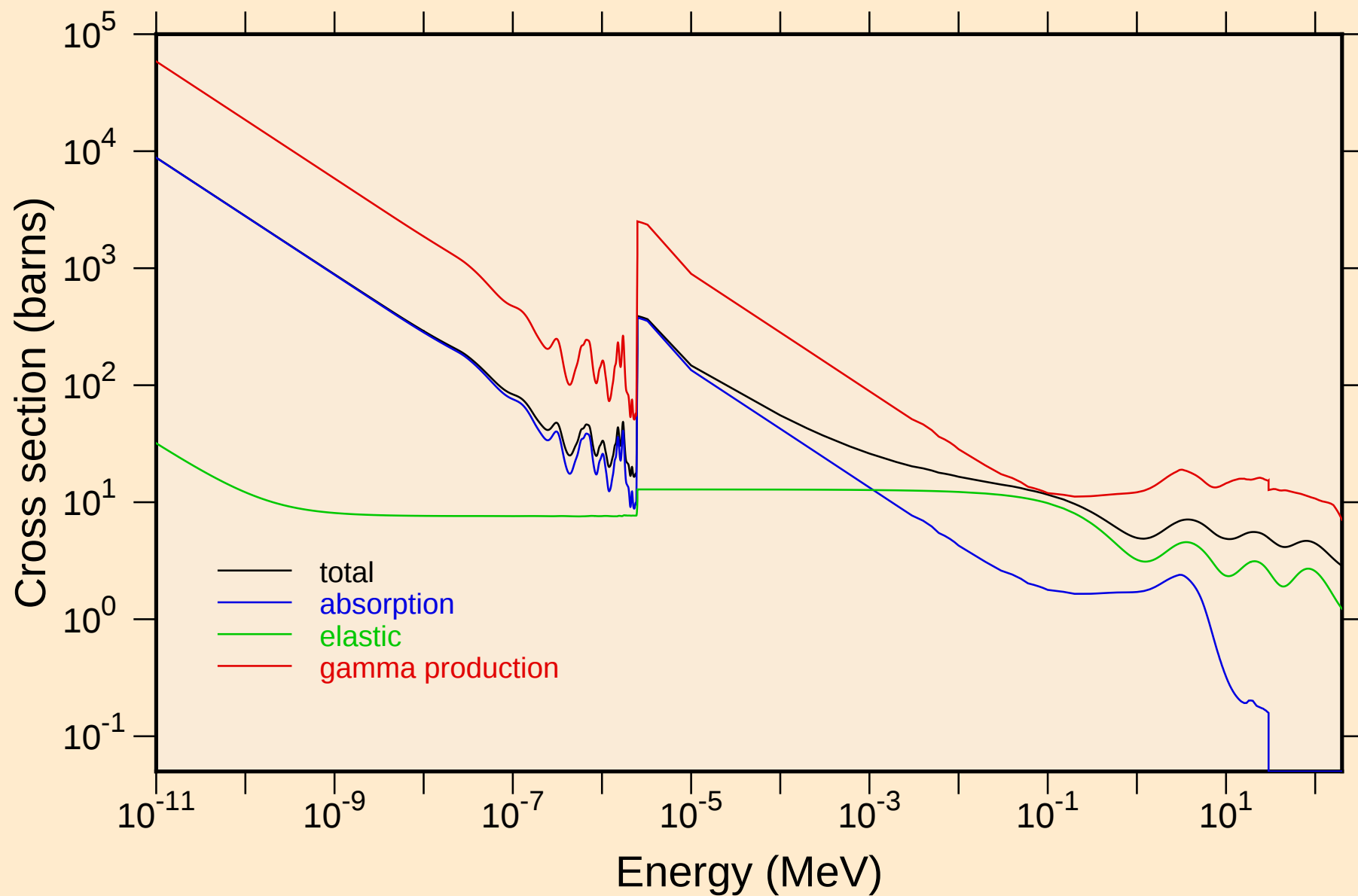


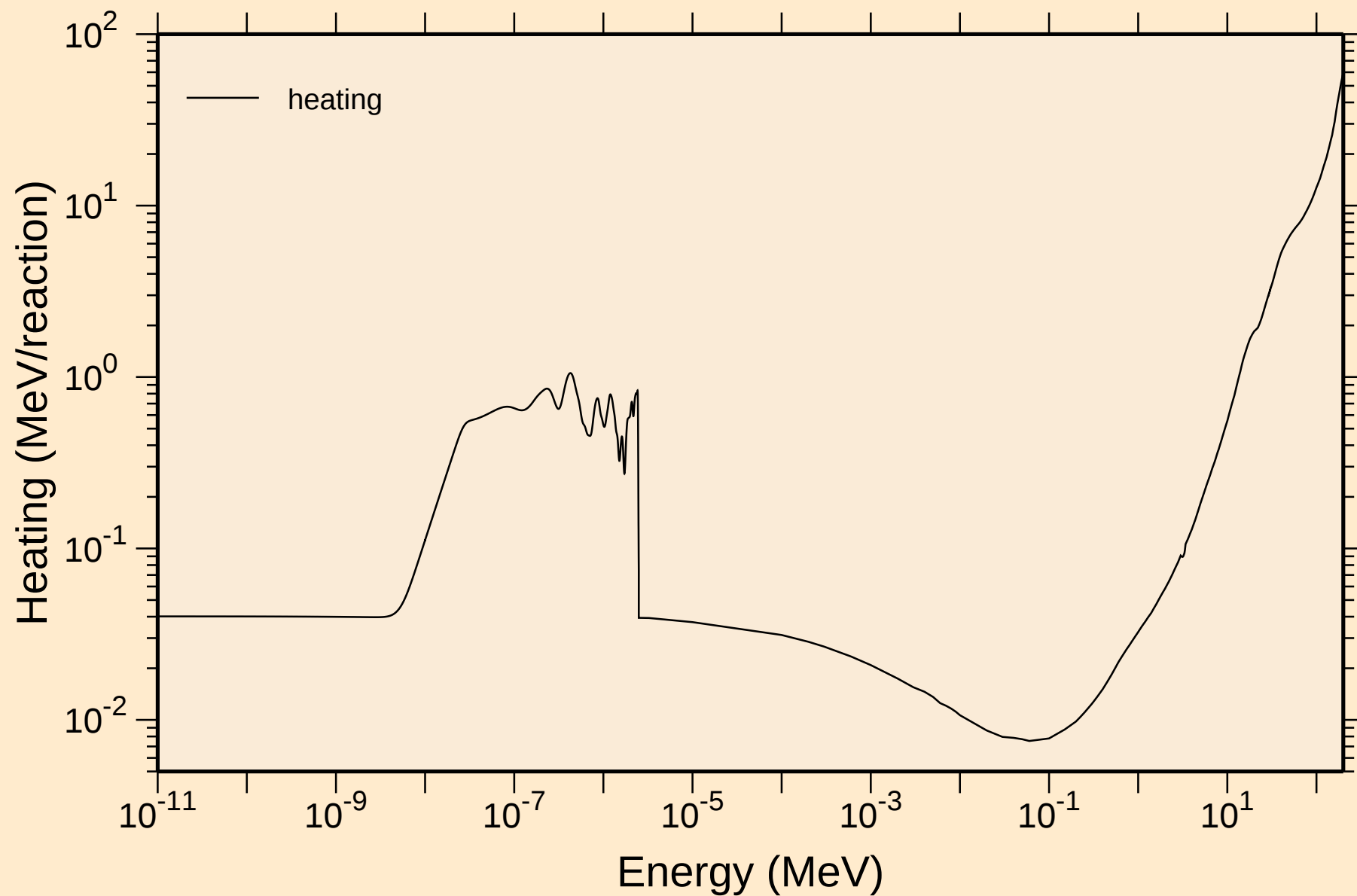
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Principal cross sections

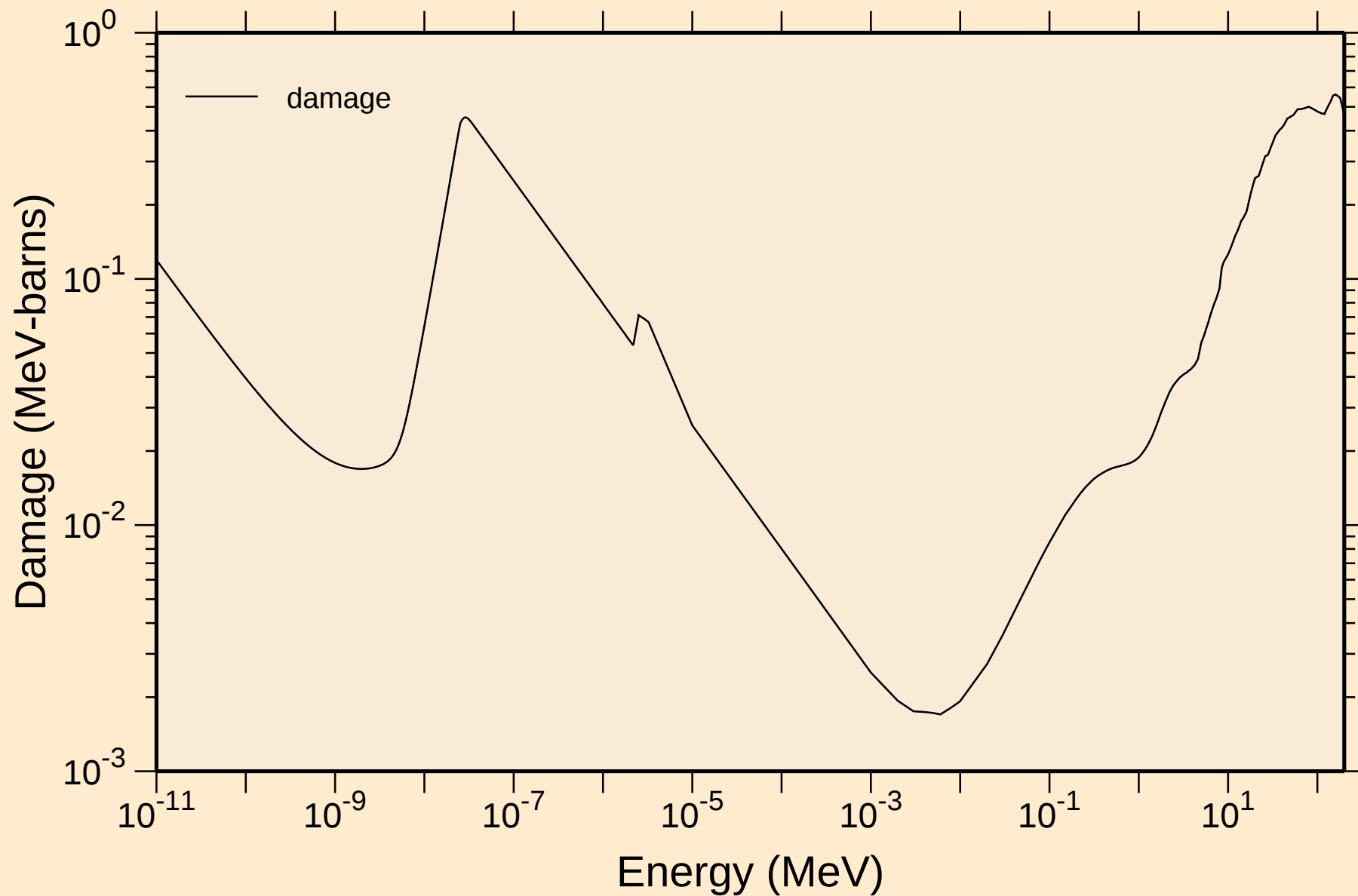


BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

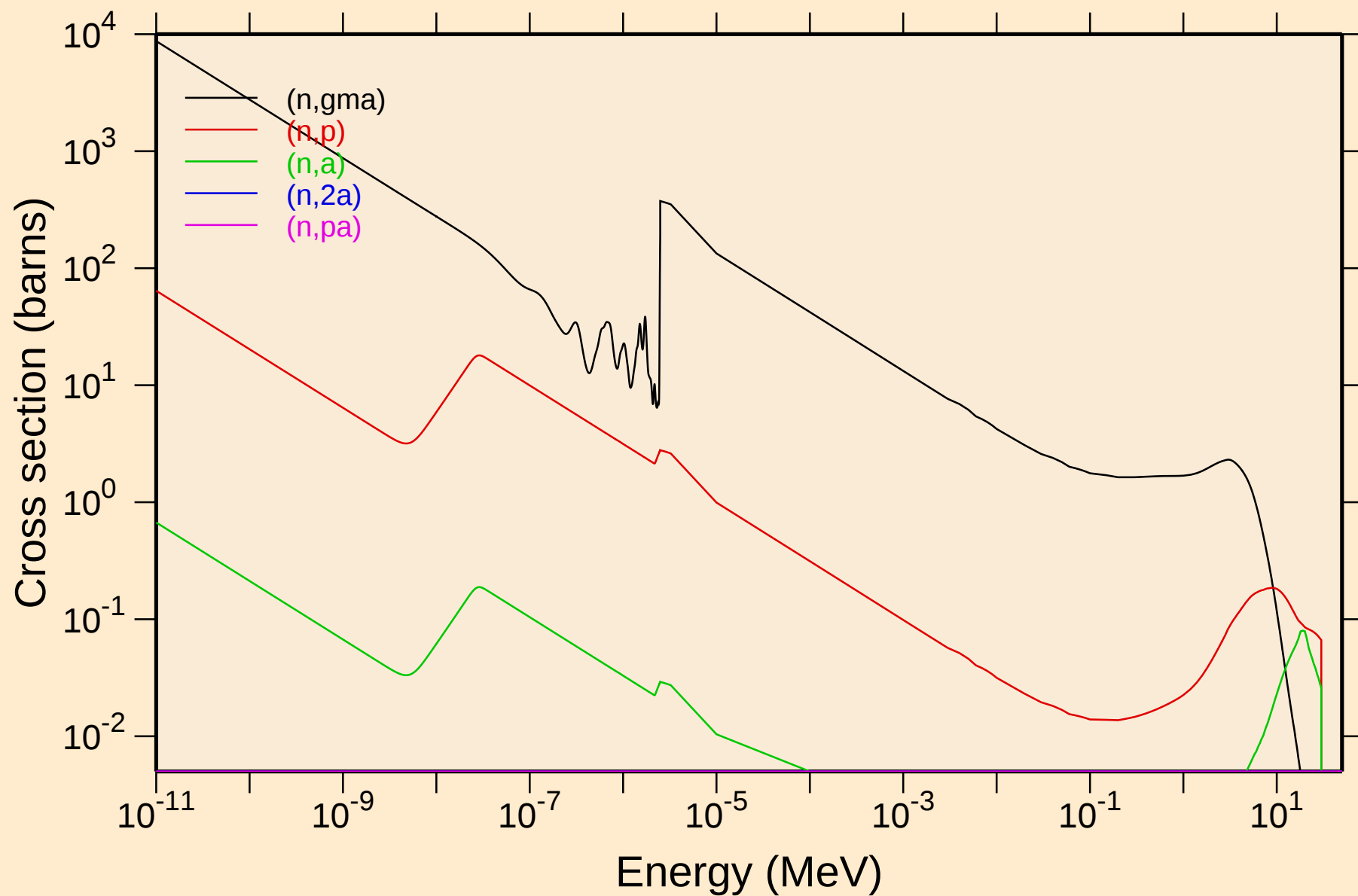
Heating



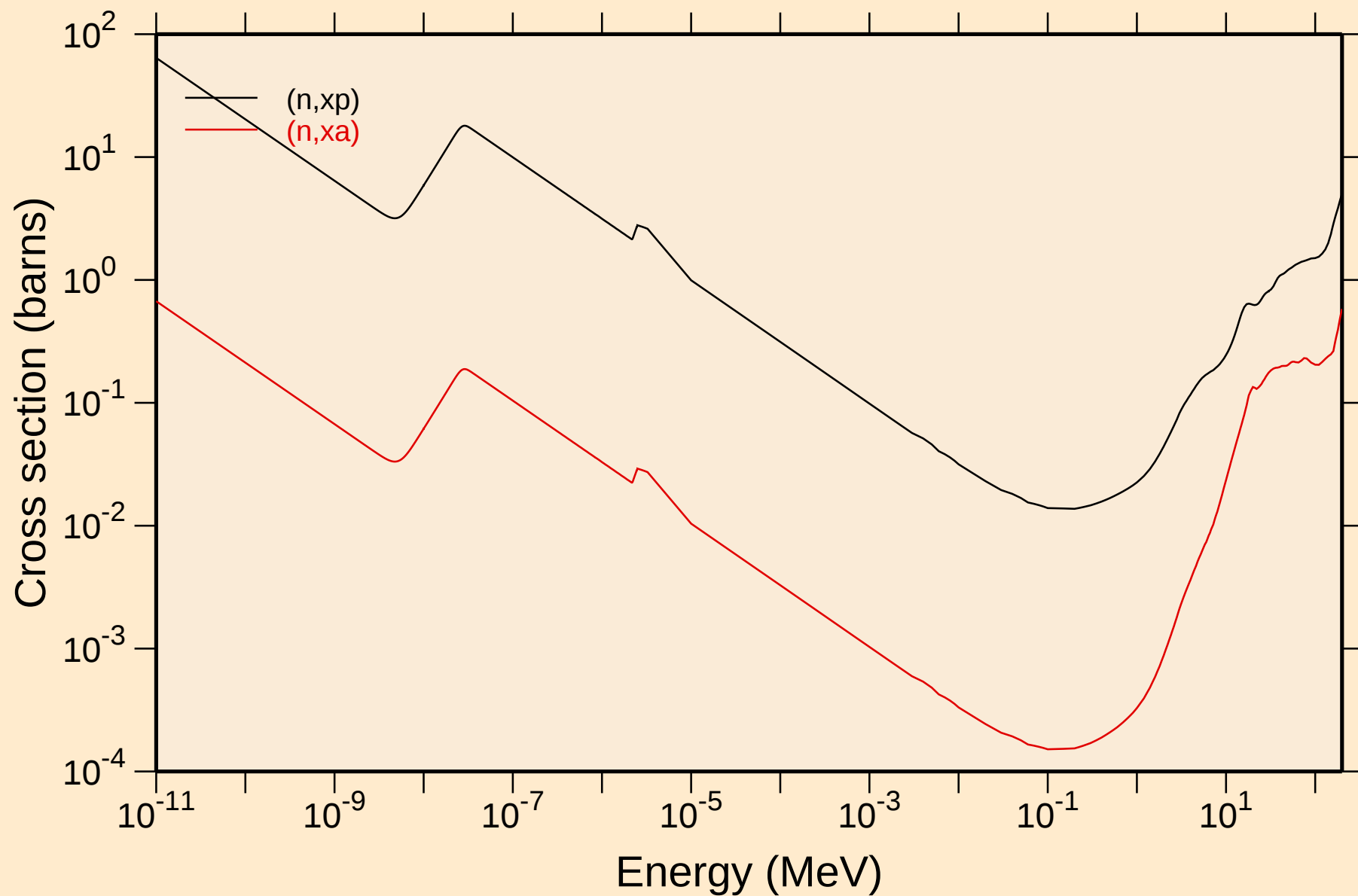
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

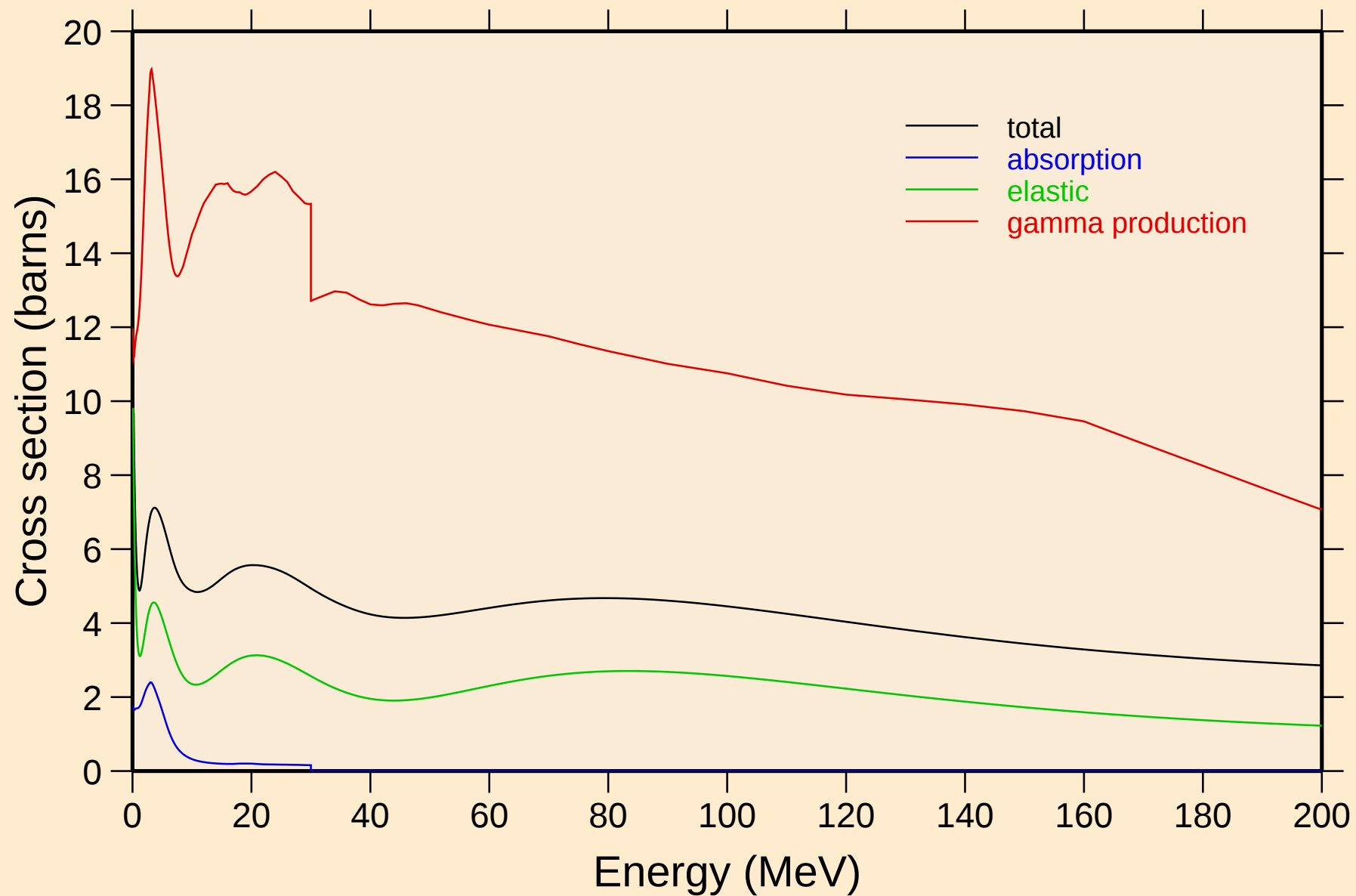


BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

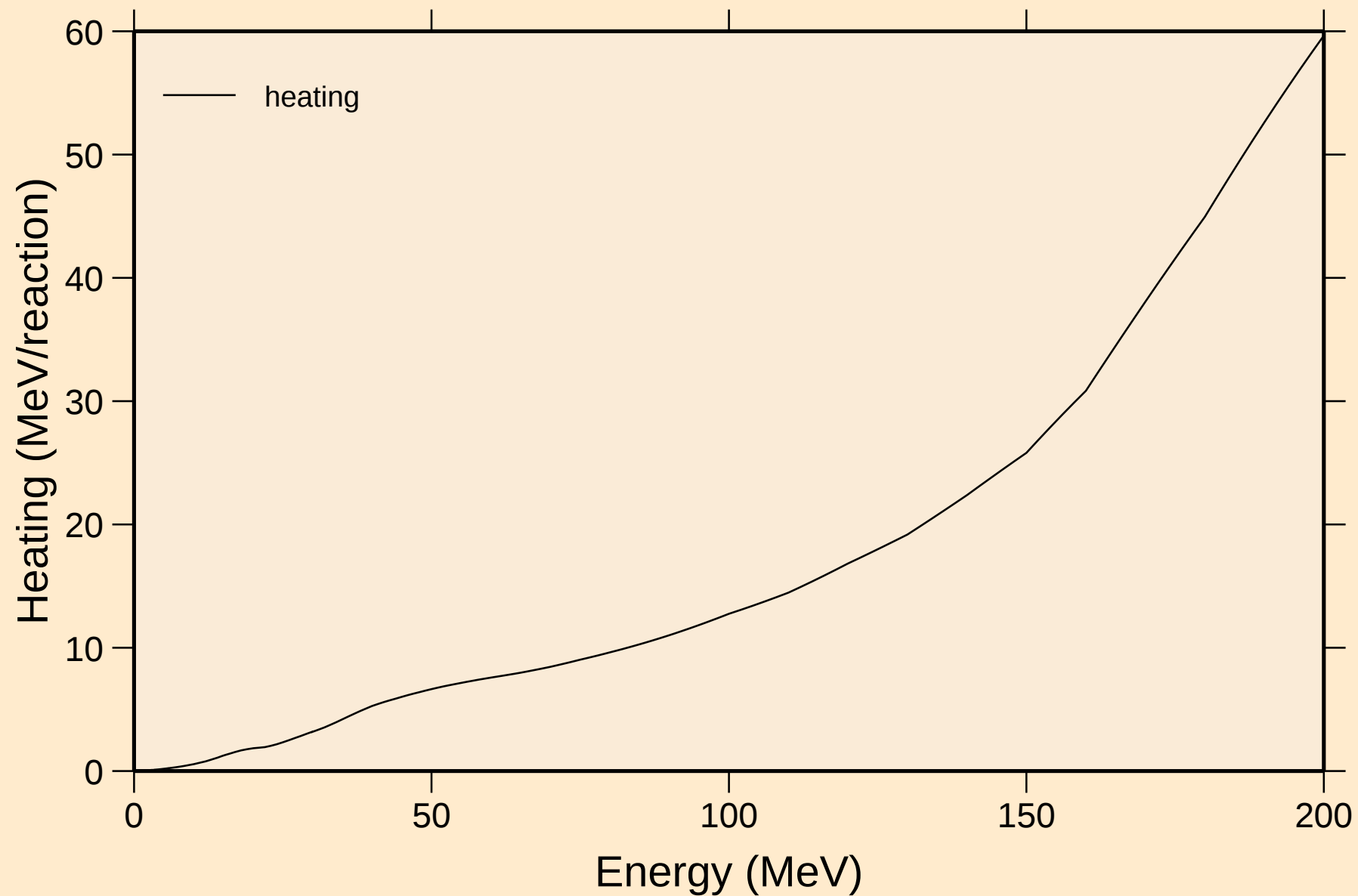


BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

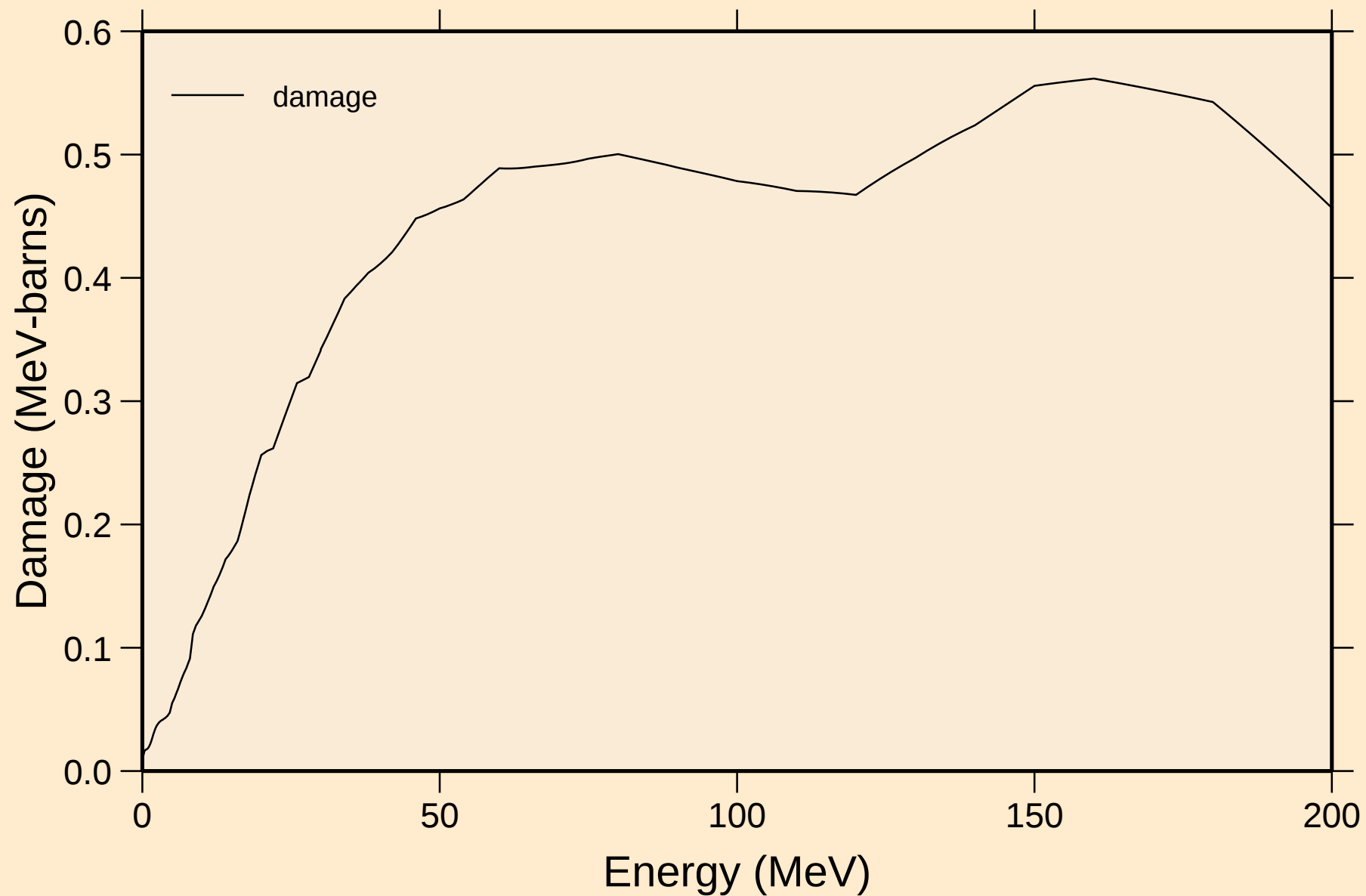
Principal cross sections



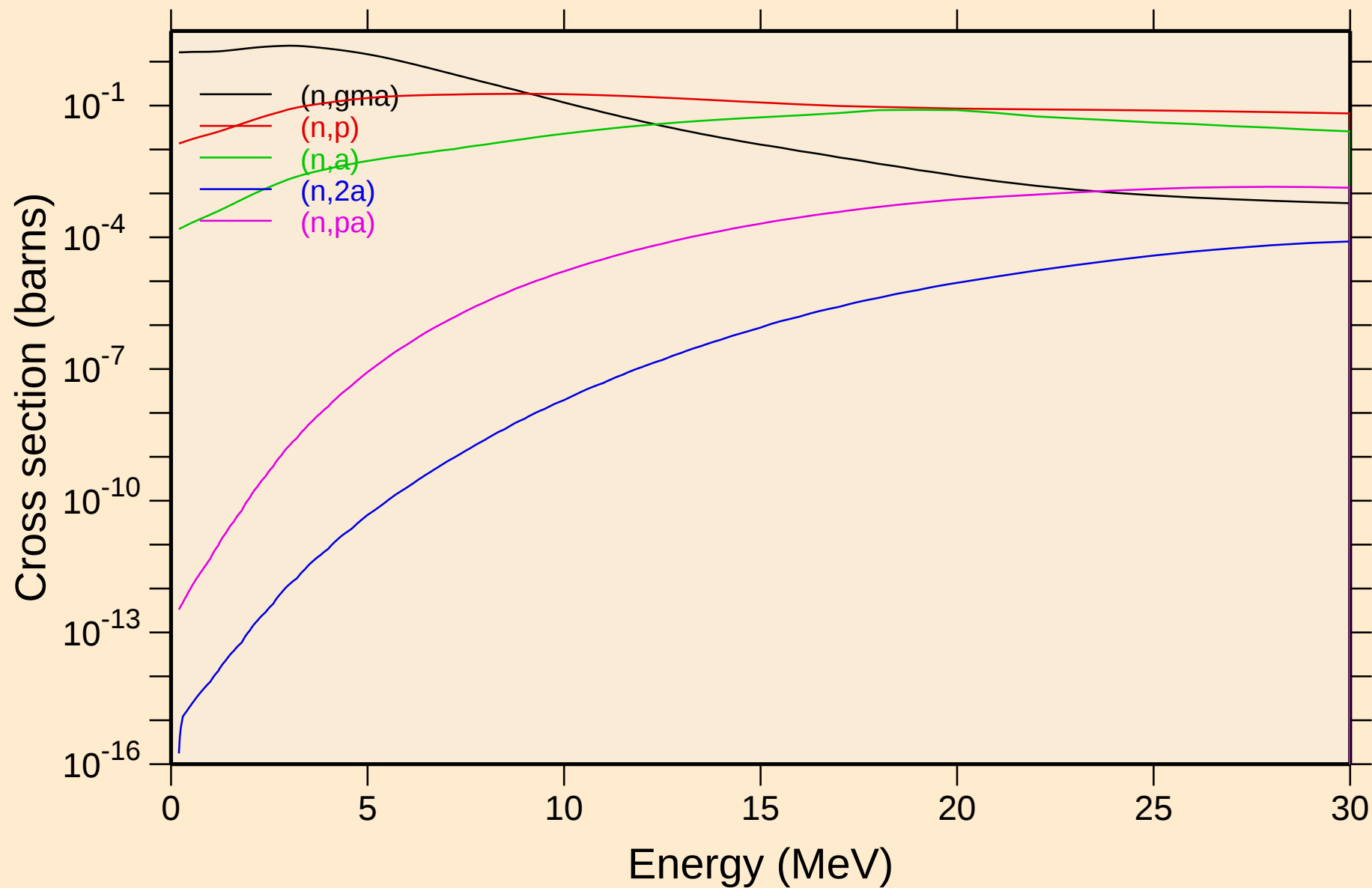
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



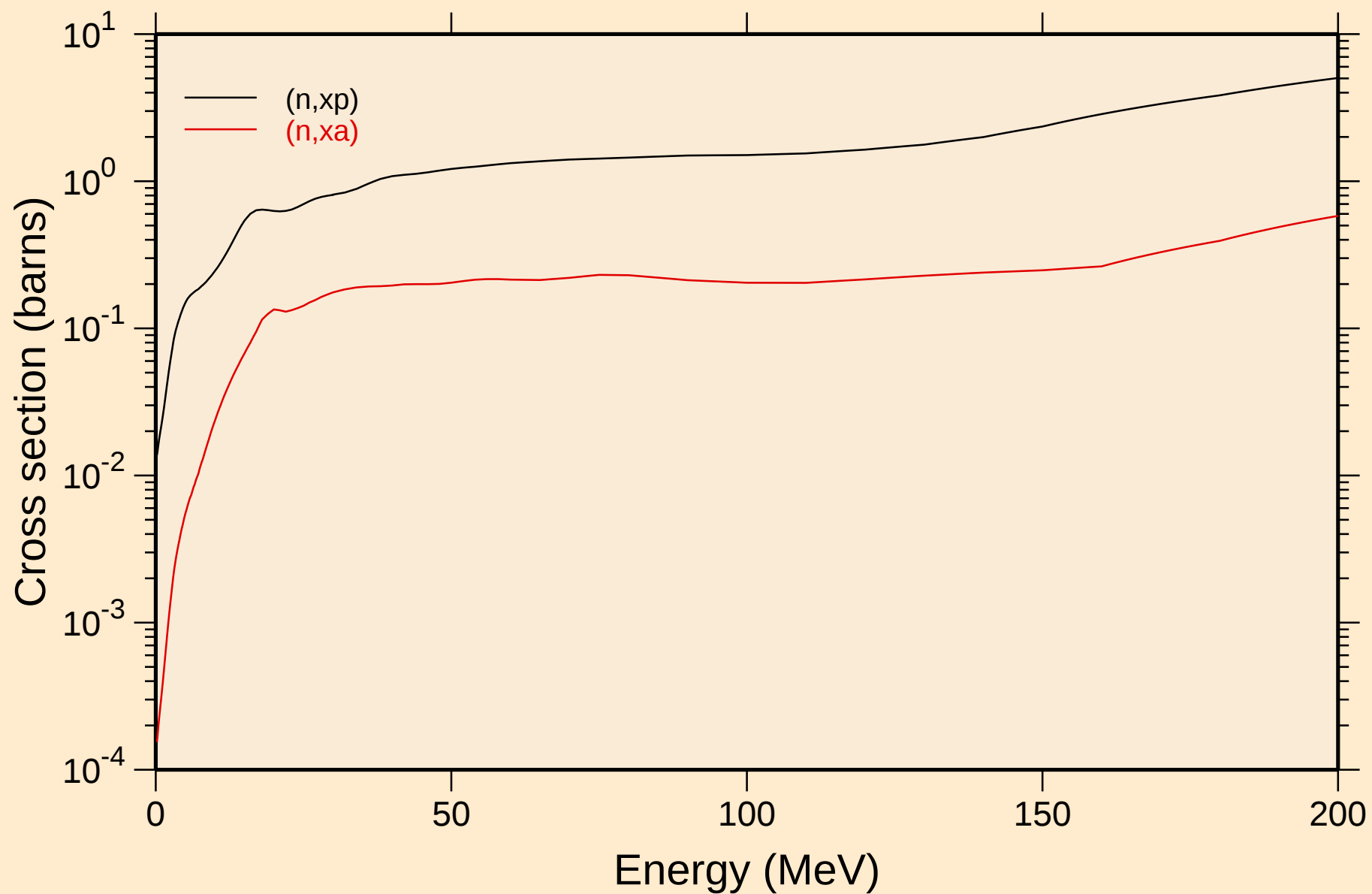
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



