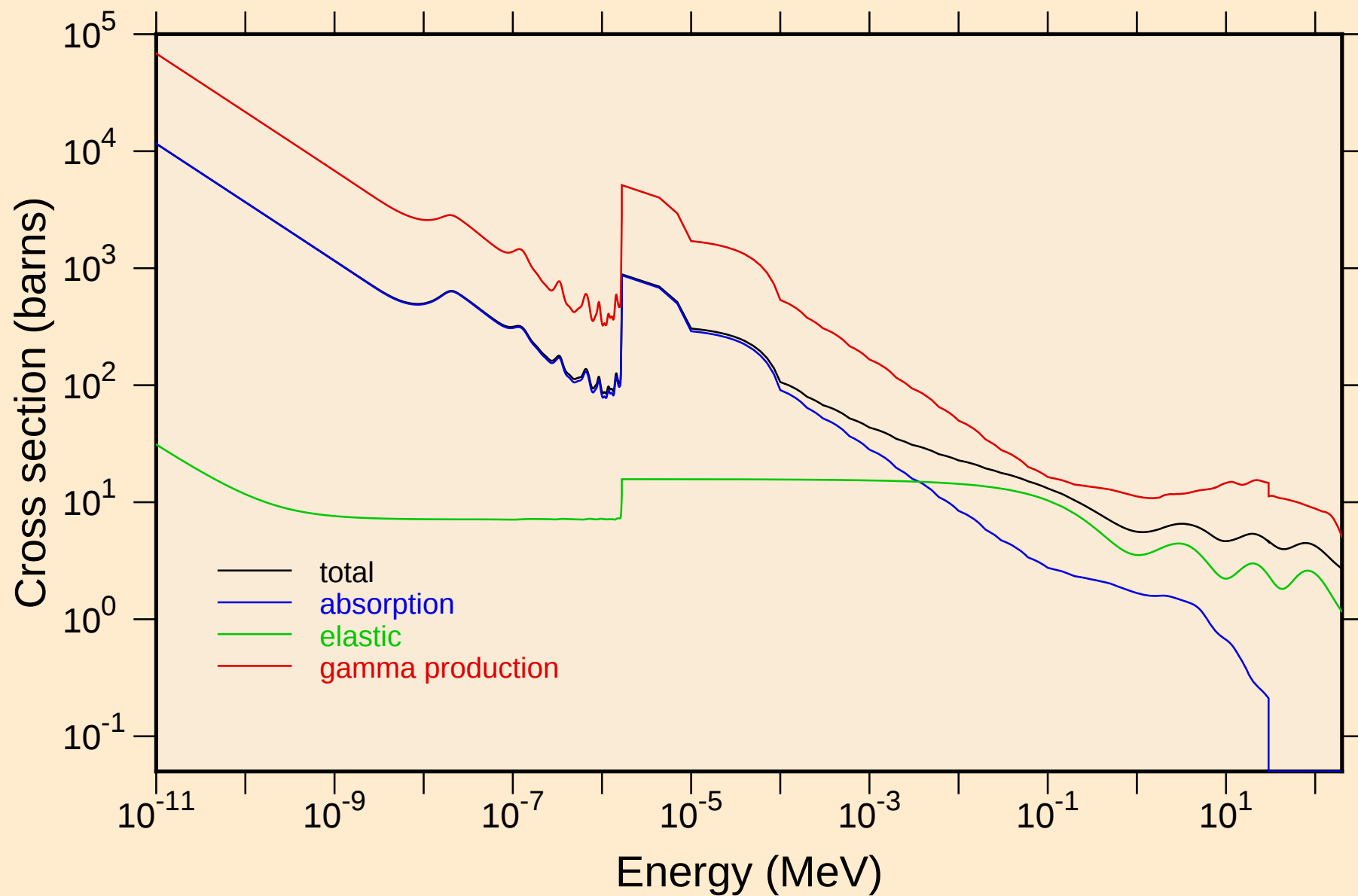
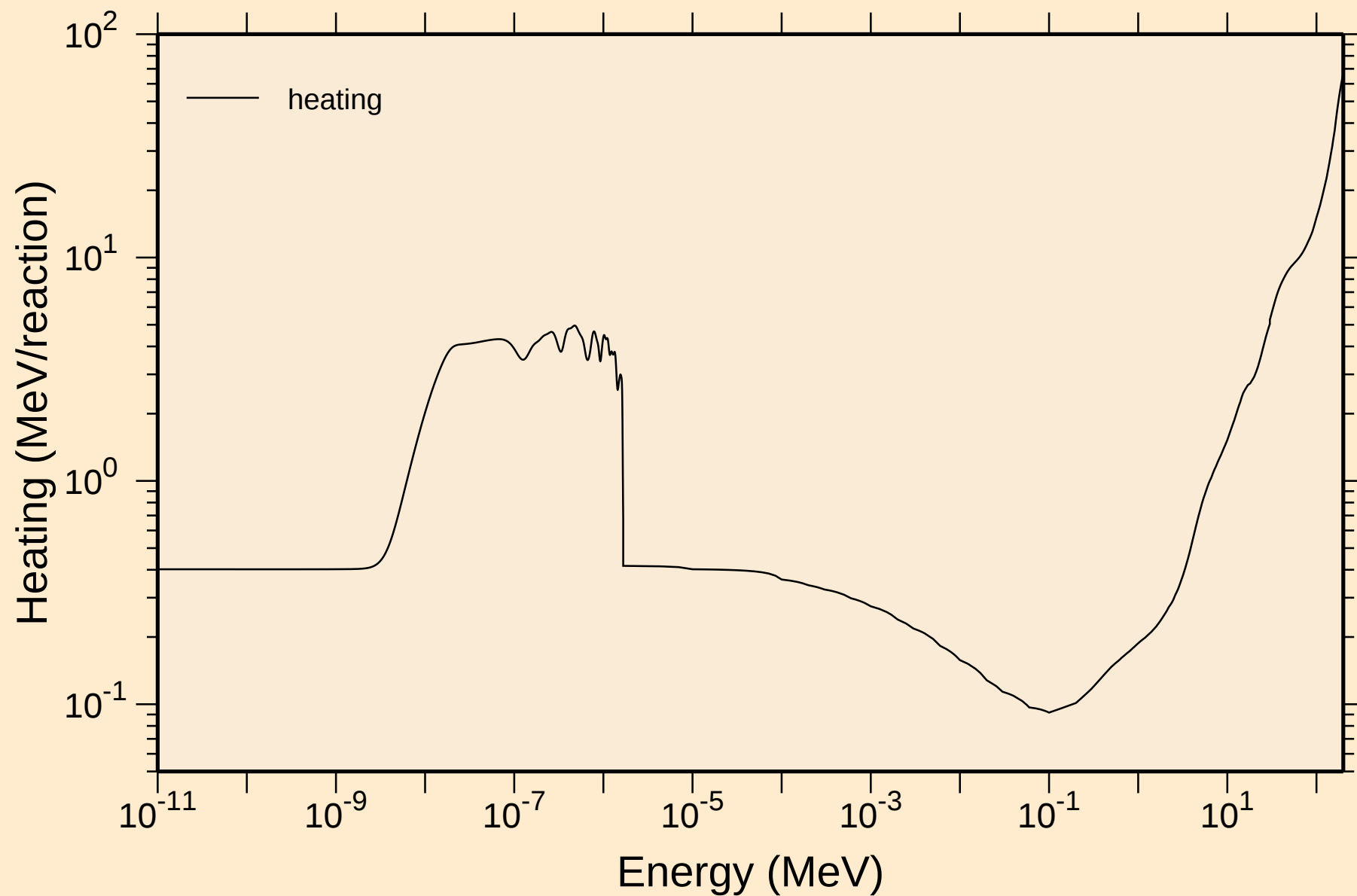


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

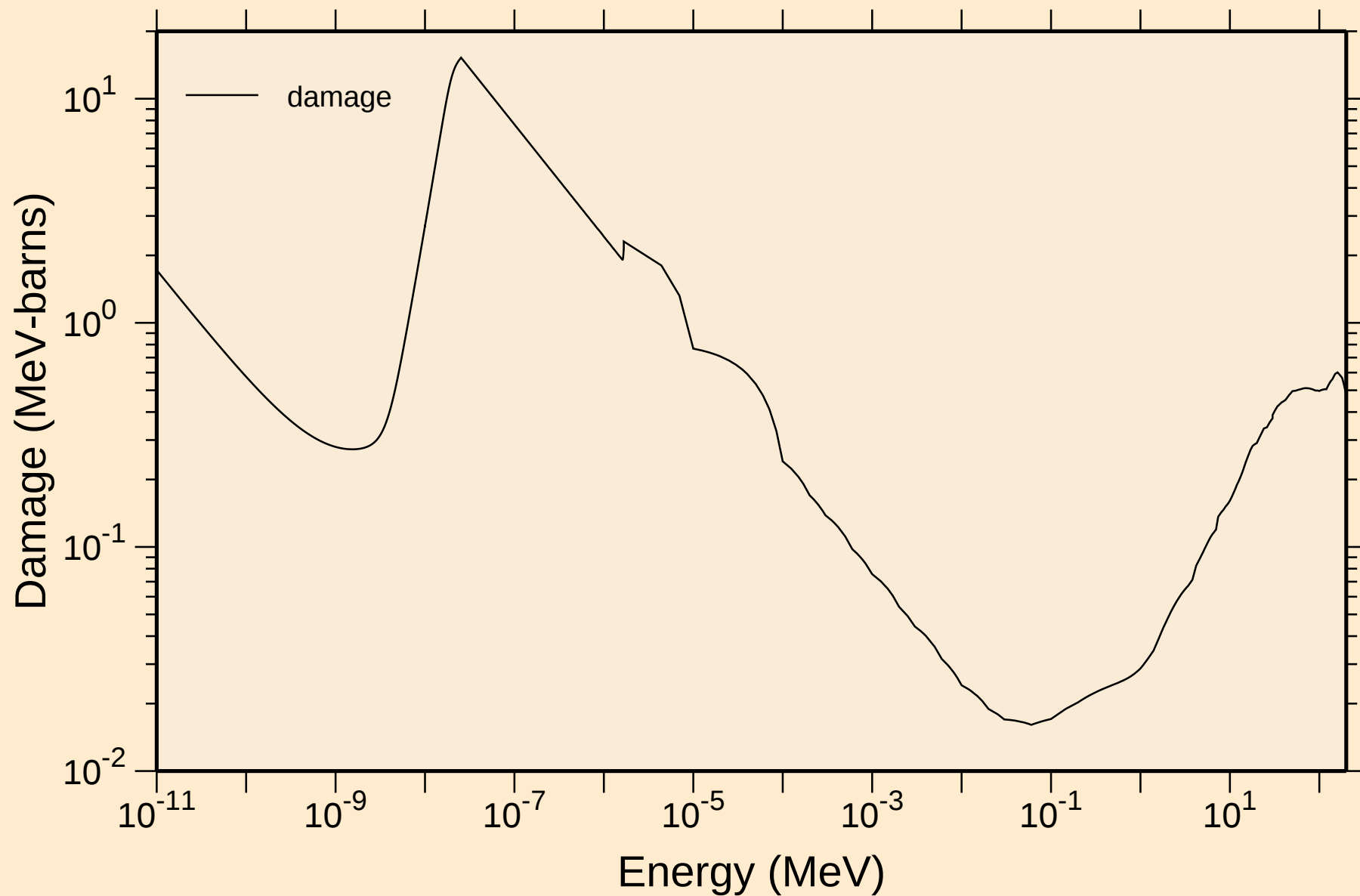
Principal cross sections



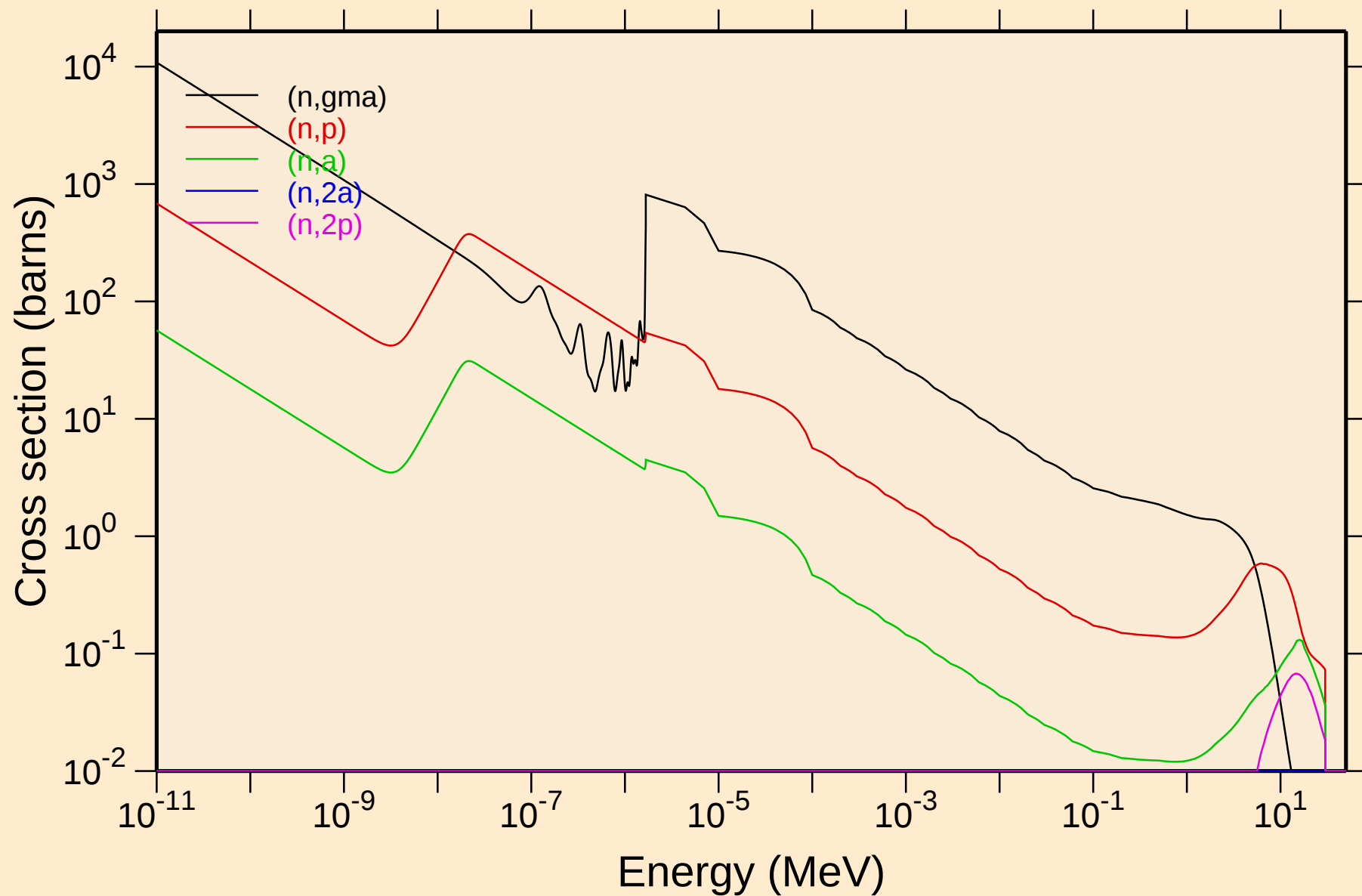
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



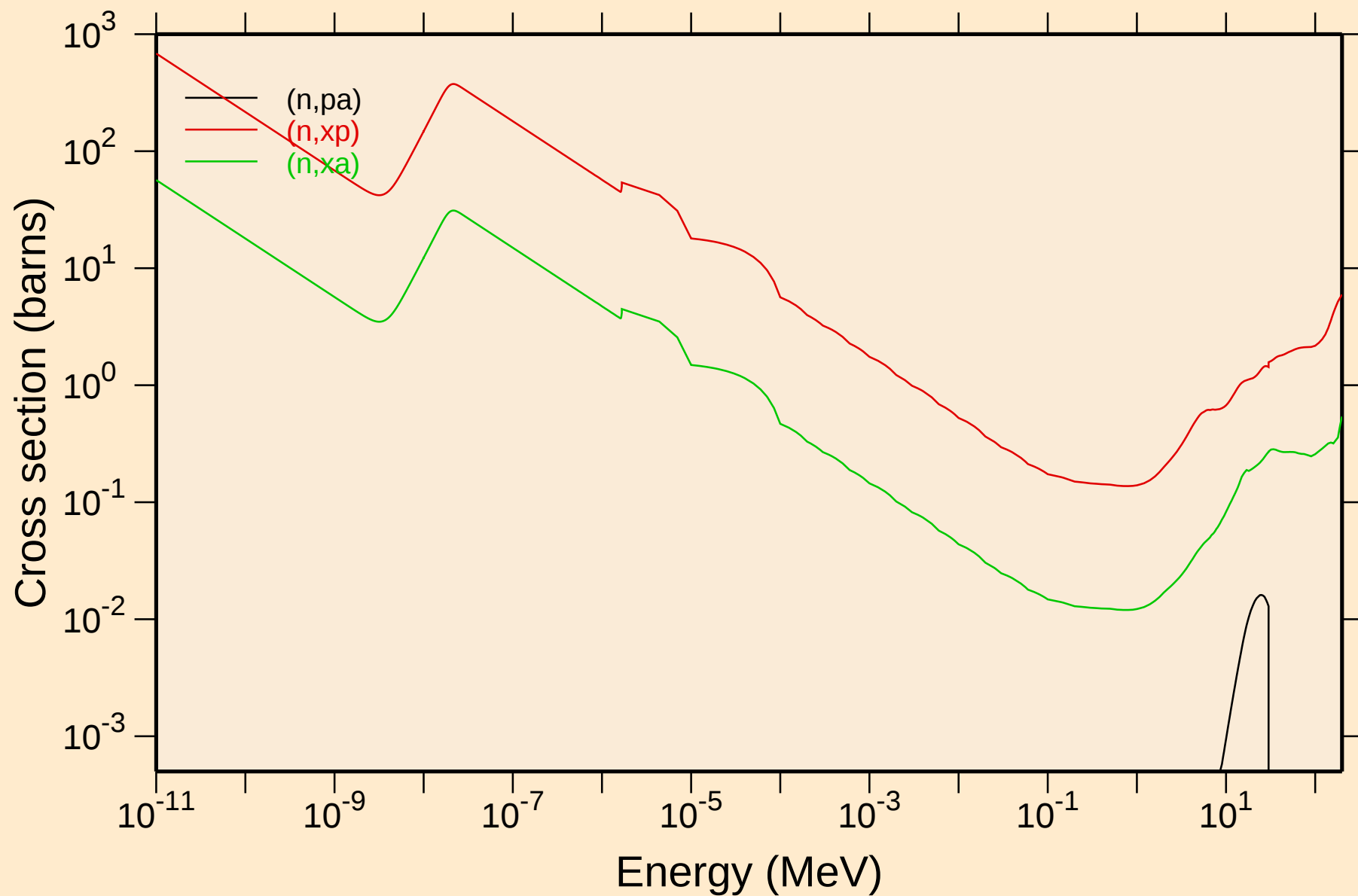
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

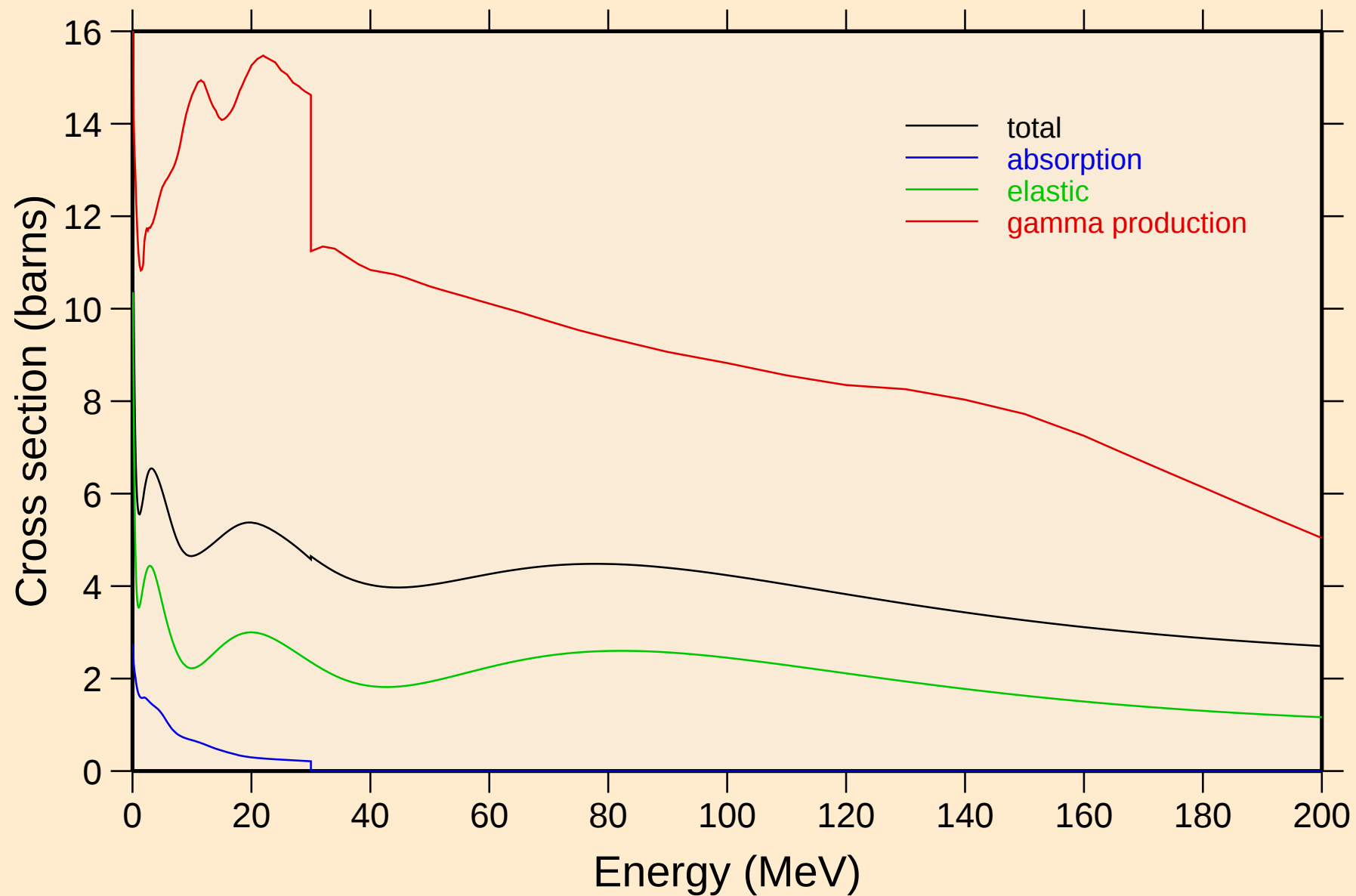


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

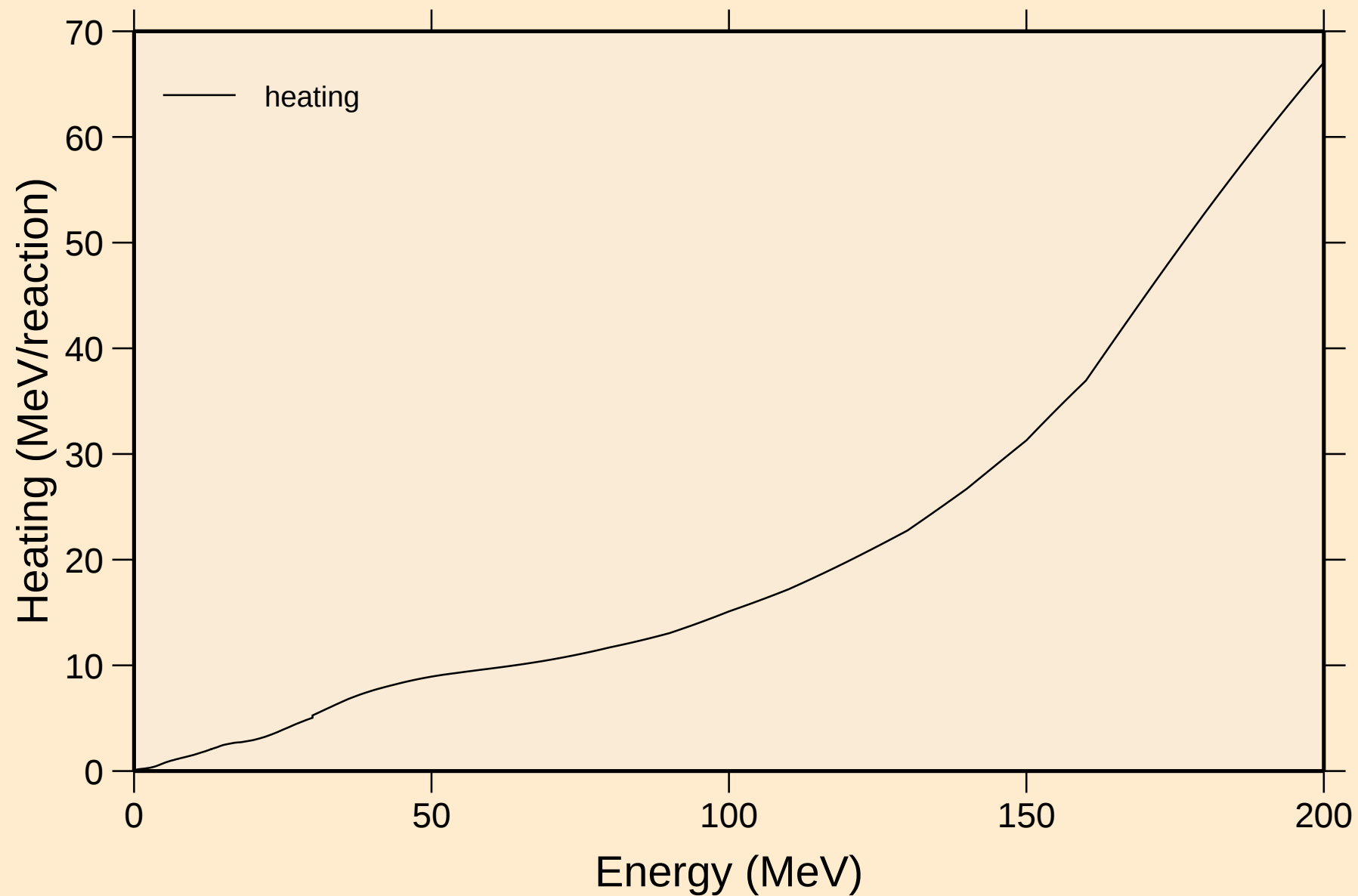


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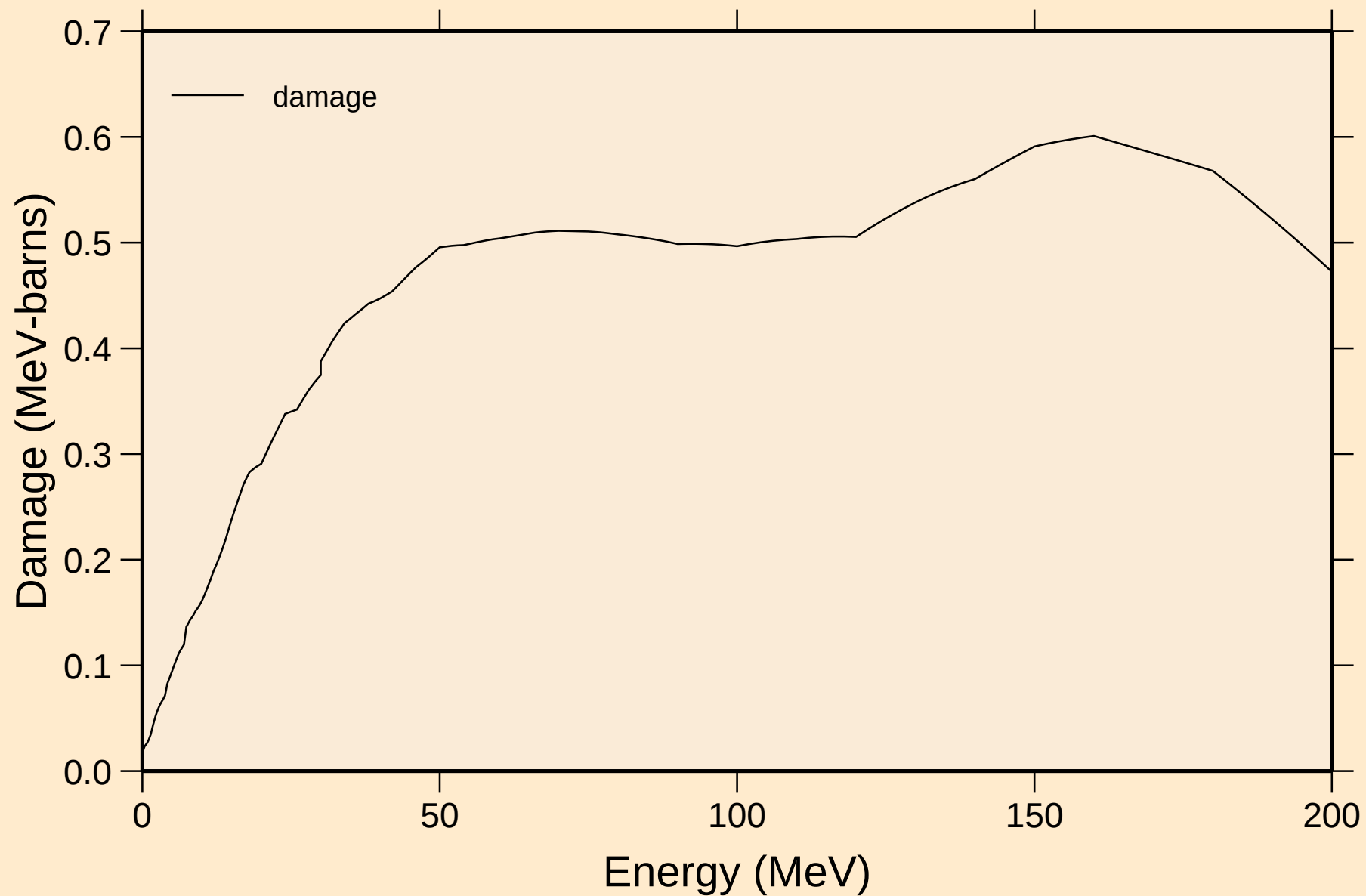
Principal cross sections



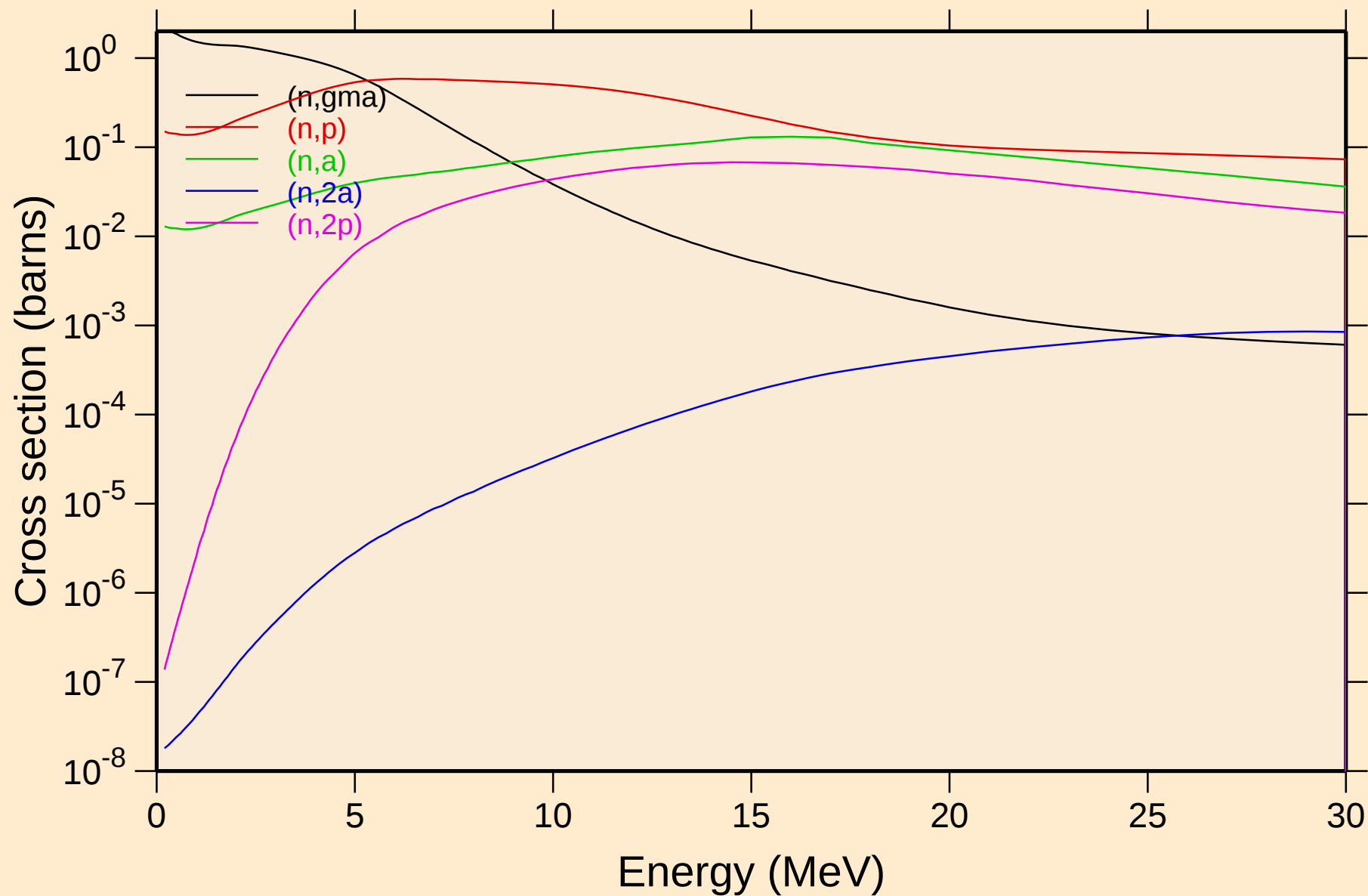
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



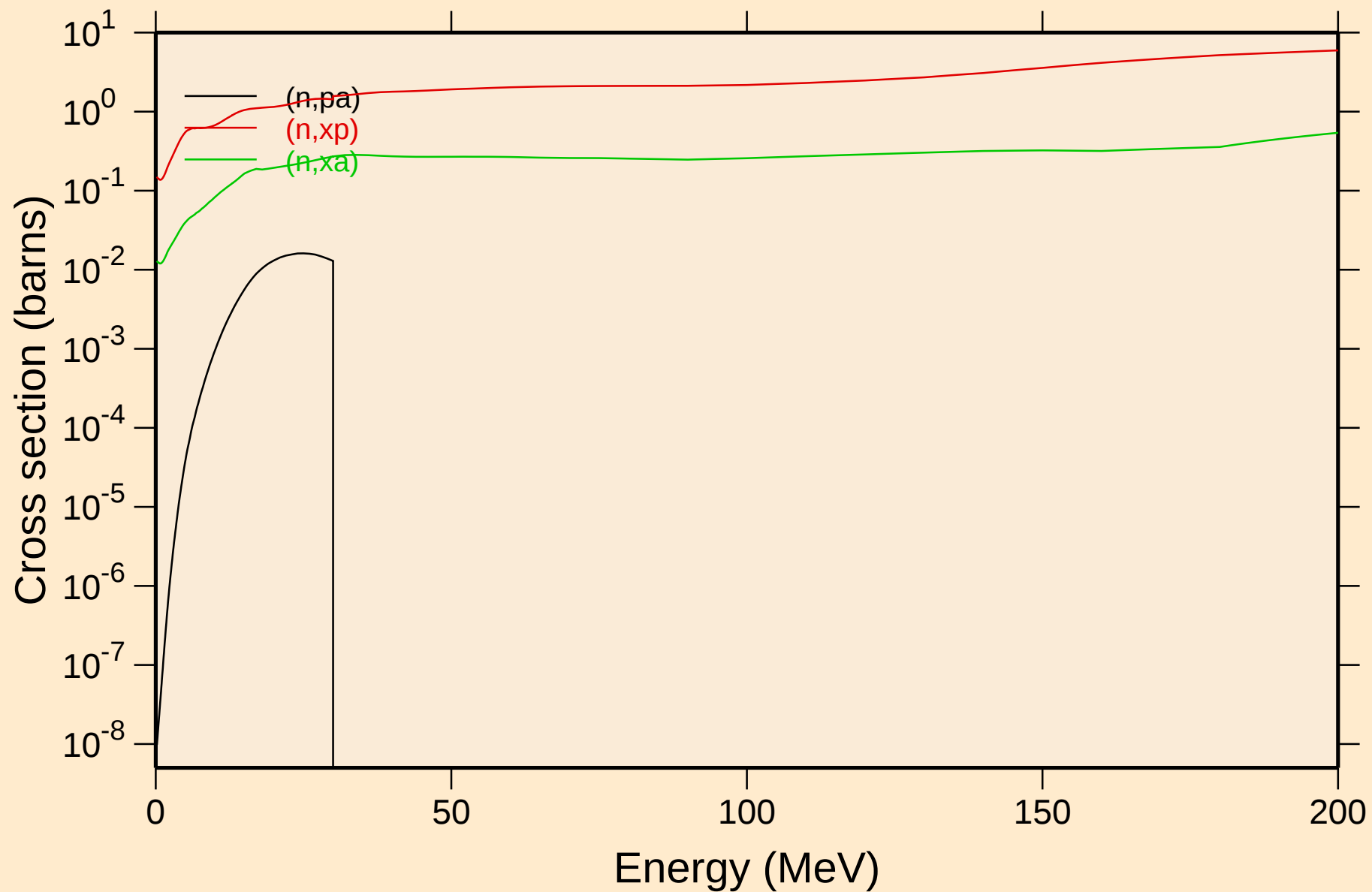
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Damage



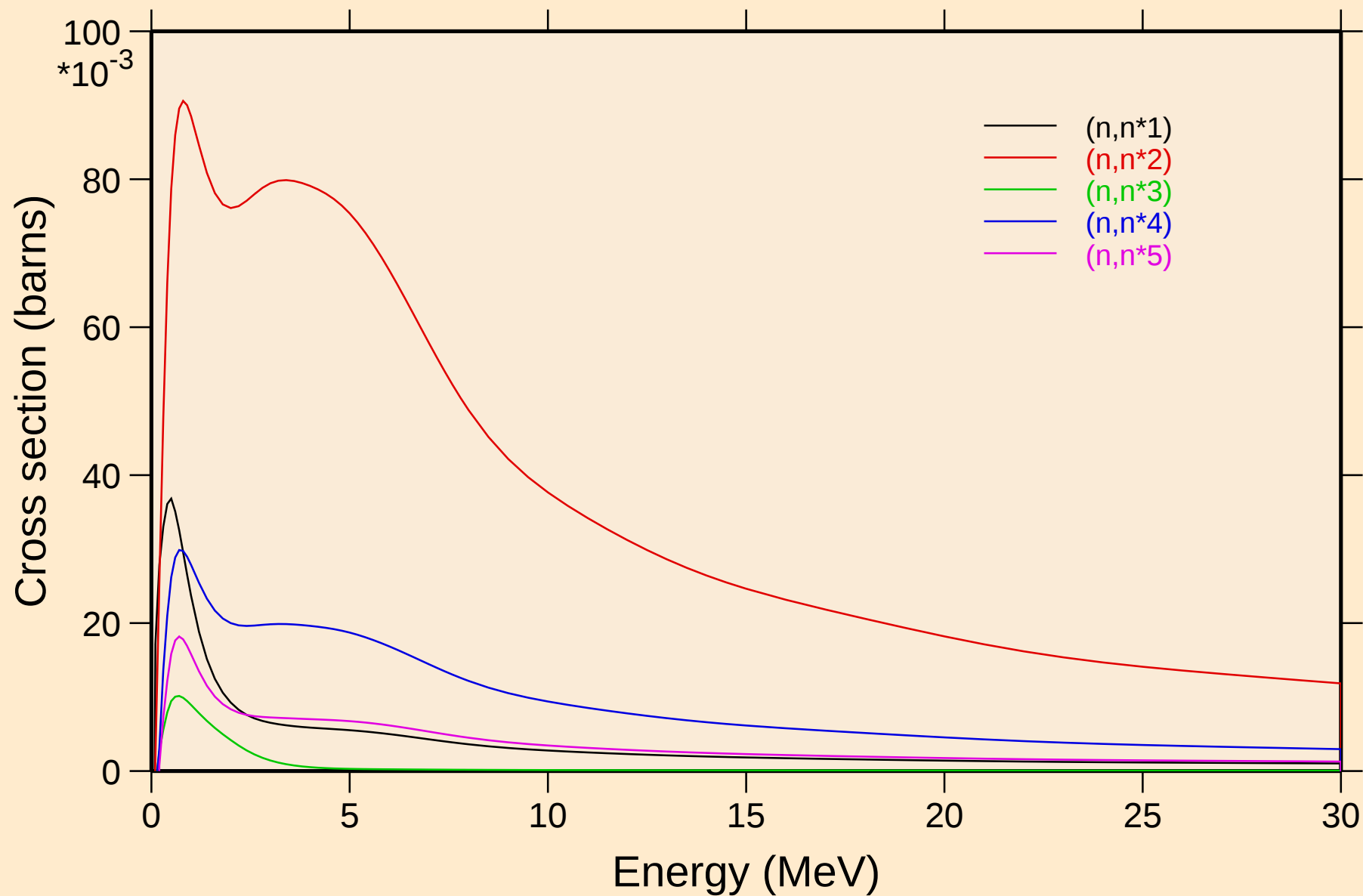
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Non-threshold reactions



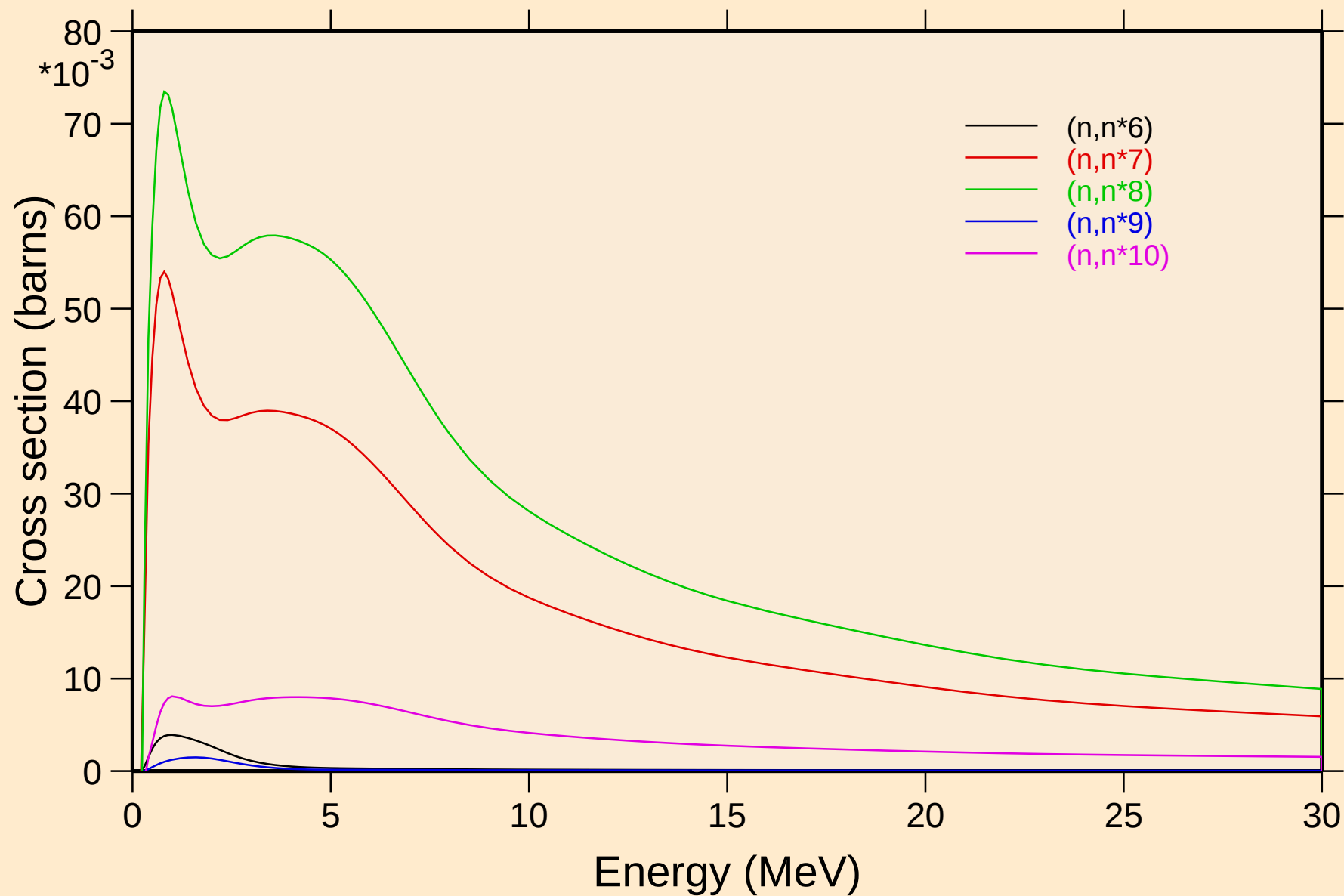
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Non-threshold reactions



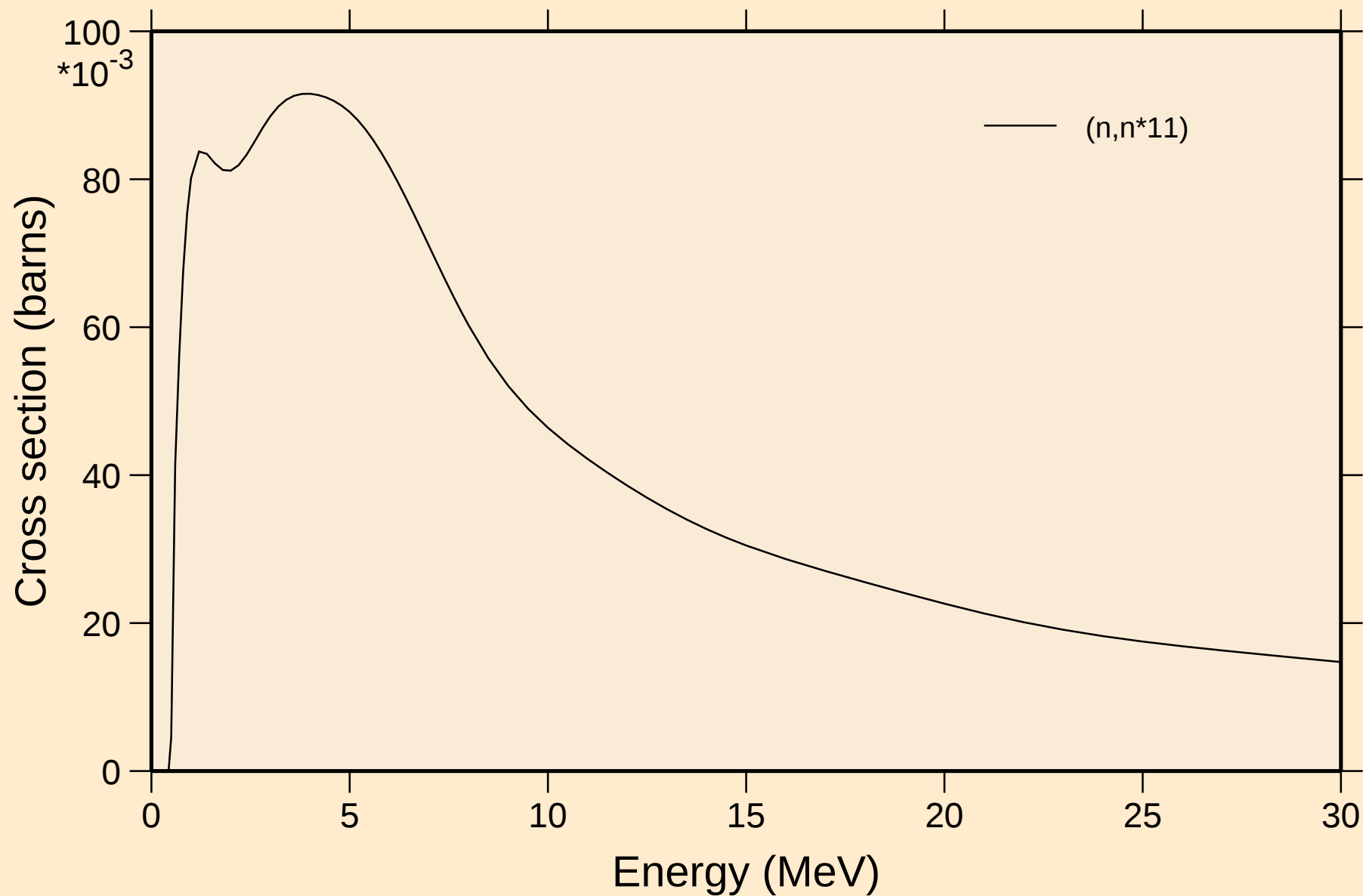
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Inelastic levels



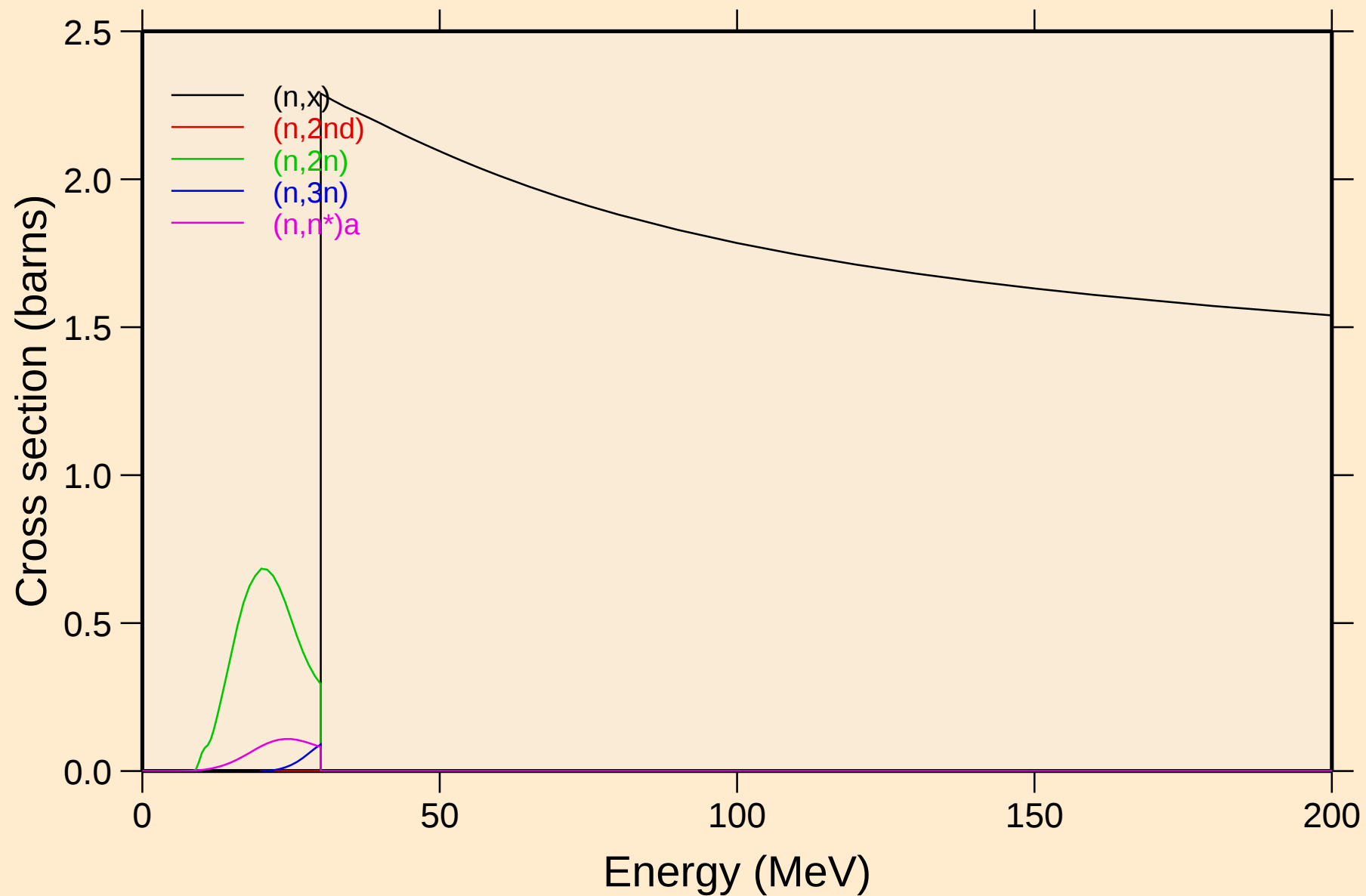
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



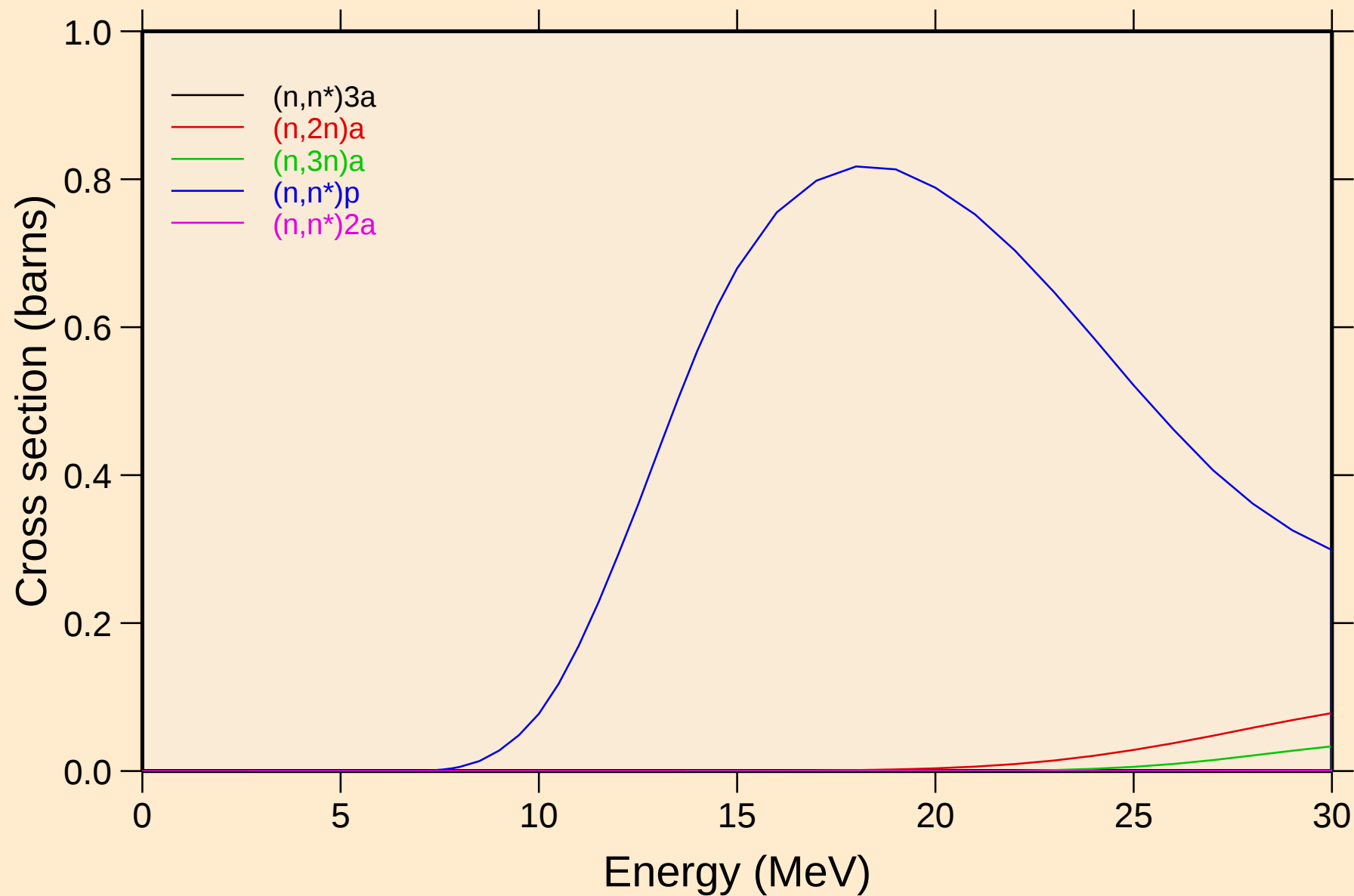
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Inelastic levels



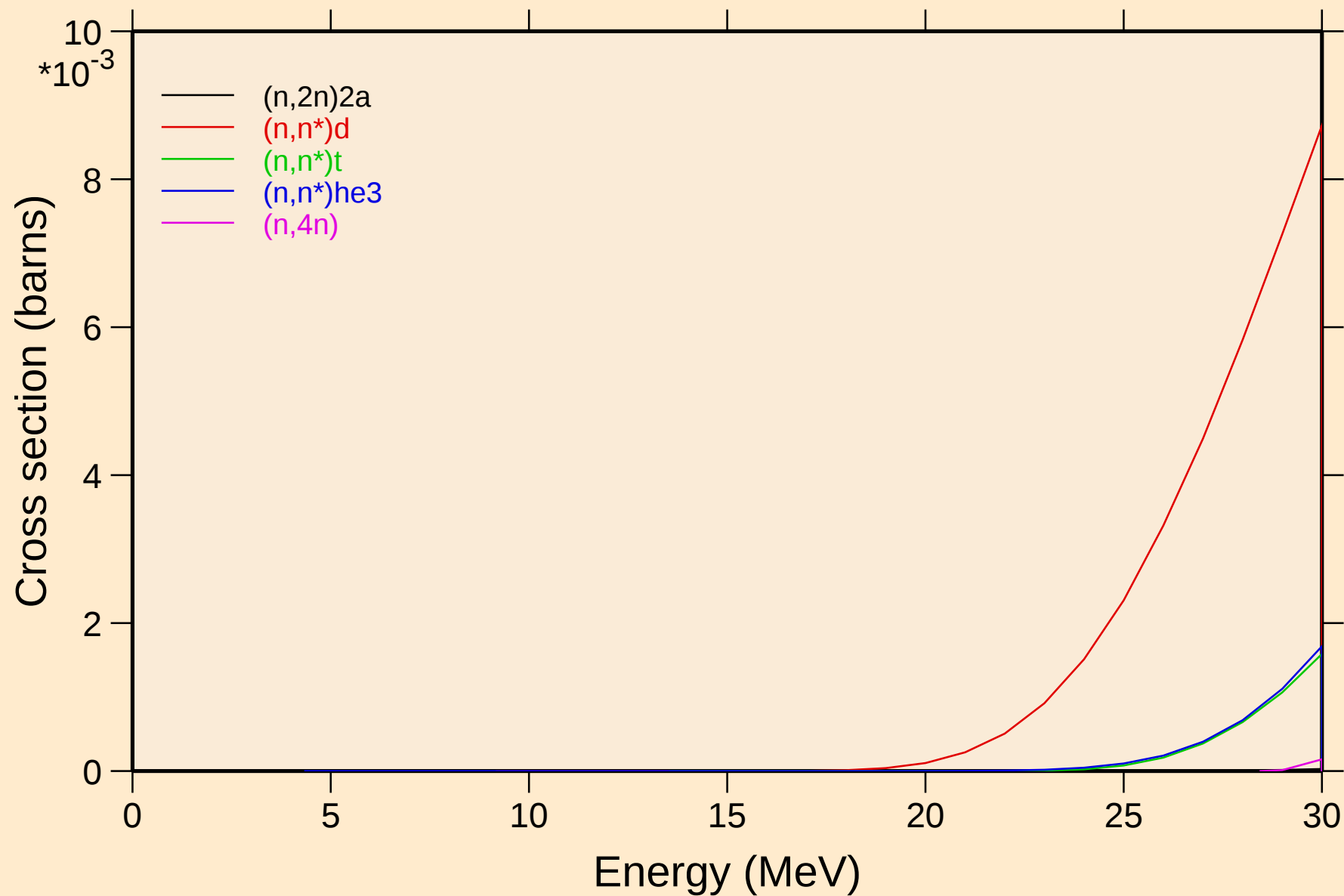
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Threshold reactions



