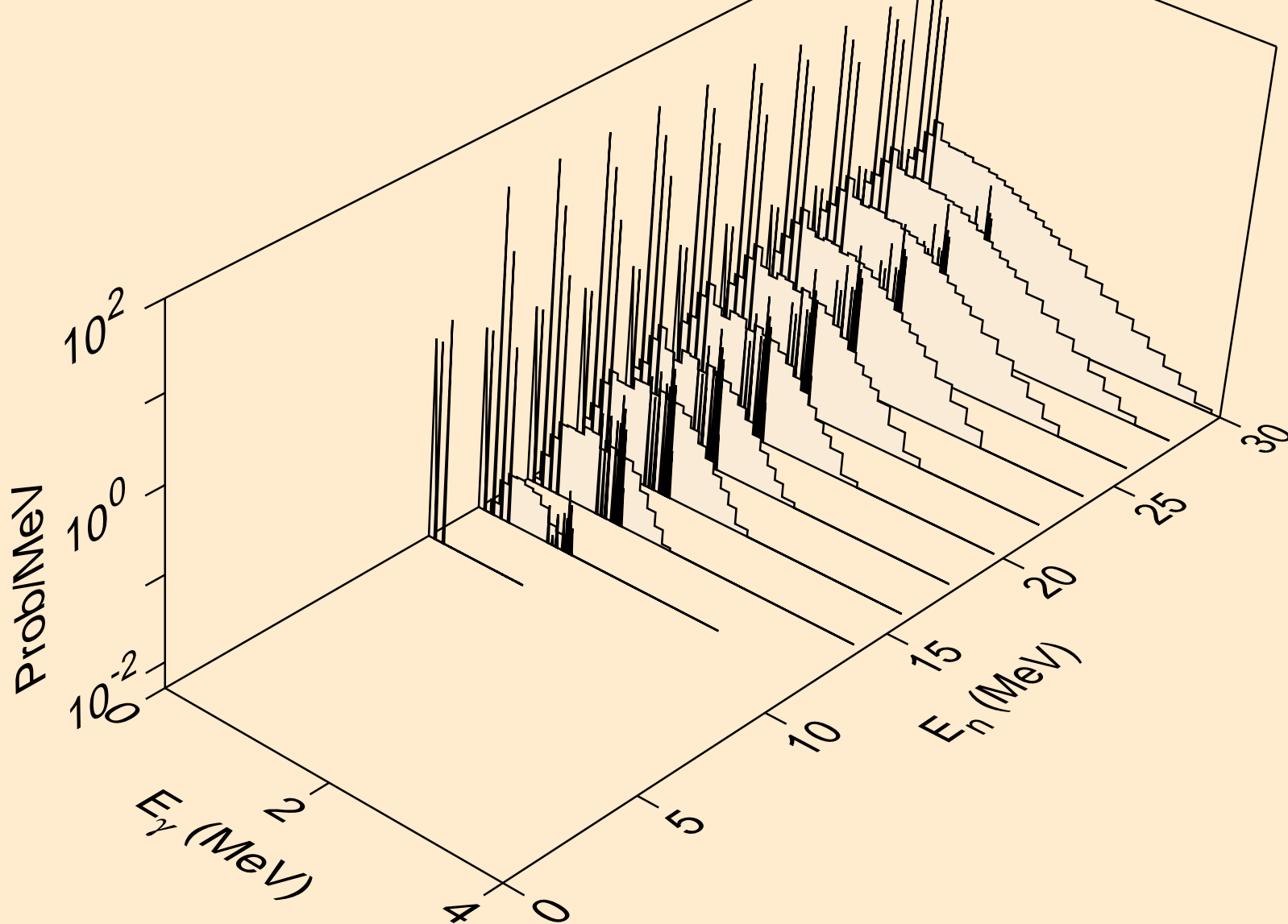
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



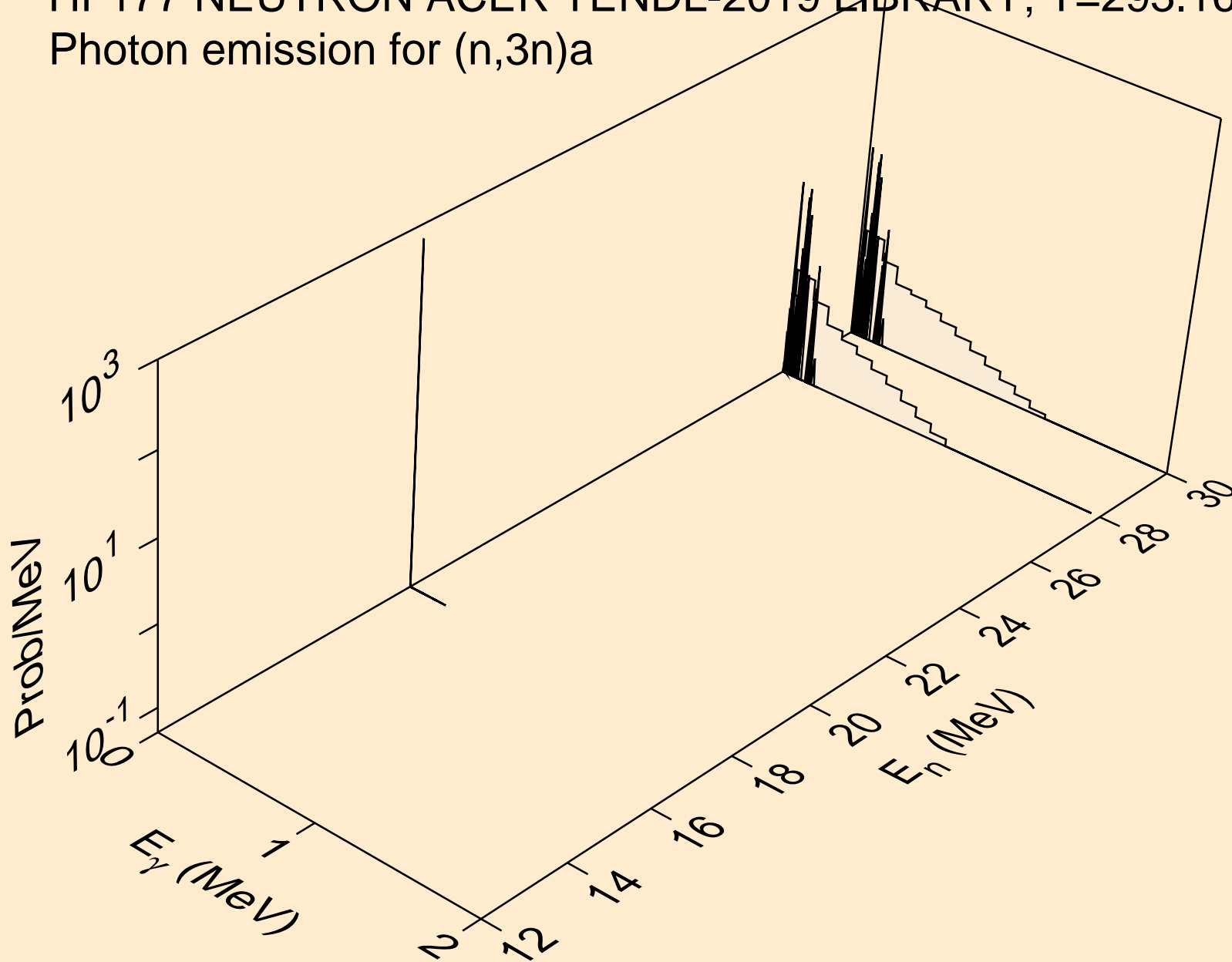
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



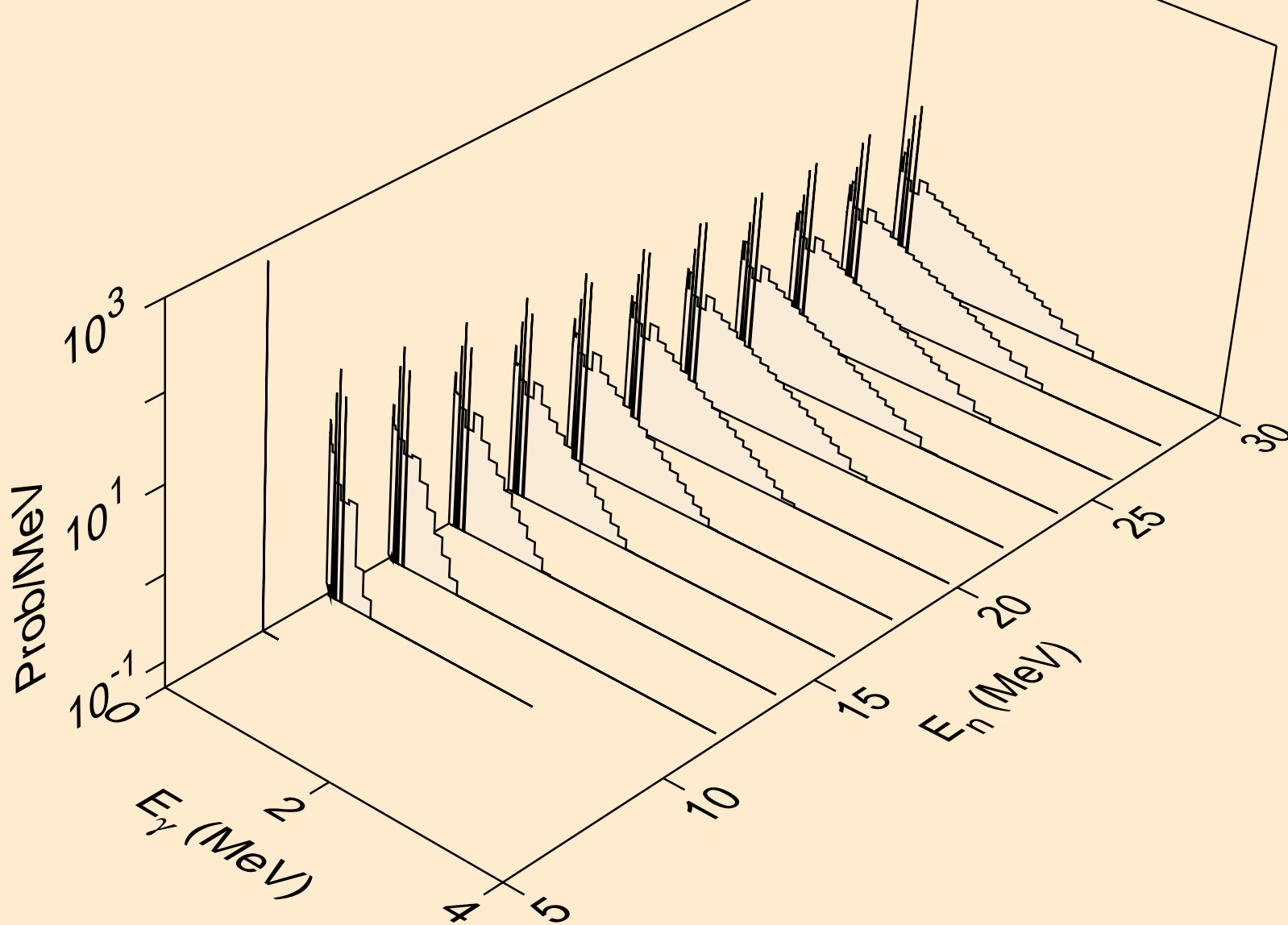
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



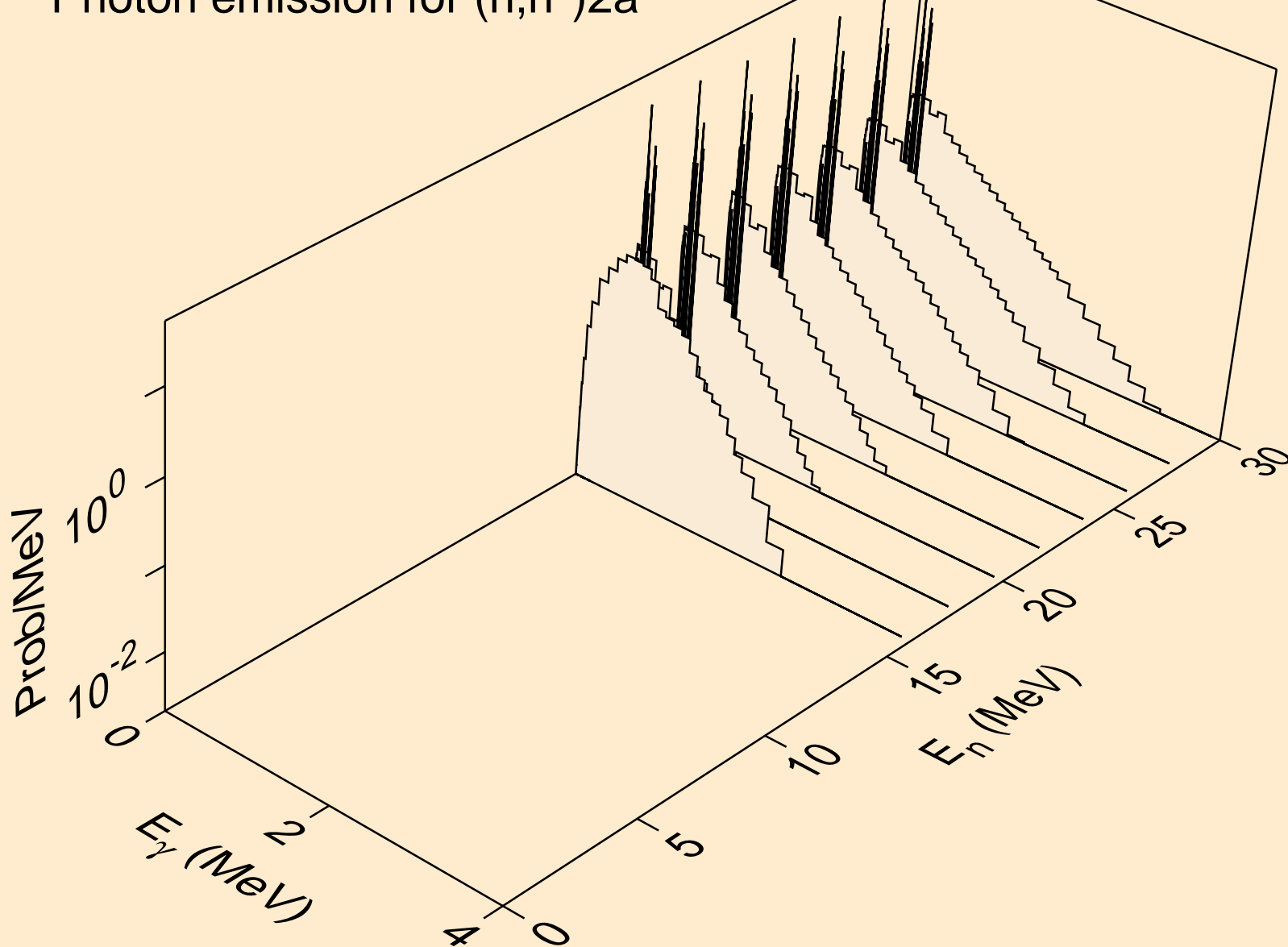
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



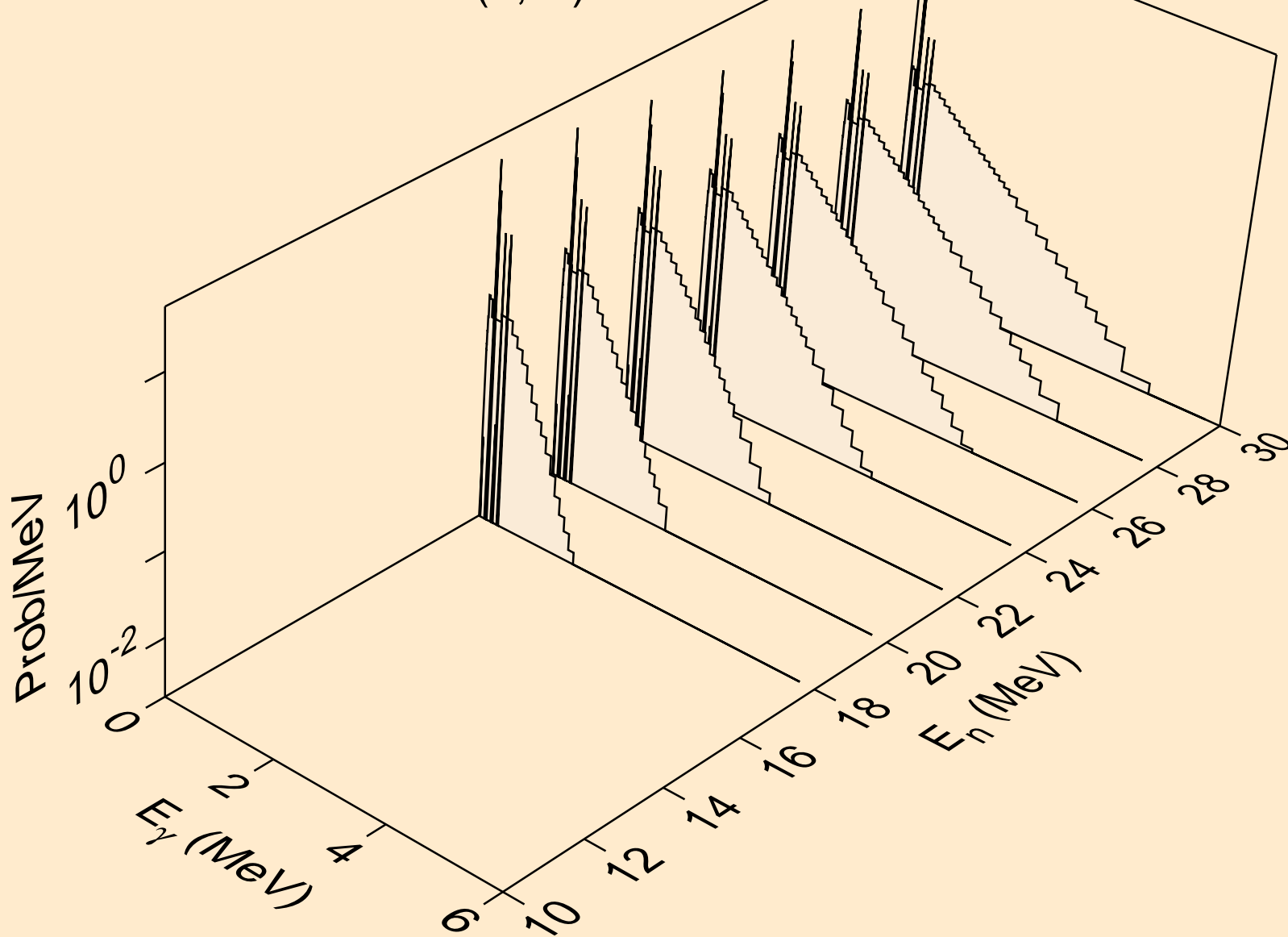
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



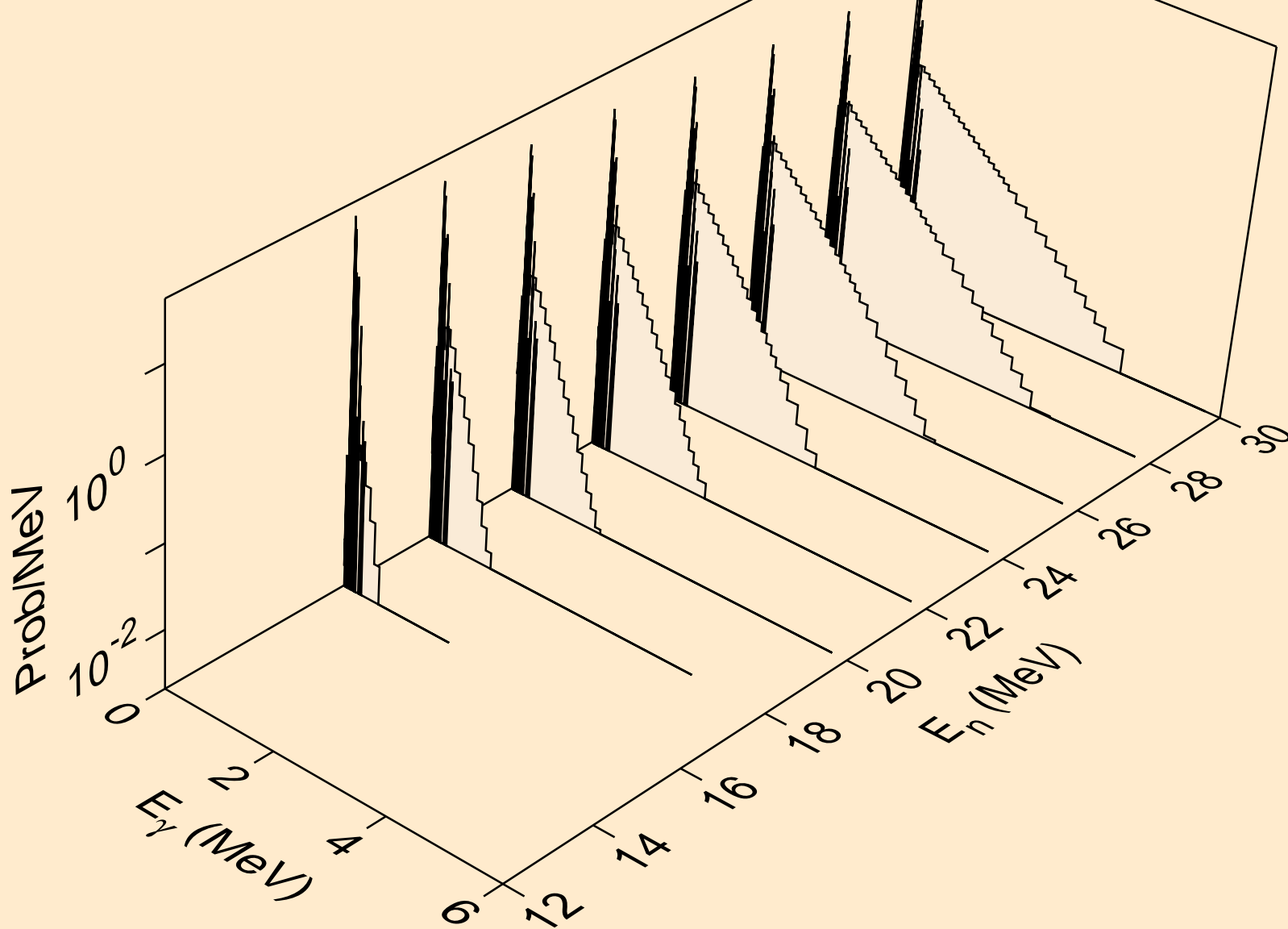
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



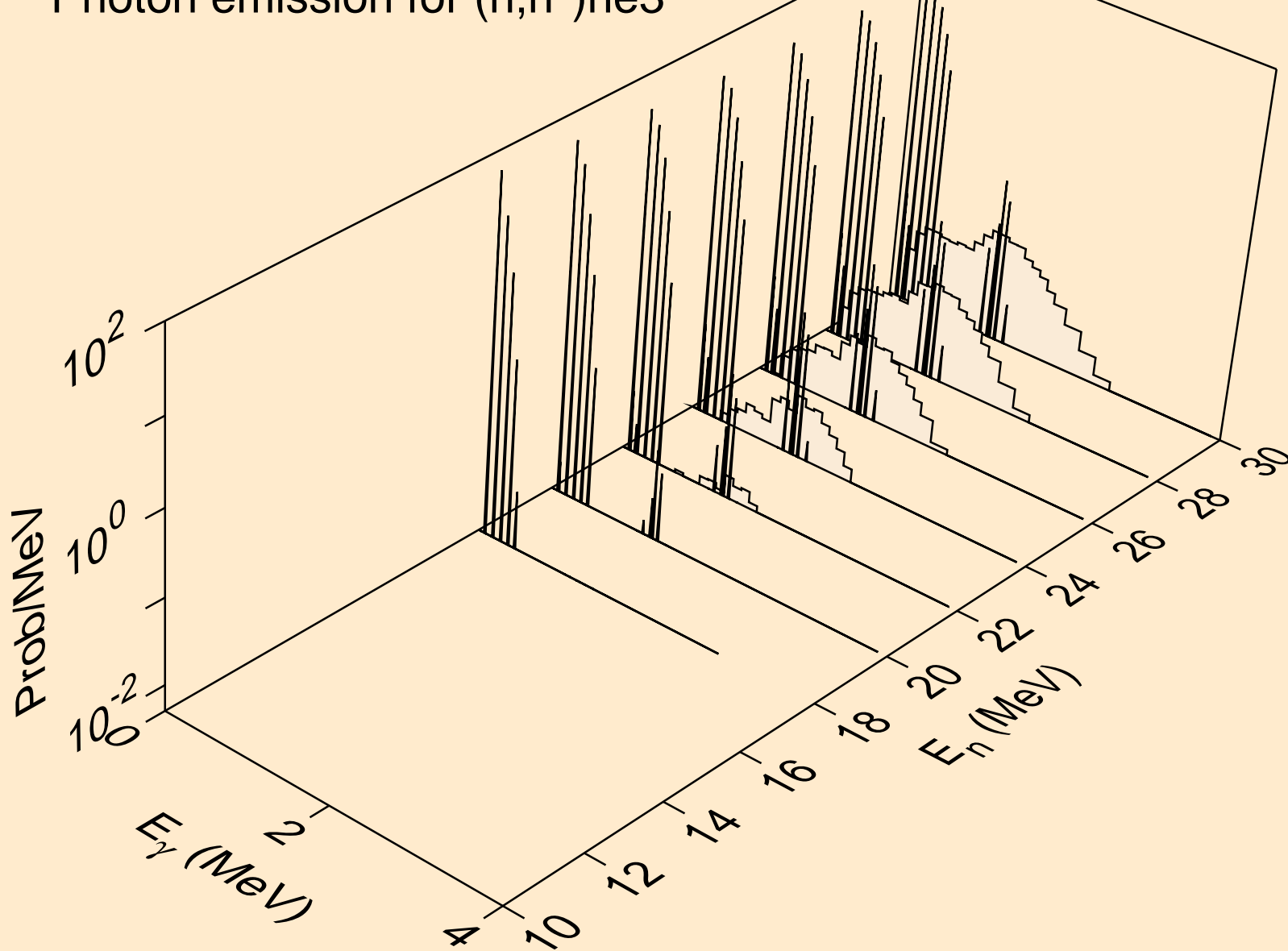
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



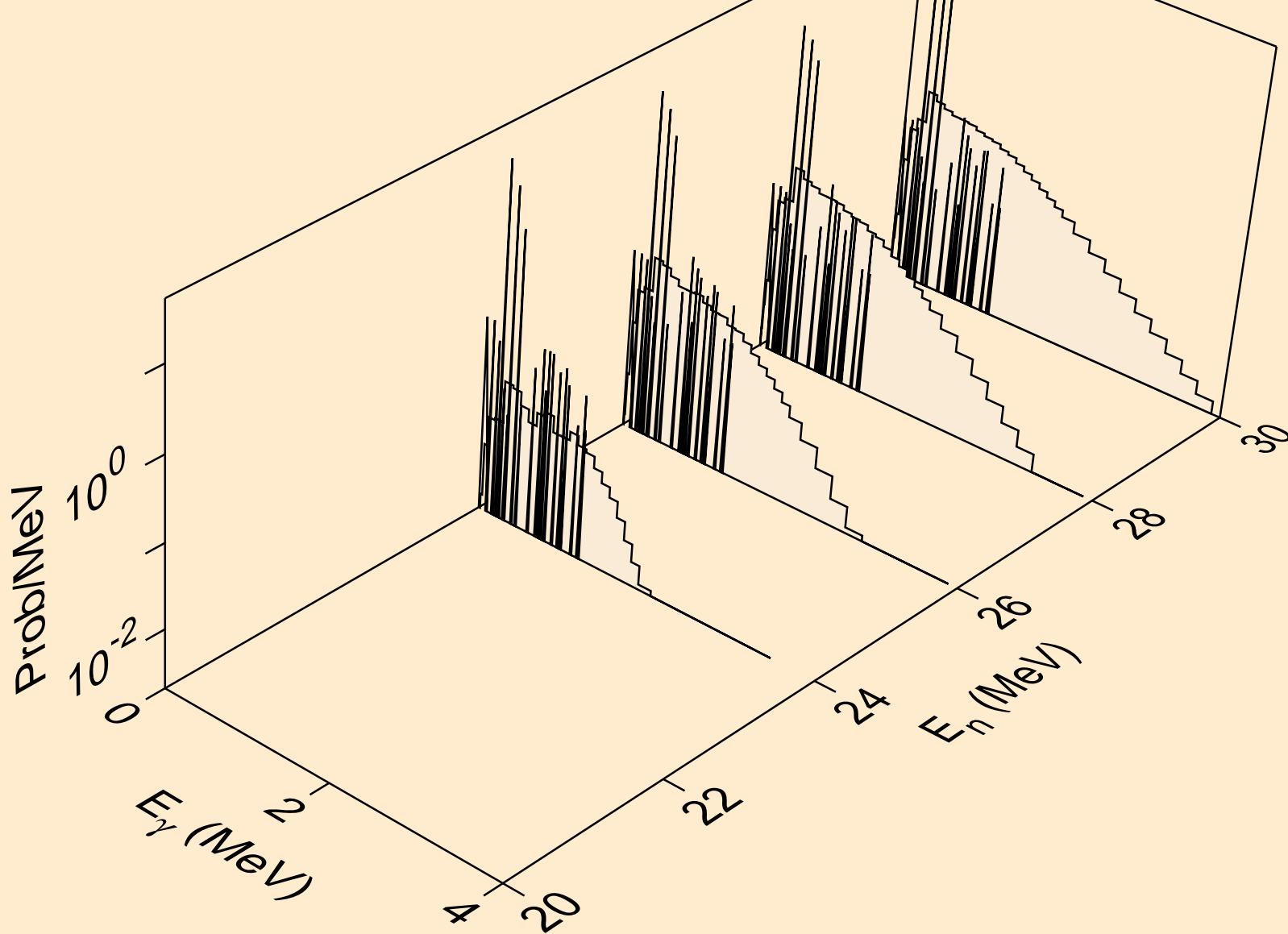
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



