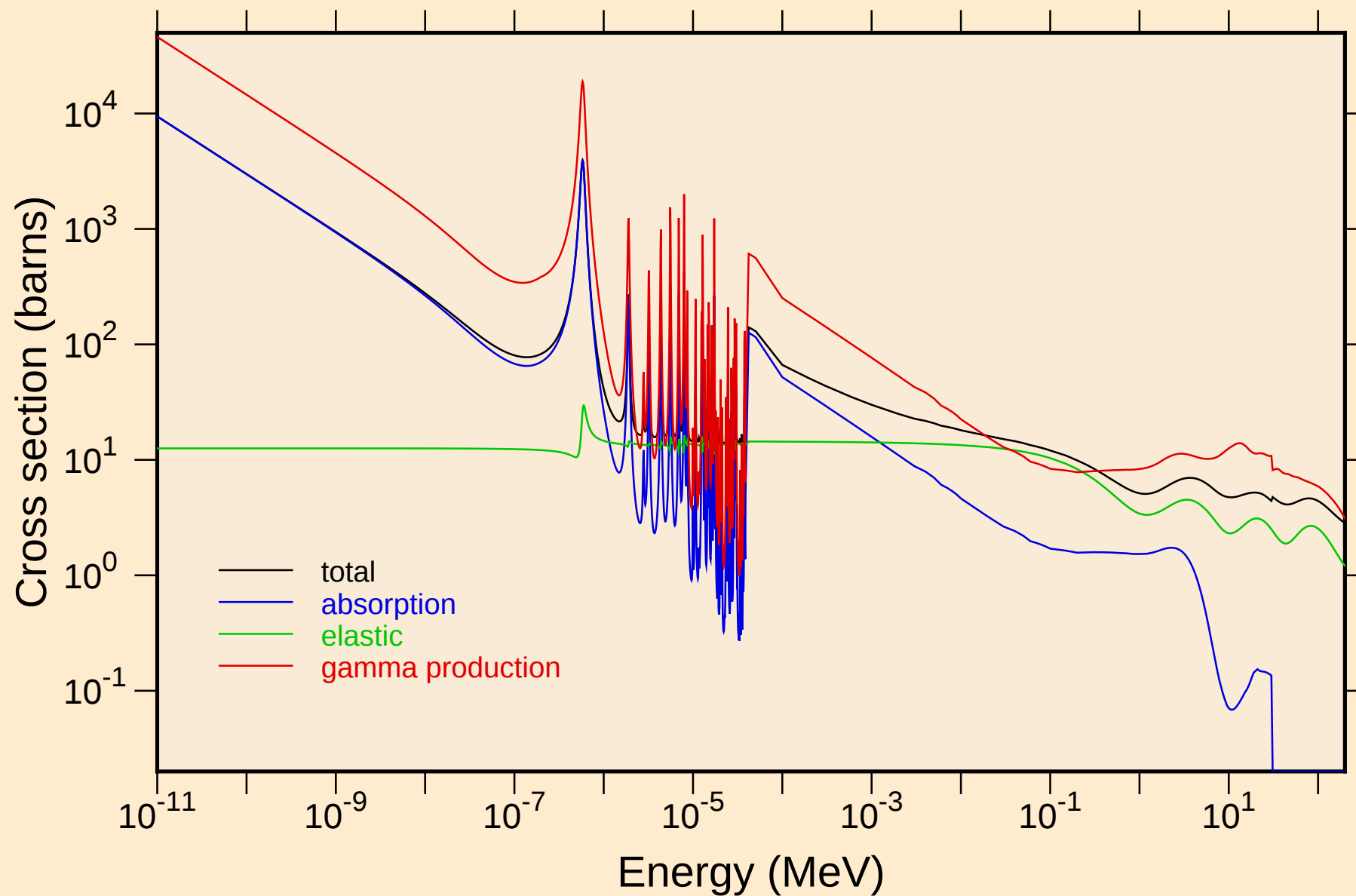
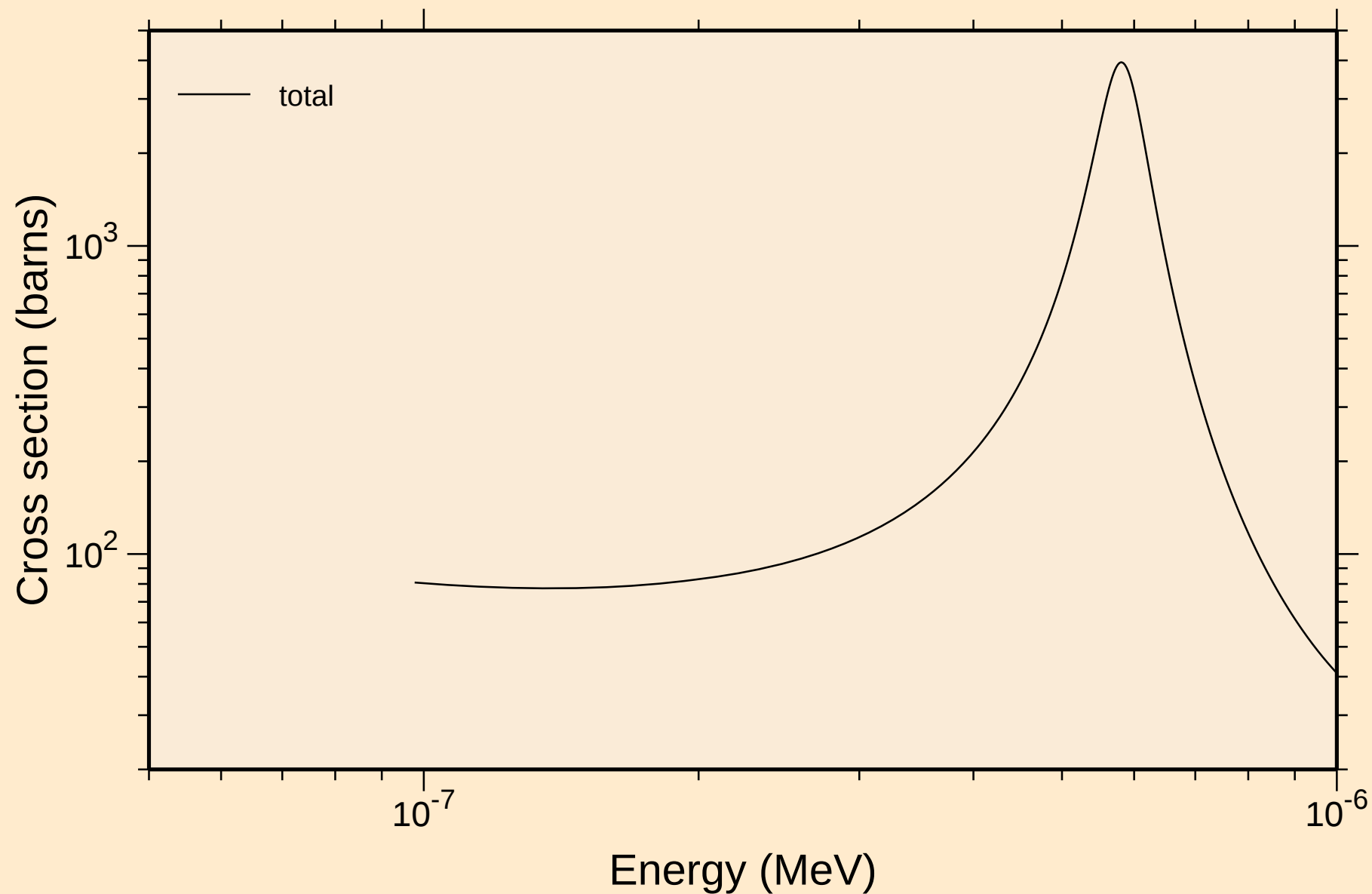


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

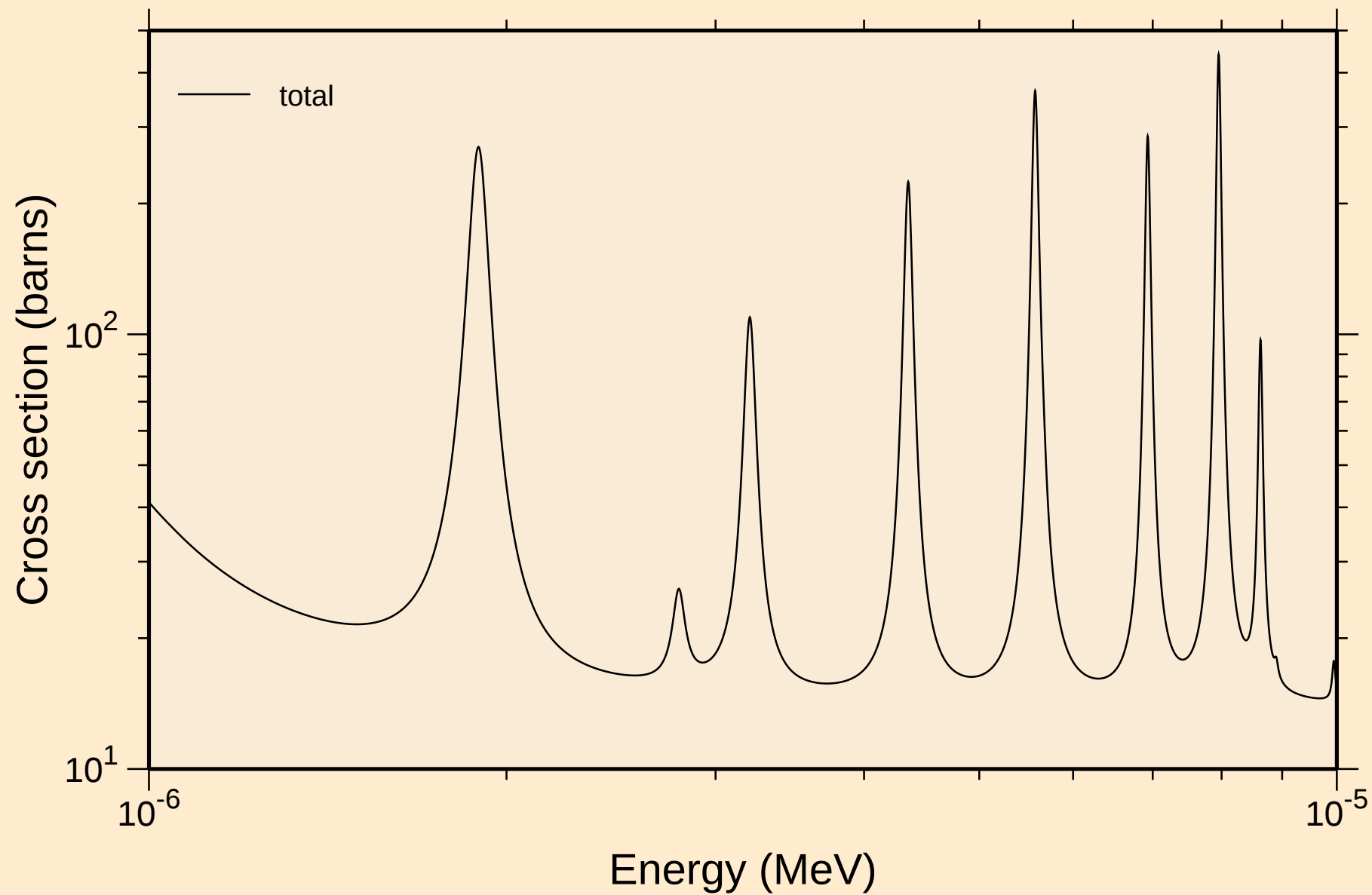
Principal cross sections



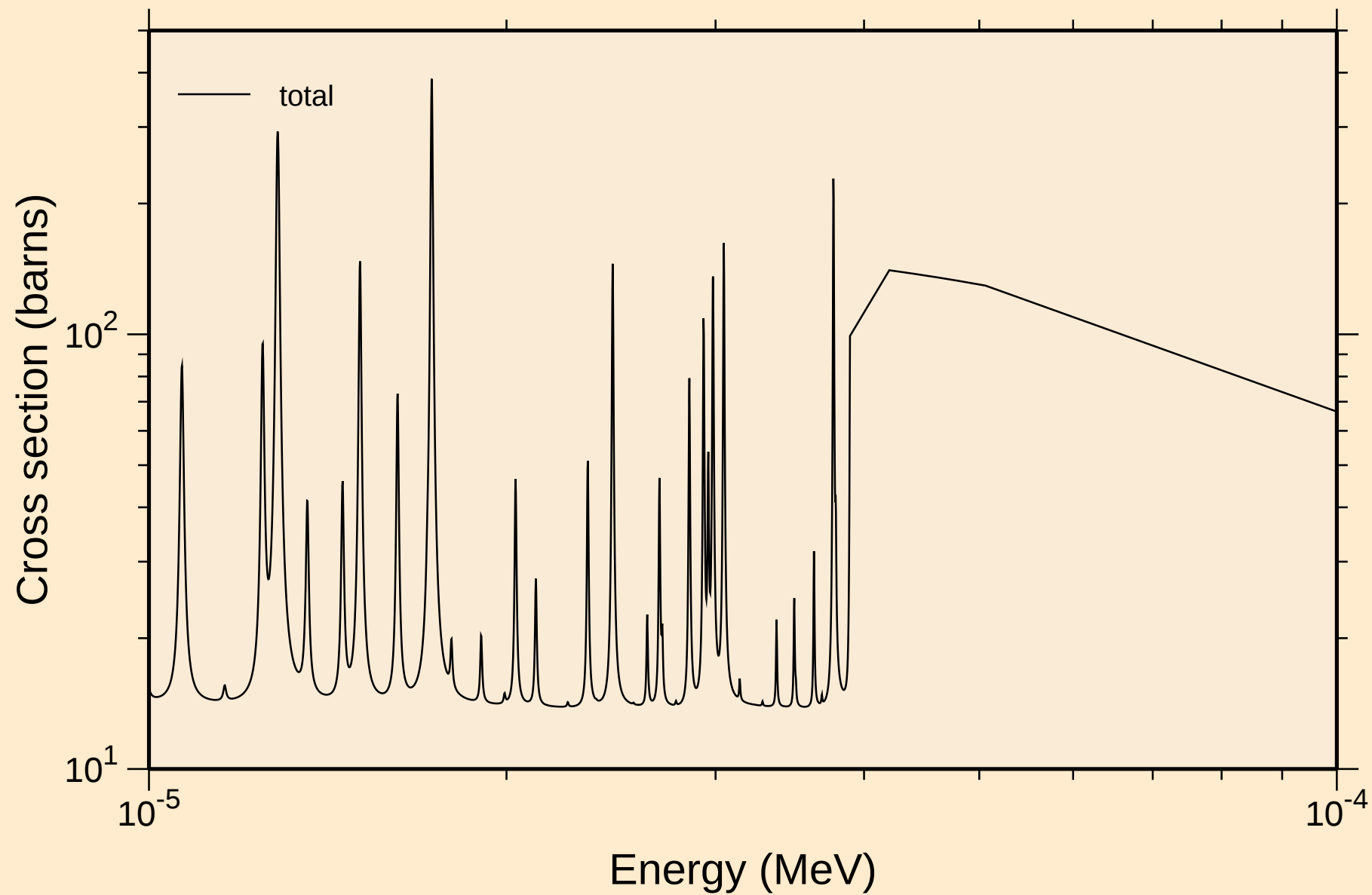
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section



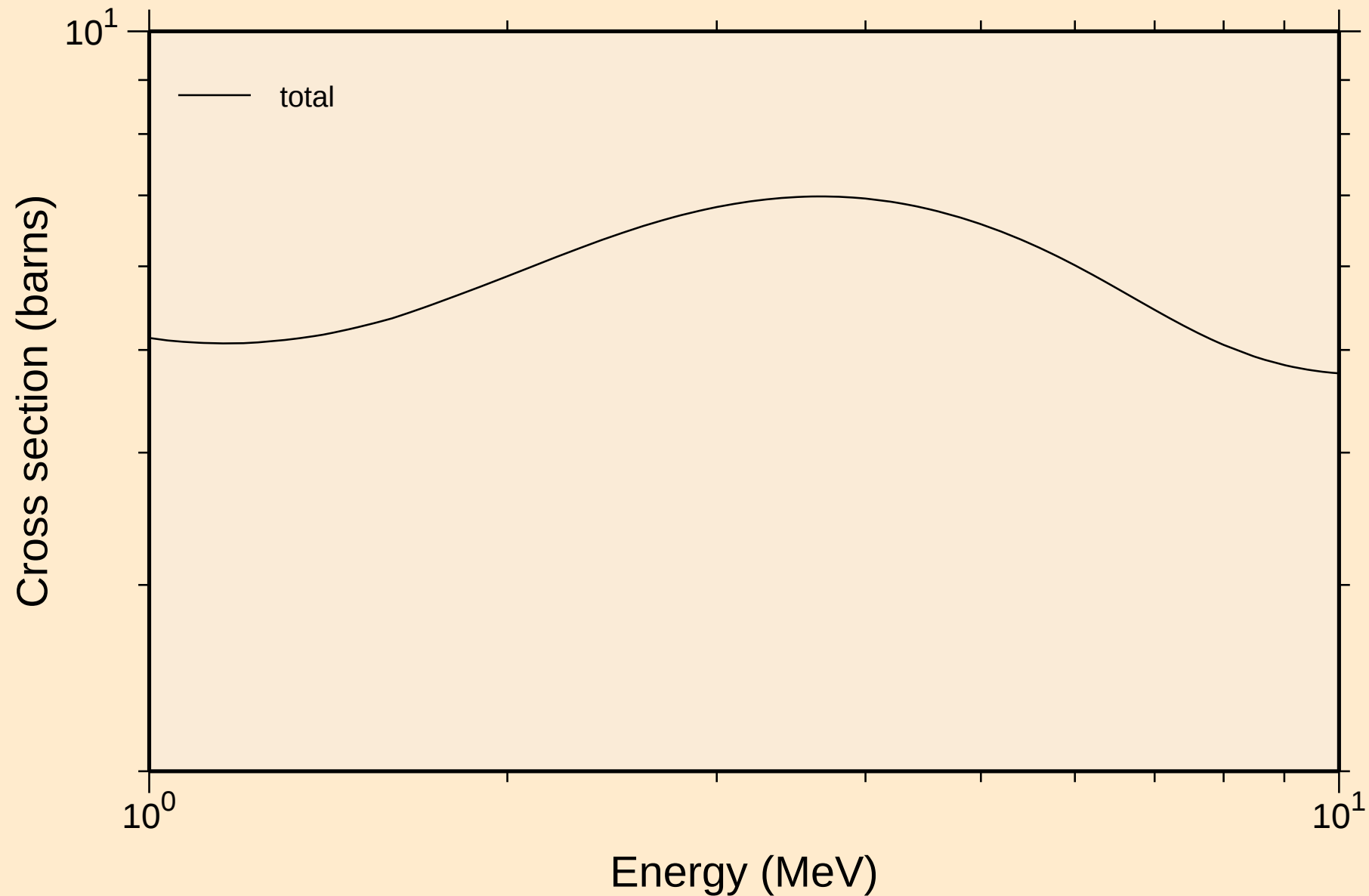
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resonance total cross section



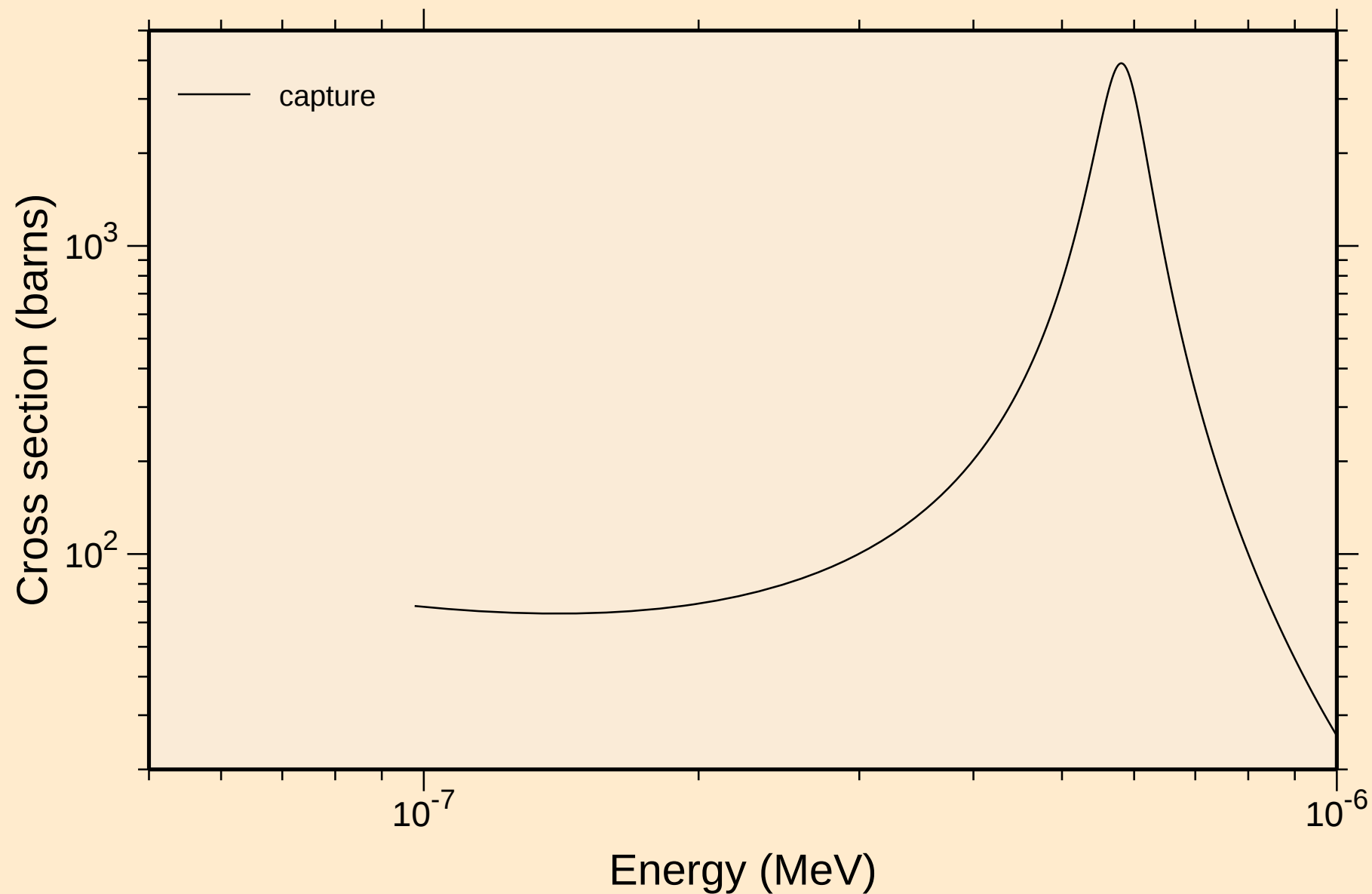
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section



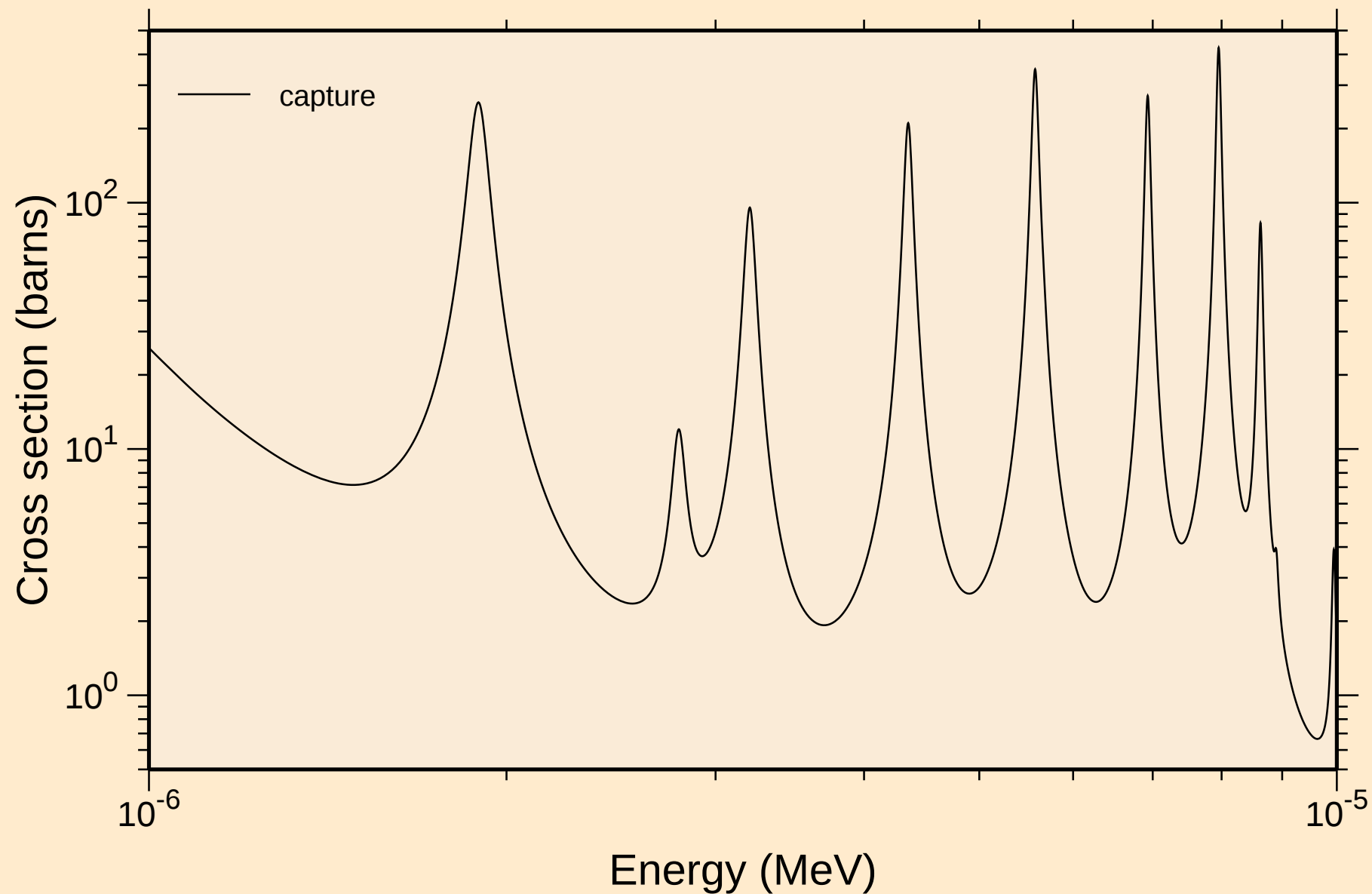
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance total cross section



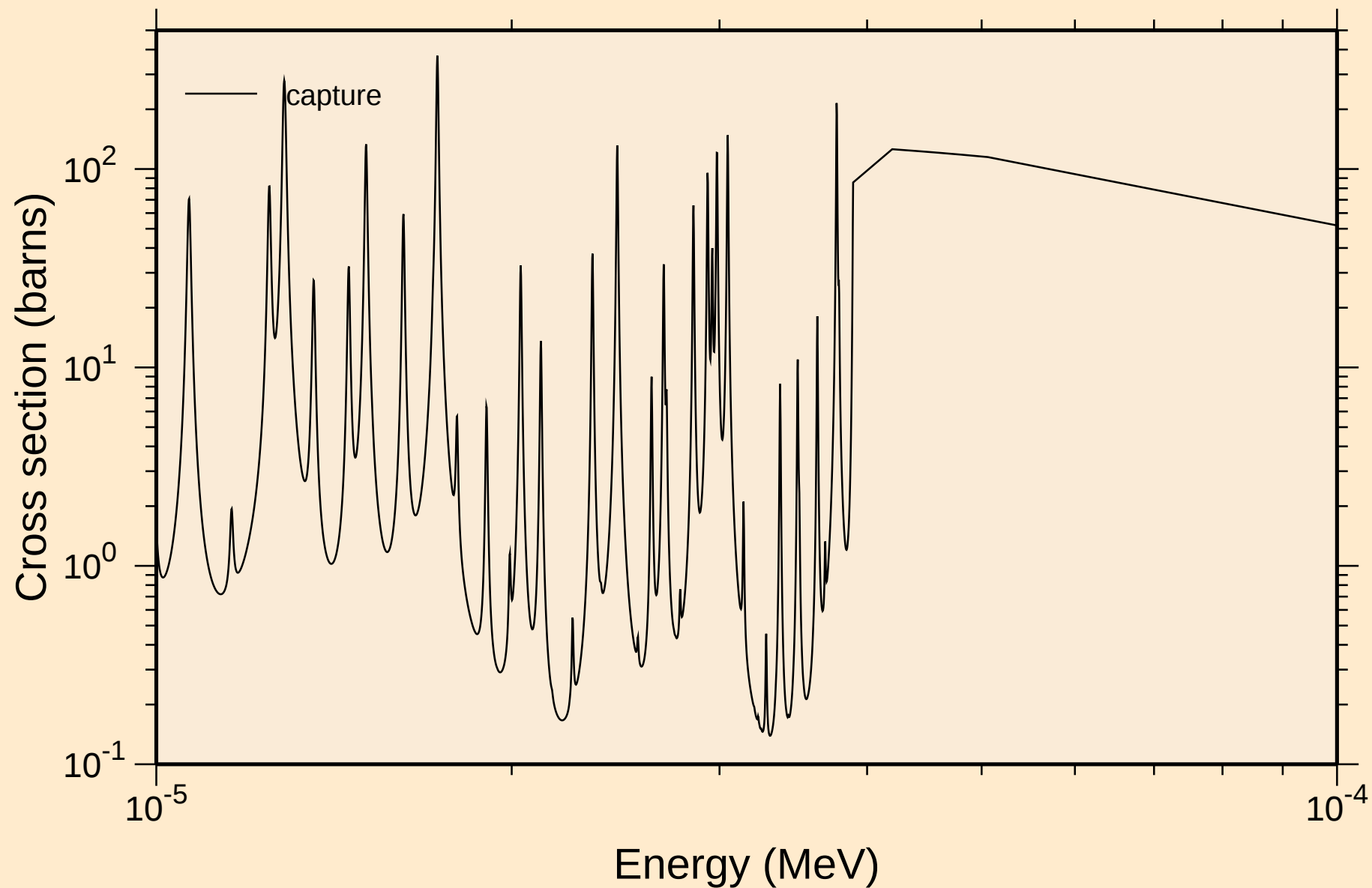
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections



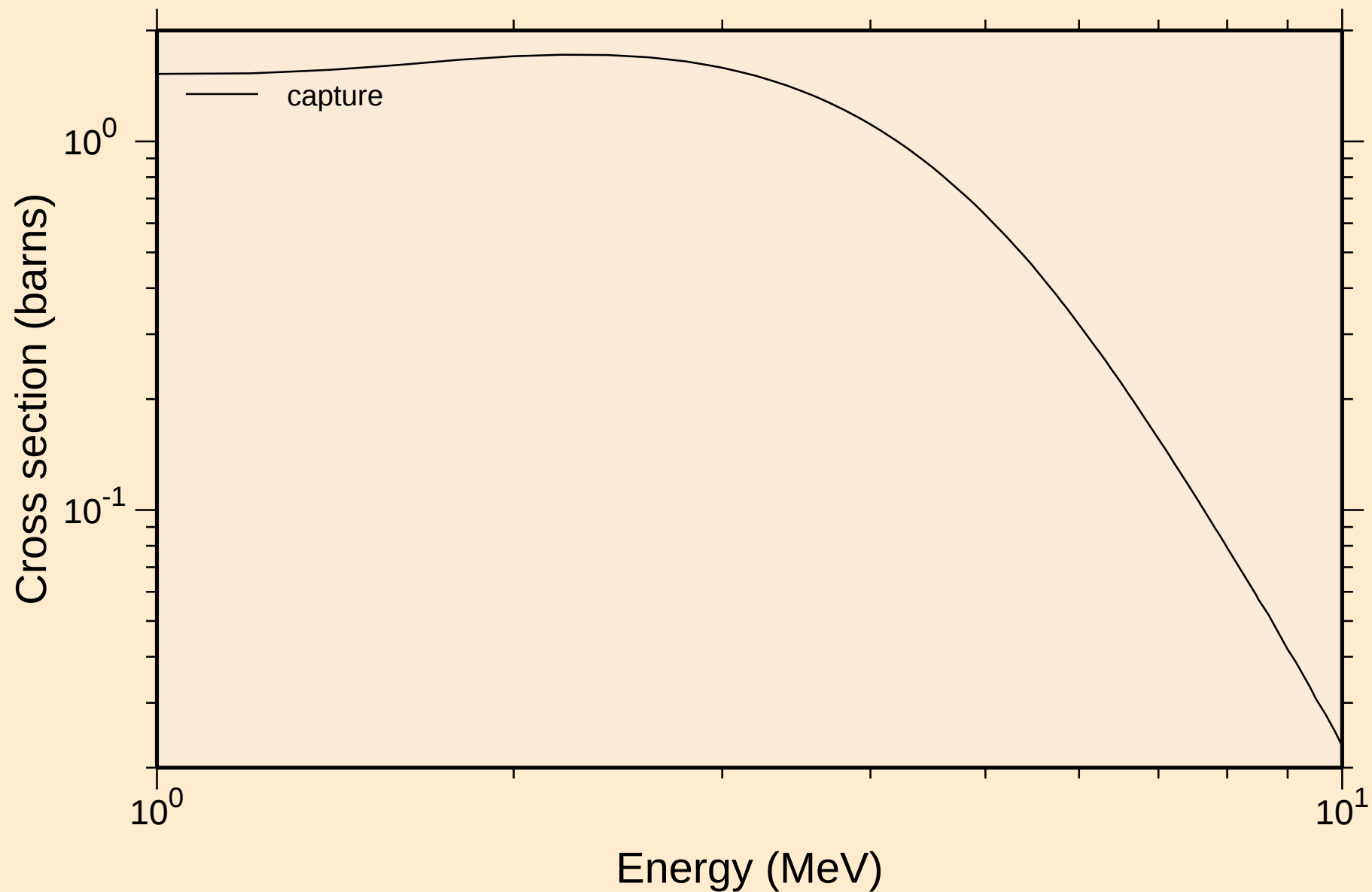
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections

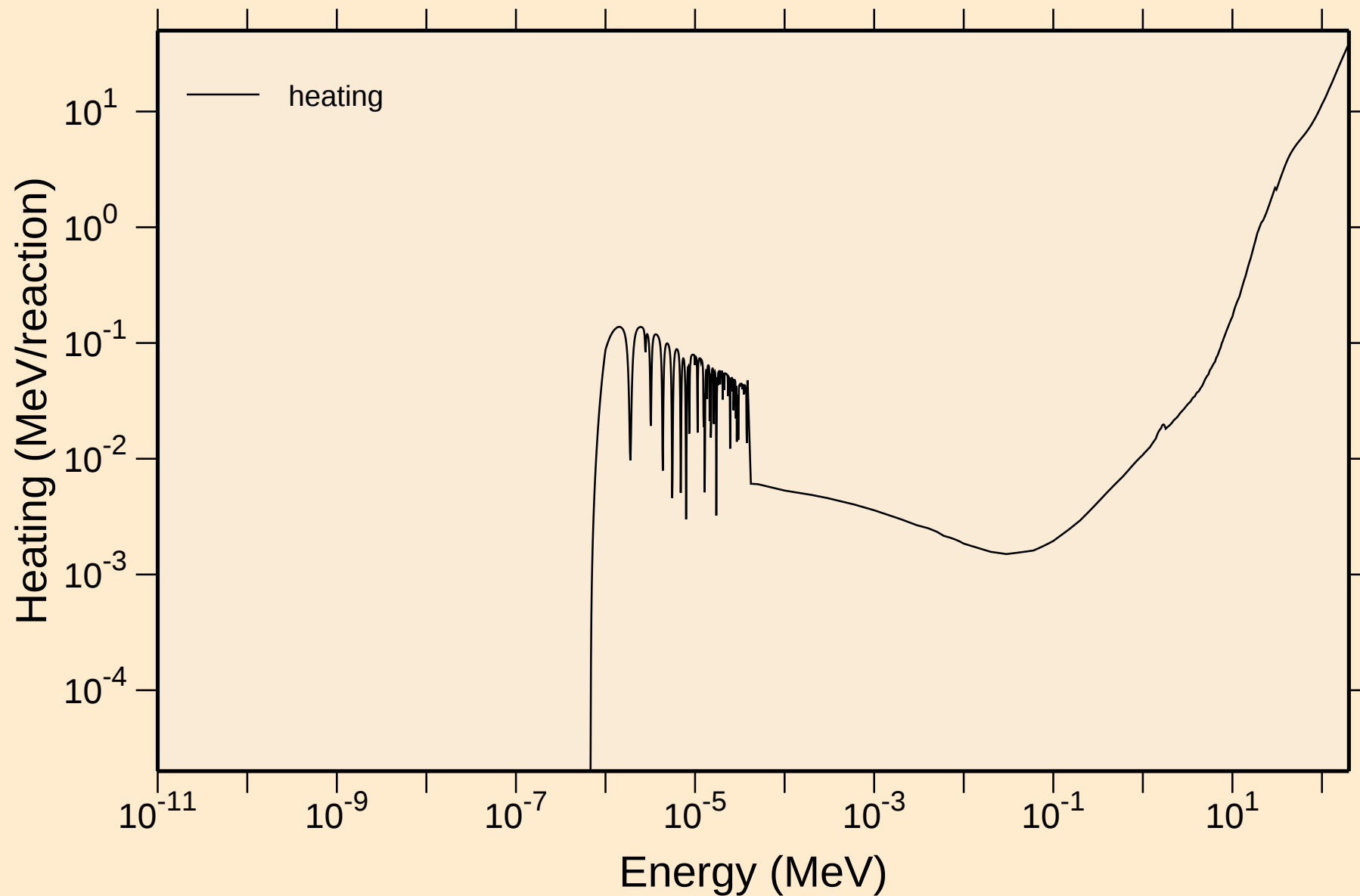


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
resonance absorption cross sections



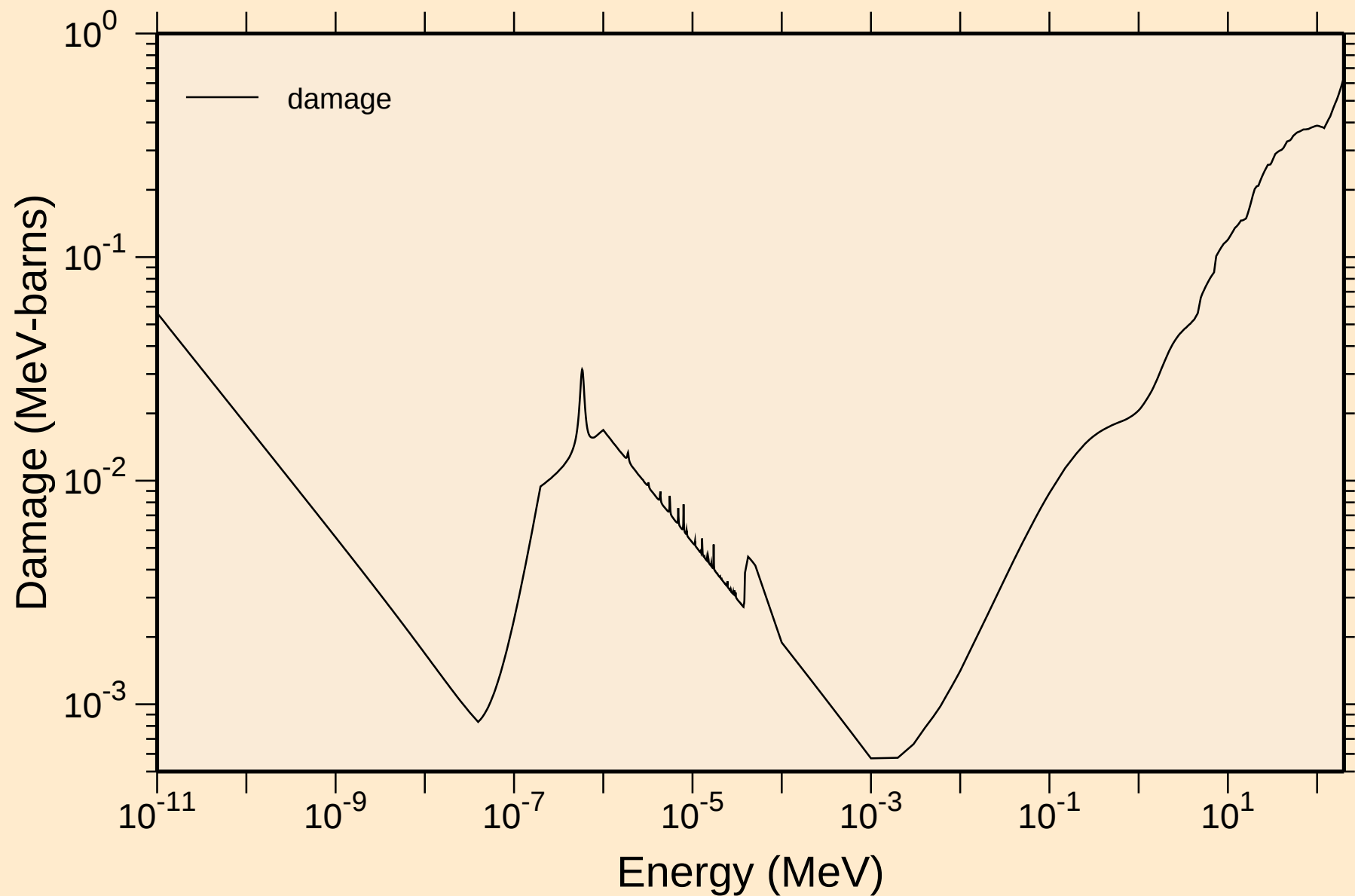
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Heating

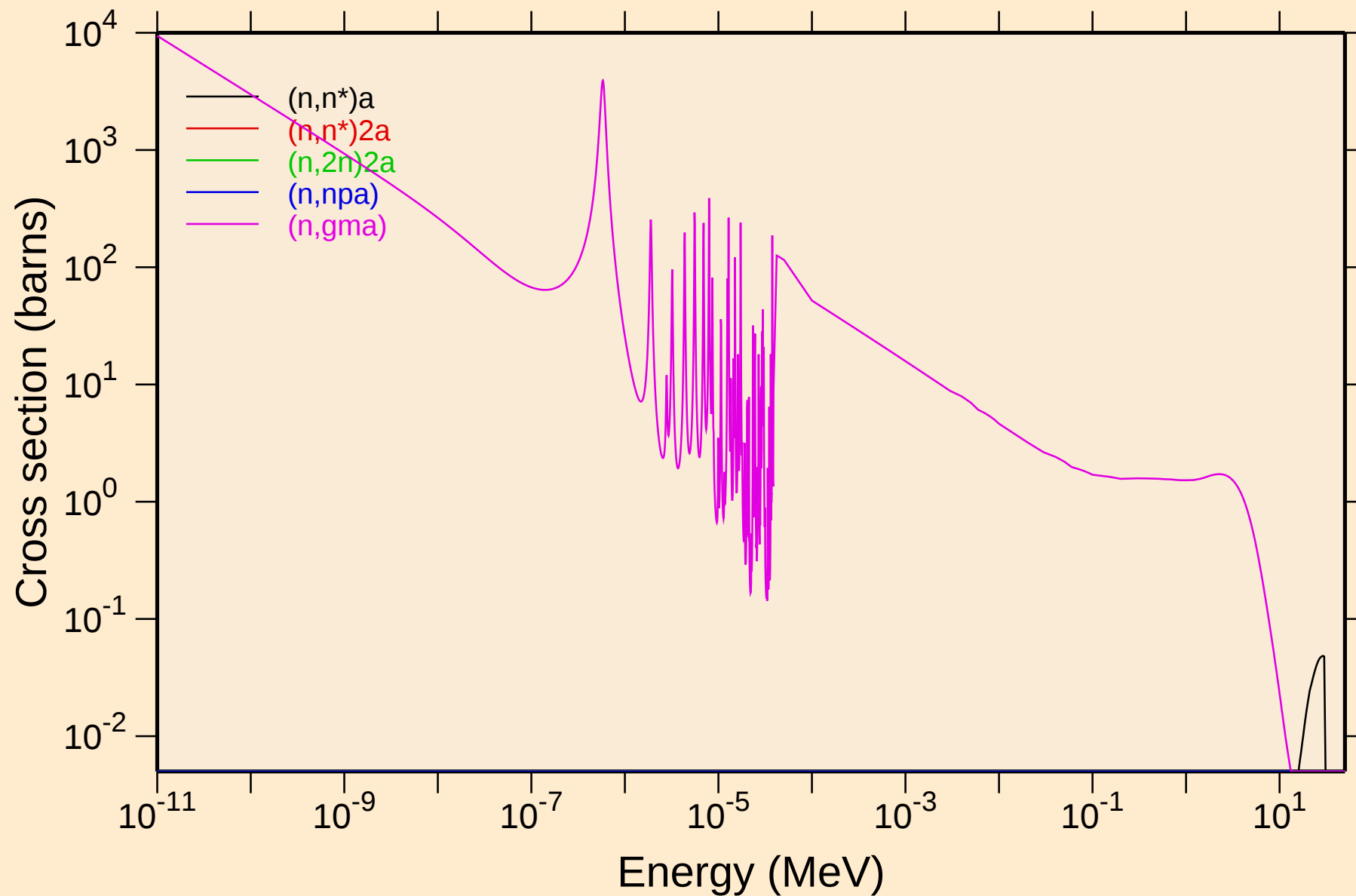


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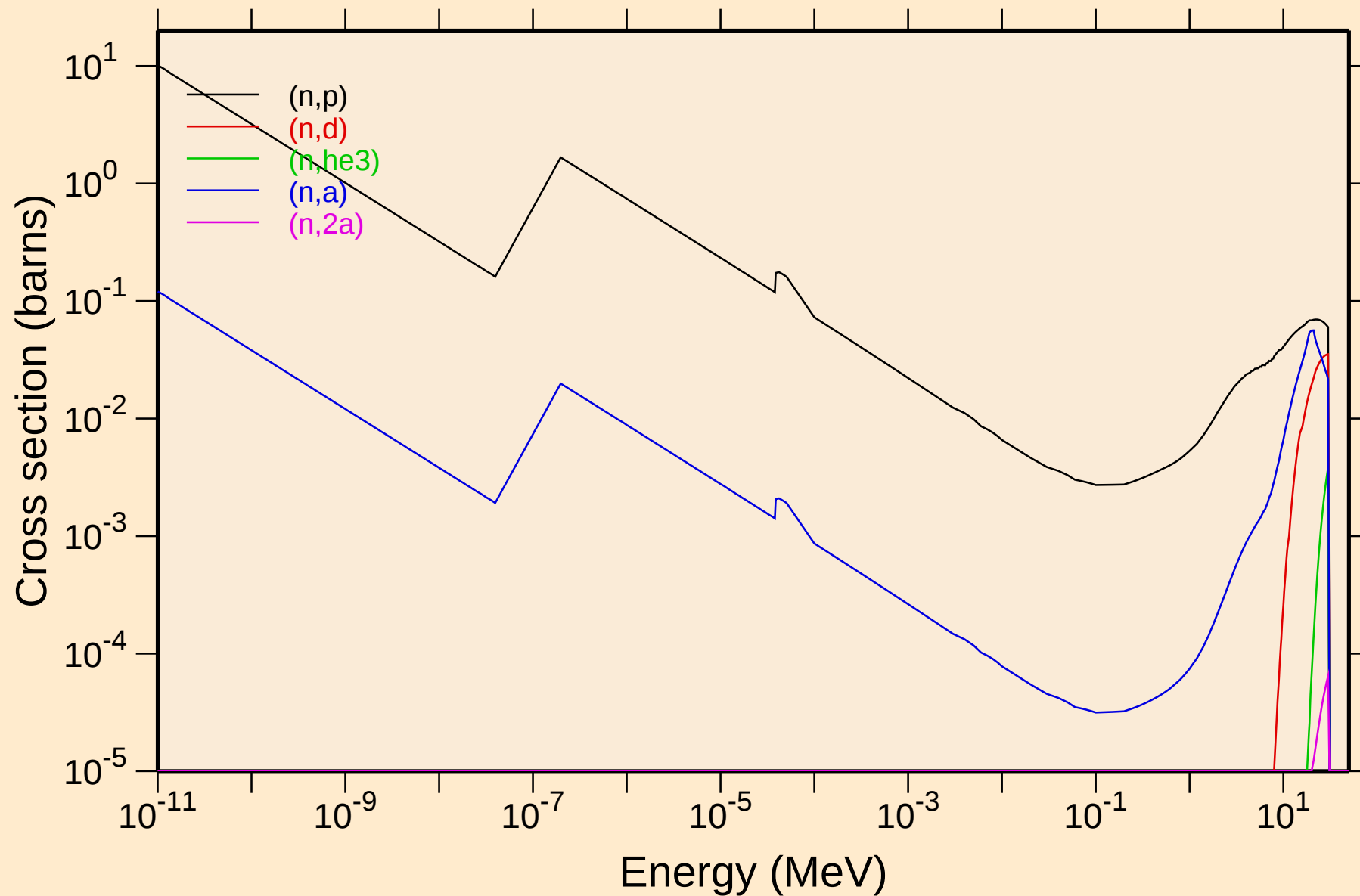
Damage



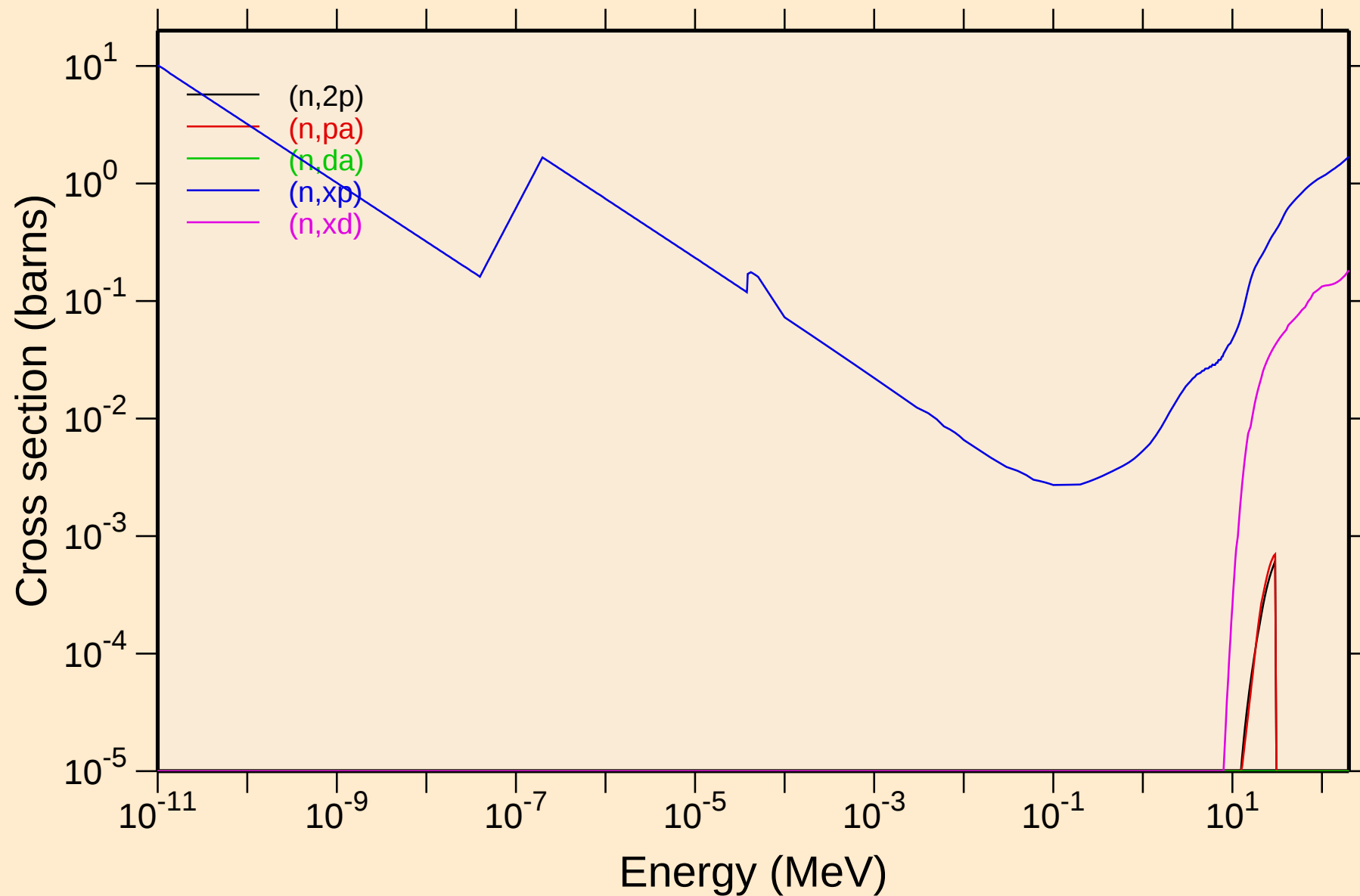
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



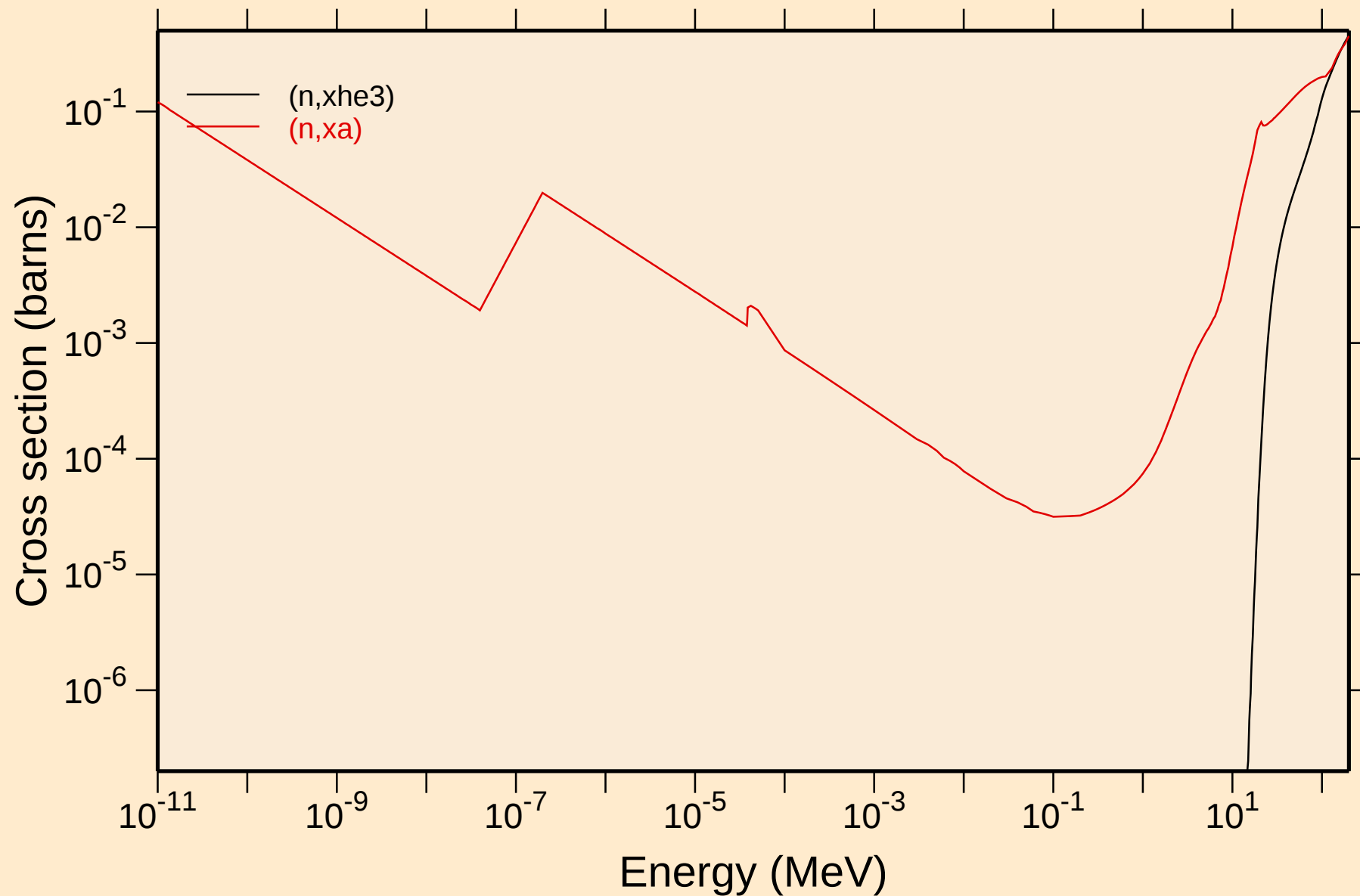
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions

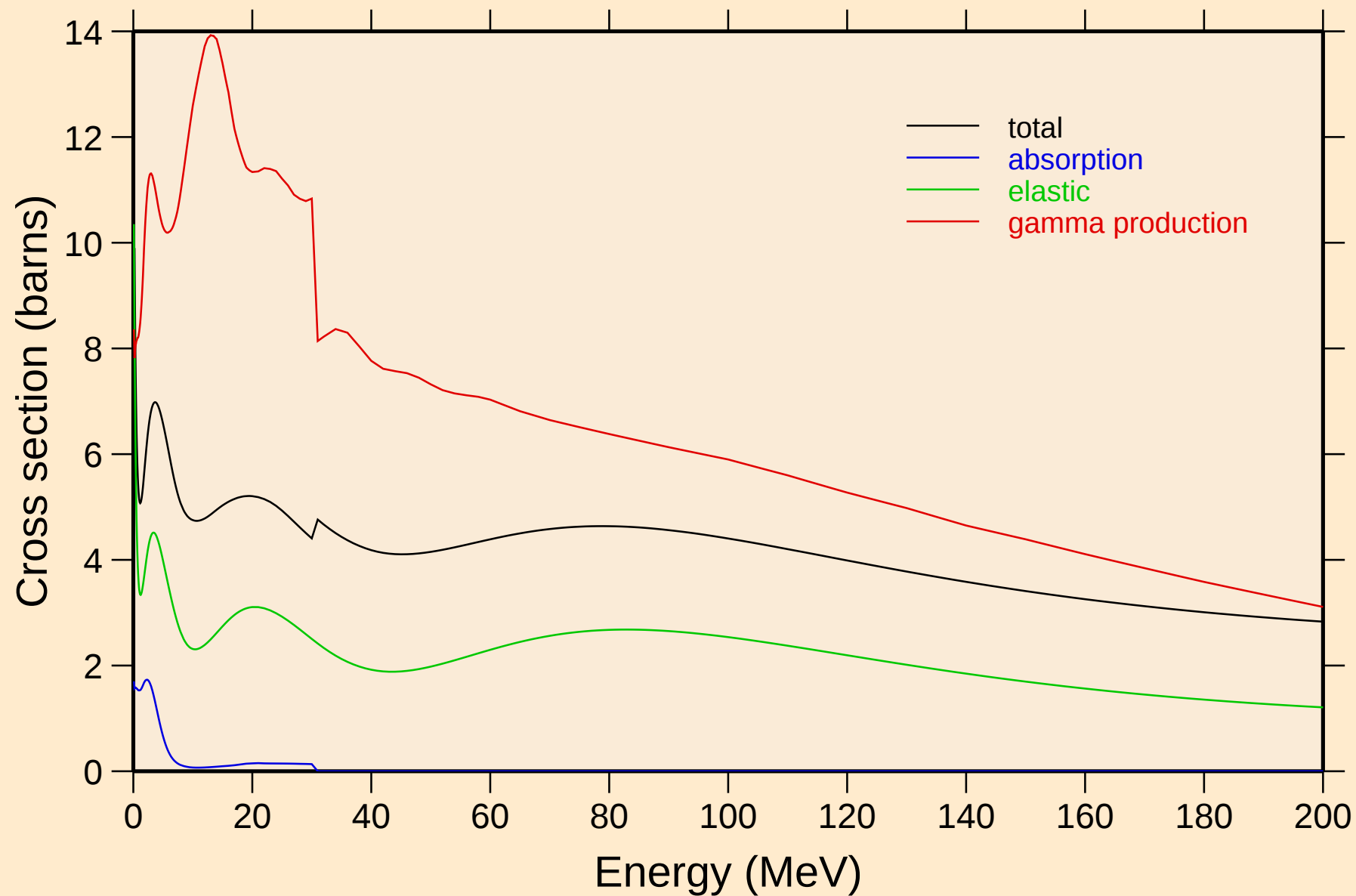


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



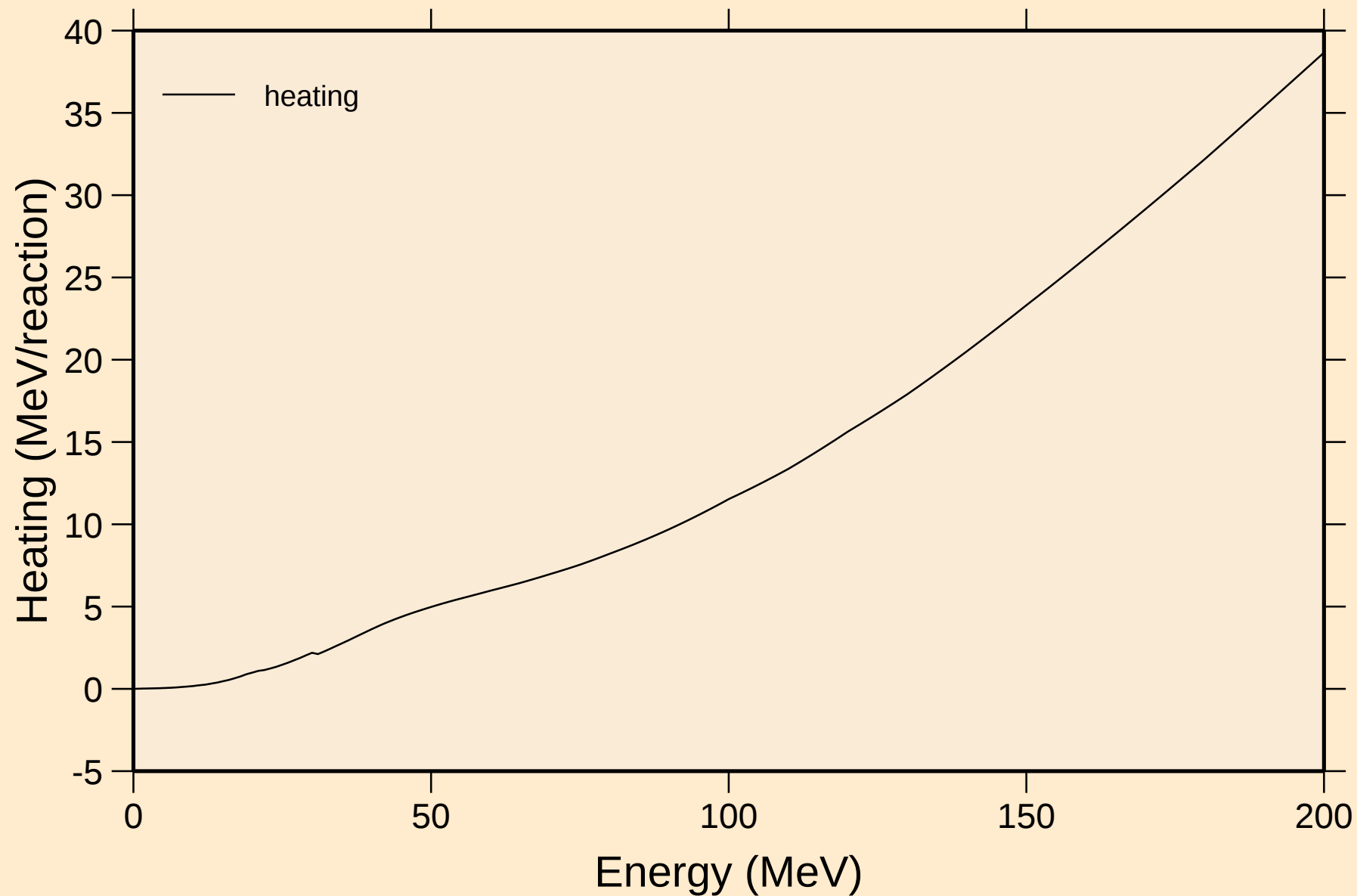
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Principal cross sections