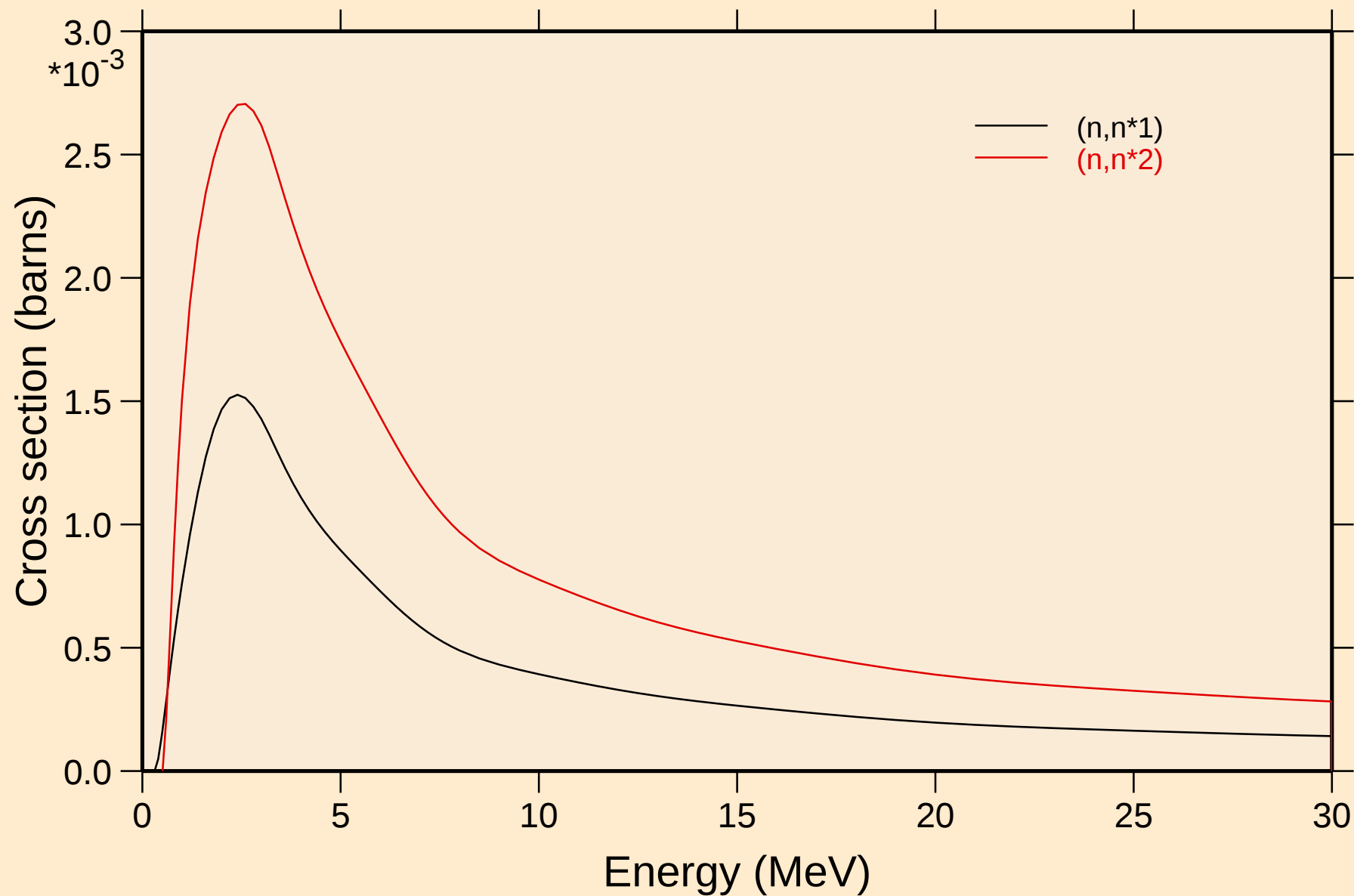
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



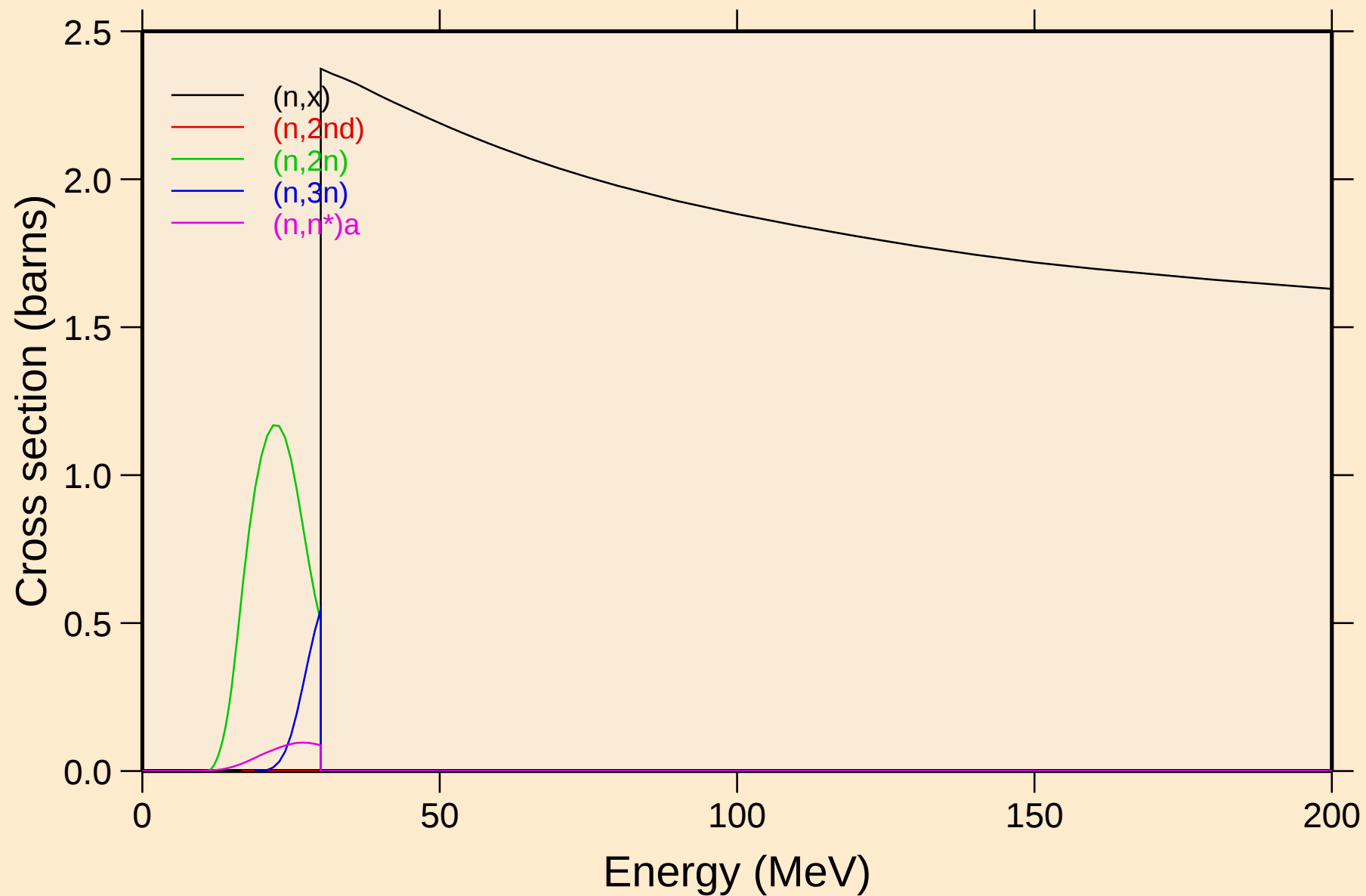
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



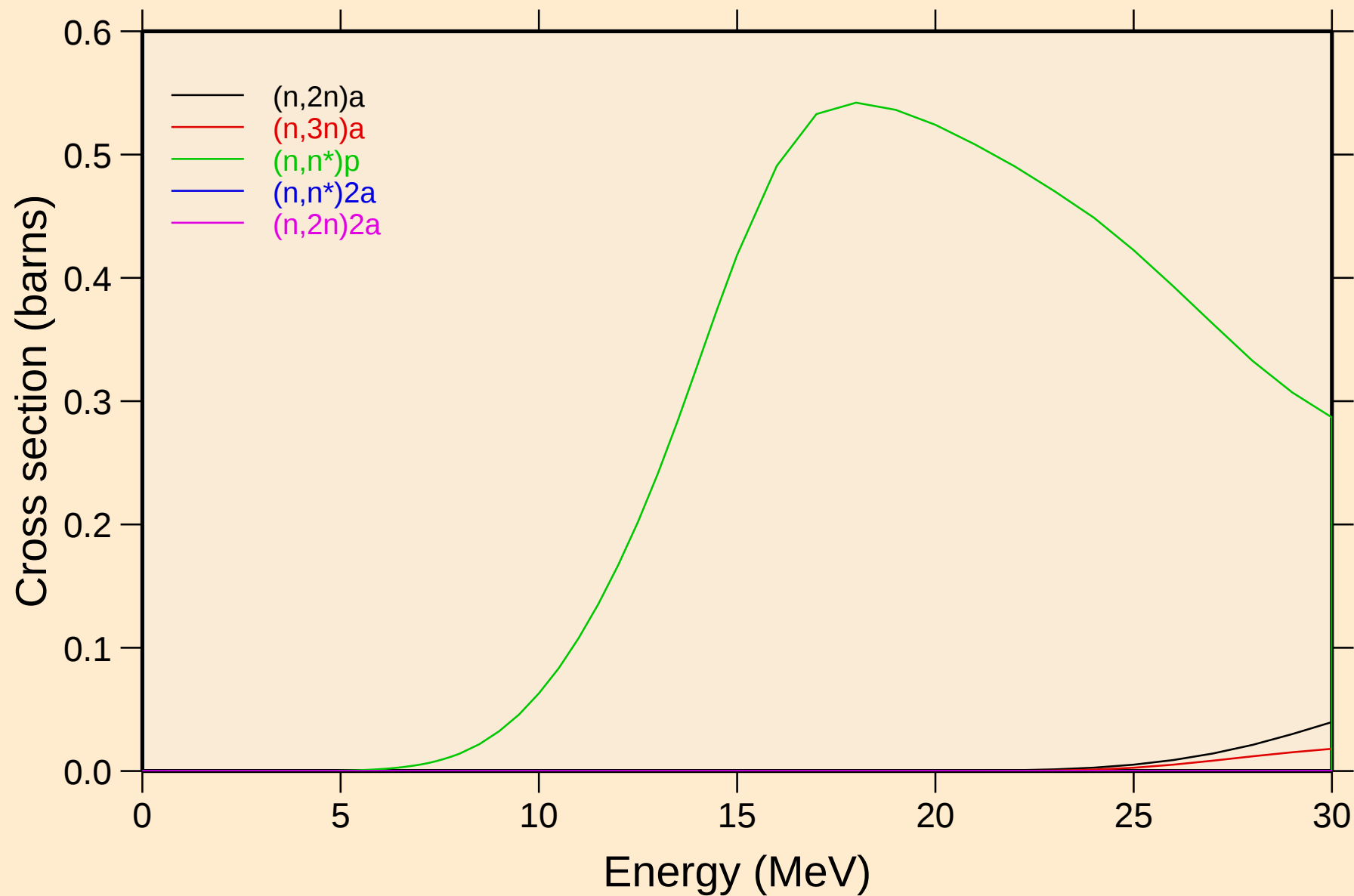
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



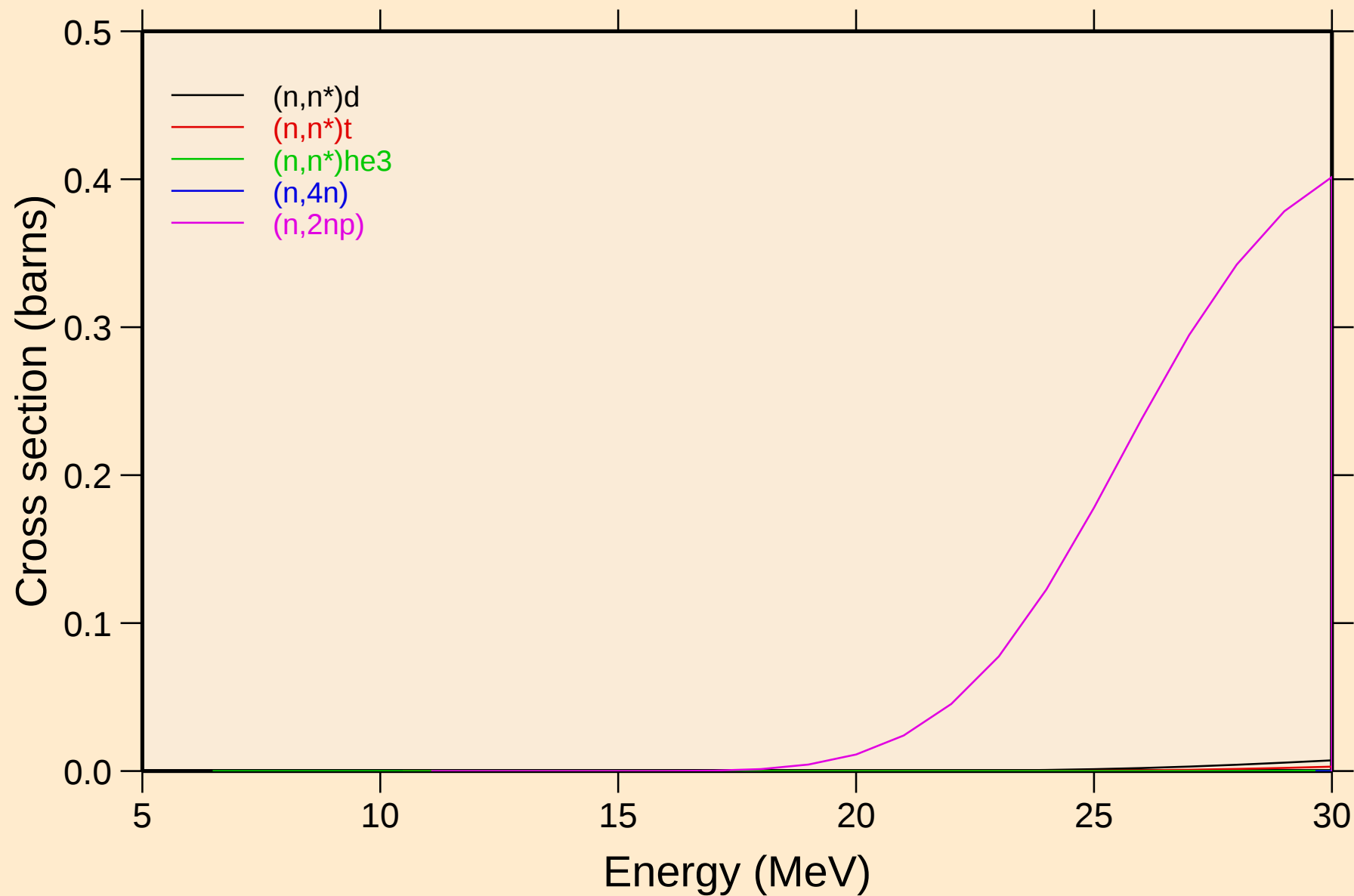
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



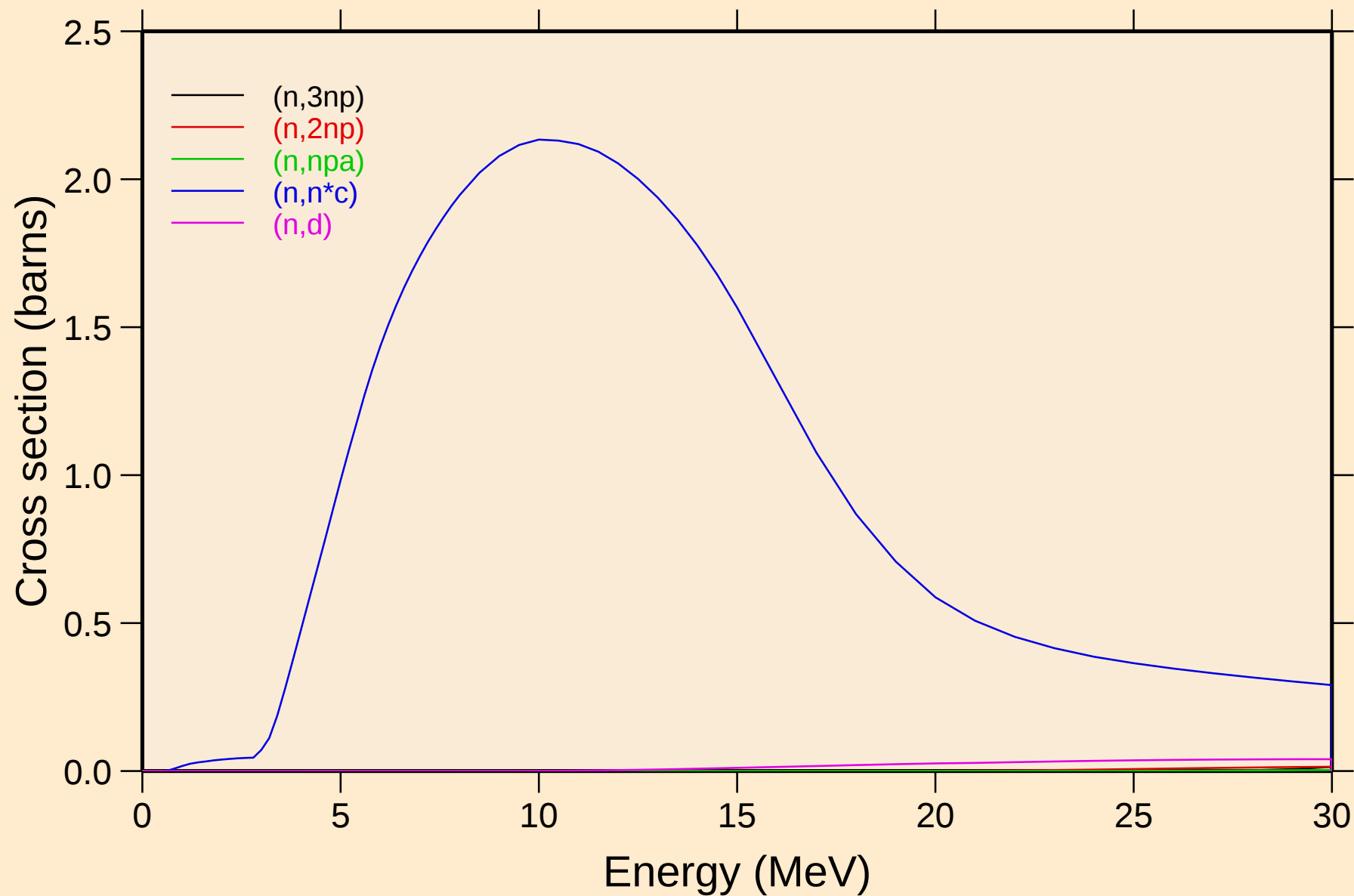
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



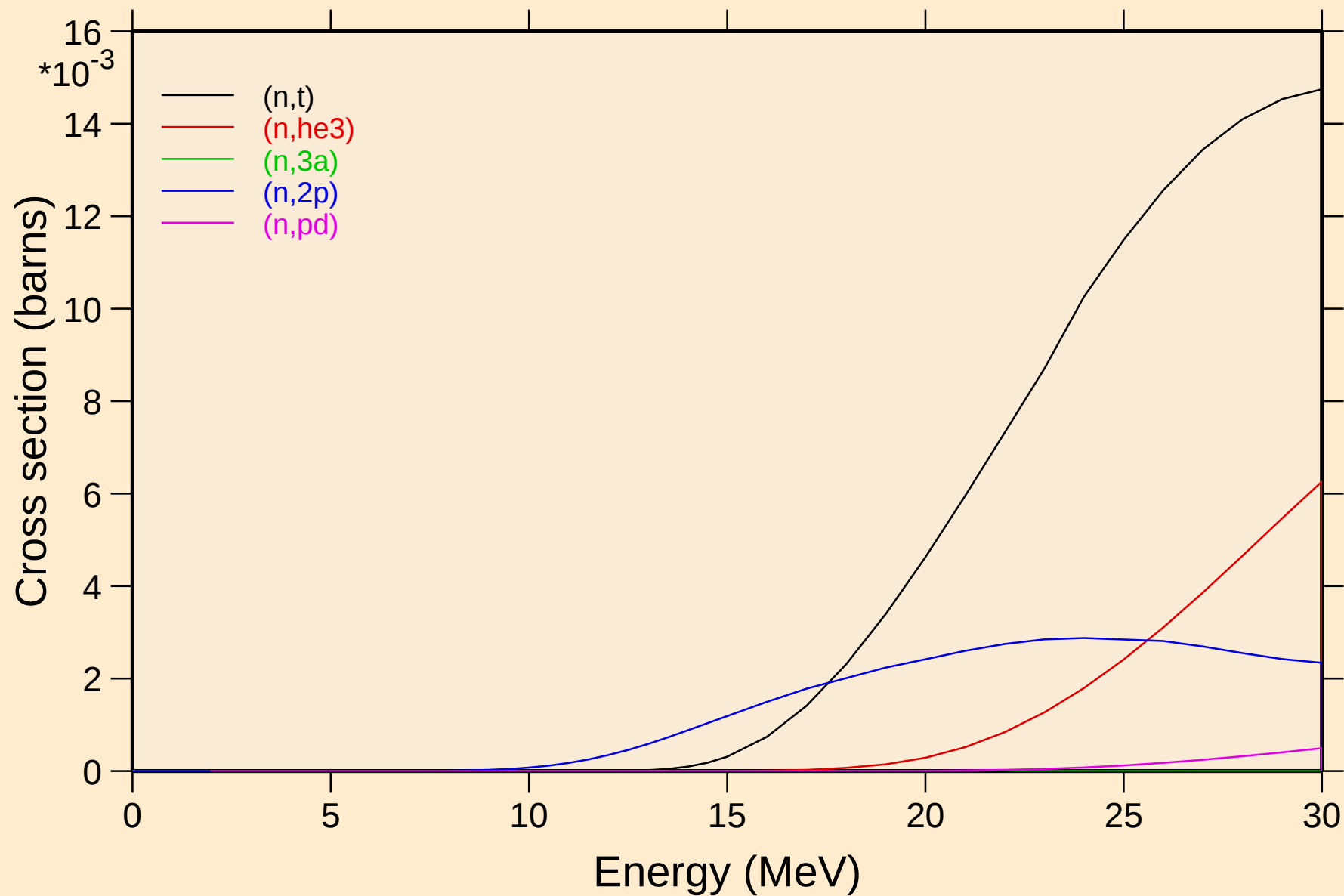
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



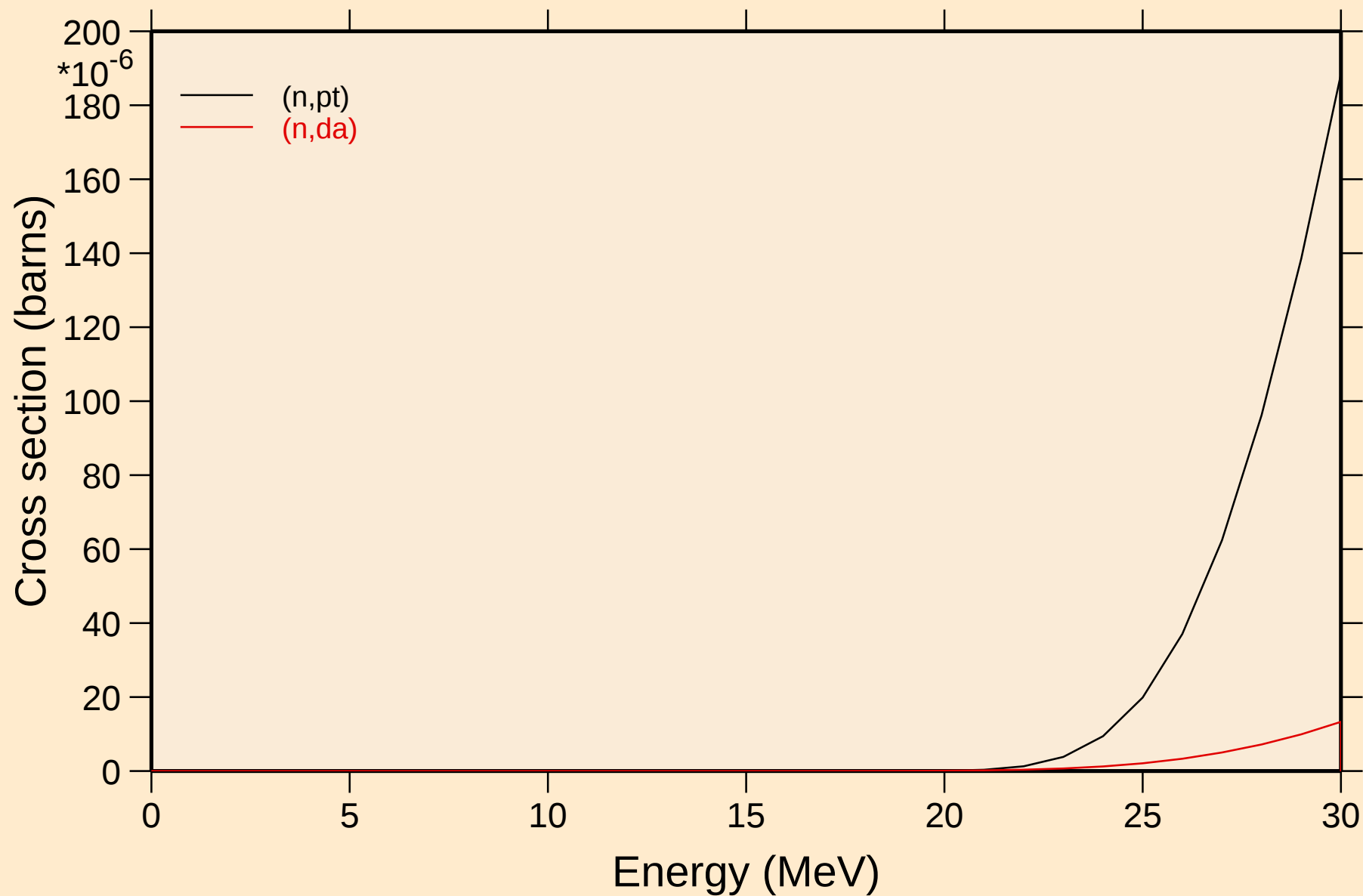
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



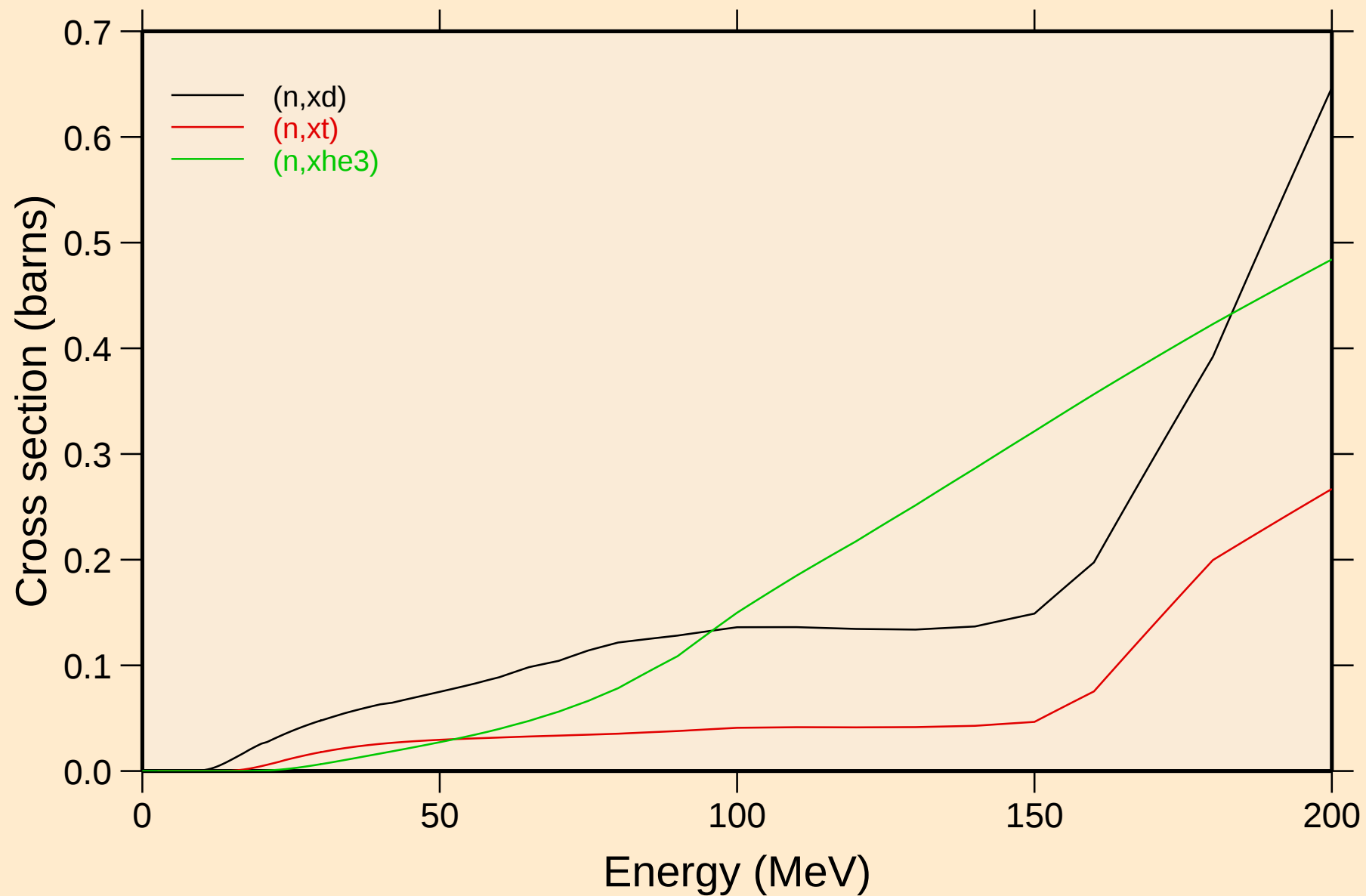
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



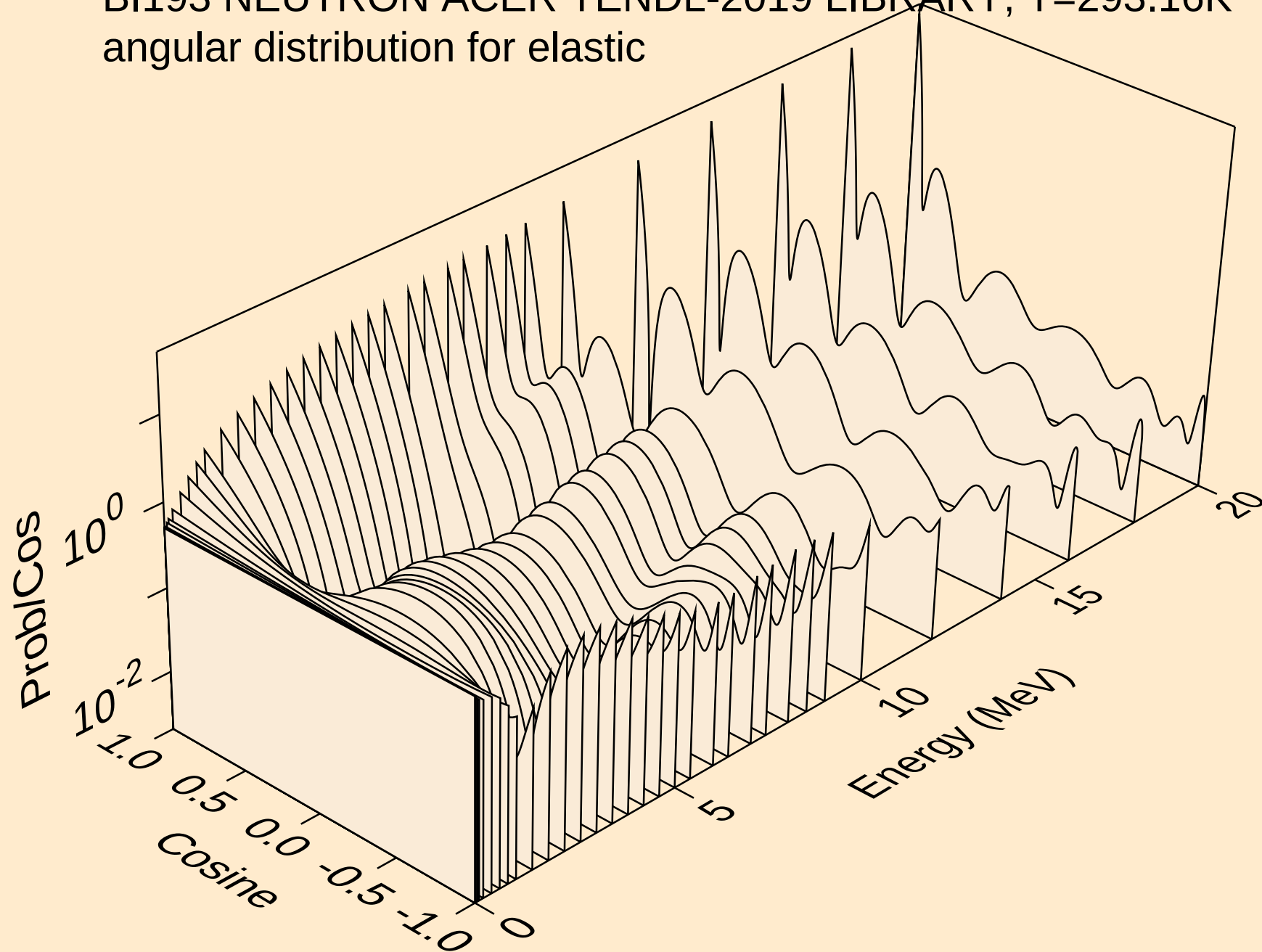
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



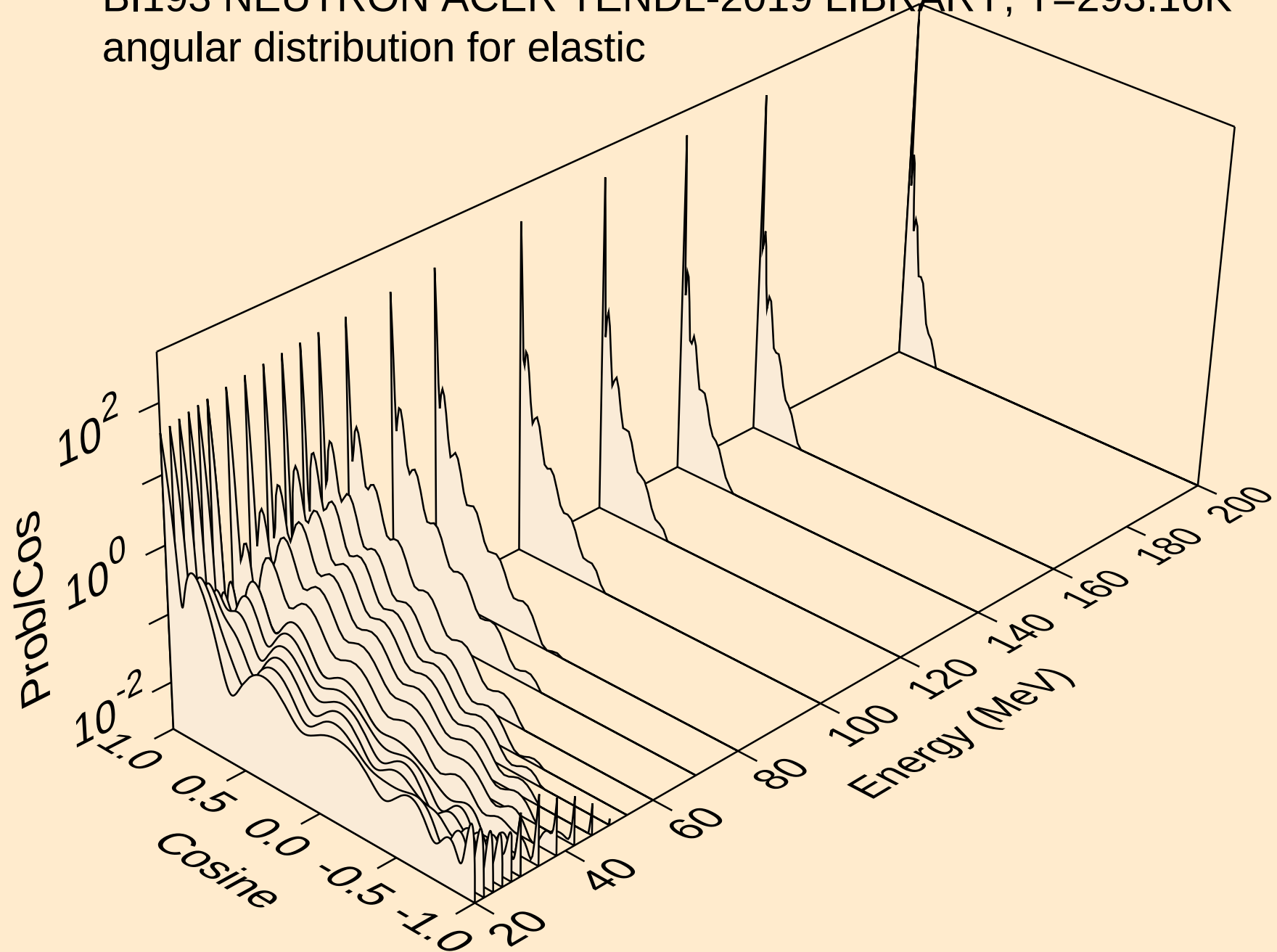
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



