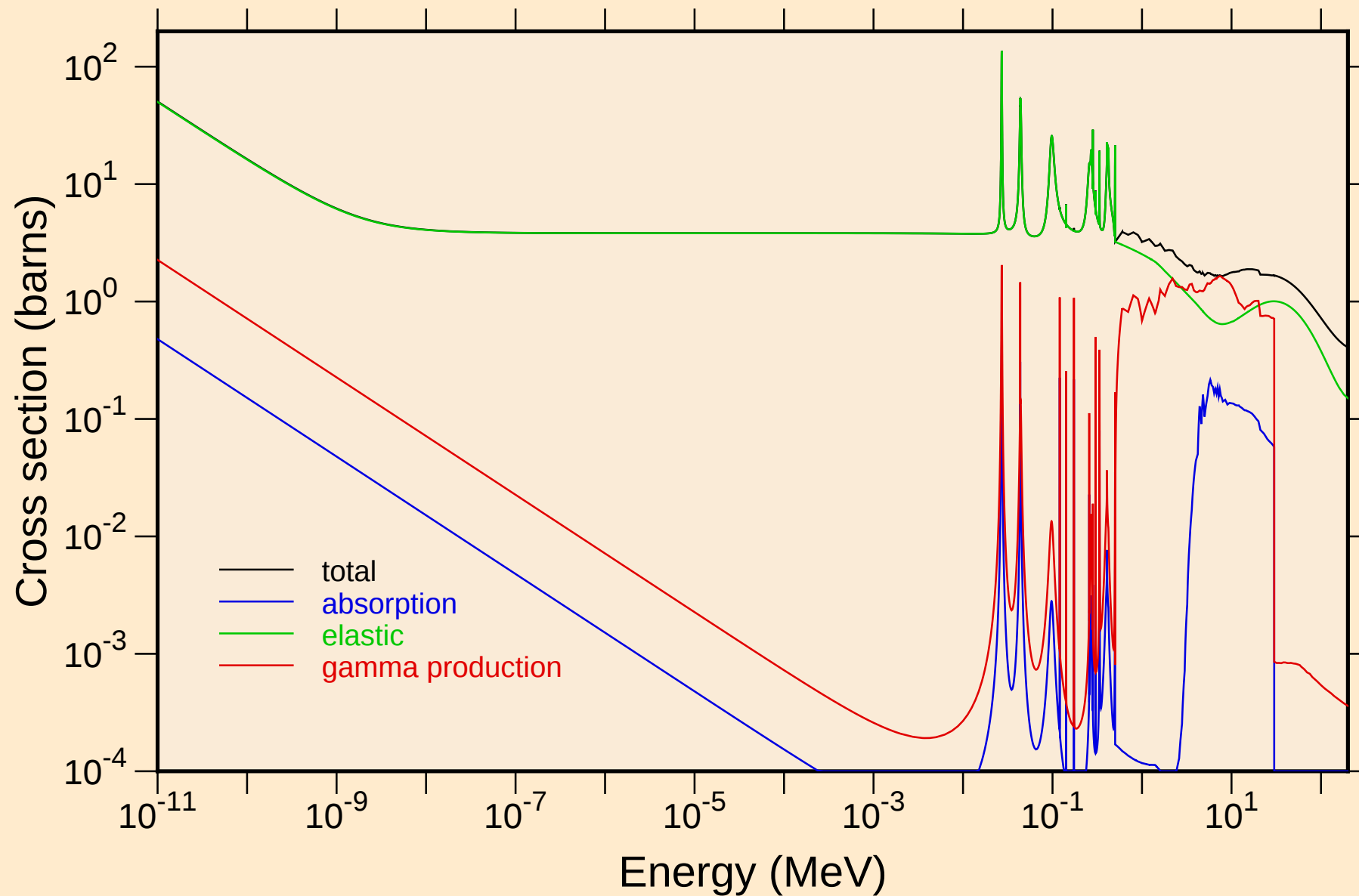
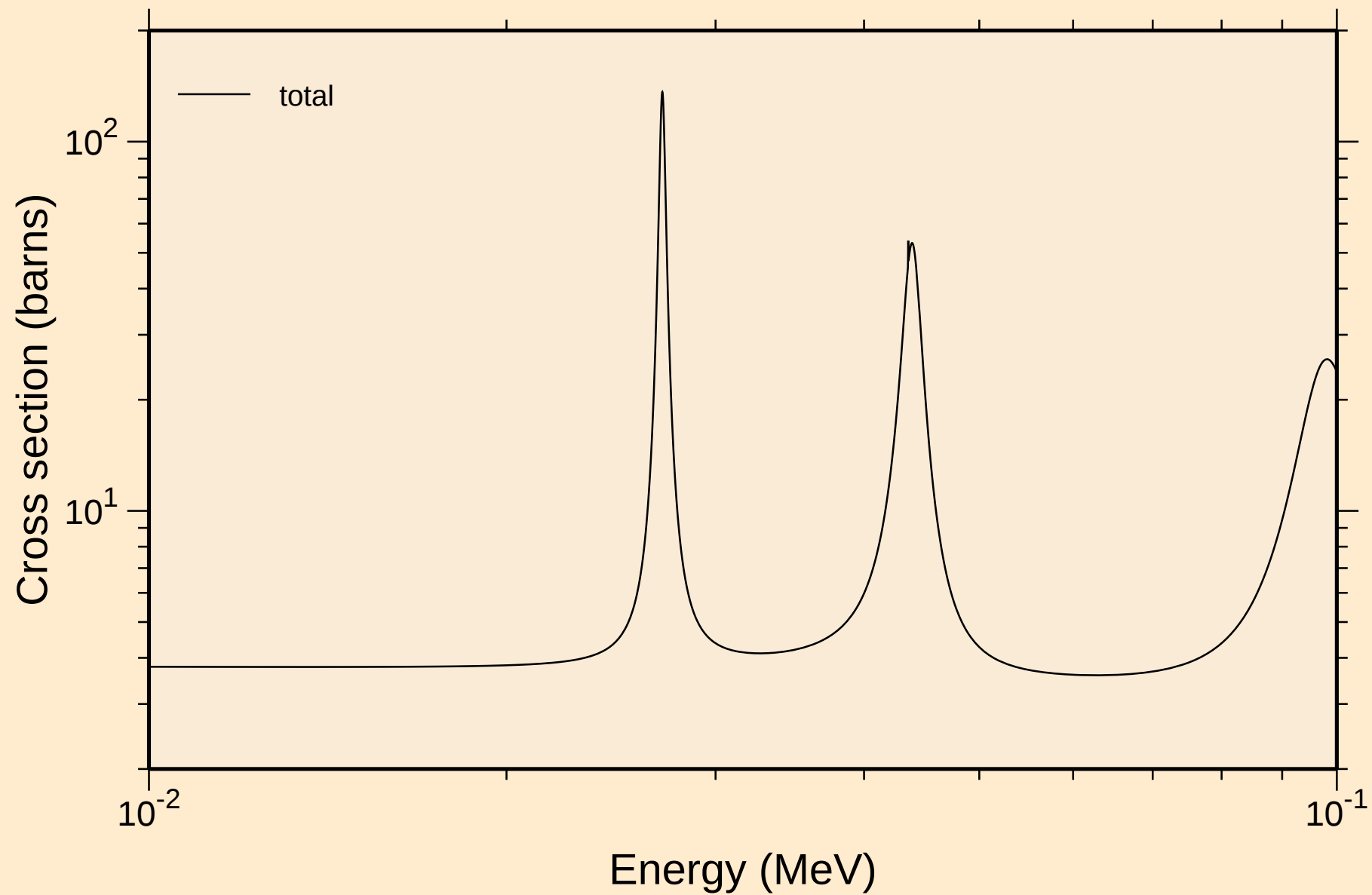


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

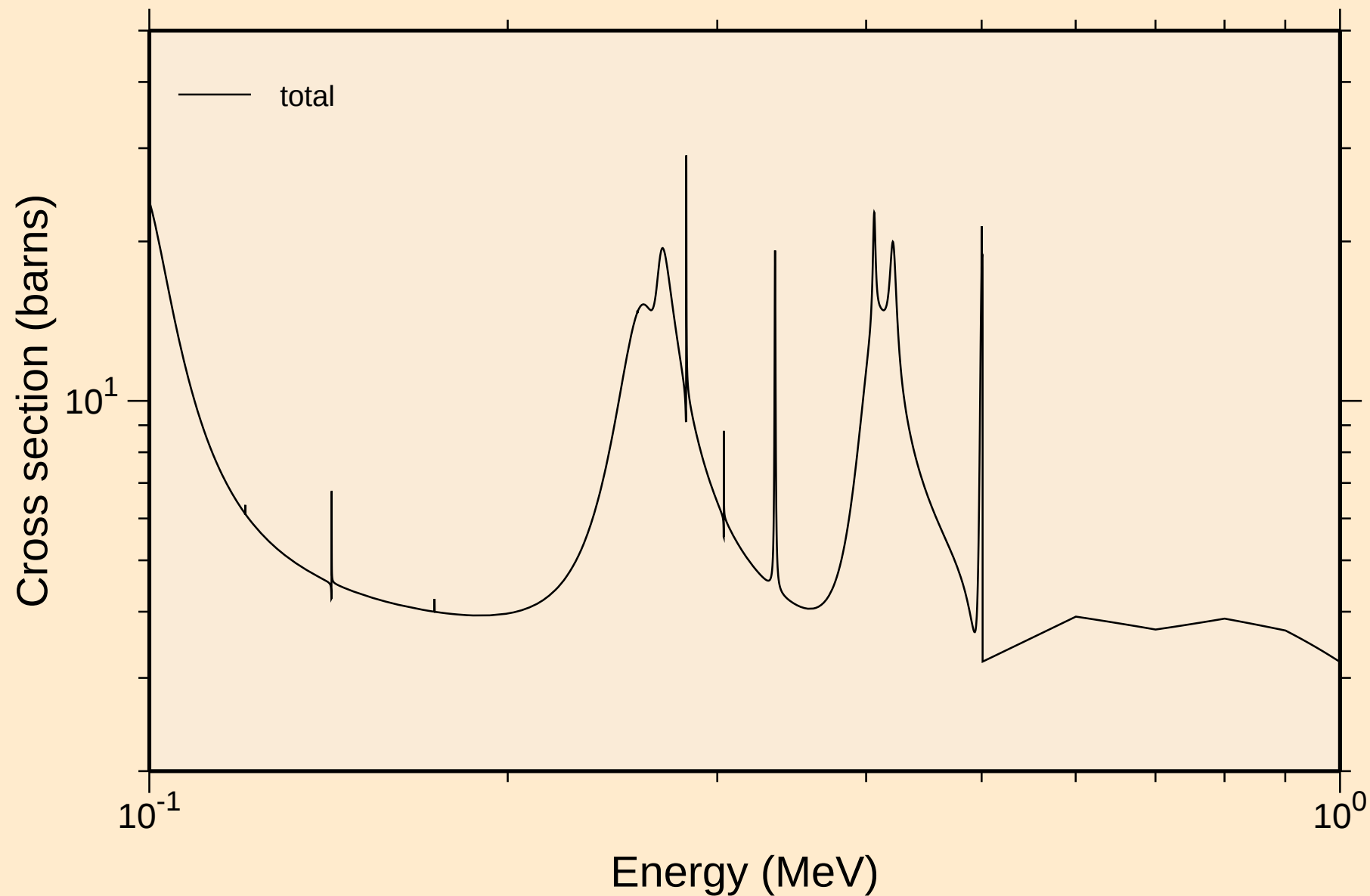
Principal cross sections



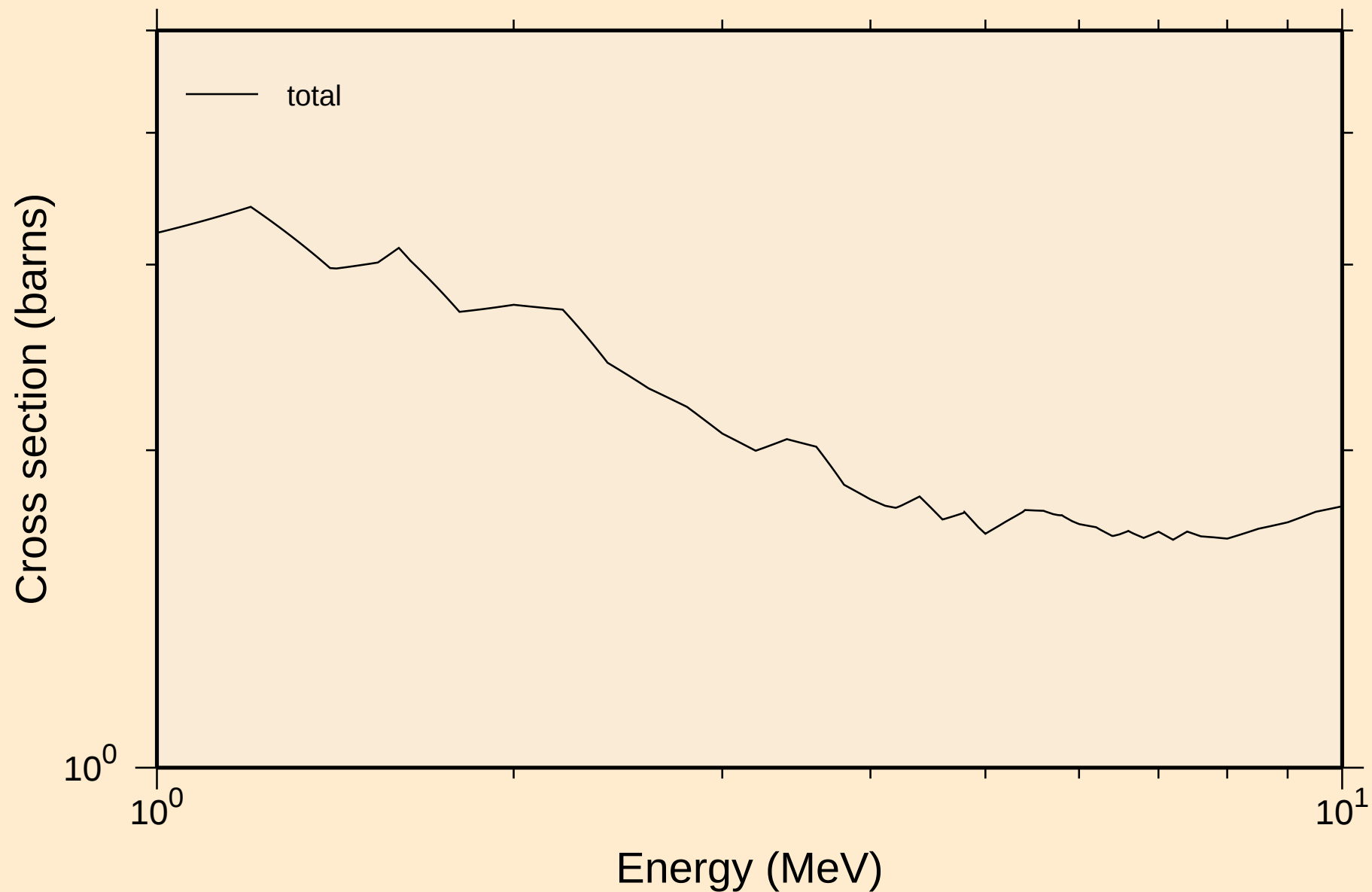
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resonance total cross section



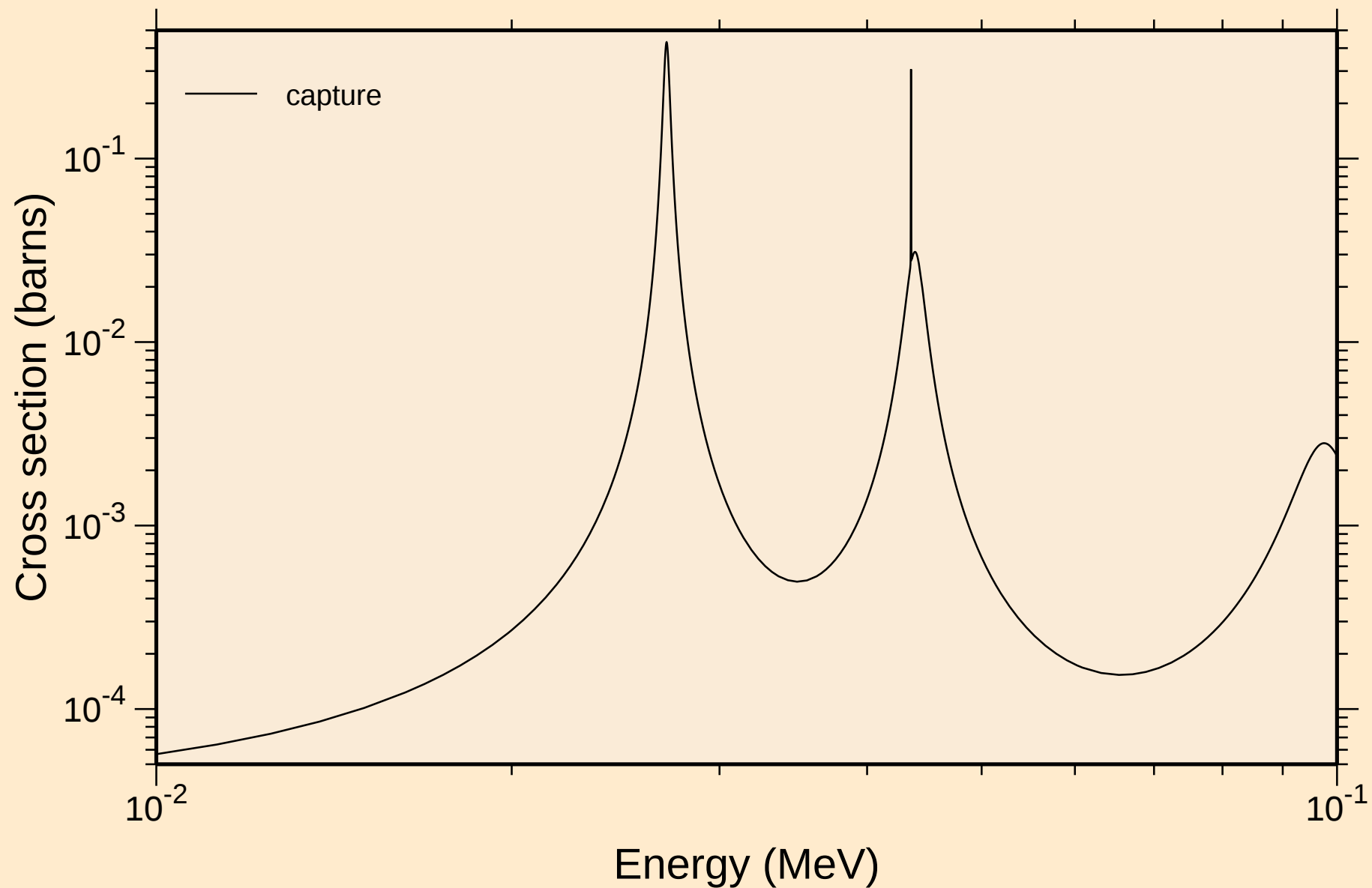
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



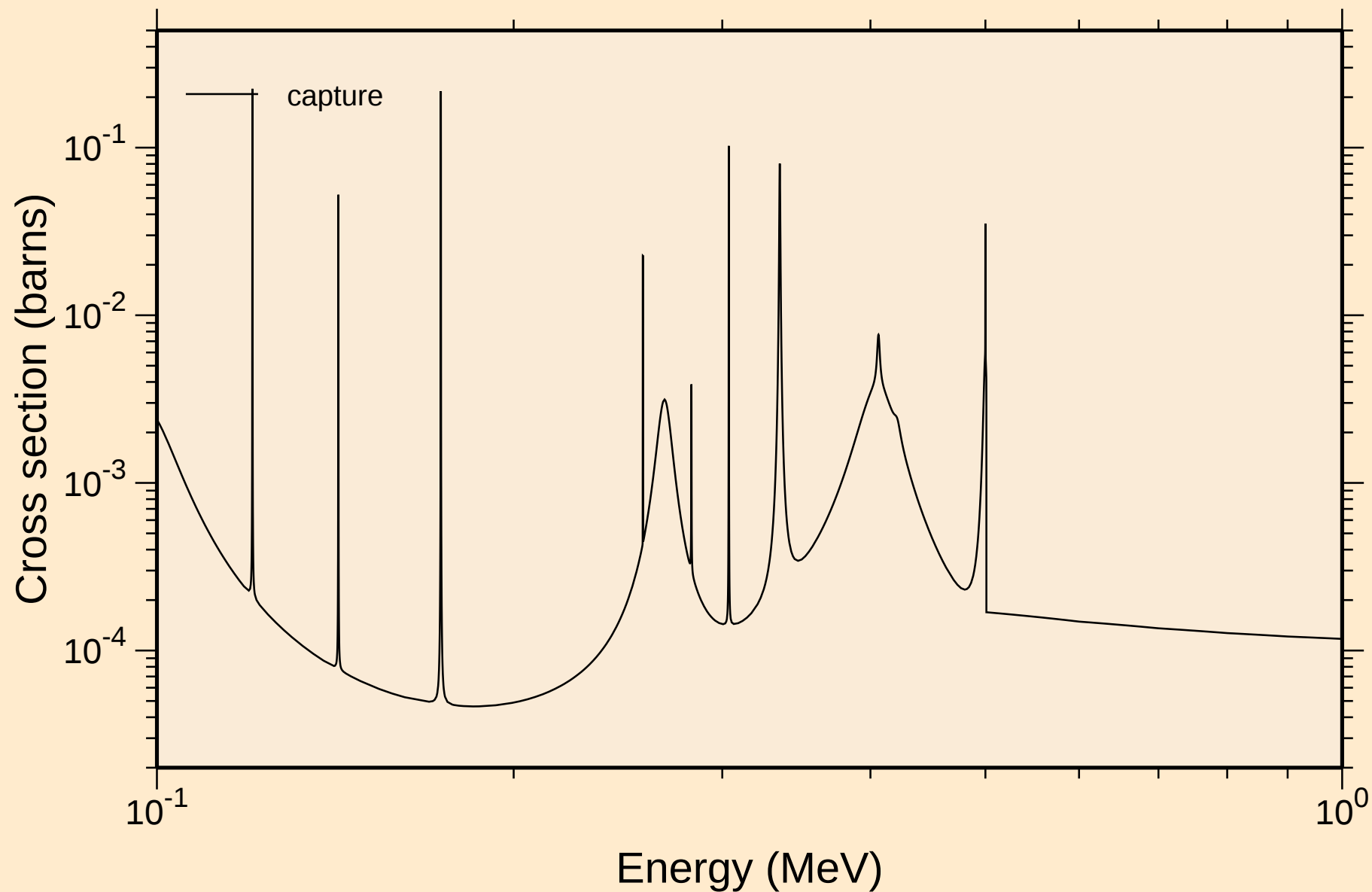
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance total cross section



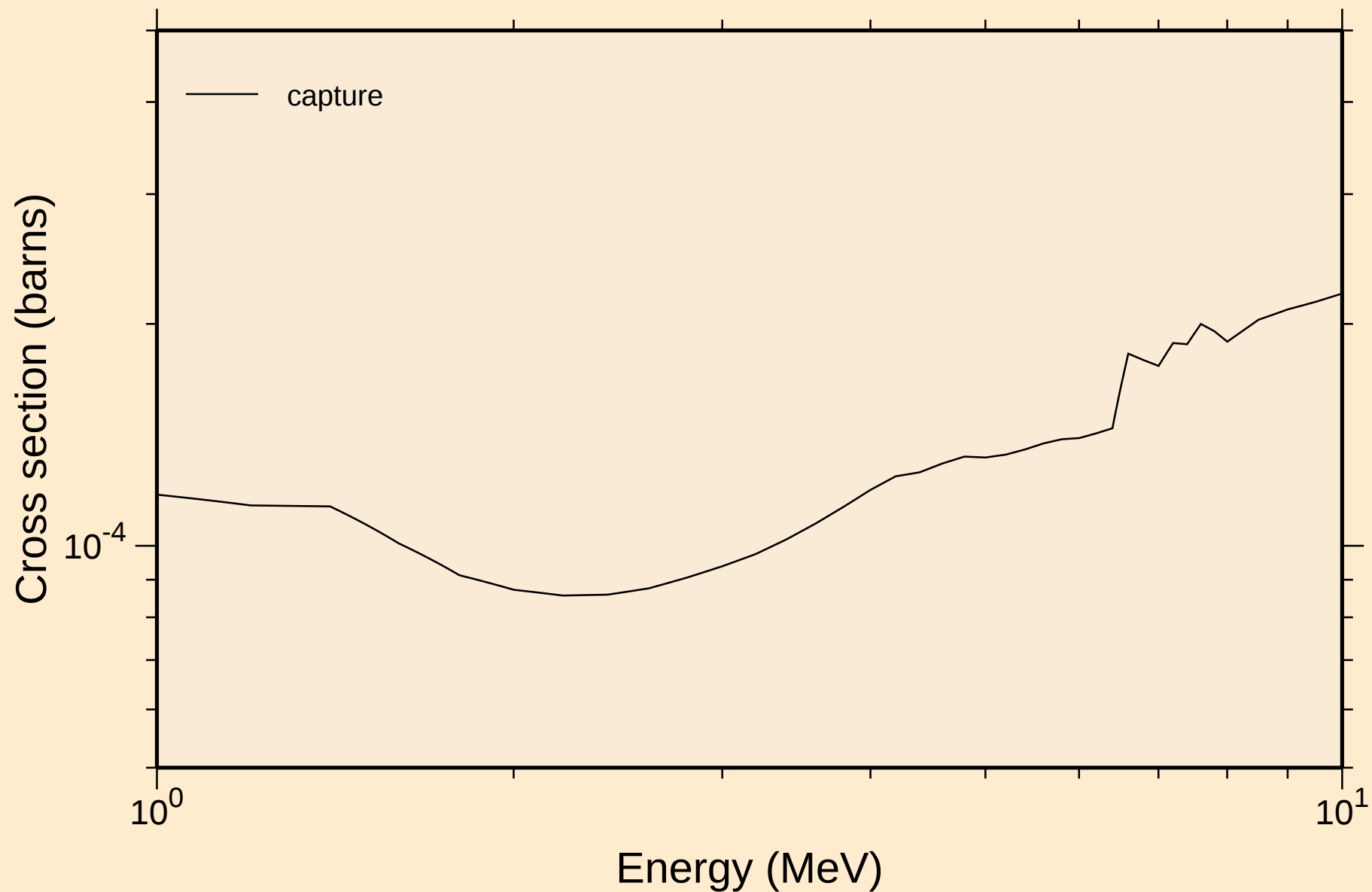
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections

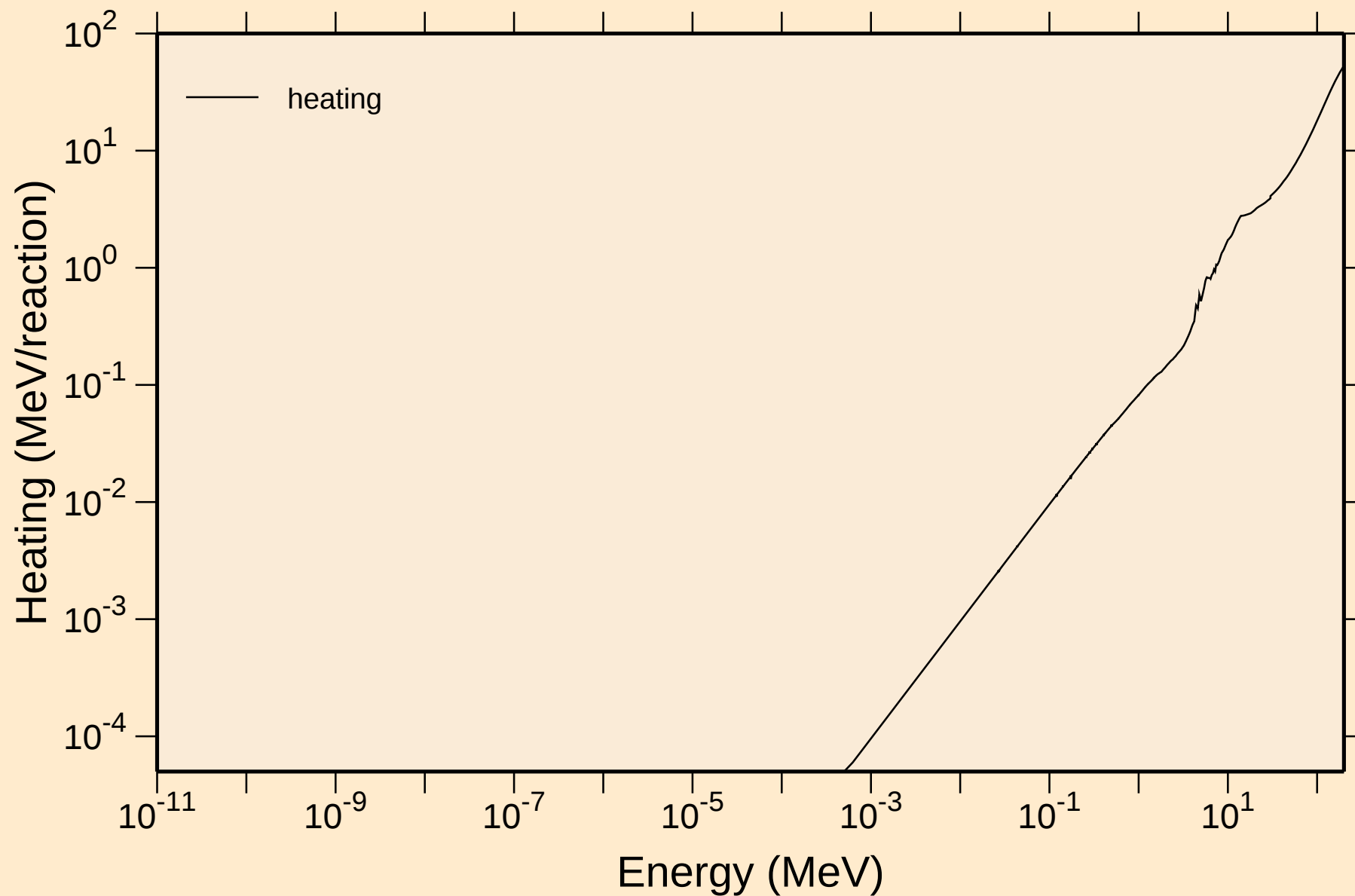


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



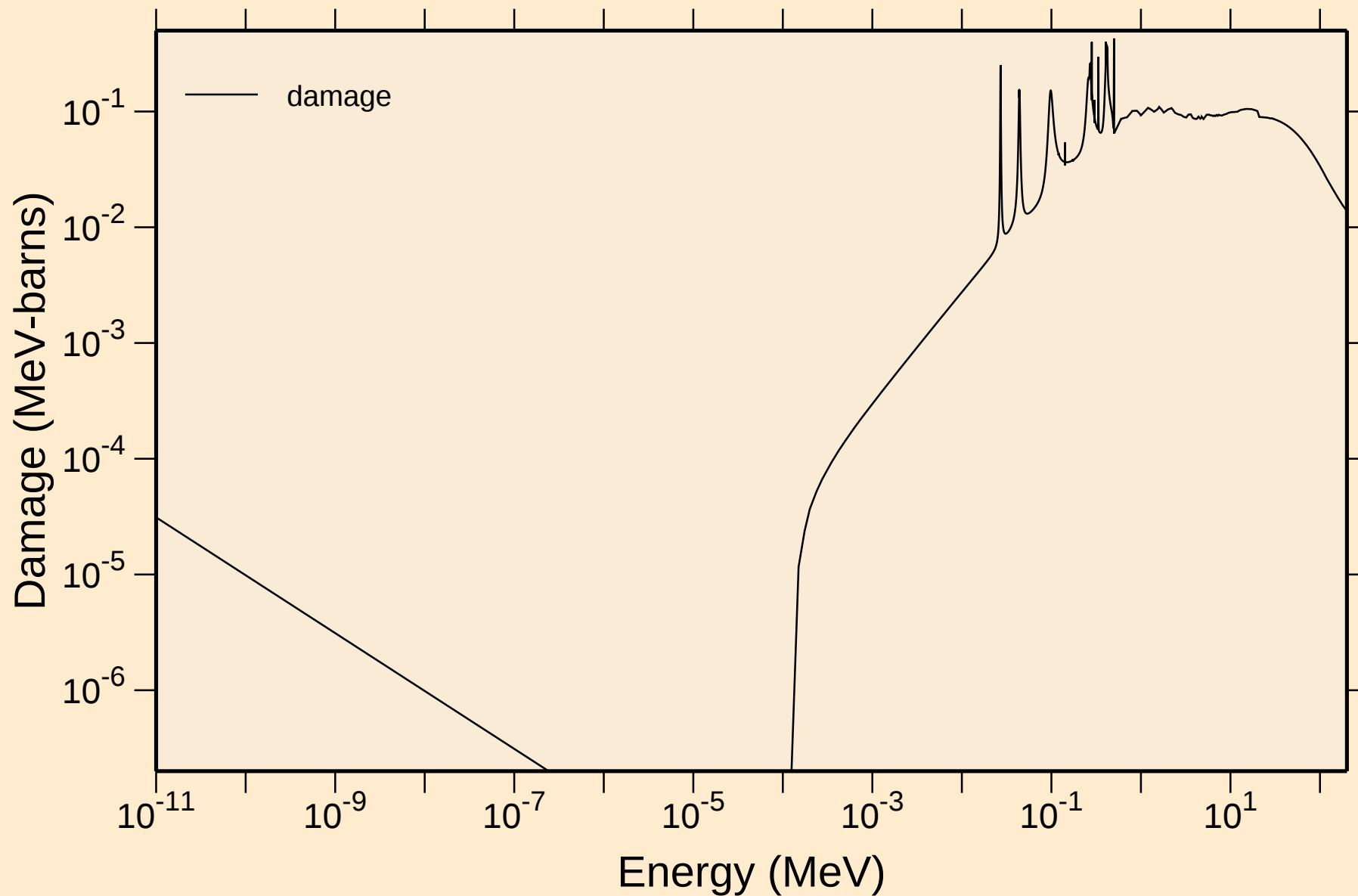
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

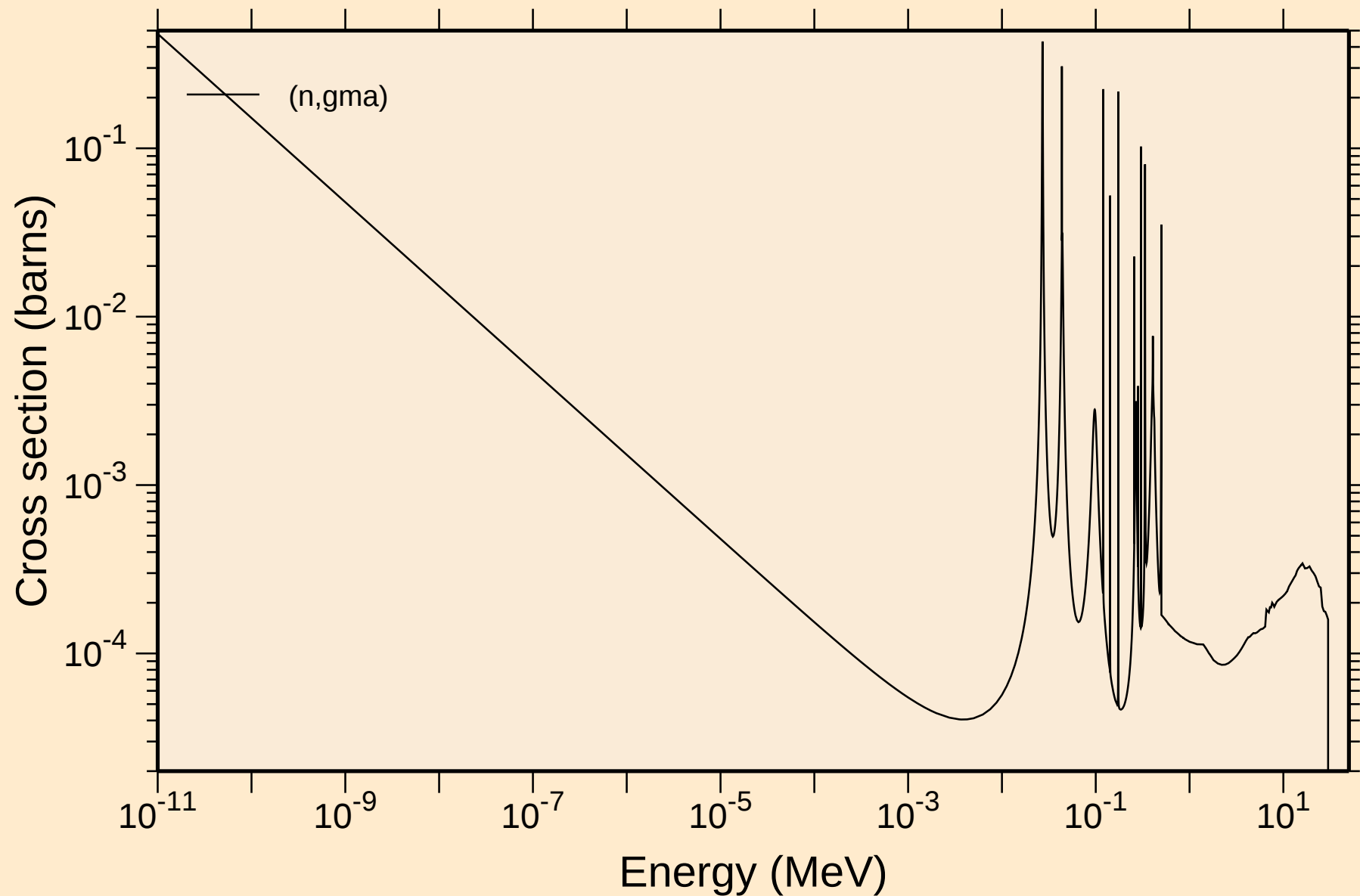


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

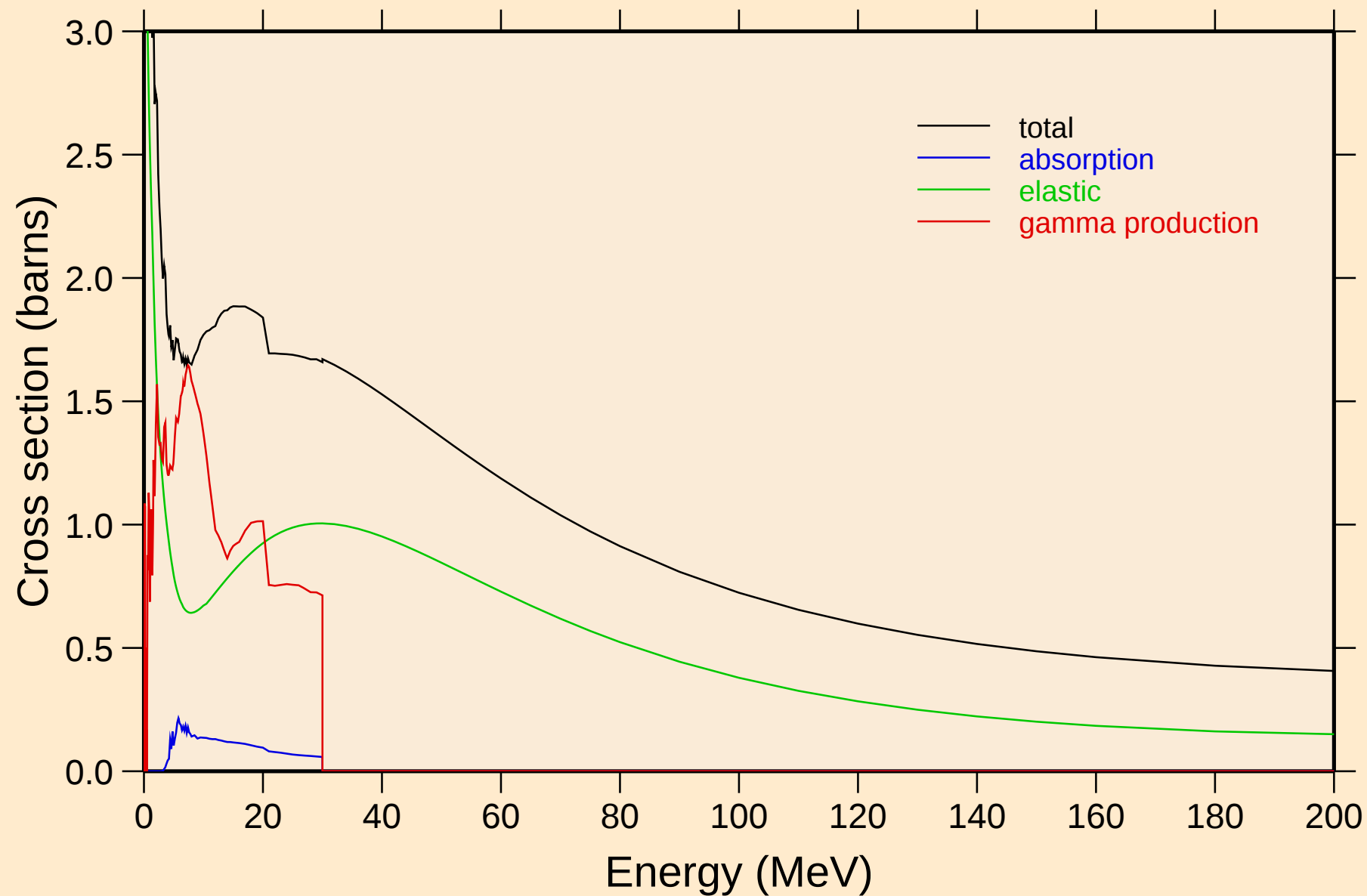


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



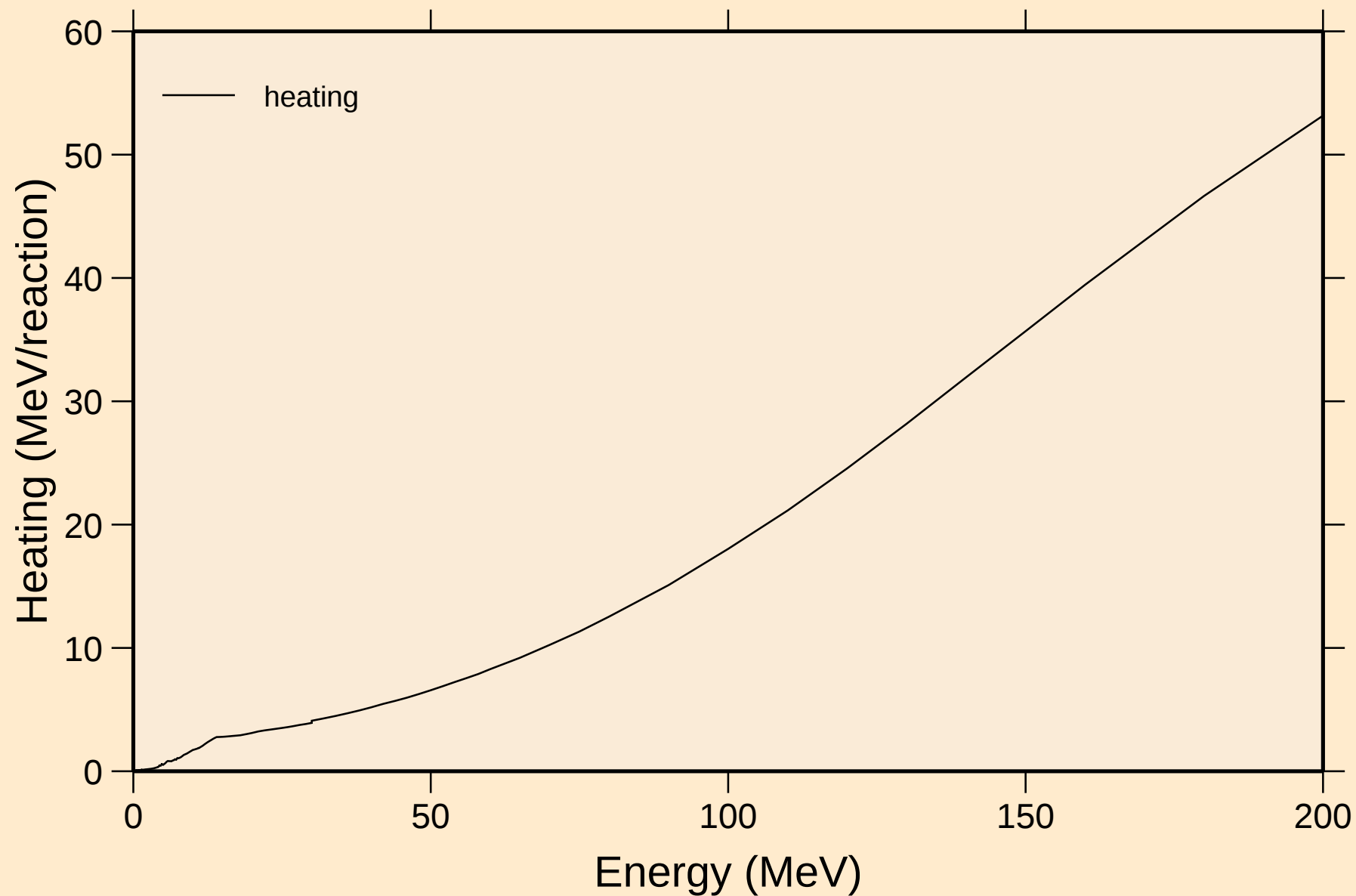
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Principal cross sections



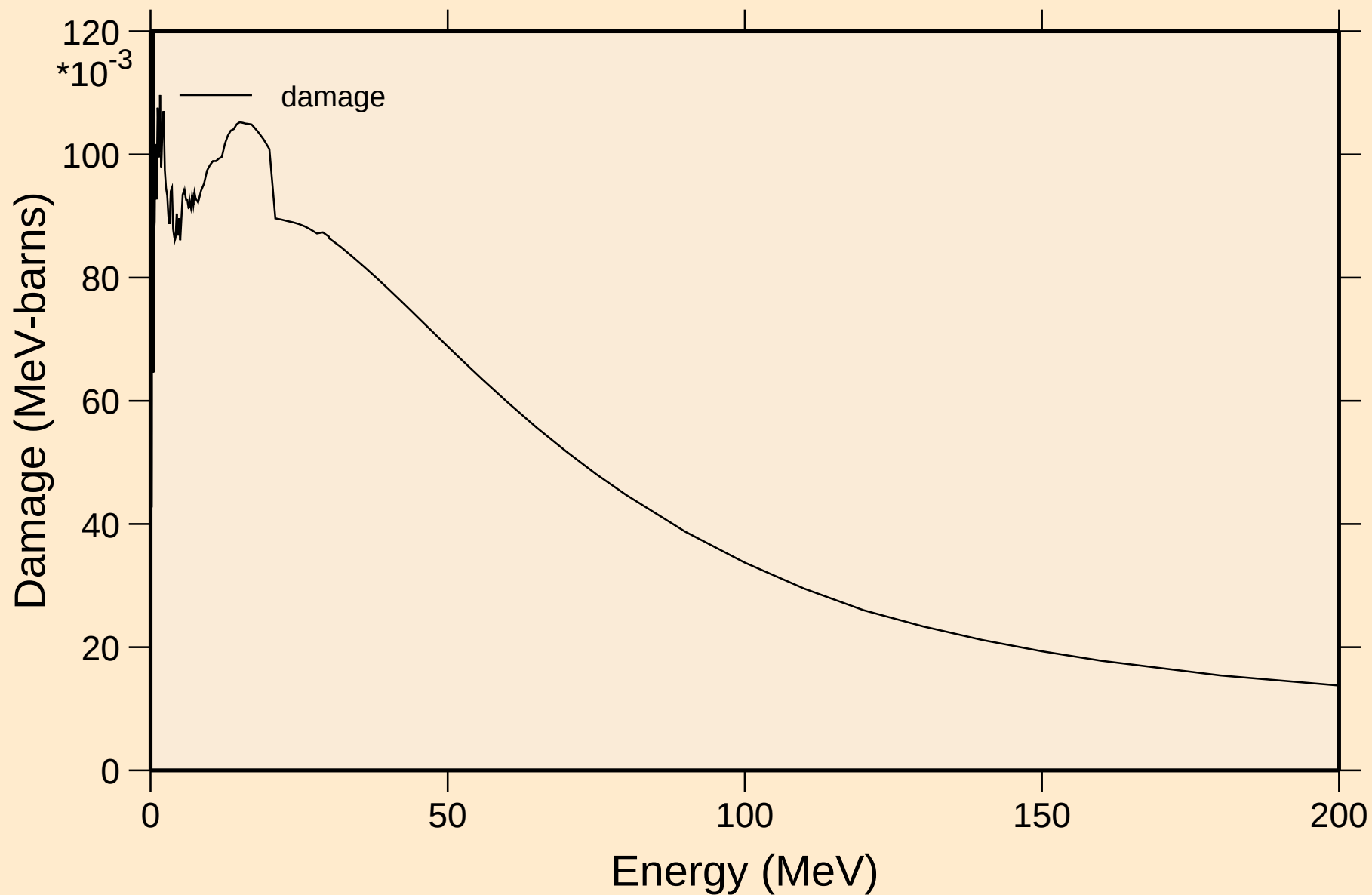
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

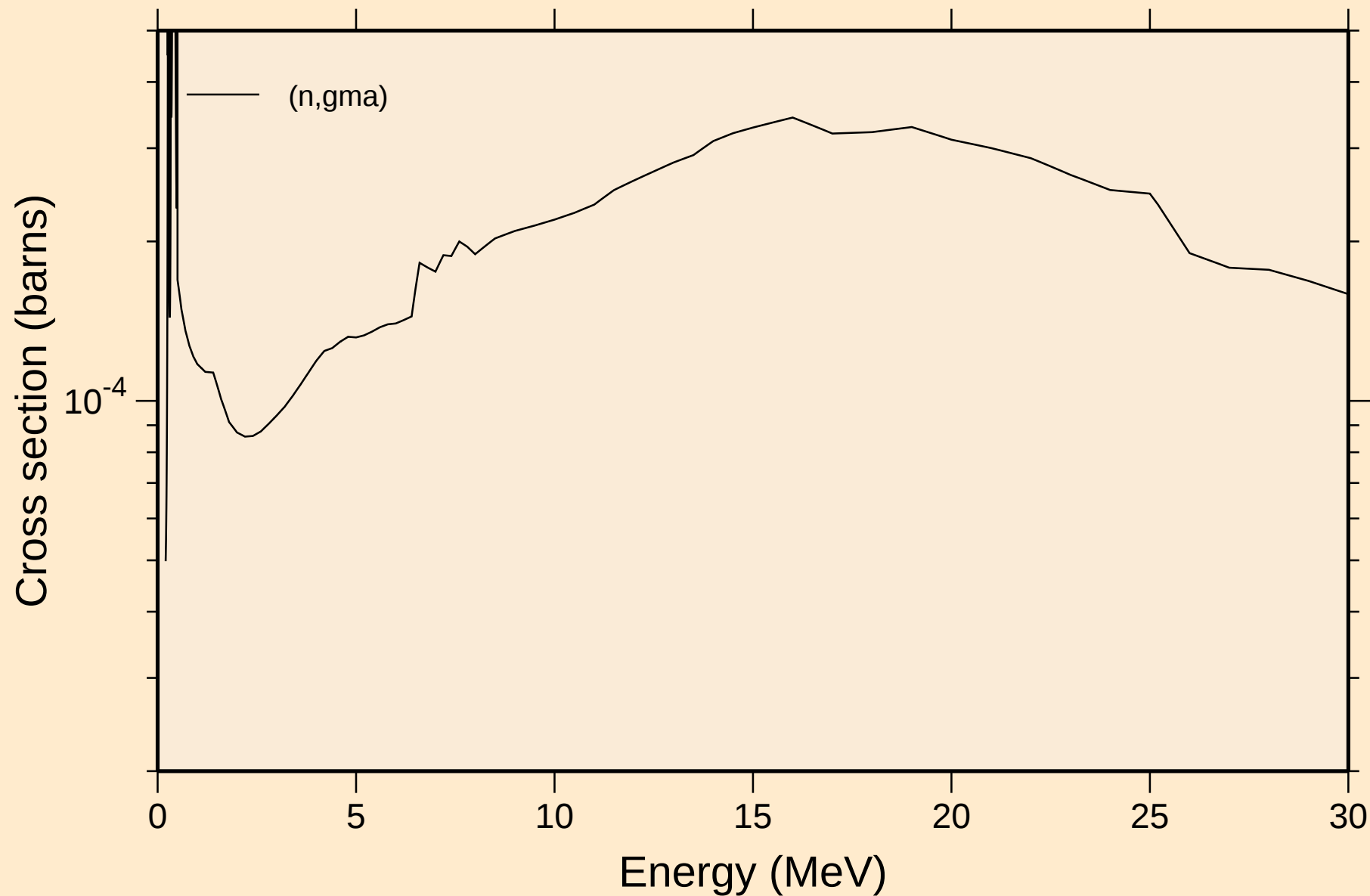


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

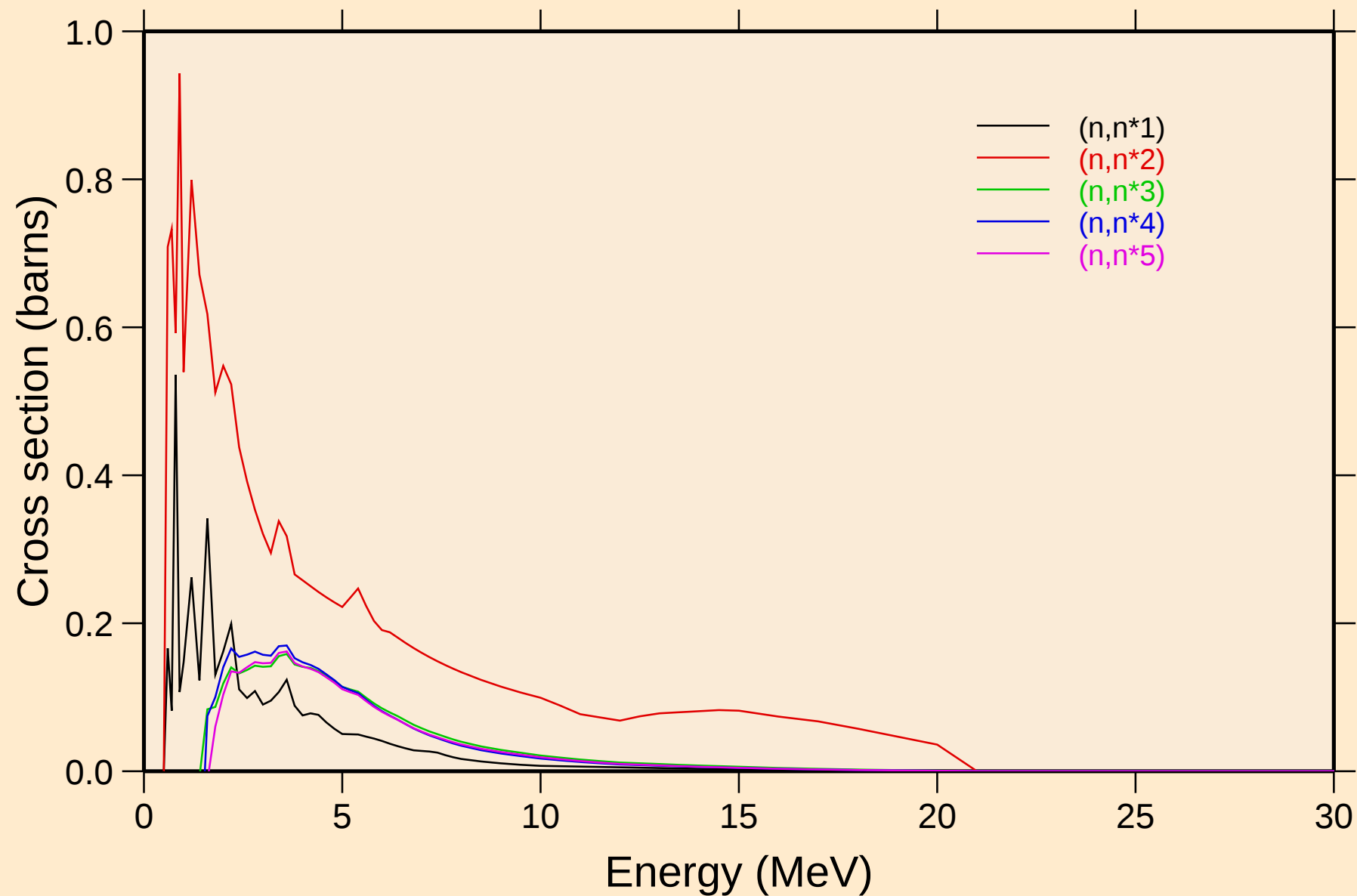
Damage



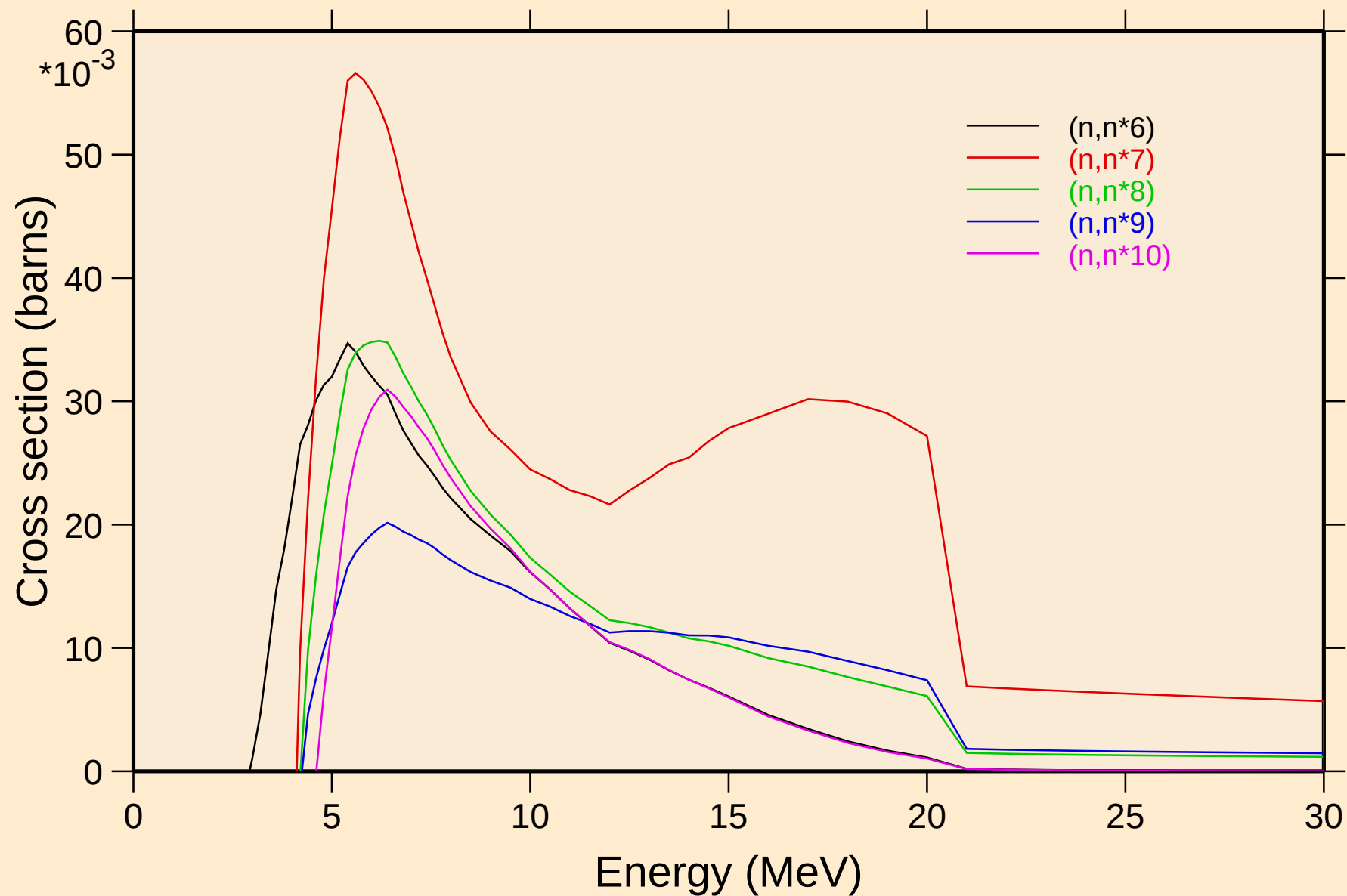
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels

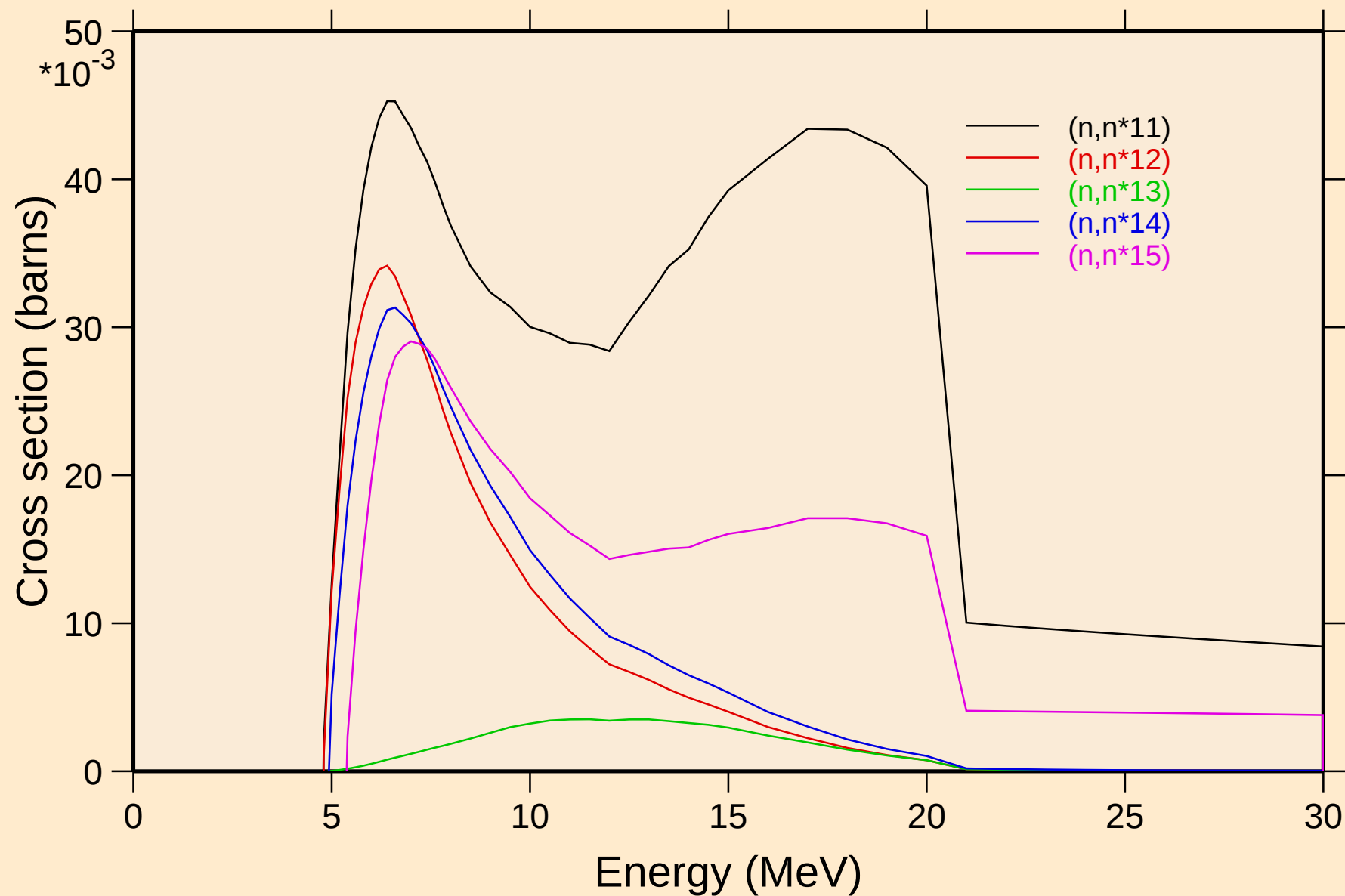


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels



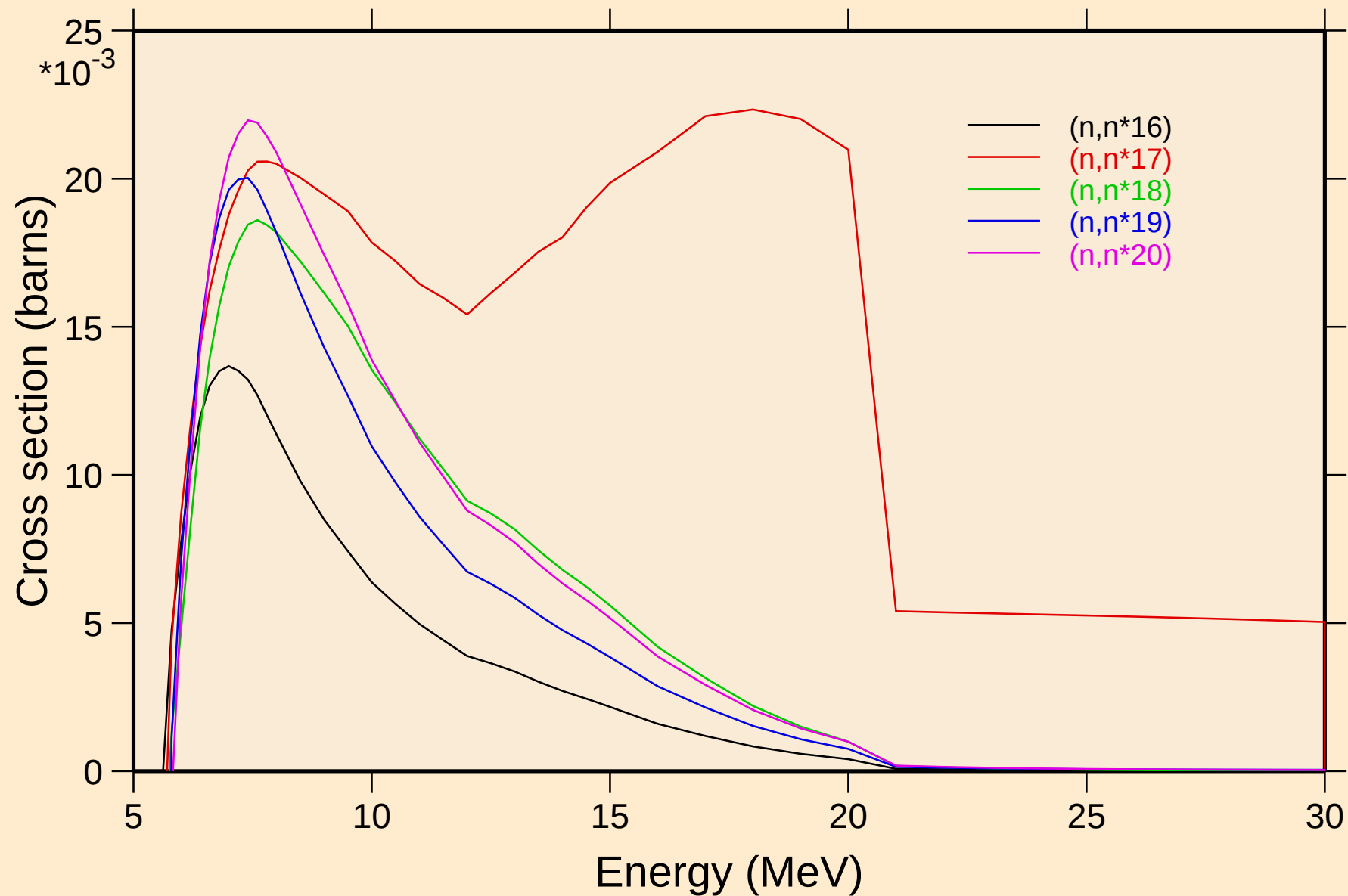
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Inelastic levels