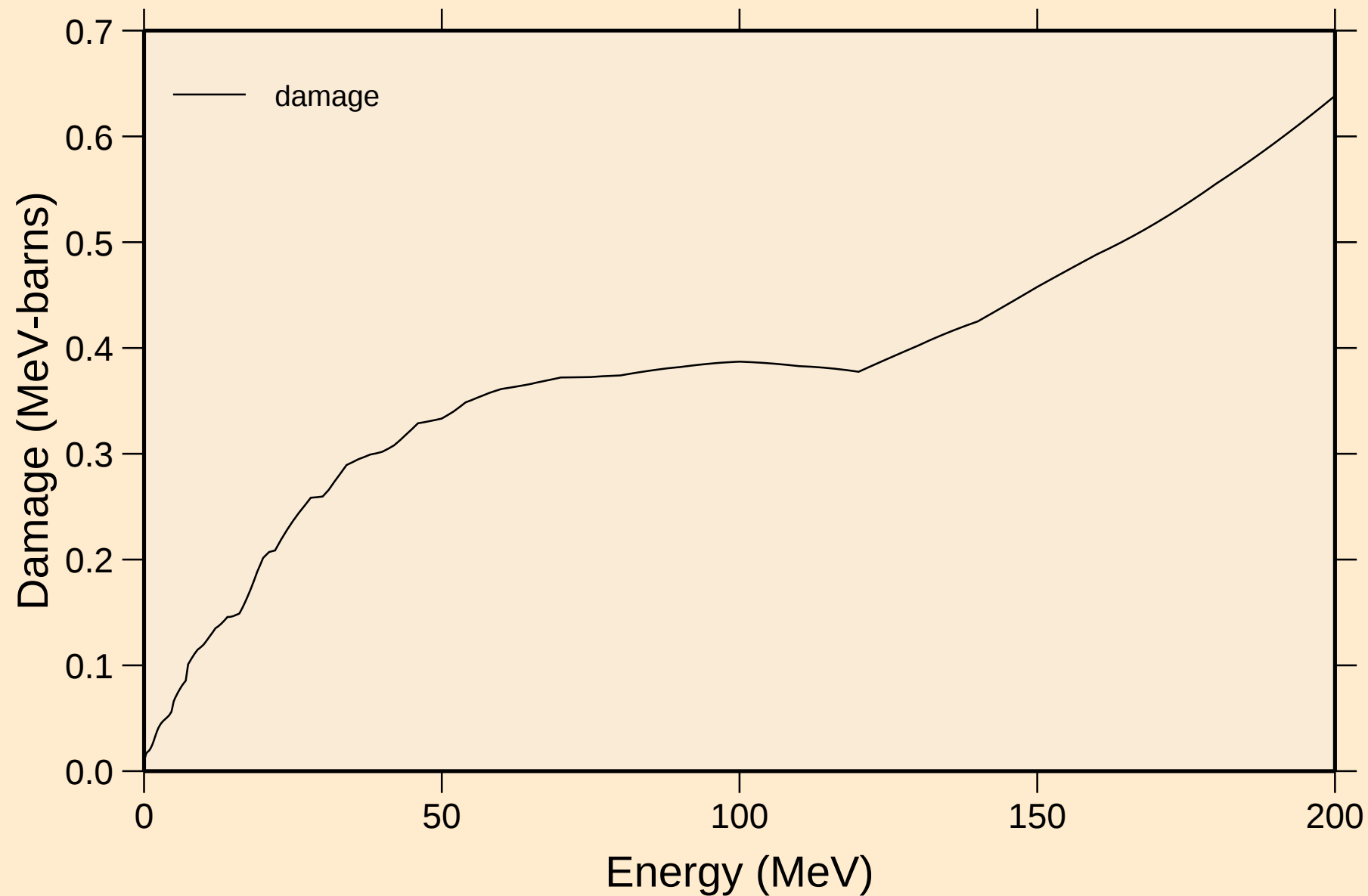
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Heating

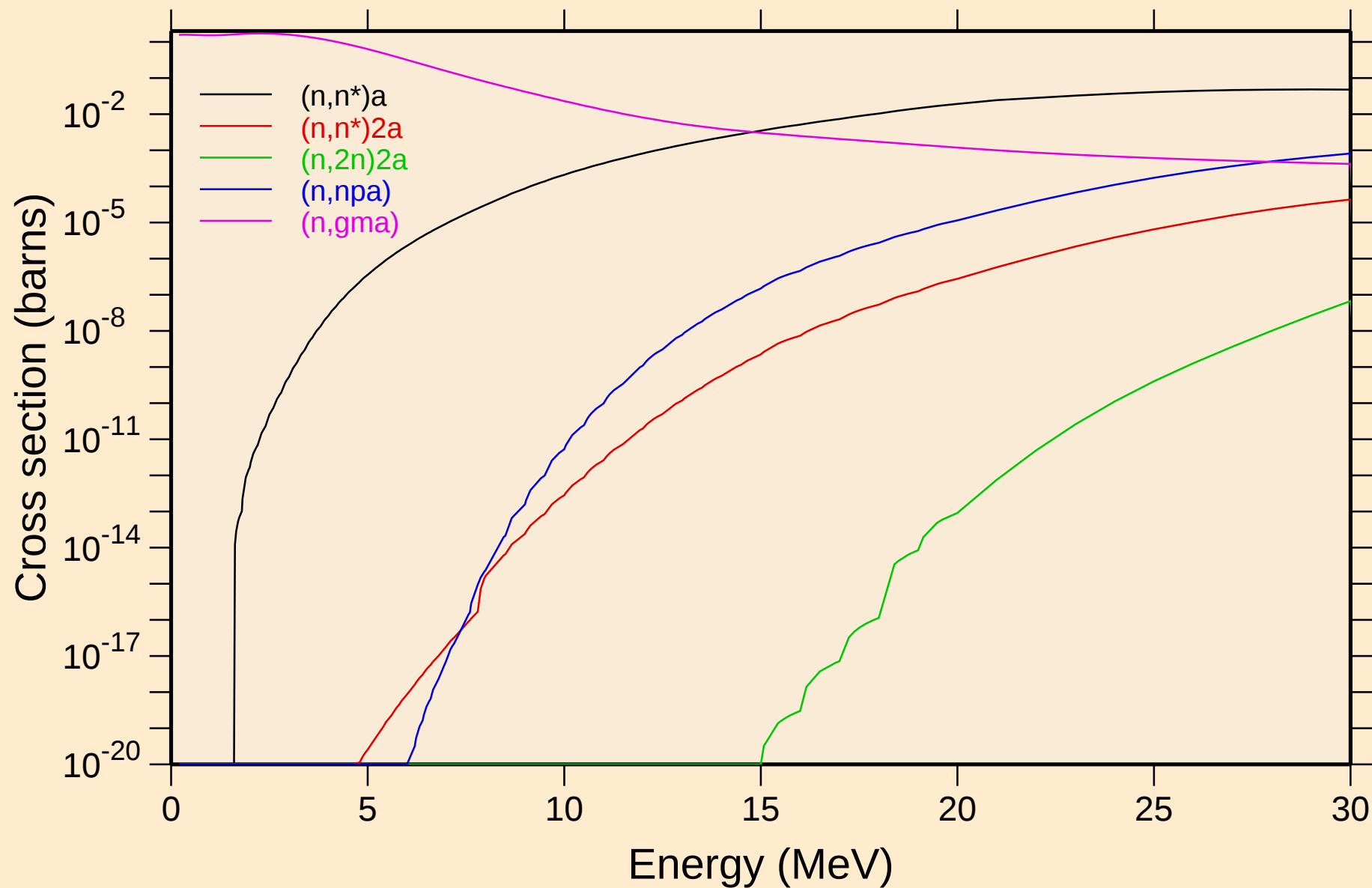


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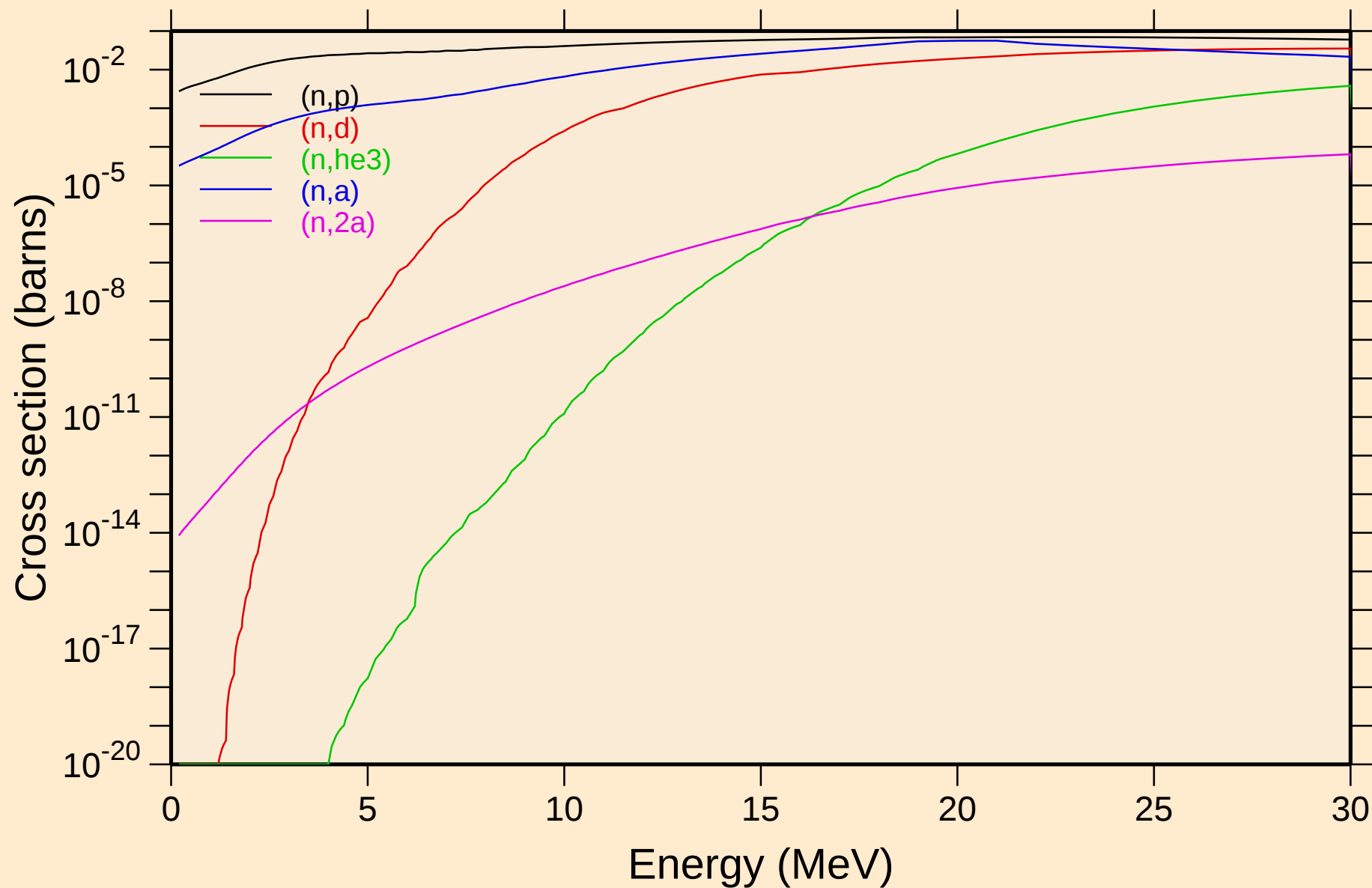
Damage



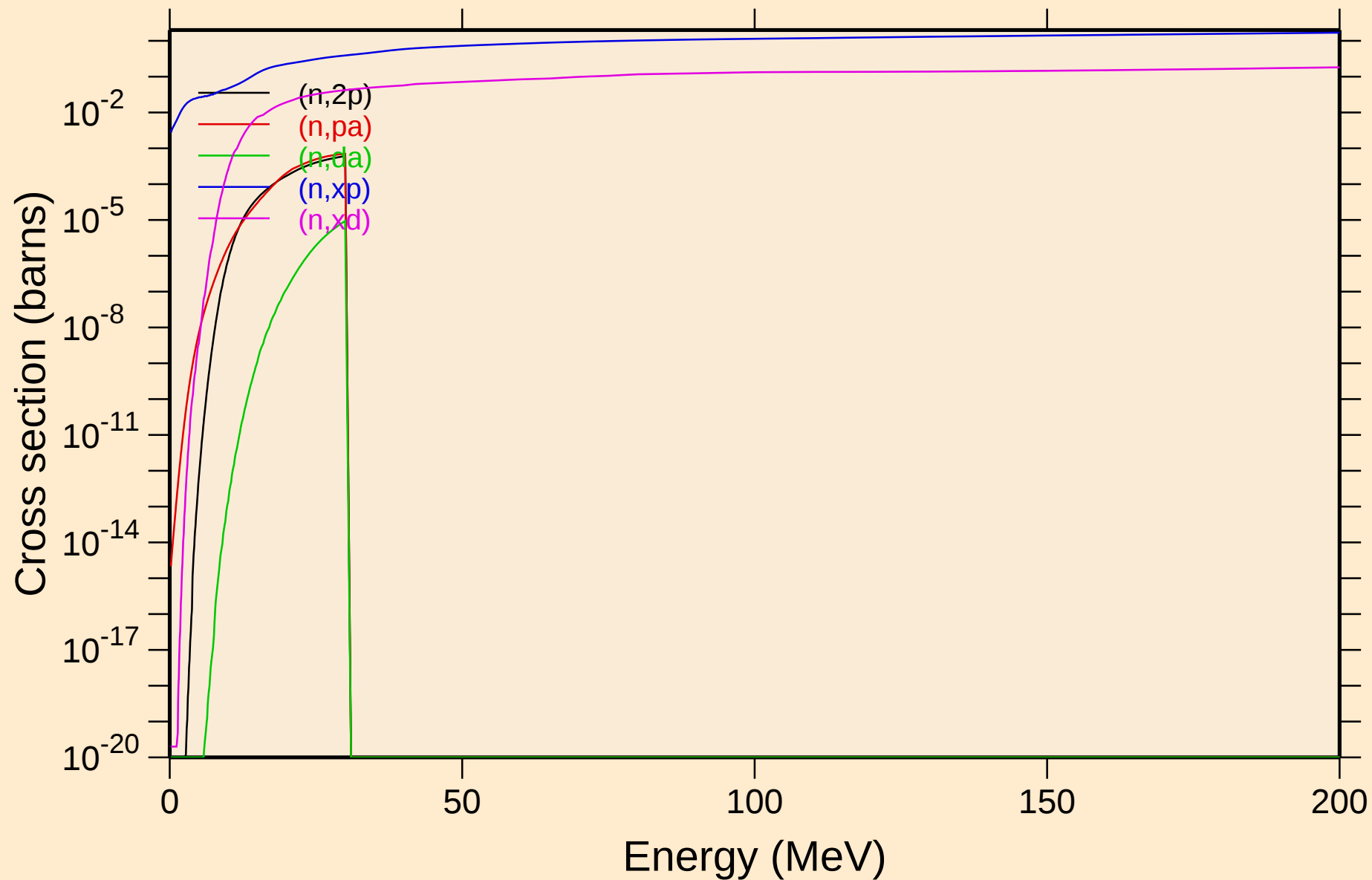
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



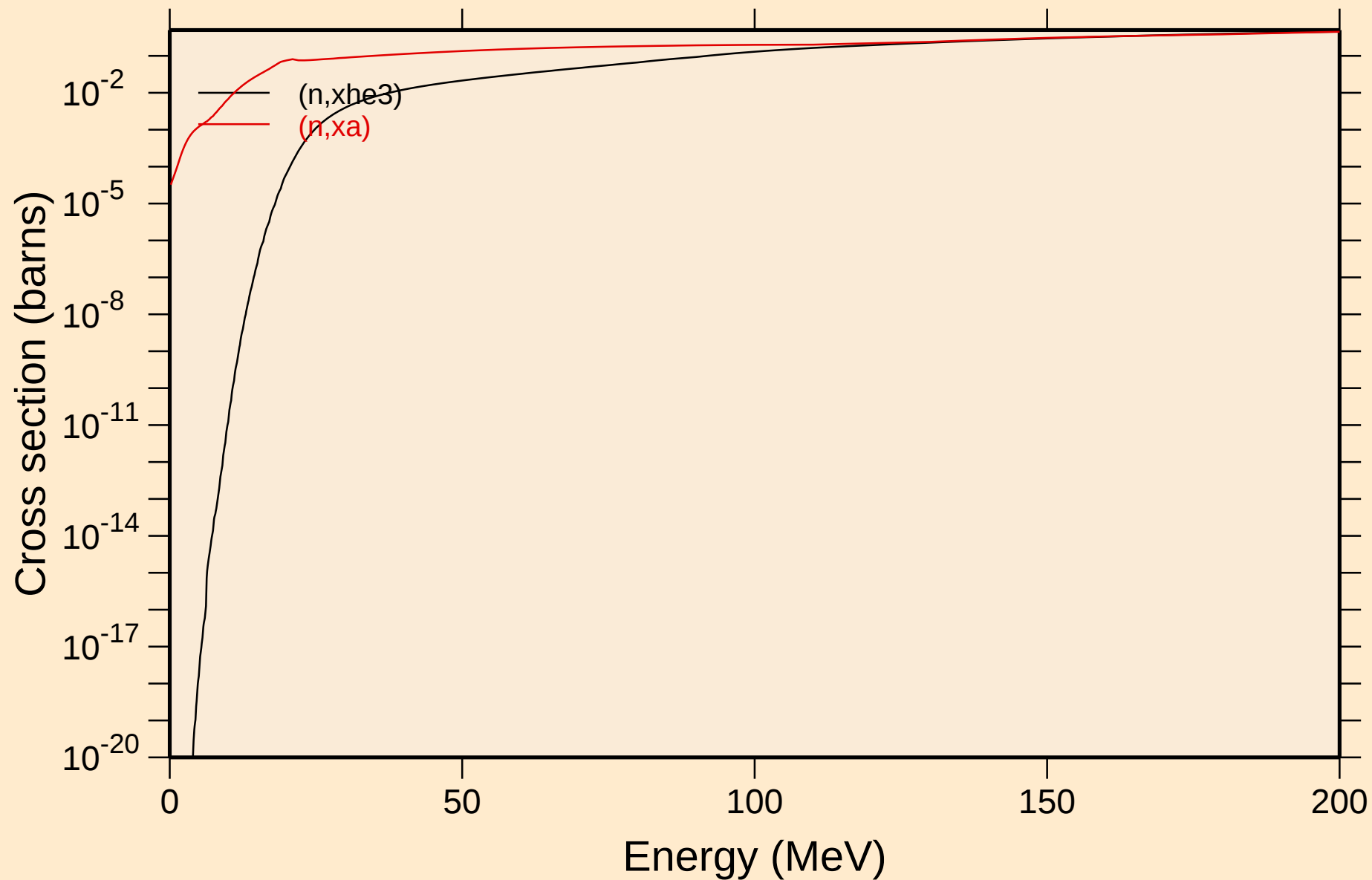
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Non-threshold reactions



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions

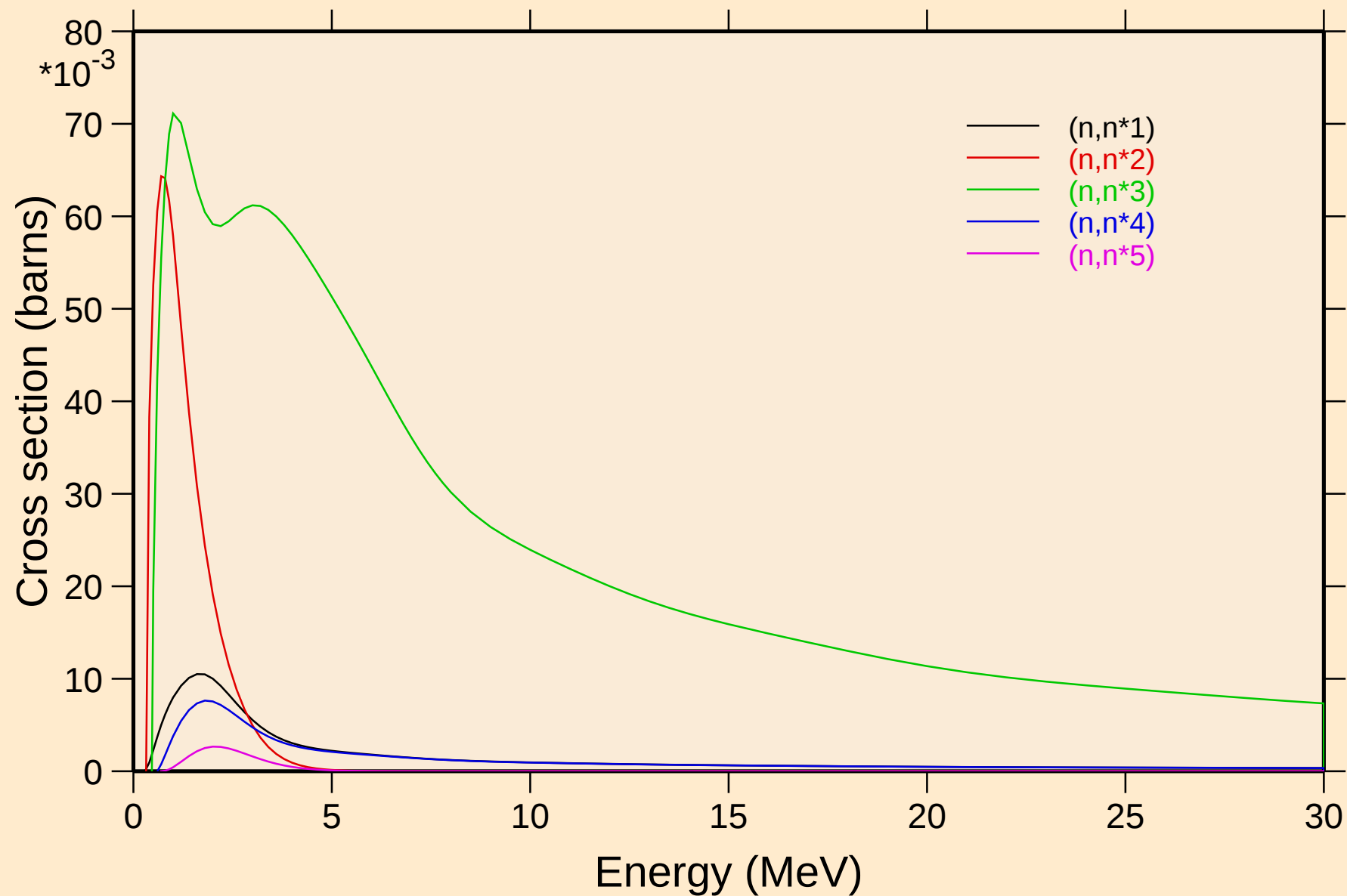


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



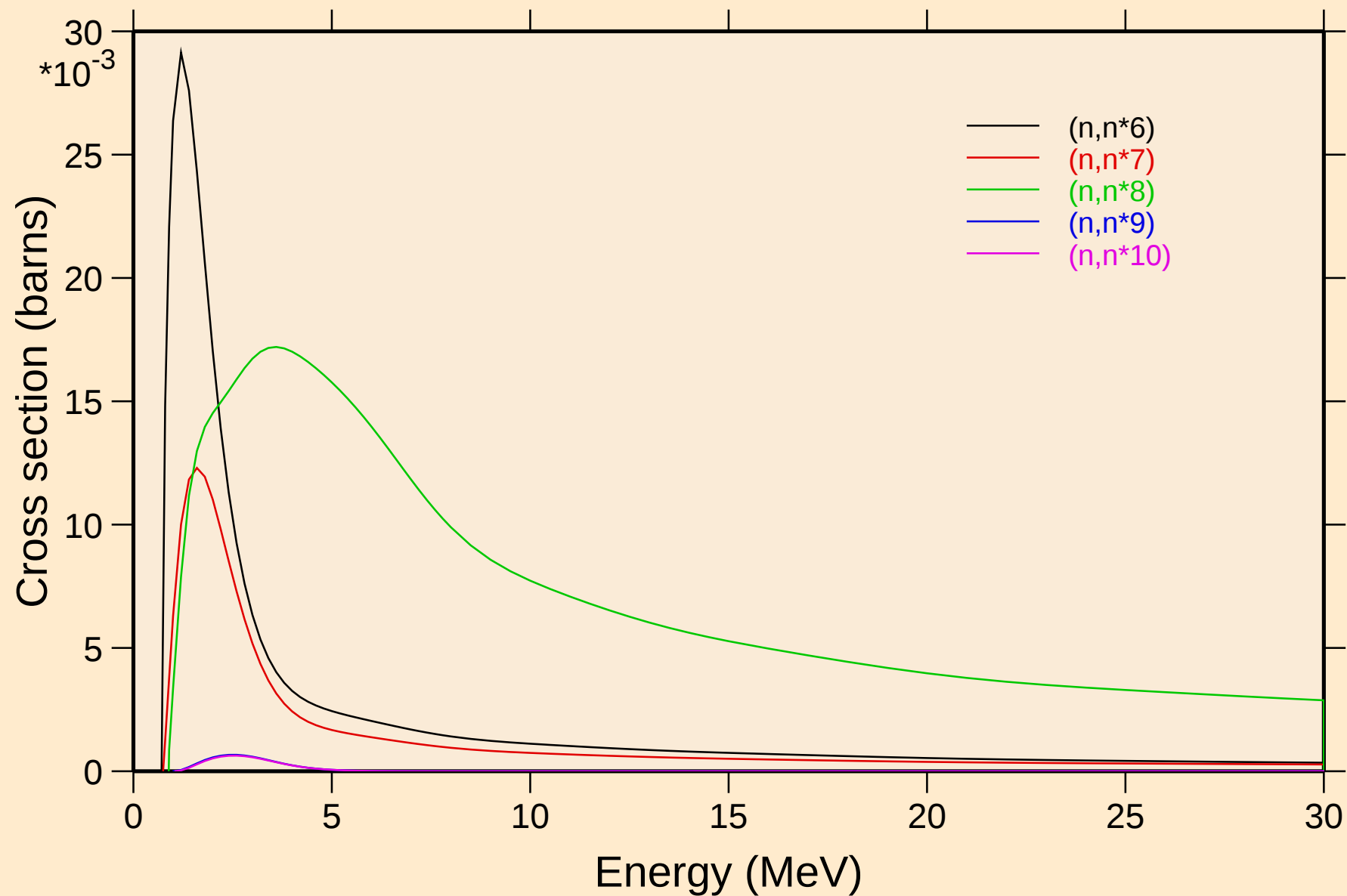
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



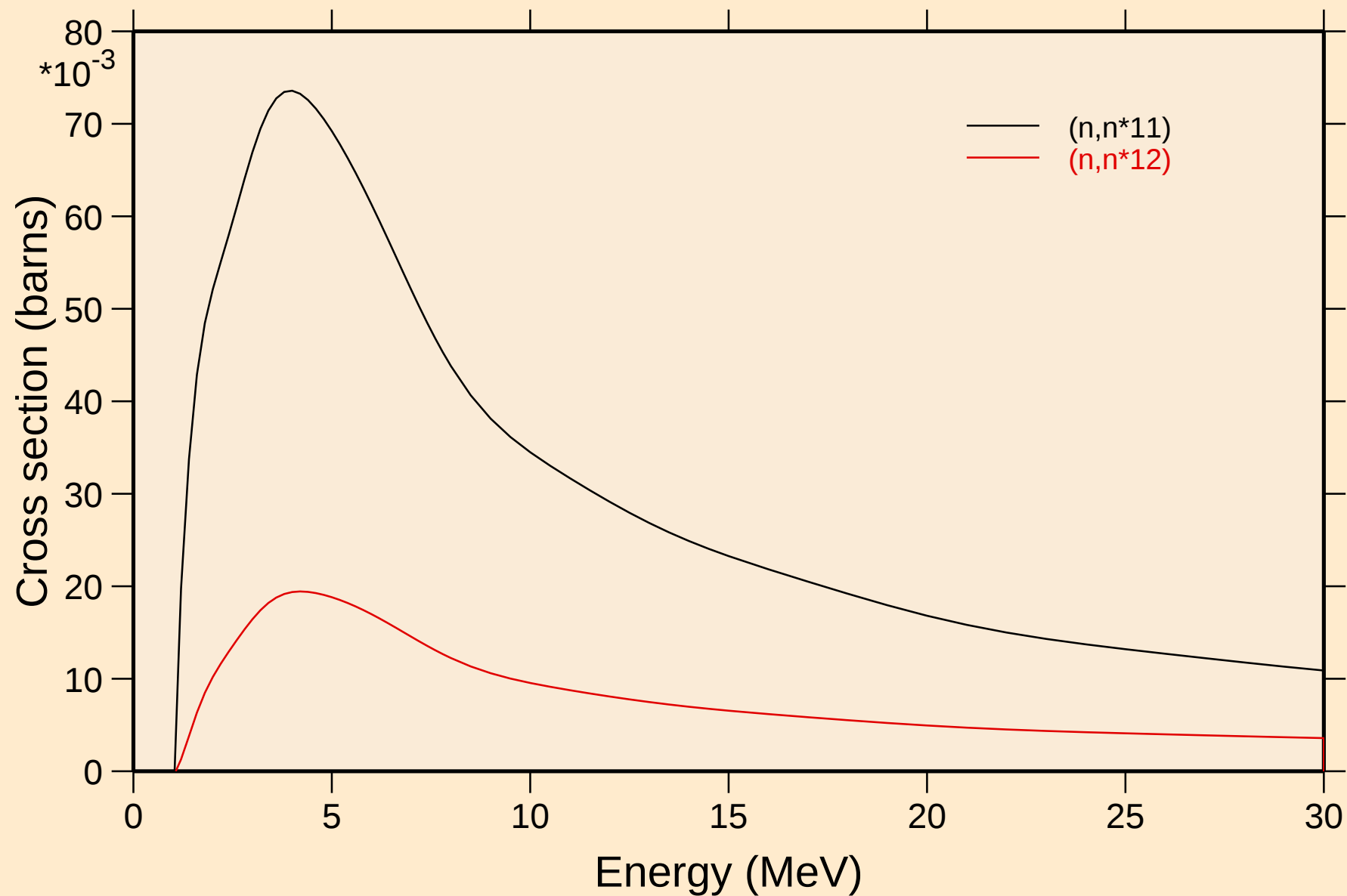
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels



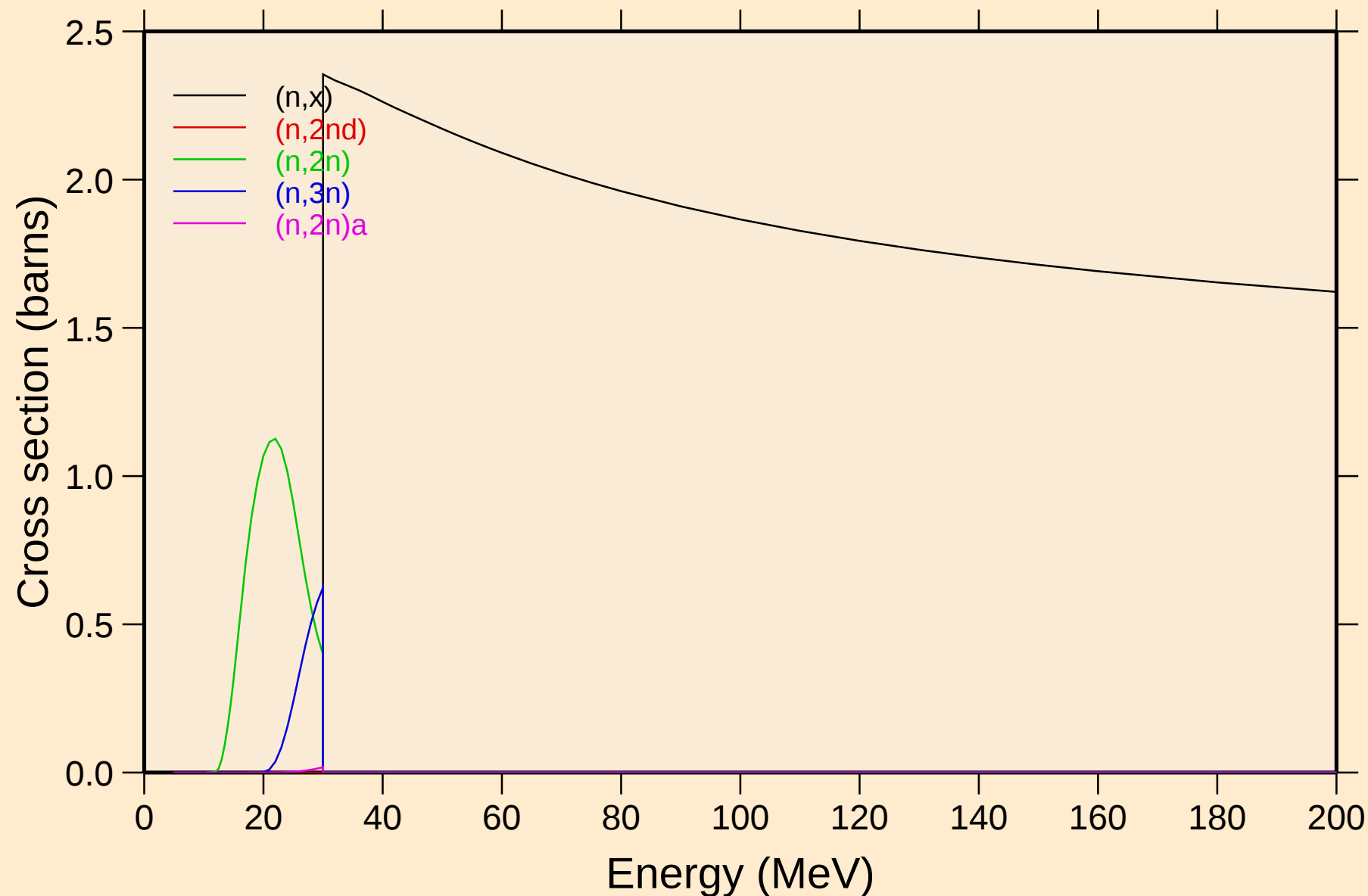
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Inelastic levels

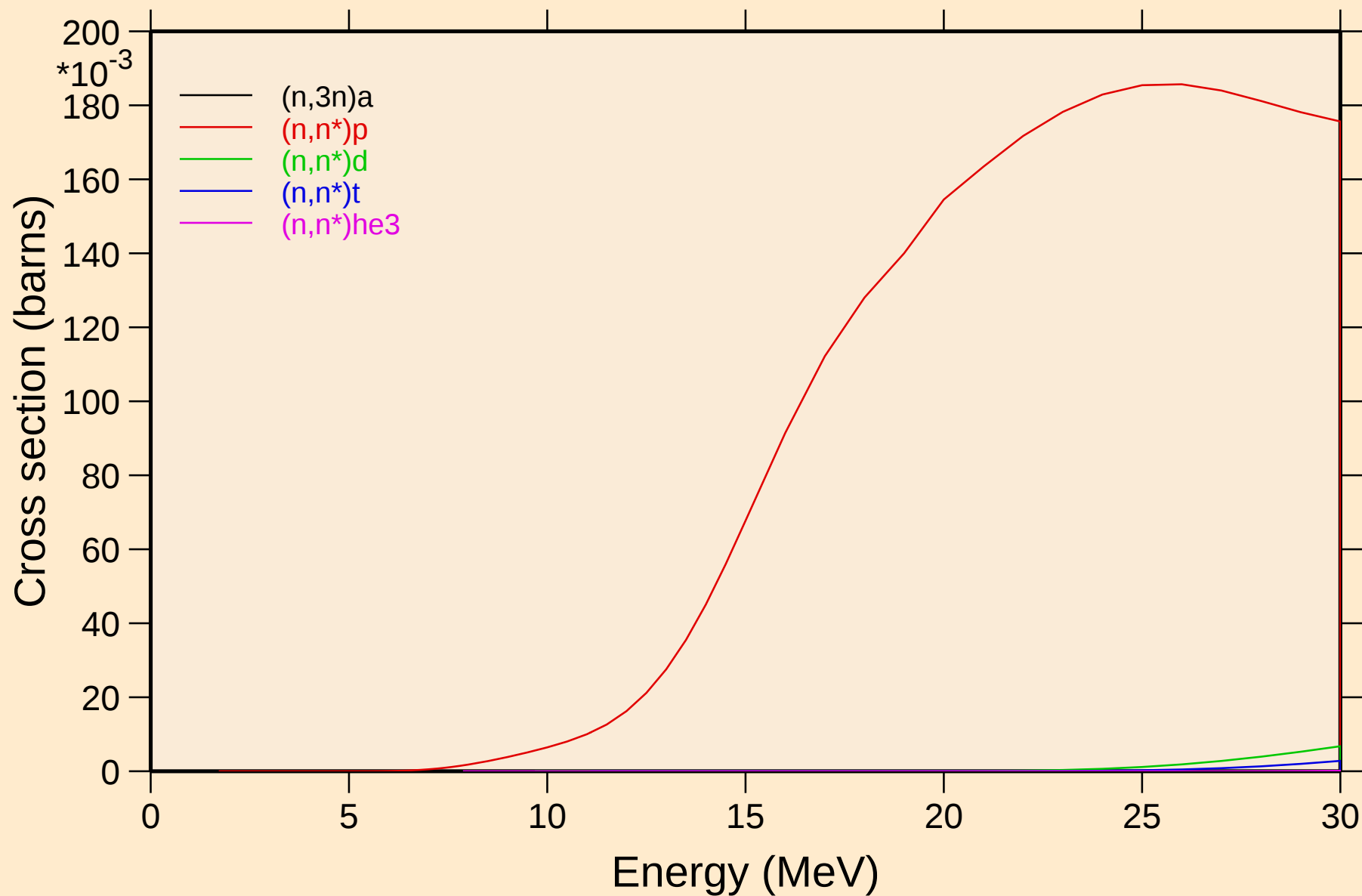


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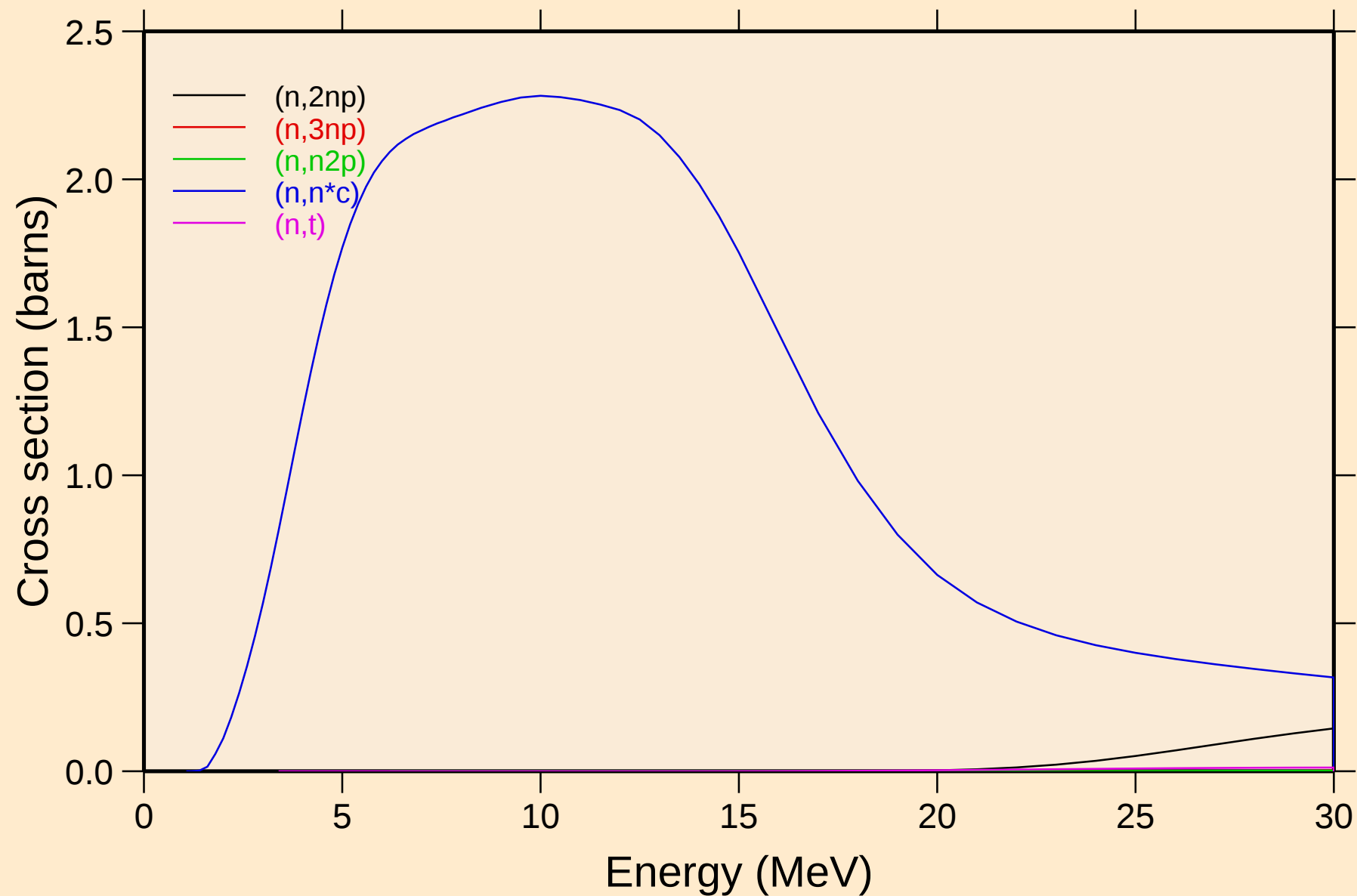
Threshold reactions



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

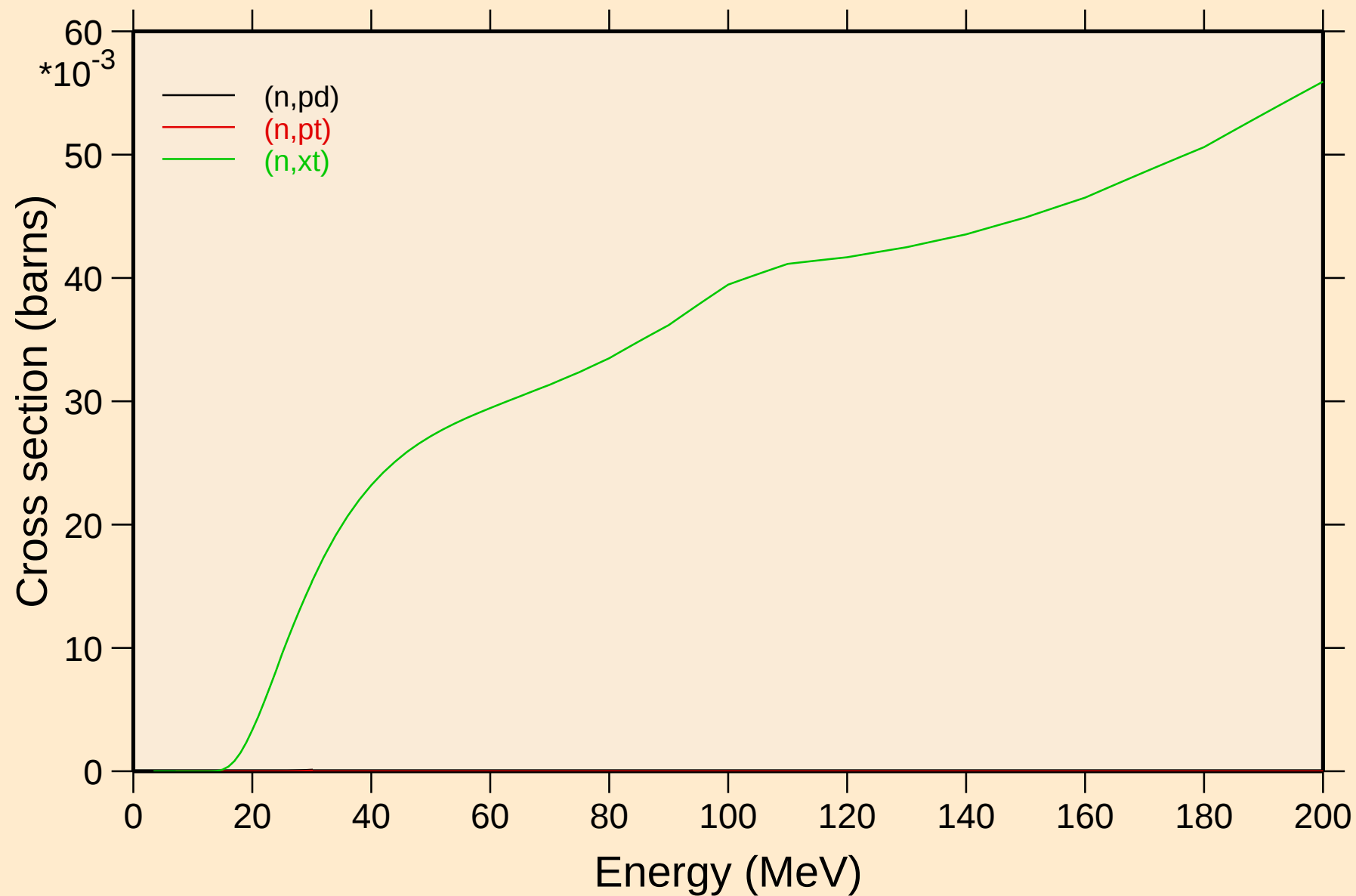


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

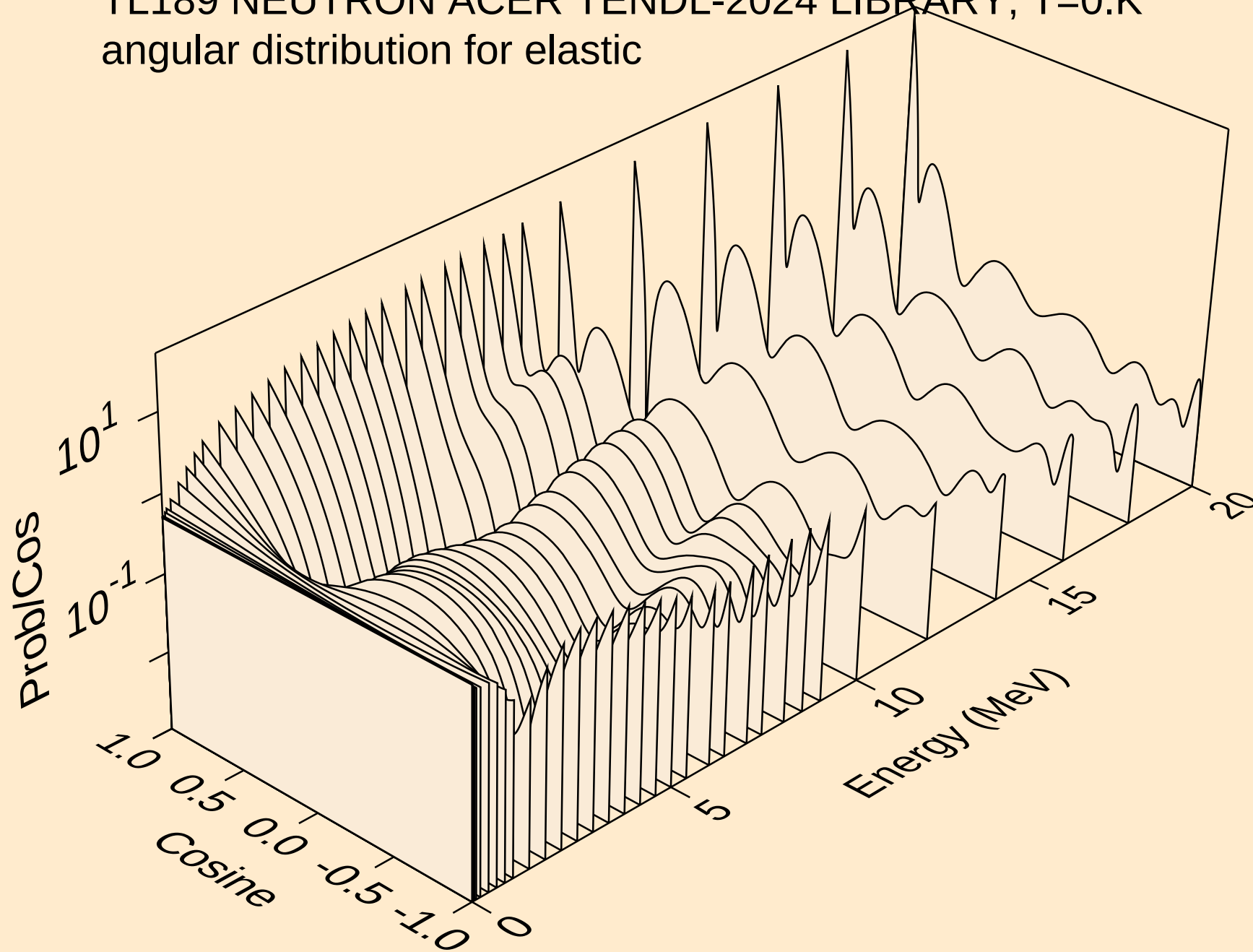


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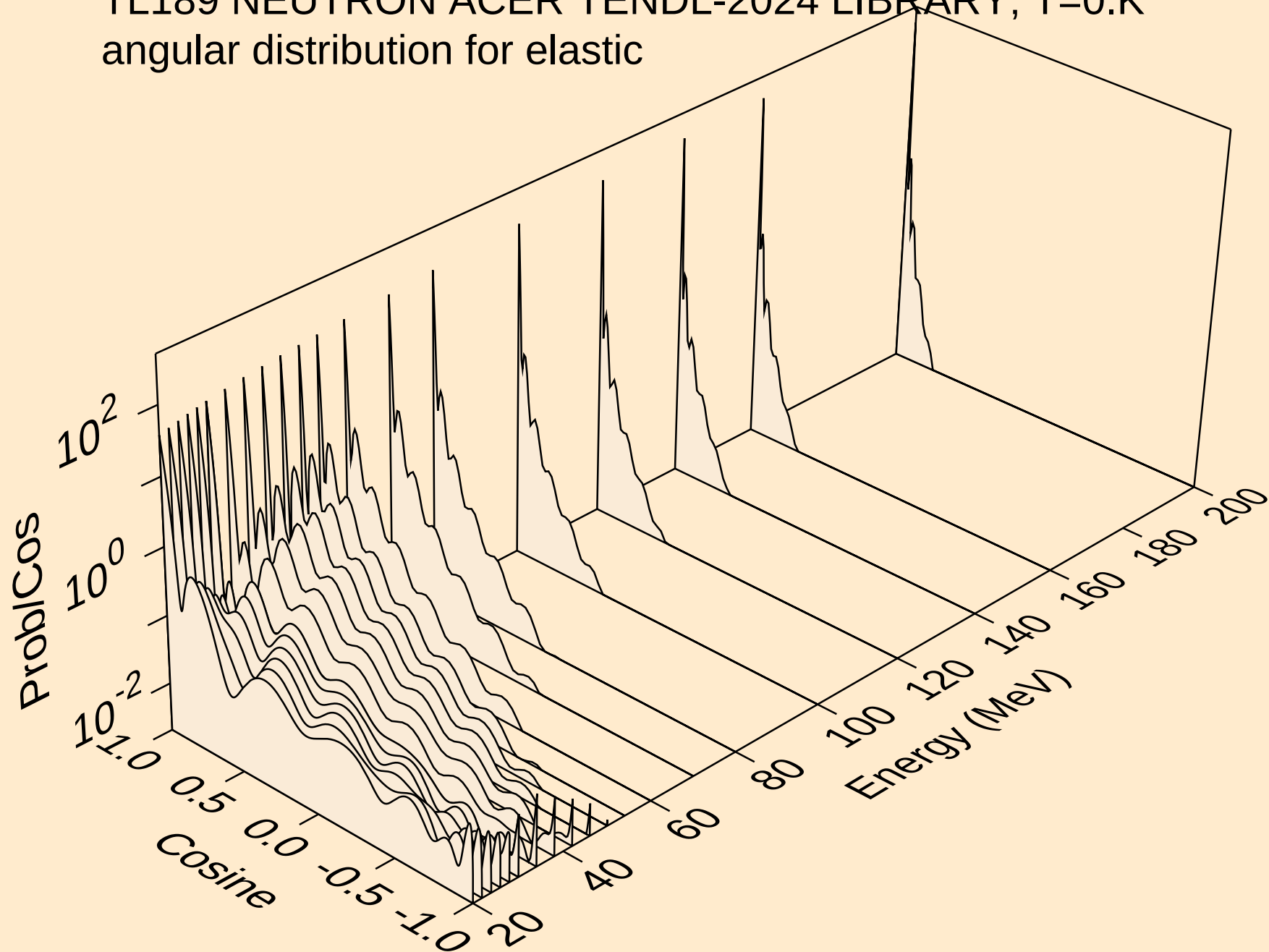
Threshold reactions



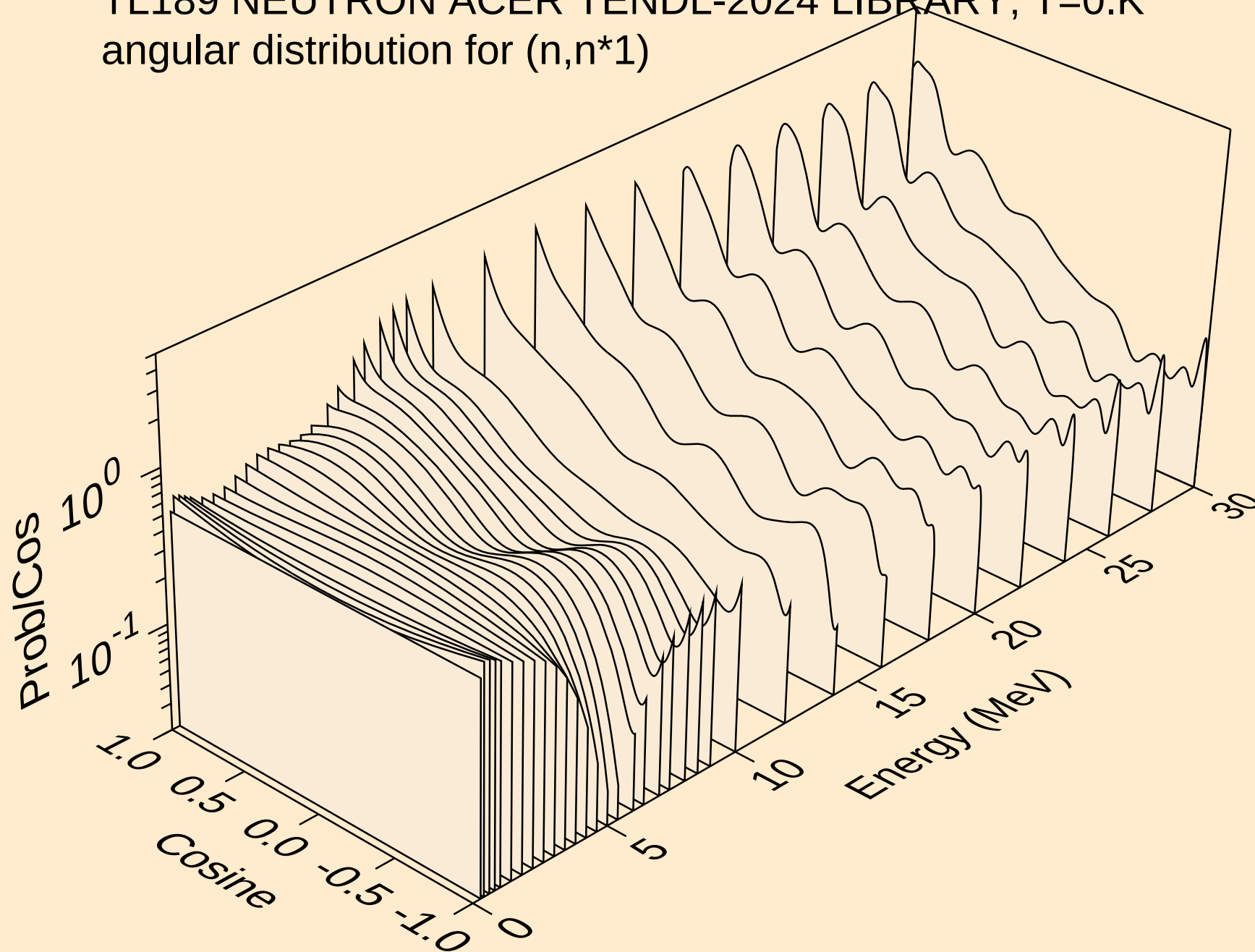
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



