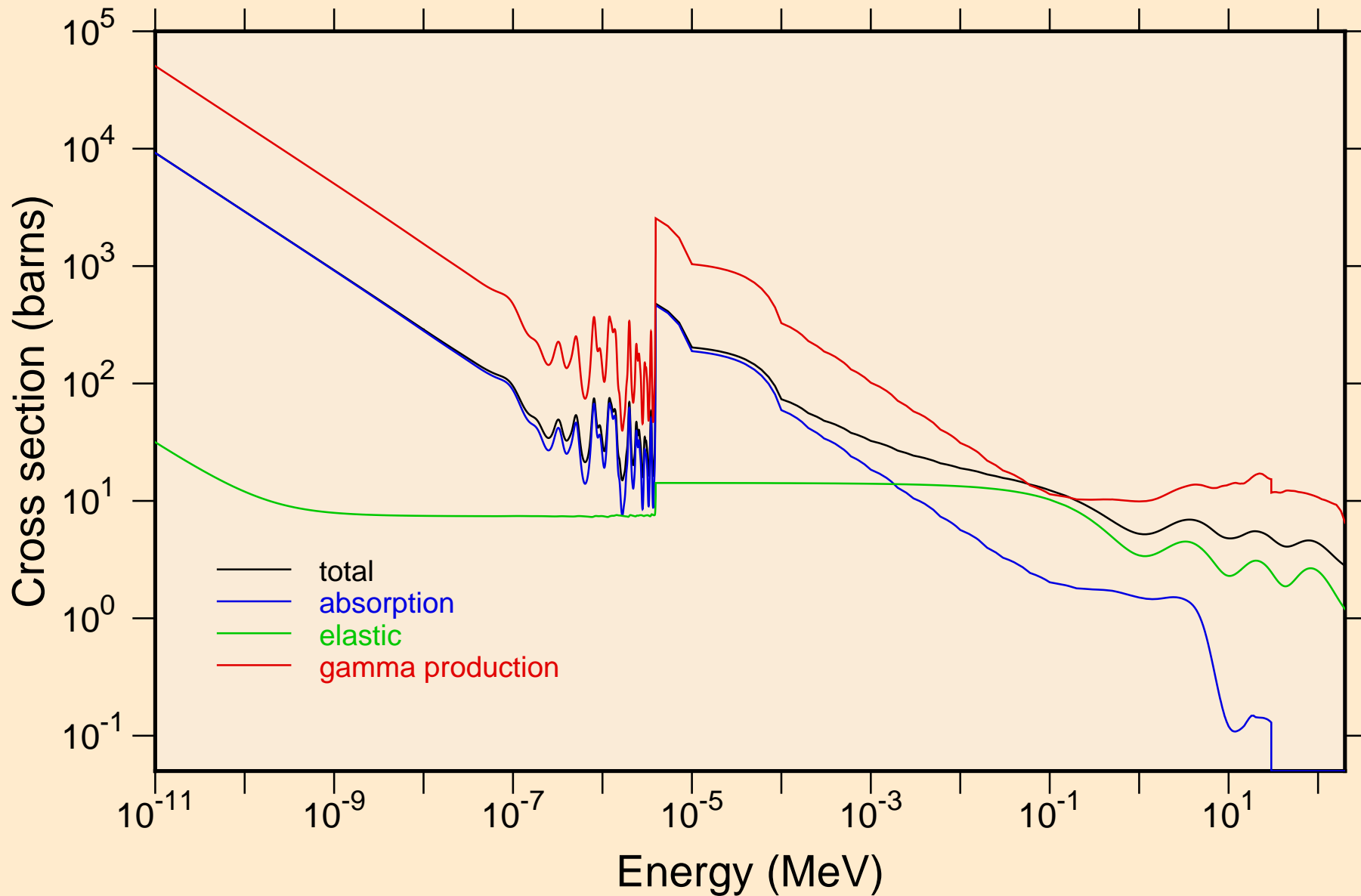
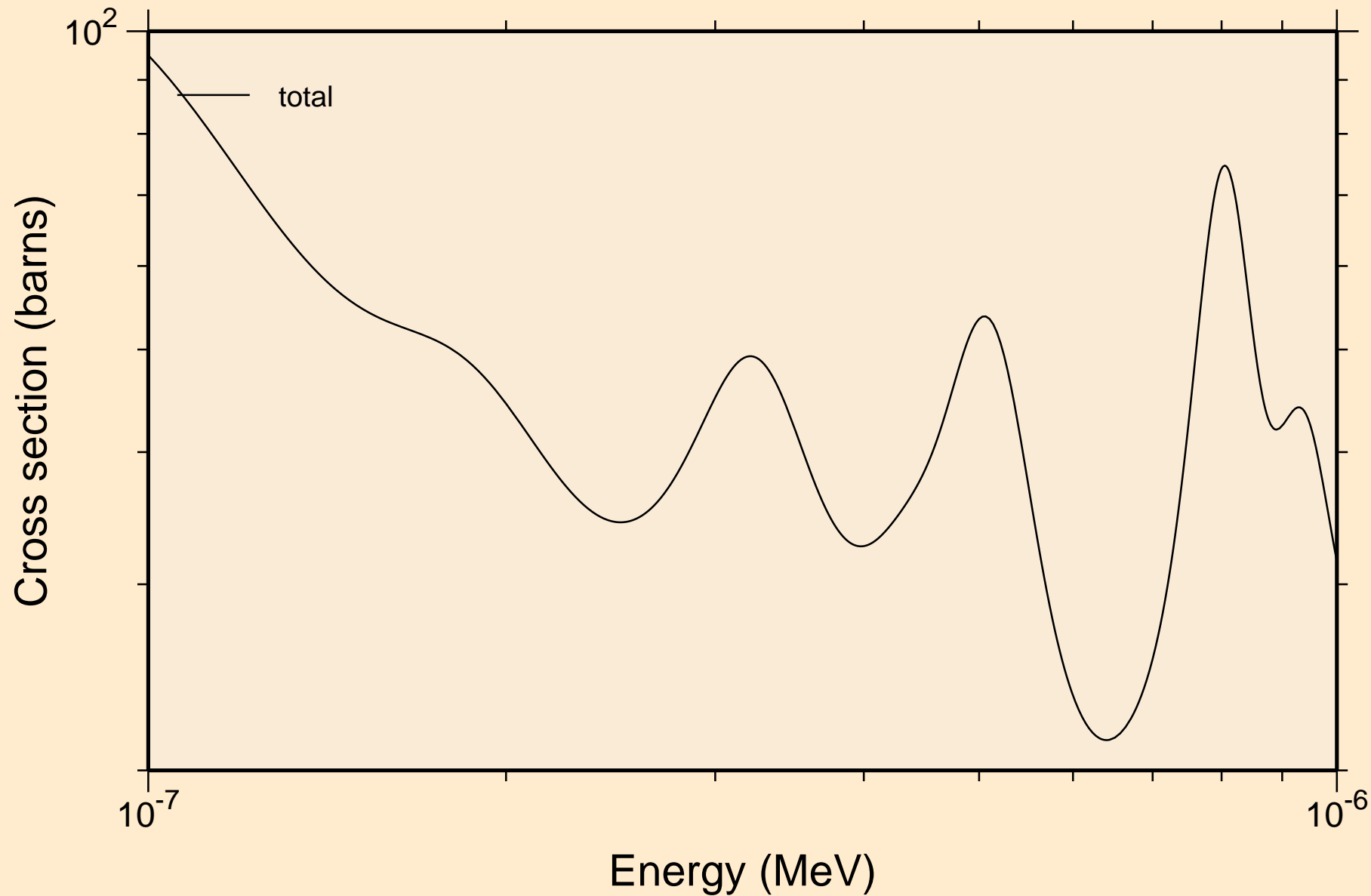


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

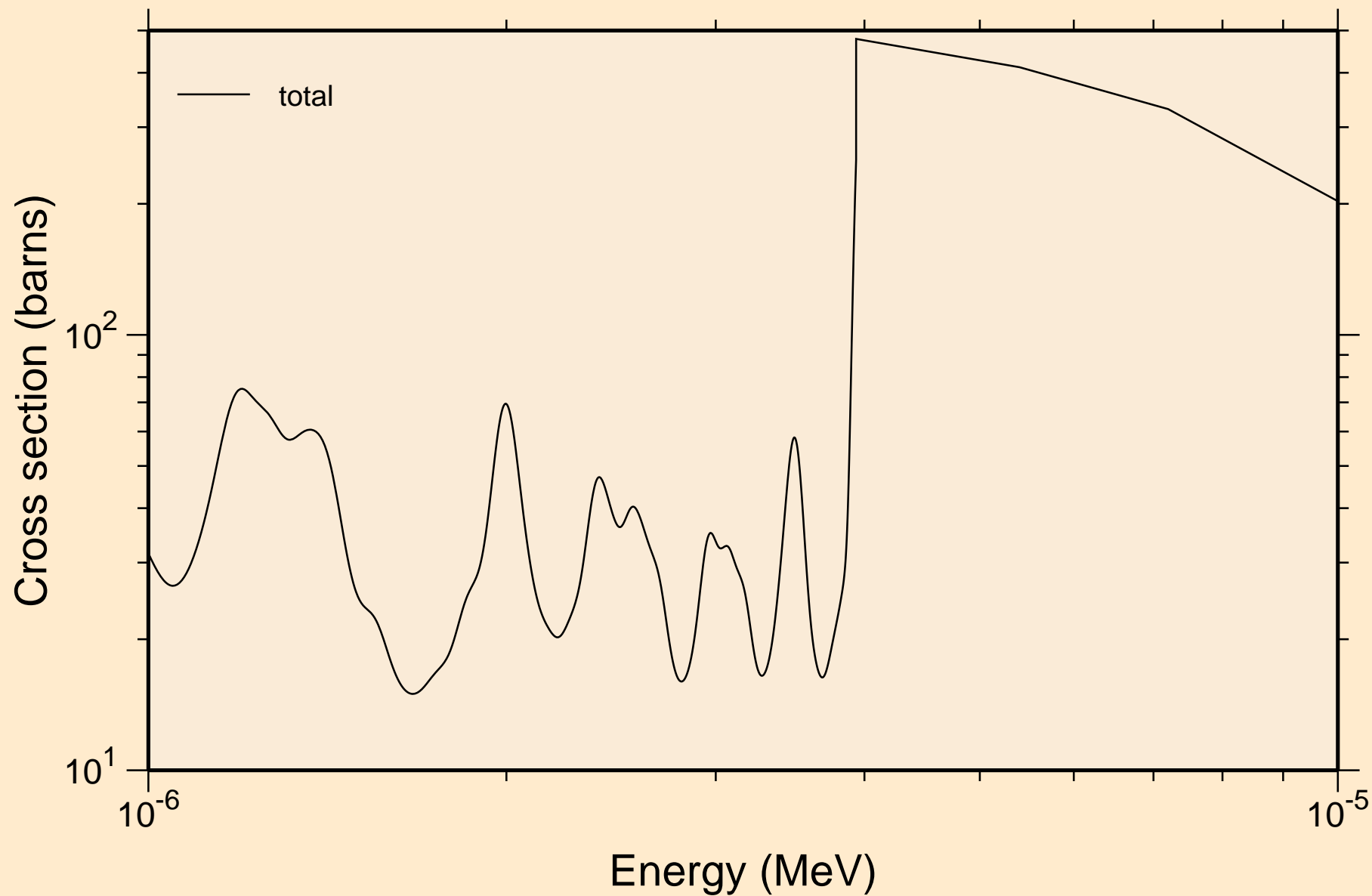
Principal cross sections



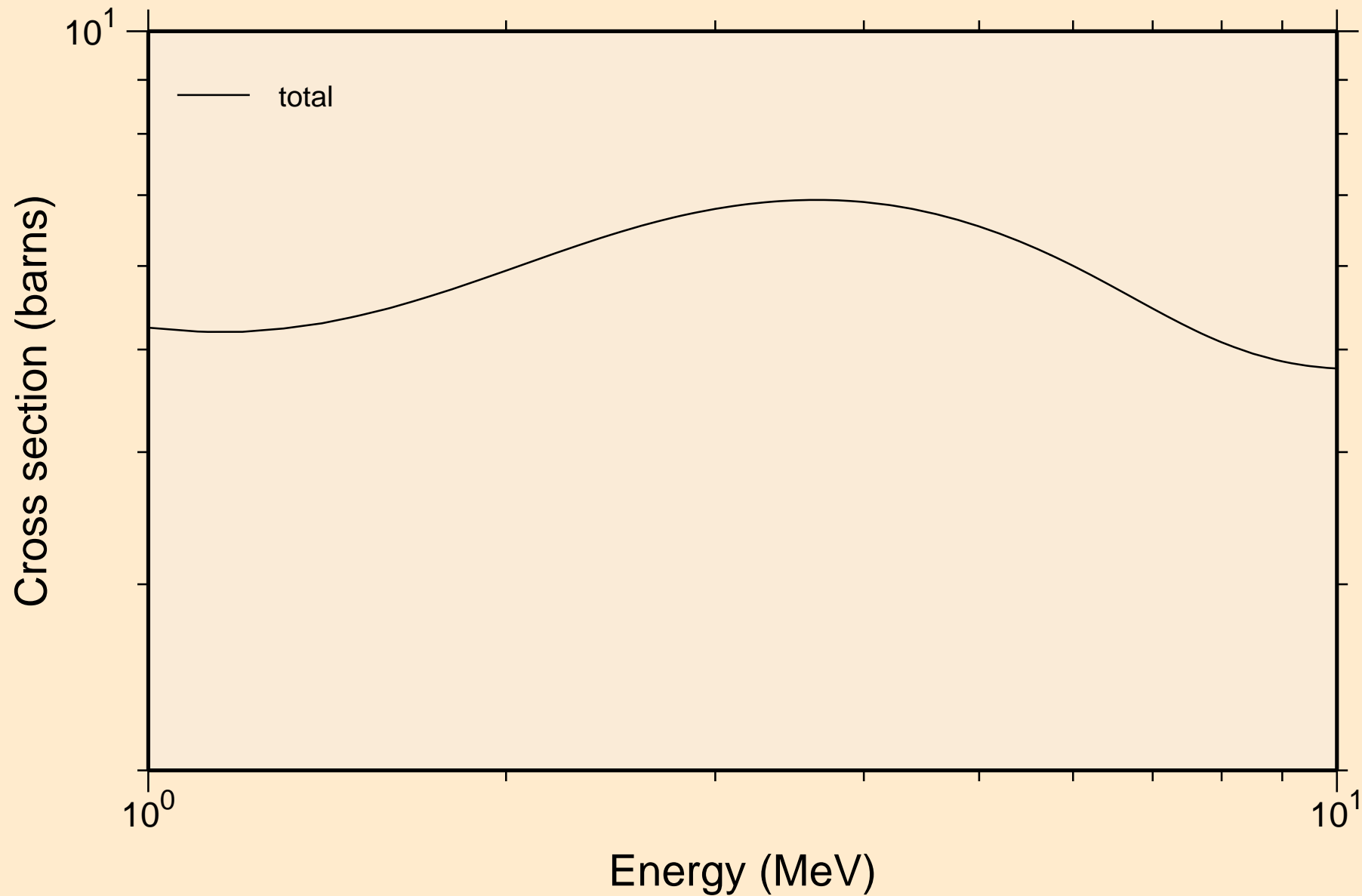
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



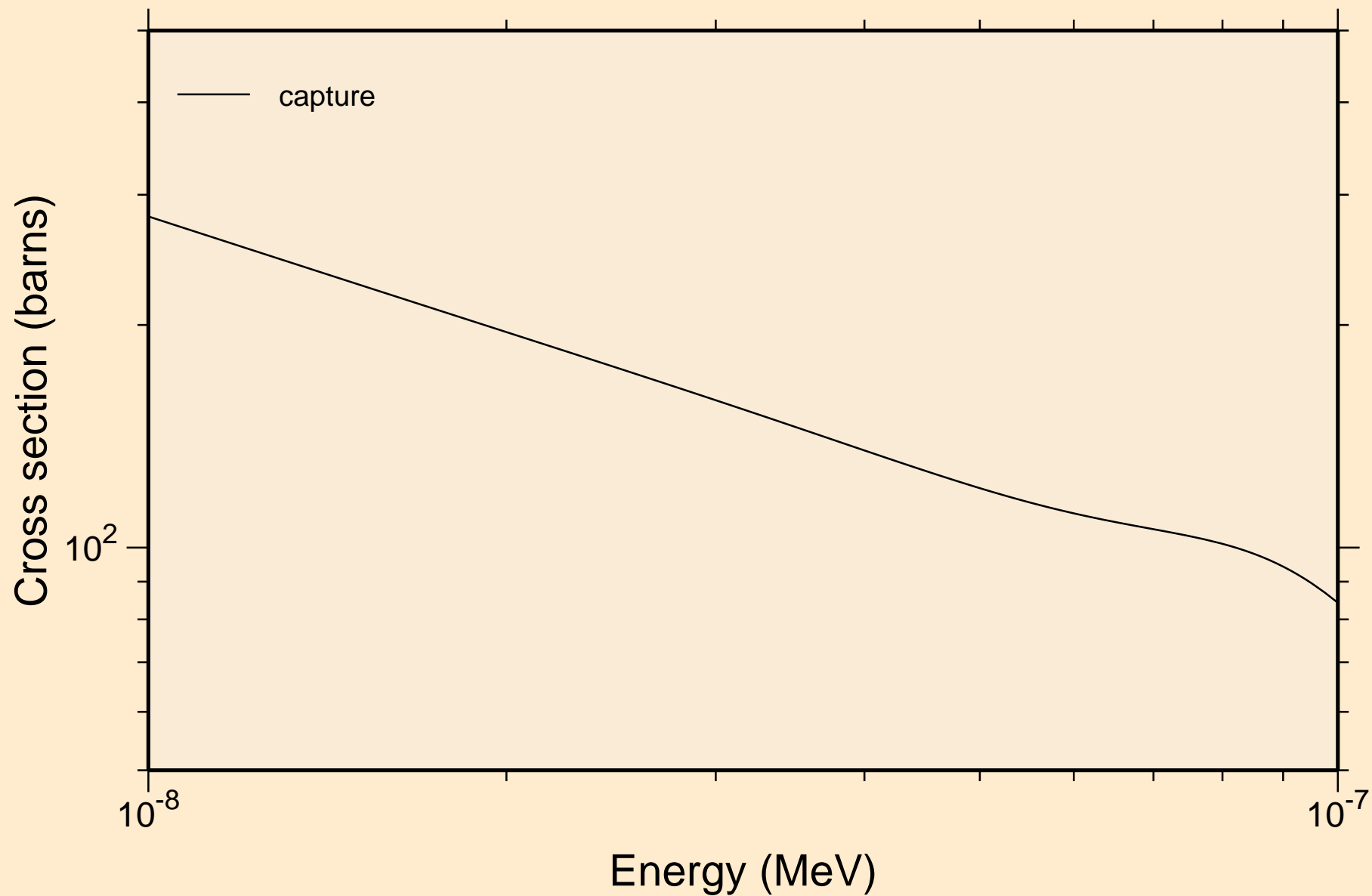
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resonance total cross section



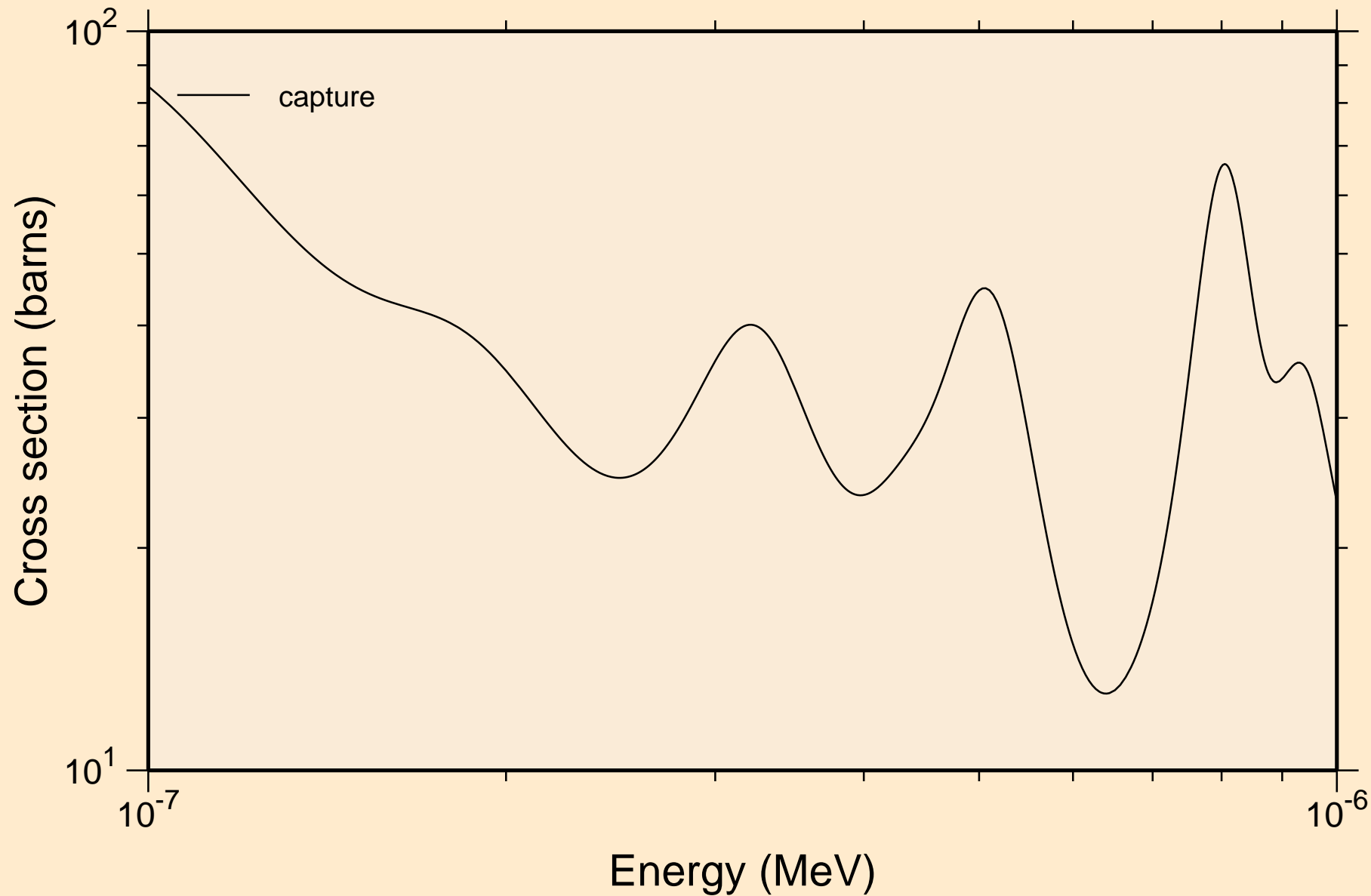
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



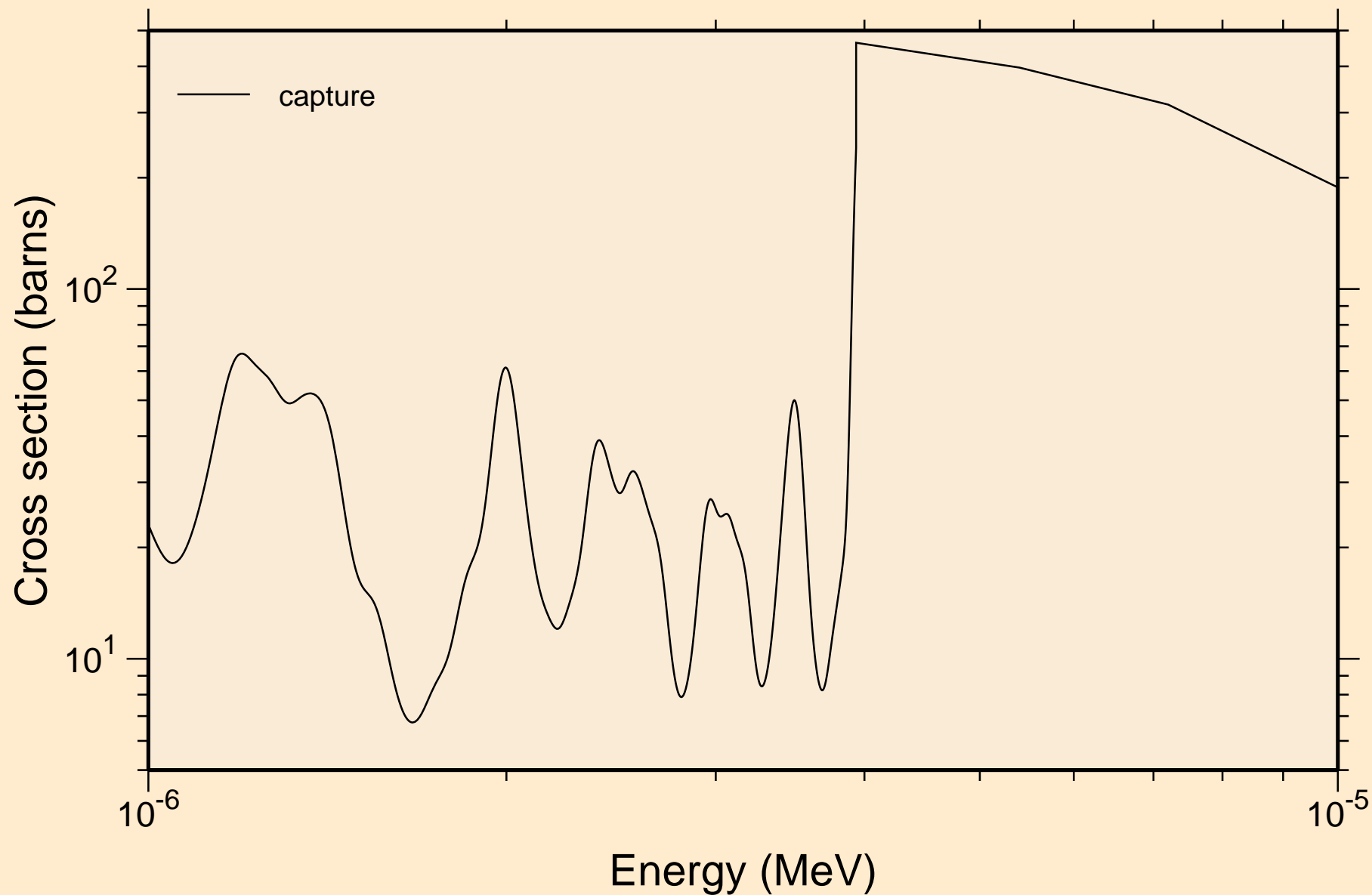
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



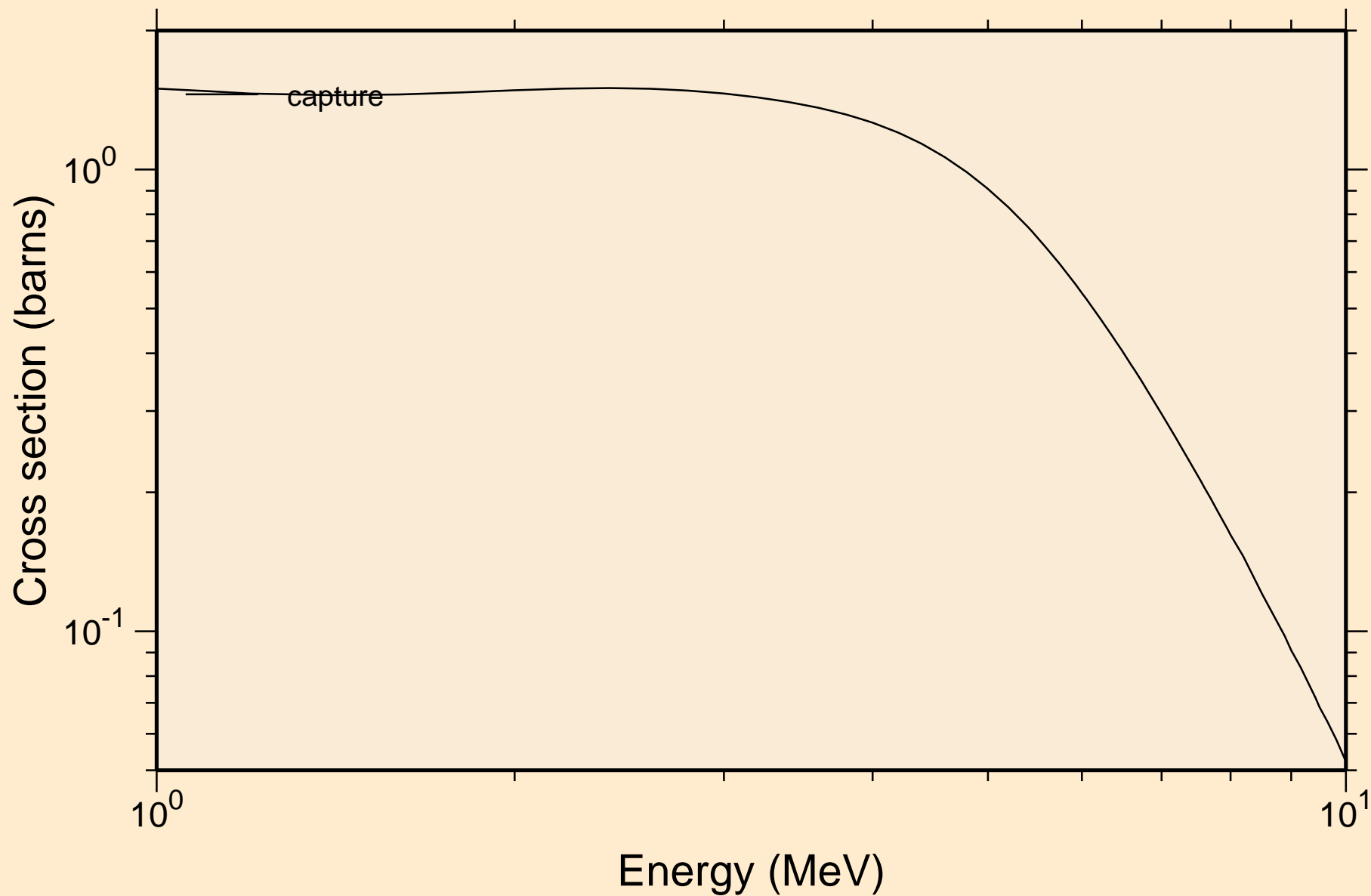
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



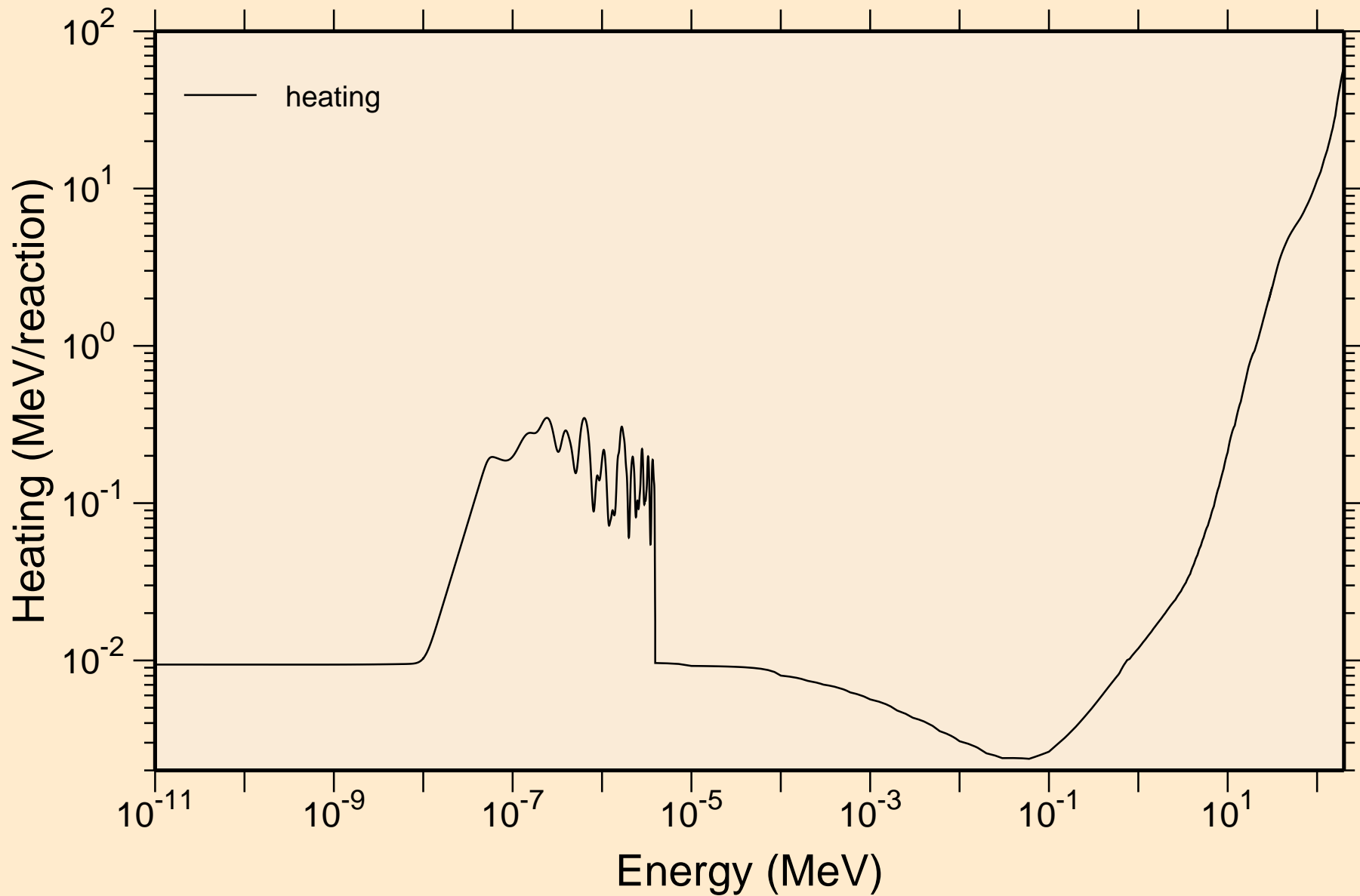
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



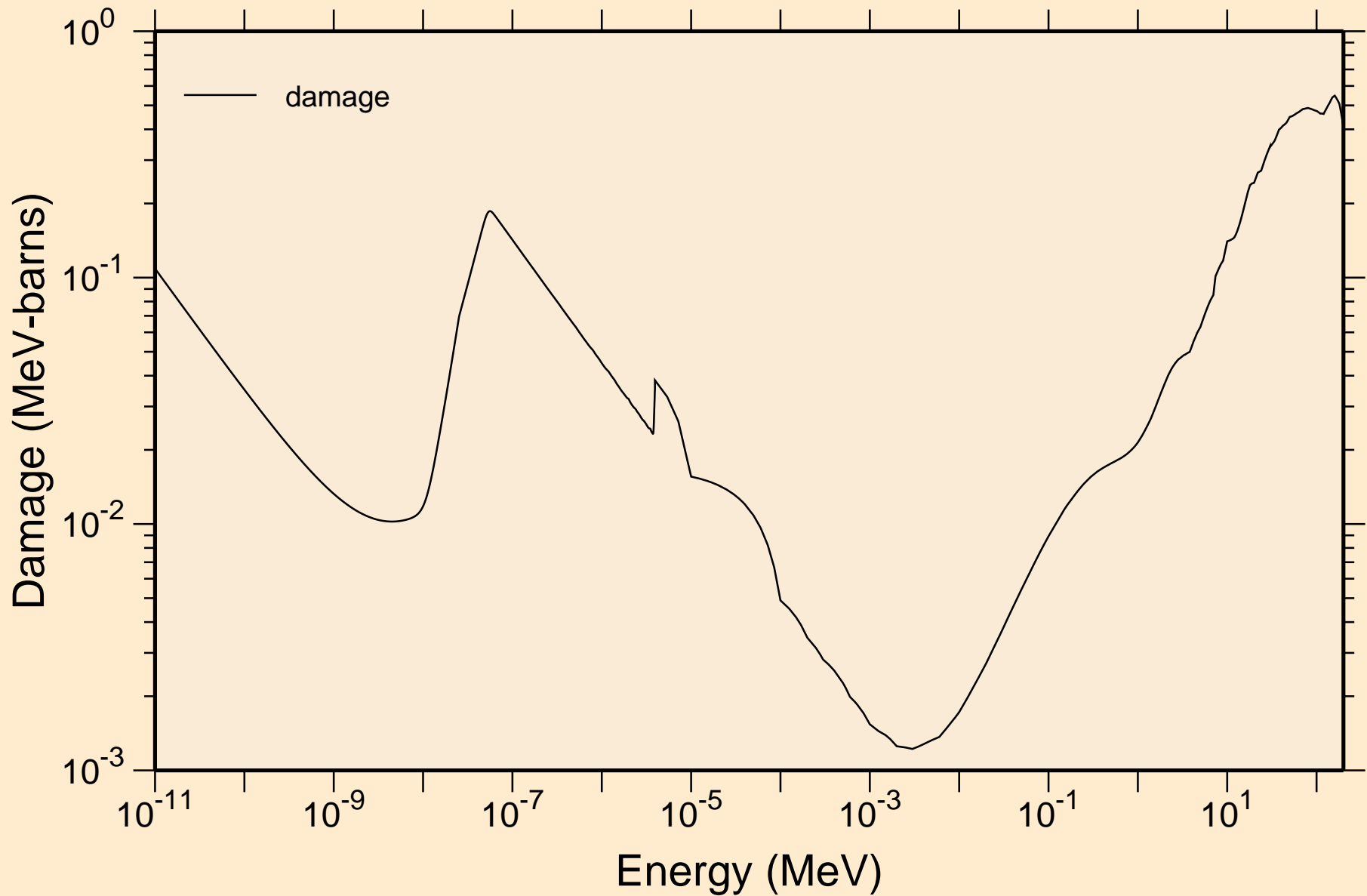
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

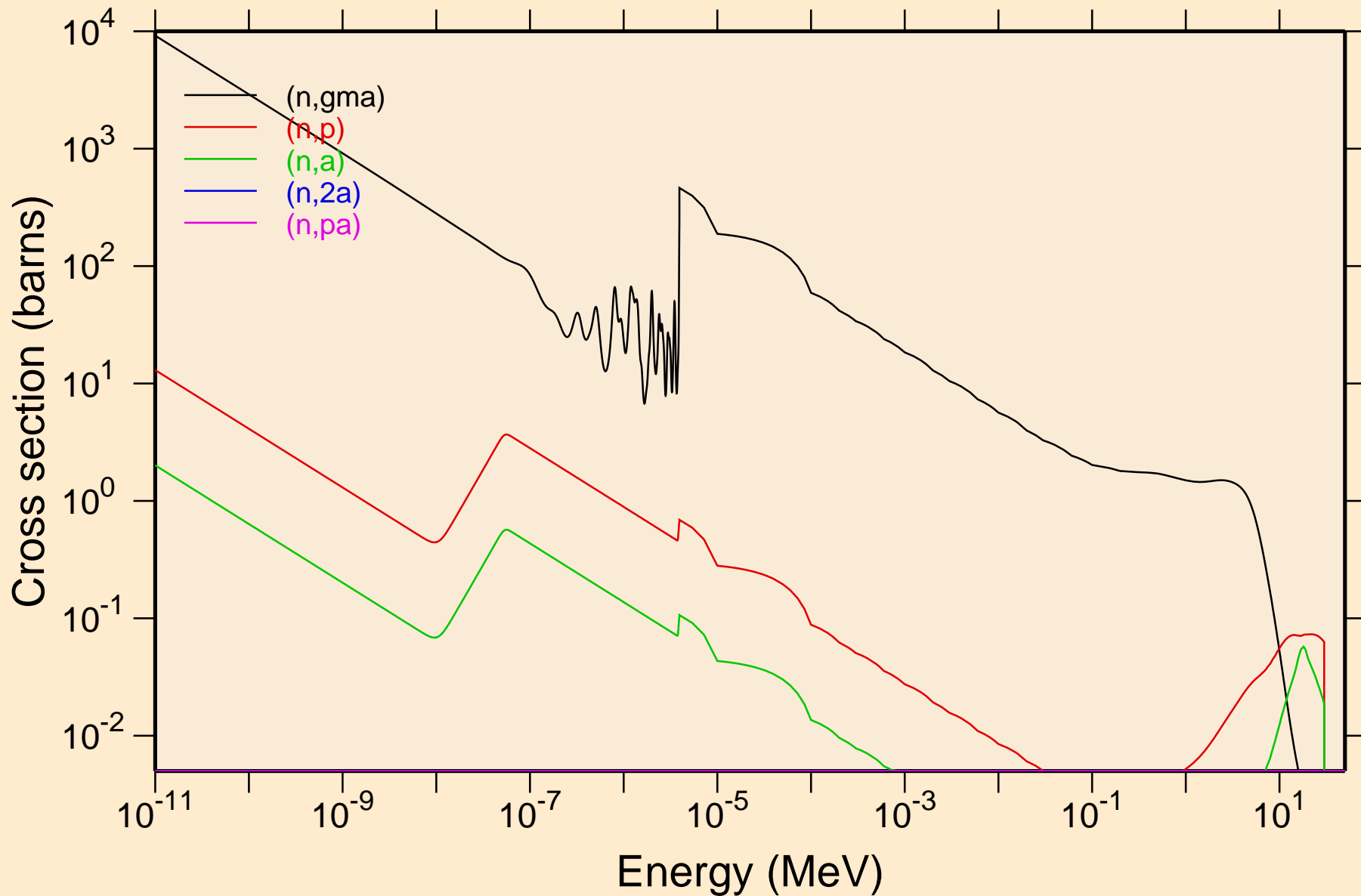


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

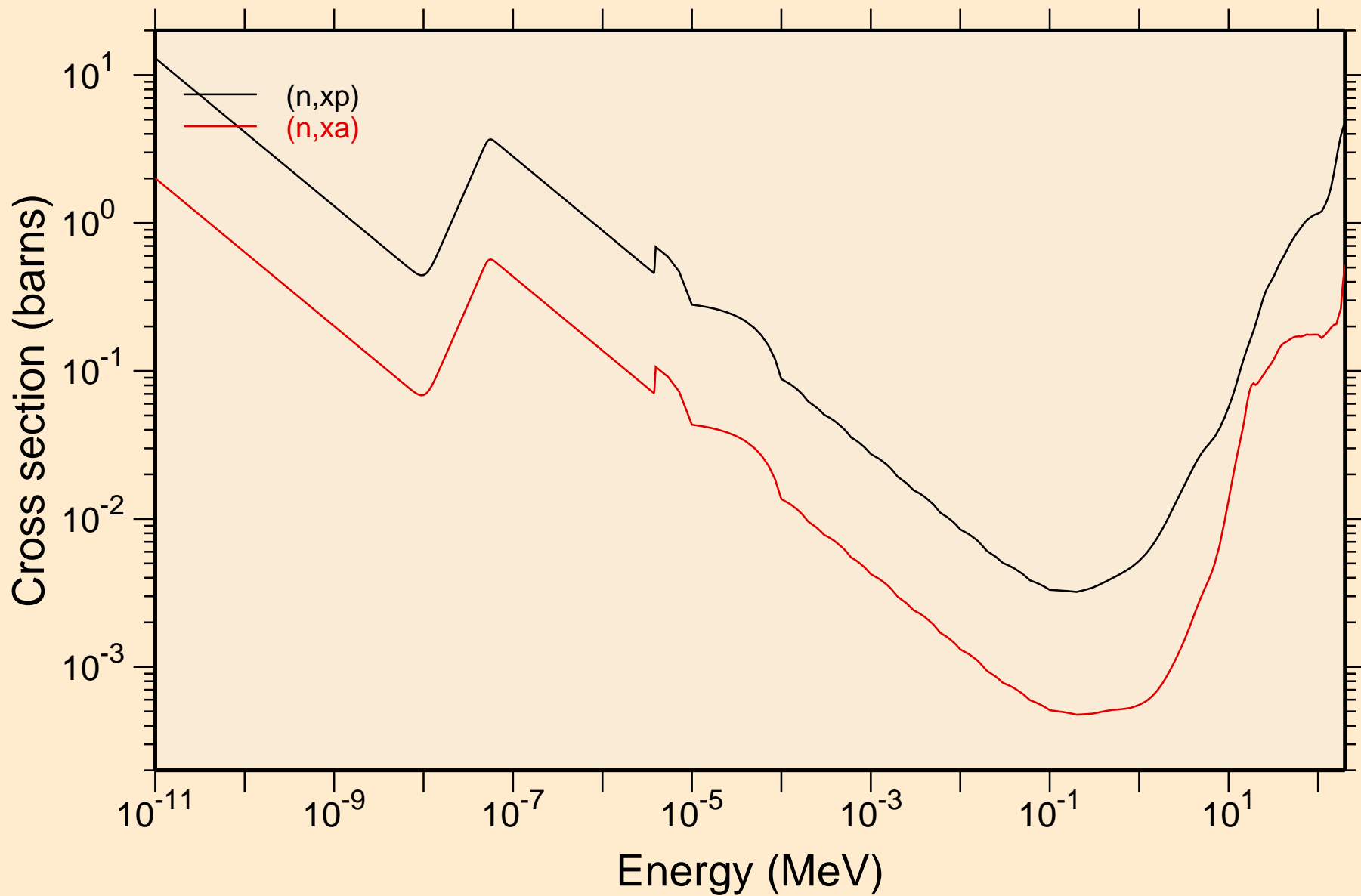


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

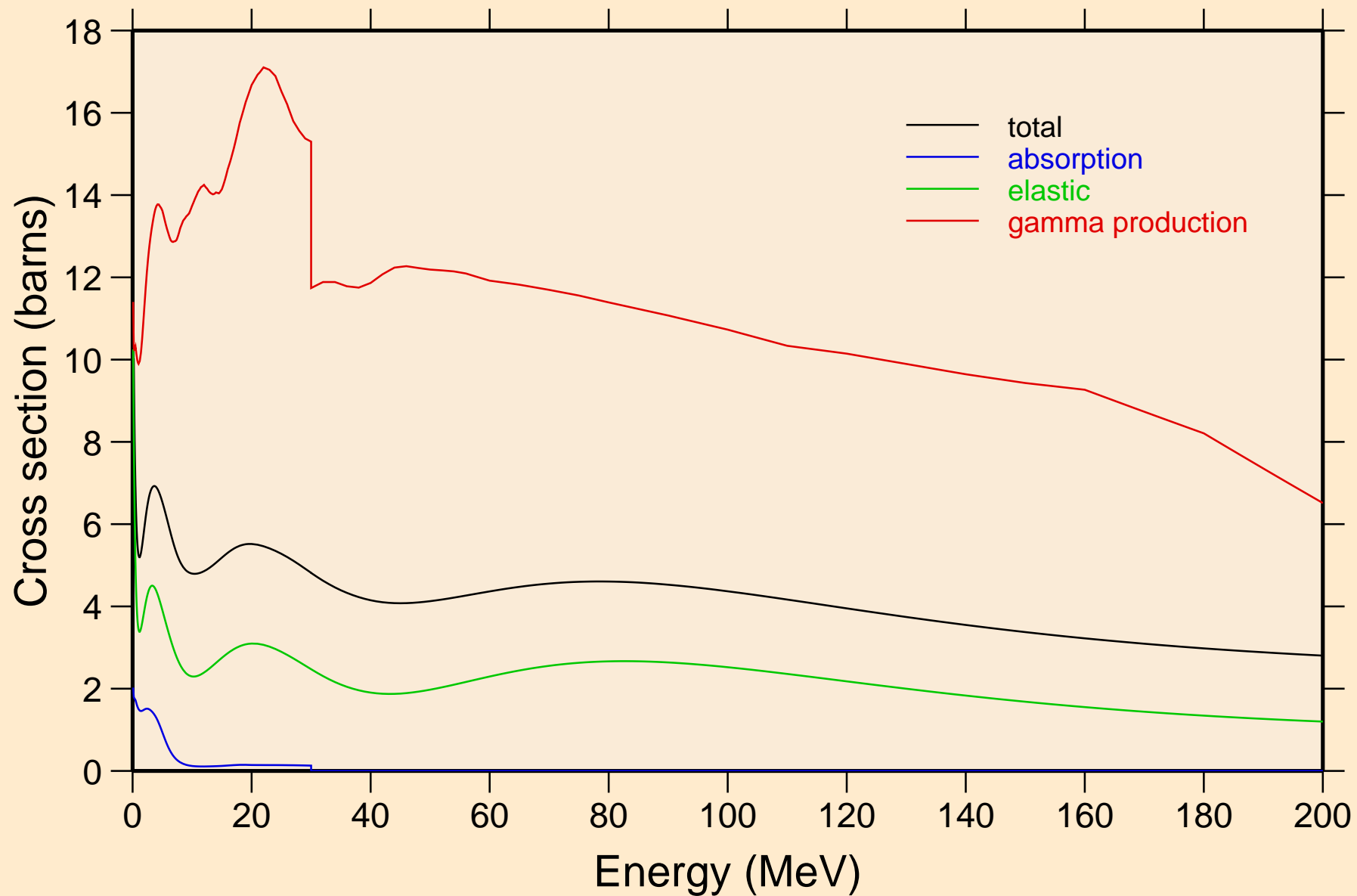


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

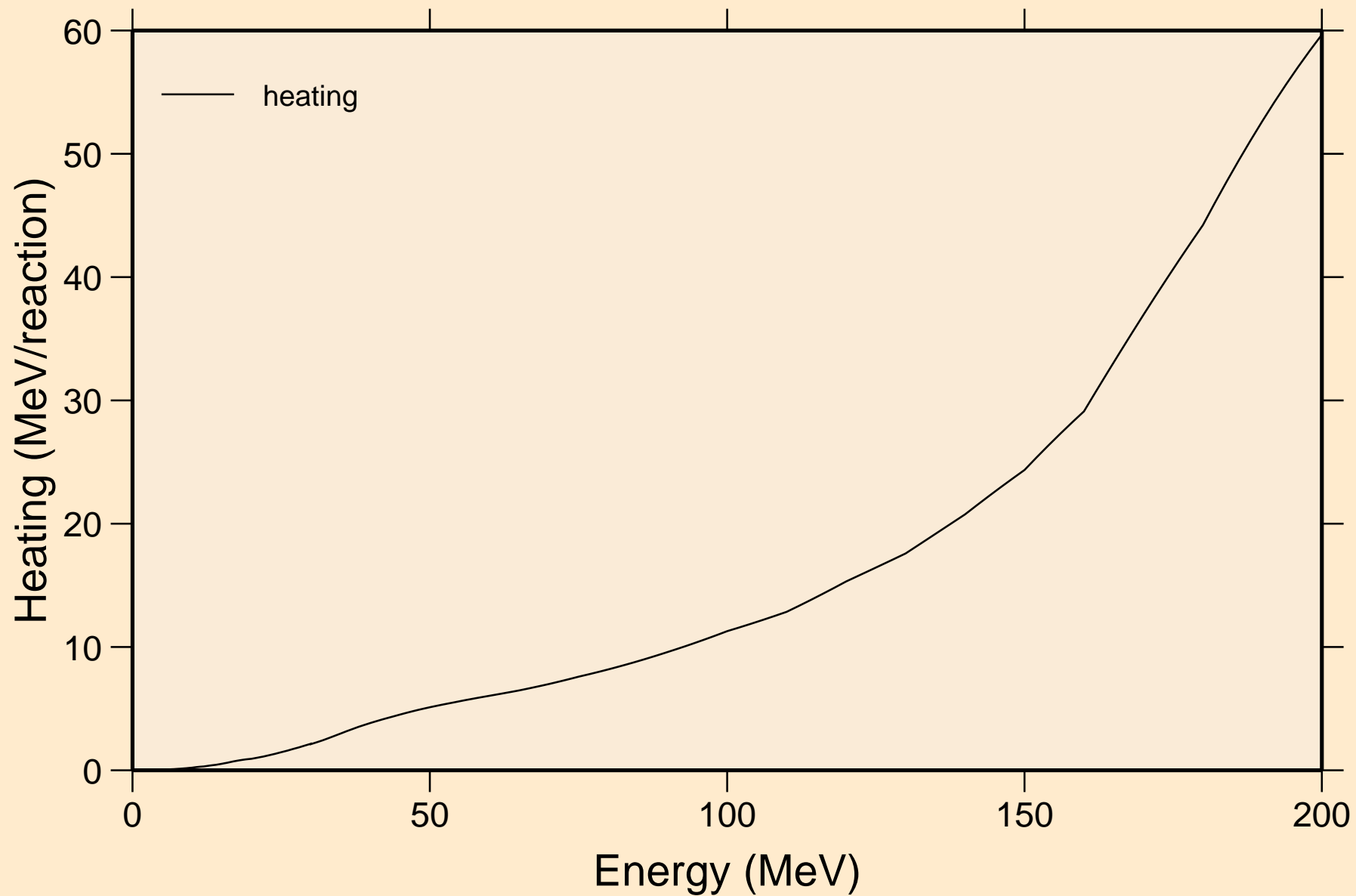


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

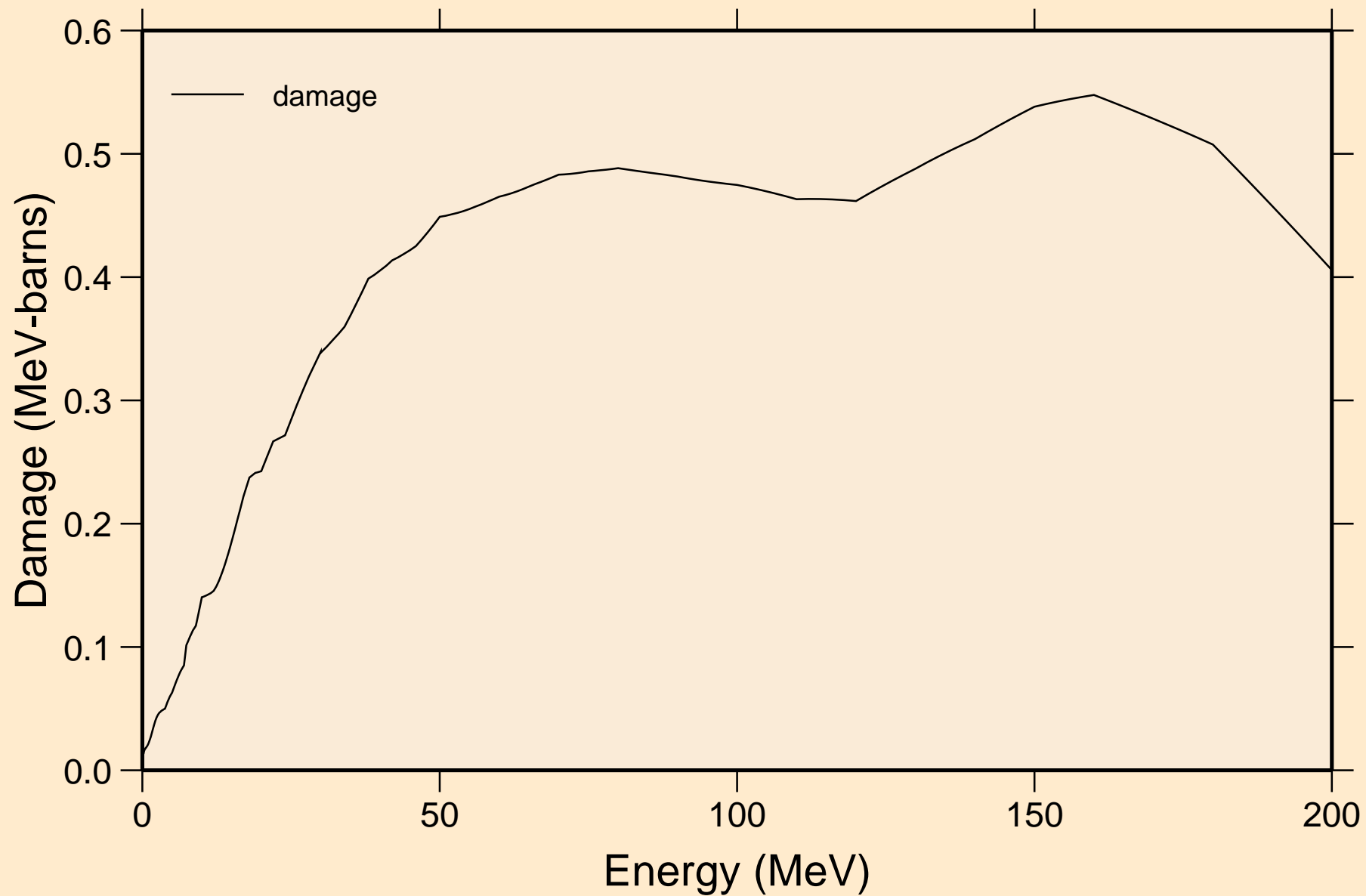
Principal cross sections



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

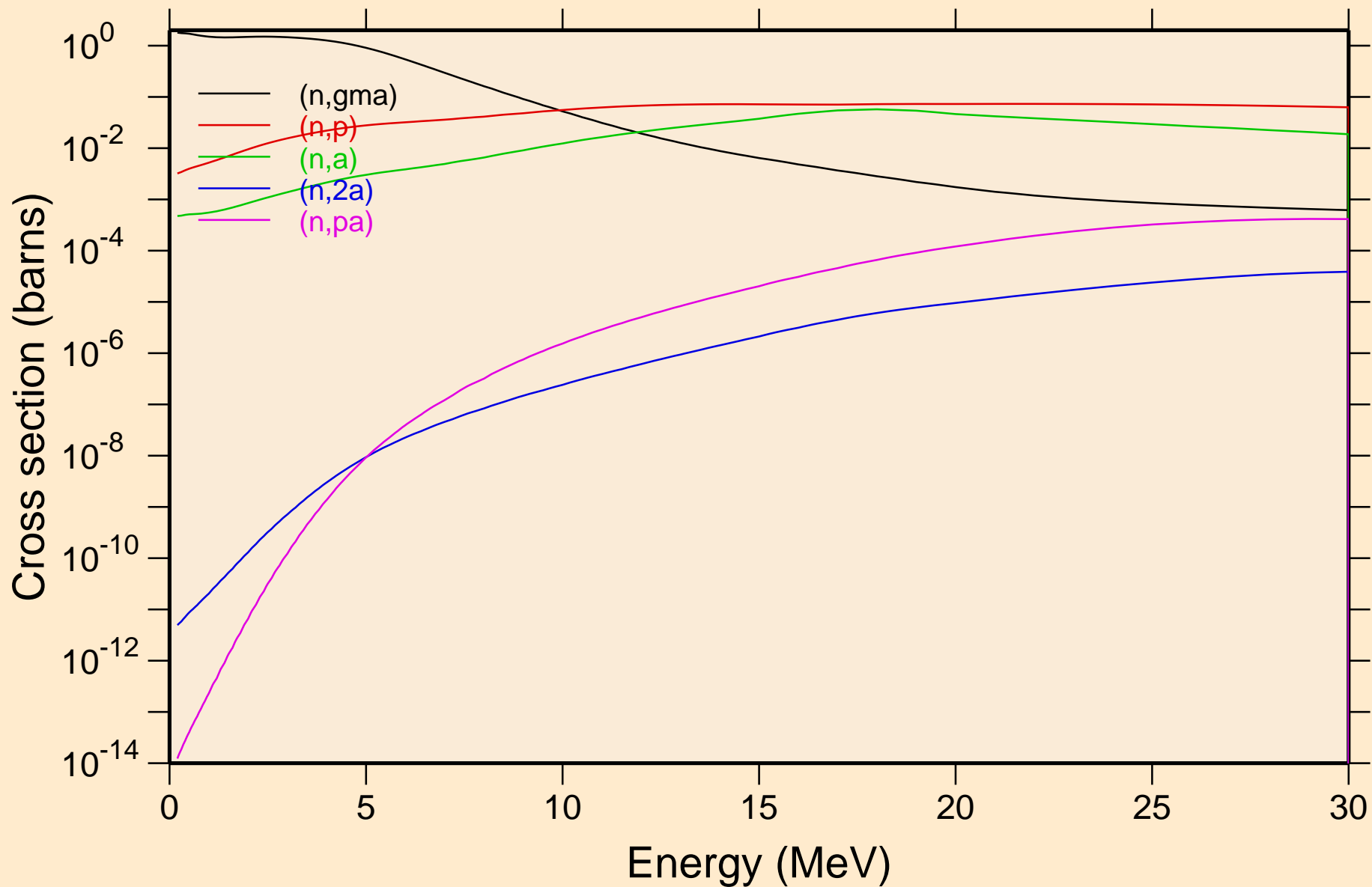


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

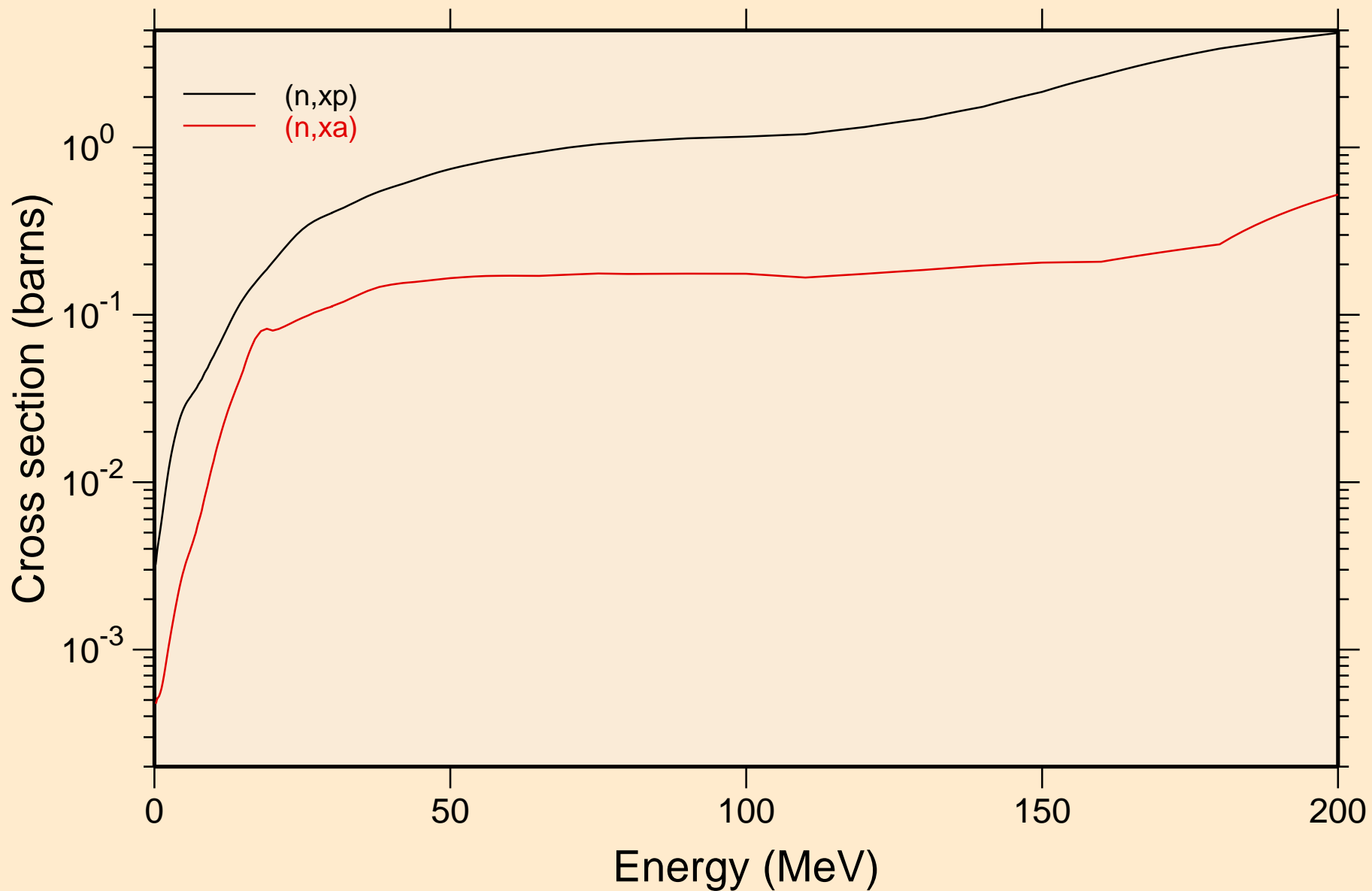


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

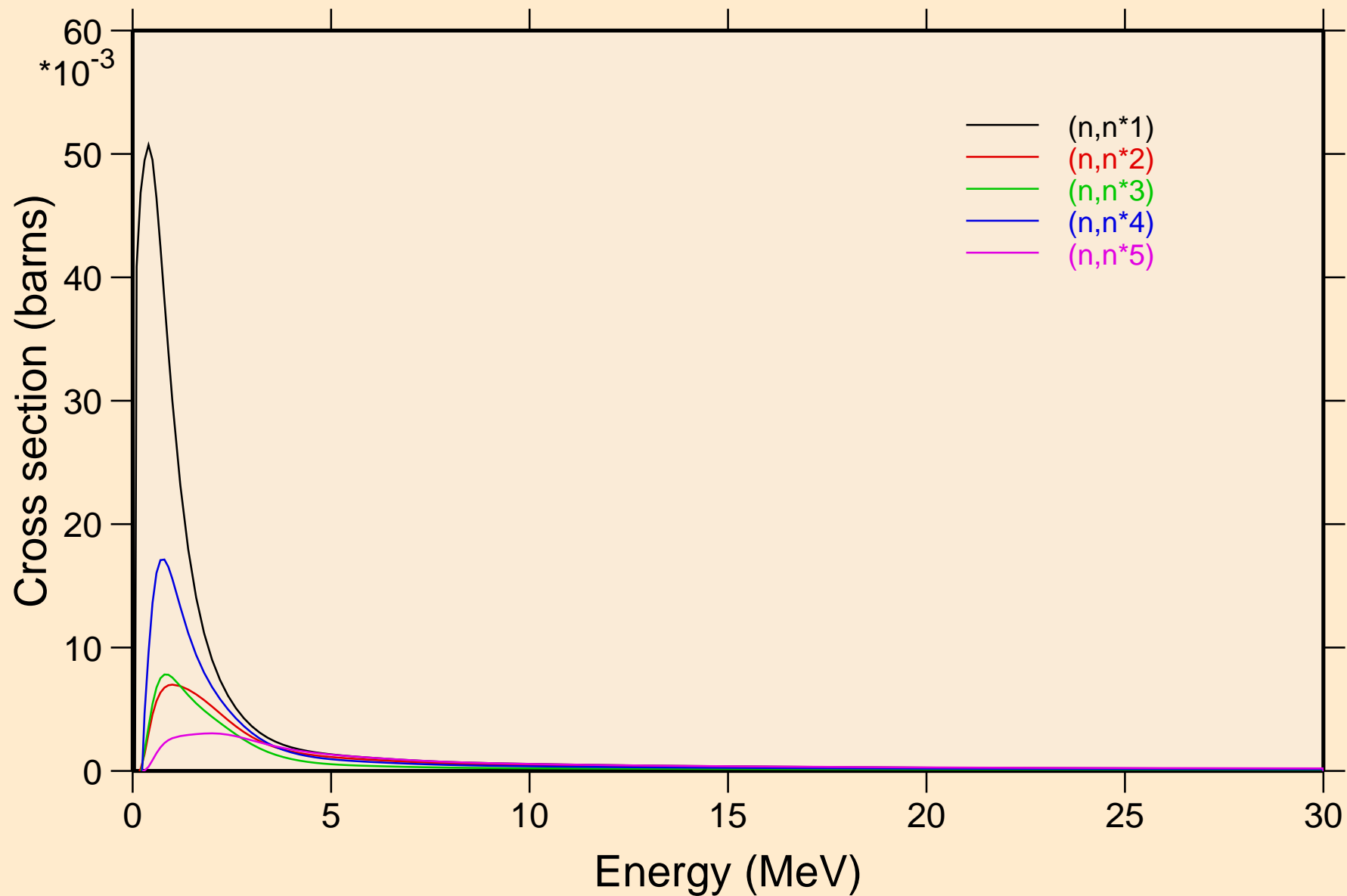
Non-threshold reactions



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

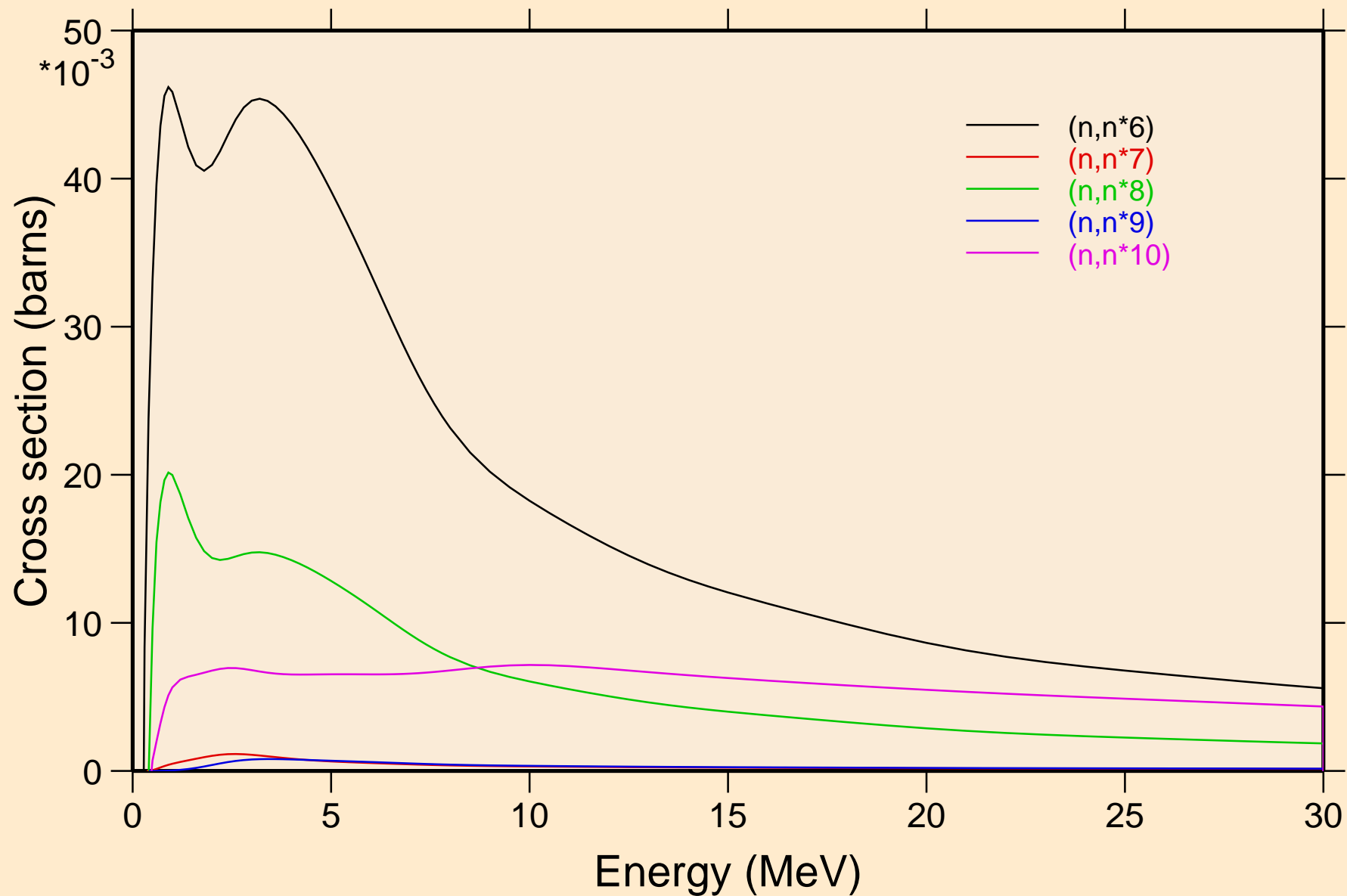


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



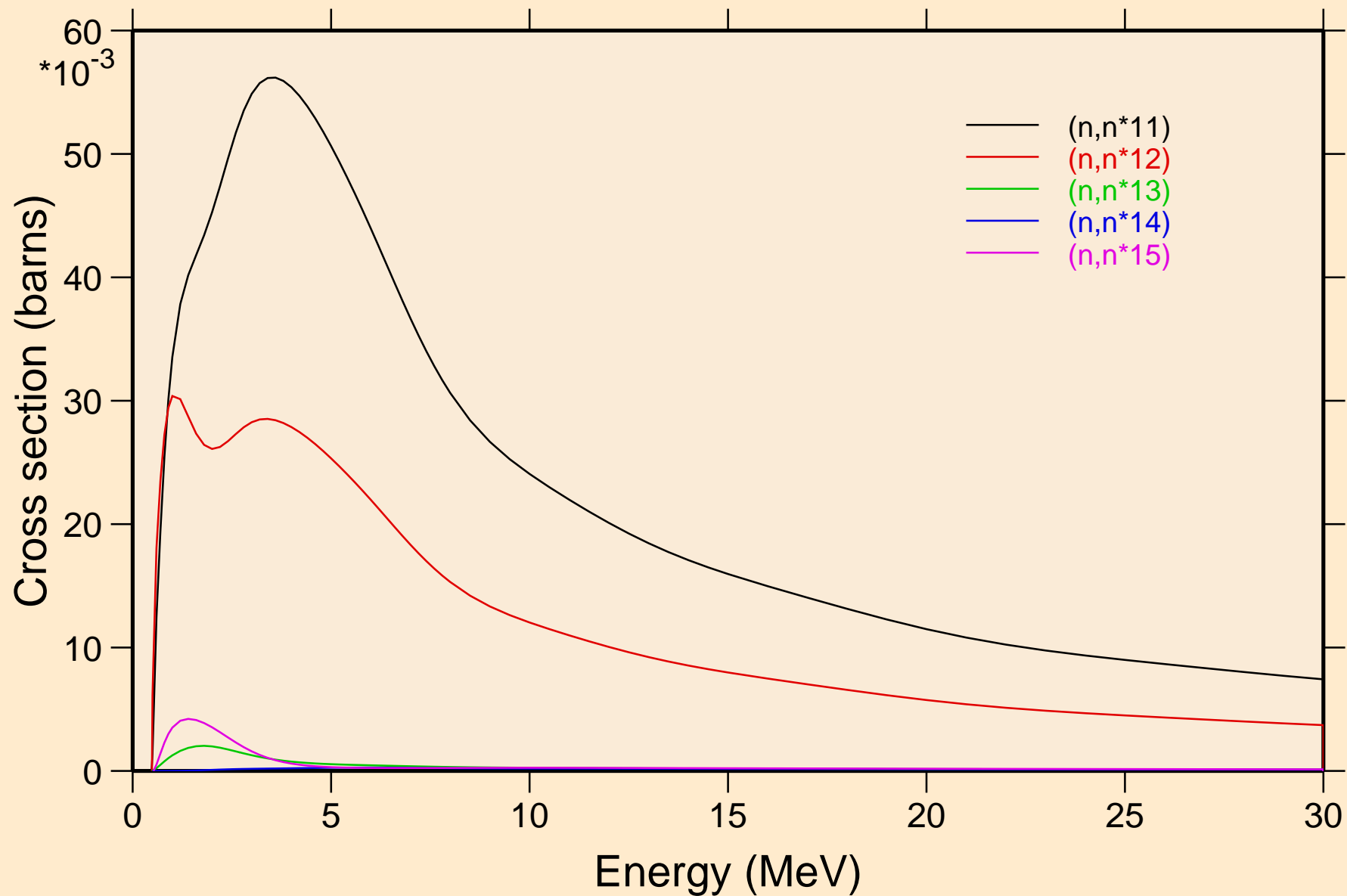
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Inelastic levels