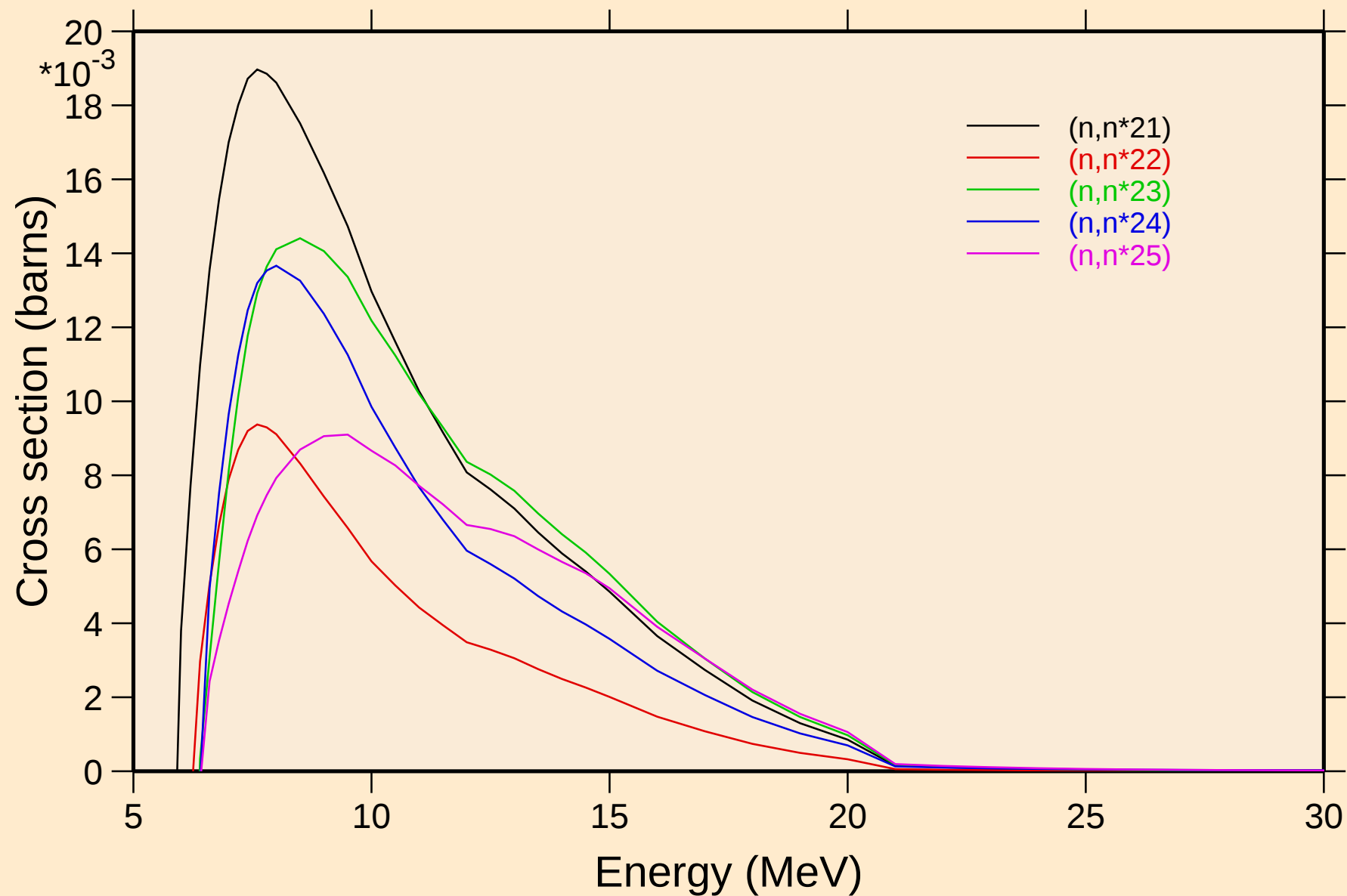
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Inelastic levels



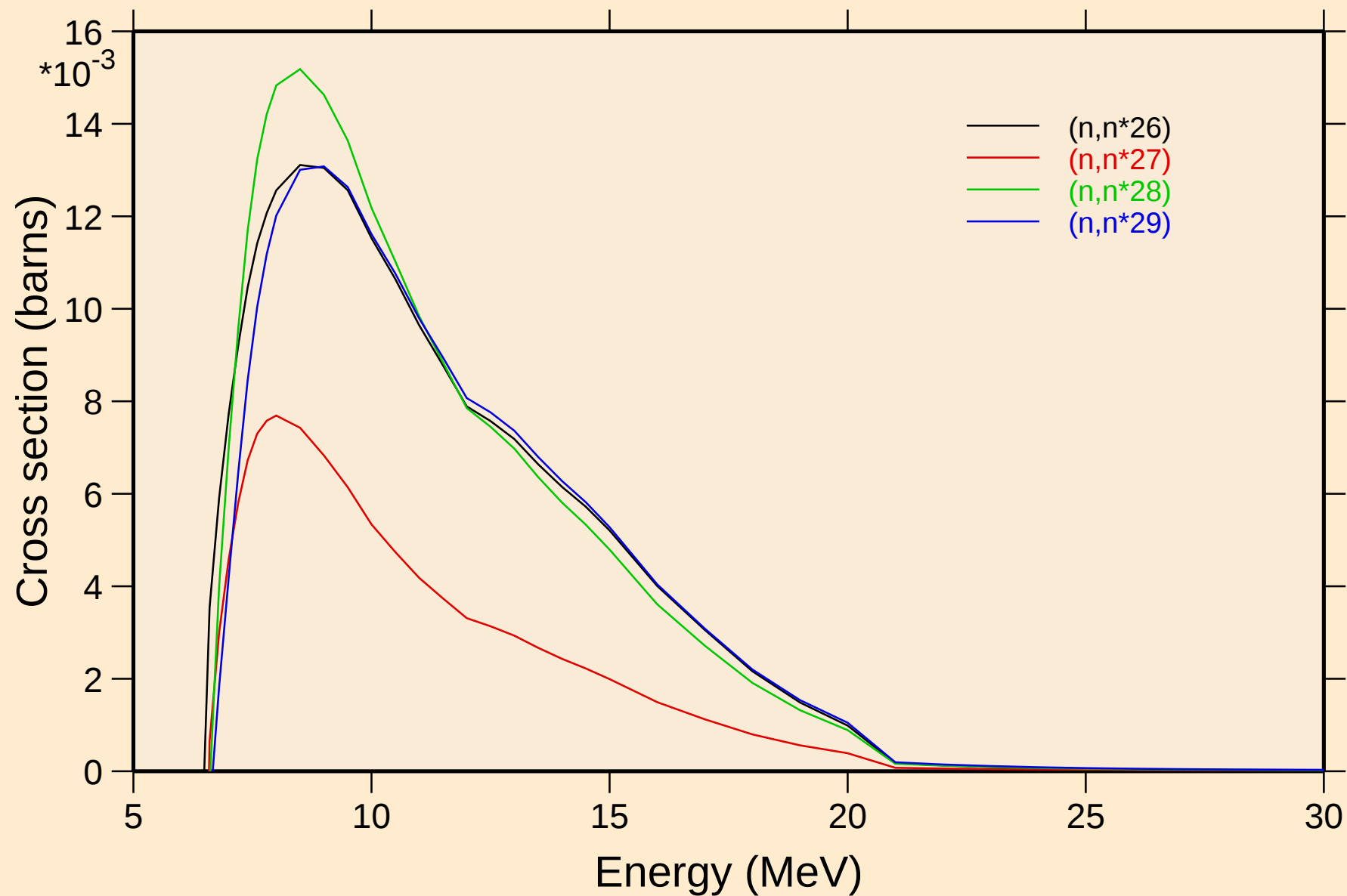
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Inelastic levels



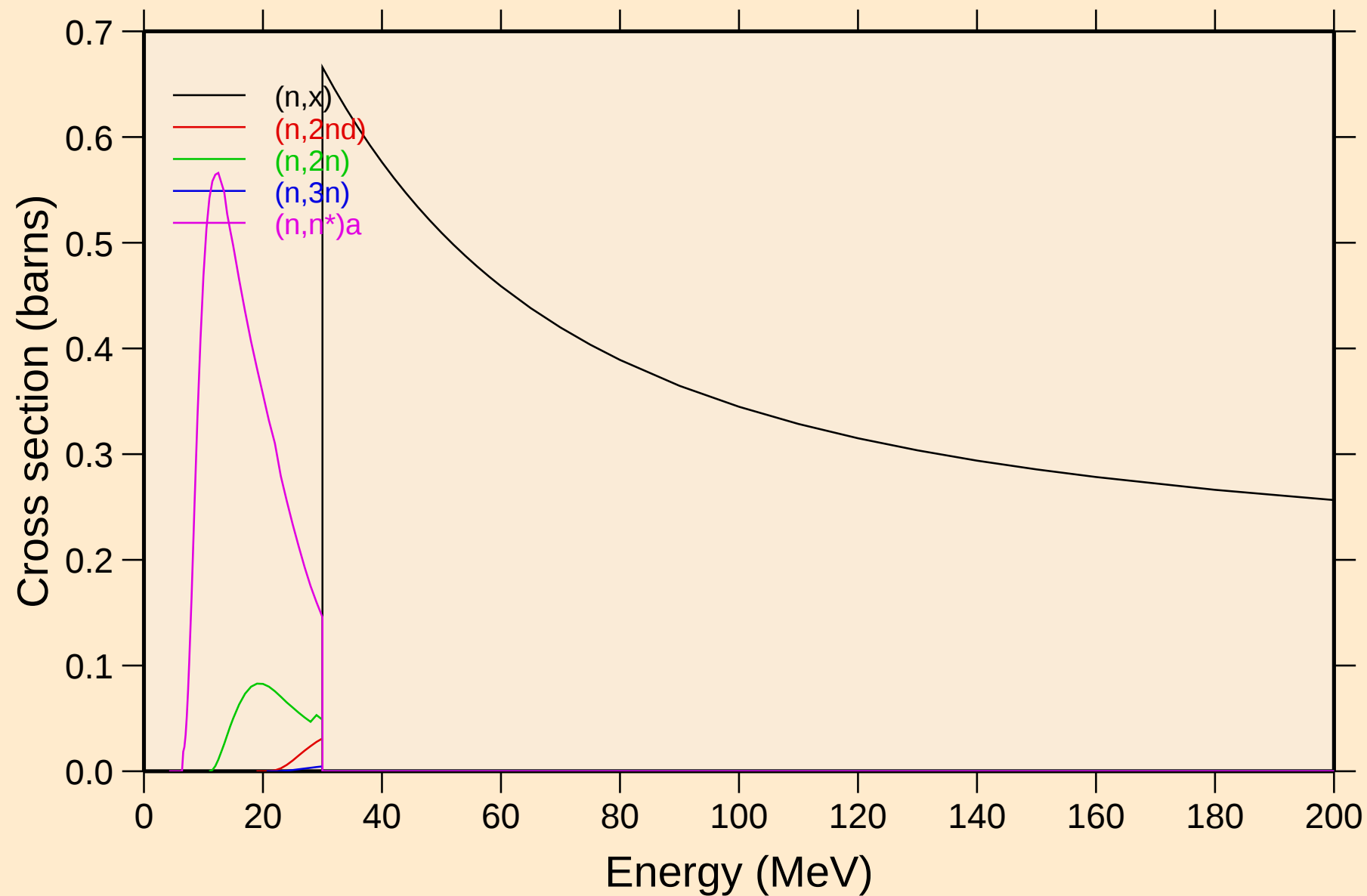
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Inelastic levels

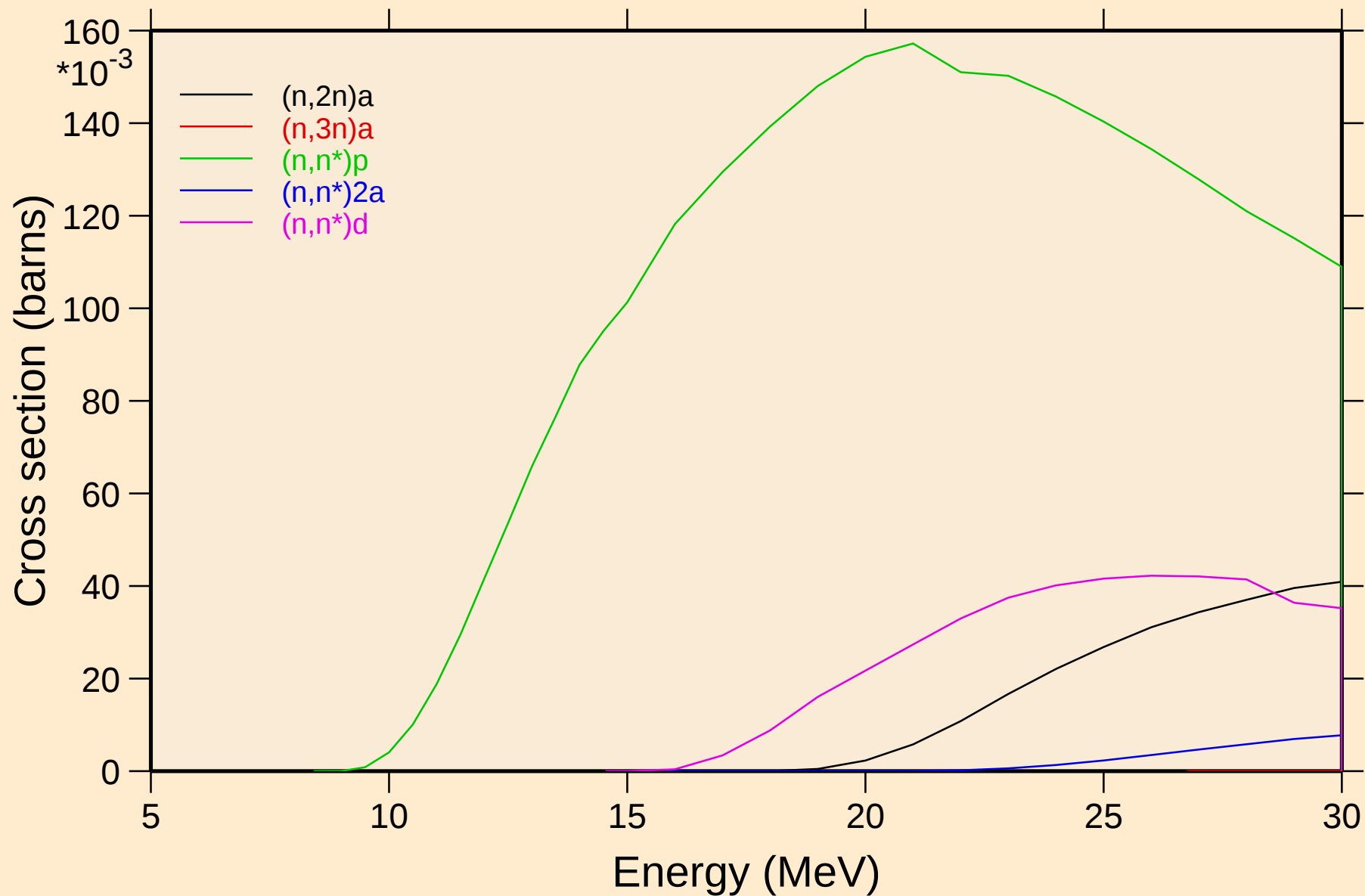


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

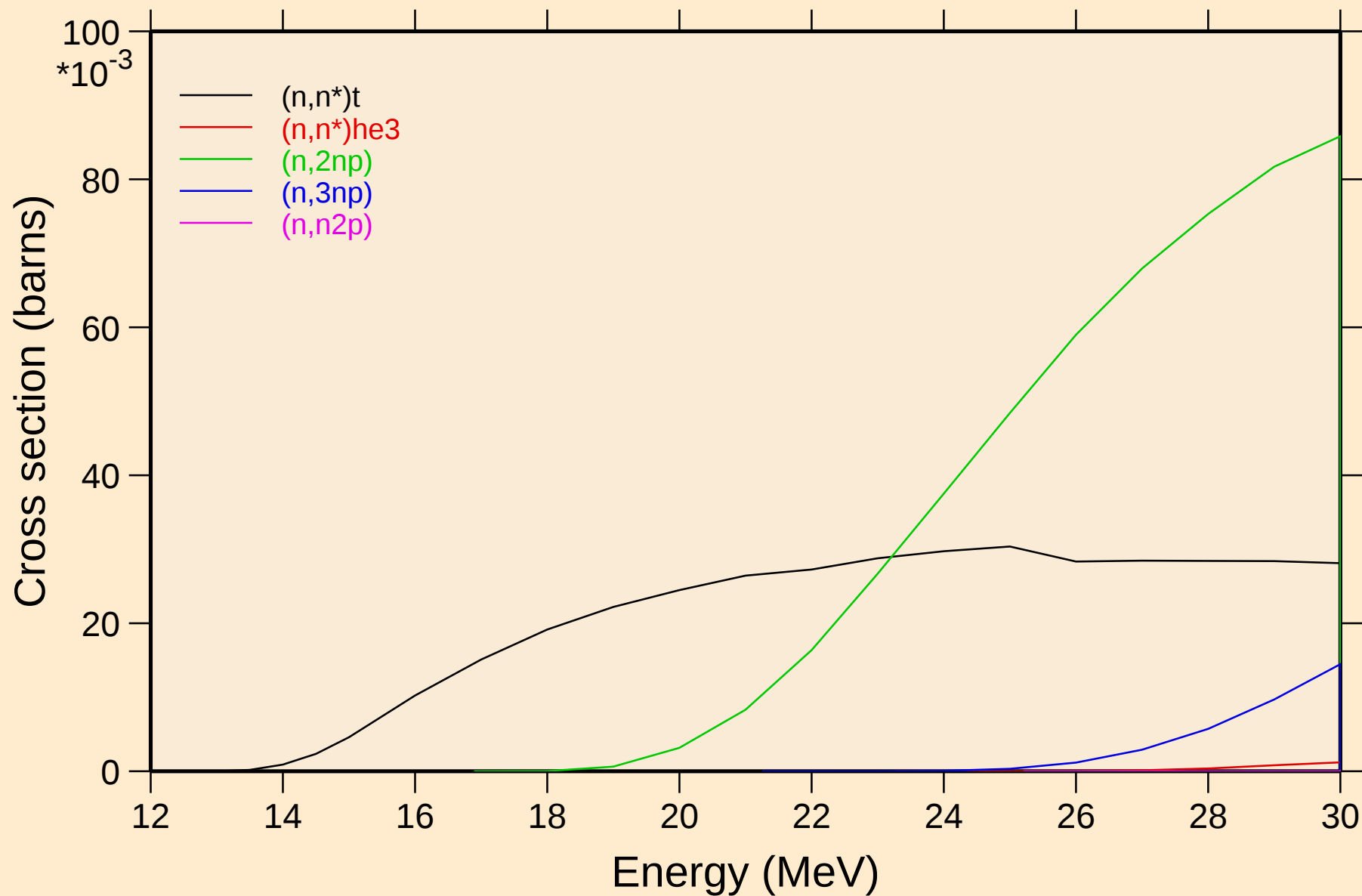


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions

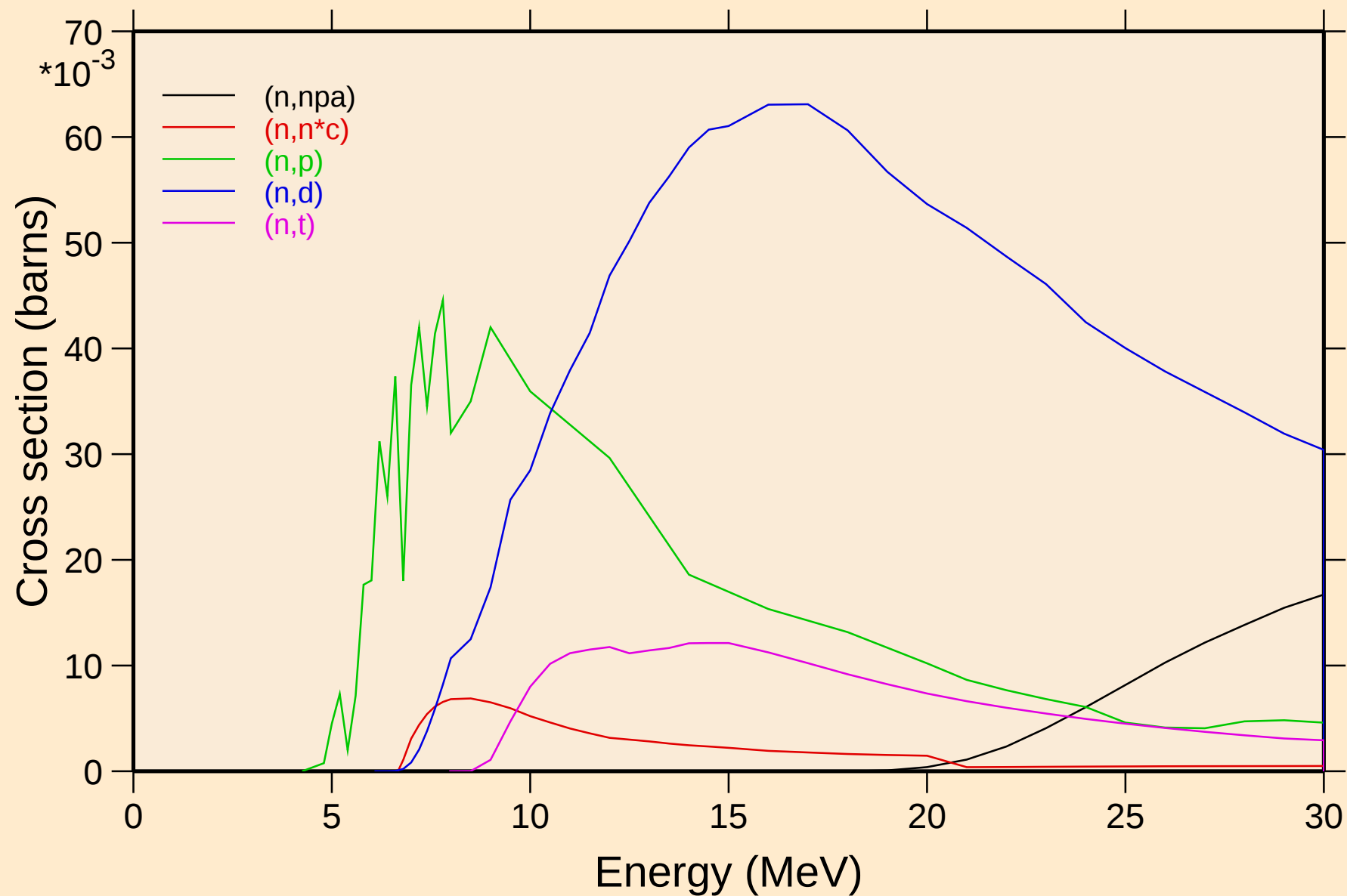


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

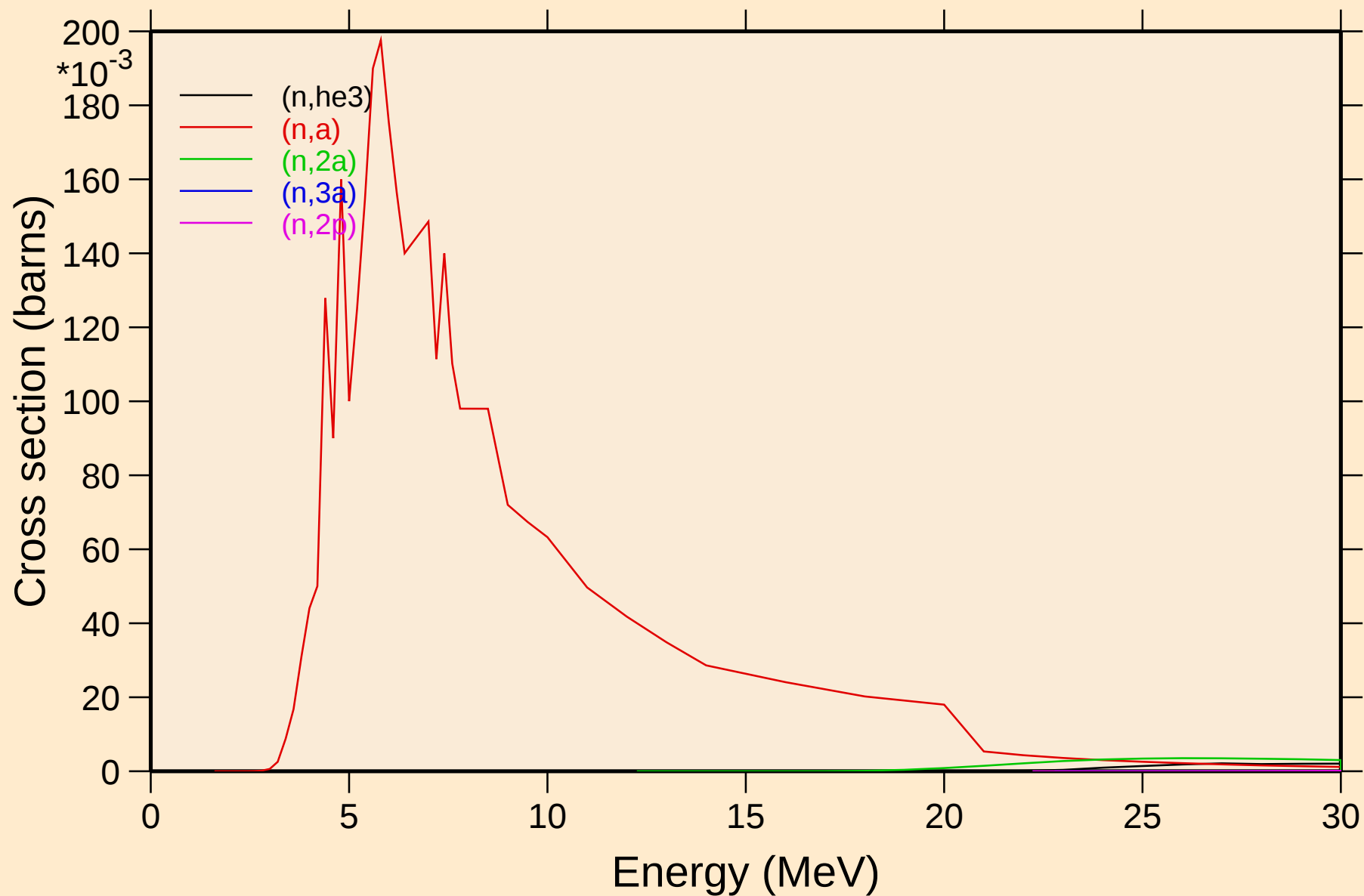


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions



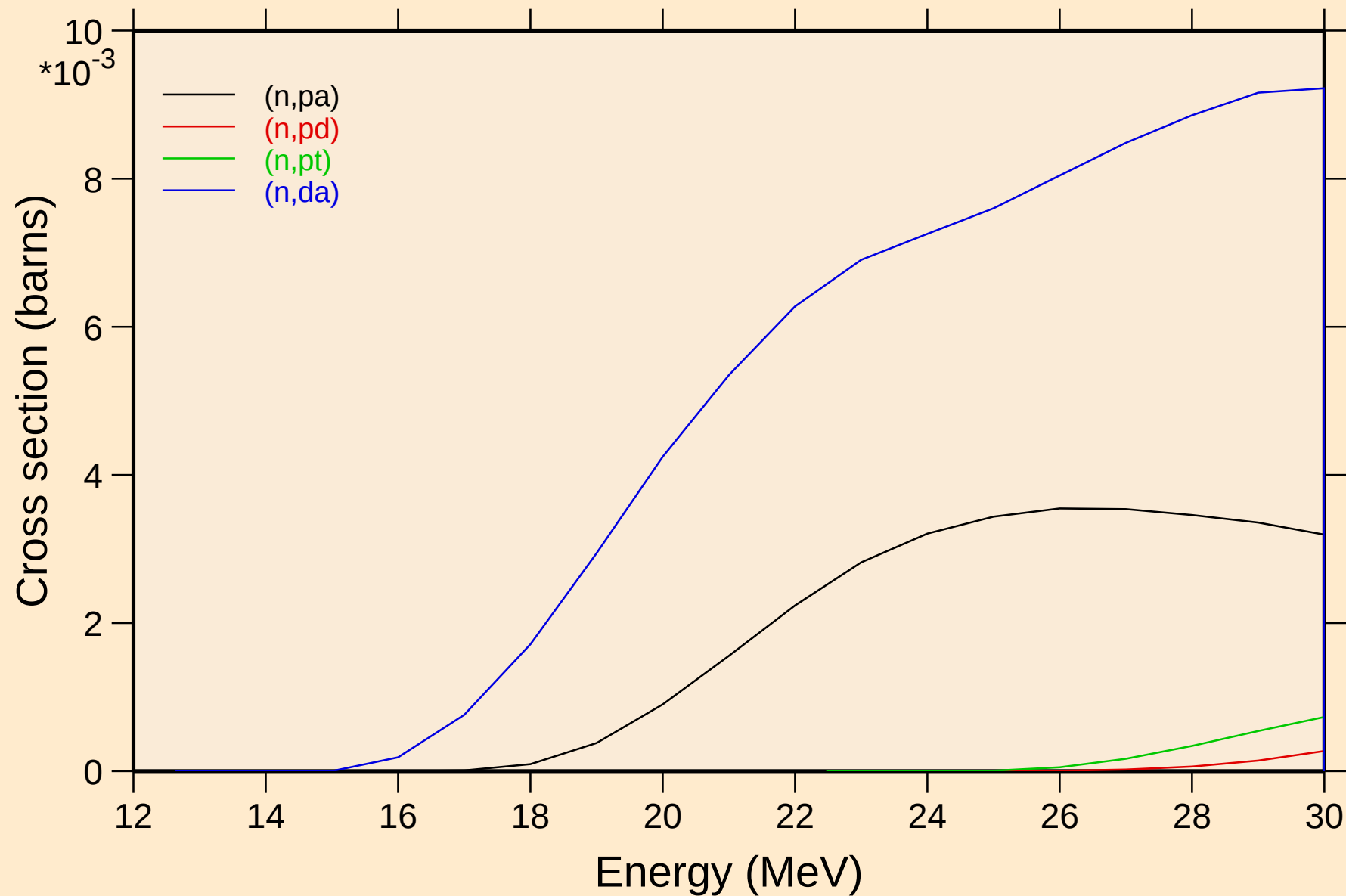
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Threshold reactions

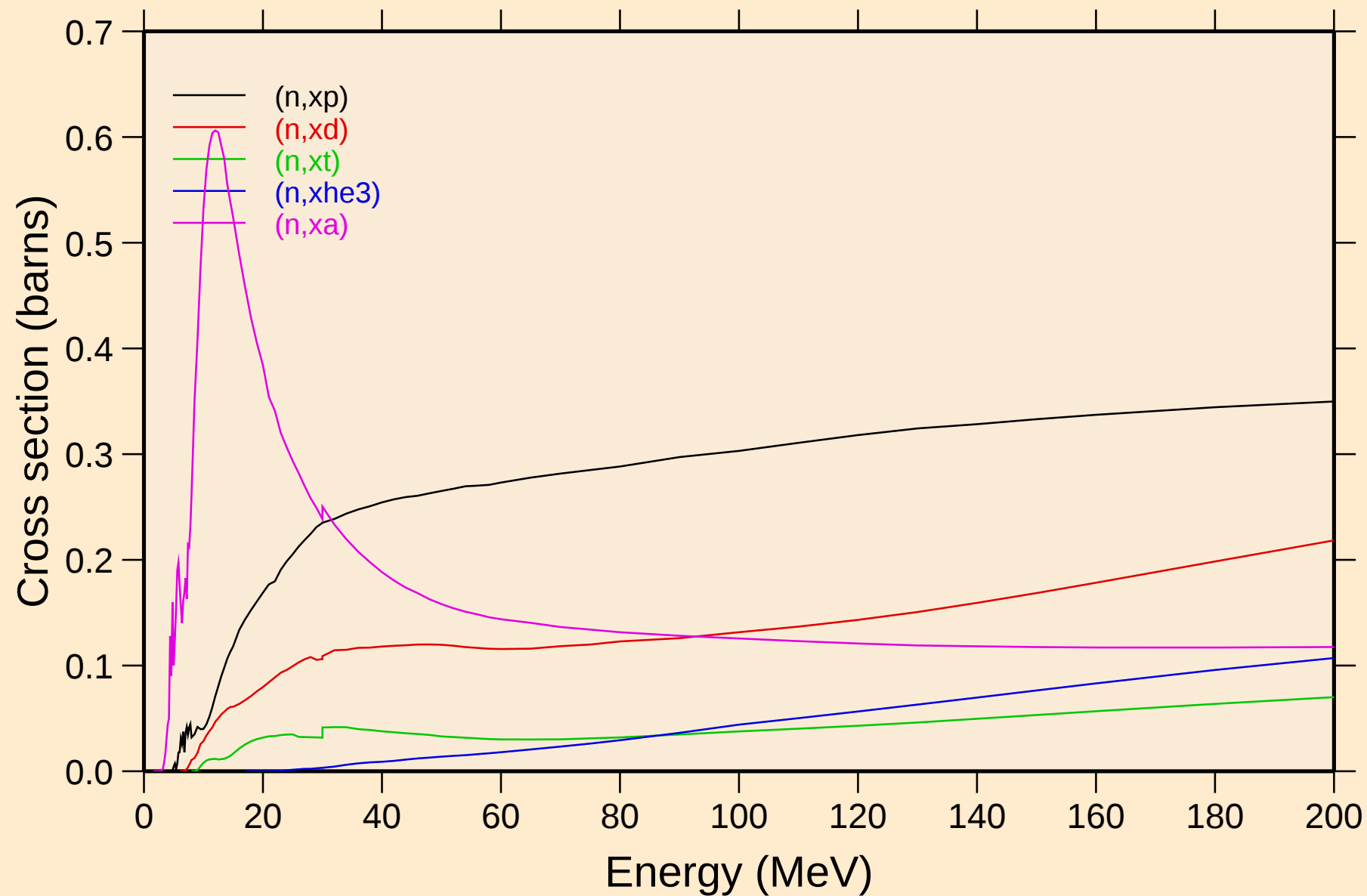


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

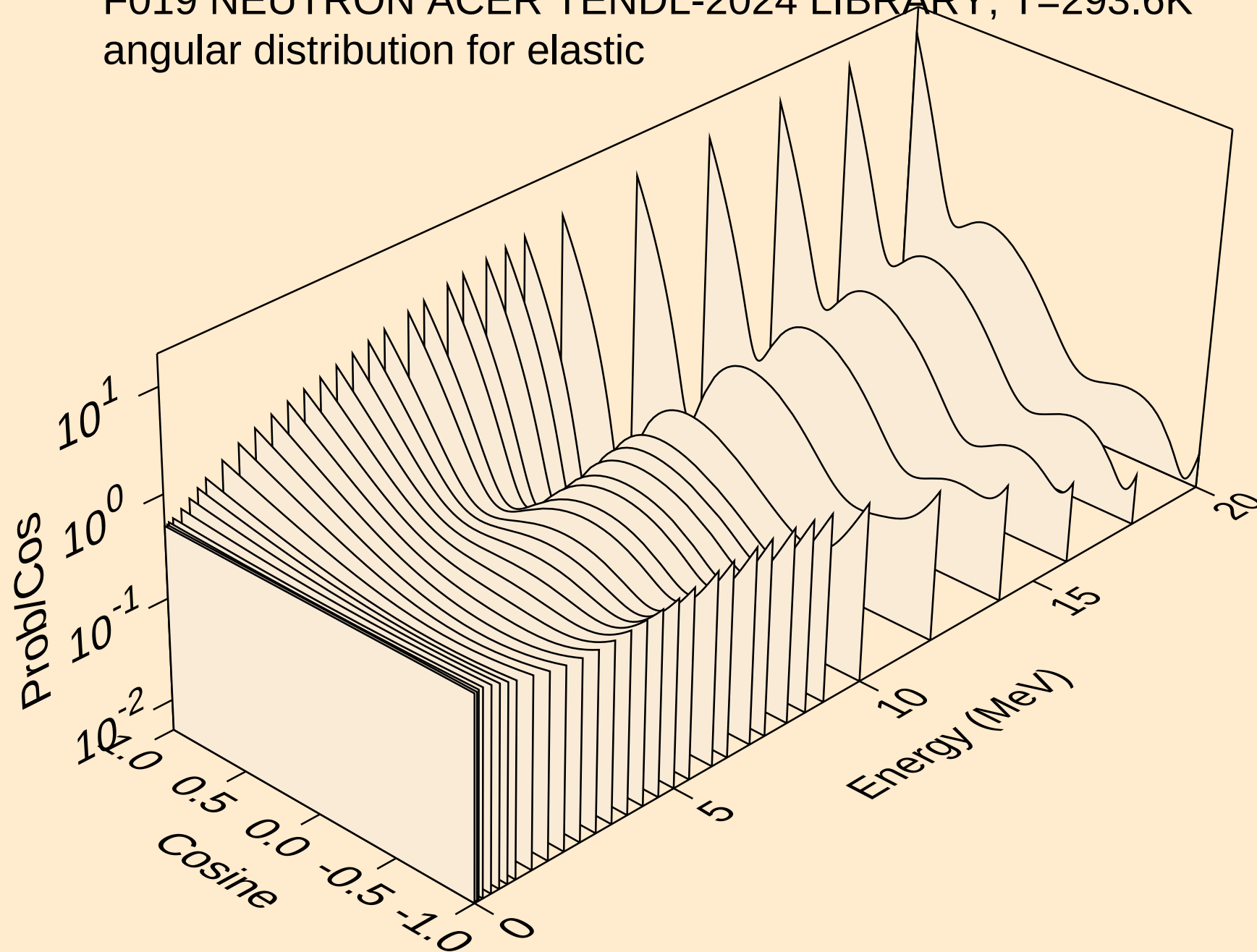
Threshold reactions



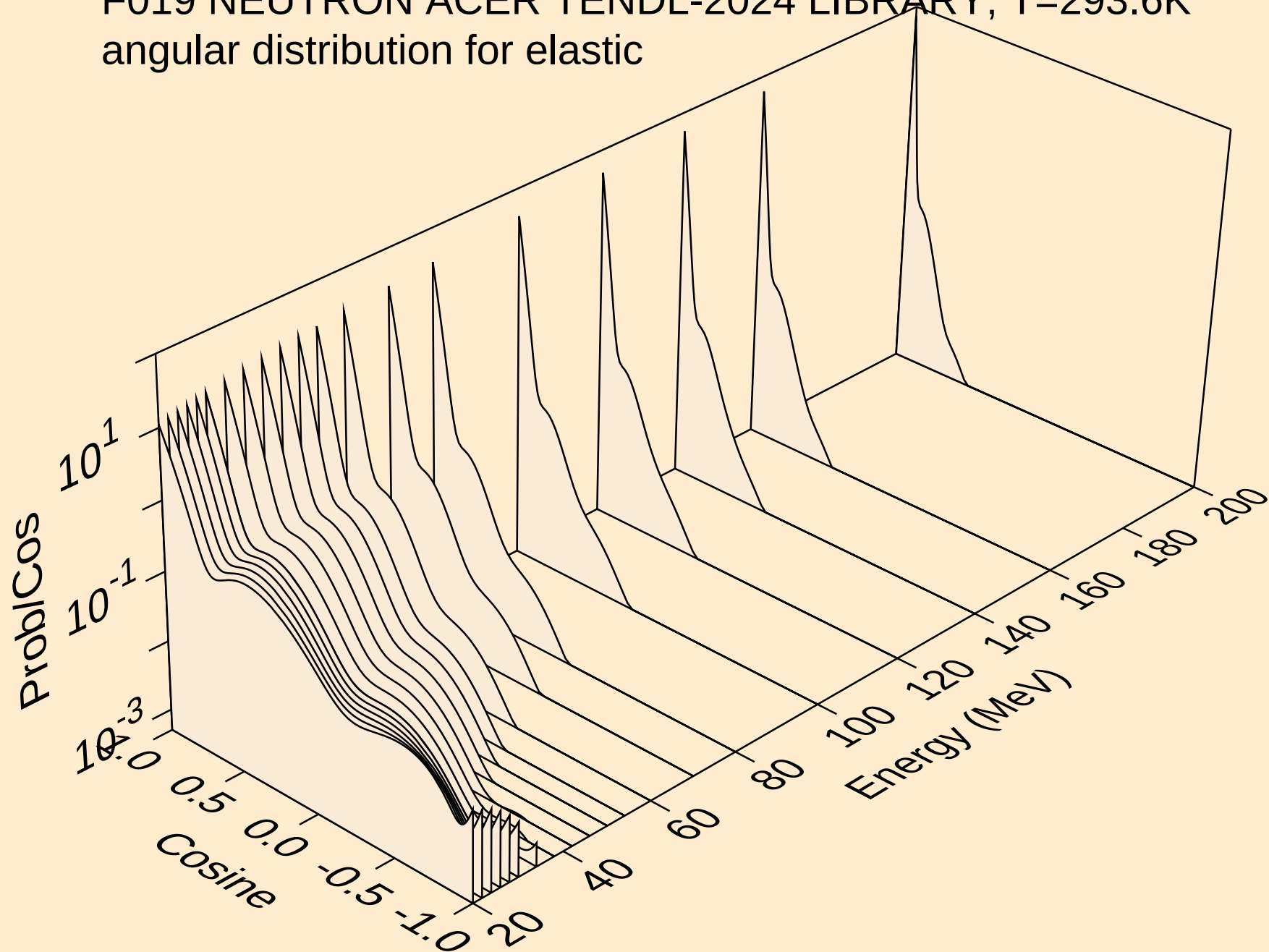
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions



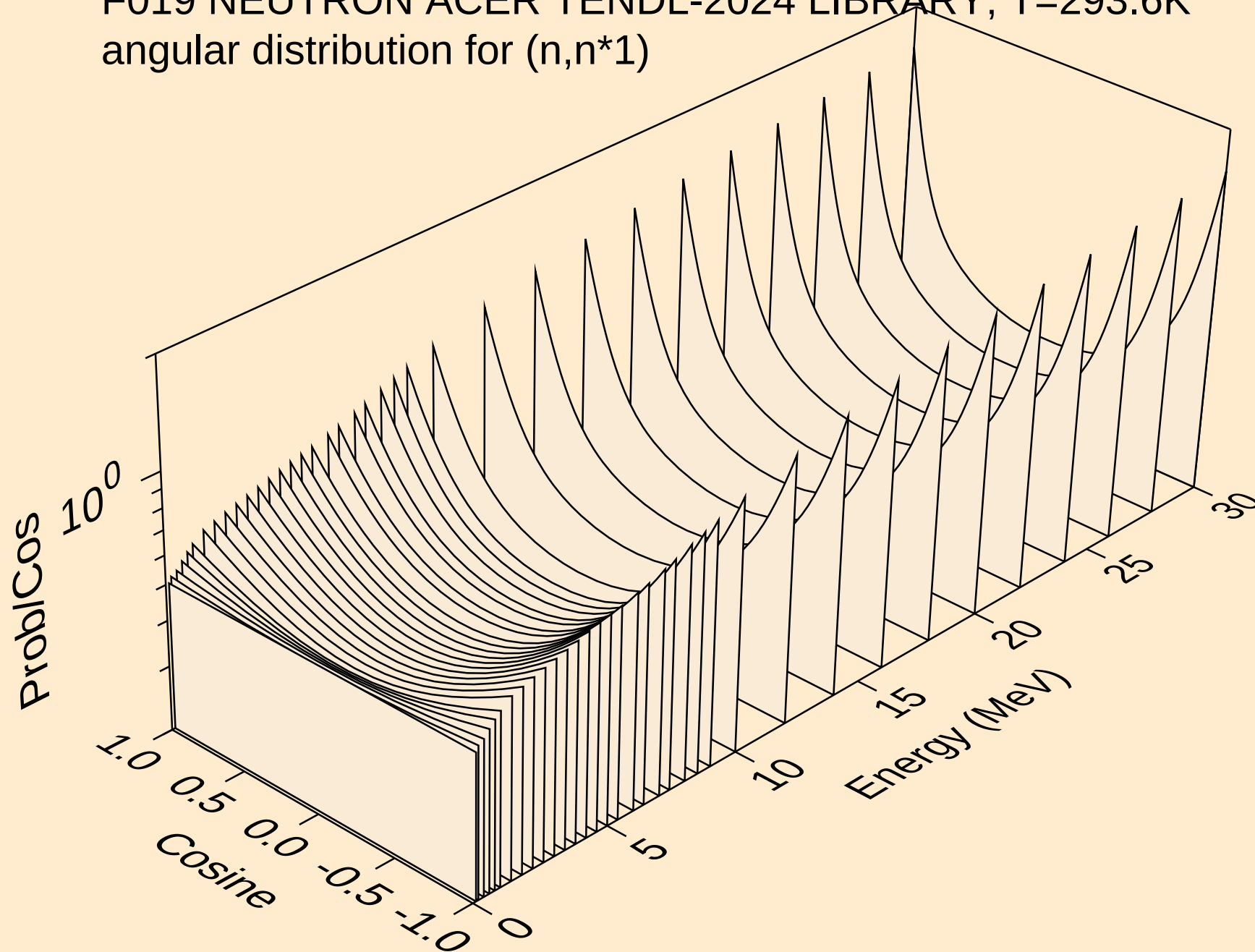
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



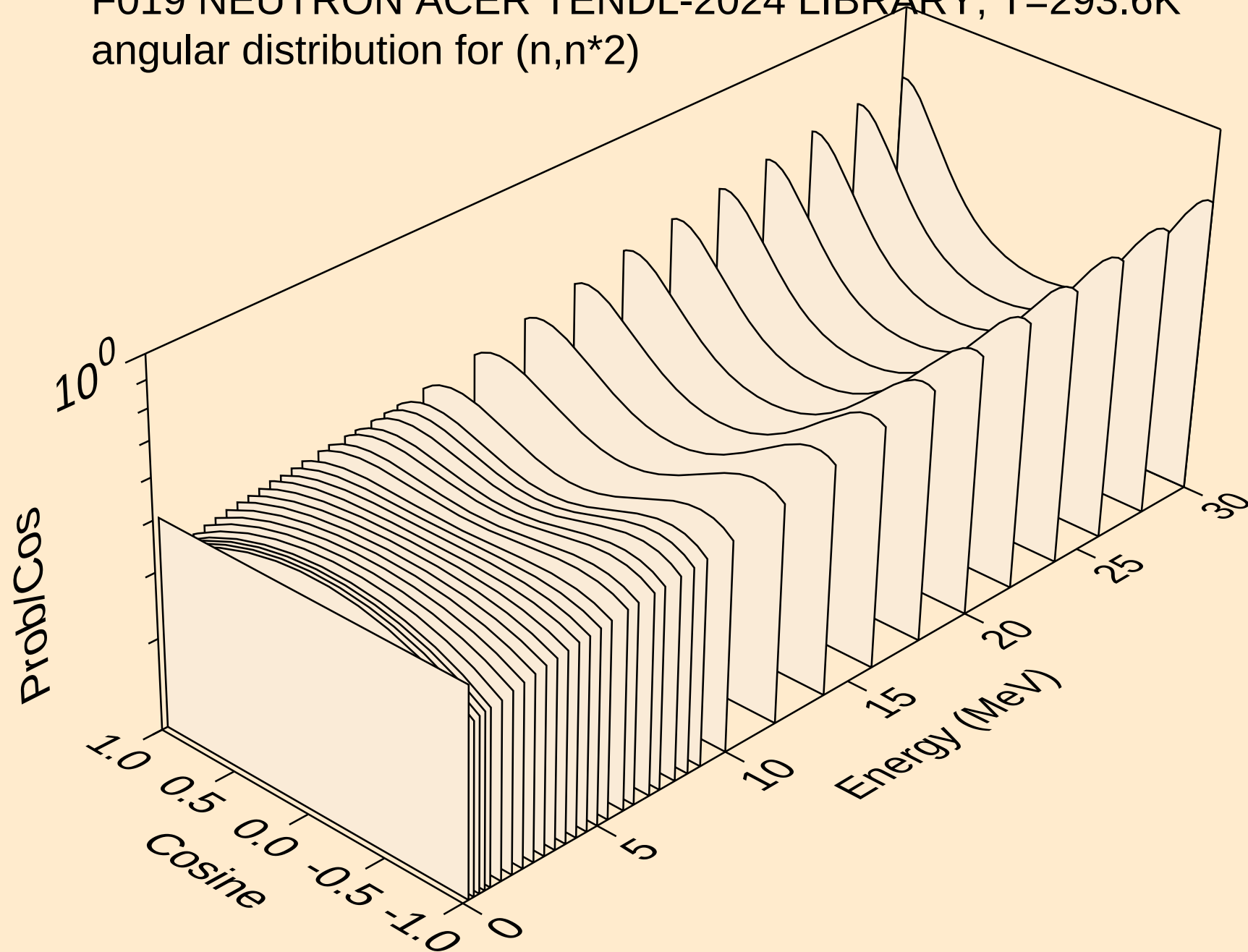
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for elastic



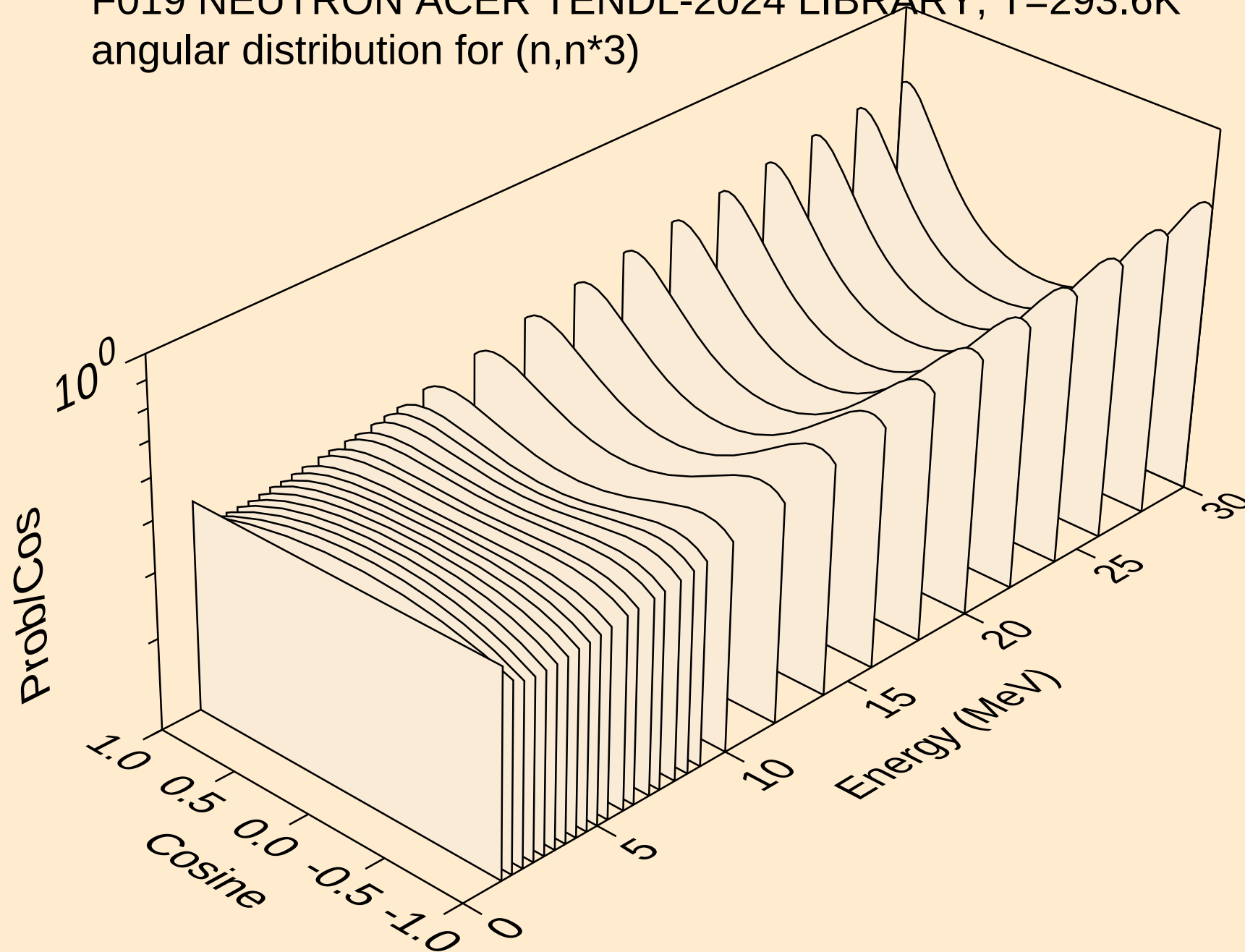
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)



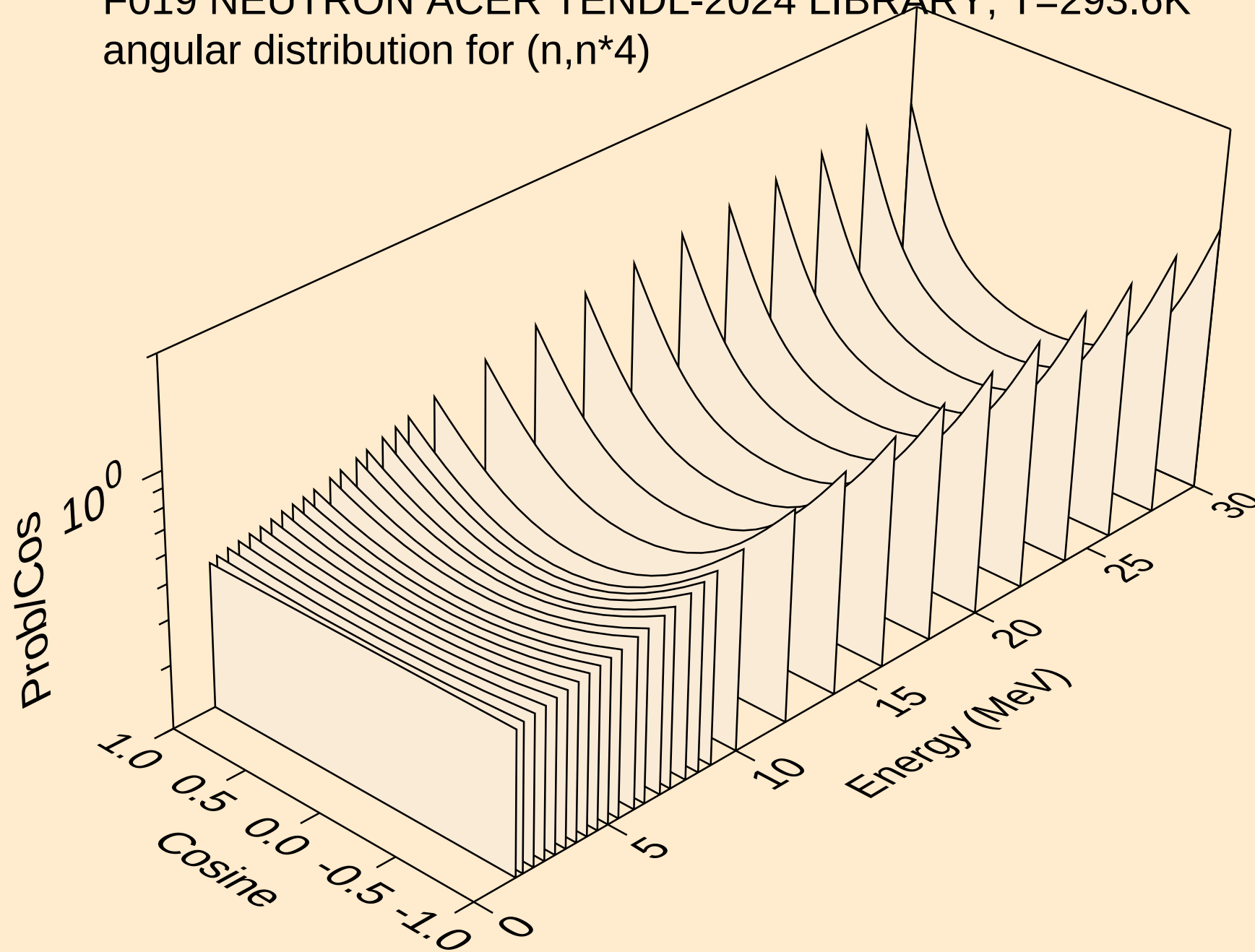
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angular distribution for (n,n*2)



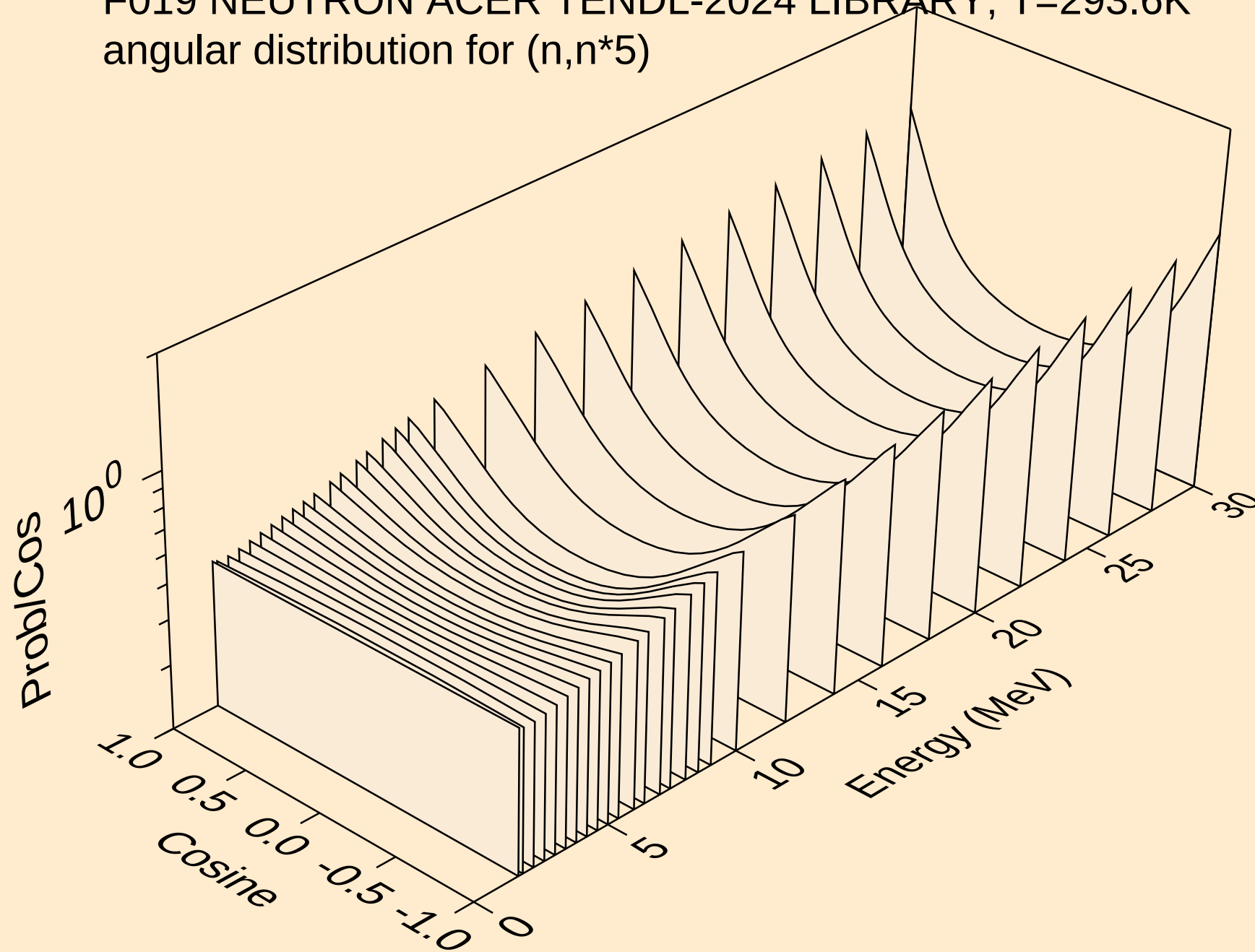
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angular distribution for (n,n*3)



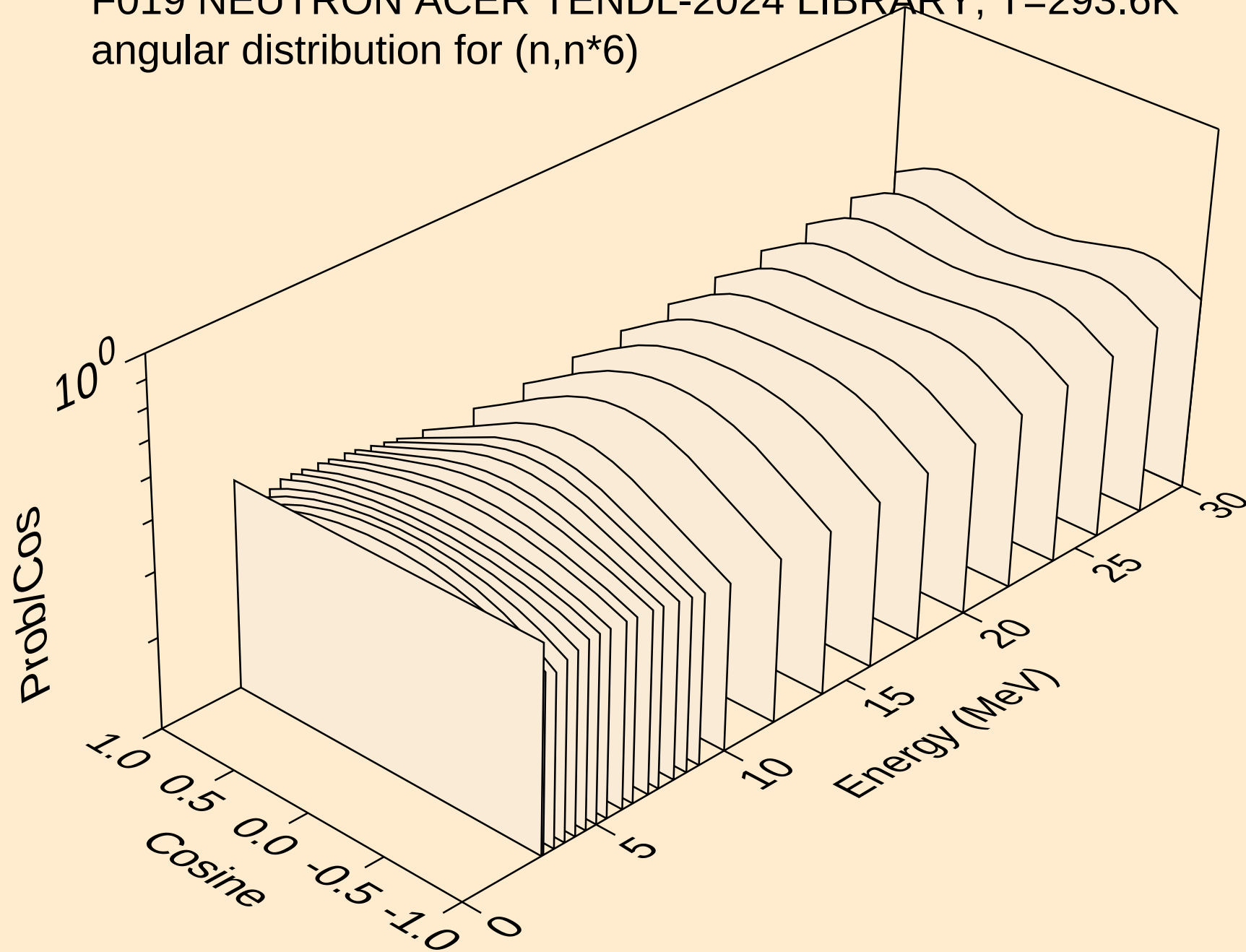
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*4)



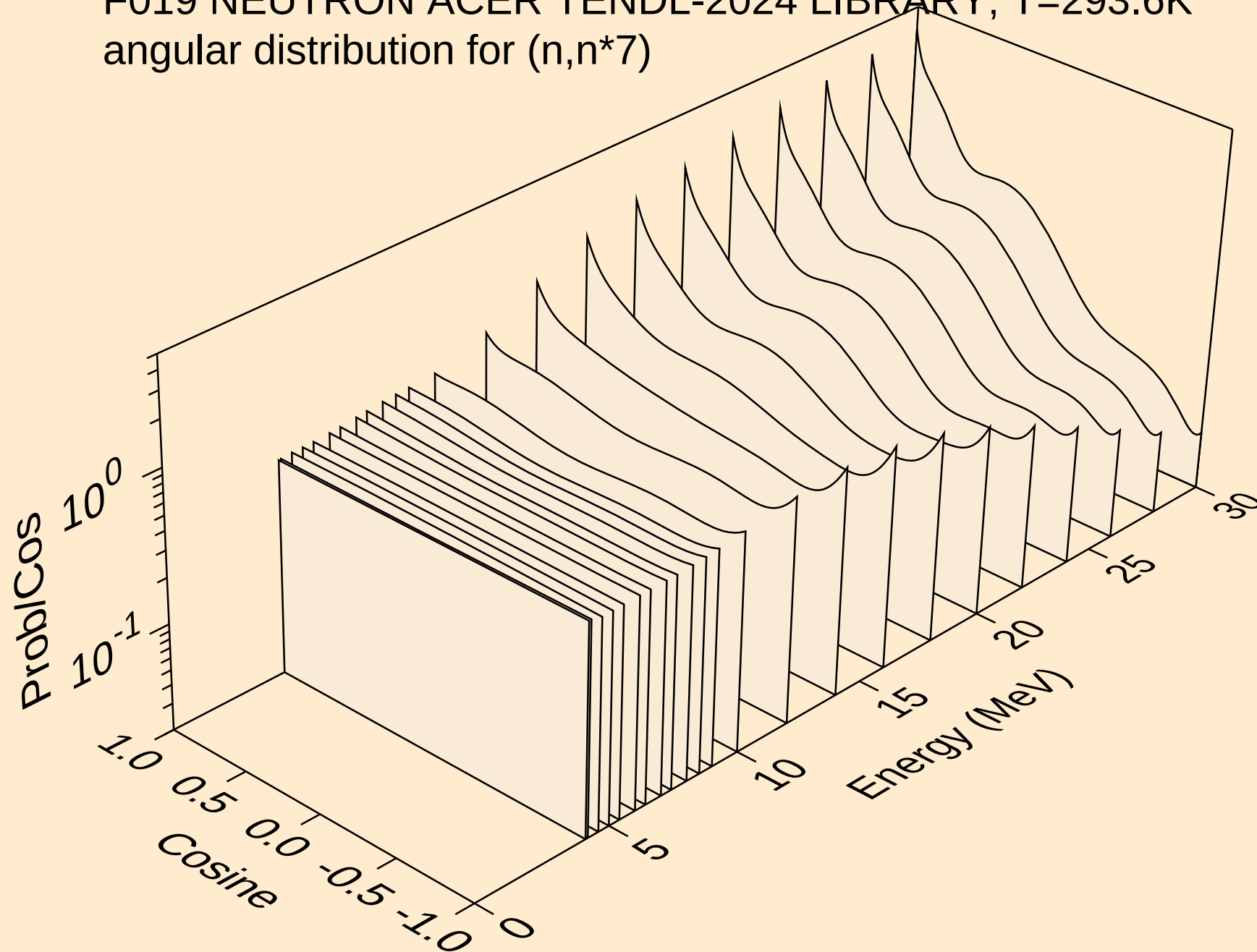
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angular distribution for (n,n*5)



