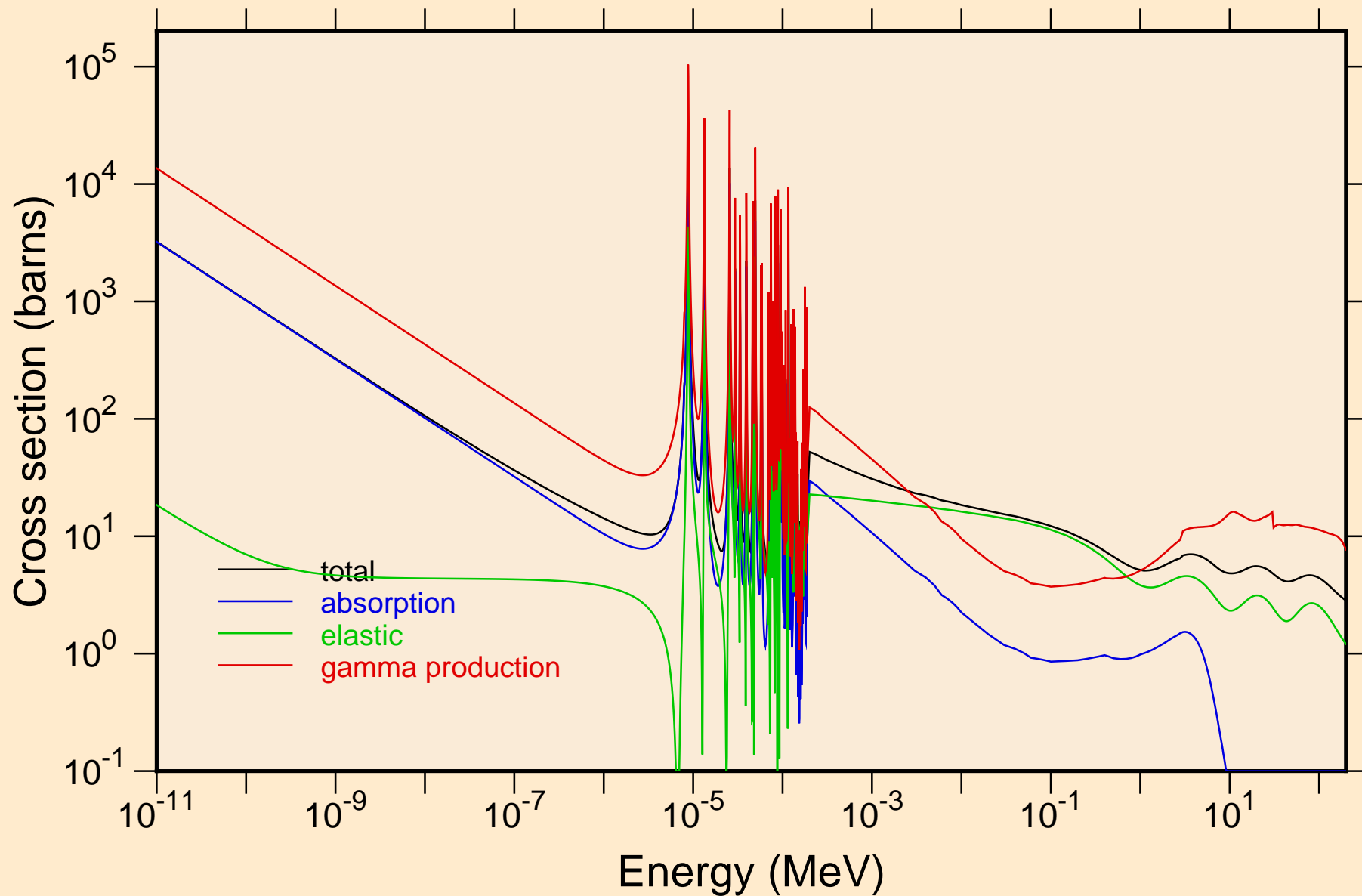
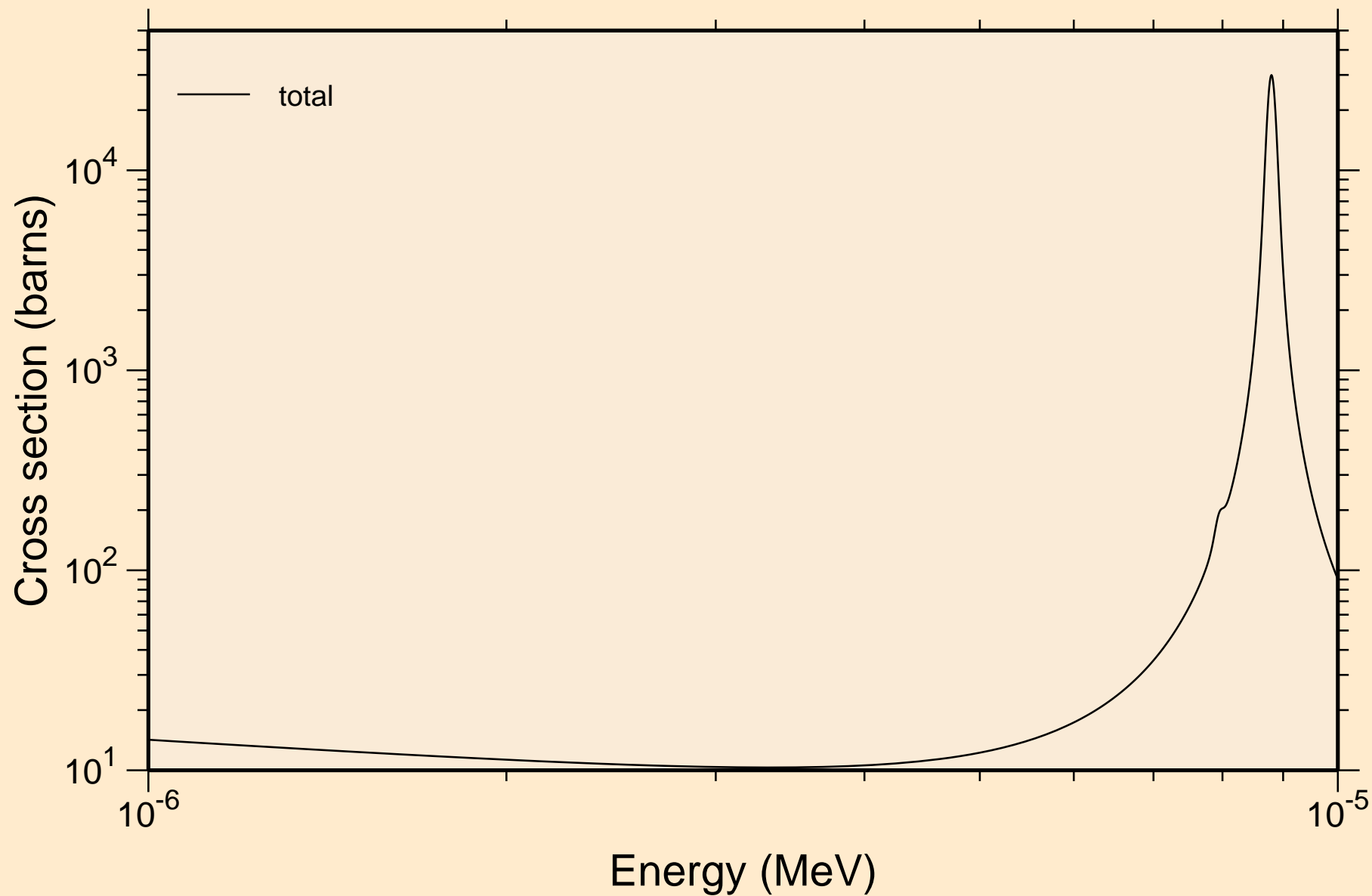


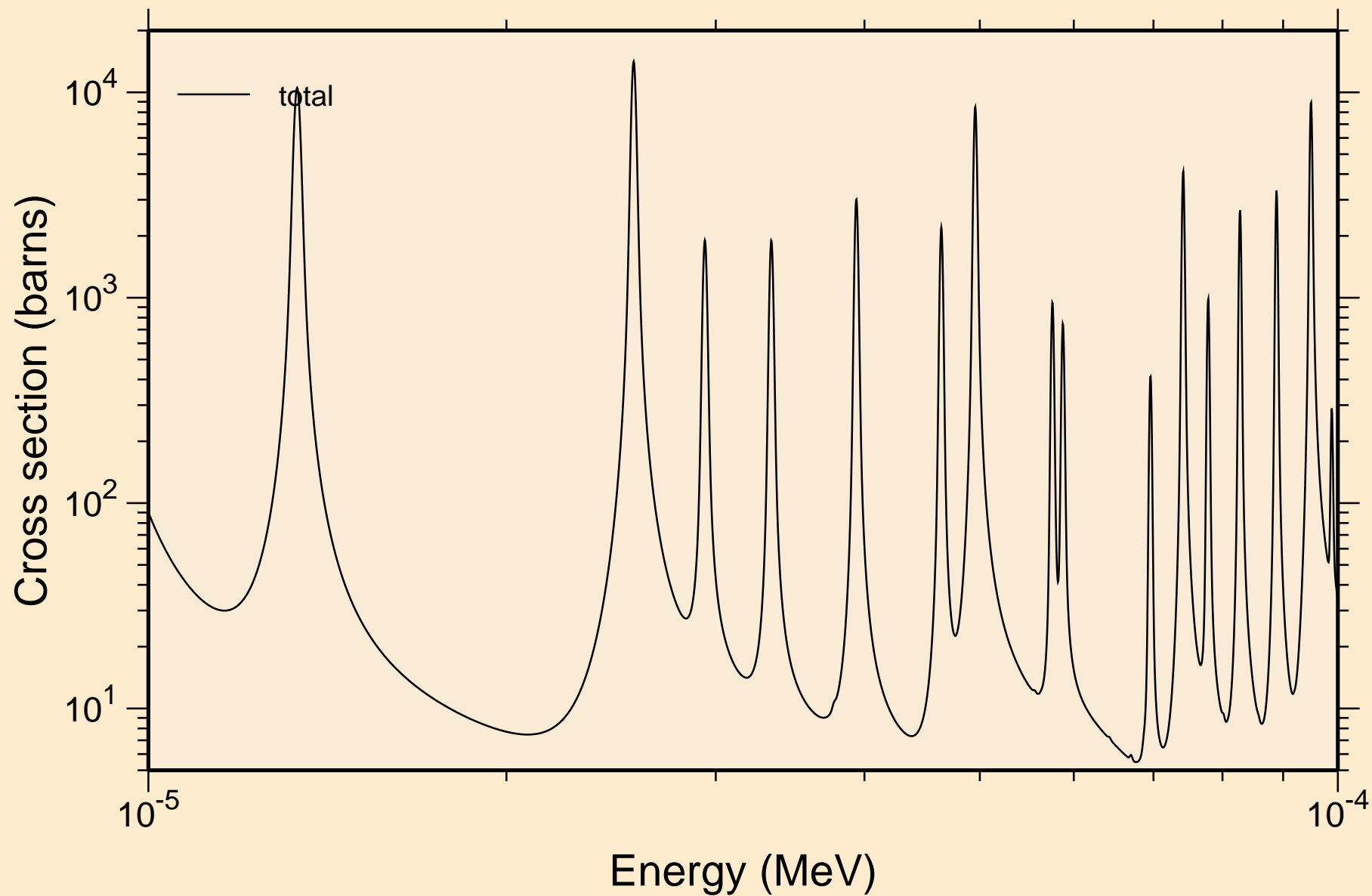
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



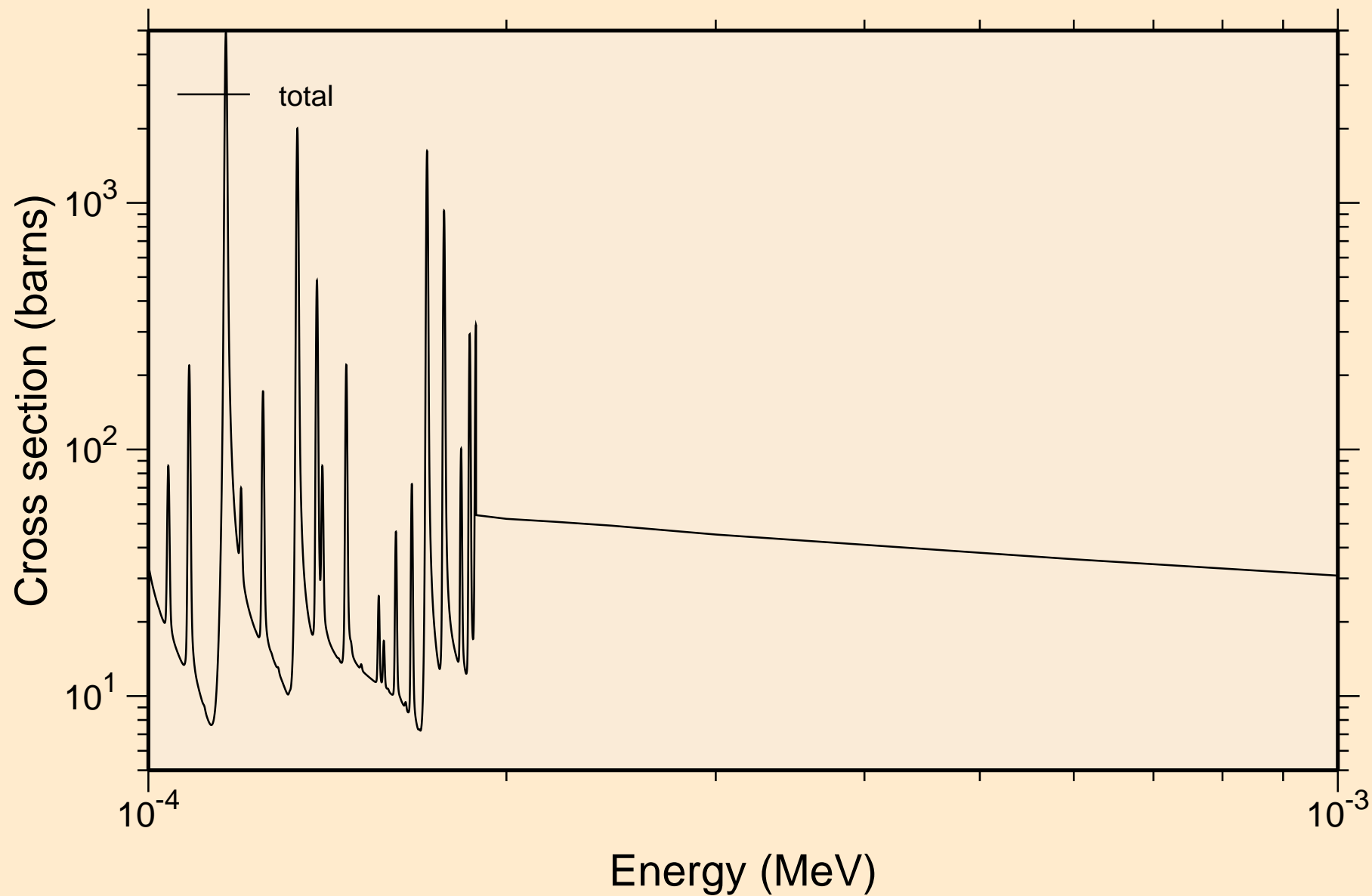
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



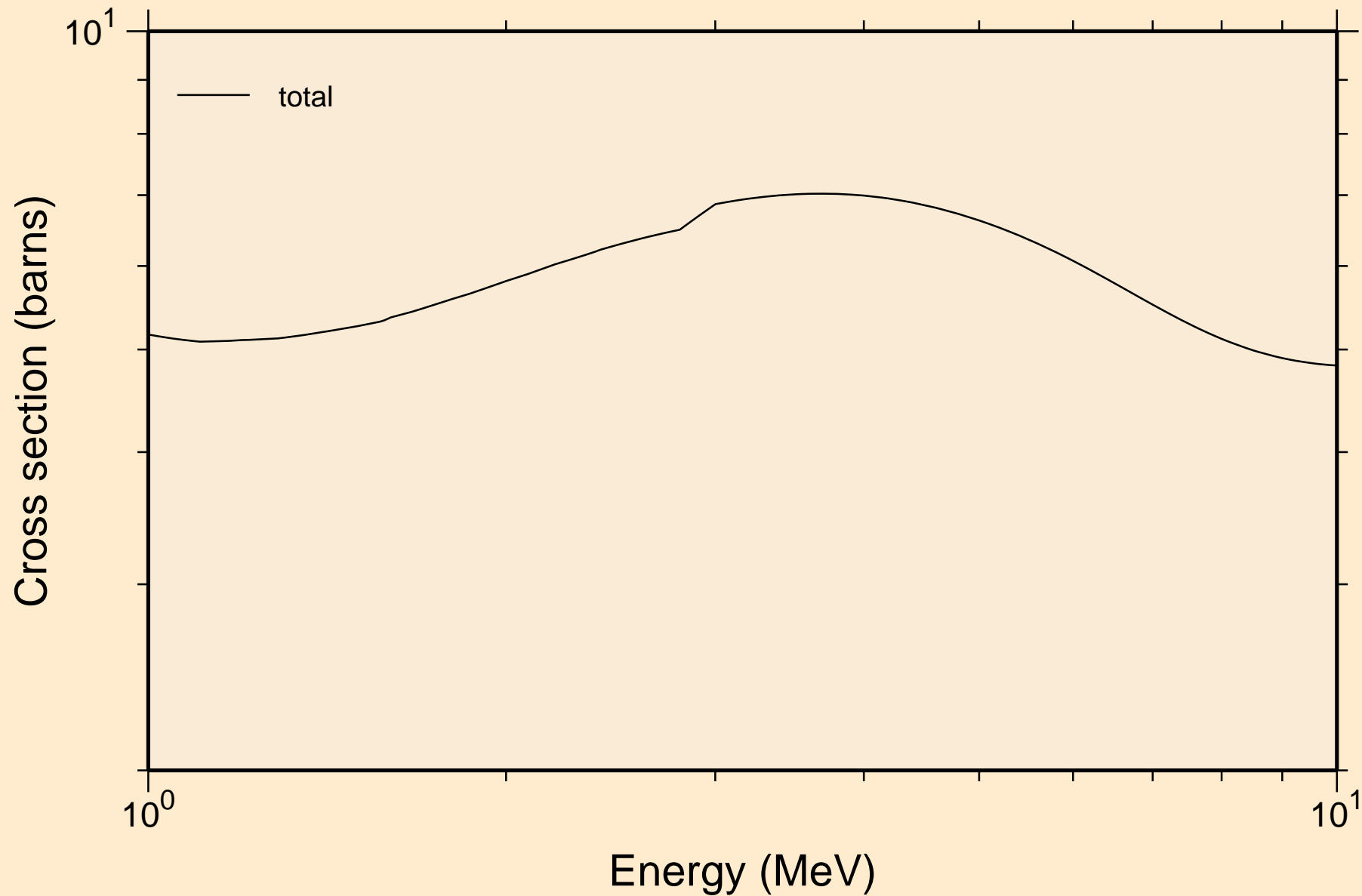
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resonance total cross section



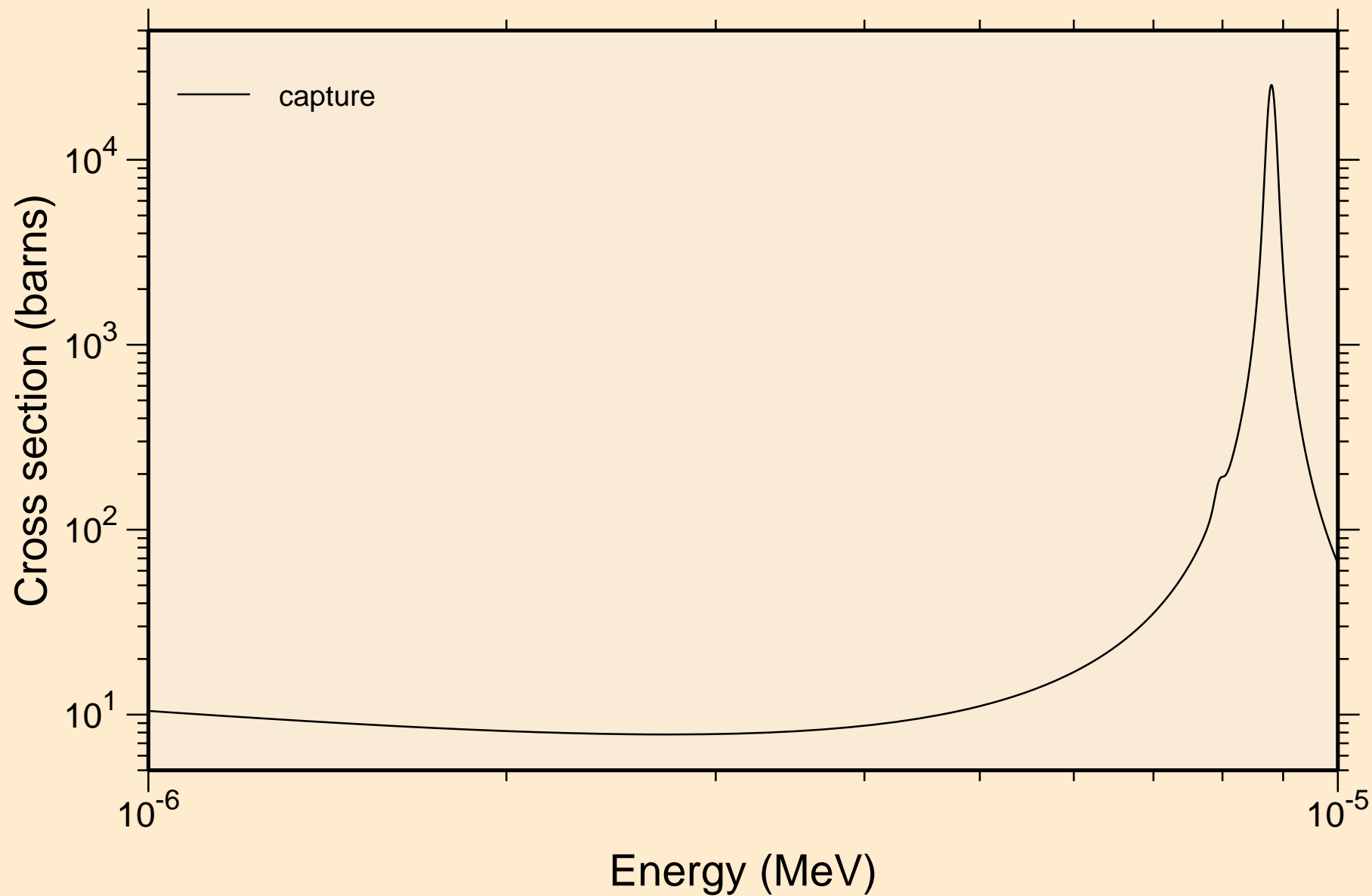
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resonance total cross section



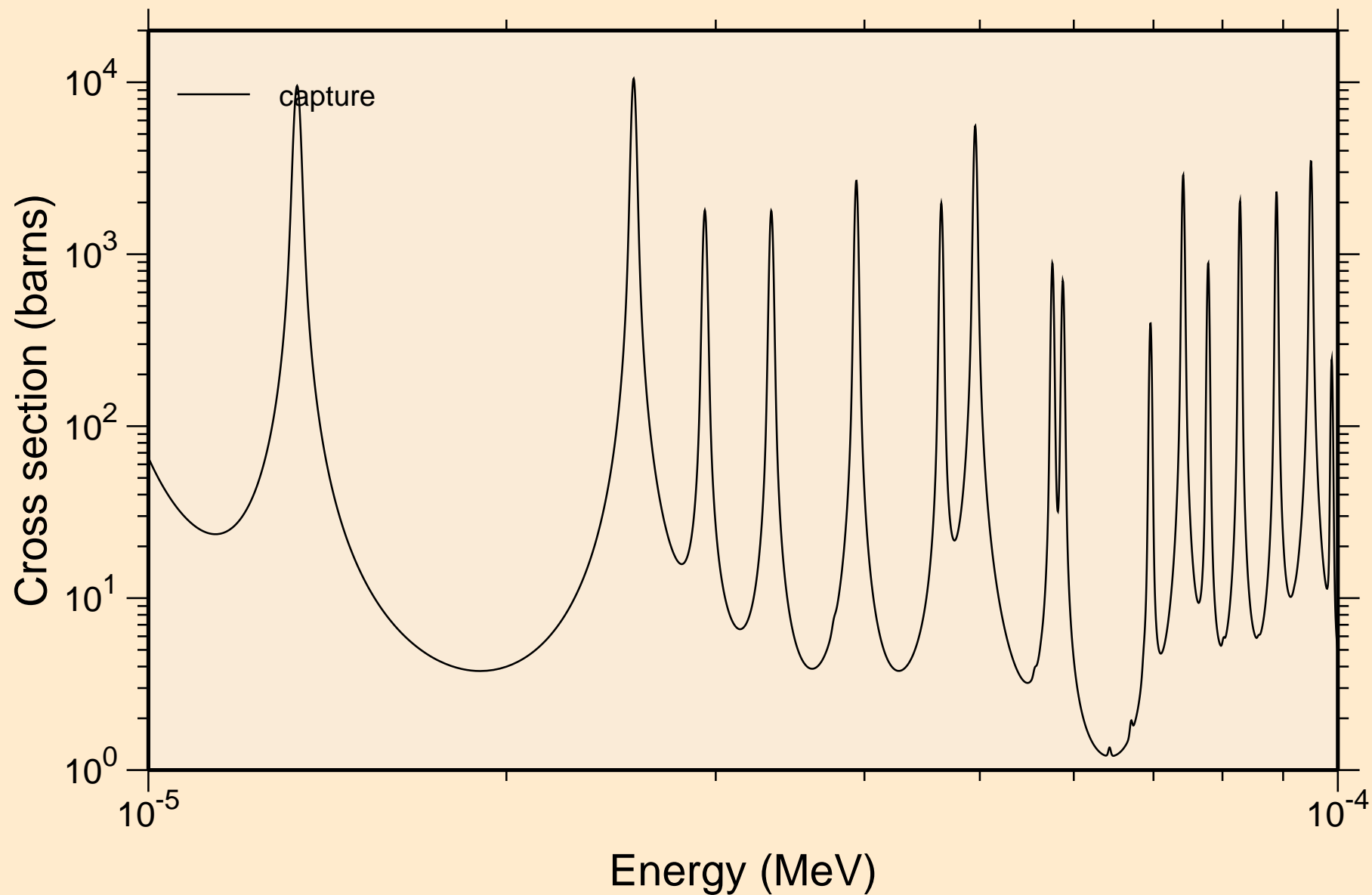
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resonance total cross section



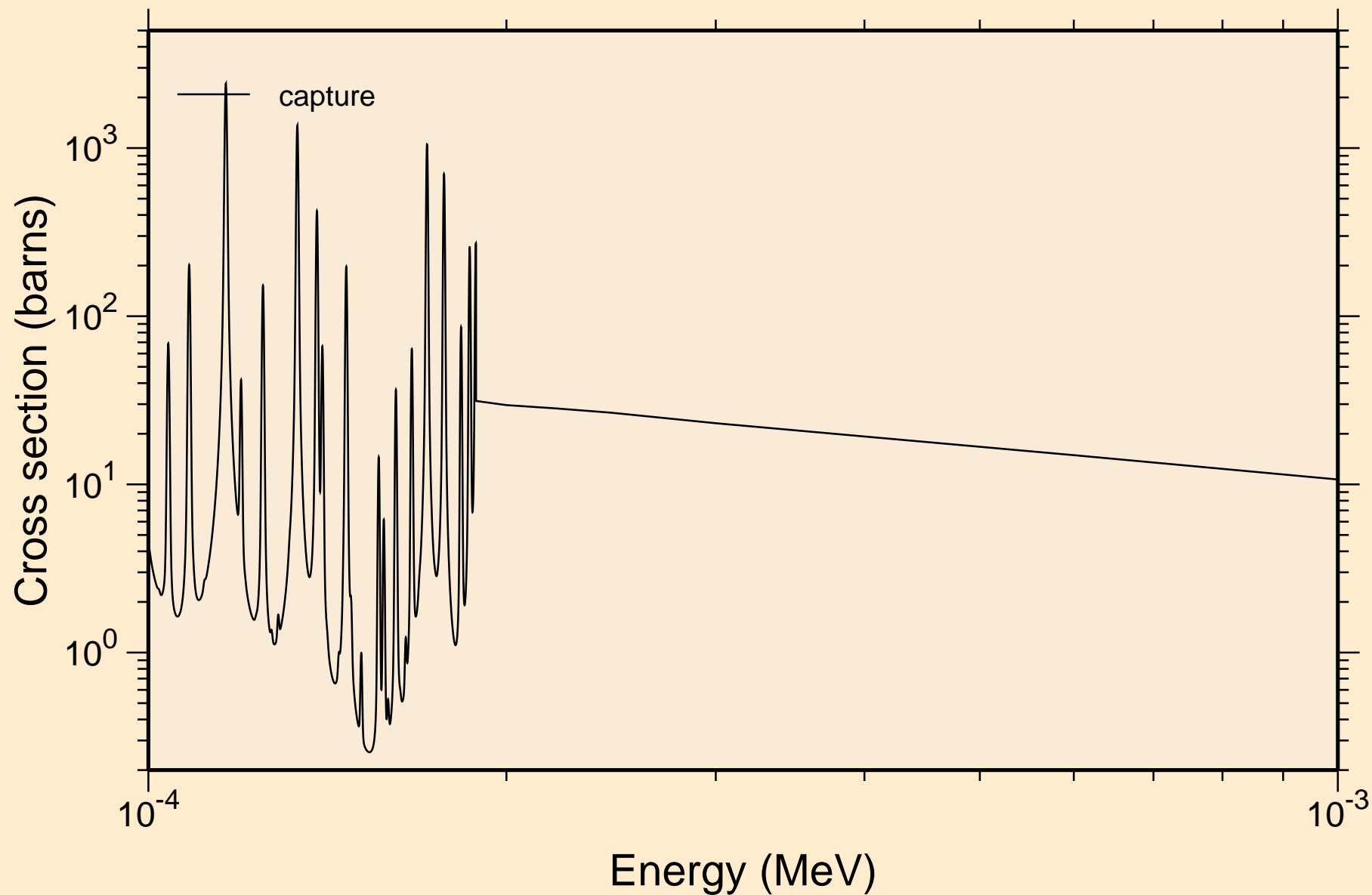
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



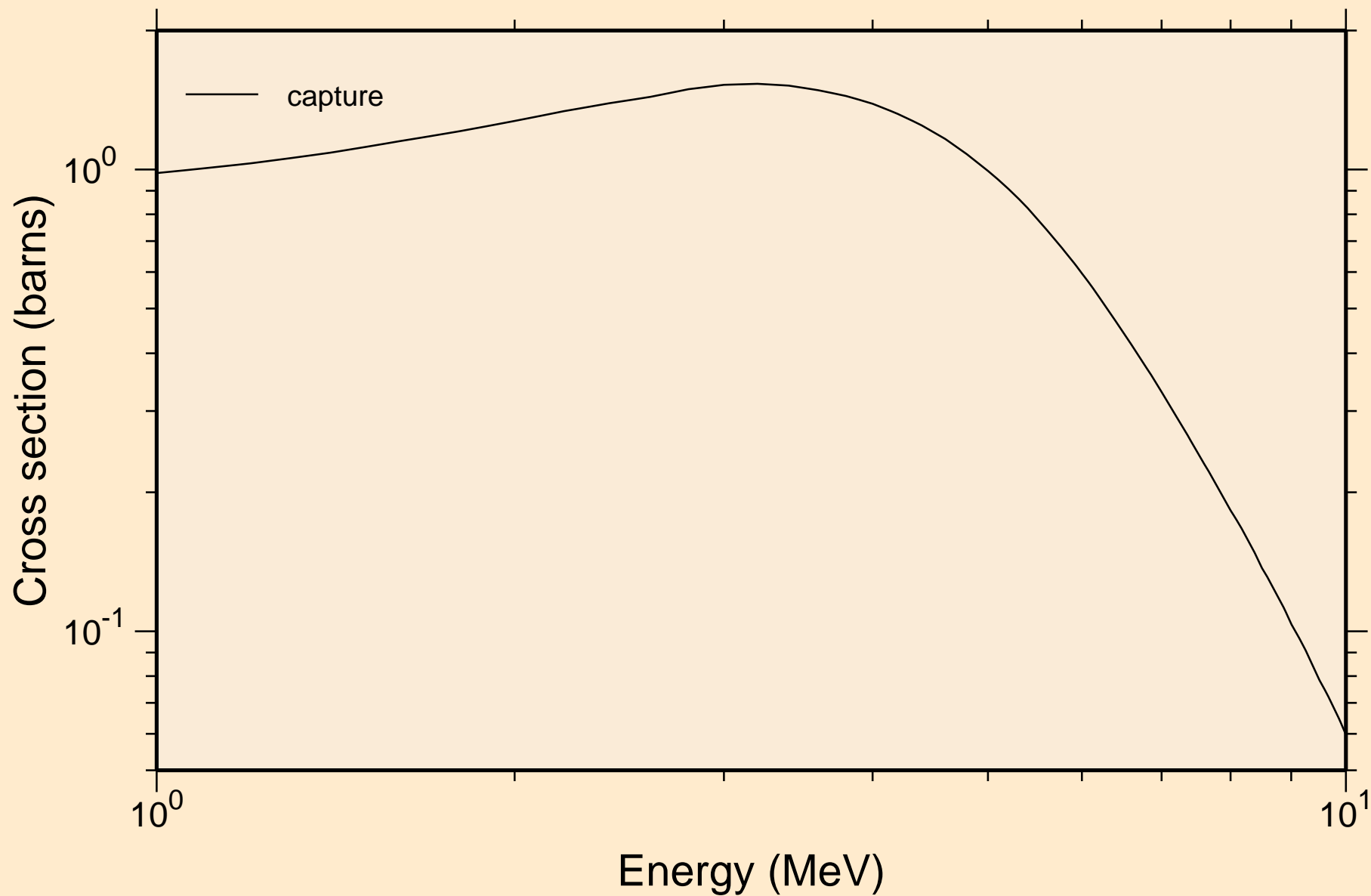
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



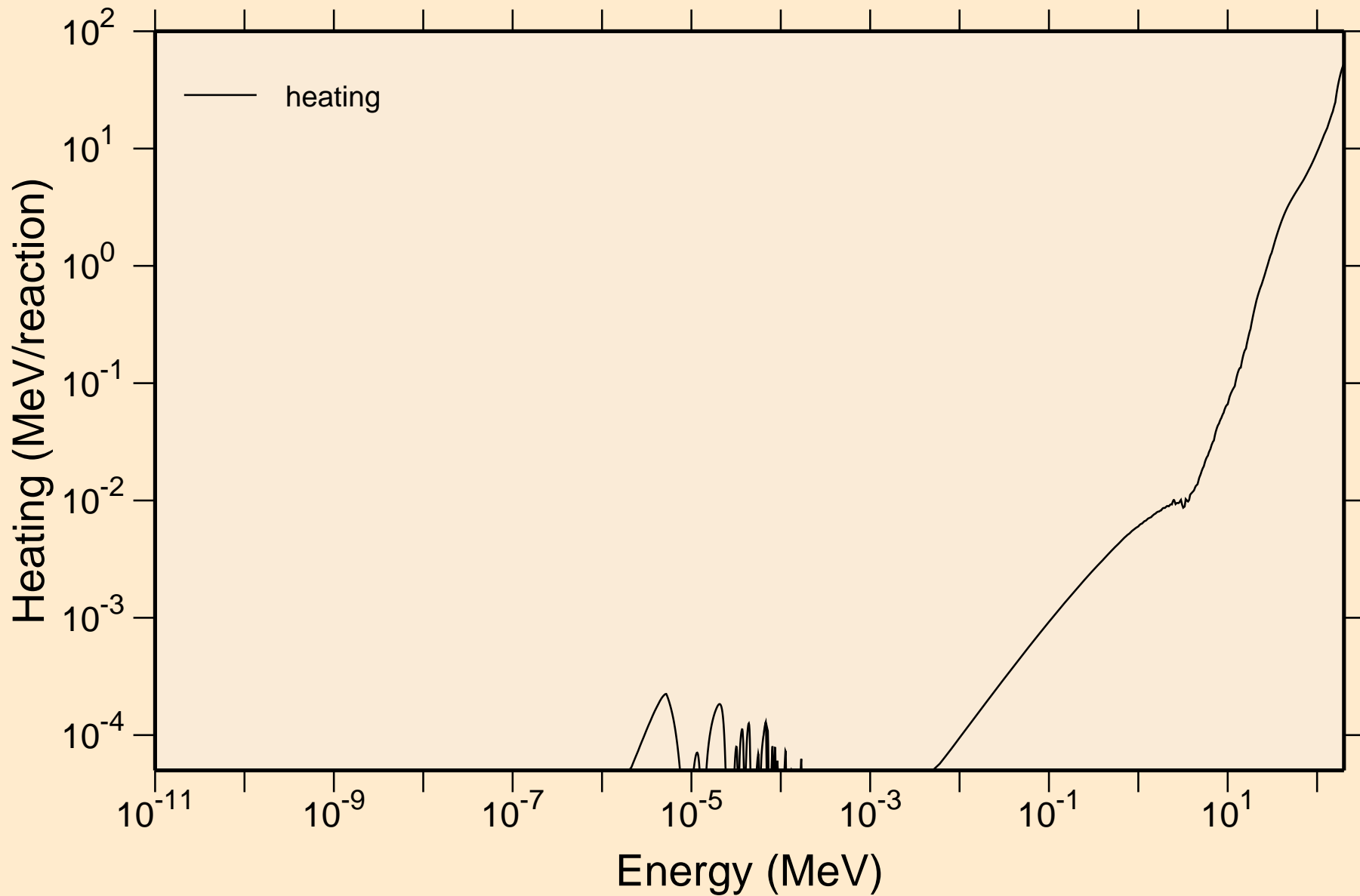
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resonance absorption cross sections



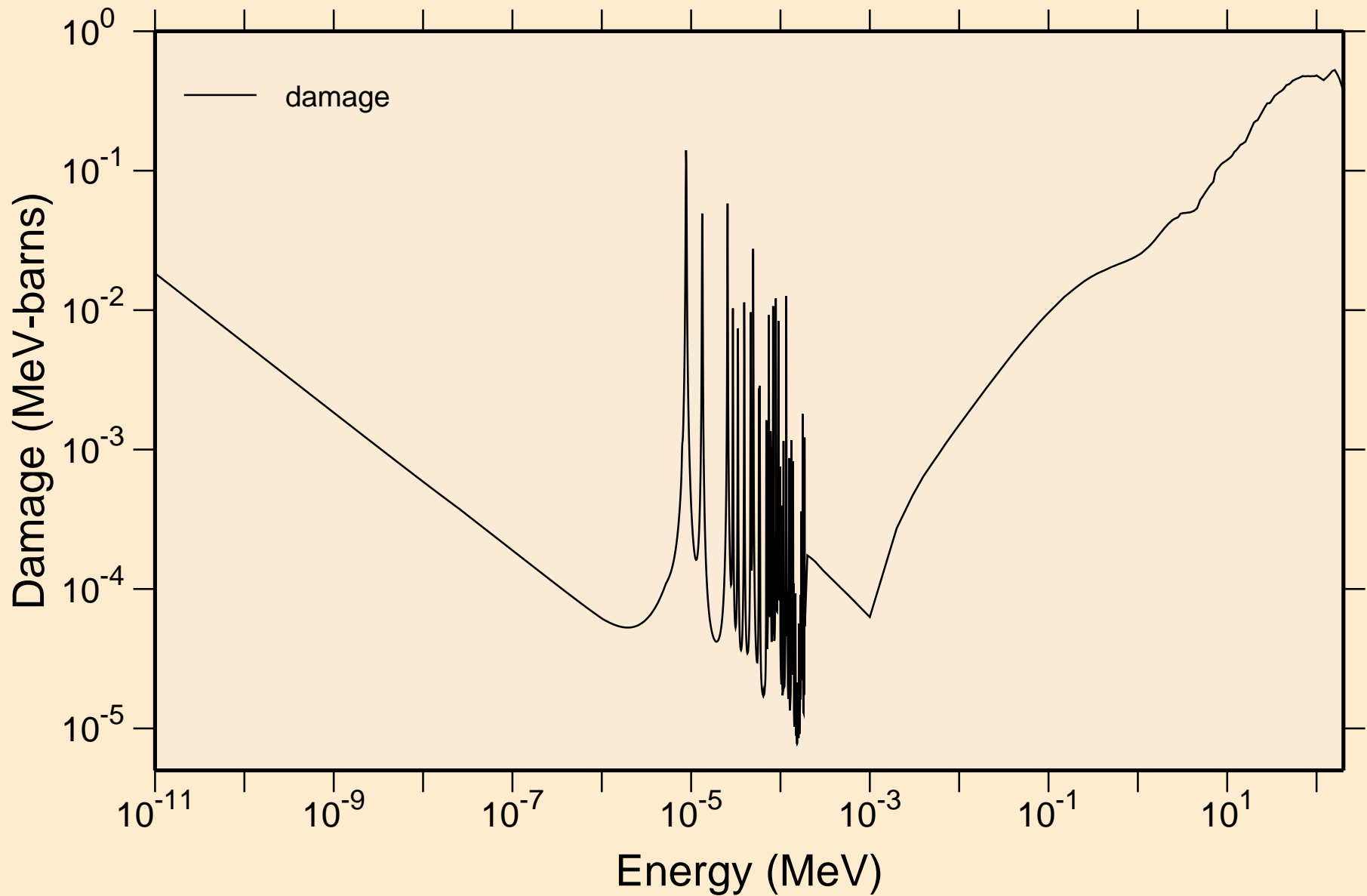
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

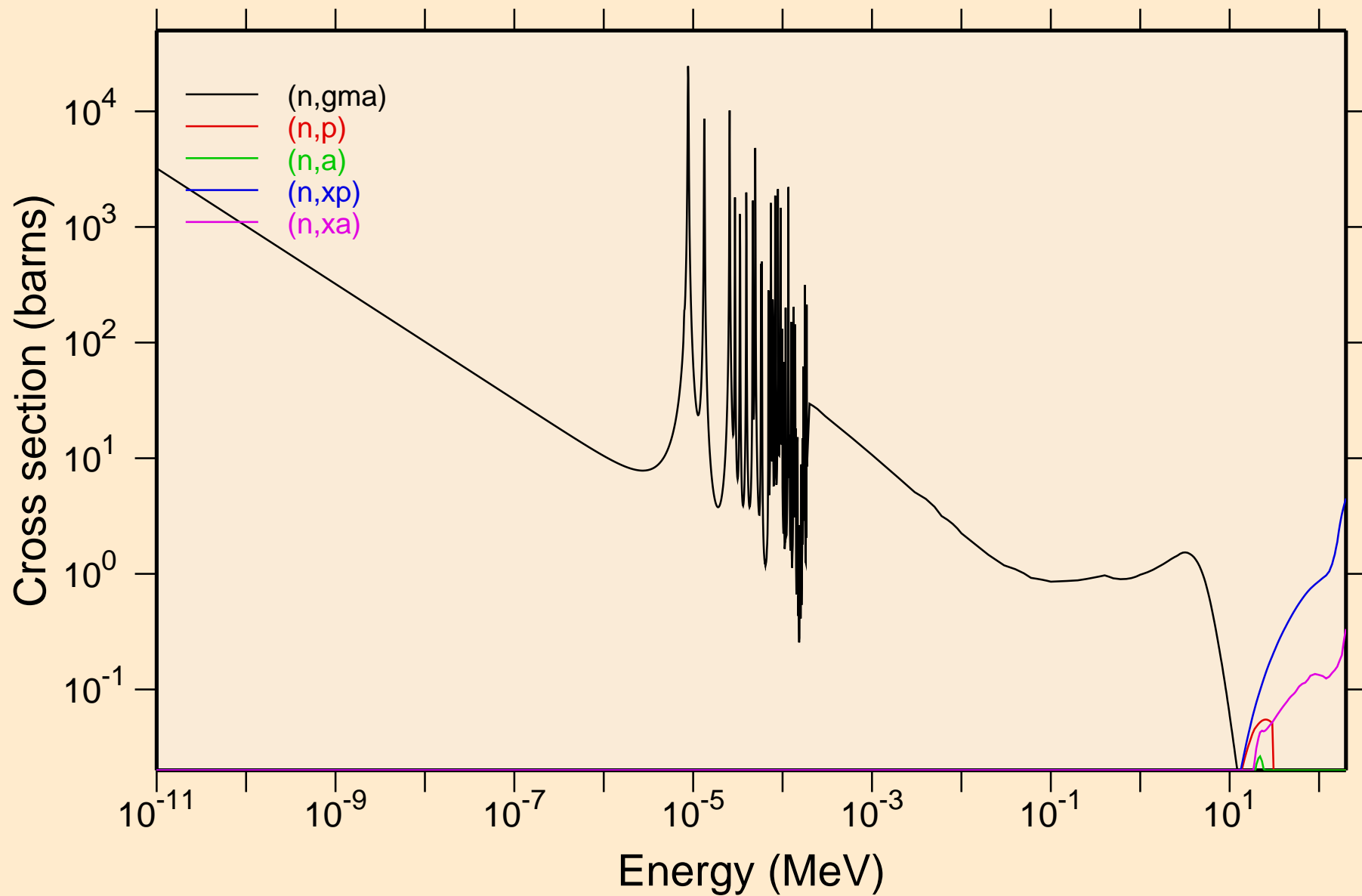


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



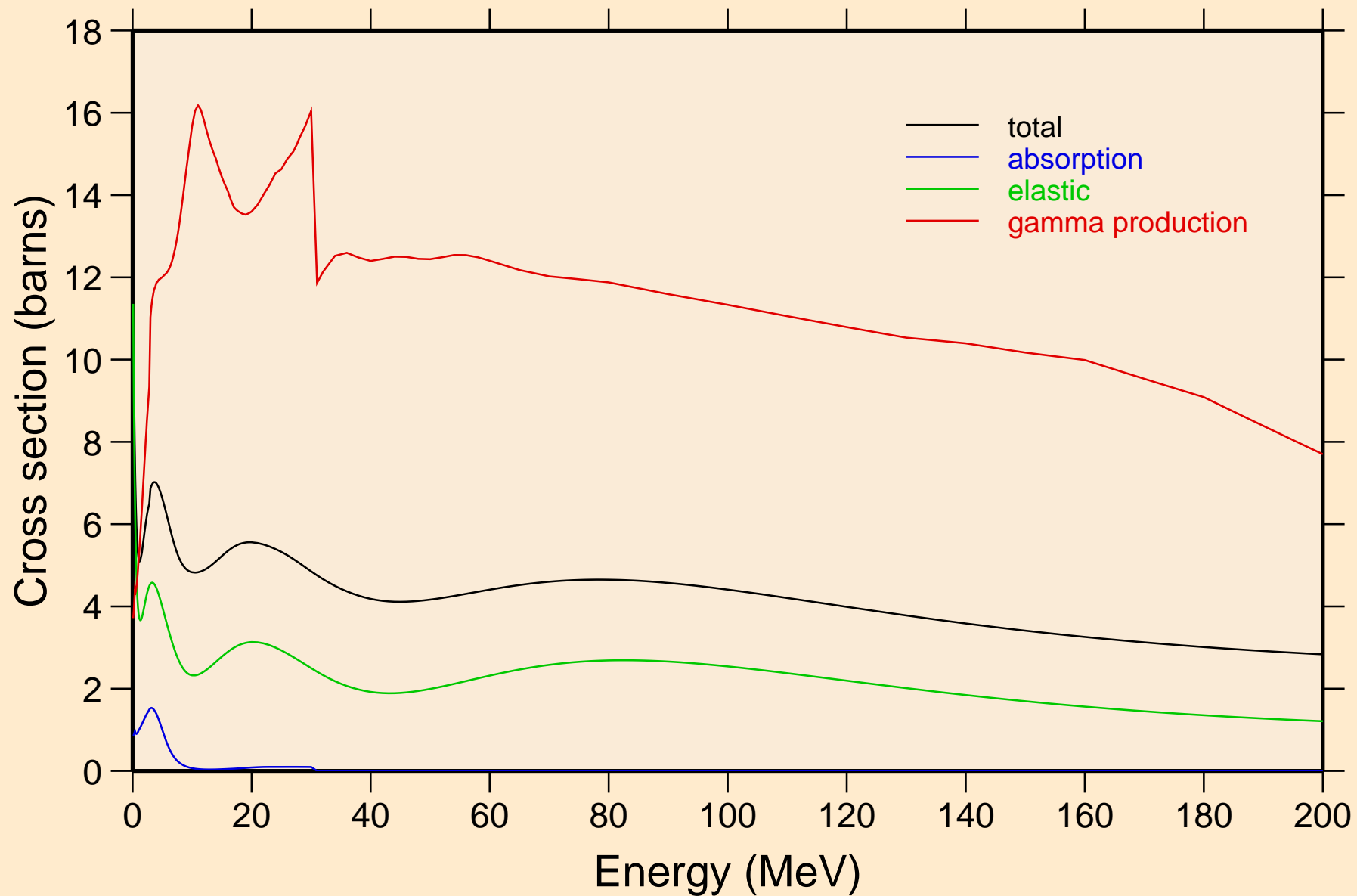
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

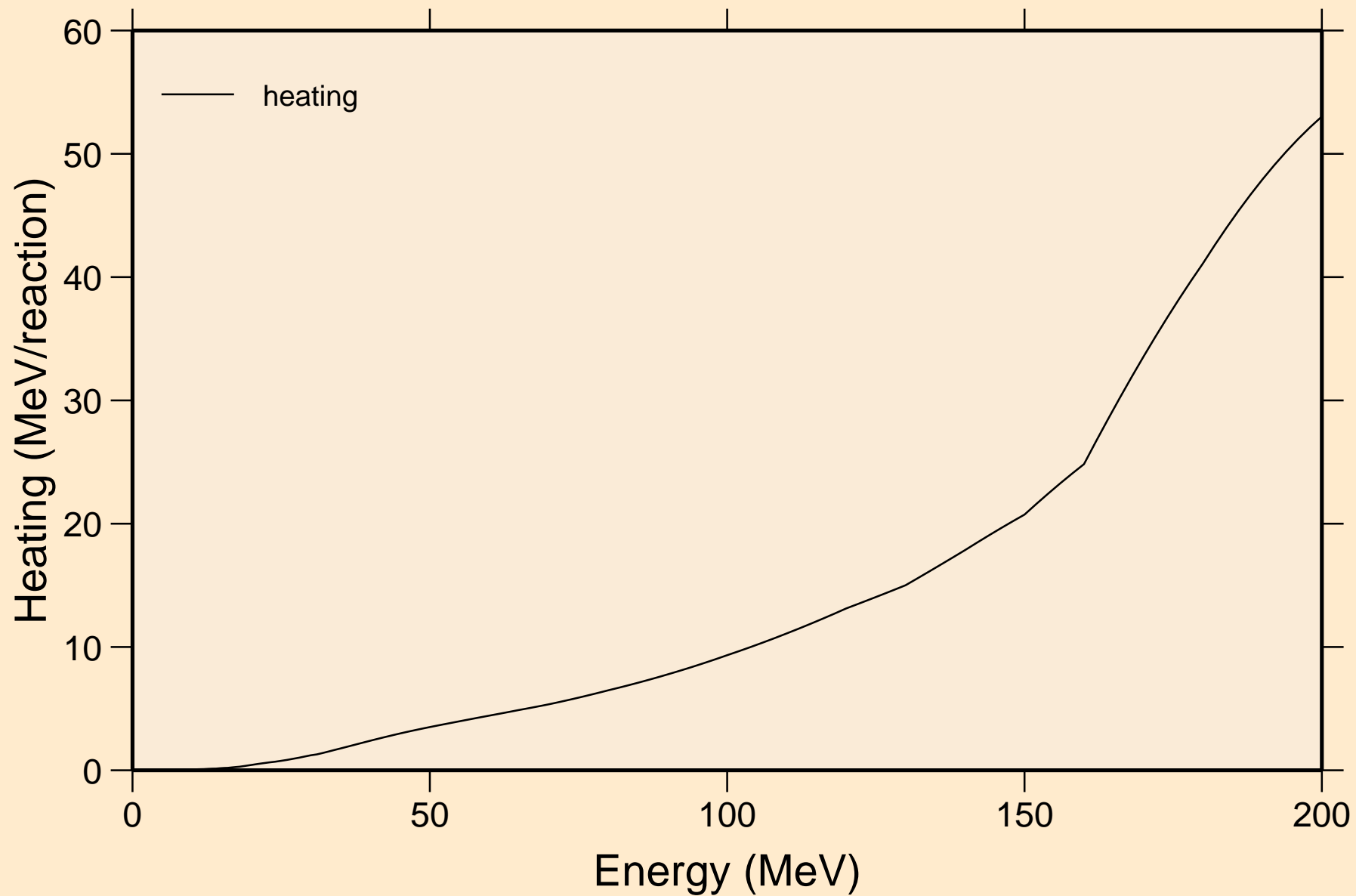


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

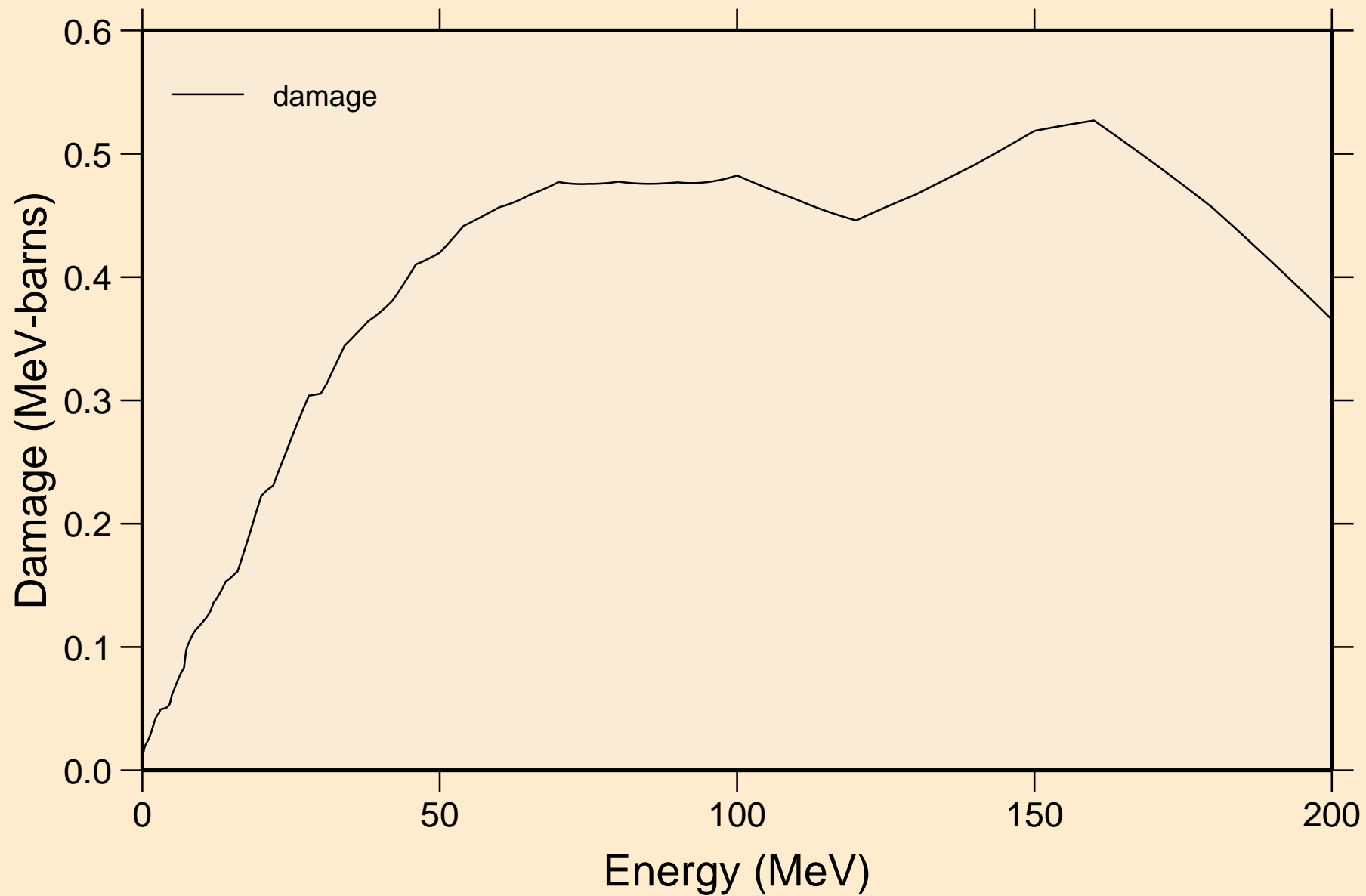
Principal cross sections



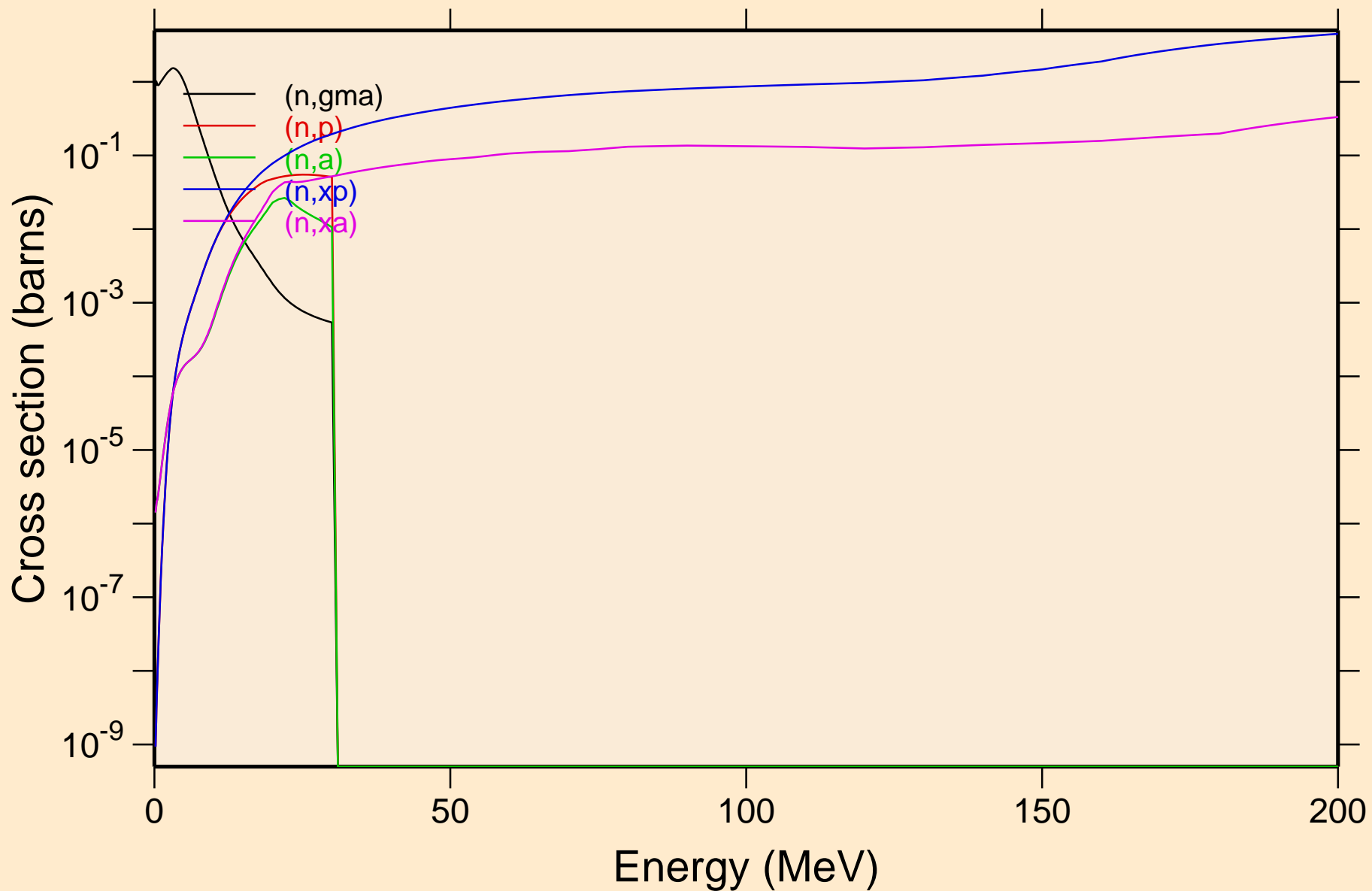
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



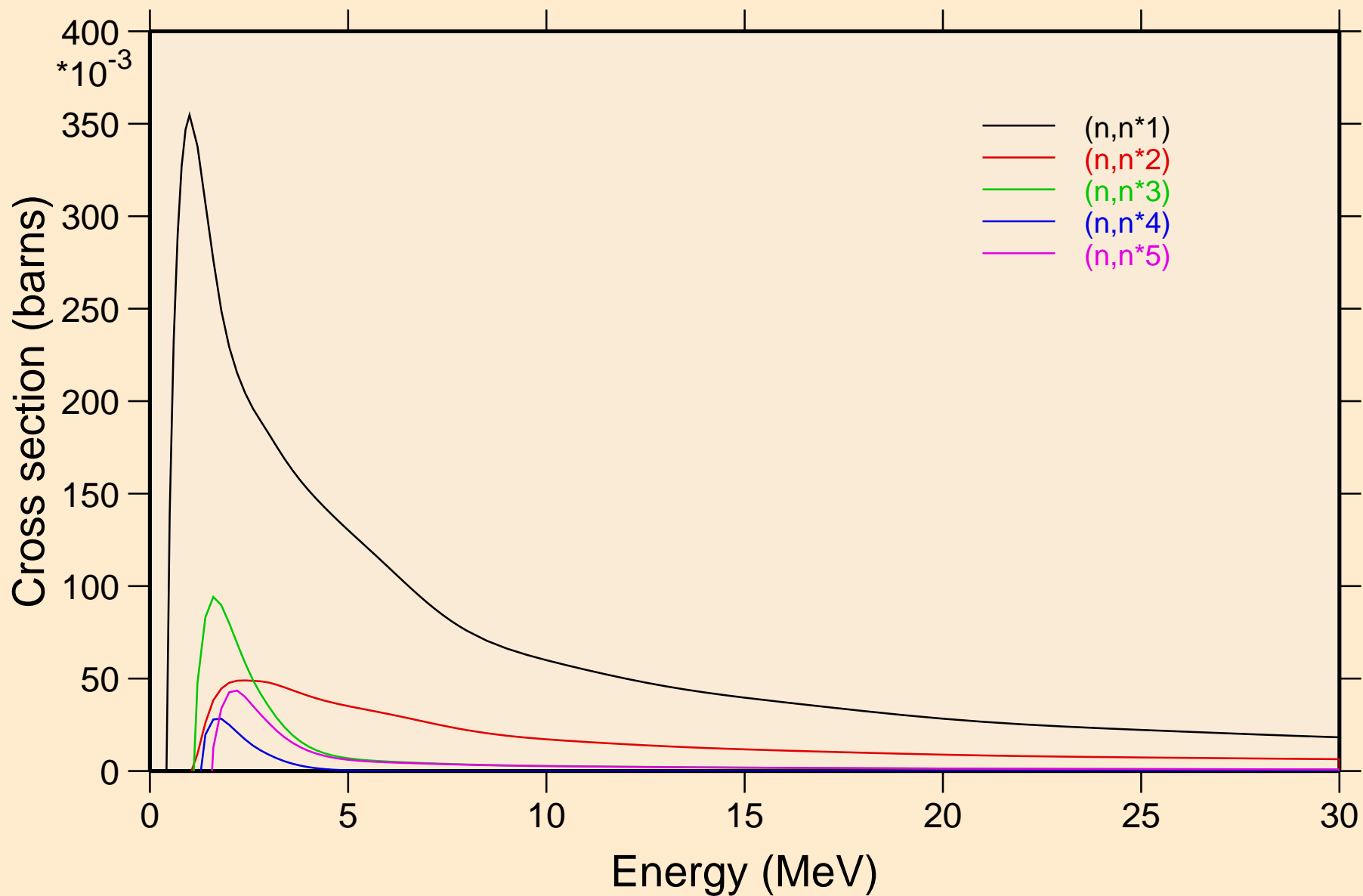
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