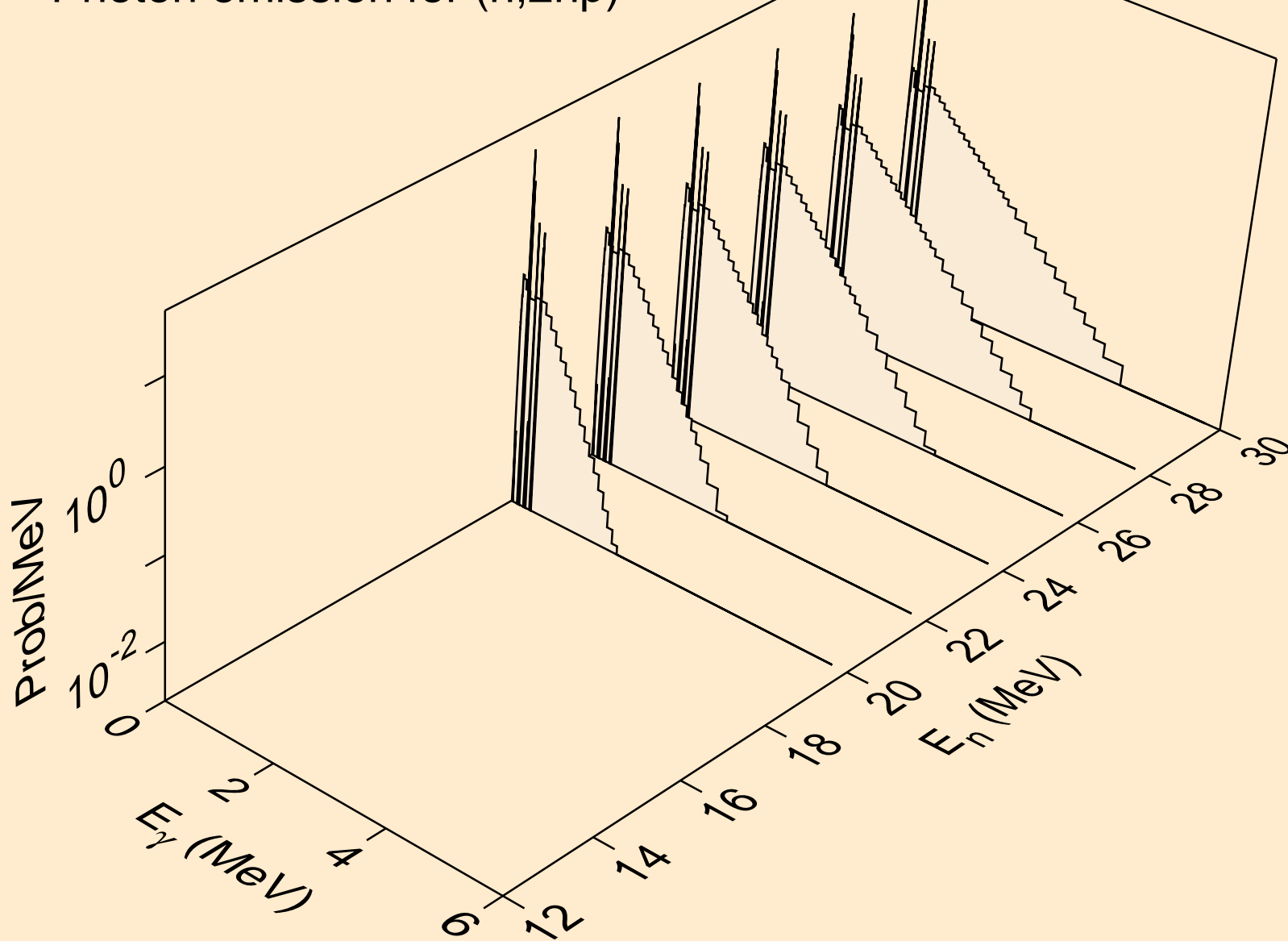
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



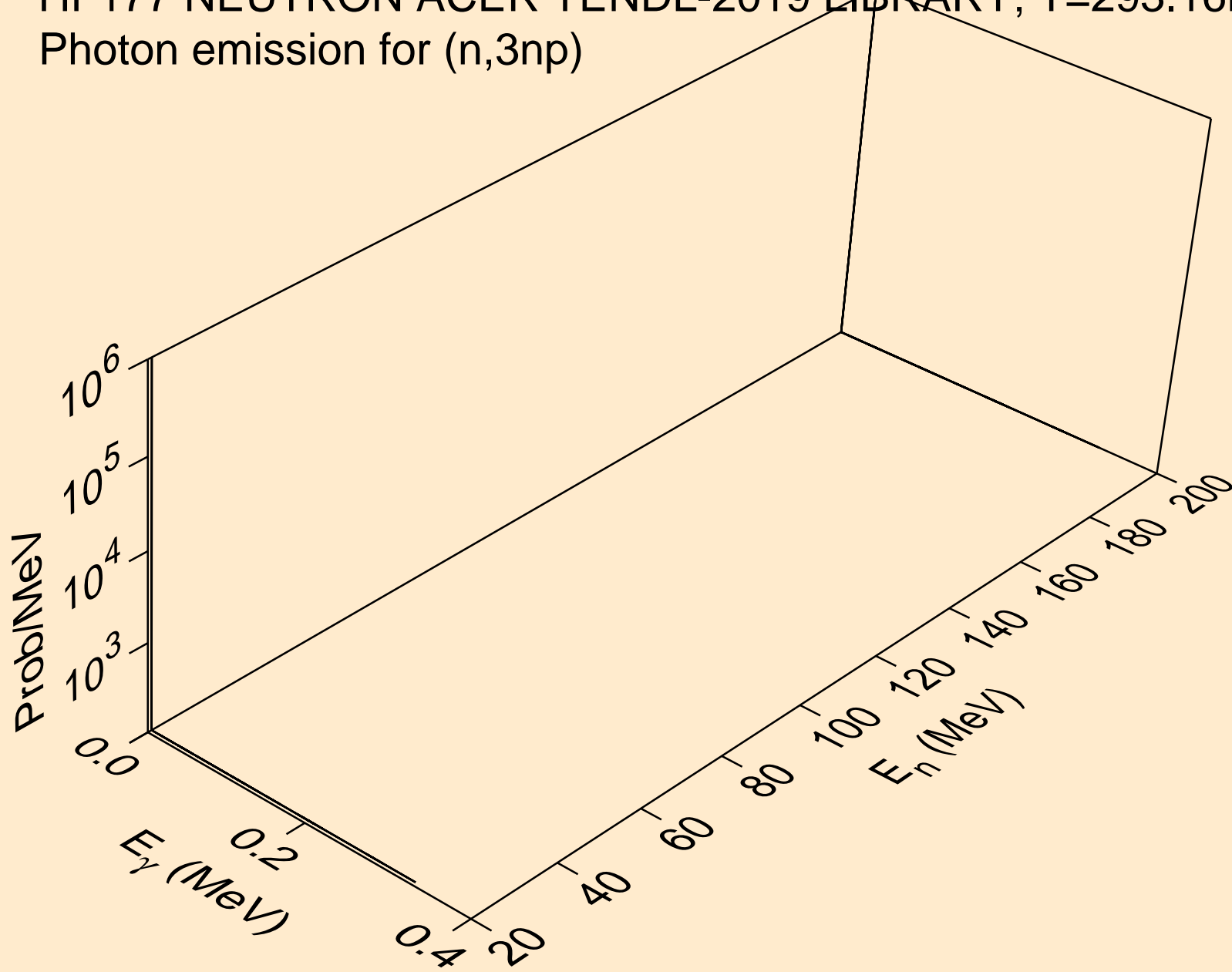
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



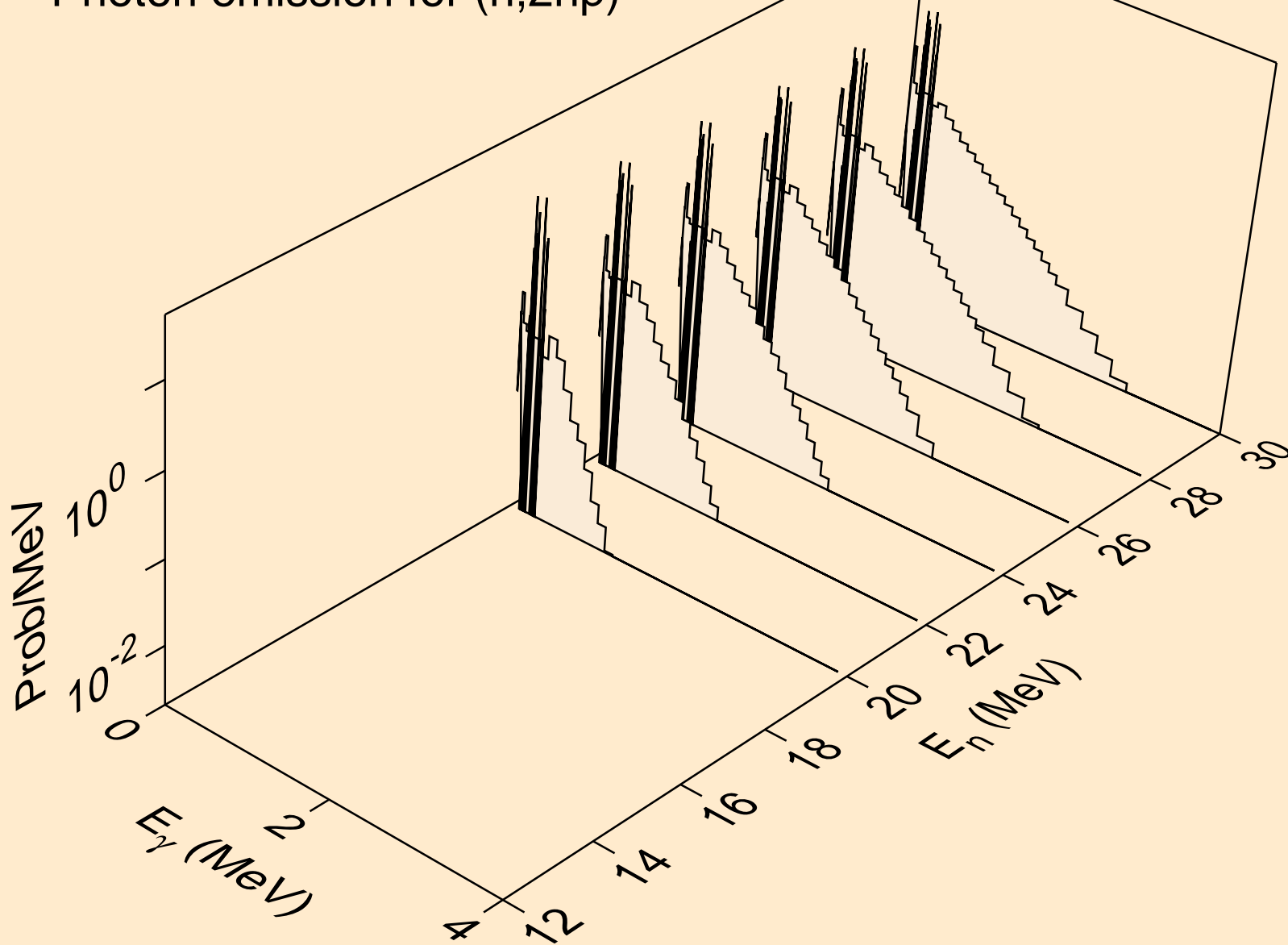
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



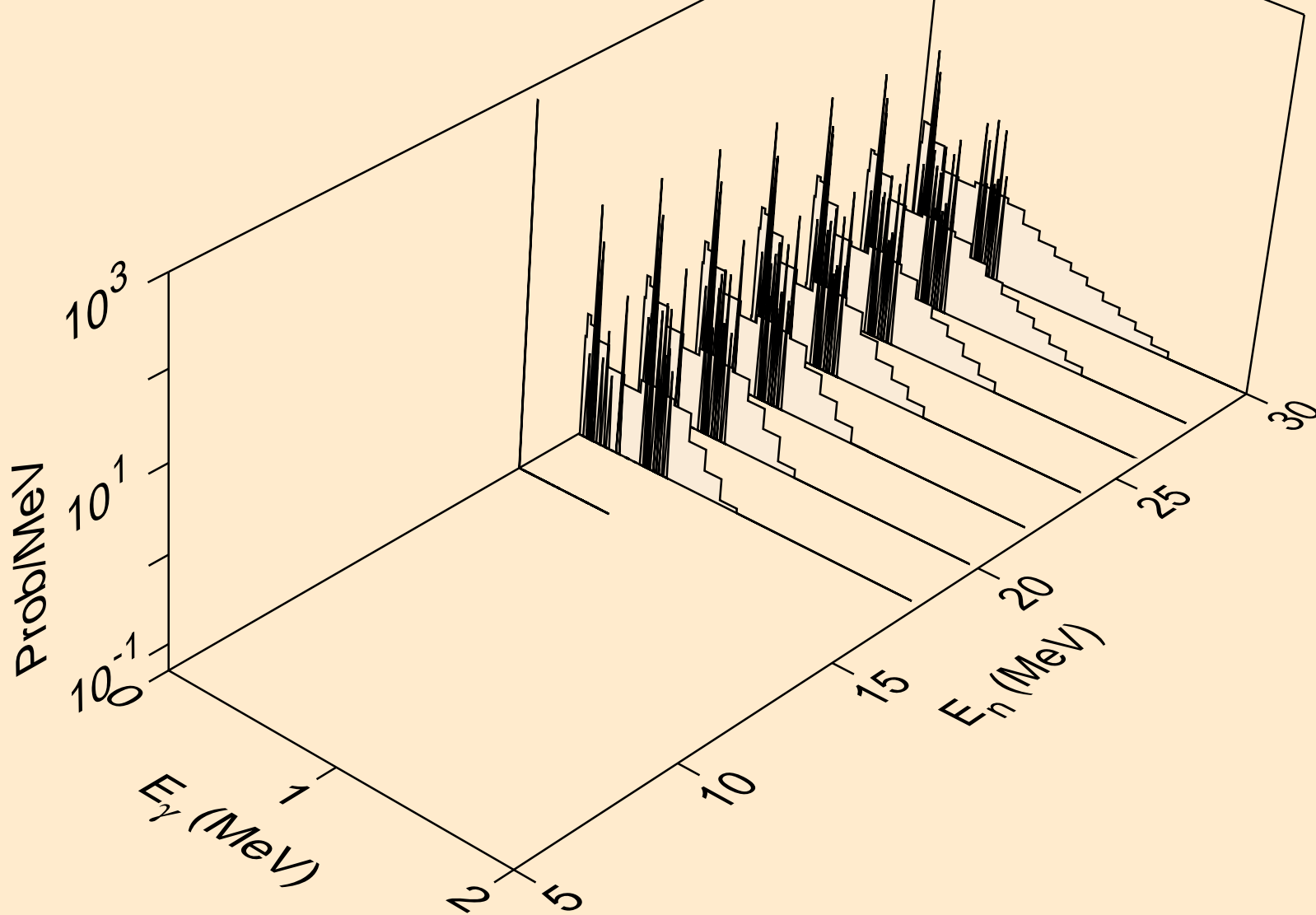
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



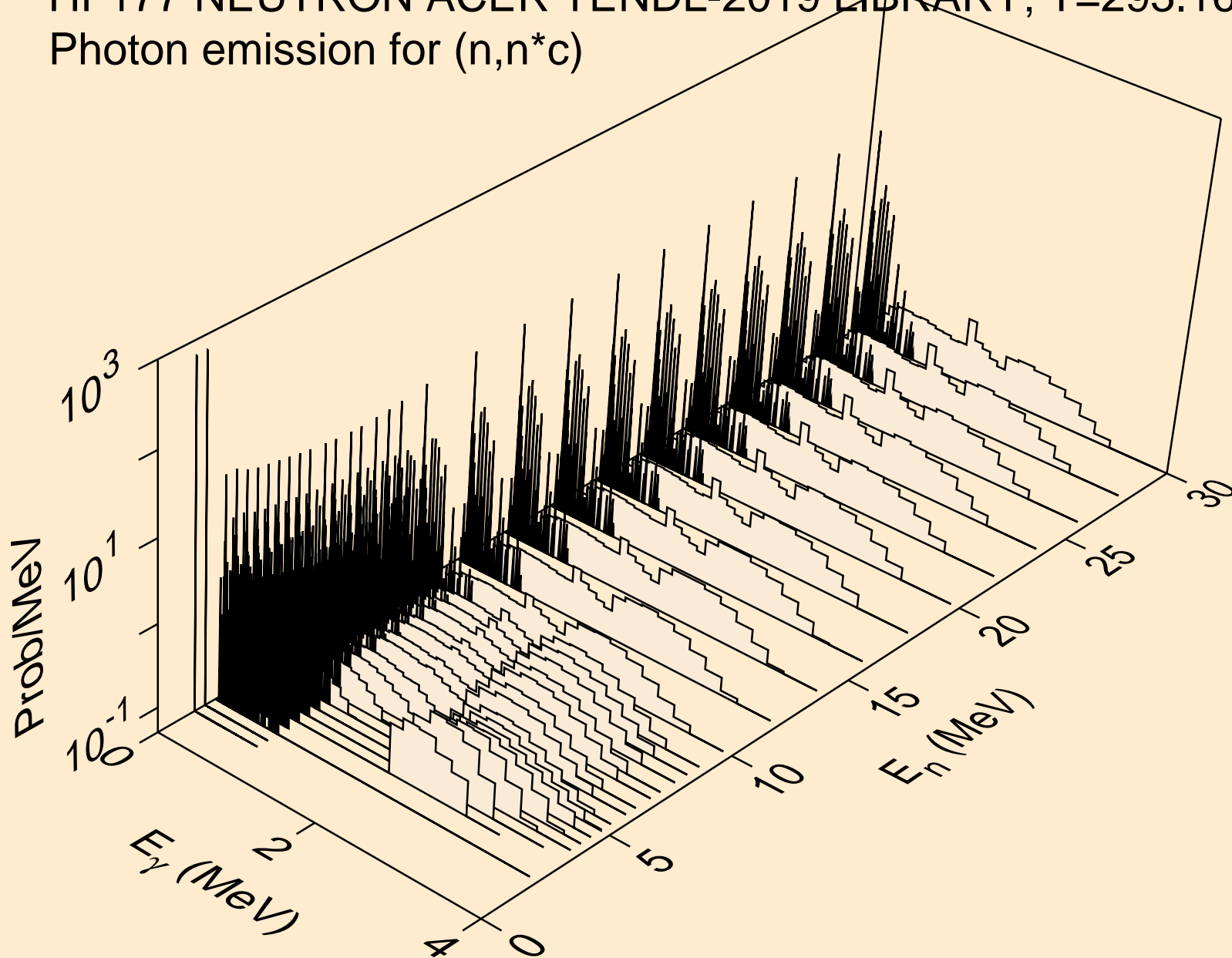
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Photon emission for (n,2np)



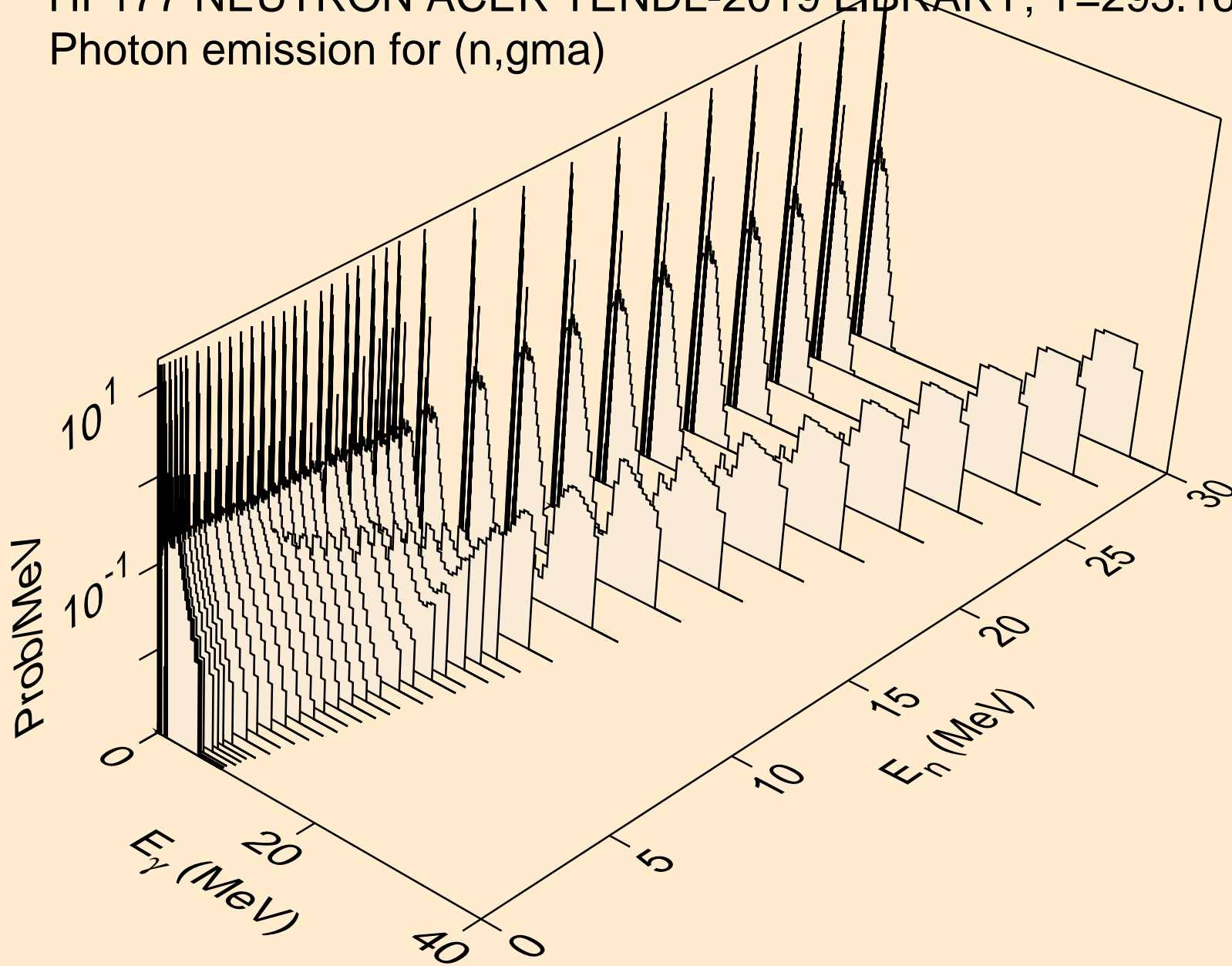
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



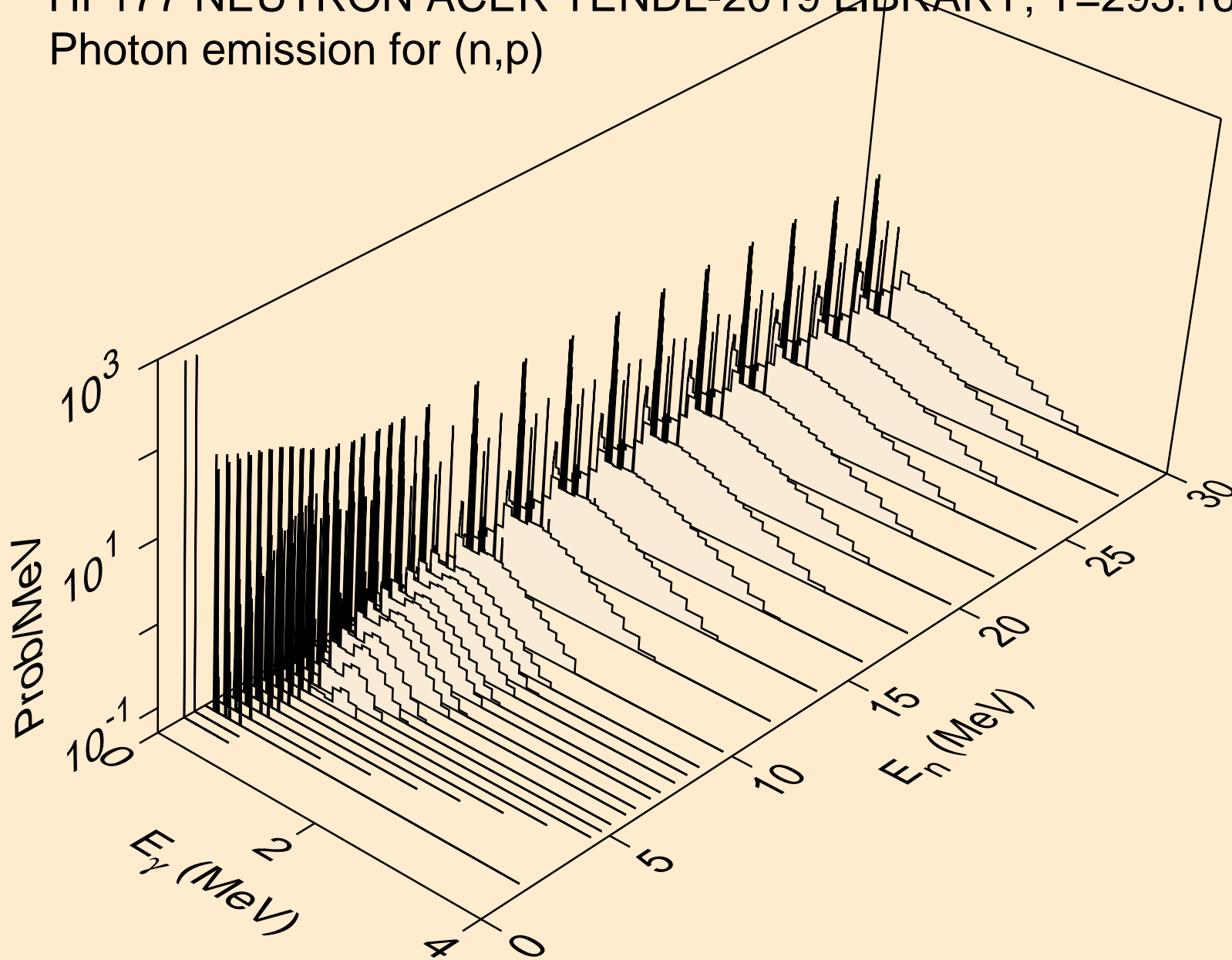
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Photon emission for (n,n*c)



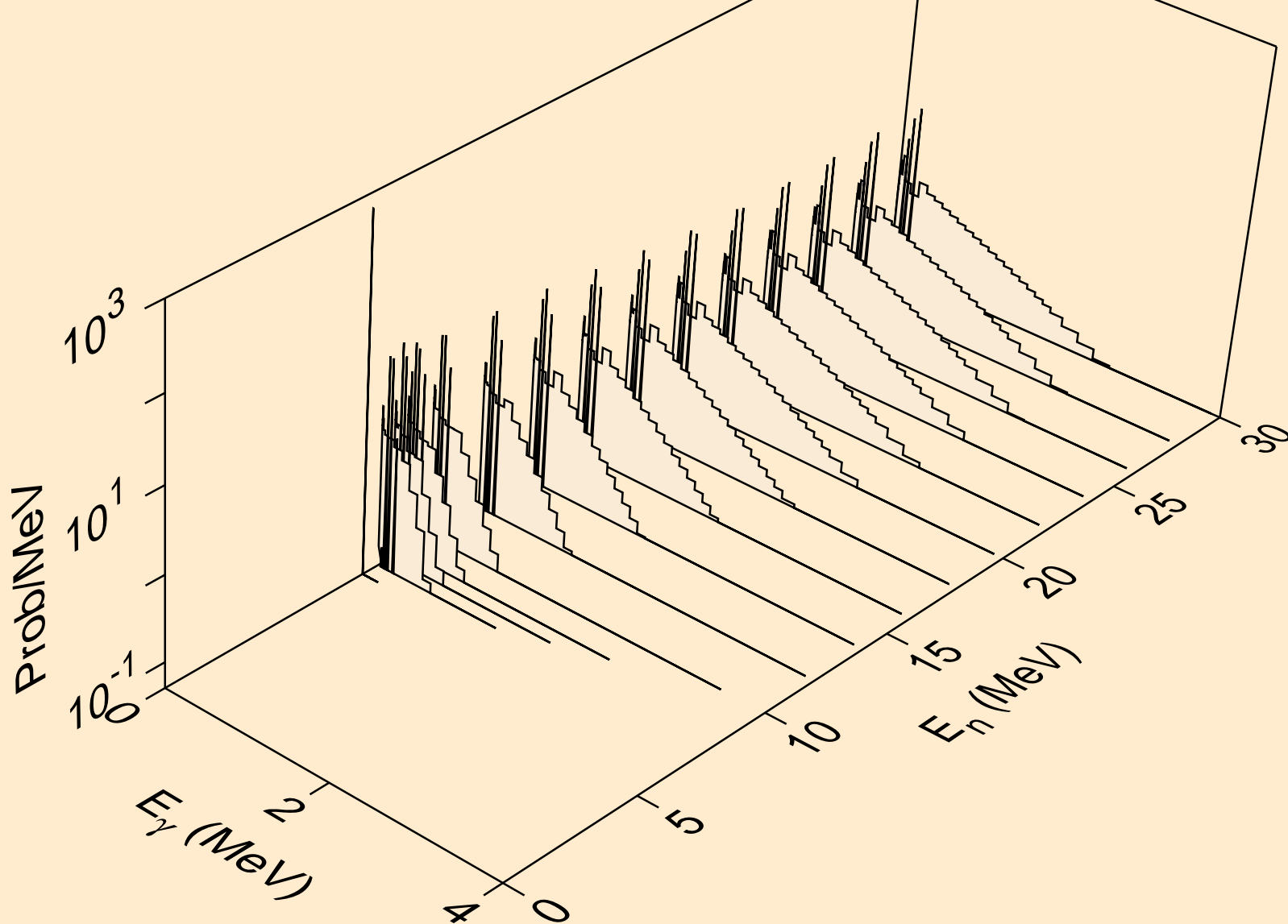
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Photon emission for (n,gma)