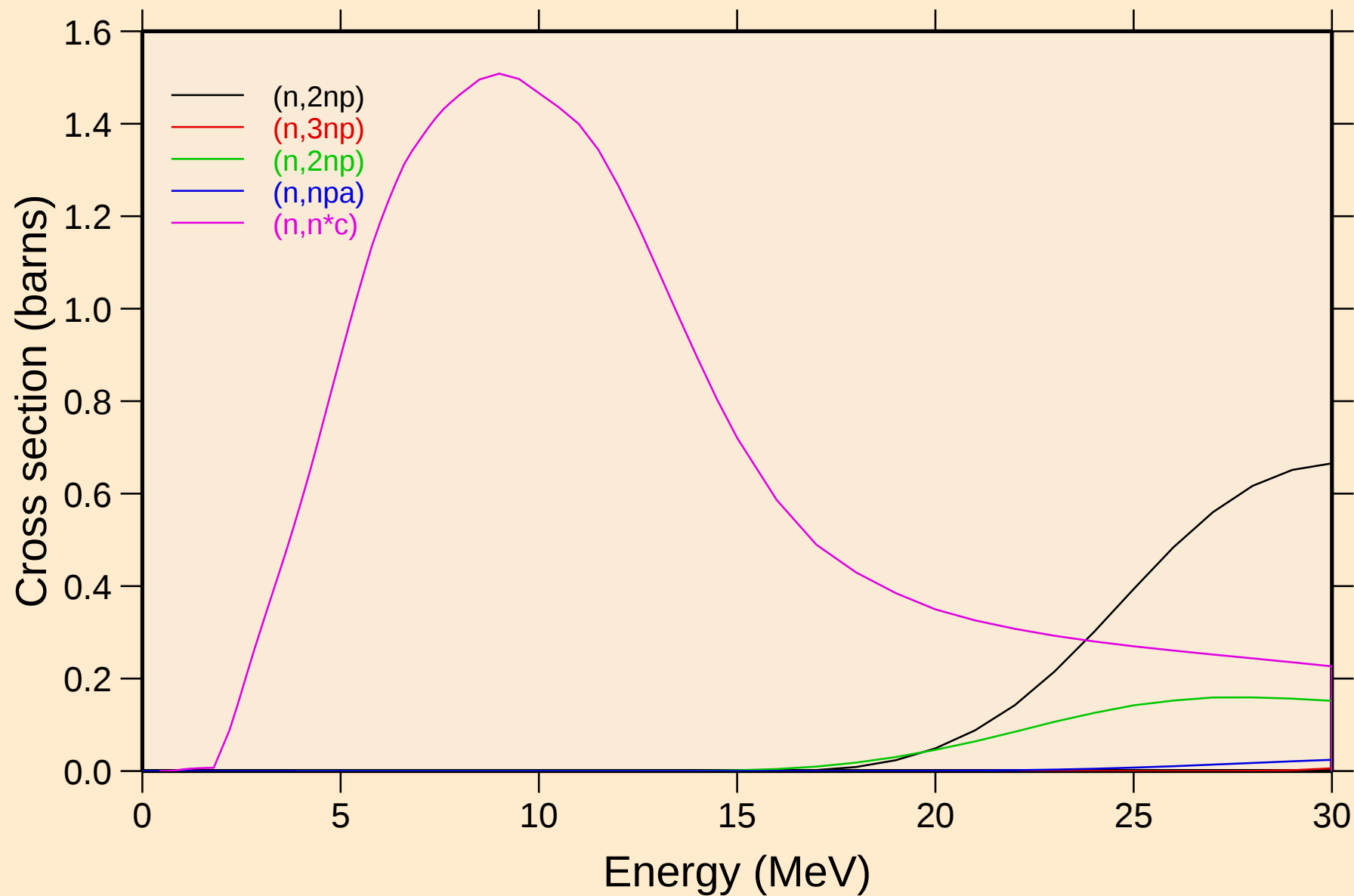
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Threshold reactions



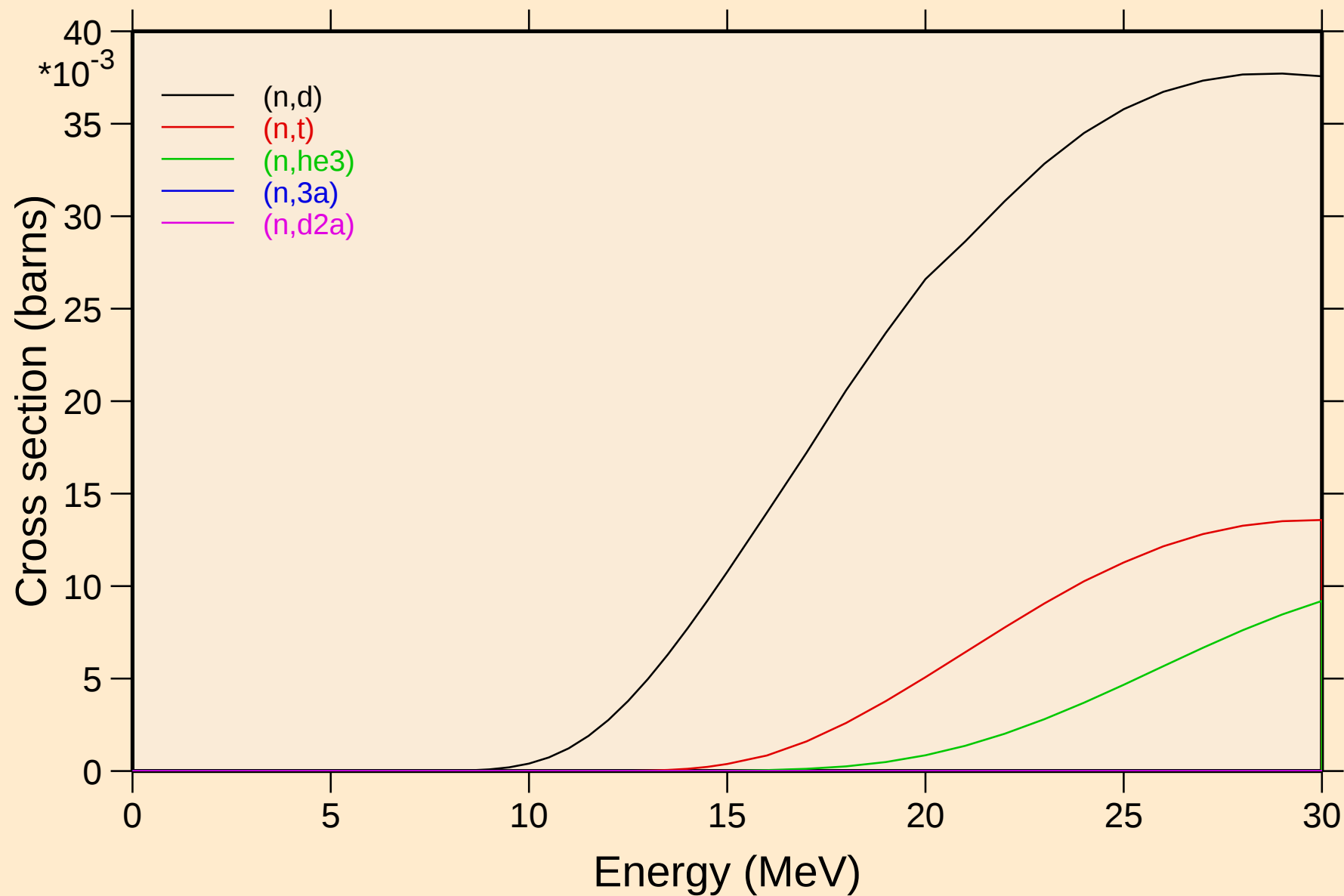
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Threshold reactions



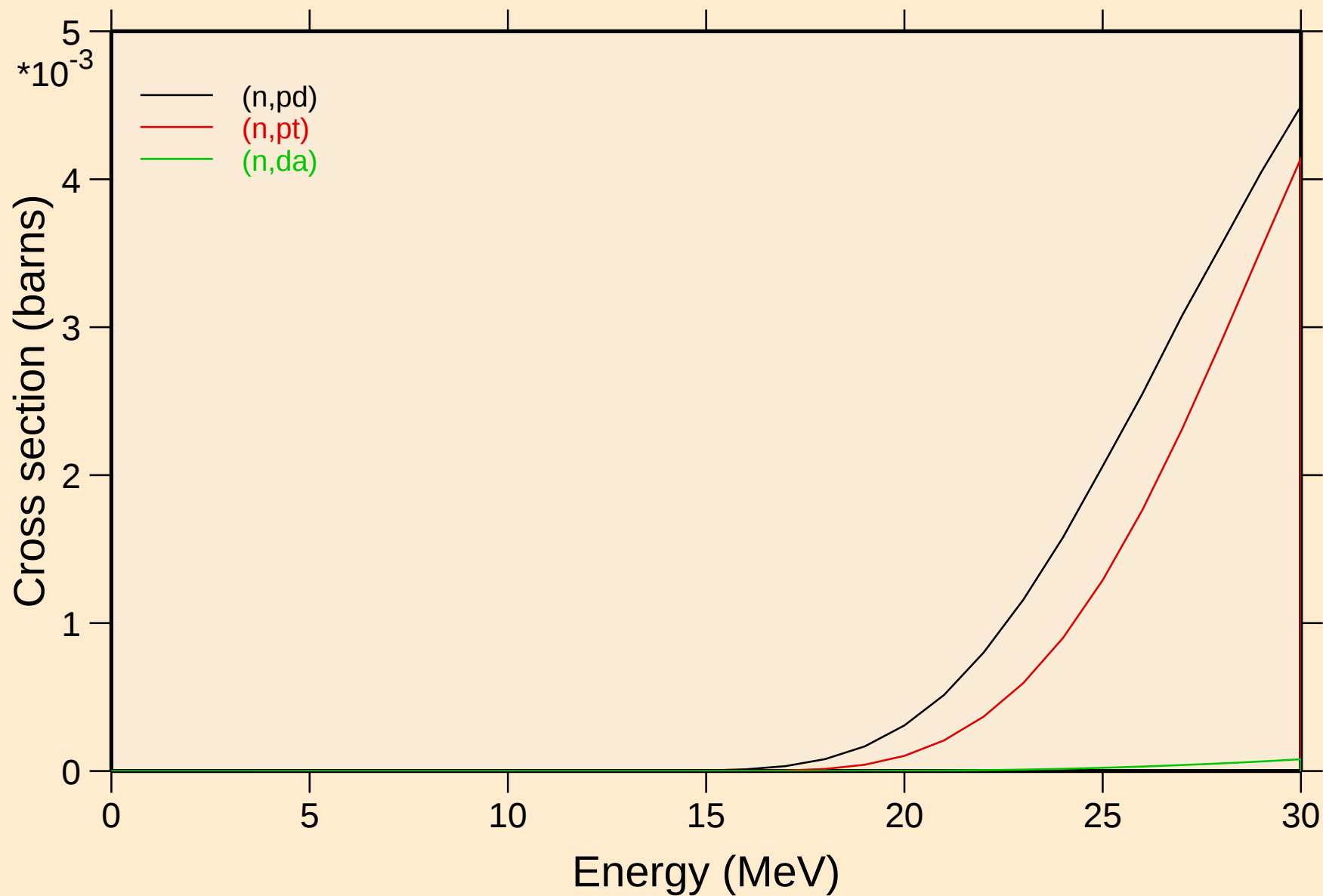
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Threshold reactions



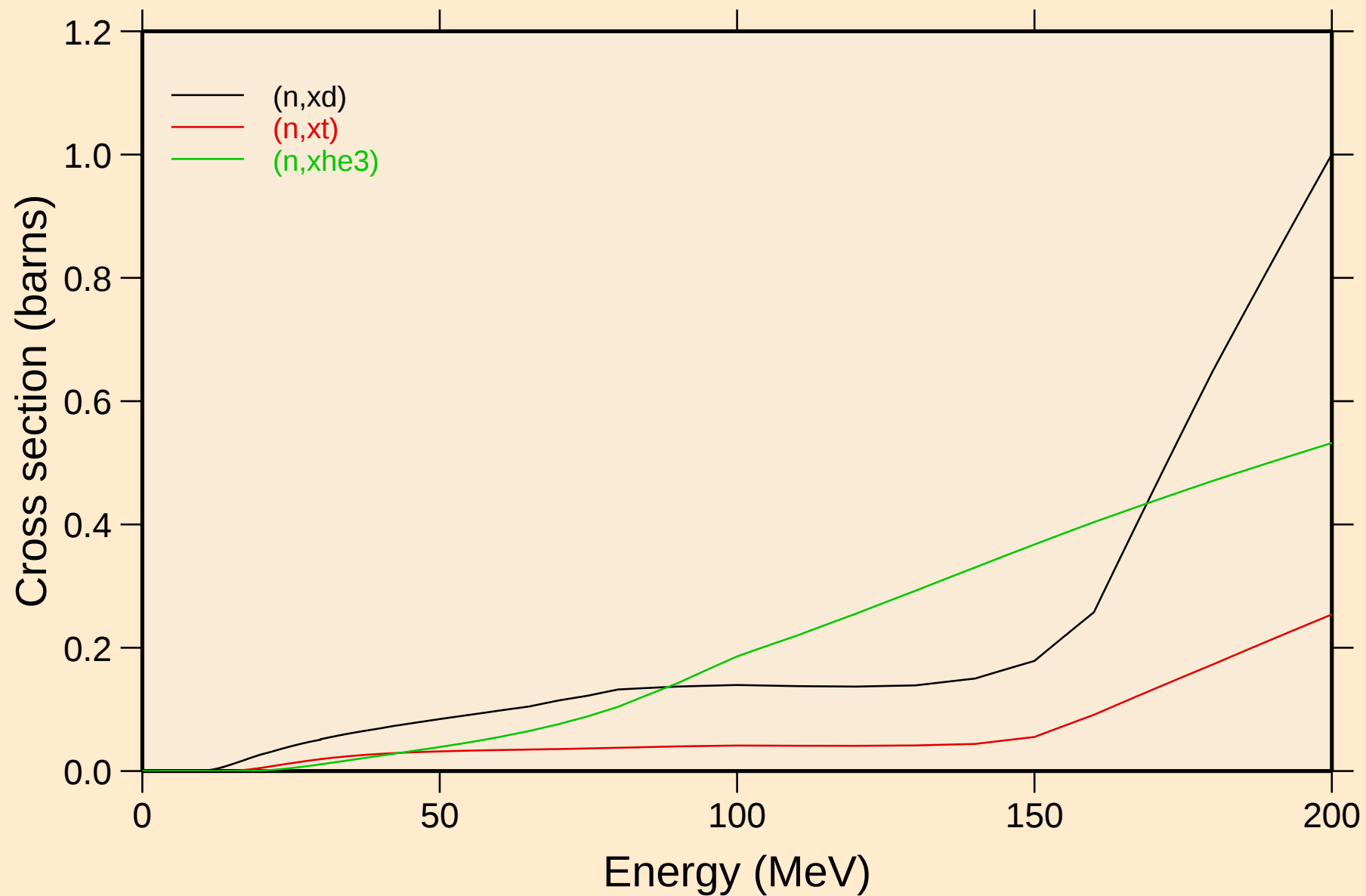
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Threshold reactions



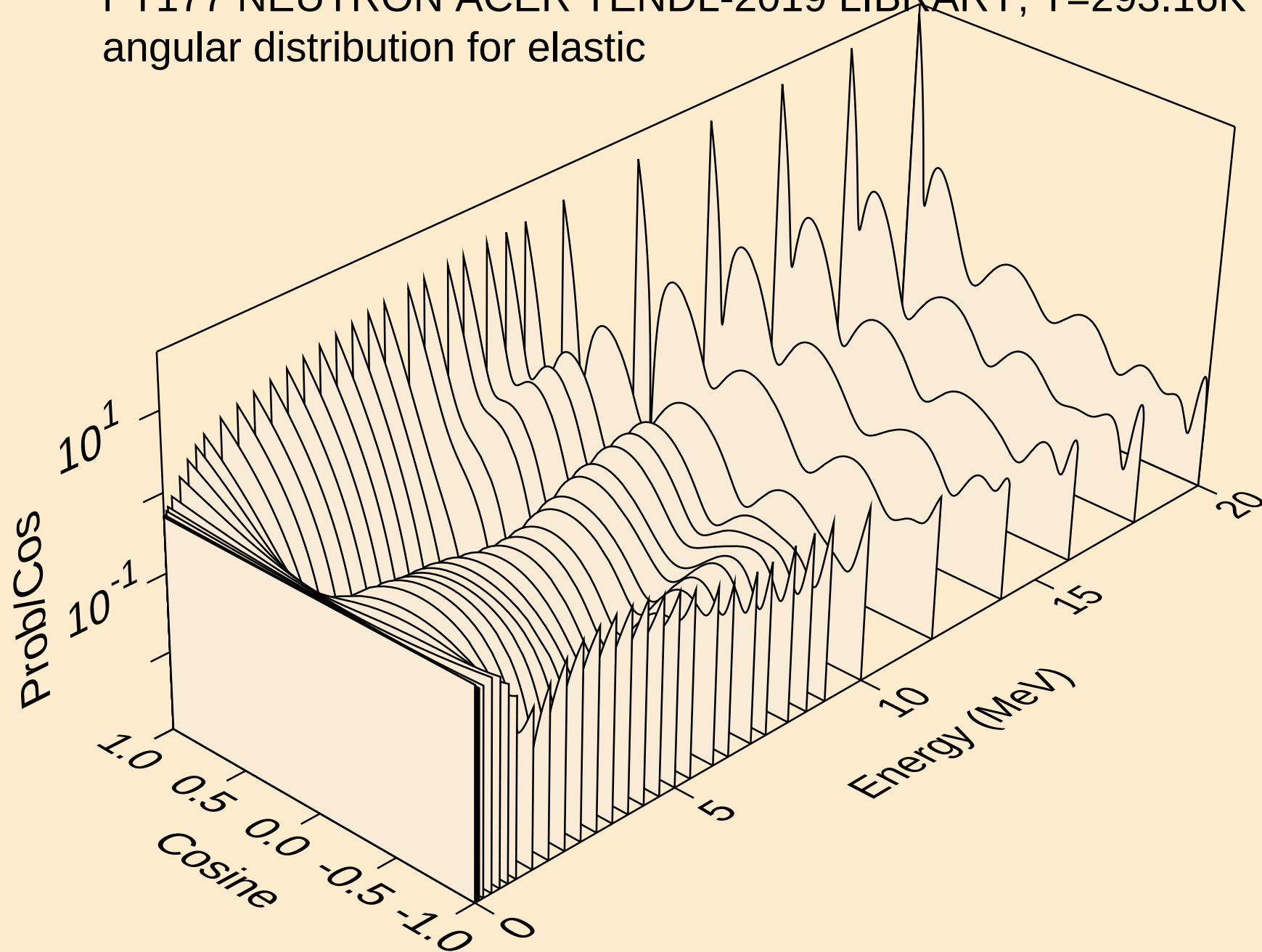
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



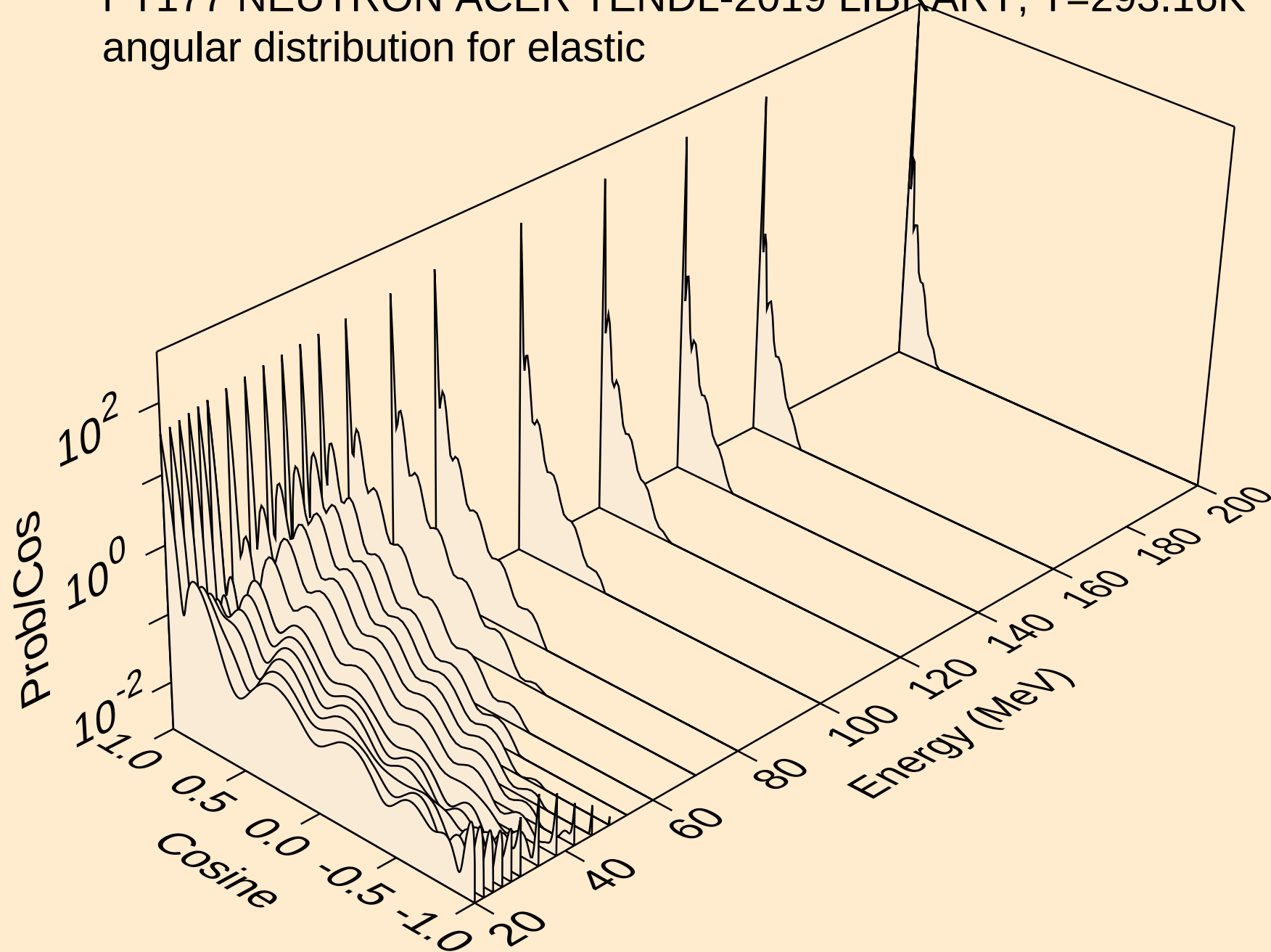
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Threshold reactions



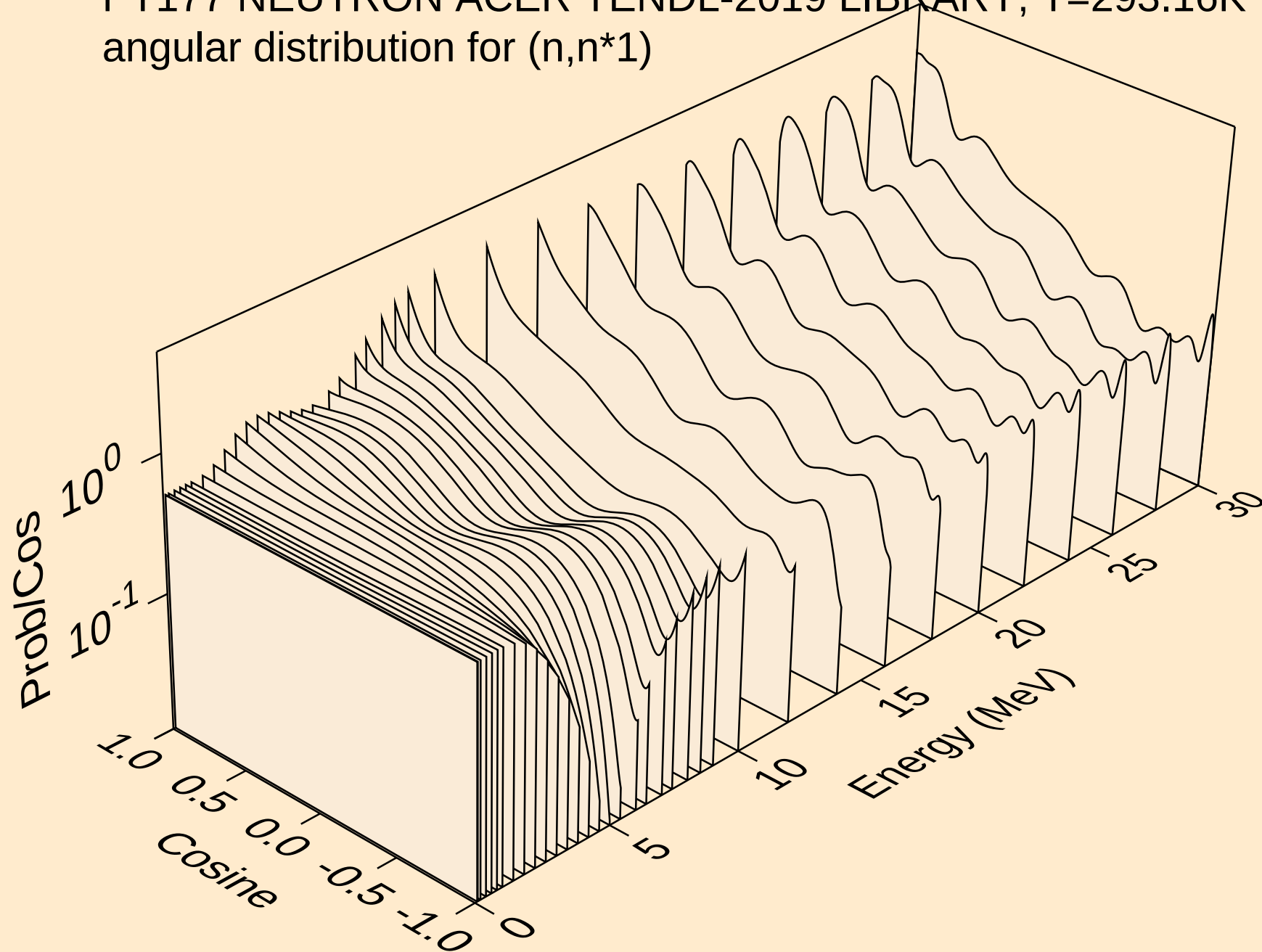
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angular distribution for elastic



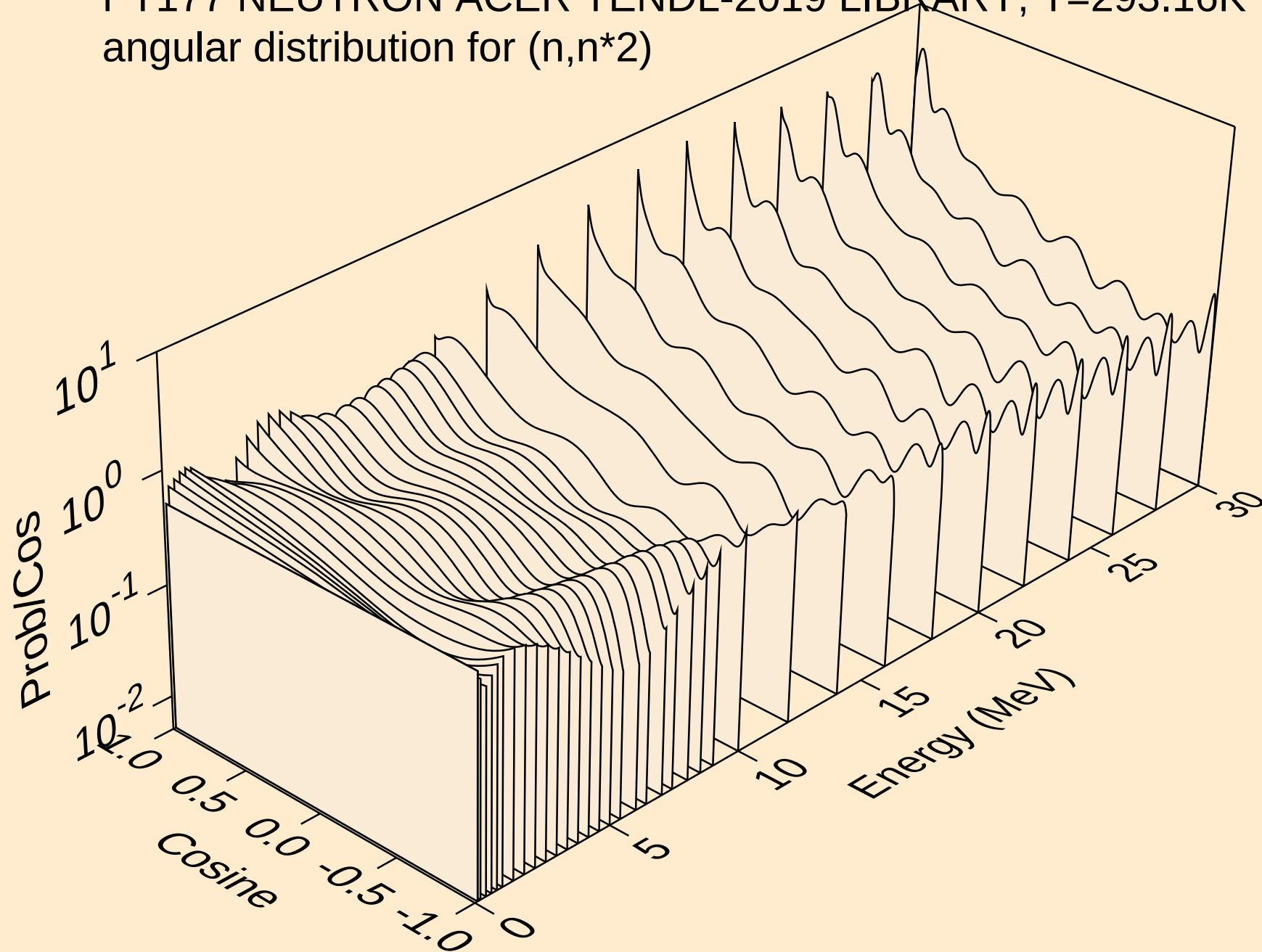
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angular distribution for elastic



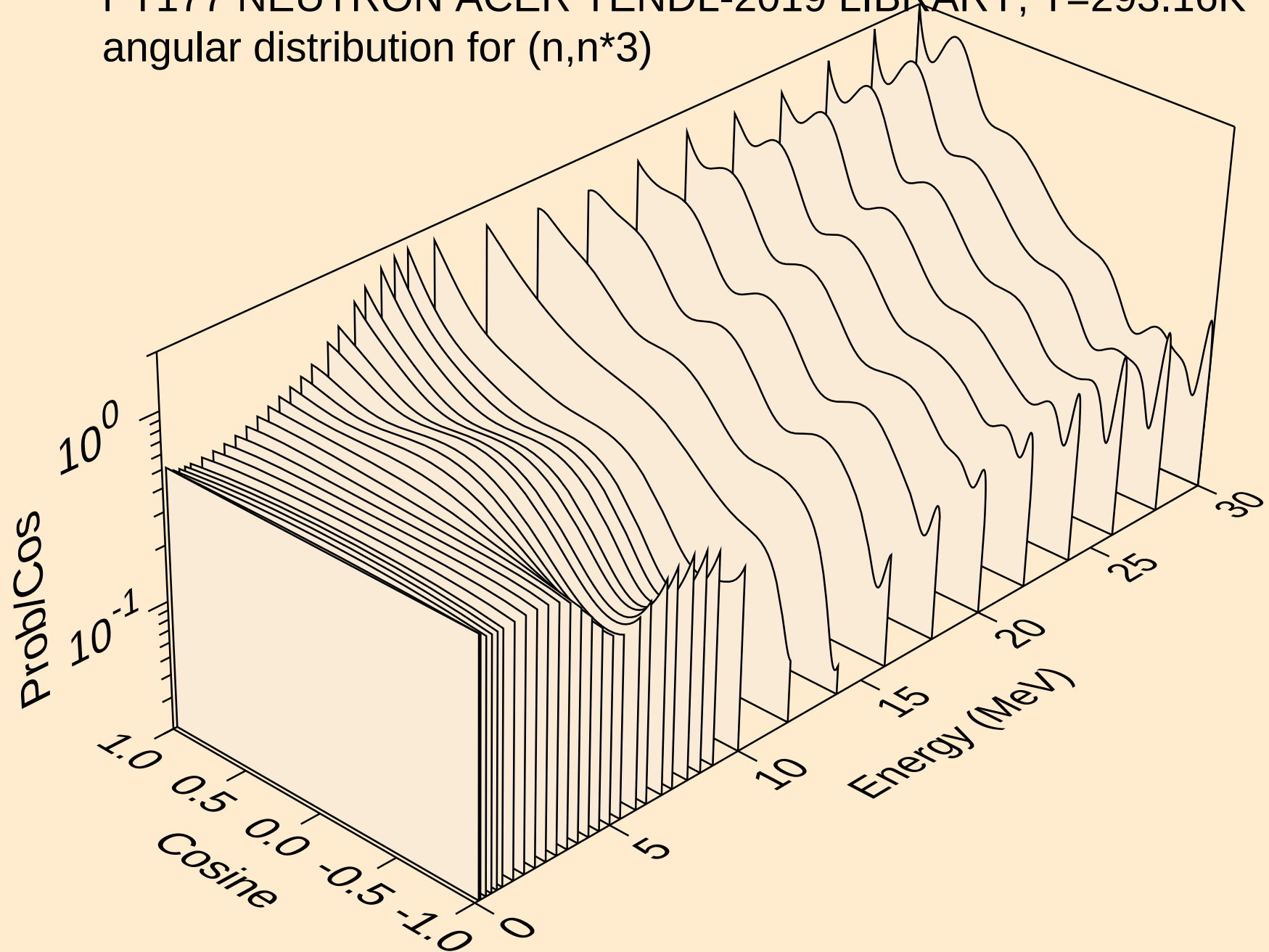
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



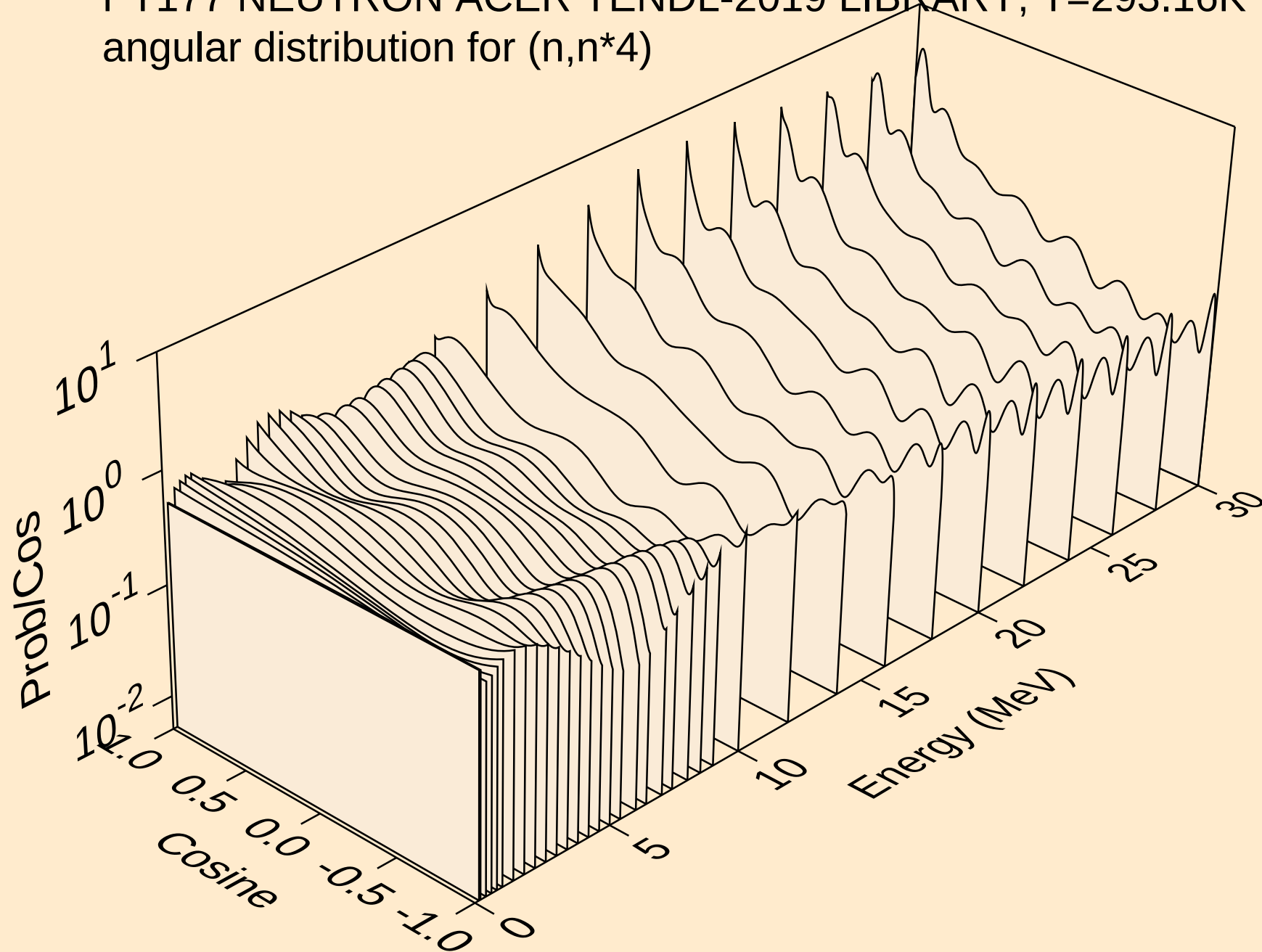
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*)



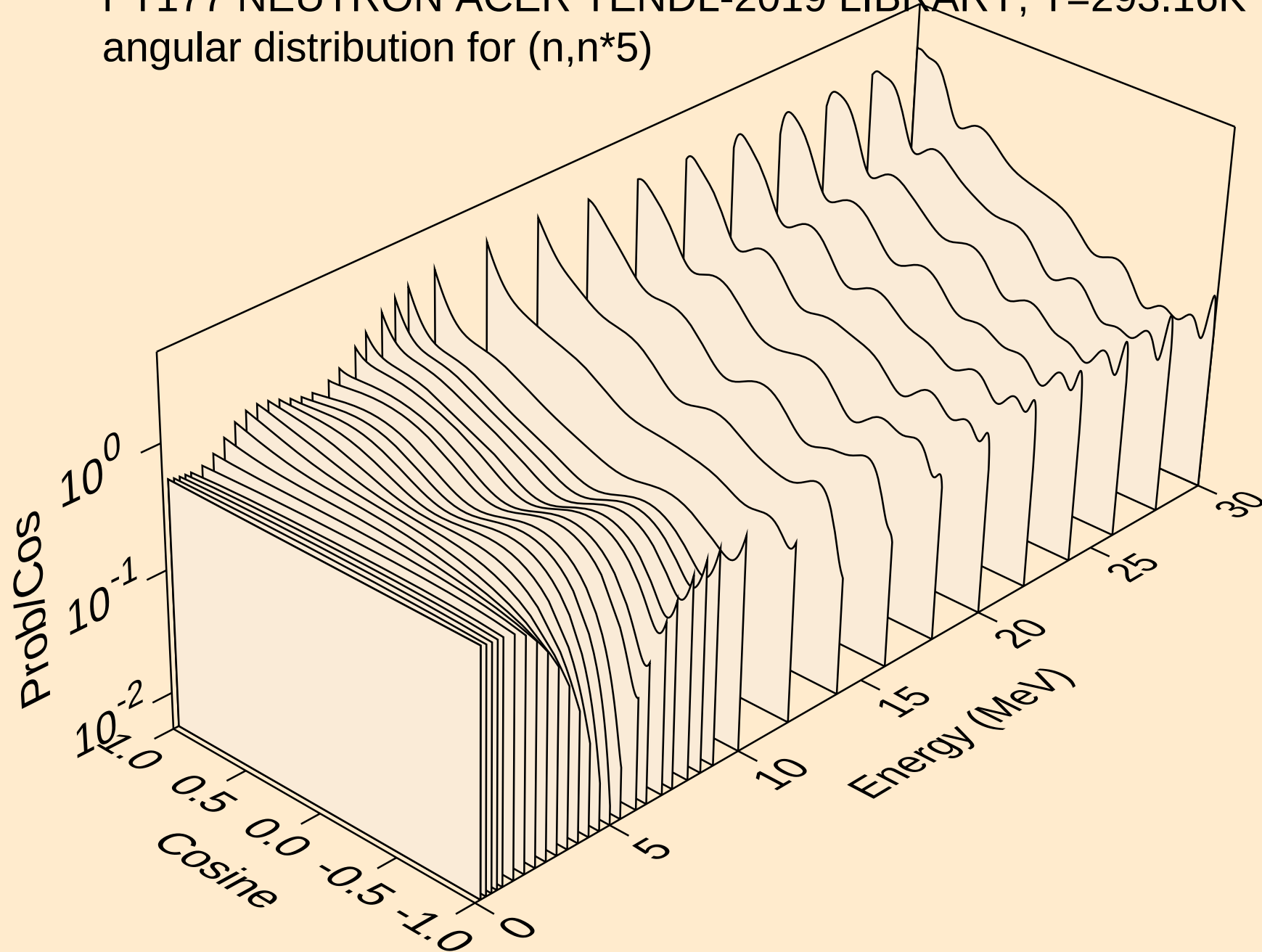
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angular distribution for (n,n*3)



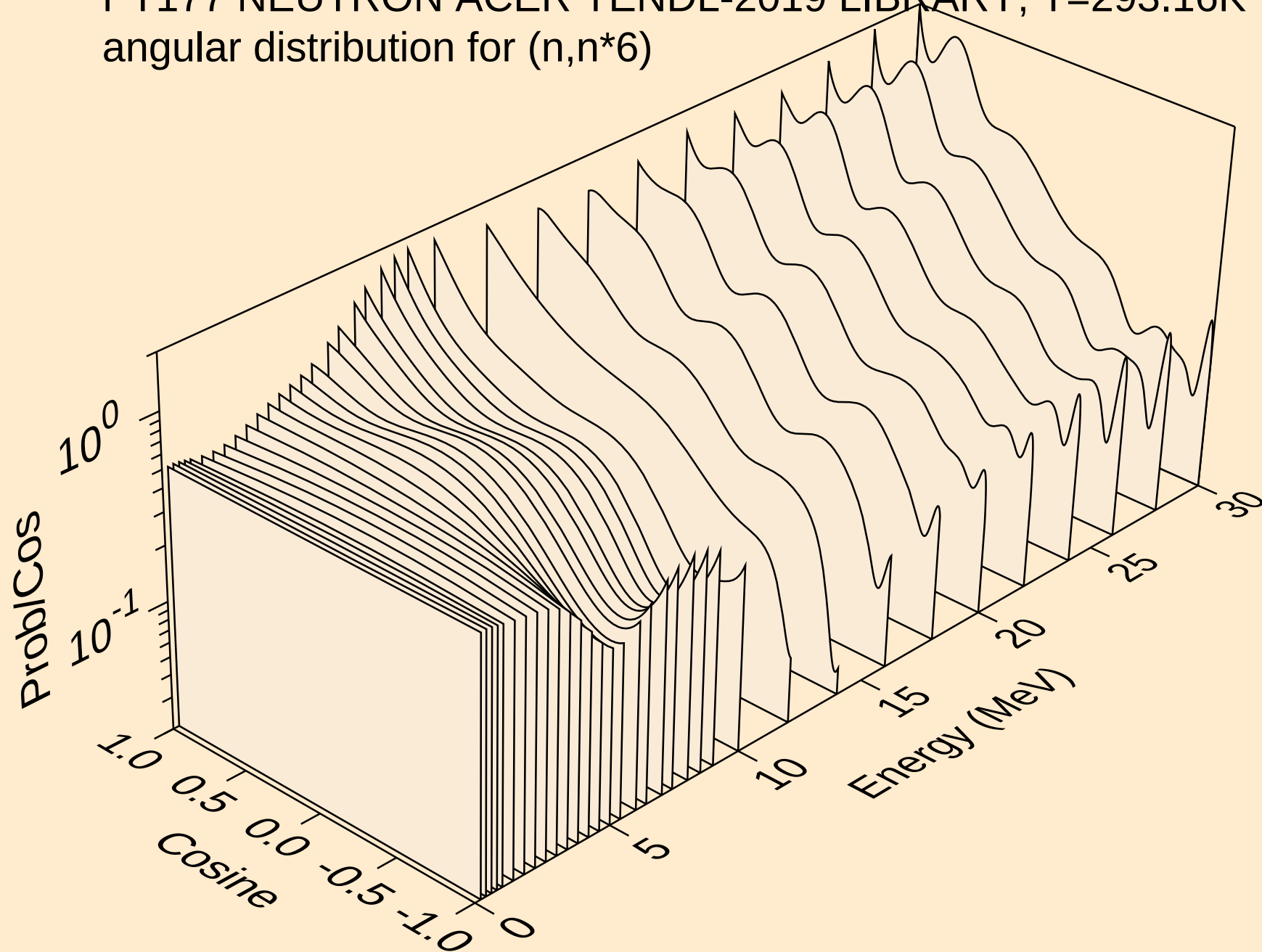
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angular distribution for (n,n*4)



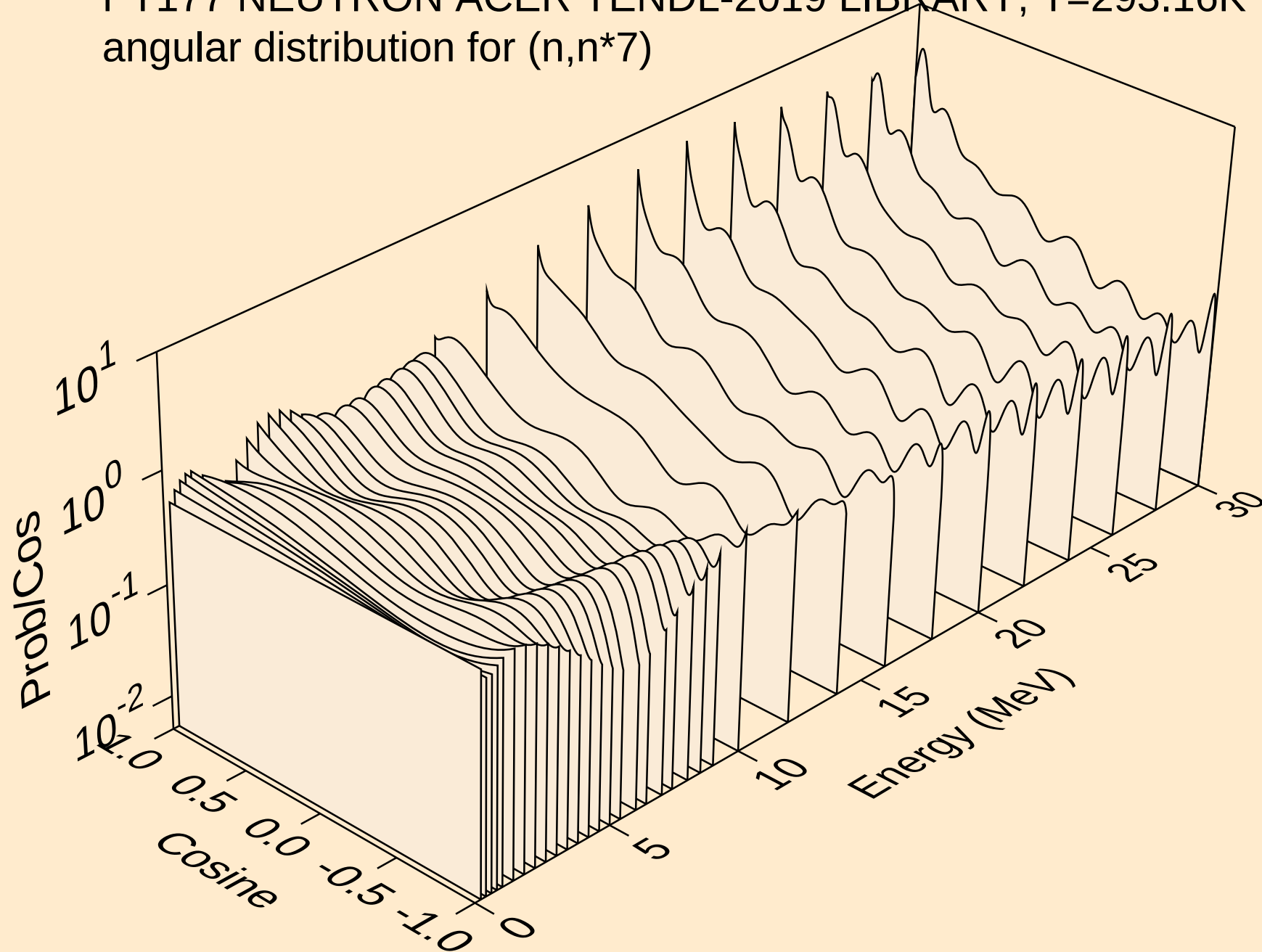
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angular distribution for (n,n*5)



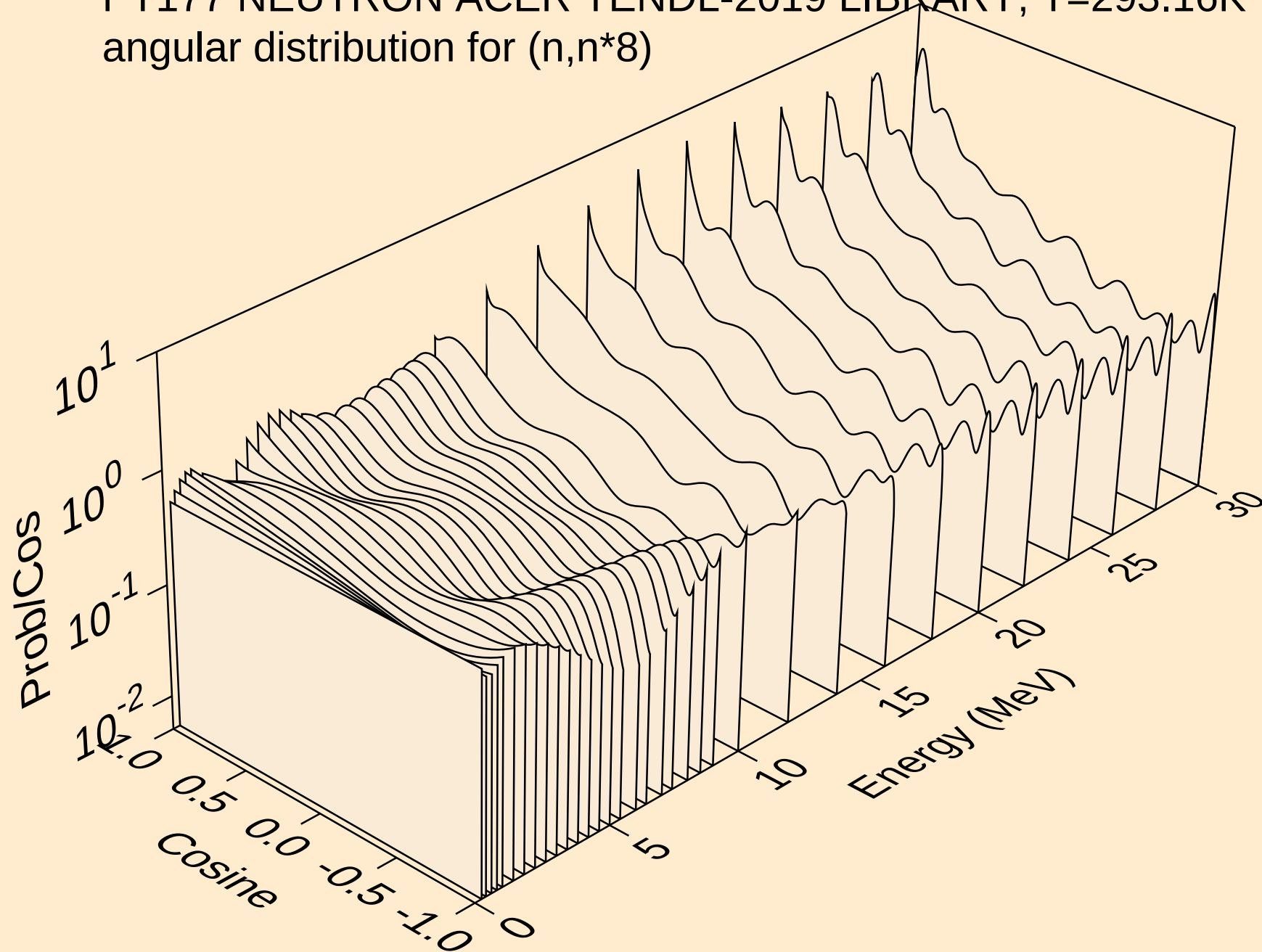
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angular distribution for (n,n*6)



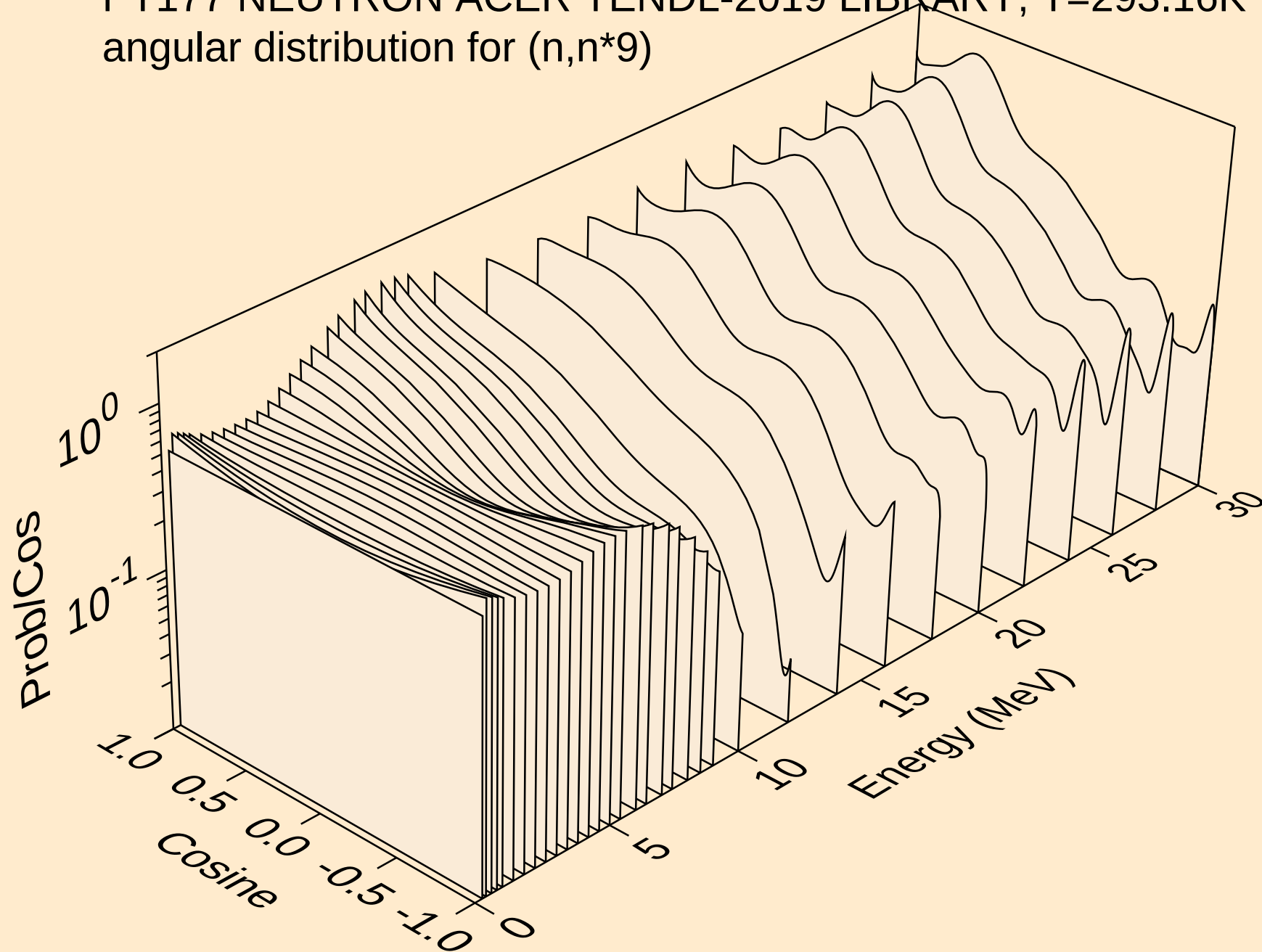
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angular distribution for (n,n*7)



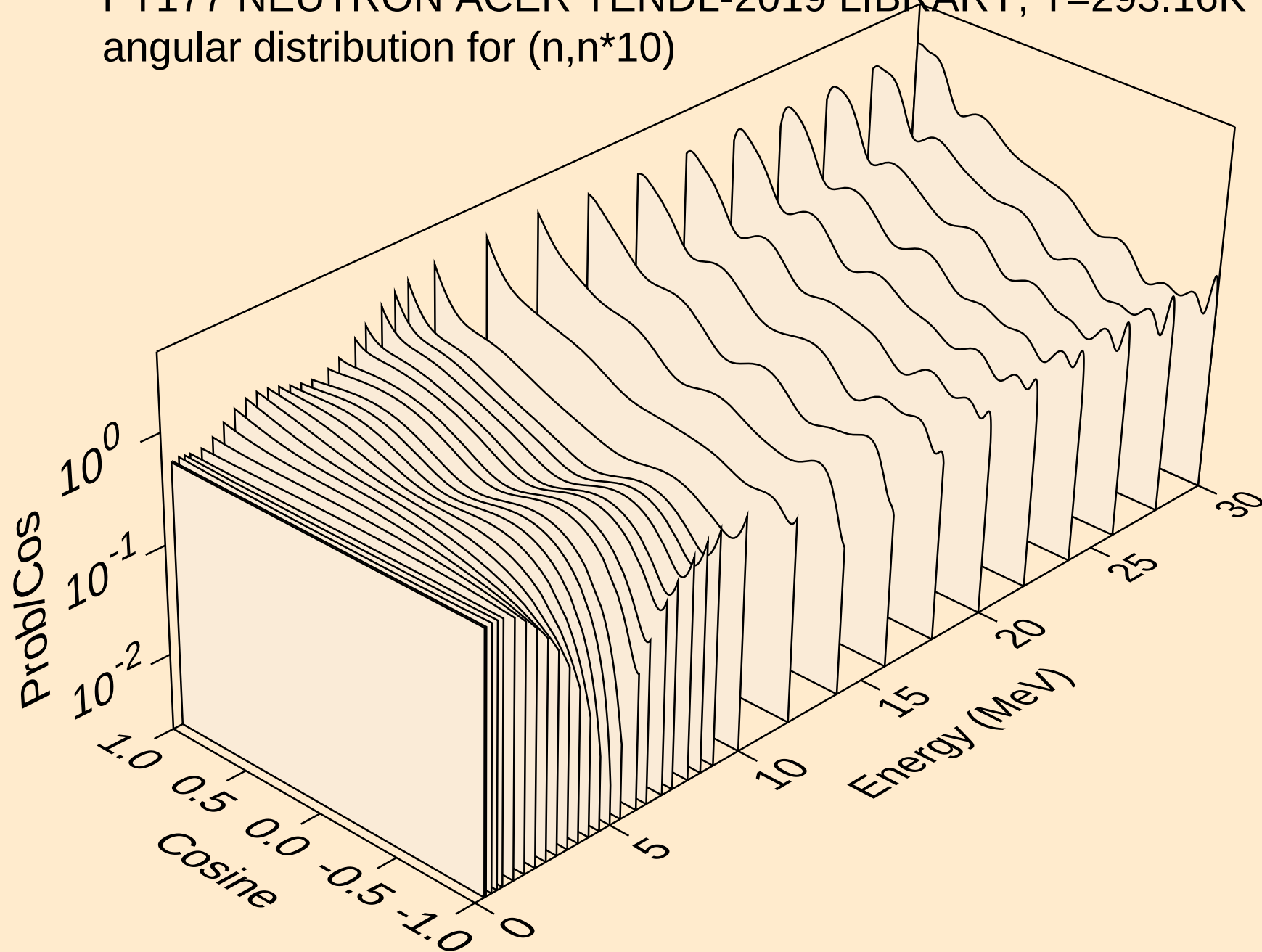
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angular distribution for (n,n*8)