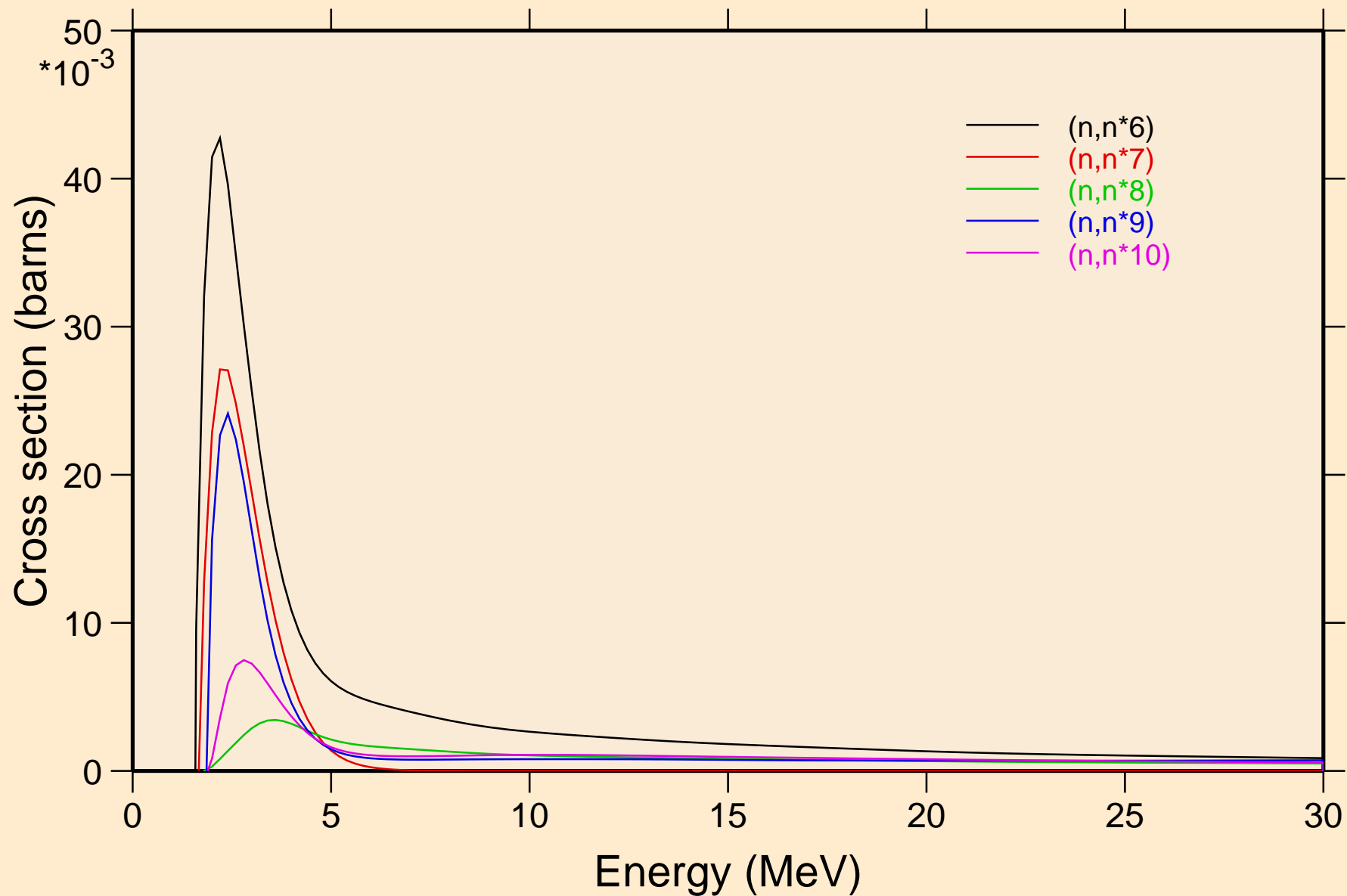
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



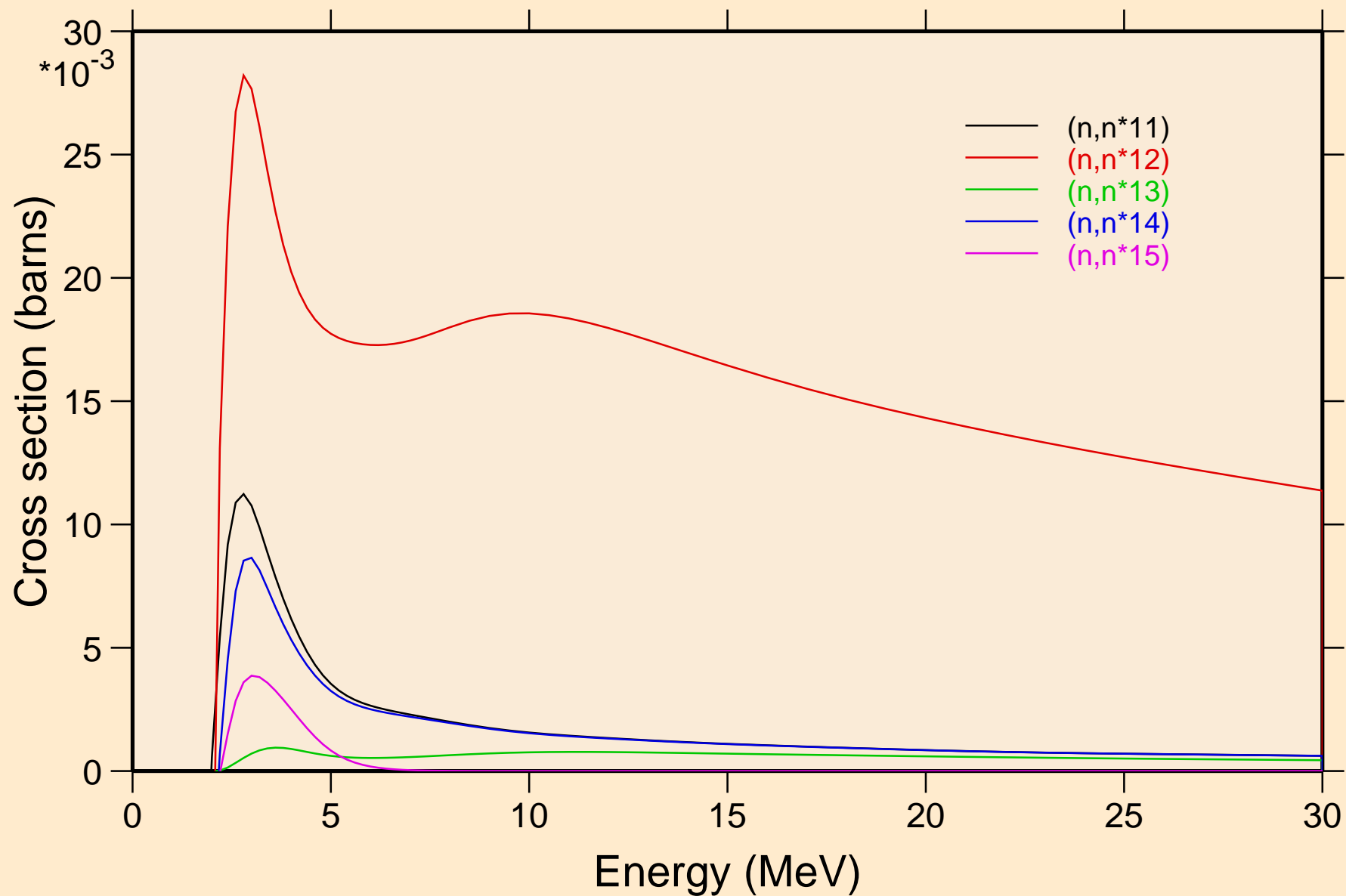
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



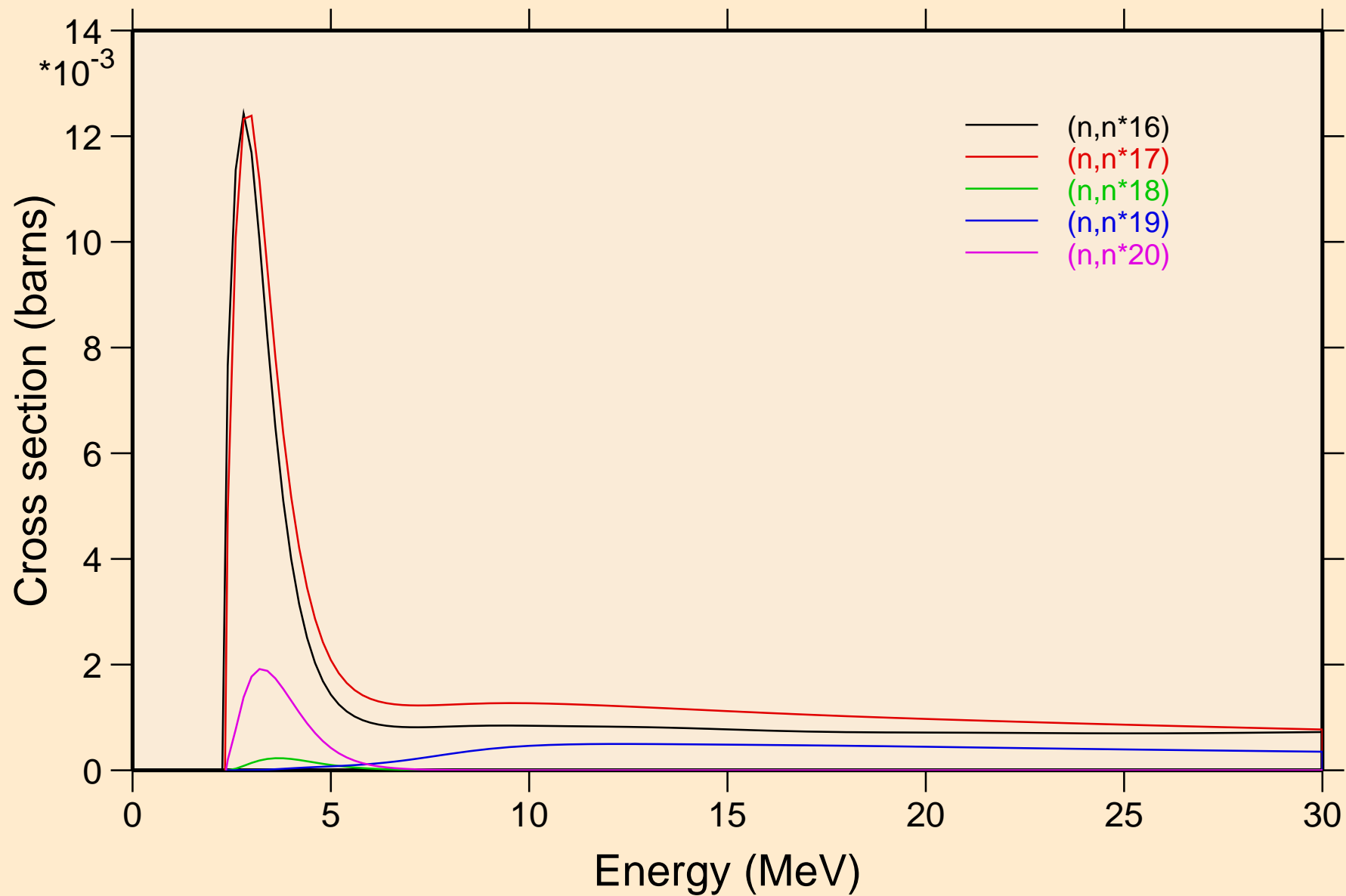
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



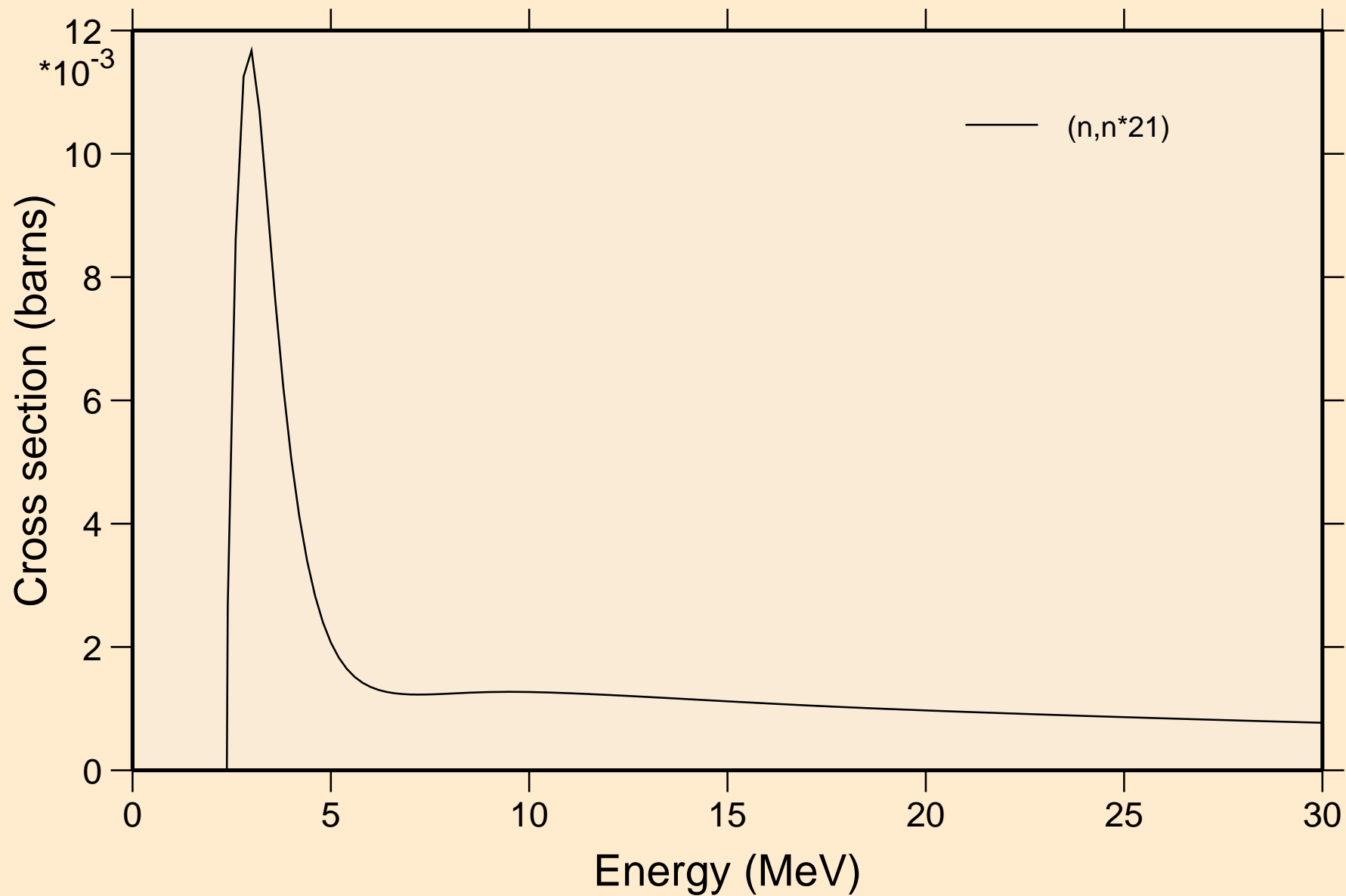
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

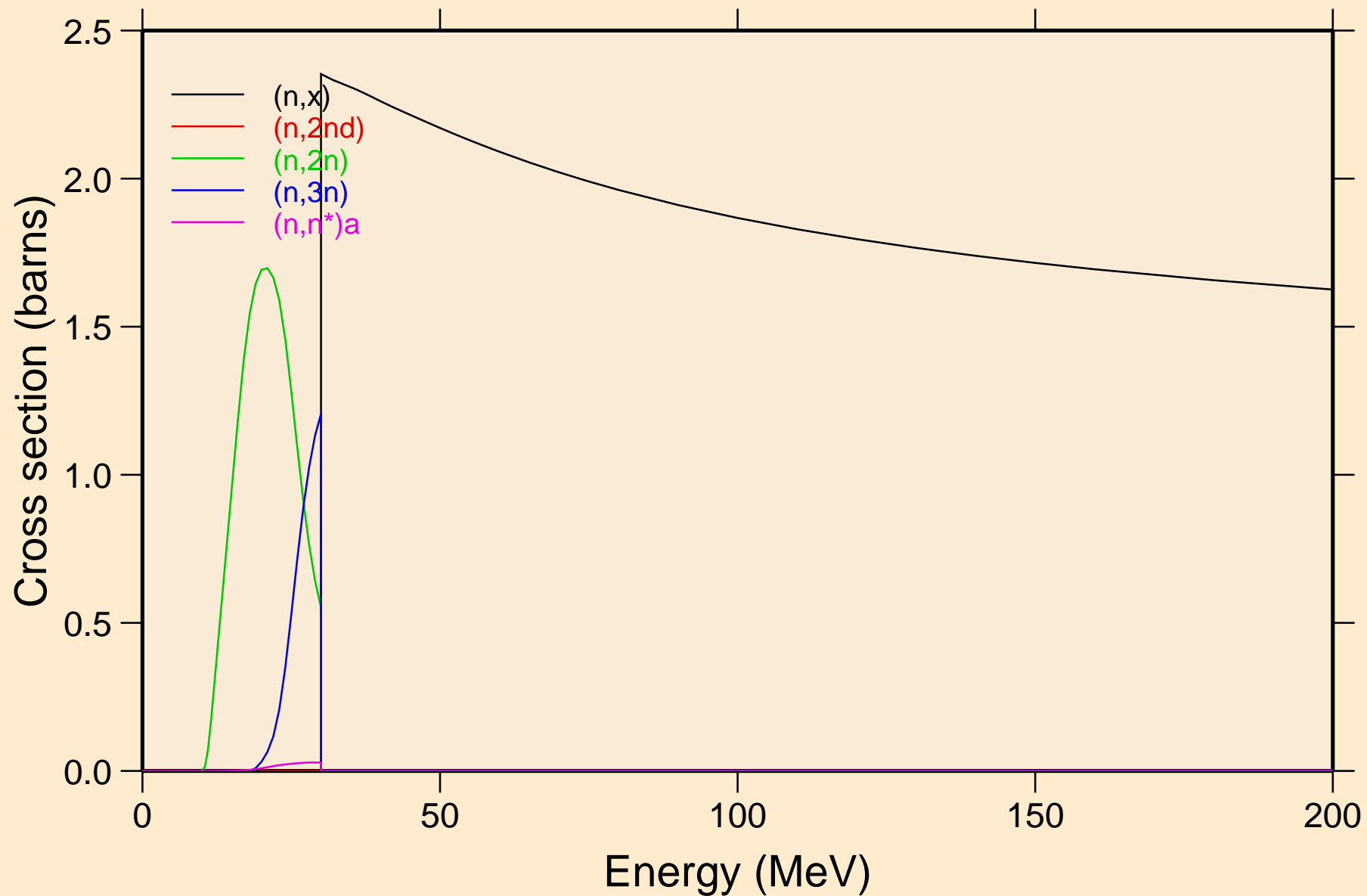


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



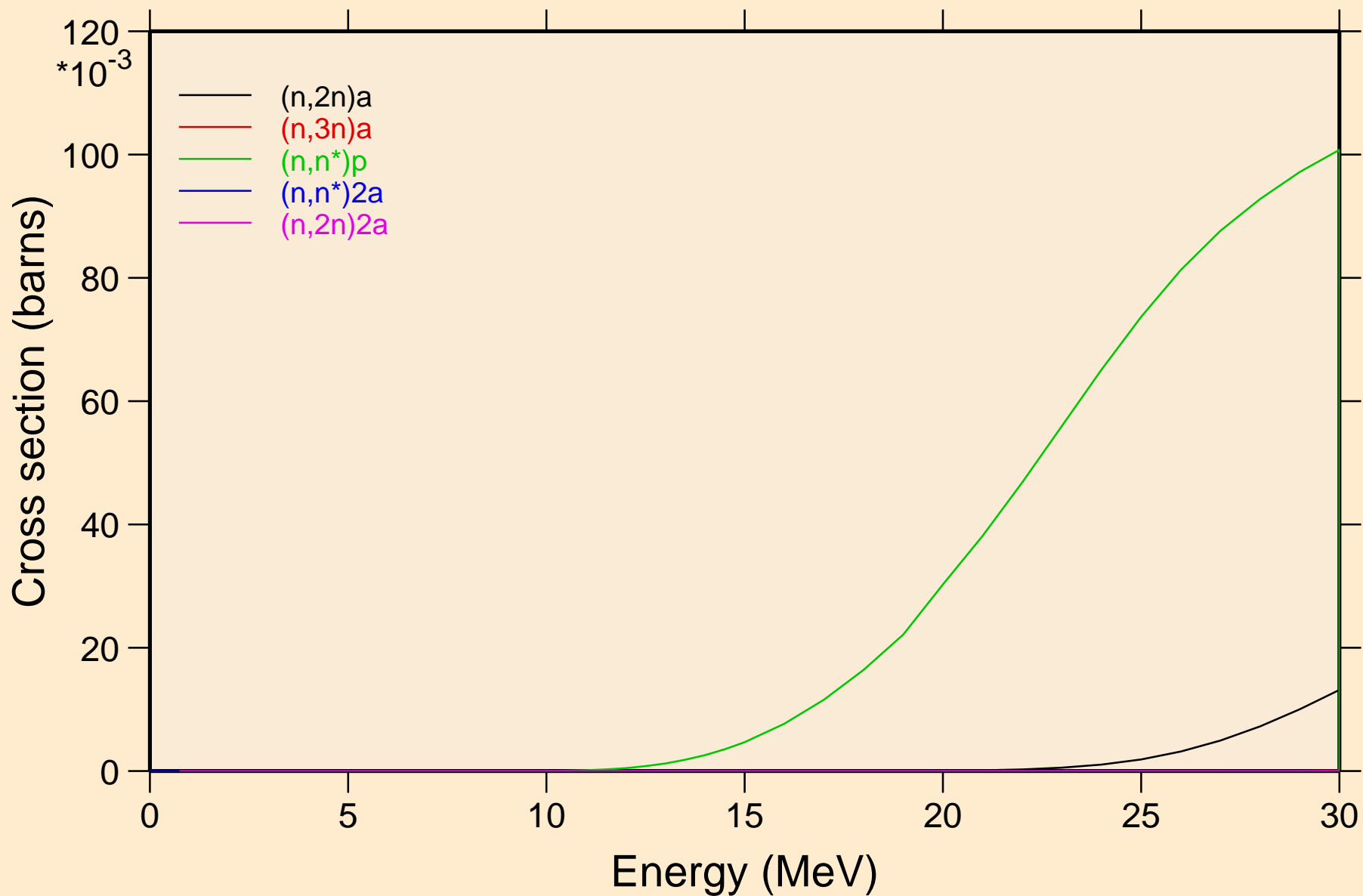
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



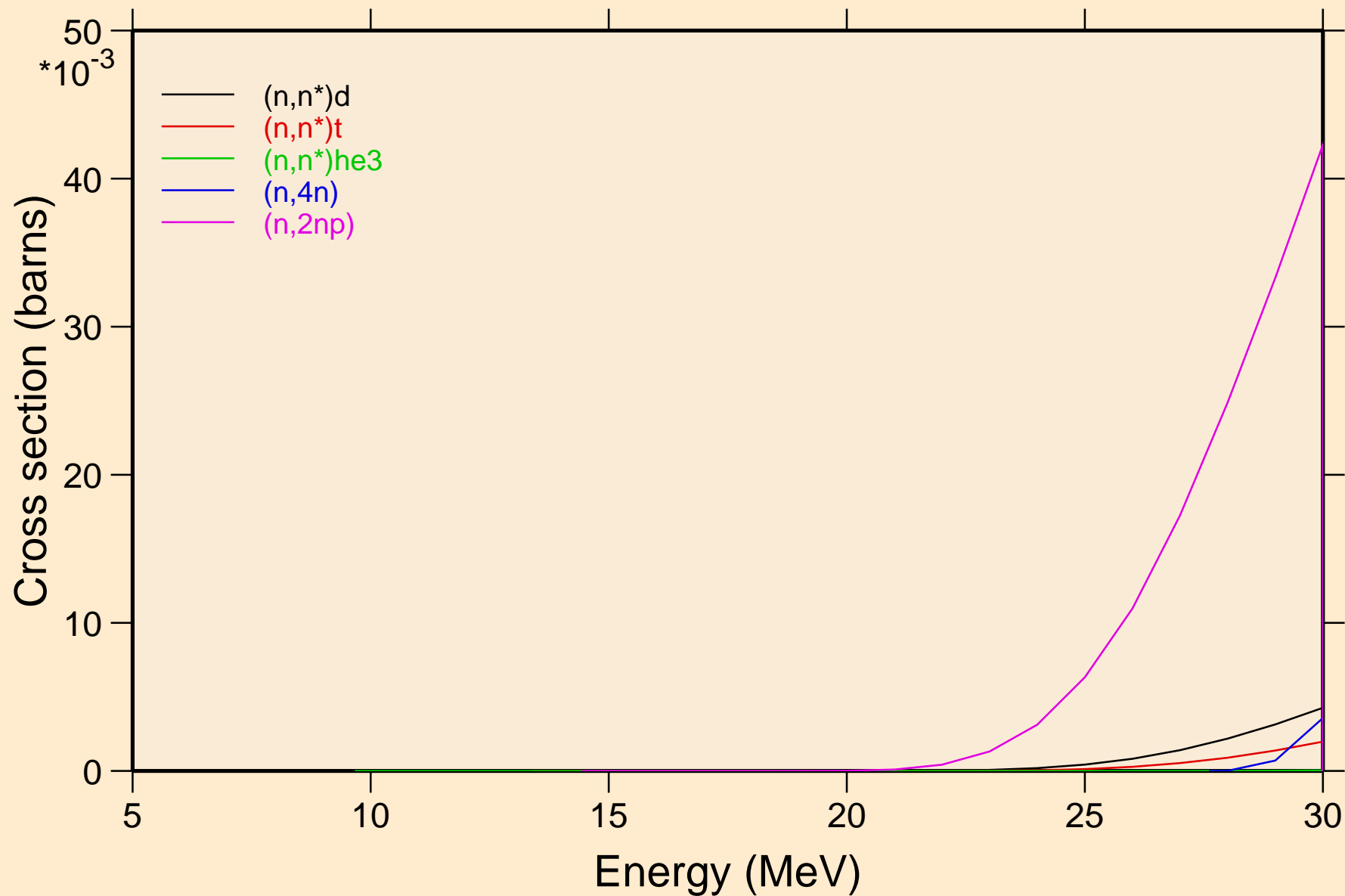
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



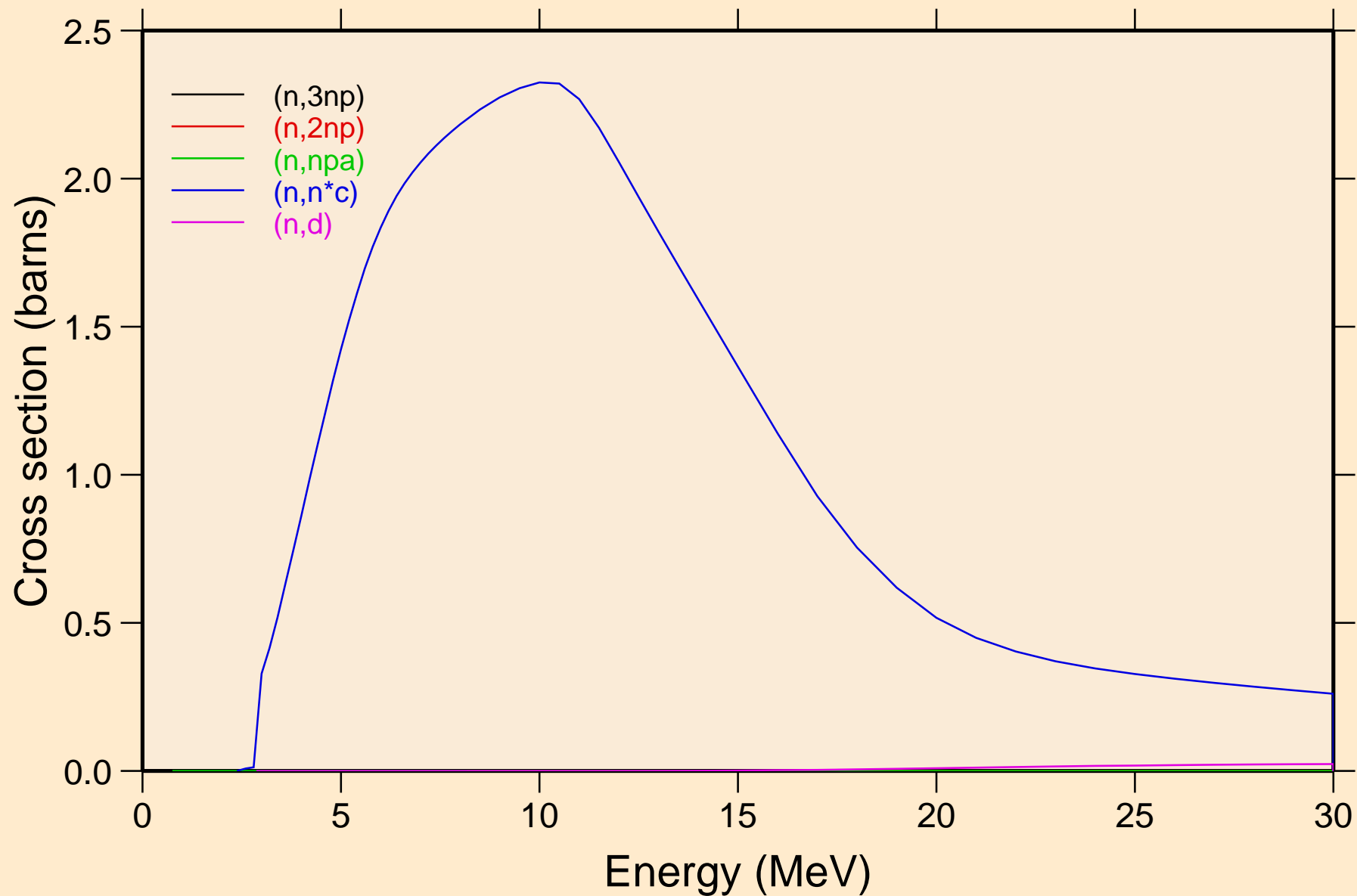
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



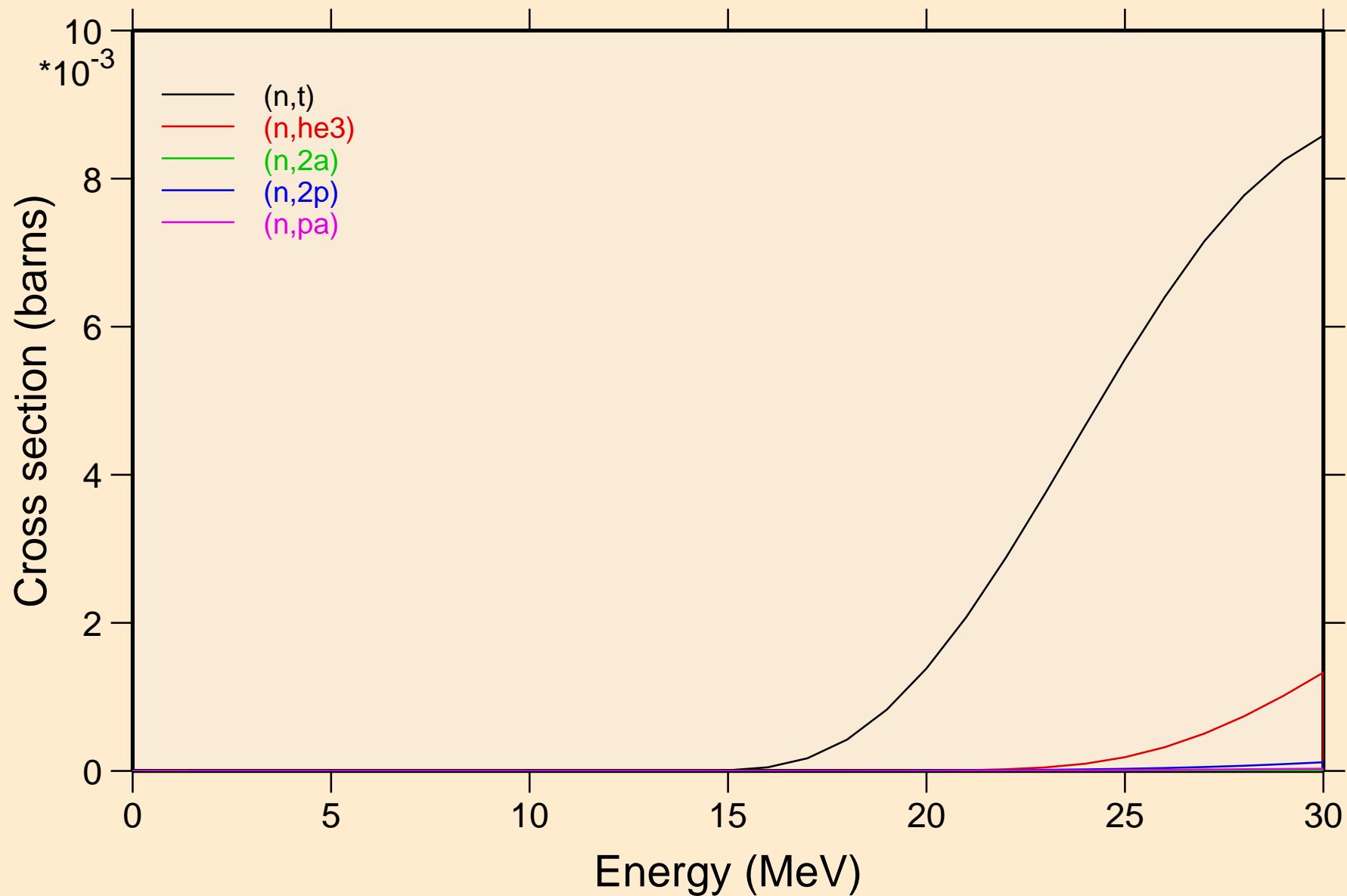
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Threshold reactions

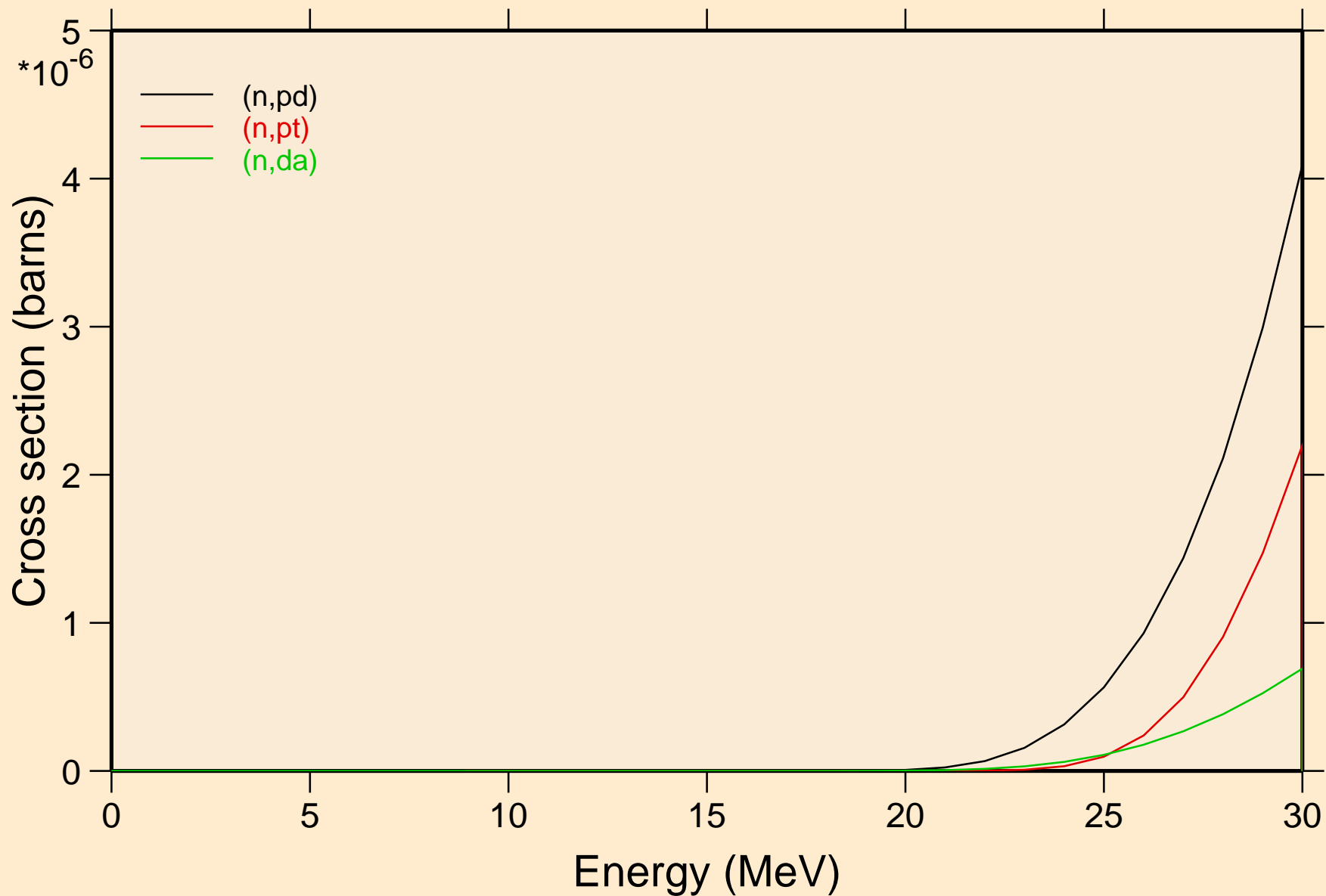


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

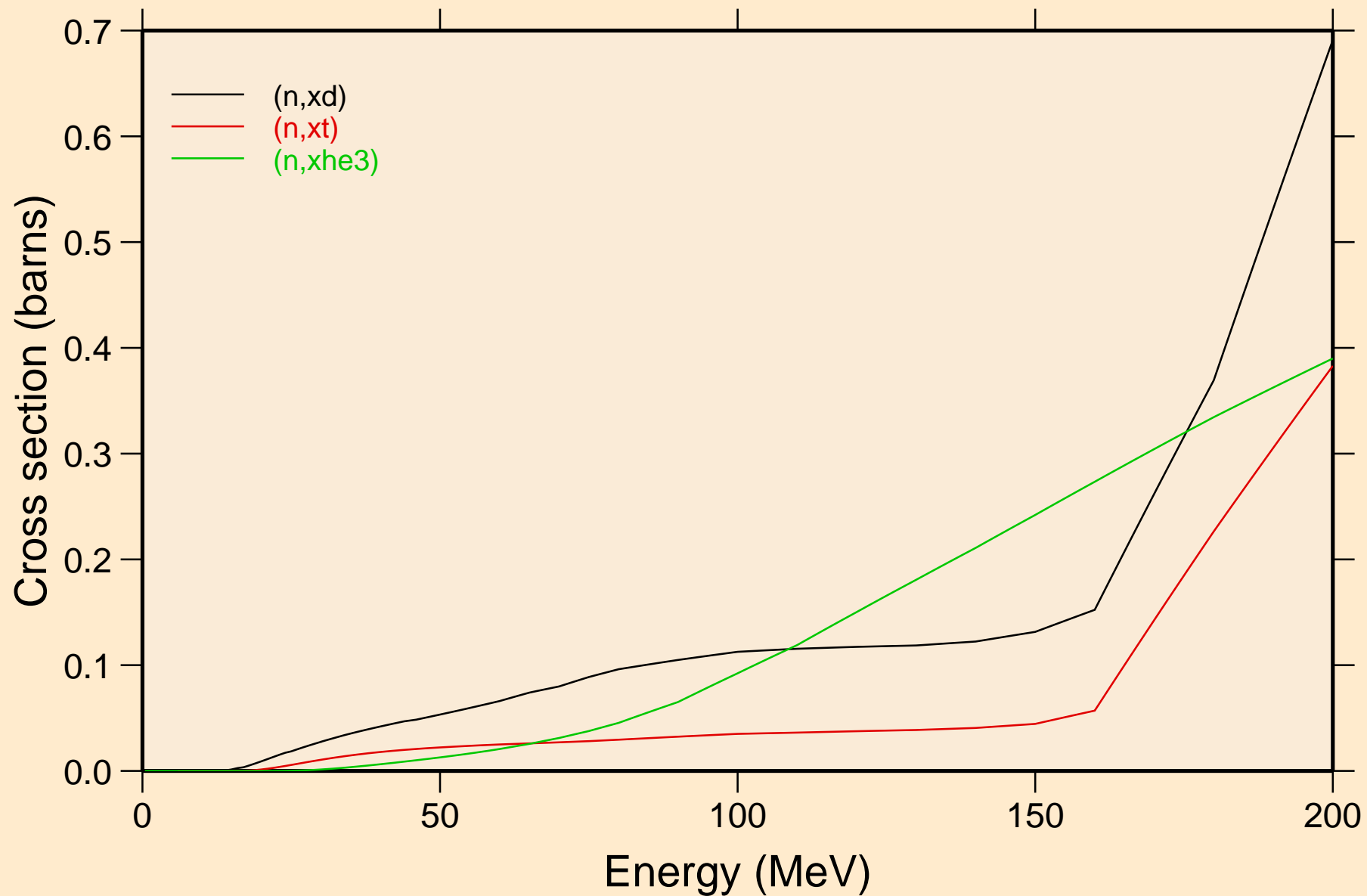


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

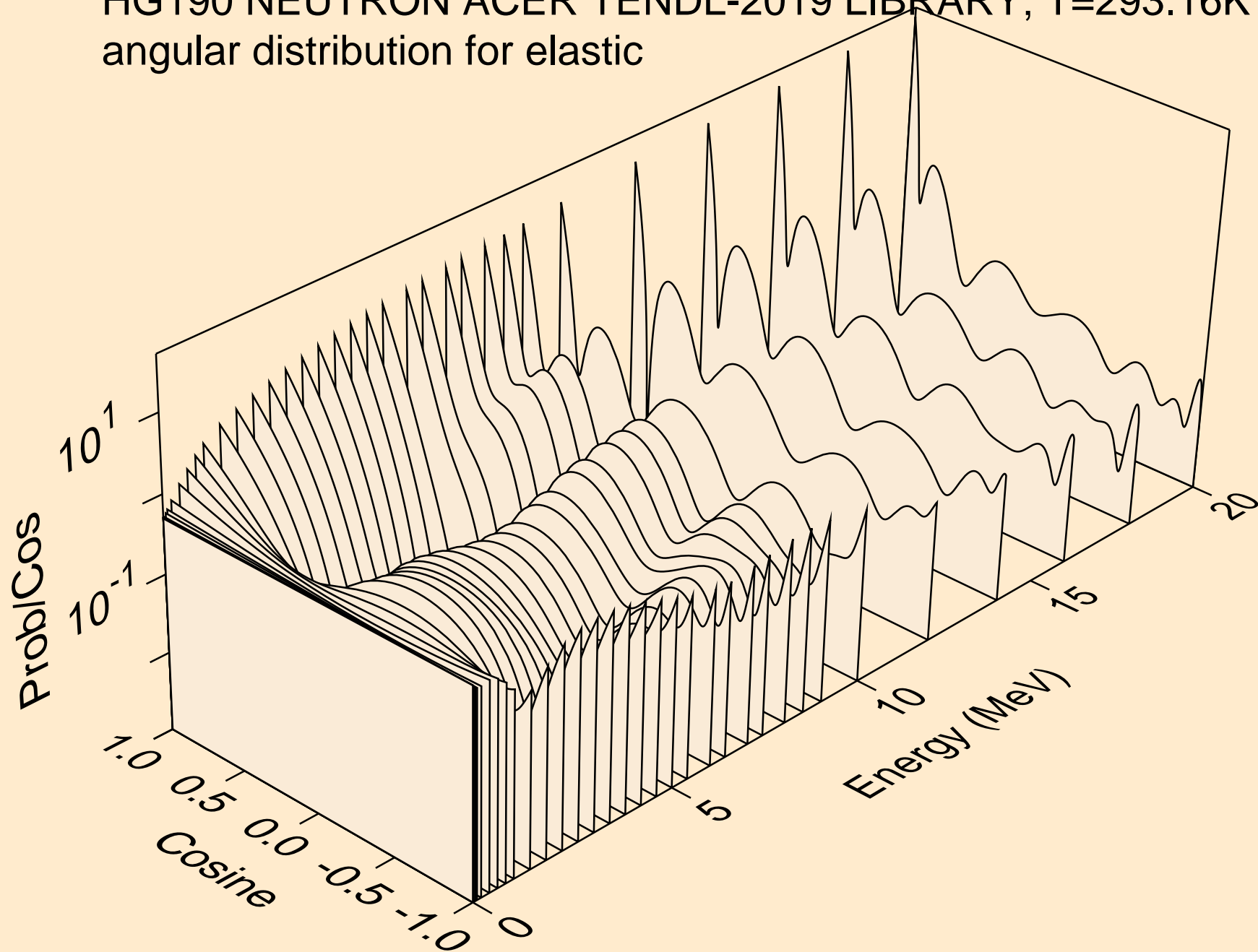


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

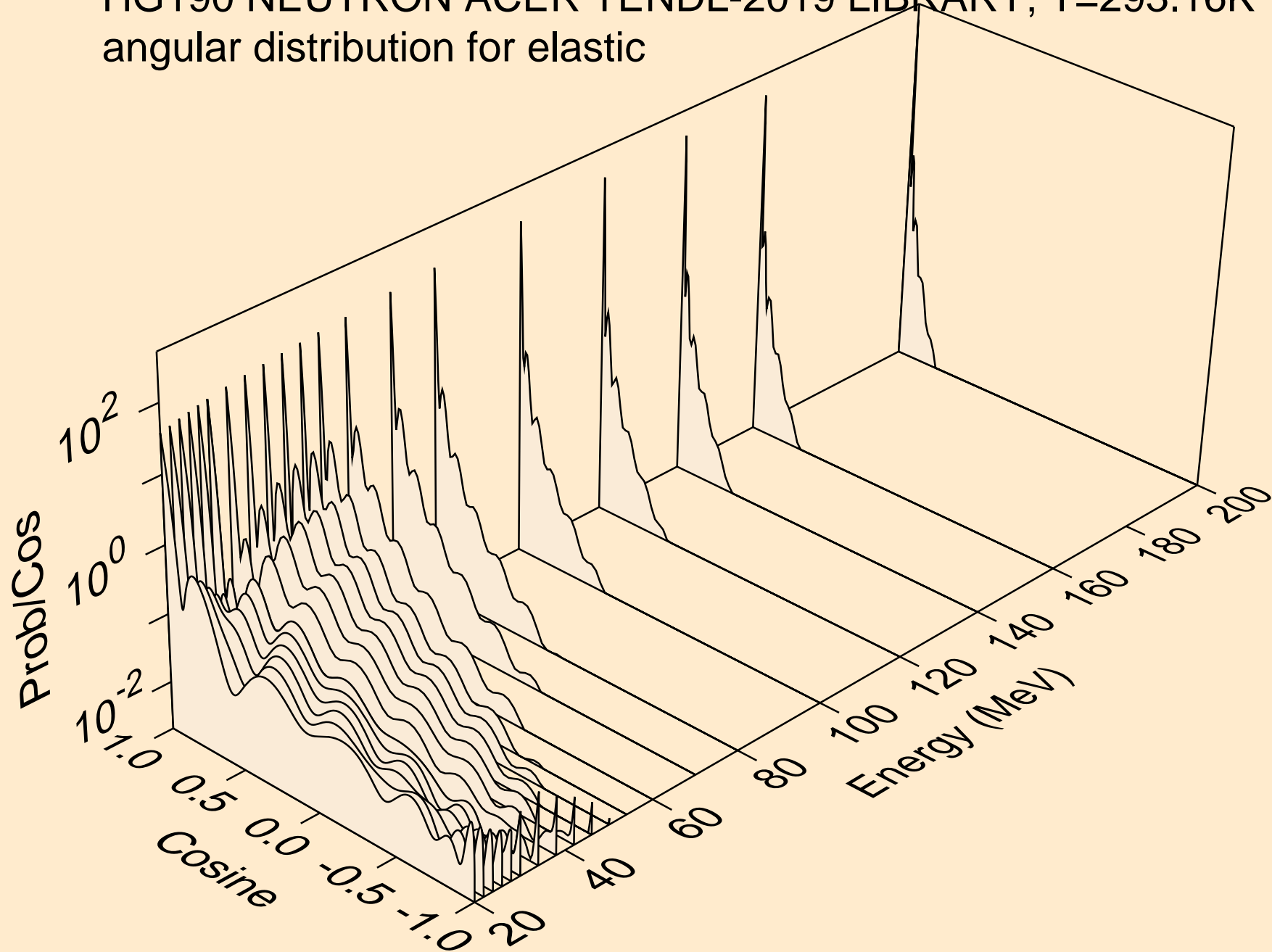
Threshold reactions



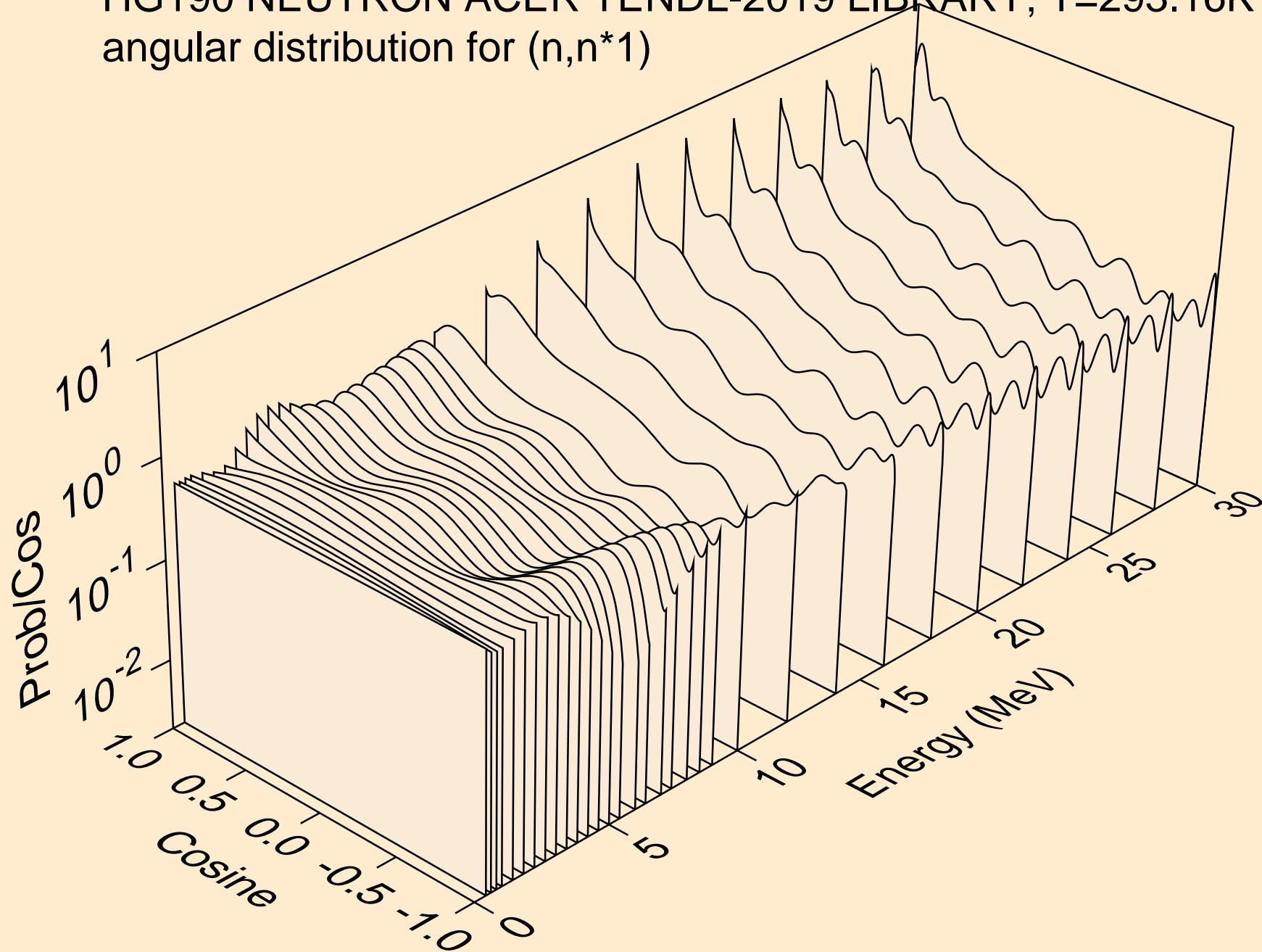
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



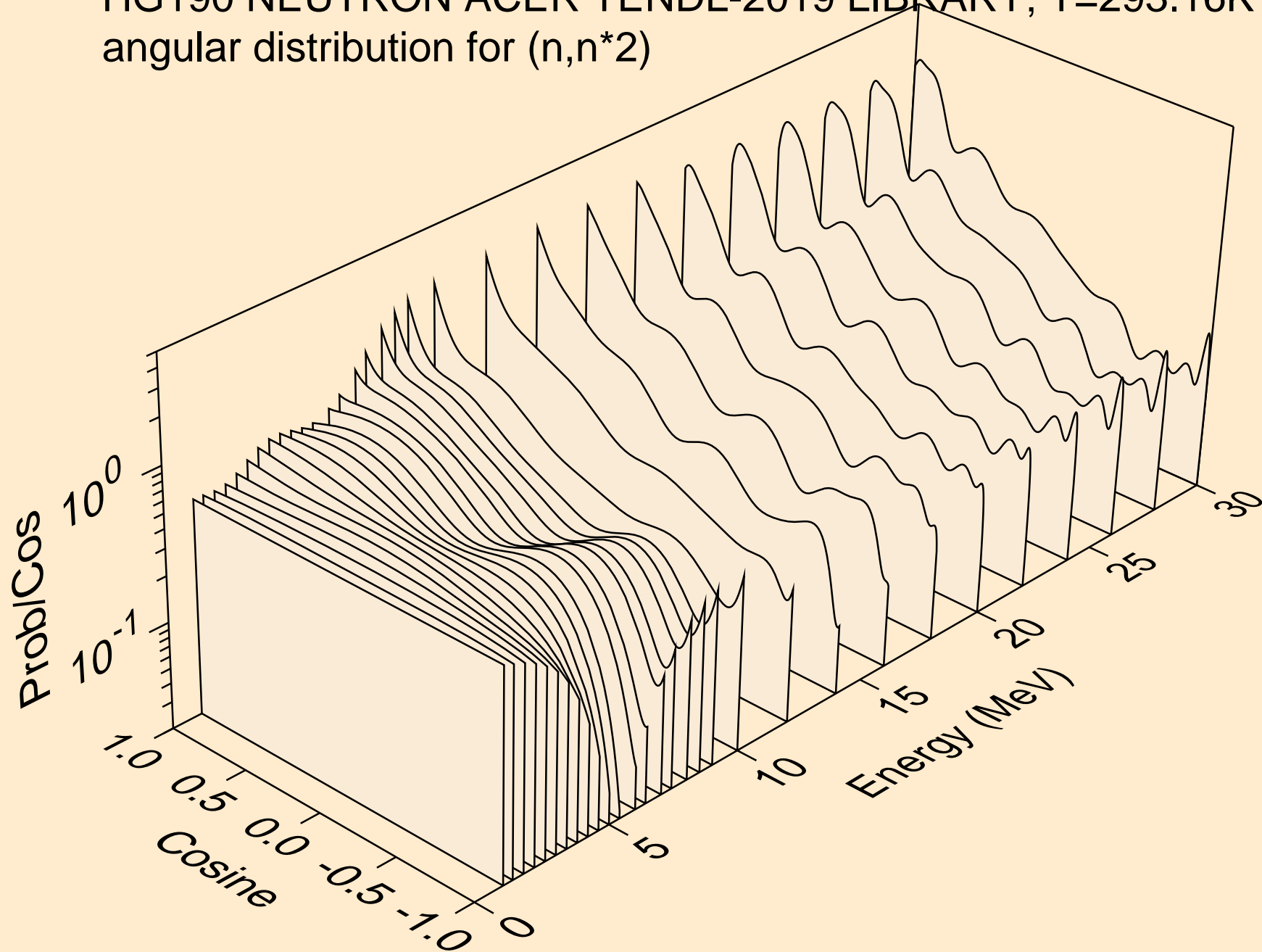
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



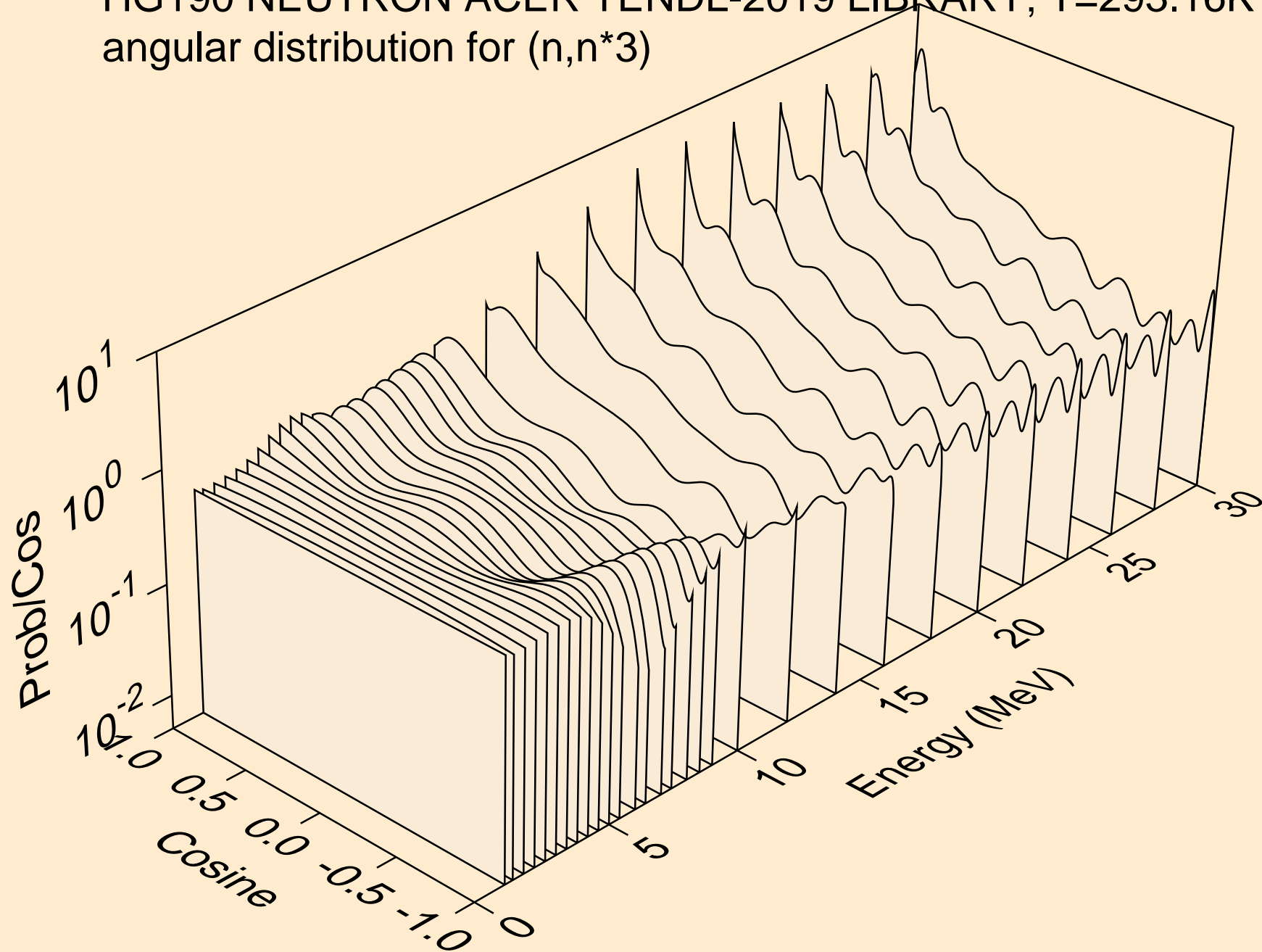
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



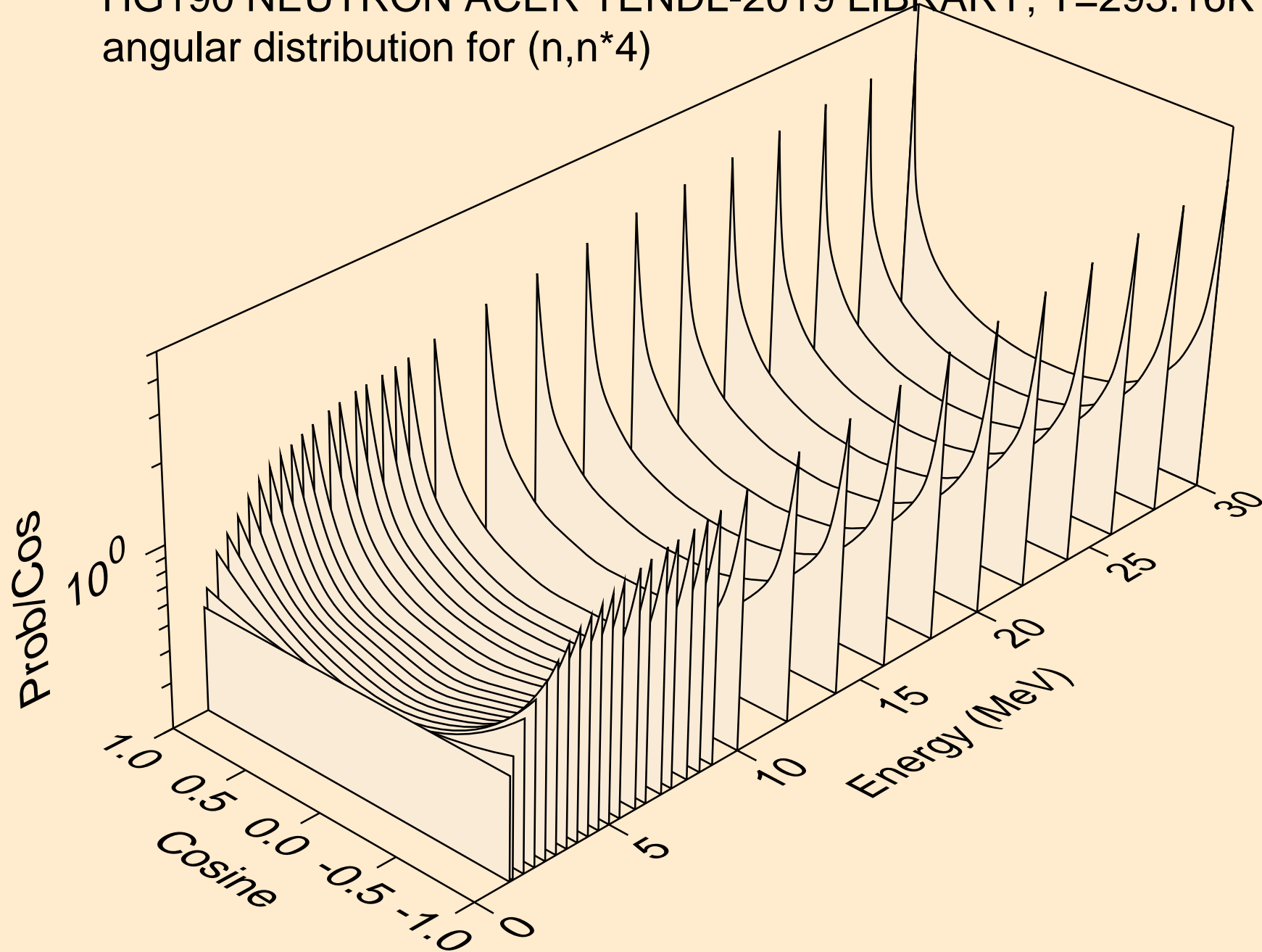
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



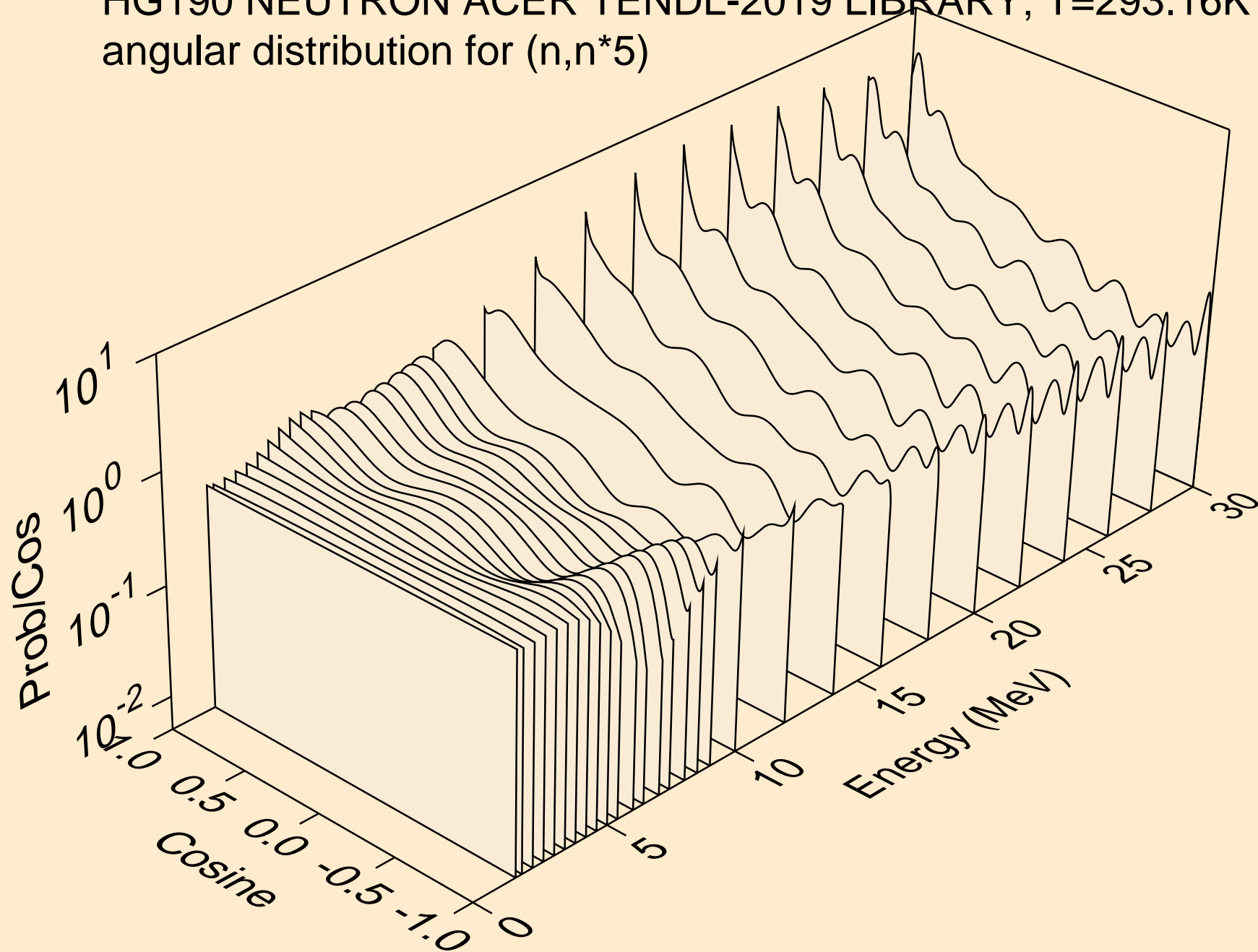
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



