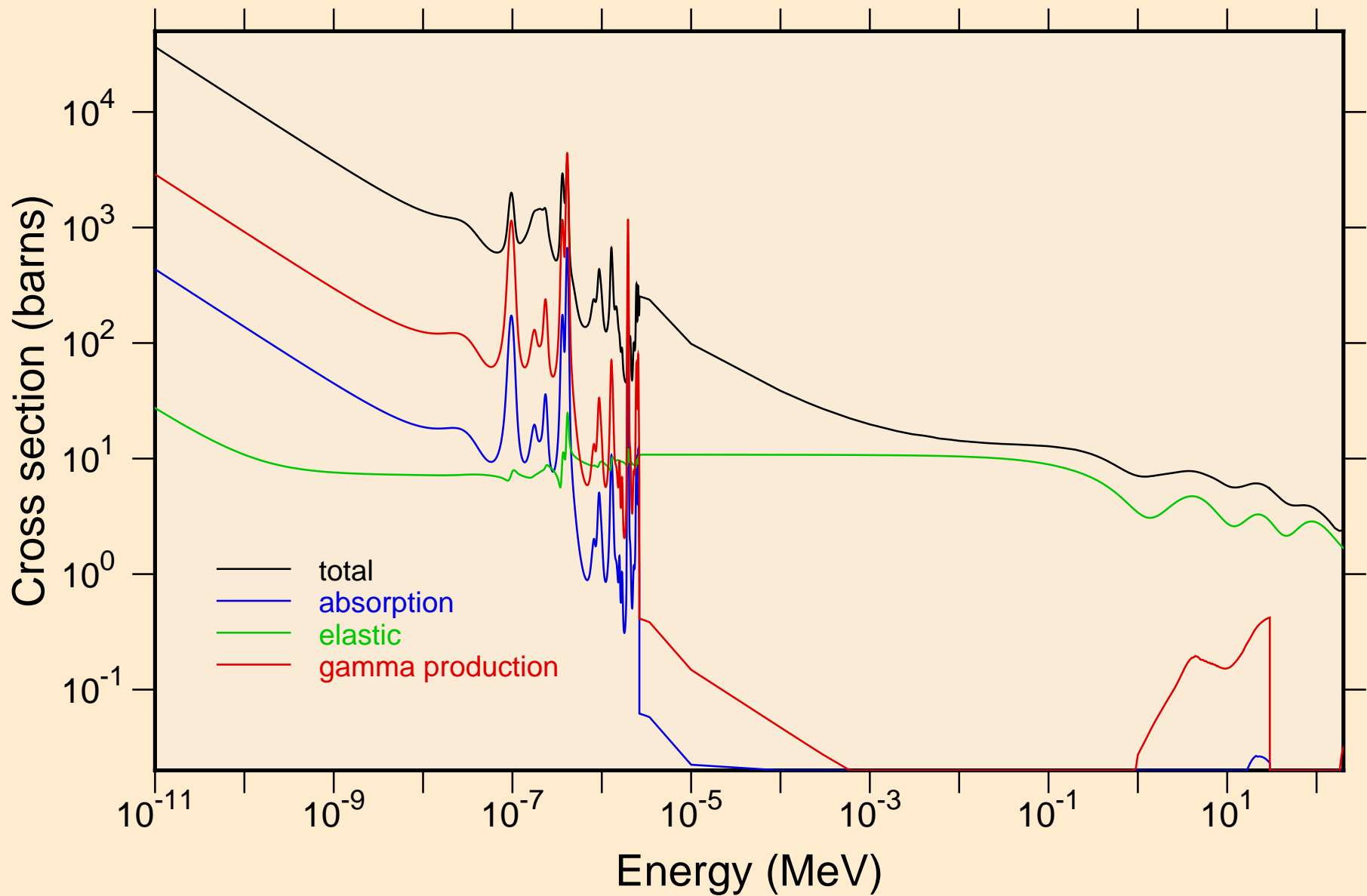
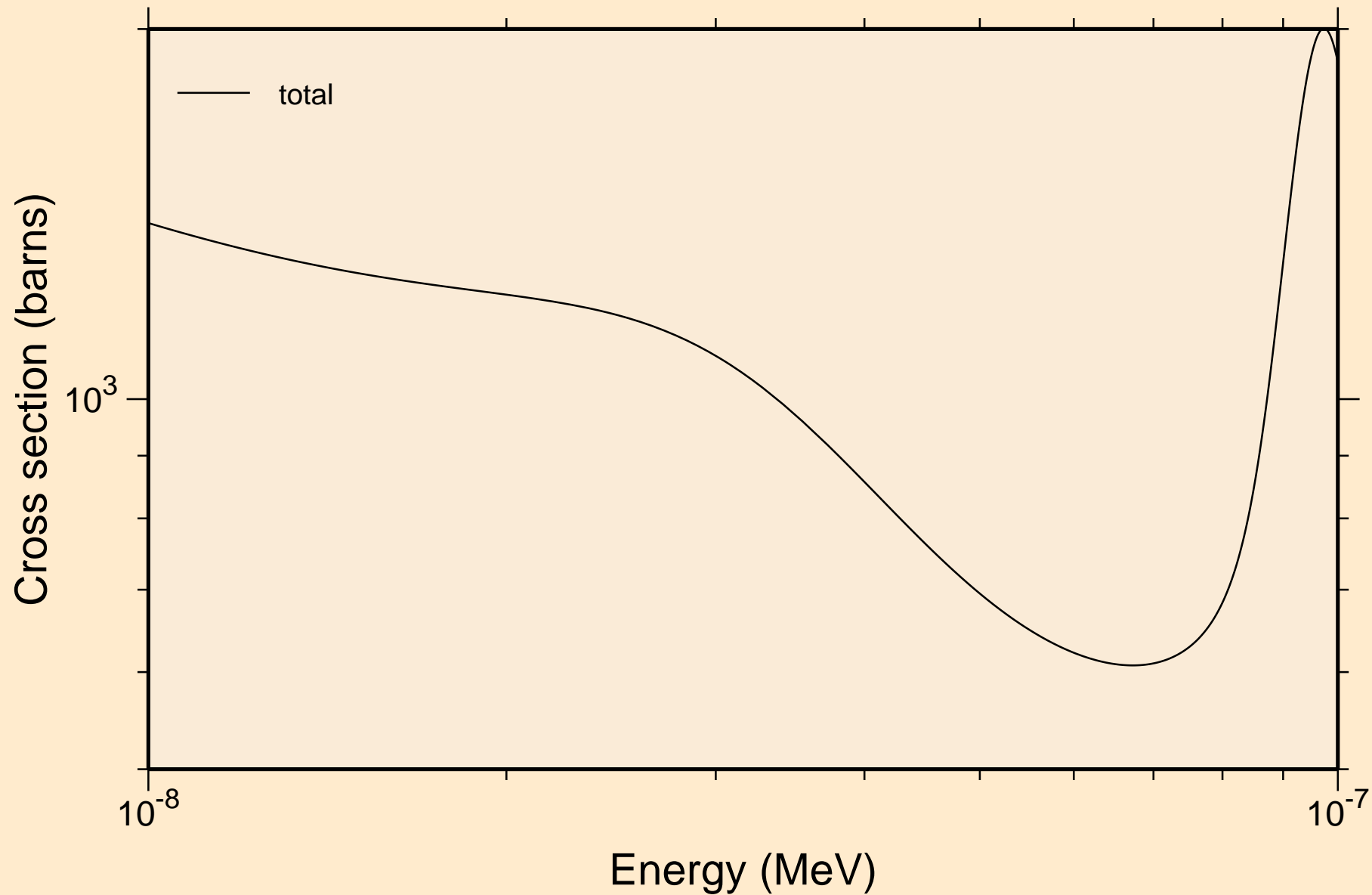


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

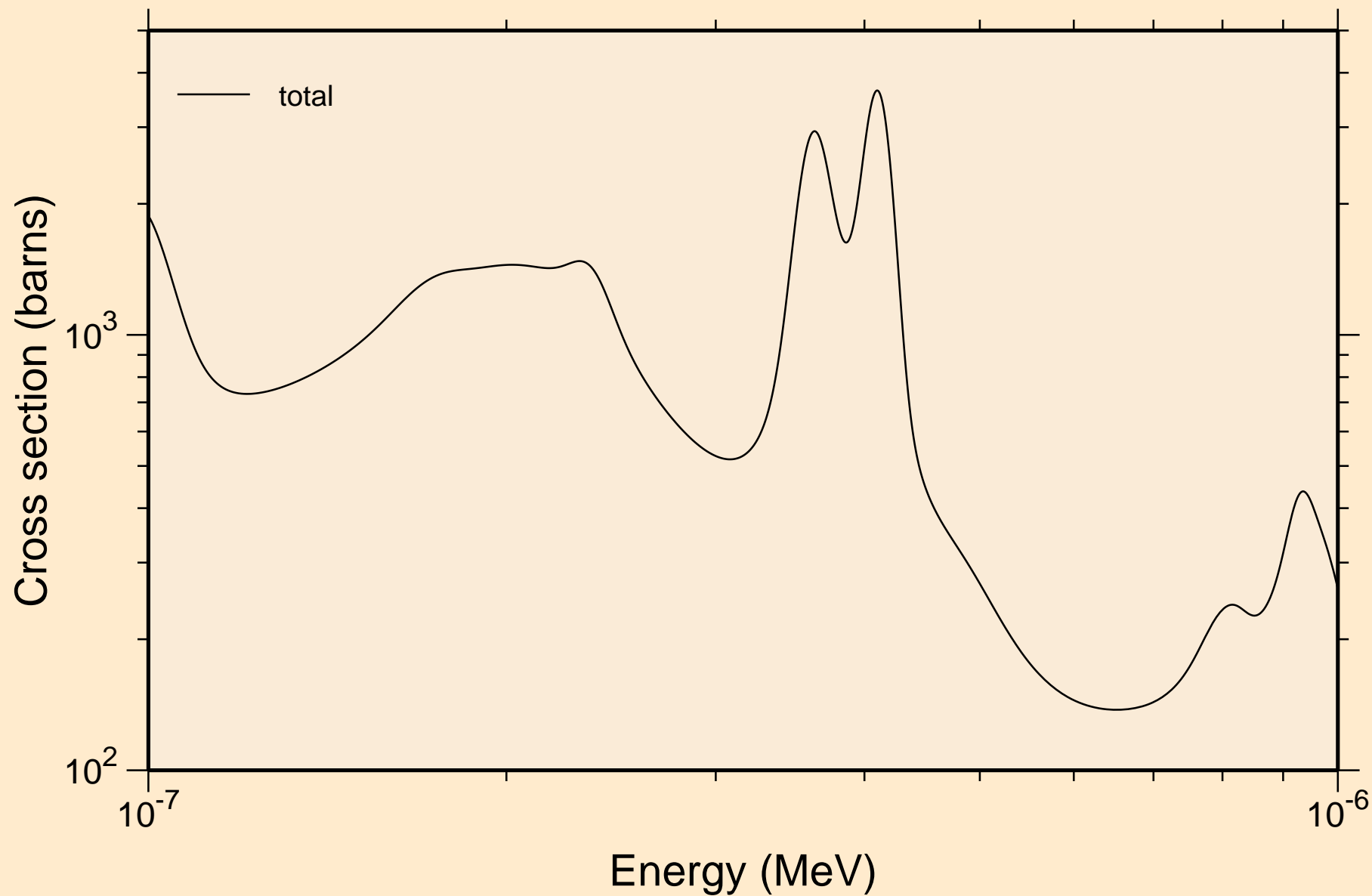
Principal cross sections



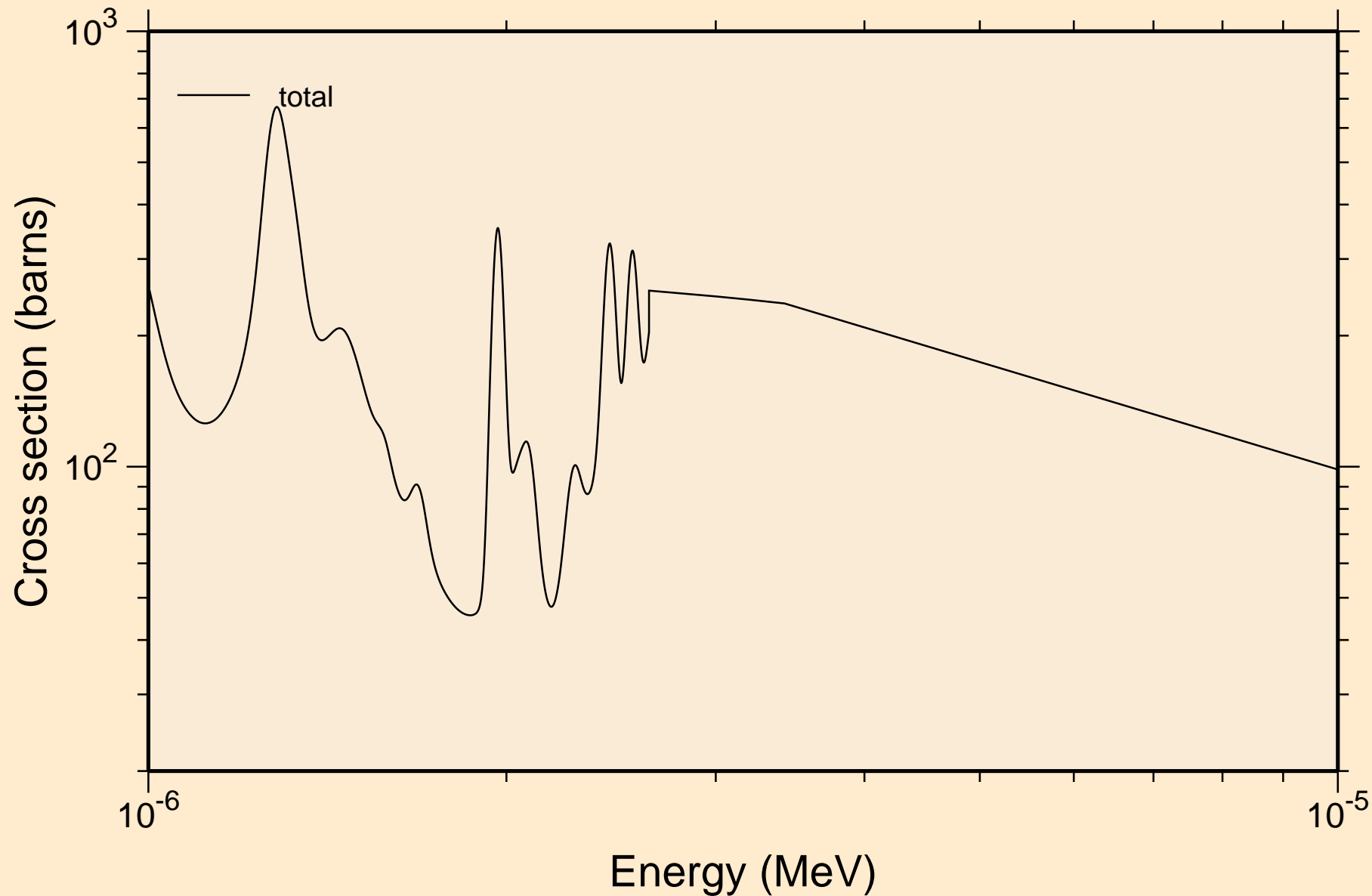
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



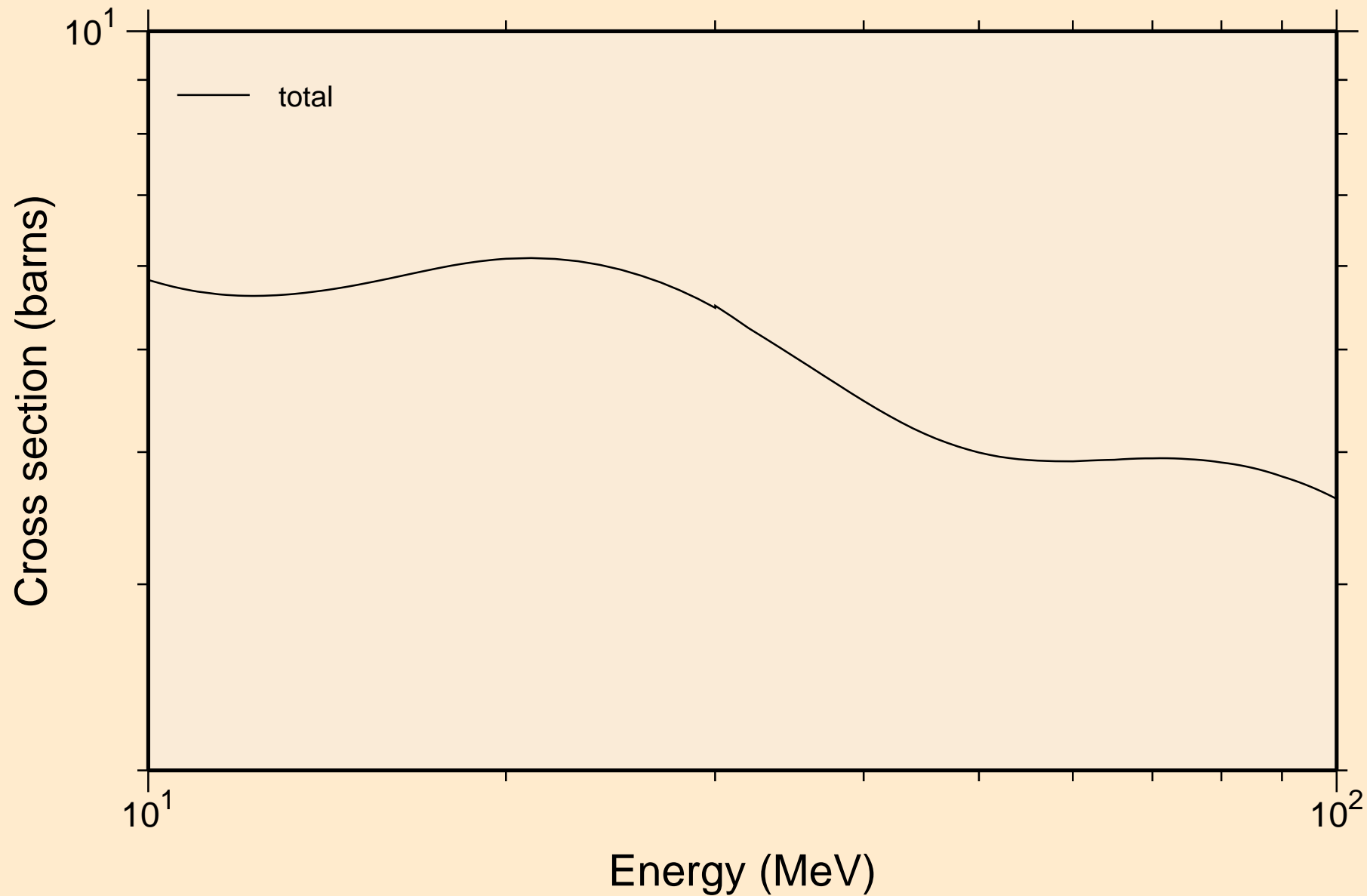
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



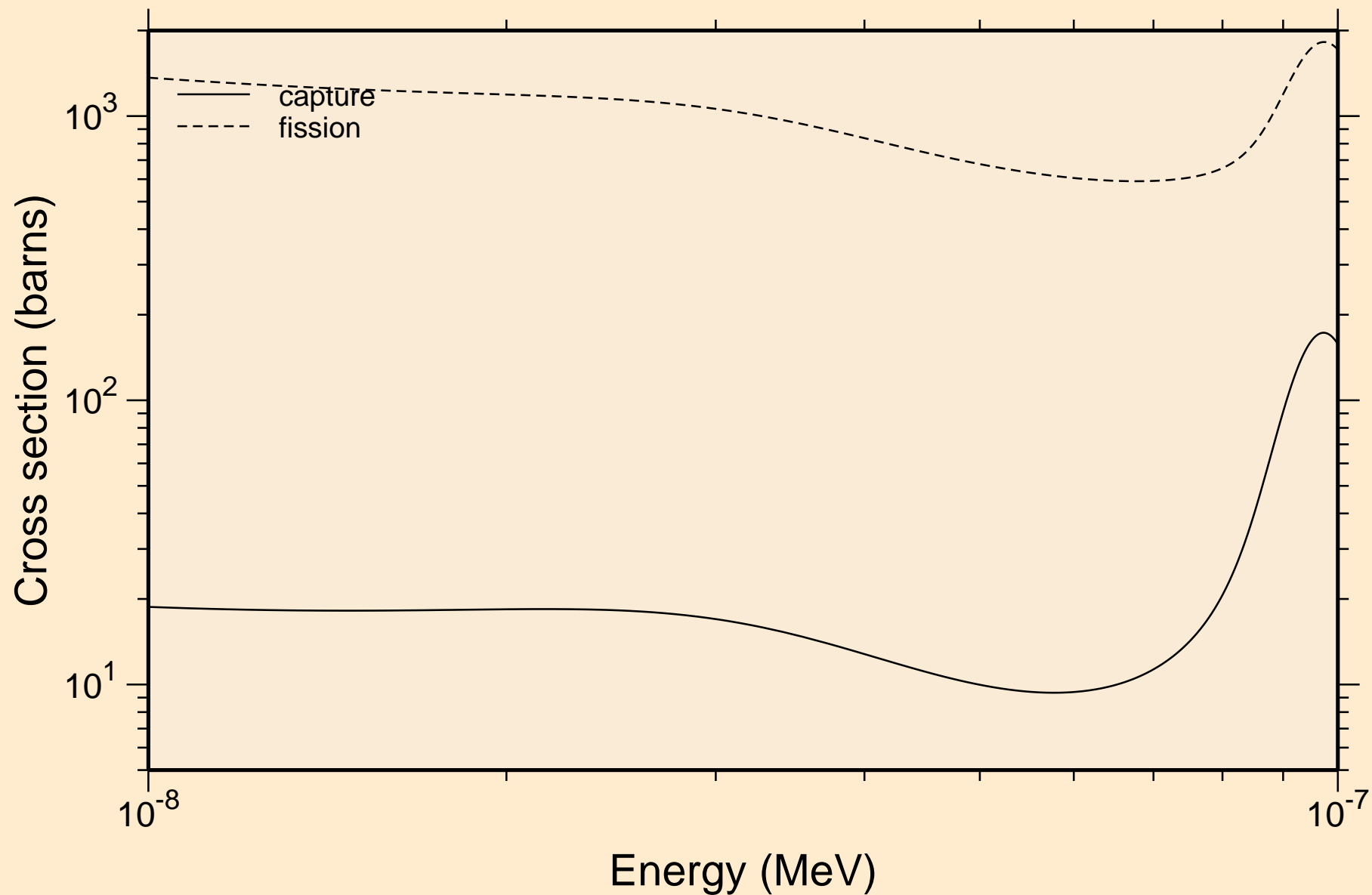
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resonance total cross section



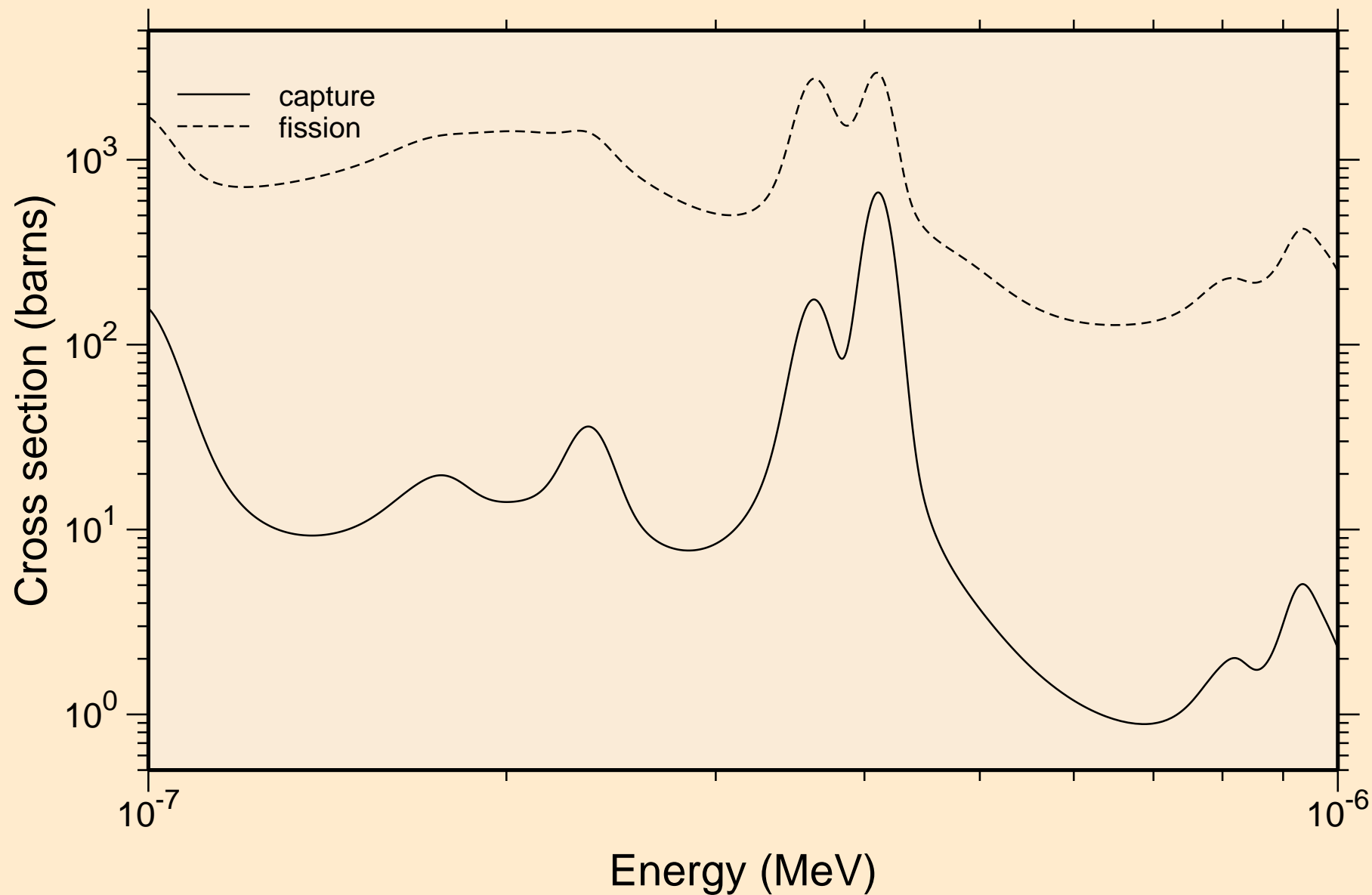
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resonance total cross section



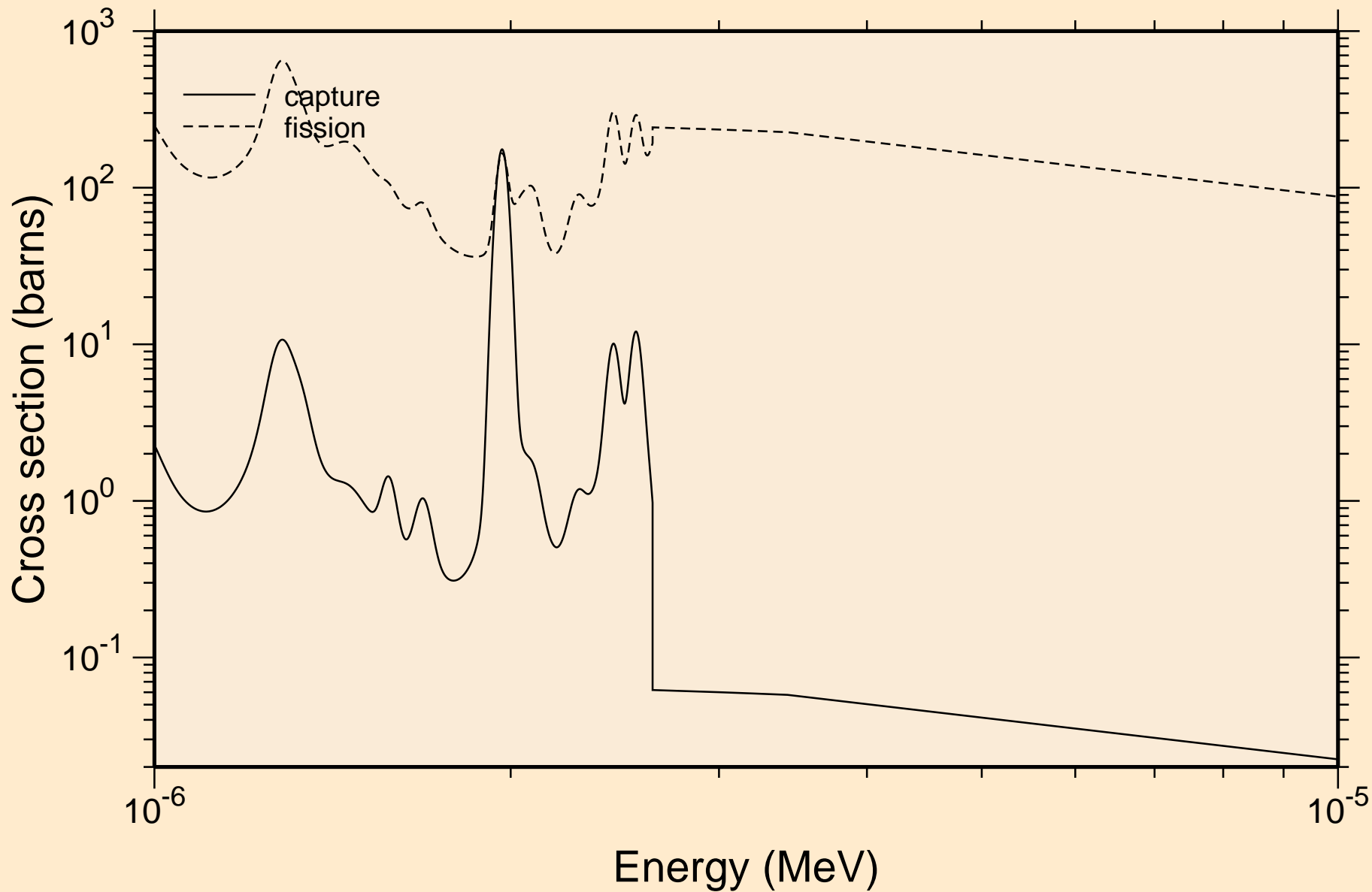
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resonance absorption cross sections



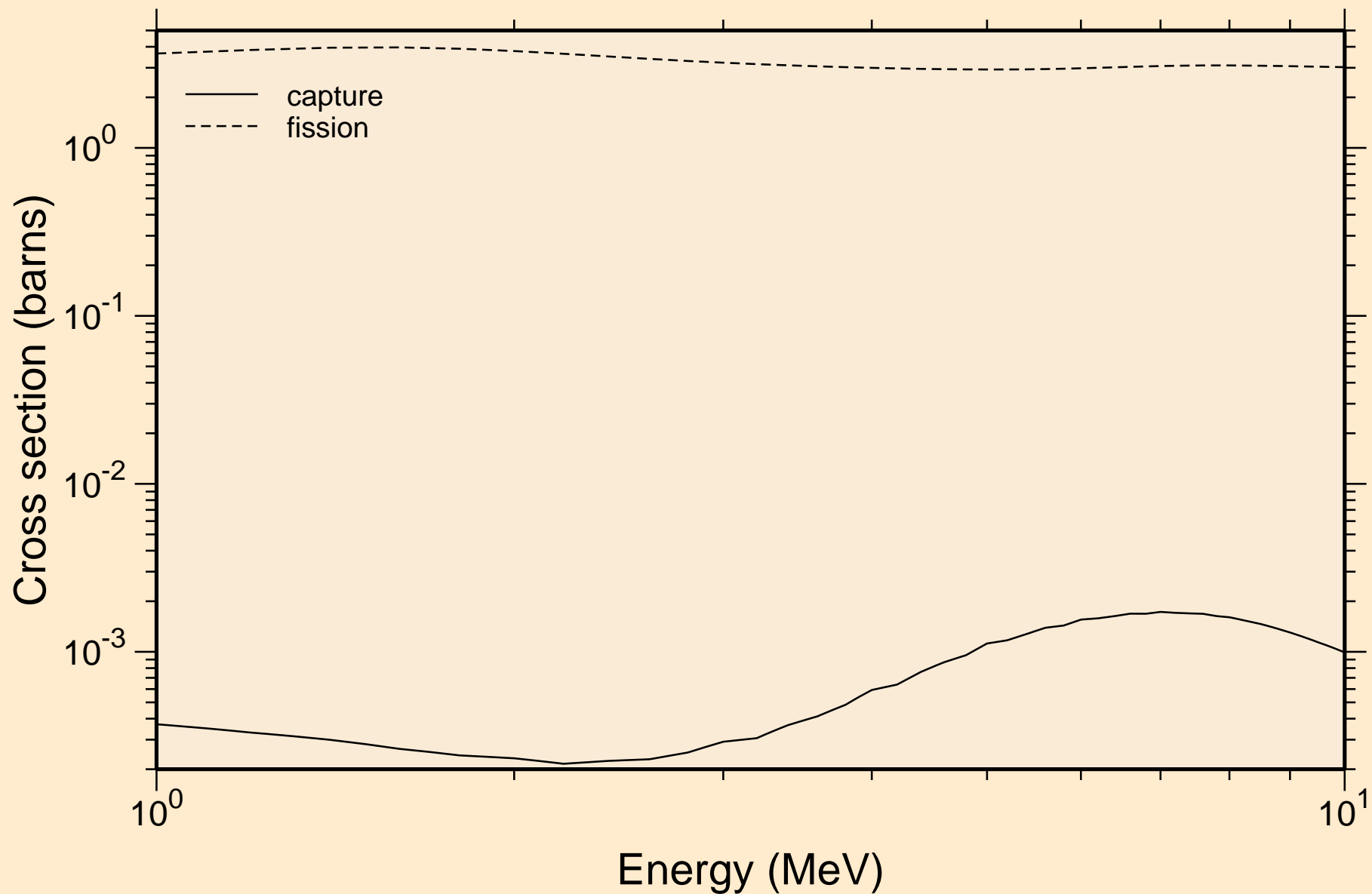
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



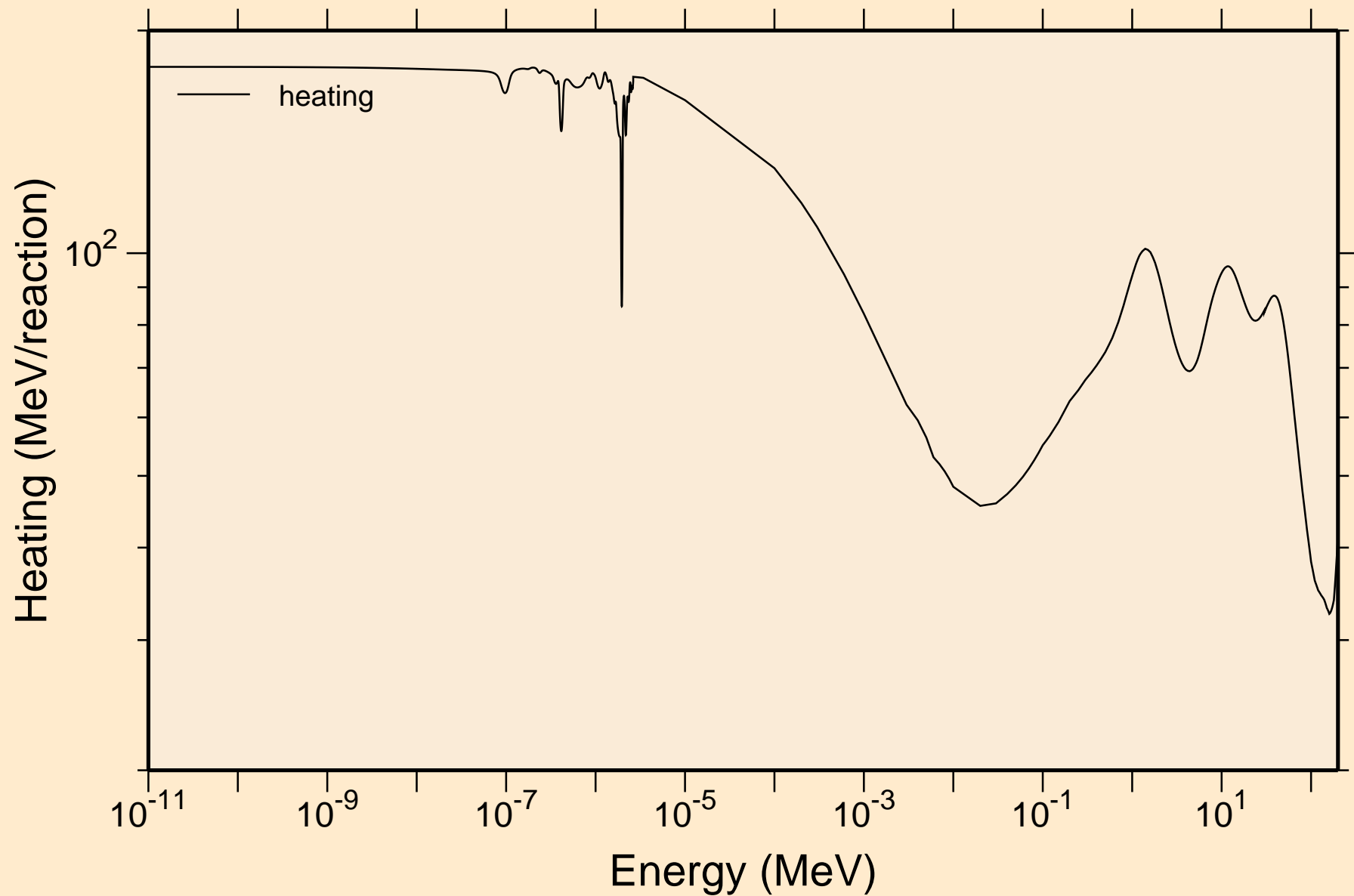
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



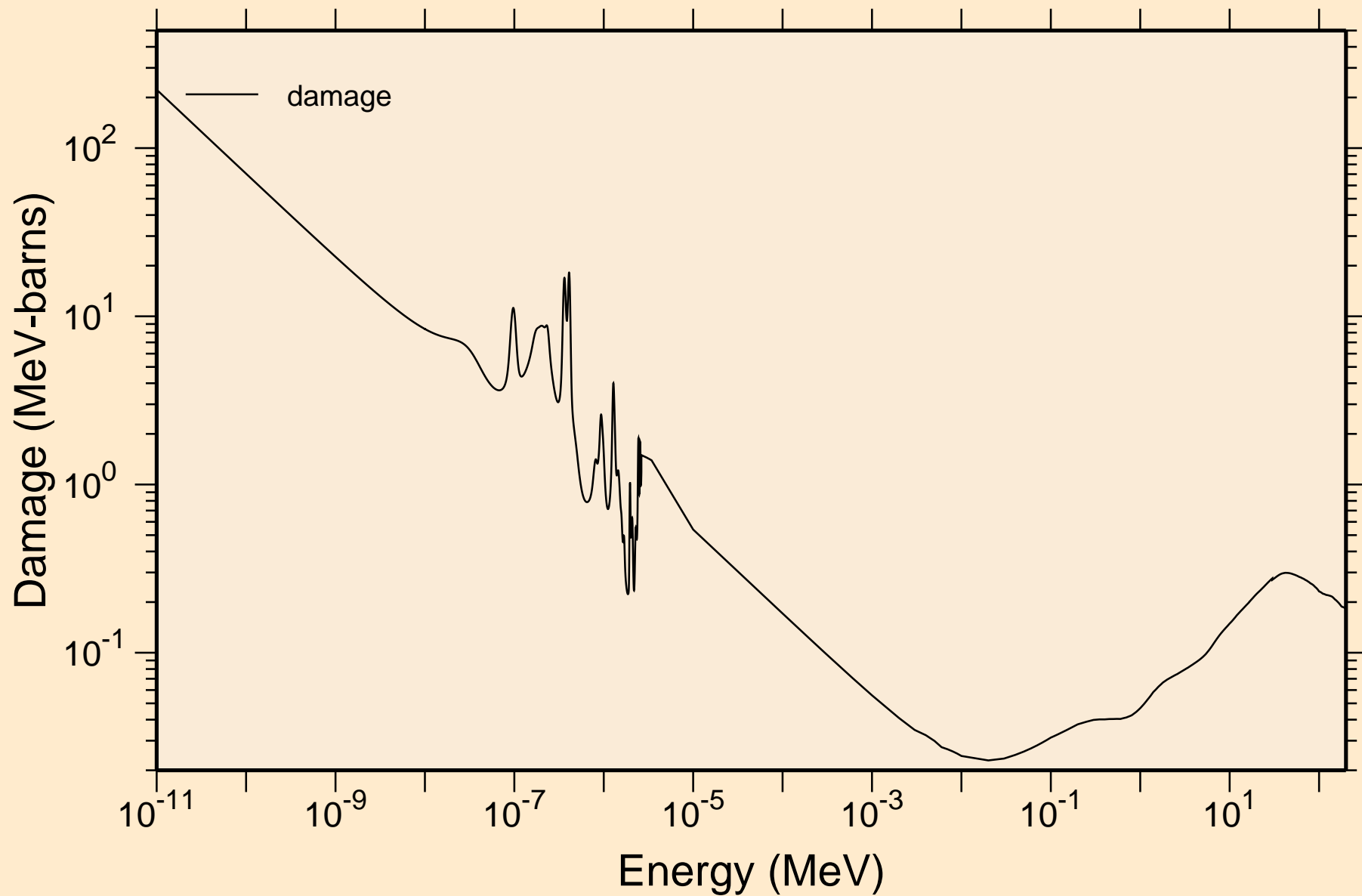
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