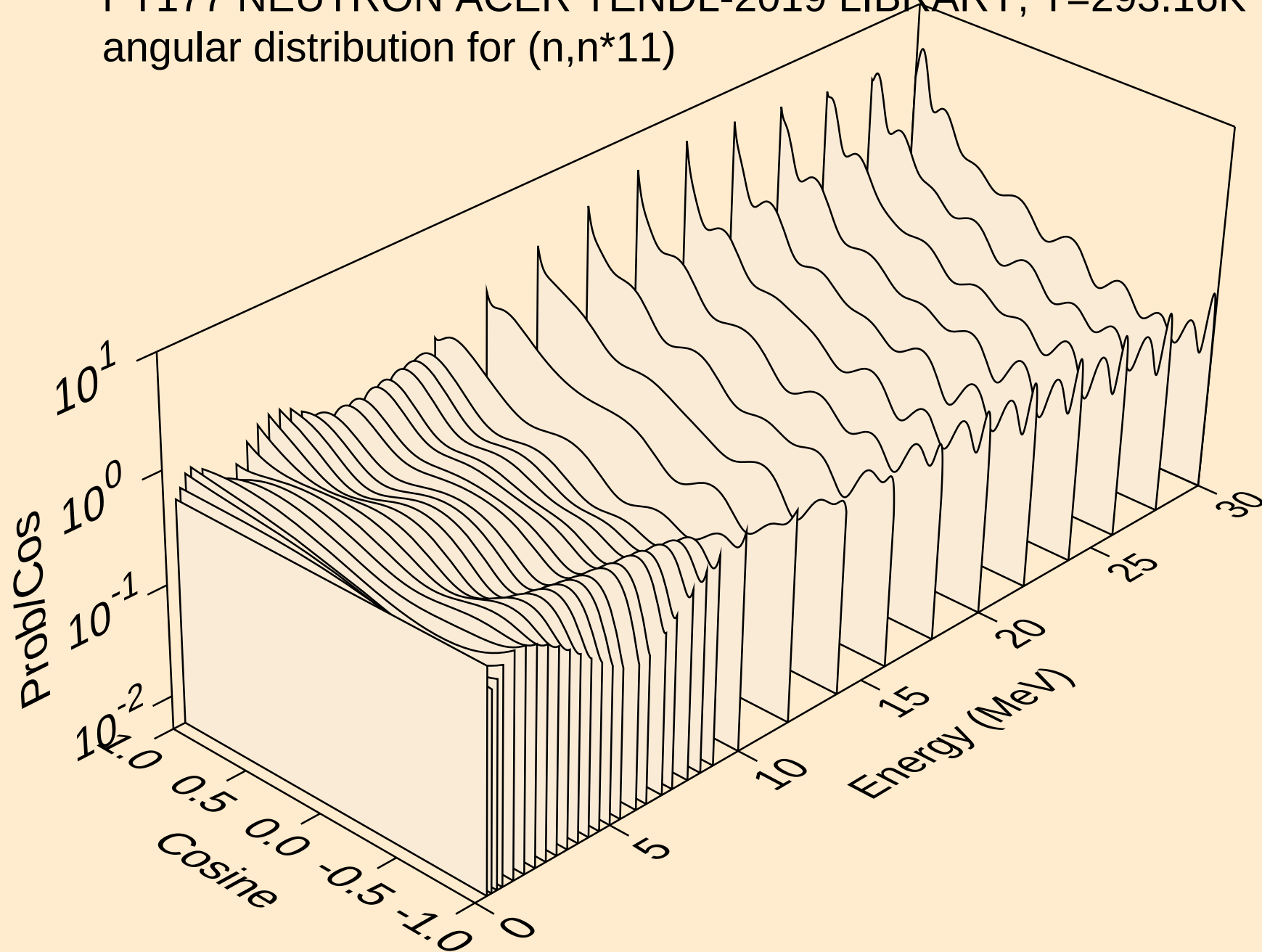
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angular distribution for (n,n*9)



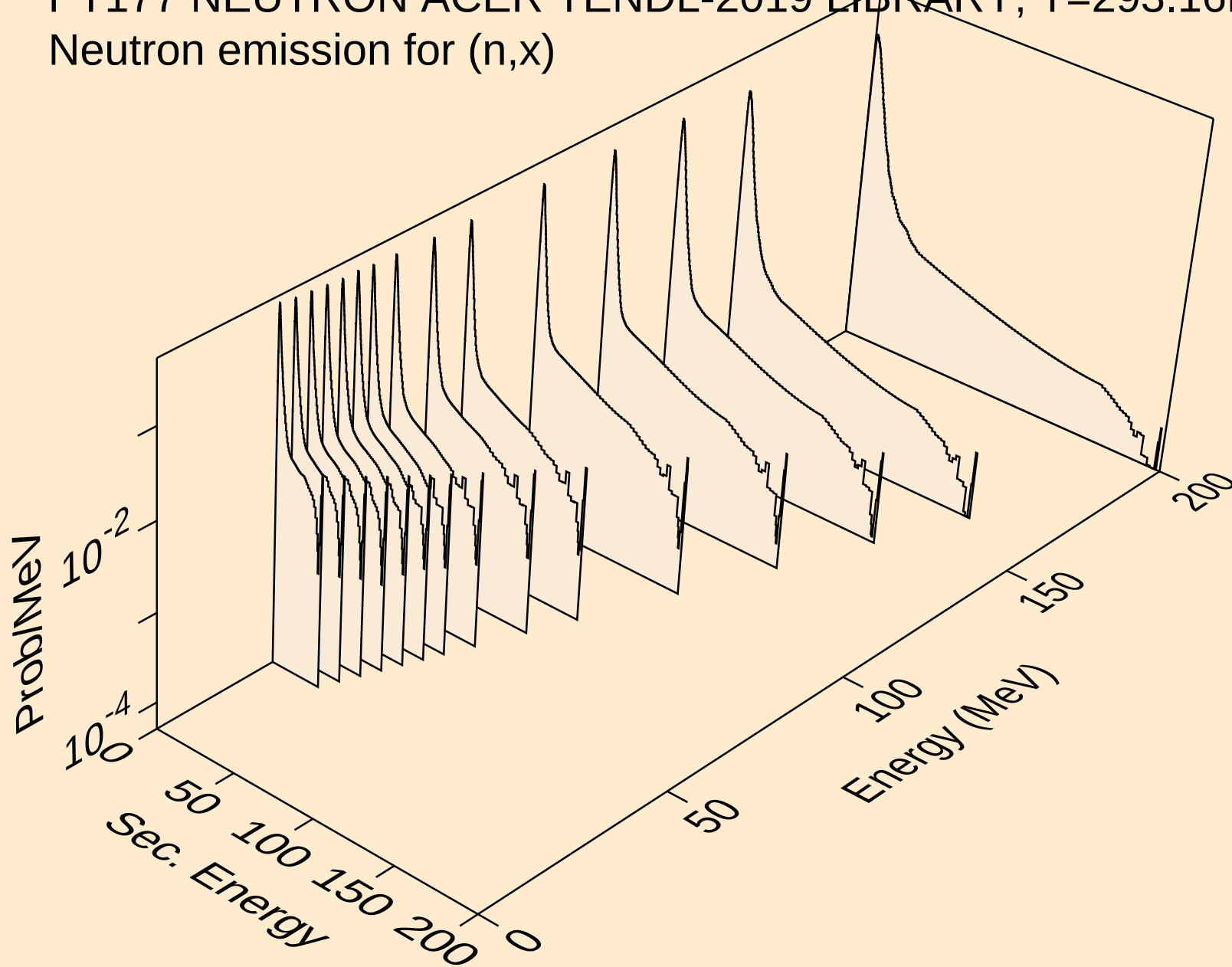
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angular distribution for (n,n*10)



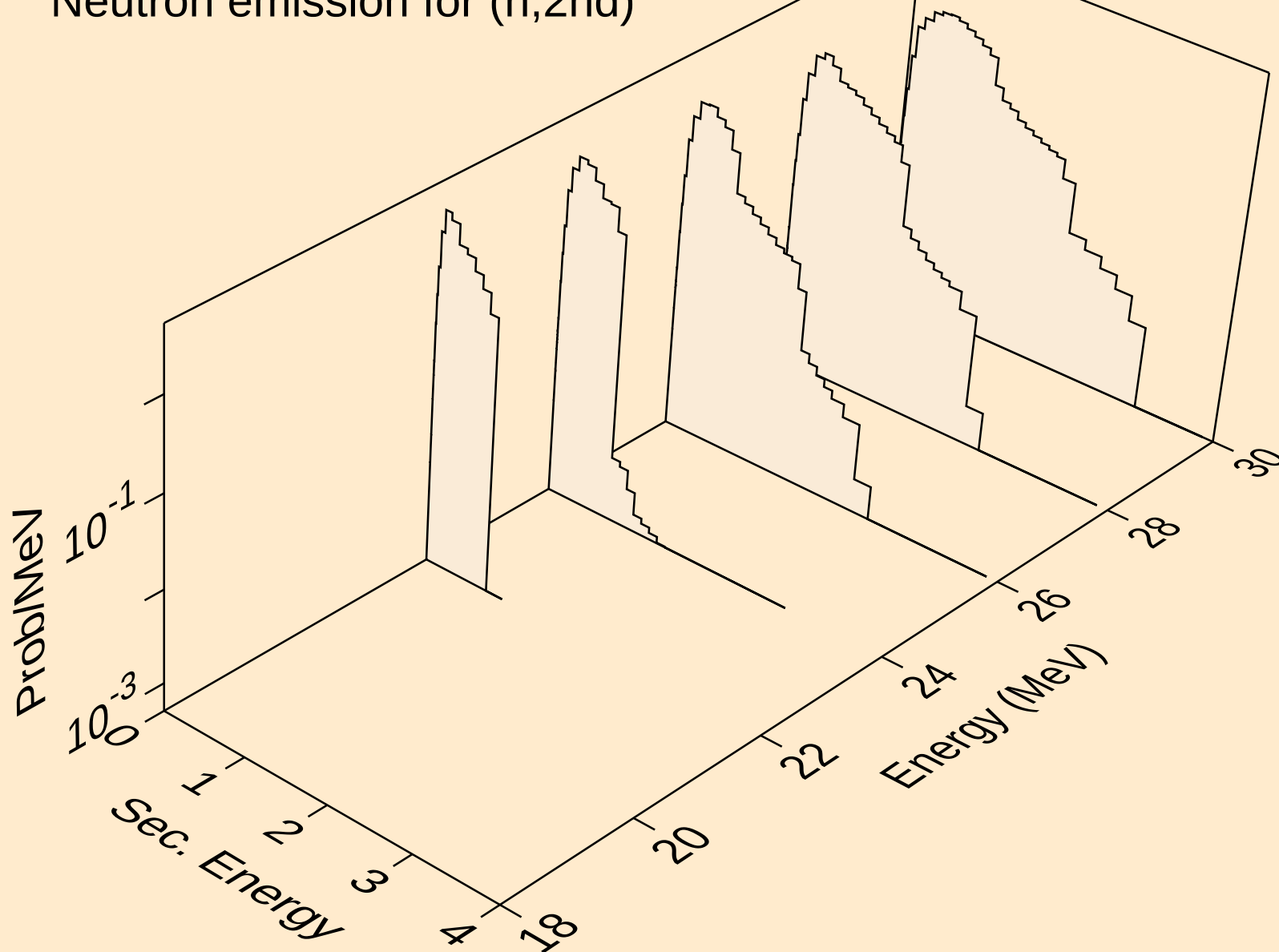
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angular distribution for (n,n*11)



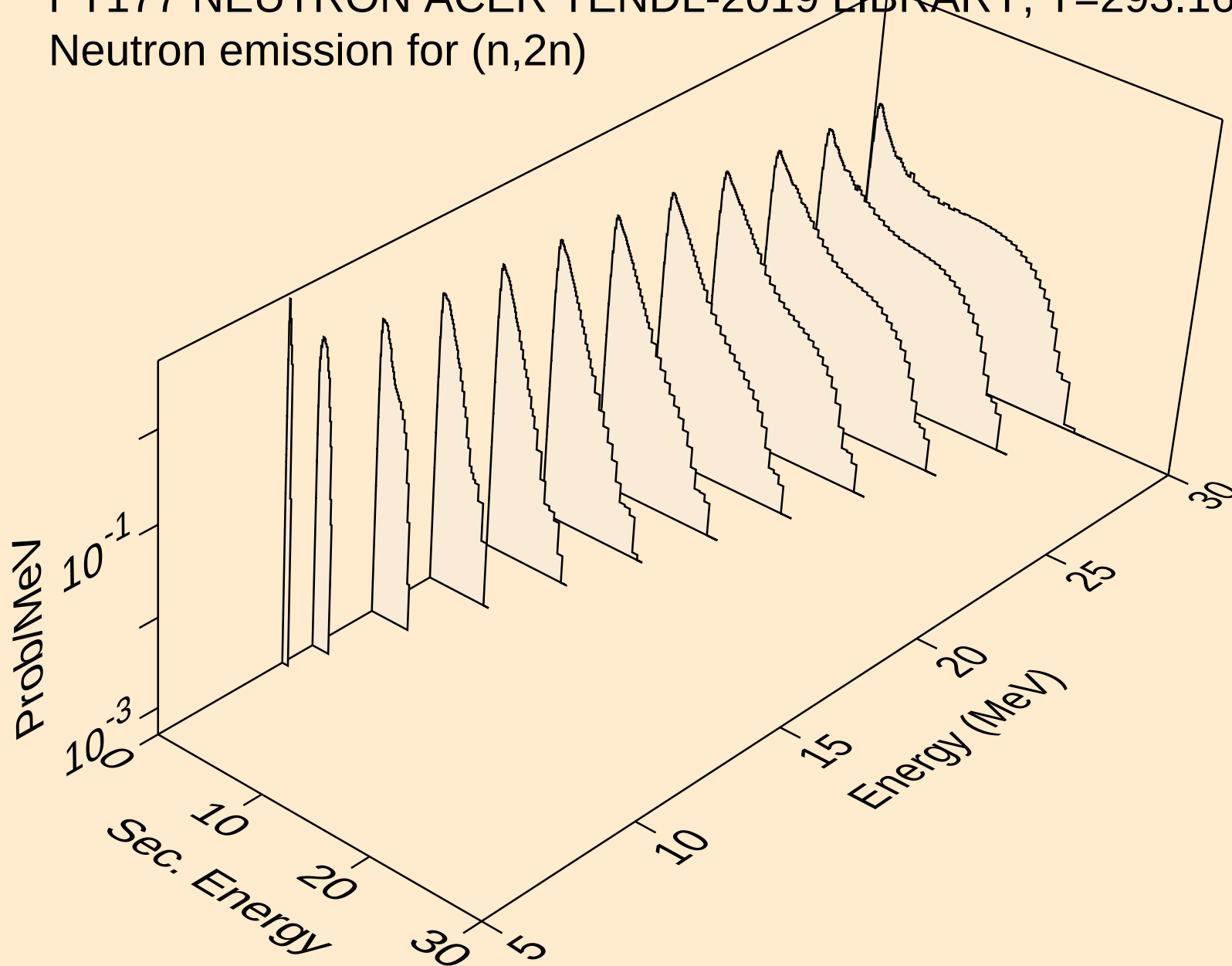
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



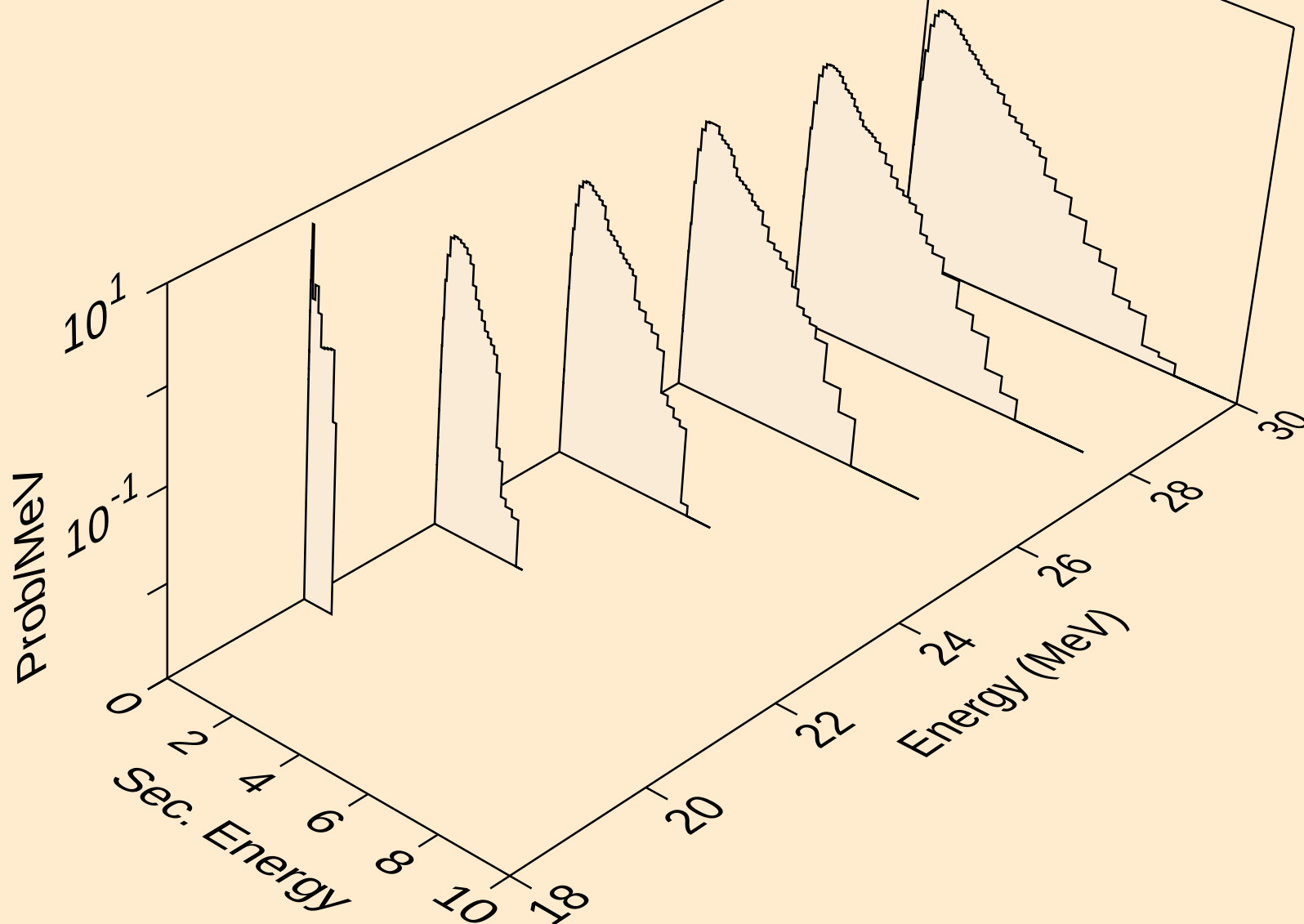
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



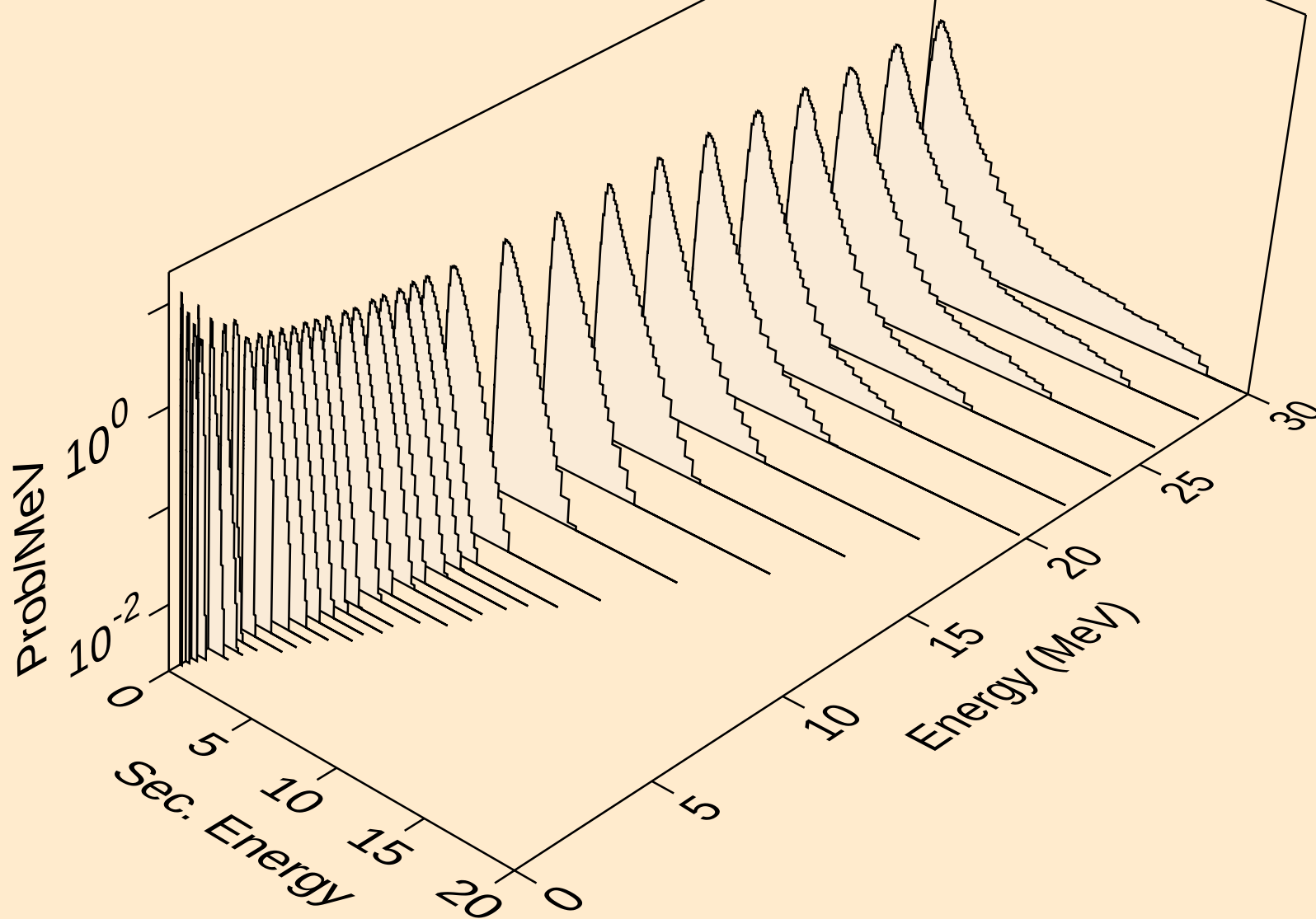
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



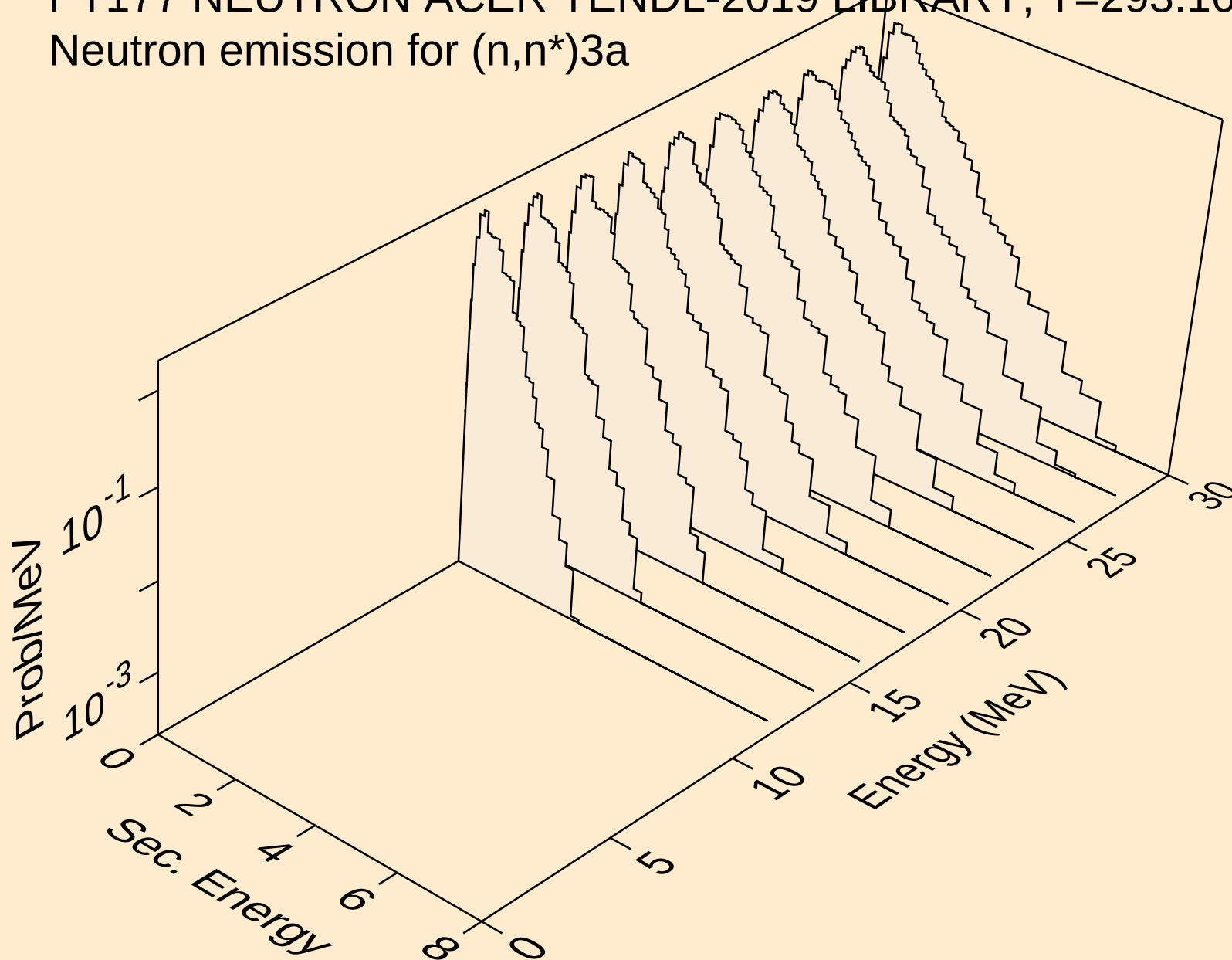
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



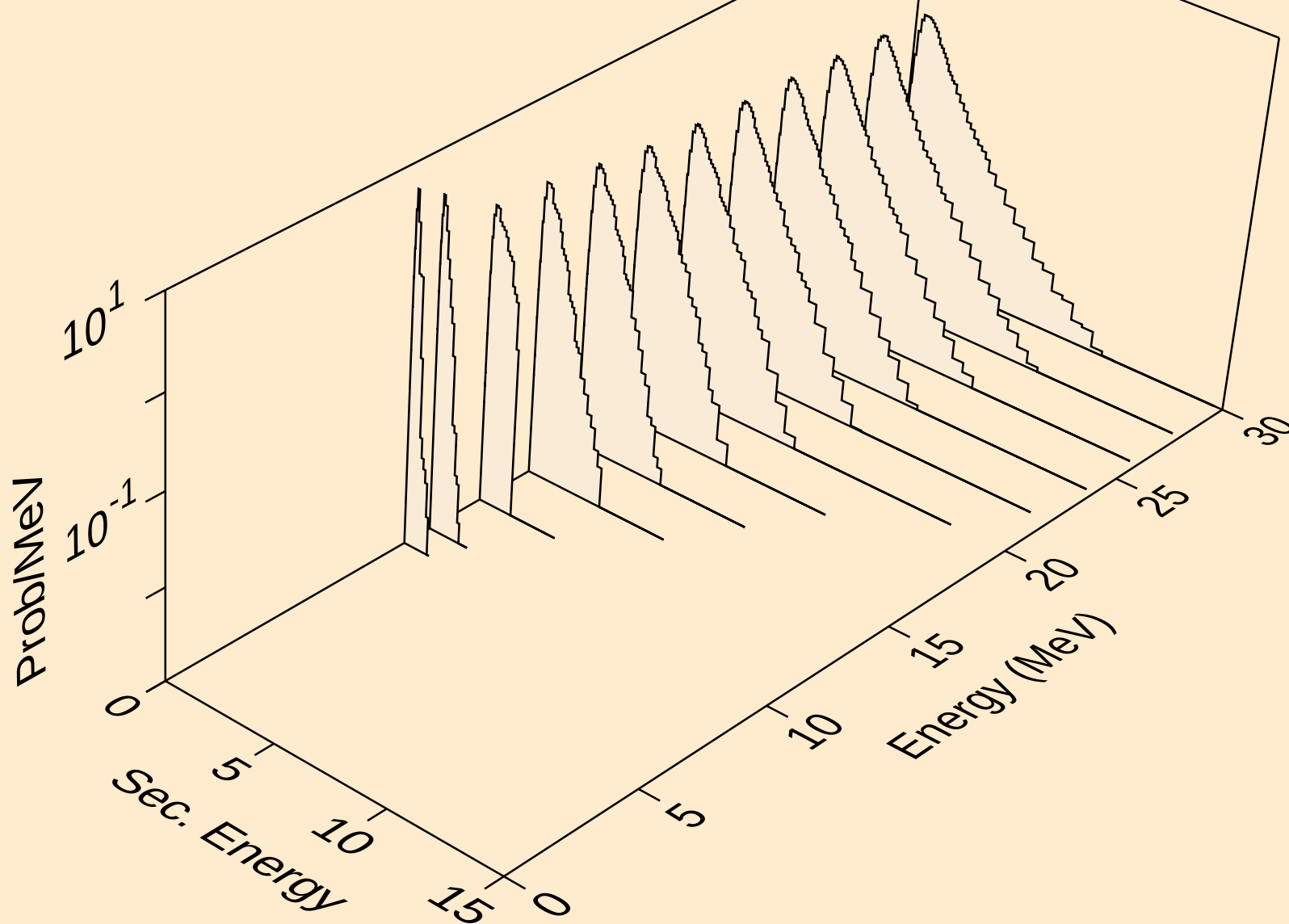
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Neutron emission for (n,n*)a



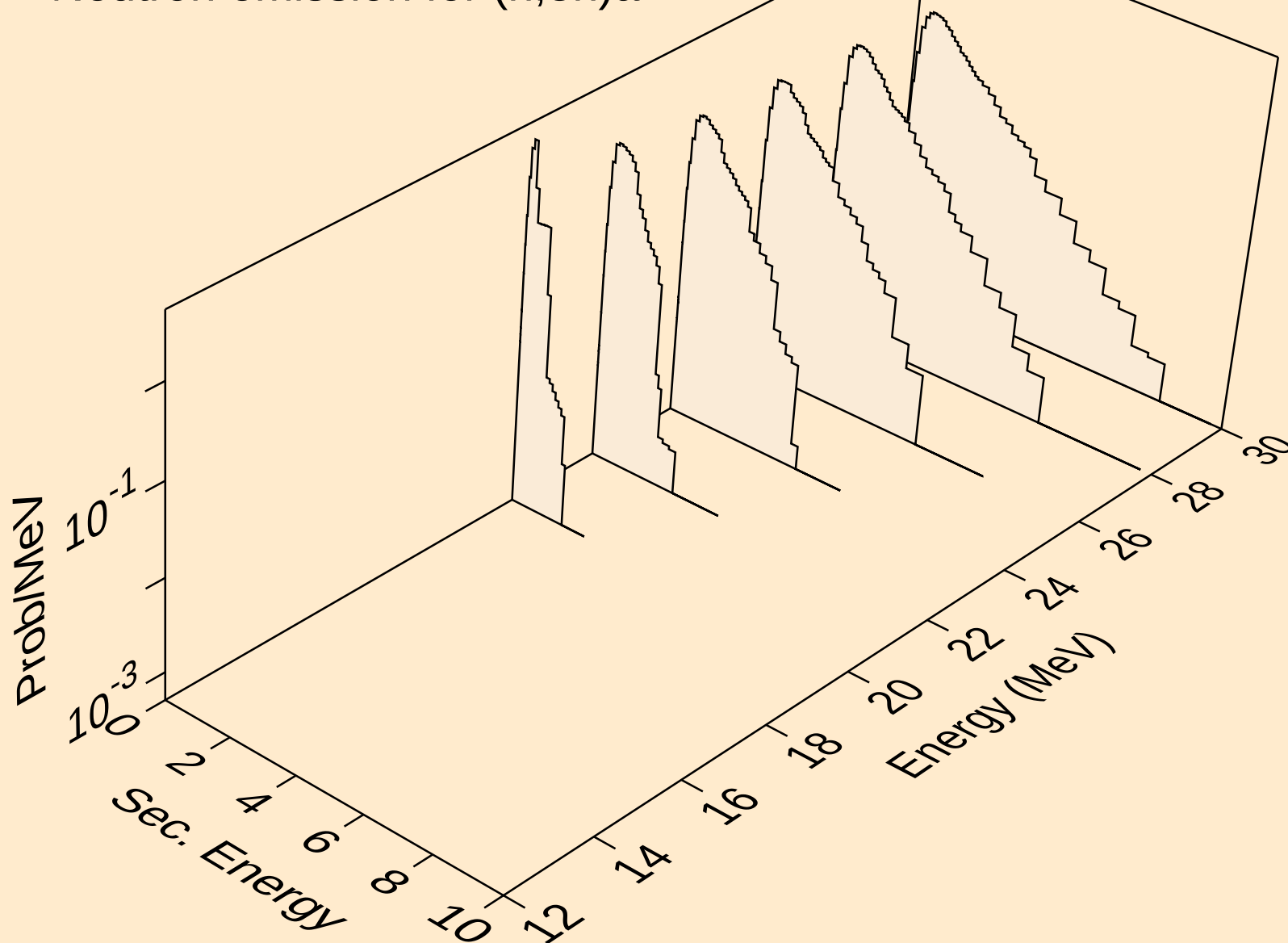
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)3a



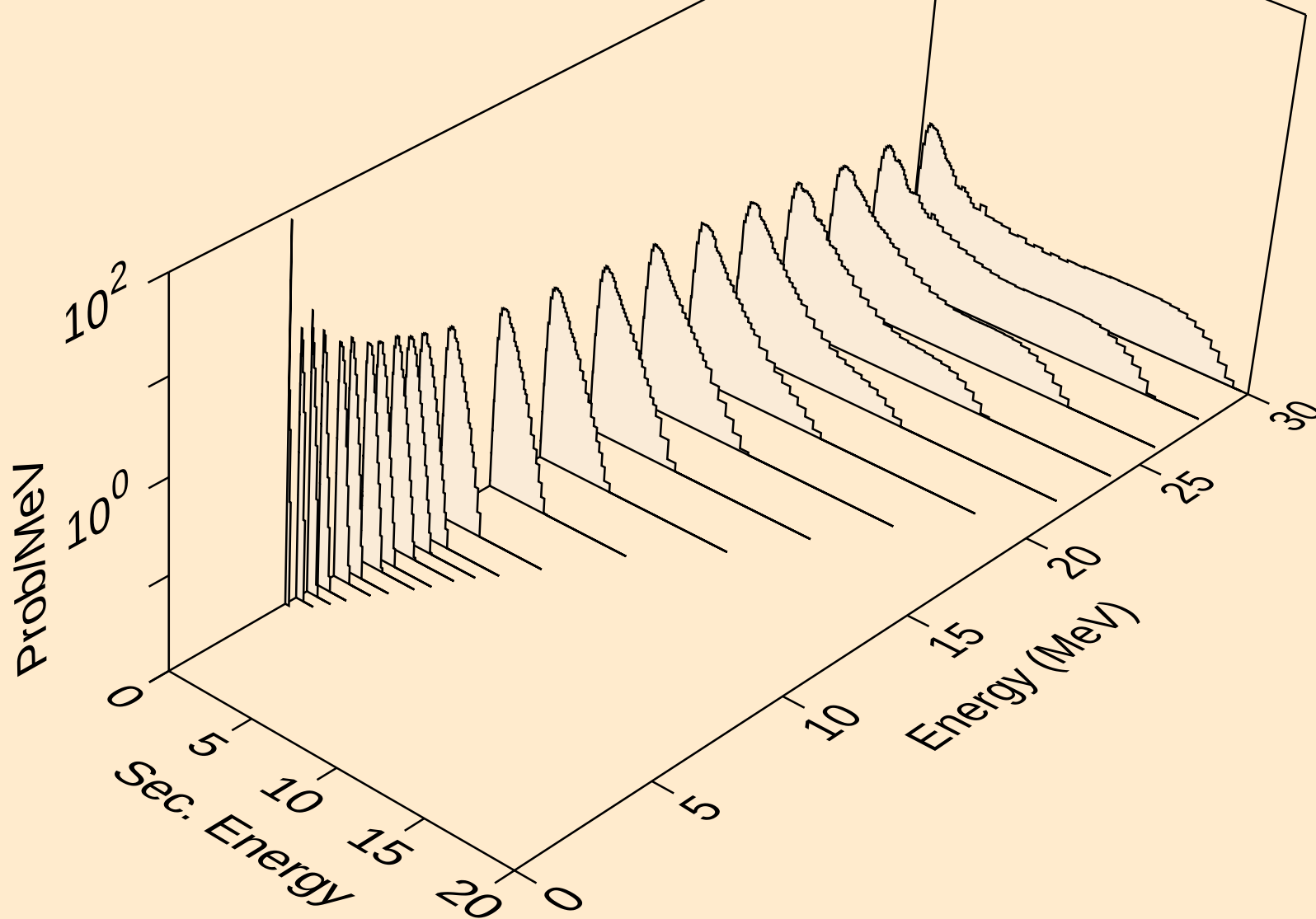
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Neutron emission for (n,2n)_a



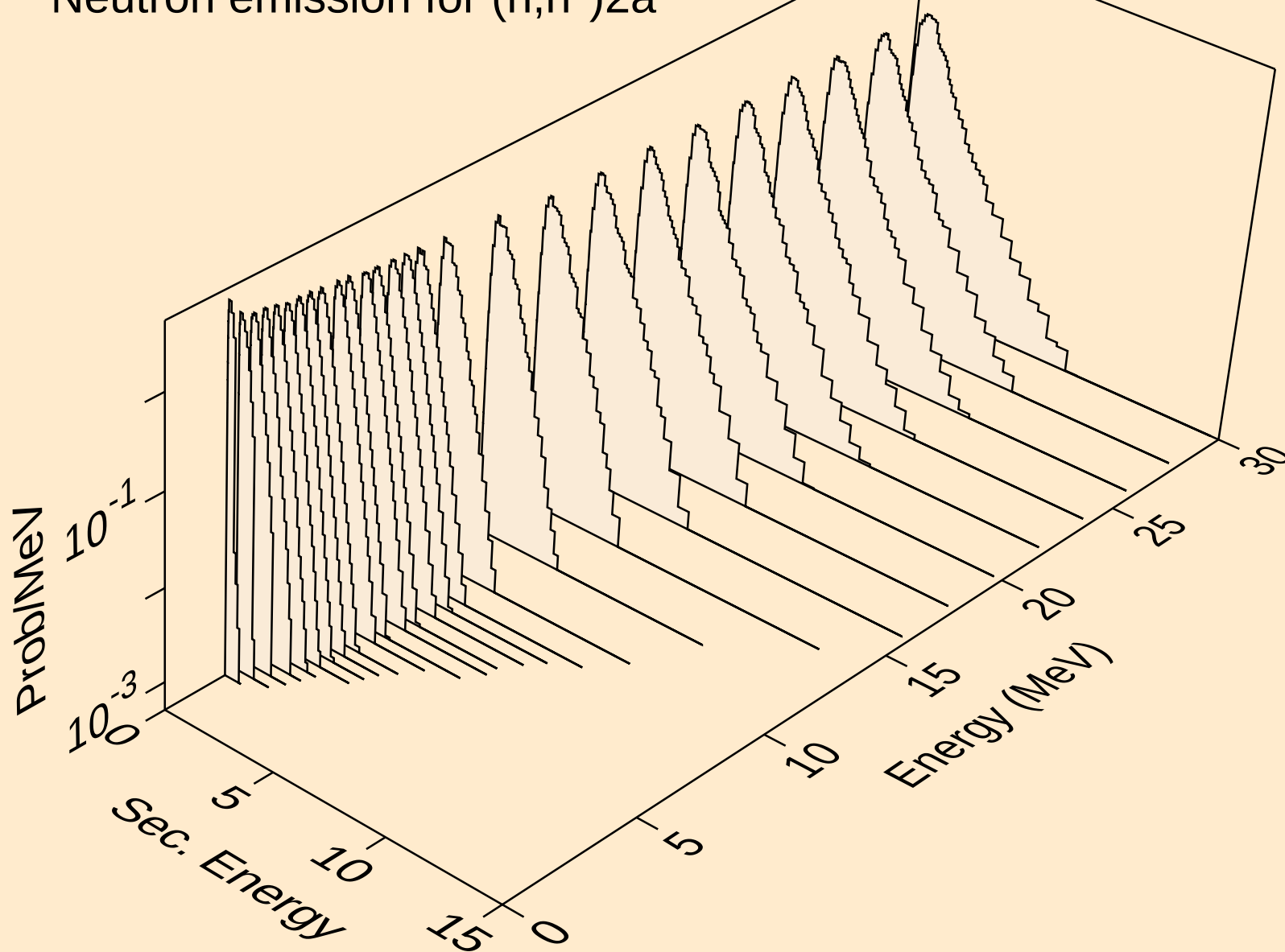
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



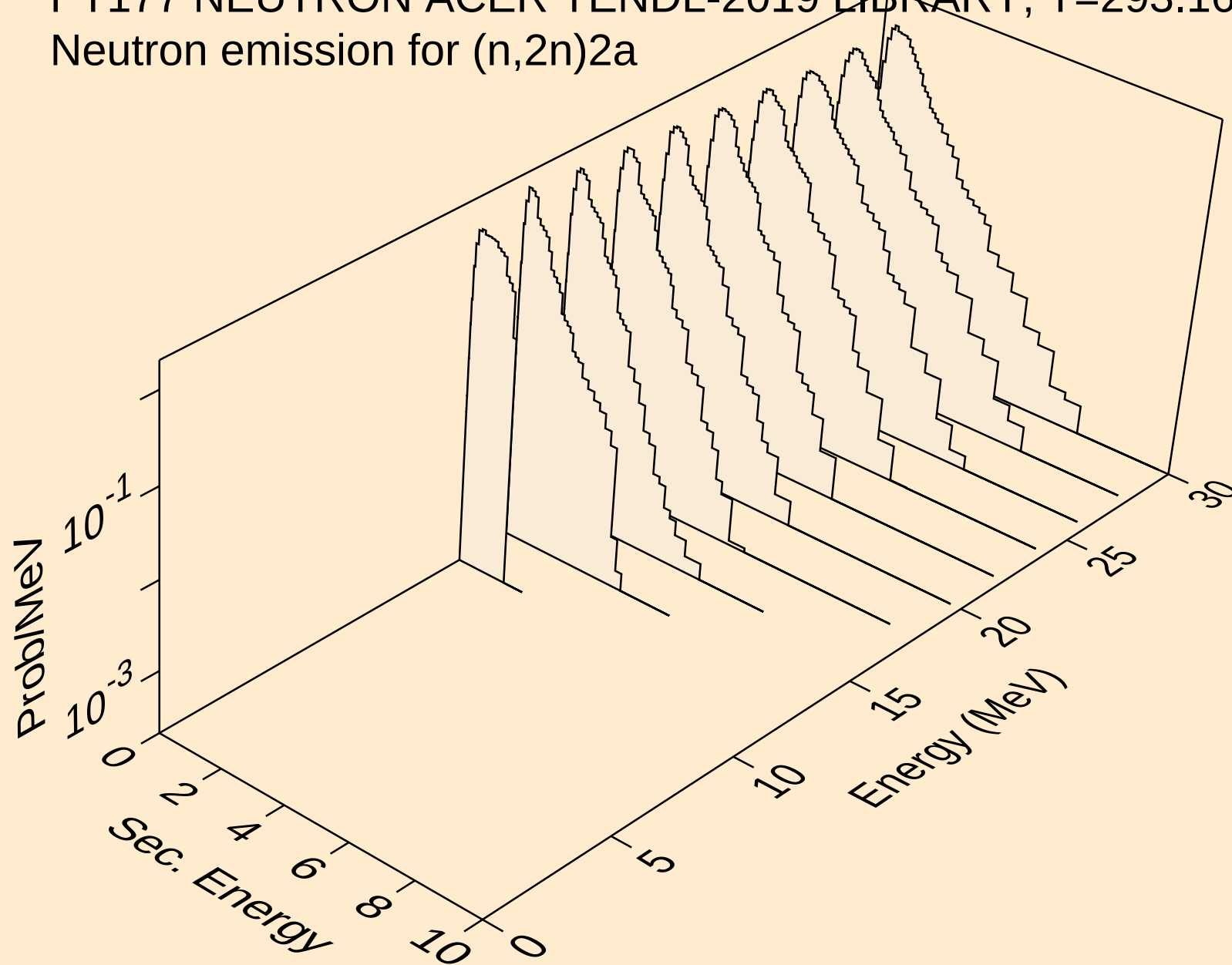
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



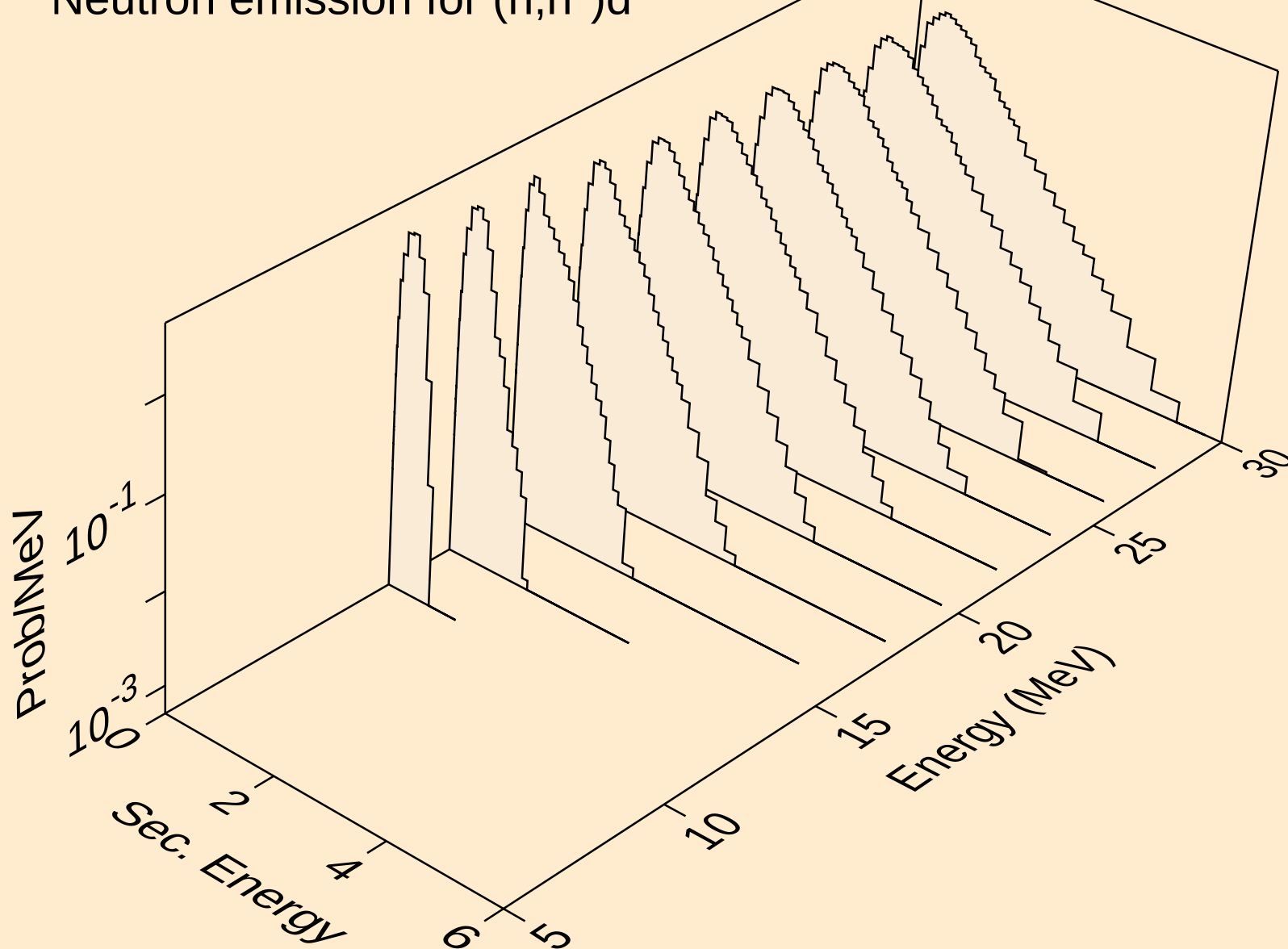
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Neutron emission for (n,n*)2a



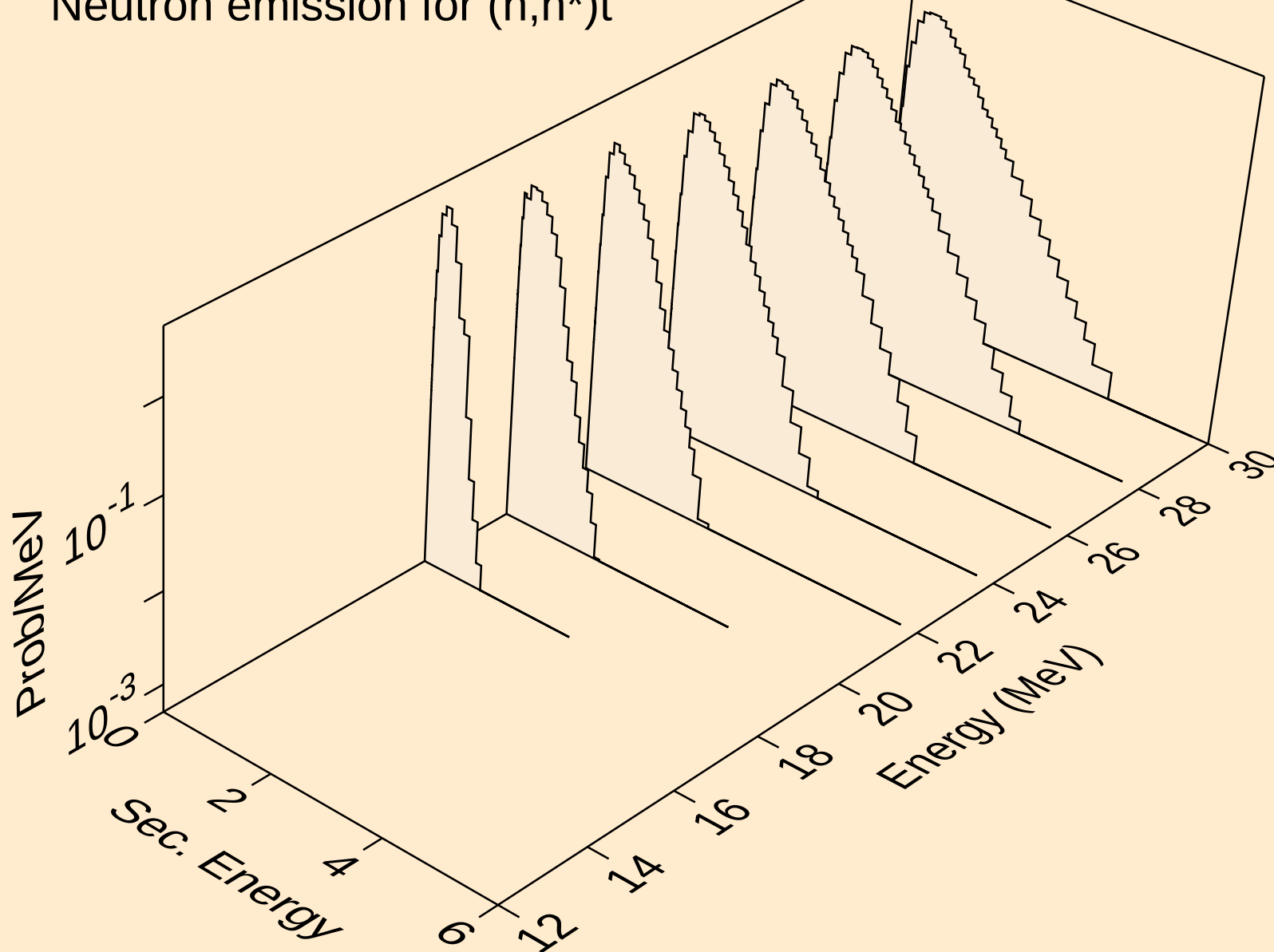
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Neutron emission for (n,2n)2a



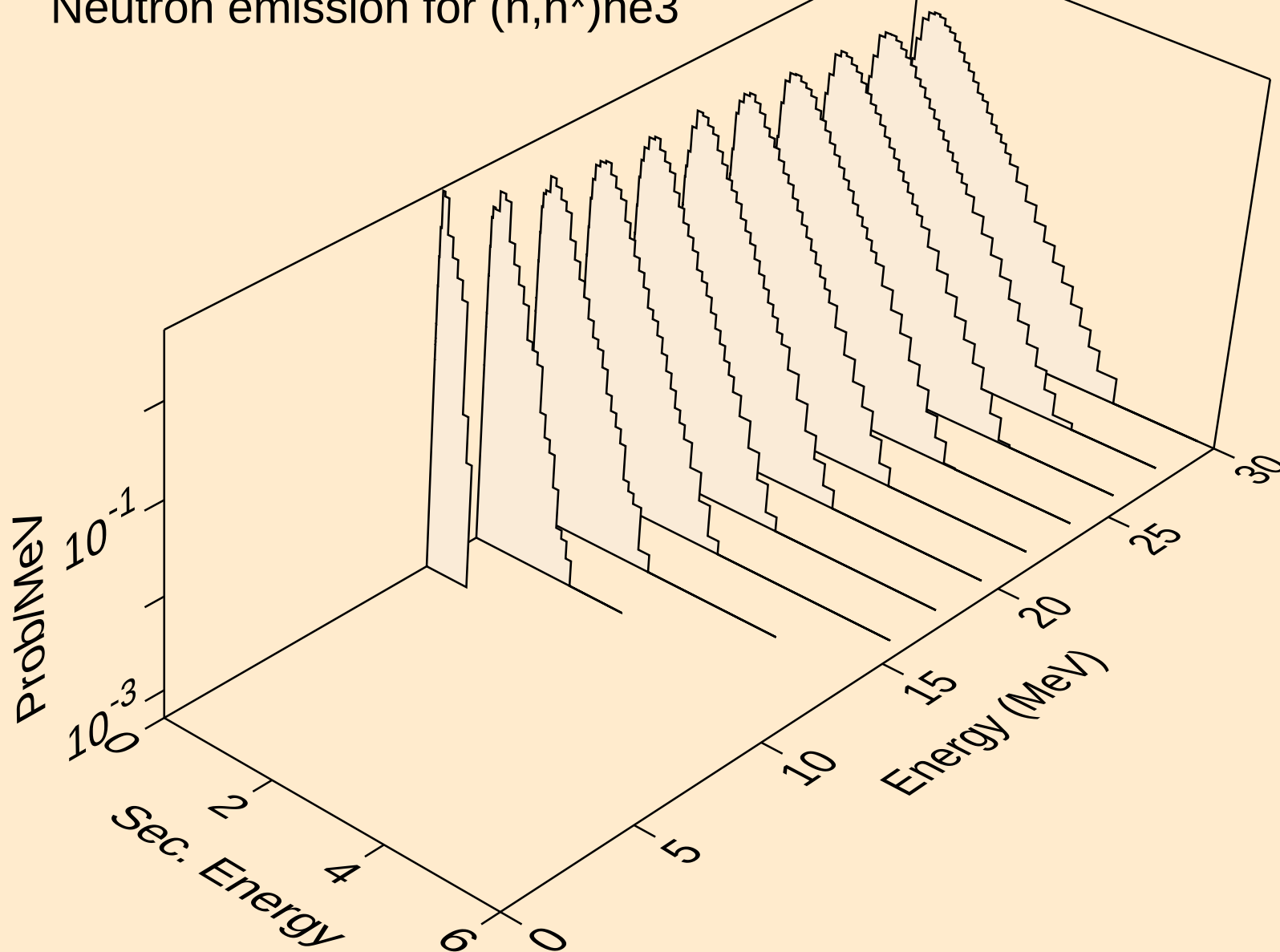
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



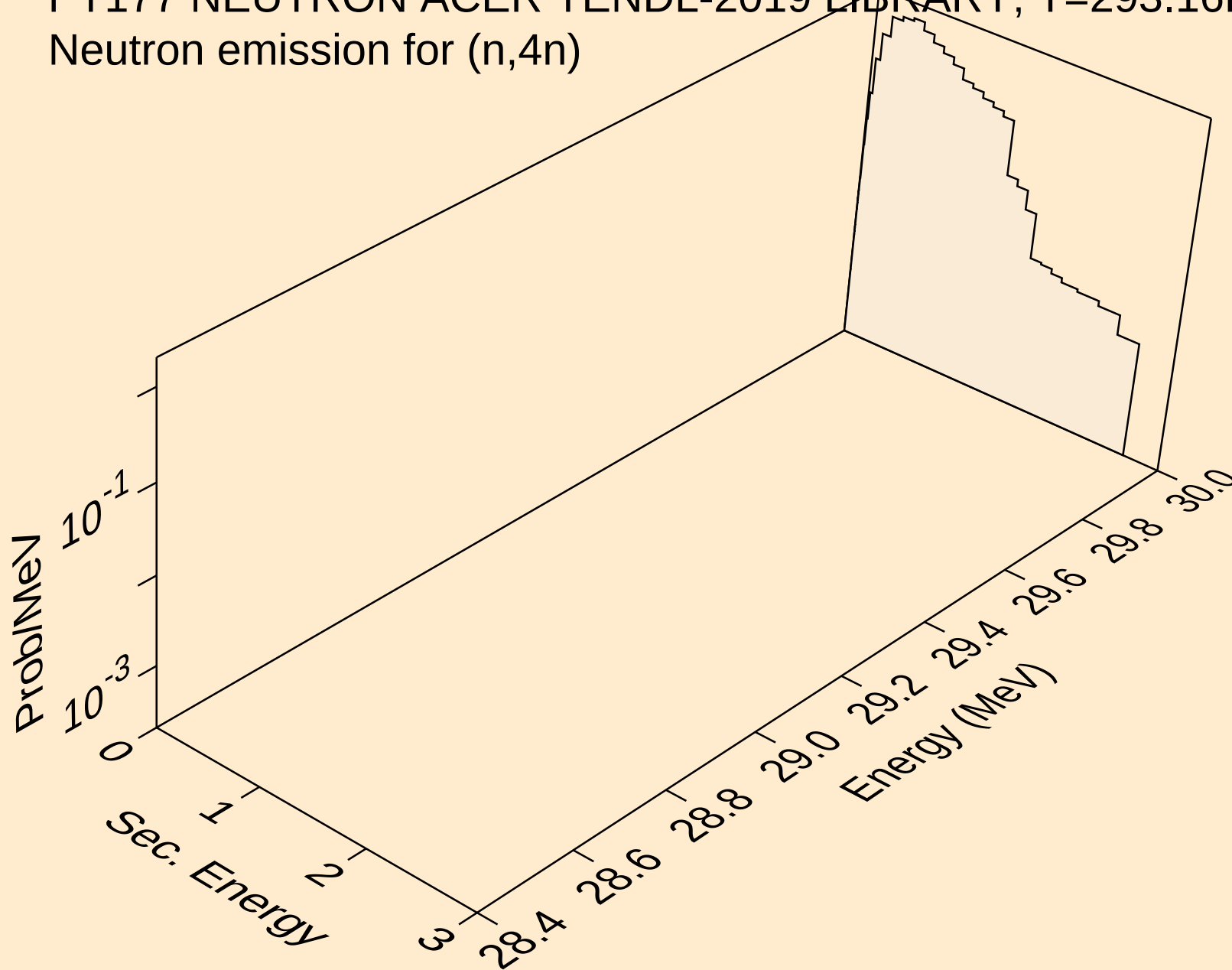
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