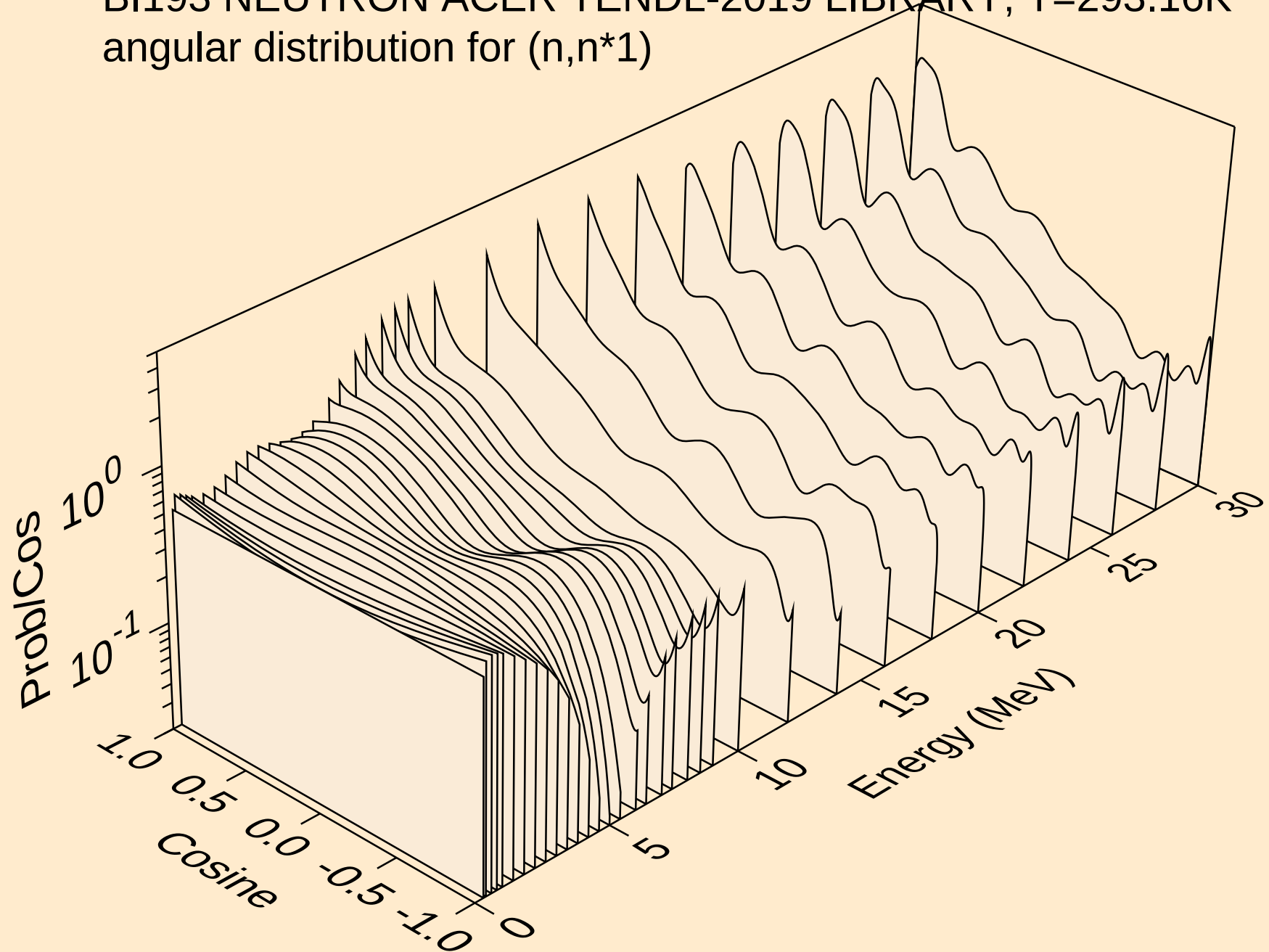
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



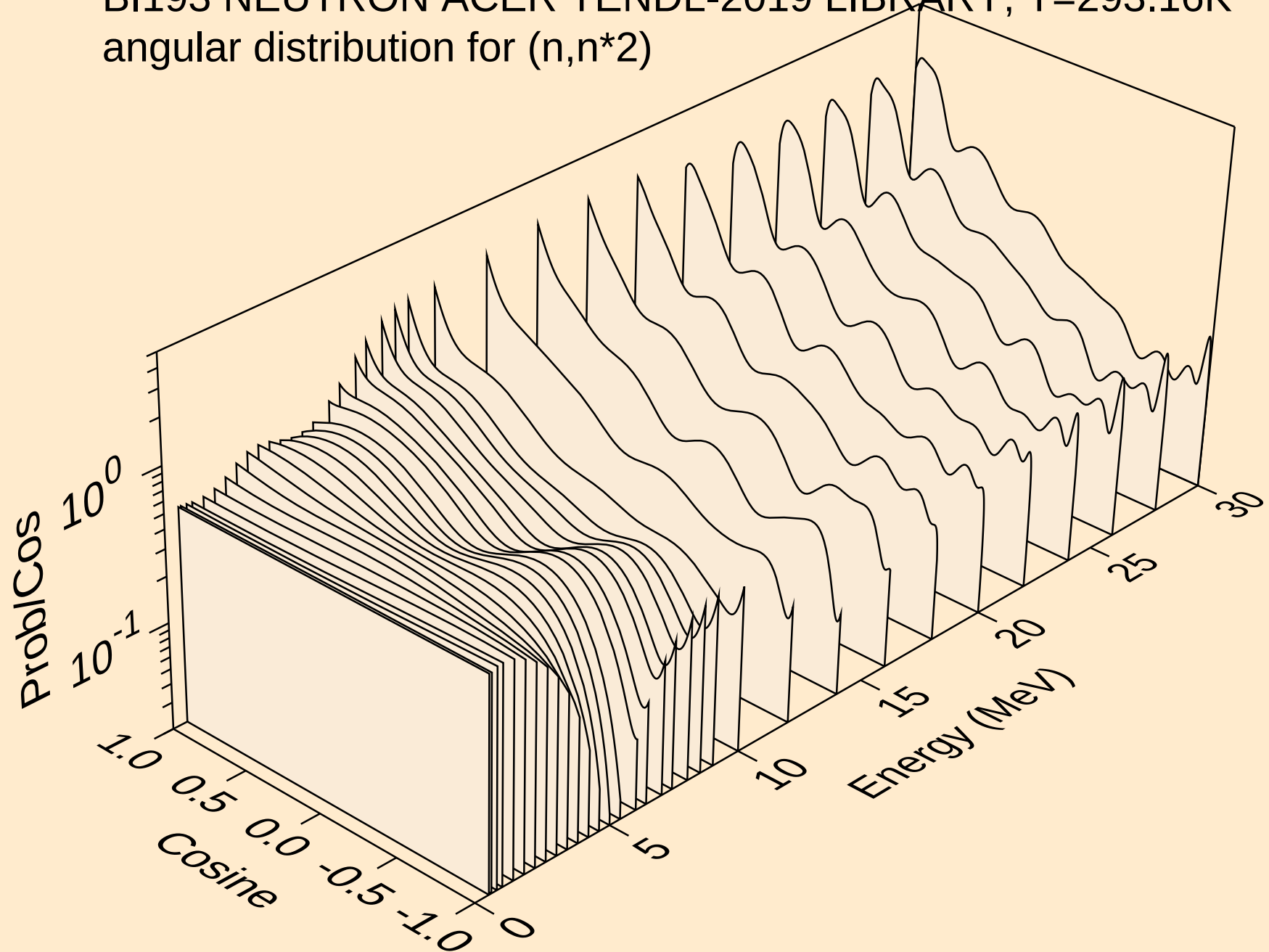
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



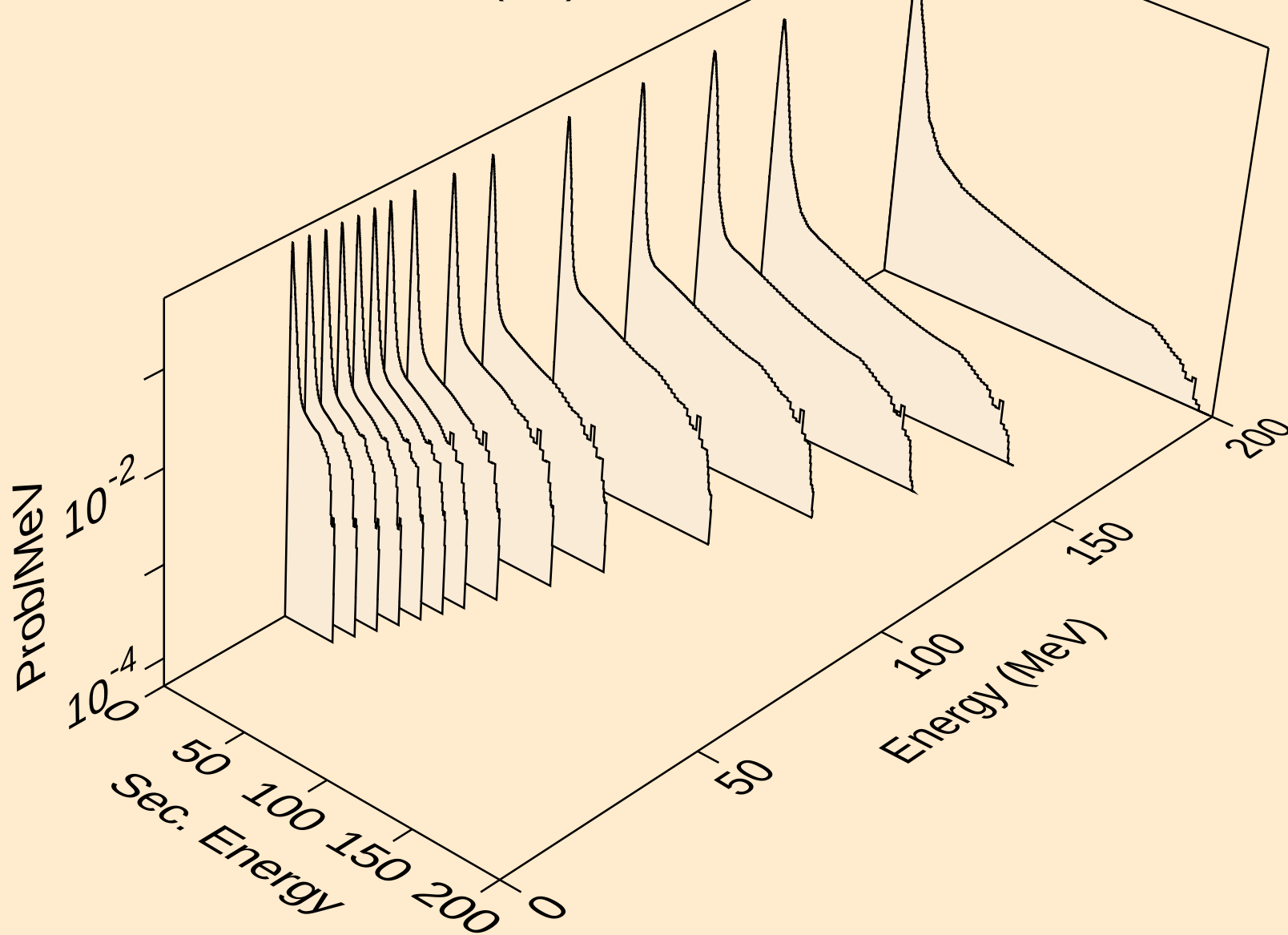
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



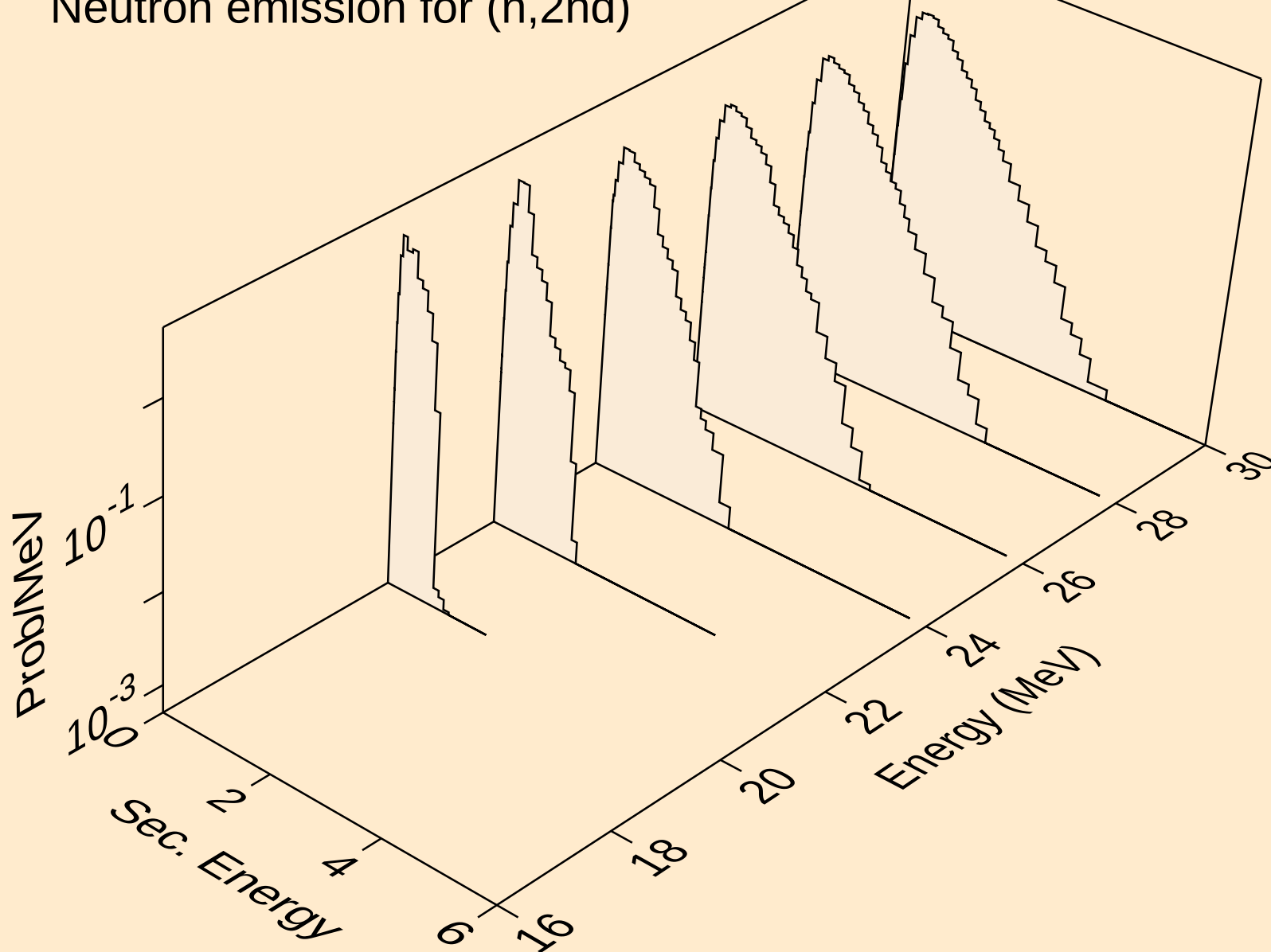
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



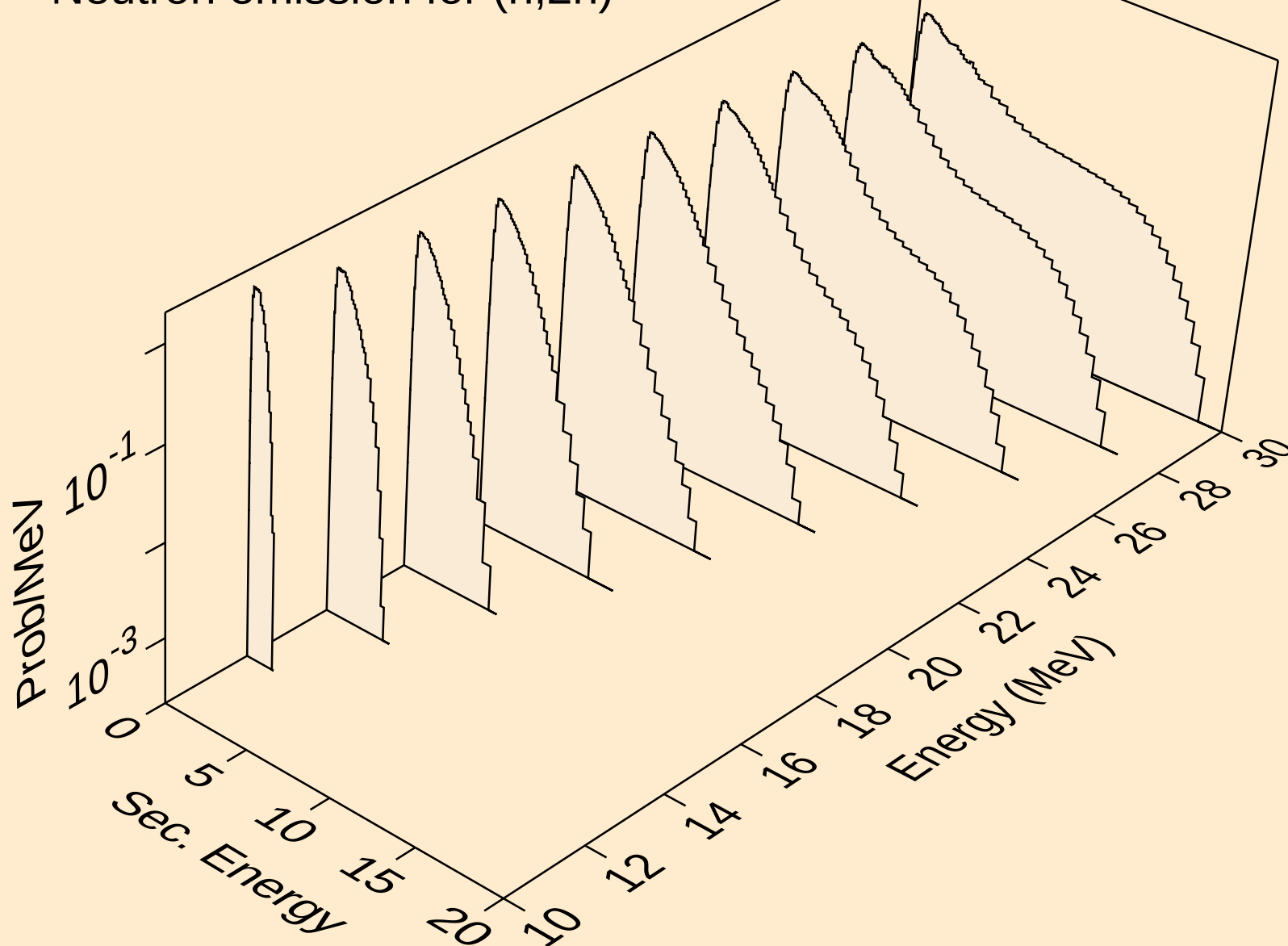
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



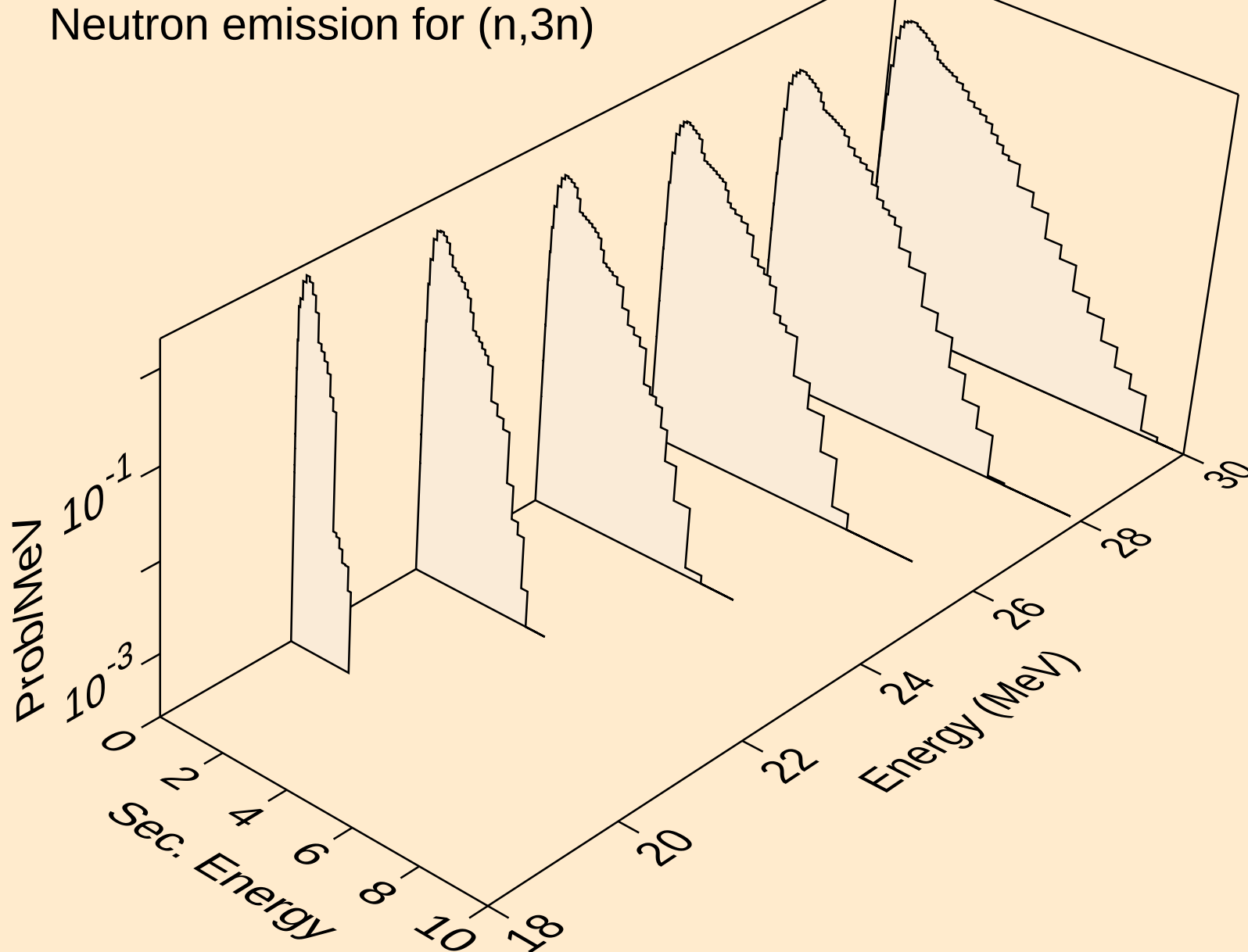
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



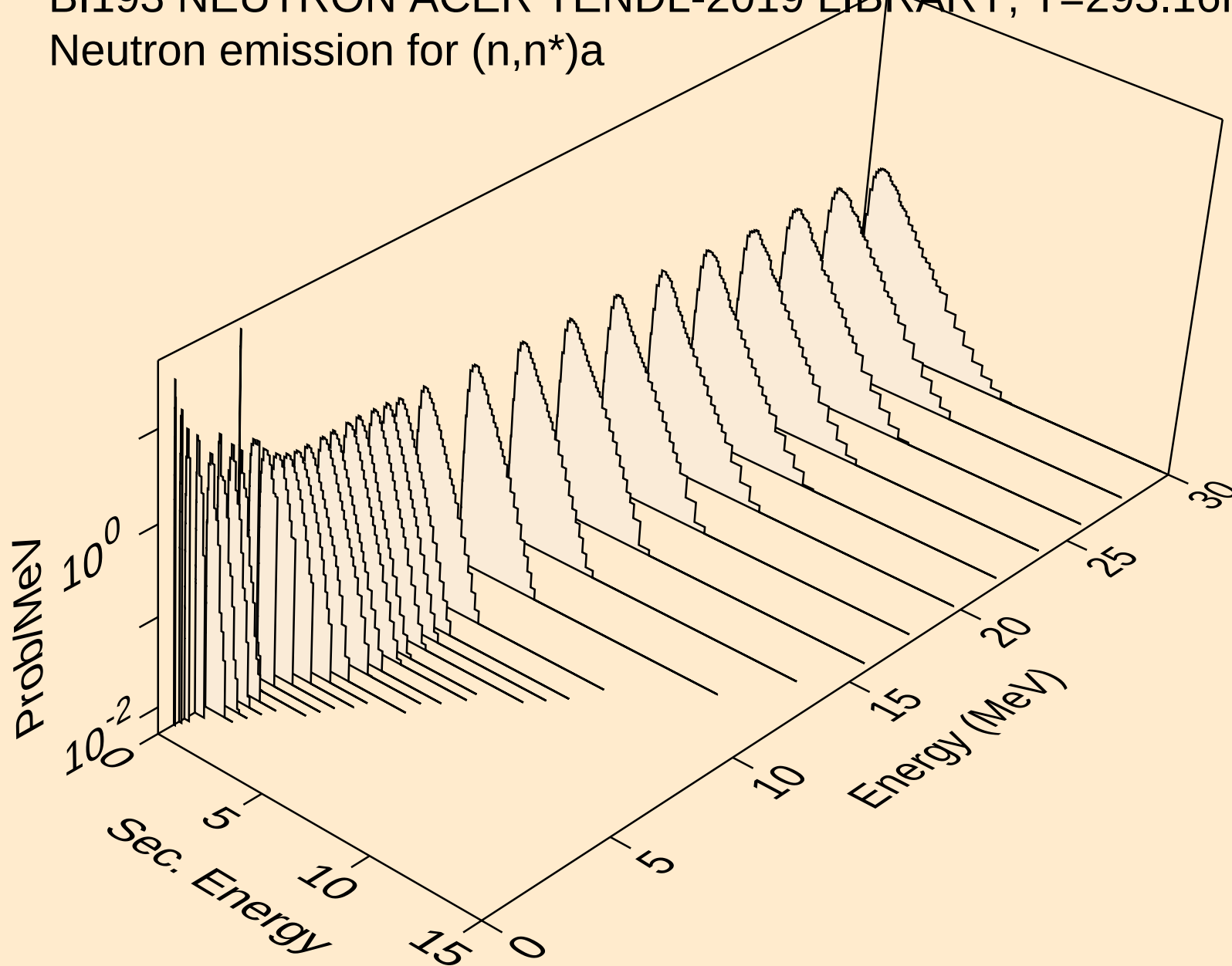
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



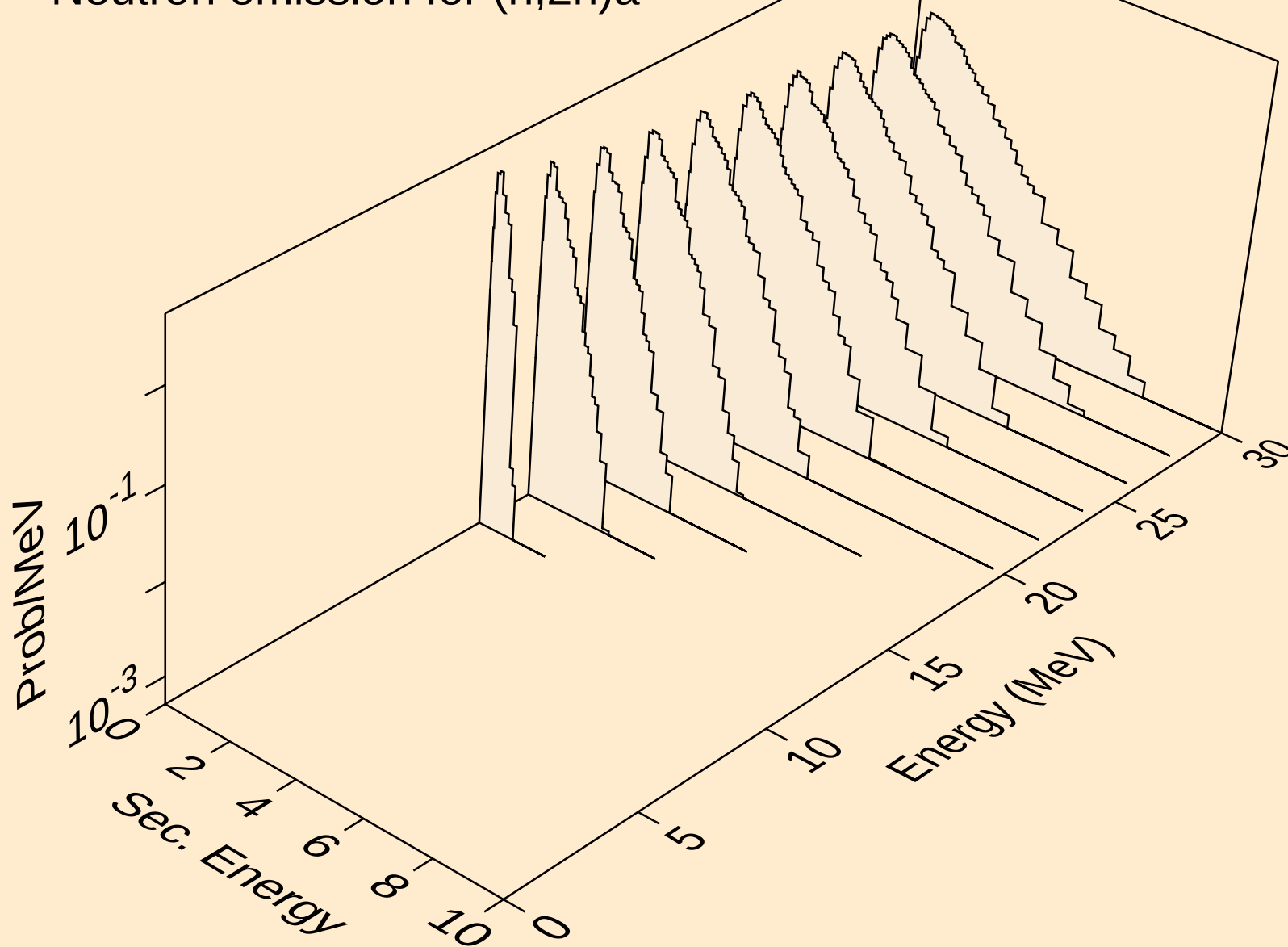
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



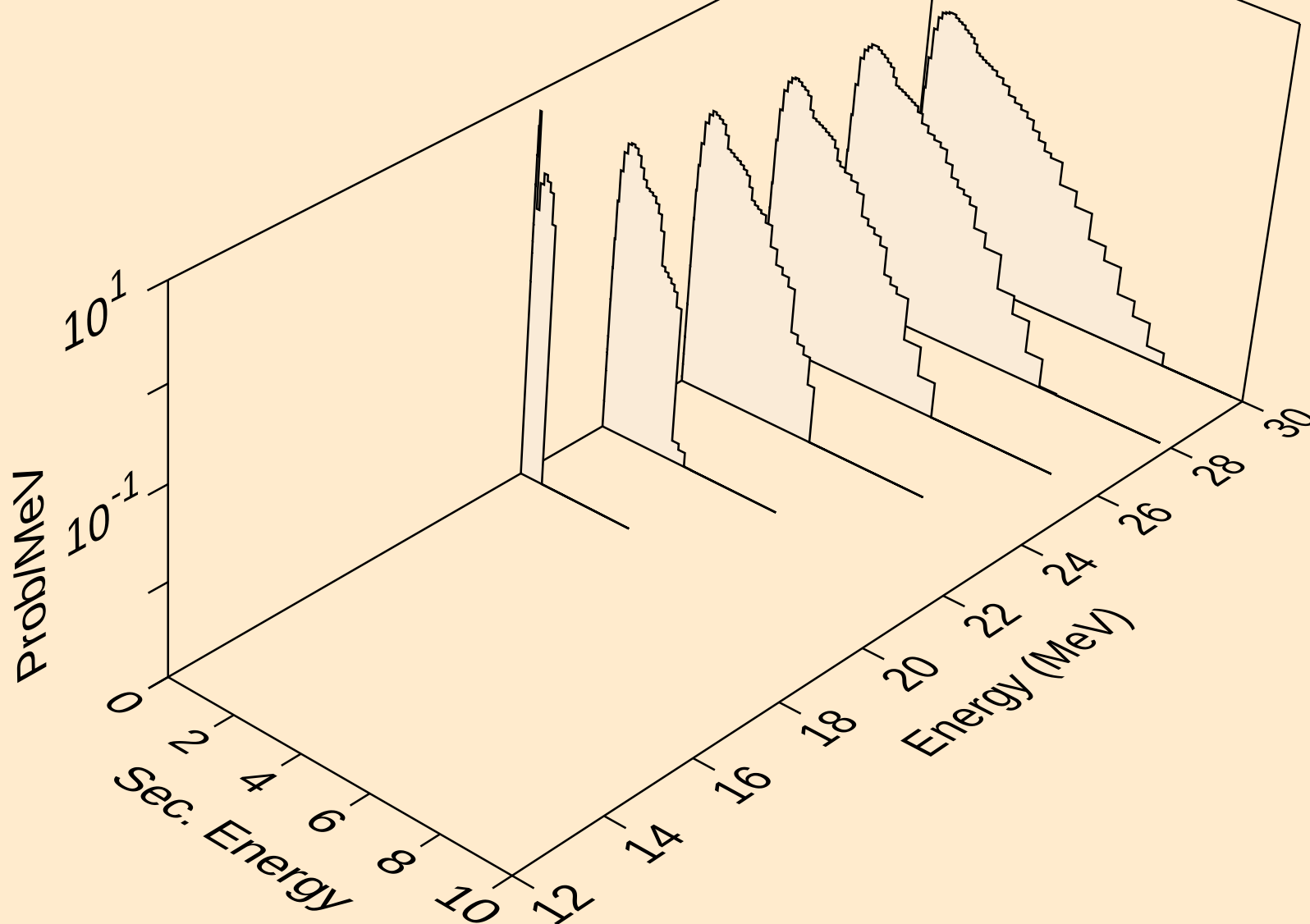
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



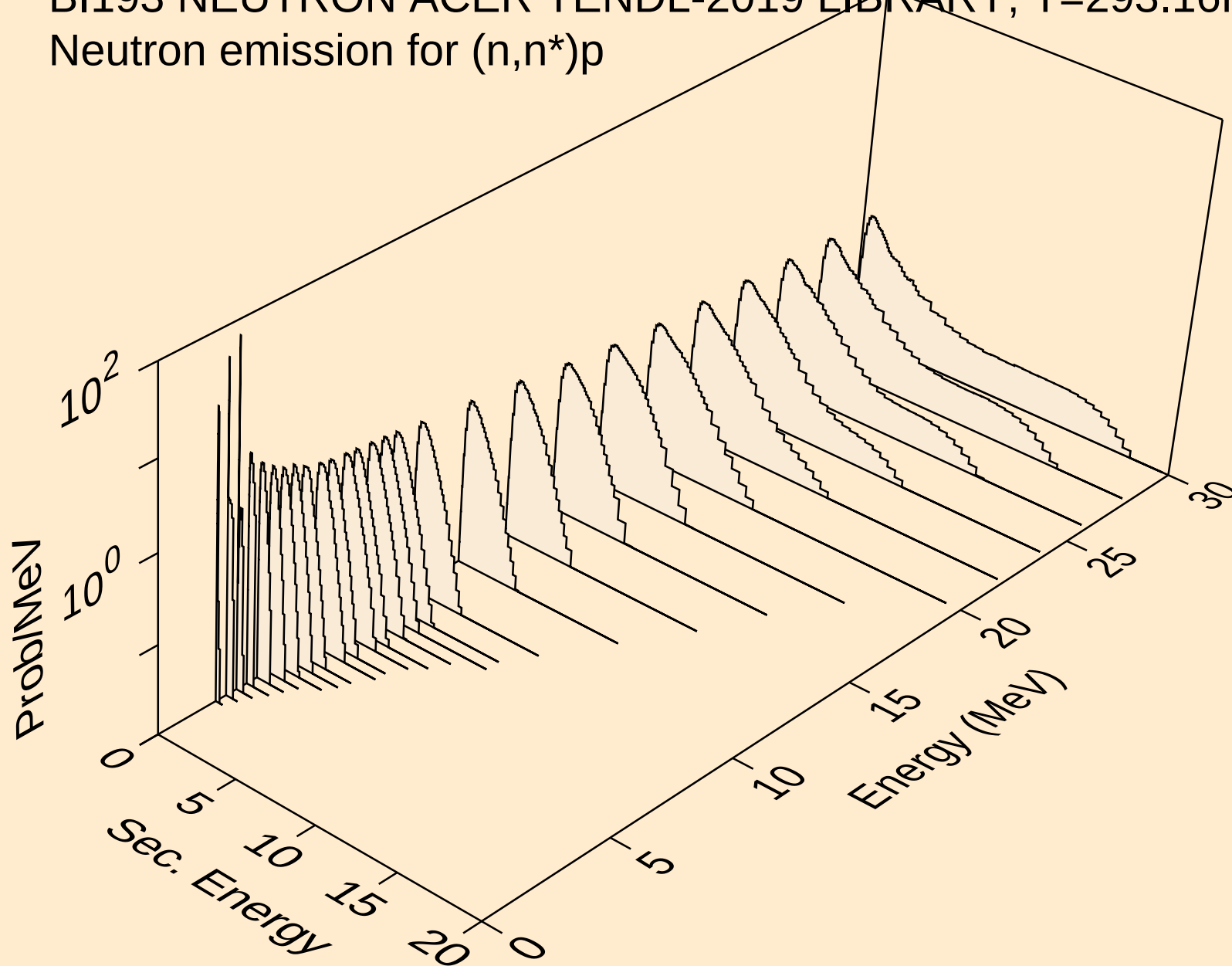
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)_a



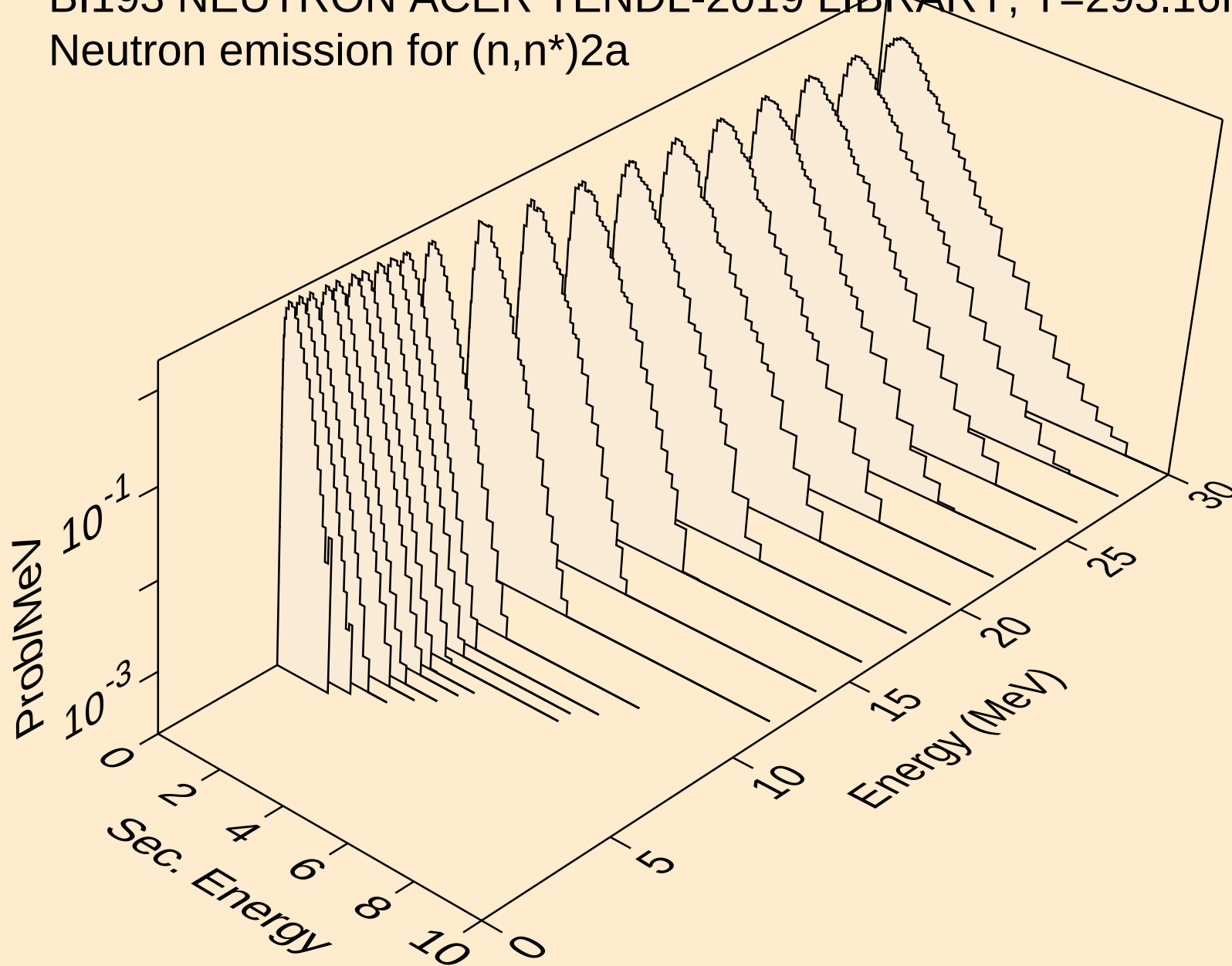
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