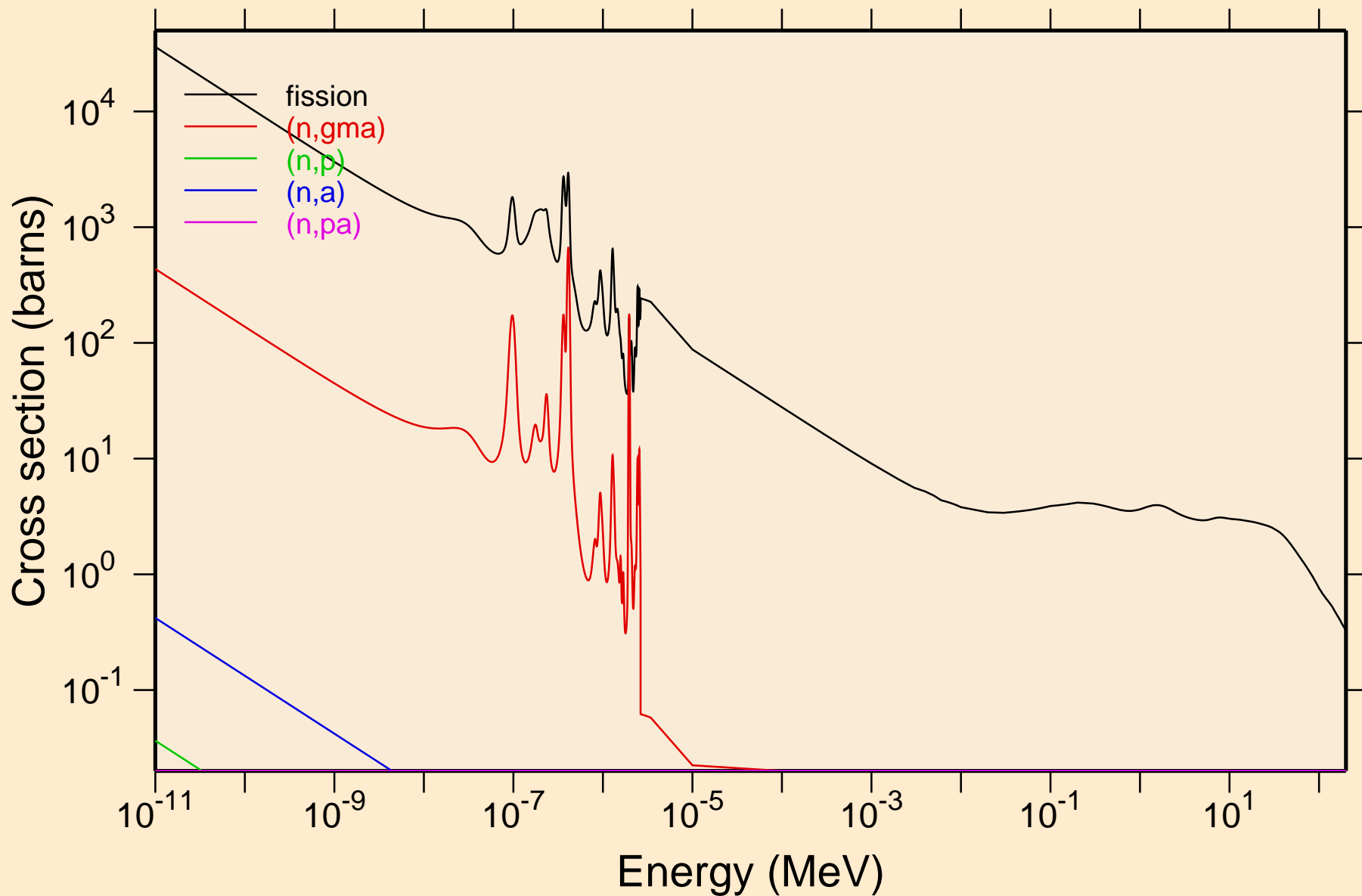


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage

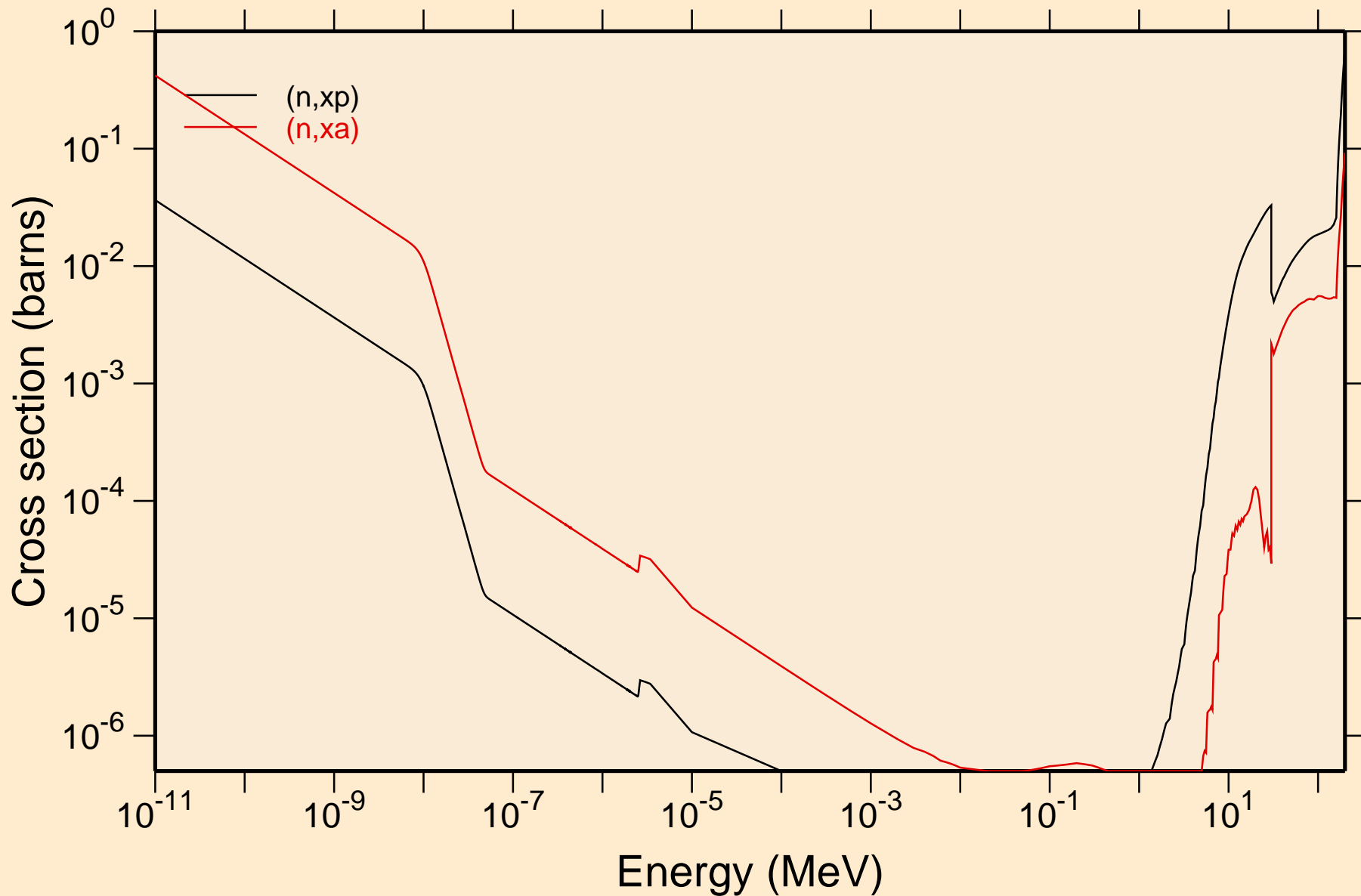


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

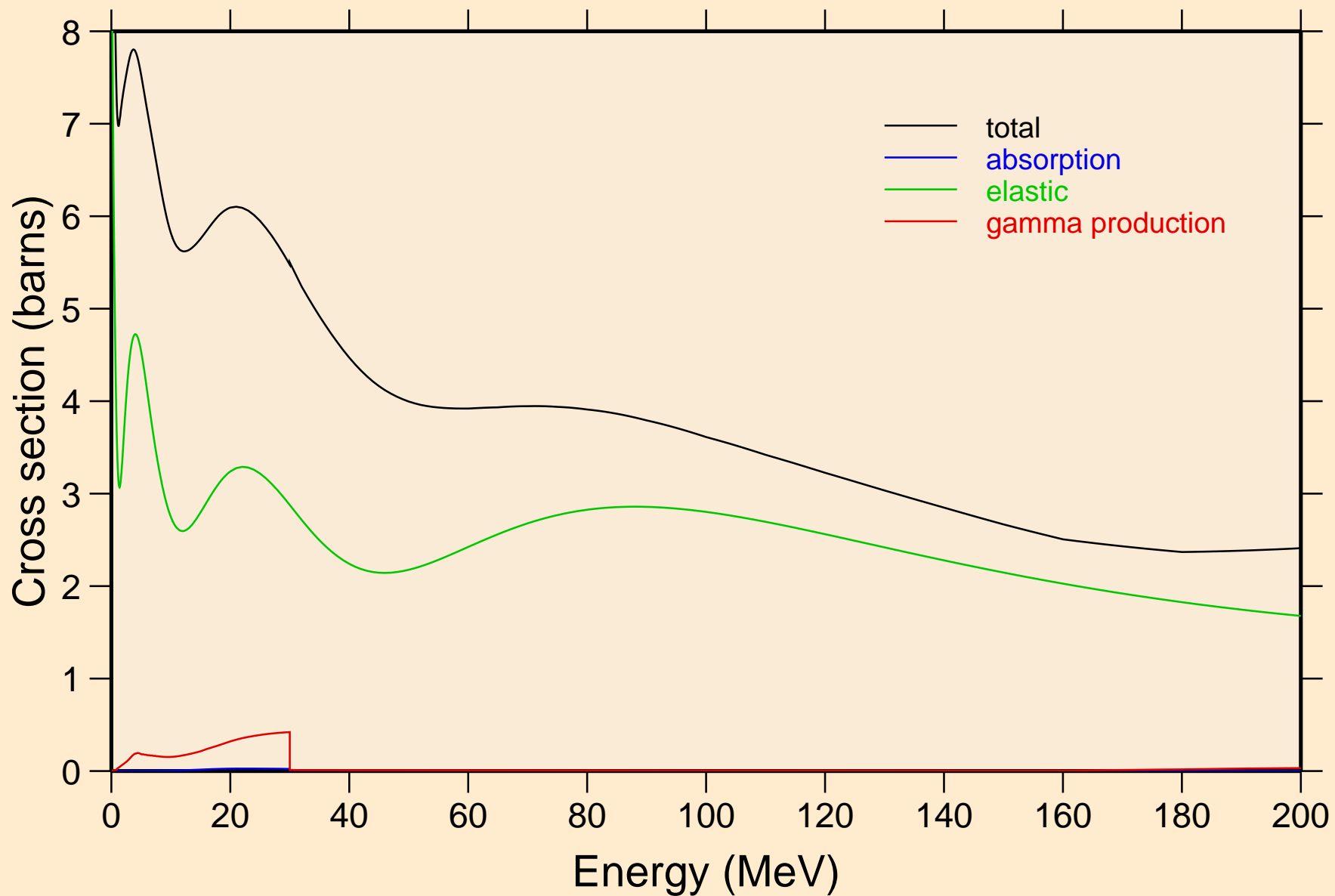


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

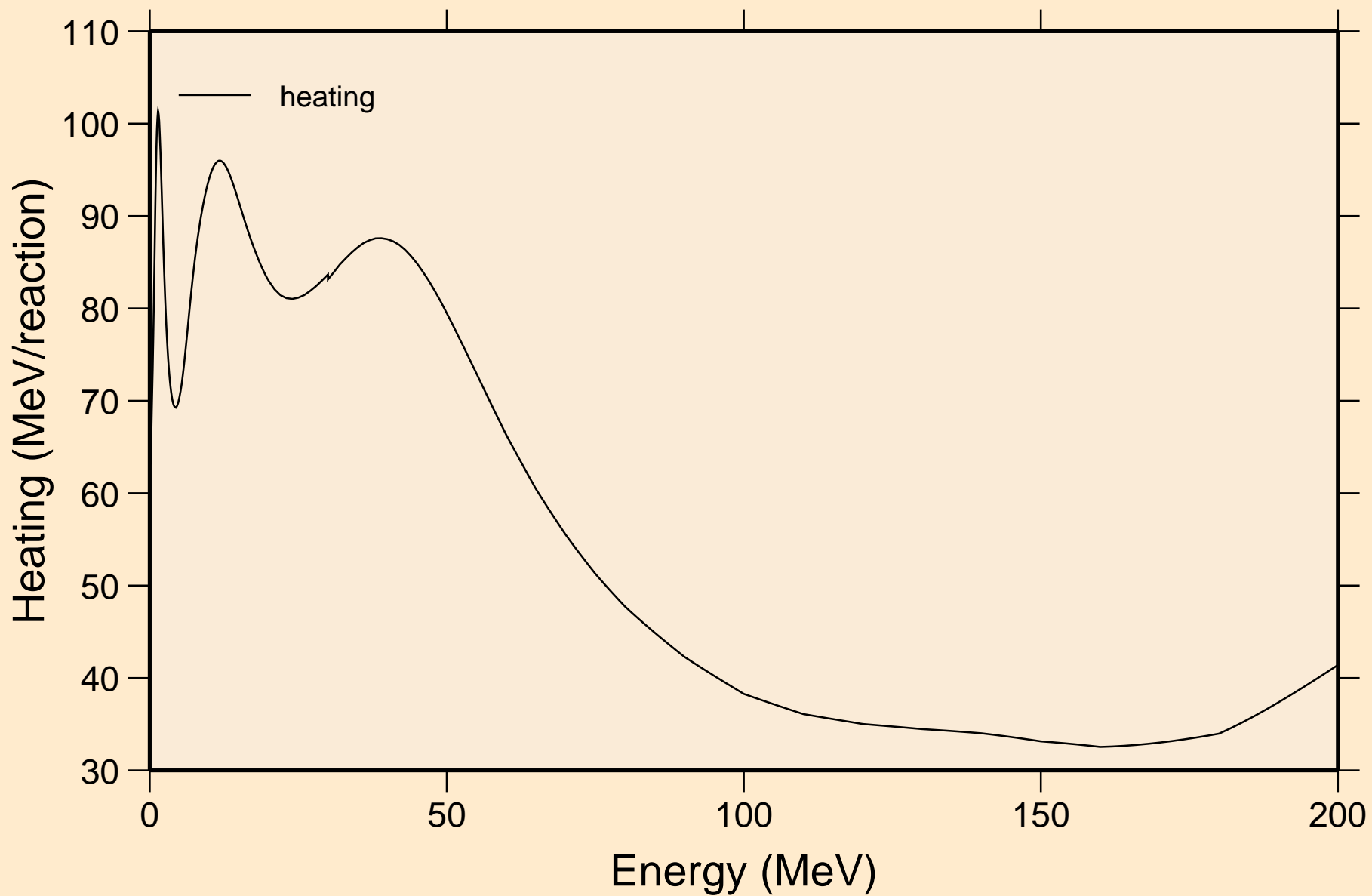


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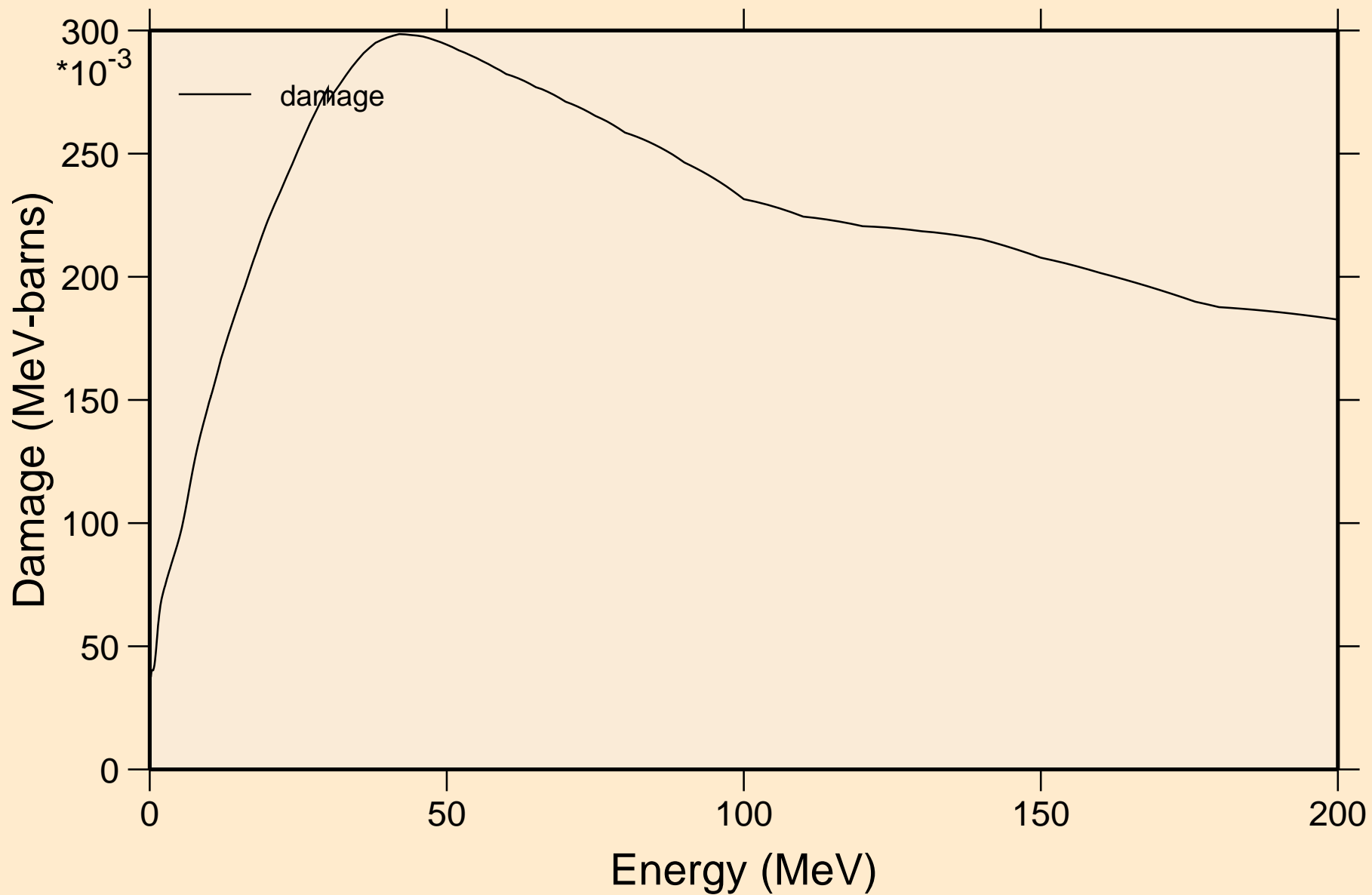
Principal cross sections



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

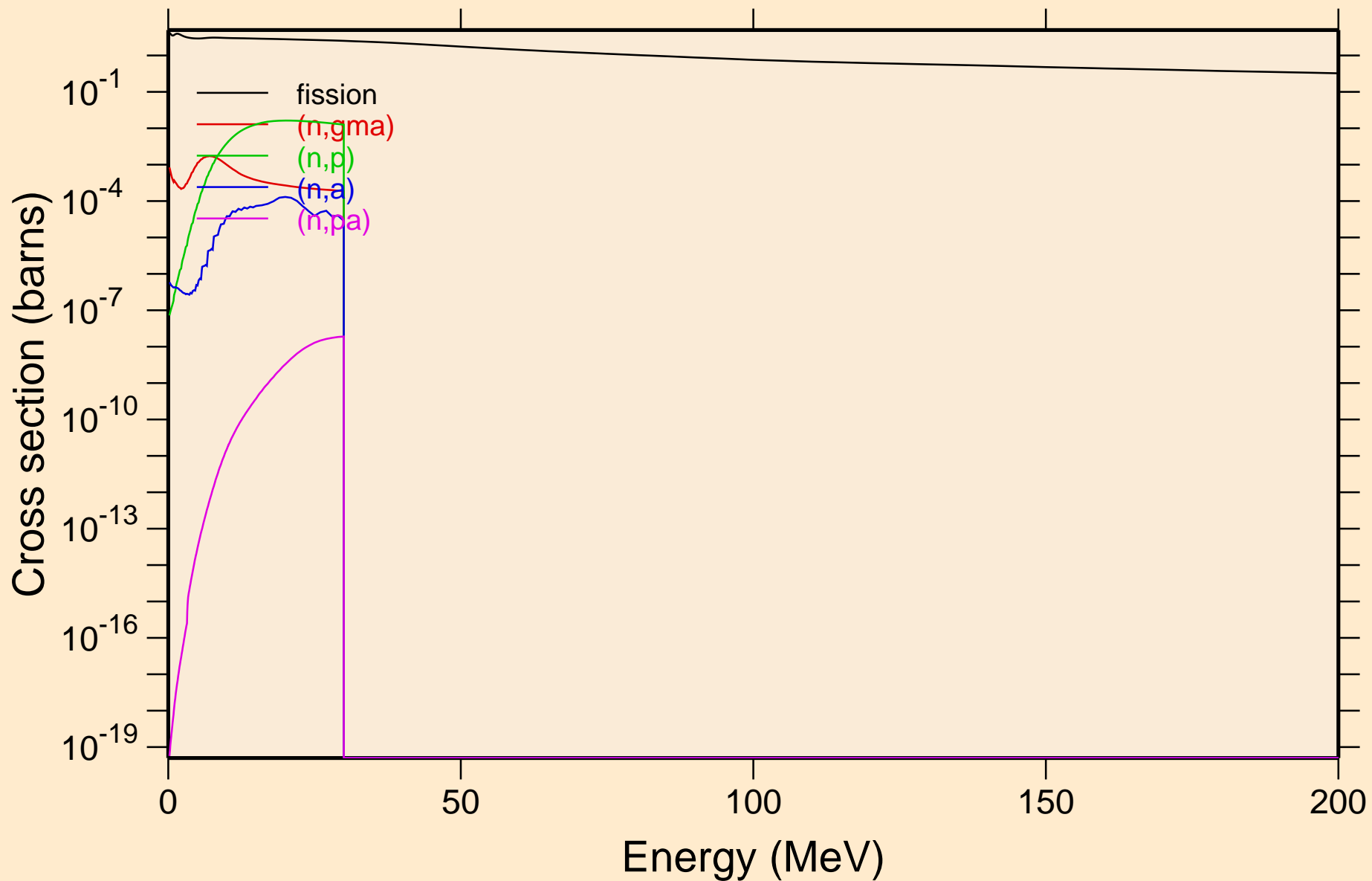


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Damage

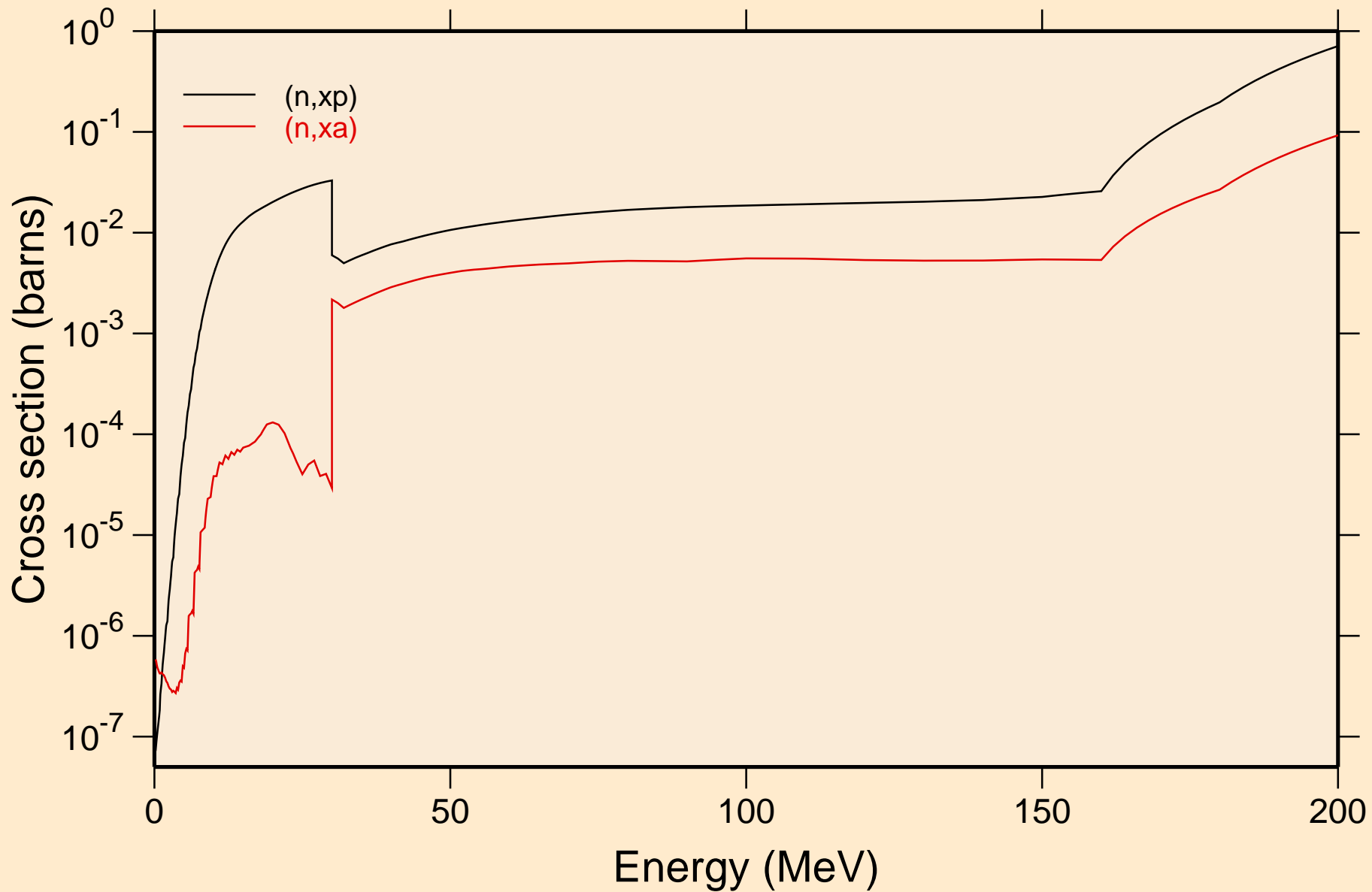


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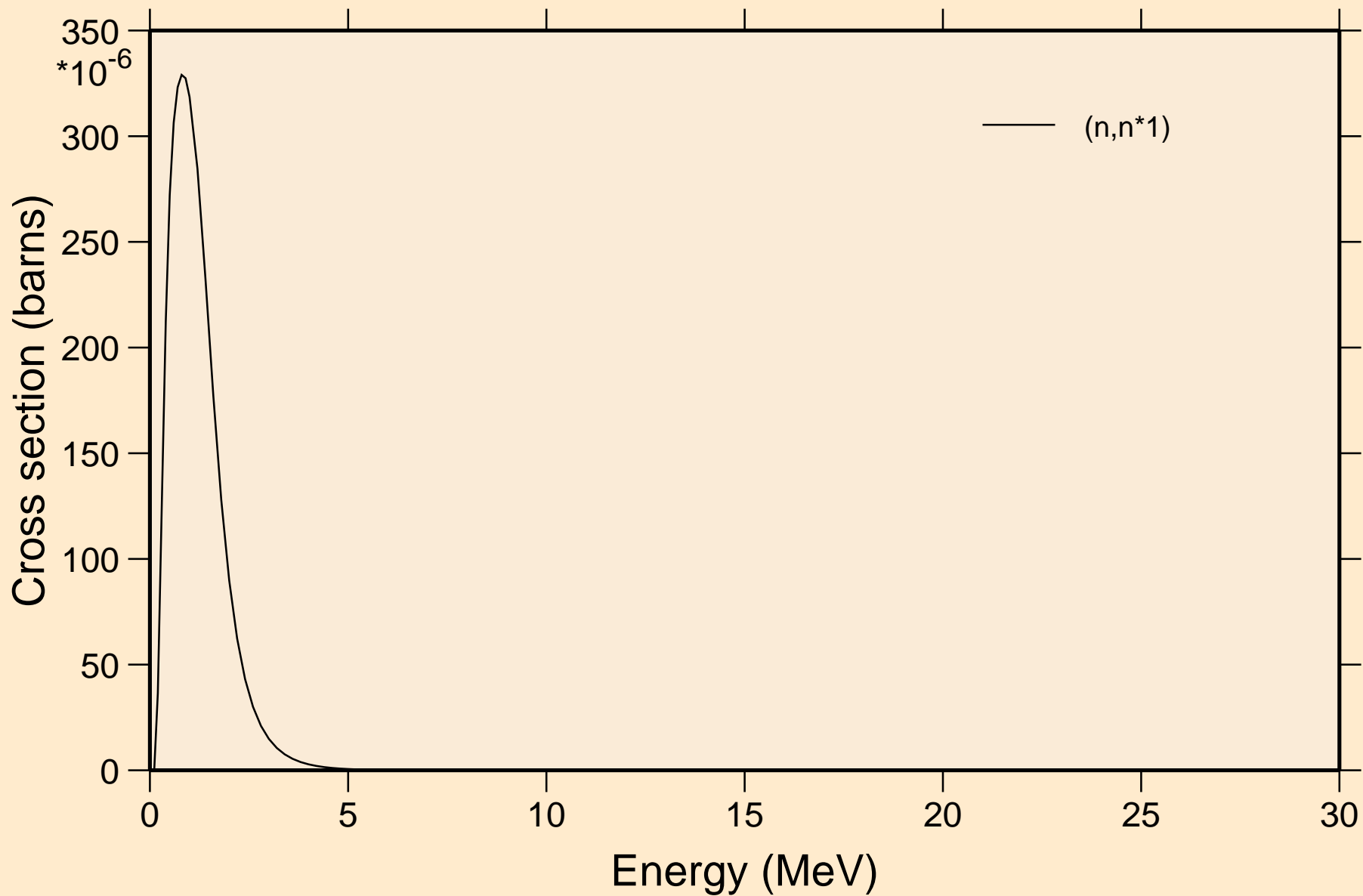
Non-threshold reactions



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

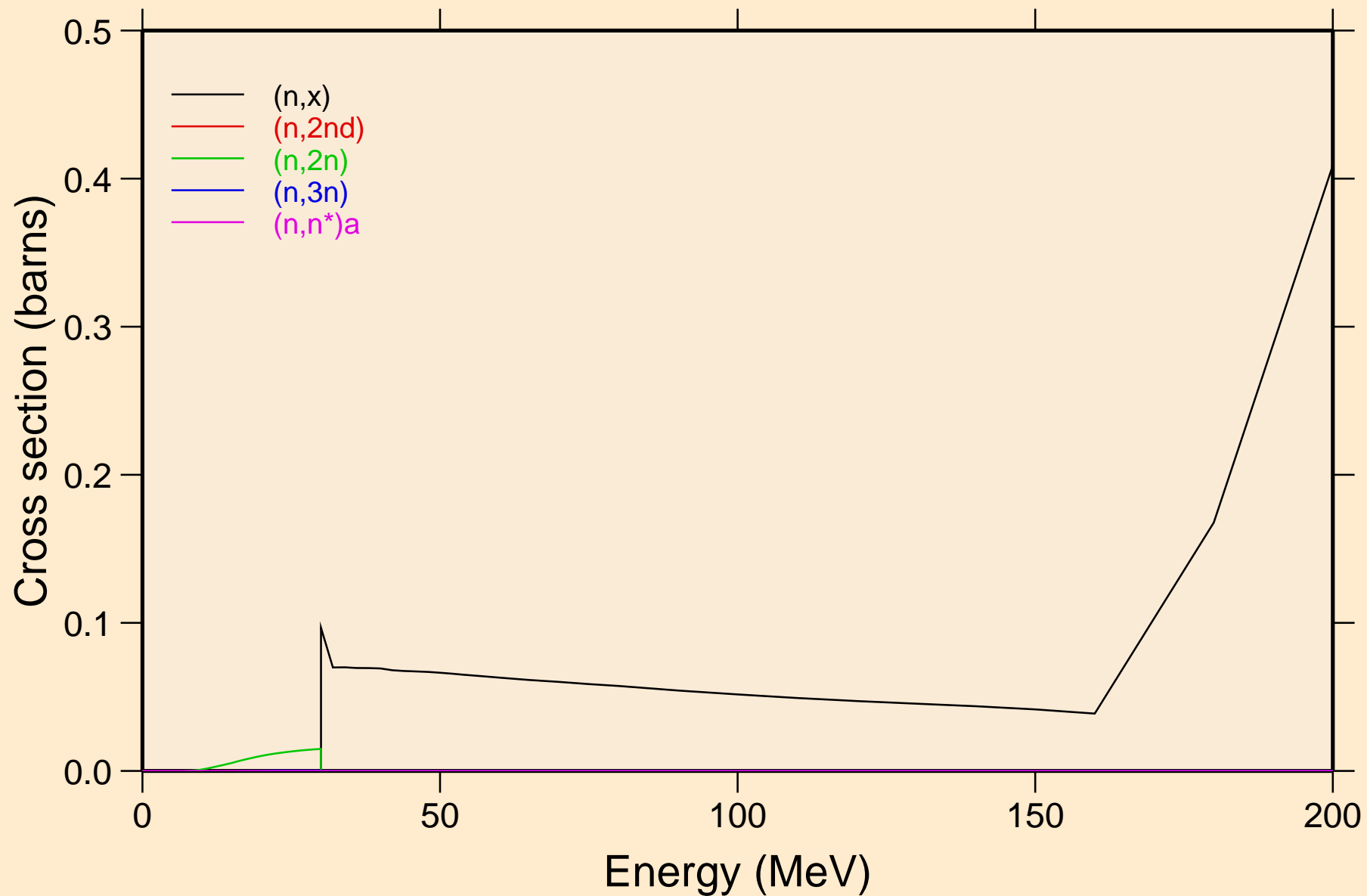


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

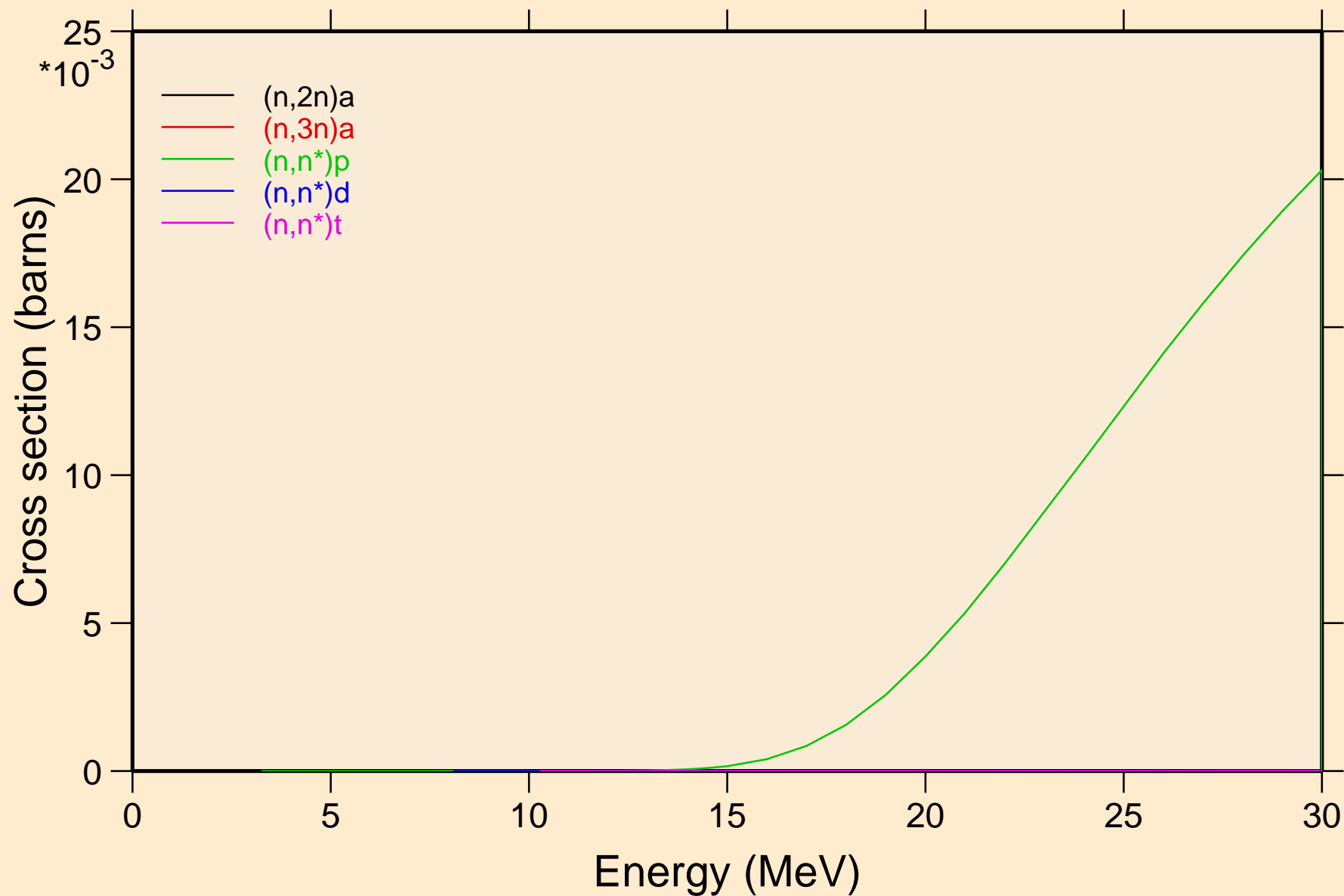


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

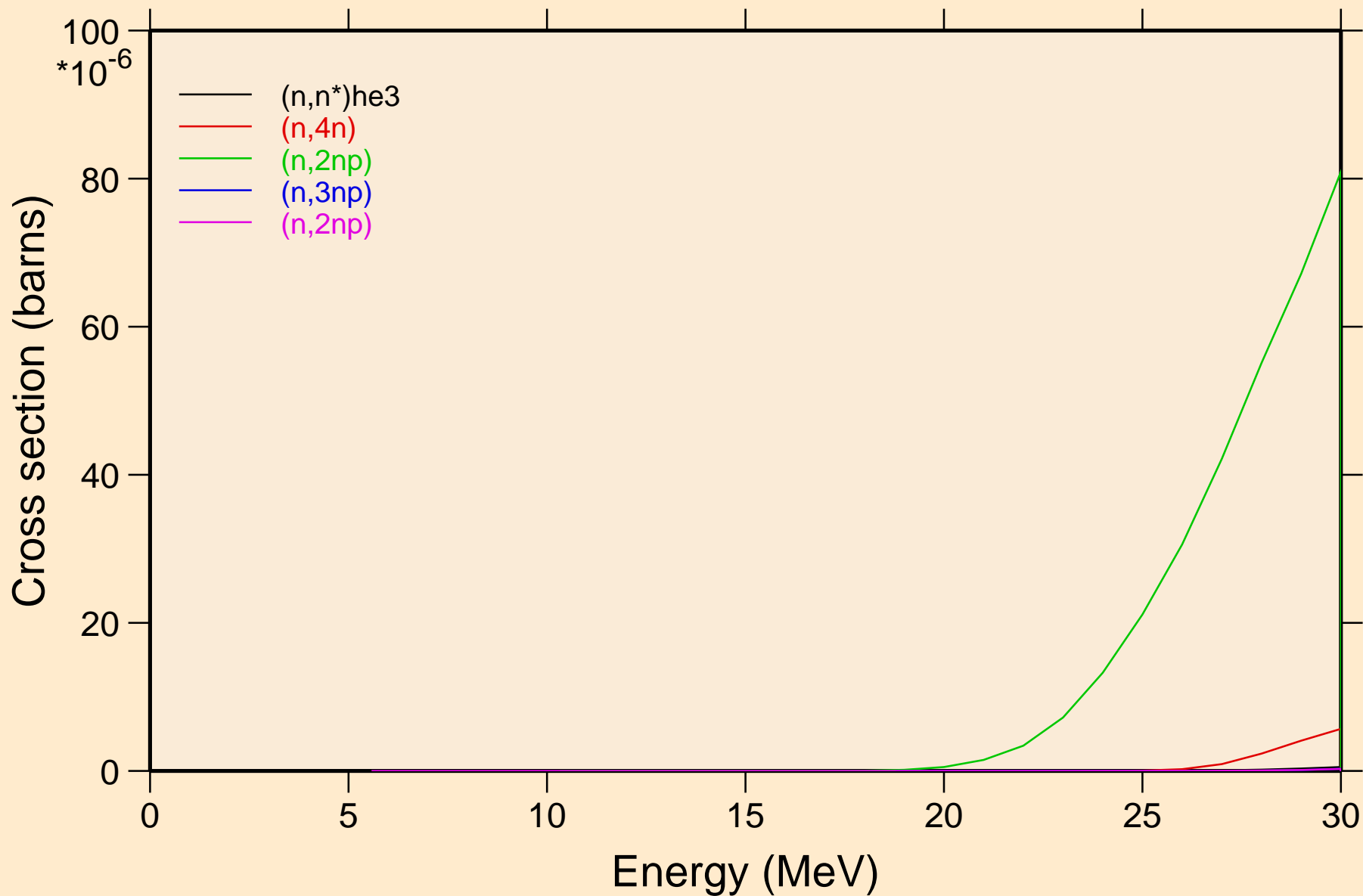
Threshold reactions



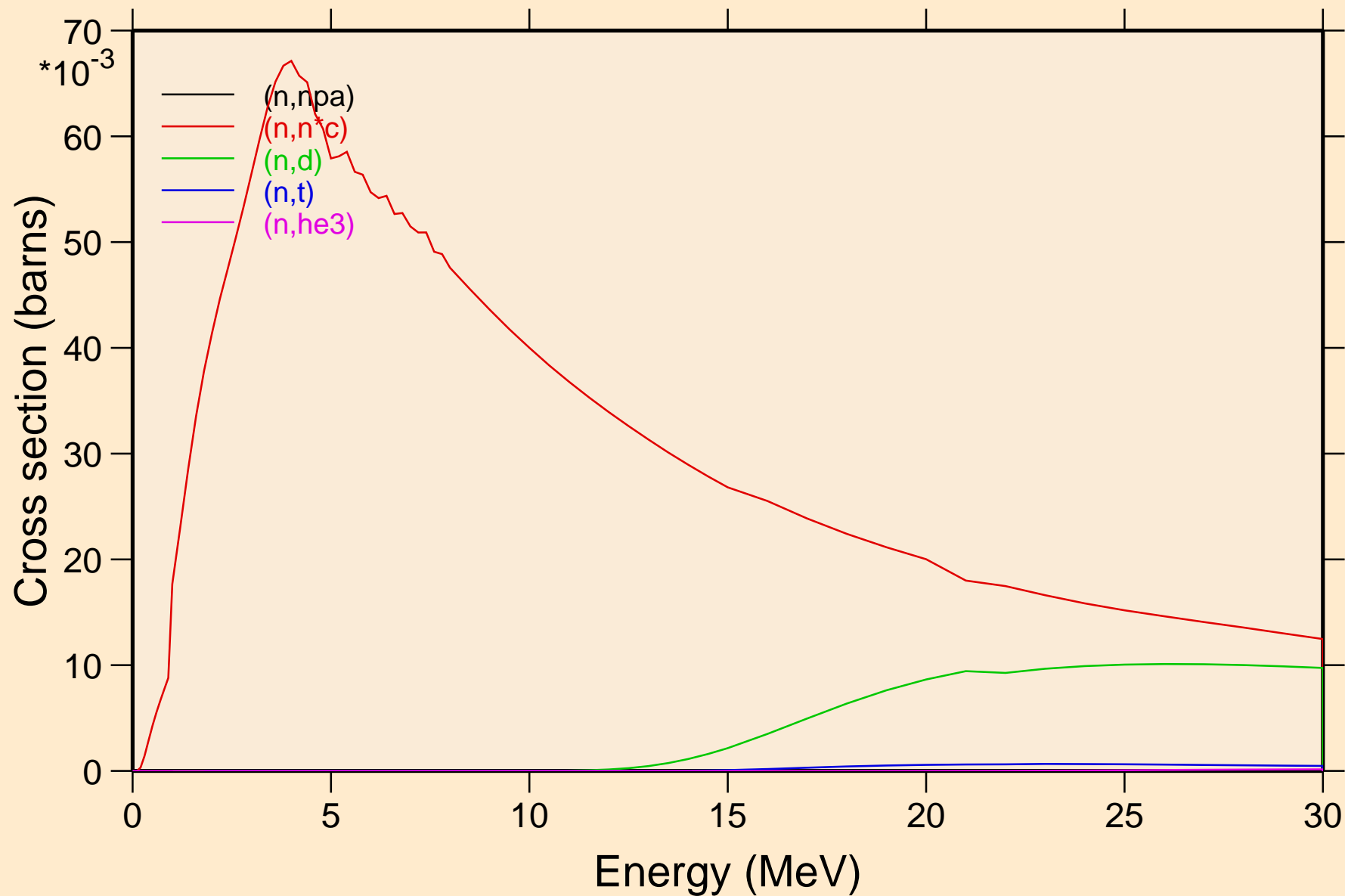
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



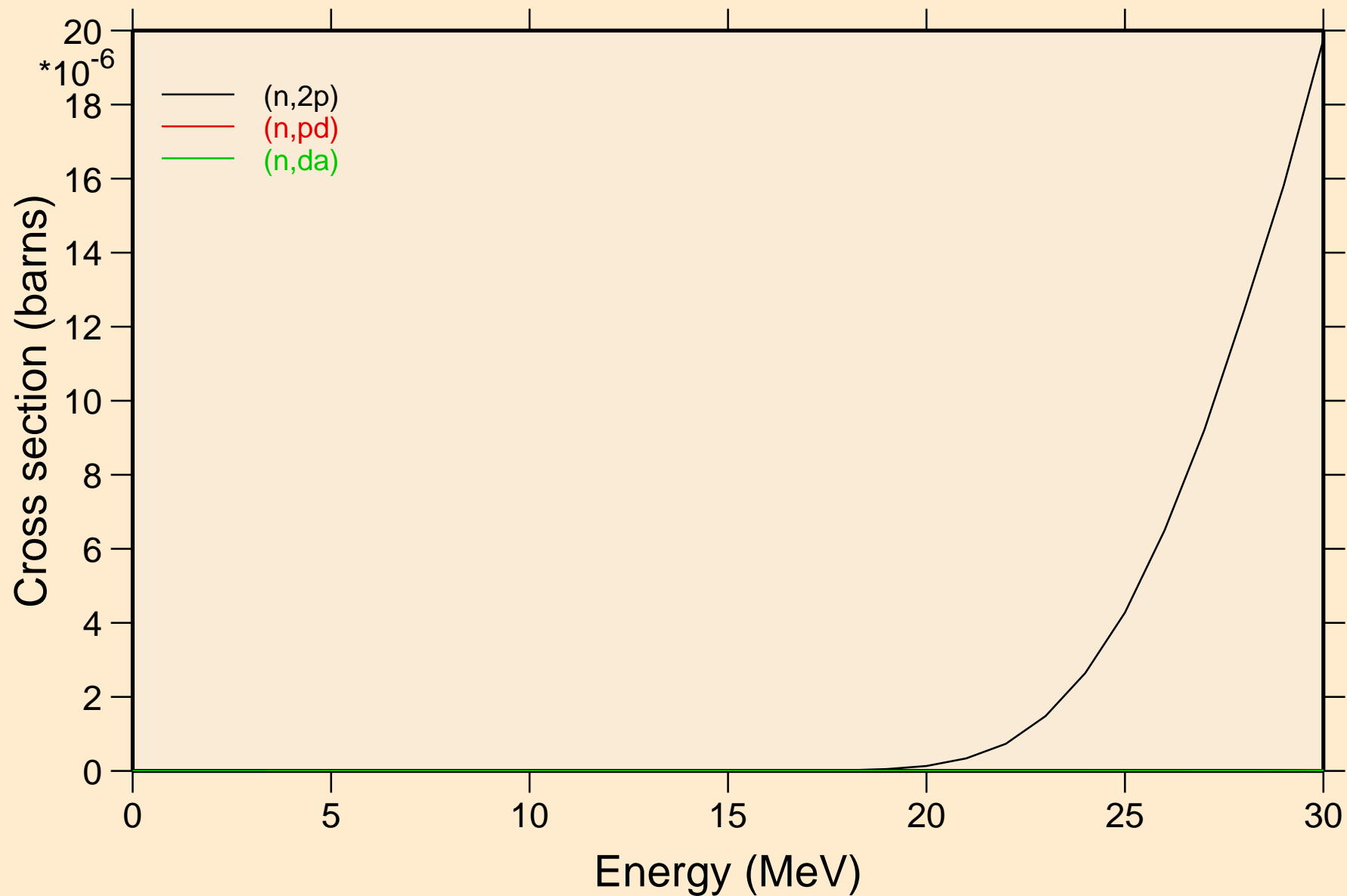
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



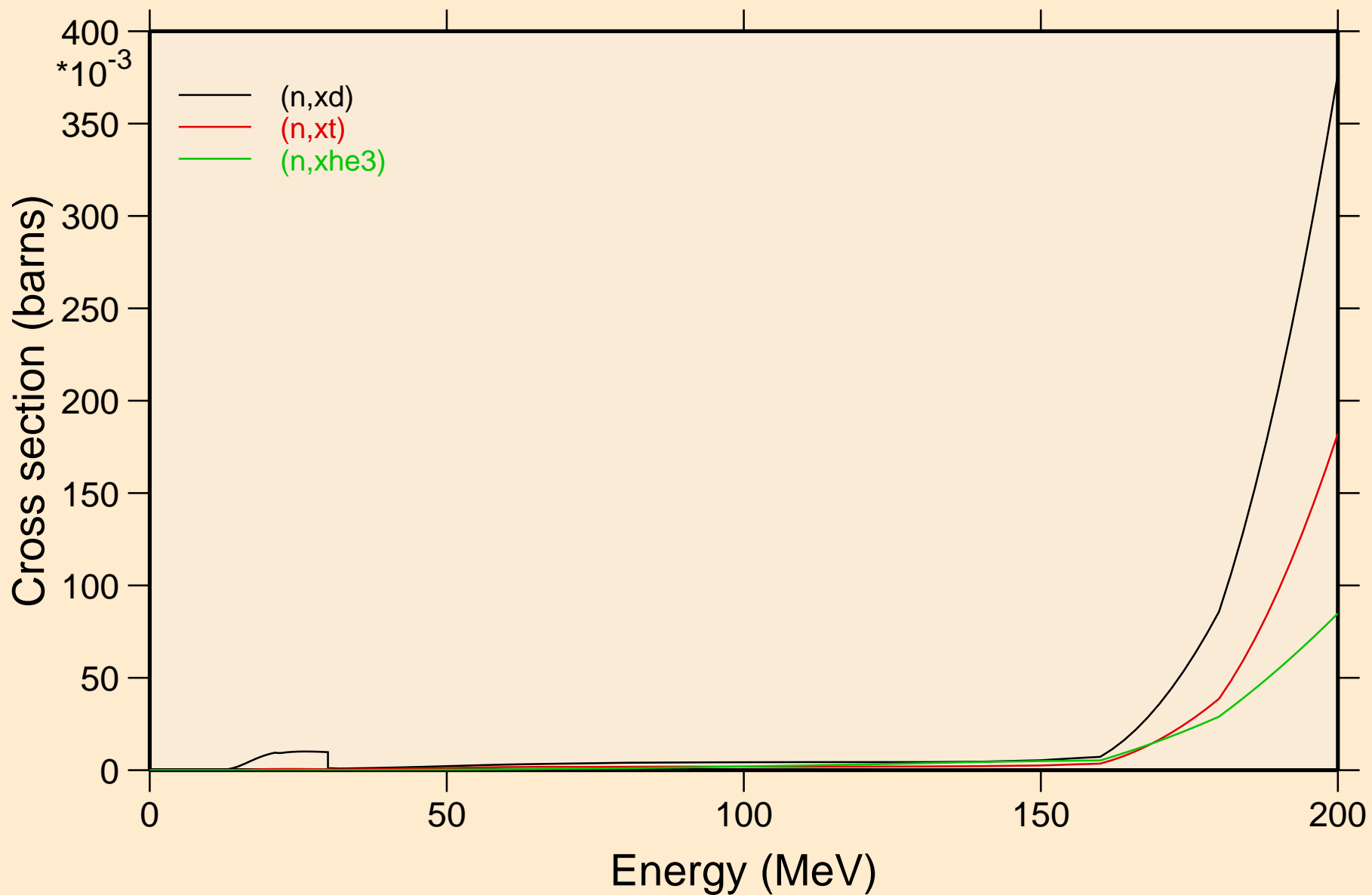
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



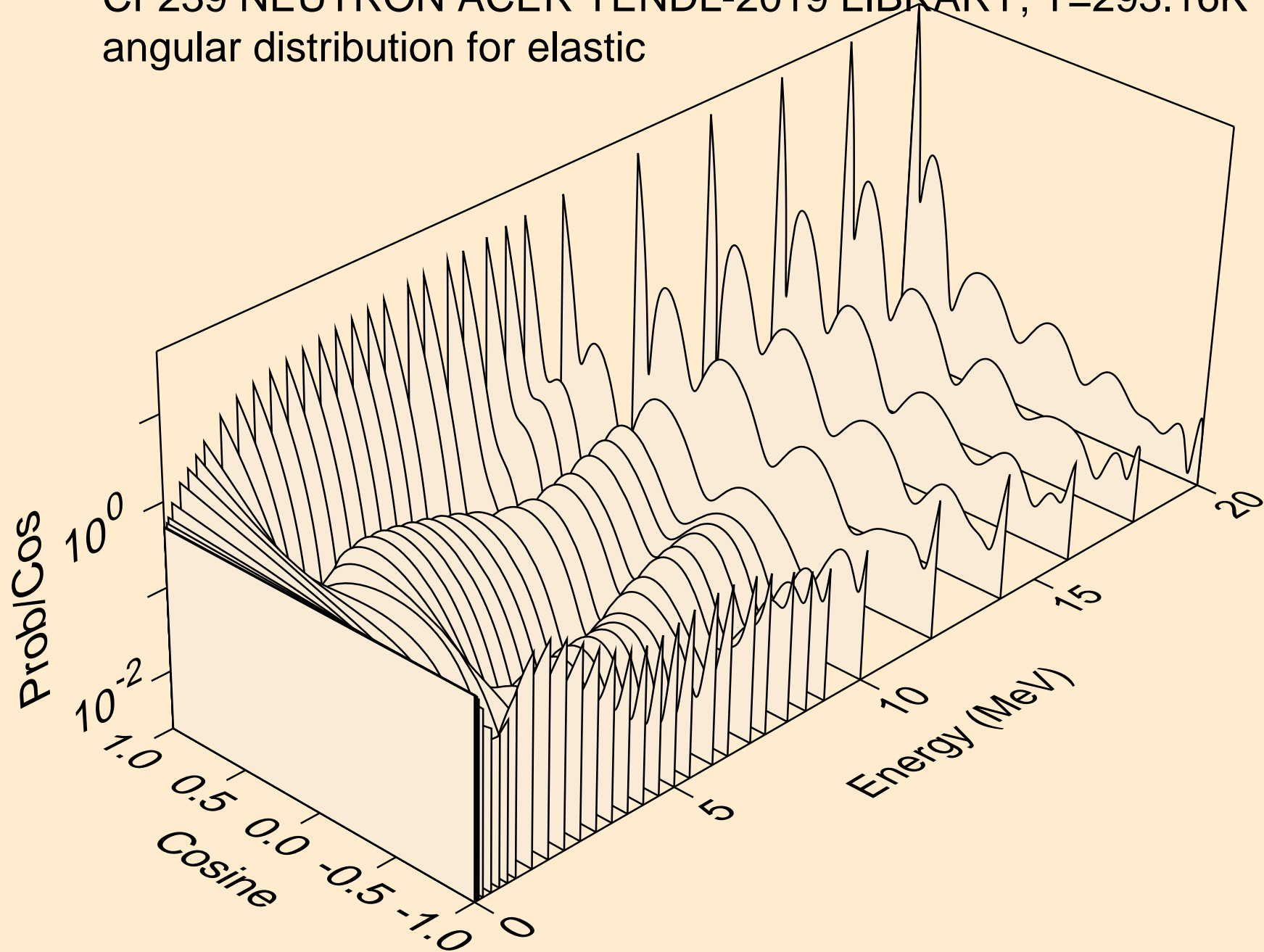
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Threshold reactions



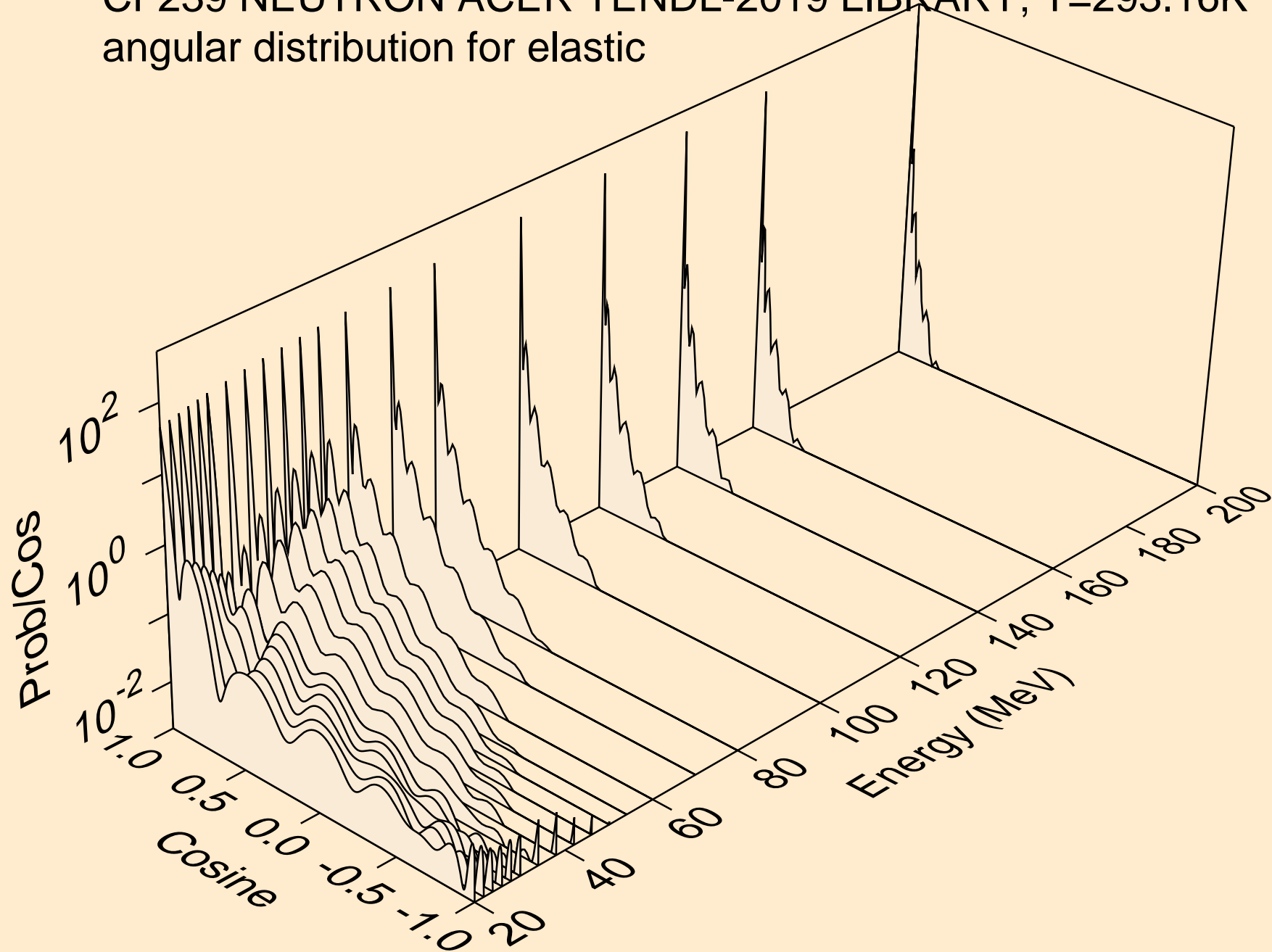
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