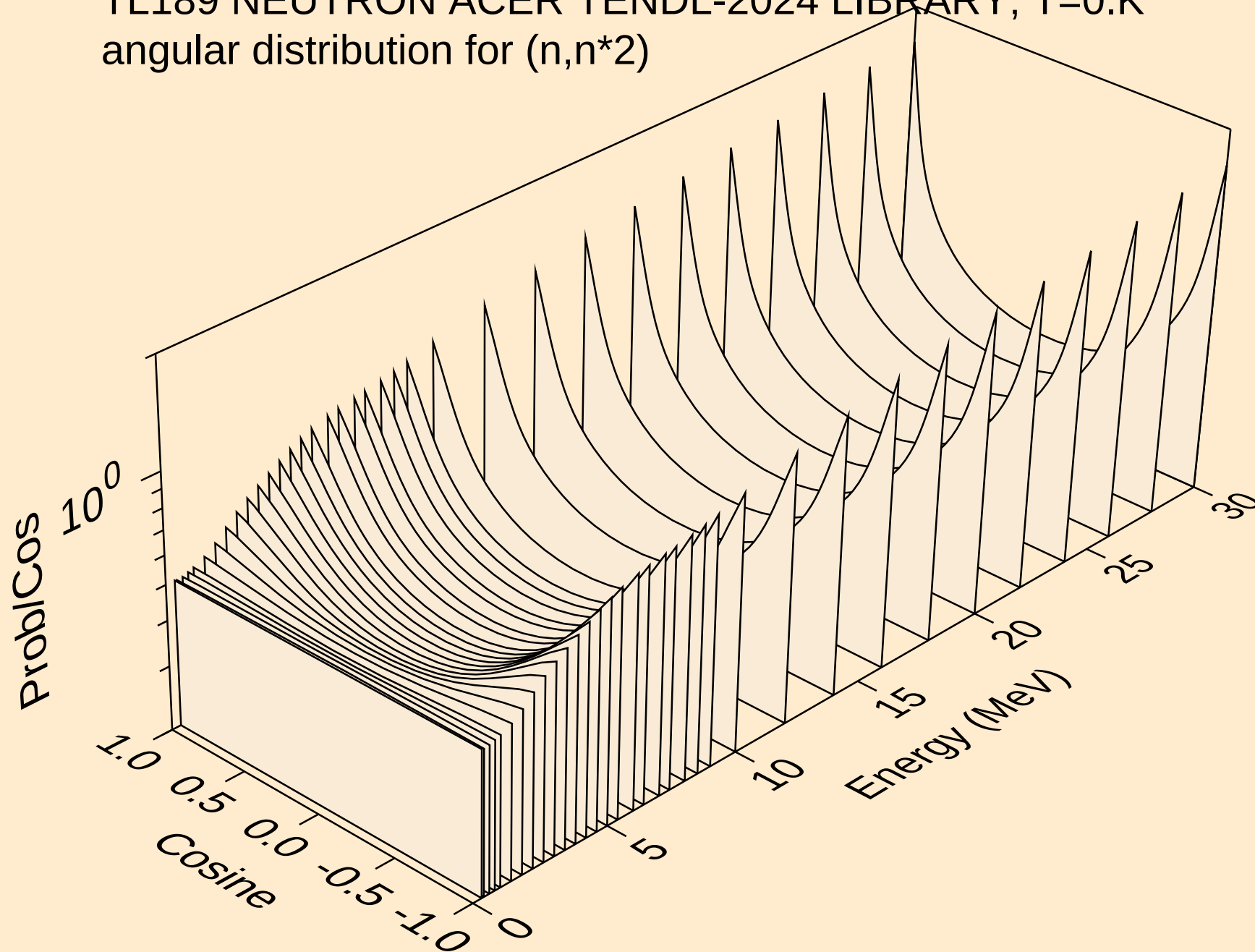
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



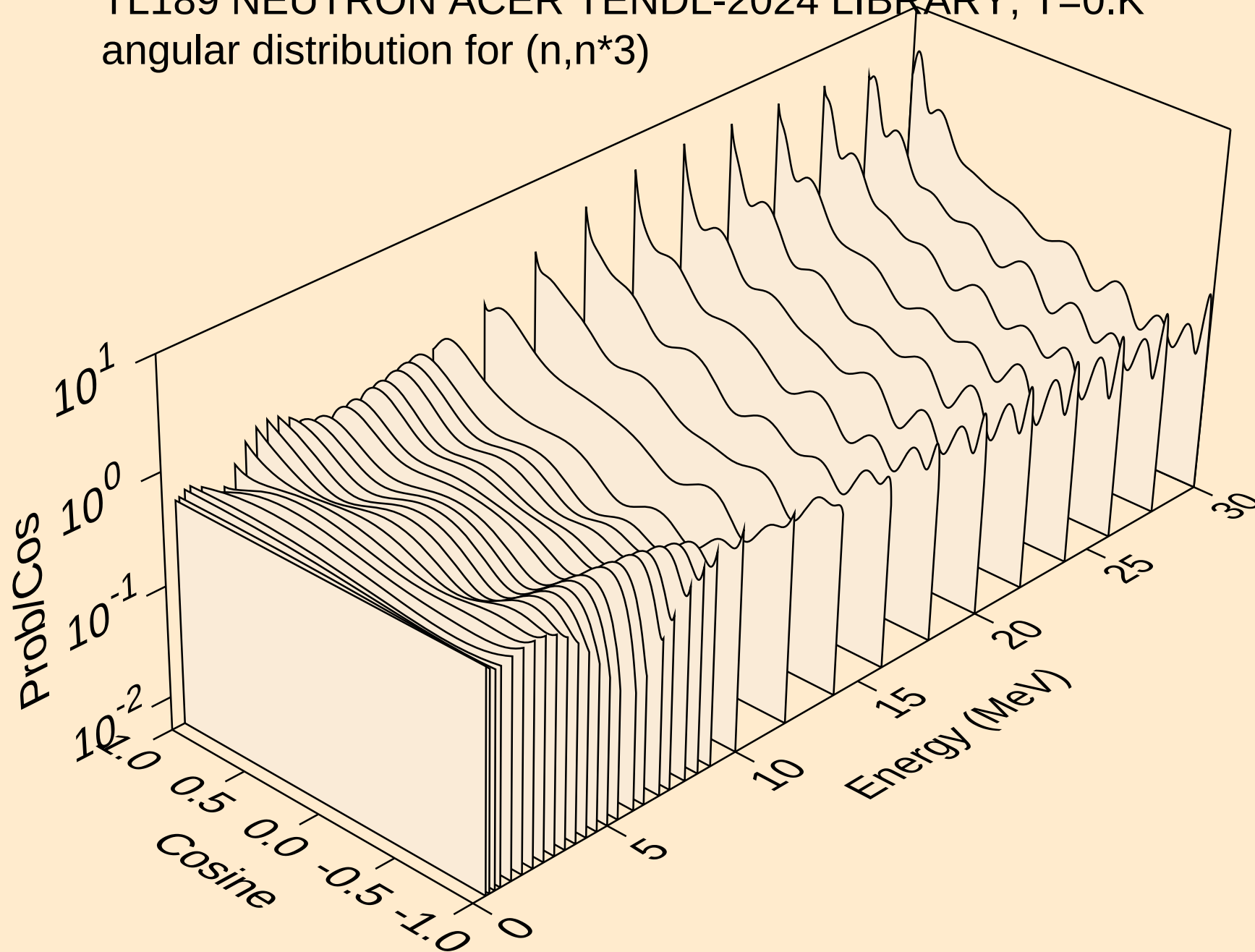
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*1)



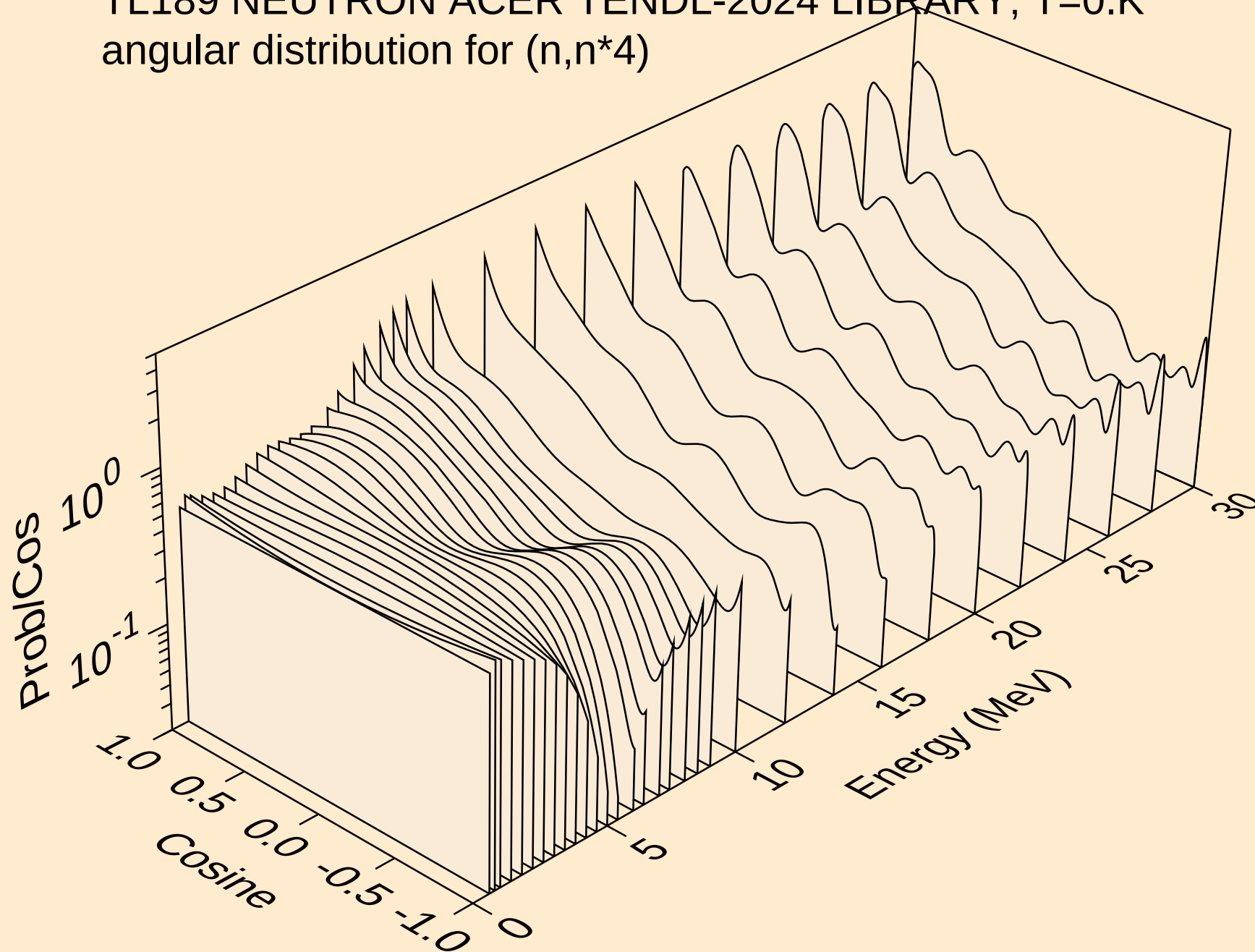
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*2)



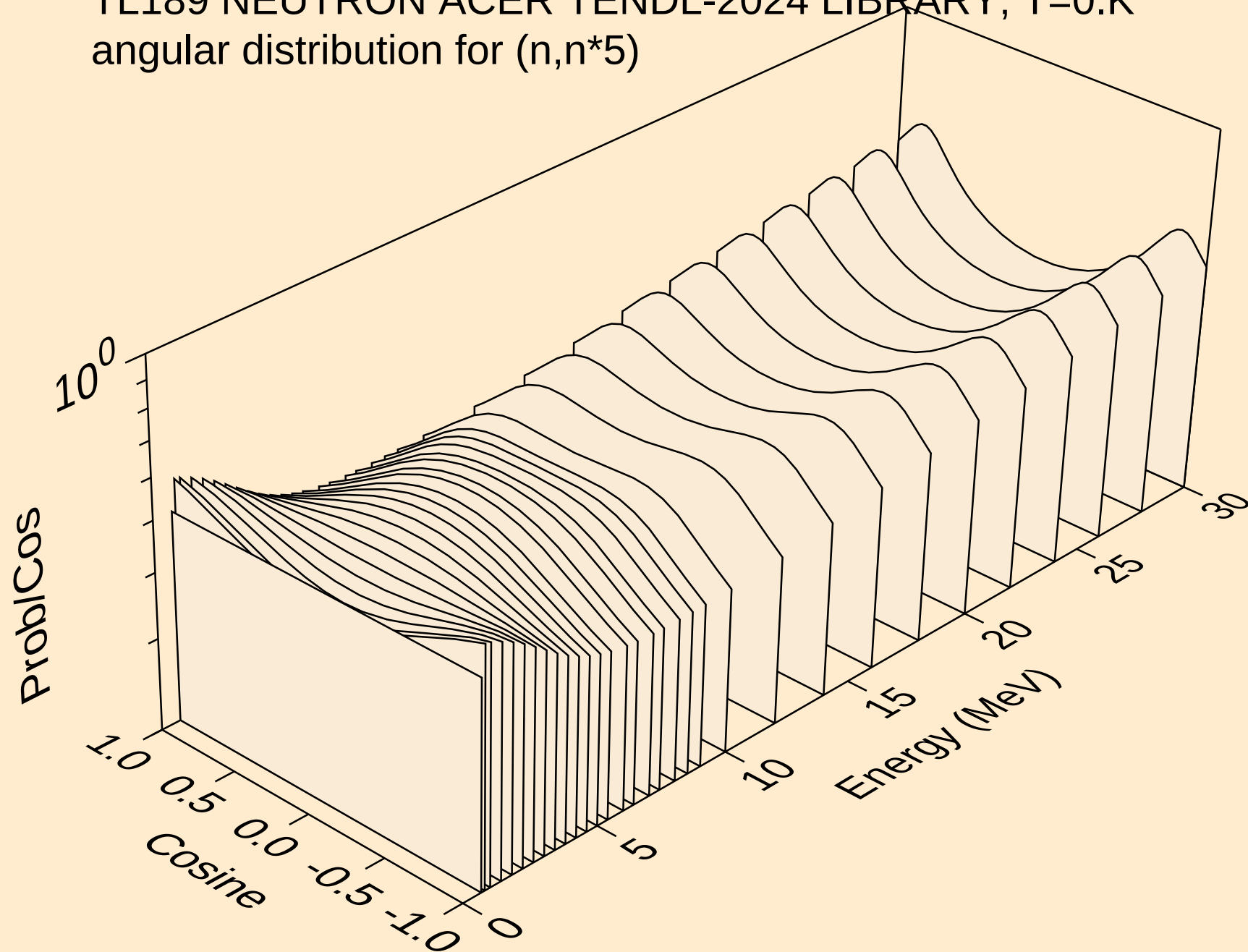
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angular distribution for (n,n*3)



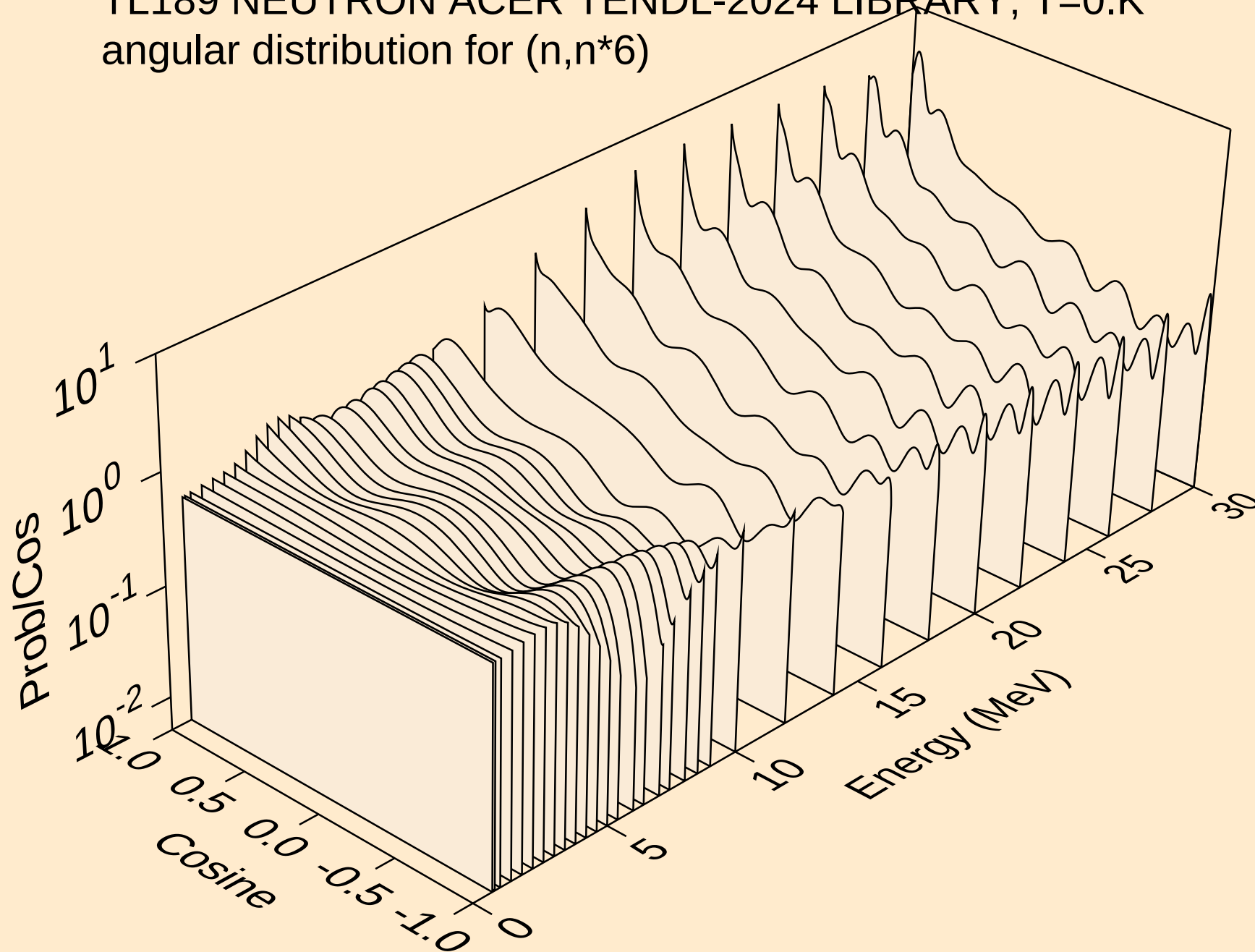
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angular distribution for (n,n*4)



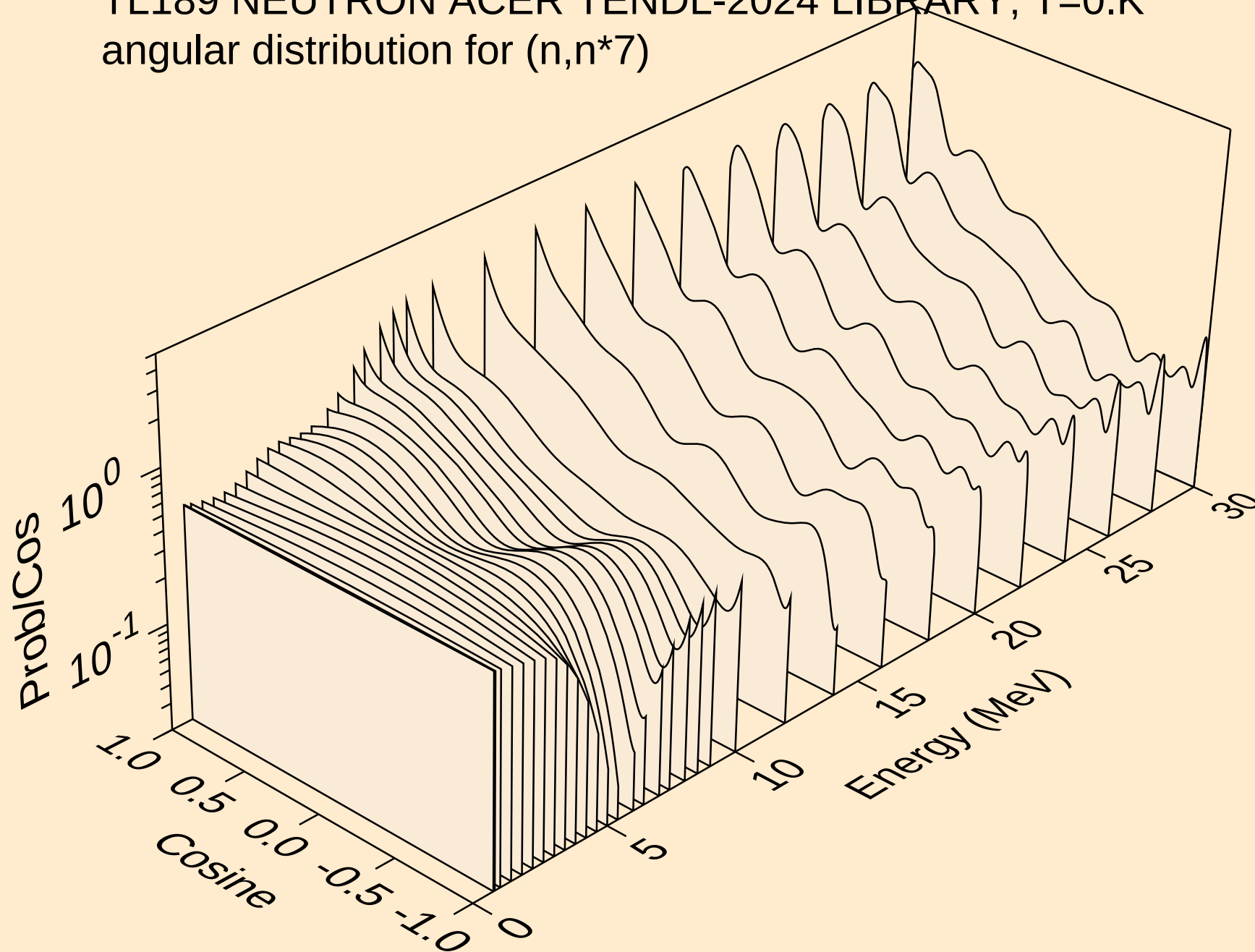
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*5)



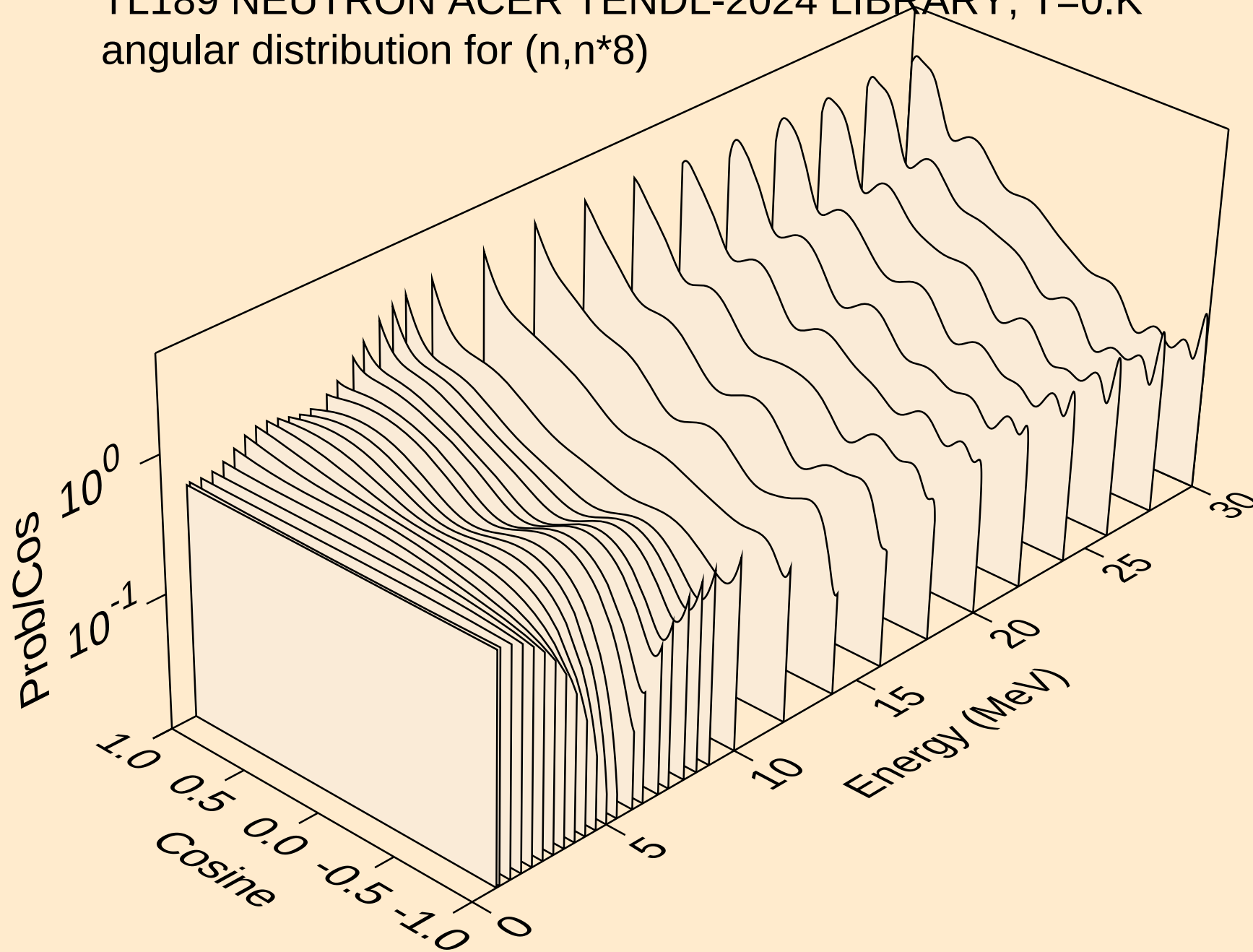
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*6)



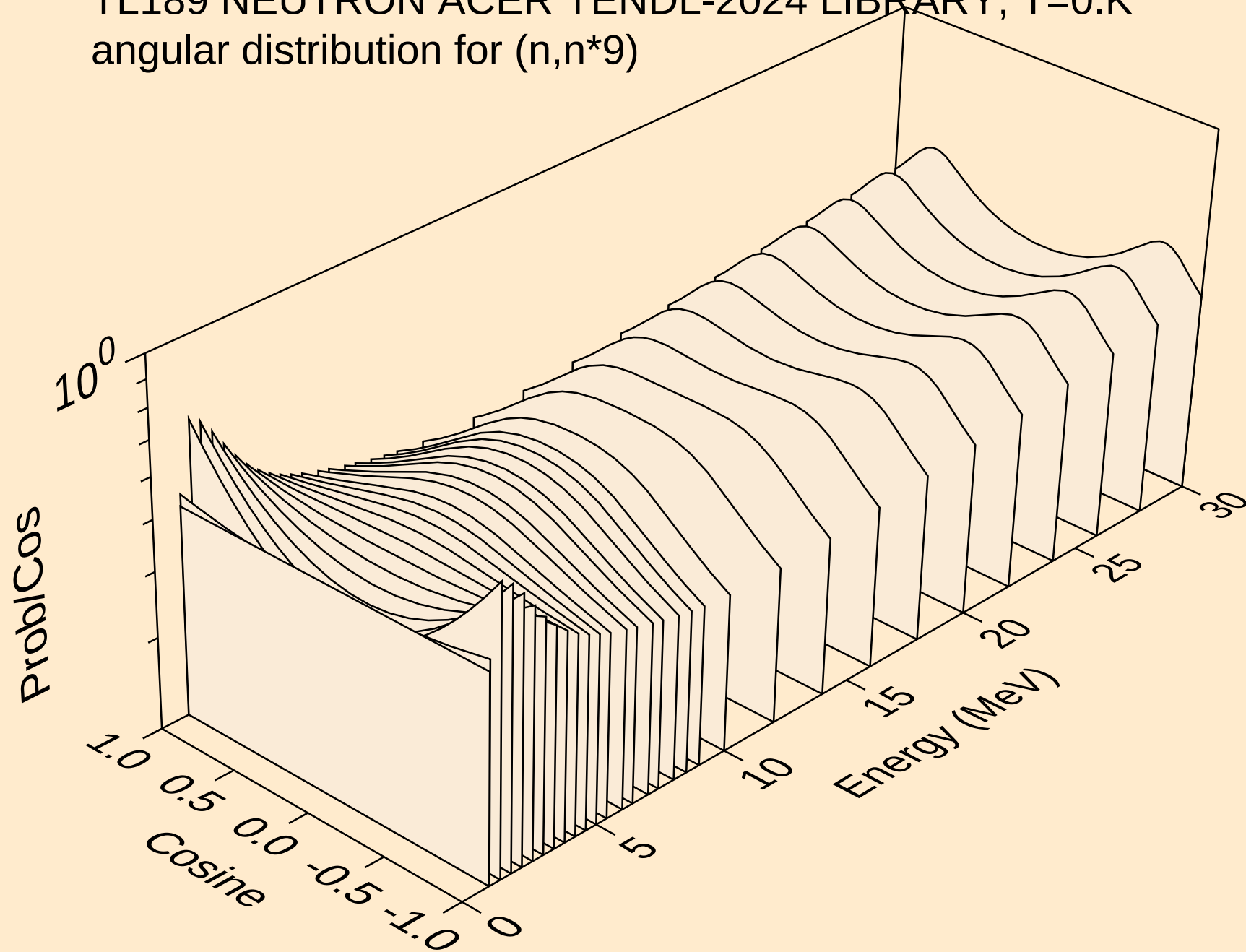
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angular distribution for (n,n*7)



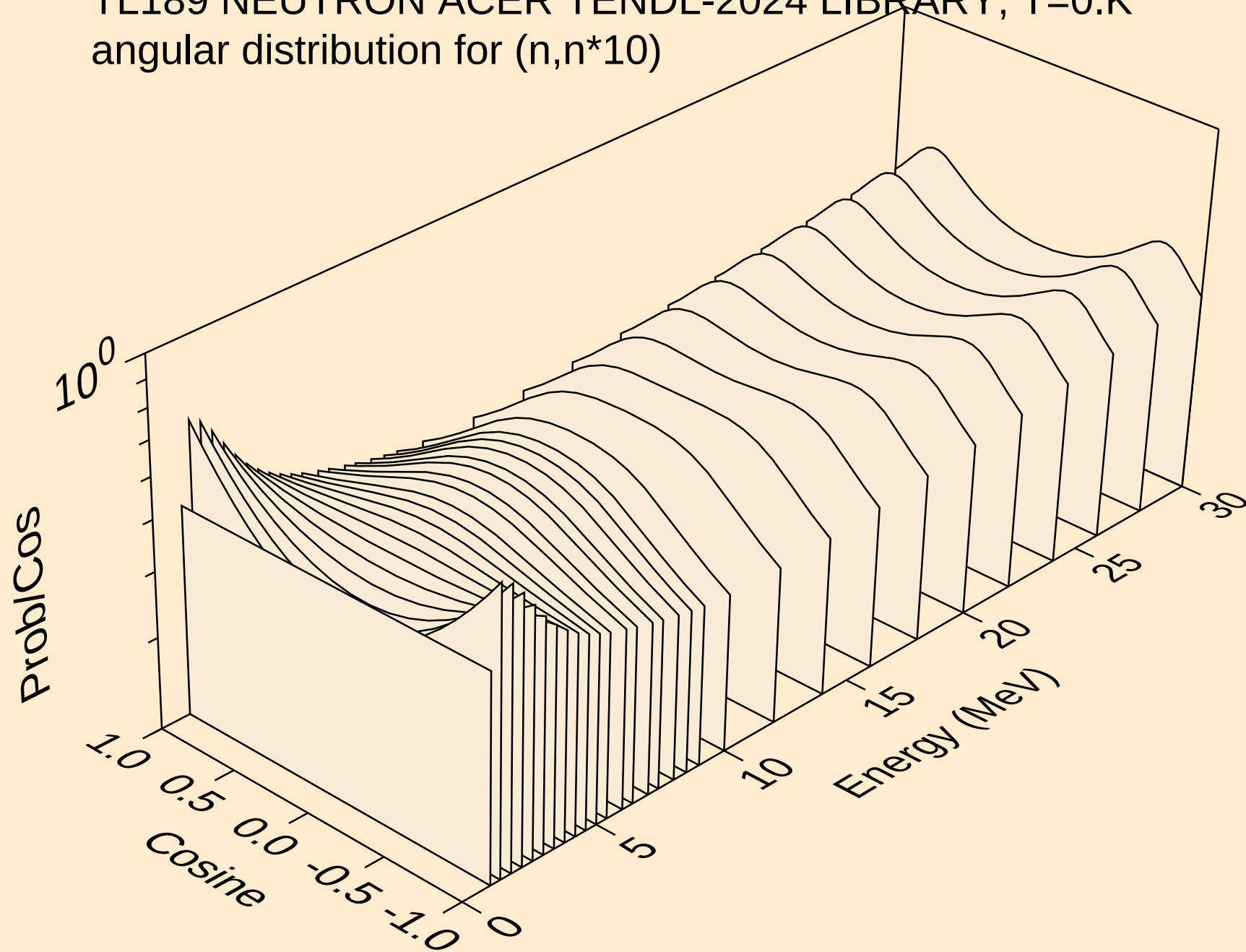
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*8)



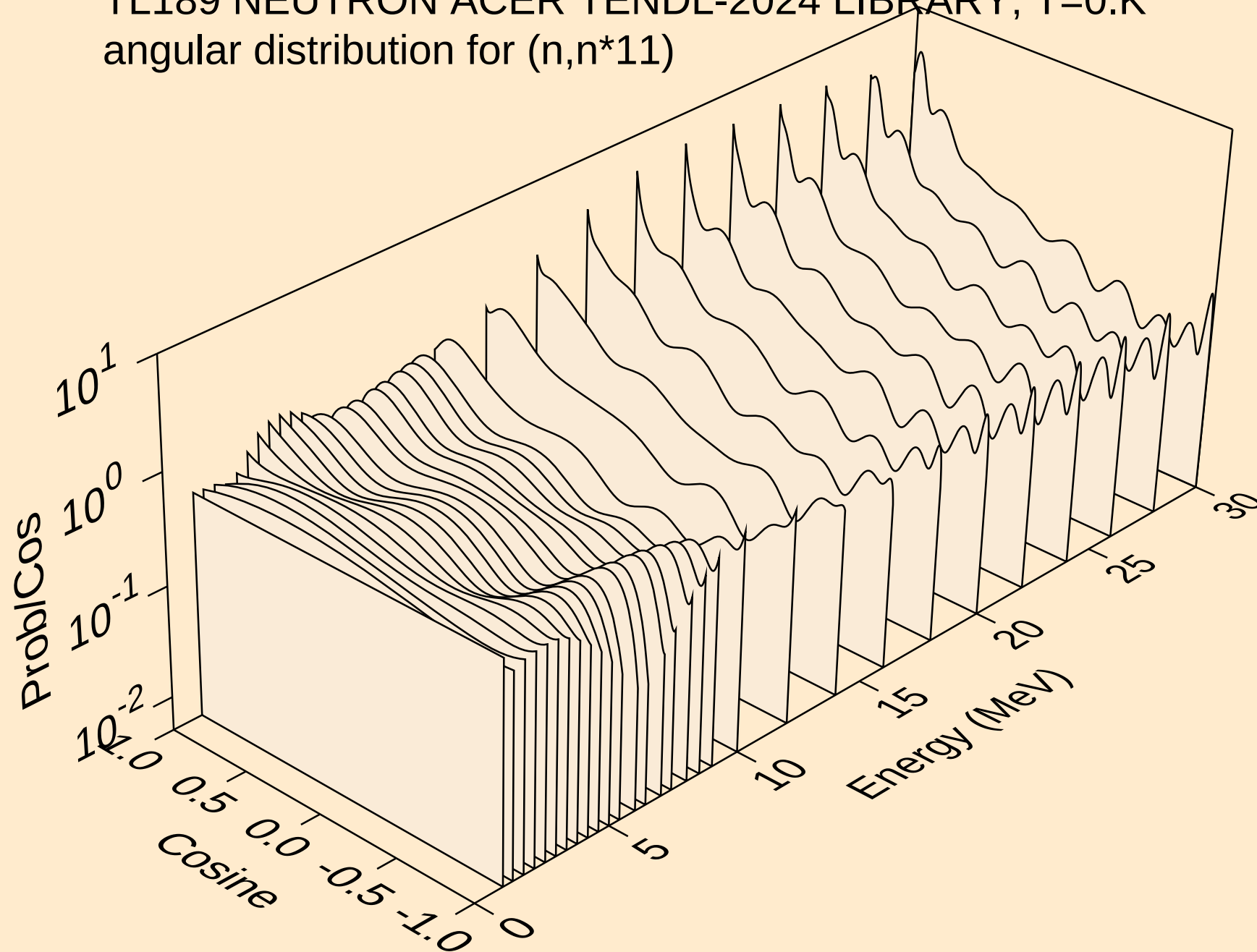
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*9)



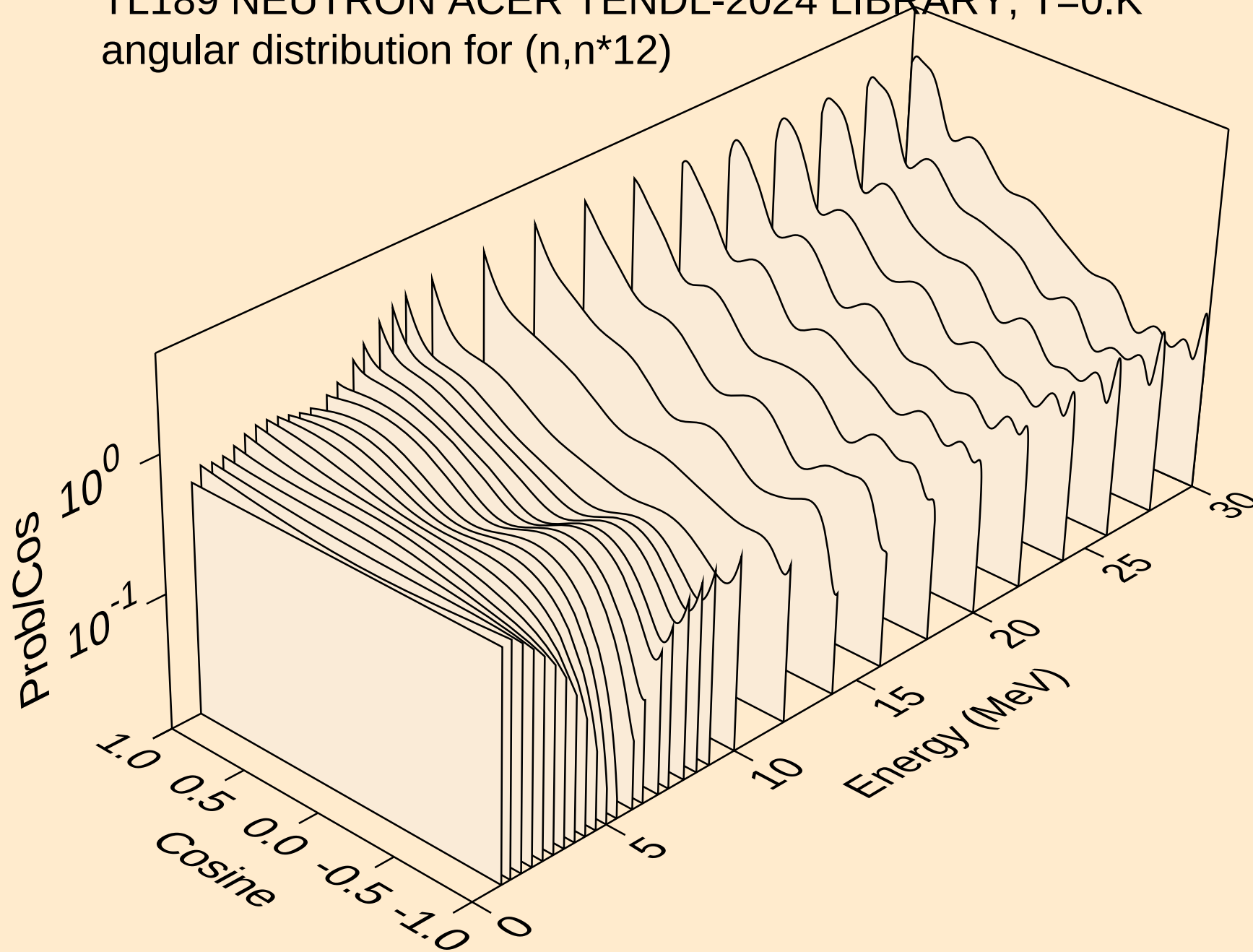
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*10)



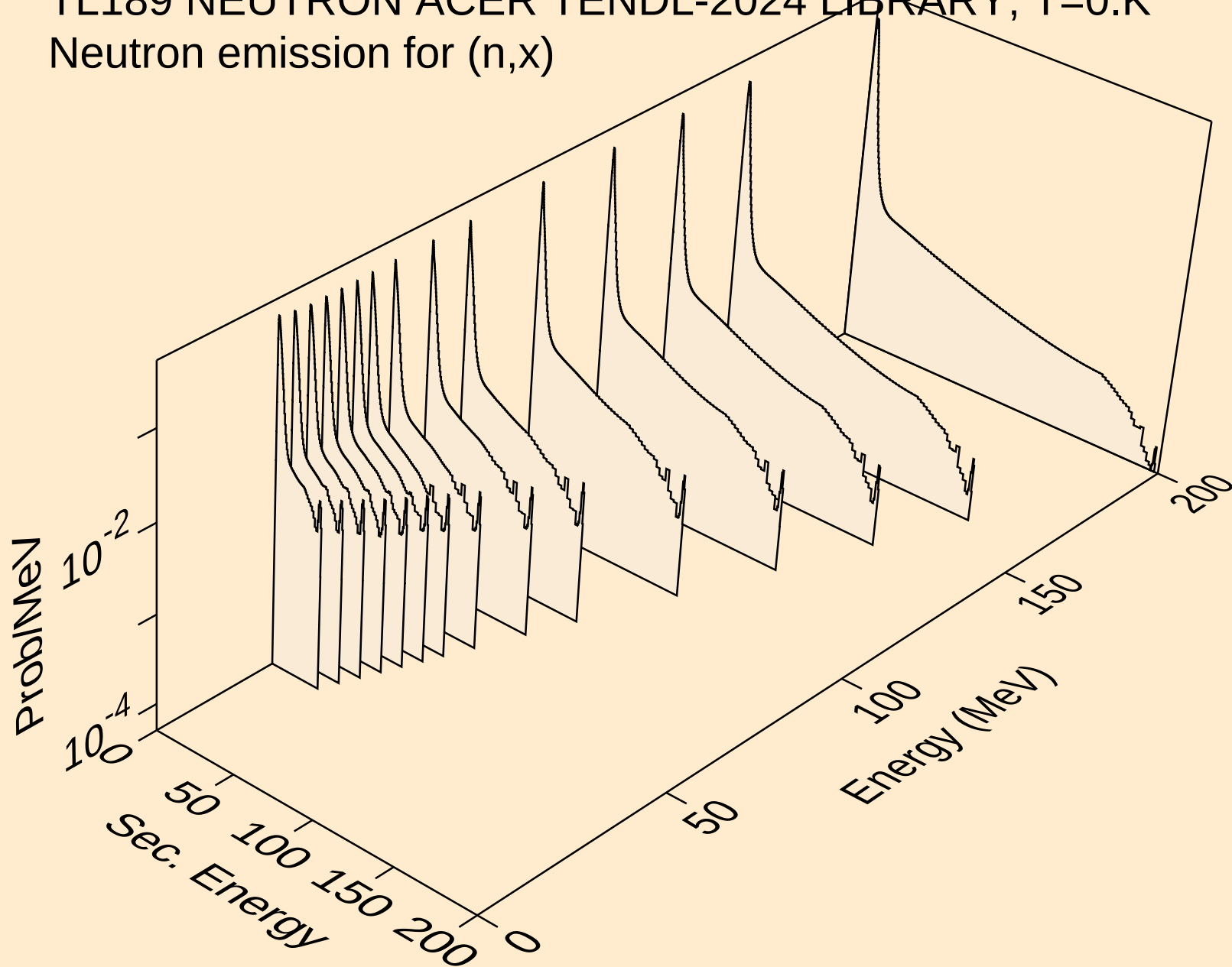
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*11)



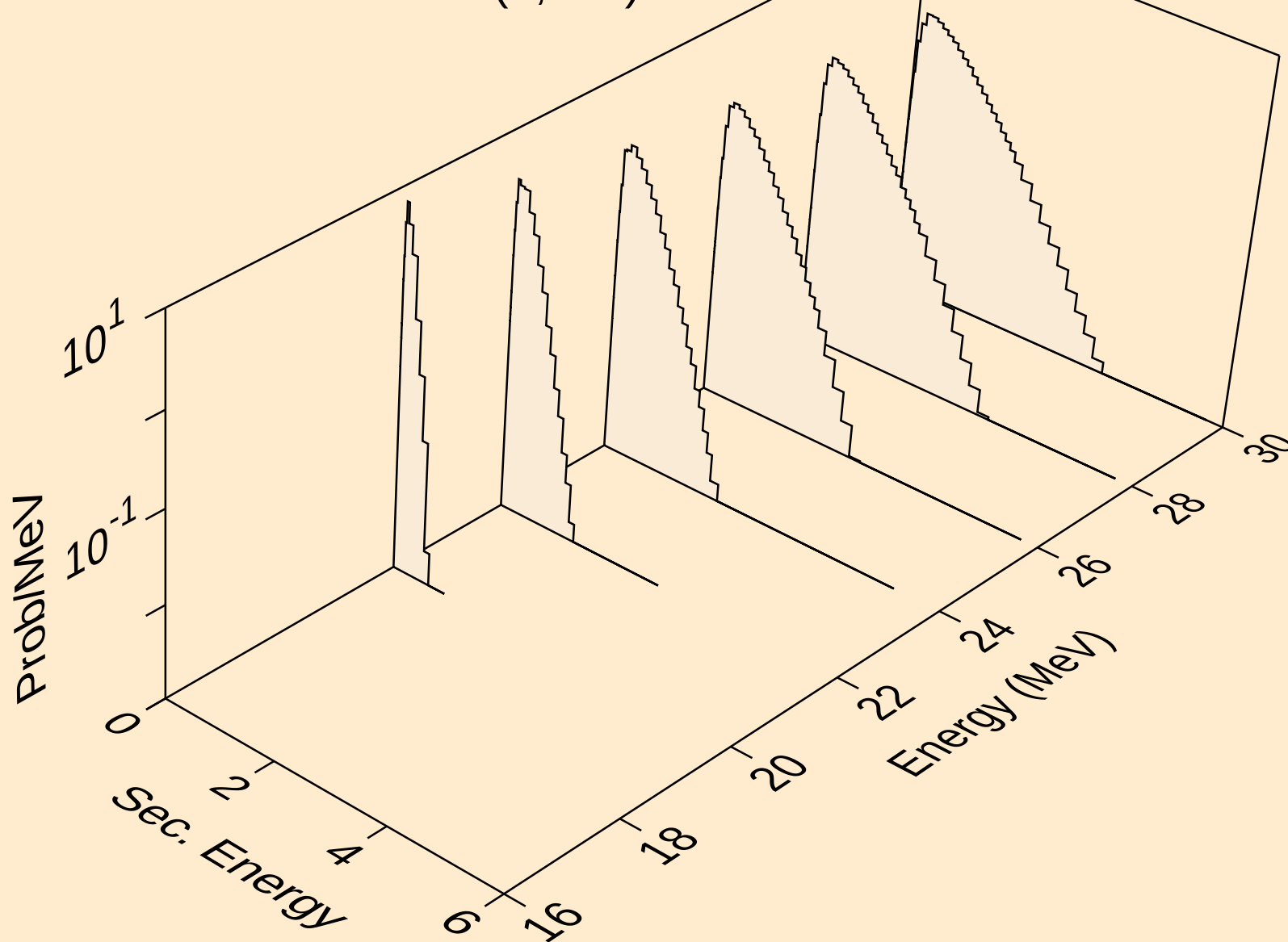
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*12)



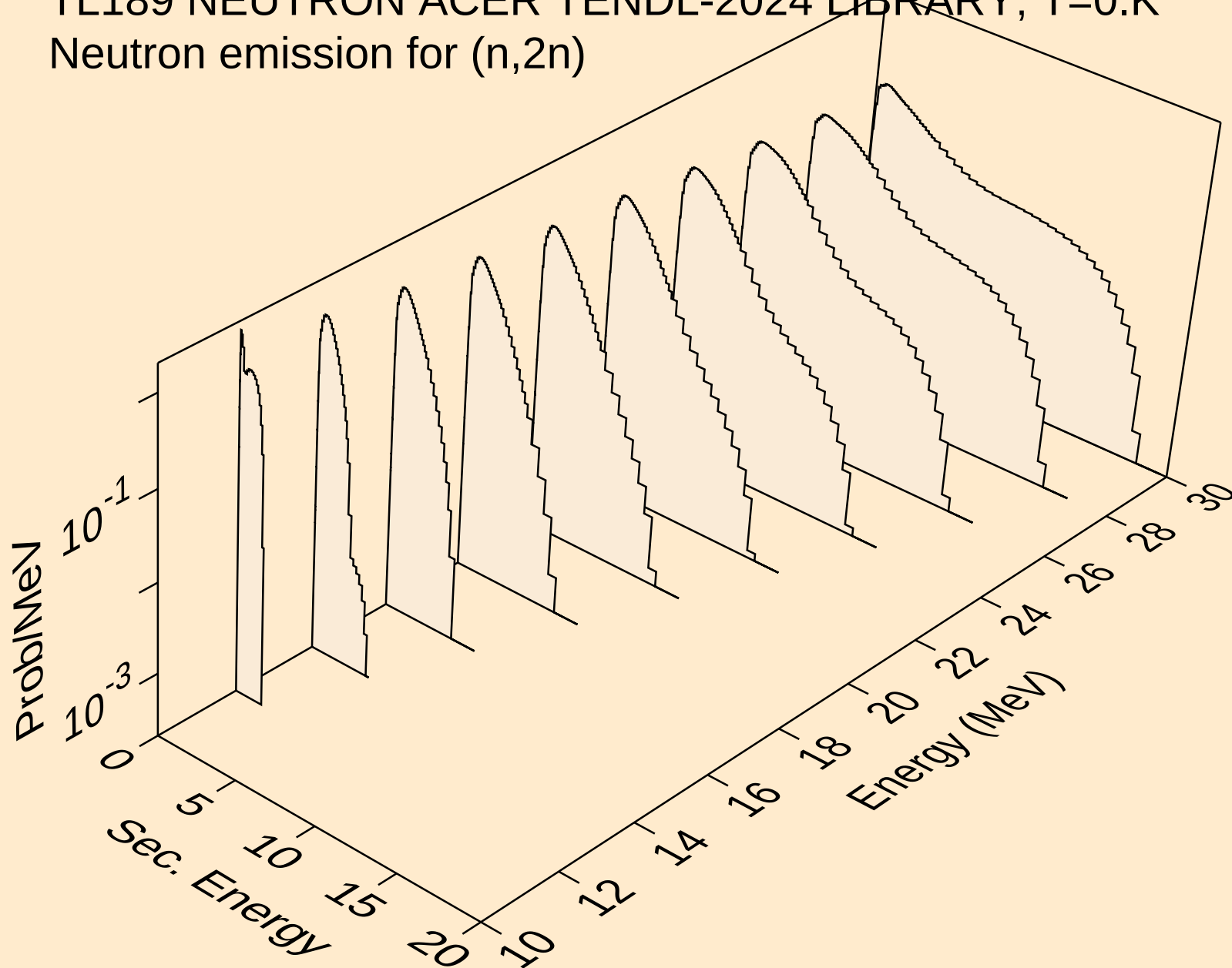
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,x)



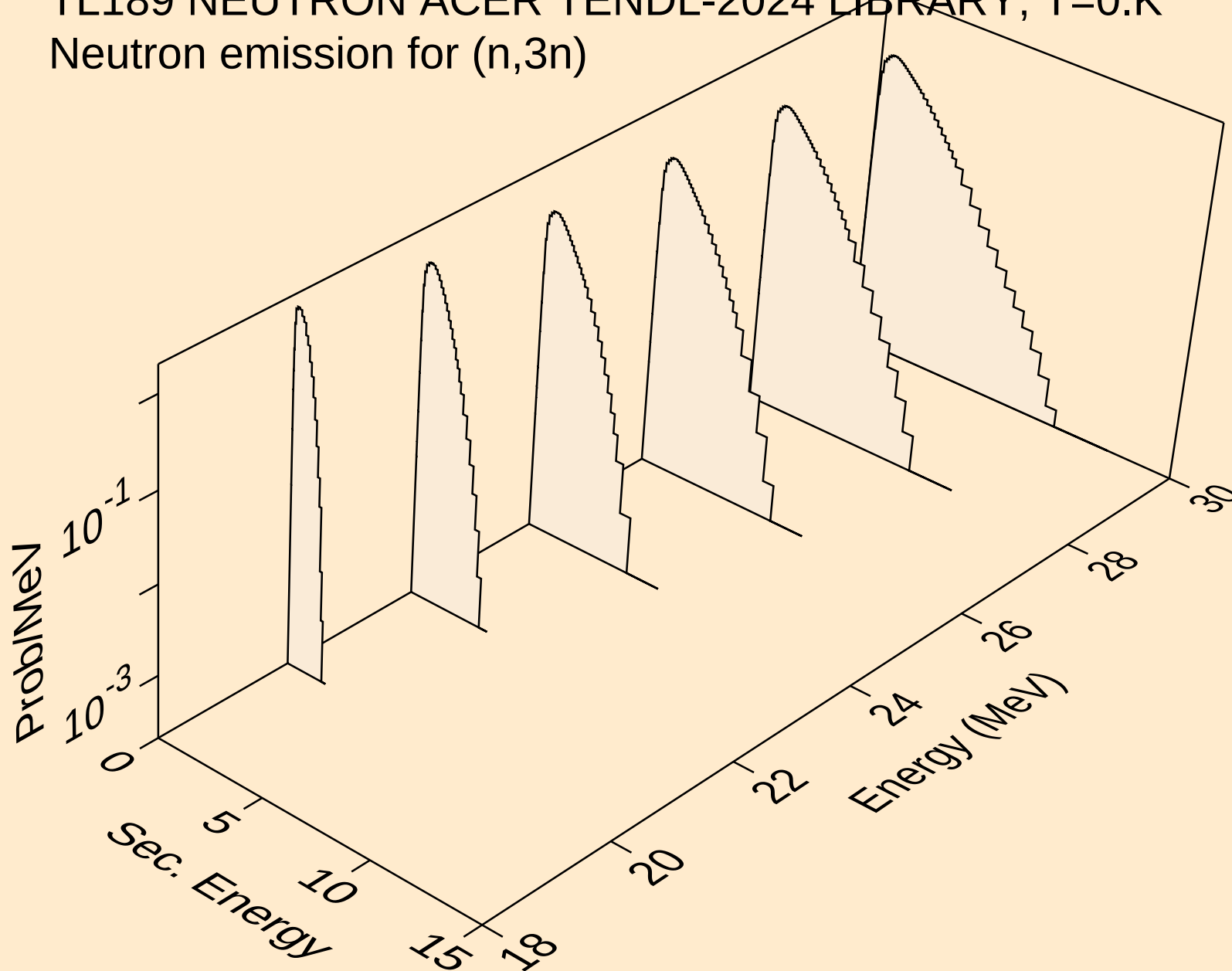
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2nd)



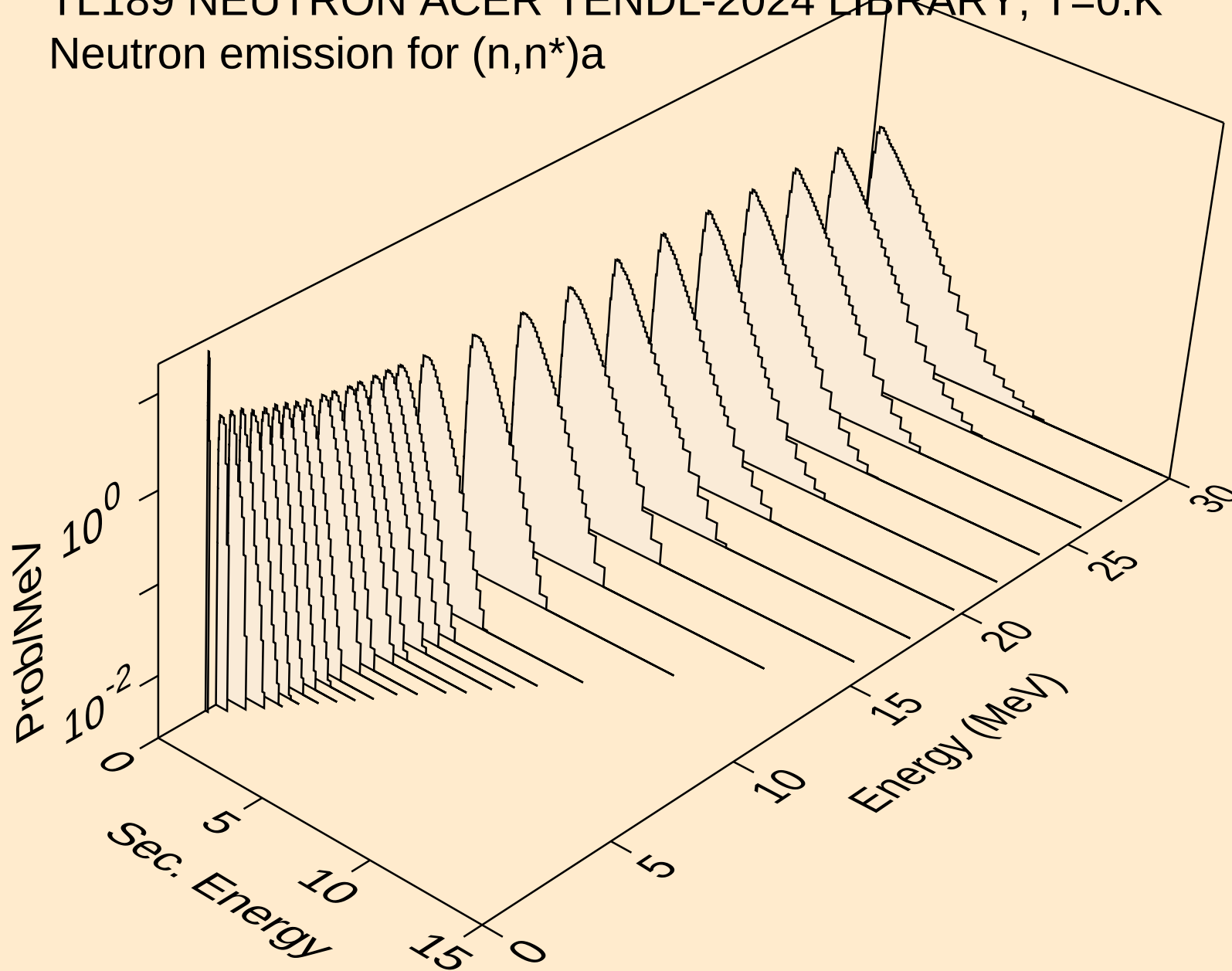
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)



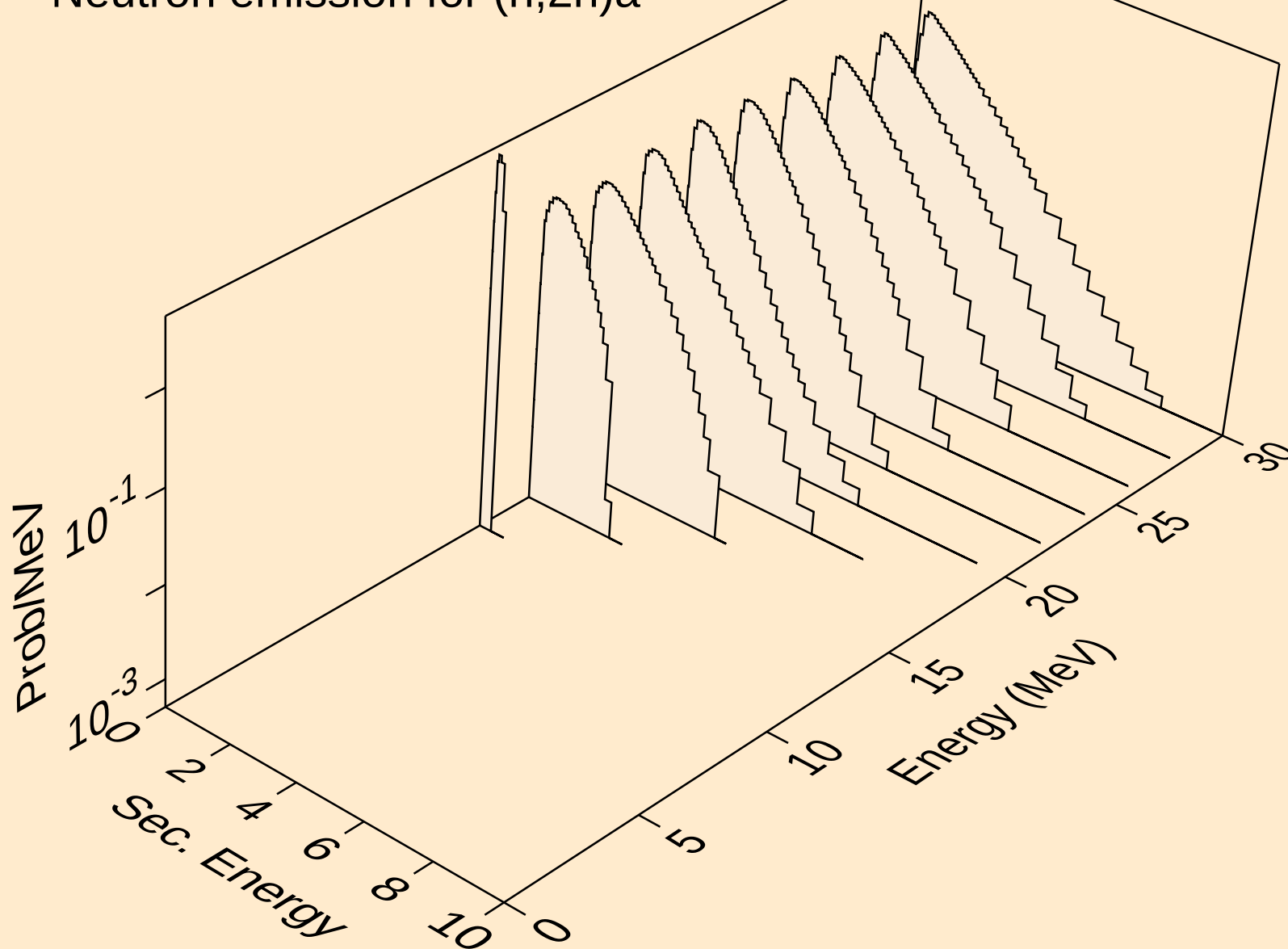
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3n)