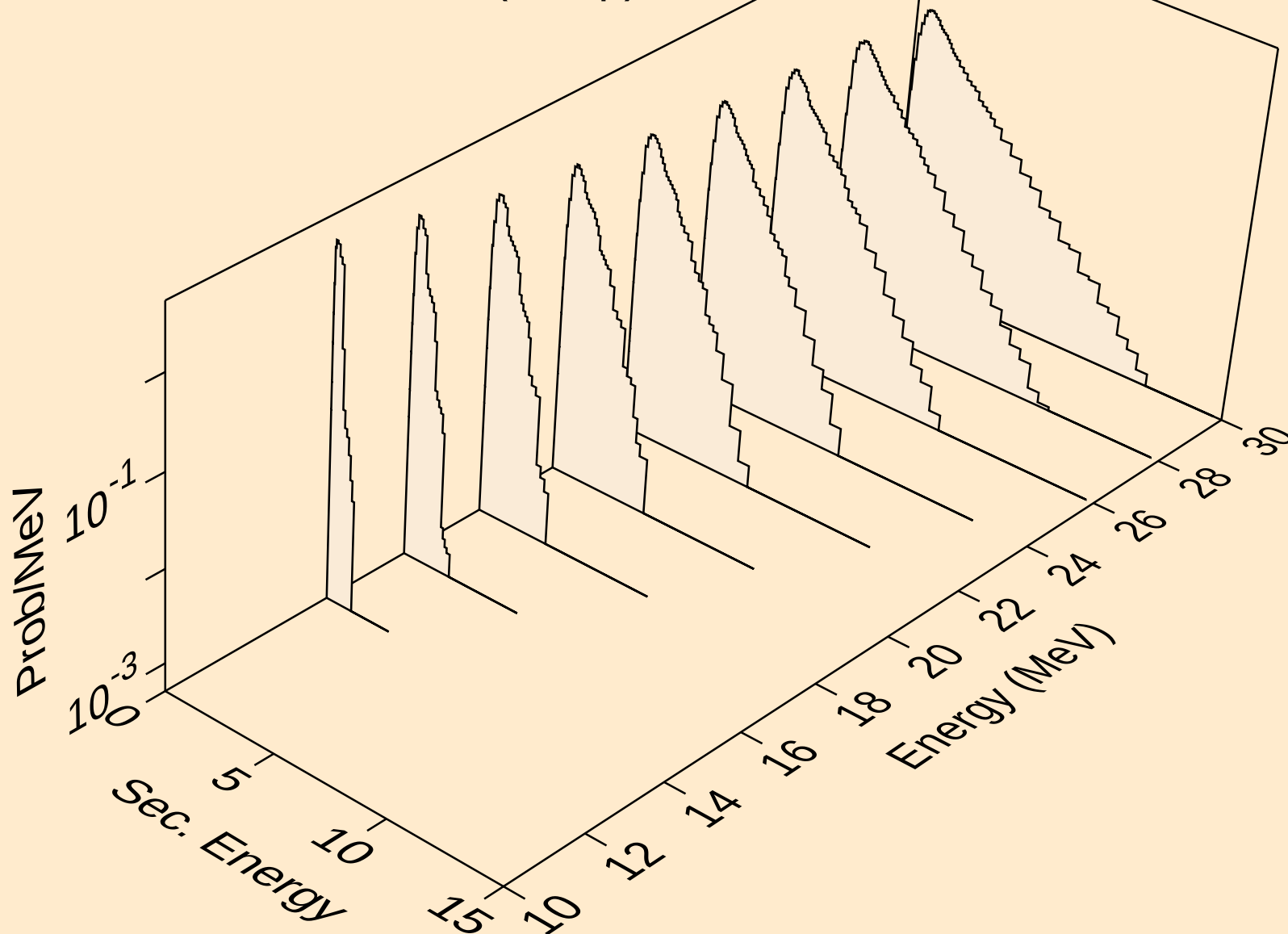
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



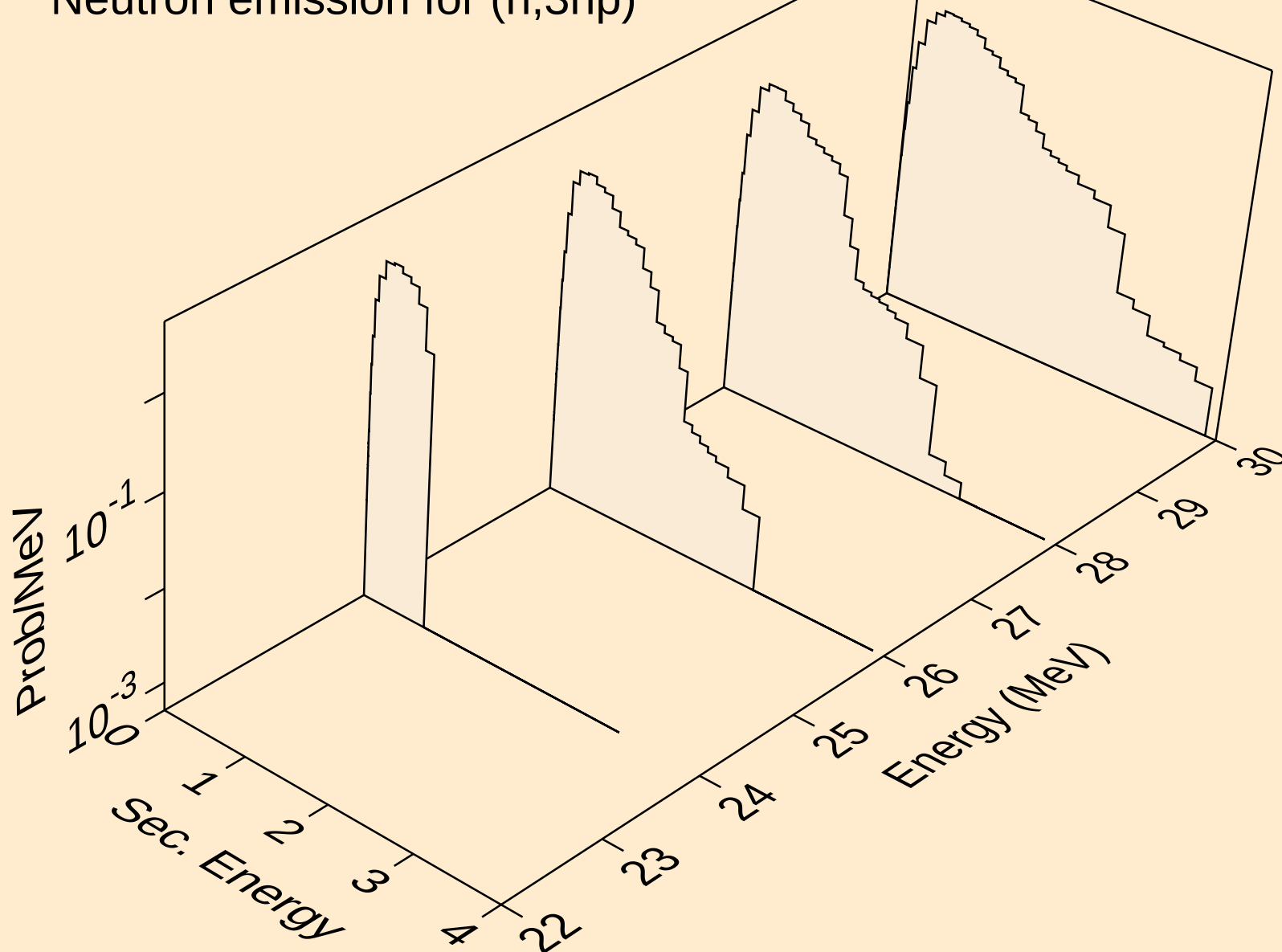
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



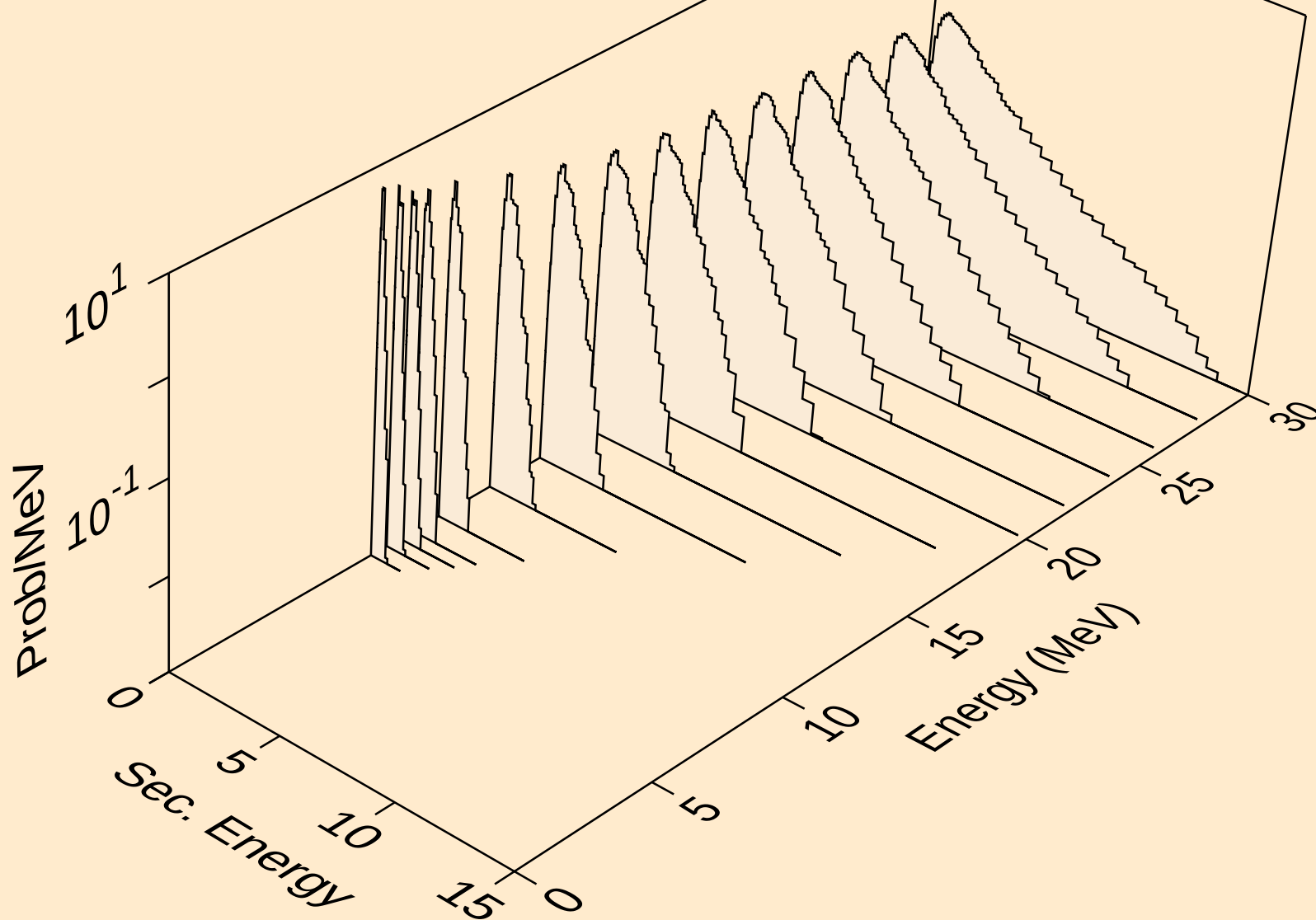
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



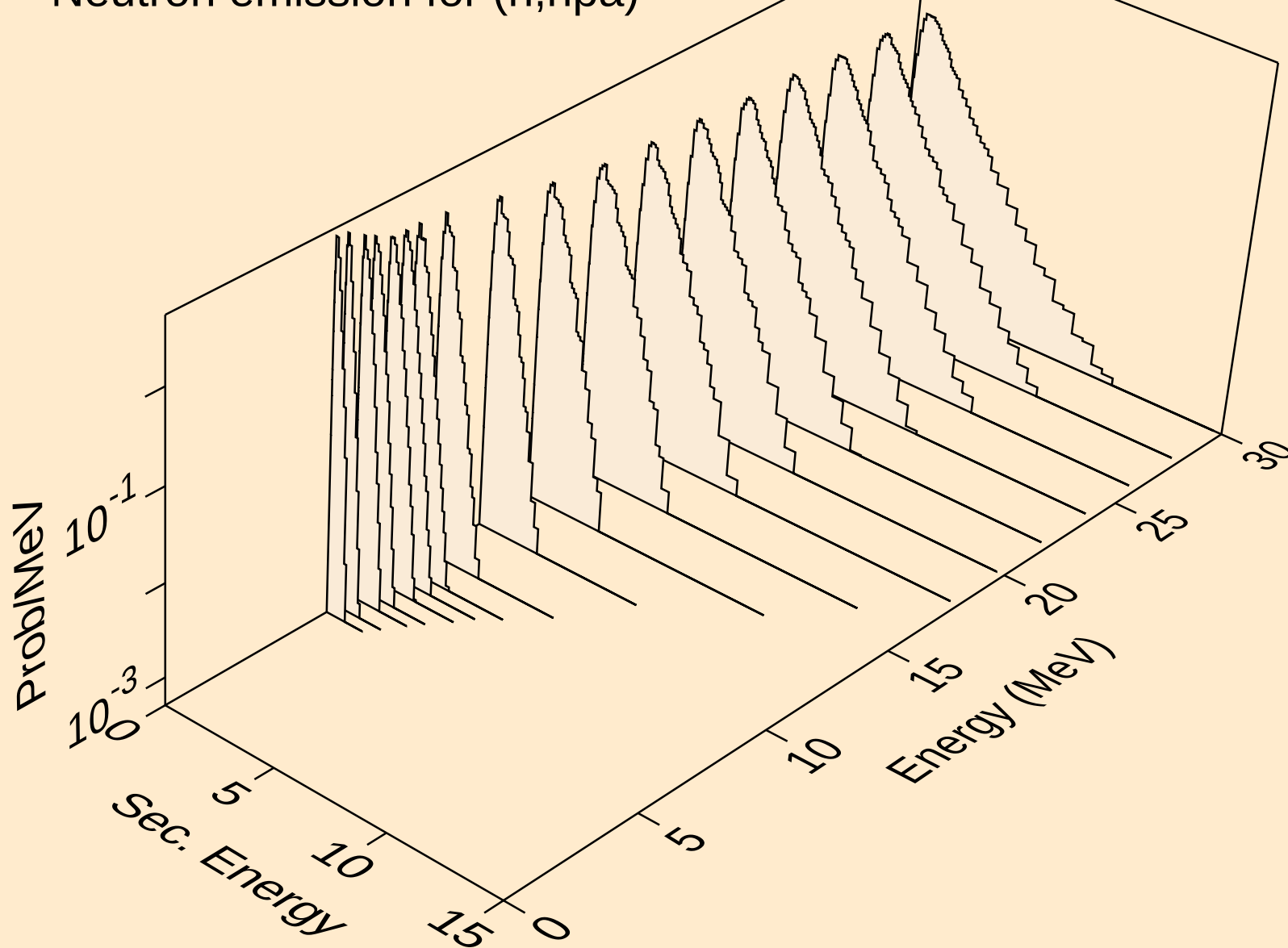
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



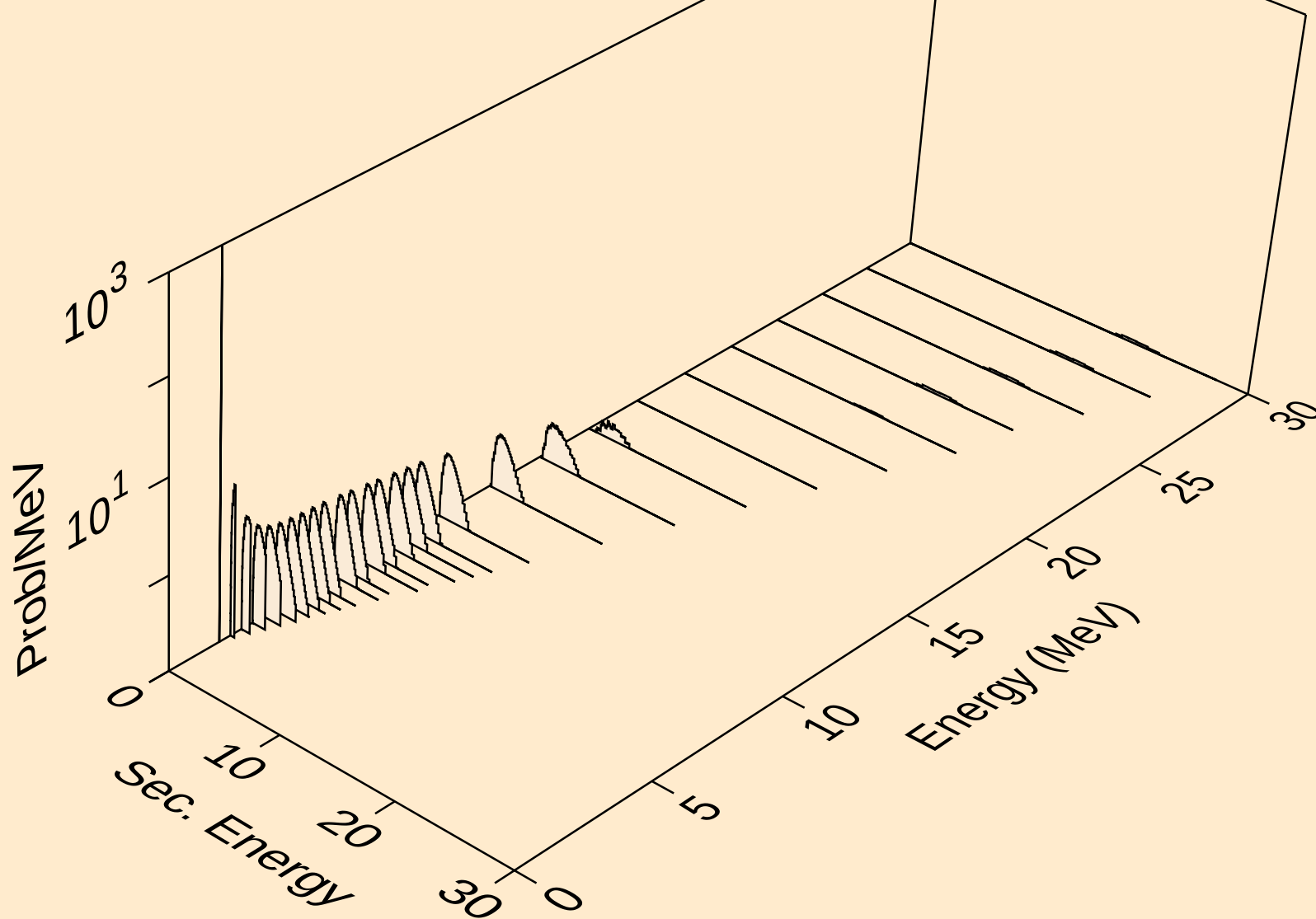
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



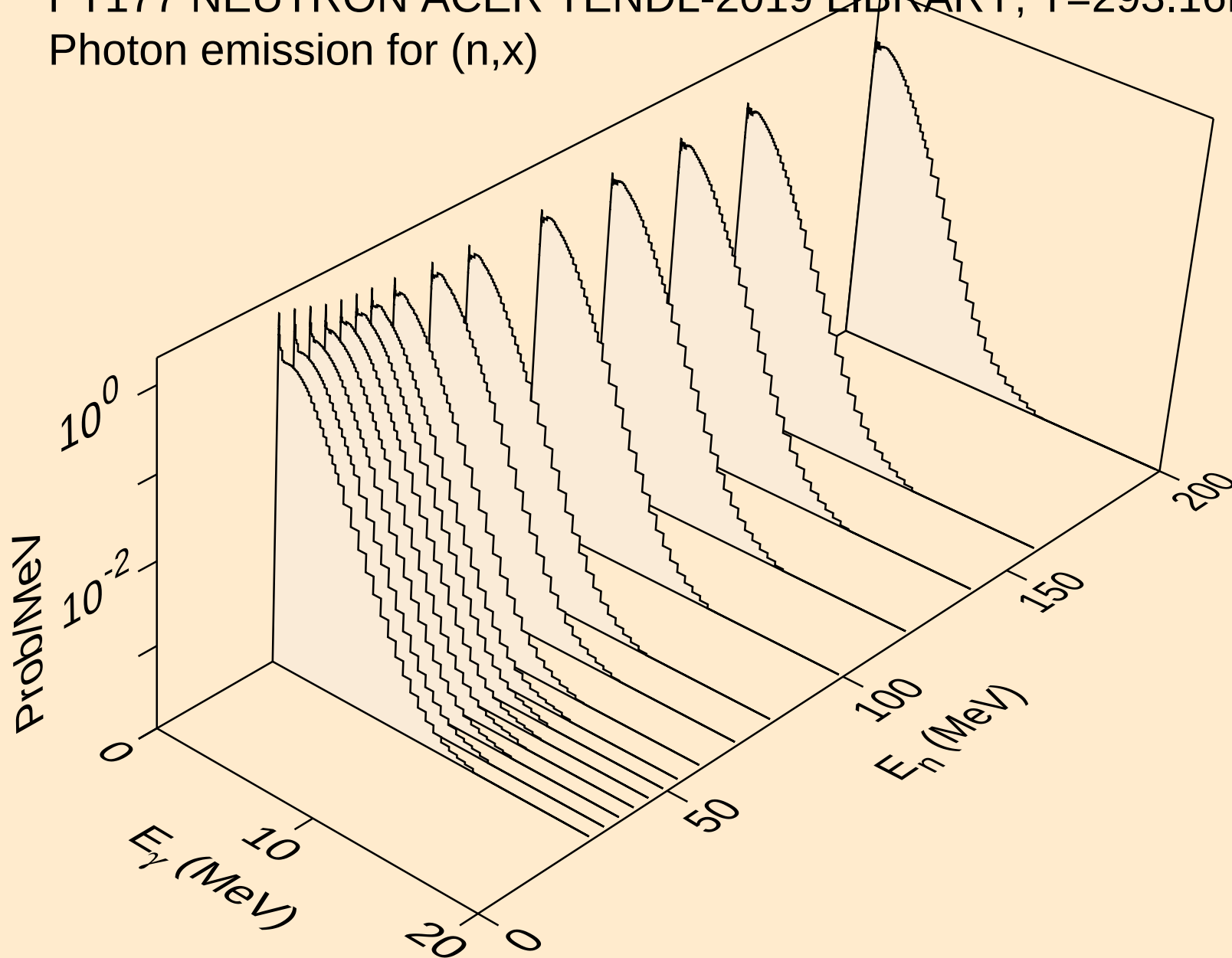
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Neutron emission for (n,npa)



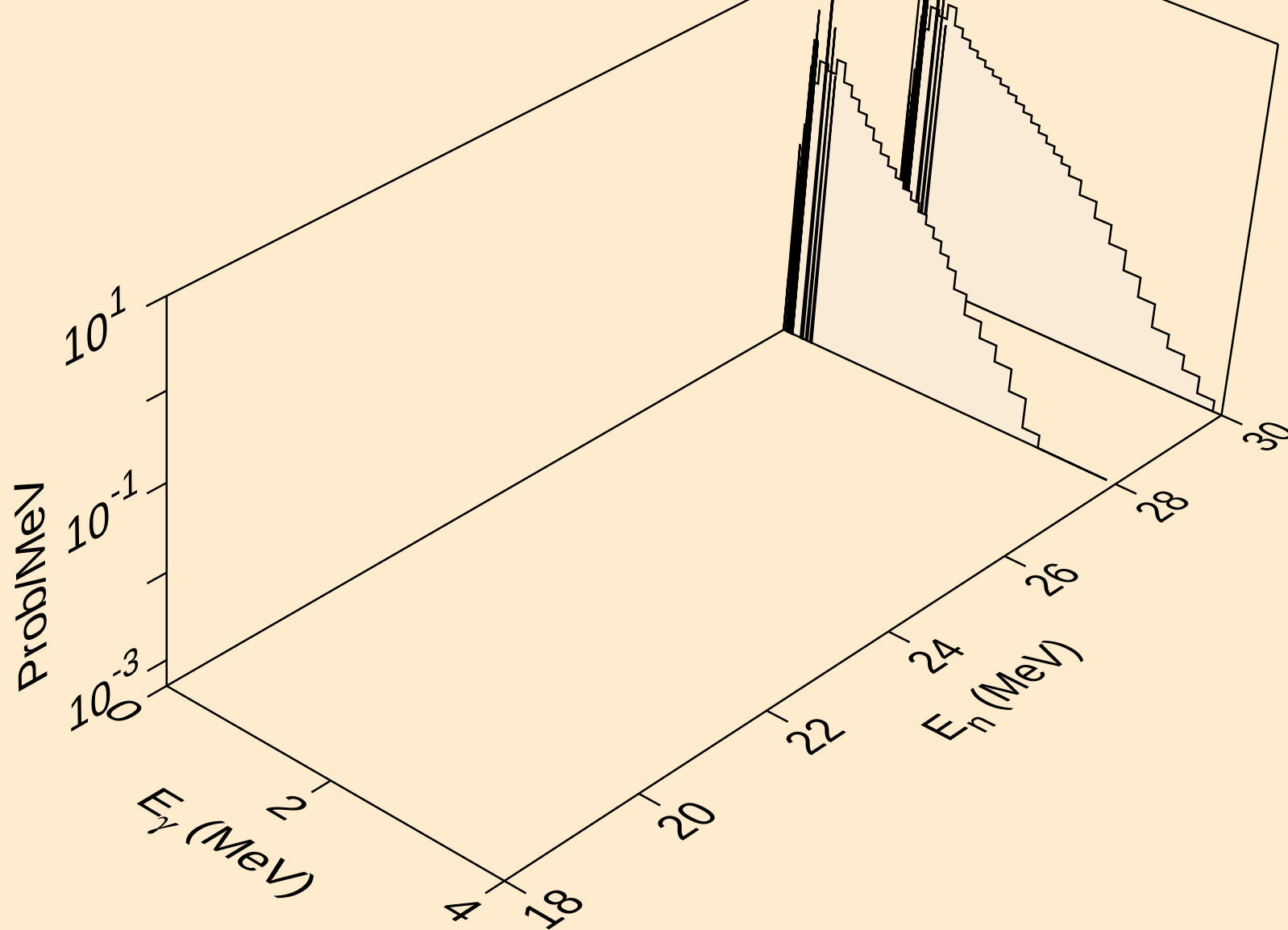
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



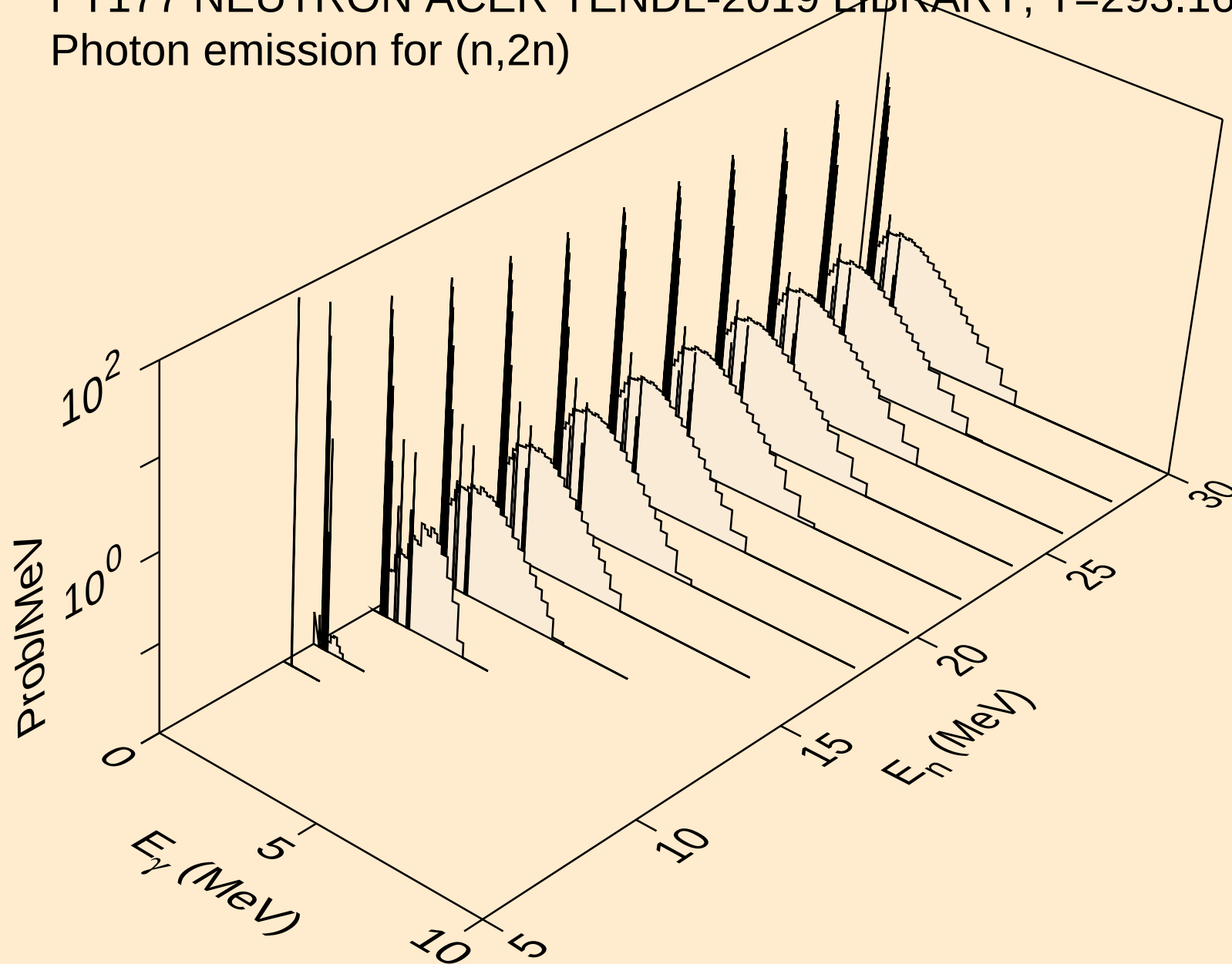
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



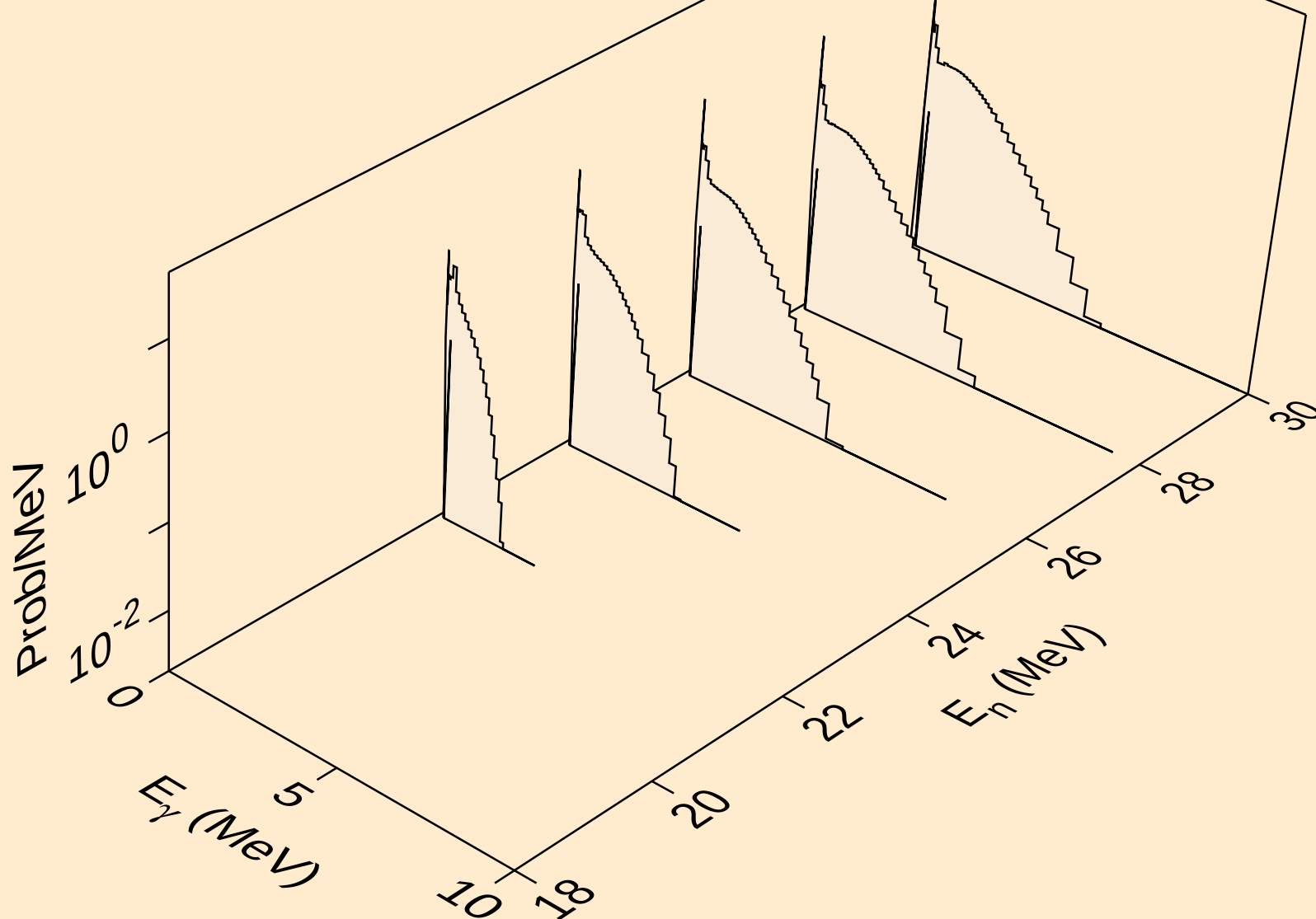
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



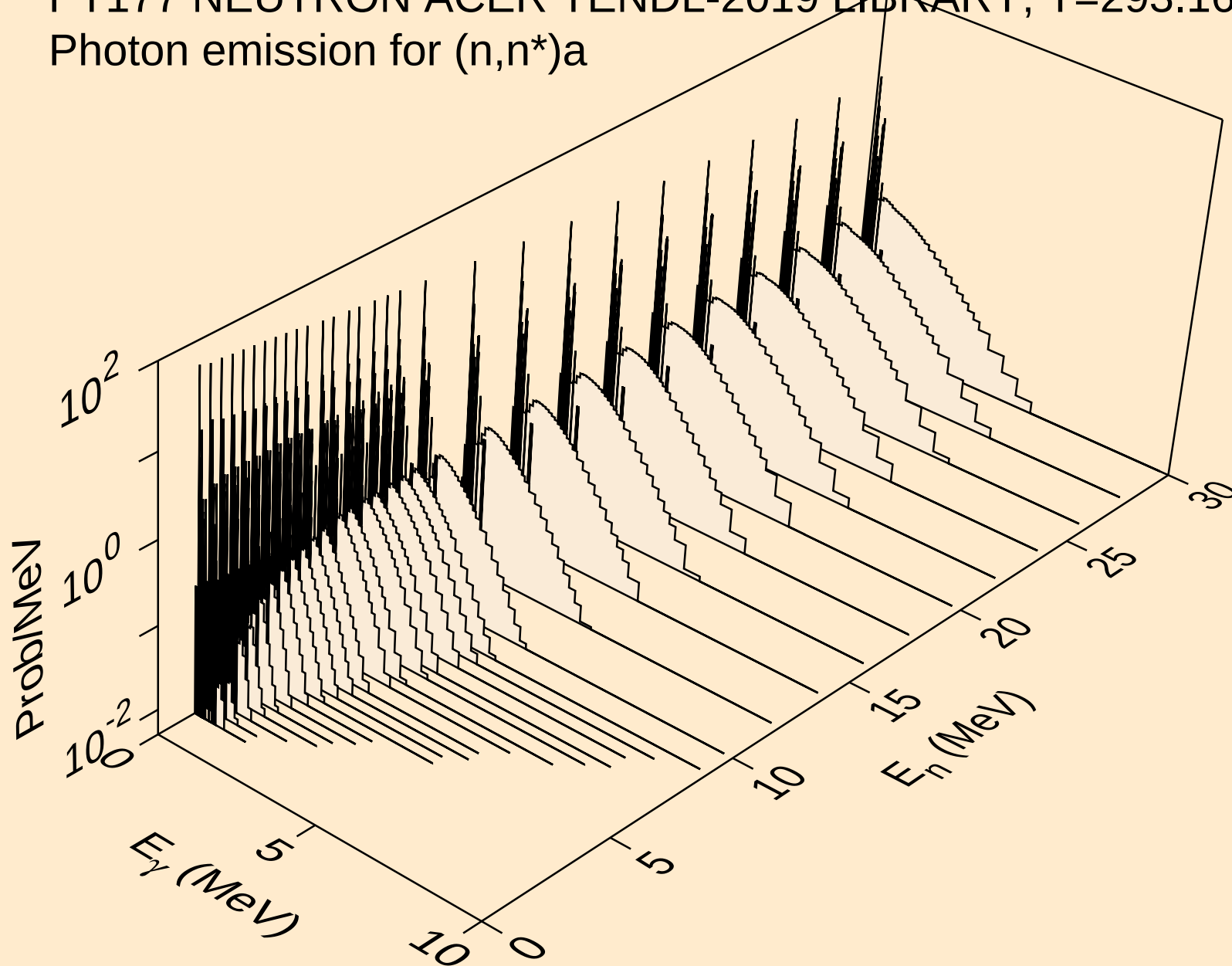
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Photon emission for (n,2n)



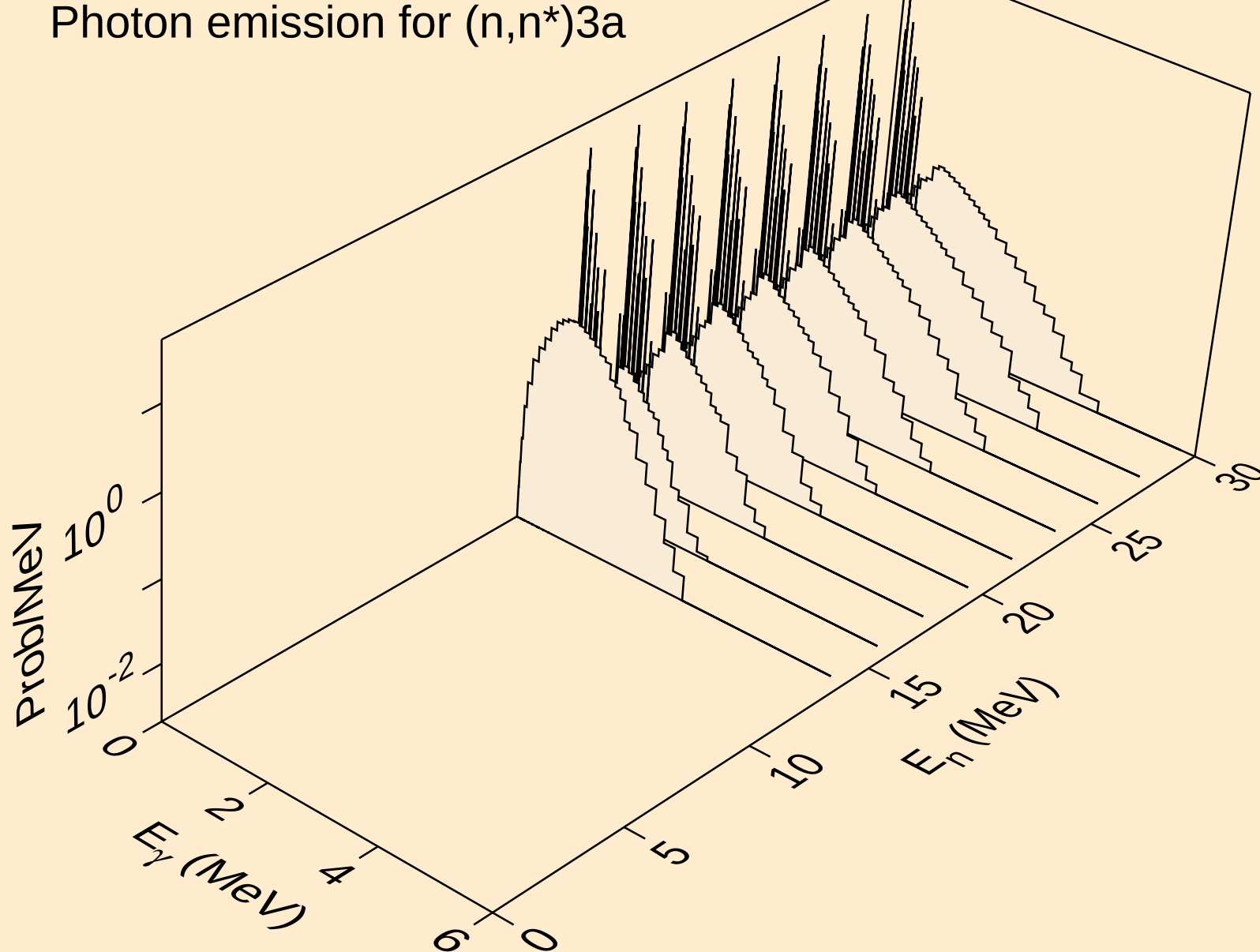
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Photon emission for (n,3n)



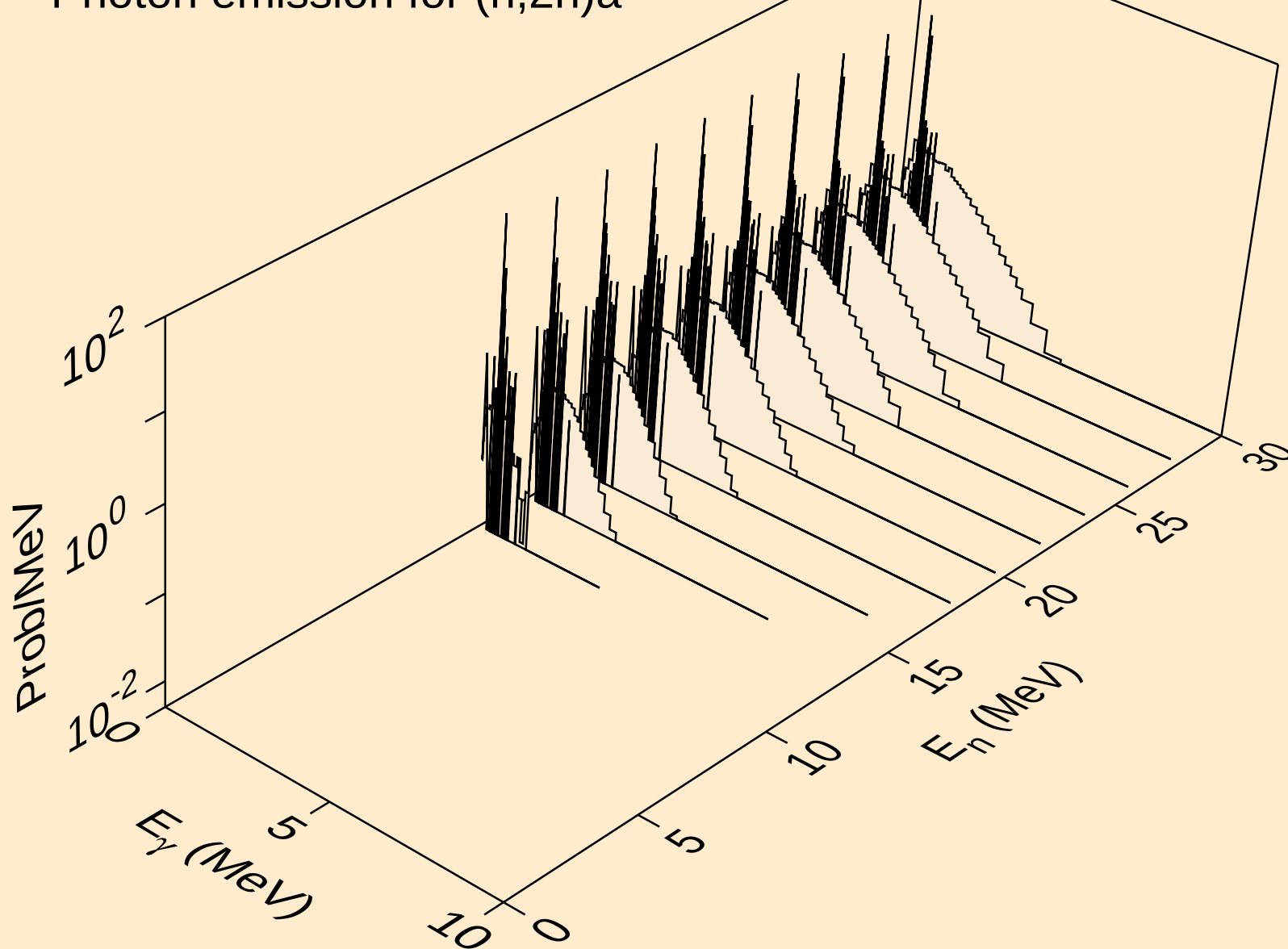
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



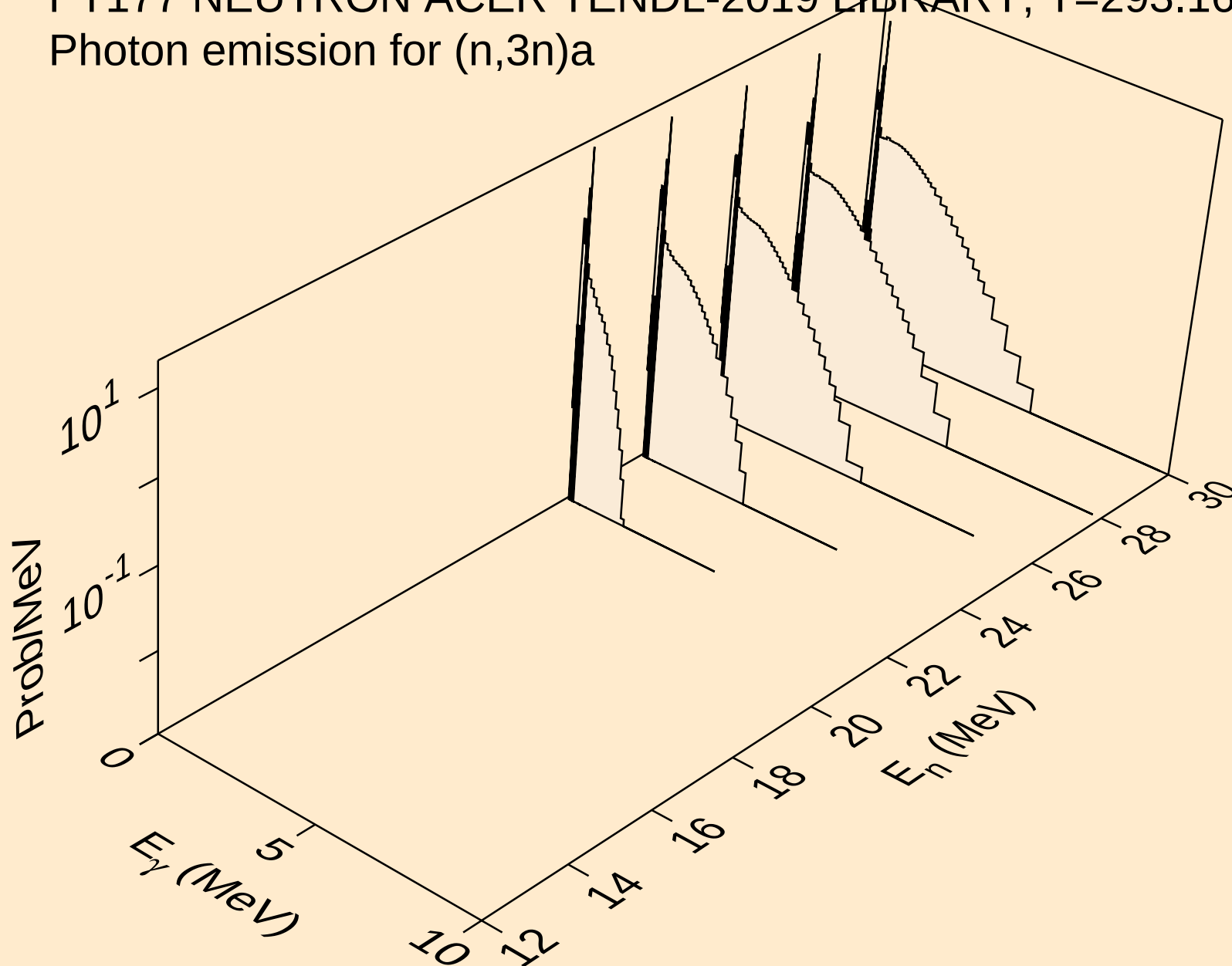
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)3a



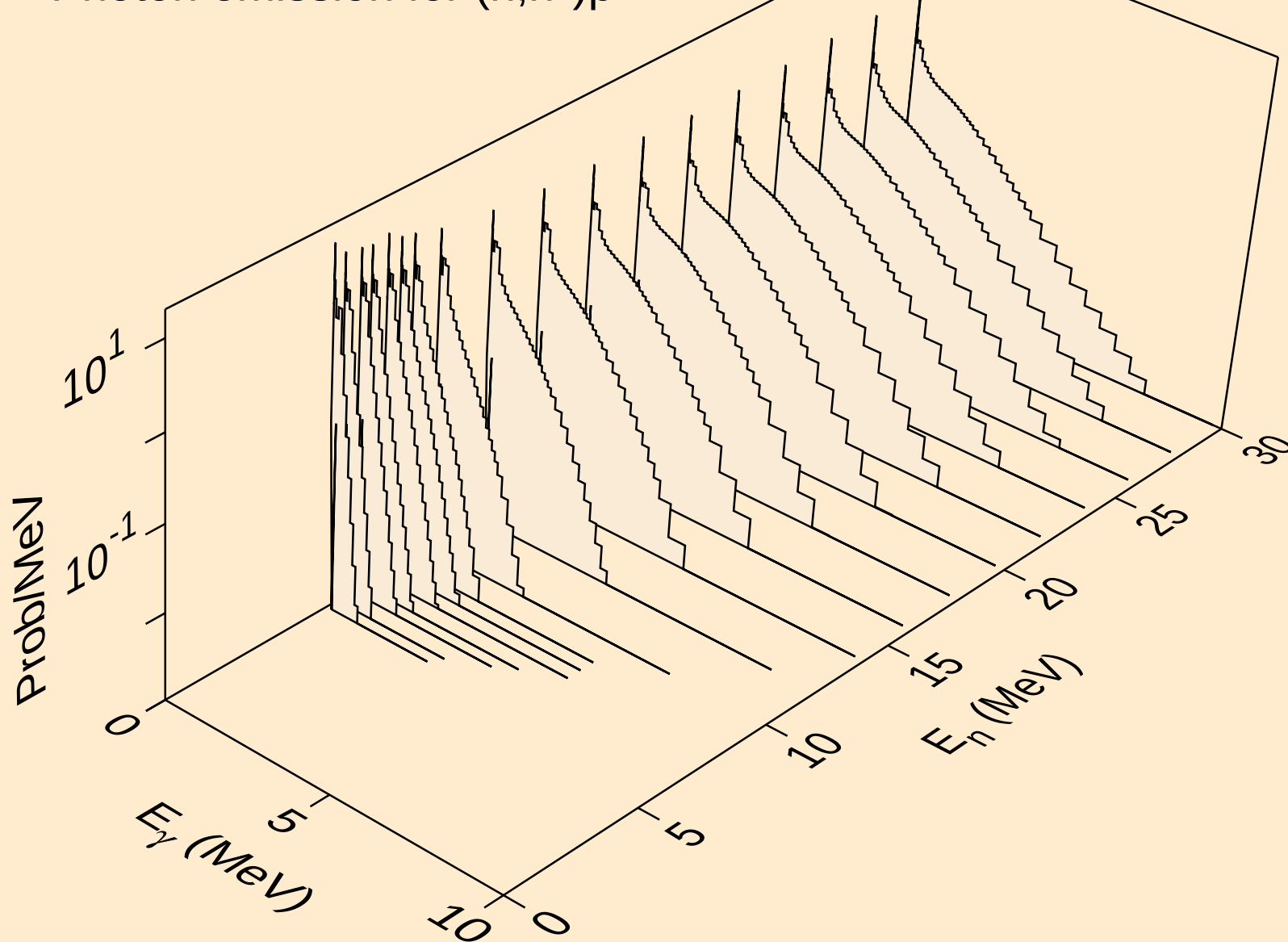
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Photon emission for (n,2n) α



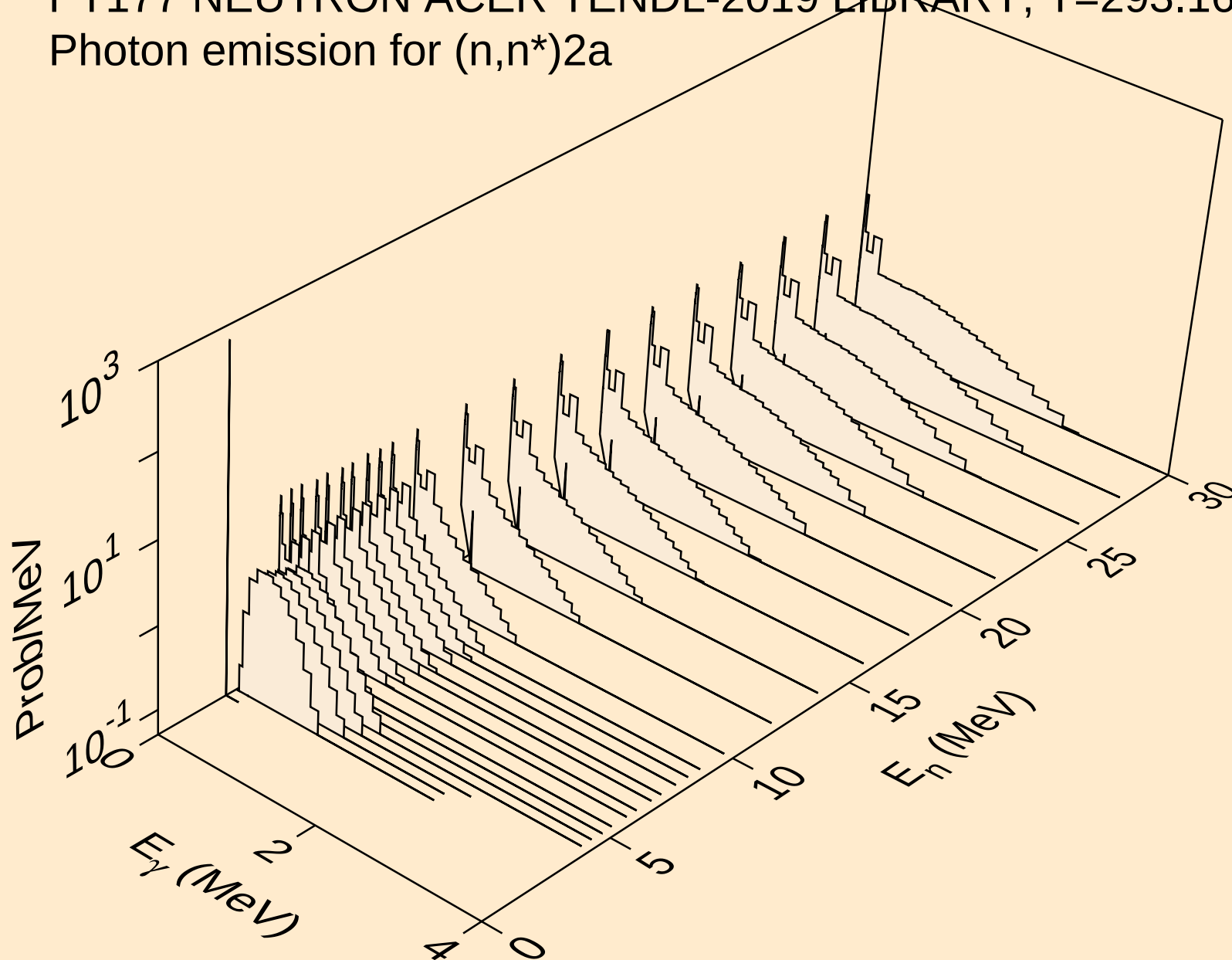
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n) α



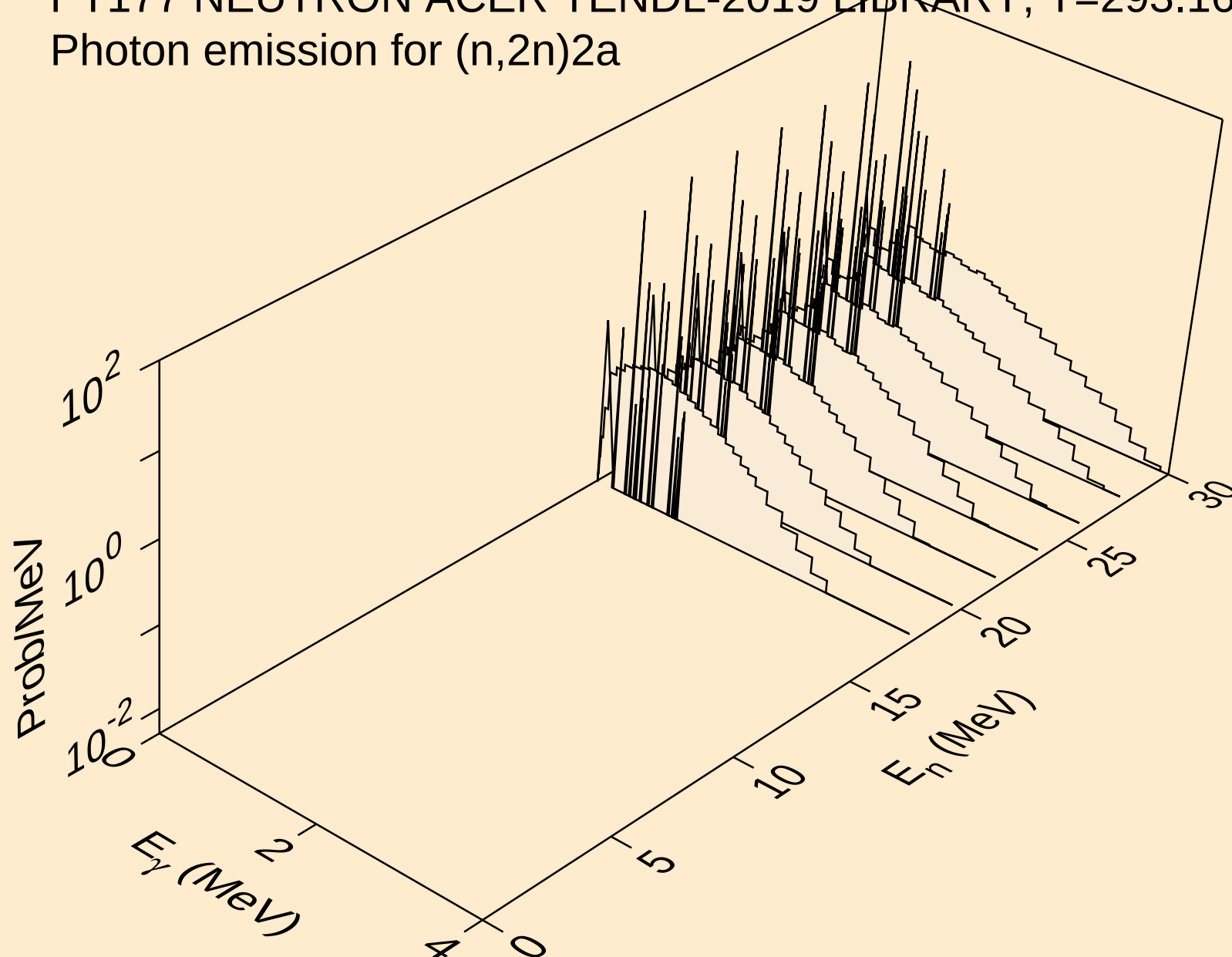
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



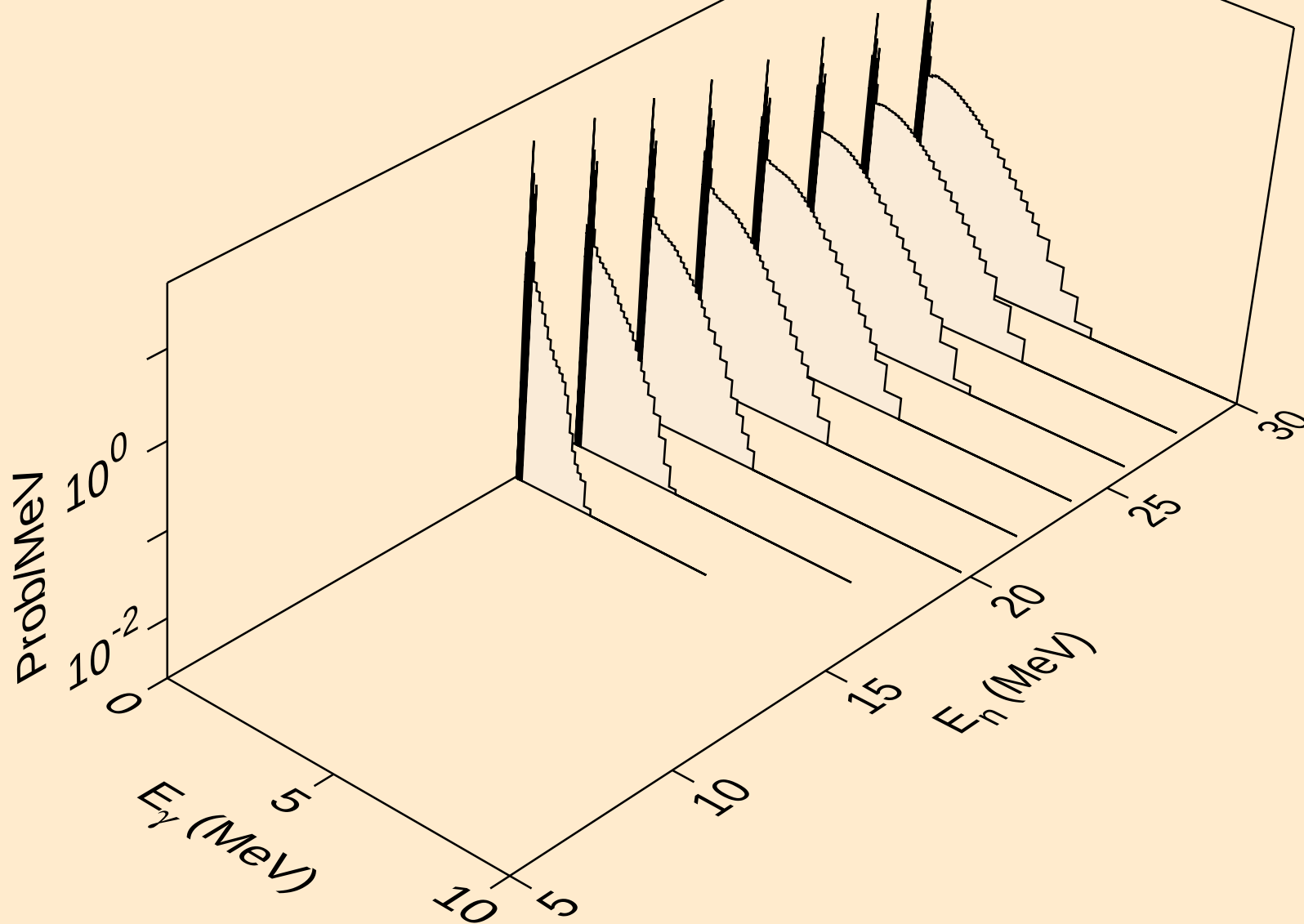
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Photon emission for (n,n*)2a