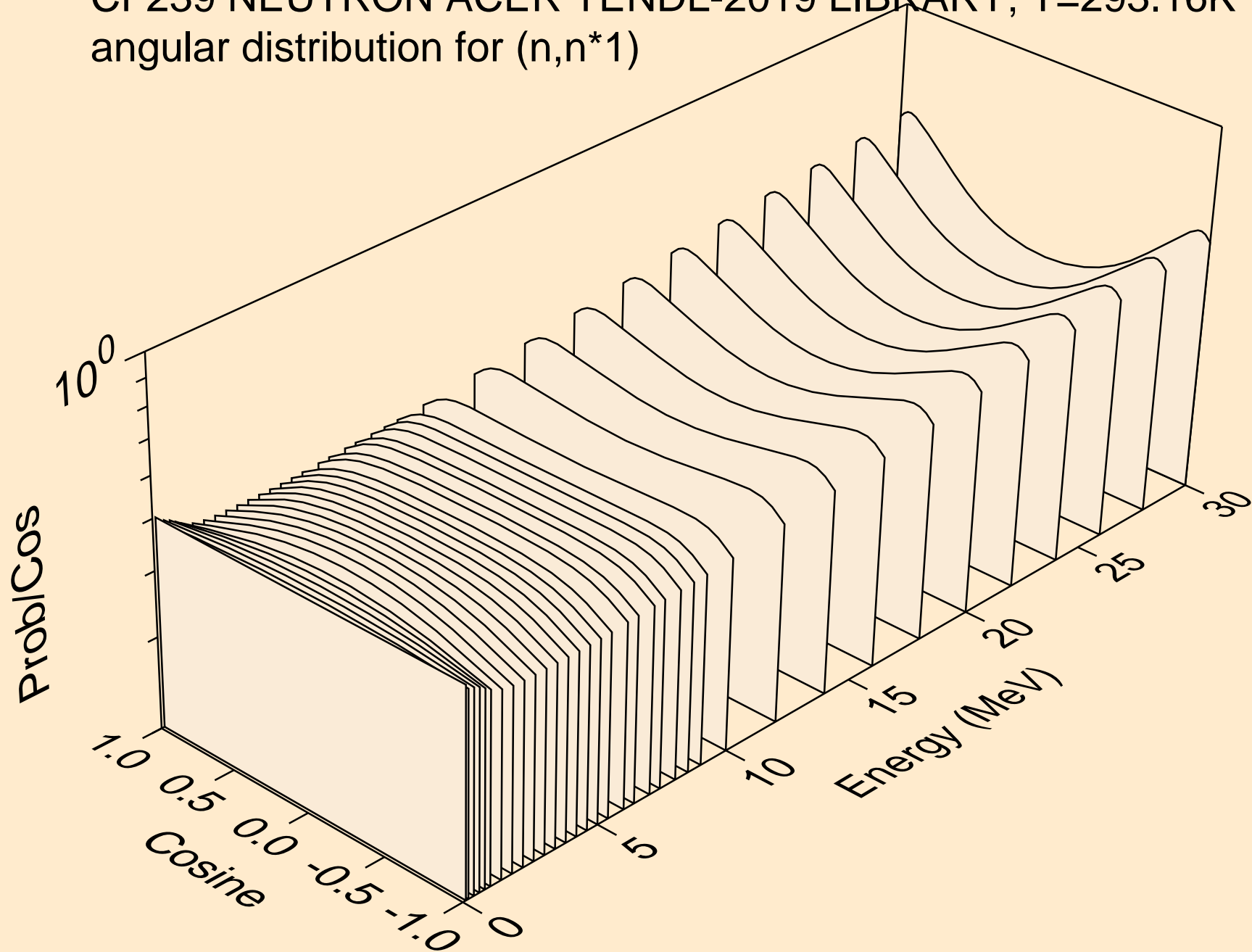
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



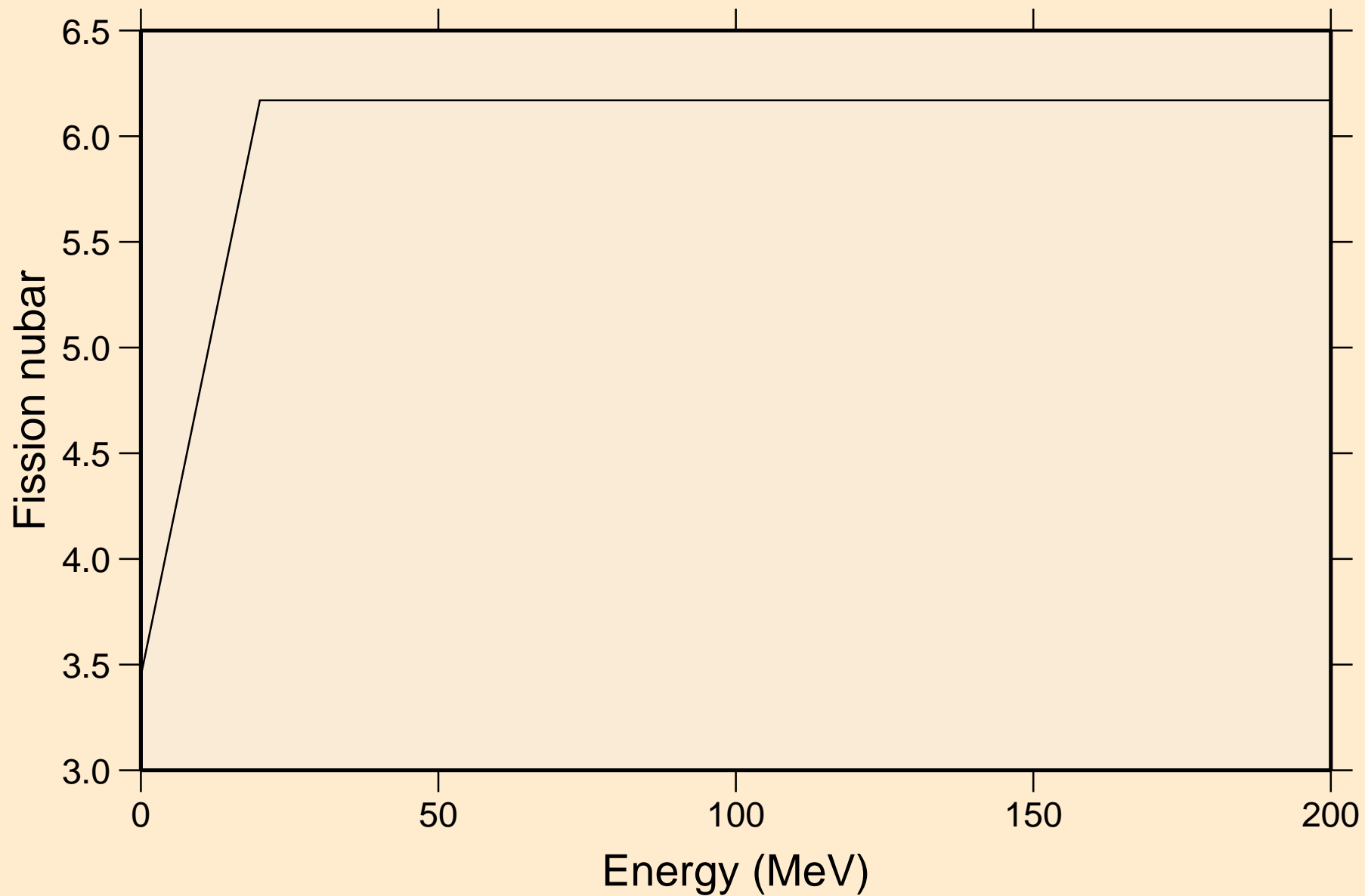
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



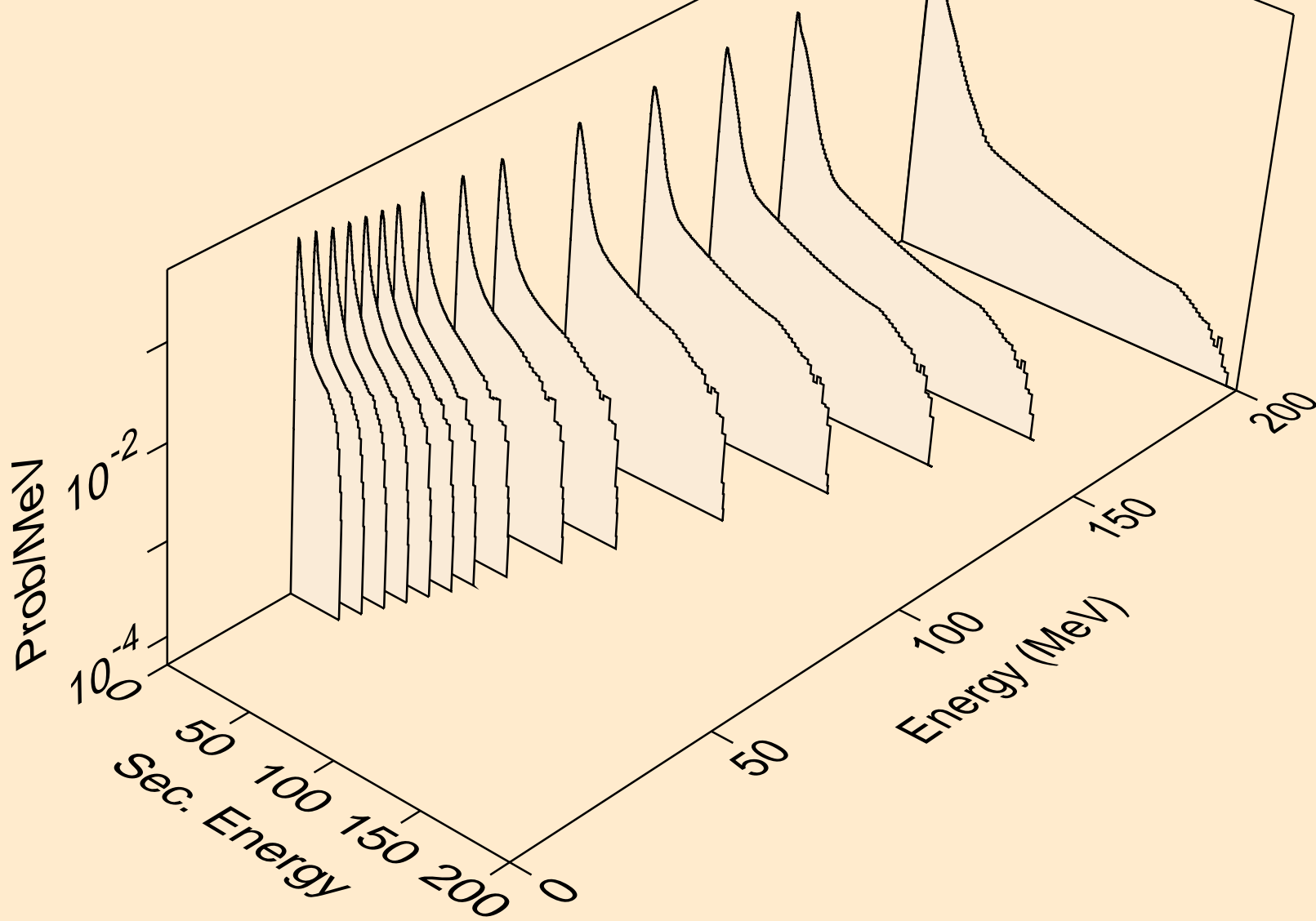
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



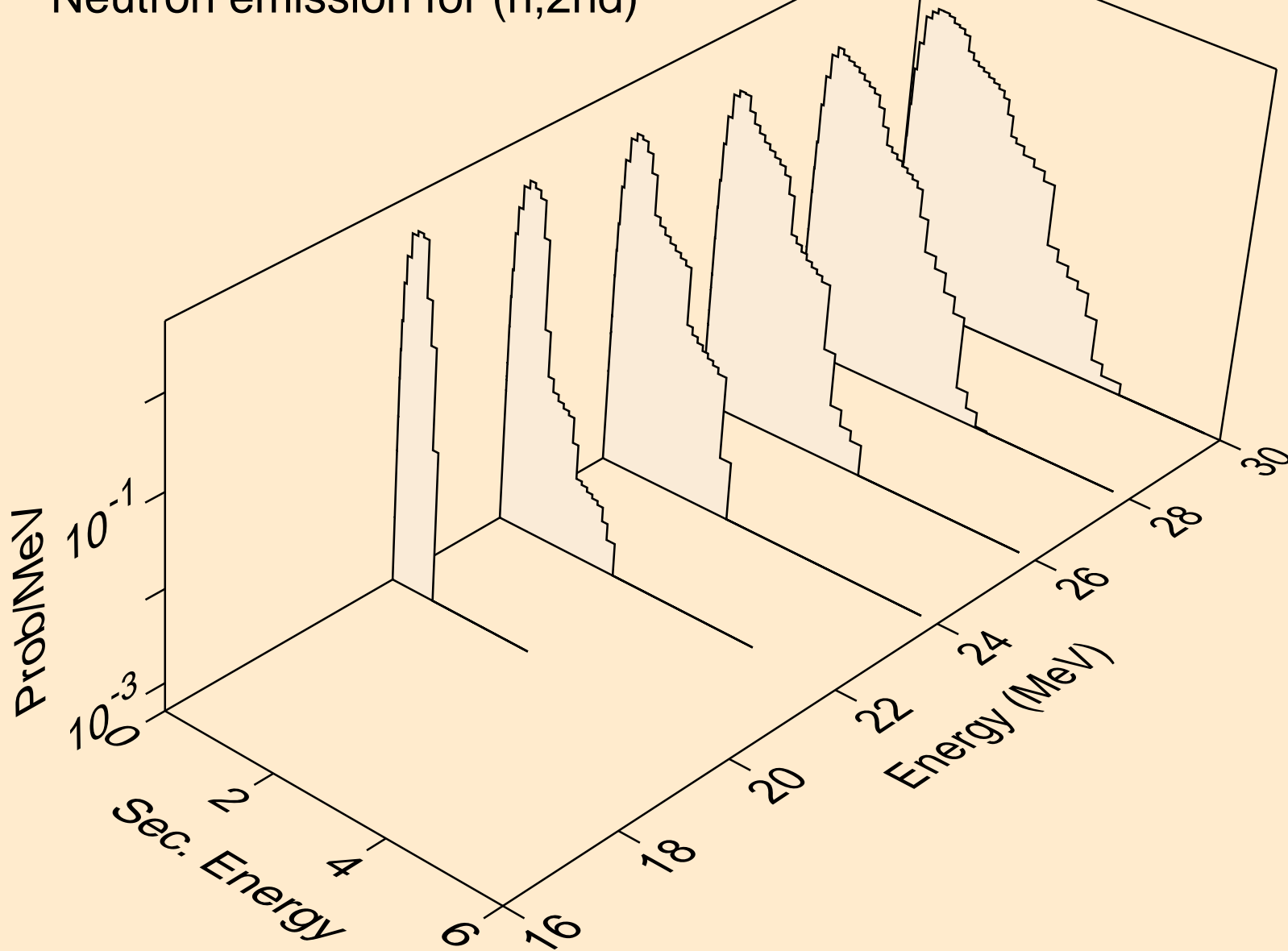
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Total fission nubar



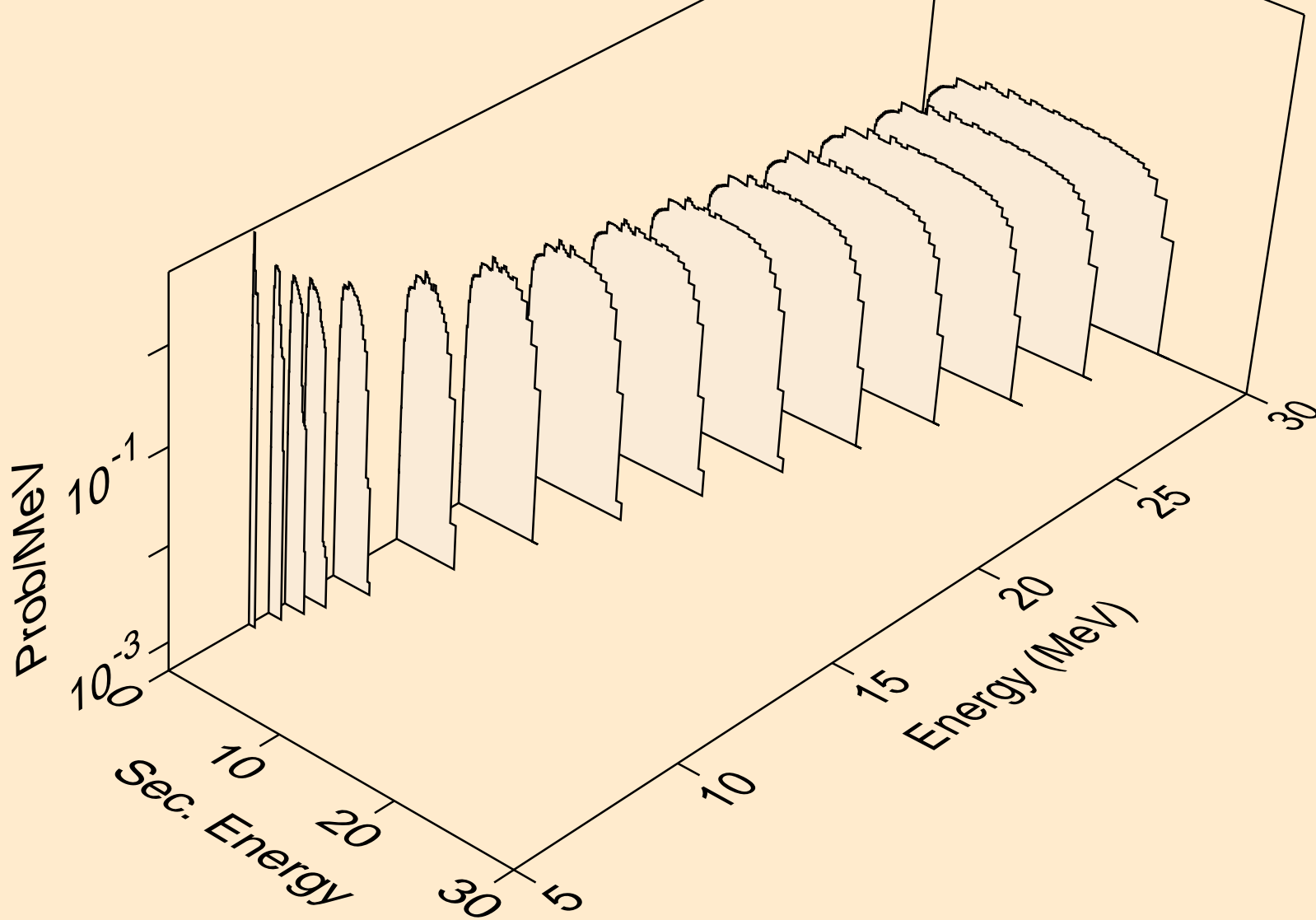
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



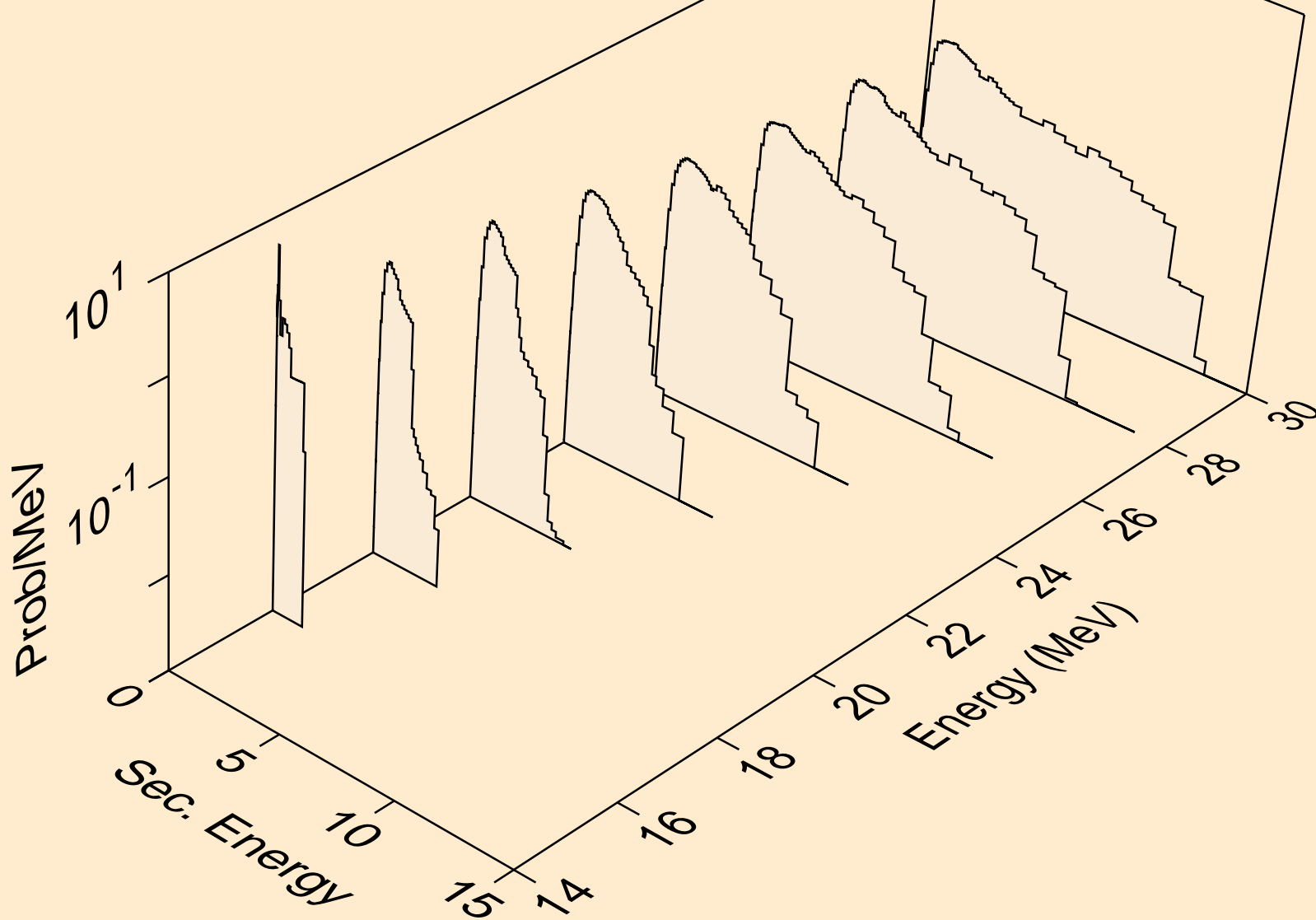
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



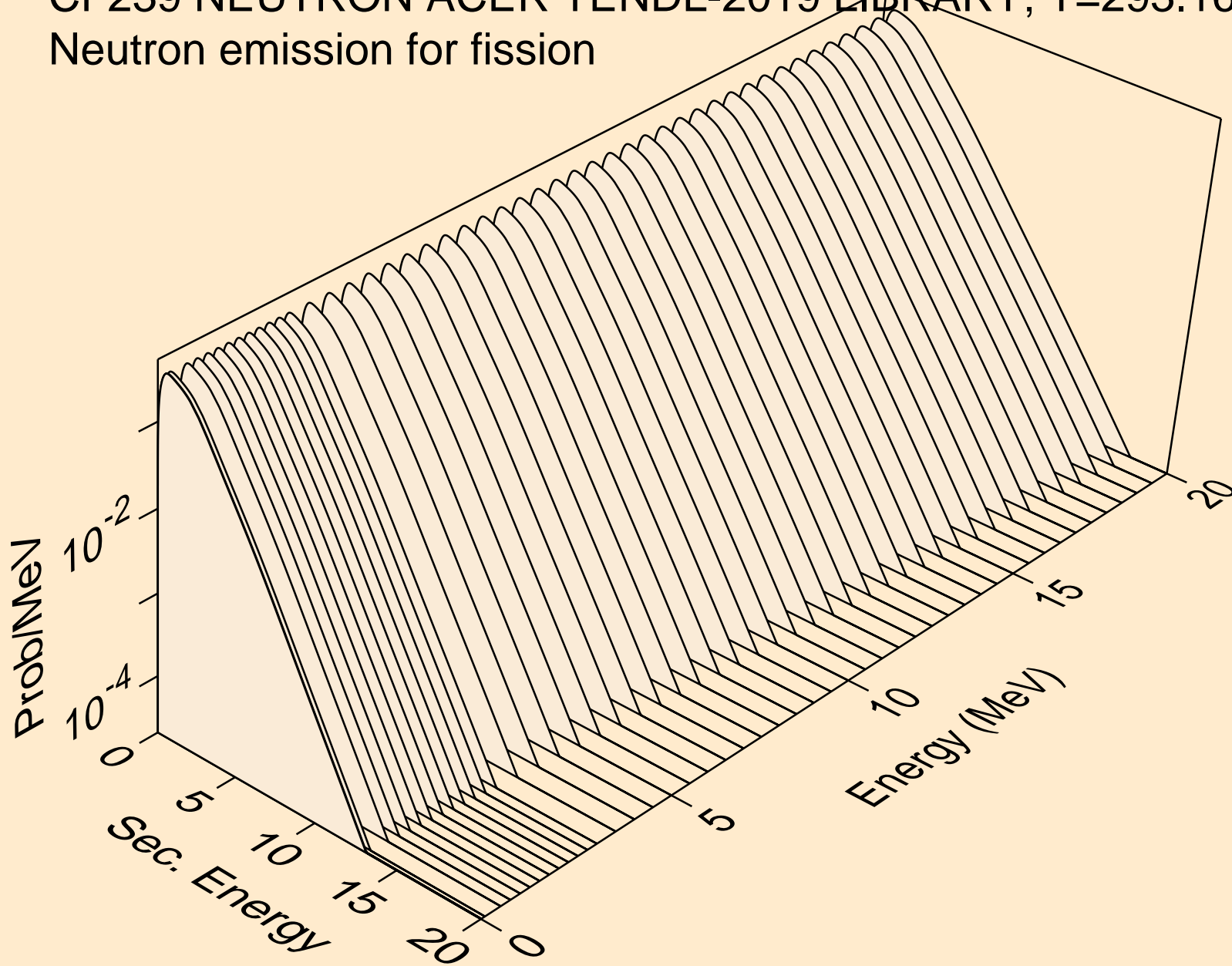
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



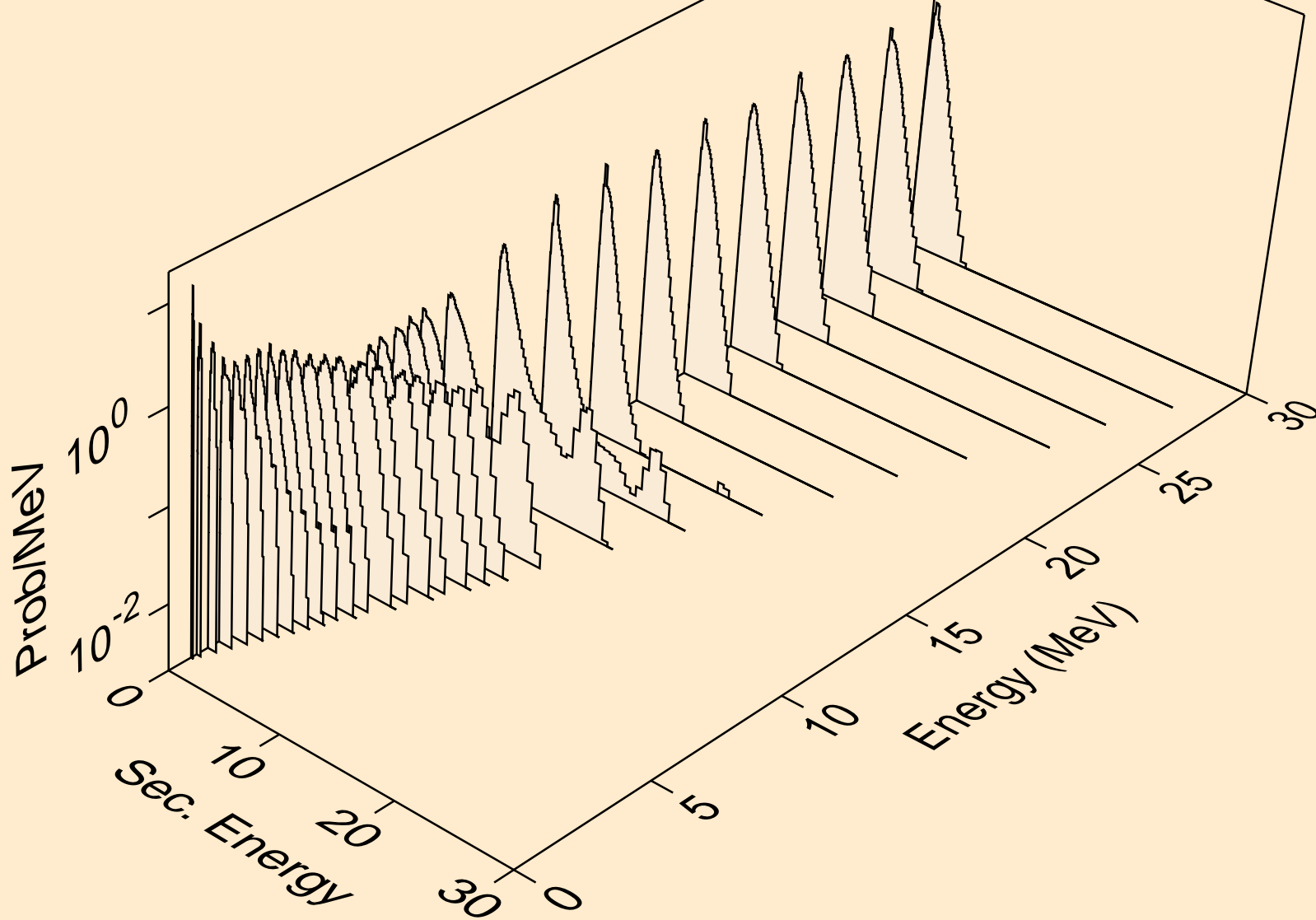
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



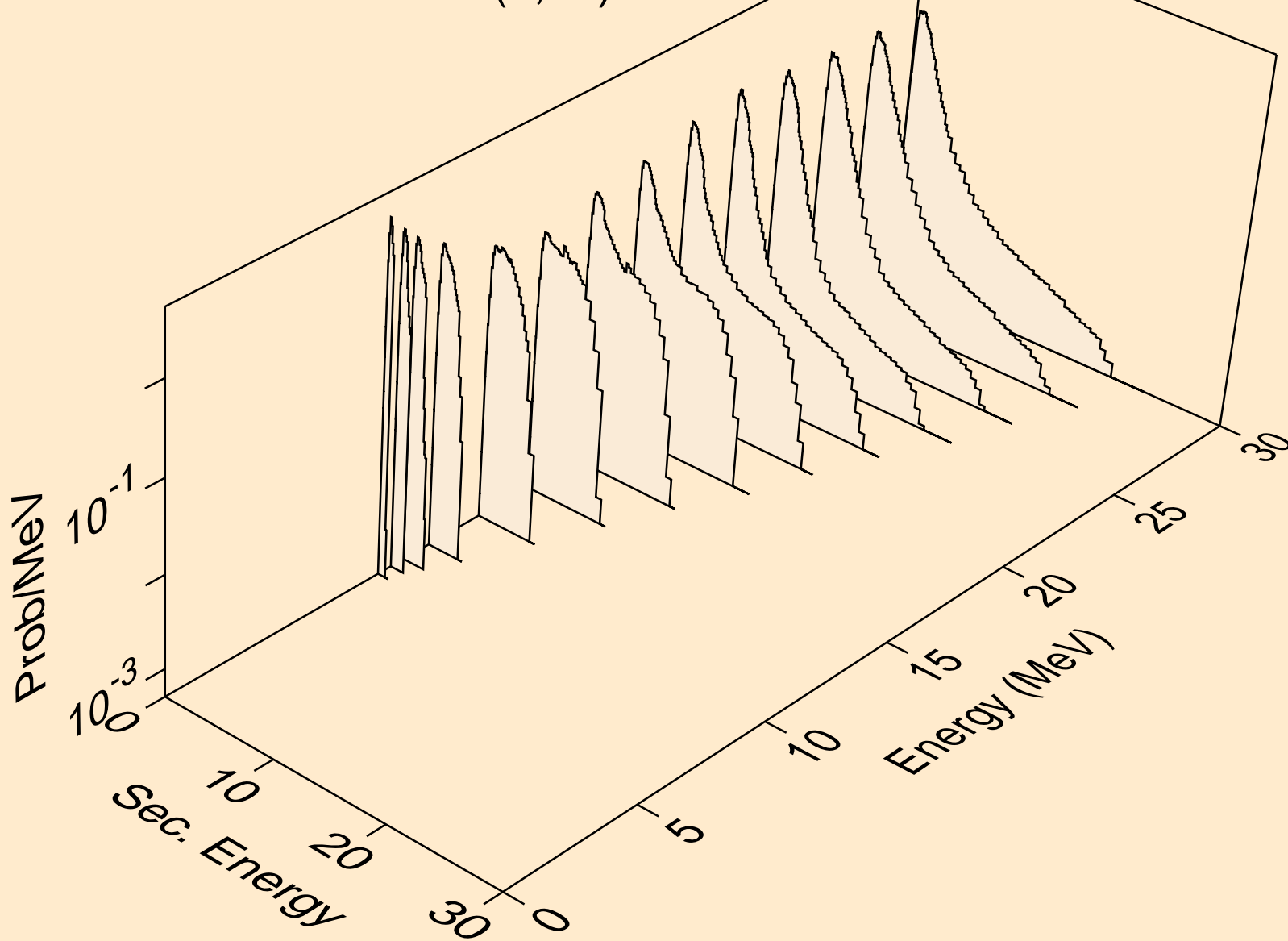
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Neutron emission for fission



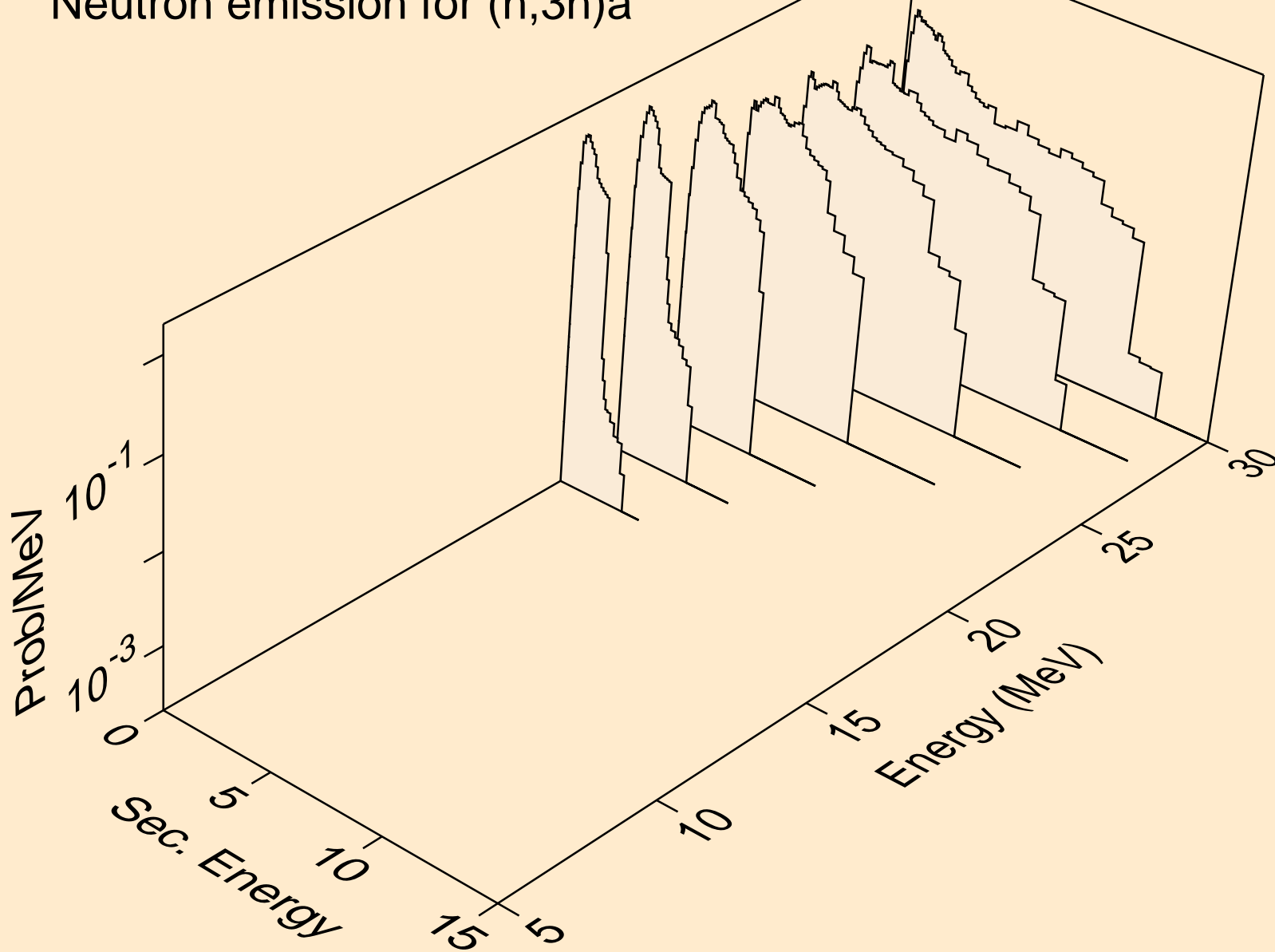
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



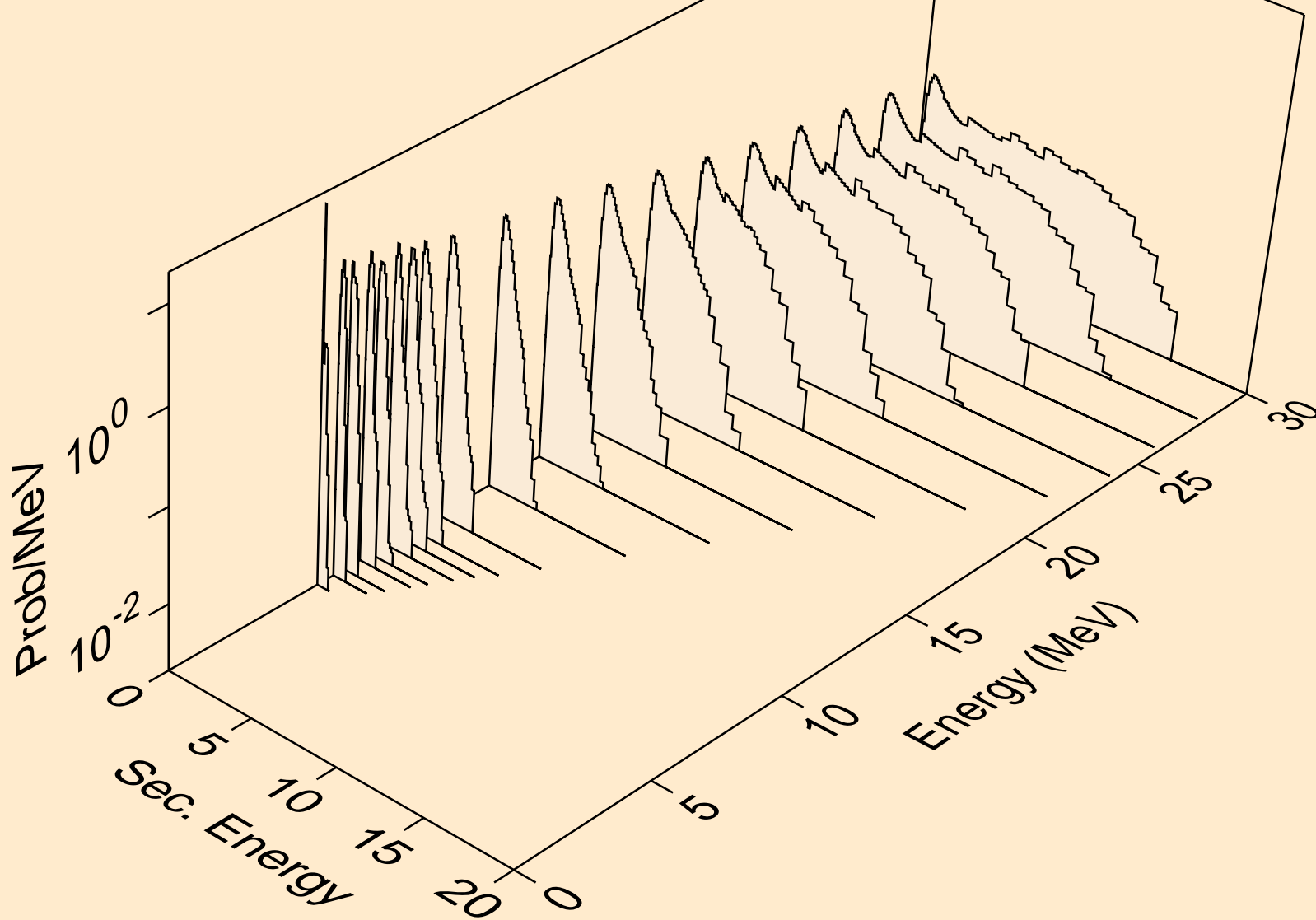
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



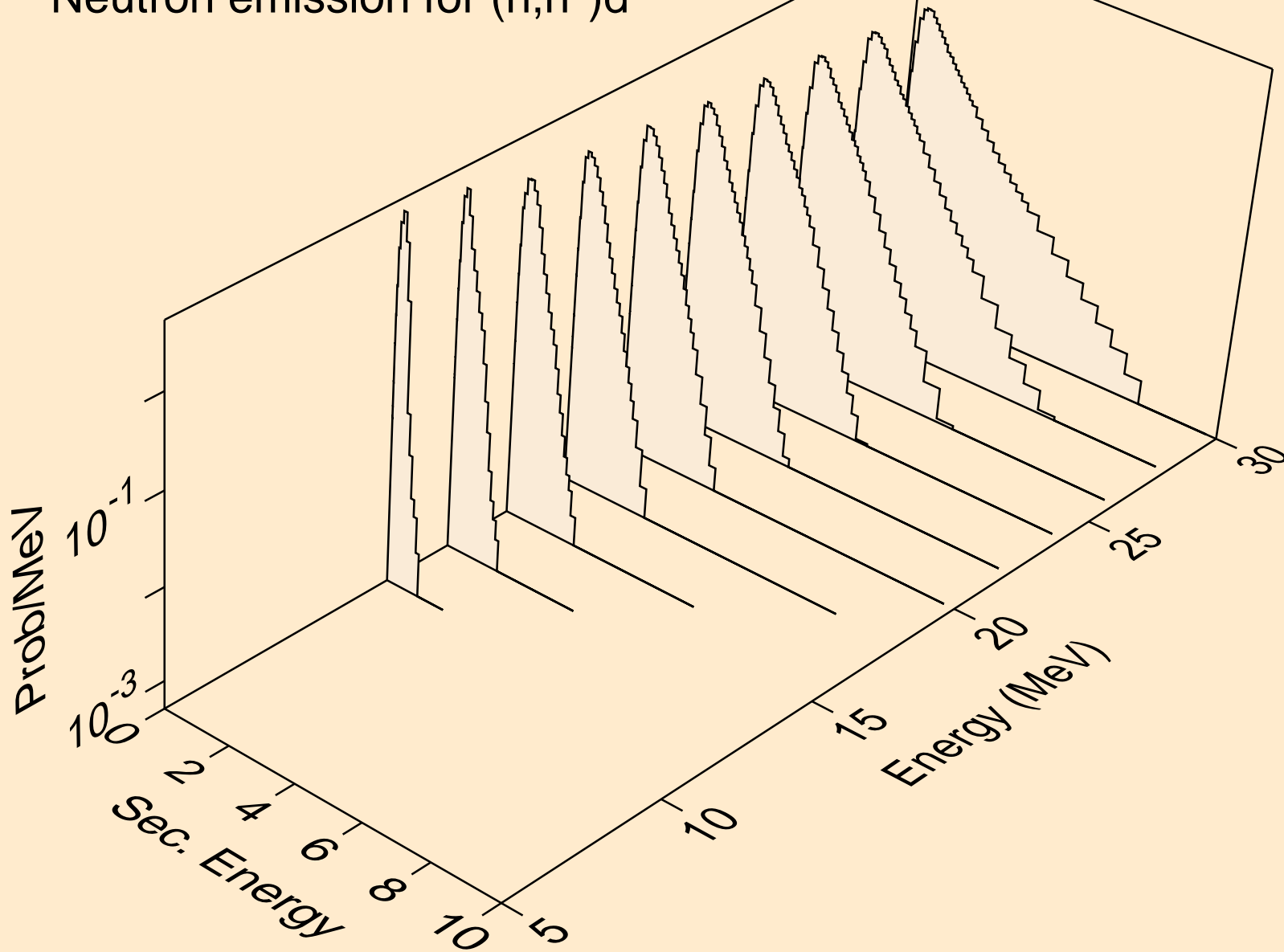
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



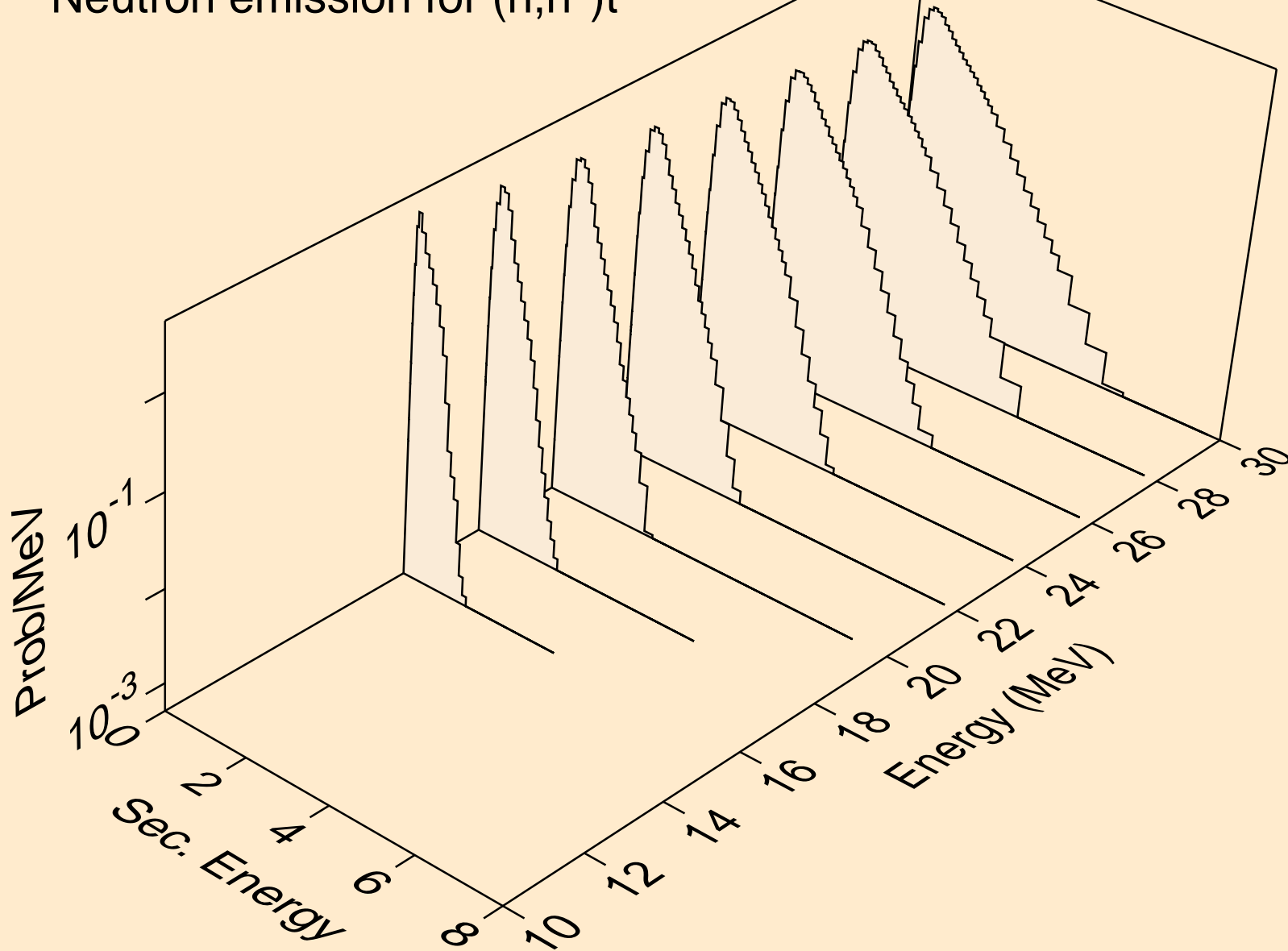
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



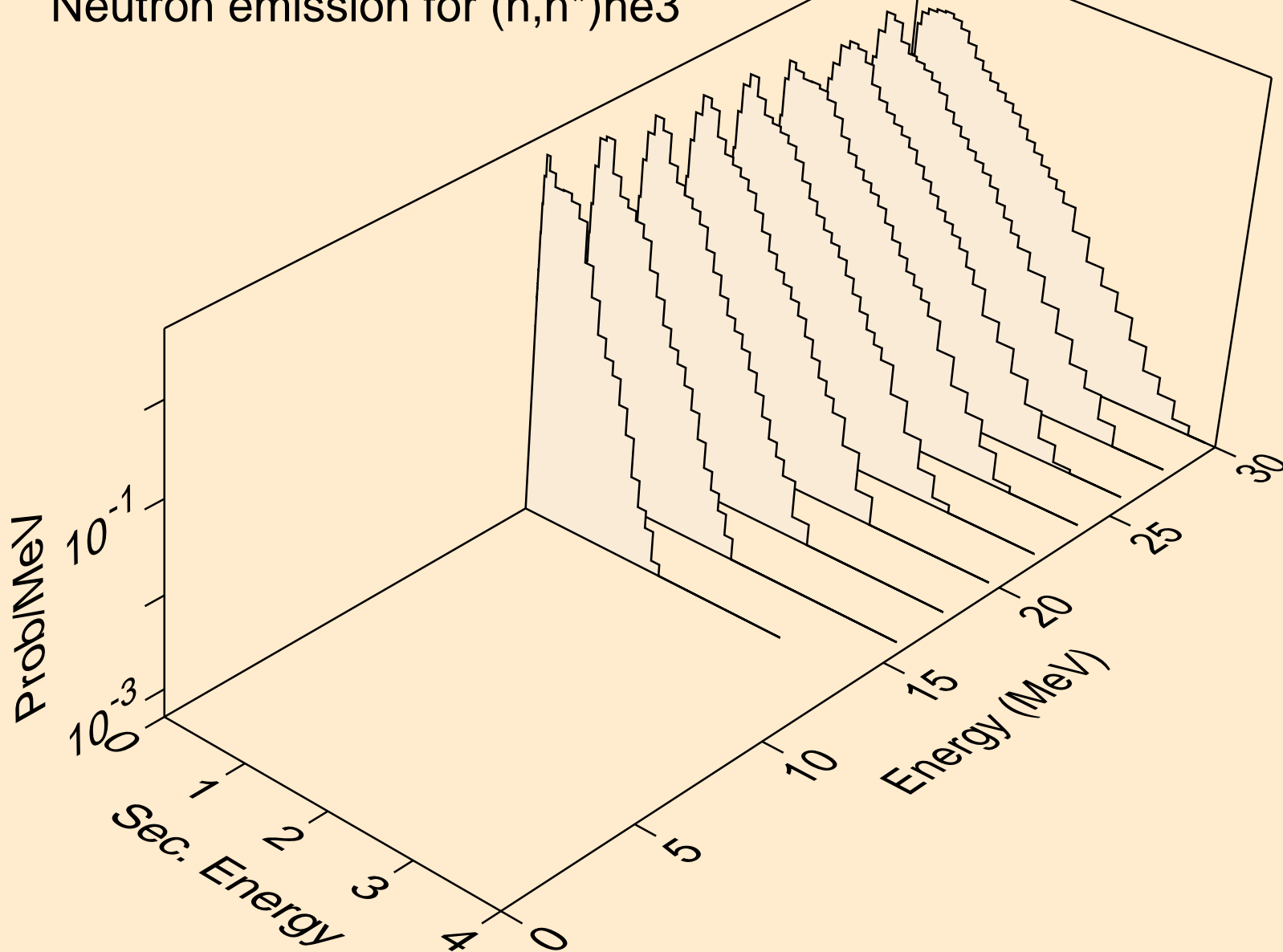
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