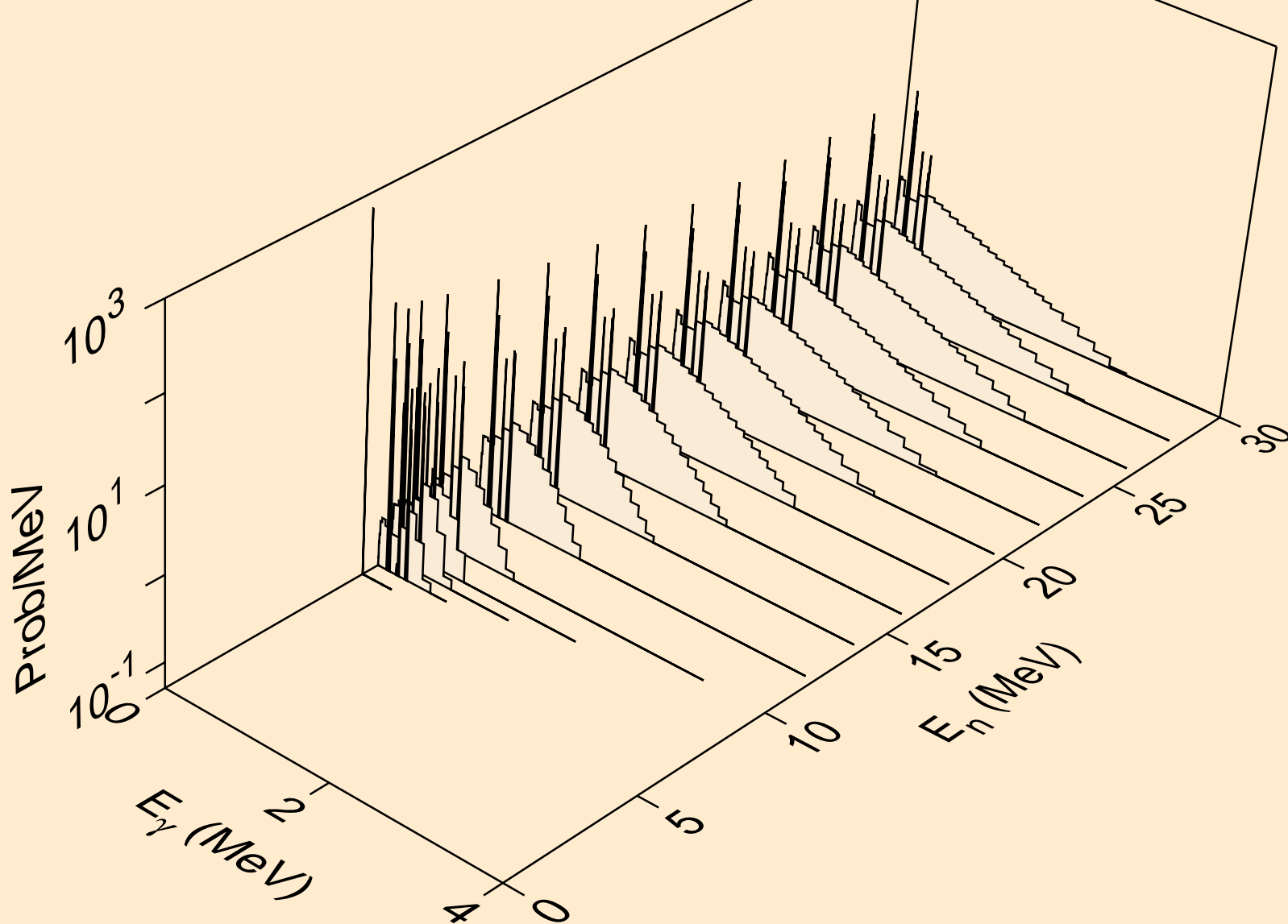
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



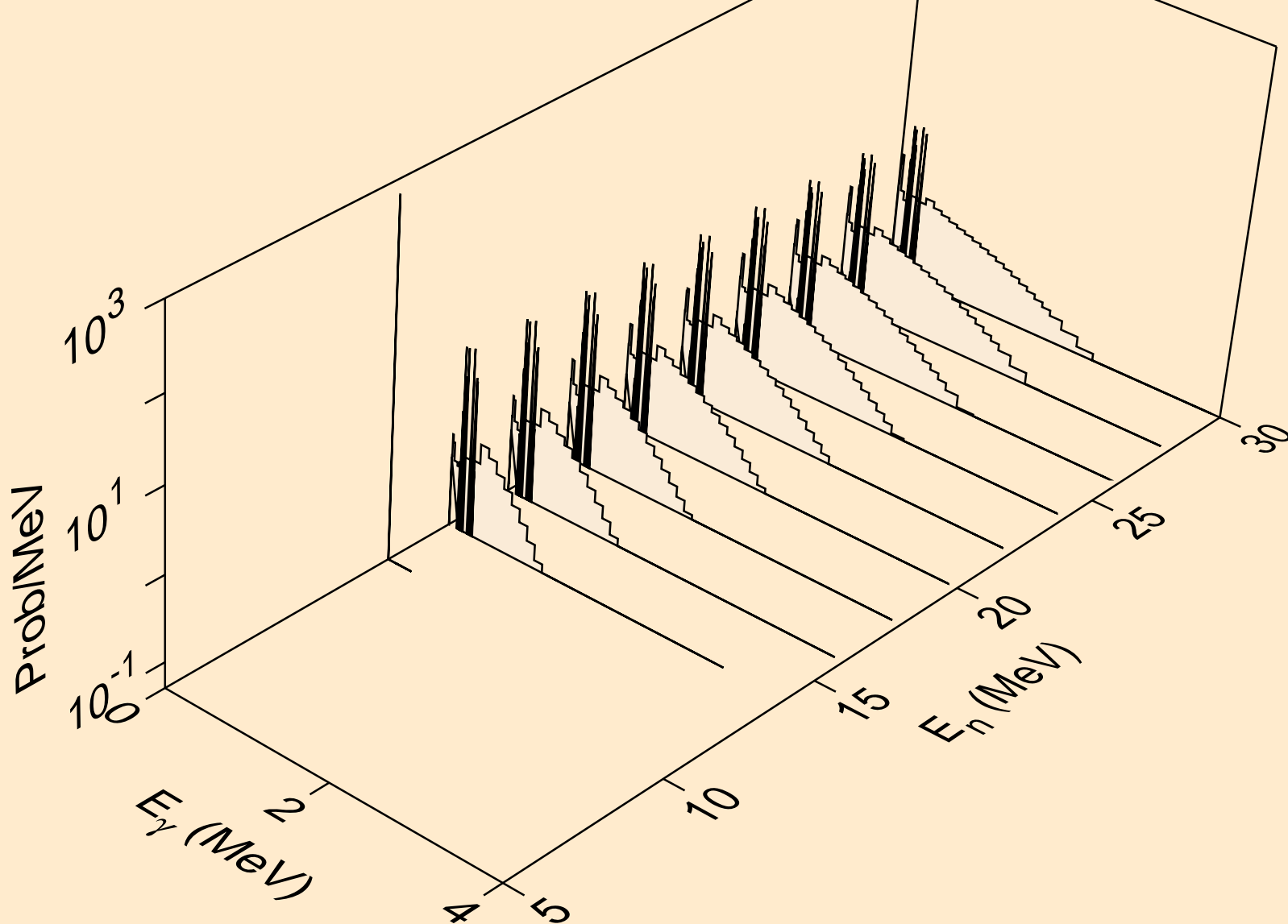
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



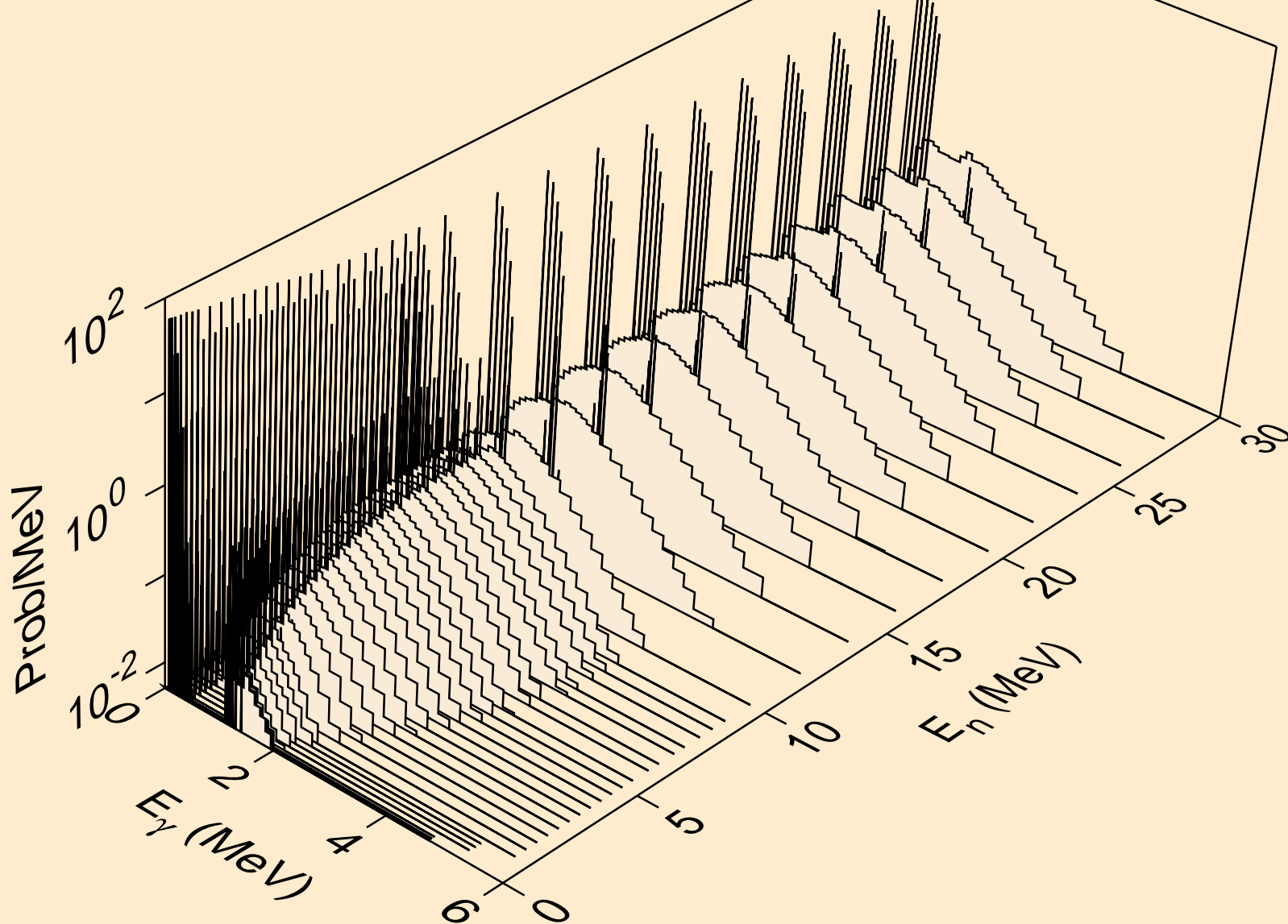
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Photon emission for (n,t)



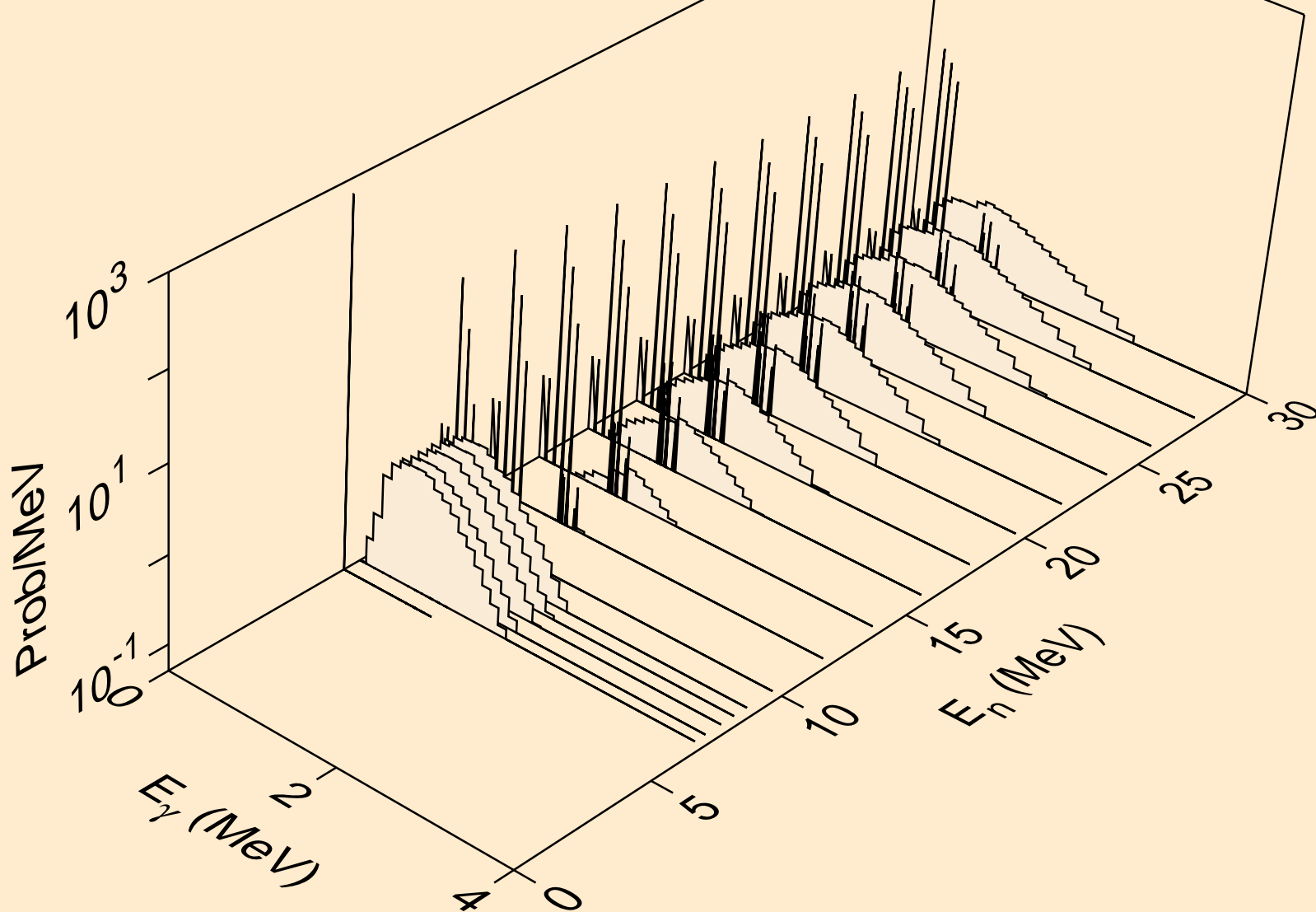
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Photon emission for (n,he3)



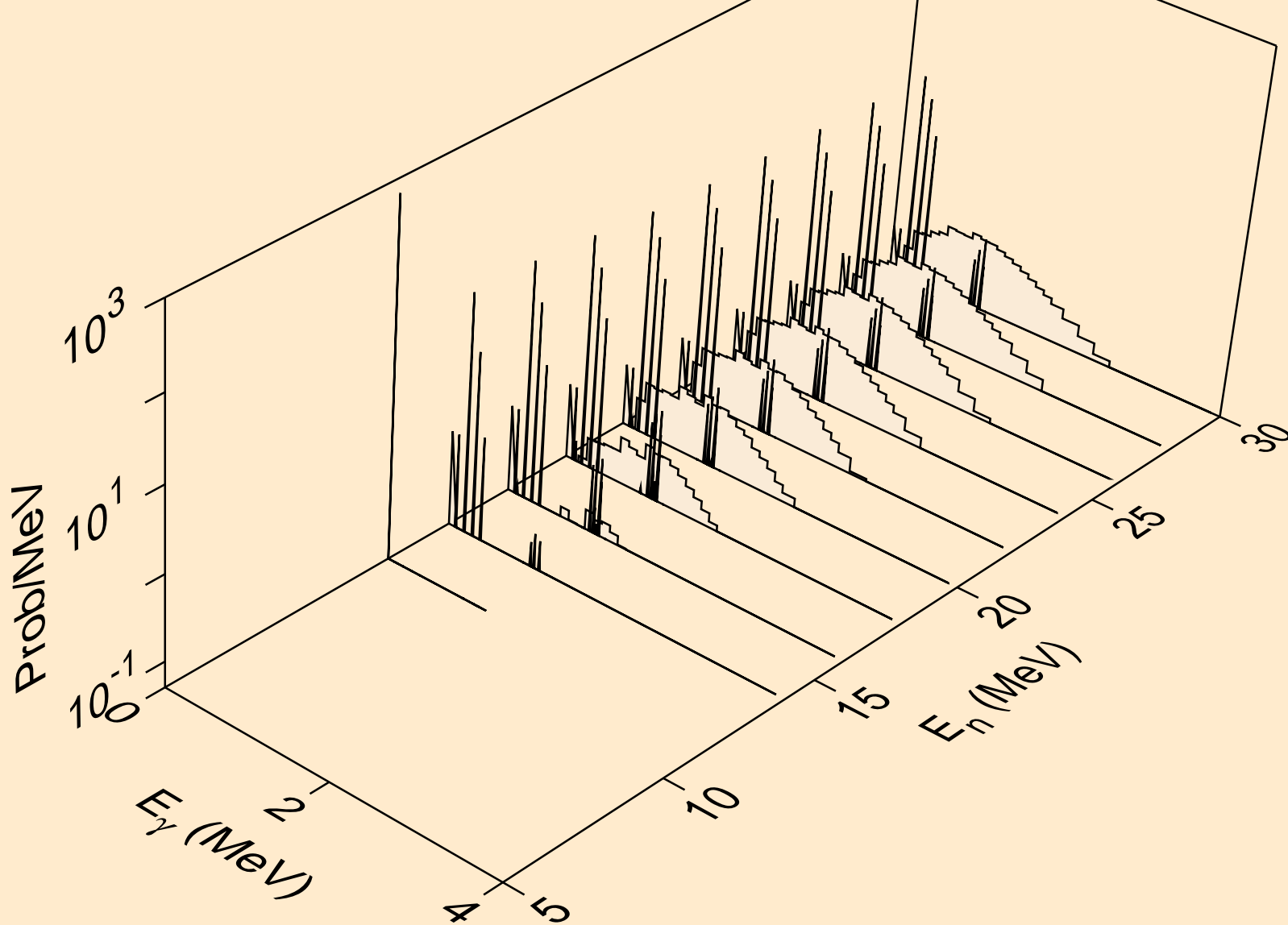
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Photon emission for (n,a)



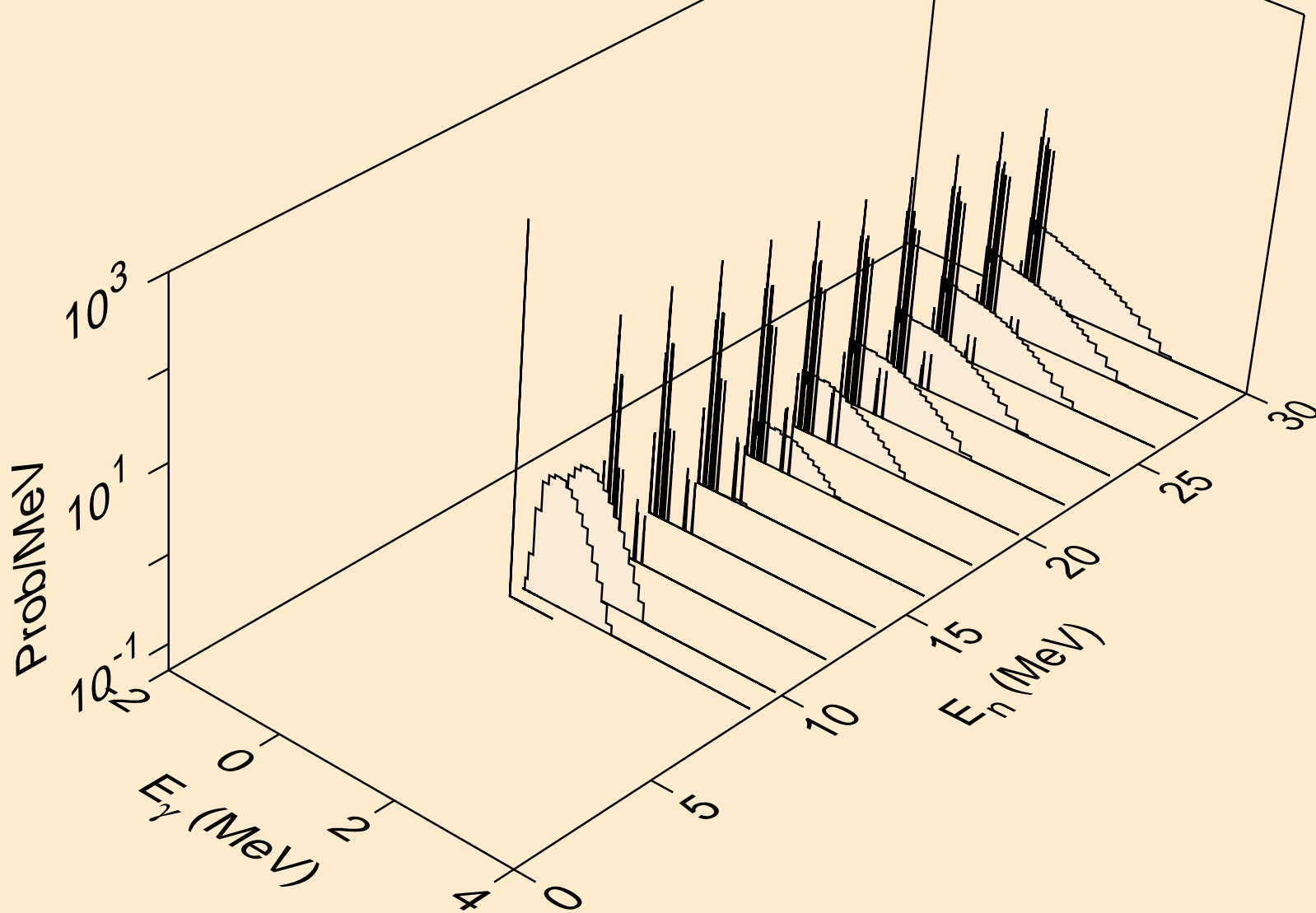
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Photon emission for (n,2a)



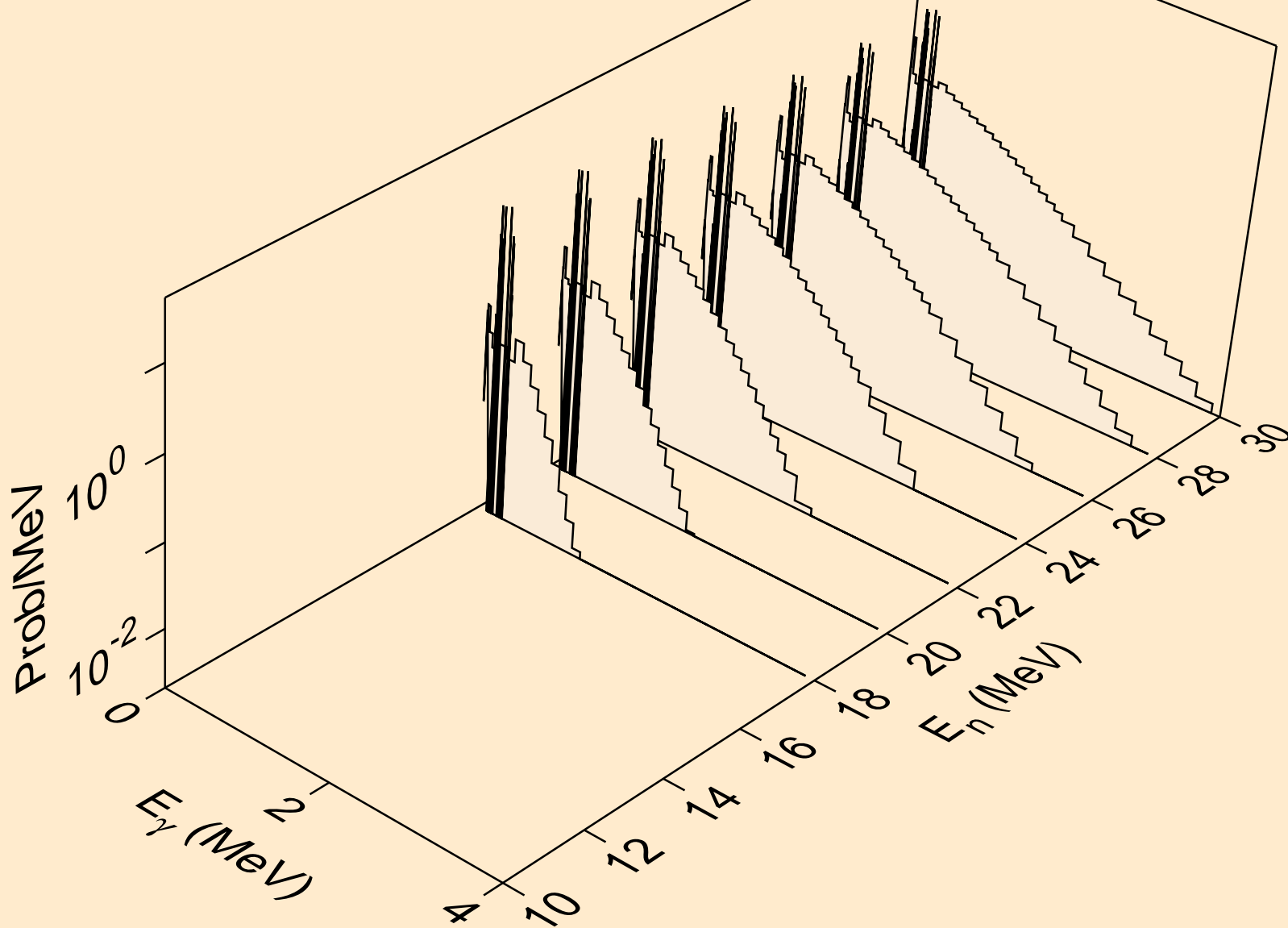
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



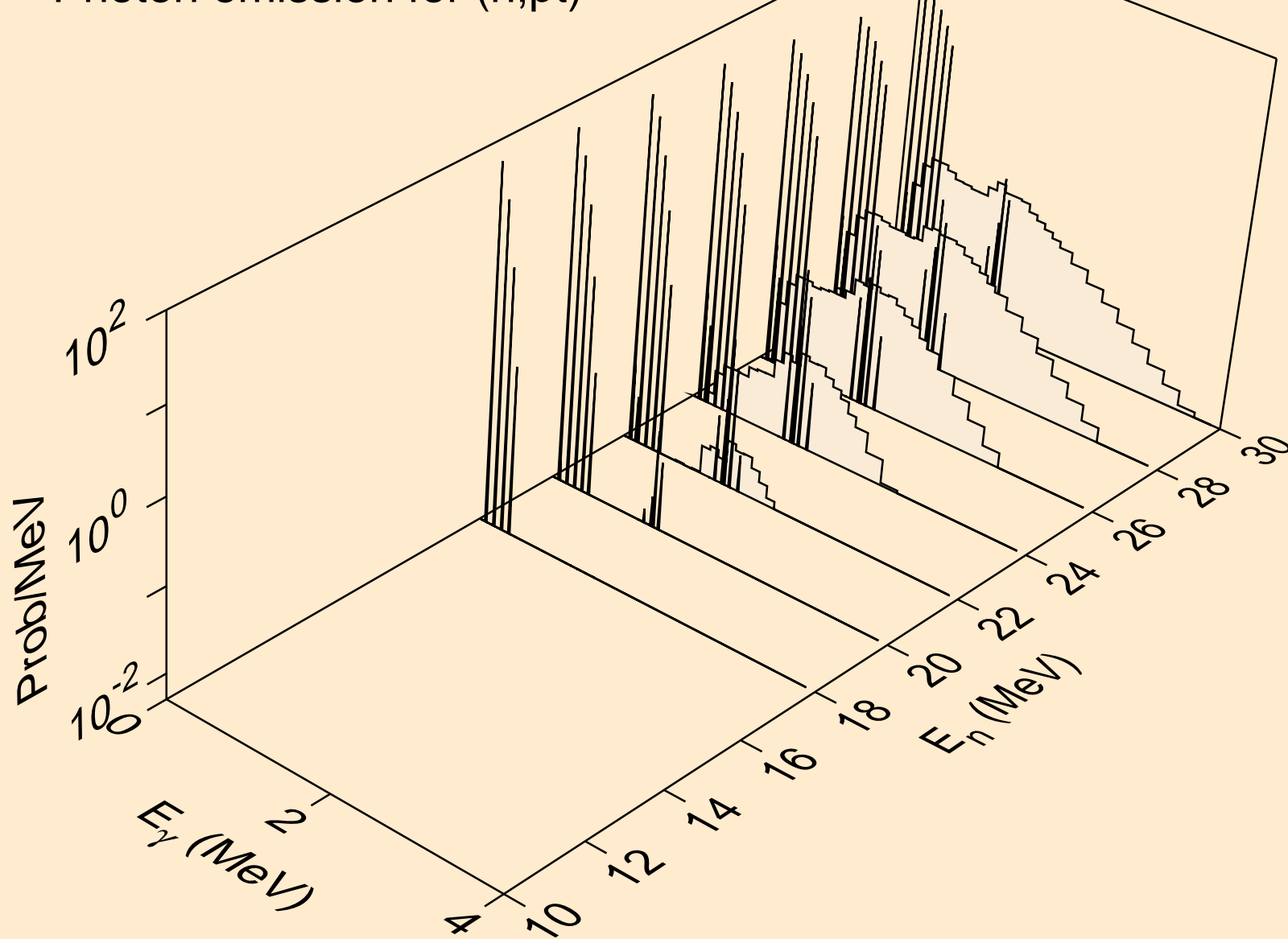
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