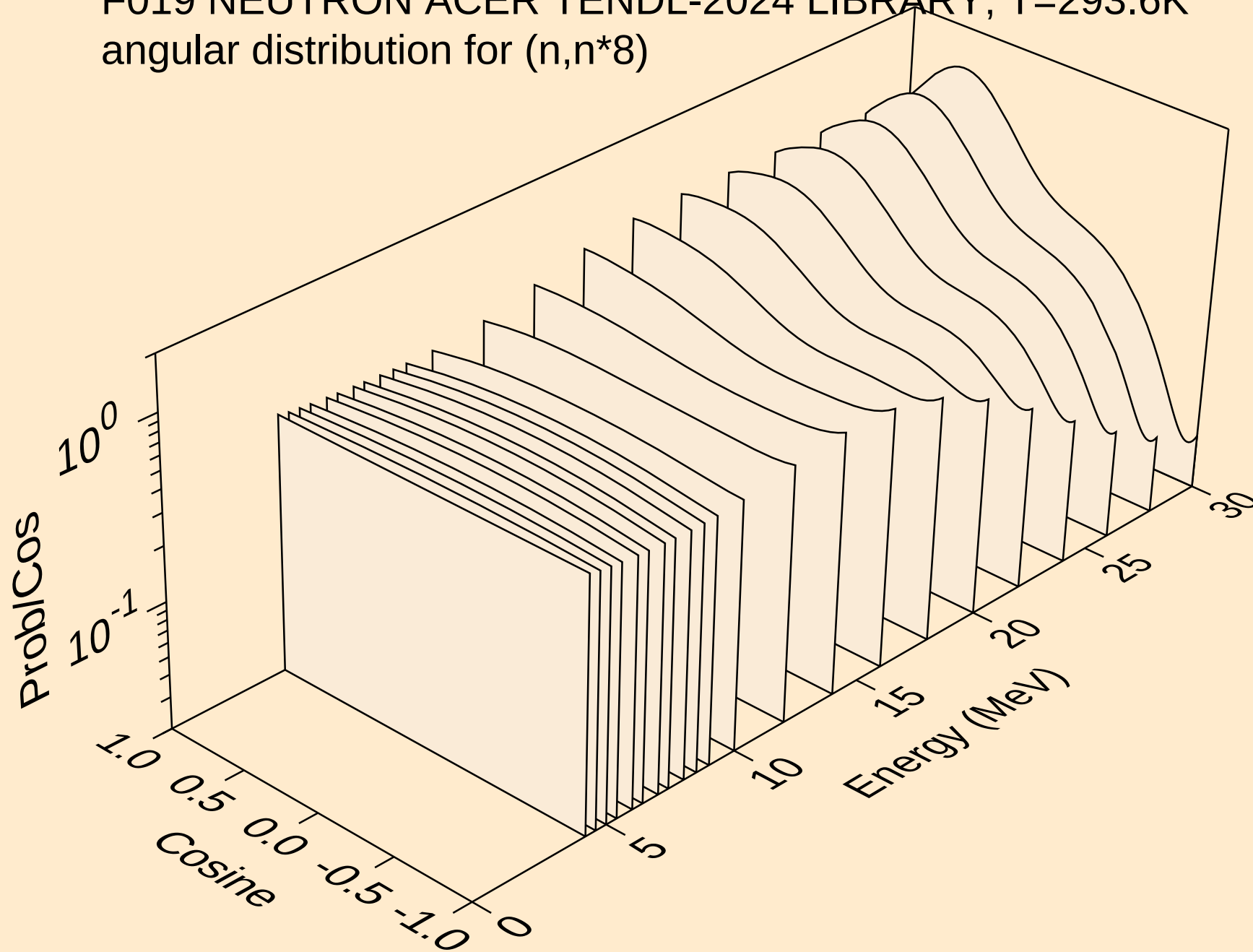
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*6)



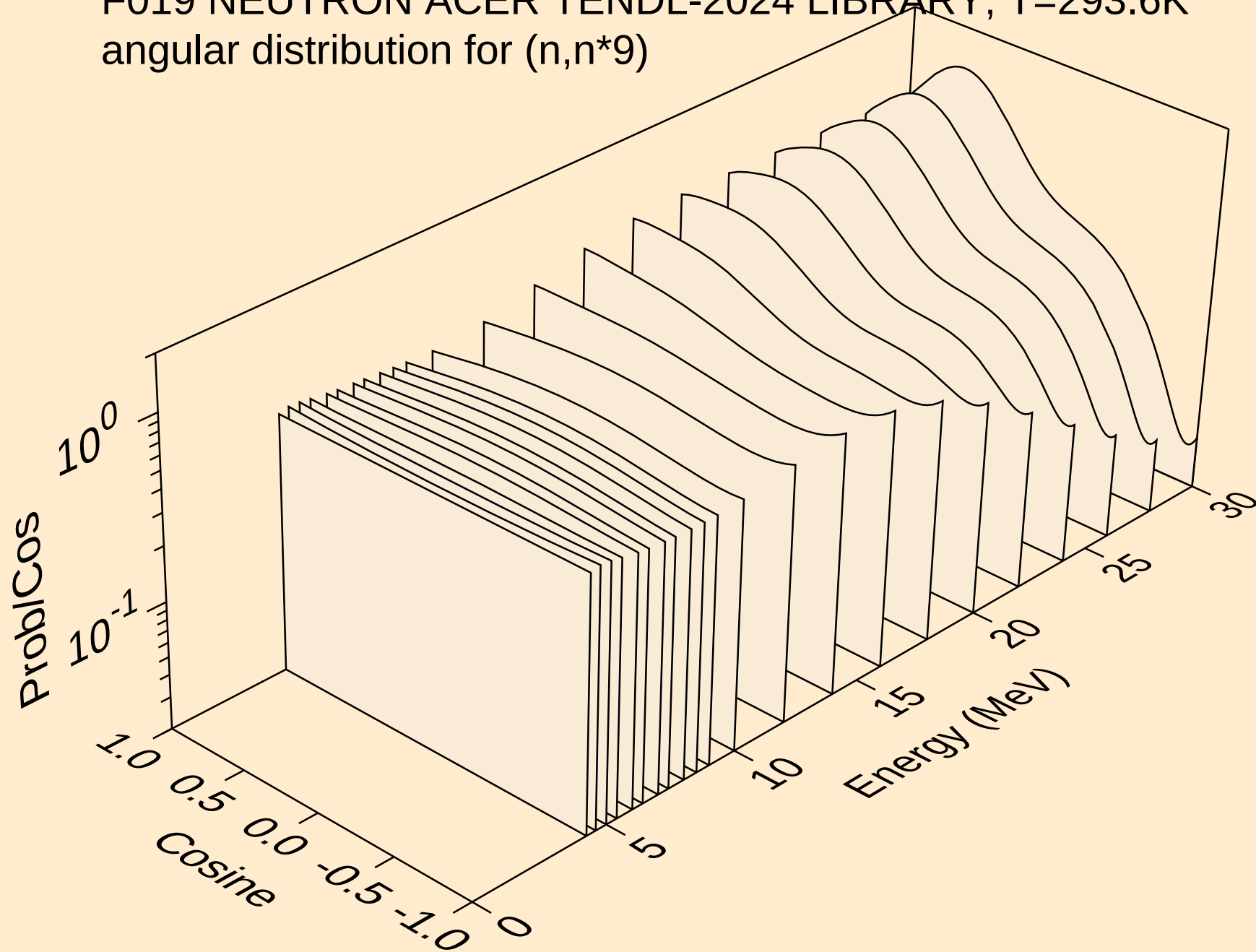
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angular distribution for (n,n*7)



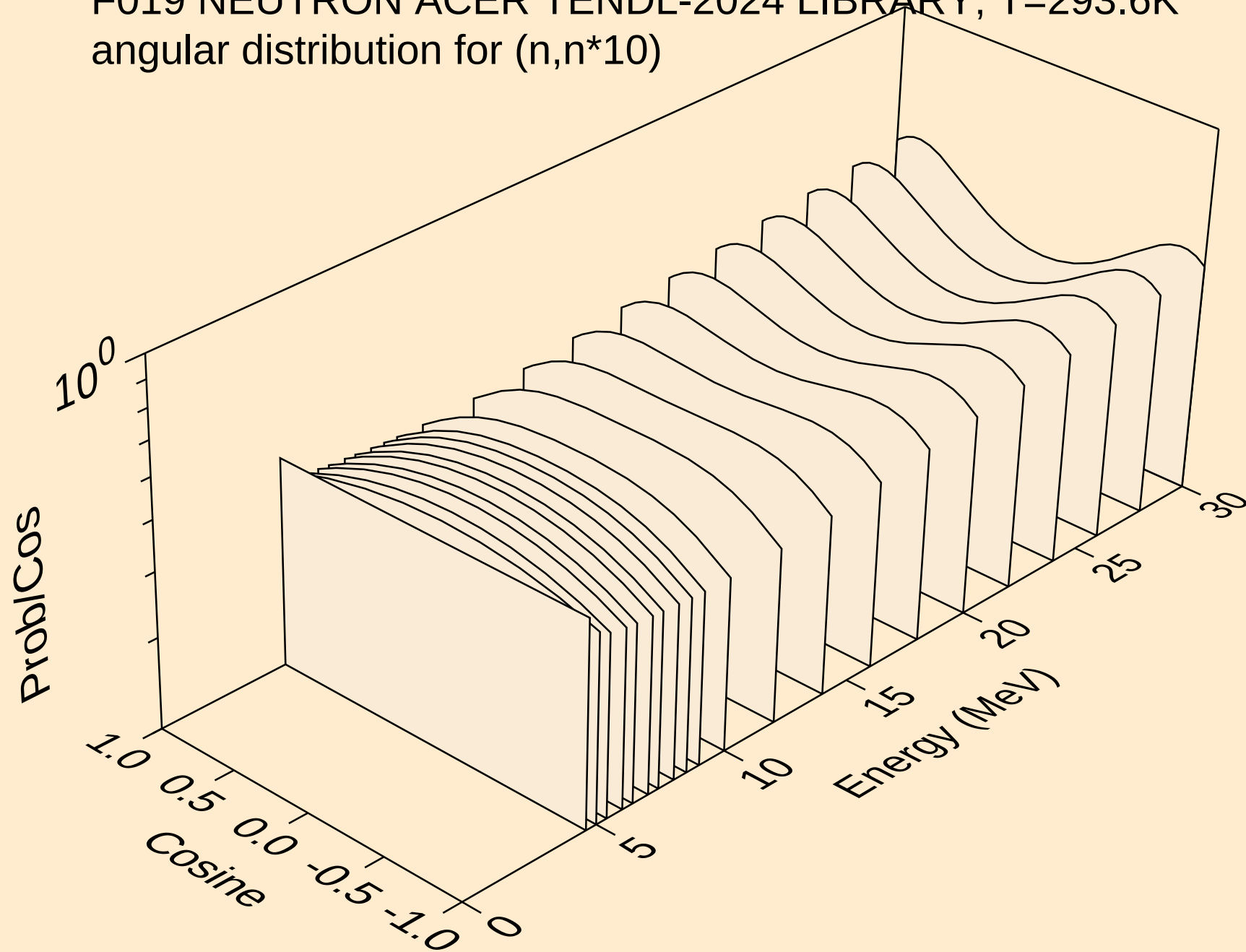
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angular distribution for (n,n*8)



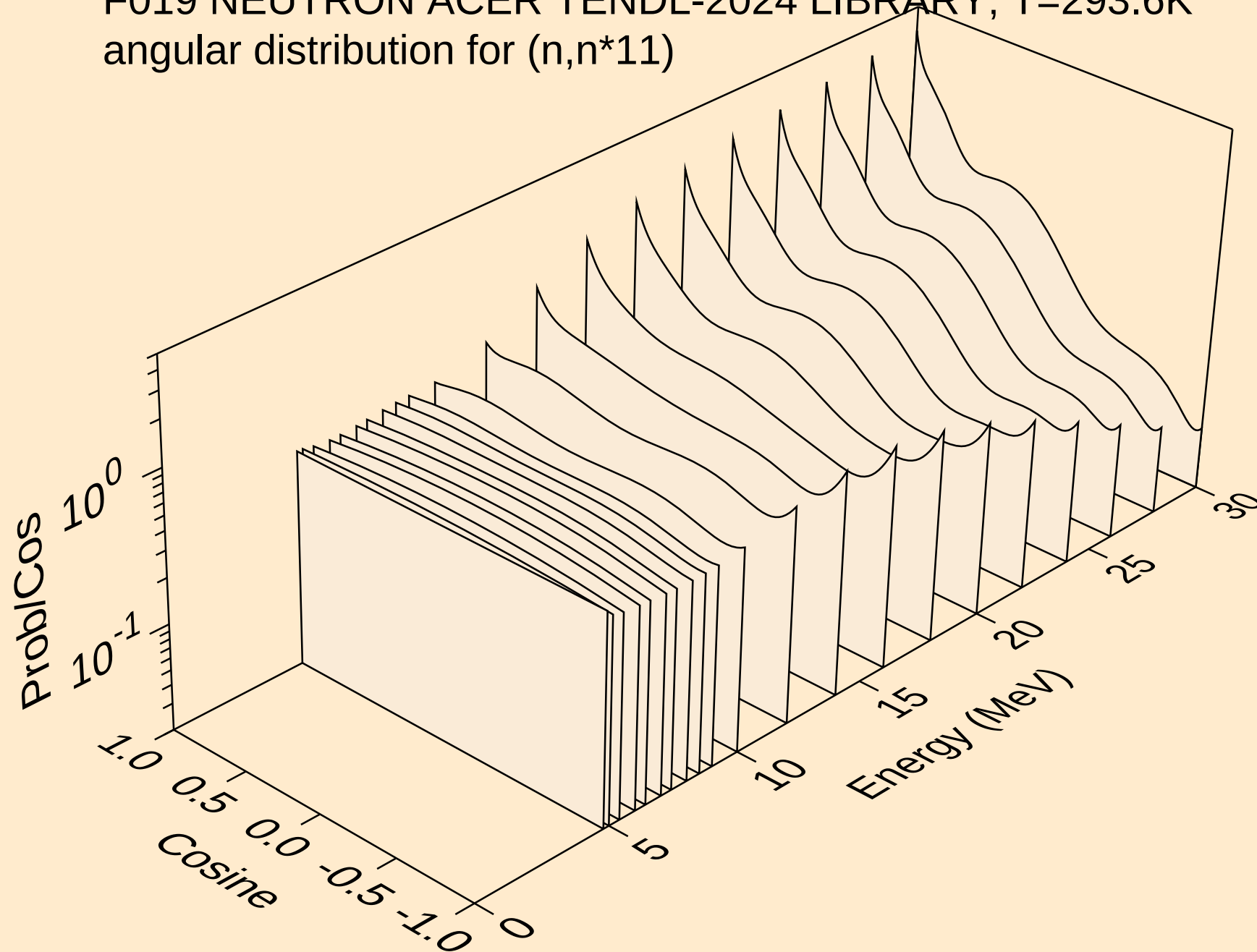
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angular distribution for (n,n*9)



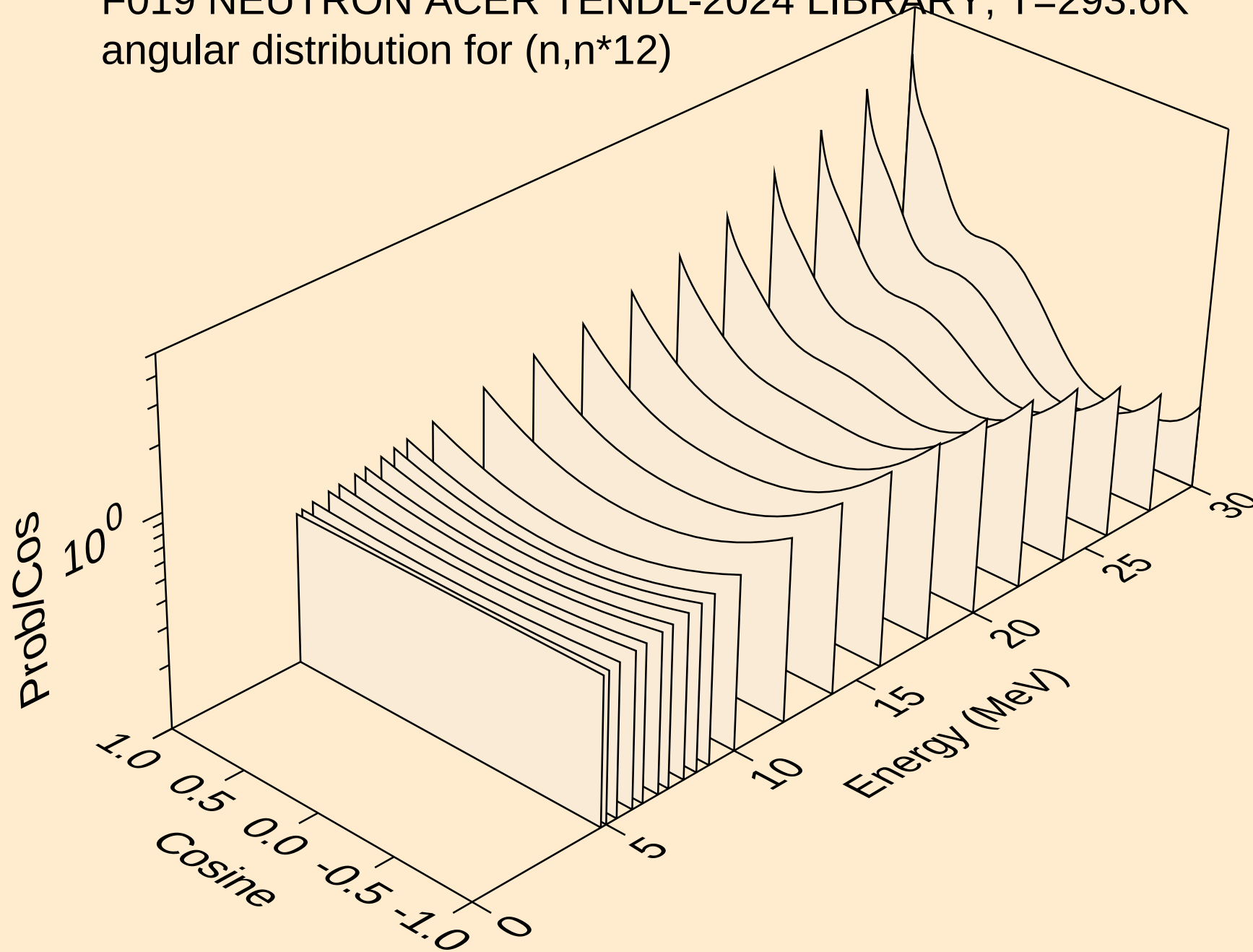
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angular distribution for (n,n*10)



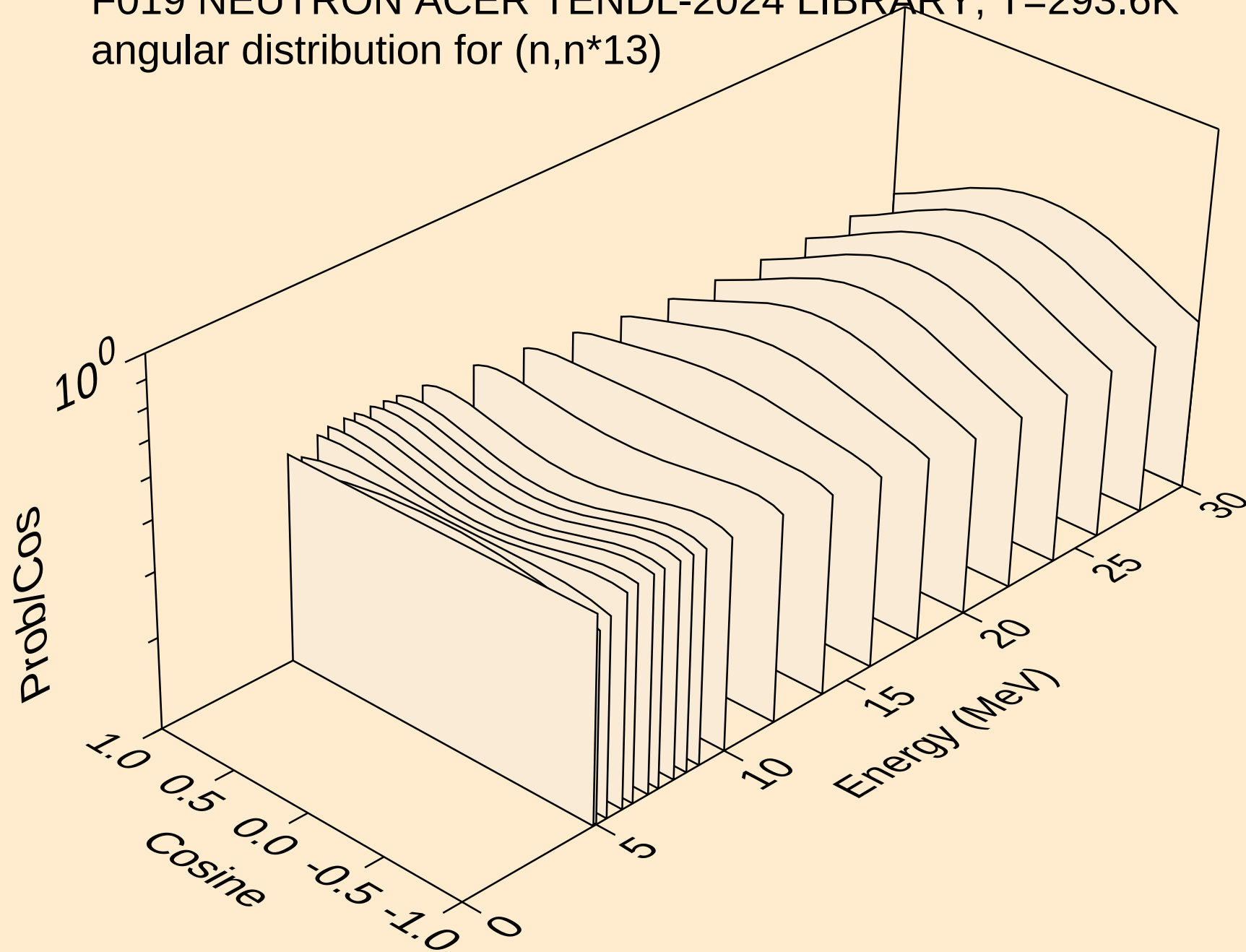
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angular distribution for (n,n*11)



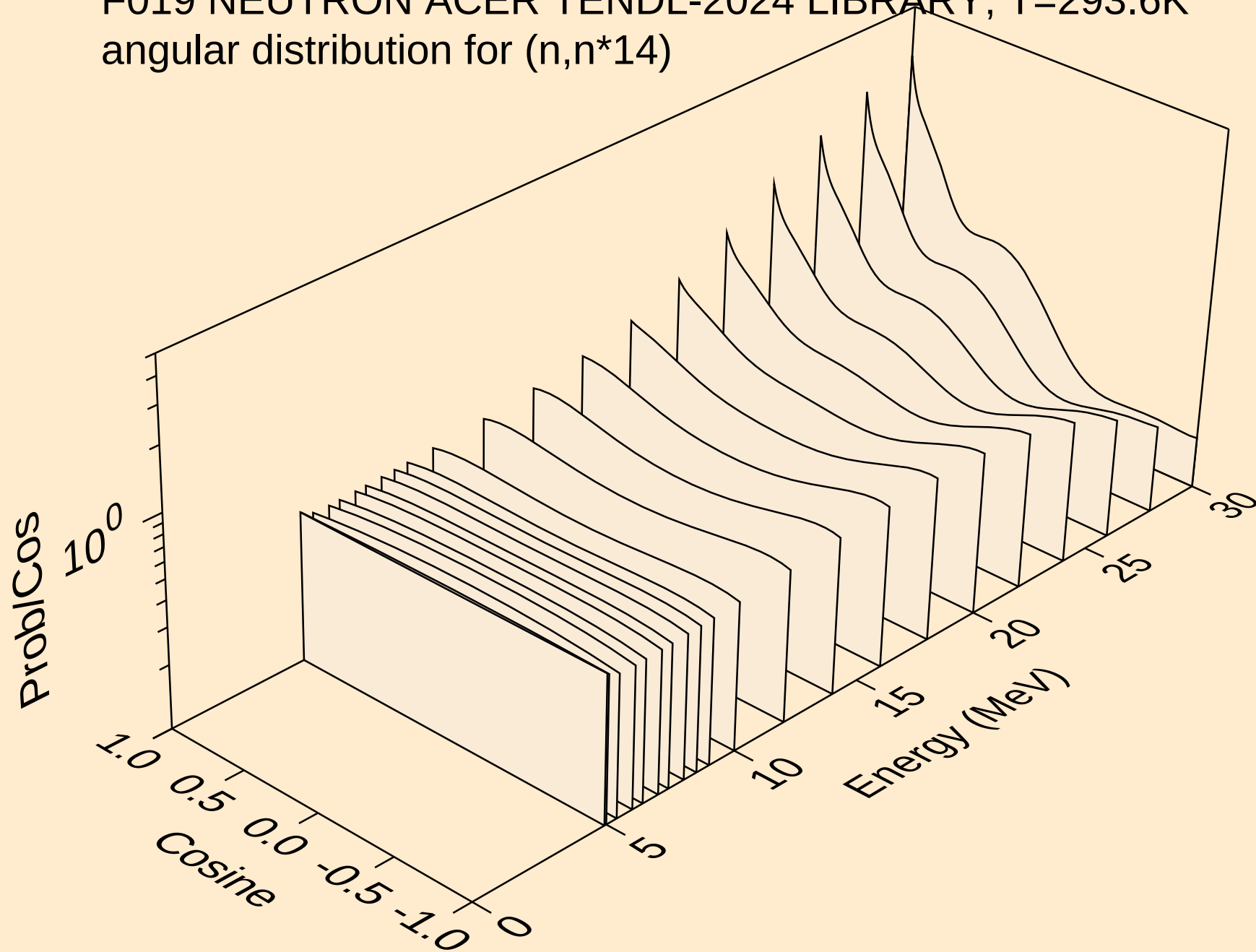
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angular distribution for (n,n*12)



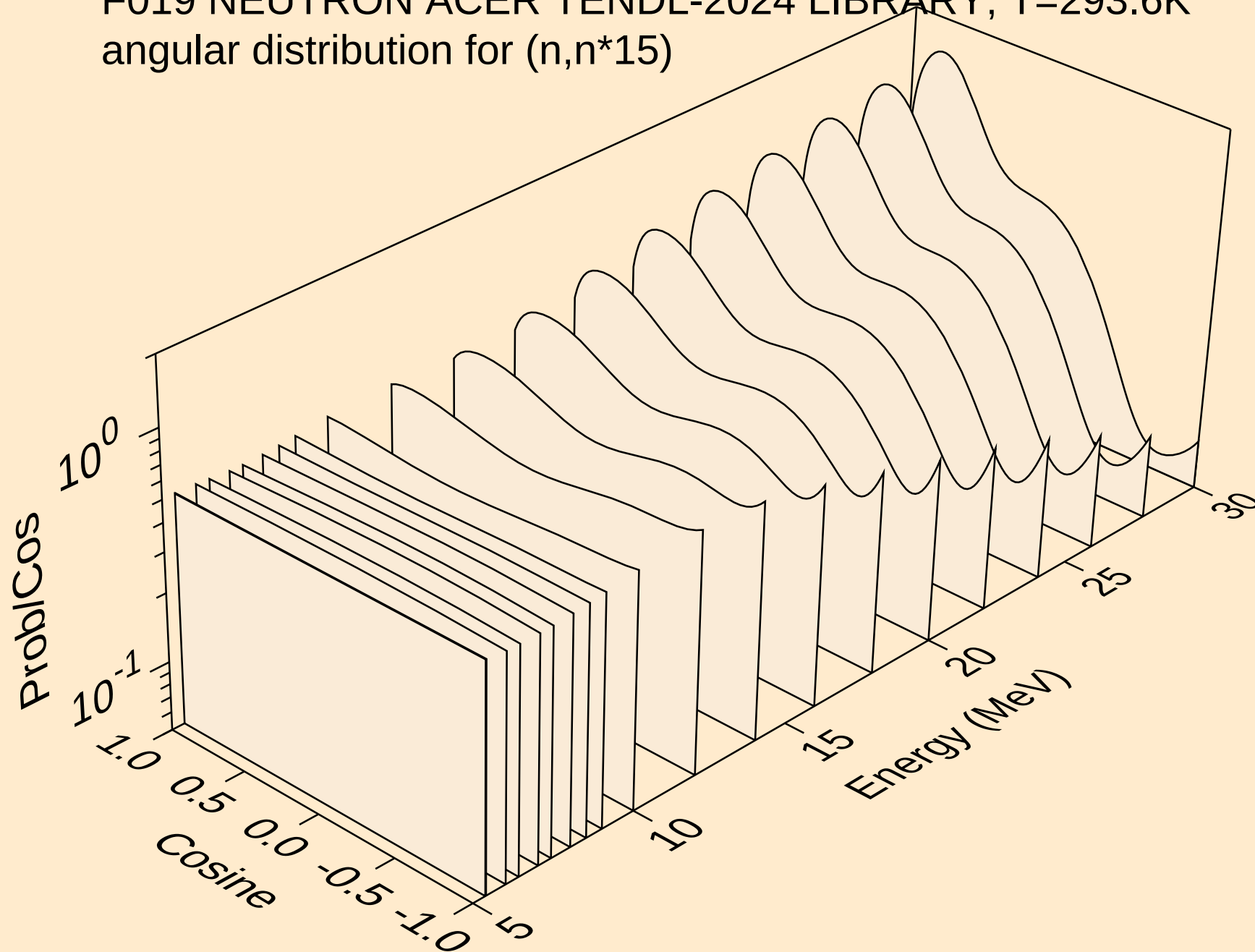
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angular distribution for (n,n*13)



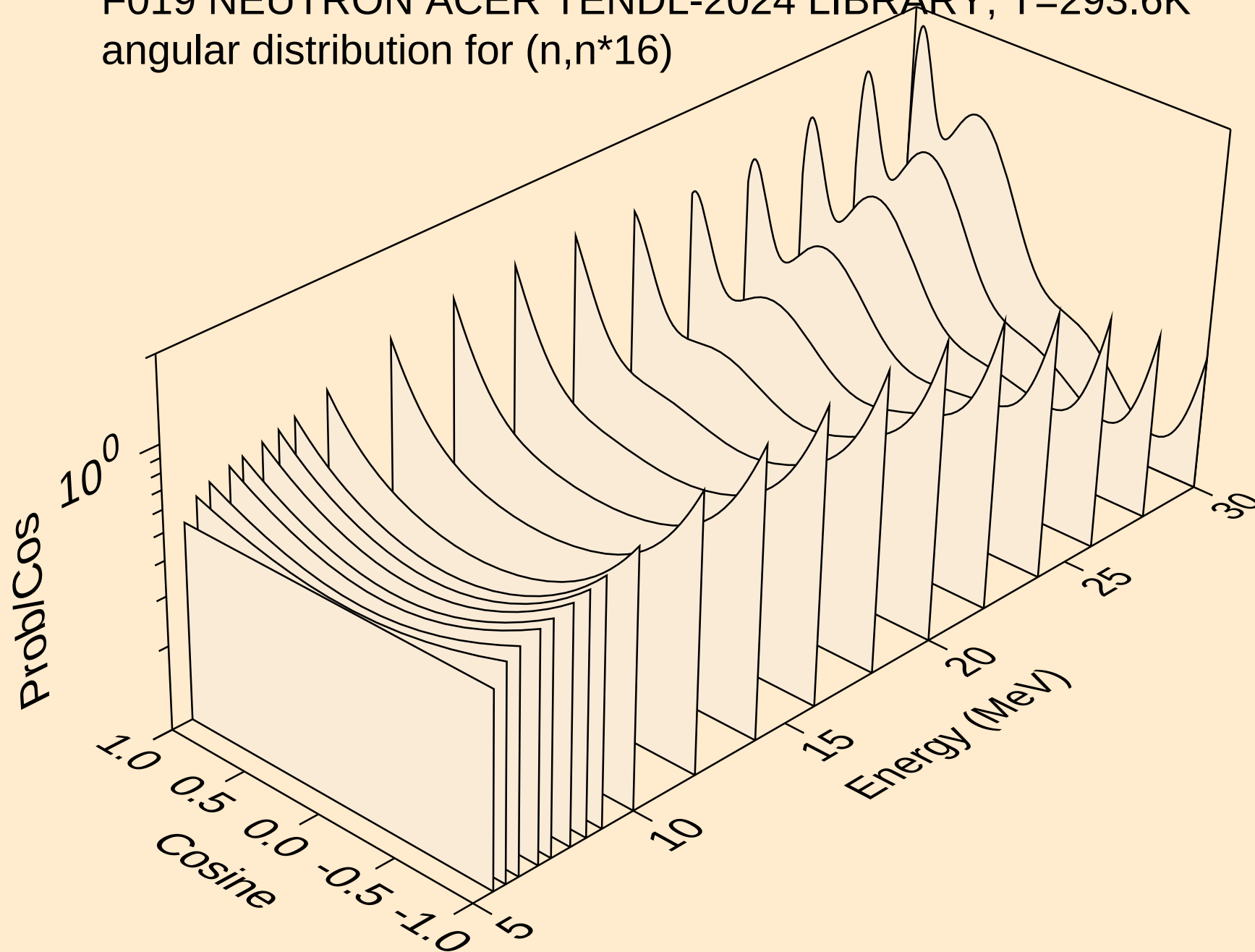
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angular distribution for (n,n*14)



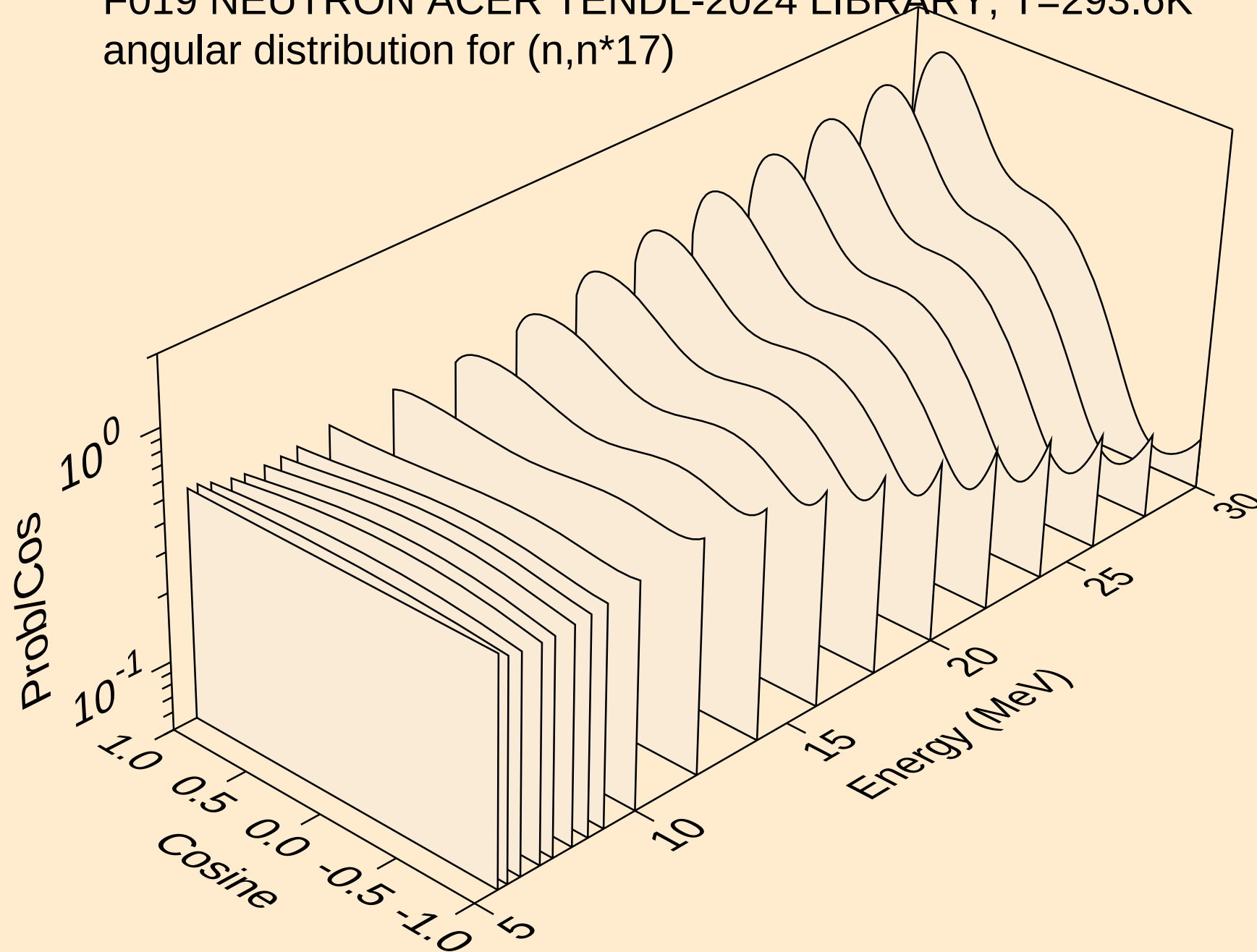
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angular distribution for (n,n*15)



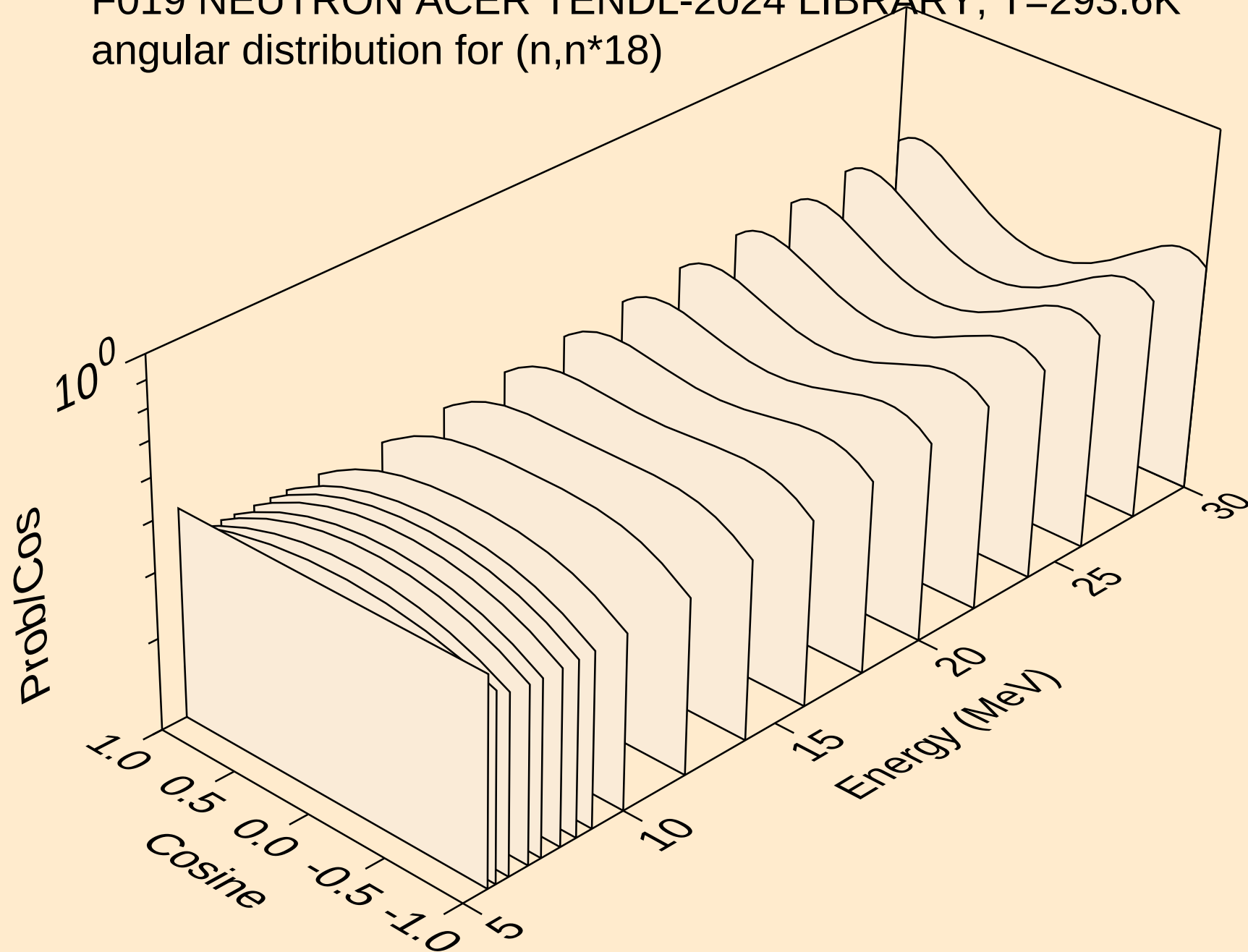
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angular distribution for (n,n*16)



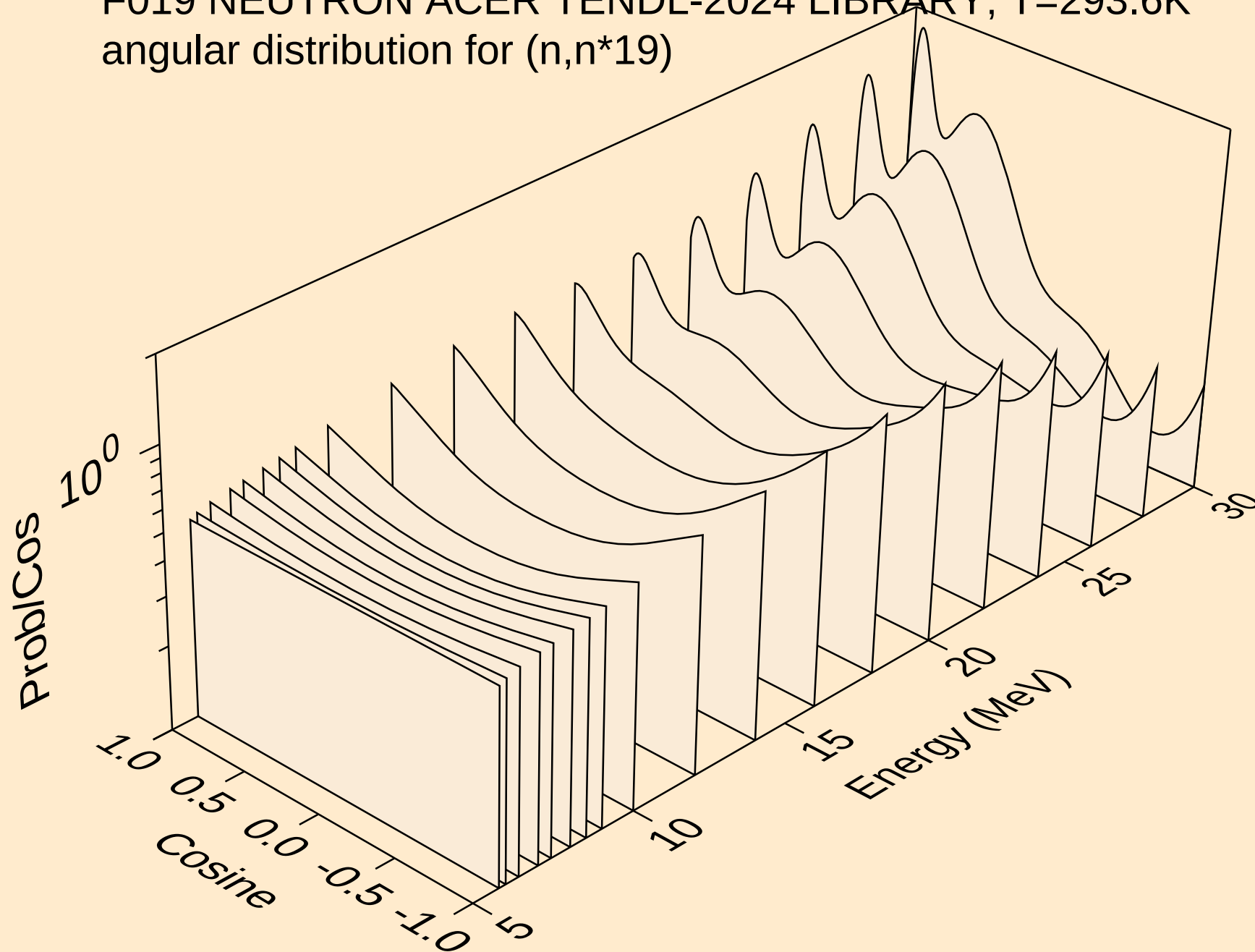
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angular distribution for (n,n*17)



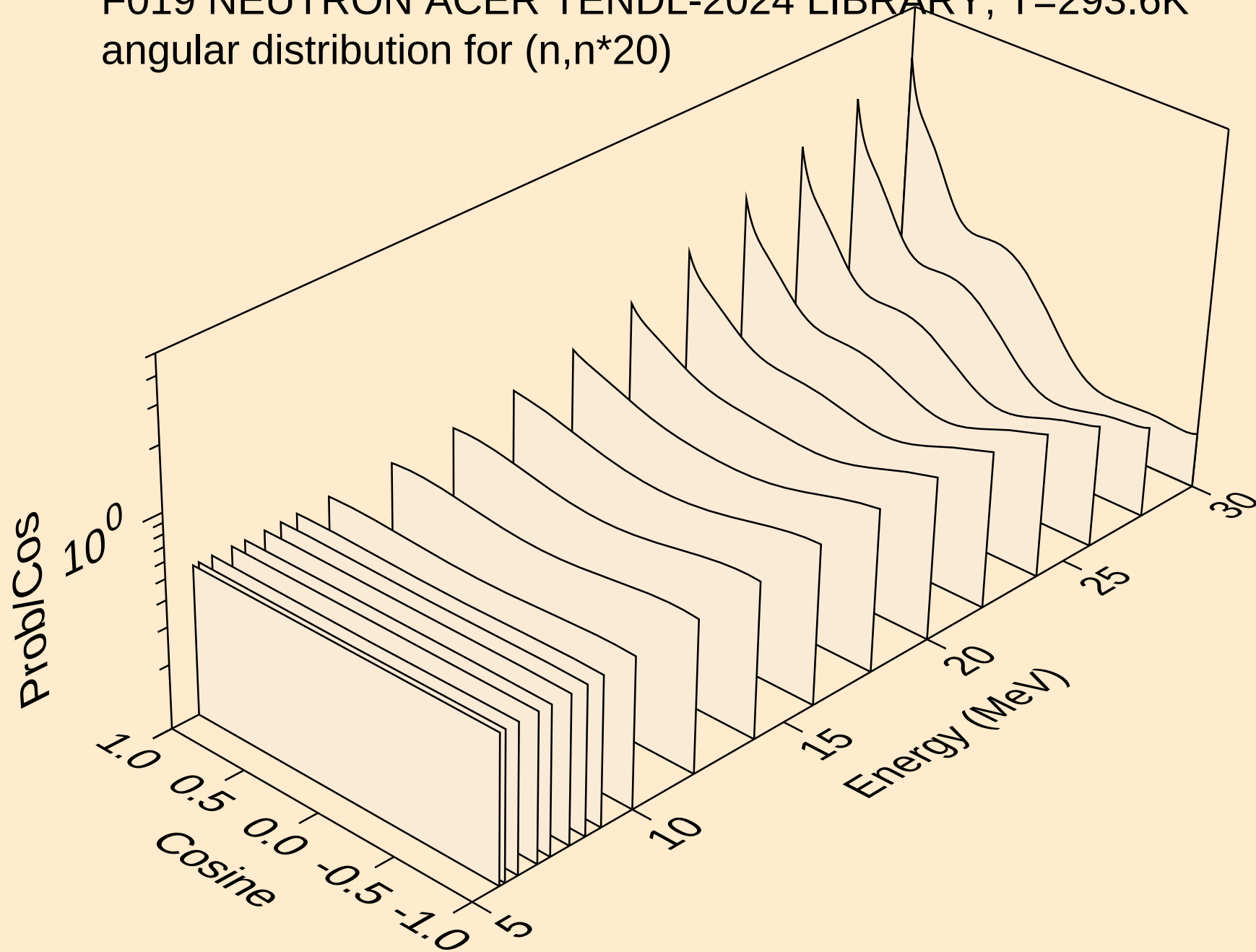
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angular distribution for (n,n*18)



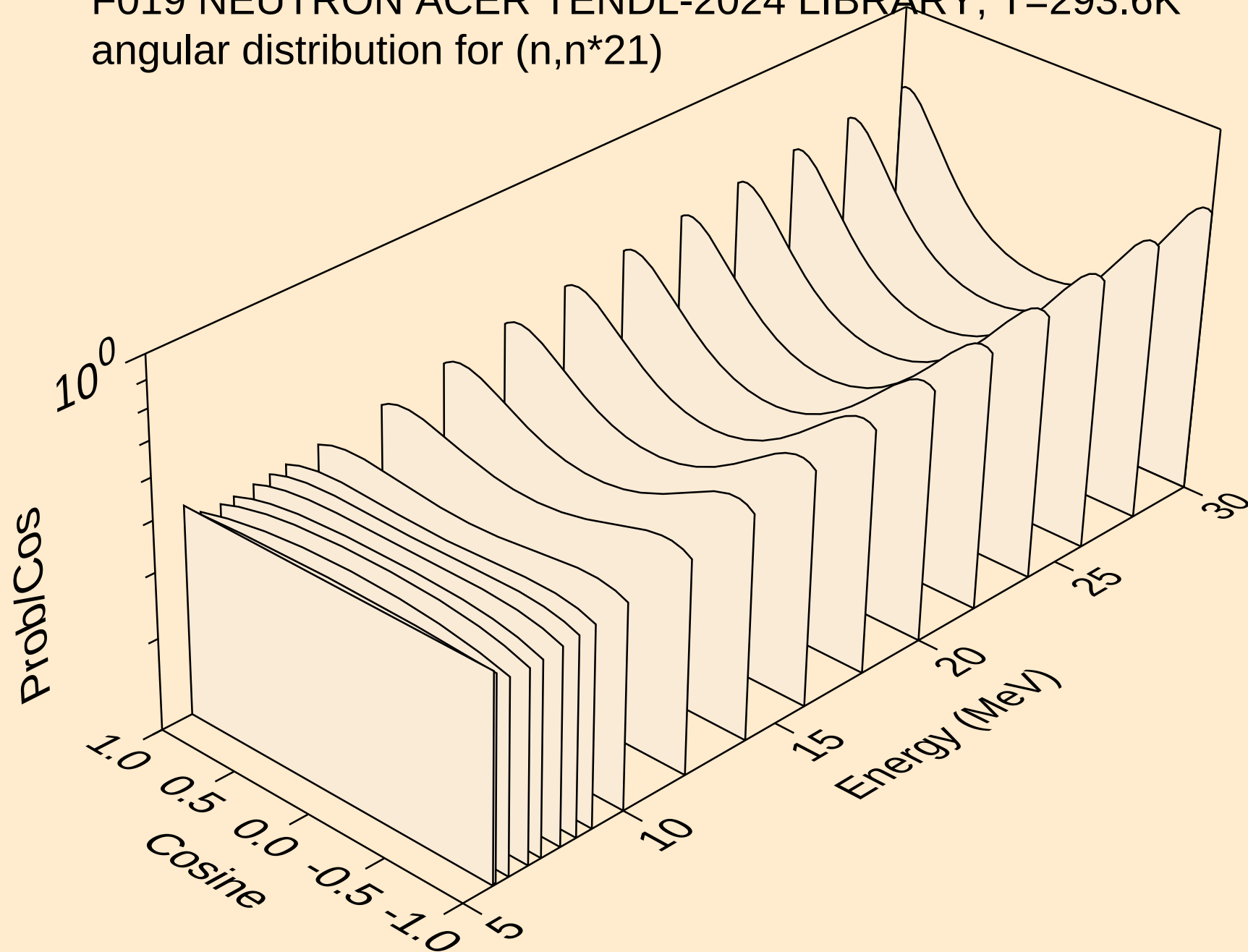
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angular distribution for (n,n*19)



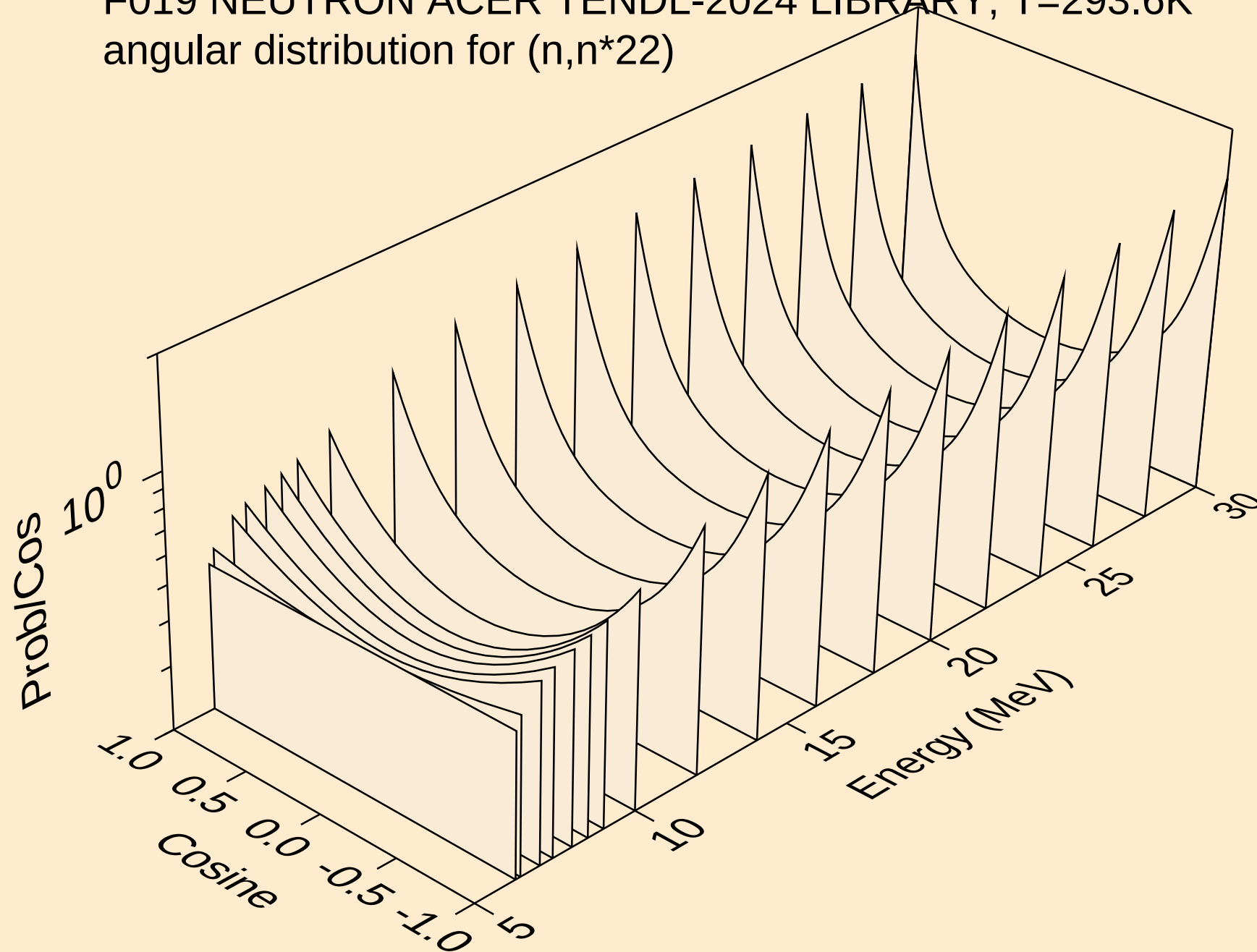
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angular distribution for (n,n*20)



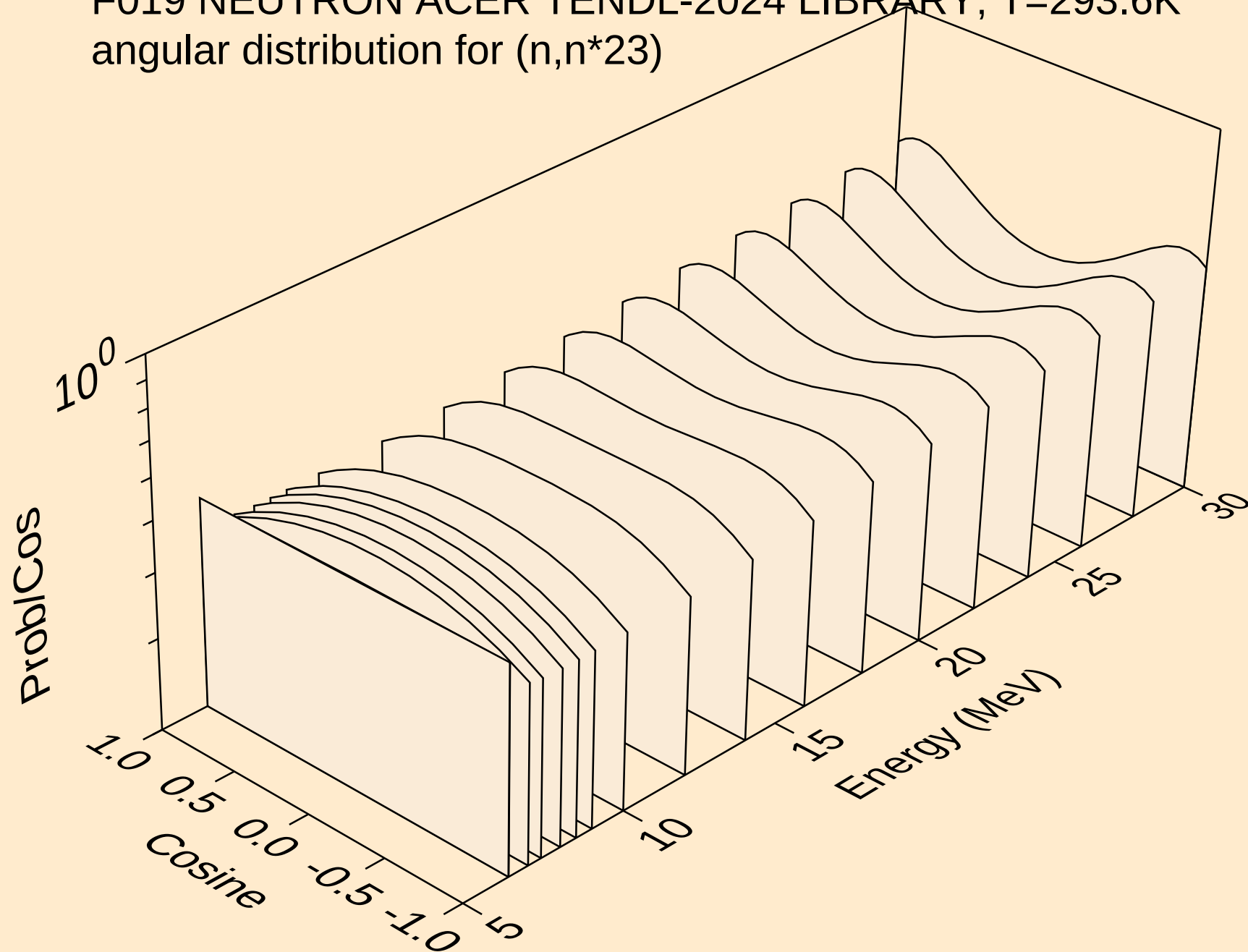
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angular distribution for (n,n*21)



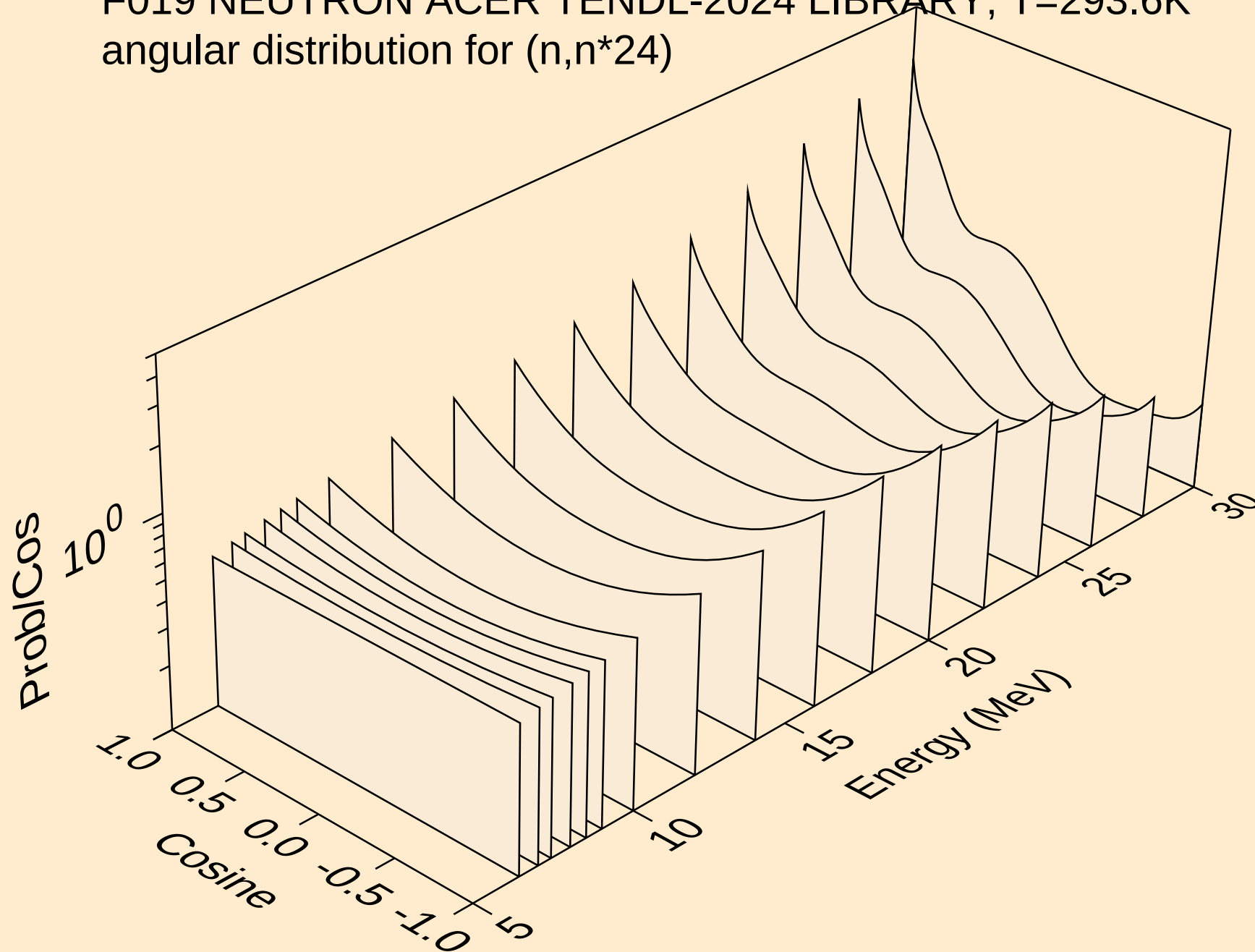
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angular distribution for (n,n*22)



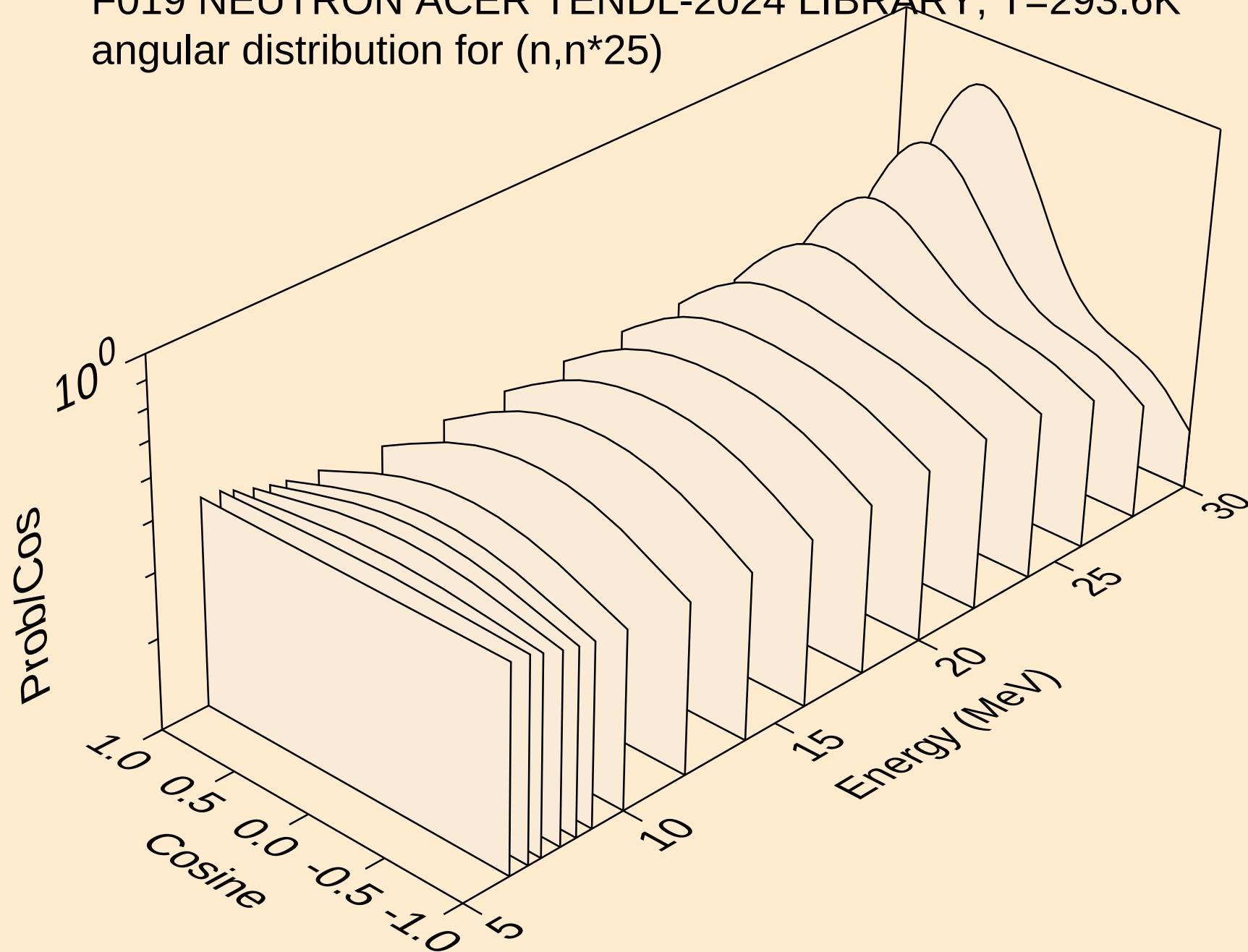
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angular distribution for (n,n*23)