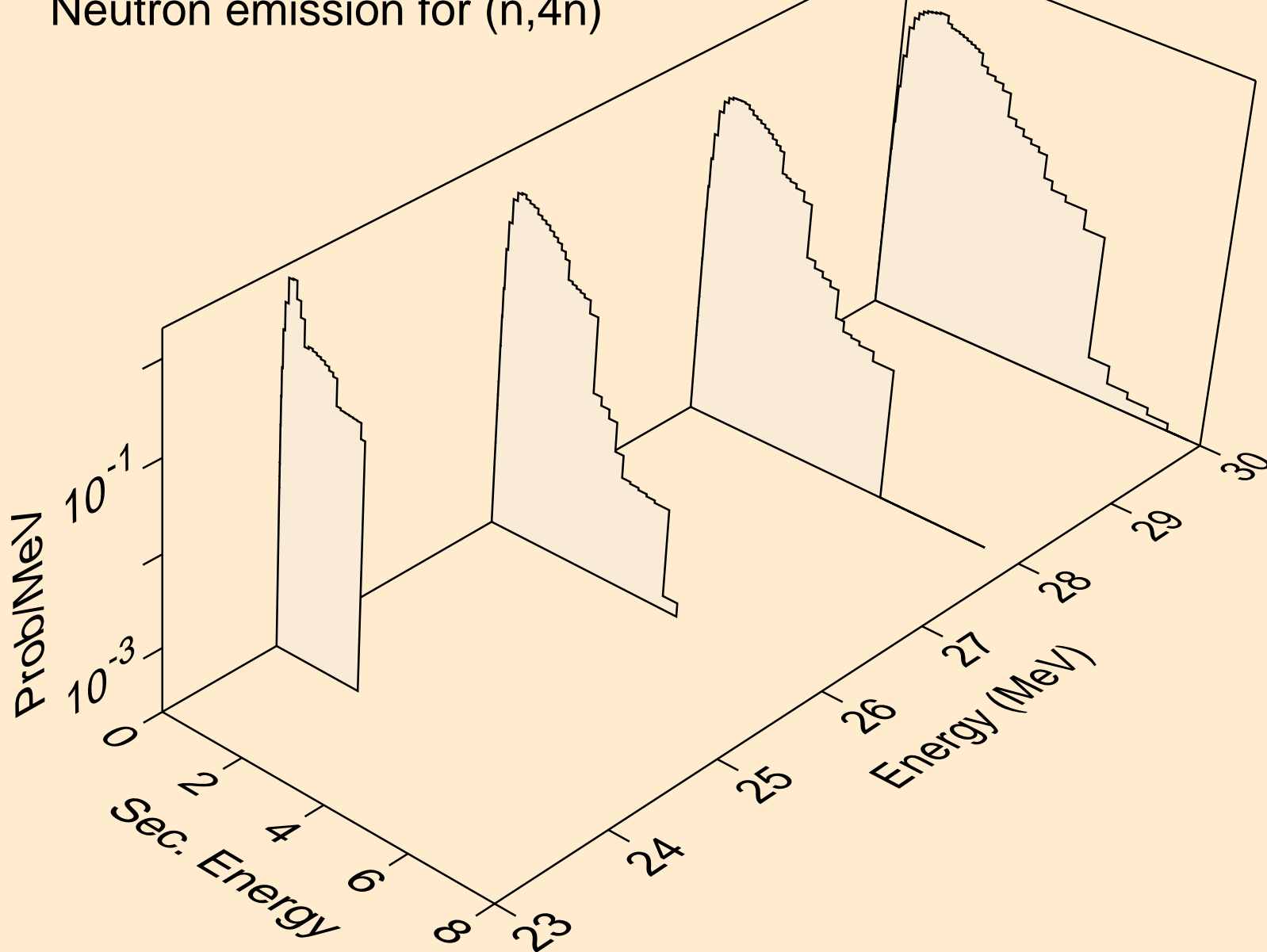
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



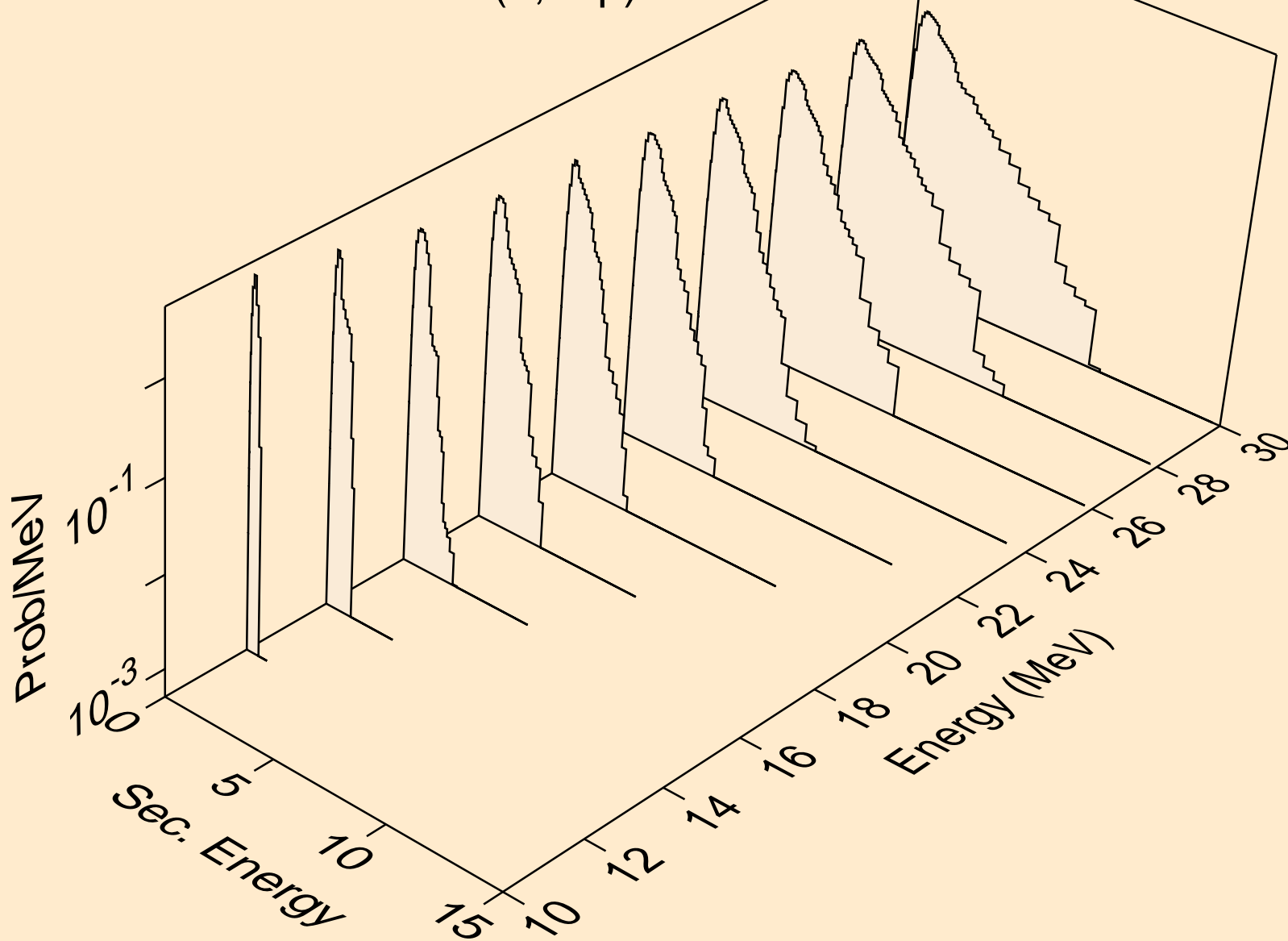
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



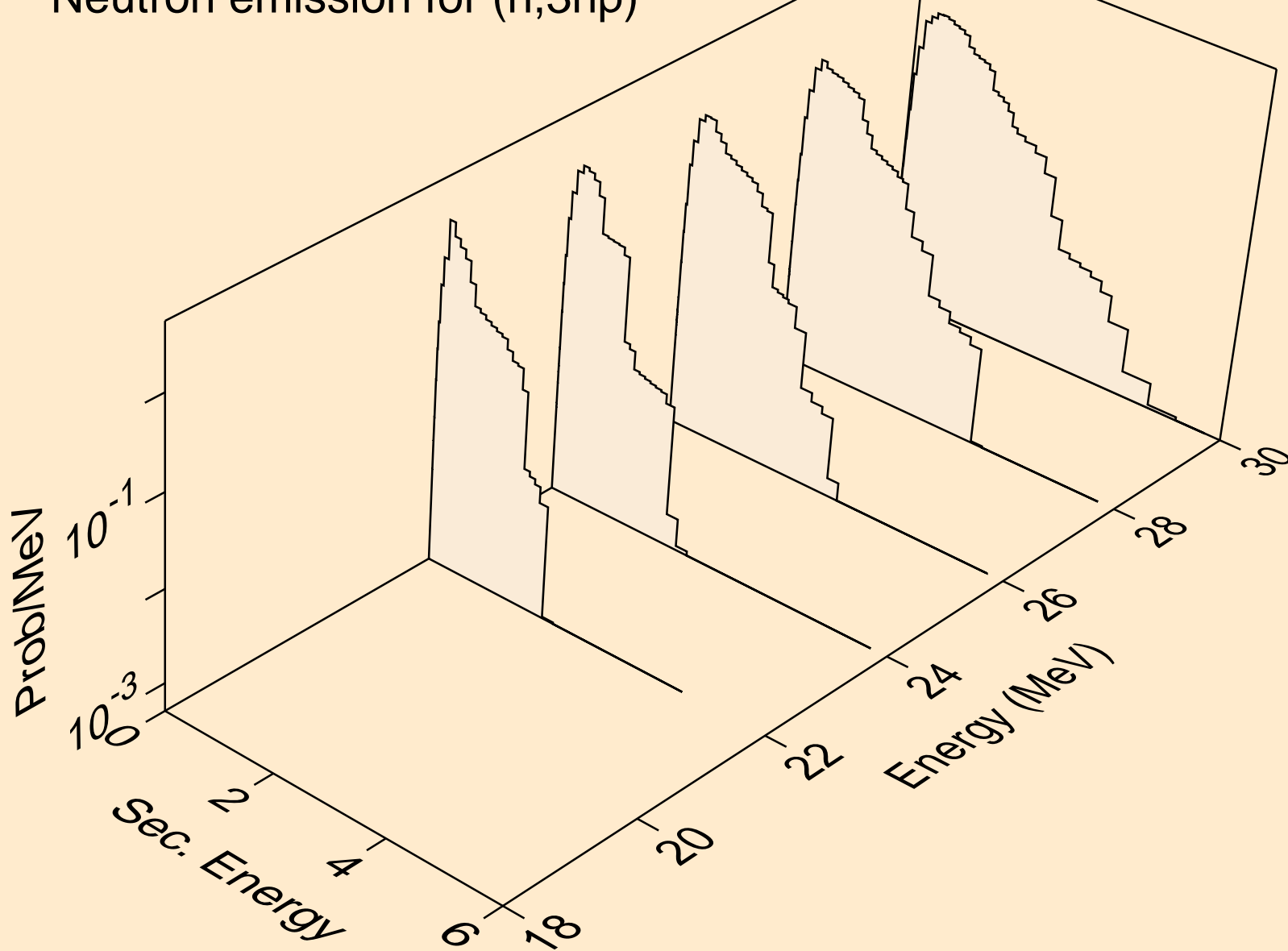
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



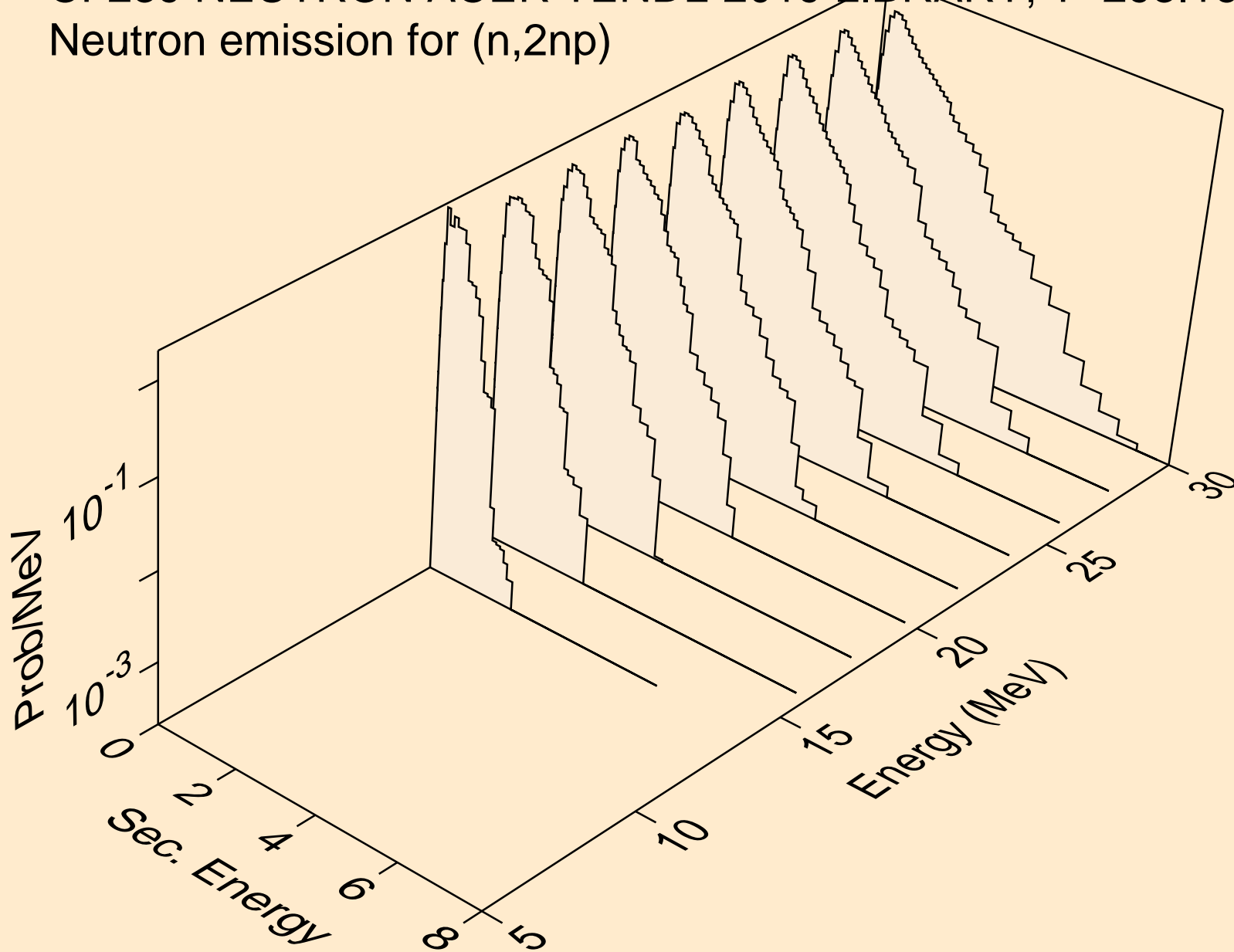
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



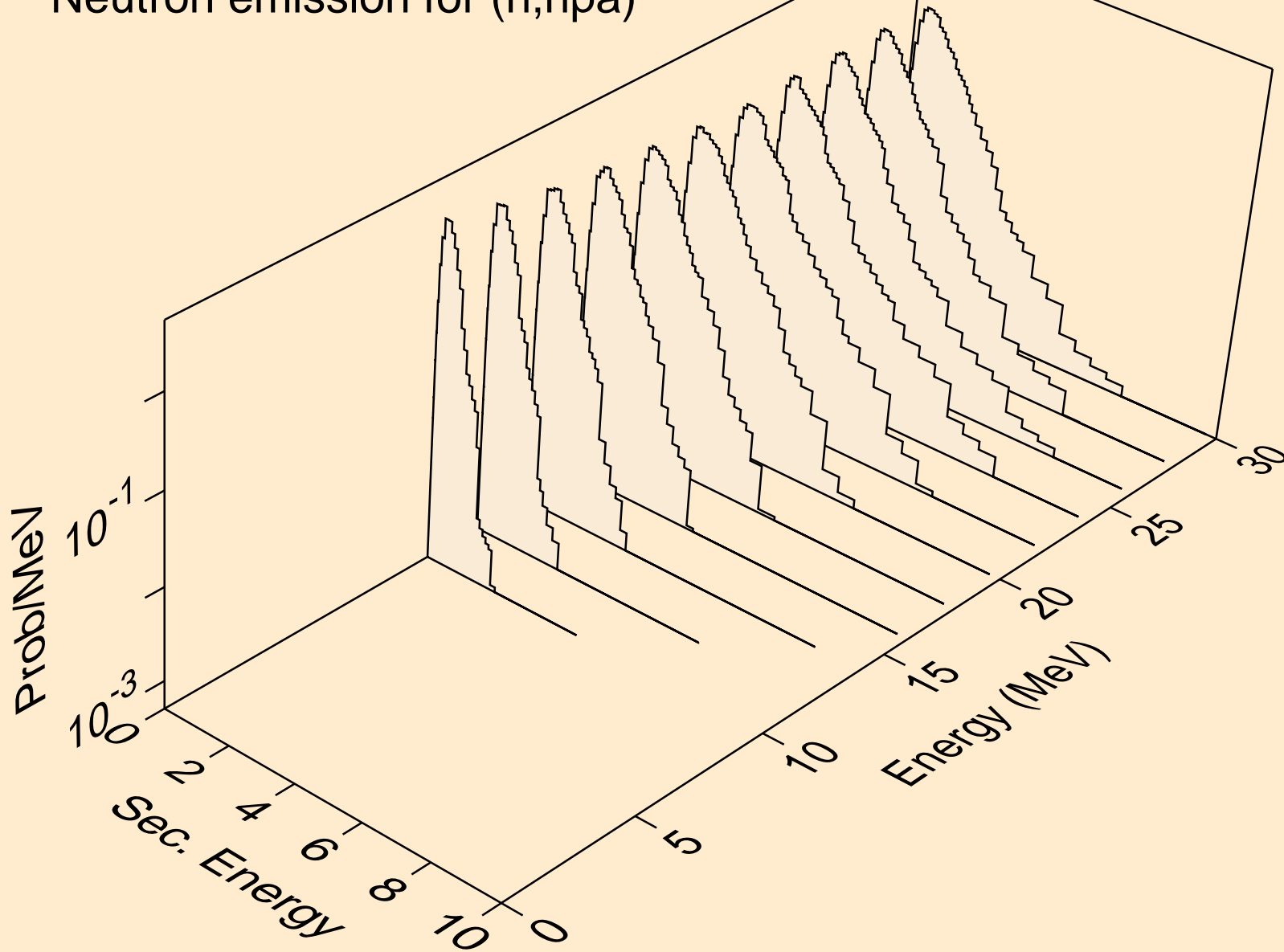
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Neutron emission for (n,3np)



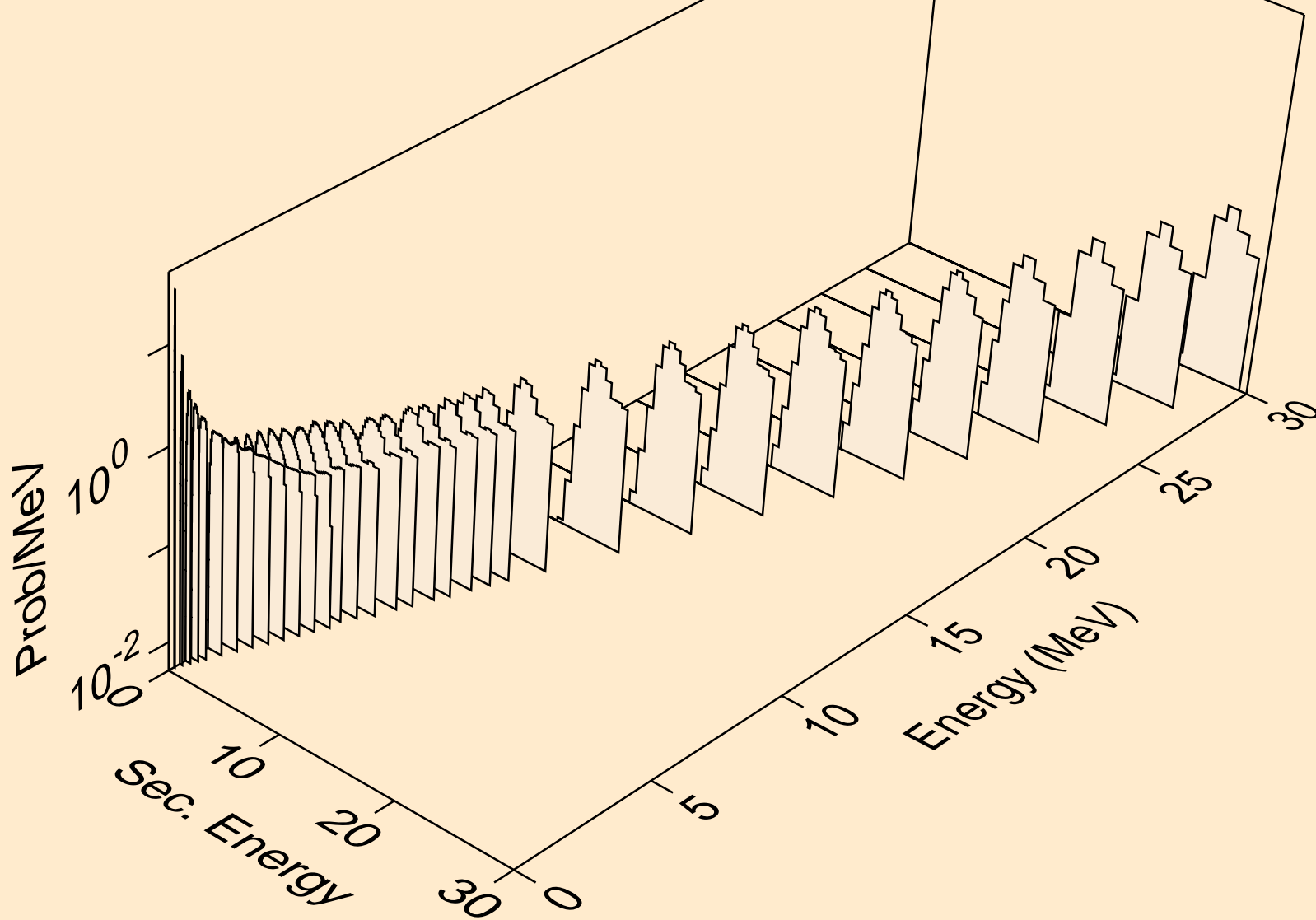
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Neutron emission for (n,2np)



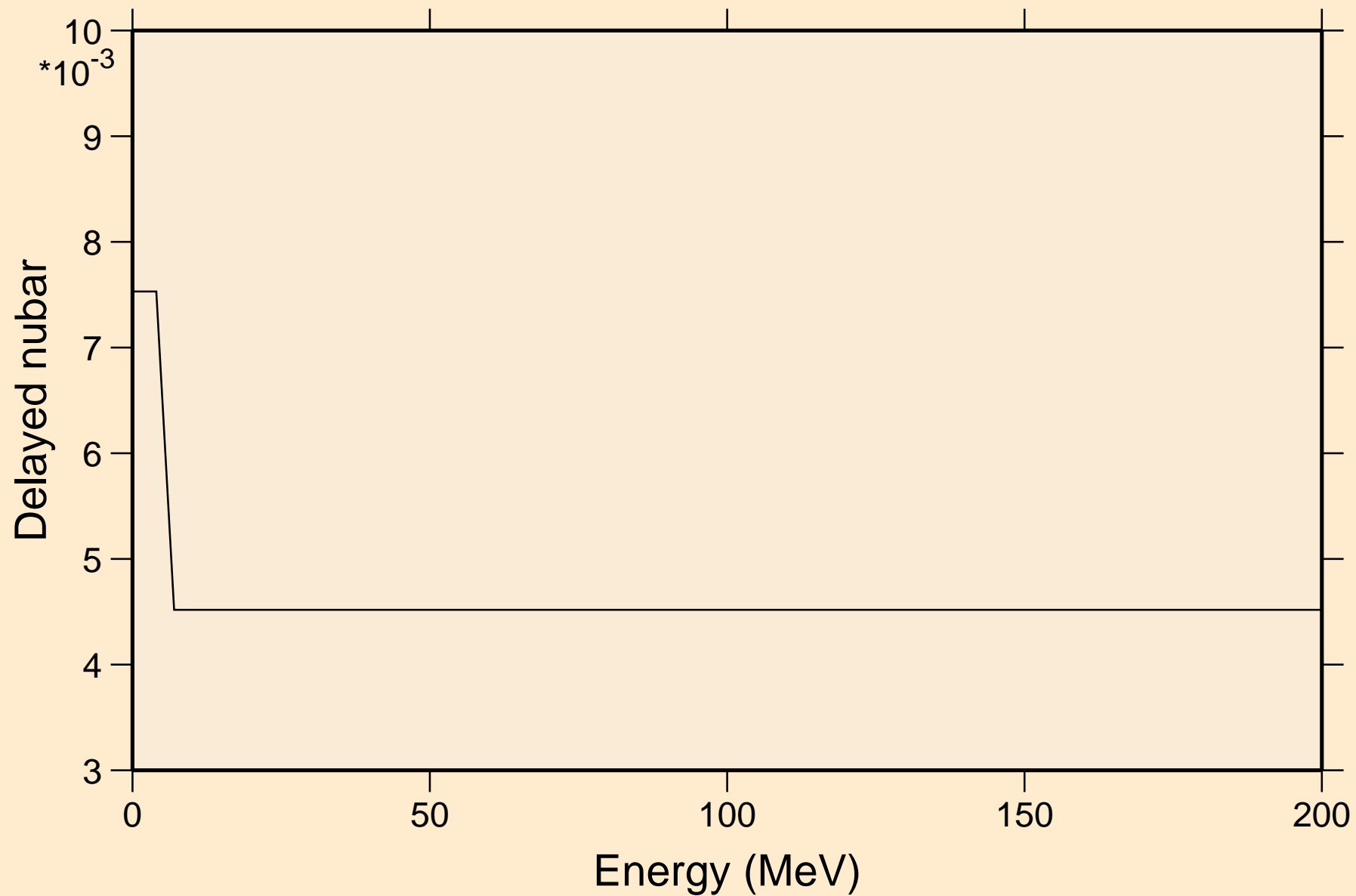
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)

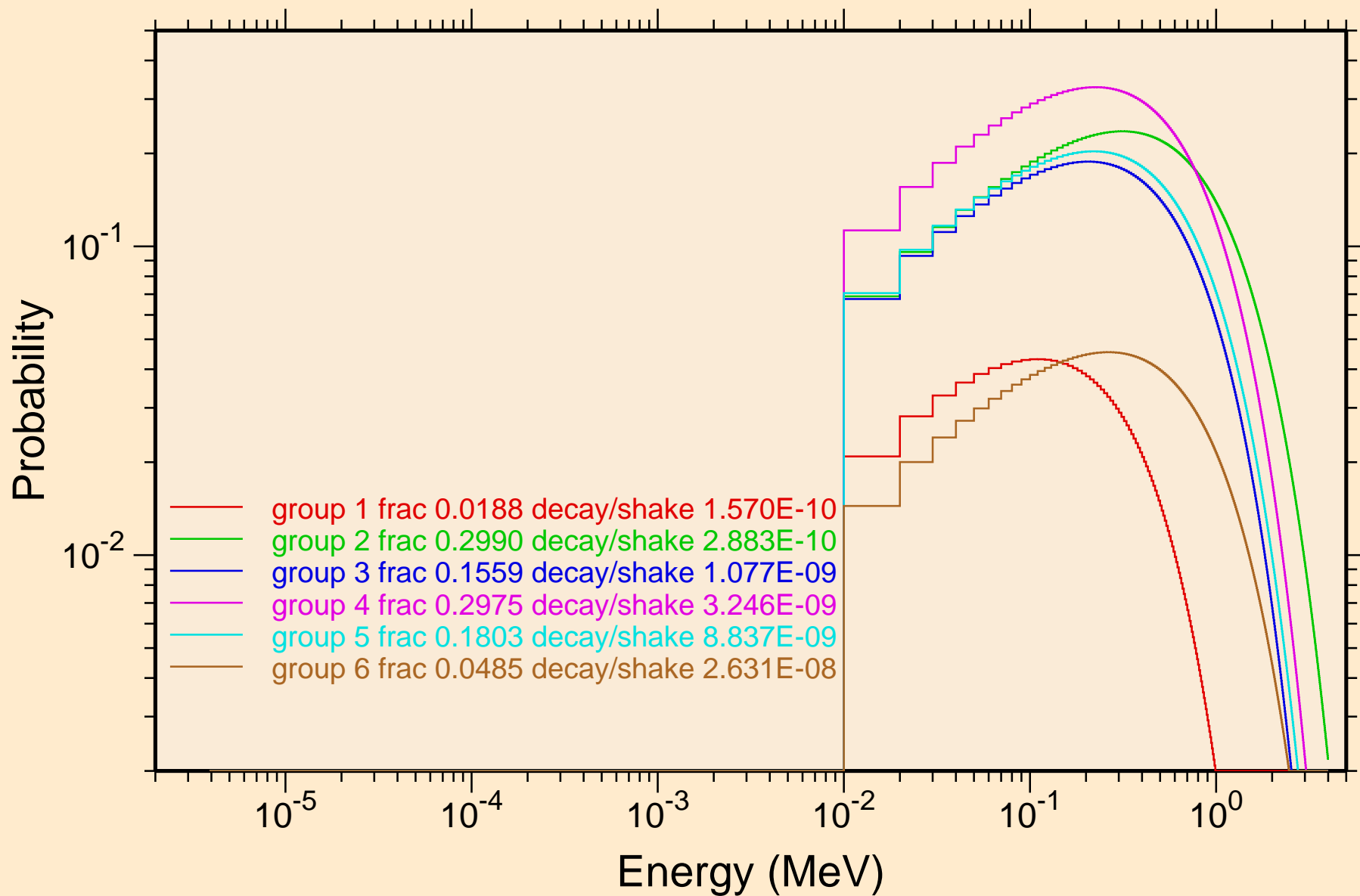


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Delayed nubar

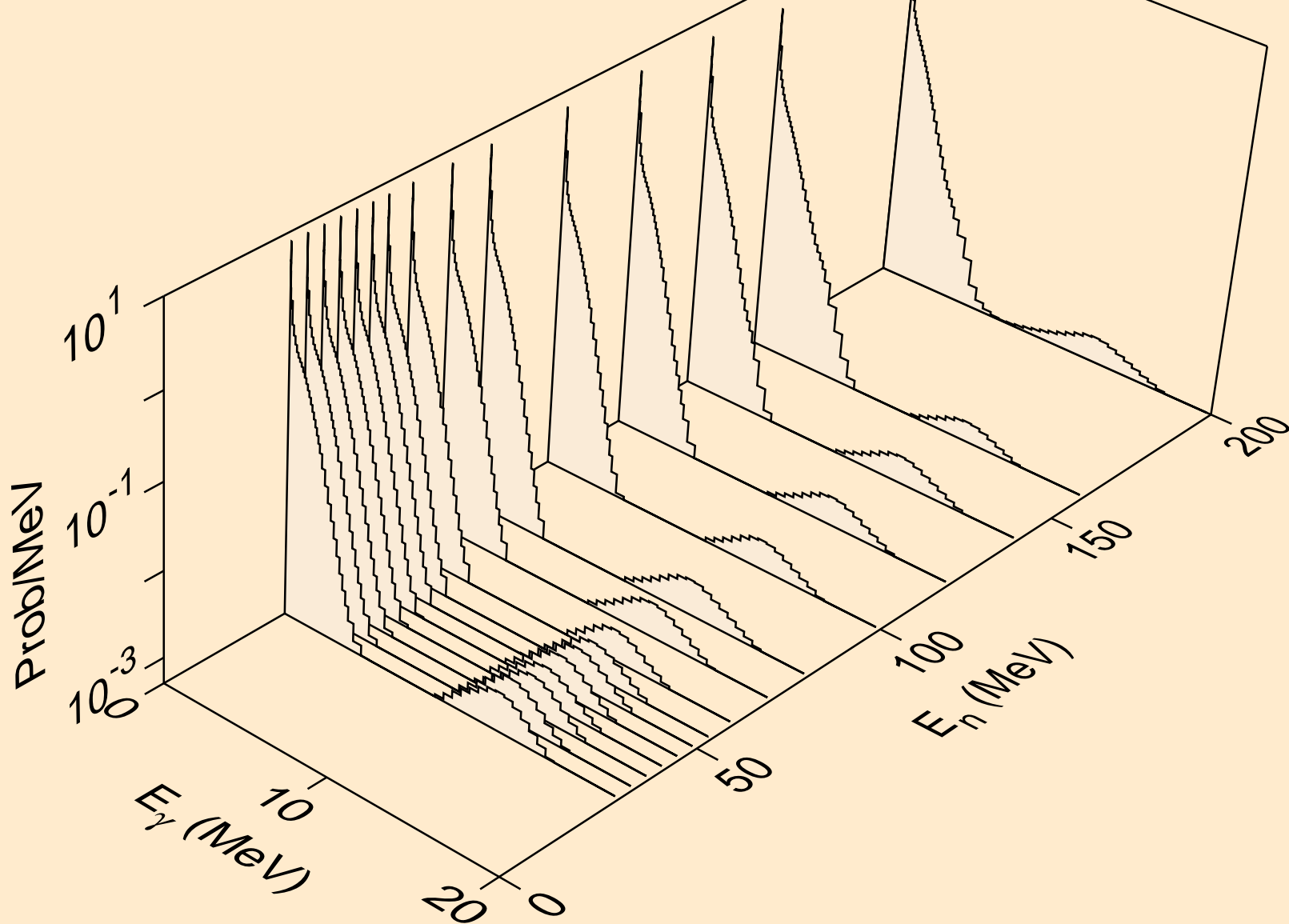


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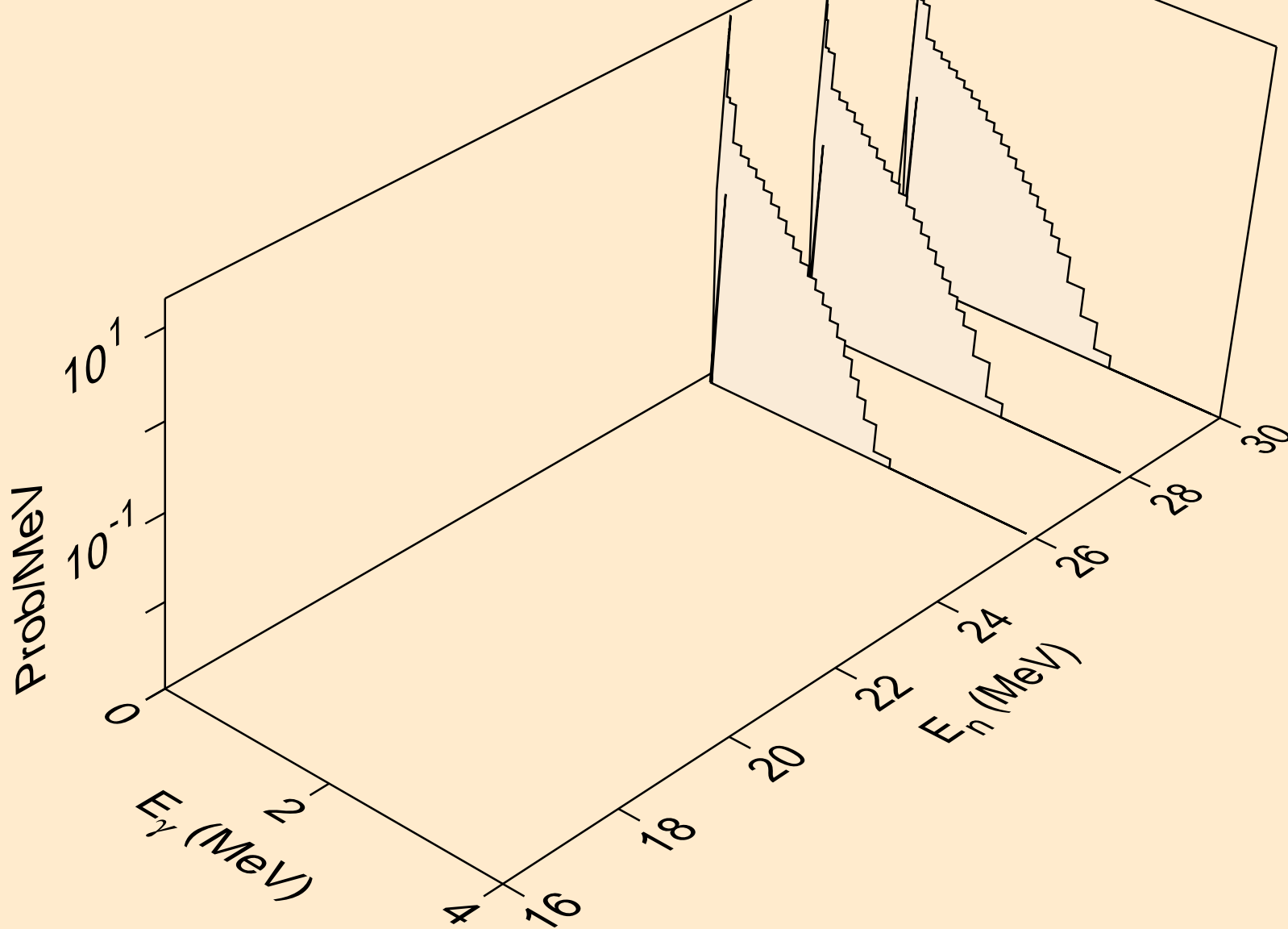
Delayed neutron spectra



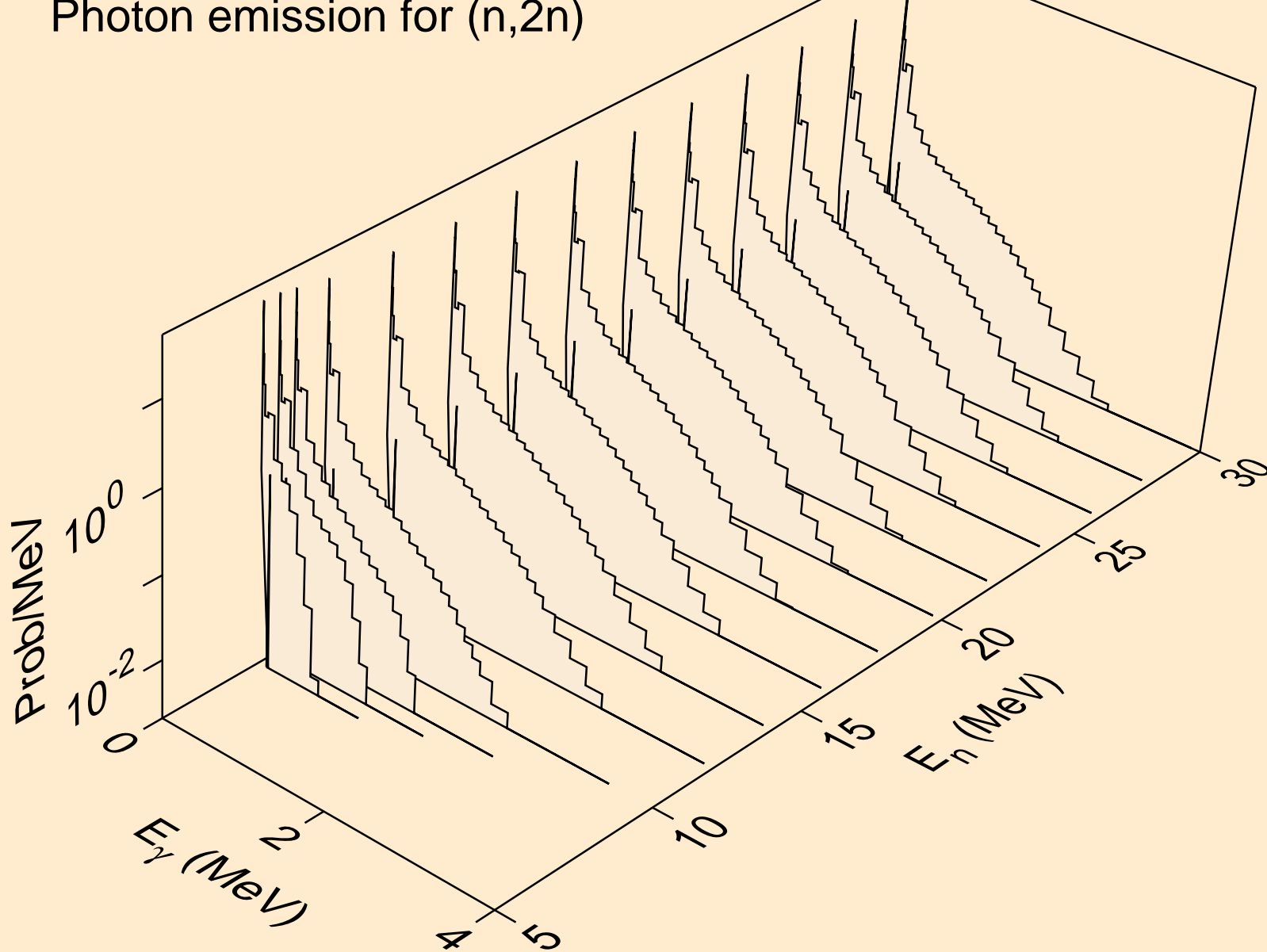
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



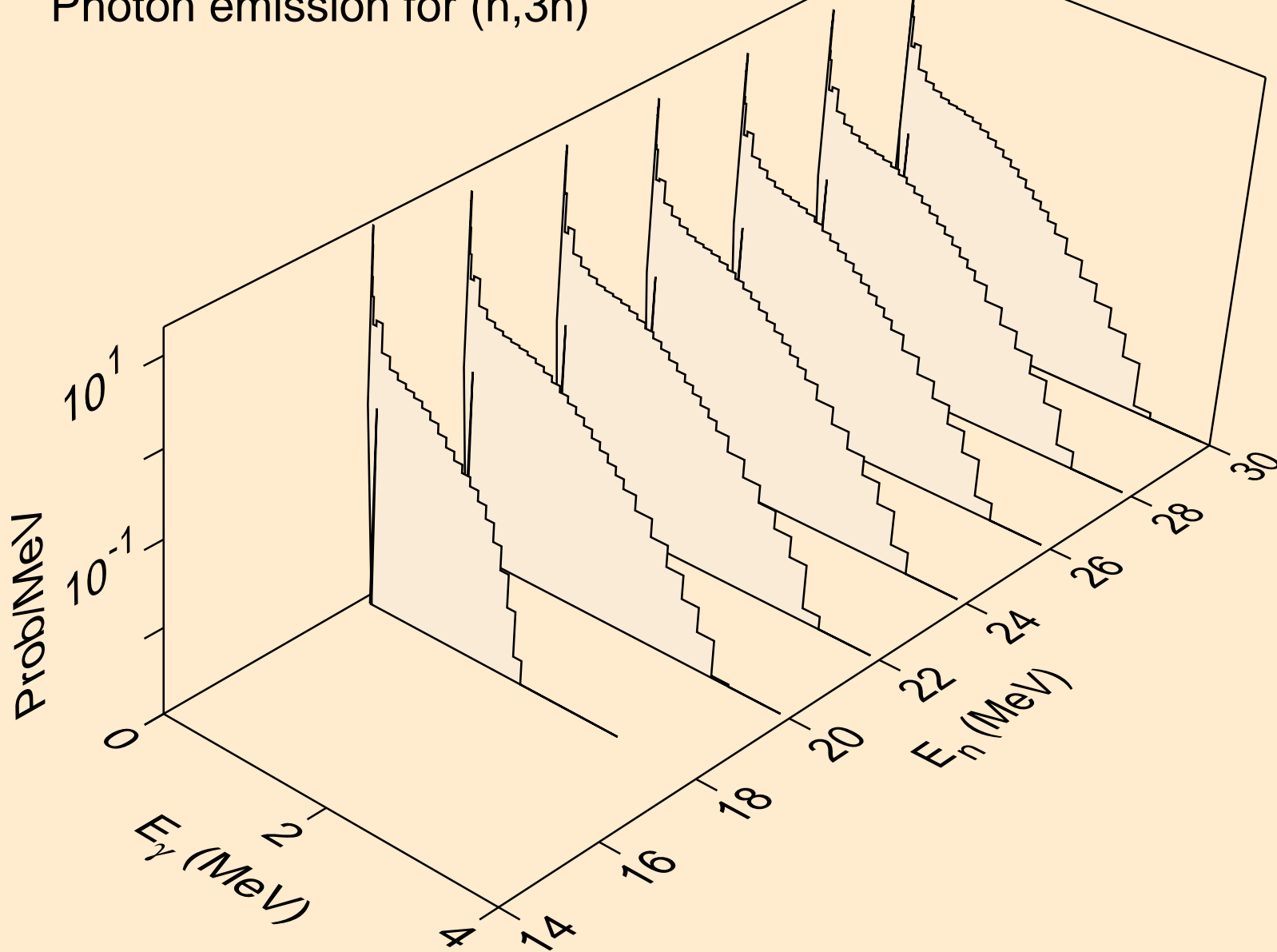
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Photon emission for (n,2nd)



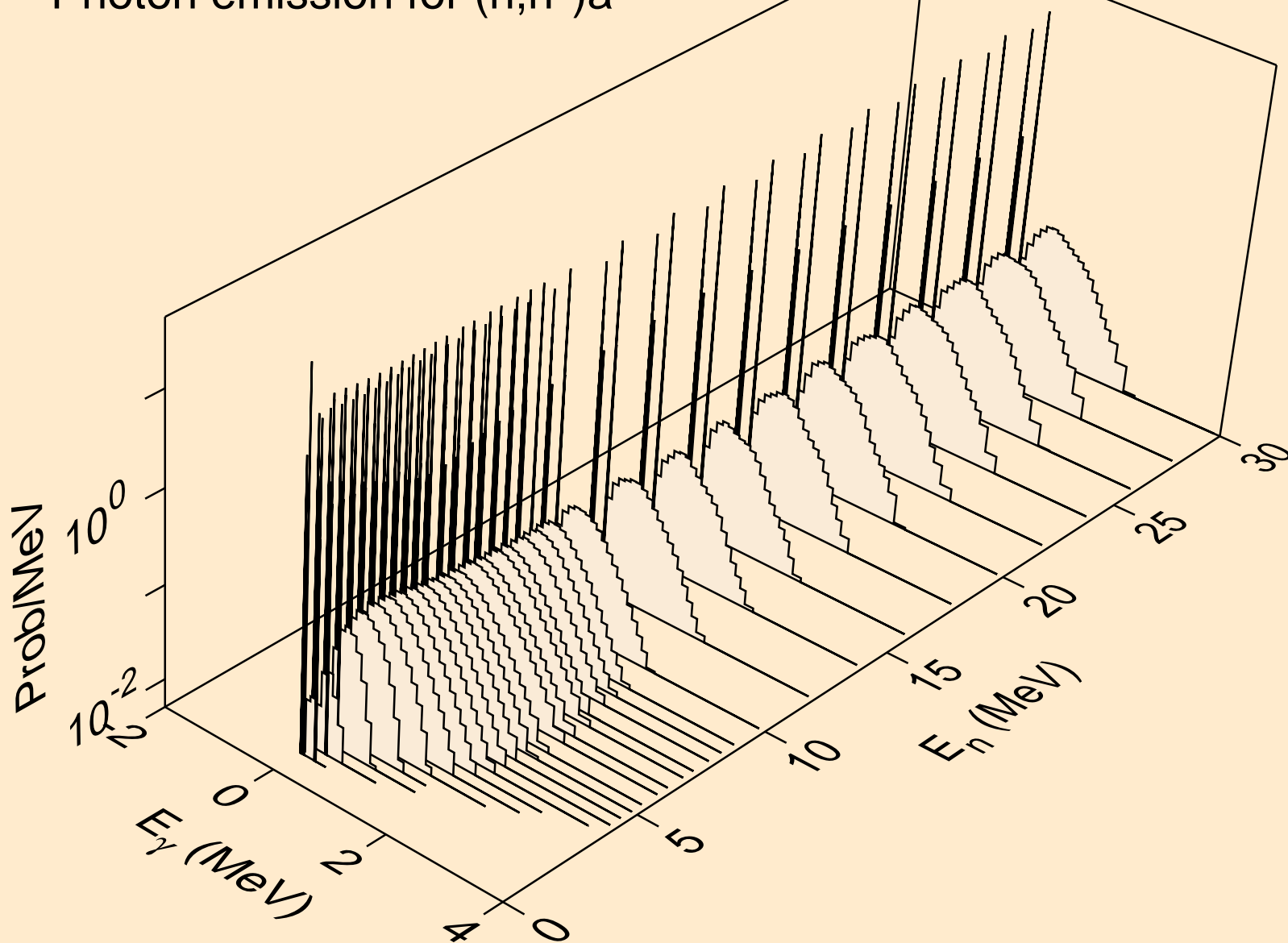
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



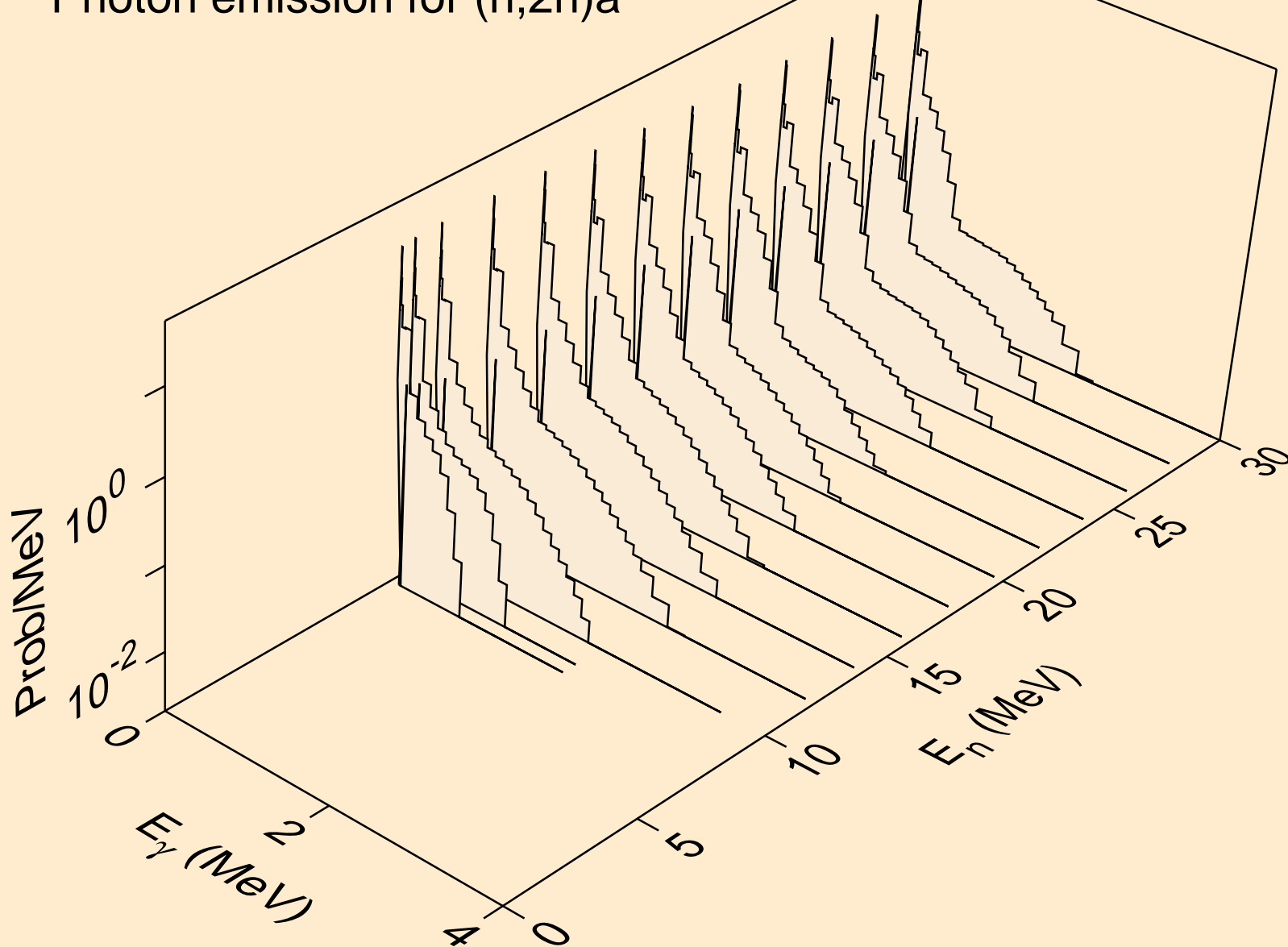
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Photon emission for (n,3n)