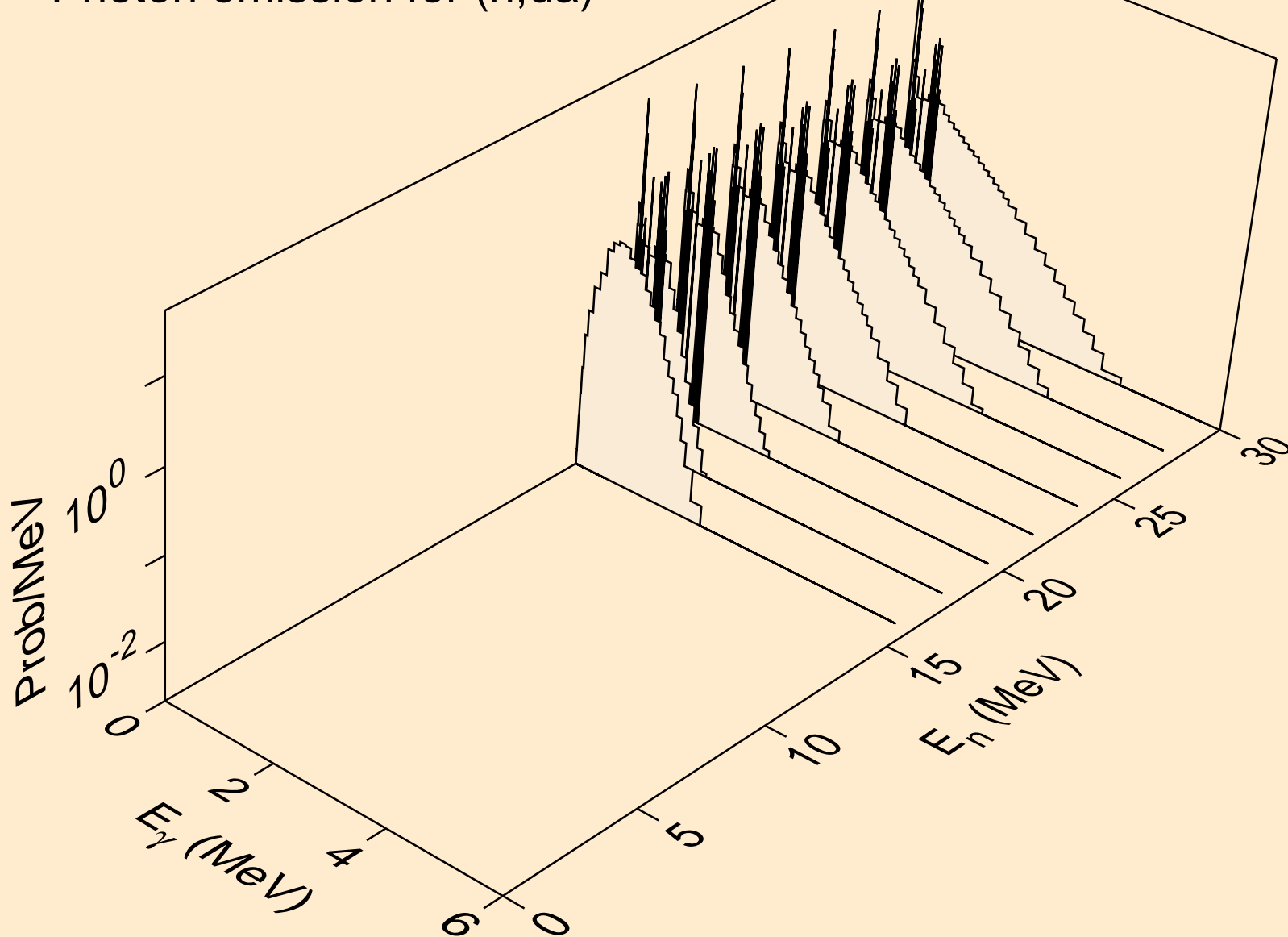
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



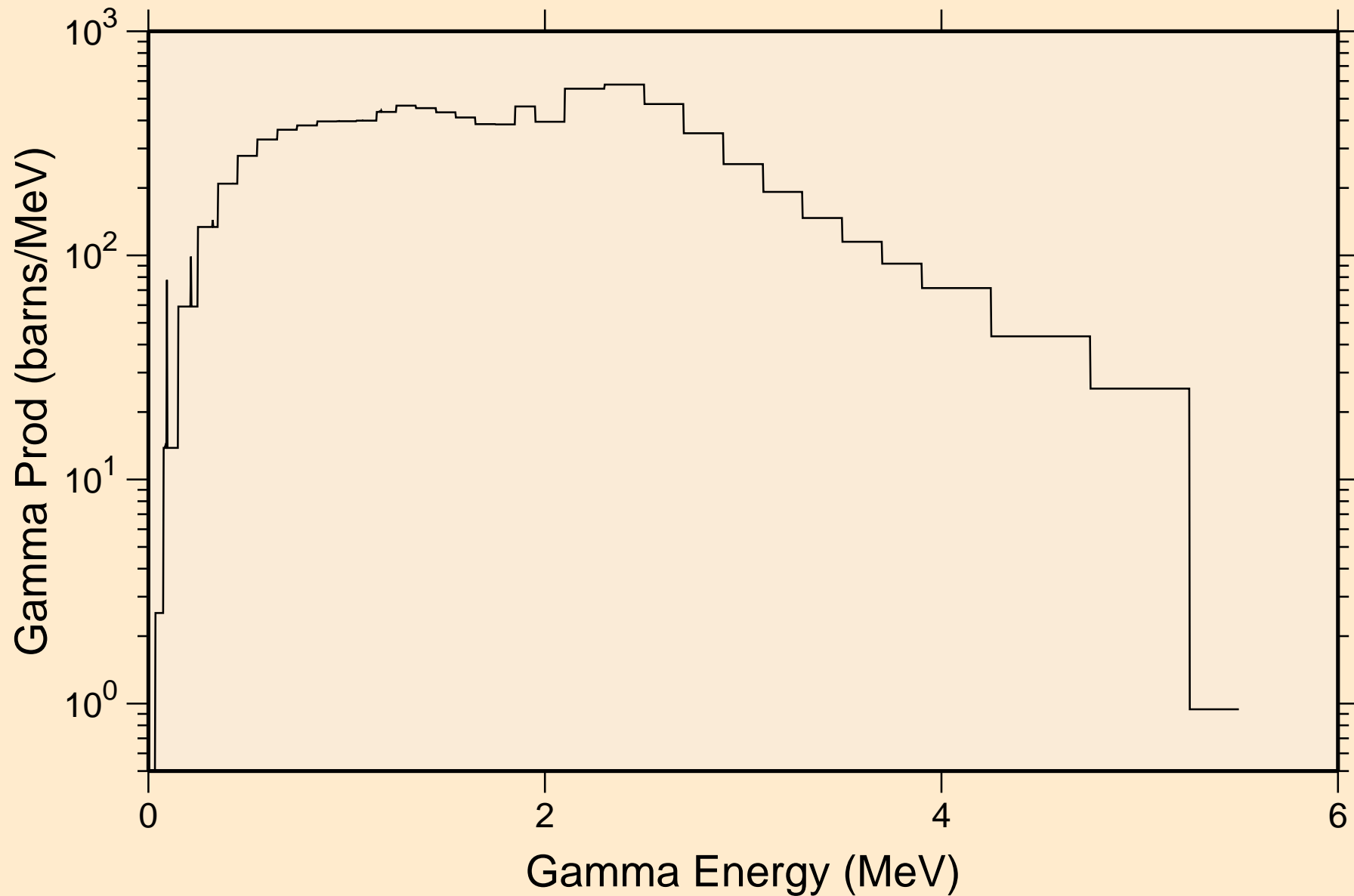
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



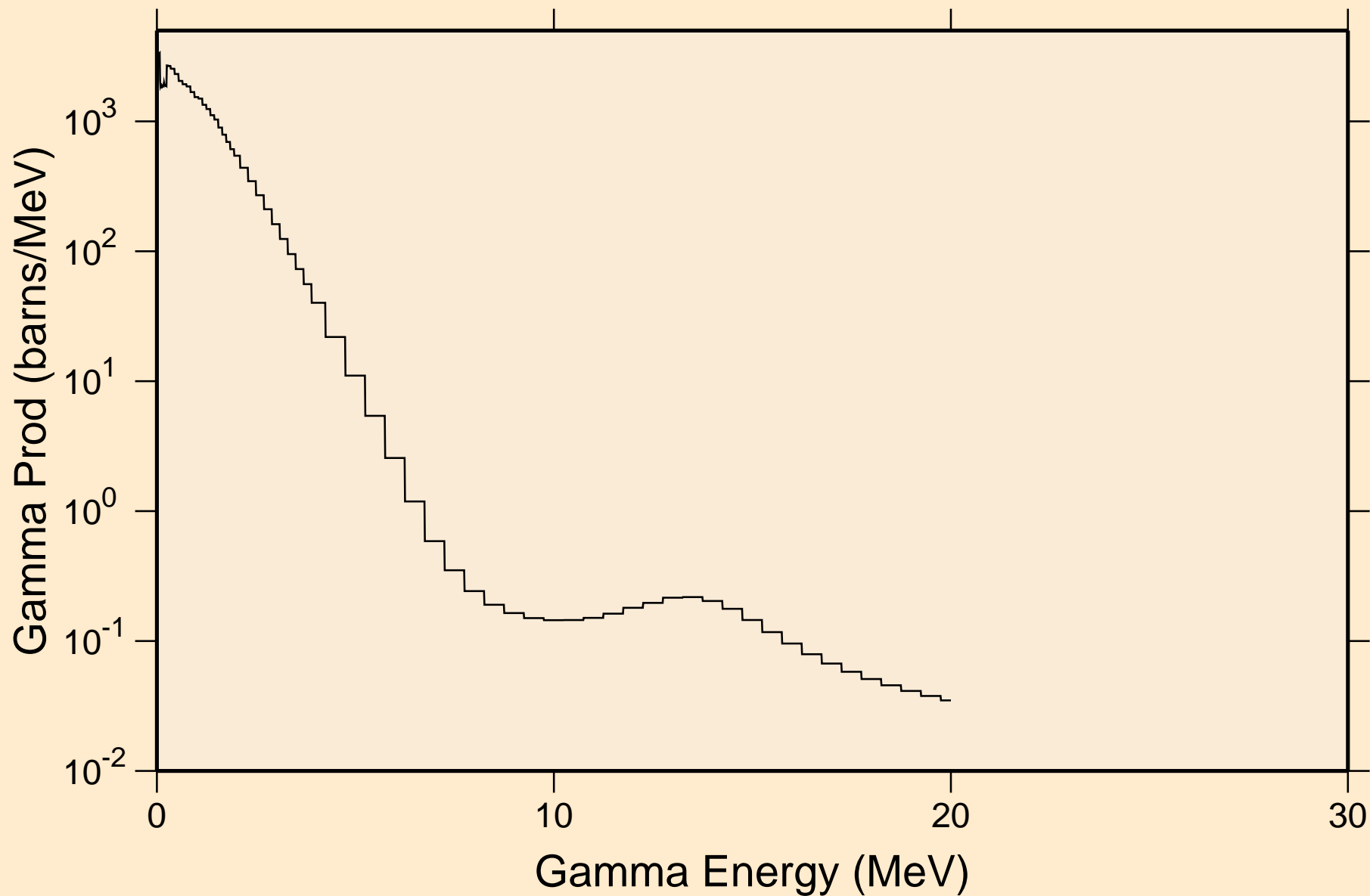
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

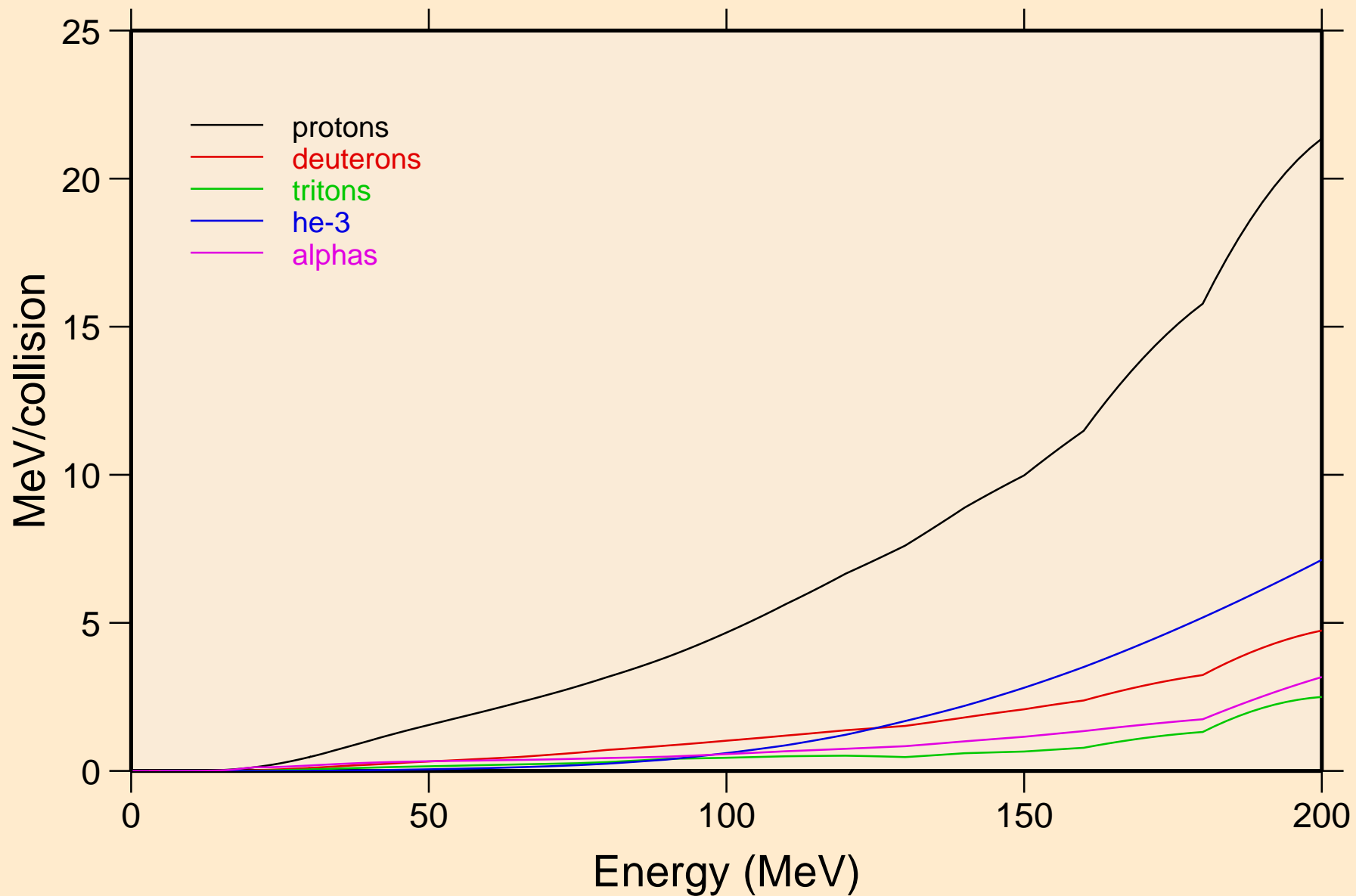


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



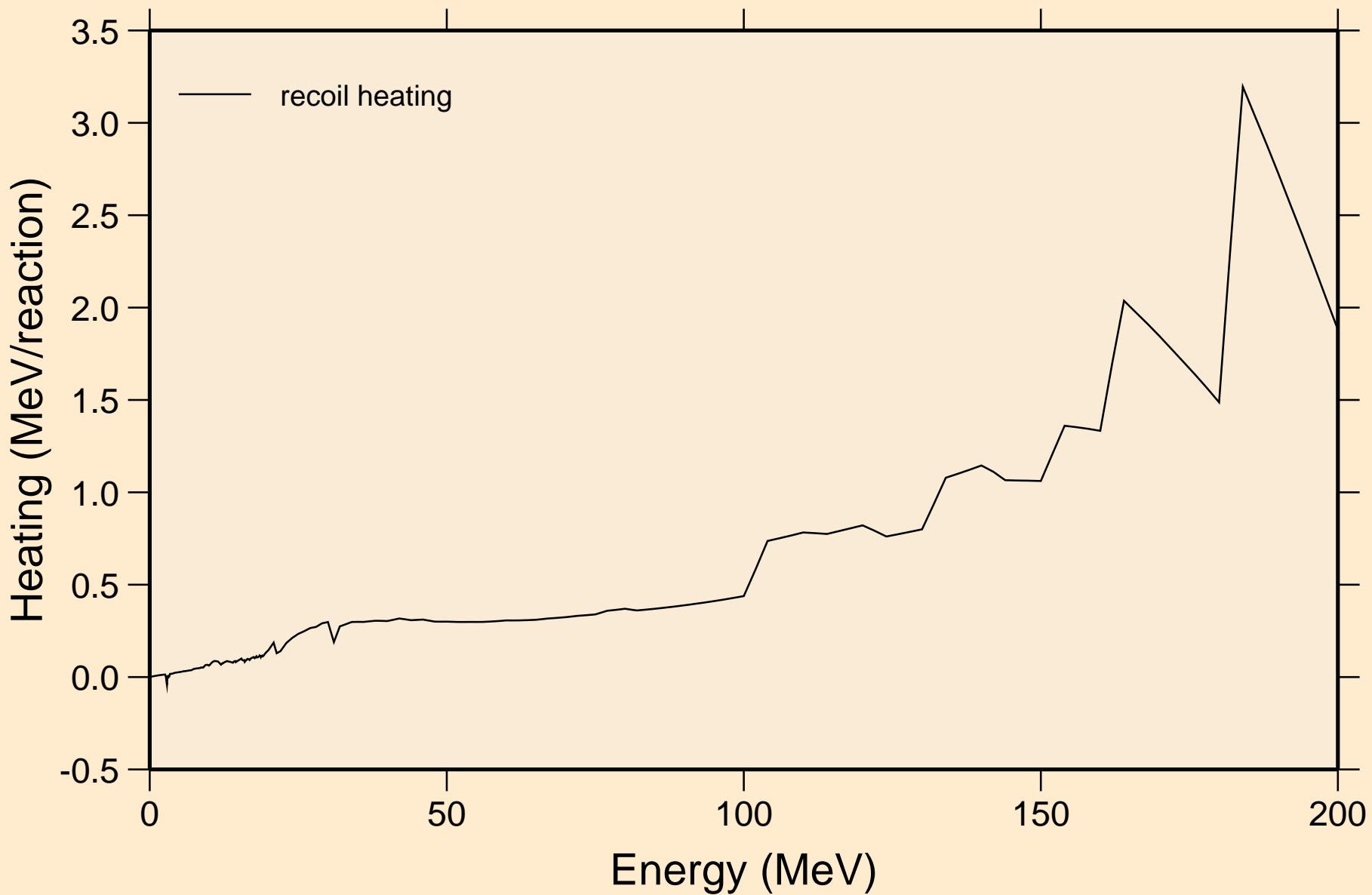
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions



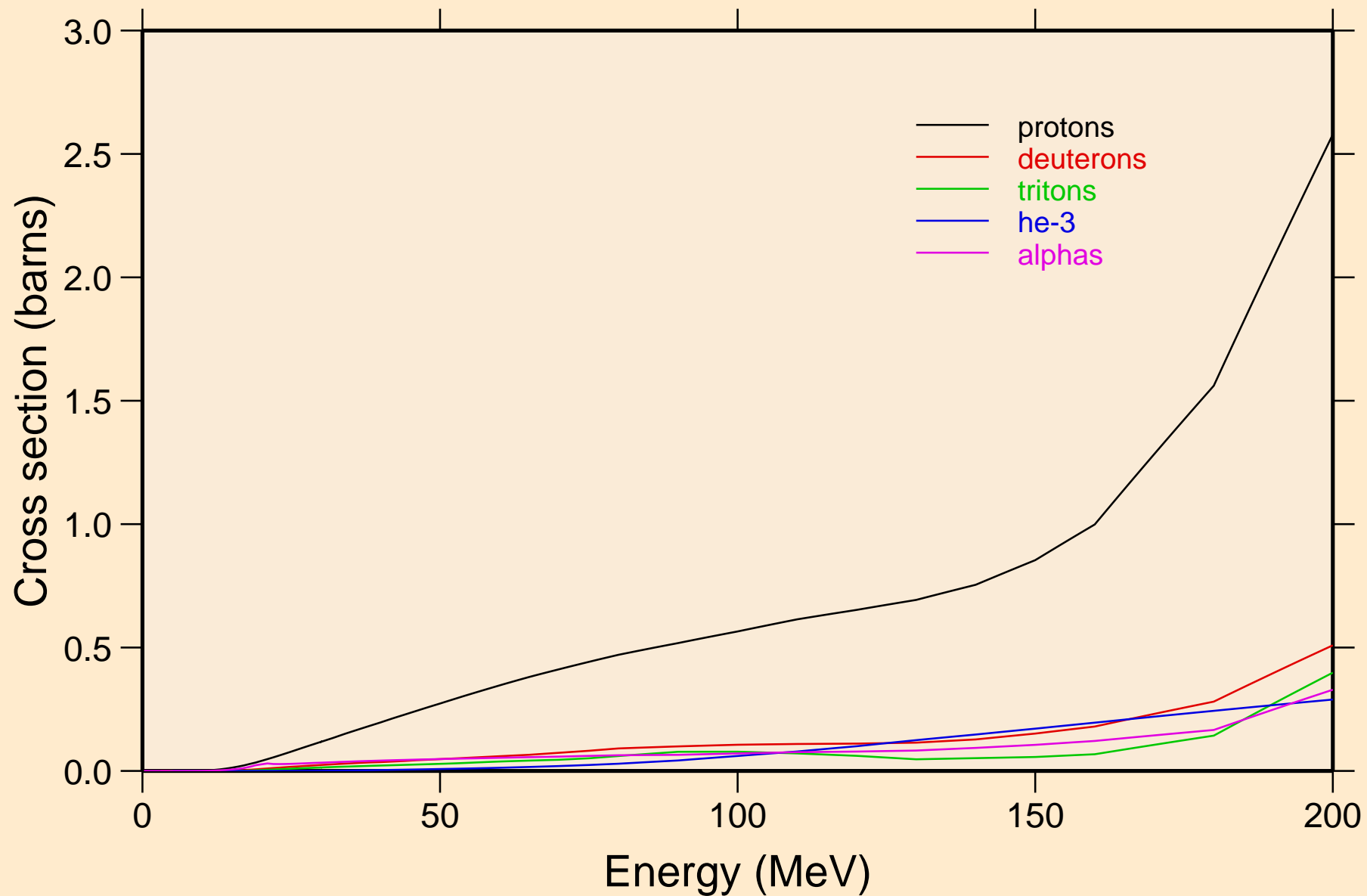
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Recoil Heating