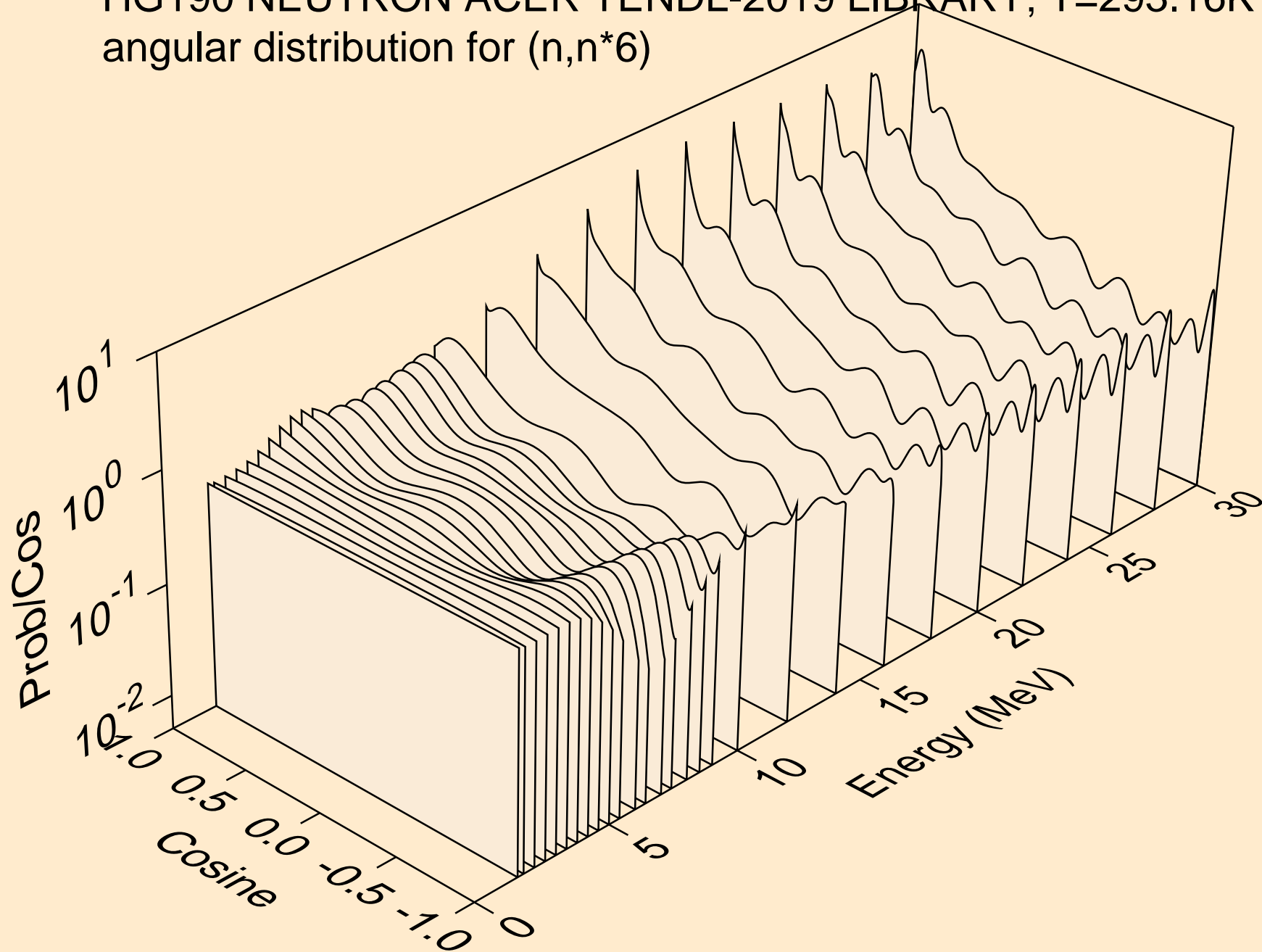
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



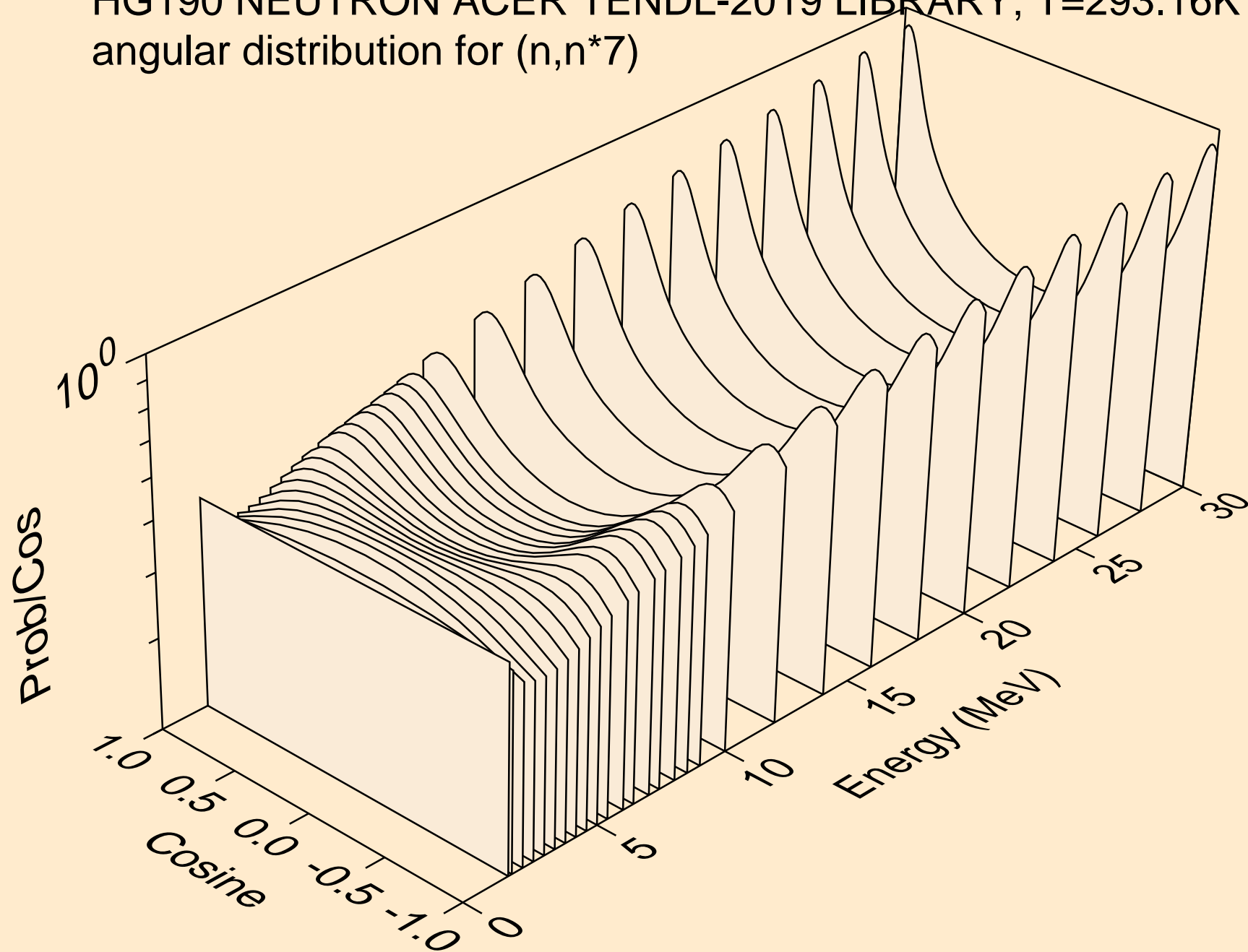
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



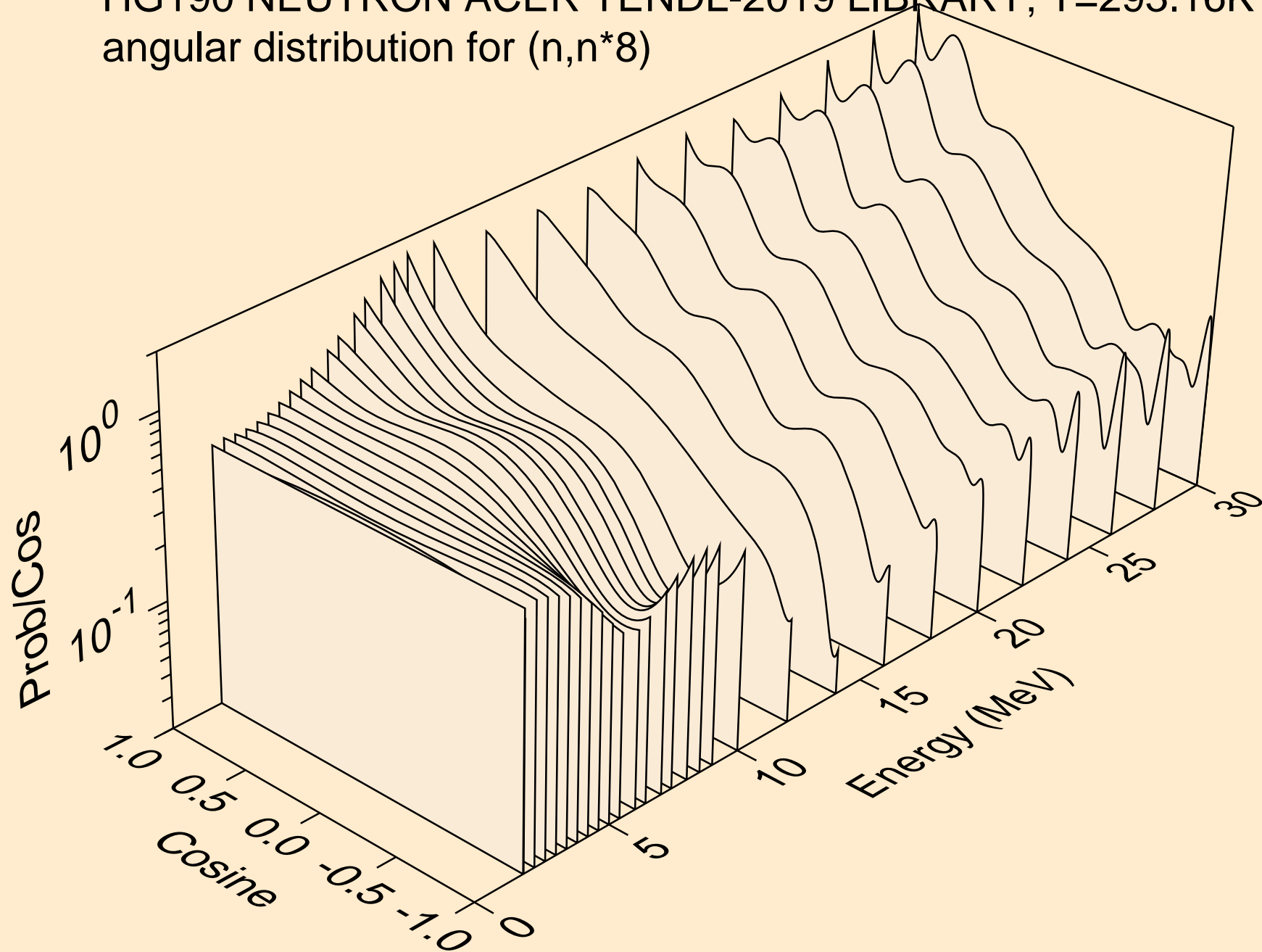
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



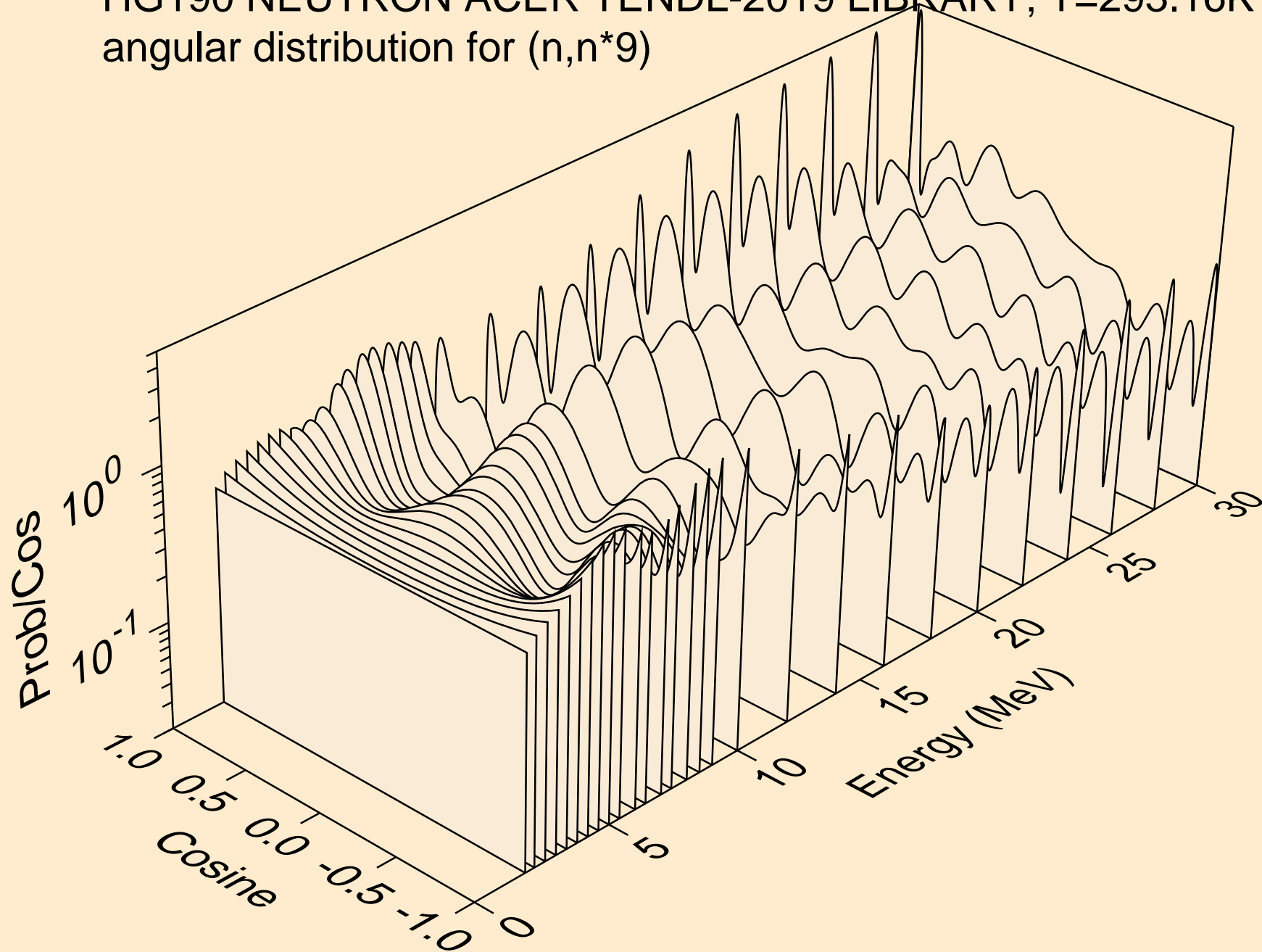
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*7)



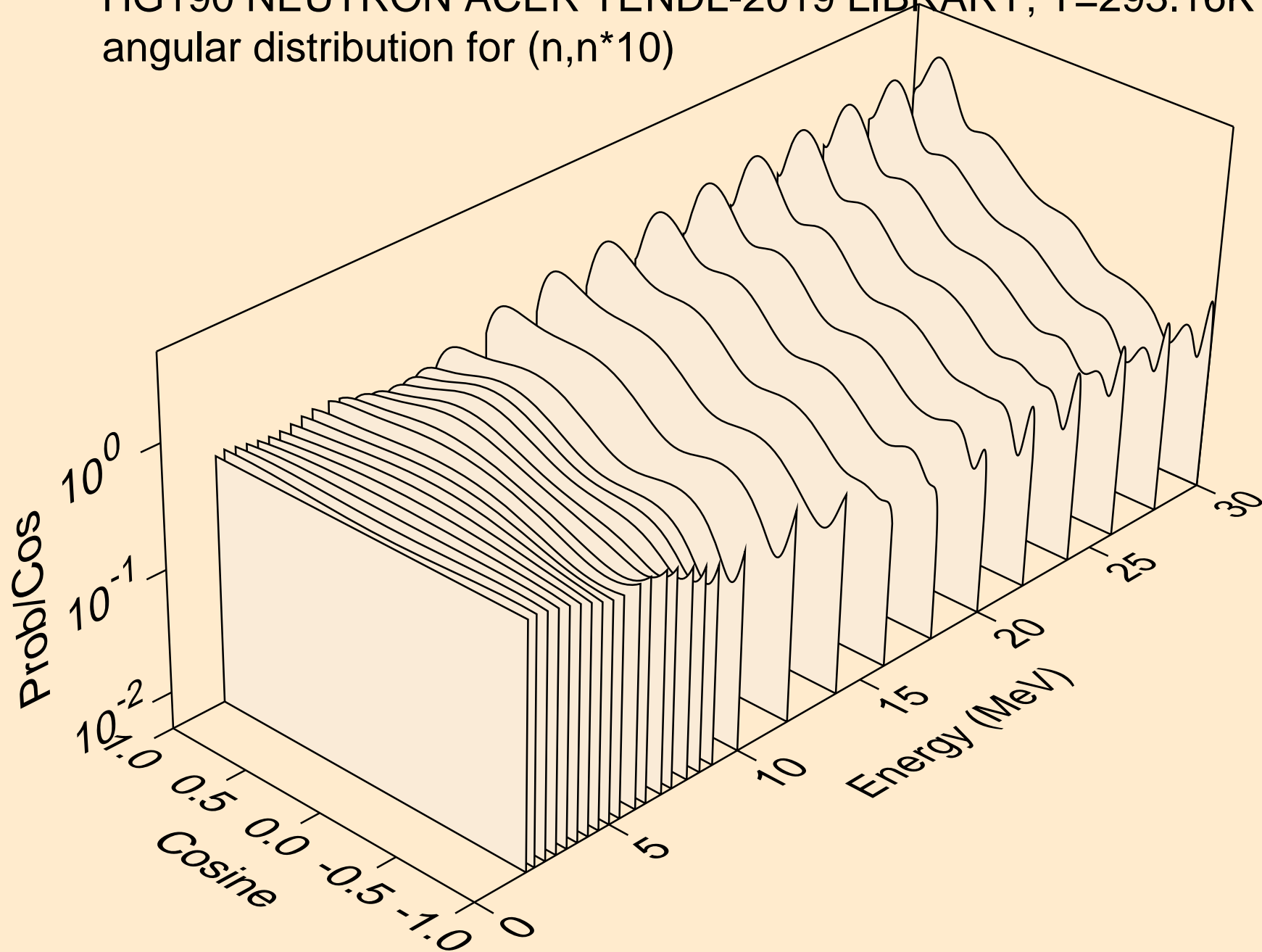
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



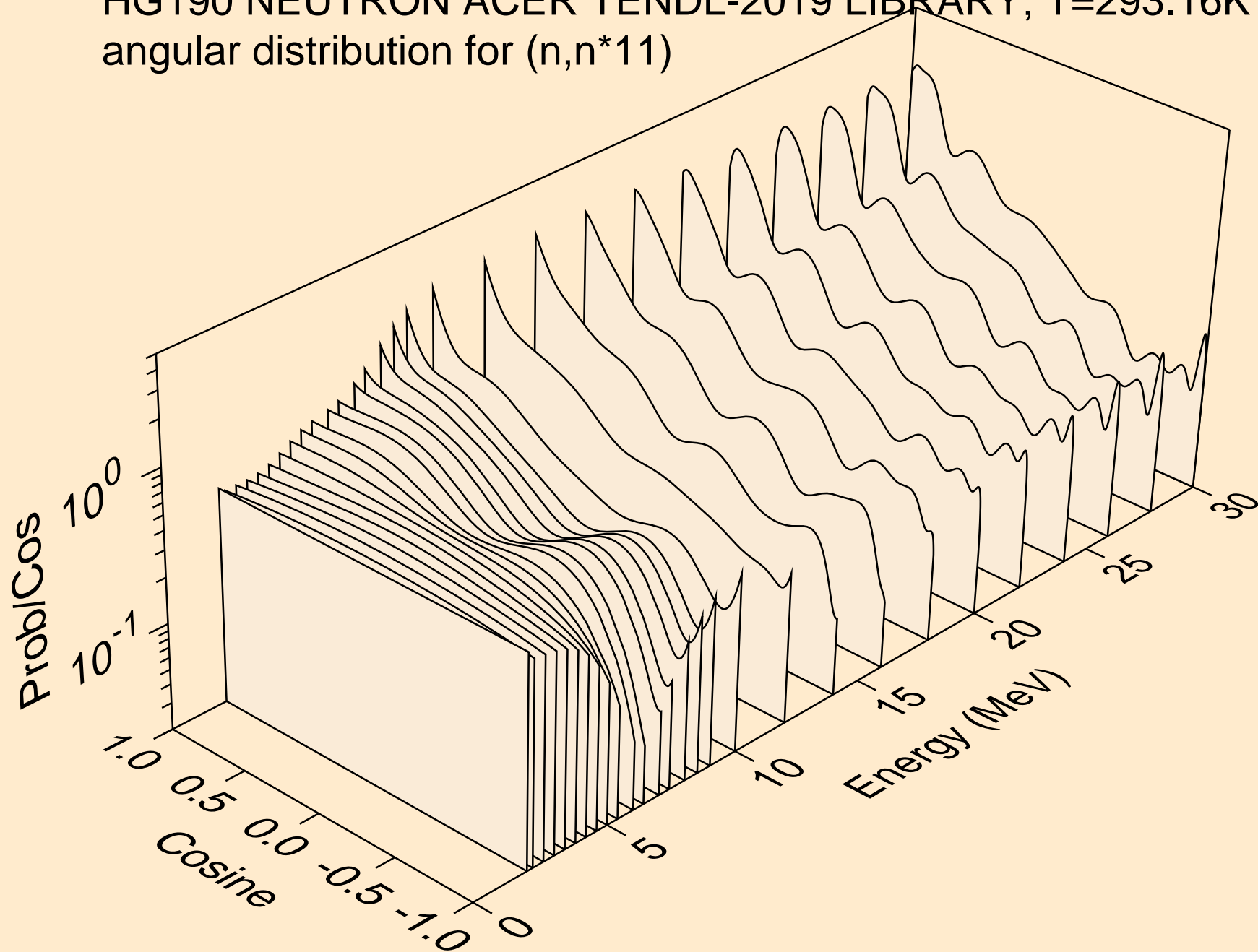
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*9)



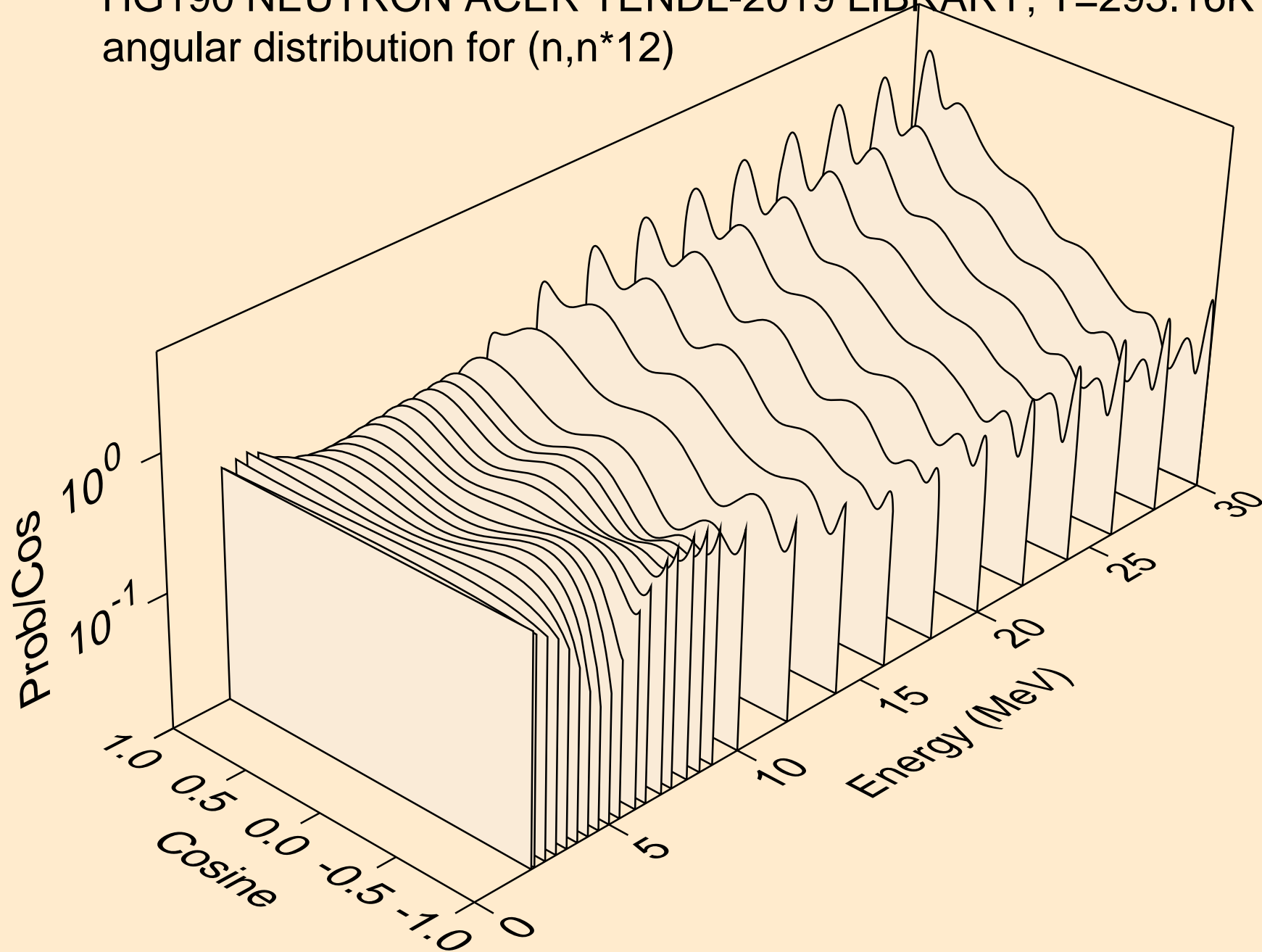
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



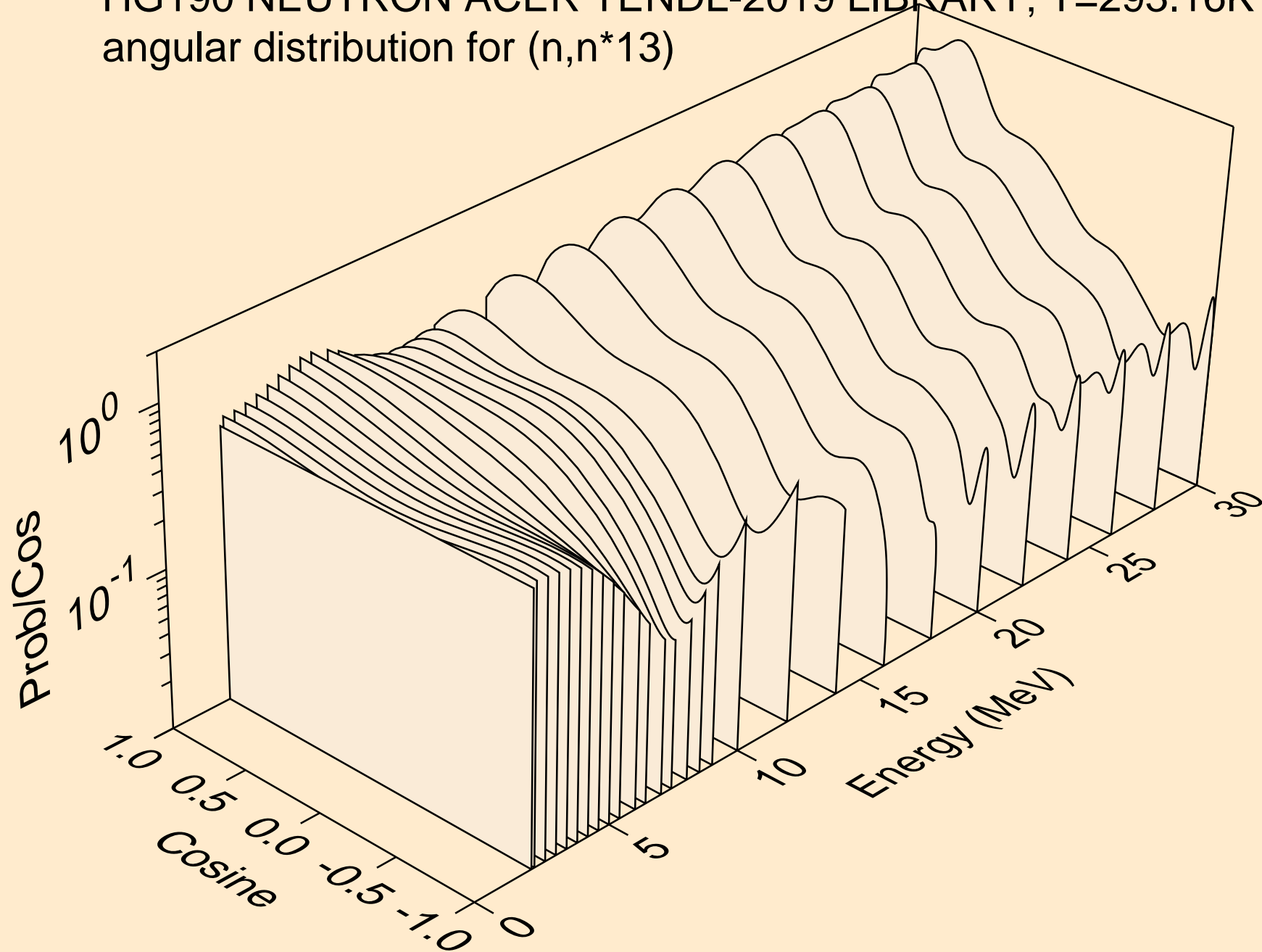
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



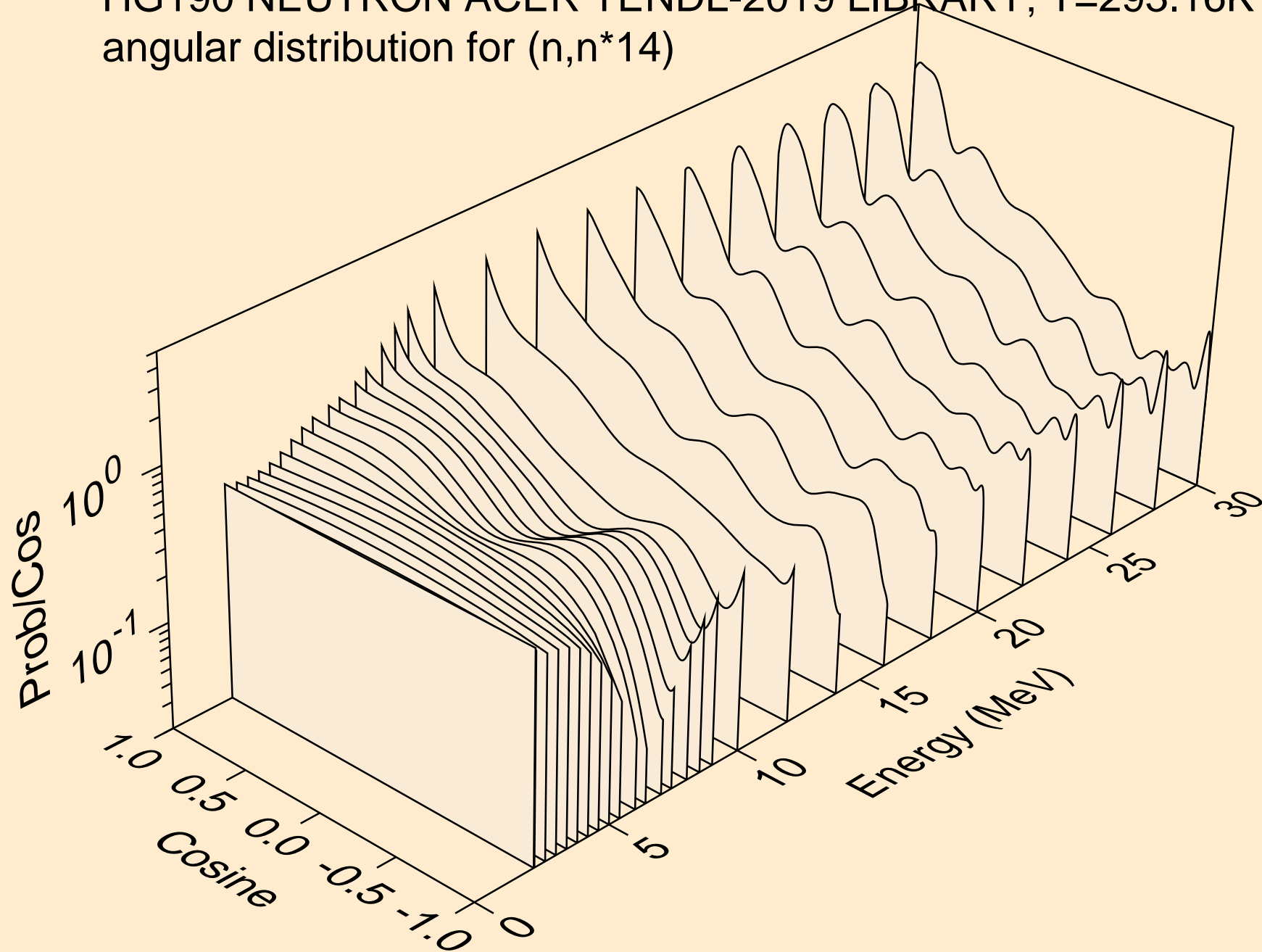
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



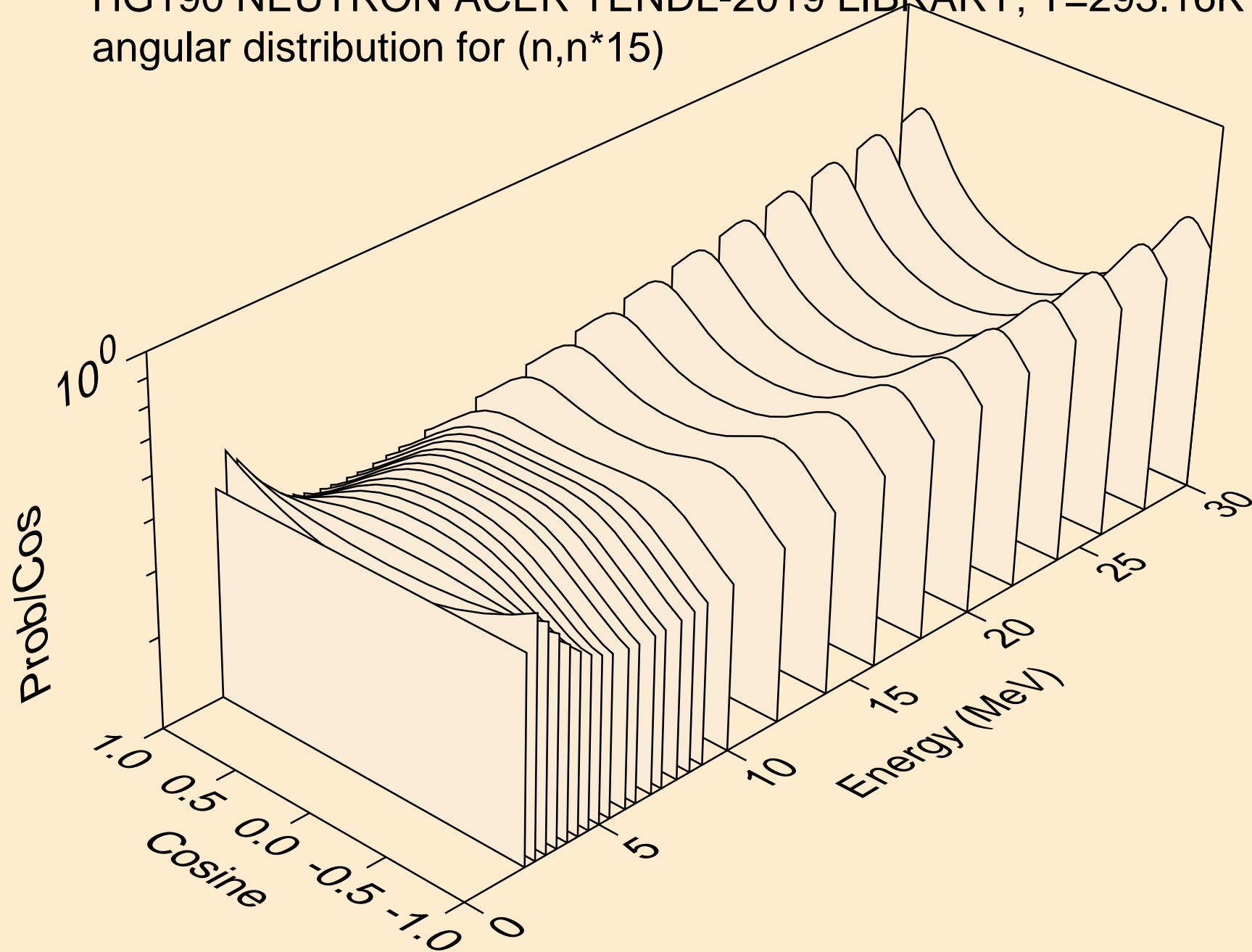
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angular distribution for (n,n*13)



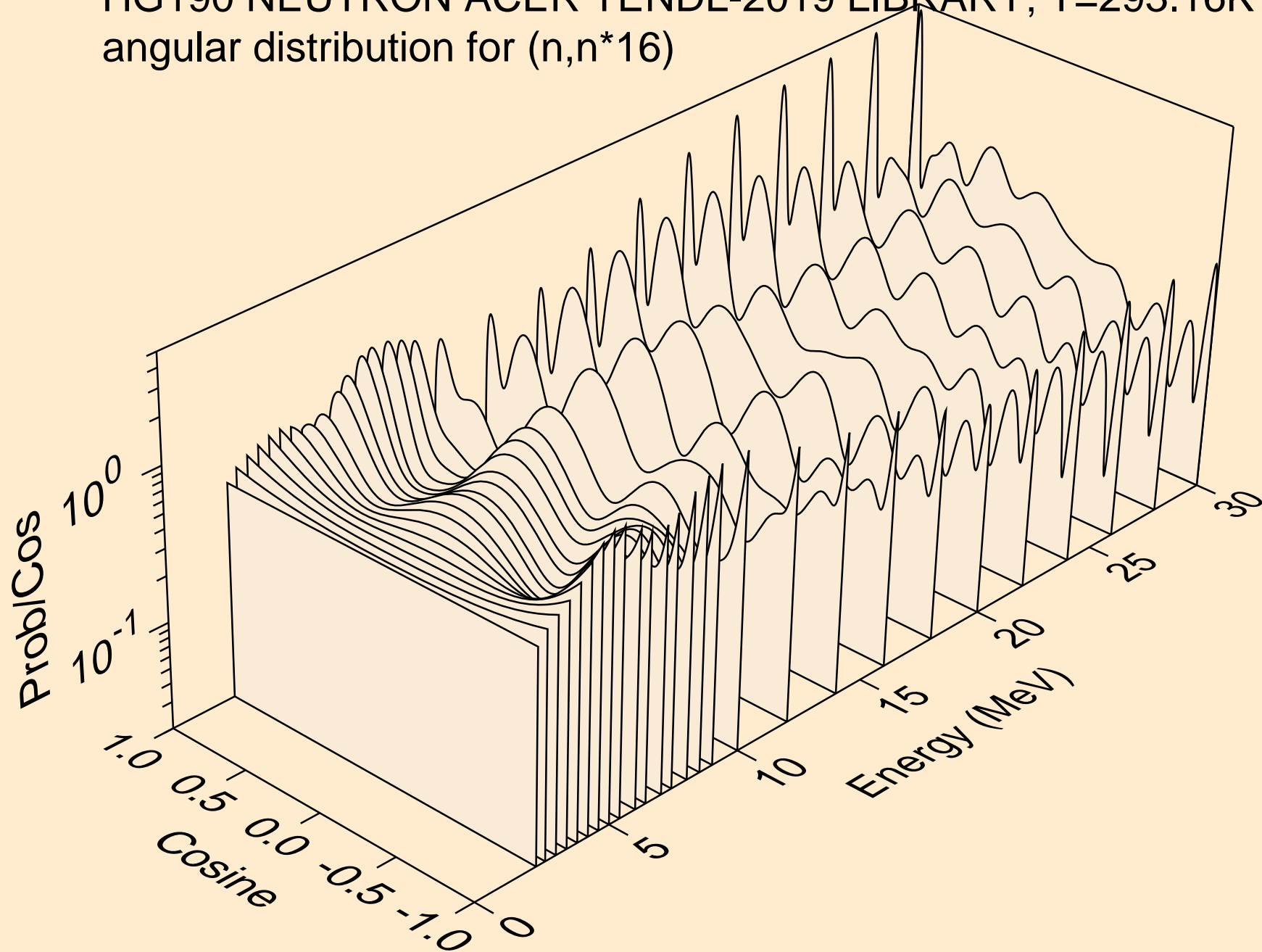
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angular distribution for (n,n*14)



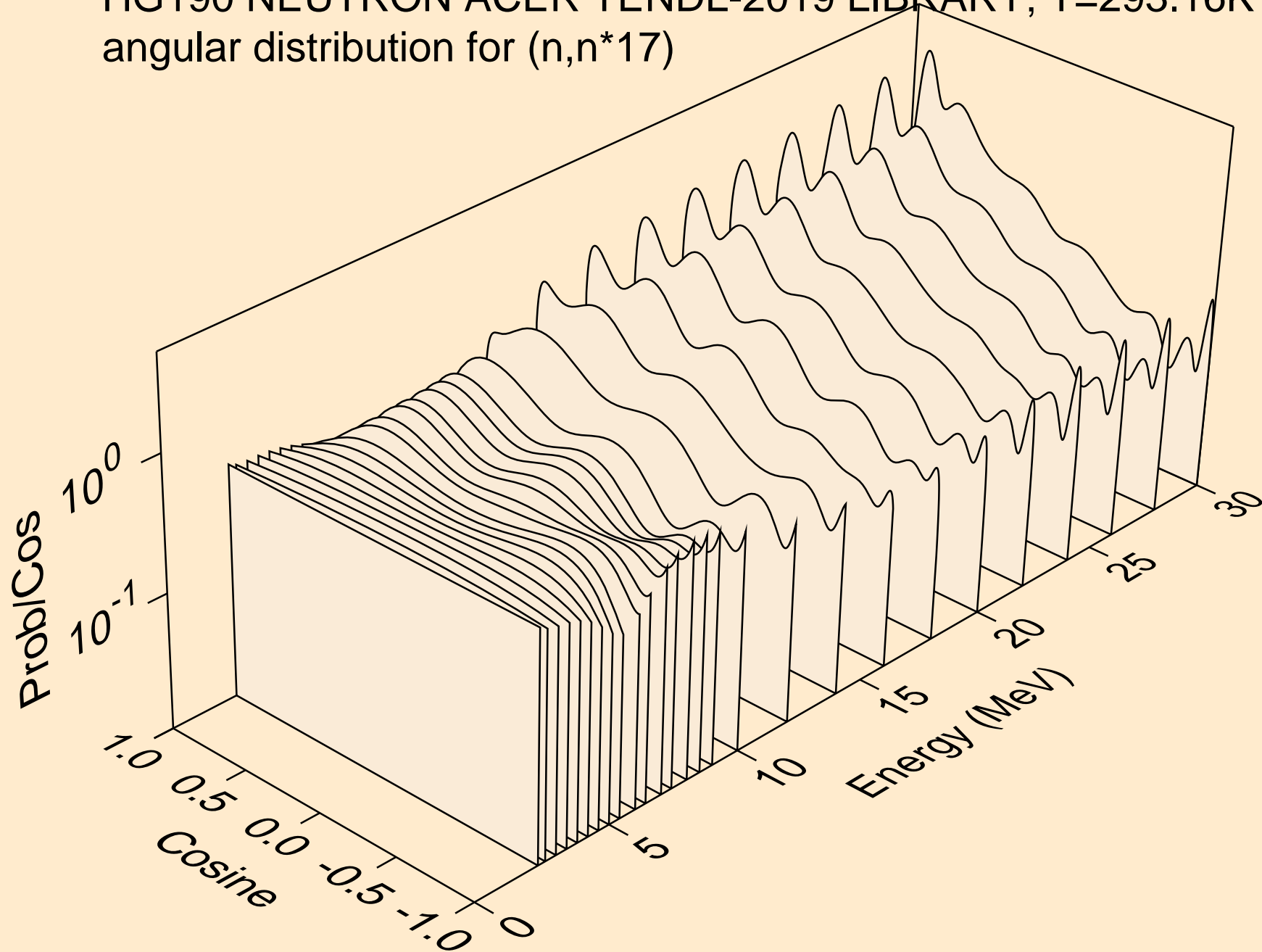
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angular distribution for (n,n*15)



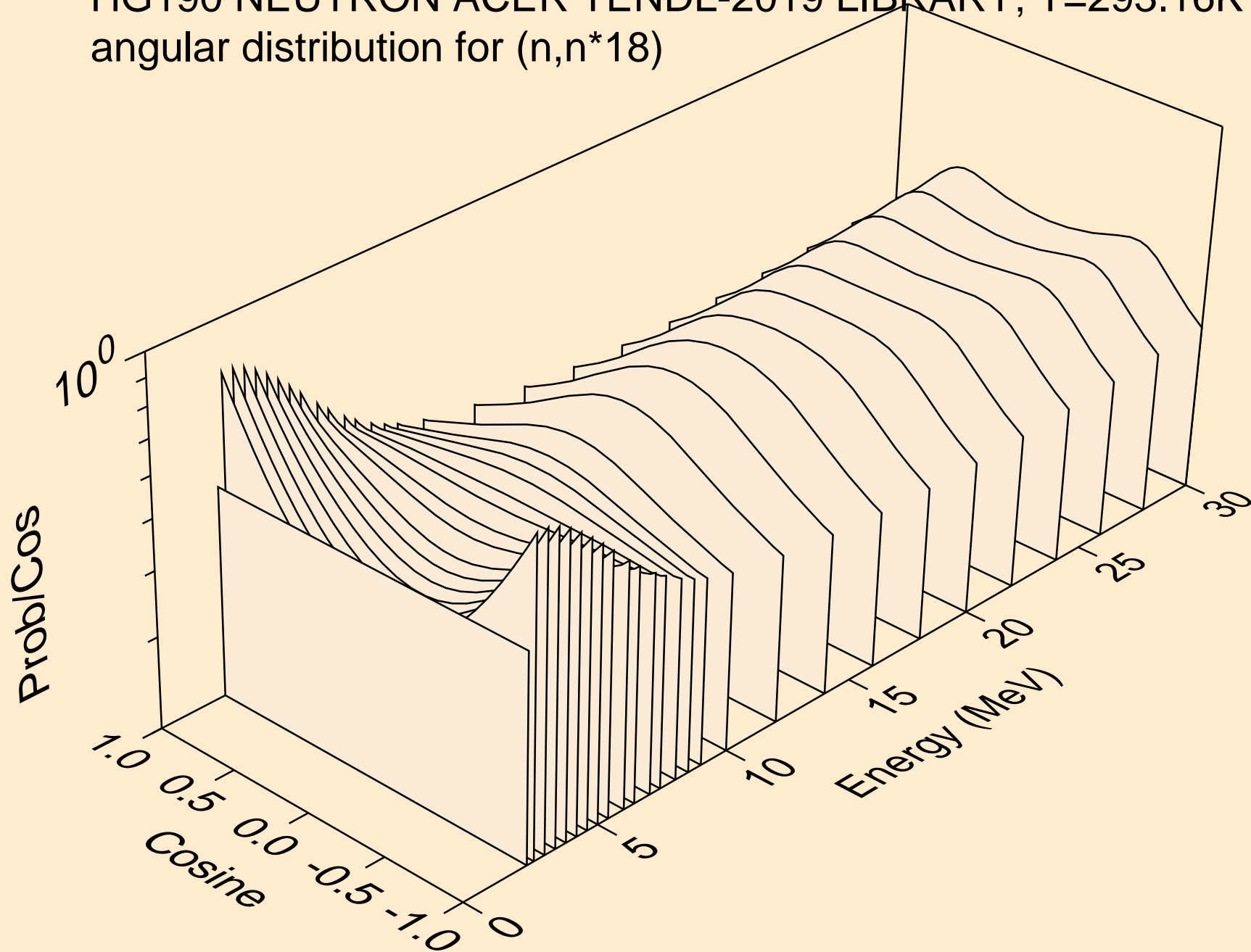
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angular distribution for (n,n*16)



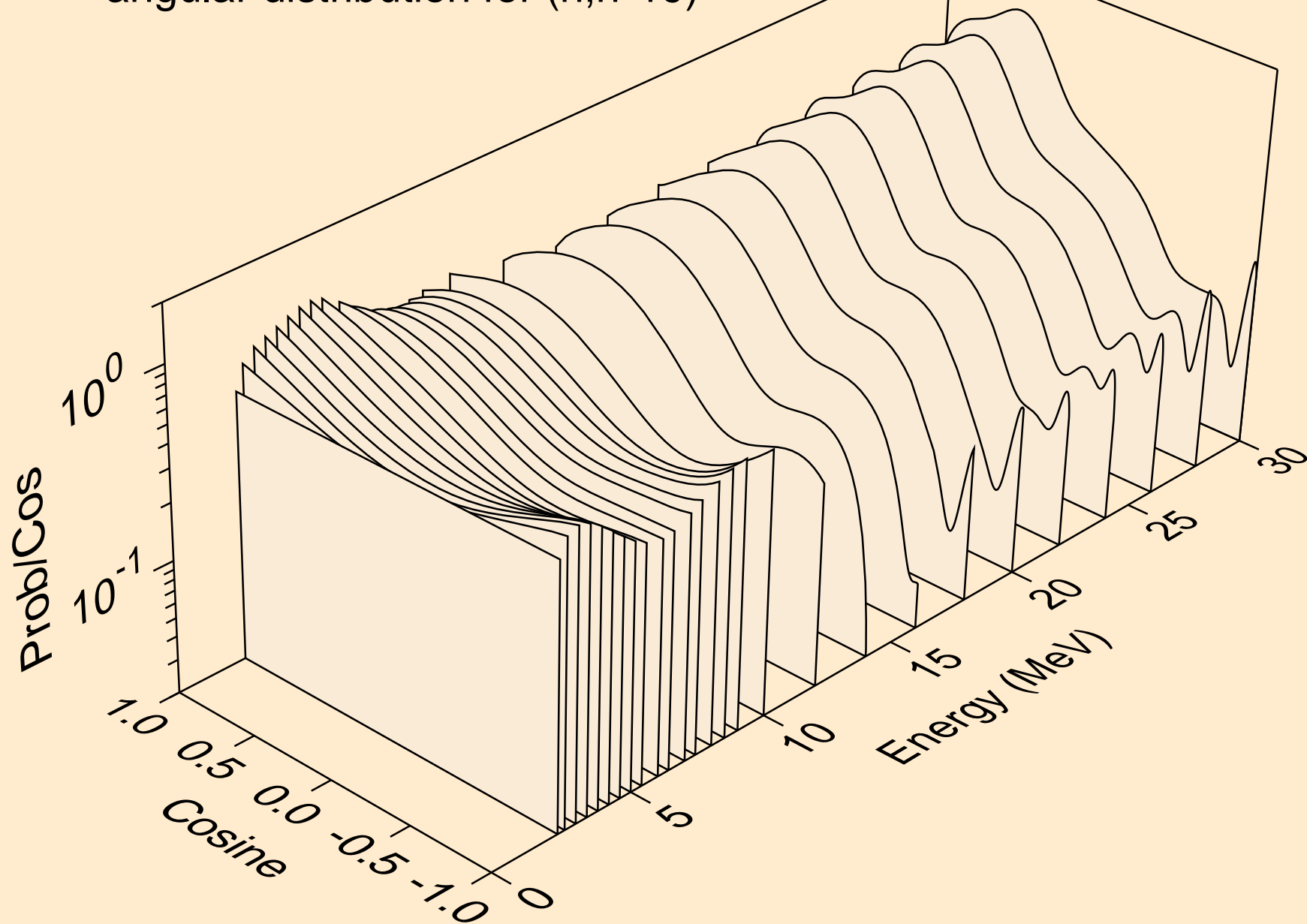
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angular distribution for (n,n*17)



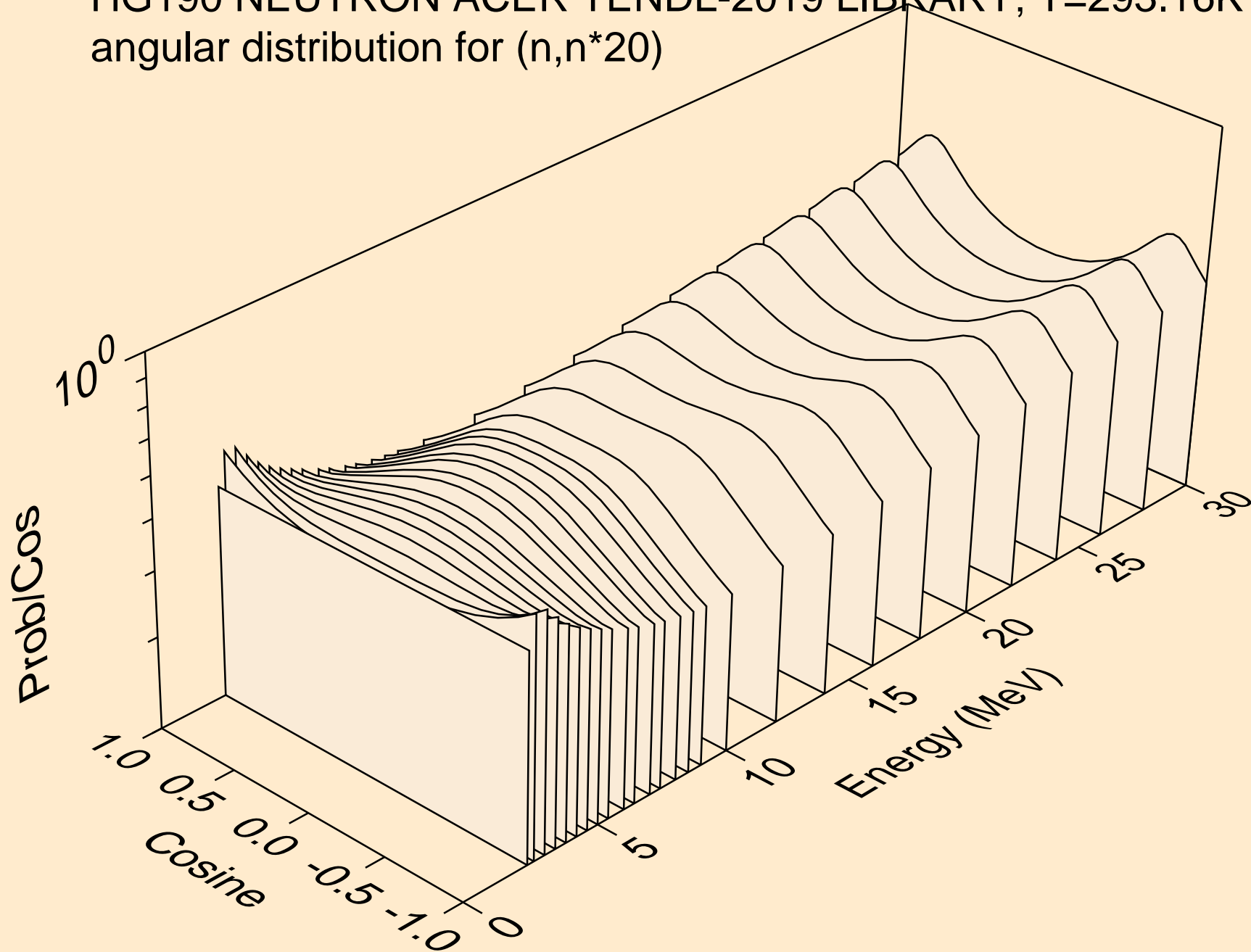
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



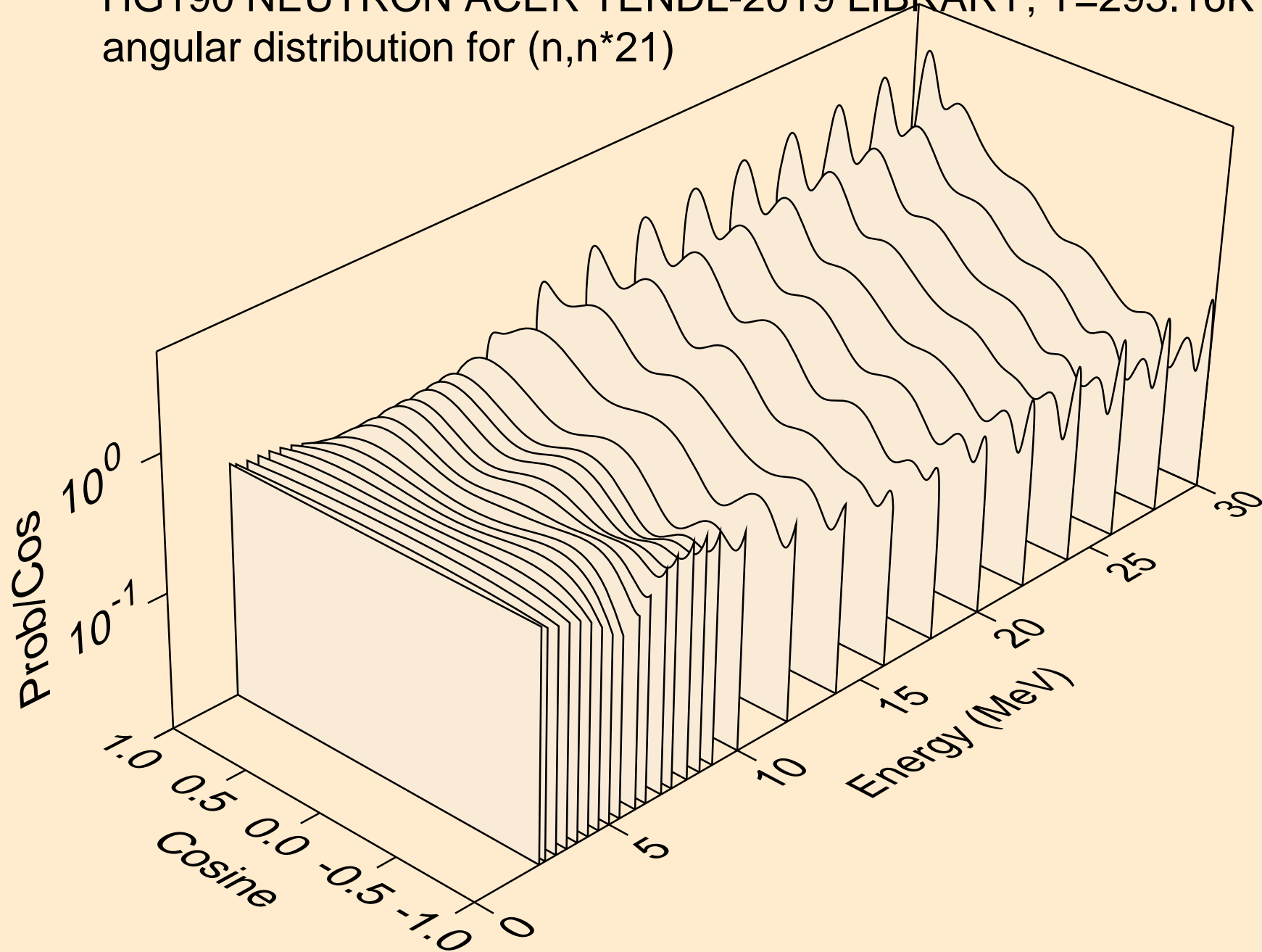
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



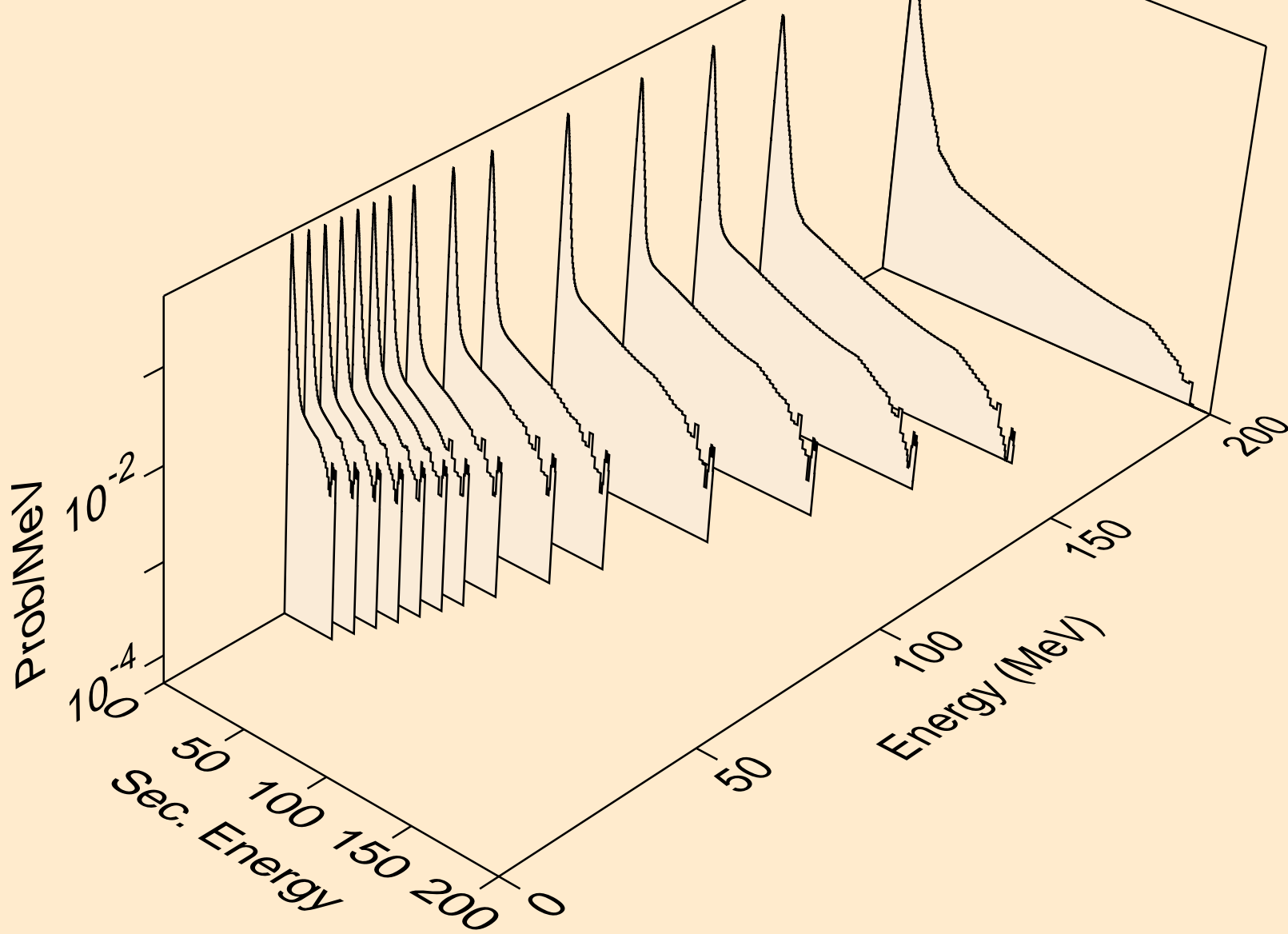
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angular distribution for (n,n*20)