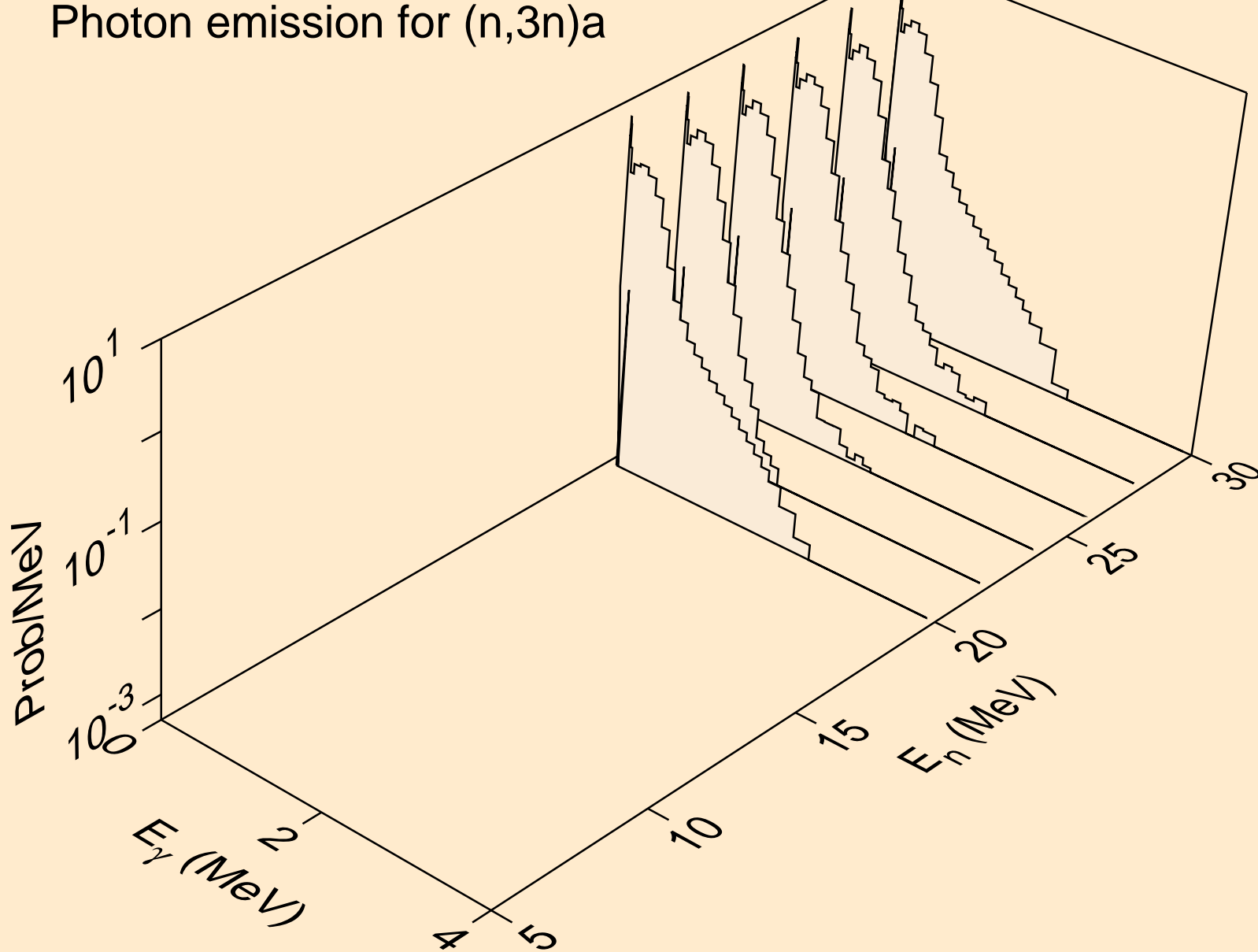
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



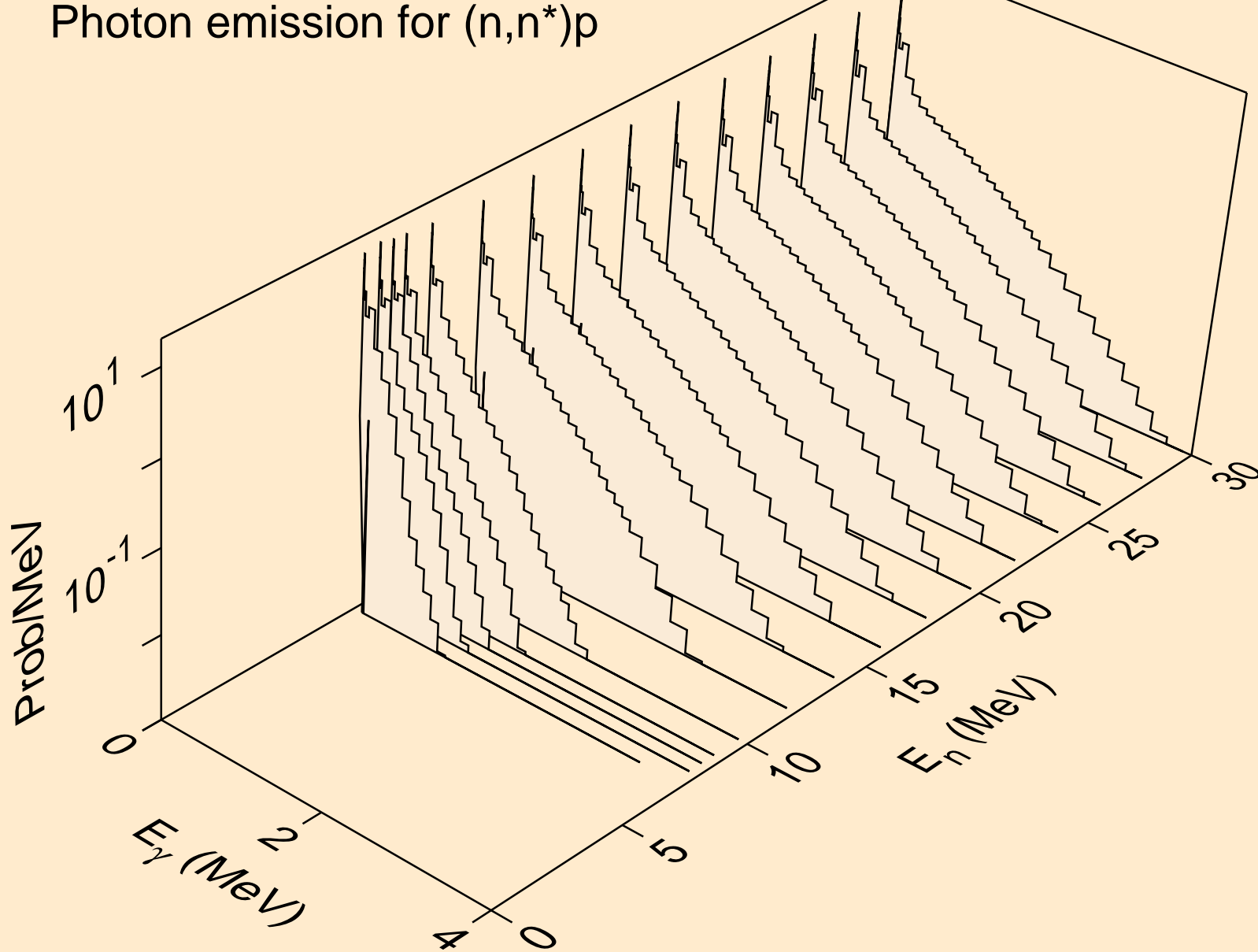
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



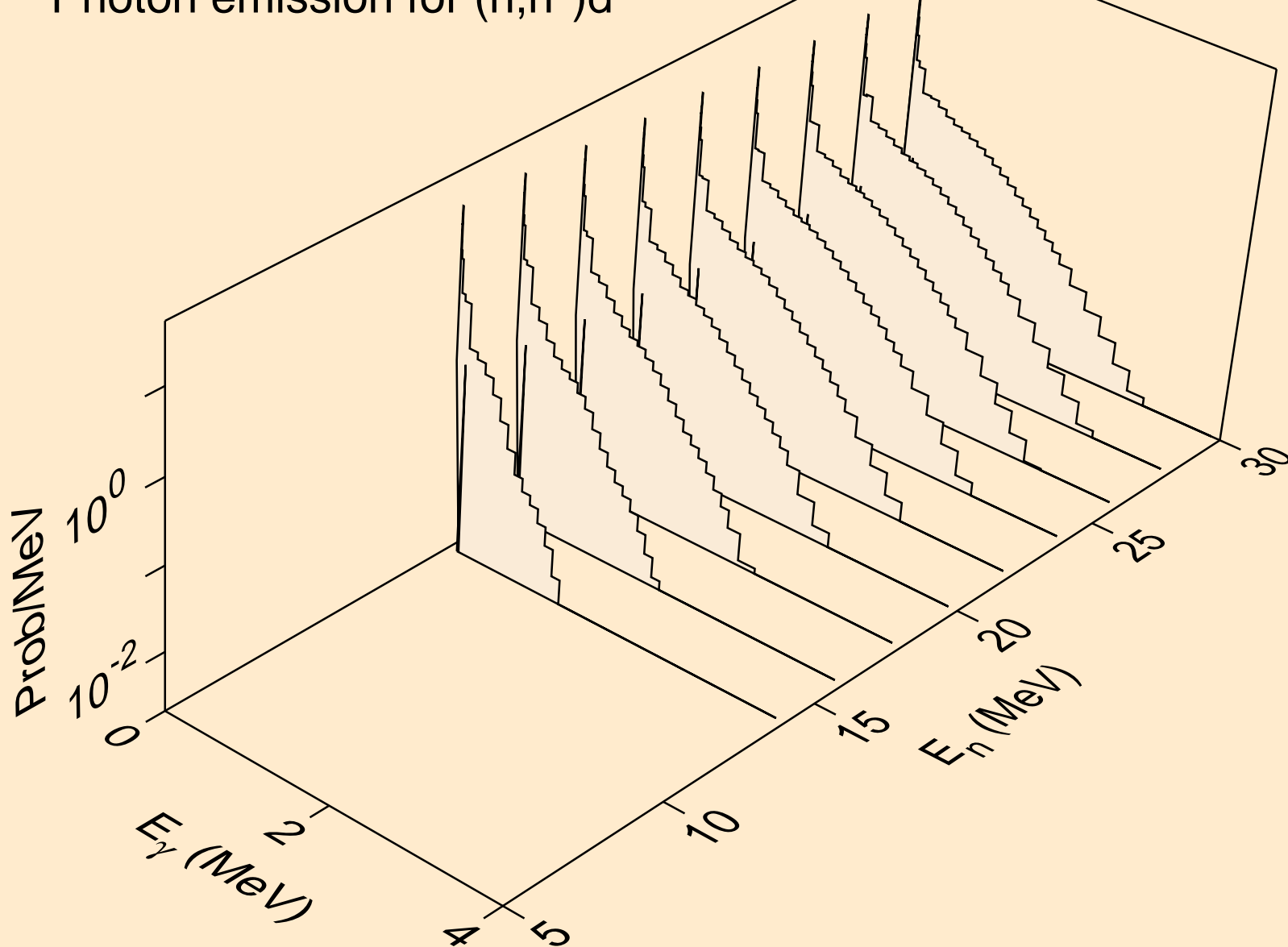
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



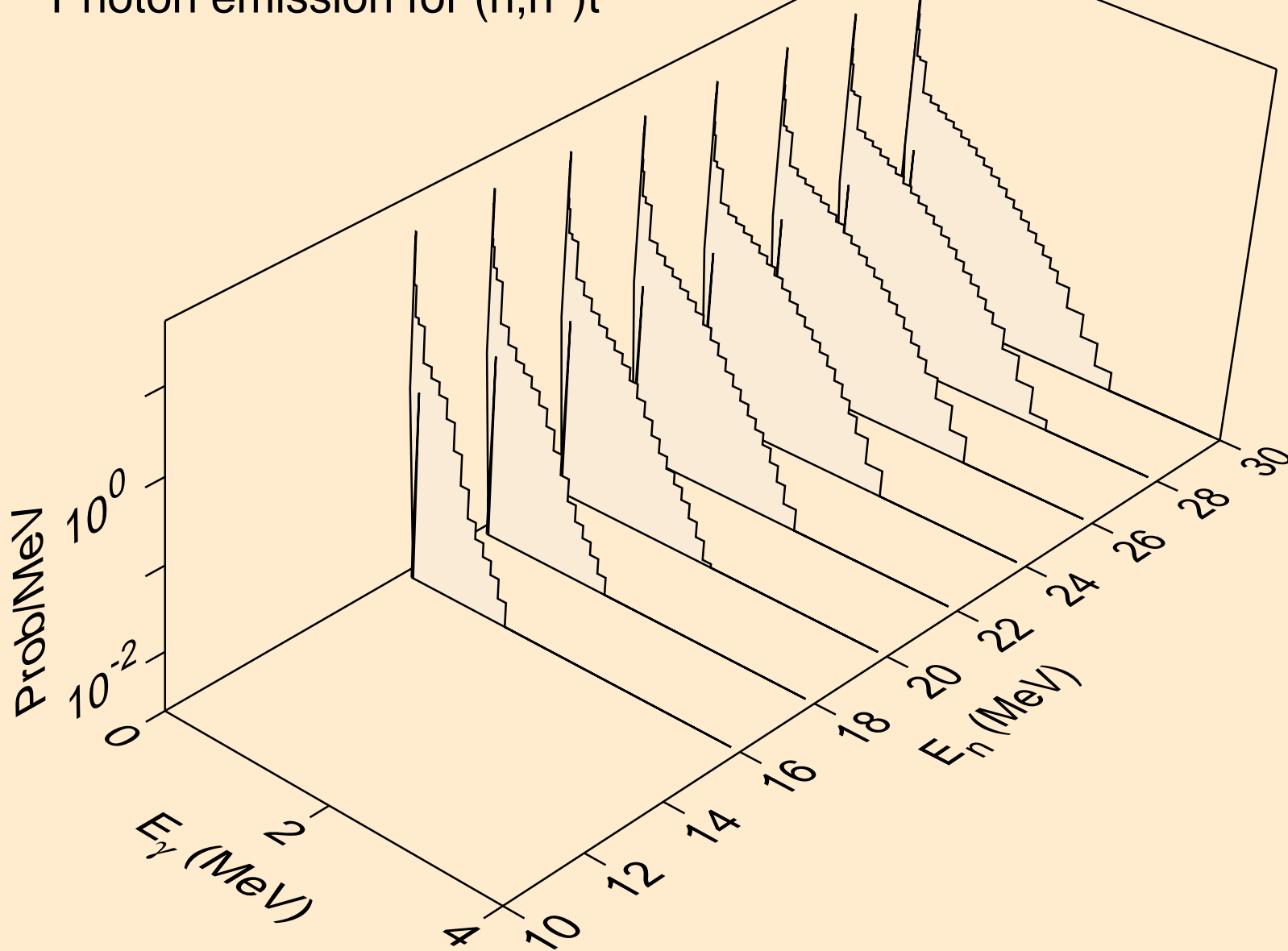
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



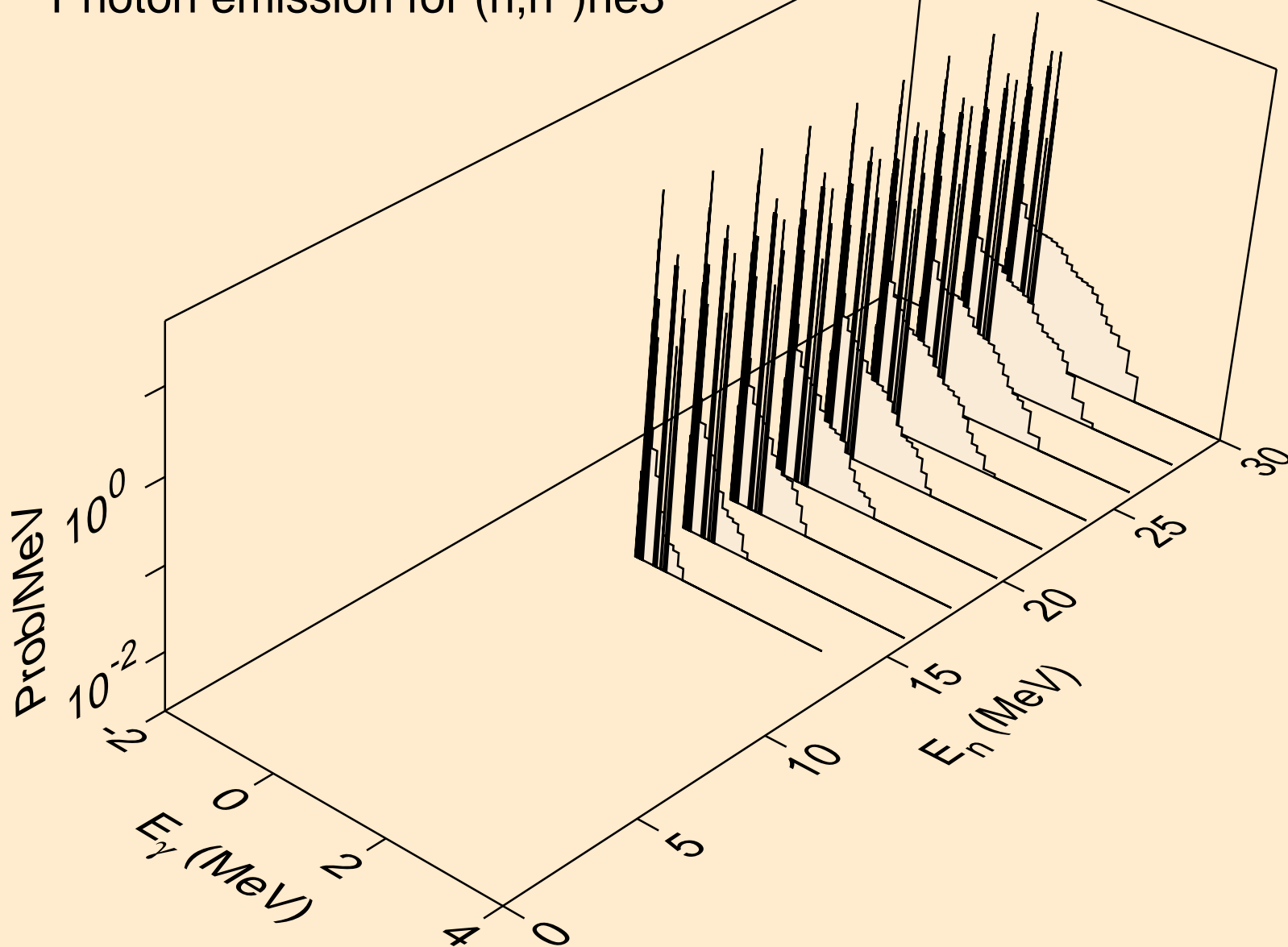
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



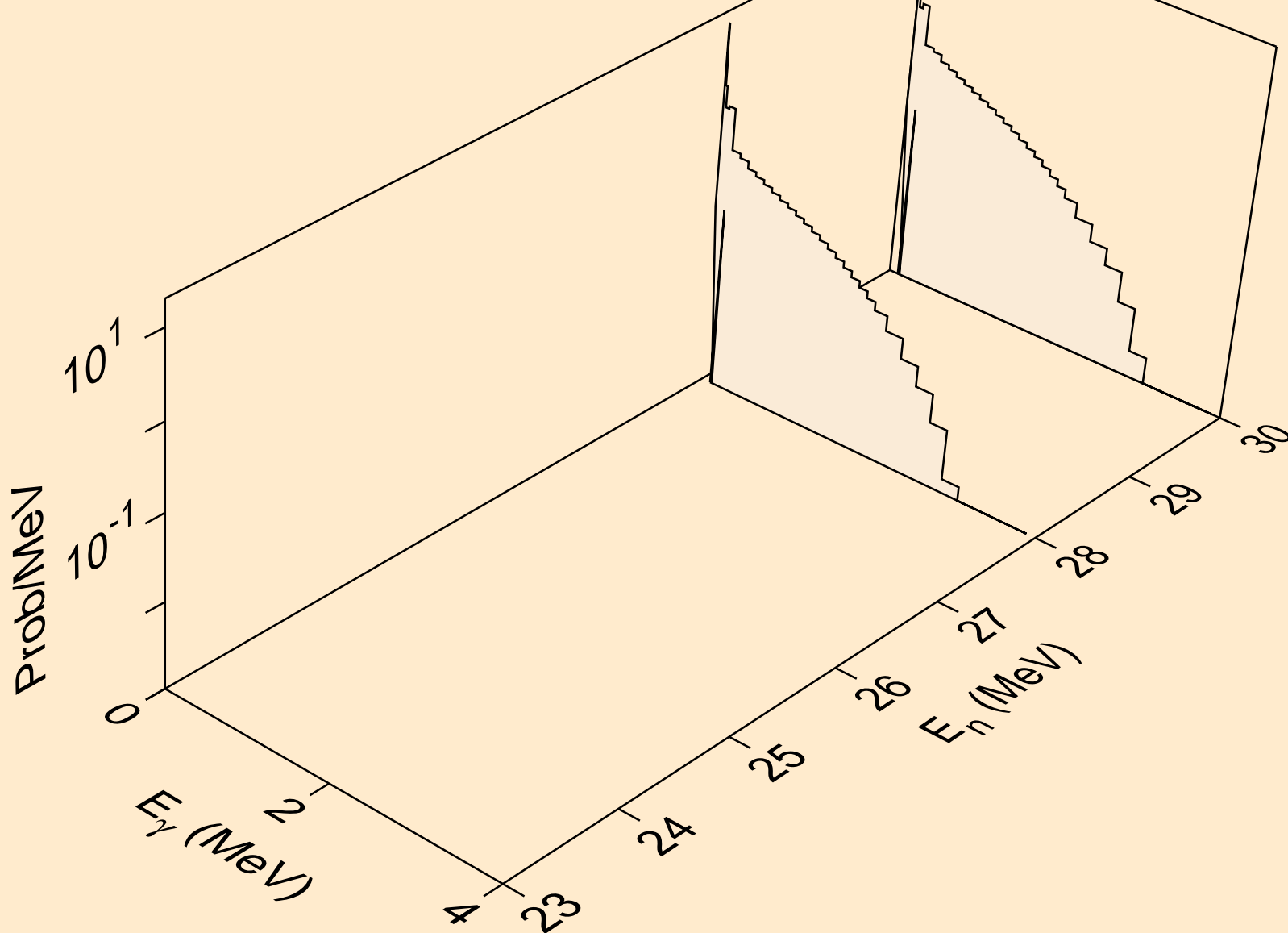
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



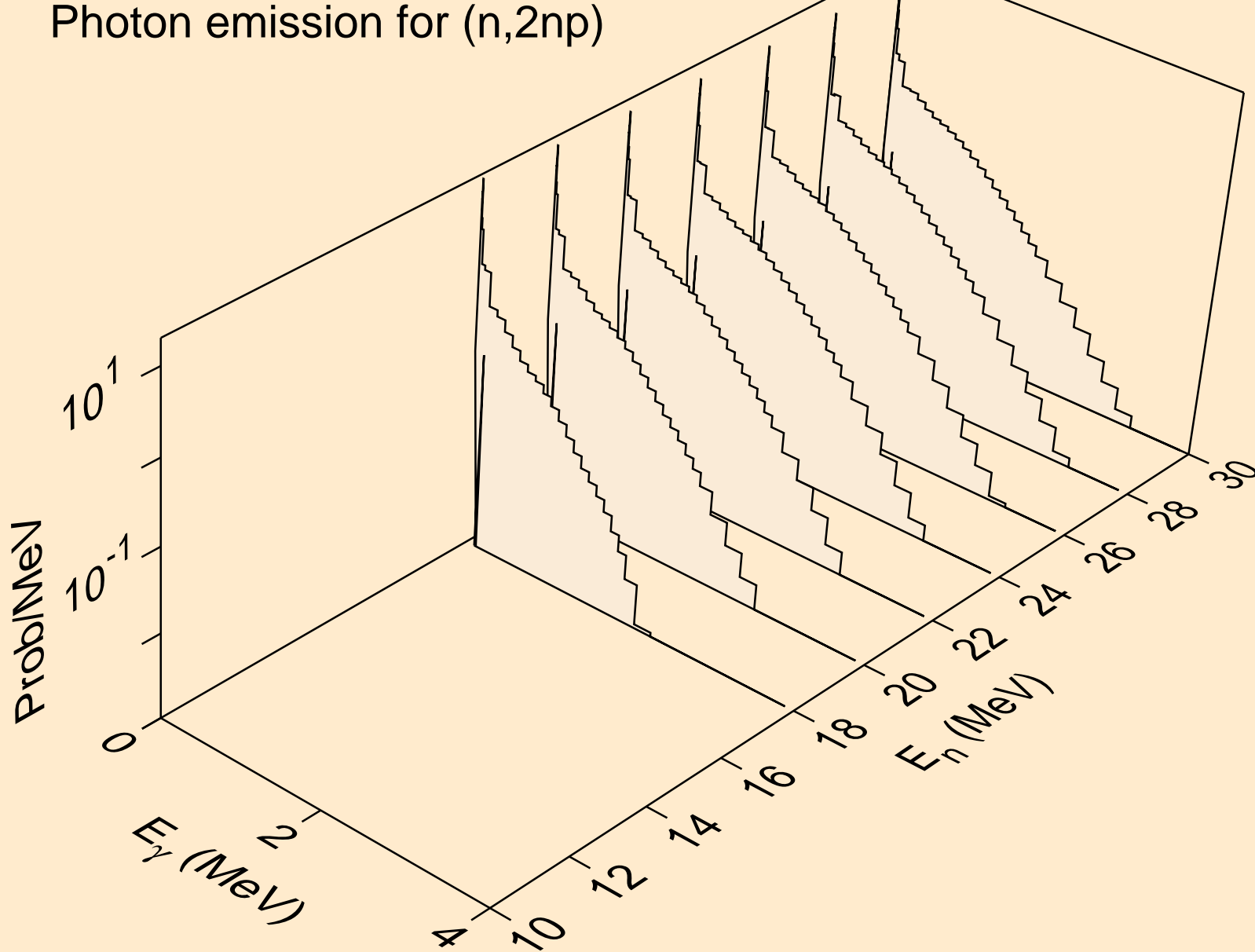
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



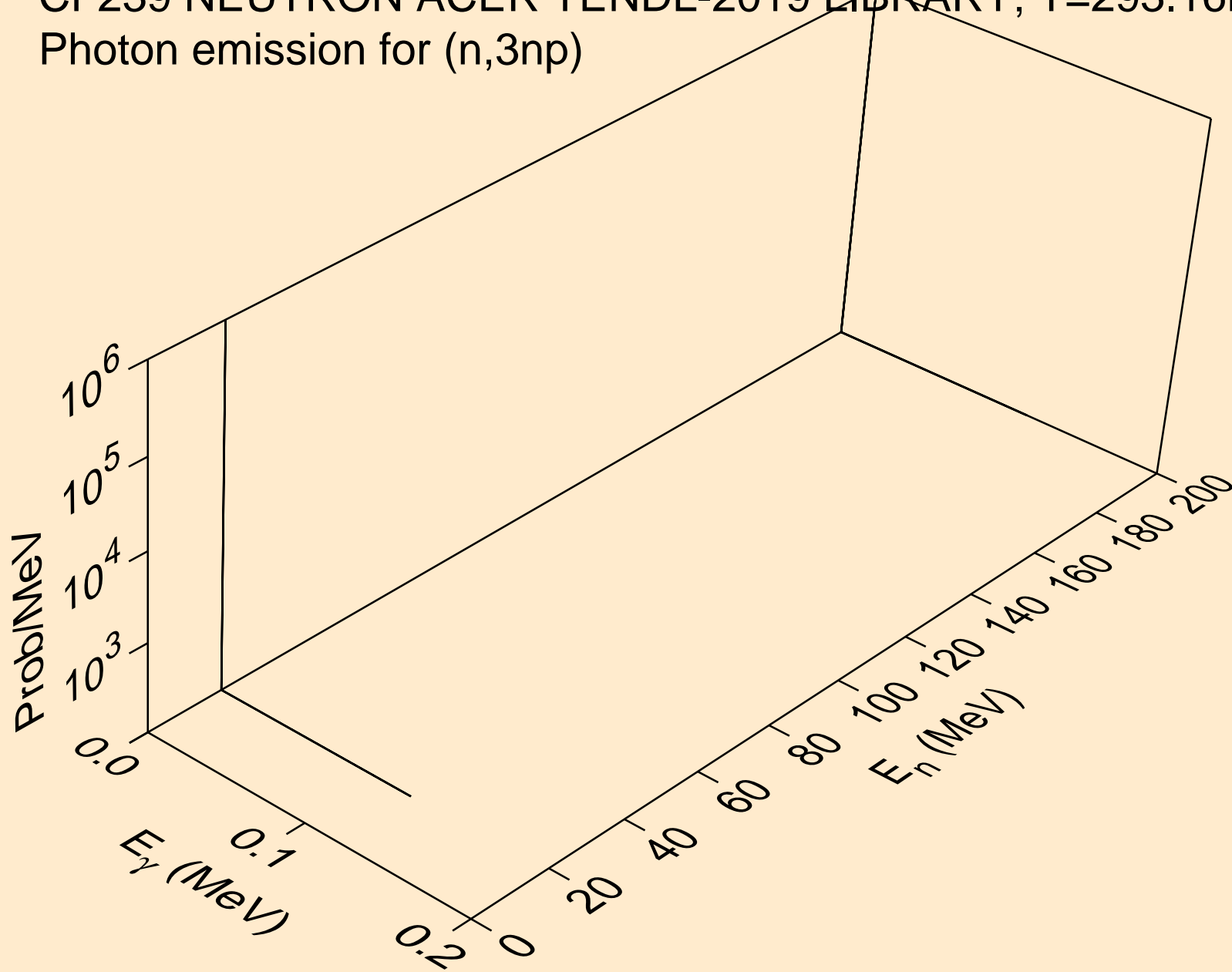
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



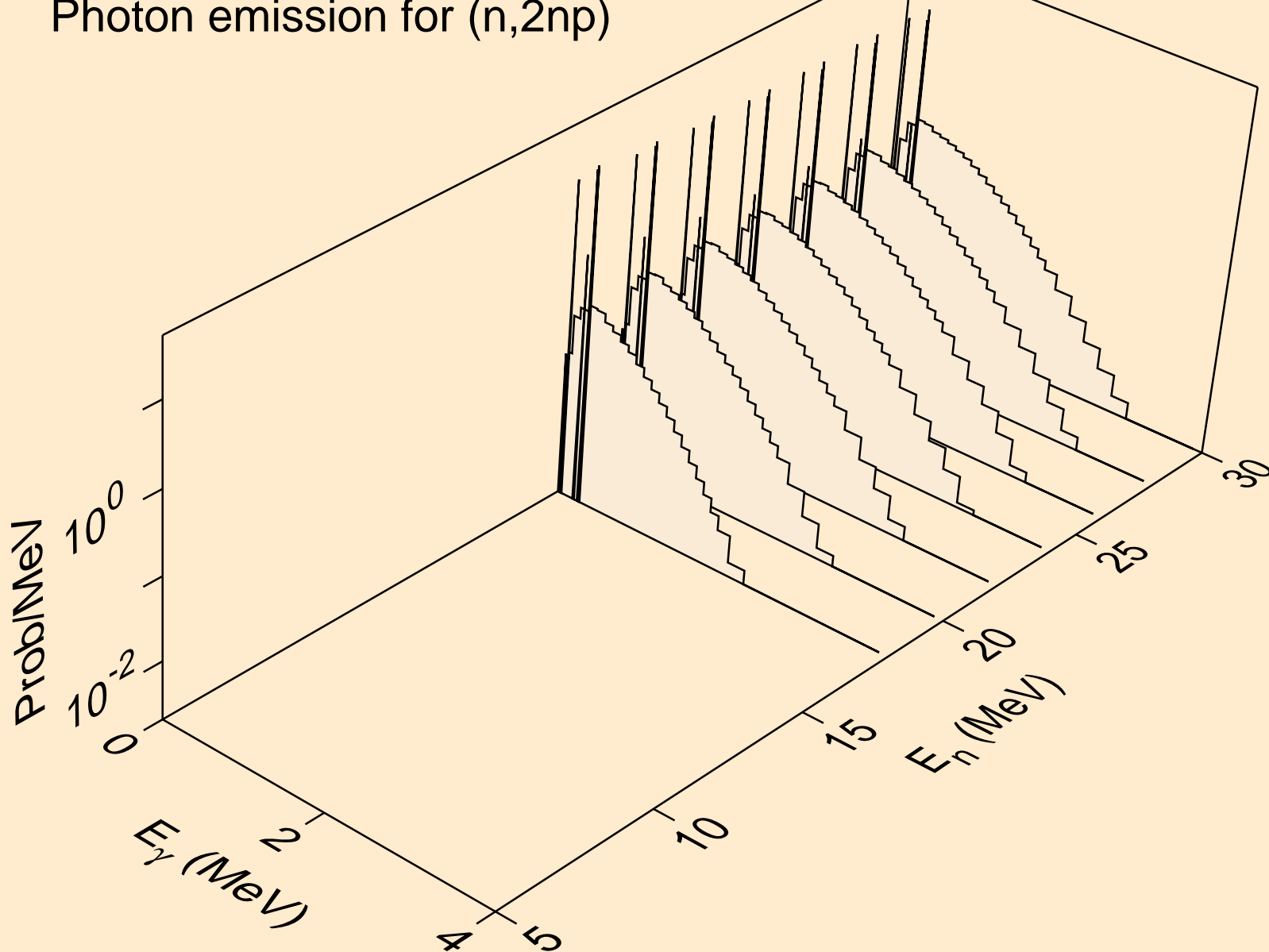
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



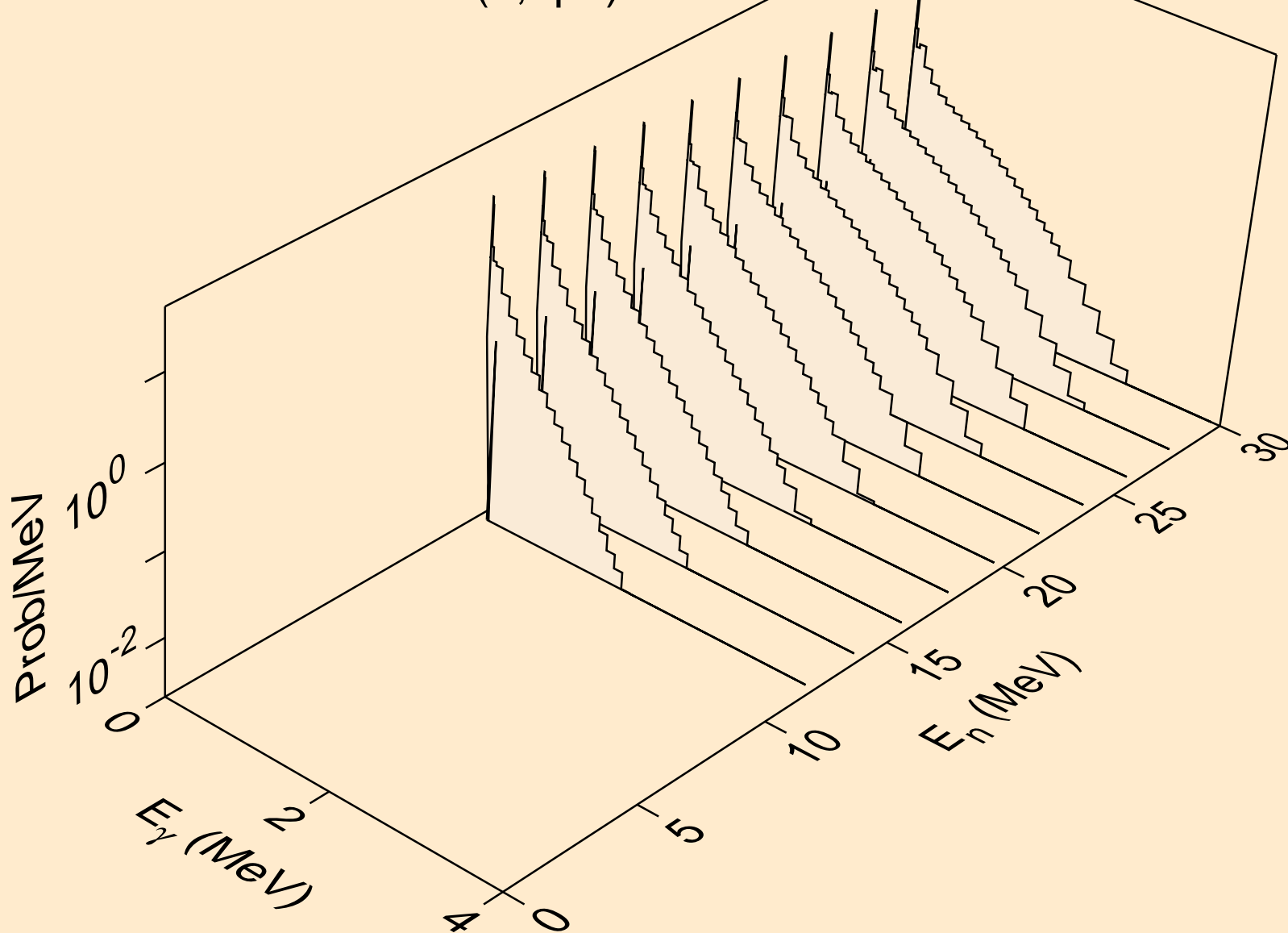
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



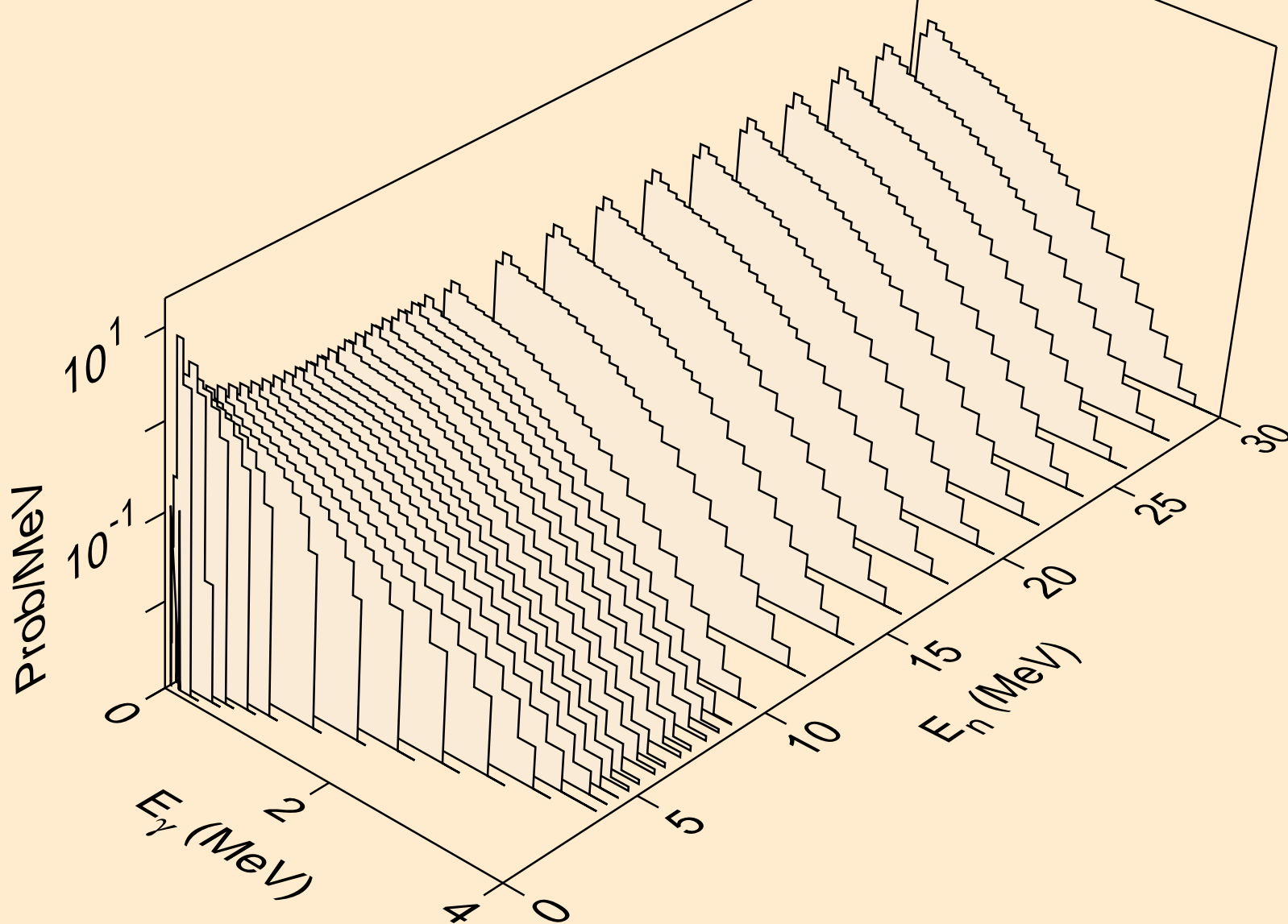
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Photon emission for (n,2np)



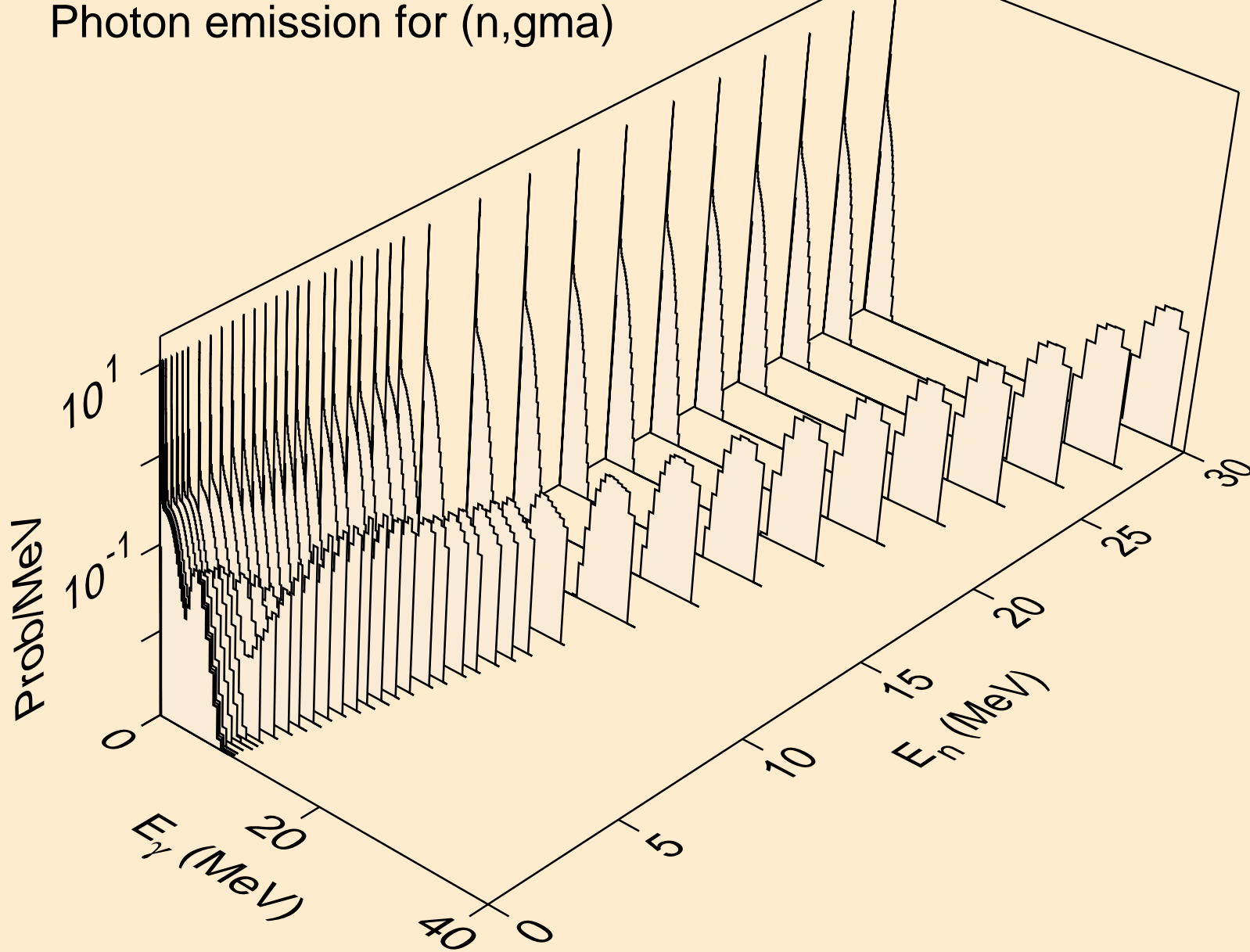
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



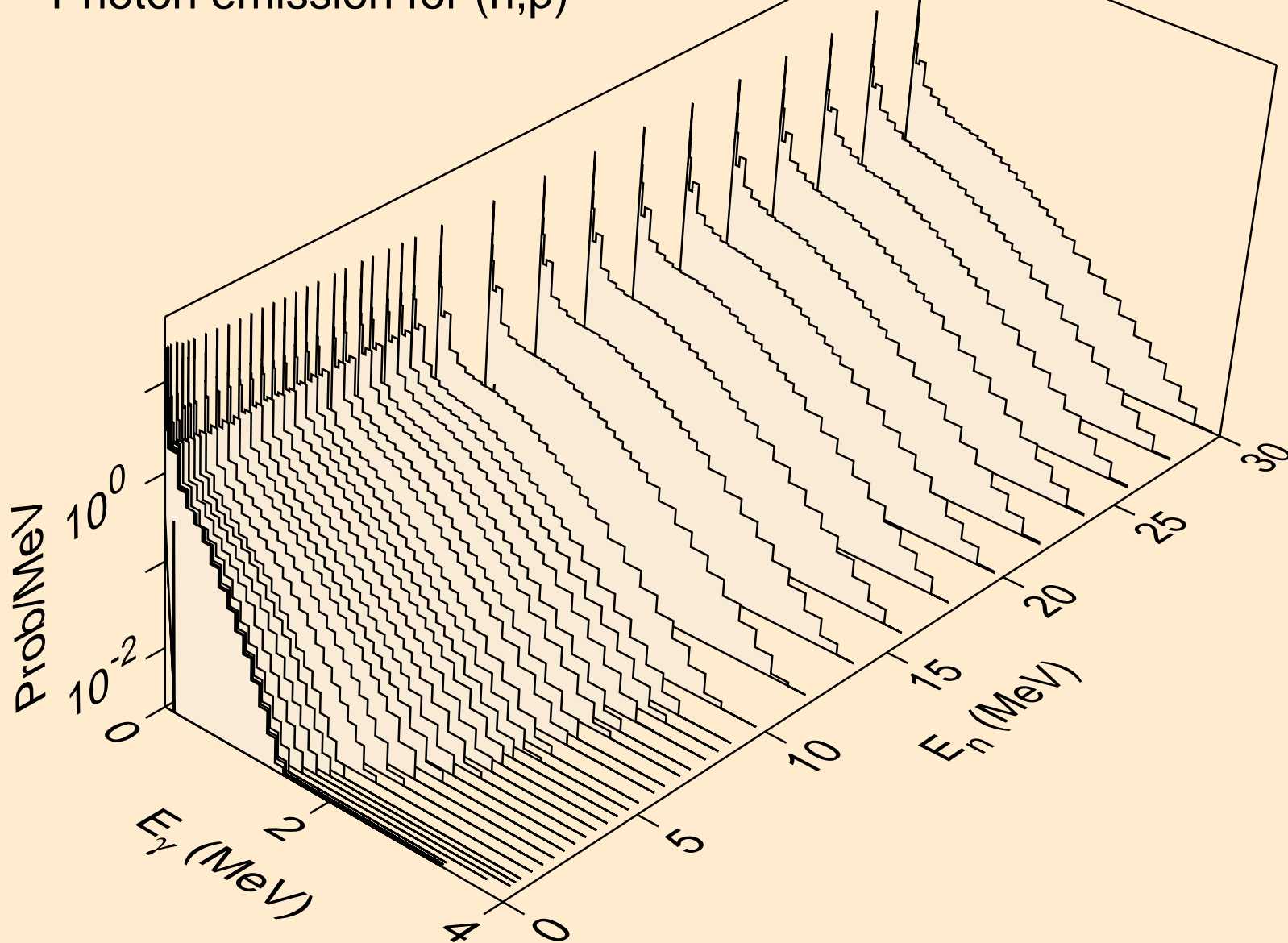
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



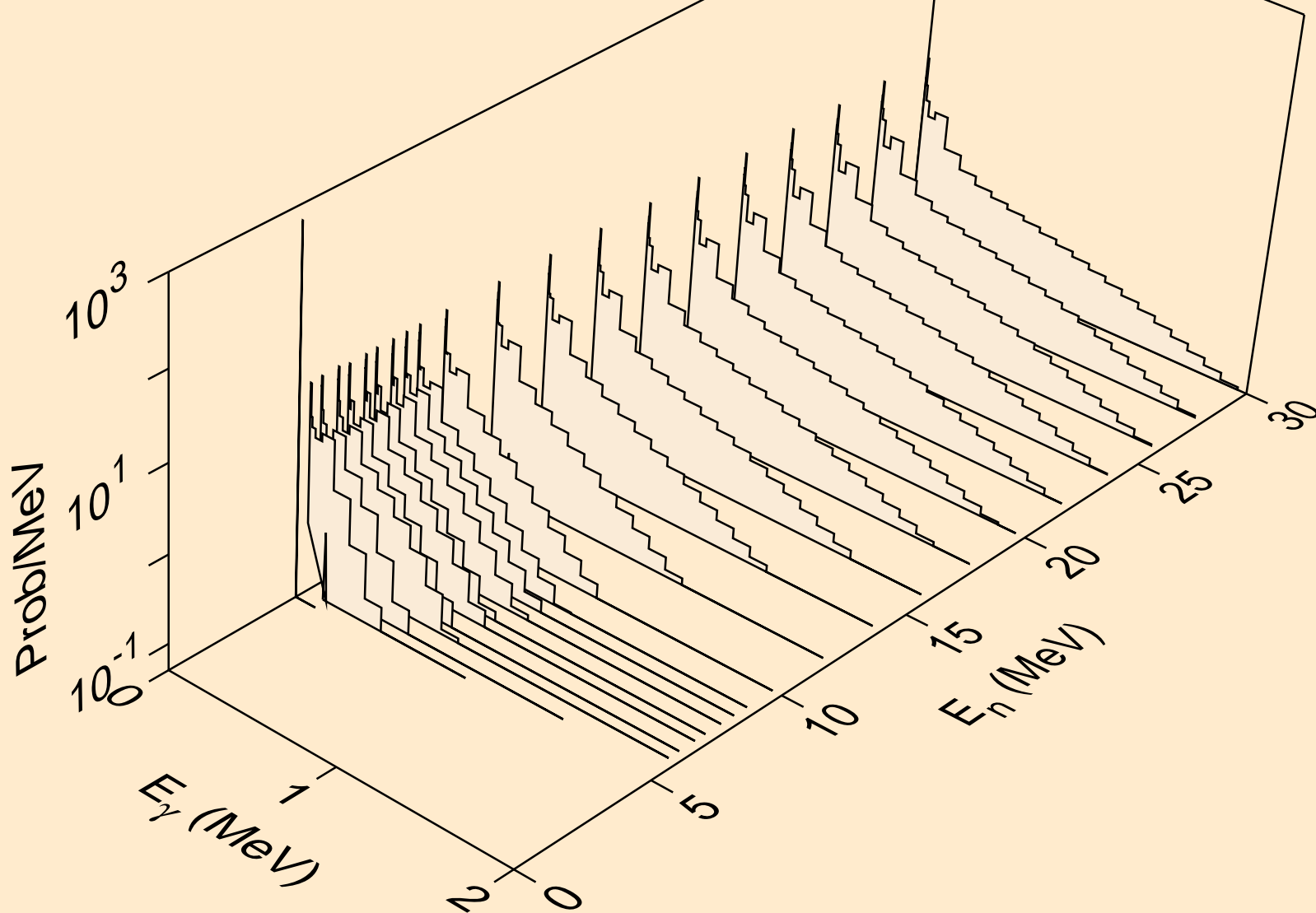
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