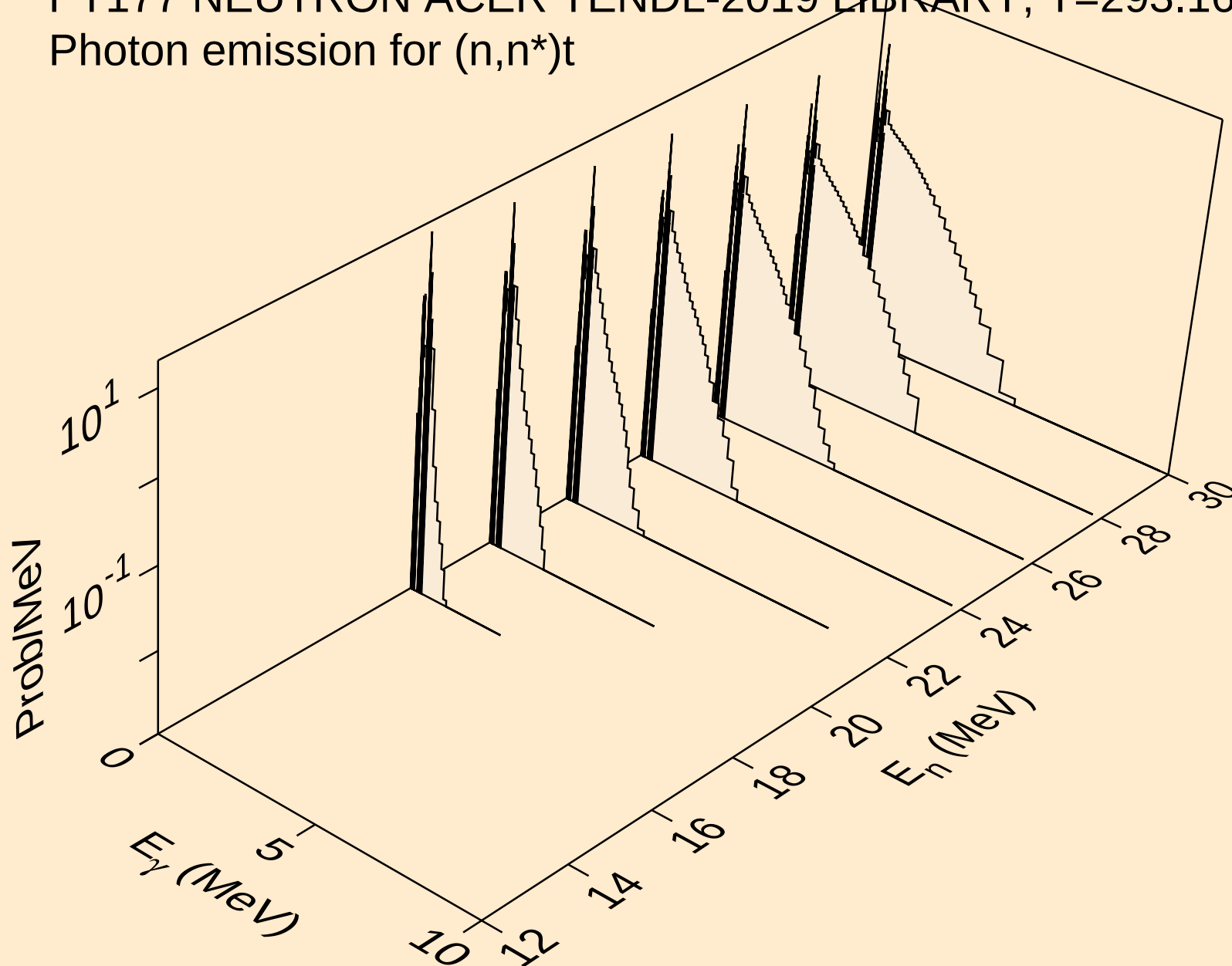
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Photon emission for (n,2n)2a



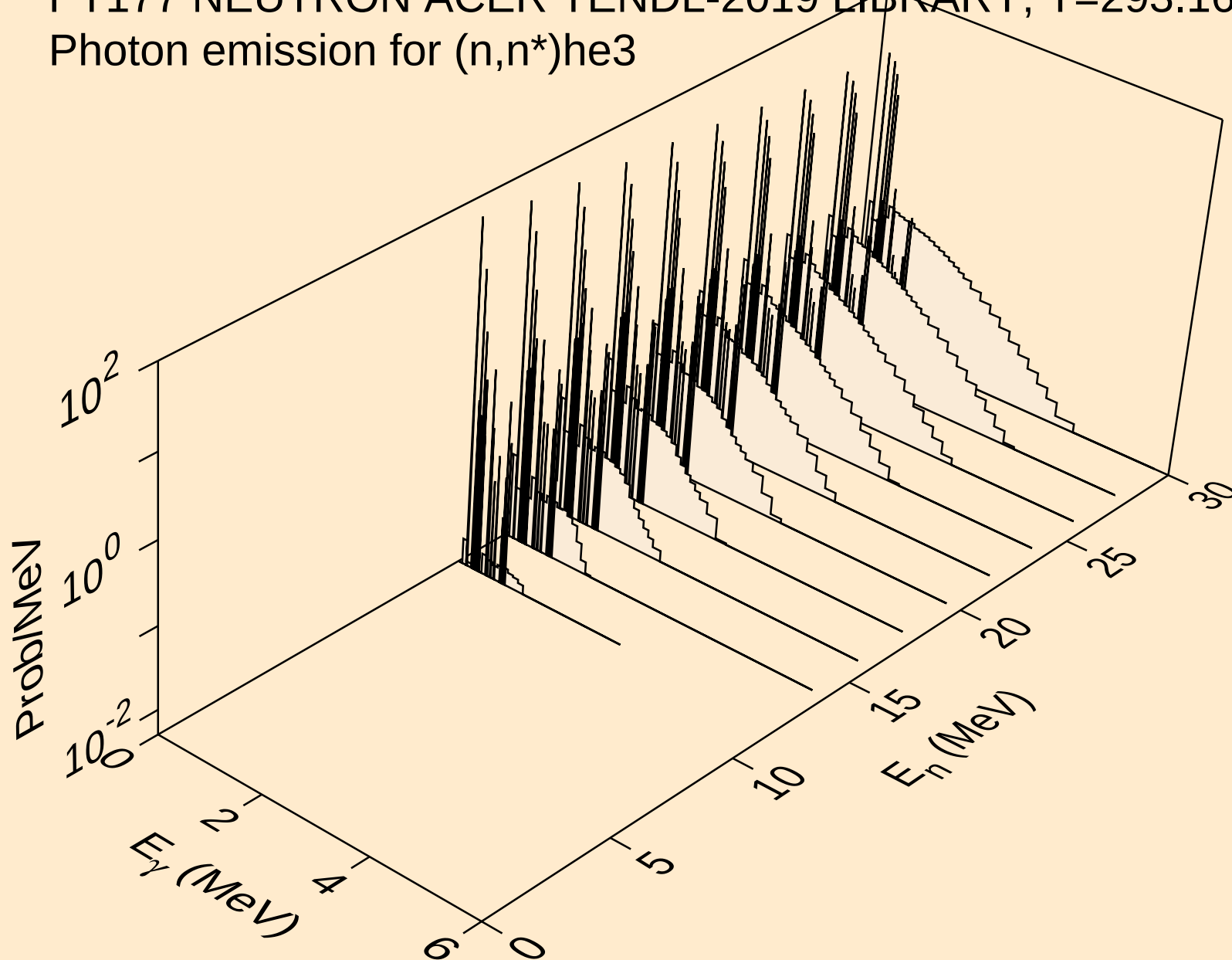
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Photon emission for (n,n*)d



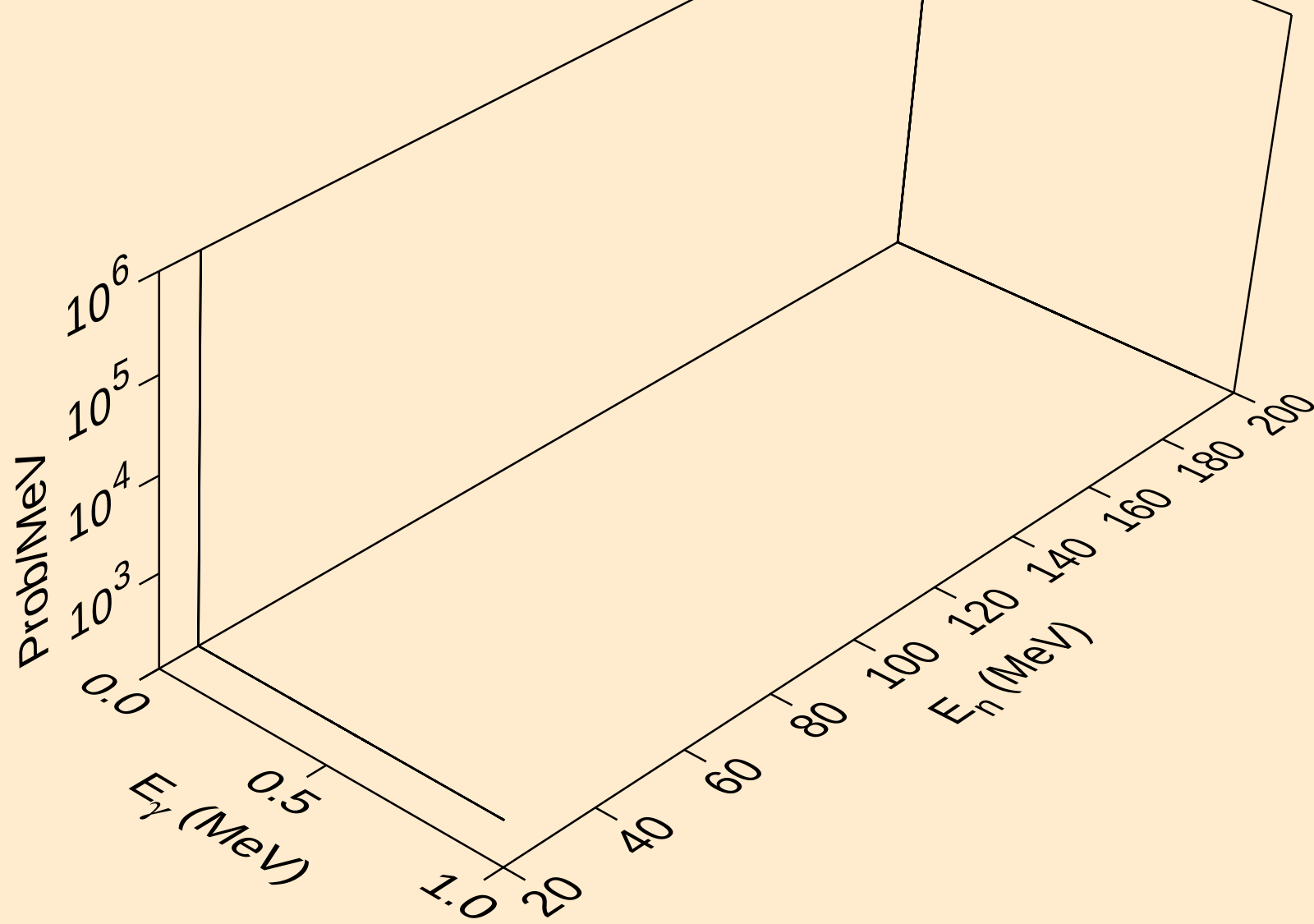
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



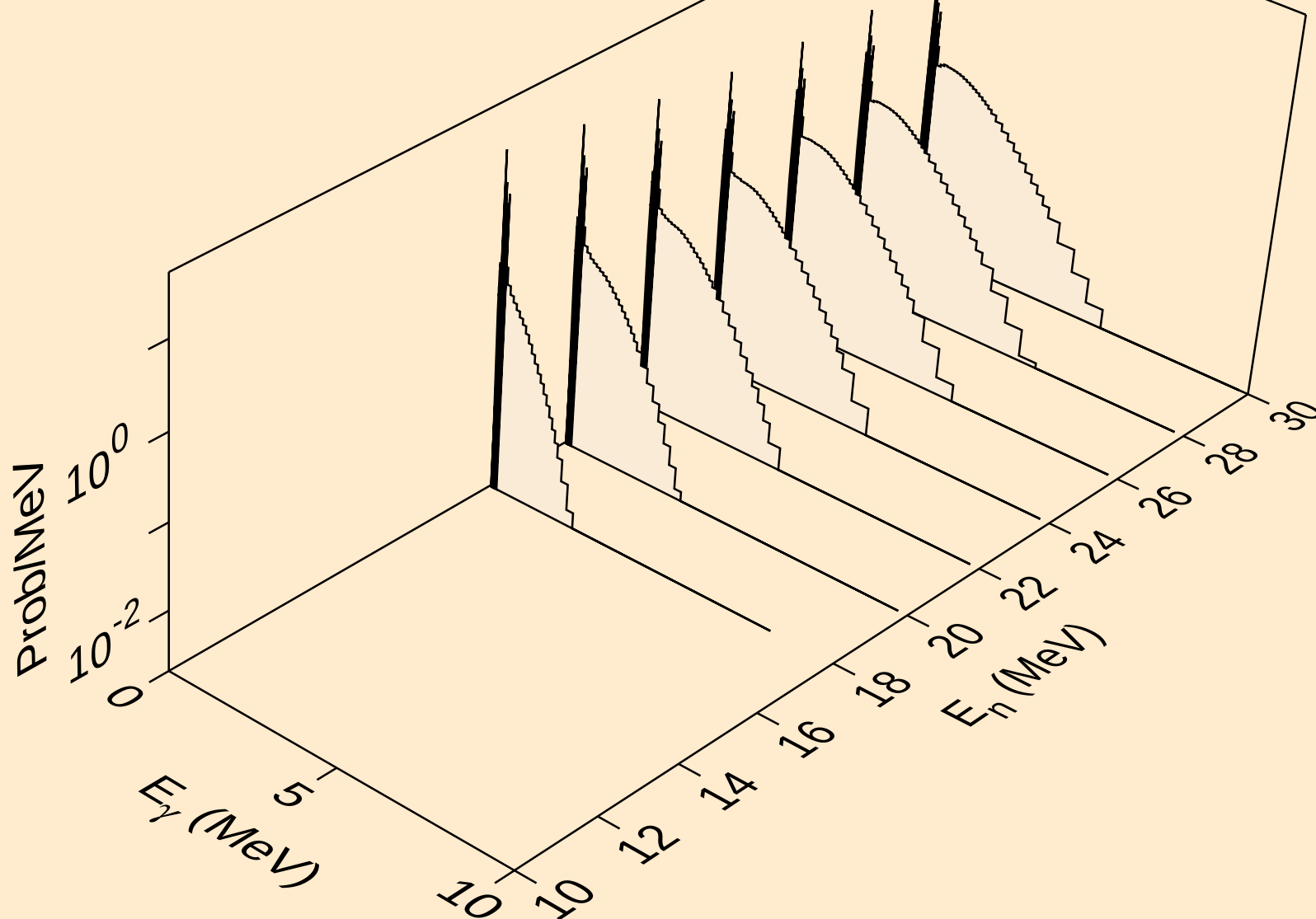
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



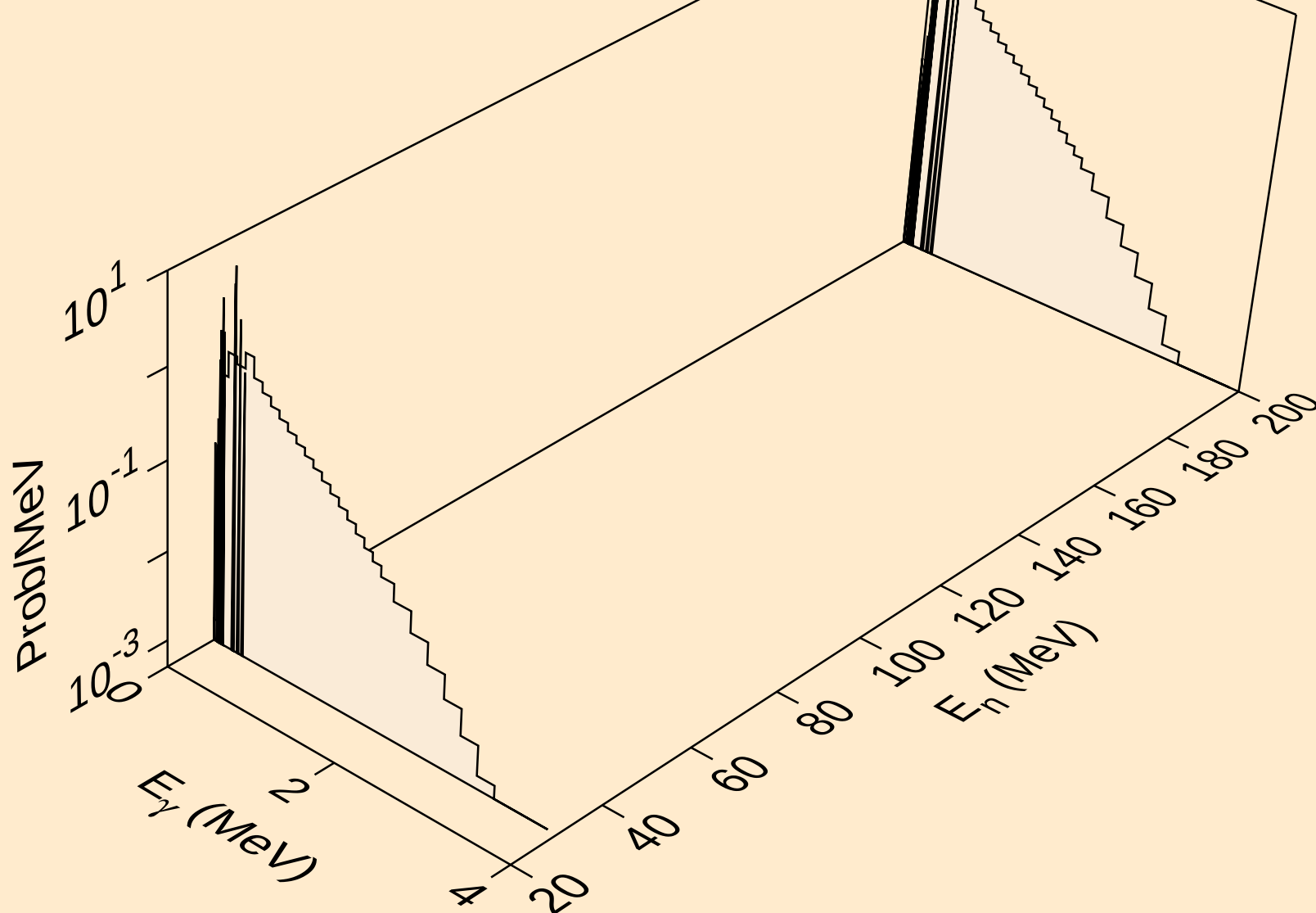
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



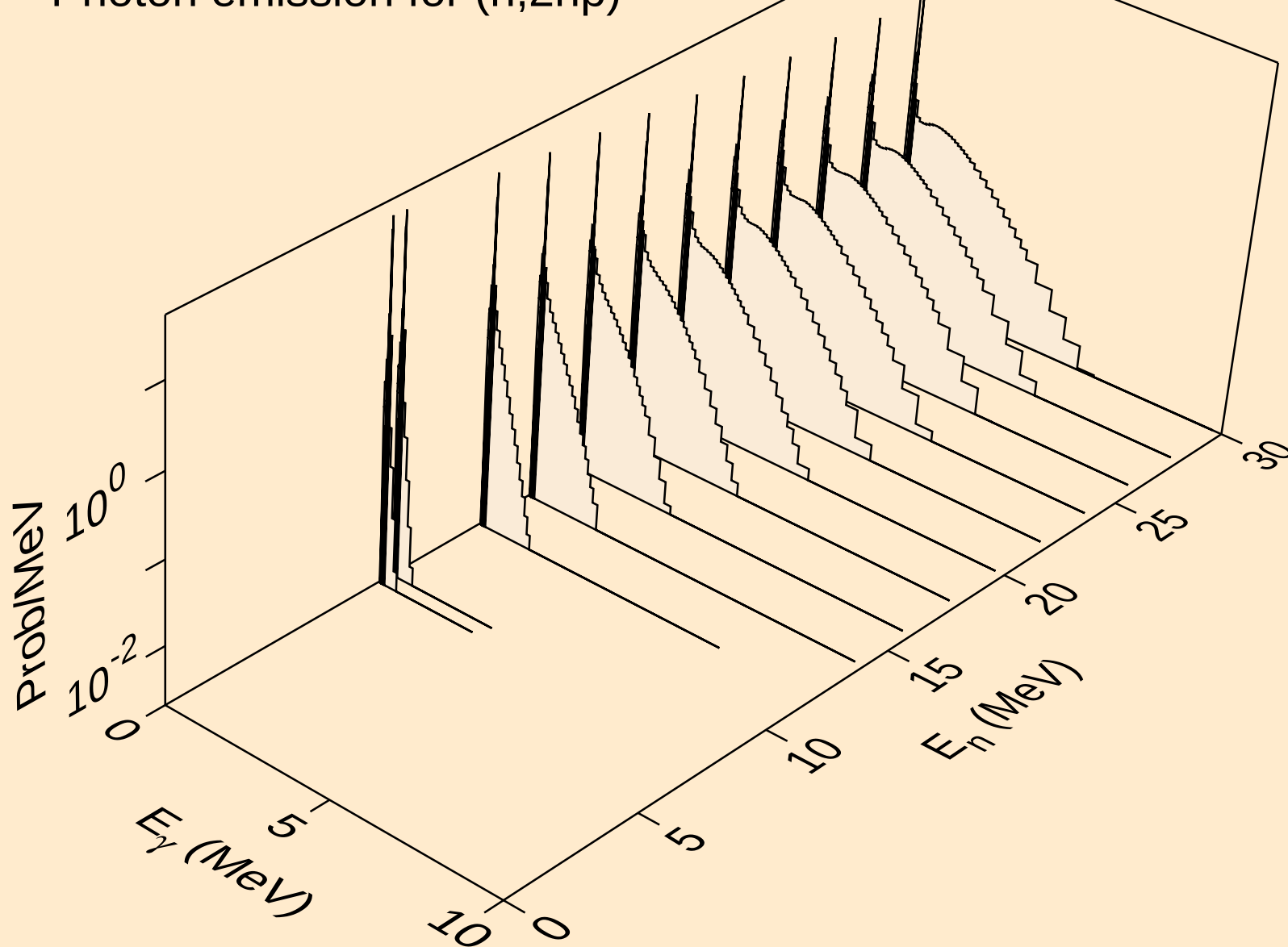
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



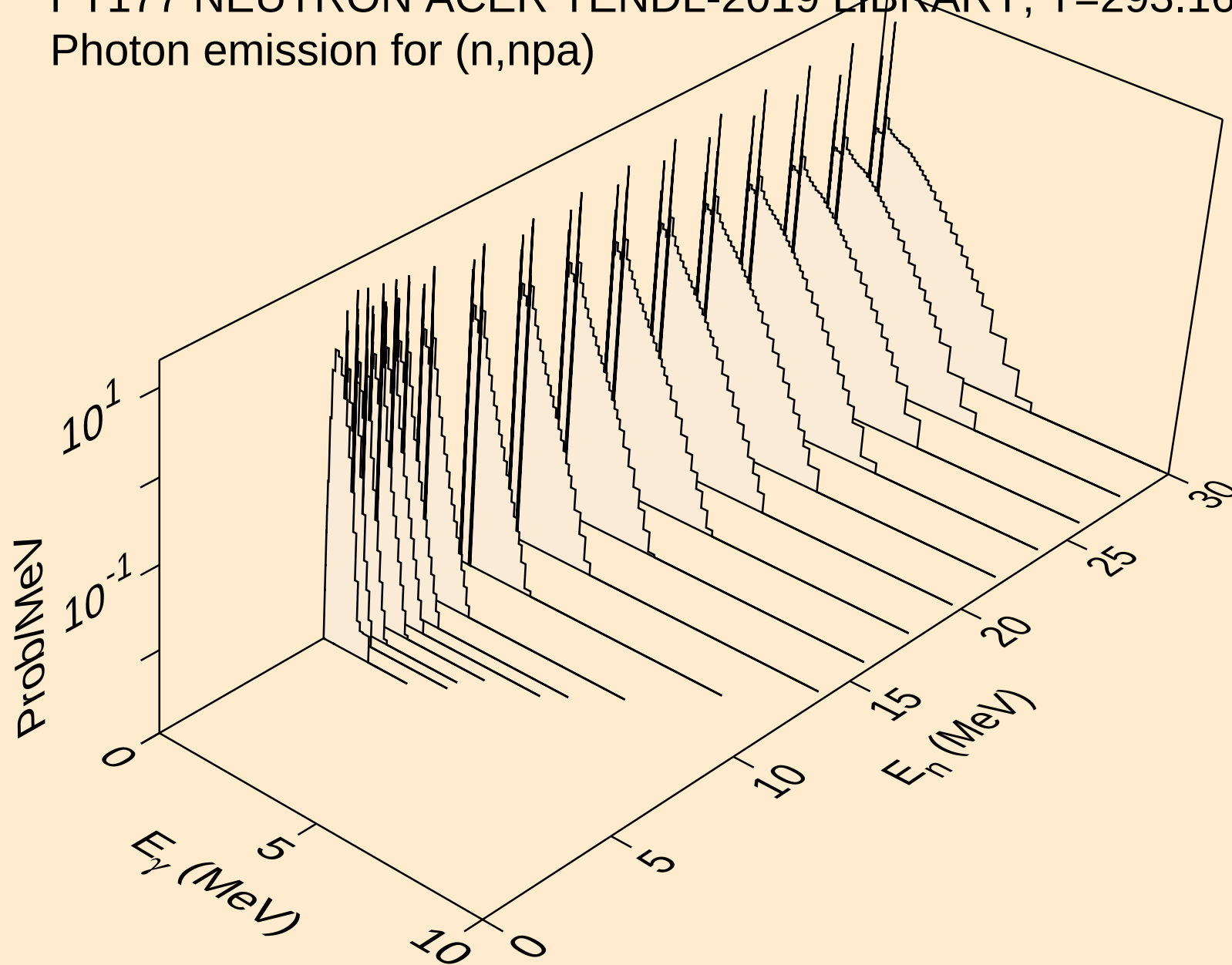
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



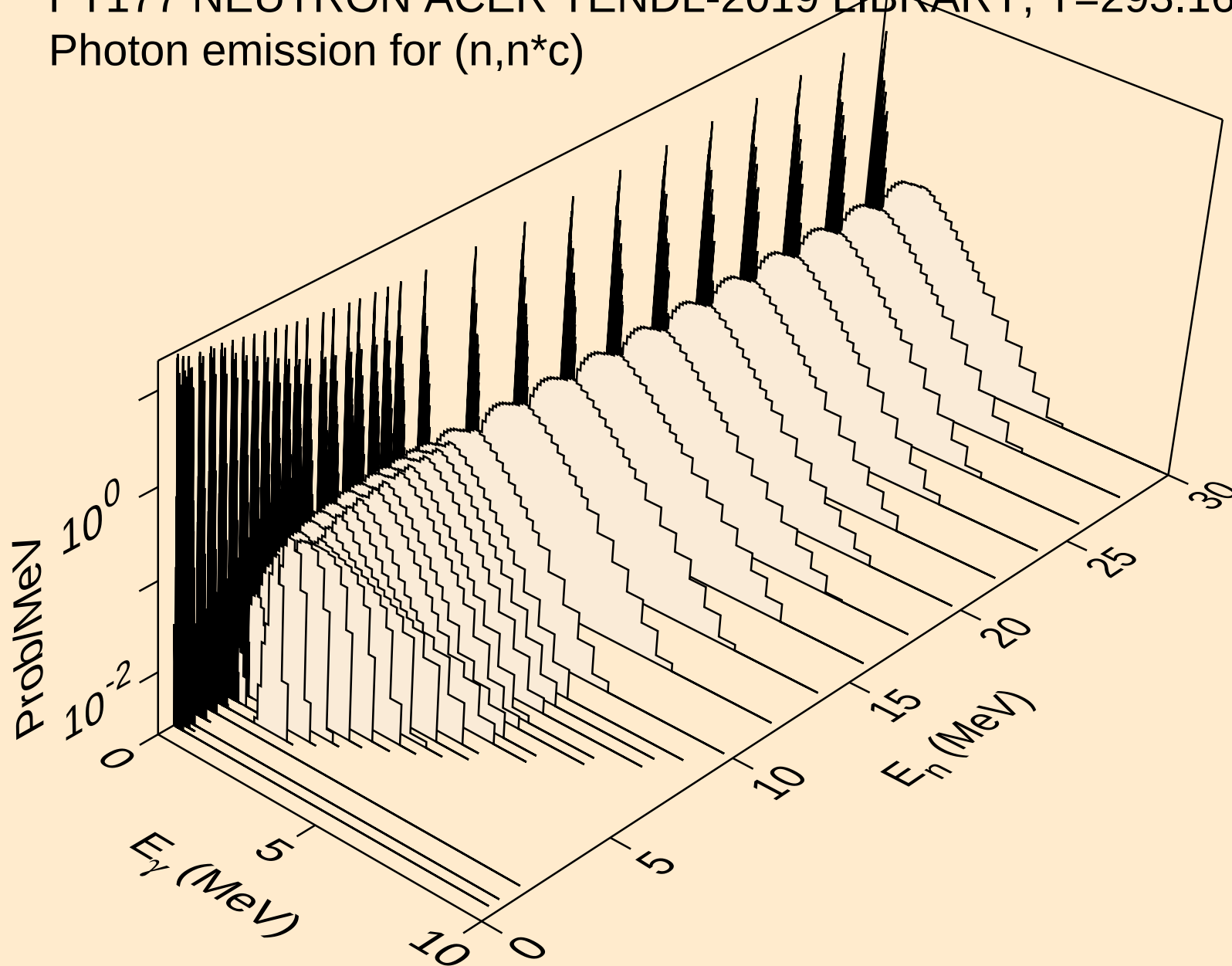
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



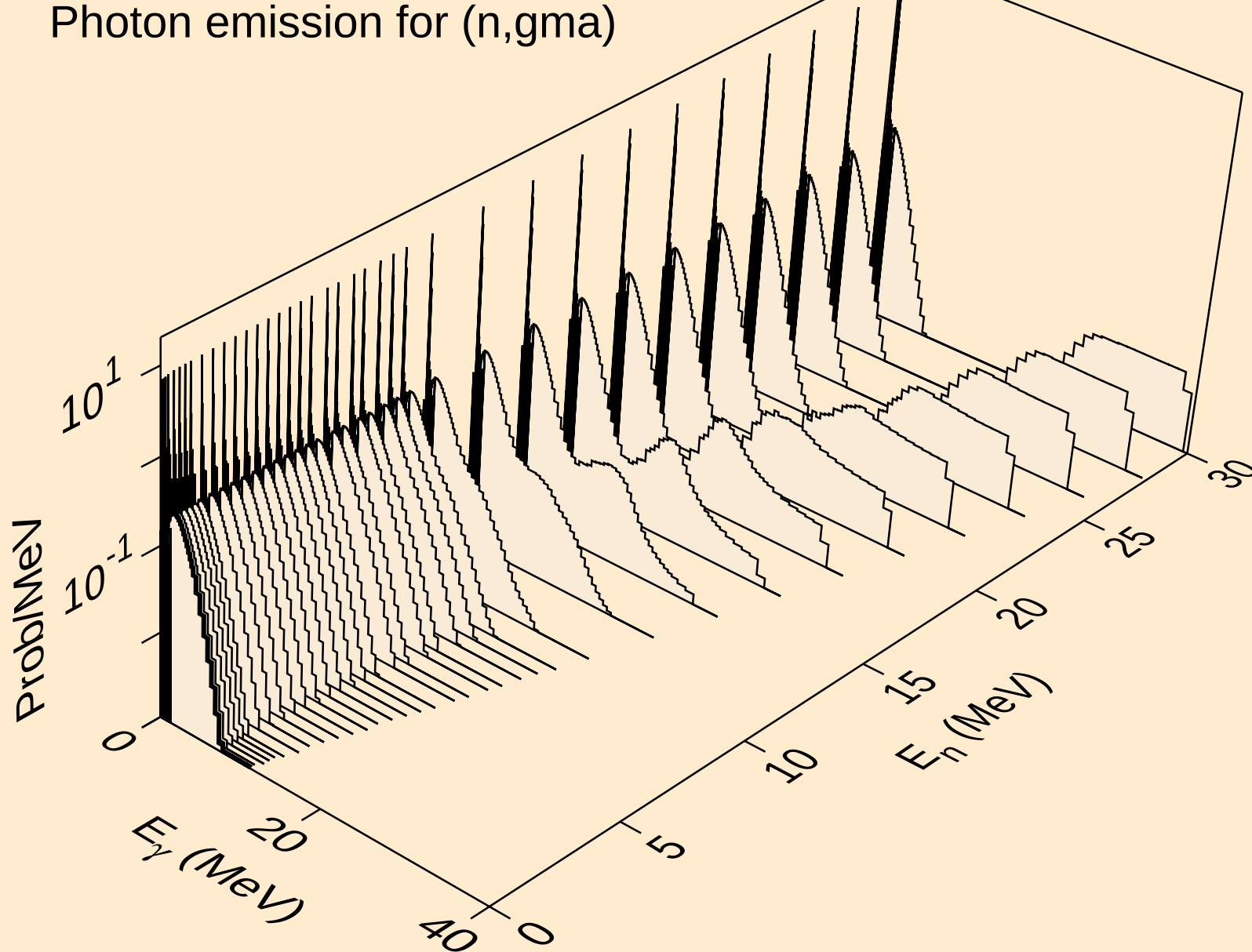
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



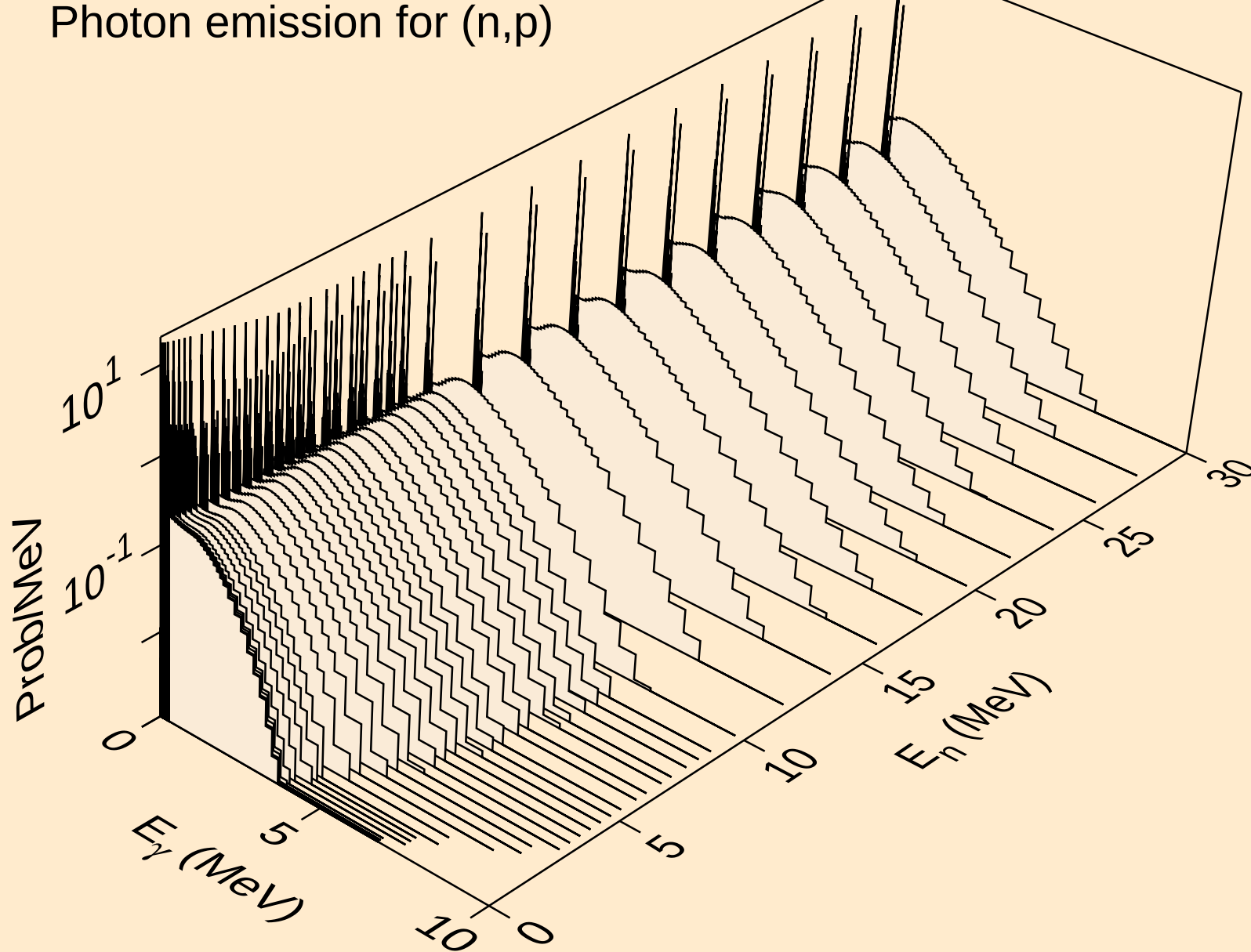
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



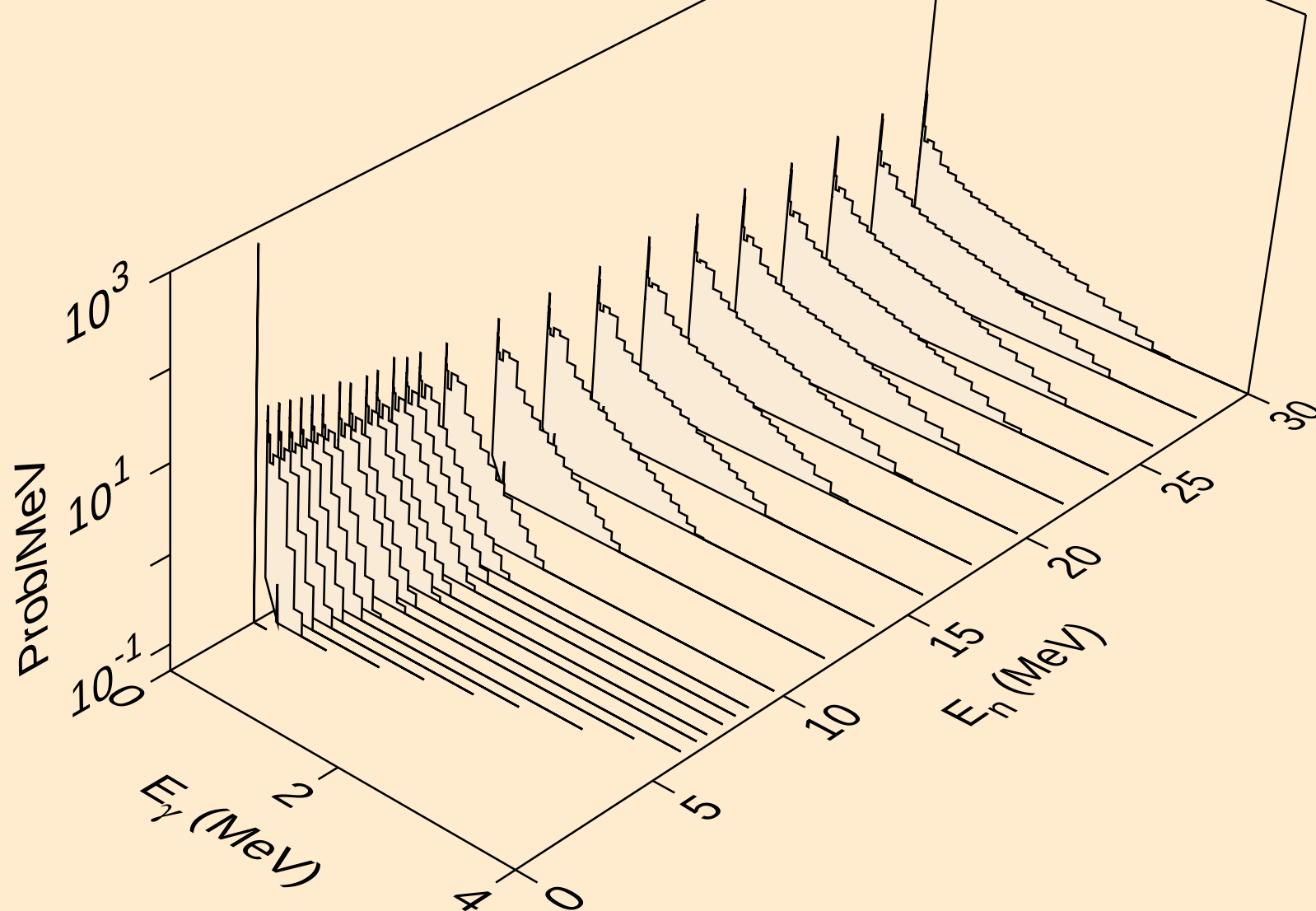
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



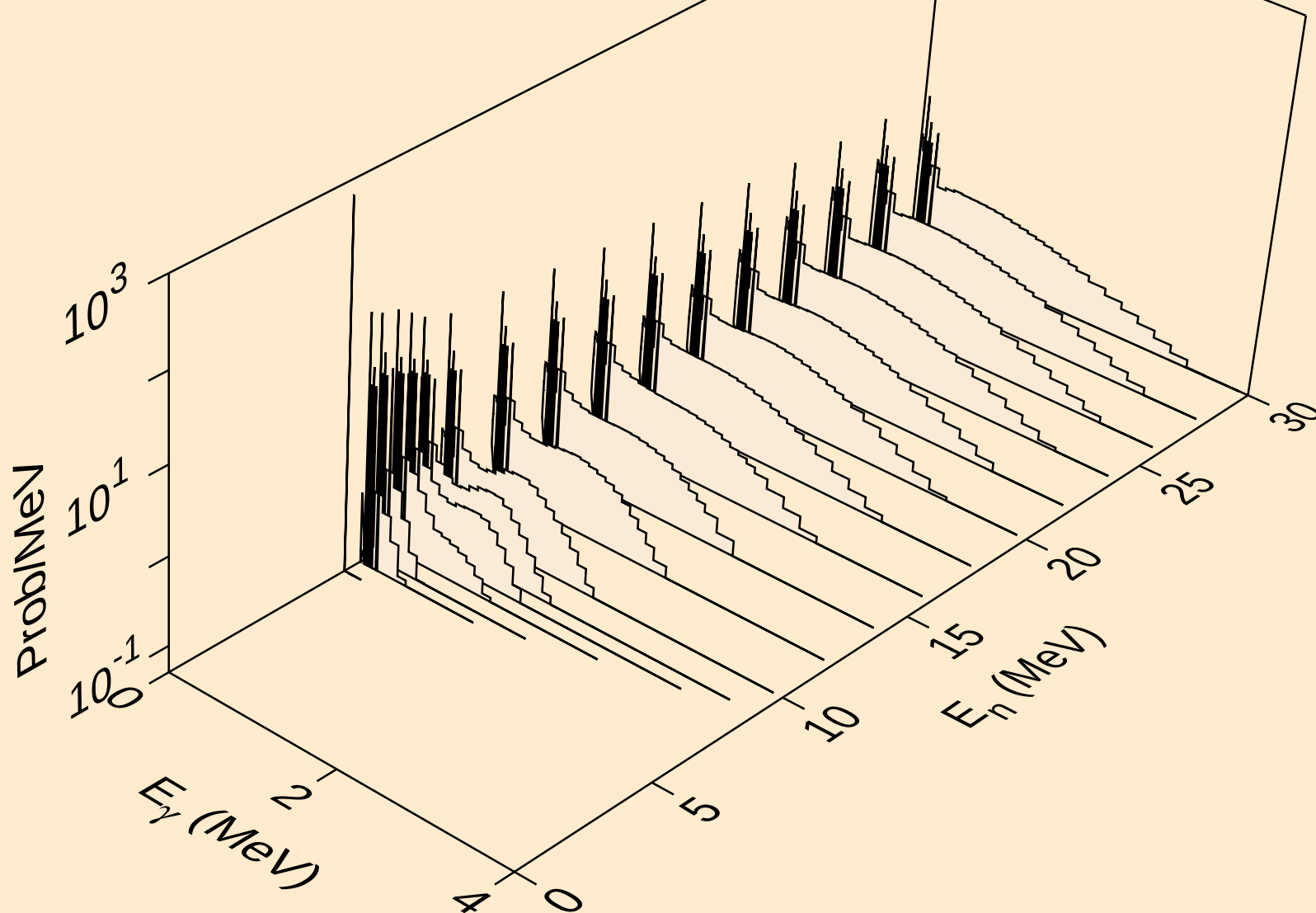
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



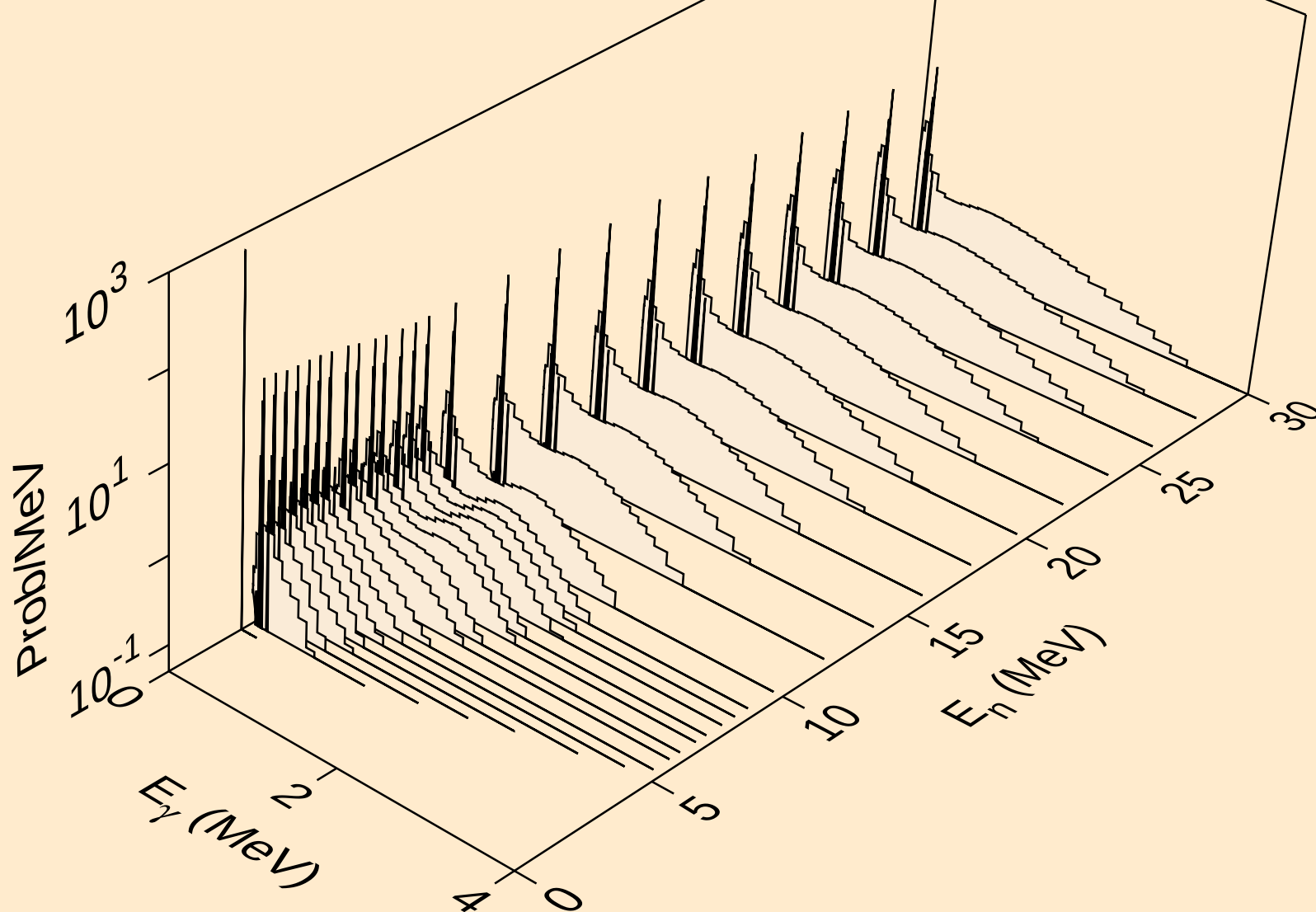
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



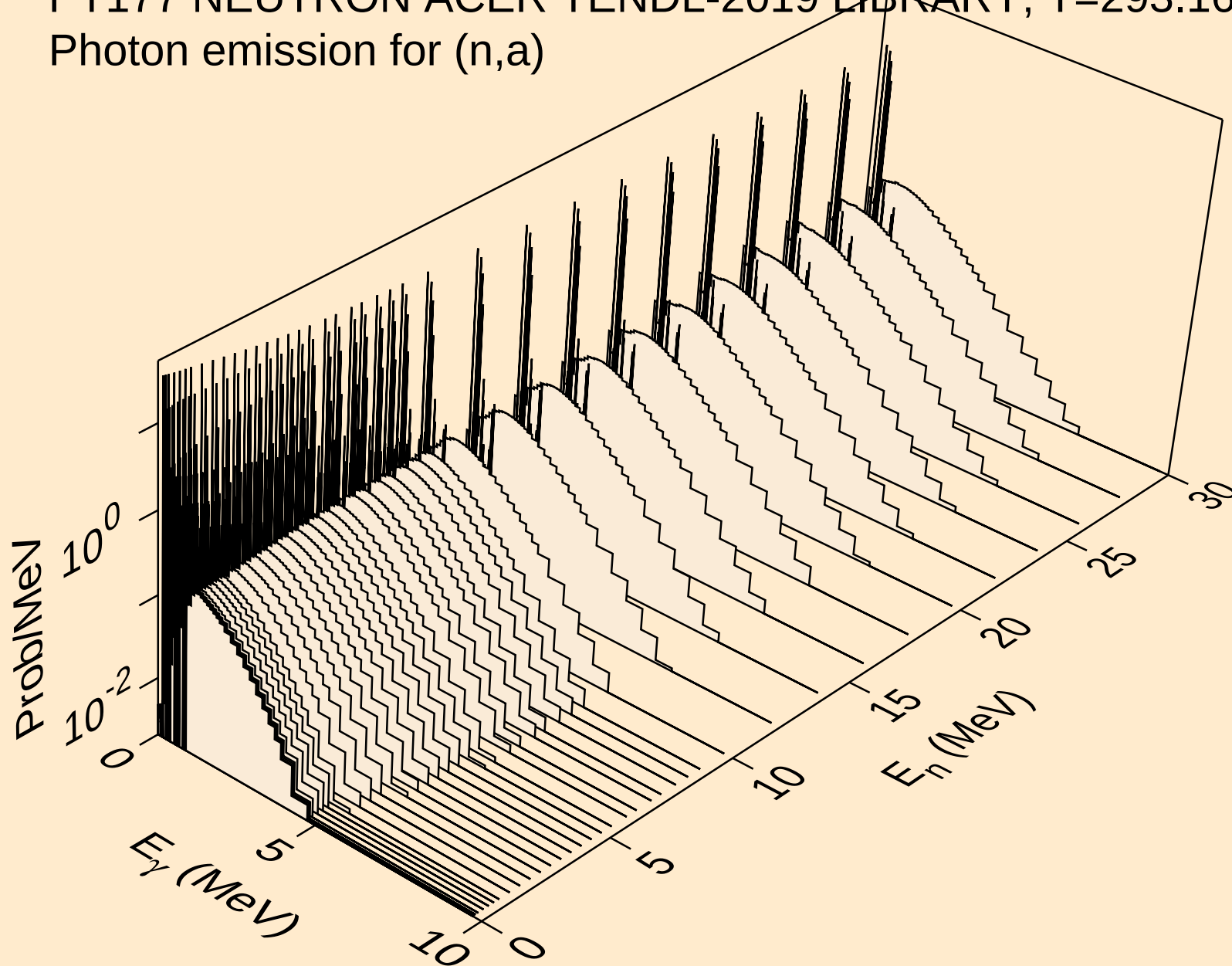
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



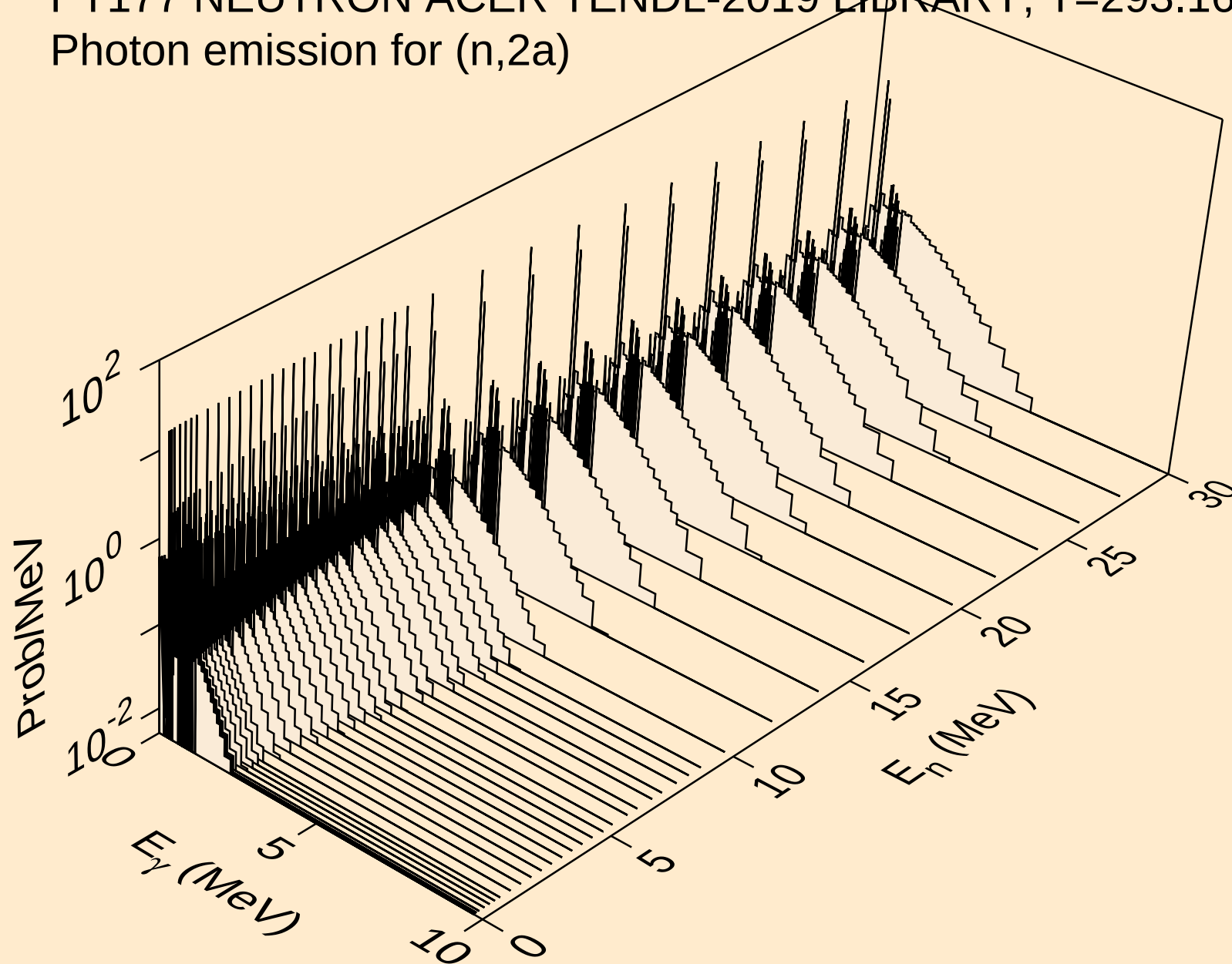
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



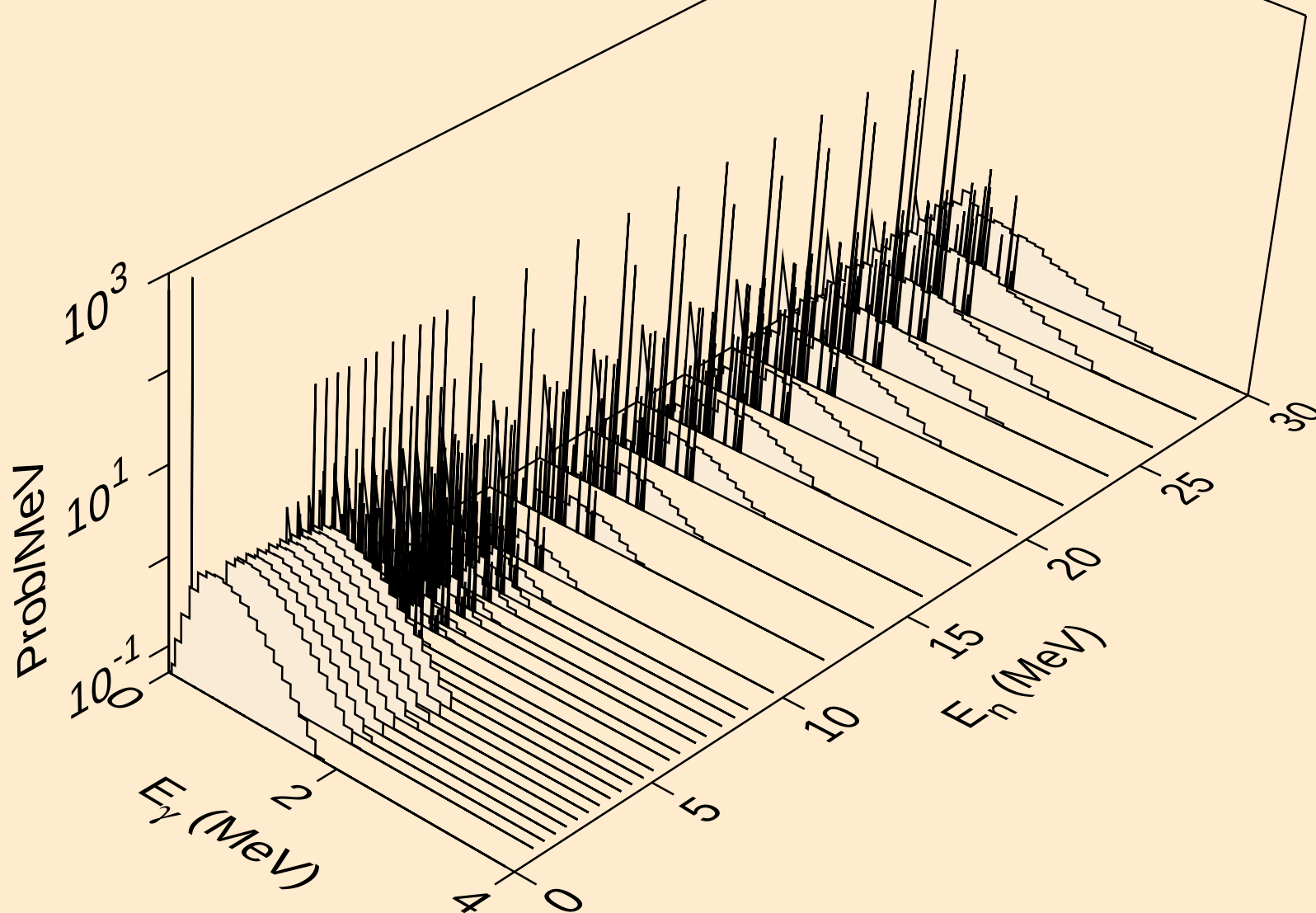
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