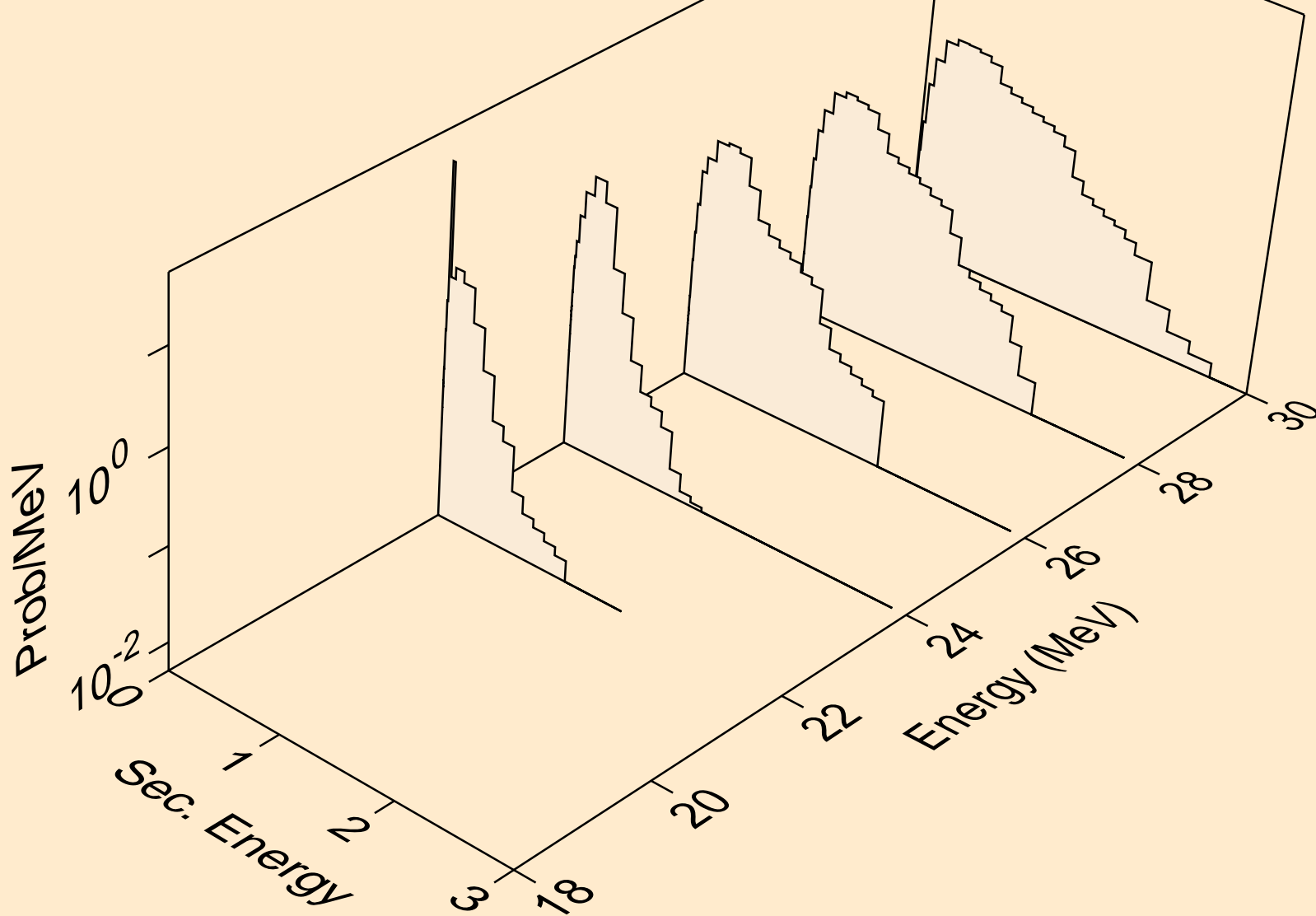
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



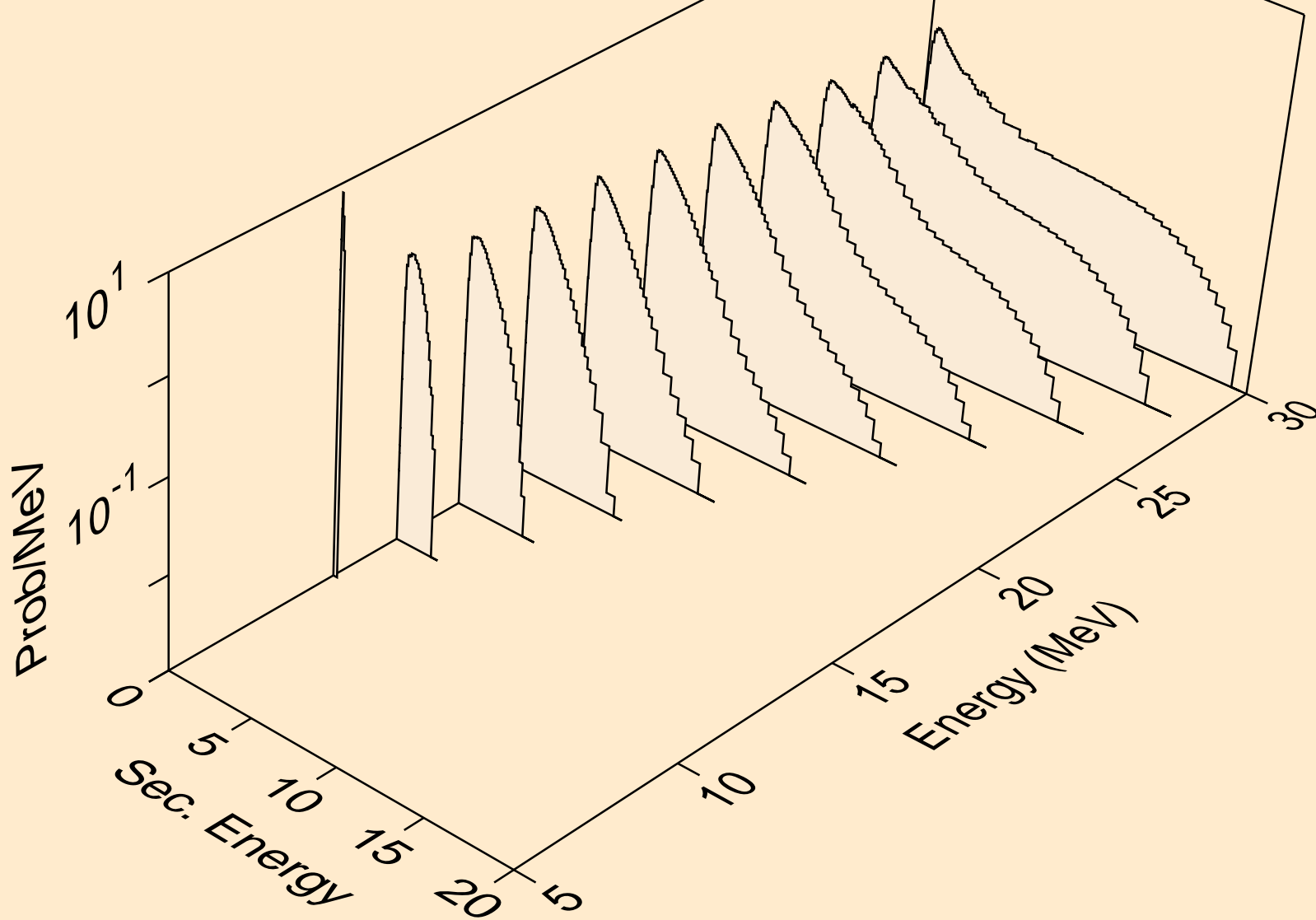
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



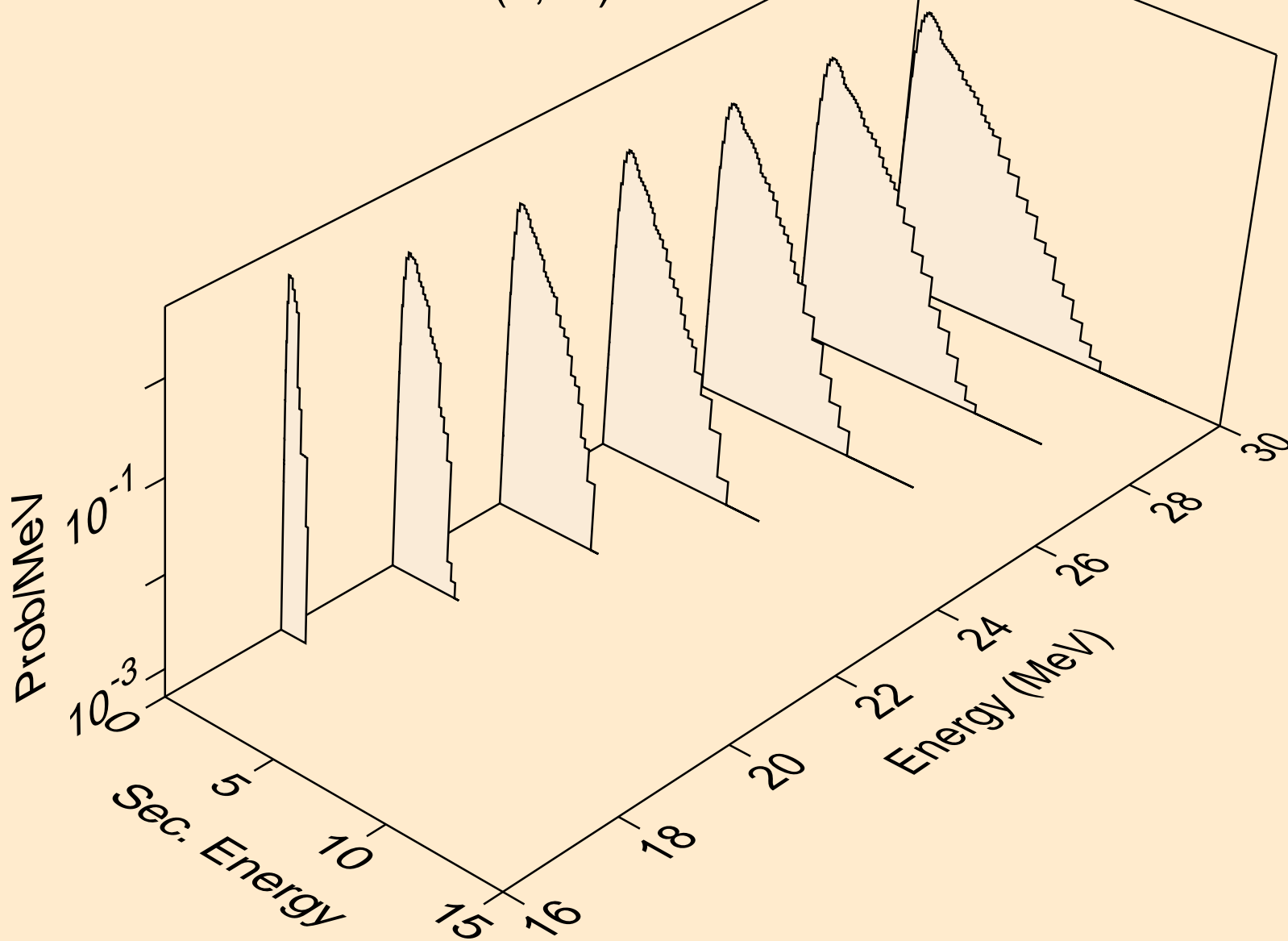
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



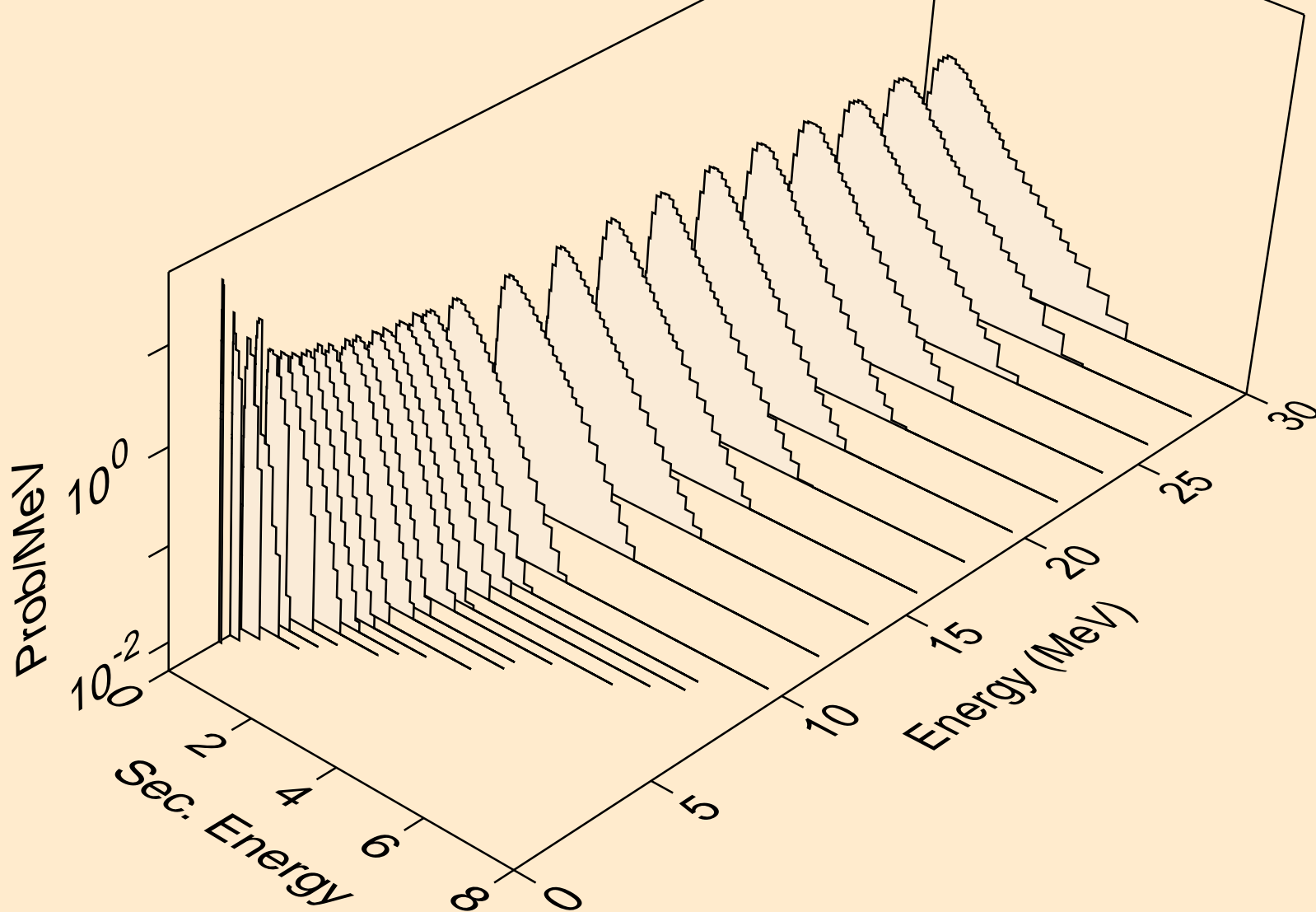
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



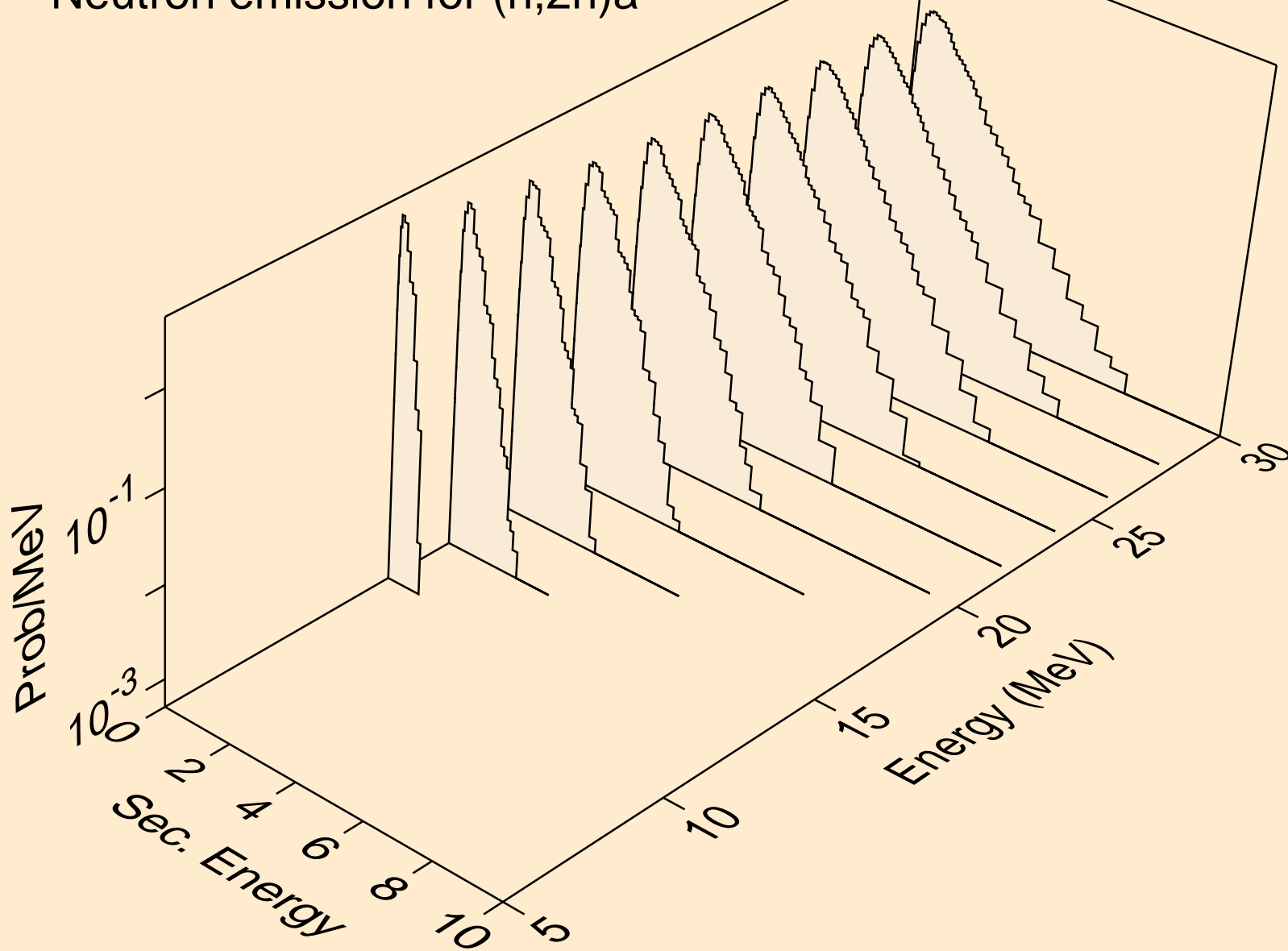
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



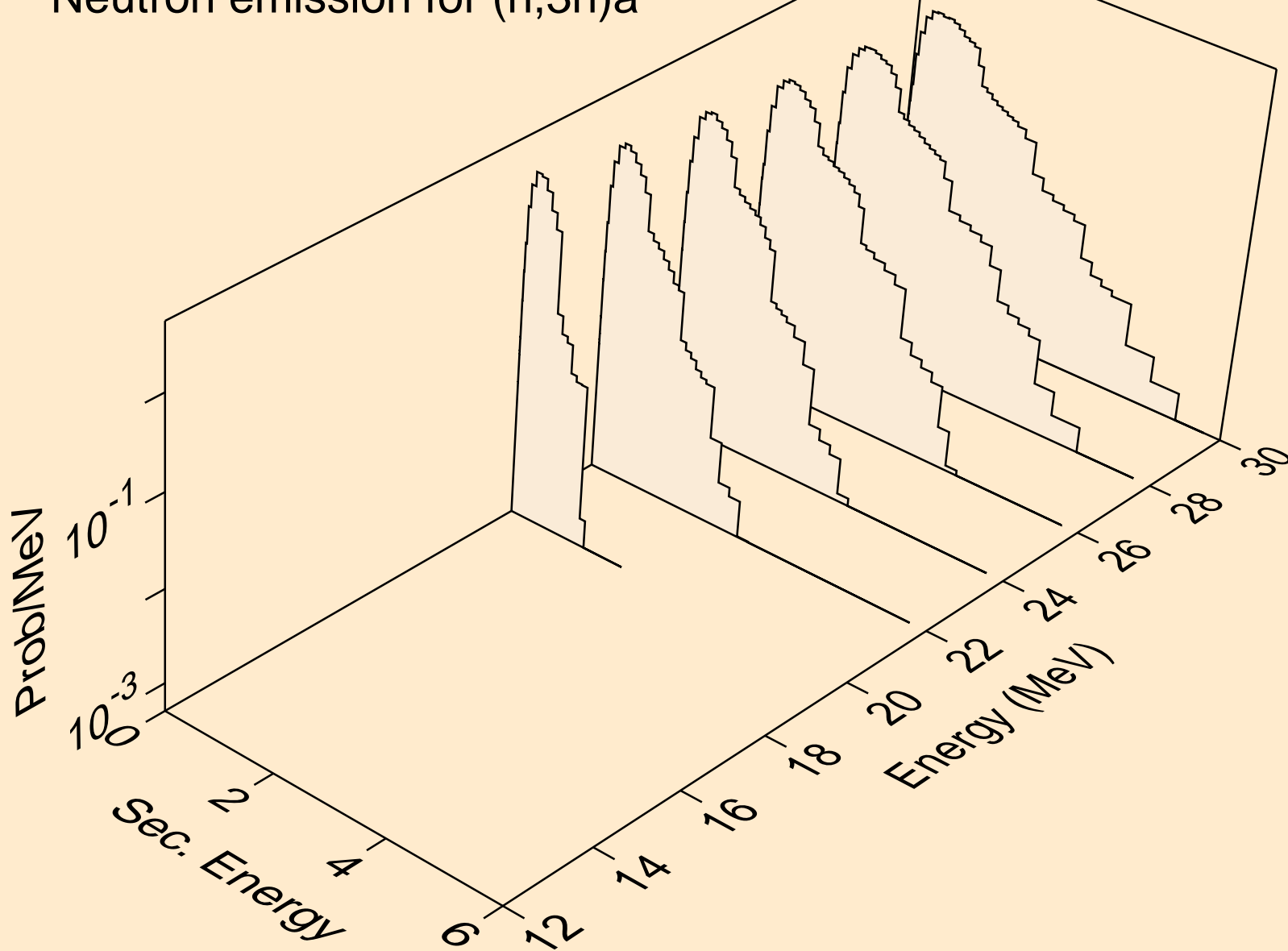
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



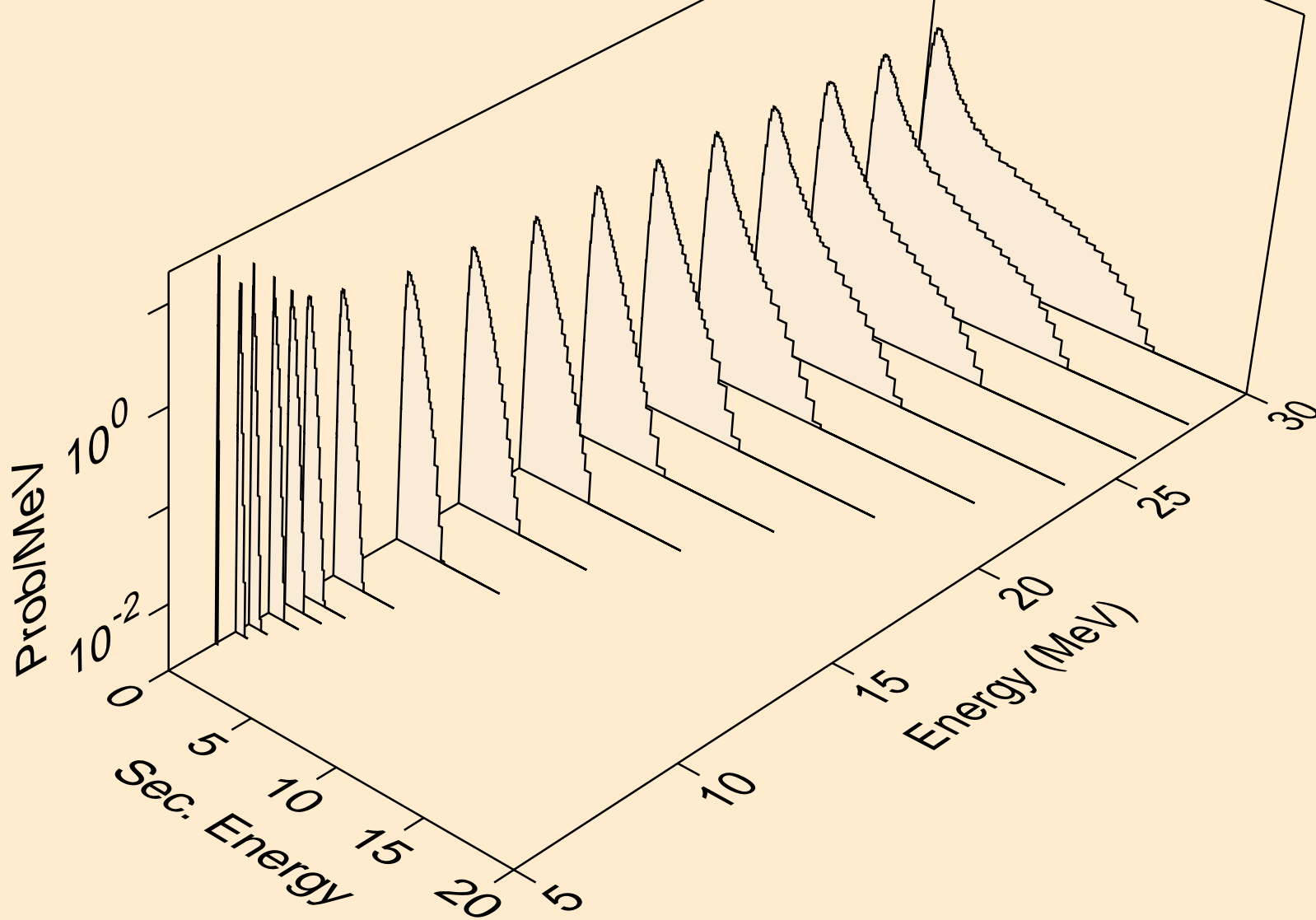
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



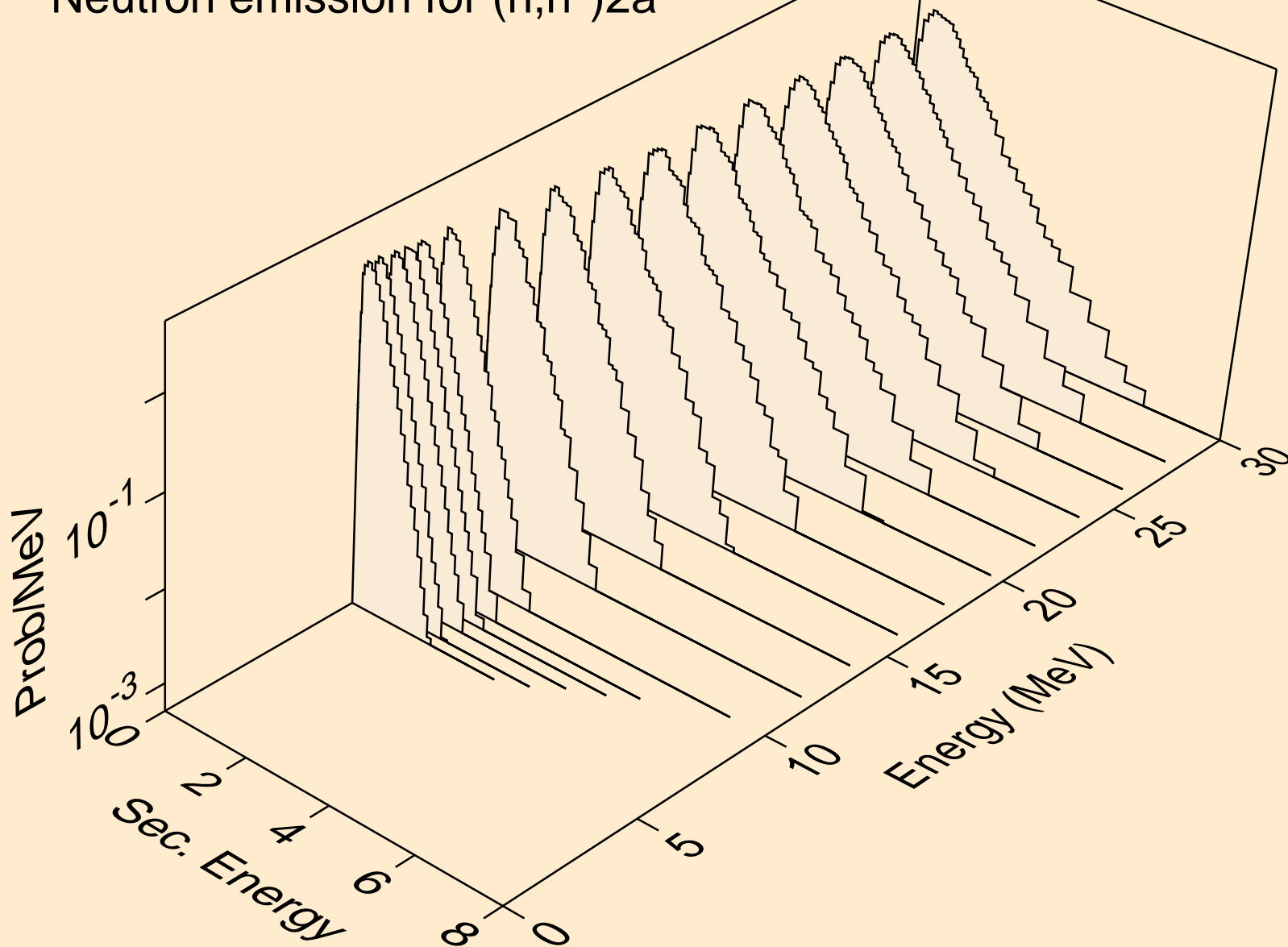
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



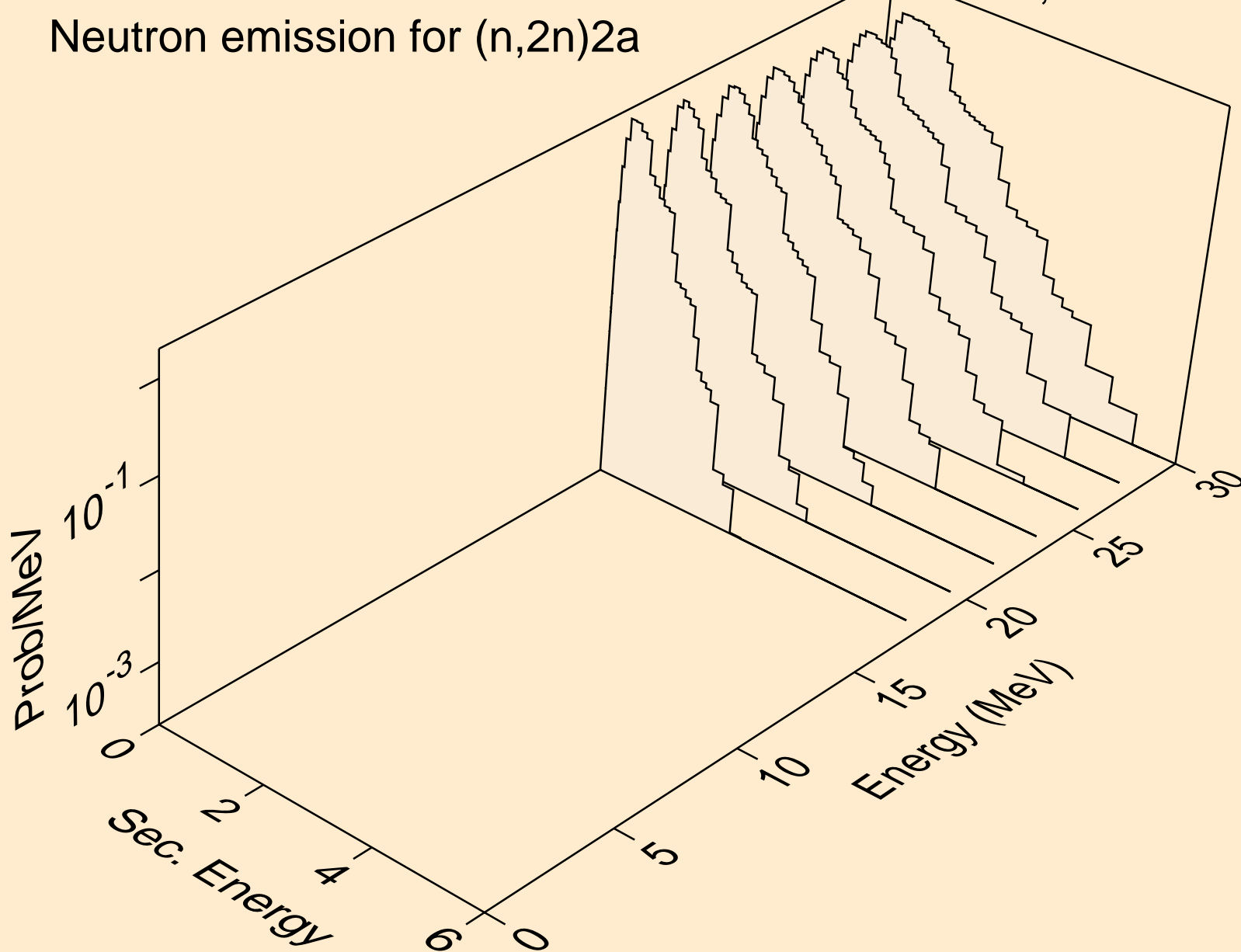
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



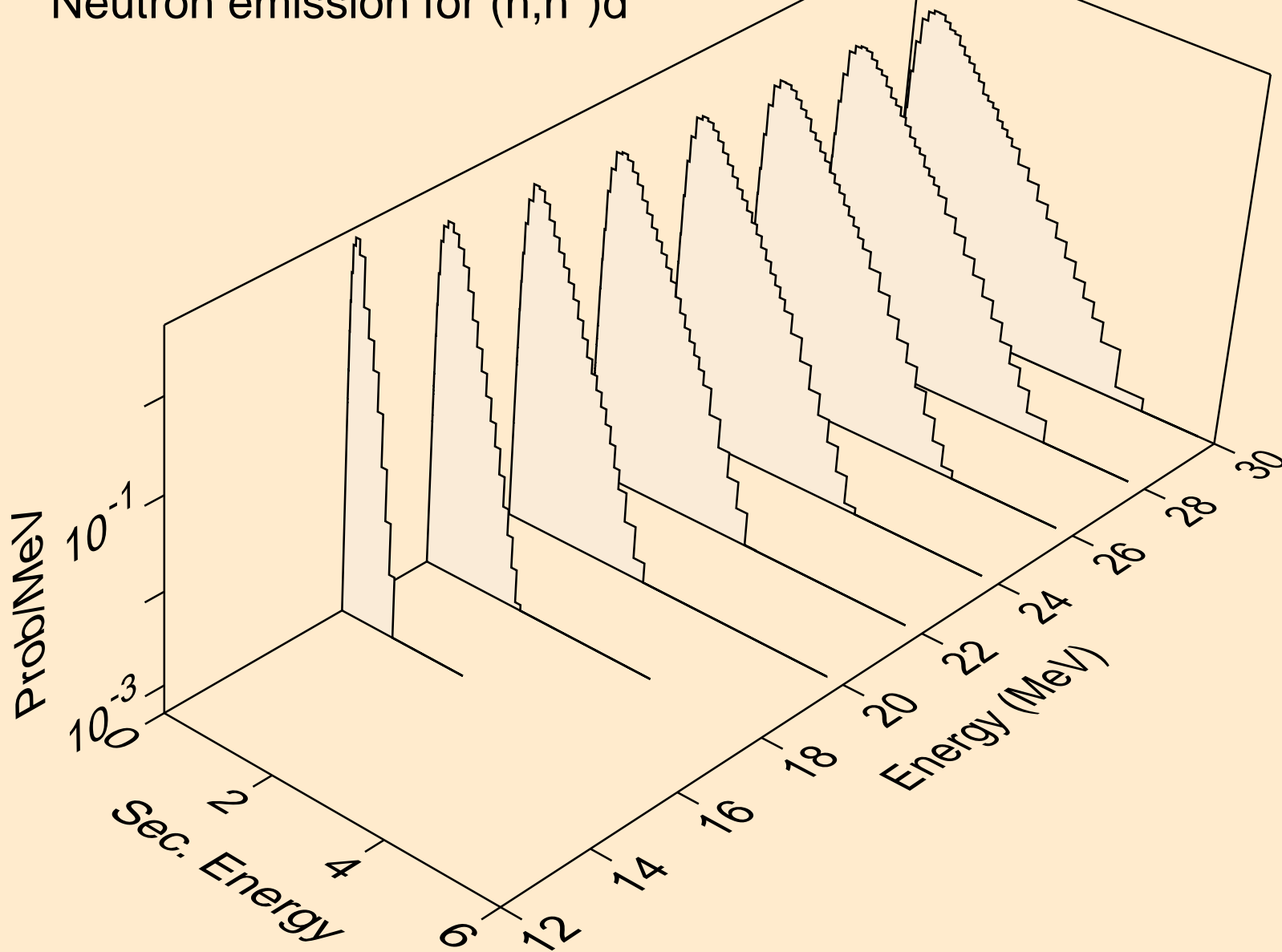
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



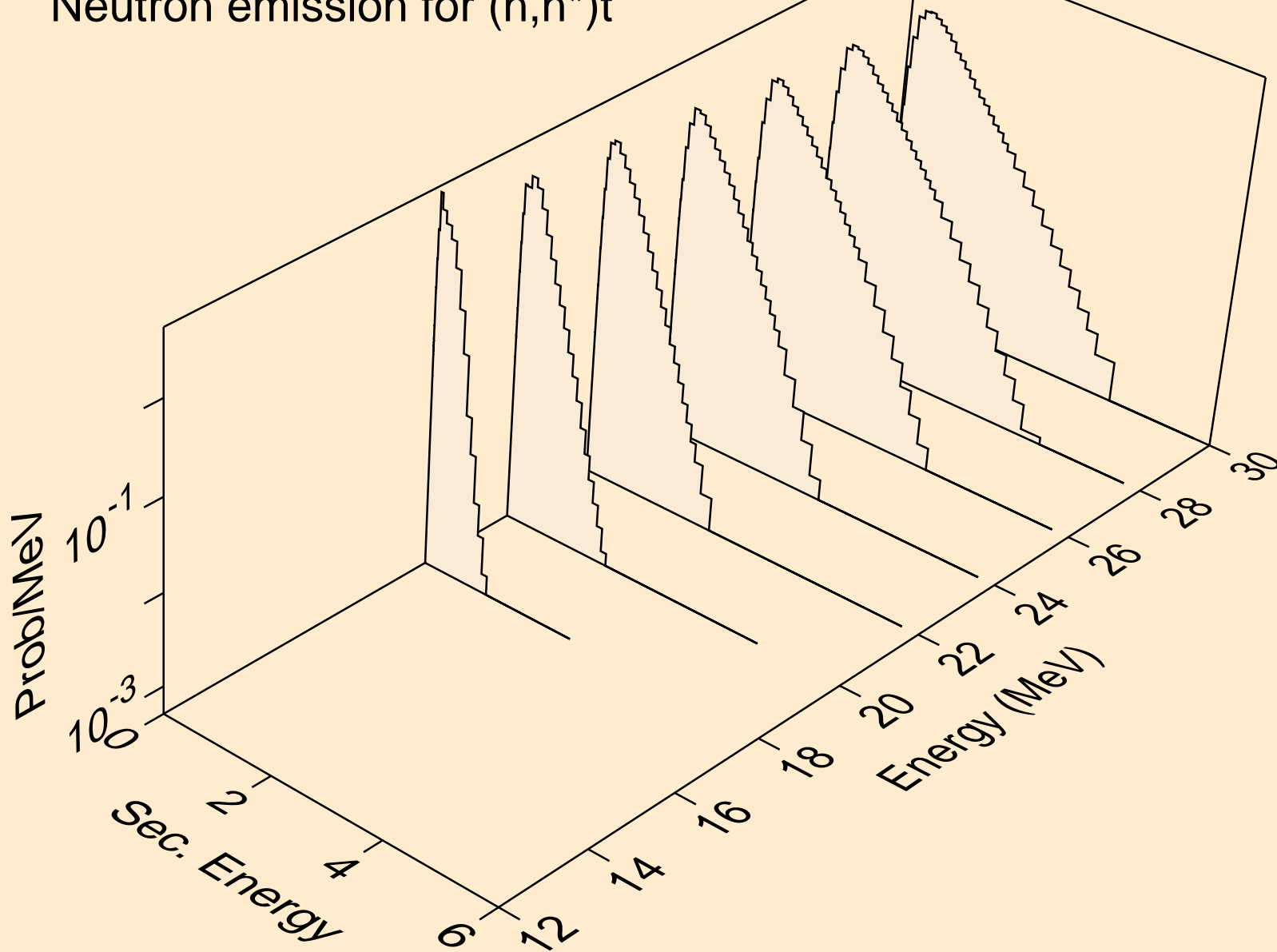
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



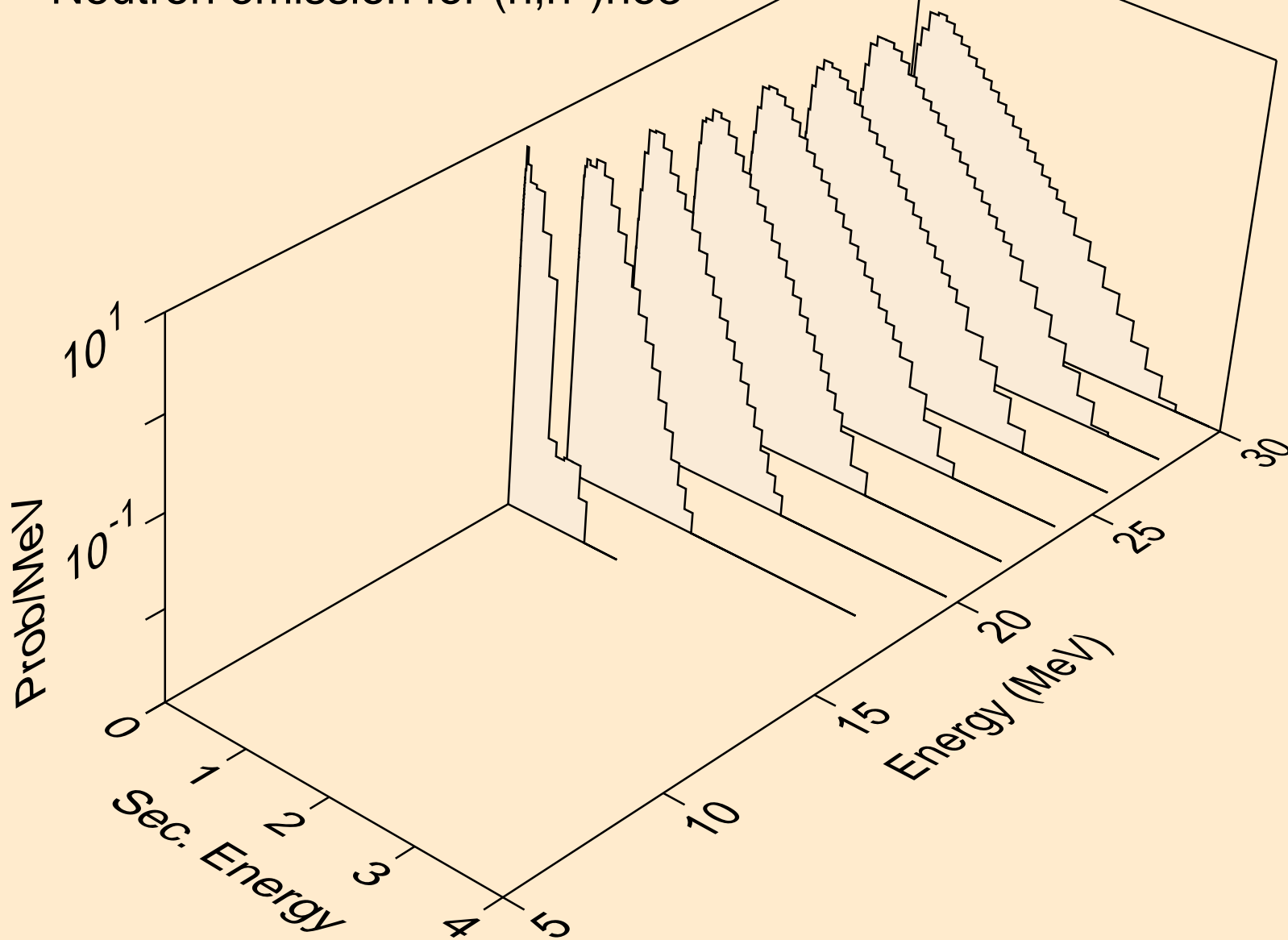
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



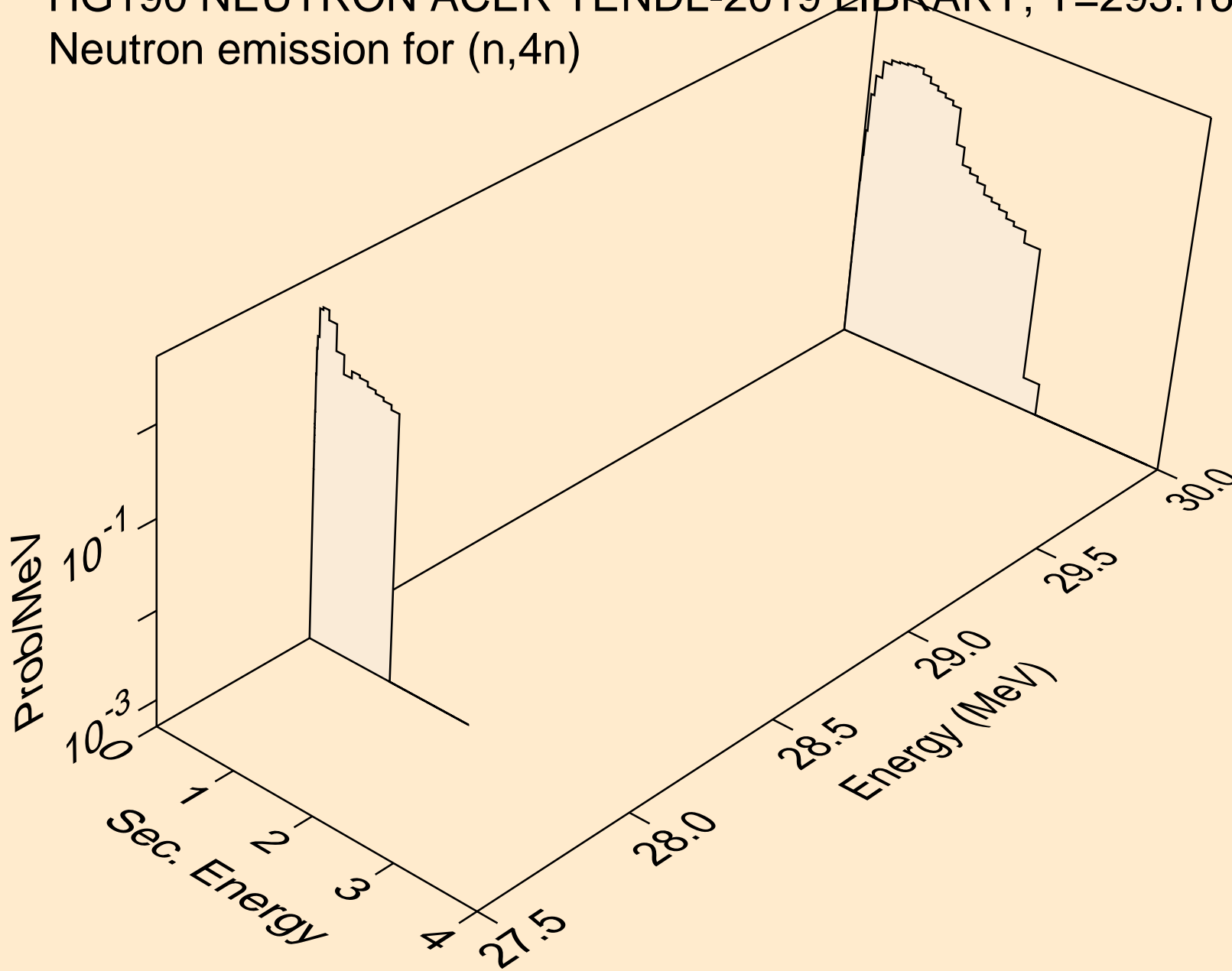
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



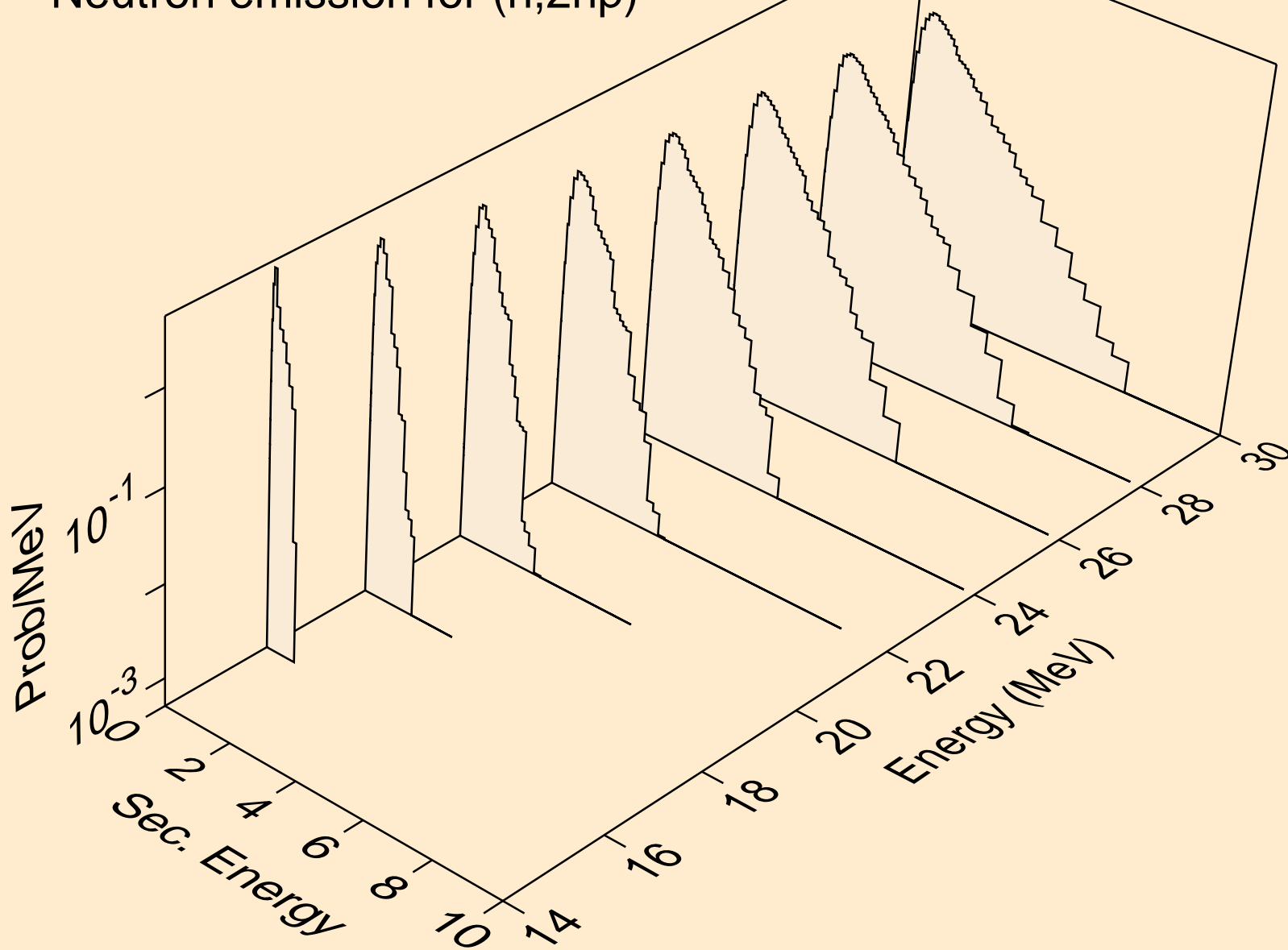
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



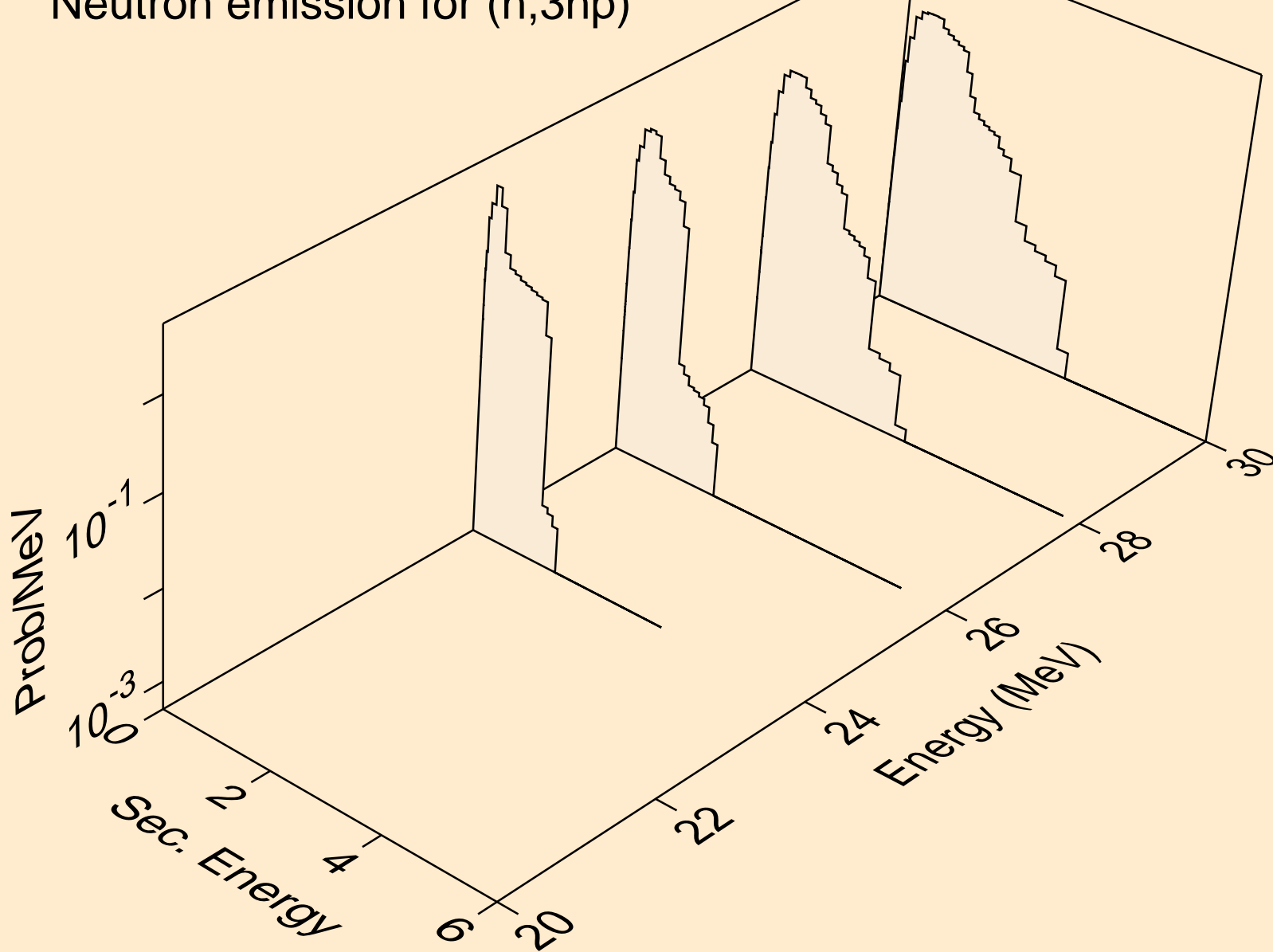
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



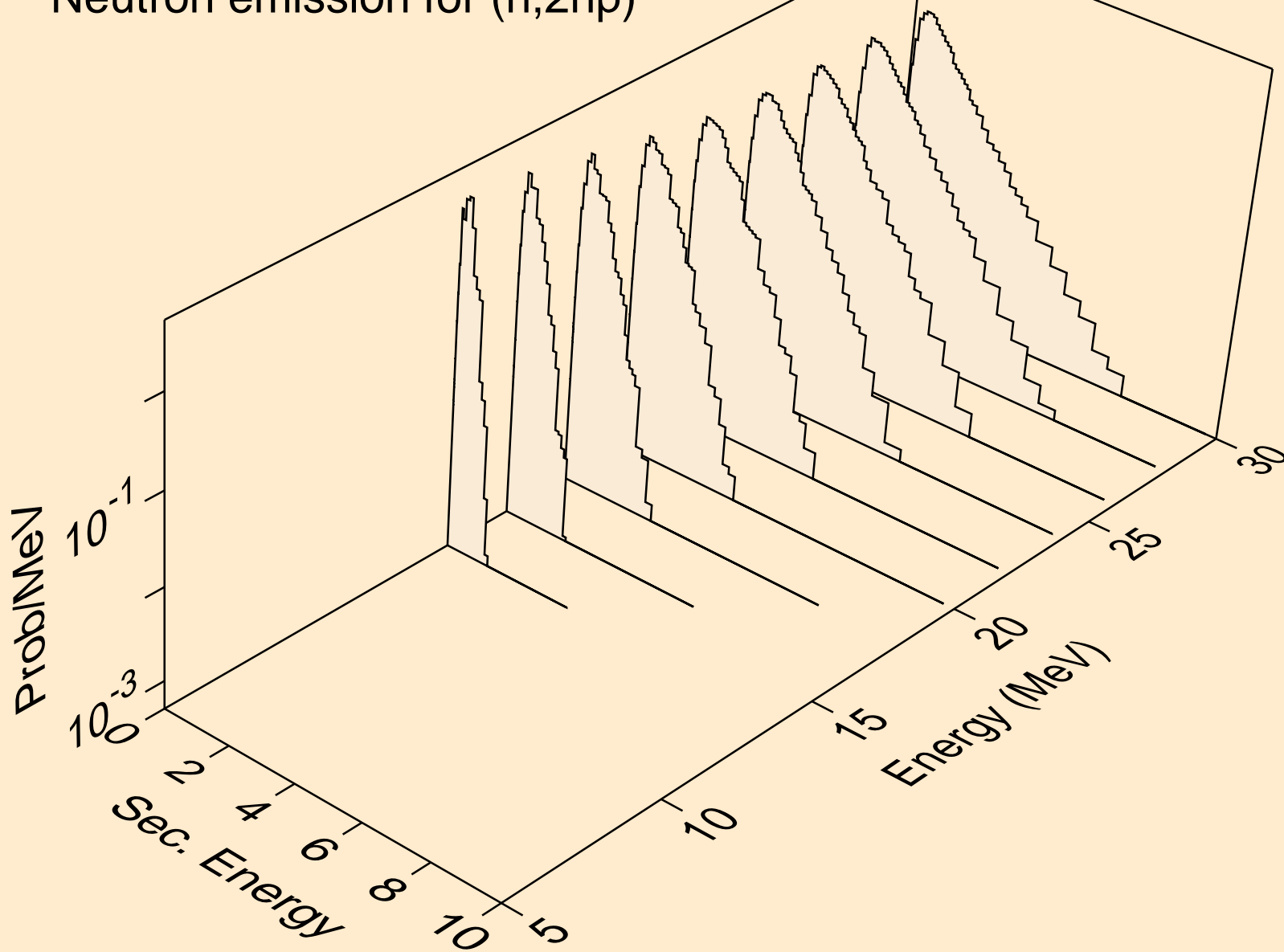
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



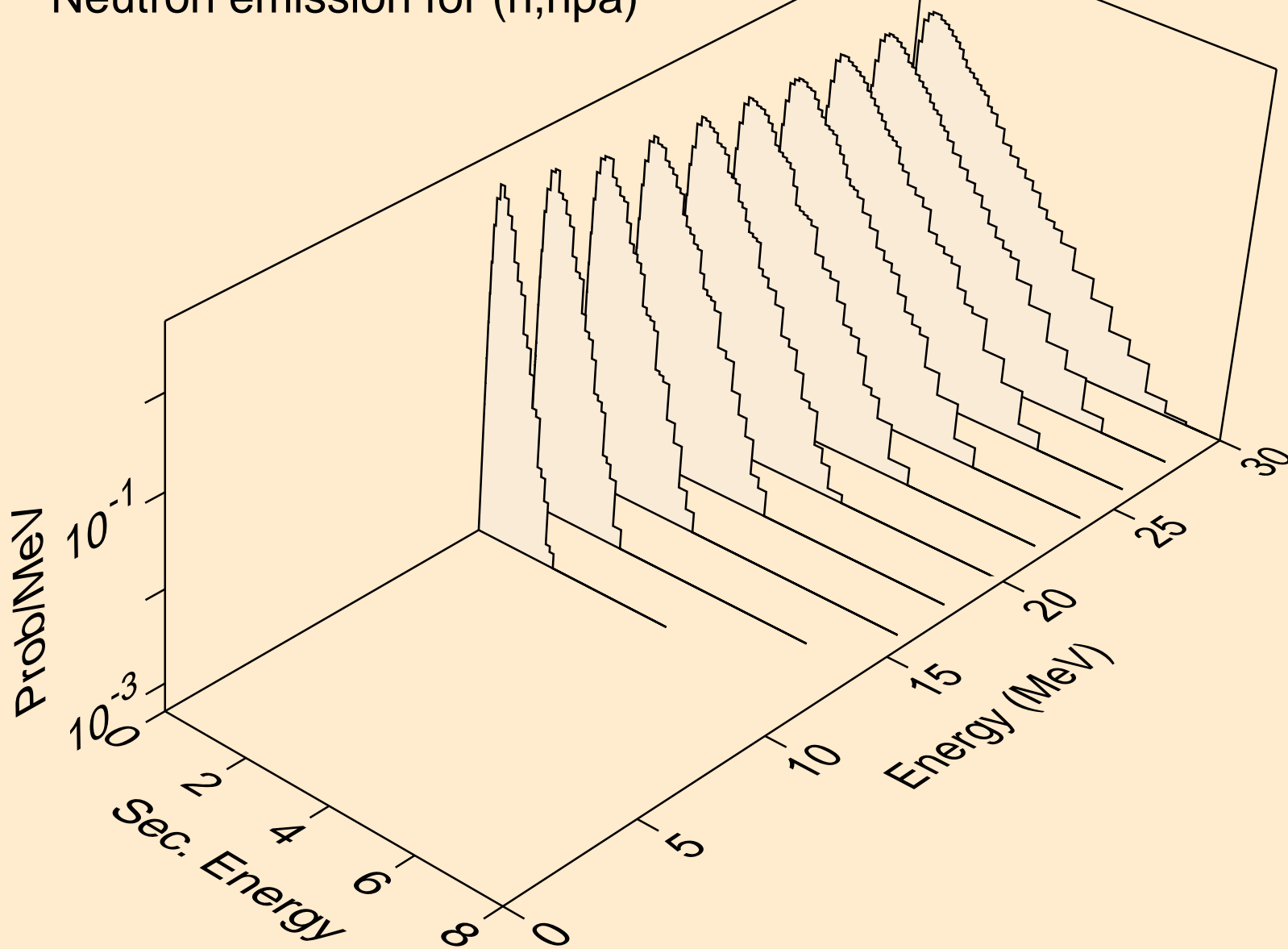
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



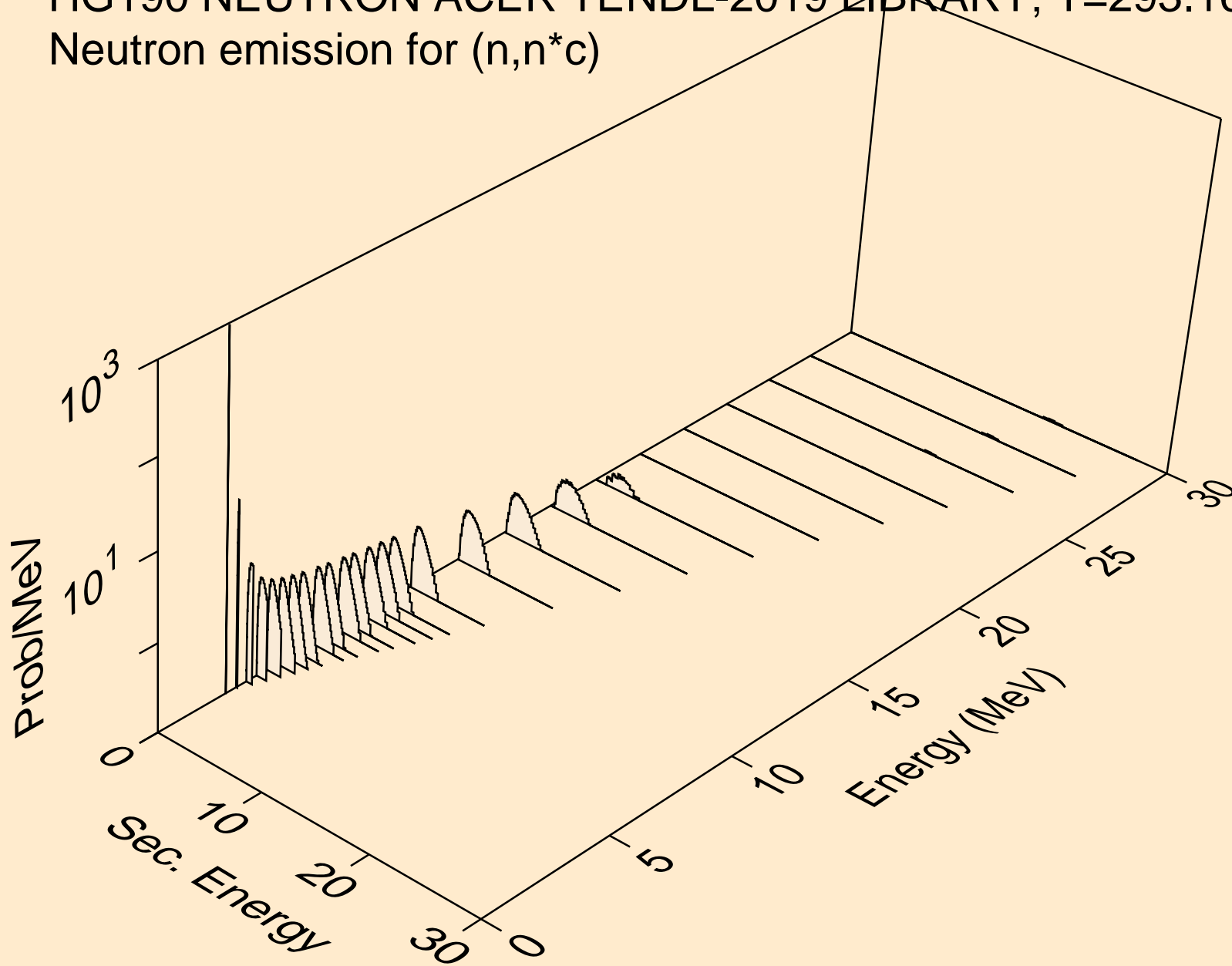
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