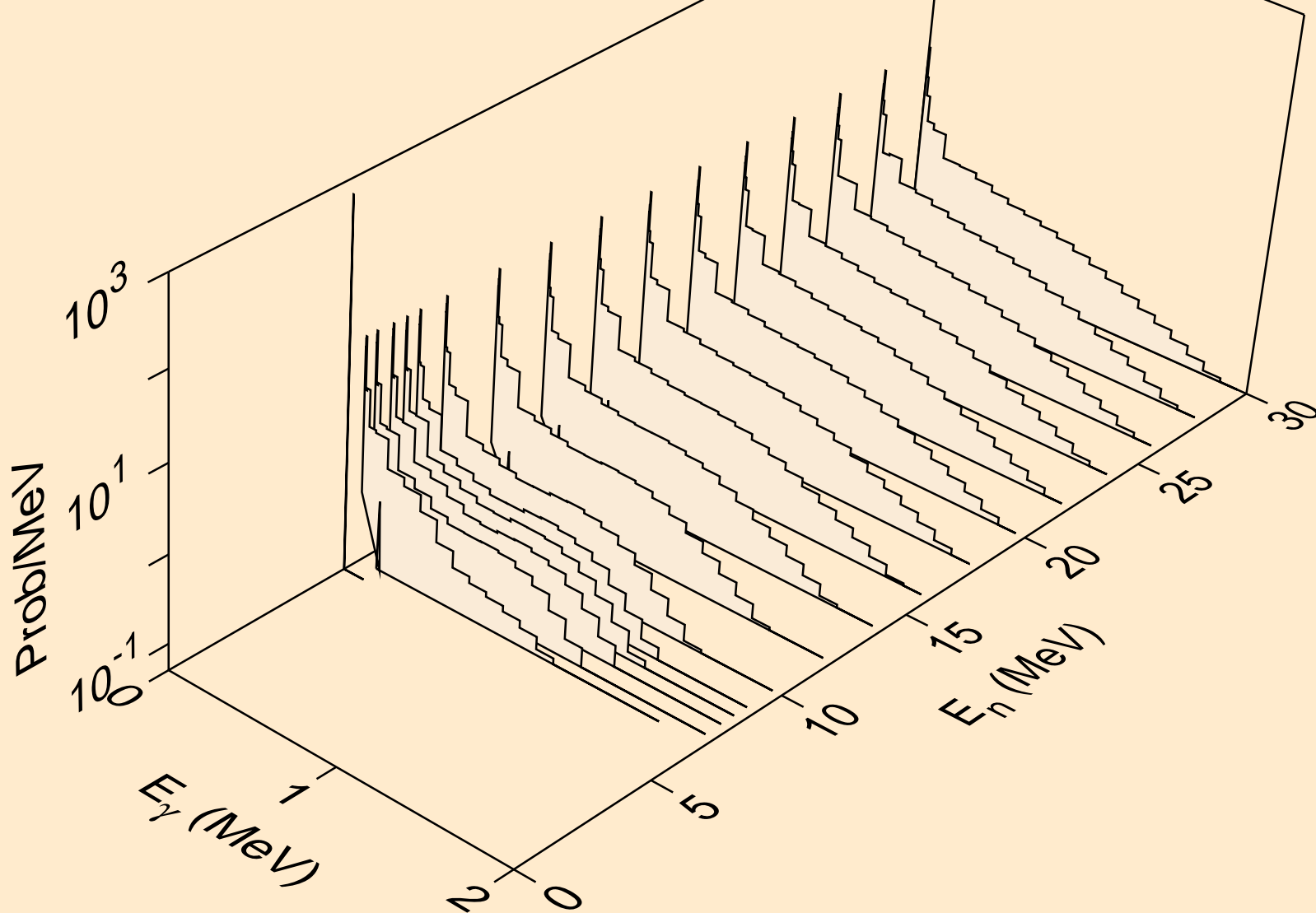
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



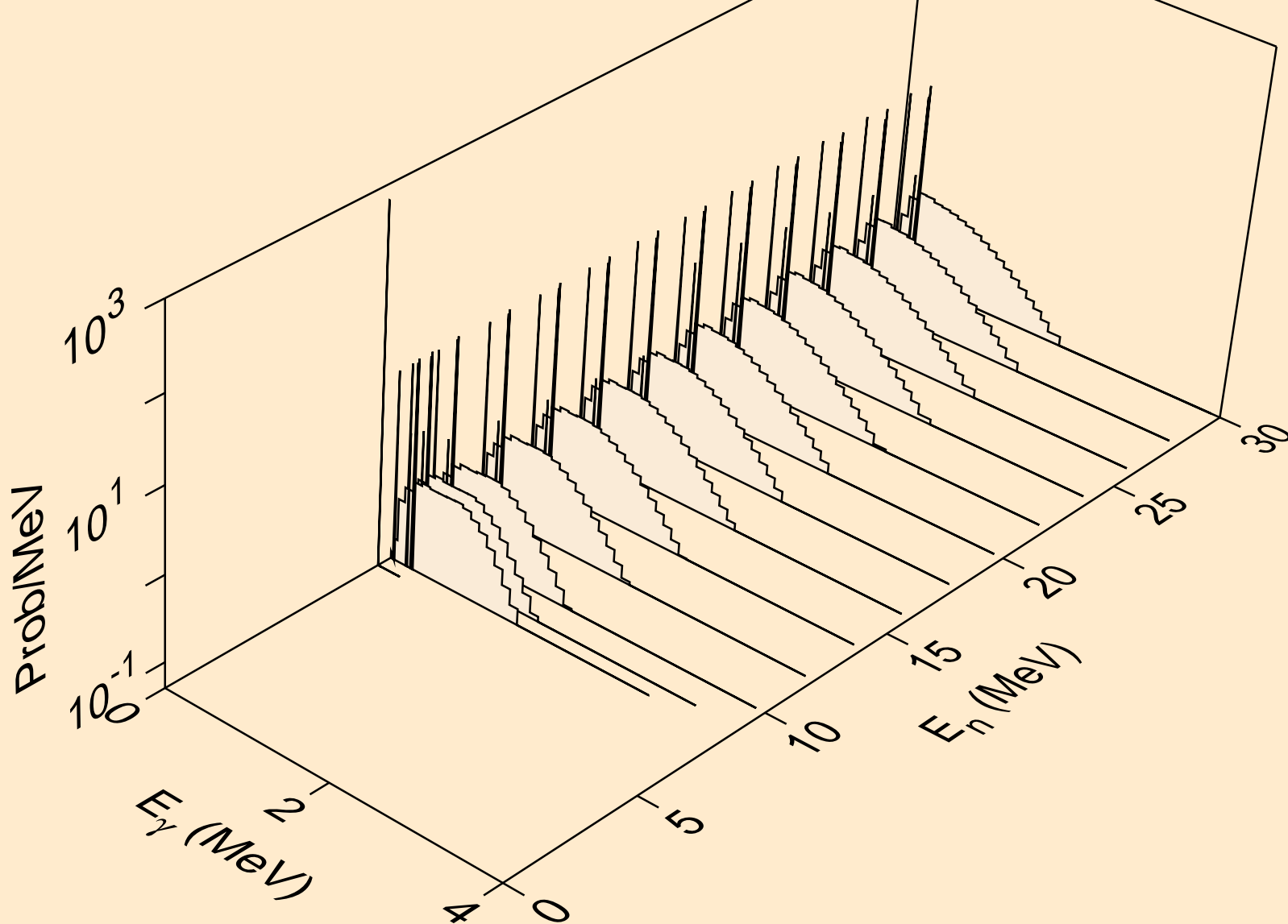
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



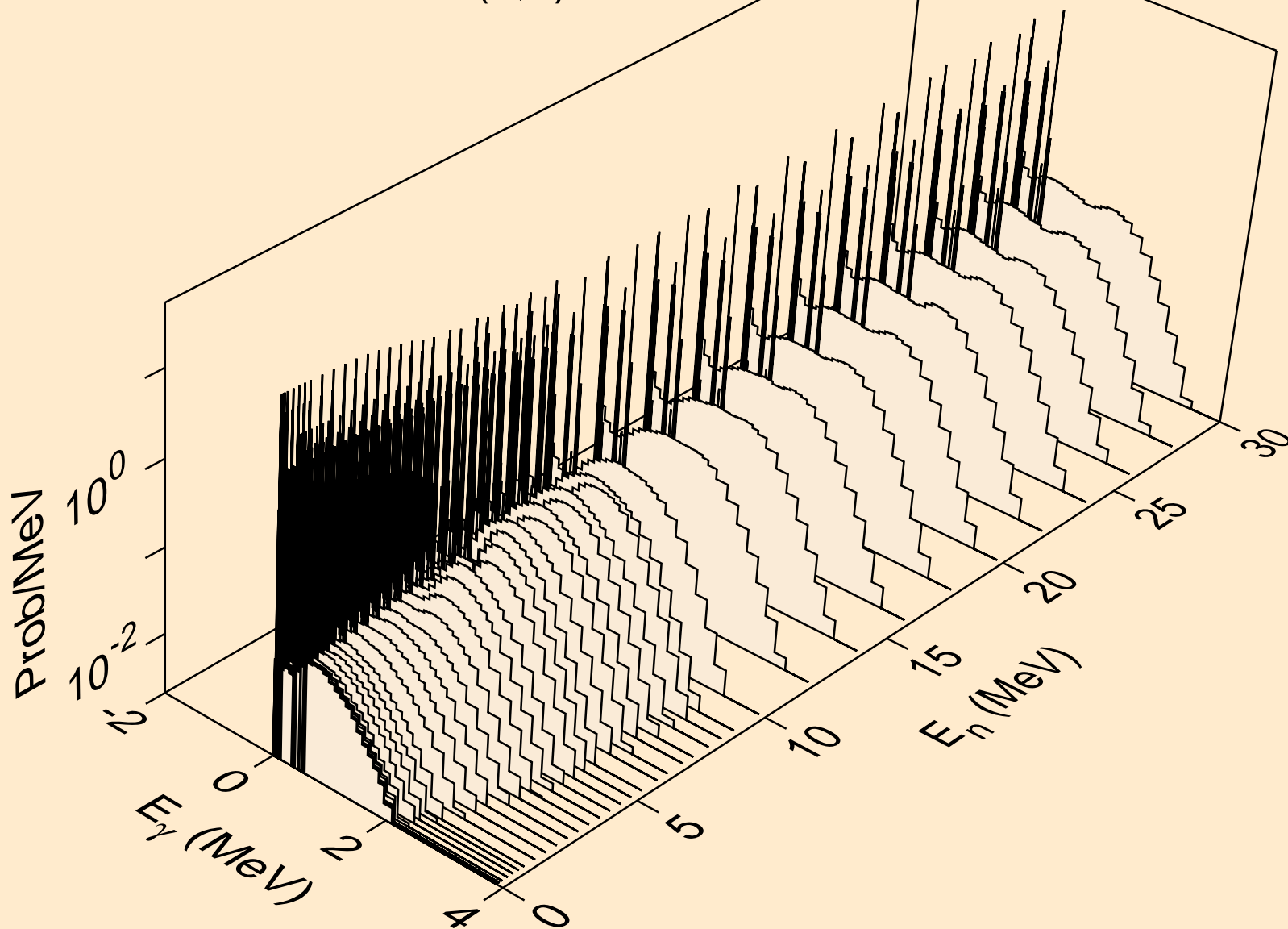
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



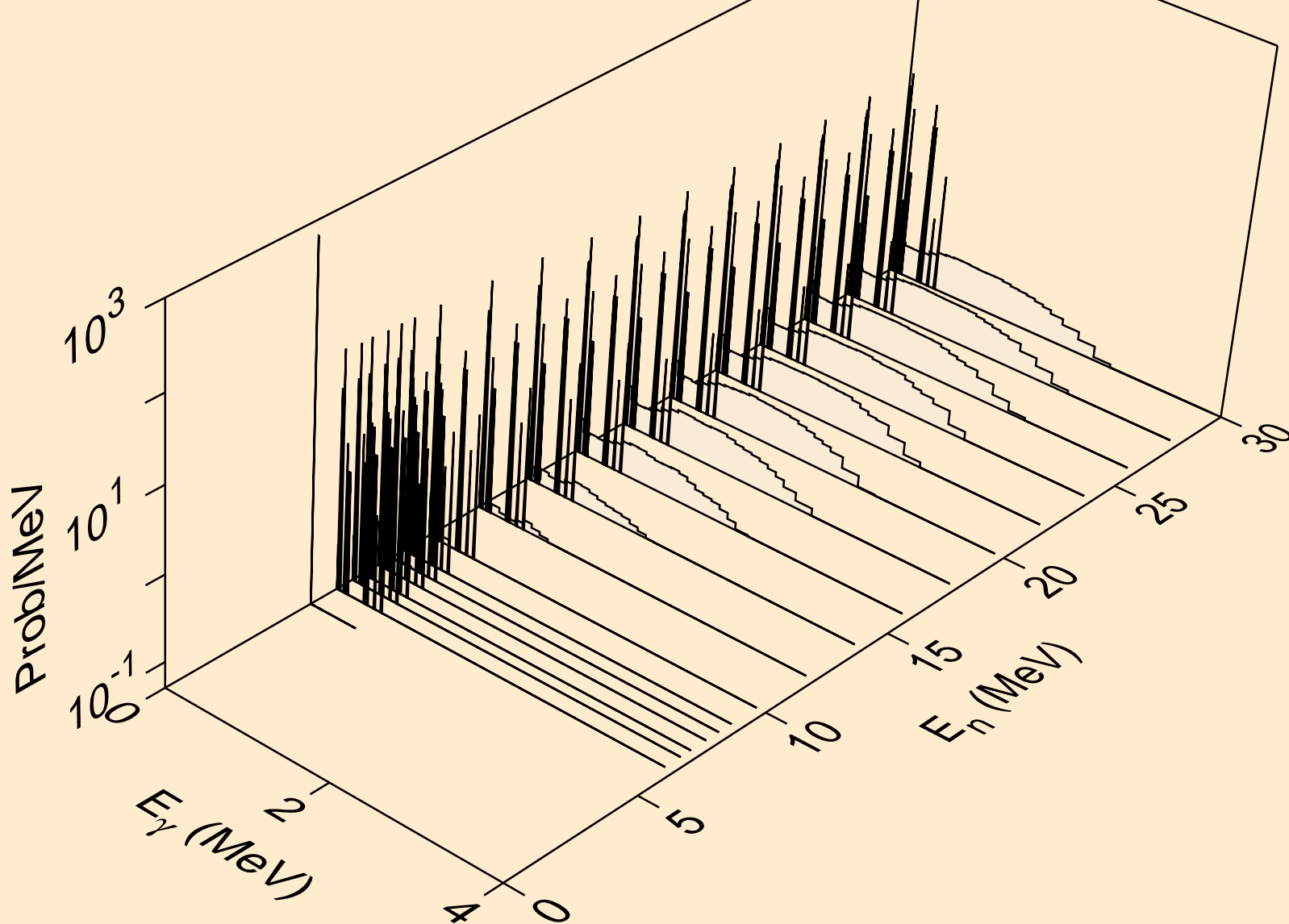
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



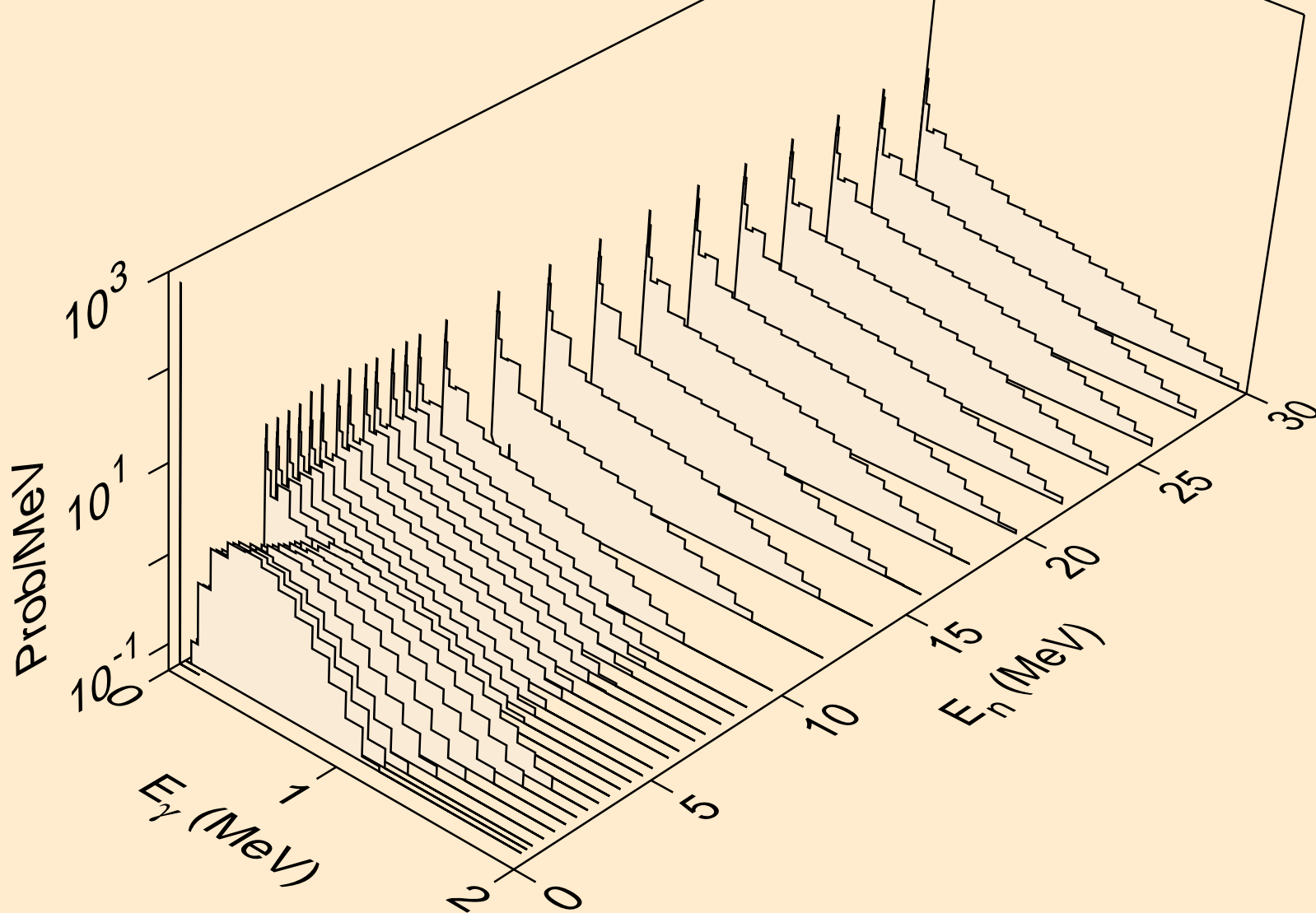
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



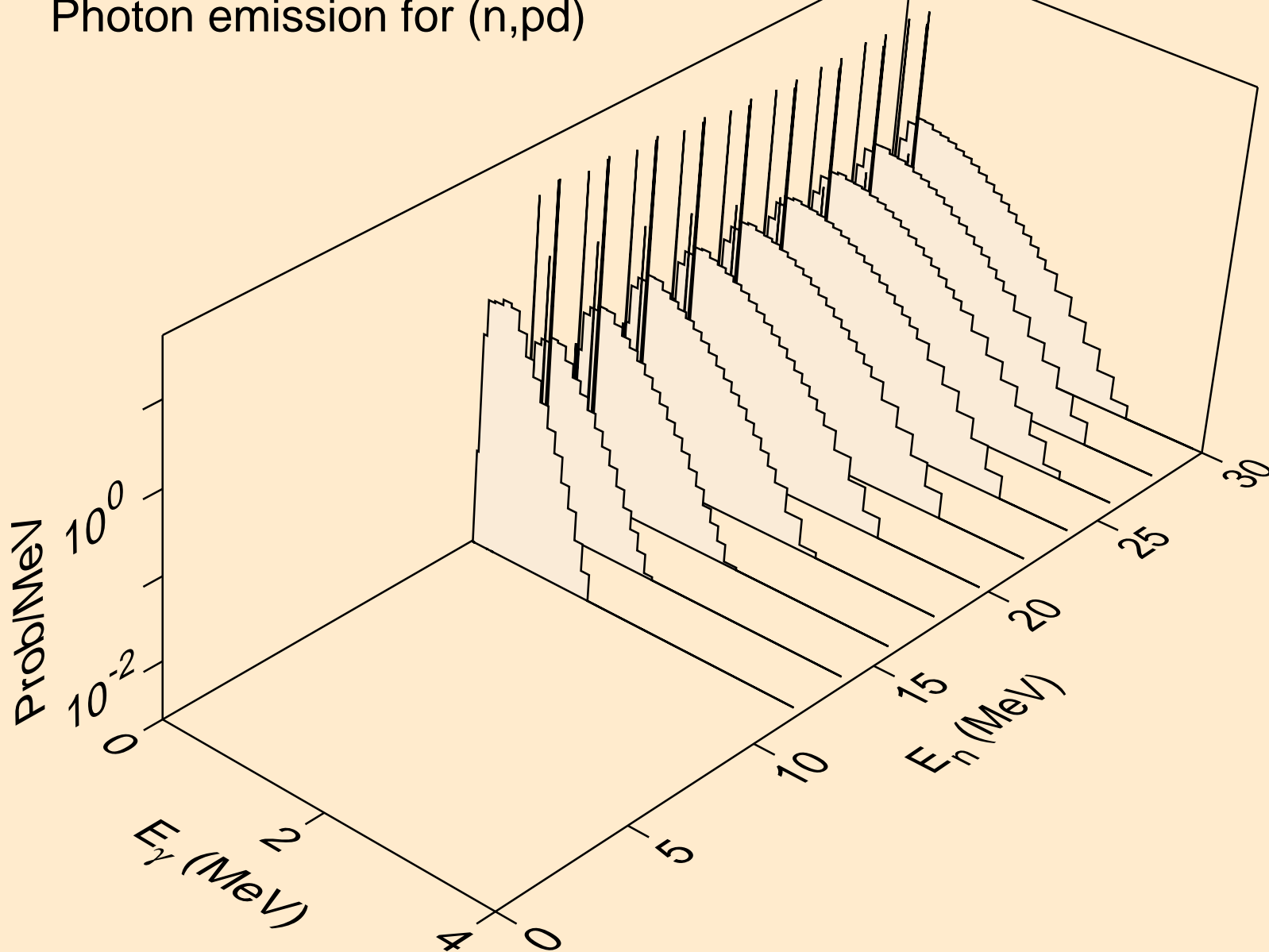
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



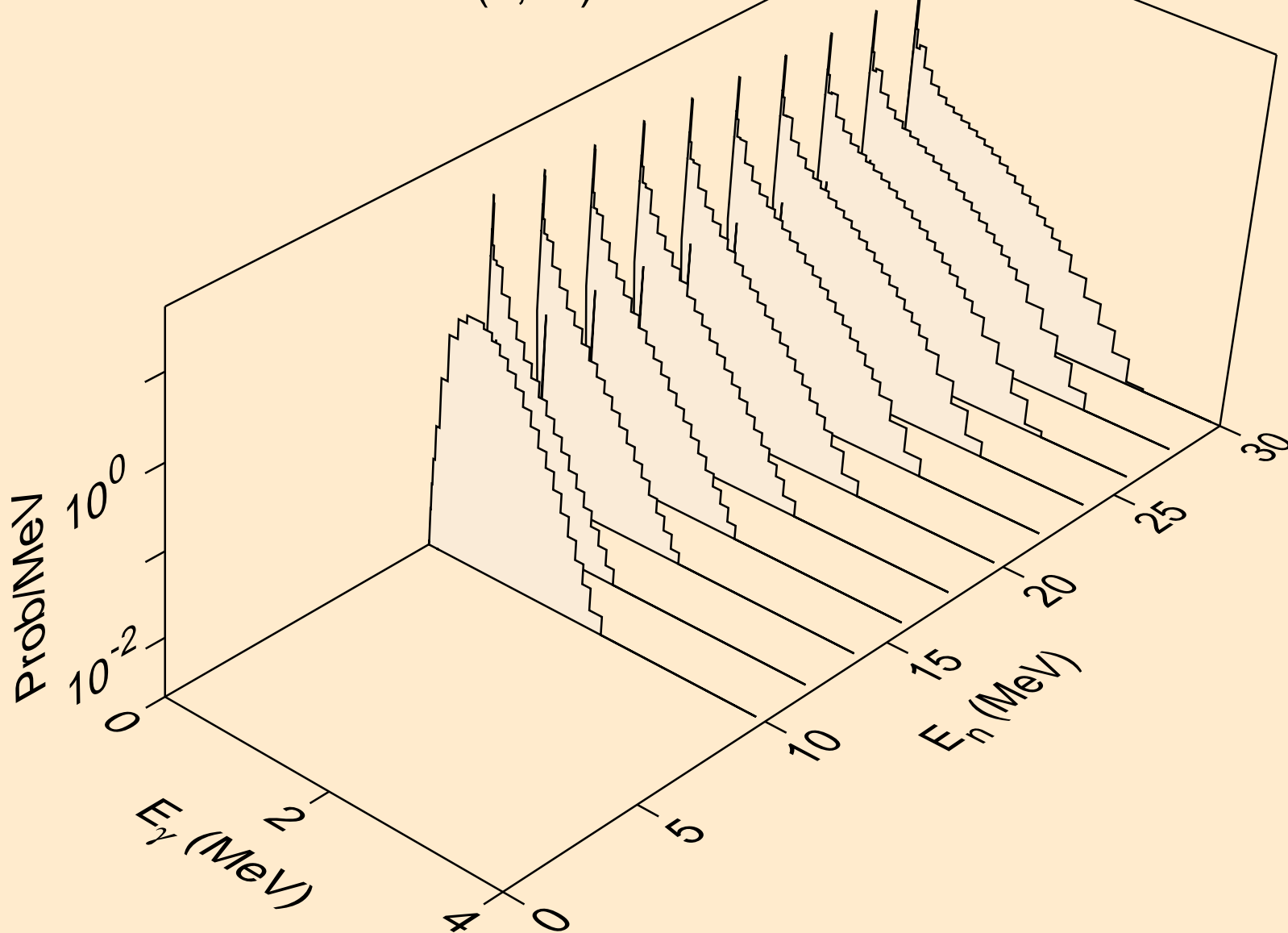
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



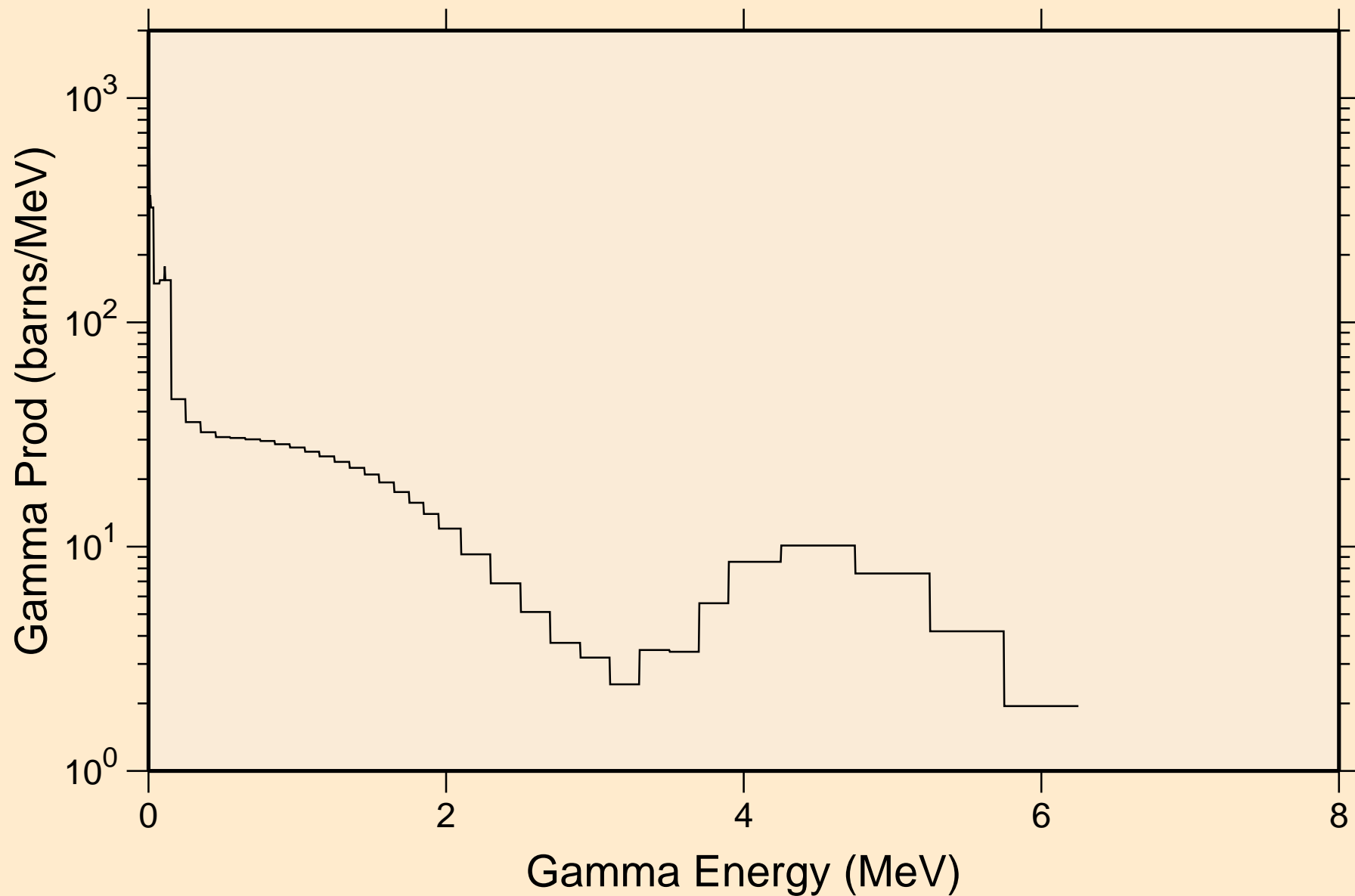
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



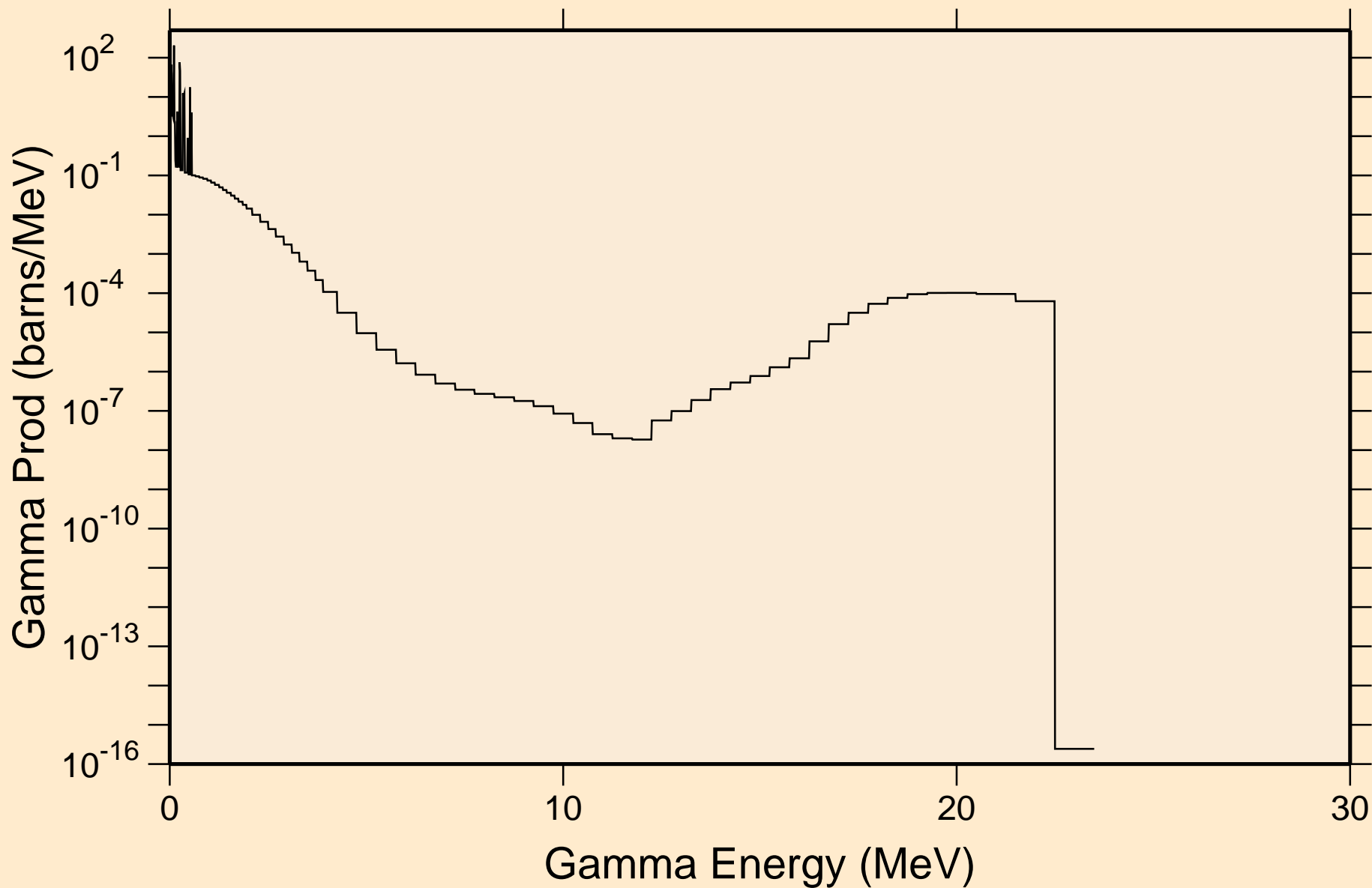
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

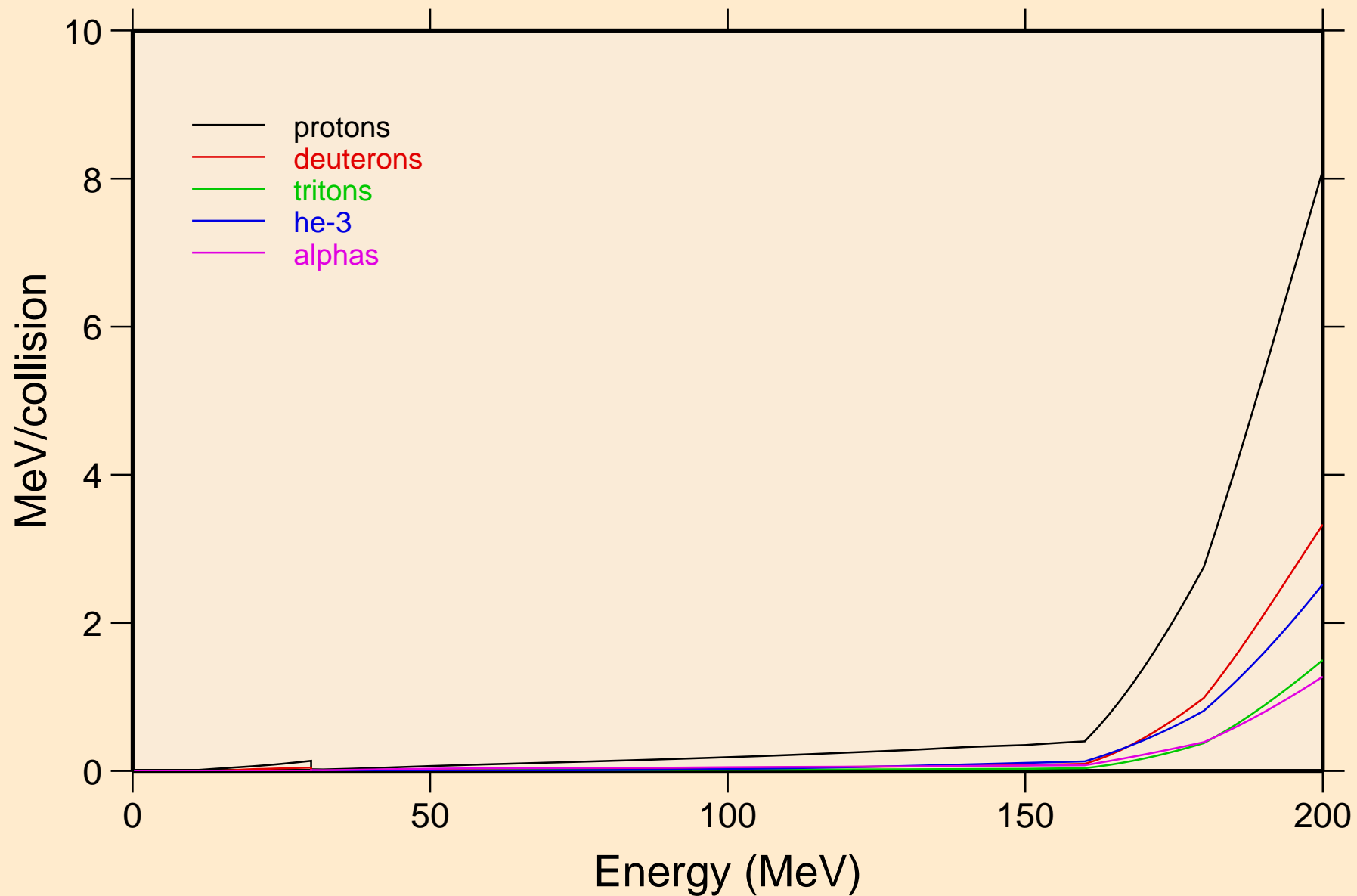


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

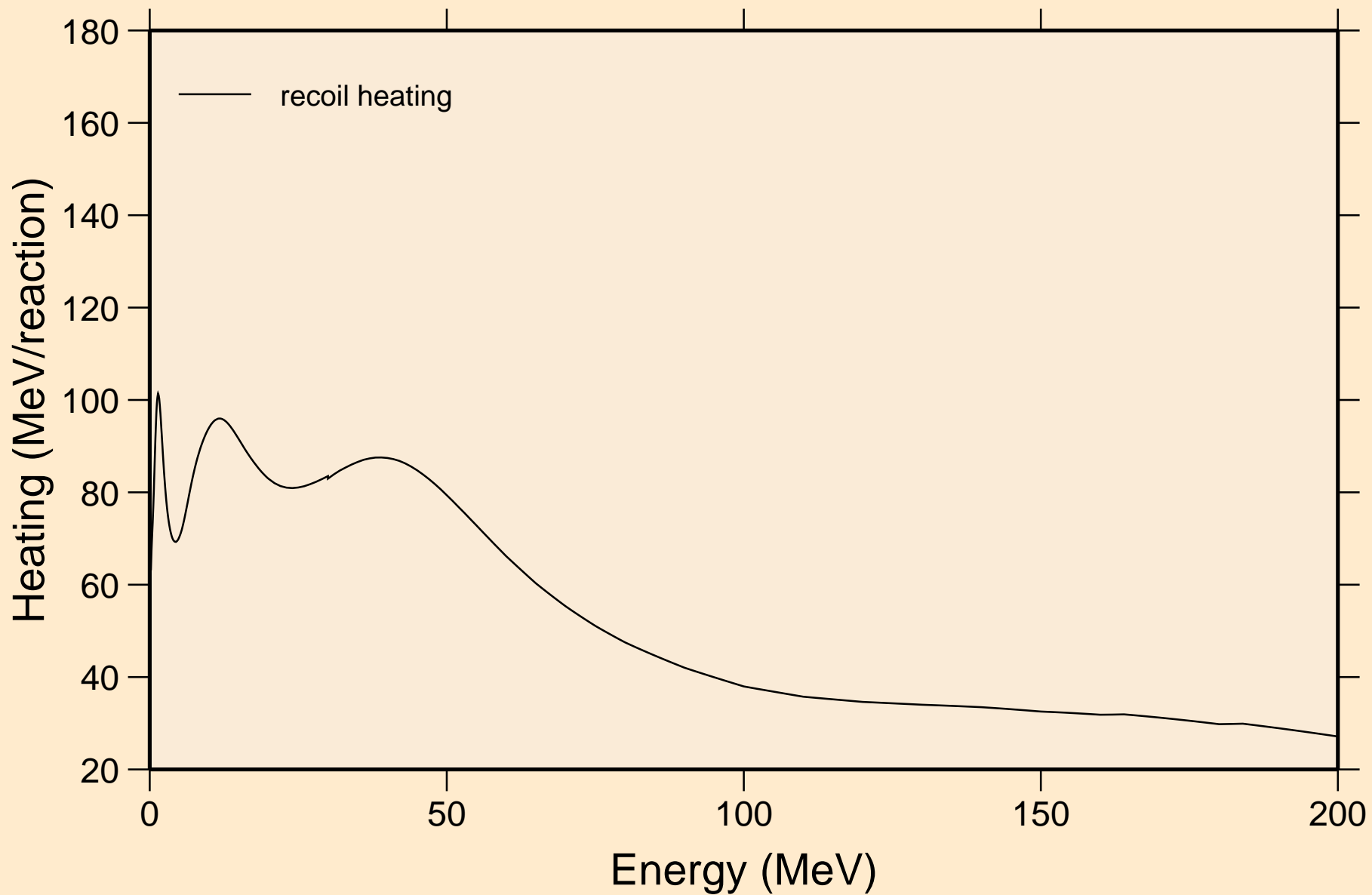


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

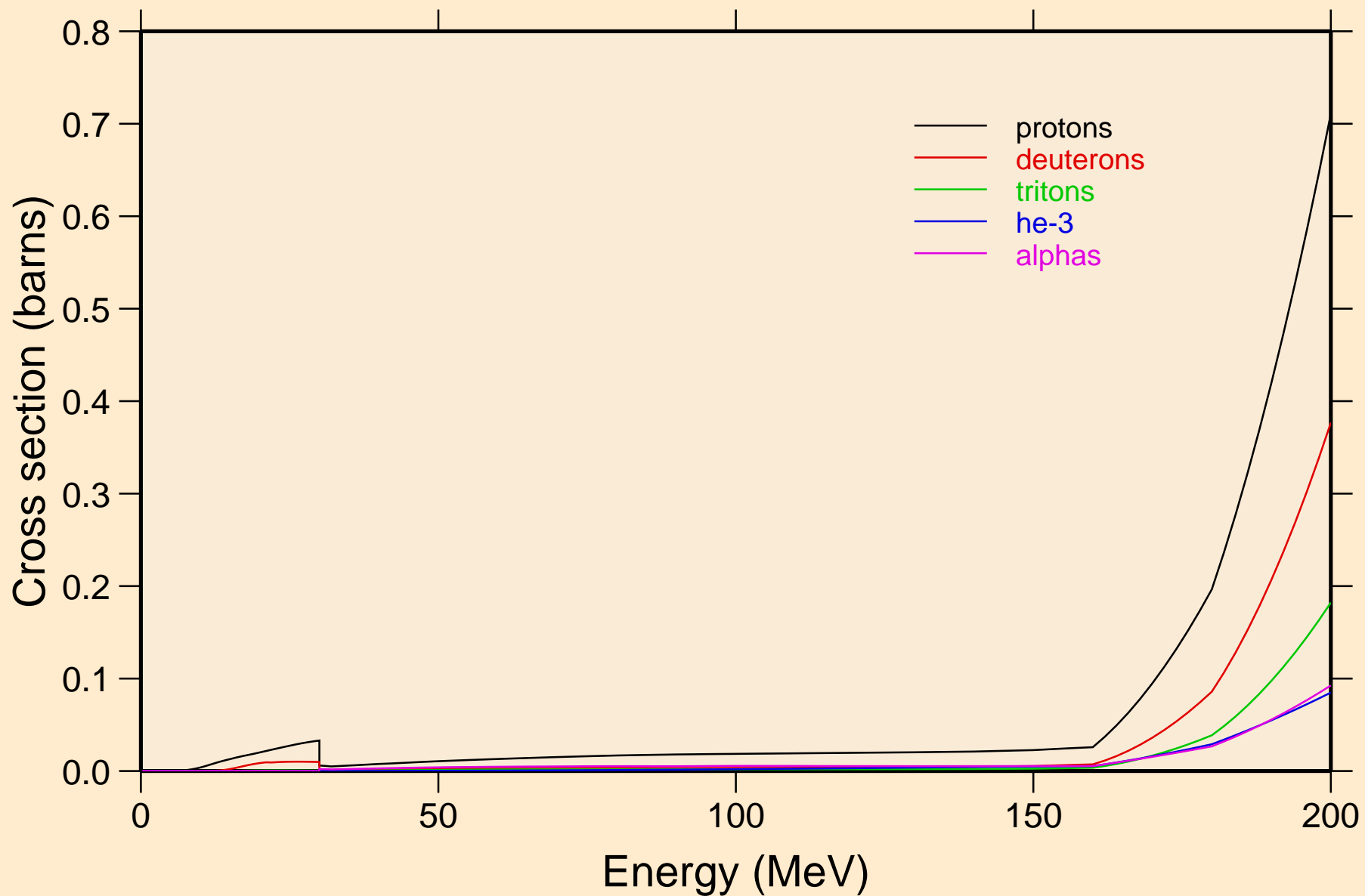


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

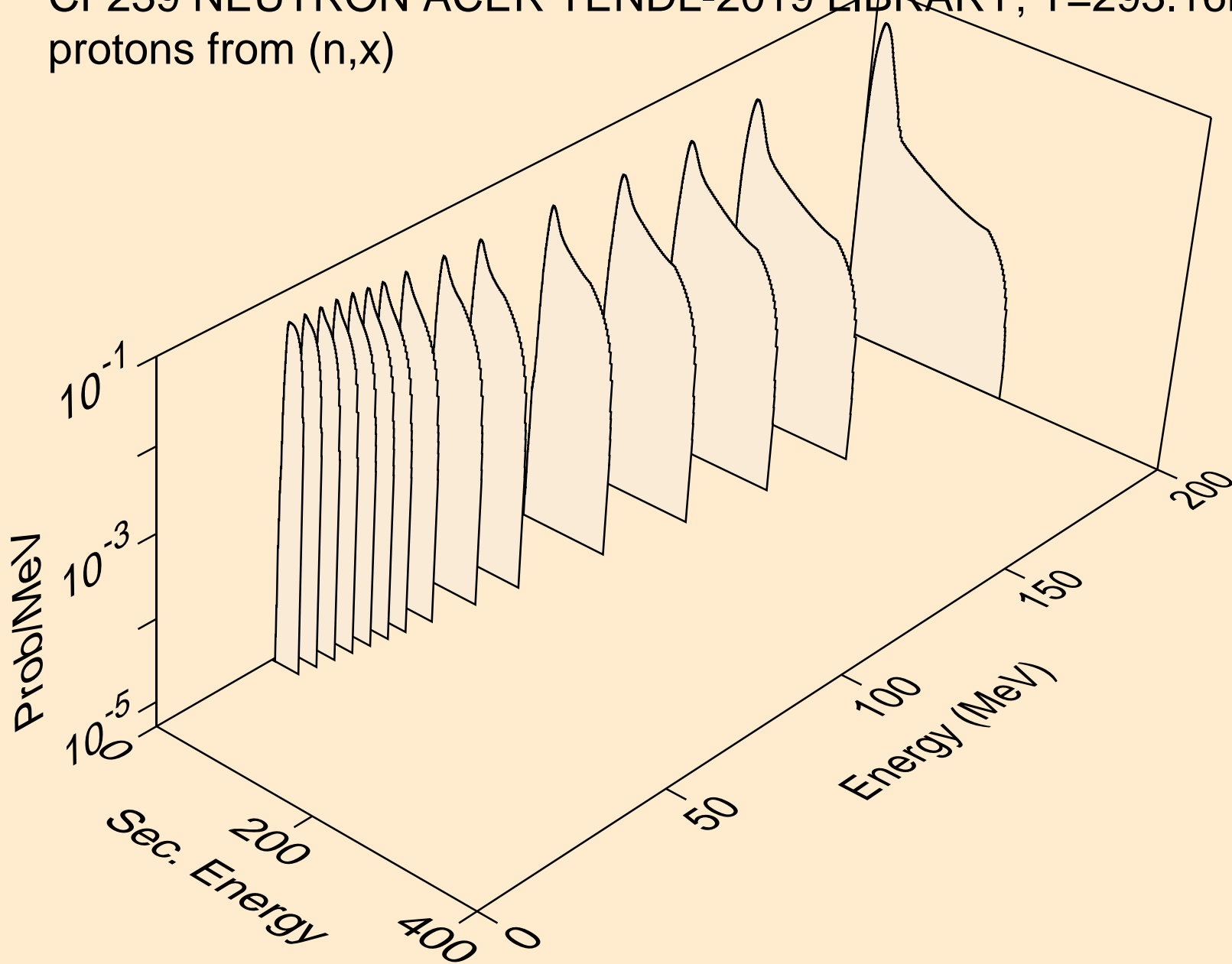


CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

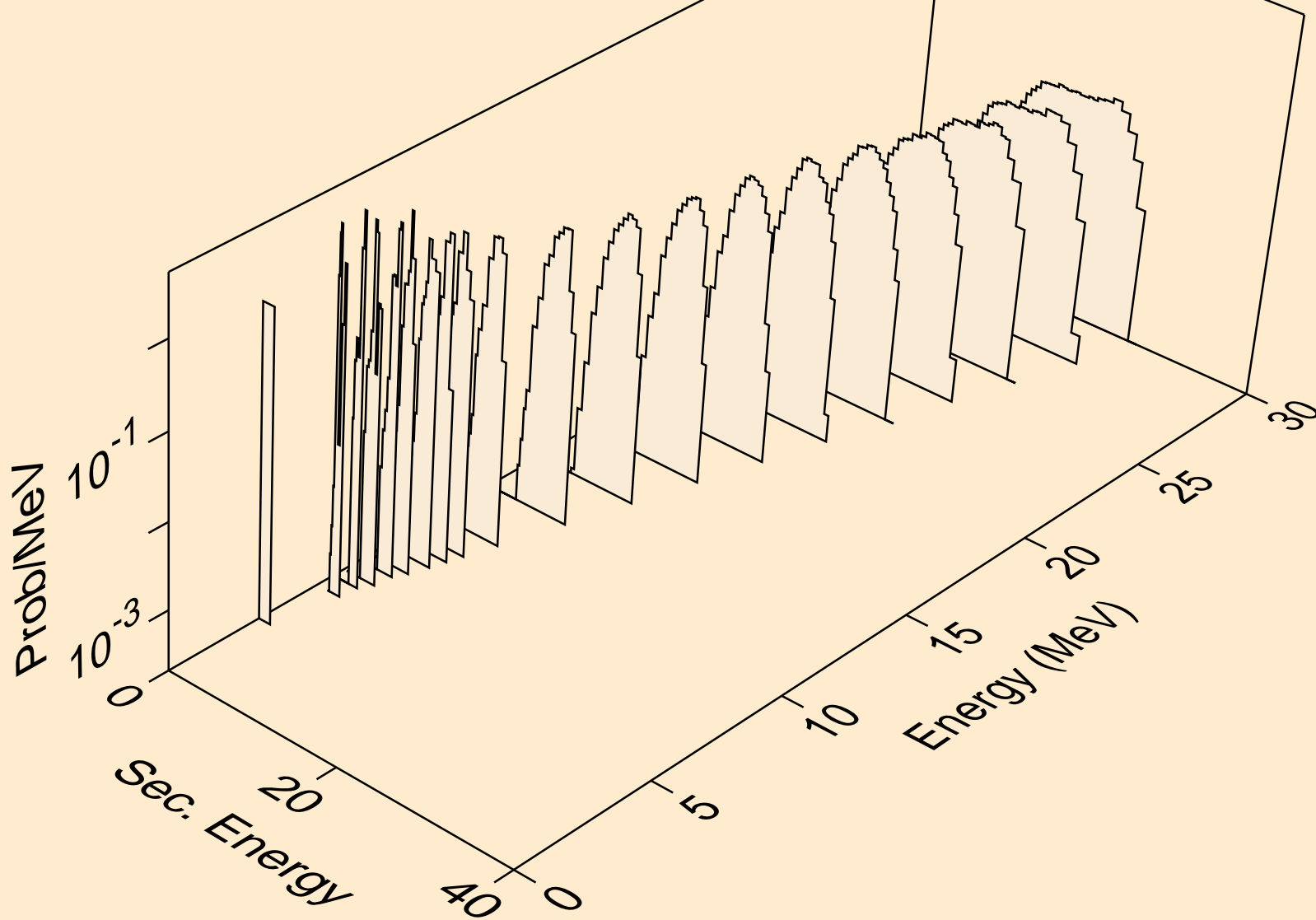
Particle production cross sections



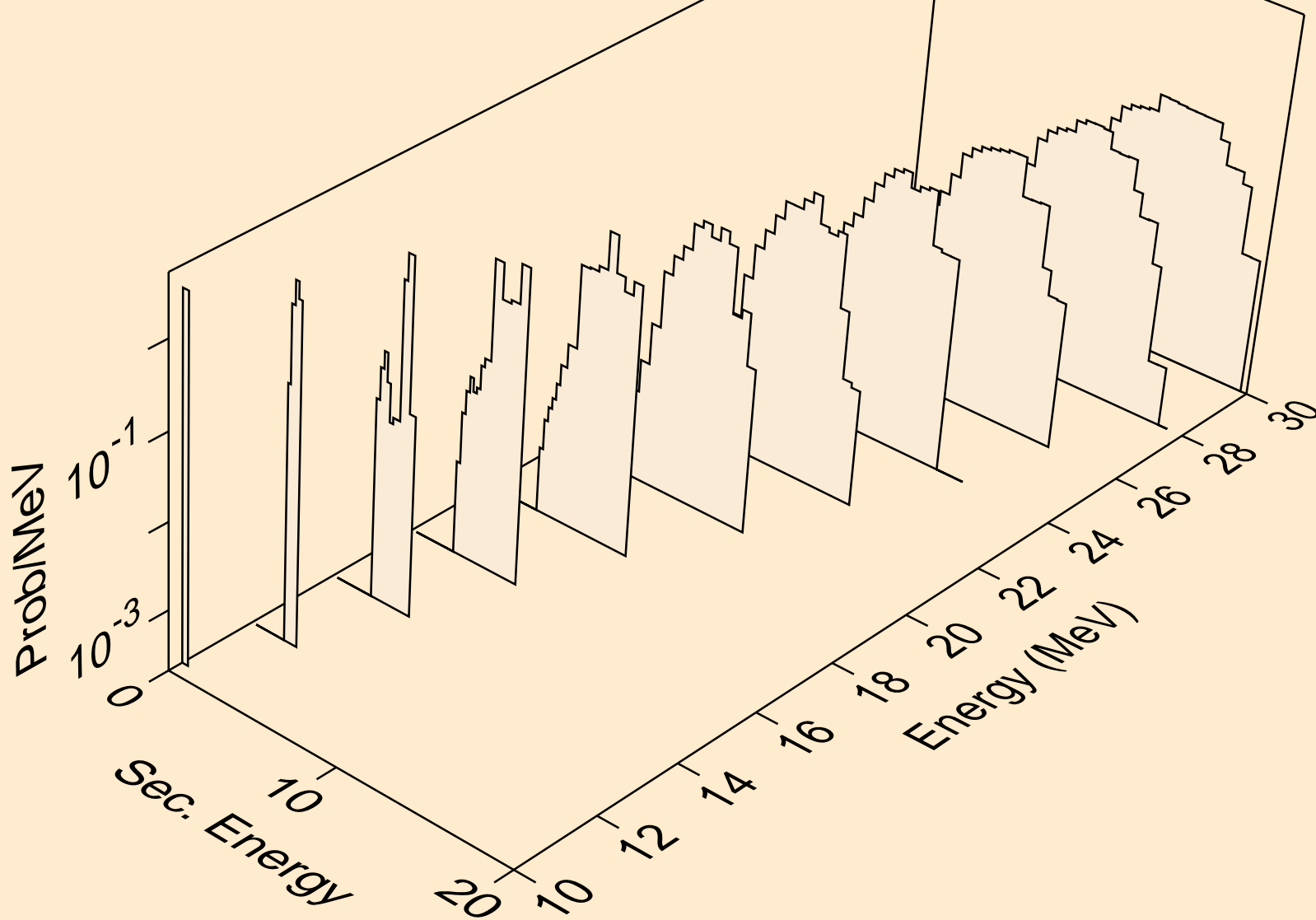
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