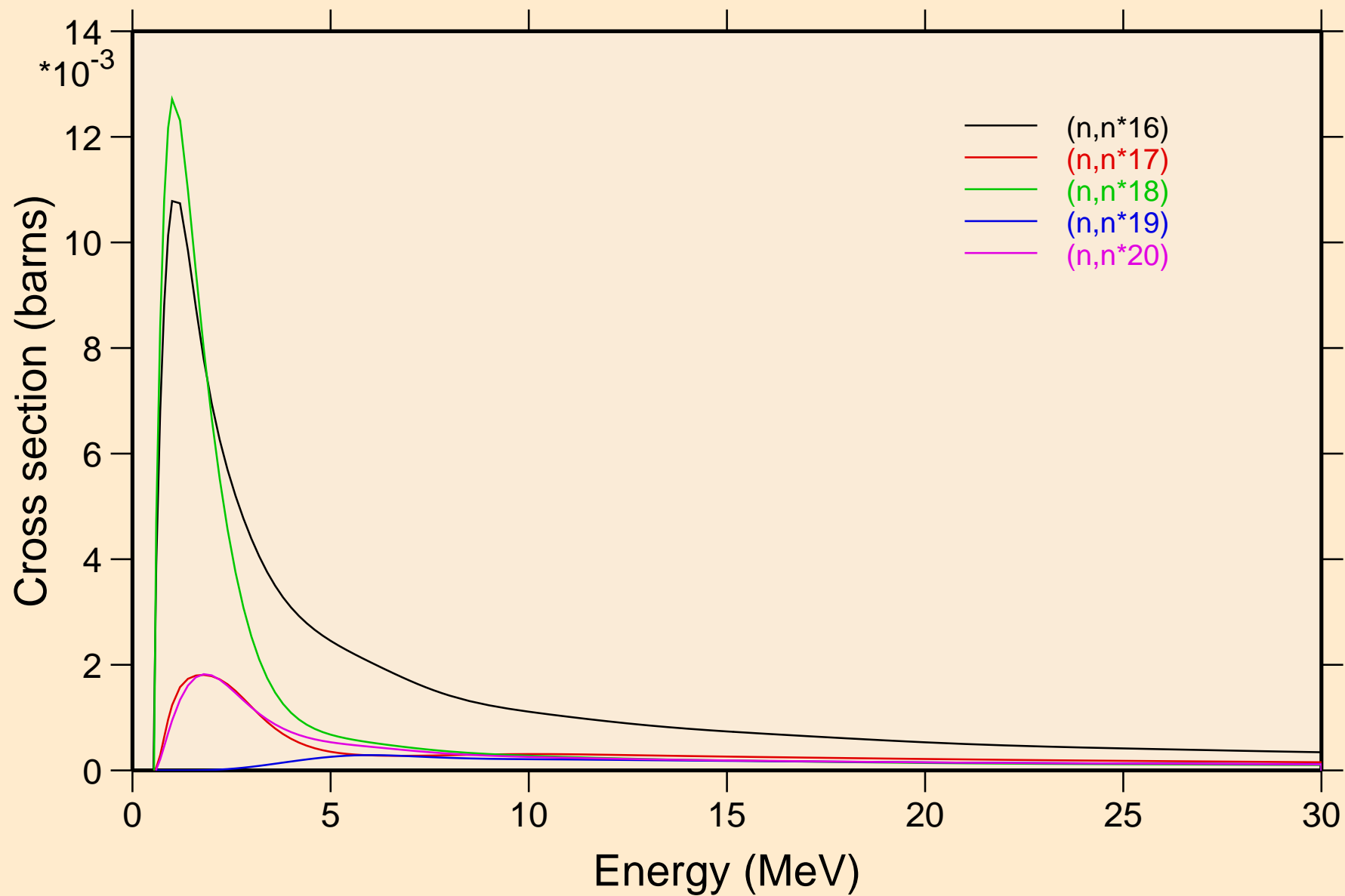


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

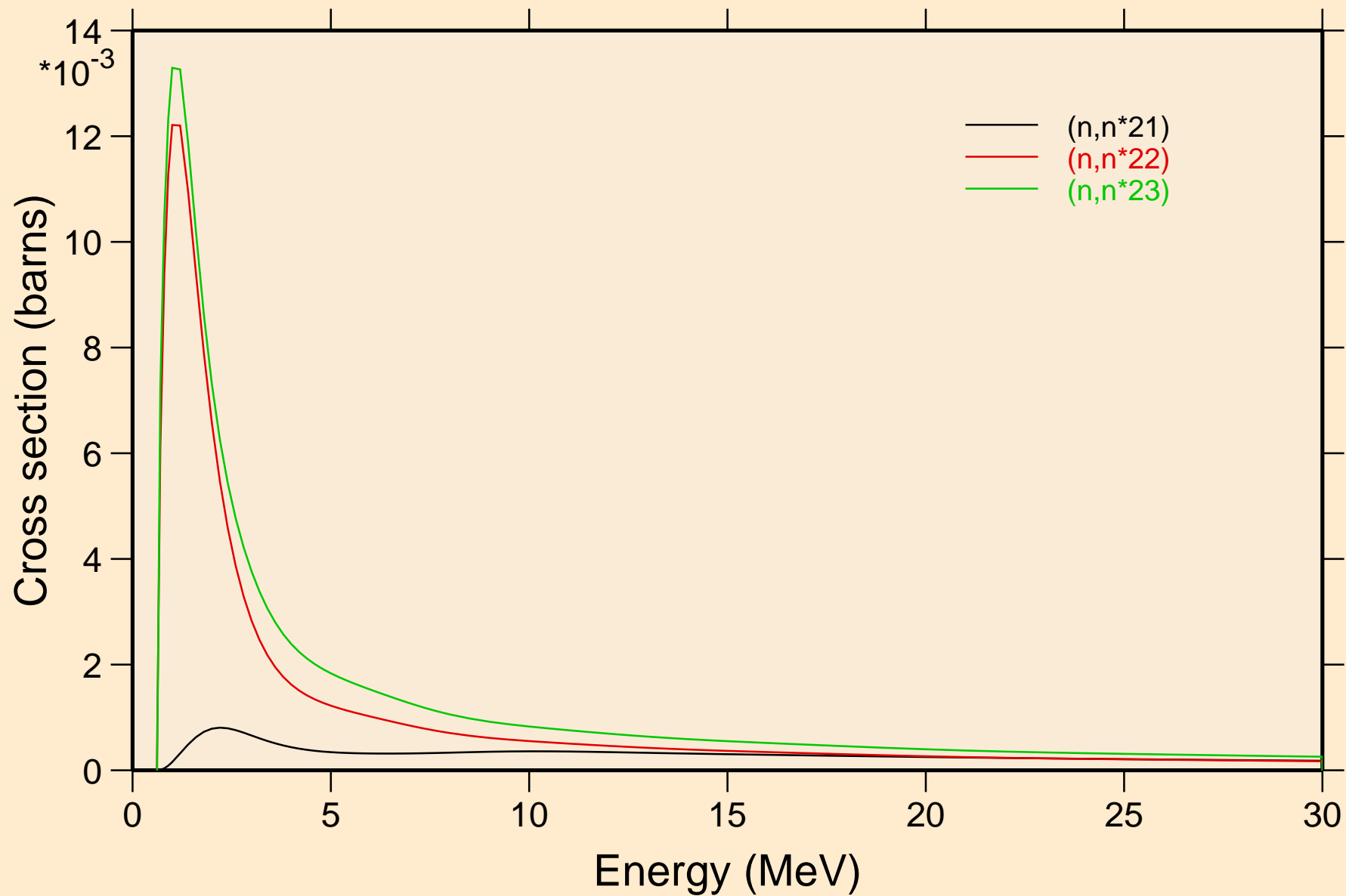
Inelastic levels



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

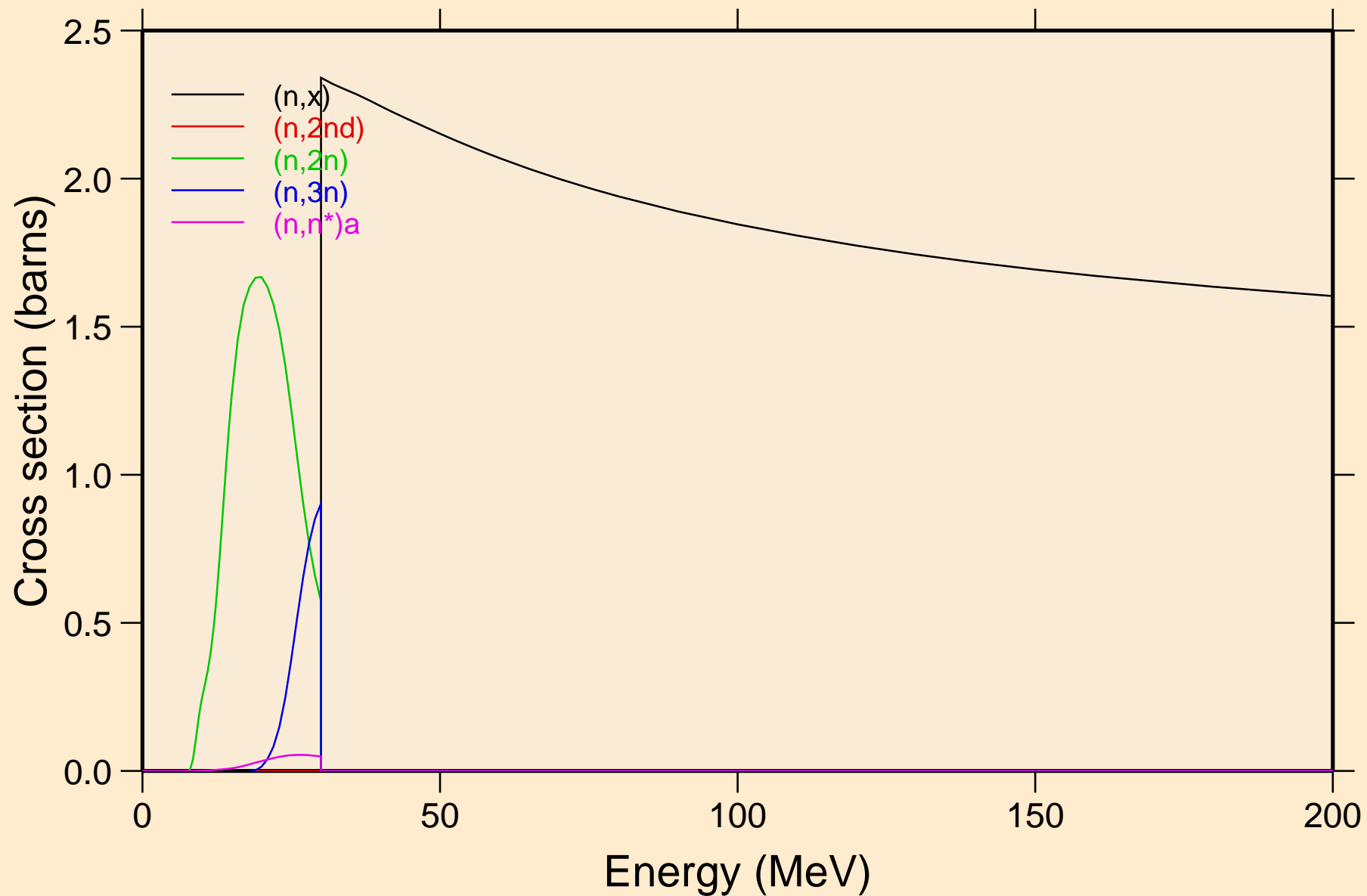


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



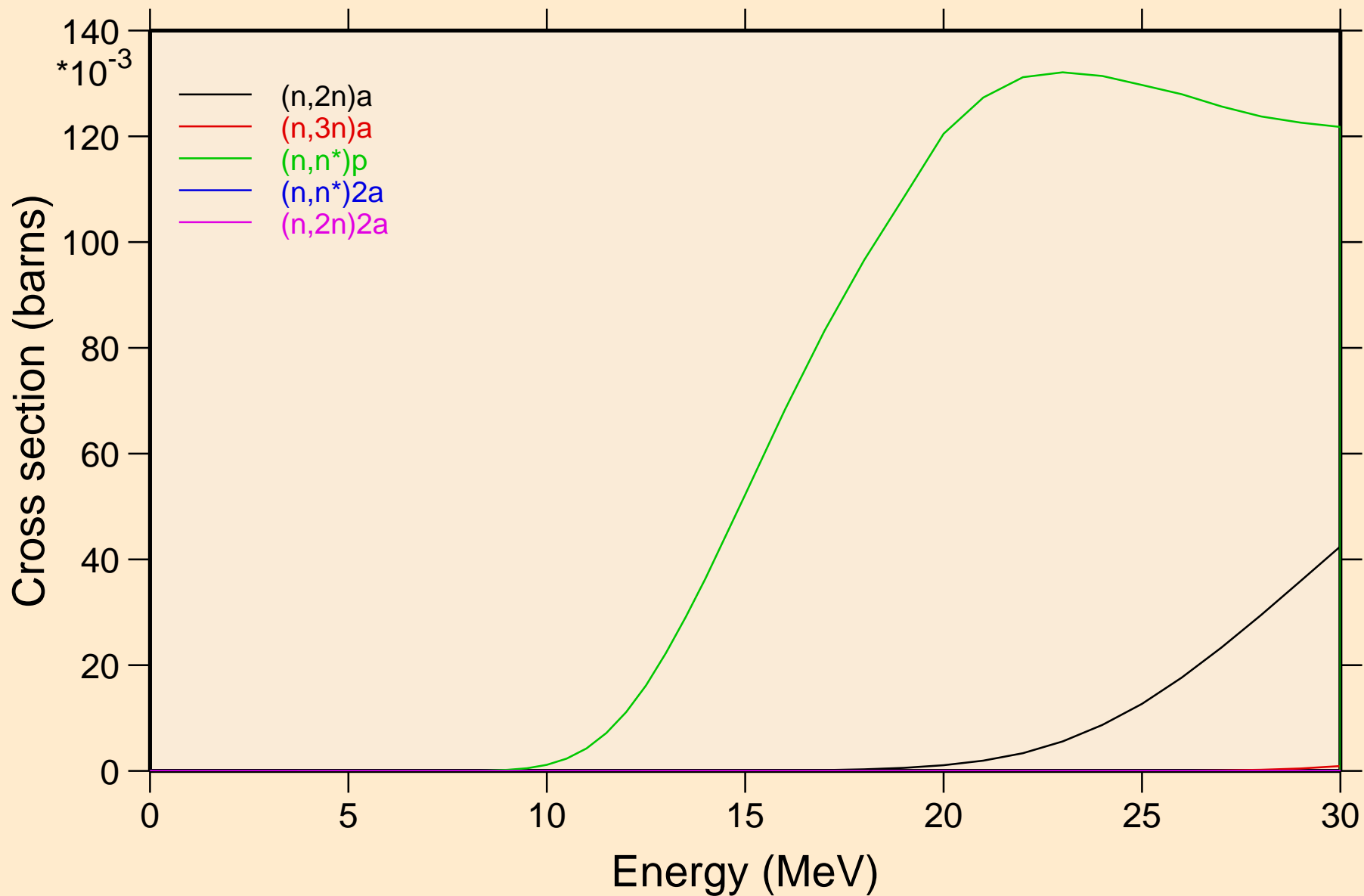
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



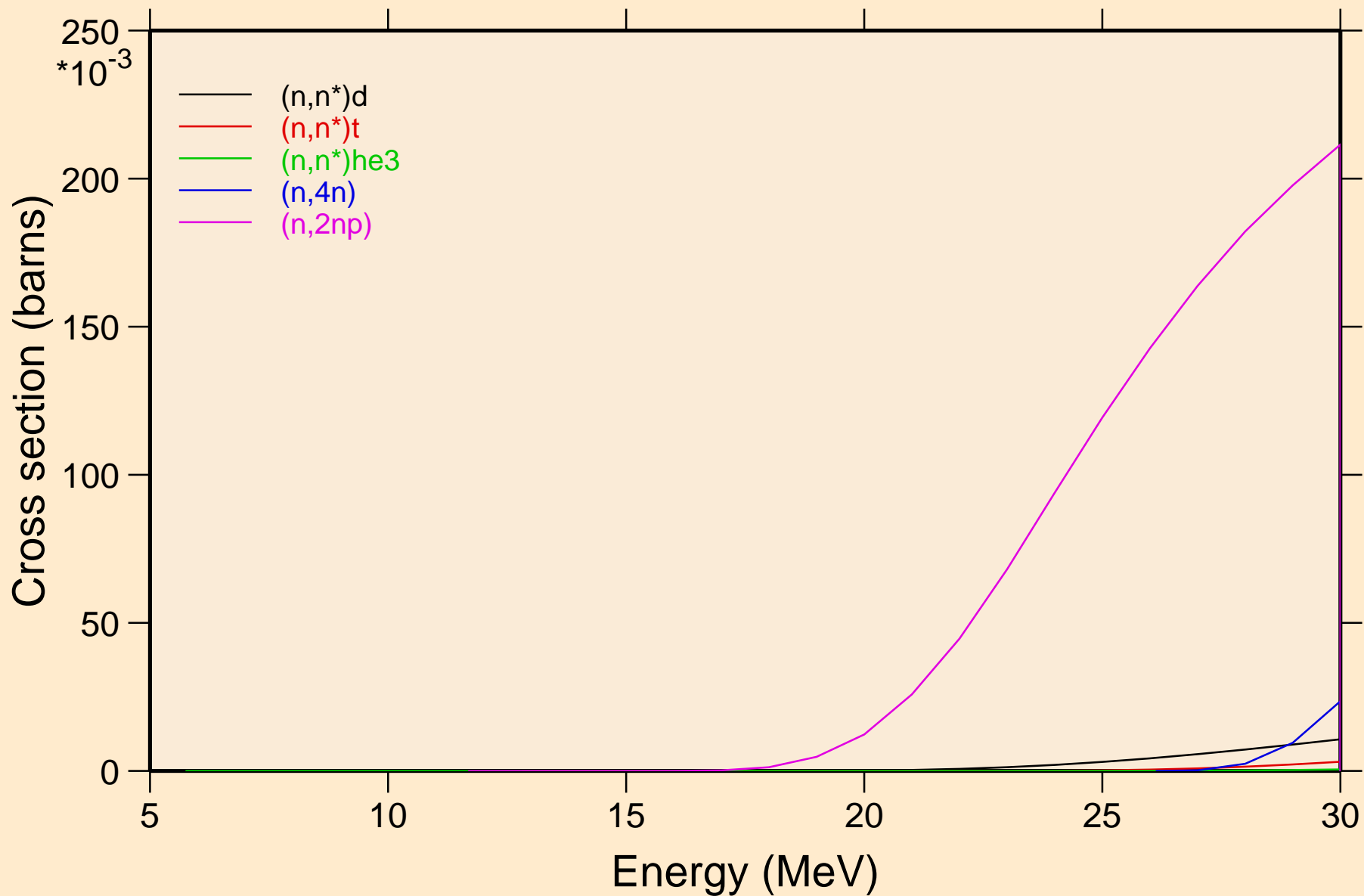
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



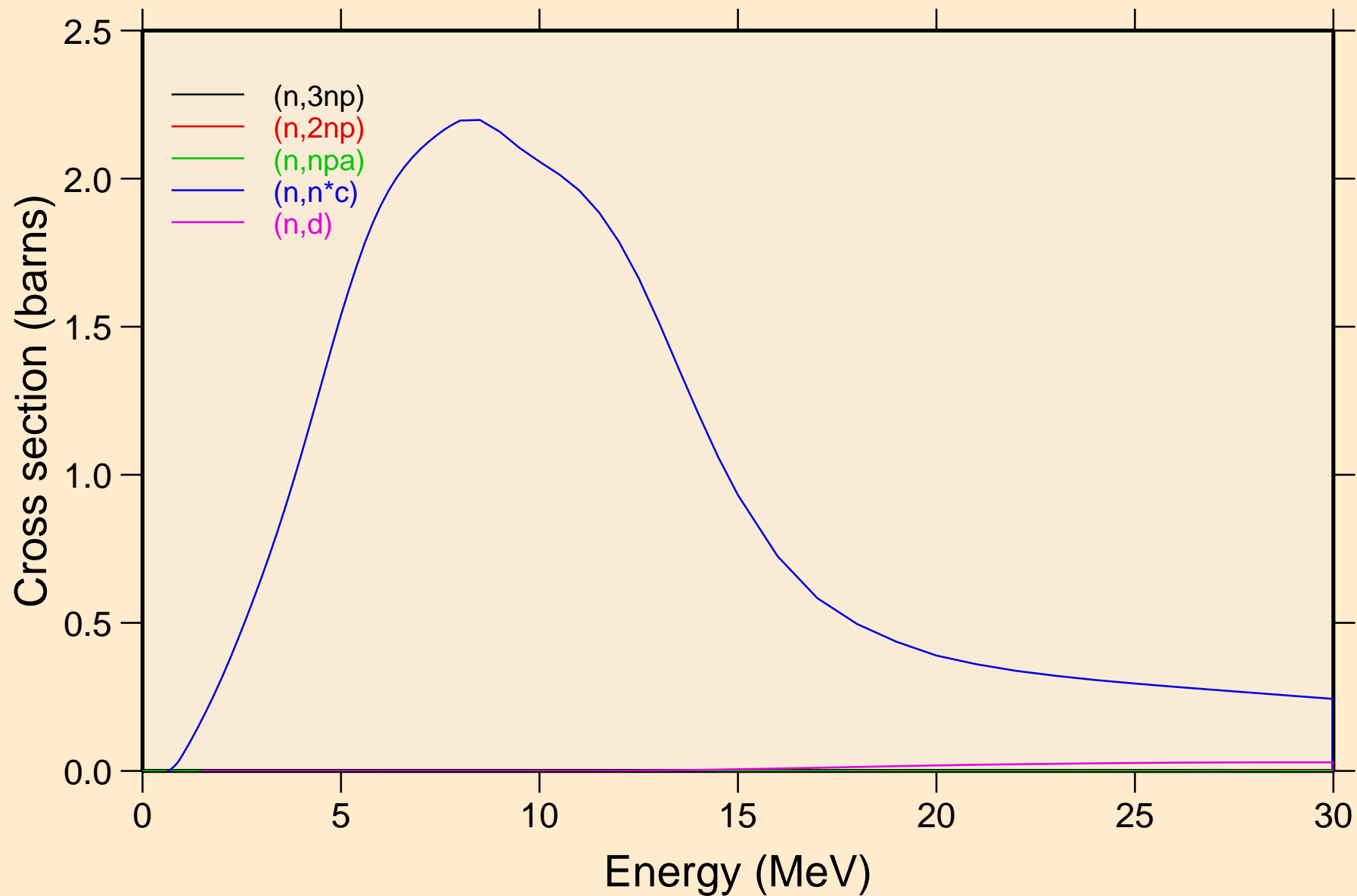
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions



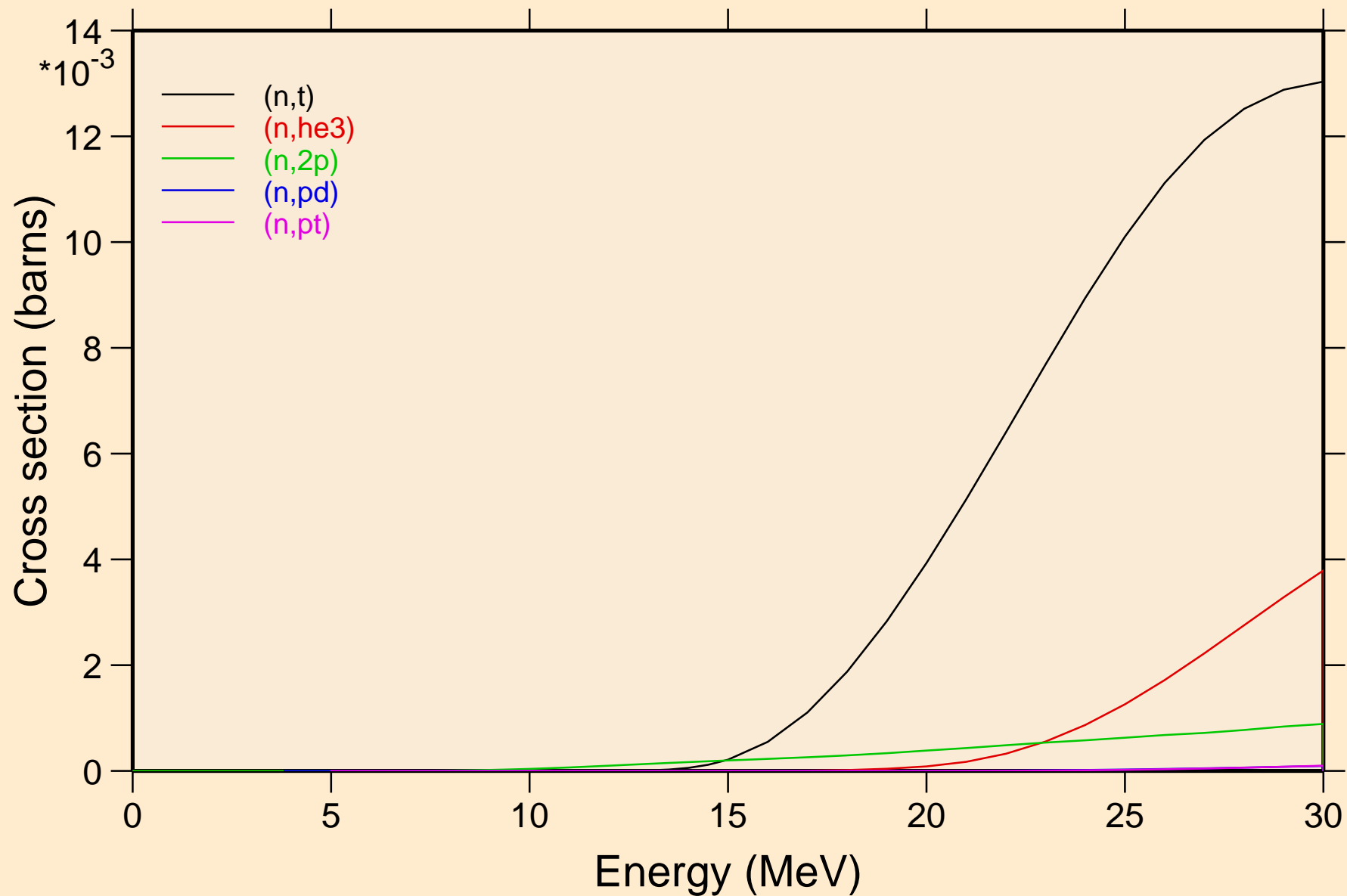
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

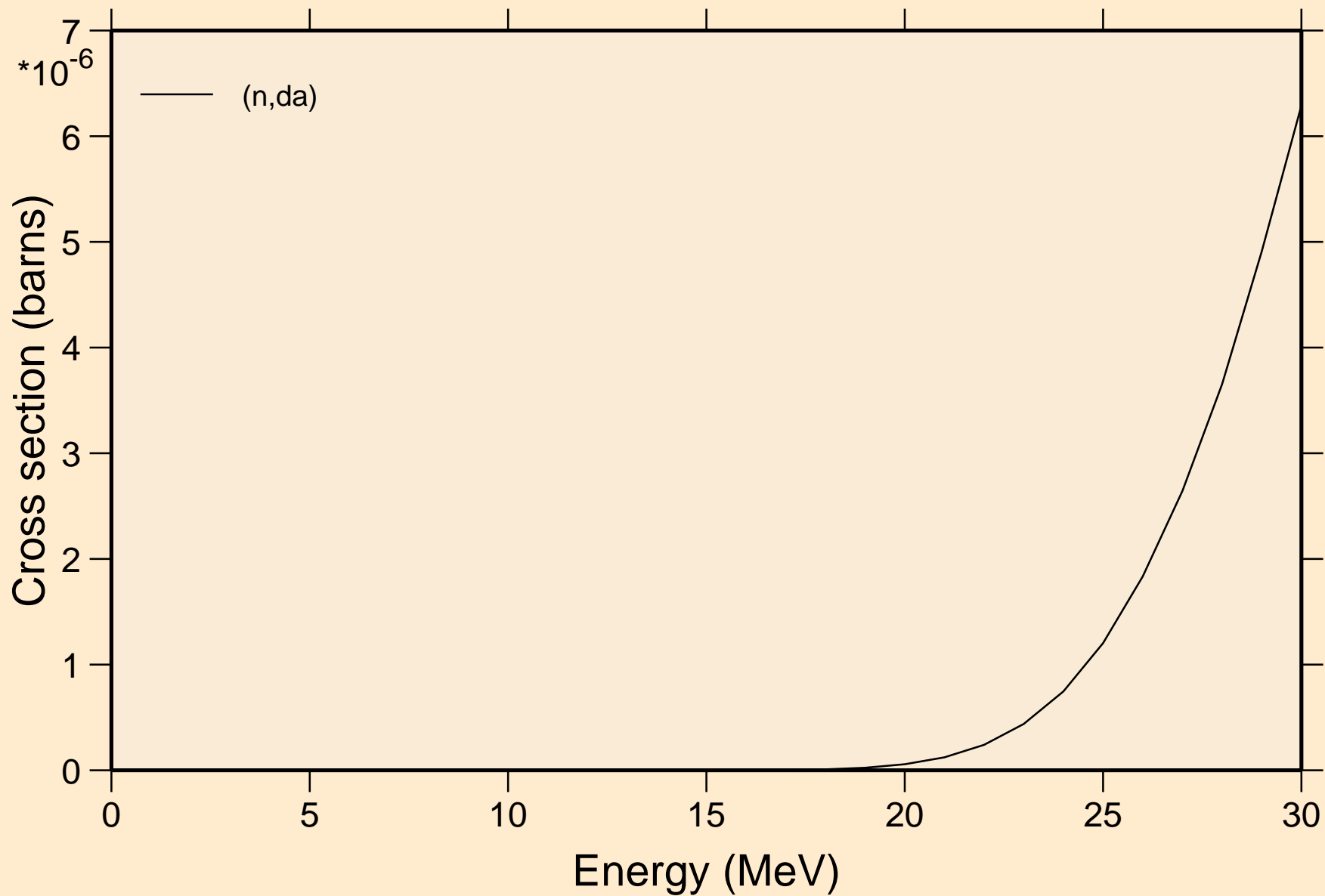


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

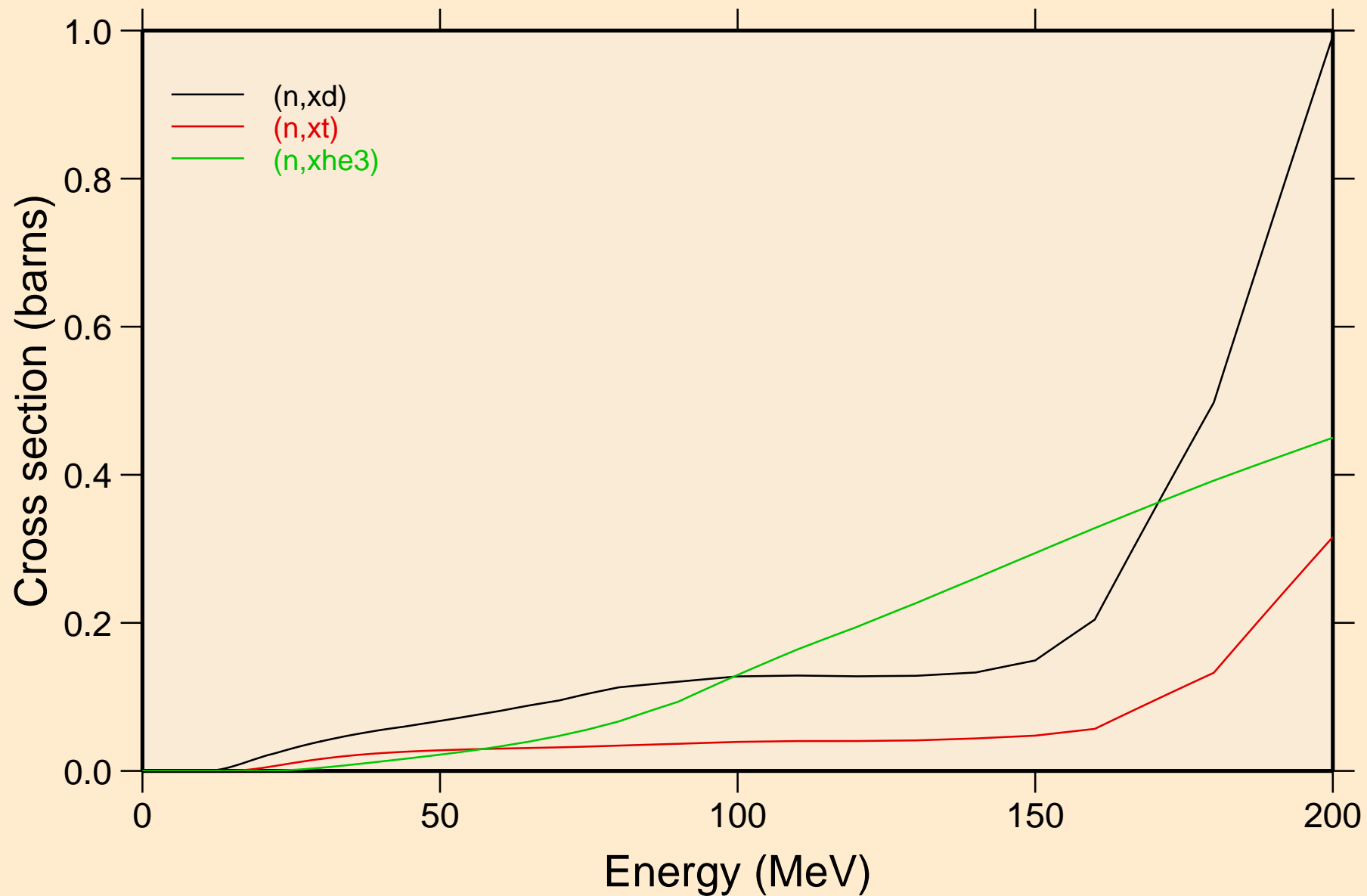


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

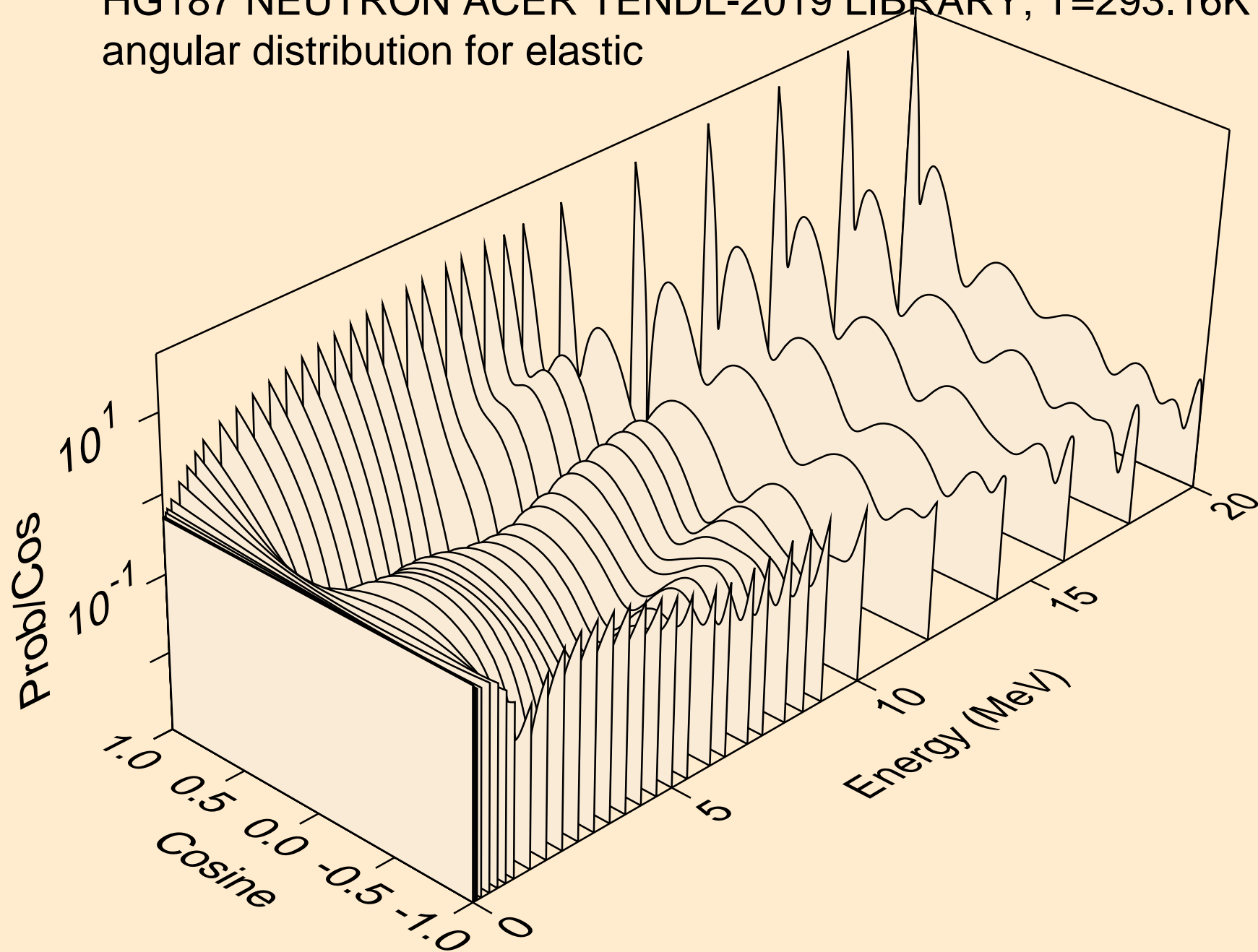


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

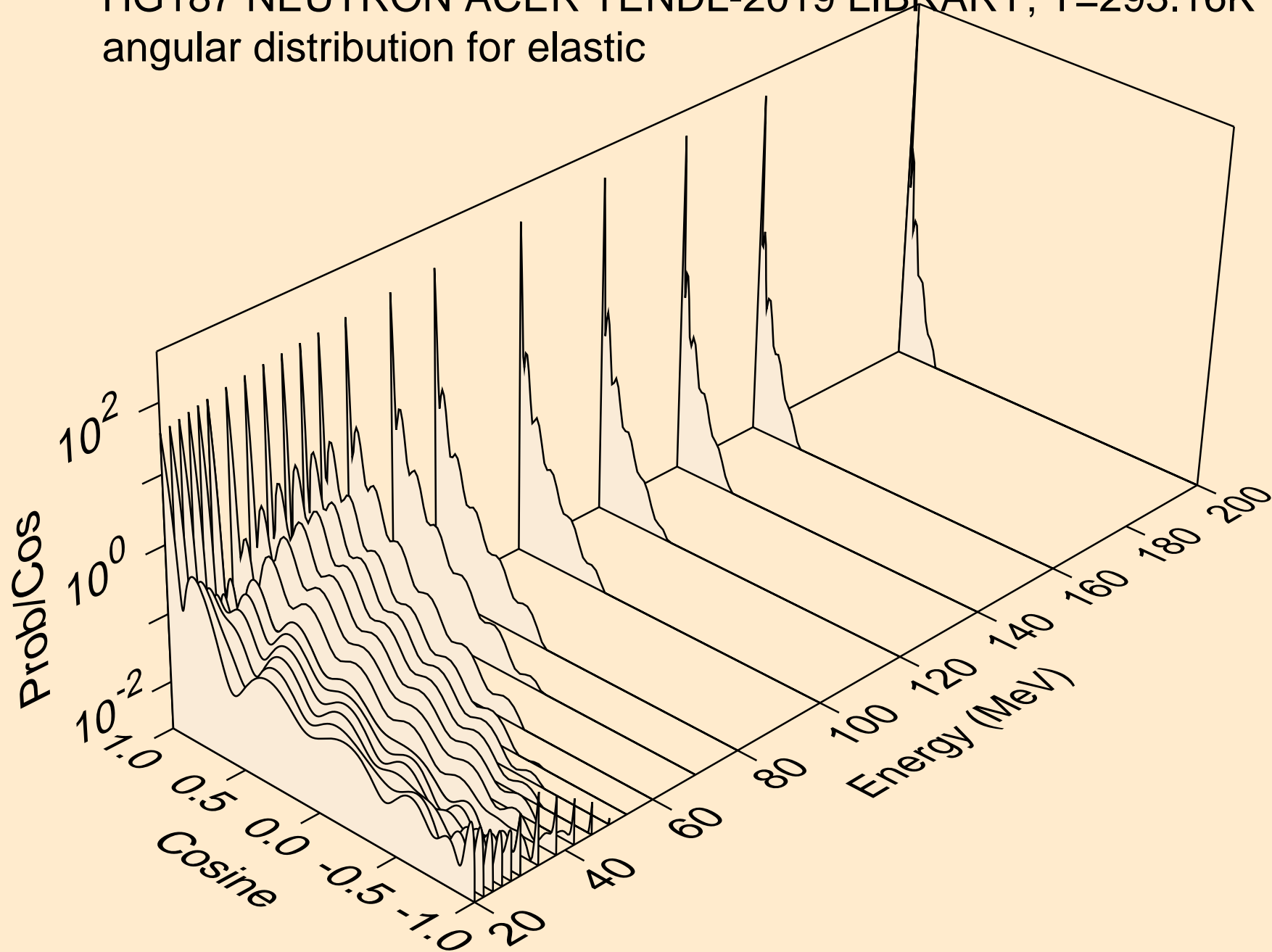
Threshold reactions



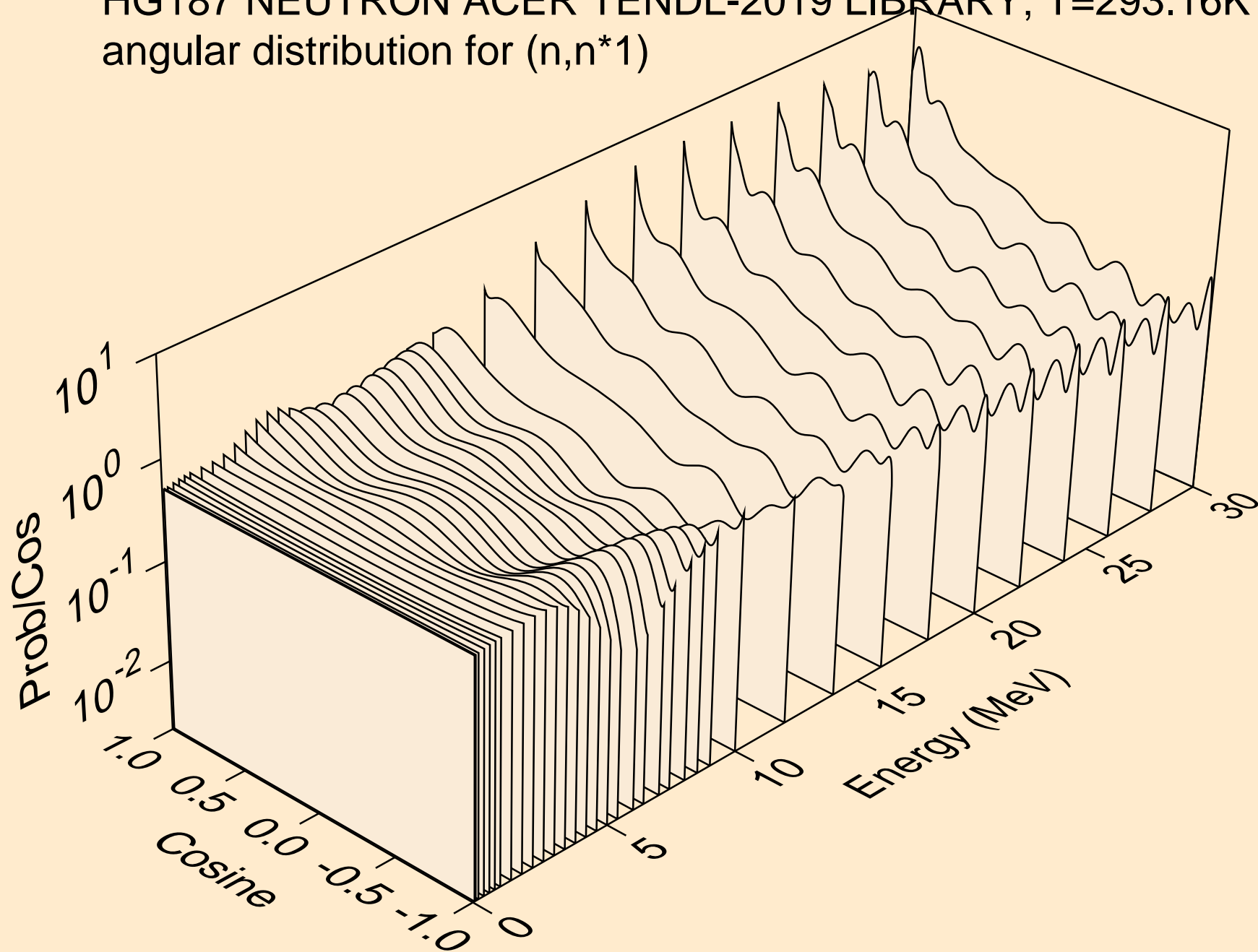
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



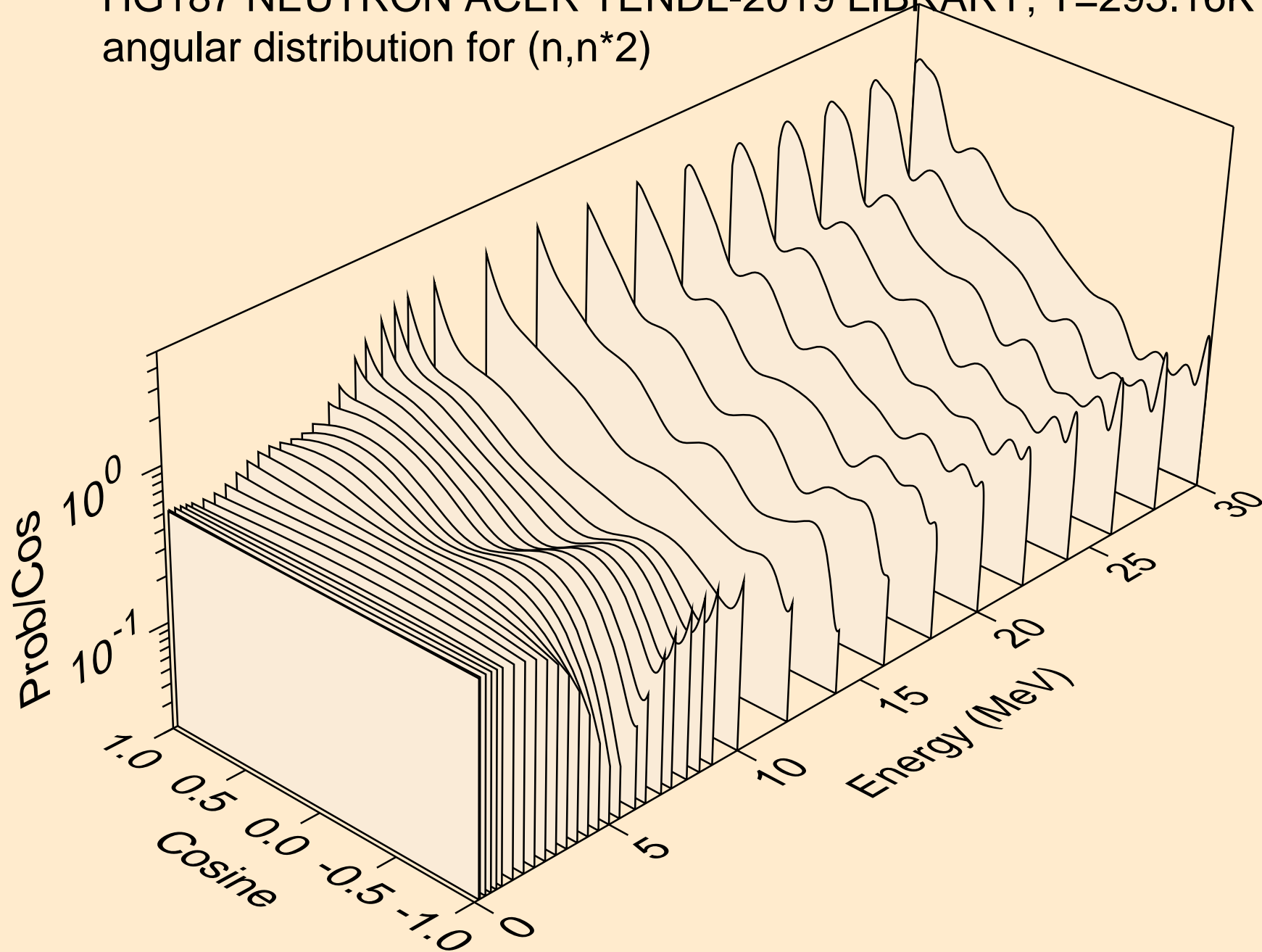
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



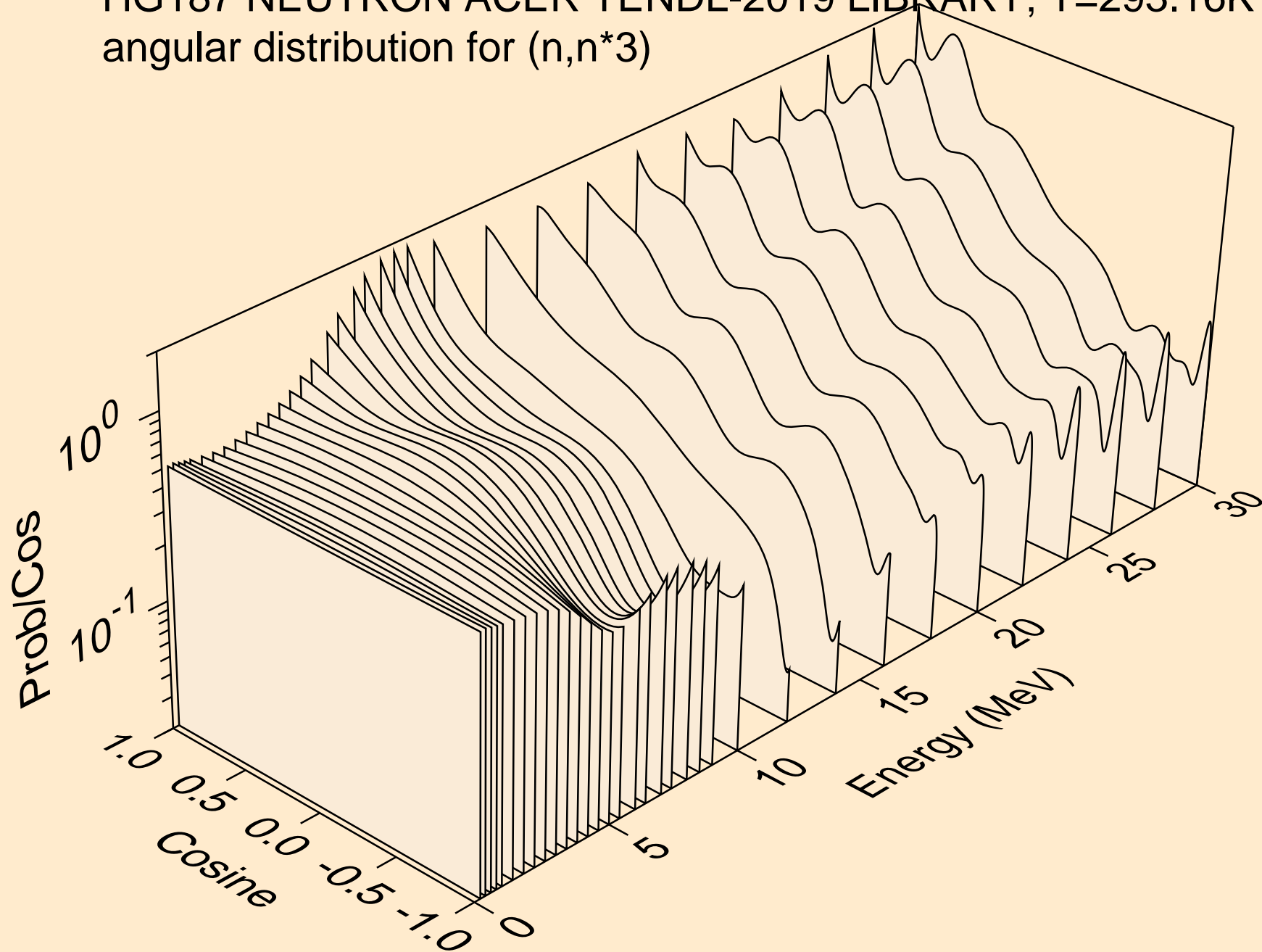
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



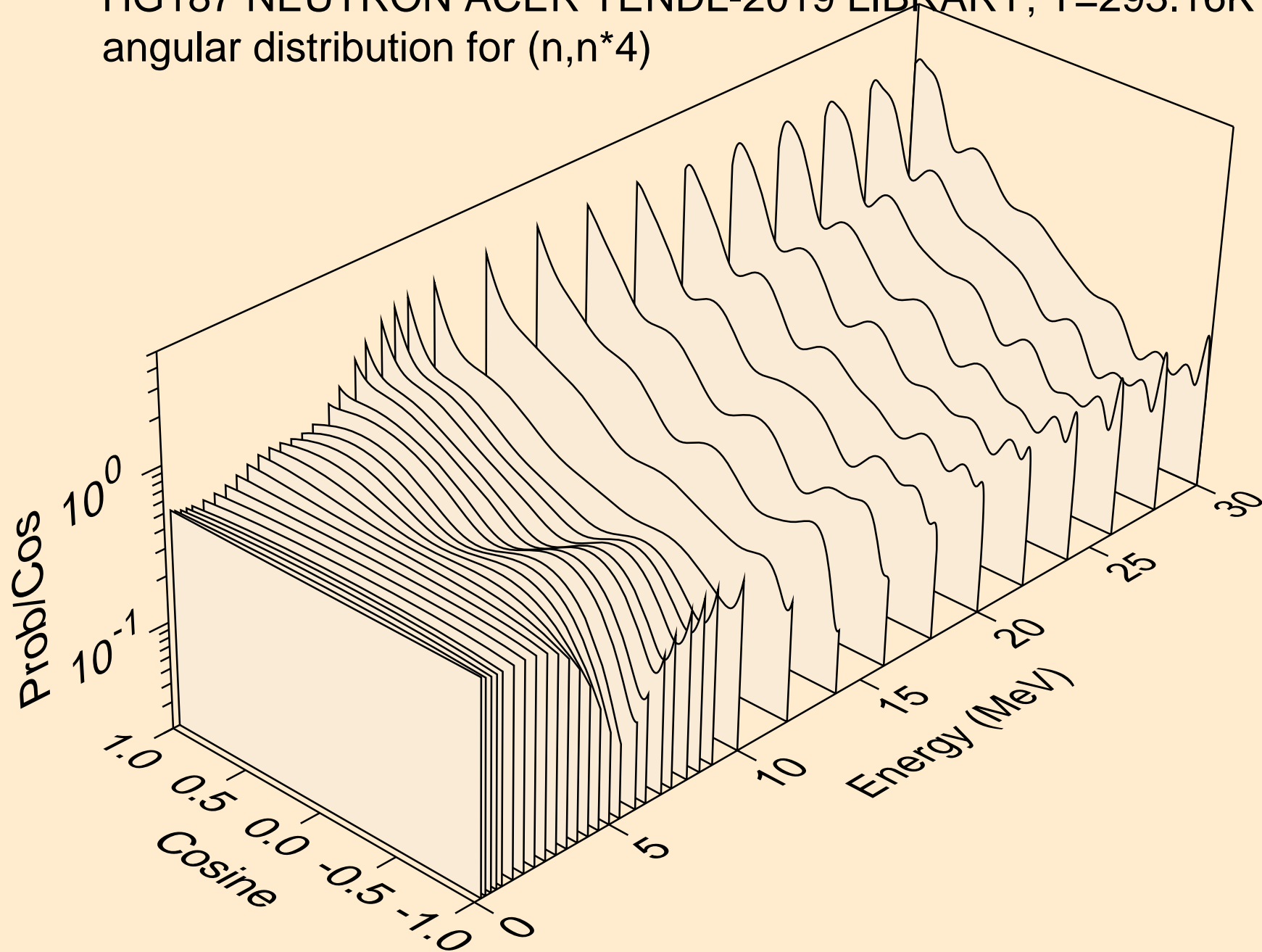
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angular distribution for (n,n*2)



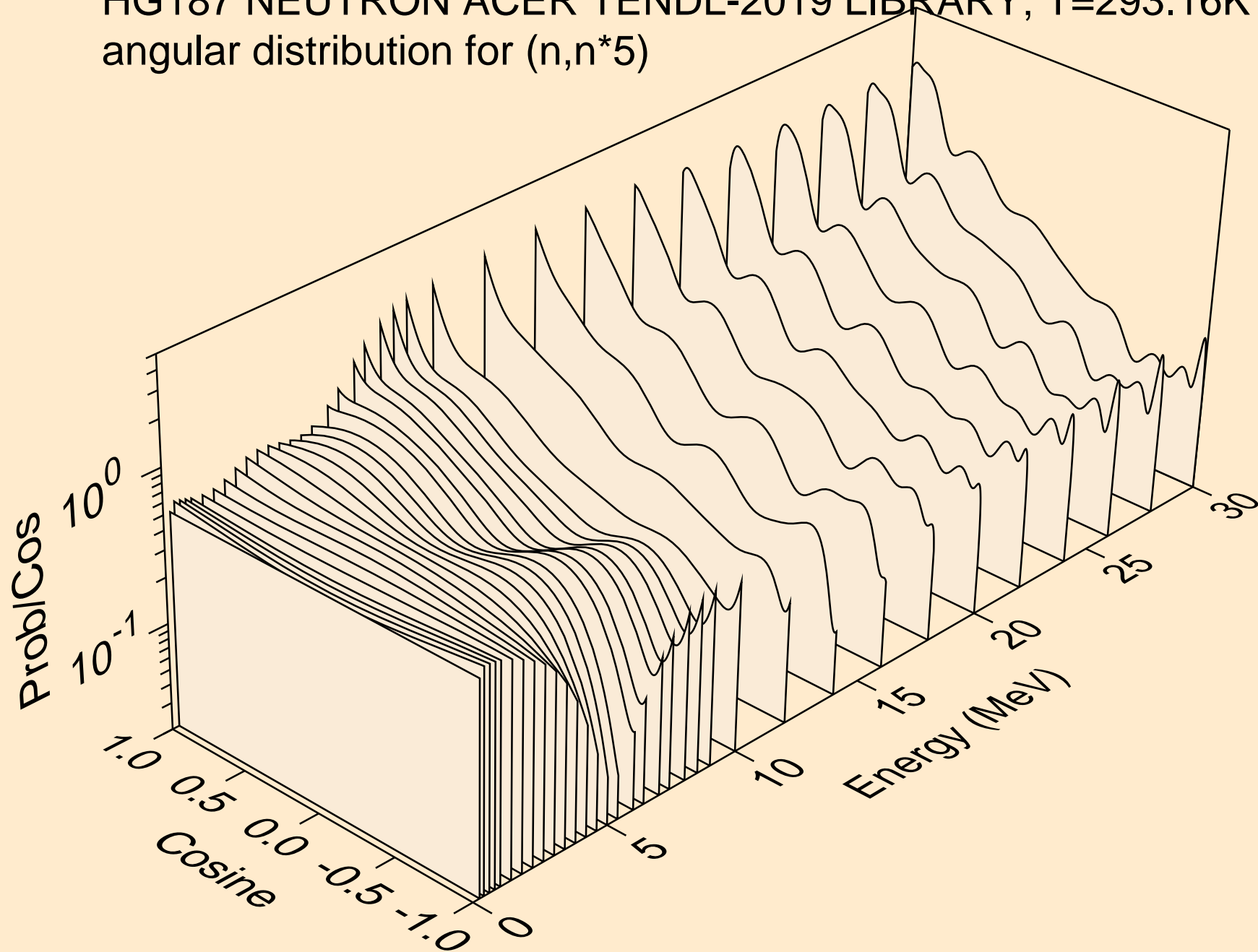
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