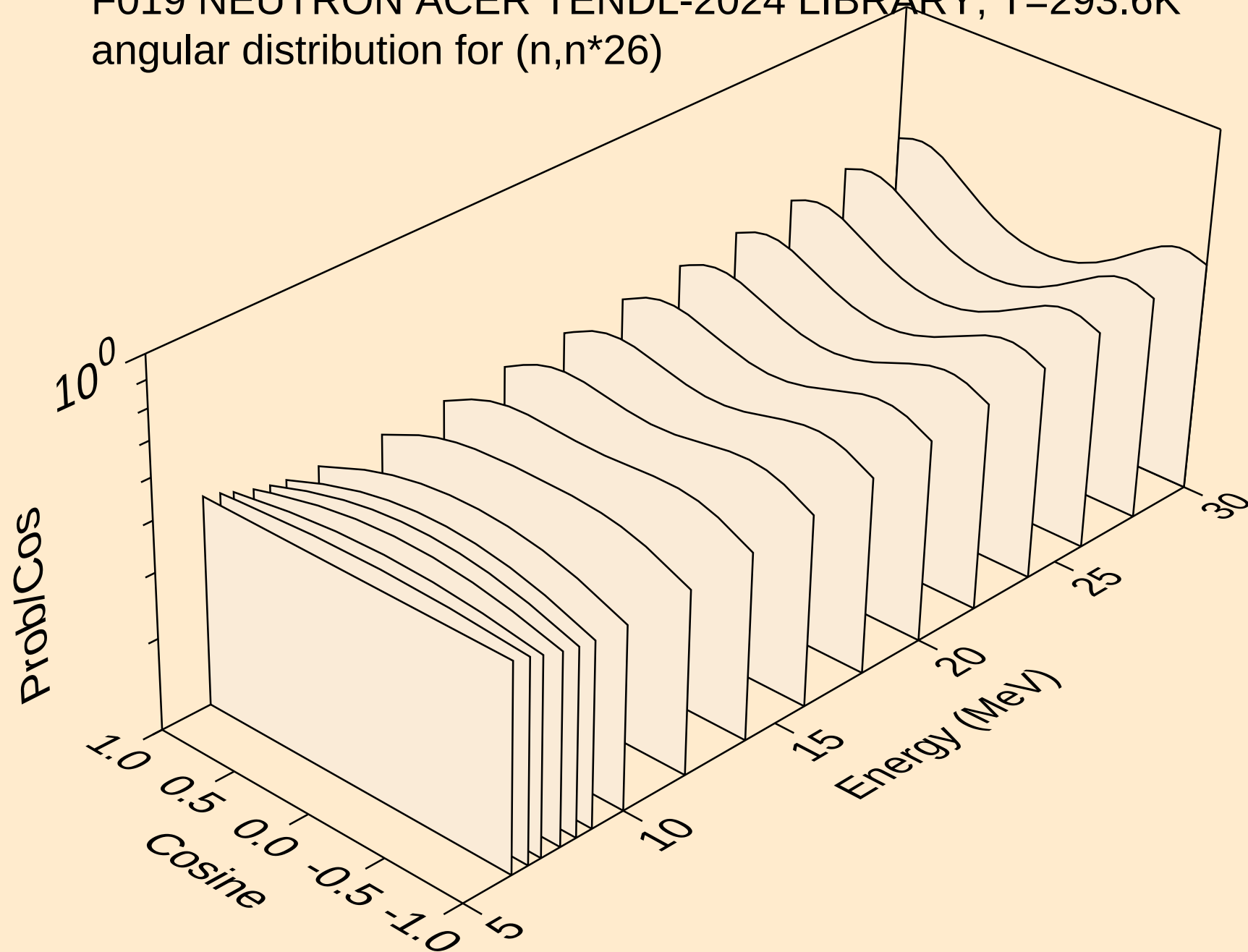
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angular distribution for (n,n*24)



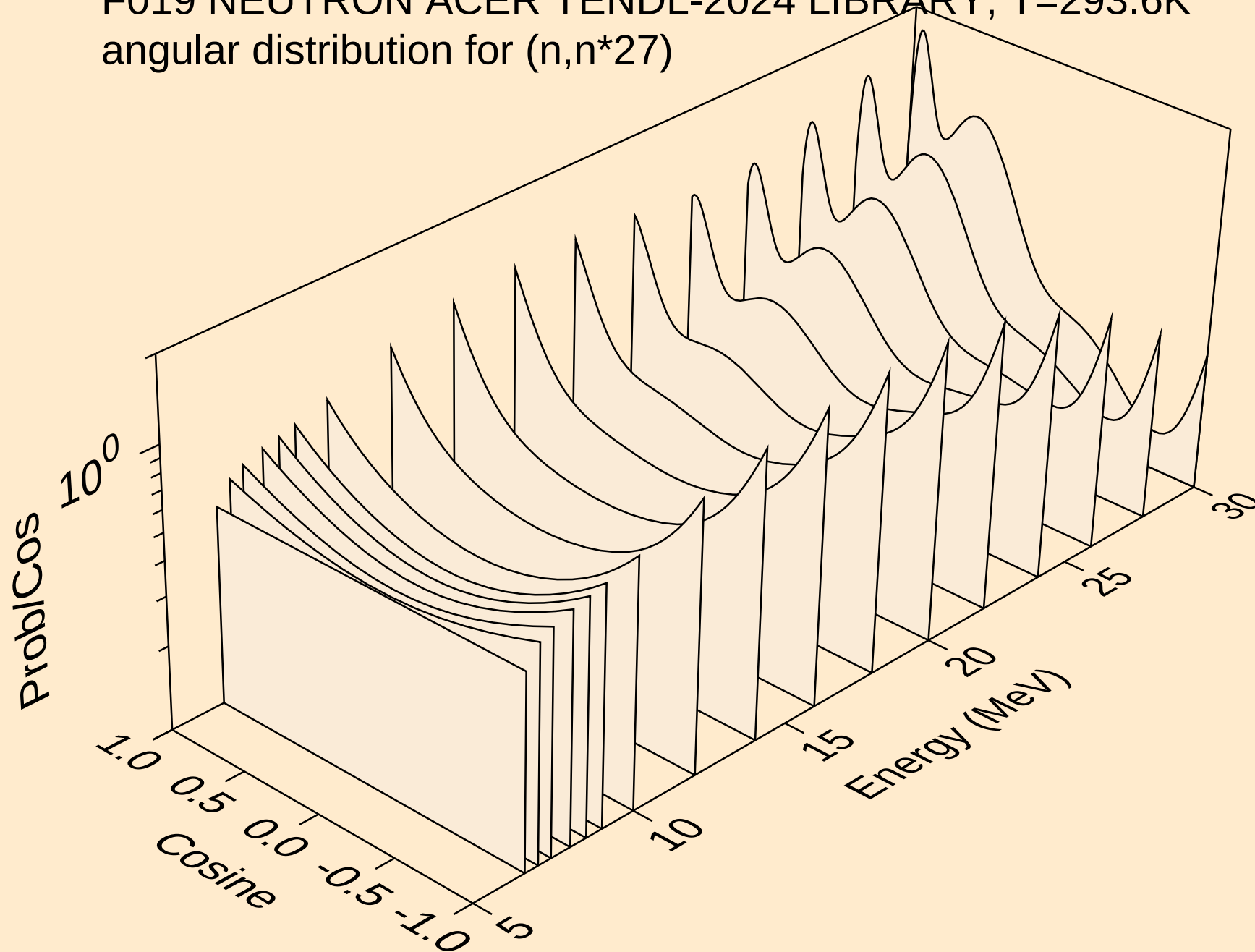
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angular distribution for (n,n*25)



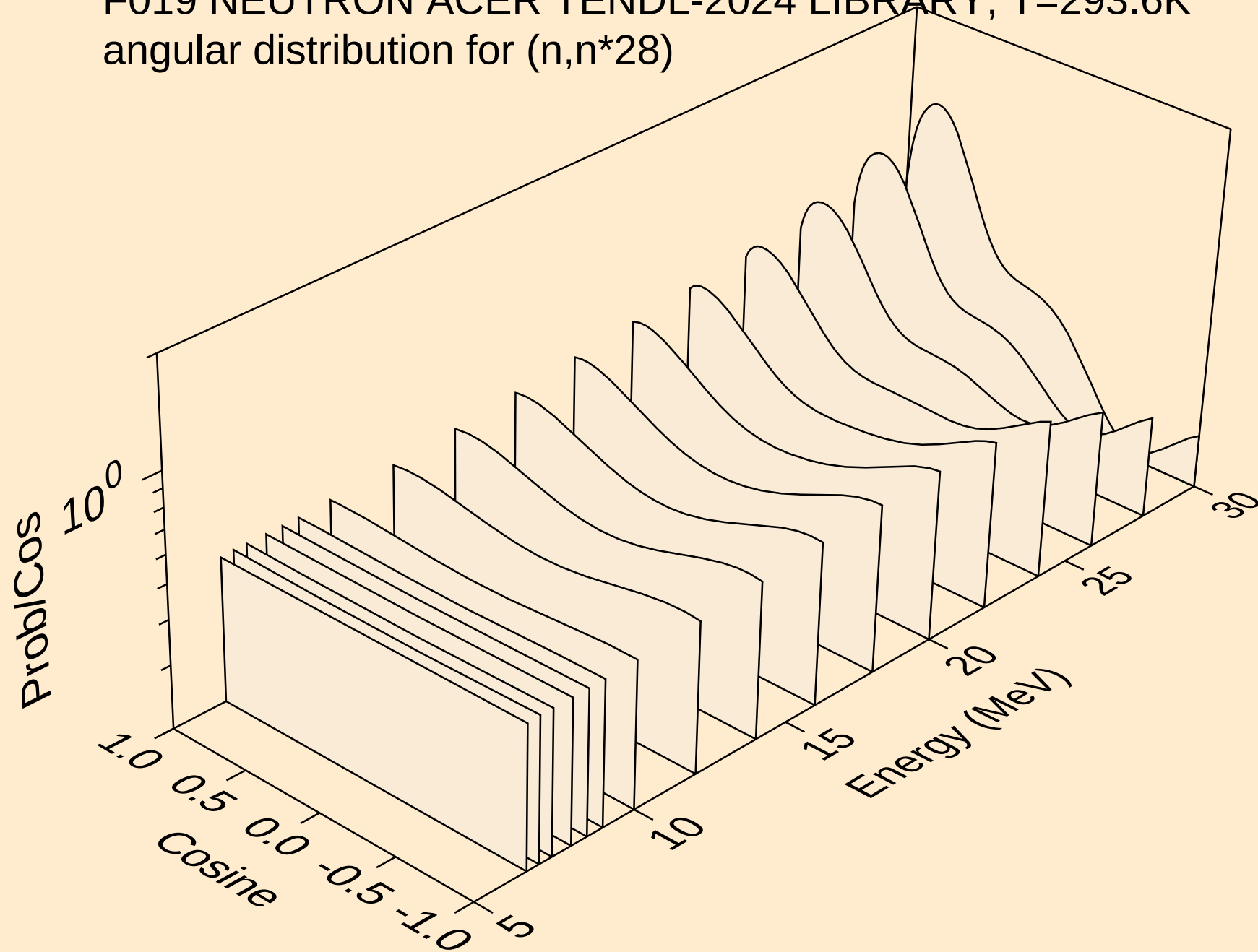
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angular distribution for (n,n*26)



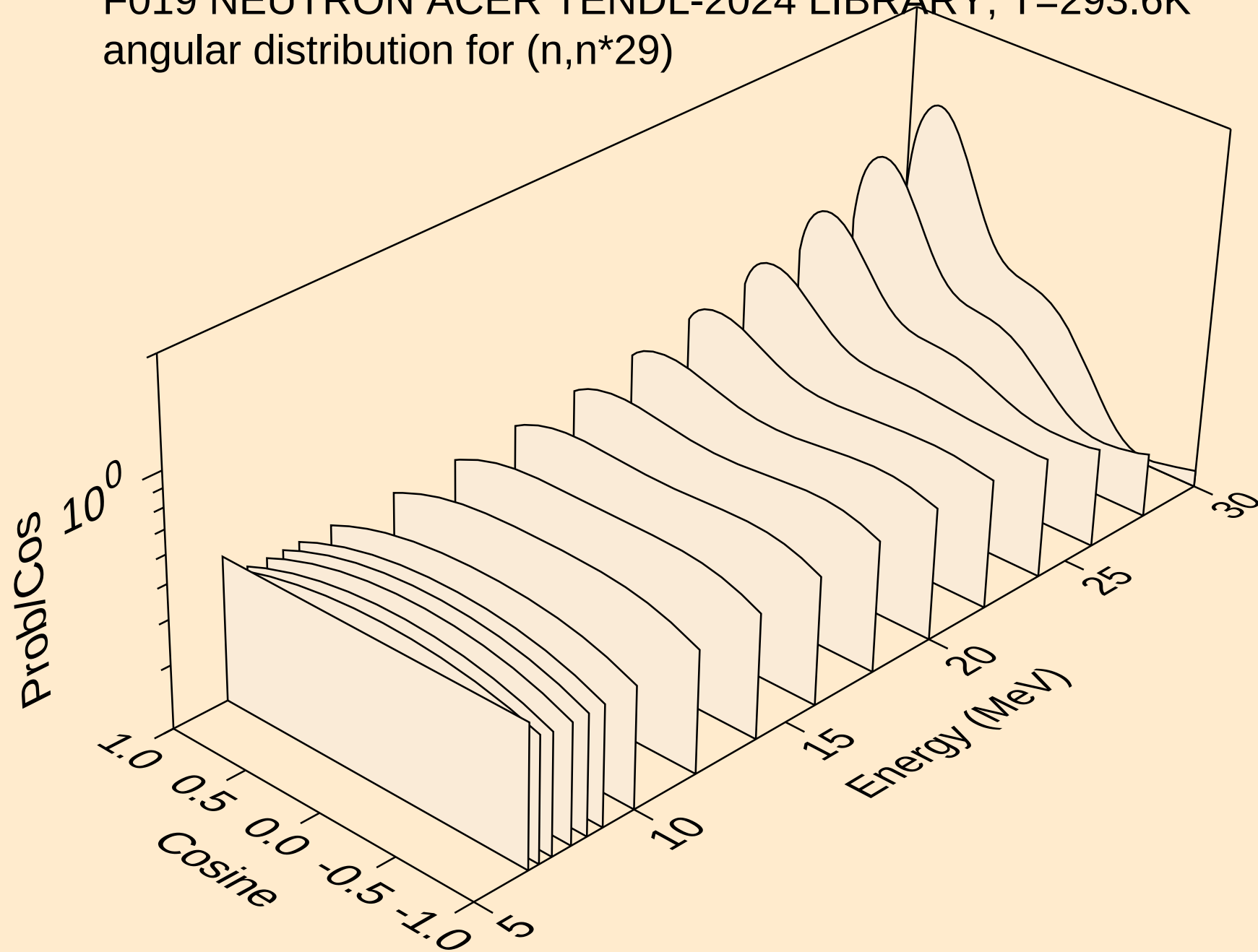
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angular distribution for (n,n*27)



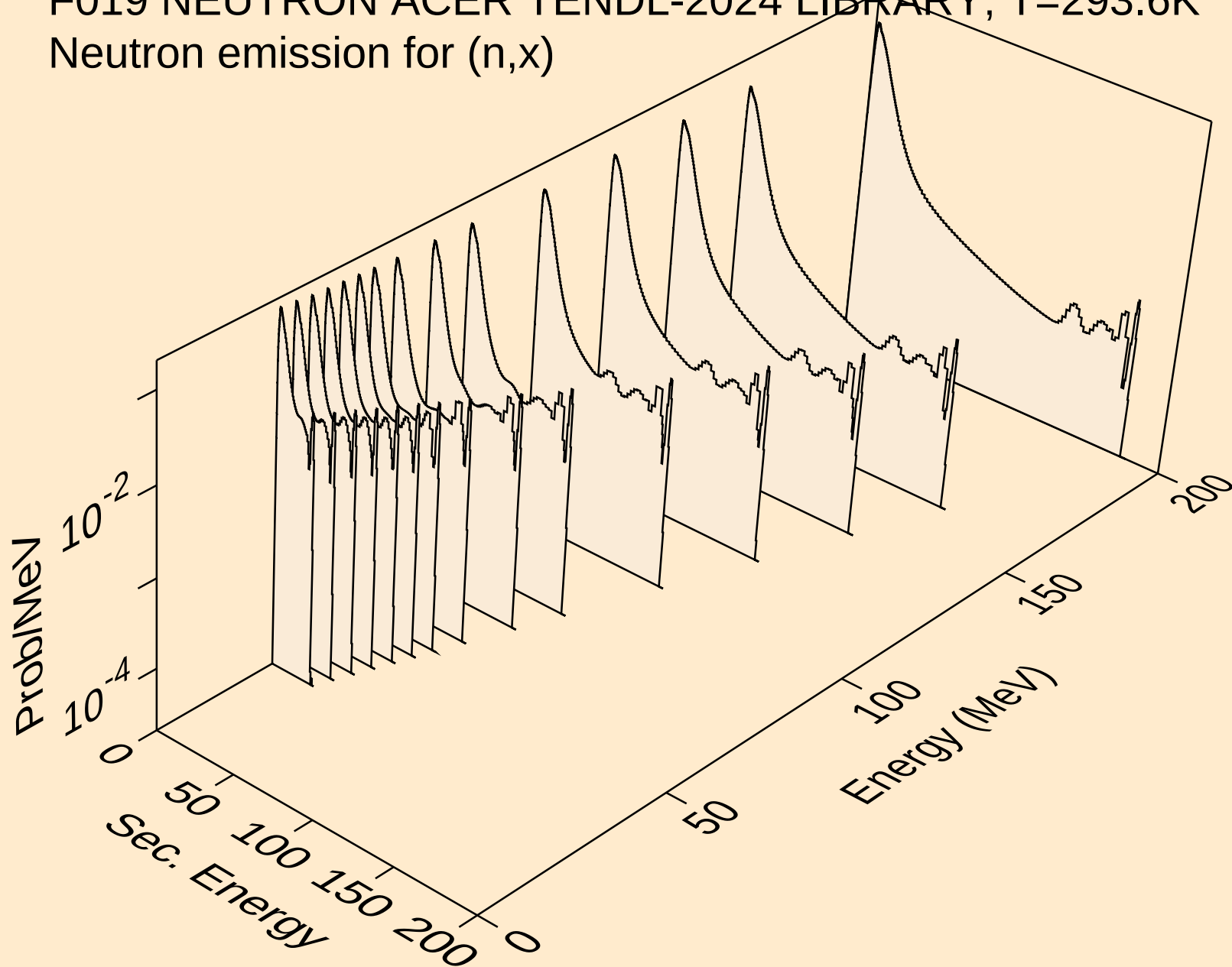
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angular distribution for (n,n*28)



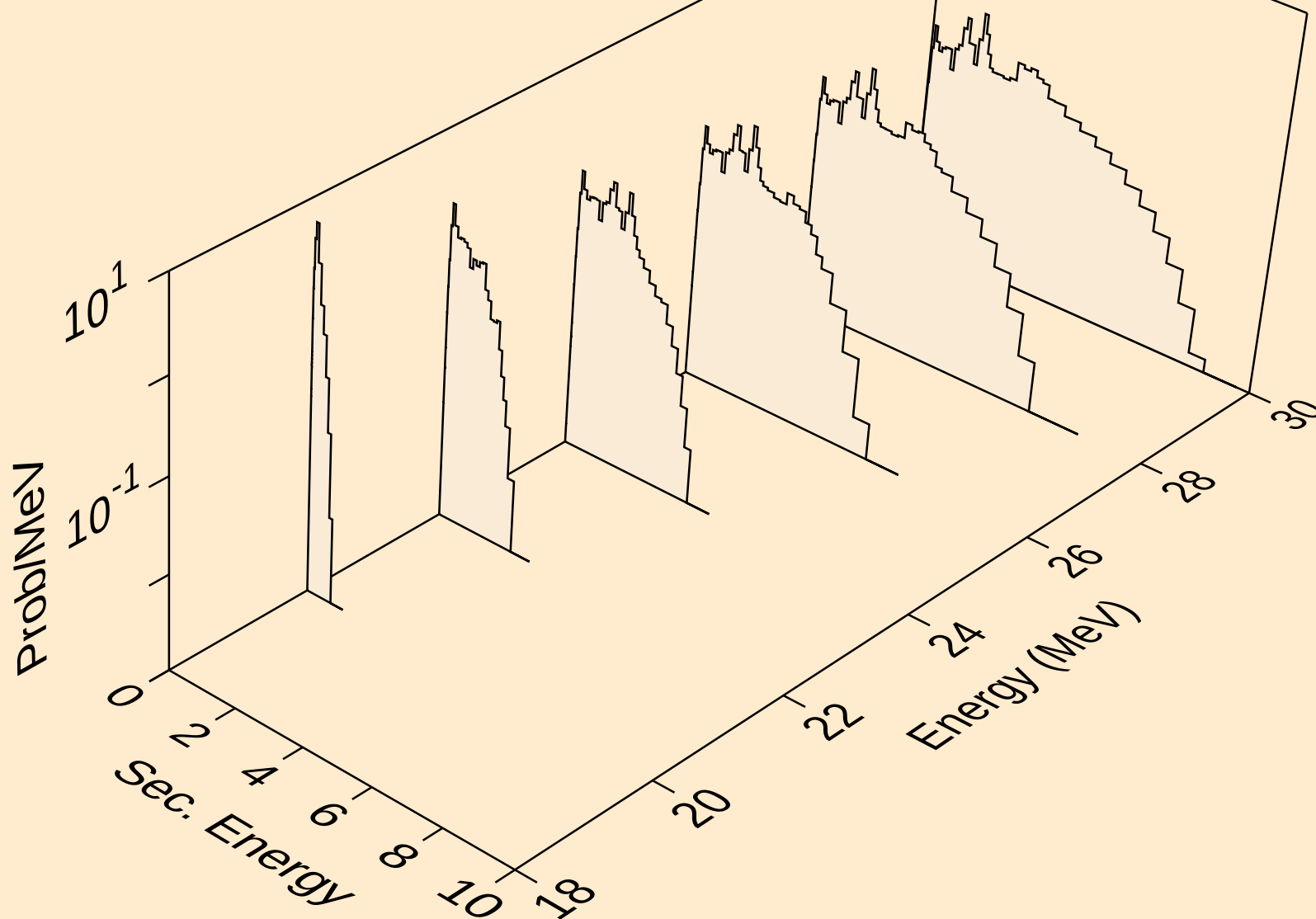
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angular distribution for (n,n*29)



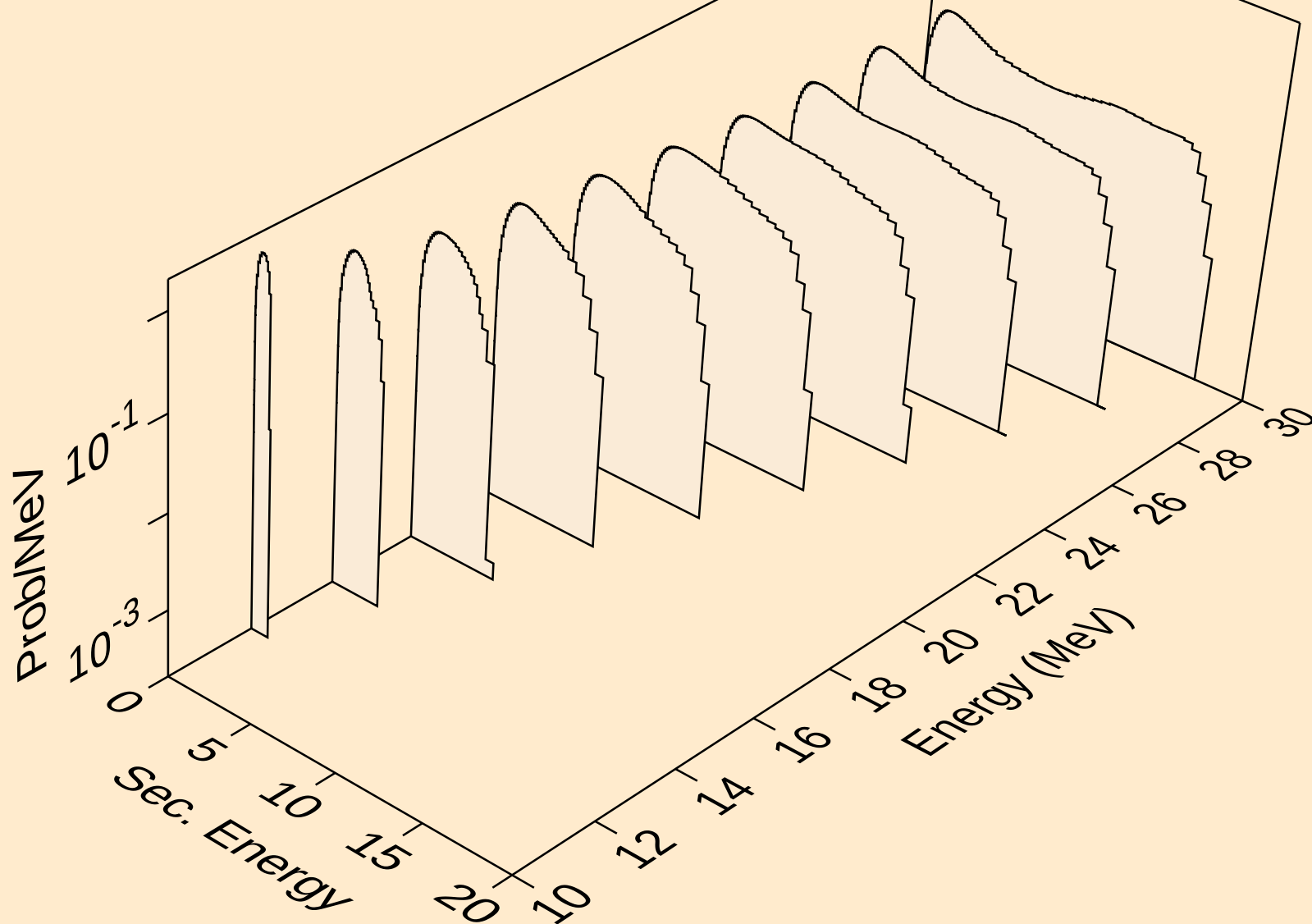
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)



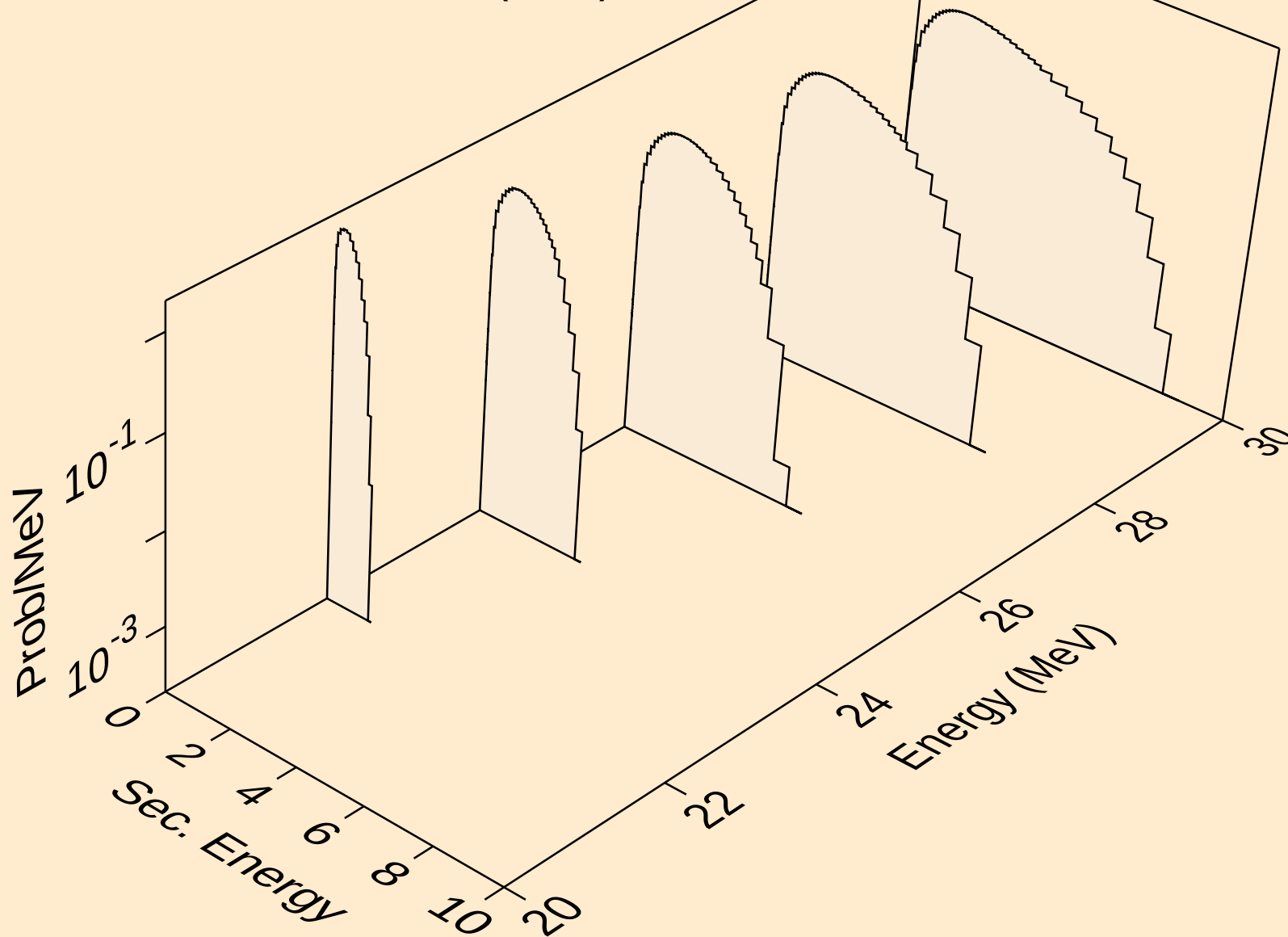
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2nd)



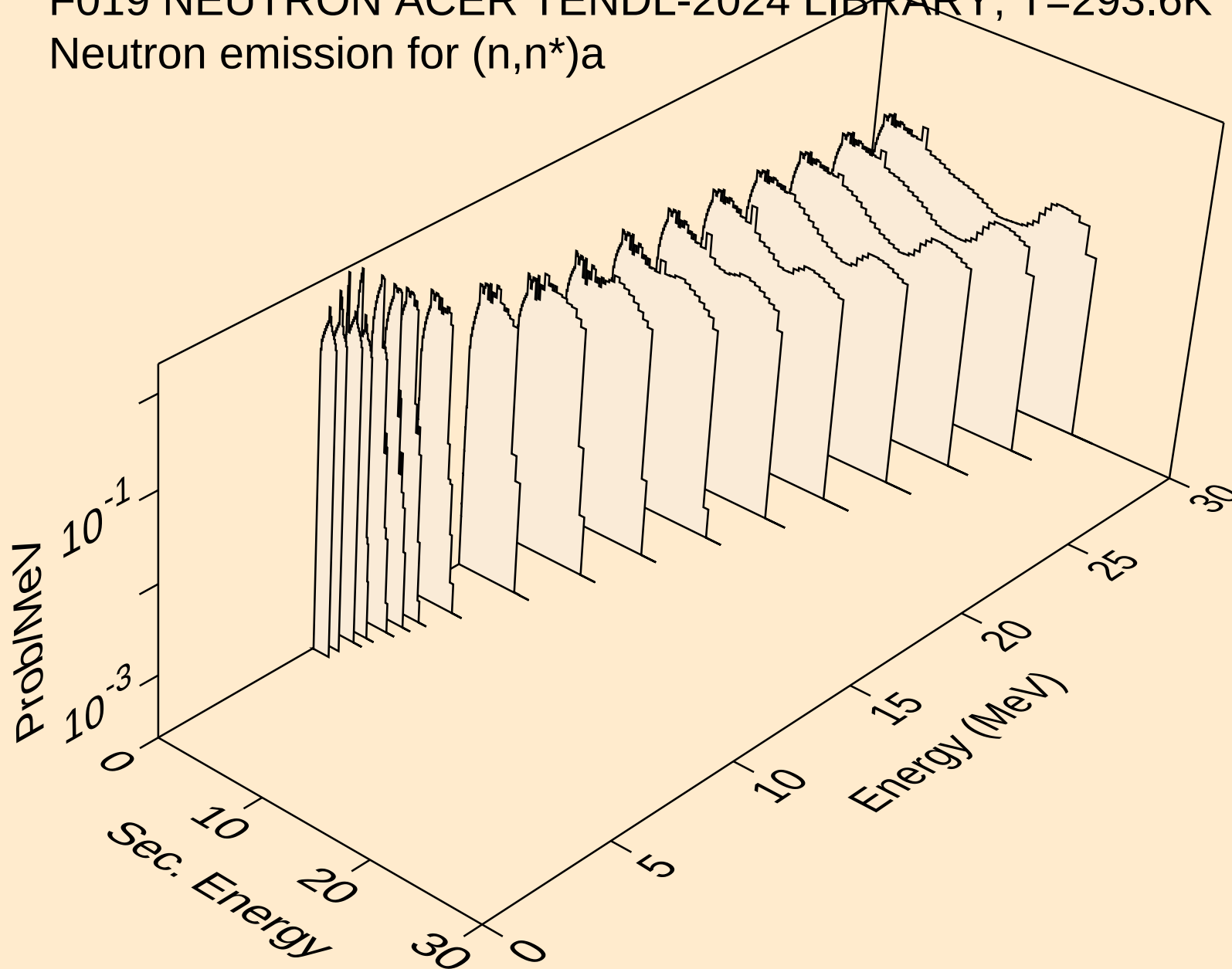
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)



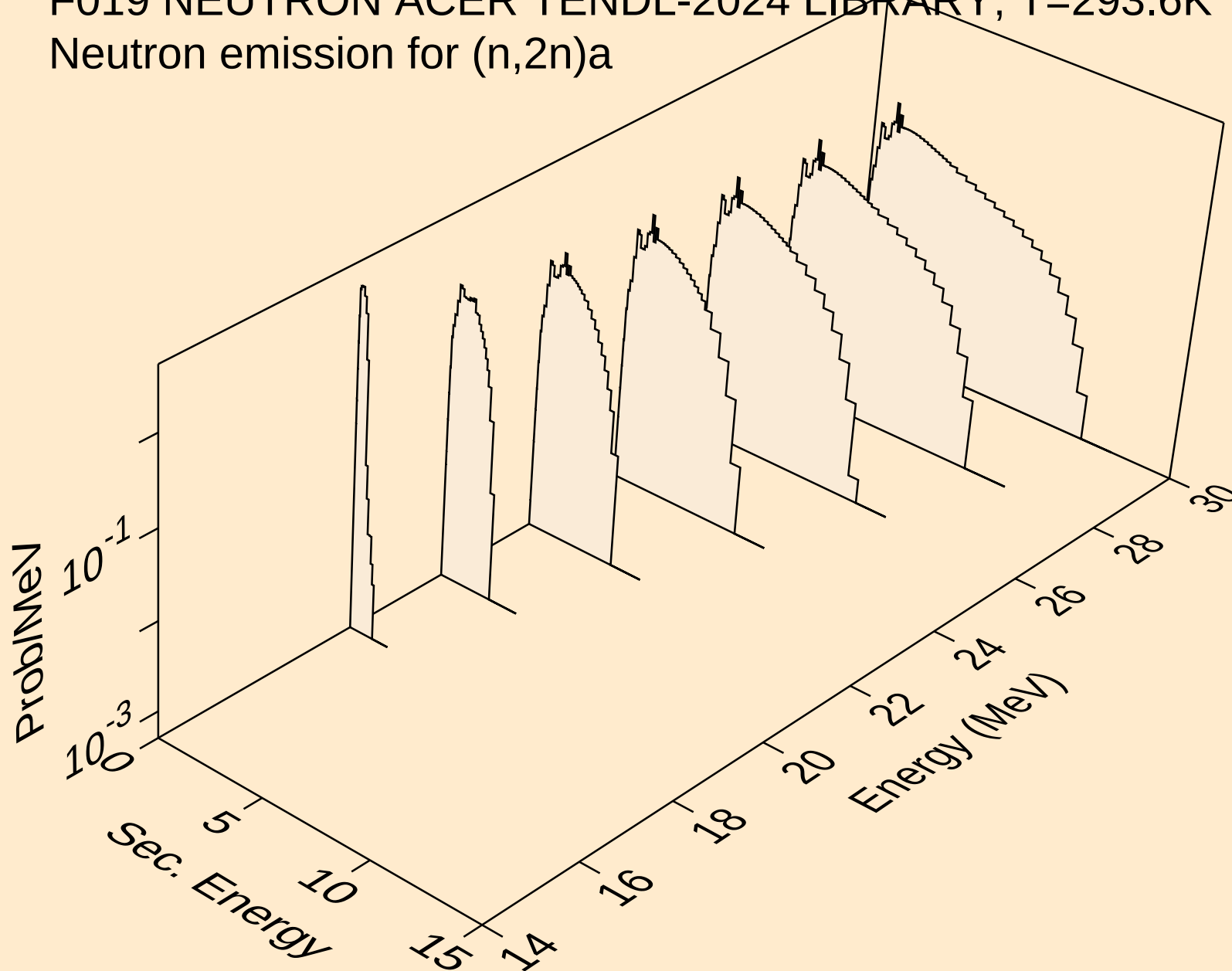
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)



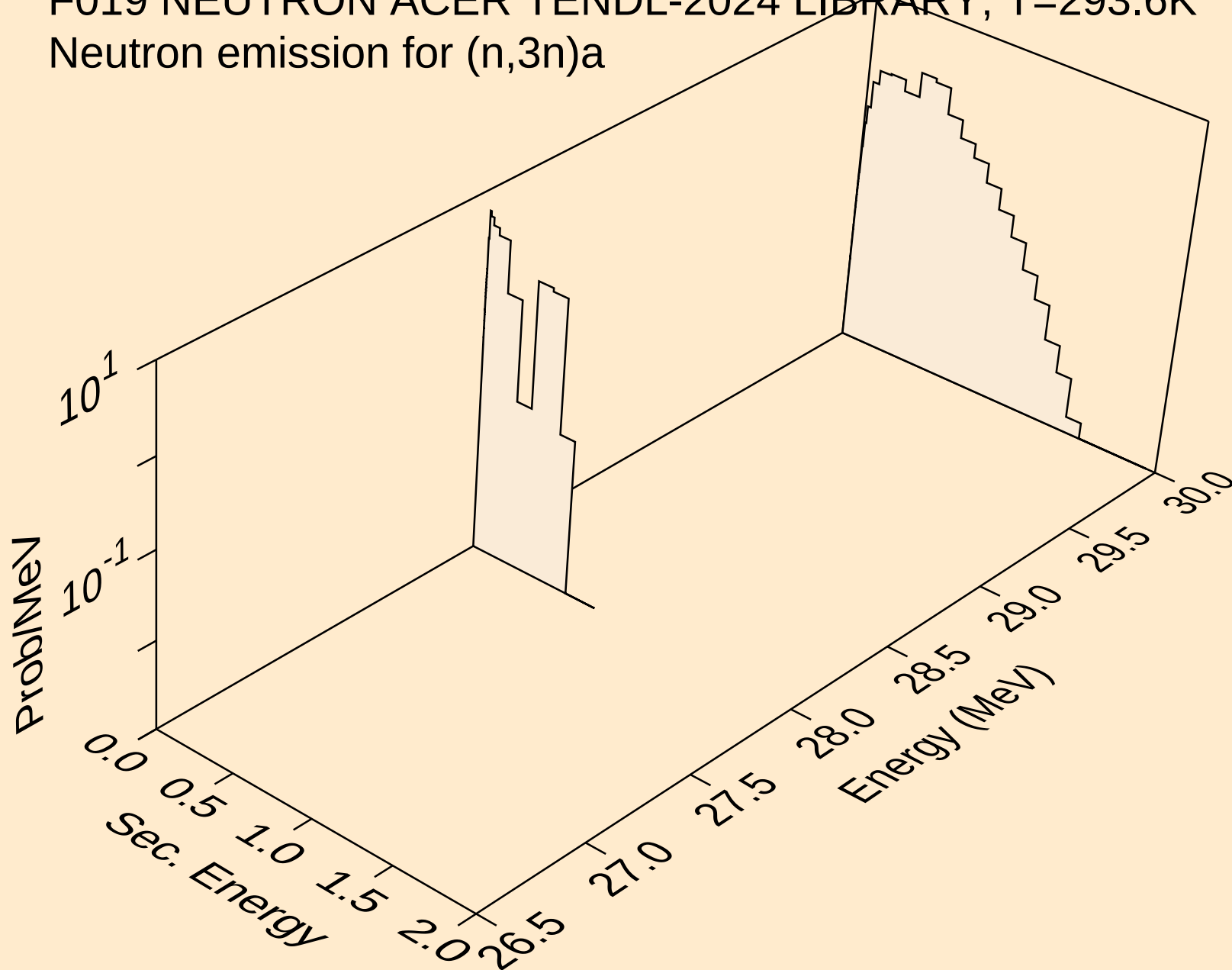
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)a



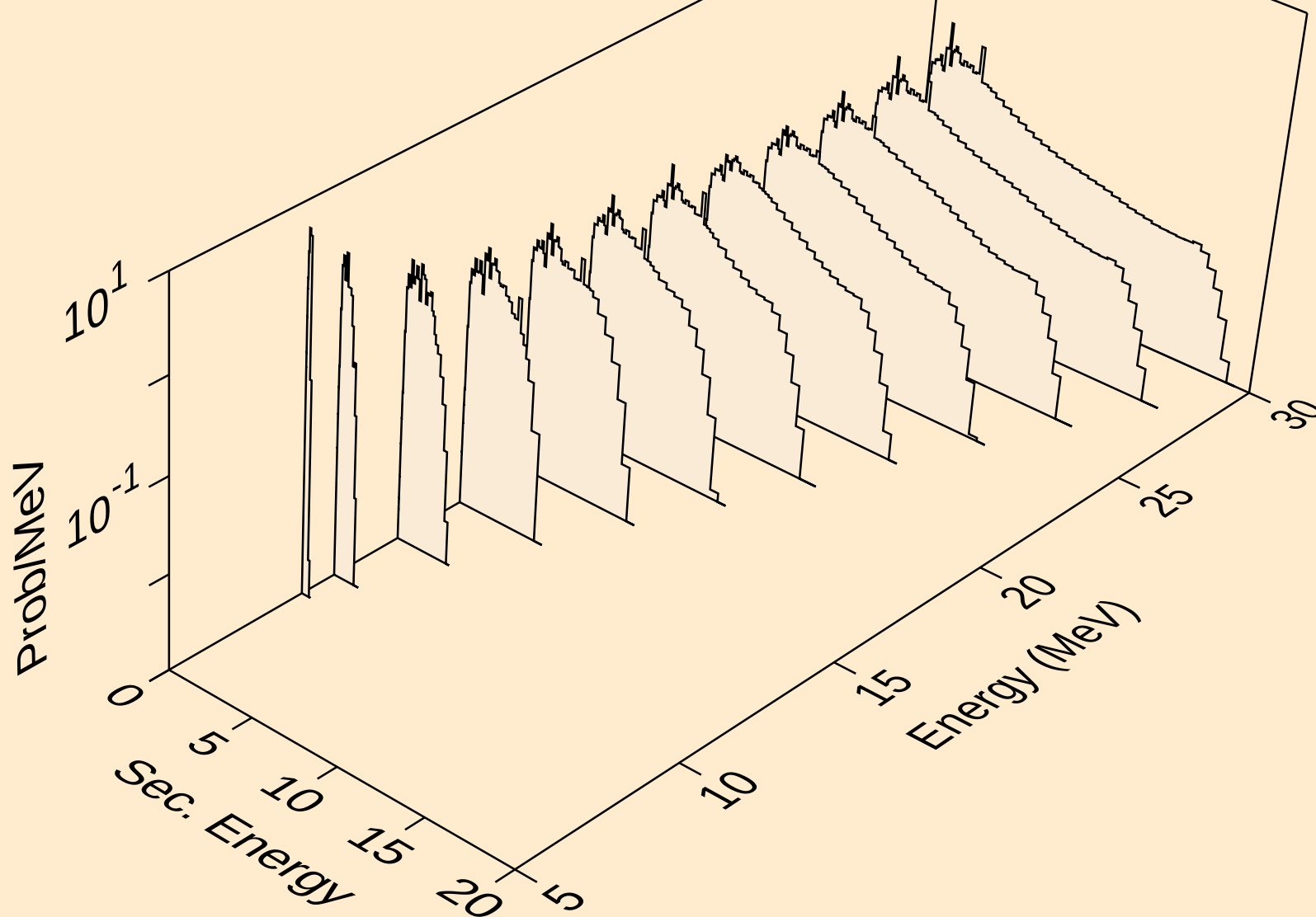
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)_a



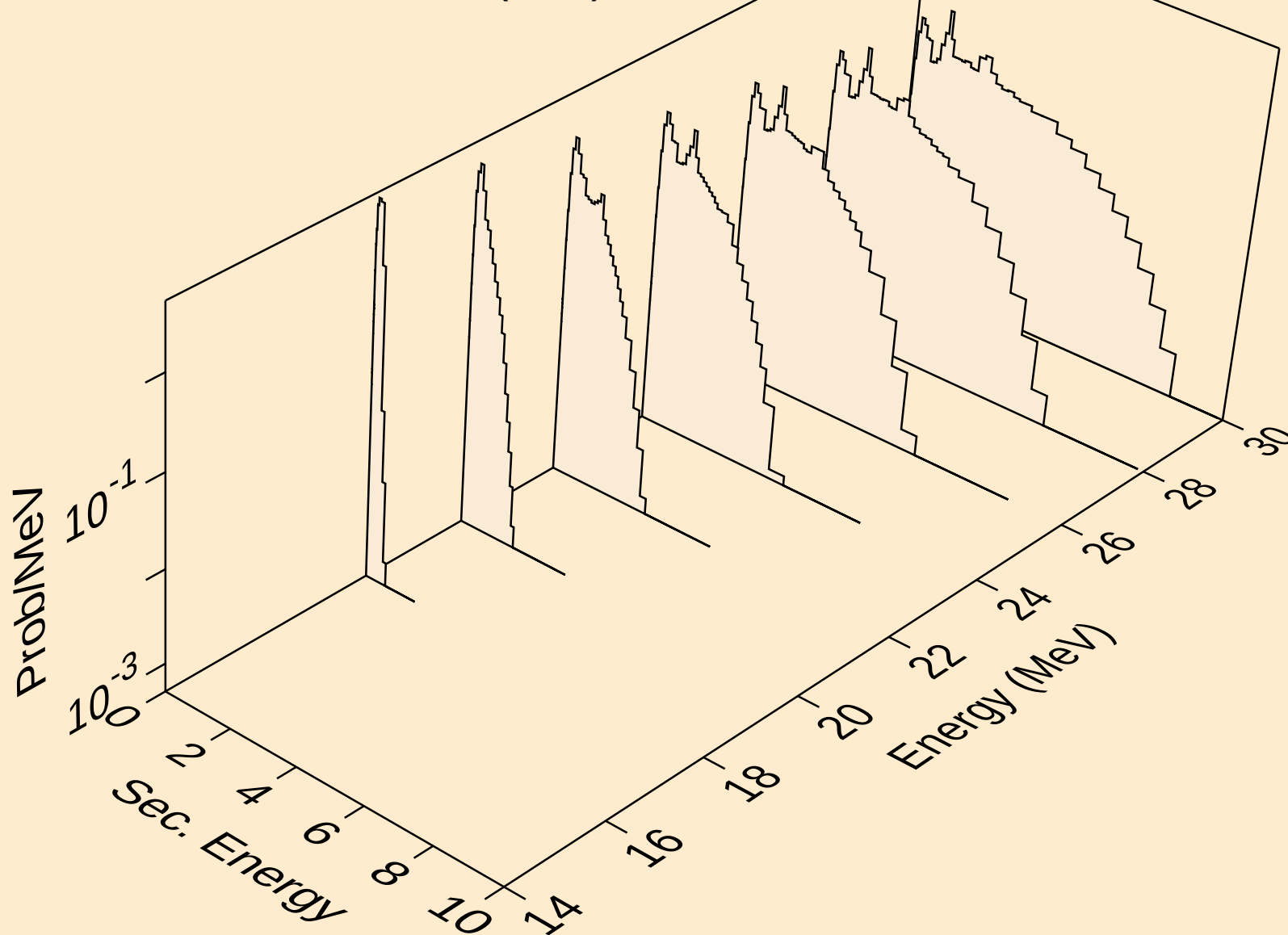
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)a



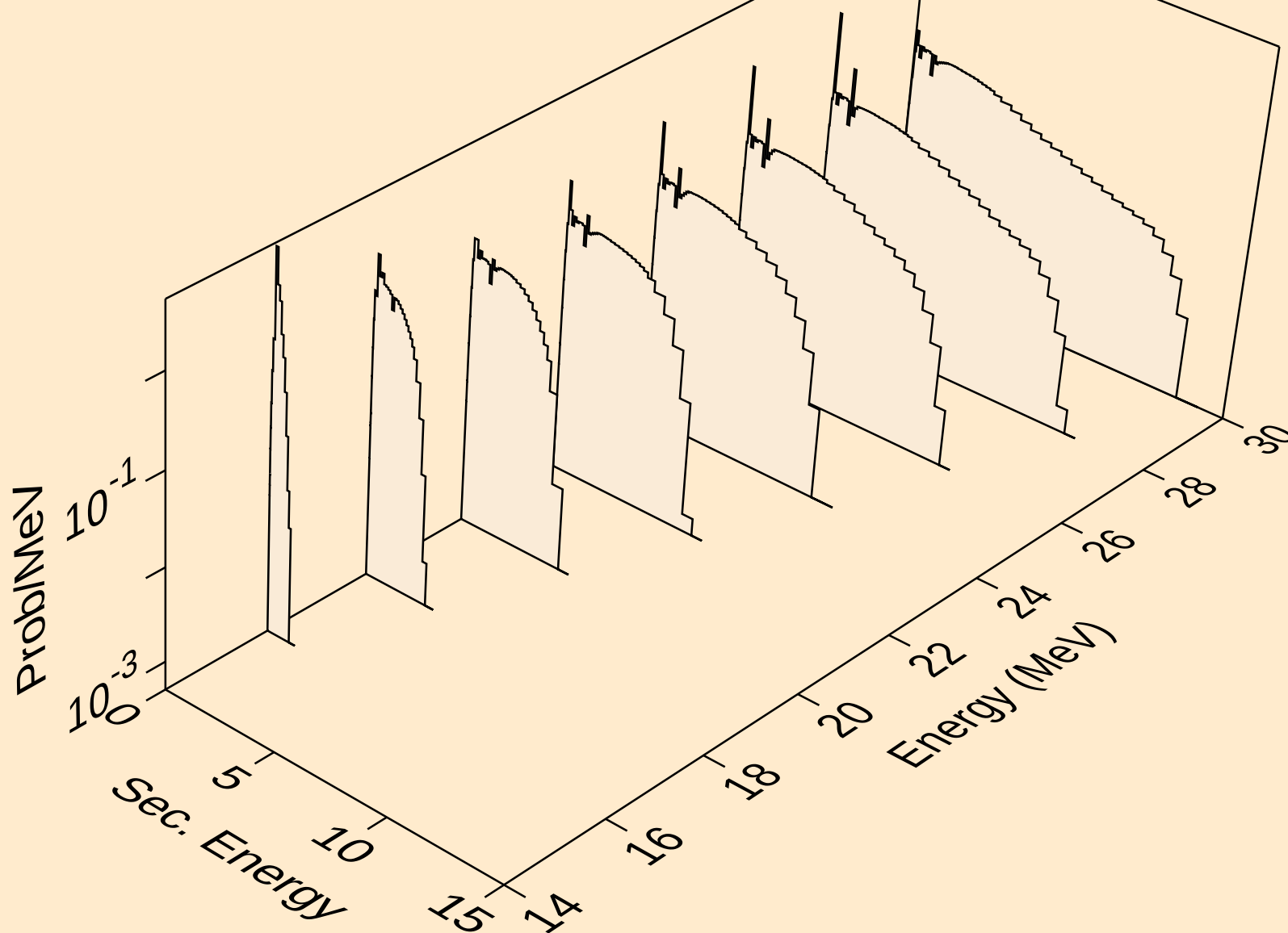
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



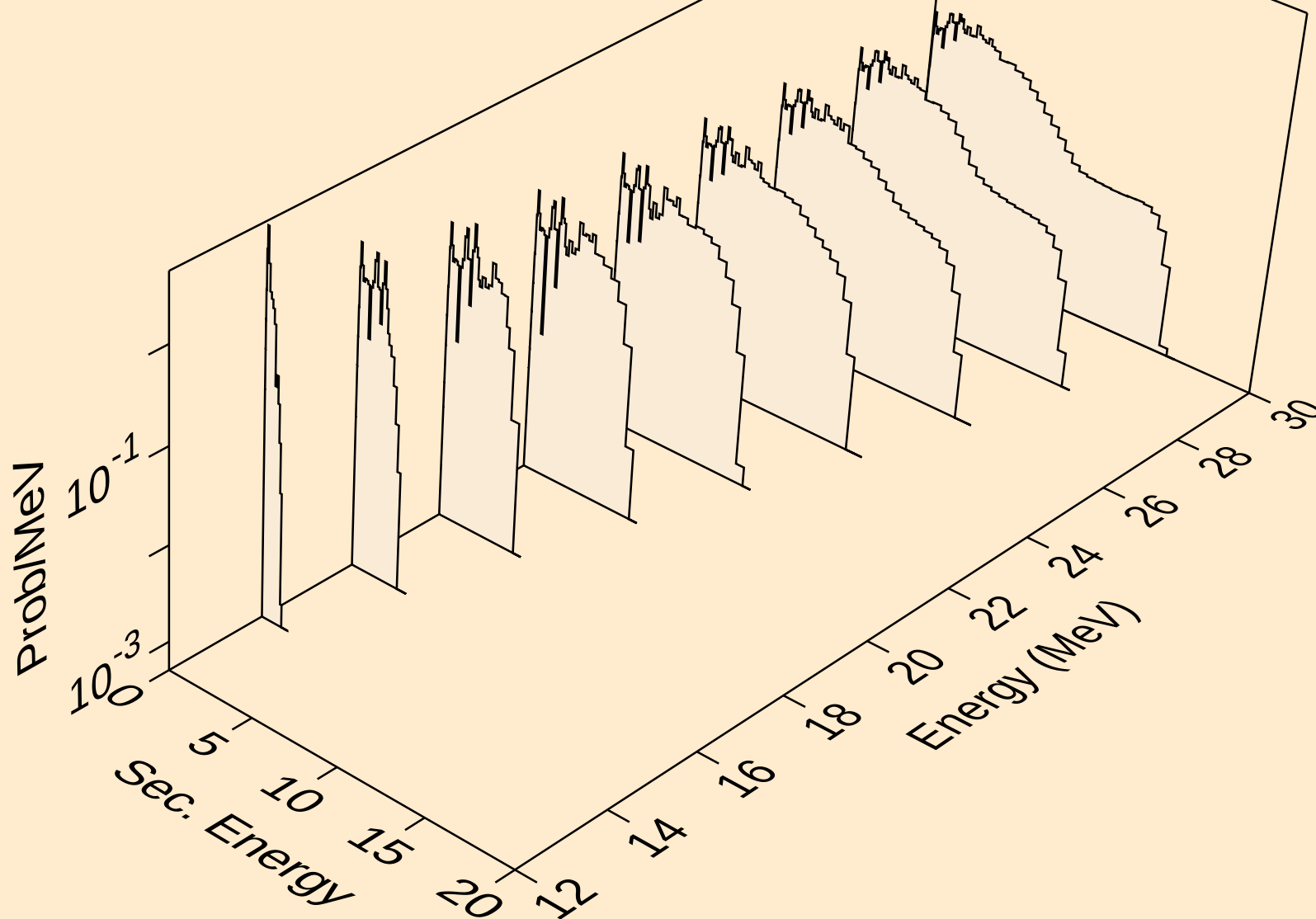
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)2a



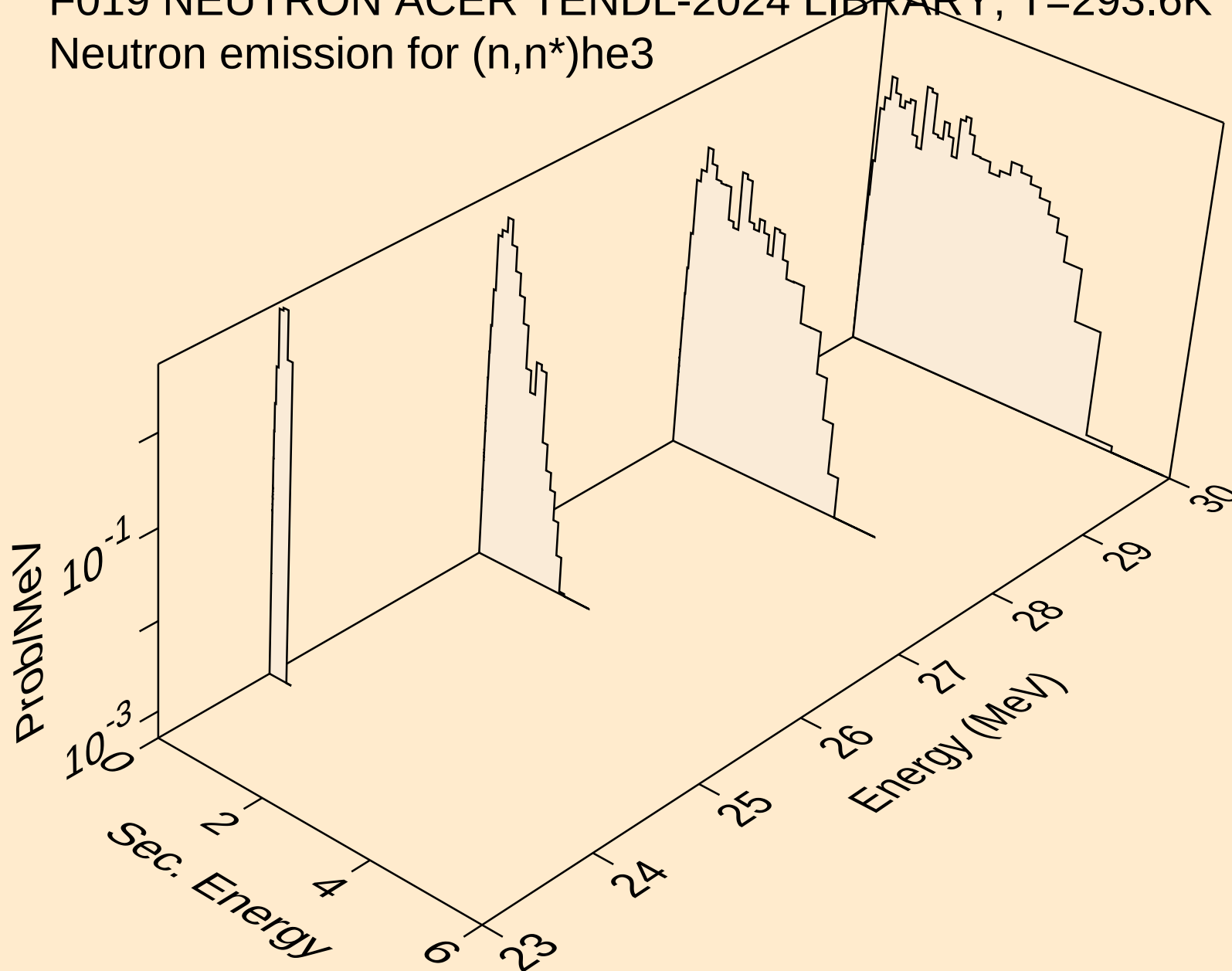
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)d



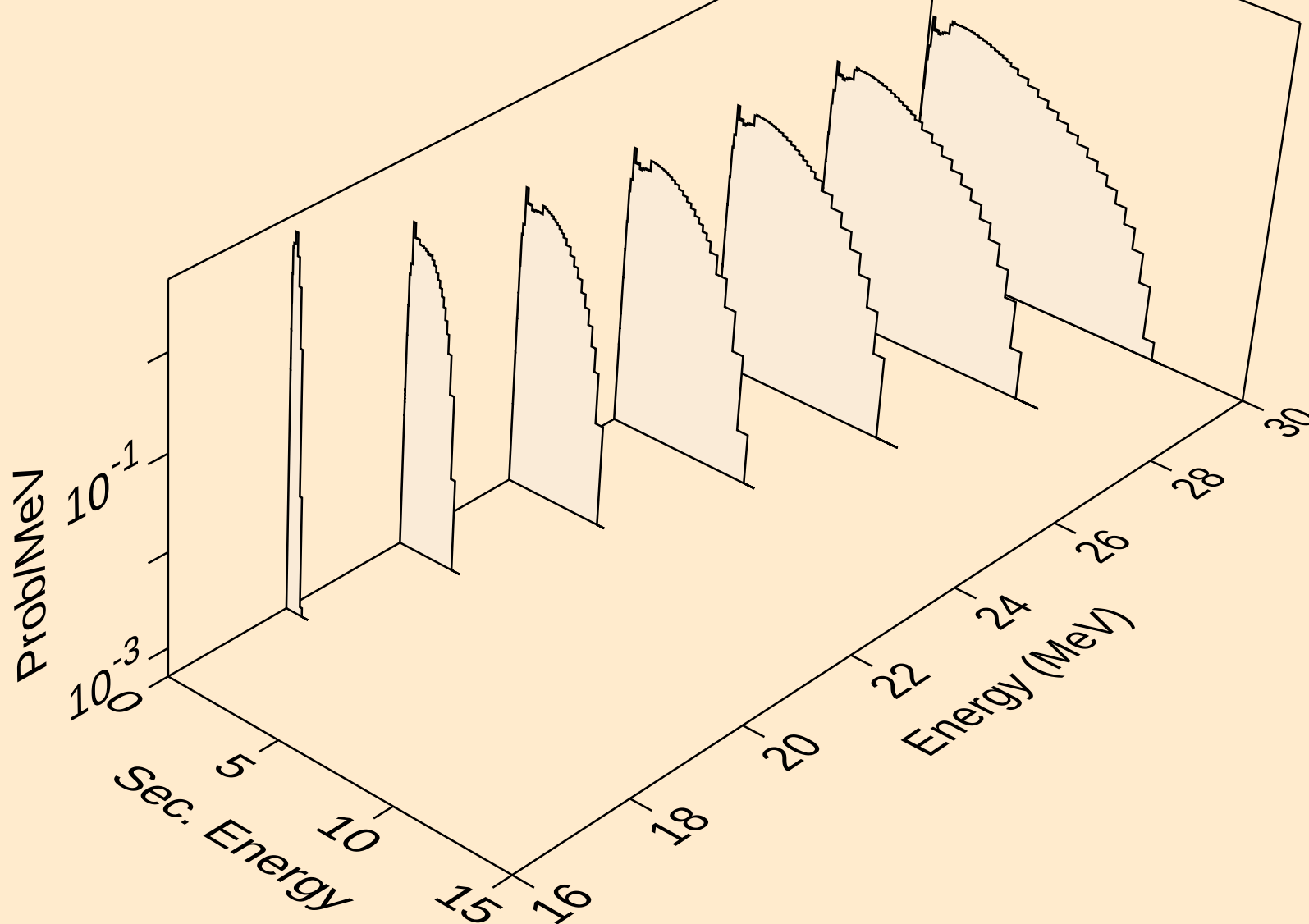
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)t



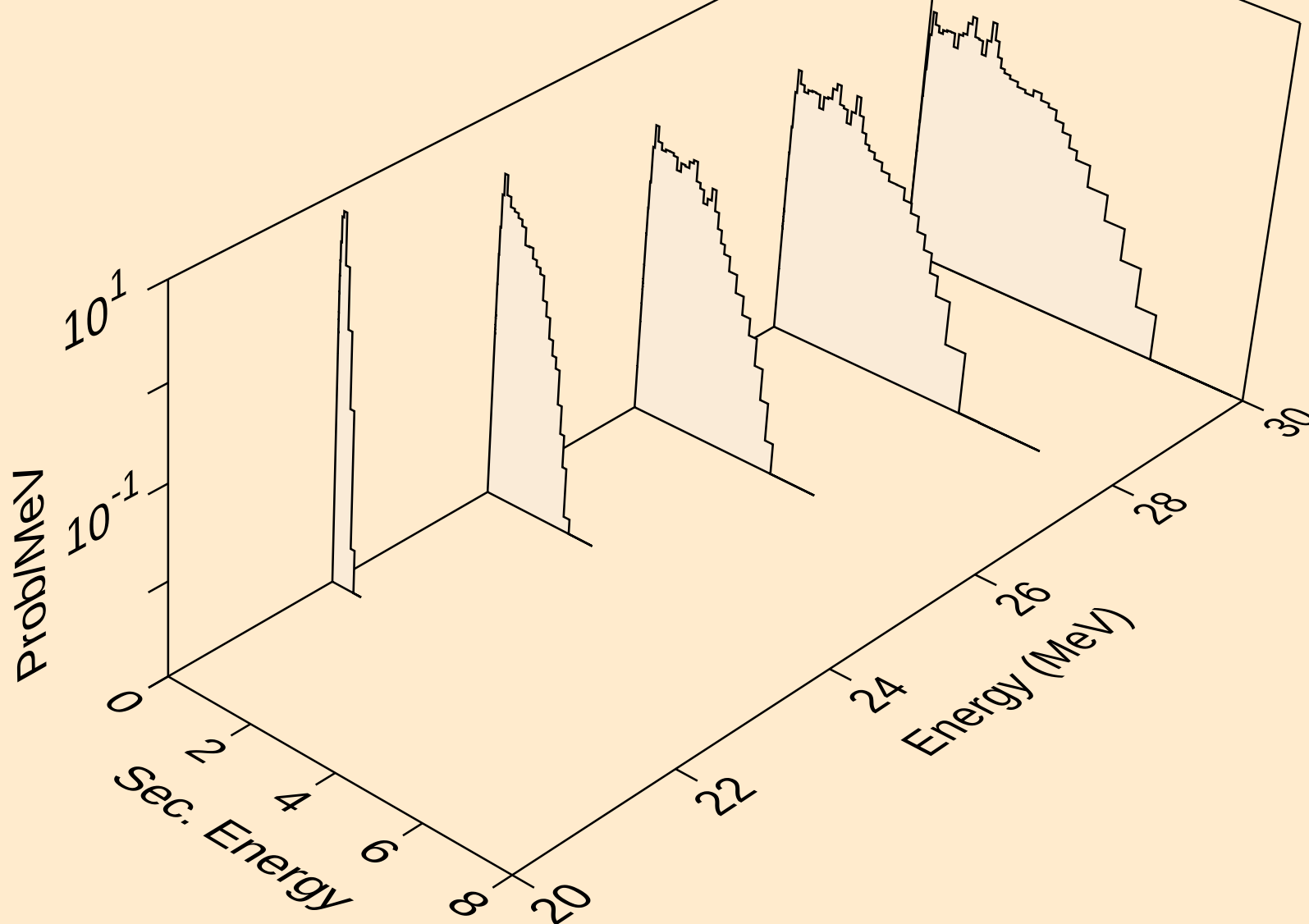
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