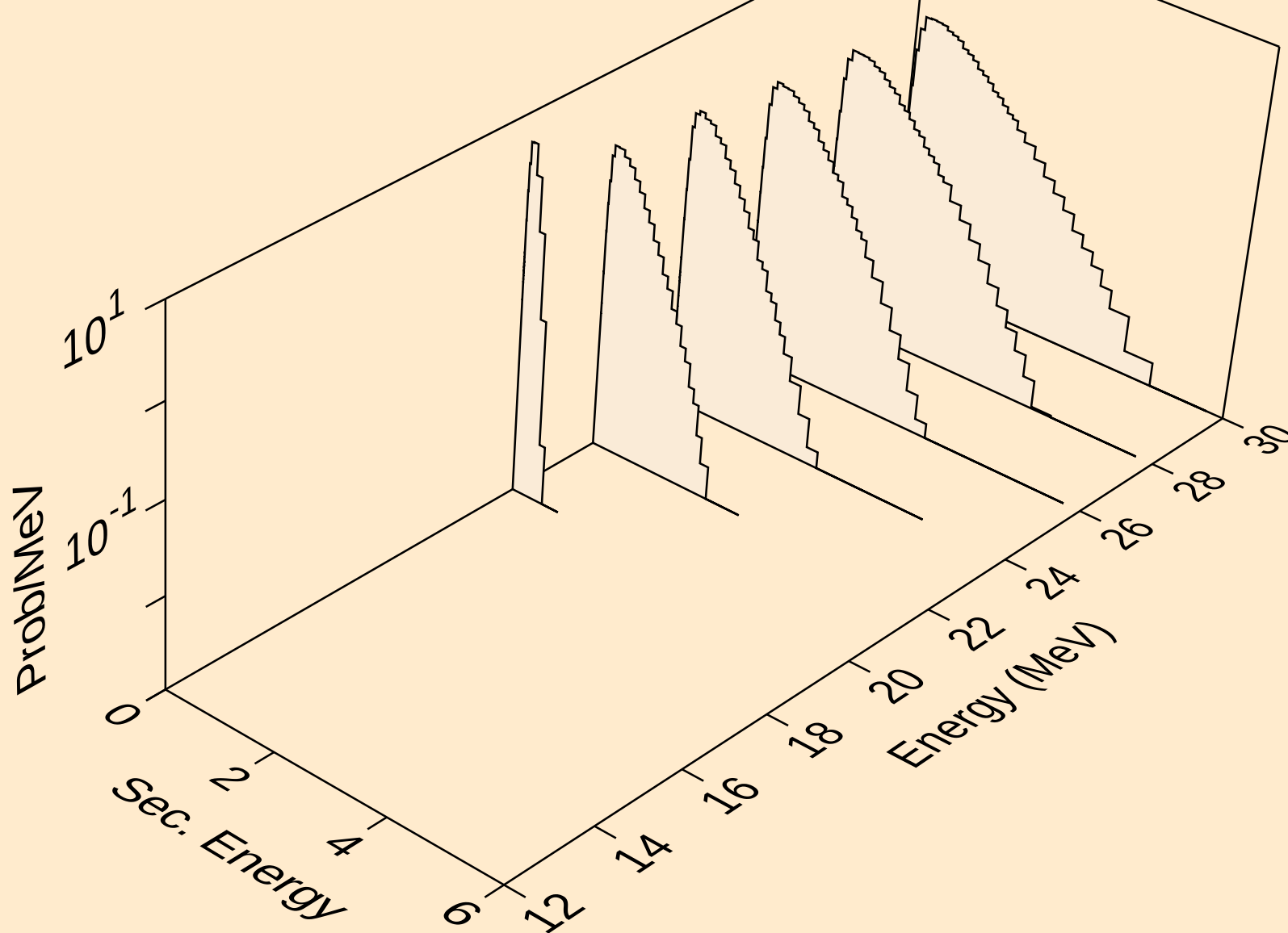
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)a



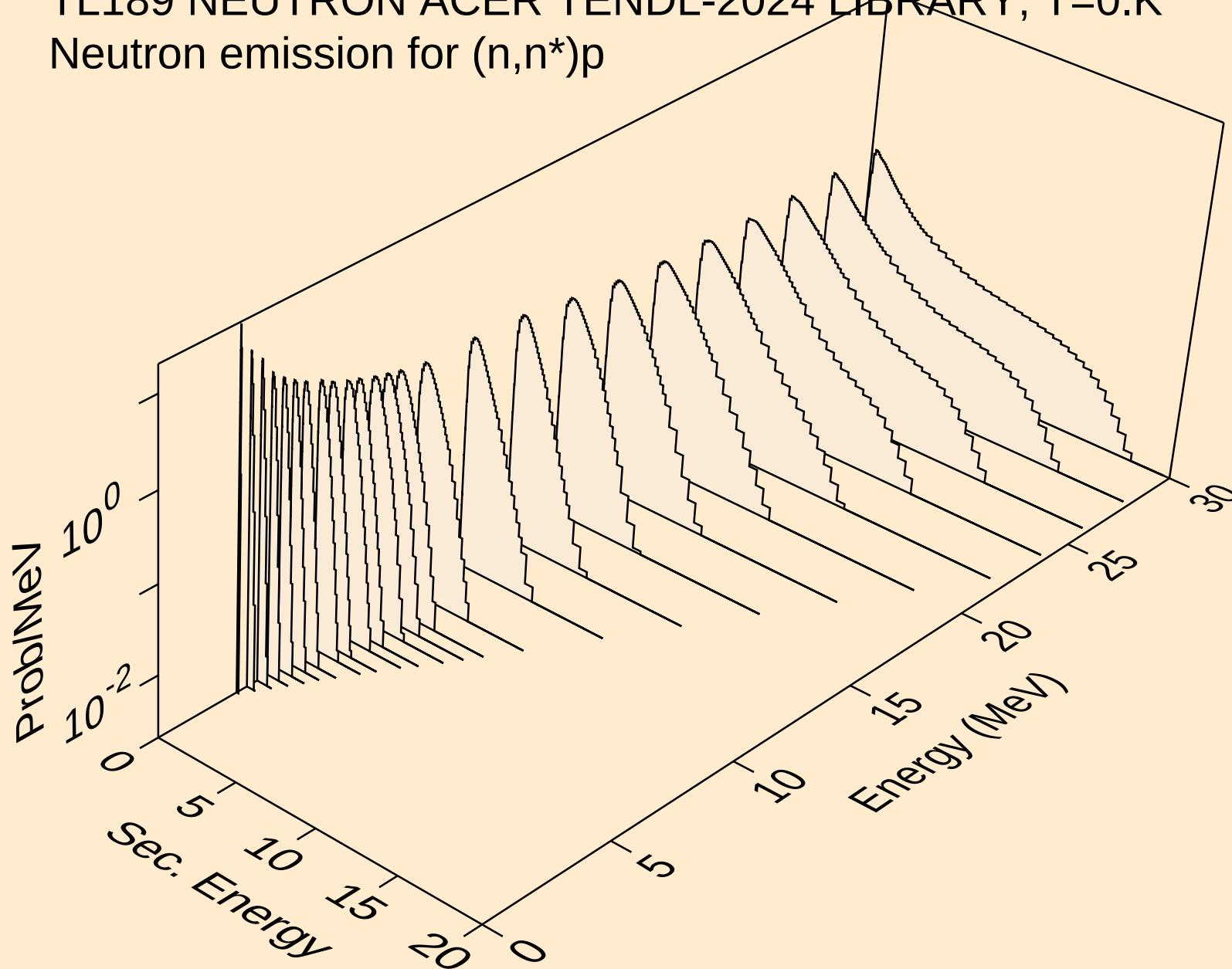
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)_a



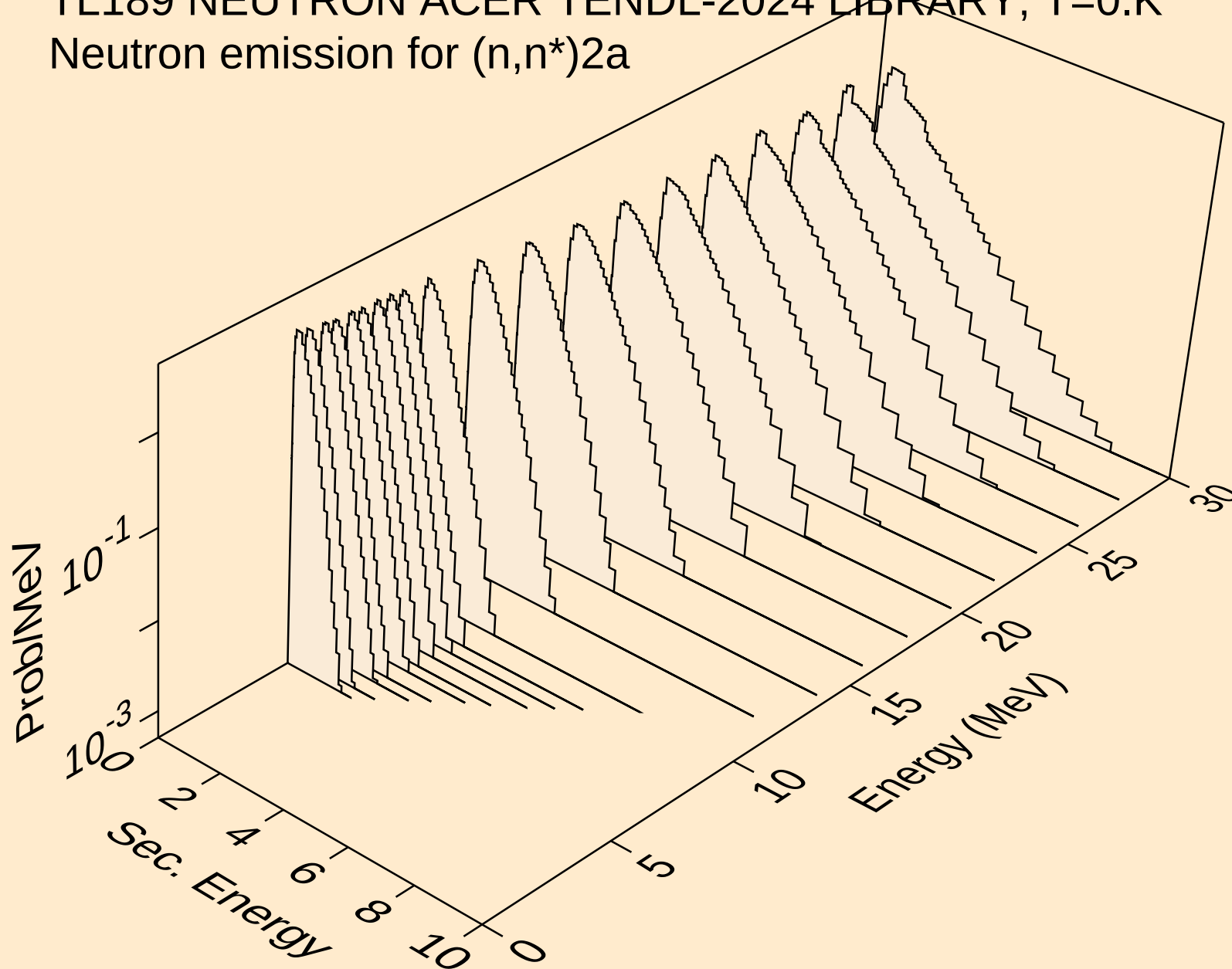
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3n)a



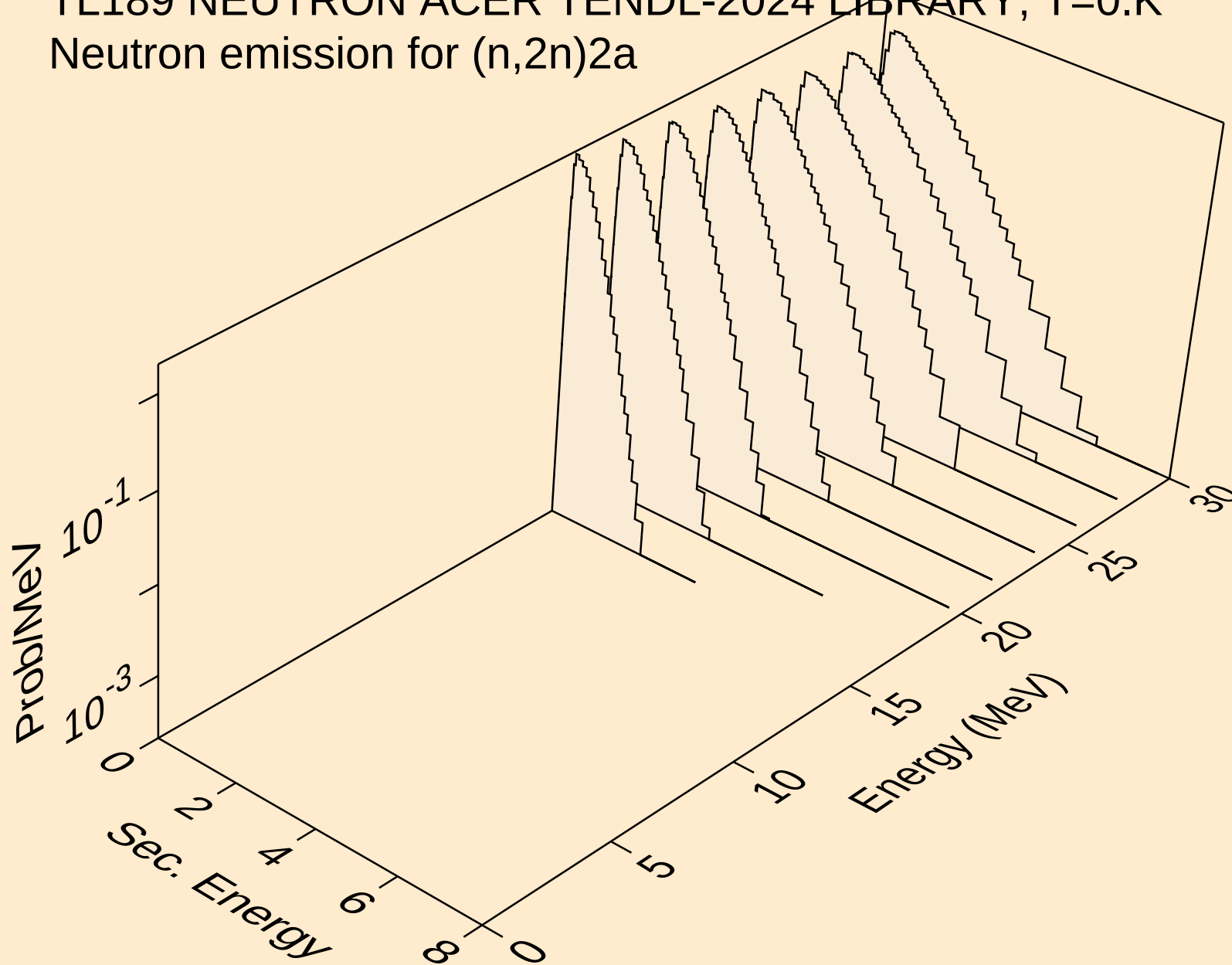
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)p



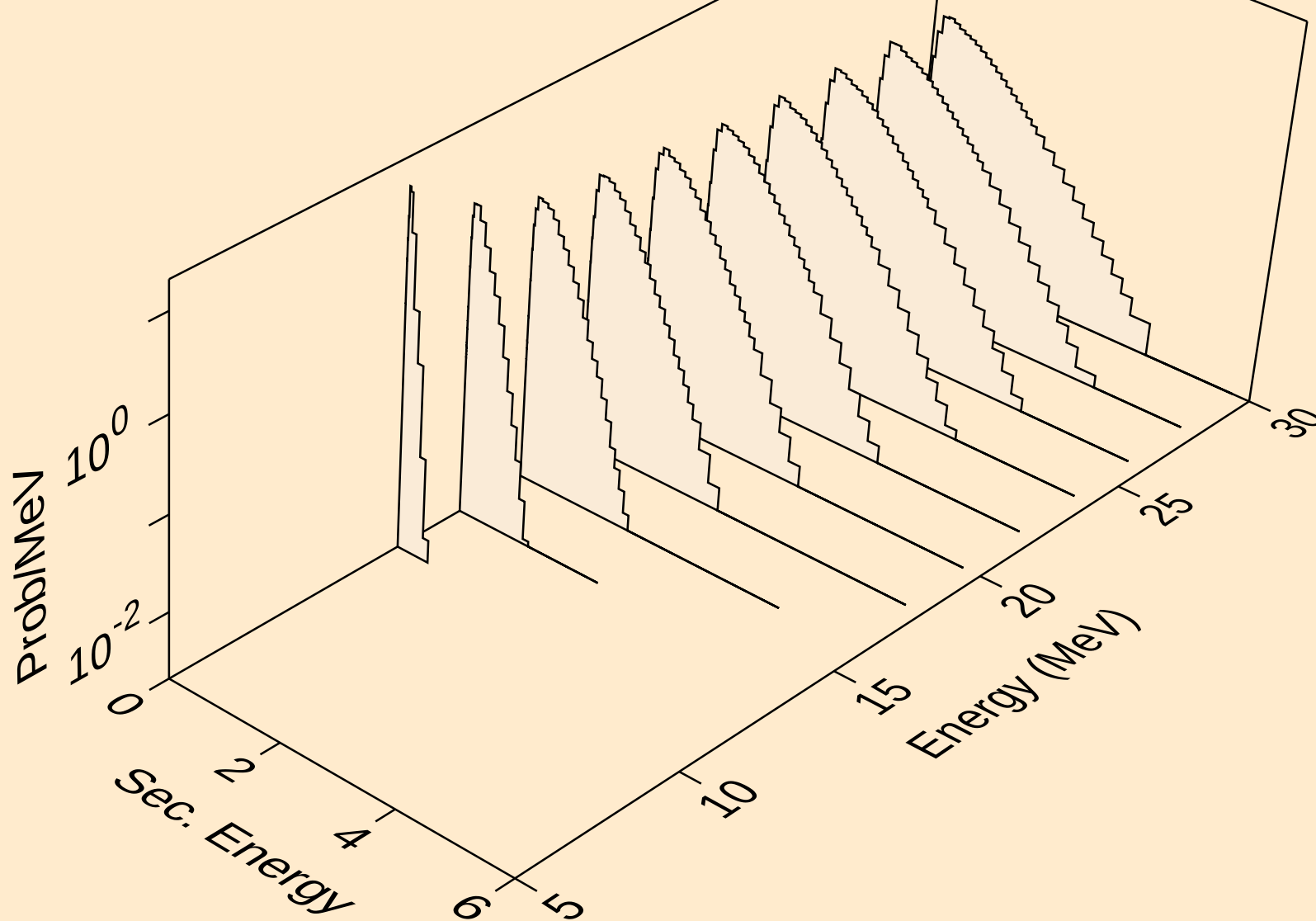
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



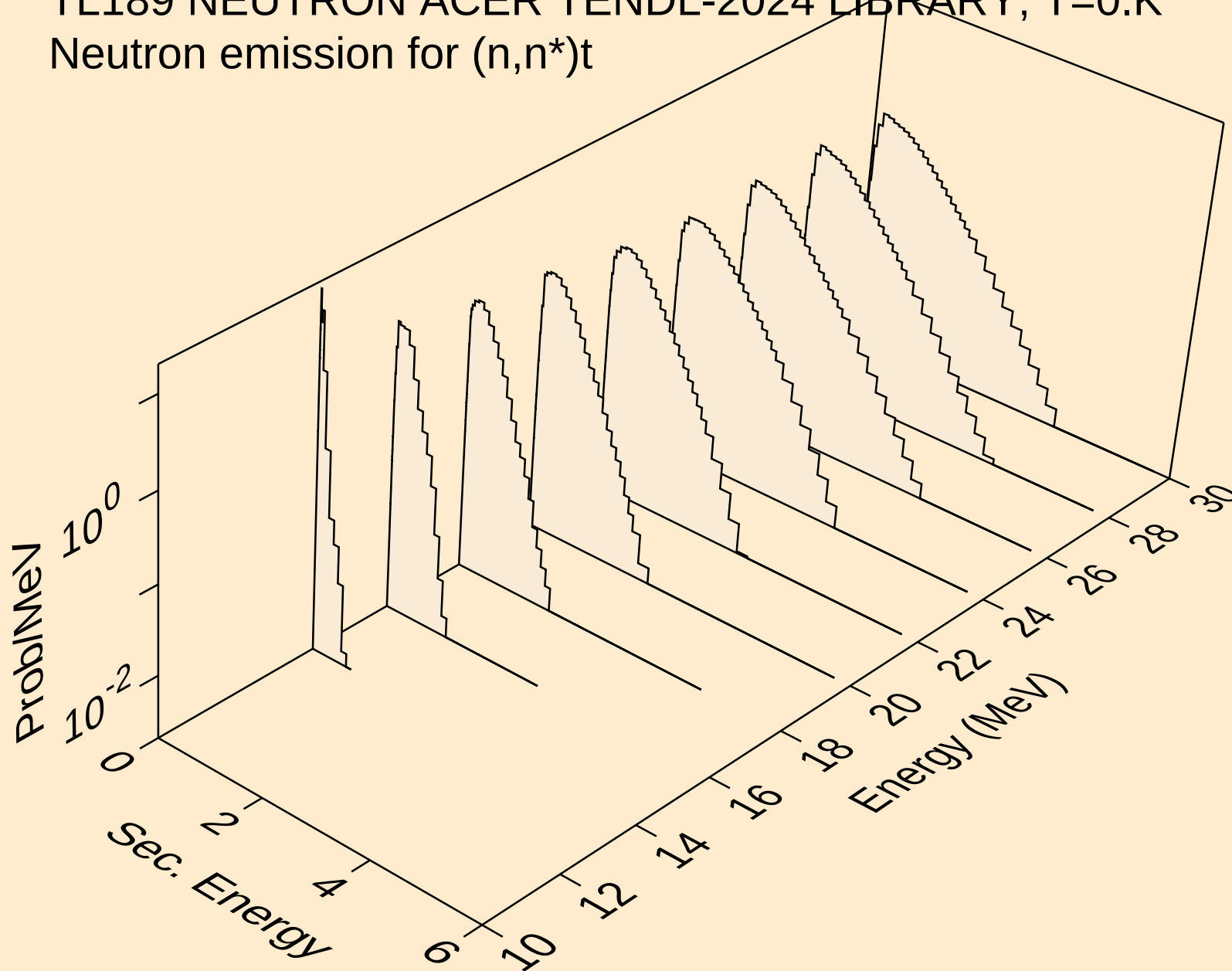
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



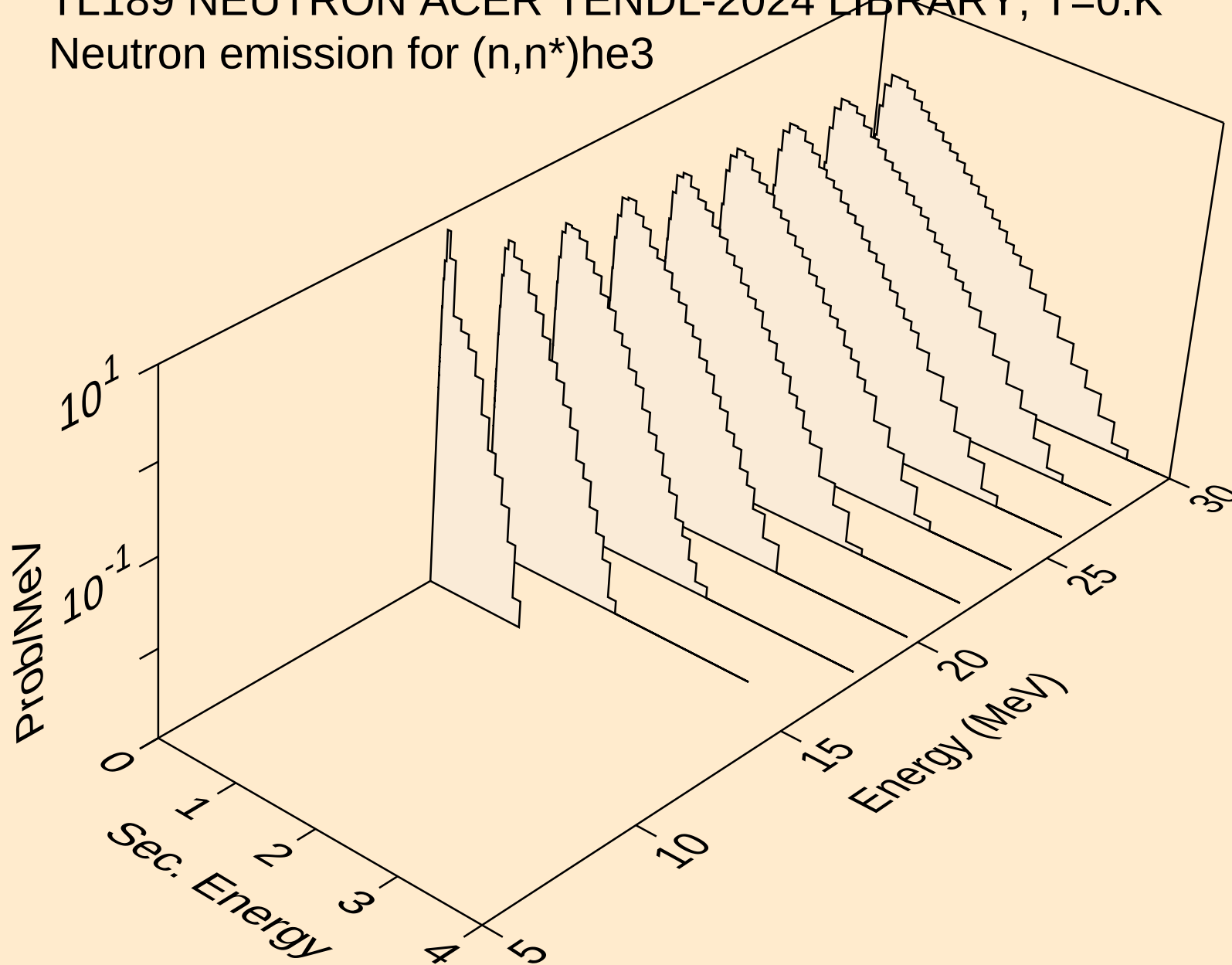
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Neutron emission for (n,n*)d



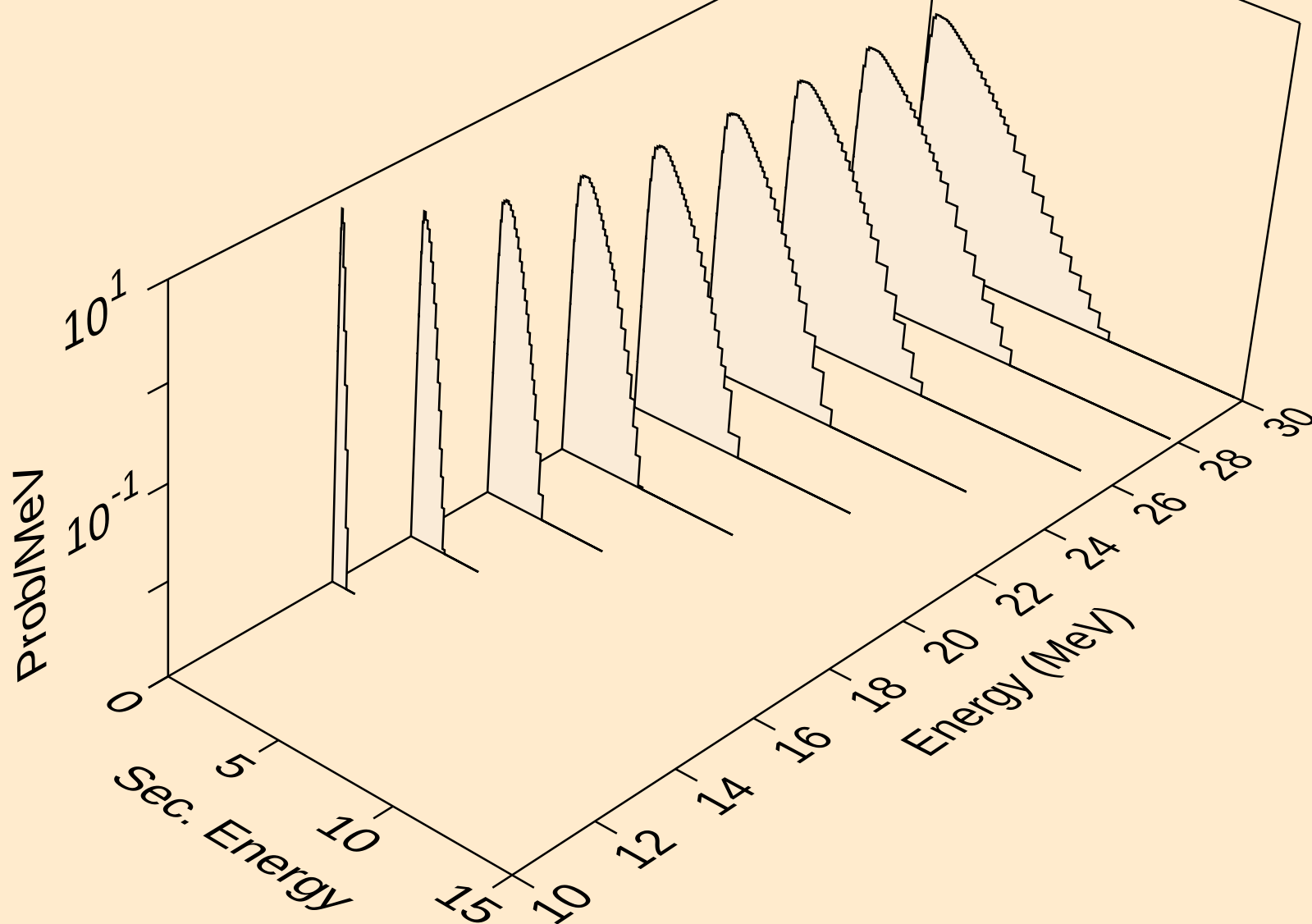
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Neutron emission for (n,n*)t



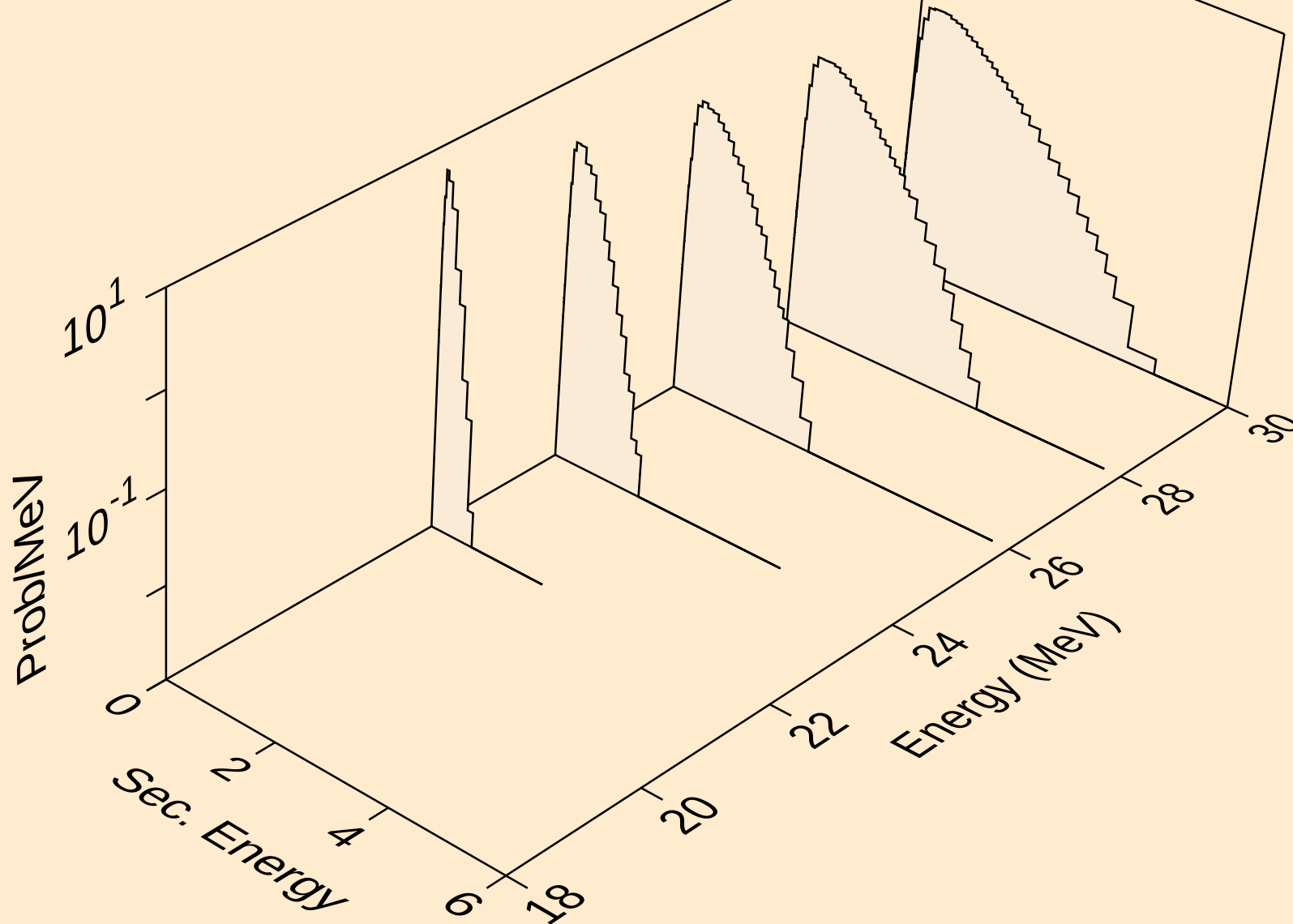
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



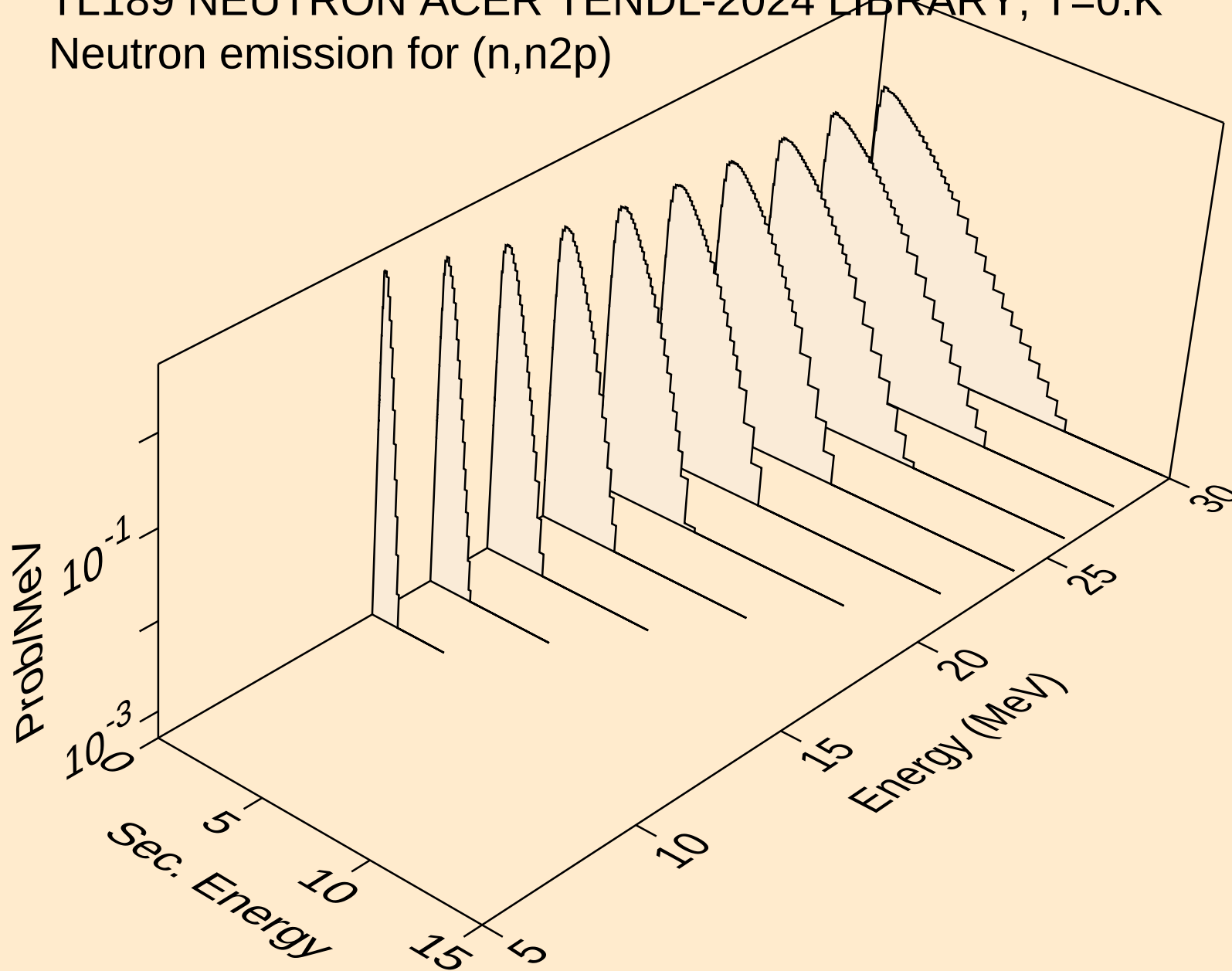
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2np)



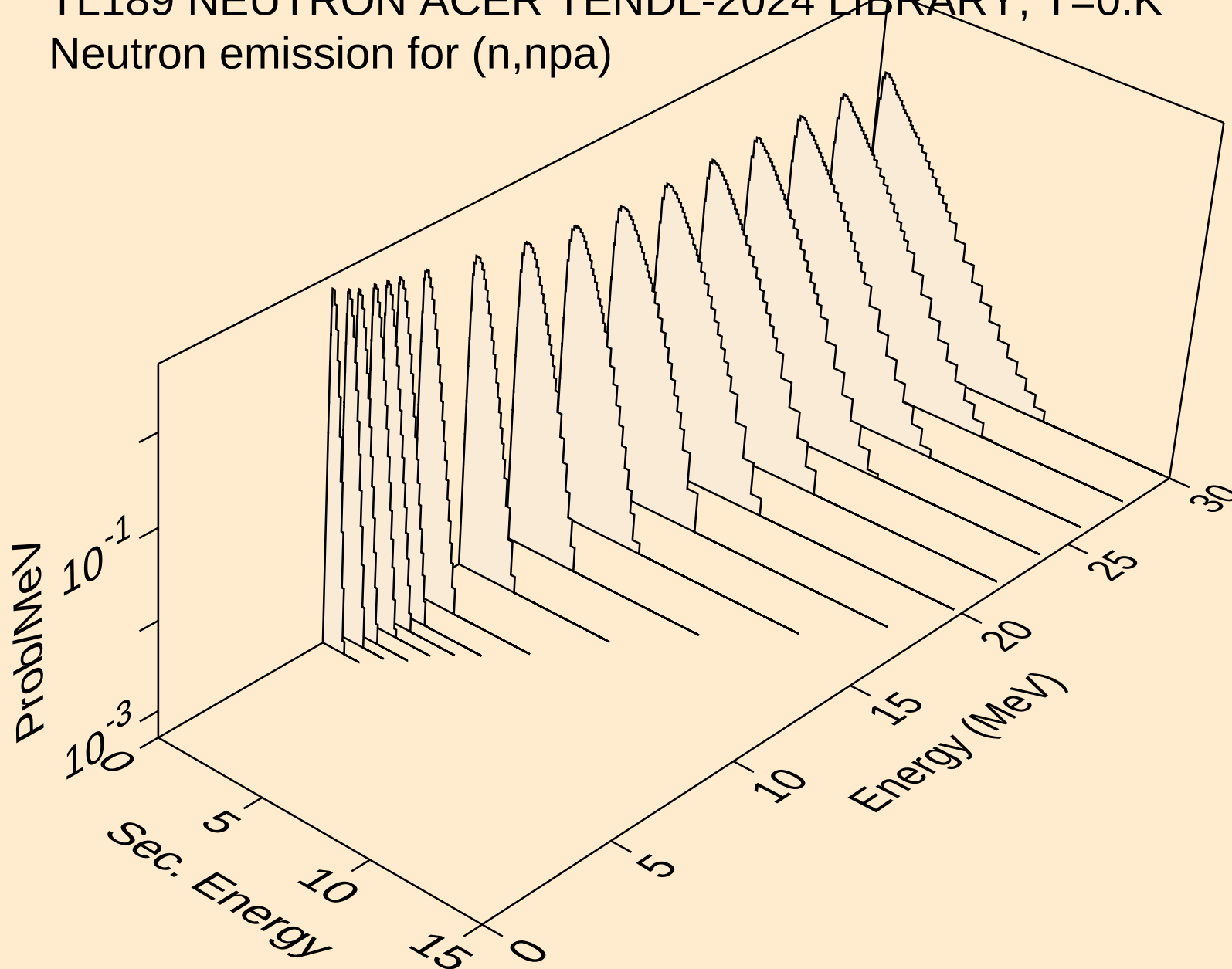
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3np)



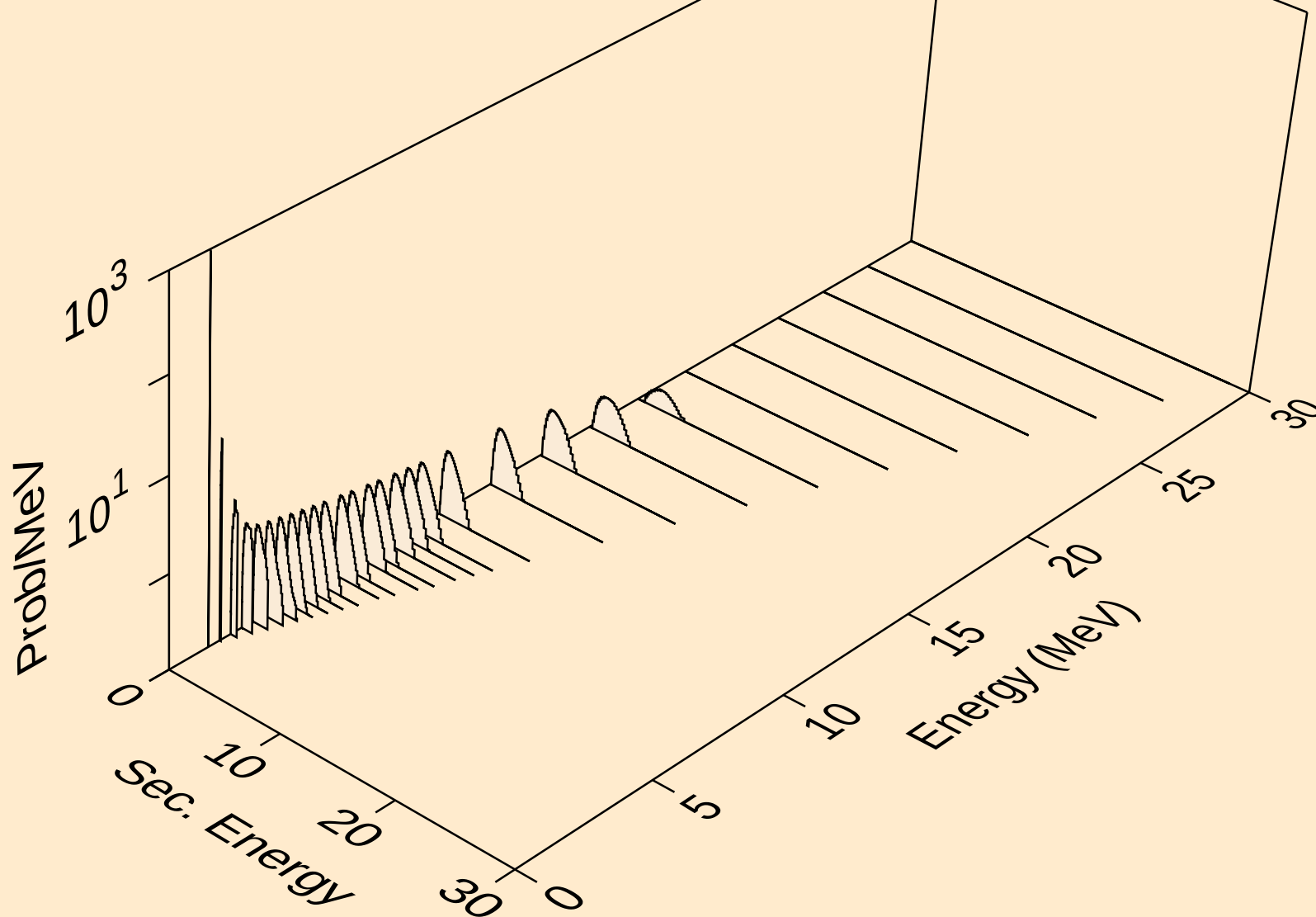
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n2p)



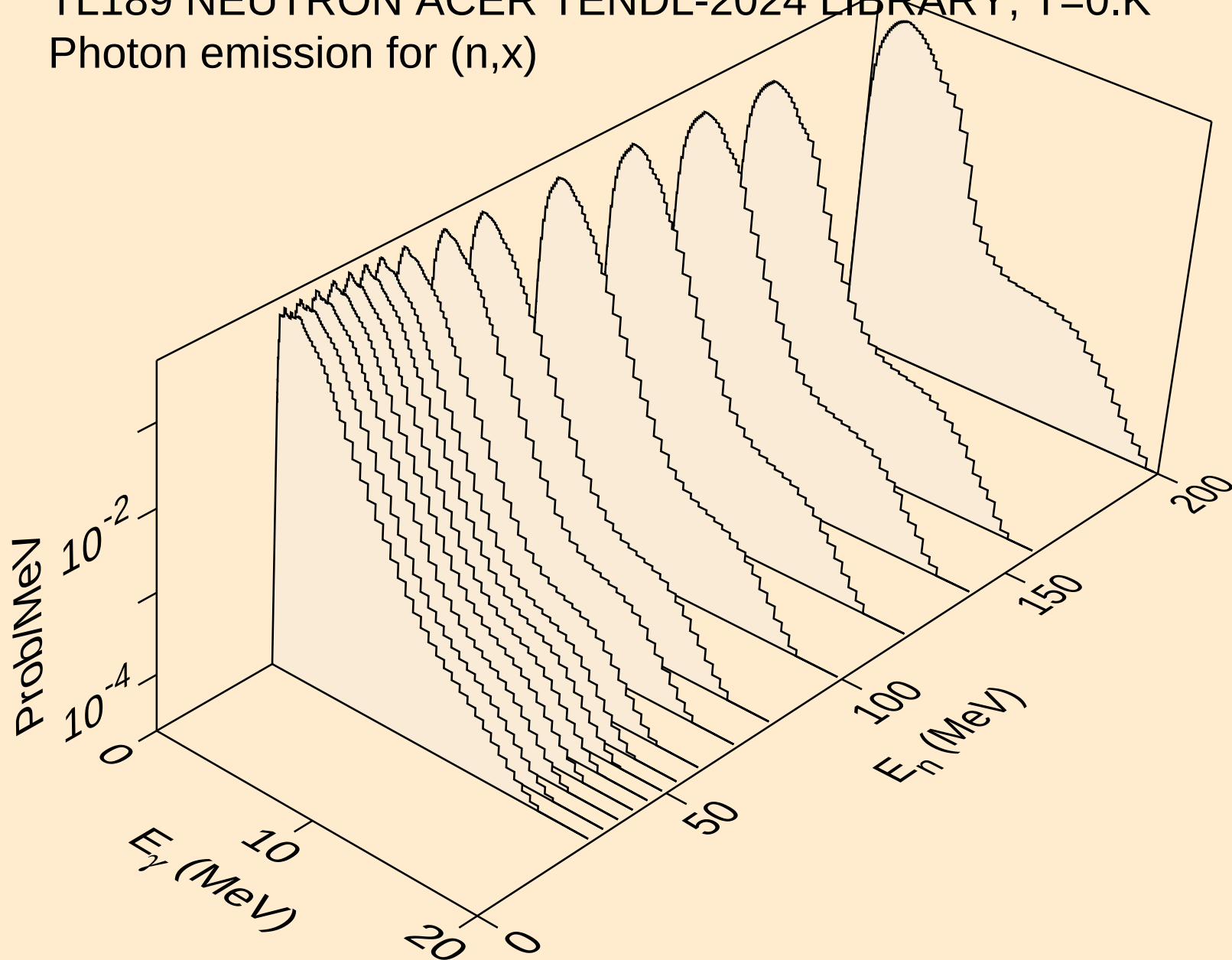
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Neutron emission for (n,npa)



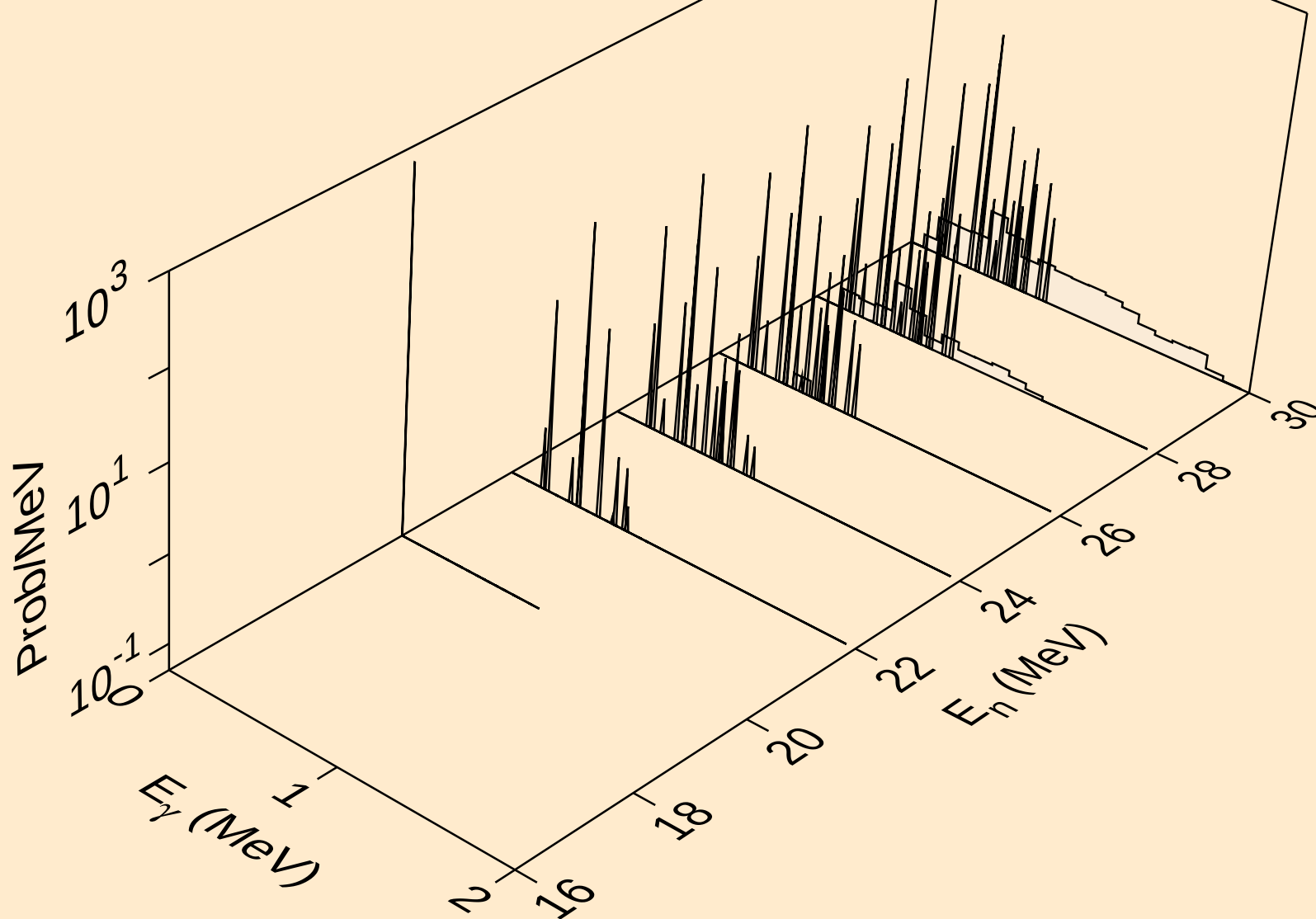
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Neutron emission for (n,n*c)



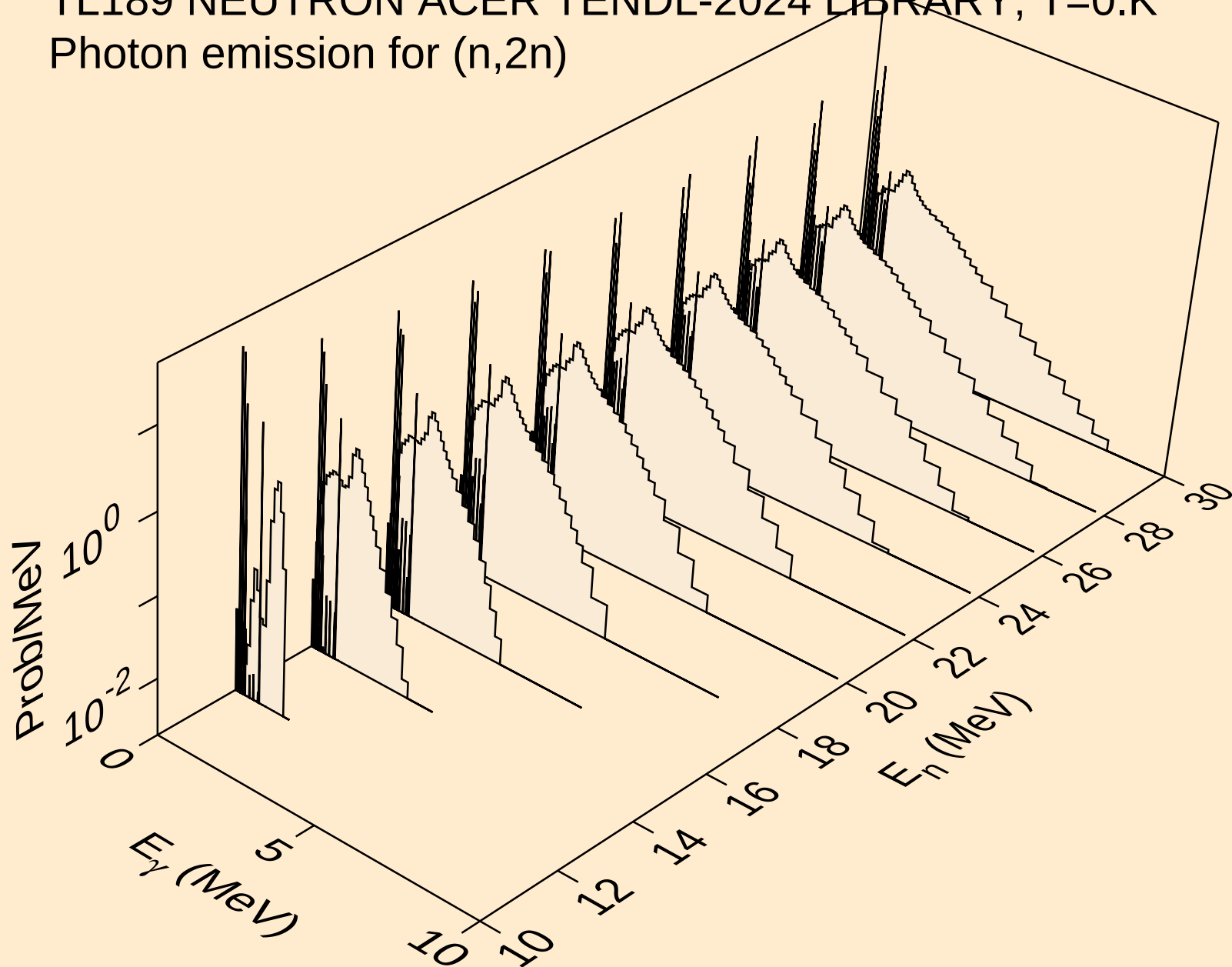
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,x)



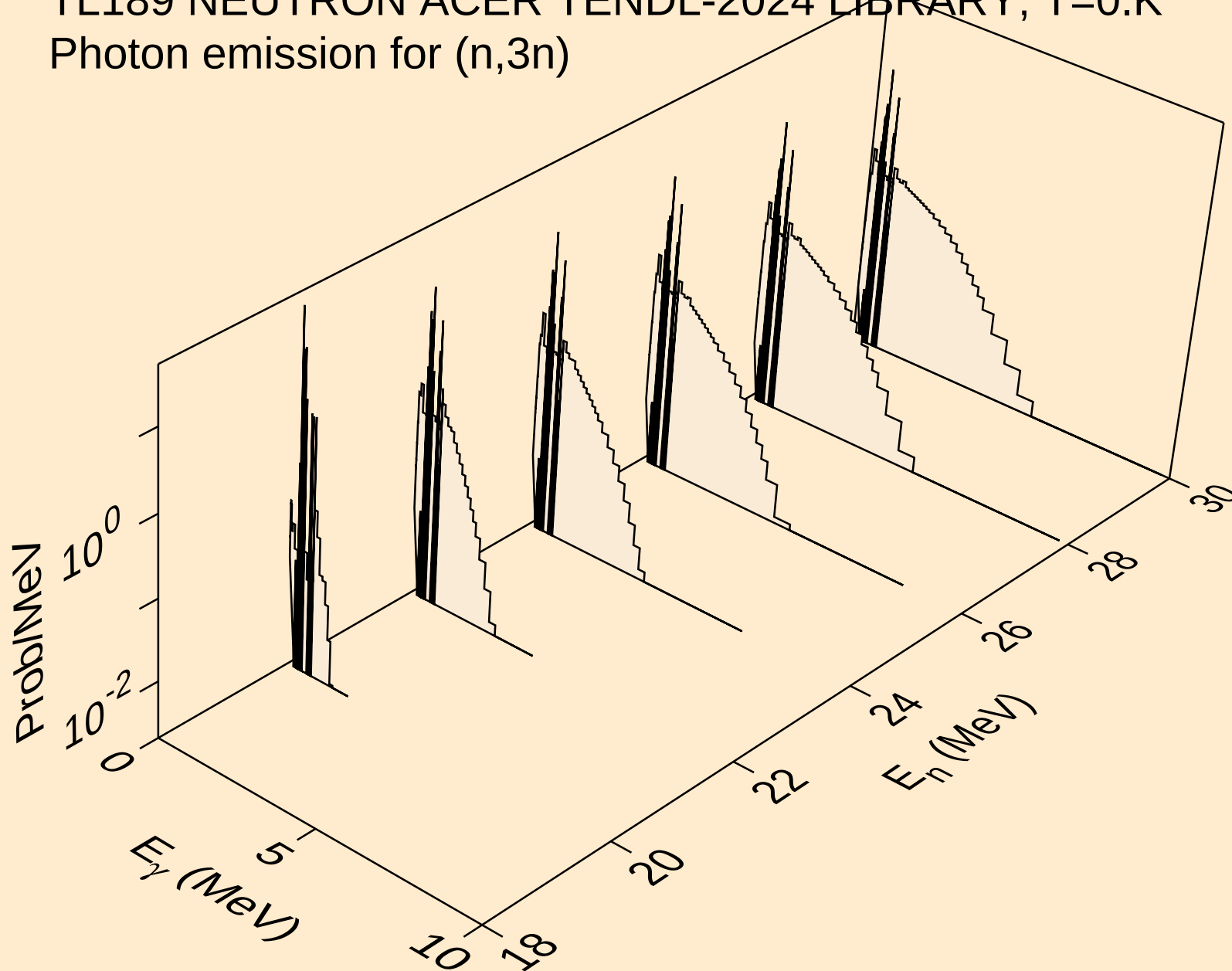
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