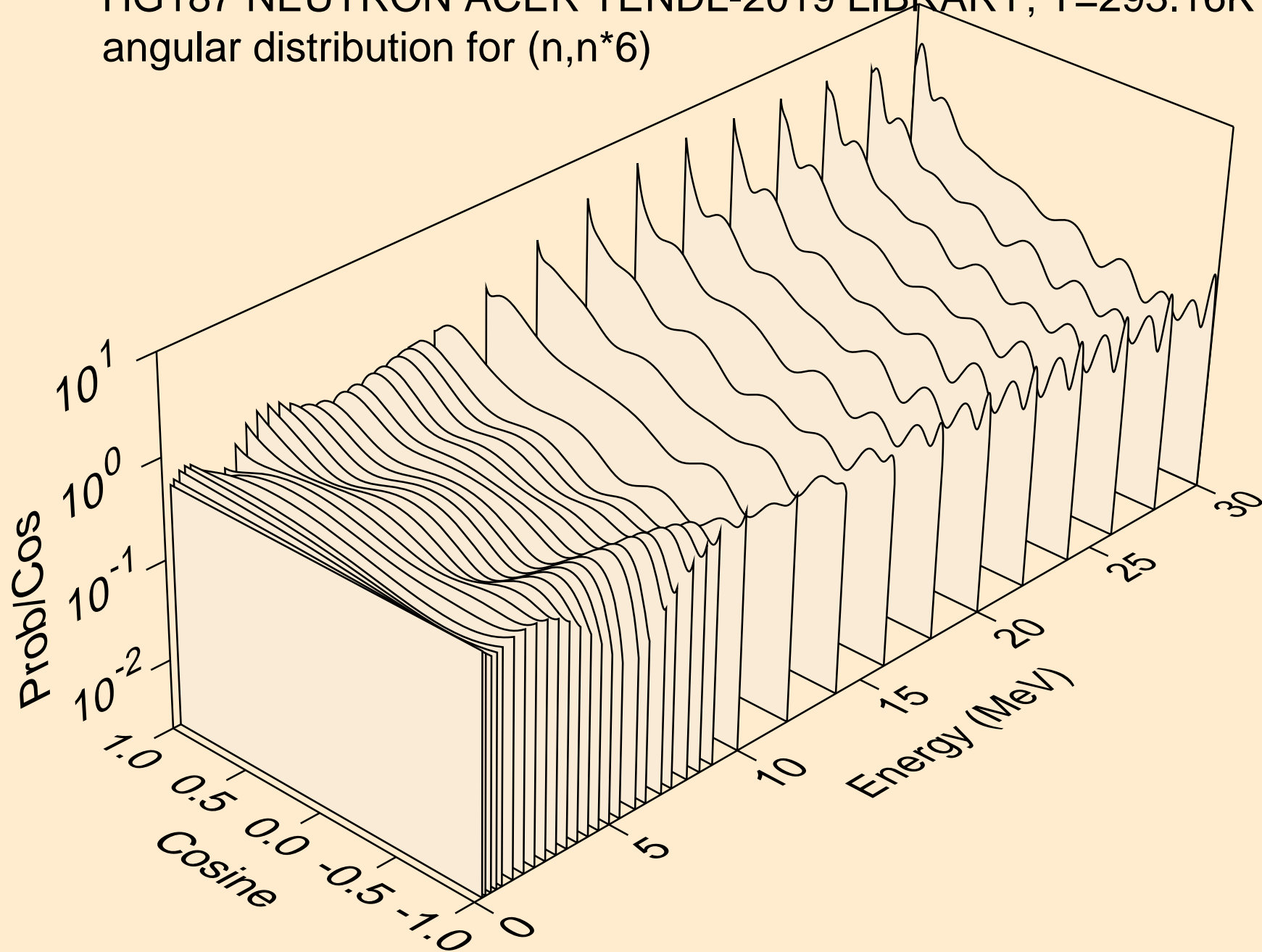
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angular distribution for (n,n*4)



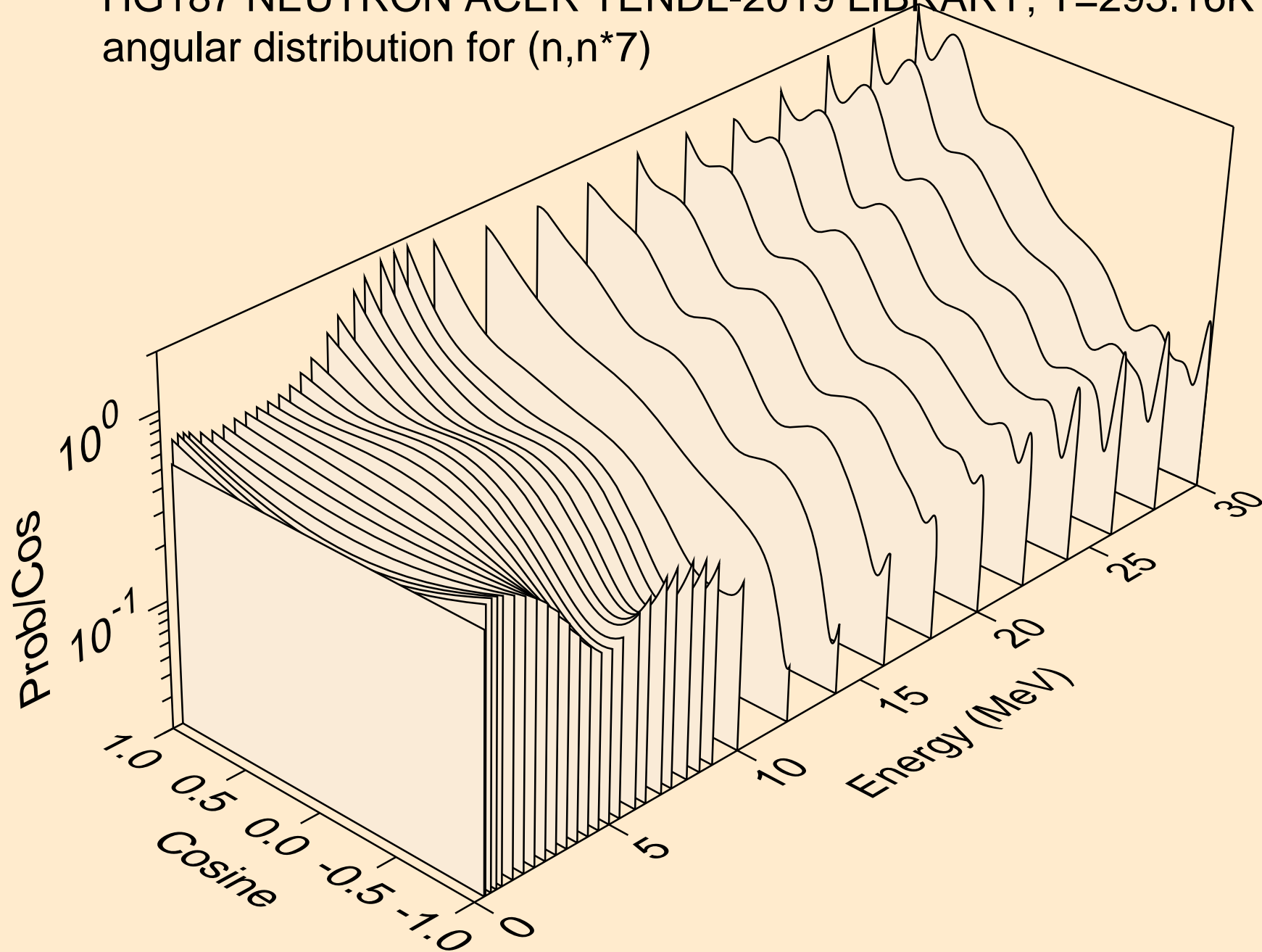
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angular distribution for (n,n*5)



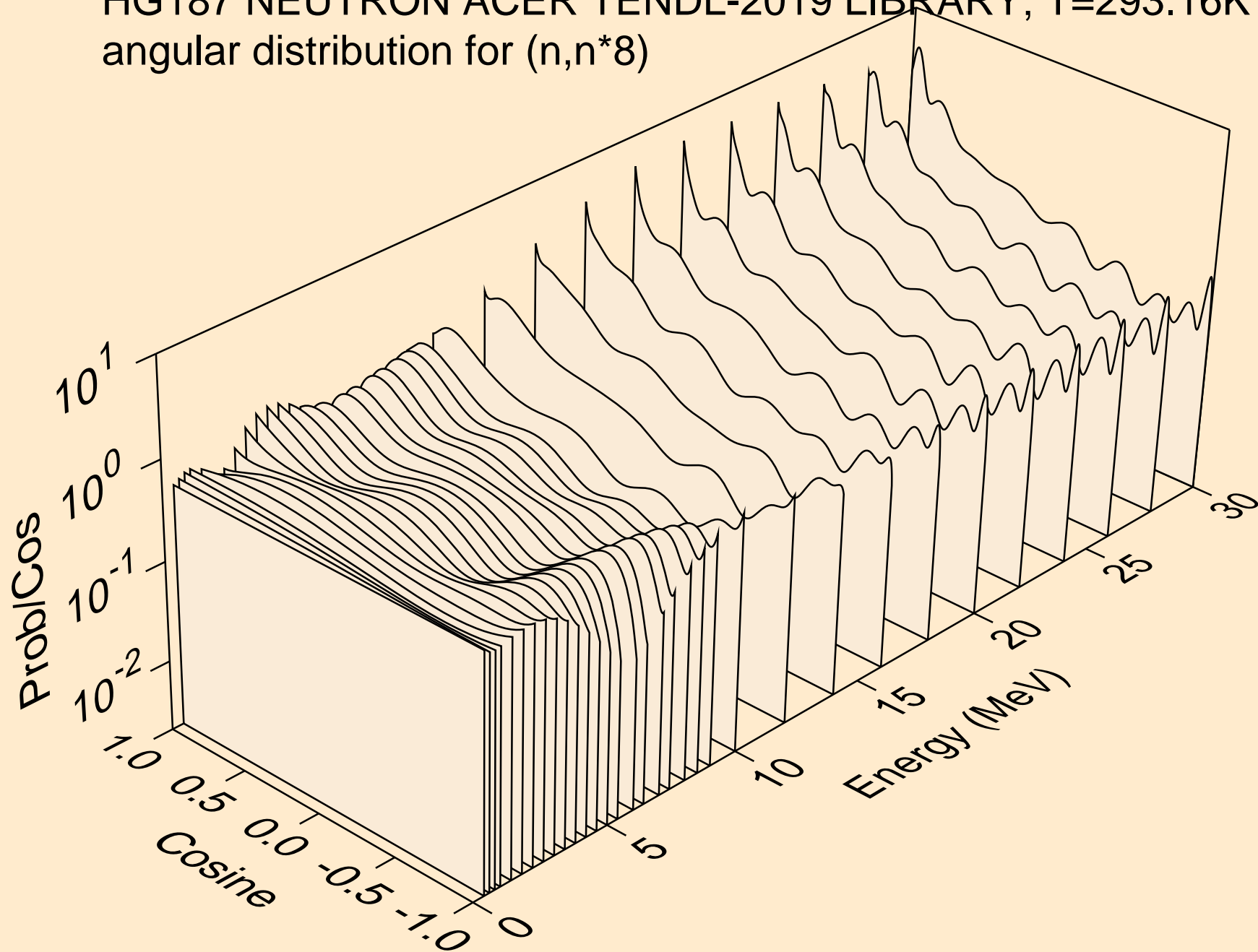
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angular distribution for (n,n*6)



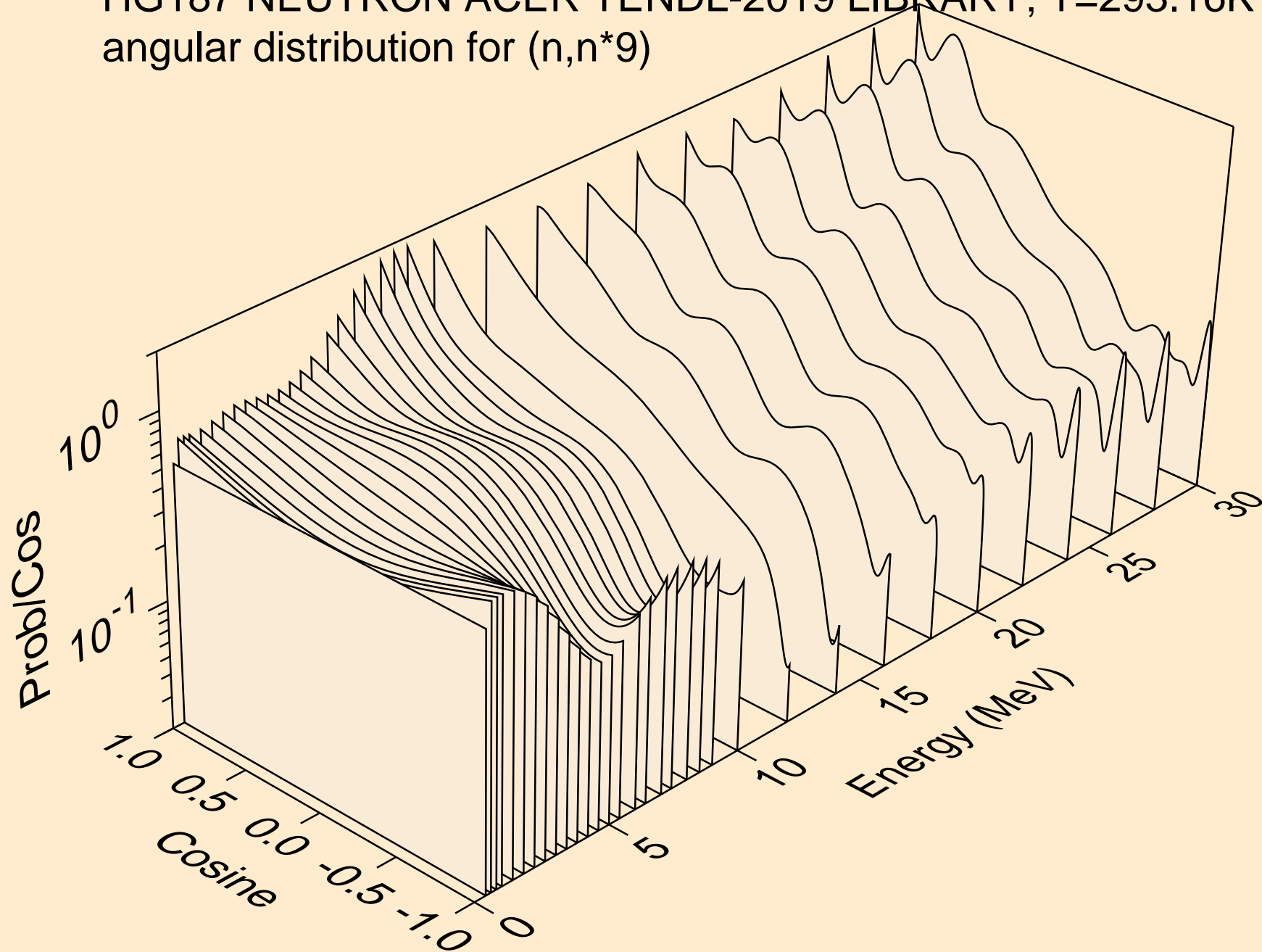
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angular distribution for (n,n*7)



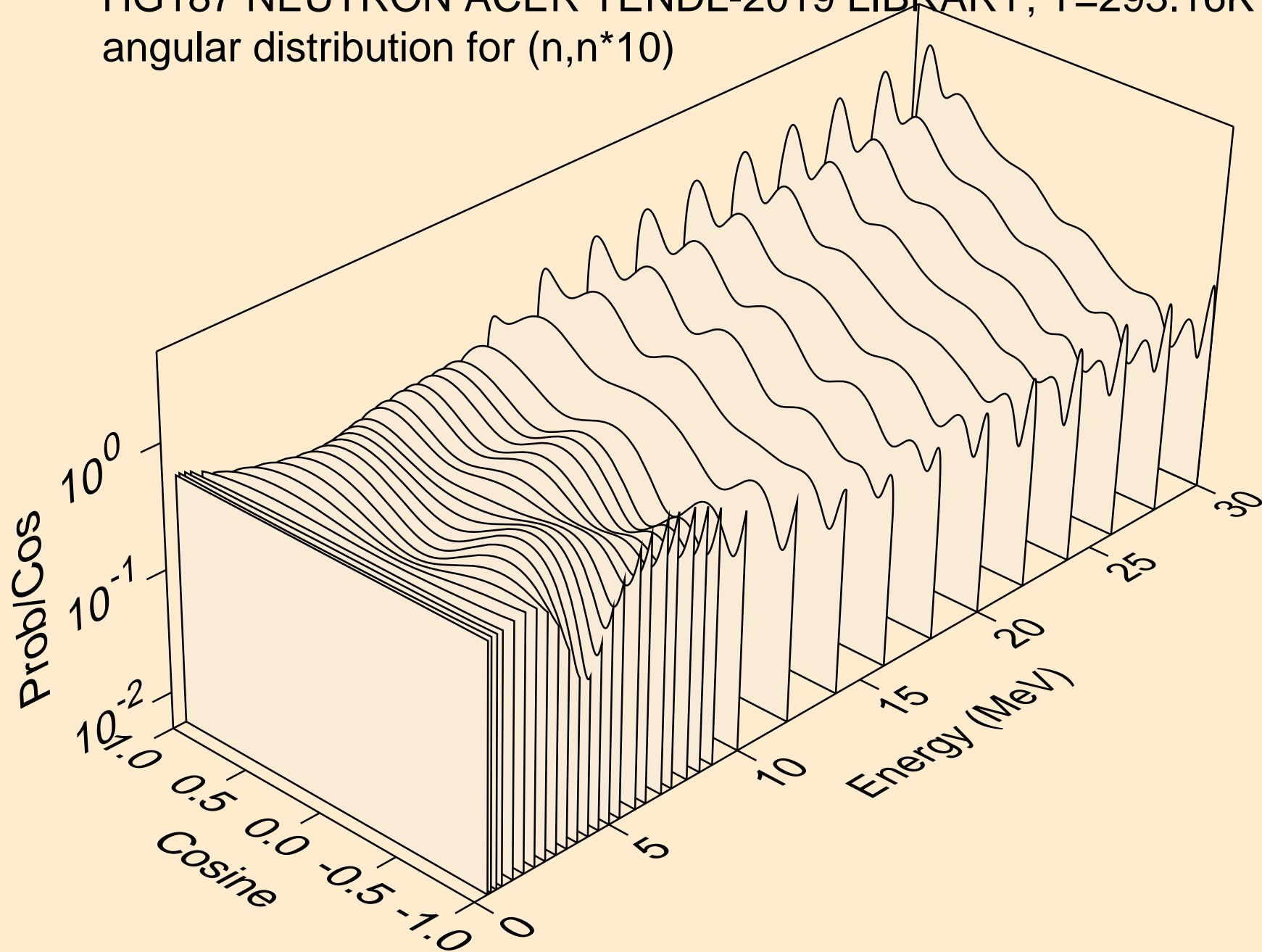
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angular distribution for (n,n*8)



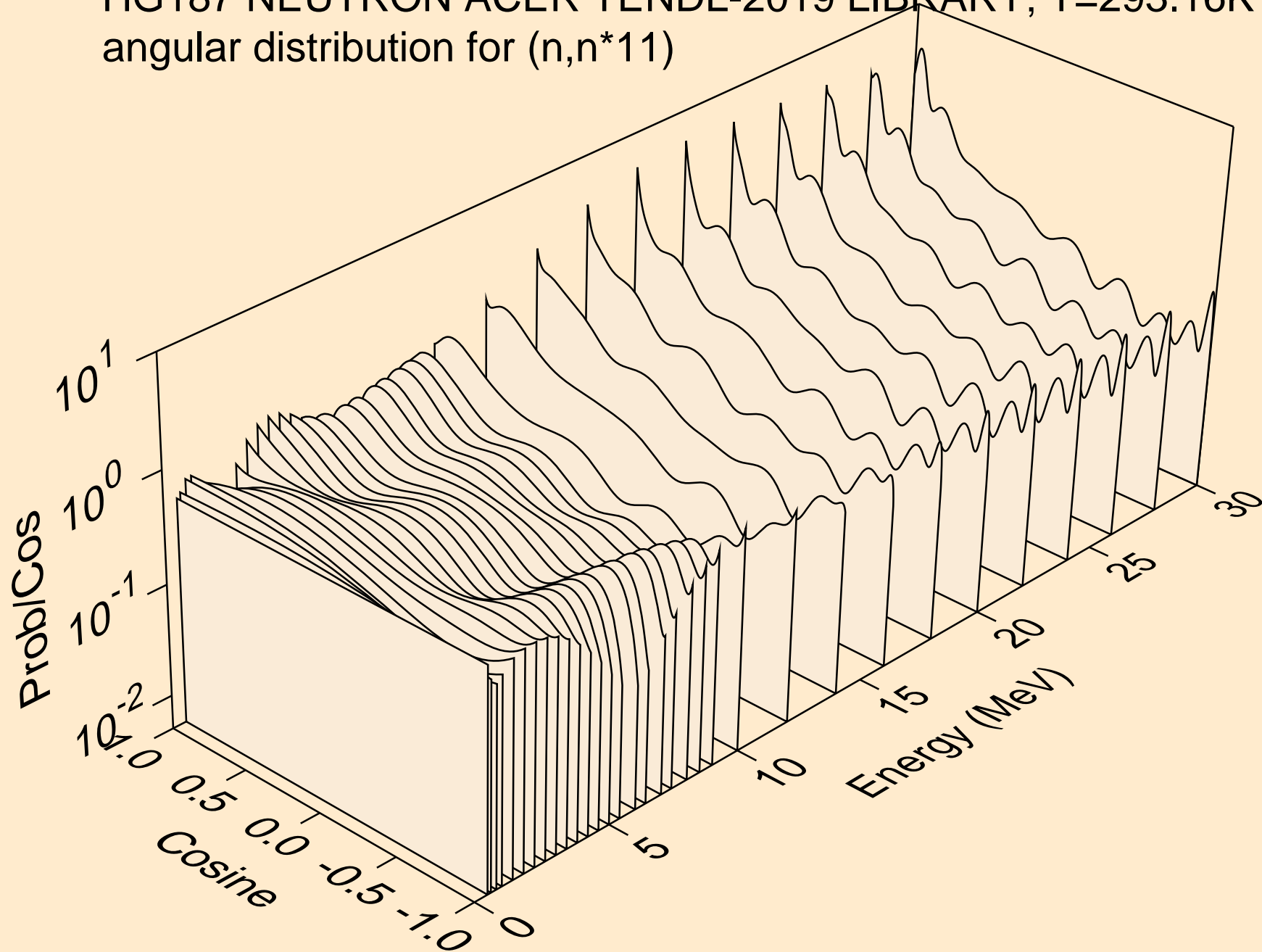
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angular distribution for (n,n*9)



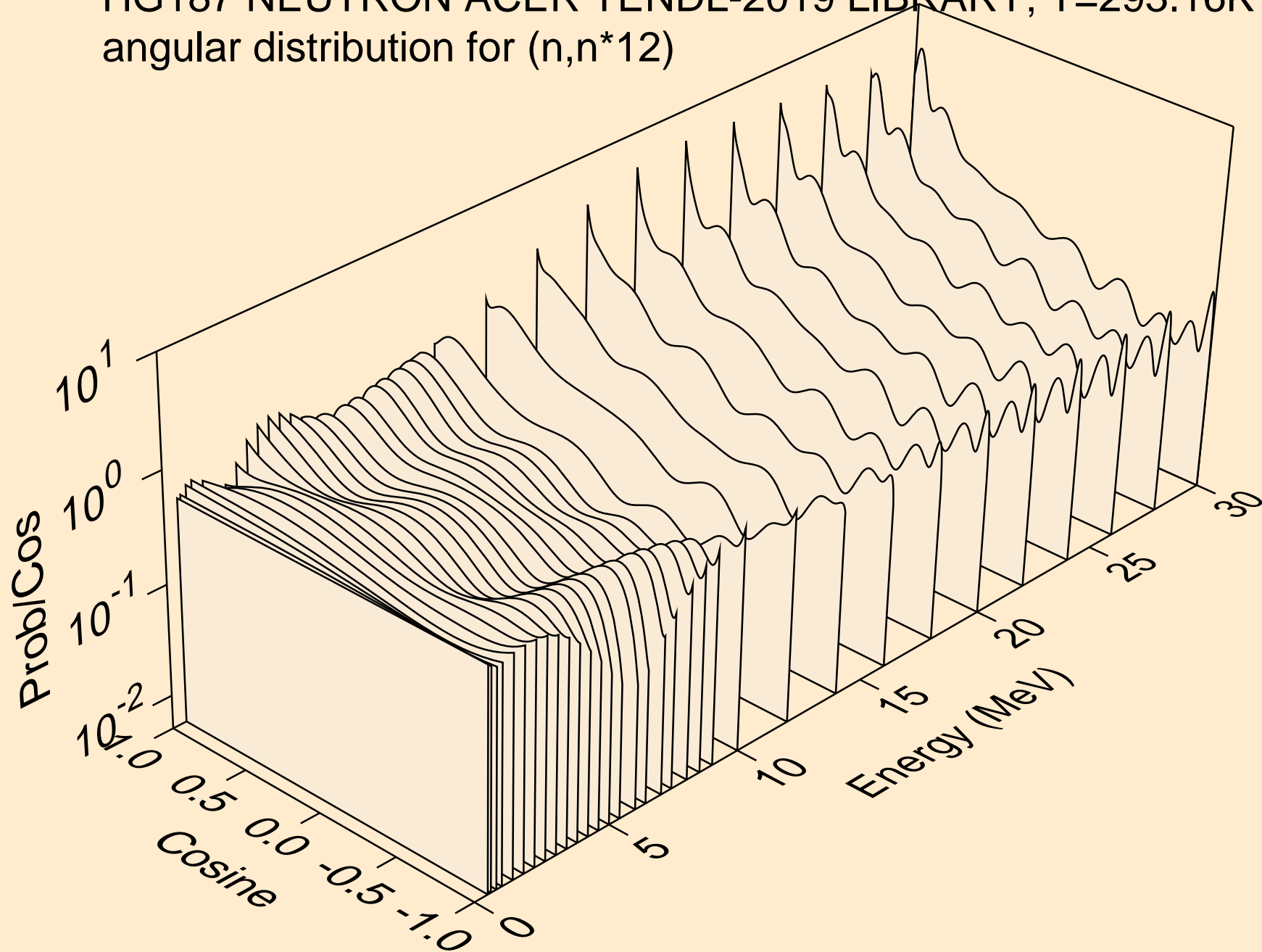
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angular distribution for (n,n*10)



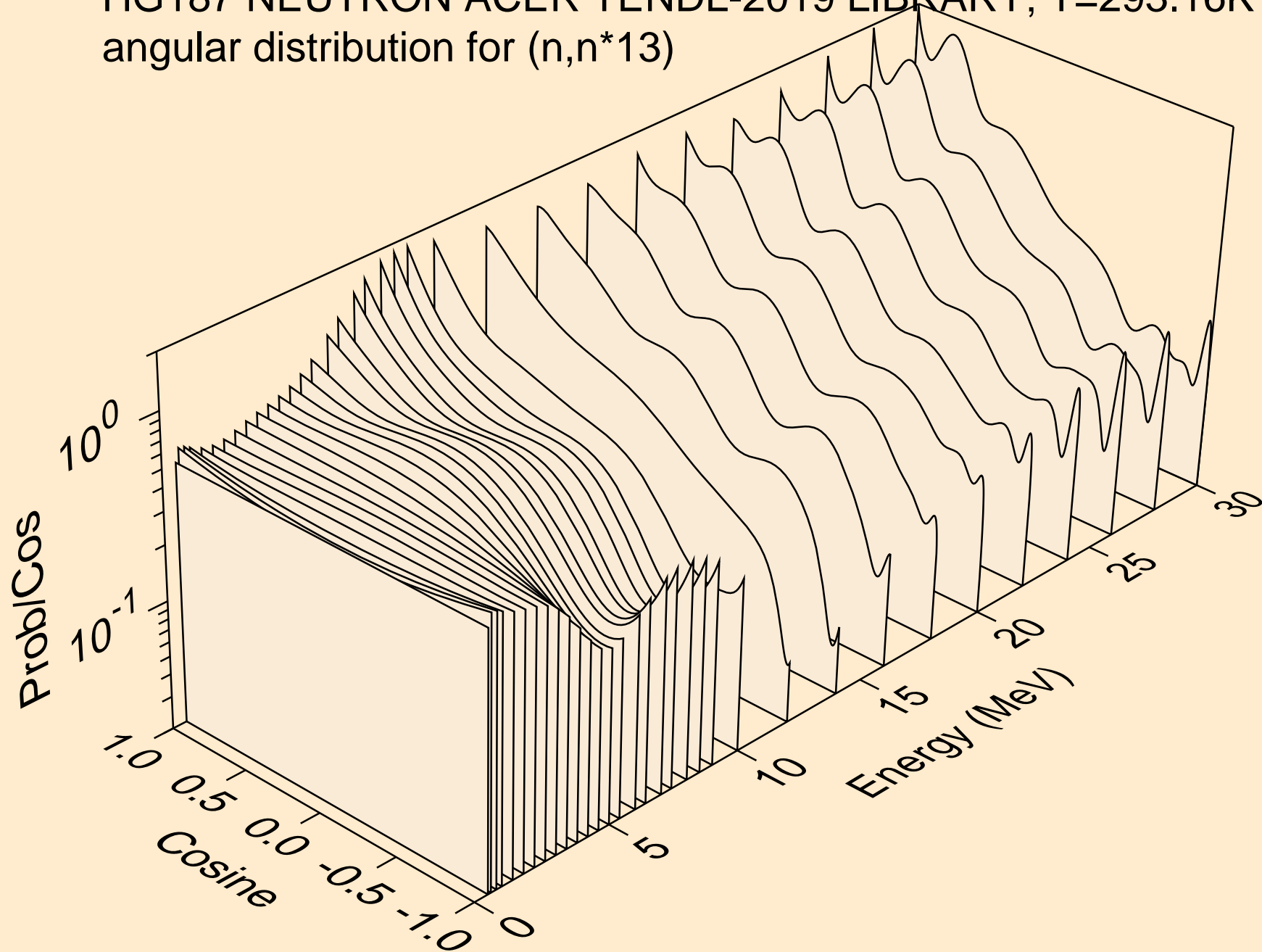
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angular distribution for (n,n*11)



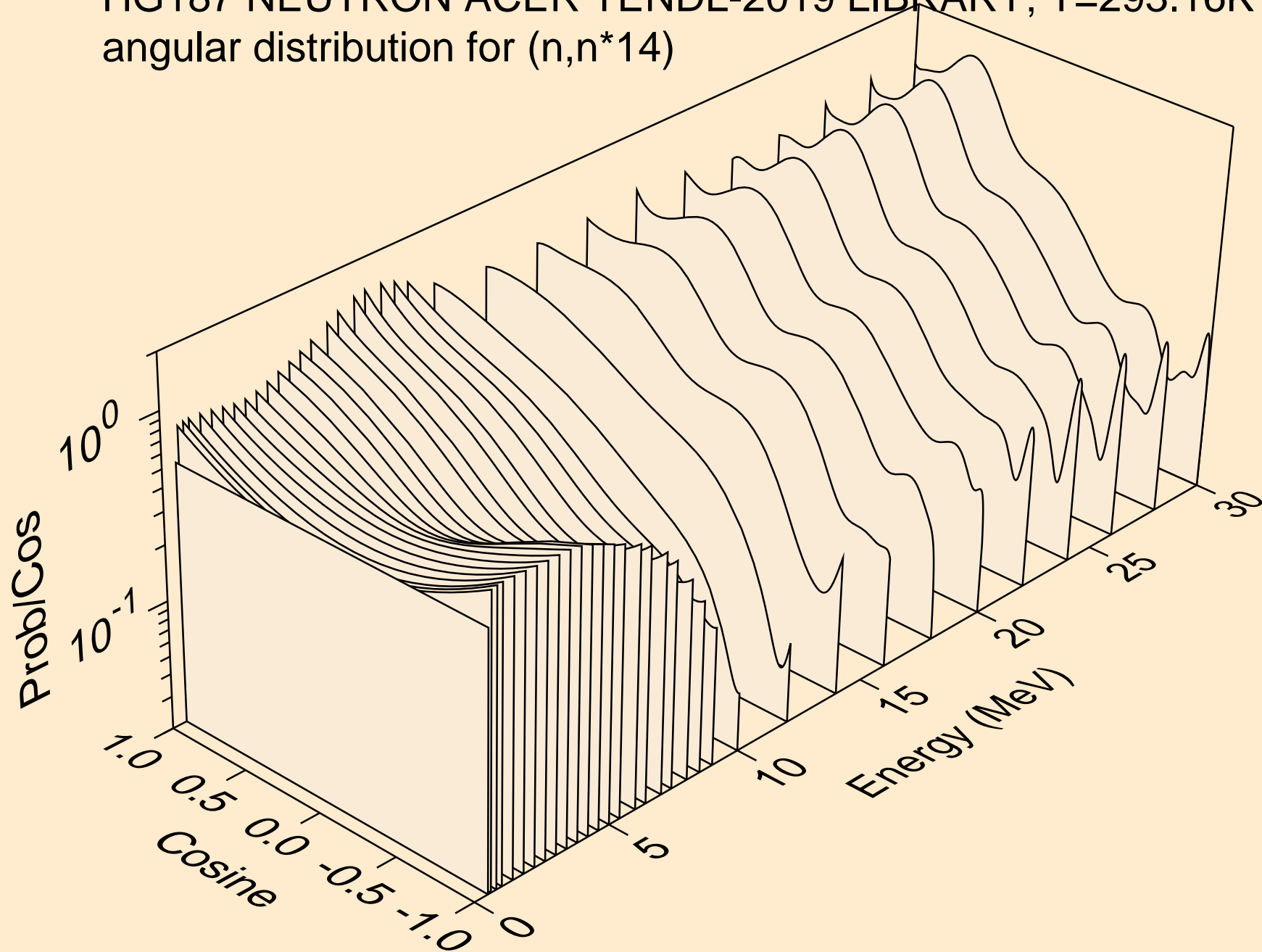
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angular distribution for (n,n*12)



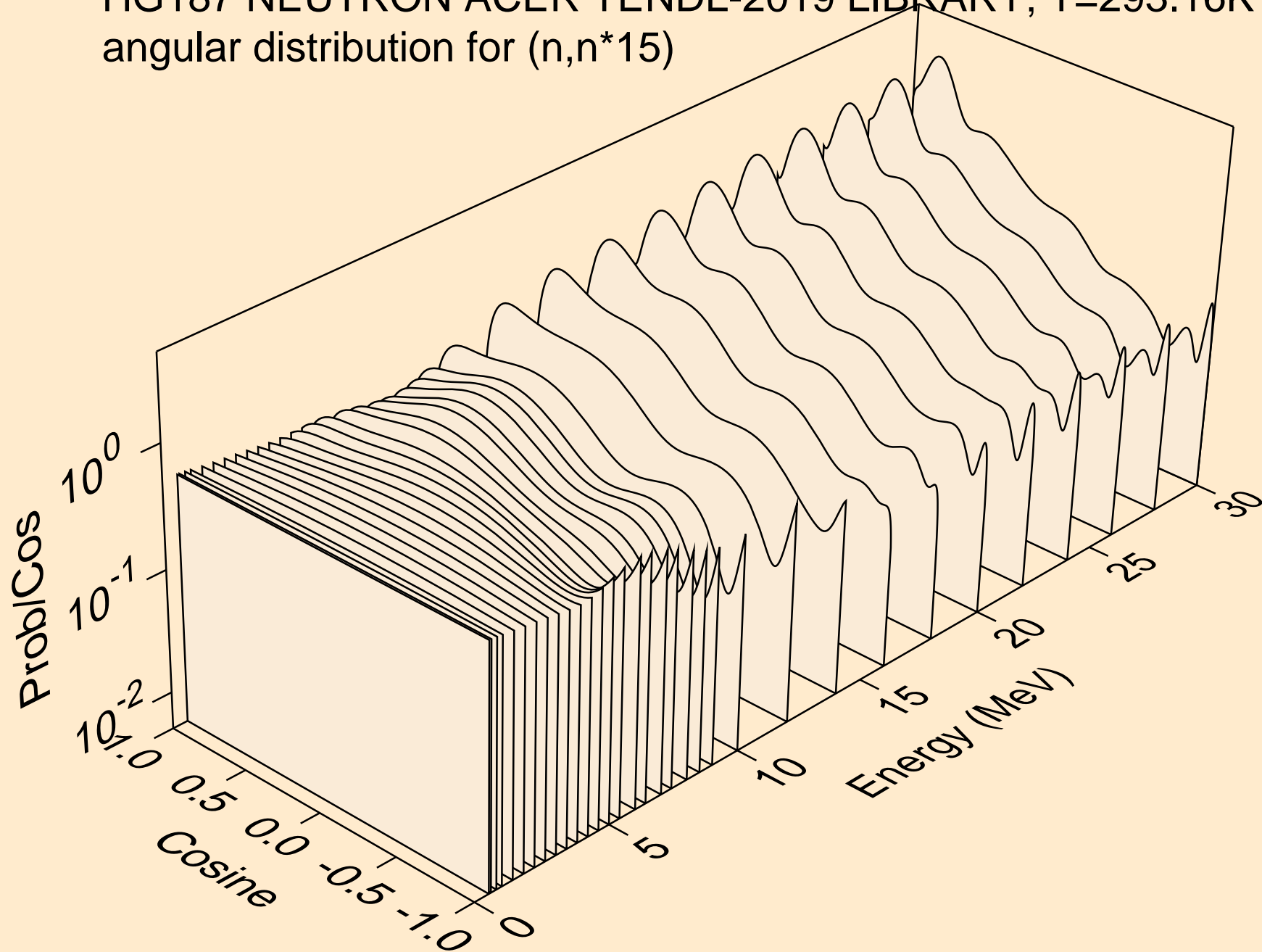
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angular distribution for (n,n*13)



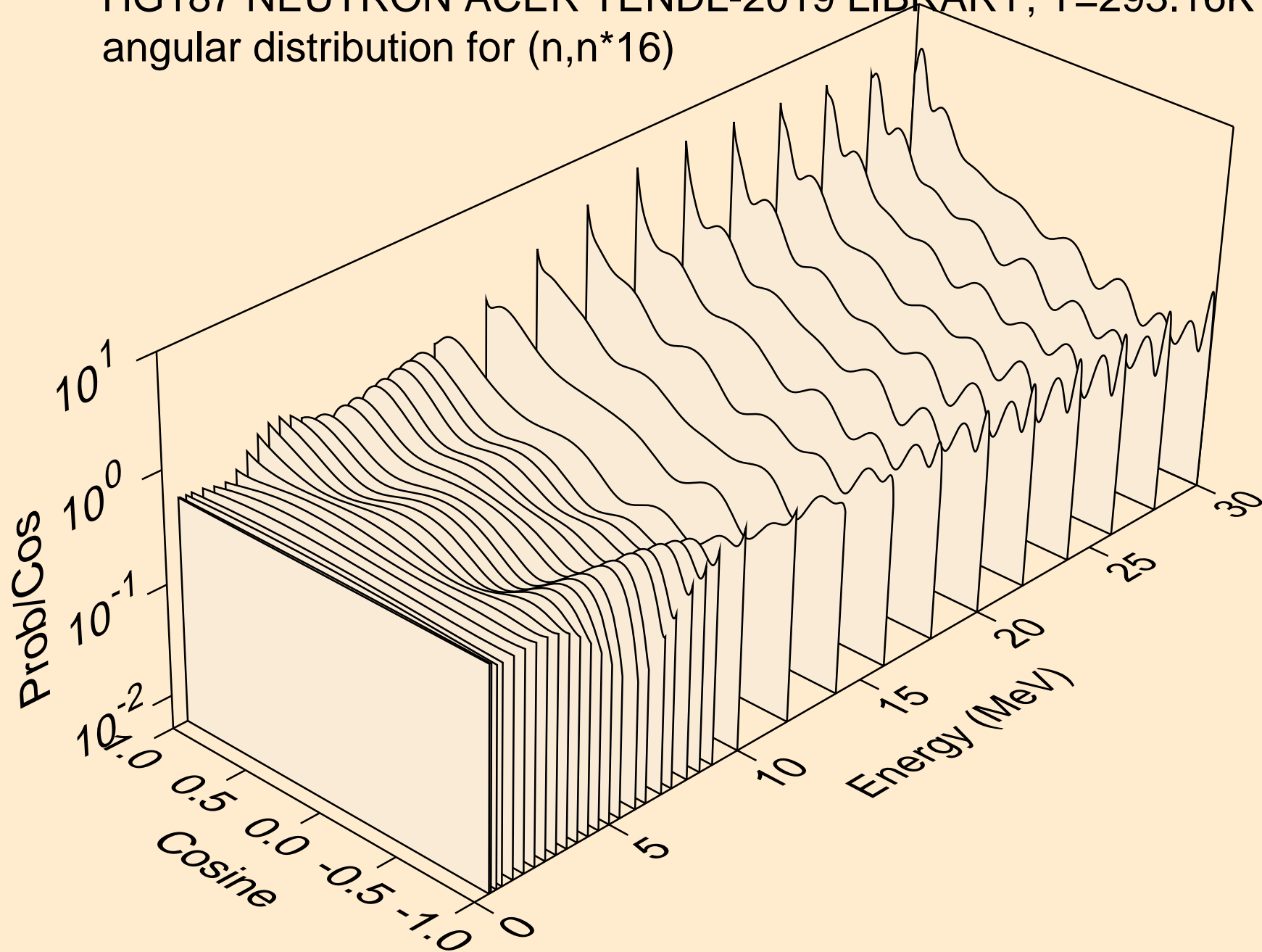
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angular distribution for (n,n*14)



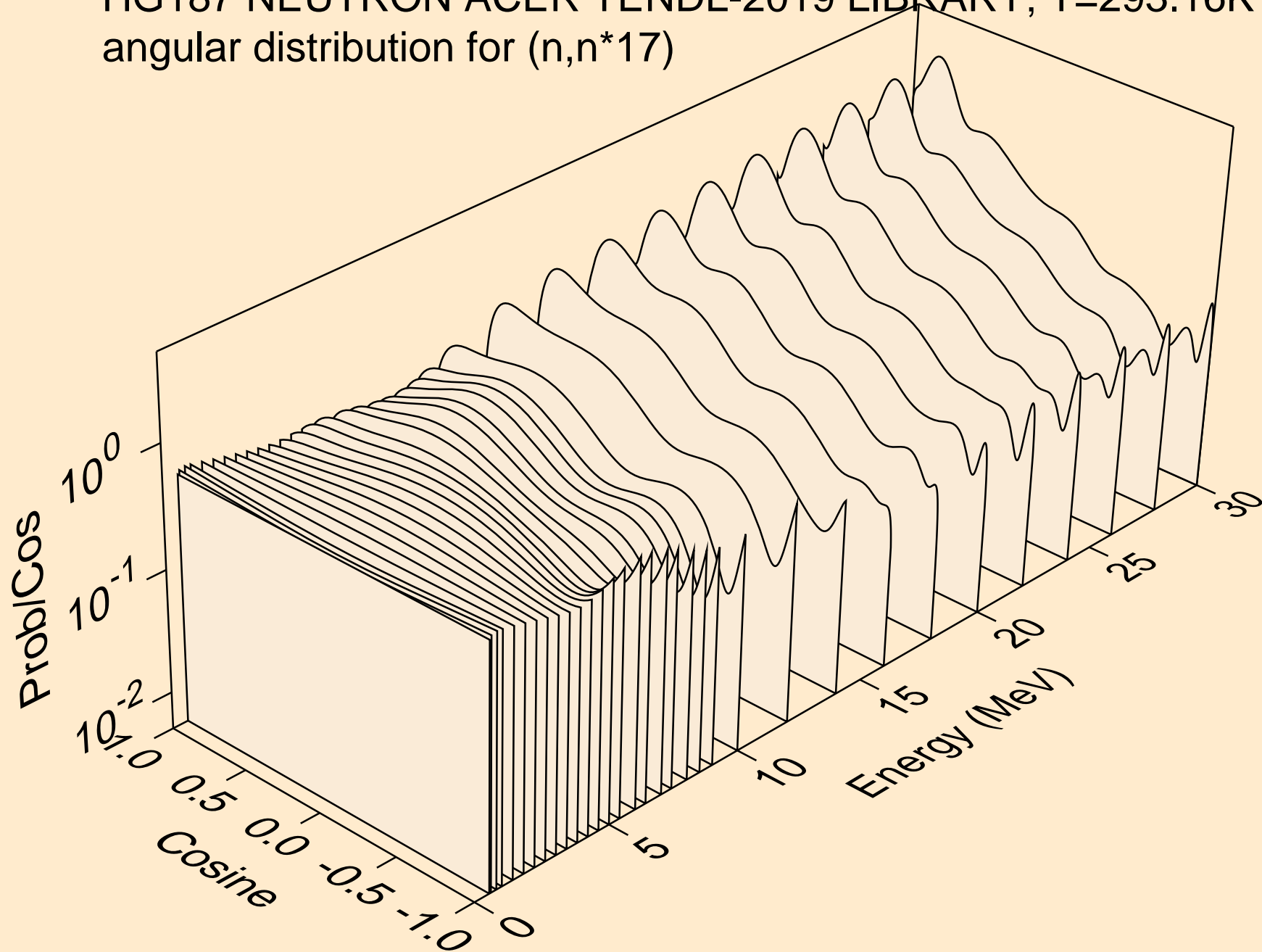
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angular distribution for (n,n*15)



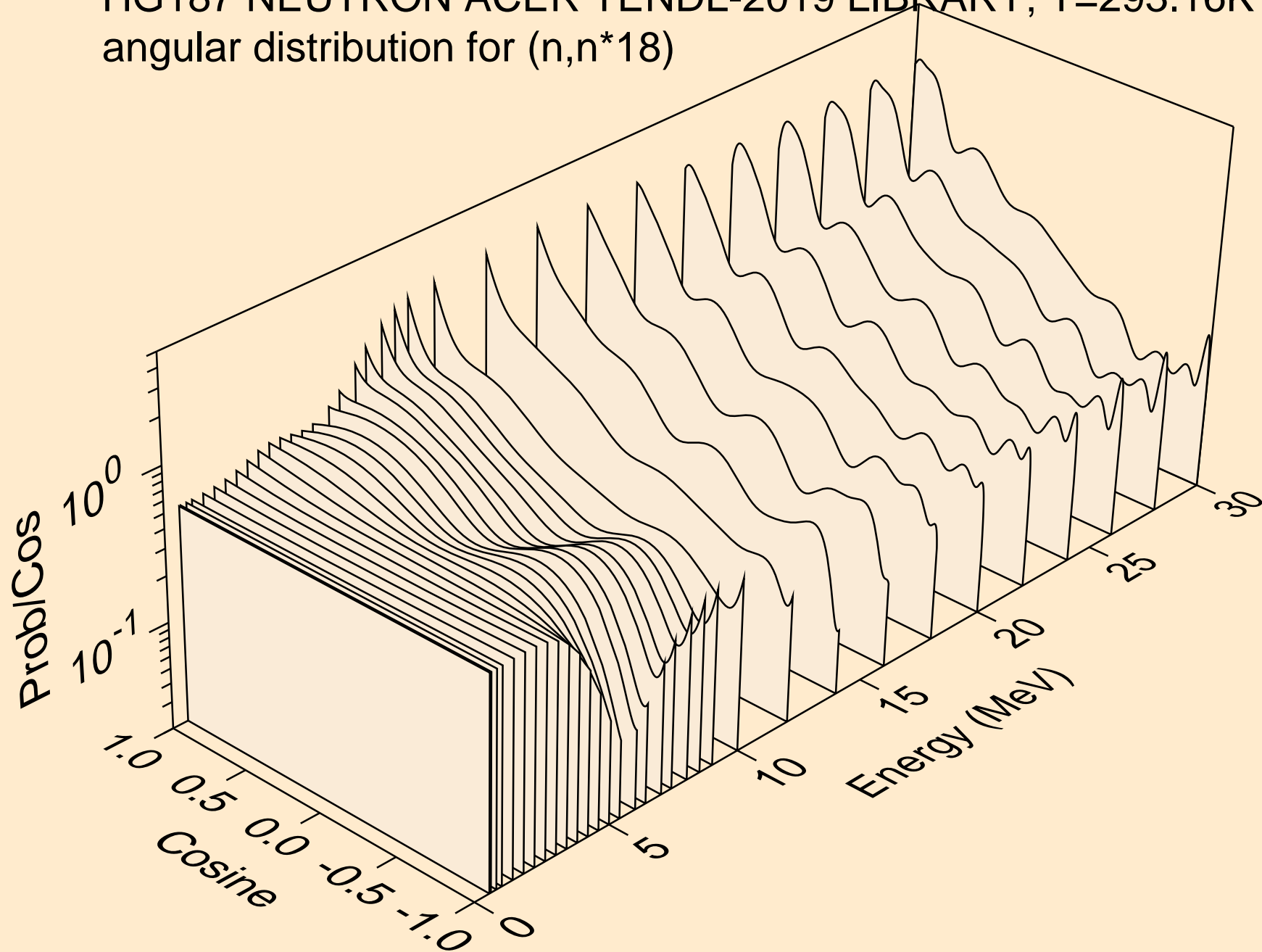
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angular distribution for (n,n*16)



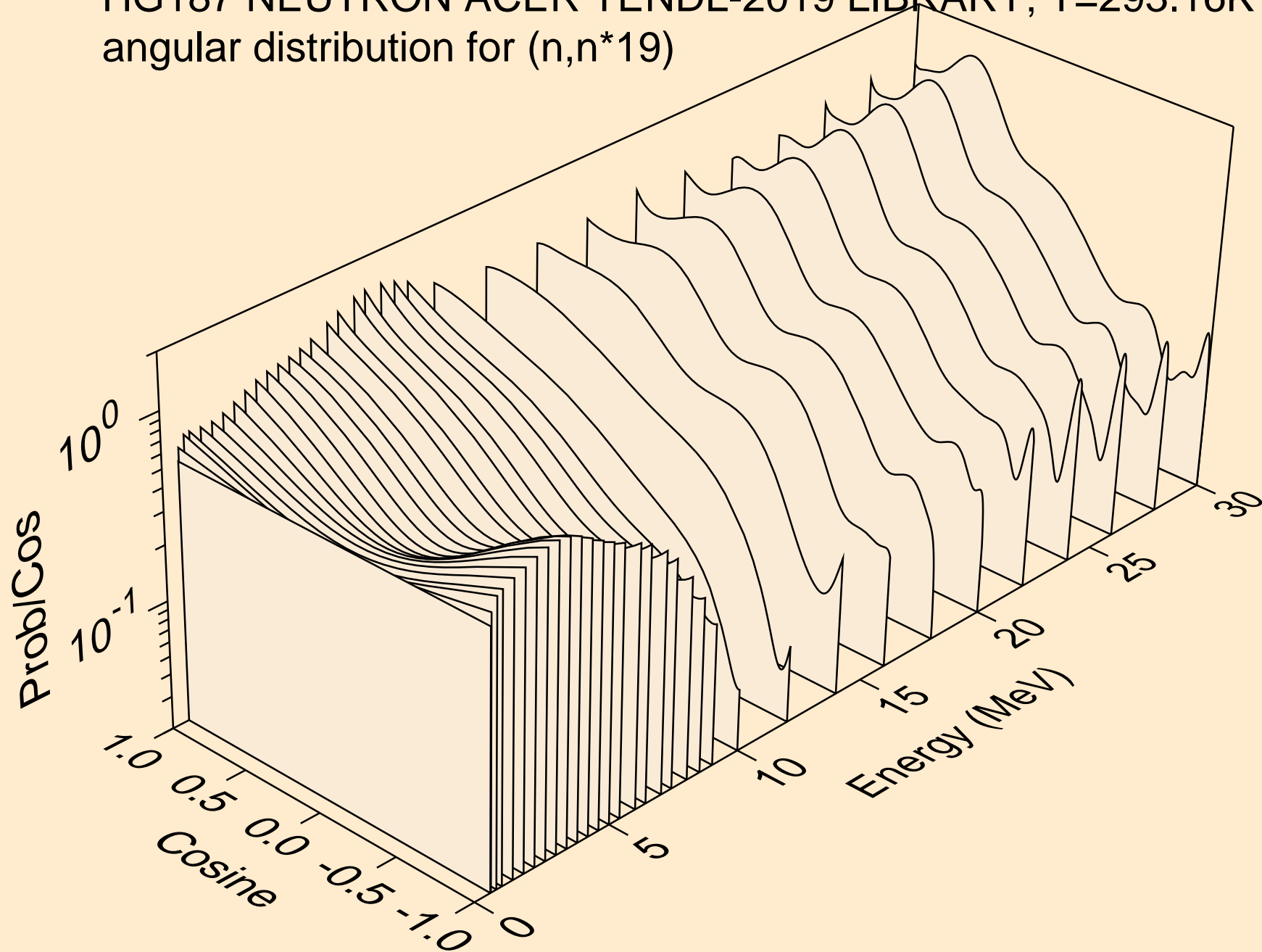
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angular distribution for (n,n*17)



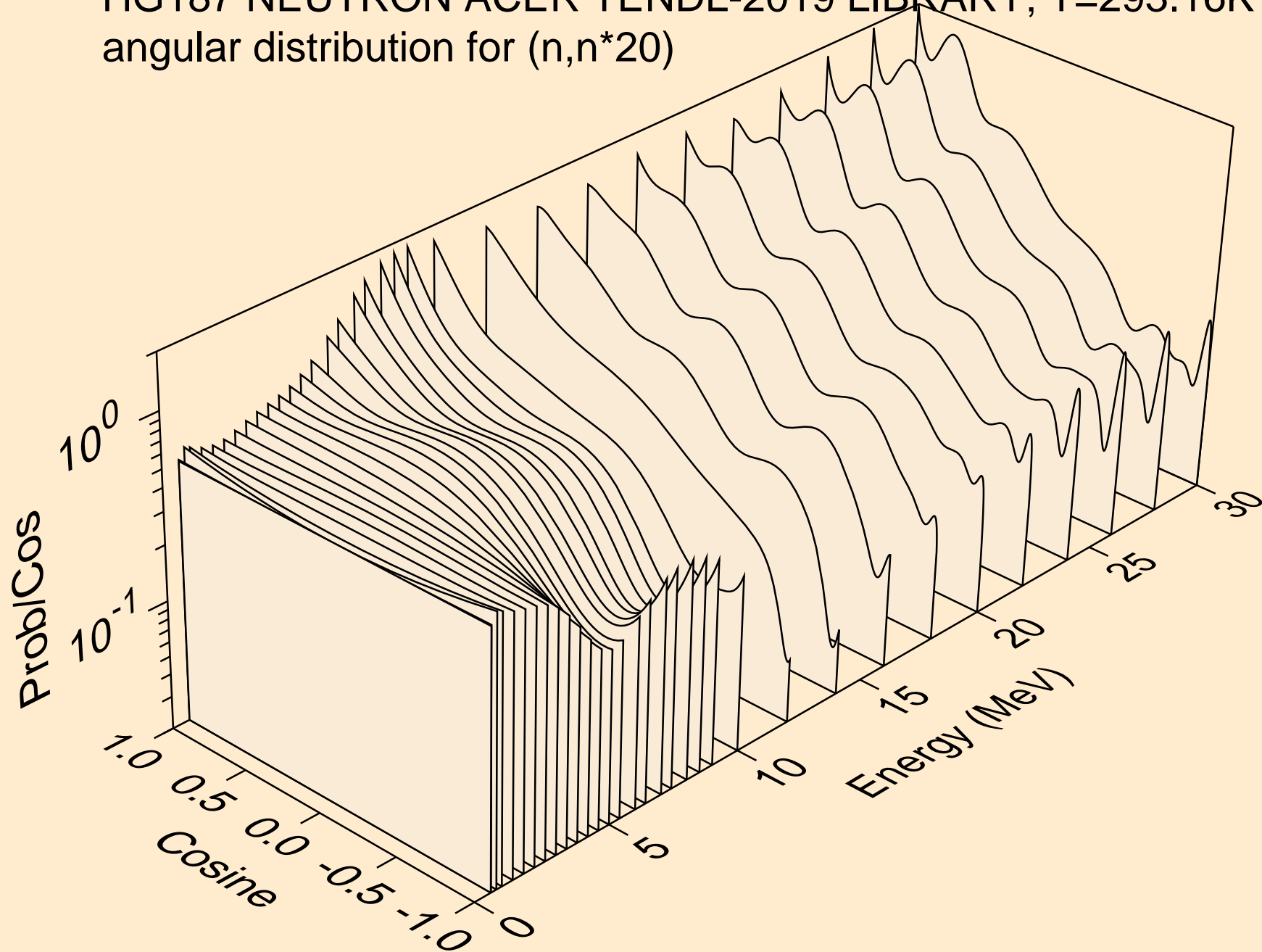
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*18)



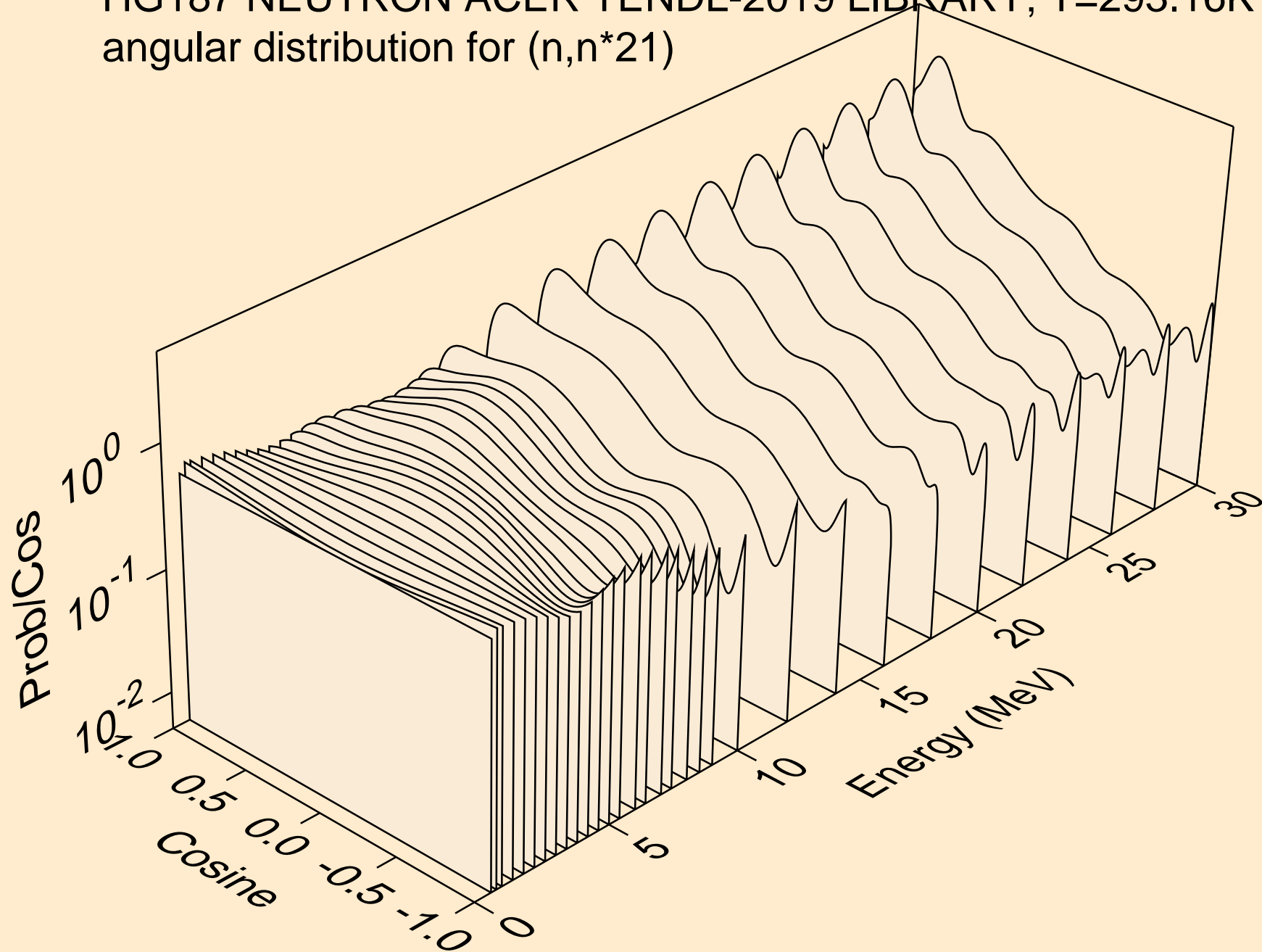
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angular distribution for (n,n*19)



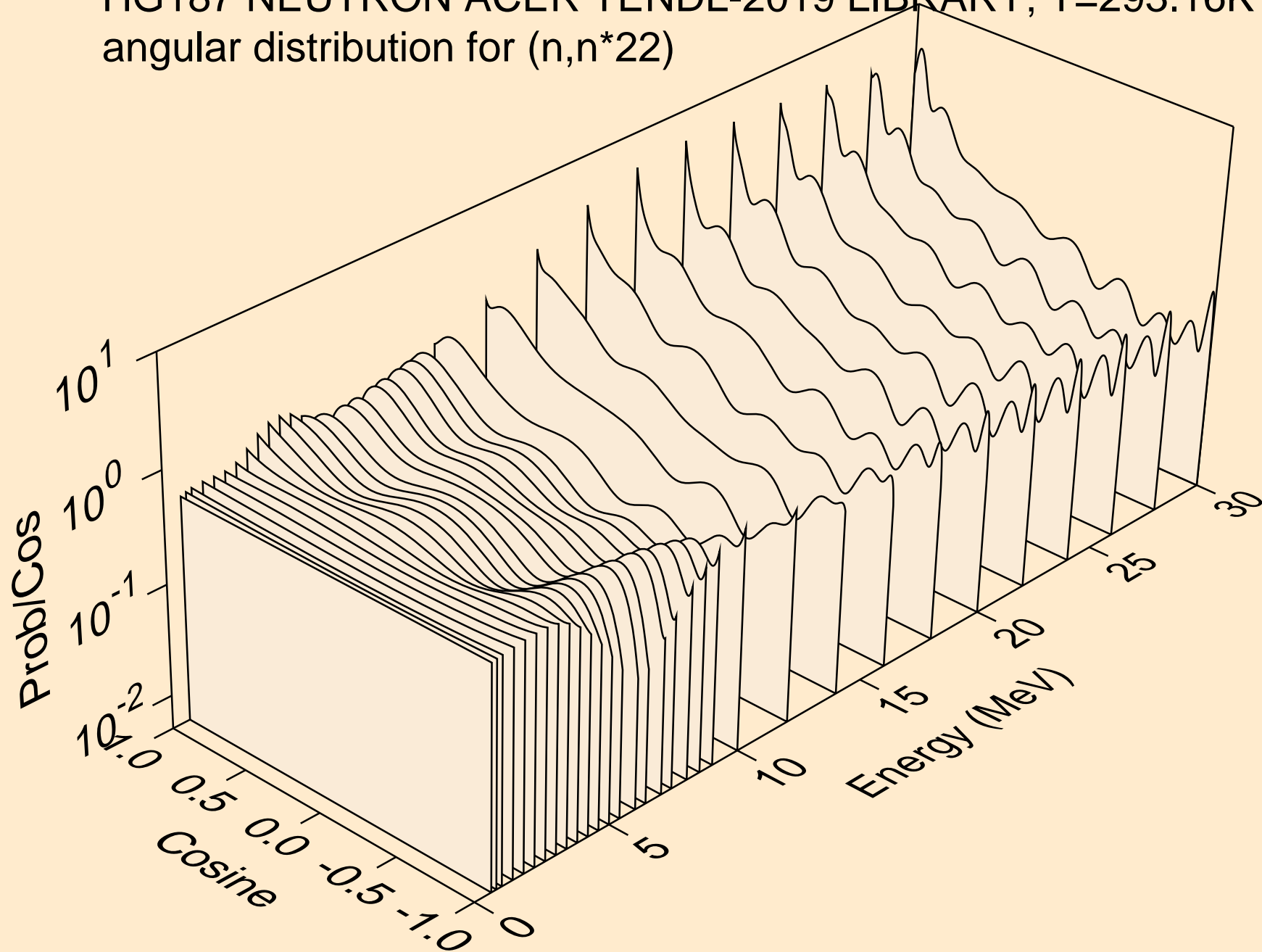
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angular distribution for (n,n*20)