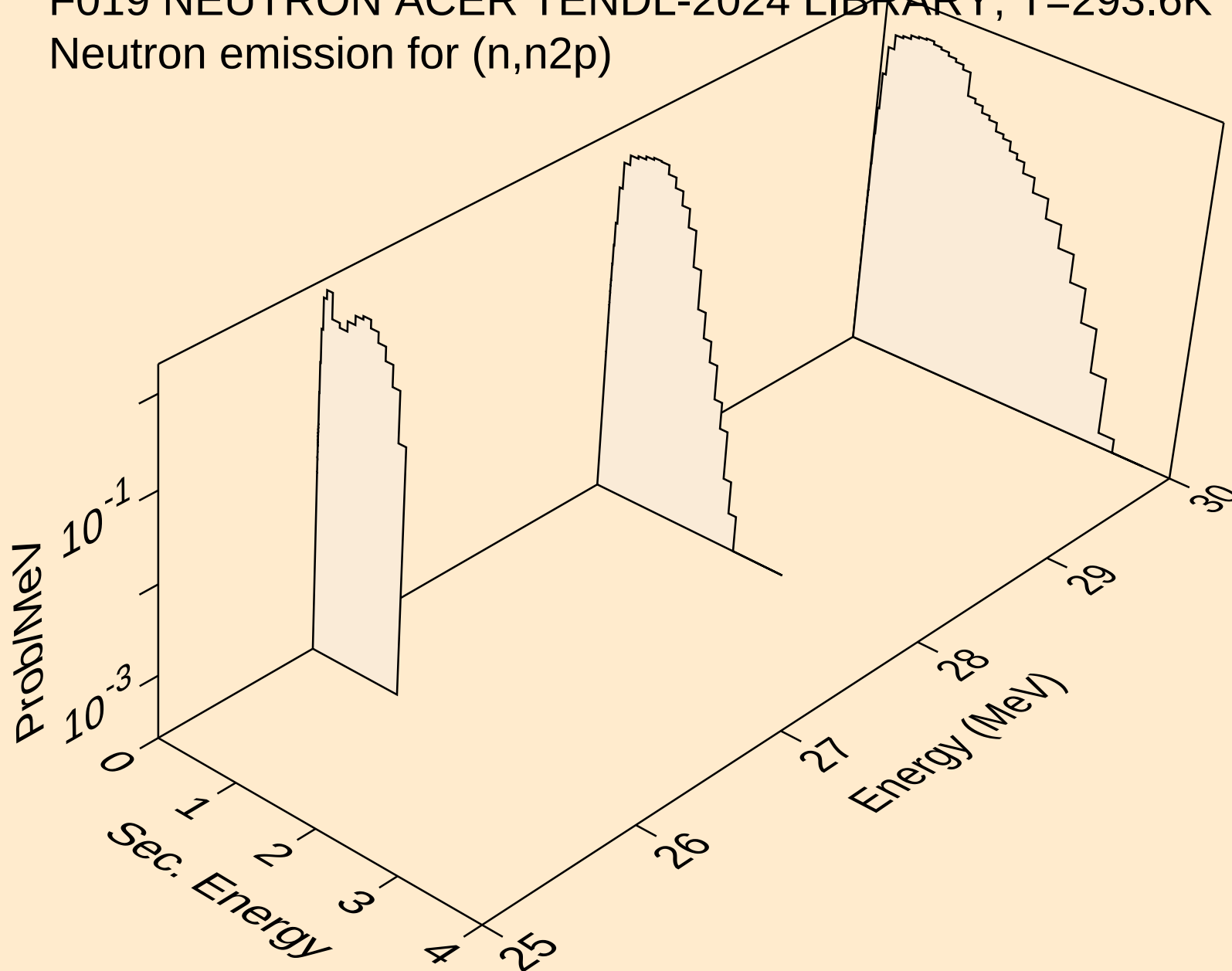
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2np)



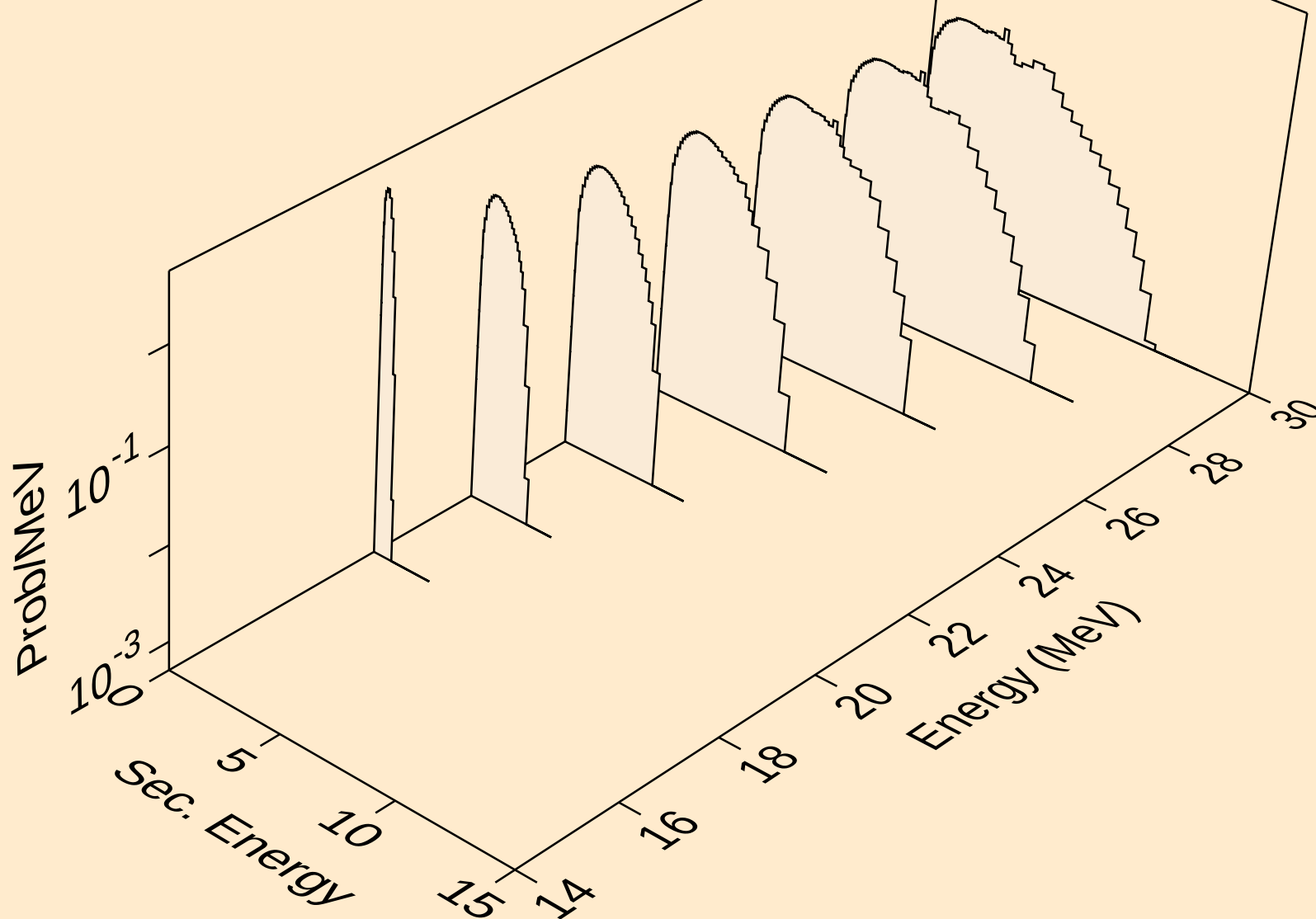
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3np)



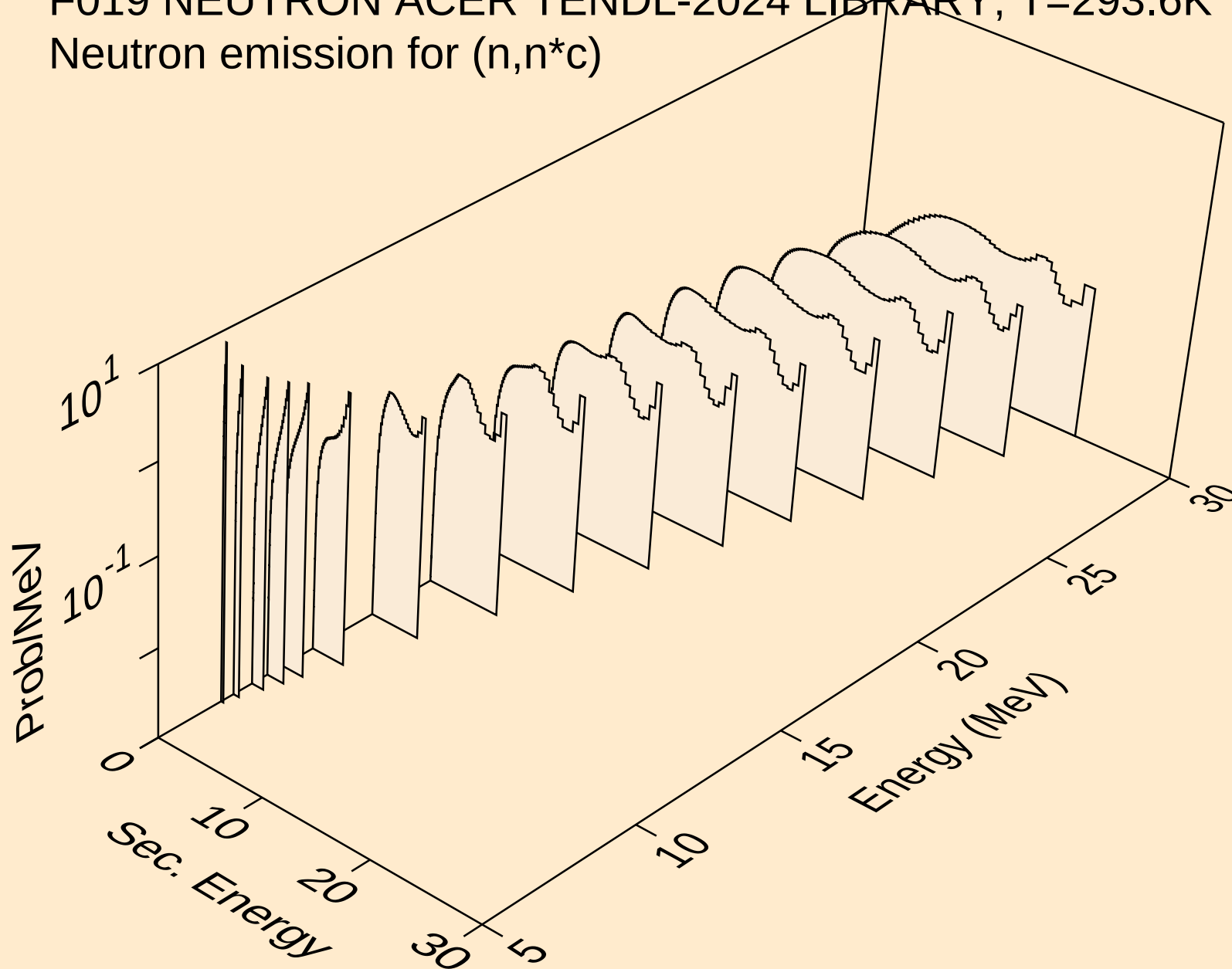
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n2p)



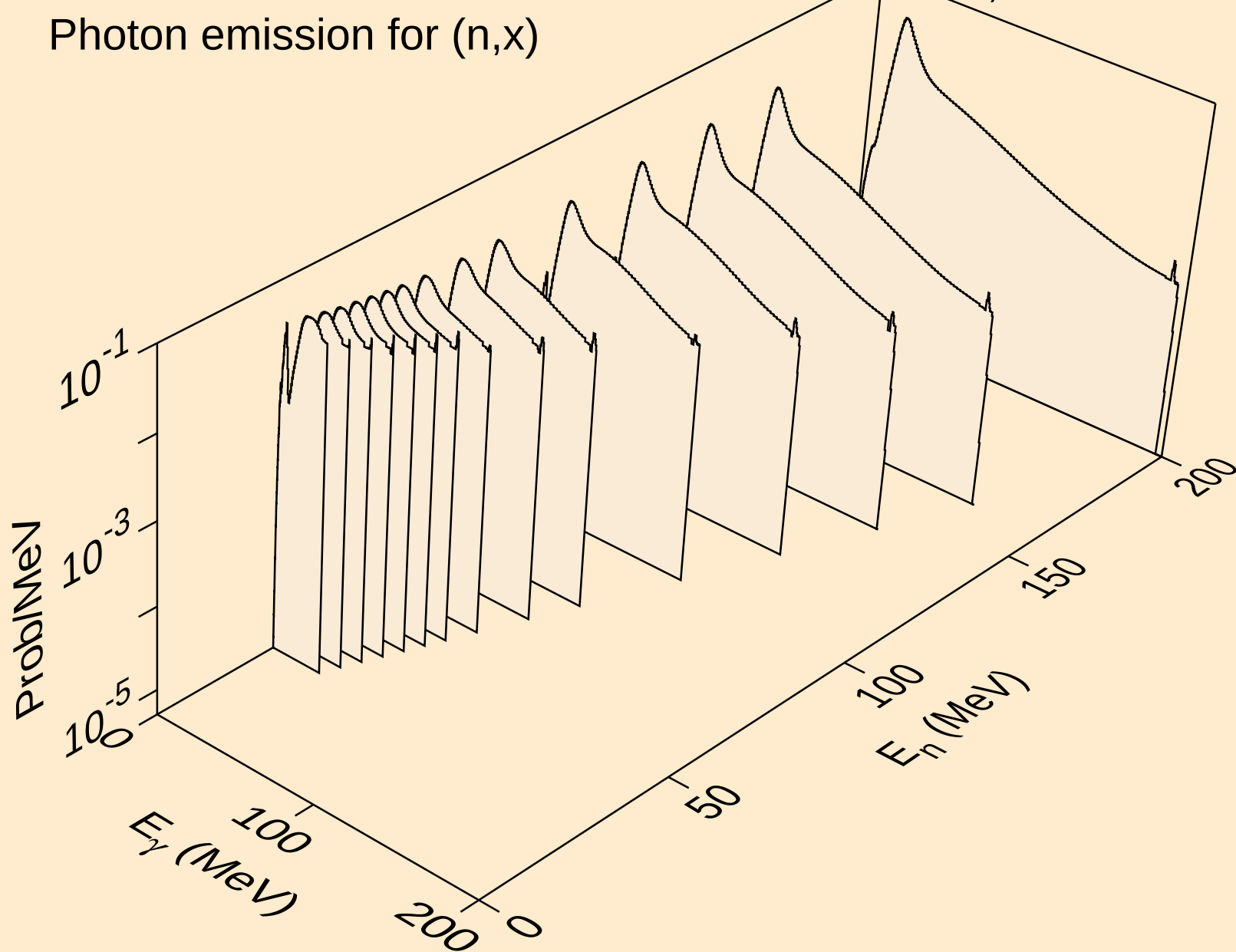
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,npa)



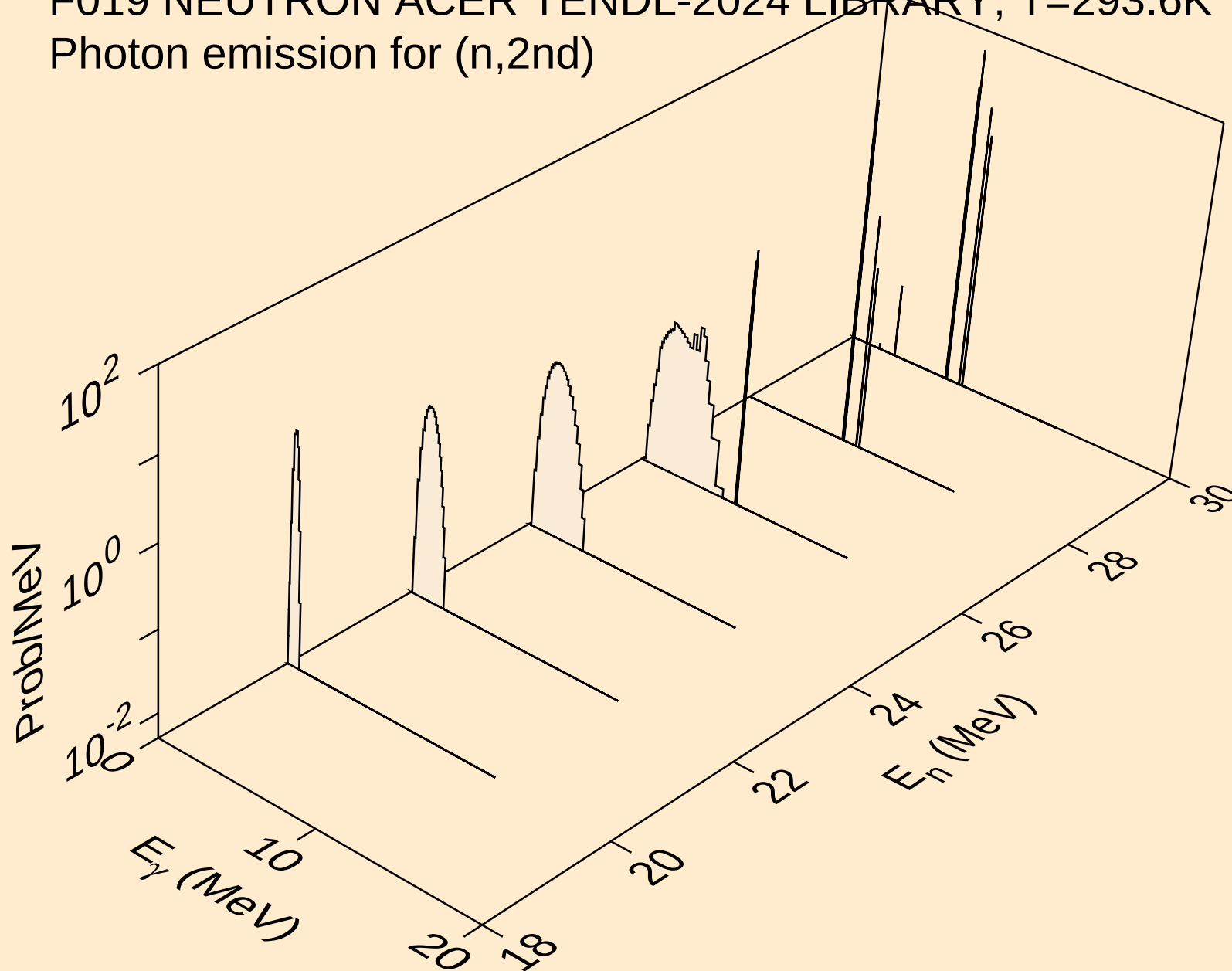
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



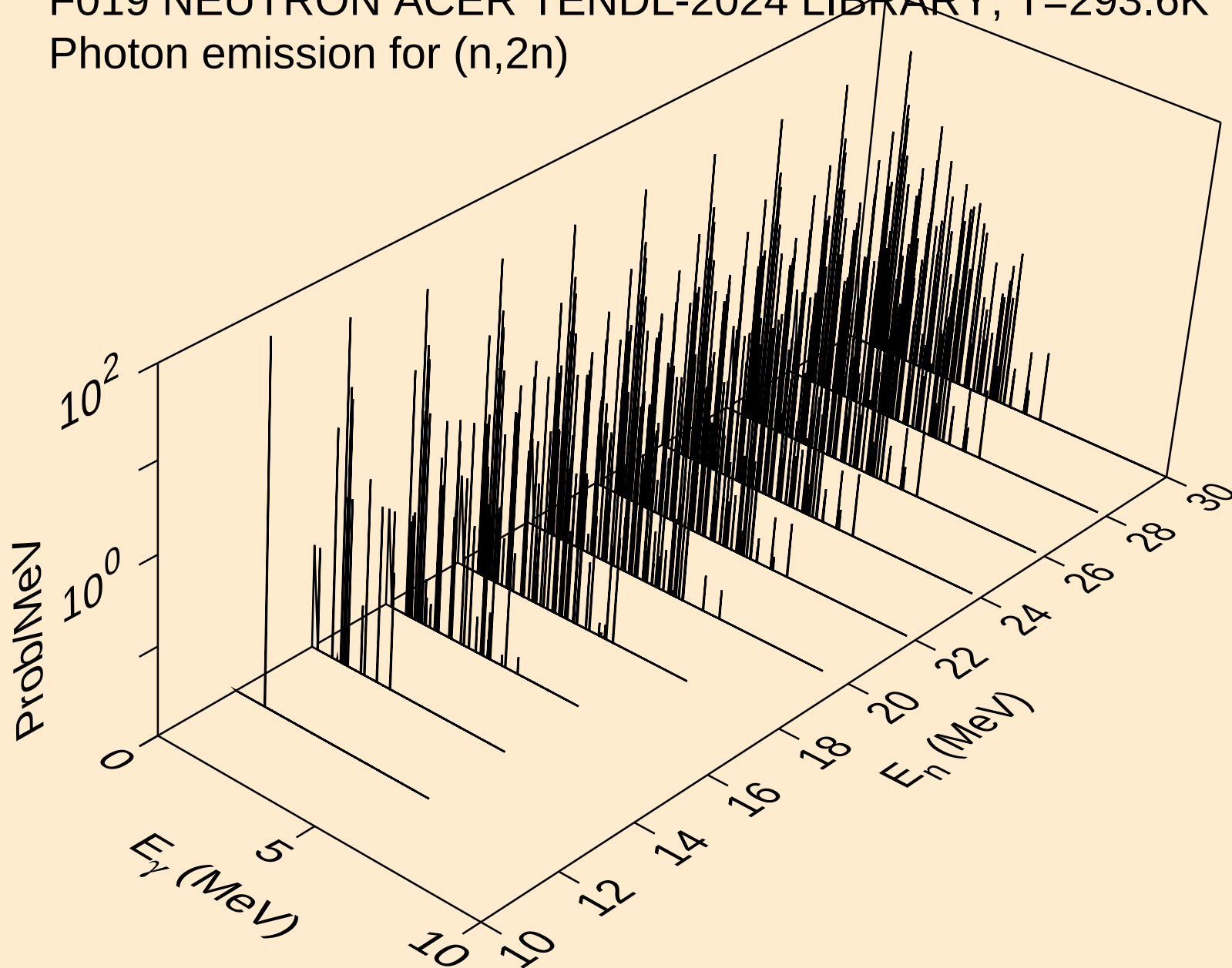
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)



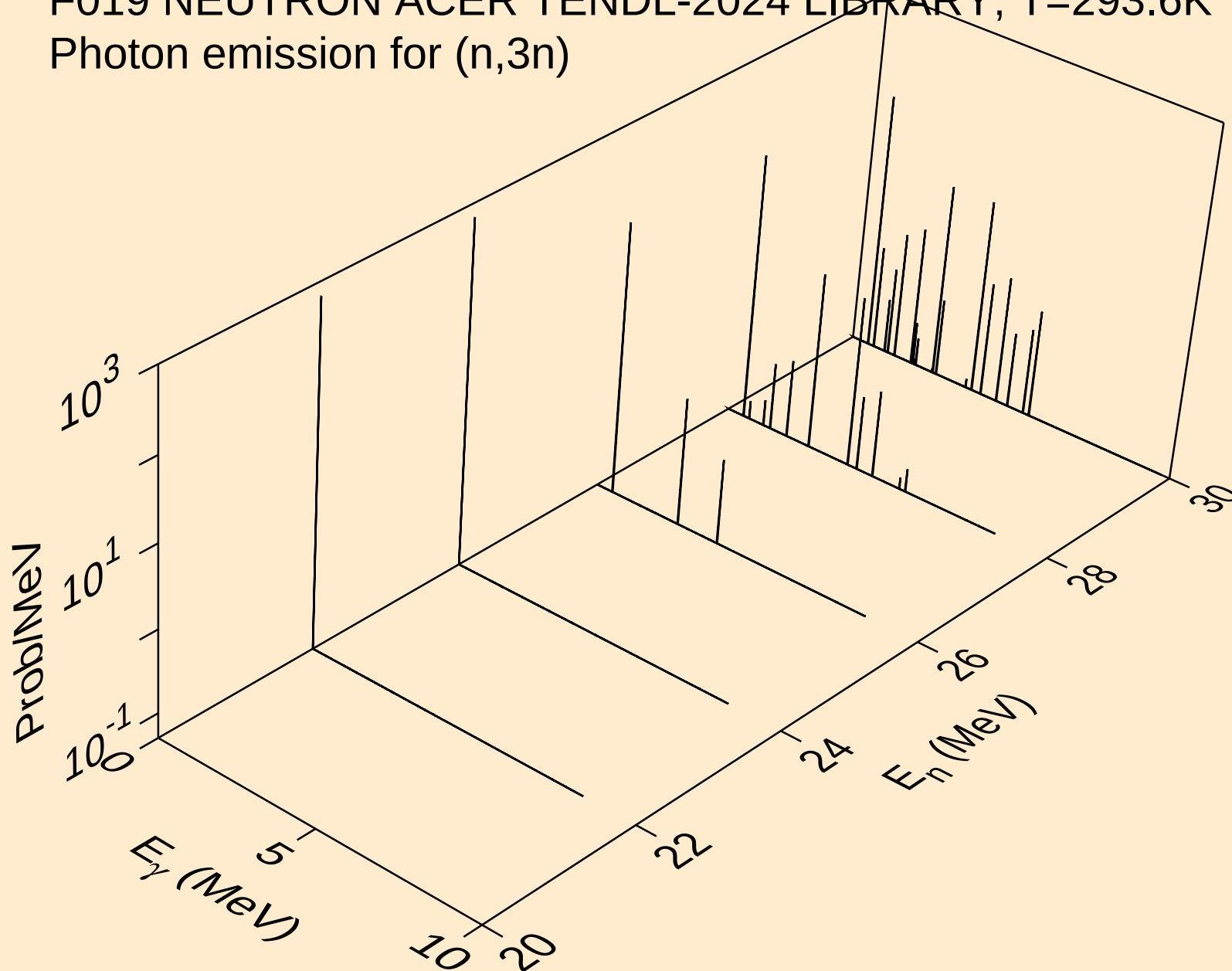
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2nd)



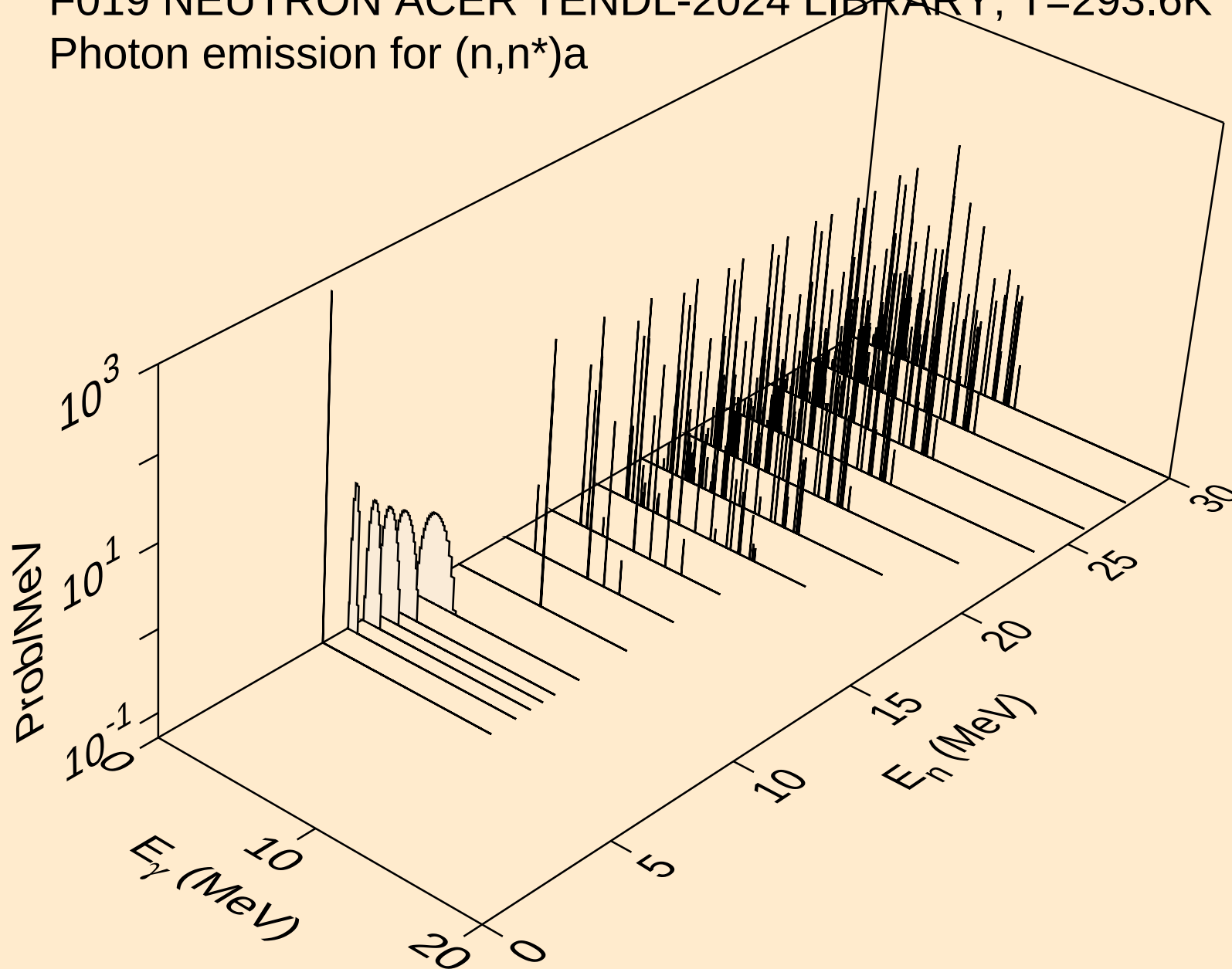
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Photon emission for (n,2n)



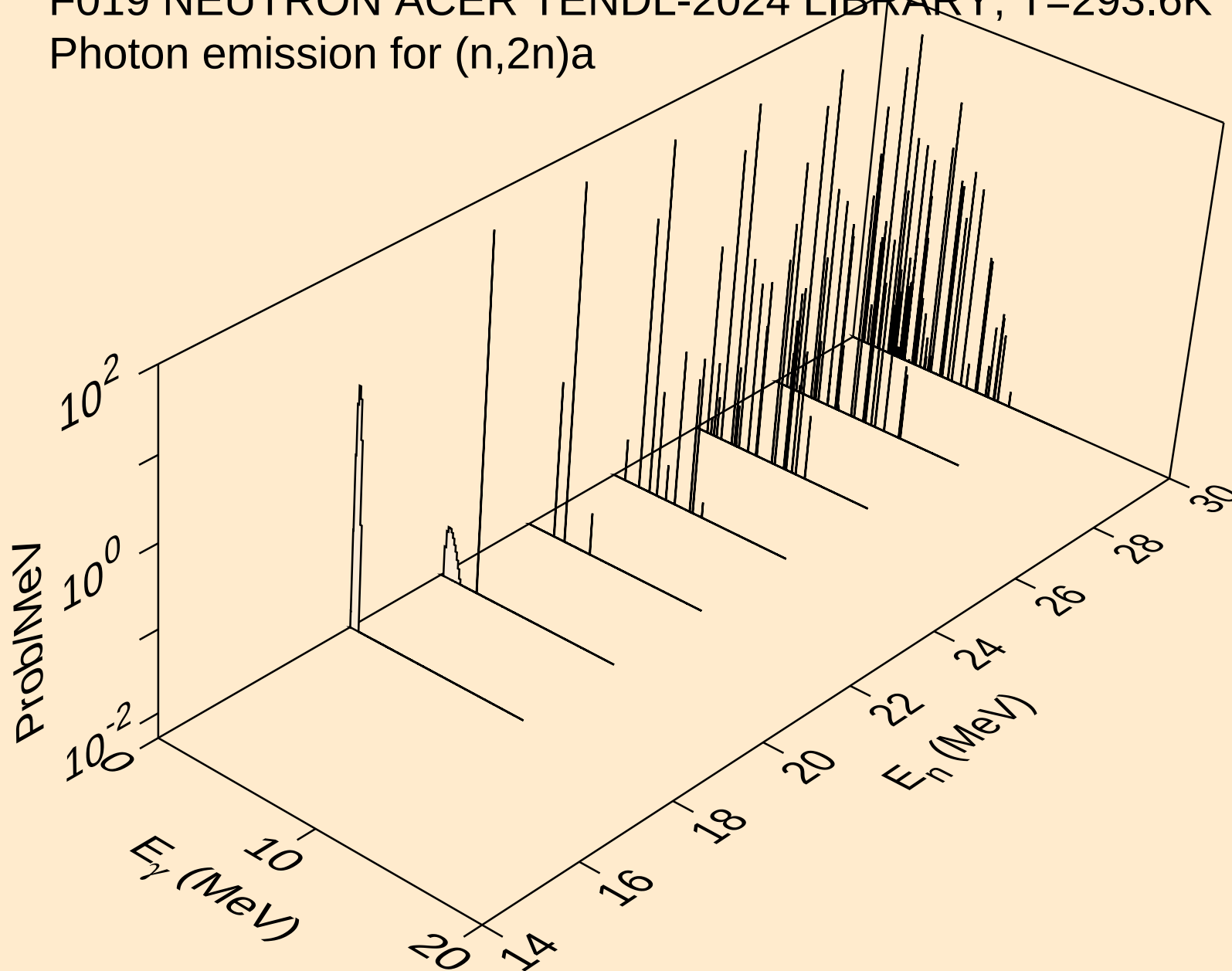
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Photon emission for (n,3n)



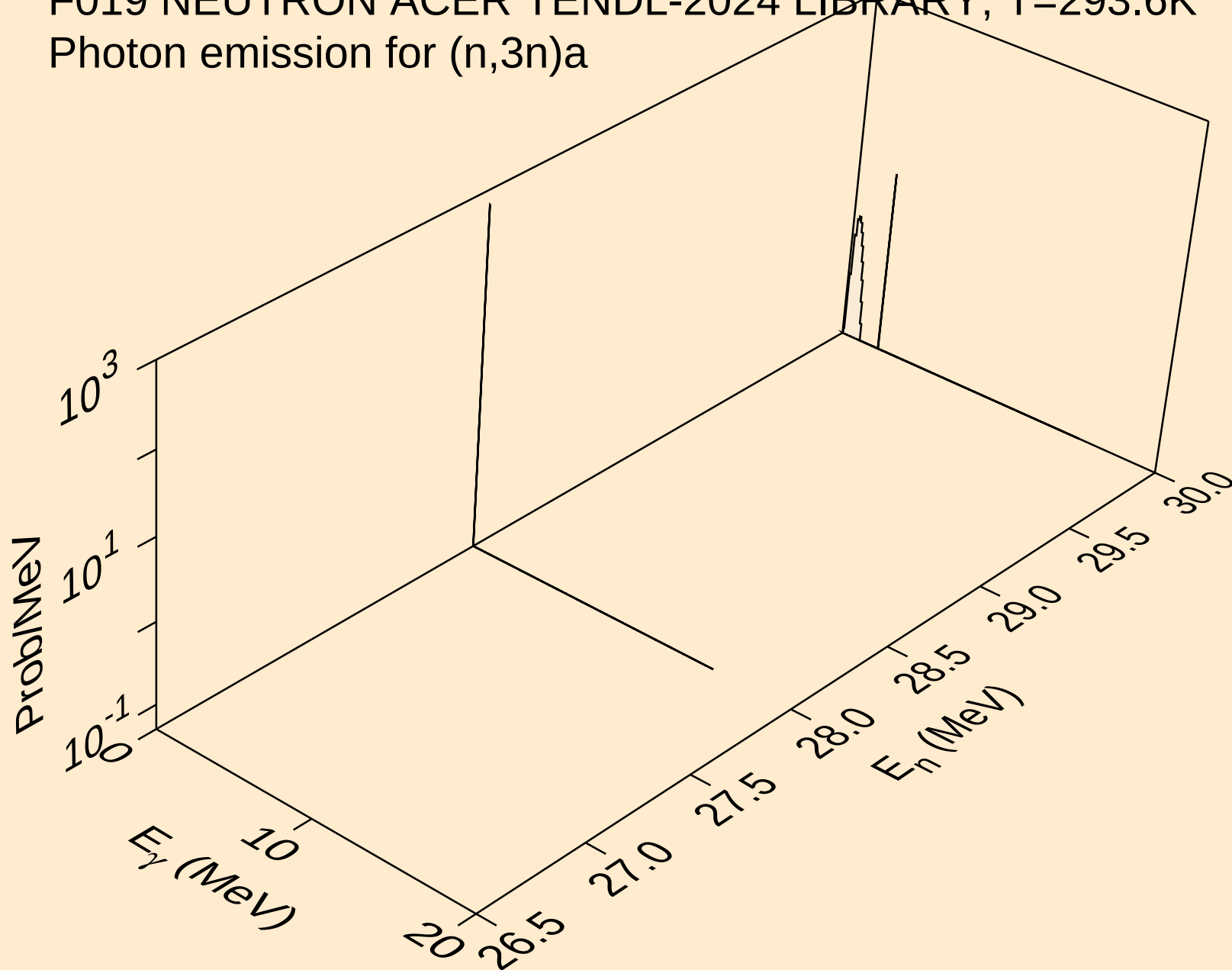
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)a



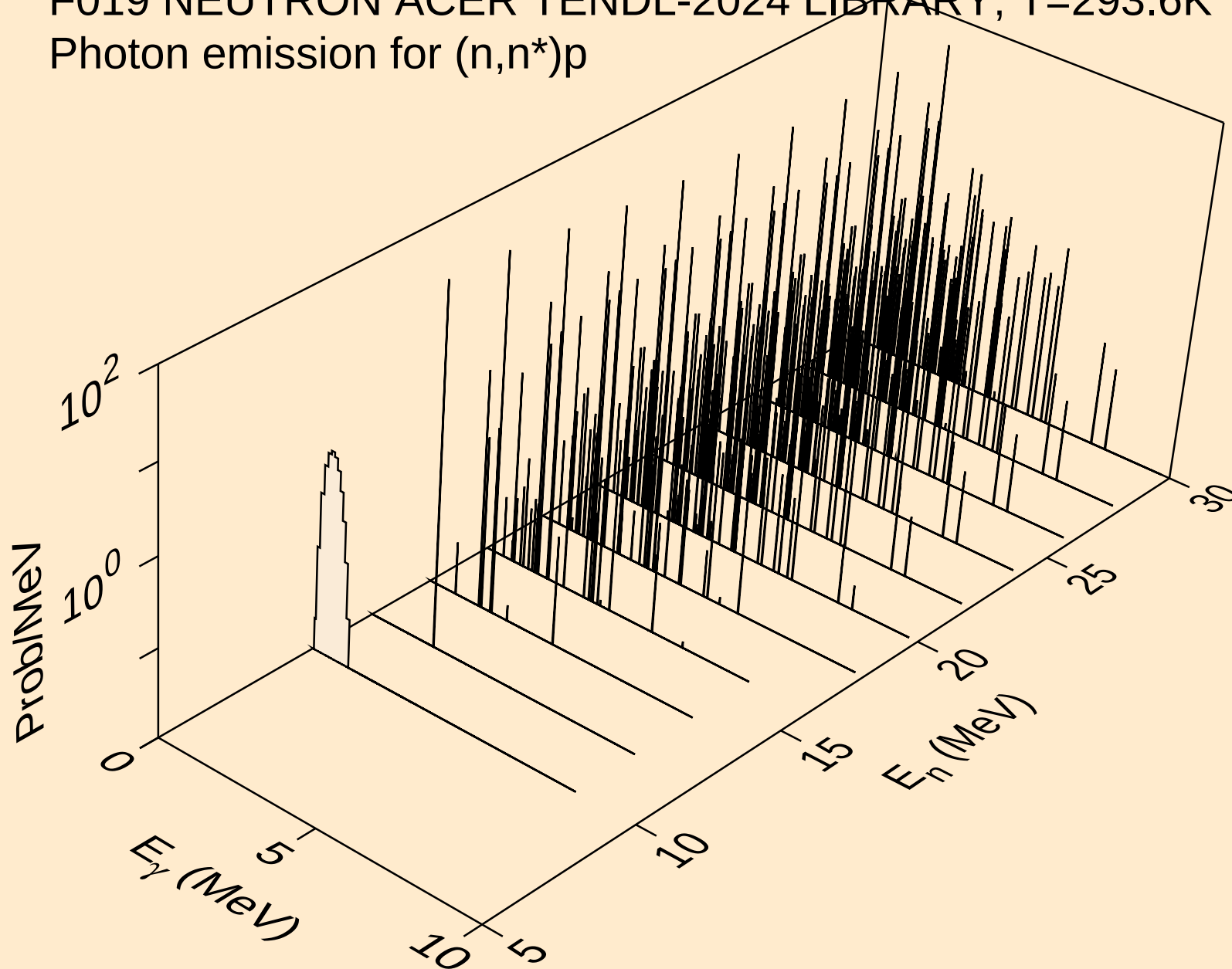
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2n)a



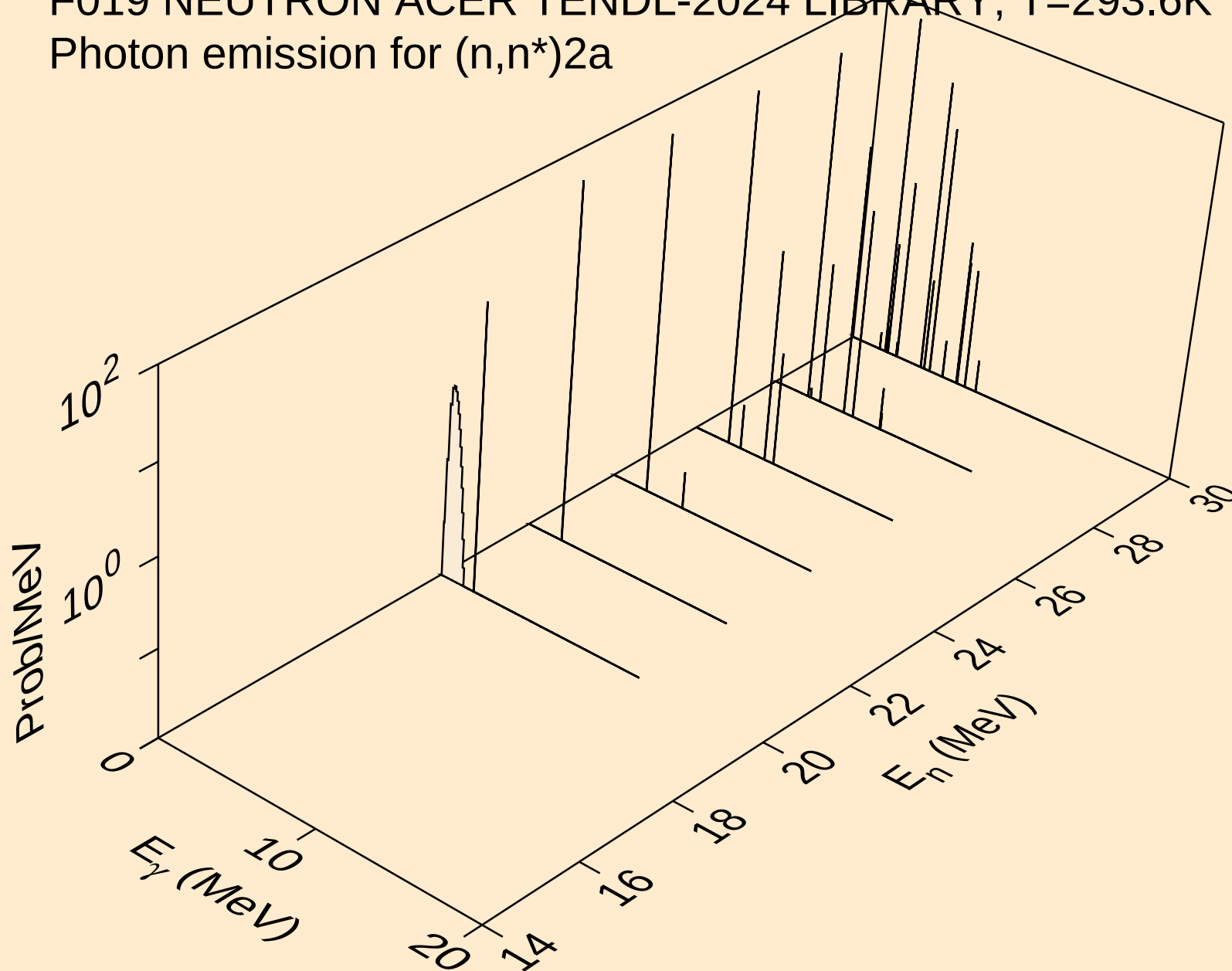
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)a



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)p

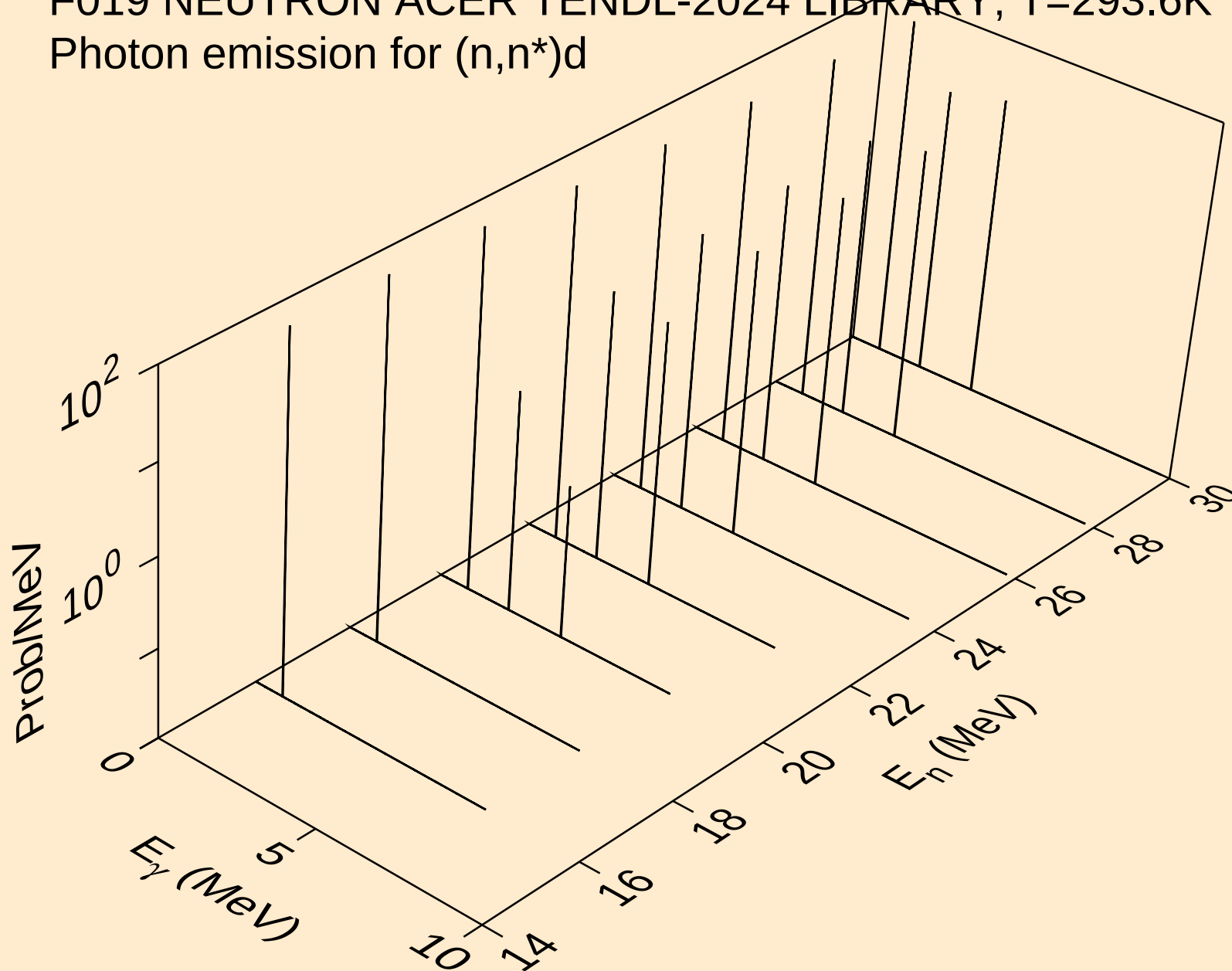


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)2a

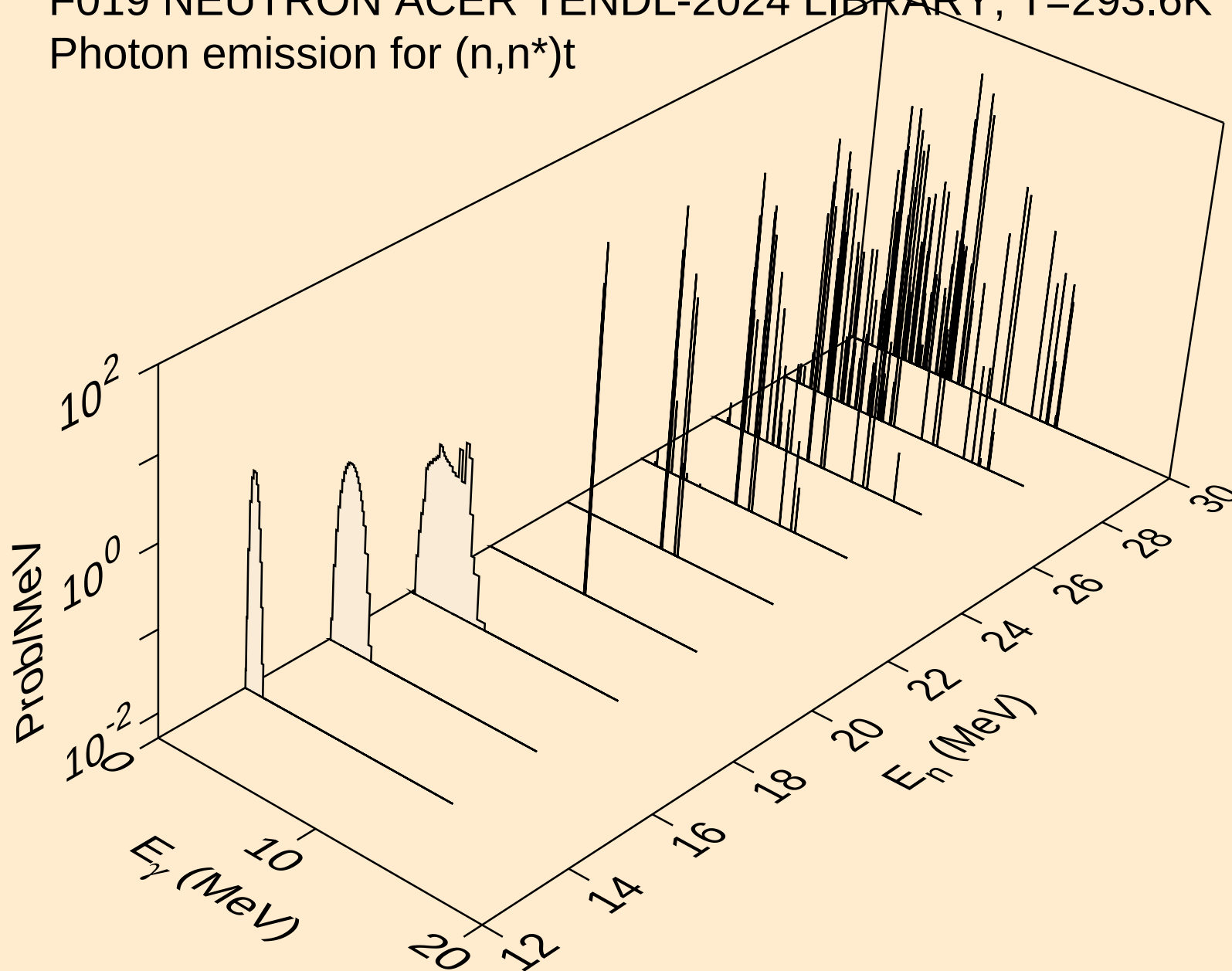


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

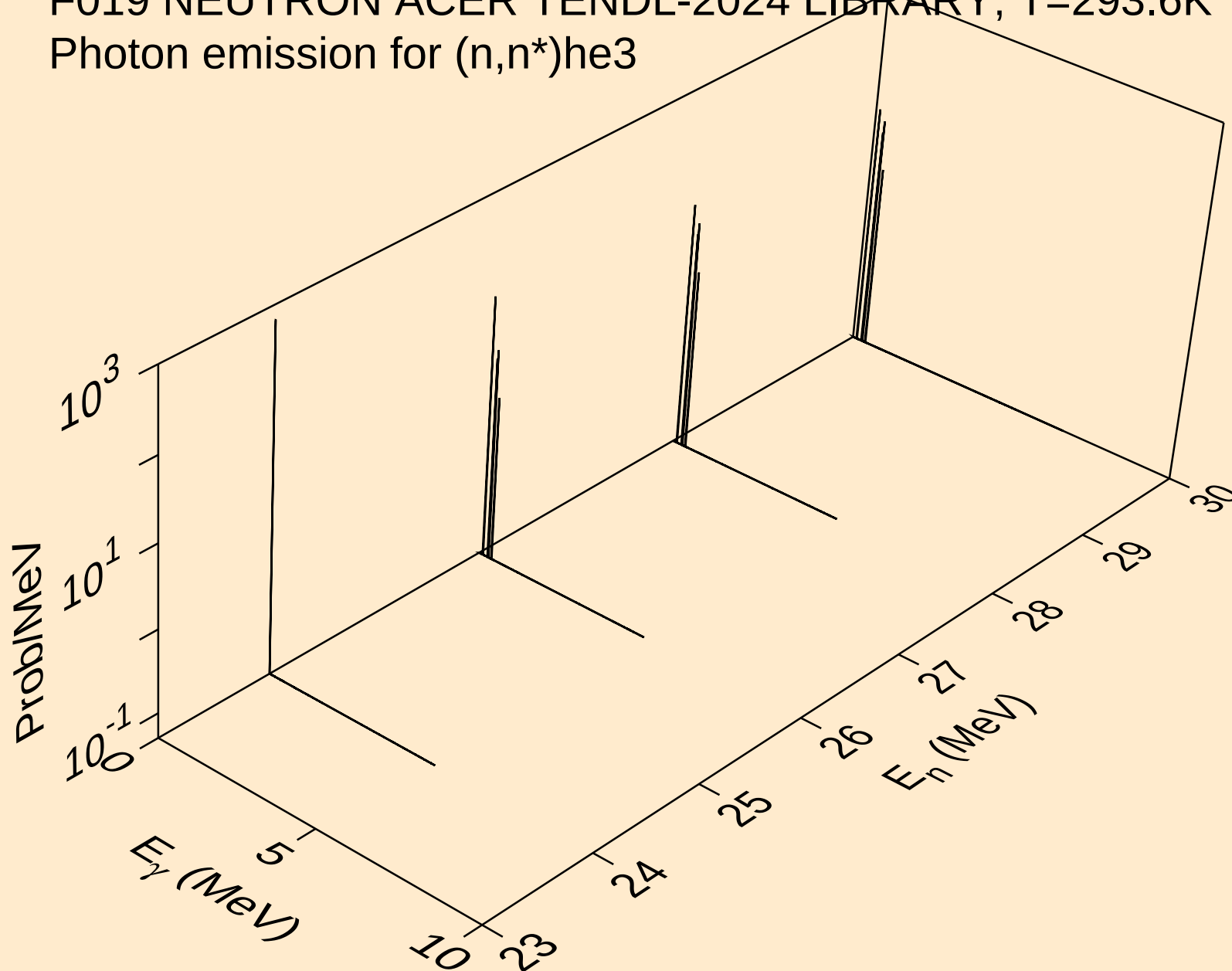
Photon emission for (n,n*)d



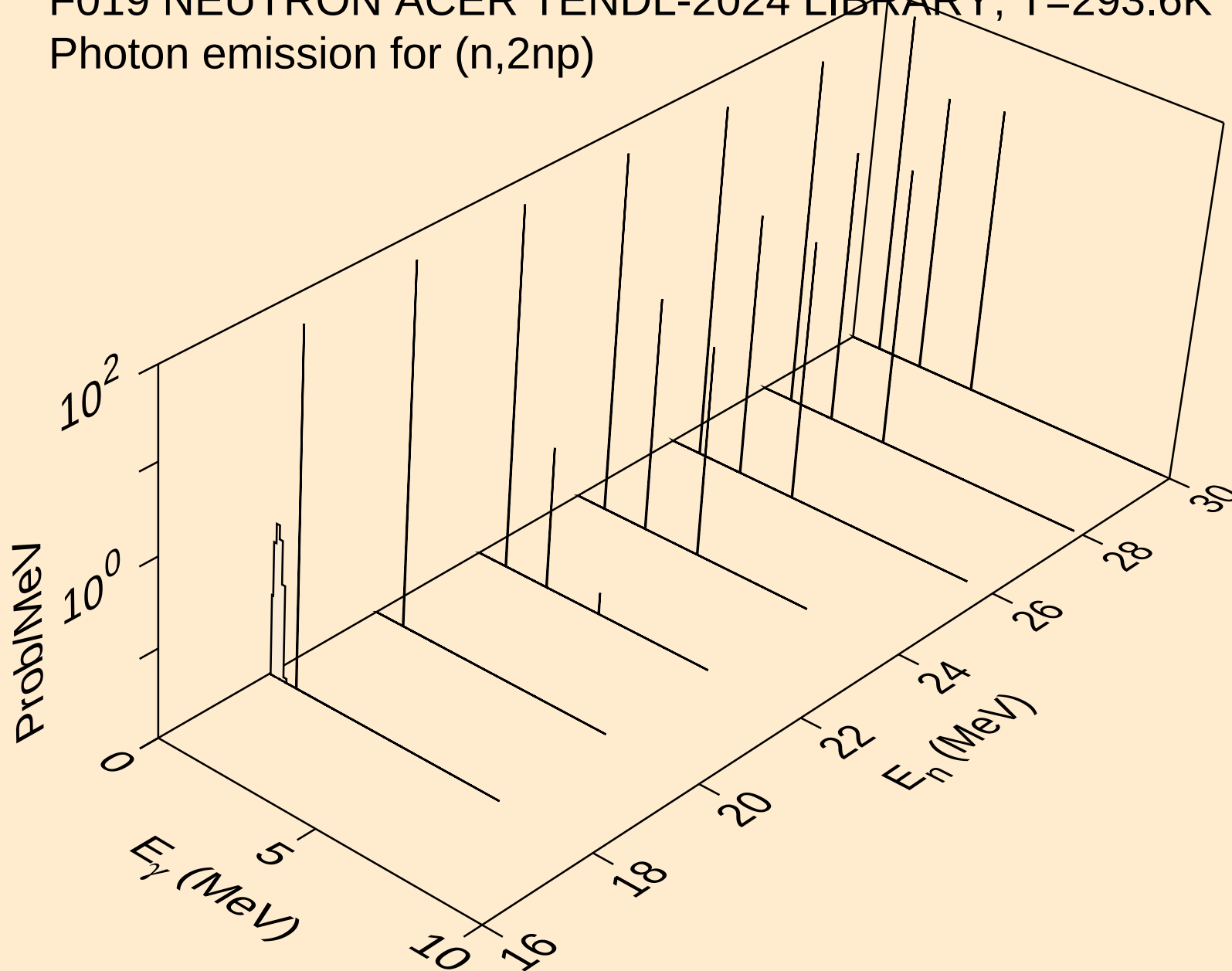
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)t



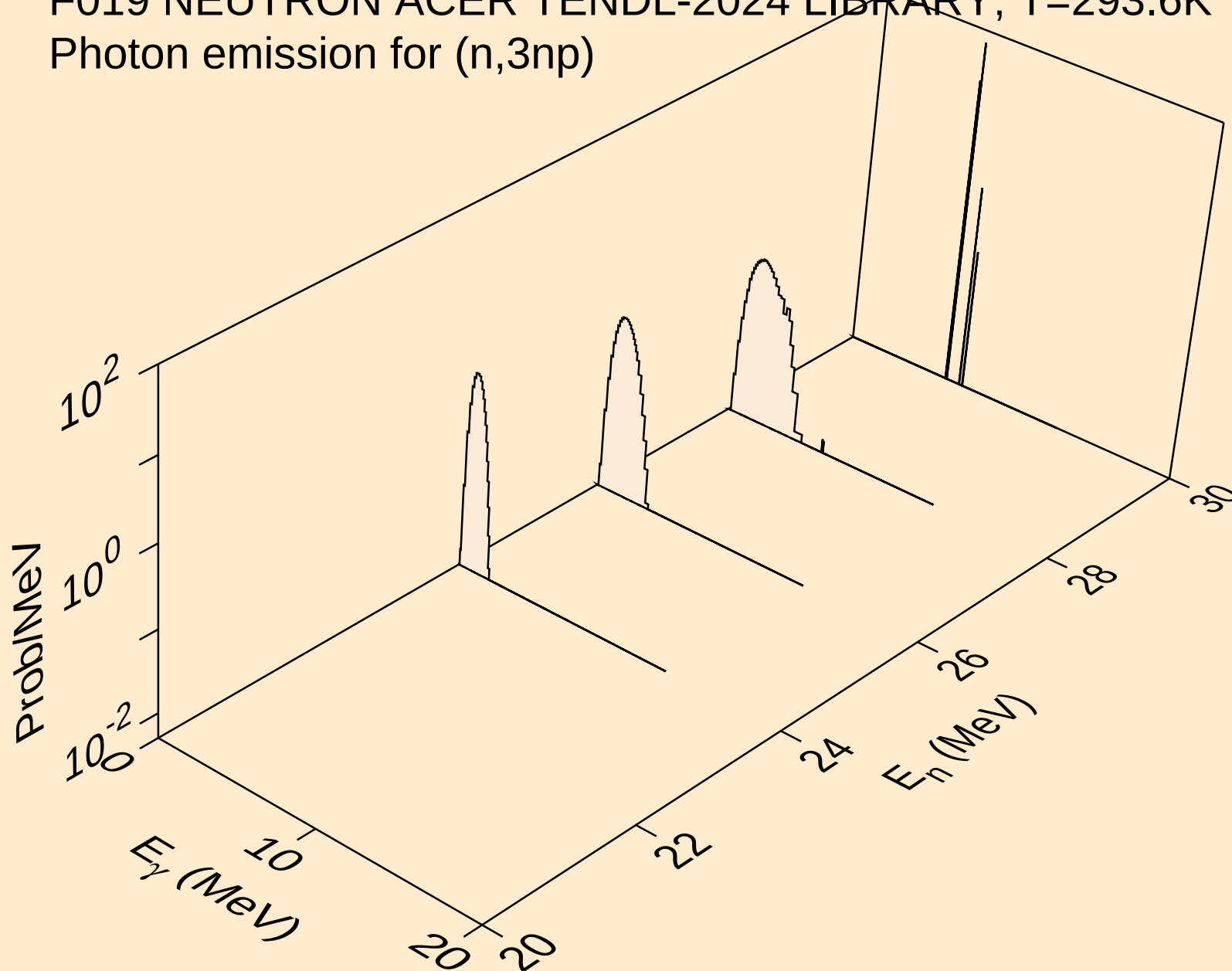
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)he3



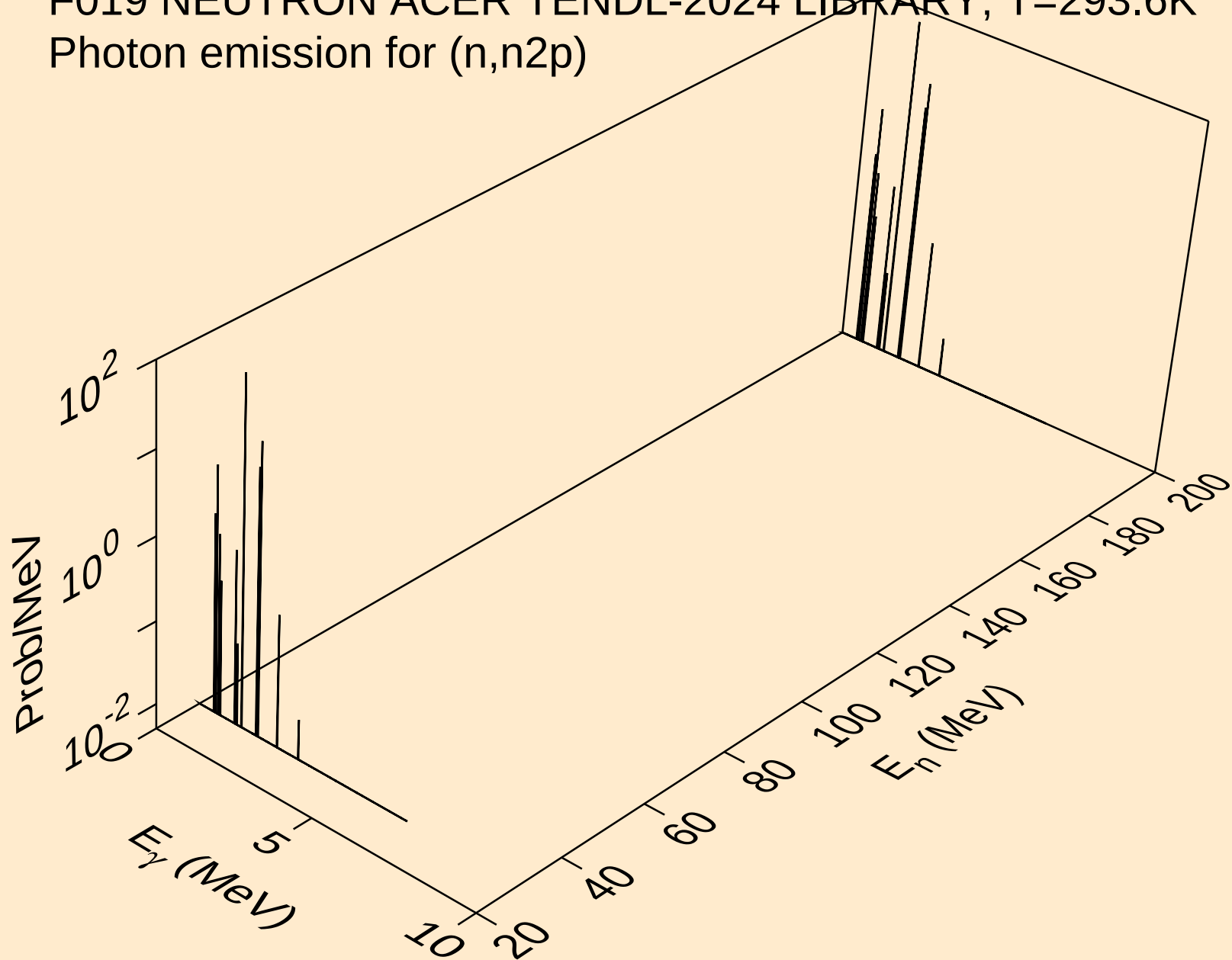
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Photon emission for (n,2np)