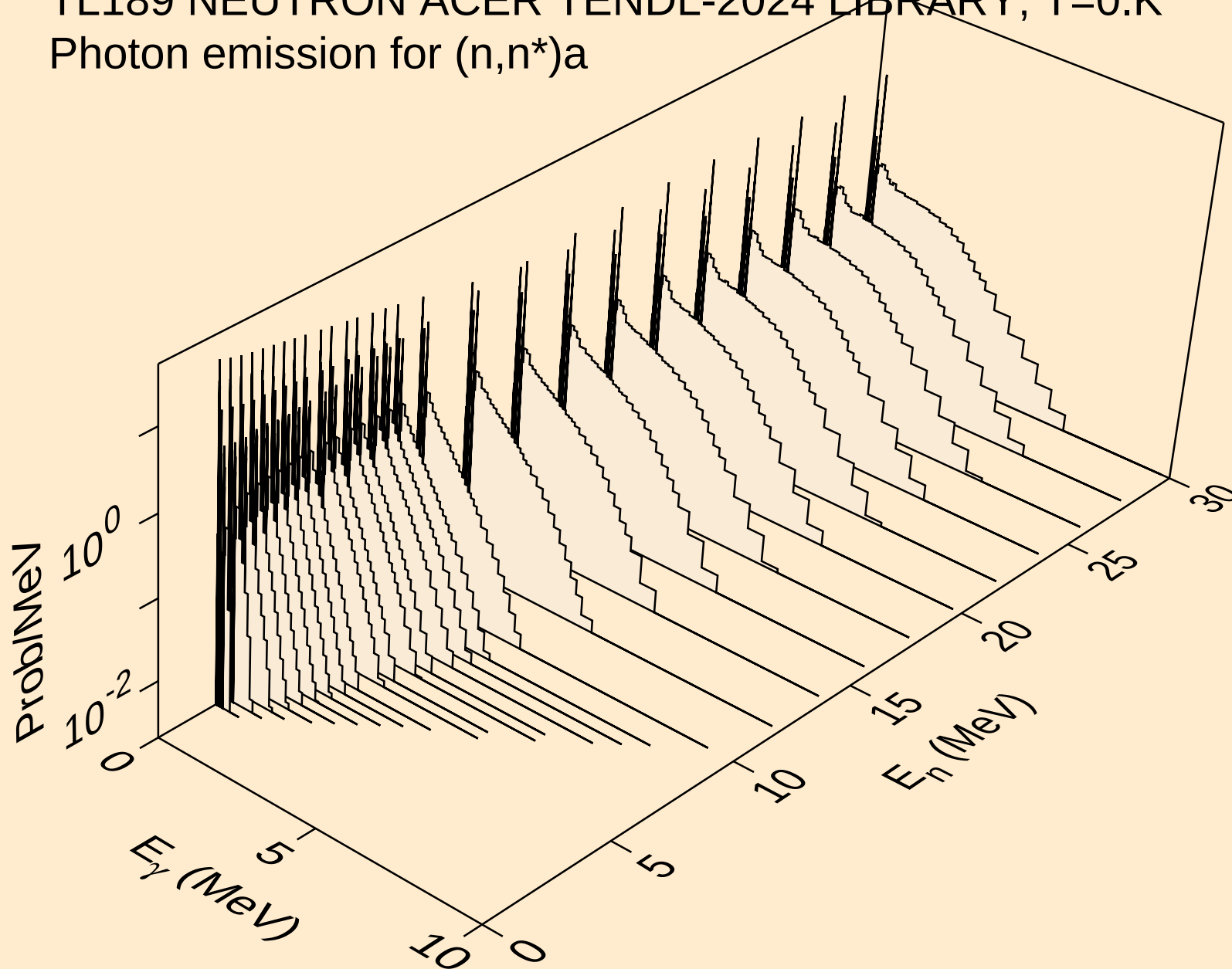
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Photon emission for (n,2n)



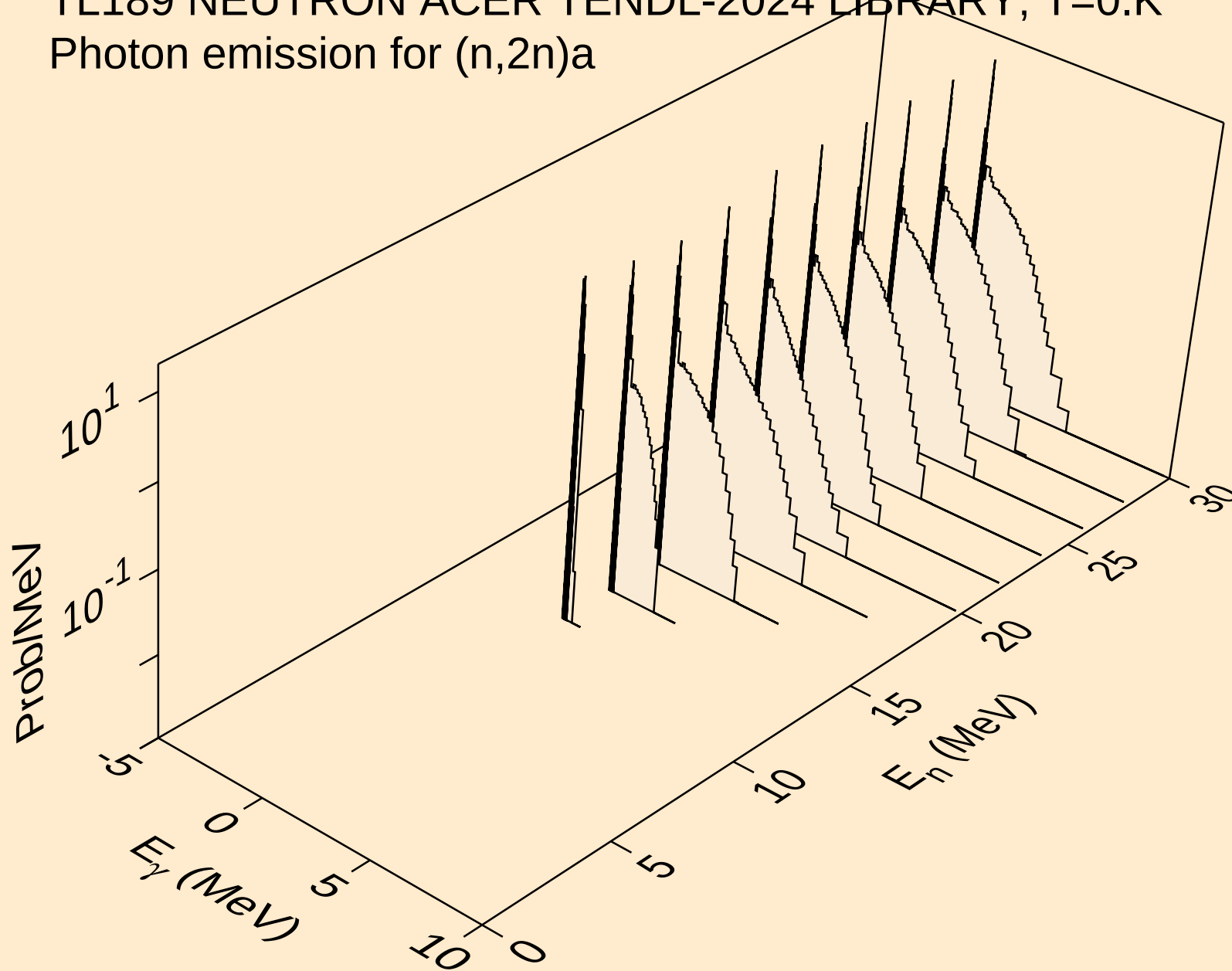
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)



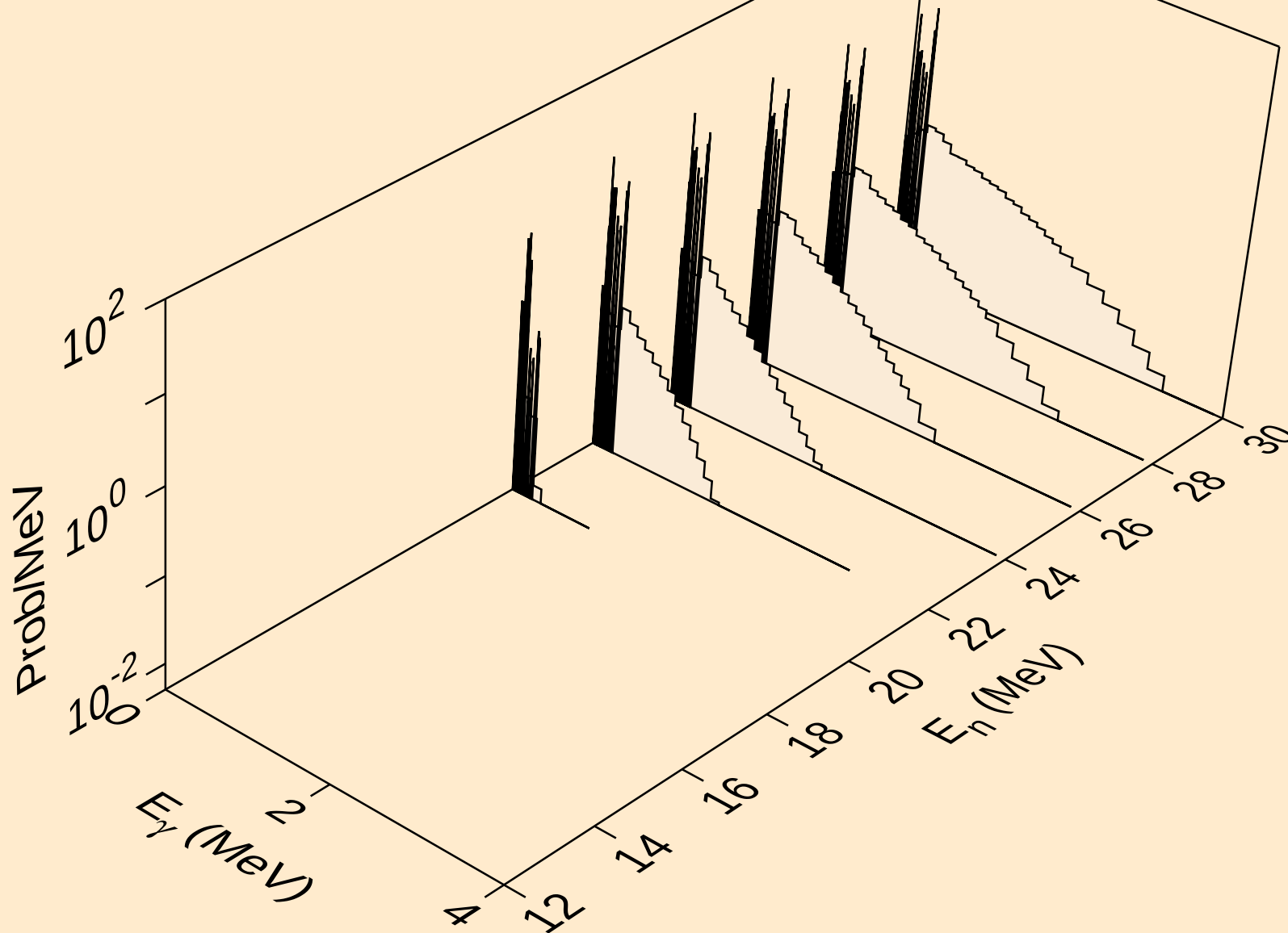
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)a



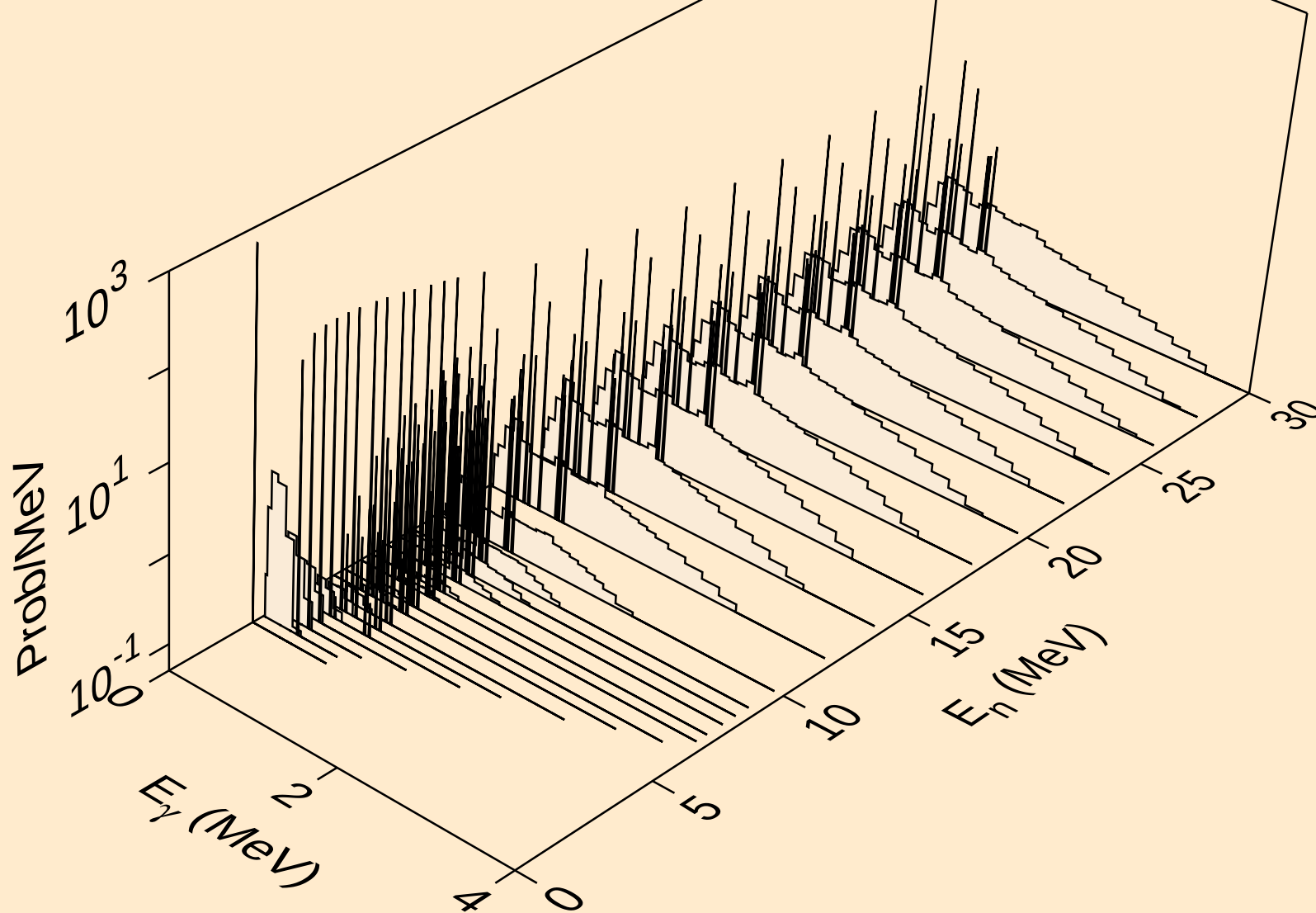
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n) α



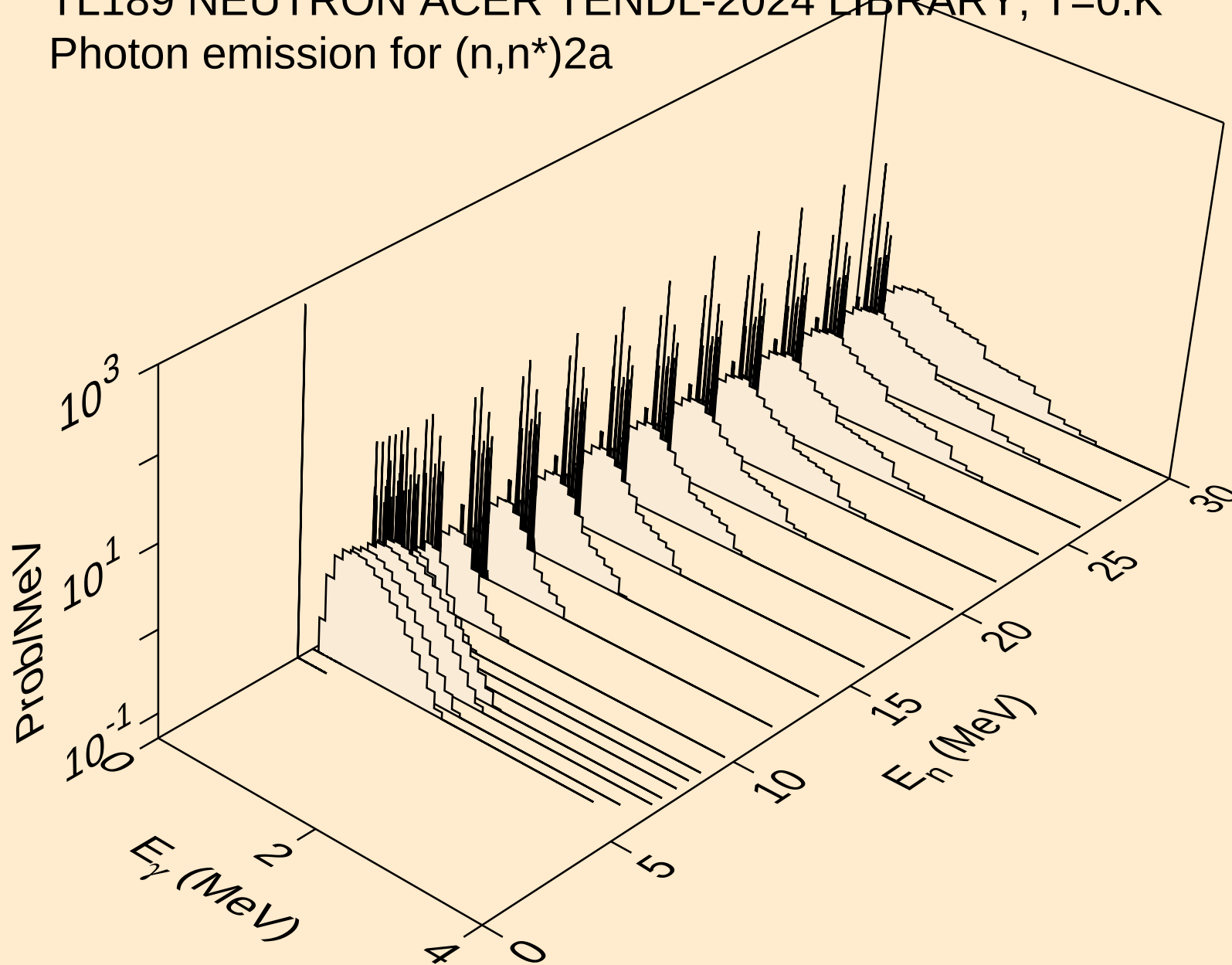
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n) α



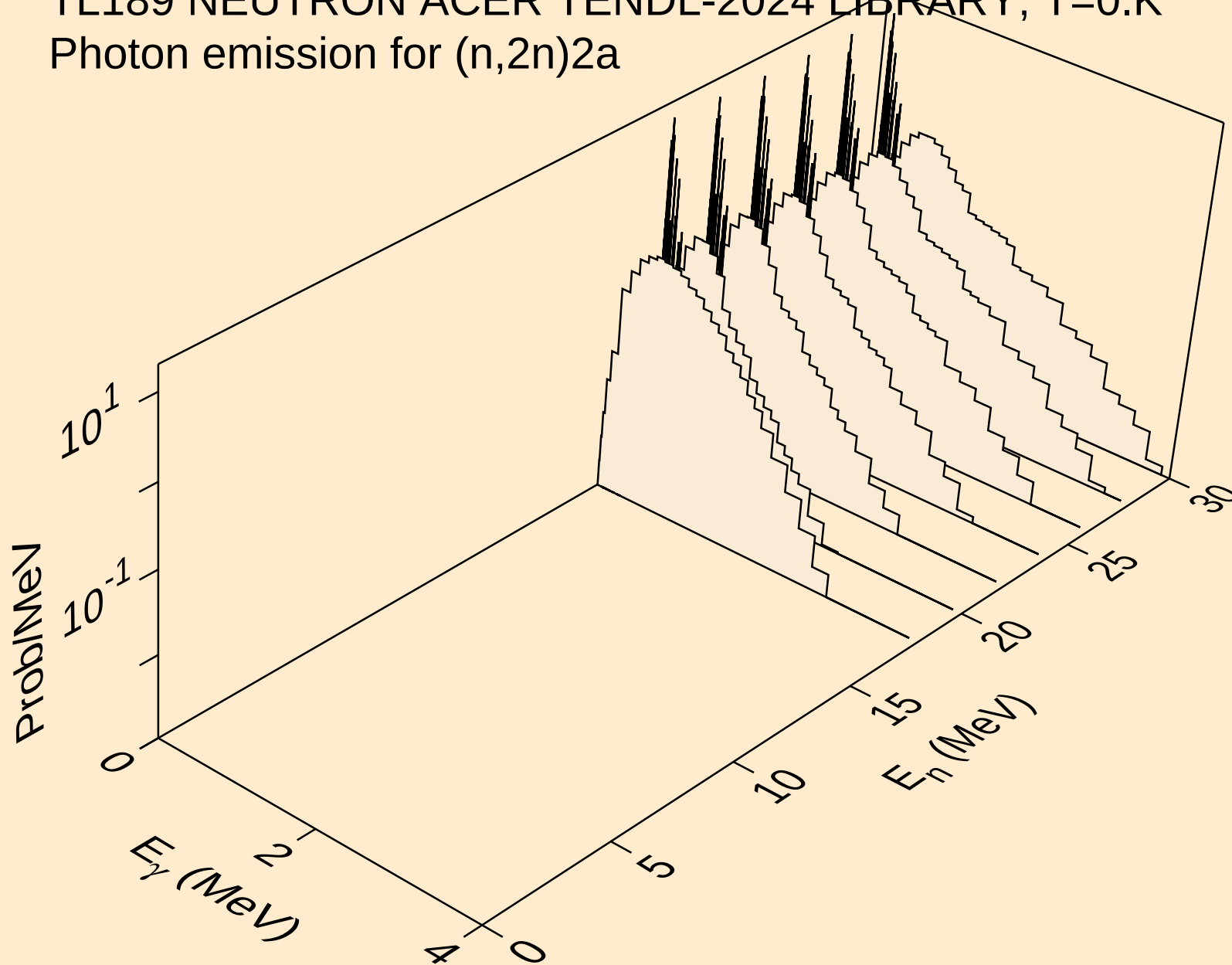
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)p



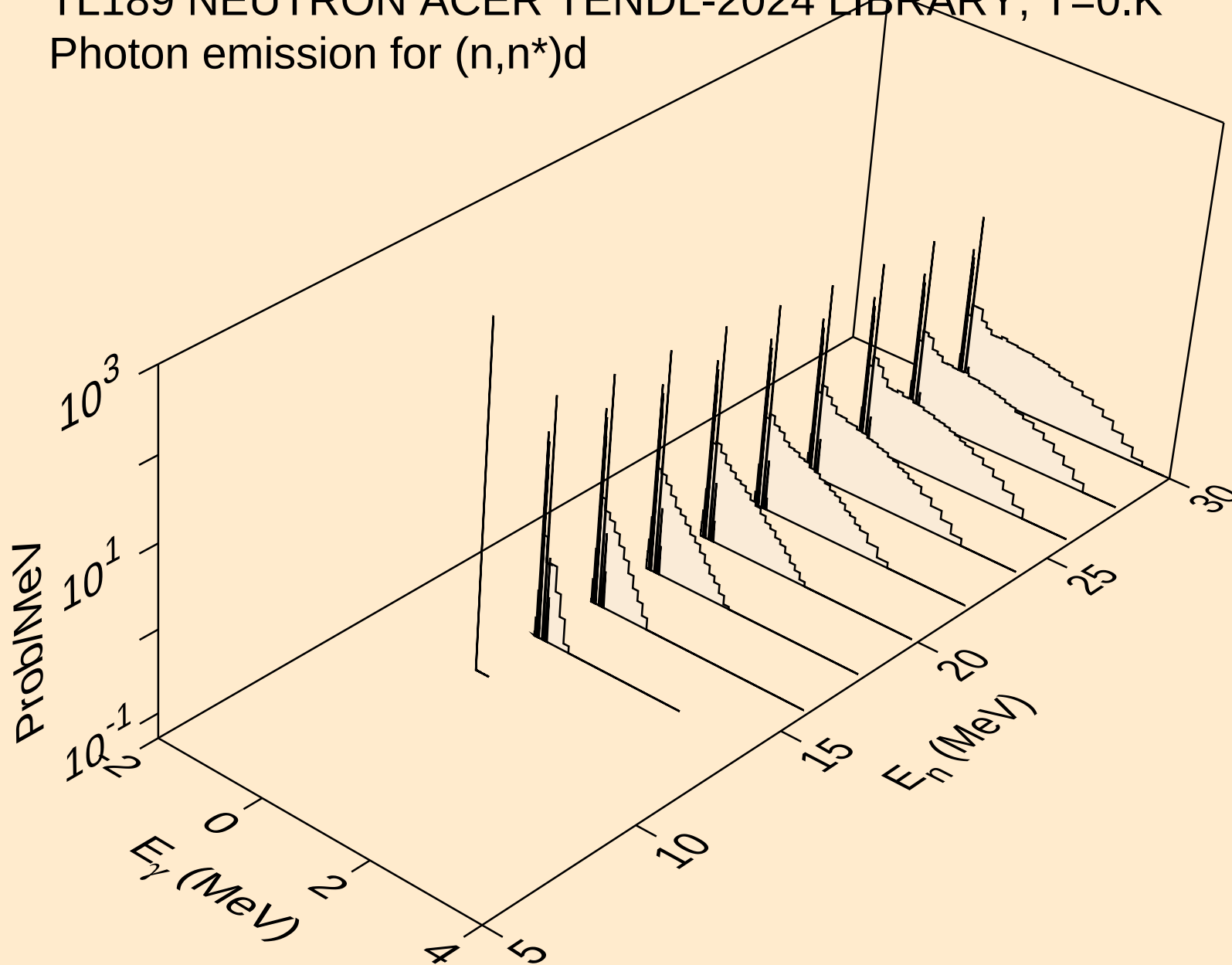
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)2a



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)2a

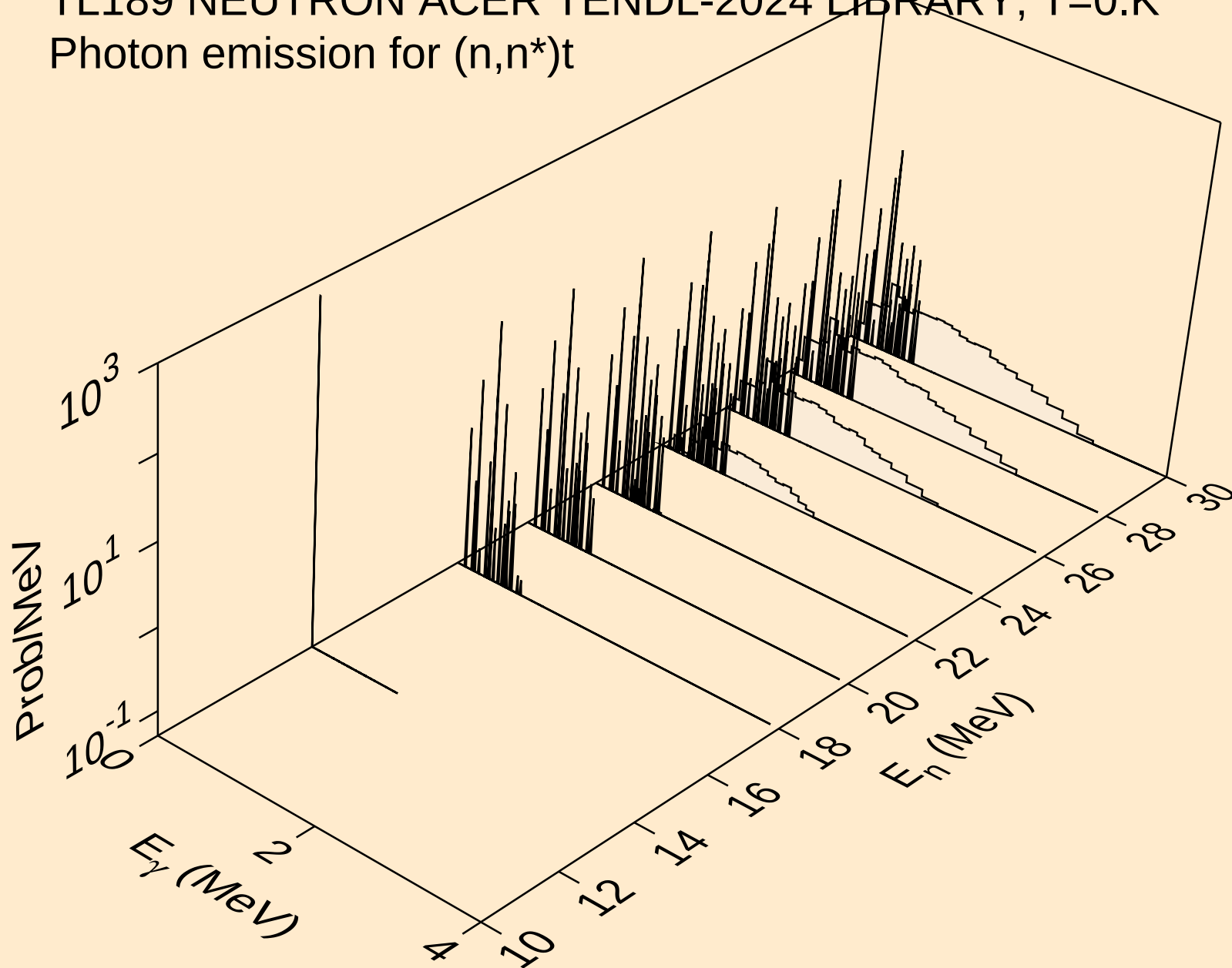


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d

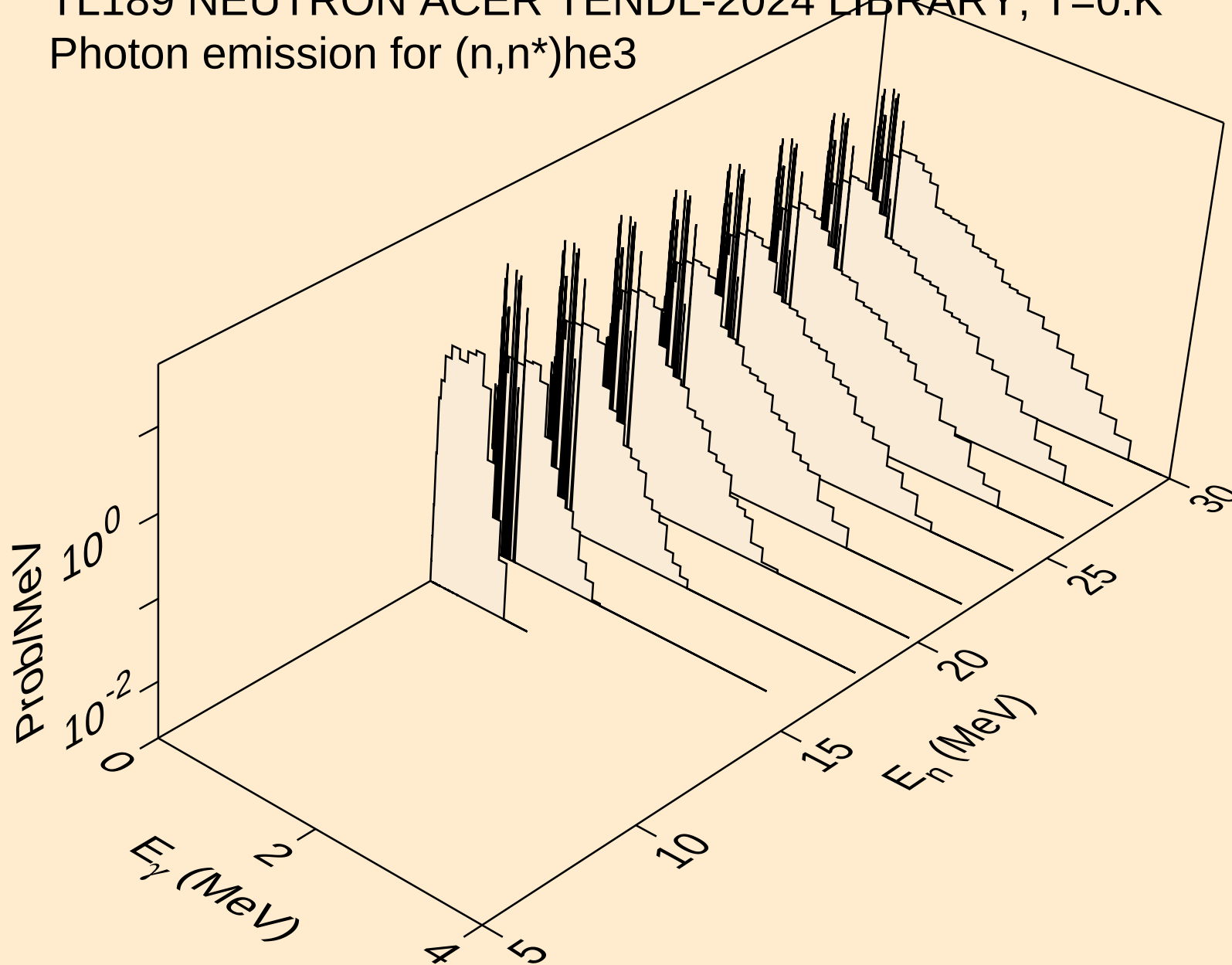


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

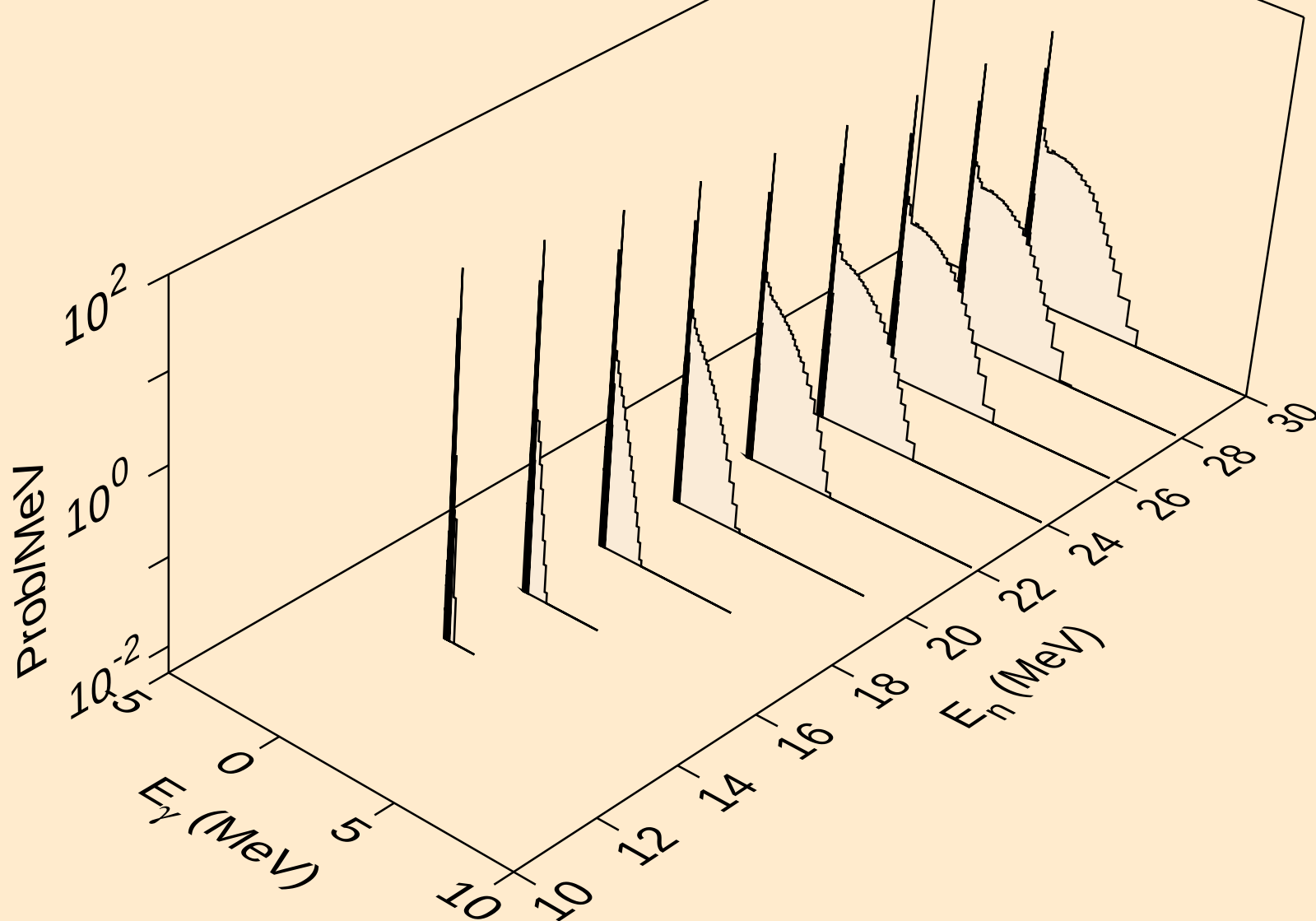
Photon emission for (n,n*)t



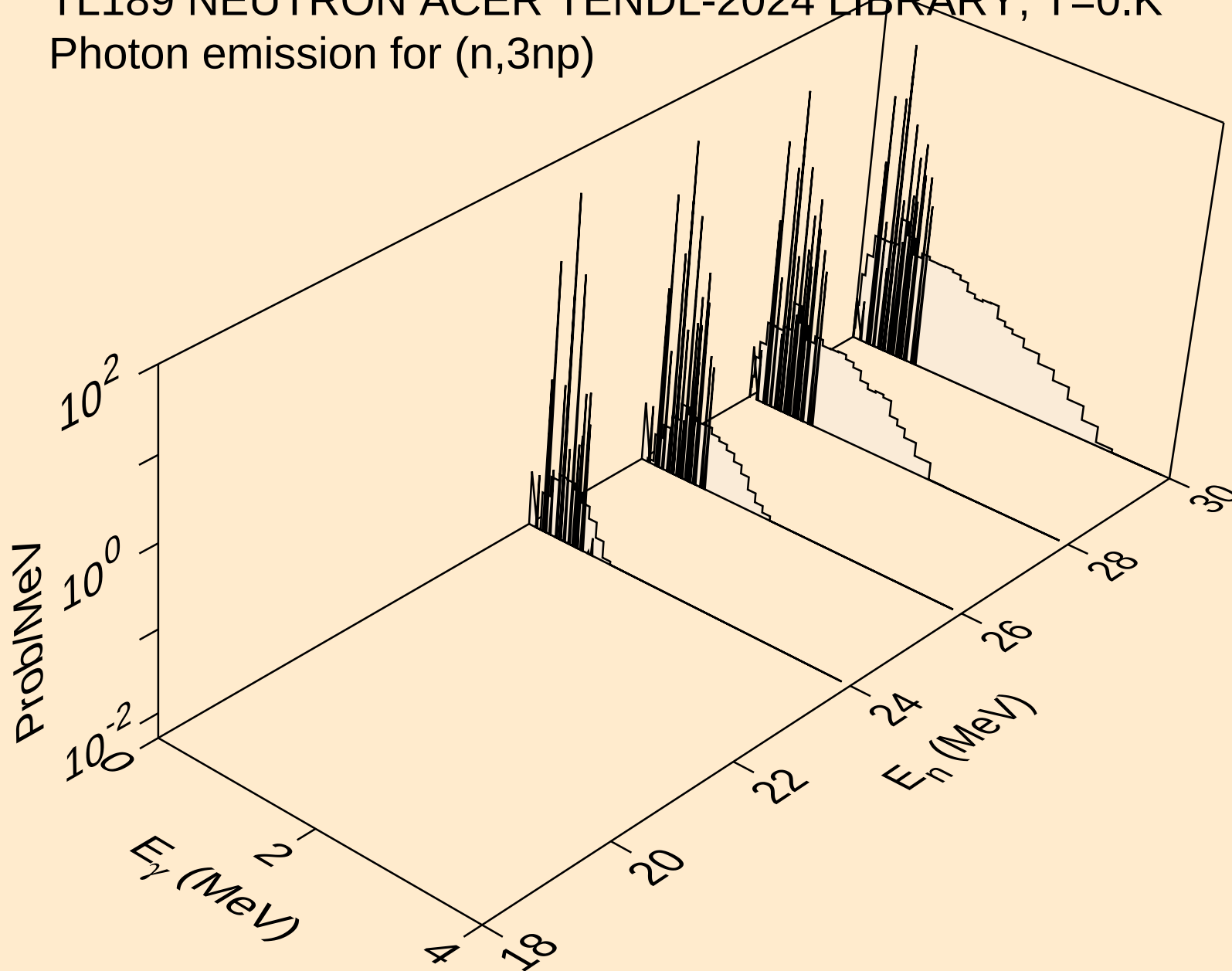
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3



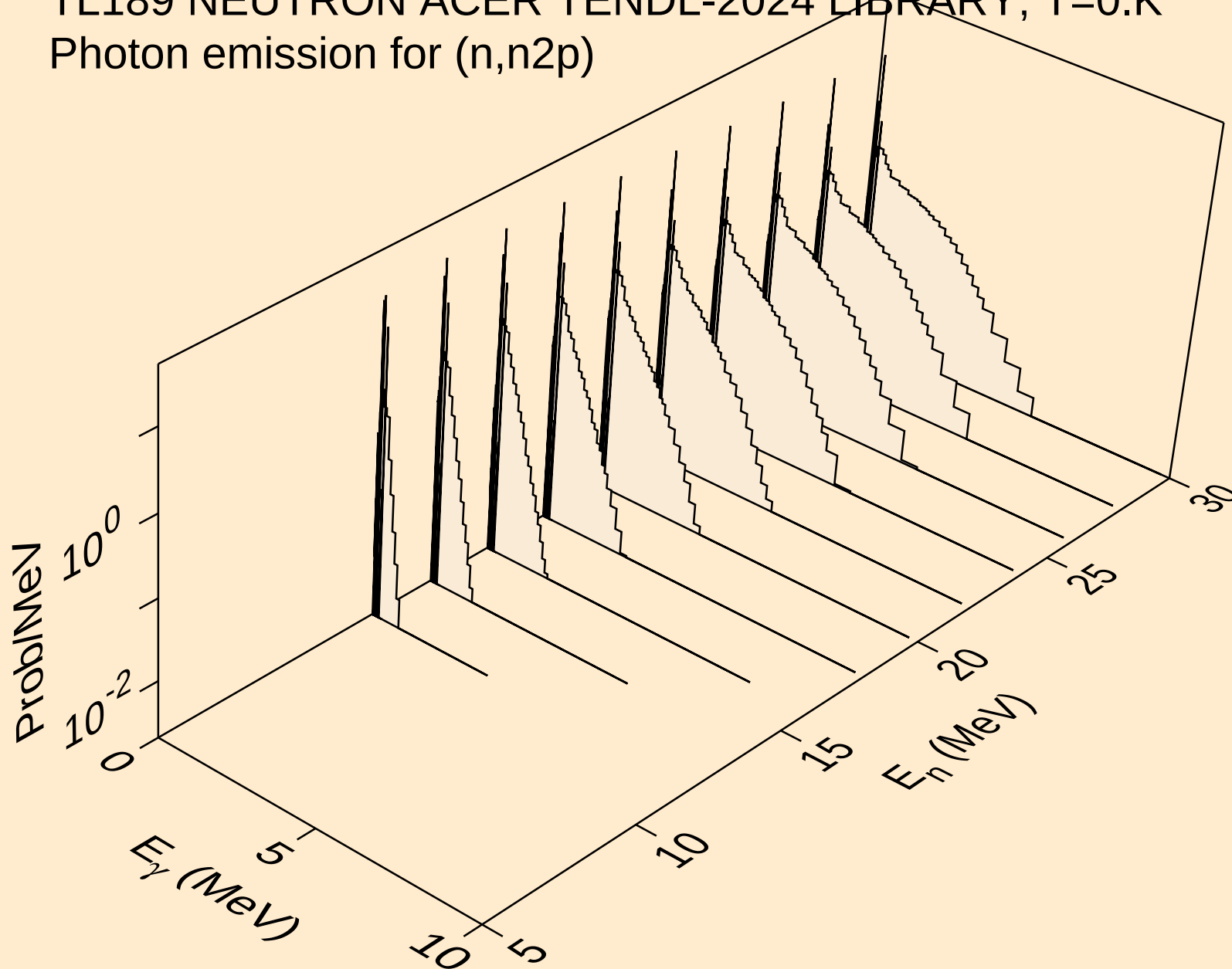
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)



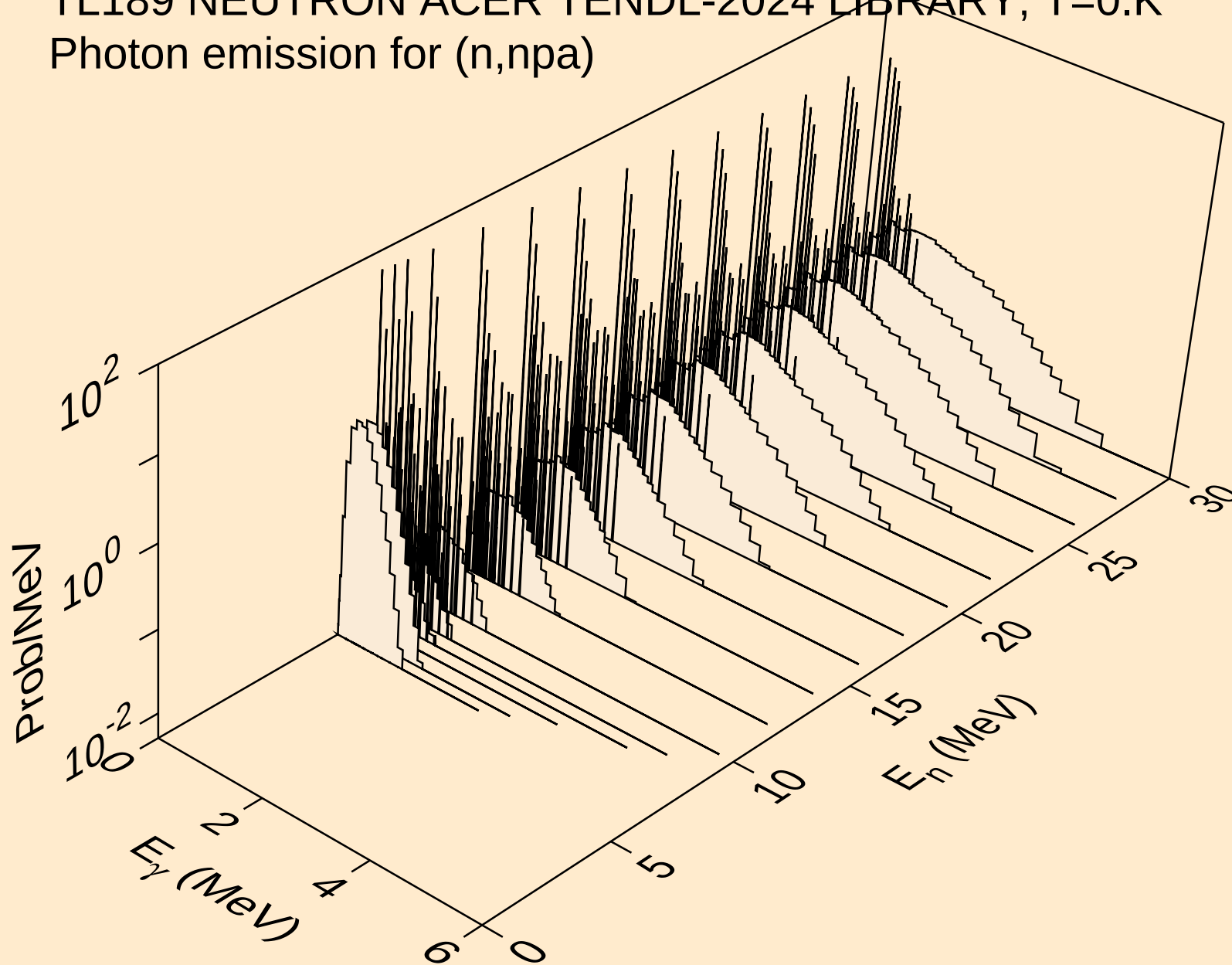
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)



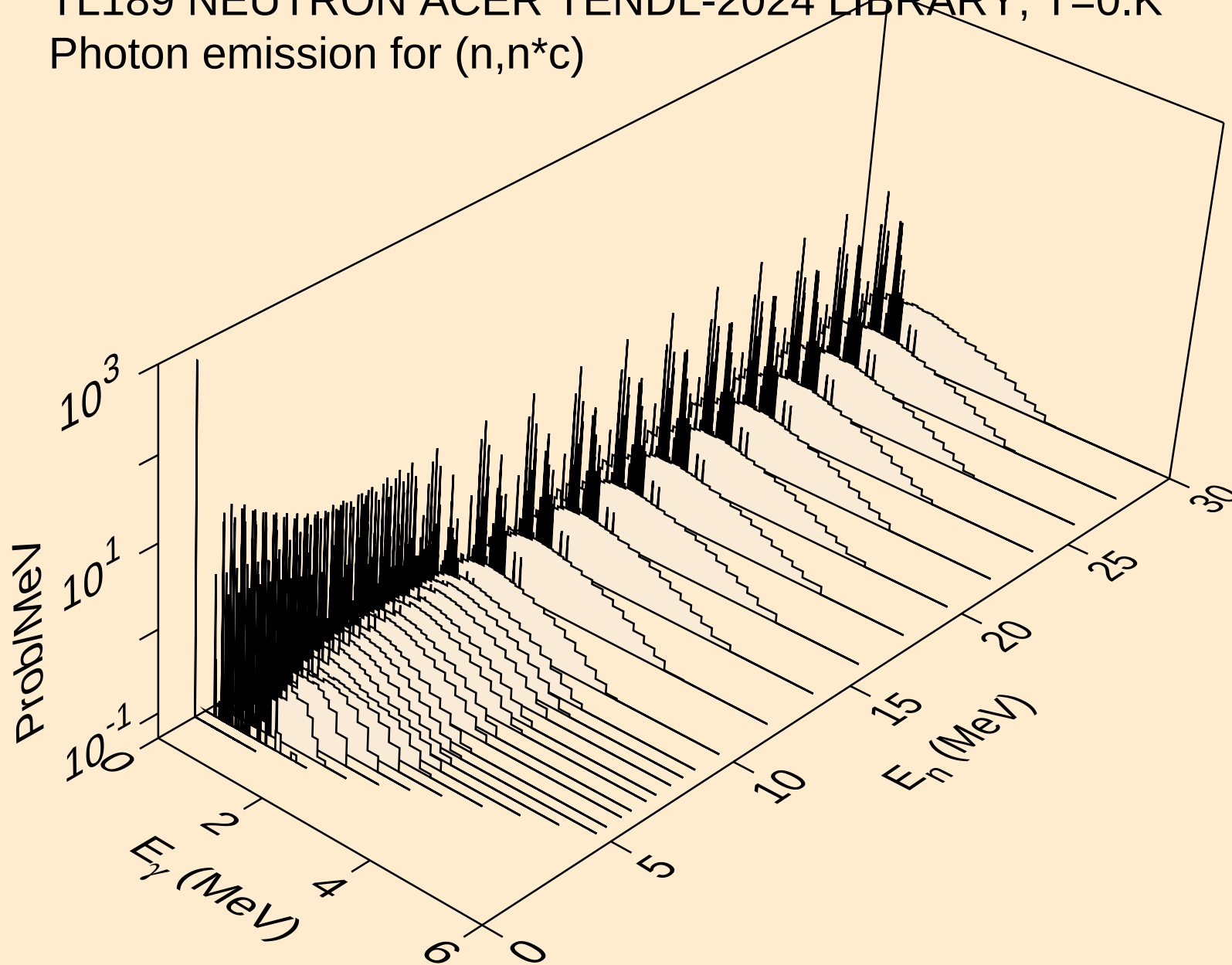
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



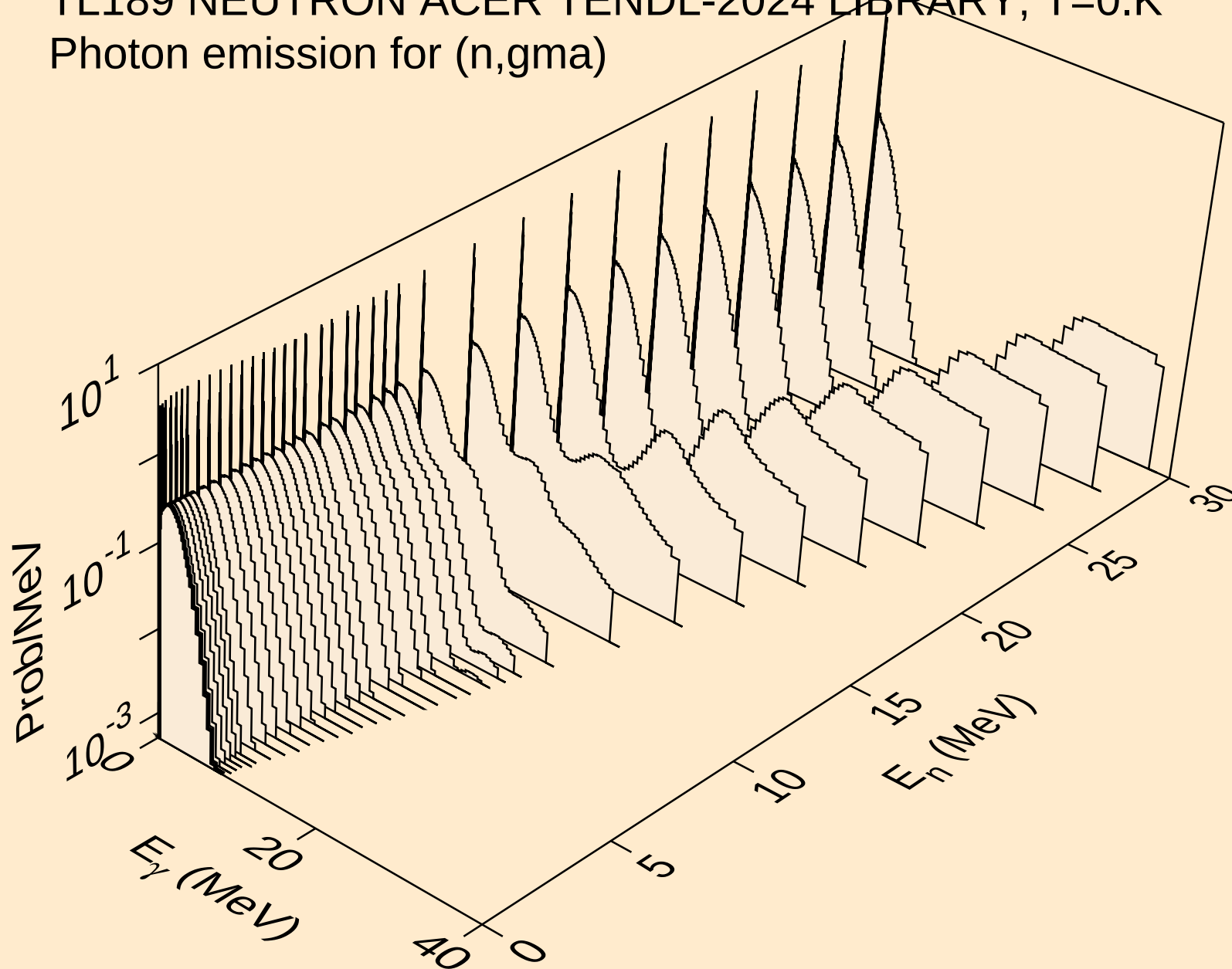
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)



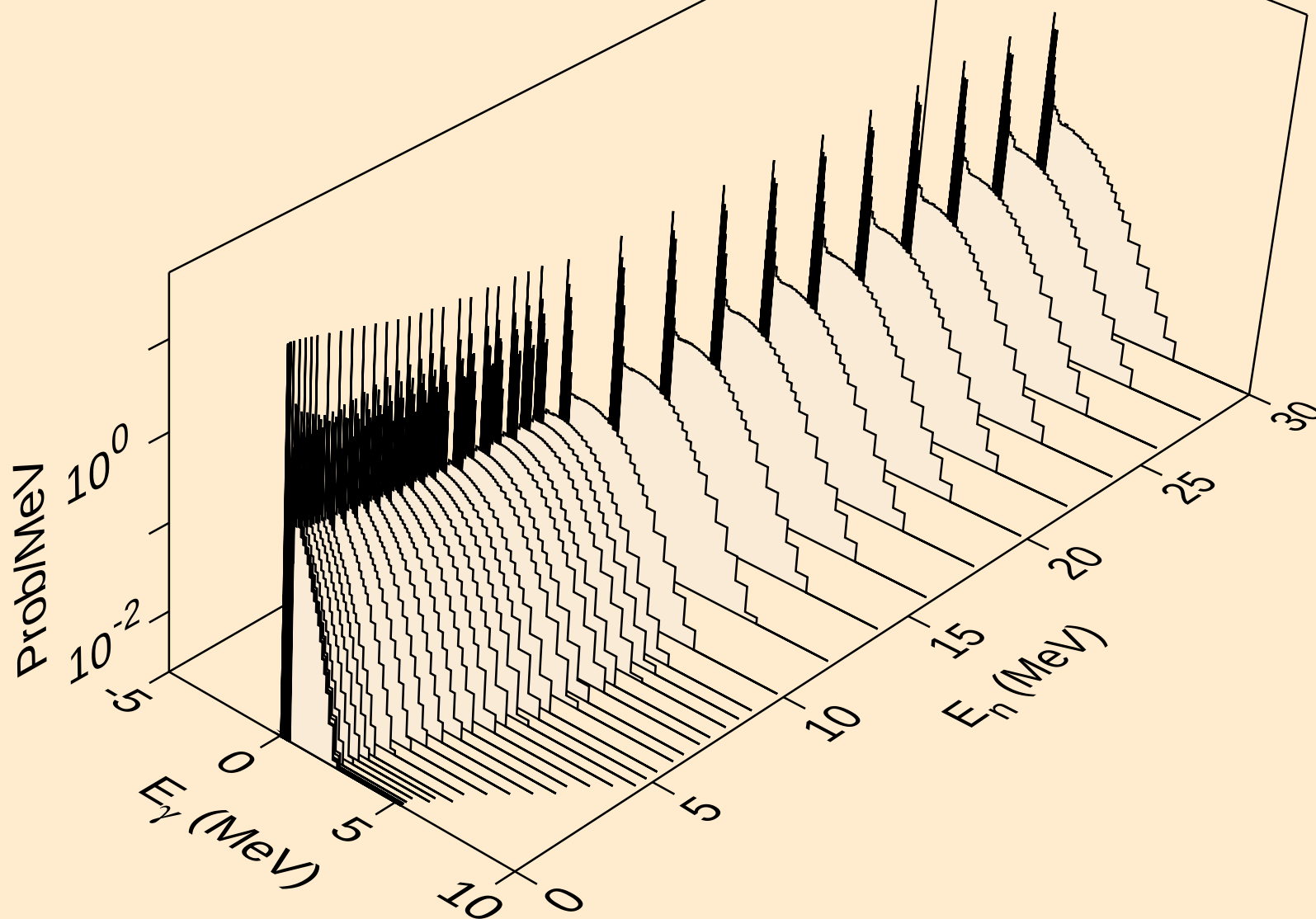
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*c)