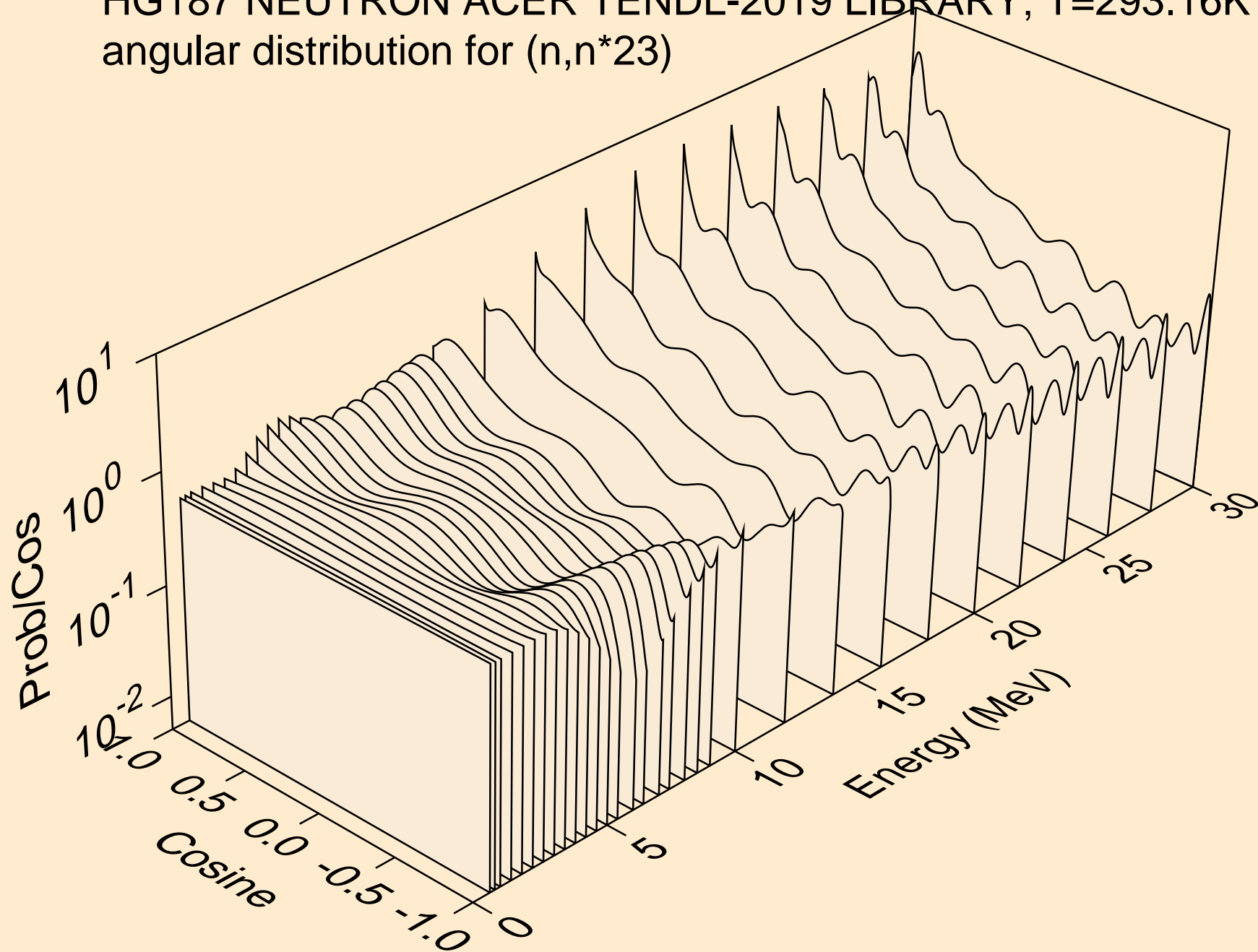
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angular distribution for (n,n*21)



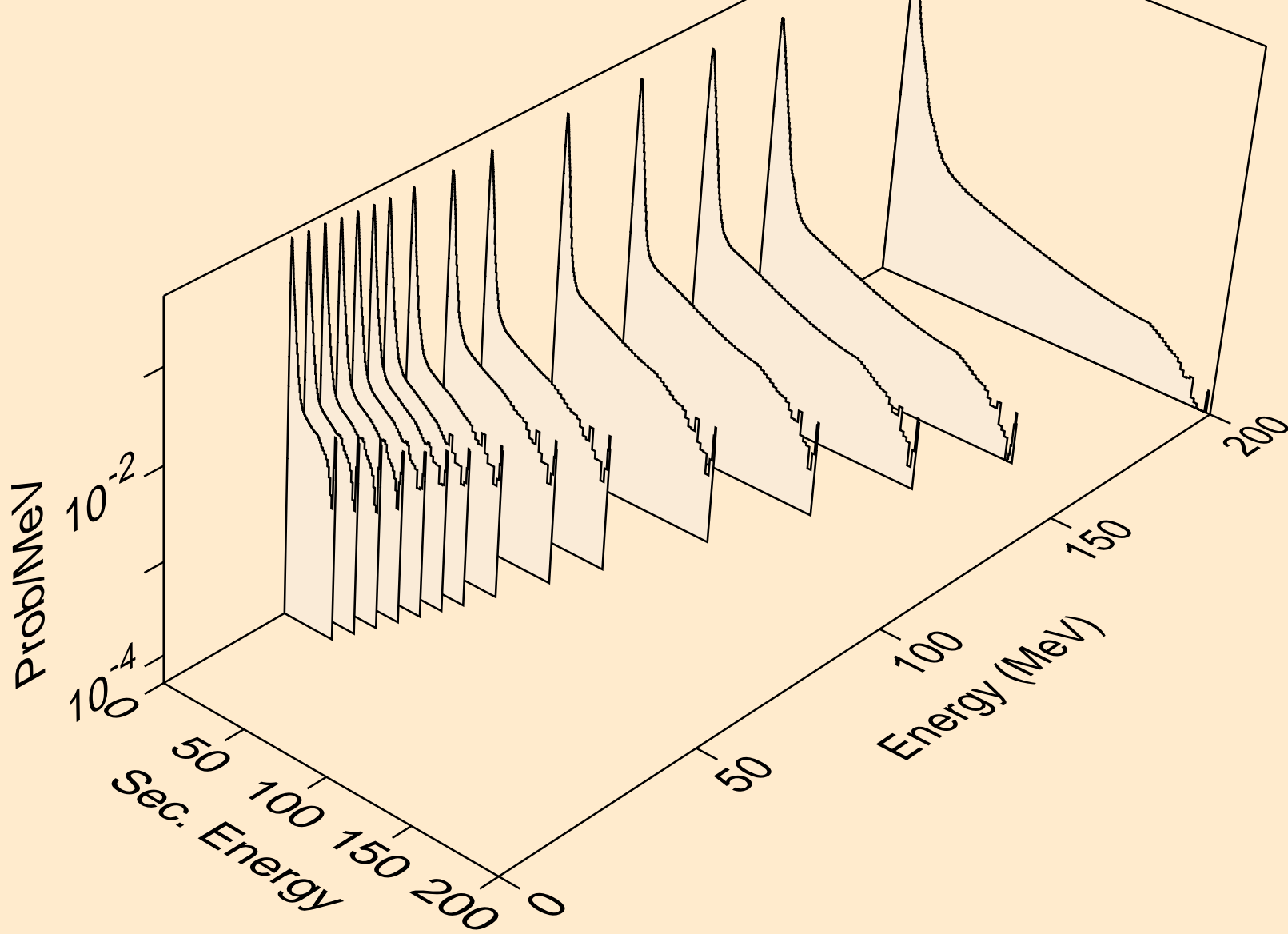
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angular distribution for (n,n*22)



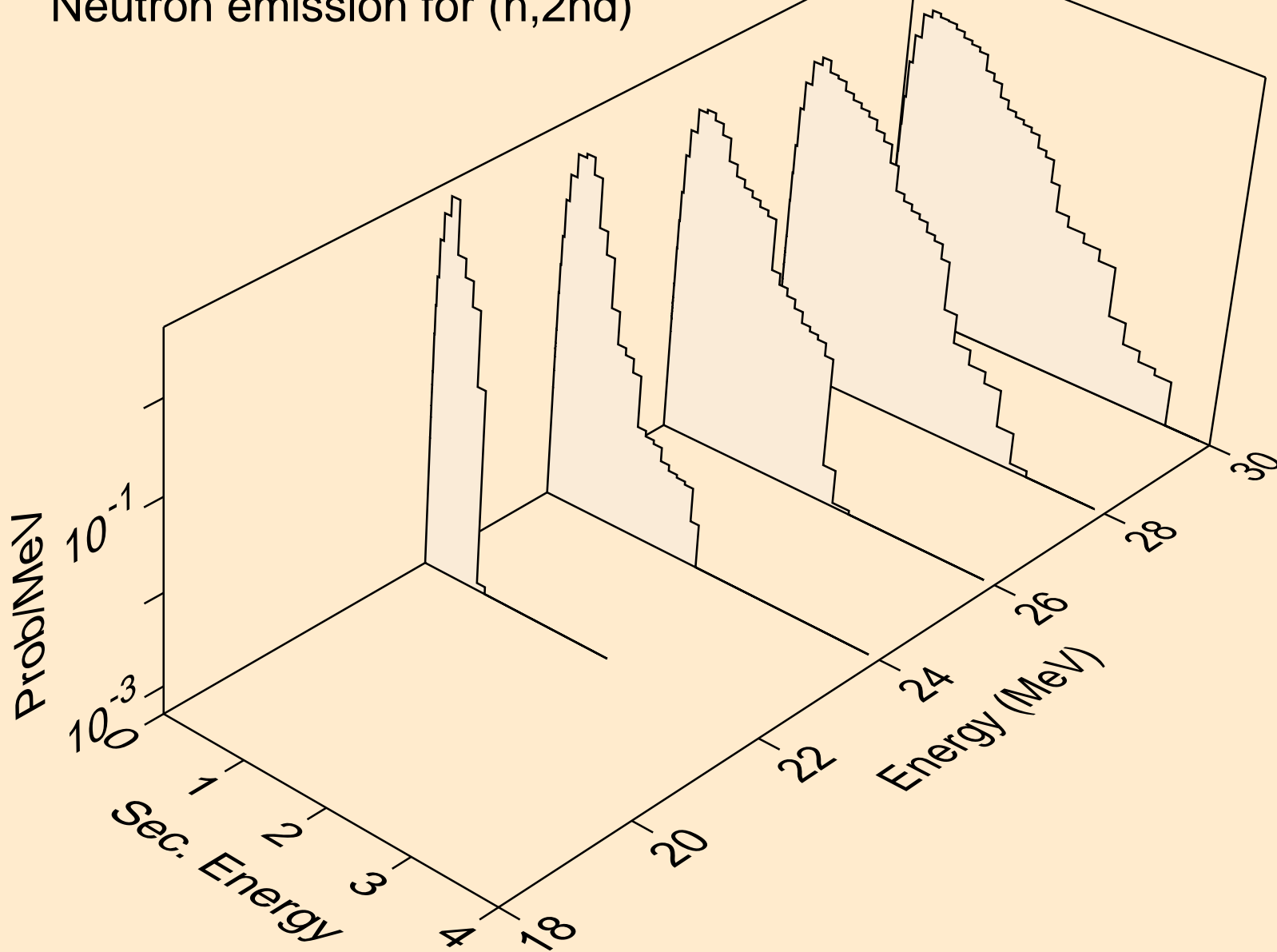
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angular distribution for (n,n*23)



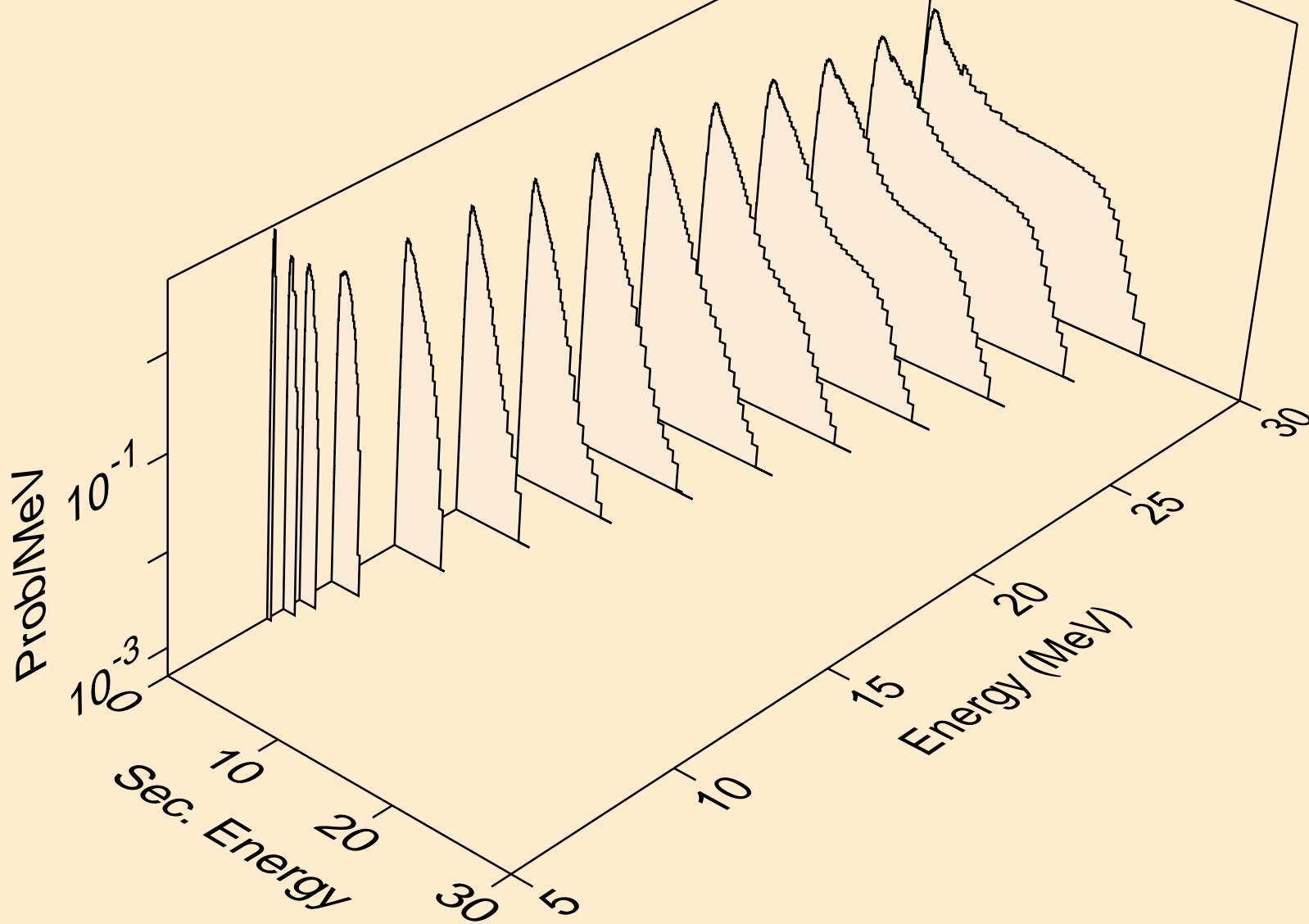
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



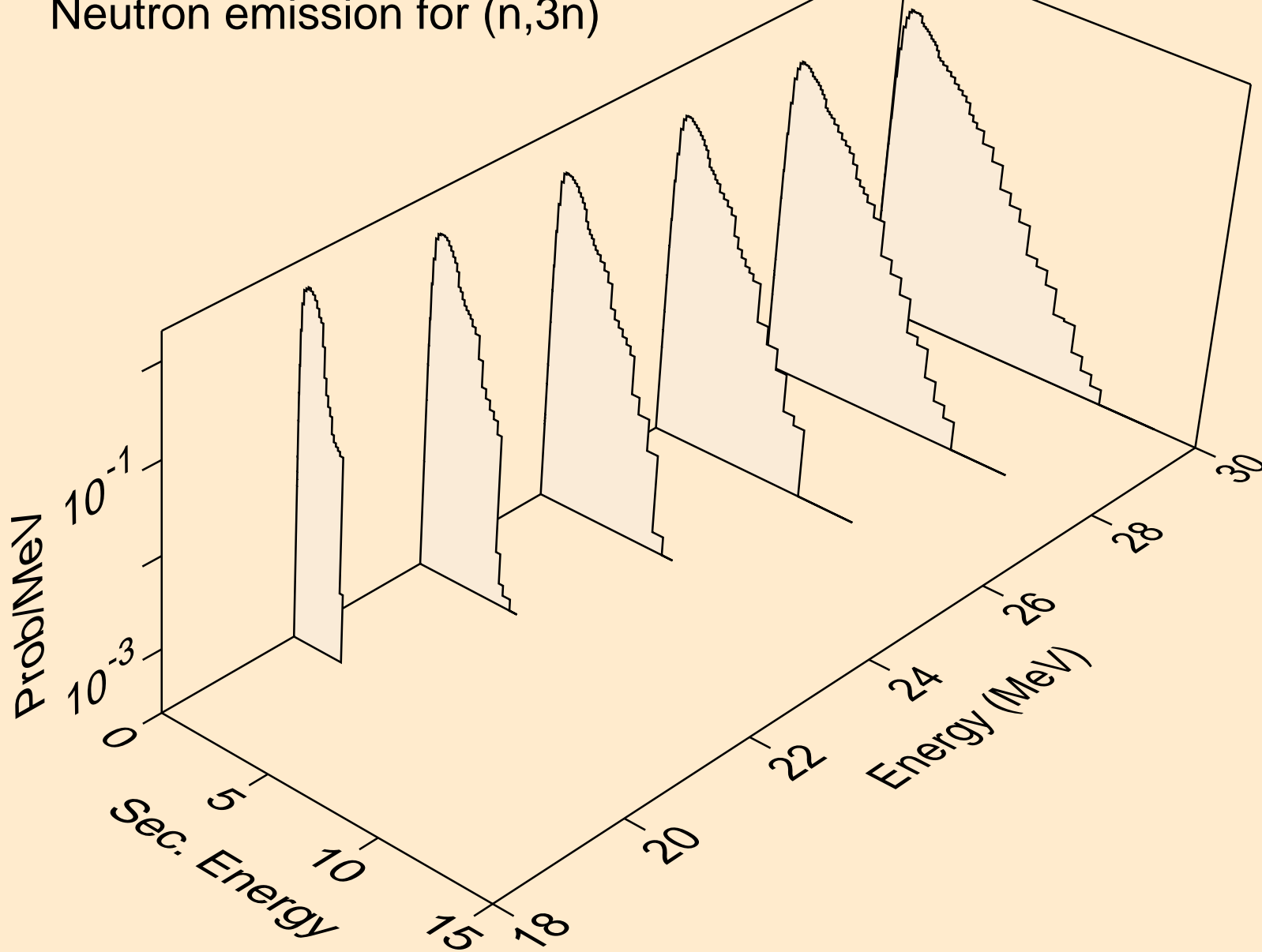
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



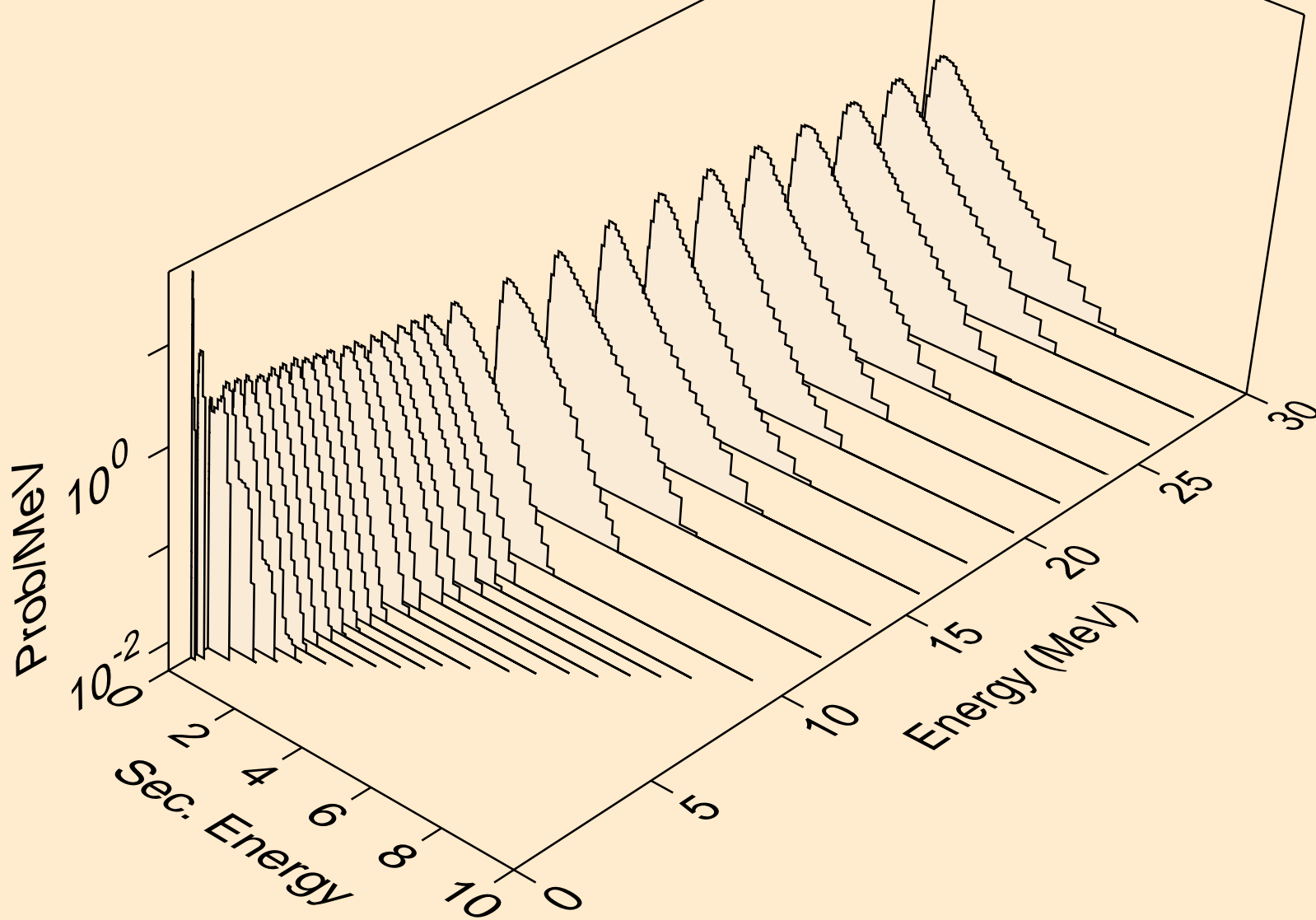
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



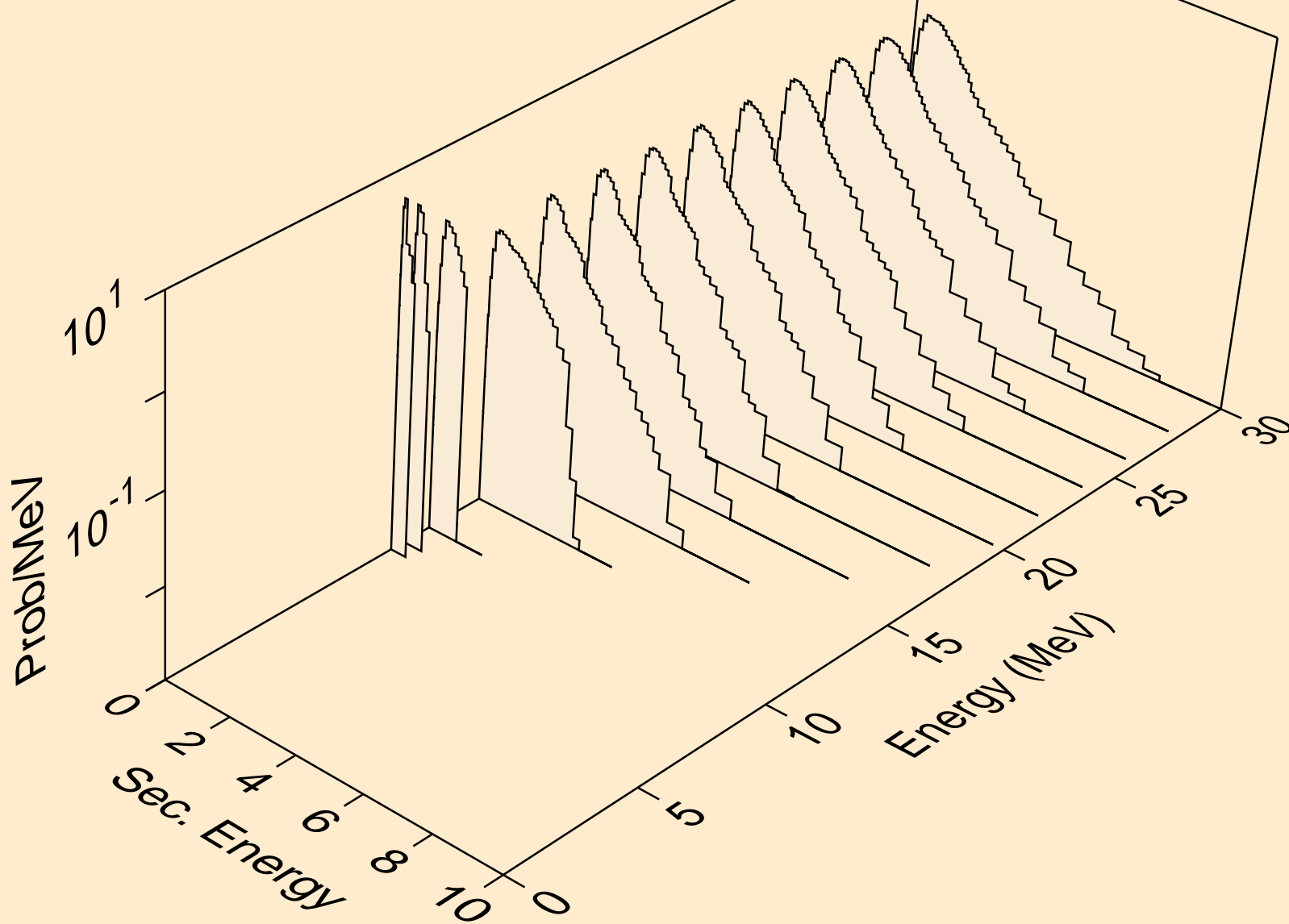
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



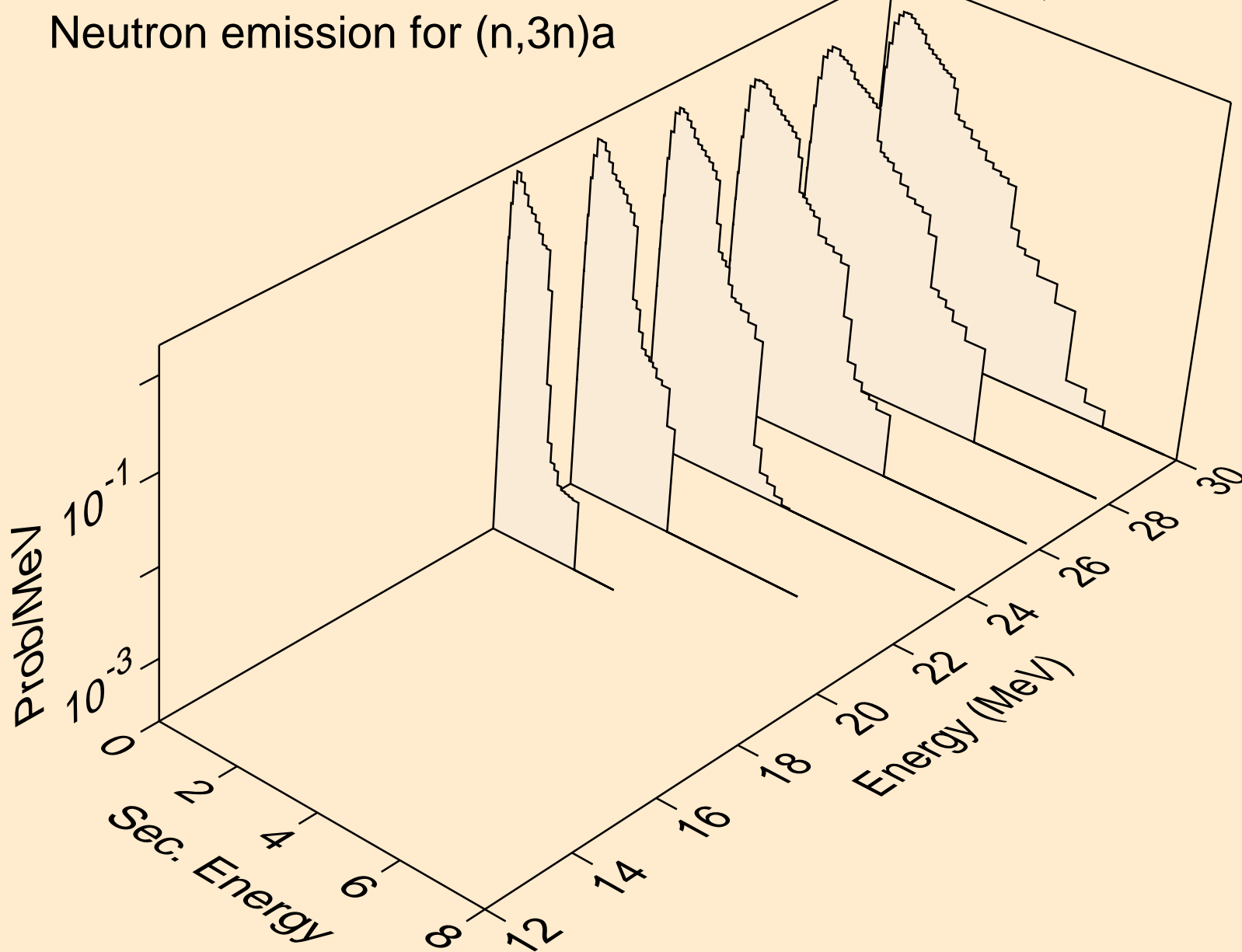
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



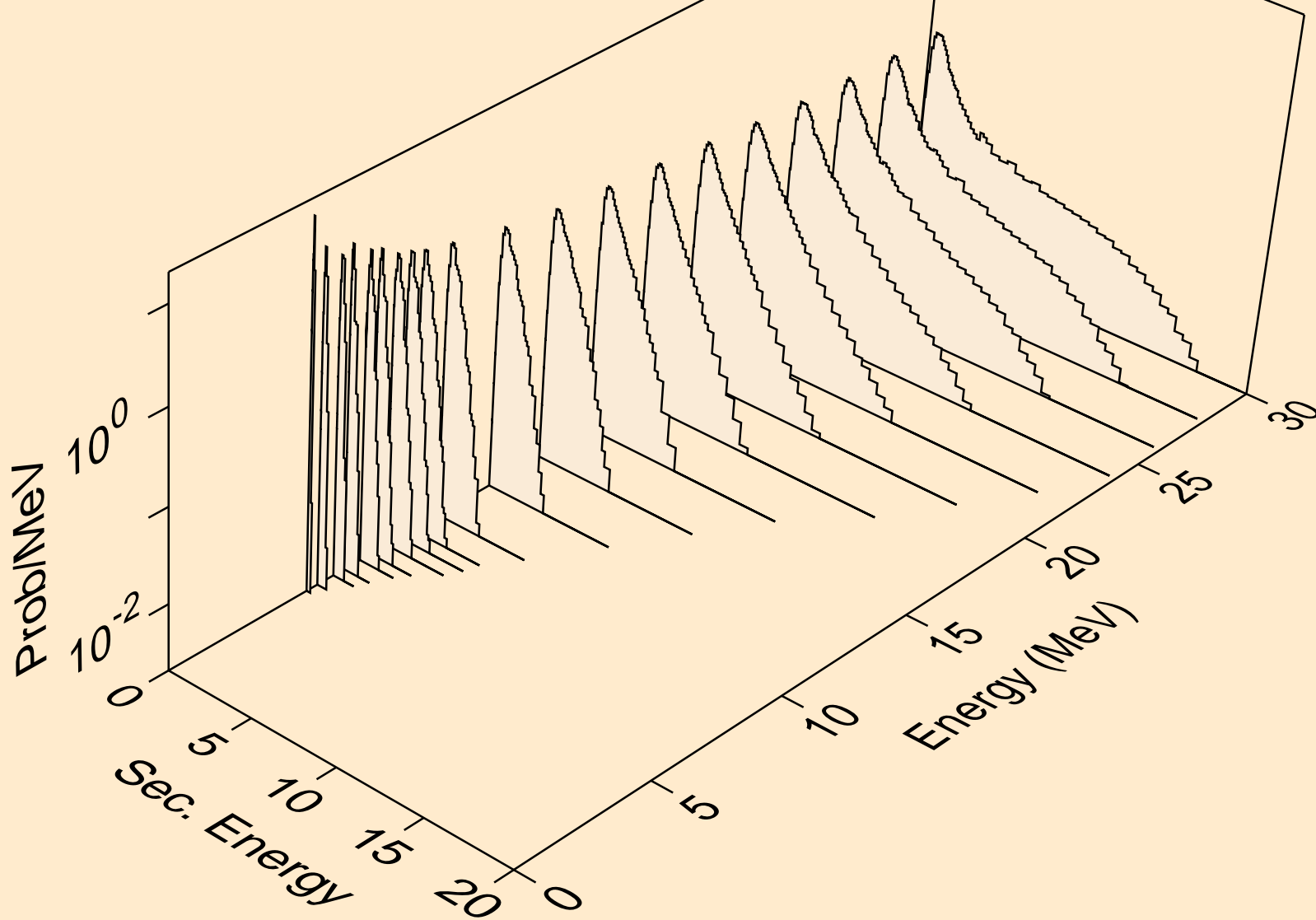
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



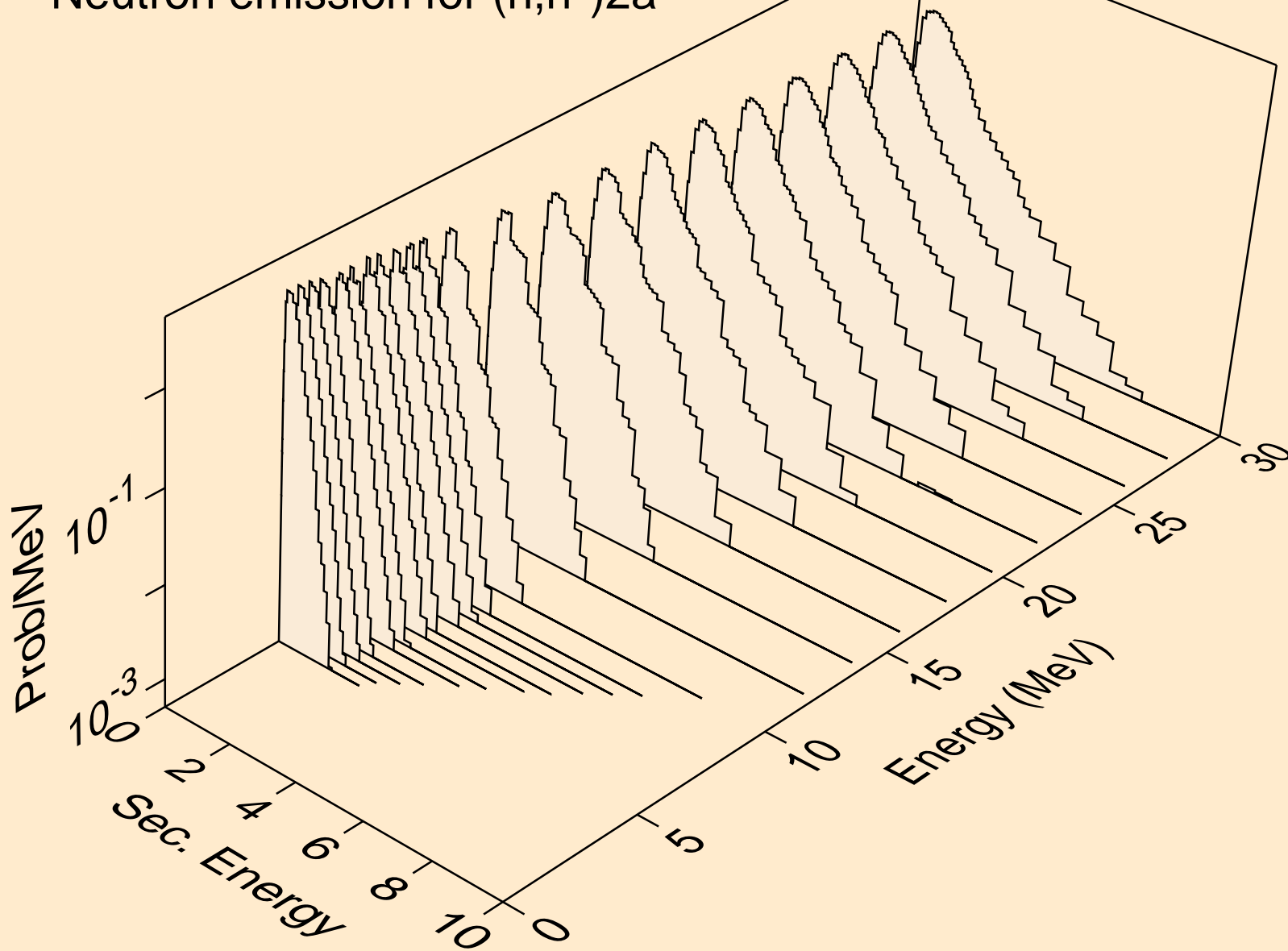
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



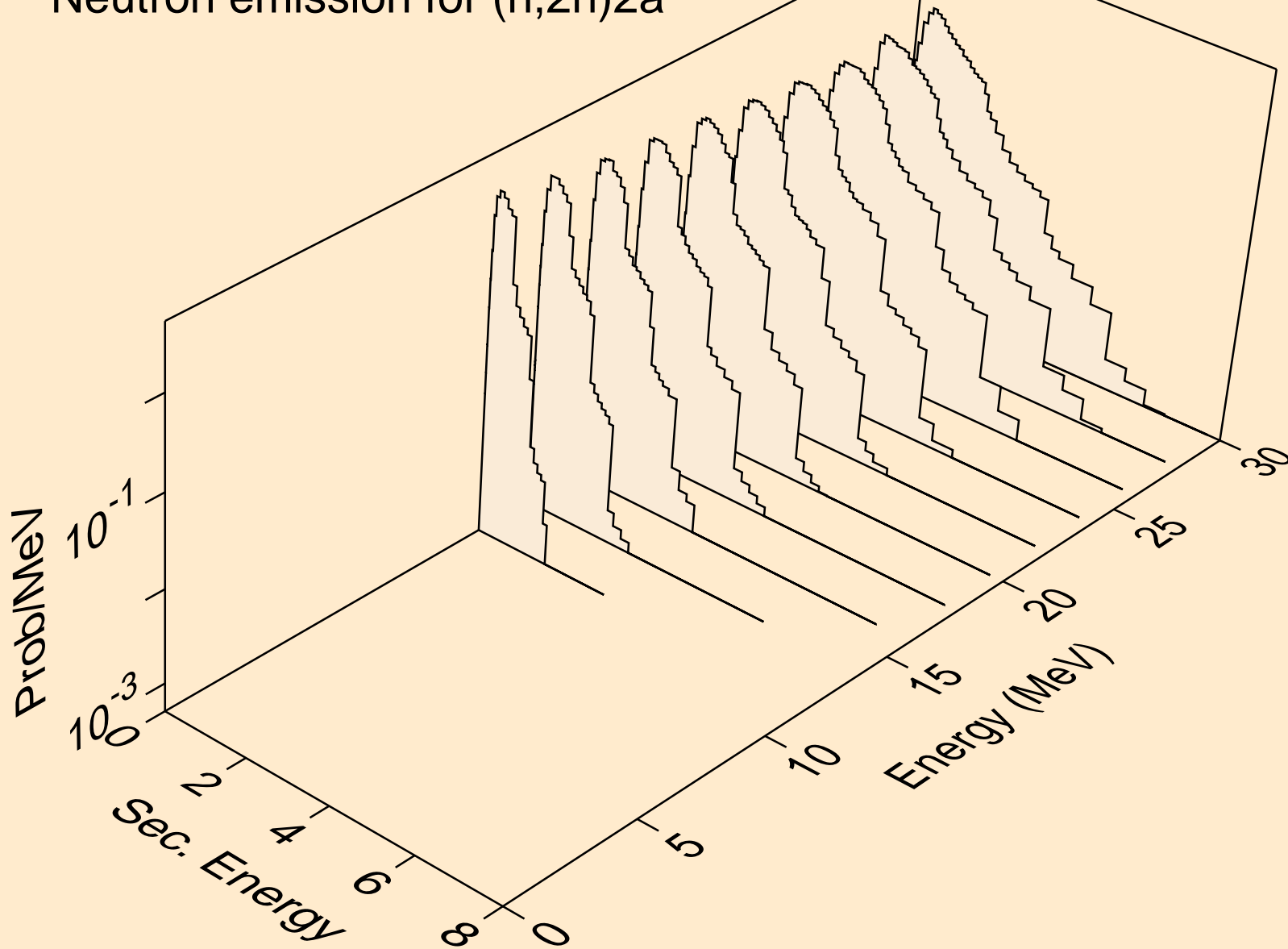
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



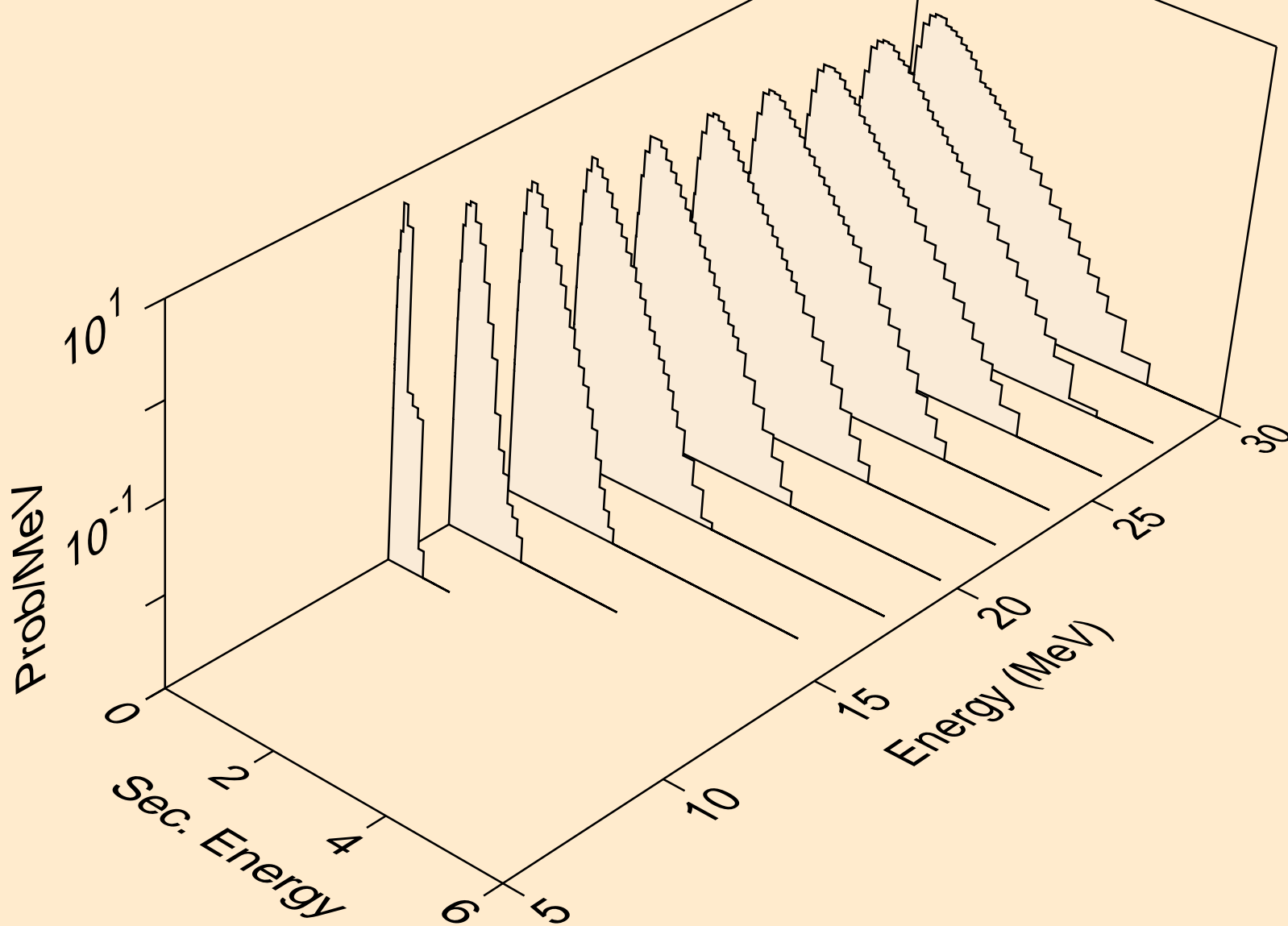
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



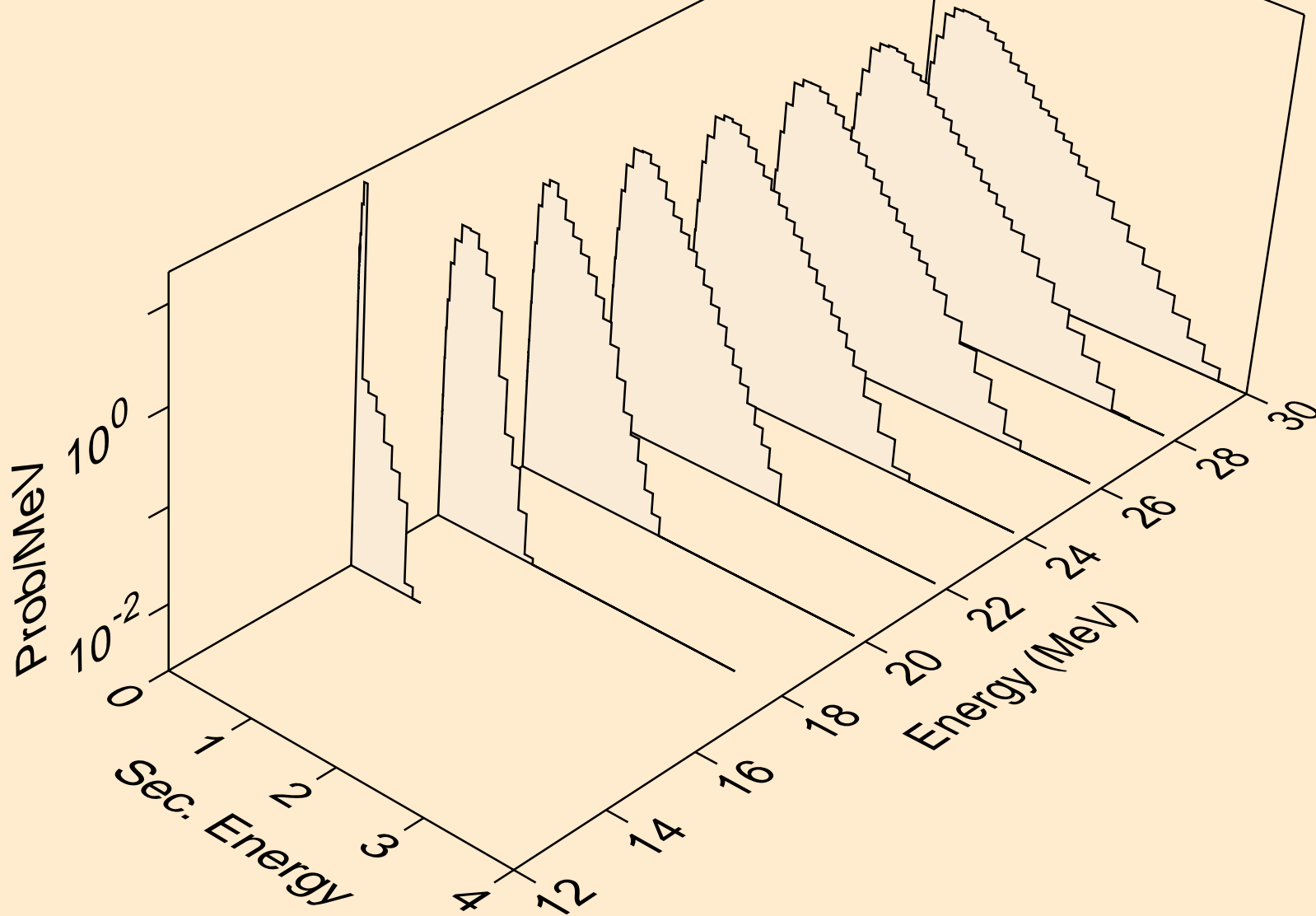
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



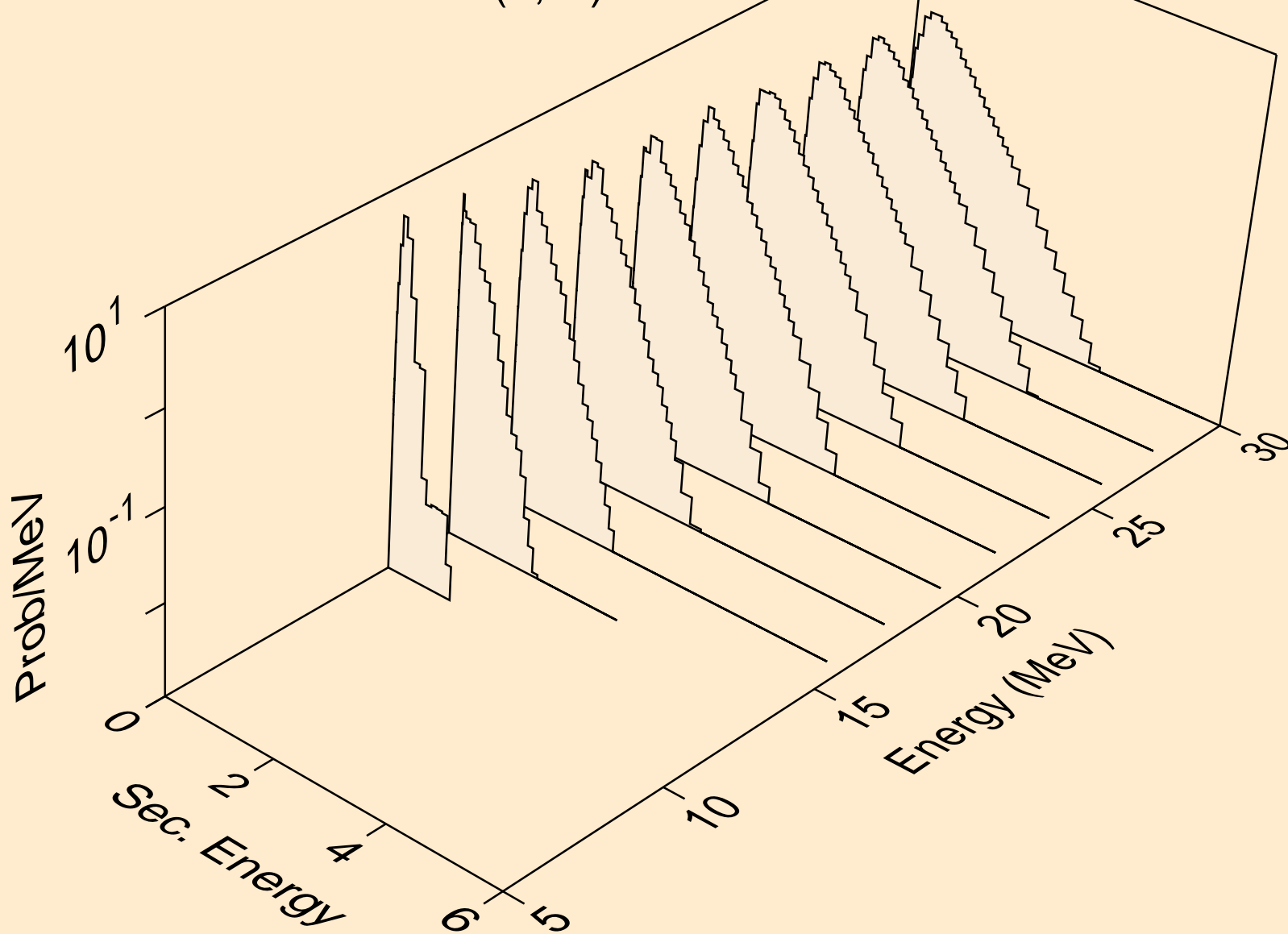
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



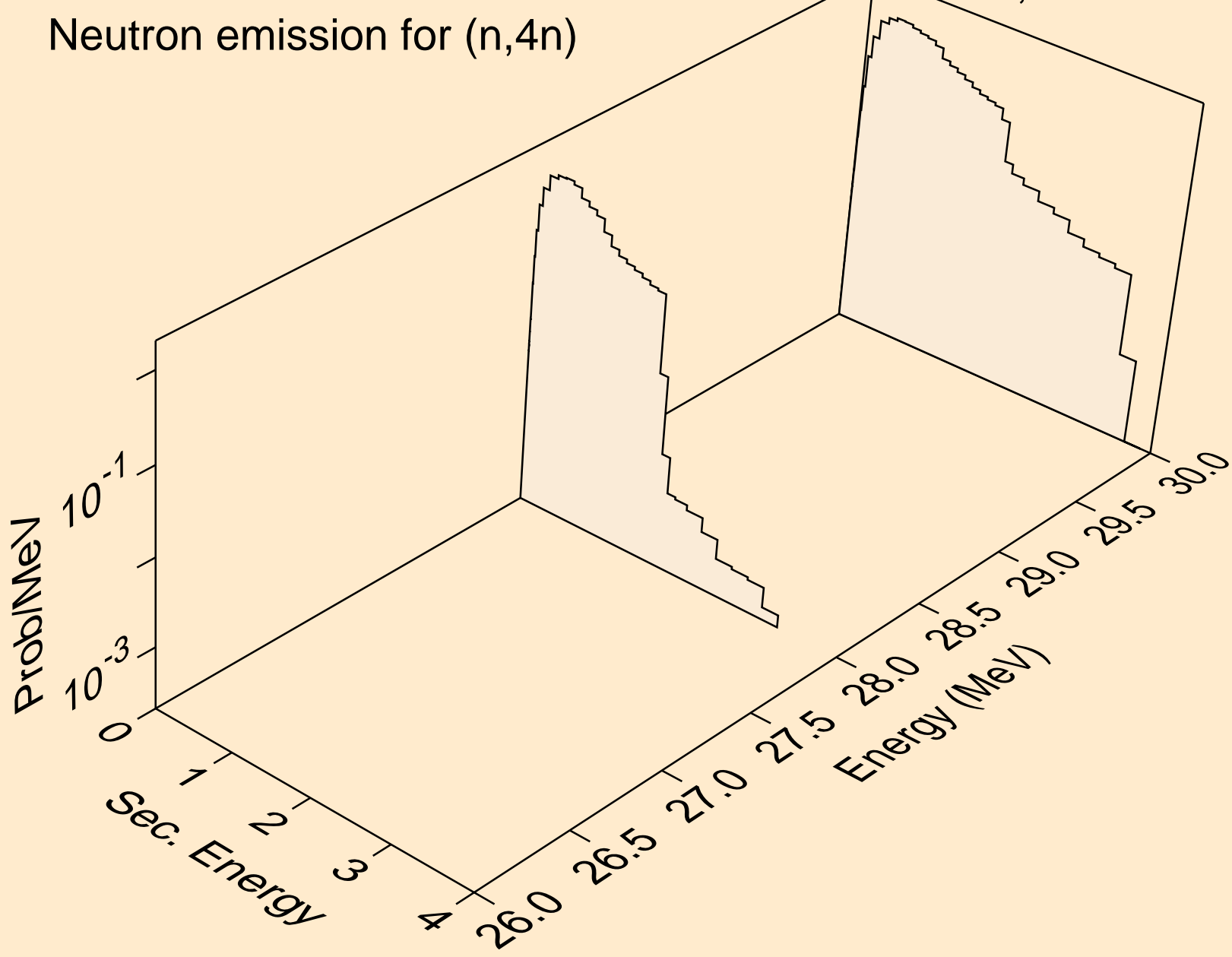
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



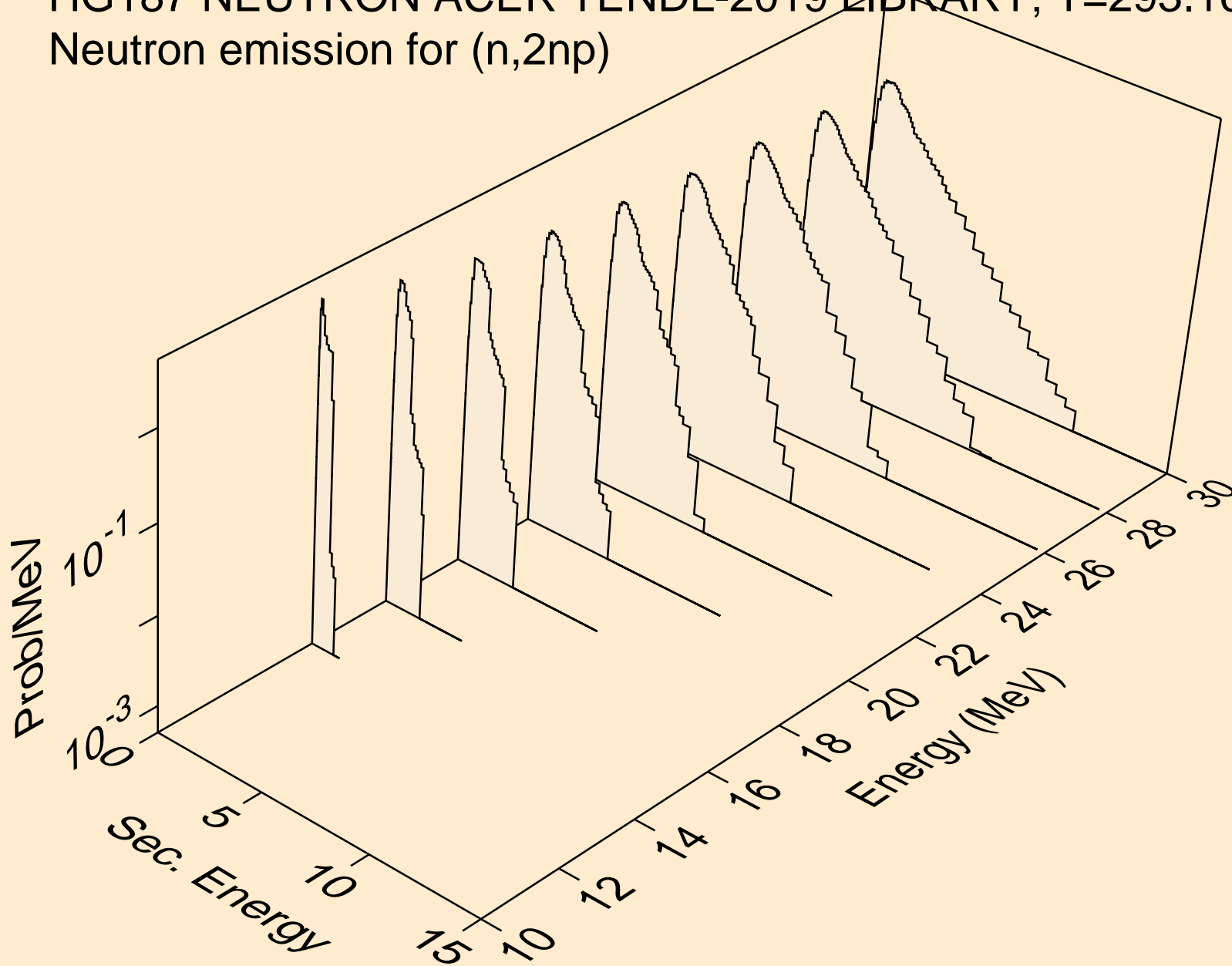
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



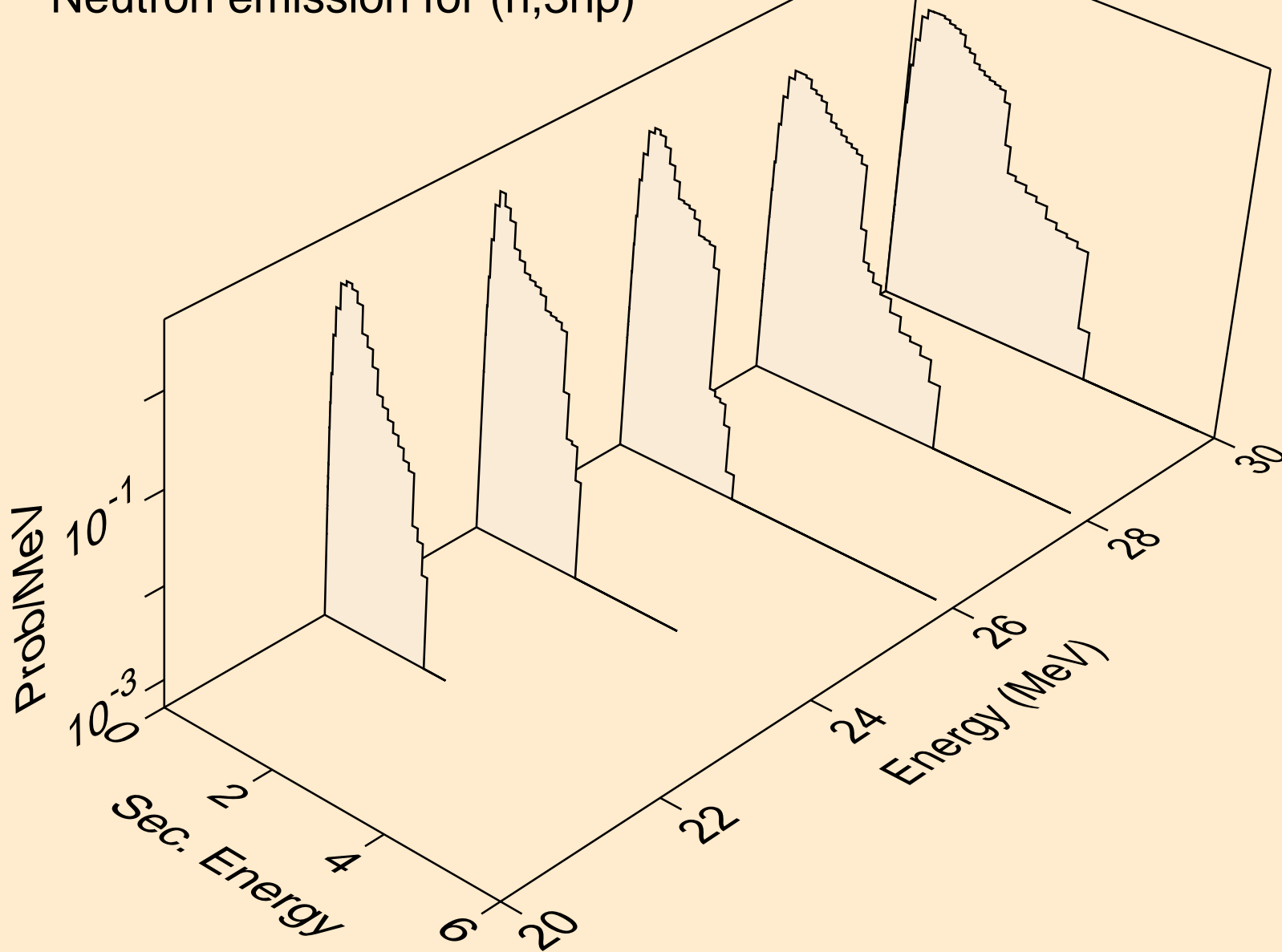
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



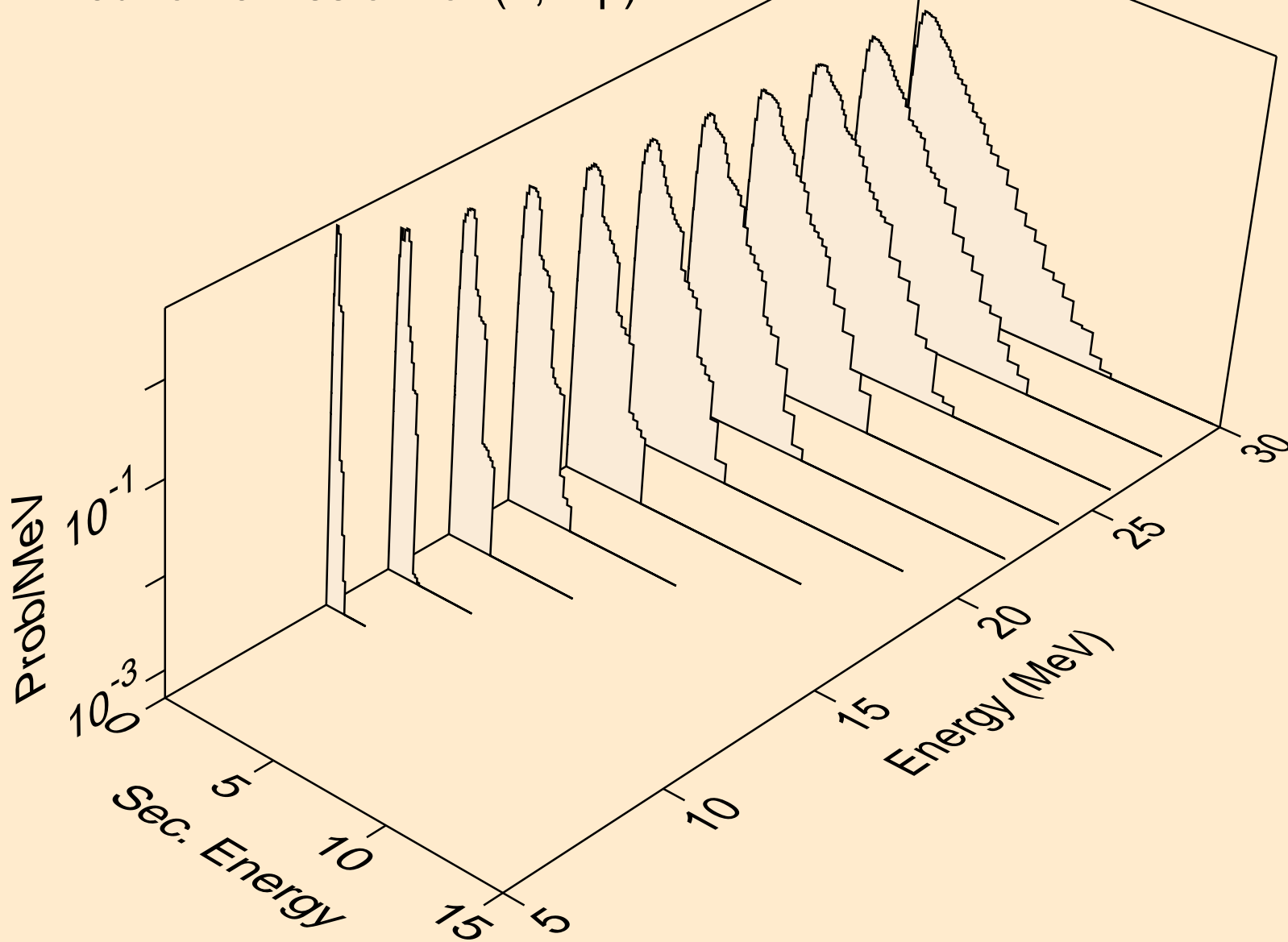
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