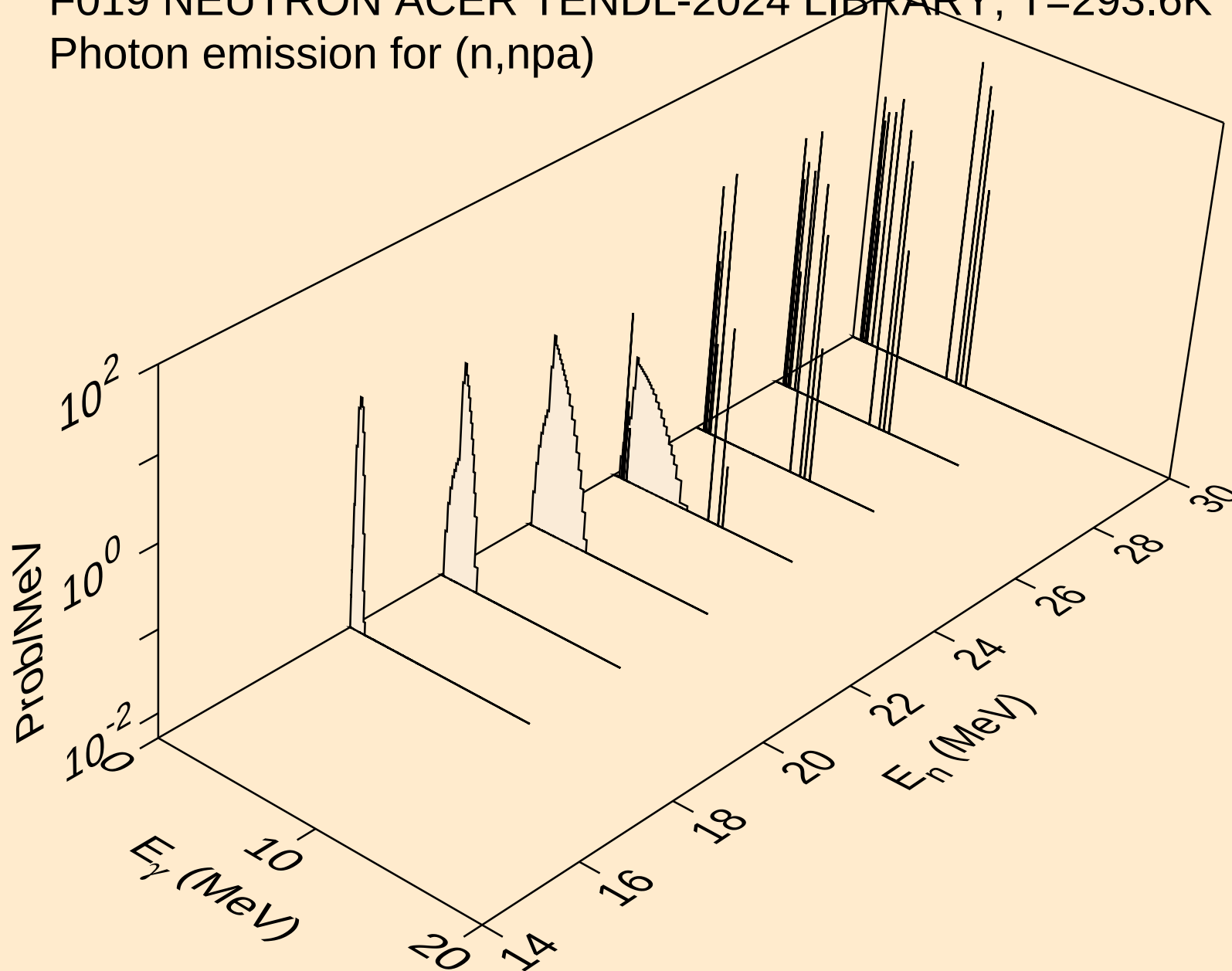
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Photon emission for (n,3np)



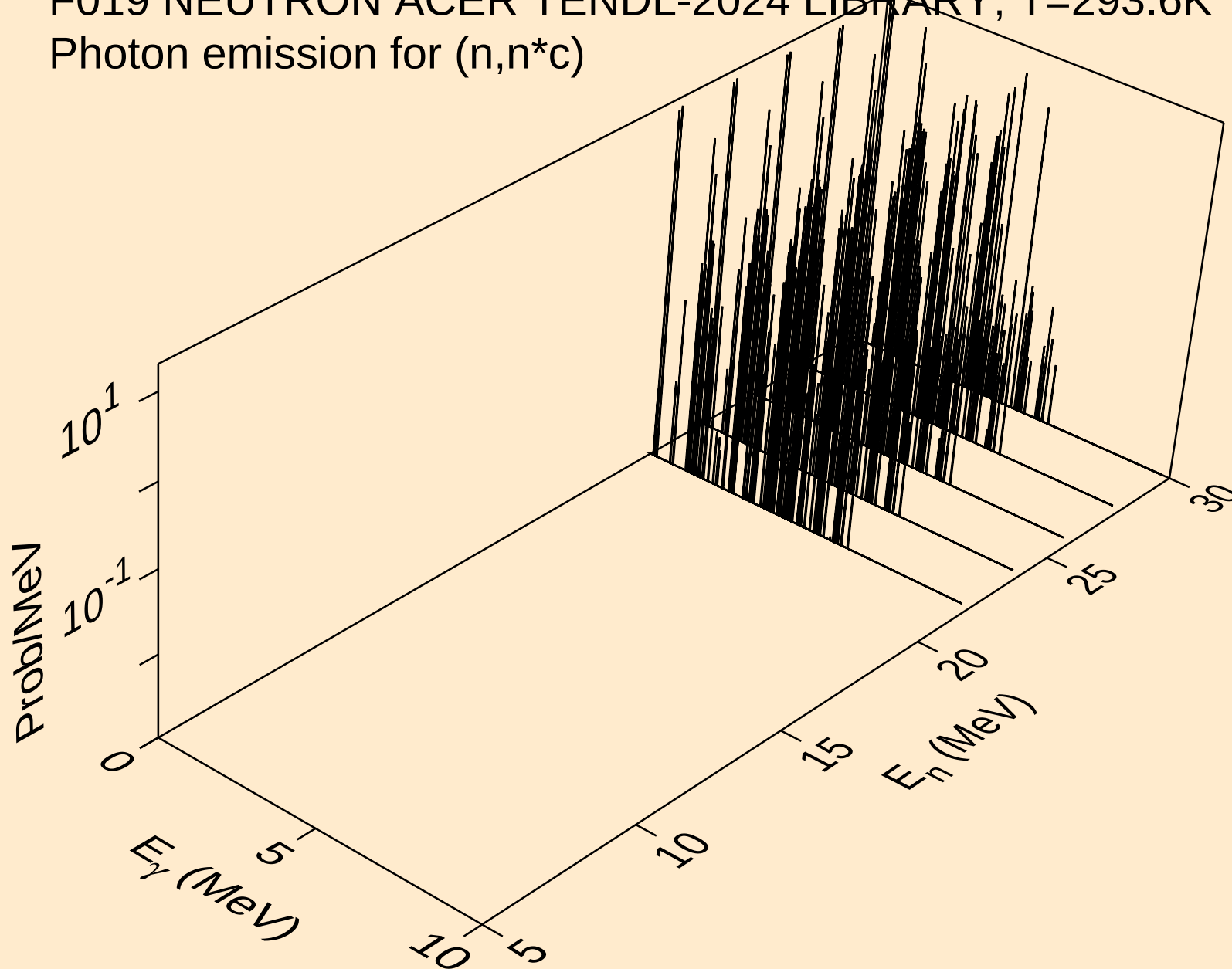
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Photon emission for (n,n2p)



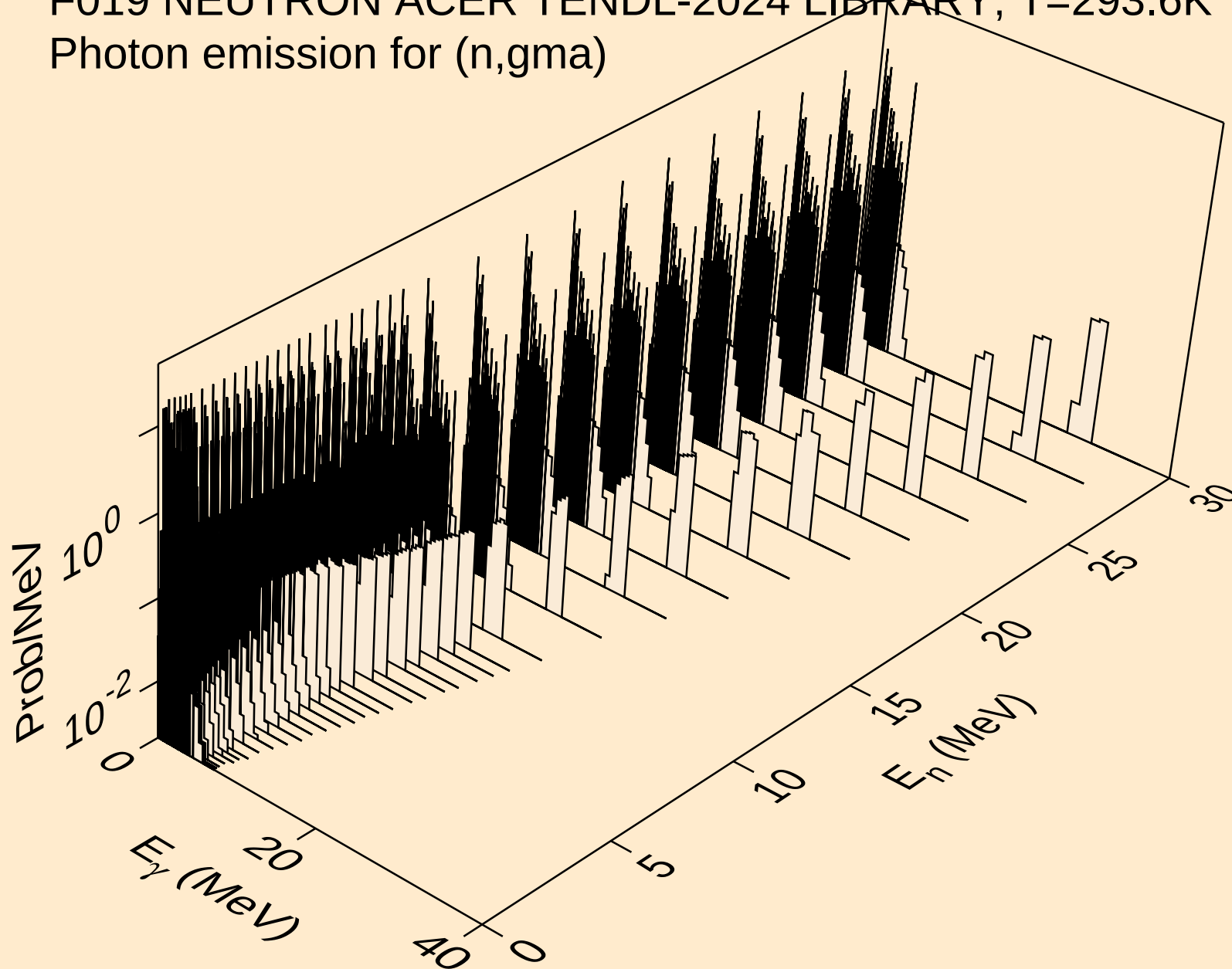
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,npa)



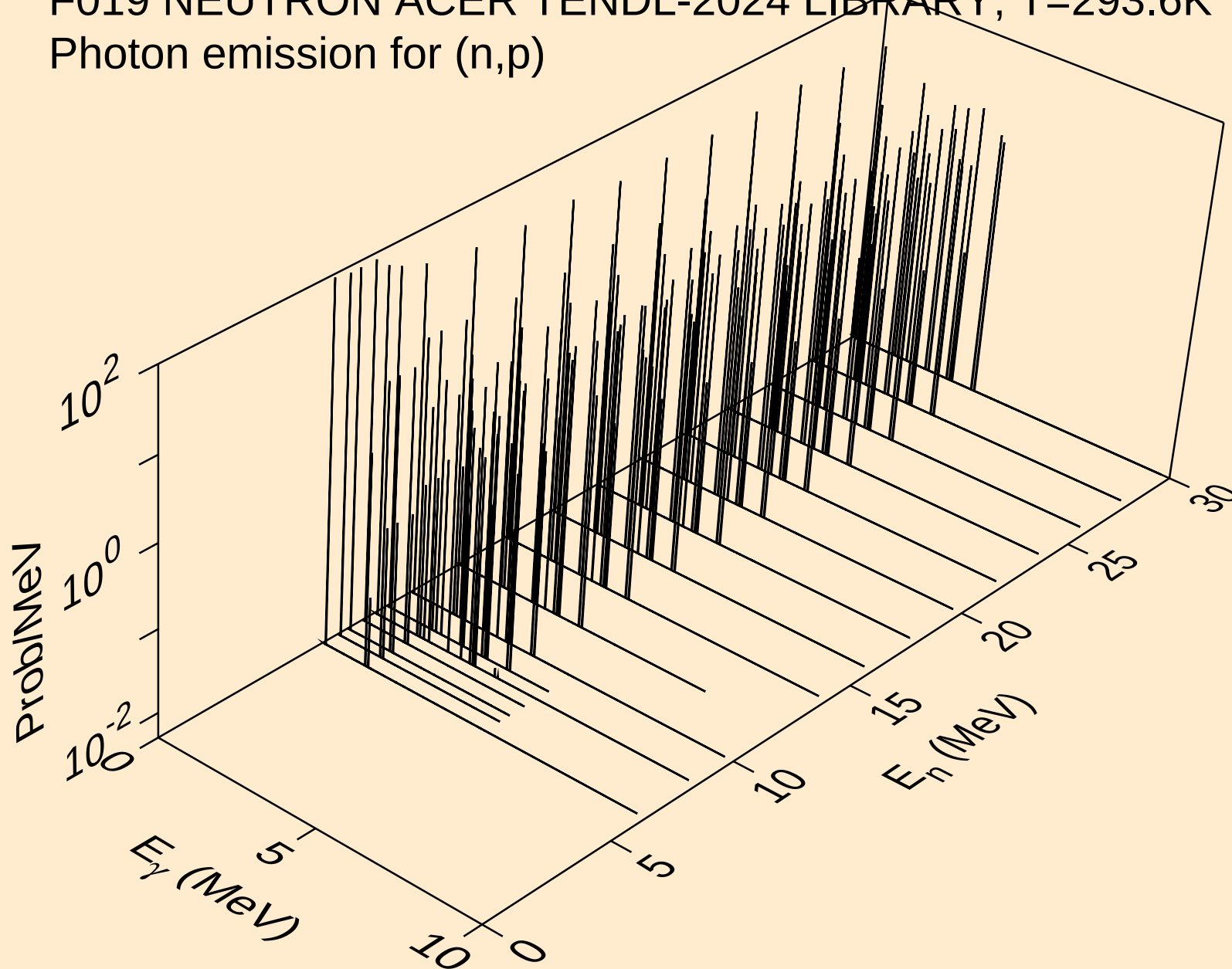
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Photon emission for (n,n*c)



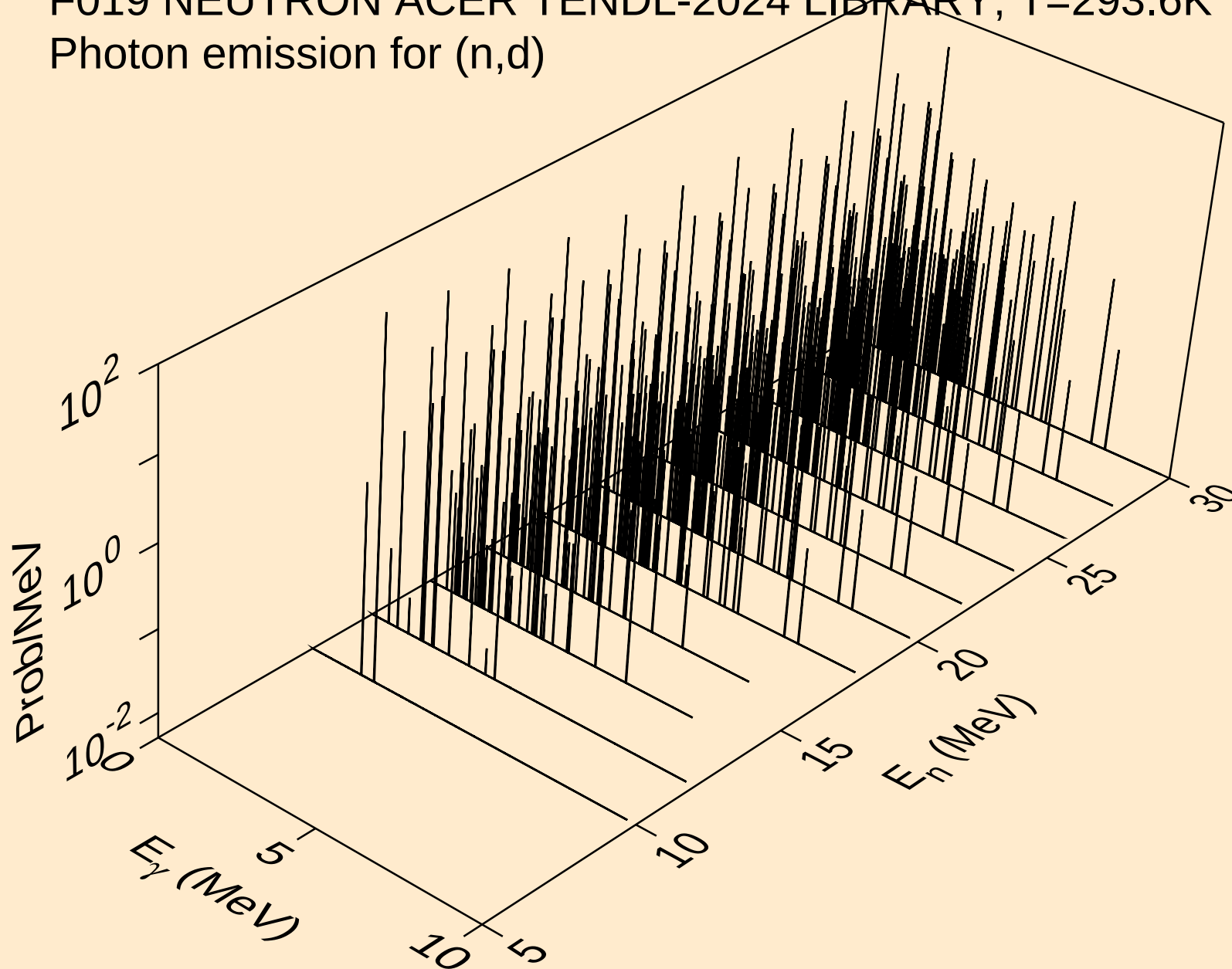
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Photon emission for (n,gma)



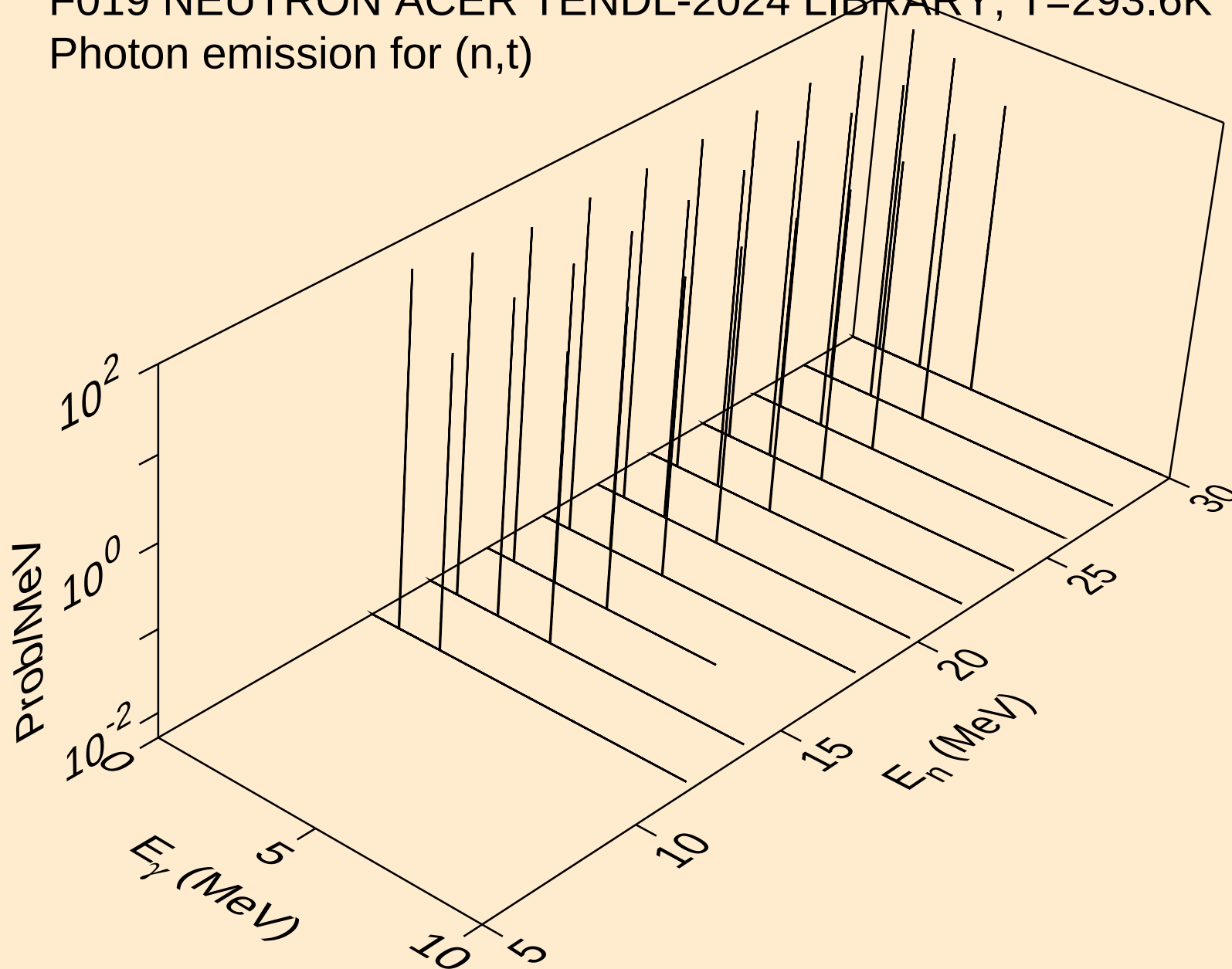
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Photon emission for (n,p)



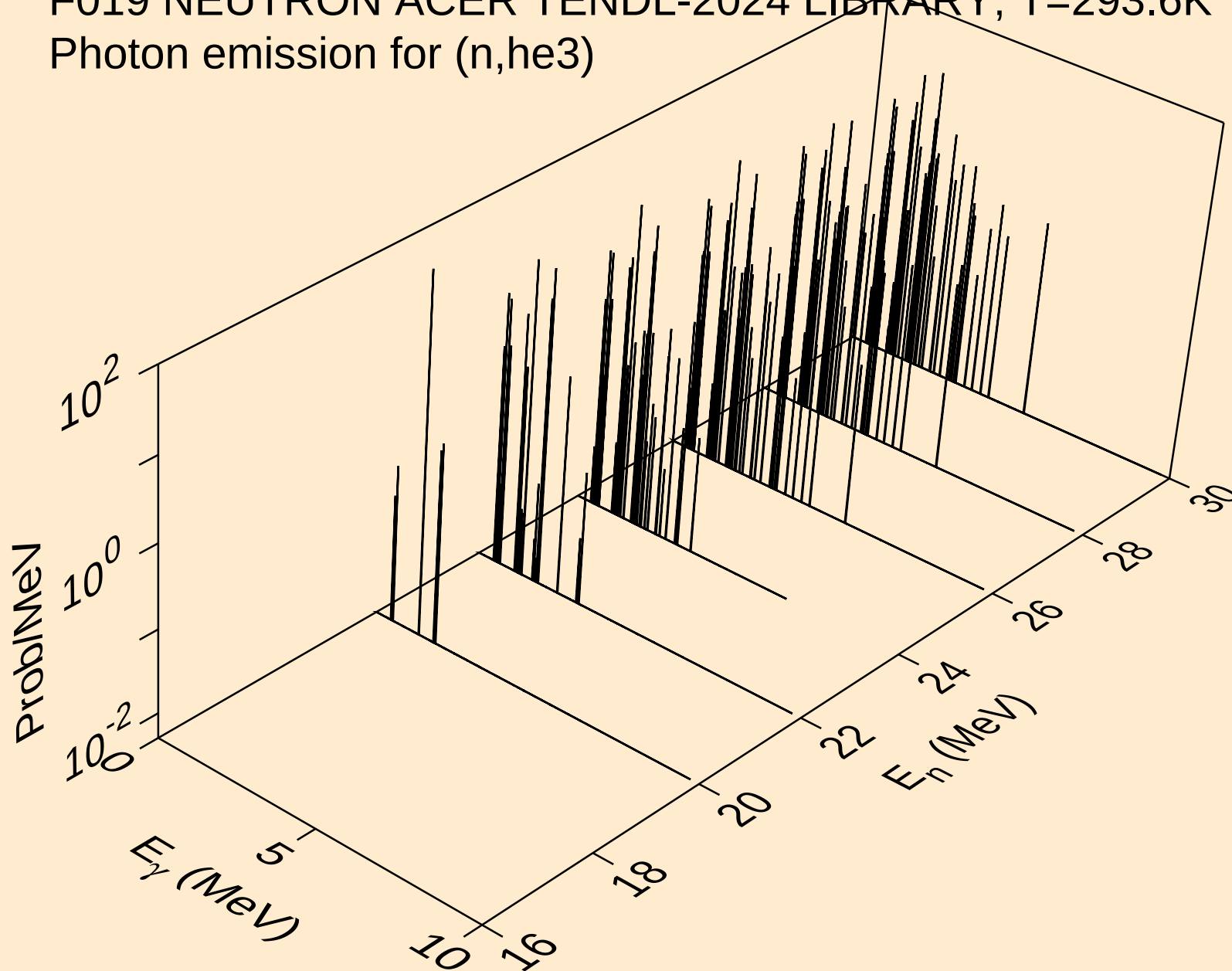
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Photon emission for (n,d)



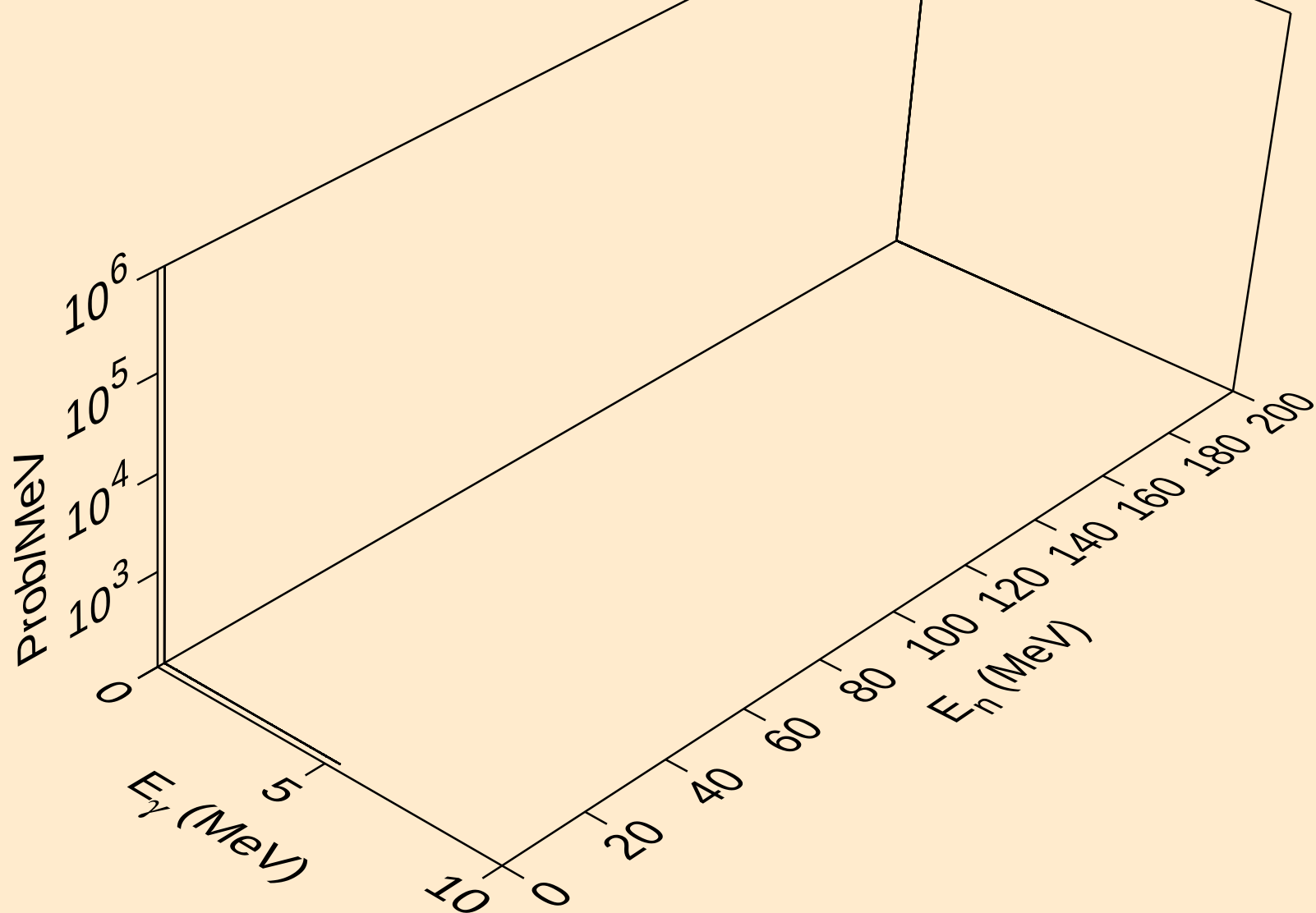
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Photon emission for (n,t)



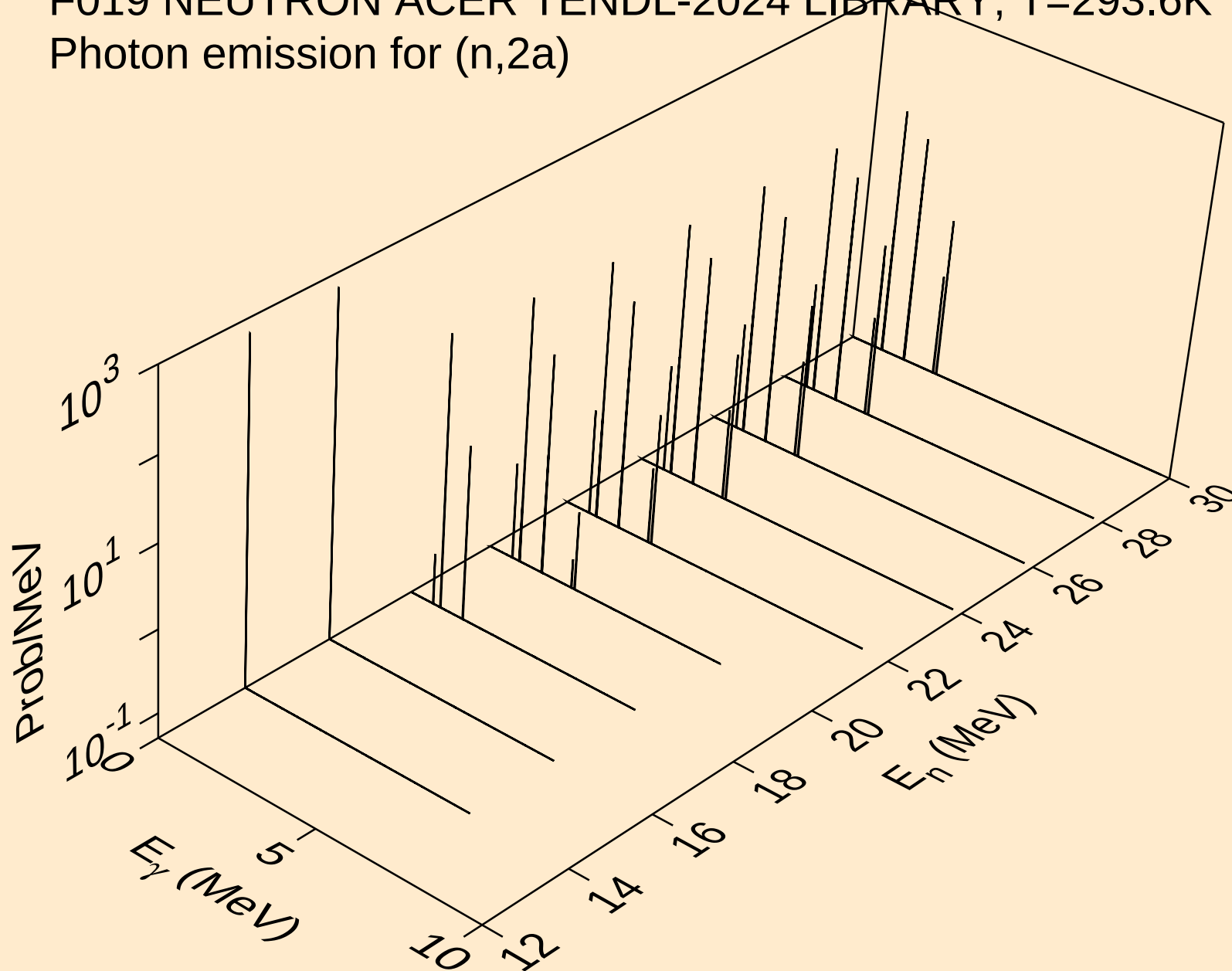
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Photon emission for (n,he3)



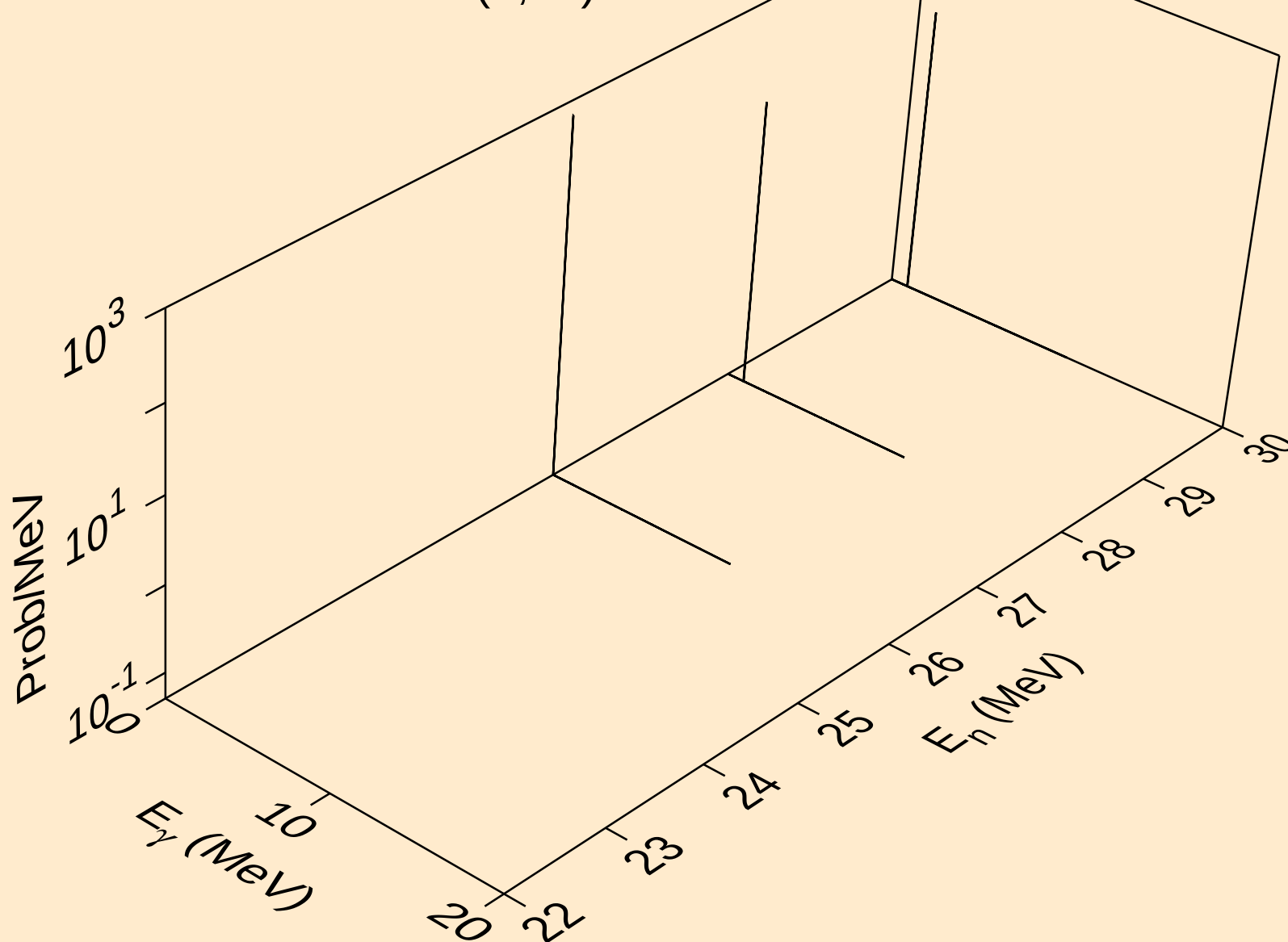
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Photon emission for (n,a)



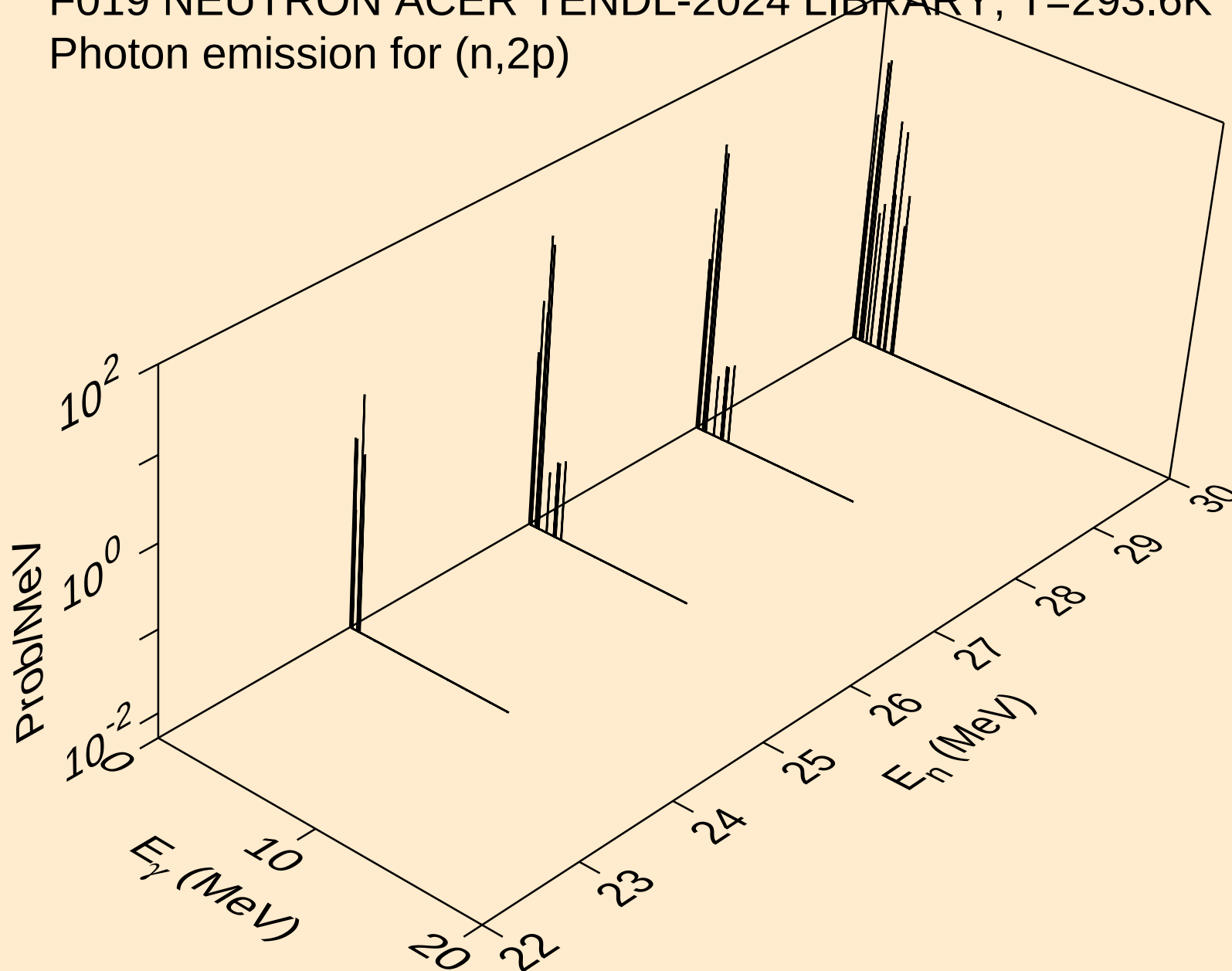
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2a)



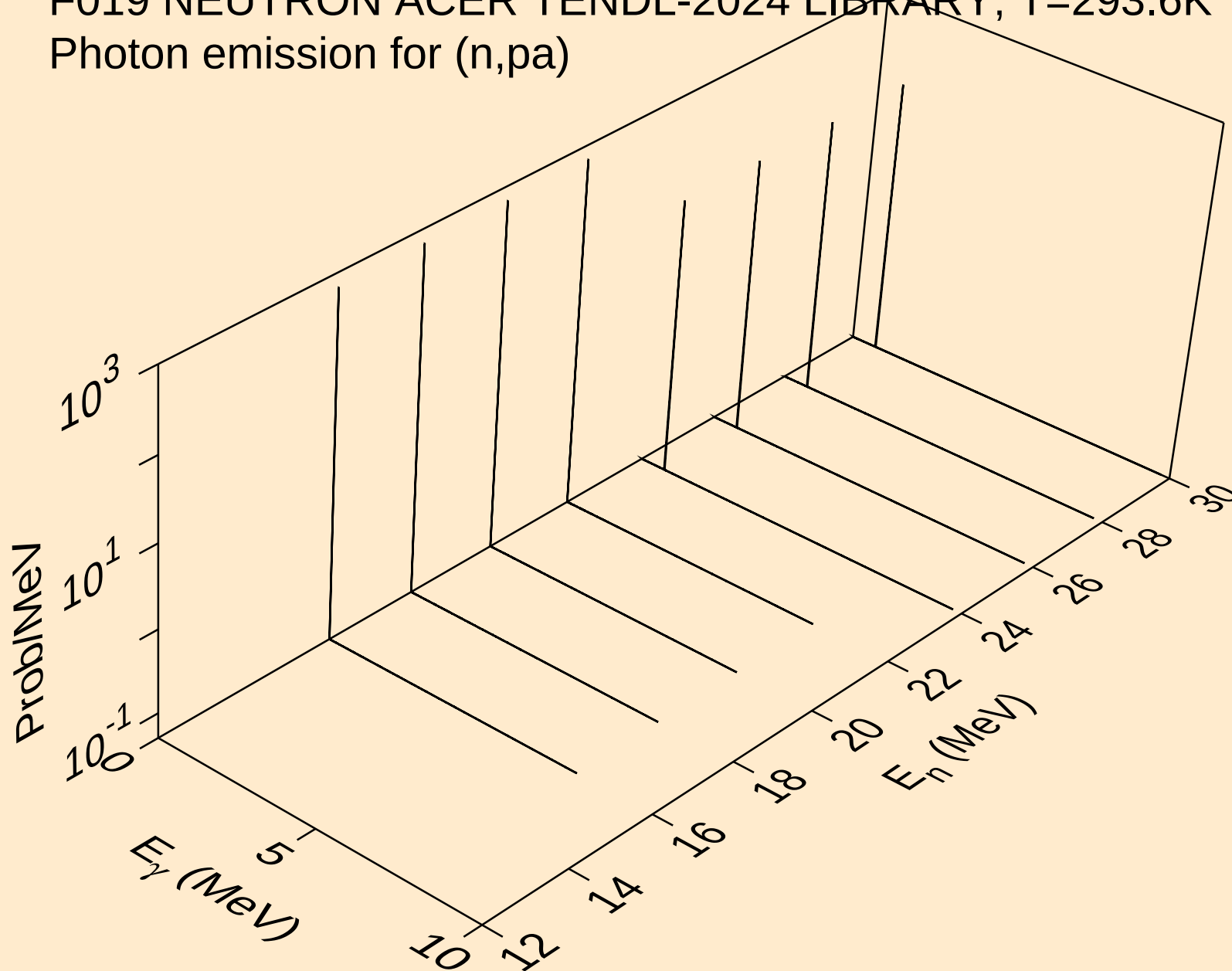
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3a)



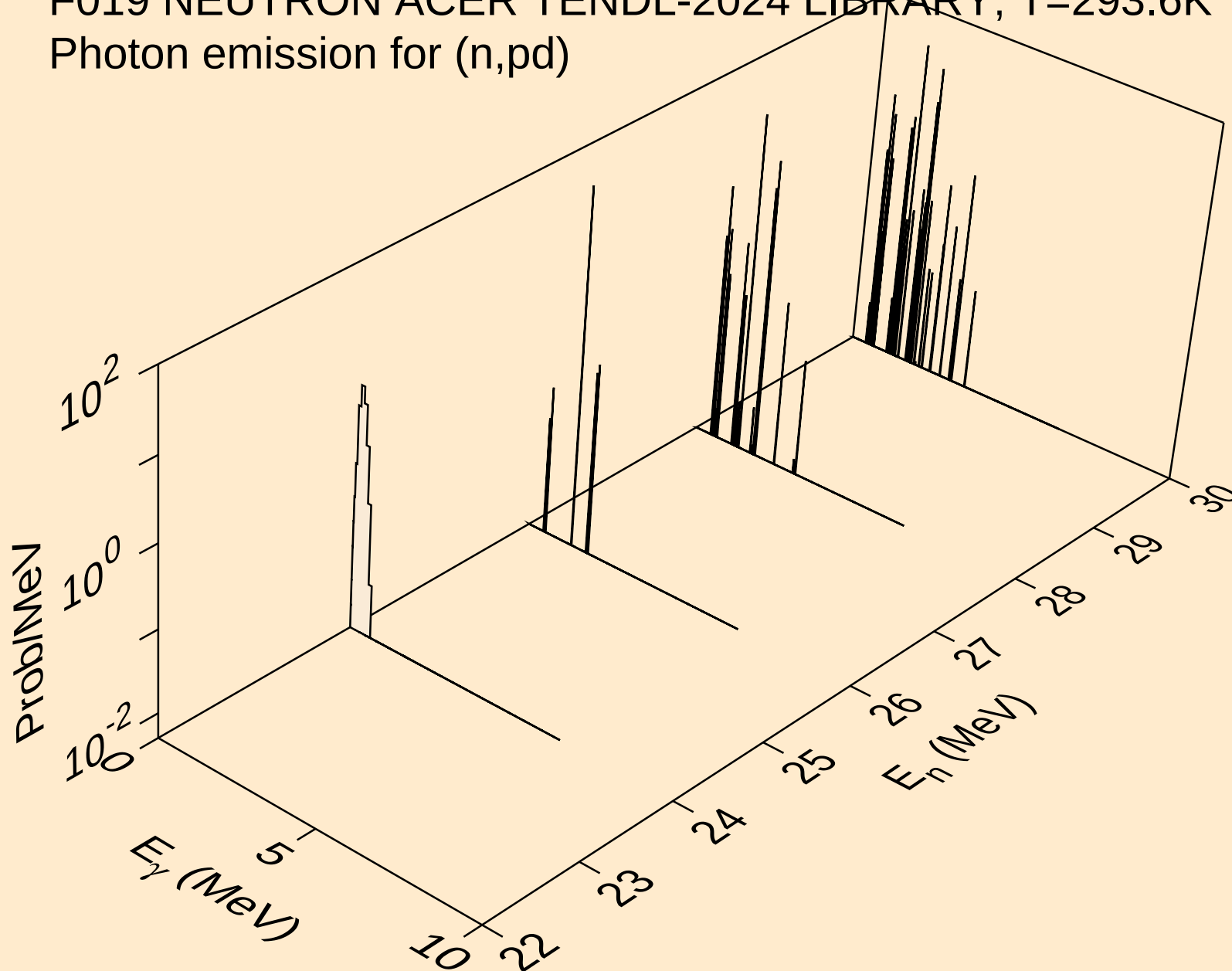
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Photon emission for (n,2p)



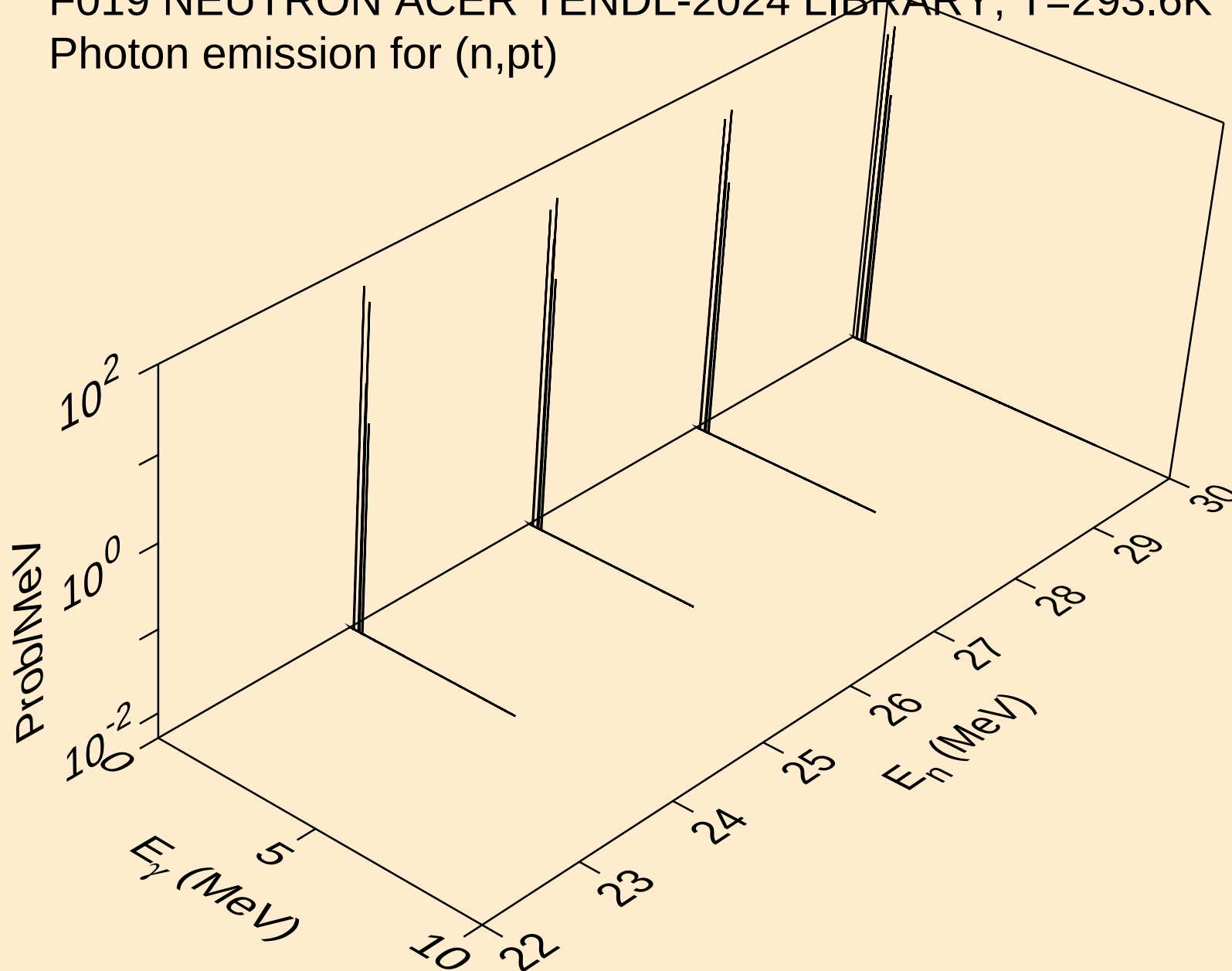
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Photon emission for (n,p α)



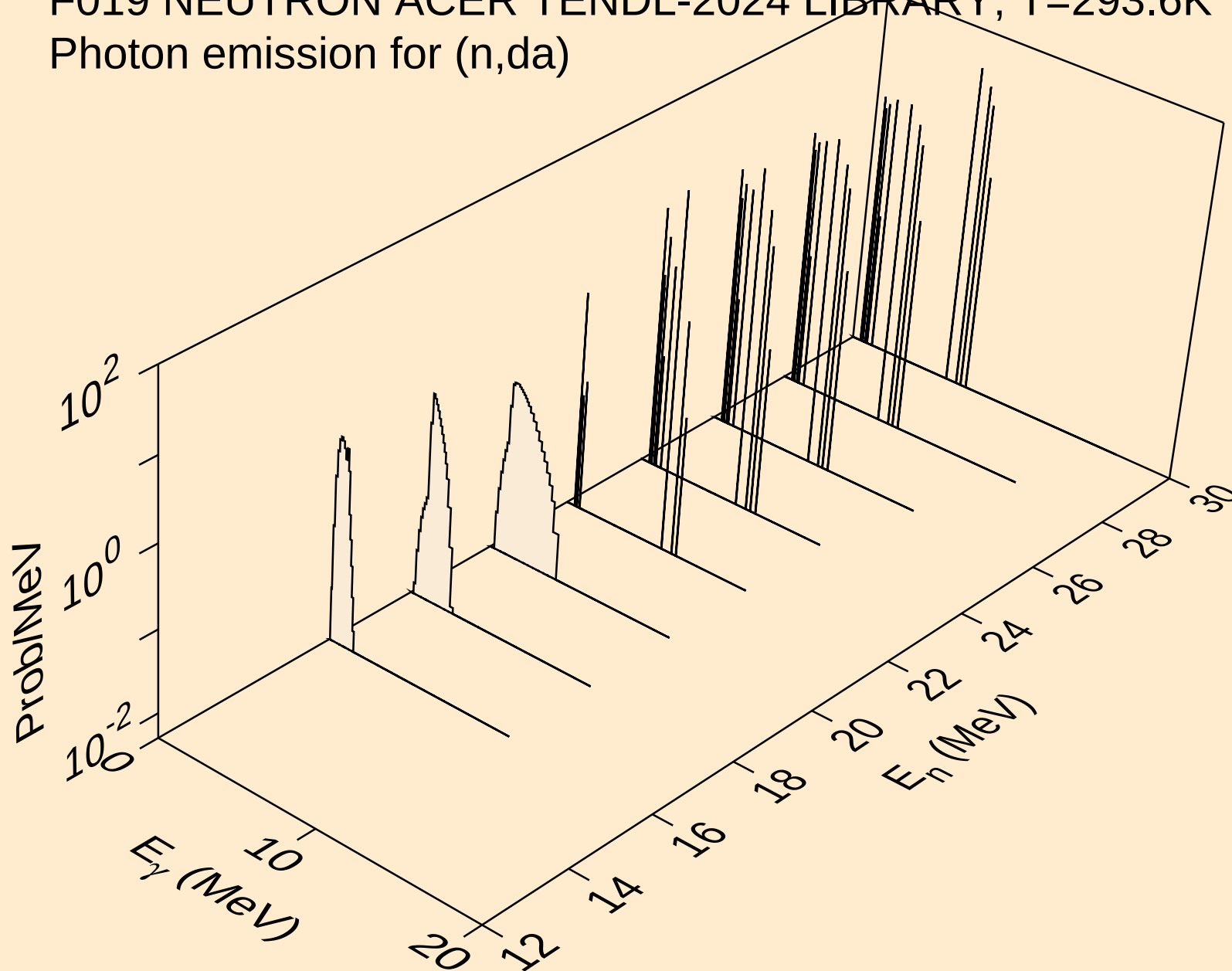
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pd)



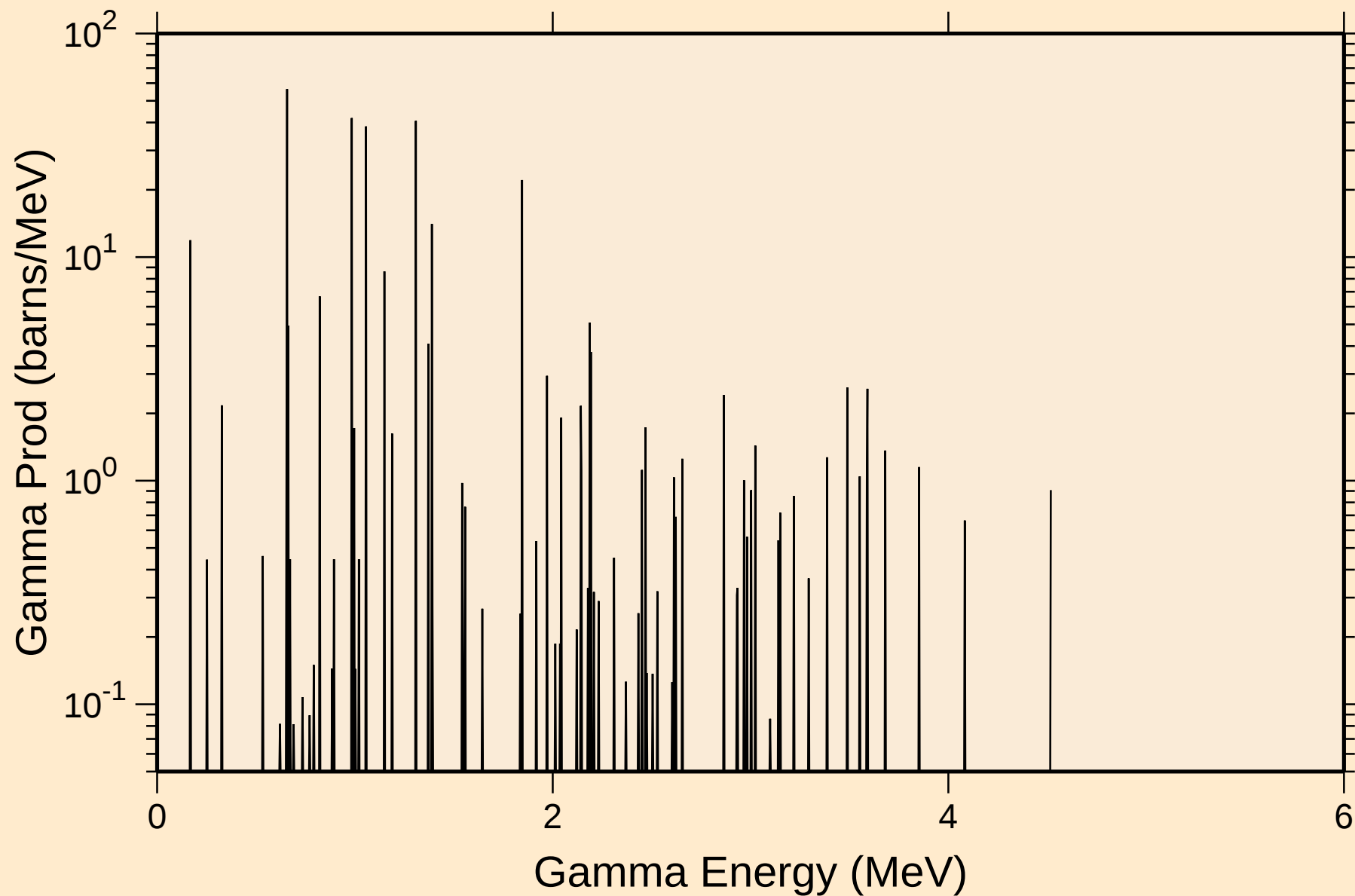
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pt)



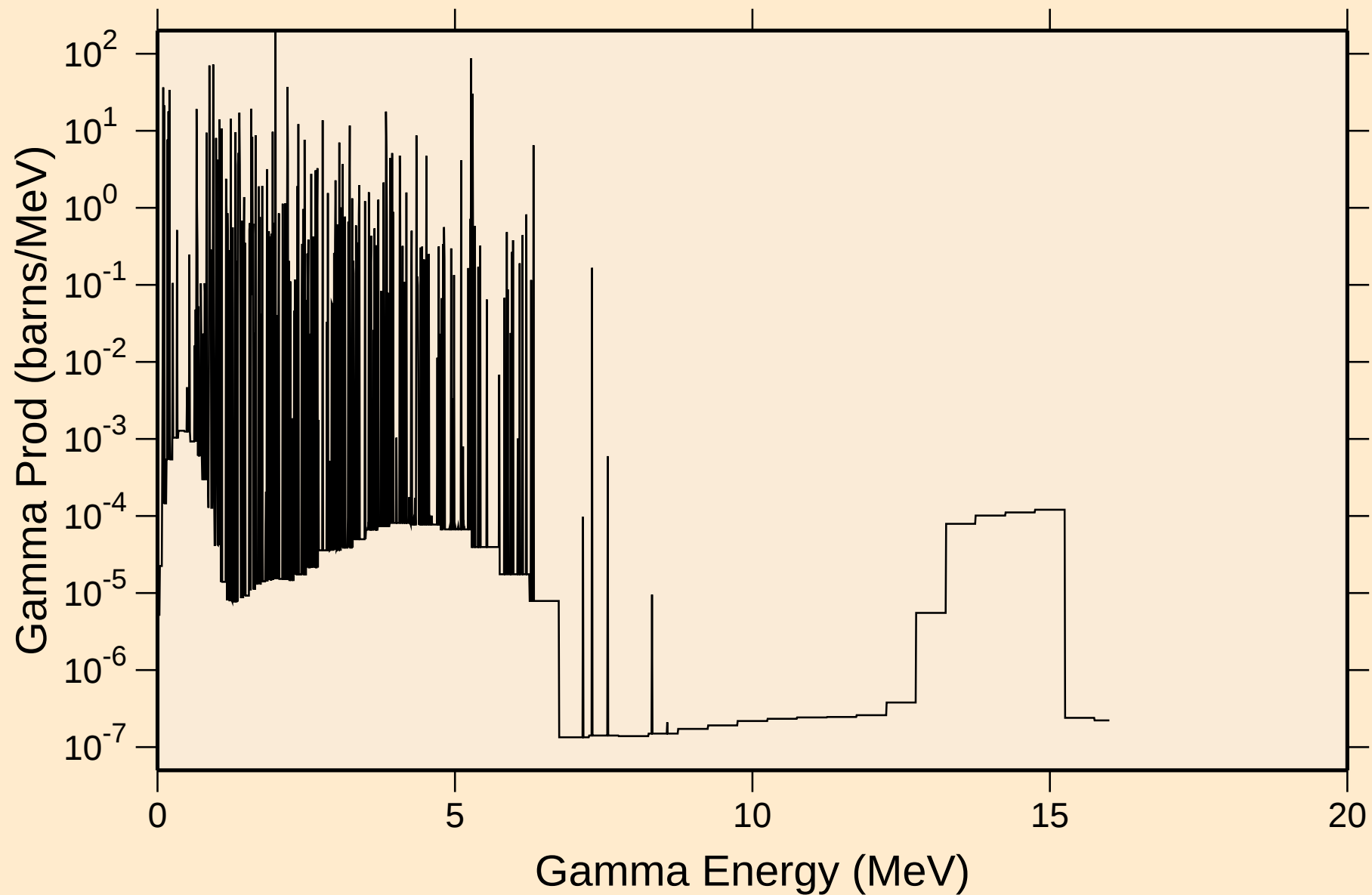
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,da)



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum

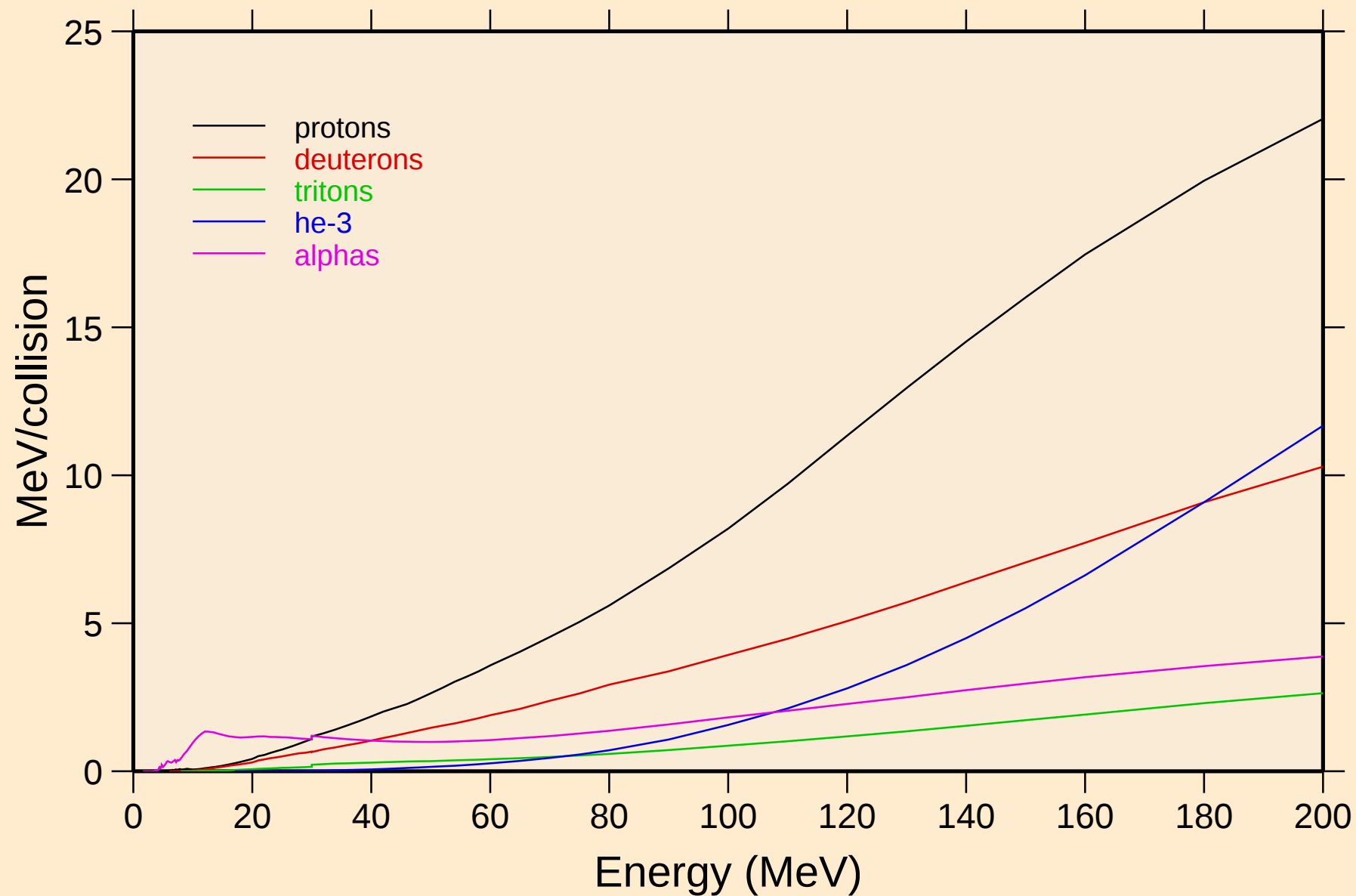


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum

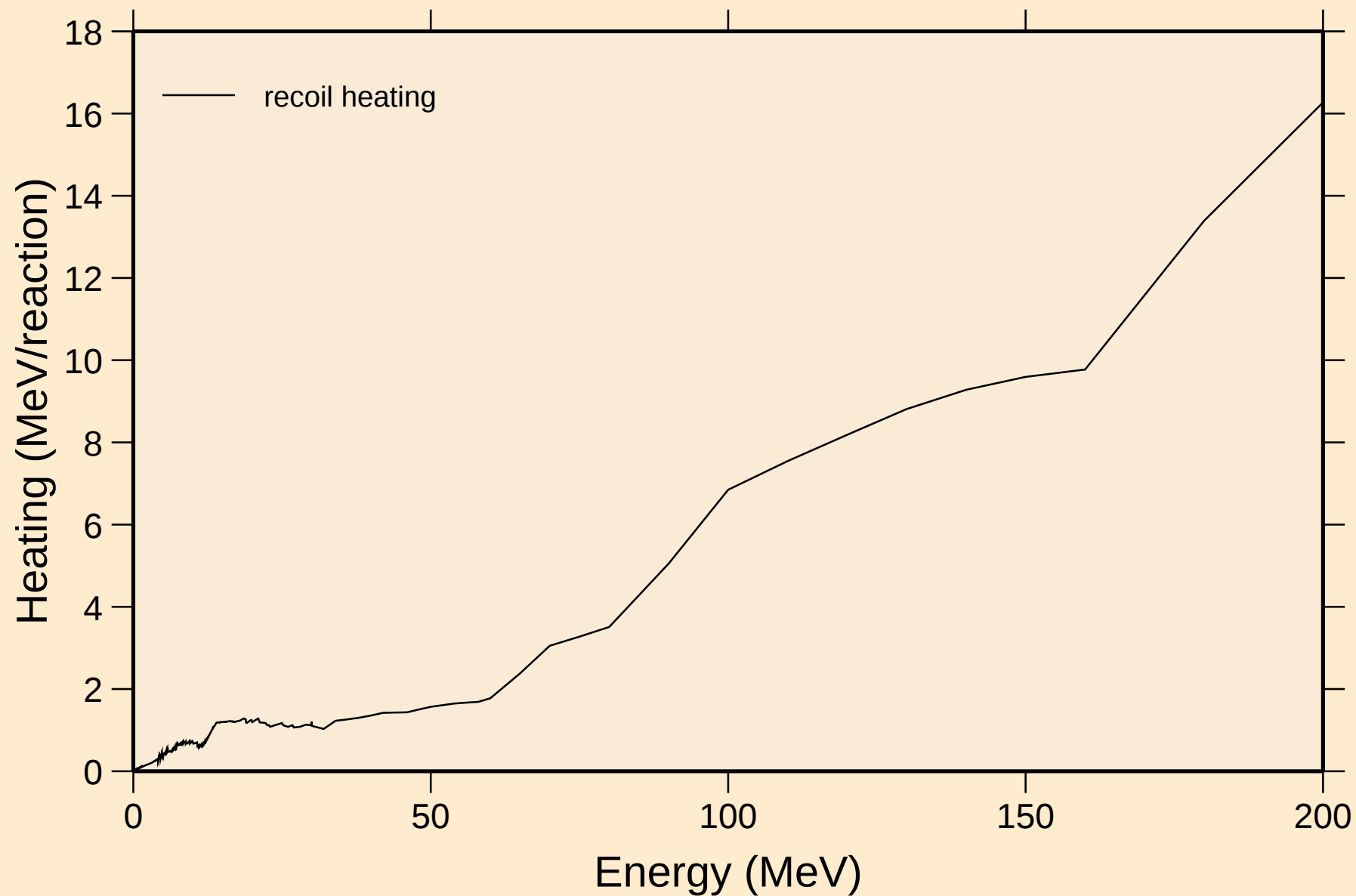


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Particle heating contributions