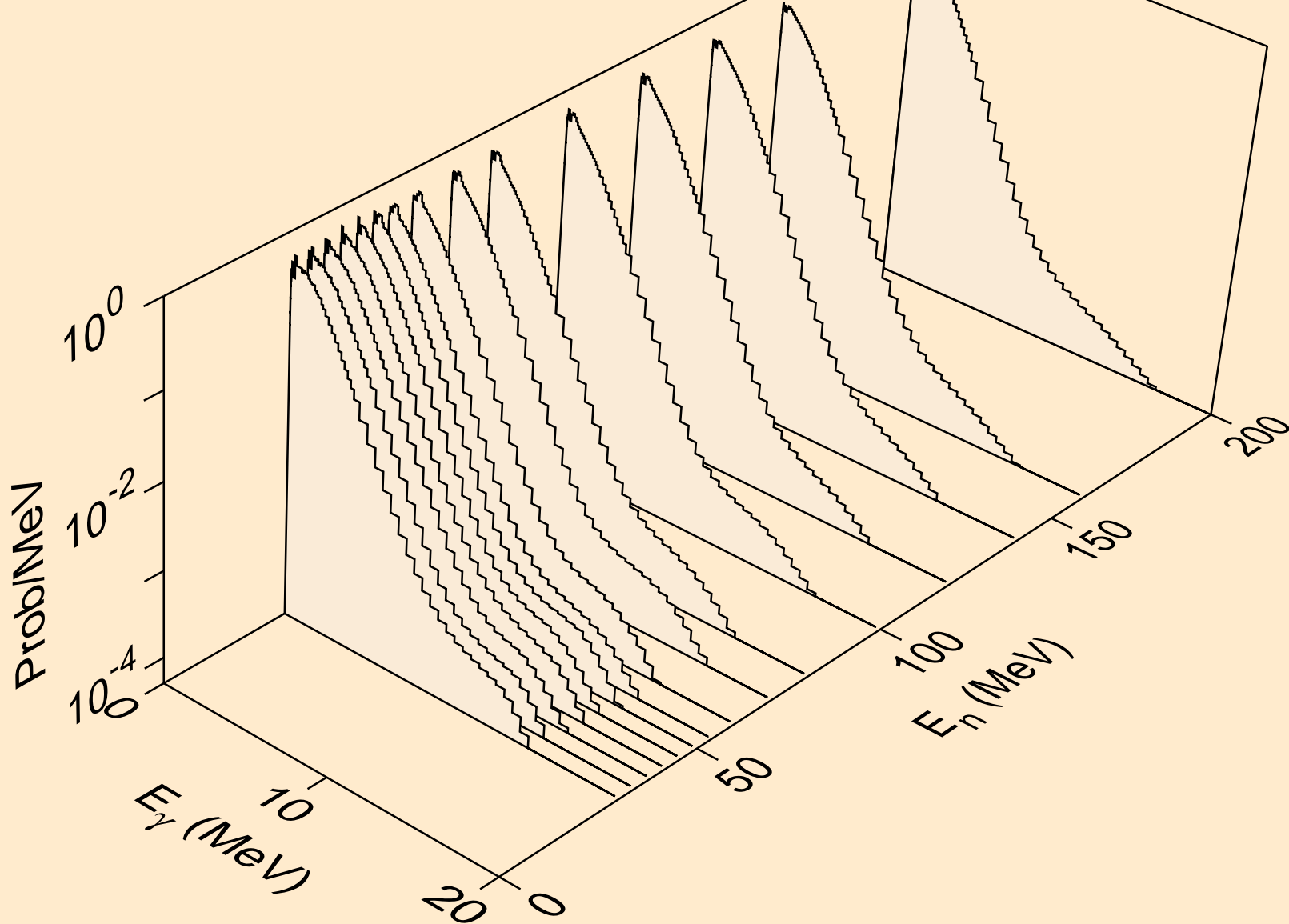
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



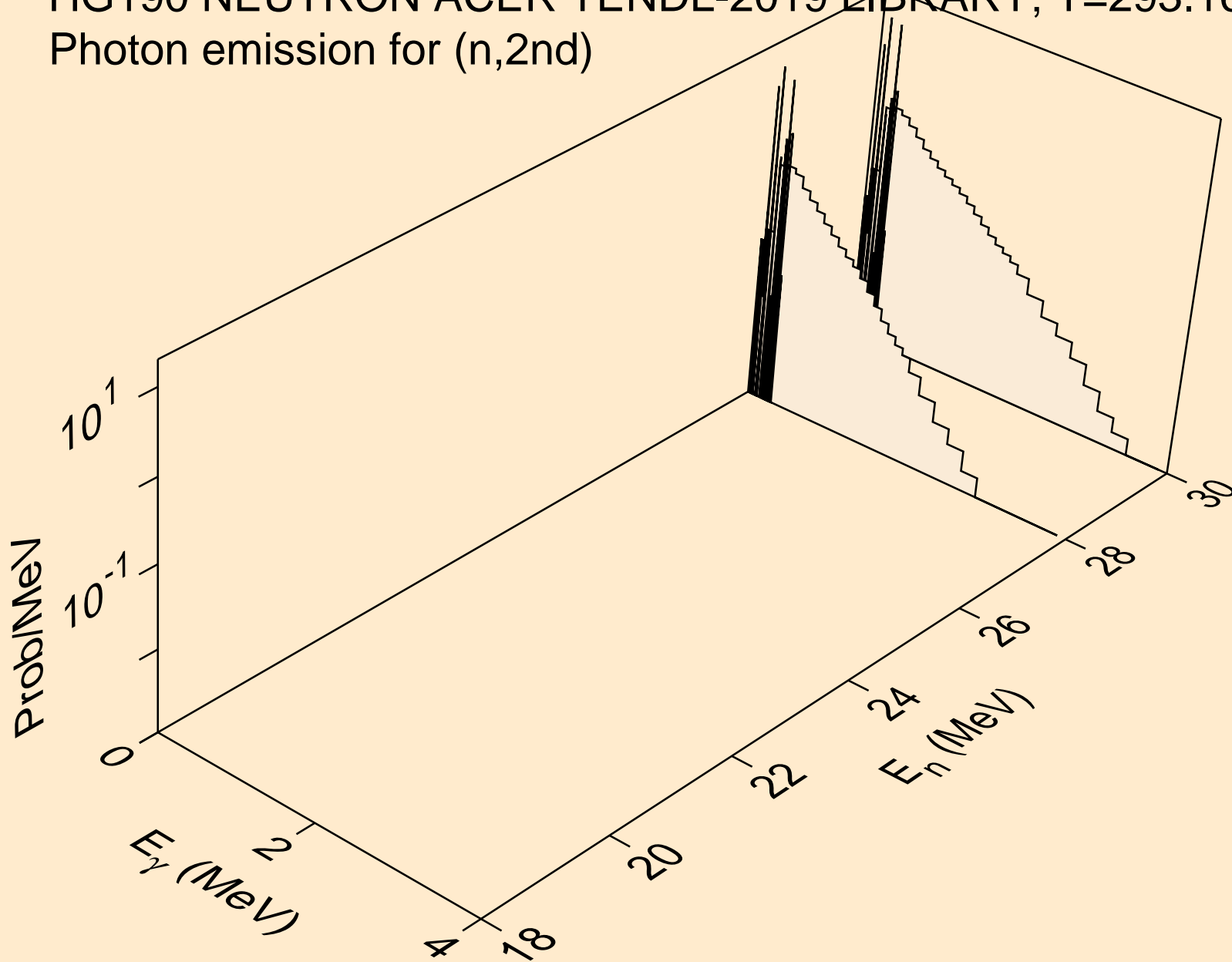
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



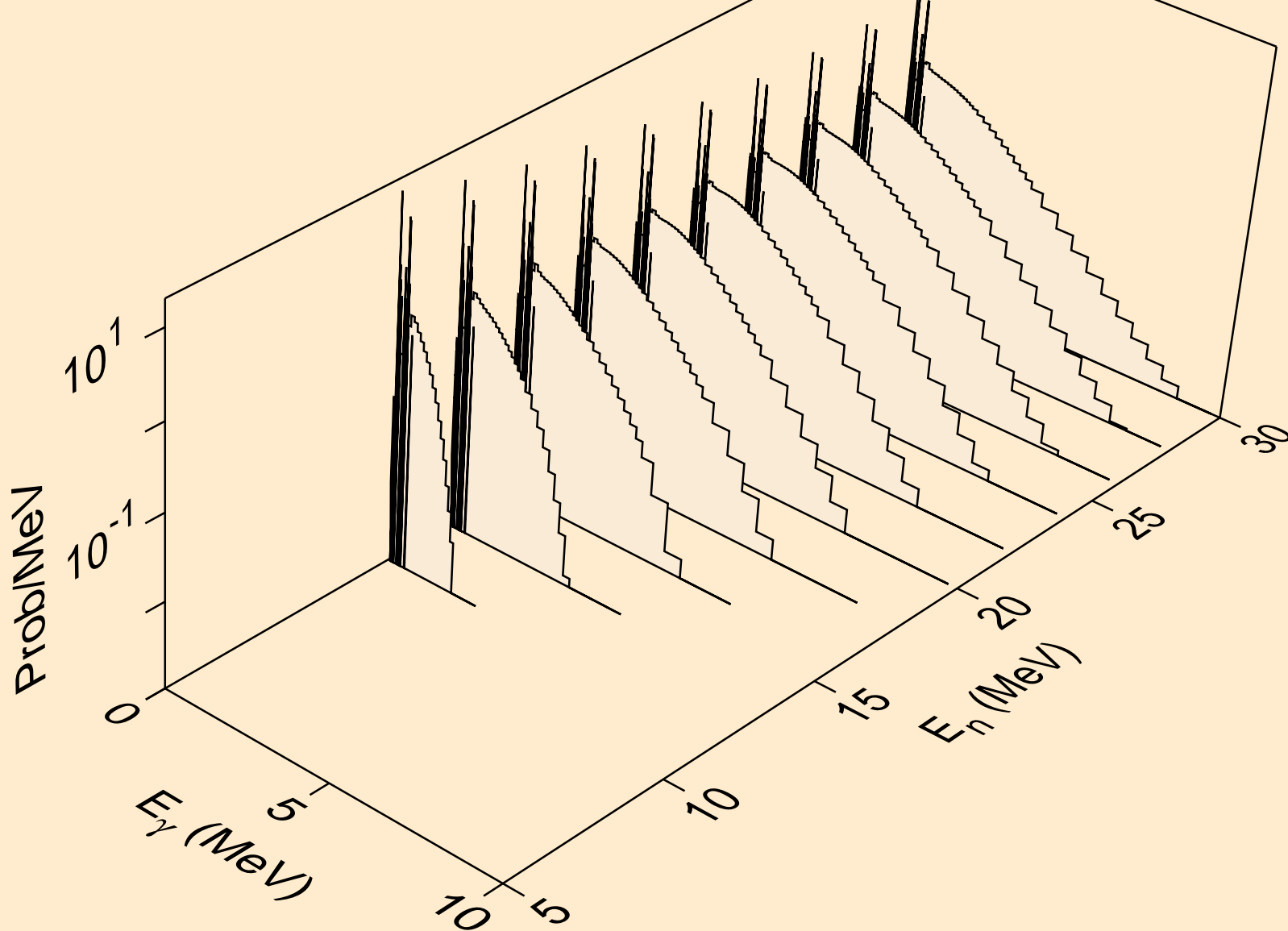
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



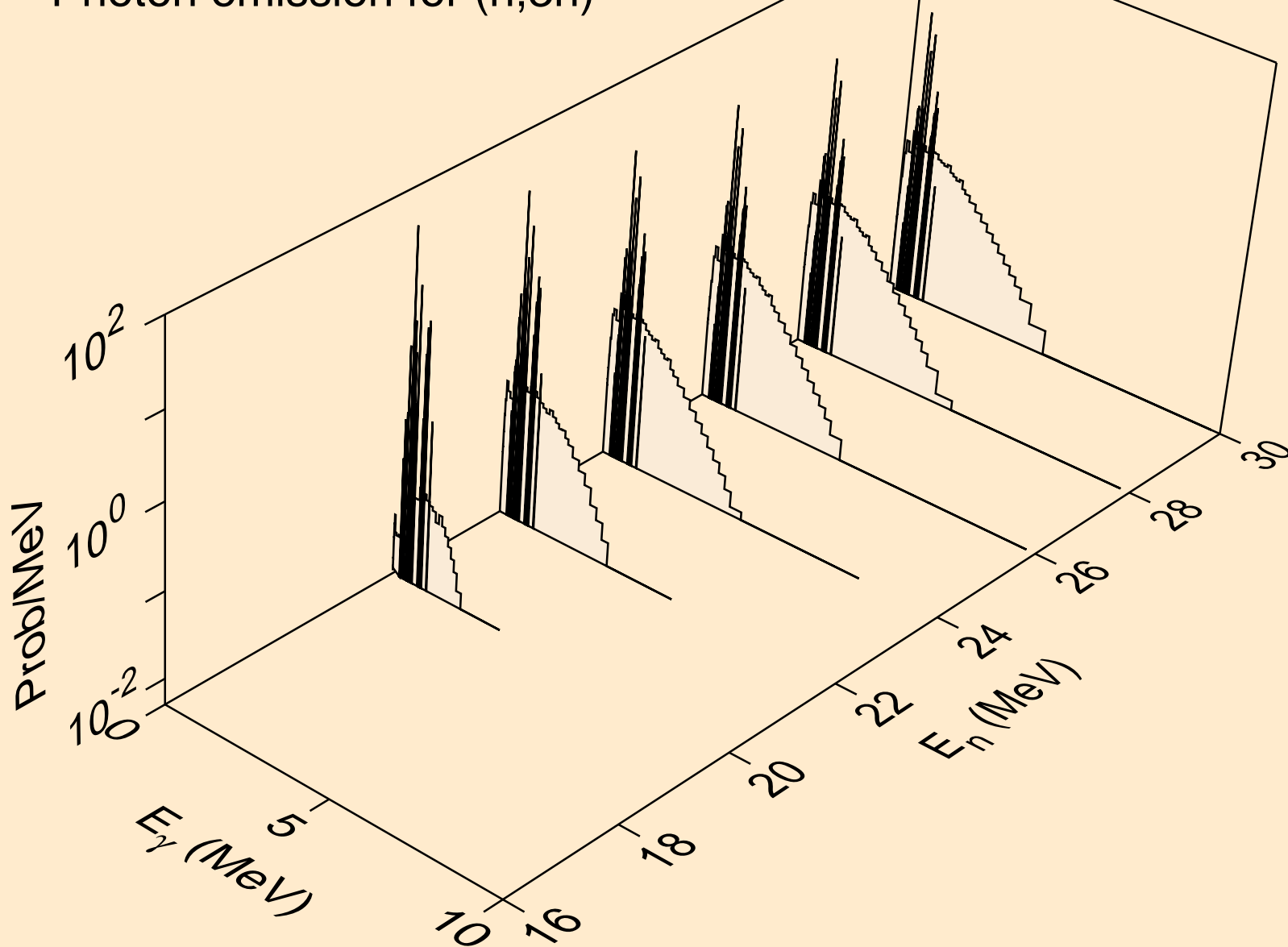
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



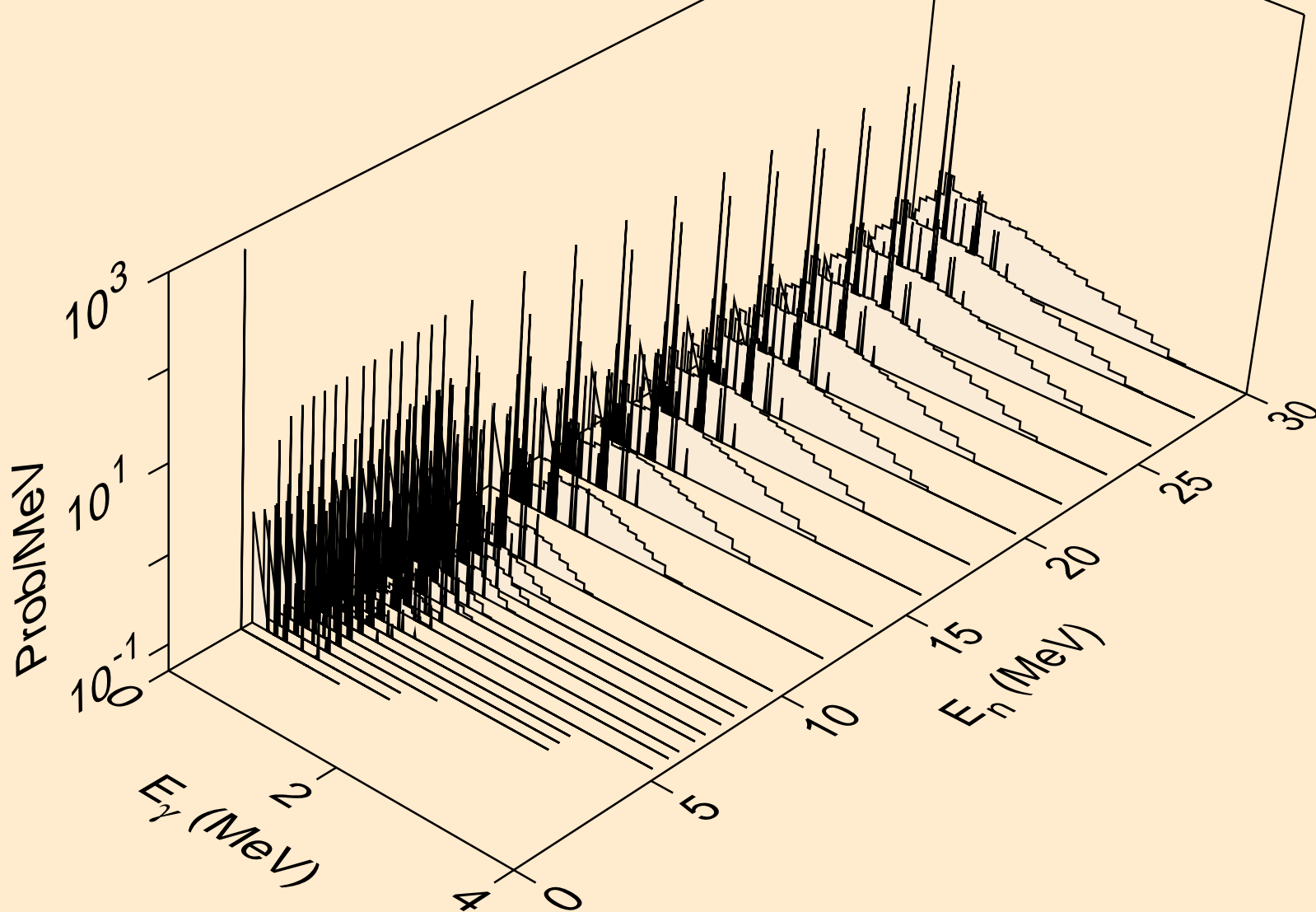
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



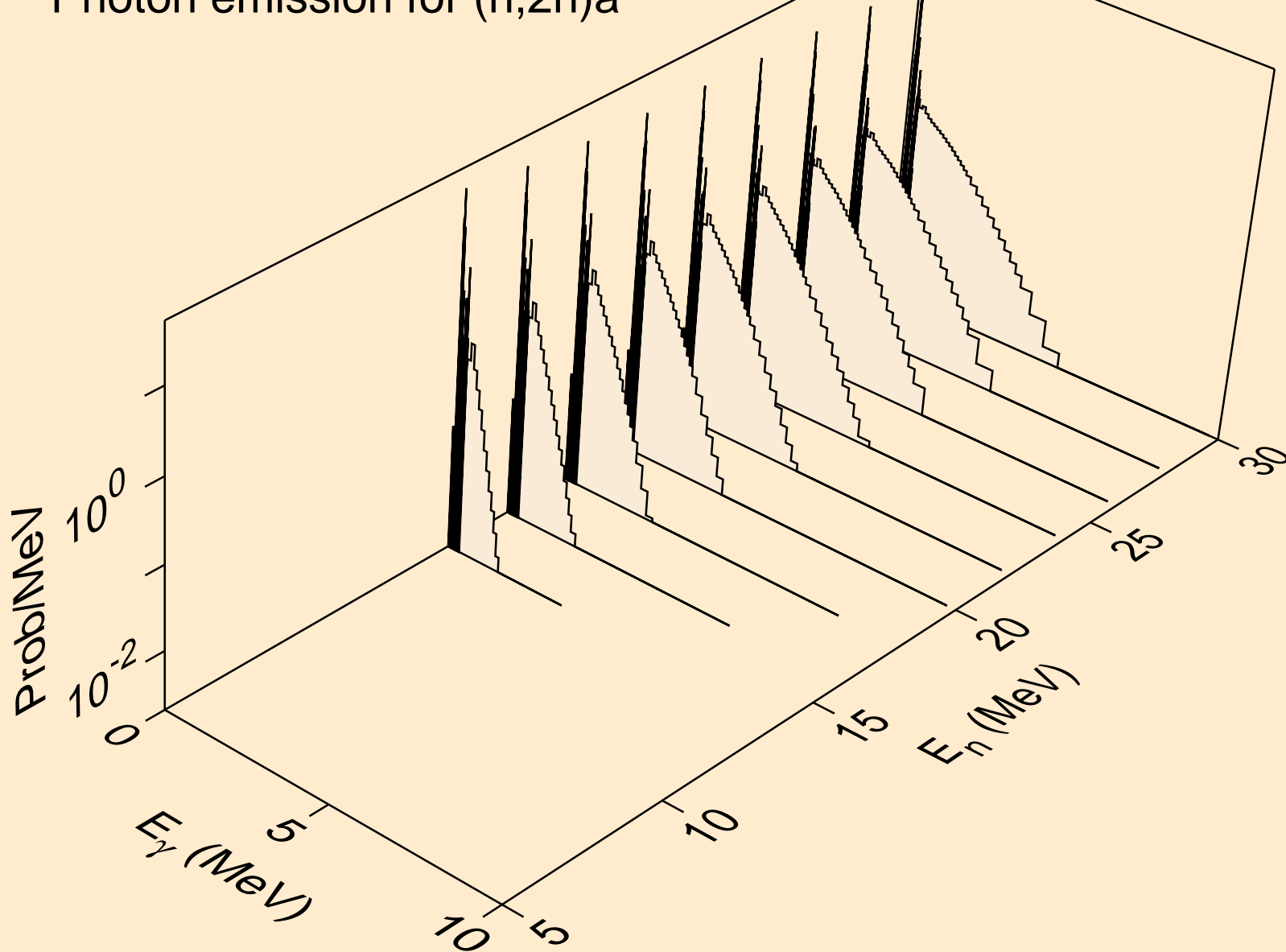
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



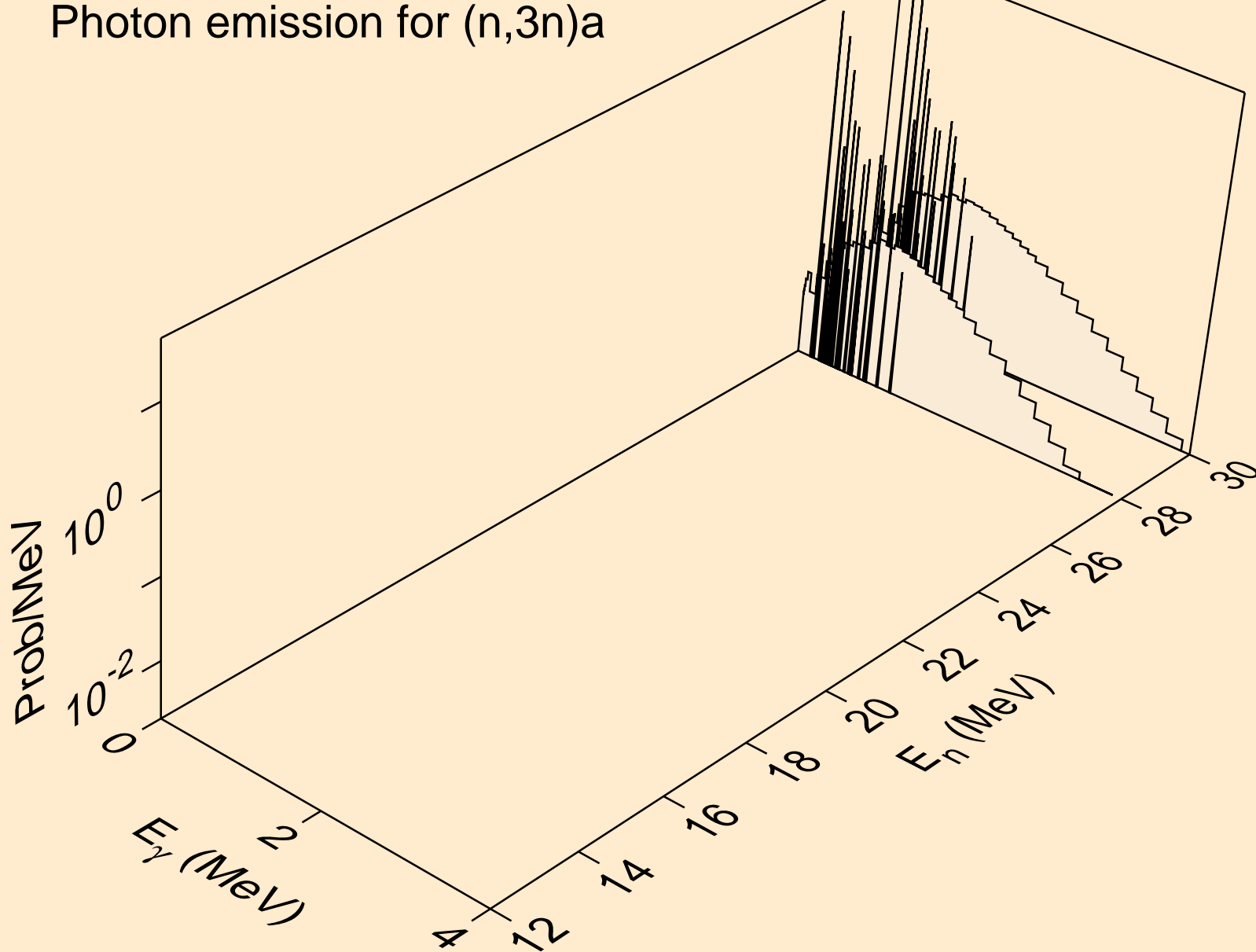
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



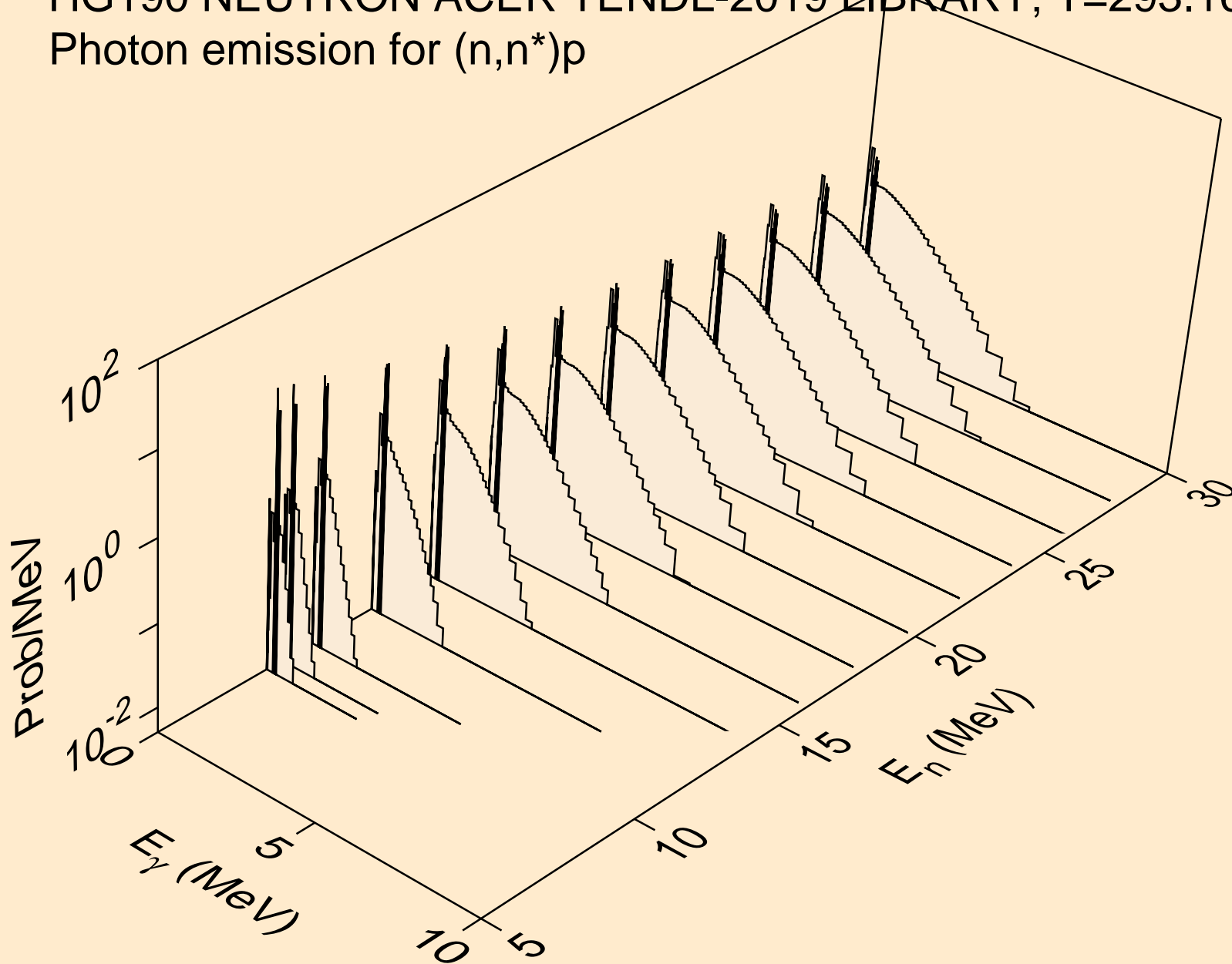
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



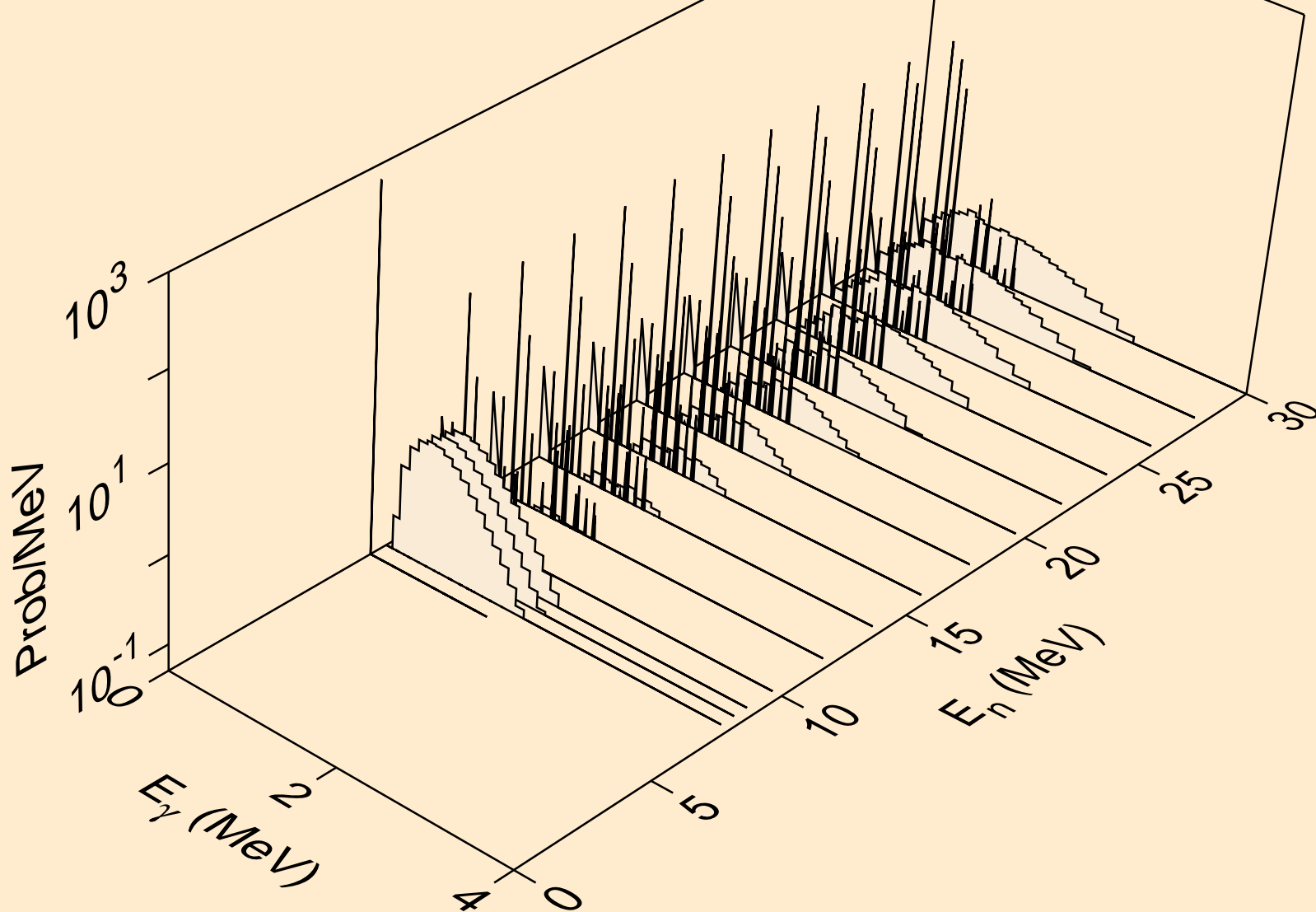
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



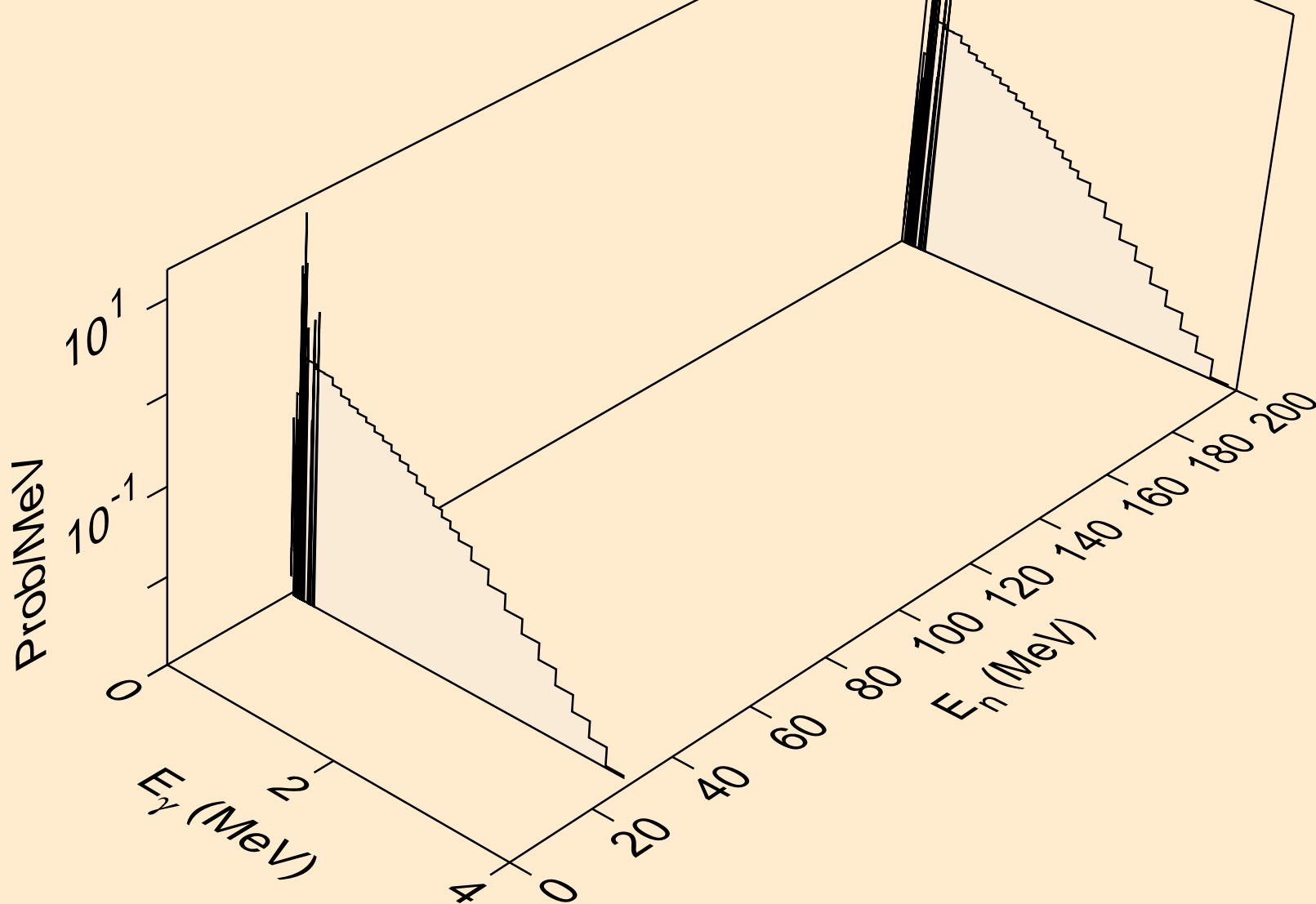
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



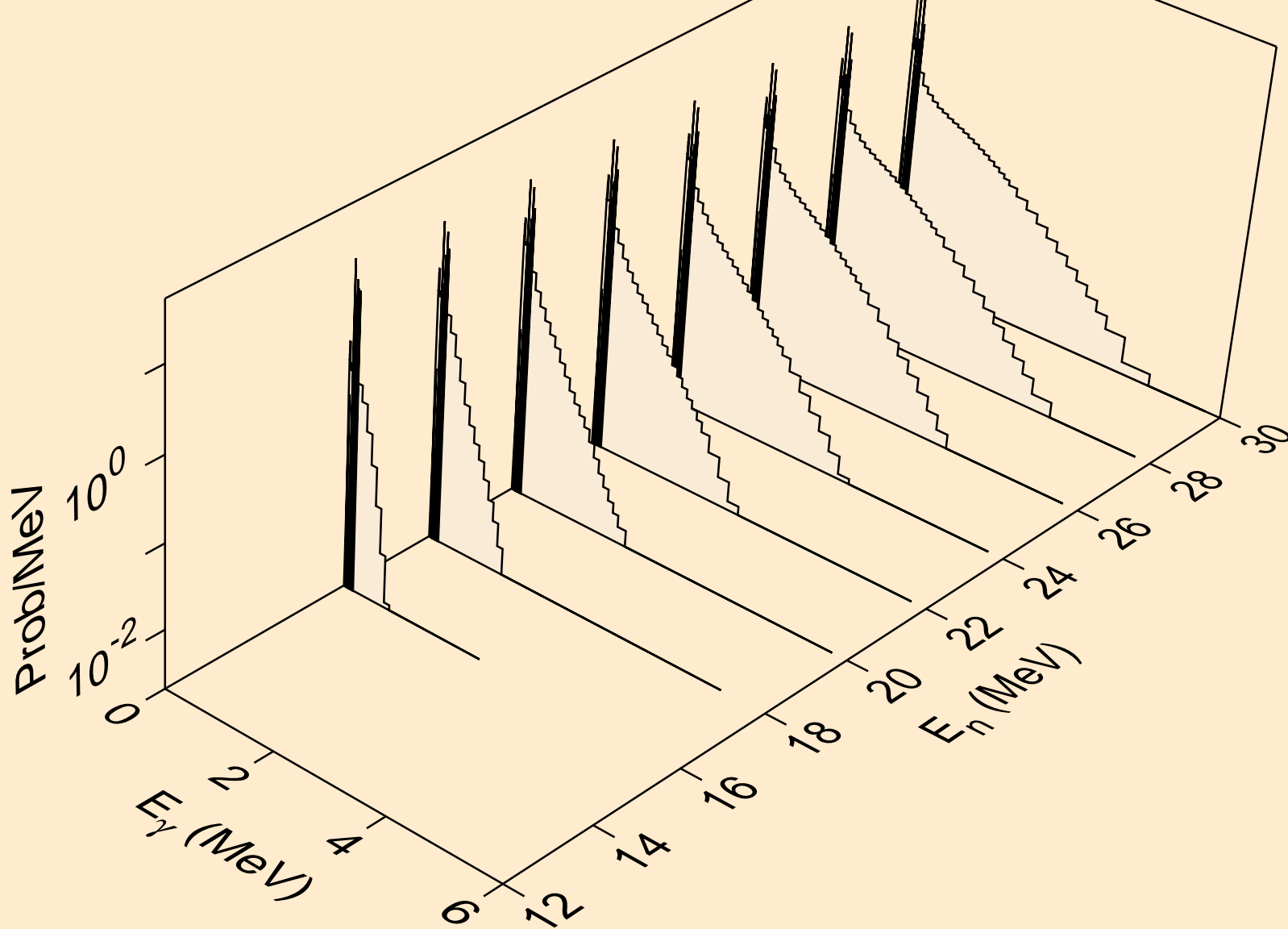
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



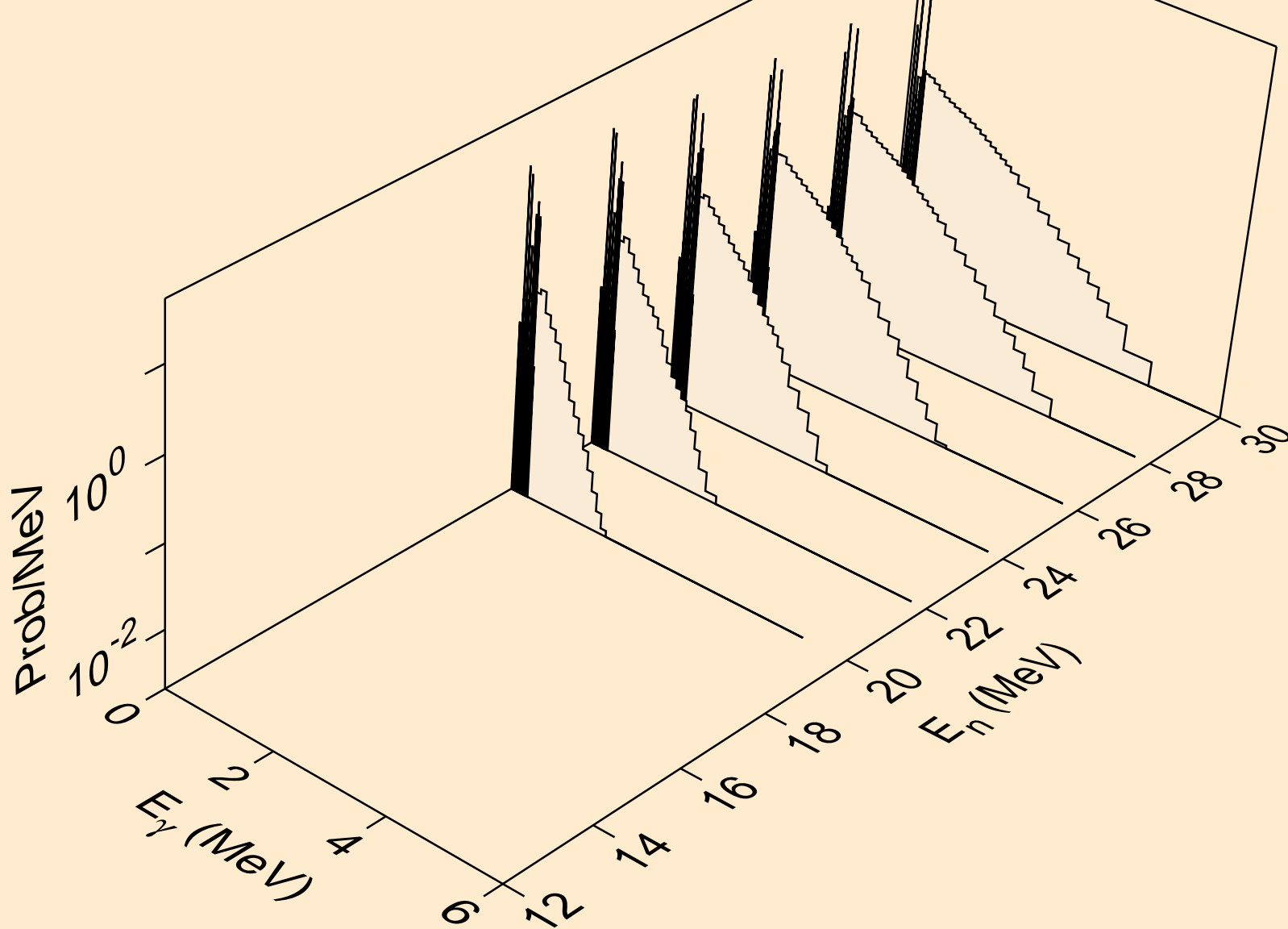
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



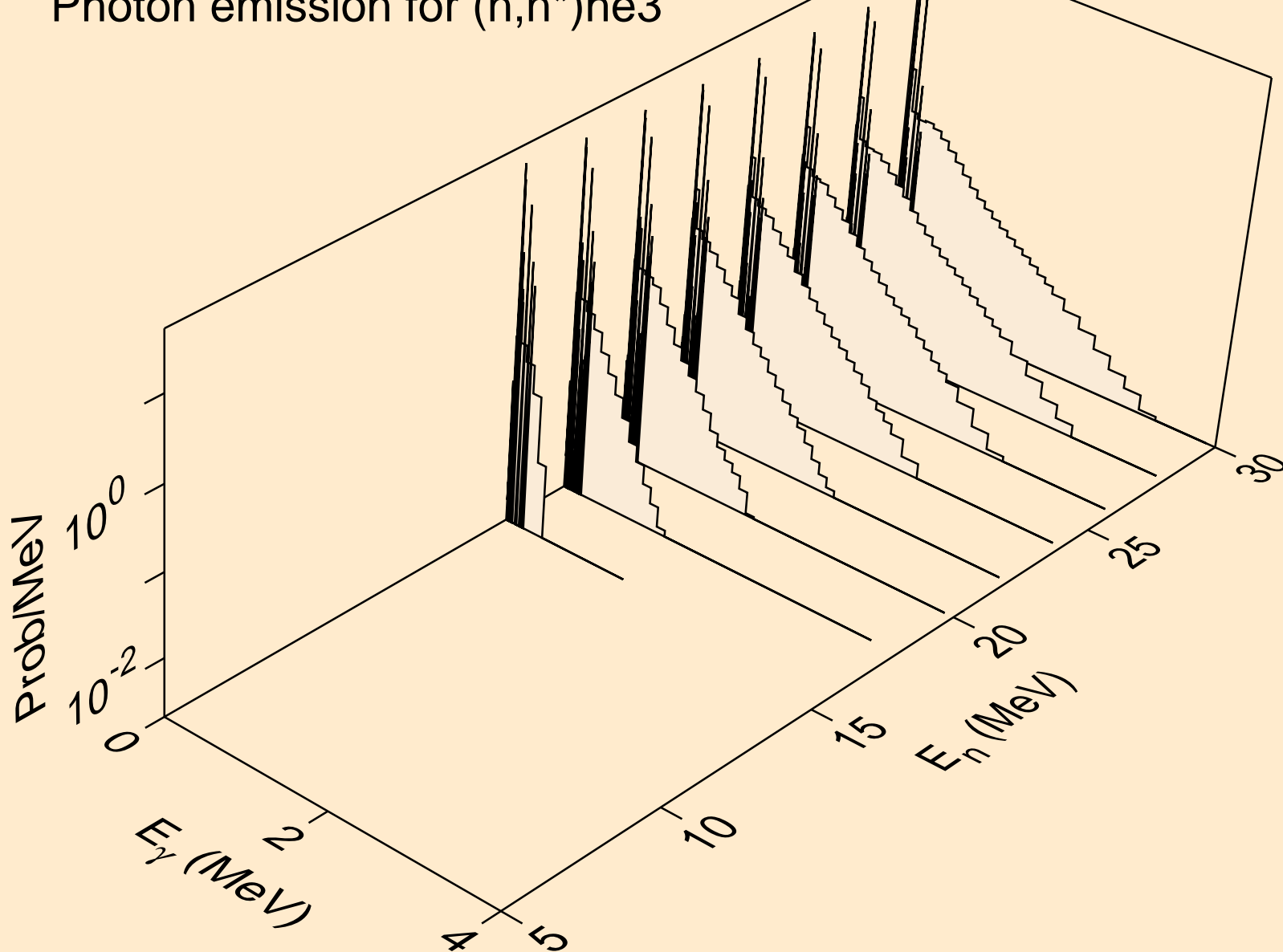
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



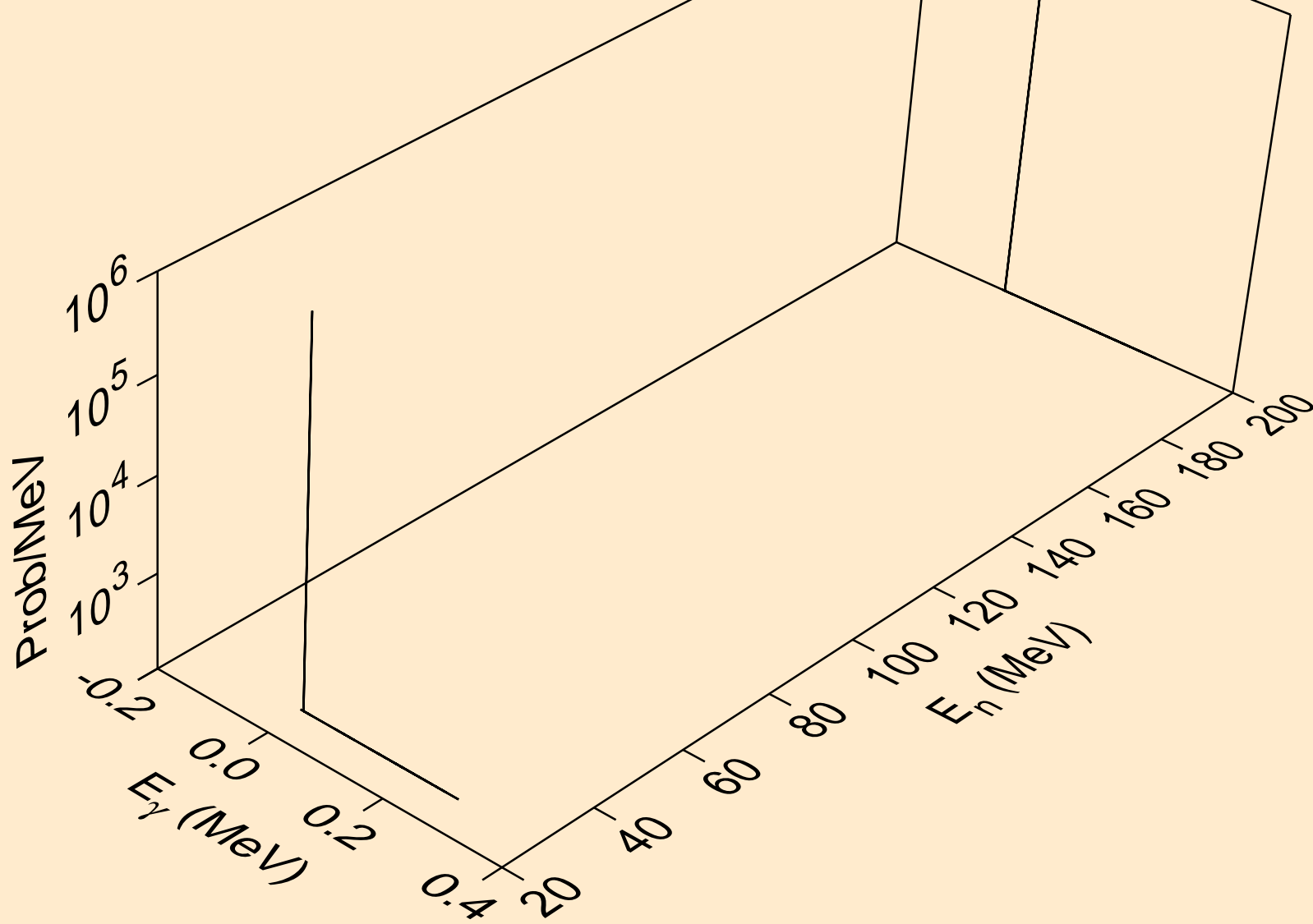
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



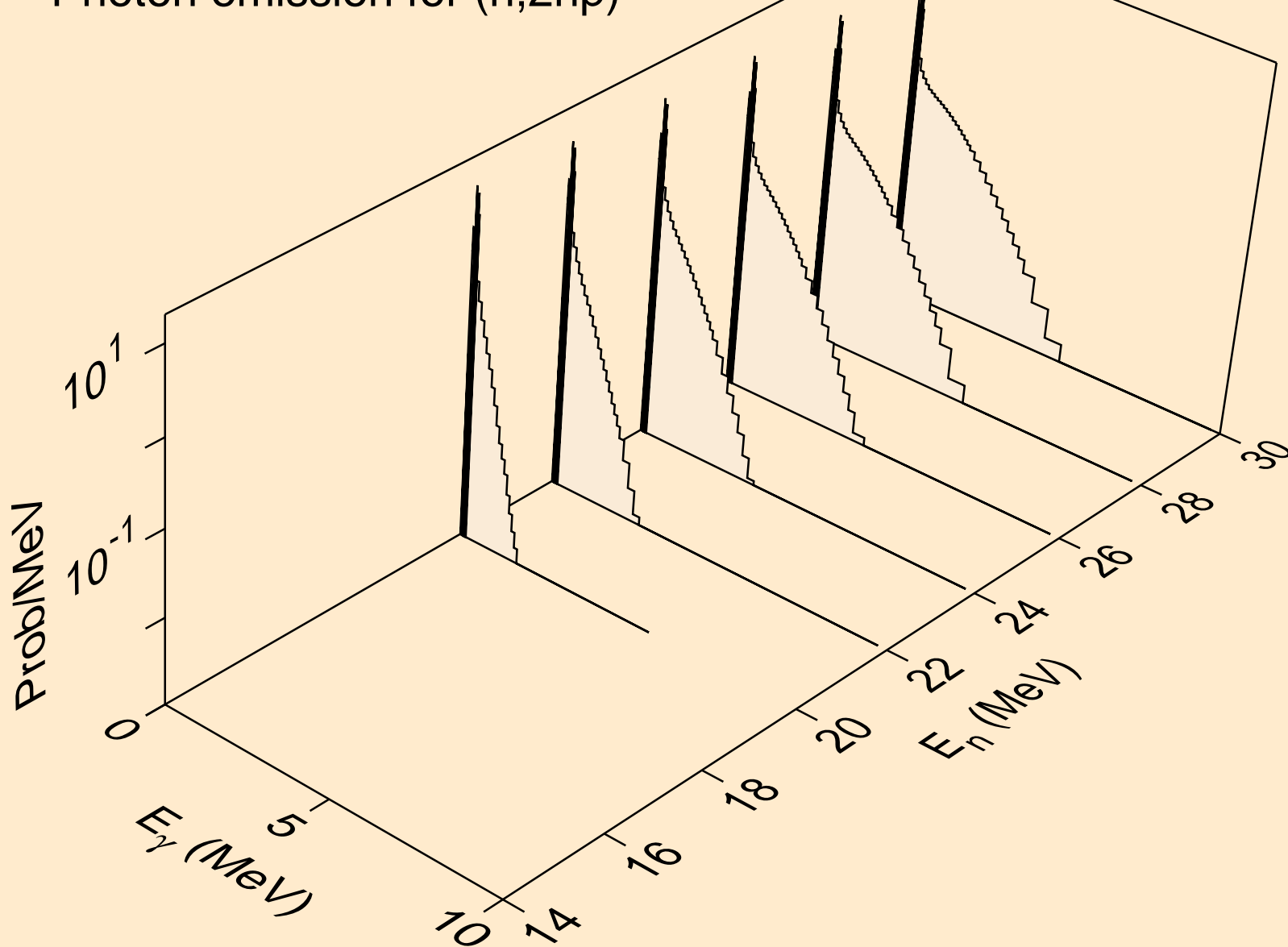
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



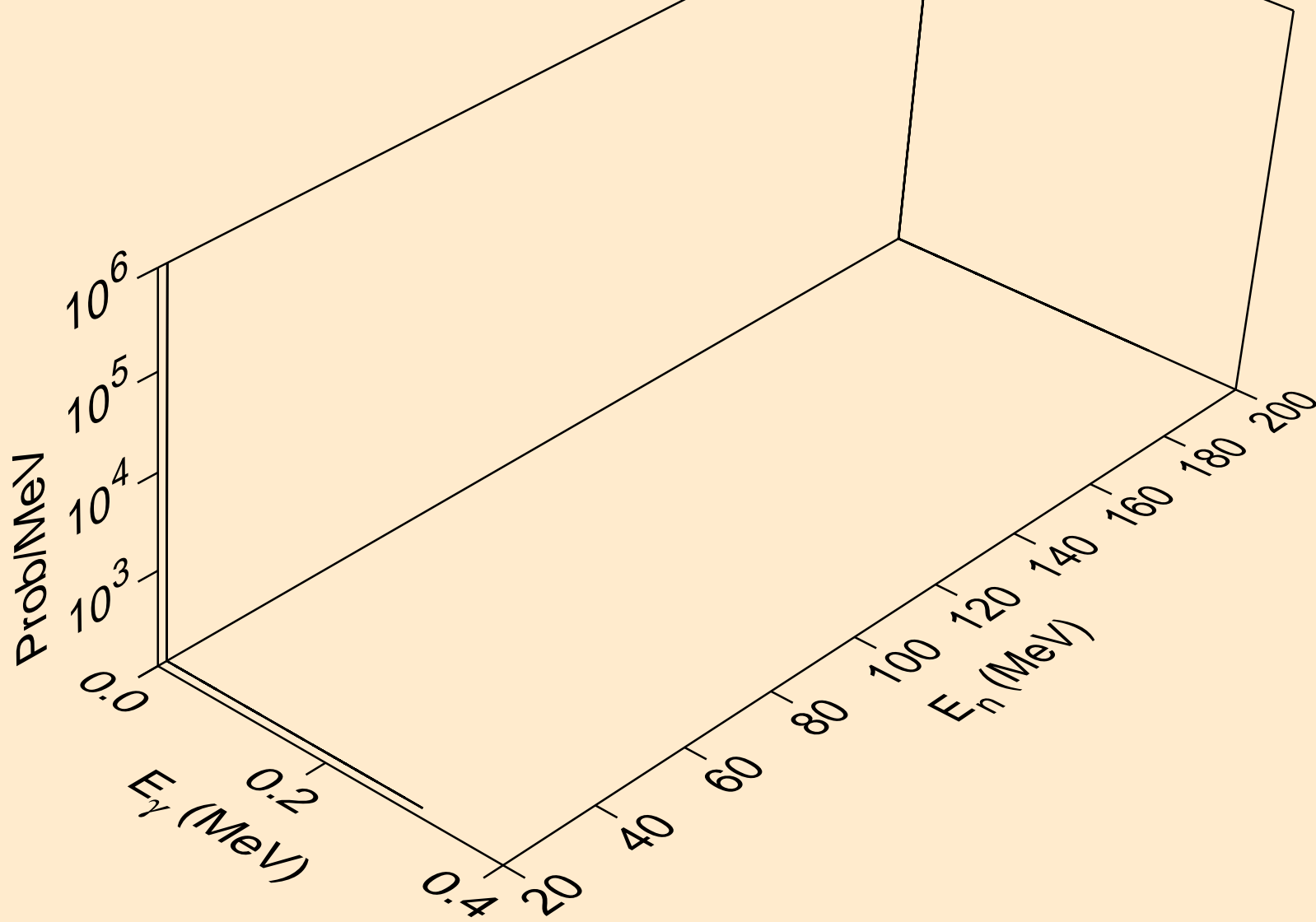
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



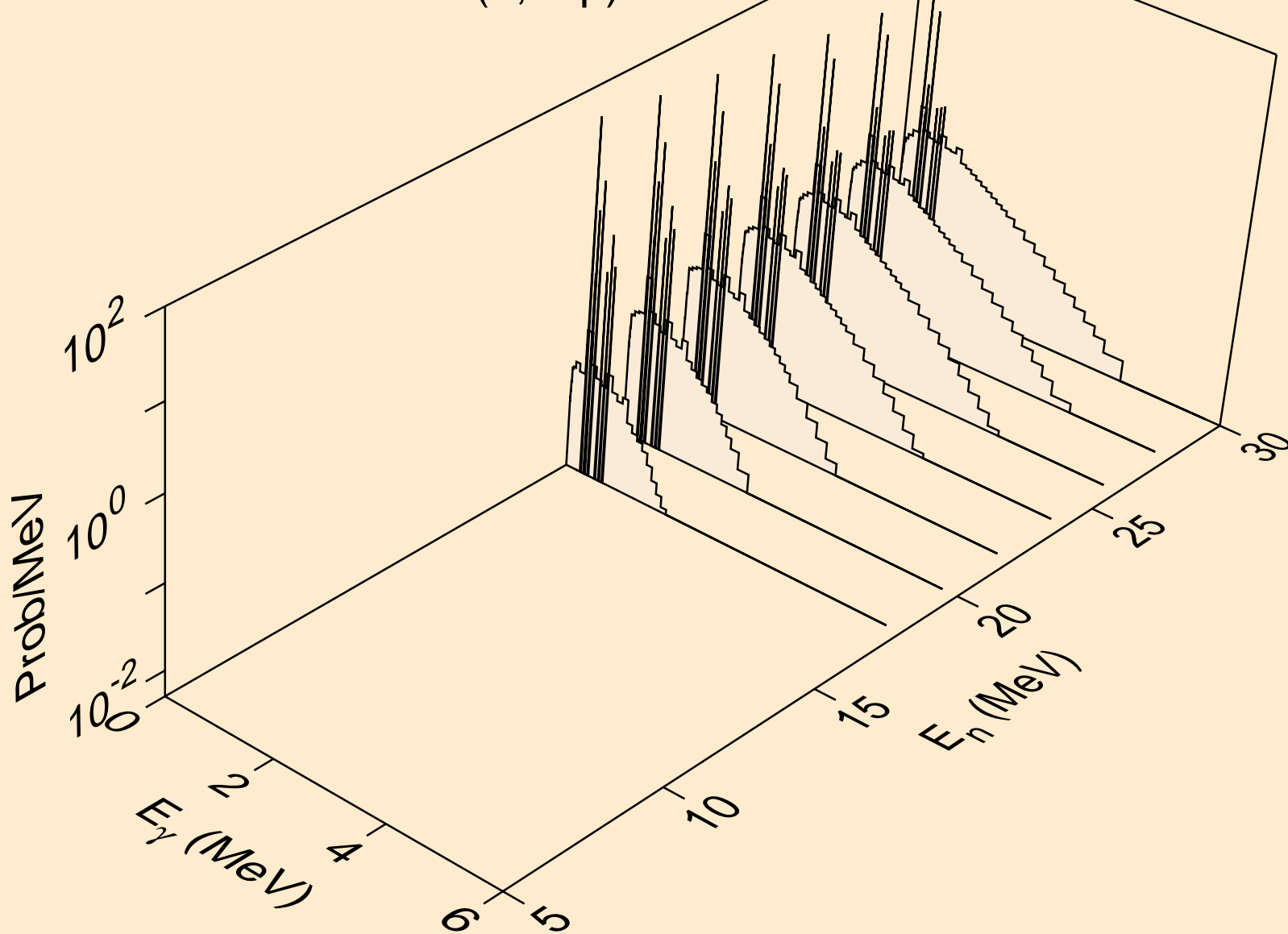
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