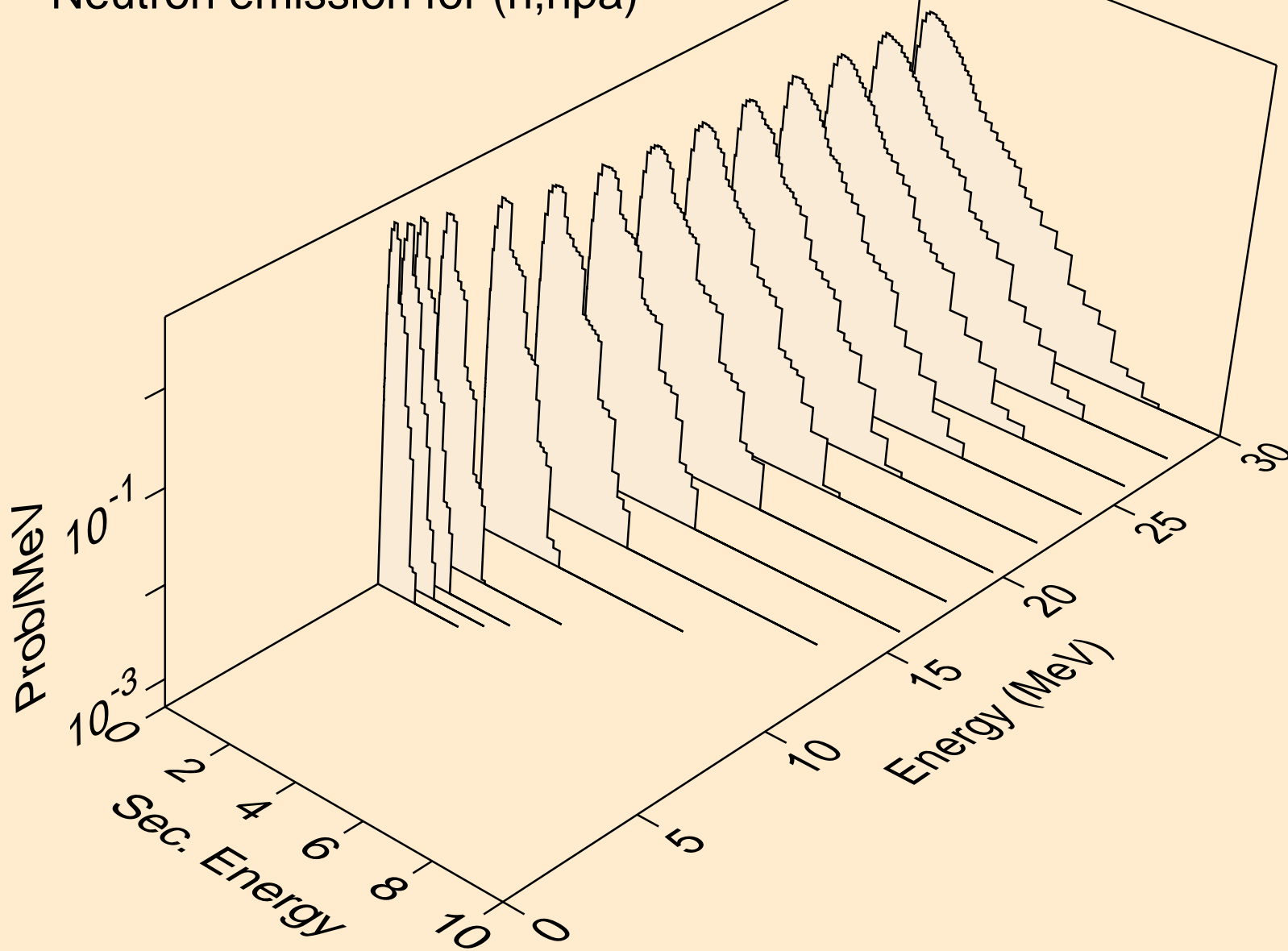
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



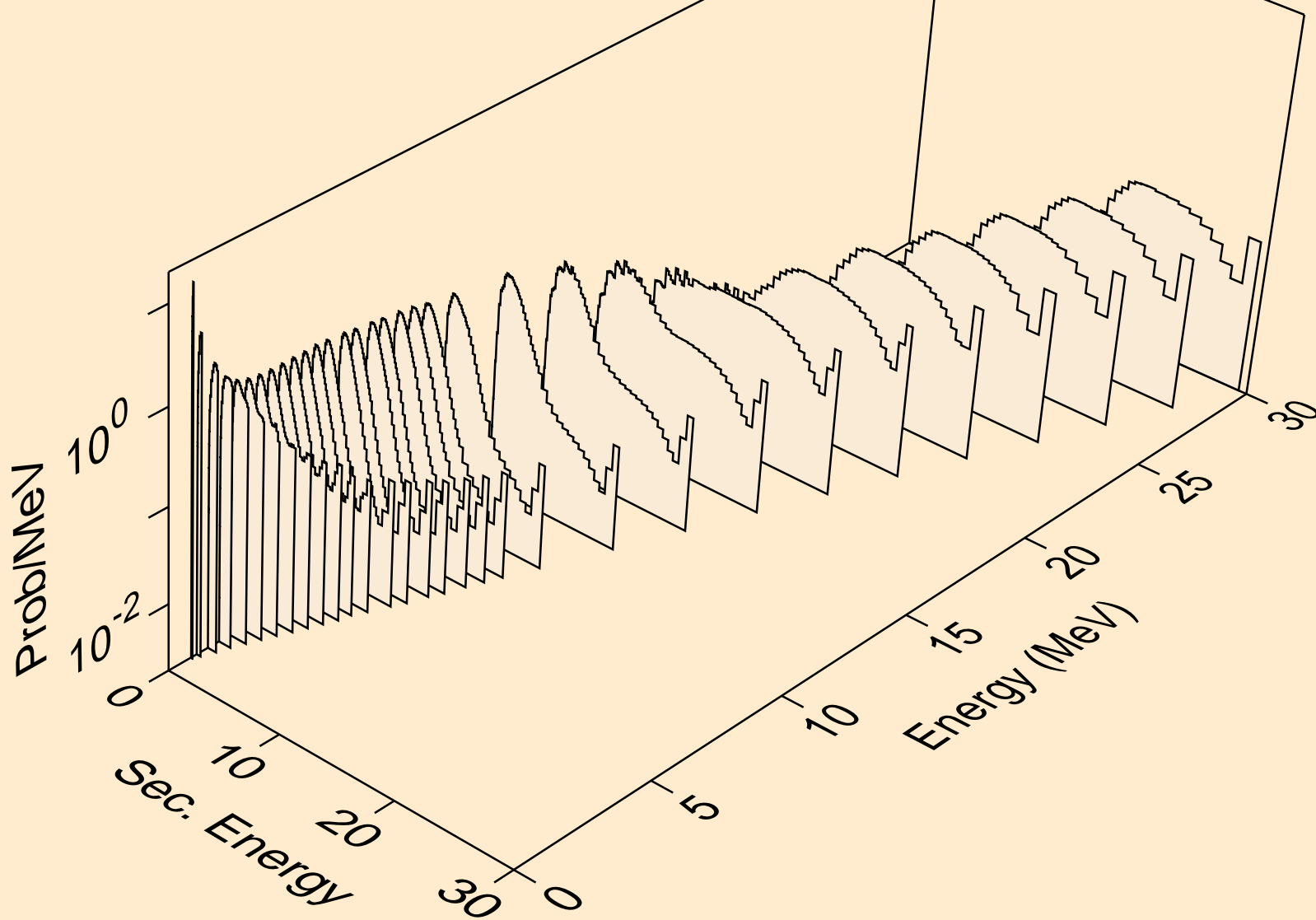
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



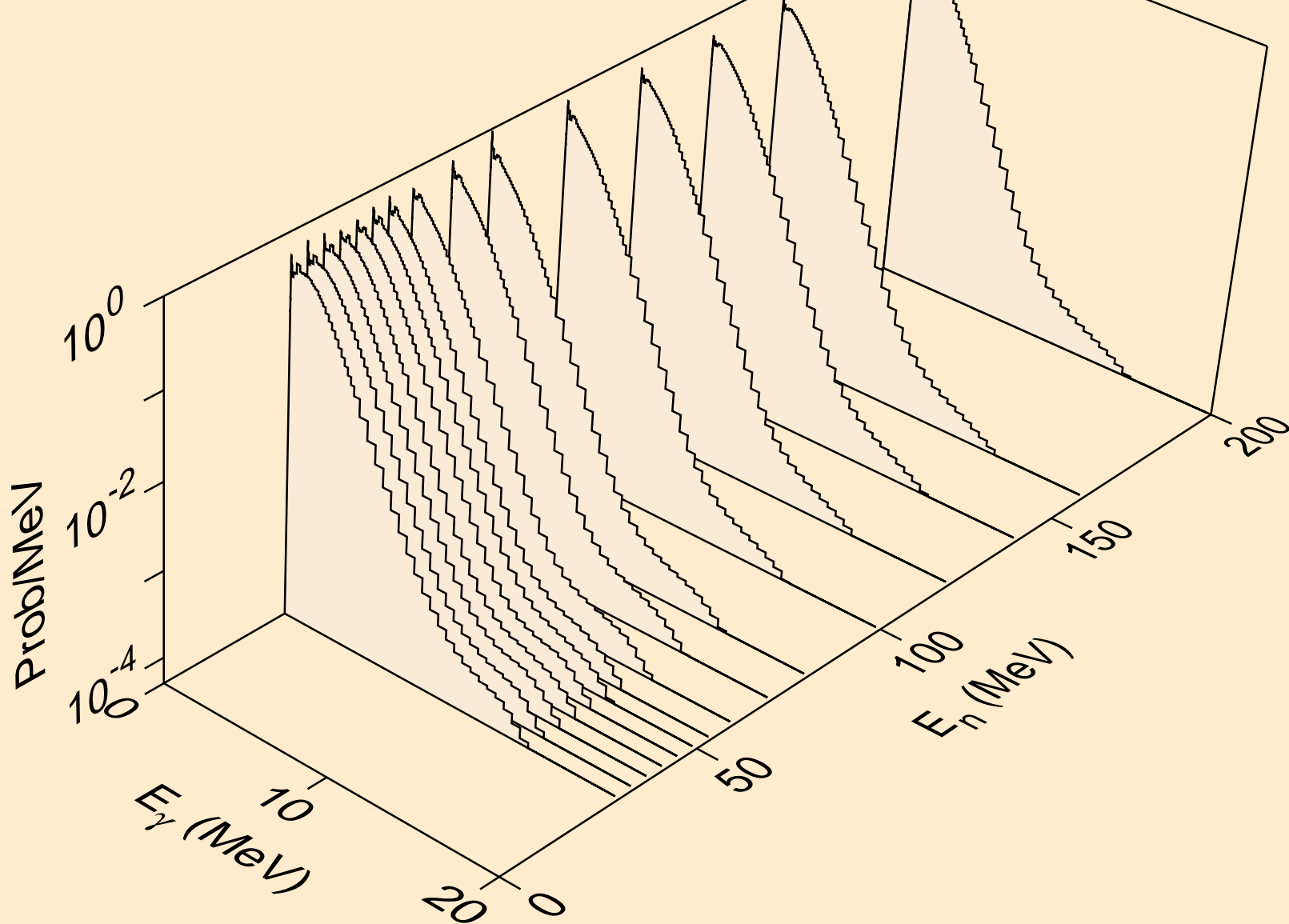
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



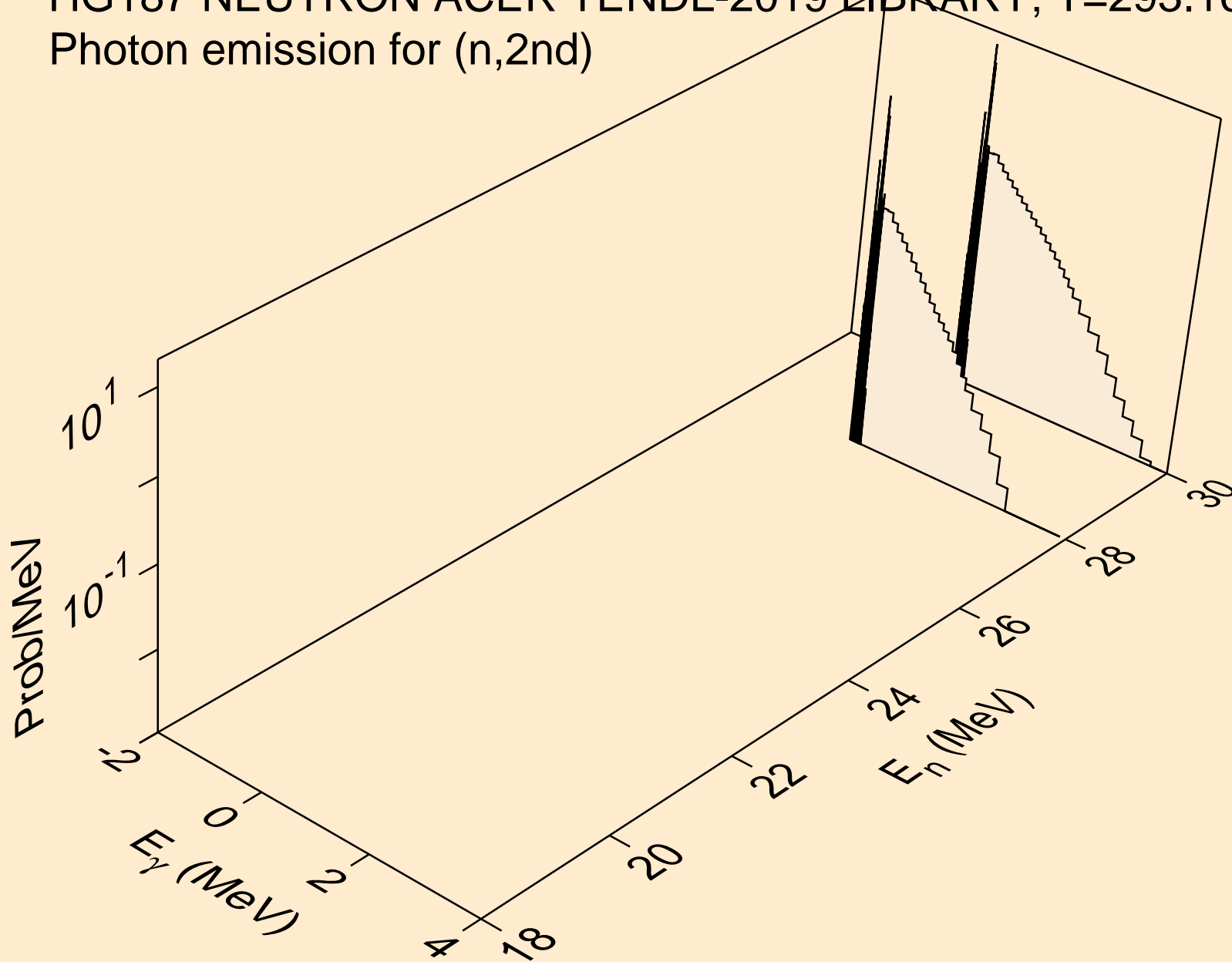
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



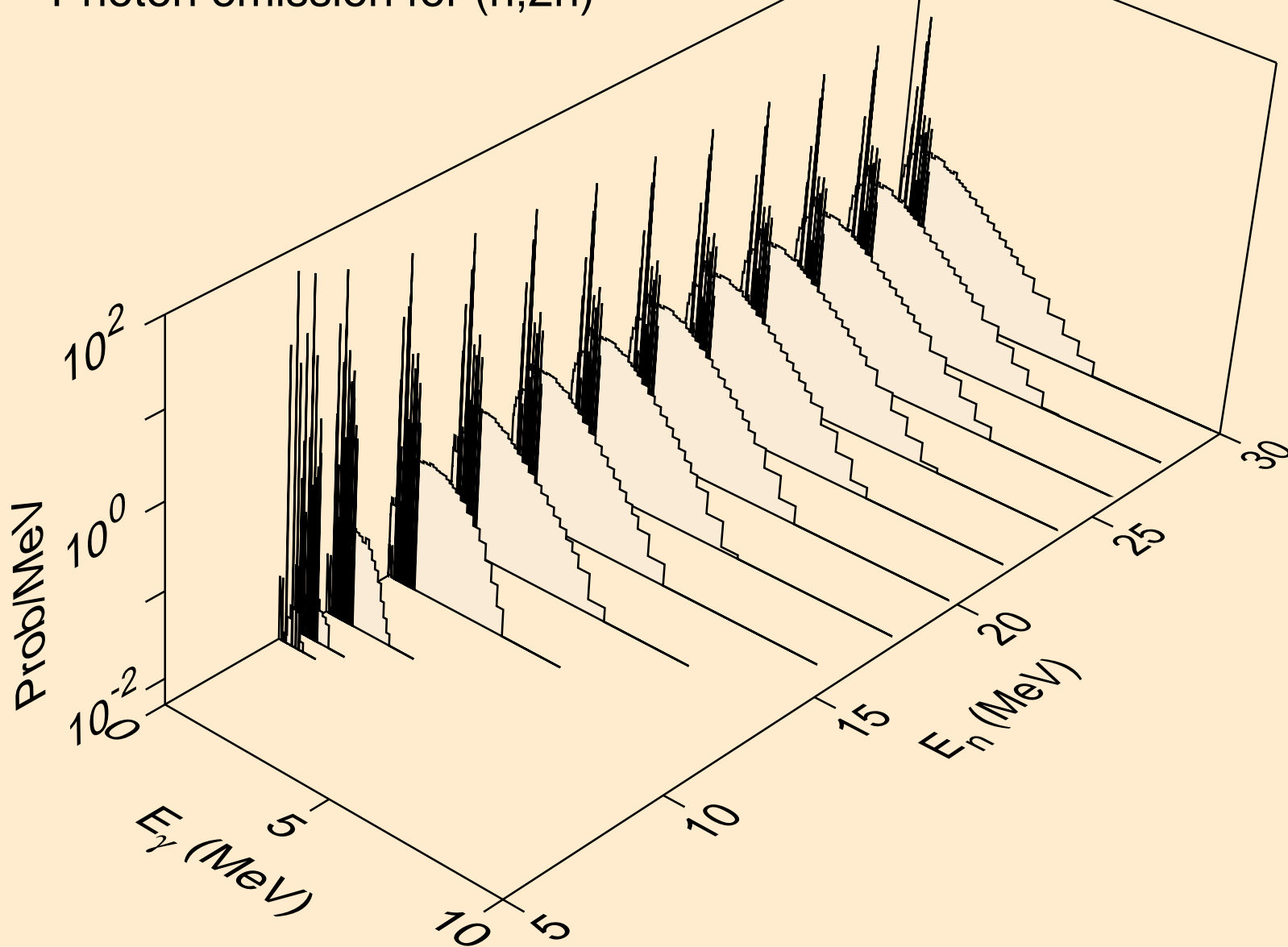
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



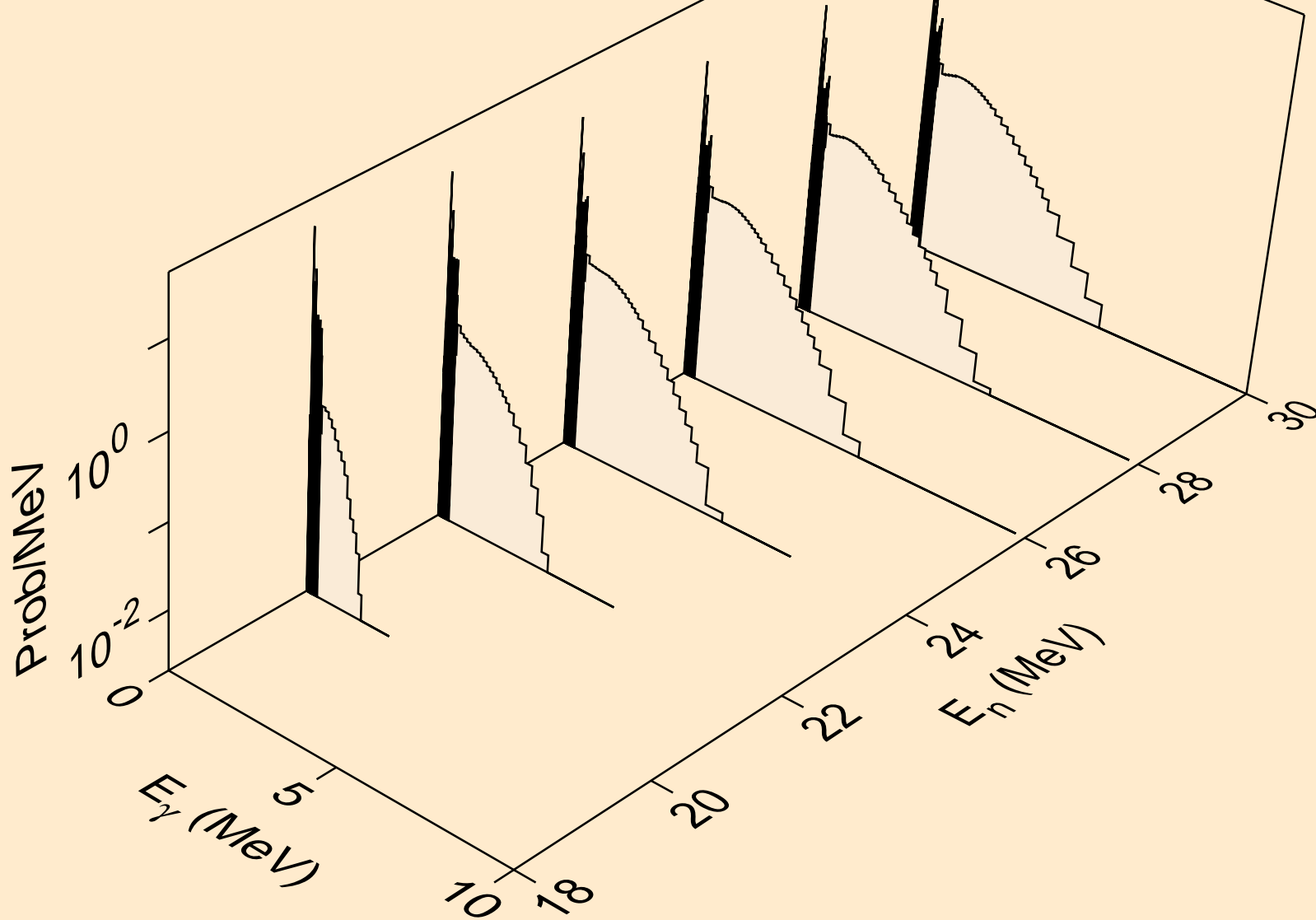
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



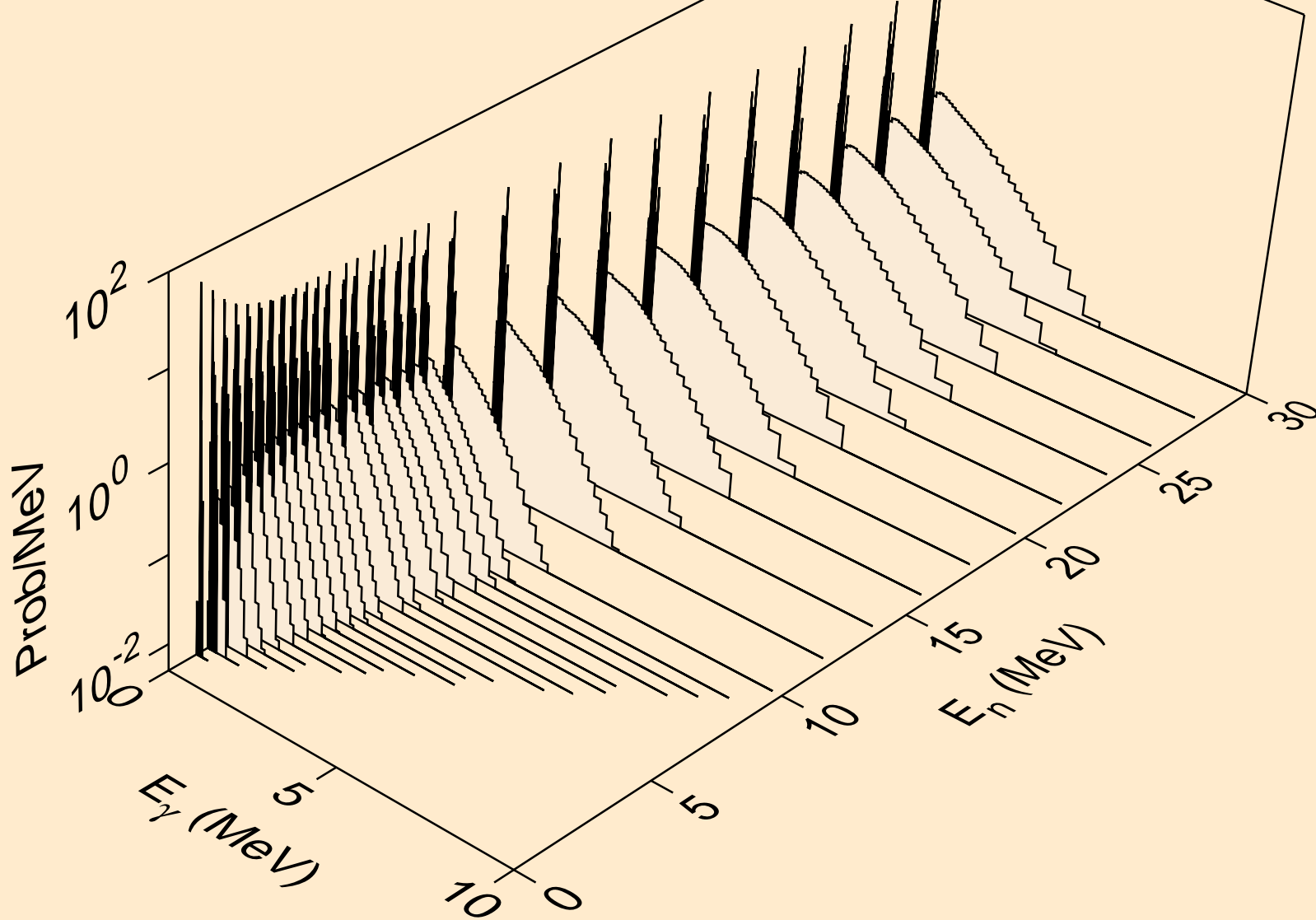
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



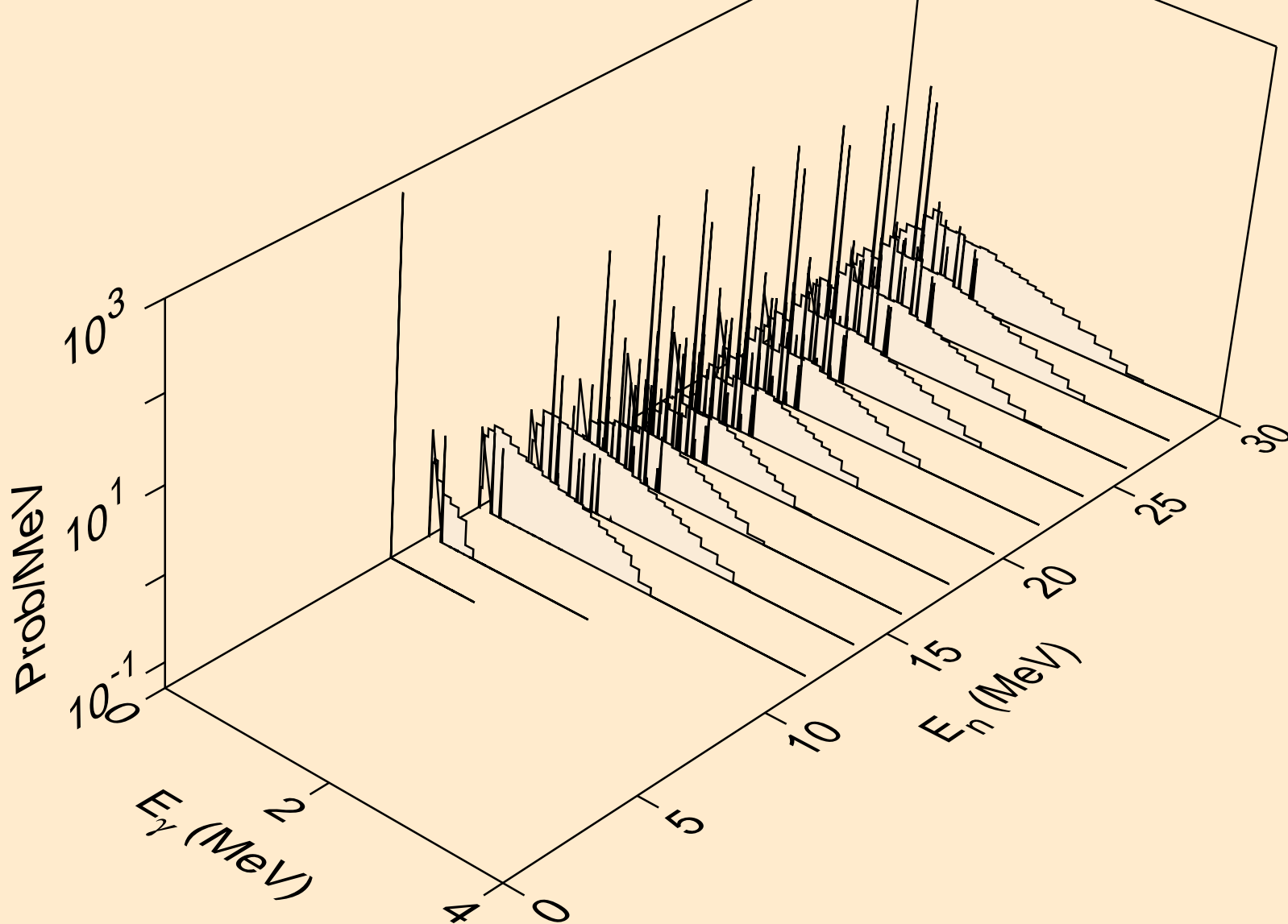
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



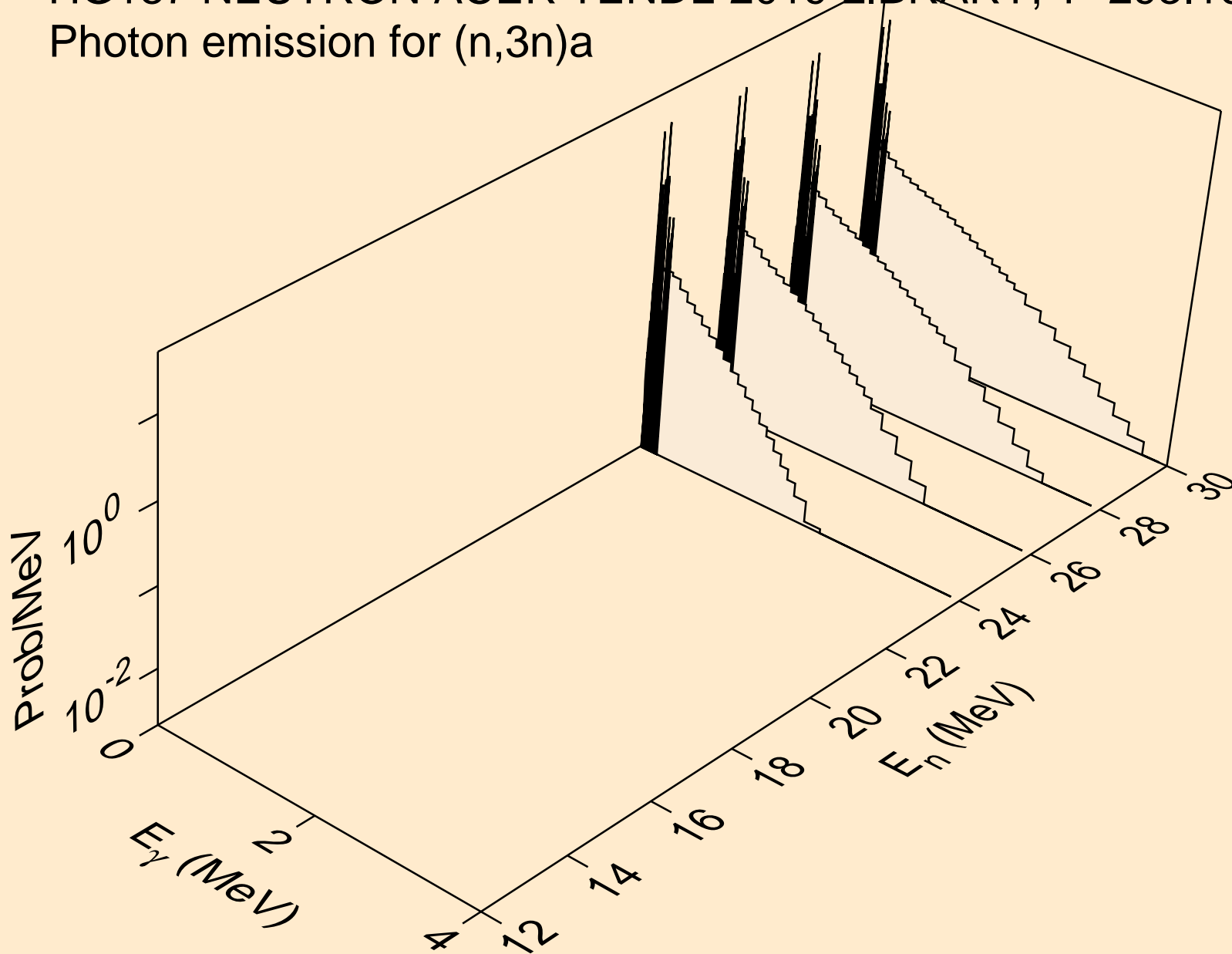
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



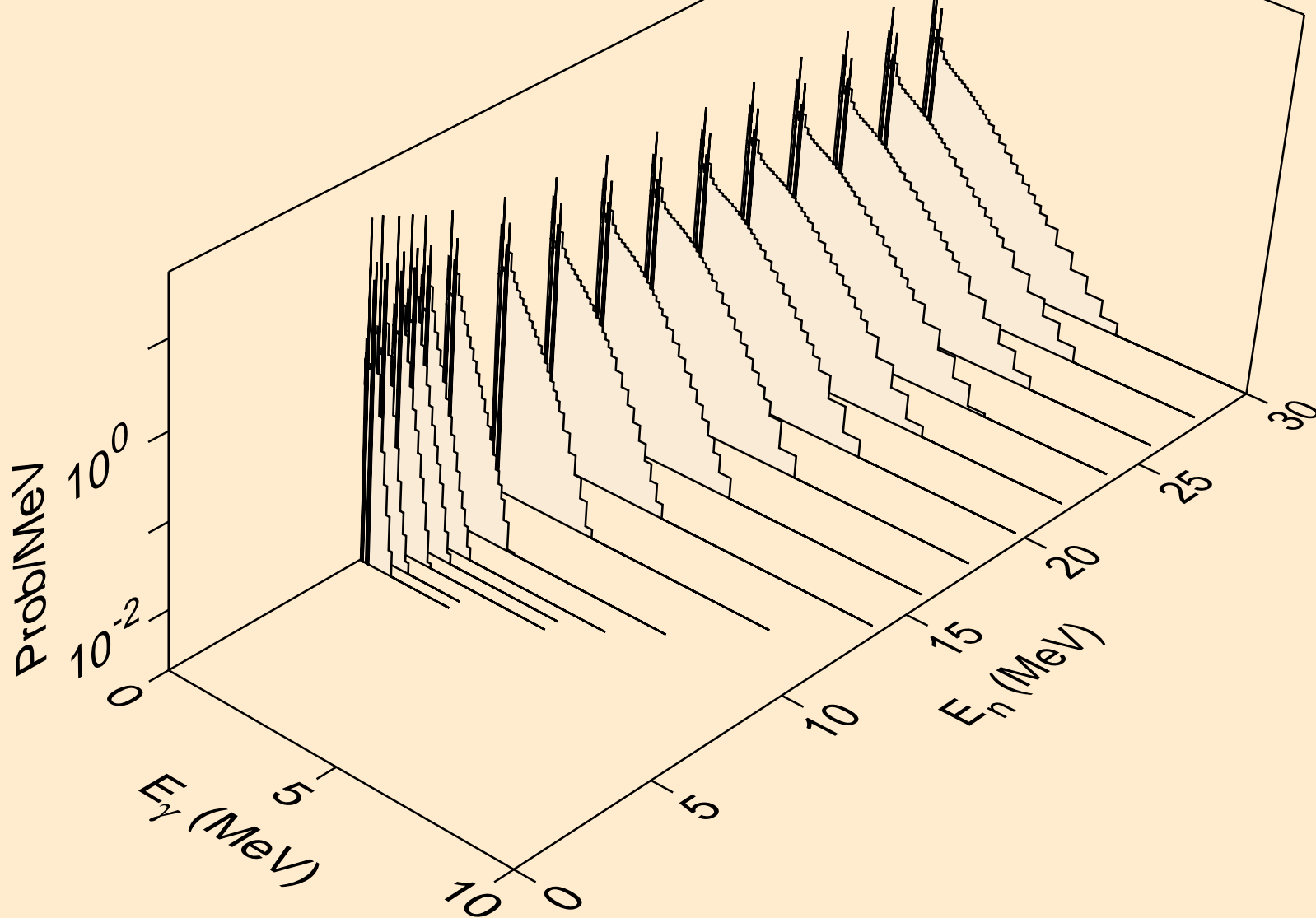
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n) α



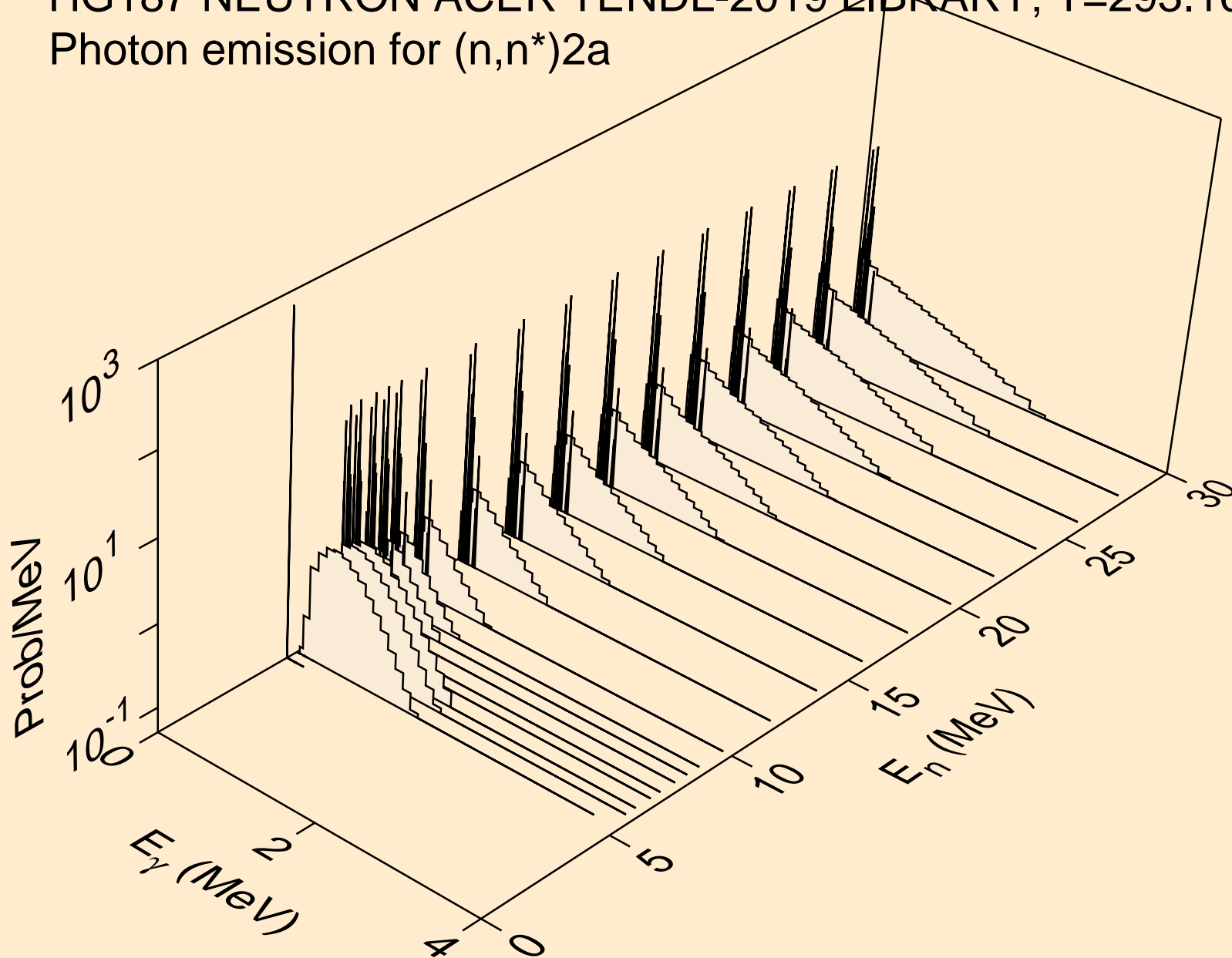
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



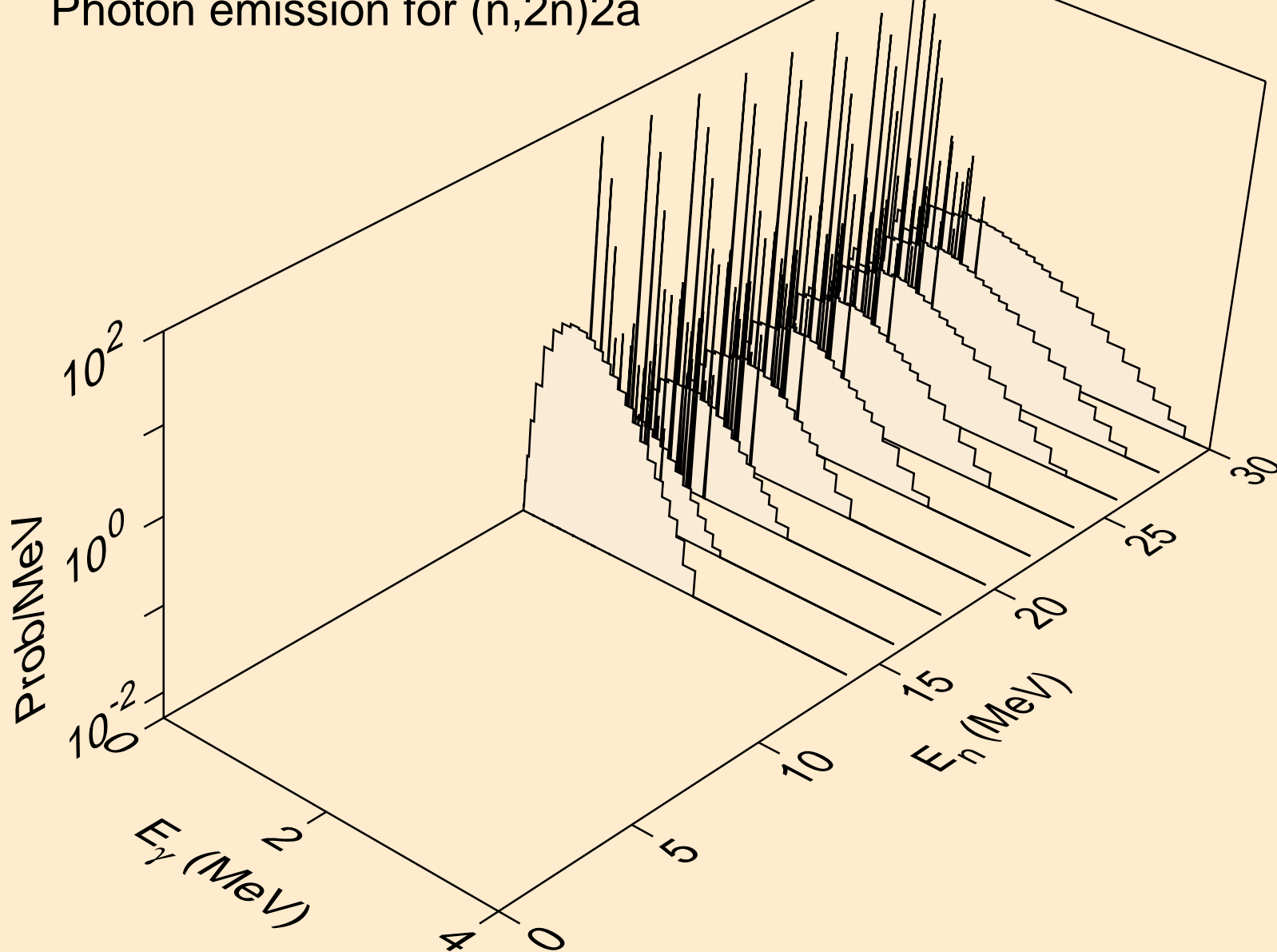
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



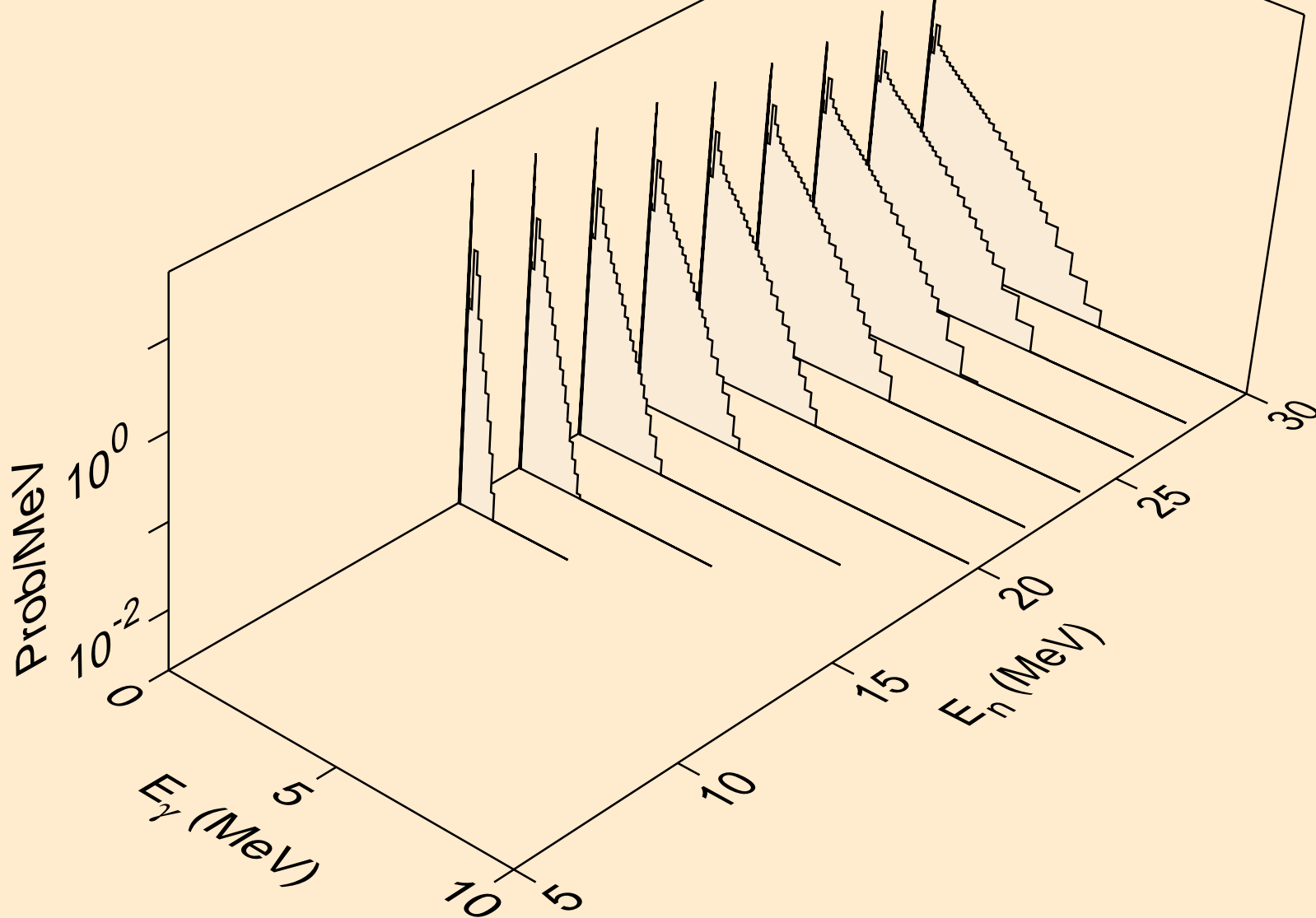
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



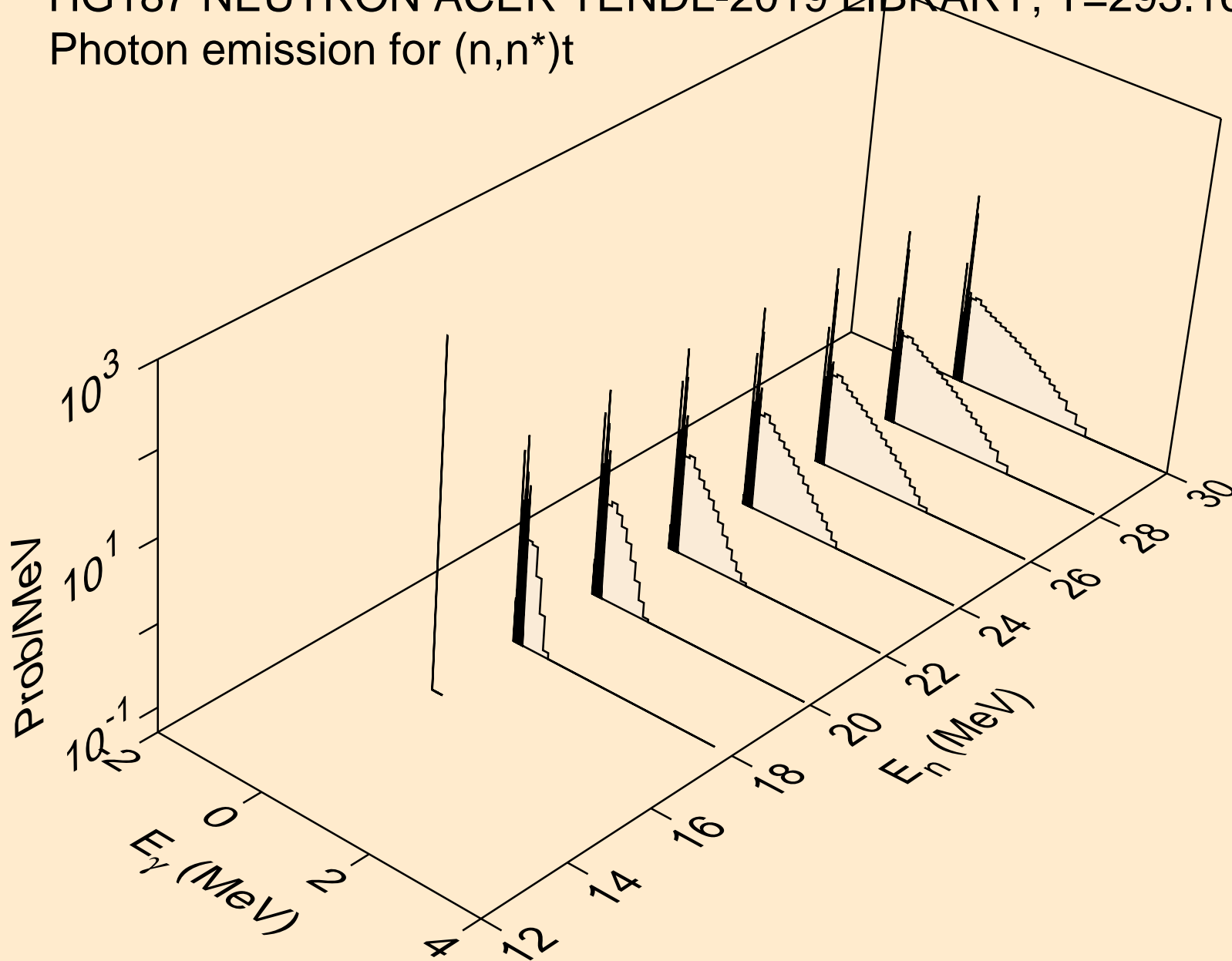
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



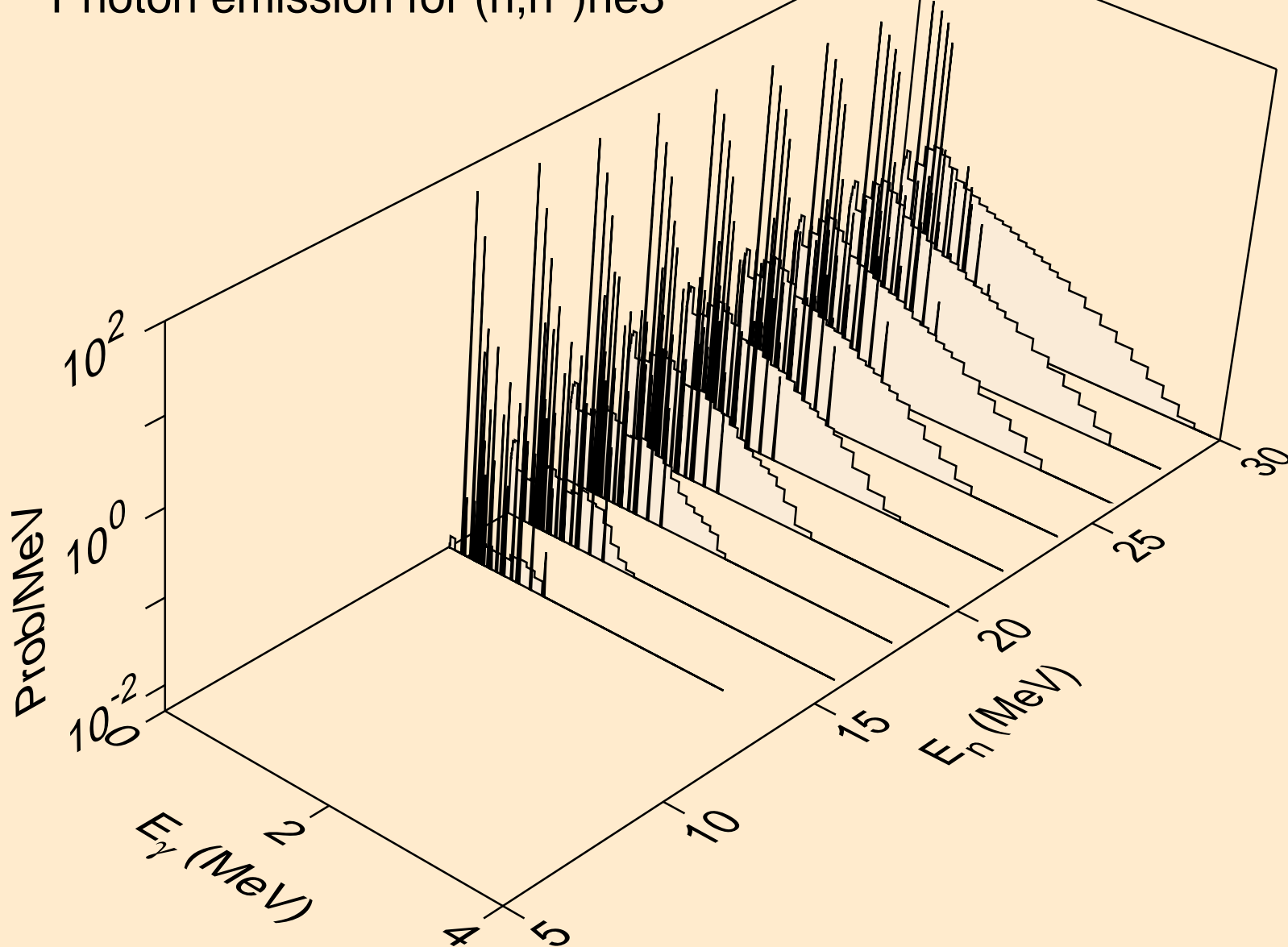
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



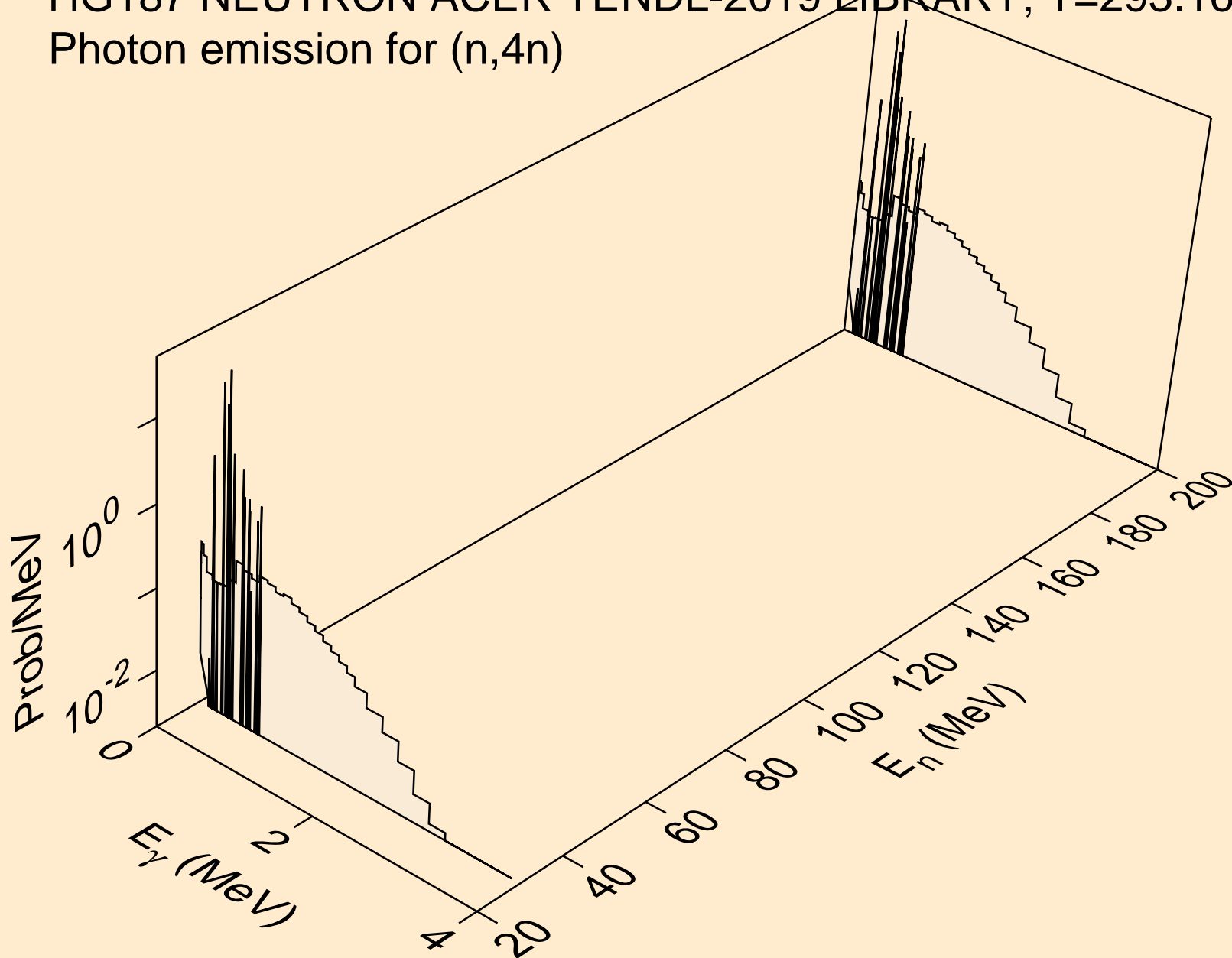
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



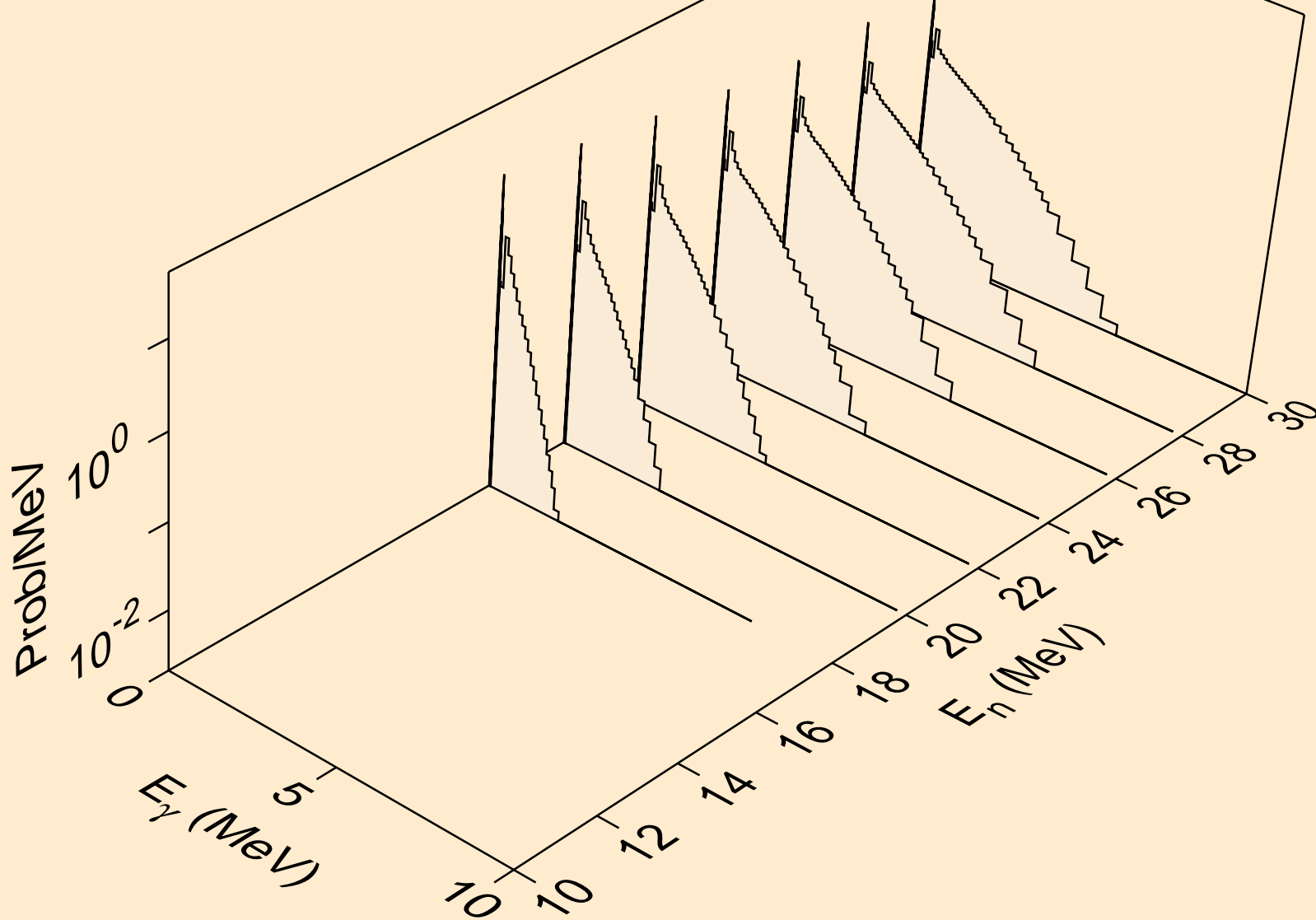
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



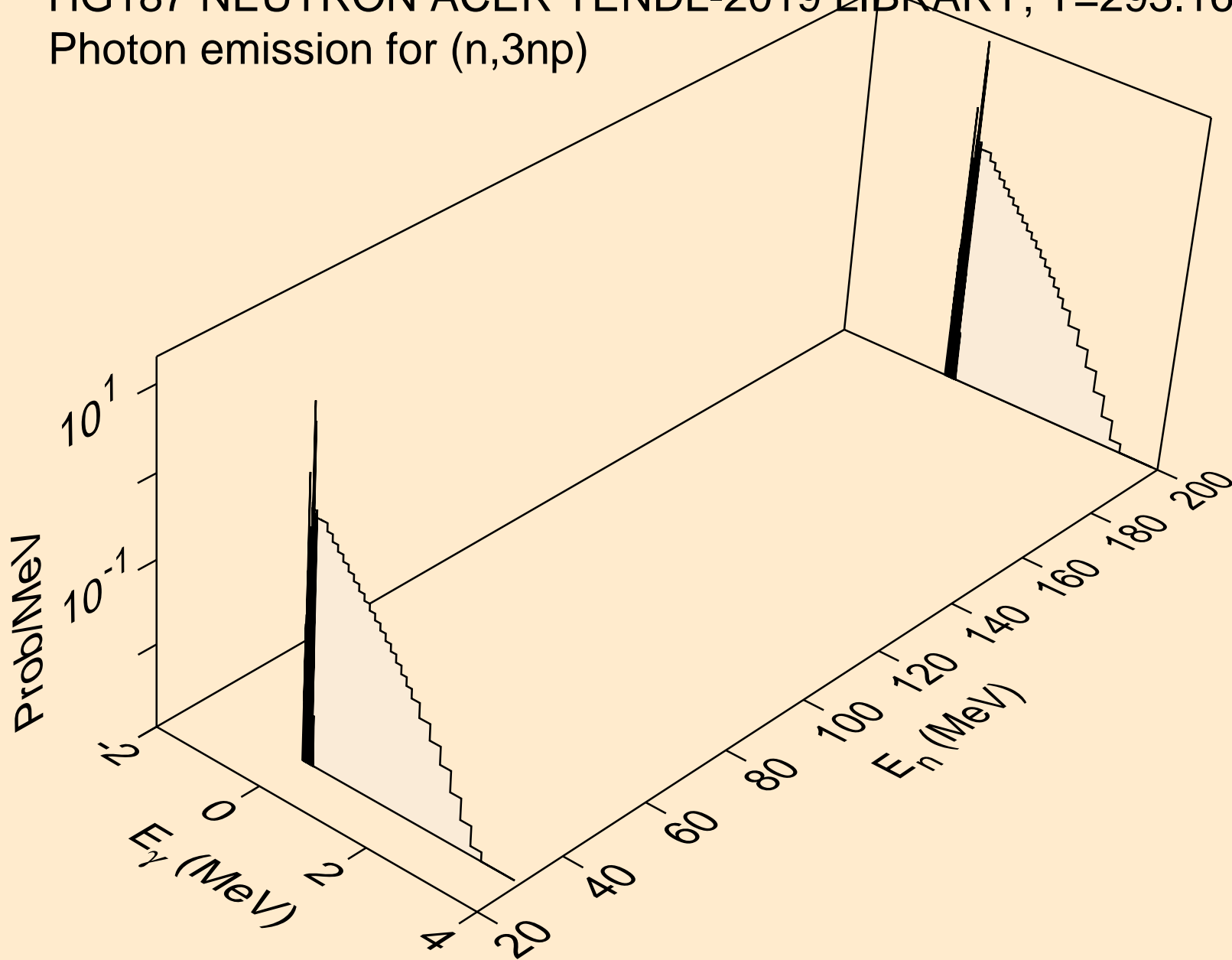
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