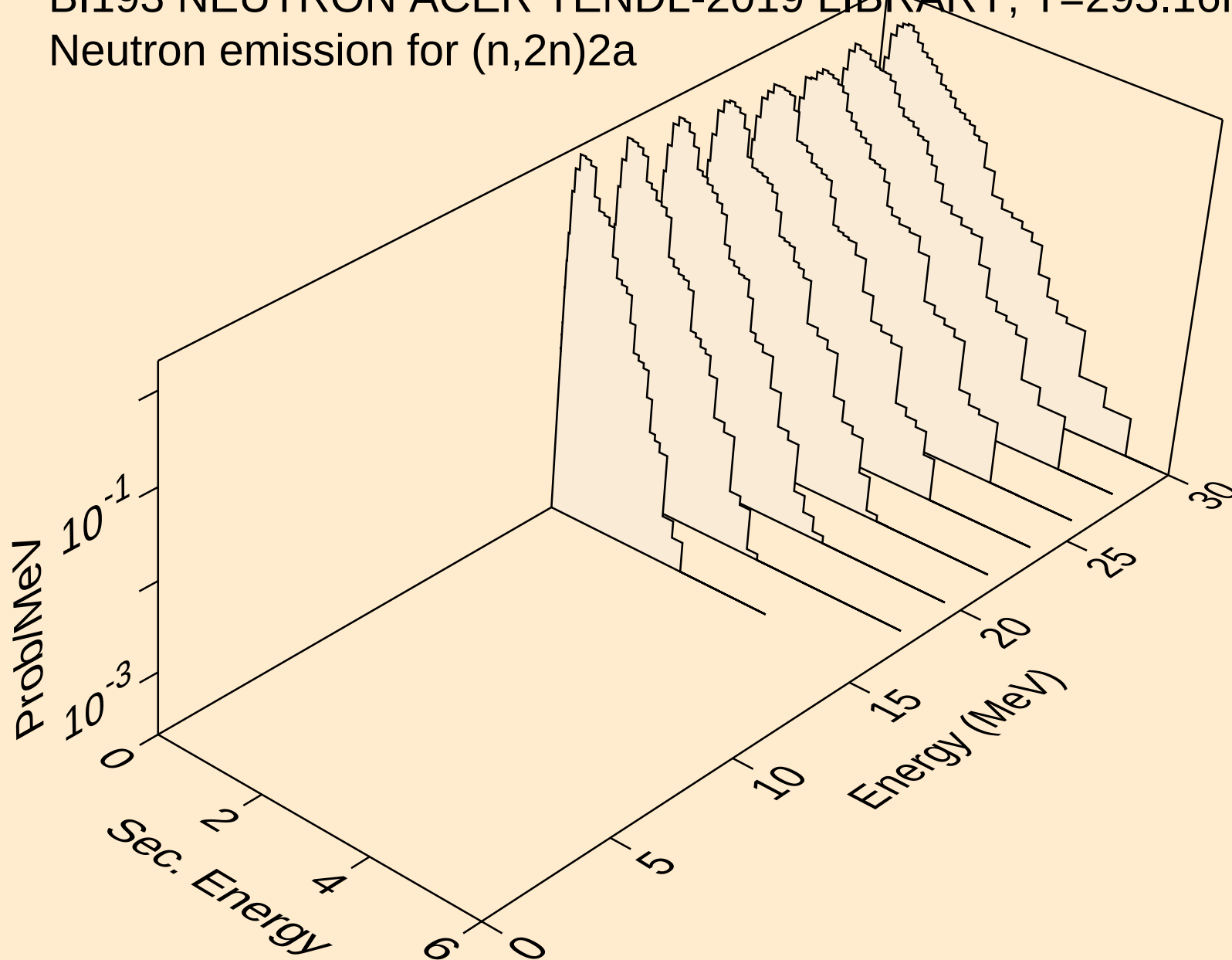
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



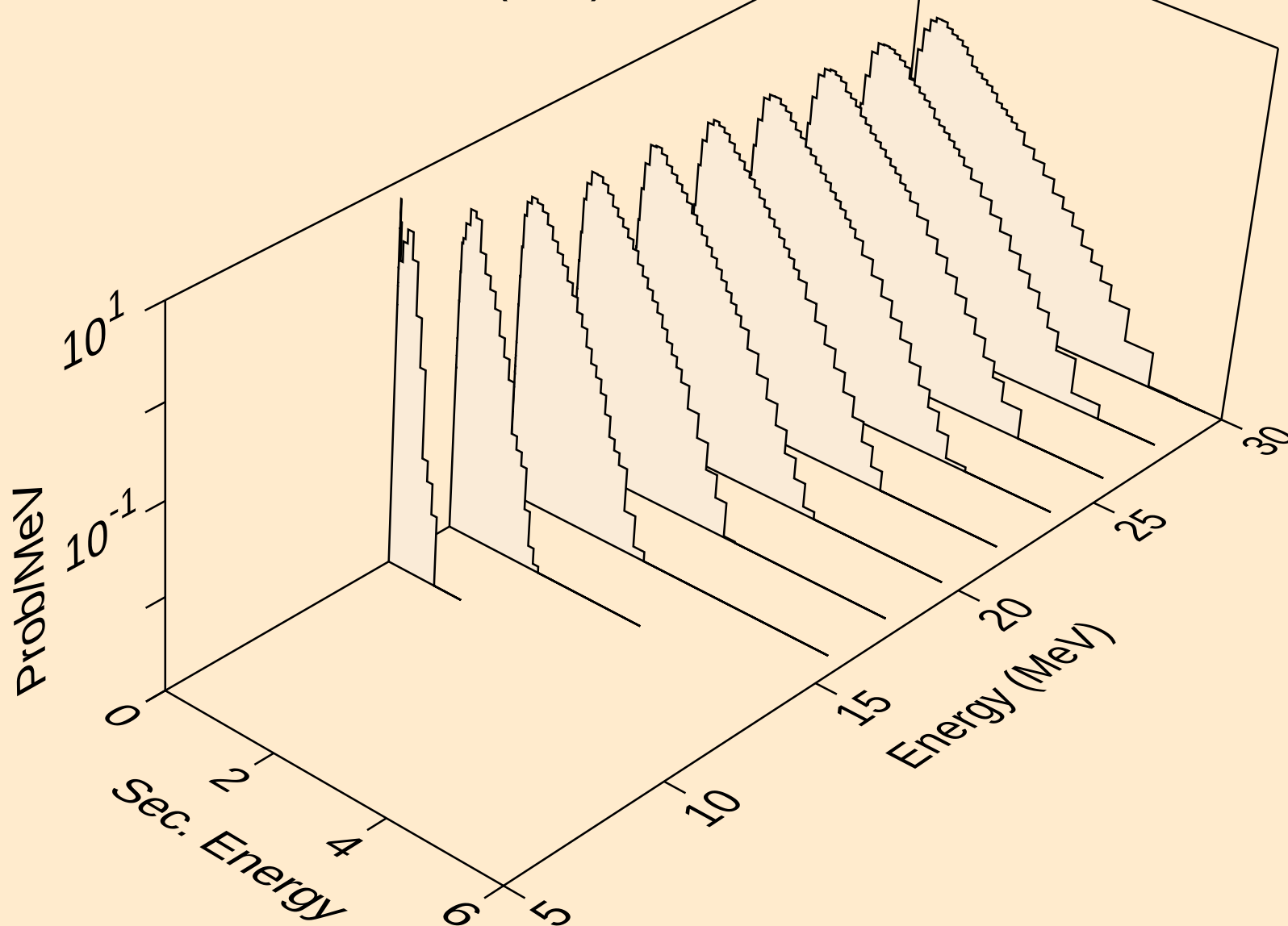
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



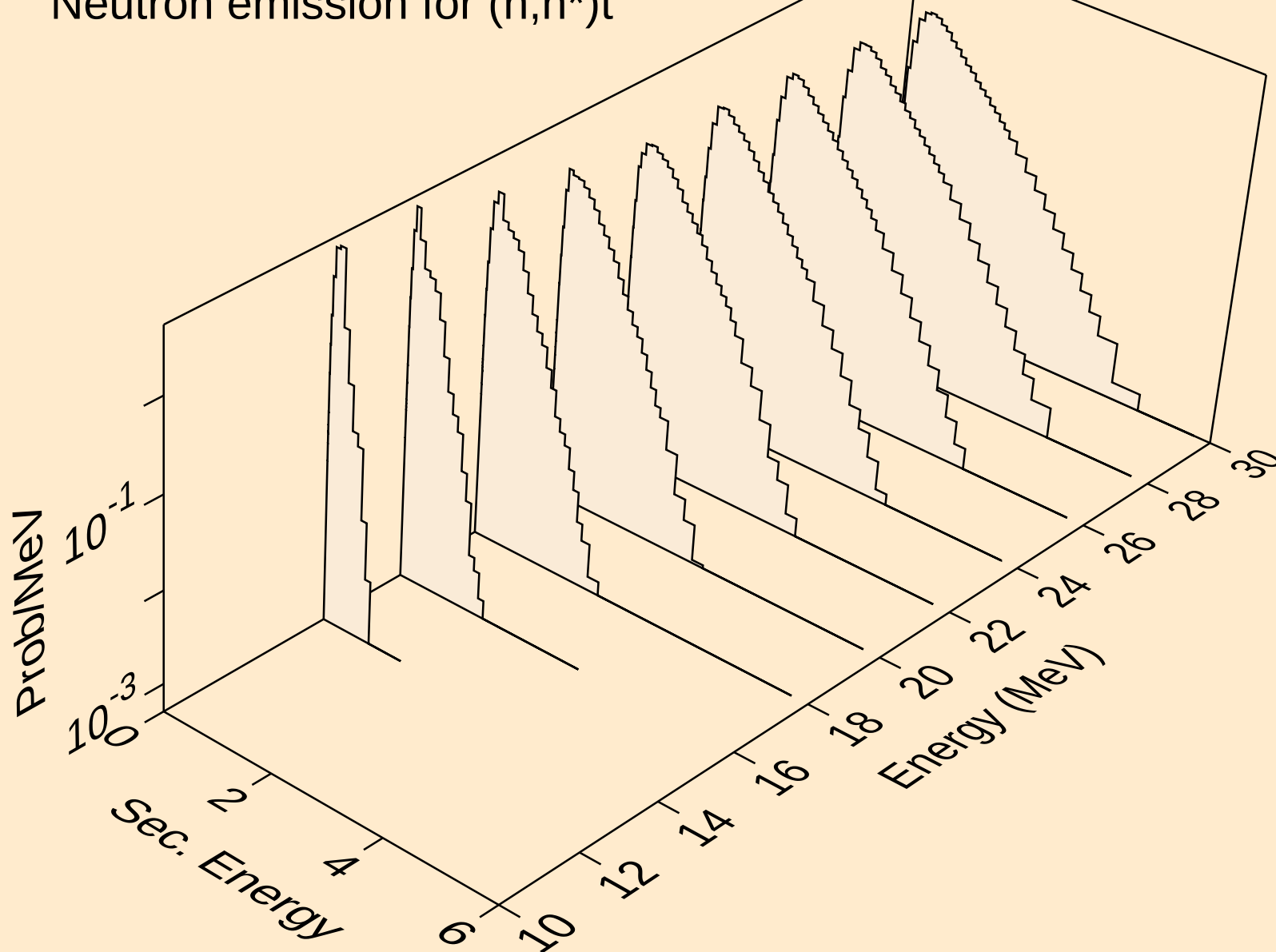
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



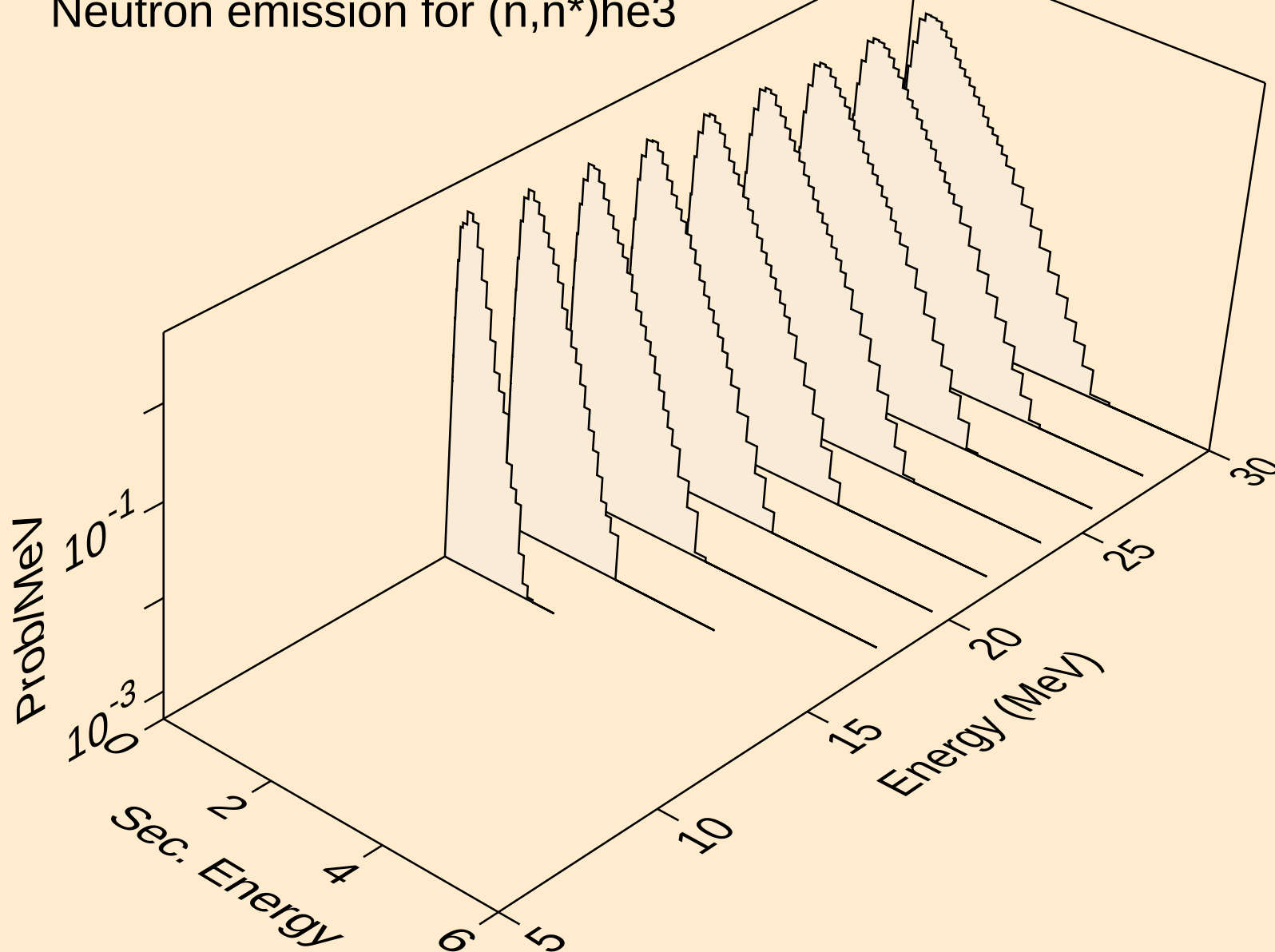
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



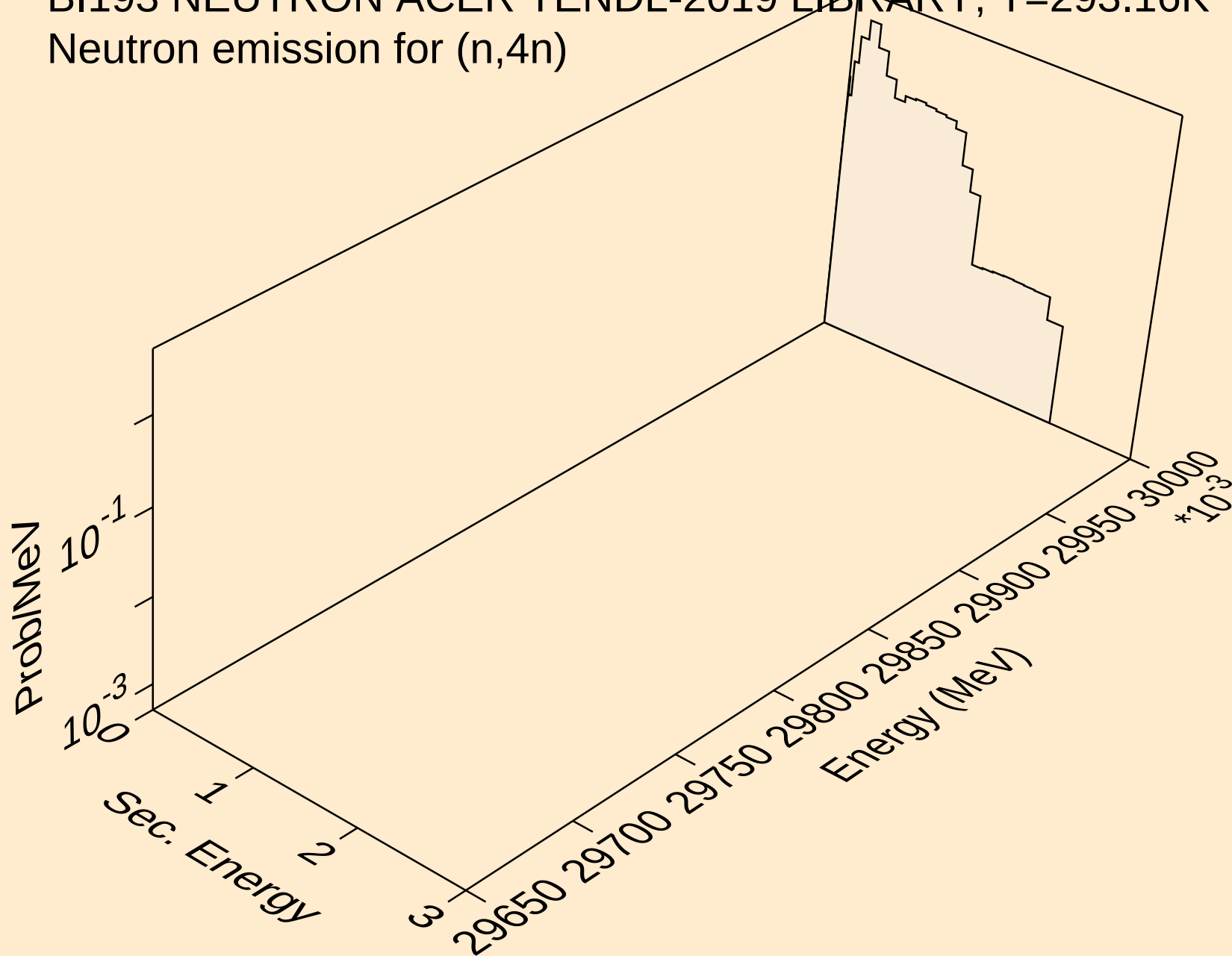
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



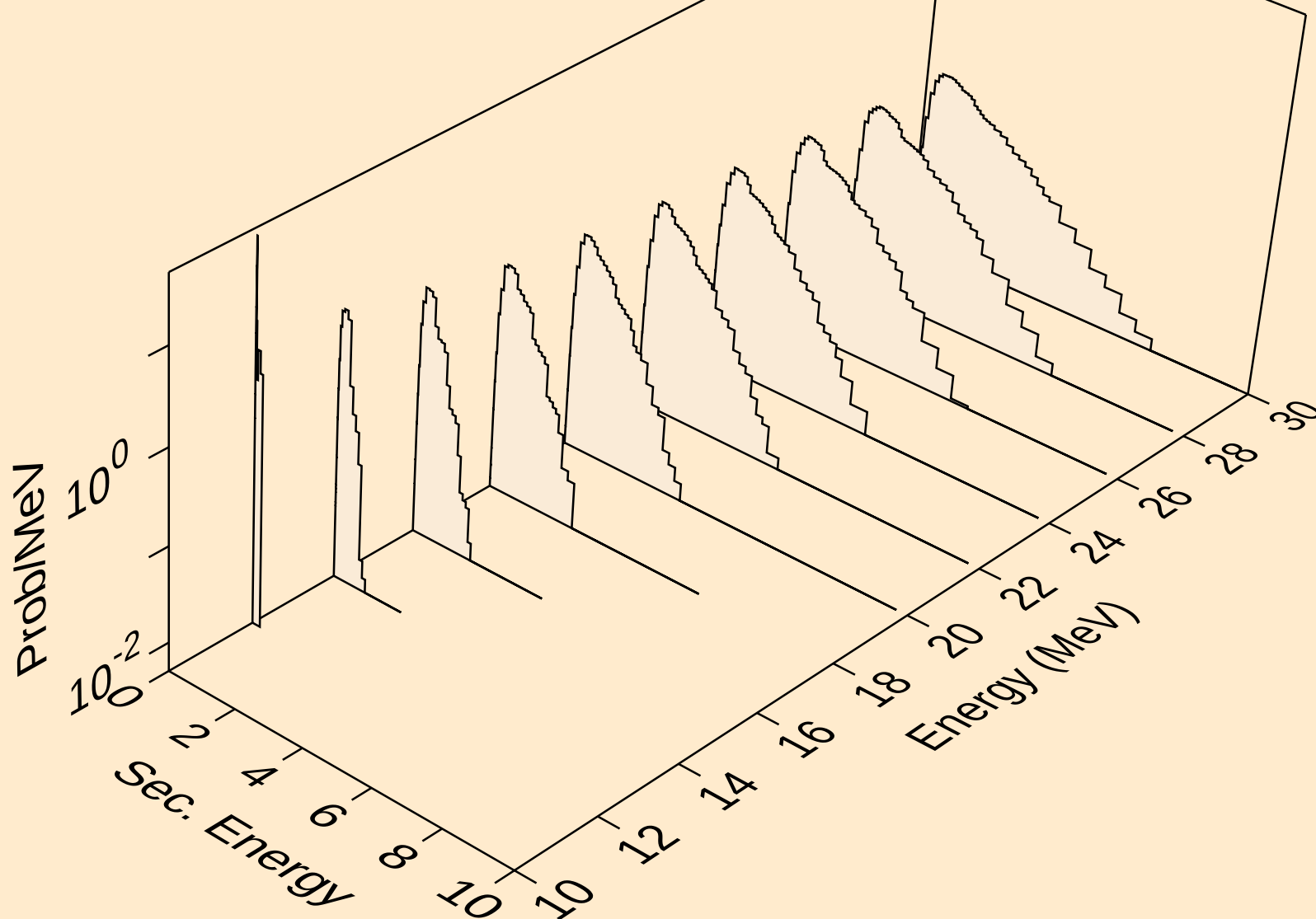
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



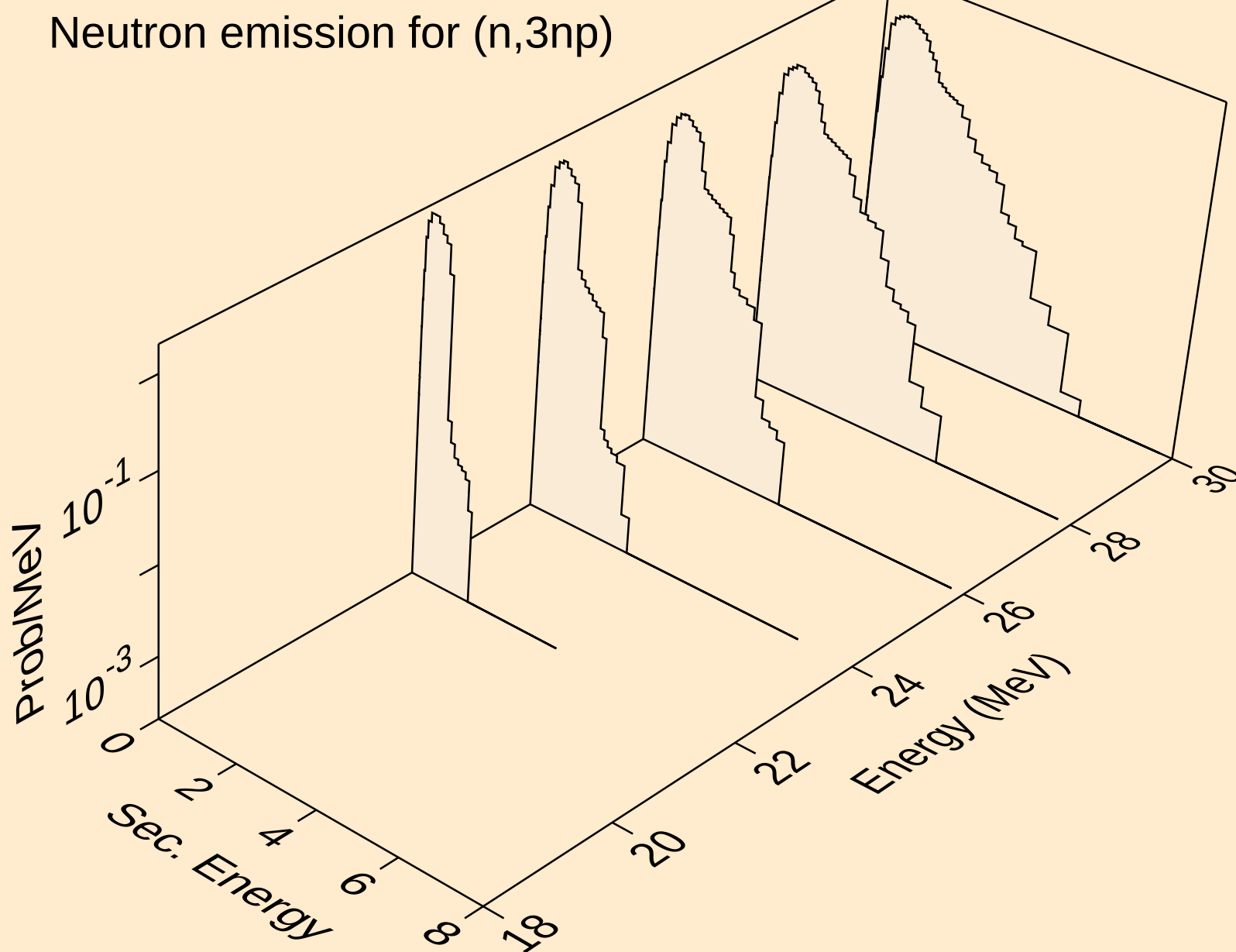
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



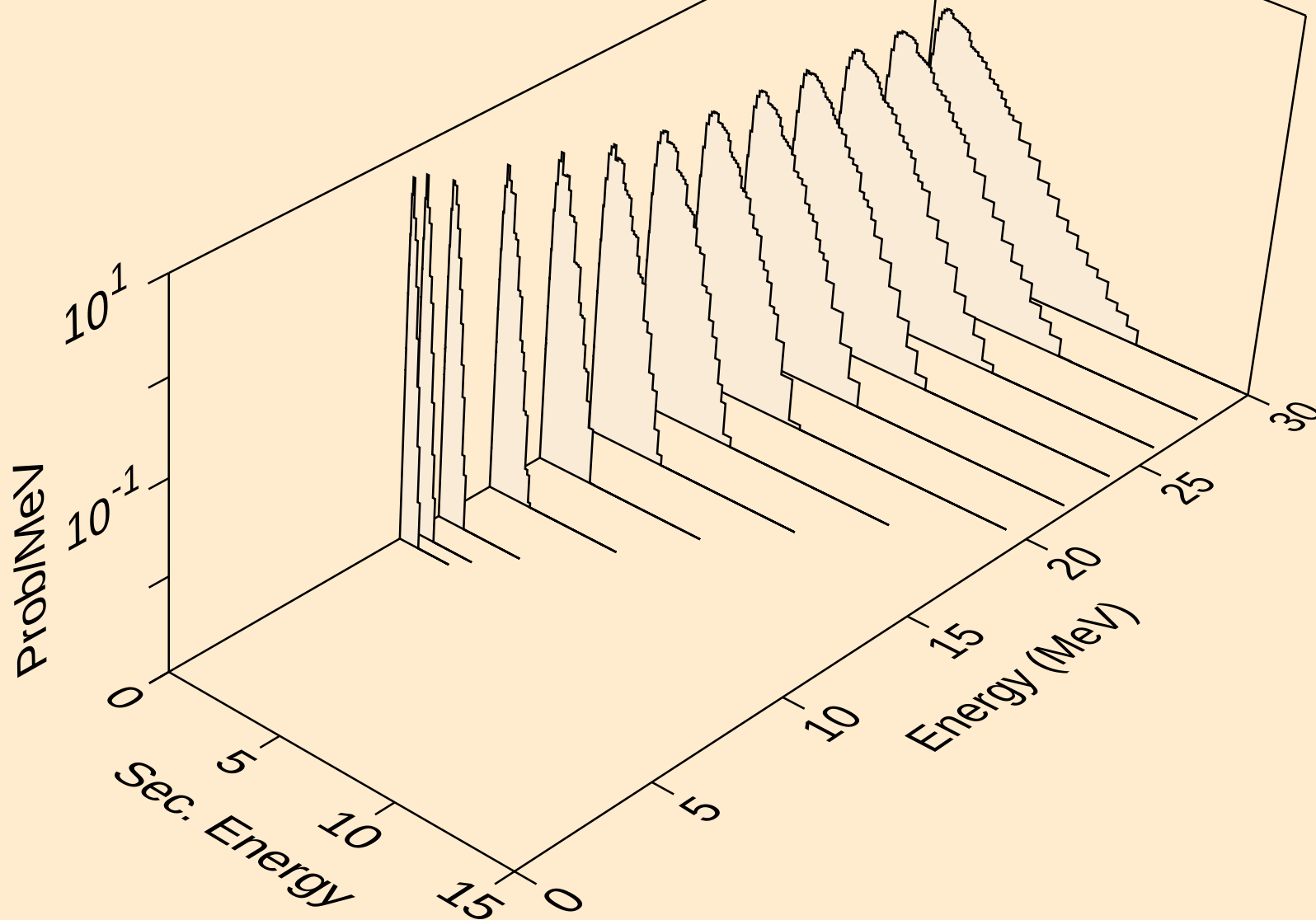
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



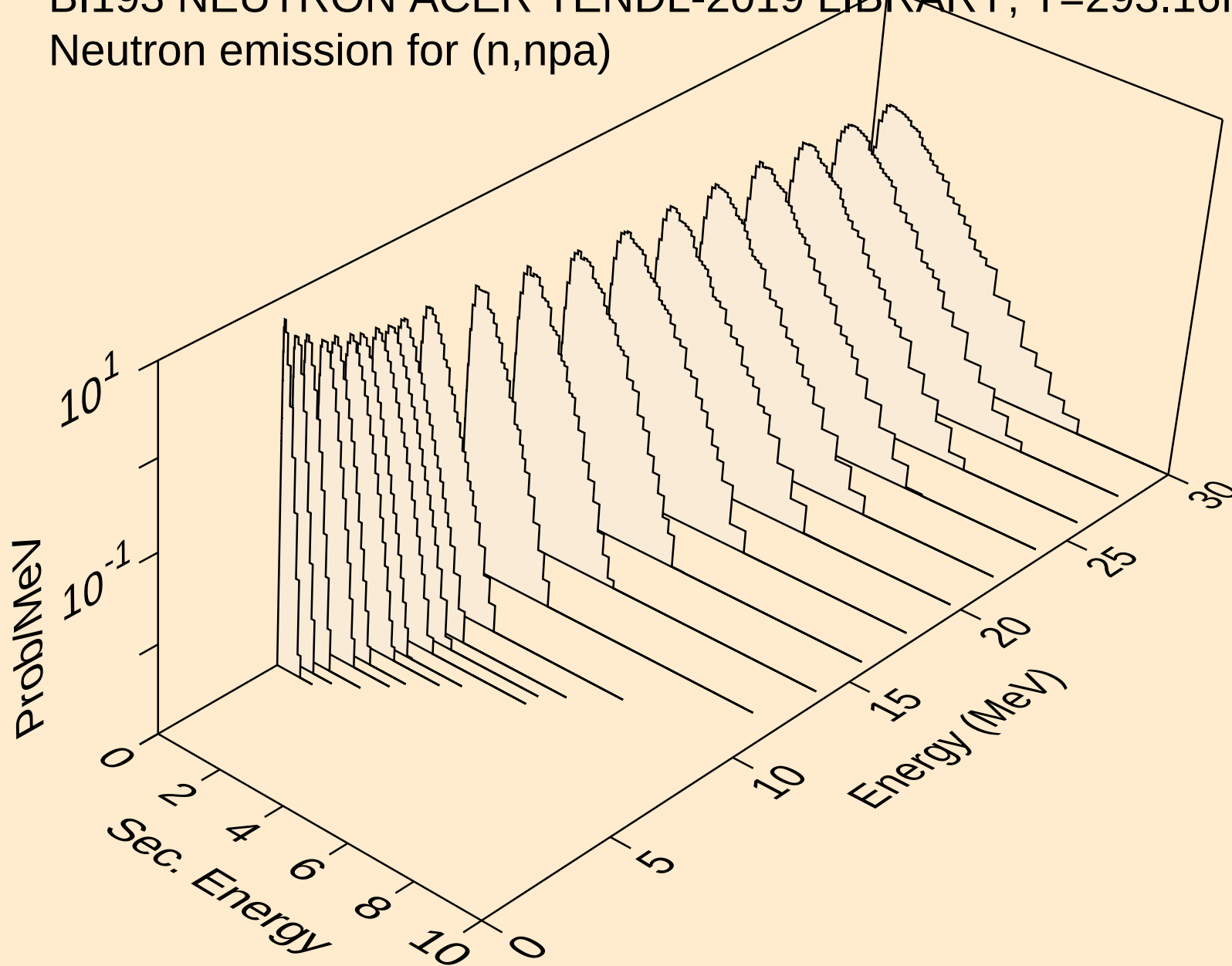
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Neutron emission for (n,3np)



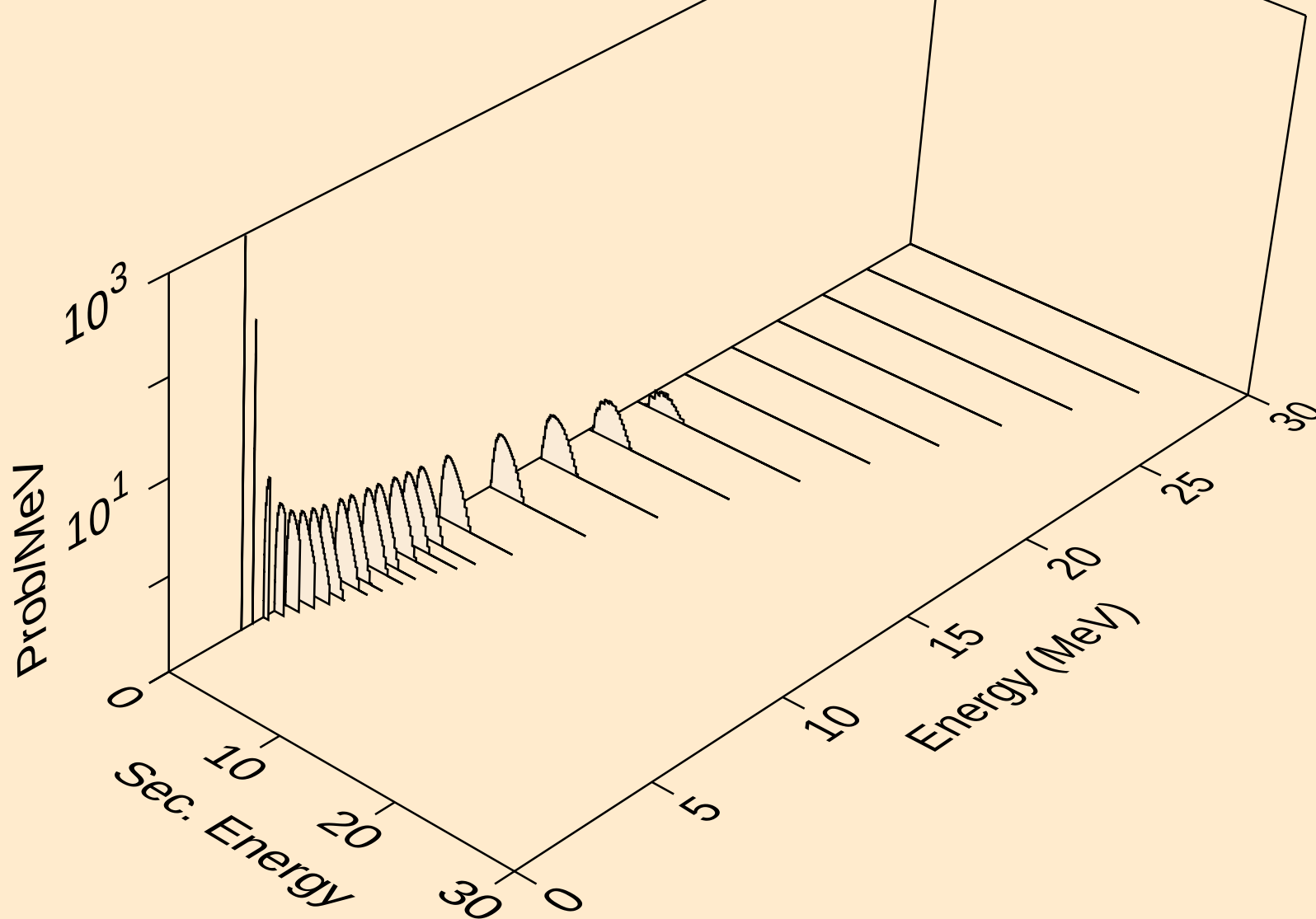
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Neutron emission for (n,2np)