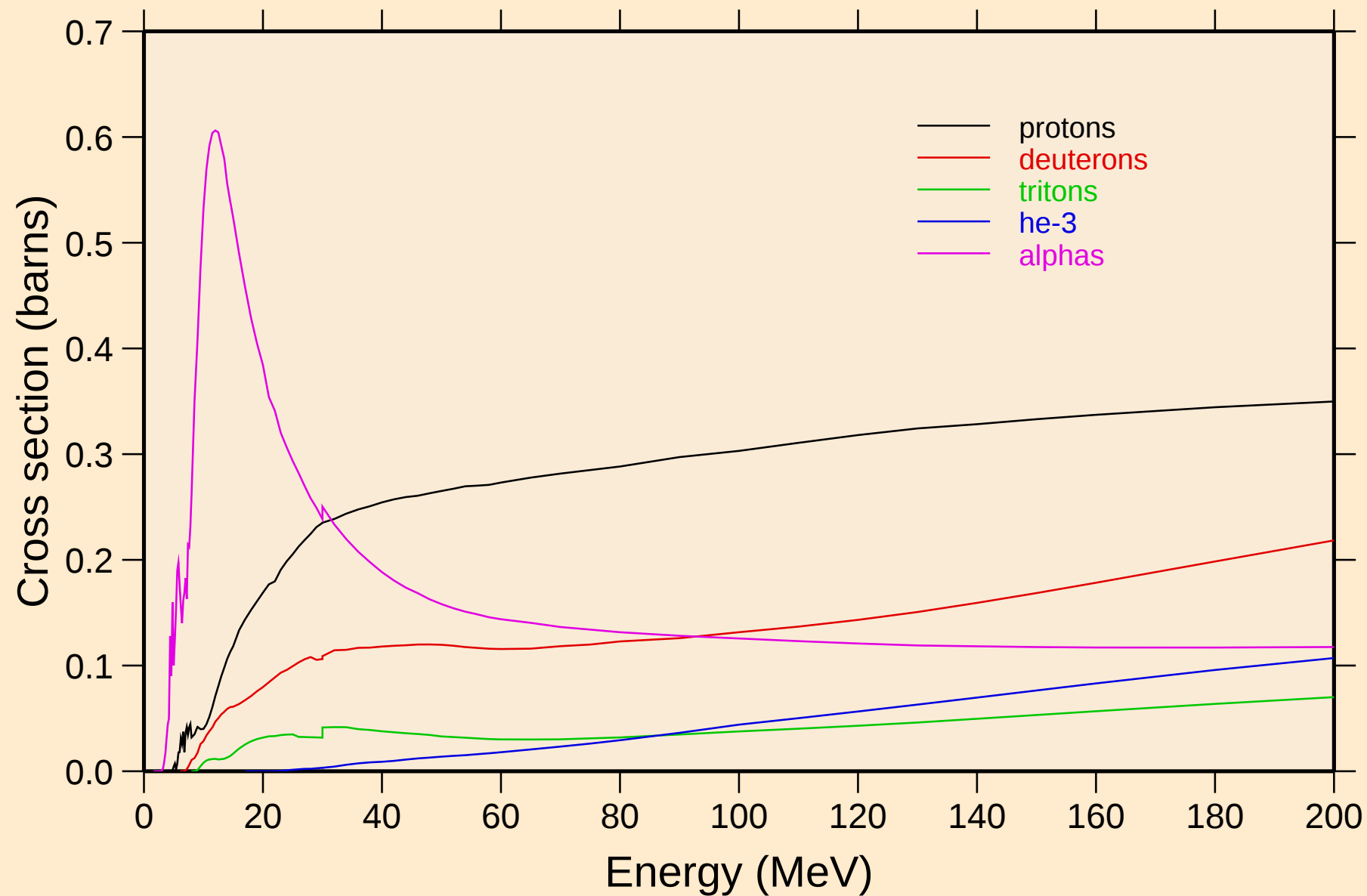


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Recoil Heating

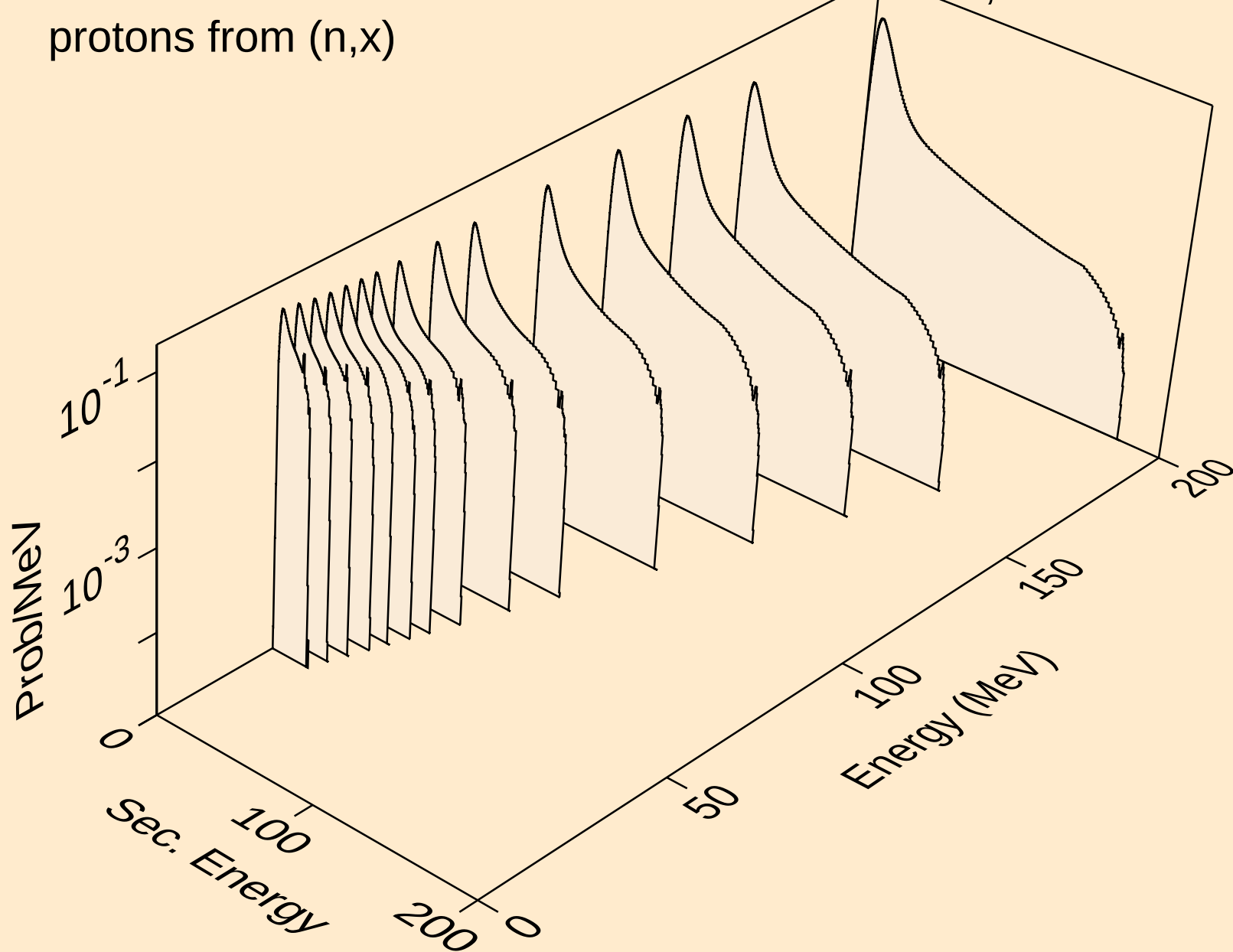


F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

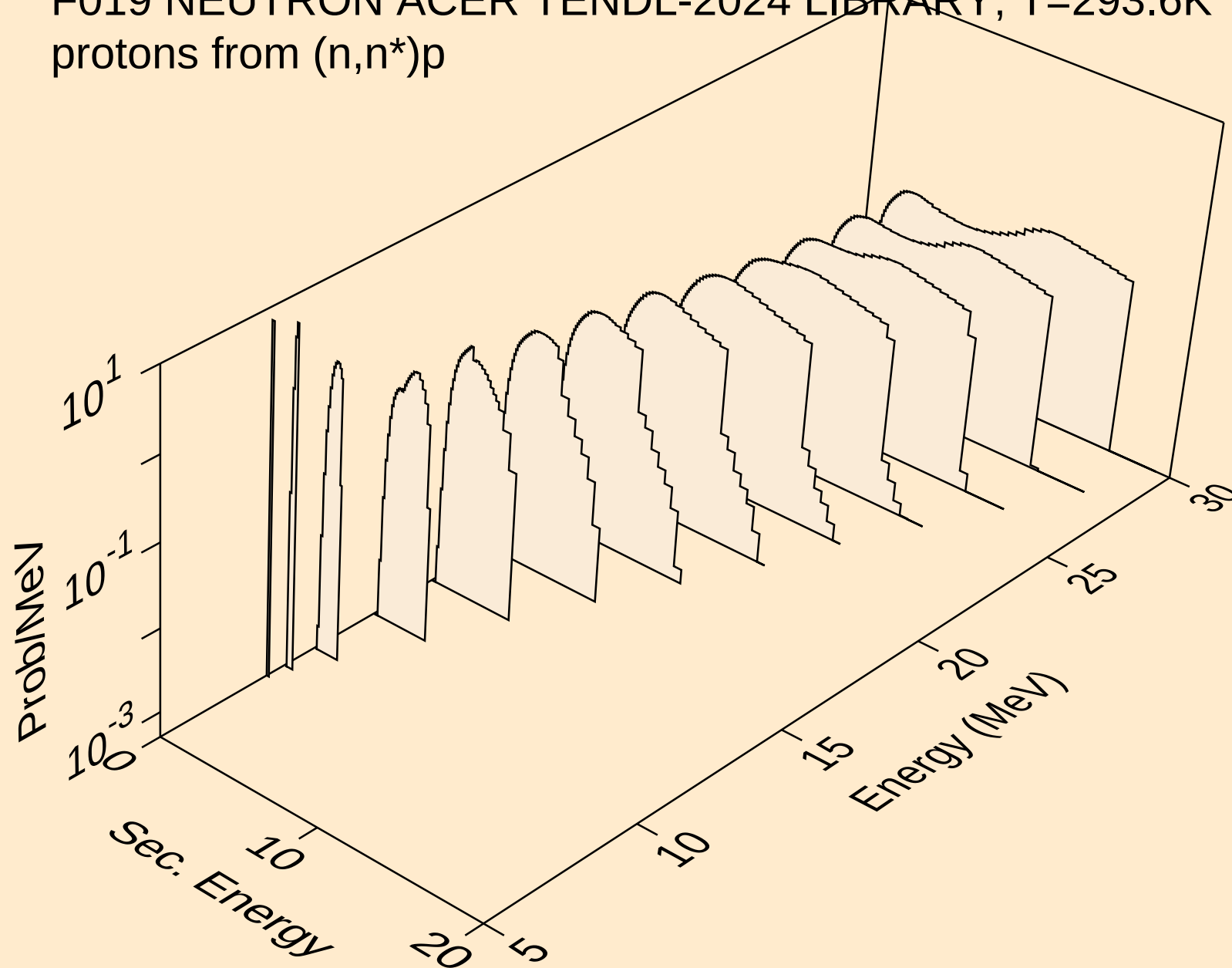
Particle production cross sections



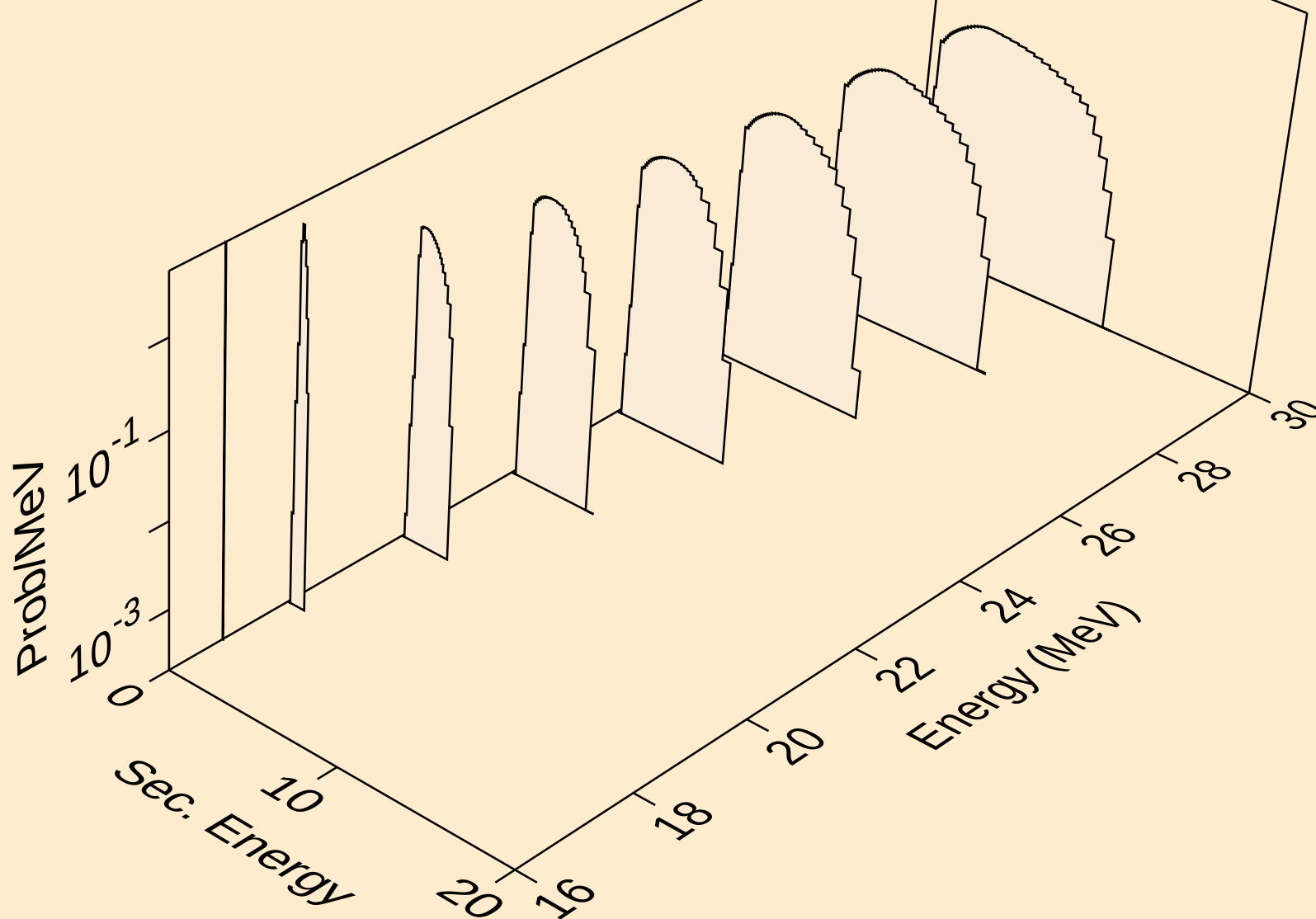
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)



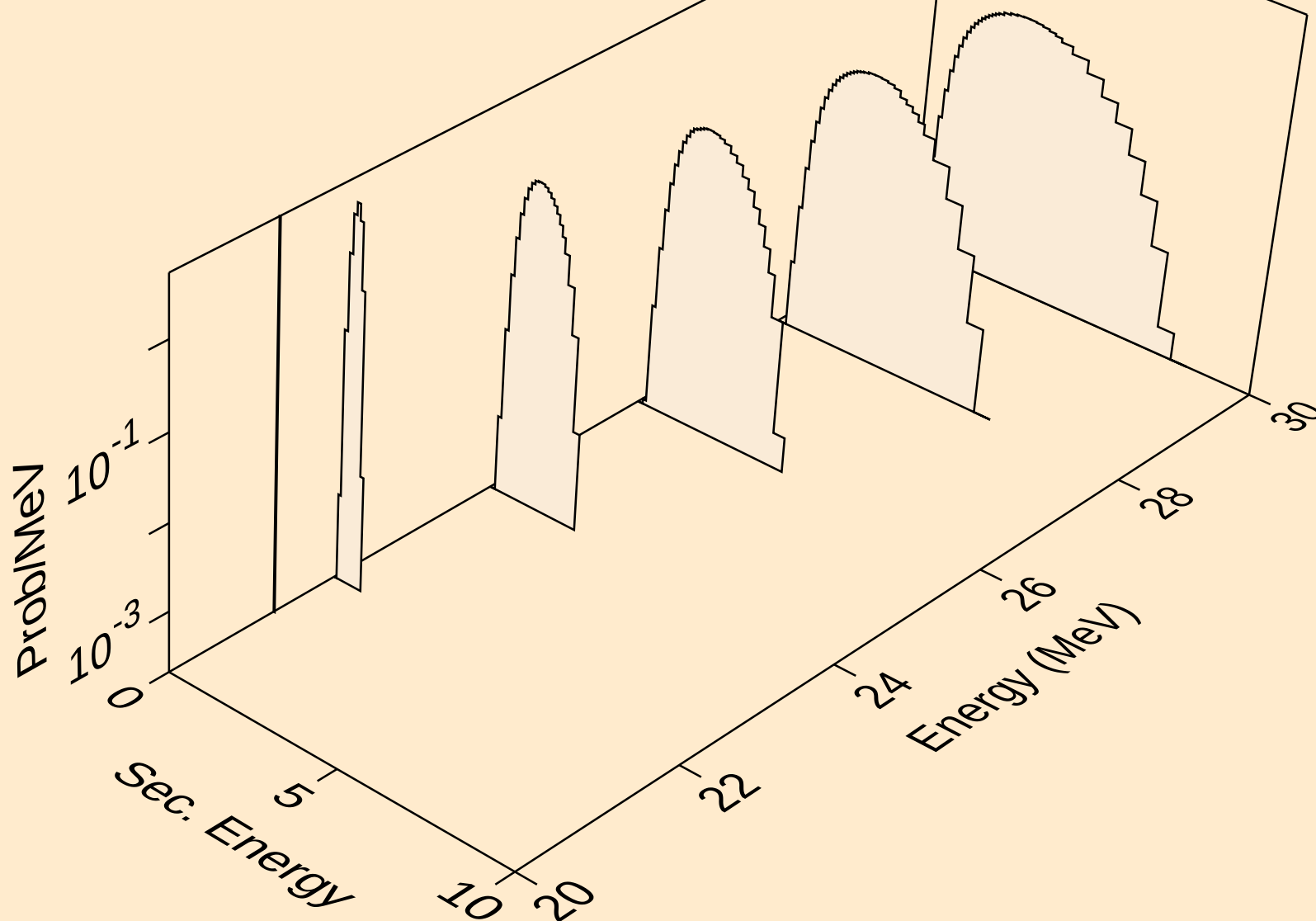
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p



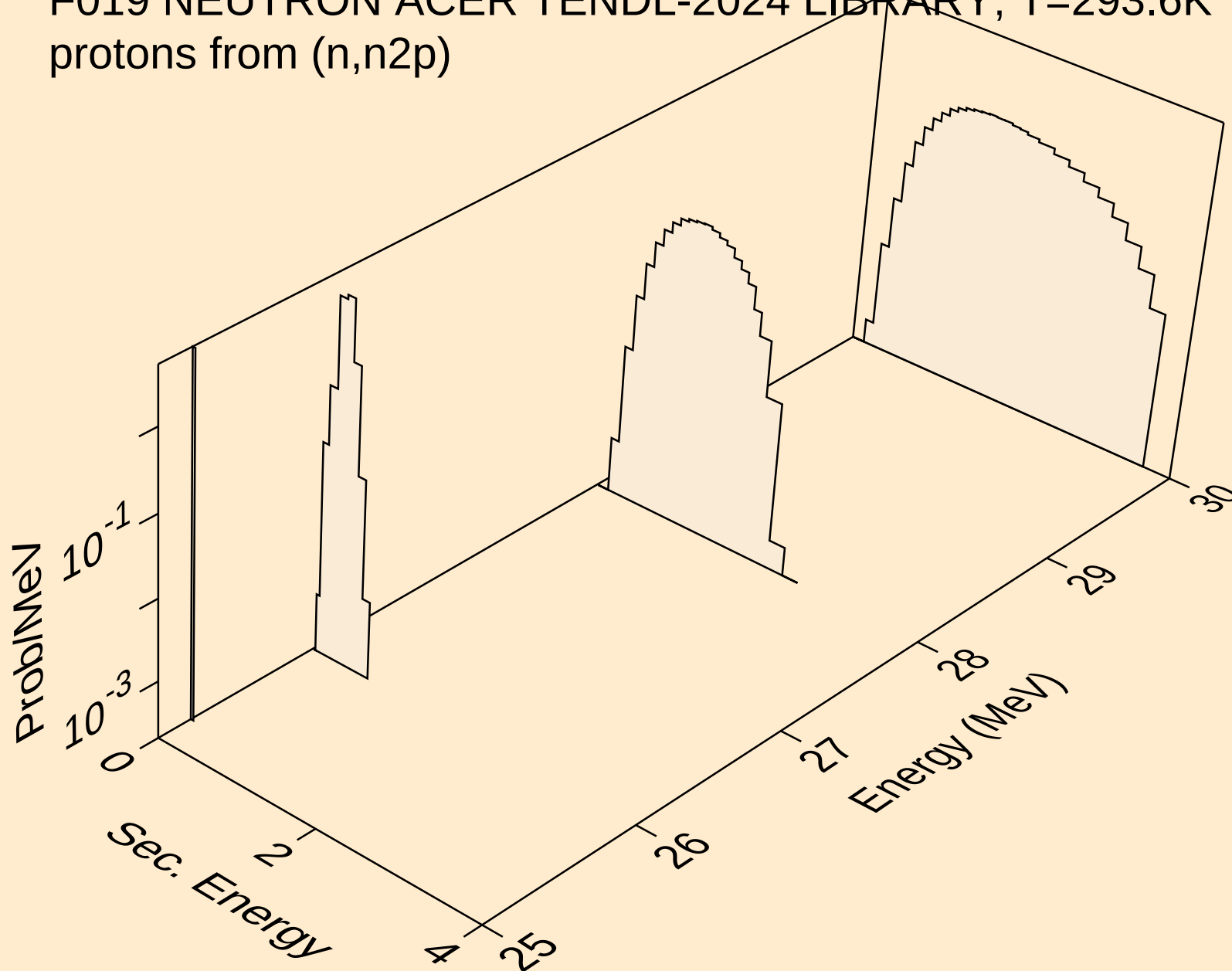
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protons from (n,2np)



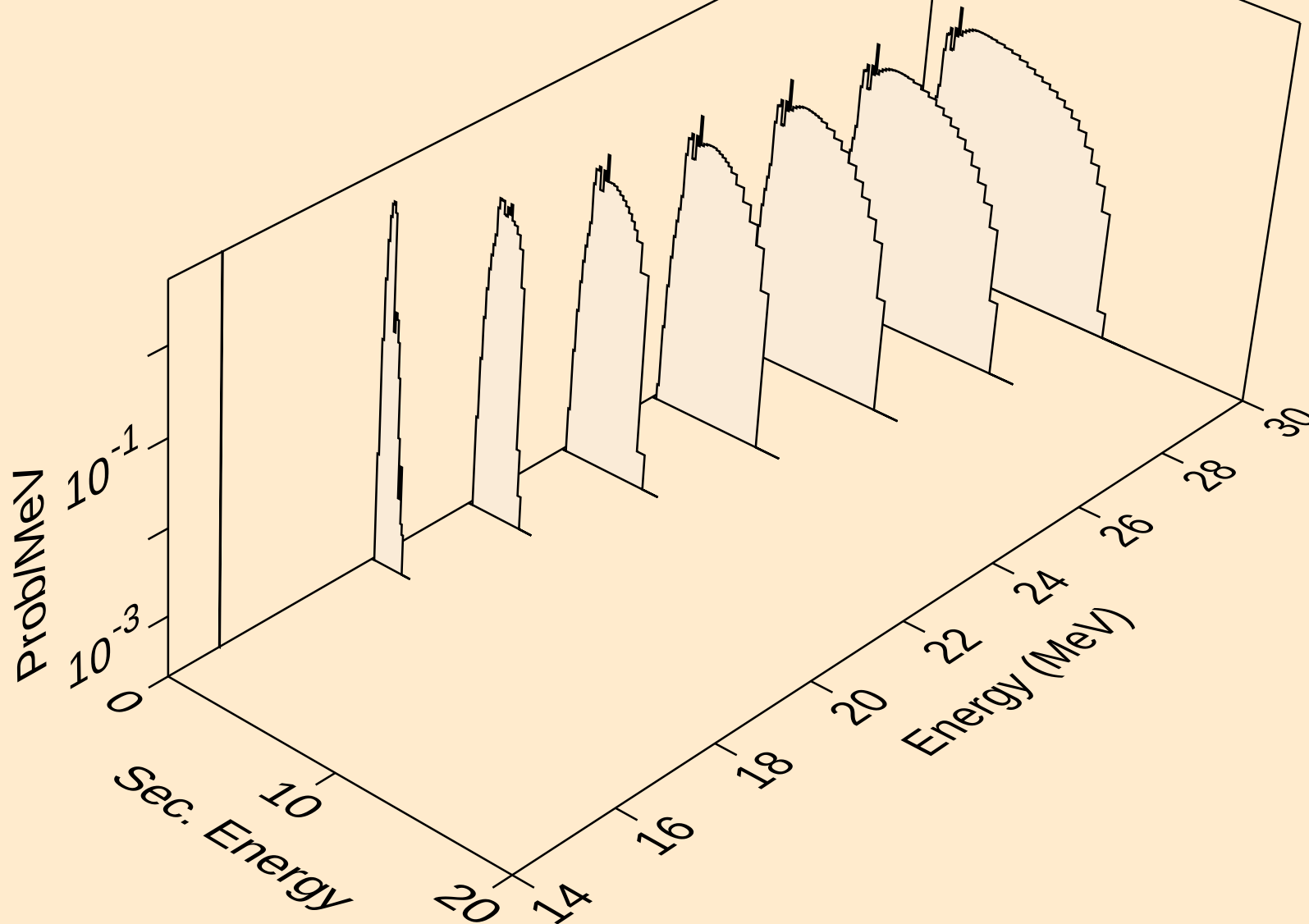
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protons from (n,3np)



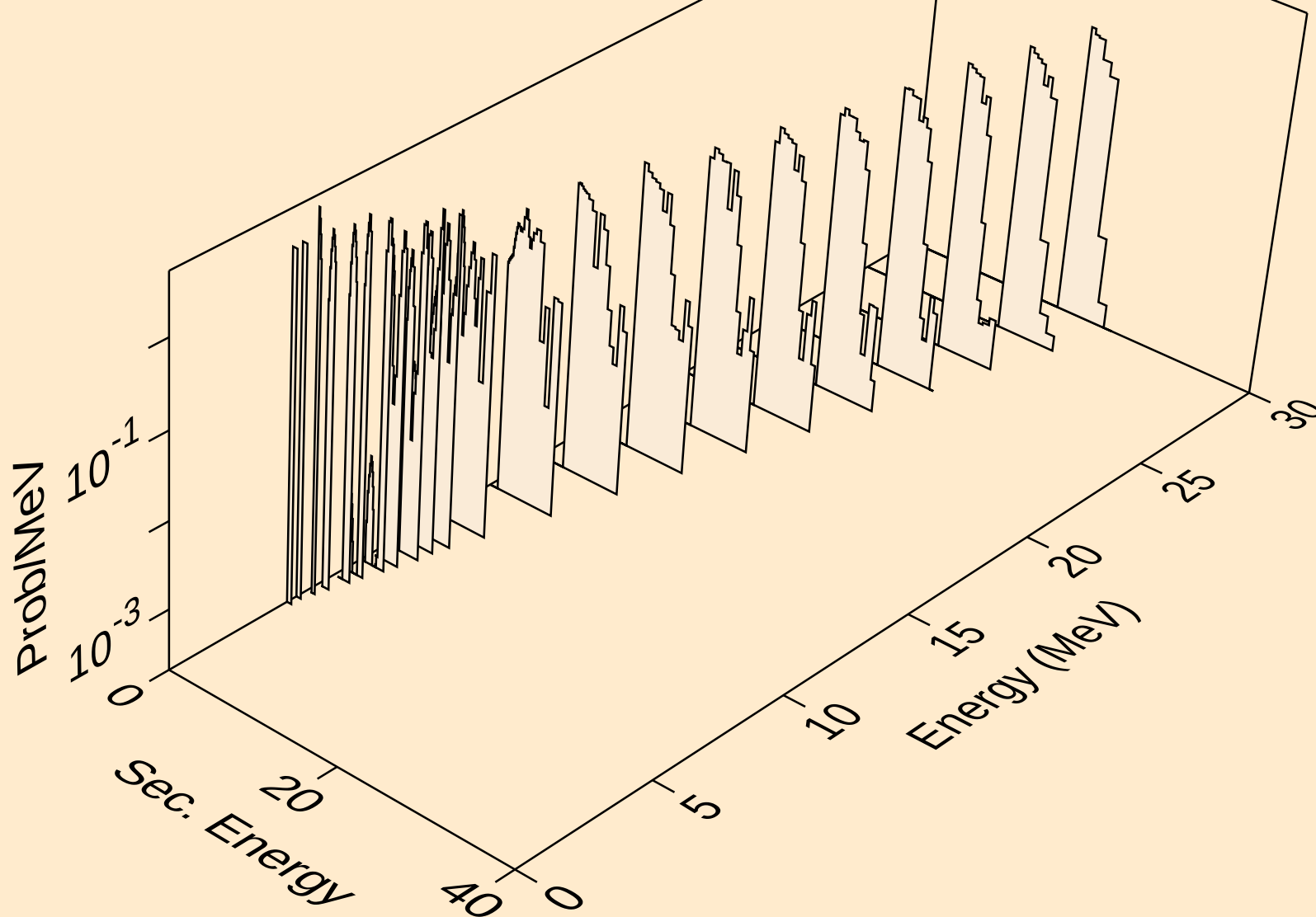
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protons from (n,n2p)



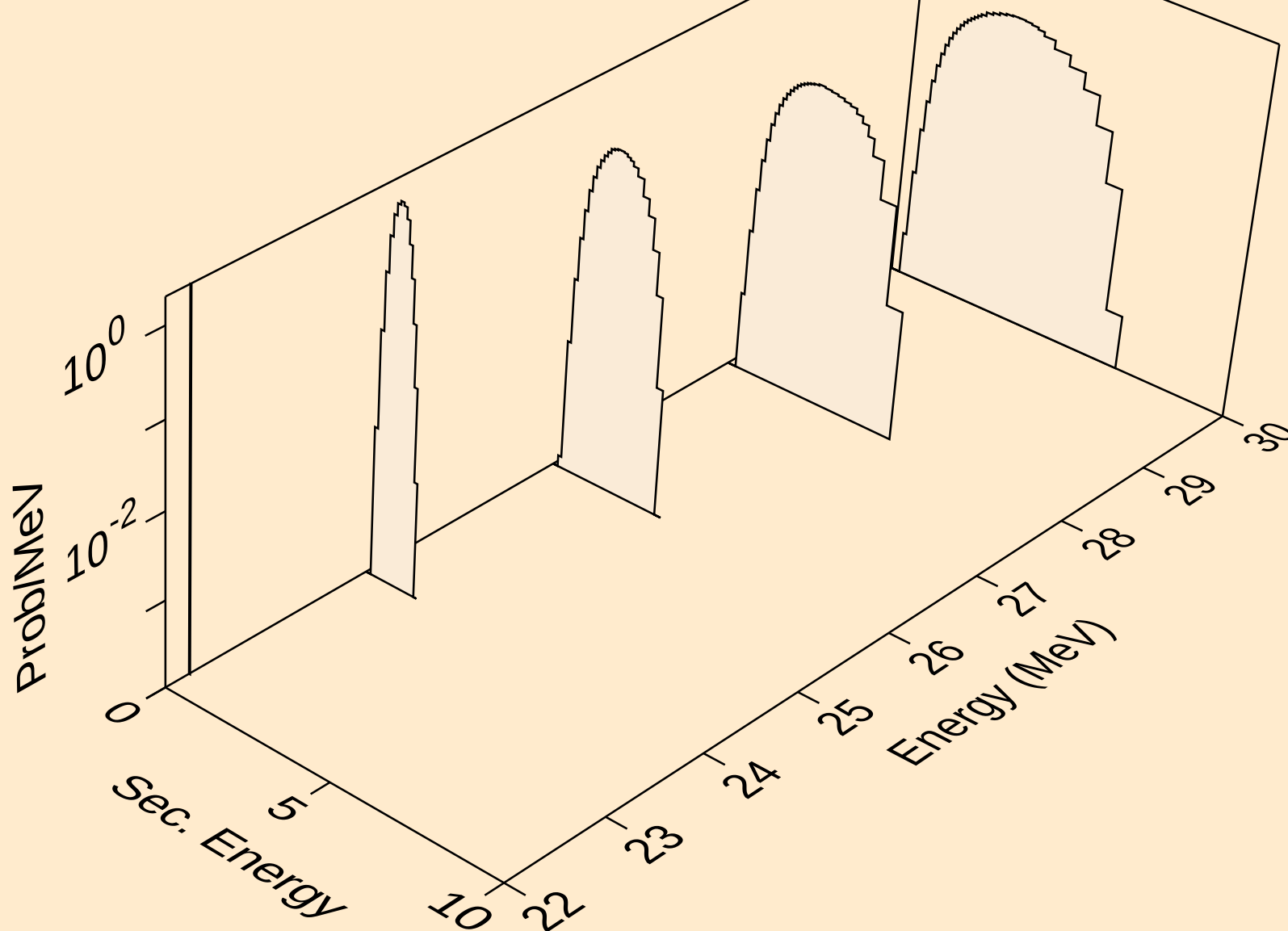
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protons from (n,npa)



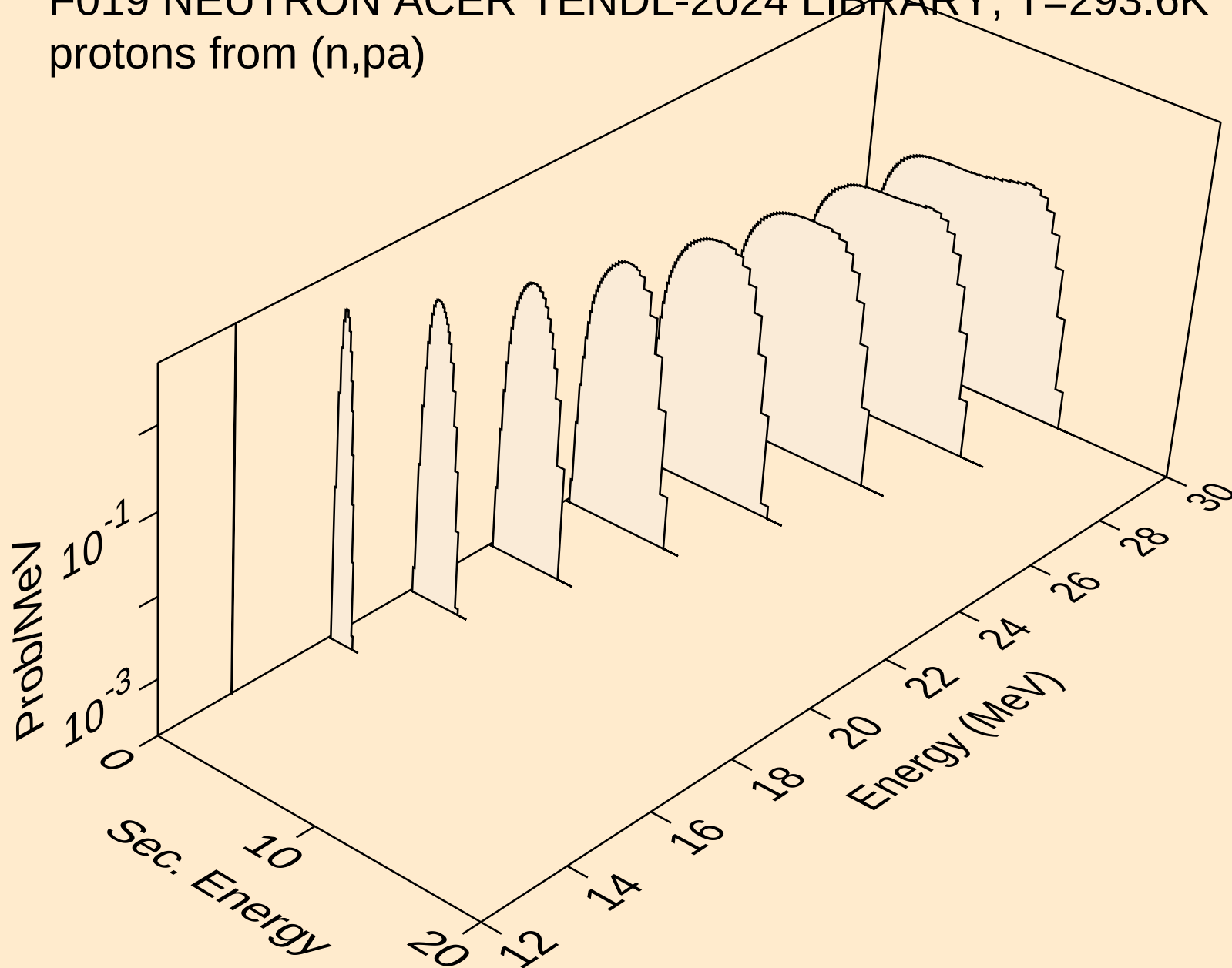
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protons from (n,p)



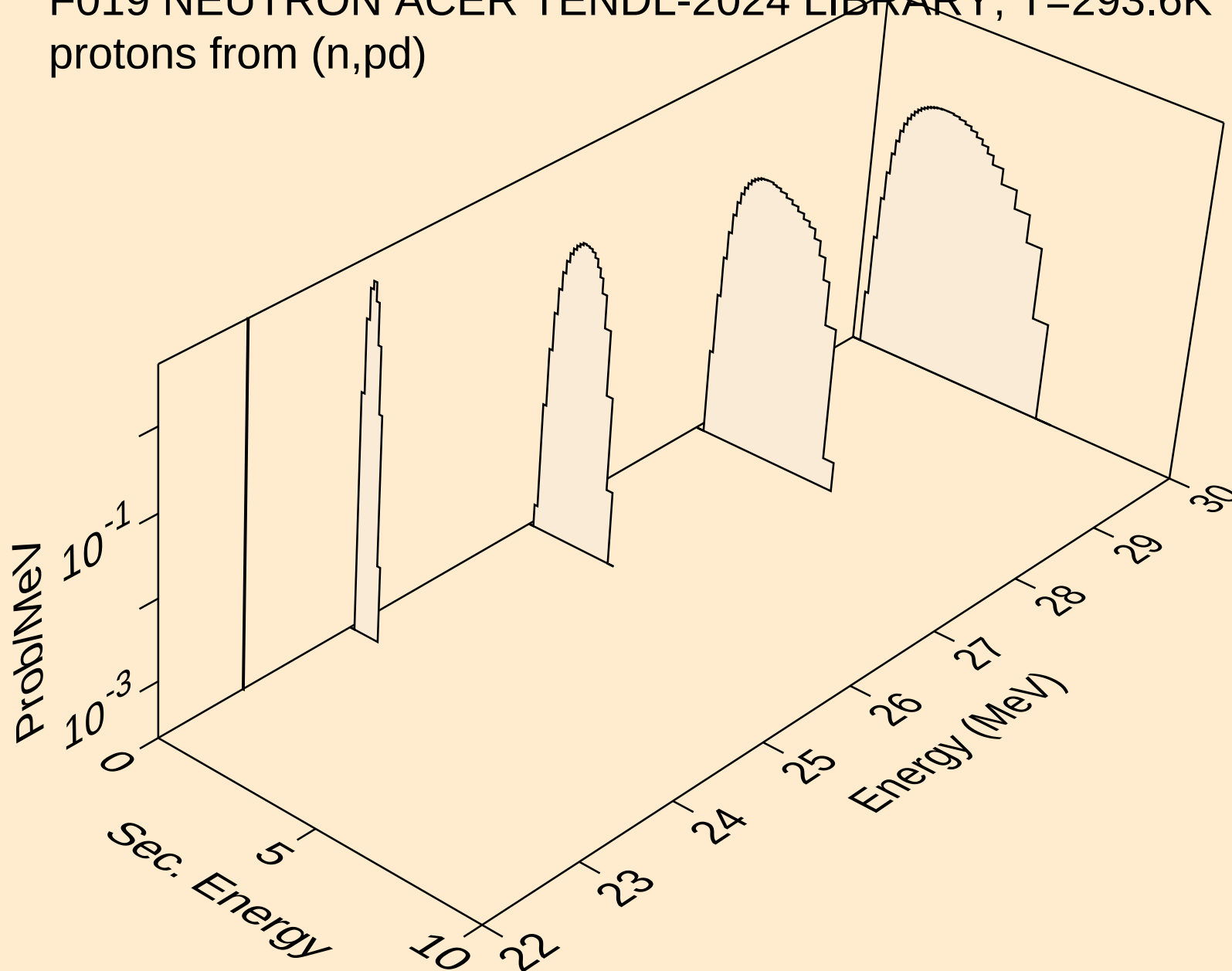
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protons from (n,2p)



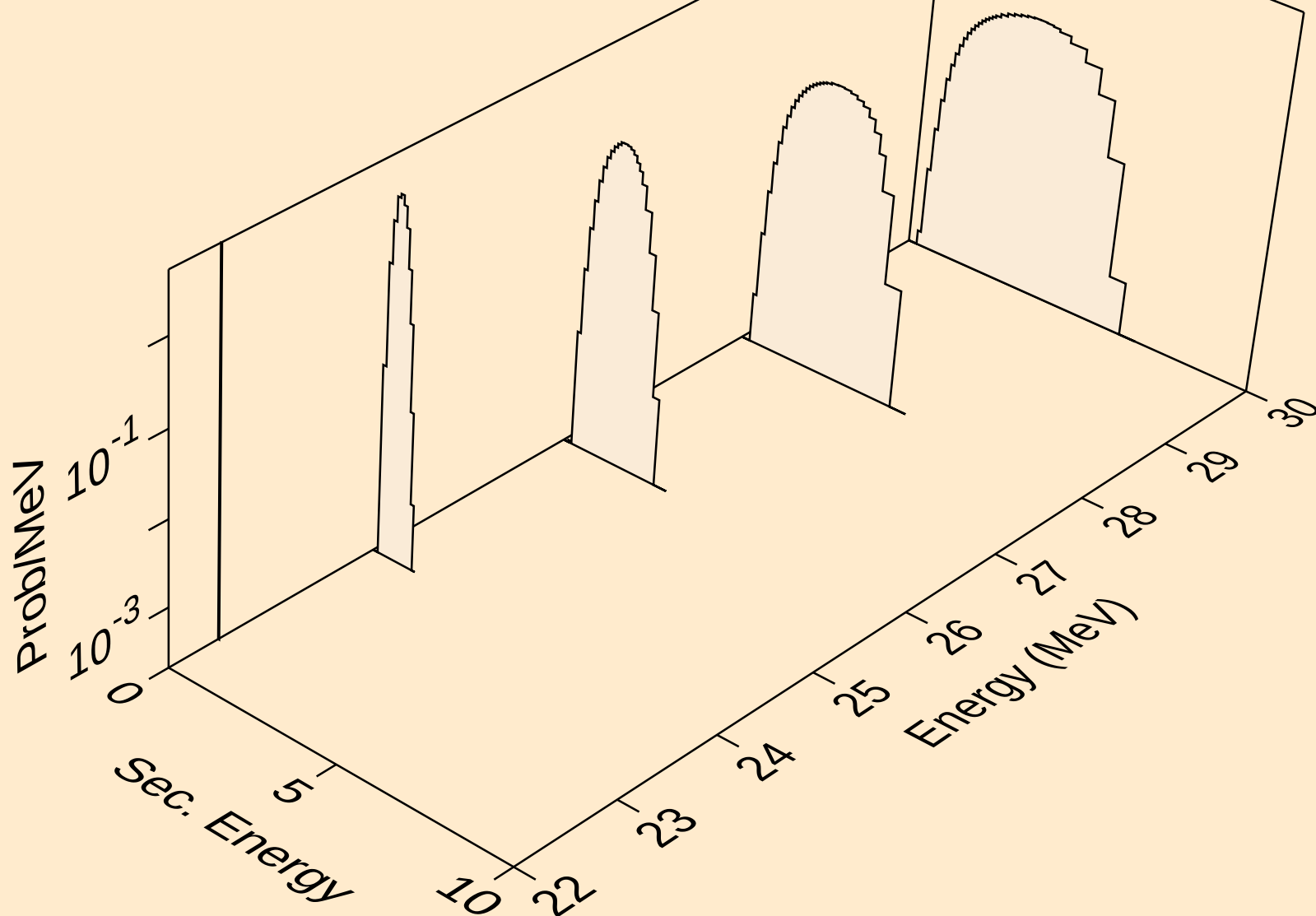
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protons from (n,p)



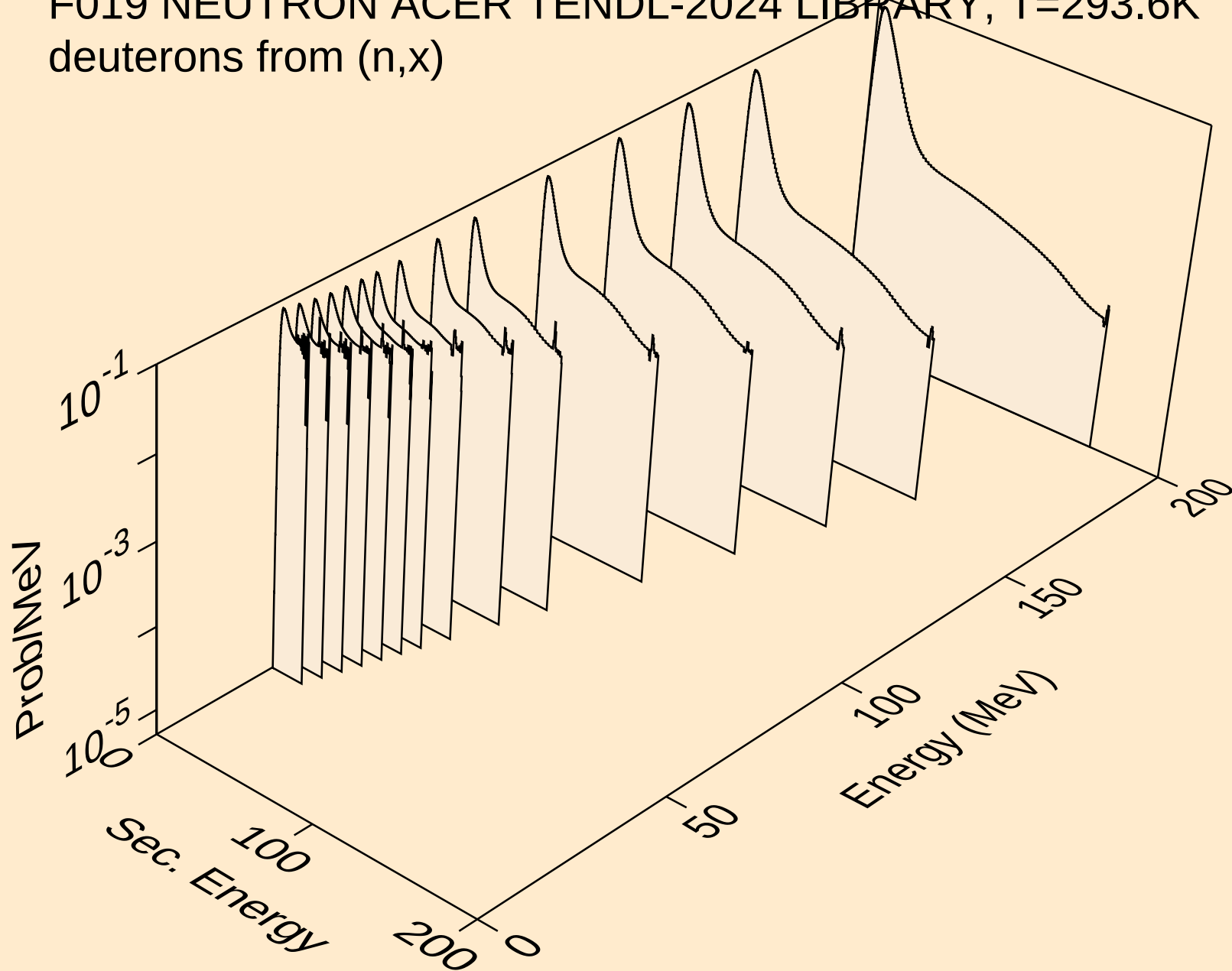
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protons from (n,pd)



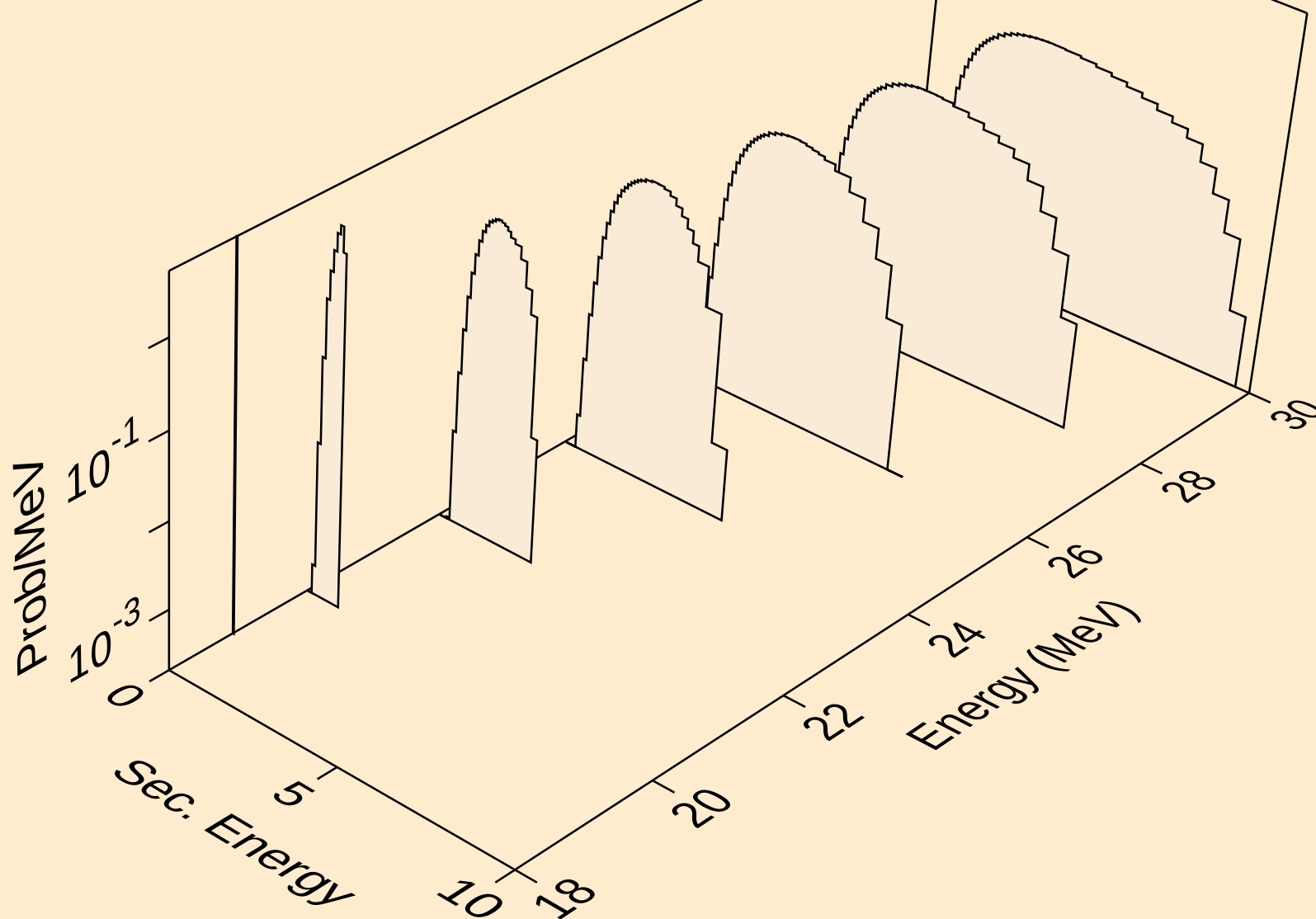
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protons from (n,pt)



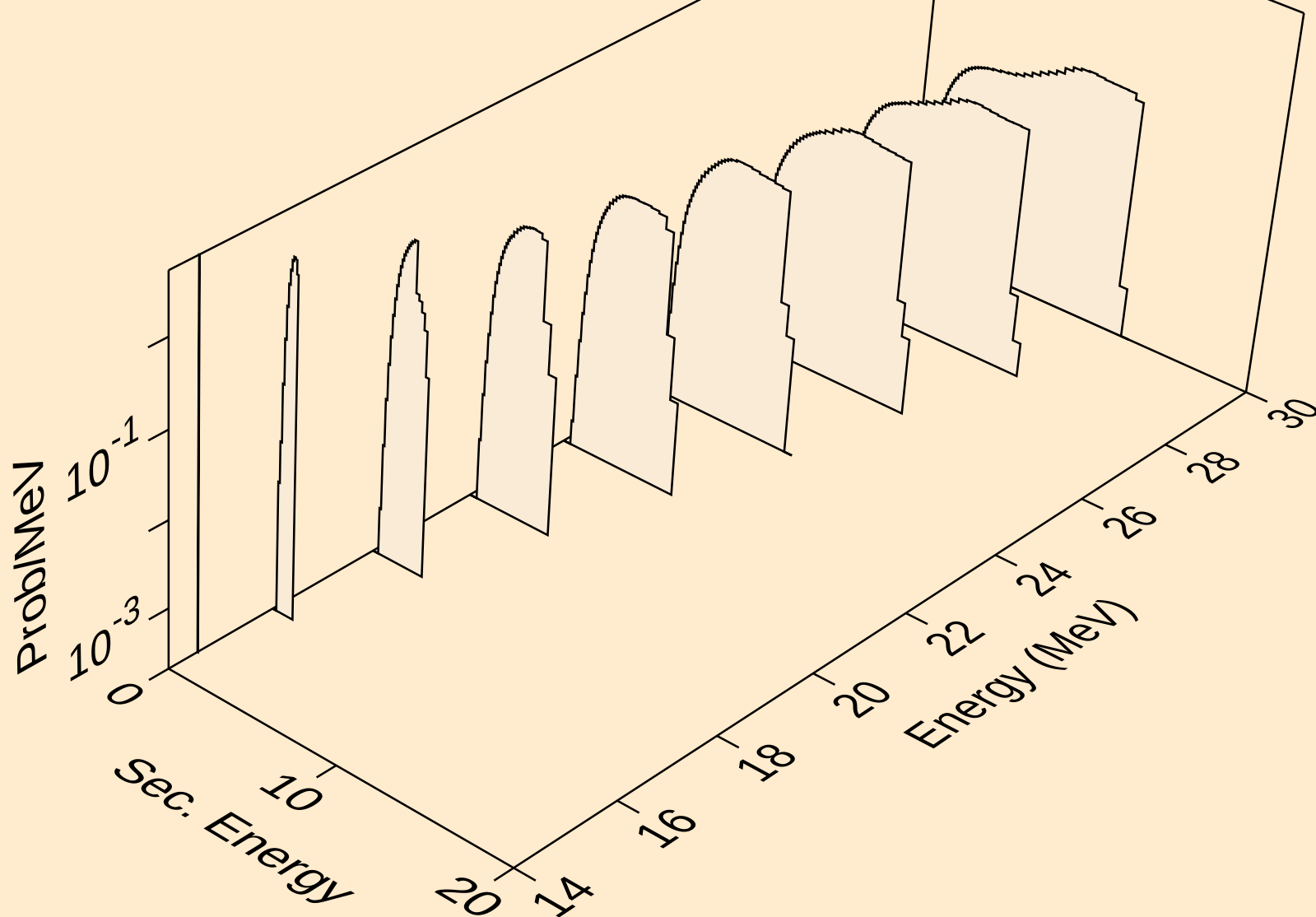
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deuterons from (n,x)



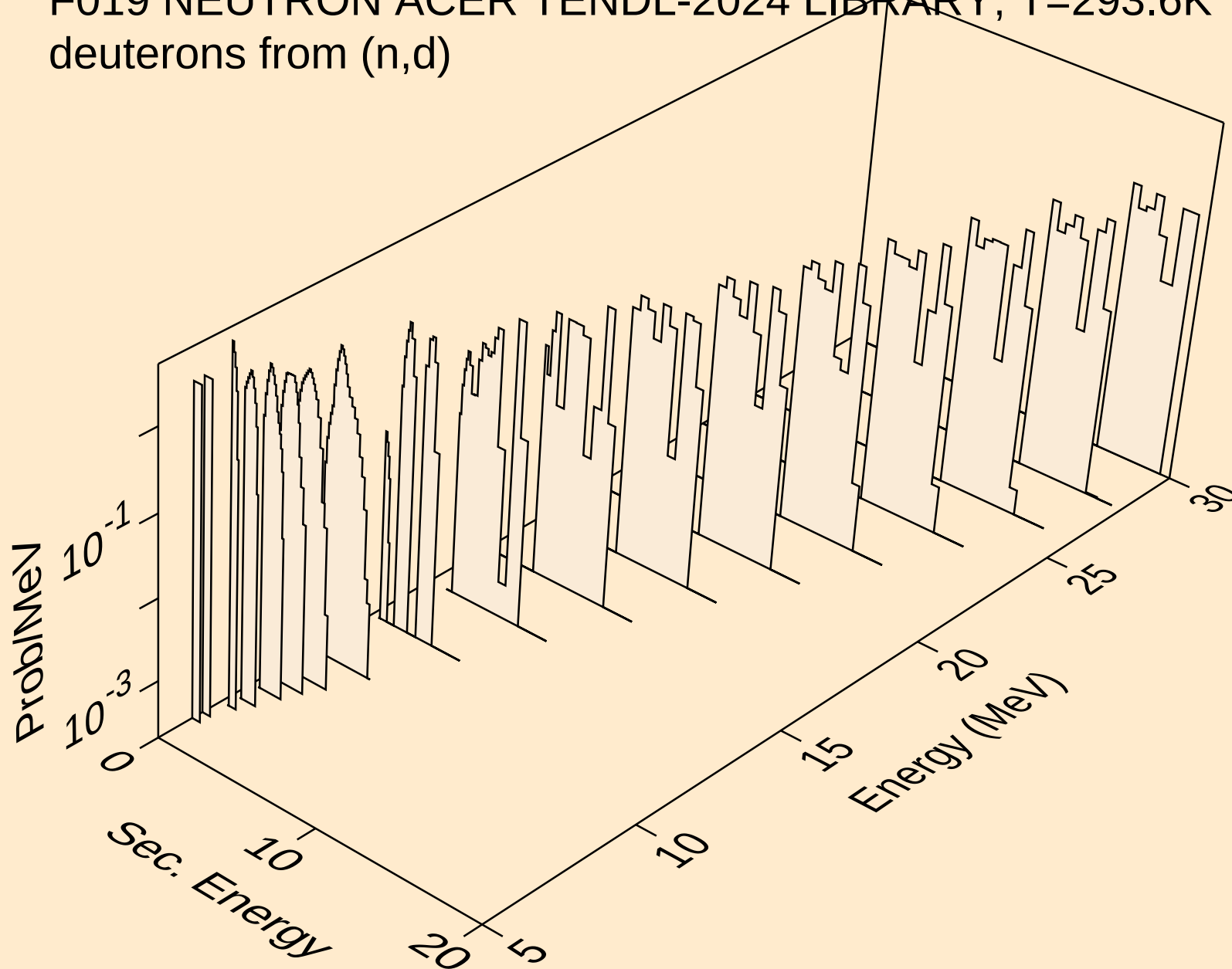
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deuterons from (n,2nd)



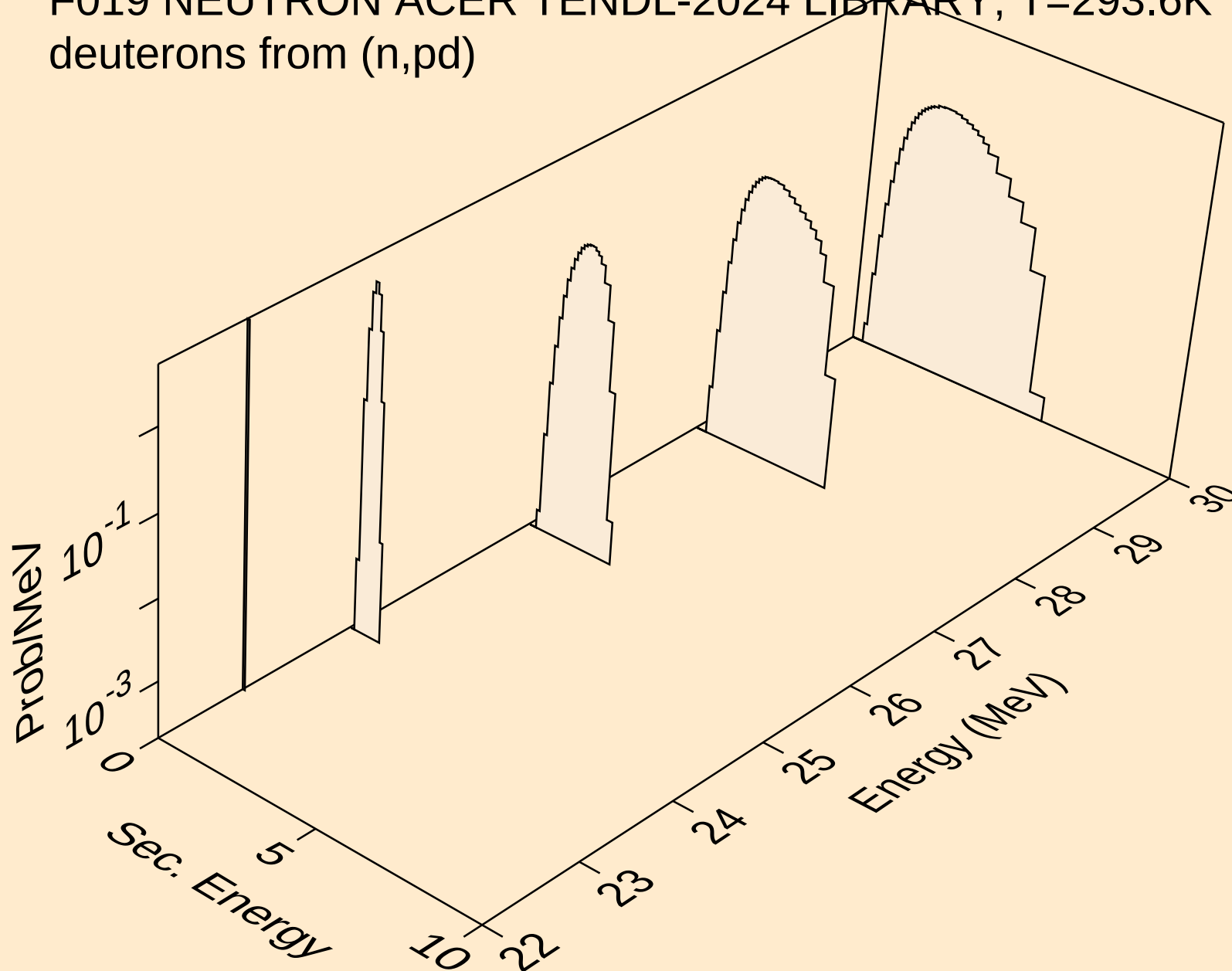
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d