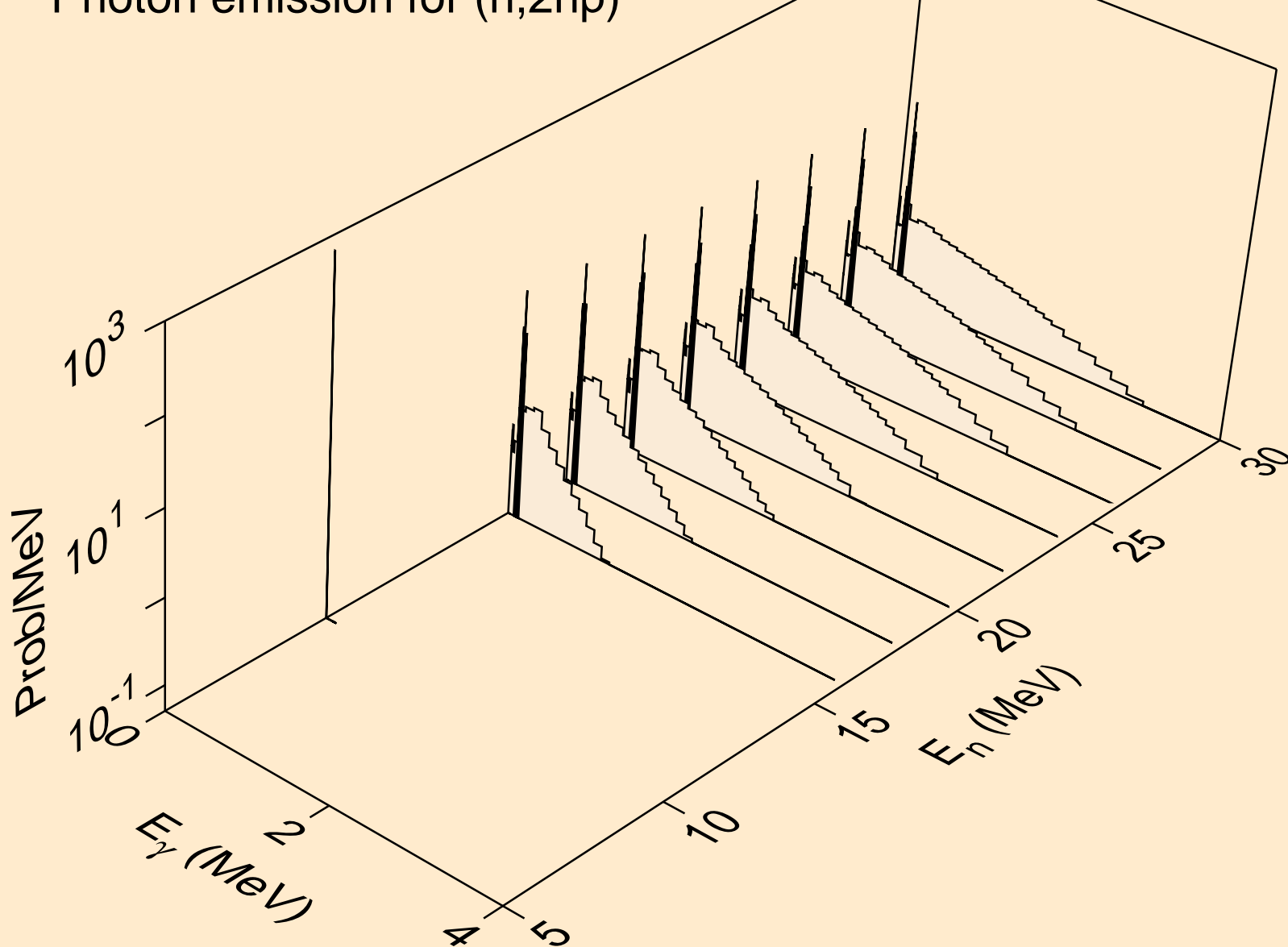
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



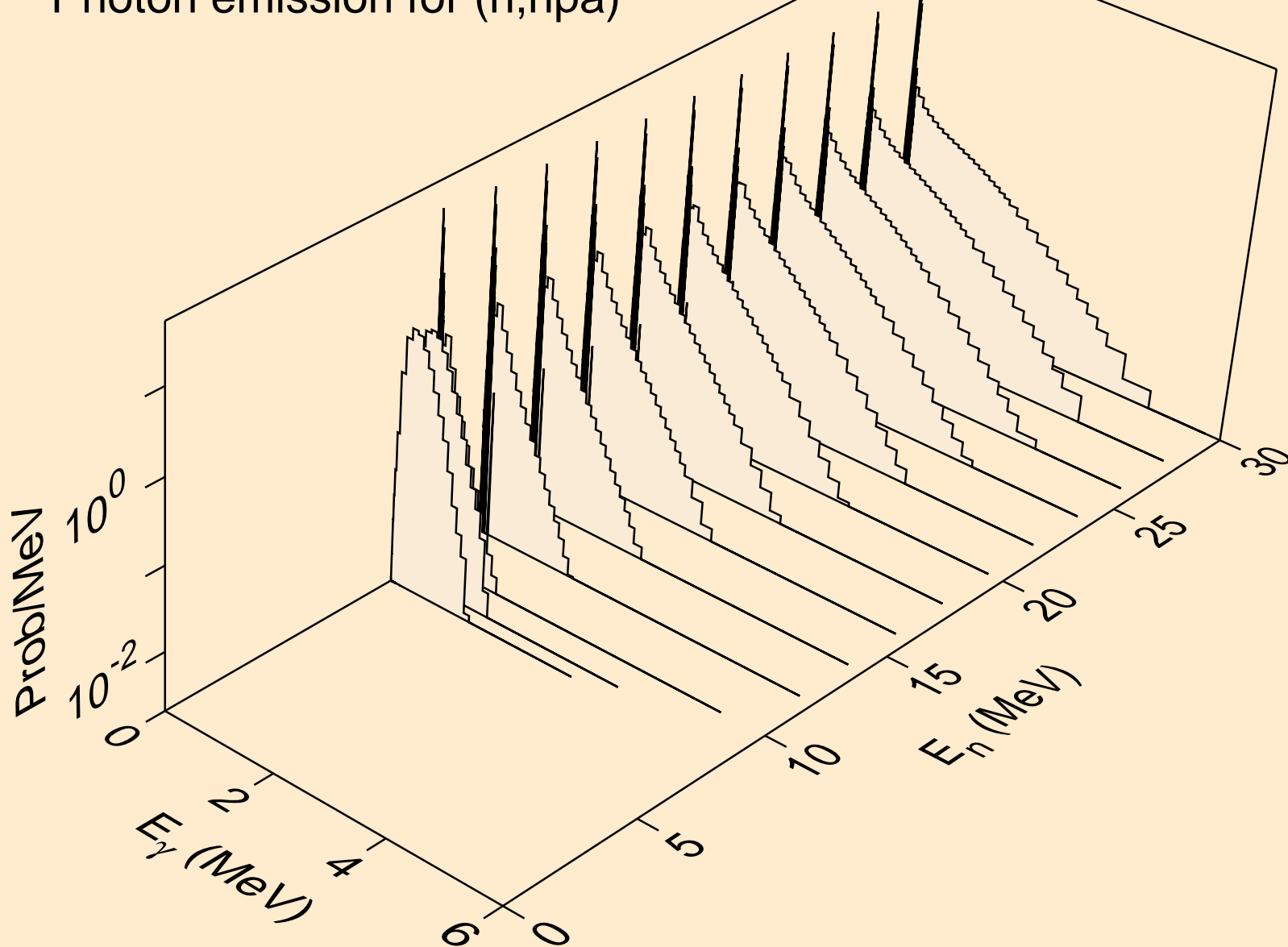
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



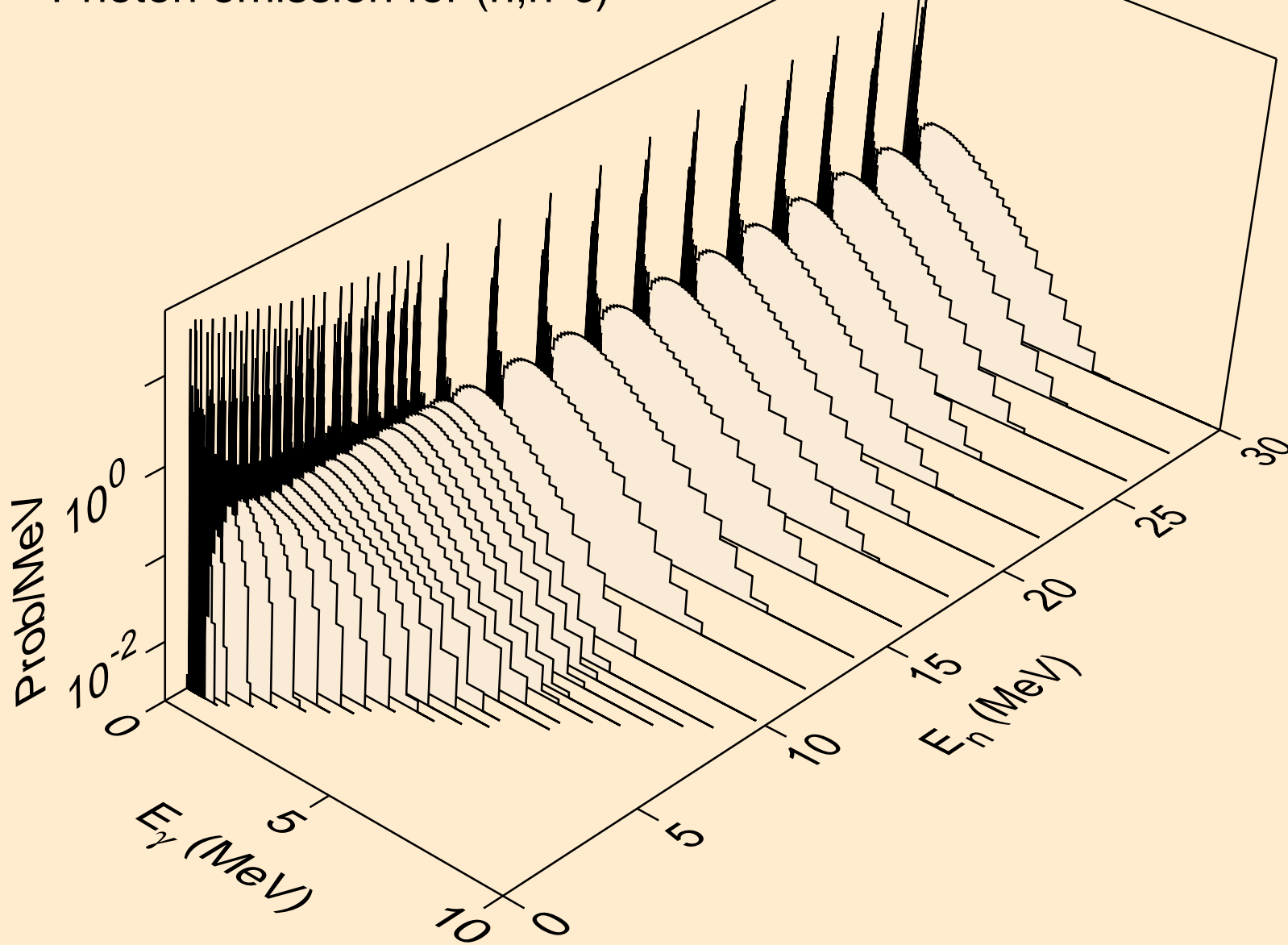
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



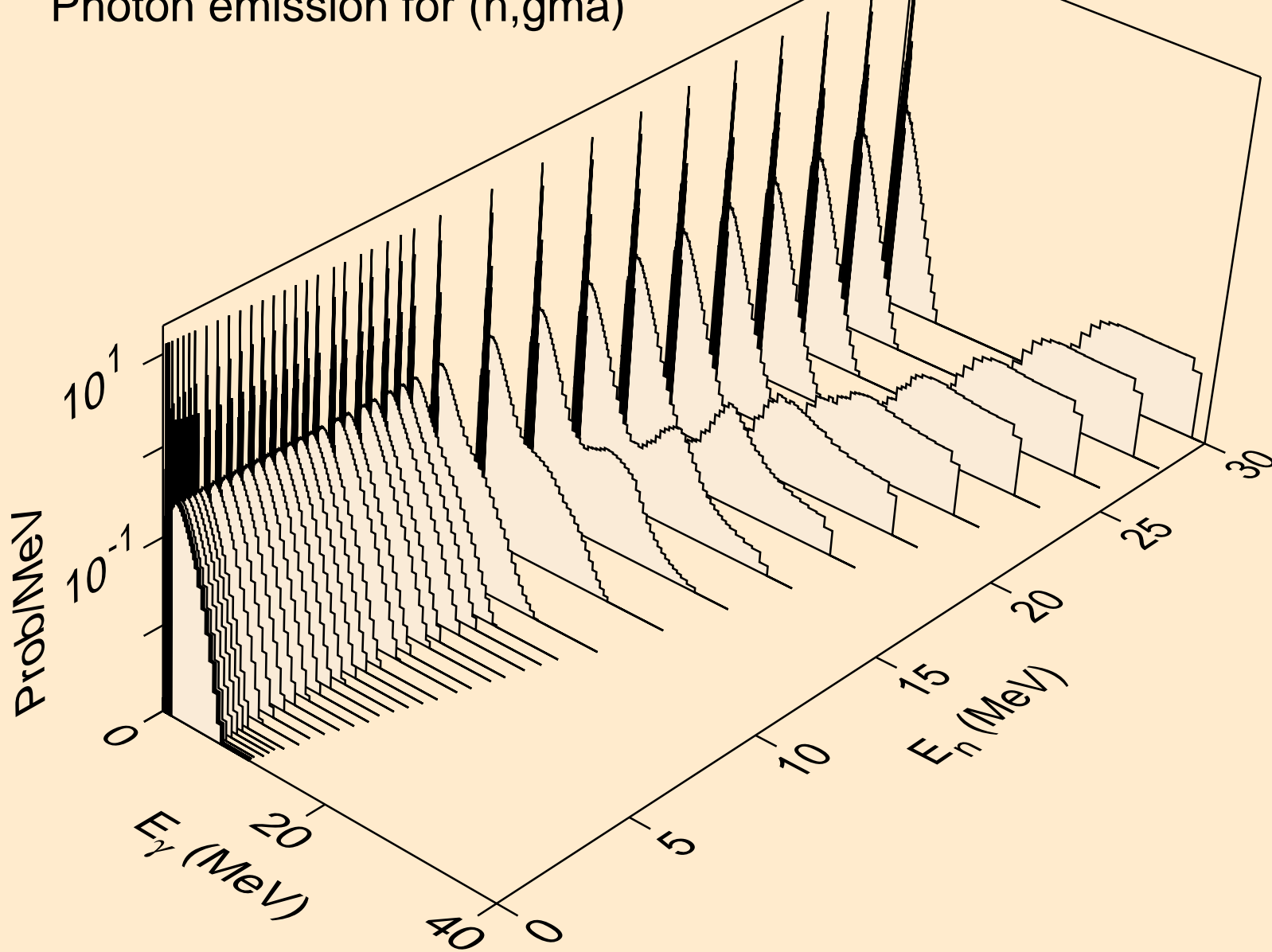
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



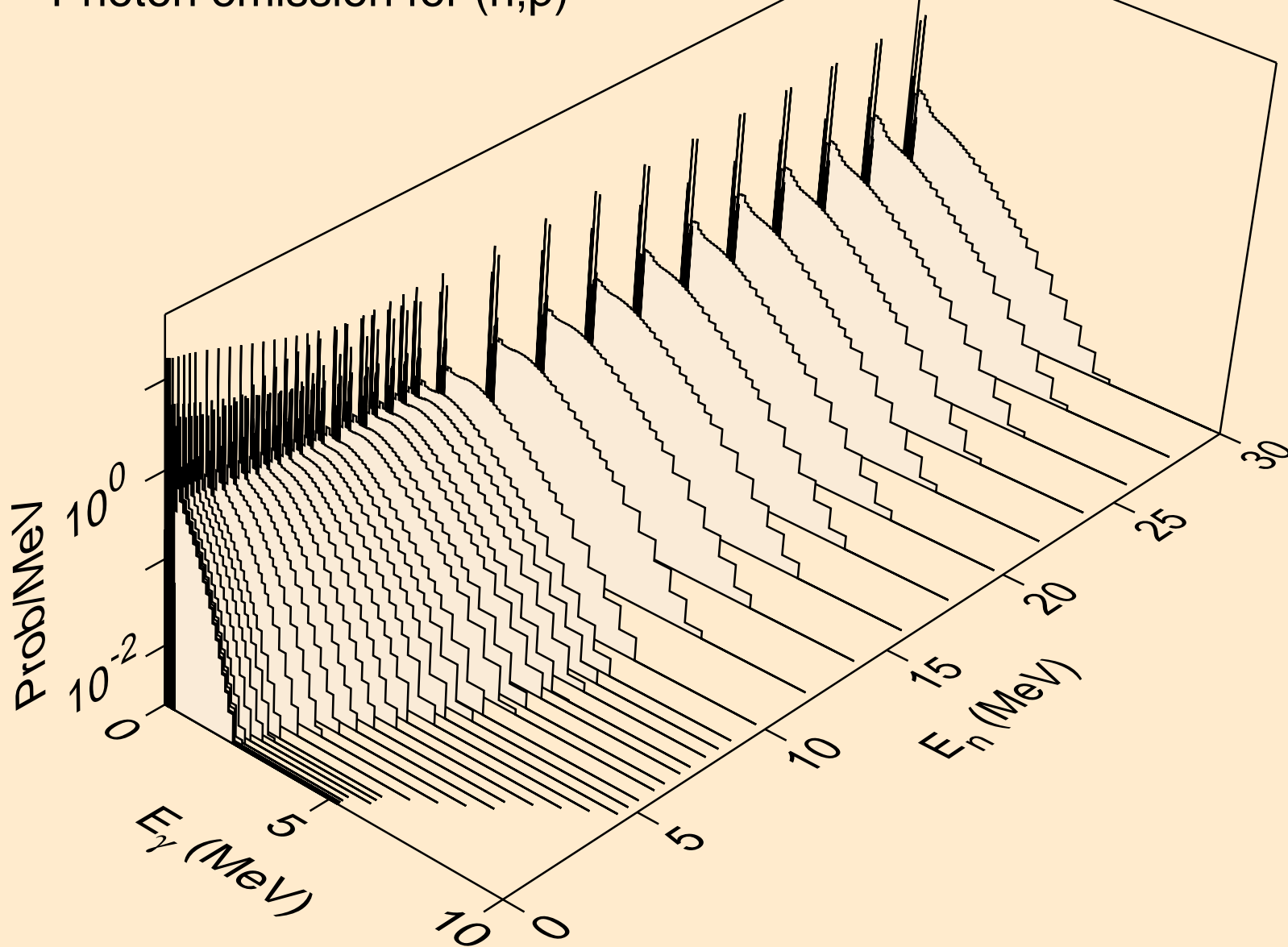
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



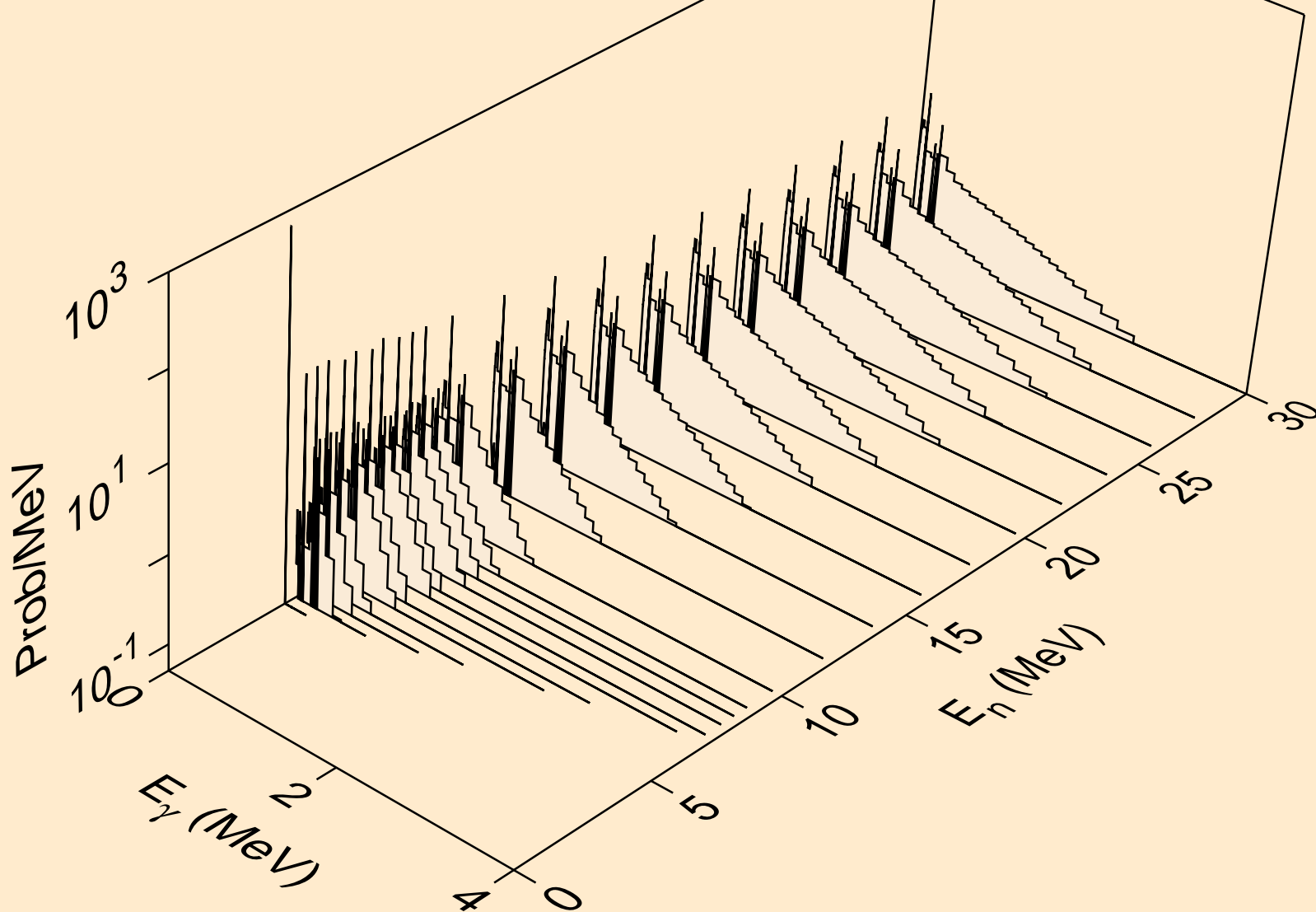
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Photon emission for (n,gma)



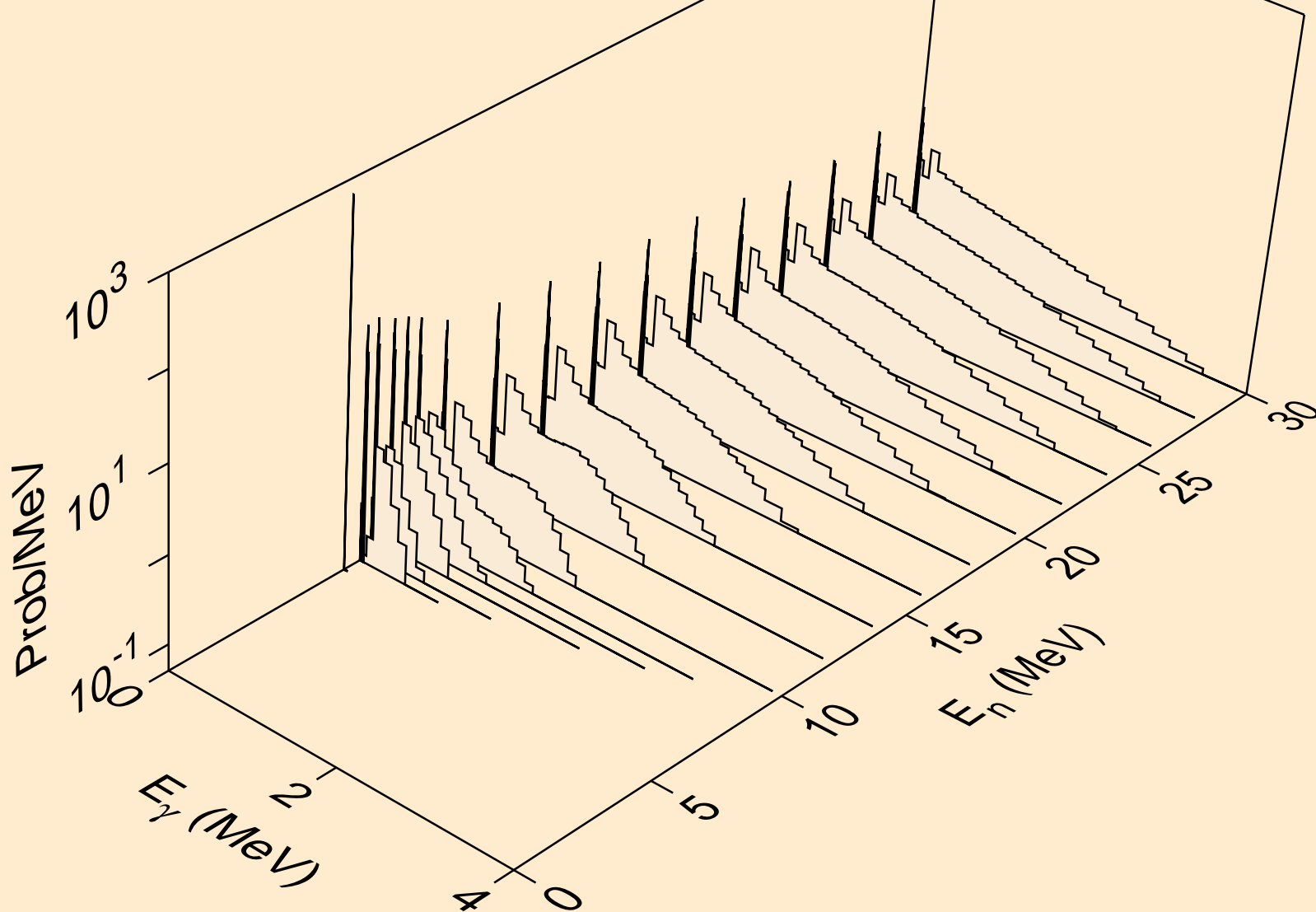
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



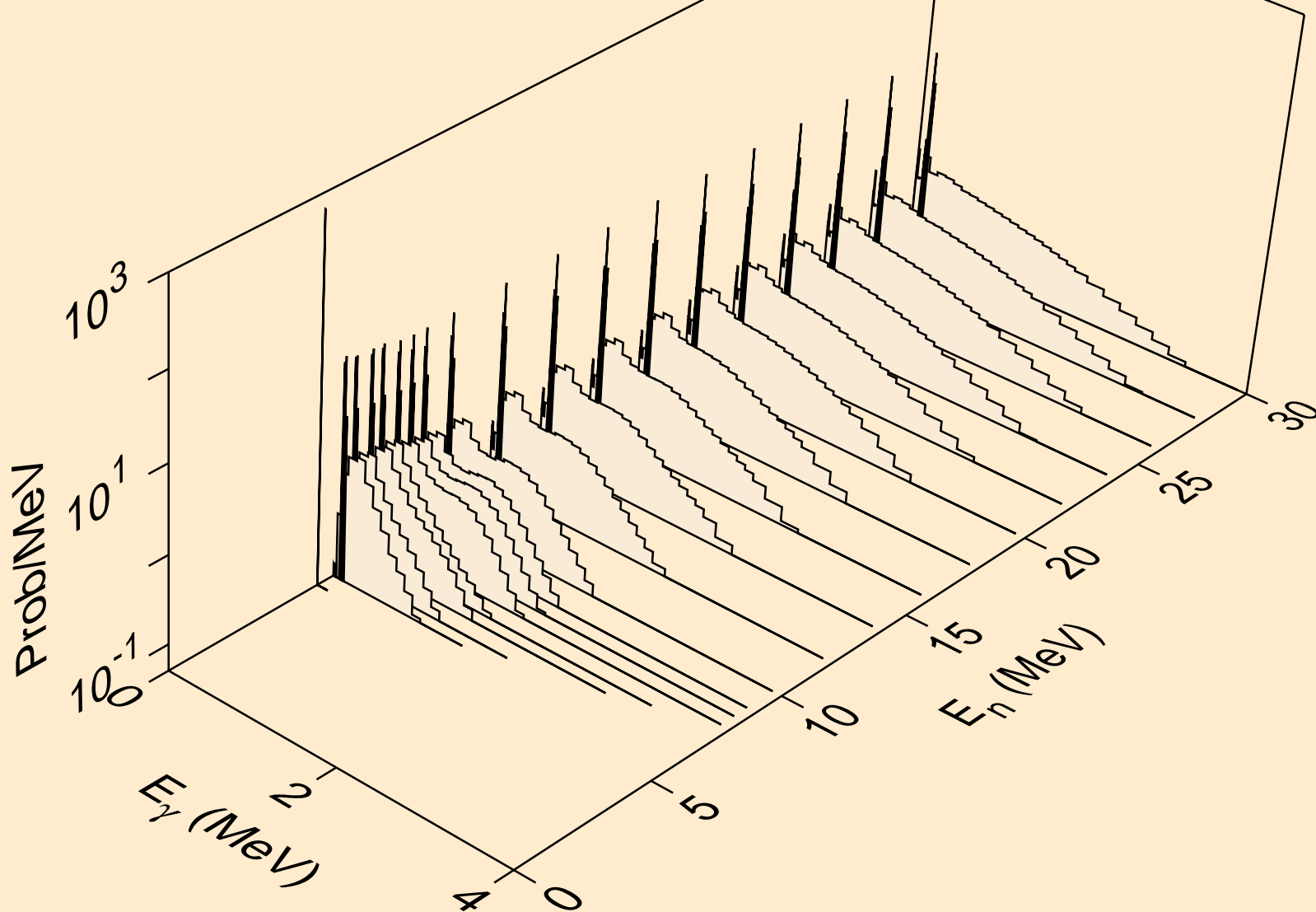
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Photon emission for (n,d)



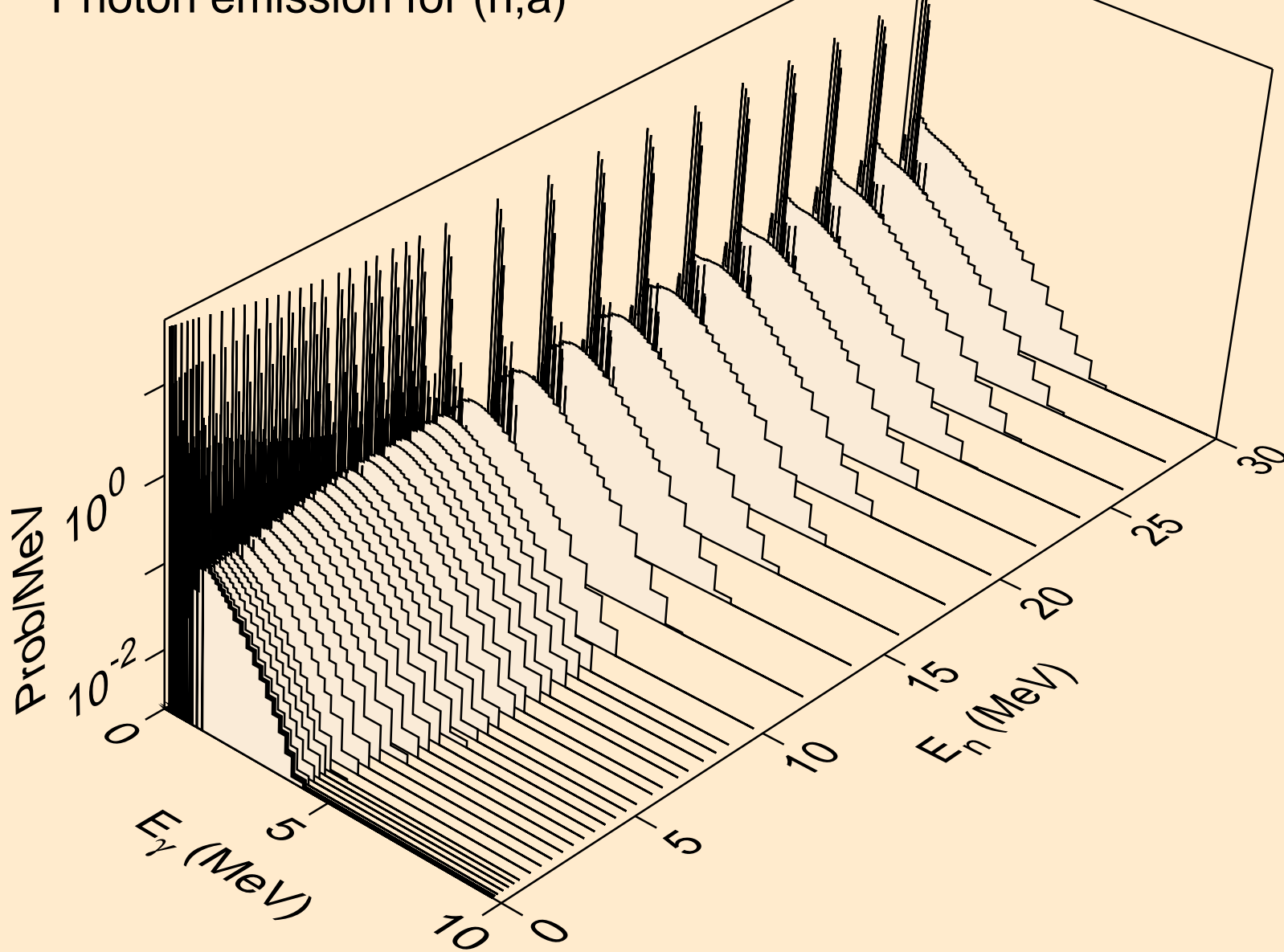
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Photon emission for (n,t)



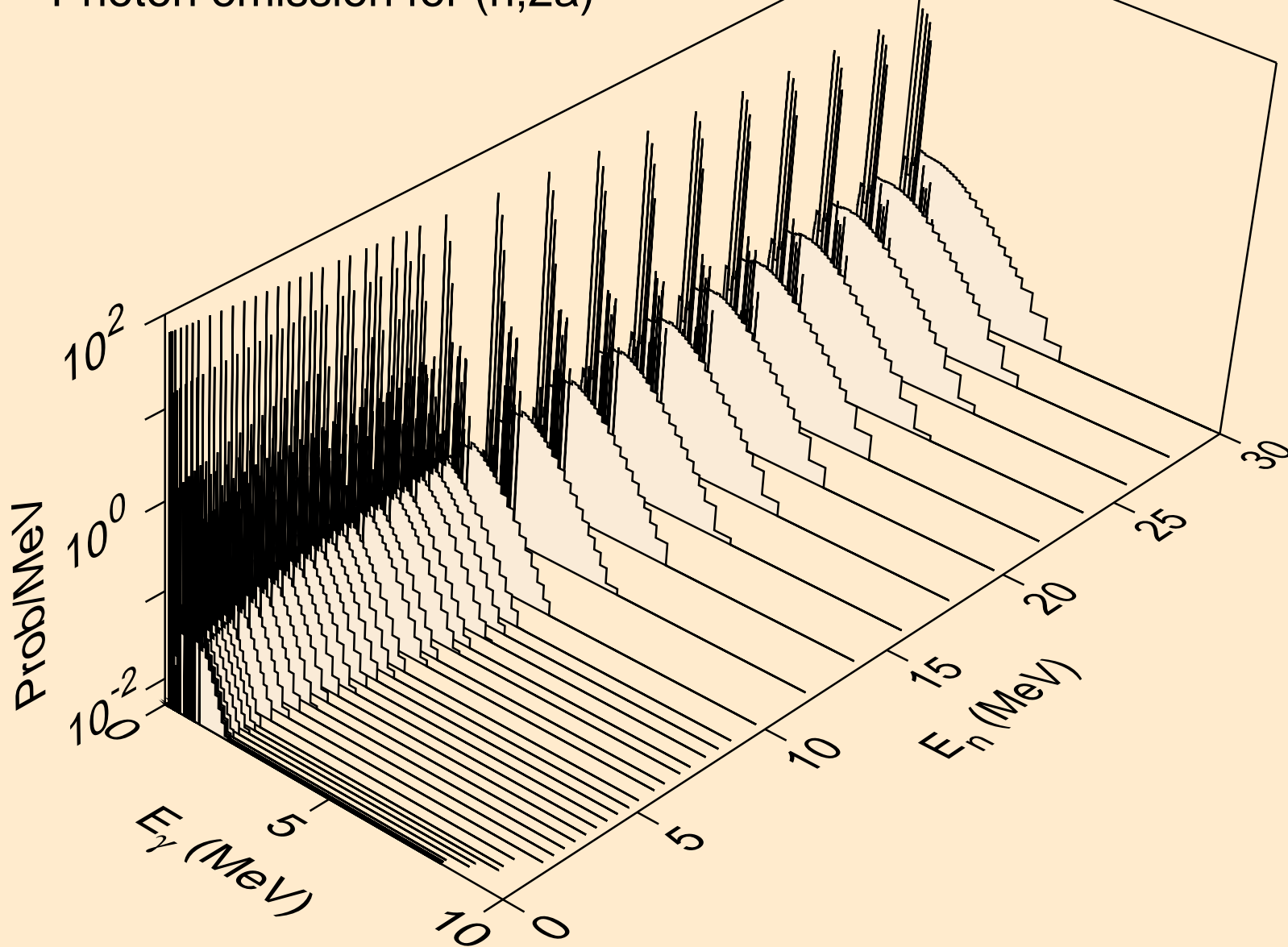
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



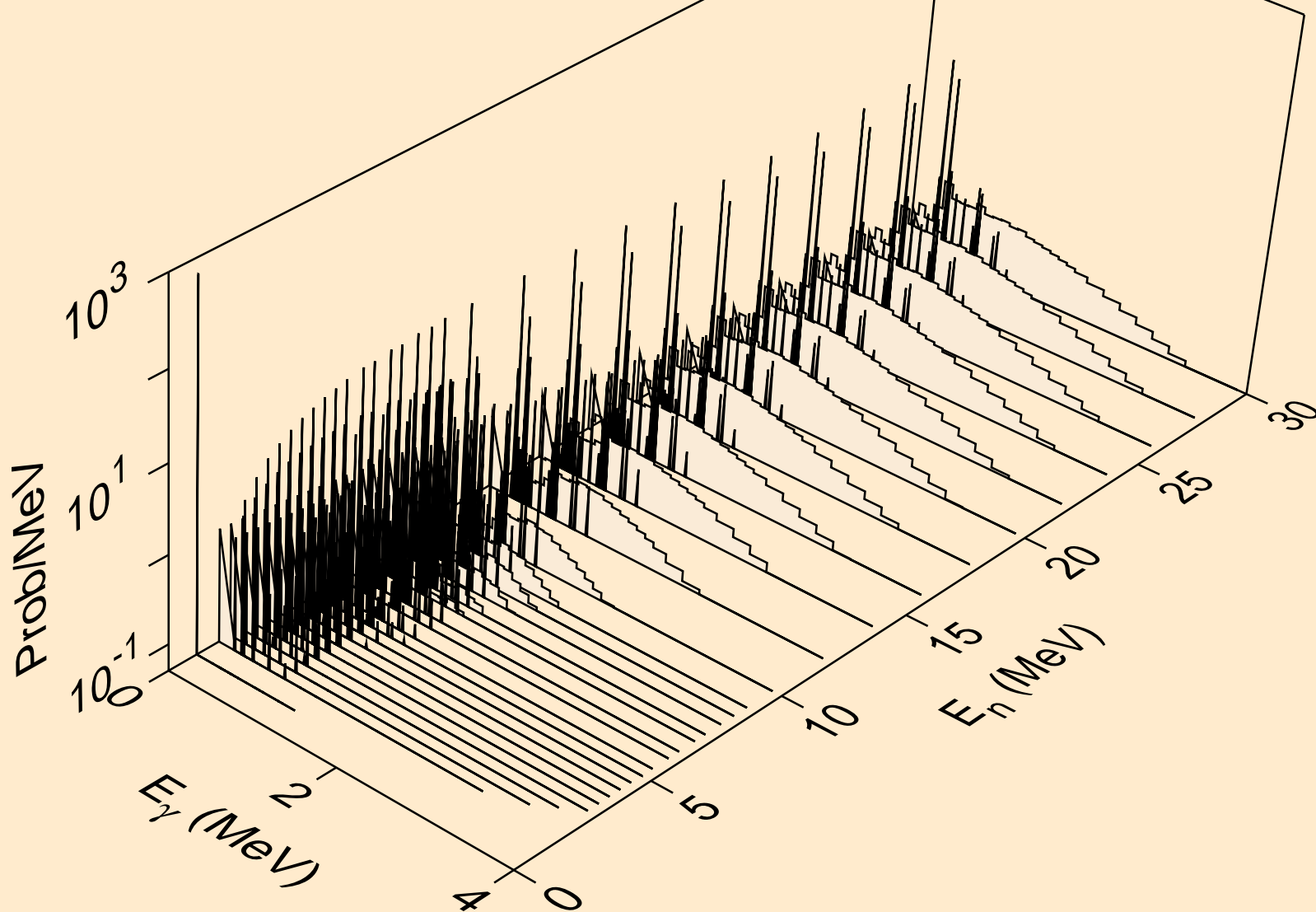
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Photon emission for (n,a)



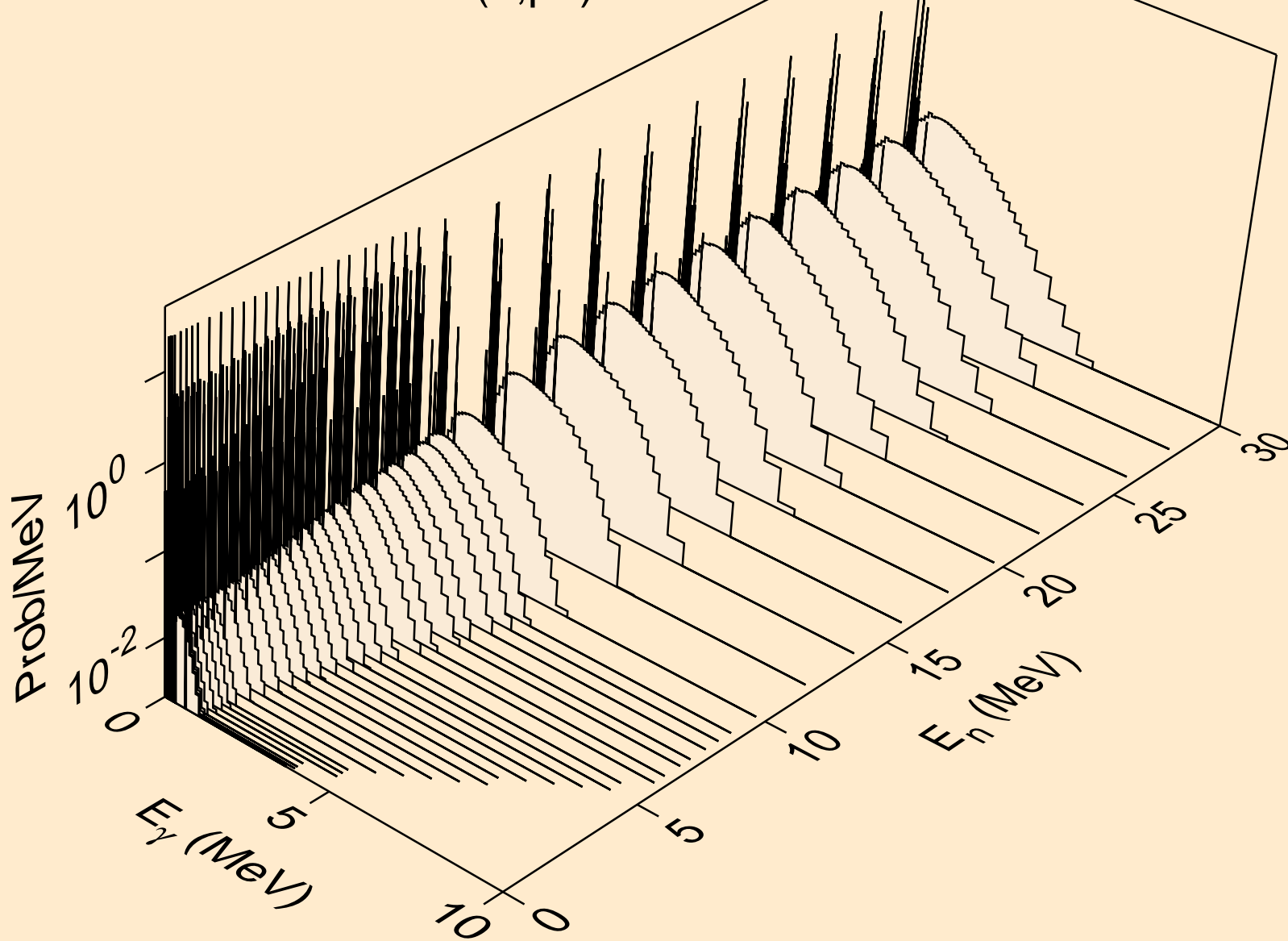
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Photon emission for (n,2a)



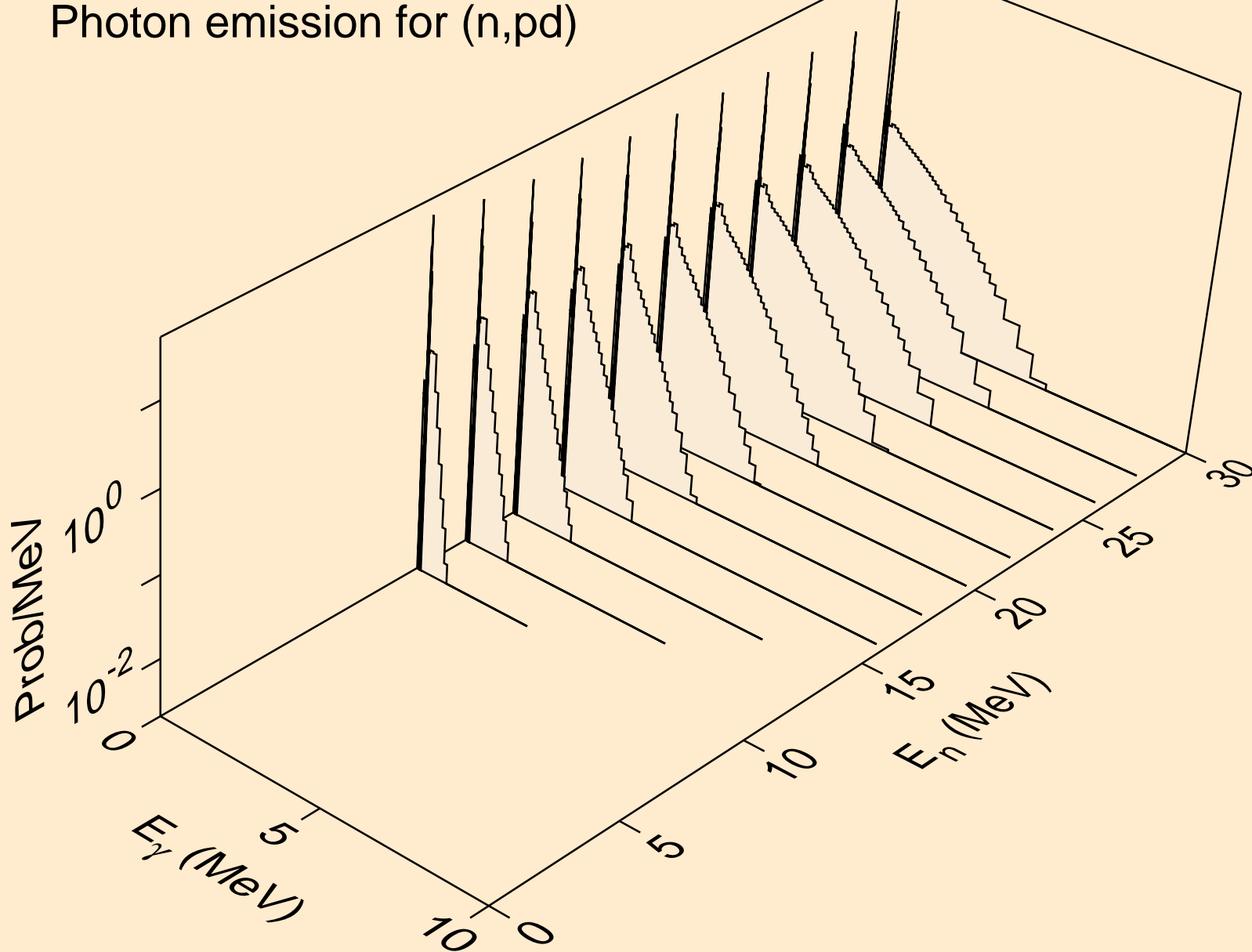
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Photon emission for (n,2p)



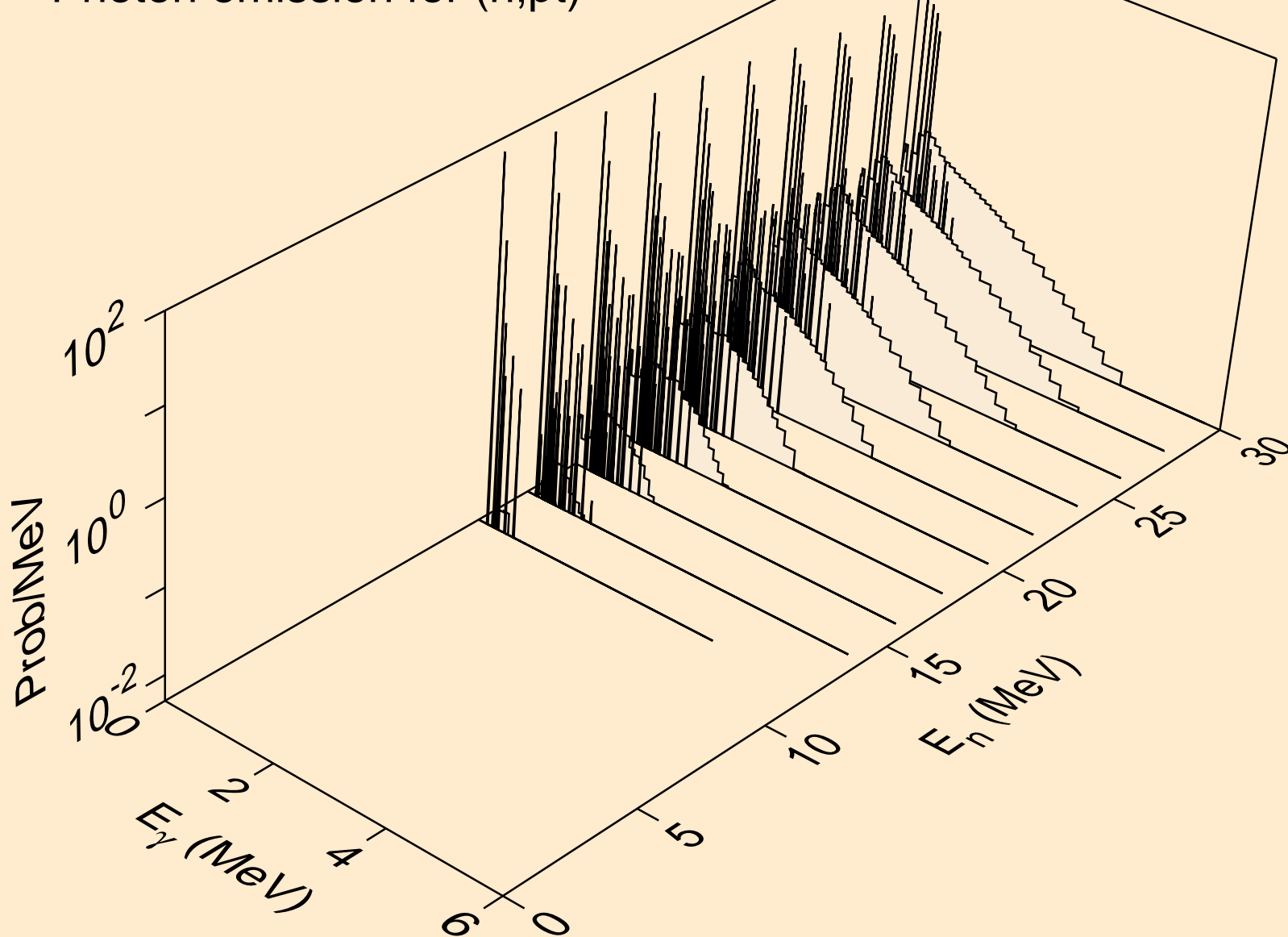
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



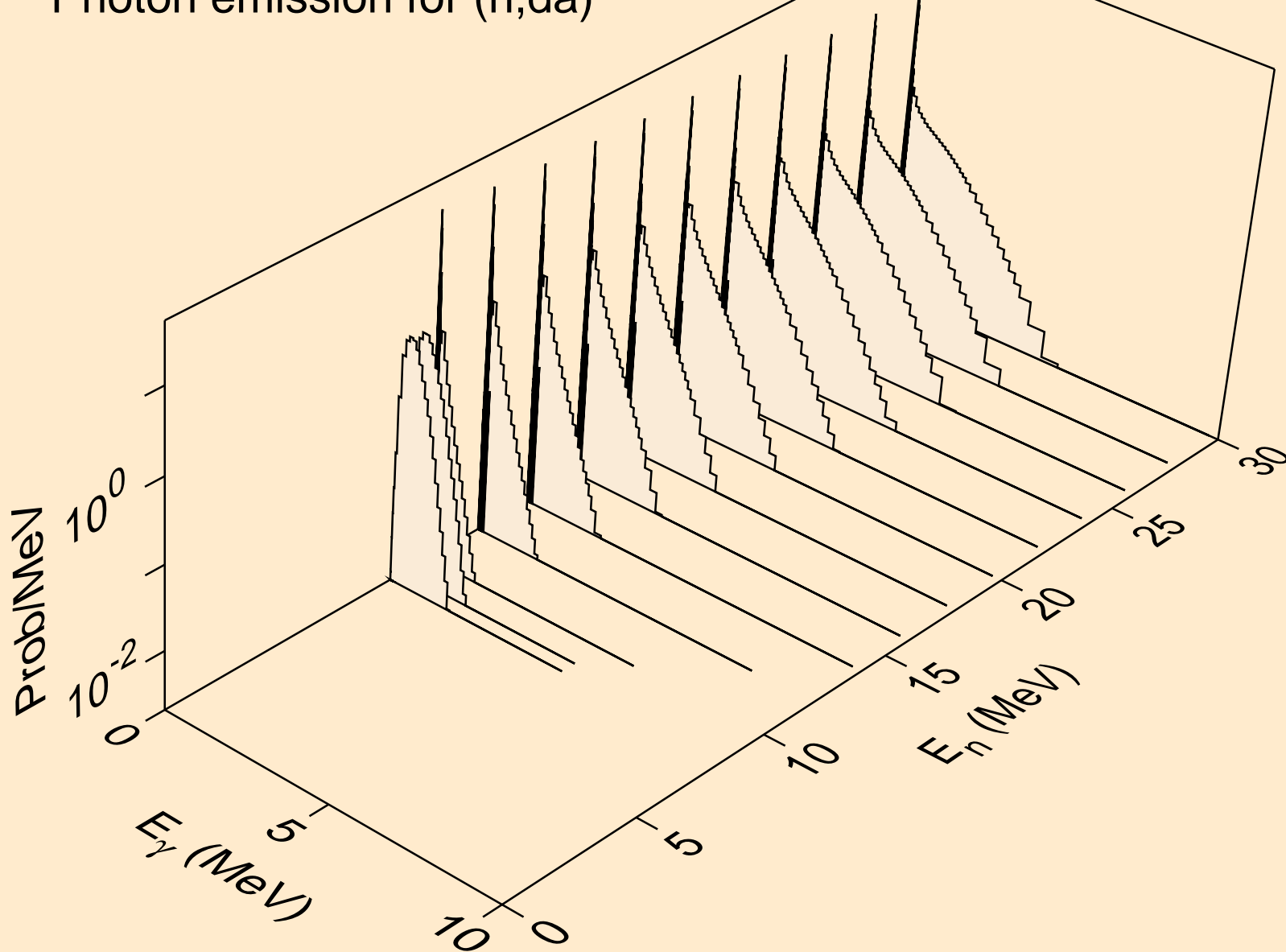
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Photon emission for (n,pd)



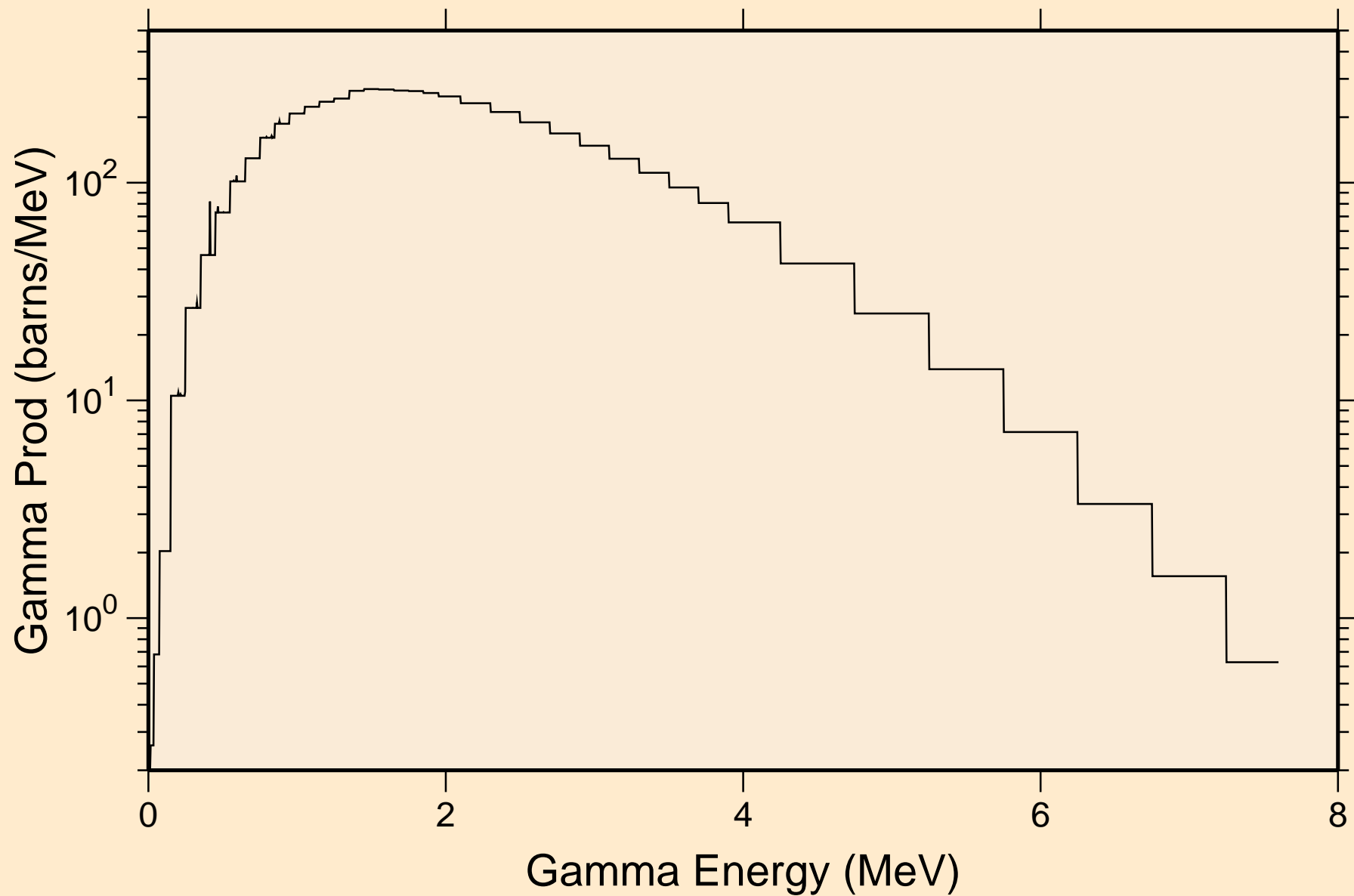
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Photon emission for (n,pt)



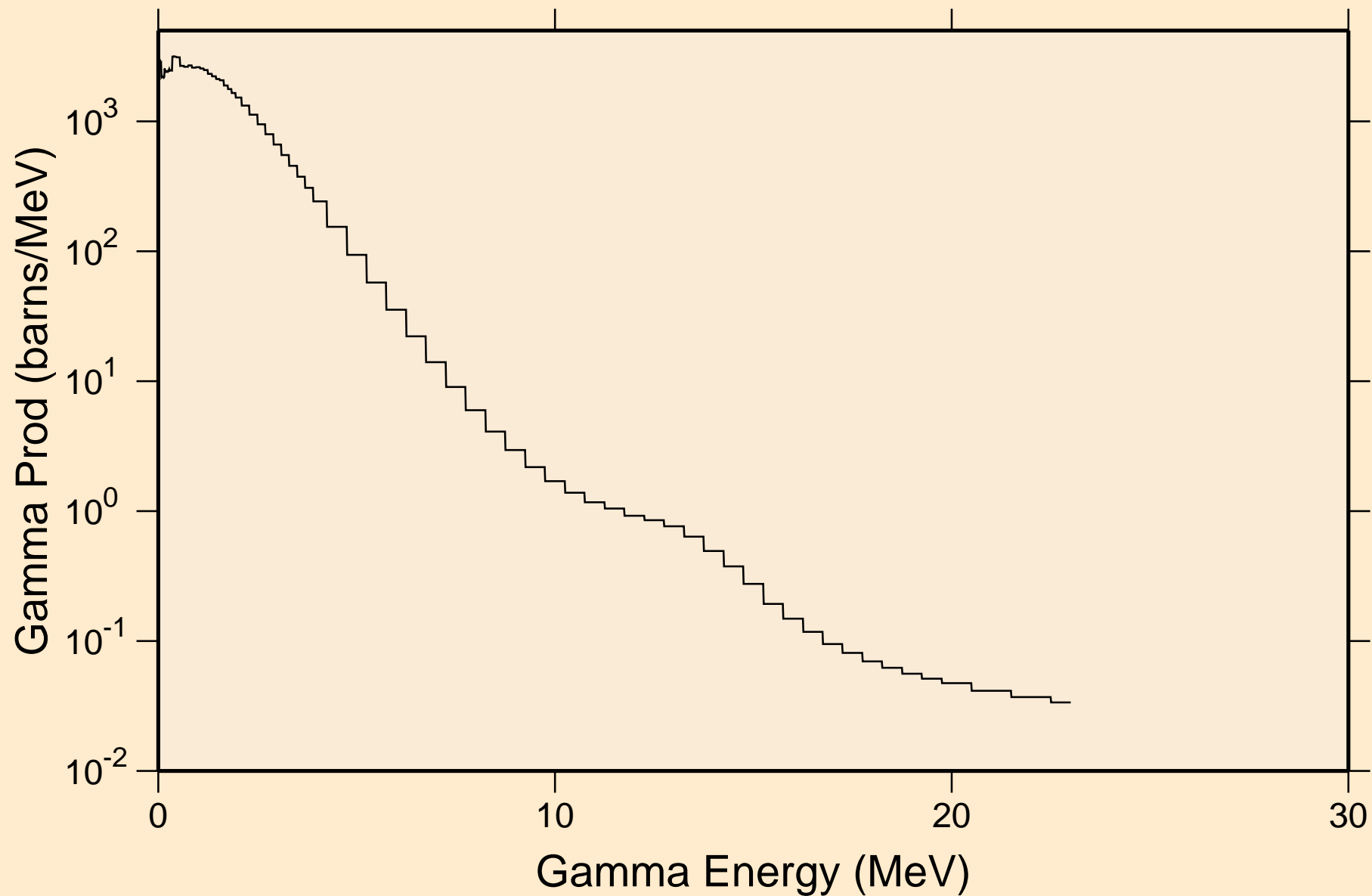
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