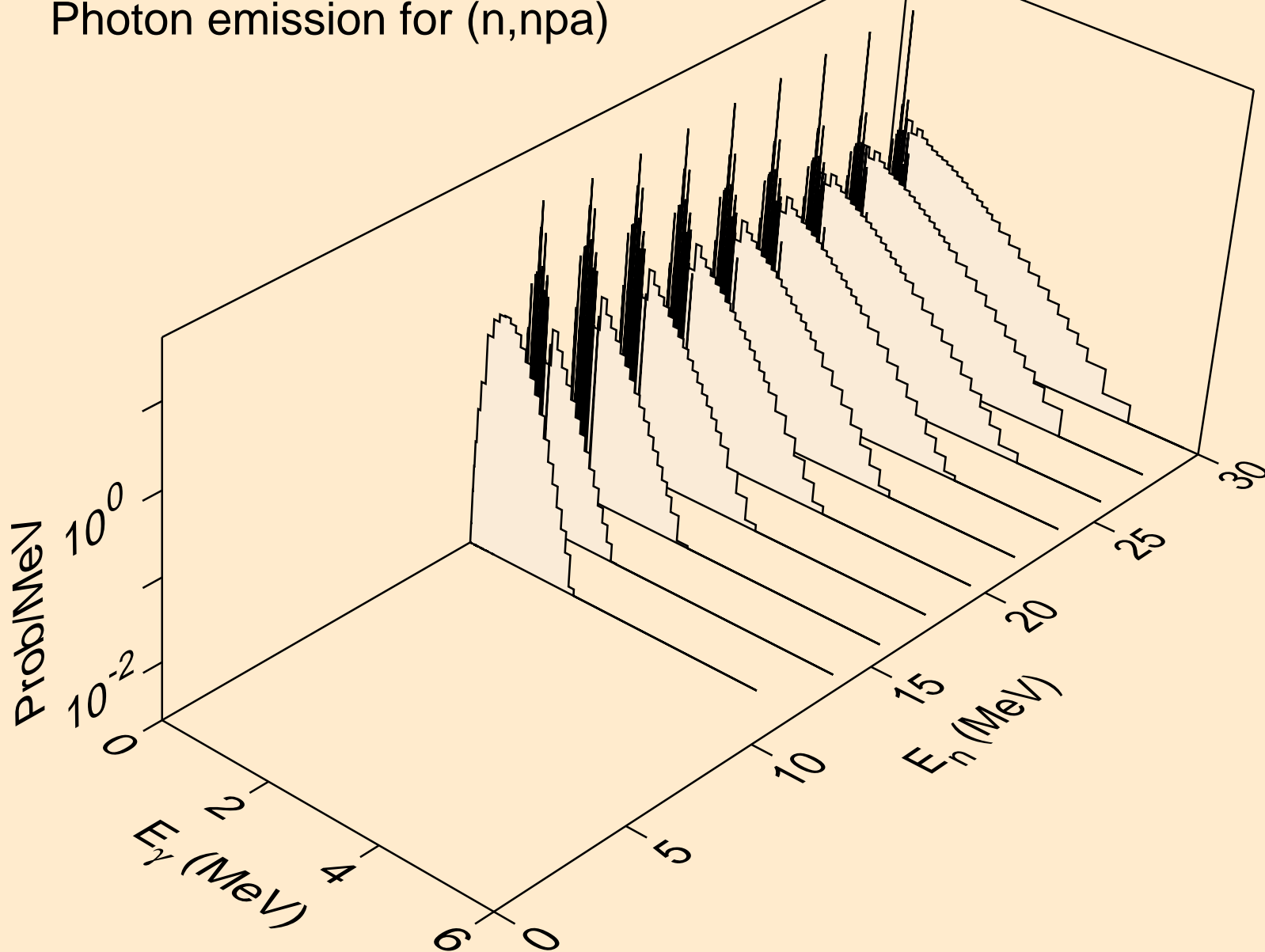
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



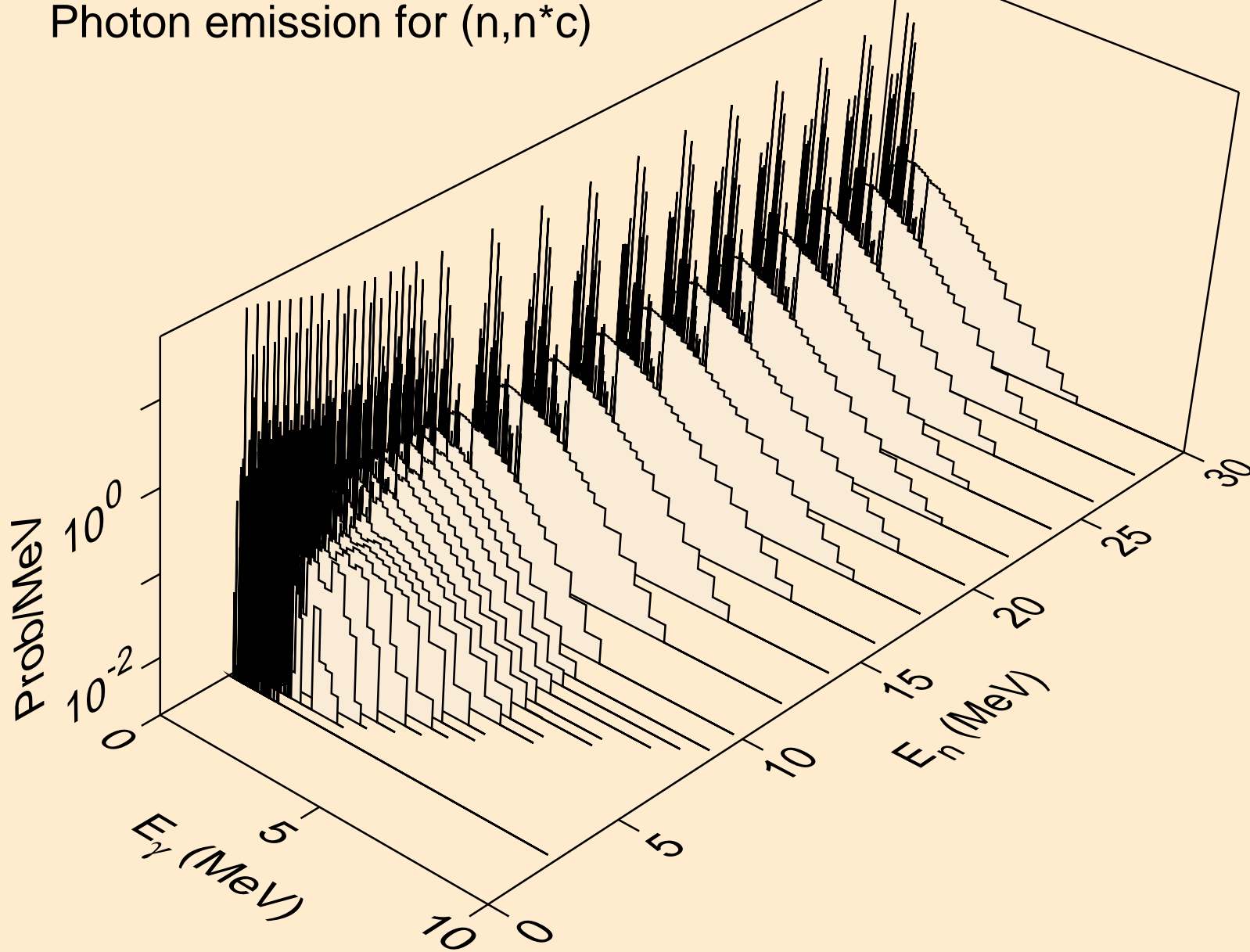
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



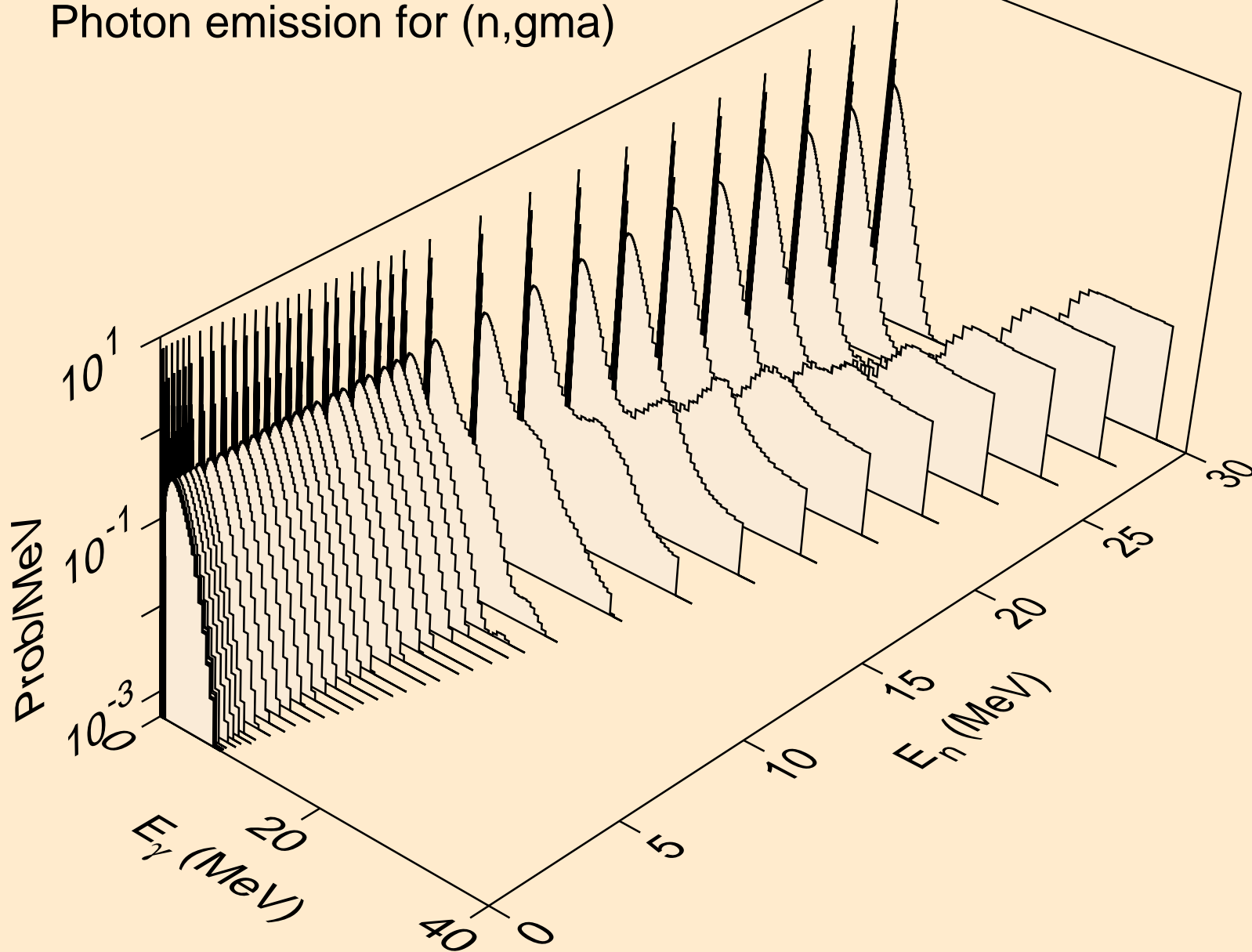
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



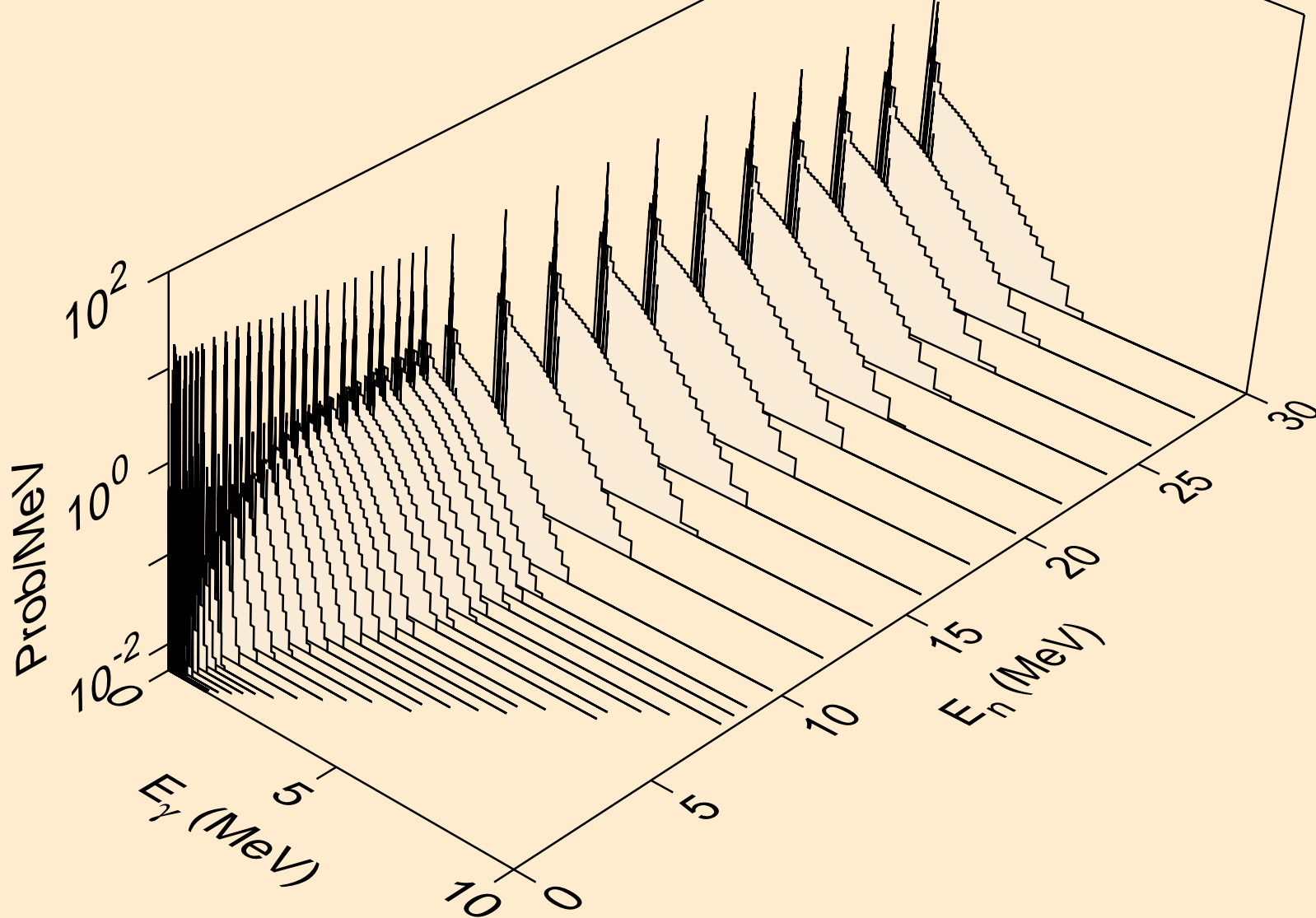
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



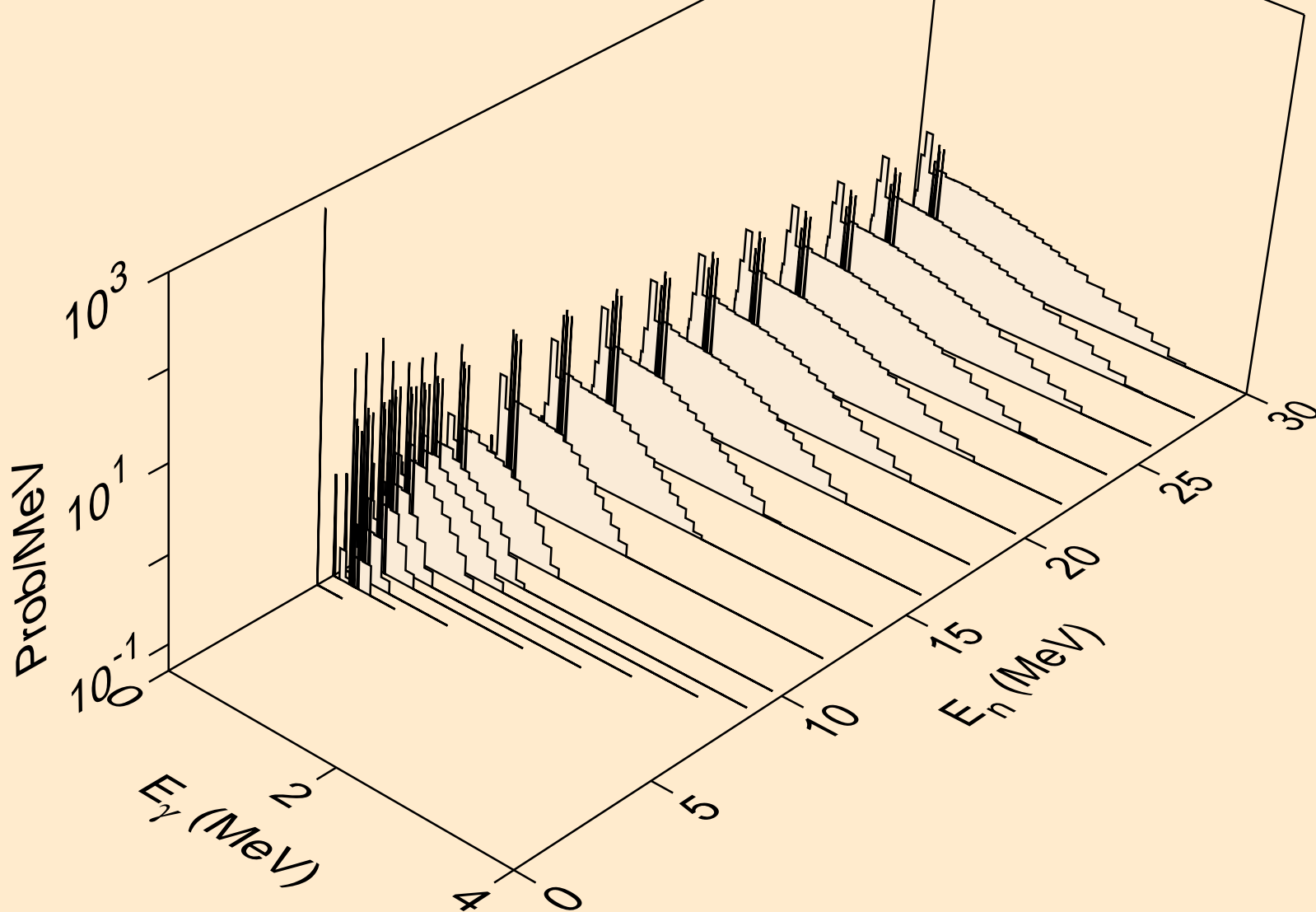
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



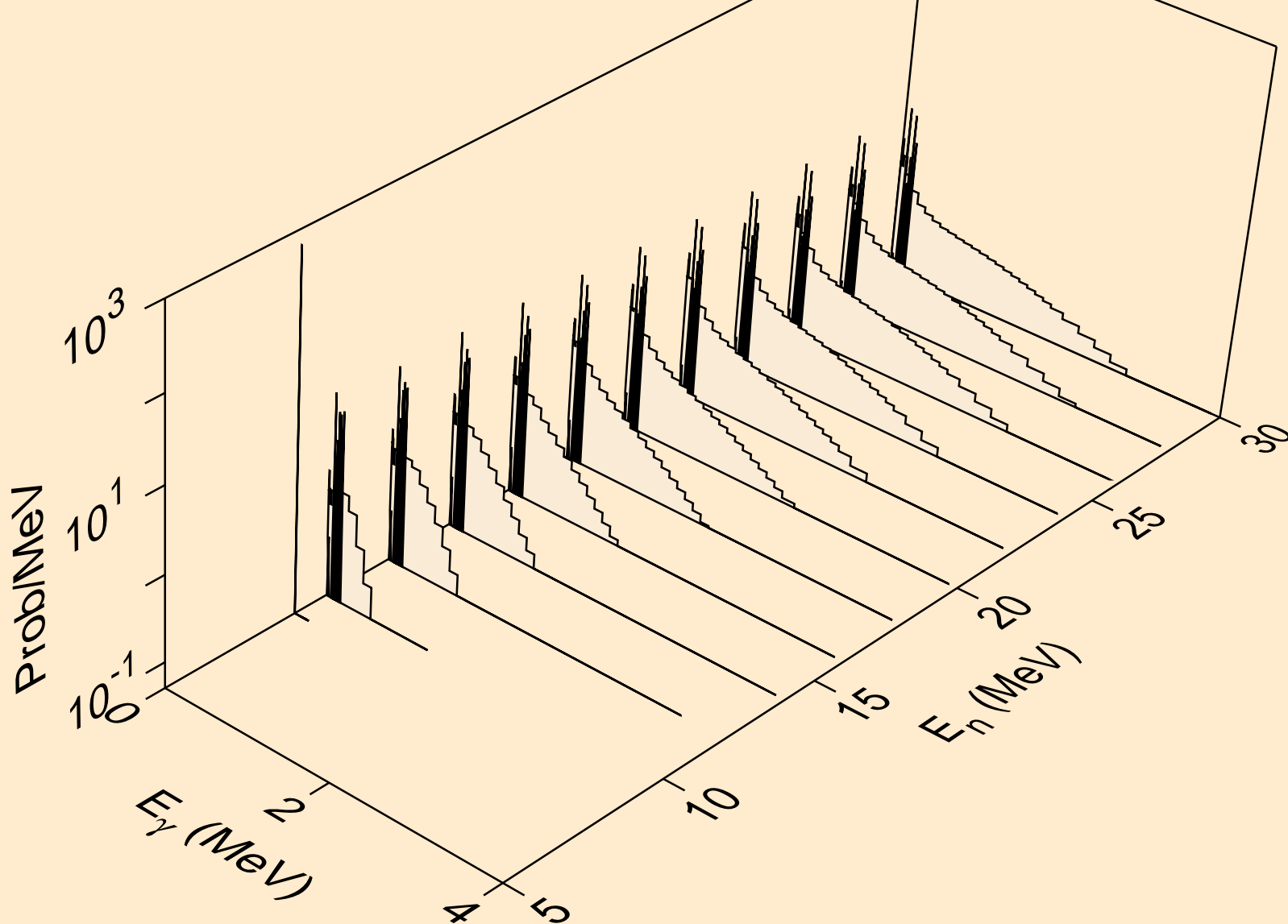
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



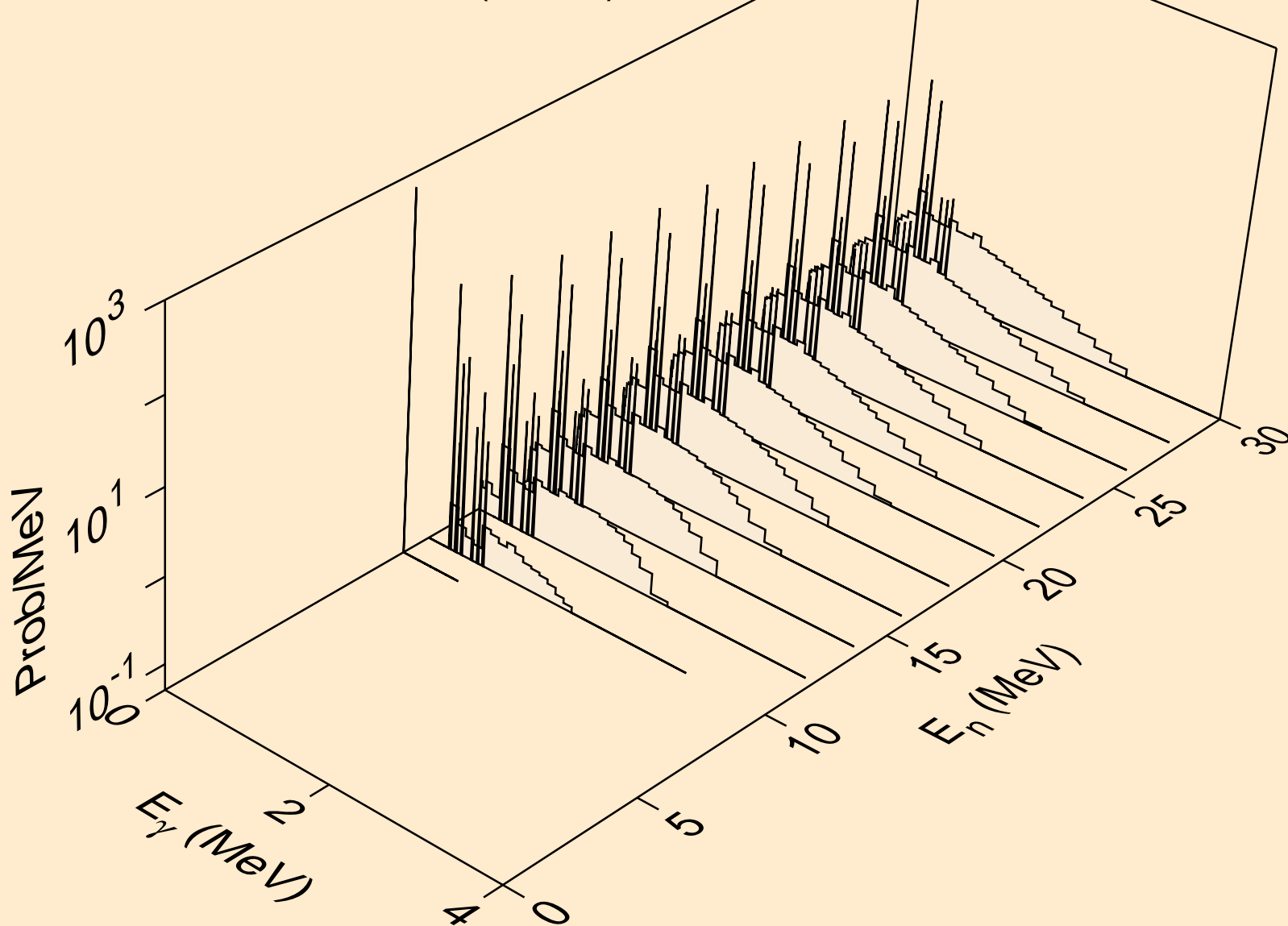
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



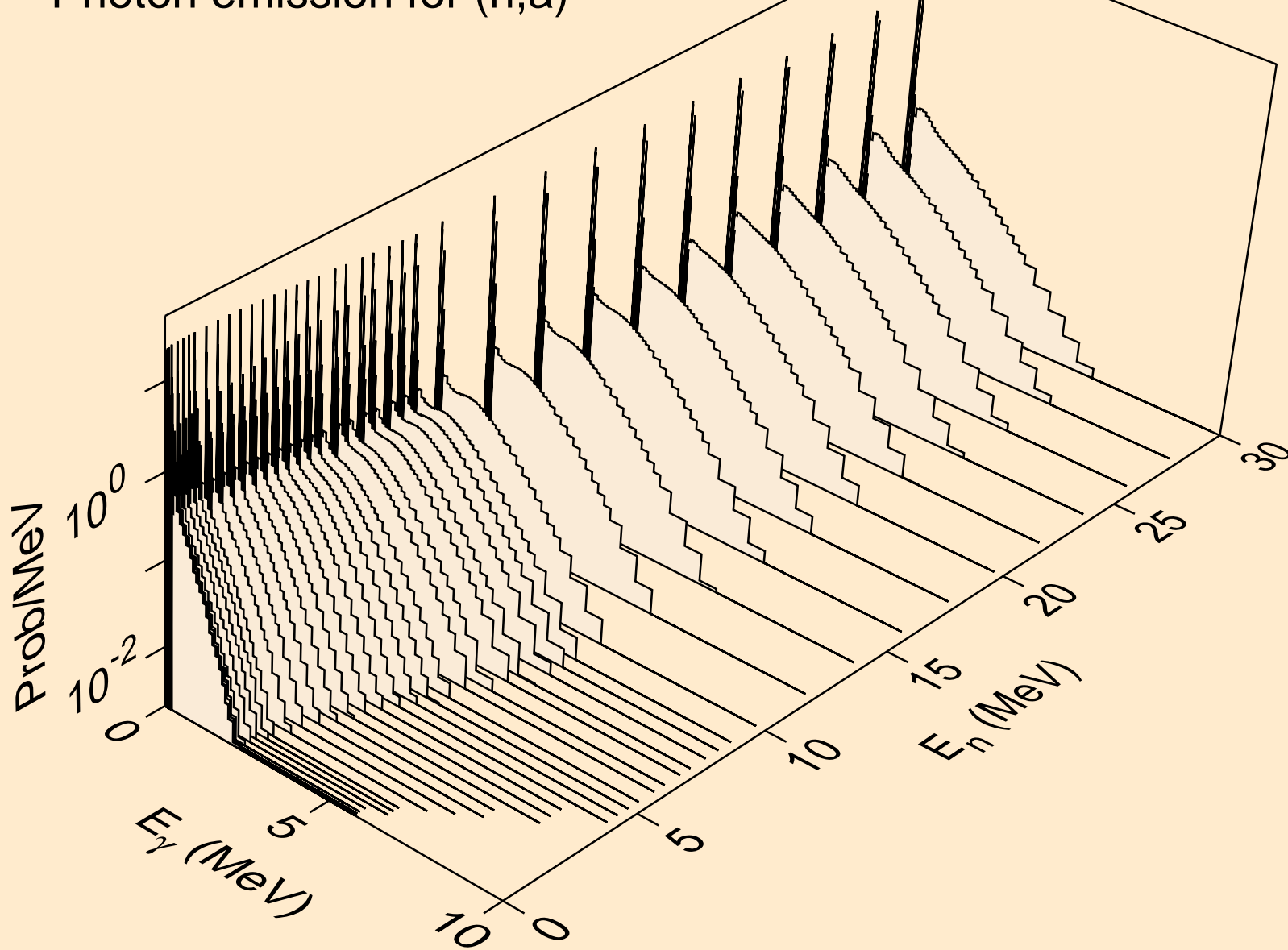
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



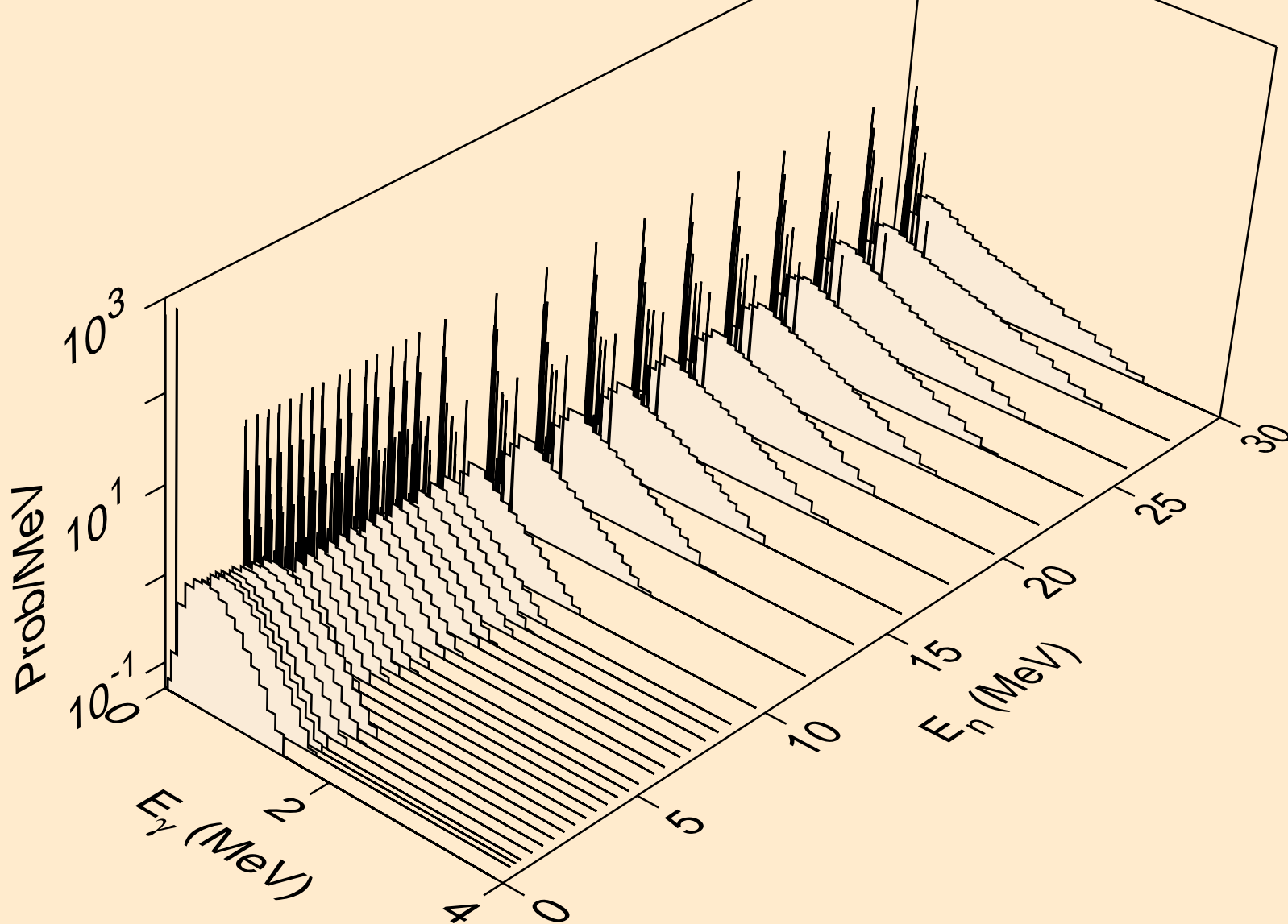
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



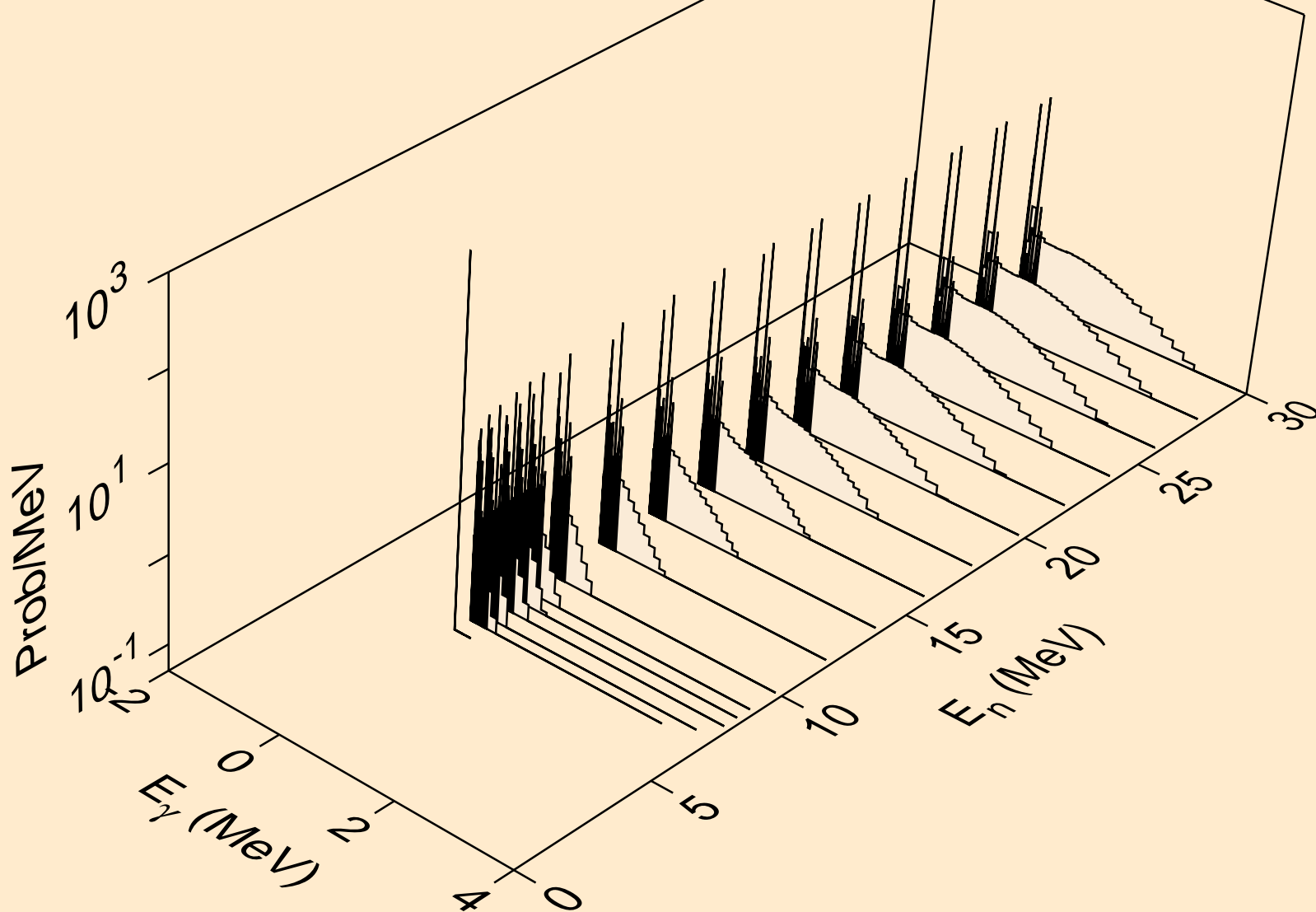
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



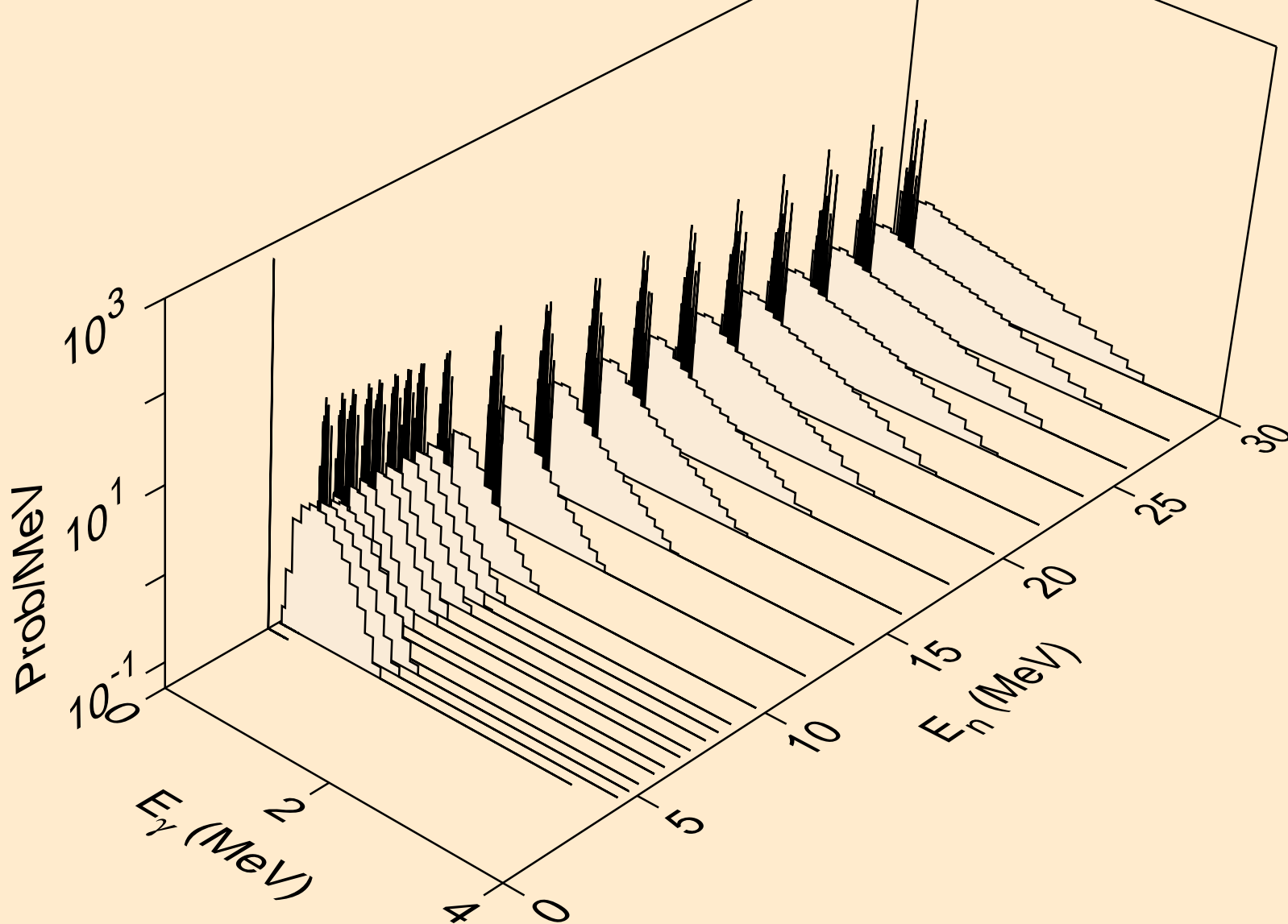
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



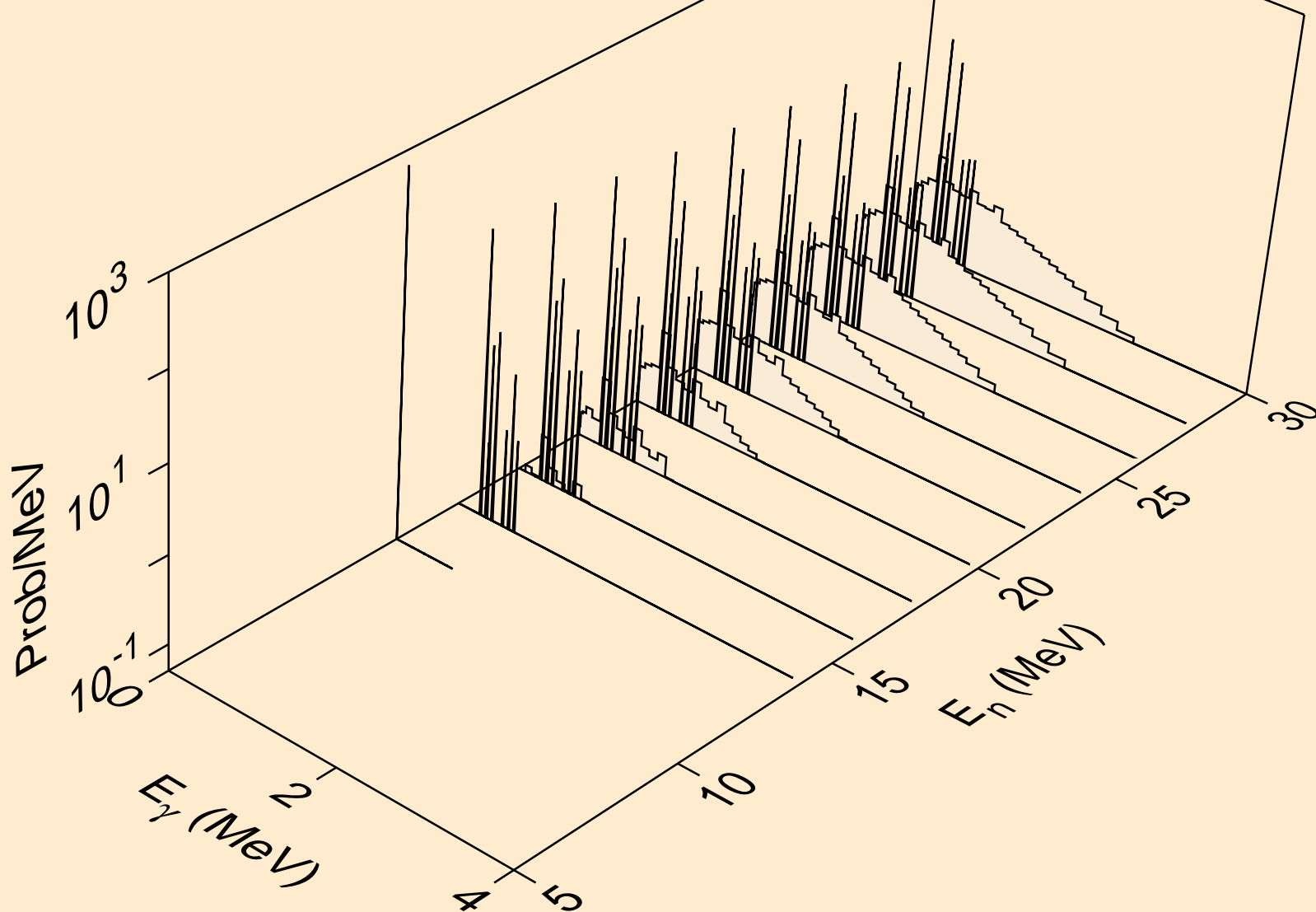
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



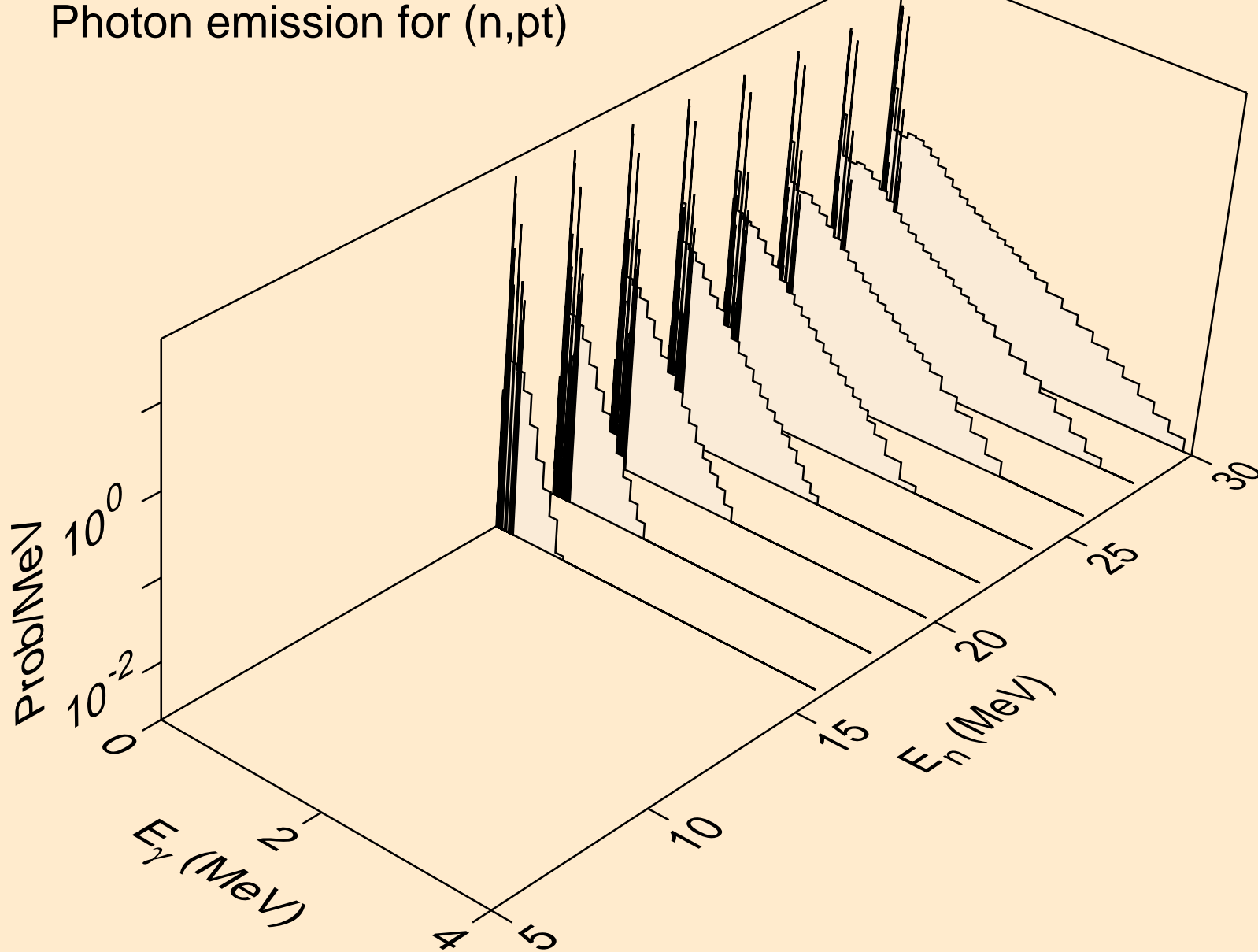
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



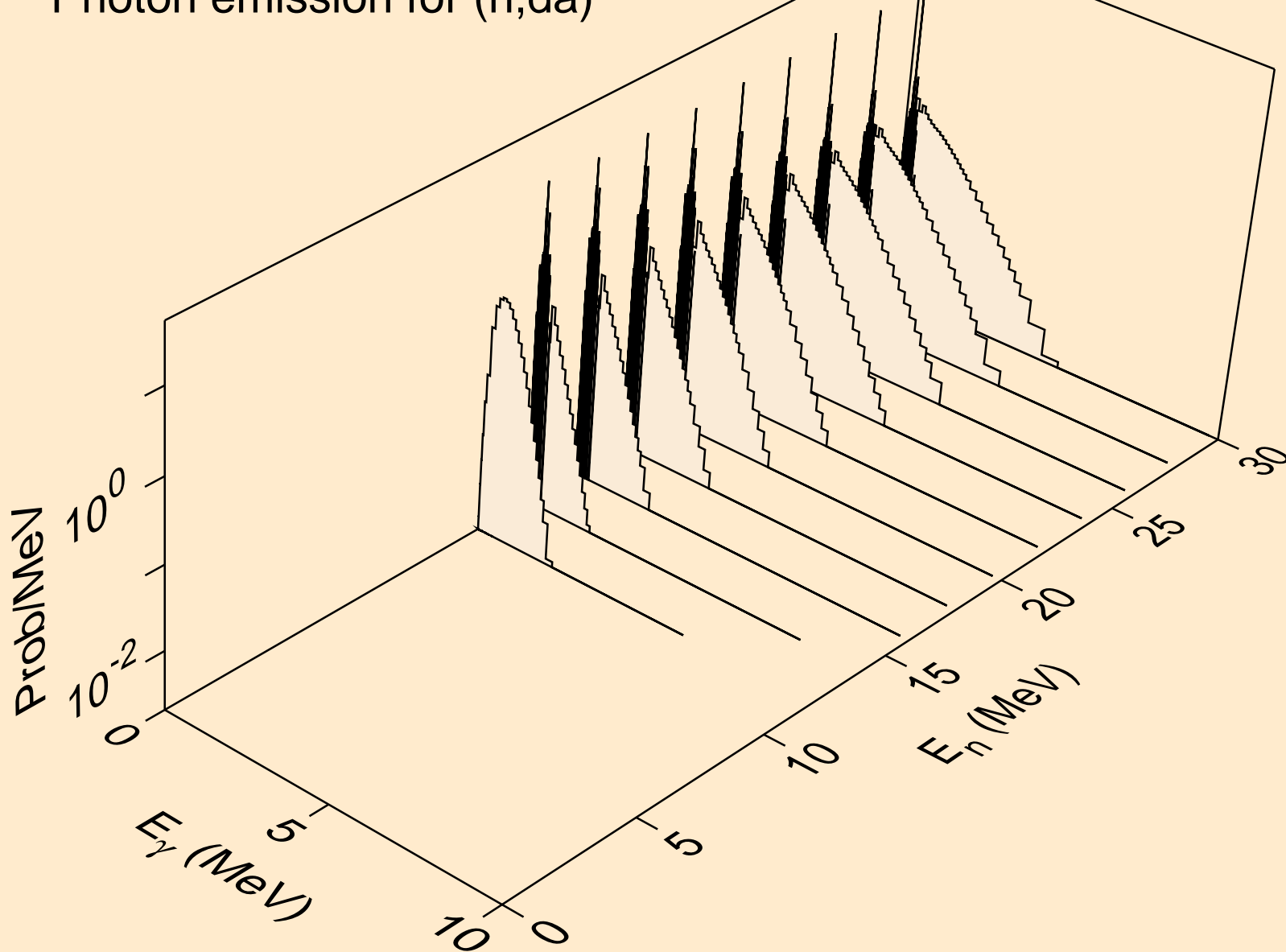
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



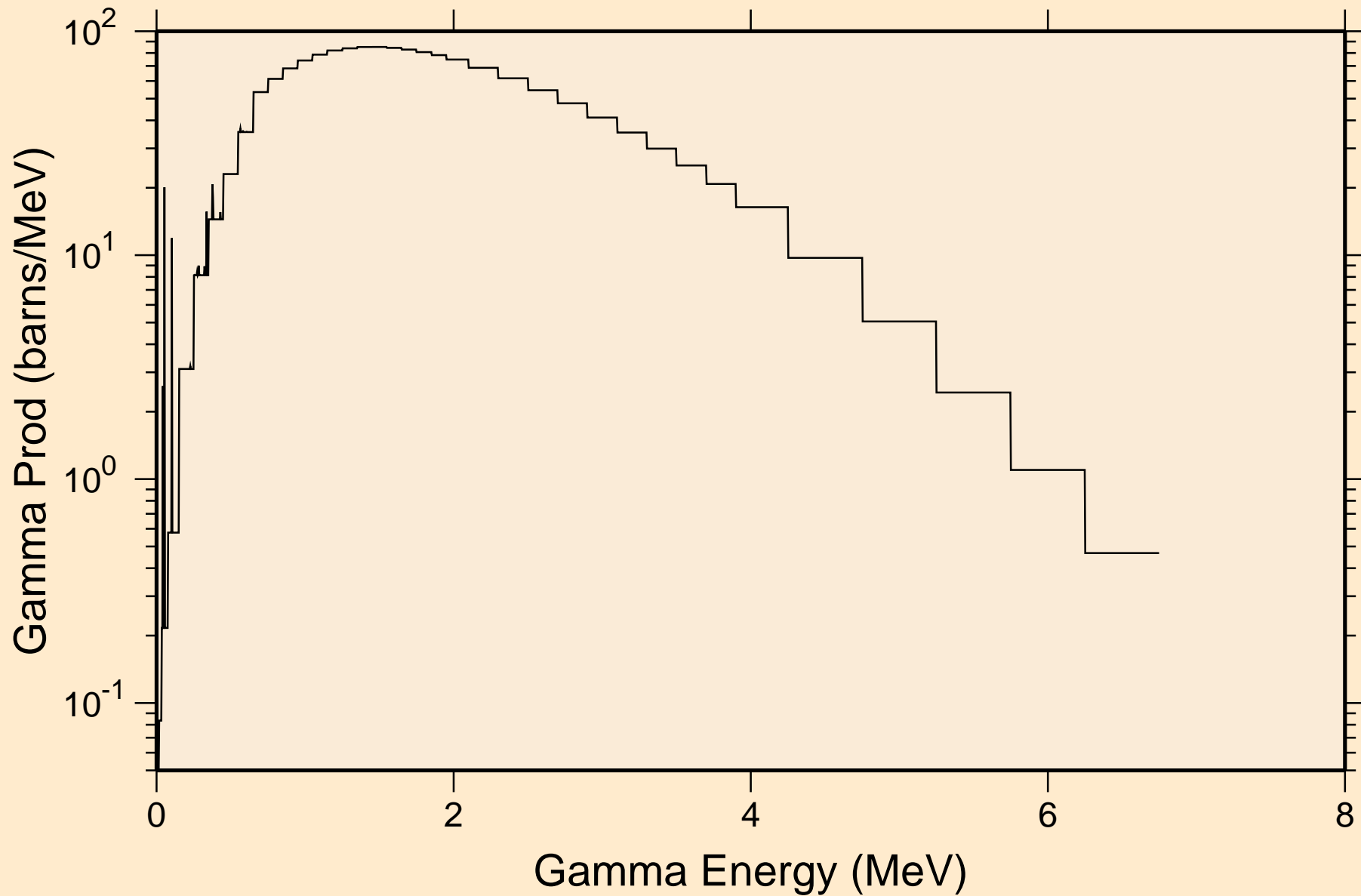
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



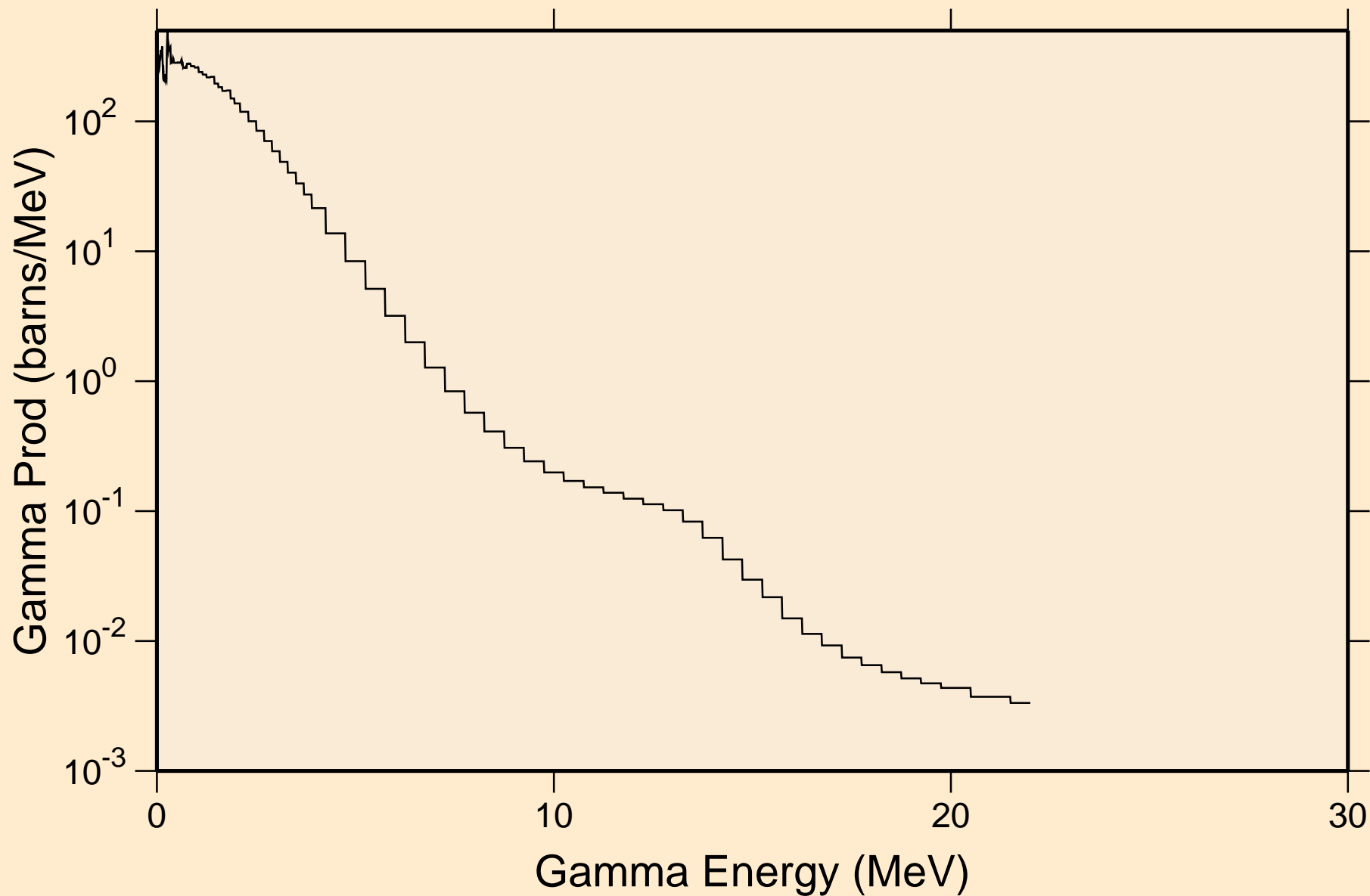
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

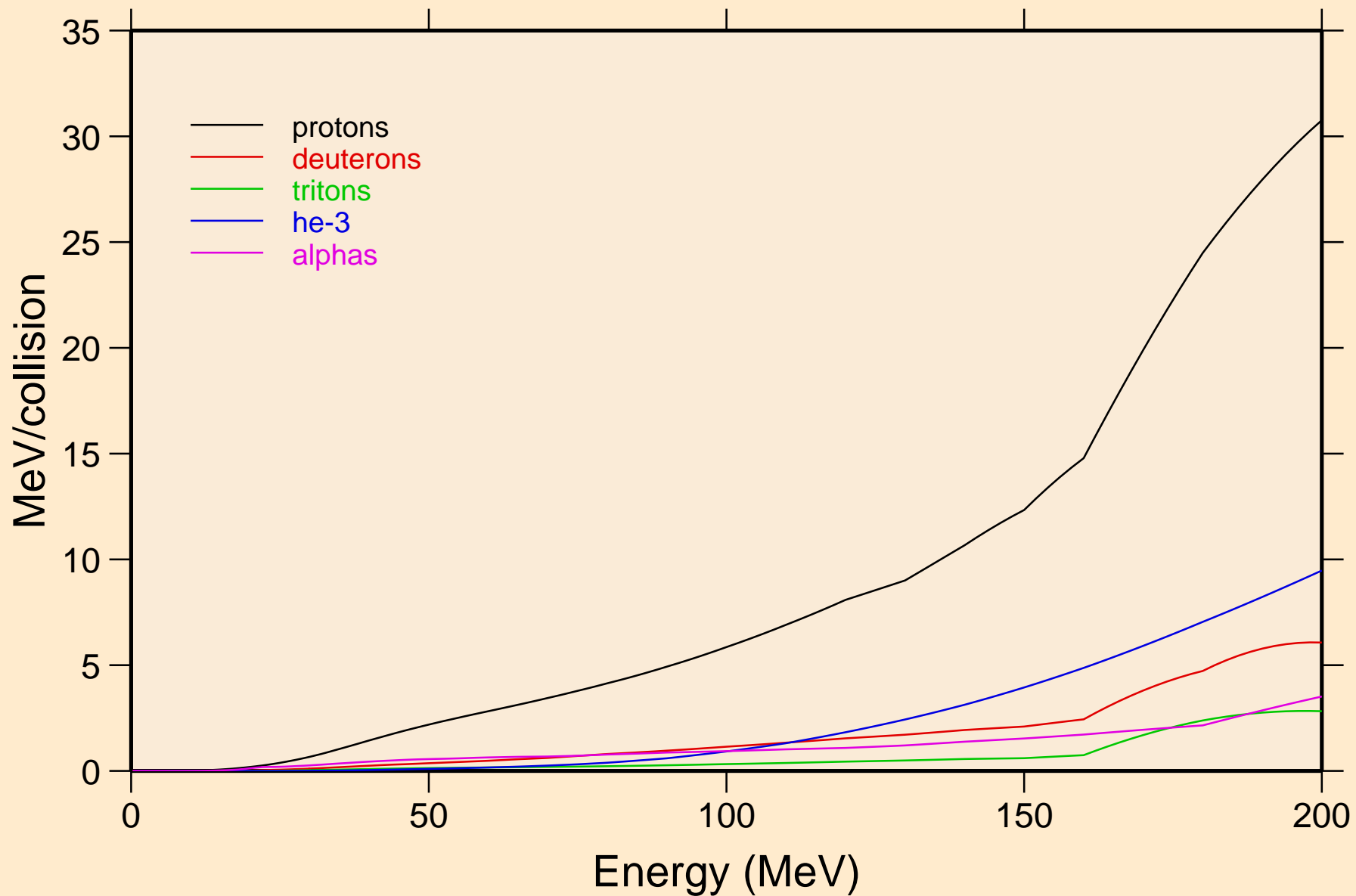


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



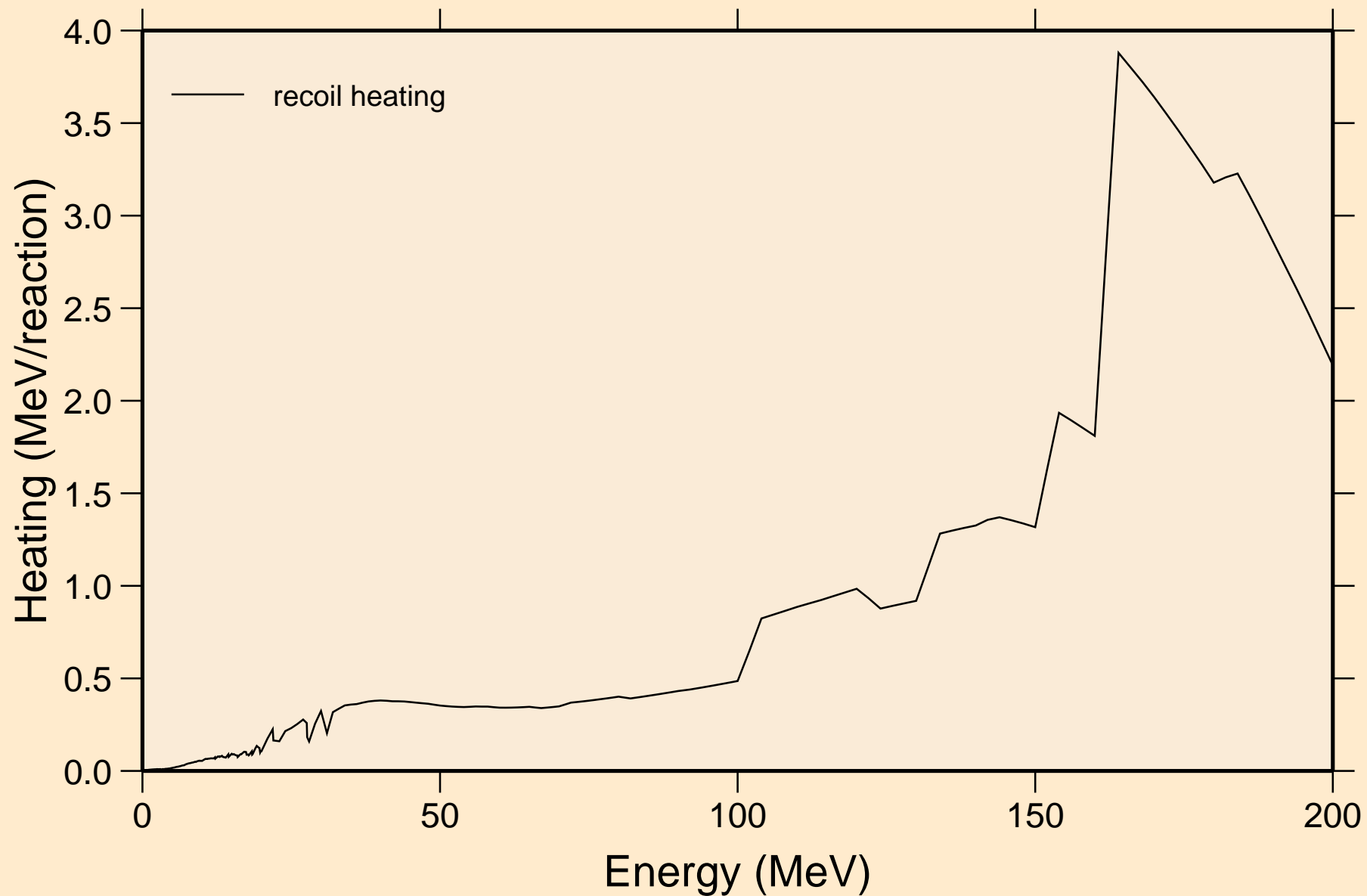
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