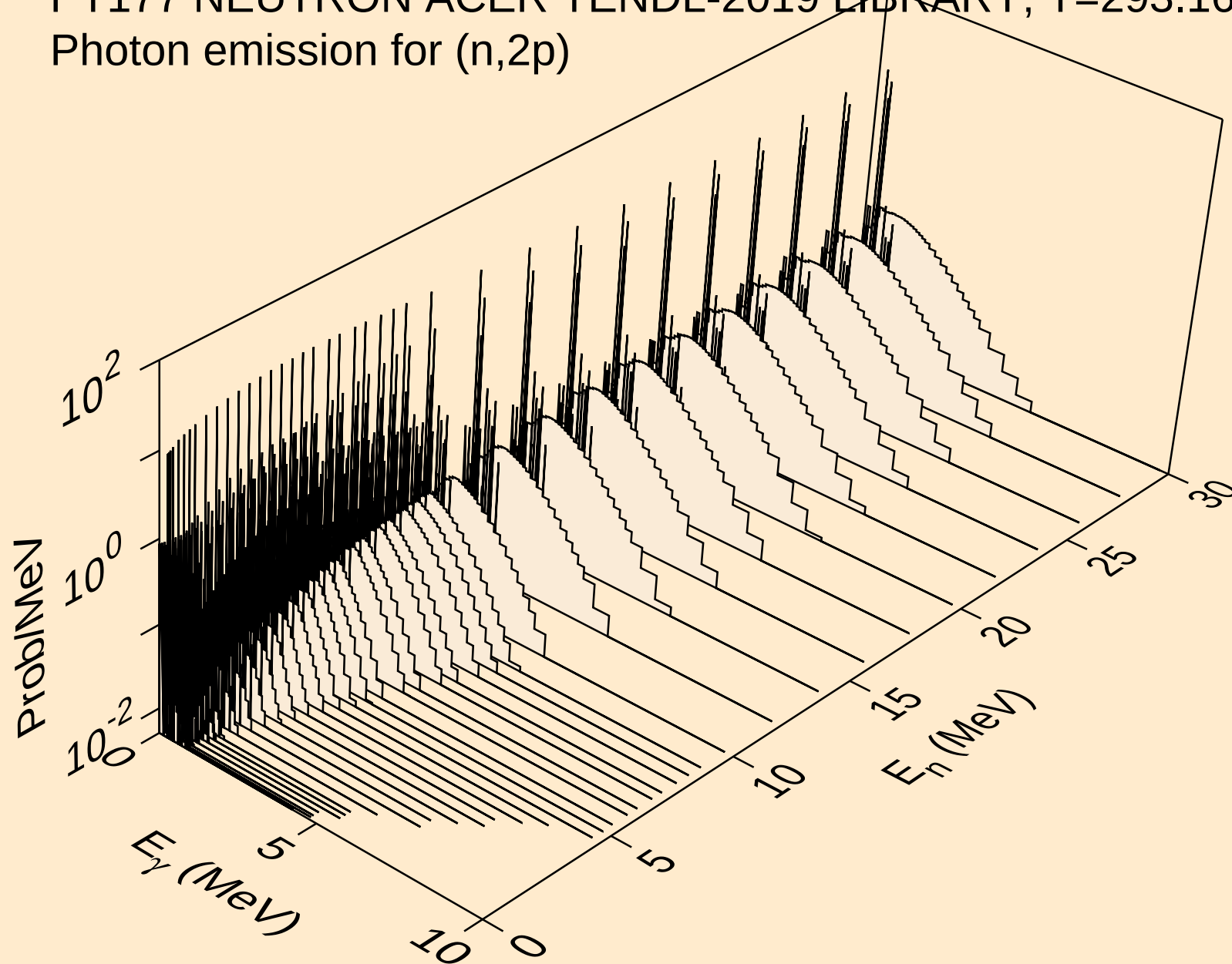
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



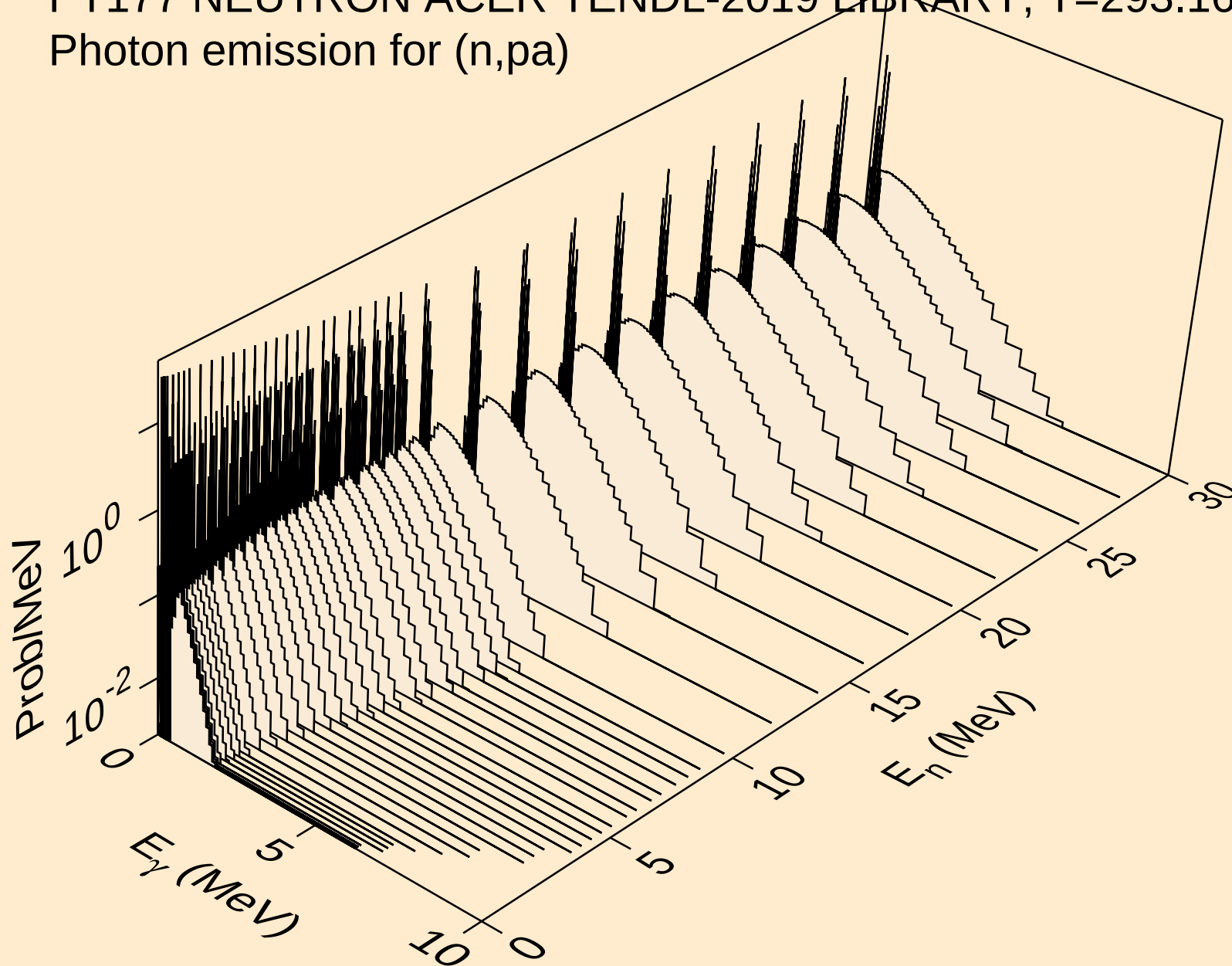
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



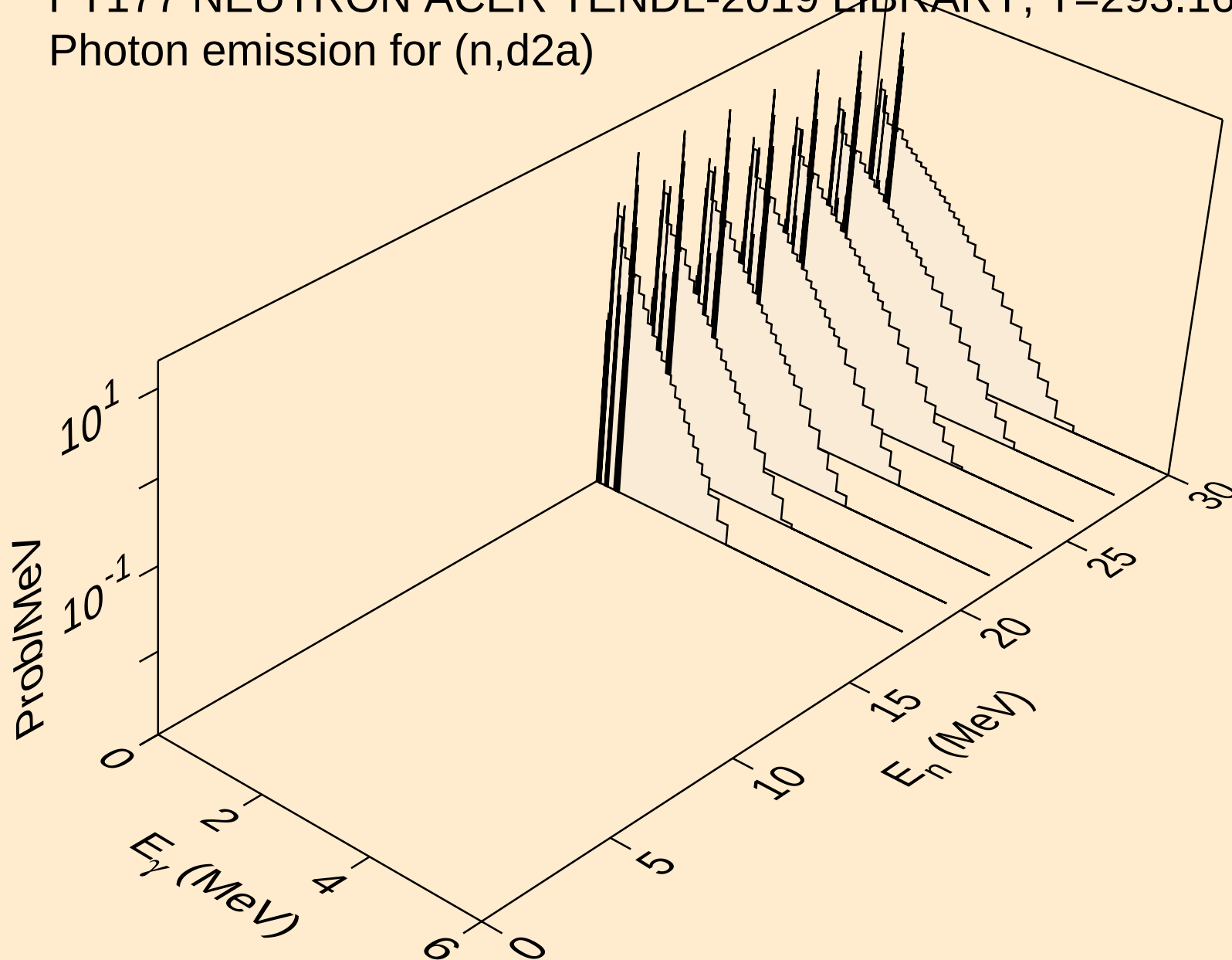
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



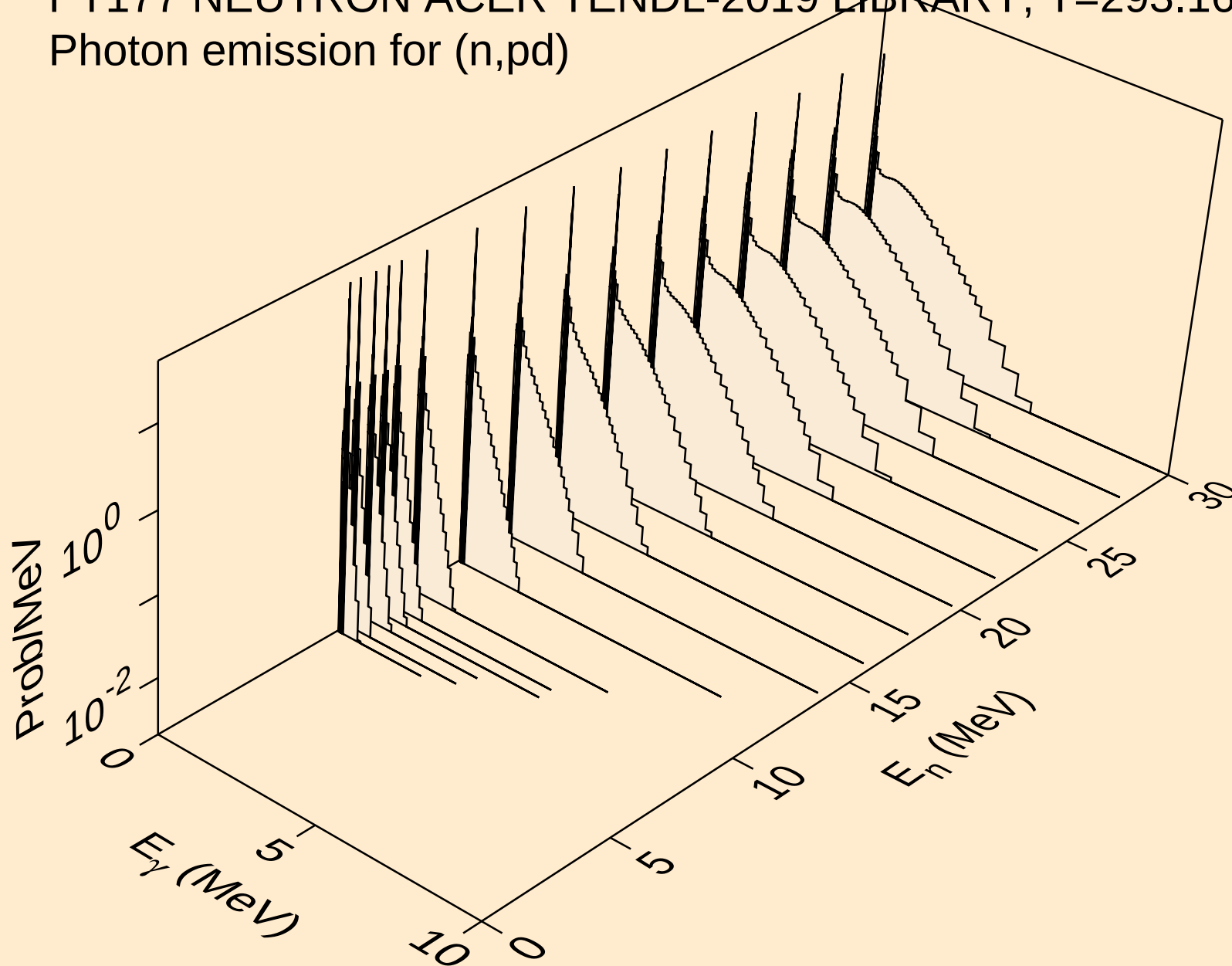
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



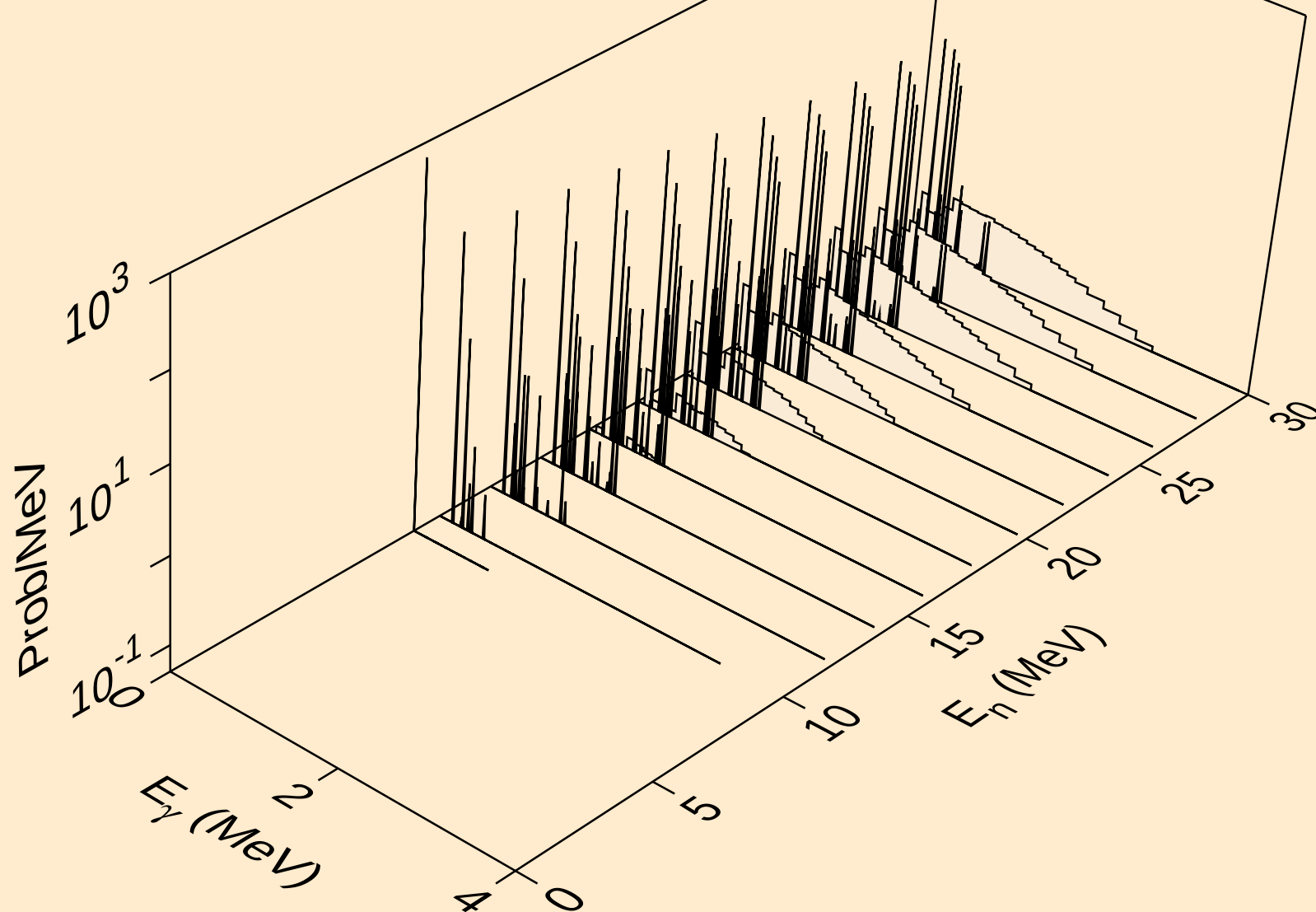
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d2a)



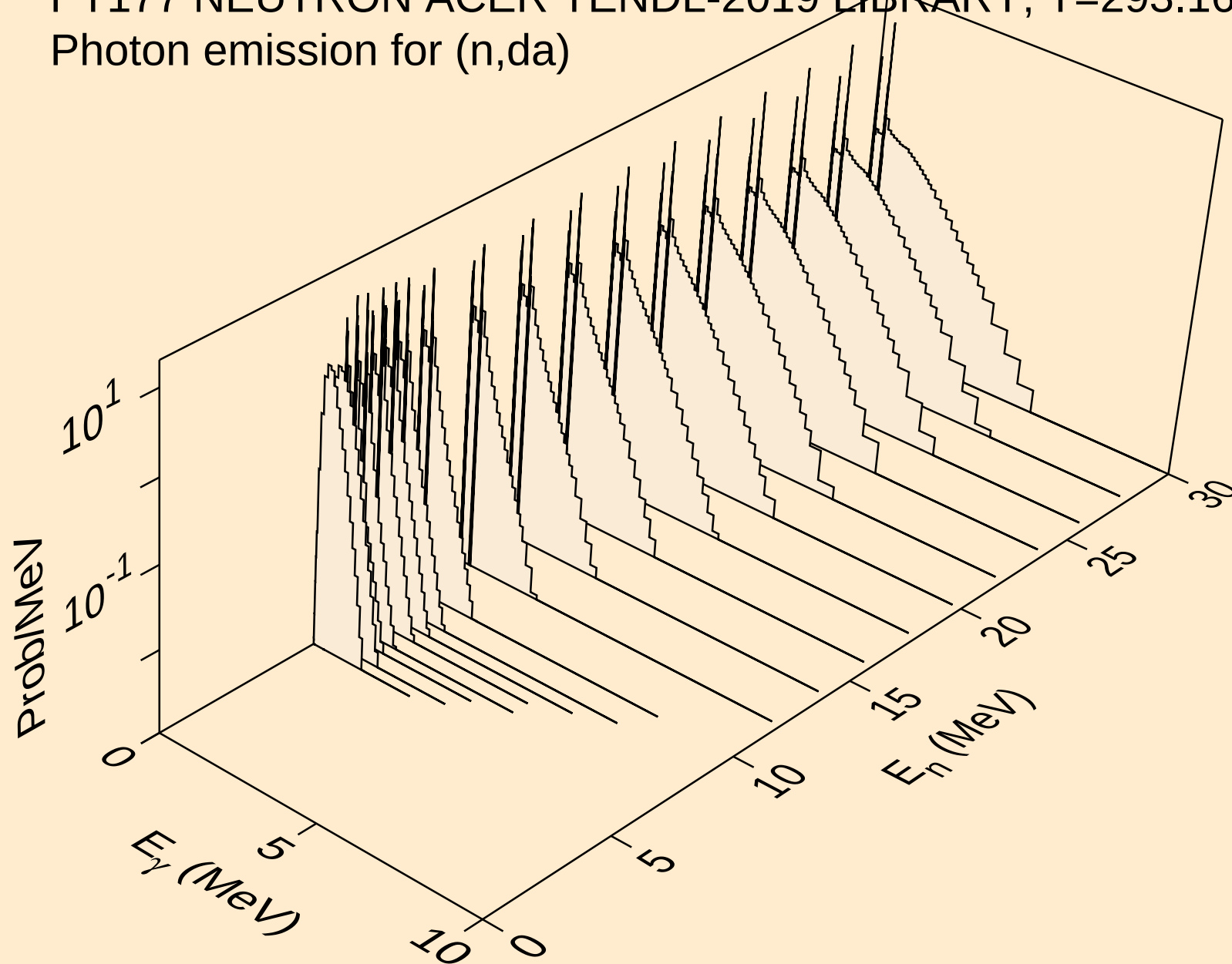
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



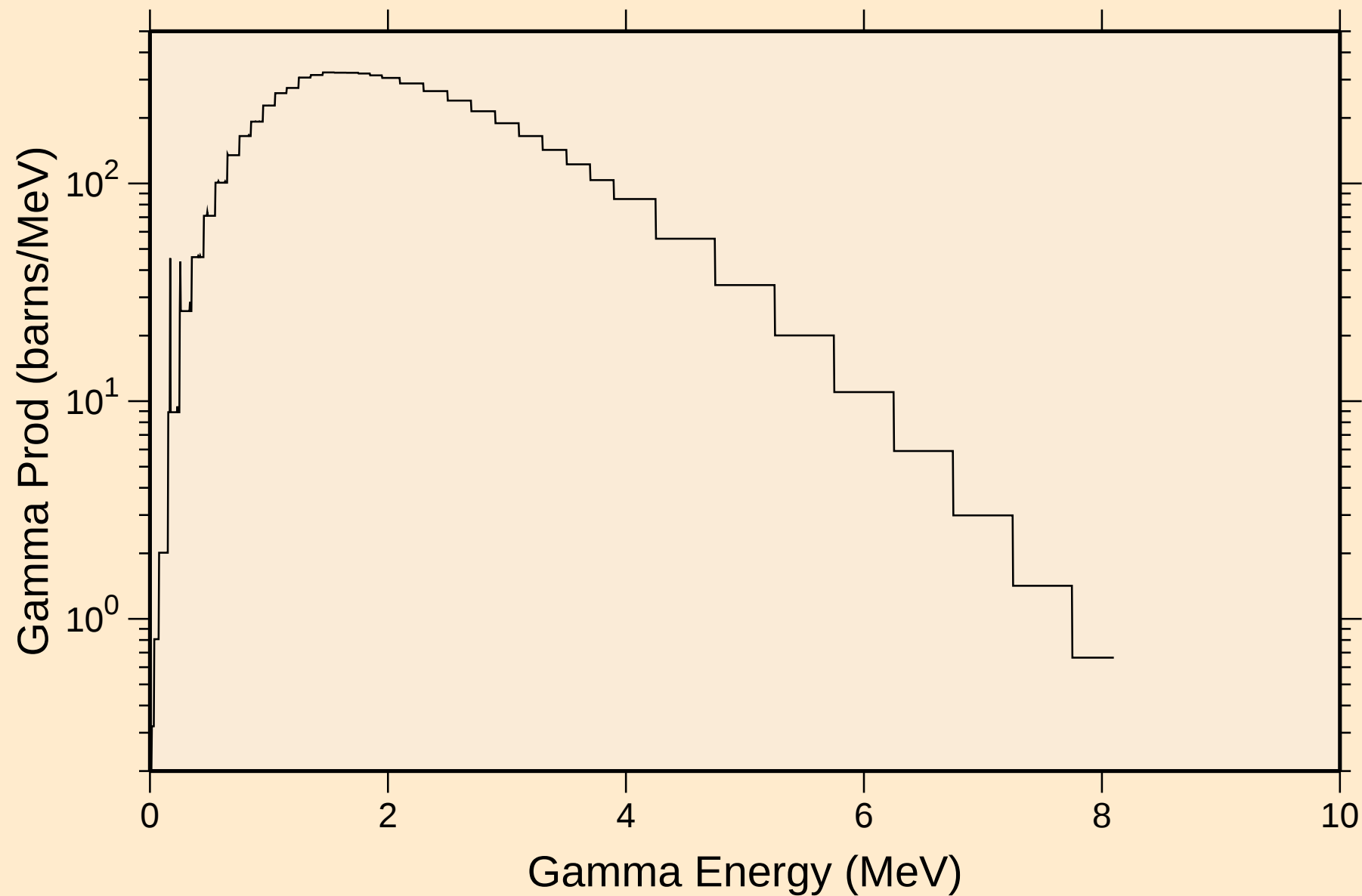
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)

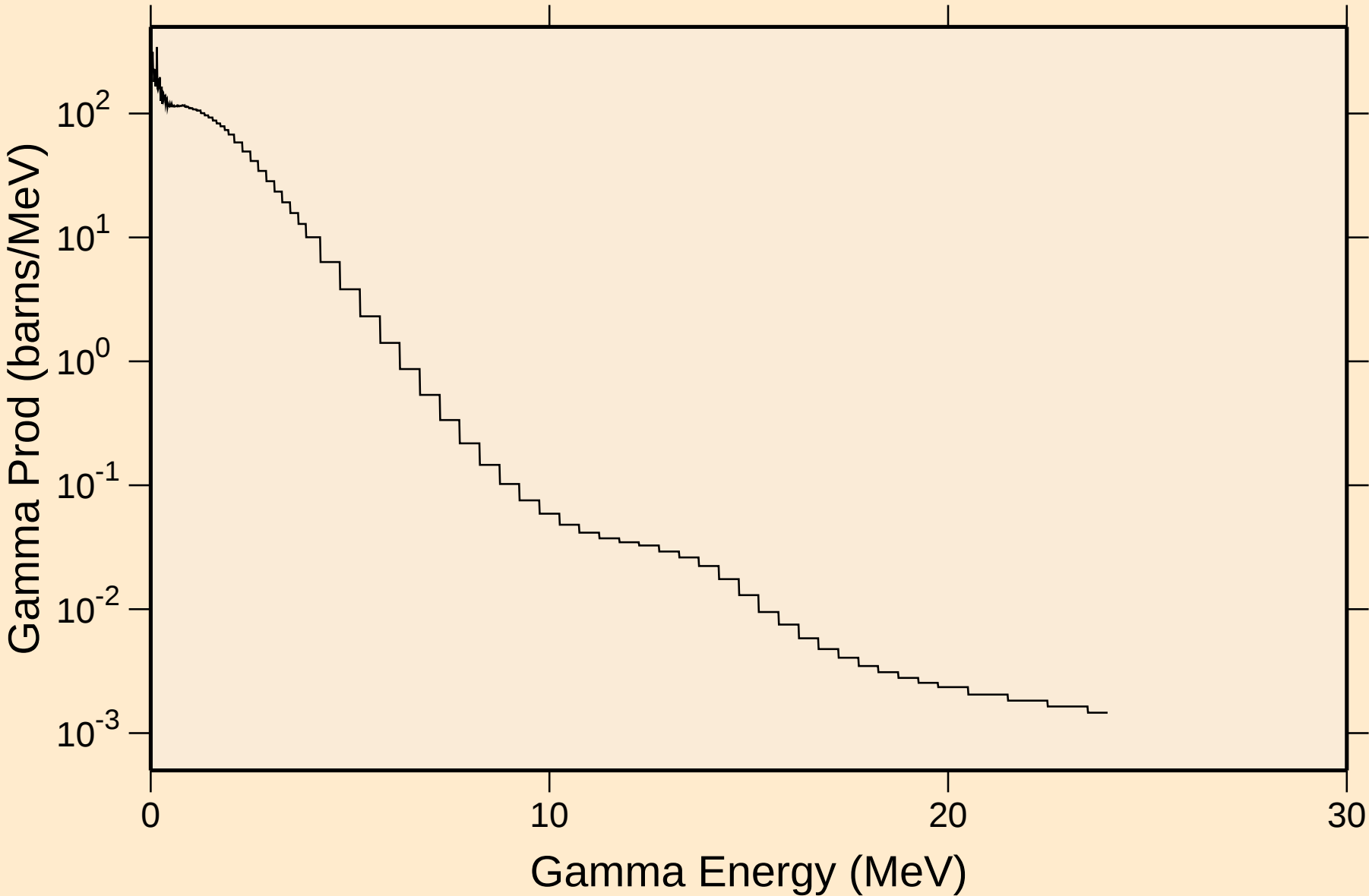


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

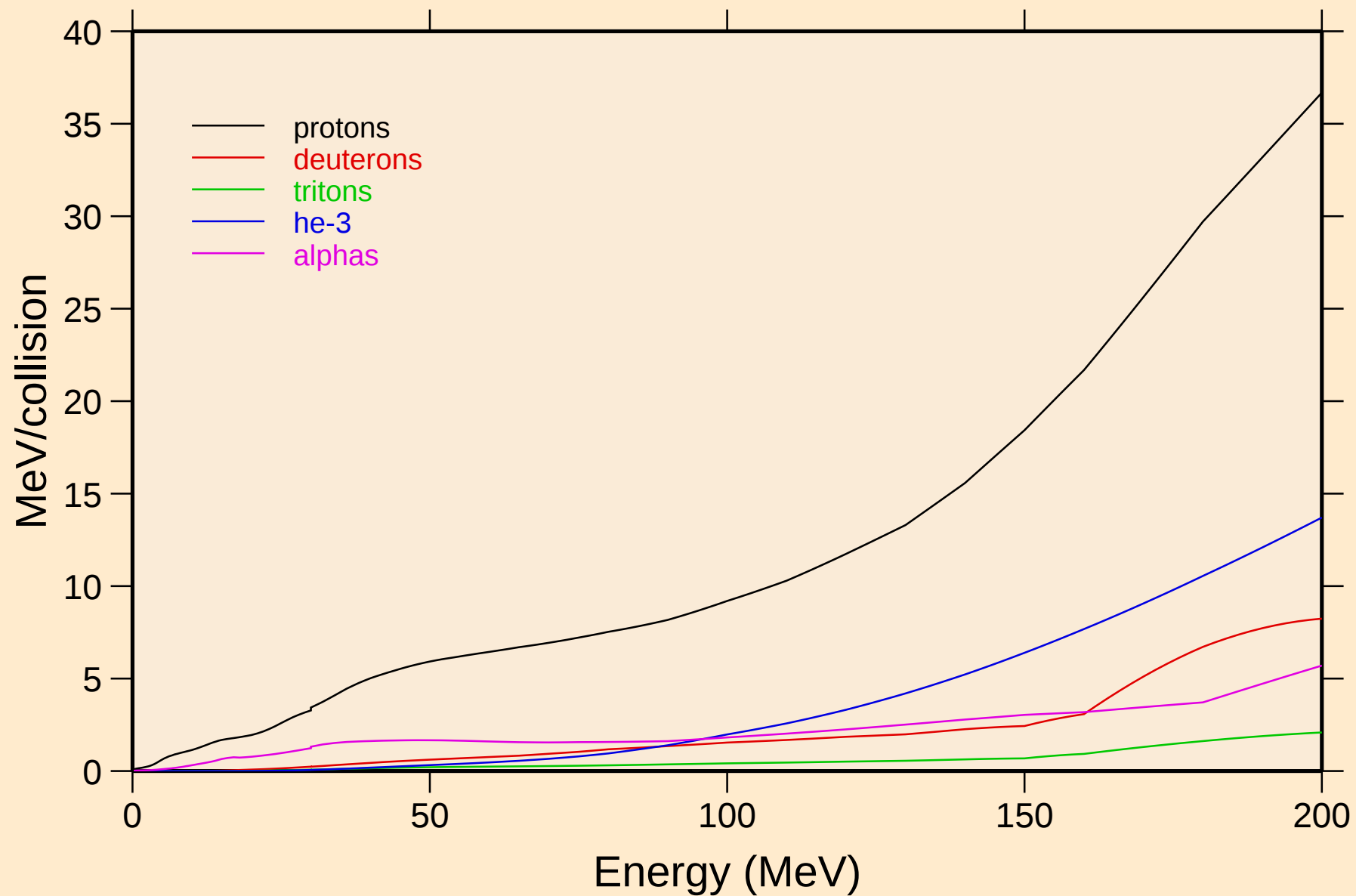


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

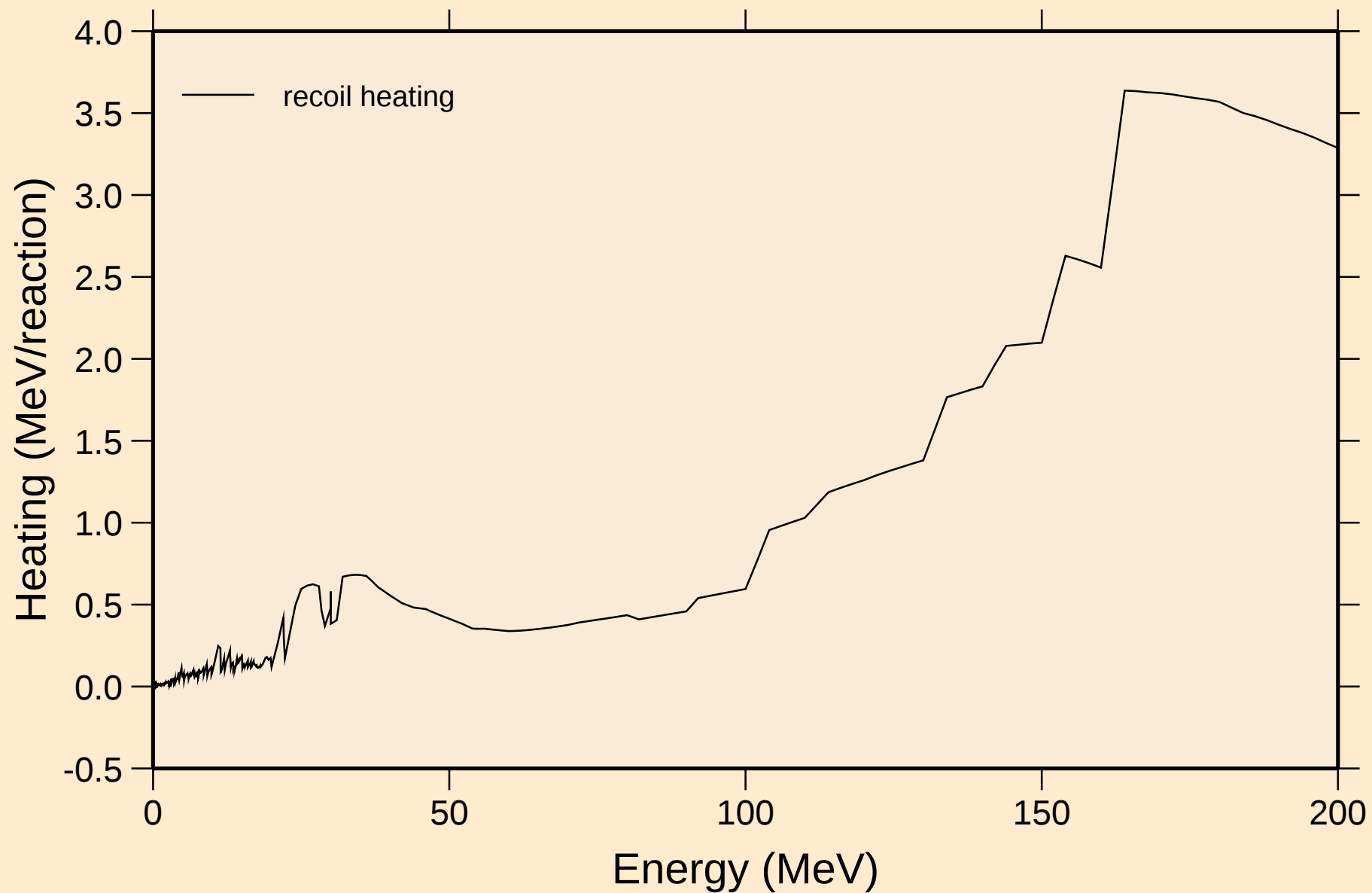
14 MeV photon spectrum



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle heating contributions

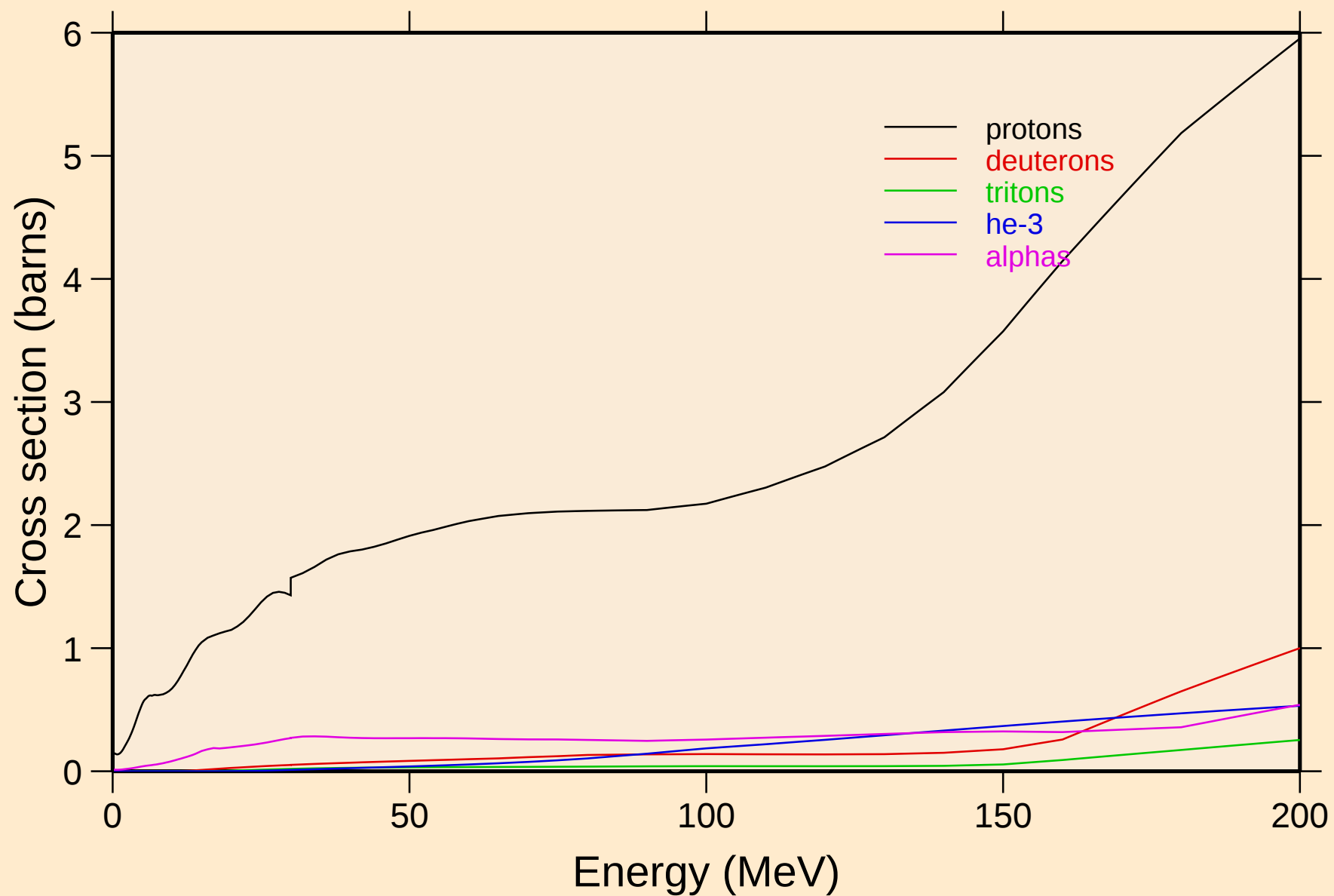


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

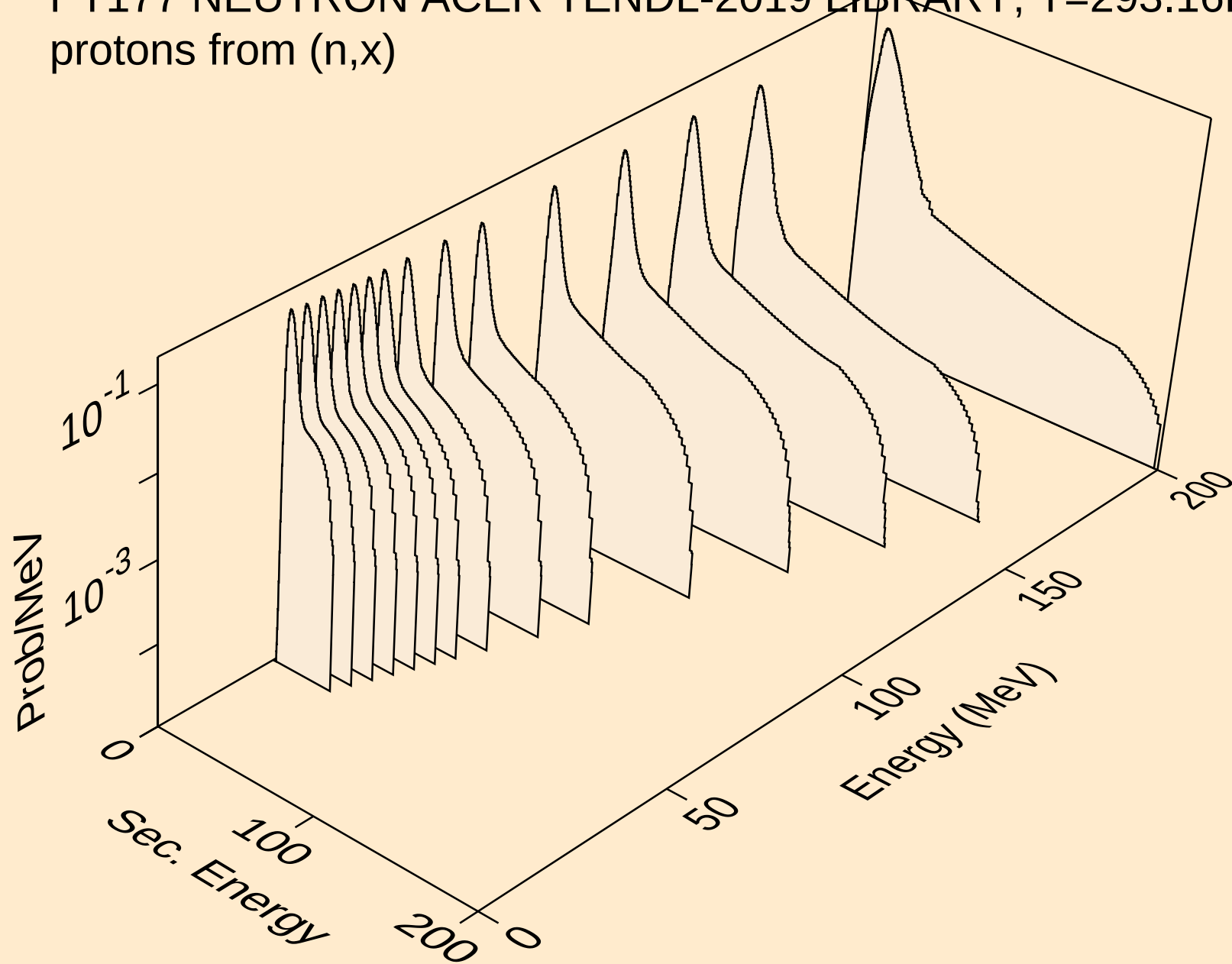


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

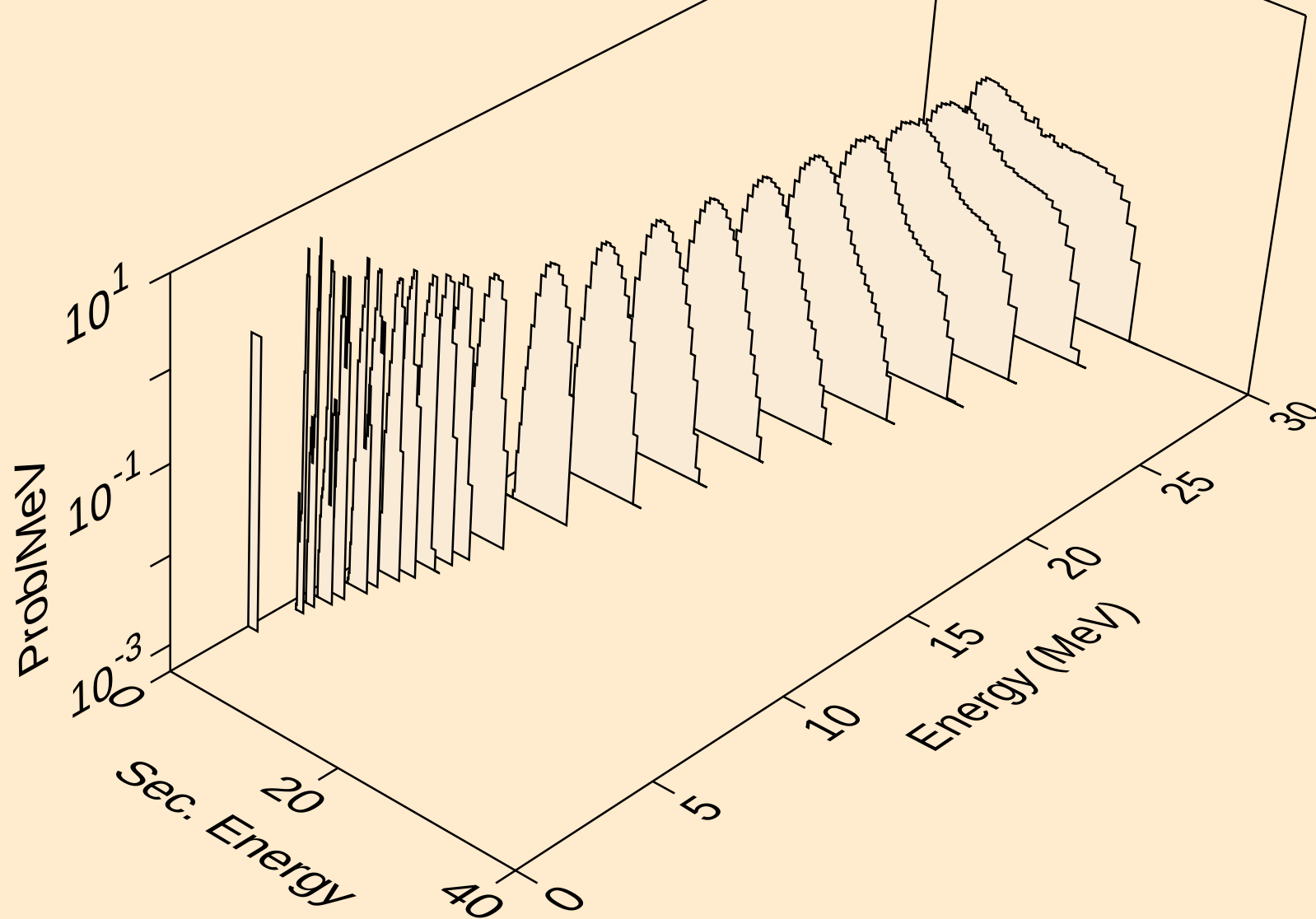
Particle production cross sections



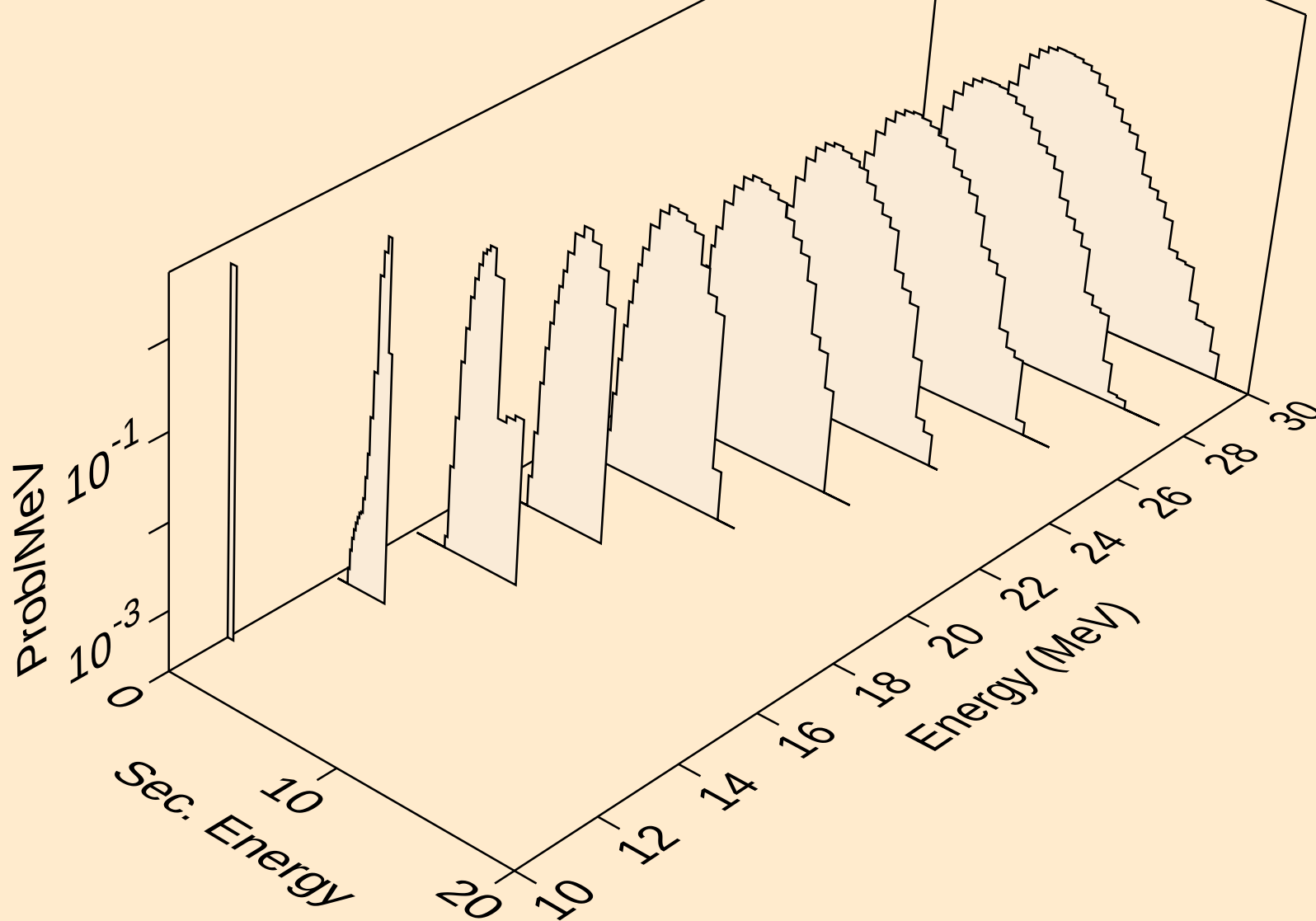
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



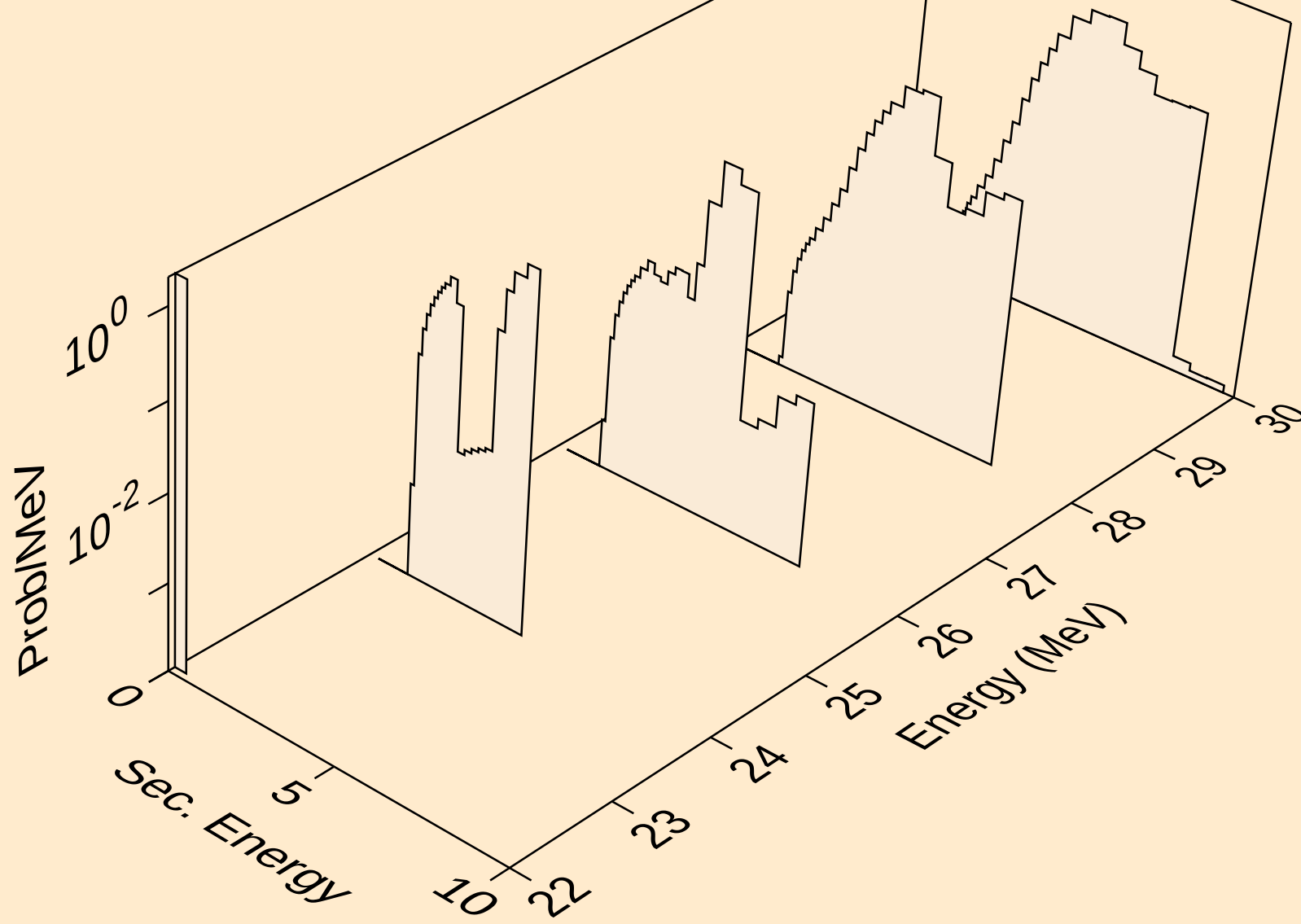
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



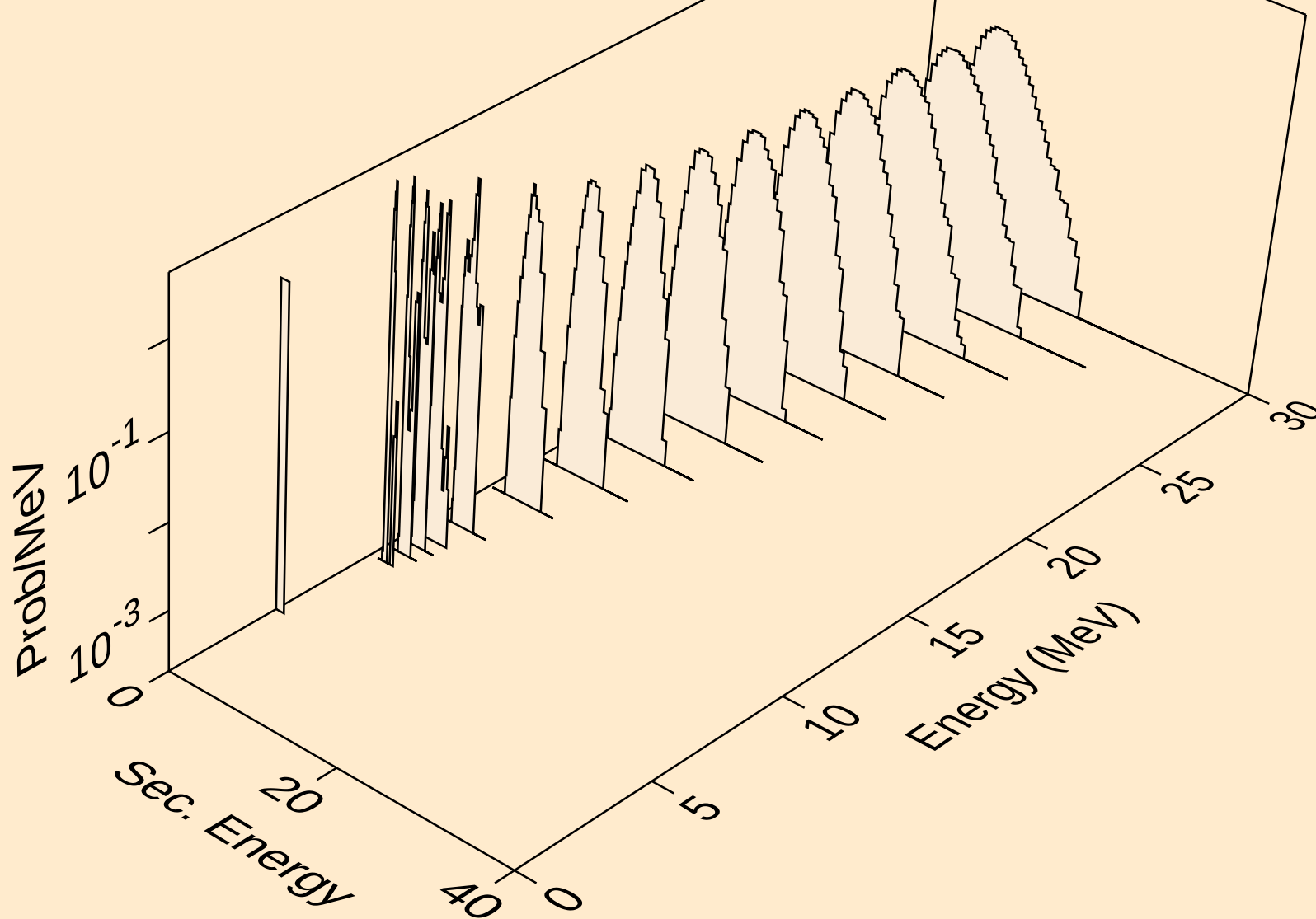
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