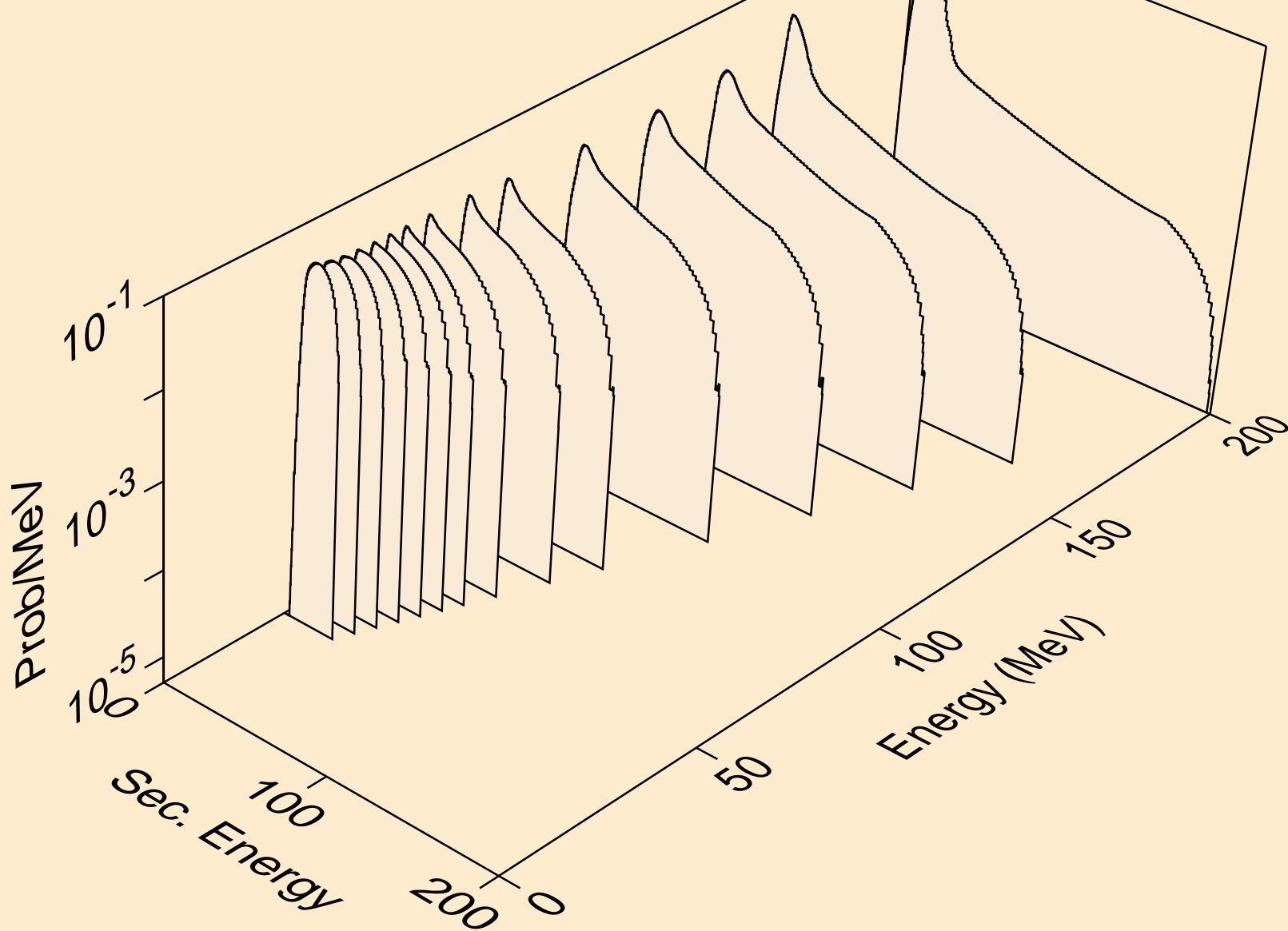


HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

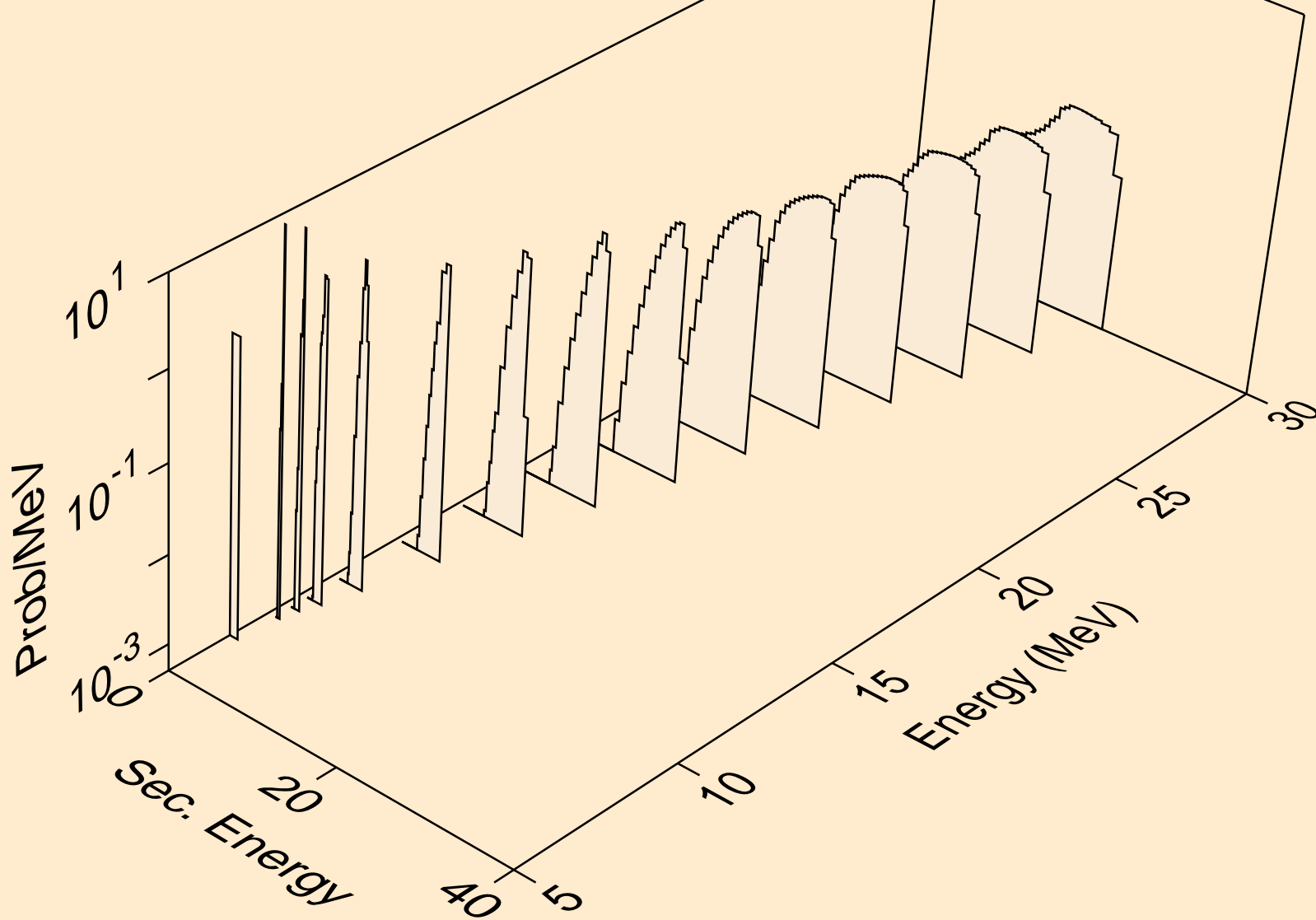
Particle production cross sections



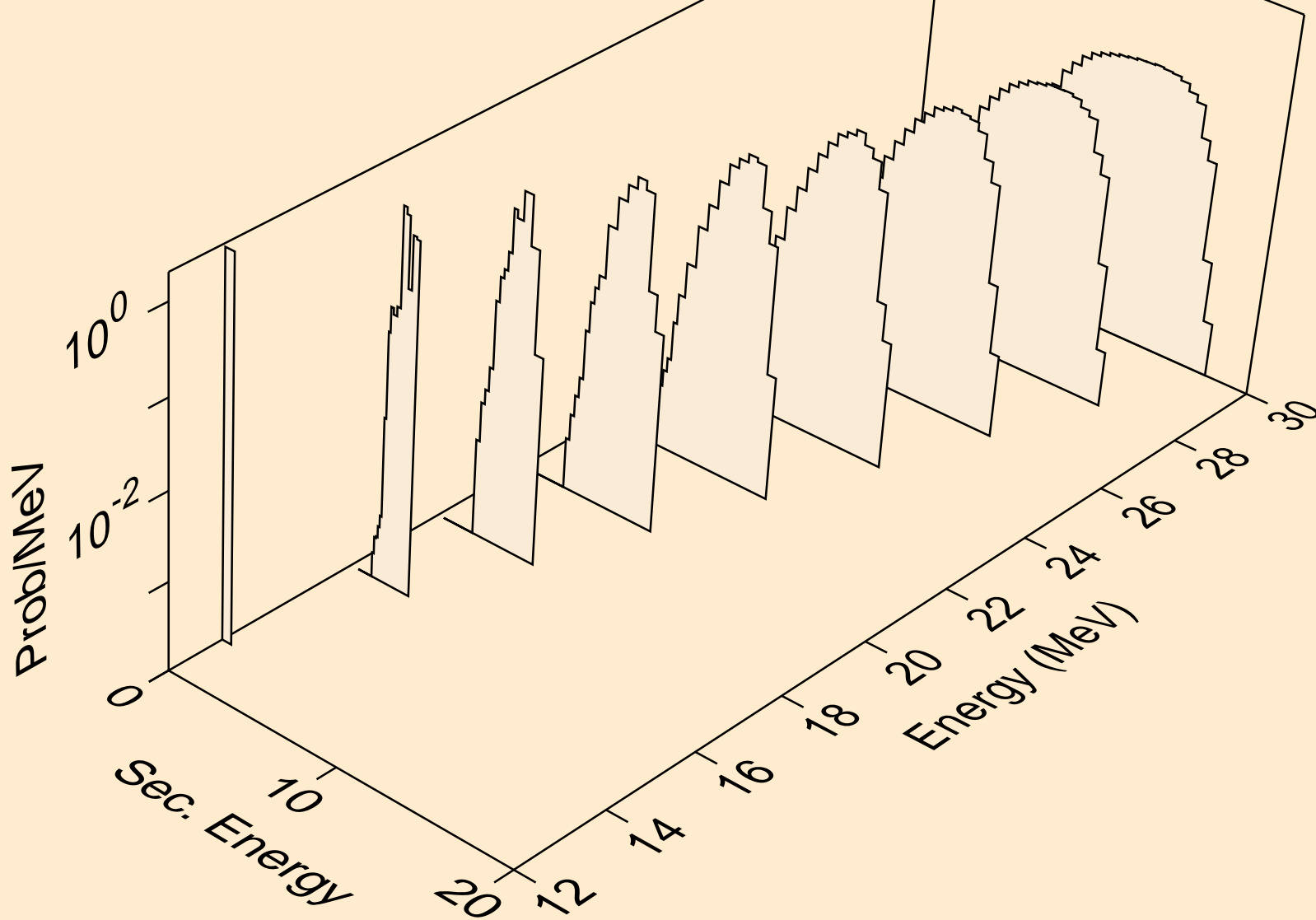
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



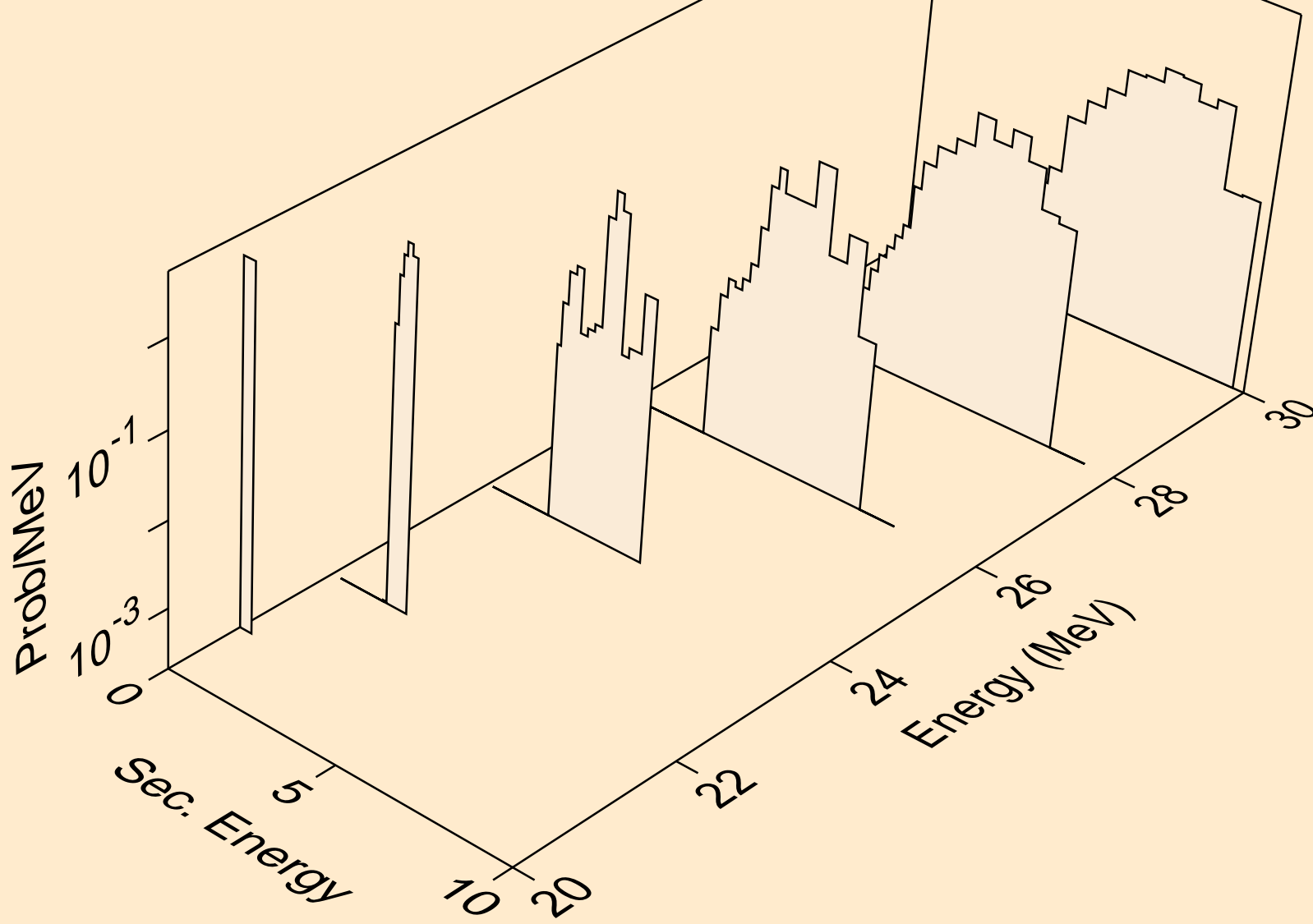
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protons from (n,n*)p



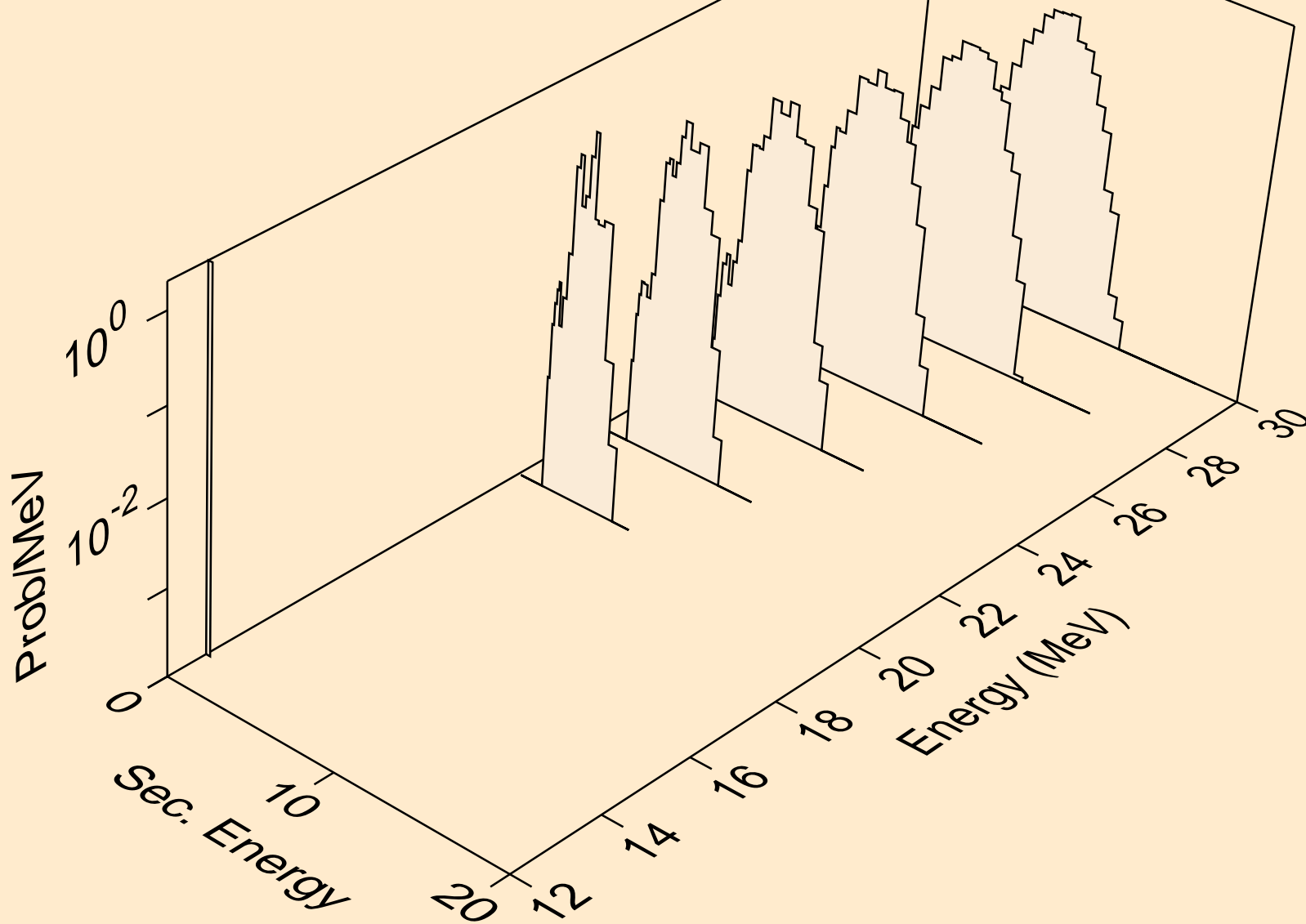
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protons from (n,2np)



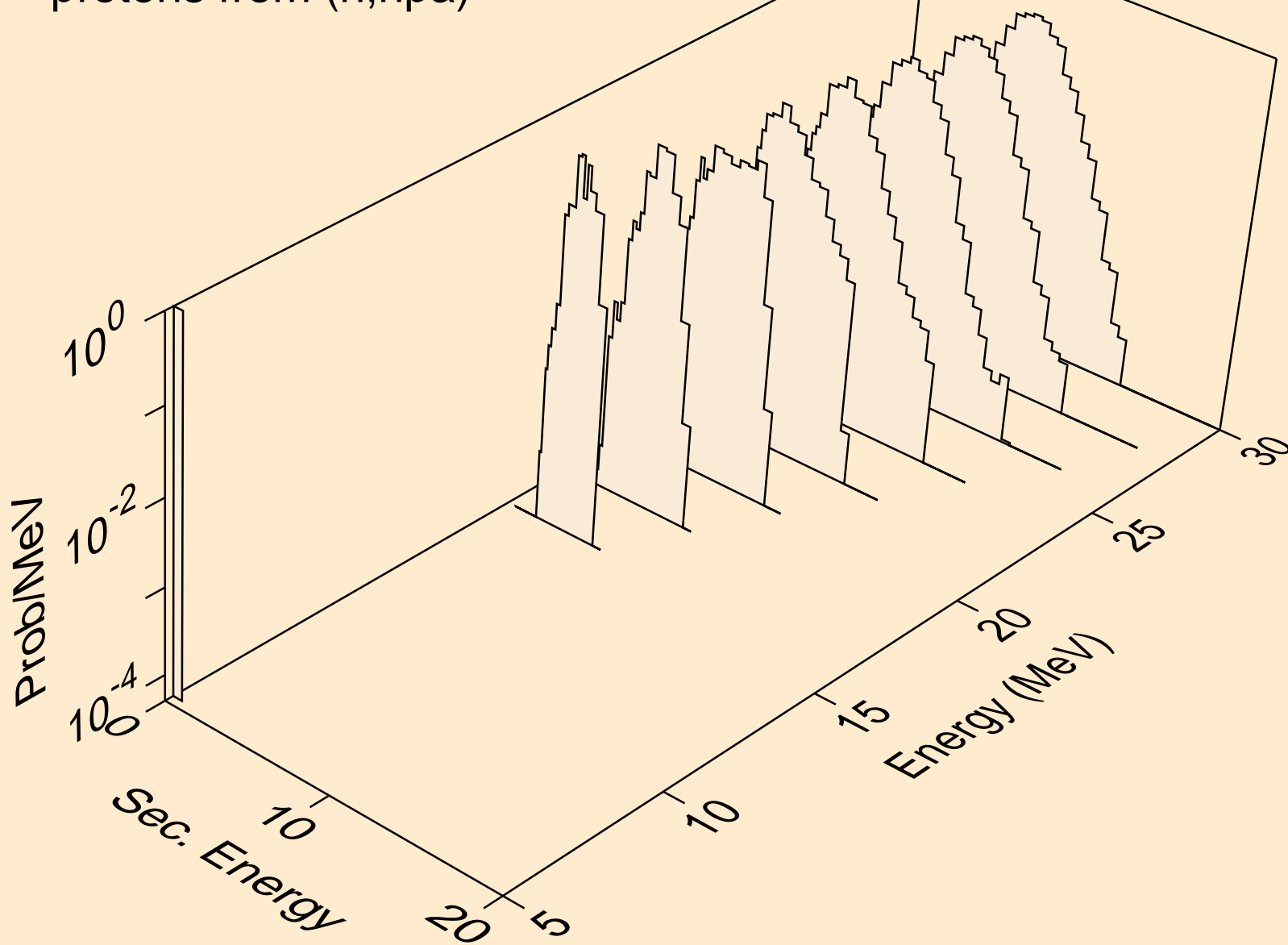
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protons from (n,3np)



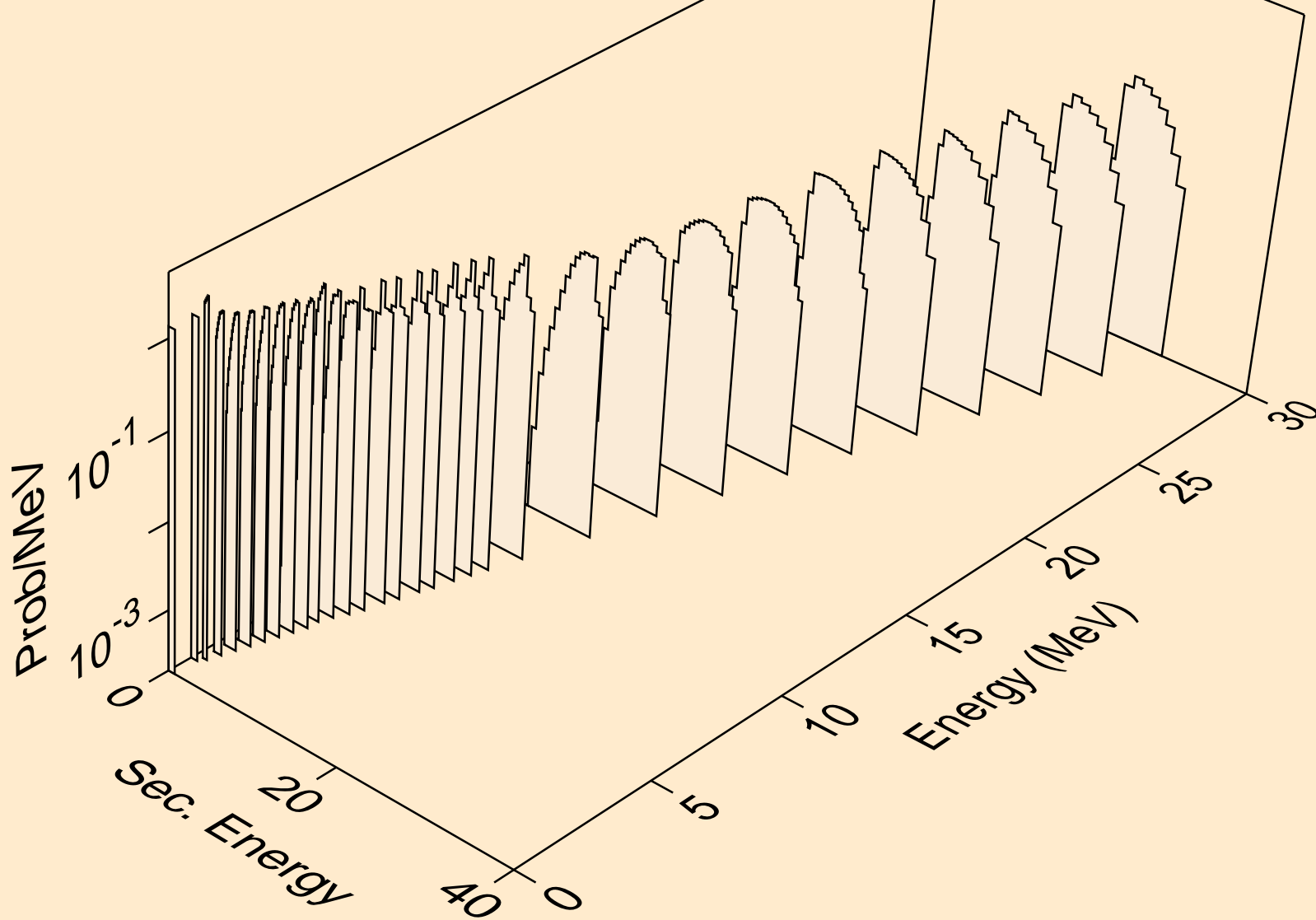
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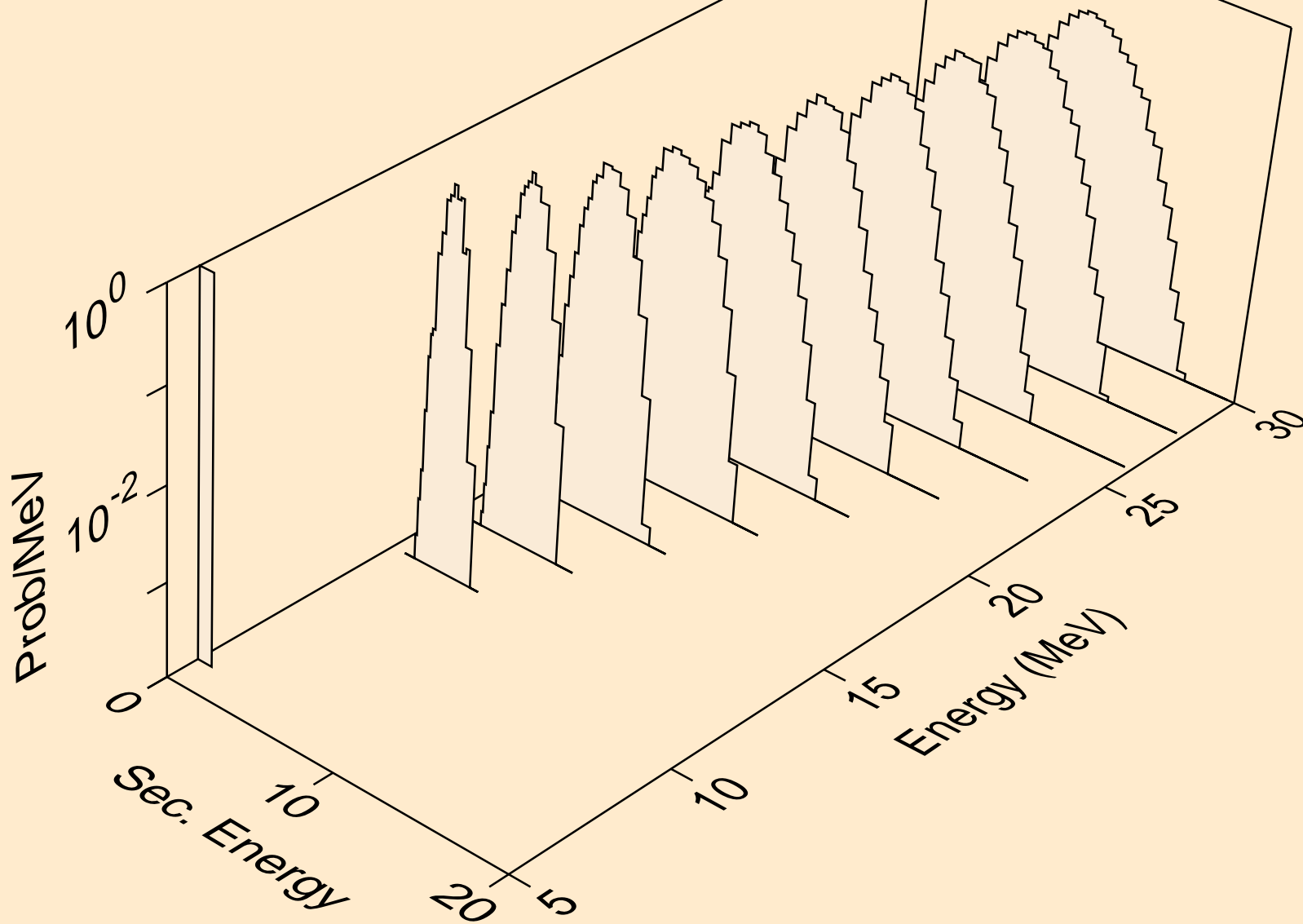
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protons from (n,npa)



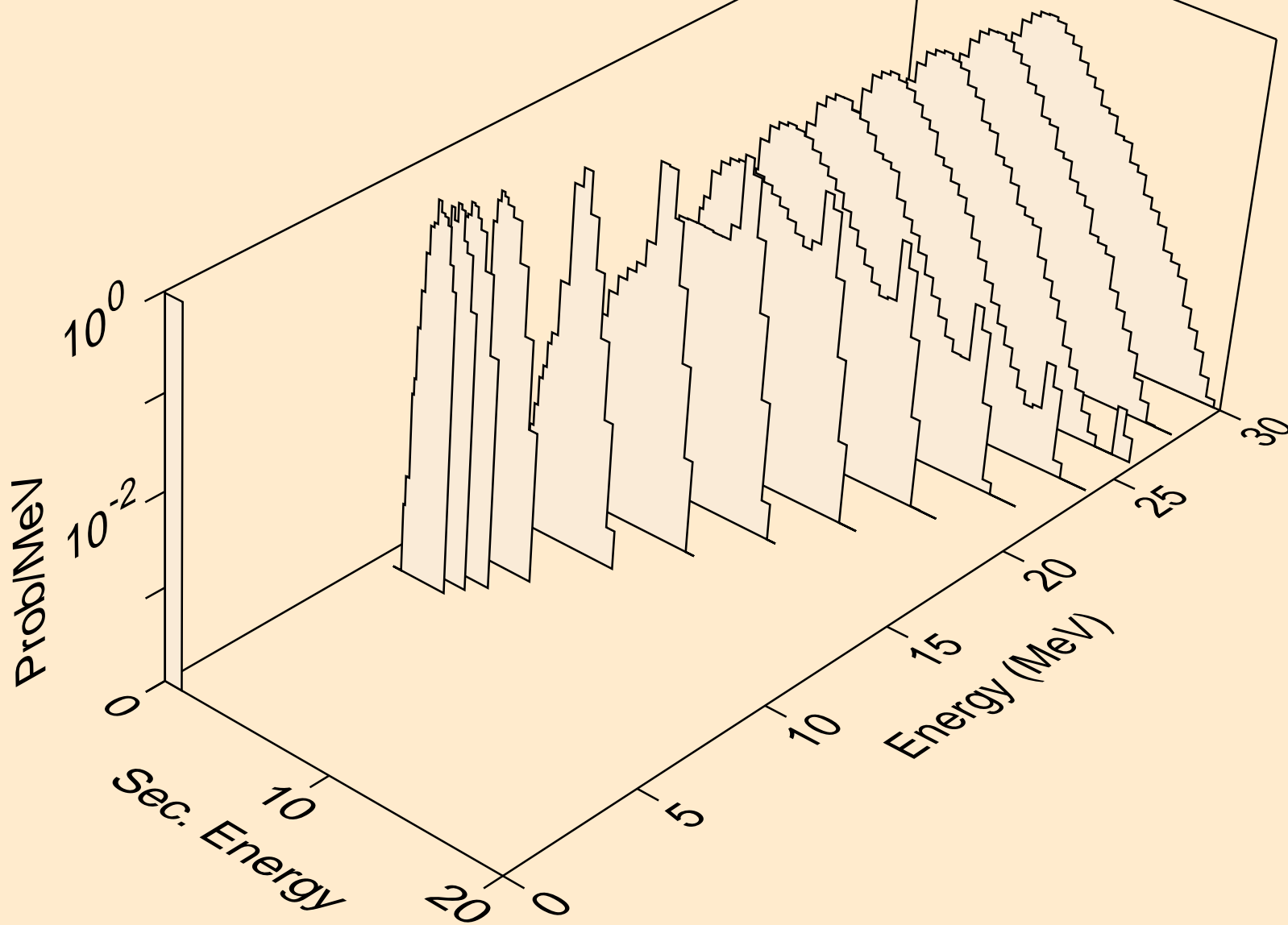
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protons from (n,p)