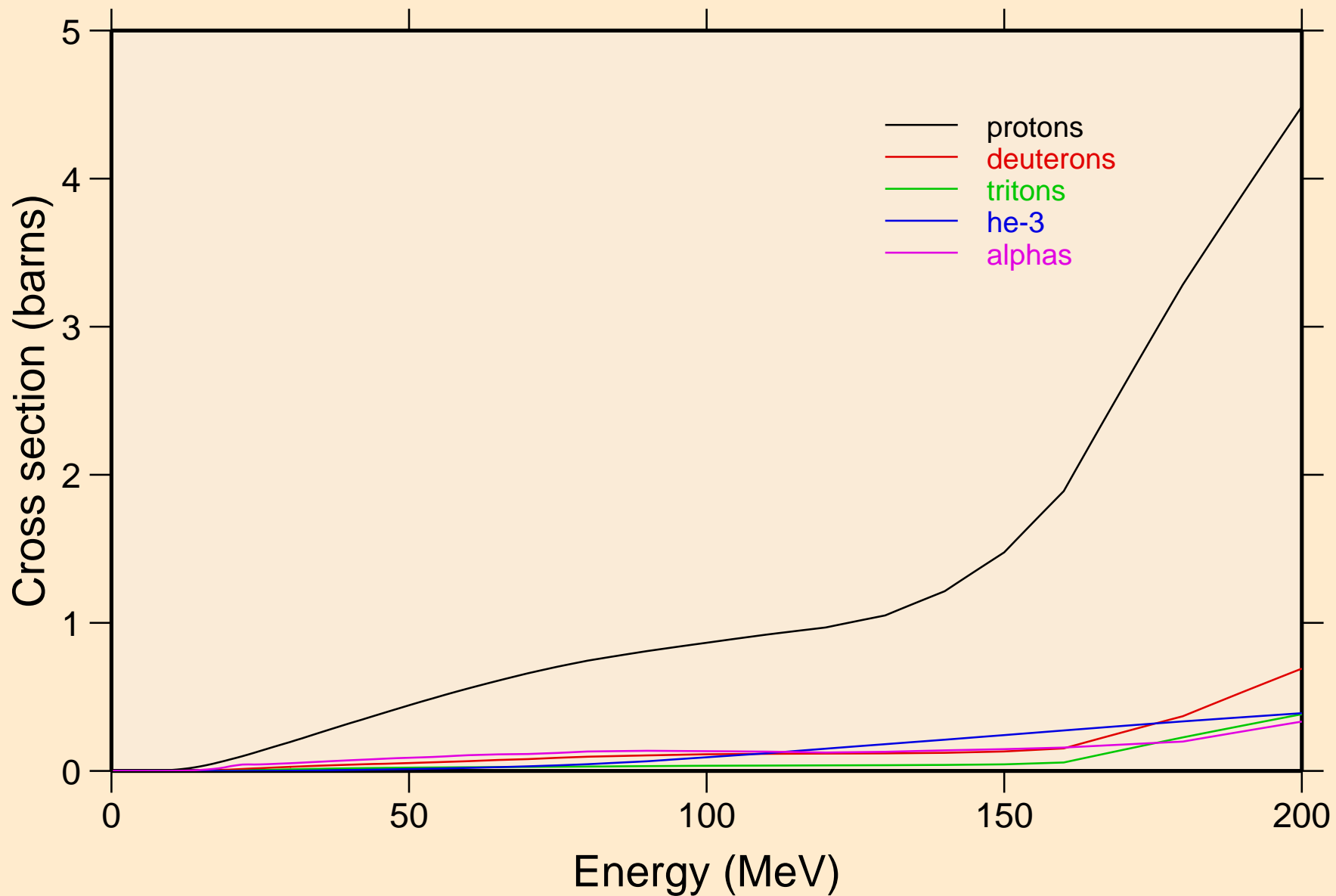


HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

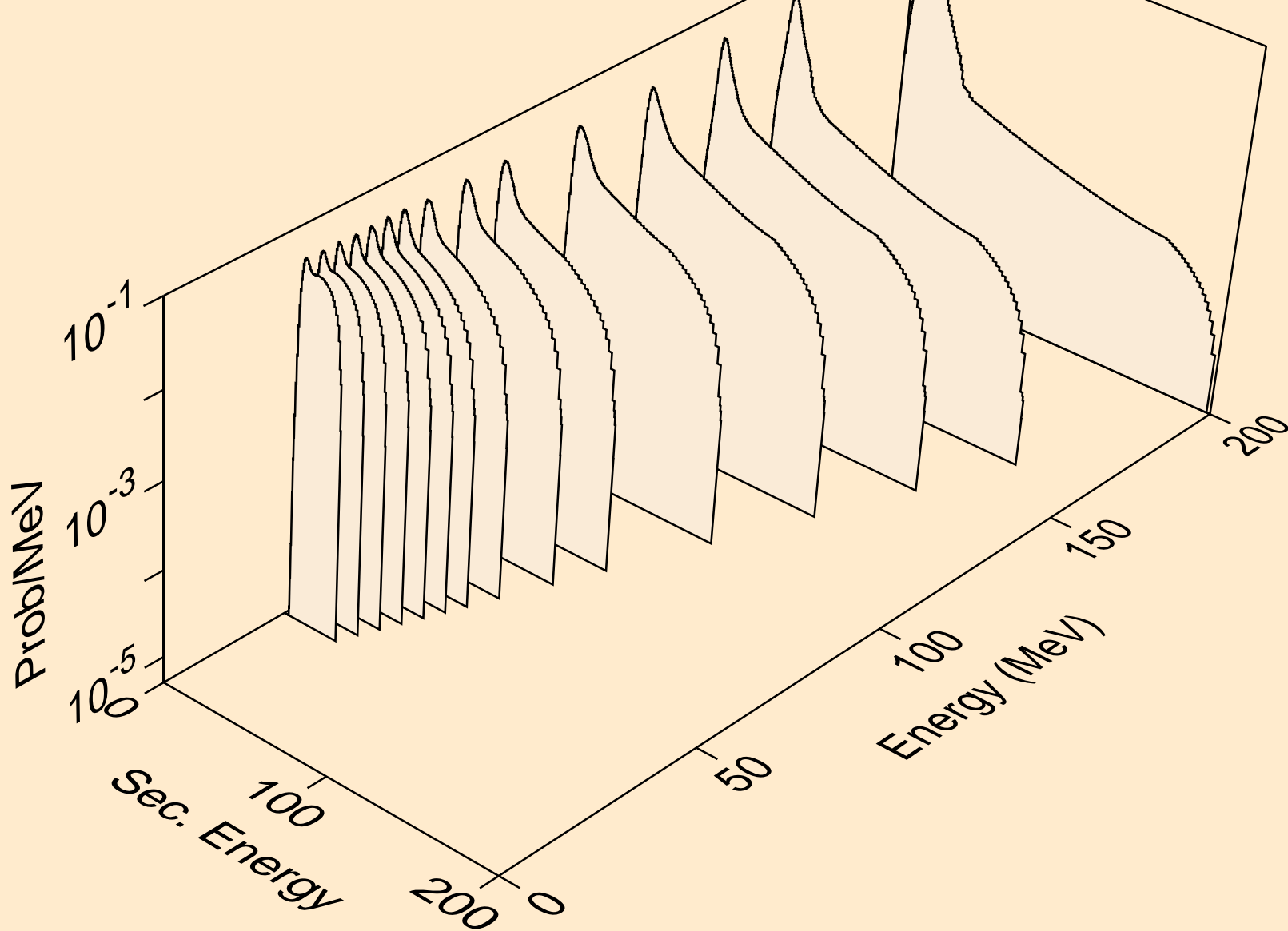
Recoil Heating



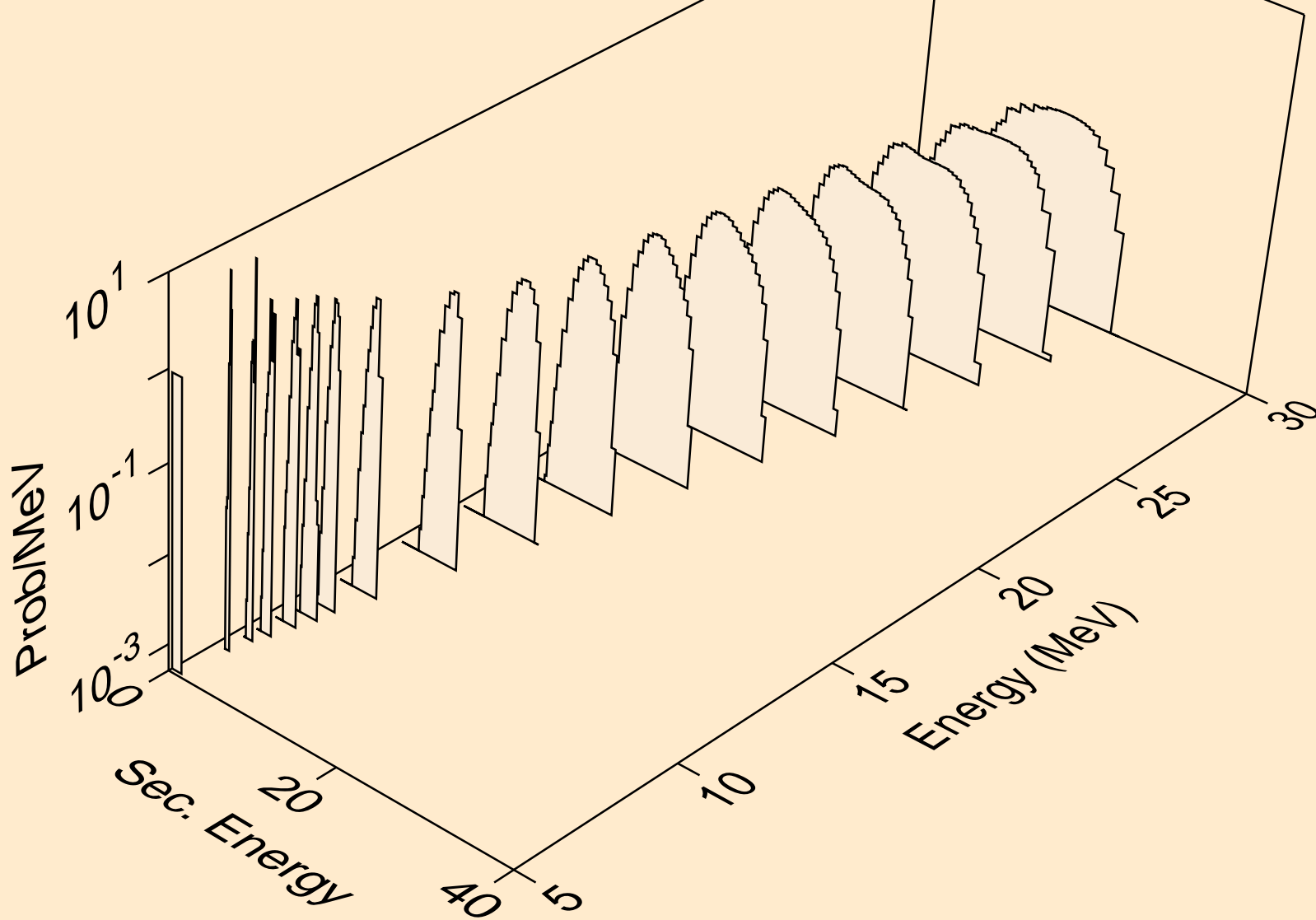
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



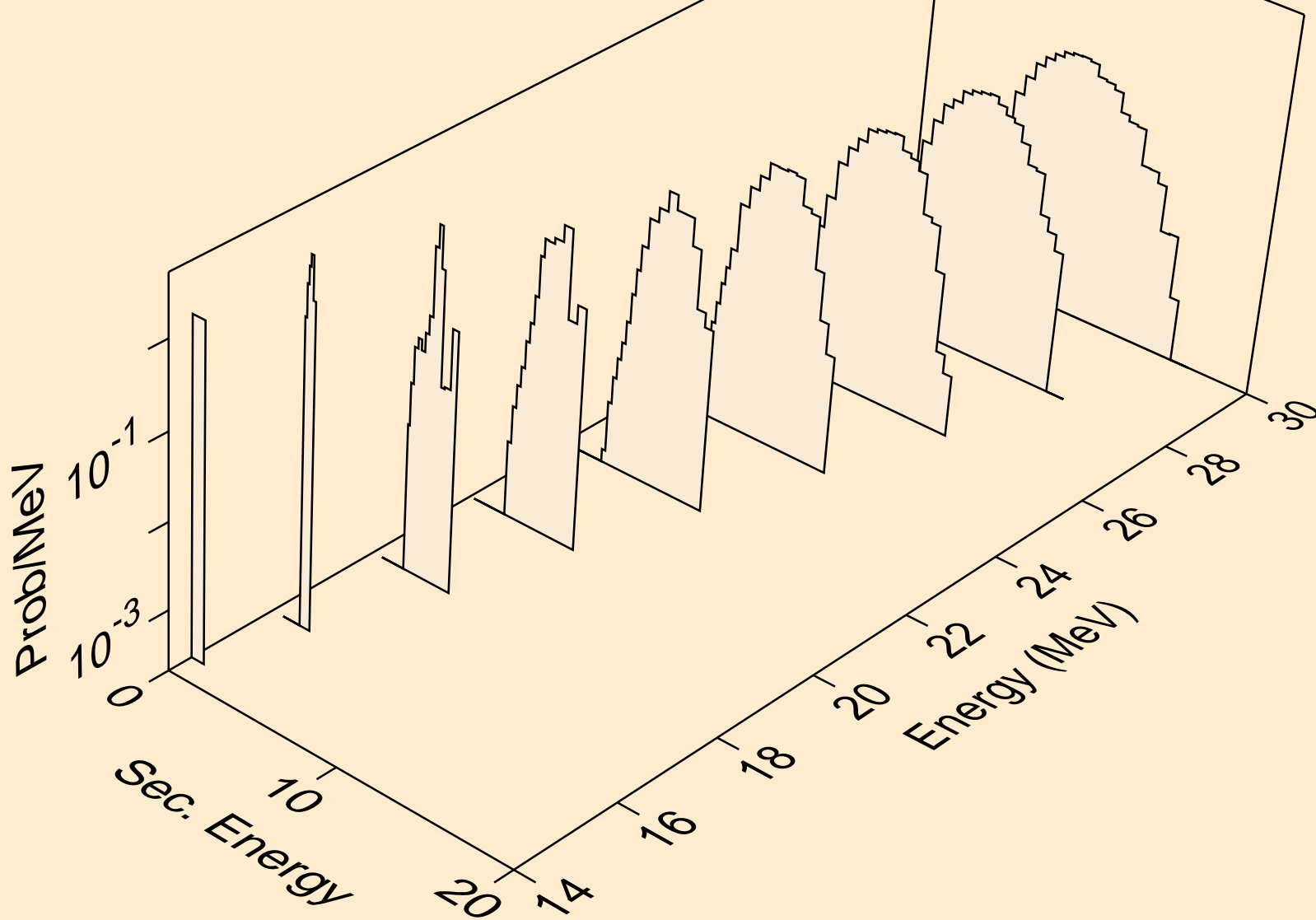
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



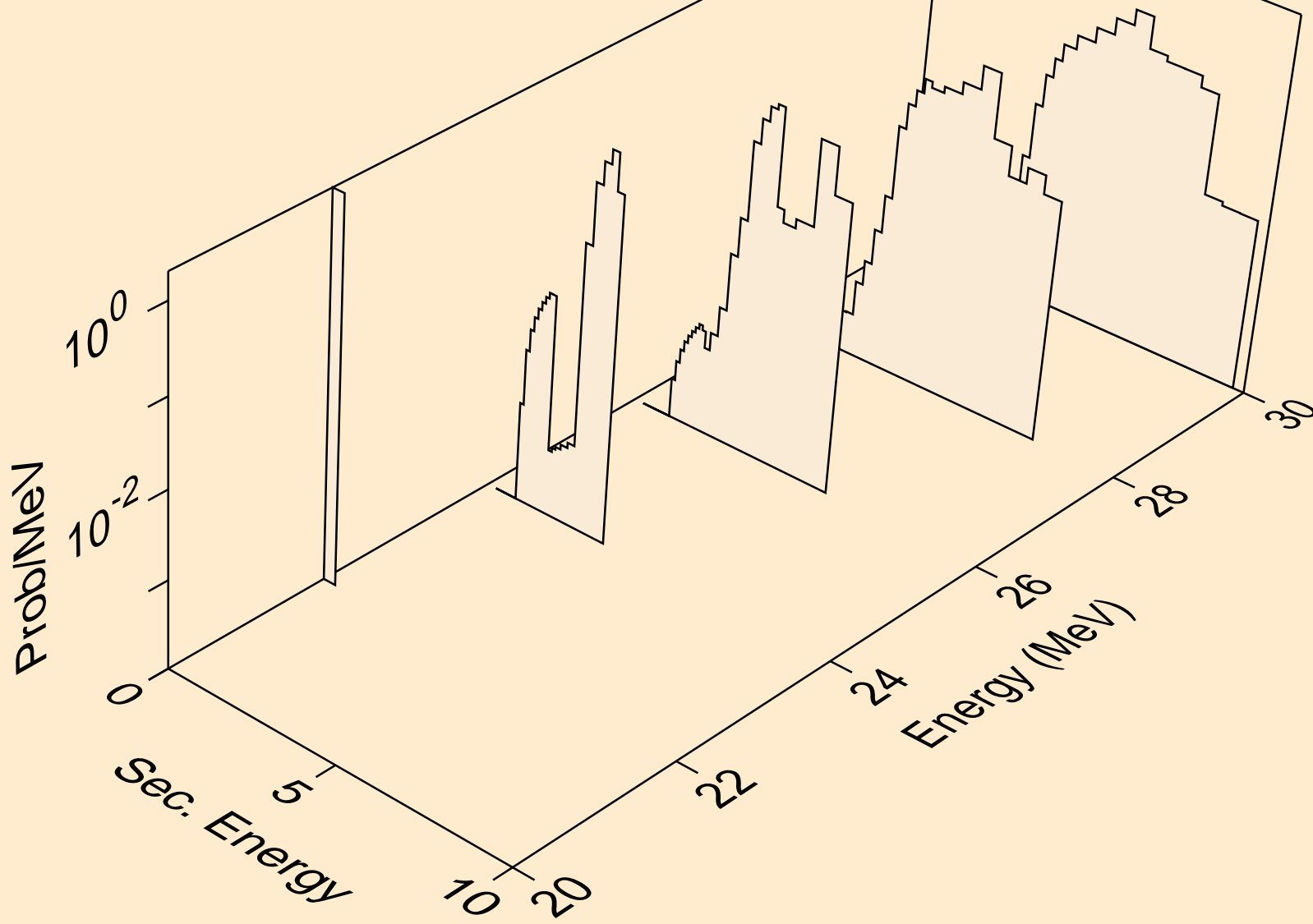
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



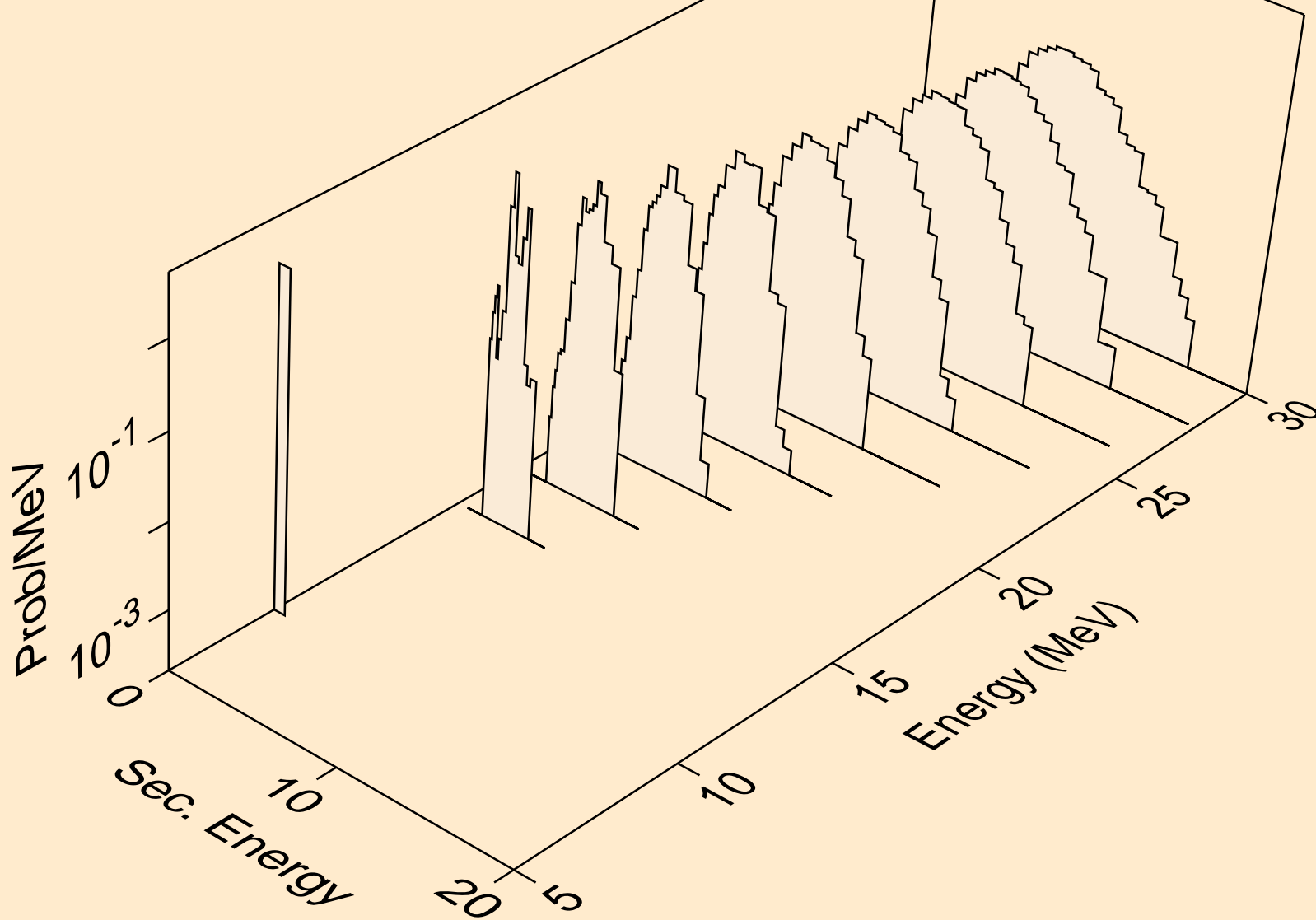
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protons from (n,2np)



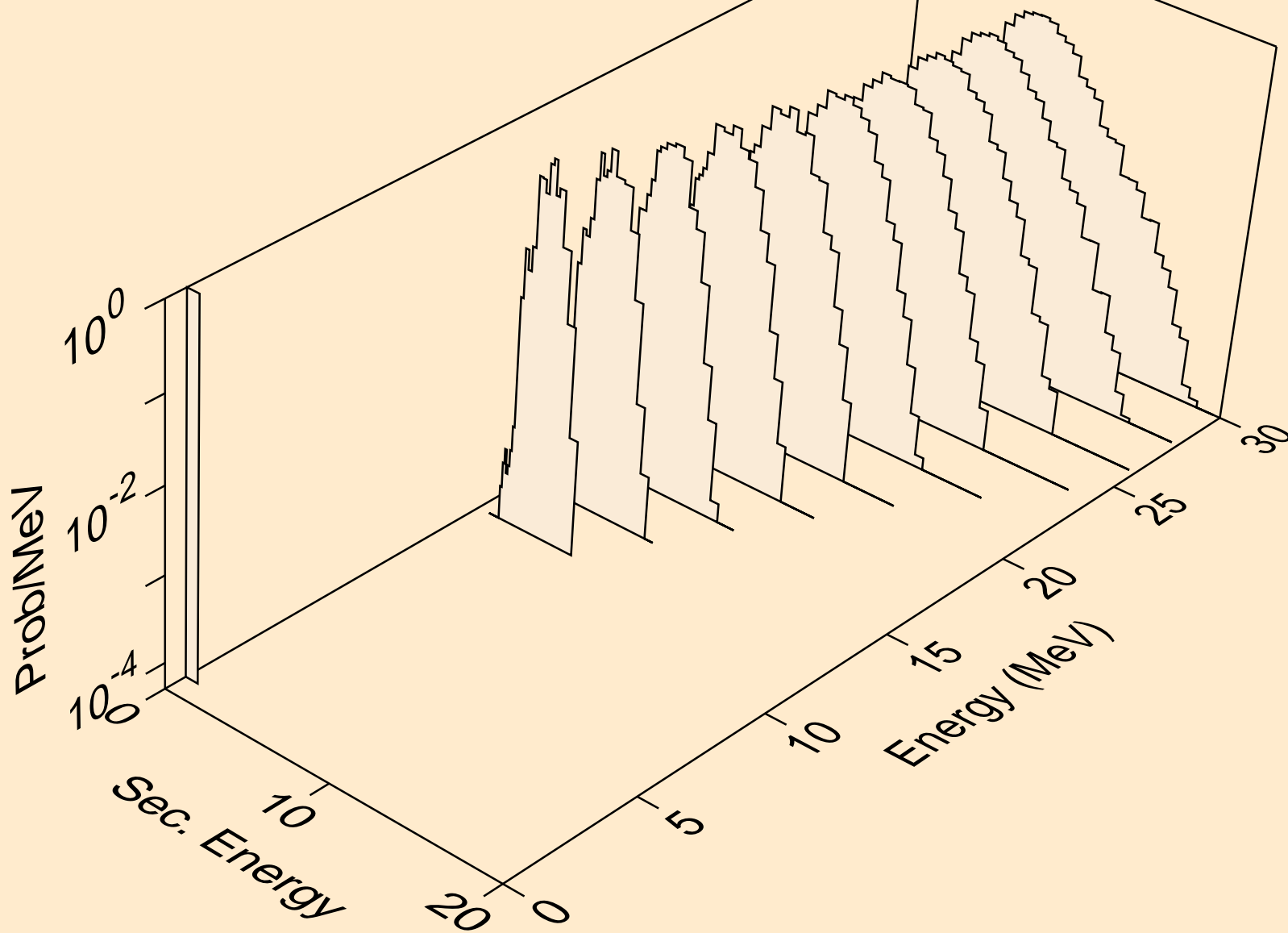
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



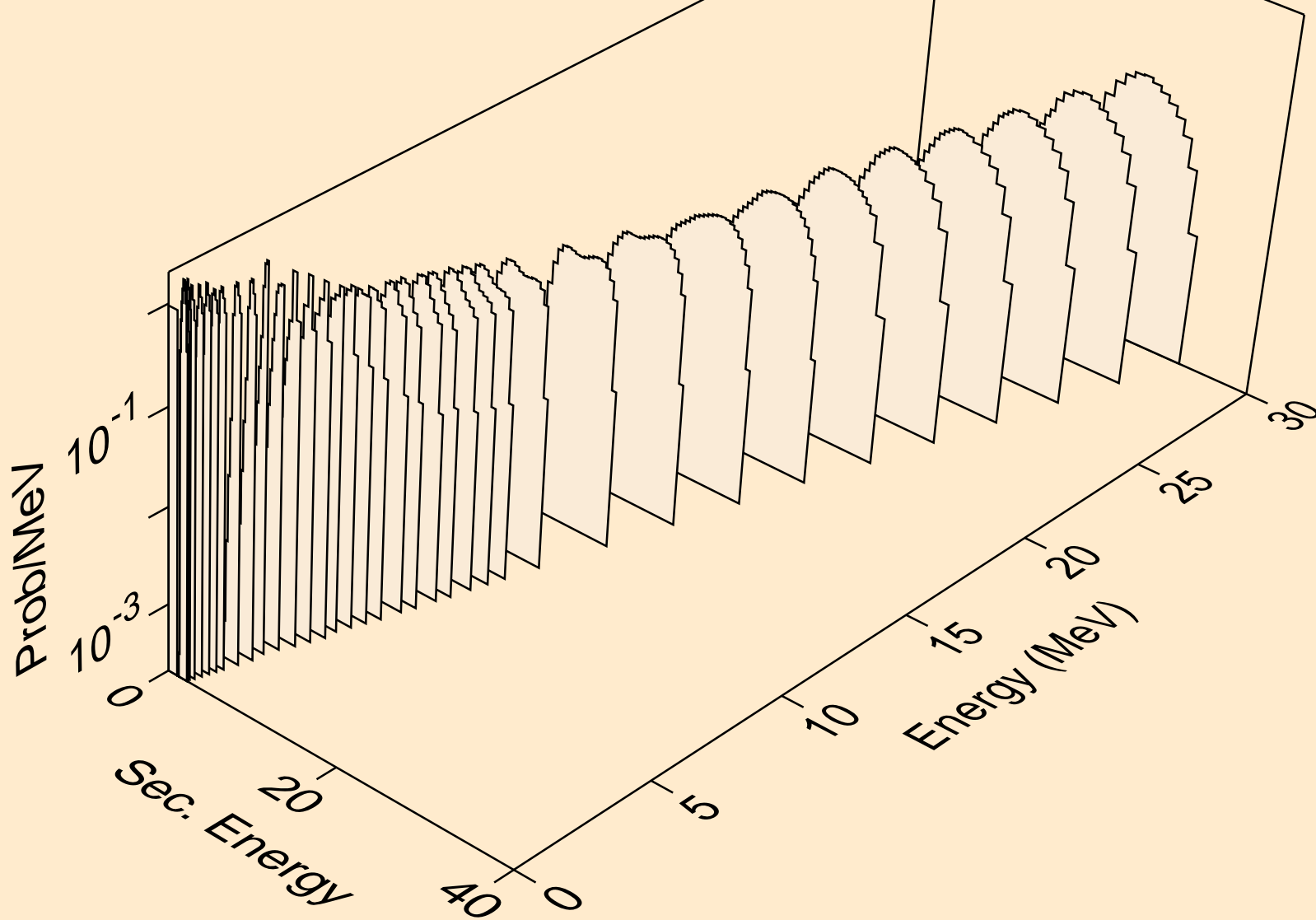
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



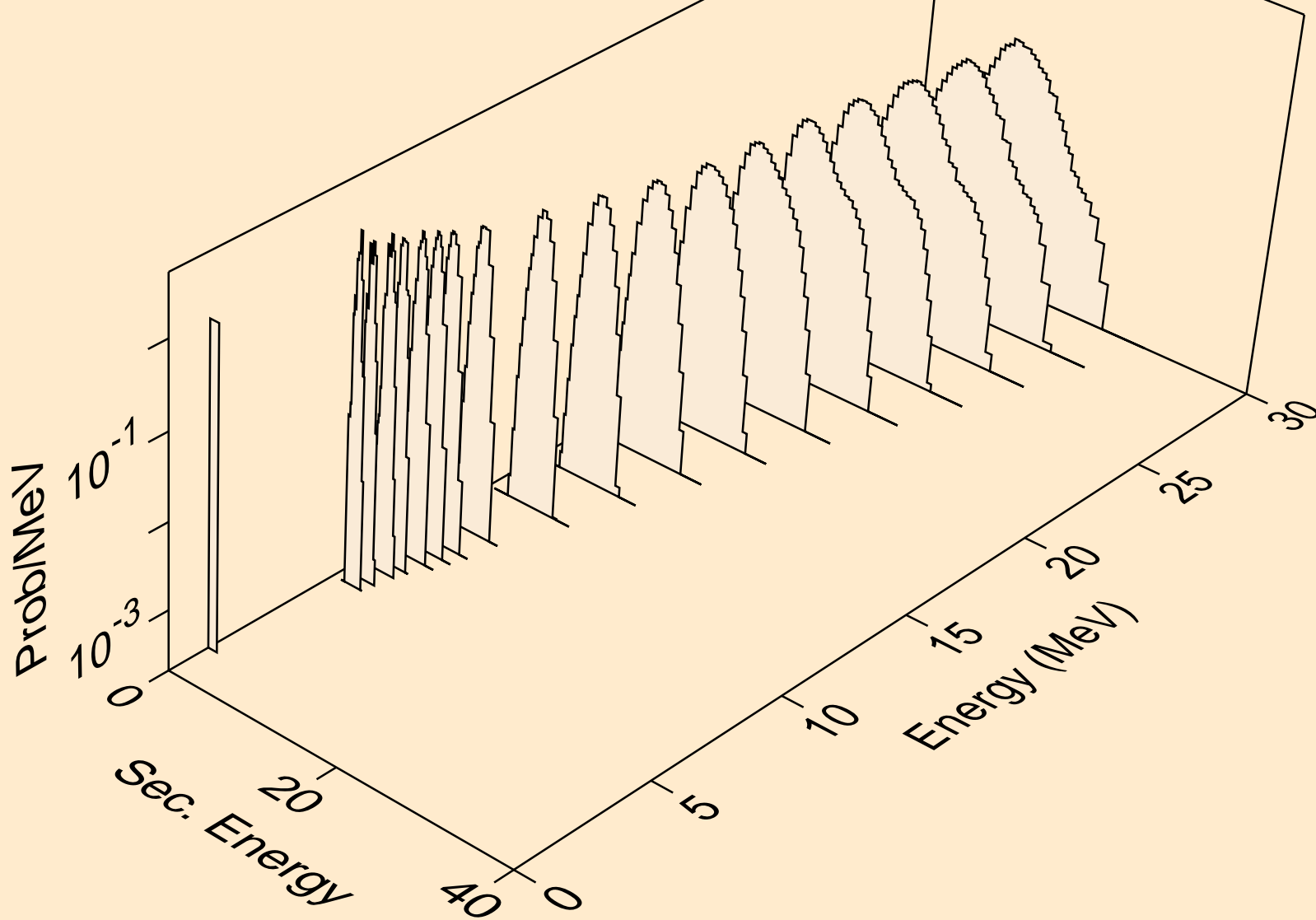
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



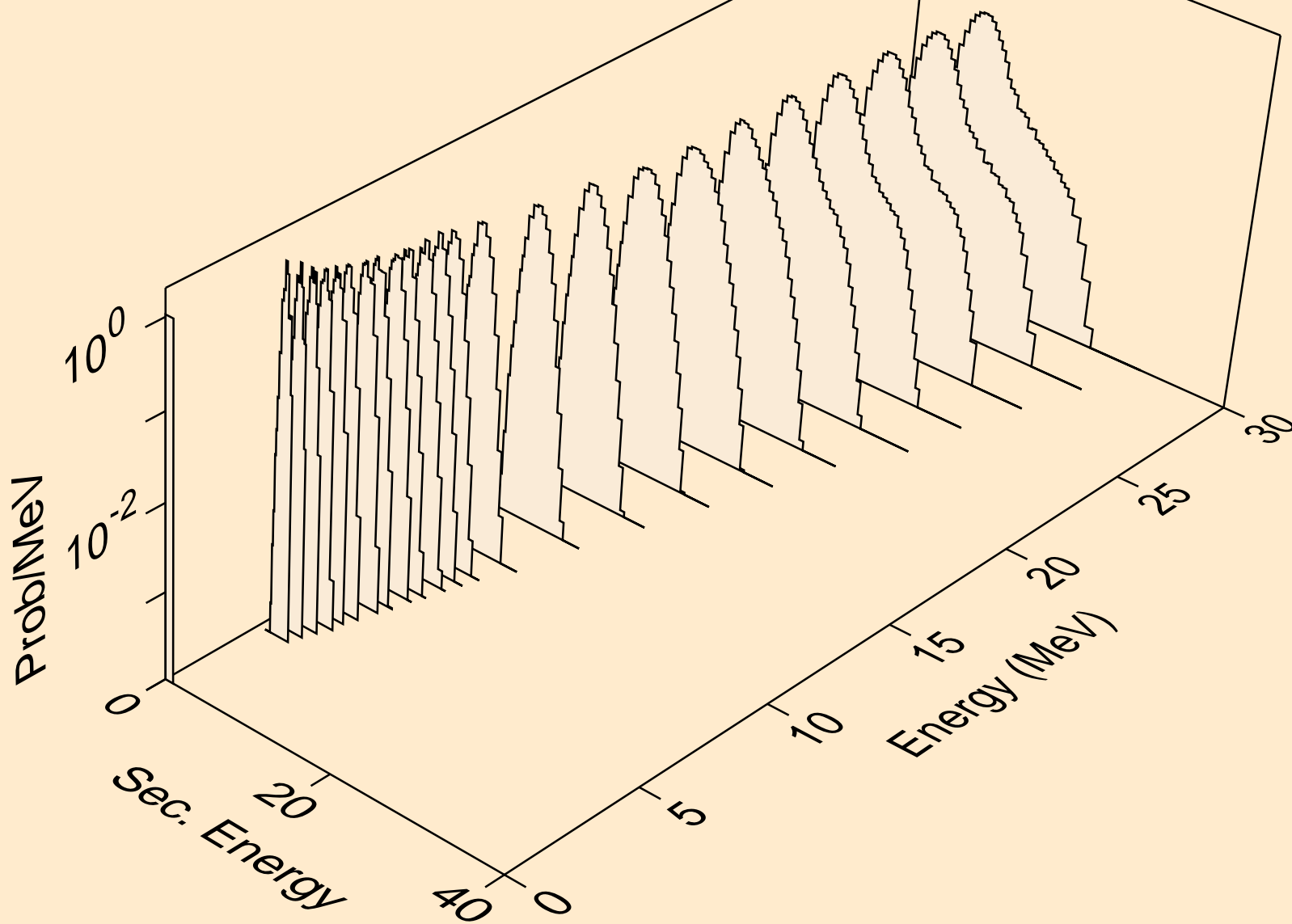
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protons from (n,p)



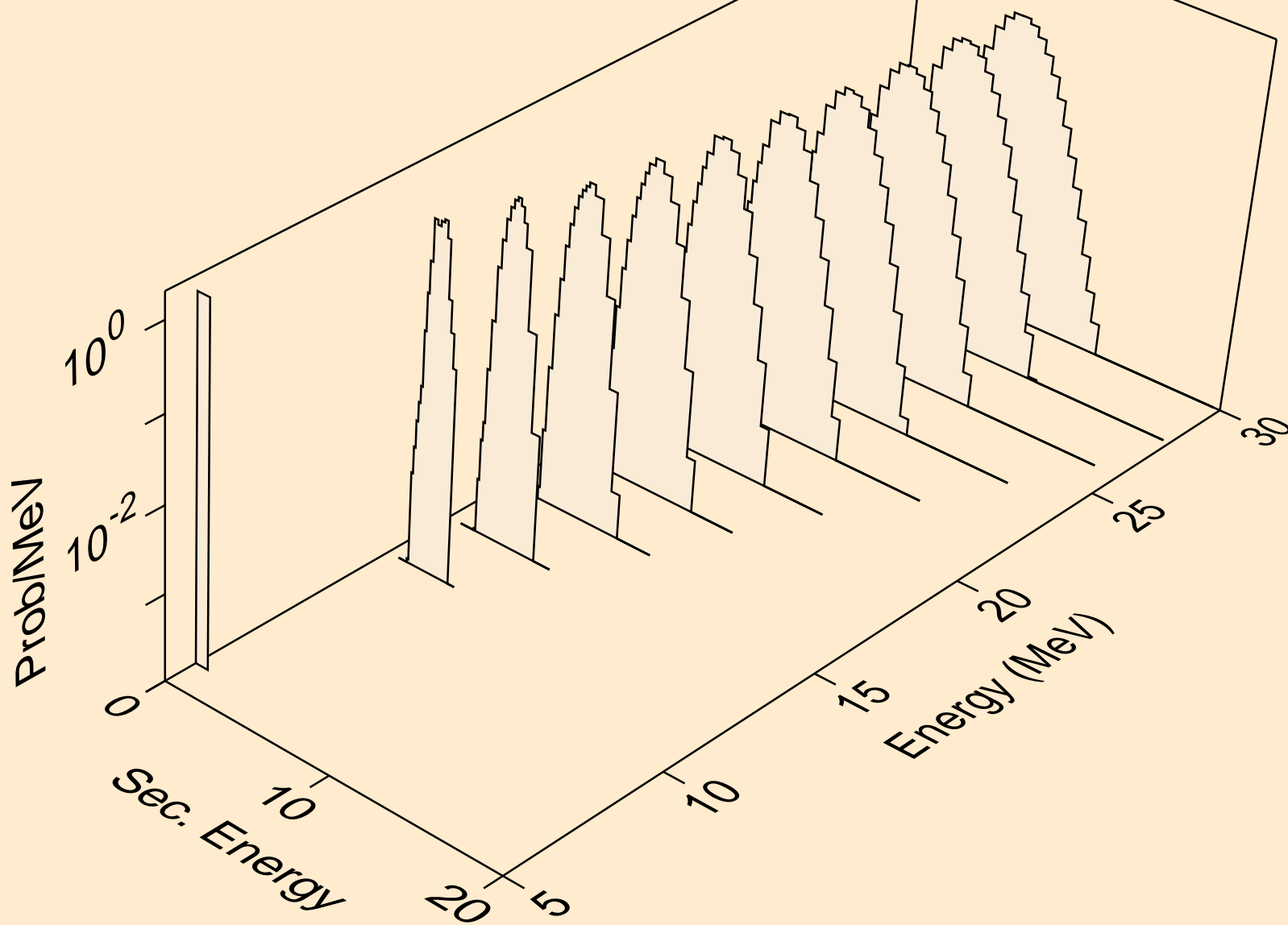
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protons from (n,2p)



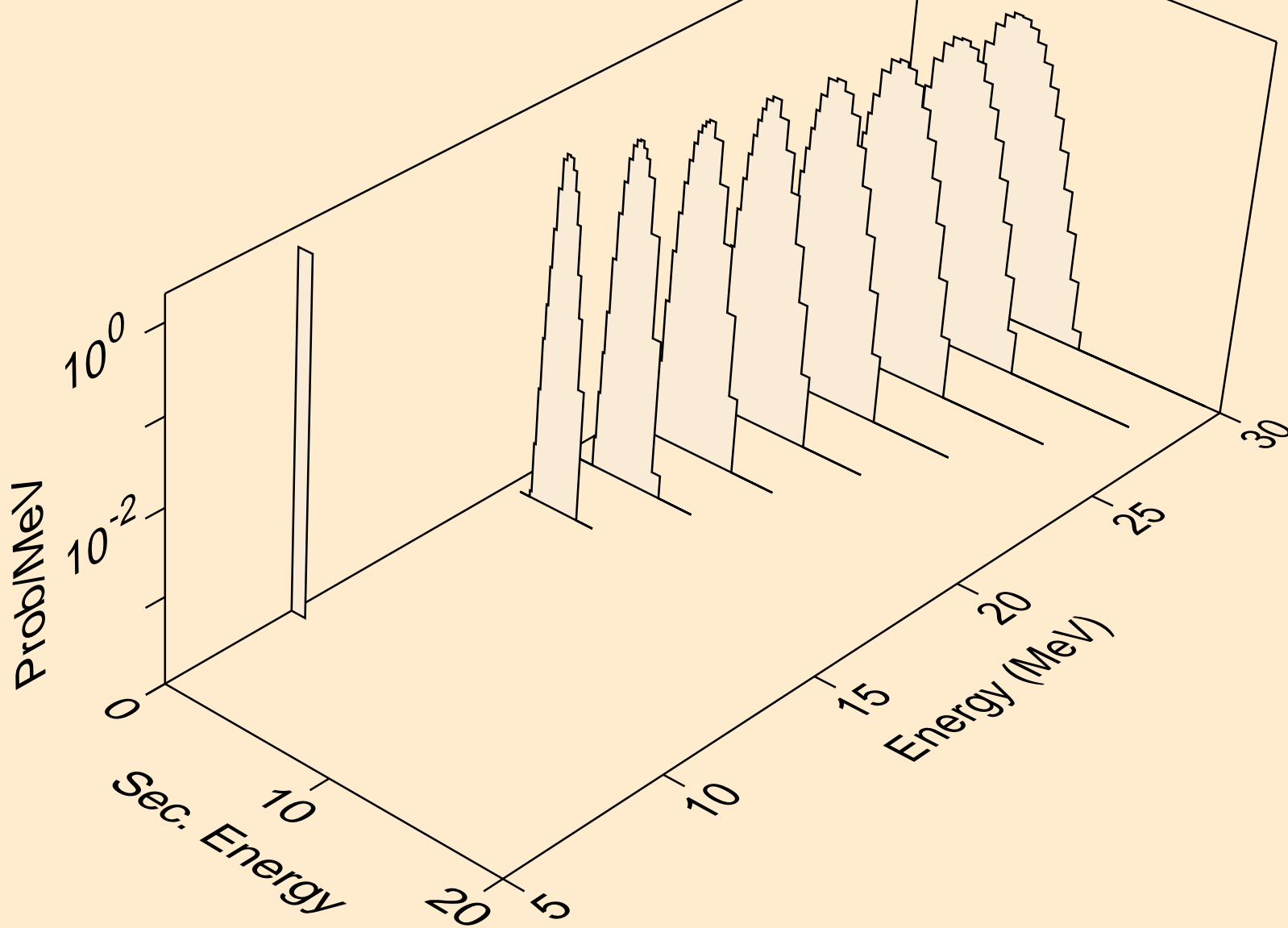
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protons from (n,p)



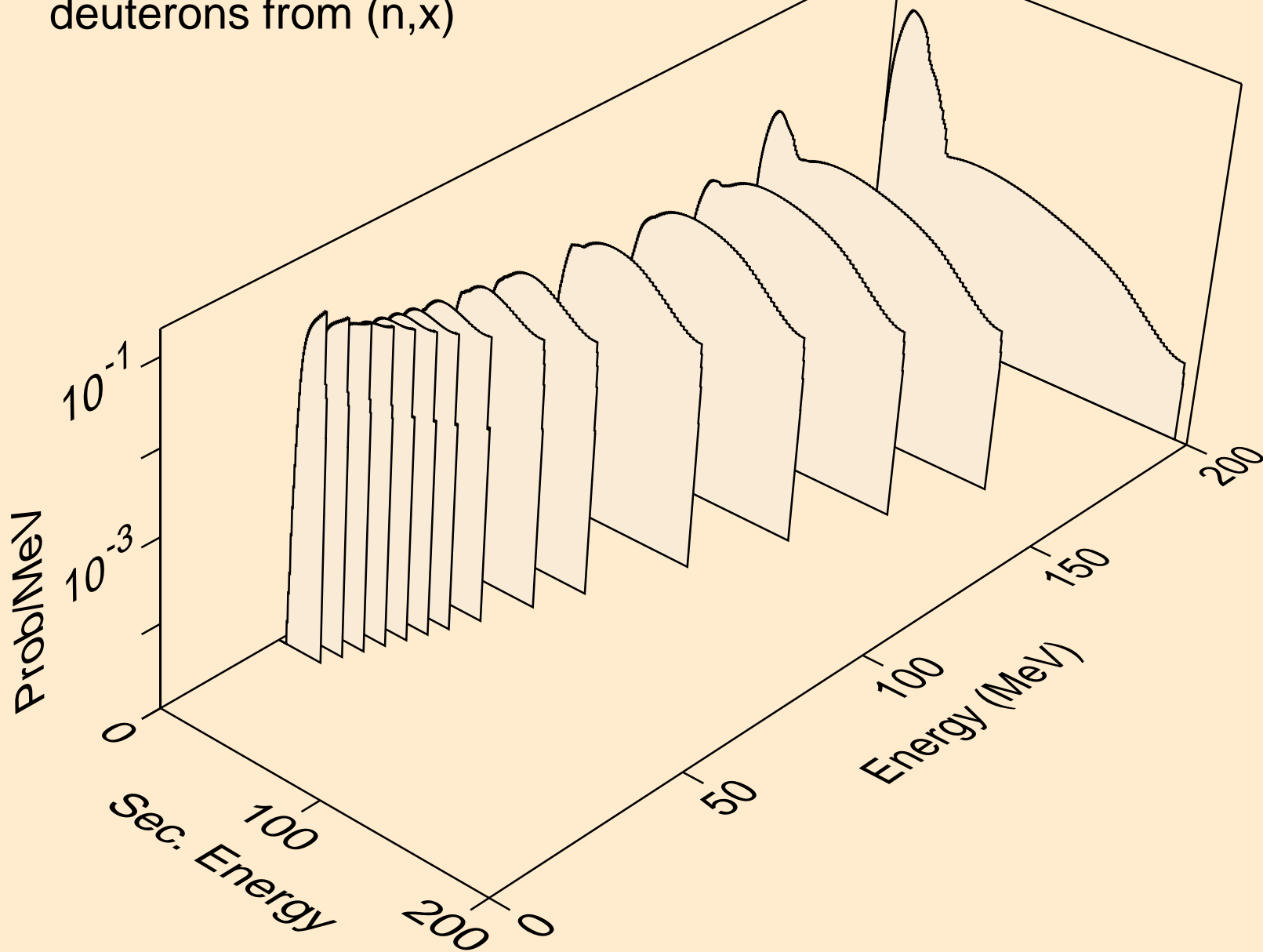
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



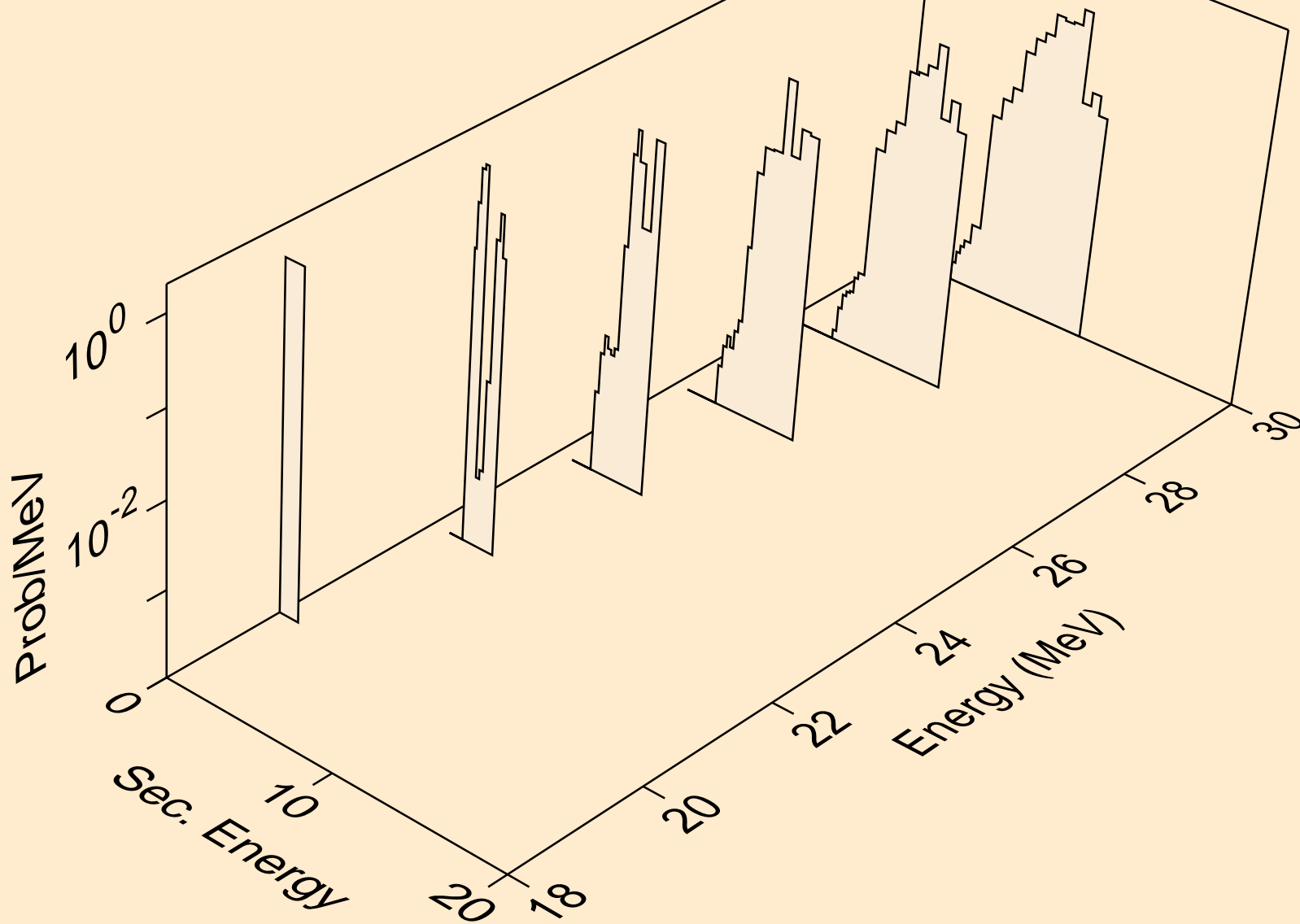
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



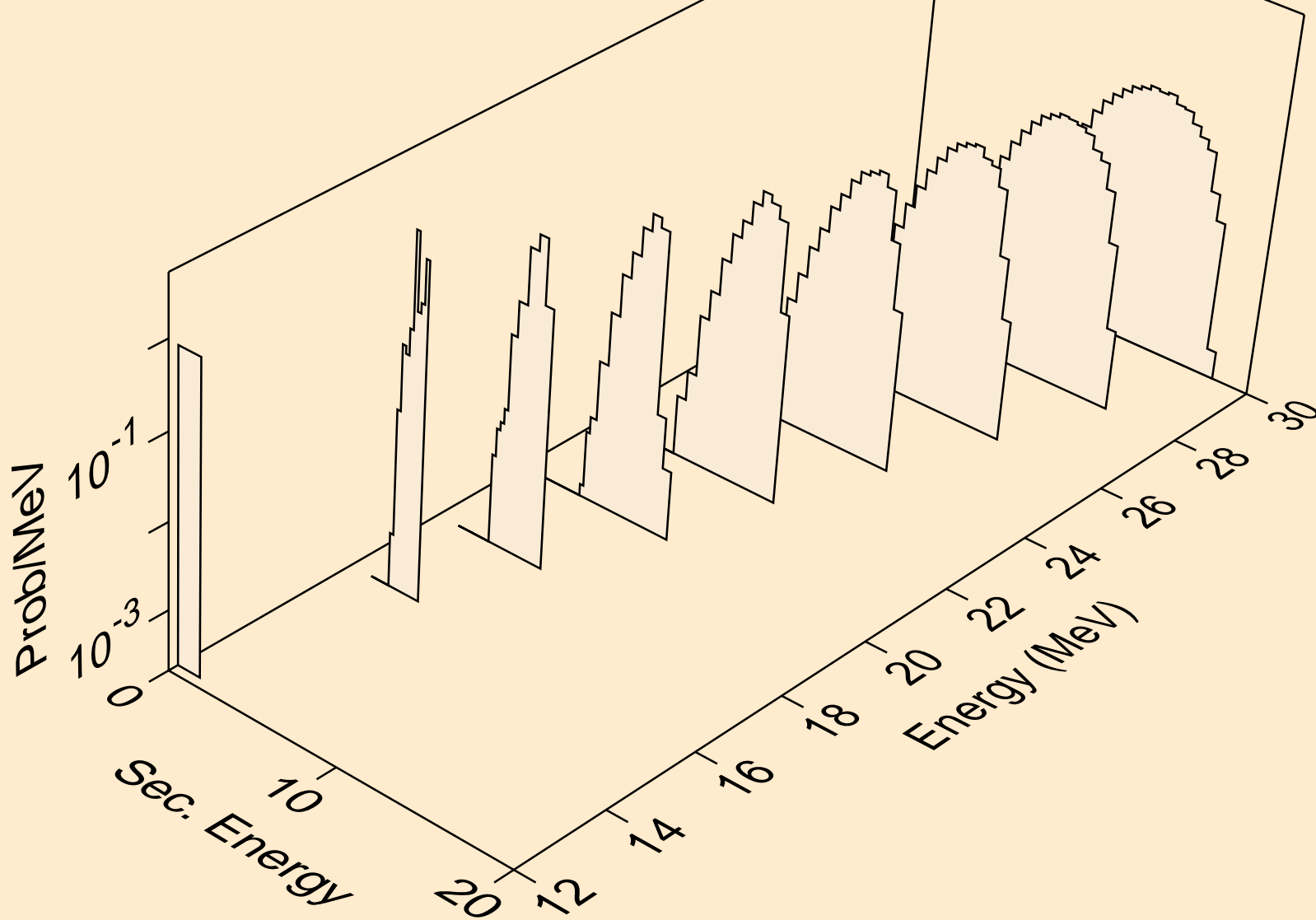
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



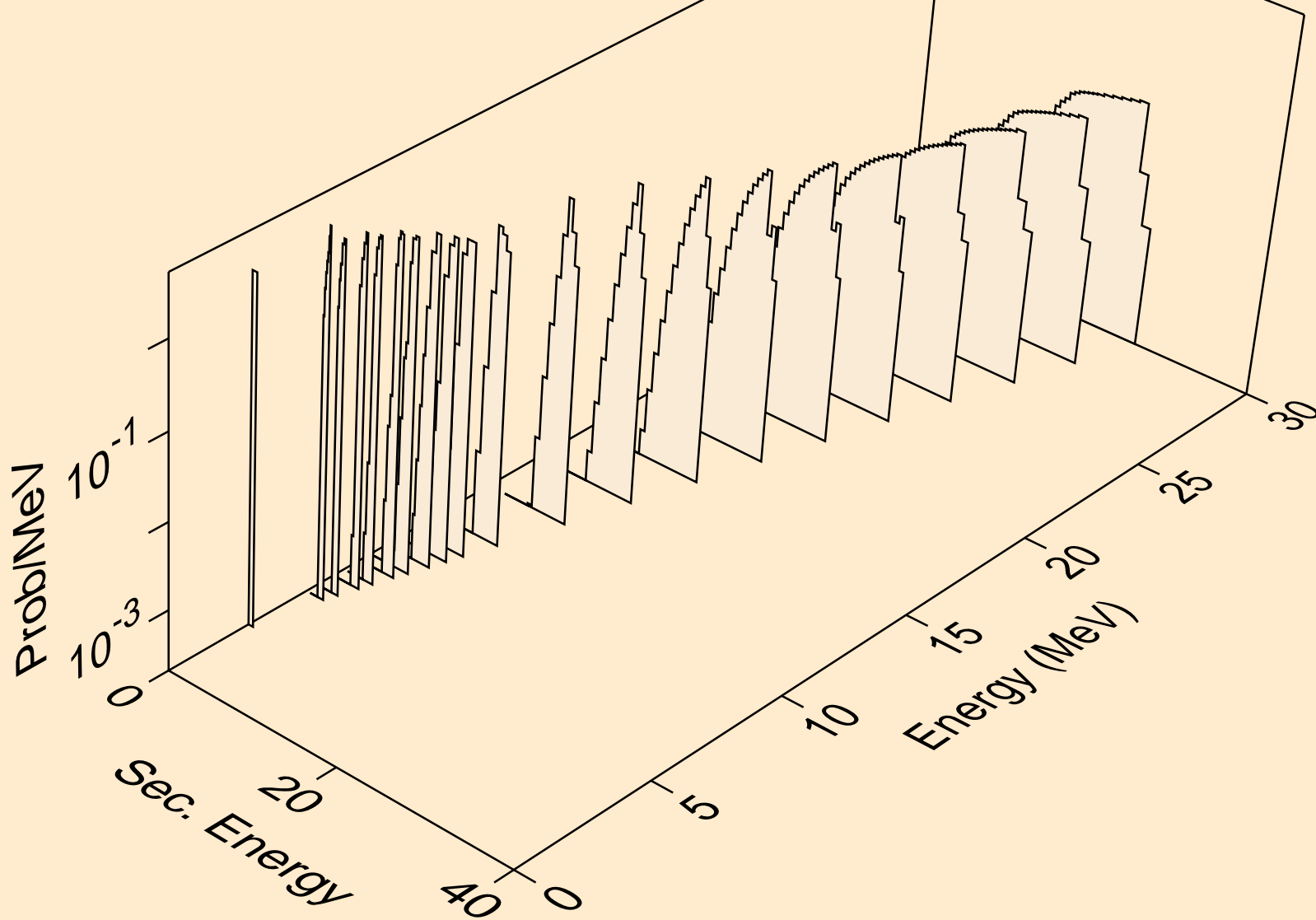
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



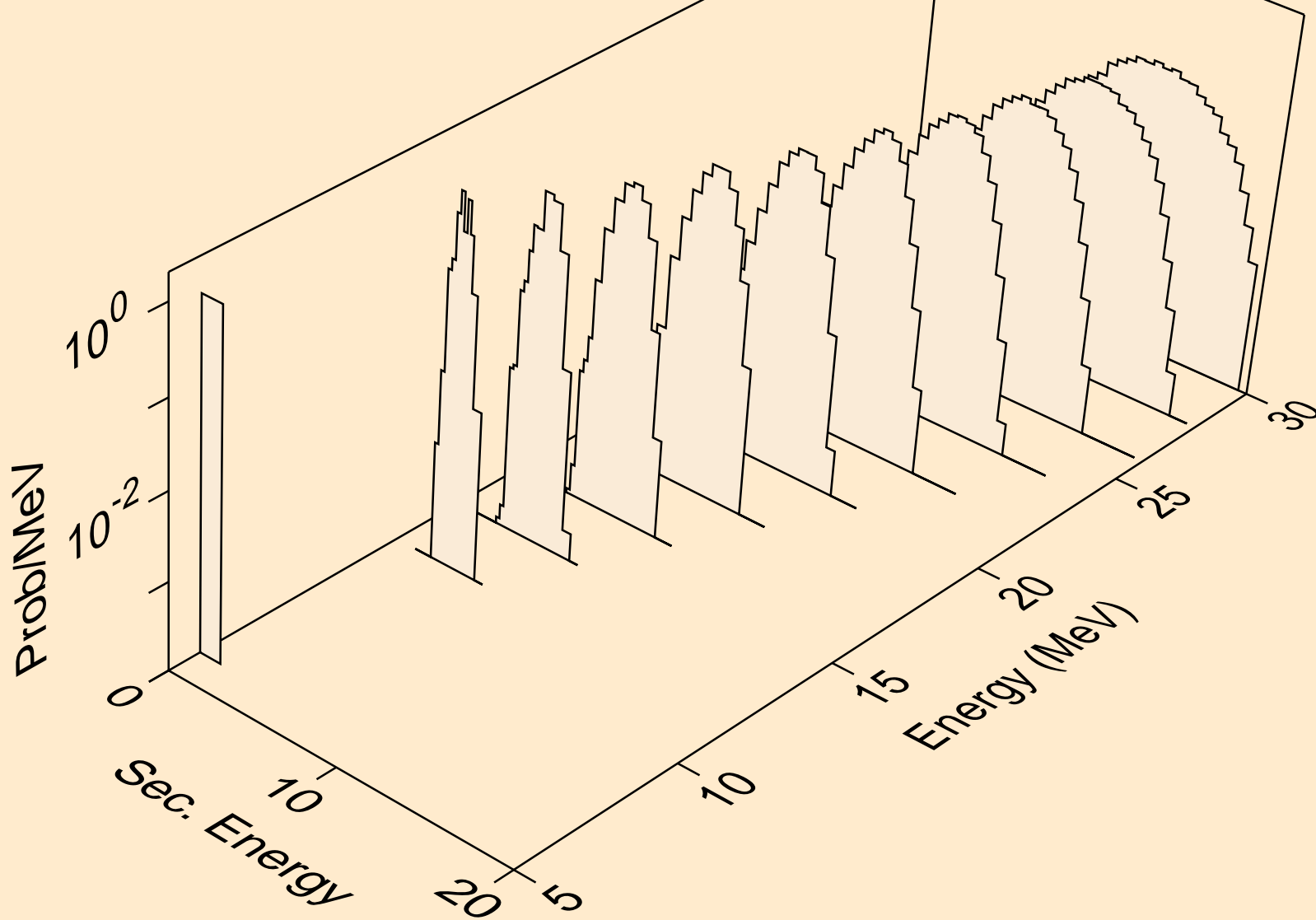
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