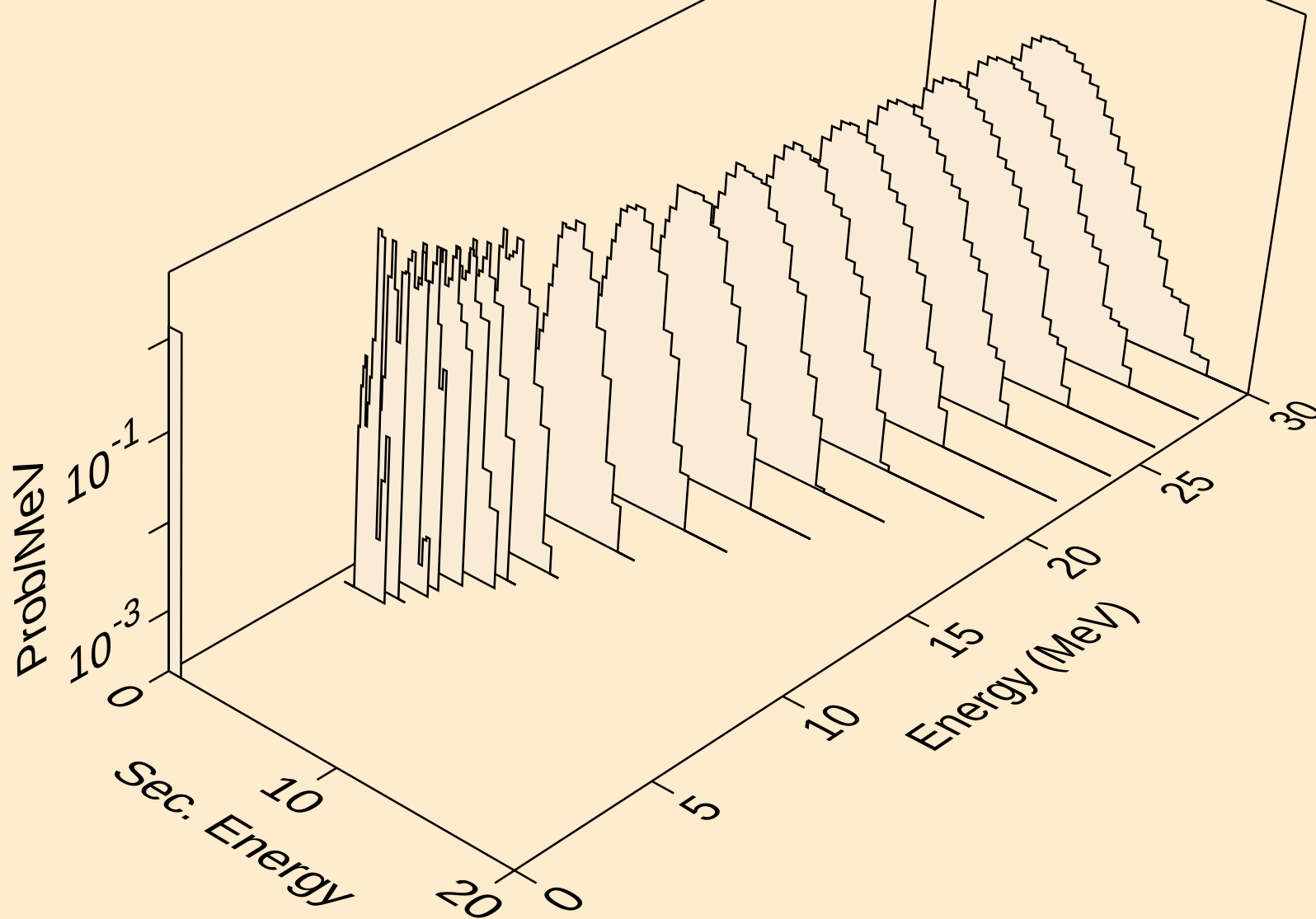
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



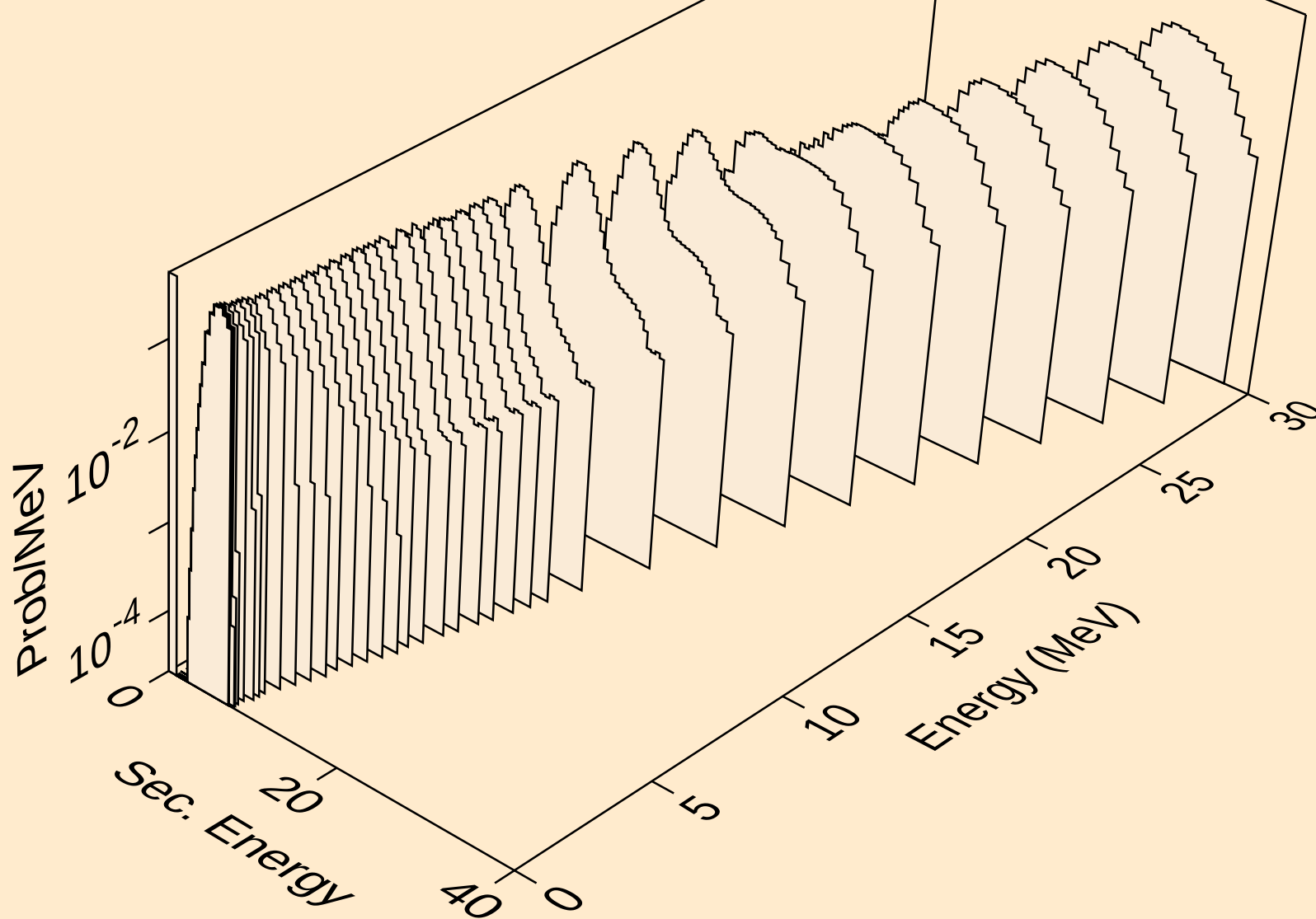
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



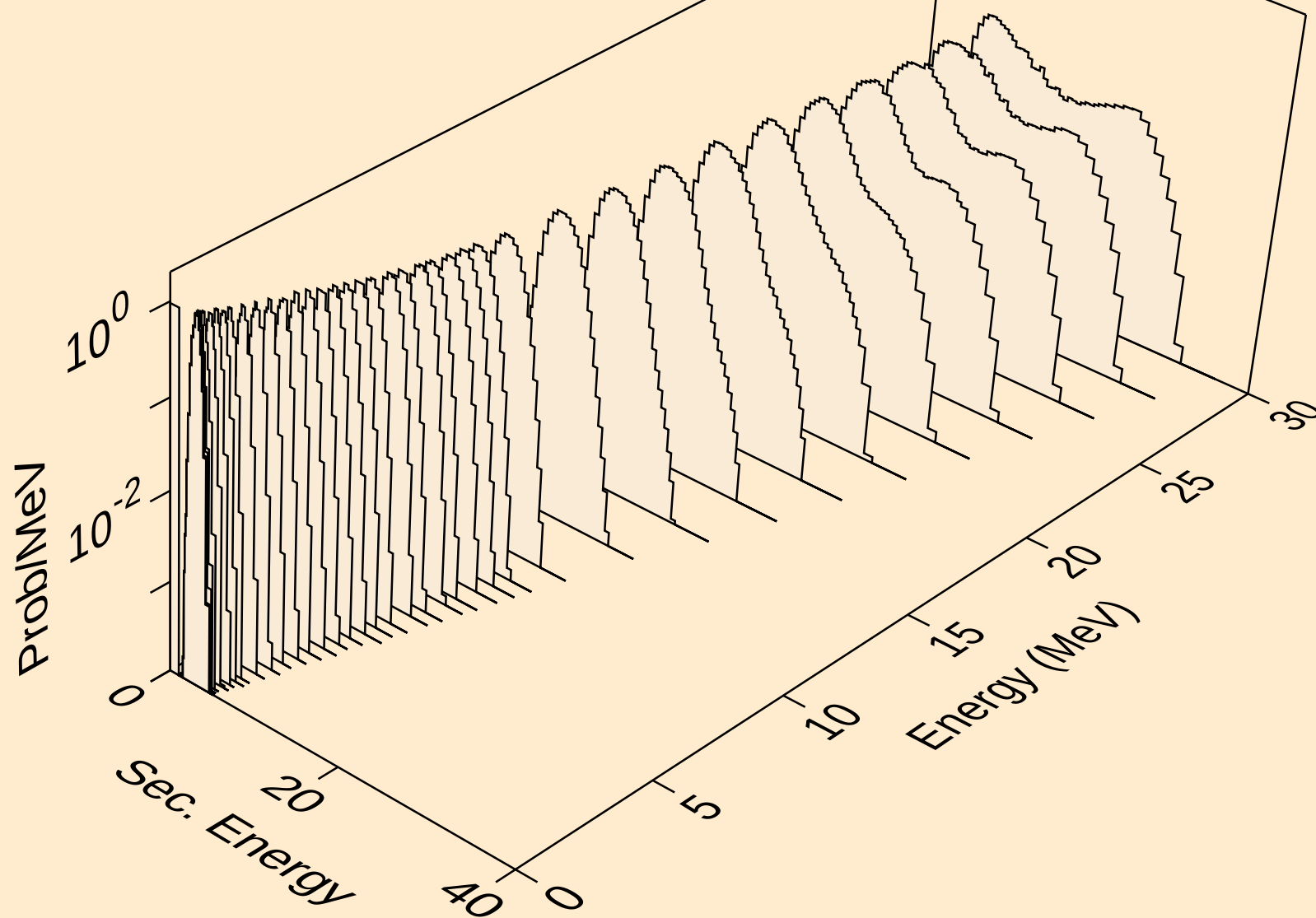
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



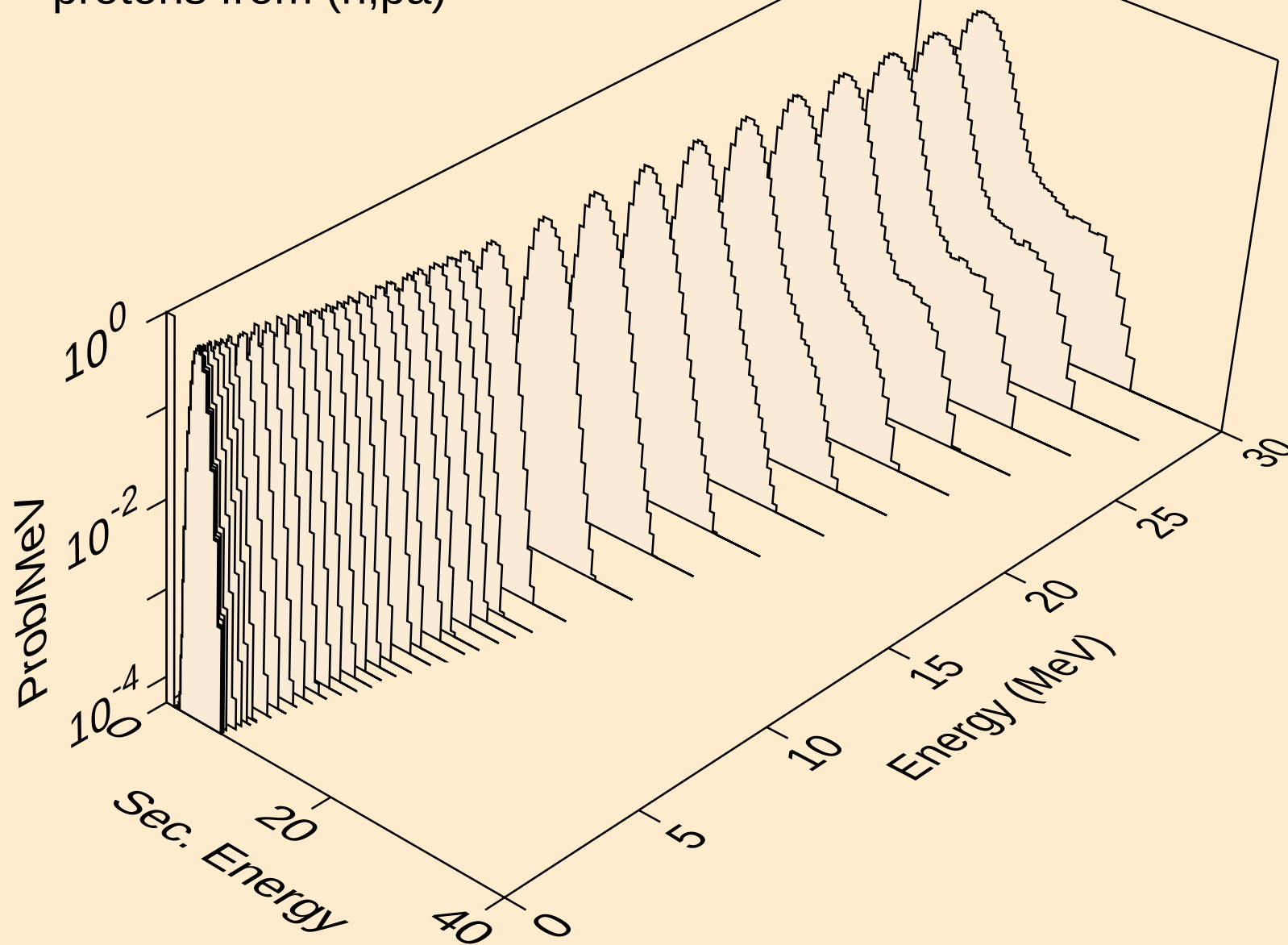
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



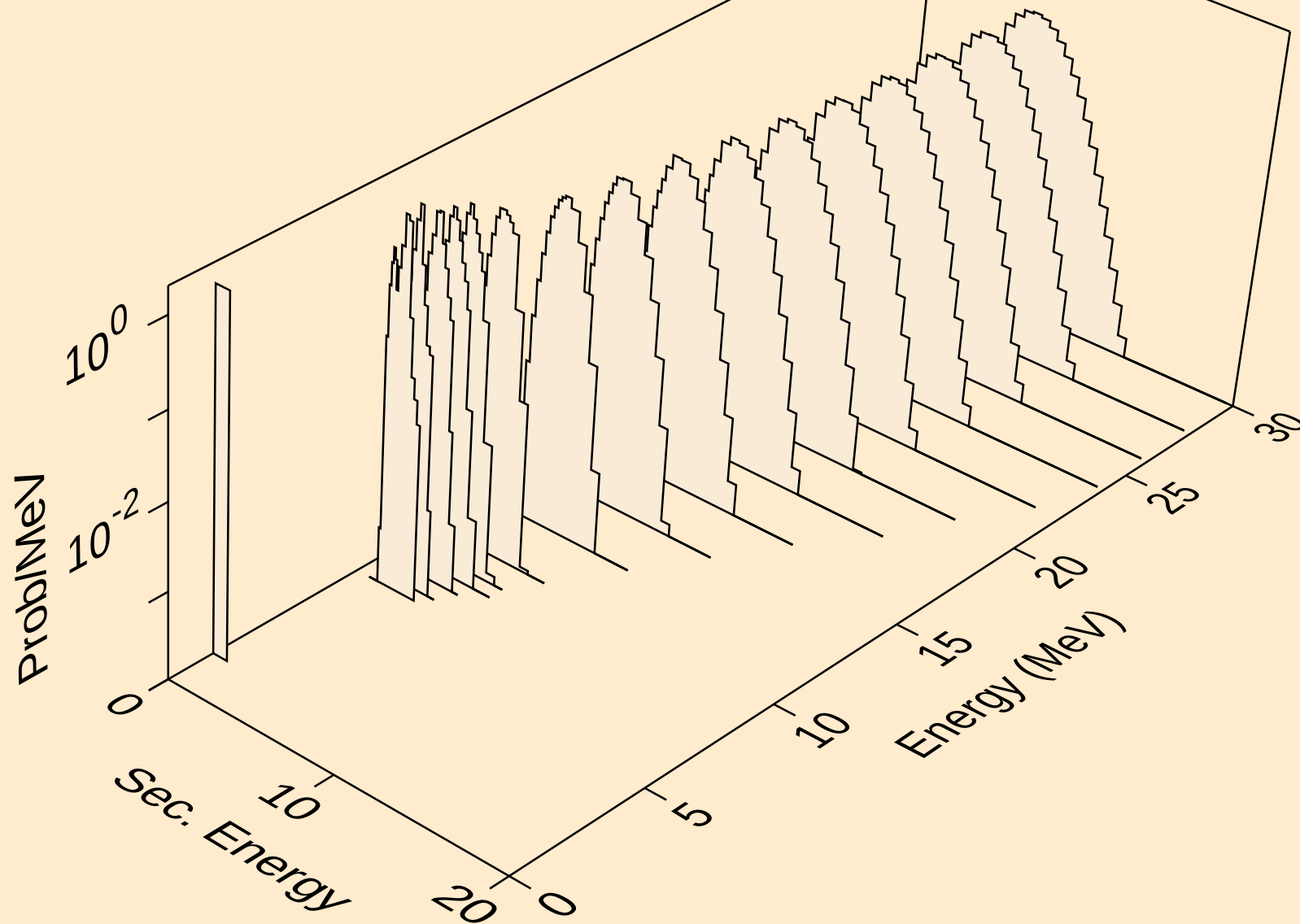
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



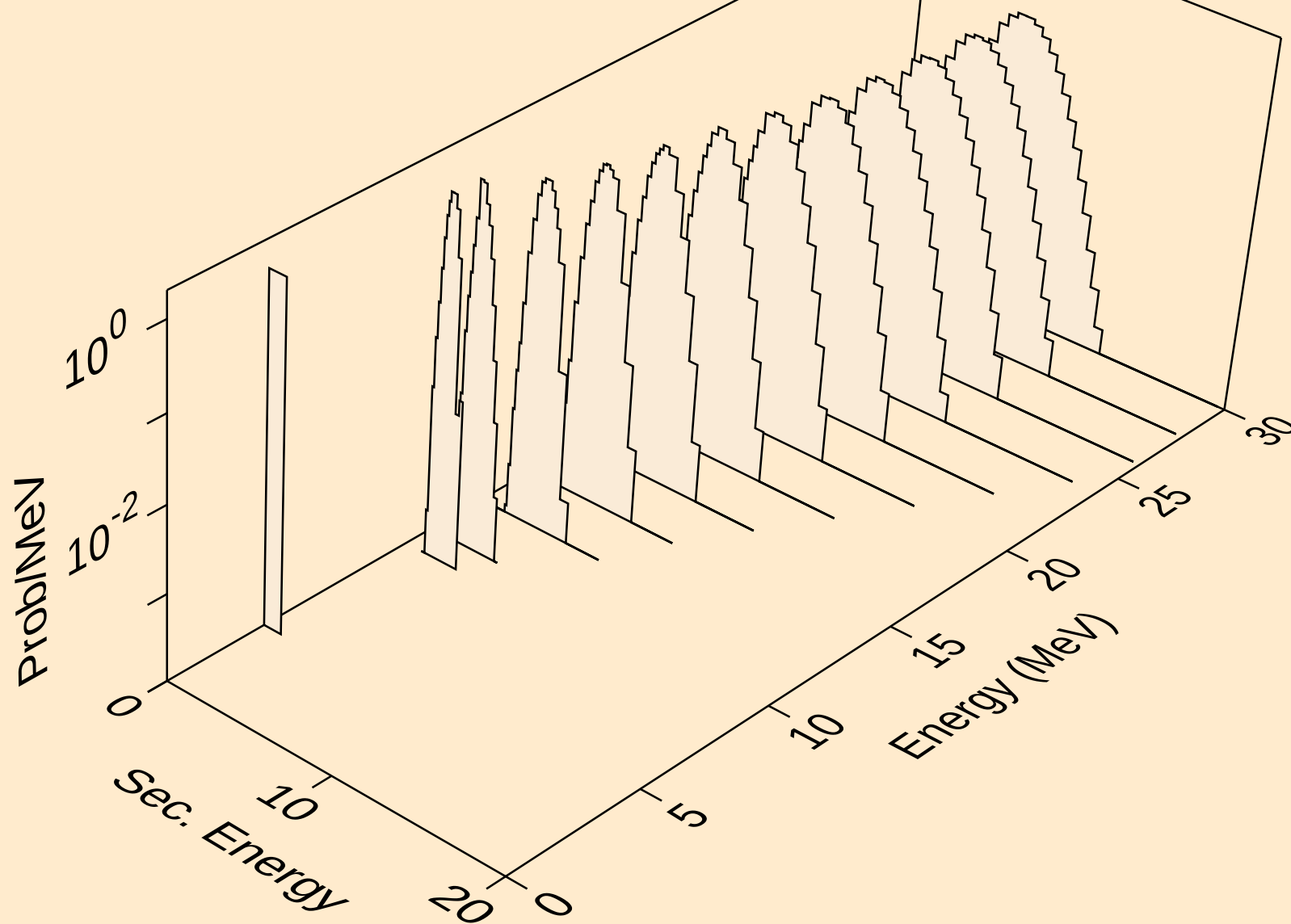
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



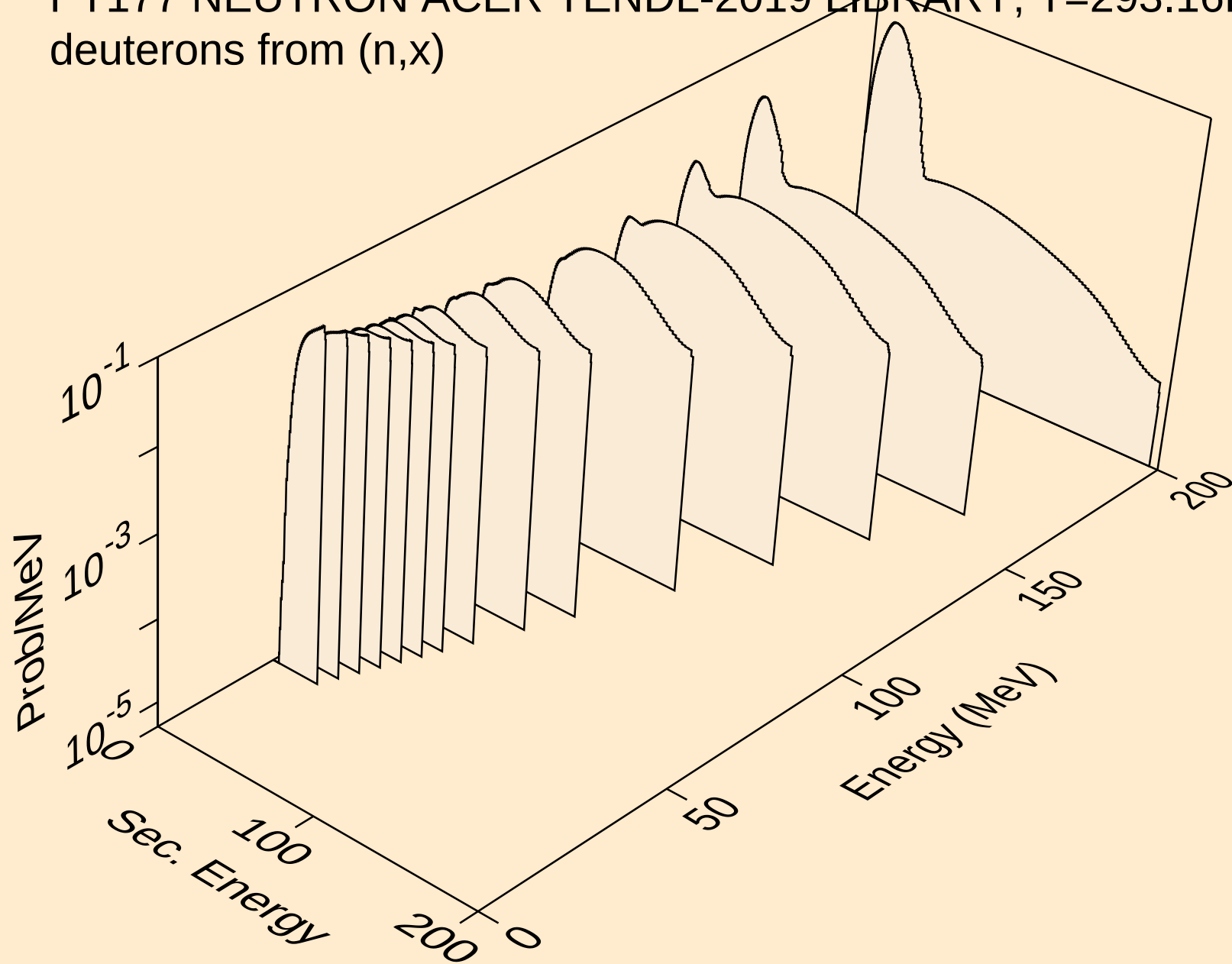
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



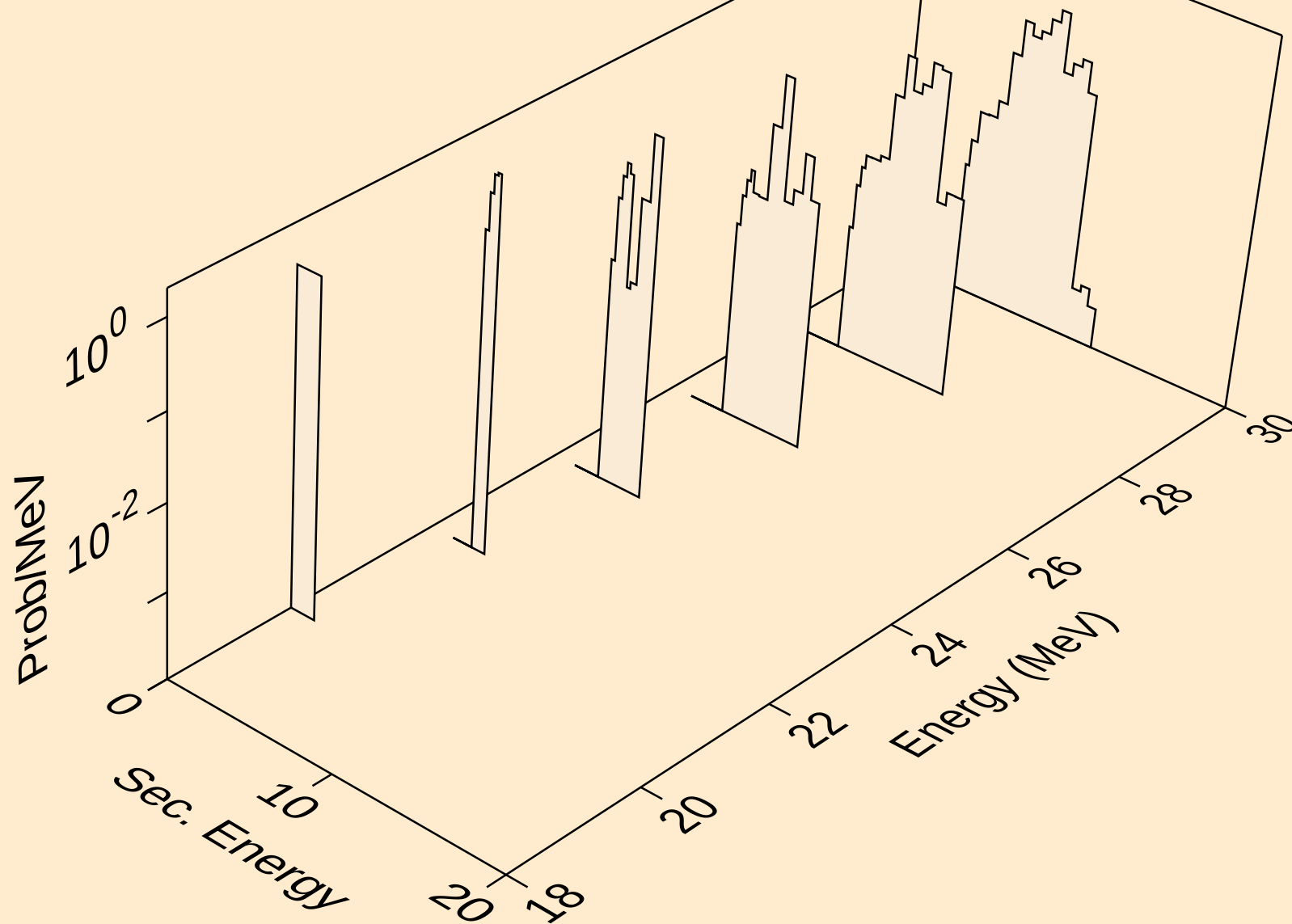
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



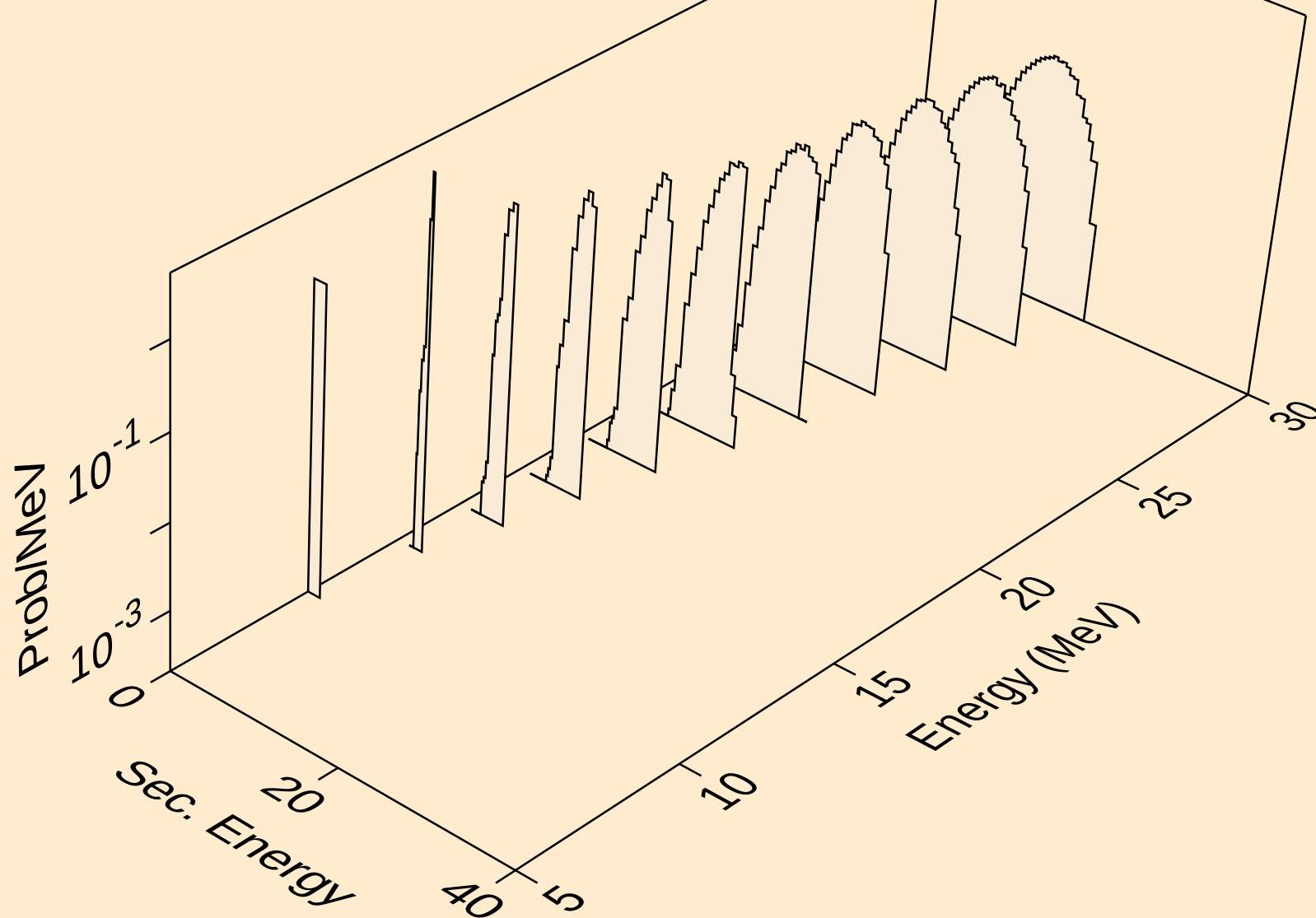
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



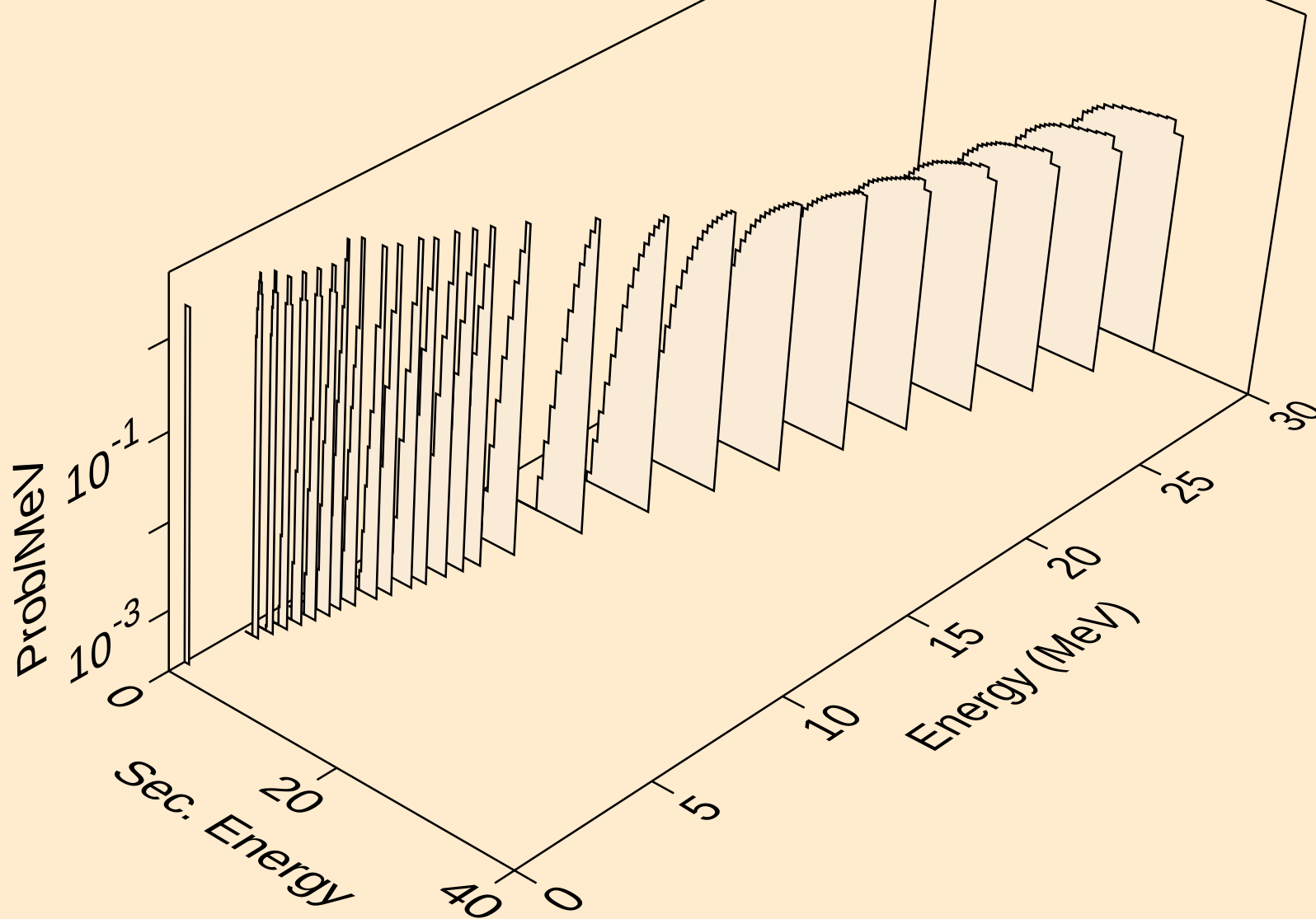
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



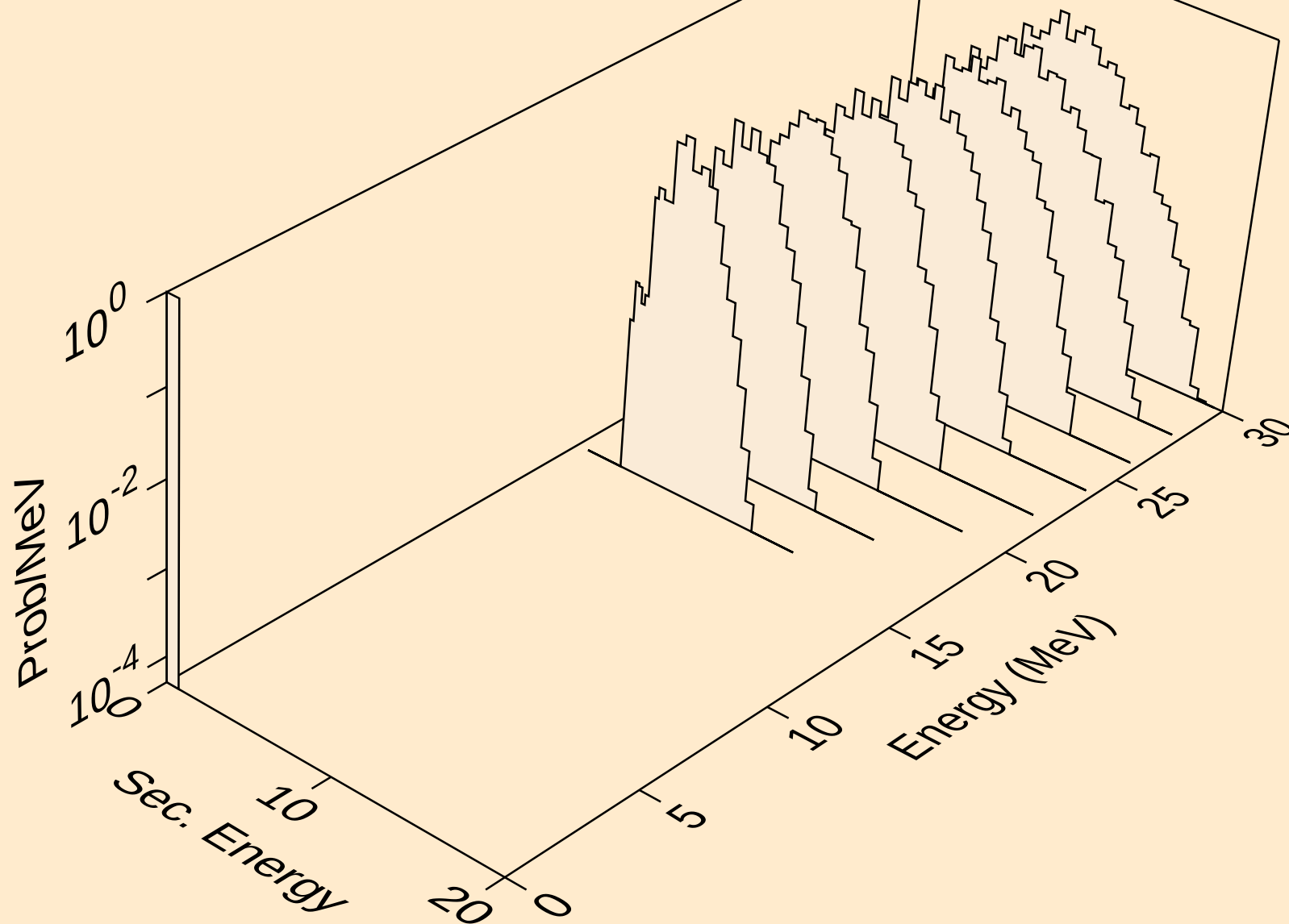
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



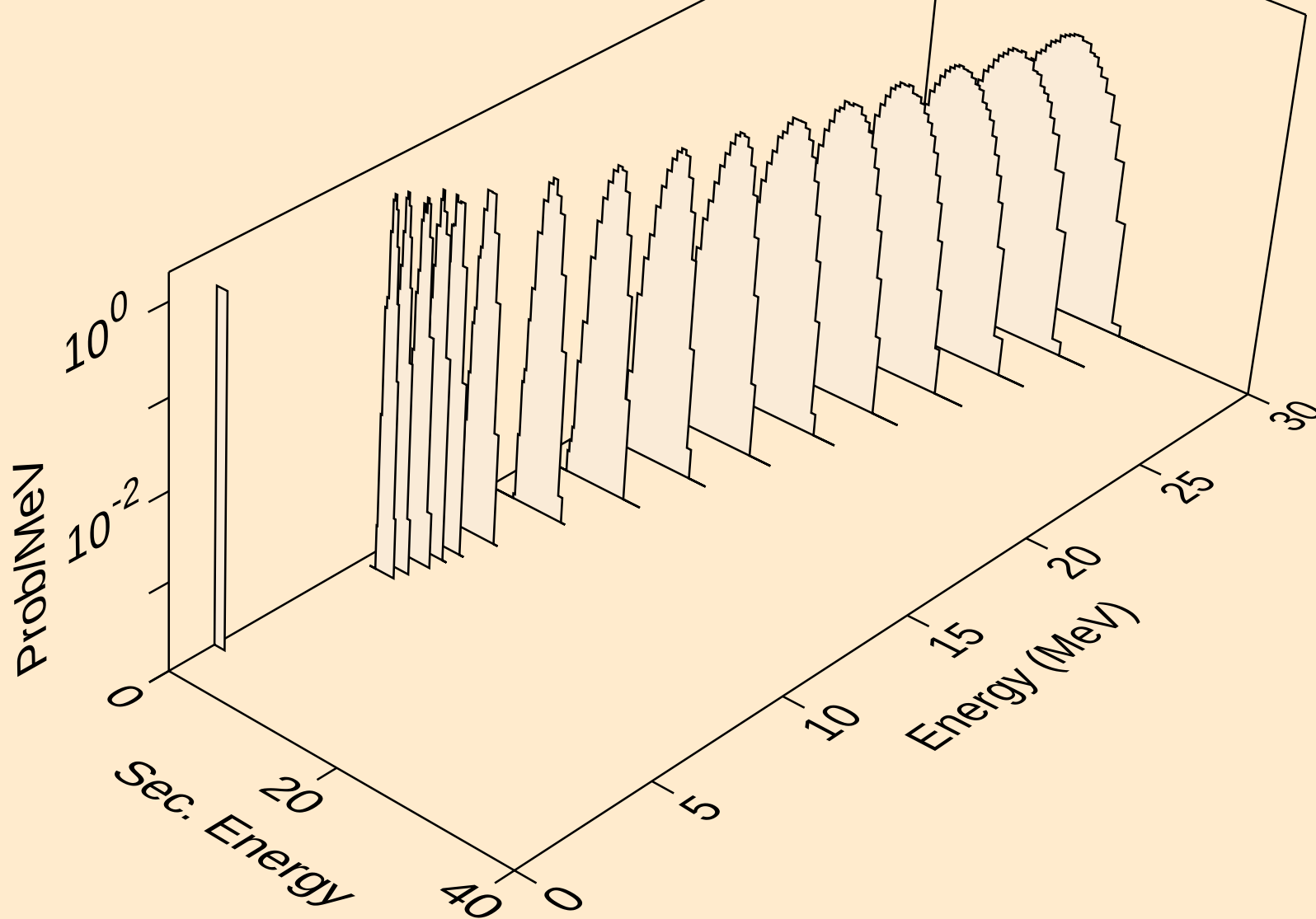
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



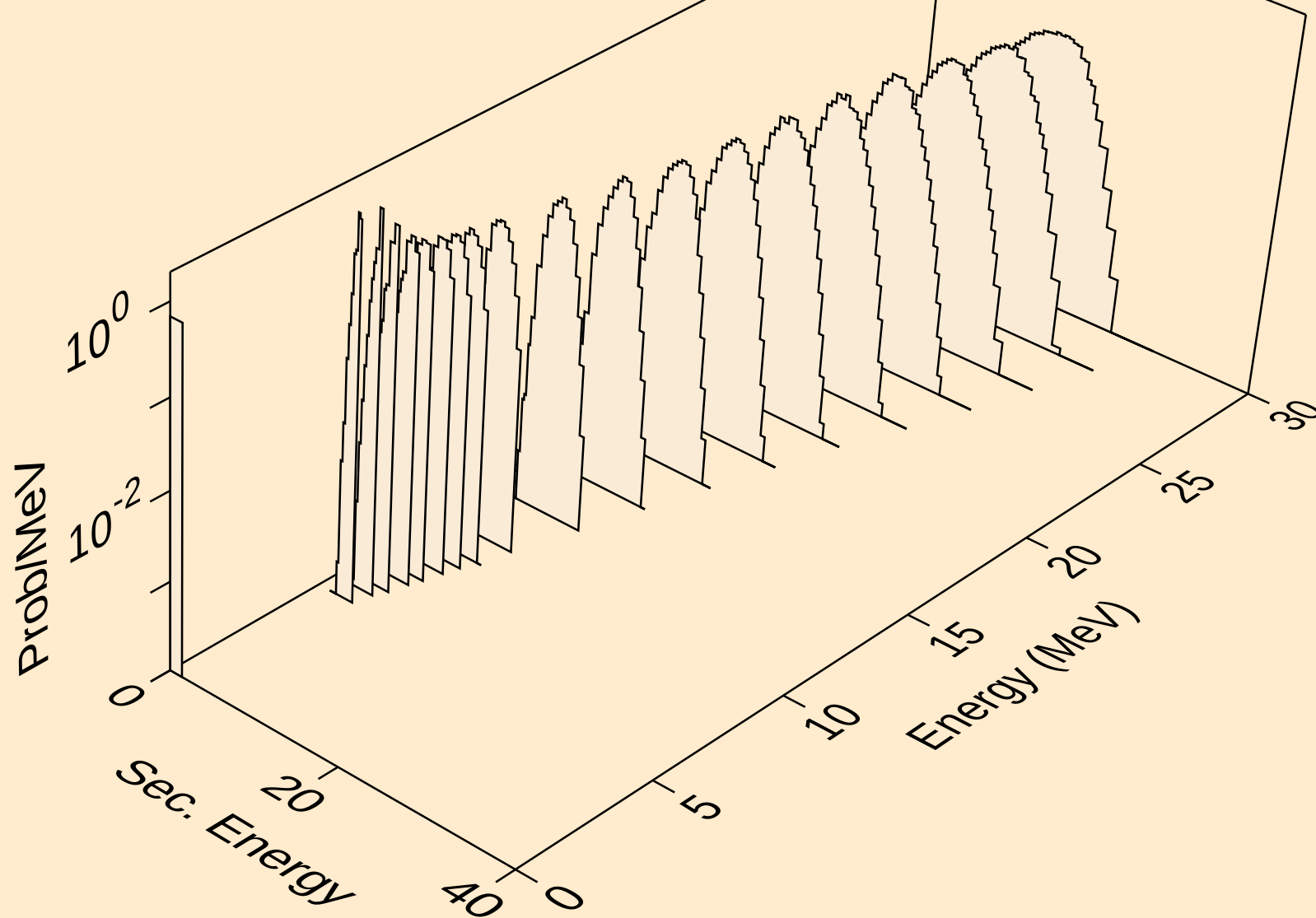
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d2a)



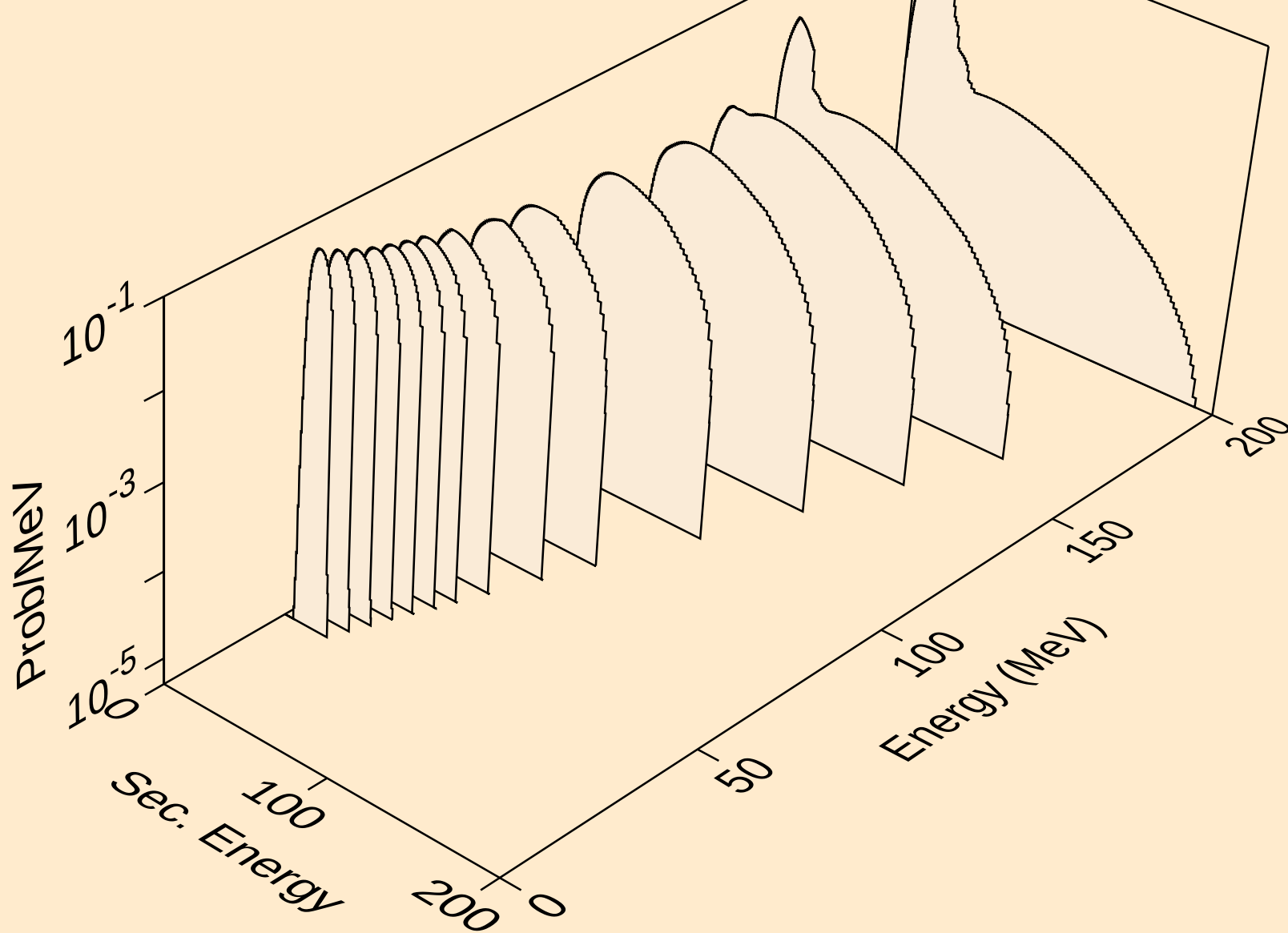
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



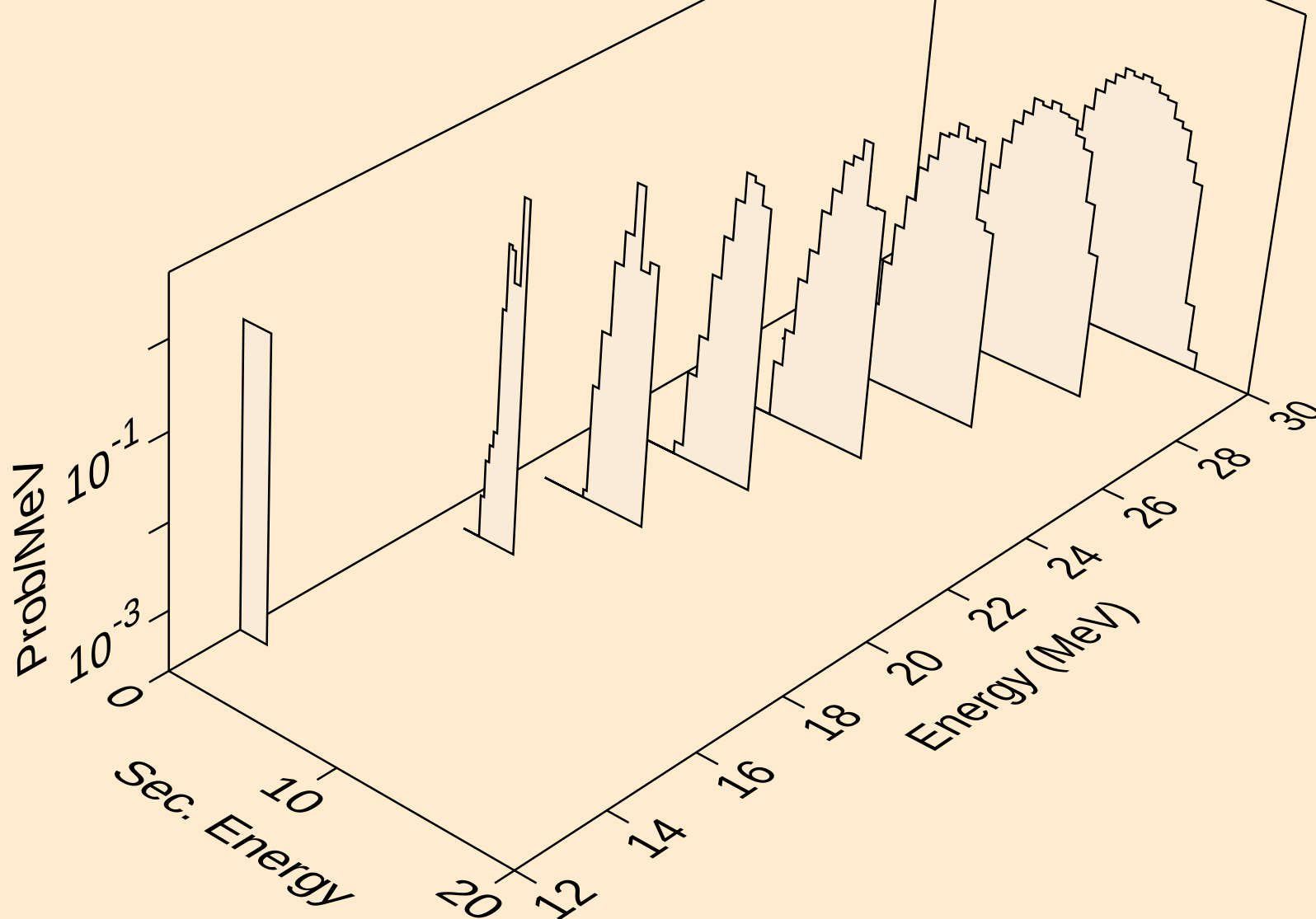
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



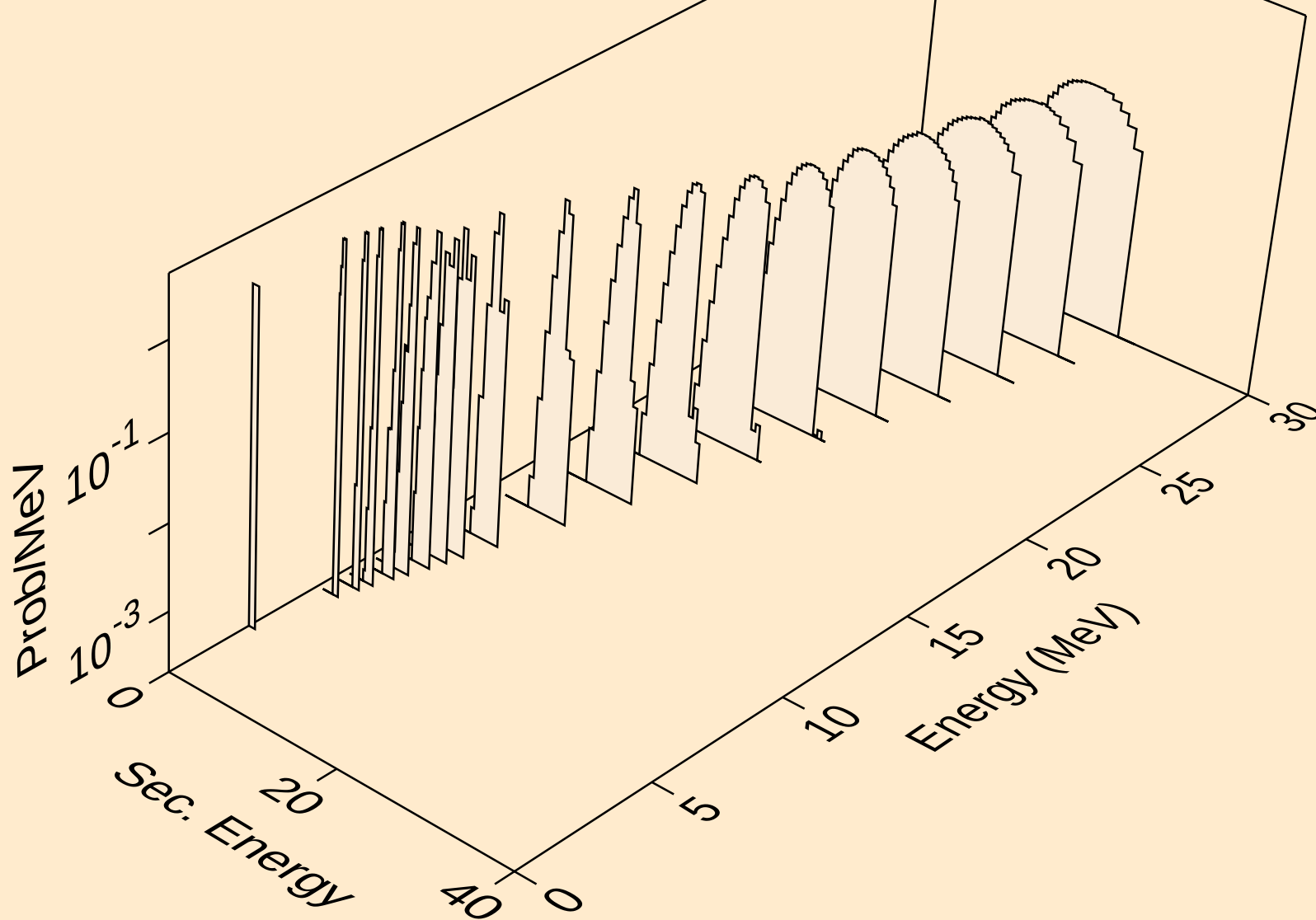
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



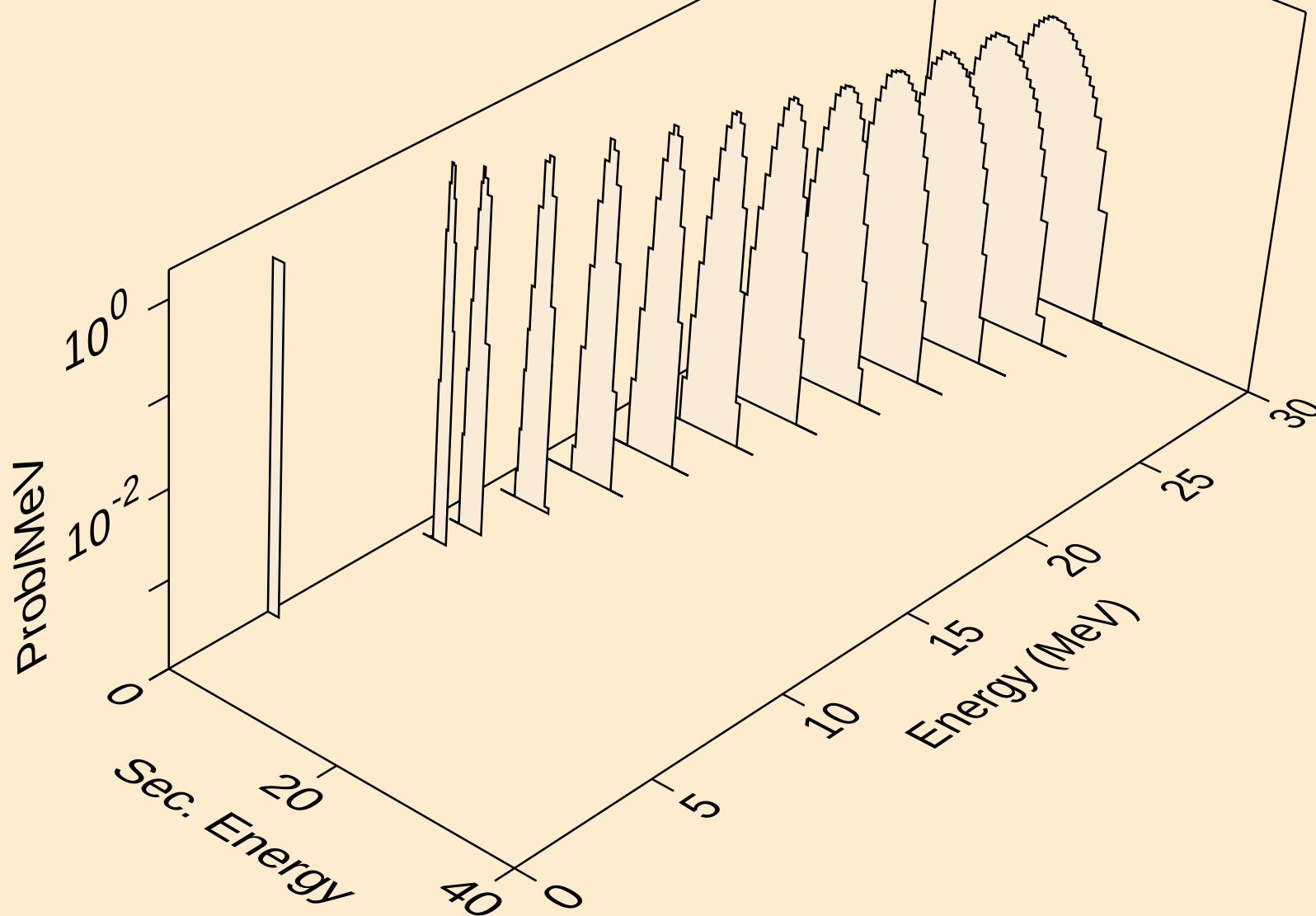
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)