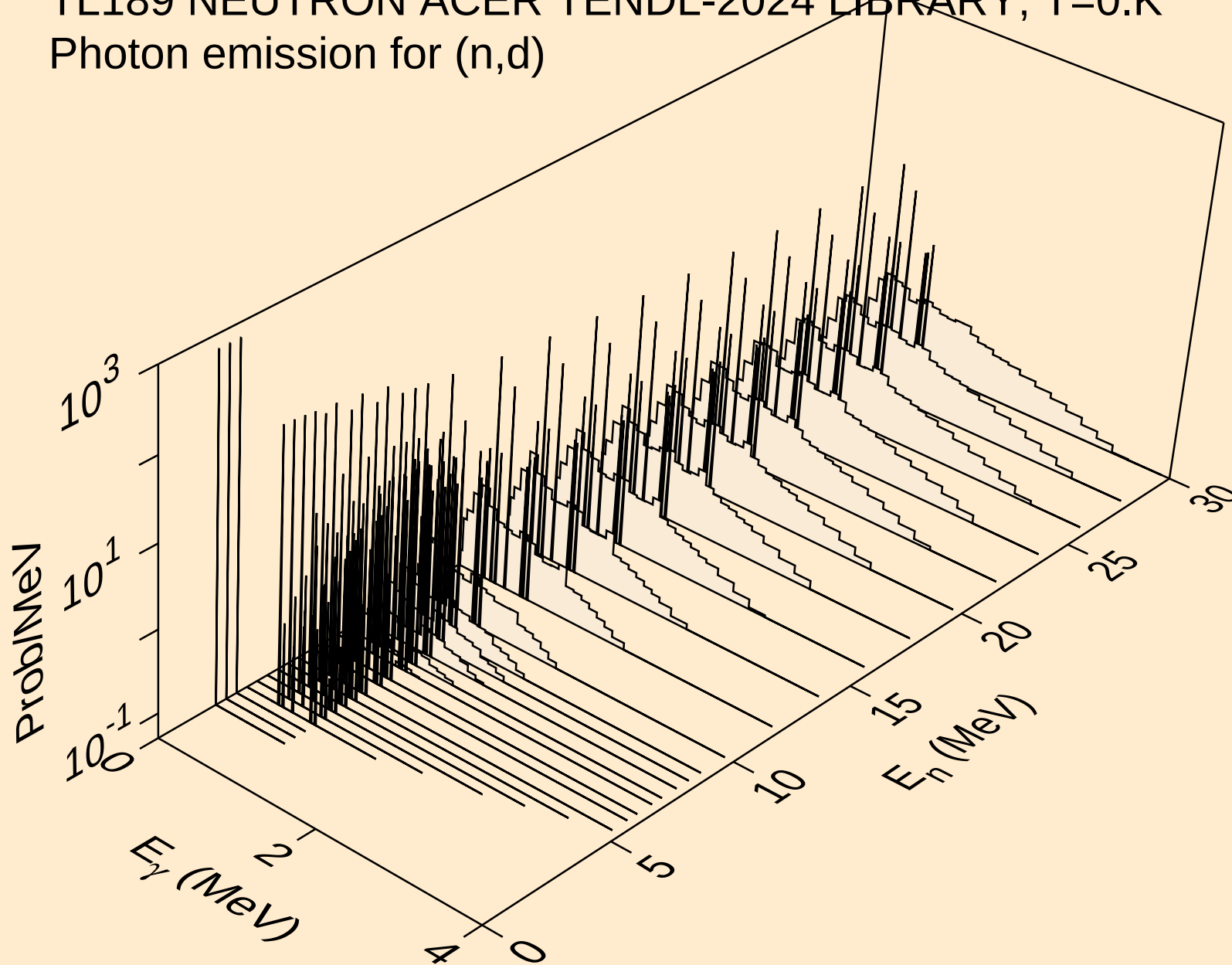
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)



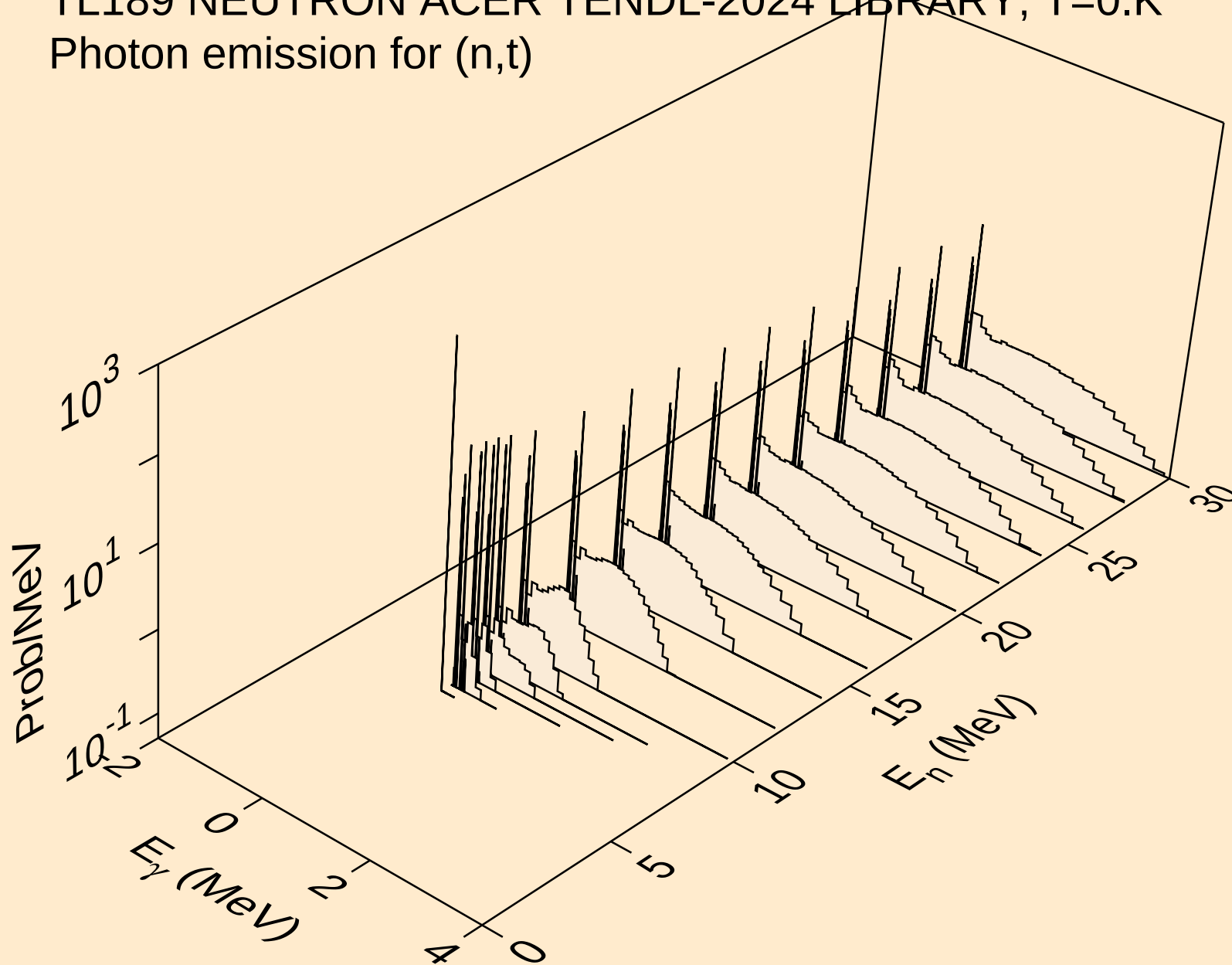
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



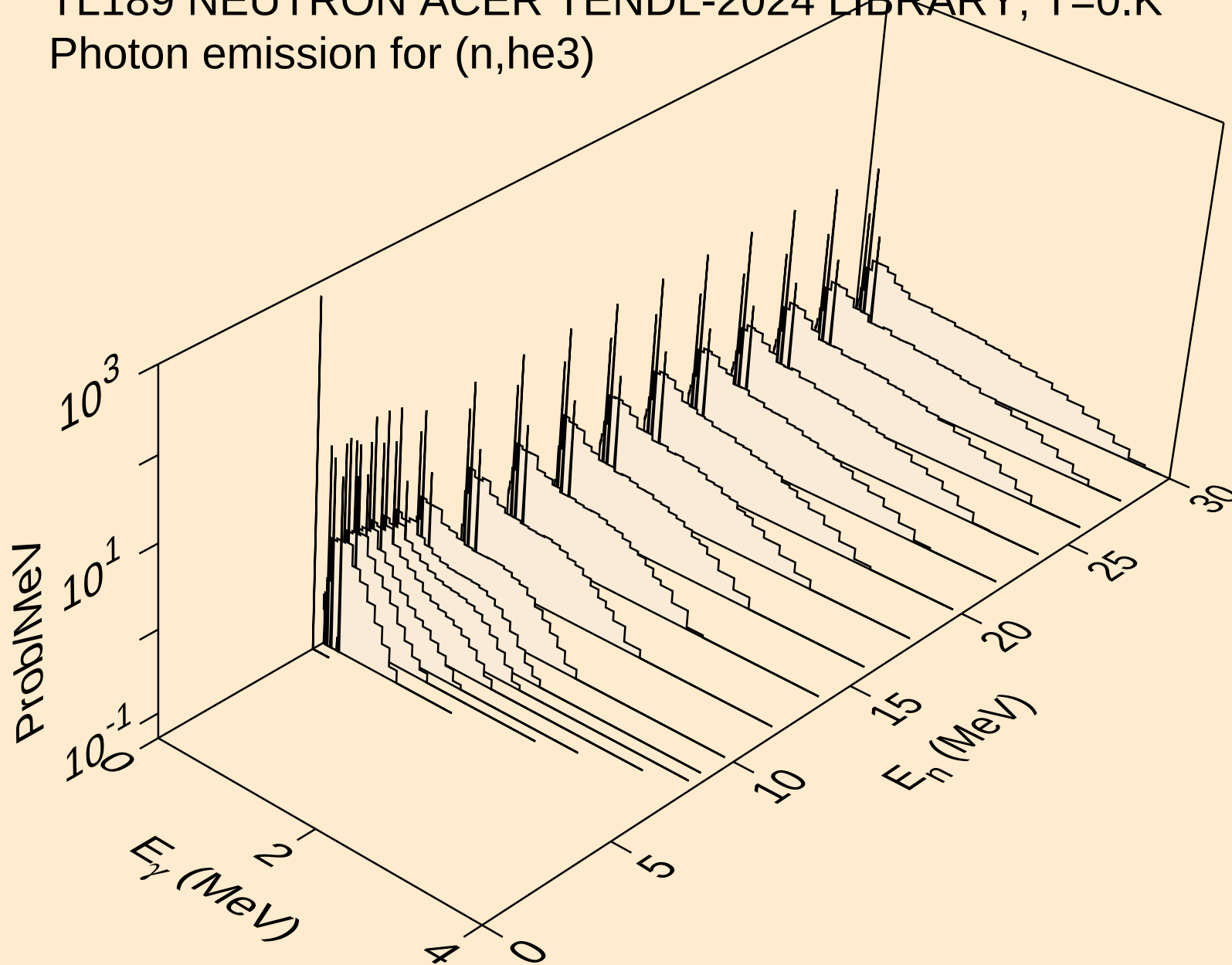
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d)



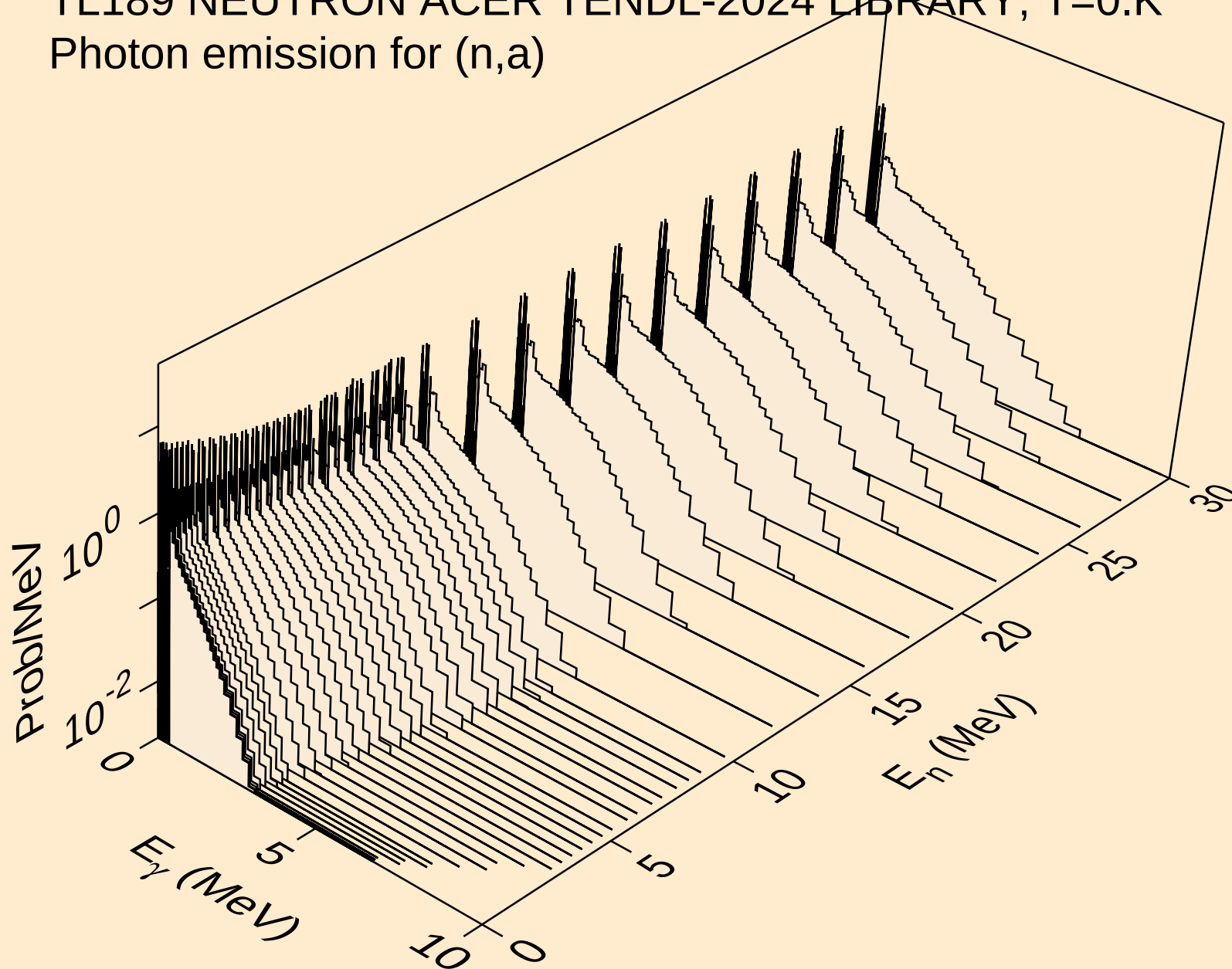
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t)



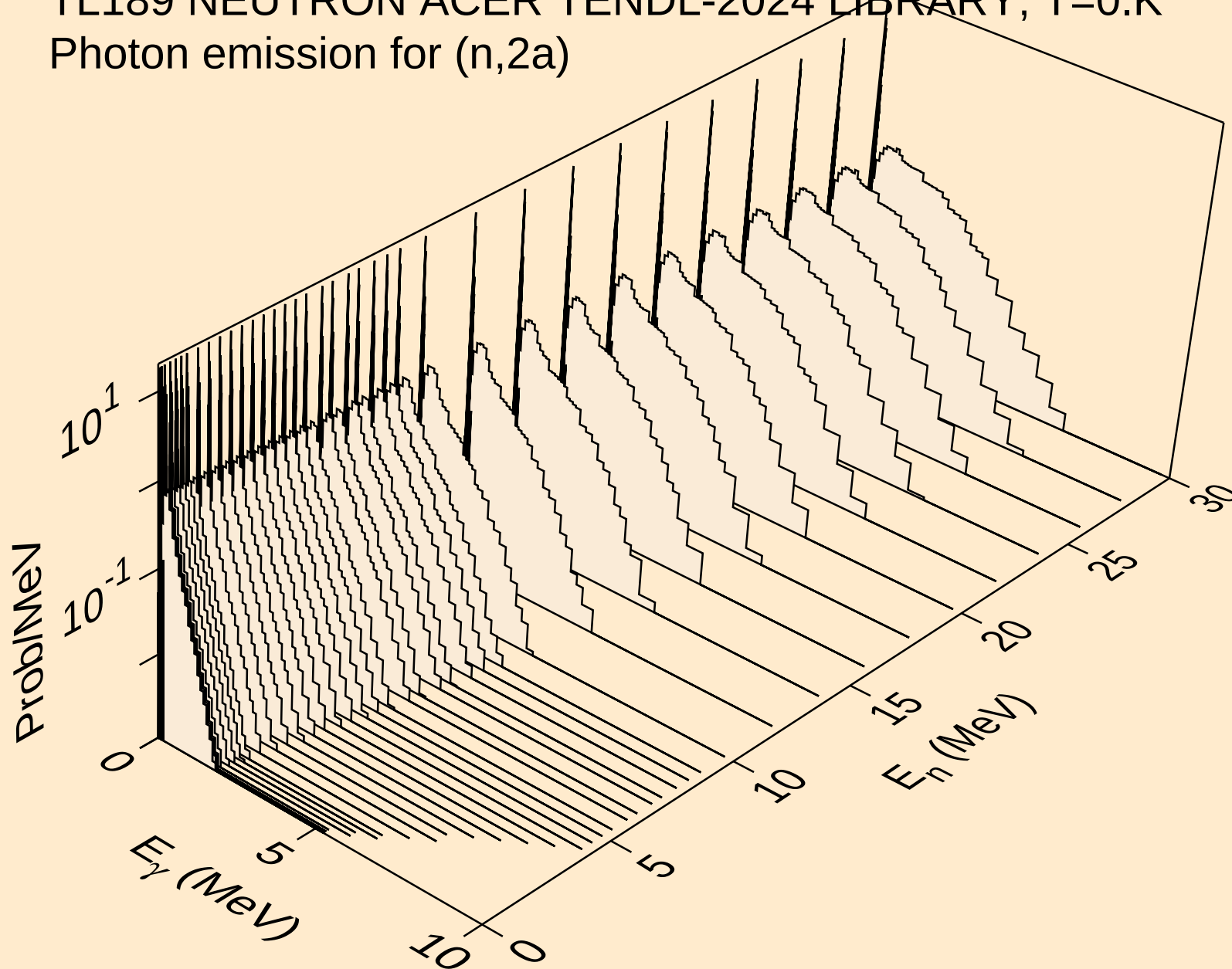
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)



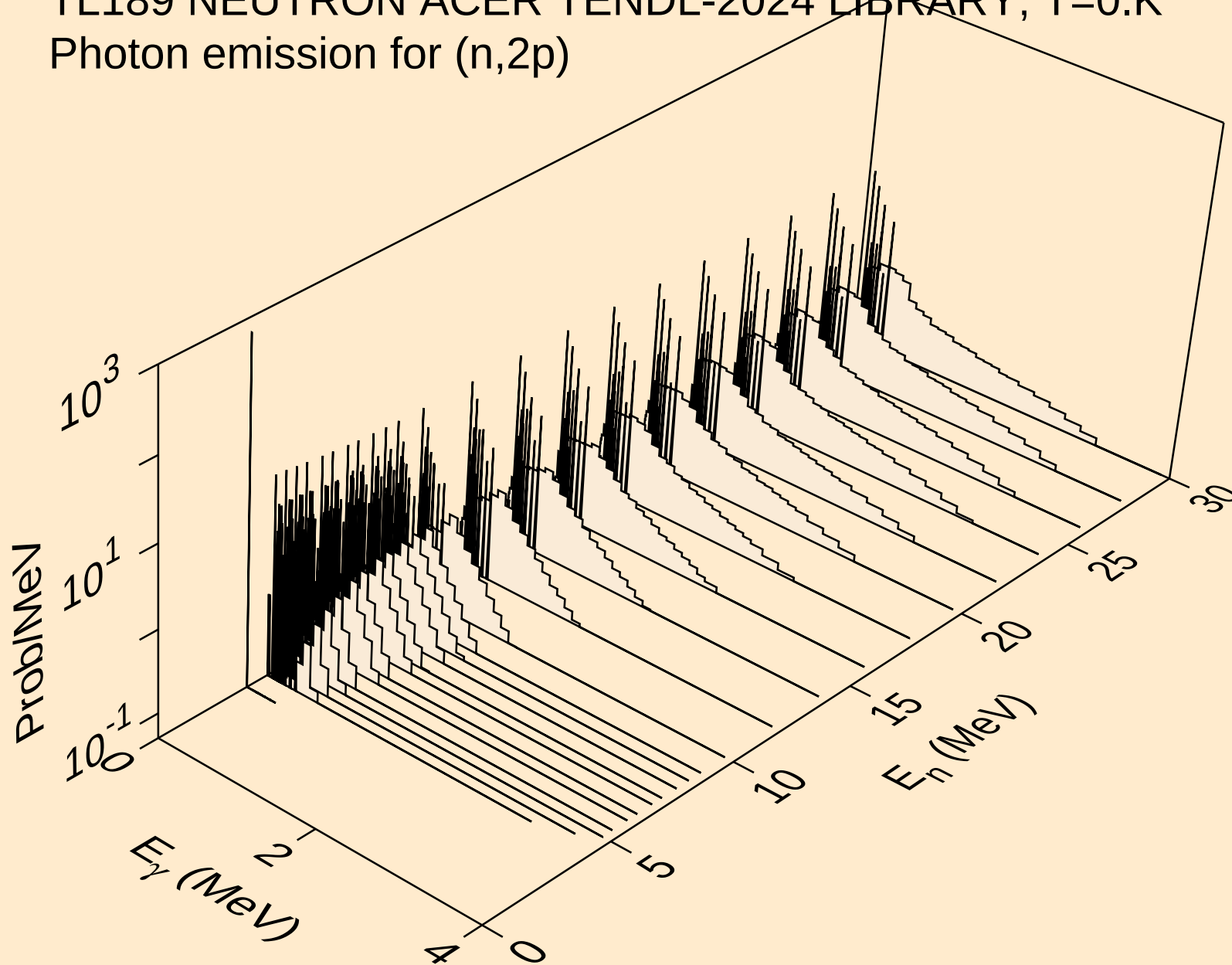
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,a)



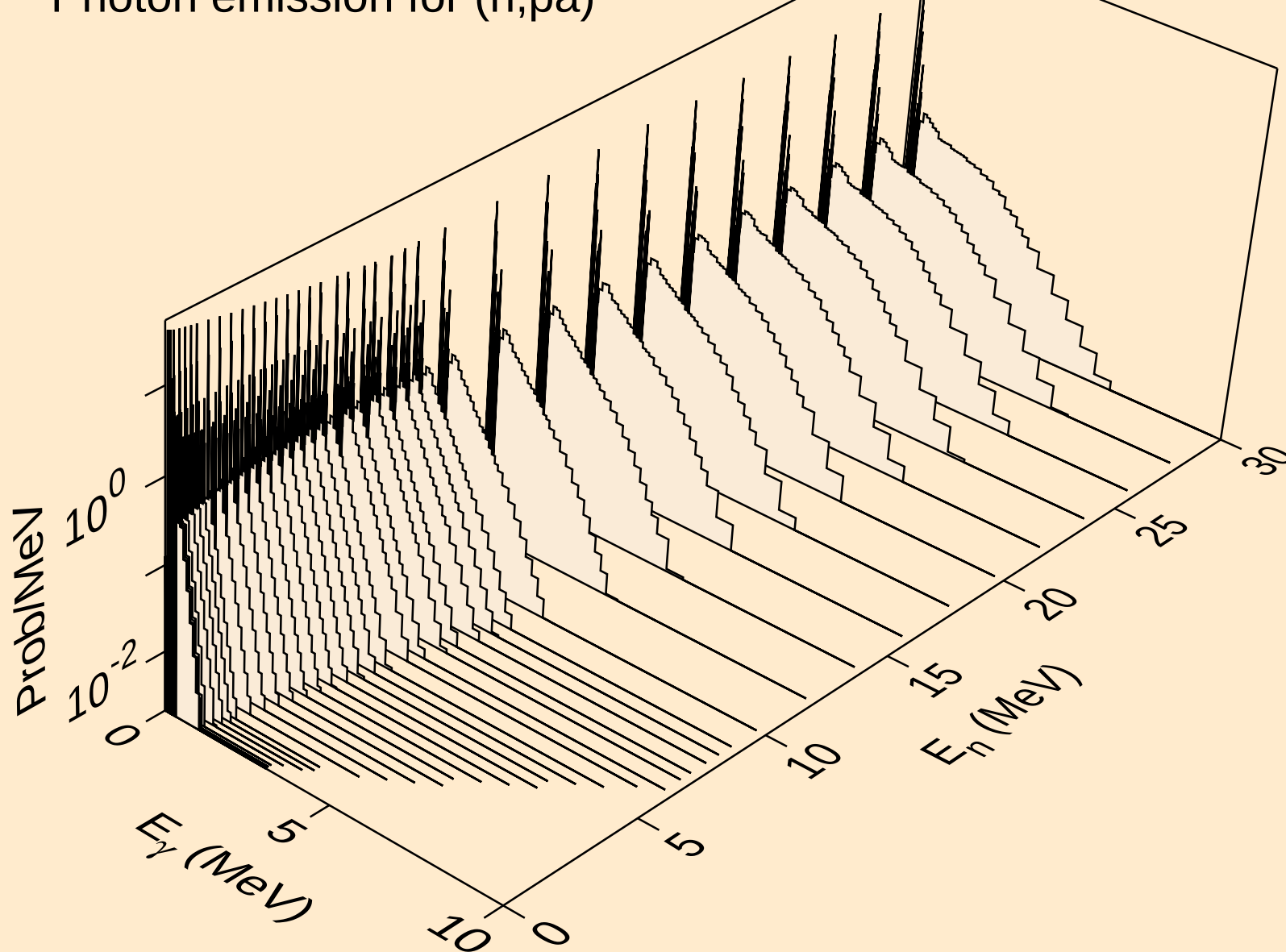
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



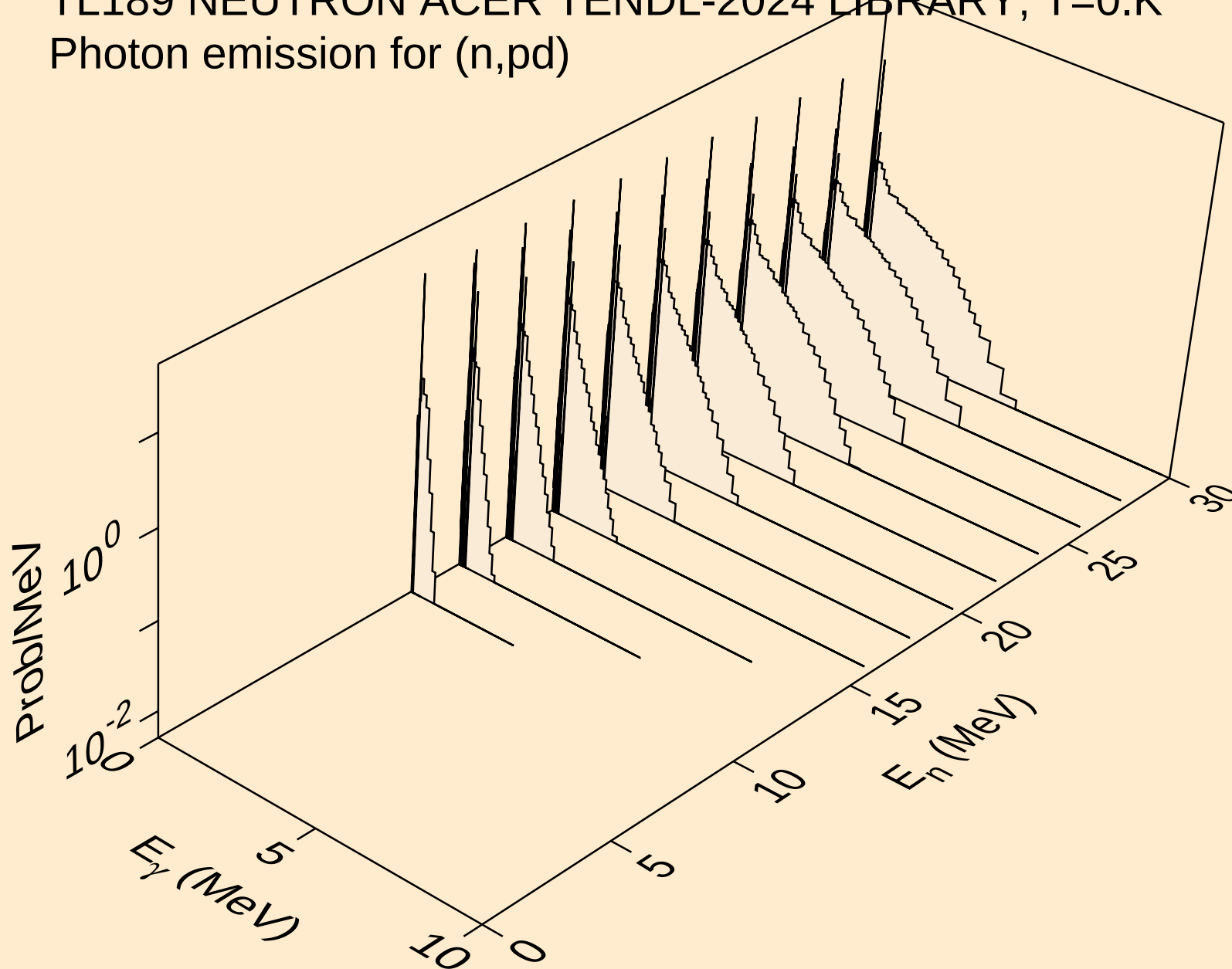
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)



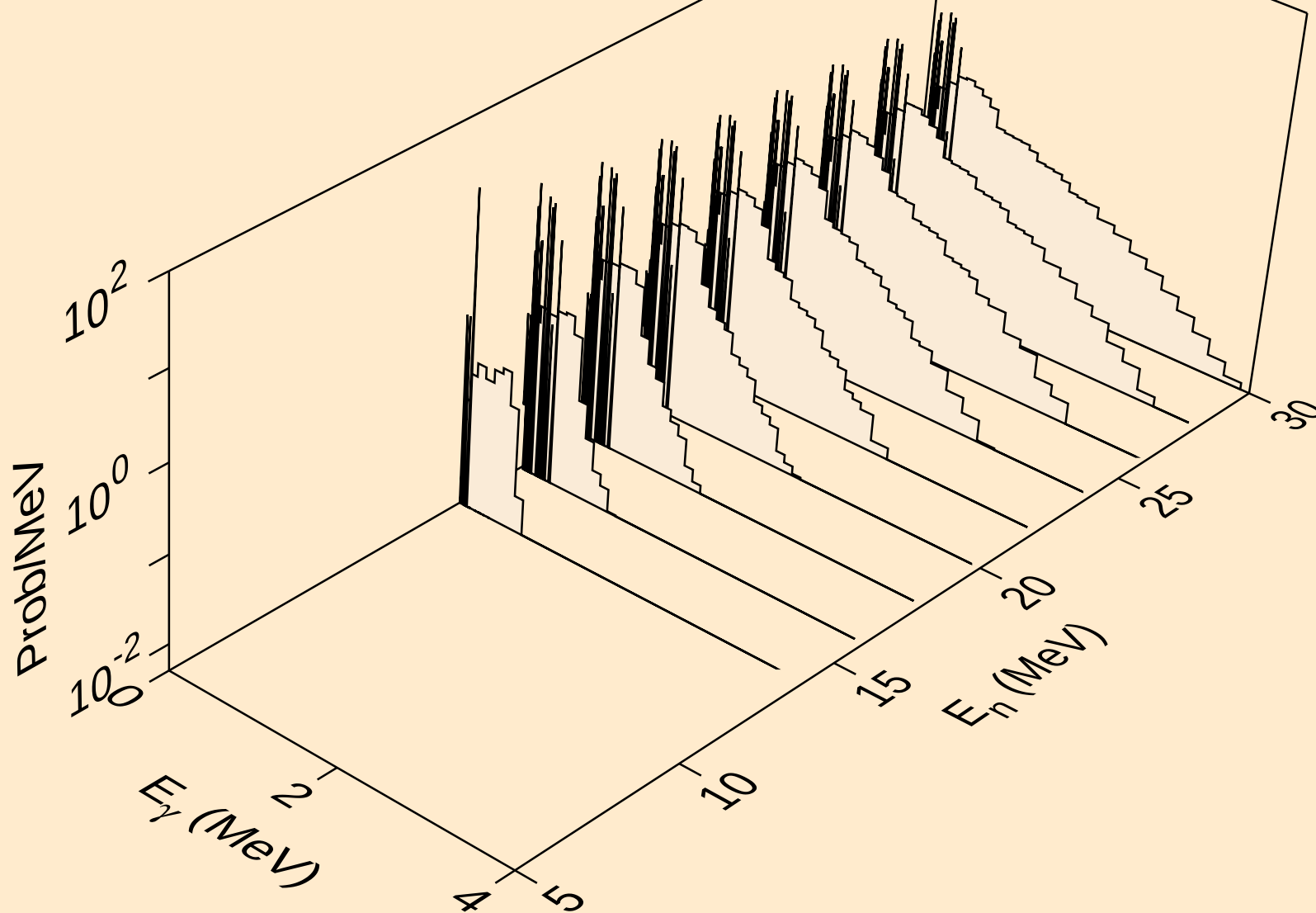
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p α)



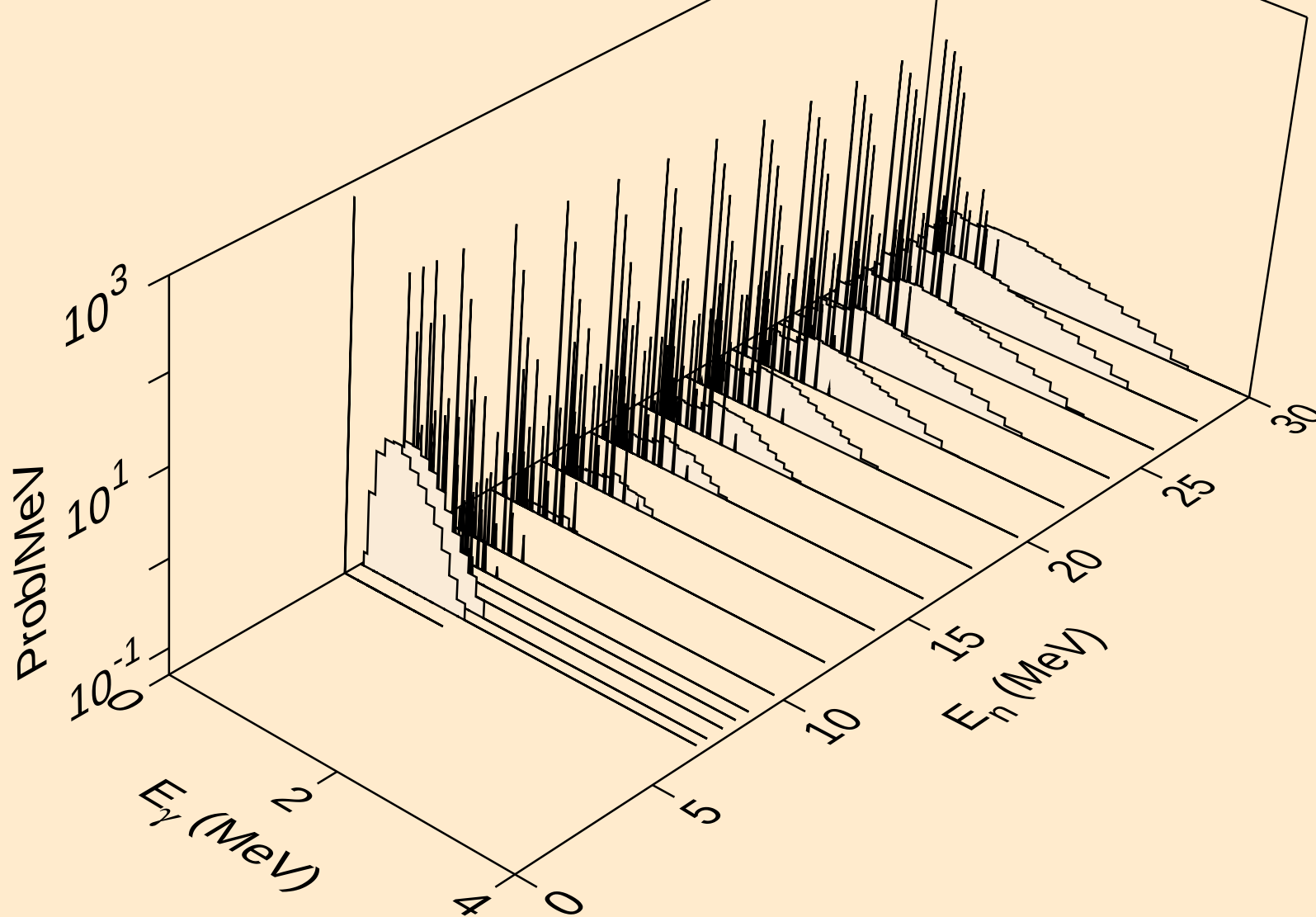
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pd)



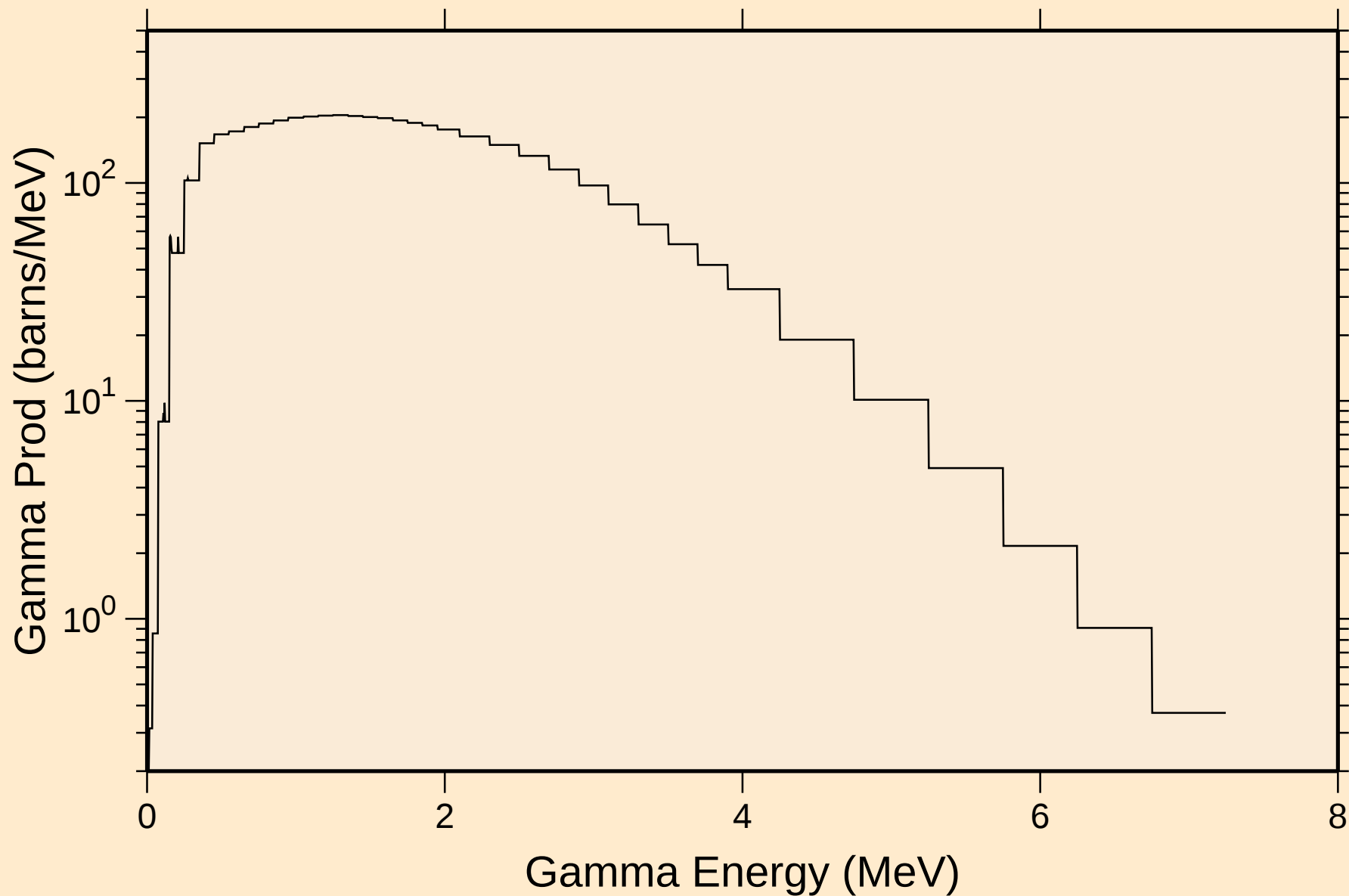
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pt)



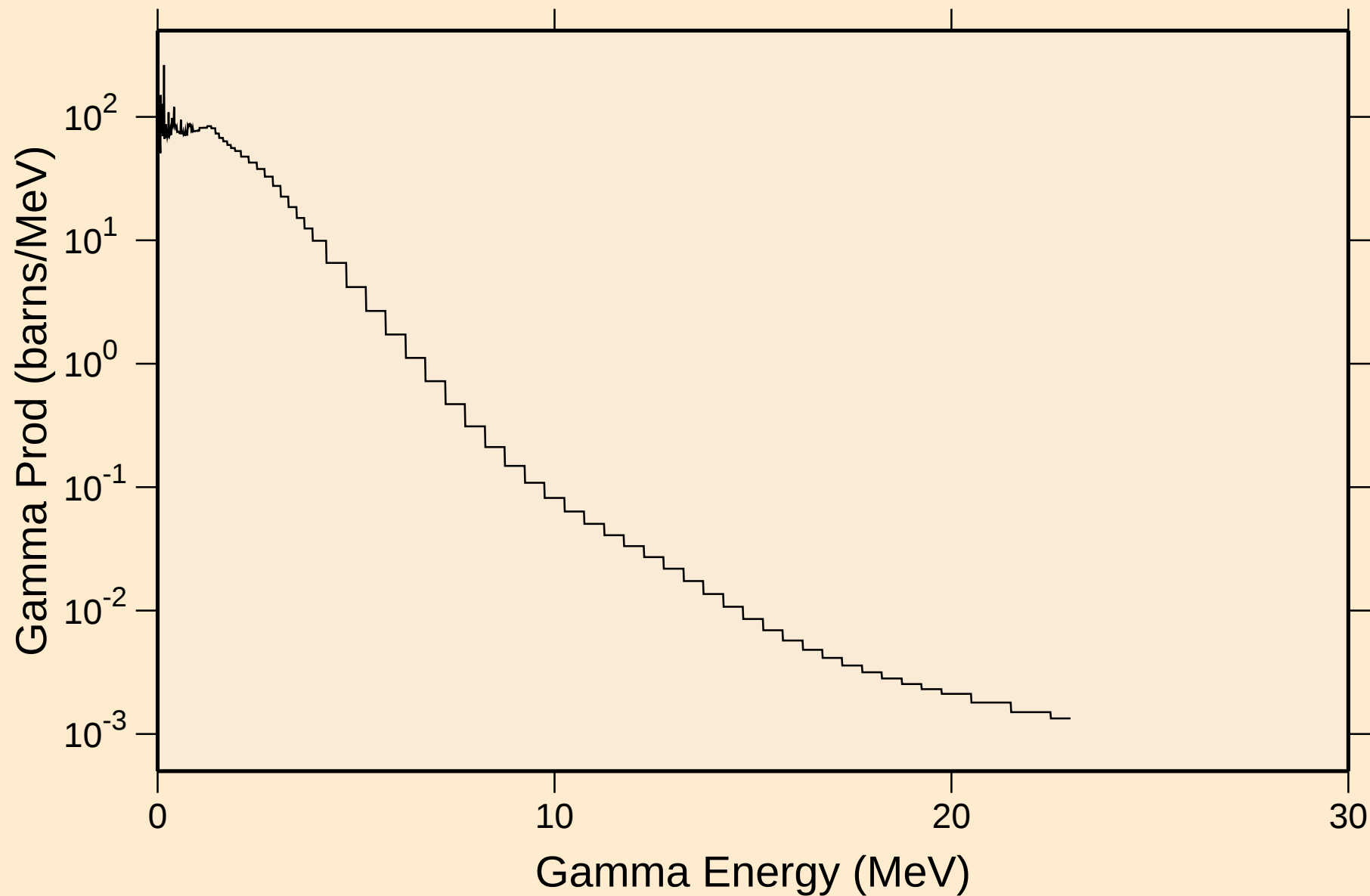
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
thermal capture photon spectrum

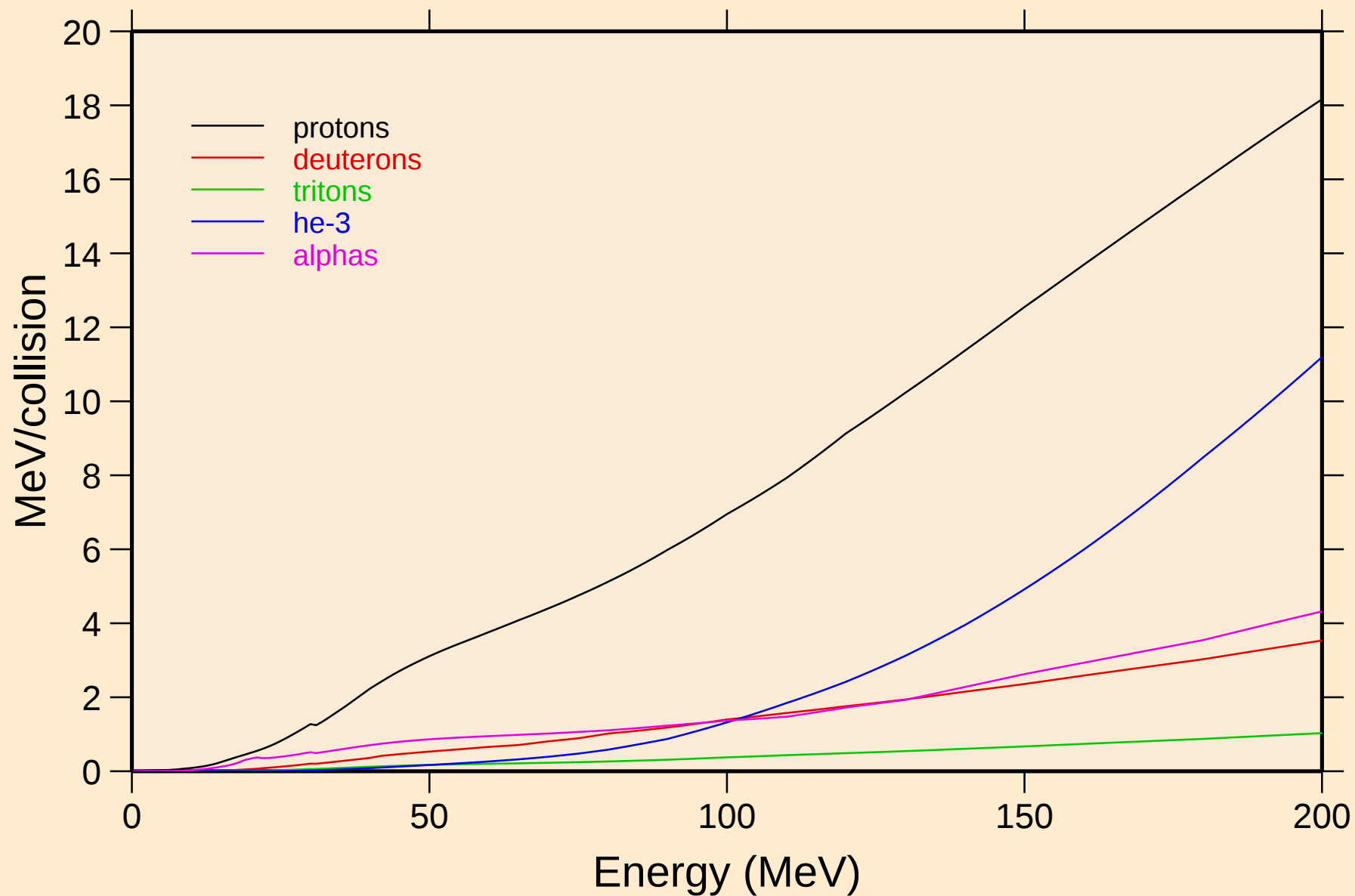


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
14 MeV photon spectrum

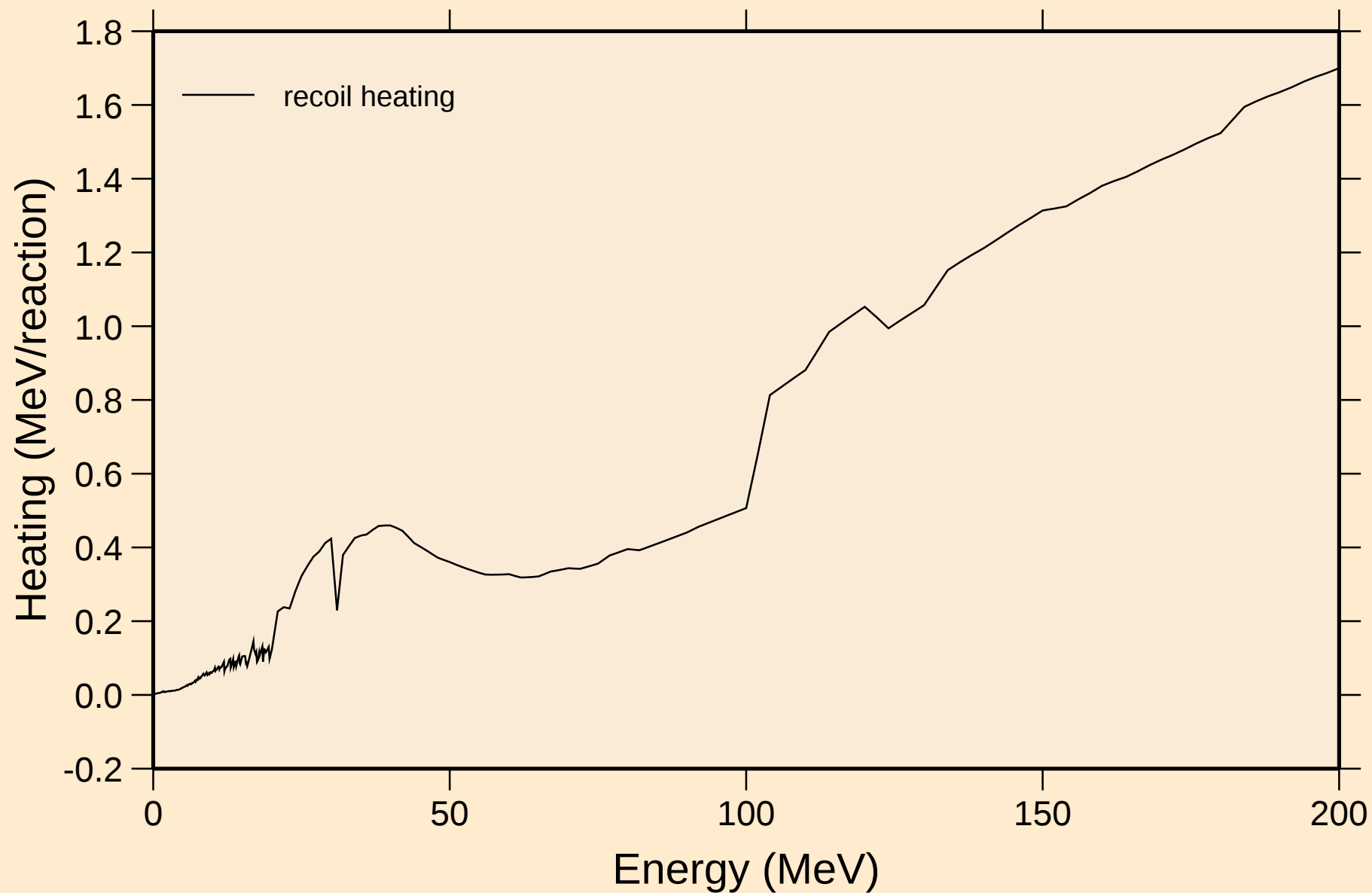


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions

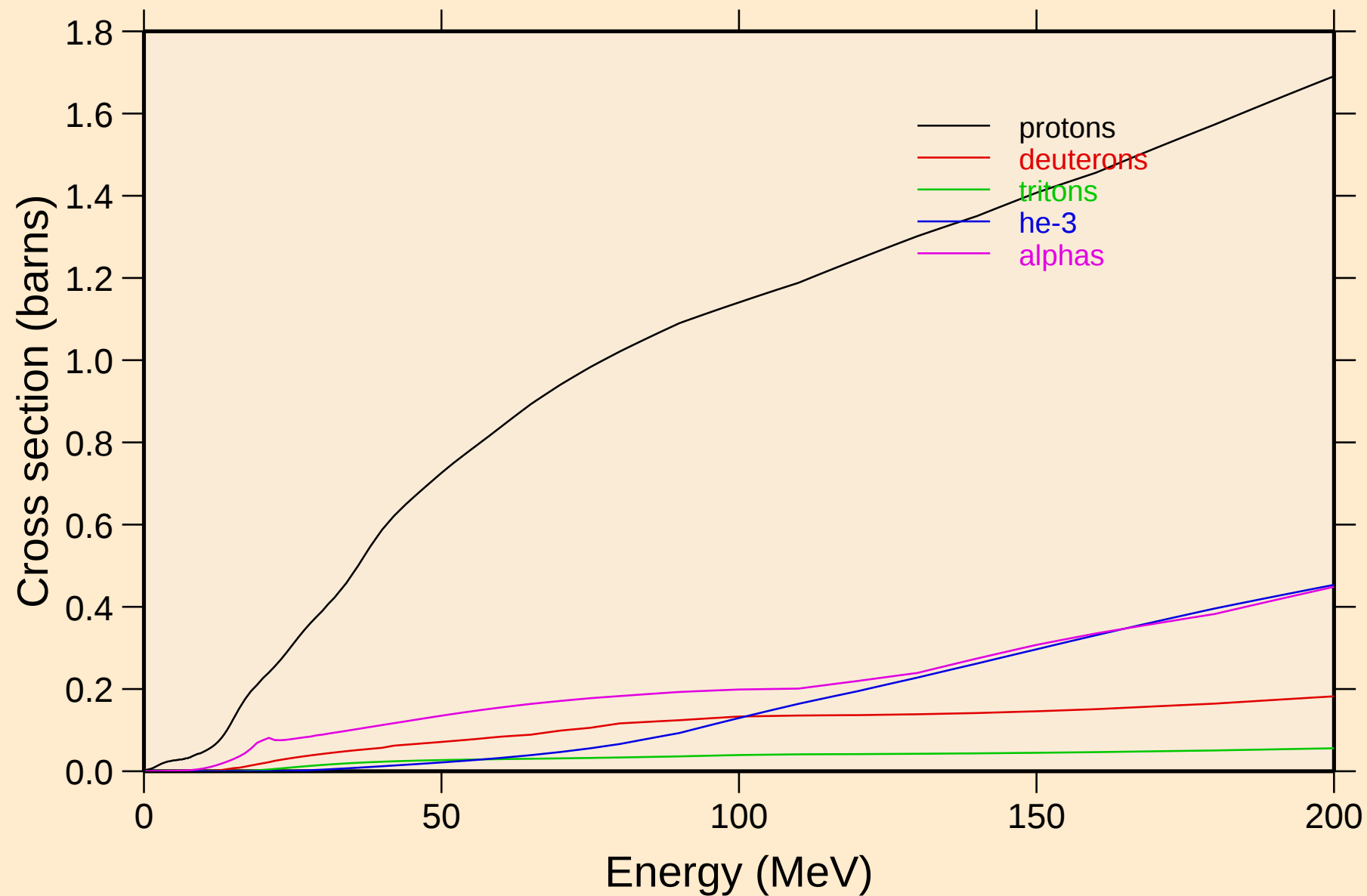


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Recoil Heating

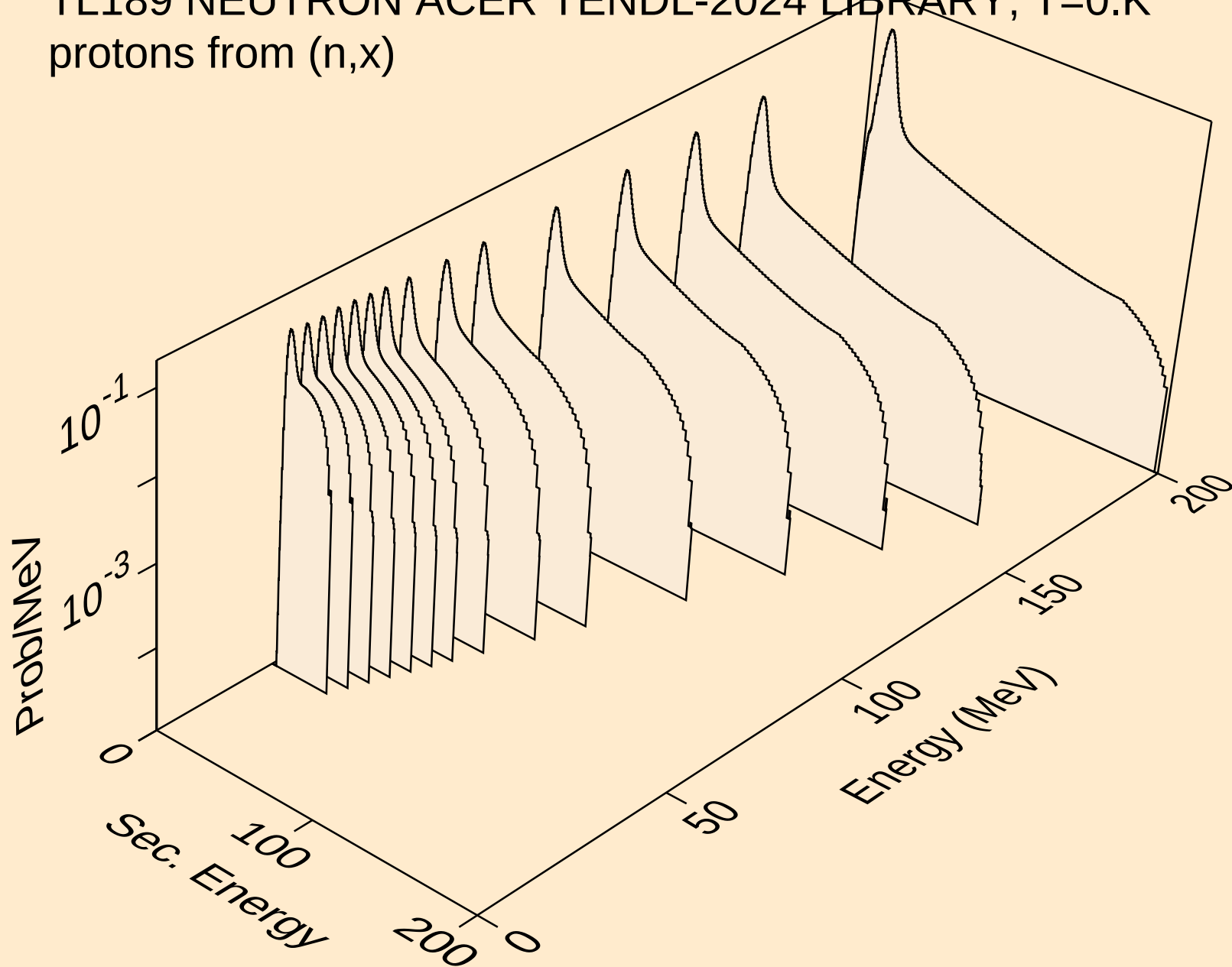


TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

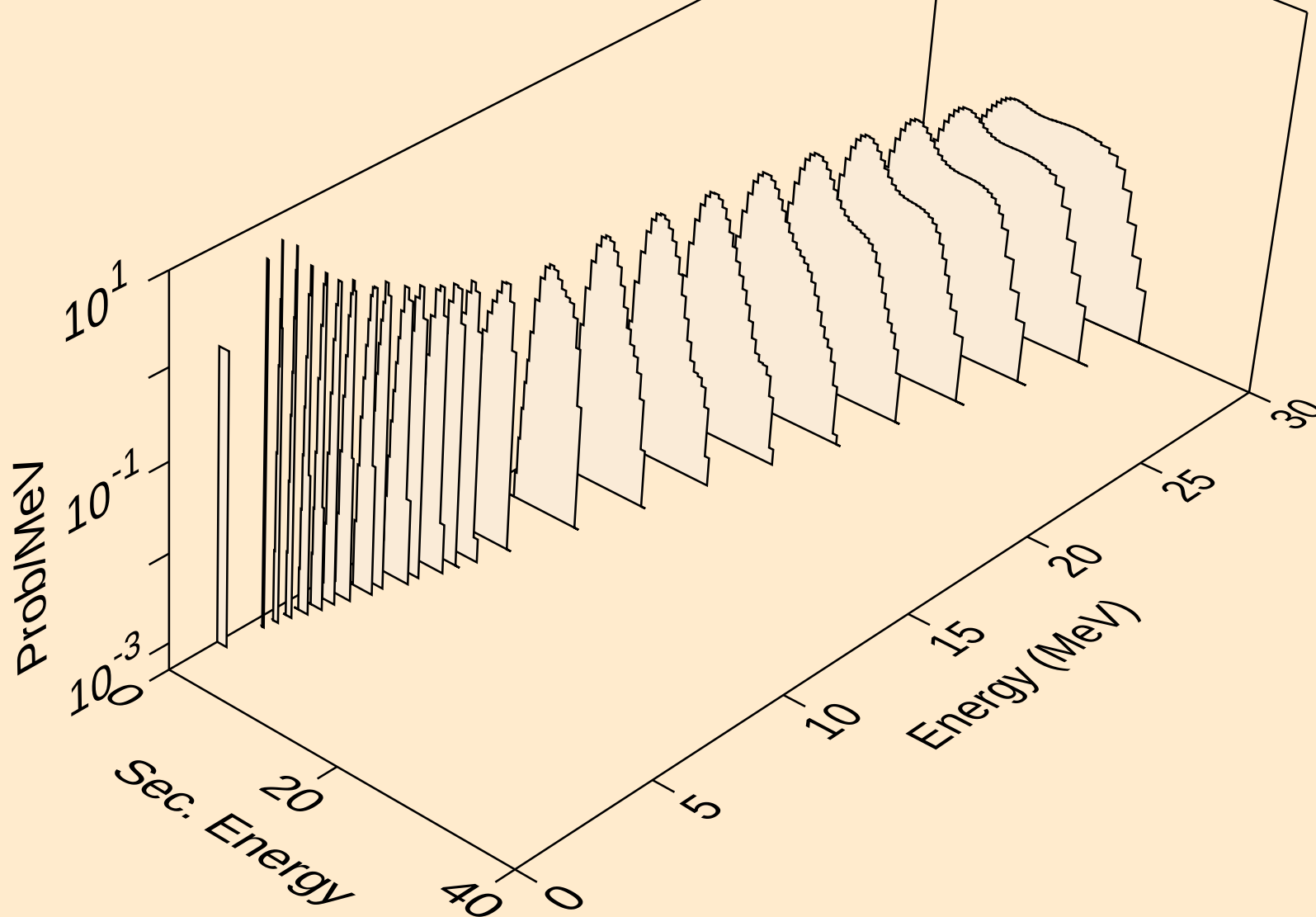
Particle production cross sections



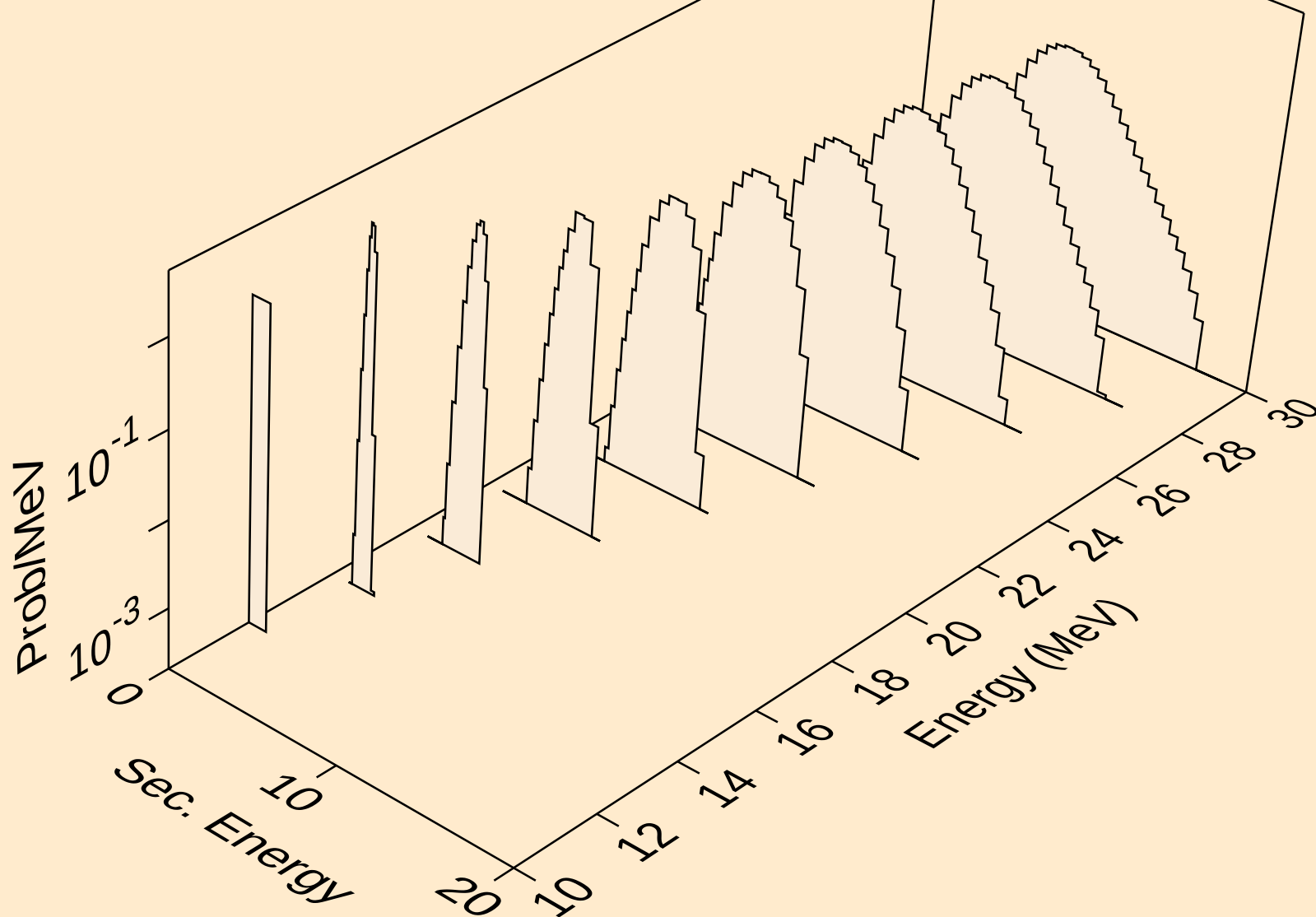
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,x)