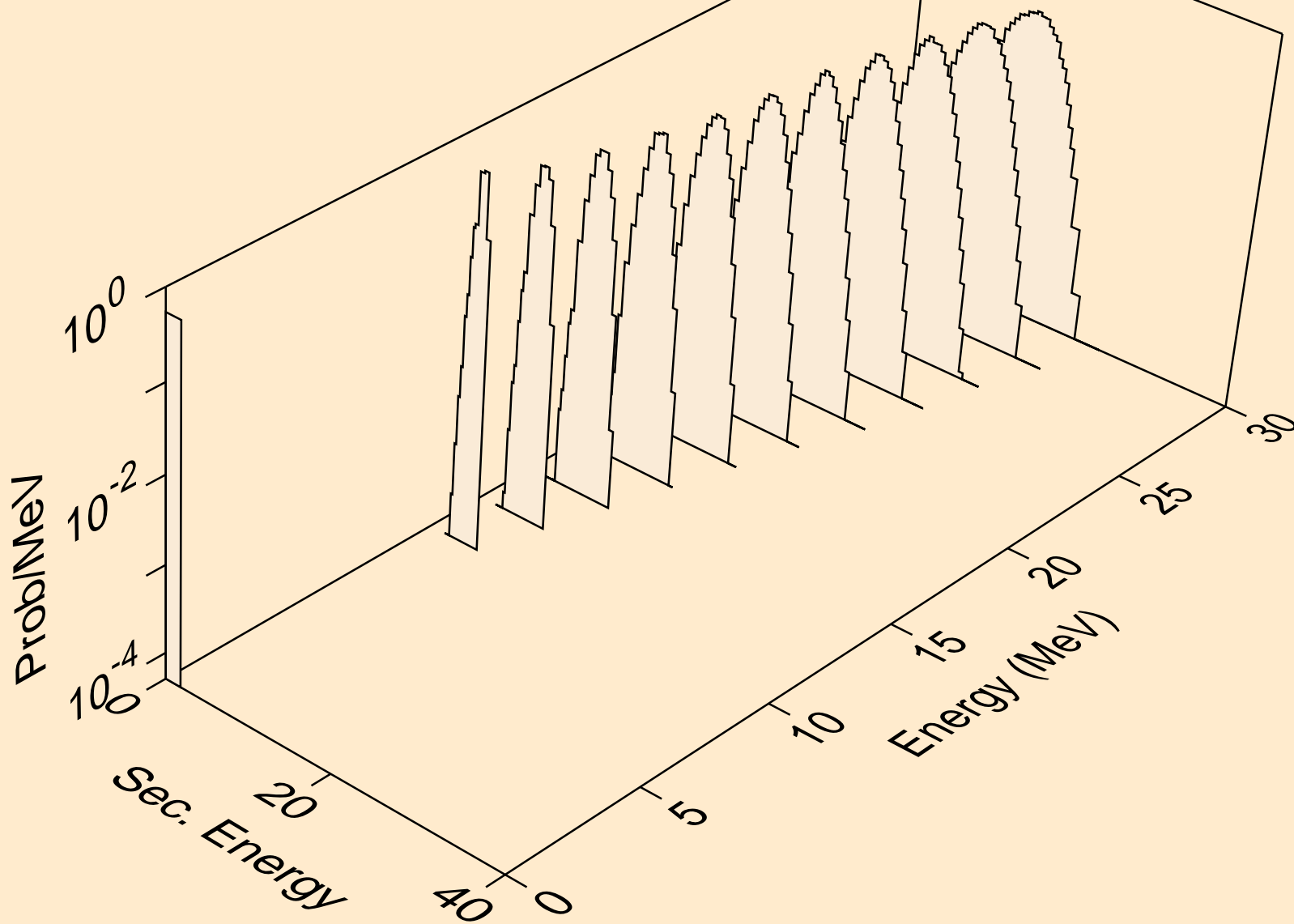
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



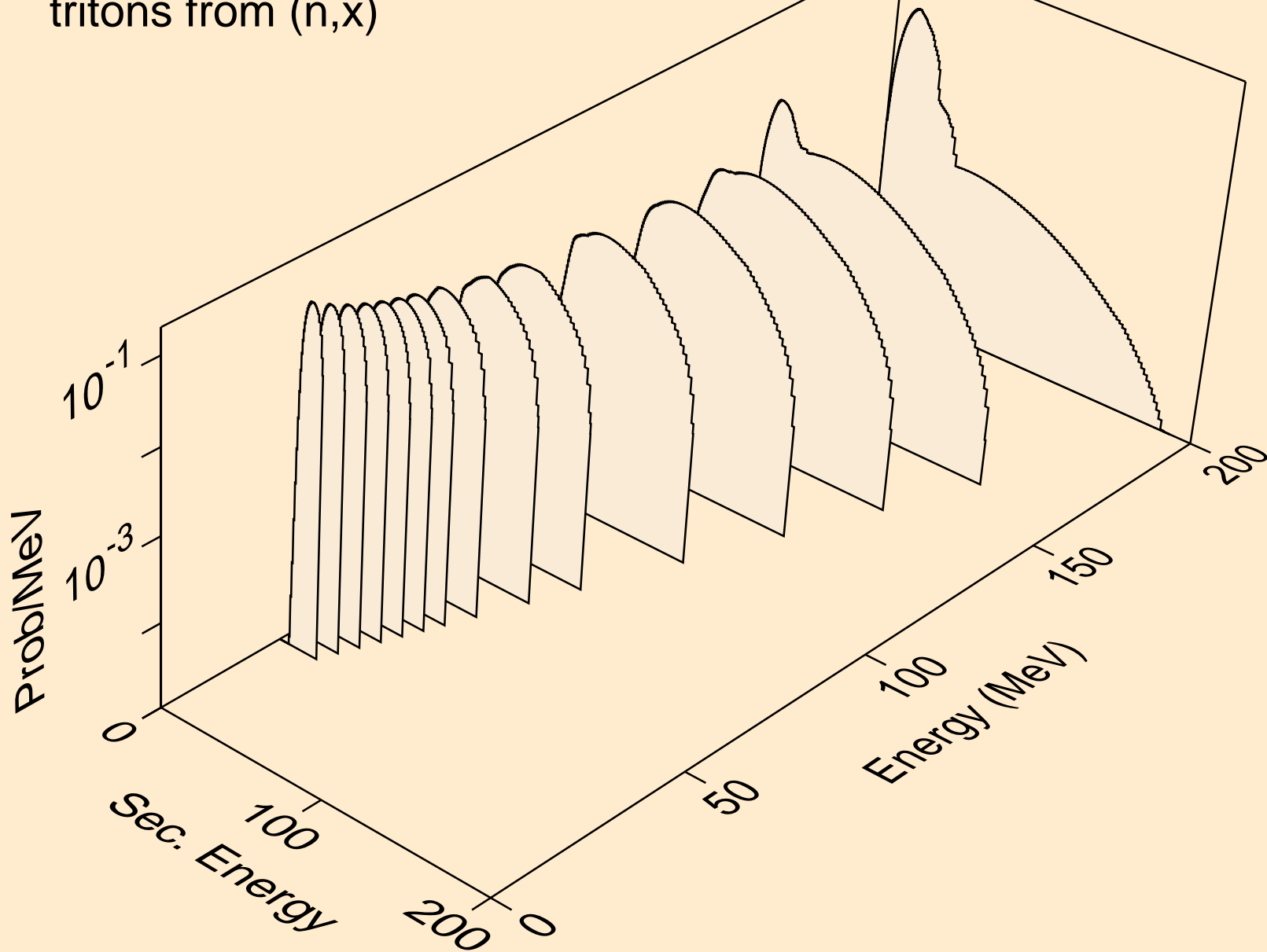
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



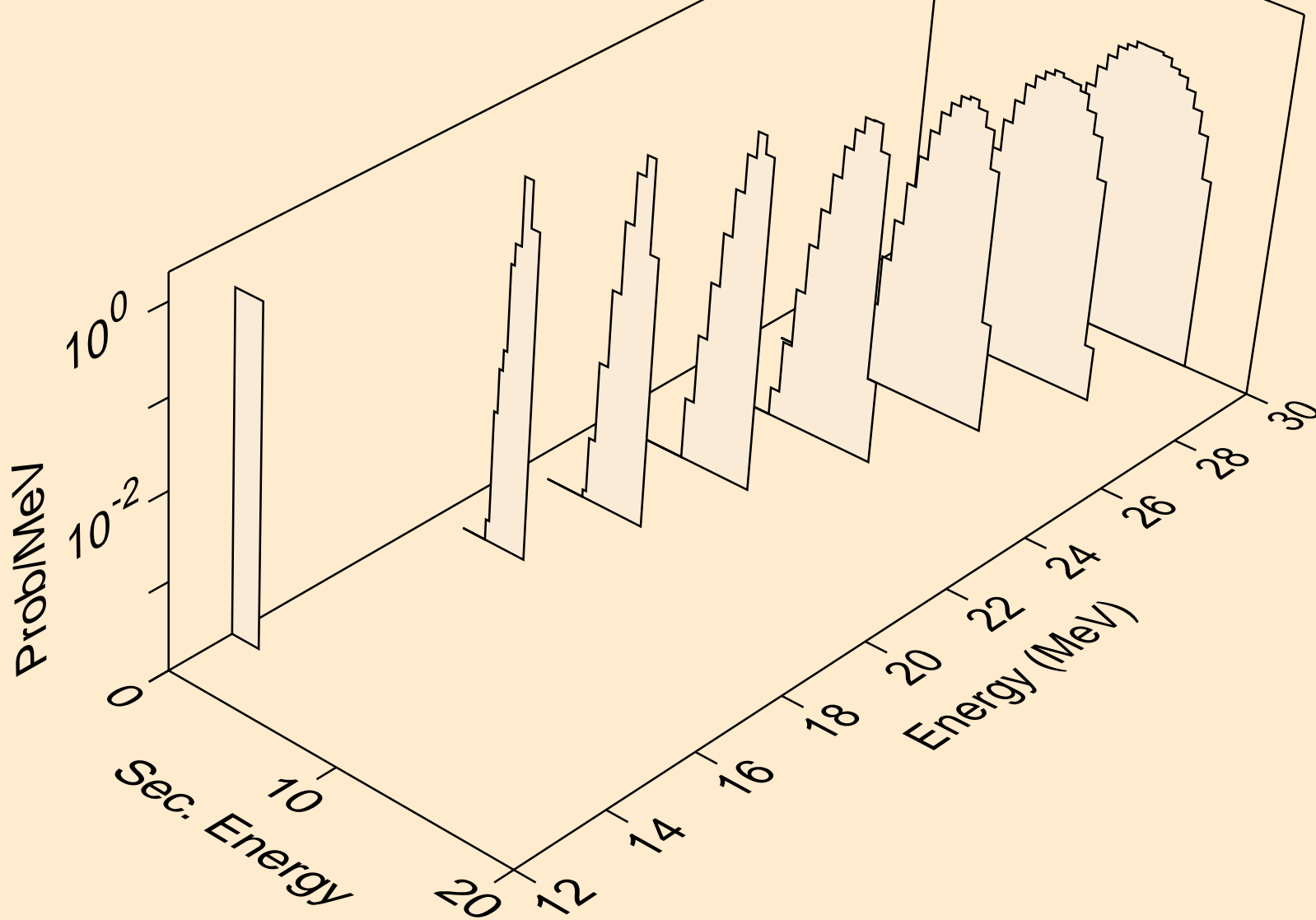
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



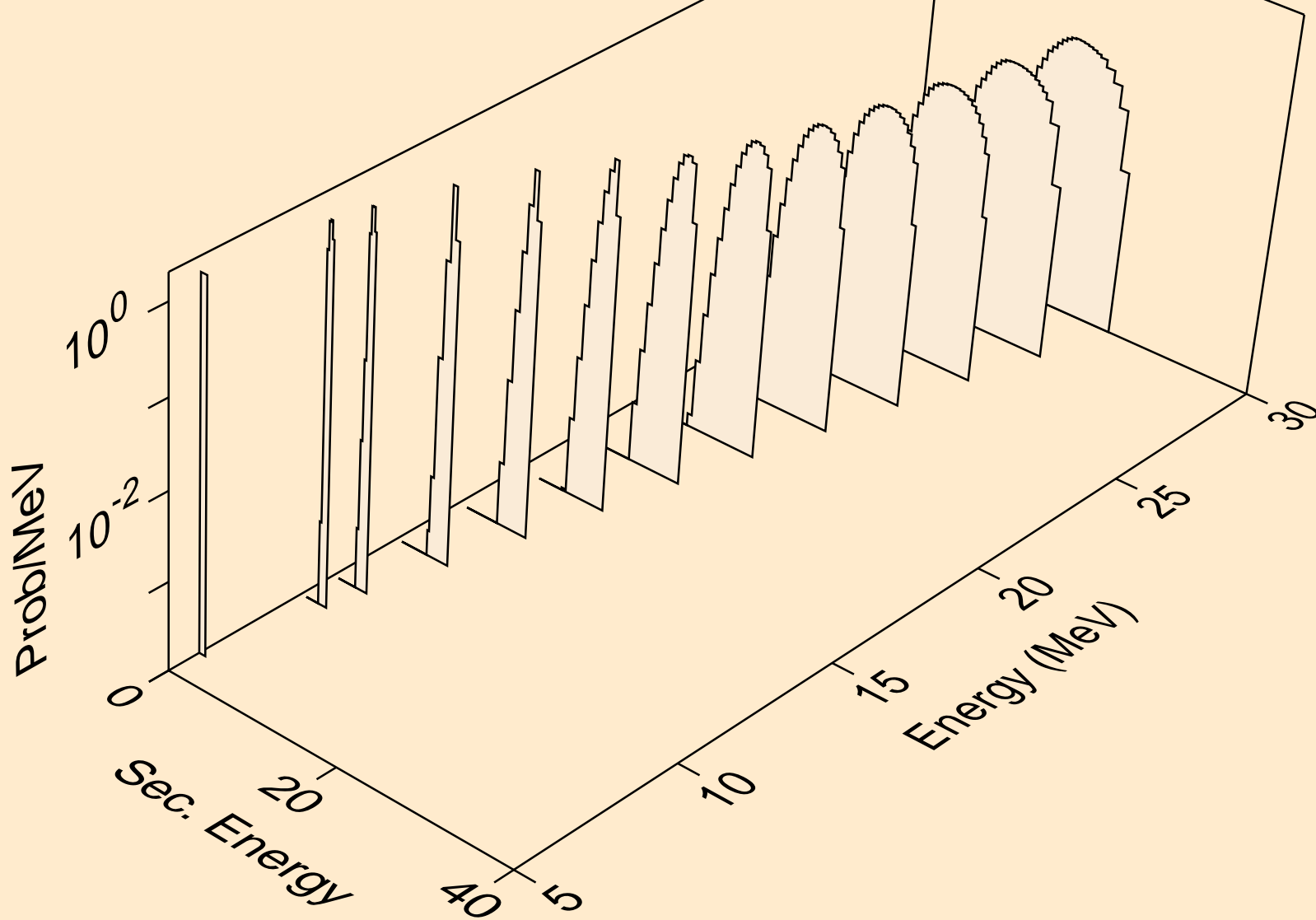
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



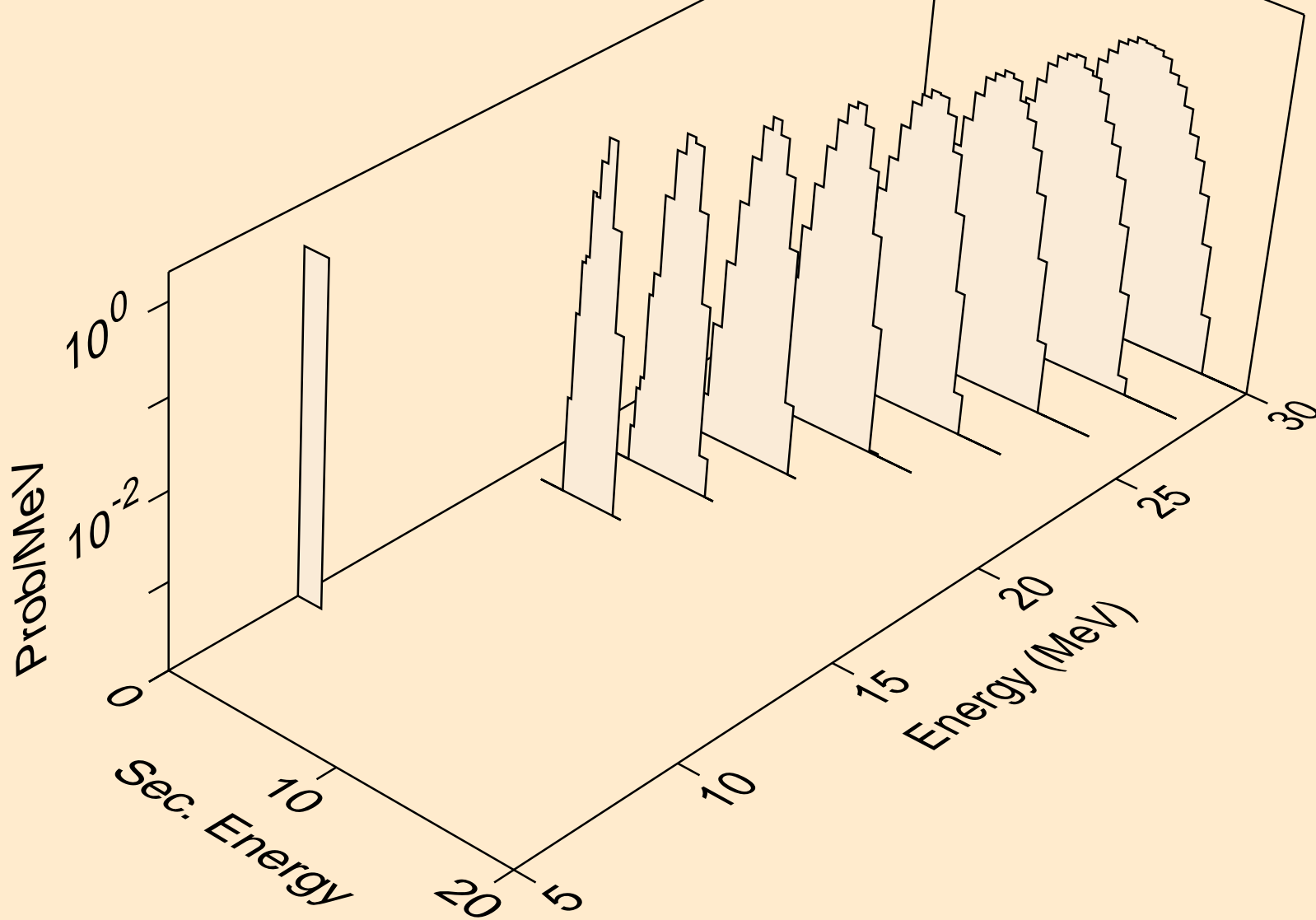
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



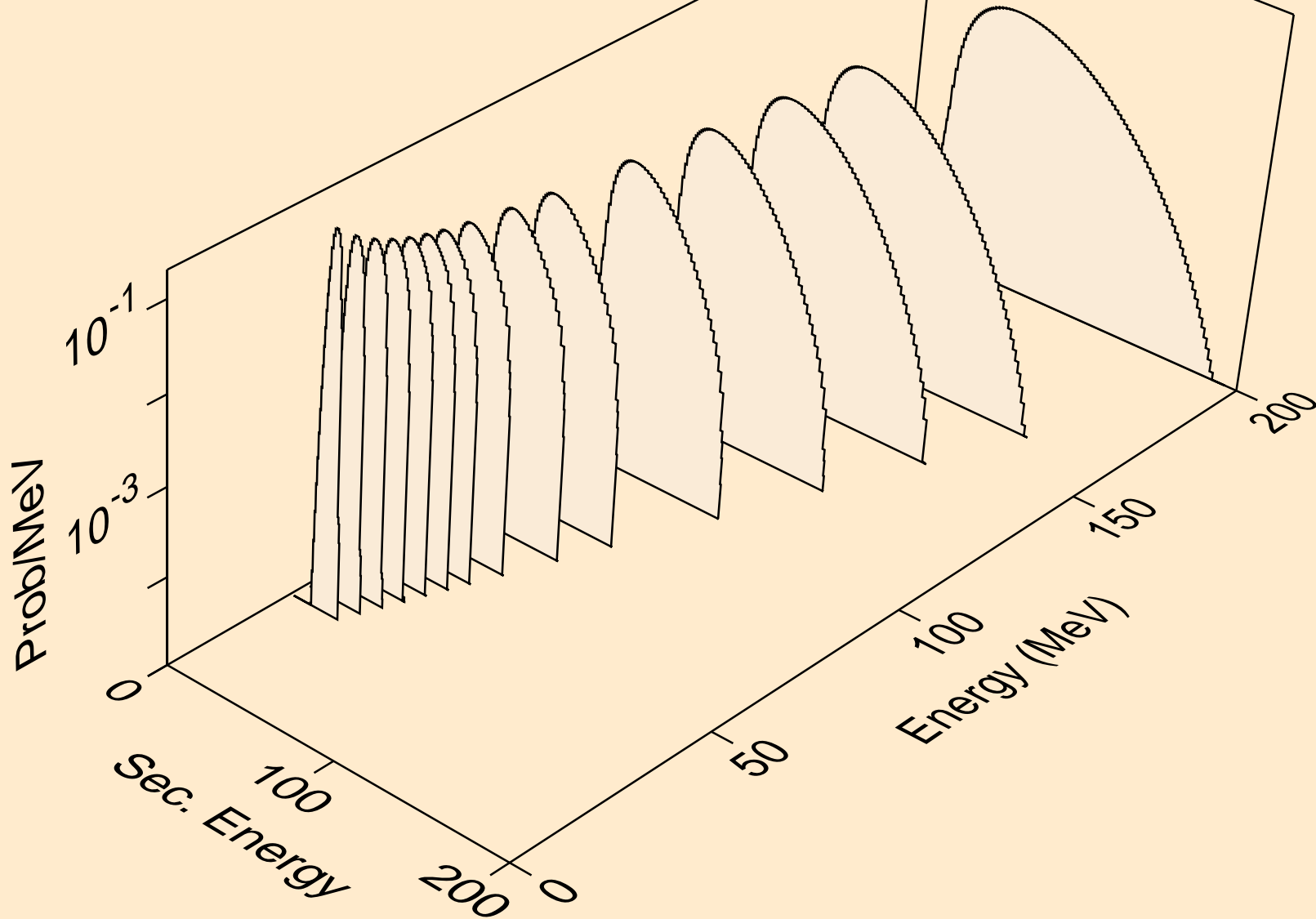
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tritons from (n,t)



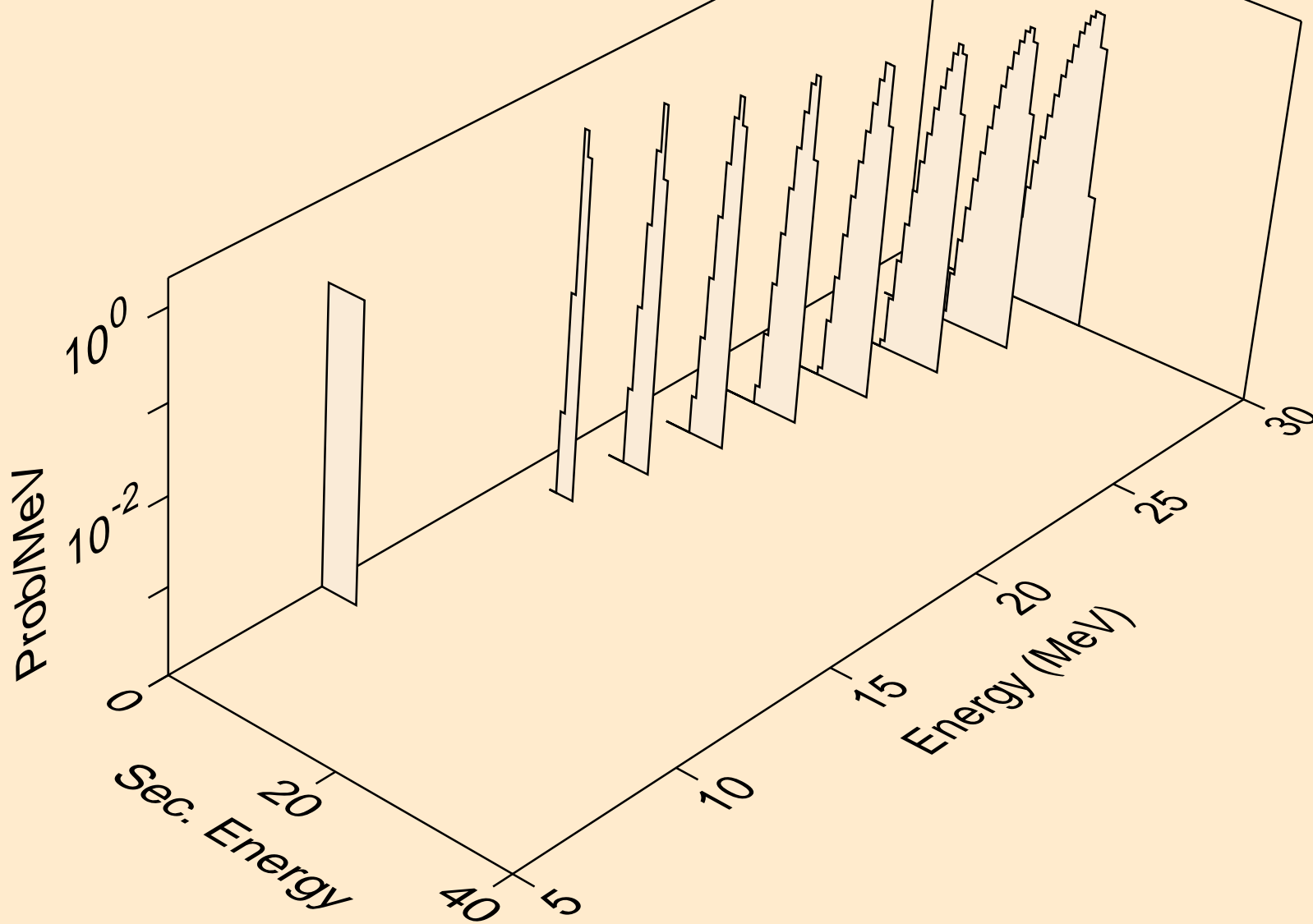
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



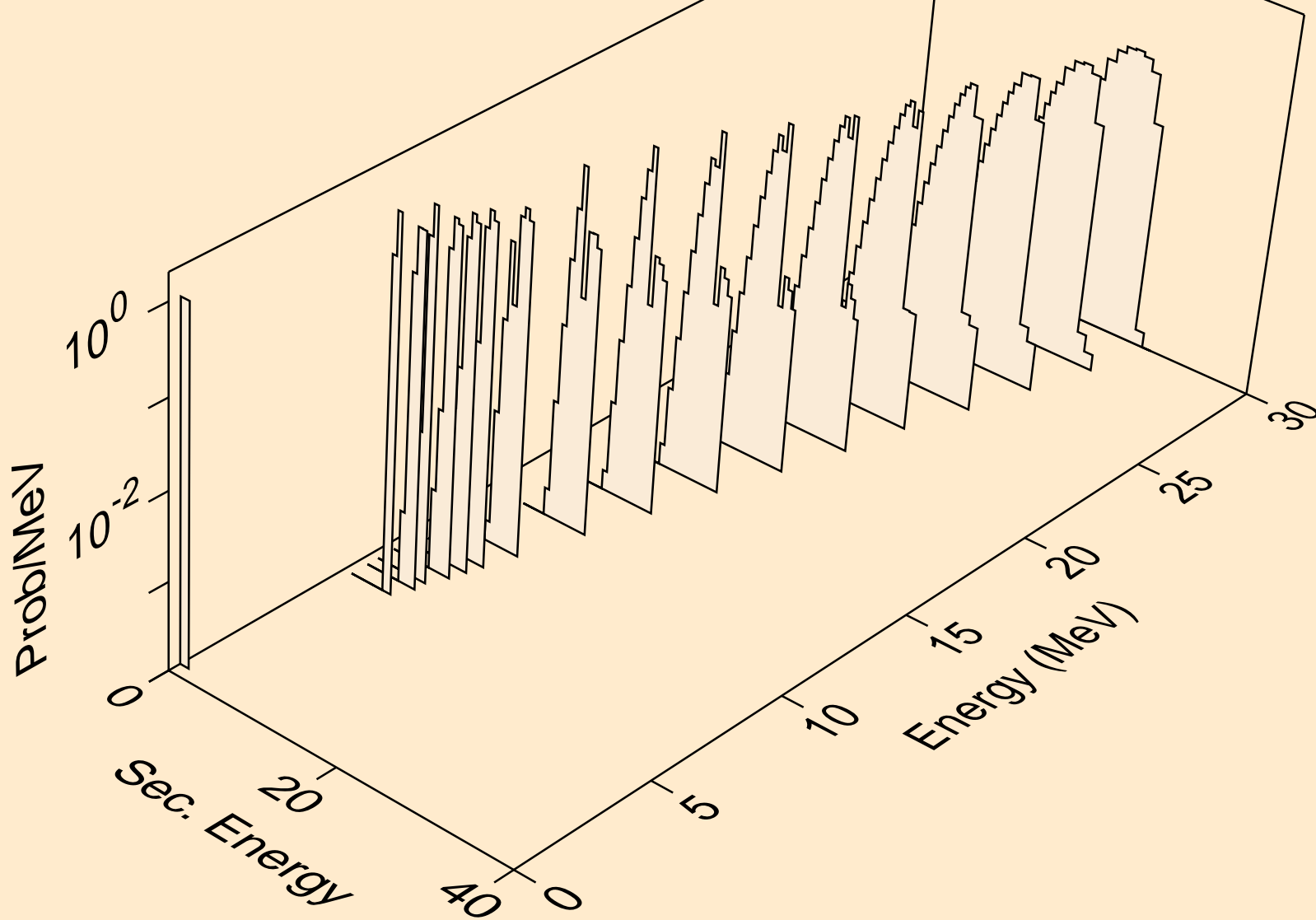
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



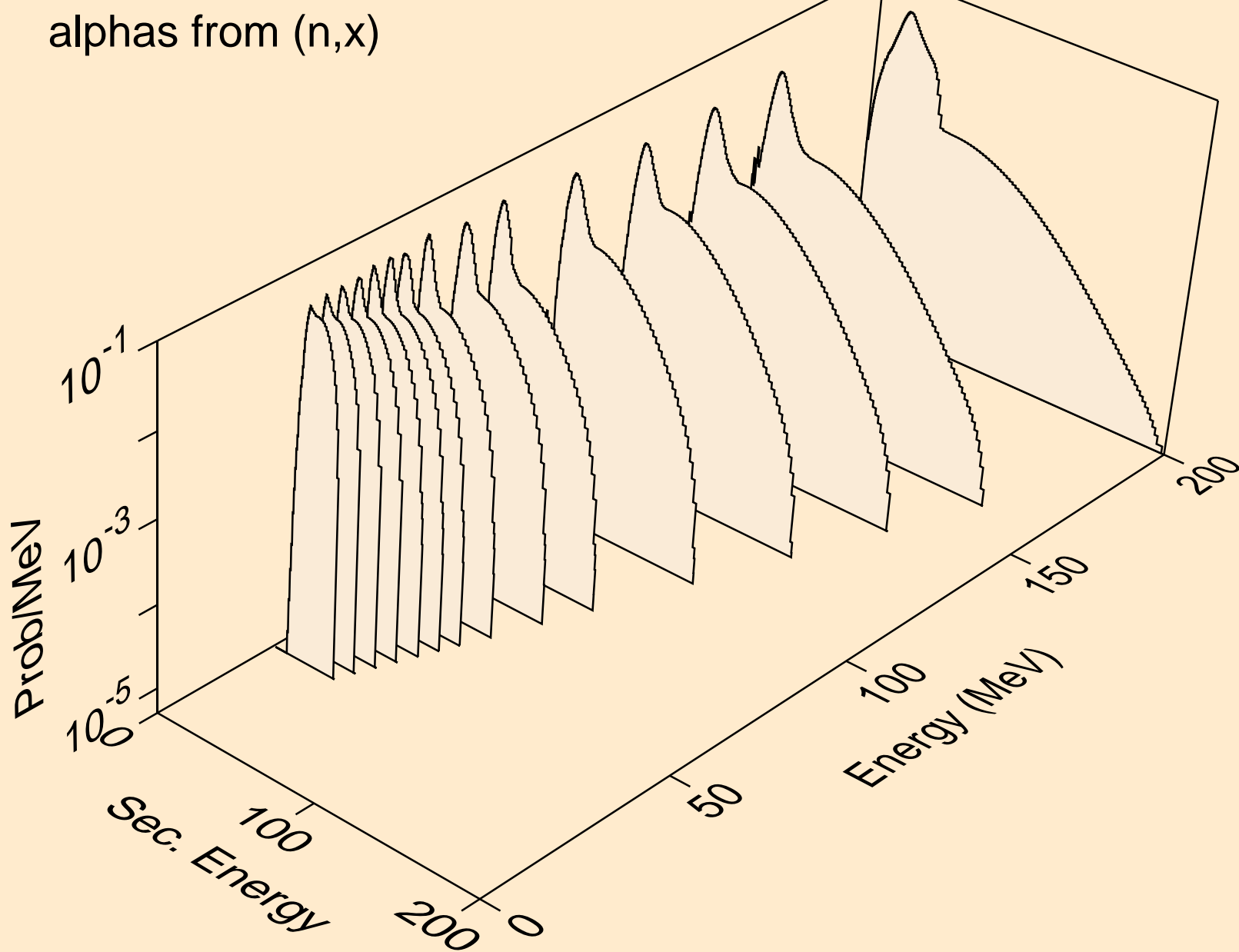
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



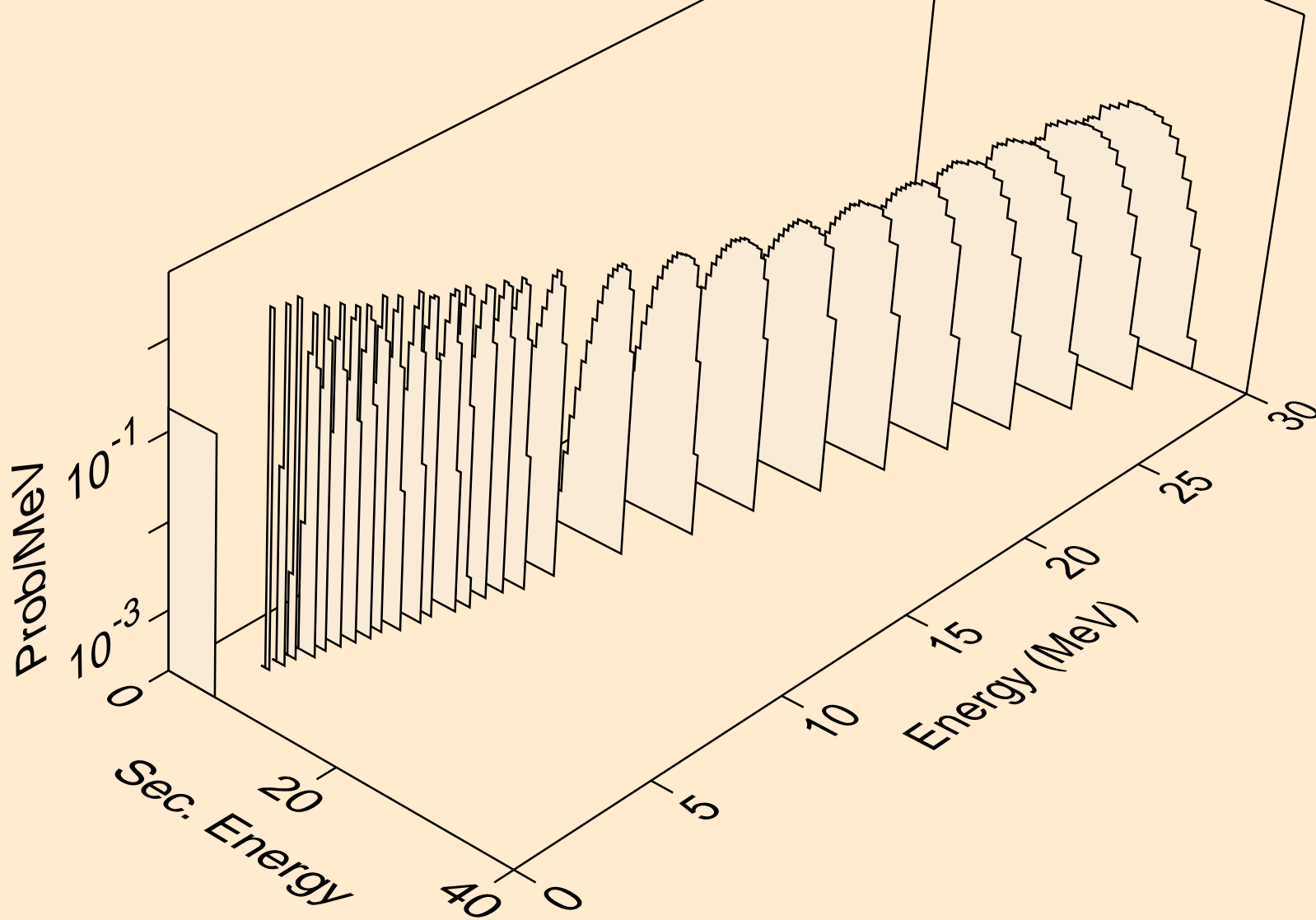
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



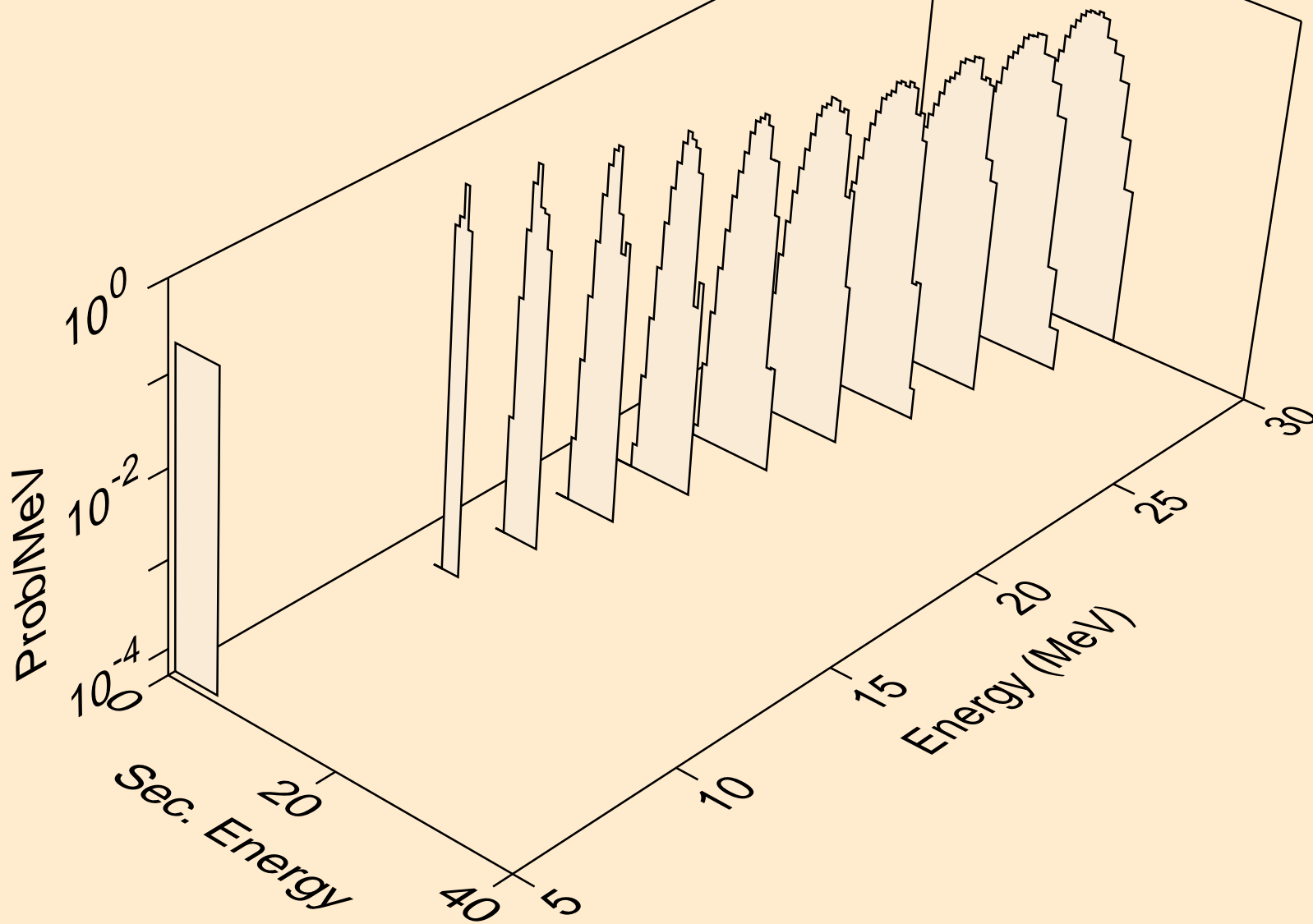
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



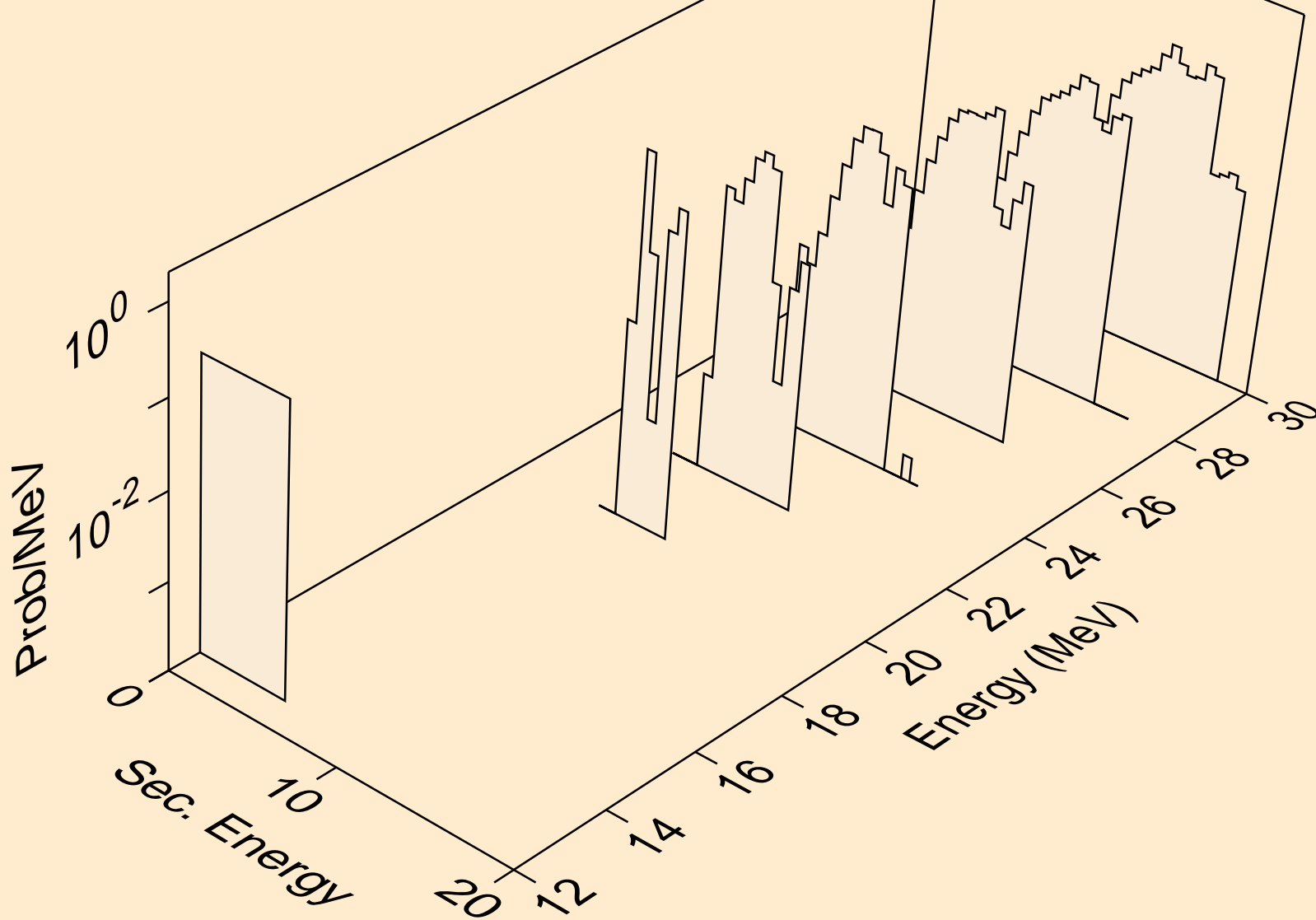
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



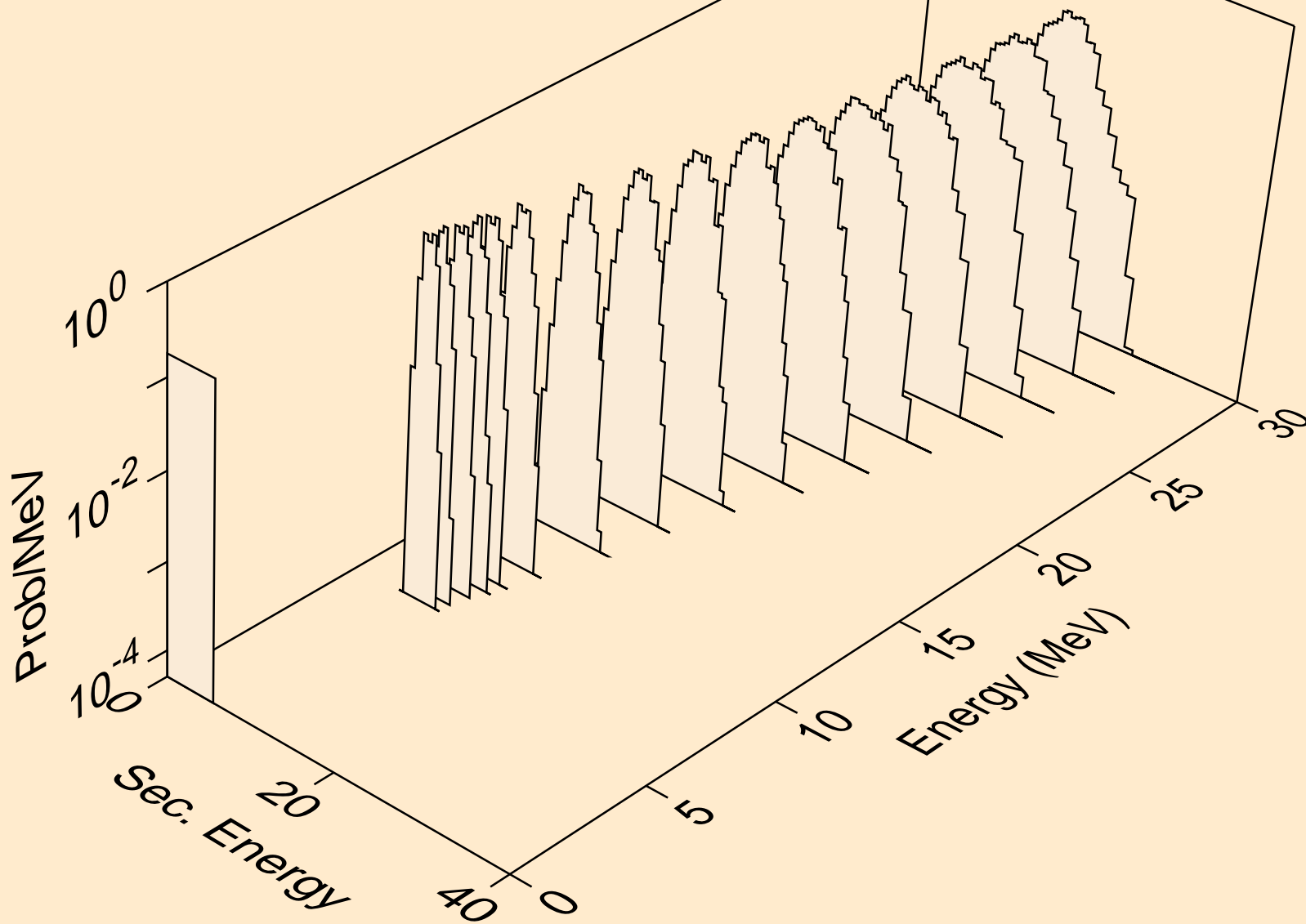
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



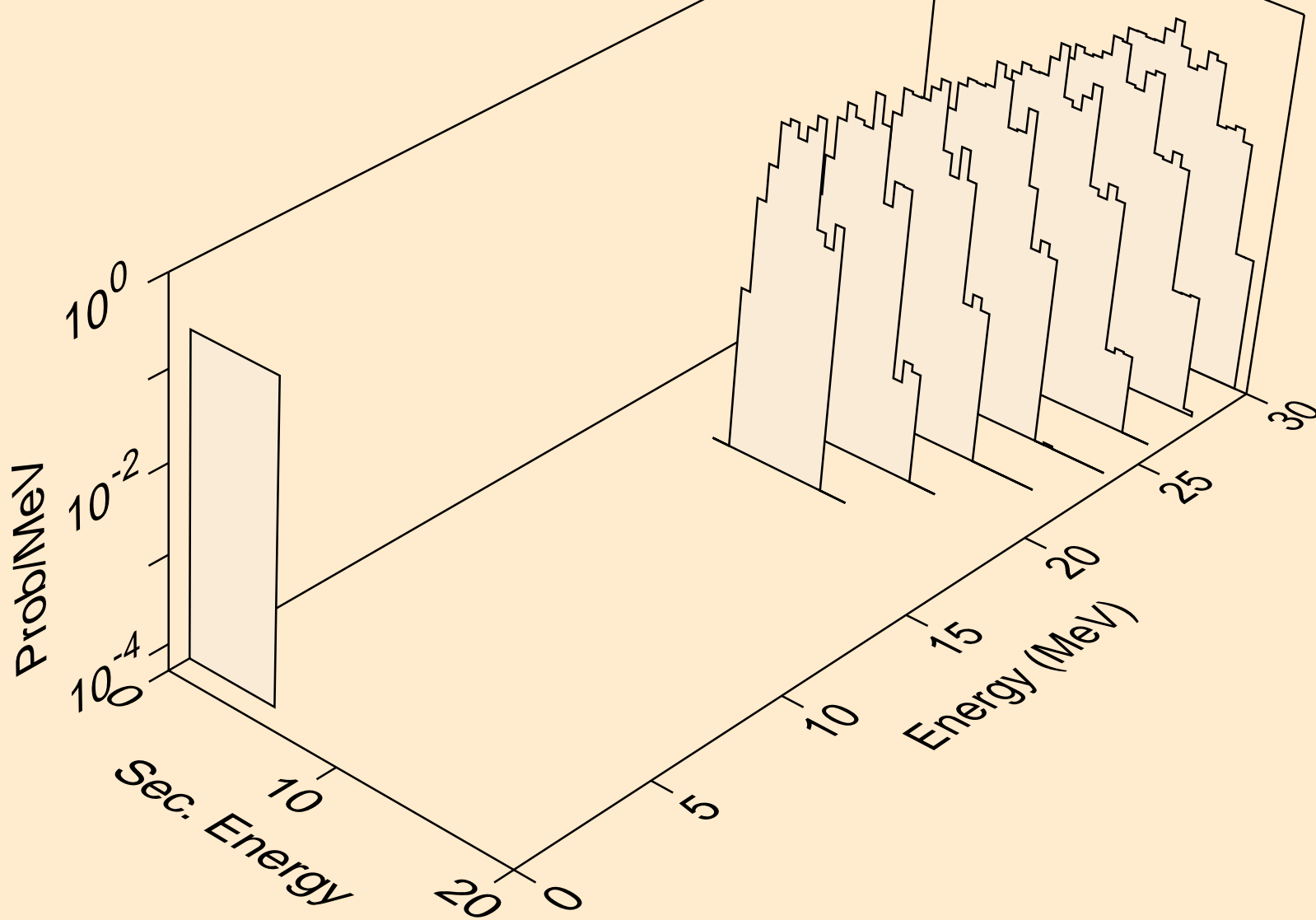
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



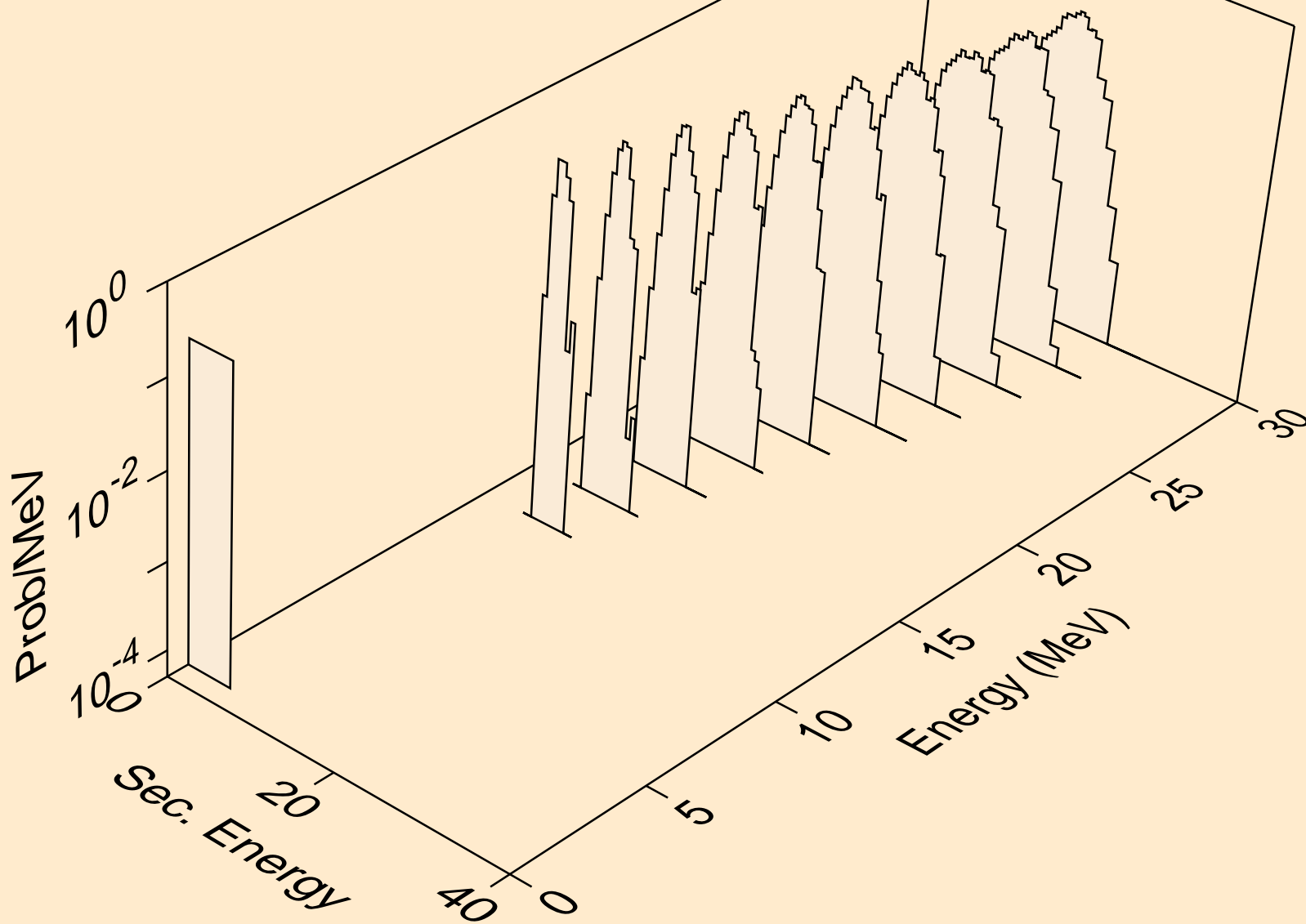
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



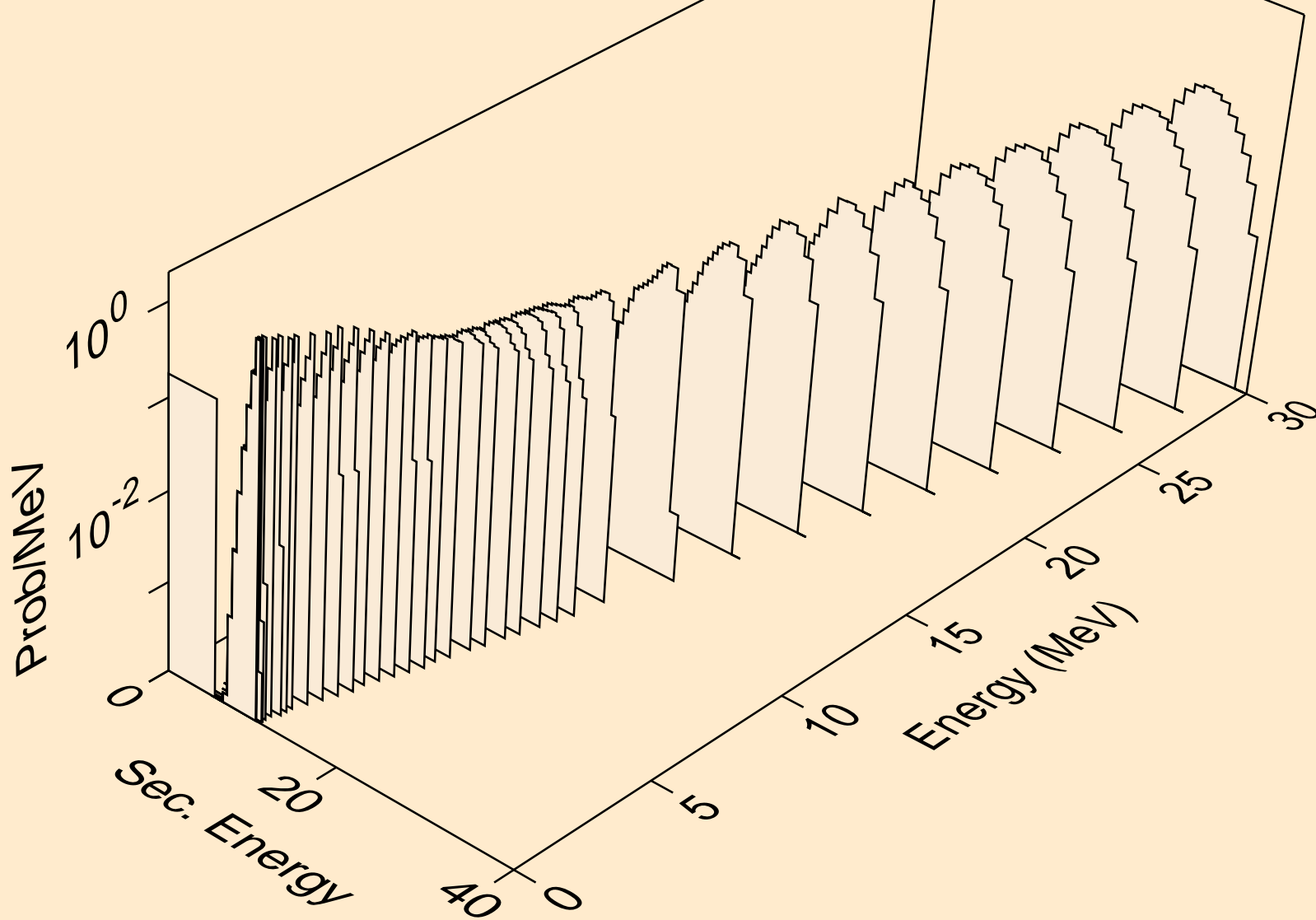
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



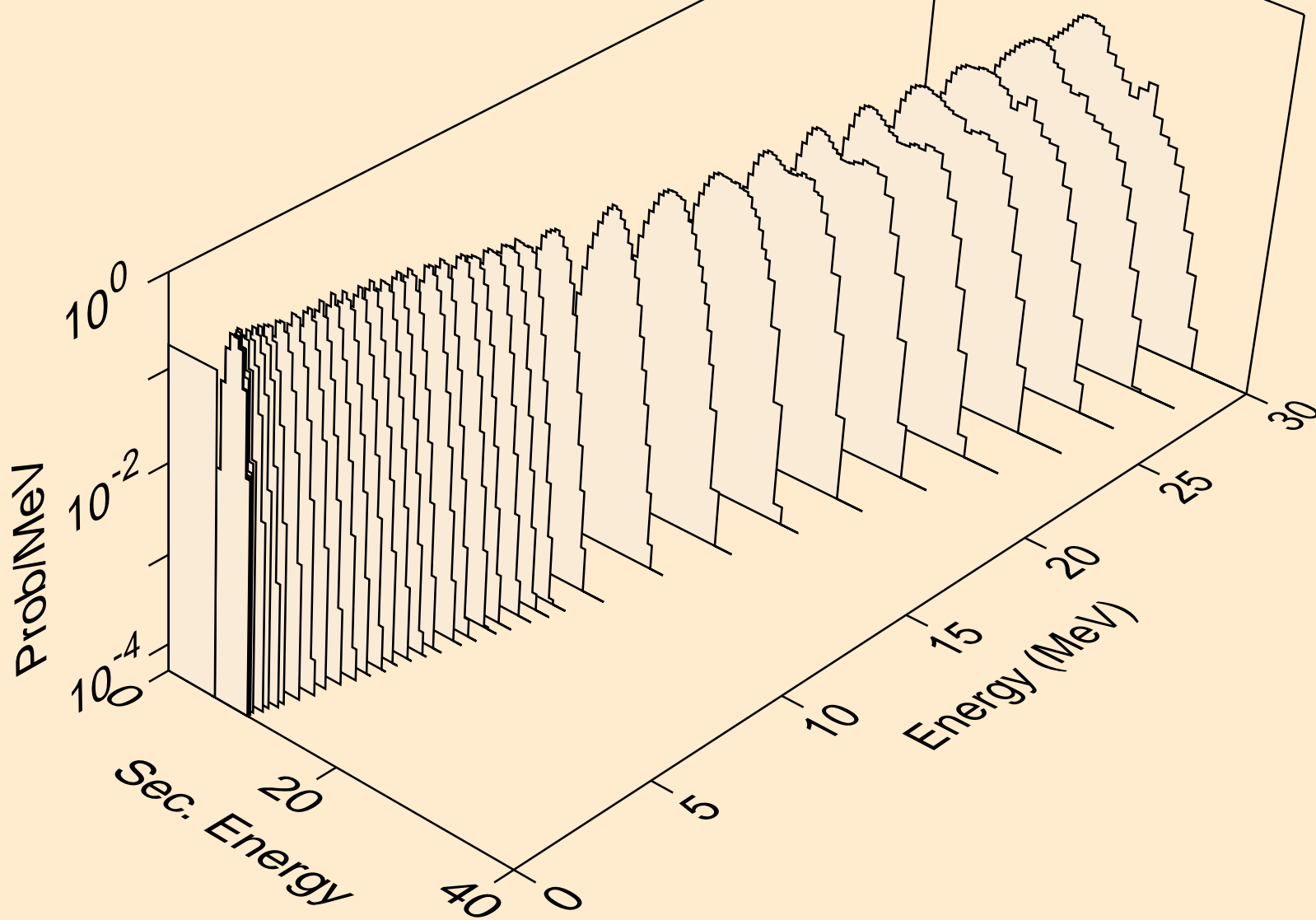
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



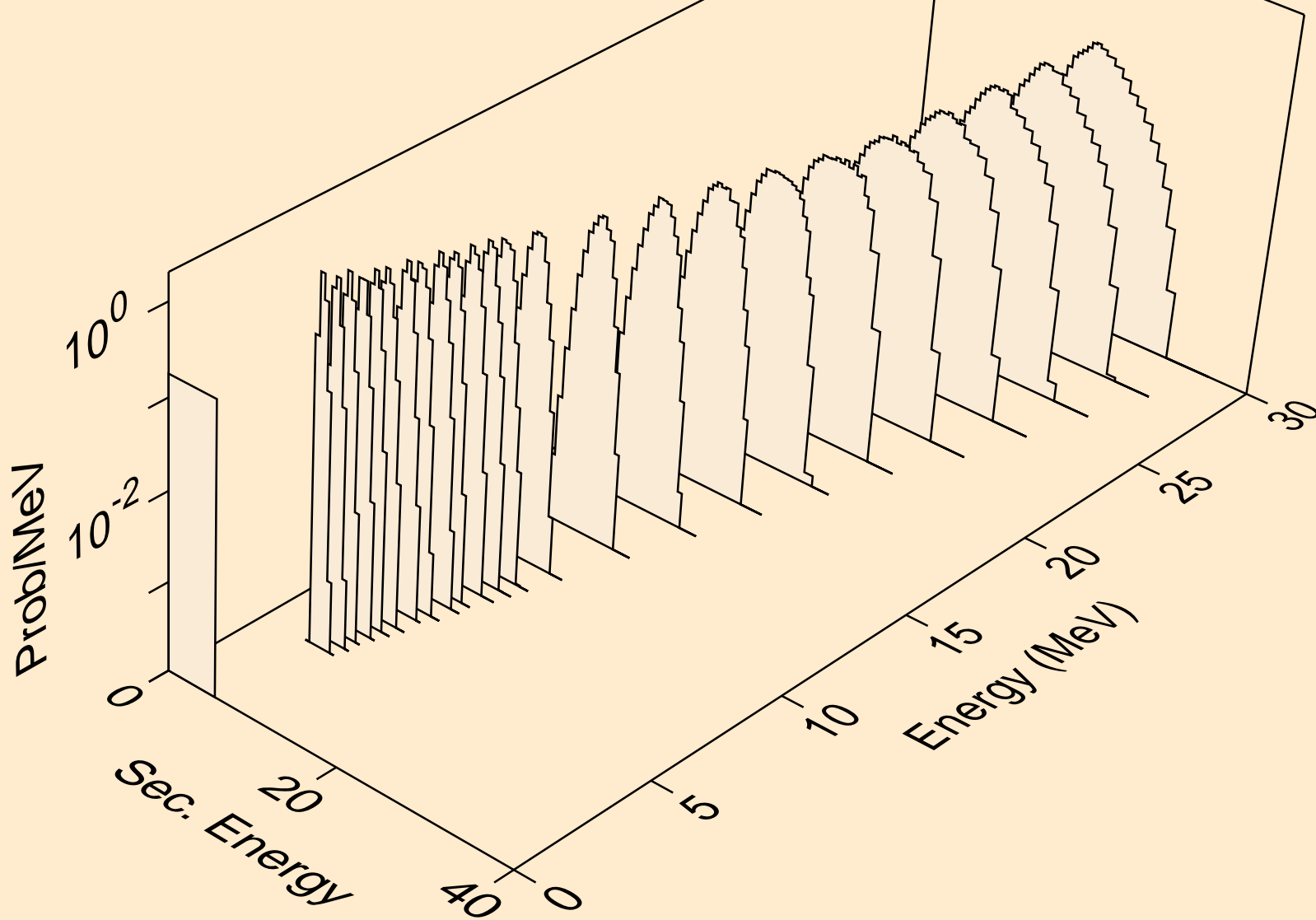
HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



HG190 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