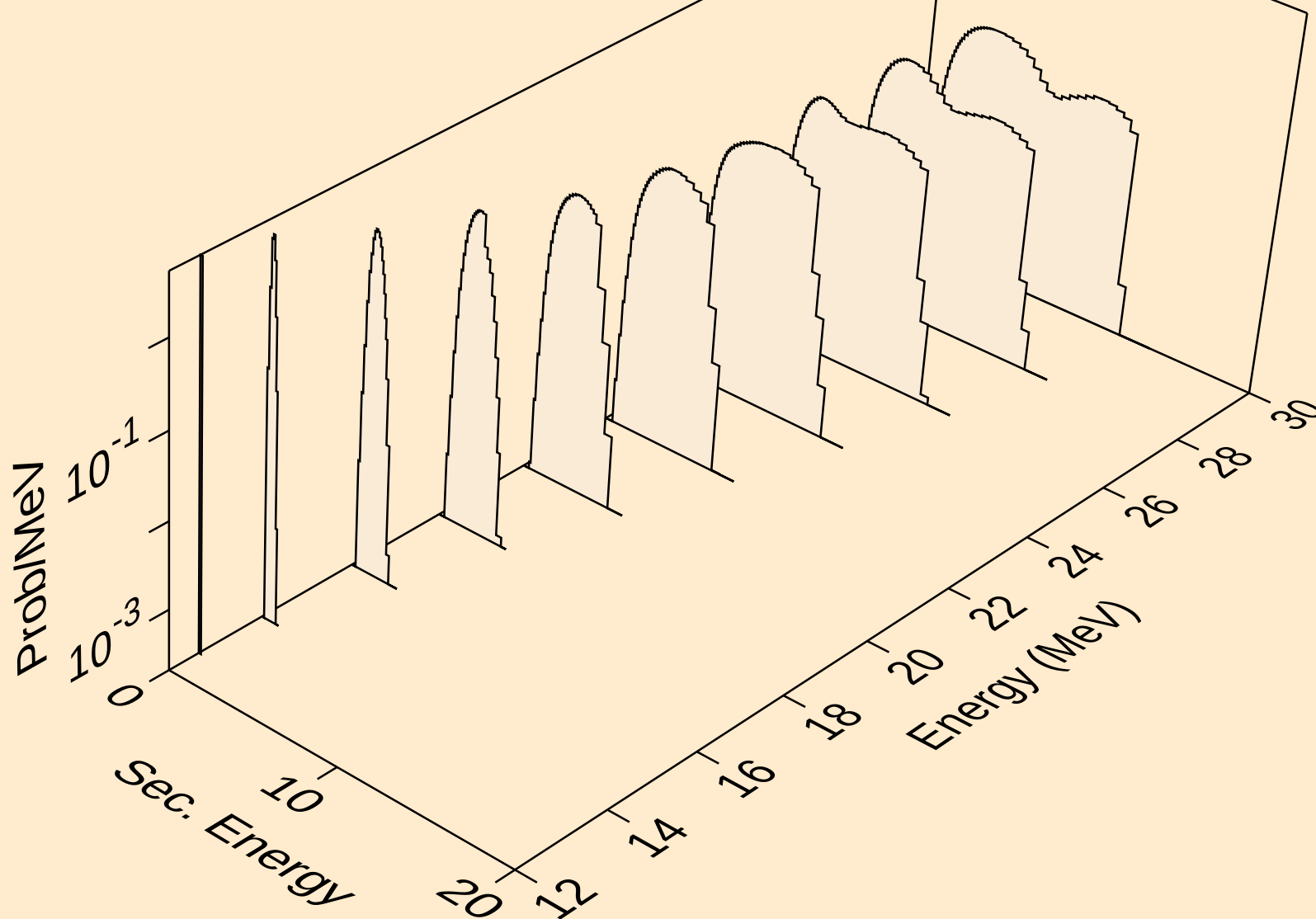
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deuterons from (n,d)



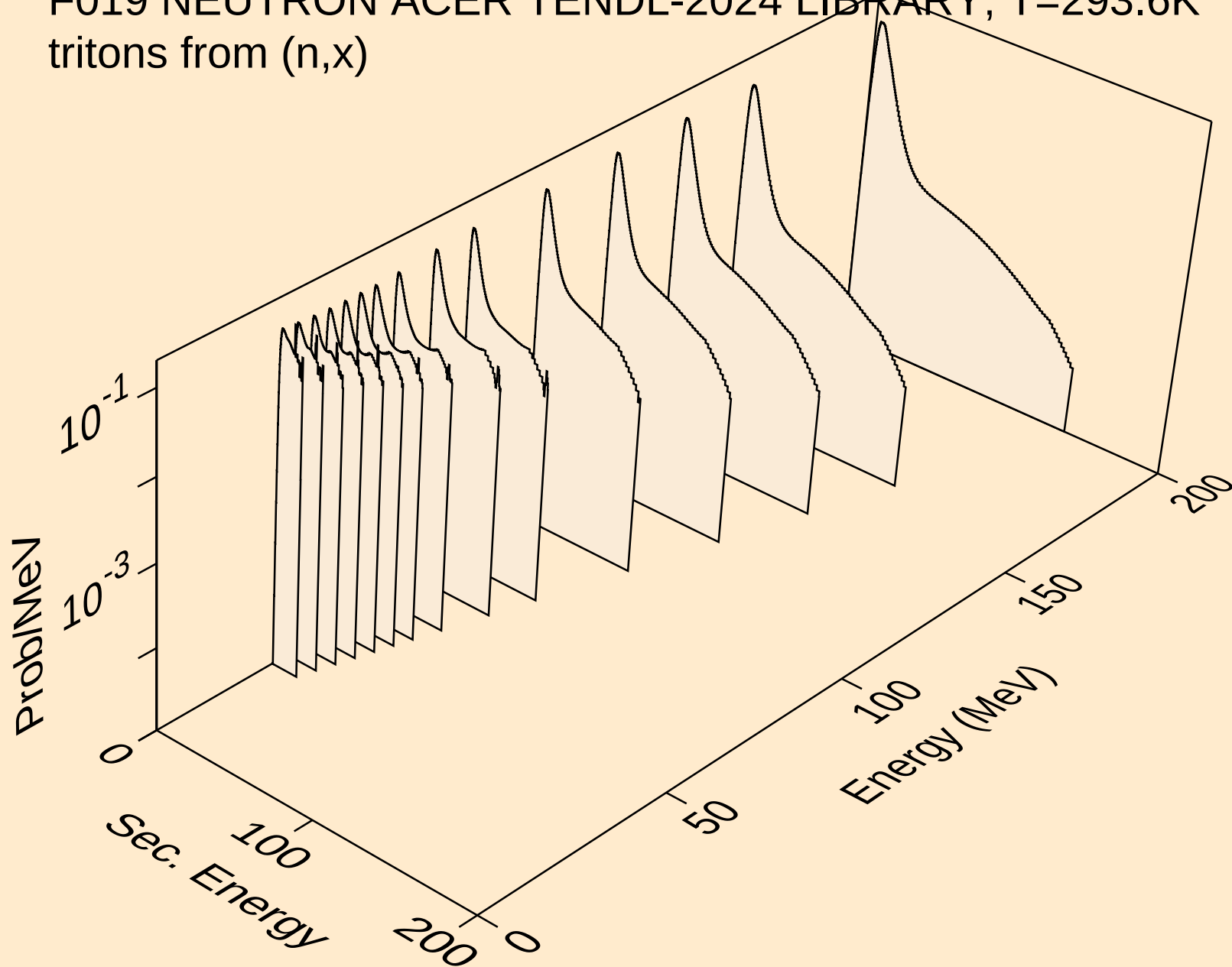
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deuterons from (n,pd)



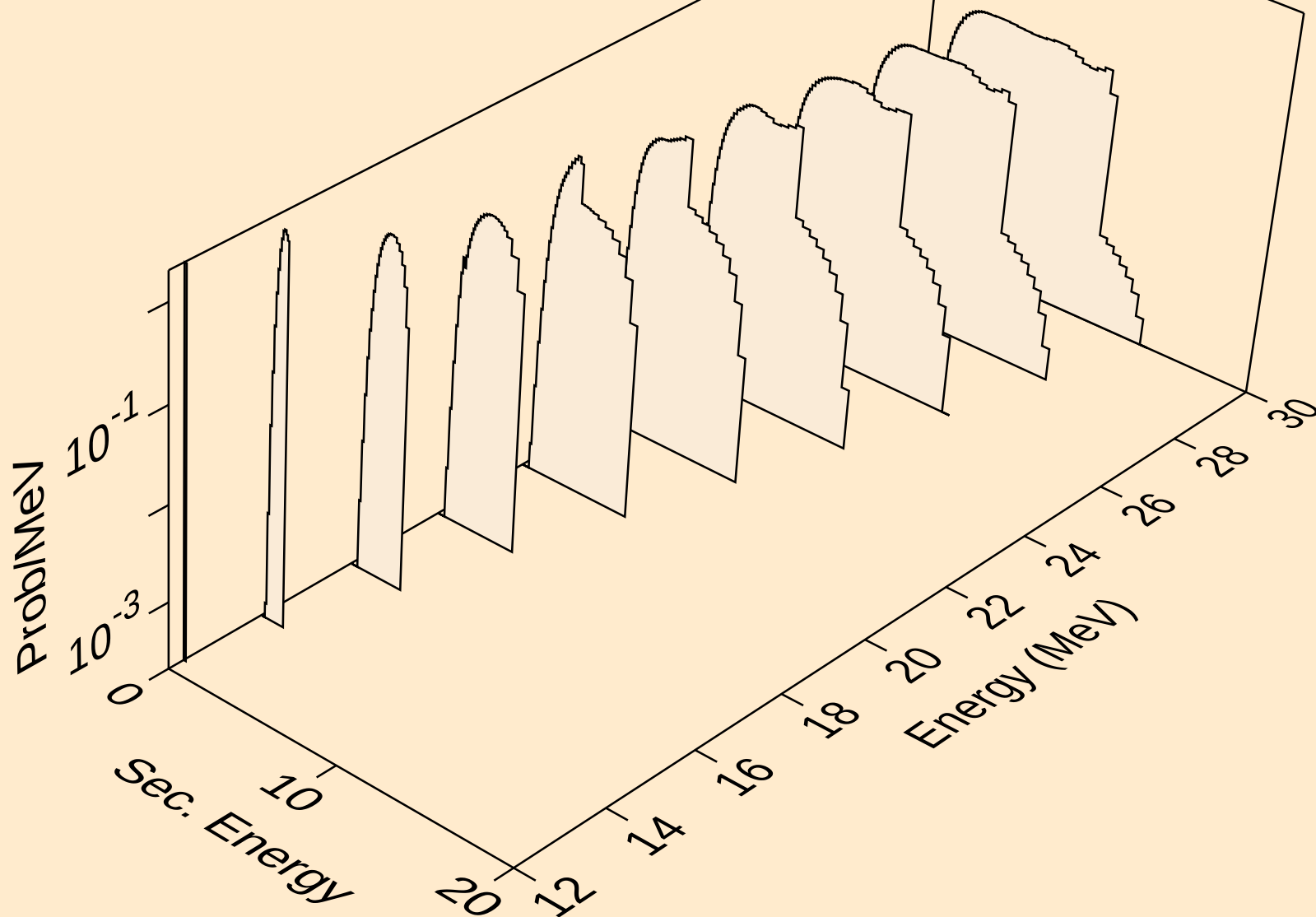
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deuterons from (n,da)



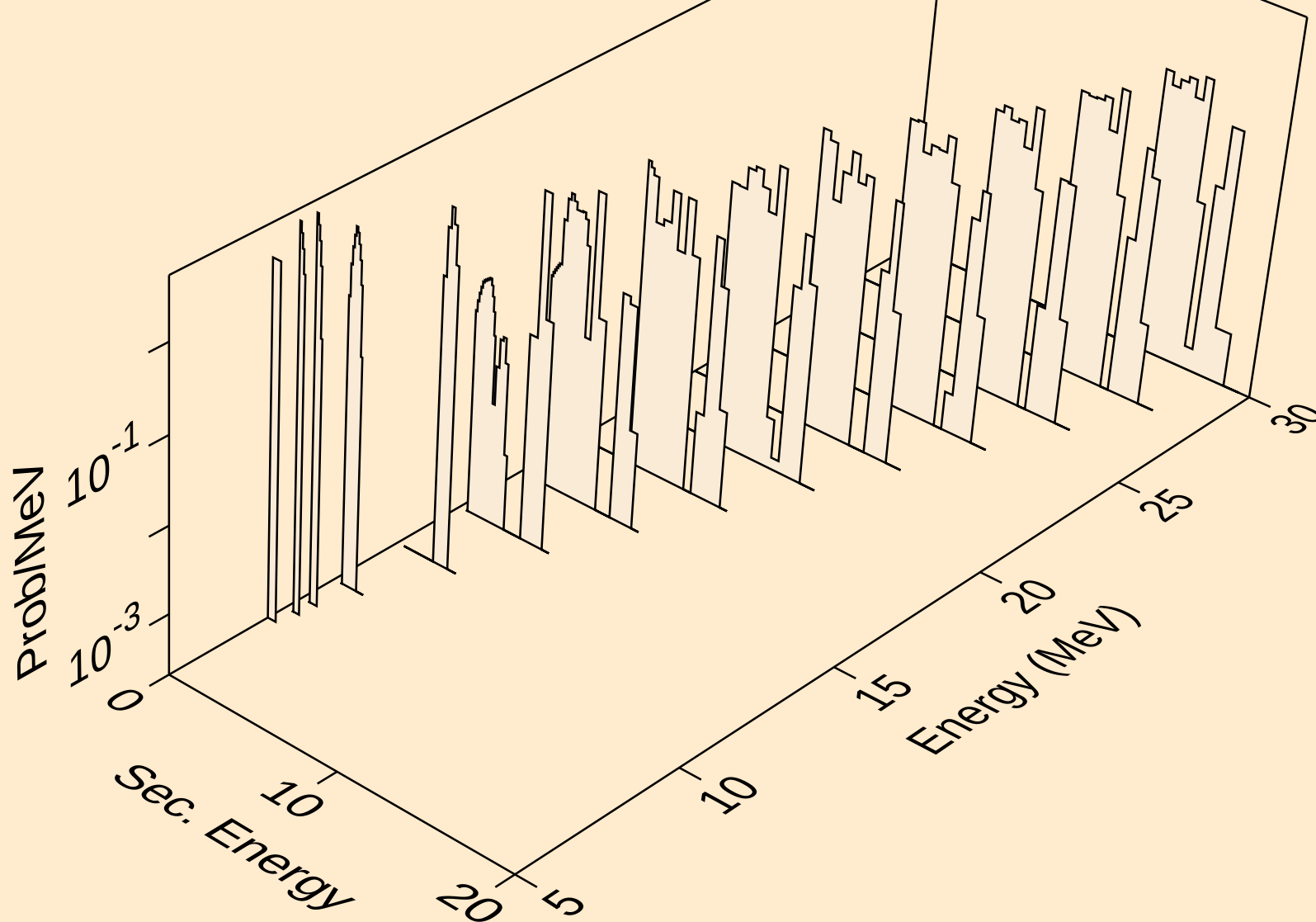
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)



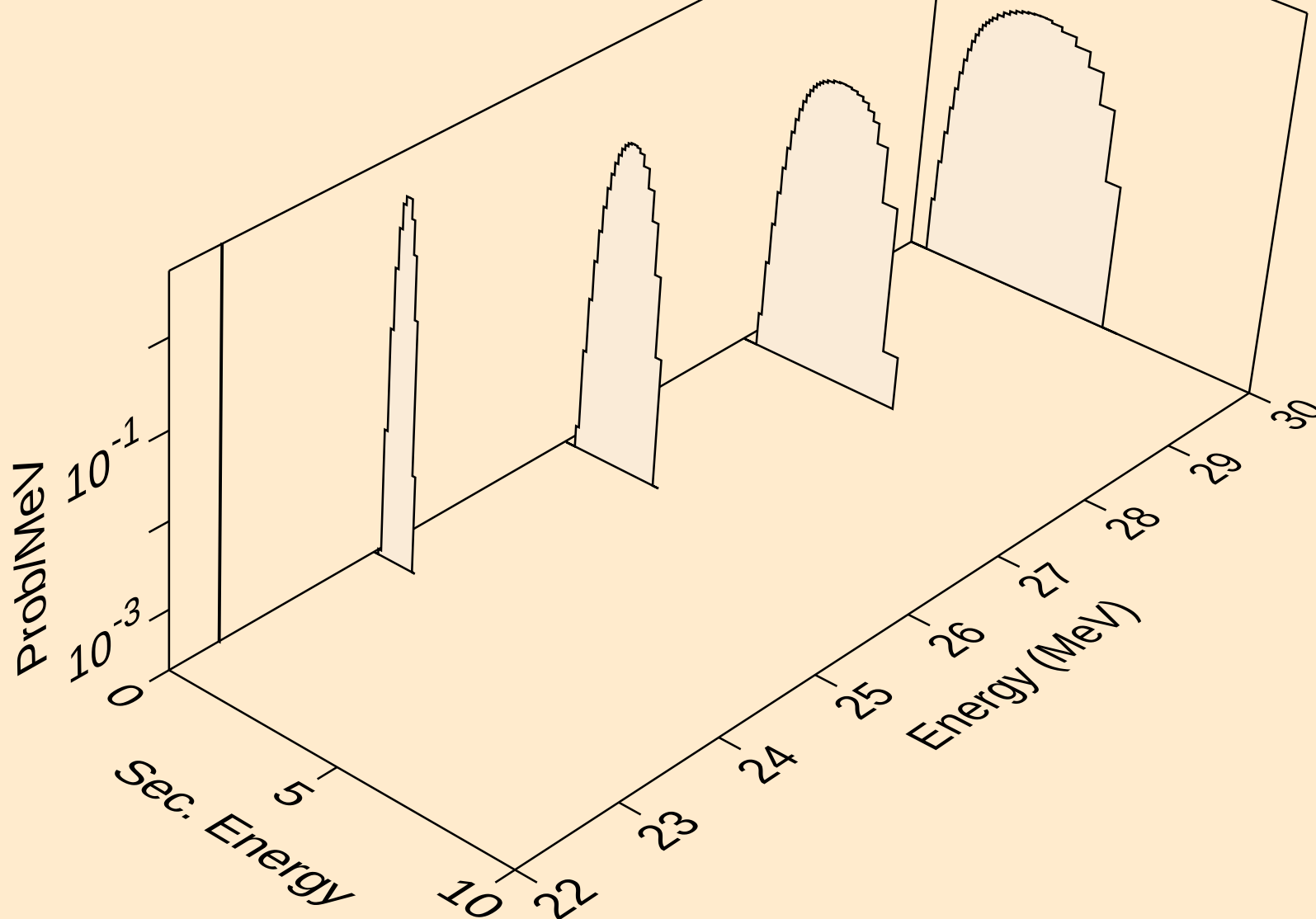
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,n*)t



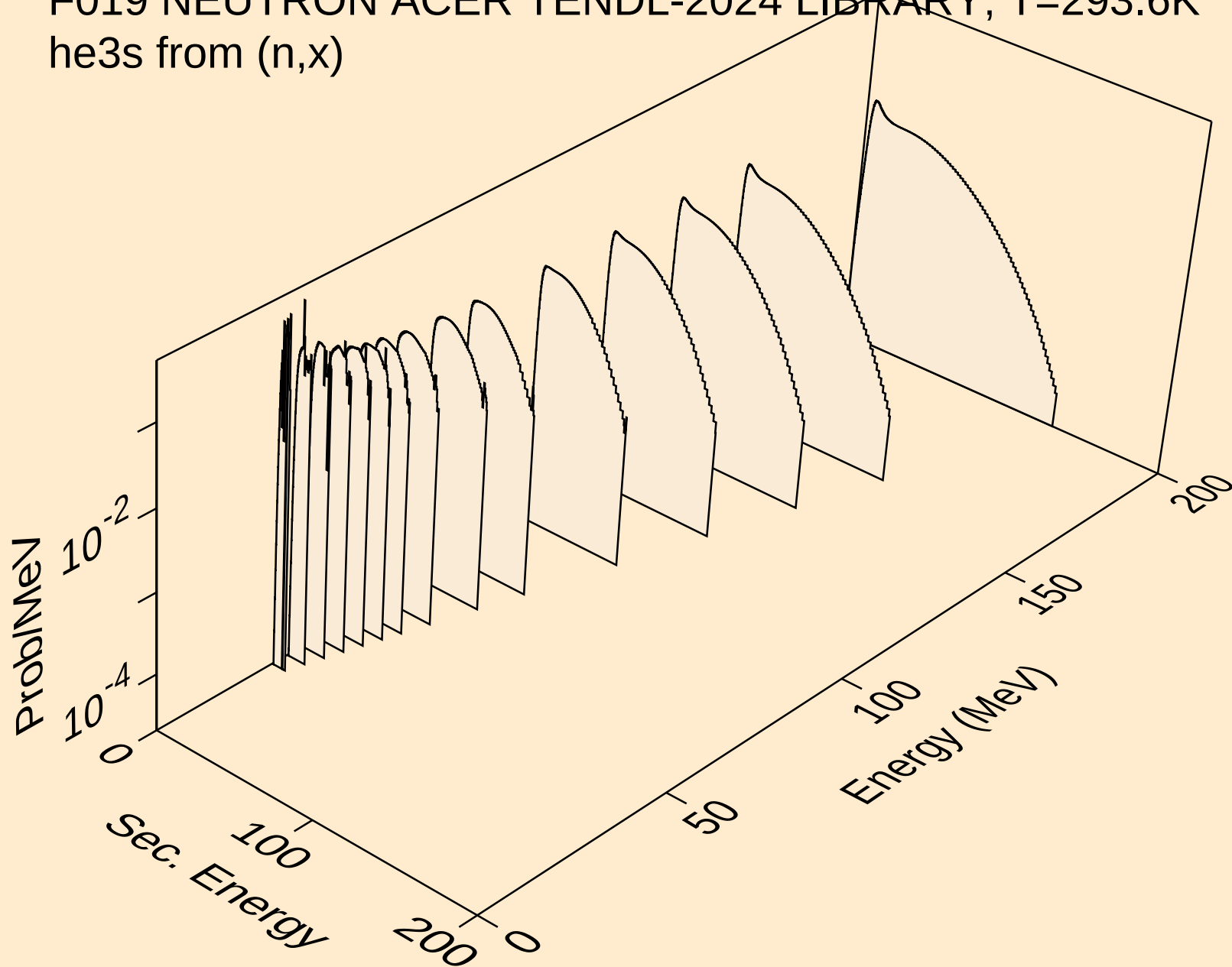
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tritons from (n,t)



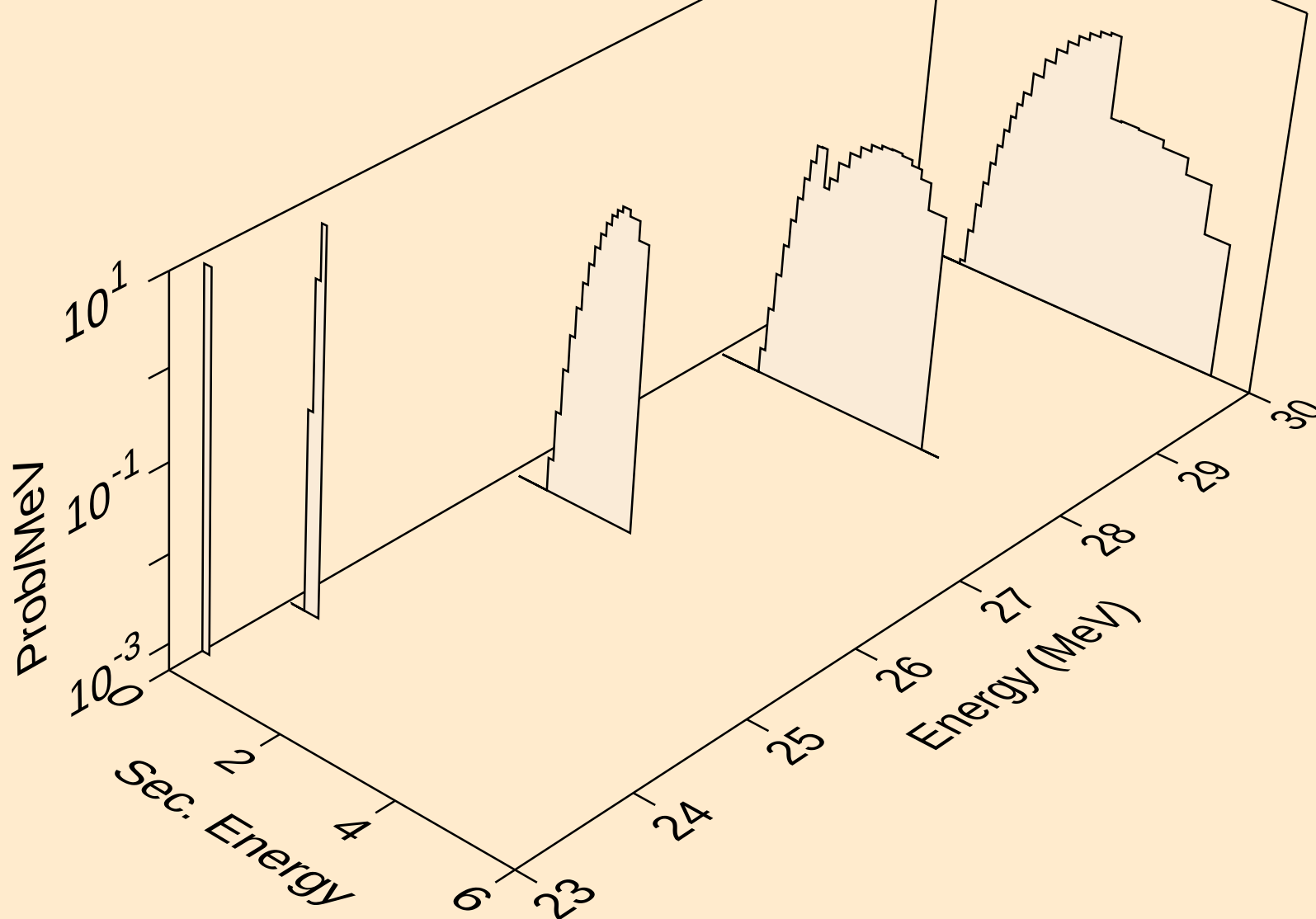
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tritons from (n,pt)



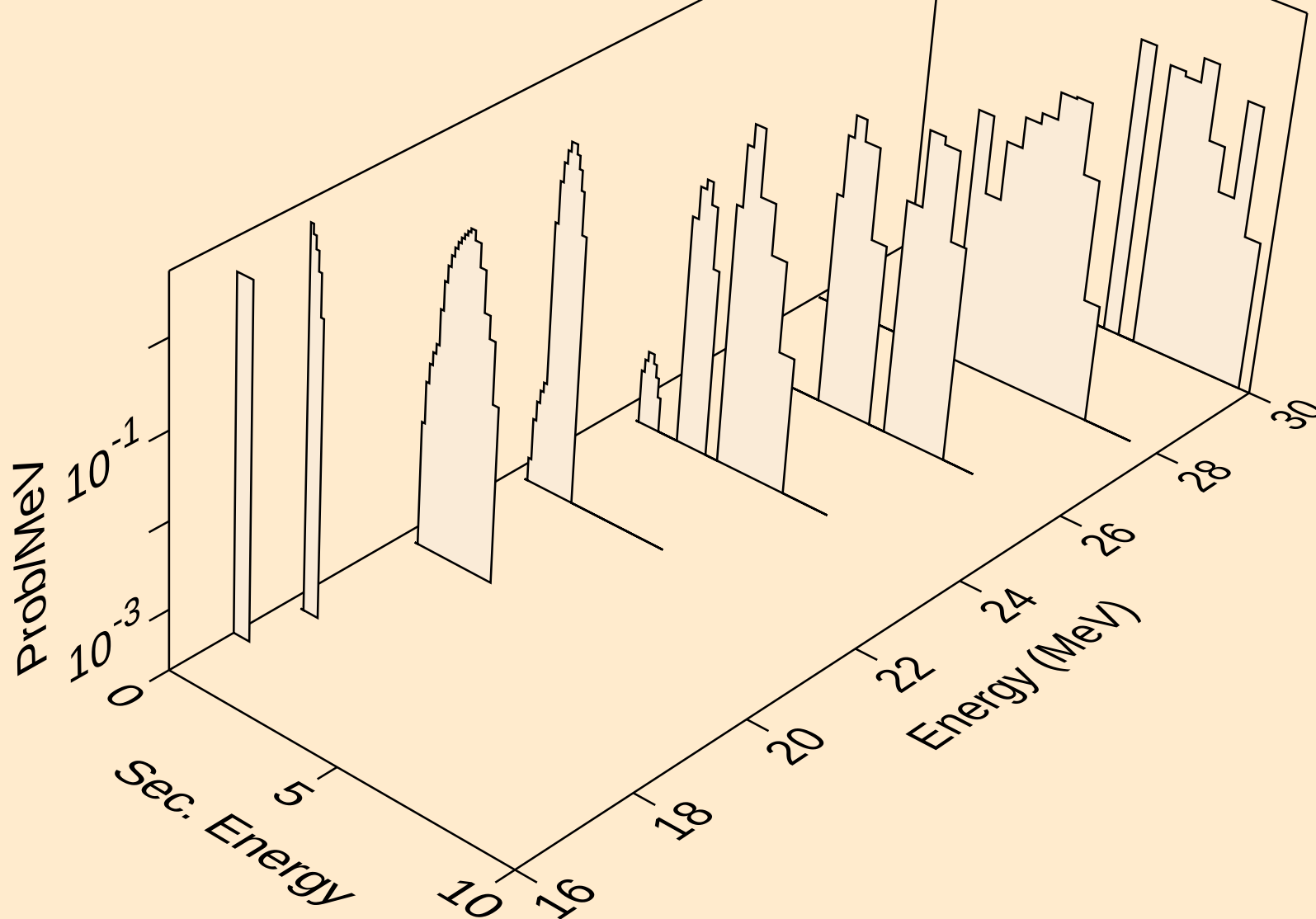
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he3s from (n,x)



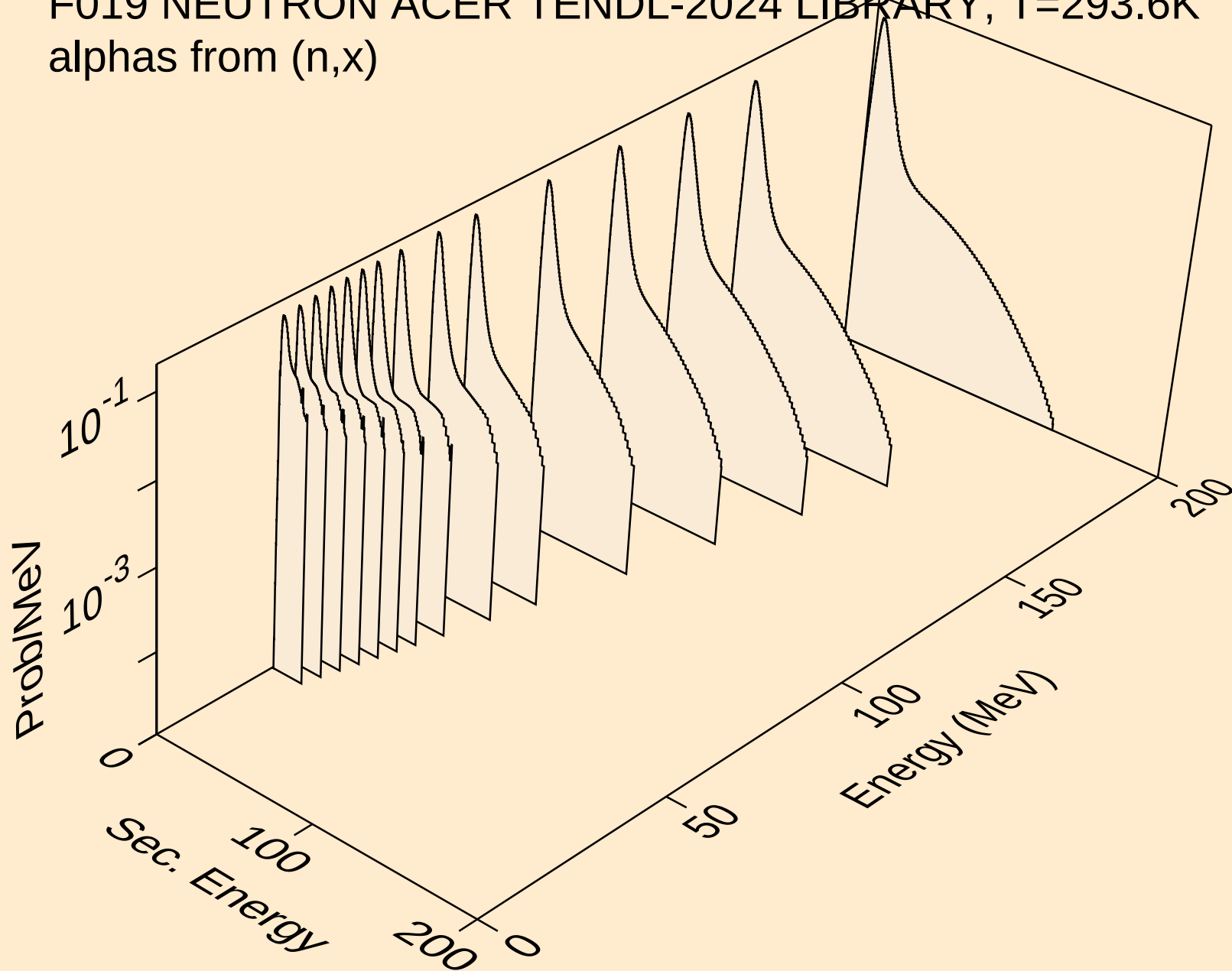
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he3s from (n,n*)he3



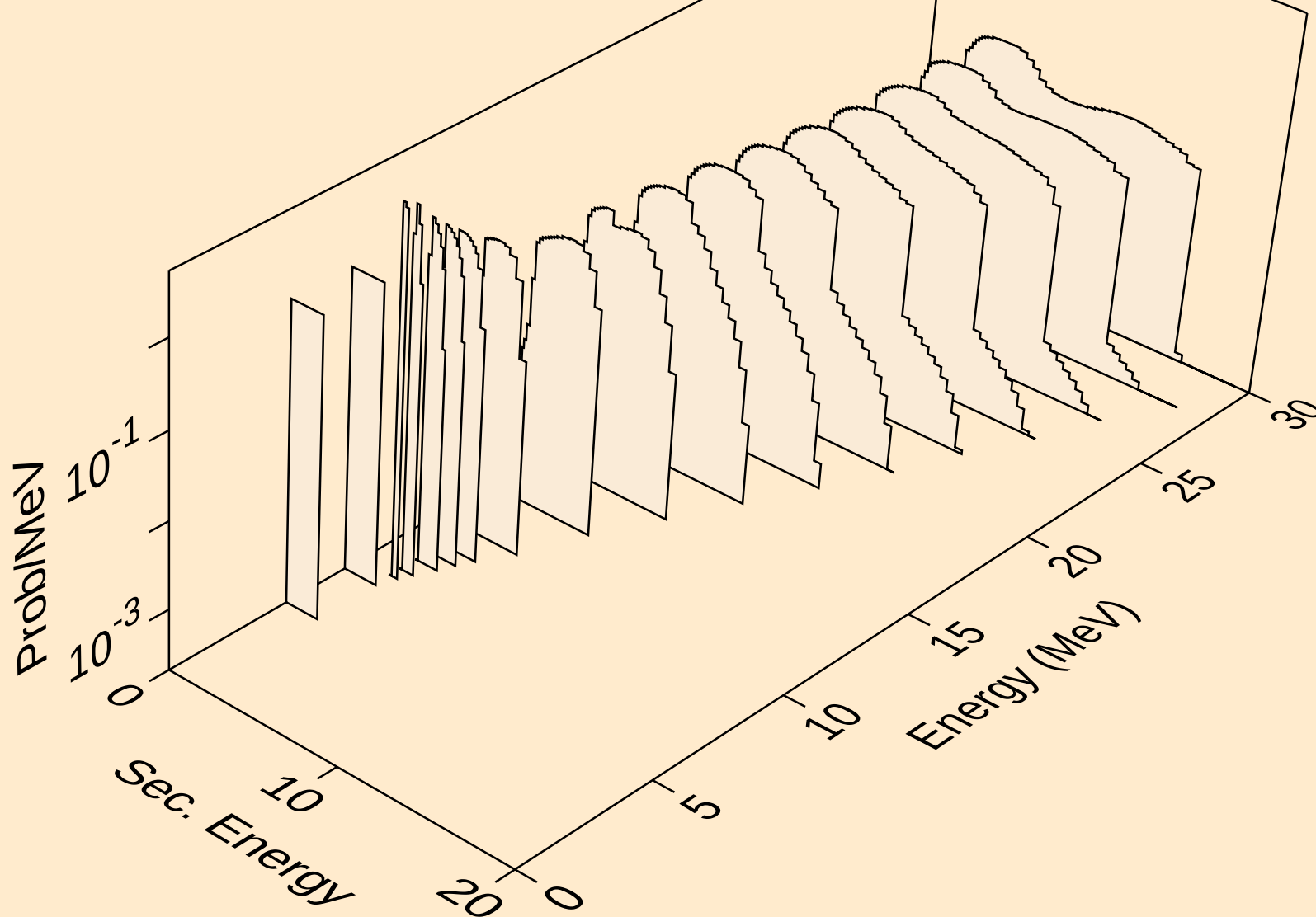
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,he3)



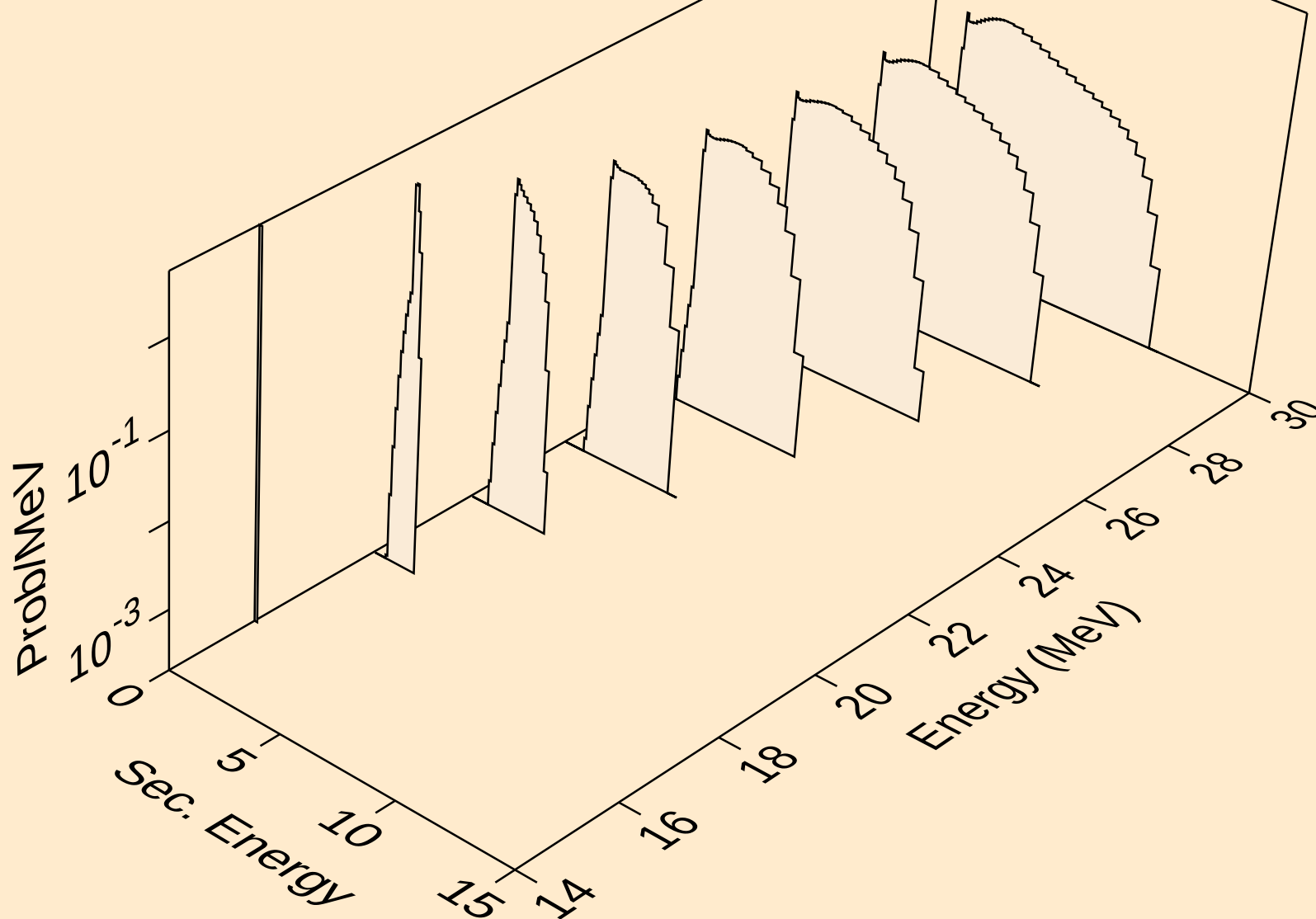
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)



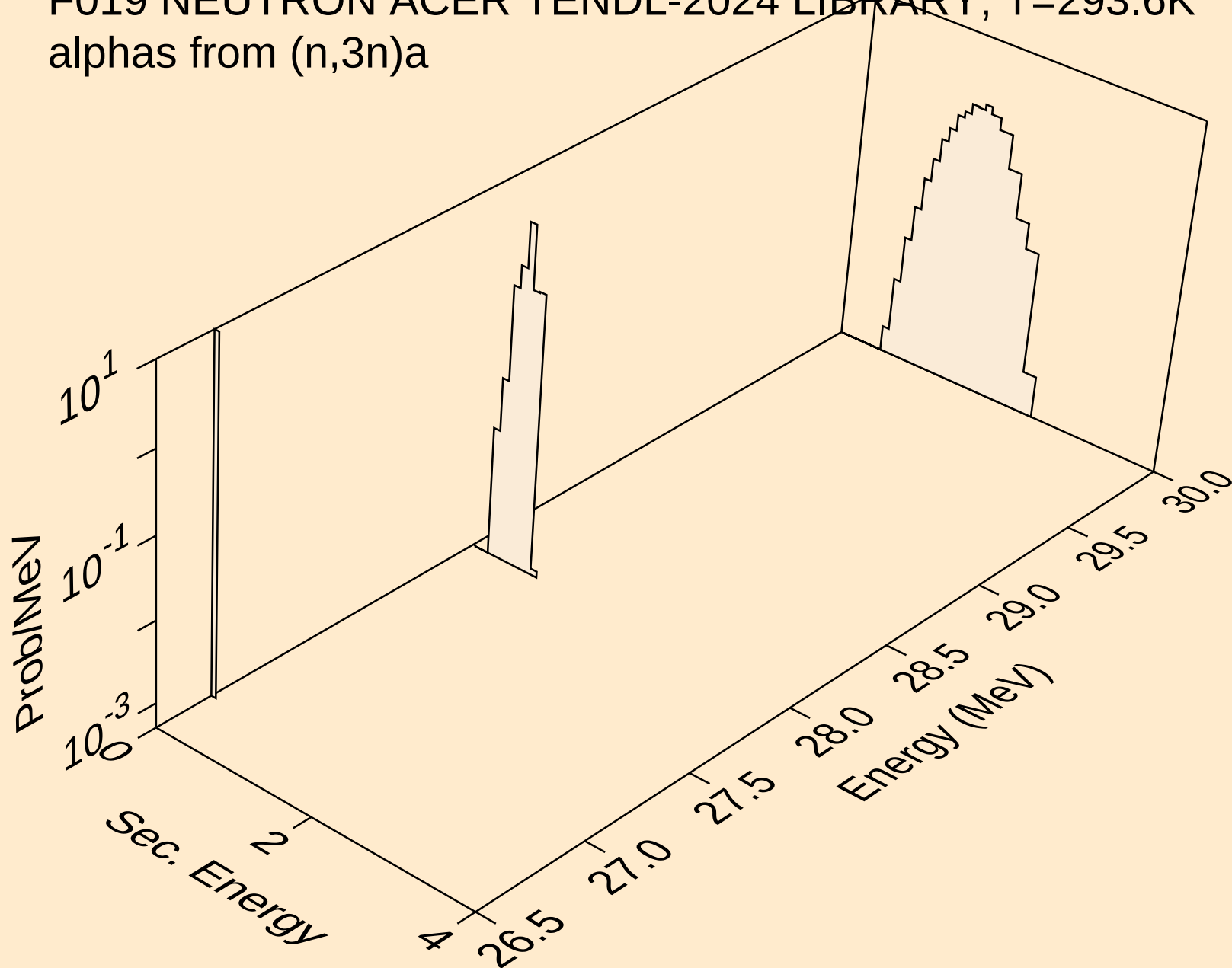
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)a



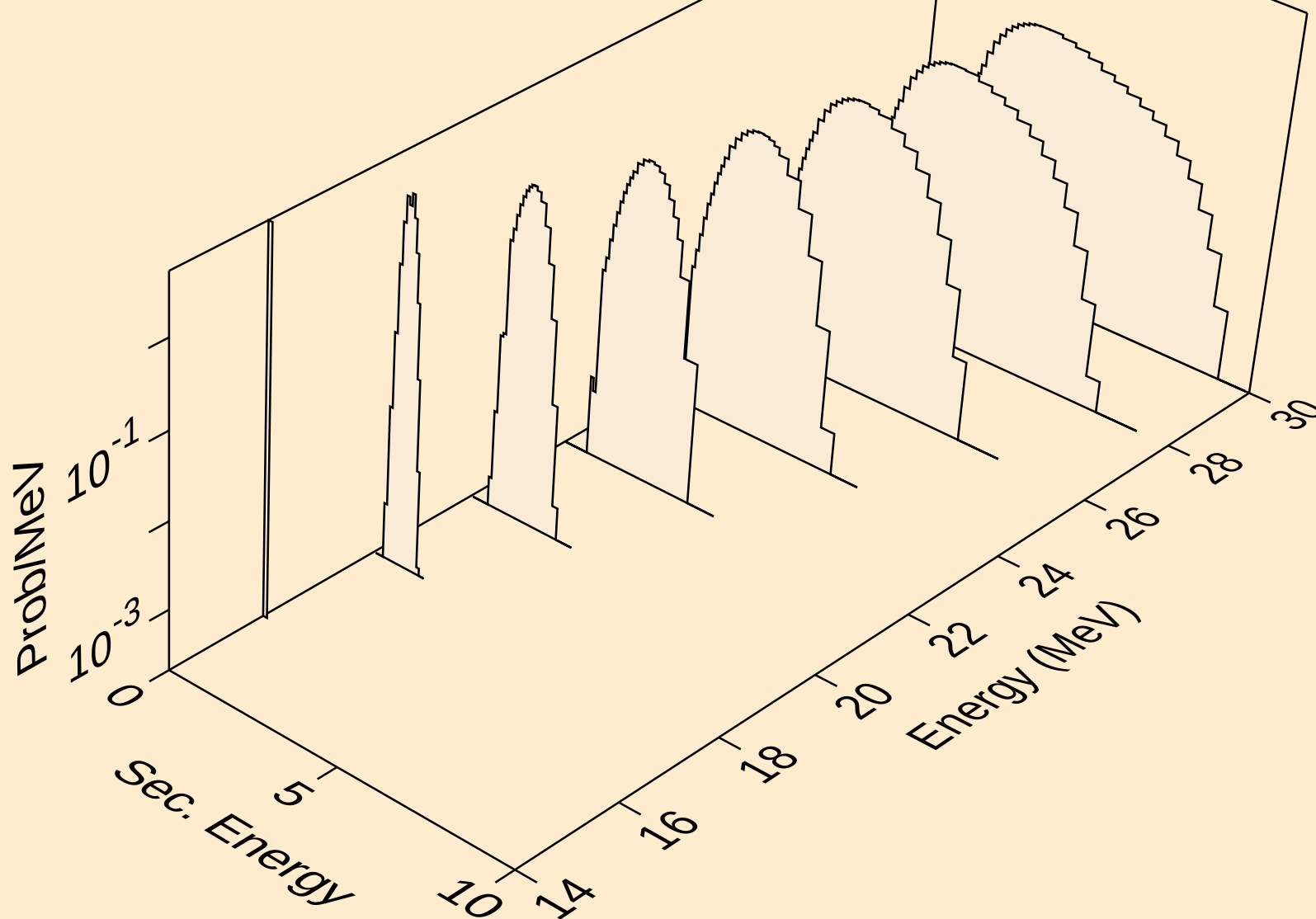
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a



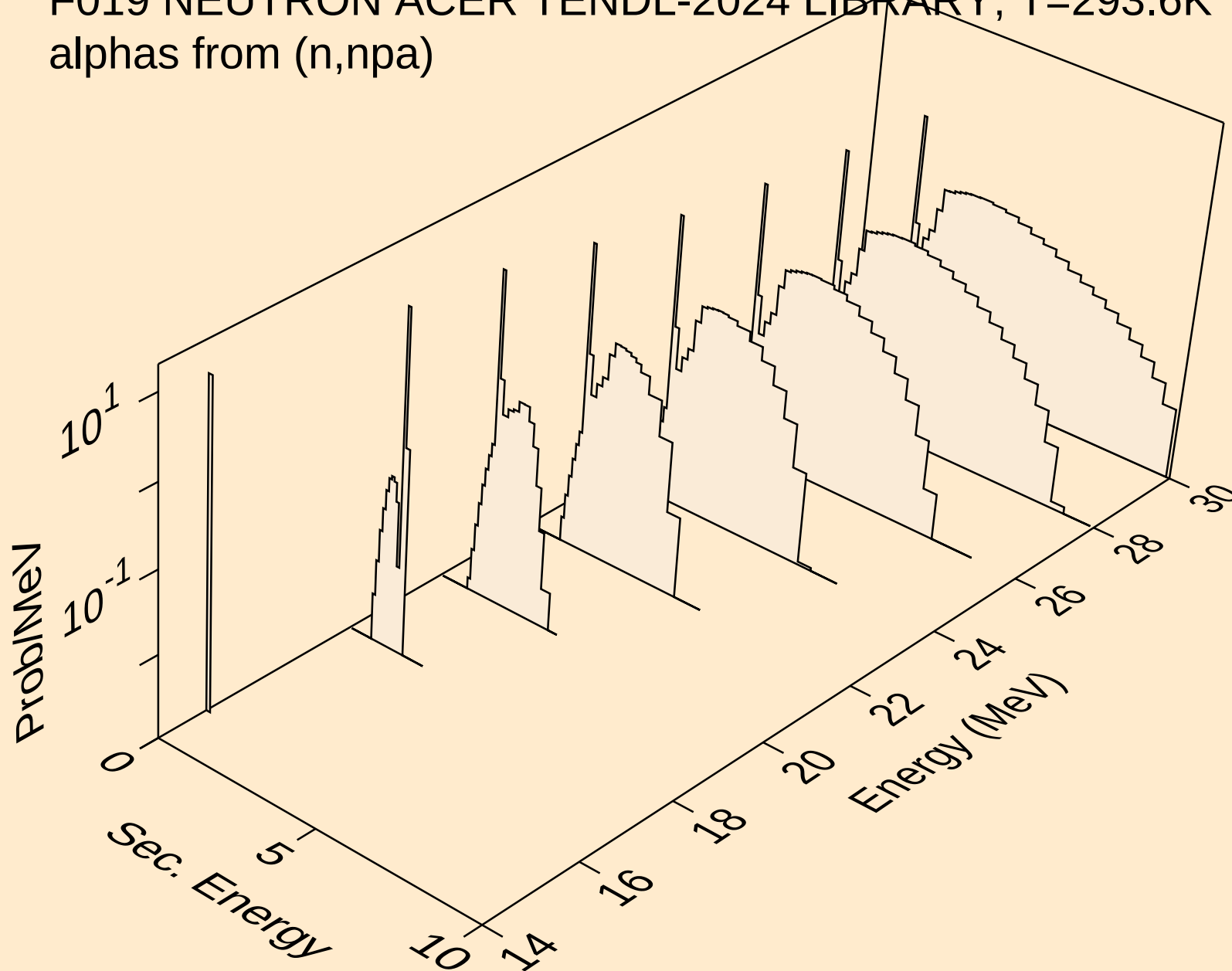
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3n)a



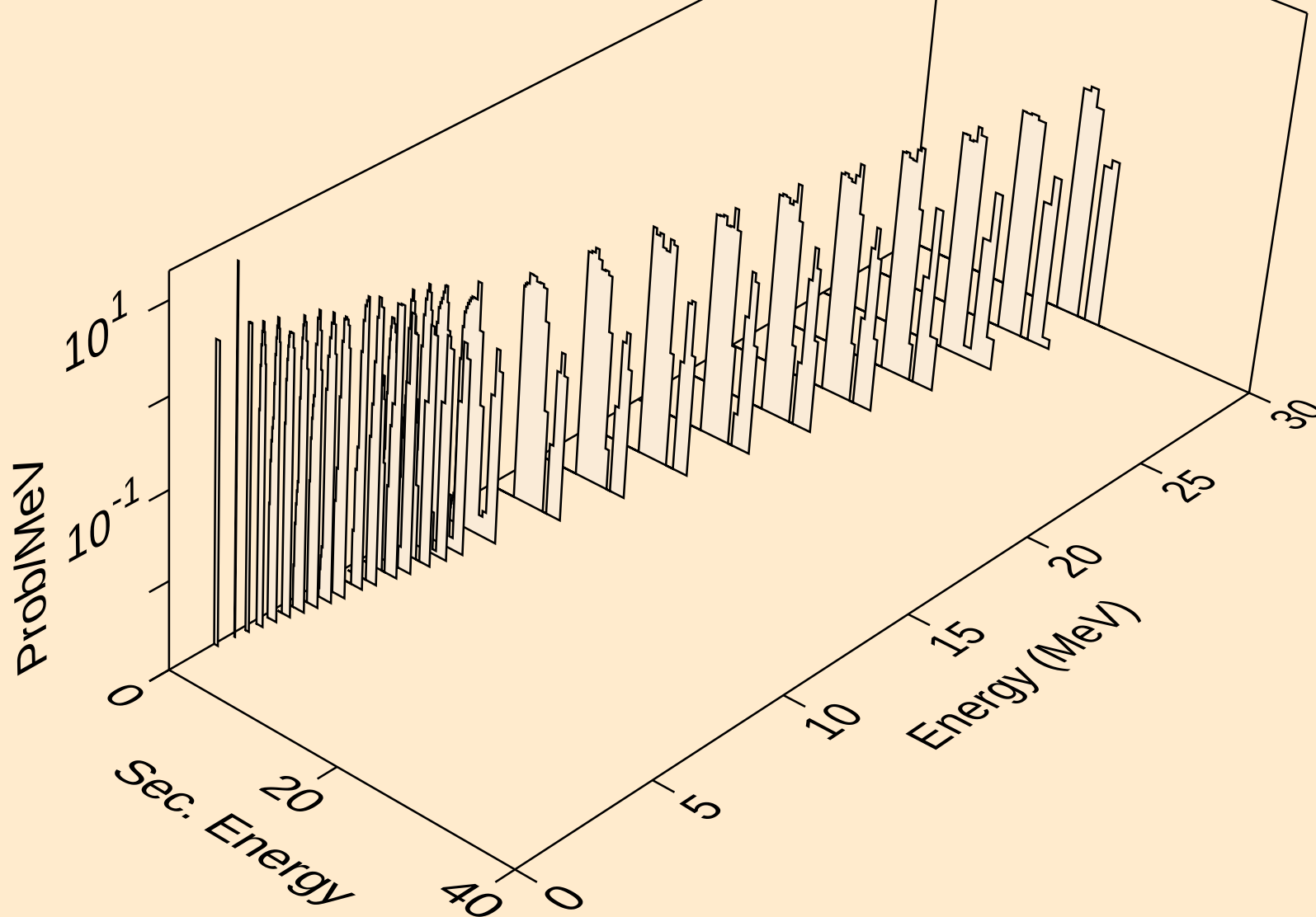
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)2a



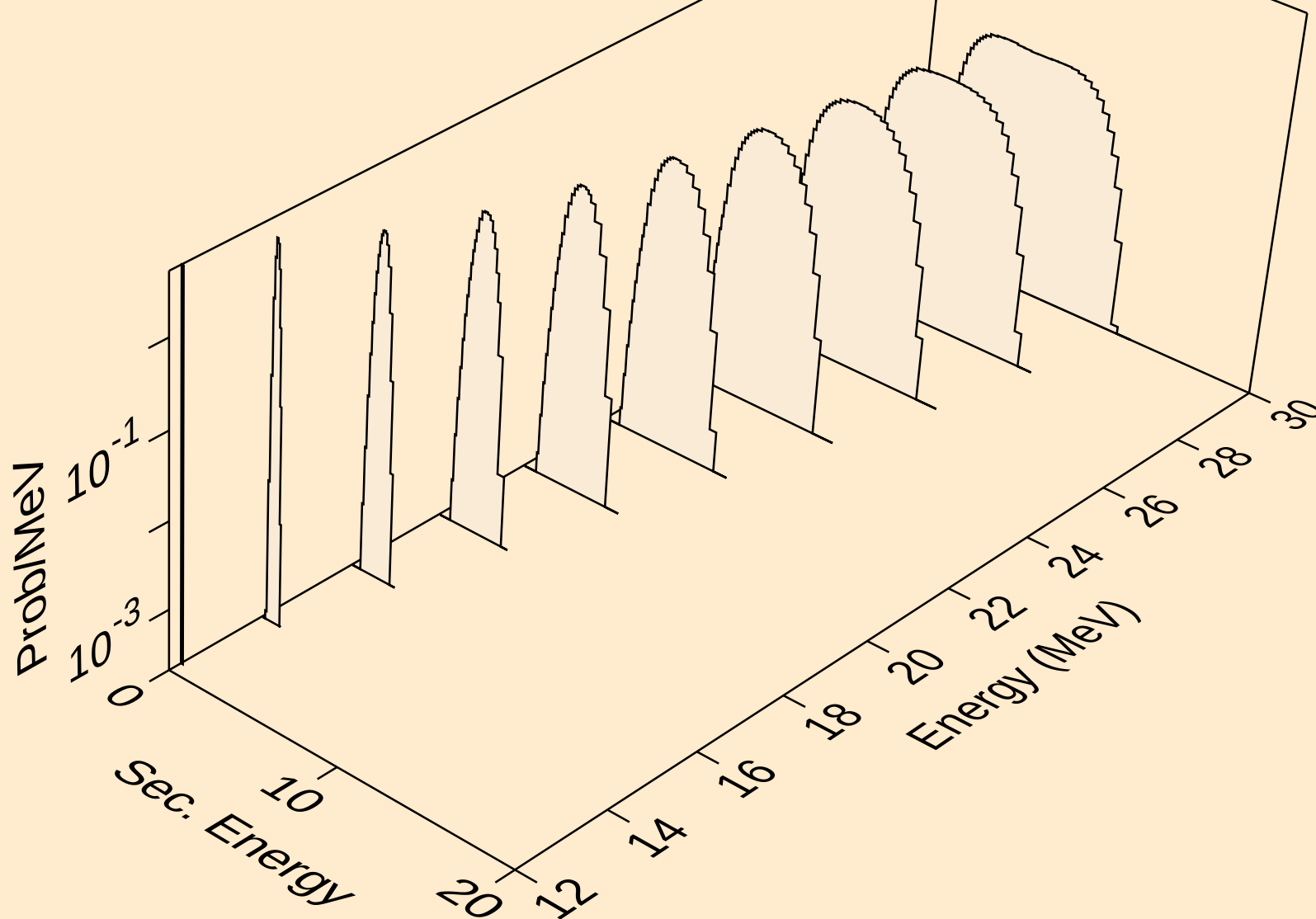
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,npa)



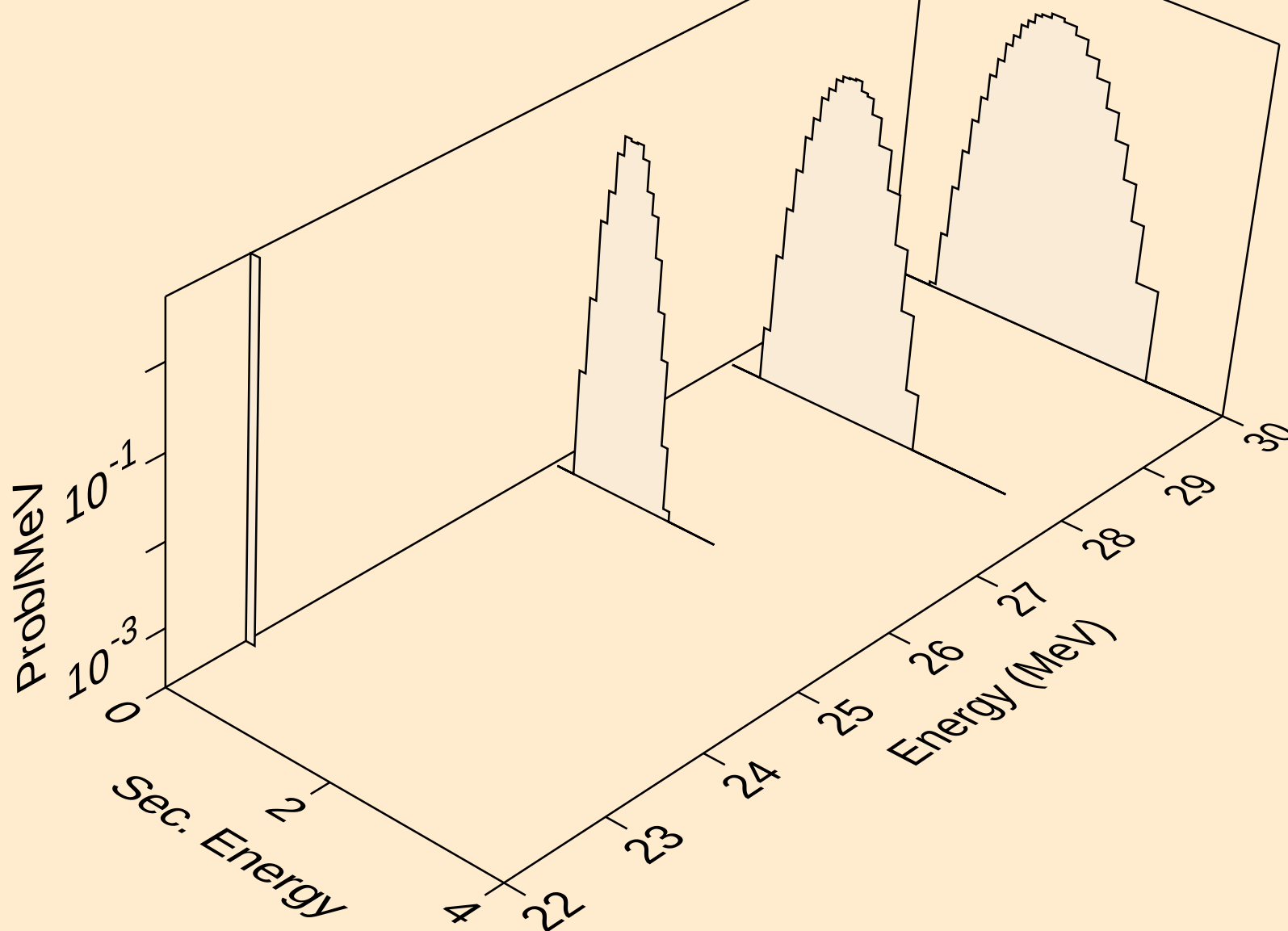
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,a)



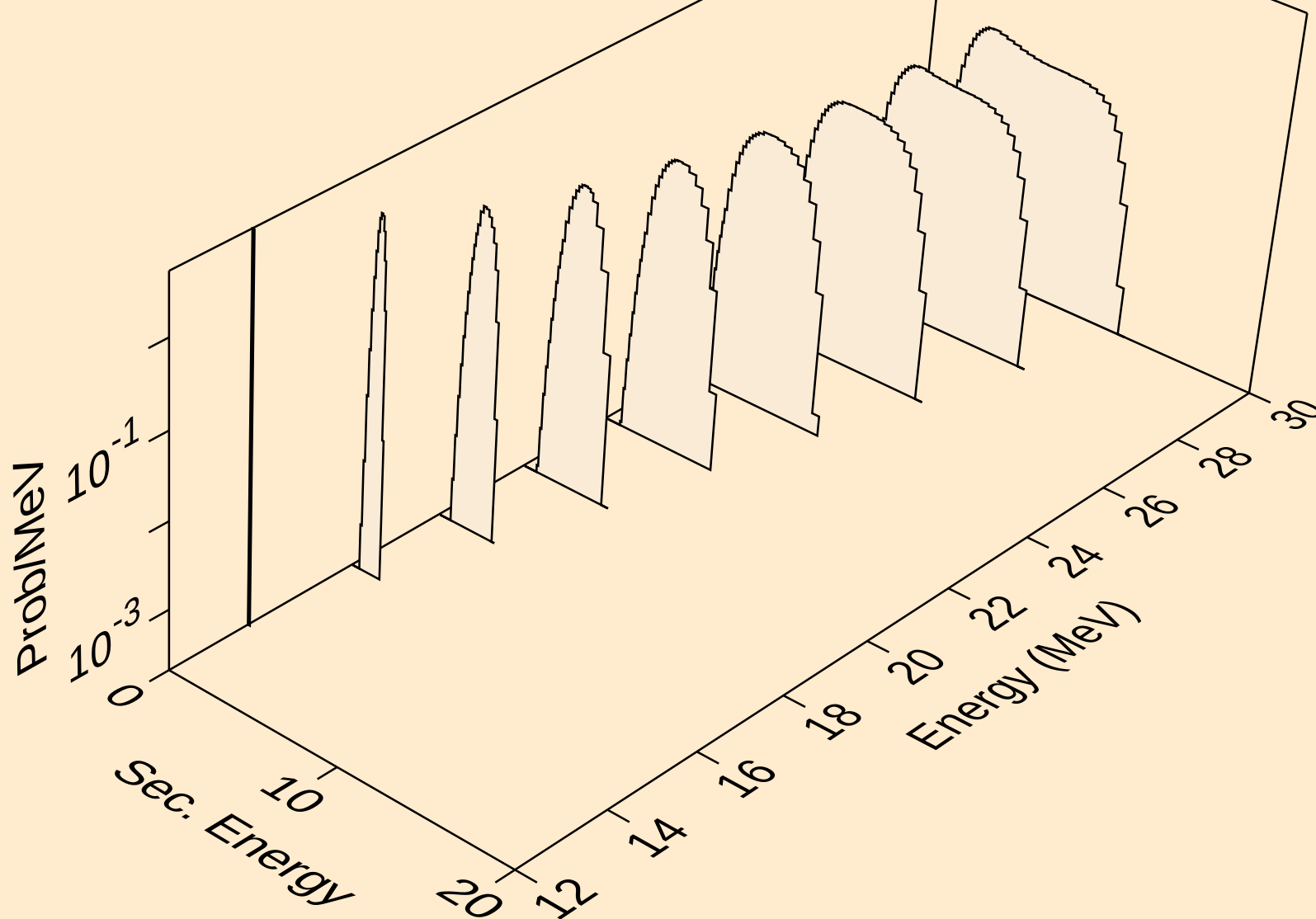
F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2a)



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3a)



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,pa)



F019 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,da)