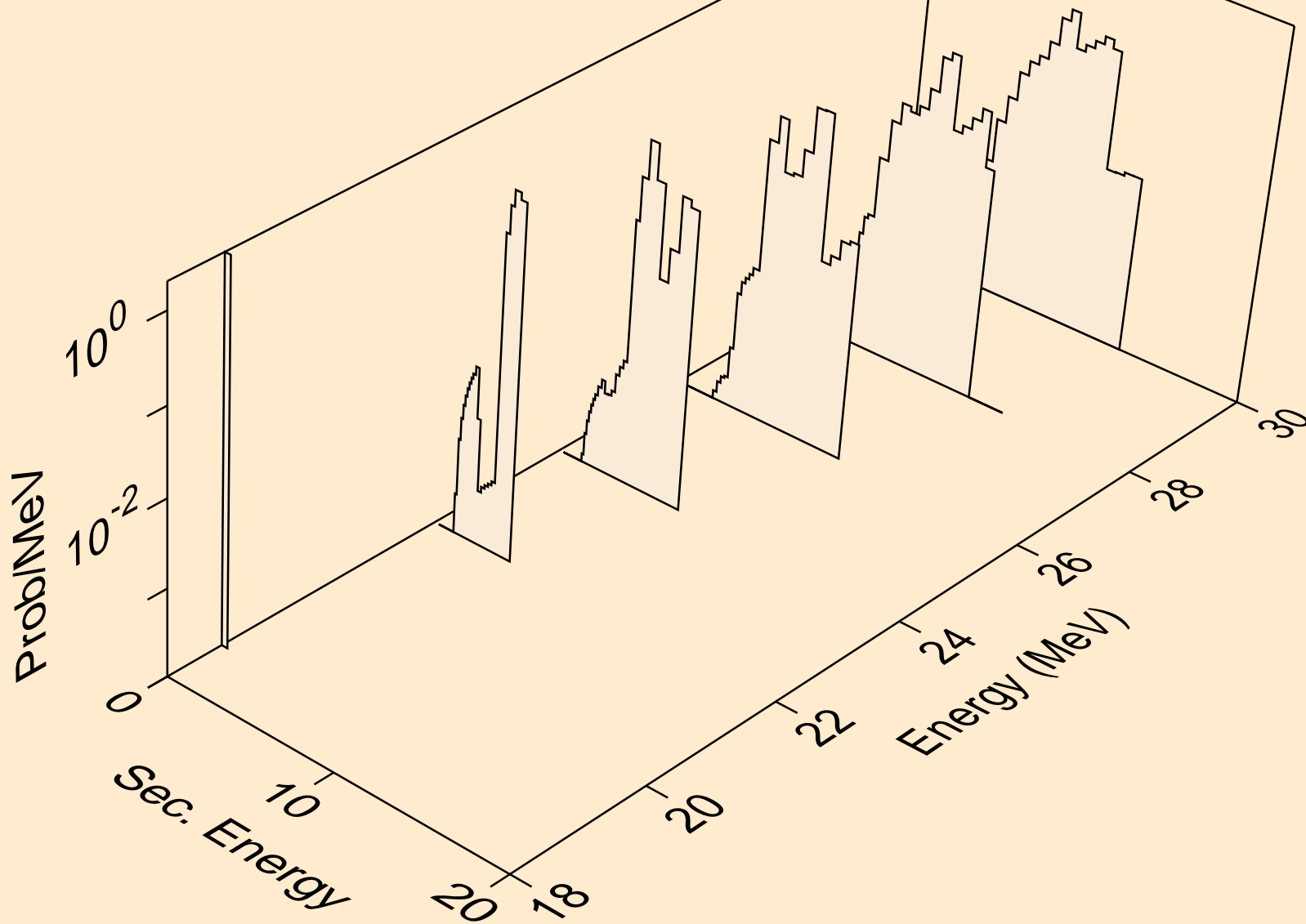
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



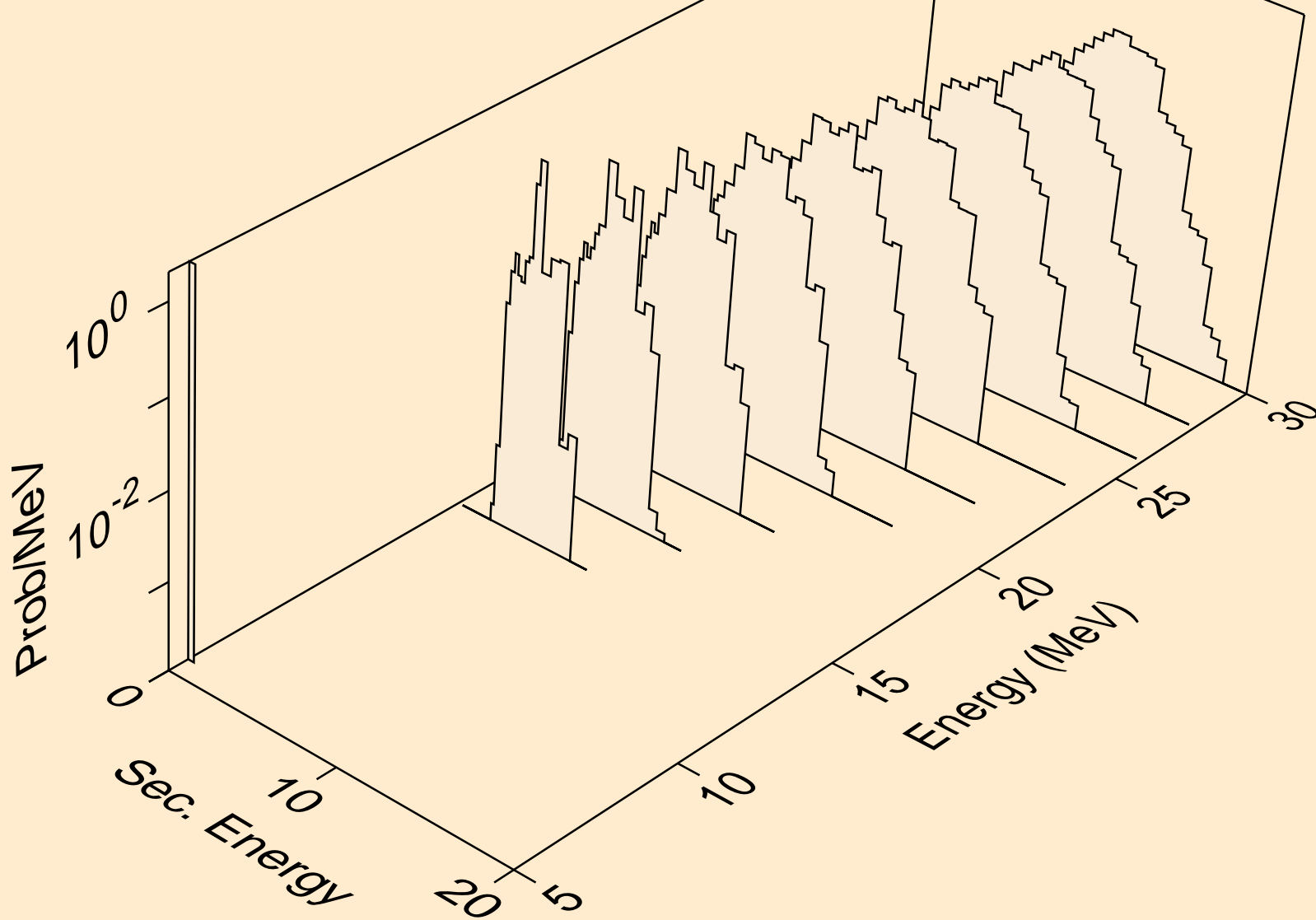
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



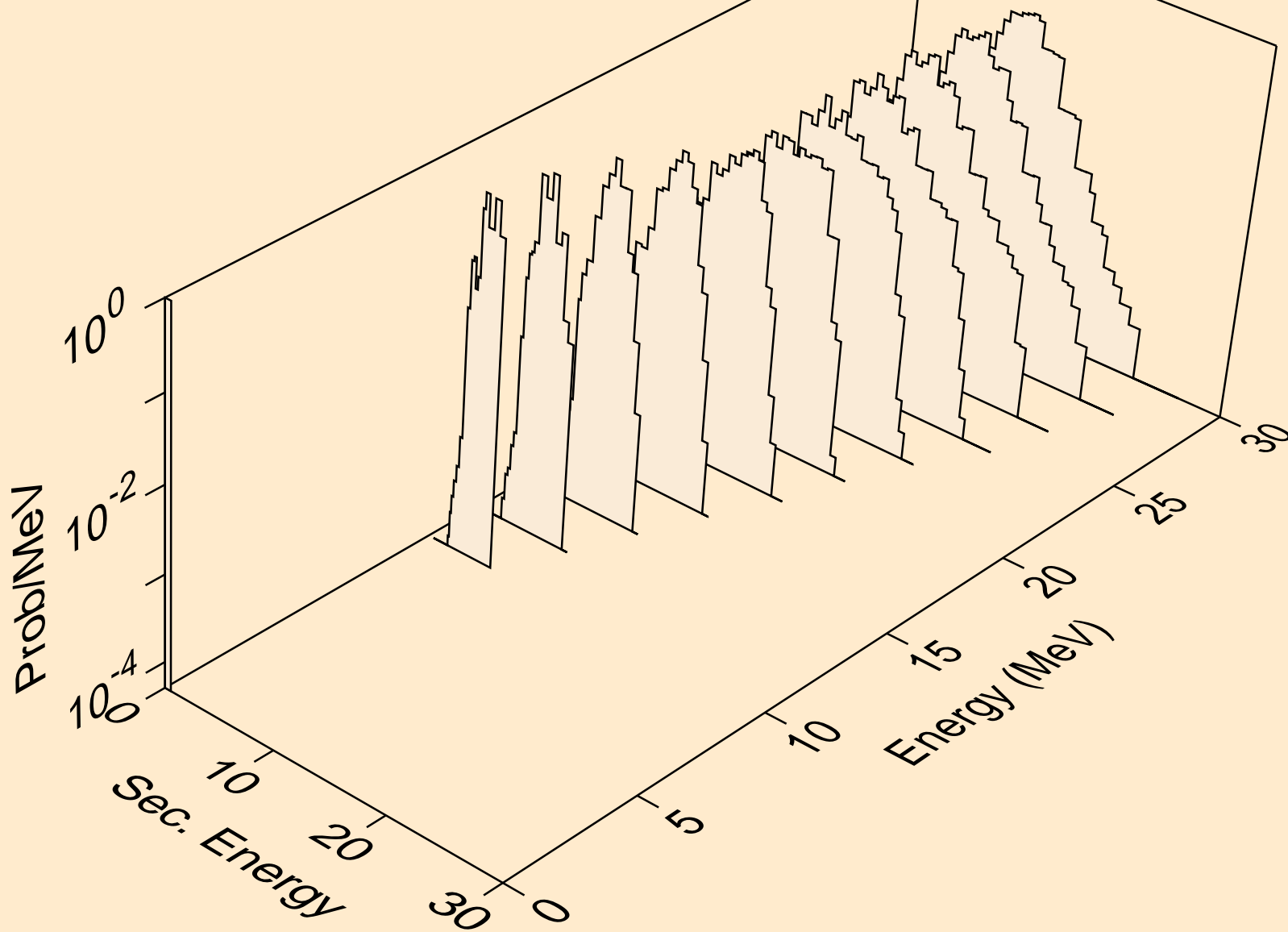
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



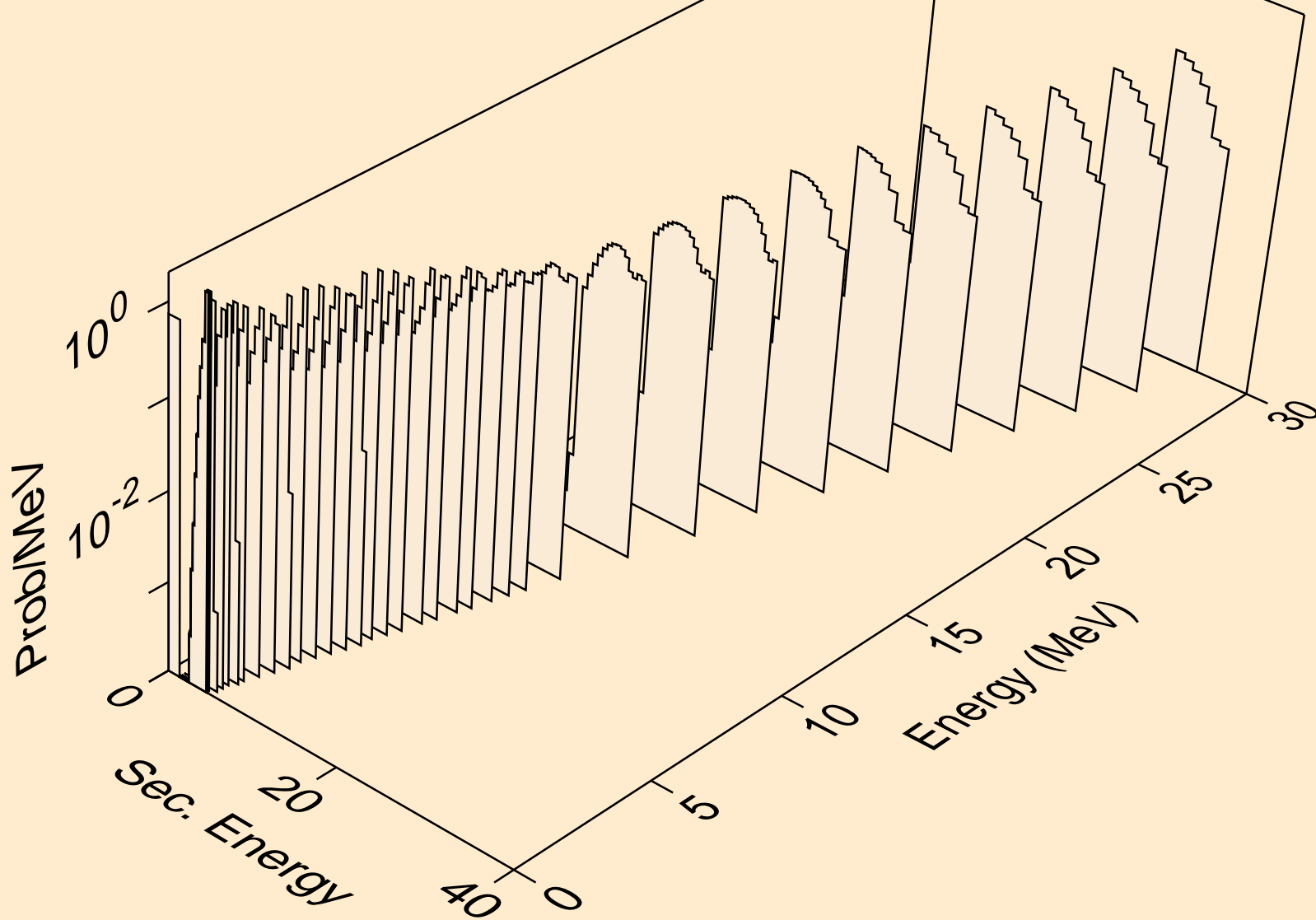
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



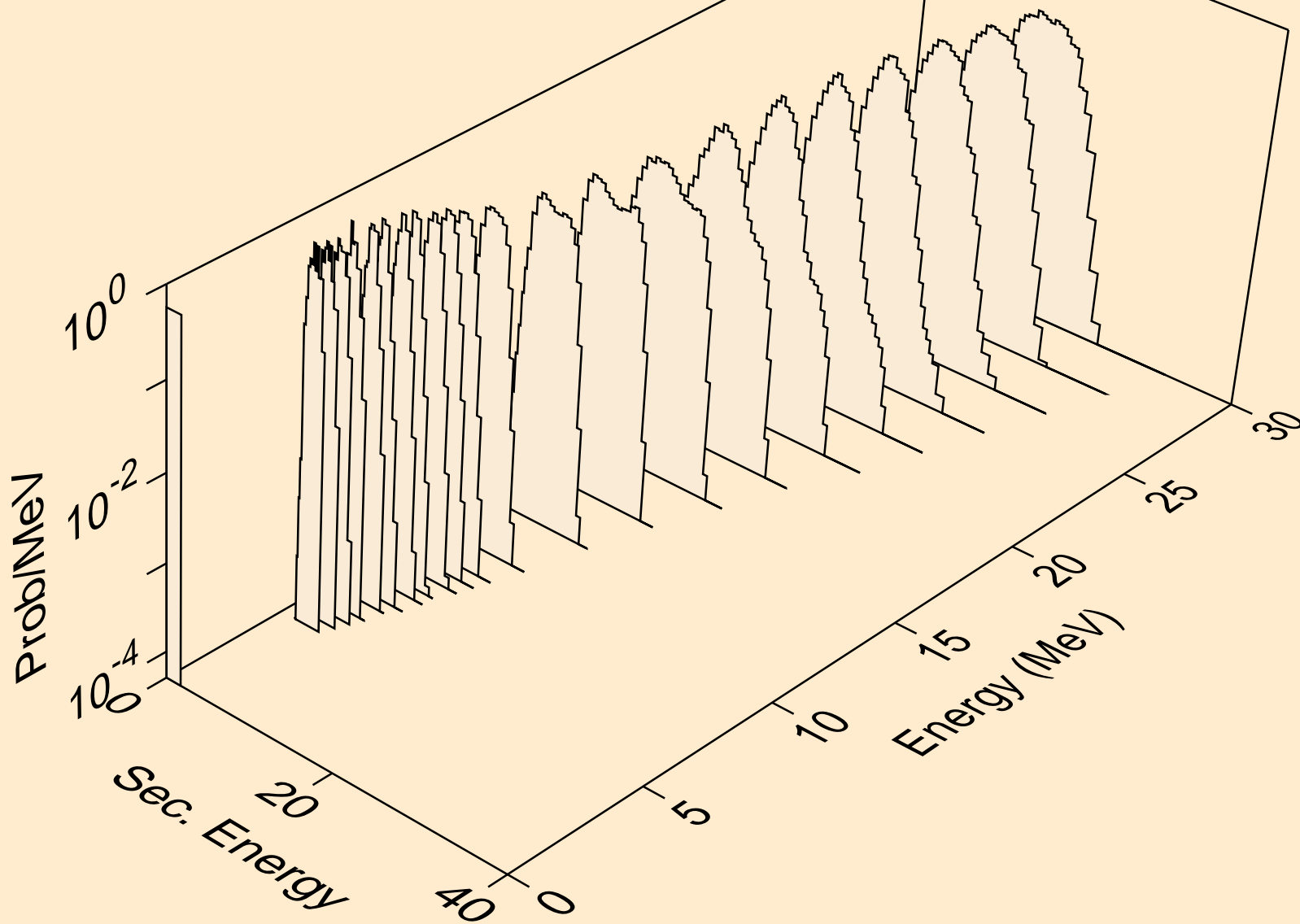
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



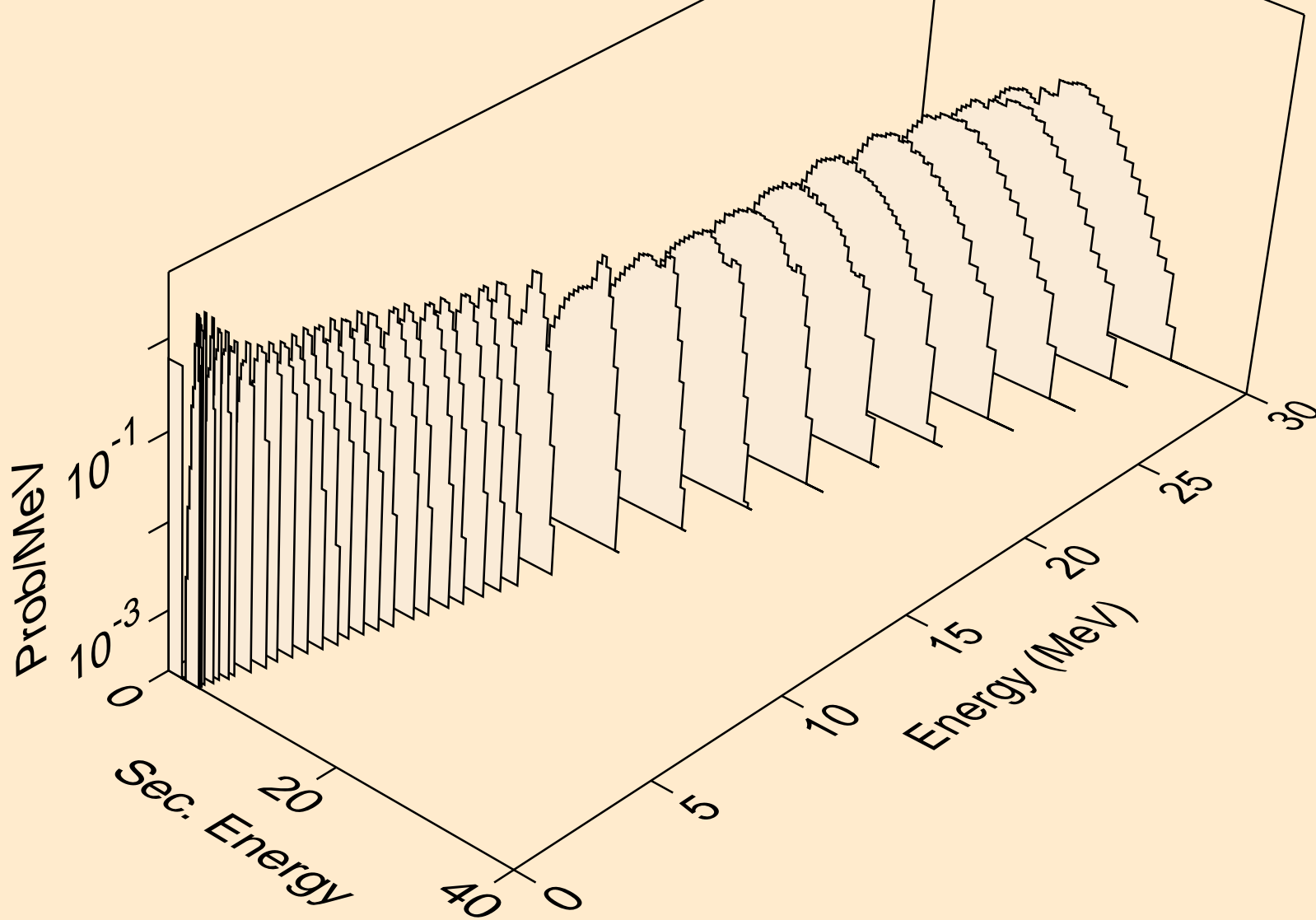
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



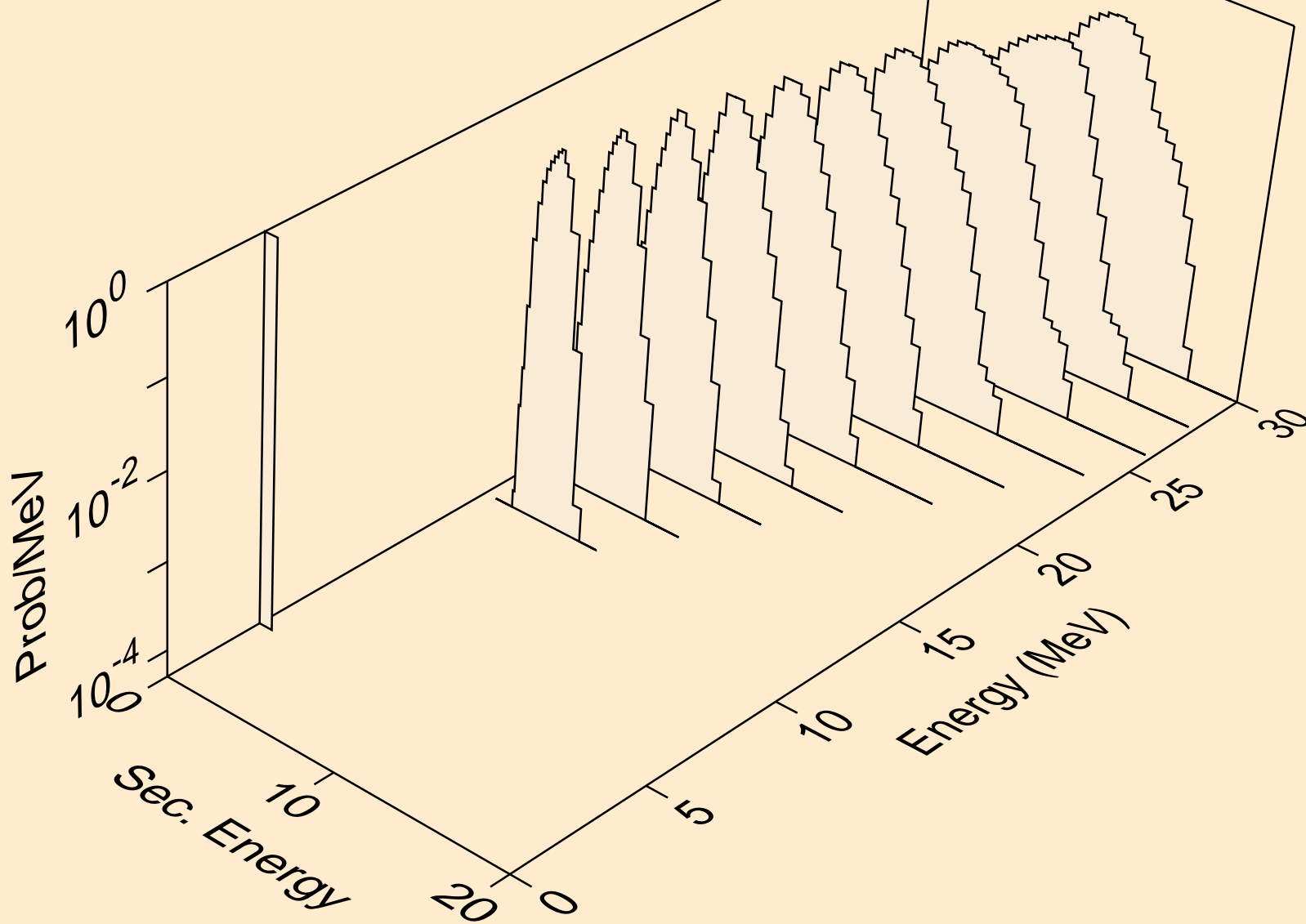
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



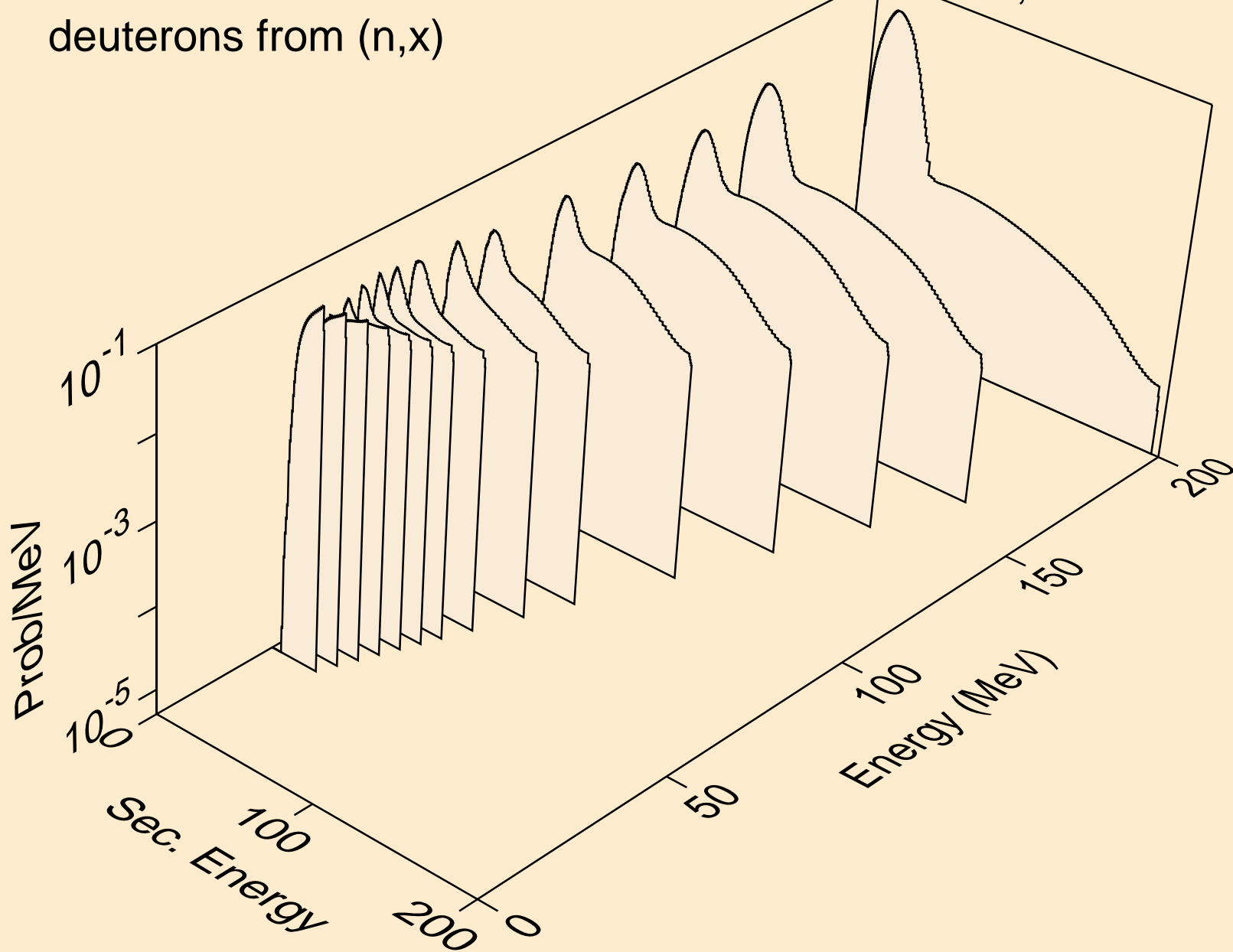
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



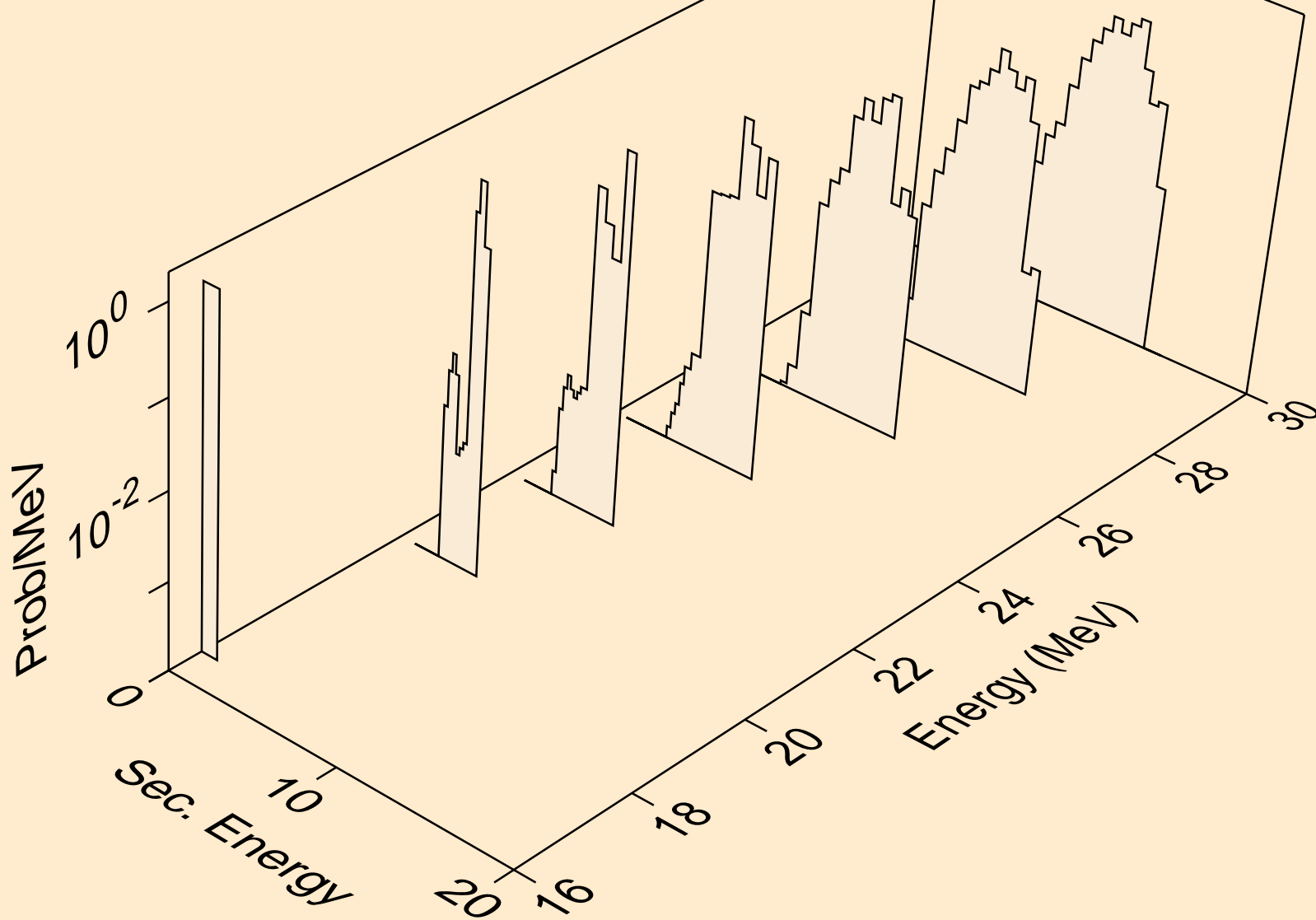
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



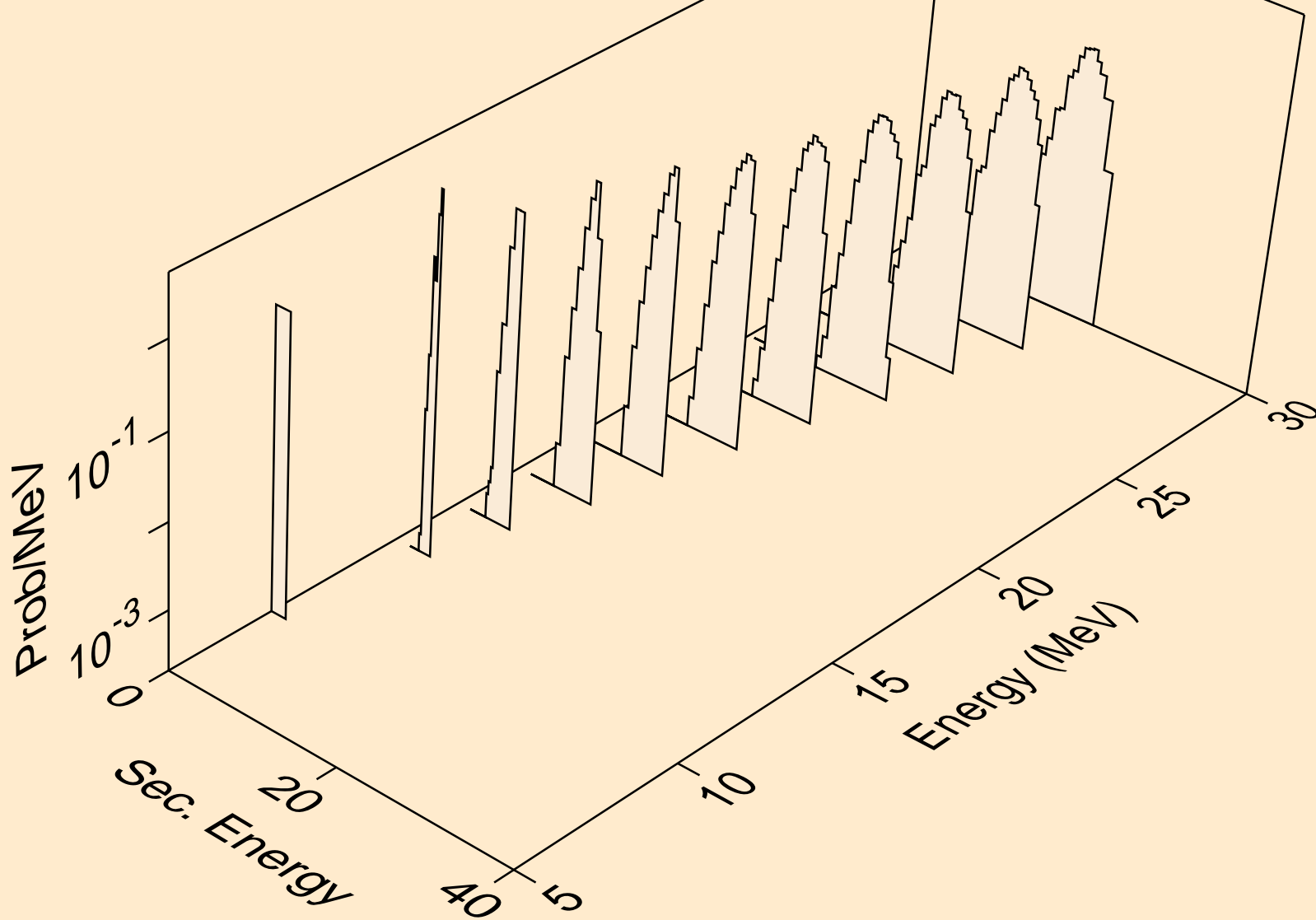
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



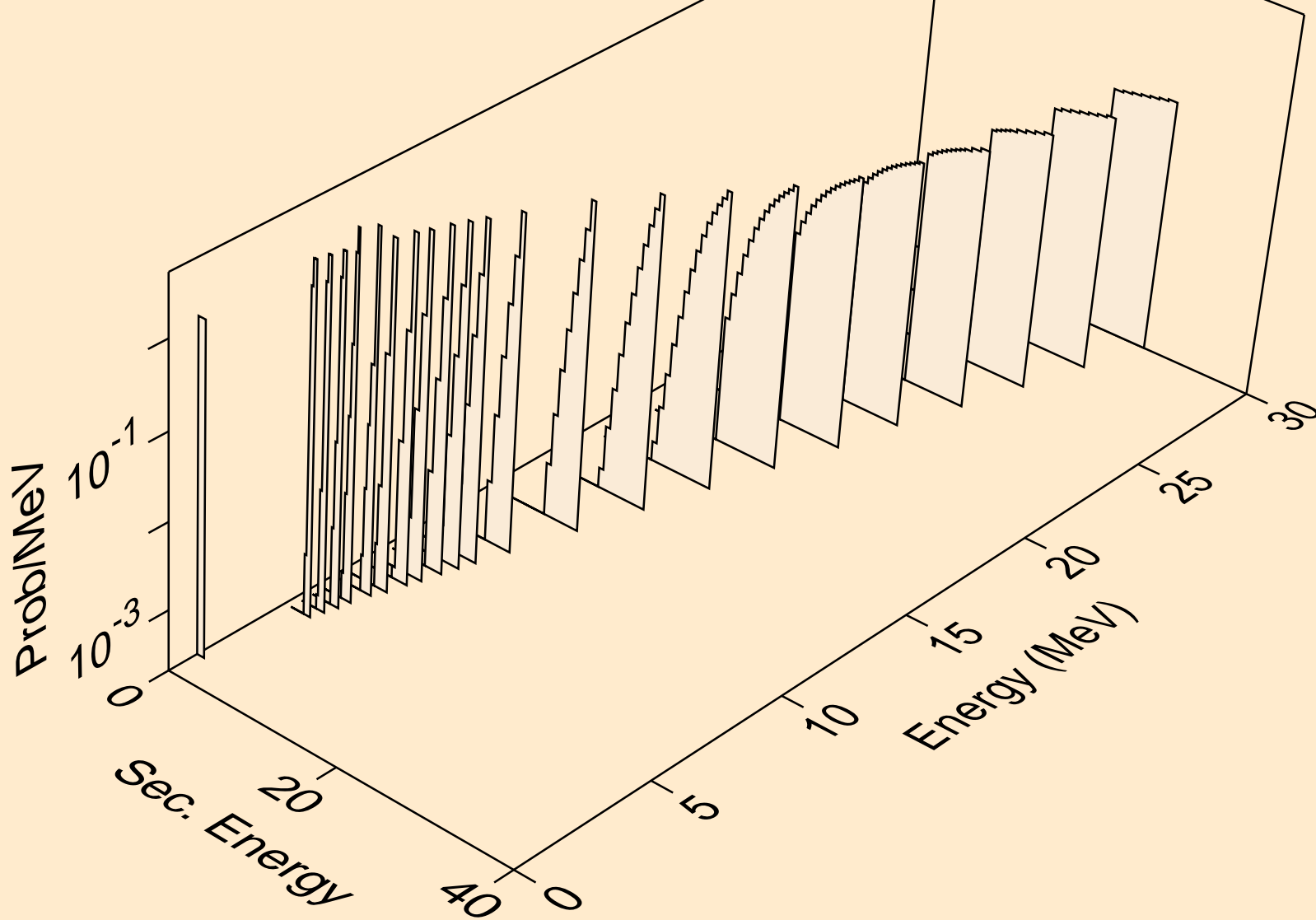
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



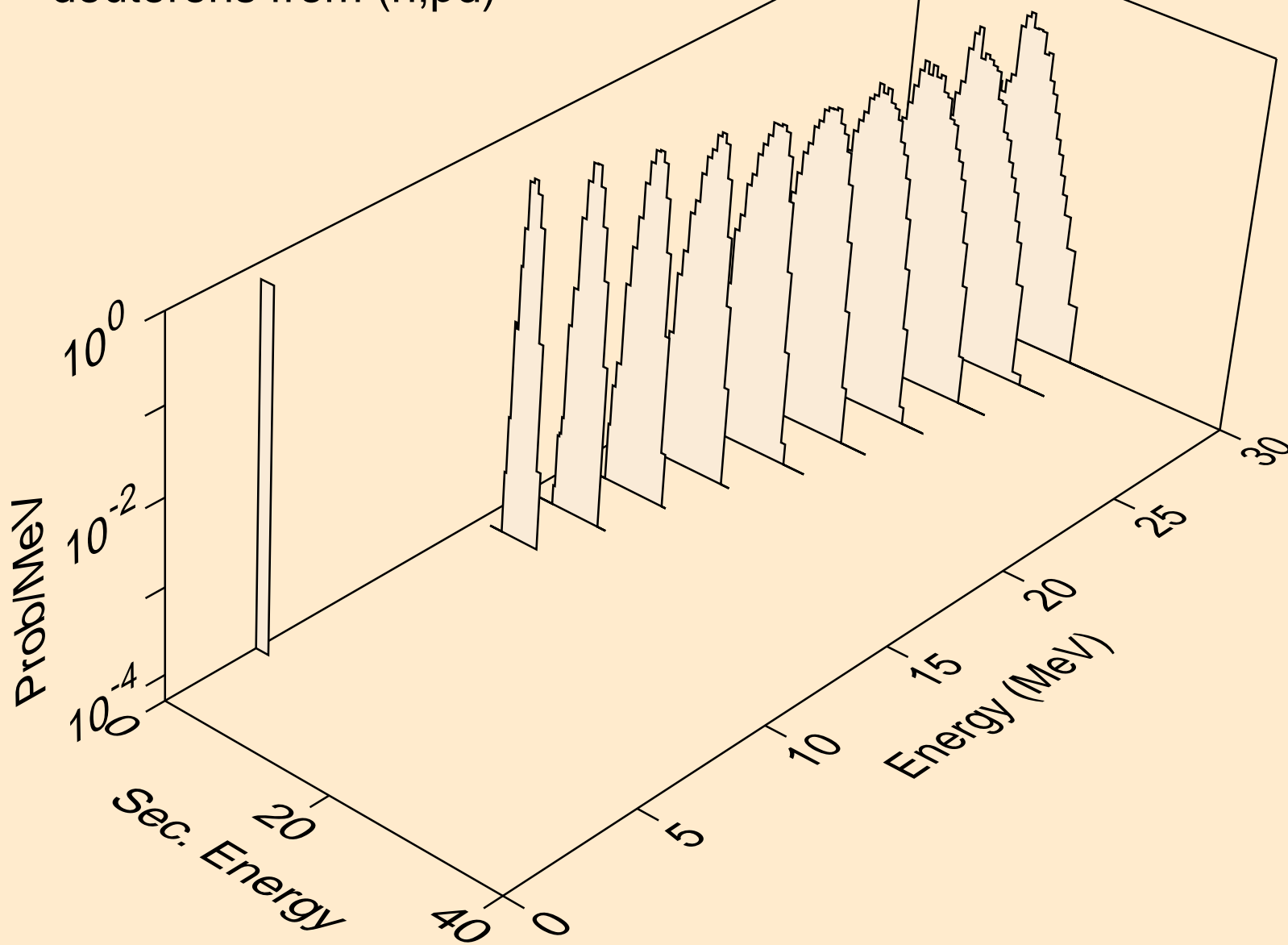
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