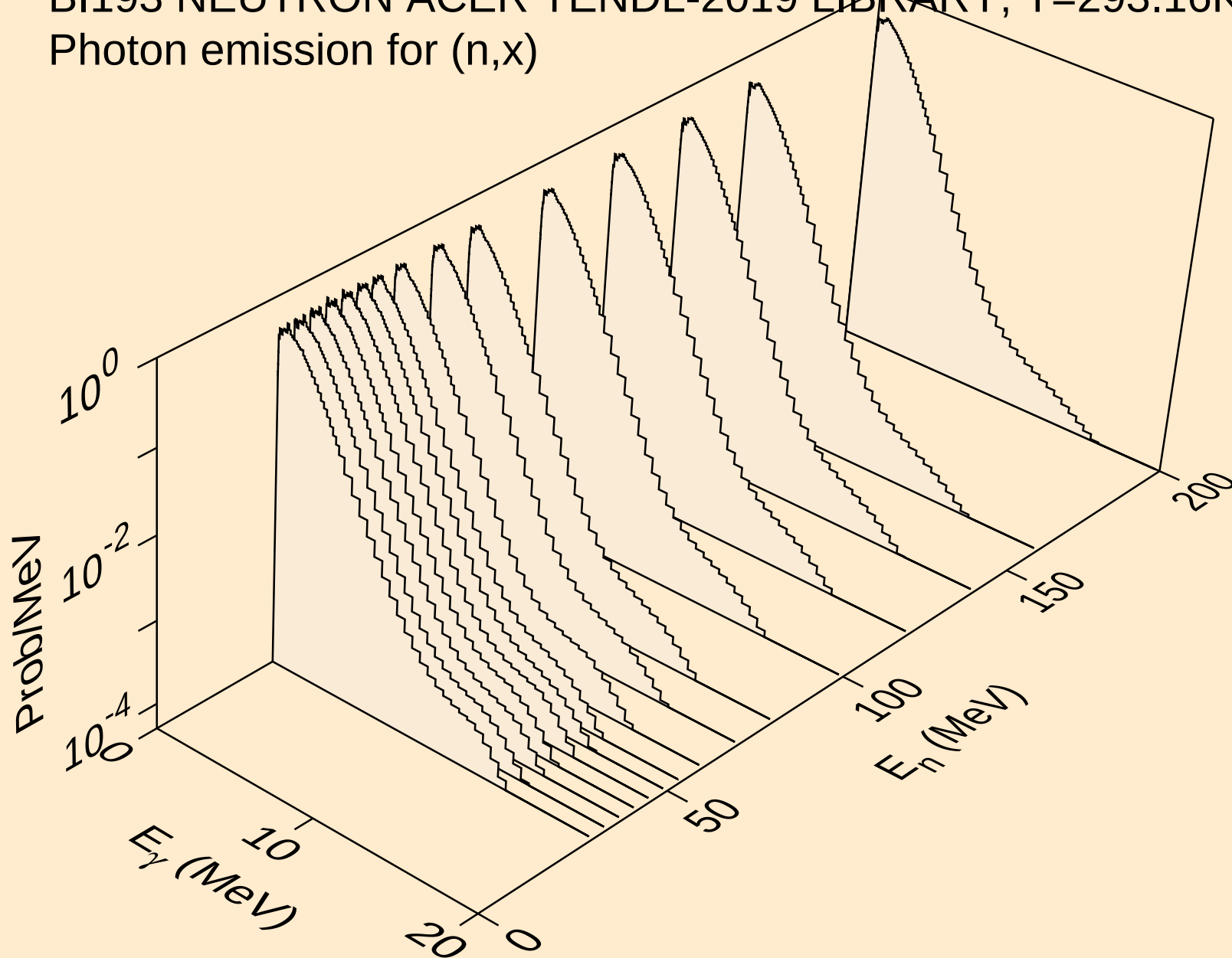
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



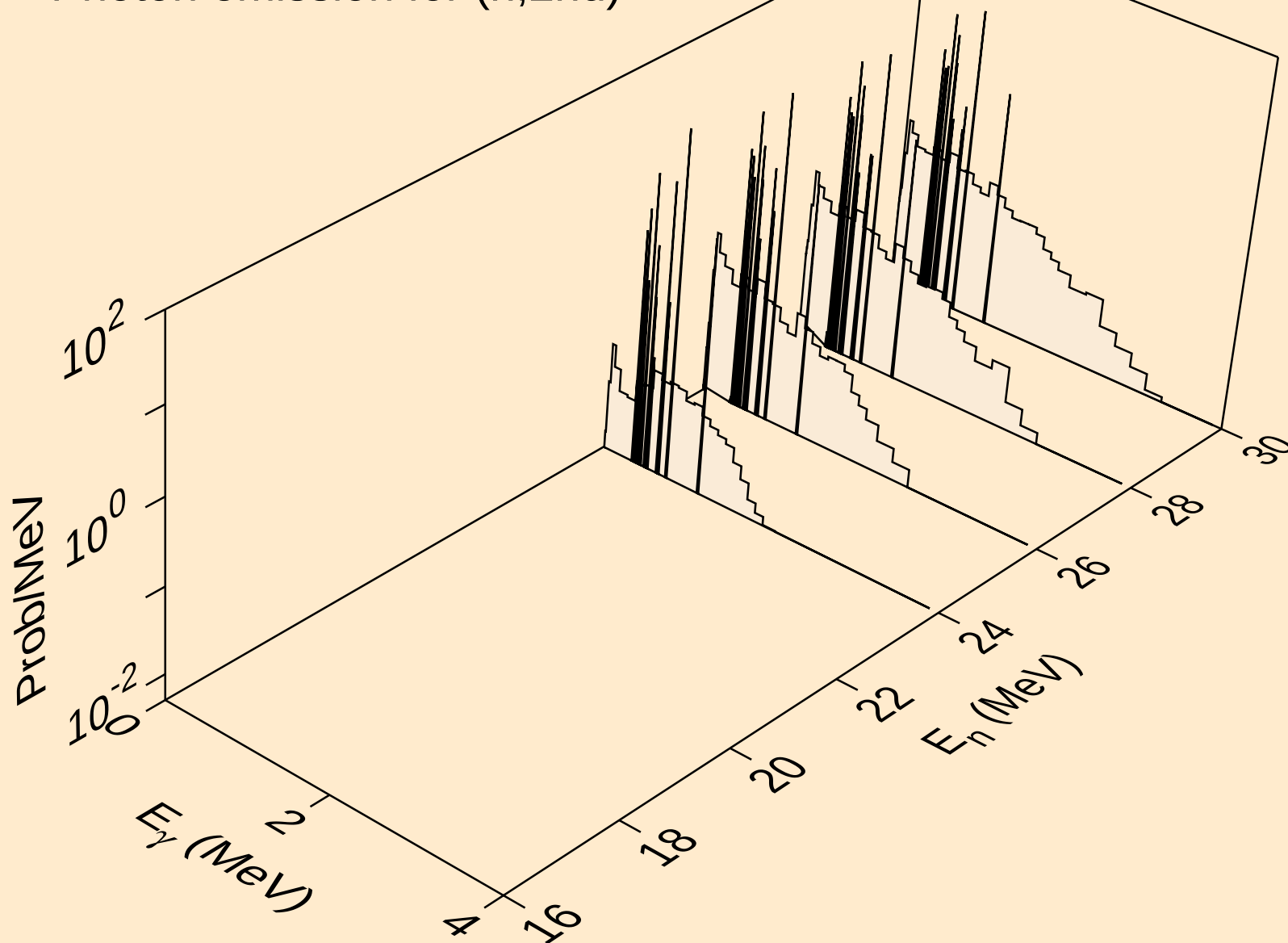
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



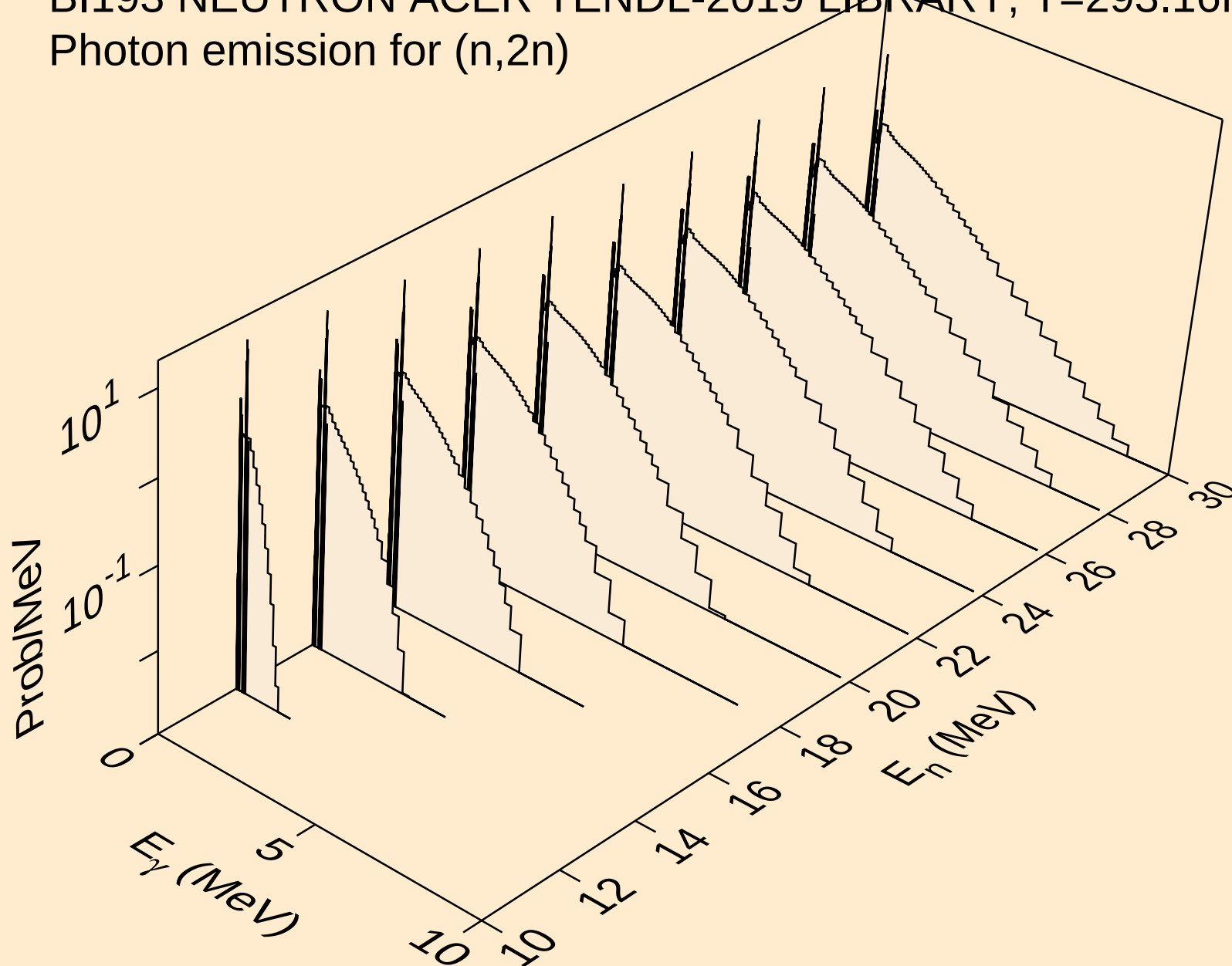
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



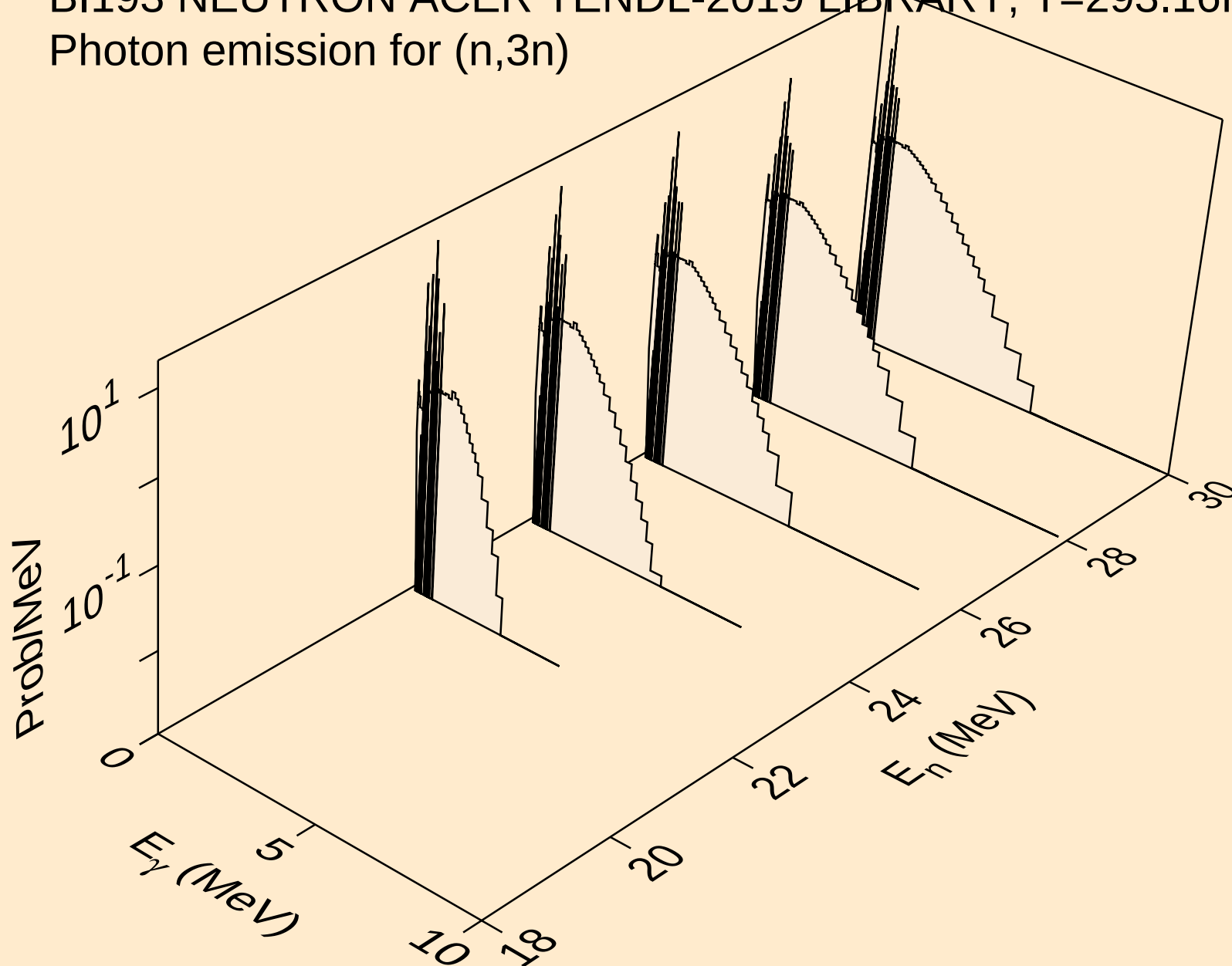
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



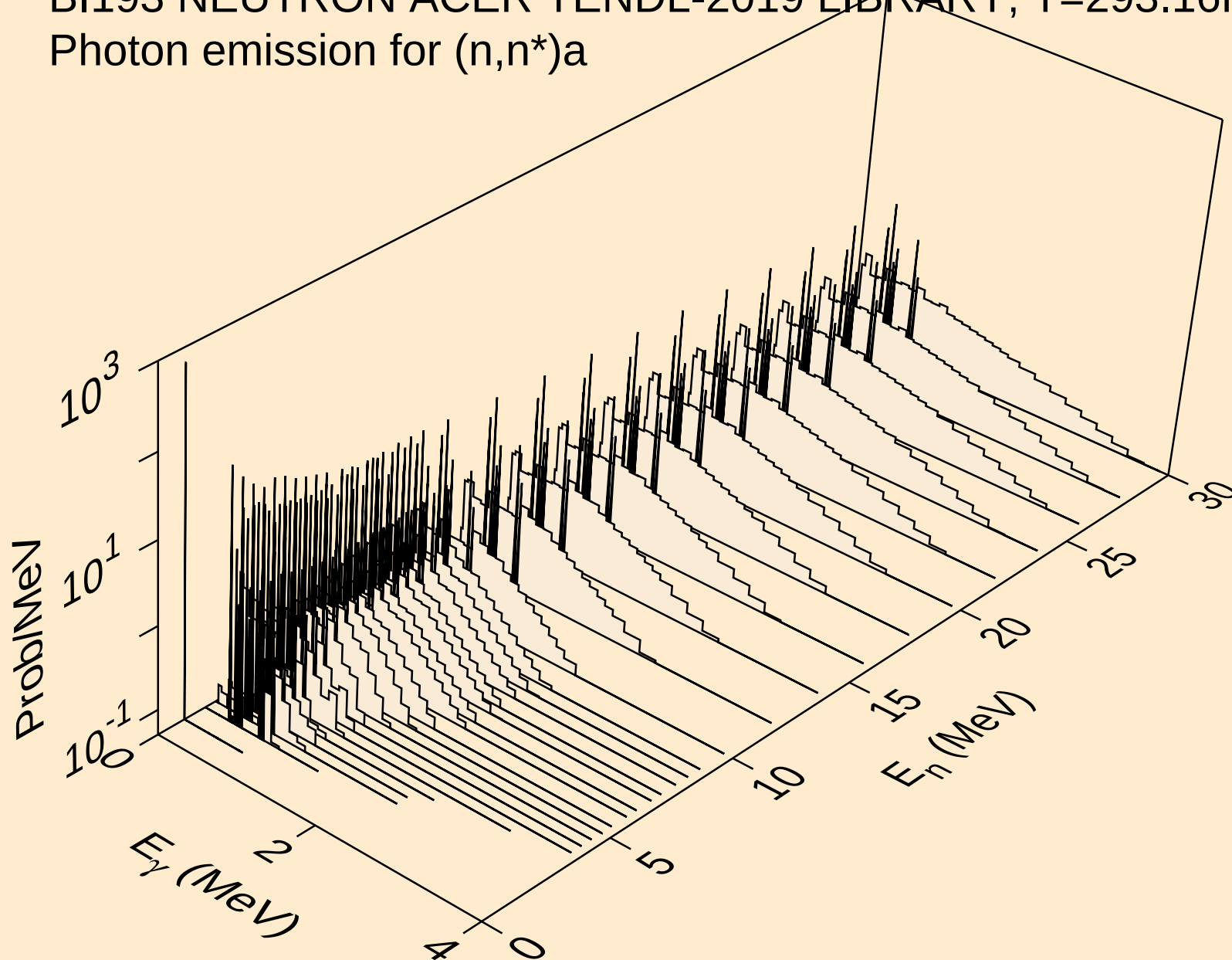
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



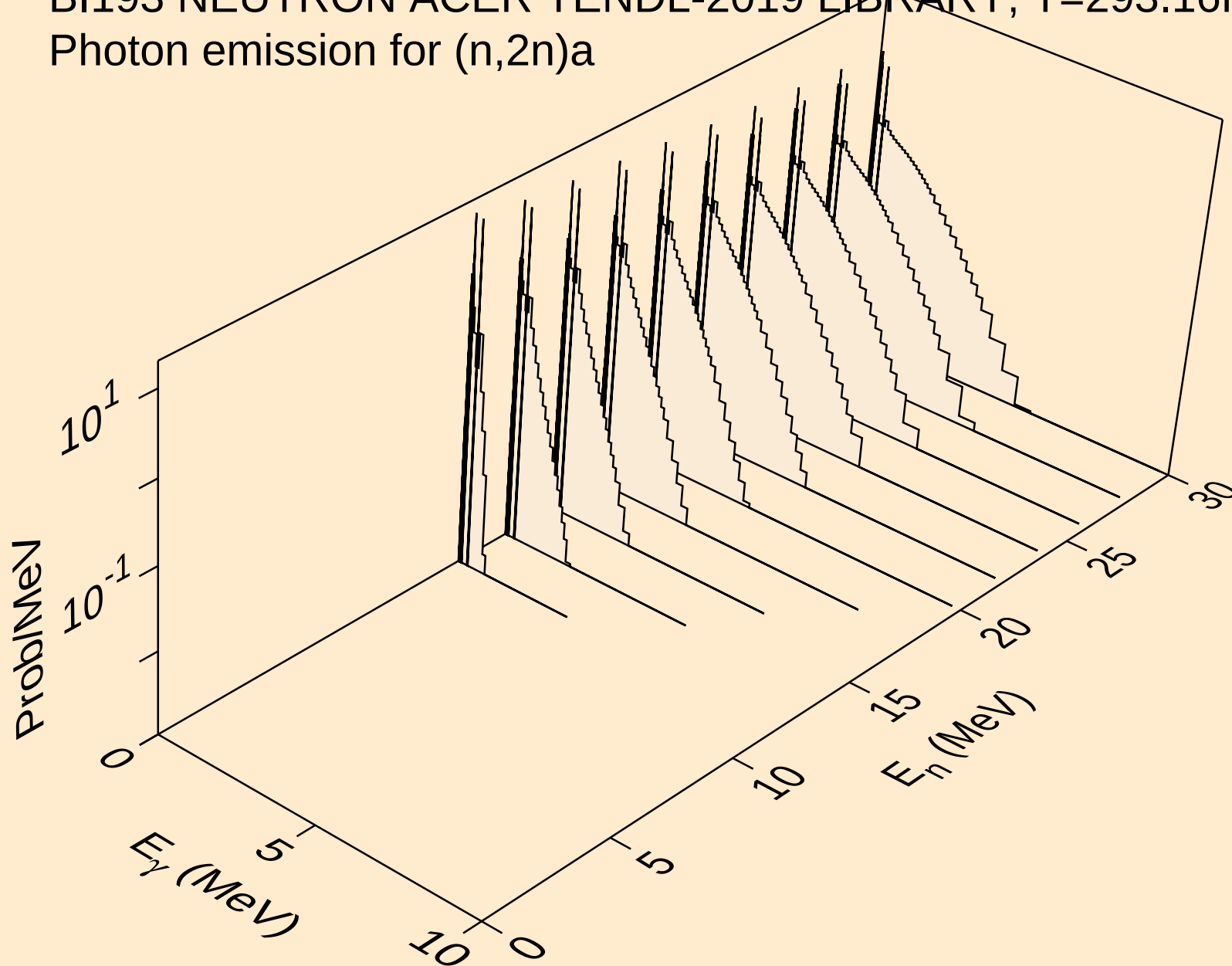
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



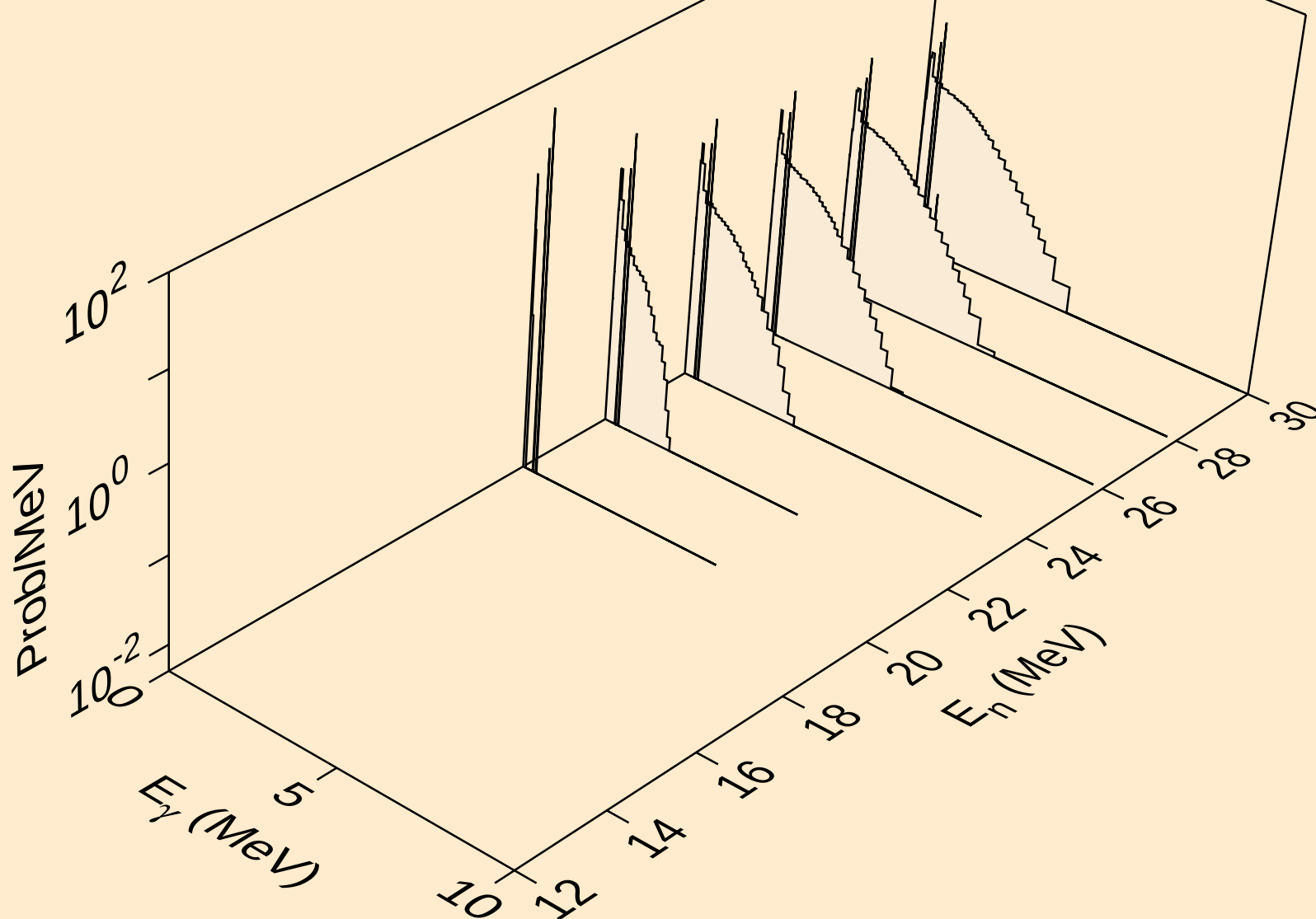
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



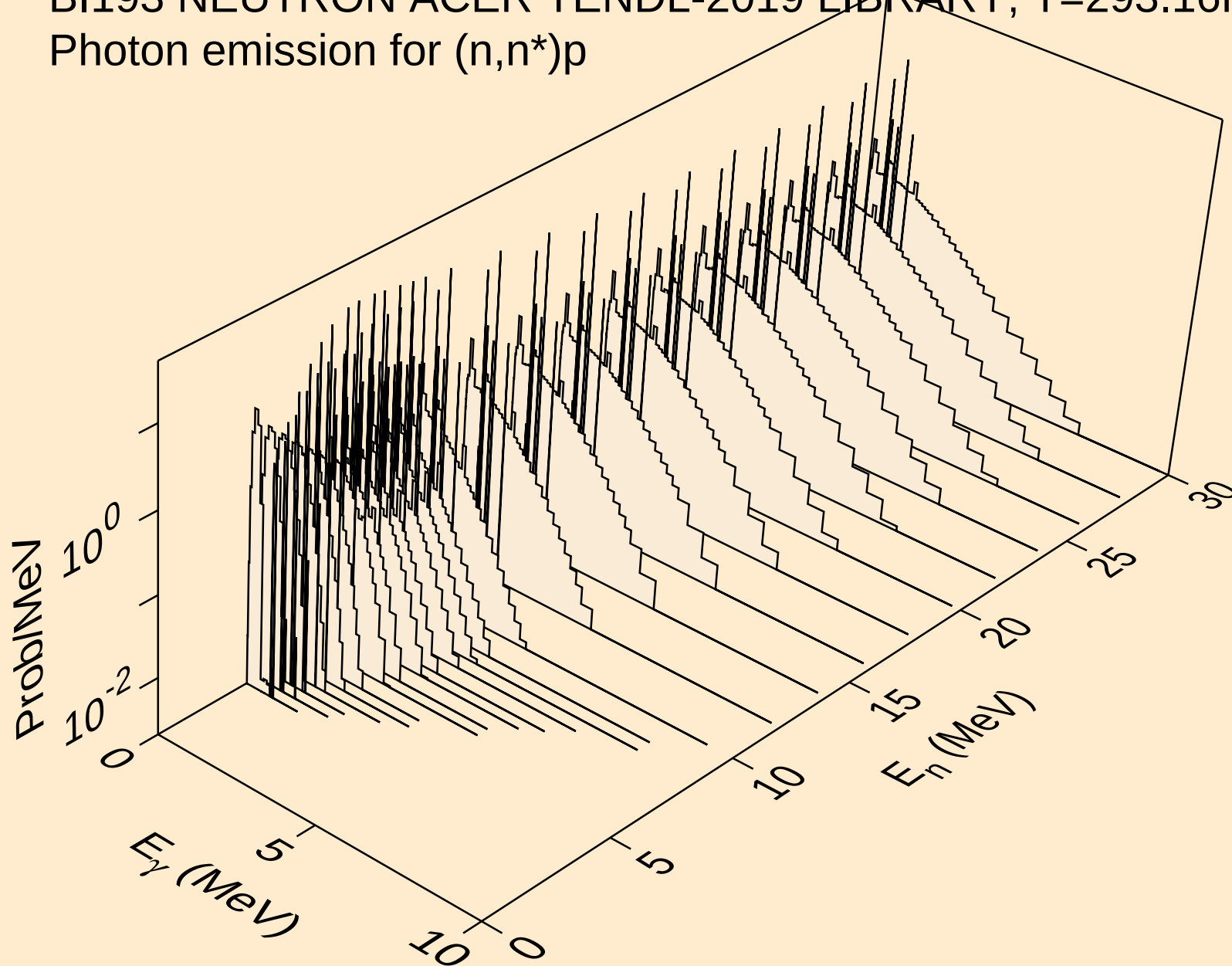
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n) α



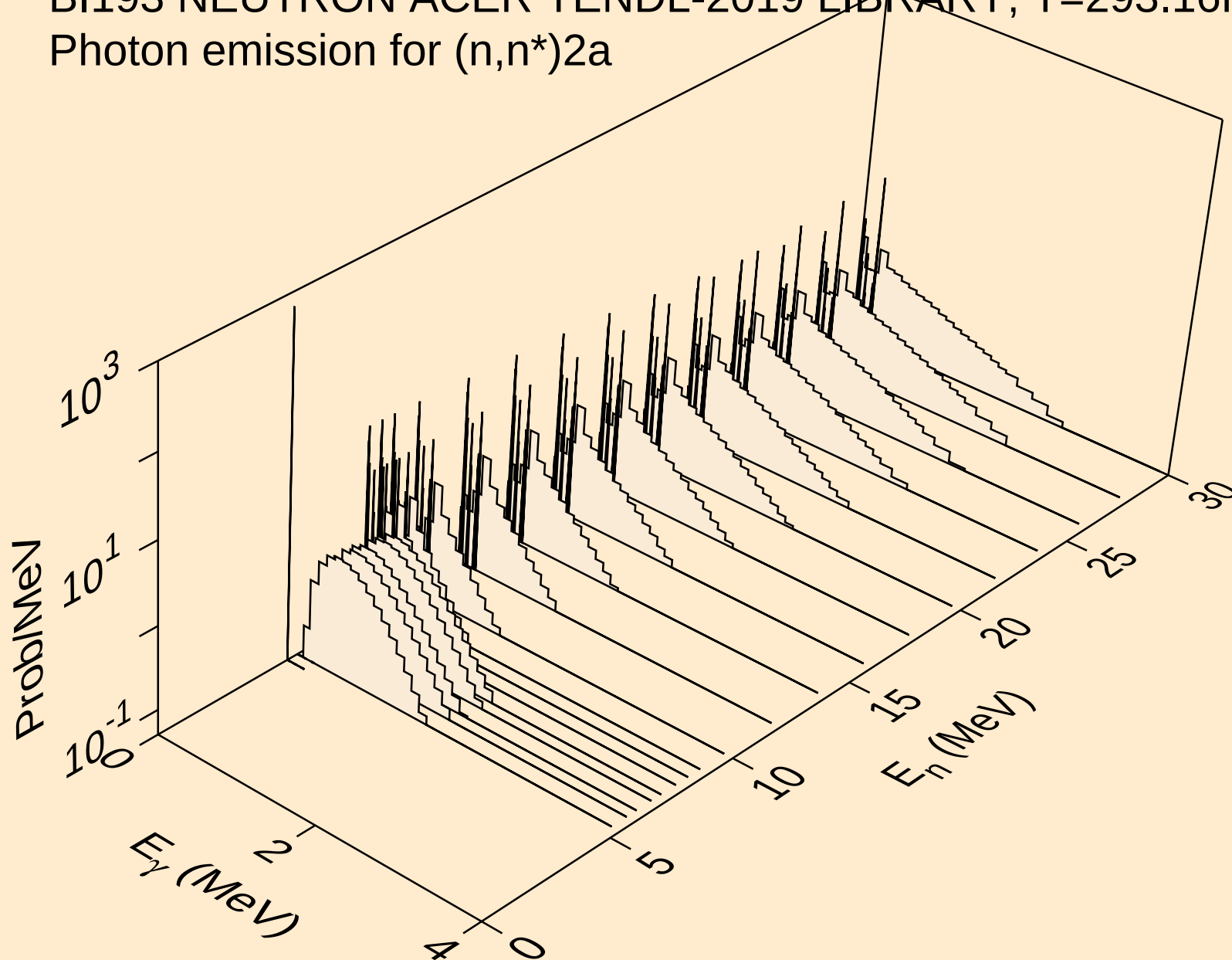
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n) α



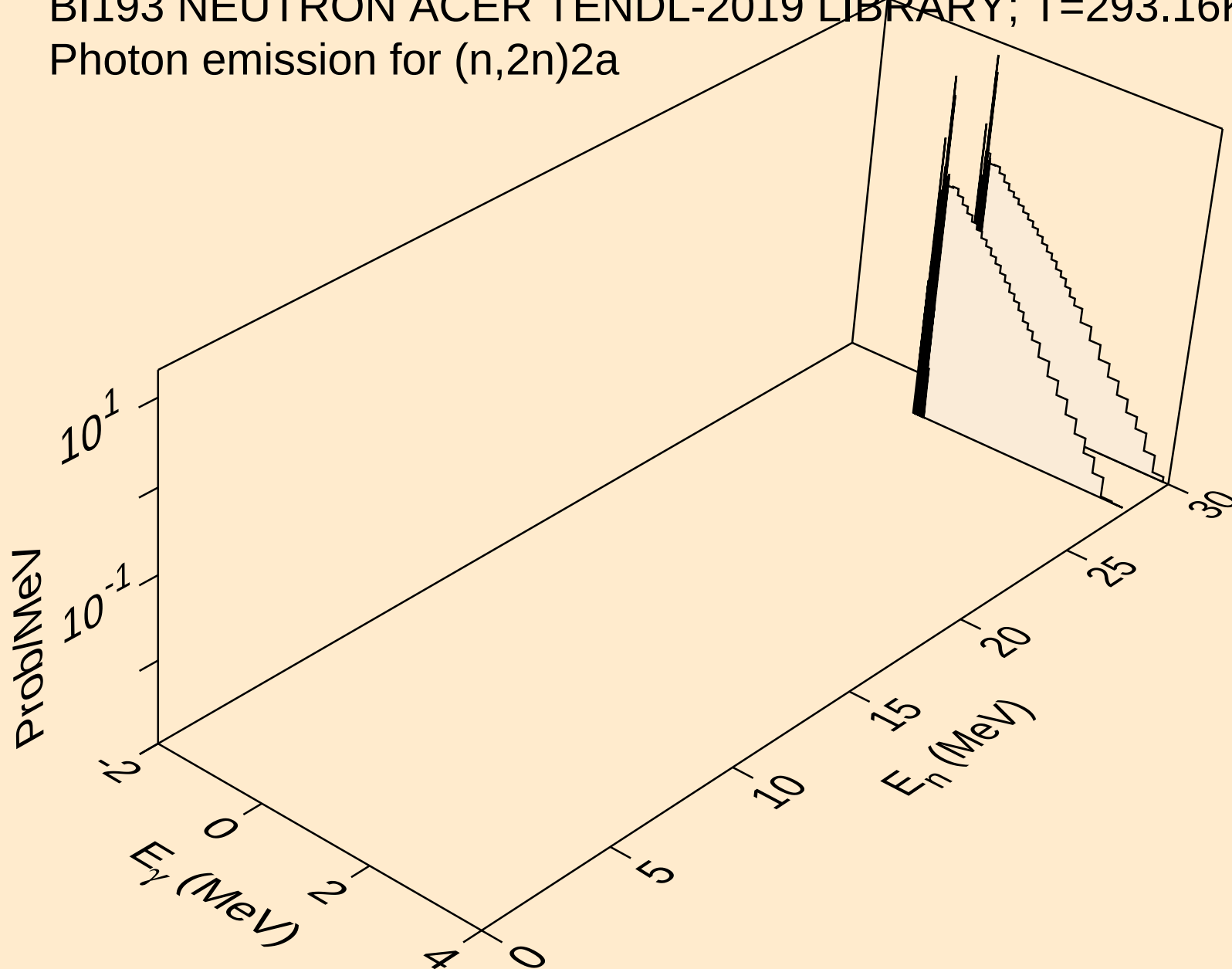
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