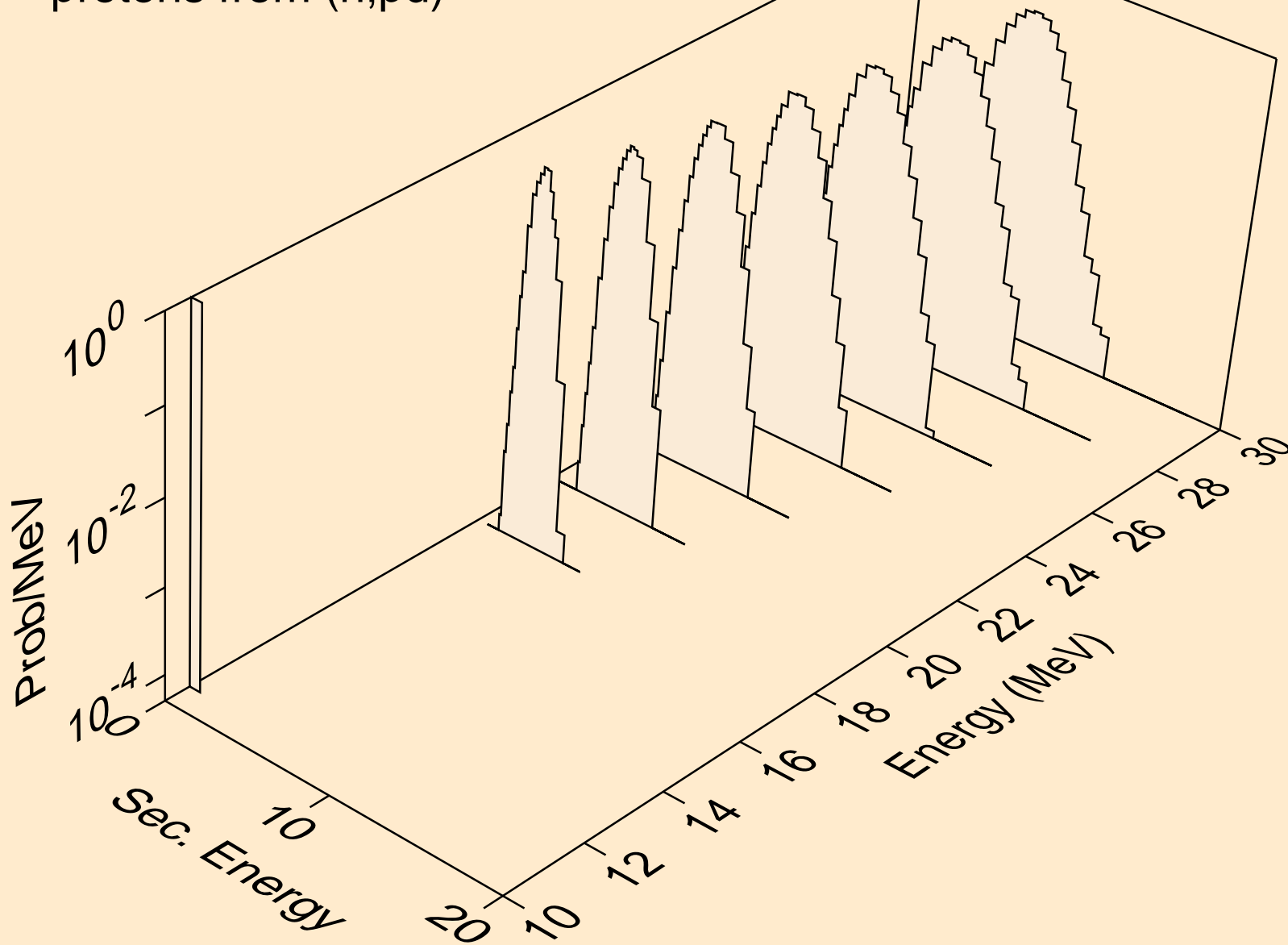
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protons from (n,2p)



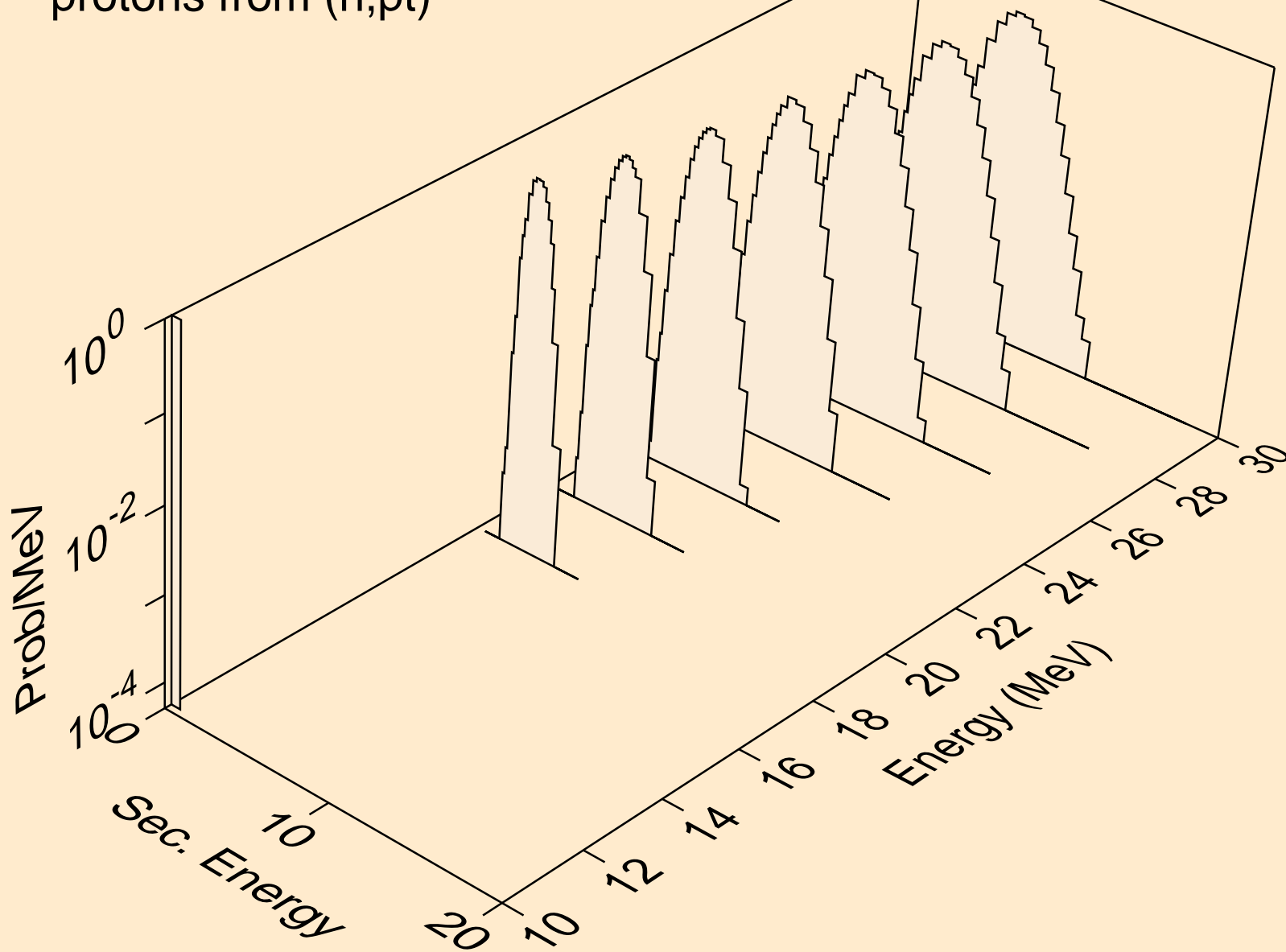
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protons from (n,p)



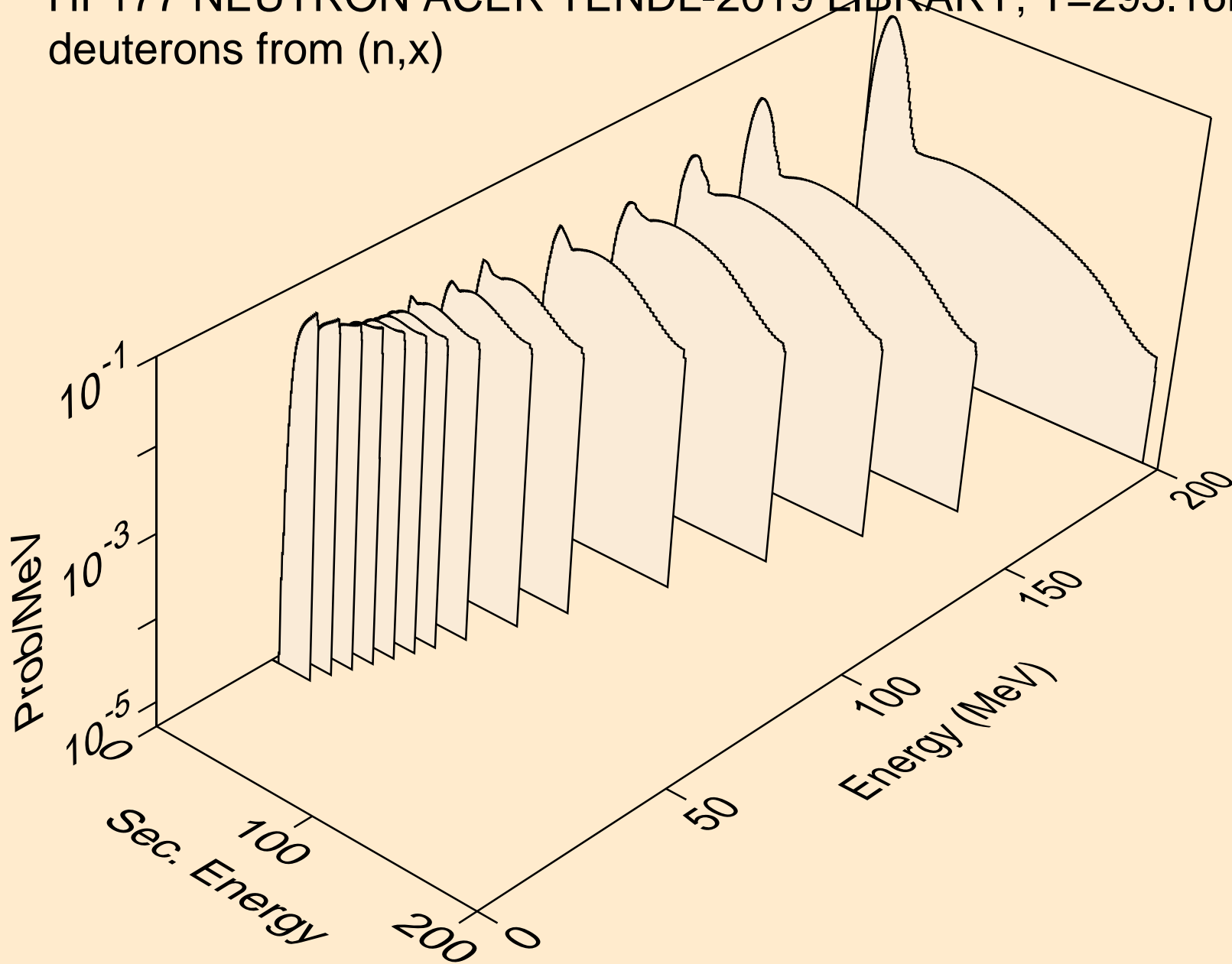
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protons from (n,pd)



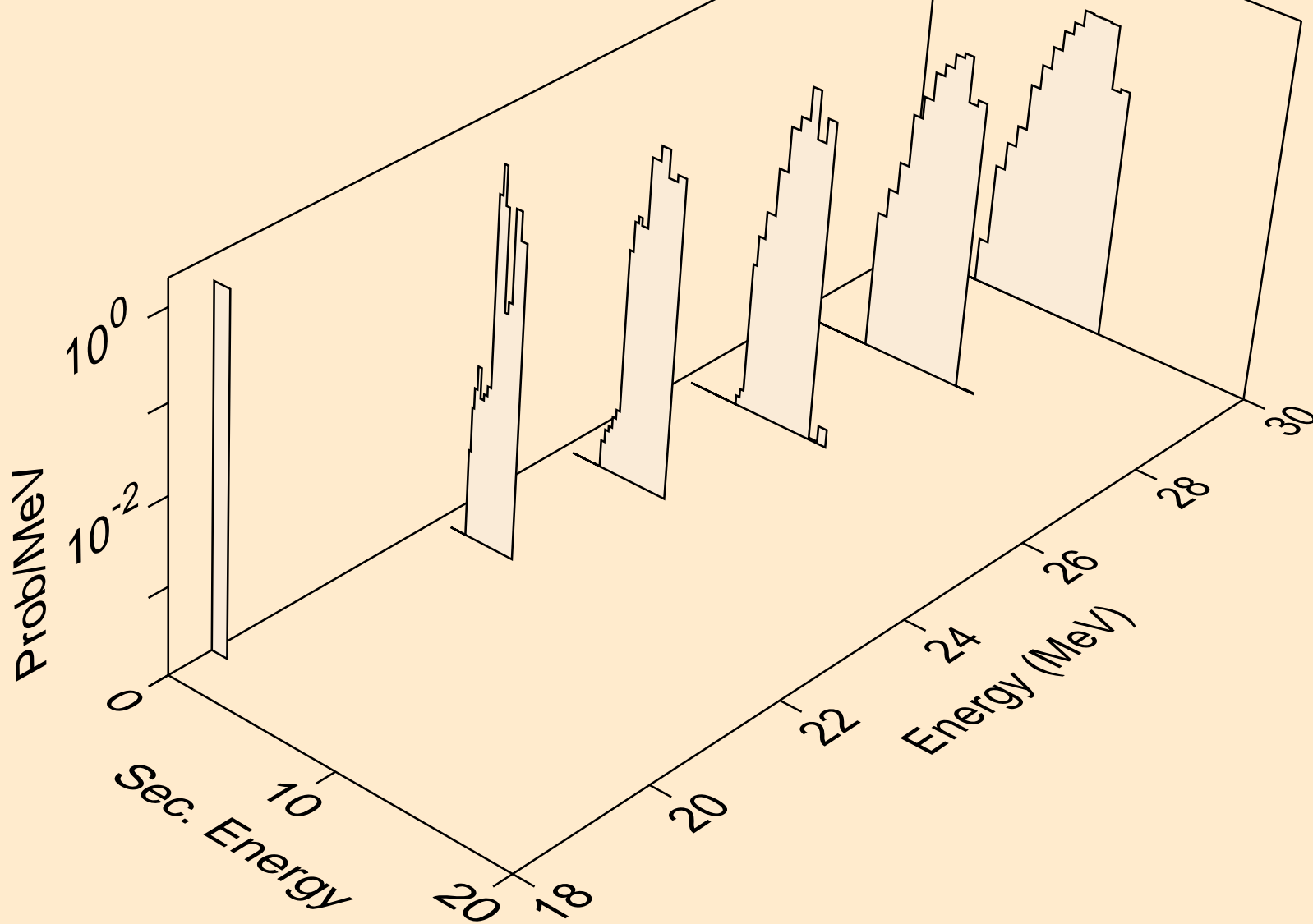
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protons from (n,pt)



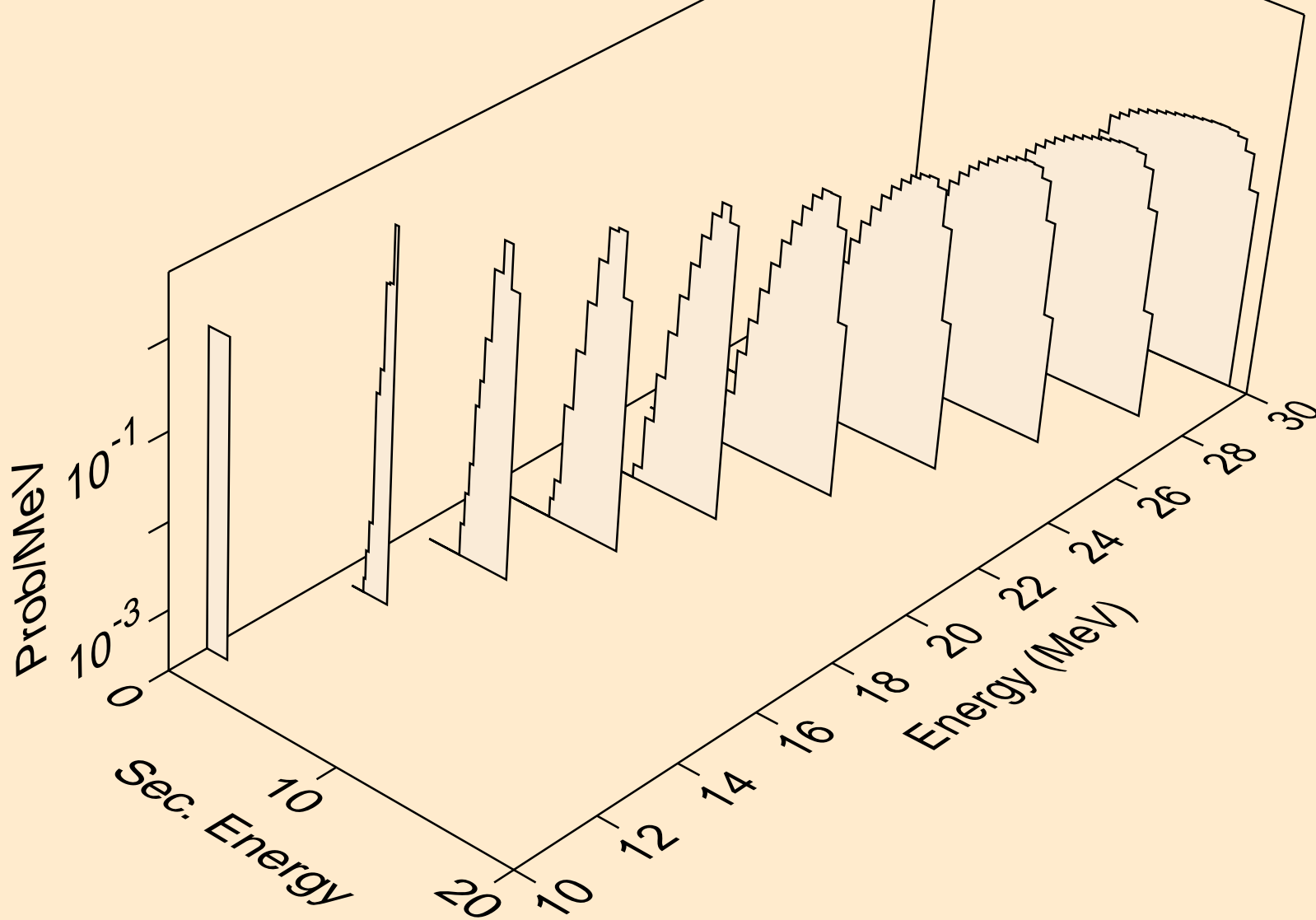
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deuterons from (n,x)



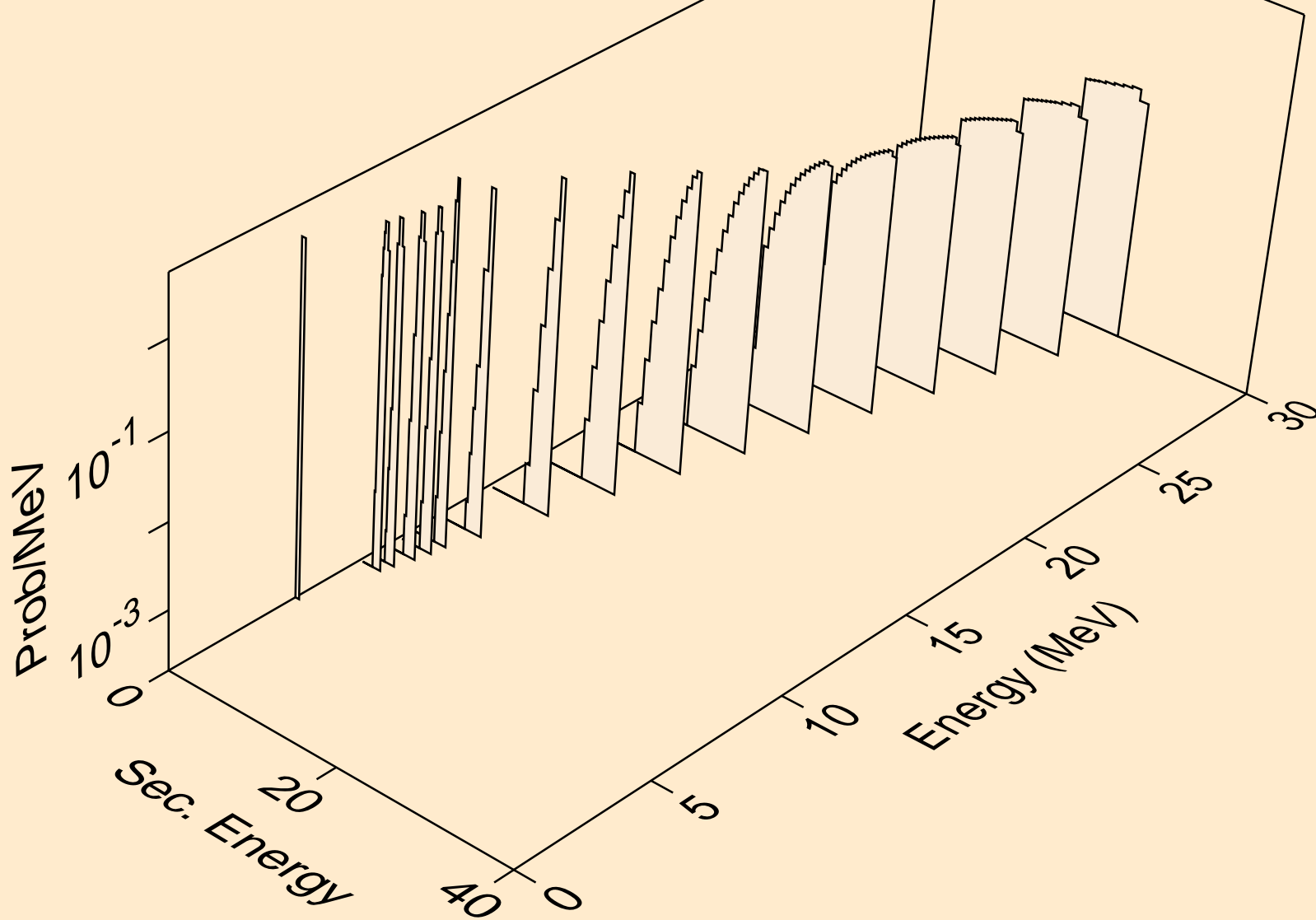
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deuterons from (n,2nd)



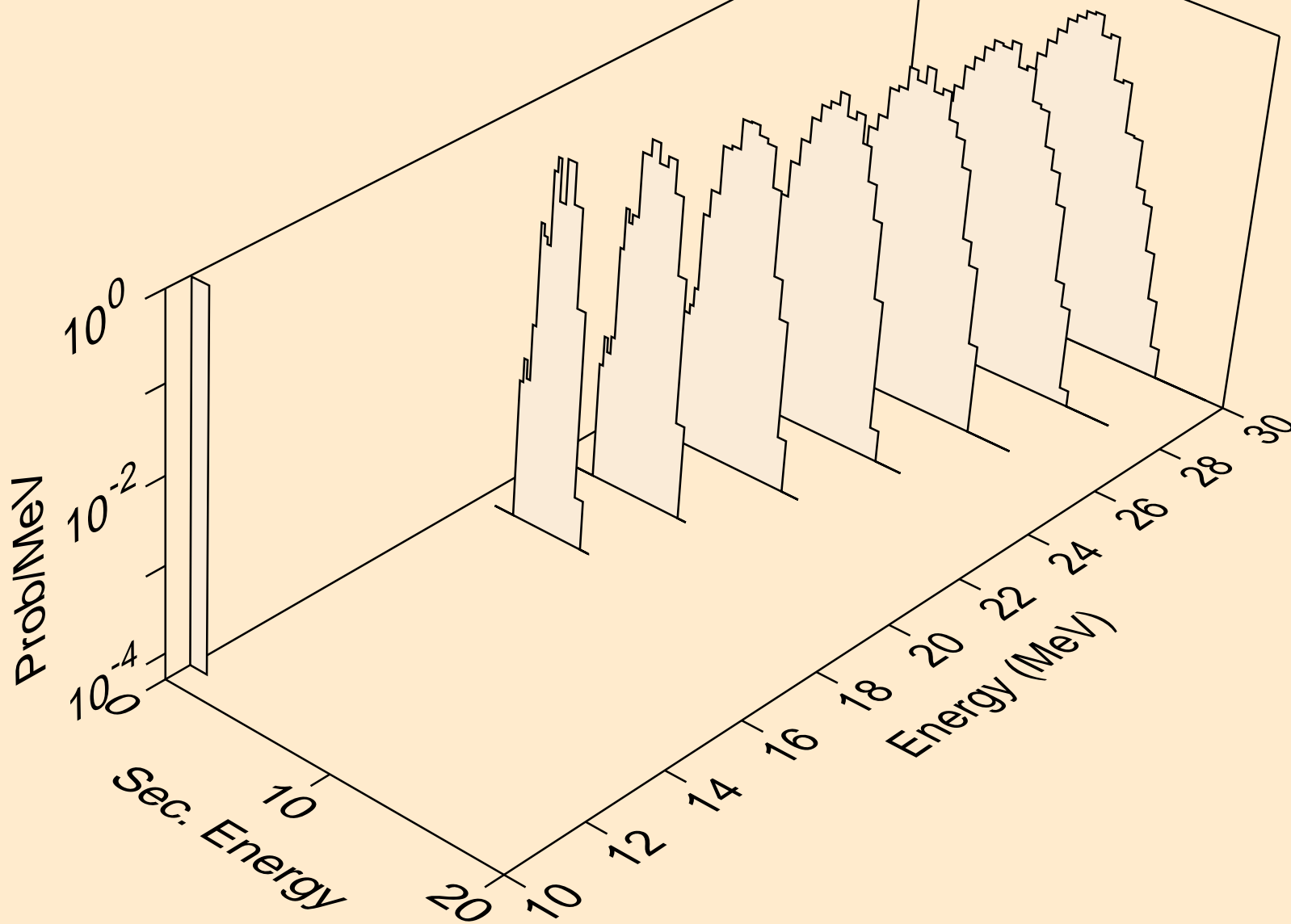
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deuterons from (n,n*)d



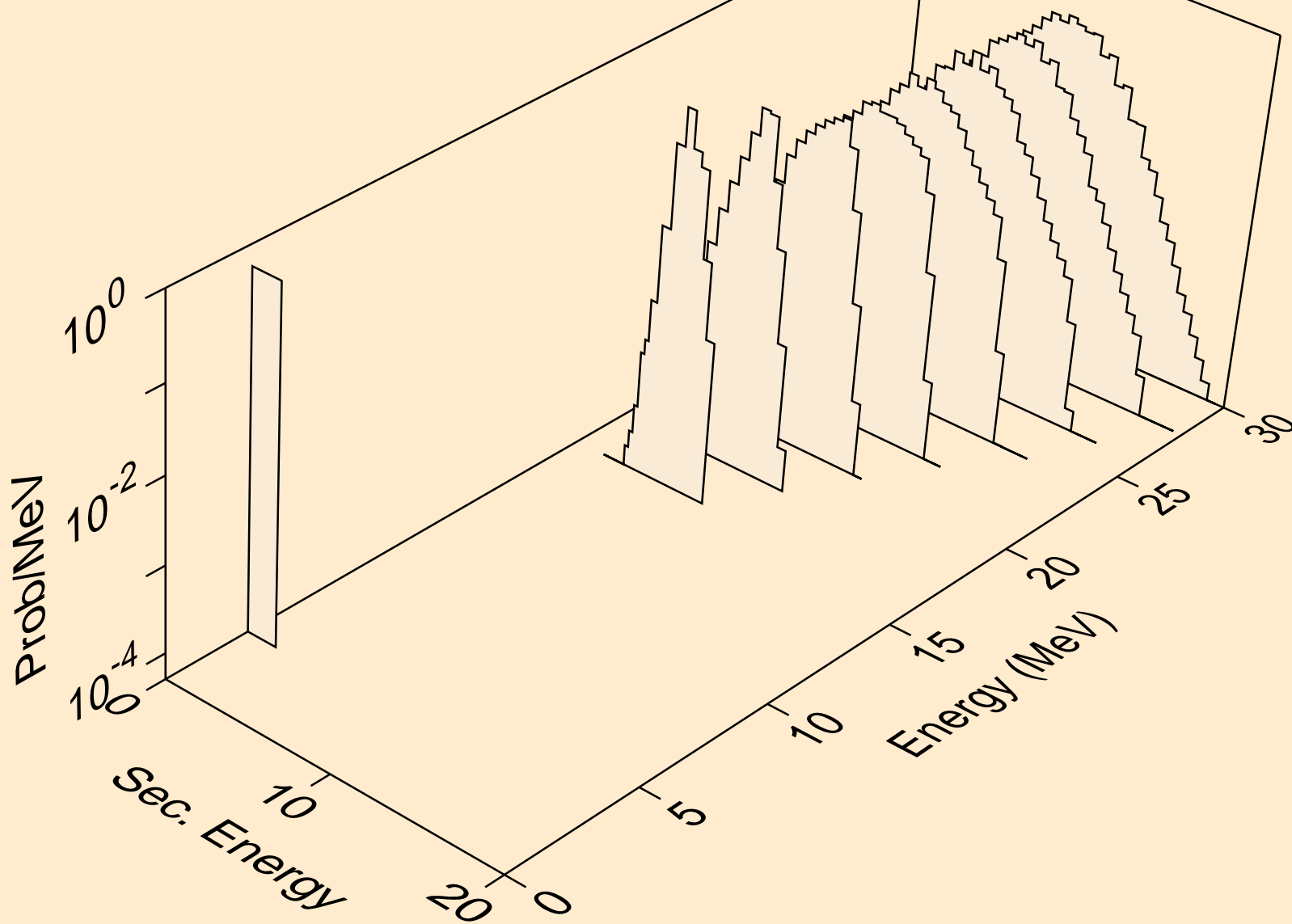
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deuterons from (n,d)