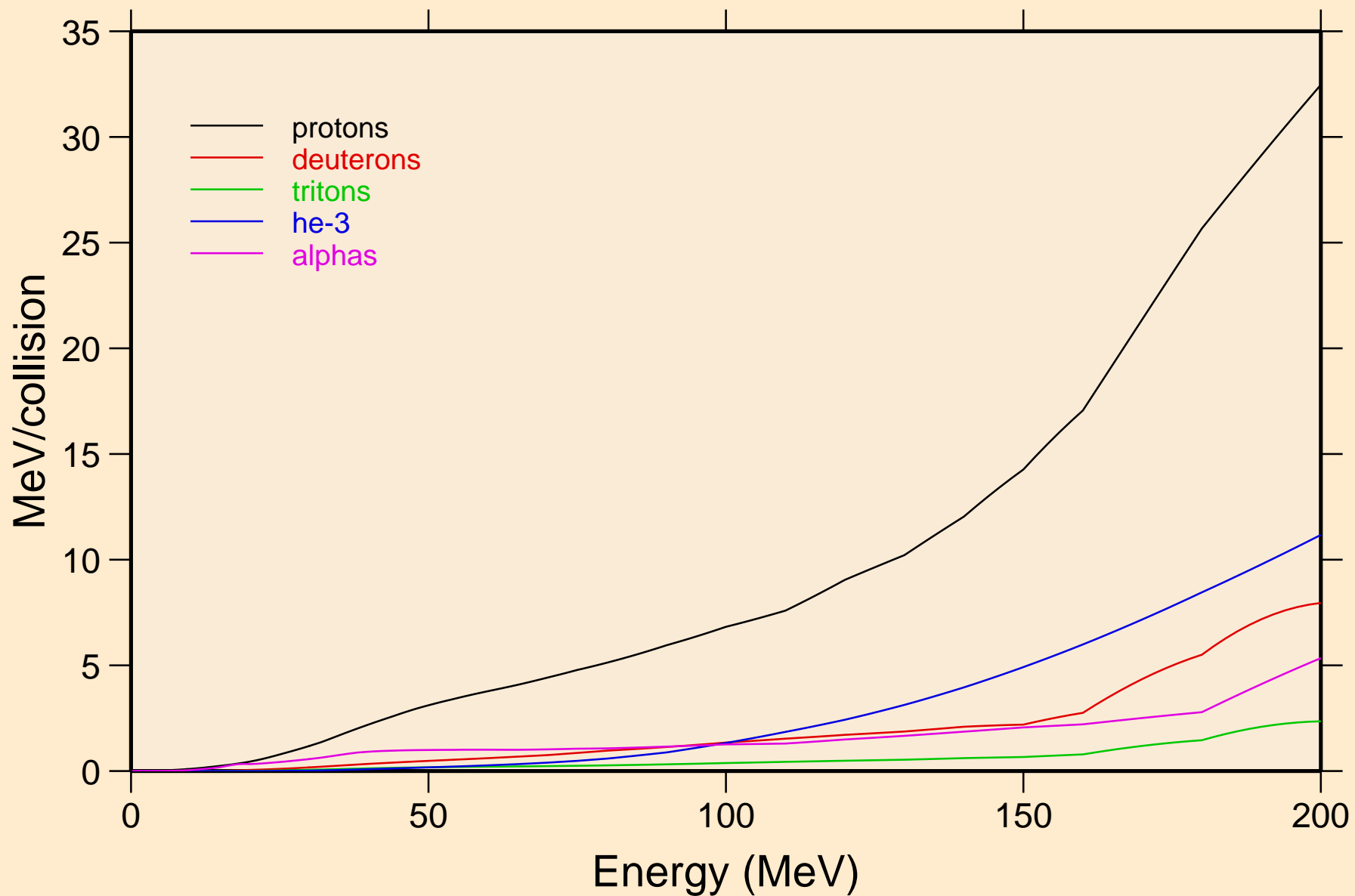


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

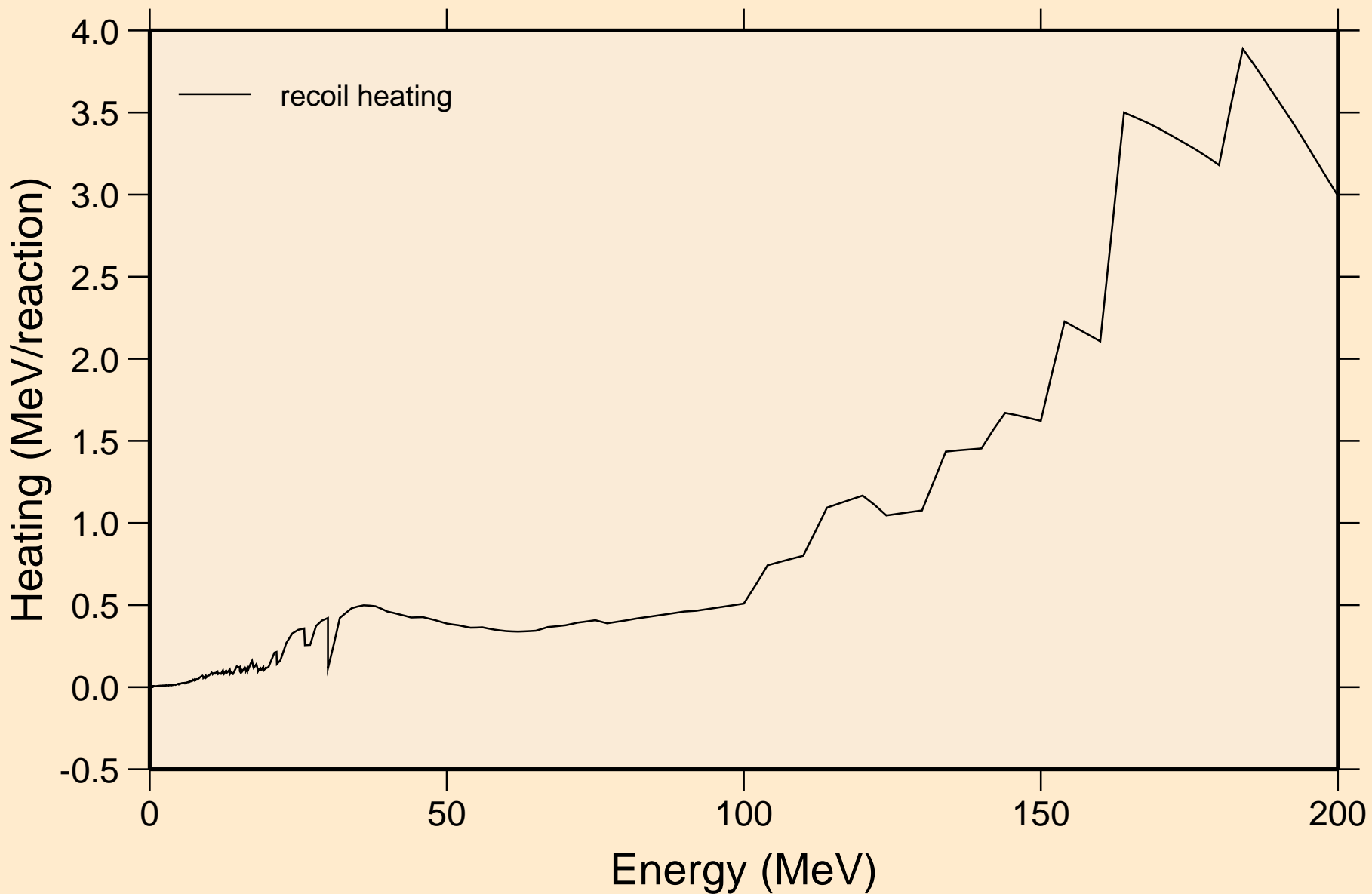


HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

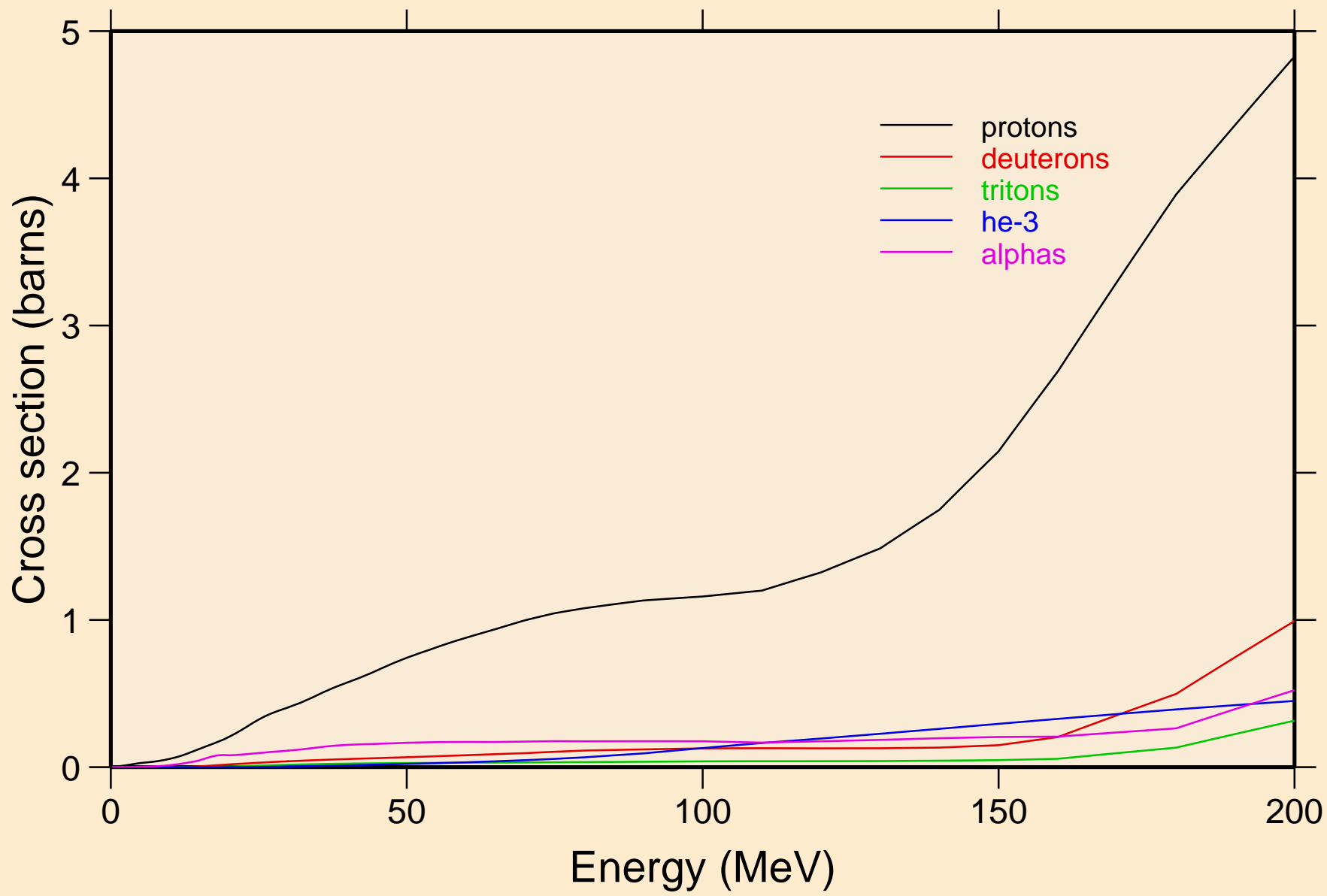
Particle heating contributions



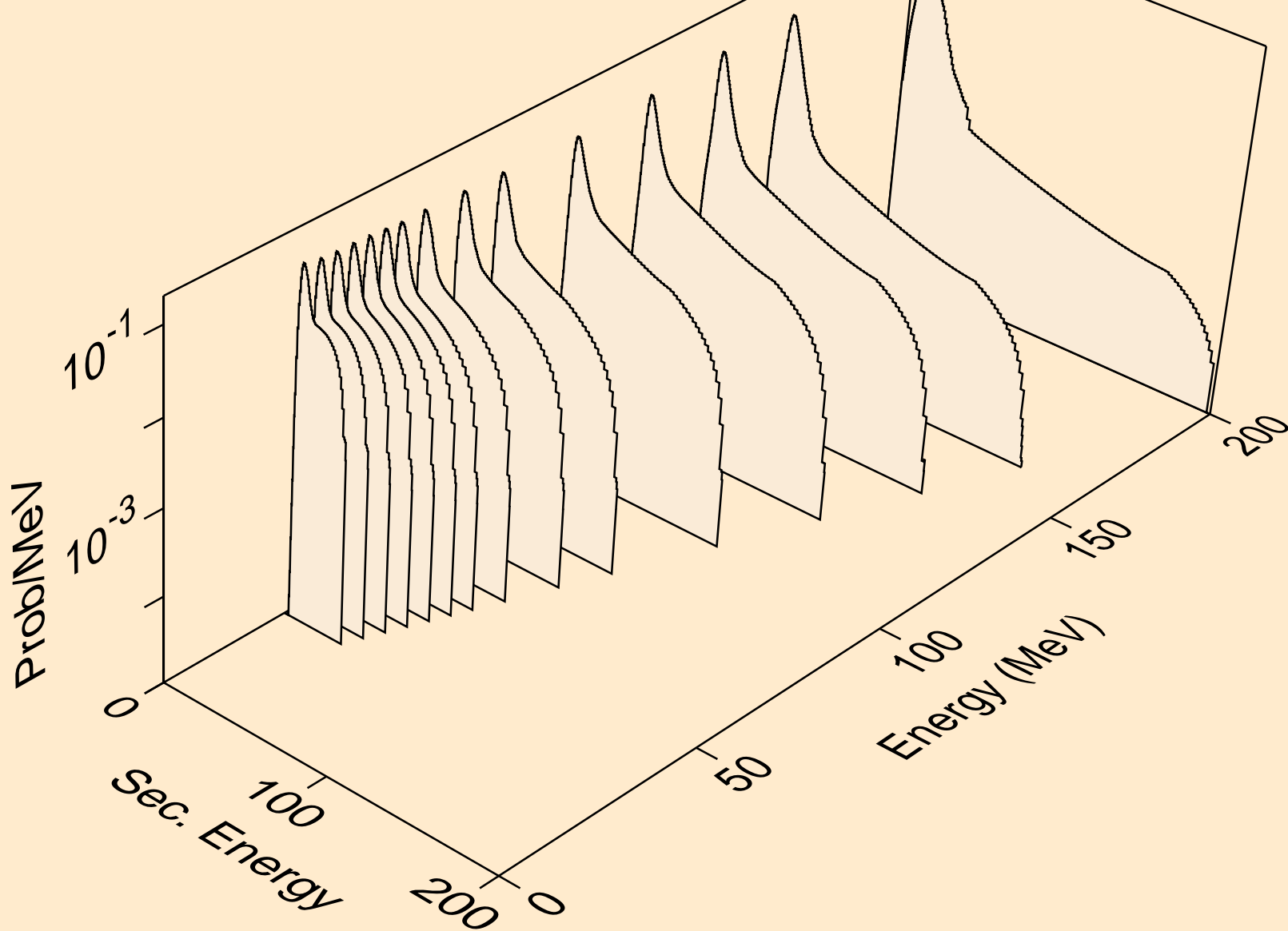
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Recoil Heating



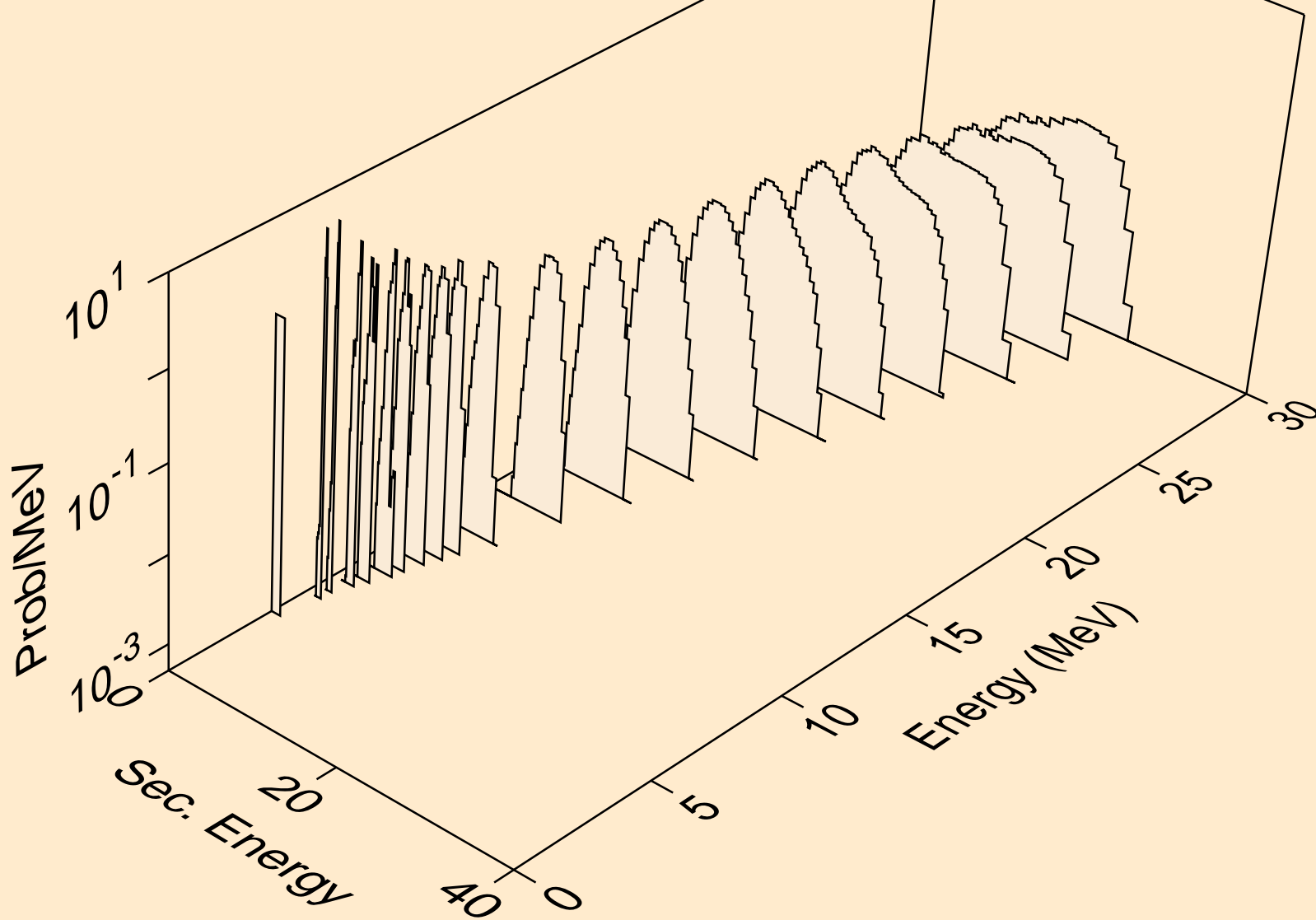
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



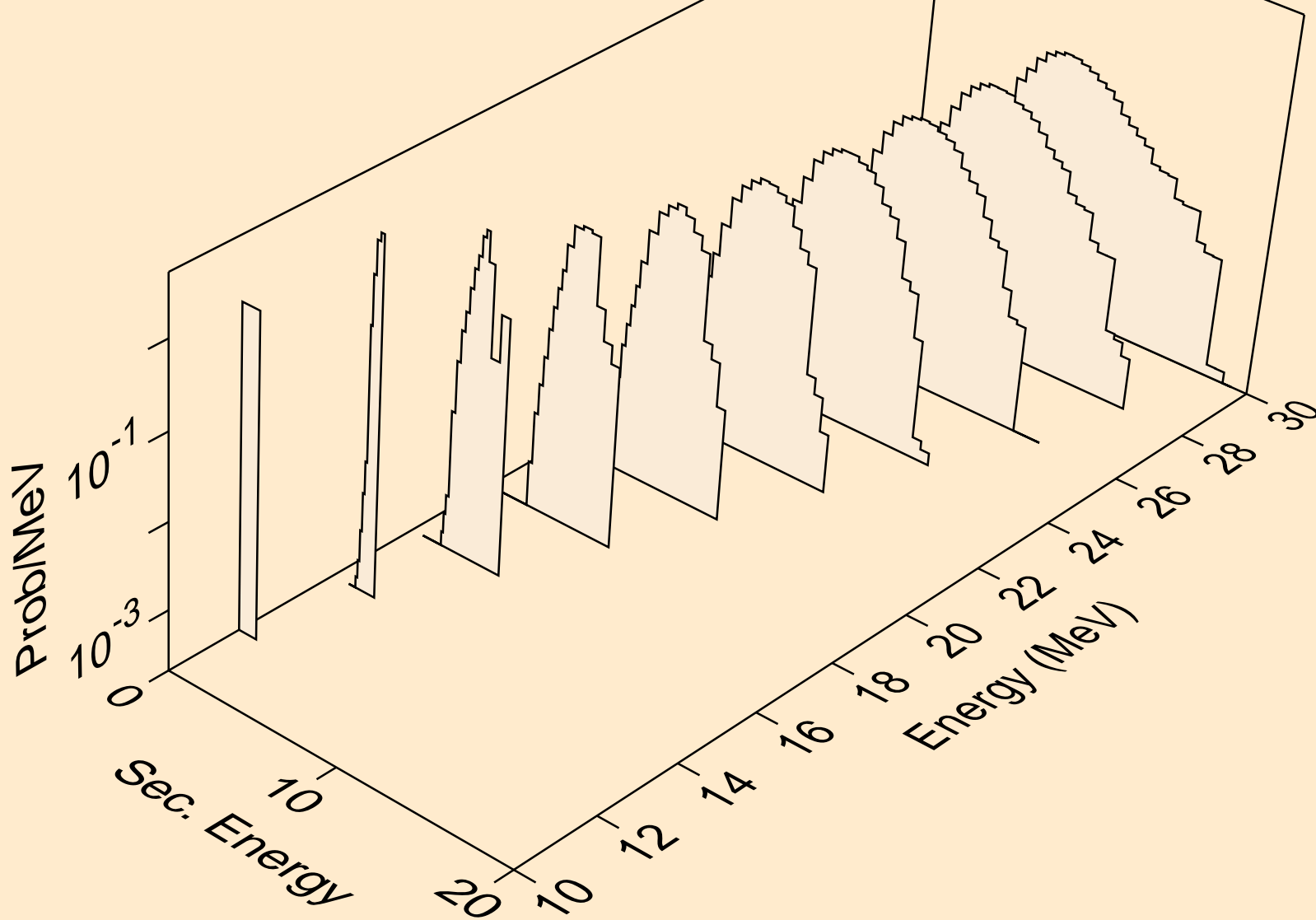
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



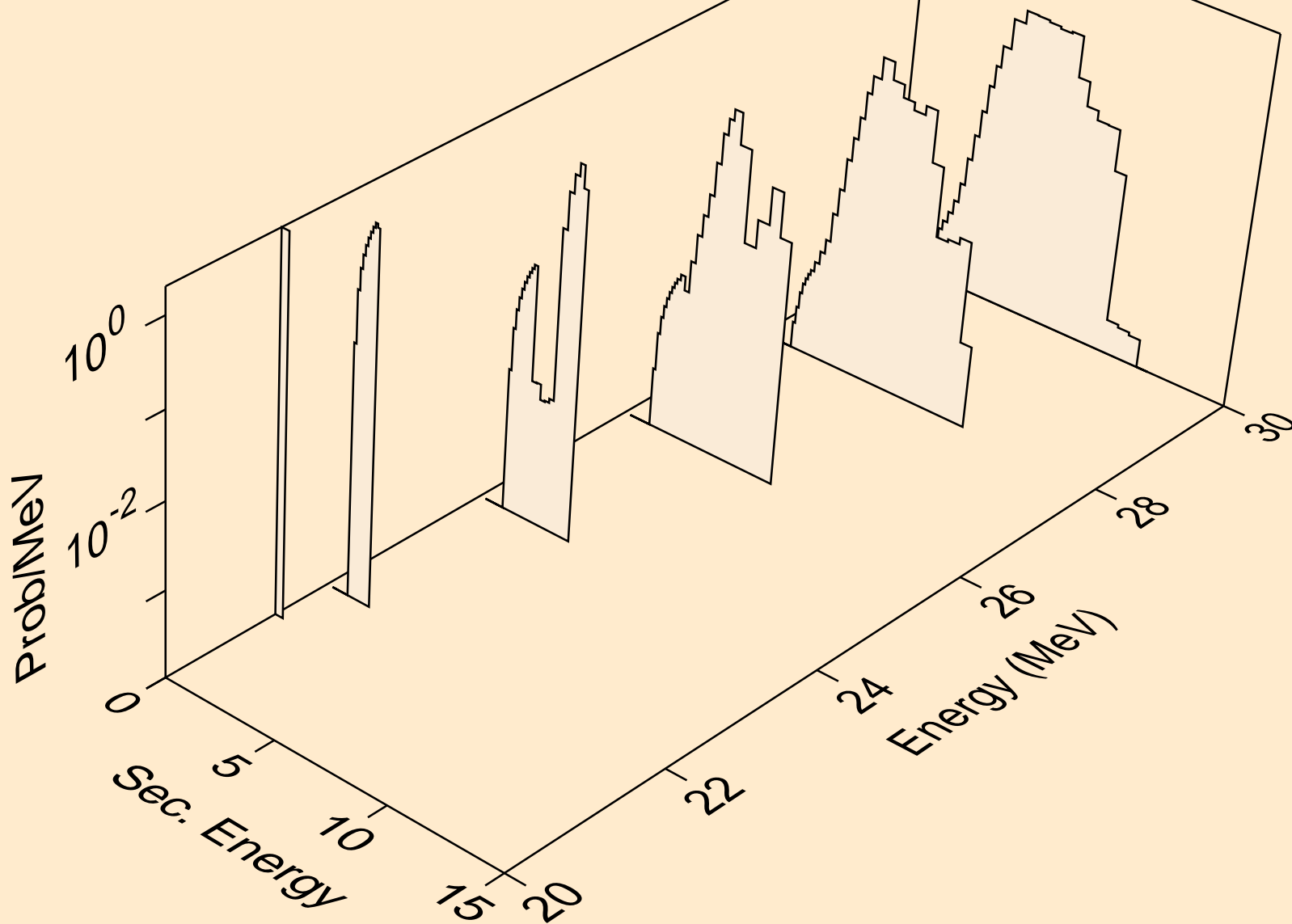
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



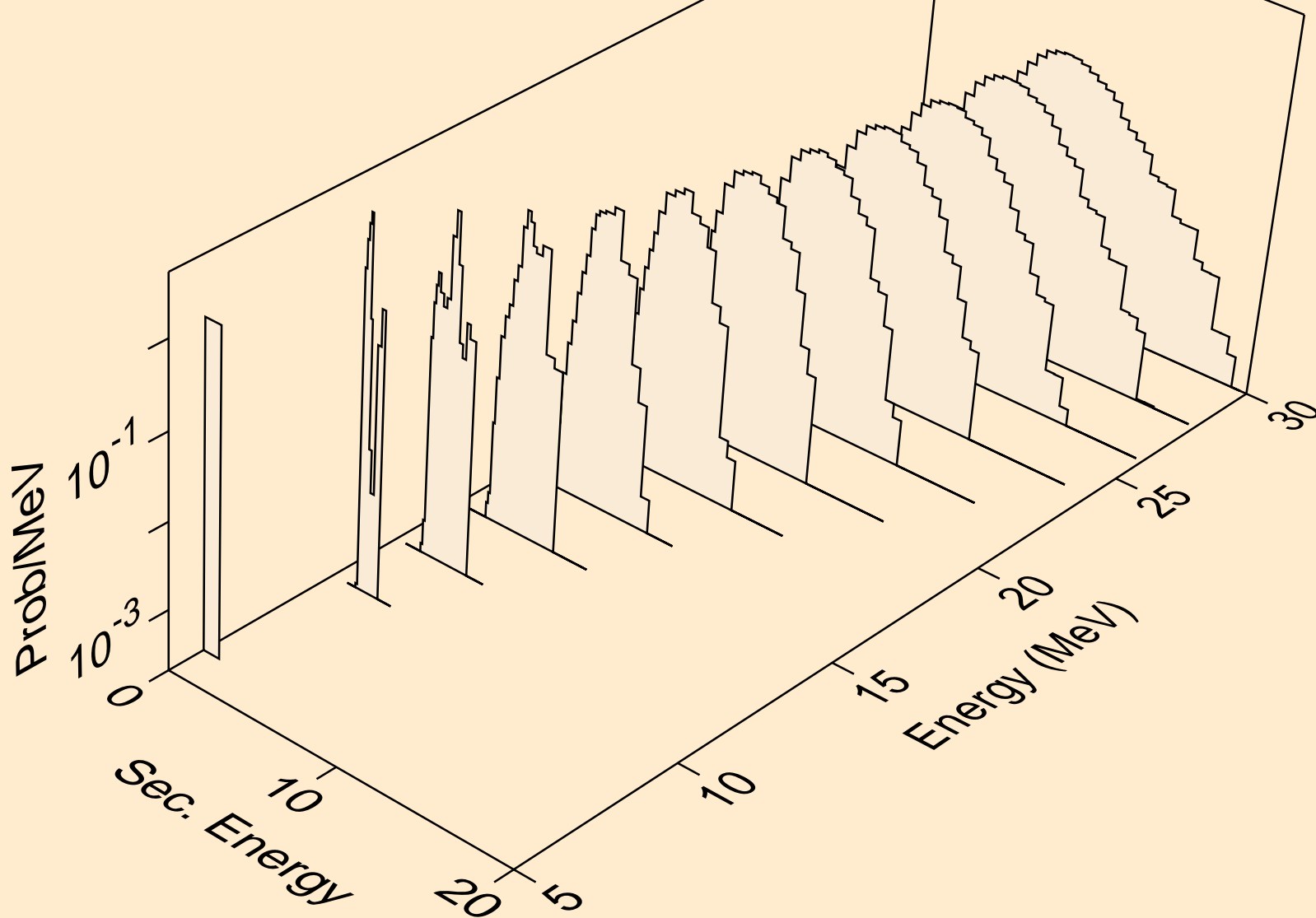
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protons from (n,2np)



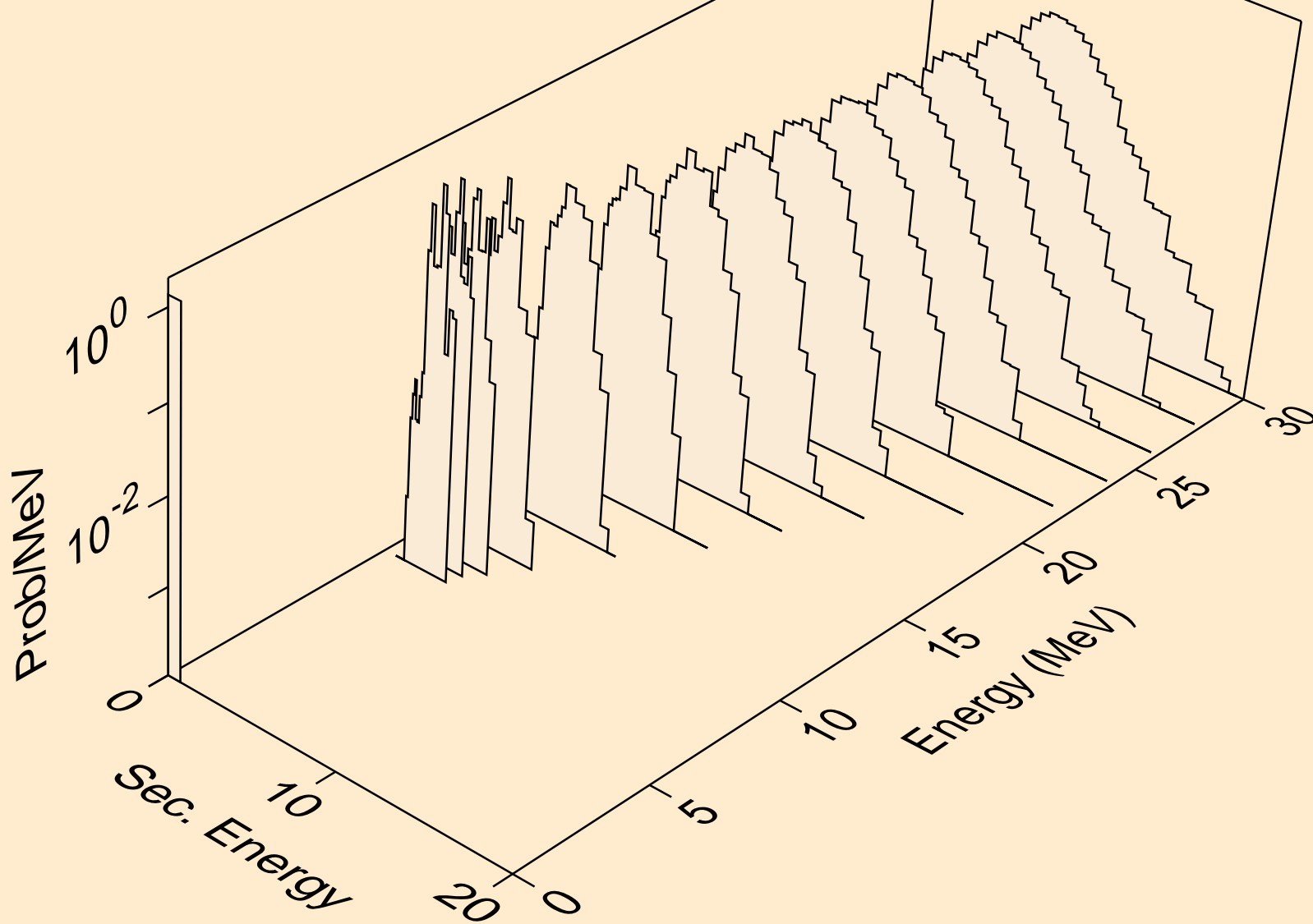
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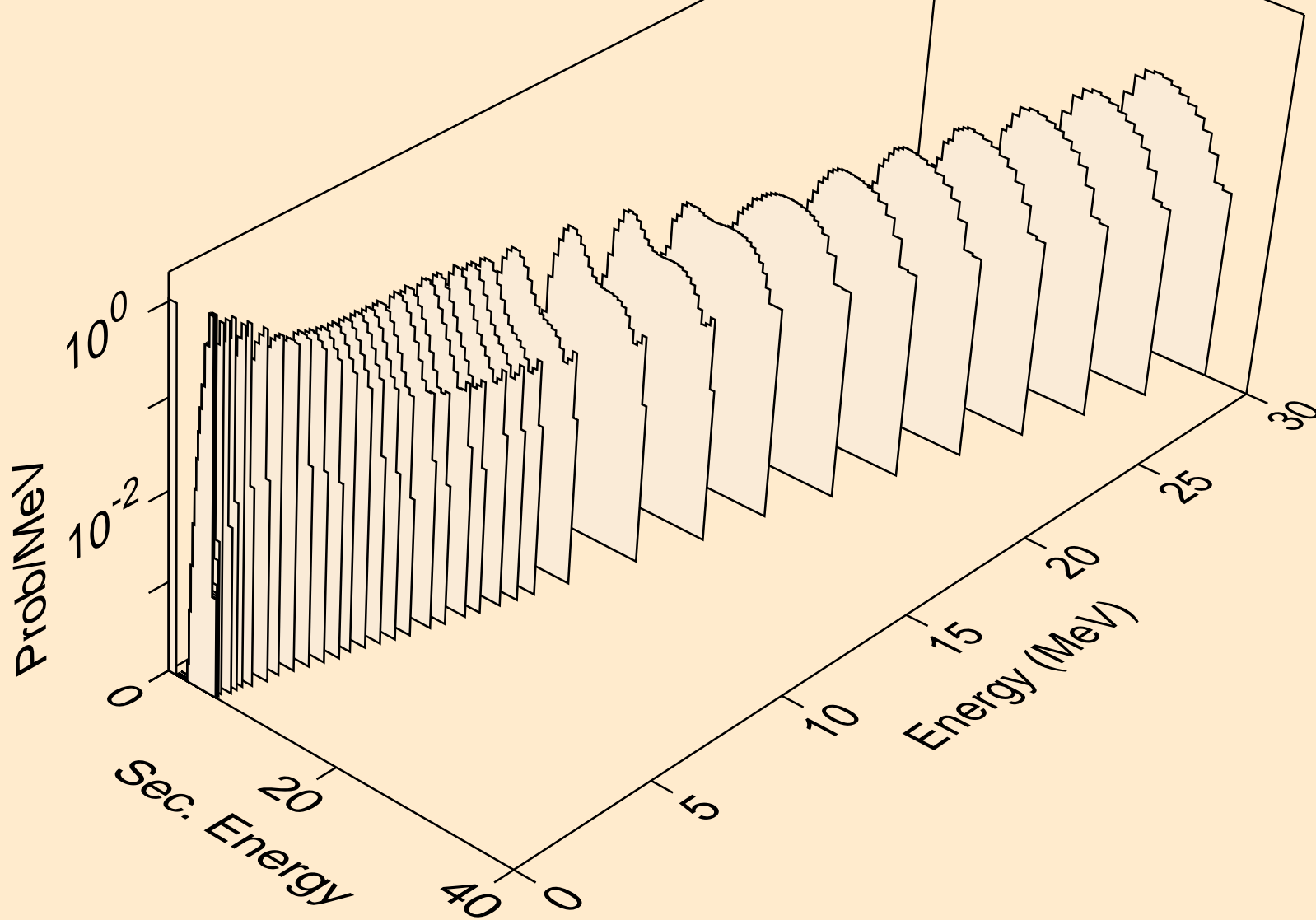
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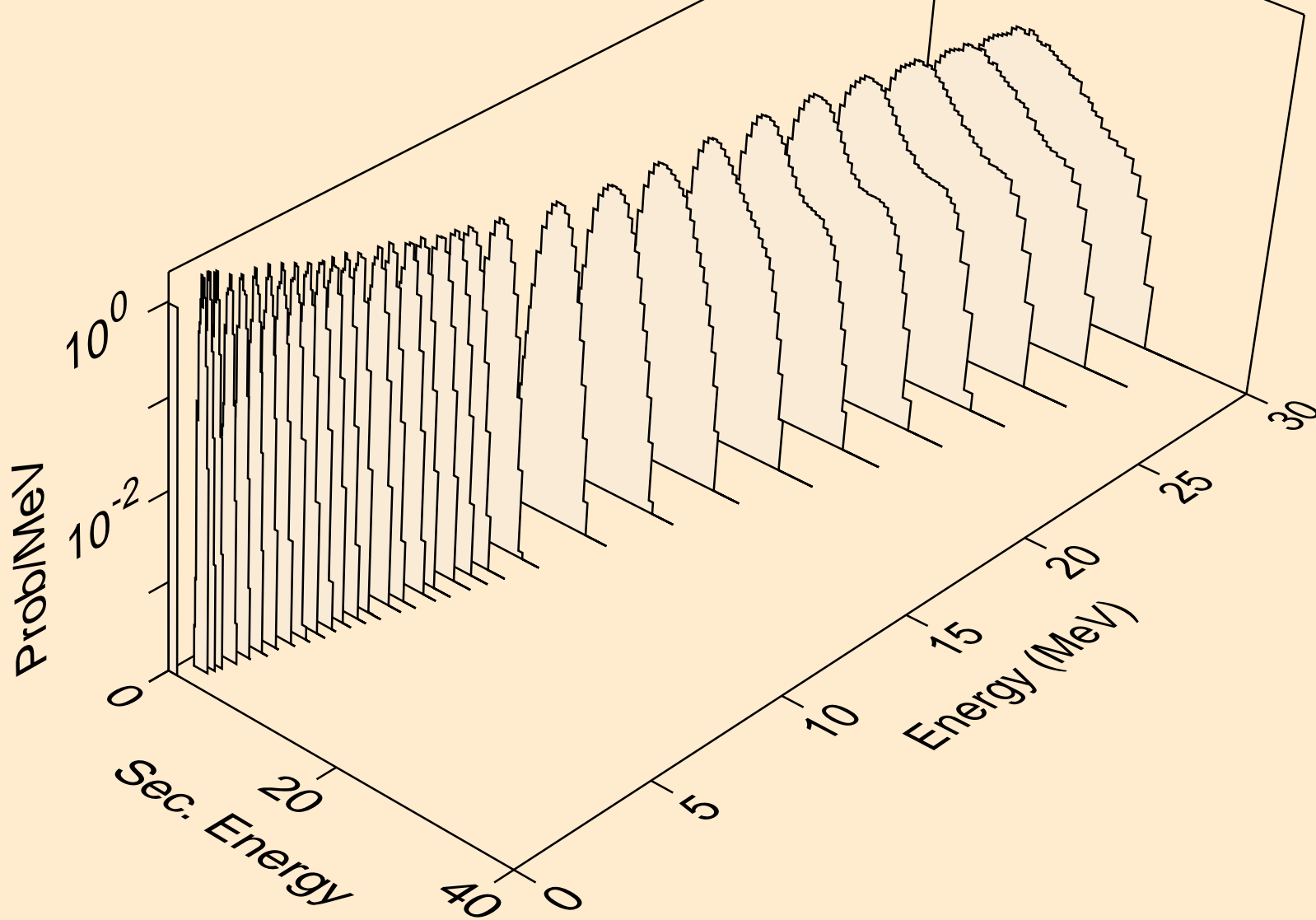
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protons from (n,npa)



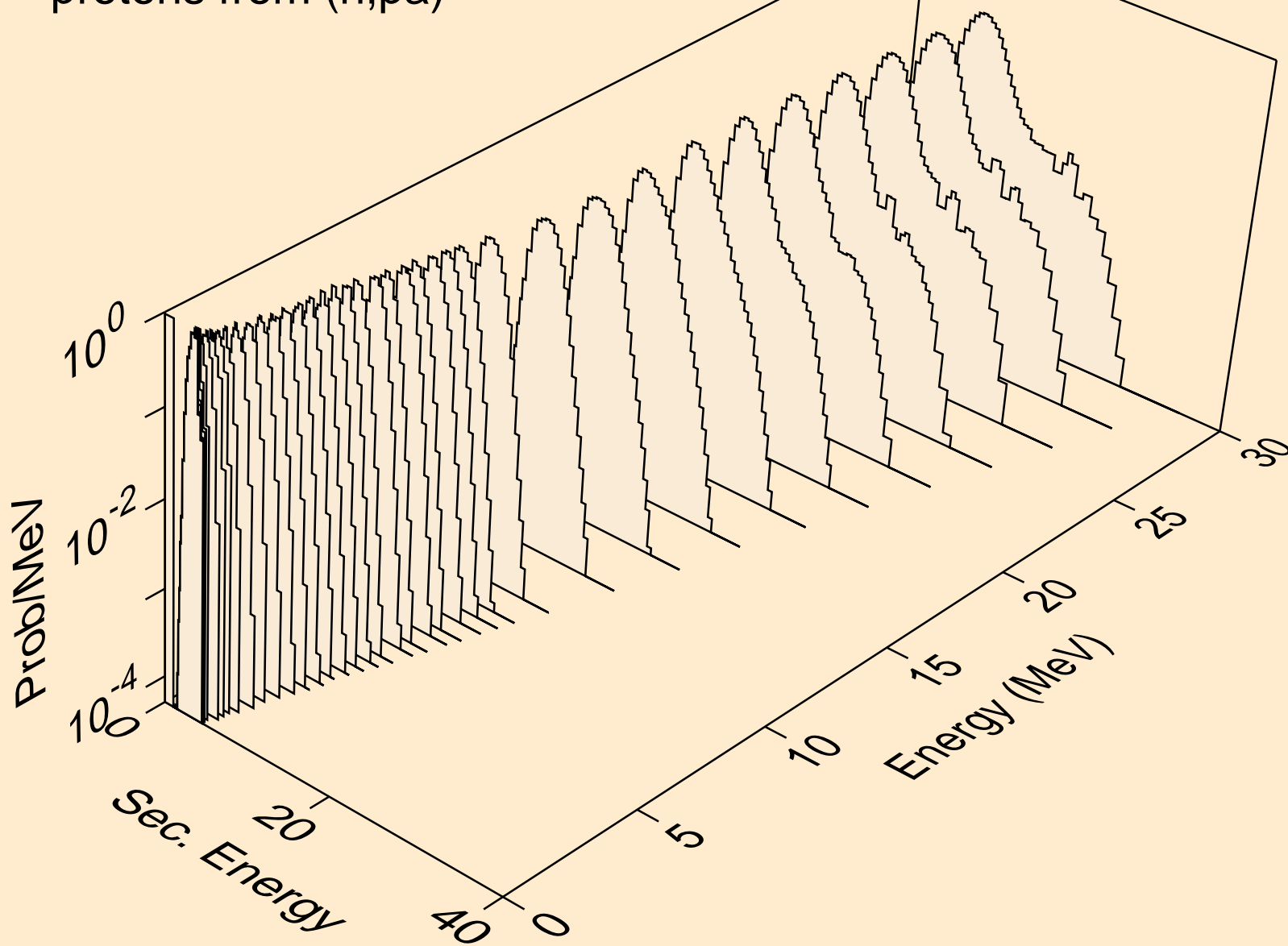
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protons from (n,p)



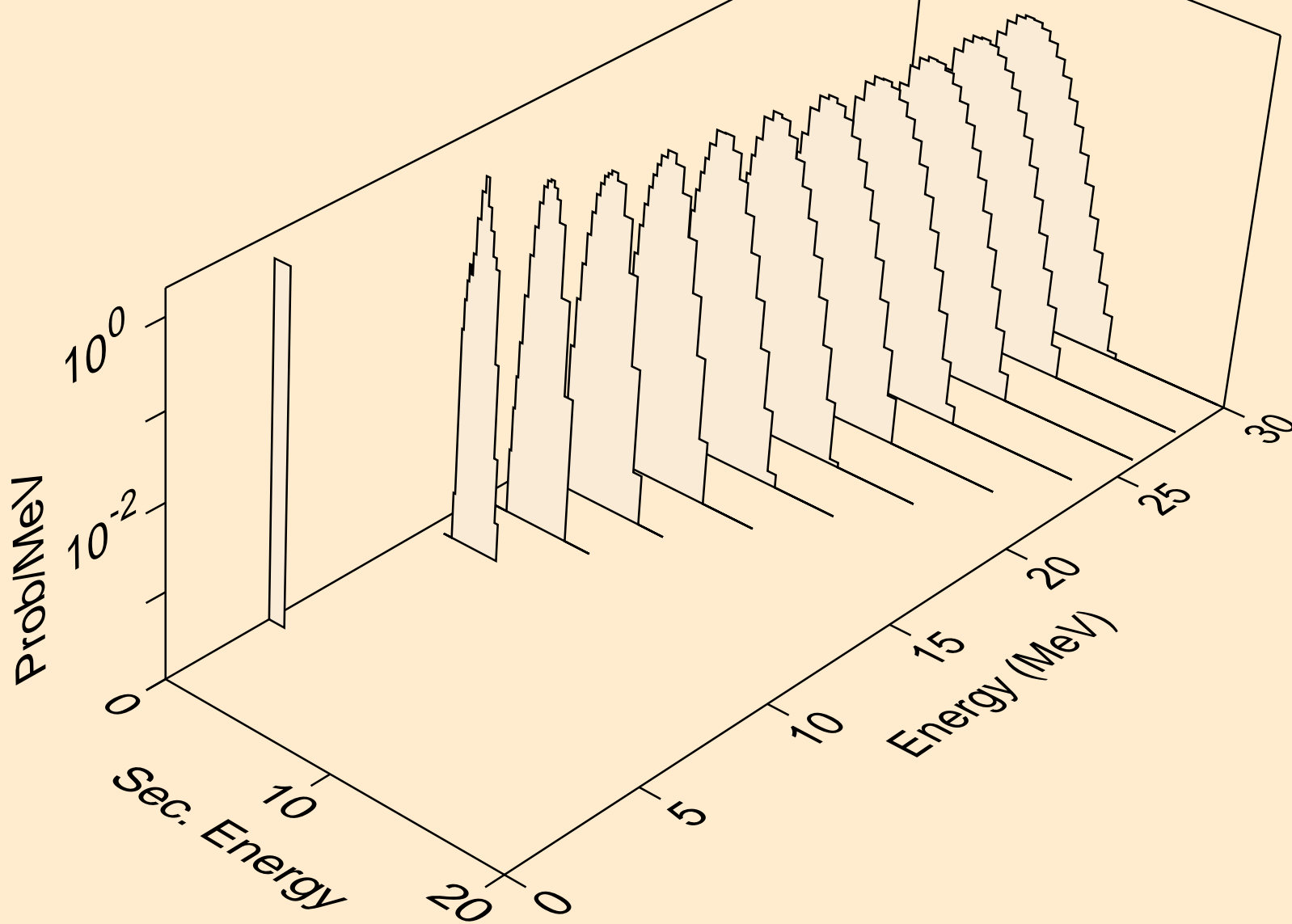
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protons from (n,2p)



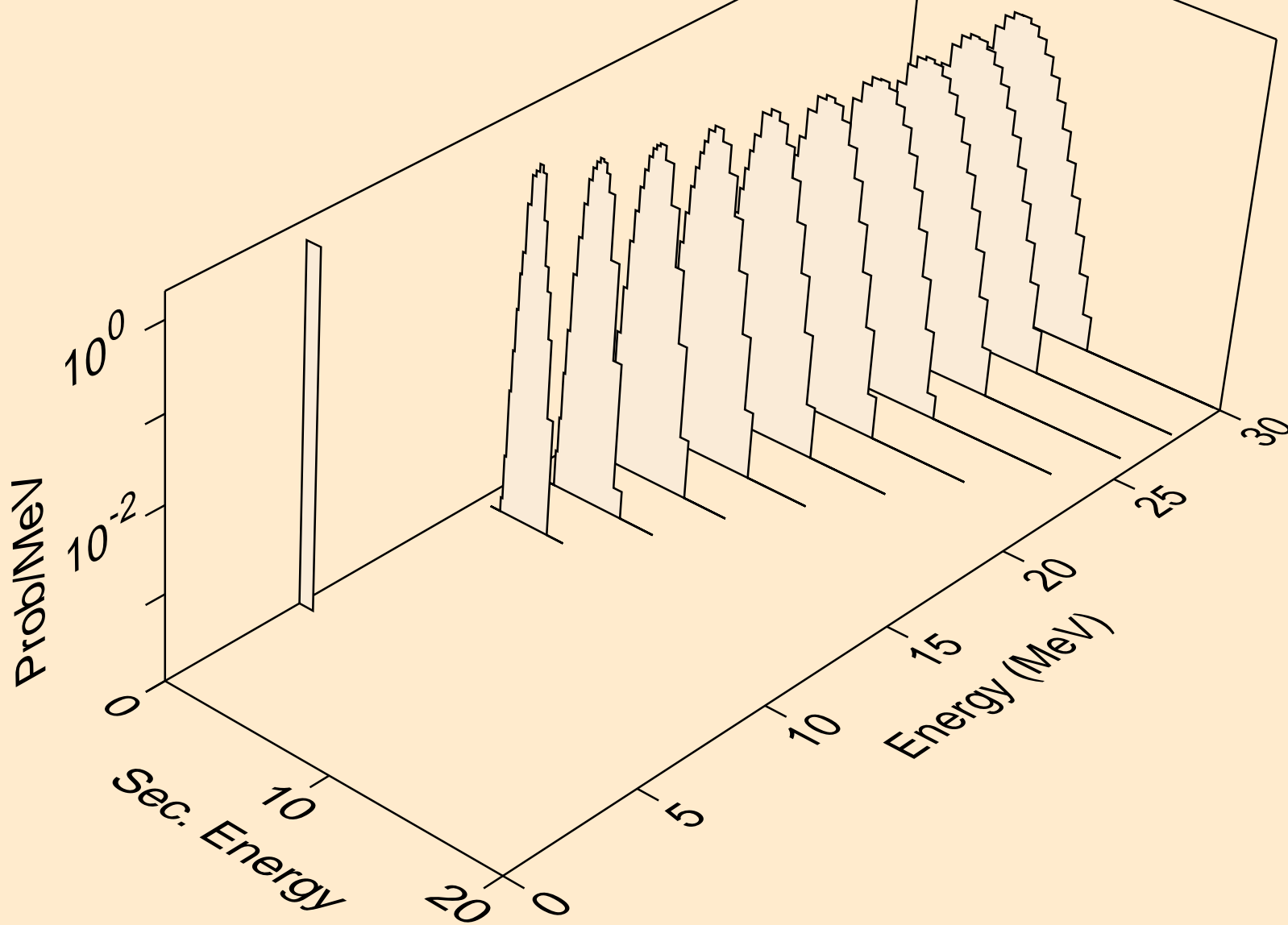
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protons from (n,p)



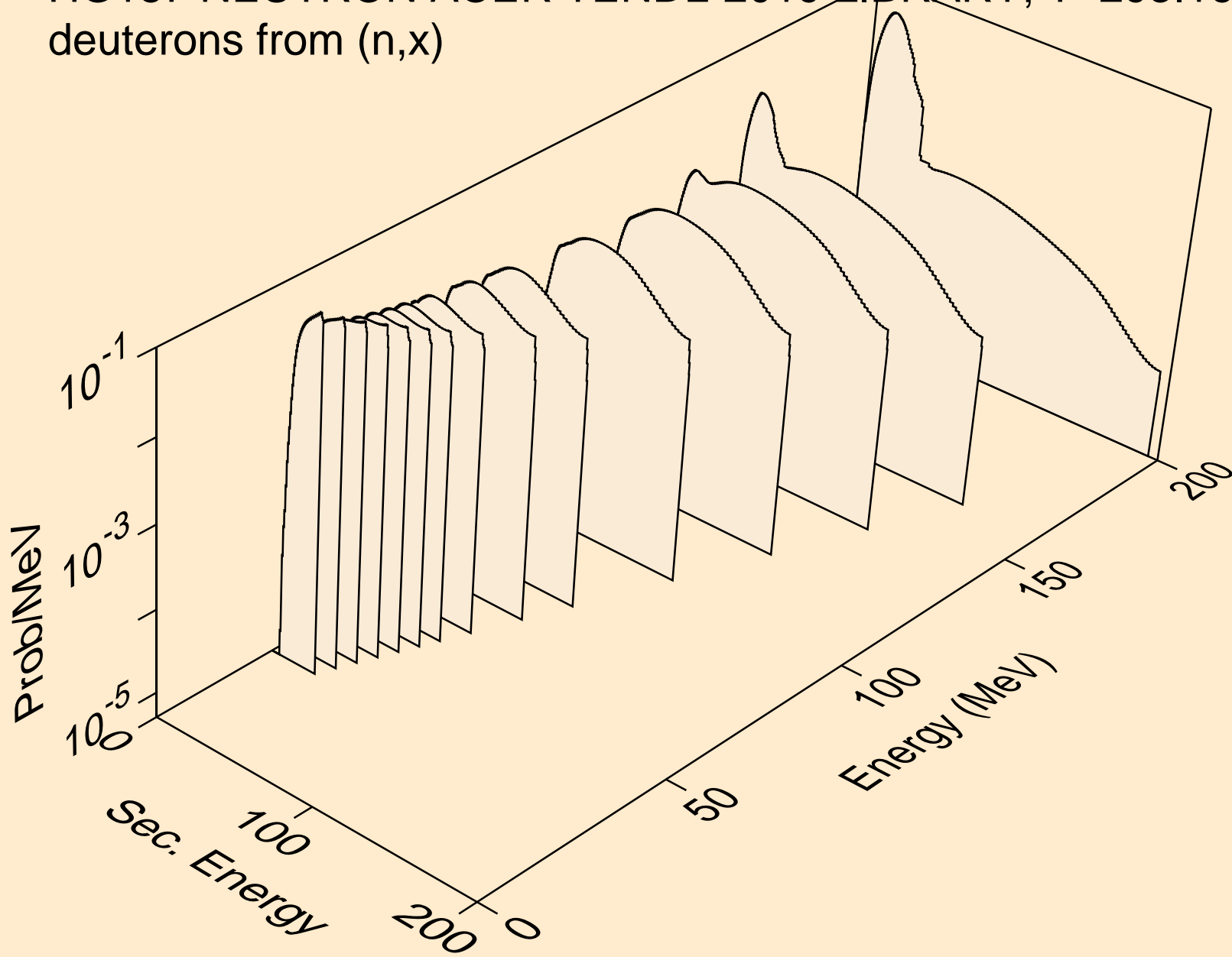
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



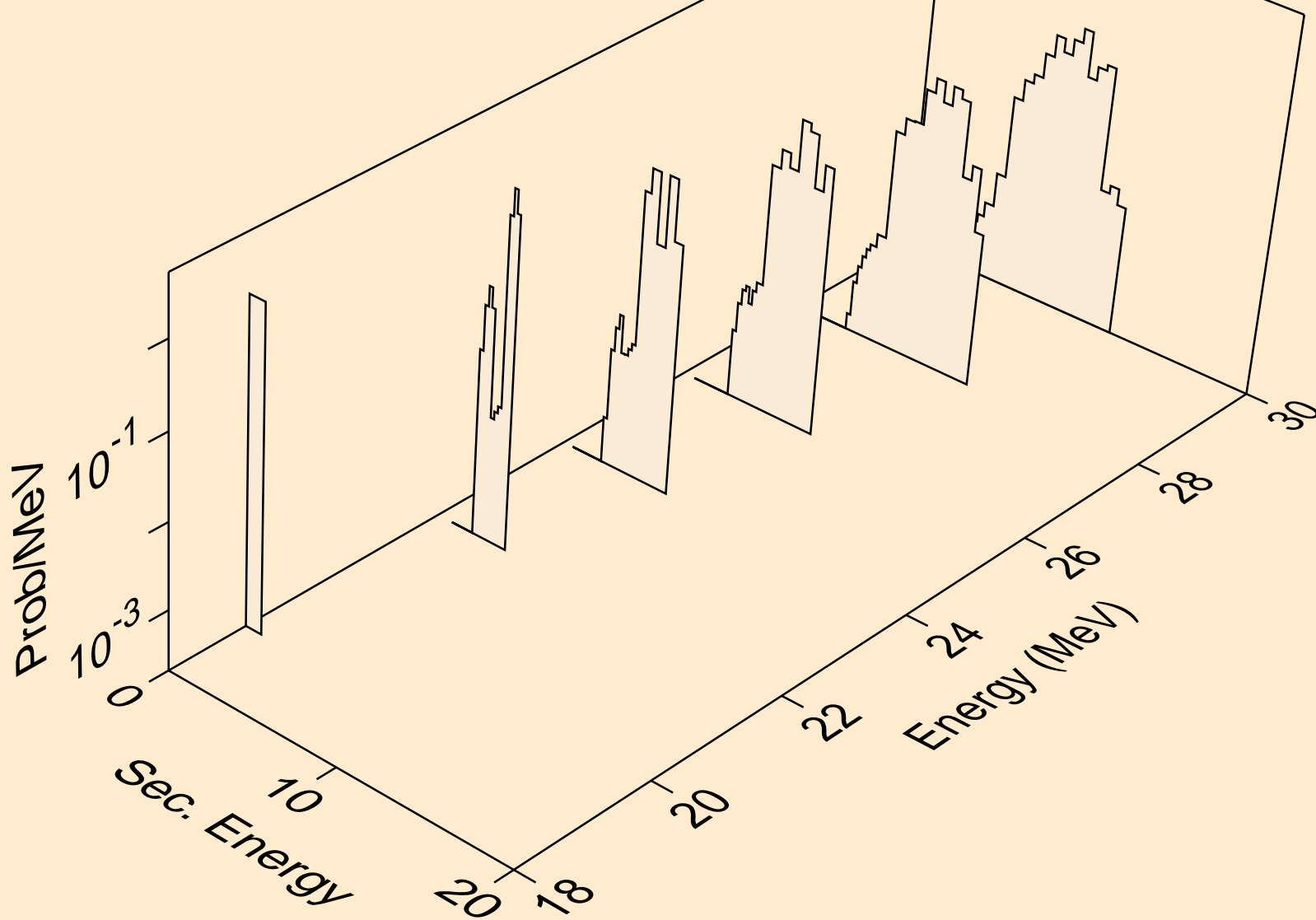
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protons from (n,pt)



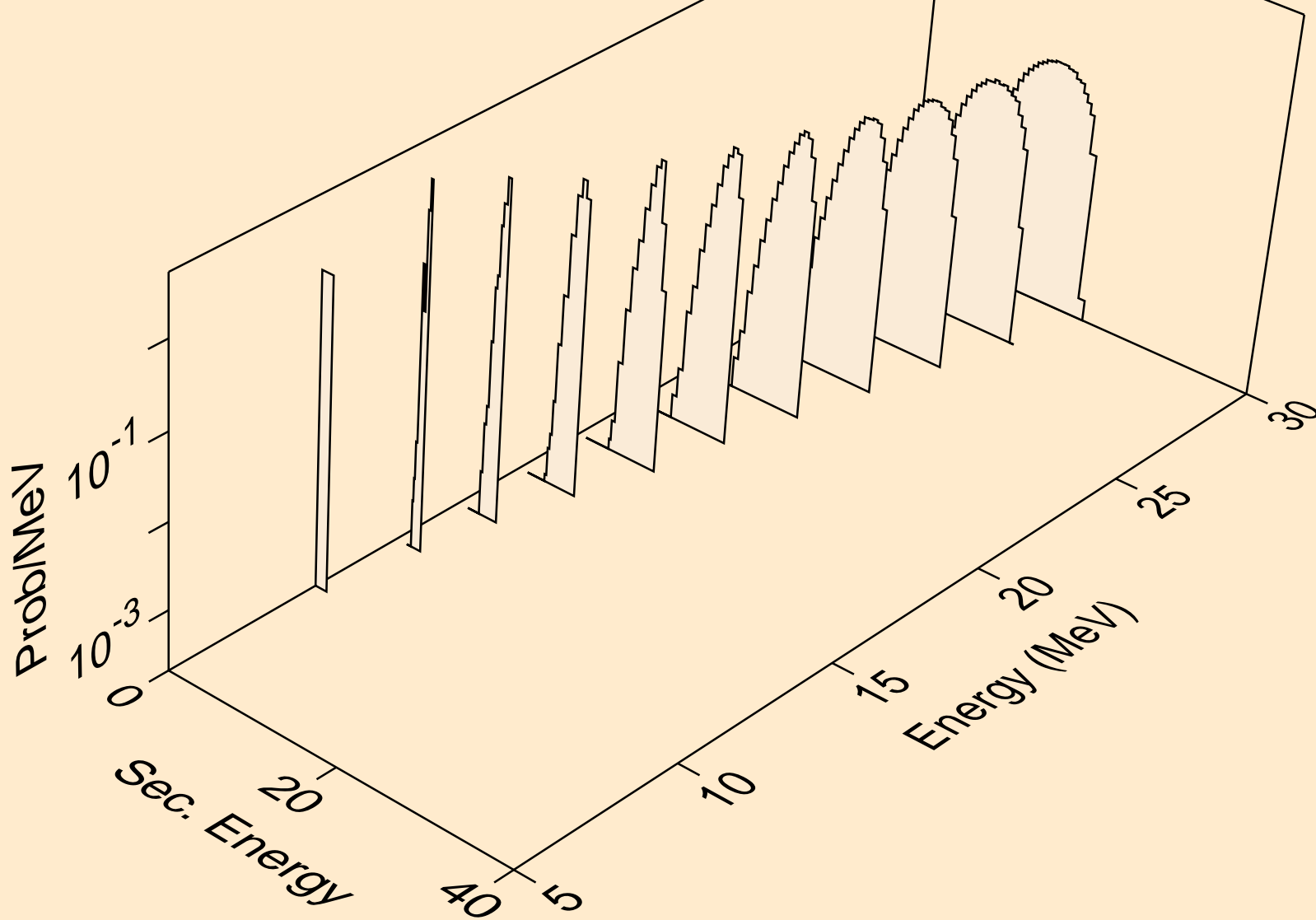
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deuterons from (n,x)



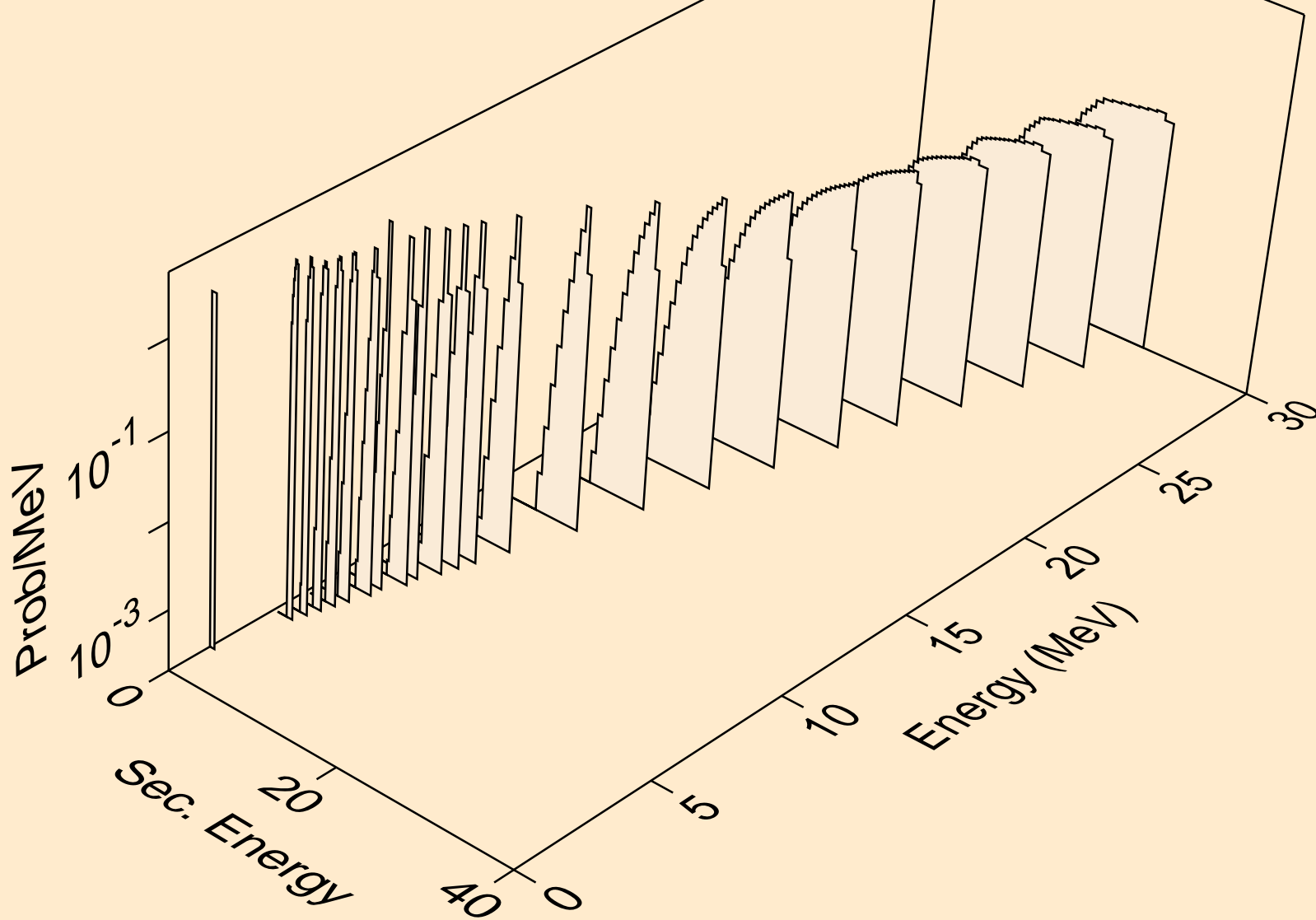
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deuterons from (n,2nd)



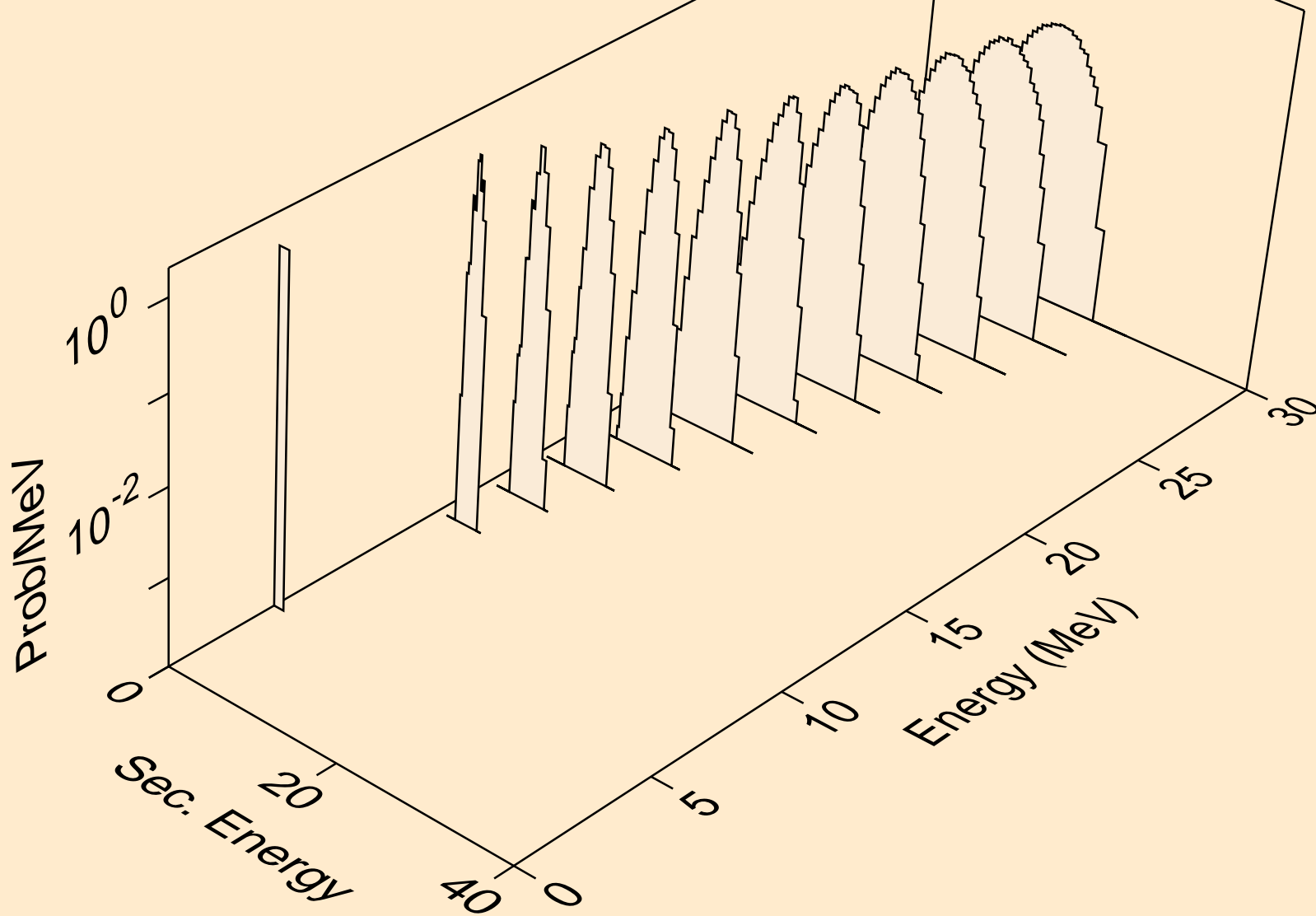
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deuterons from (n,n*)d