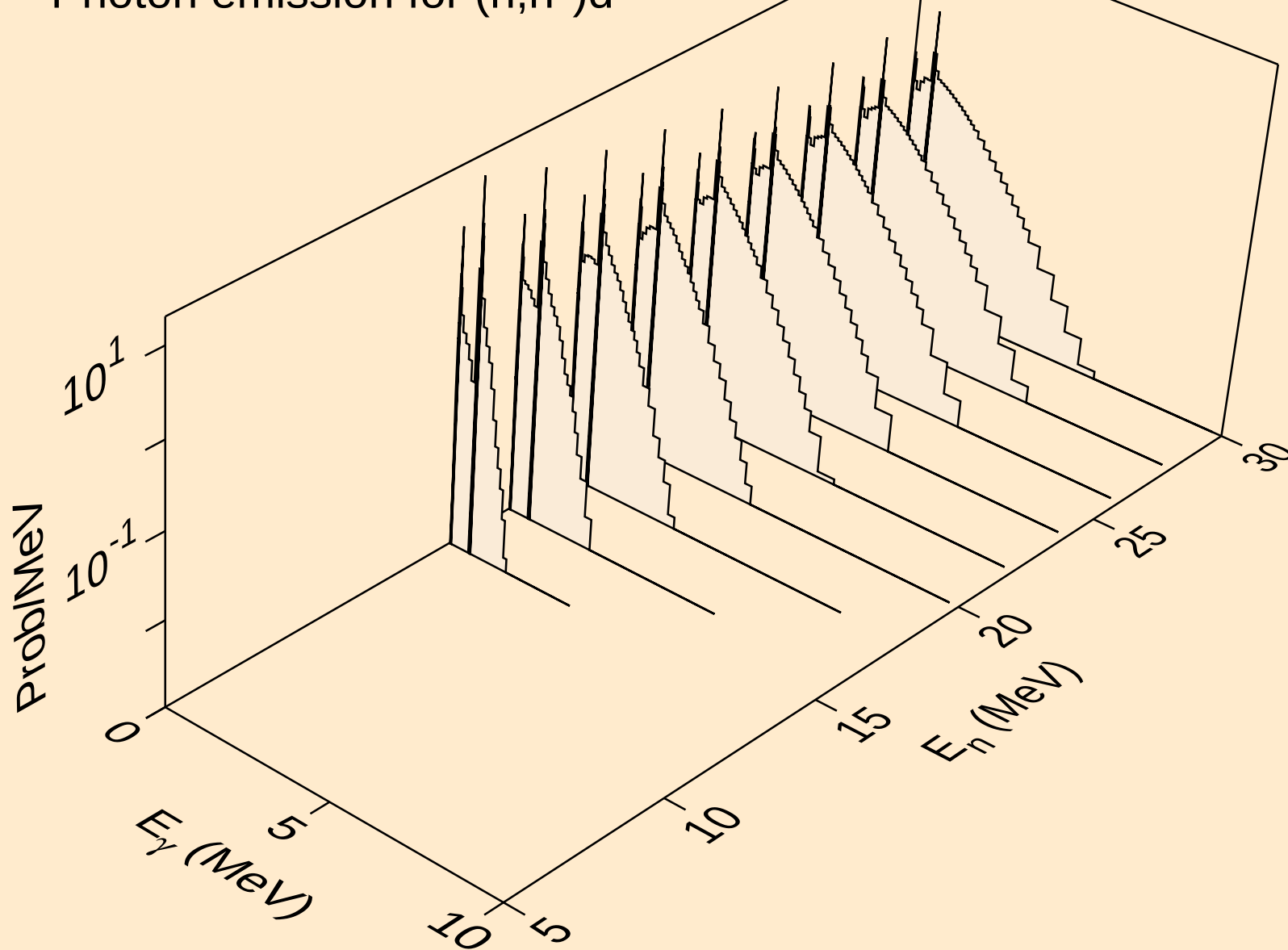
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



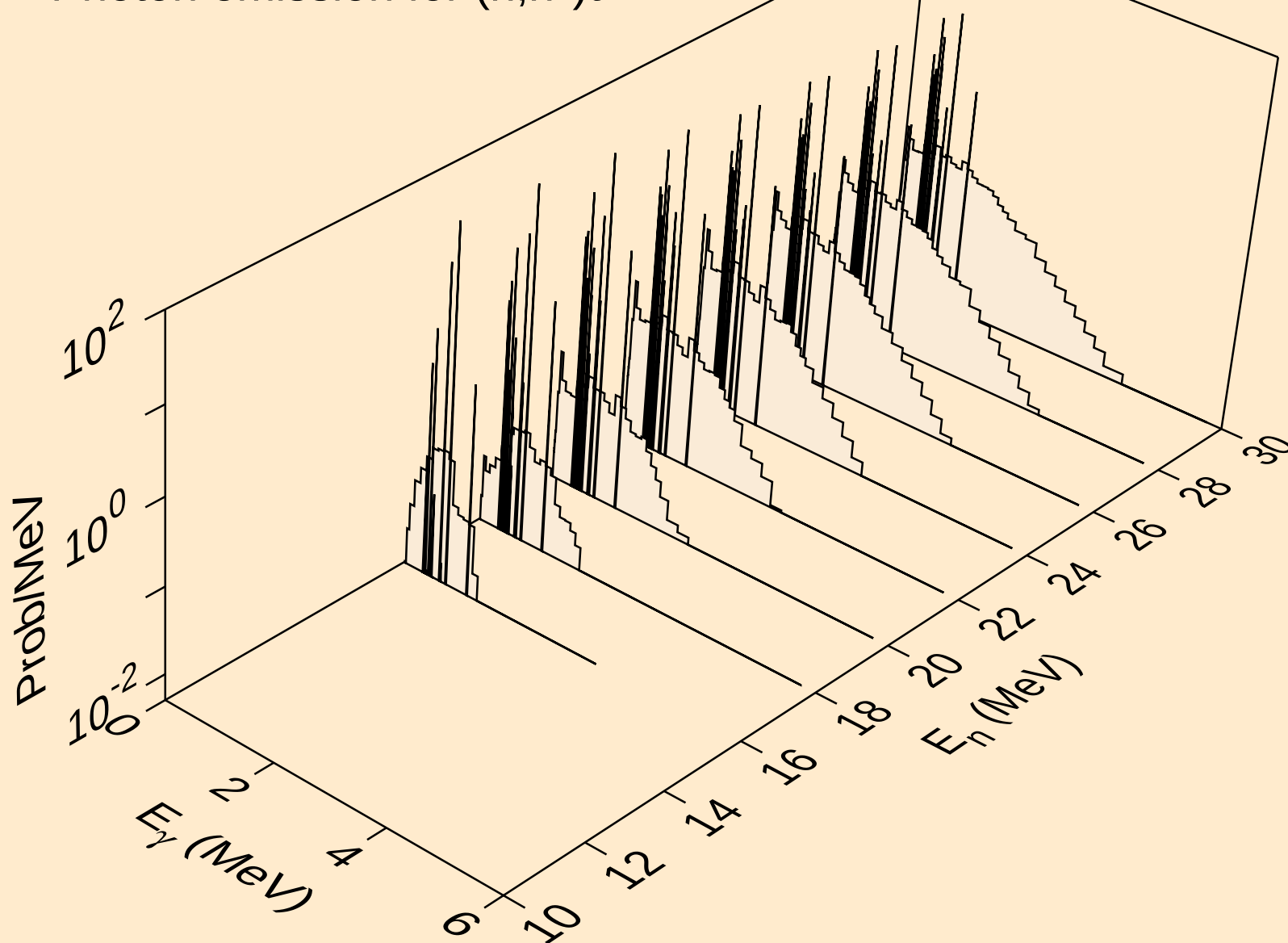
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



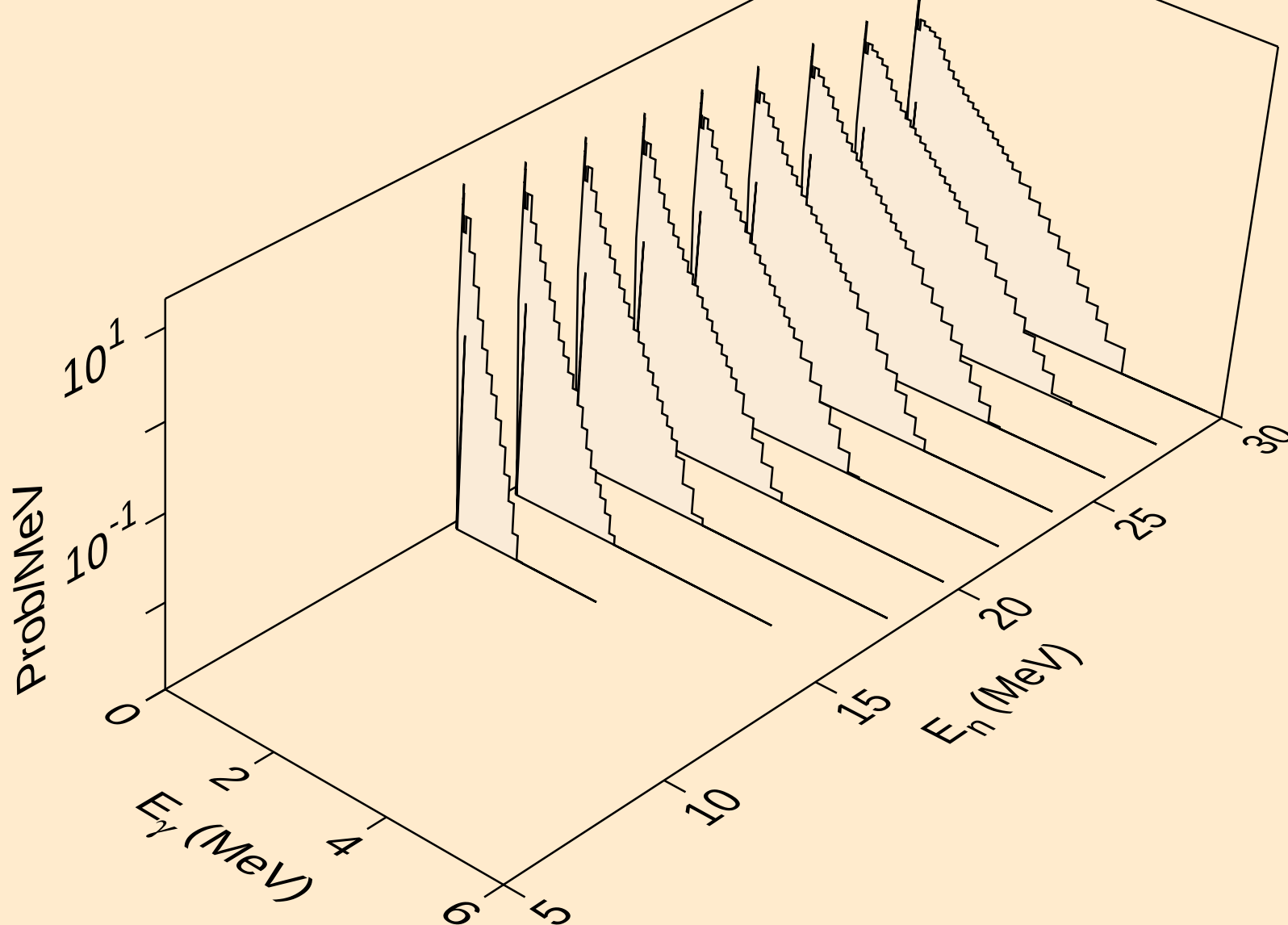
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



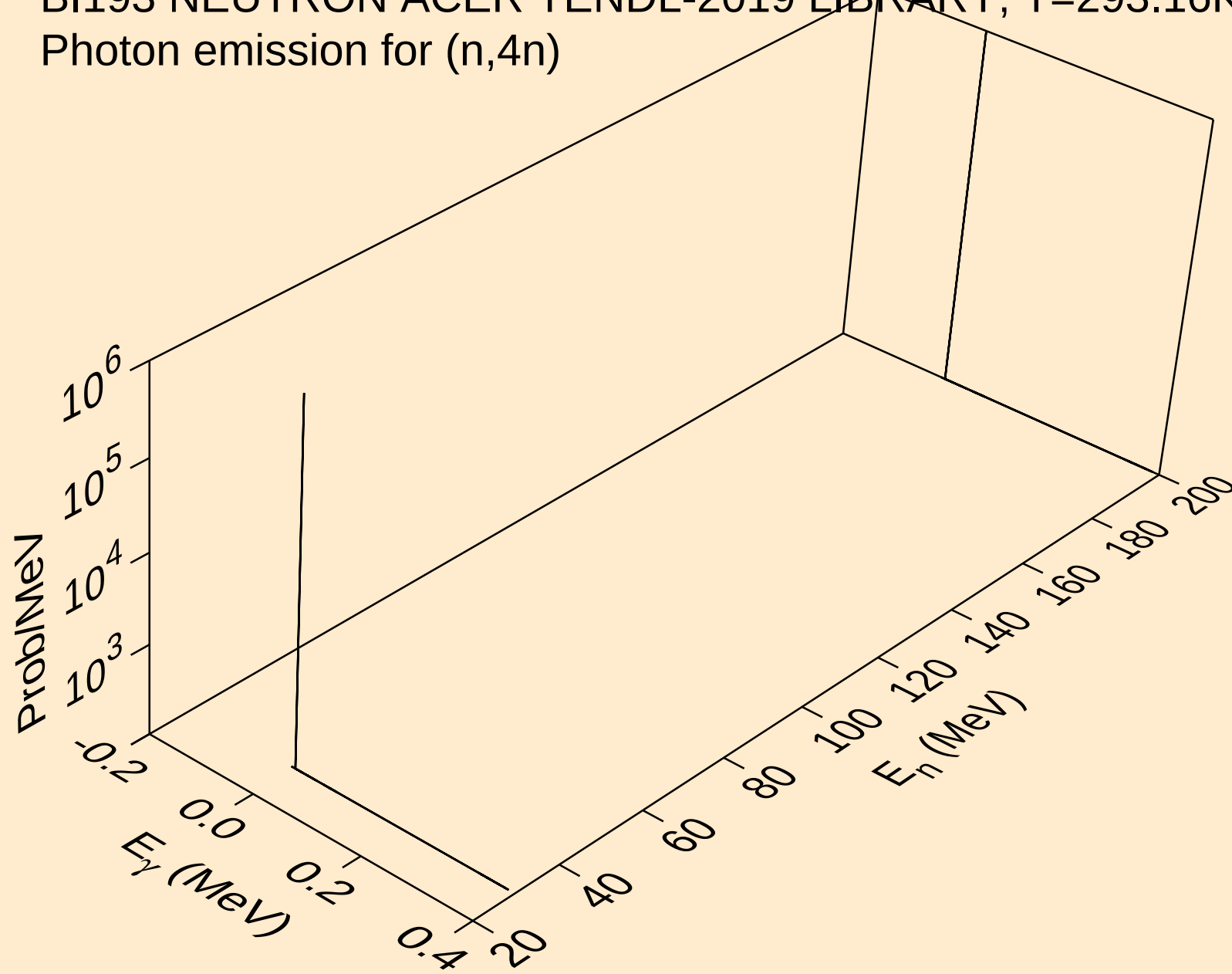
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



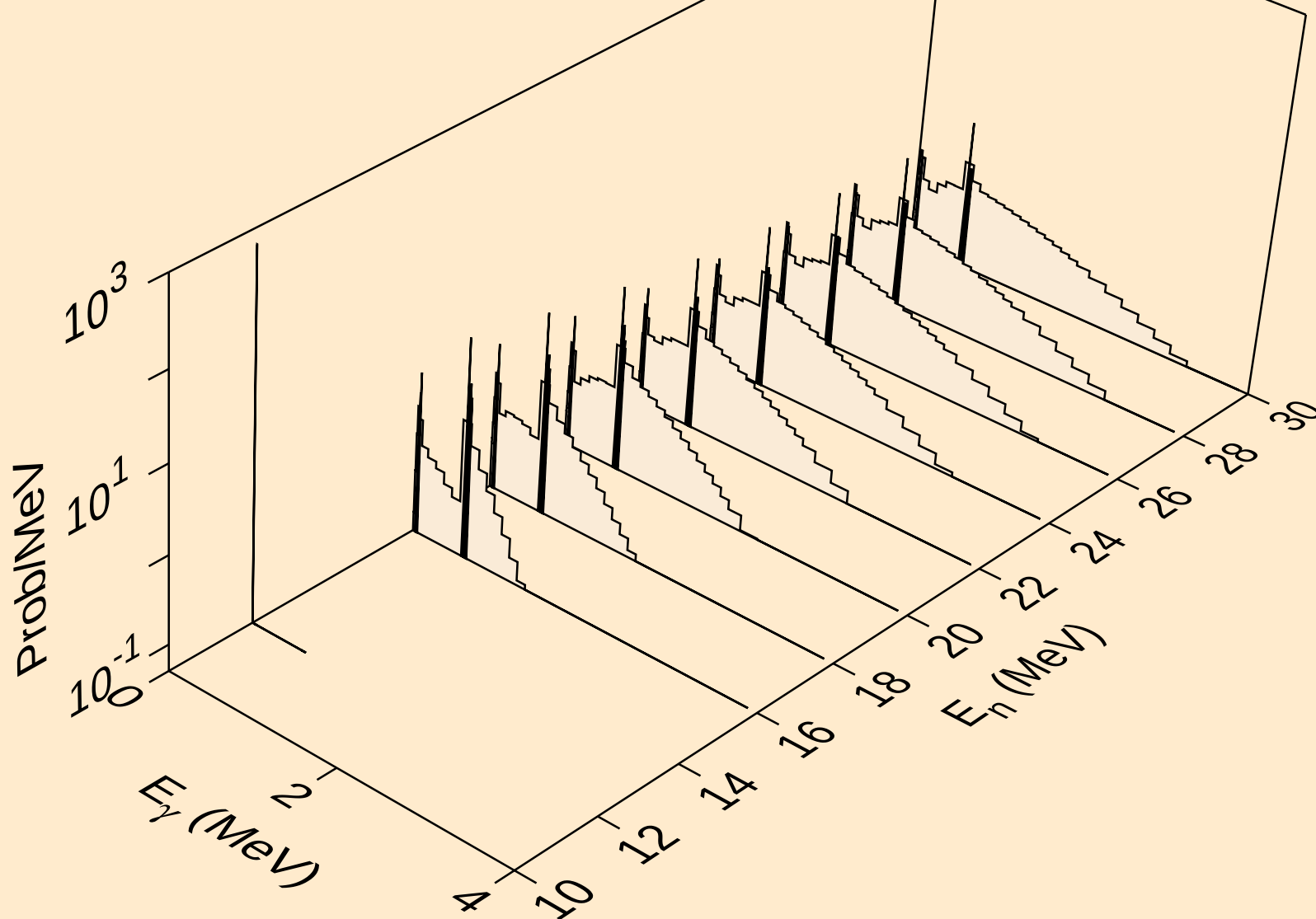
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



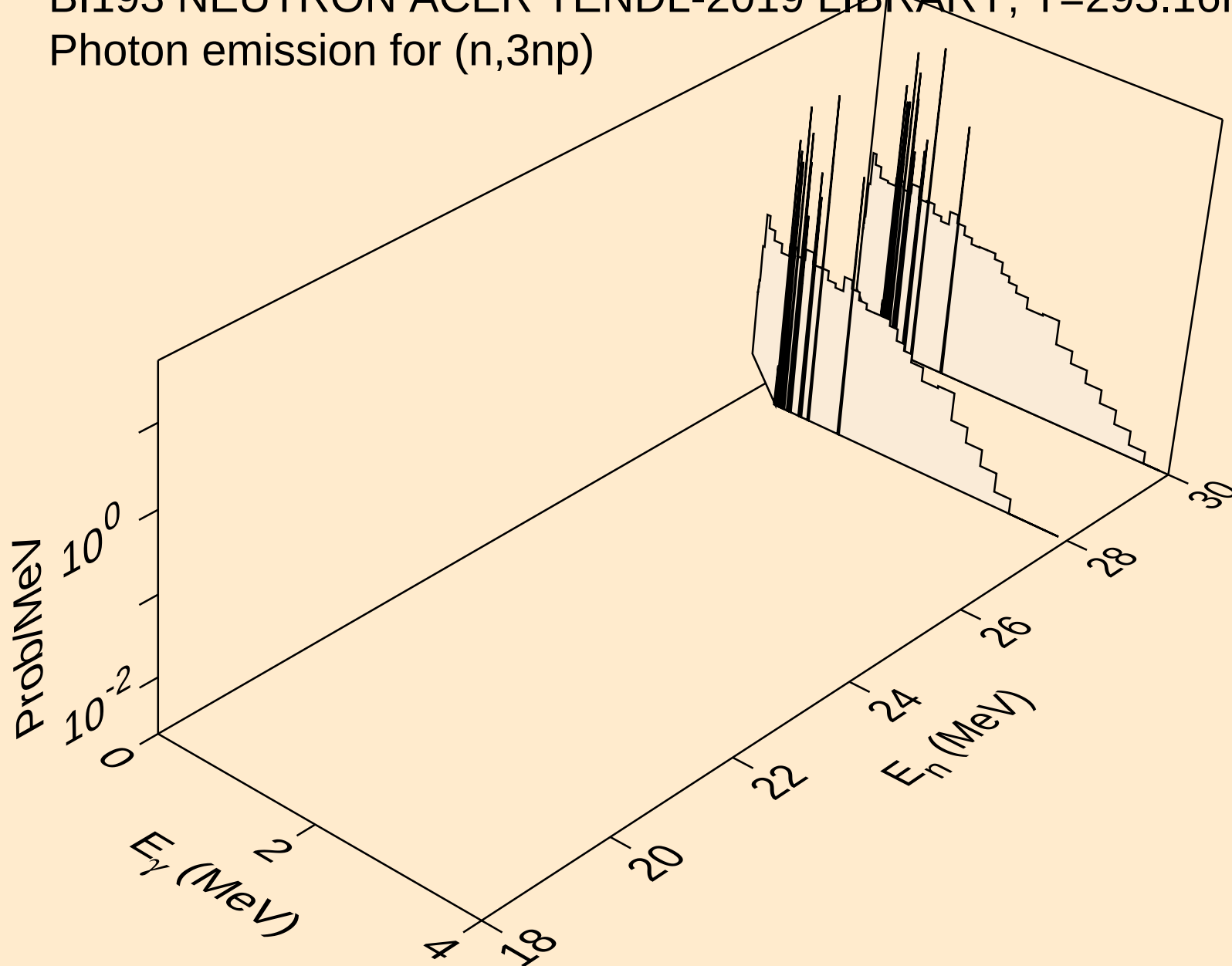
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



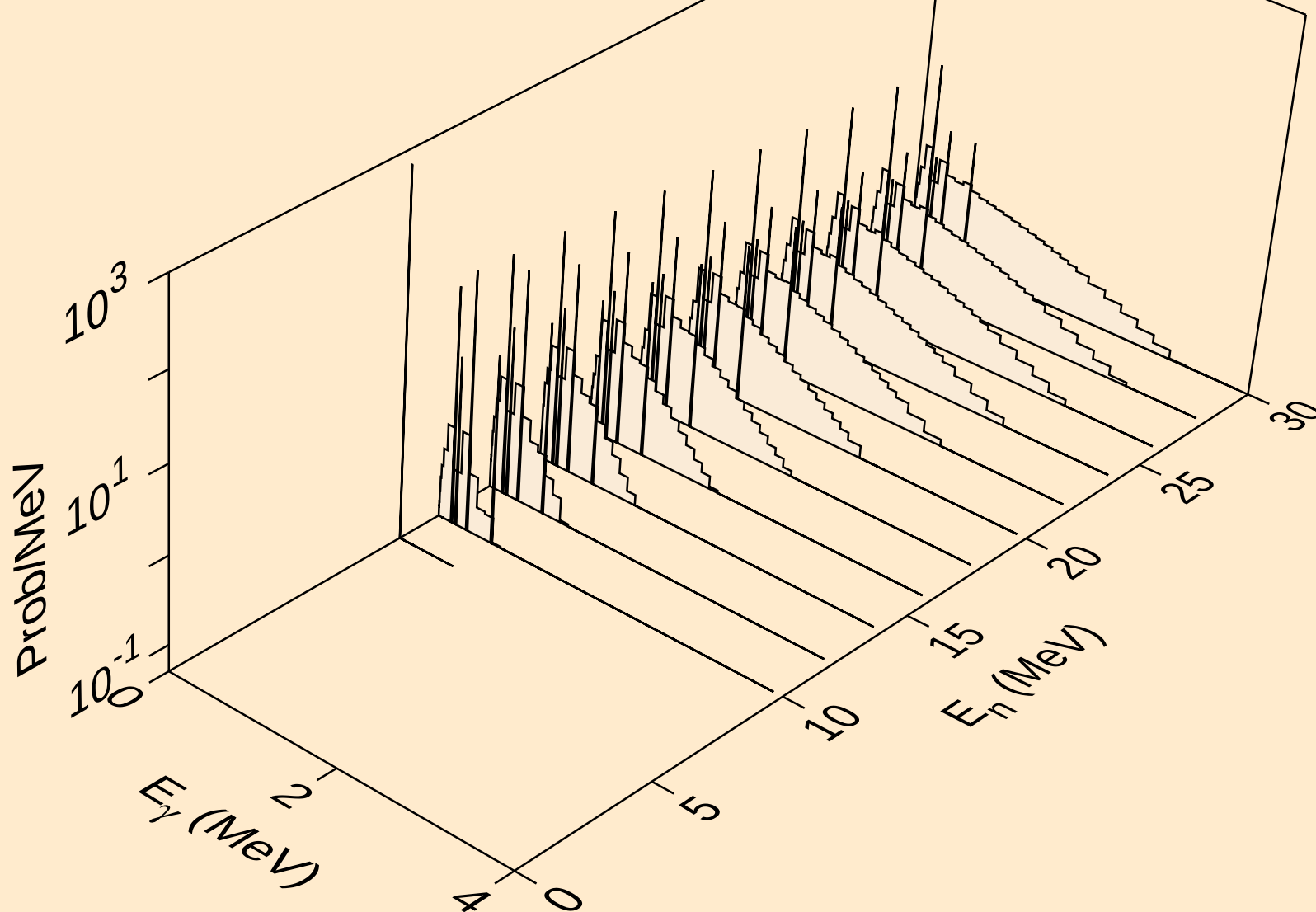
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



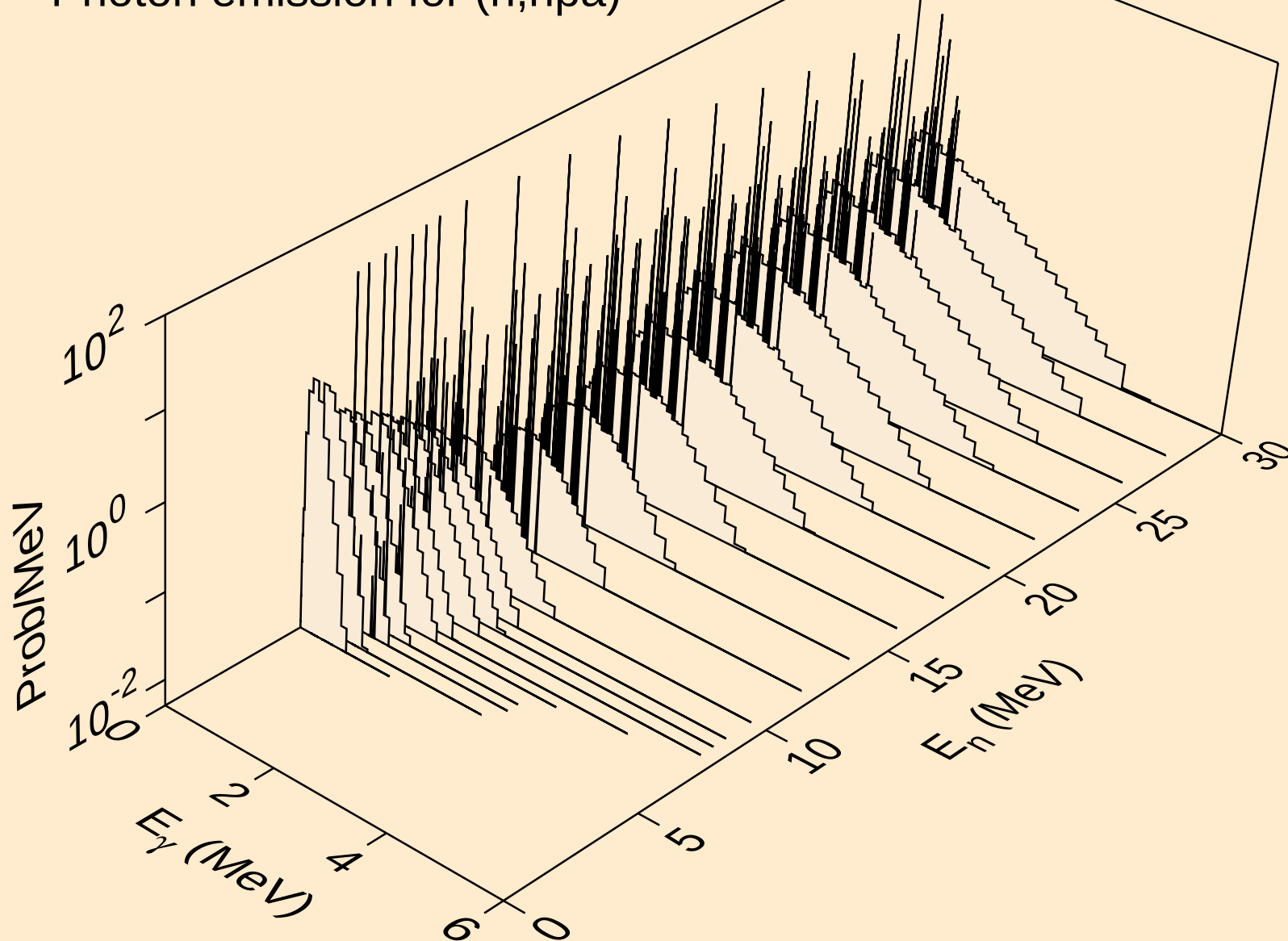
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



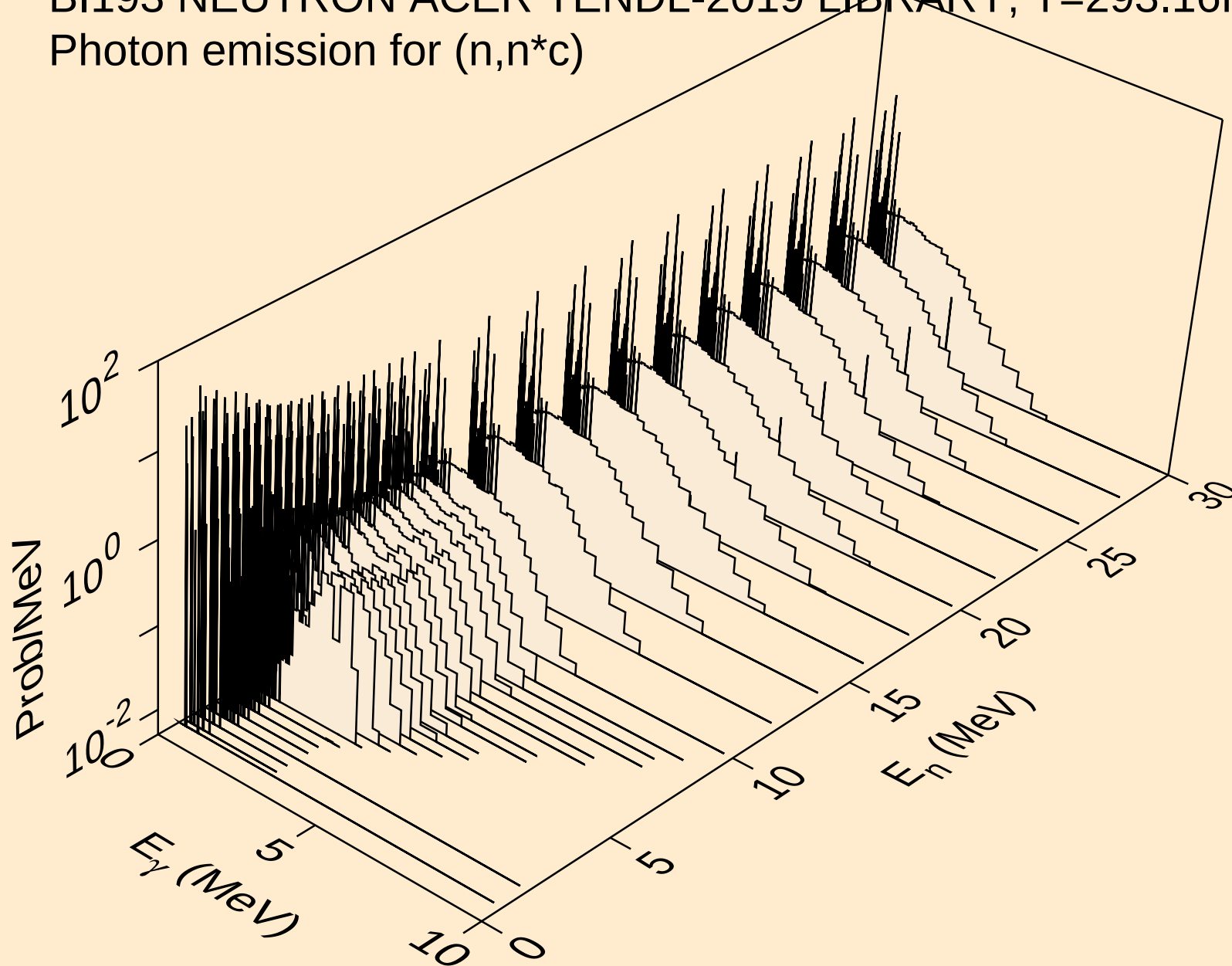
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



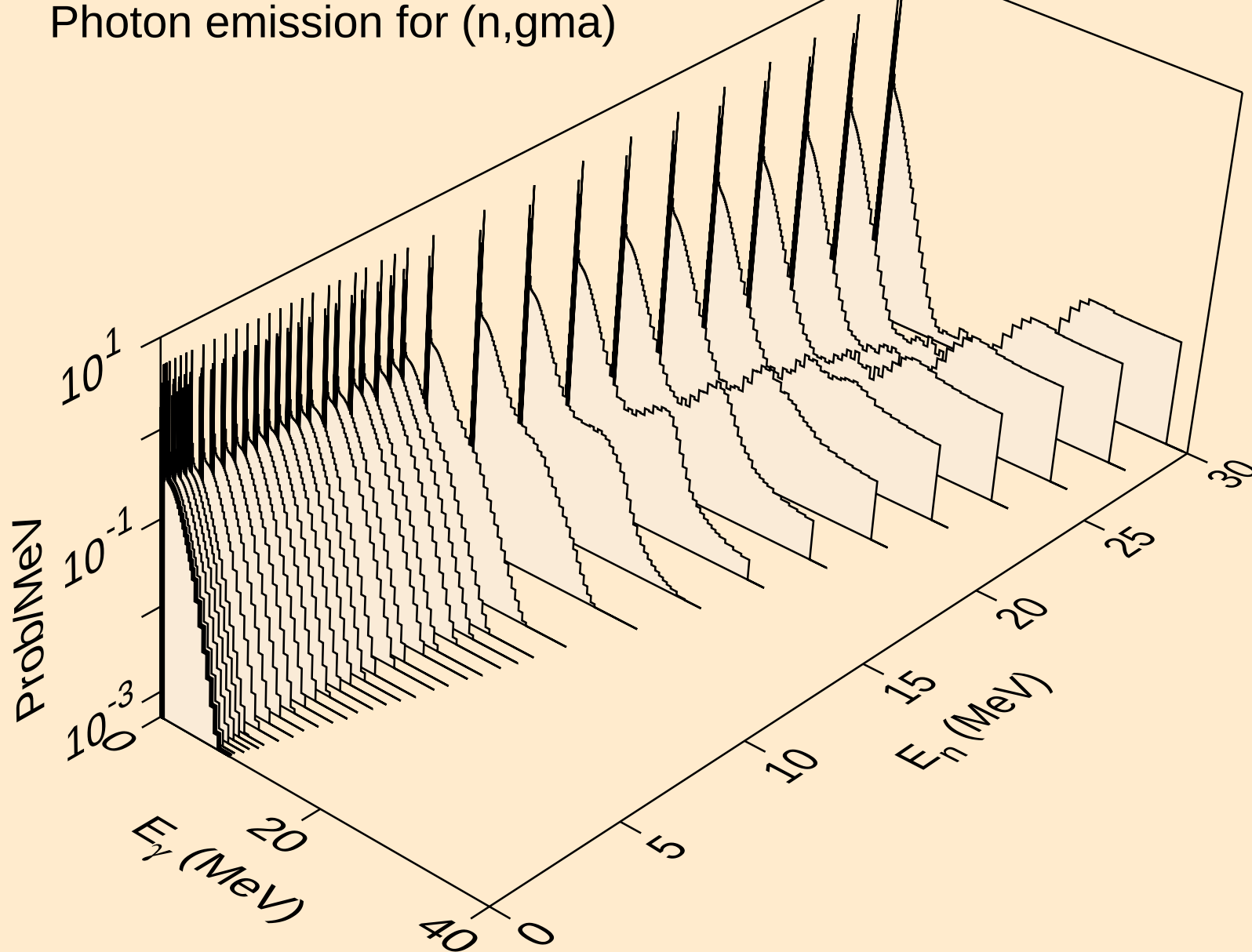
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