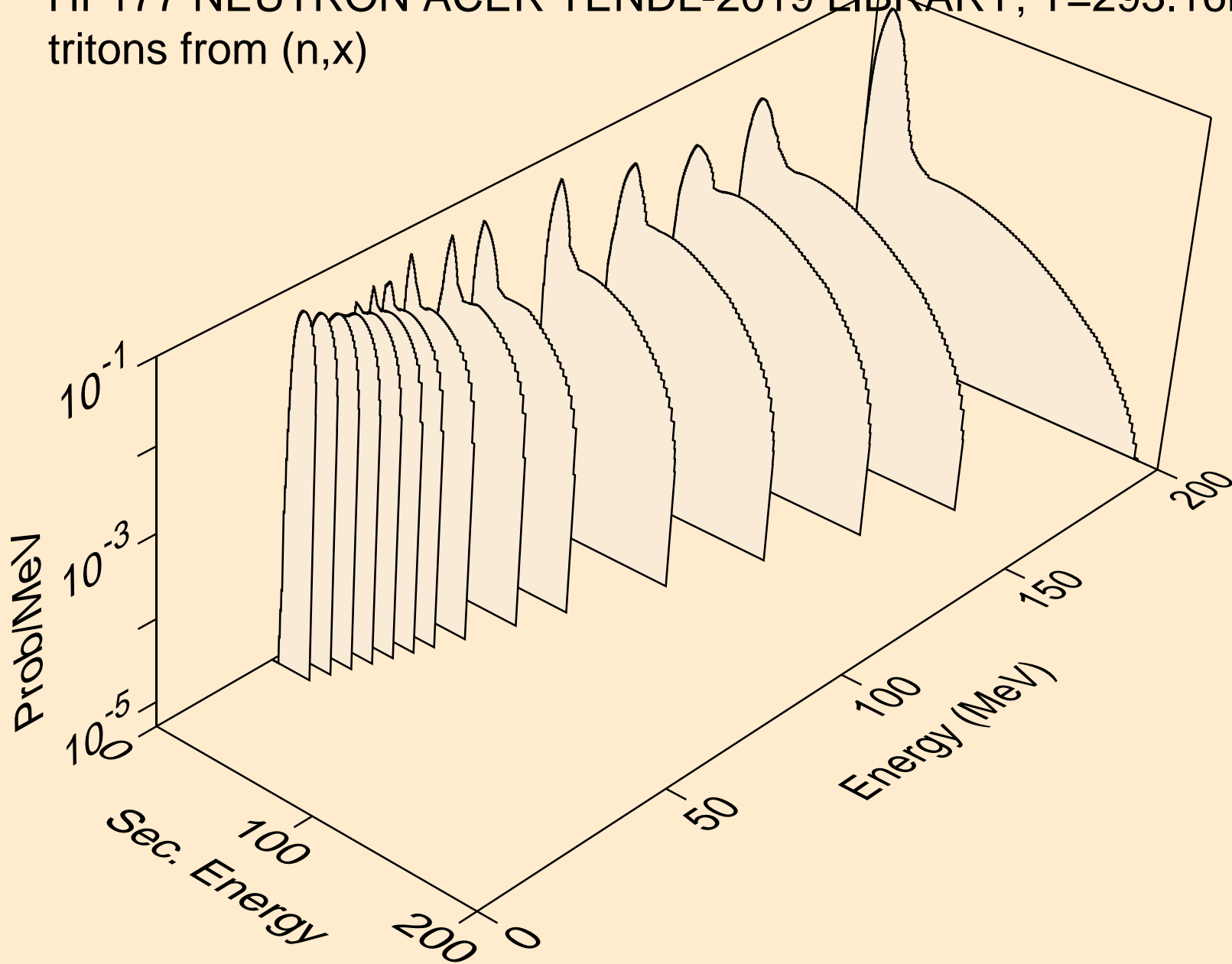
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



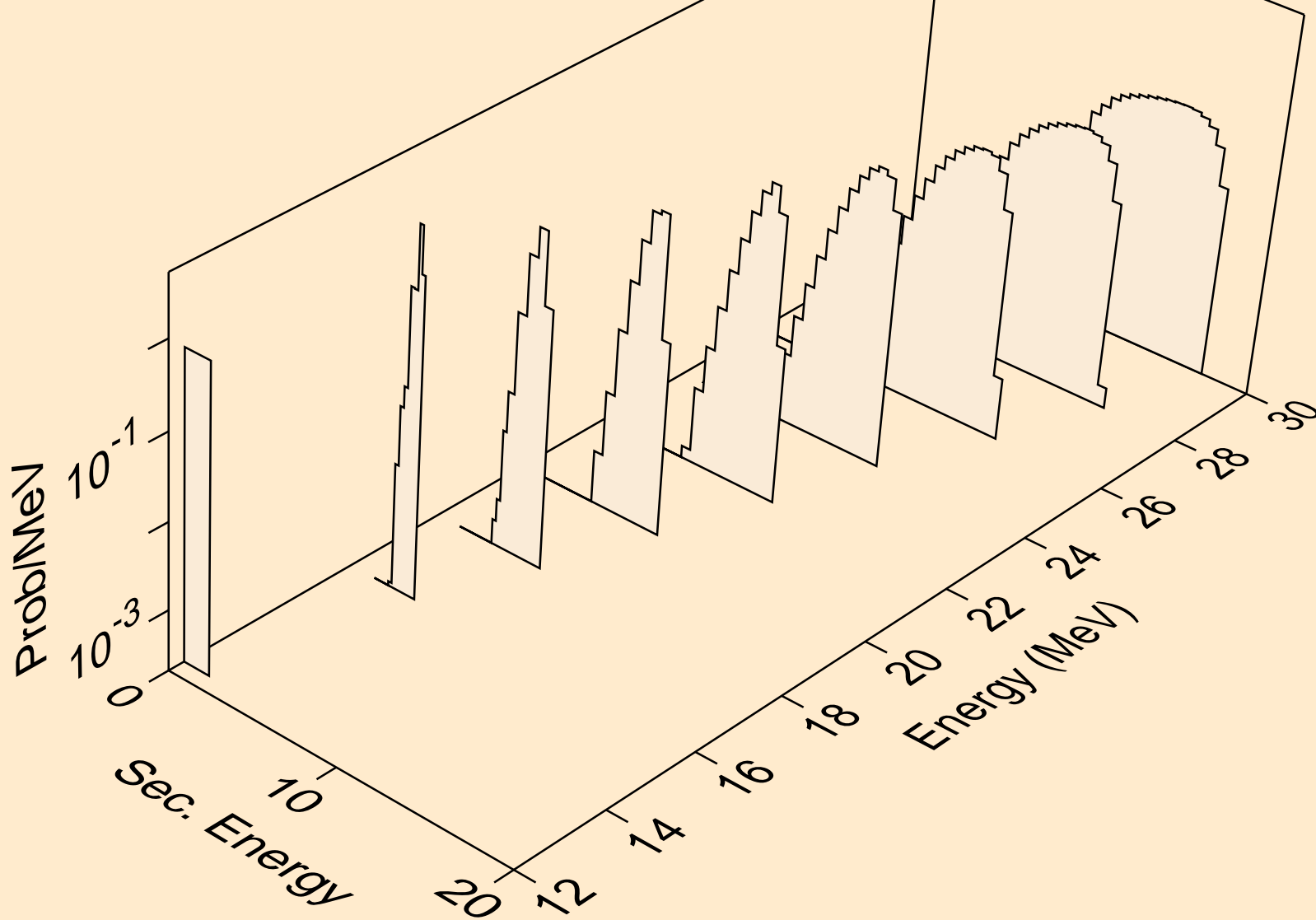
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deuterons from (n,da)



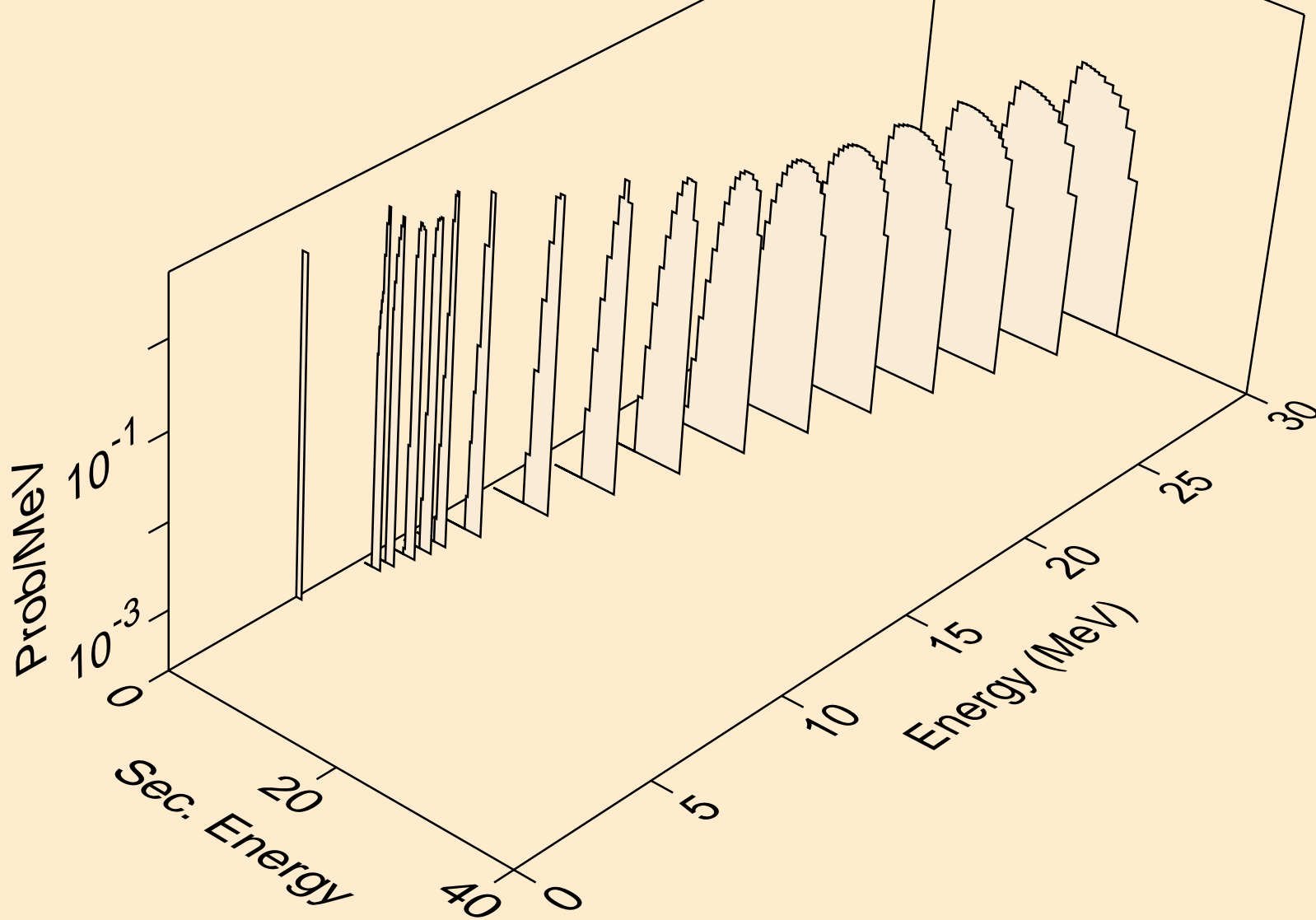
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



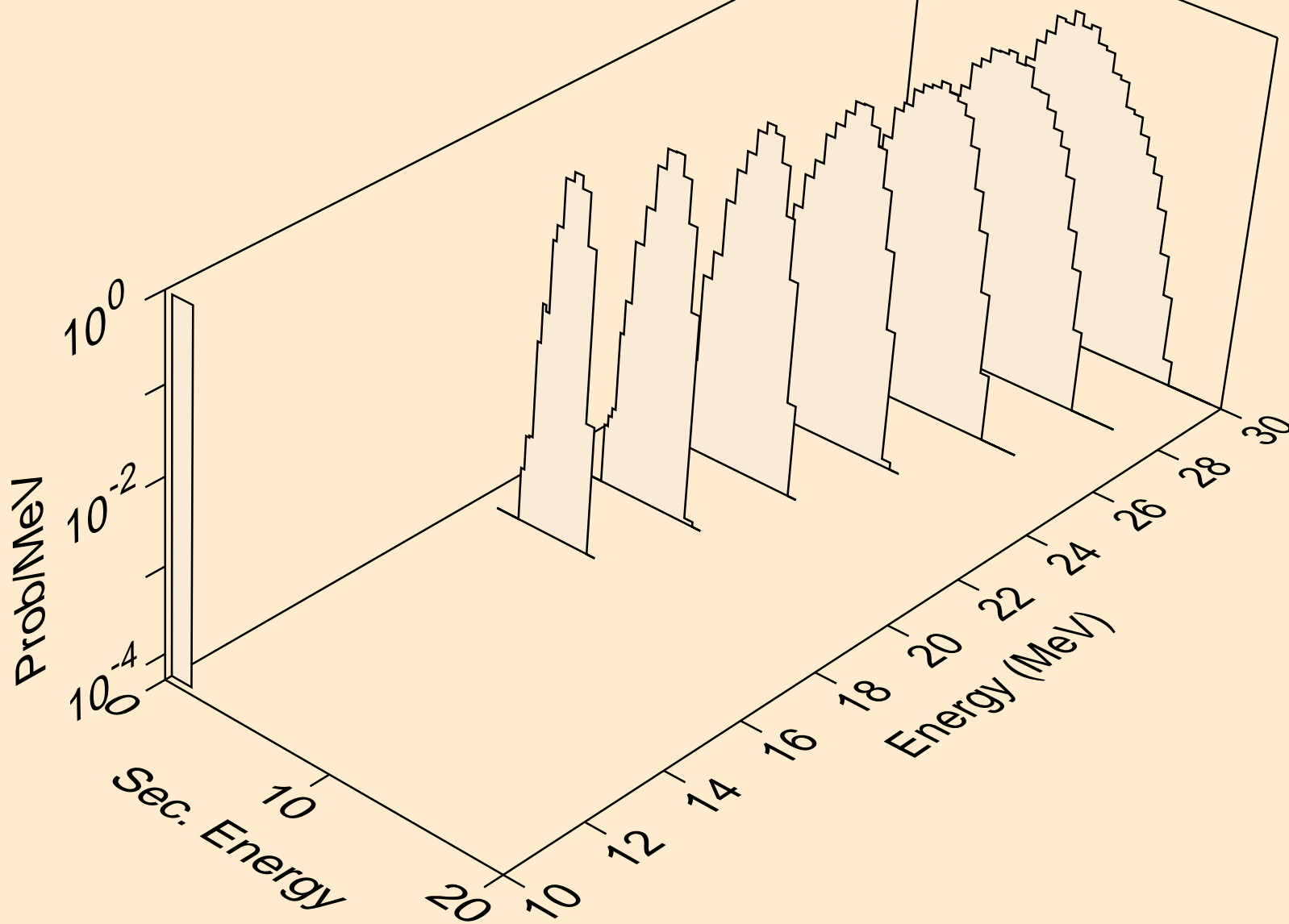
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



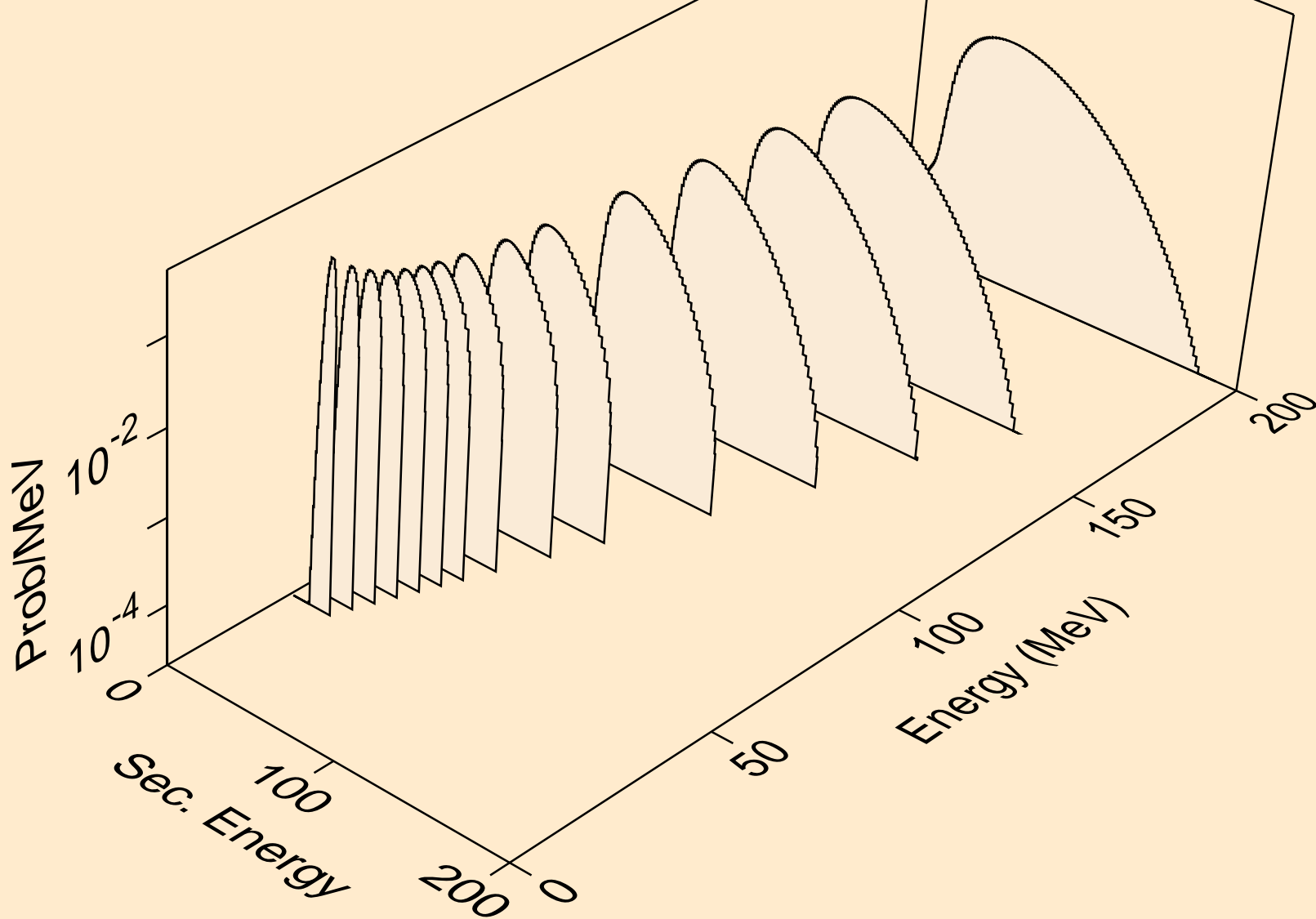
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tritons from (n,t)



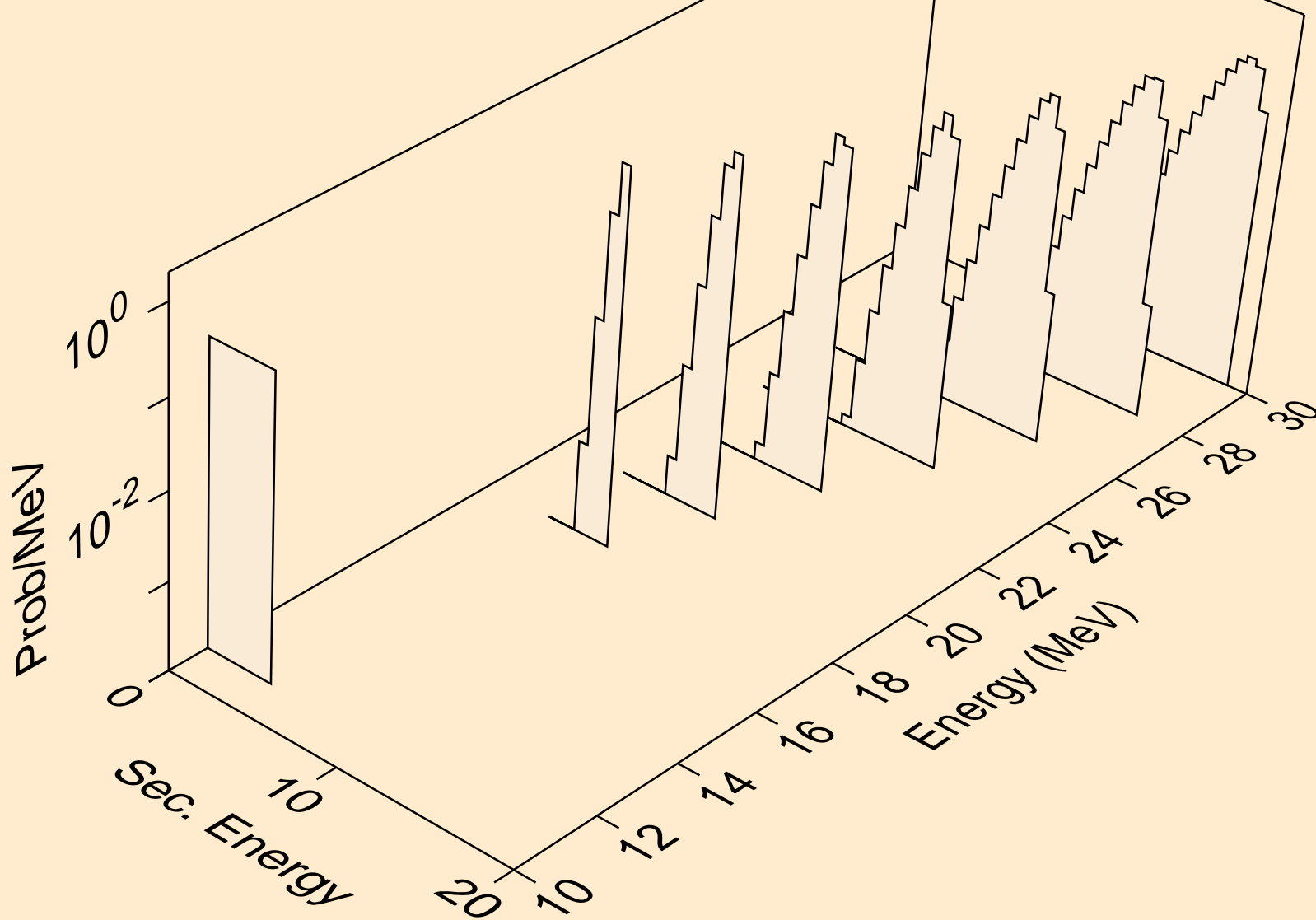
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tritons from (n,pt)



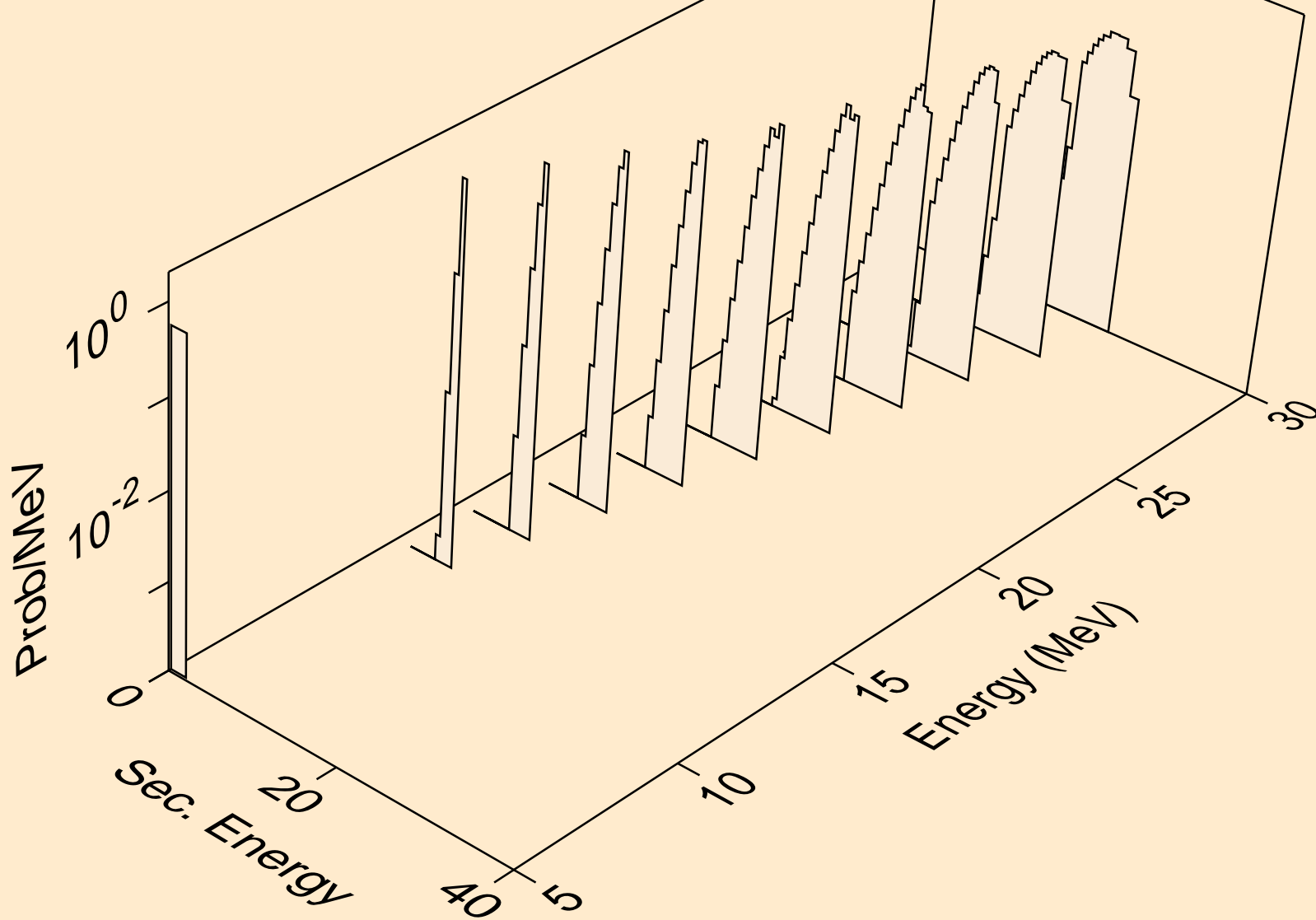
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