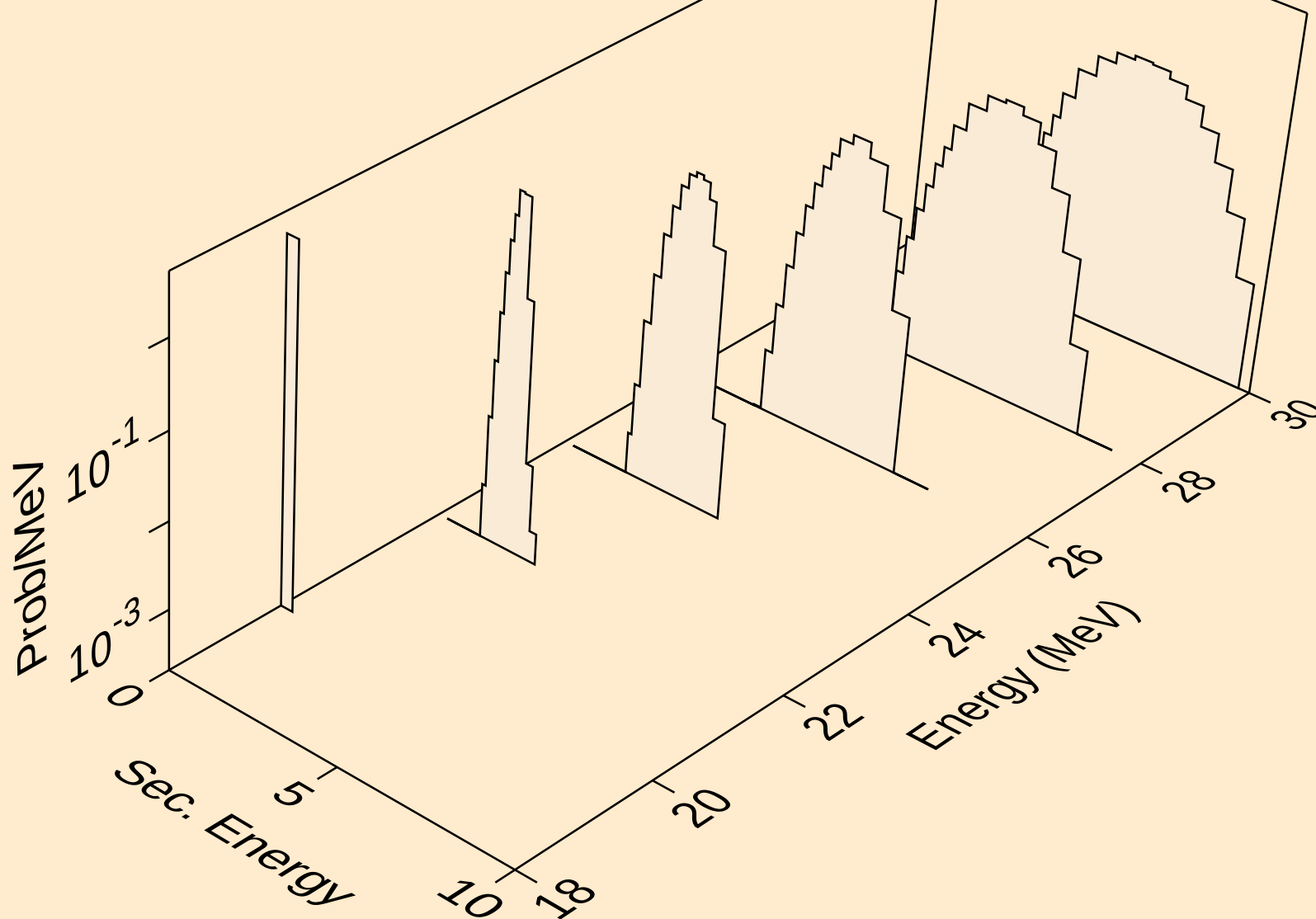
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,n*)p



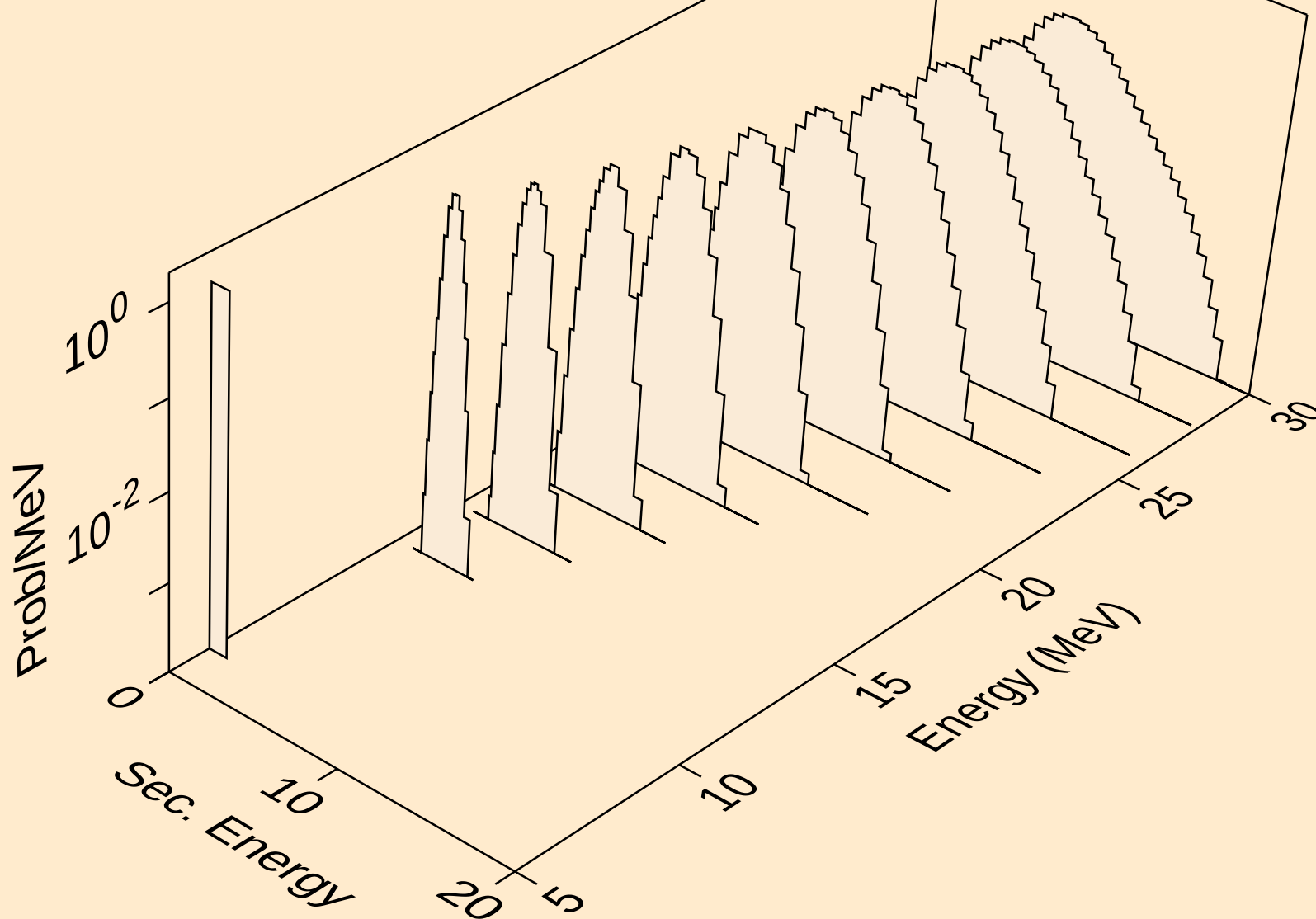
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,2np)



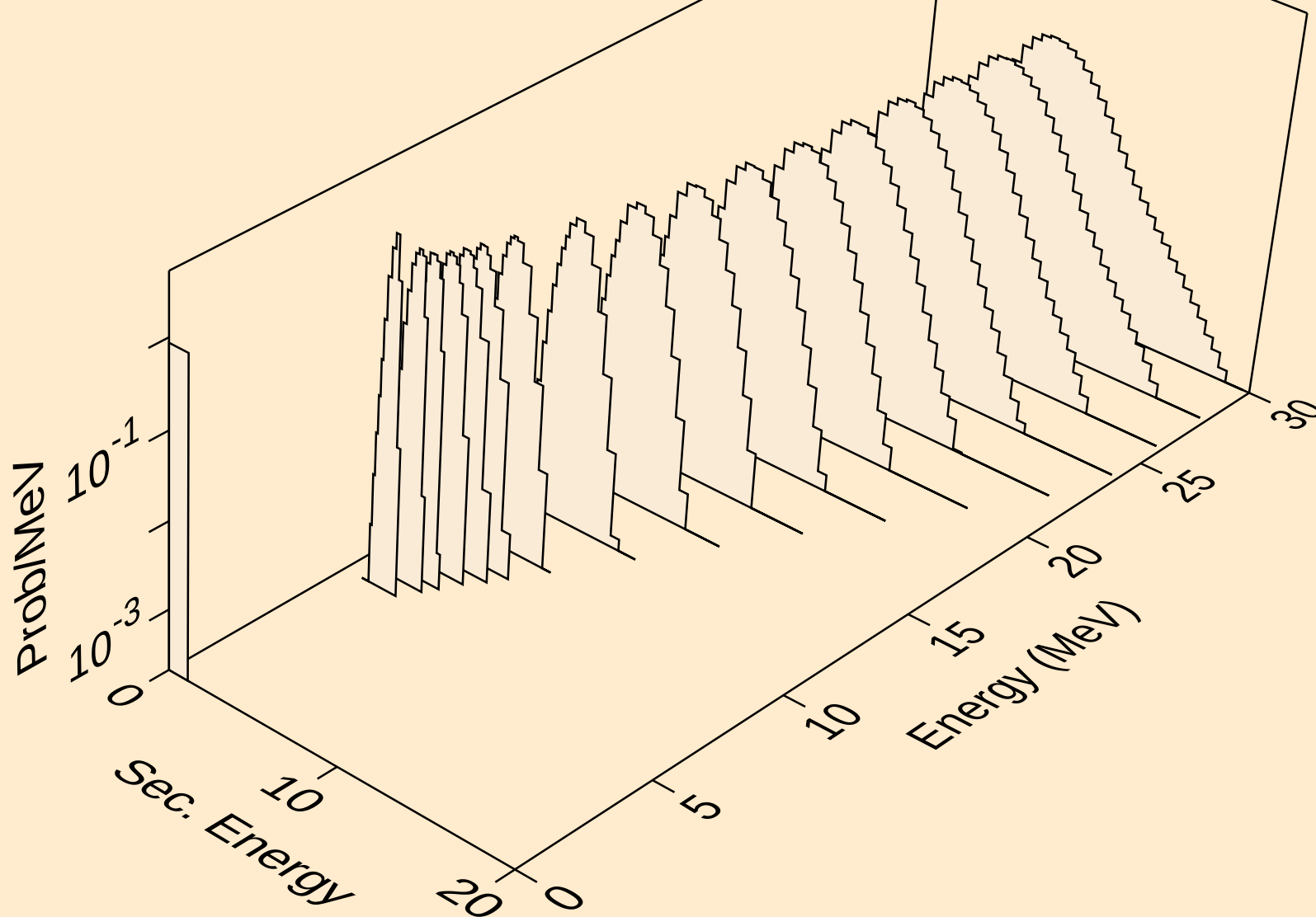
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protons from (n,3np)



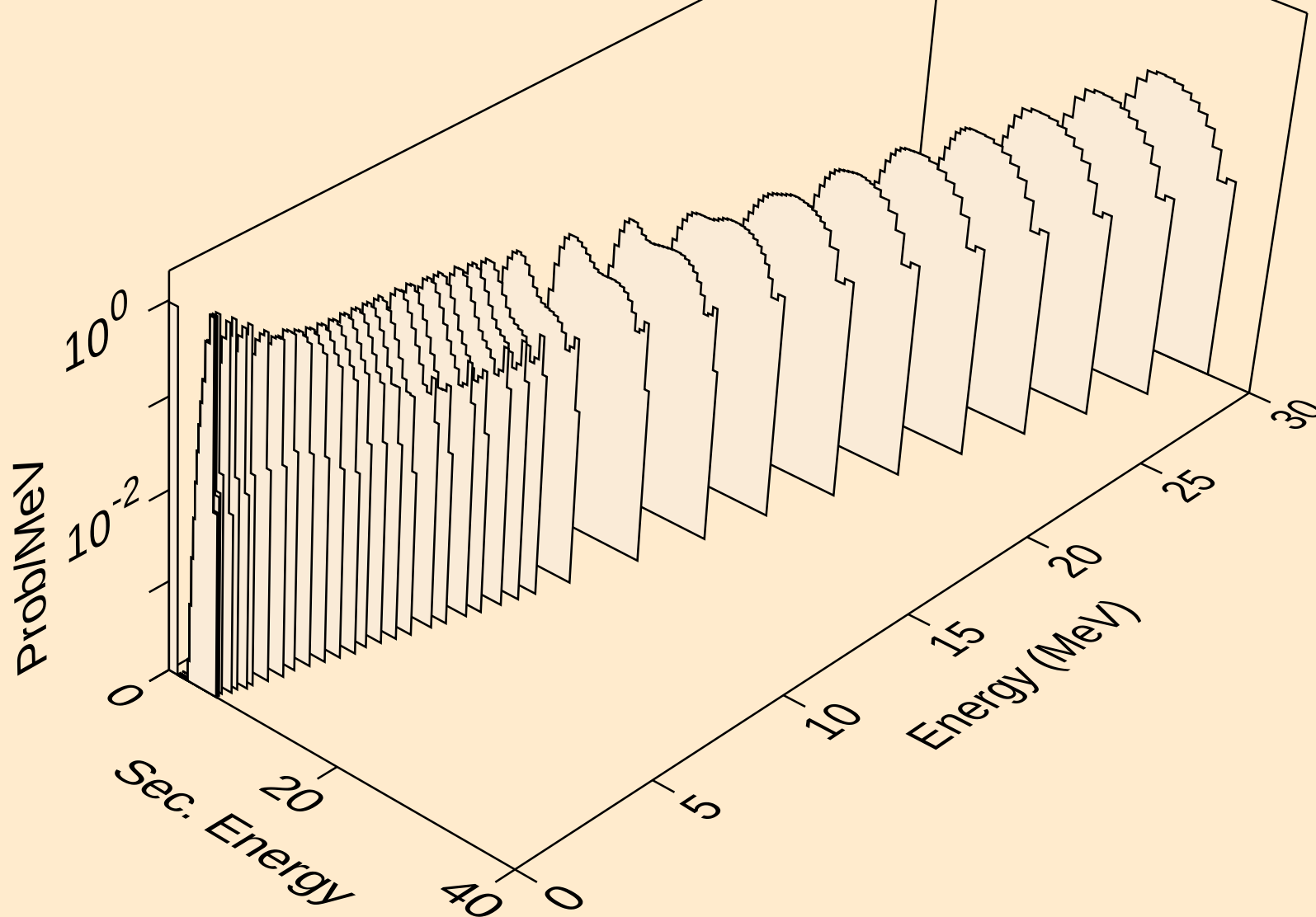
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protons from (n,n2p)



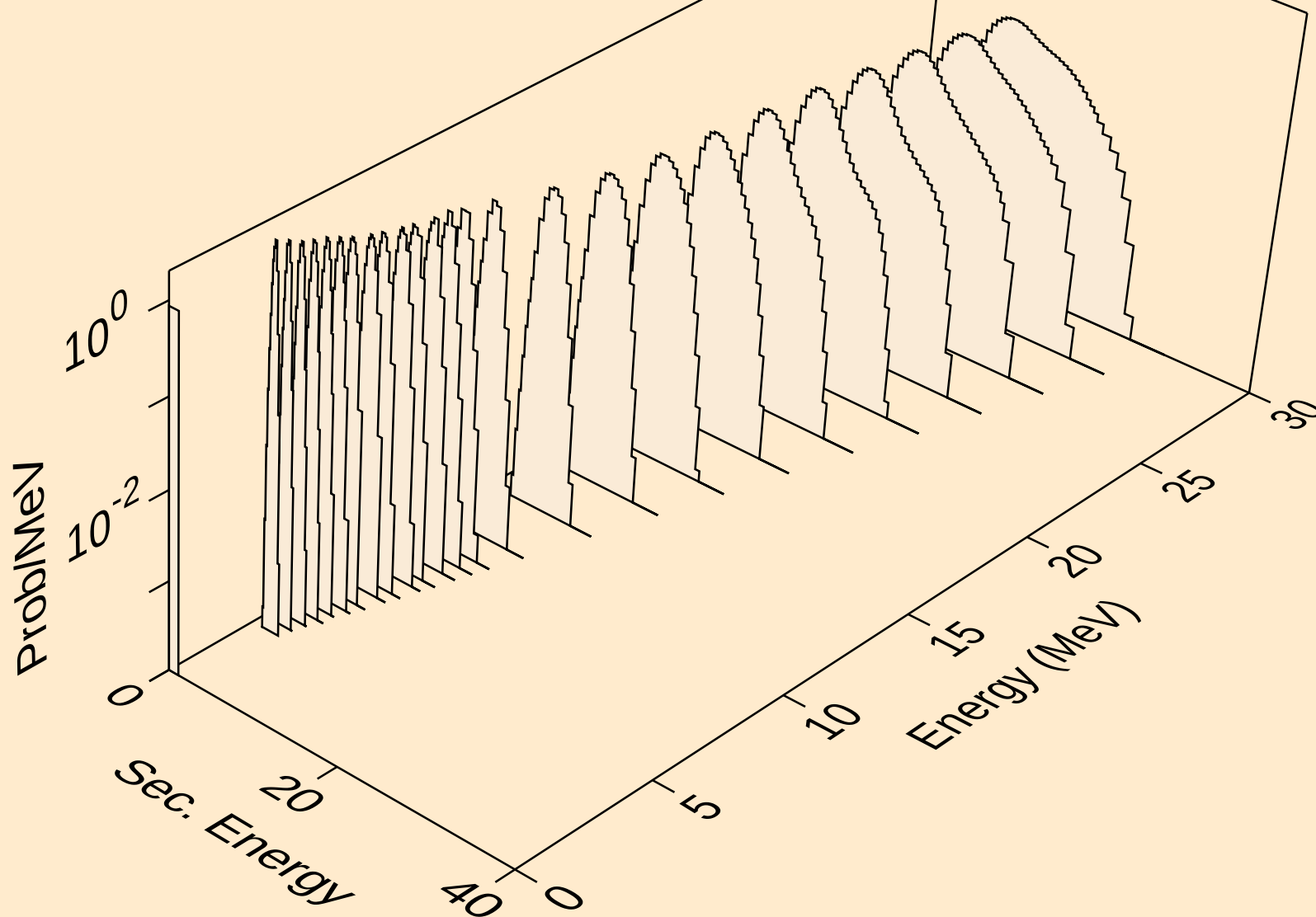
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protons from (n,npa)



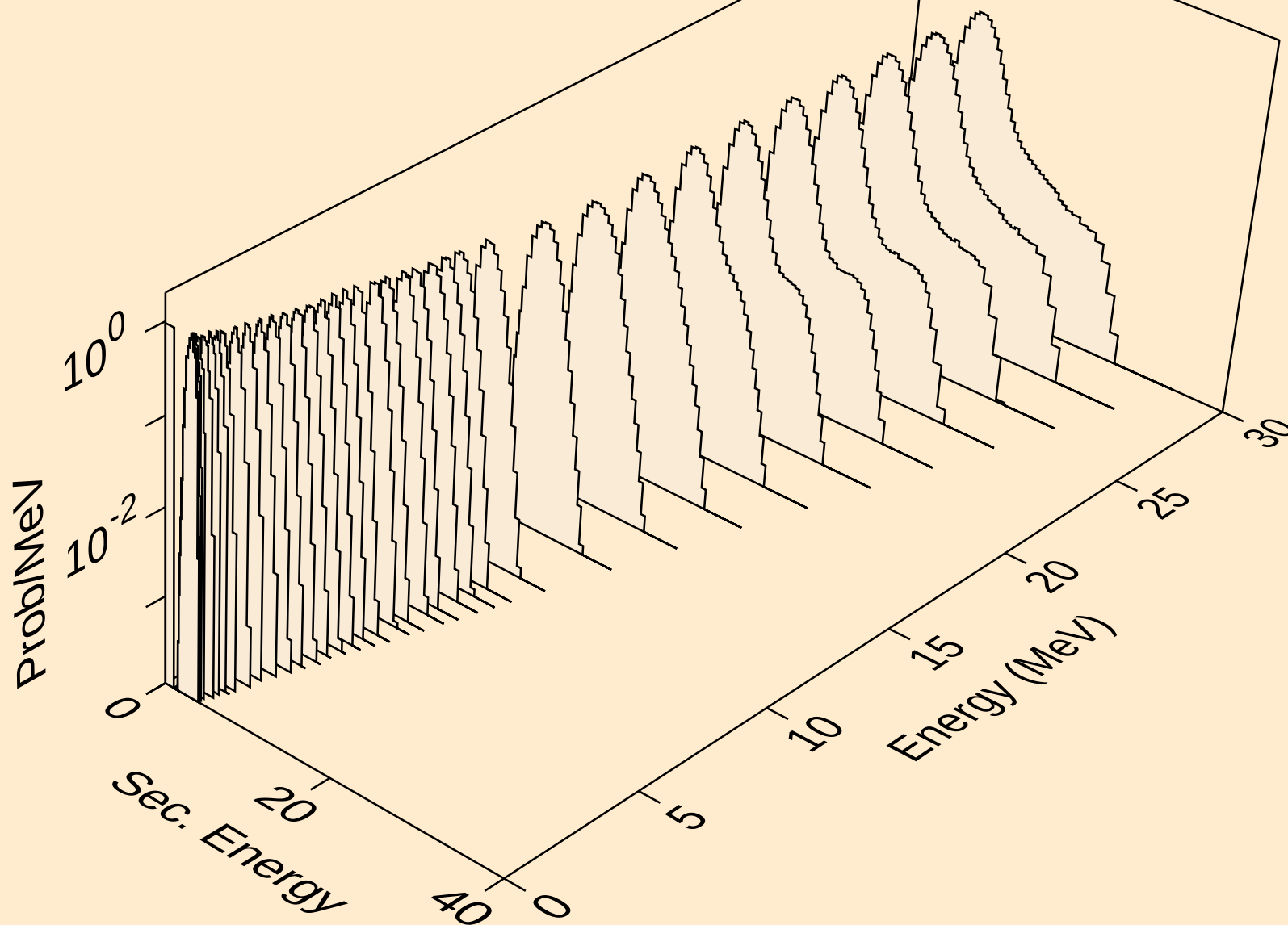
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protons from (n,p)



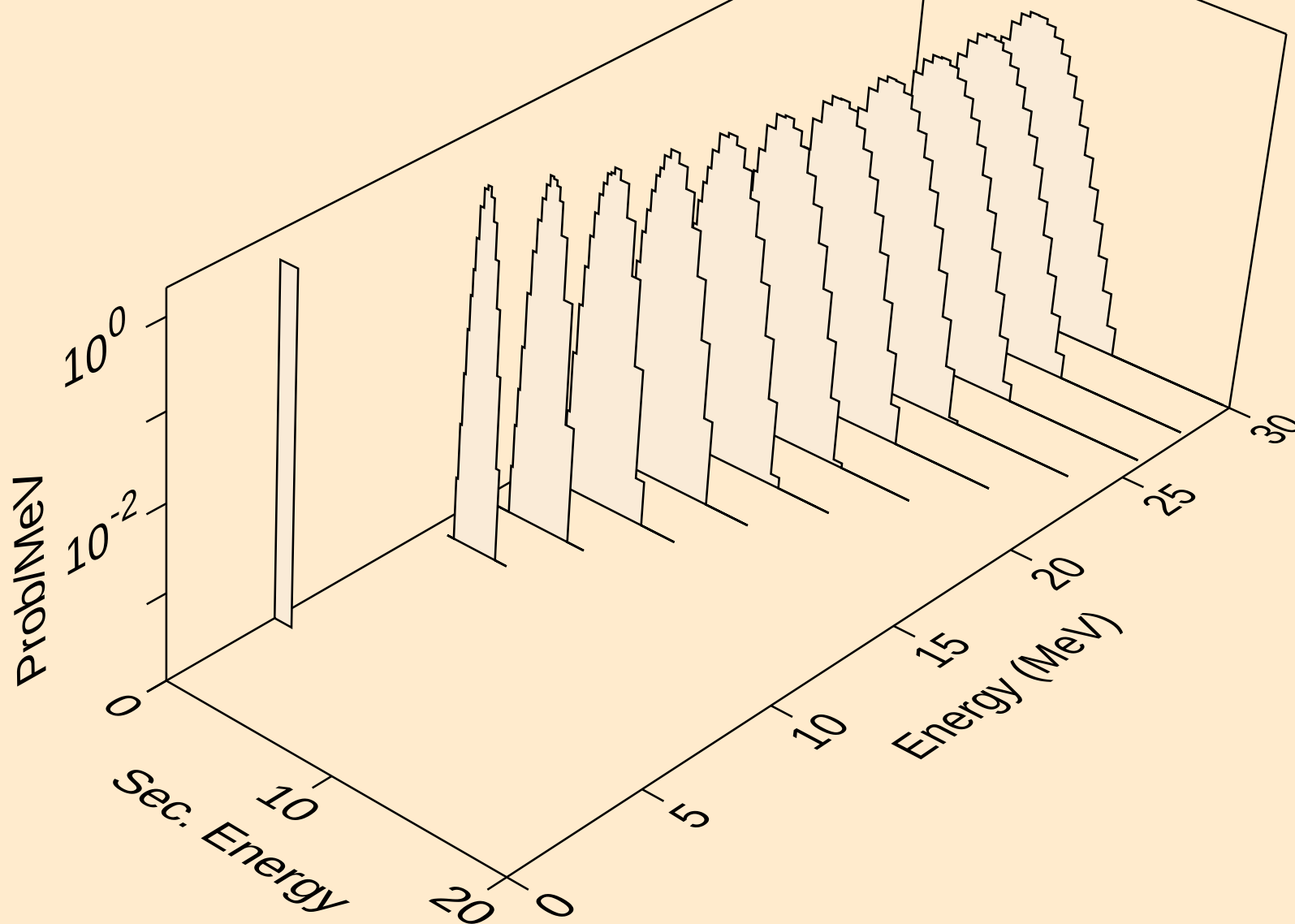
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,2p)



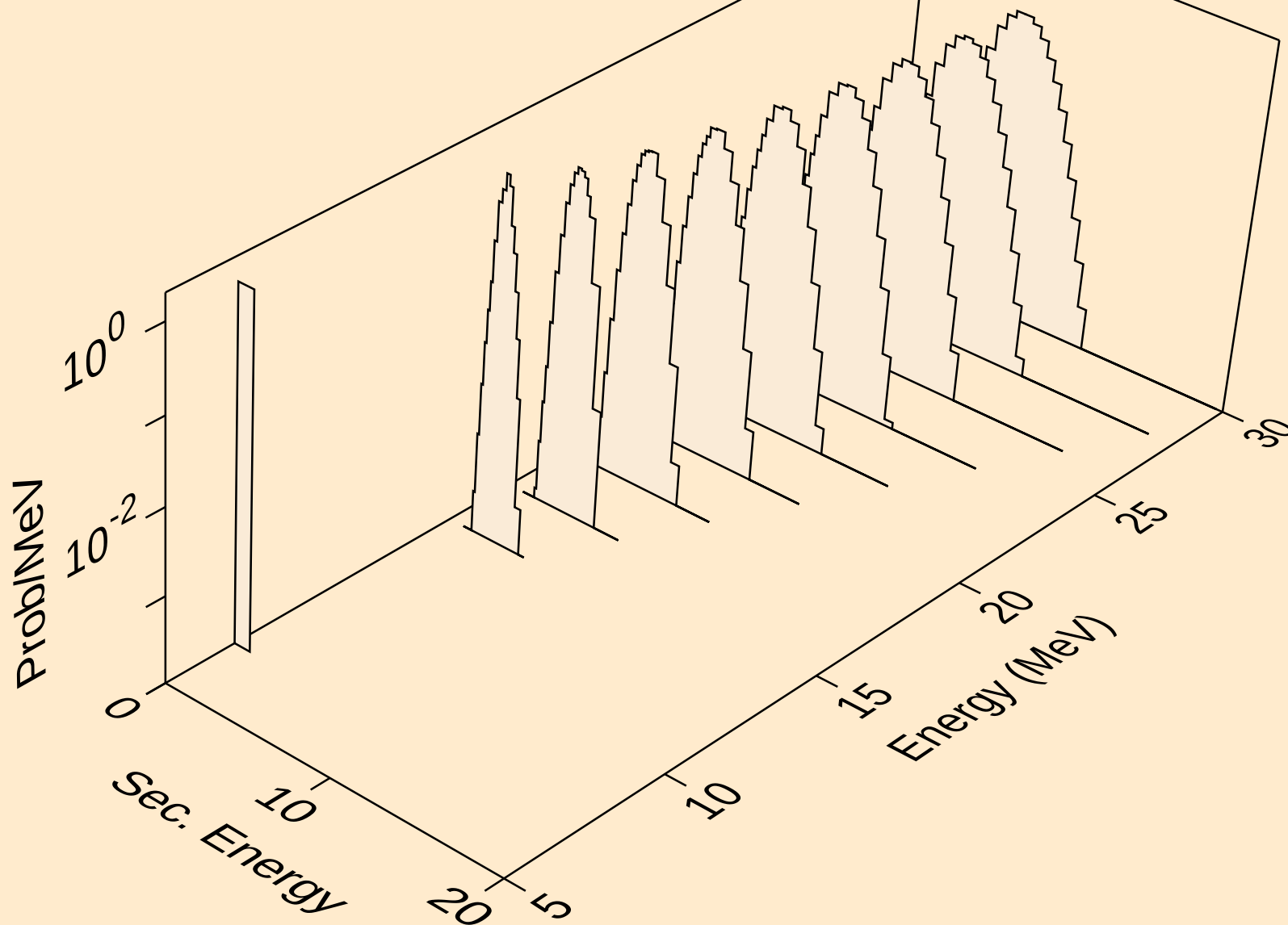
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protons from (n,p)



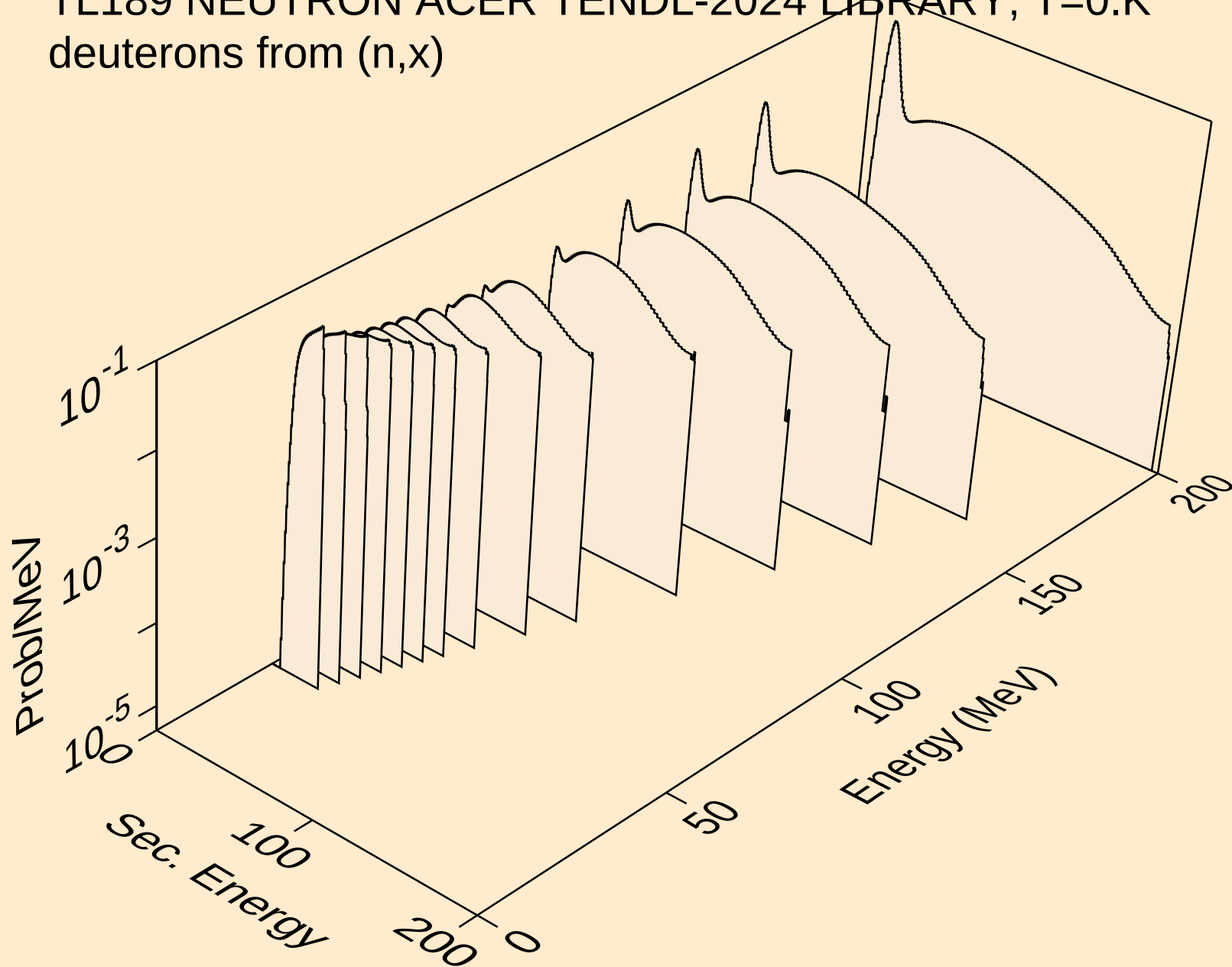
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,pd)



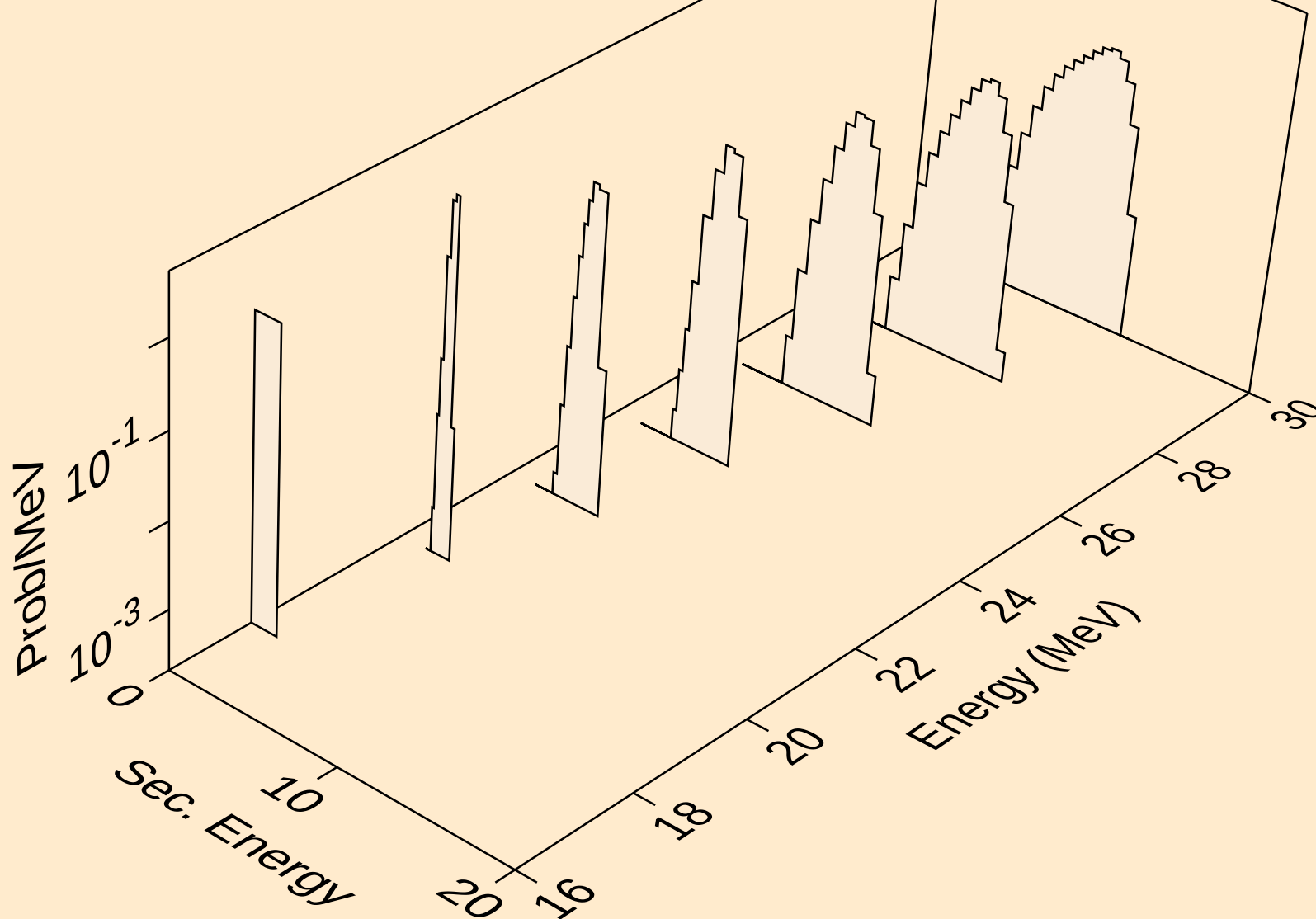
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,pt)



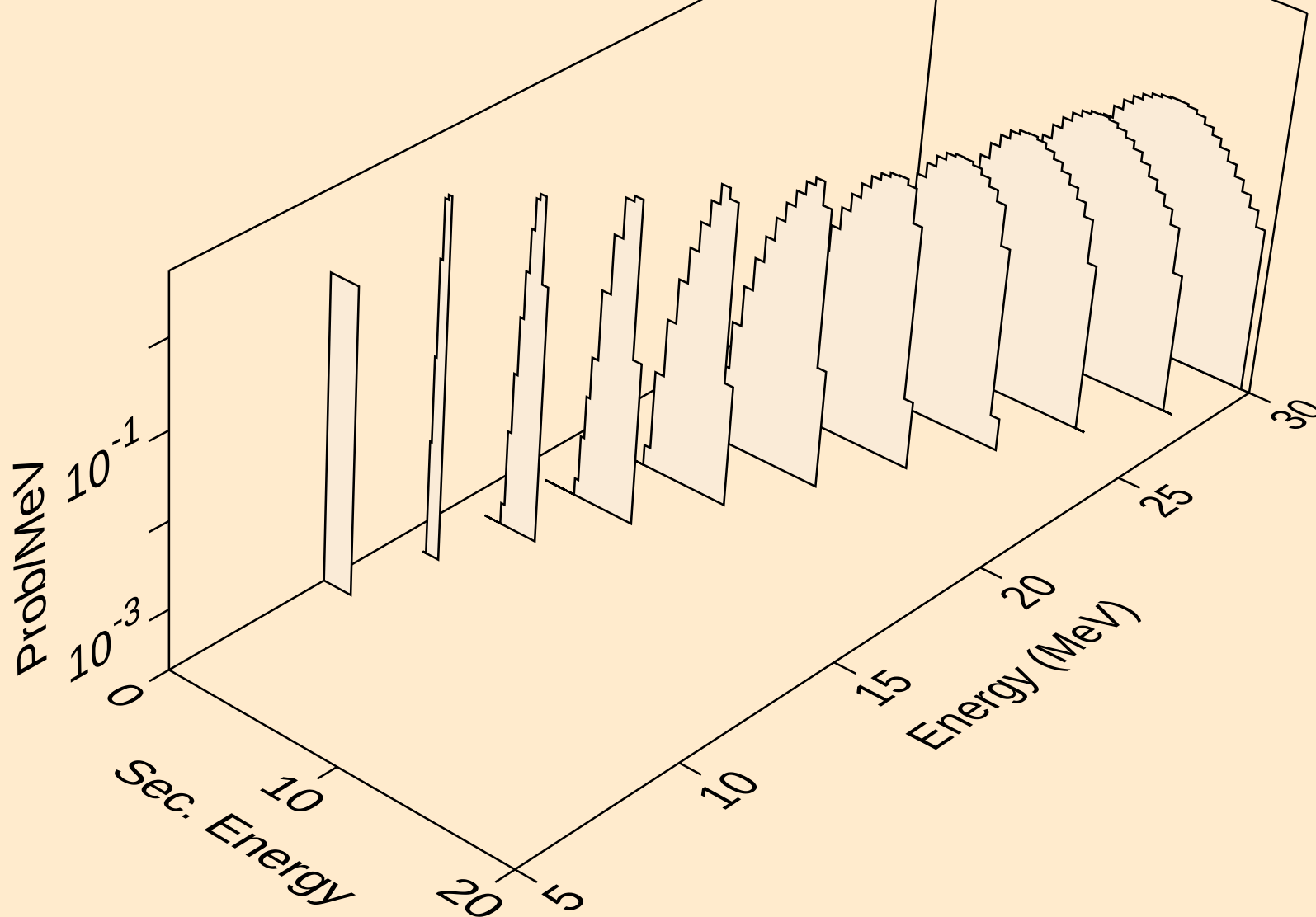
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,x)



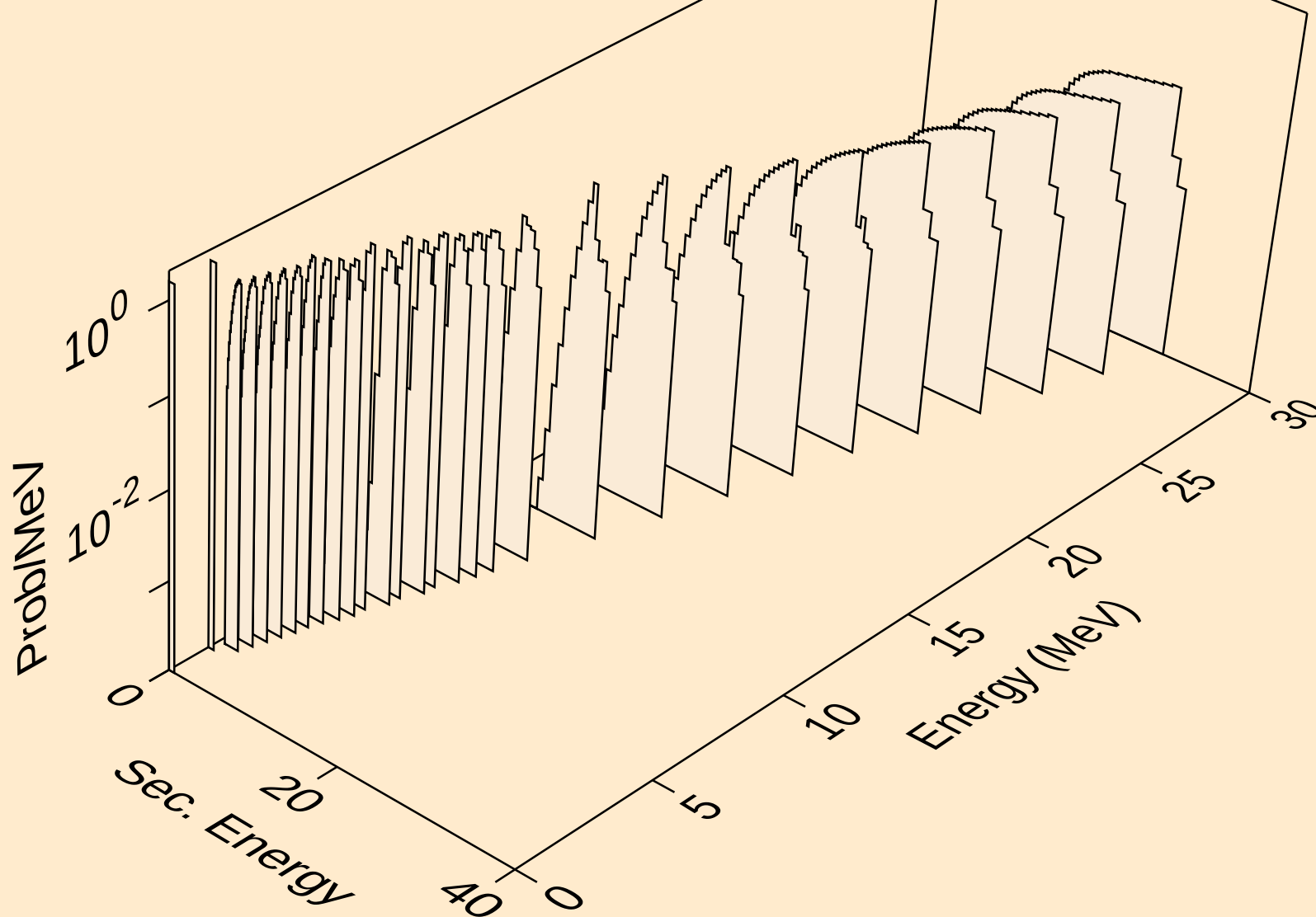
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,2nd)



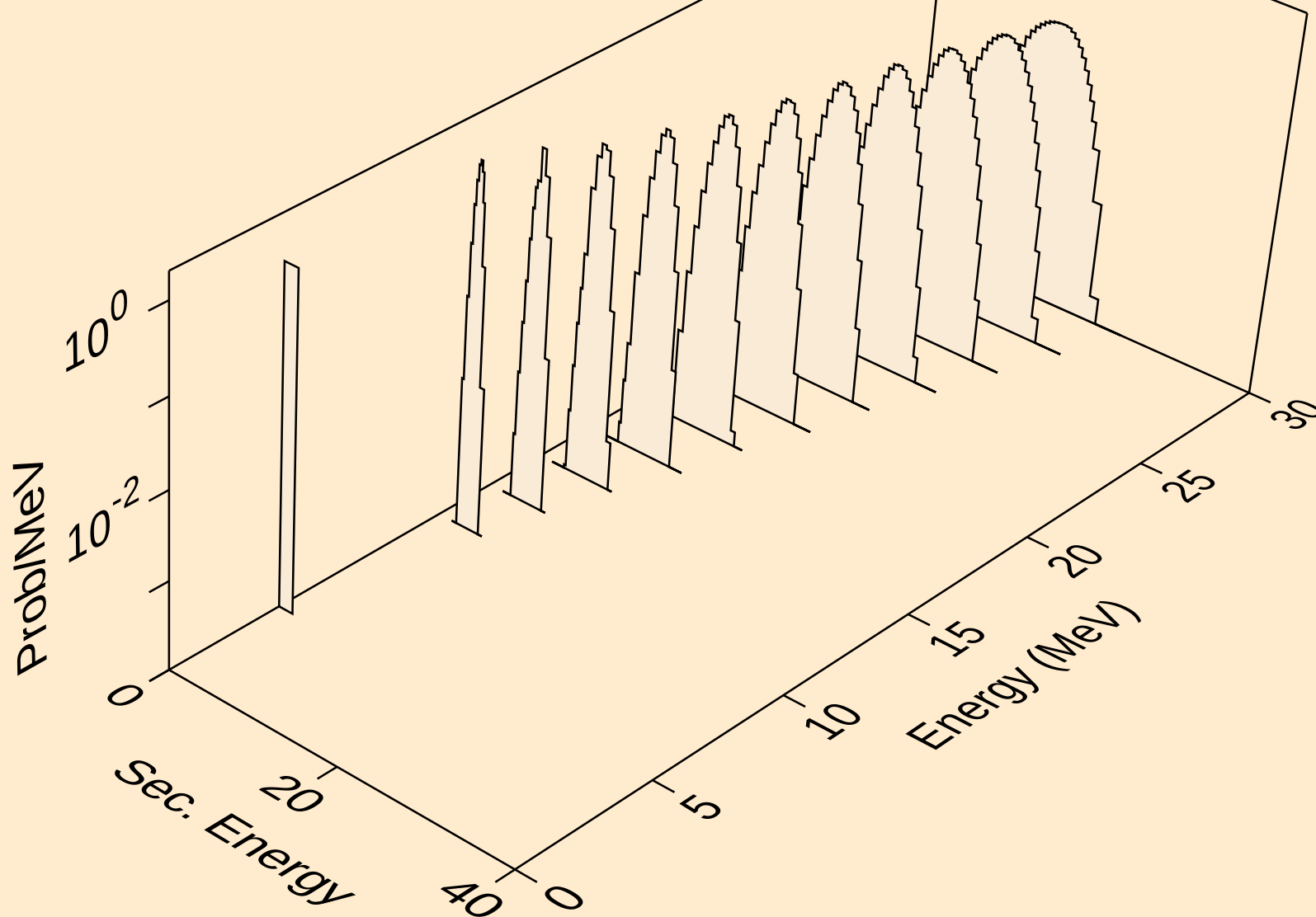
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,n*)d



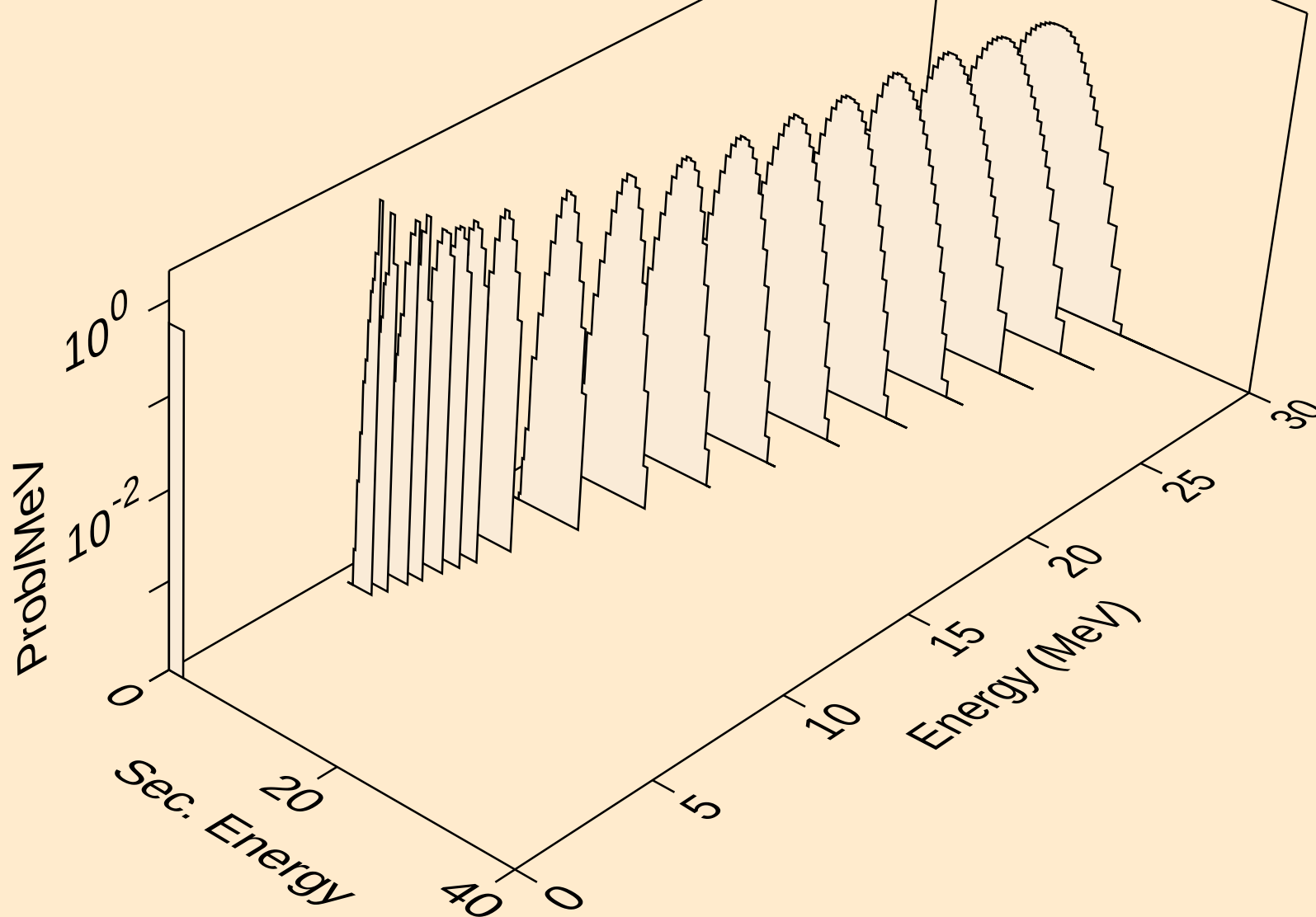
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,d)



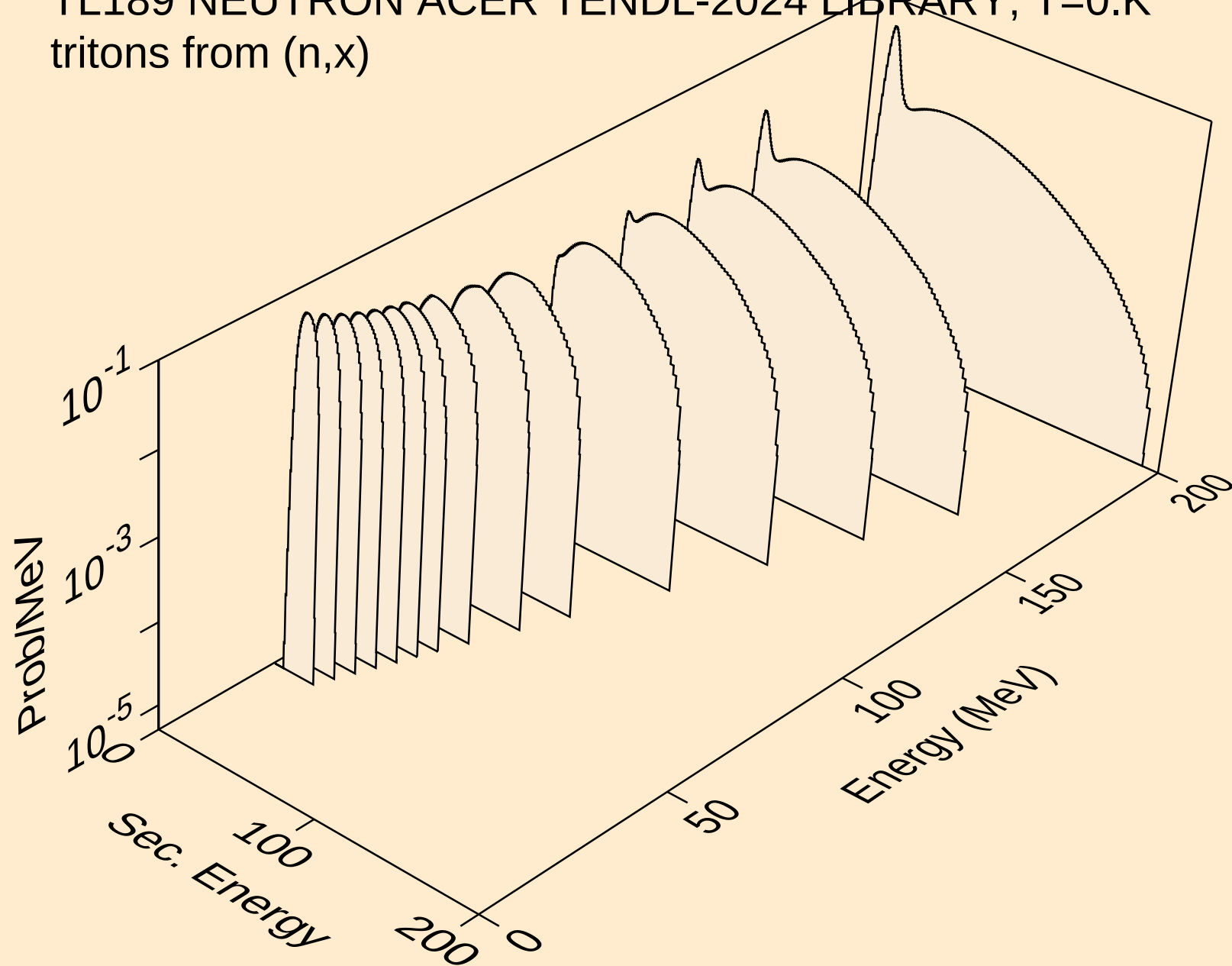
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,pd)