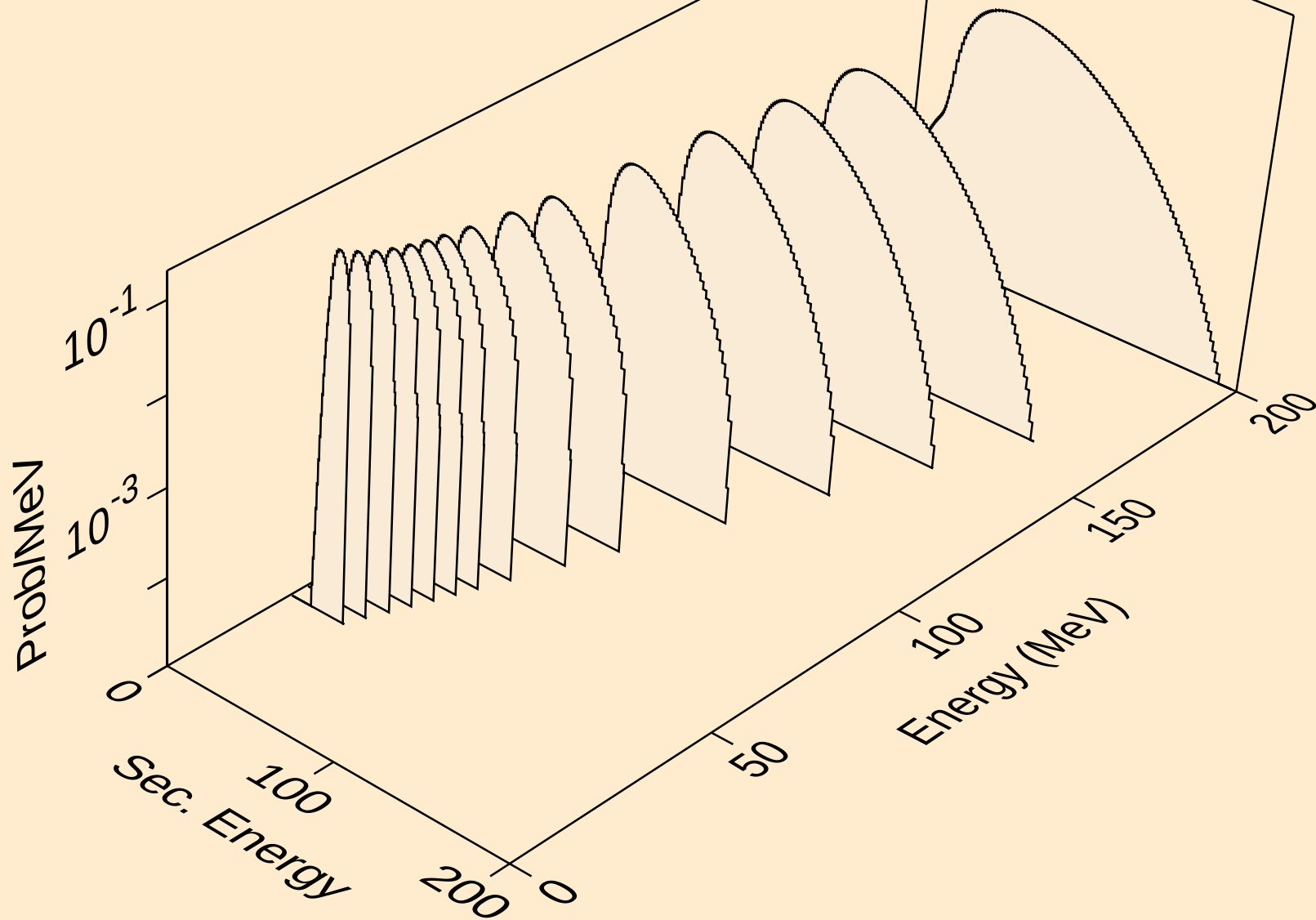


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)

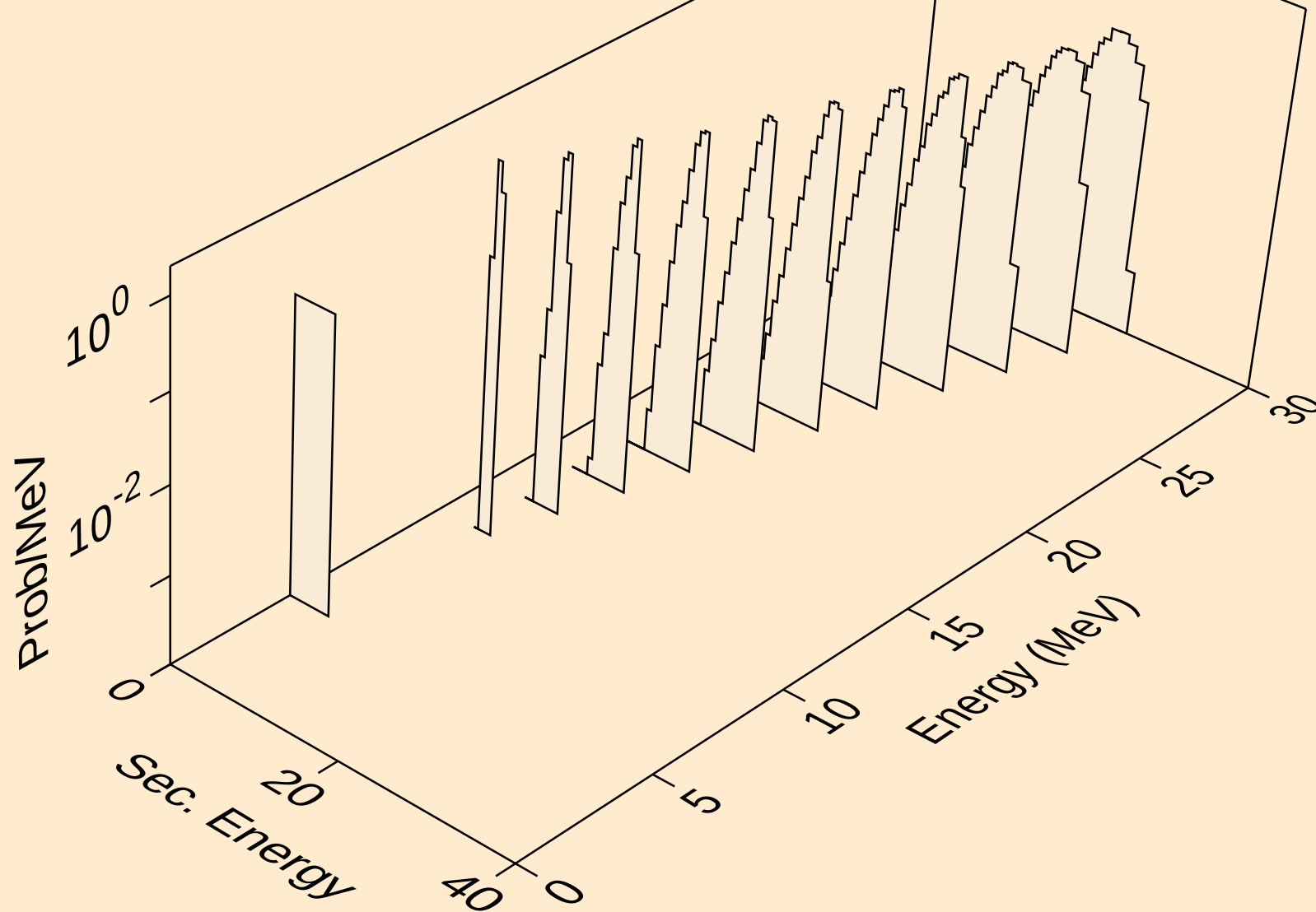


PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

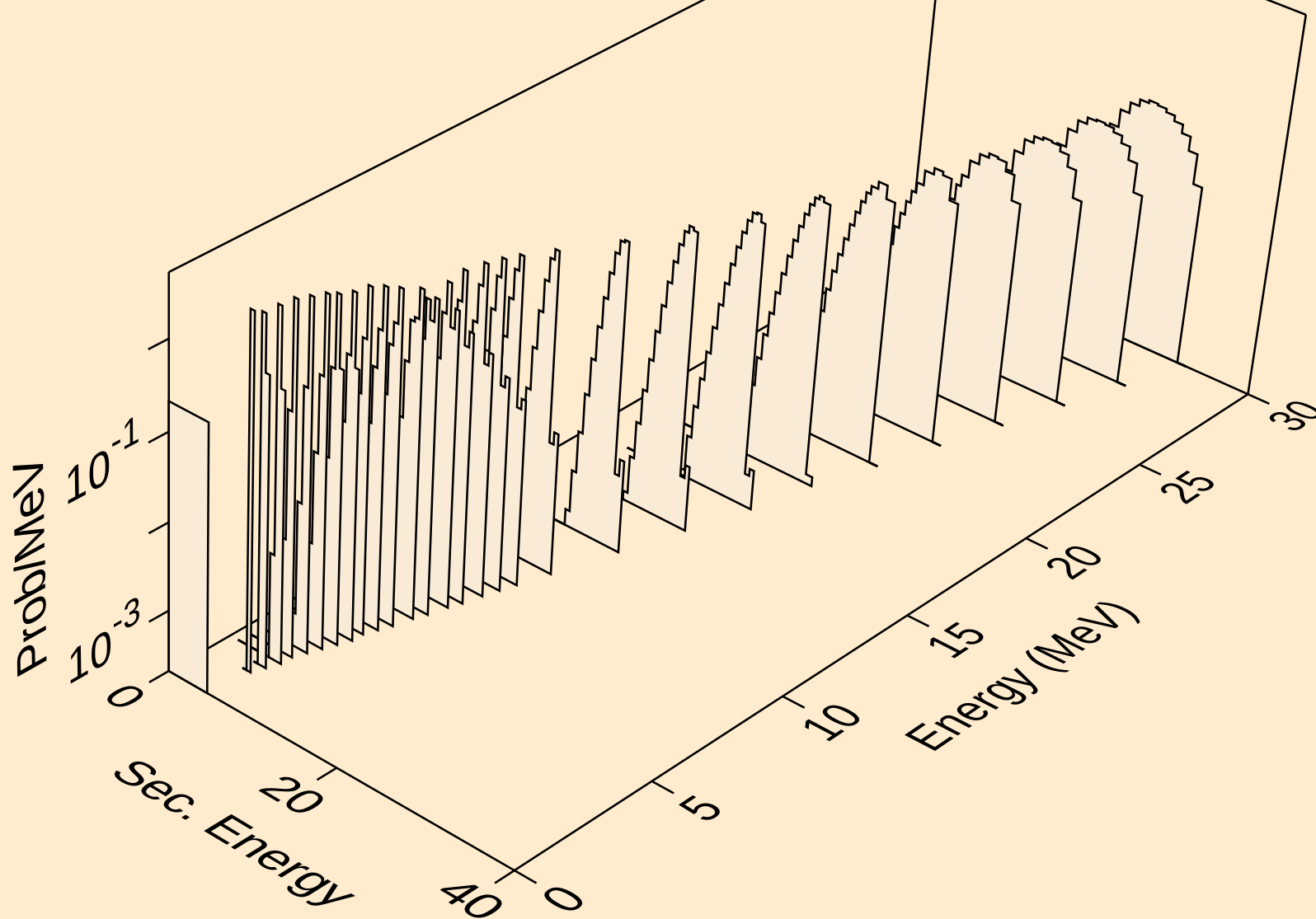
he3s from (n,x)



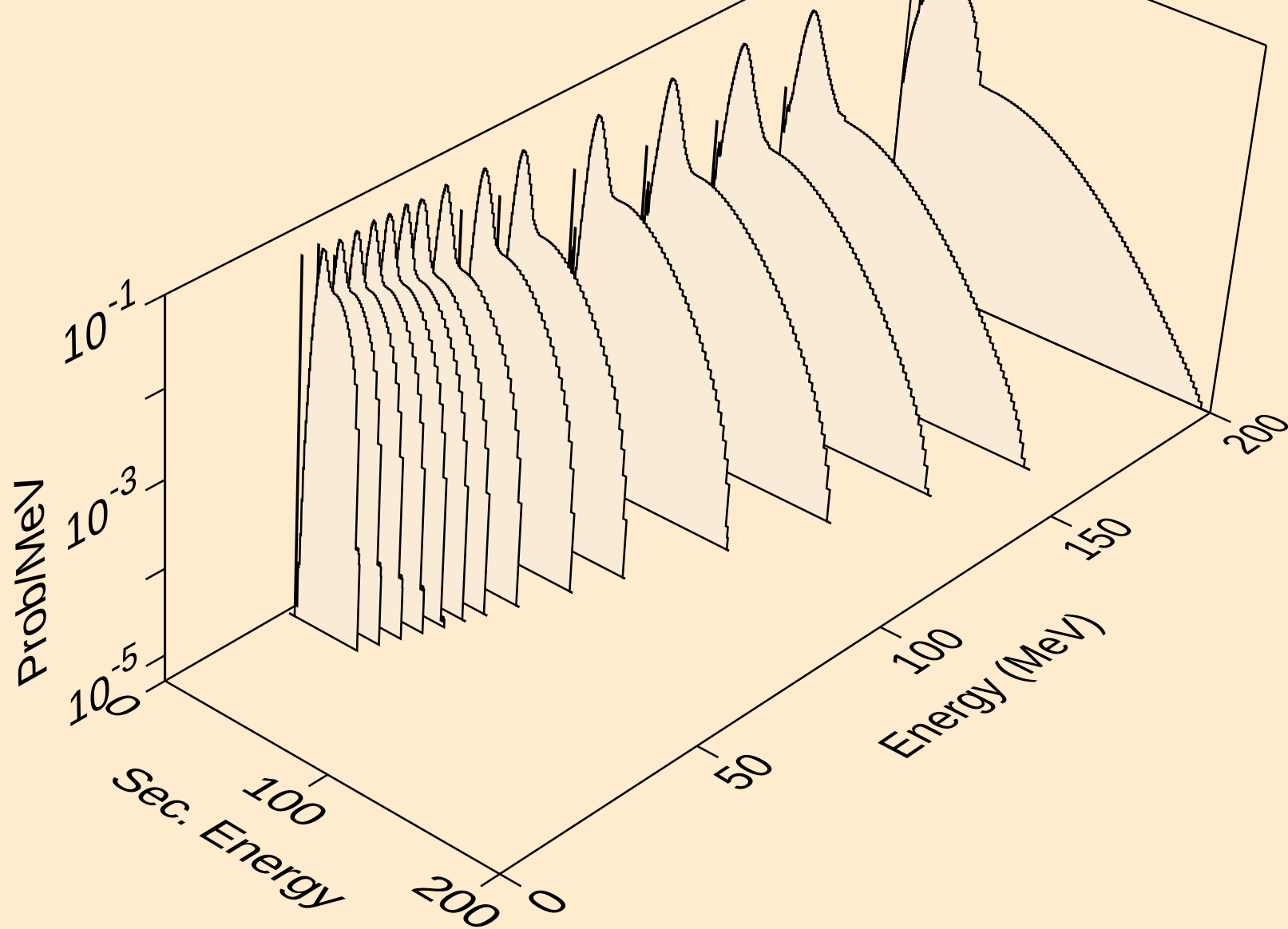
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



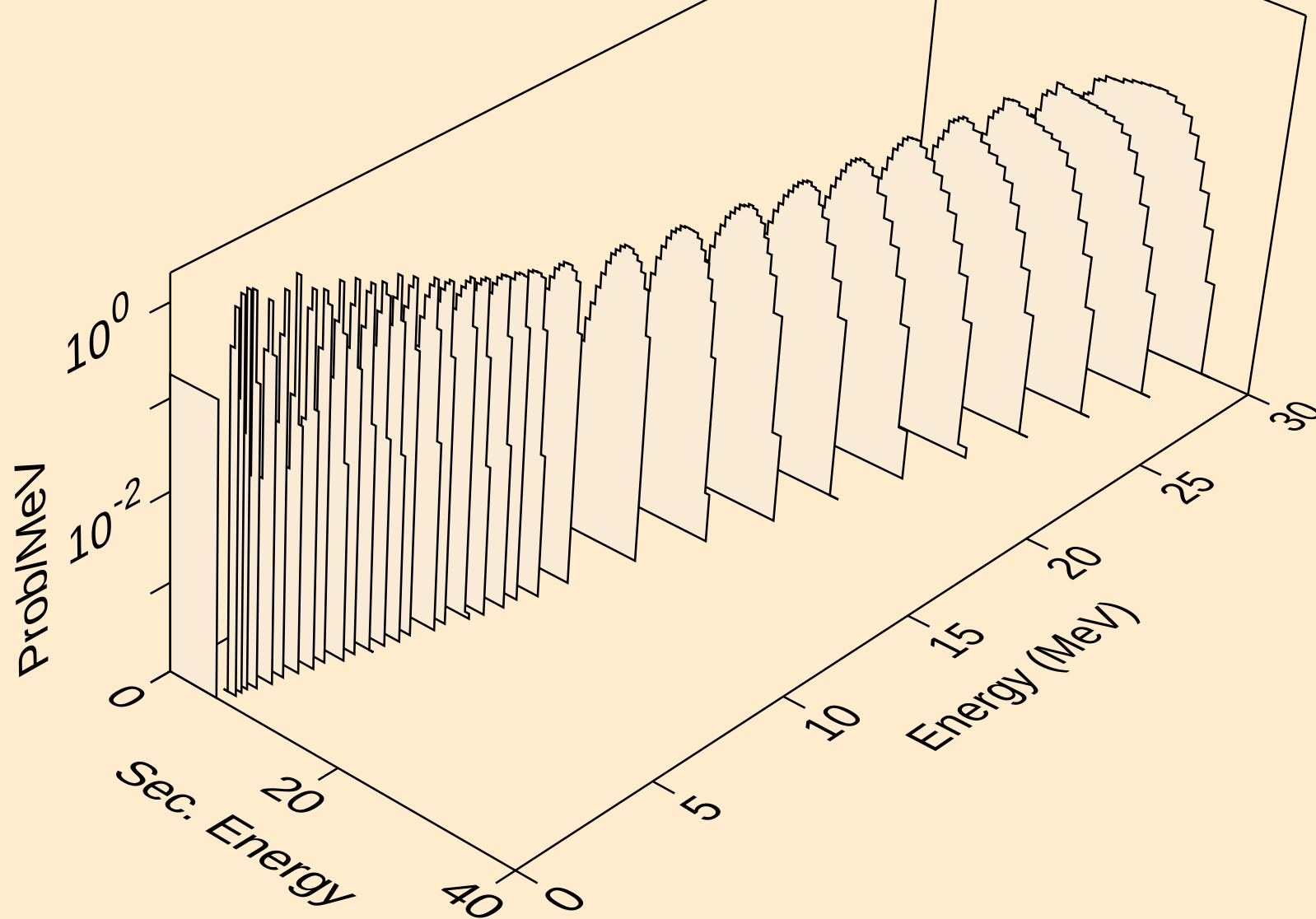
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



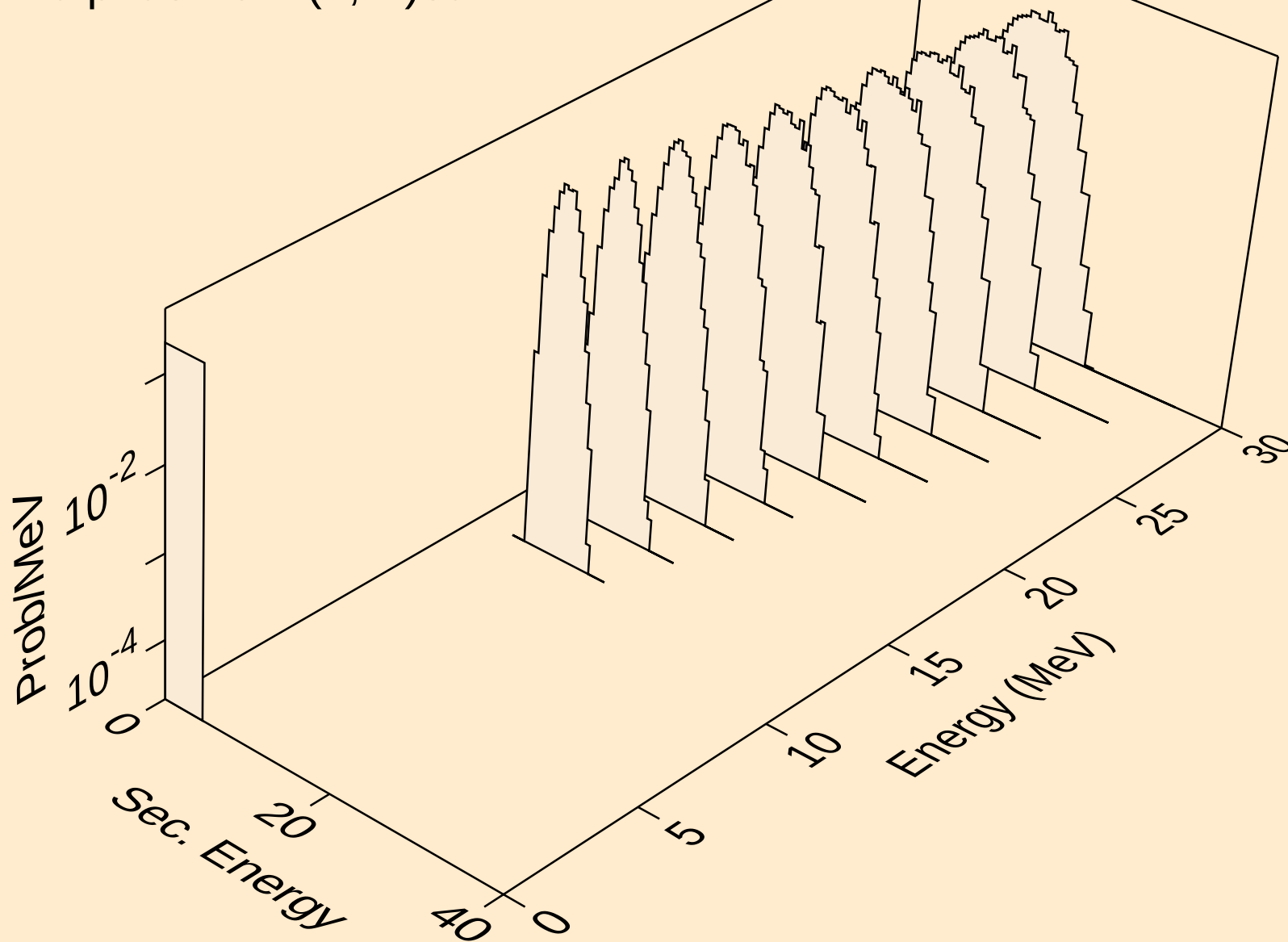
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



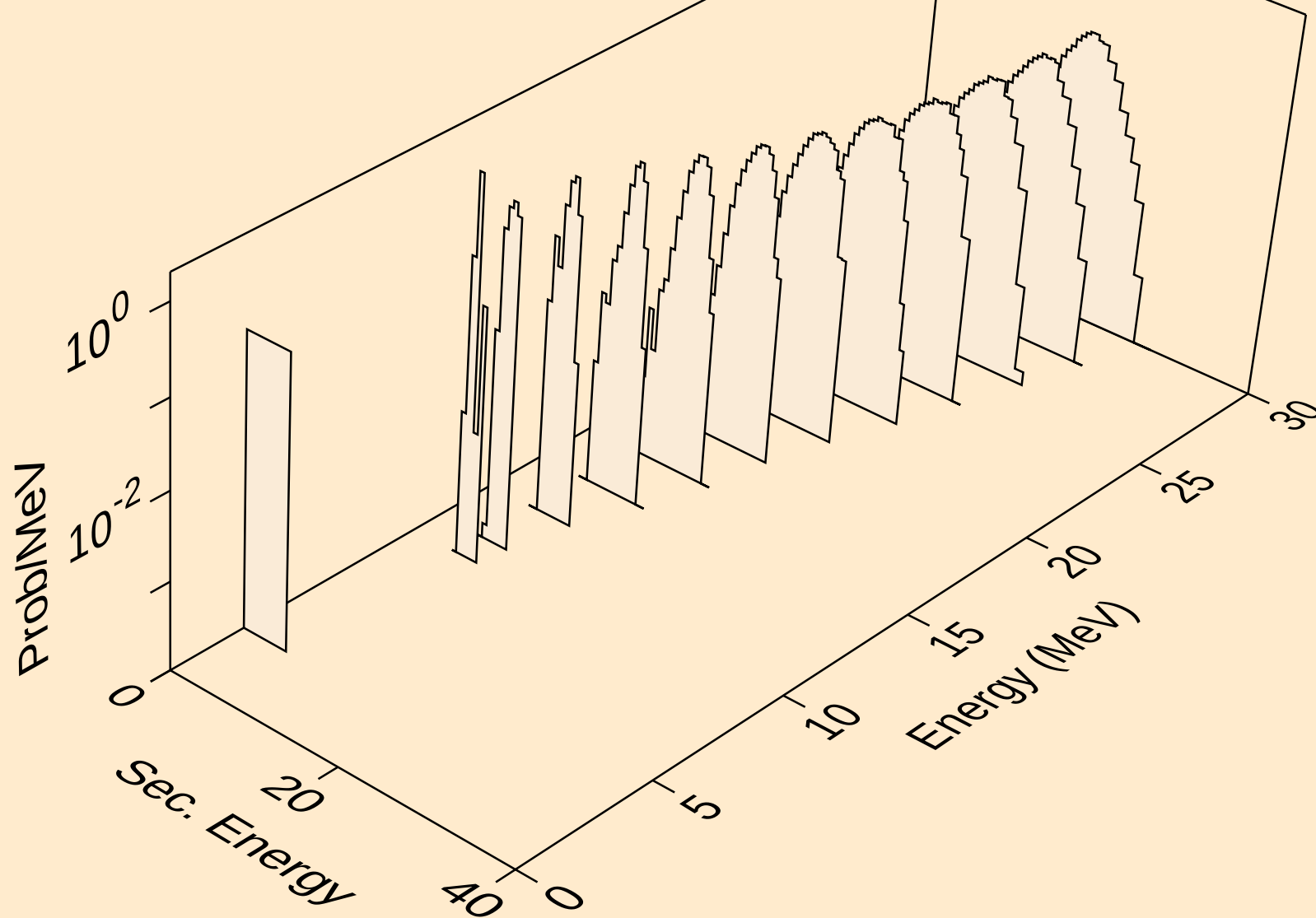
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



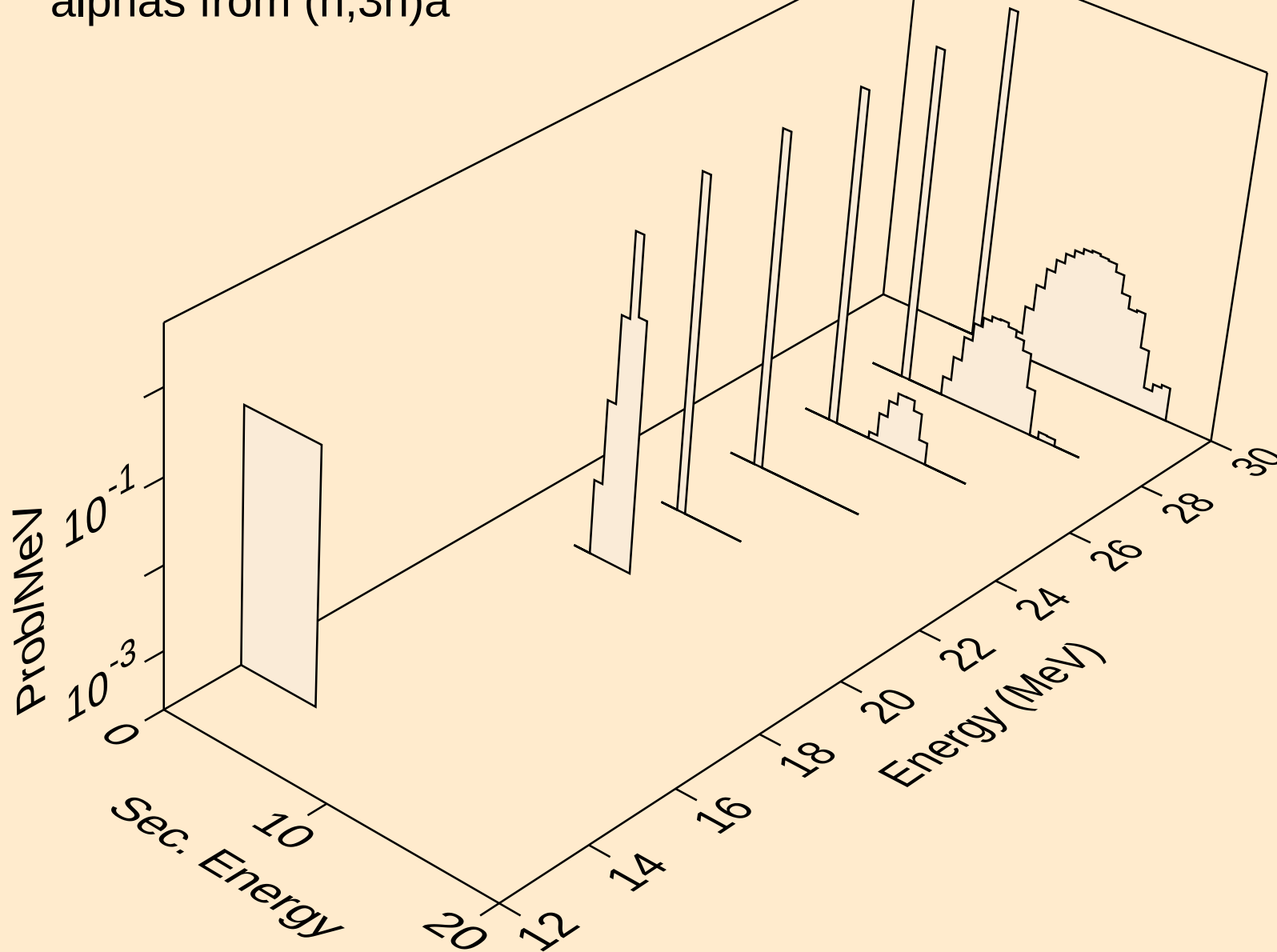
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)3a



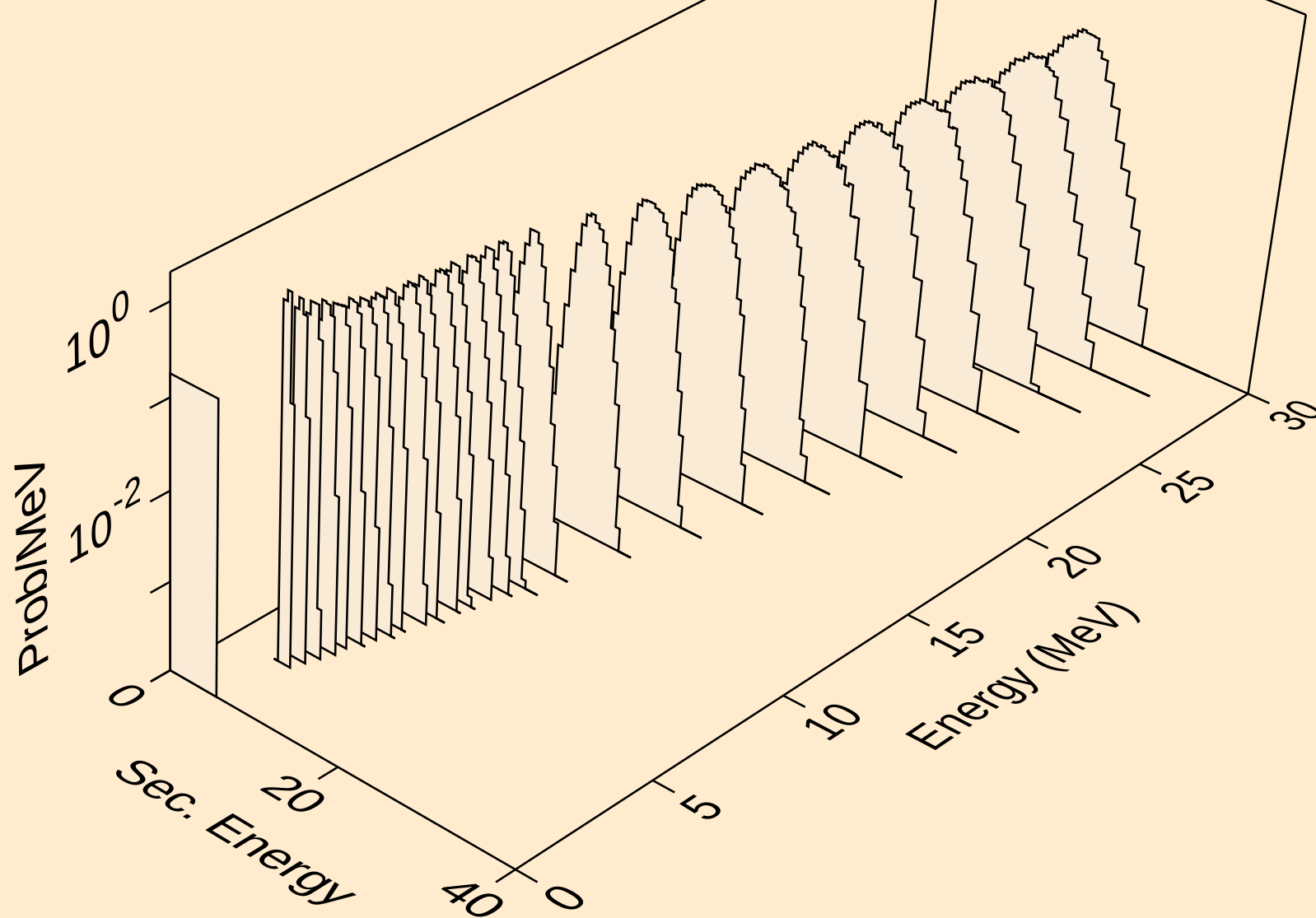
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



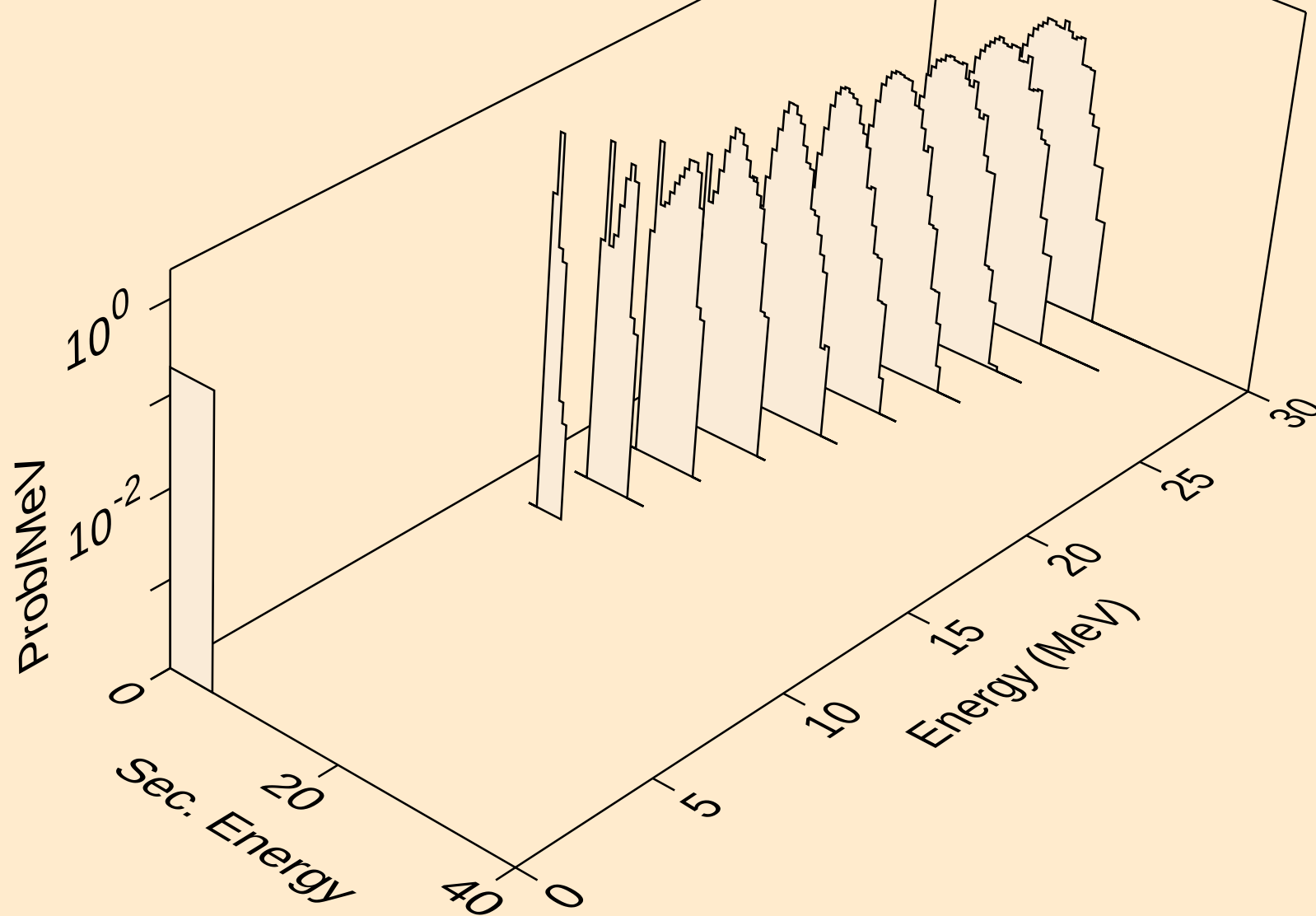
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



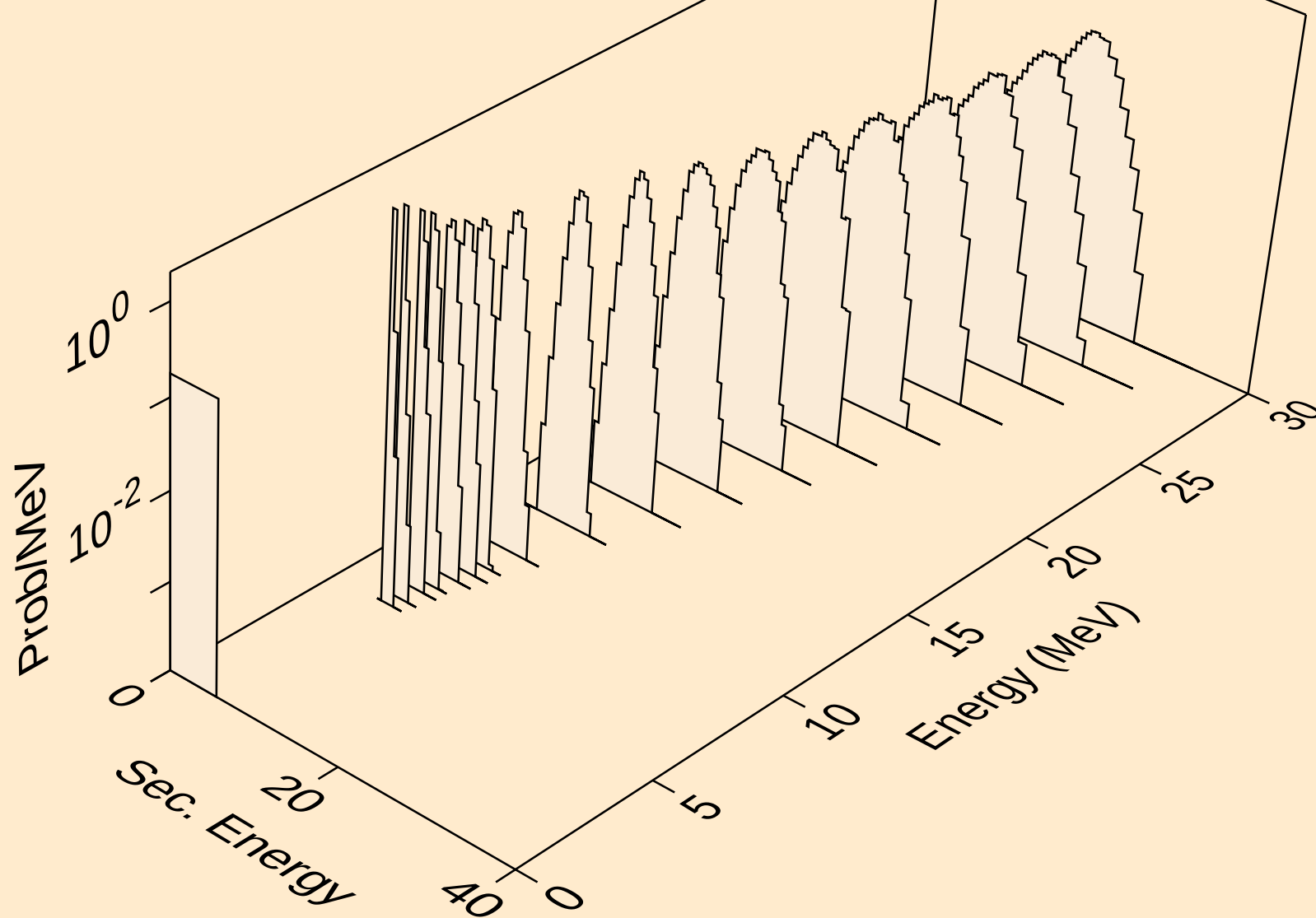
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



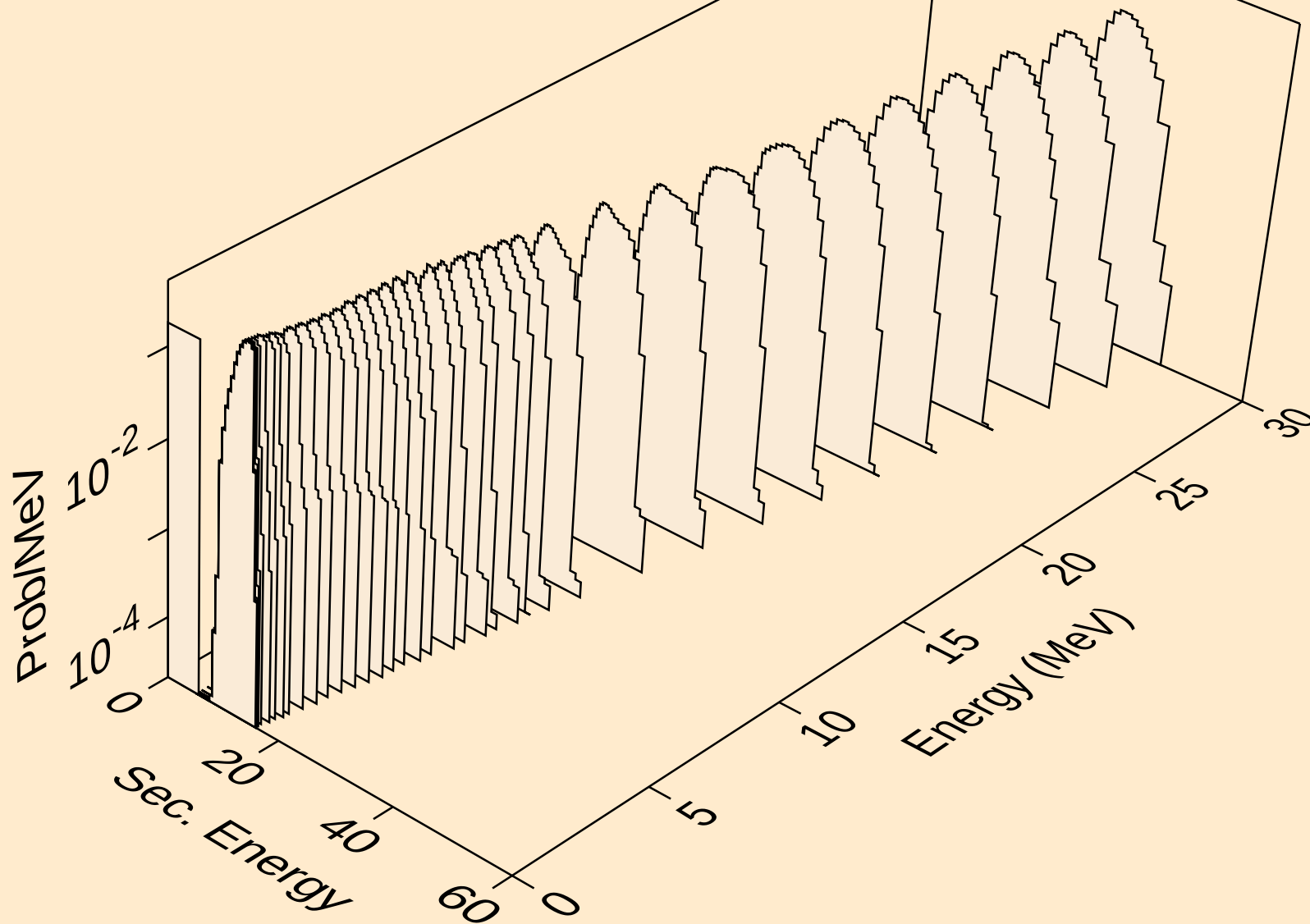
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



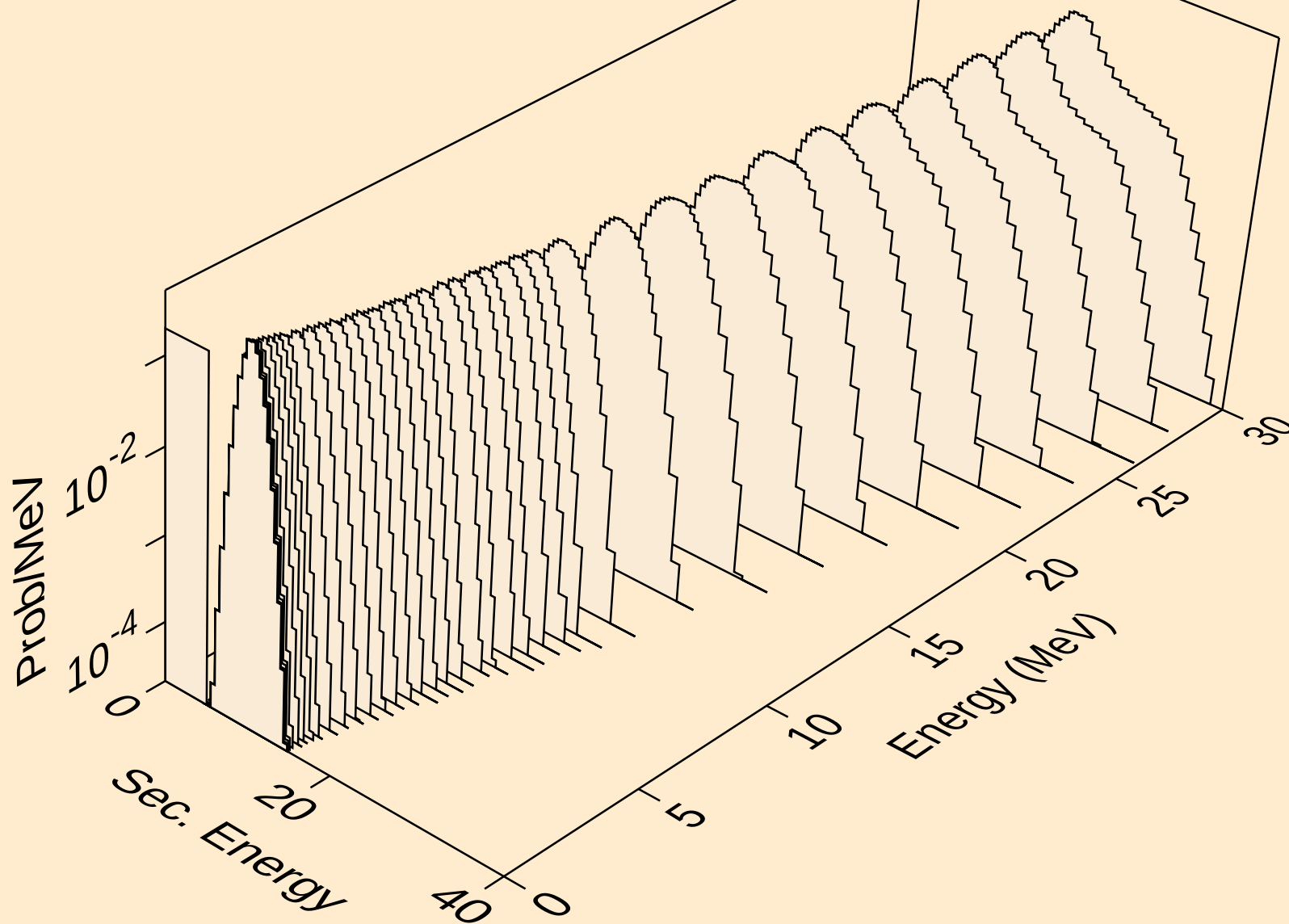
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



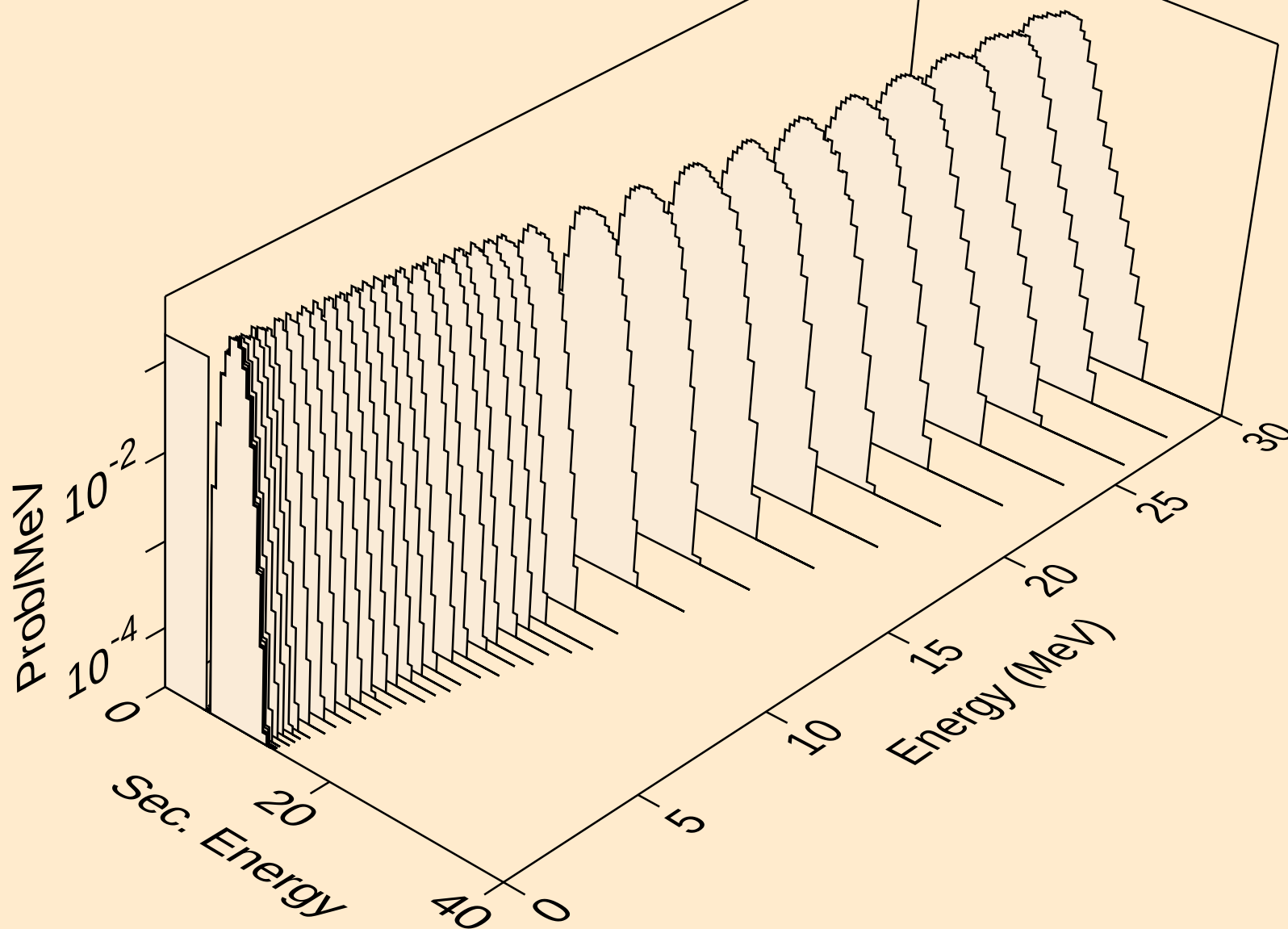
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



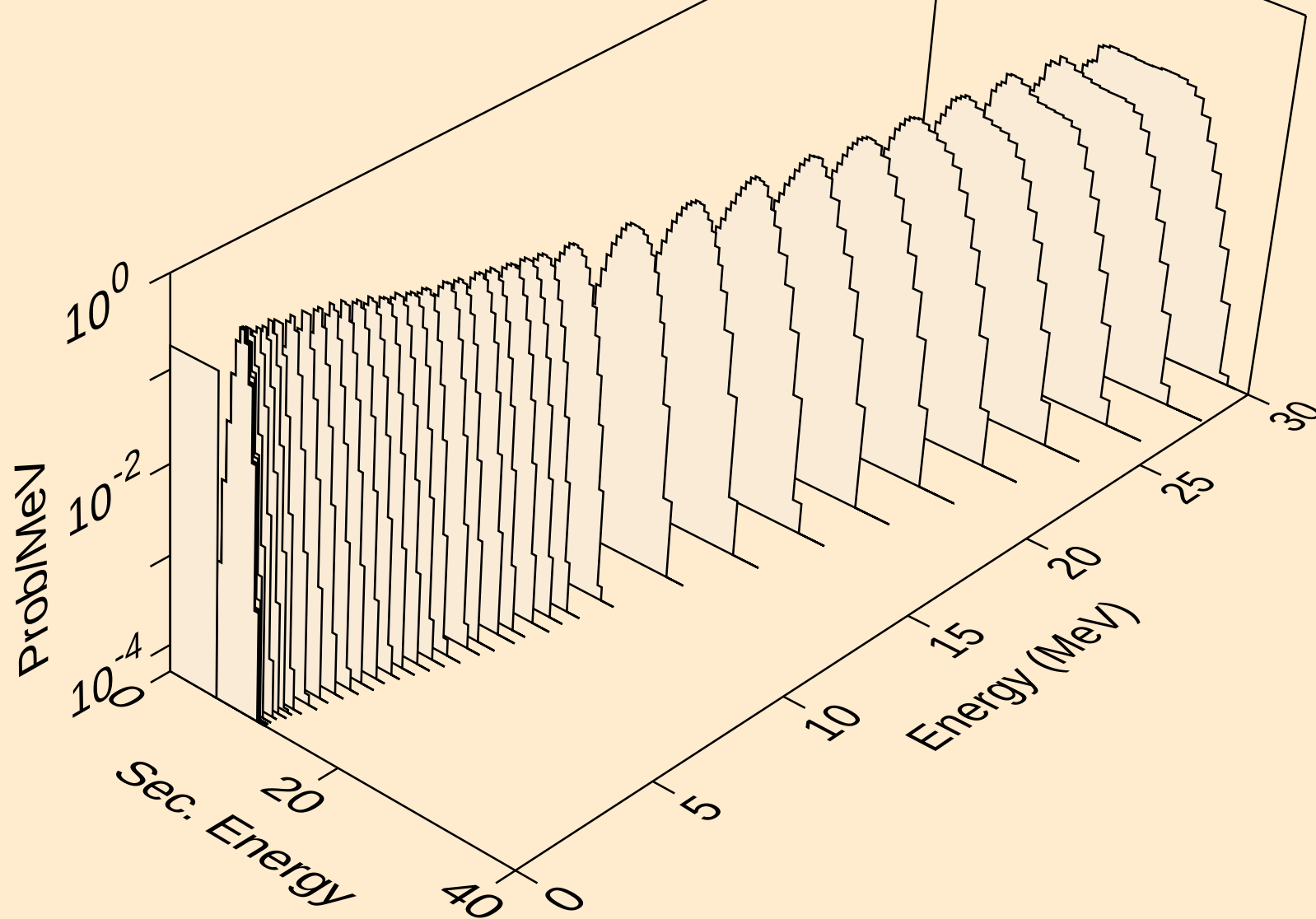
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



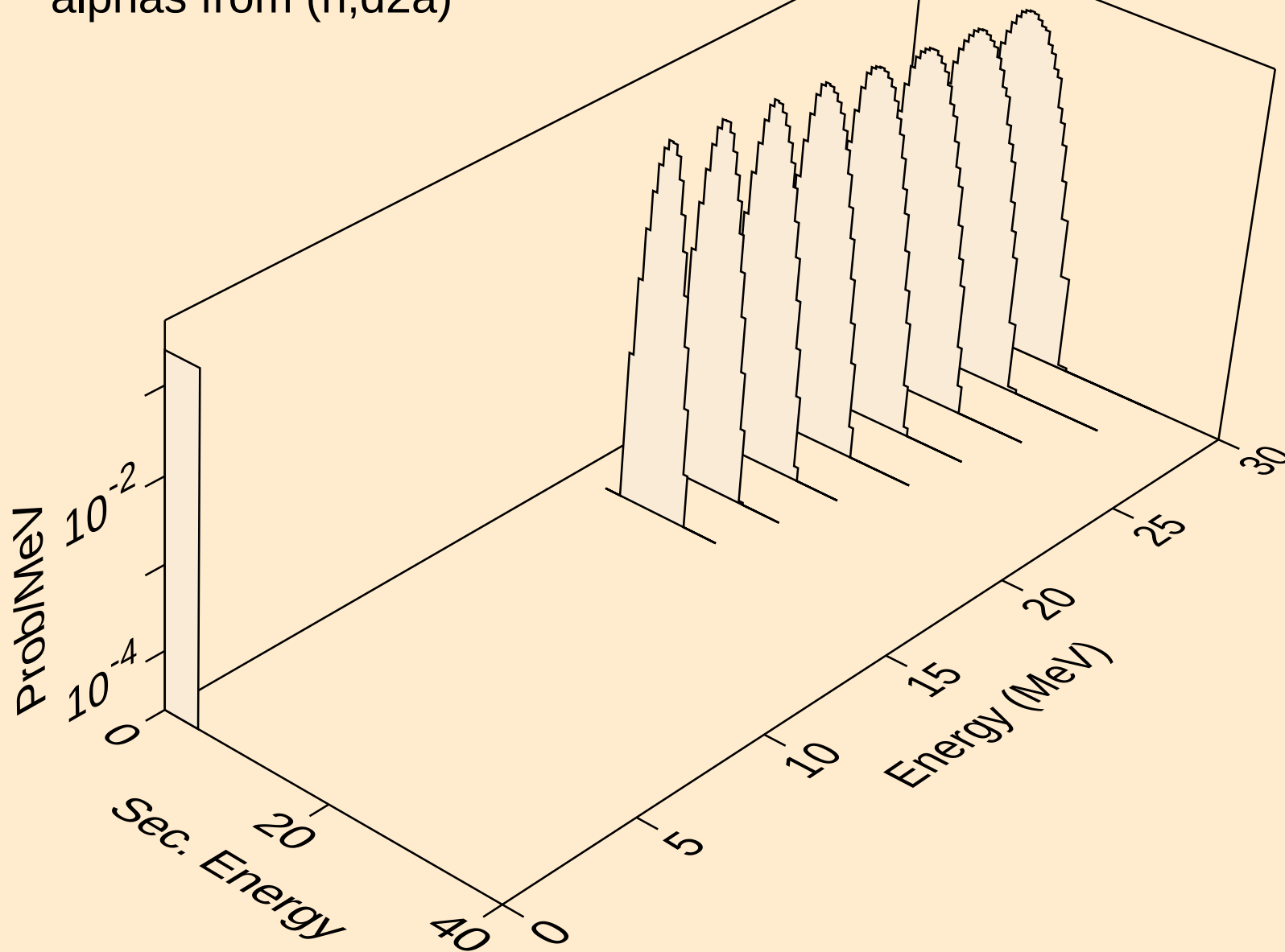
PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,d2a)



PT177 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