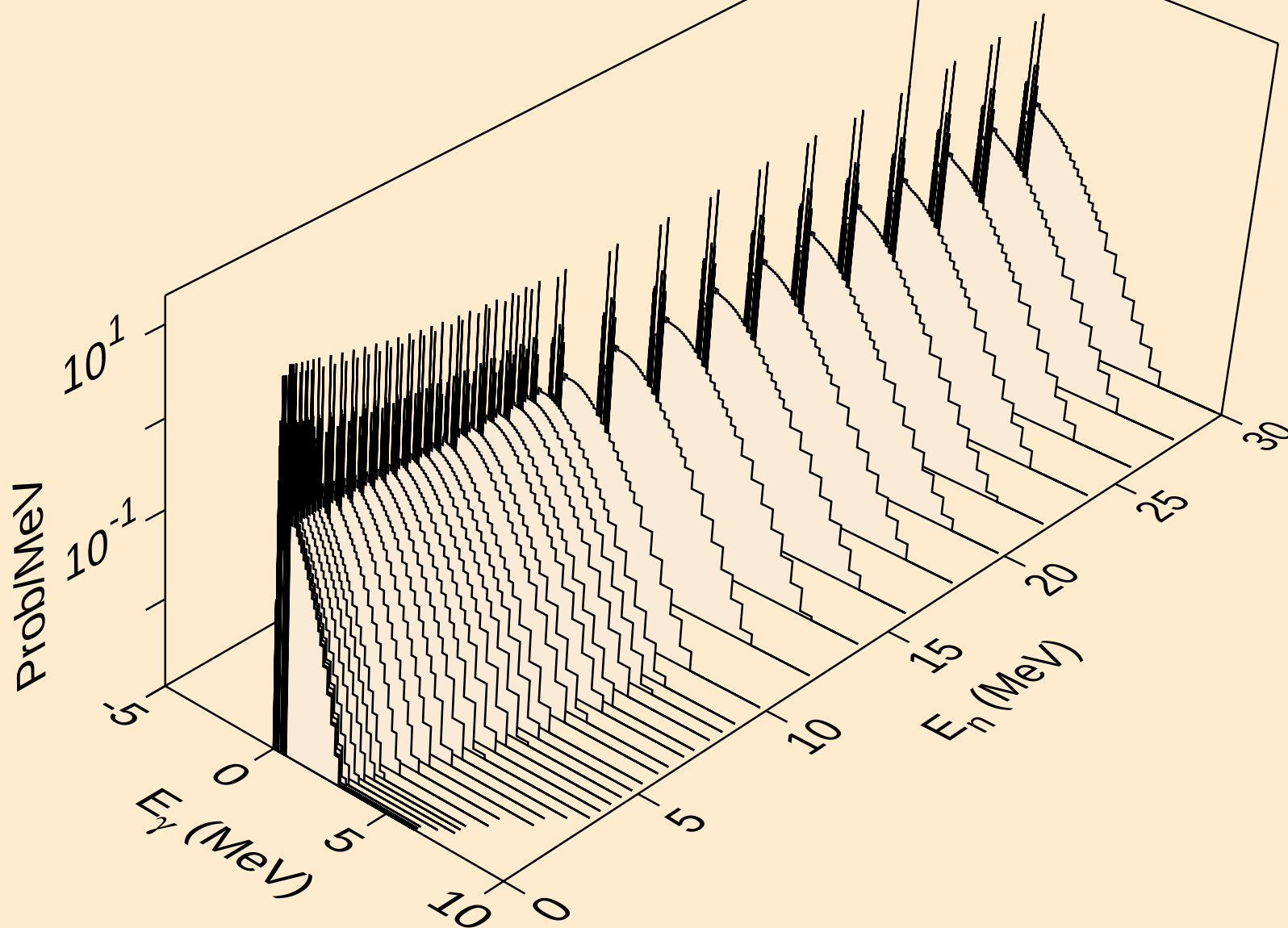
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



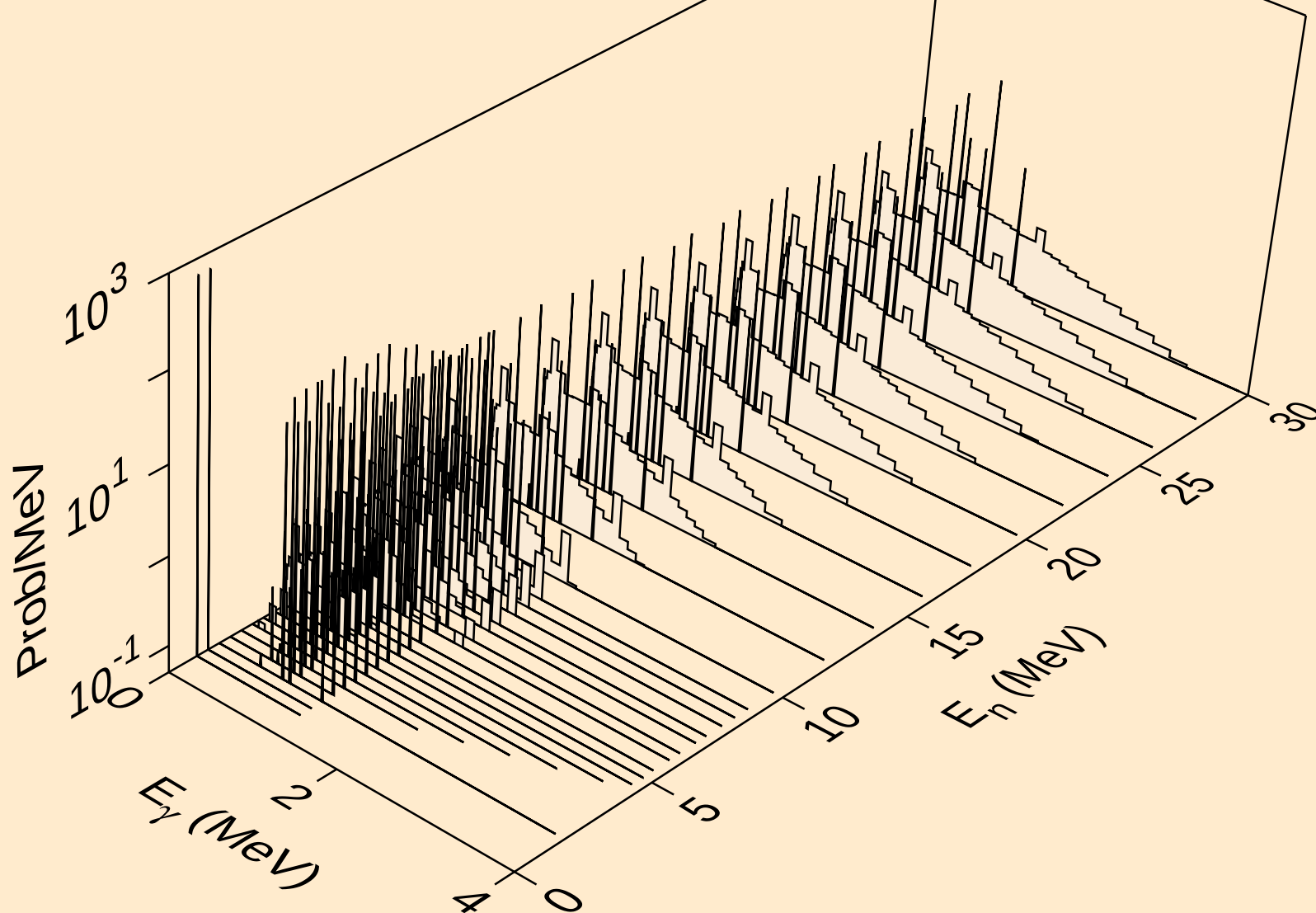
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



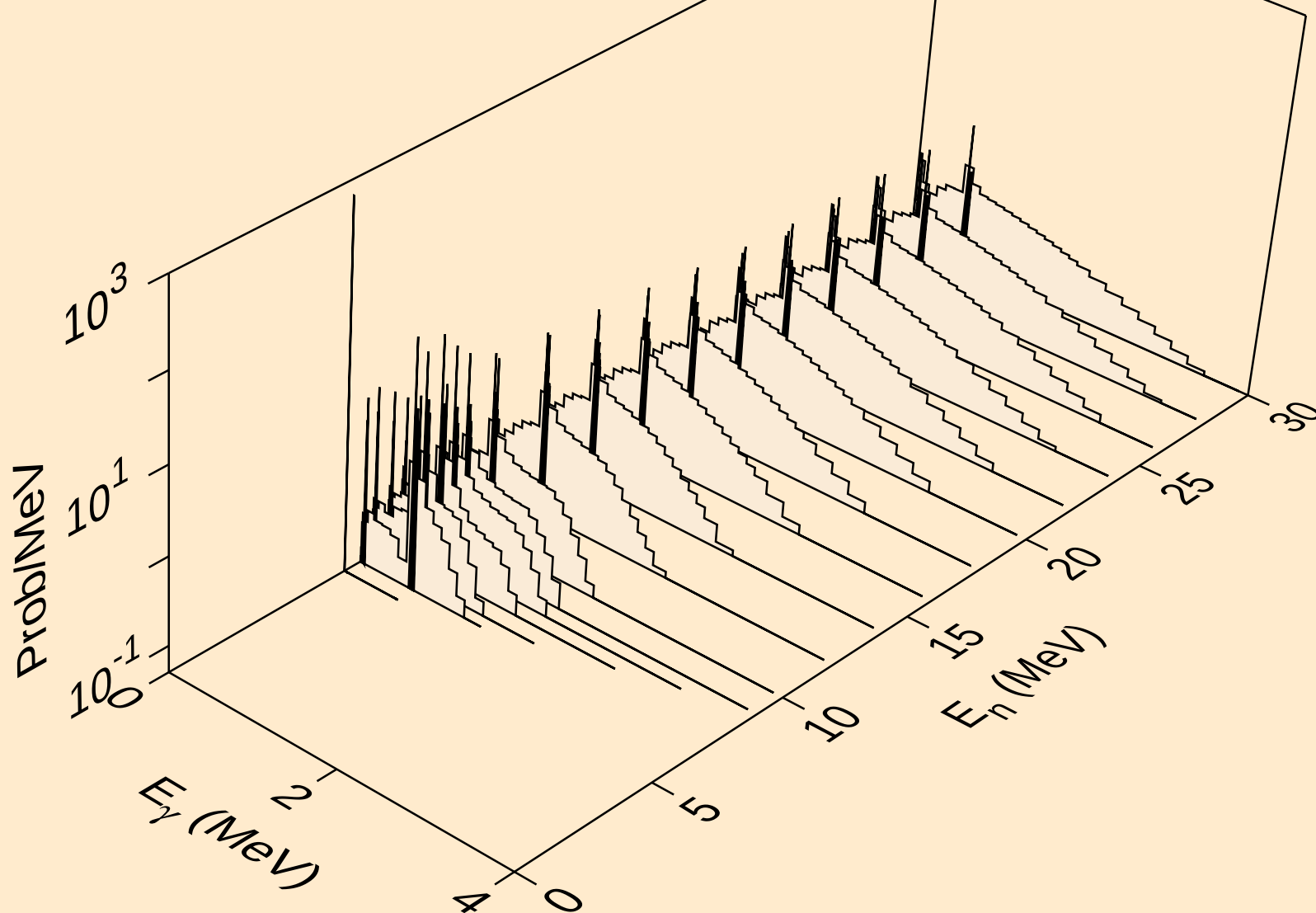
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



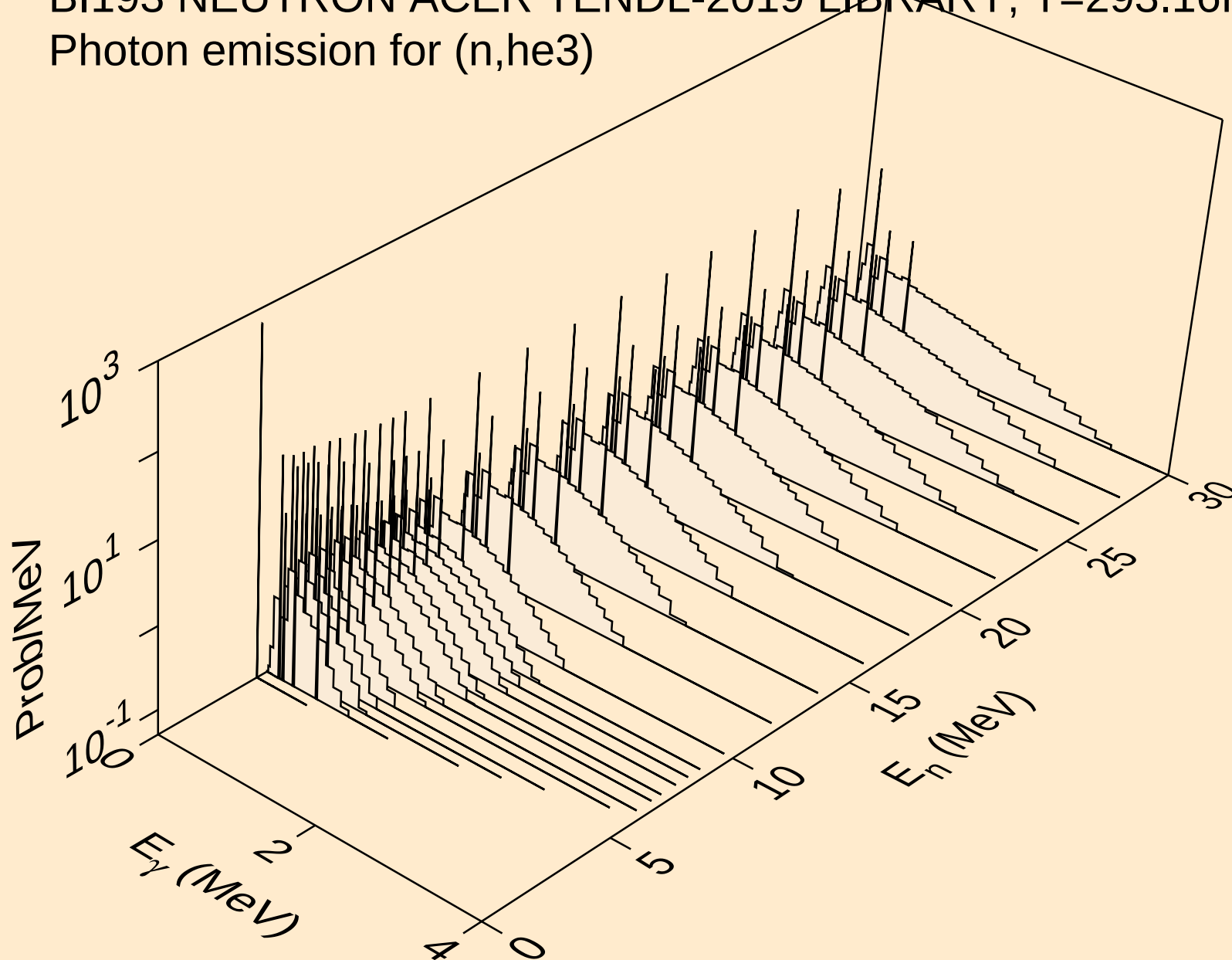
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



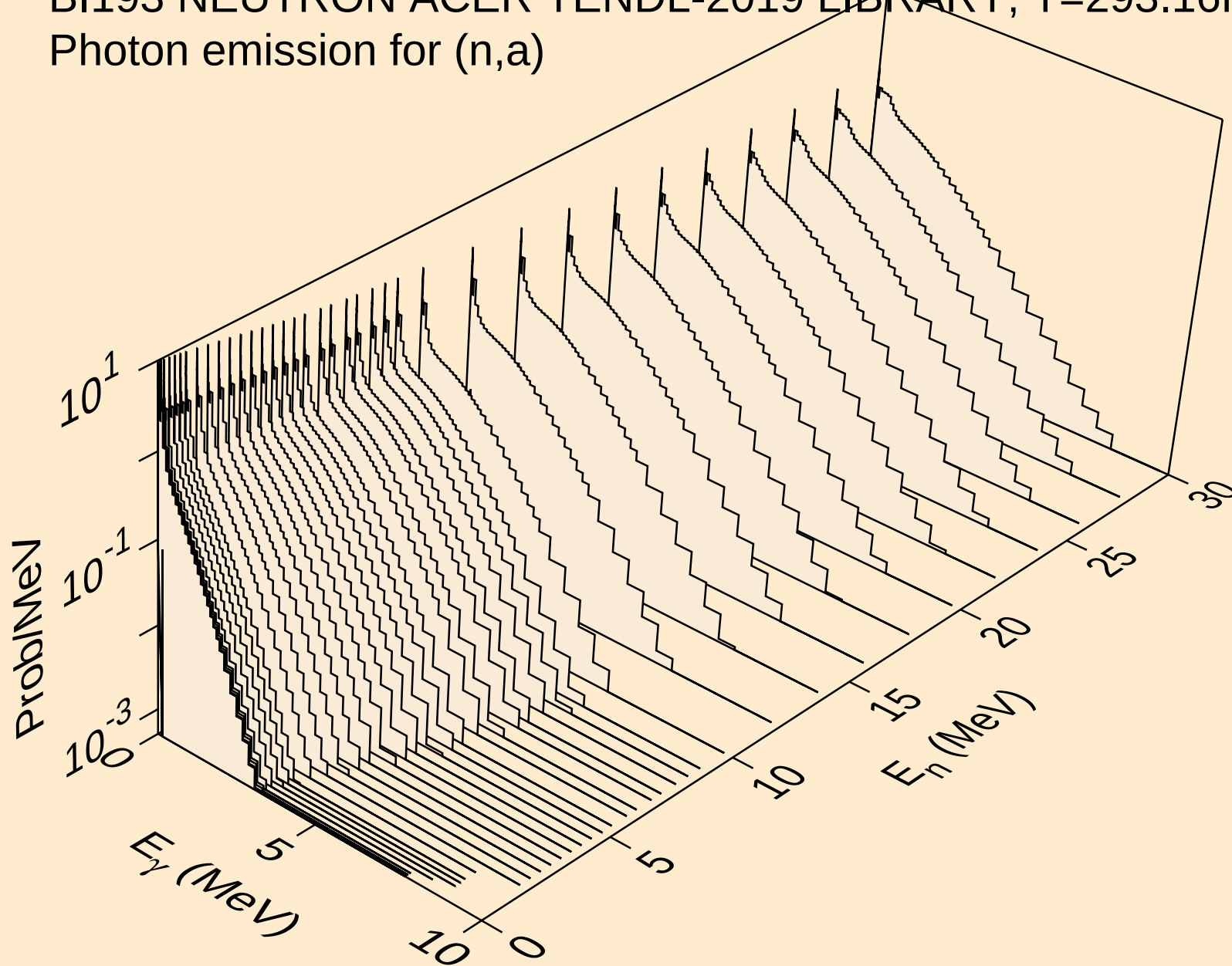
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



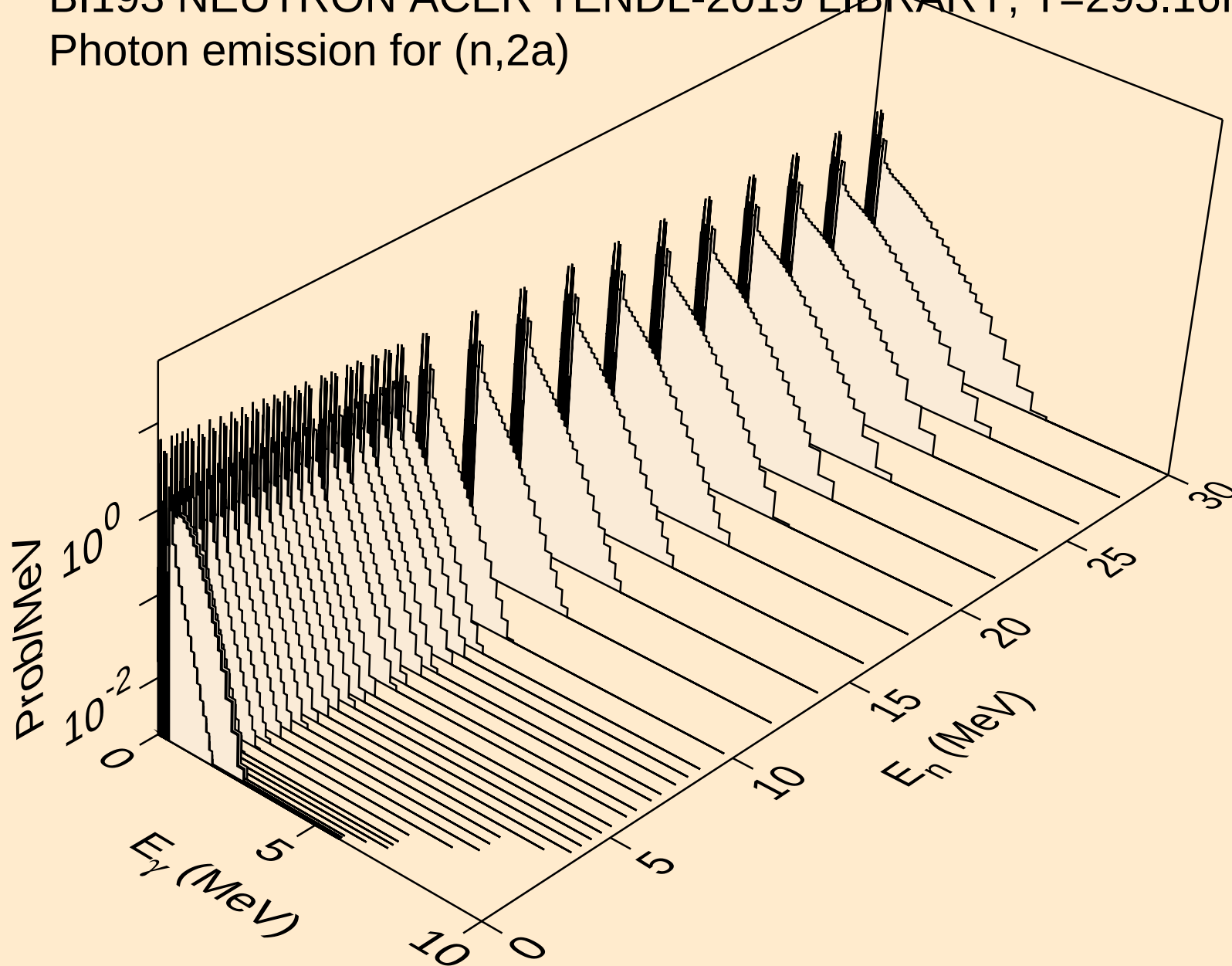
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



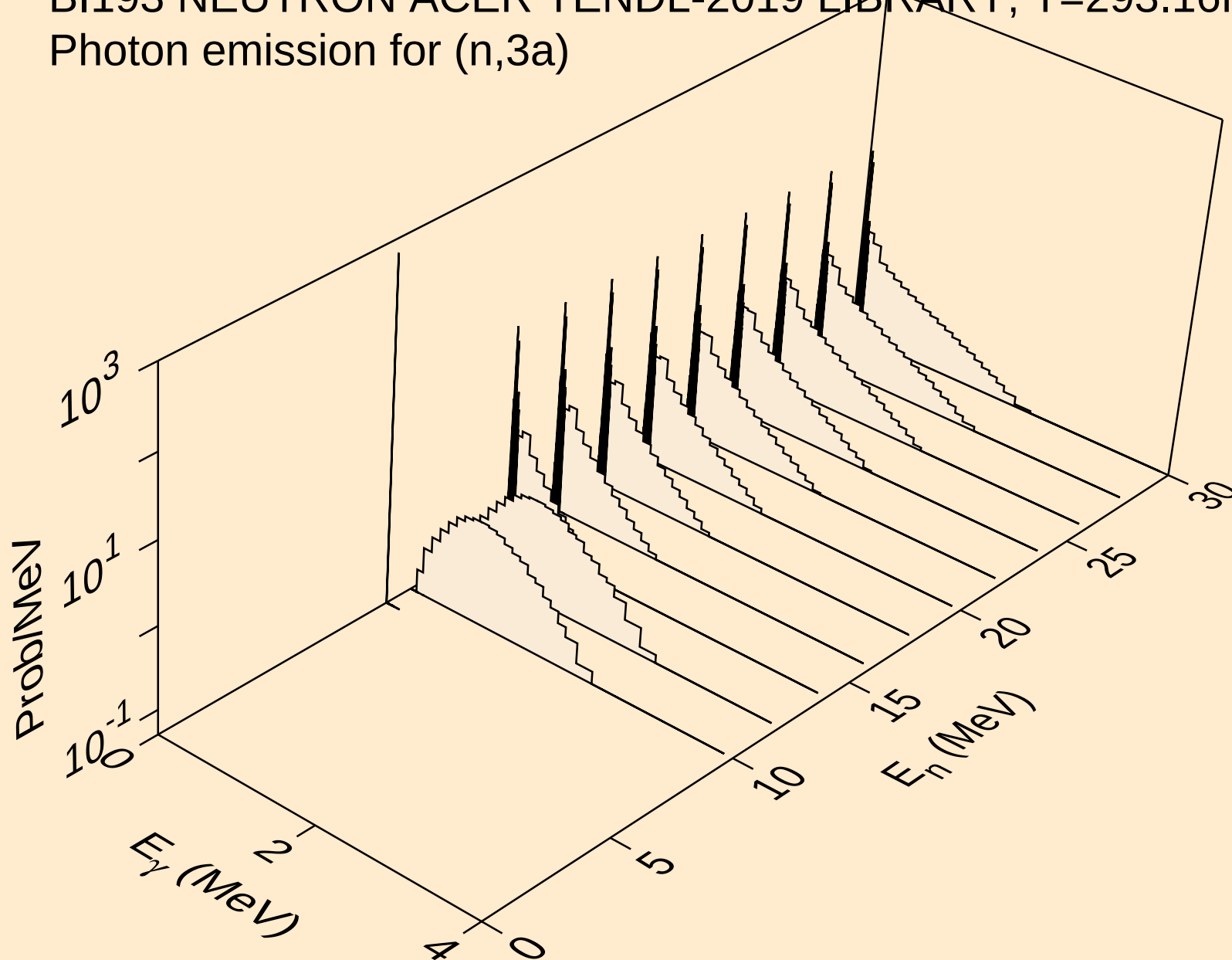
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



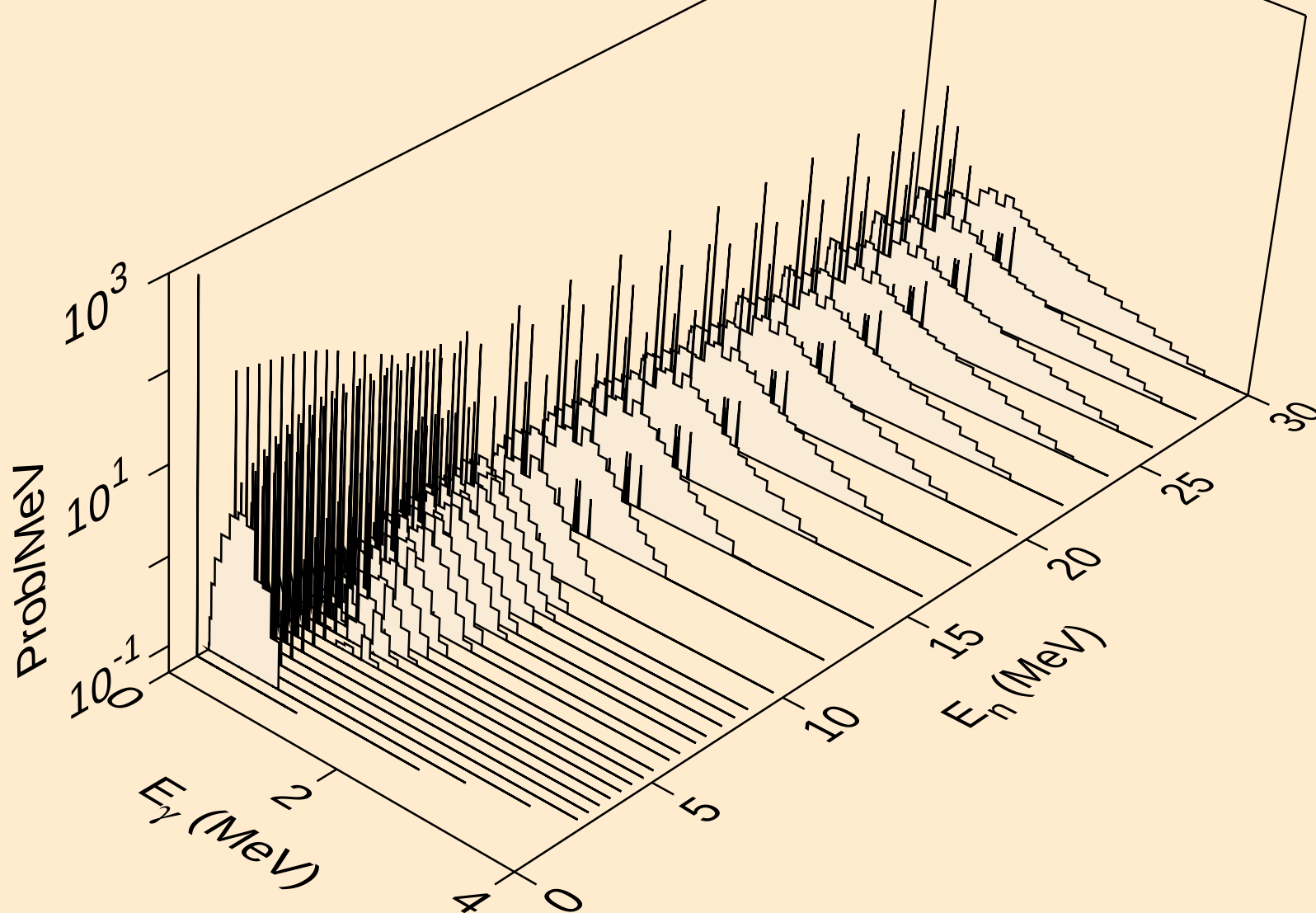
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



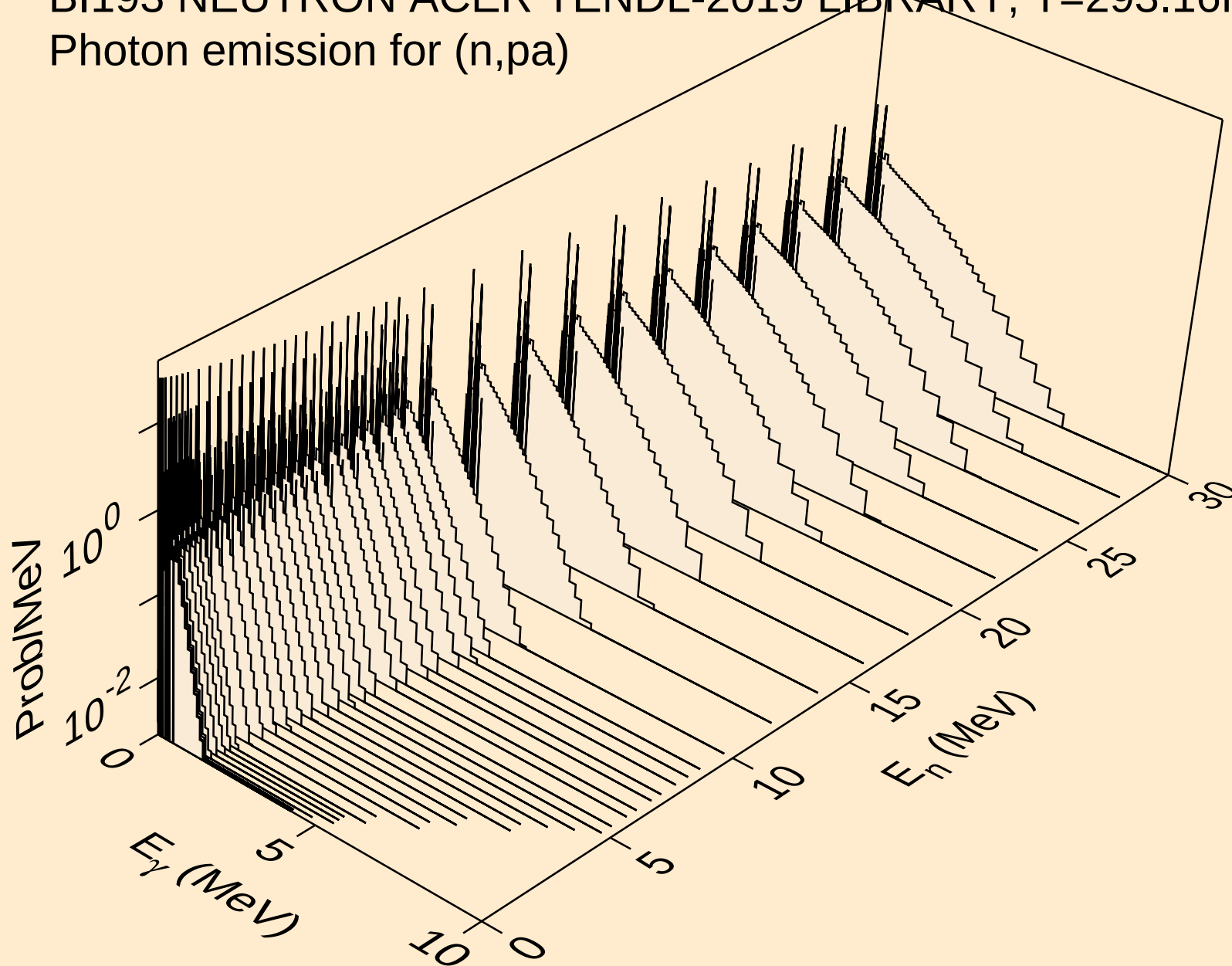
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



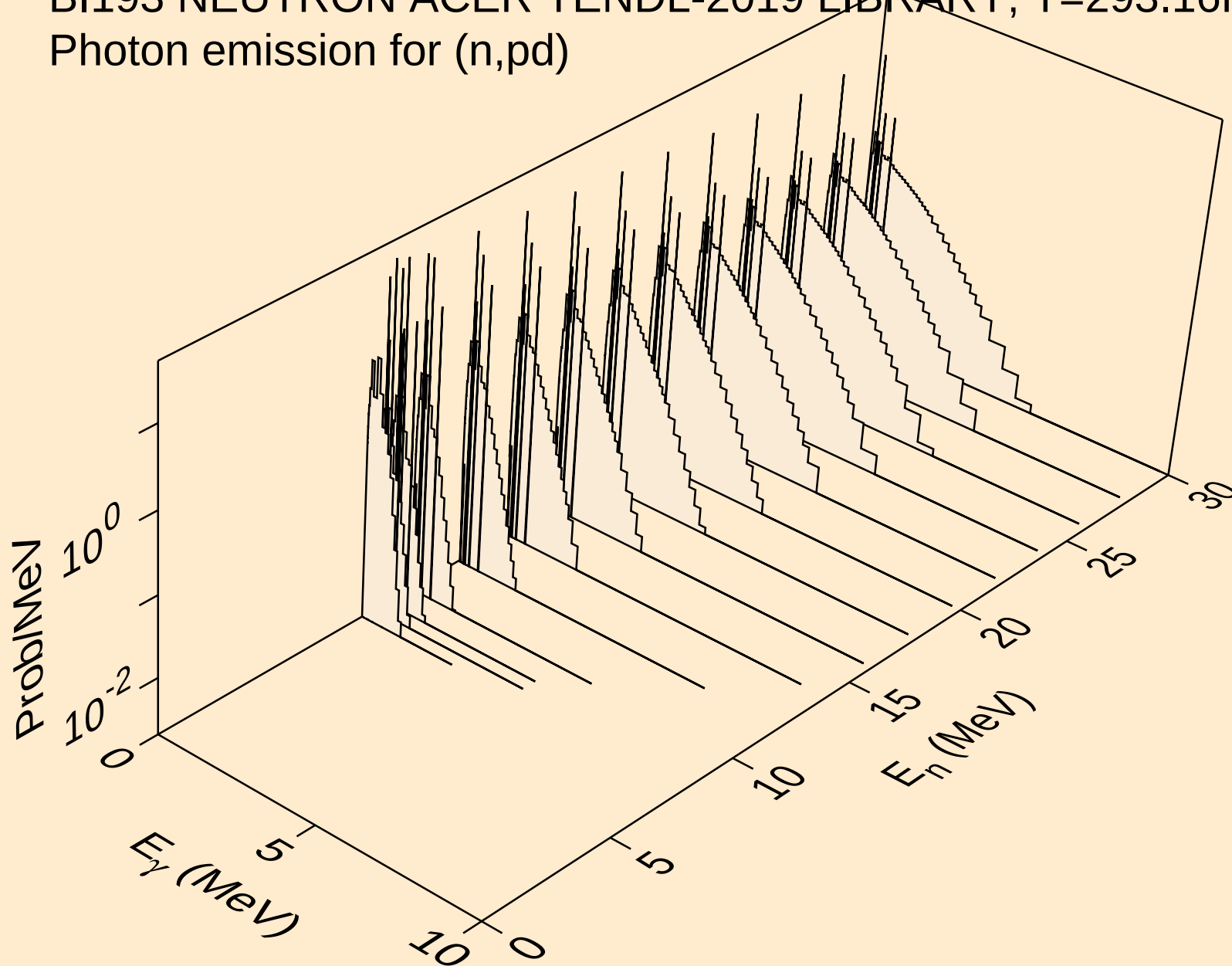
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



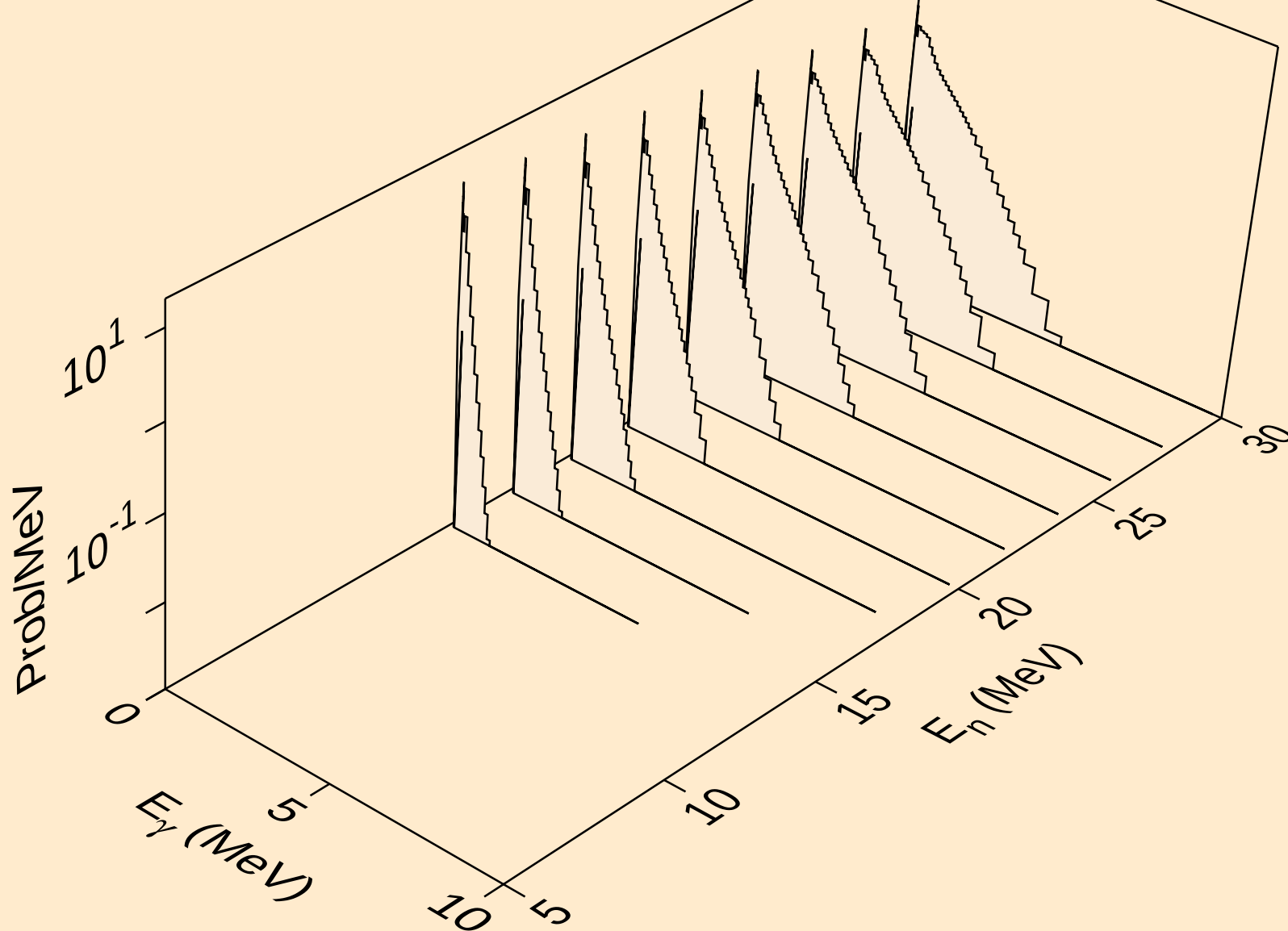
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