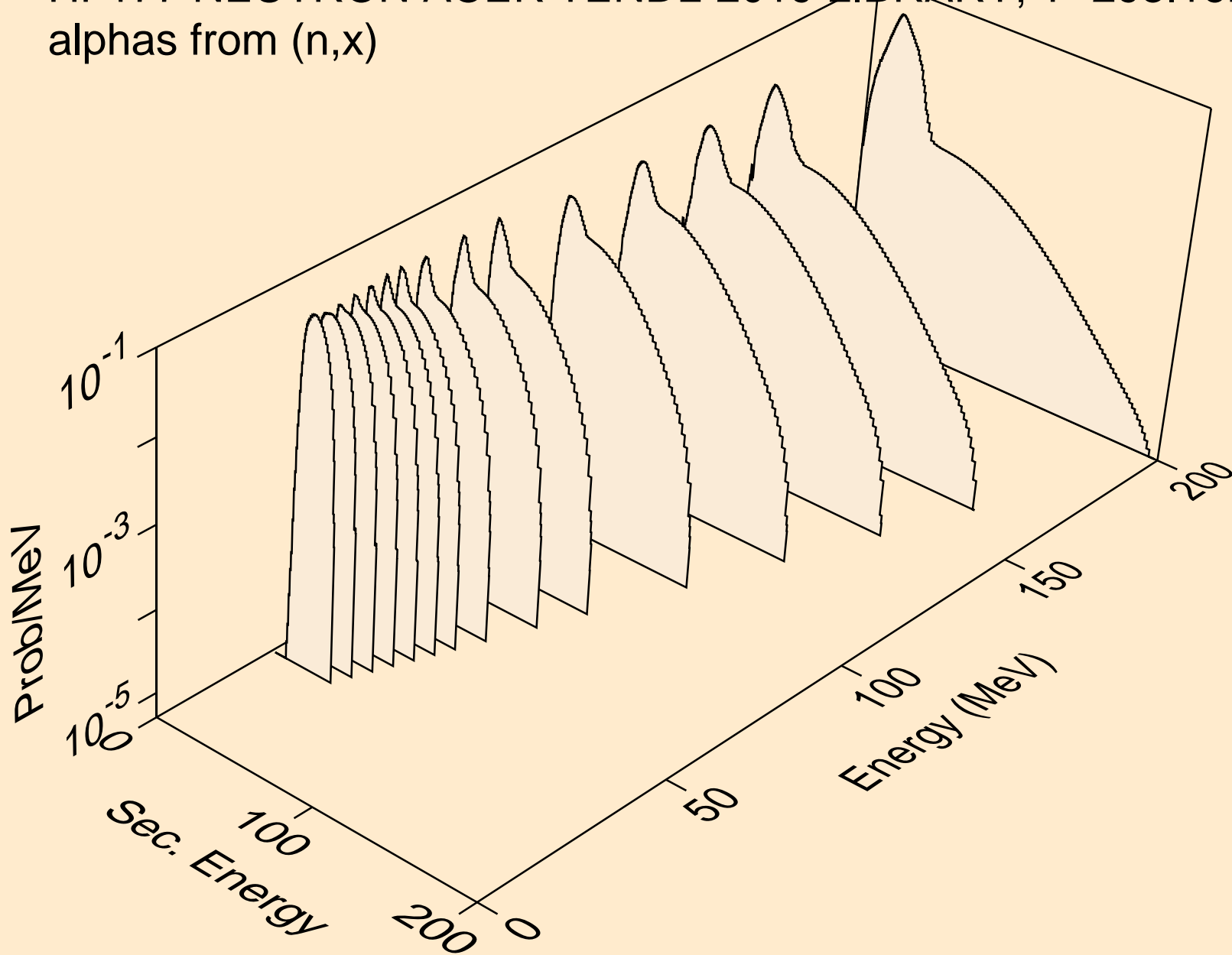
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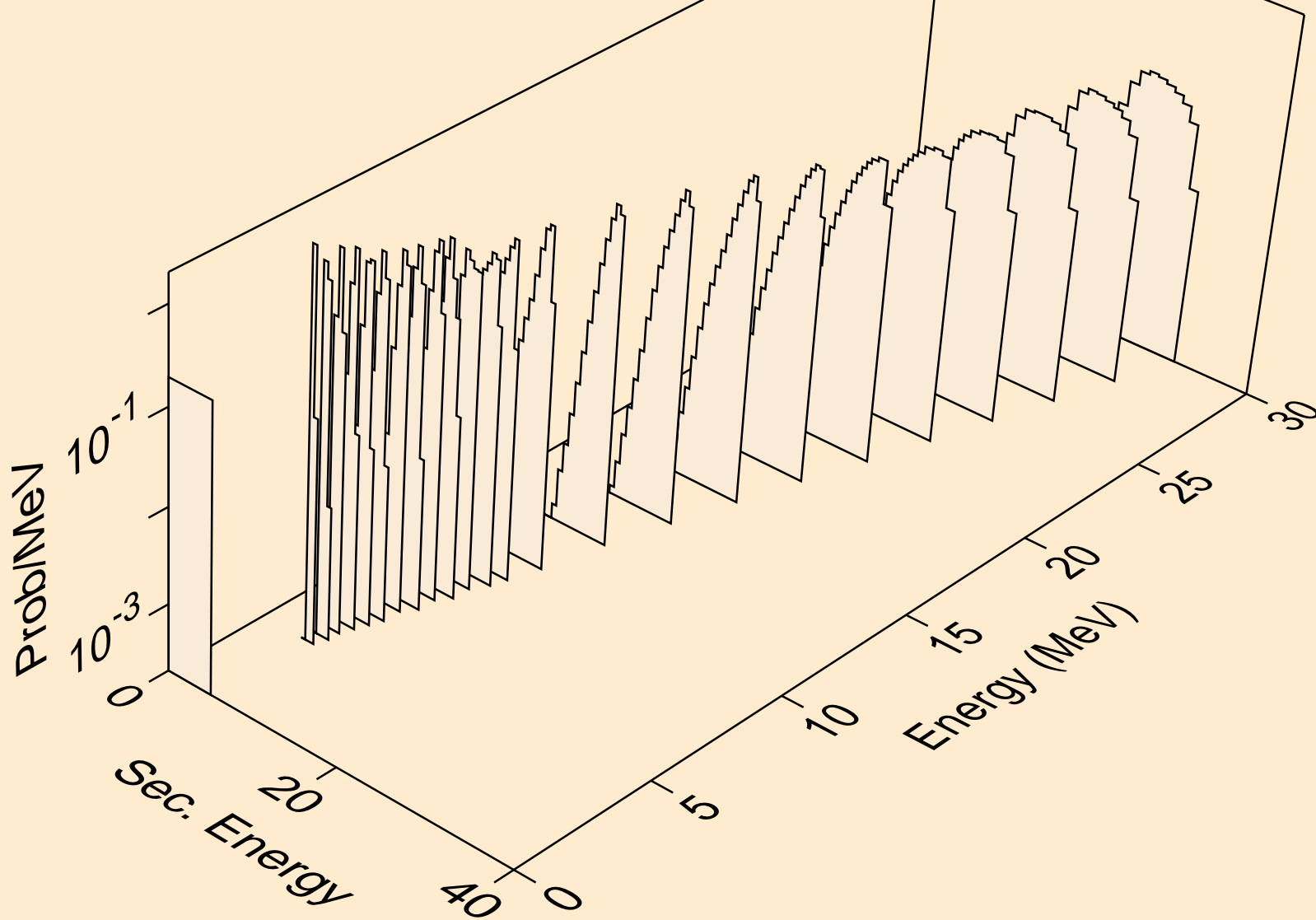
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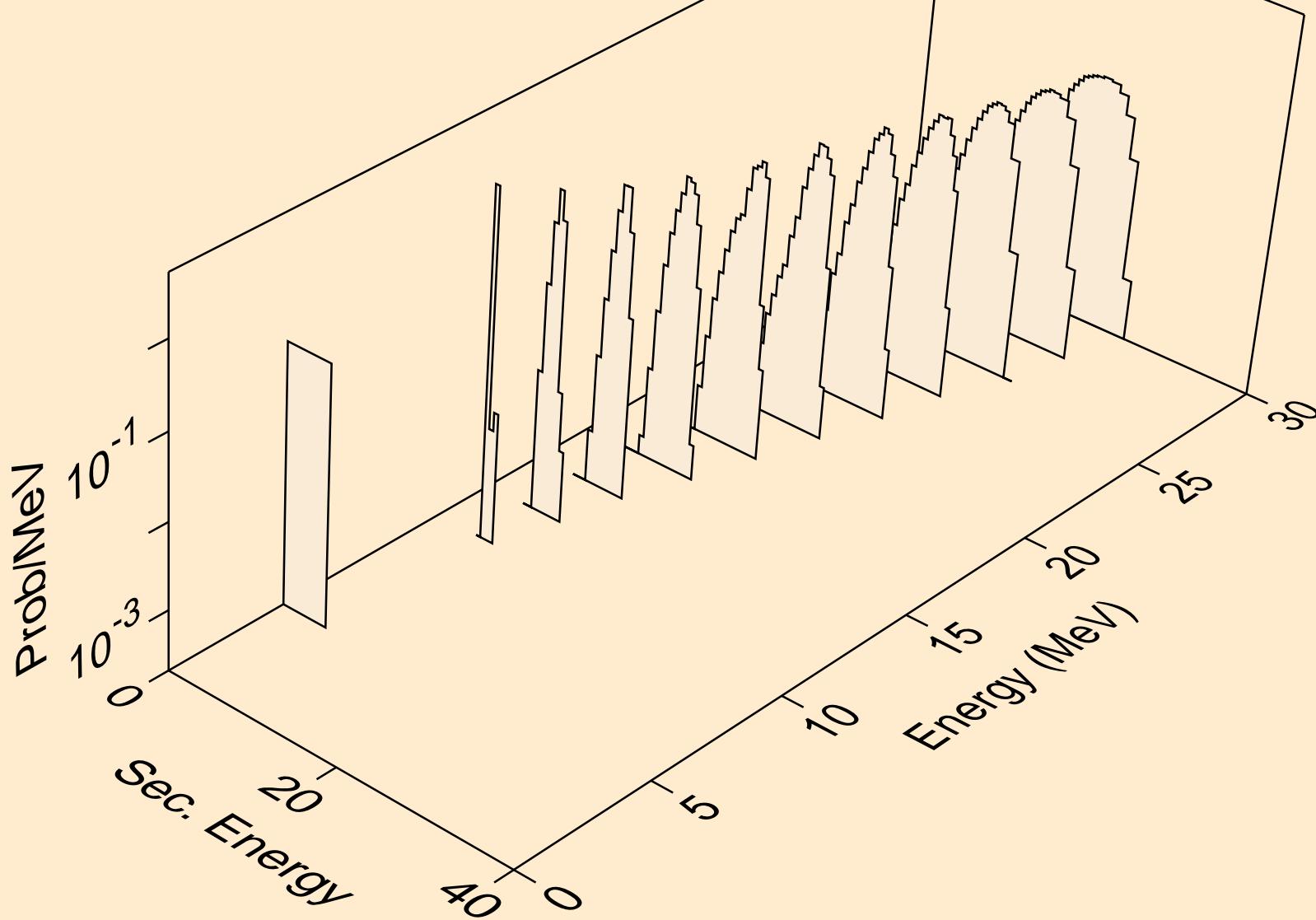
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alphas from (n,x)



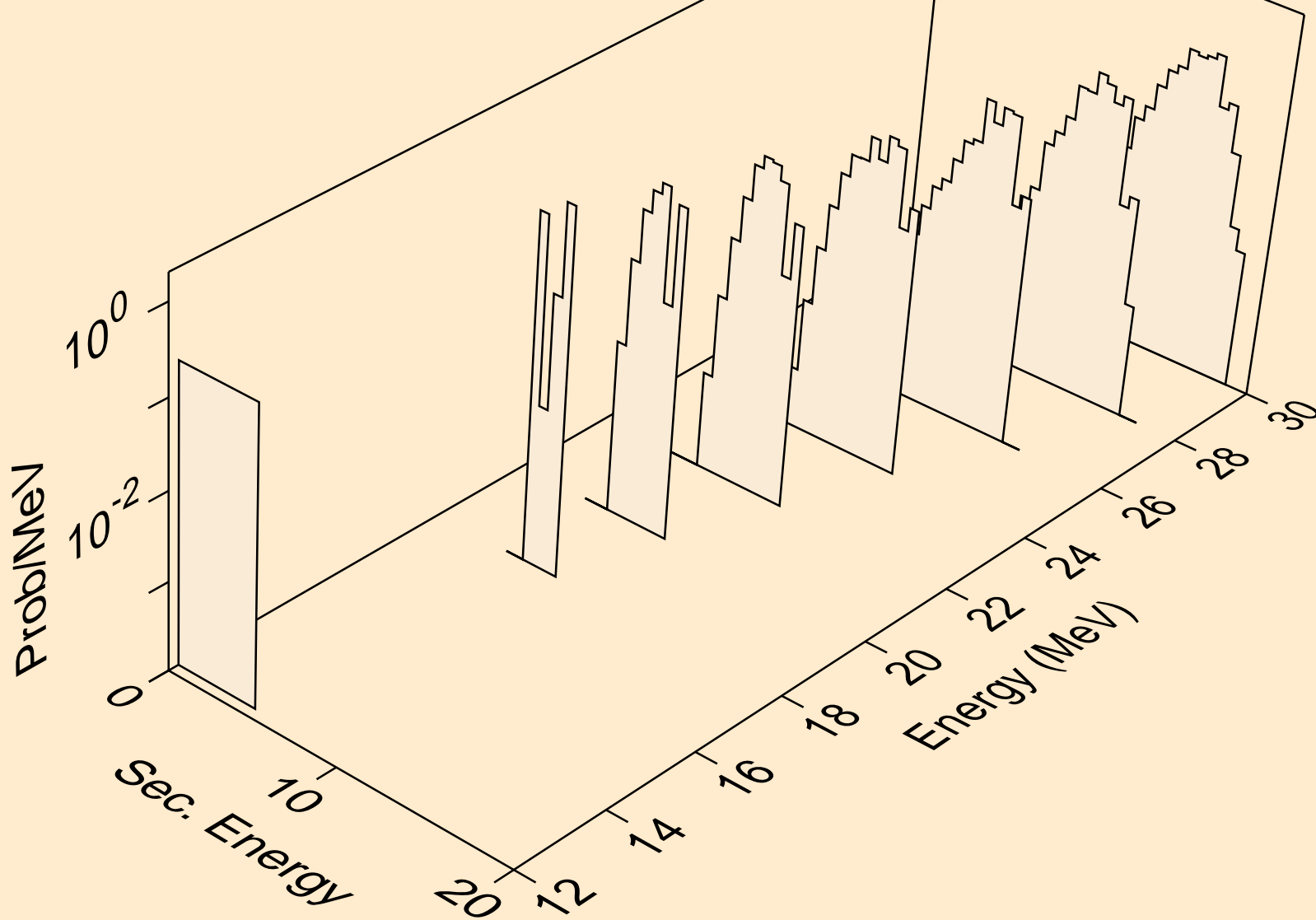
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



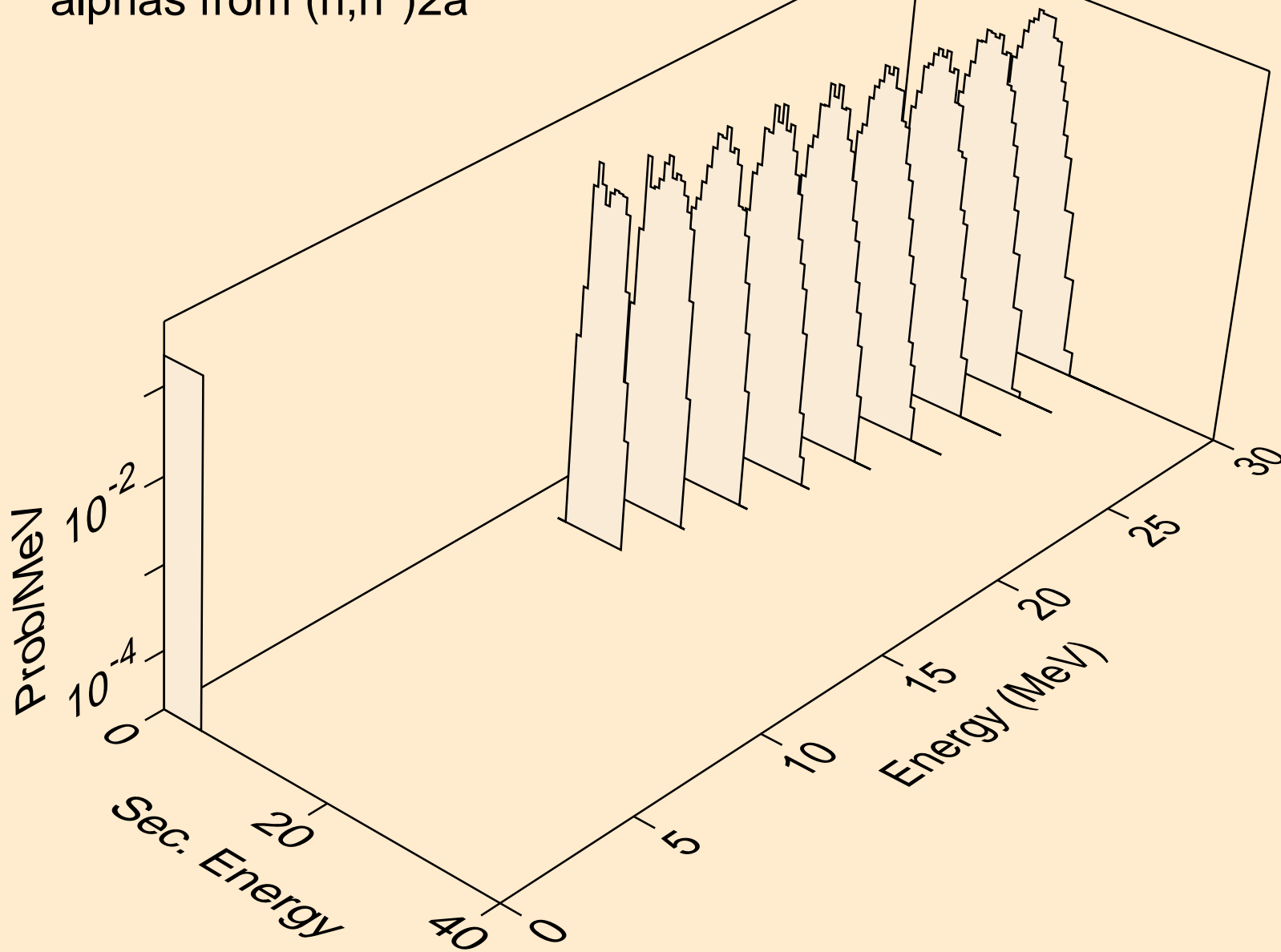
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alphas from (n,2n)a



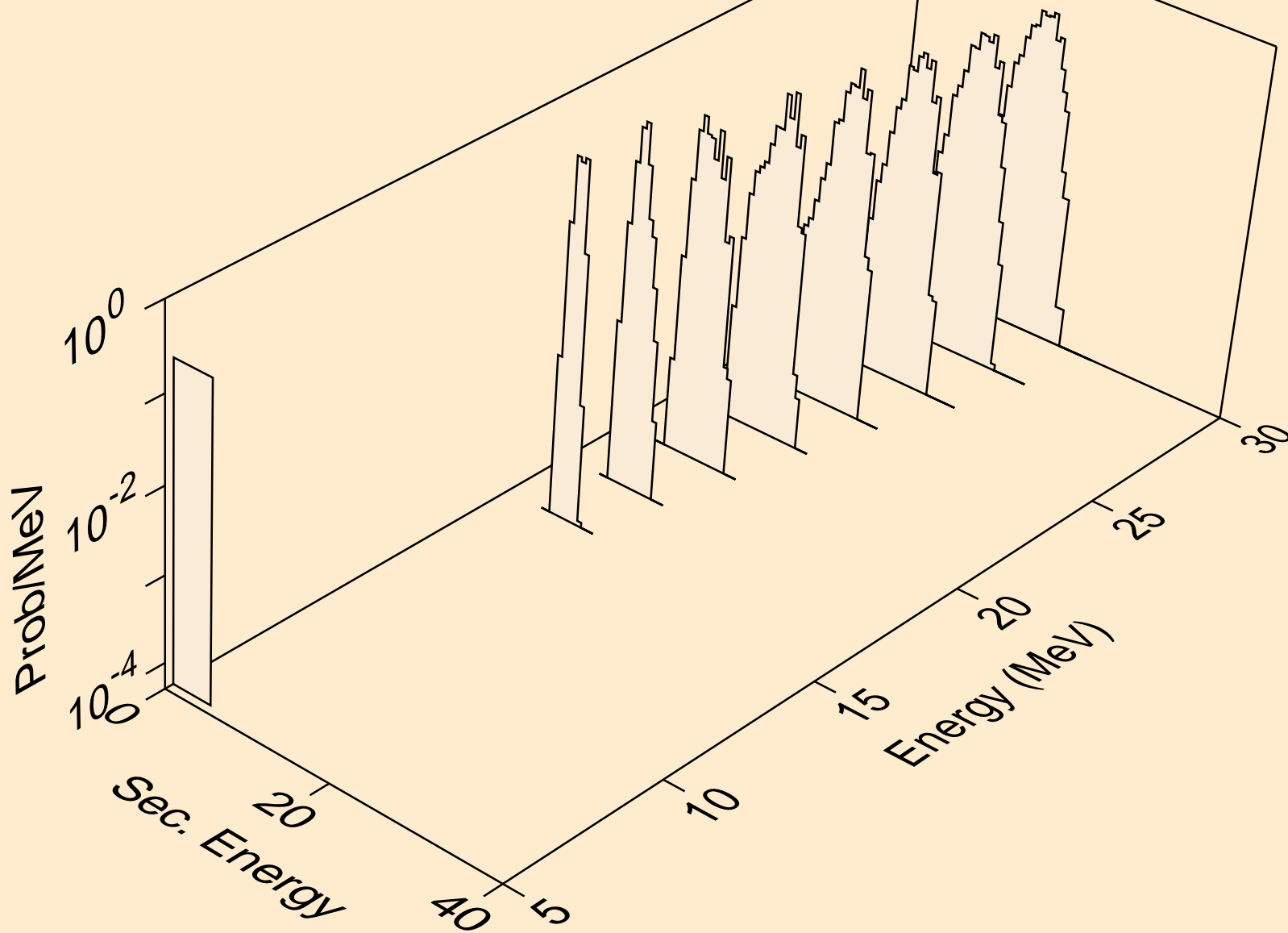
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alphas from (n,3n)a



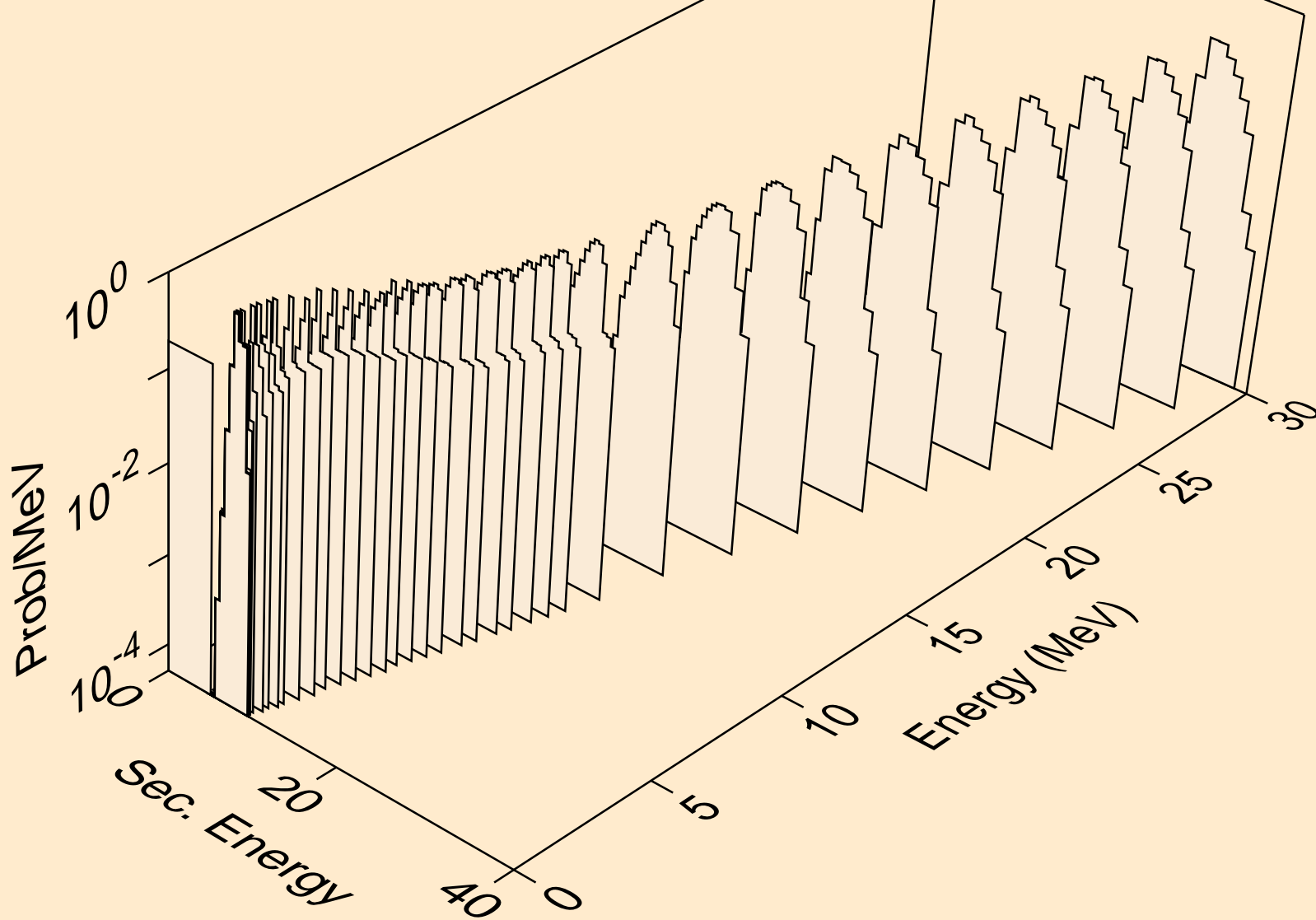
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



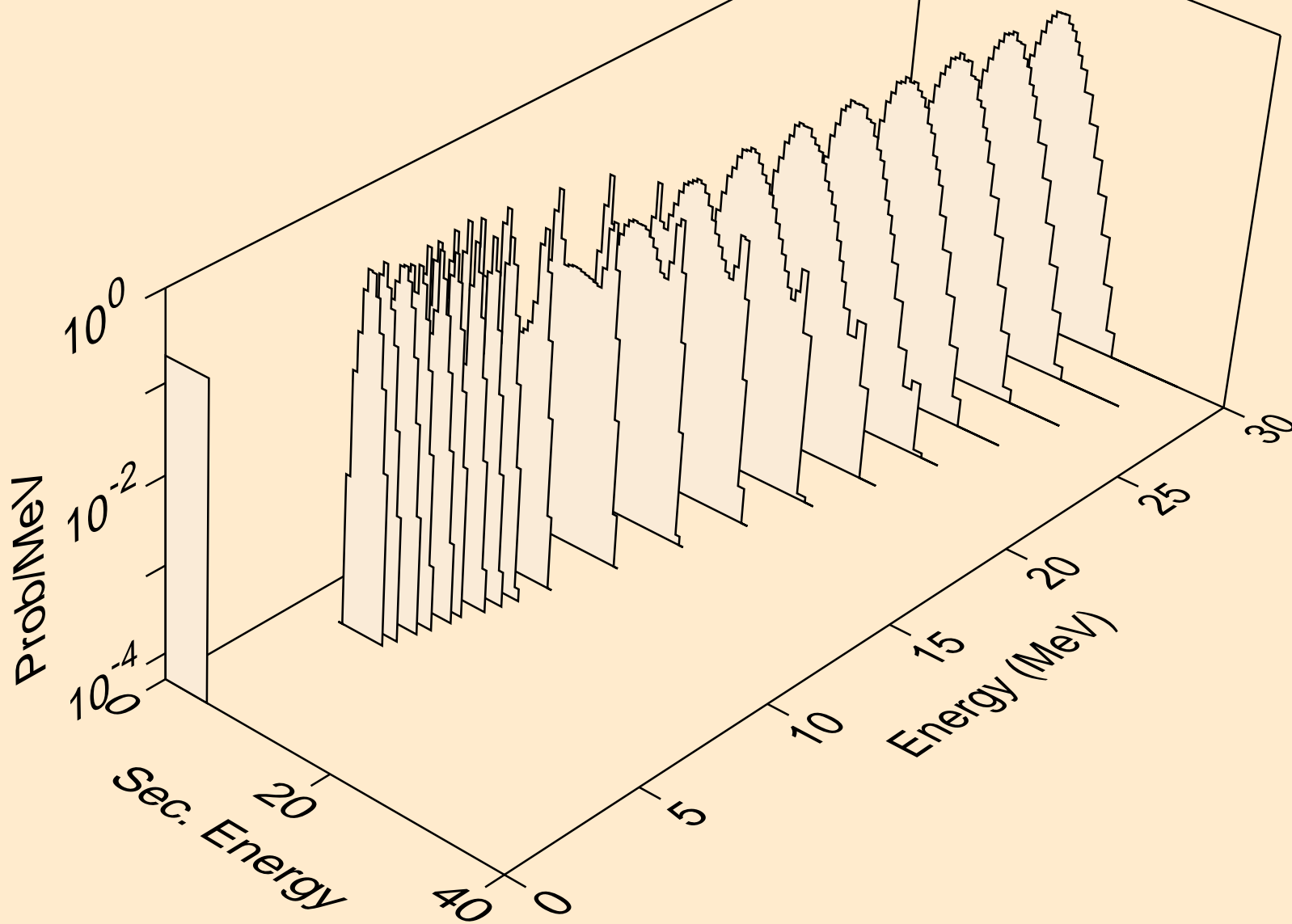
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



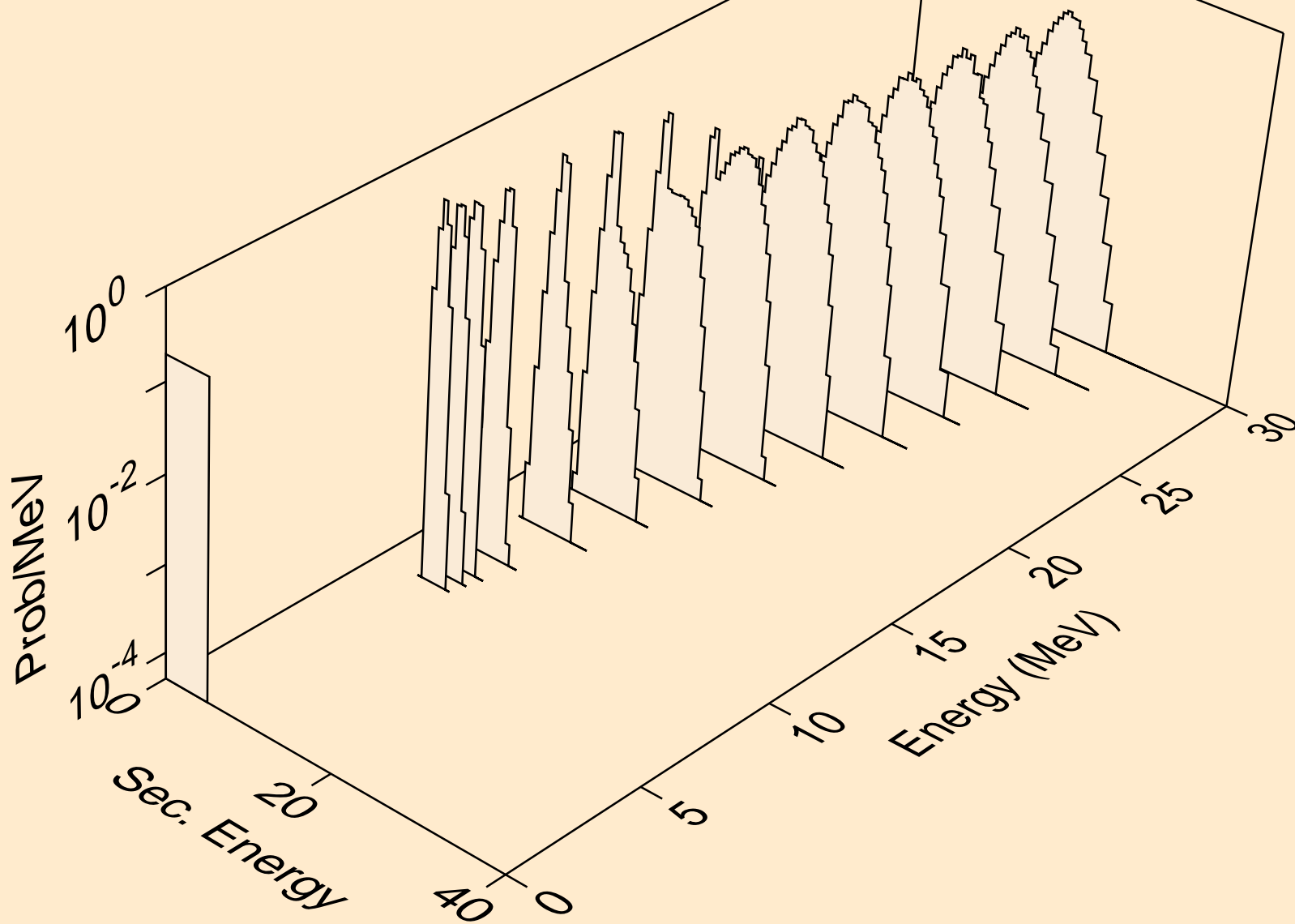
HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



HF177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