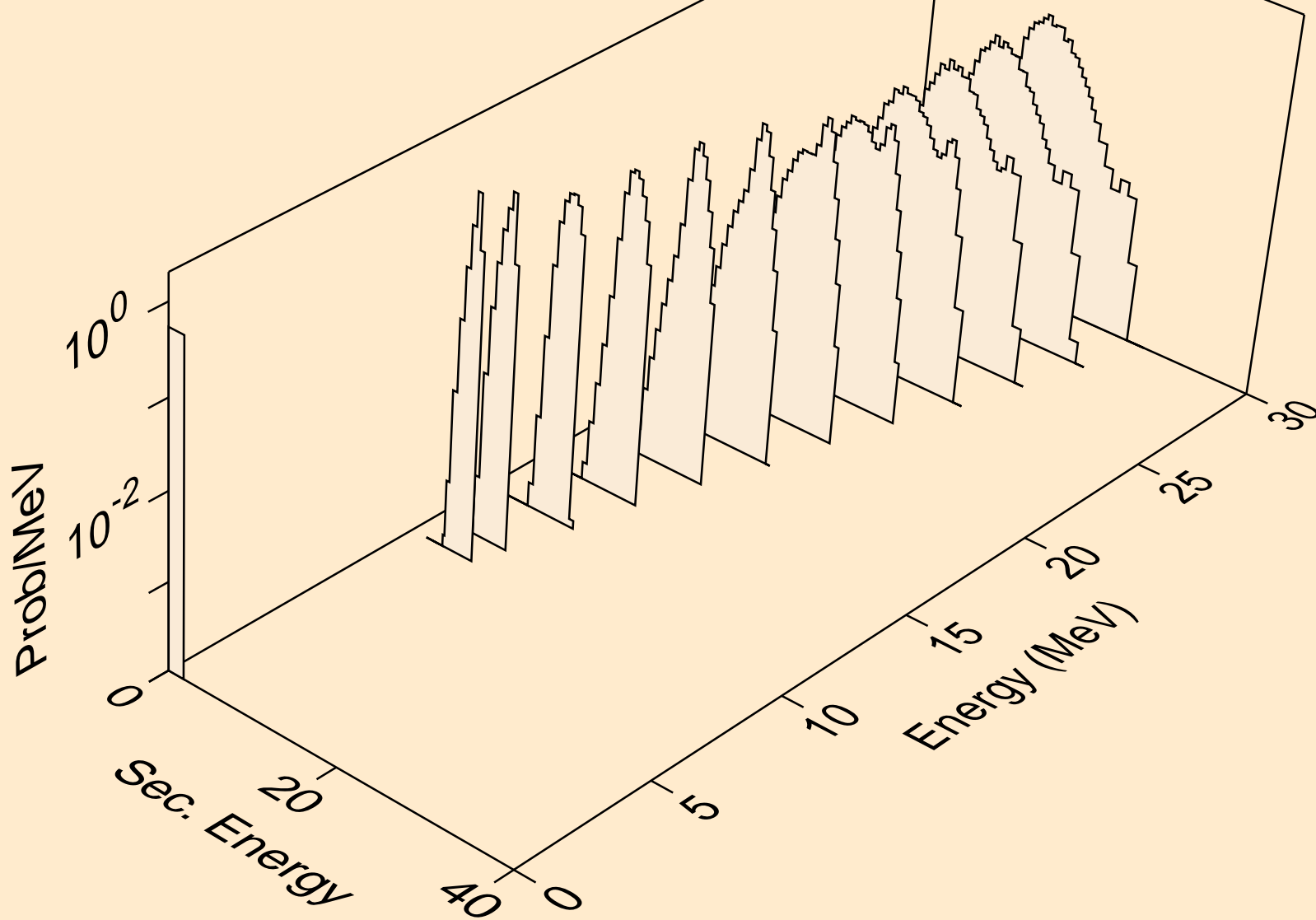
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deuterons from (n,d)



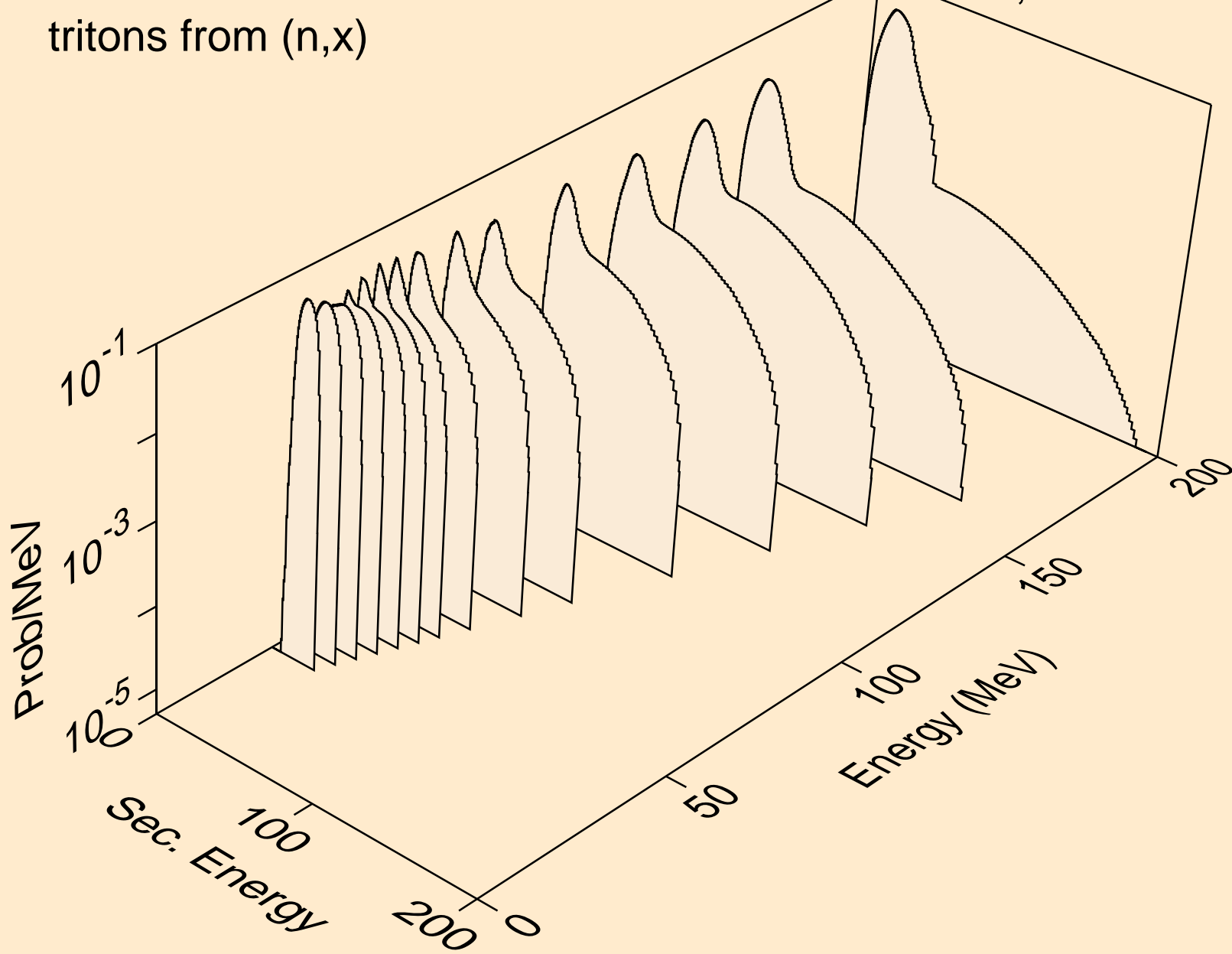
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



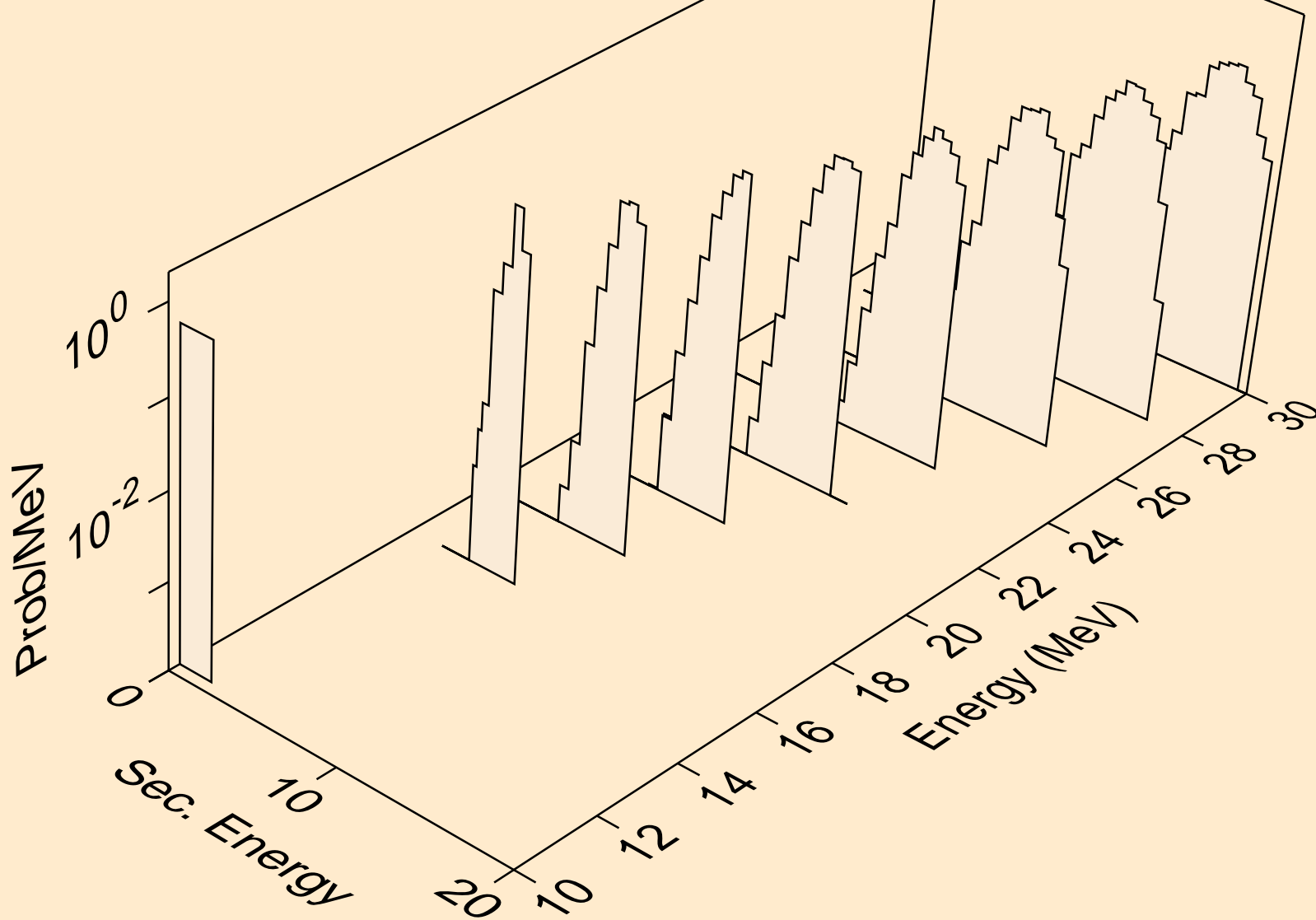
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



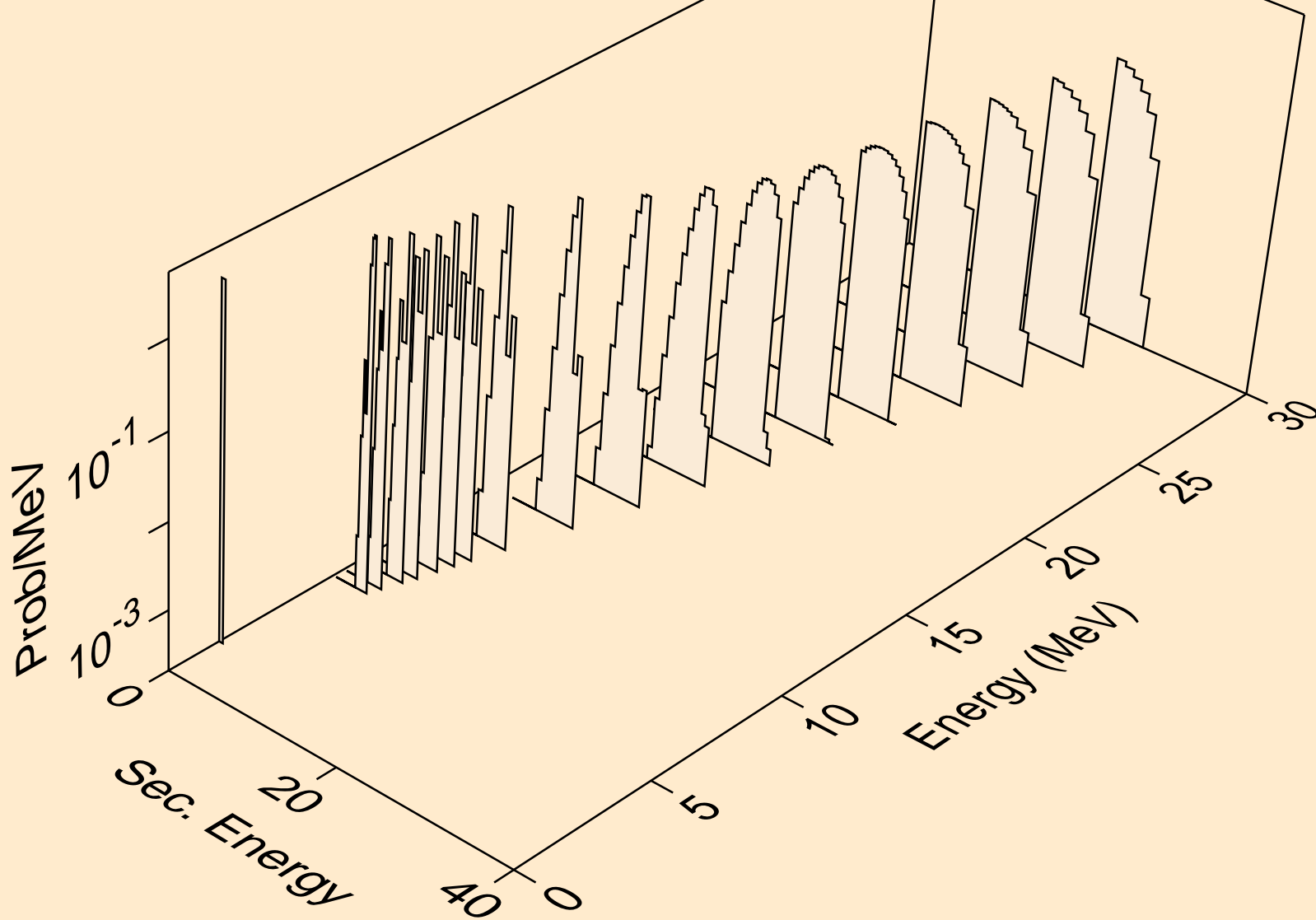
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tritons from (n,x)



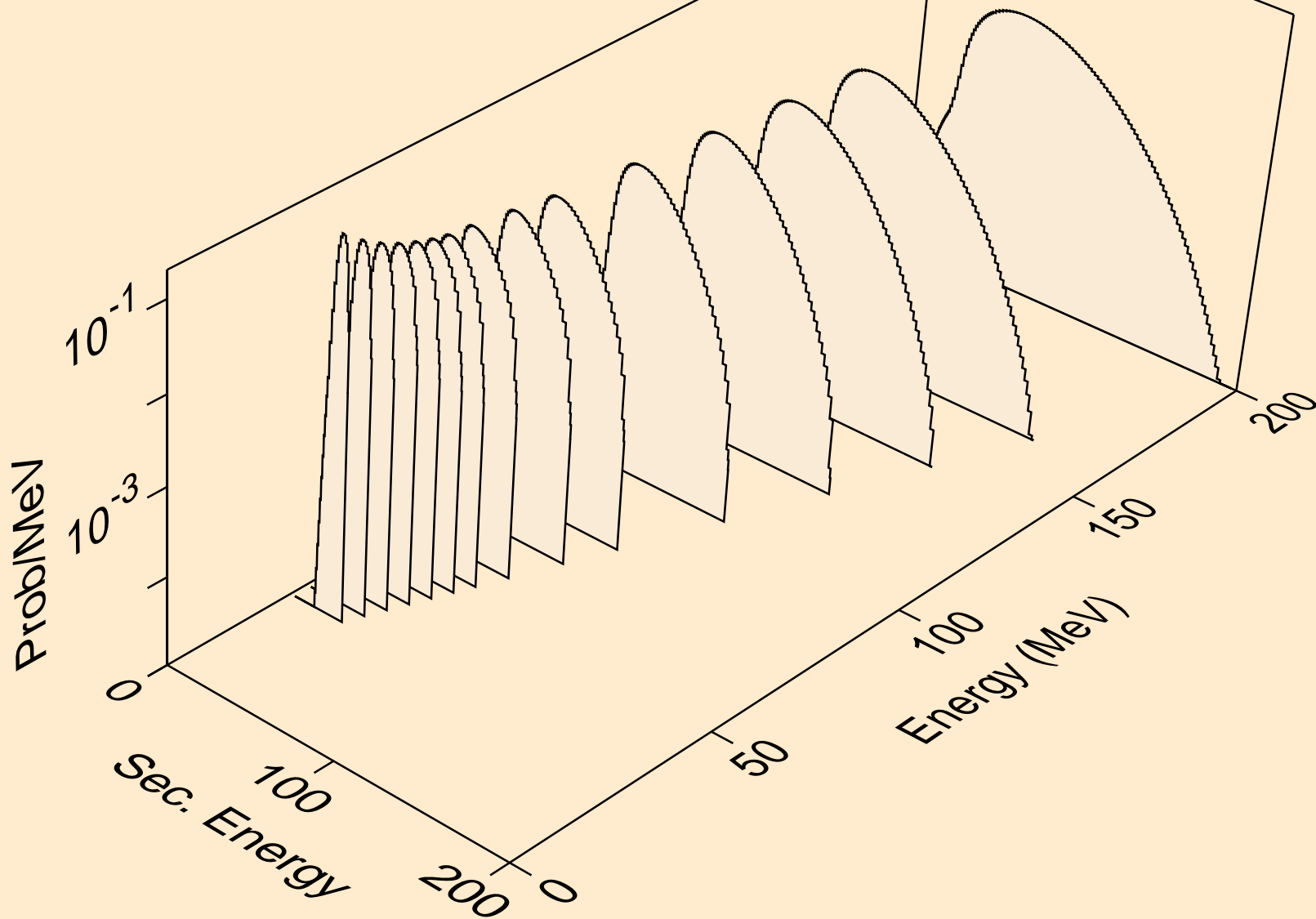
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



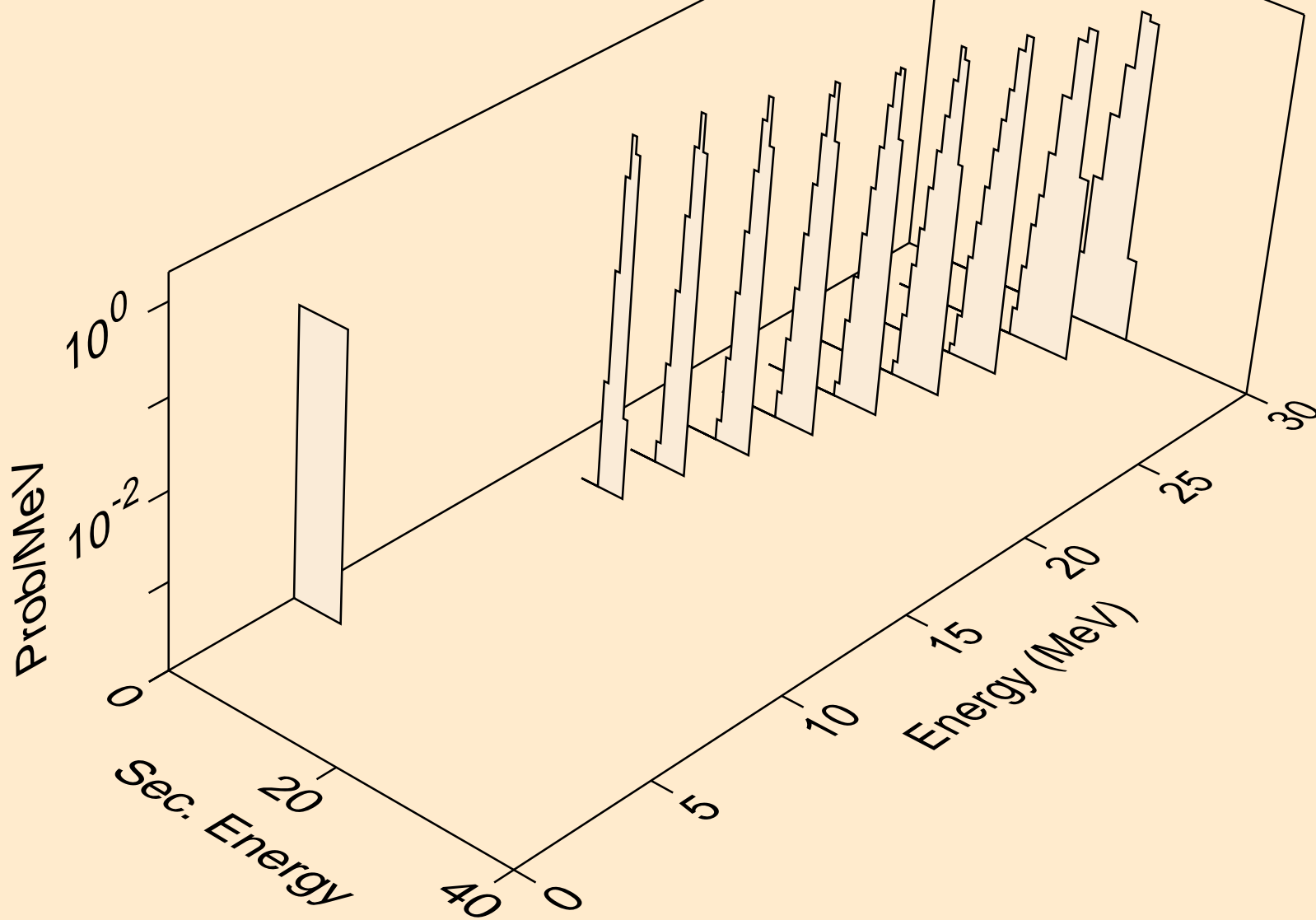
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tritons from (n,t)



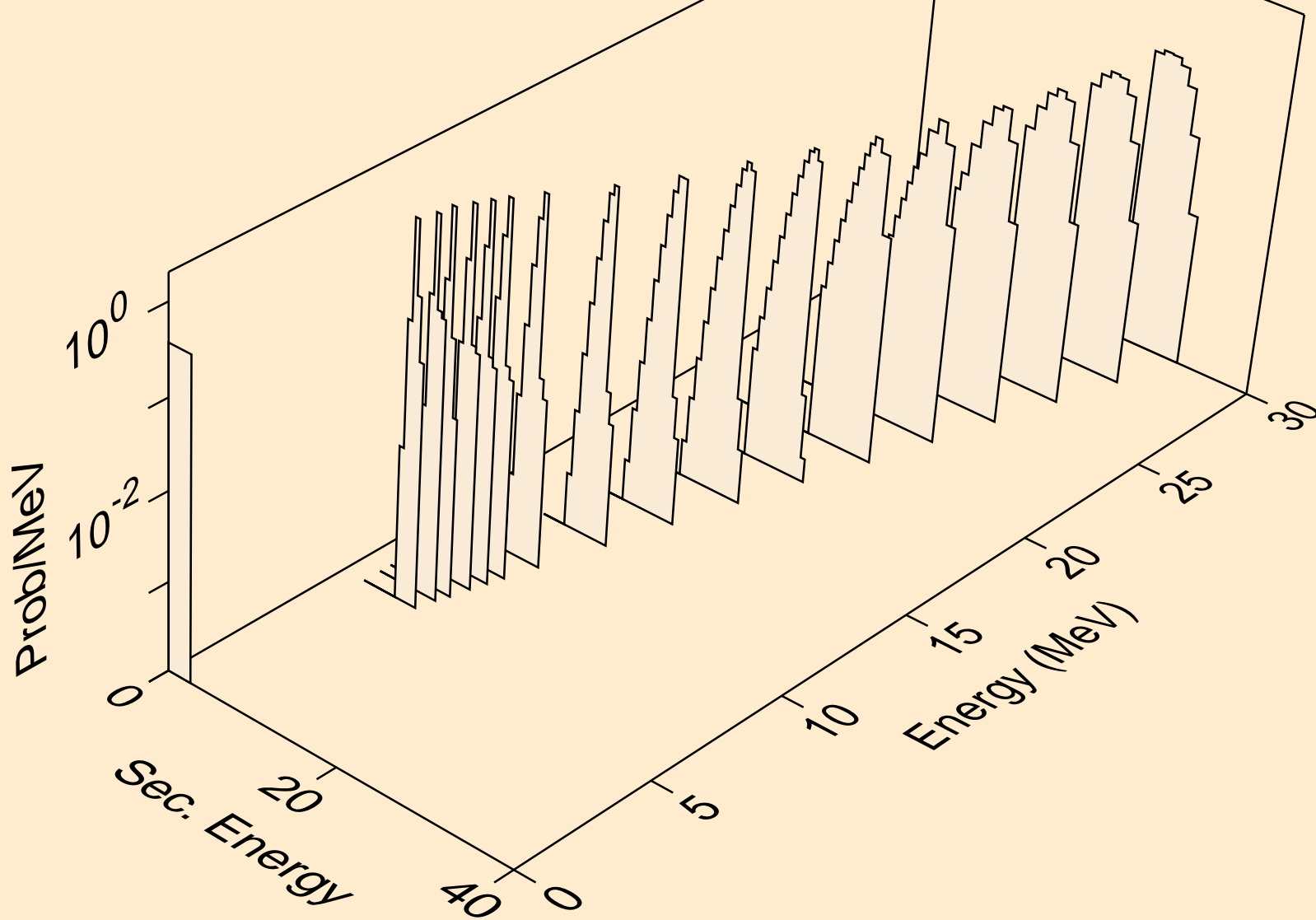
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



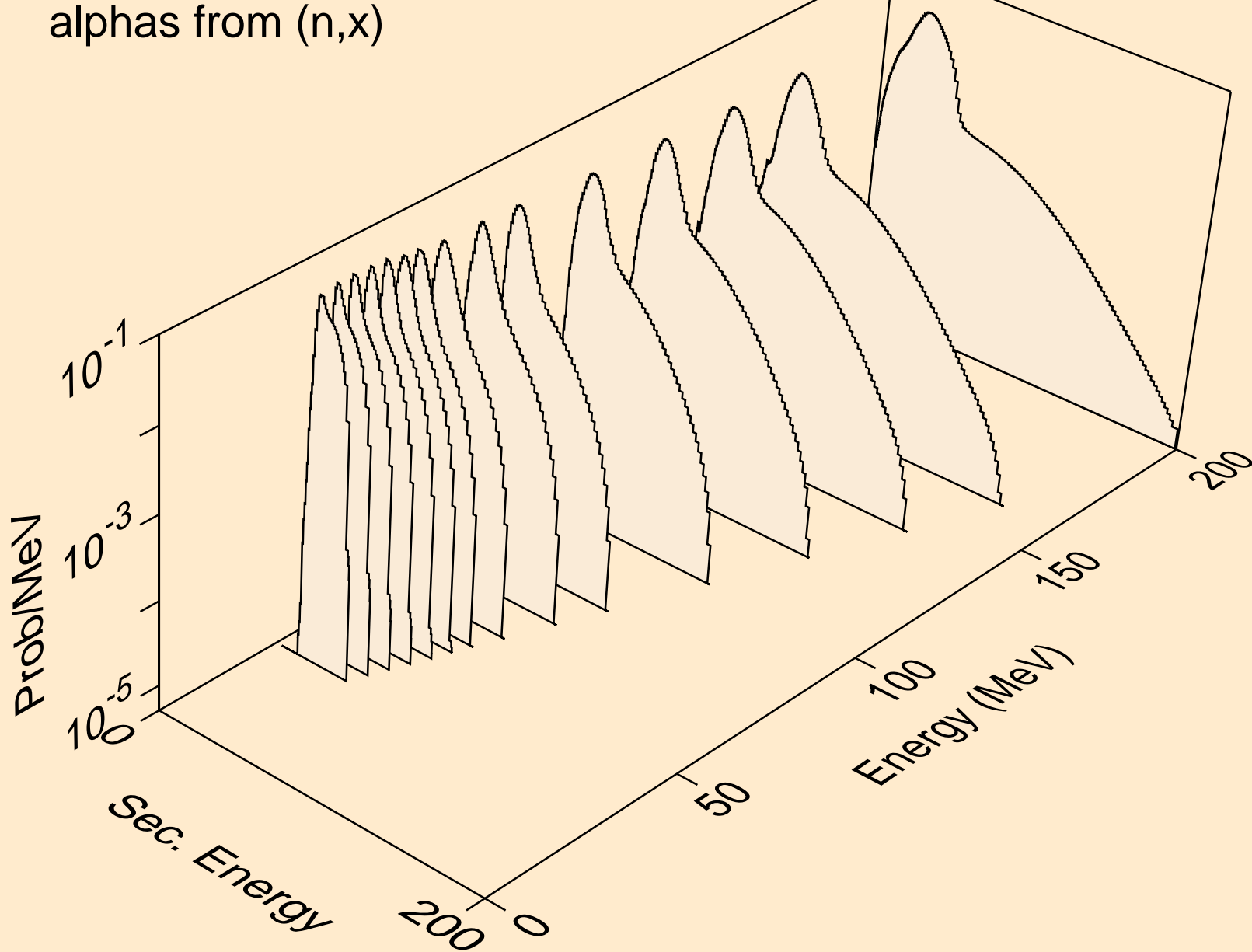
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he3s from (n,n*)he3



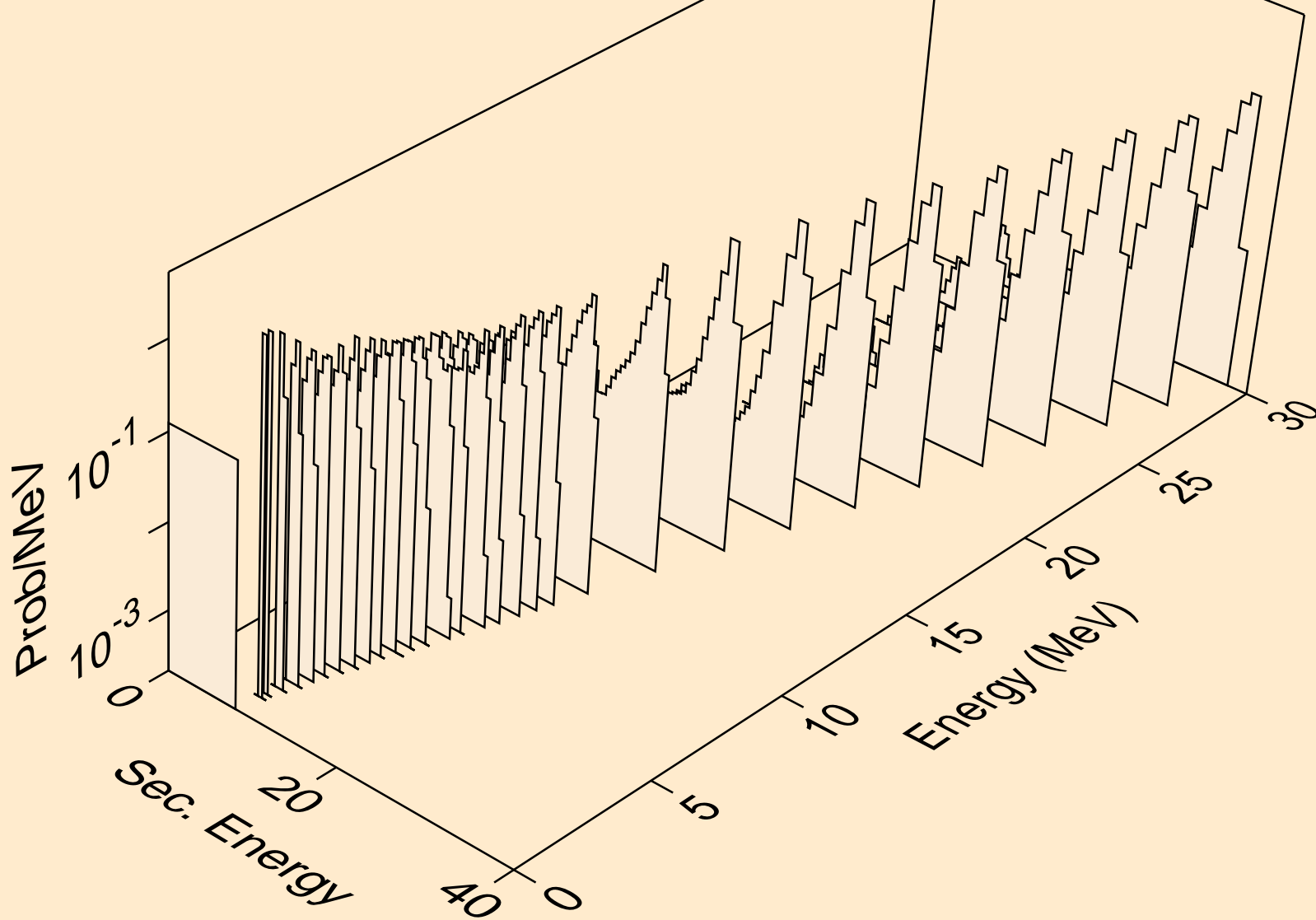
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he3s from (n,he3)



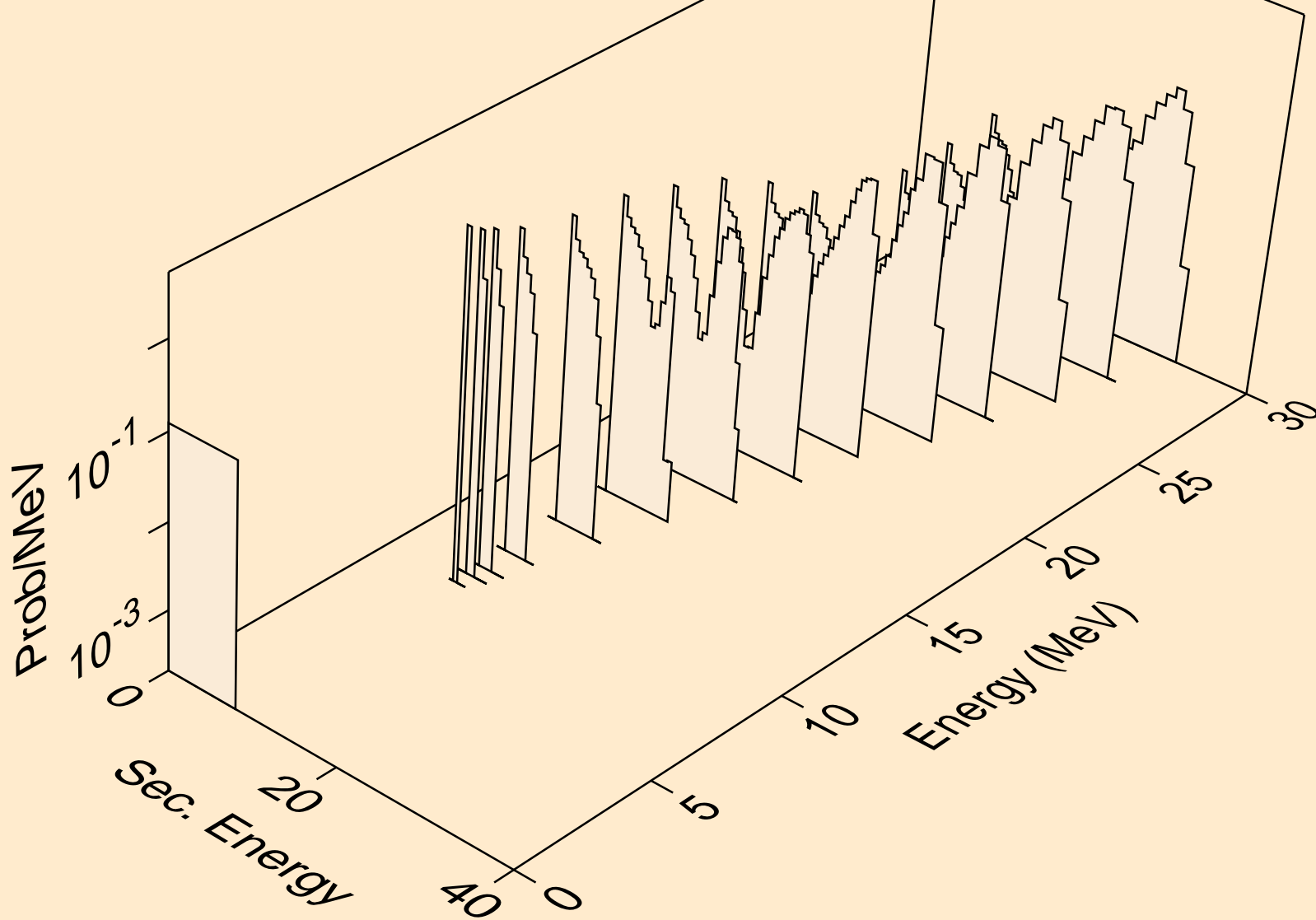
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



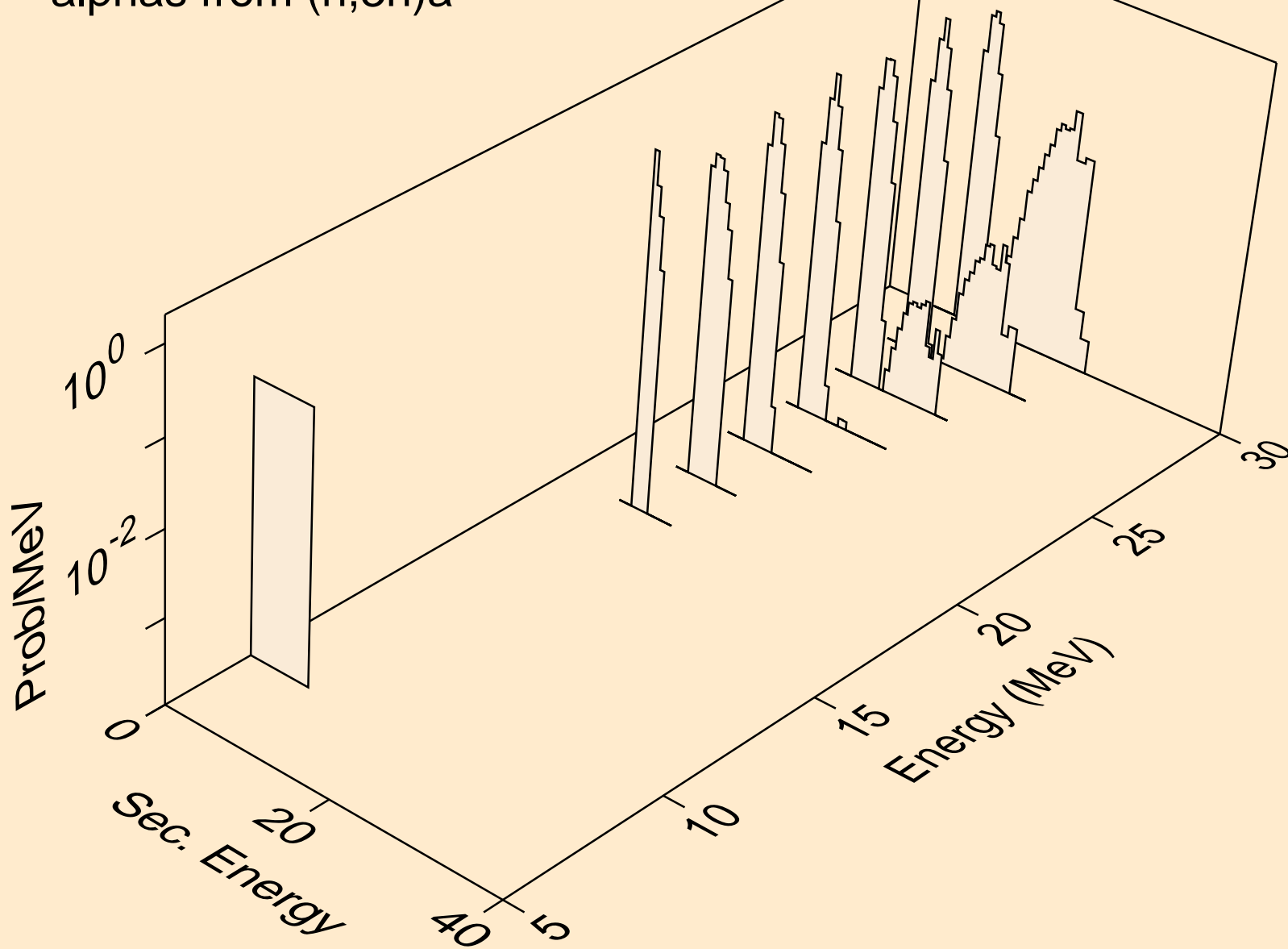
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



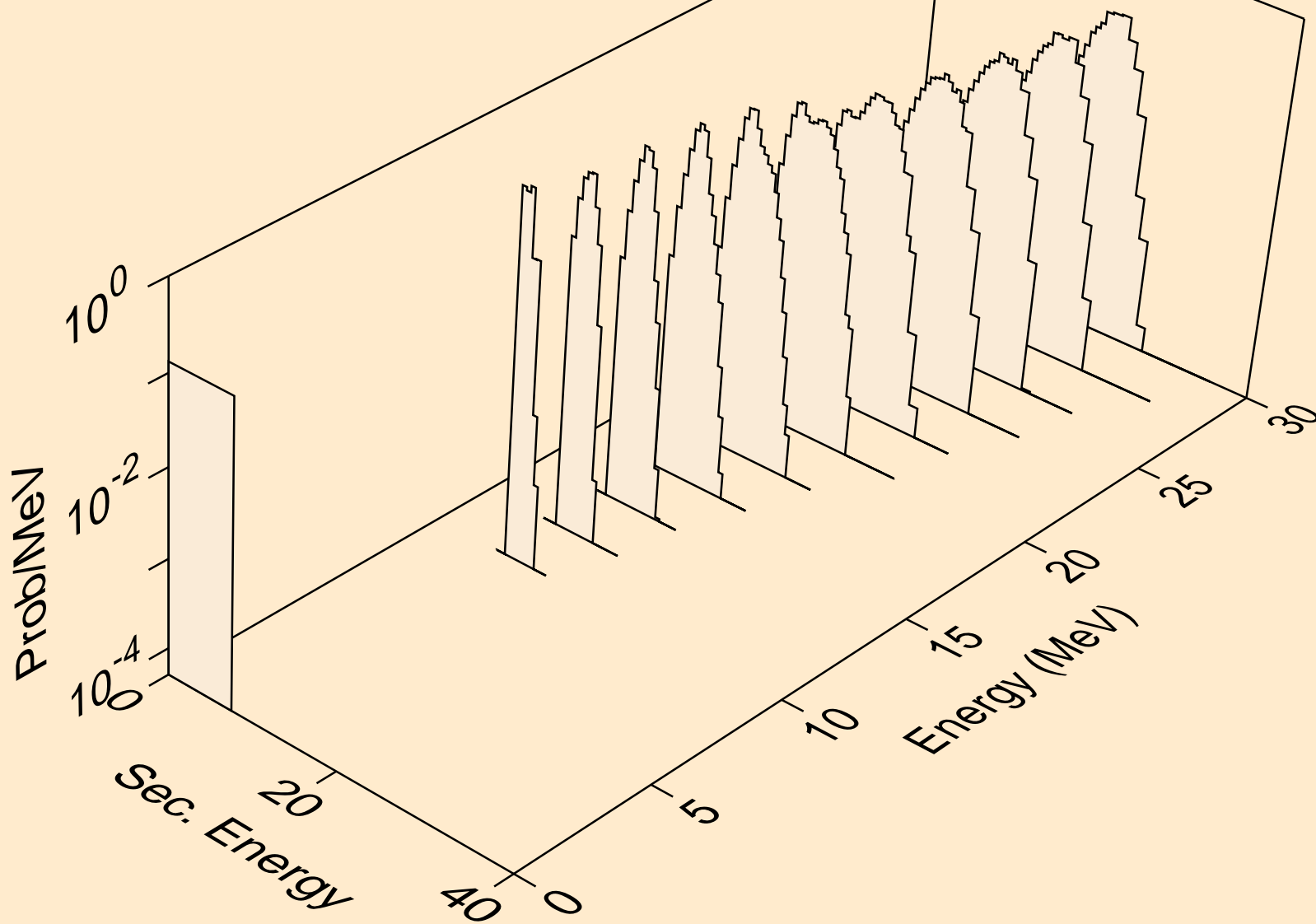
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



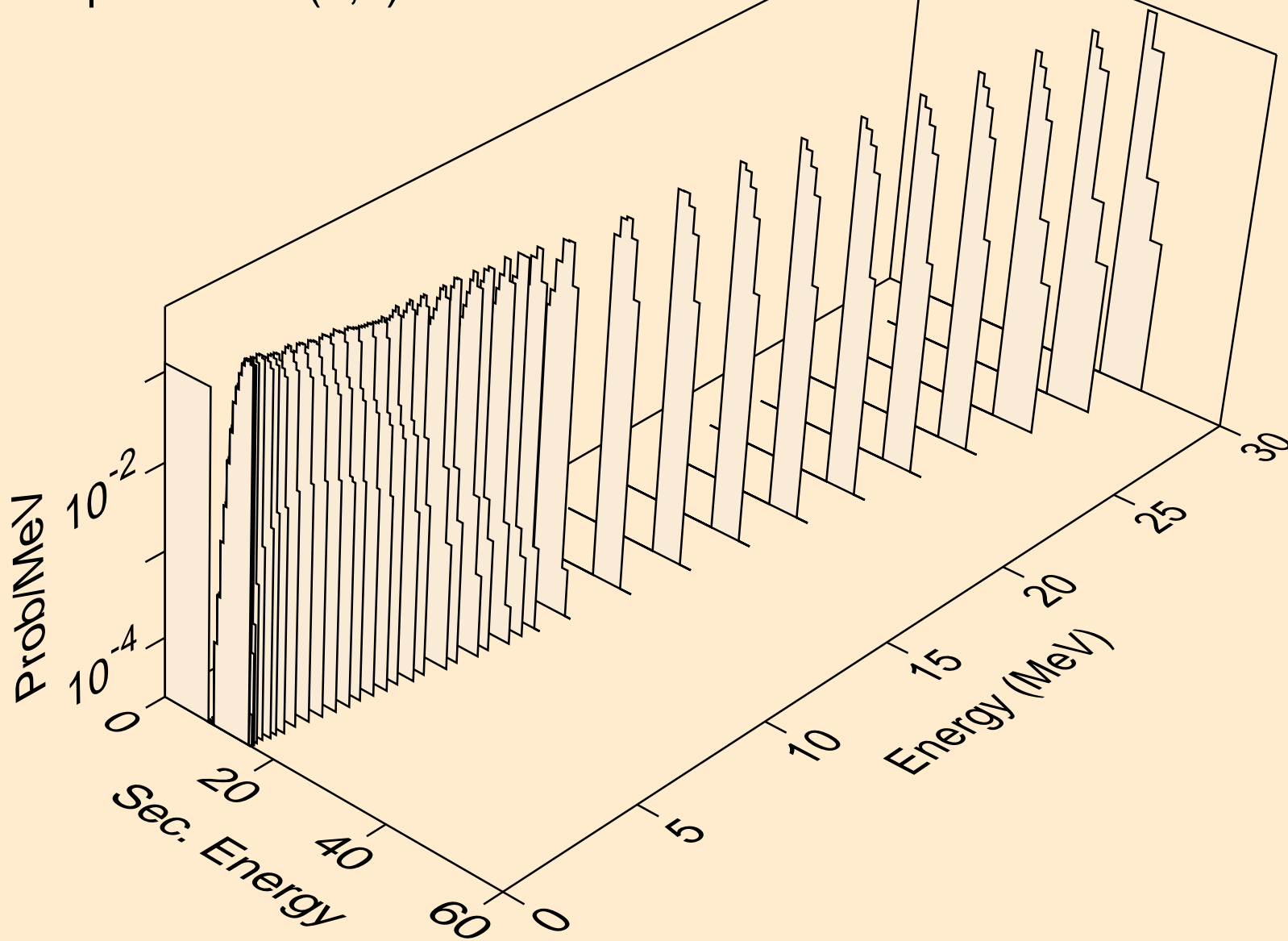
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



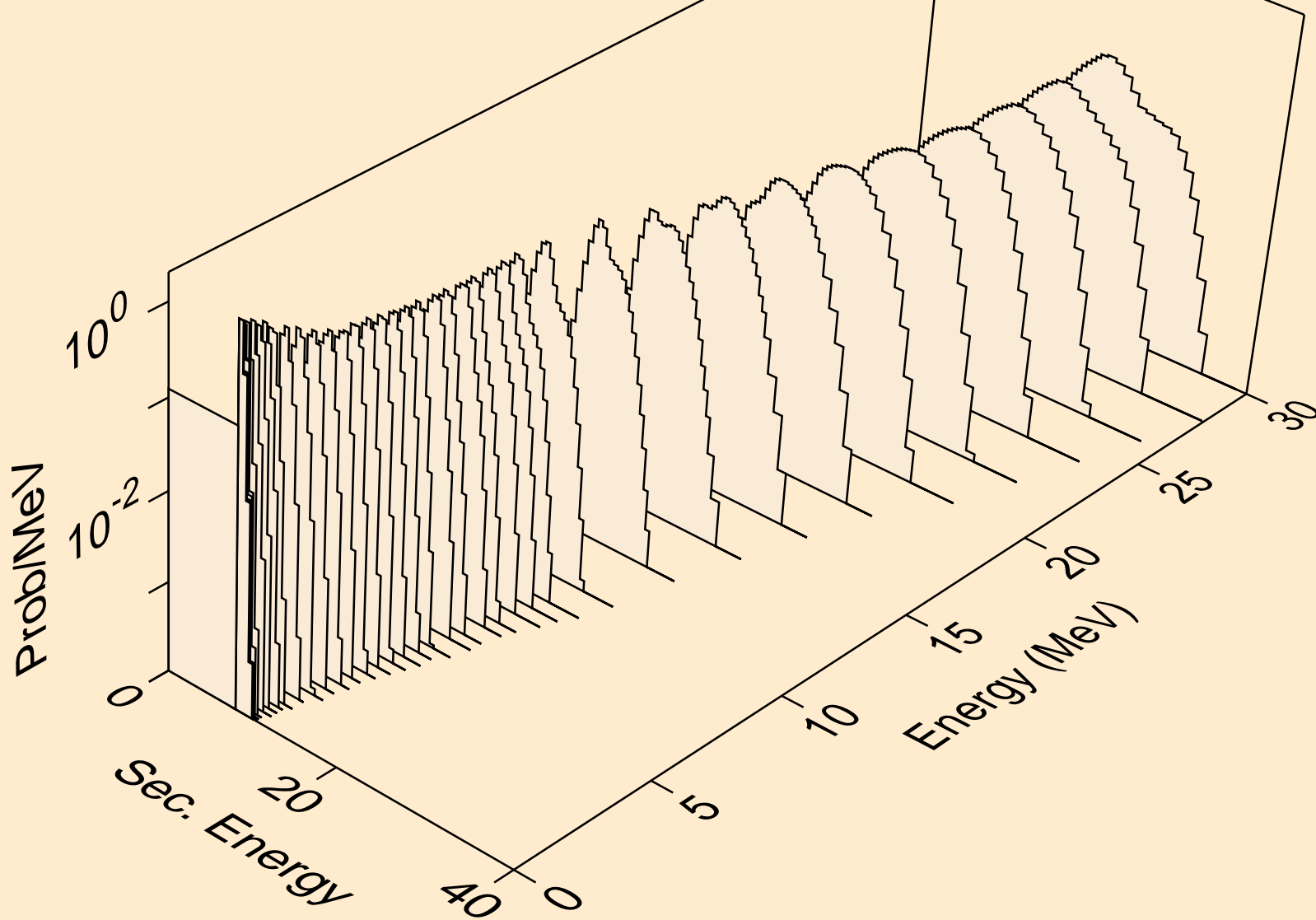
CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



CF239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