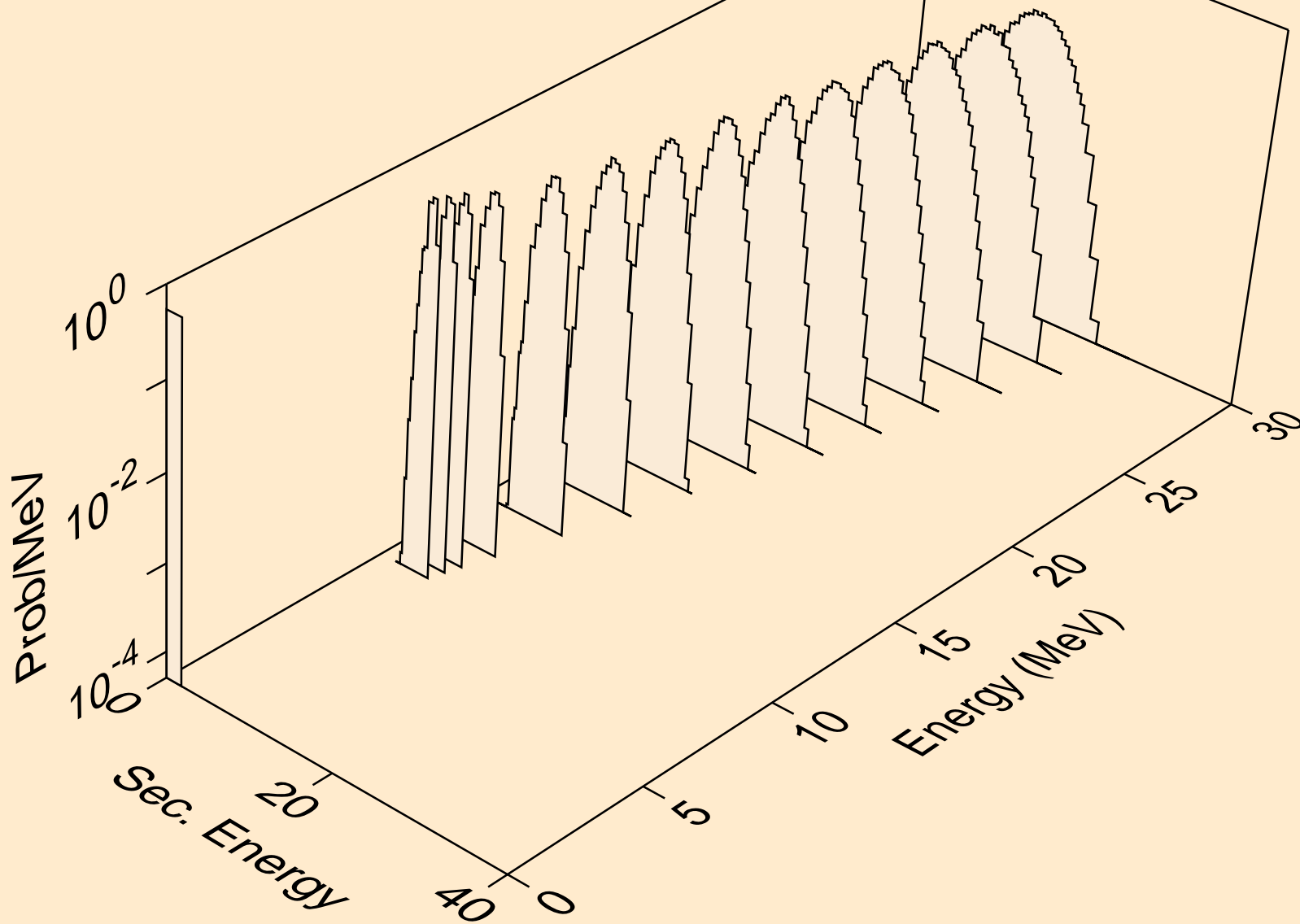
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deuterons from (n,d)



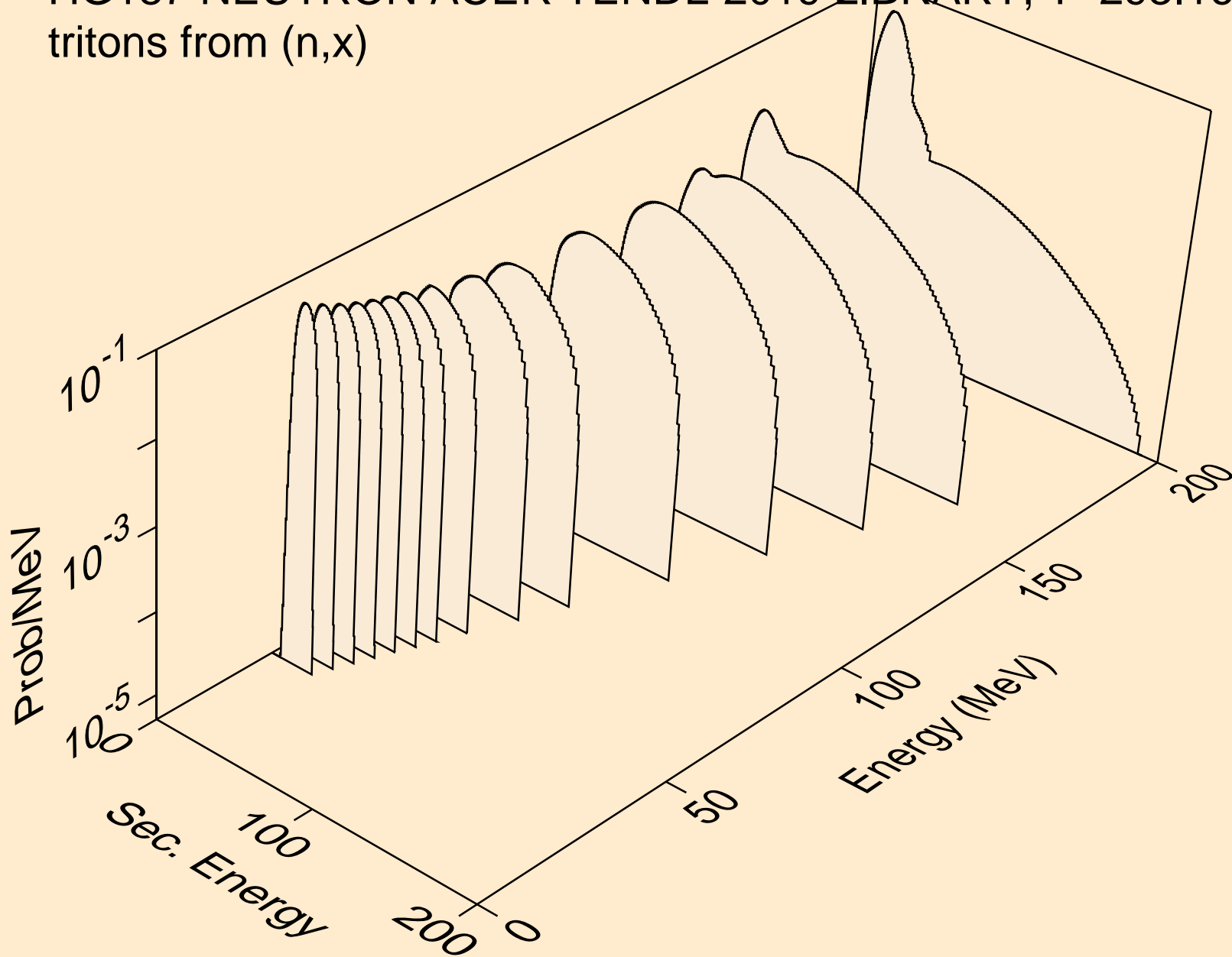
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deuterons from (n,pd)



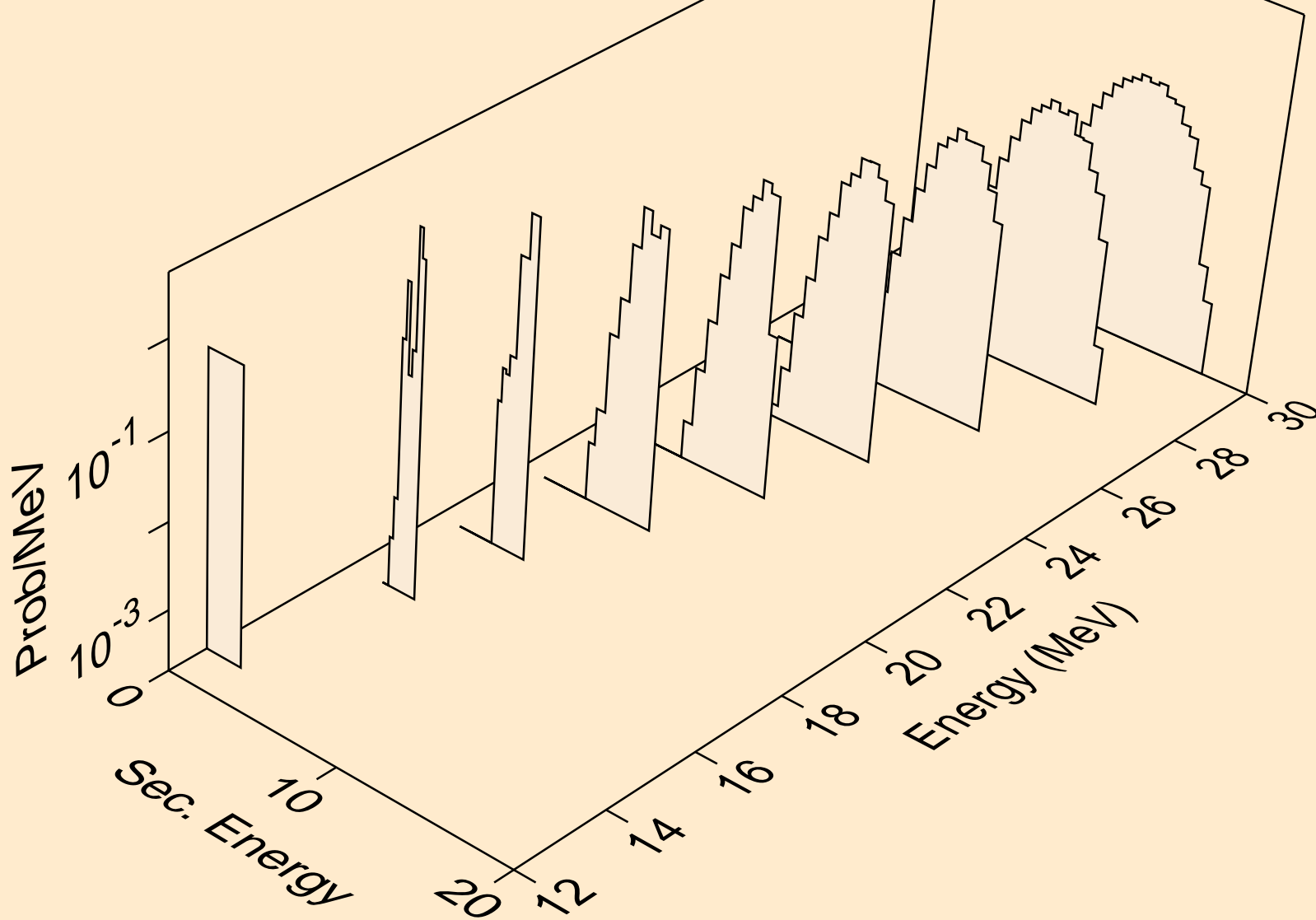
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deuterons from (n,da)



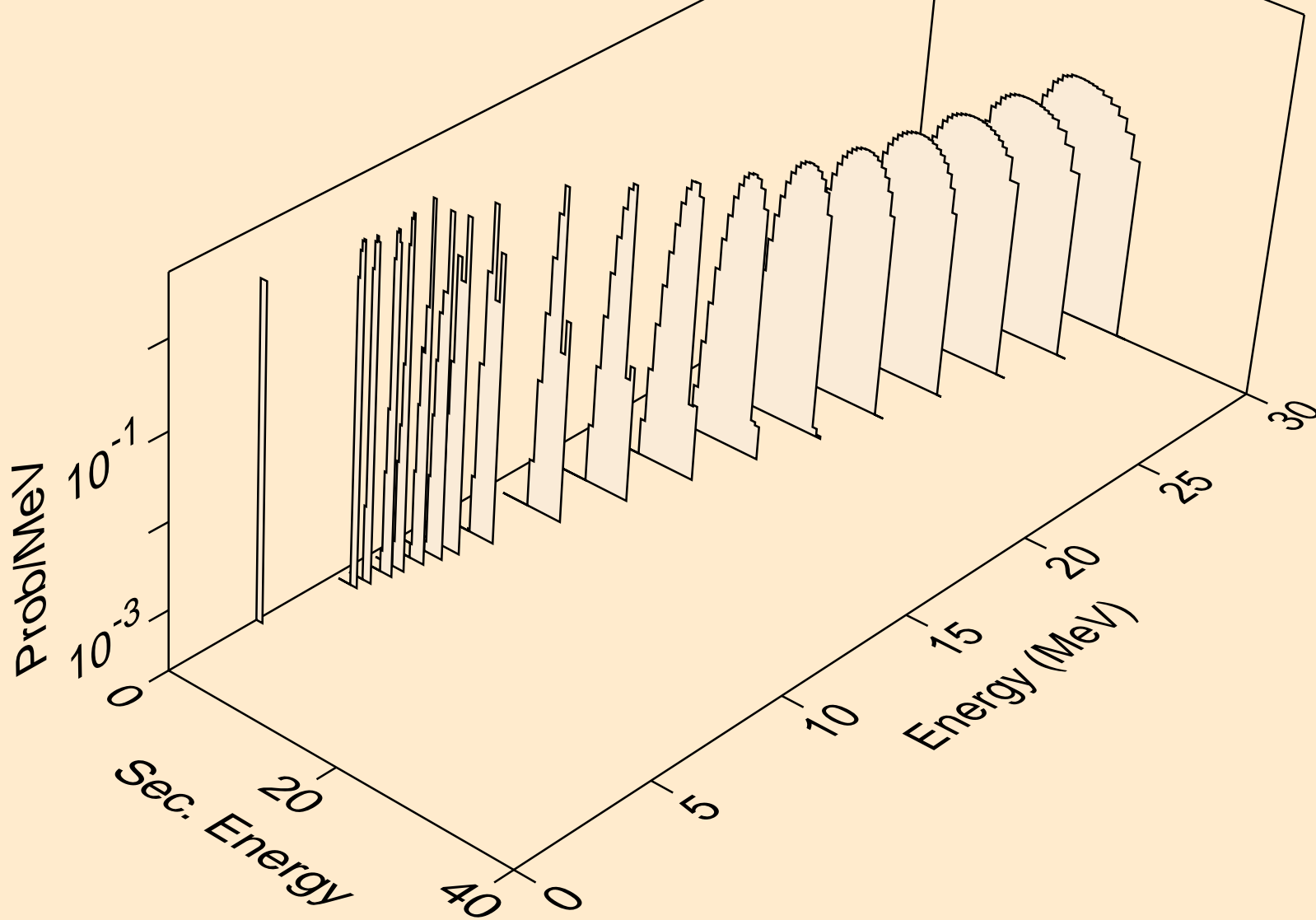
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



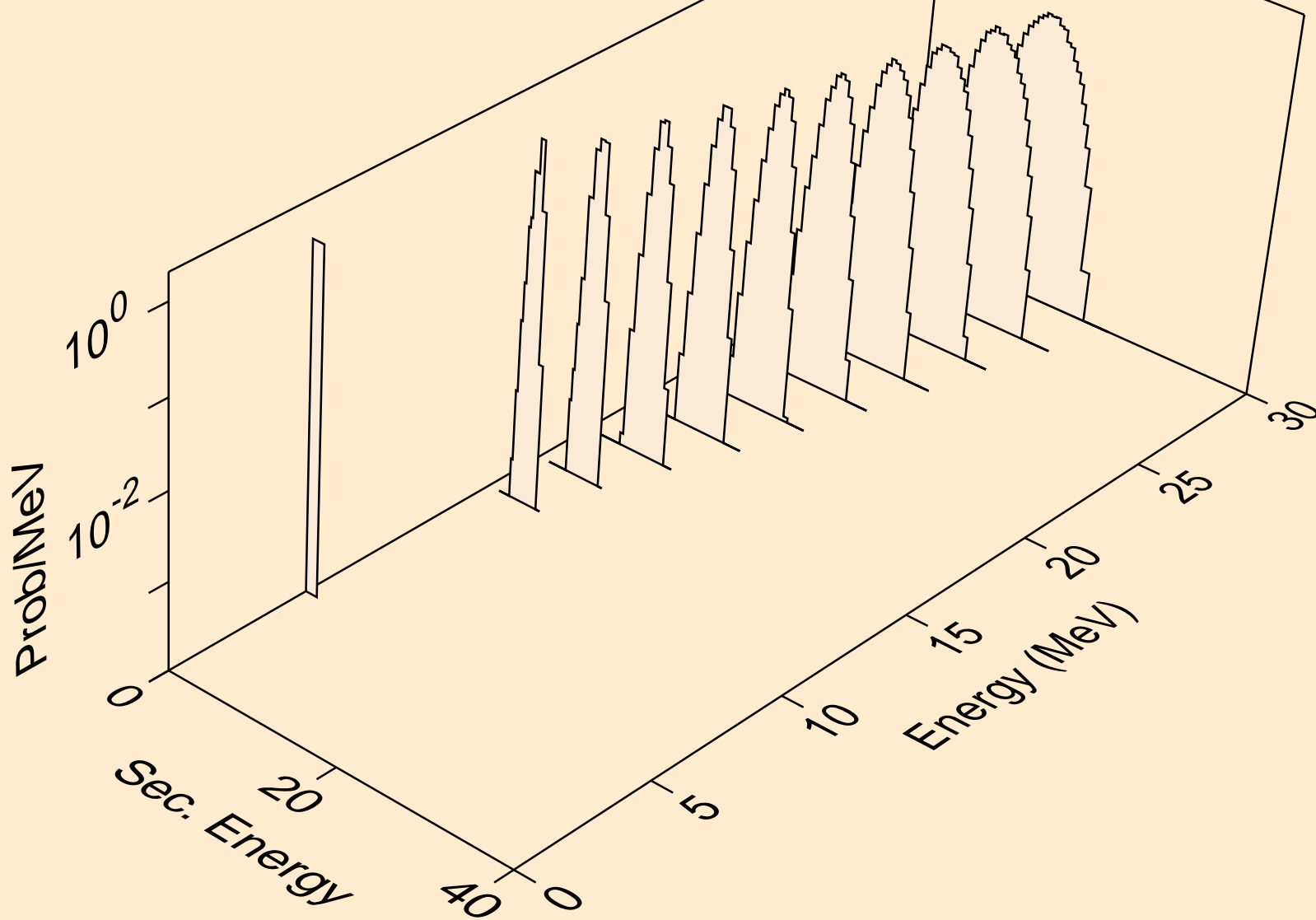
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



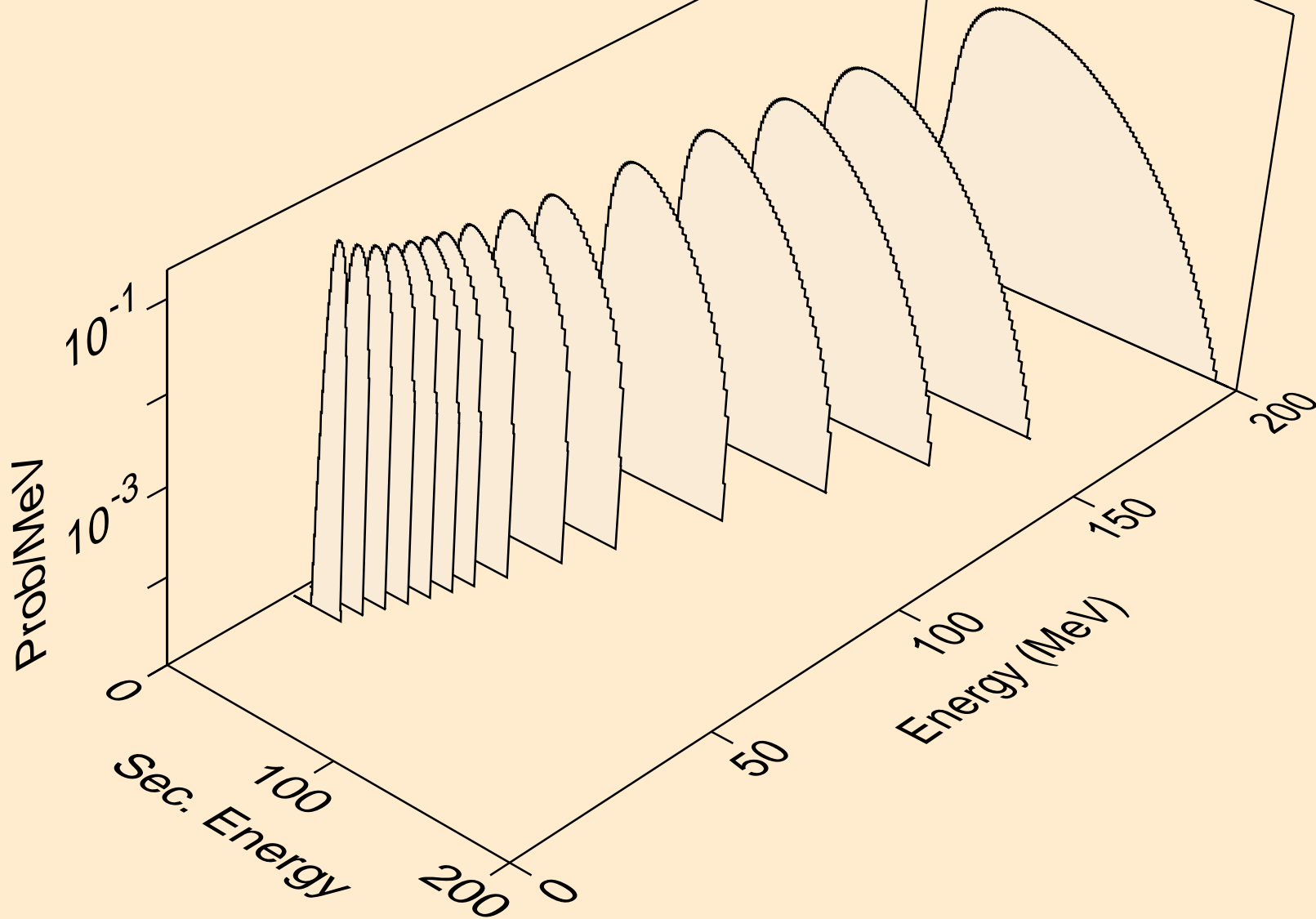
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



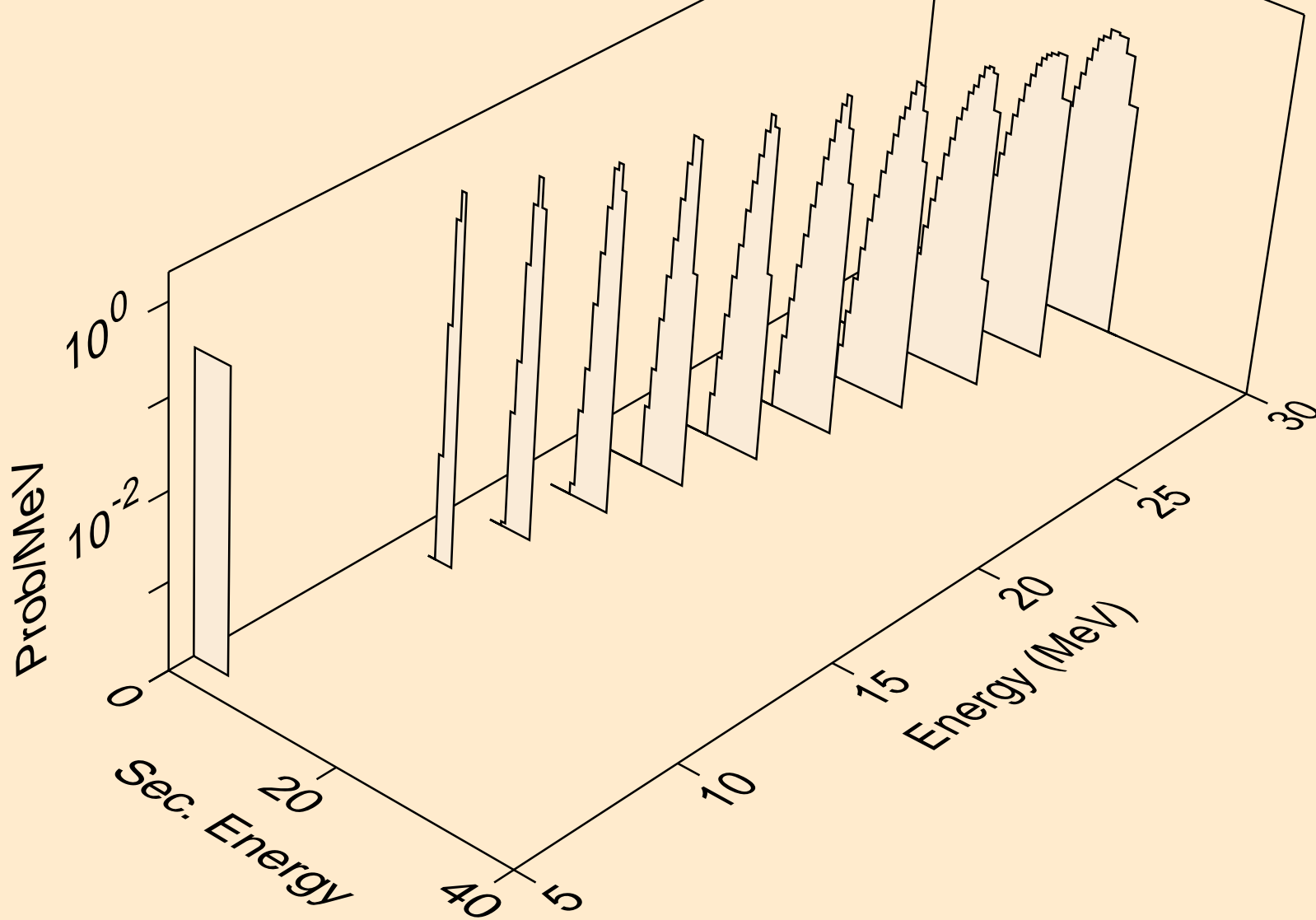
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



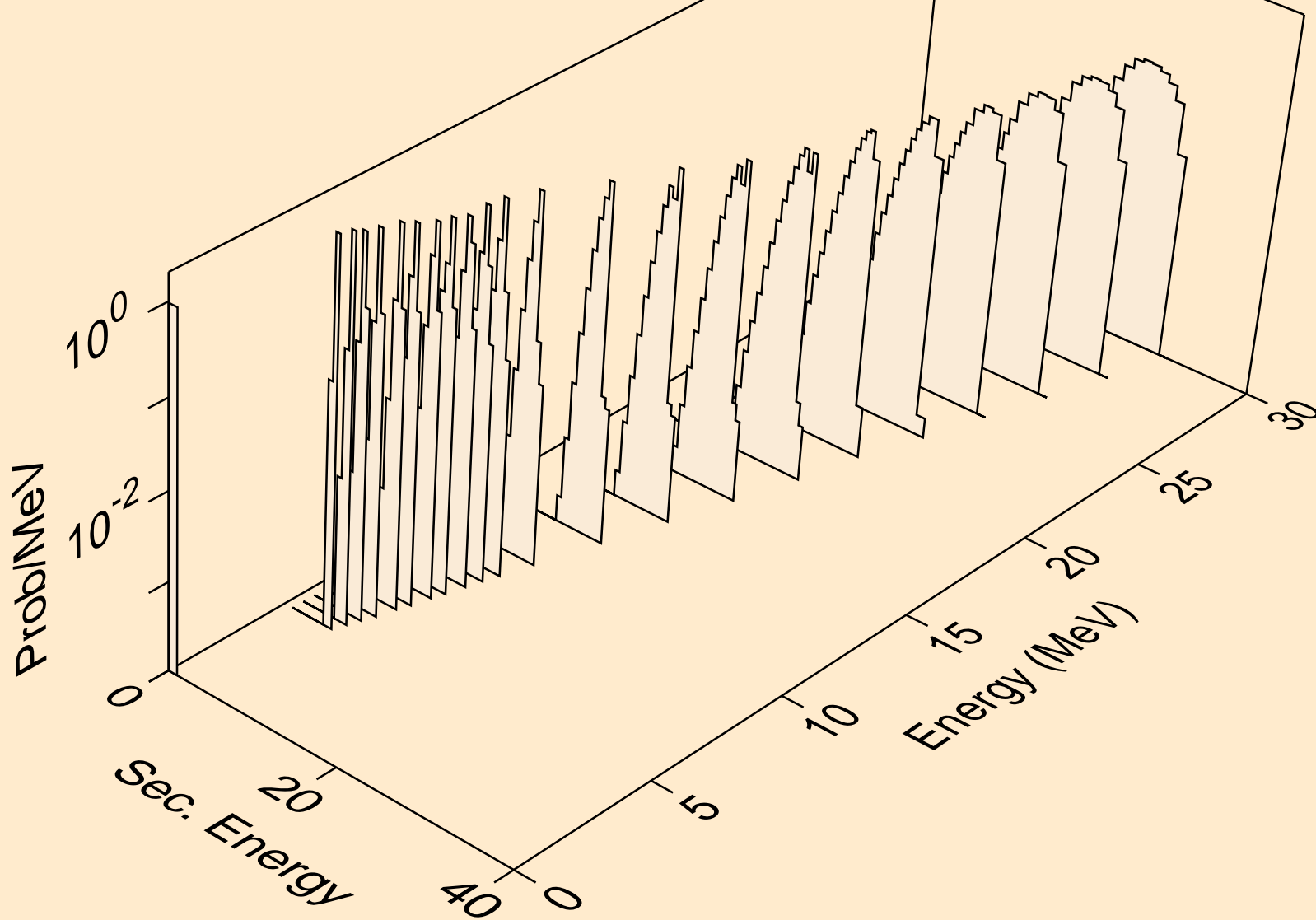
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



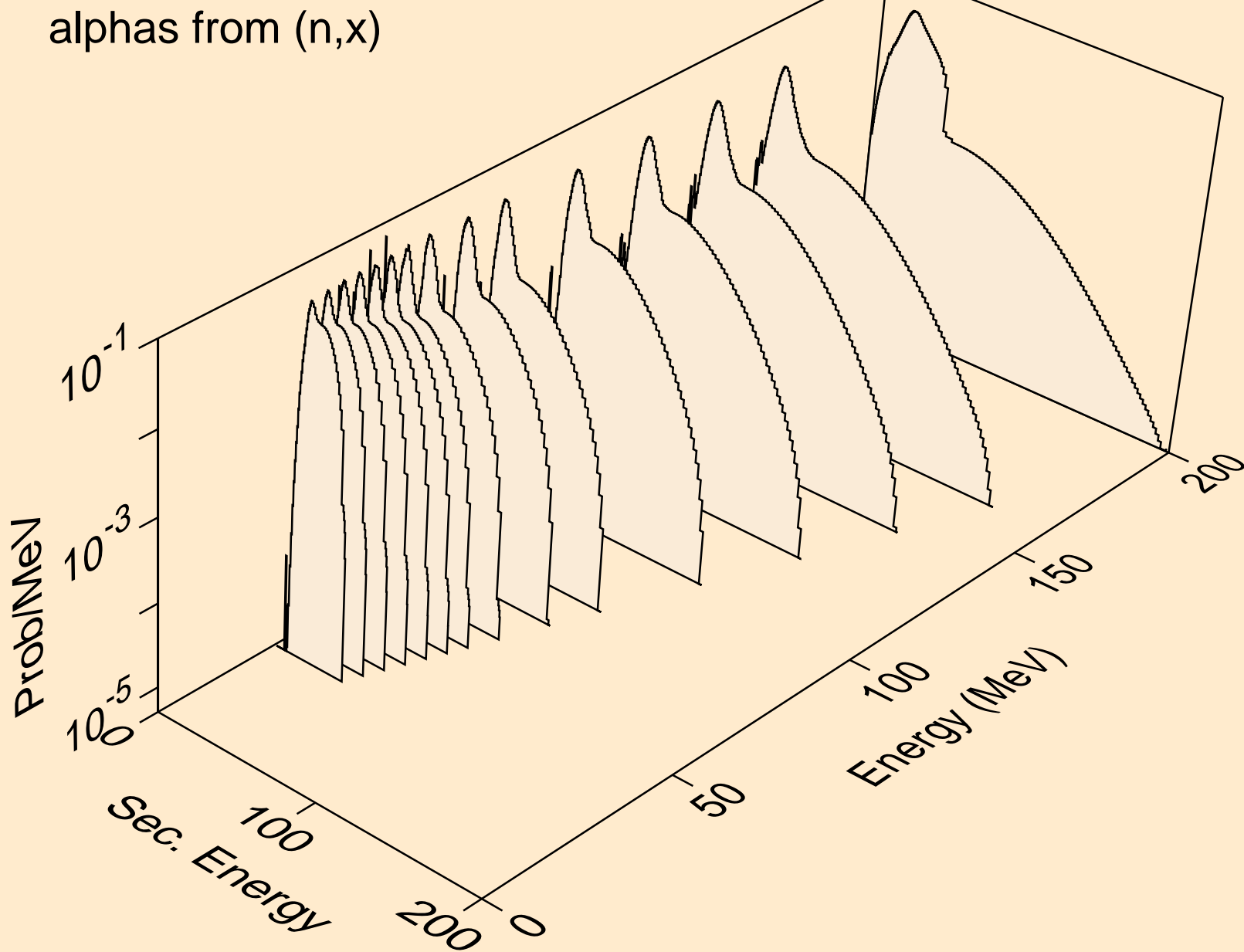
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he3s from (n,n*)he3



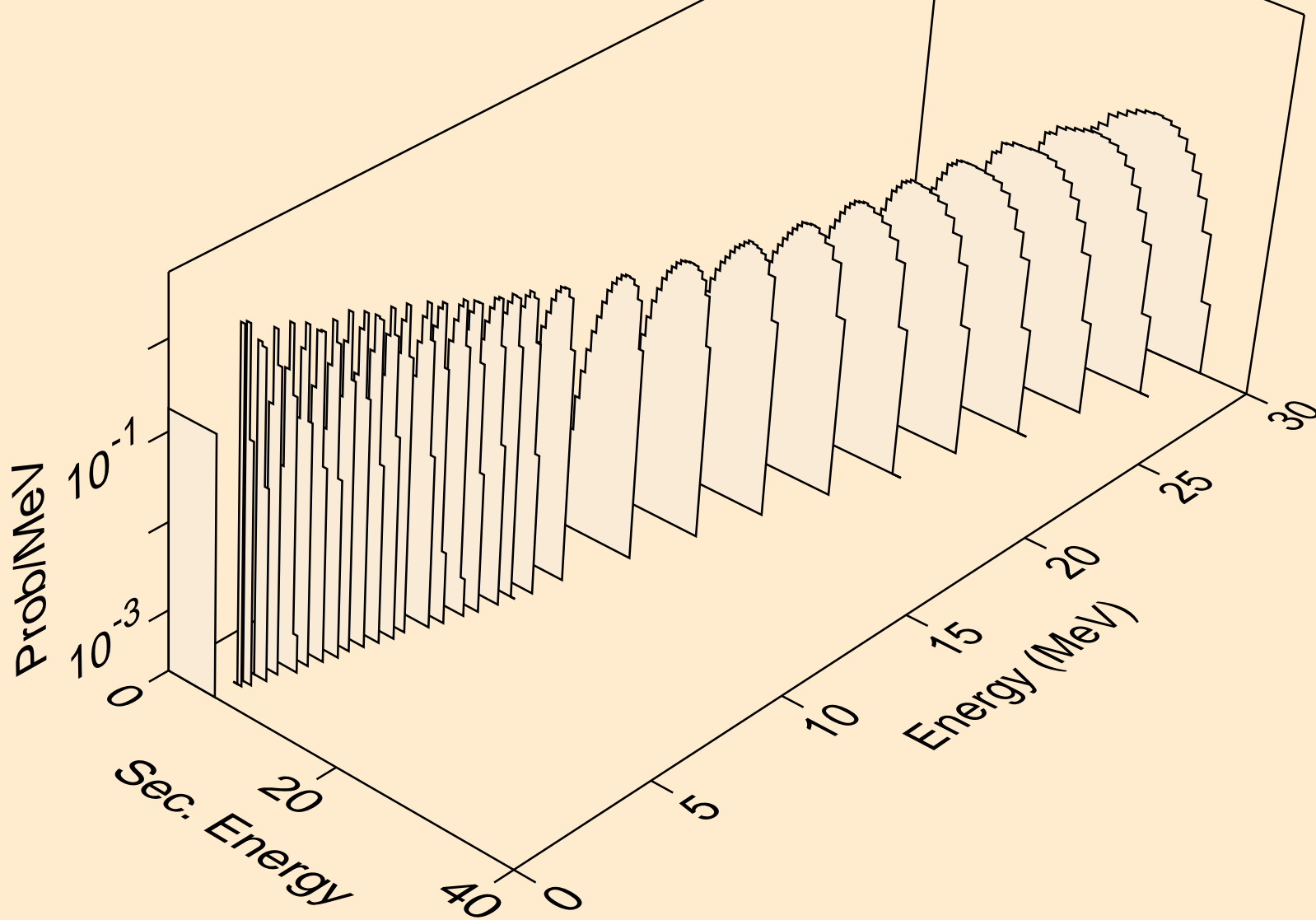
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he3s from (n,he3)



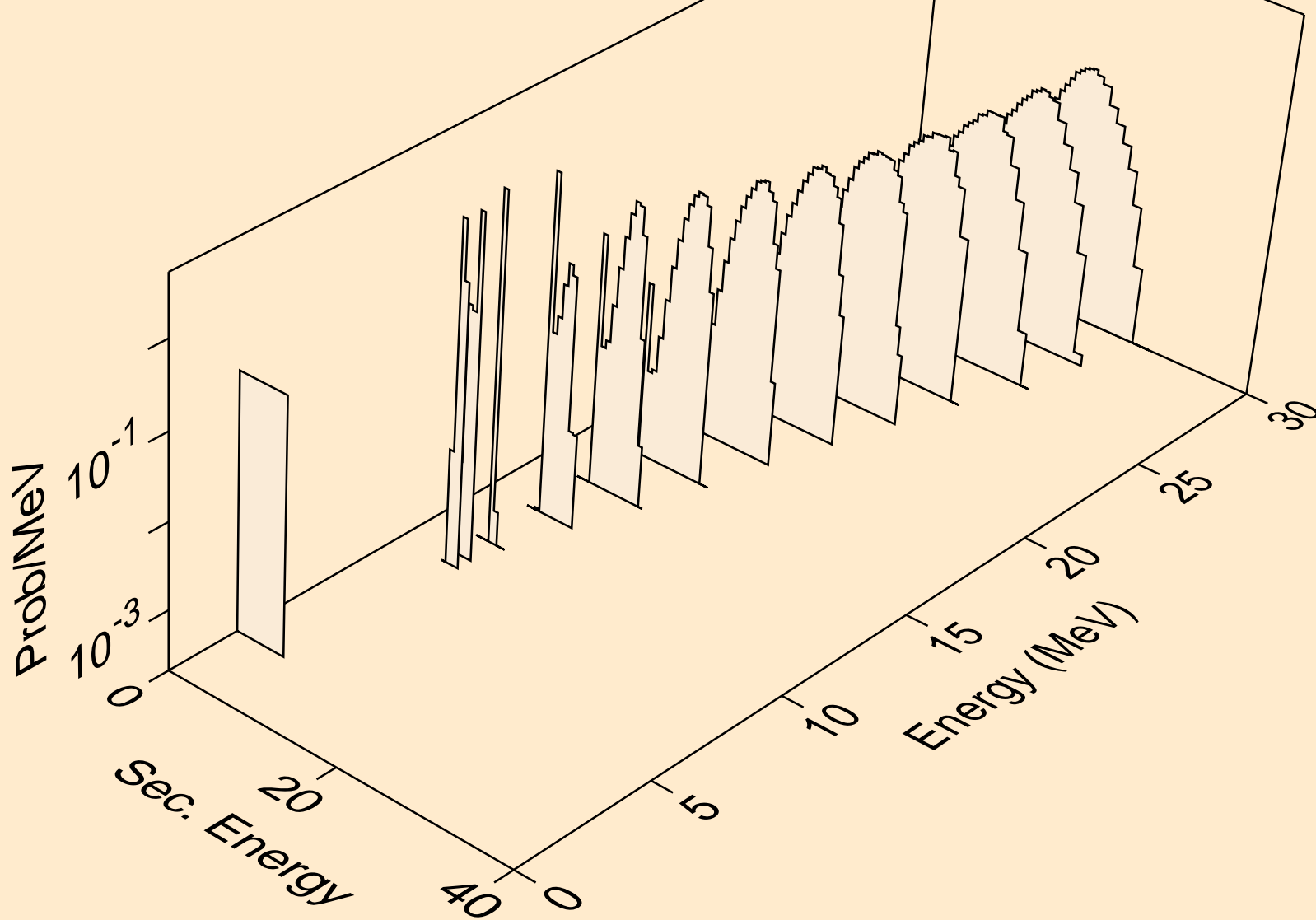
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alphas from (n,x)



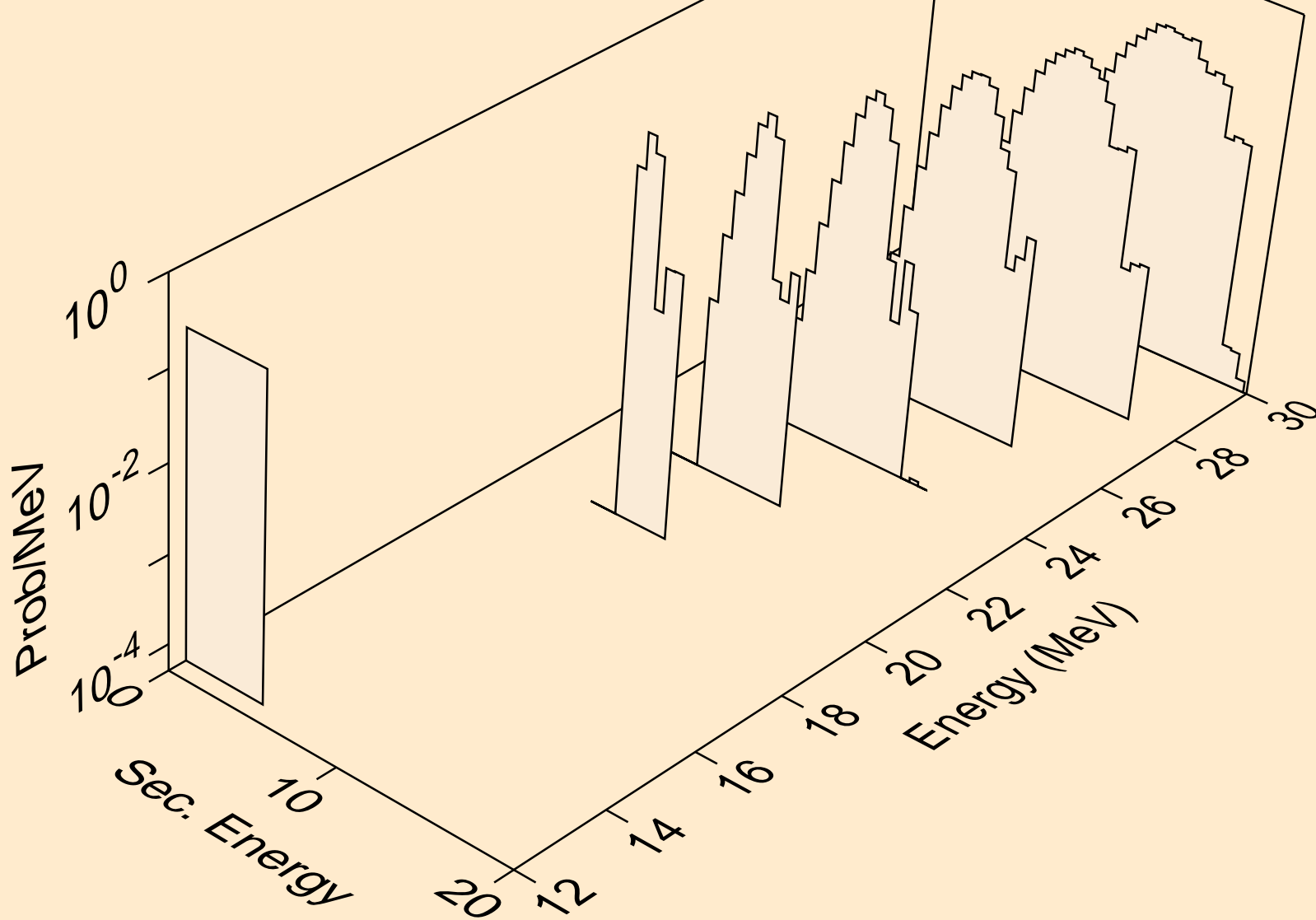
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alphas from (n,n*)a



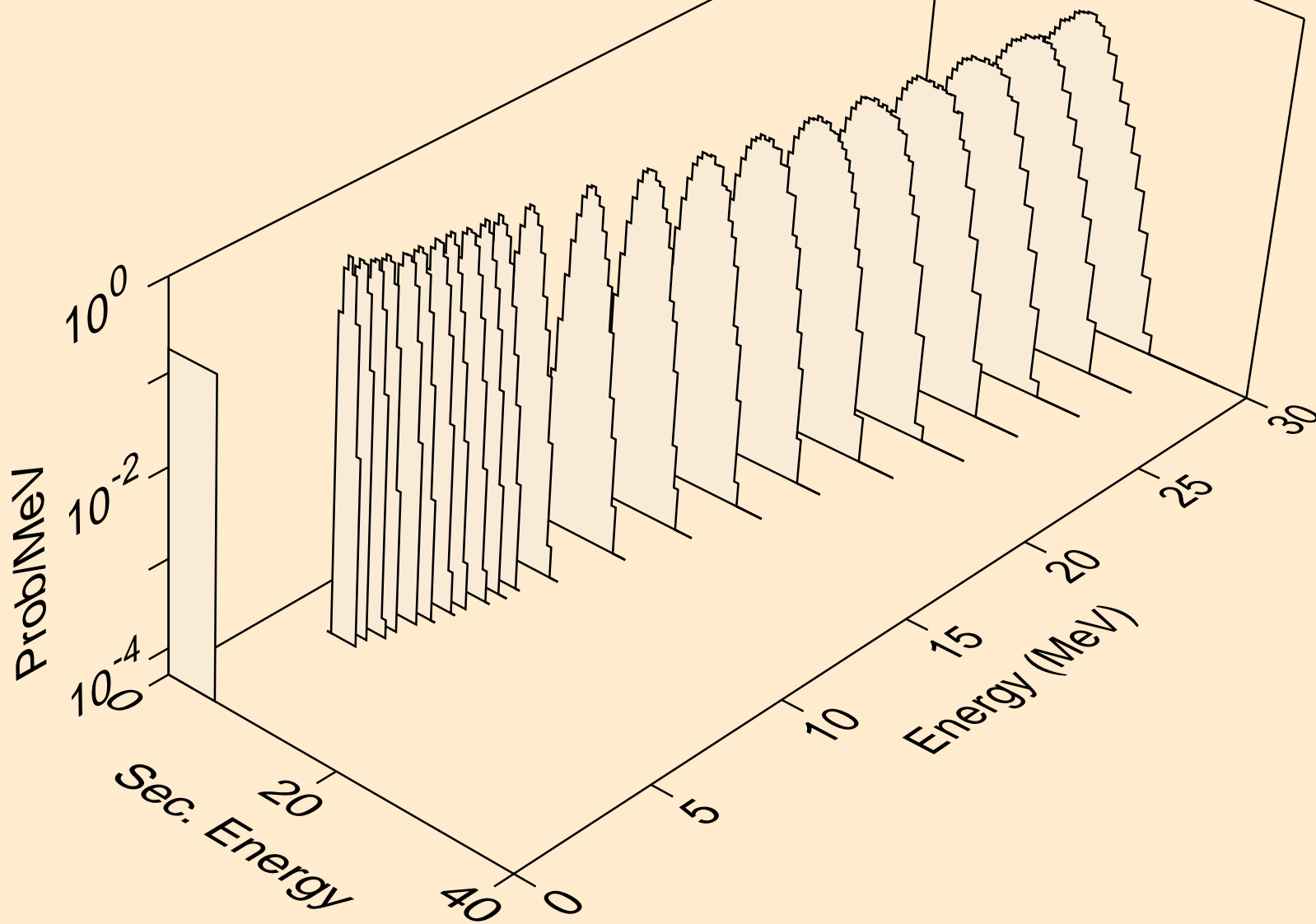
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



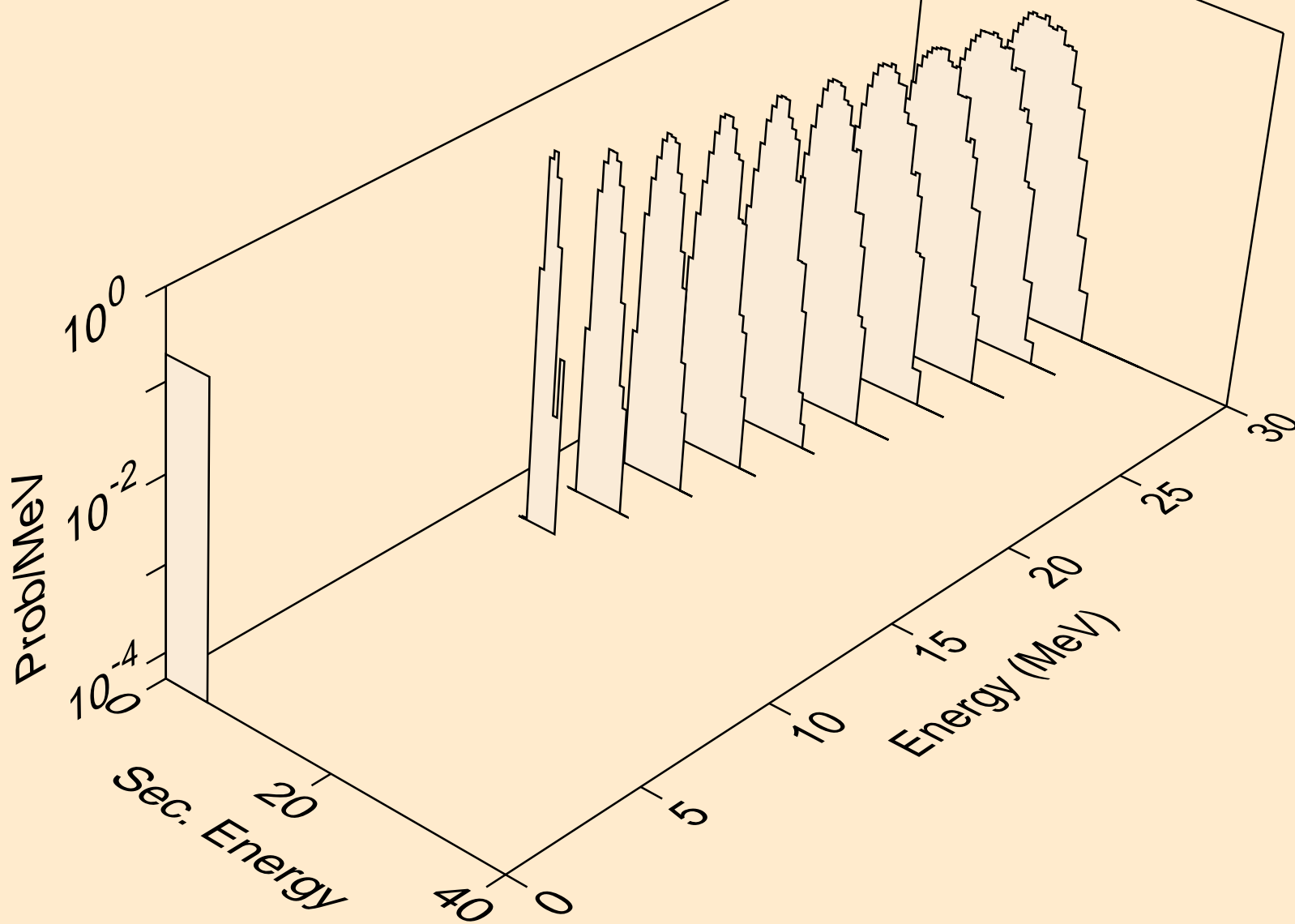
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n) α



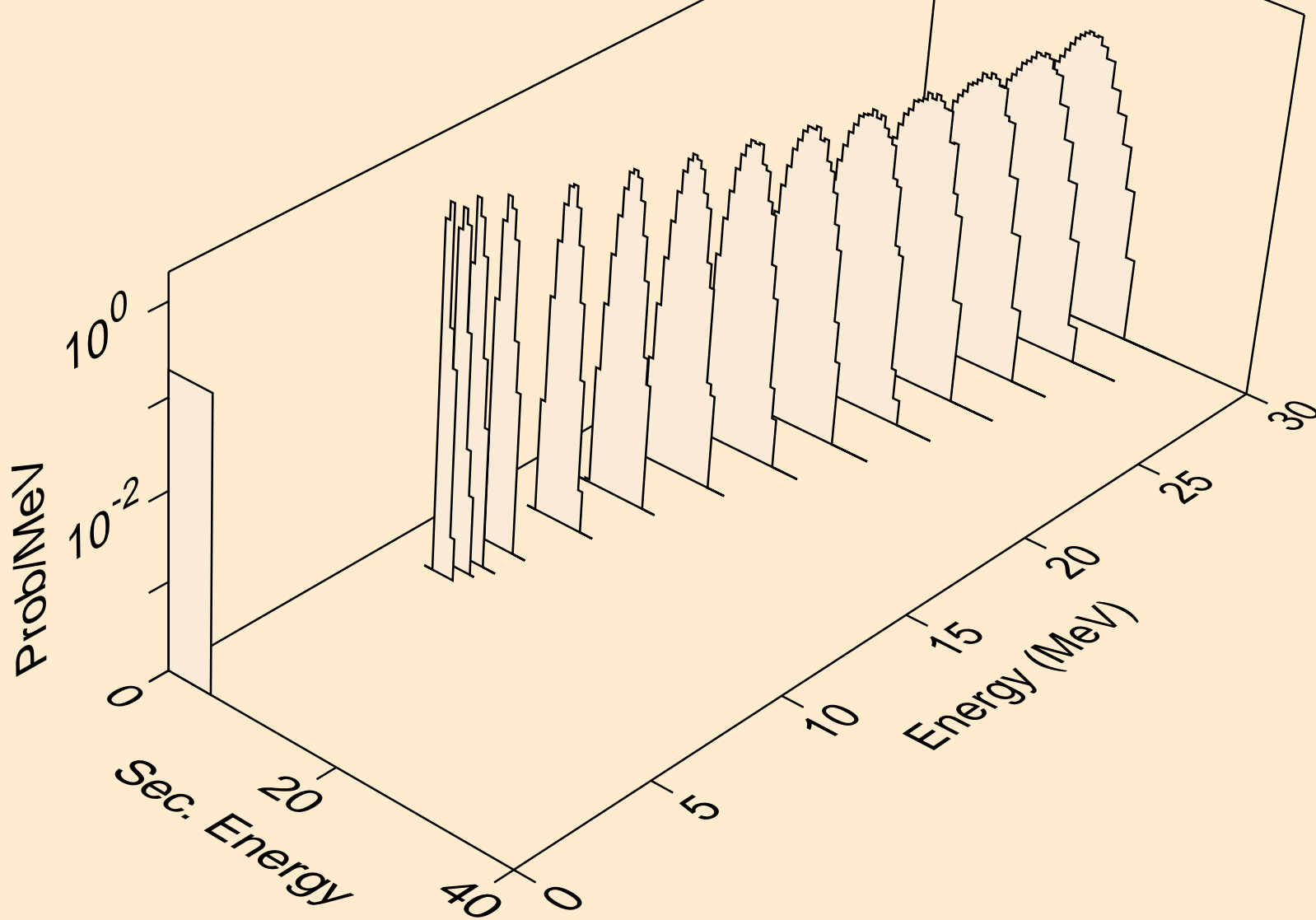
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



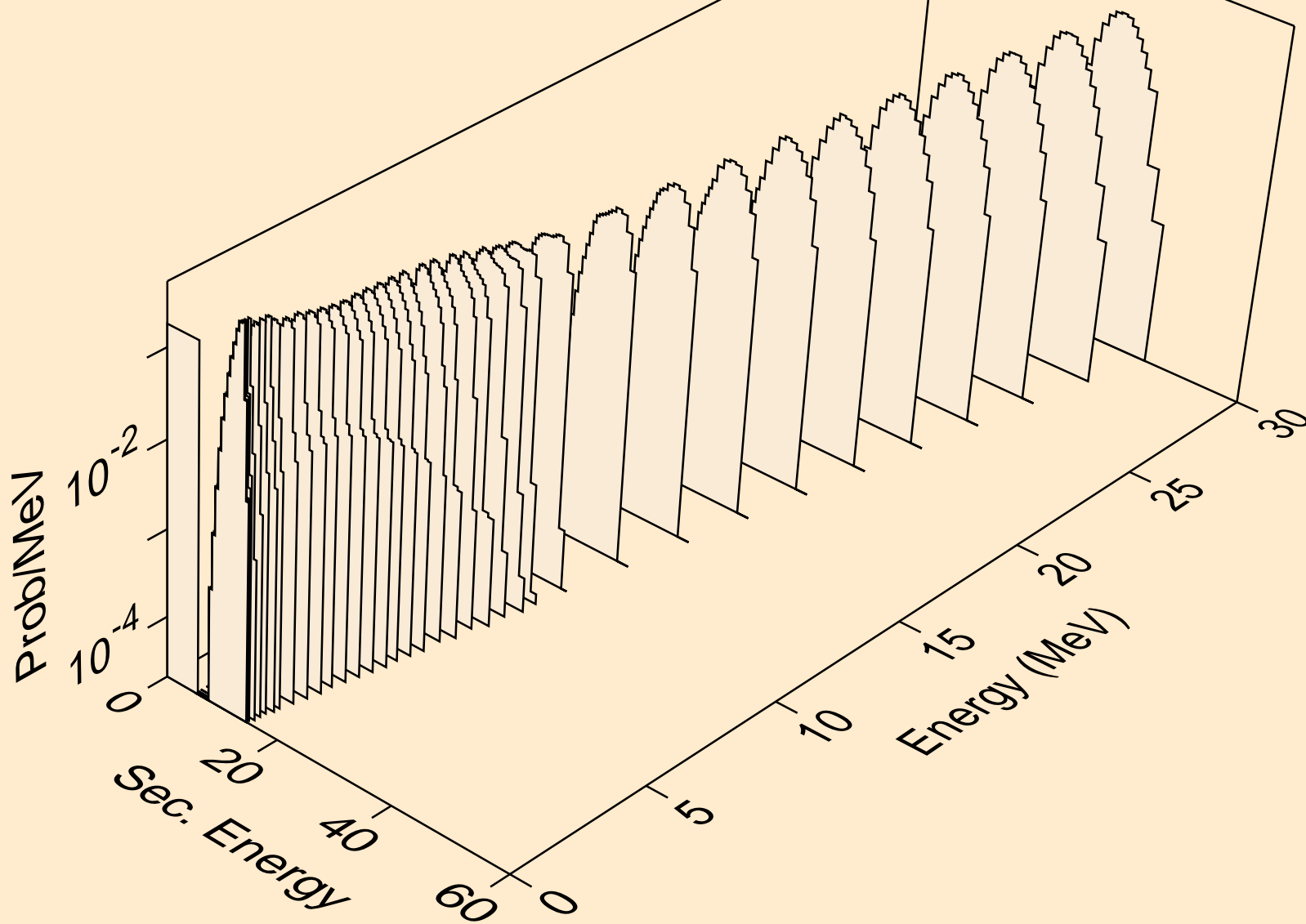
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



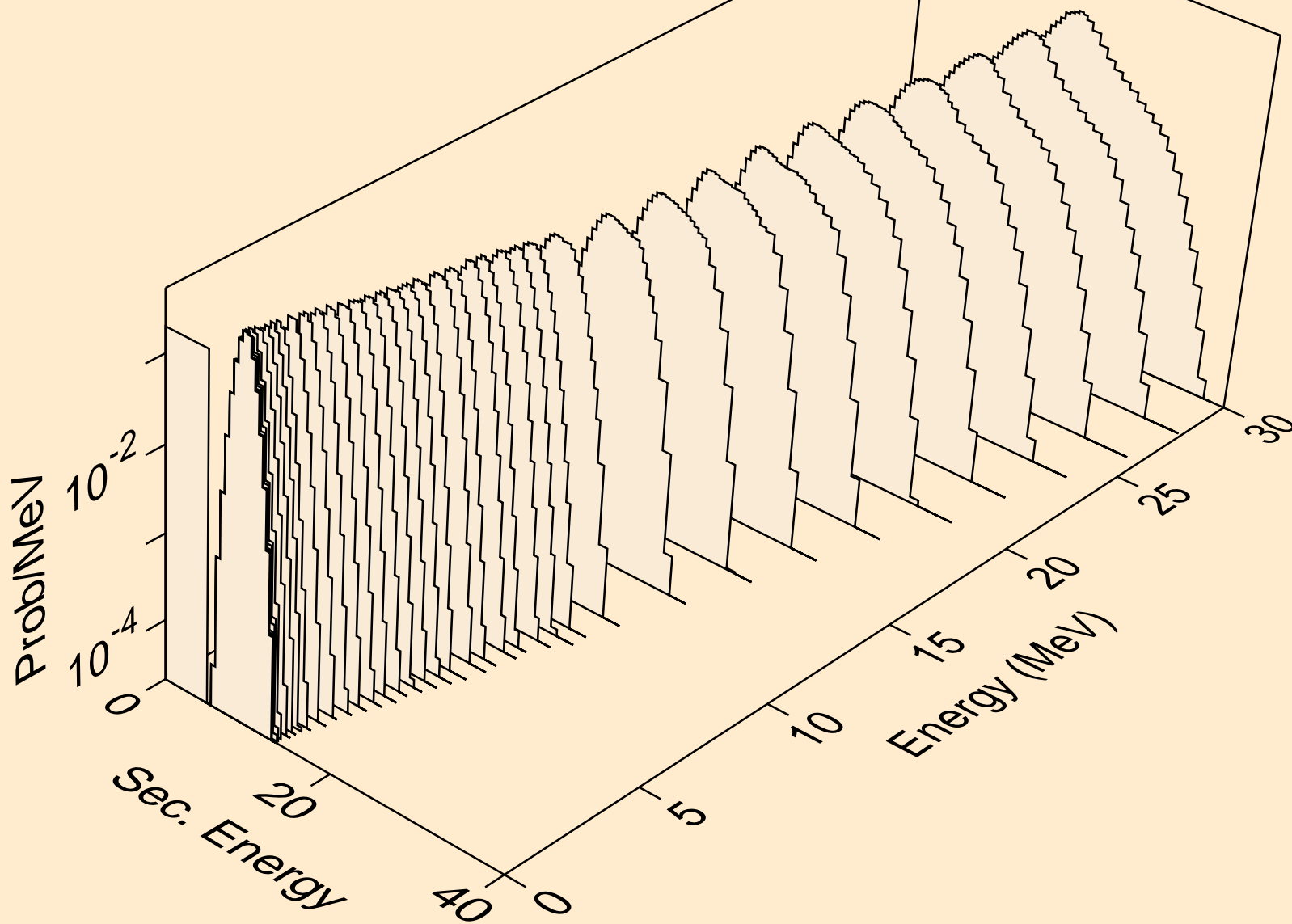
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



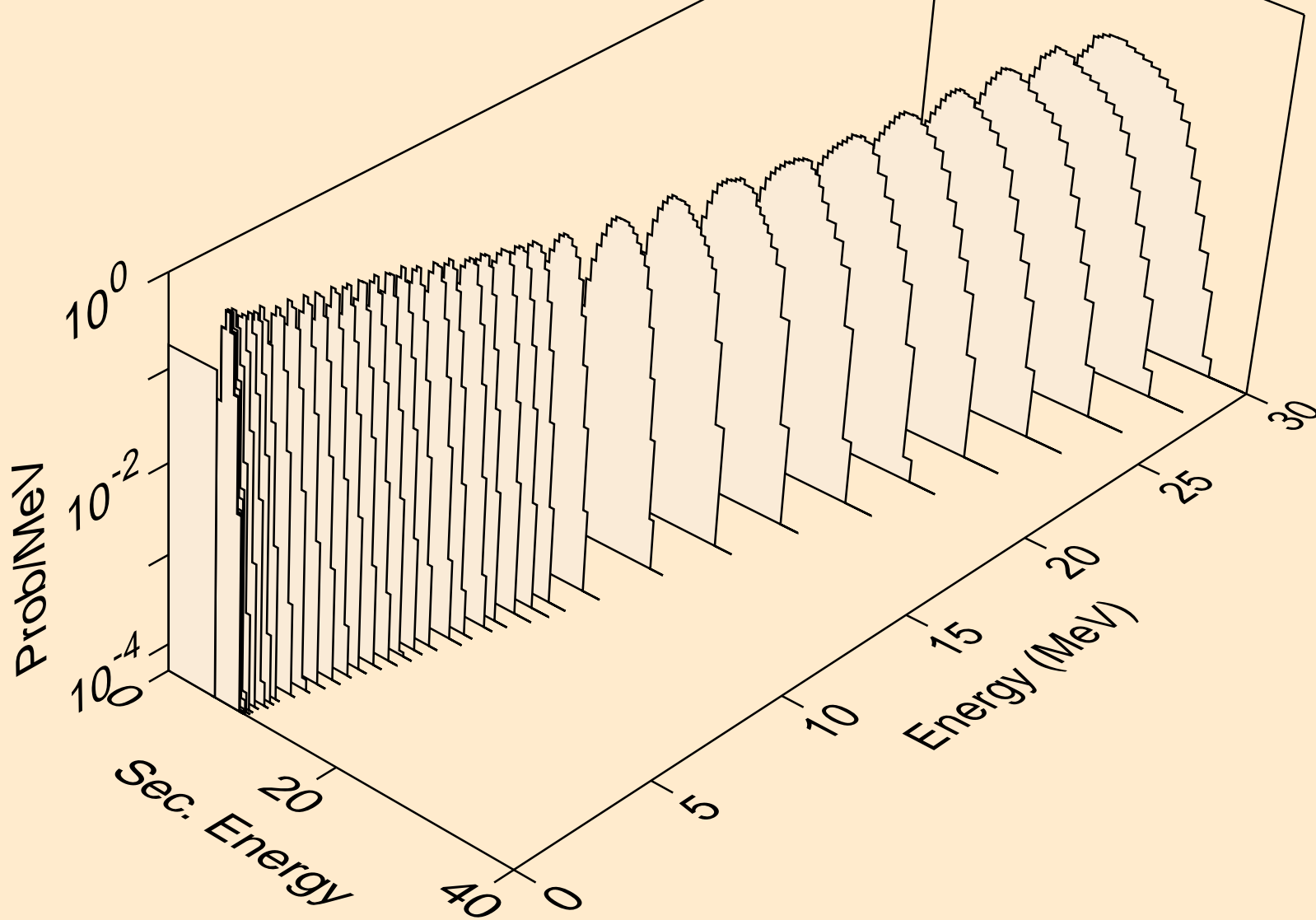
HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,p)



HG187 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