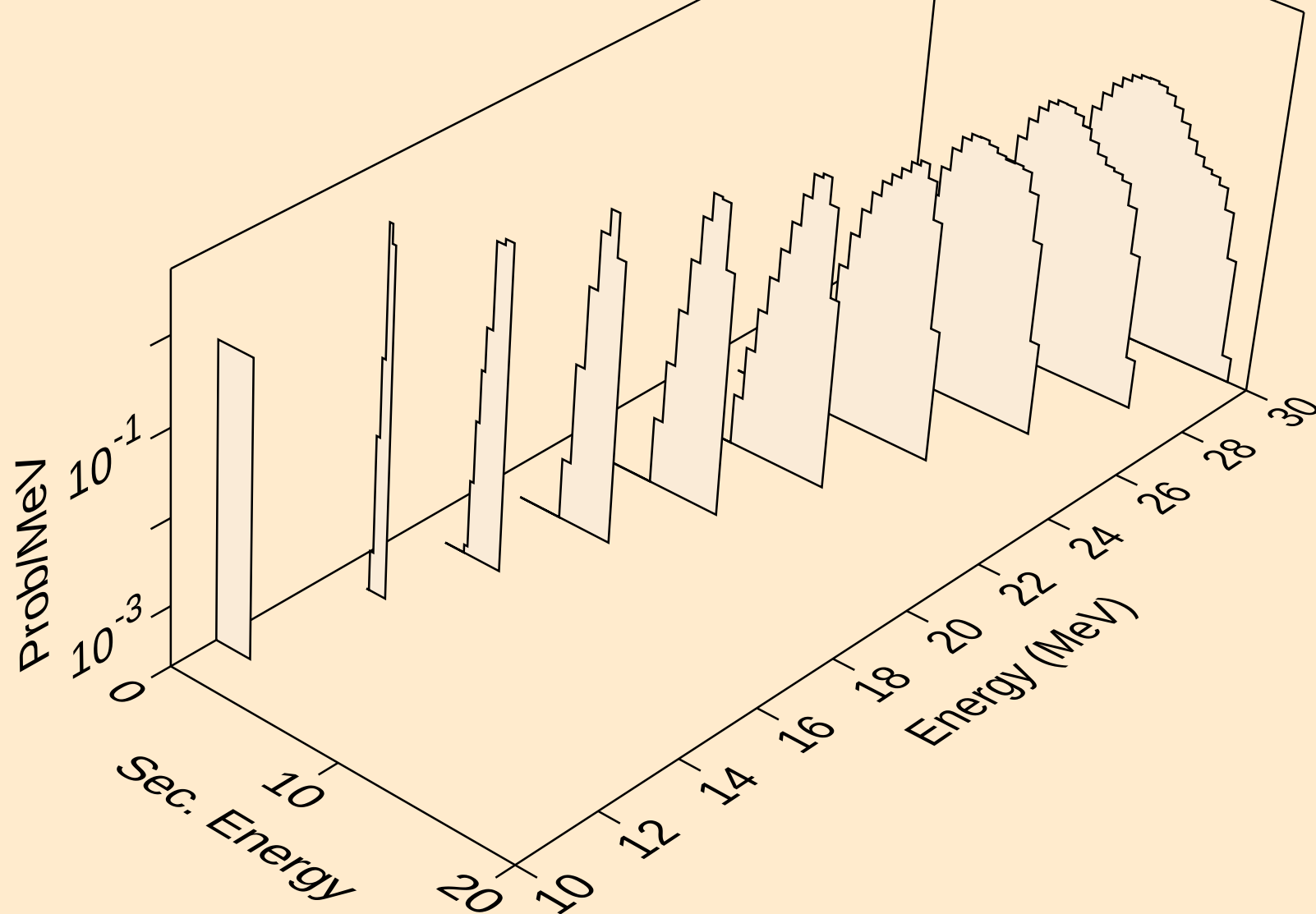
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,da)



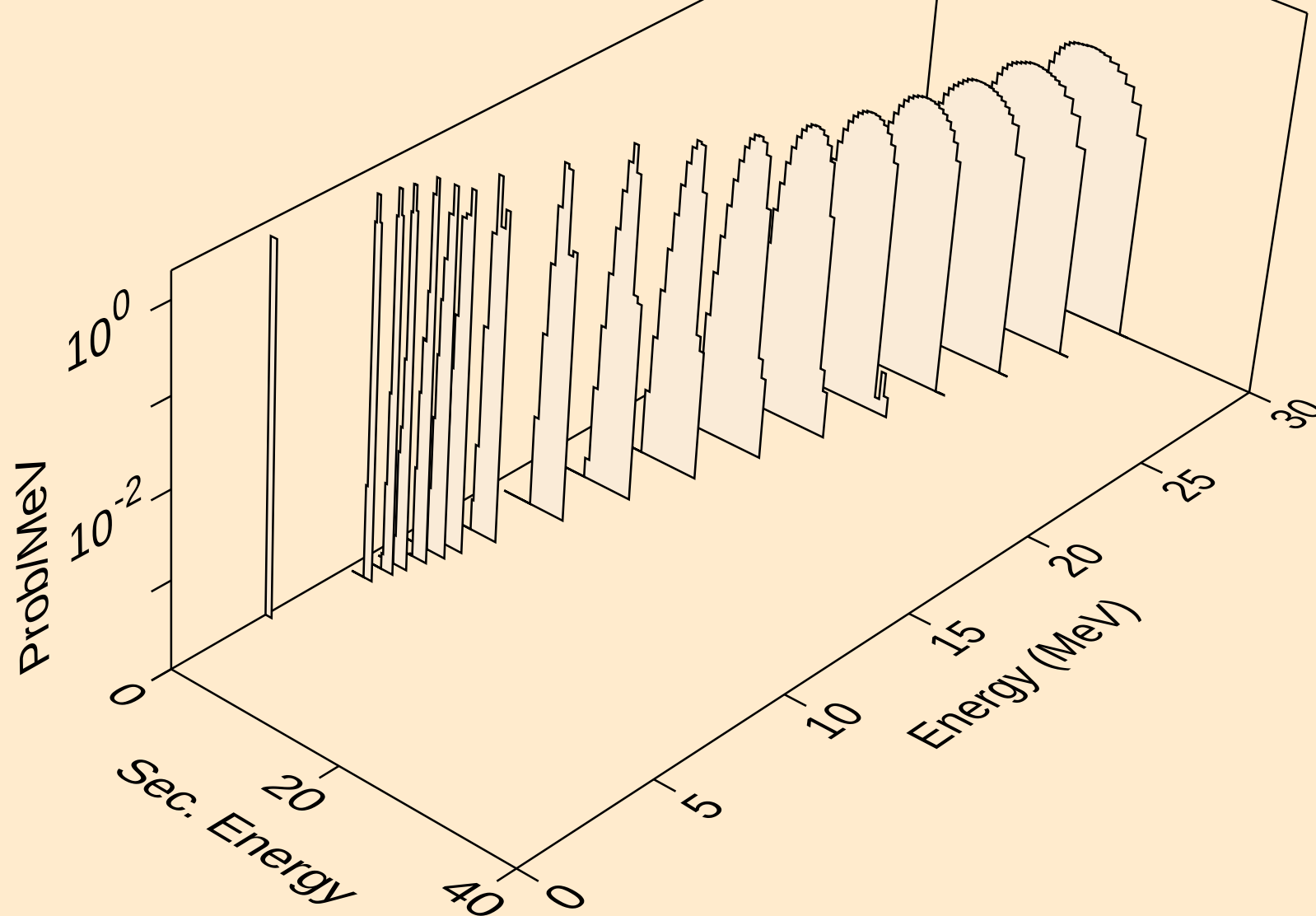
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,x)



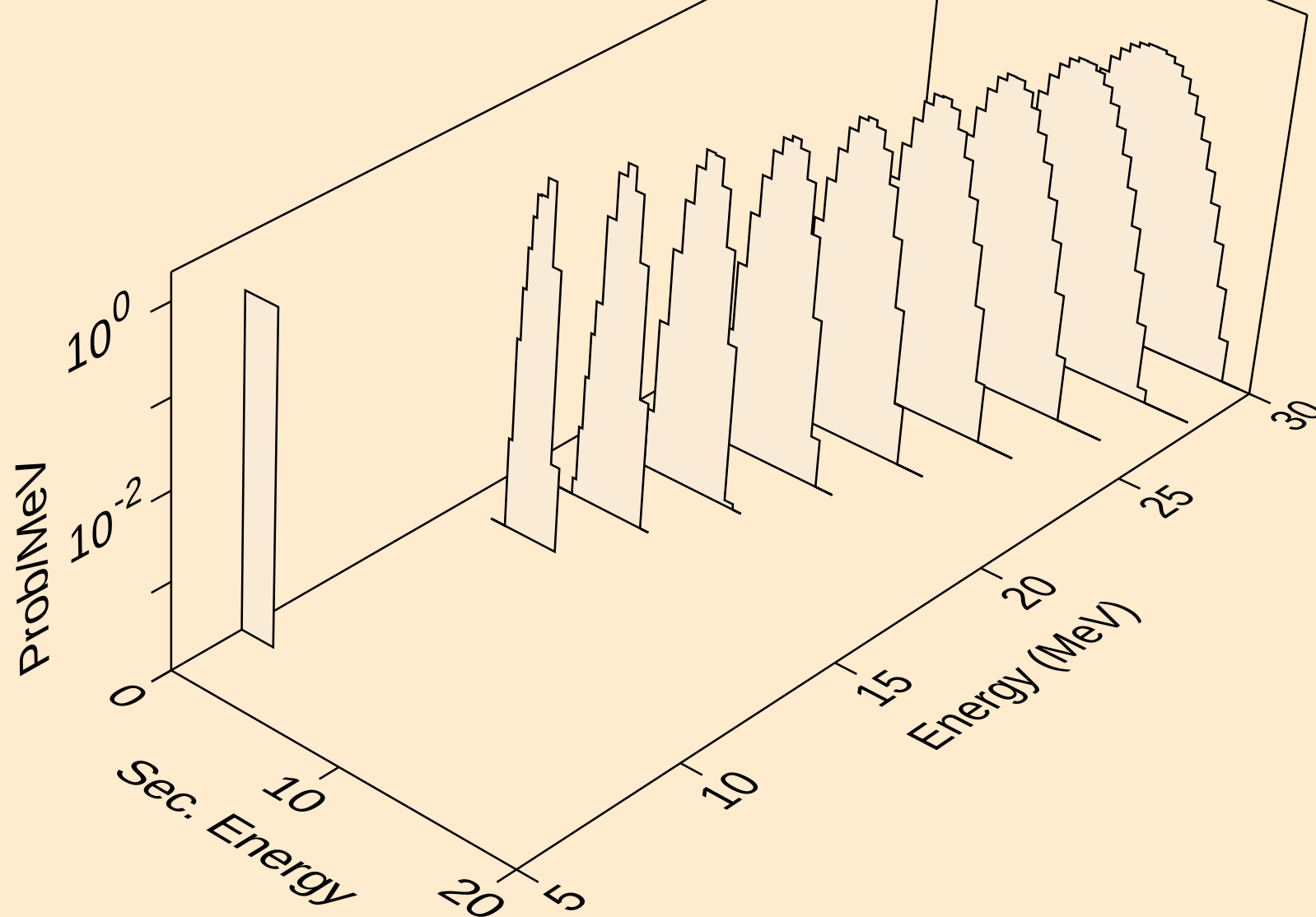
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,n*)t



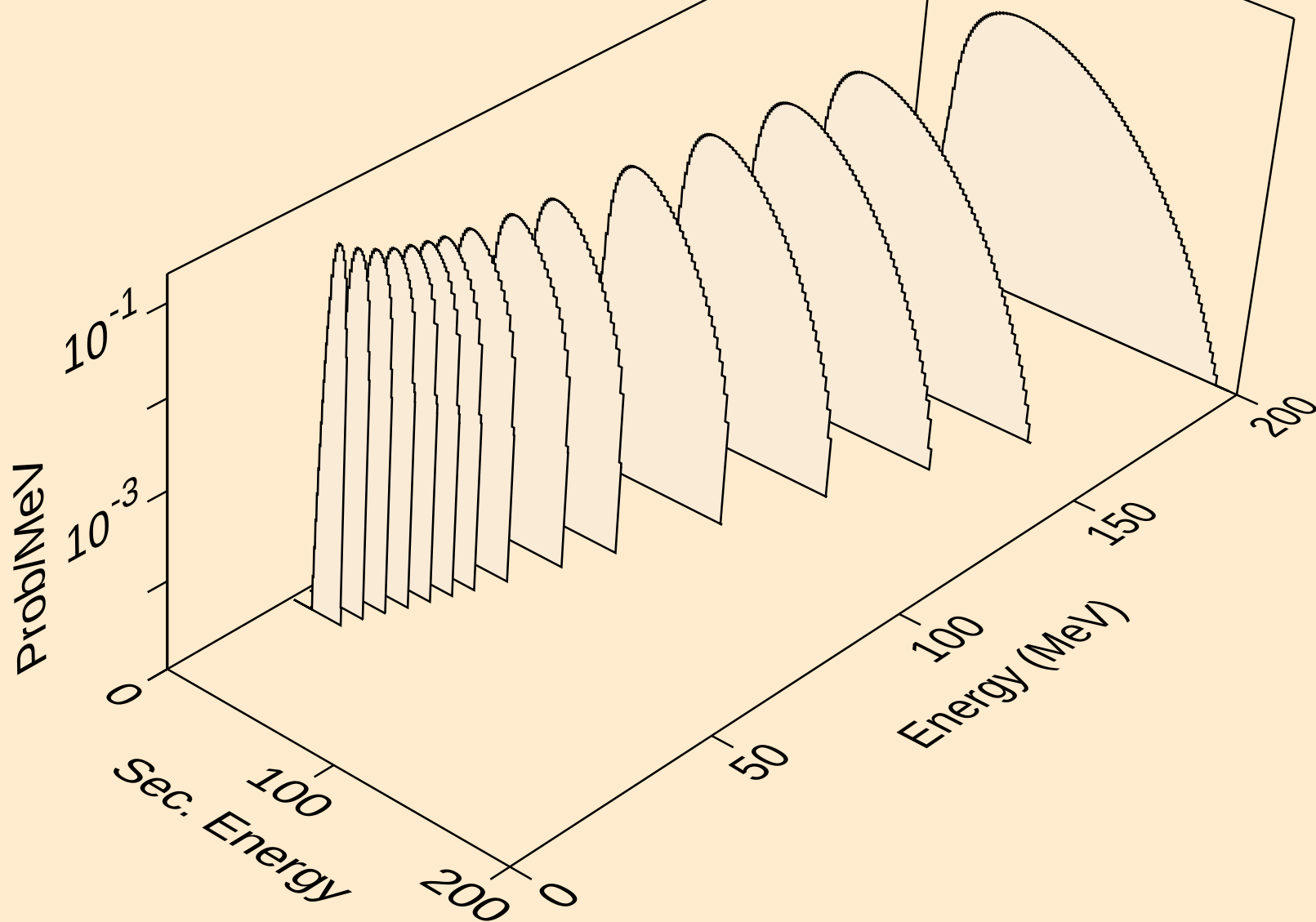
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tritons from (n,t)



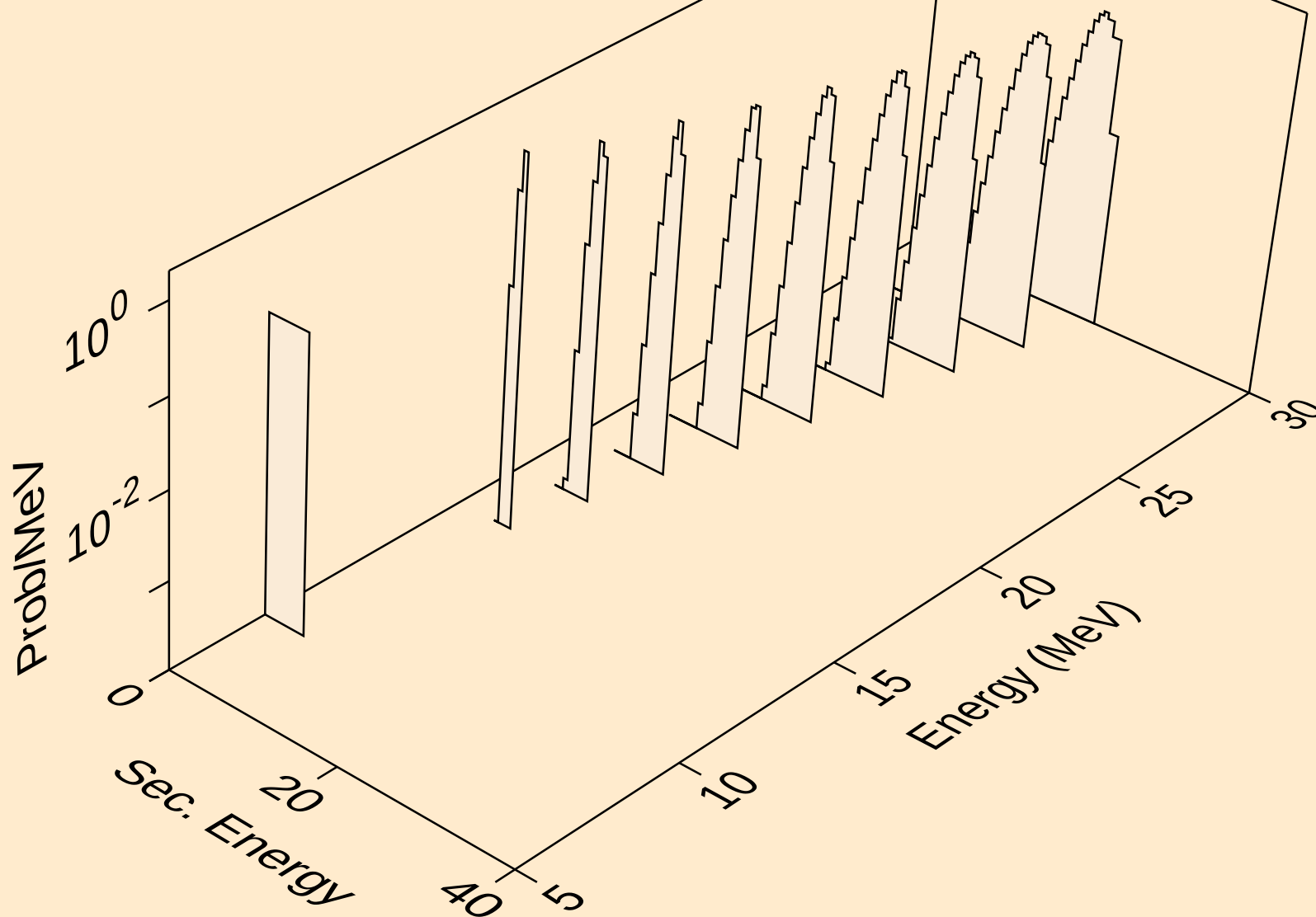
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tritons from (n,pt)



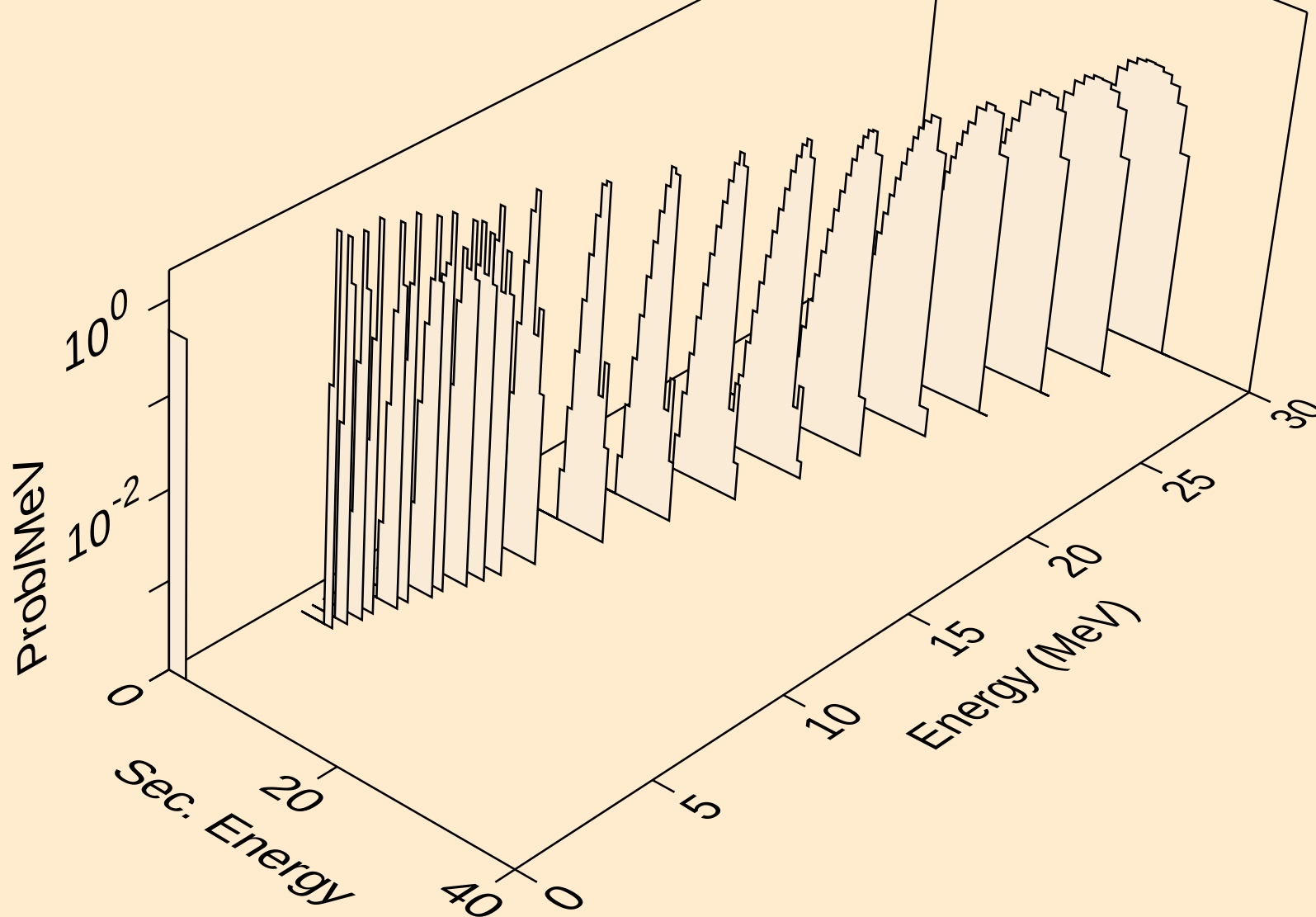
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,x)



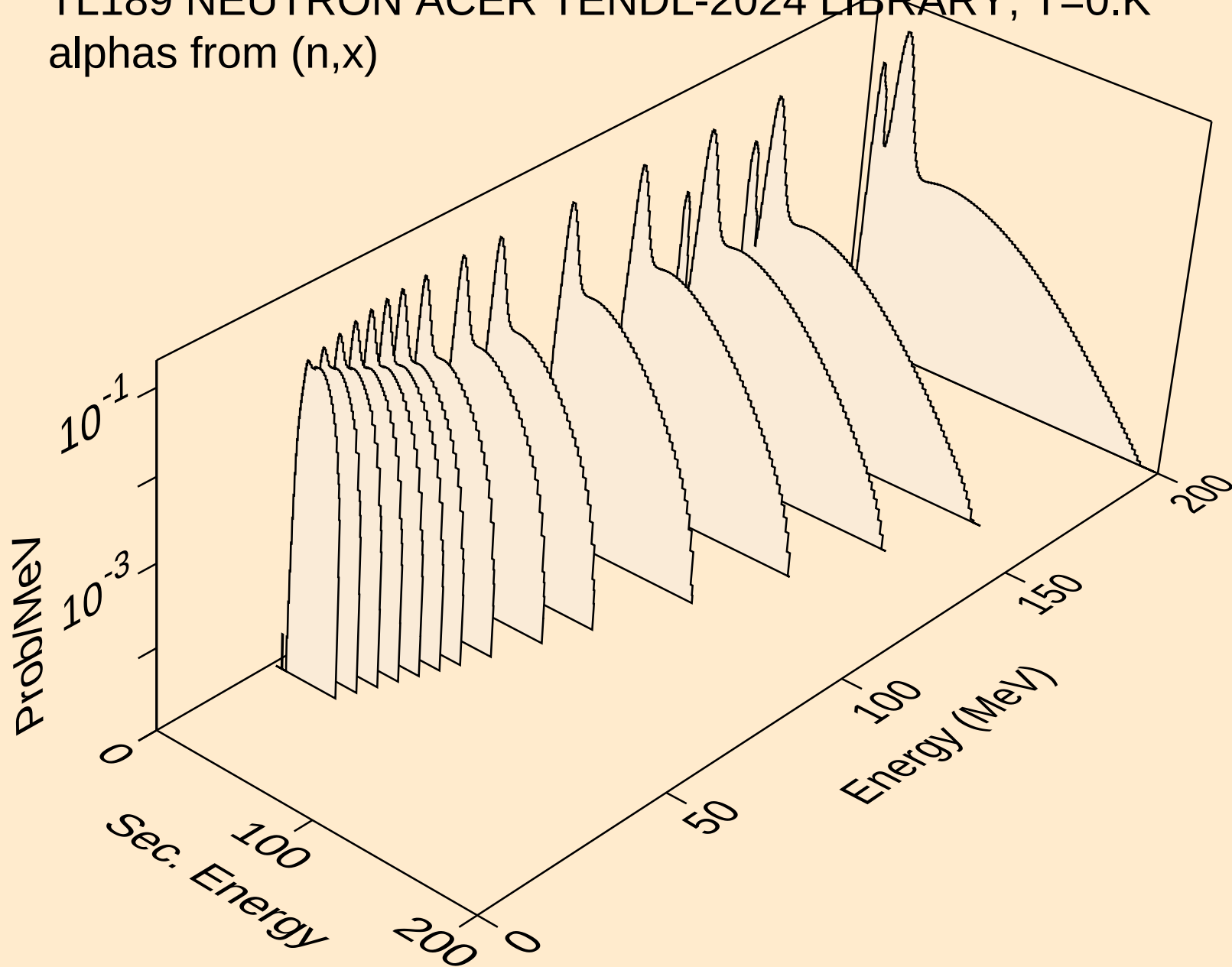
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,n*)he3



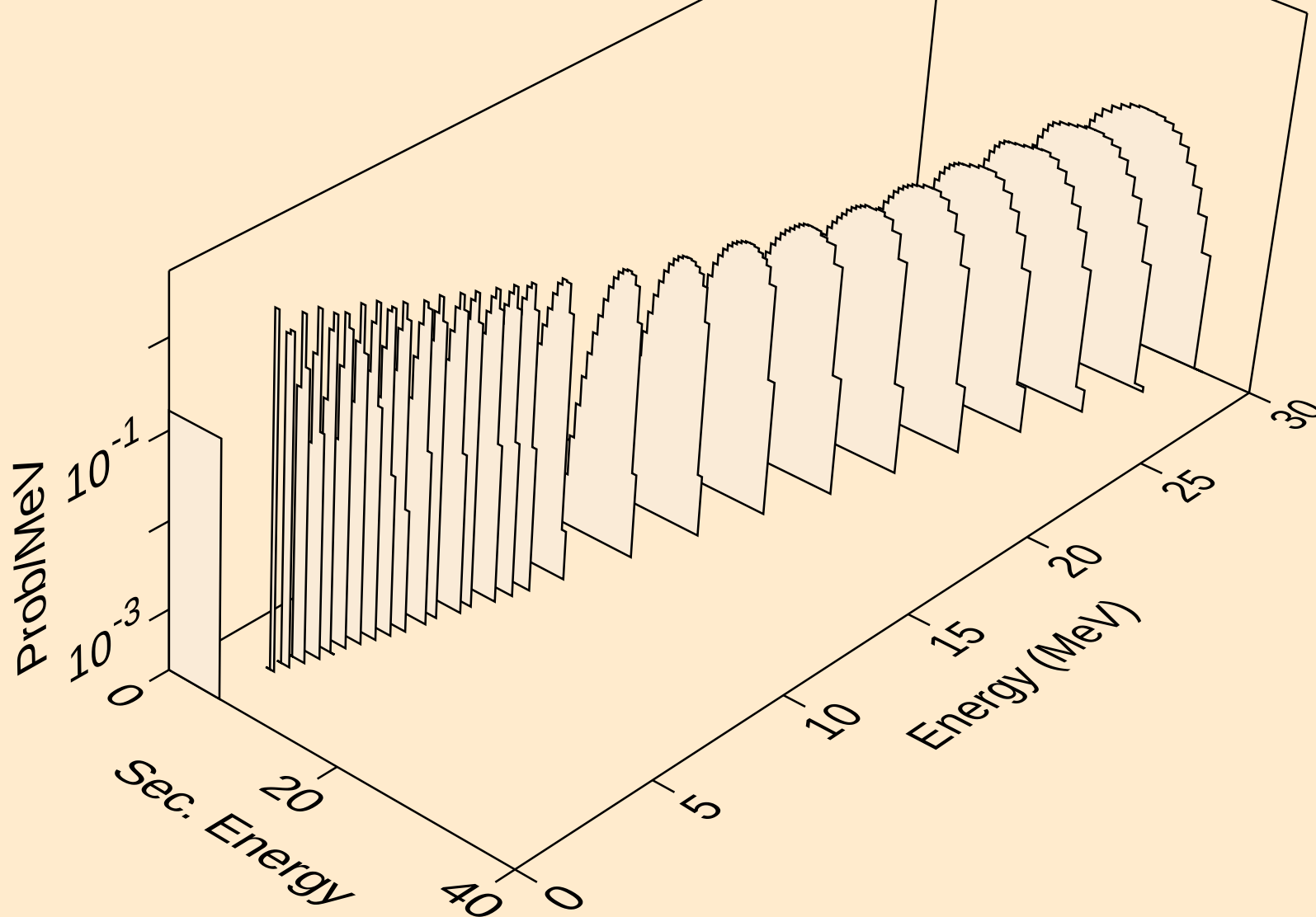
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
he3s from (n,he3)



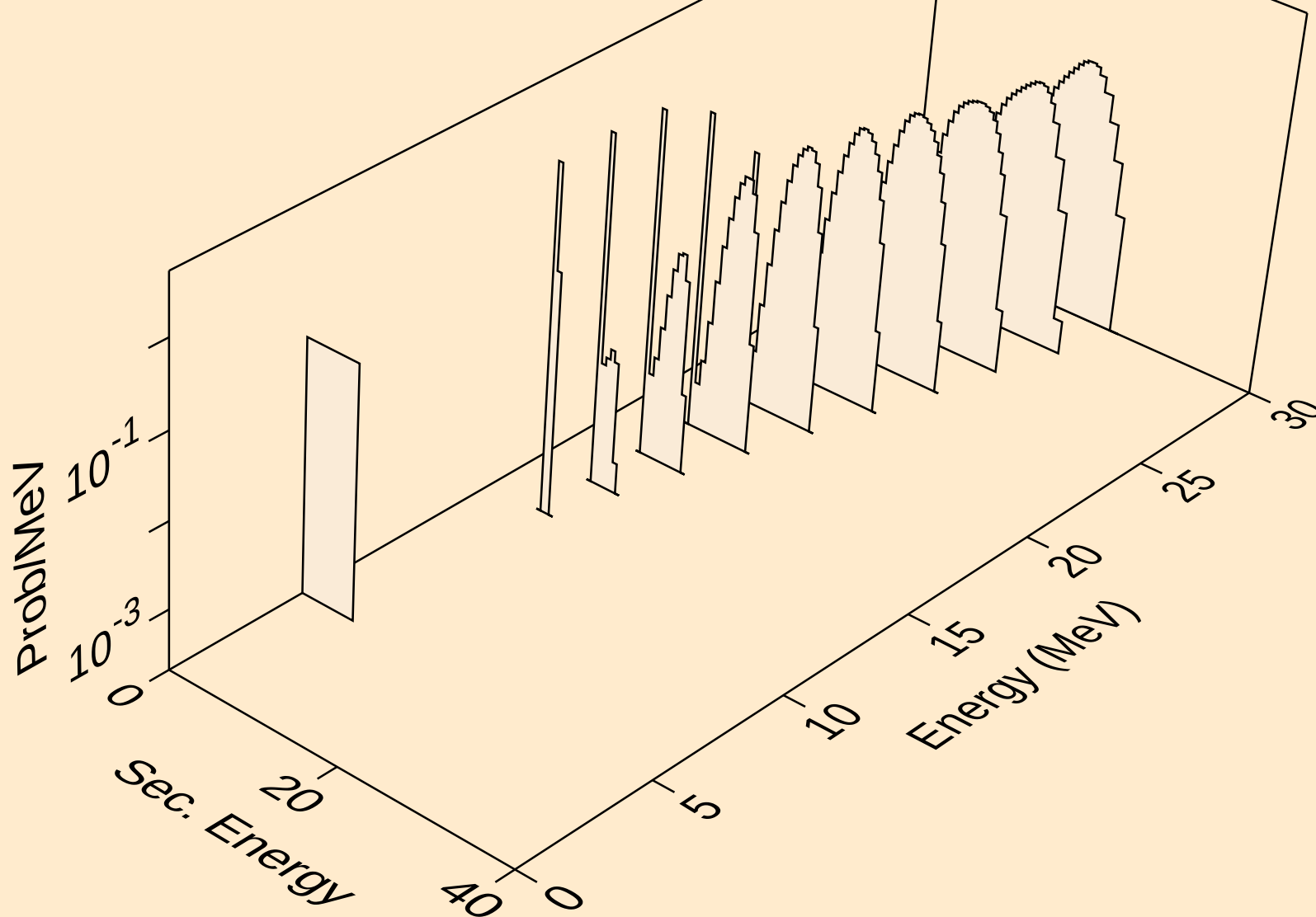
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,x)



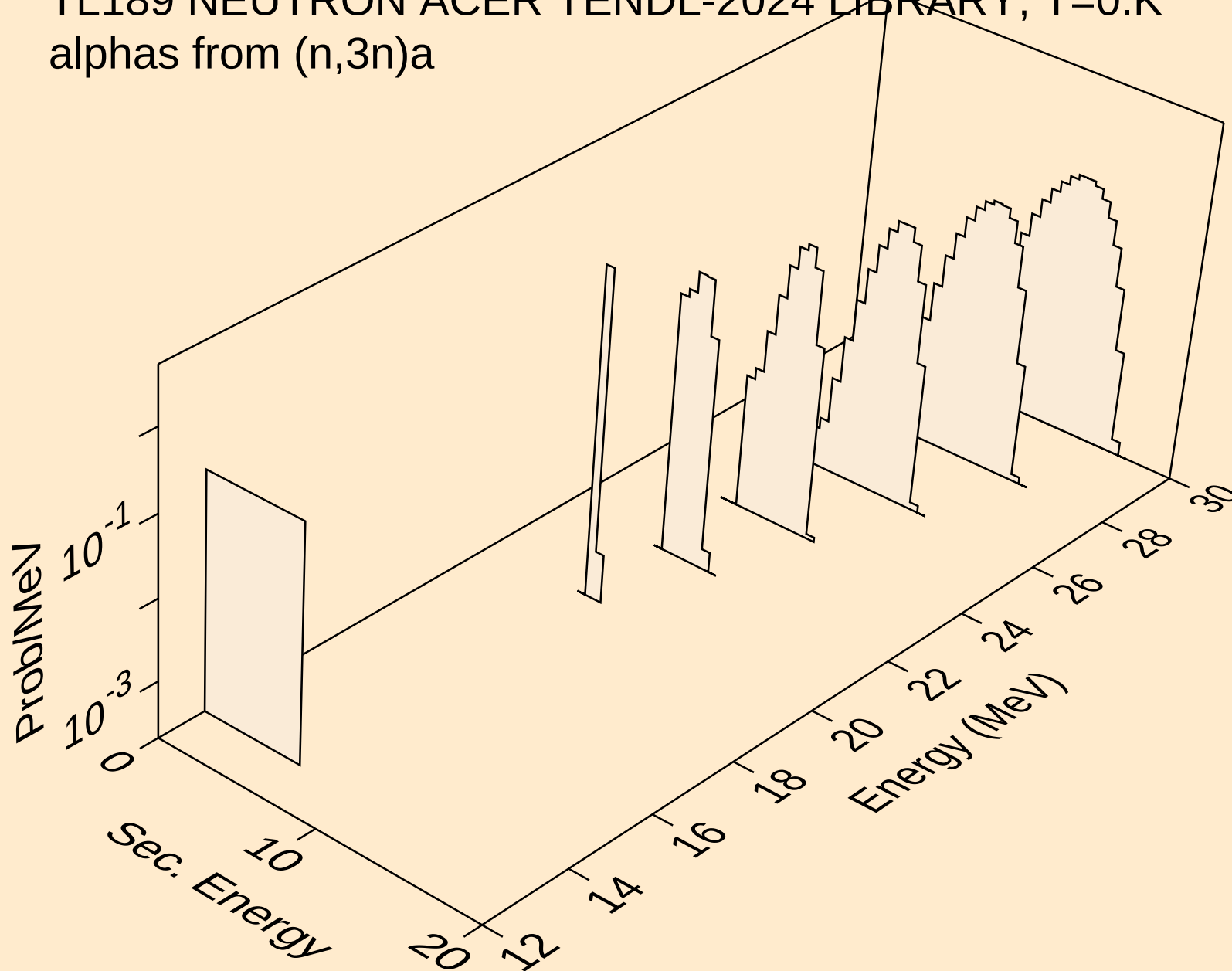
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)a



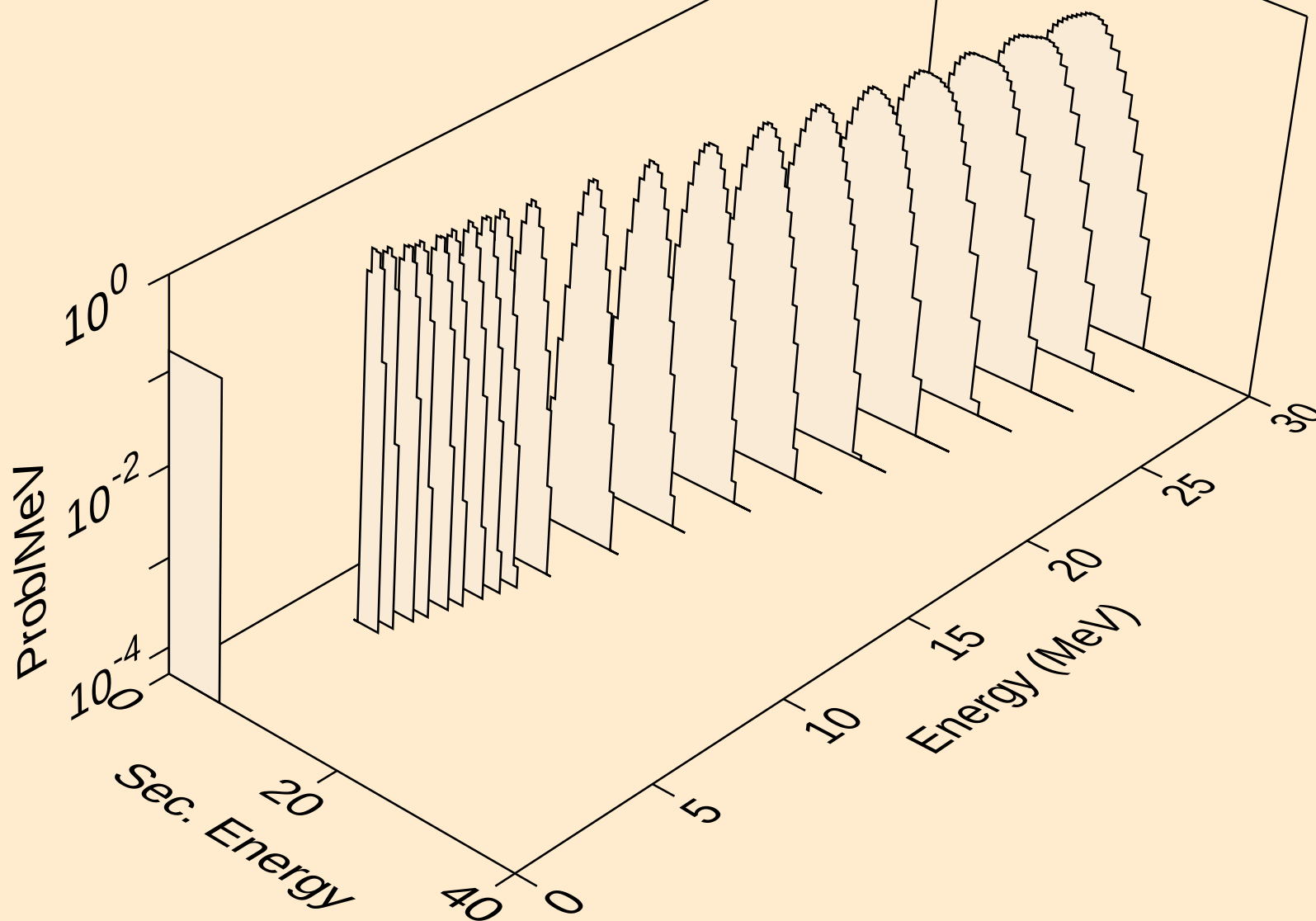
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2n)a



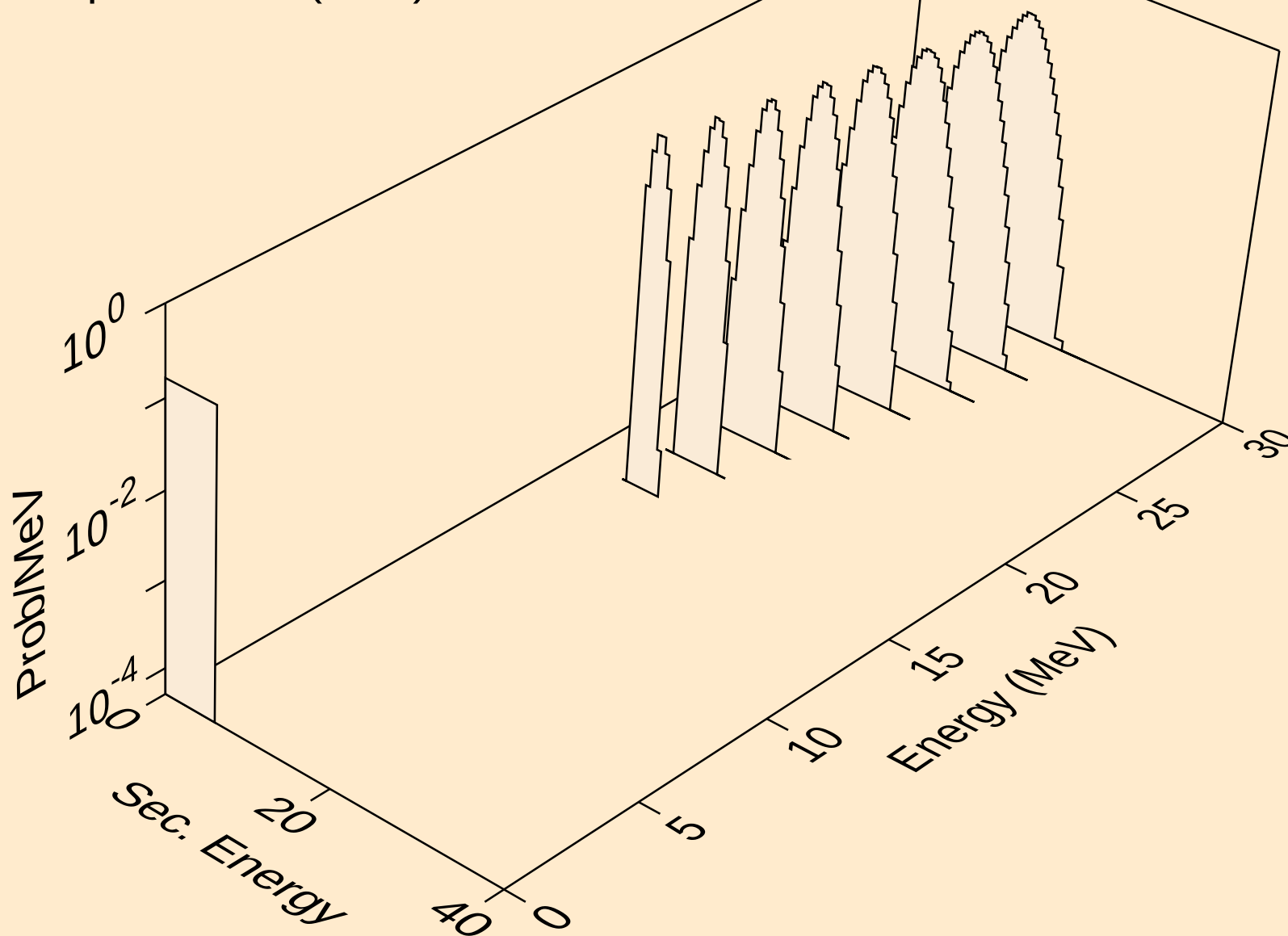
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,3n)a



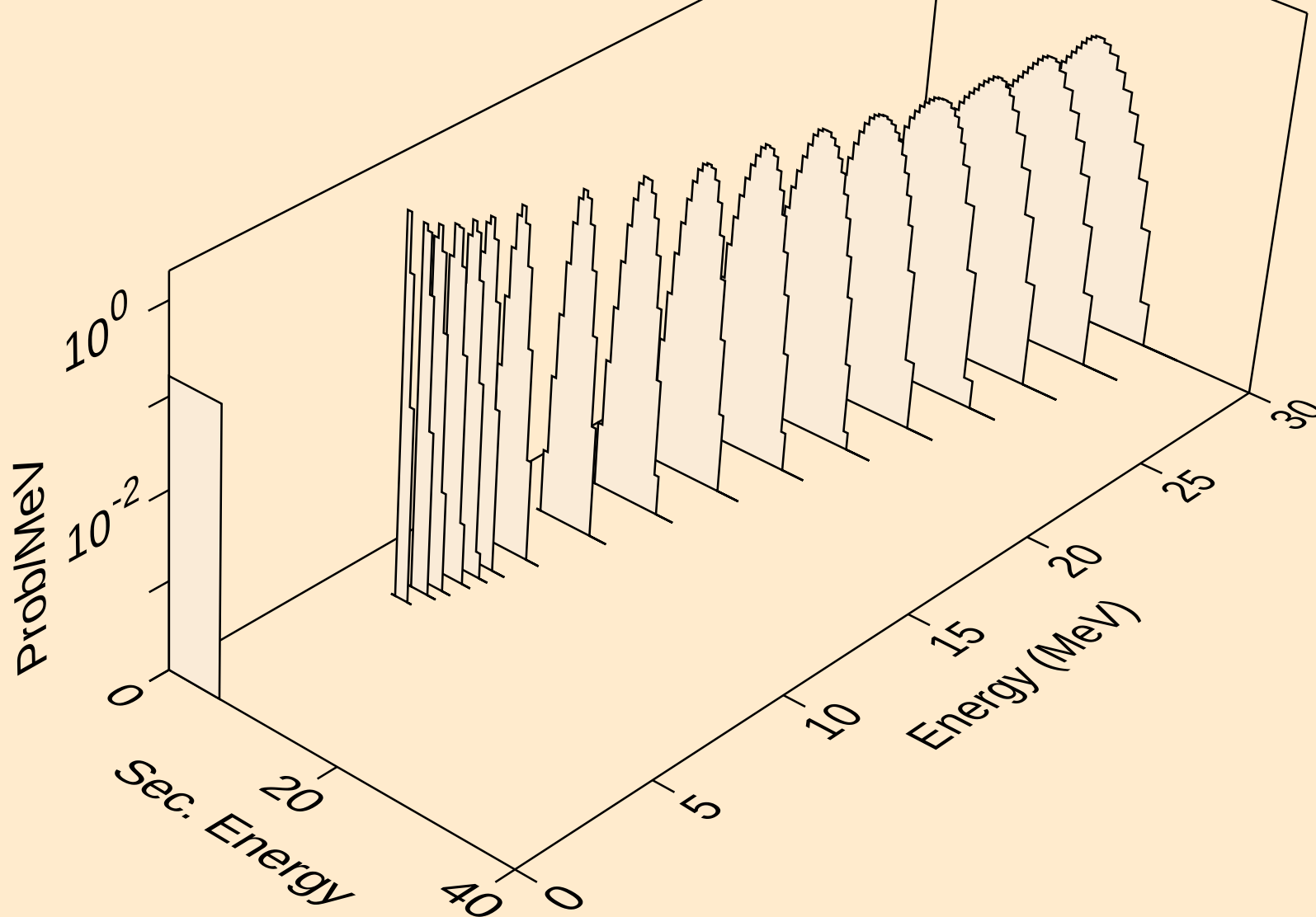
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)2a



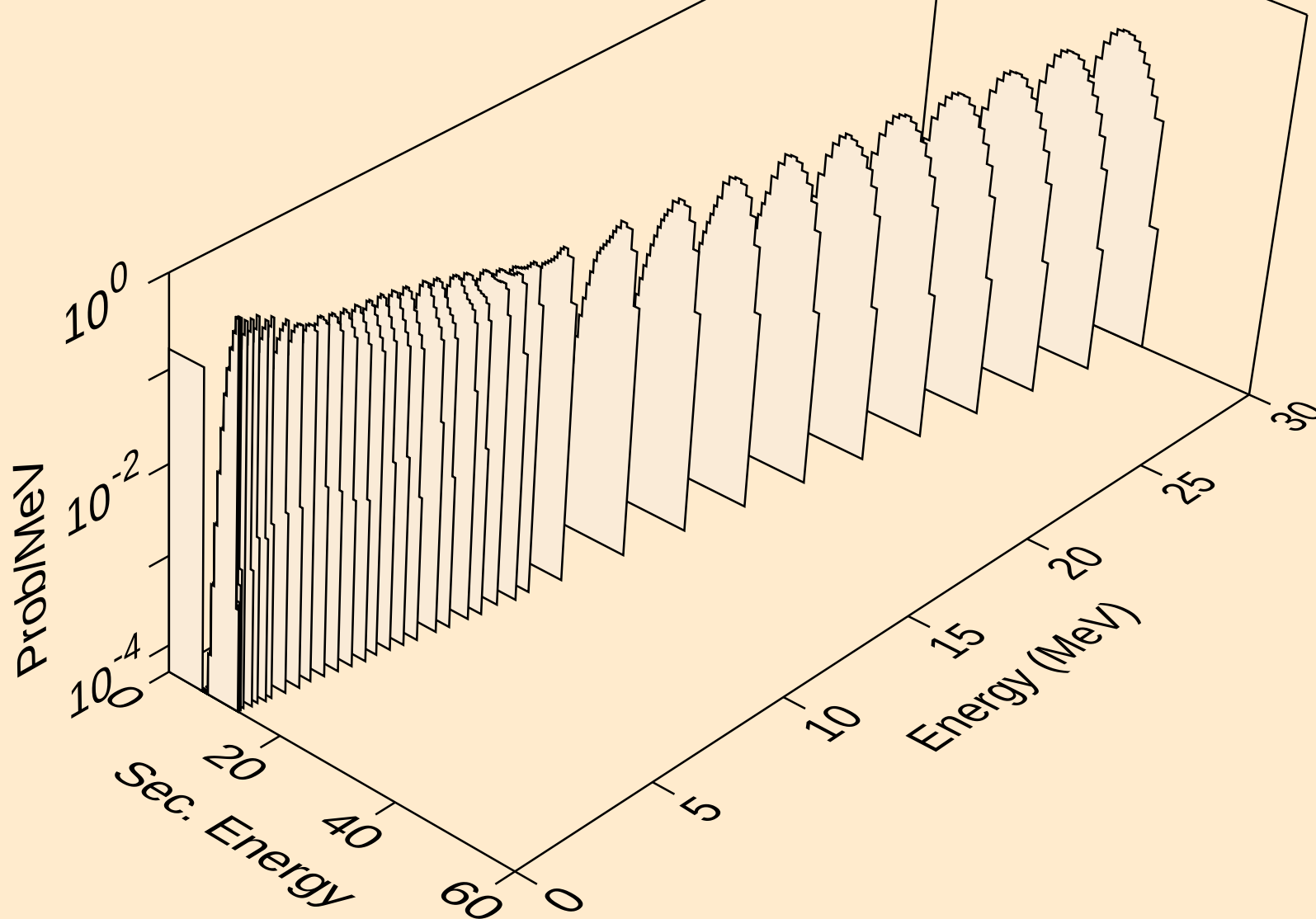
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2n)2a



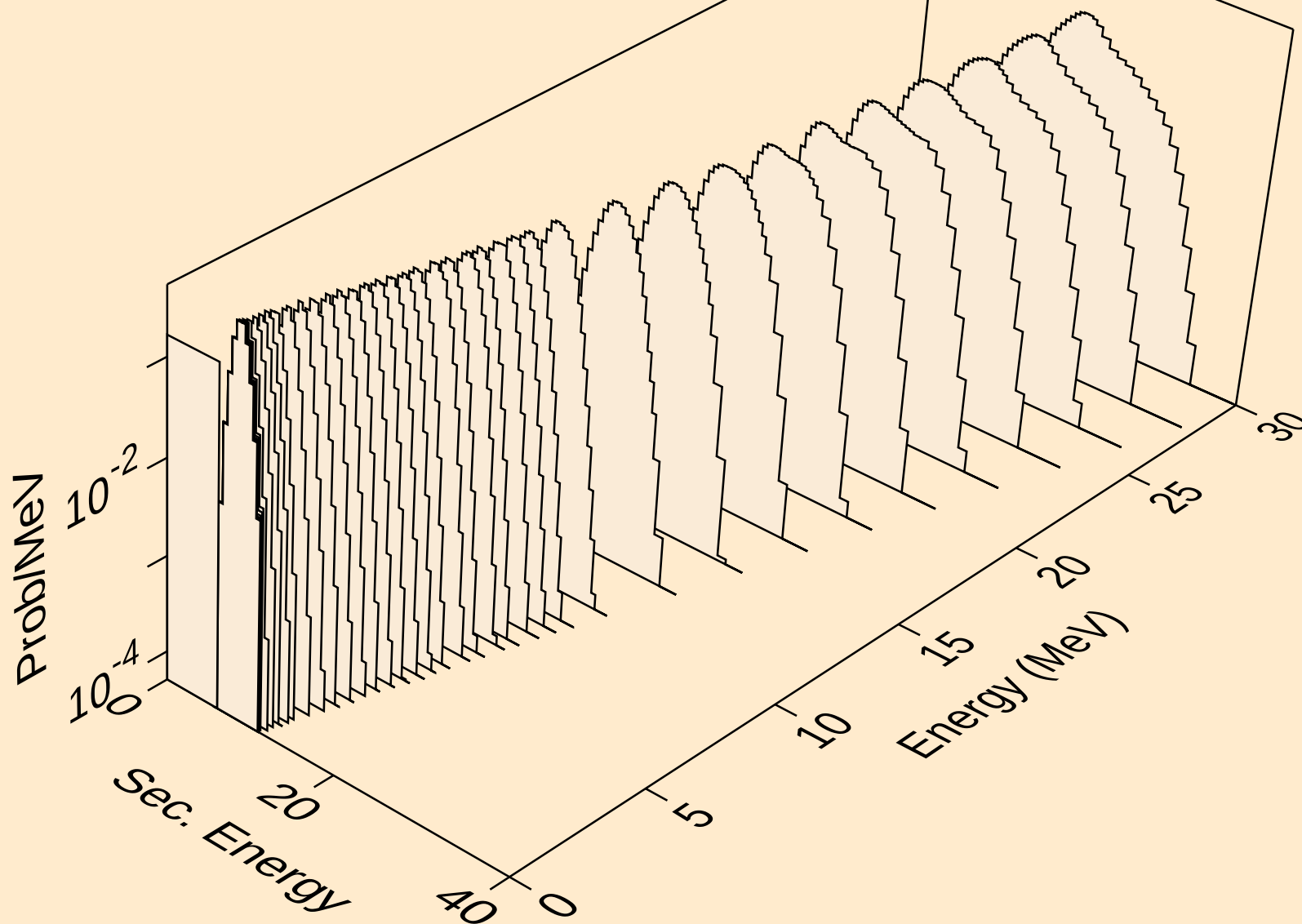
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,npa)



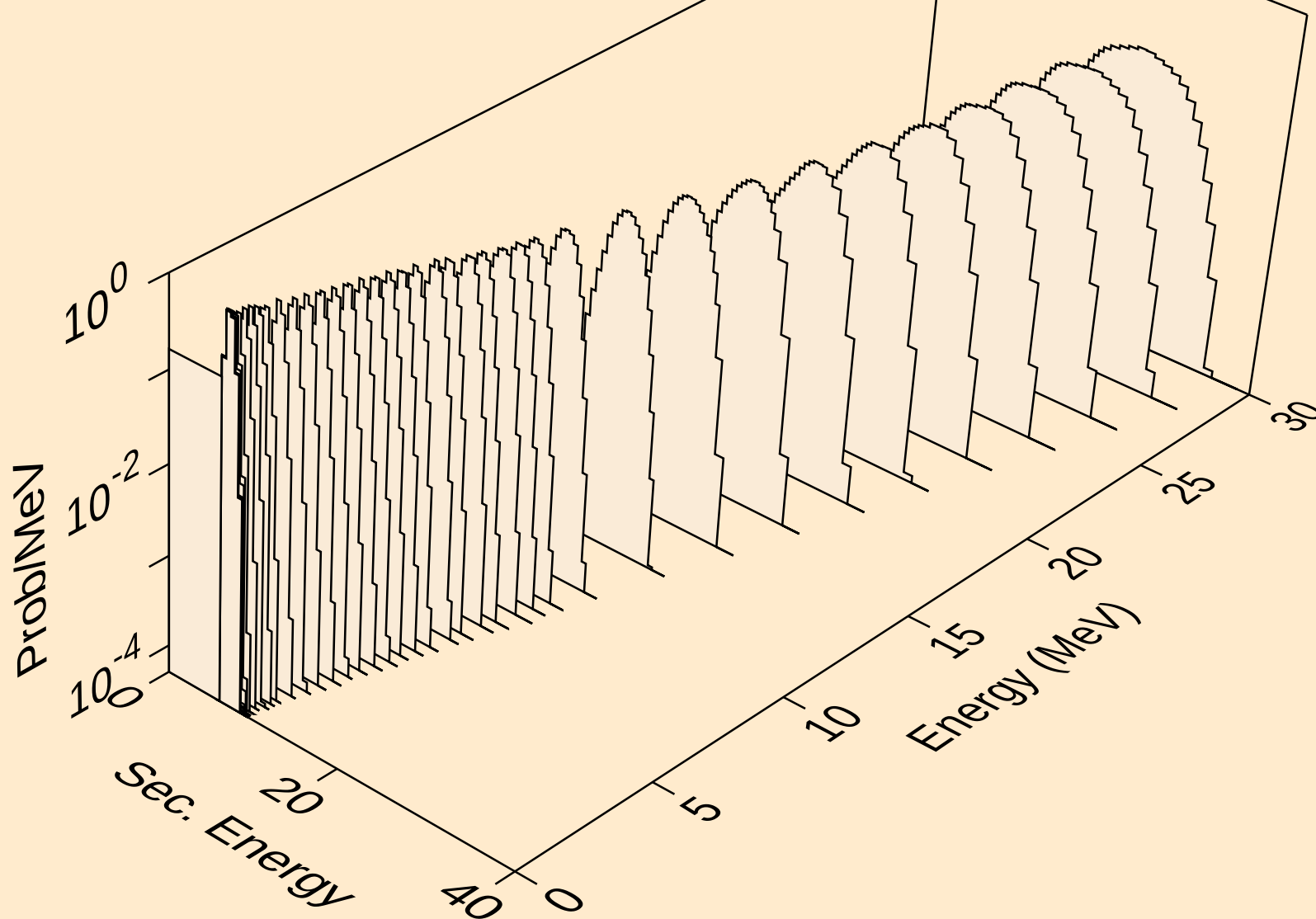
TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,a)



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2a)



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,pa)



TL189 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,da)