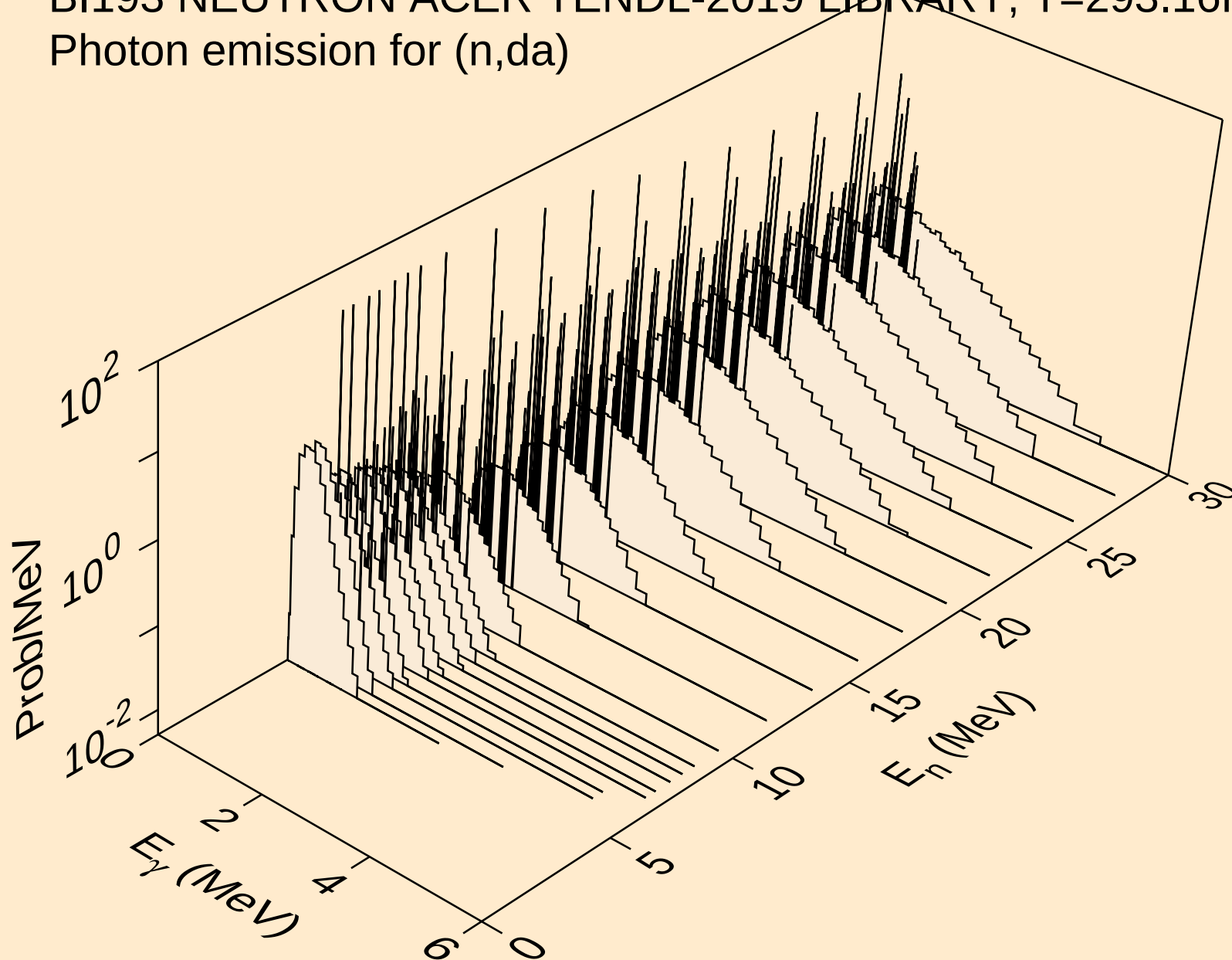
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



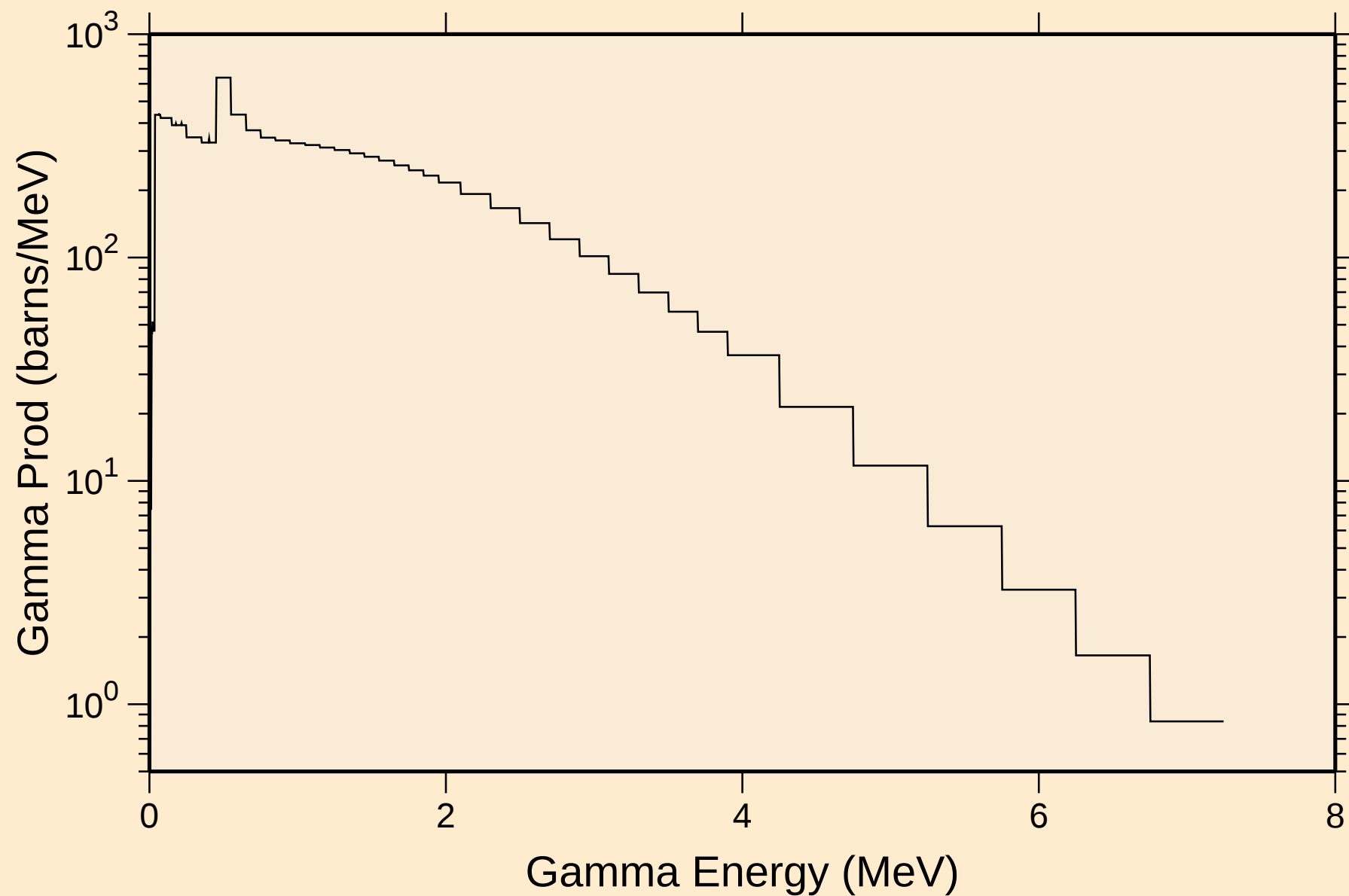
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



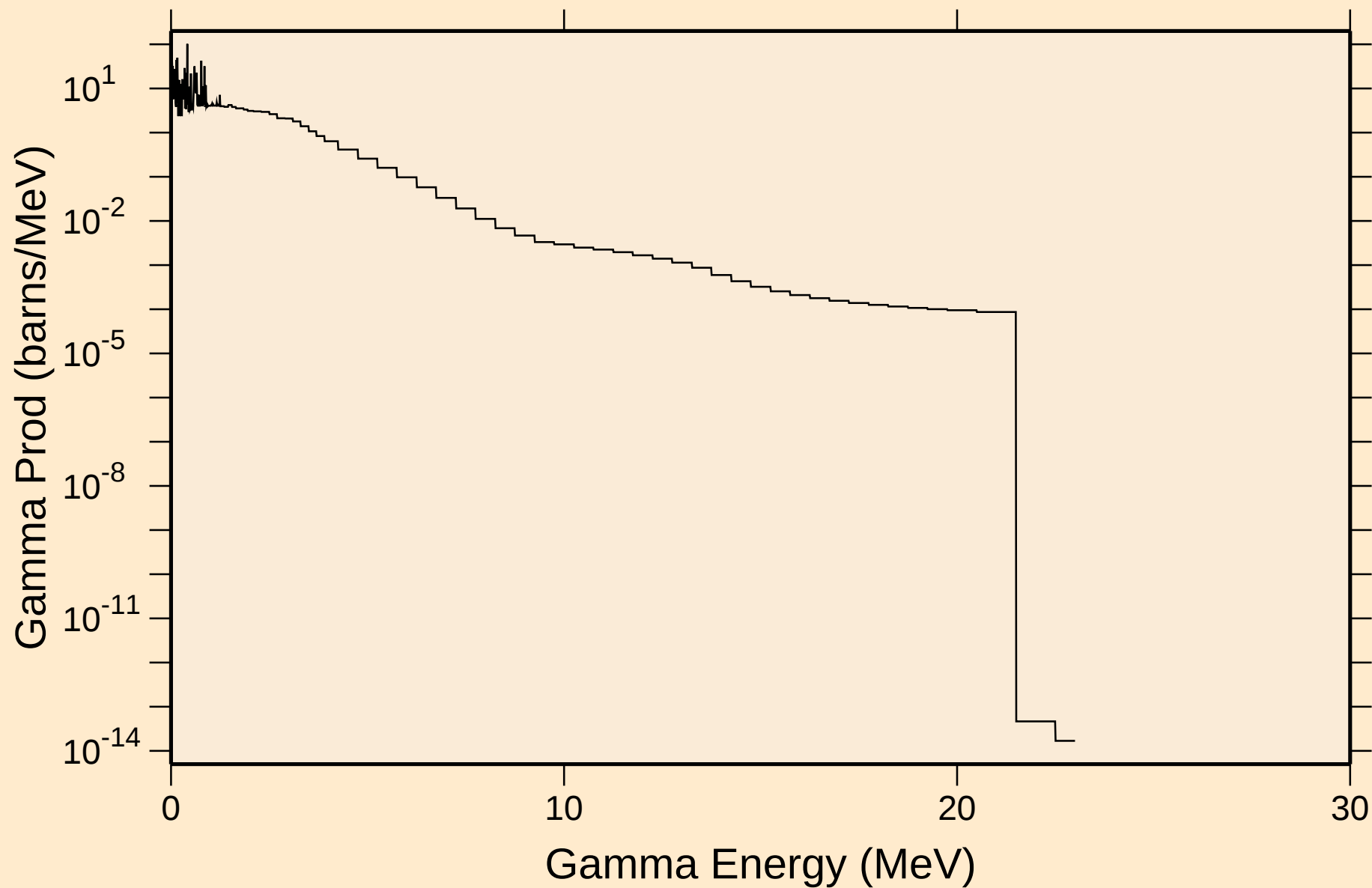
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



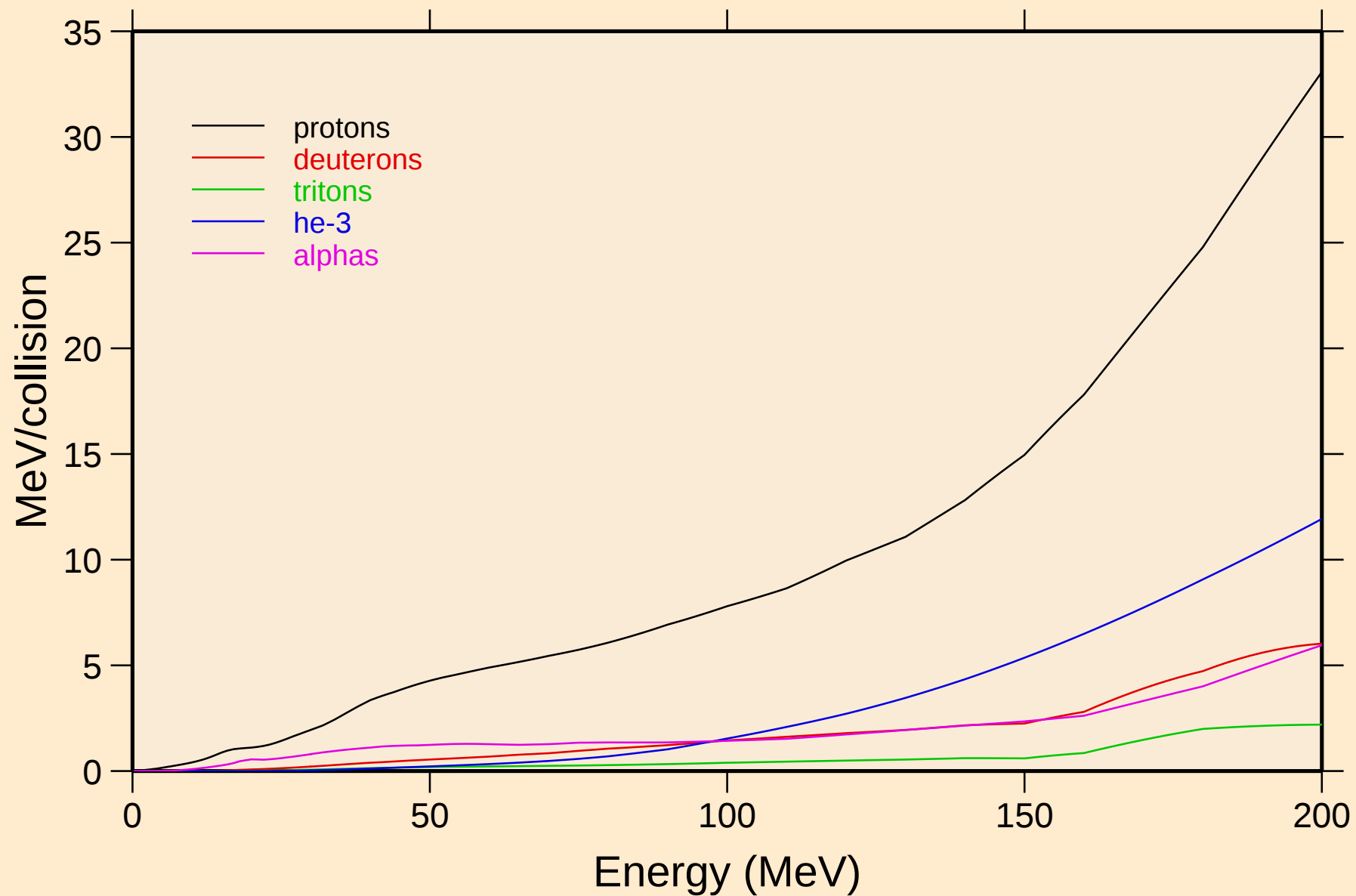
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum



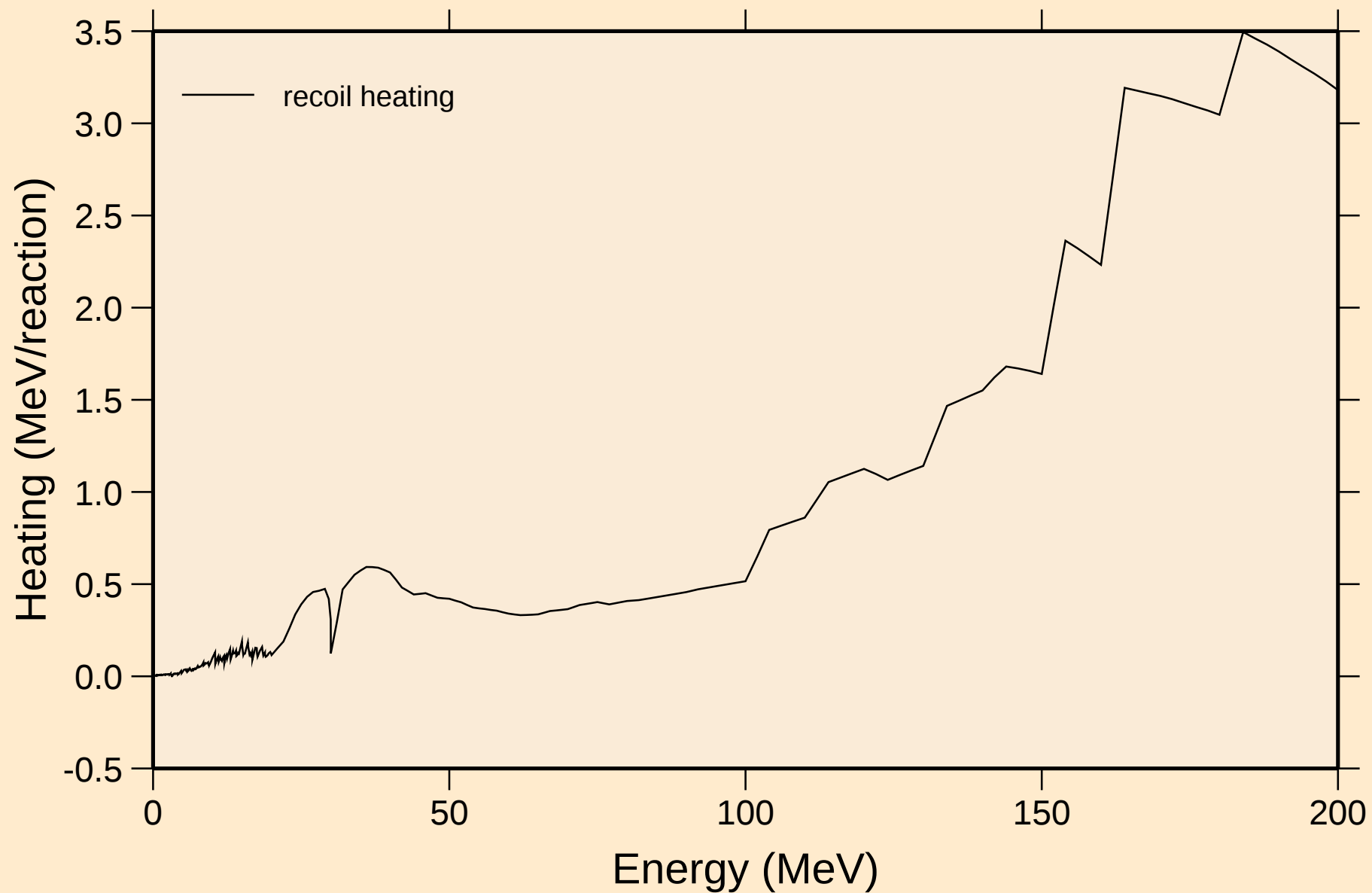
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle heating contributions

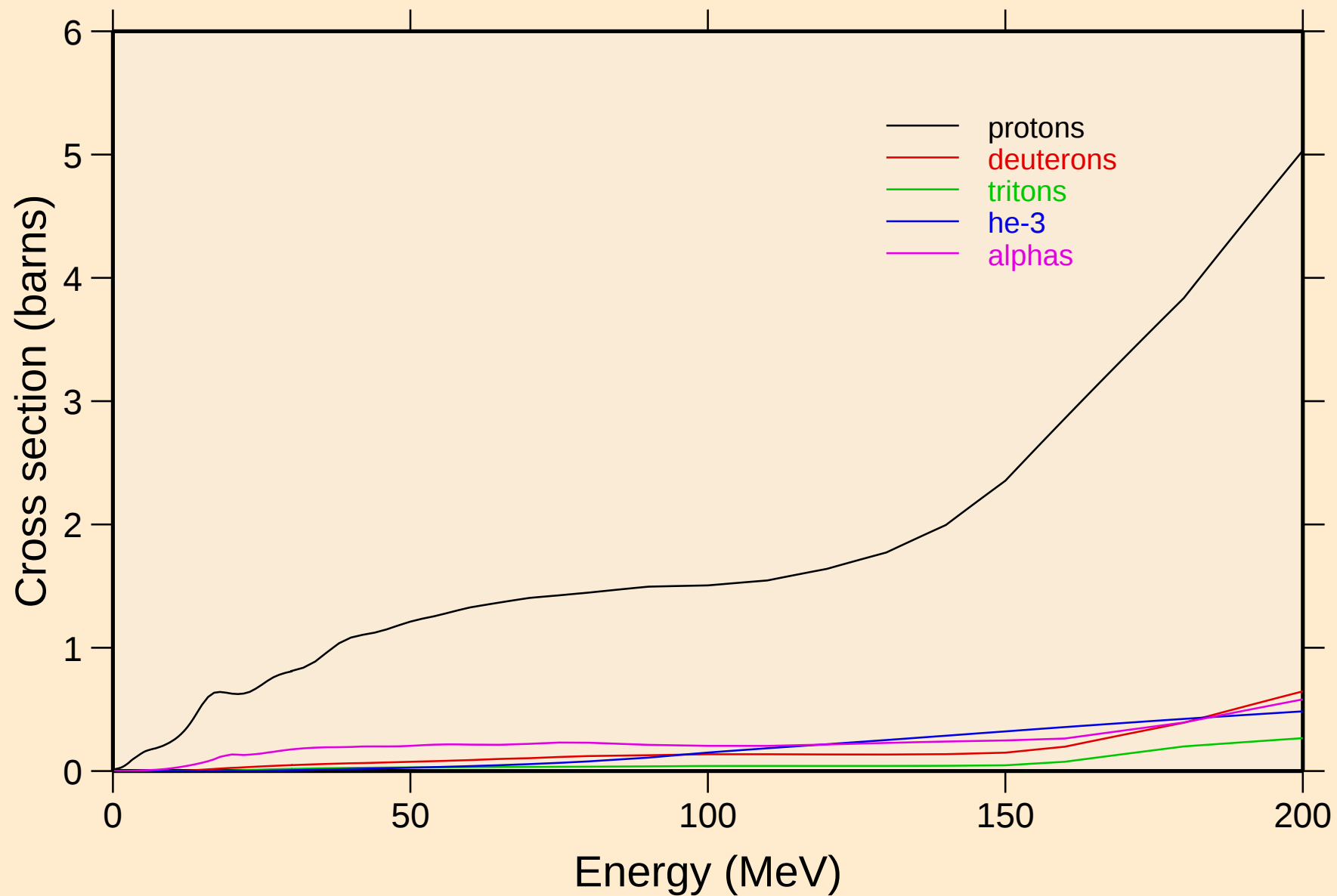


BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

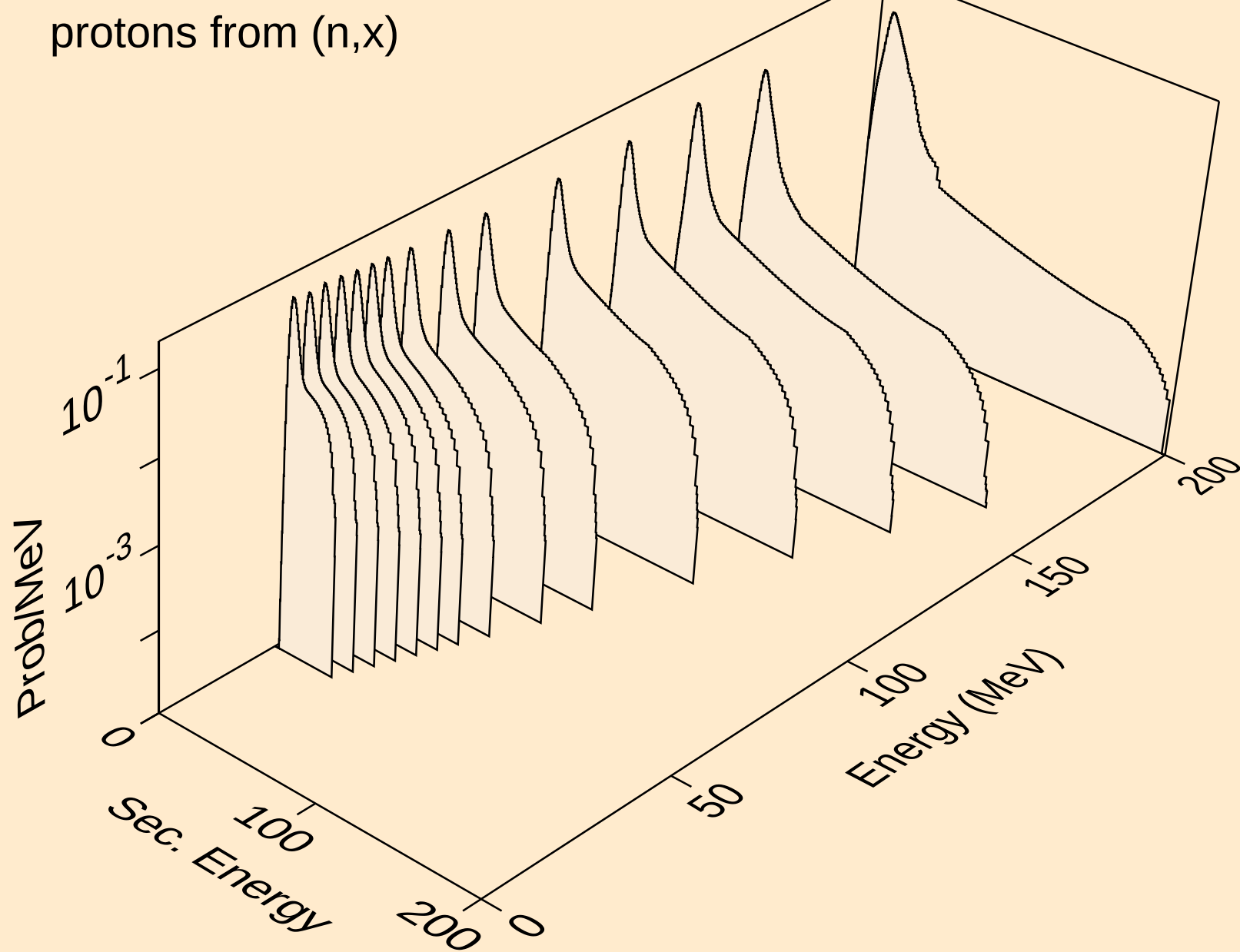


BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

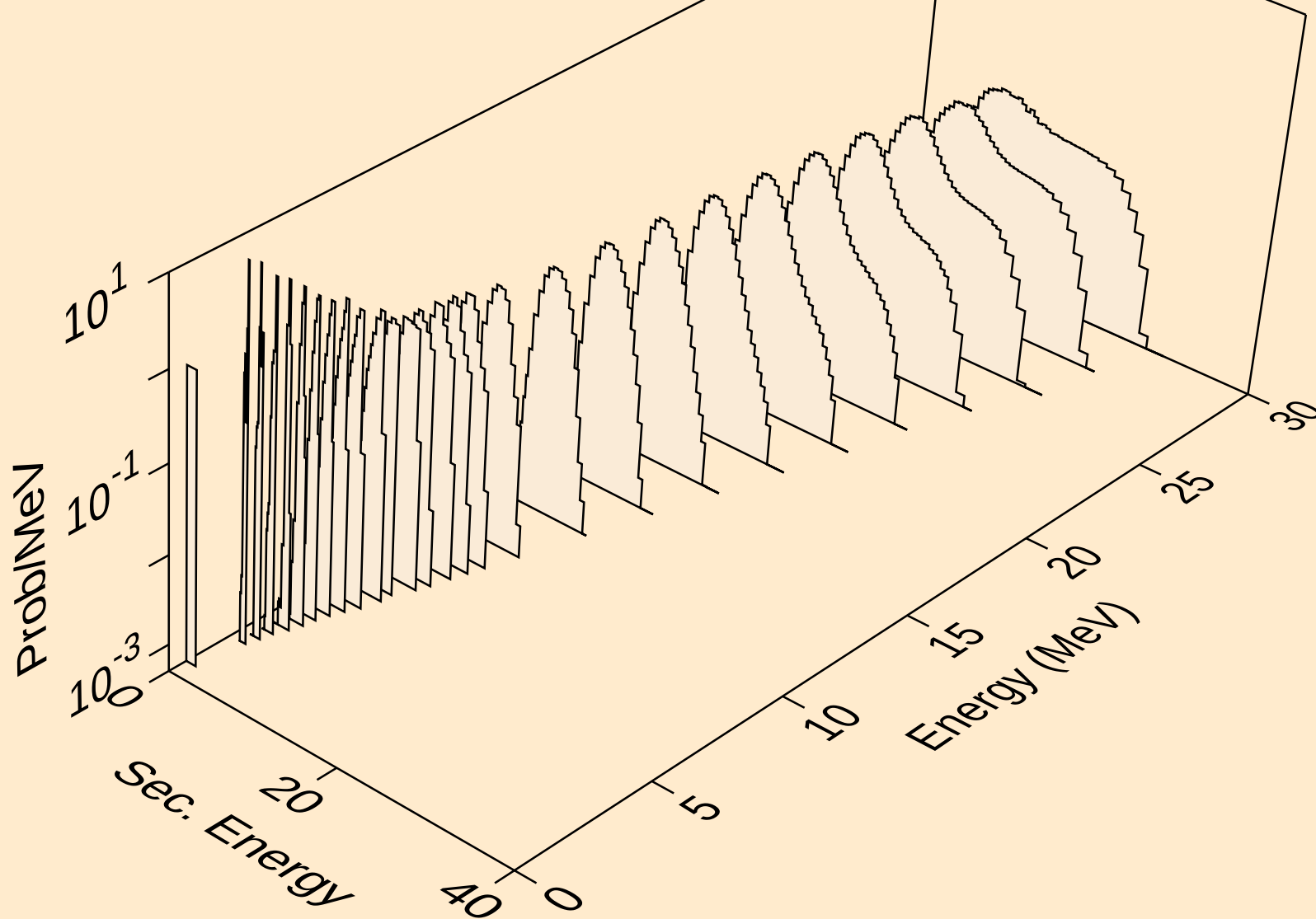
Particle production cross sections



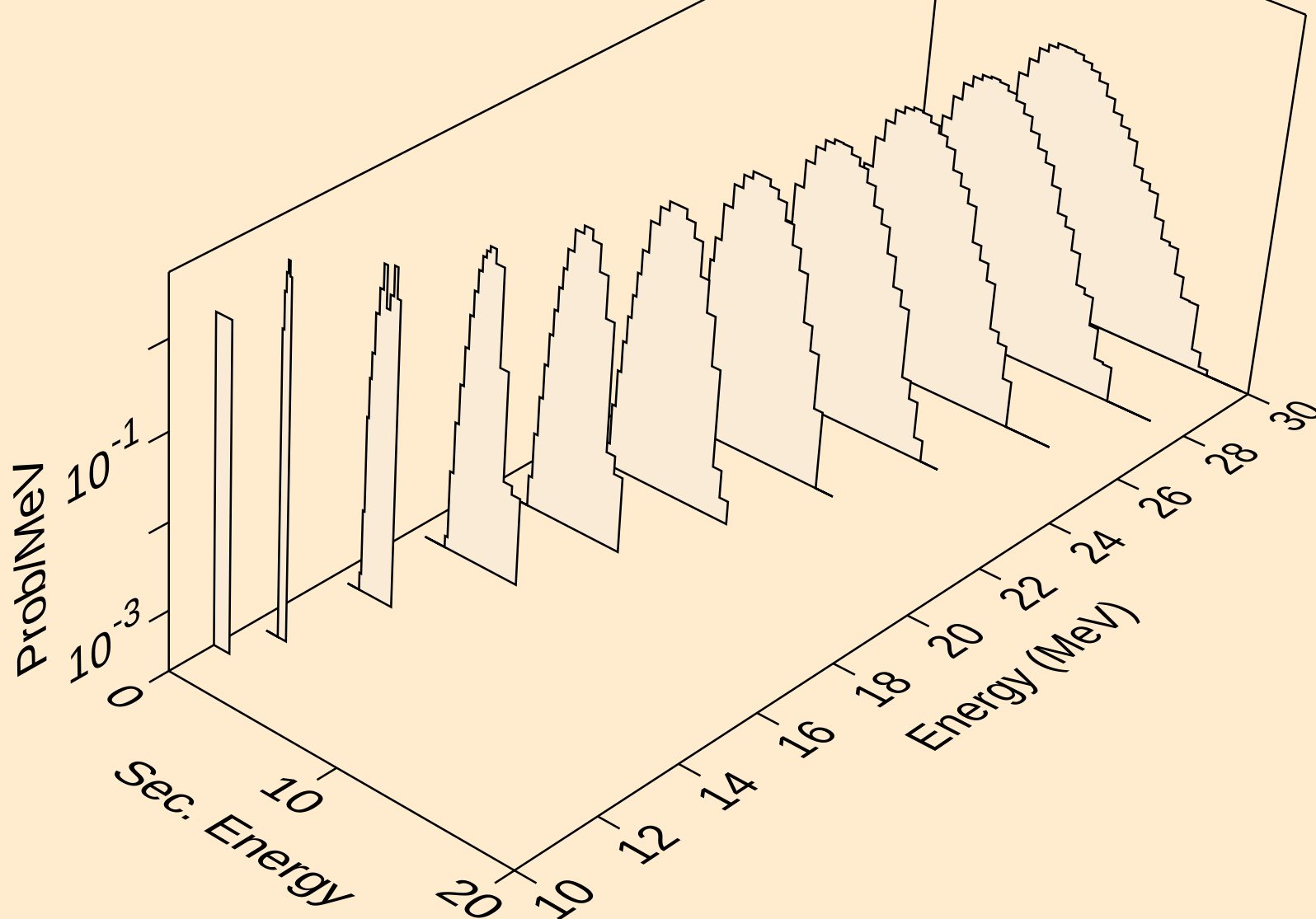
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



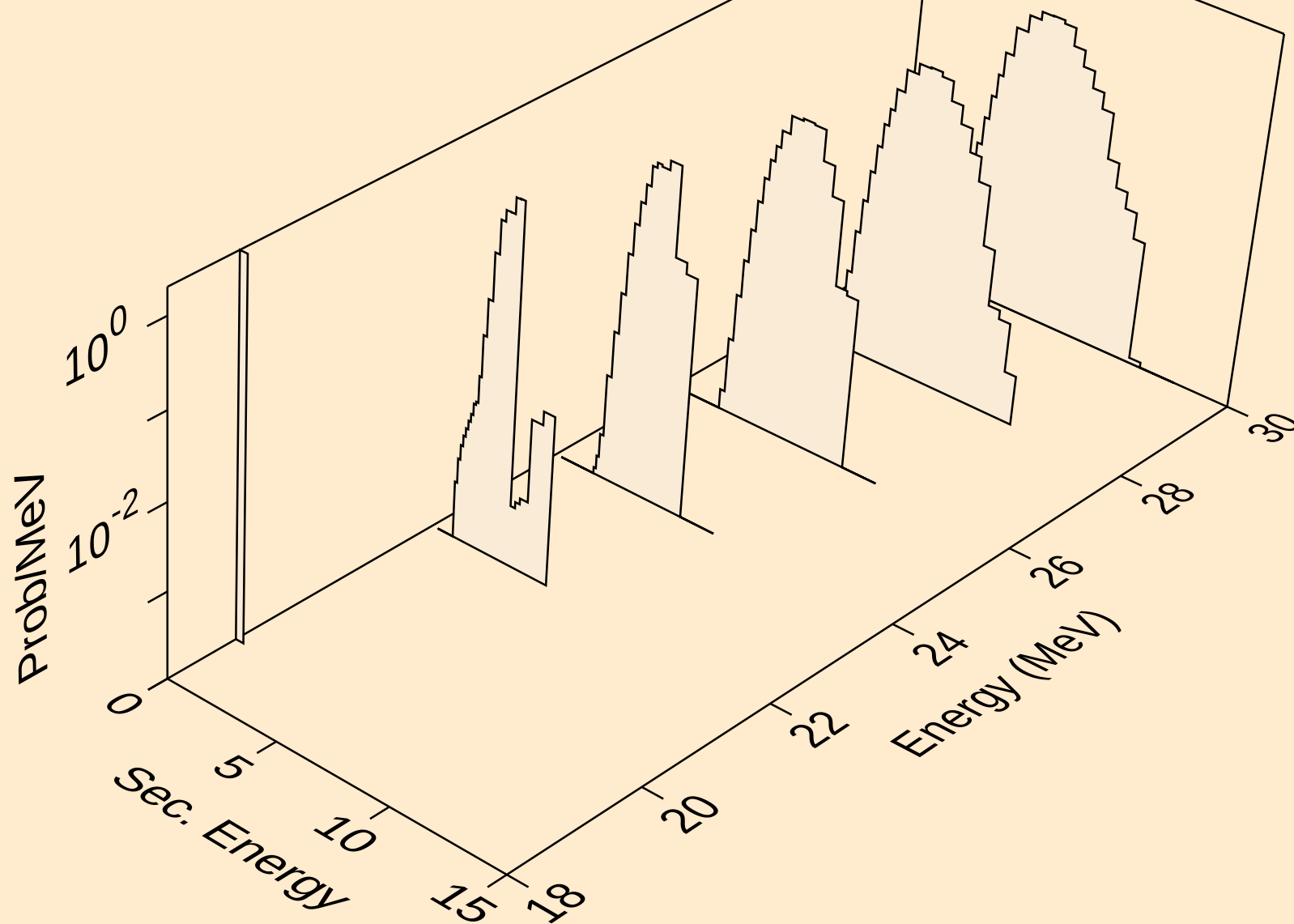
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



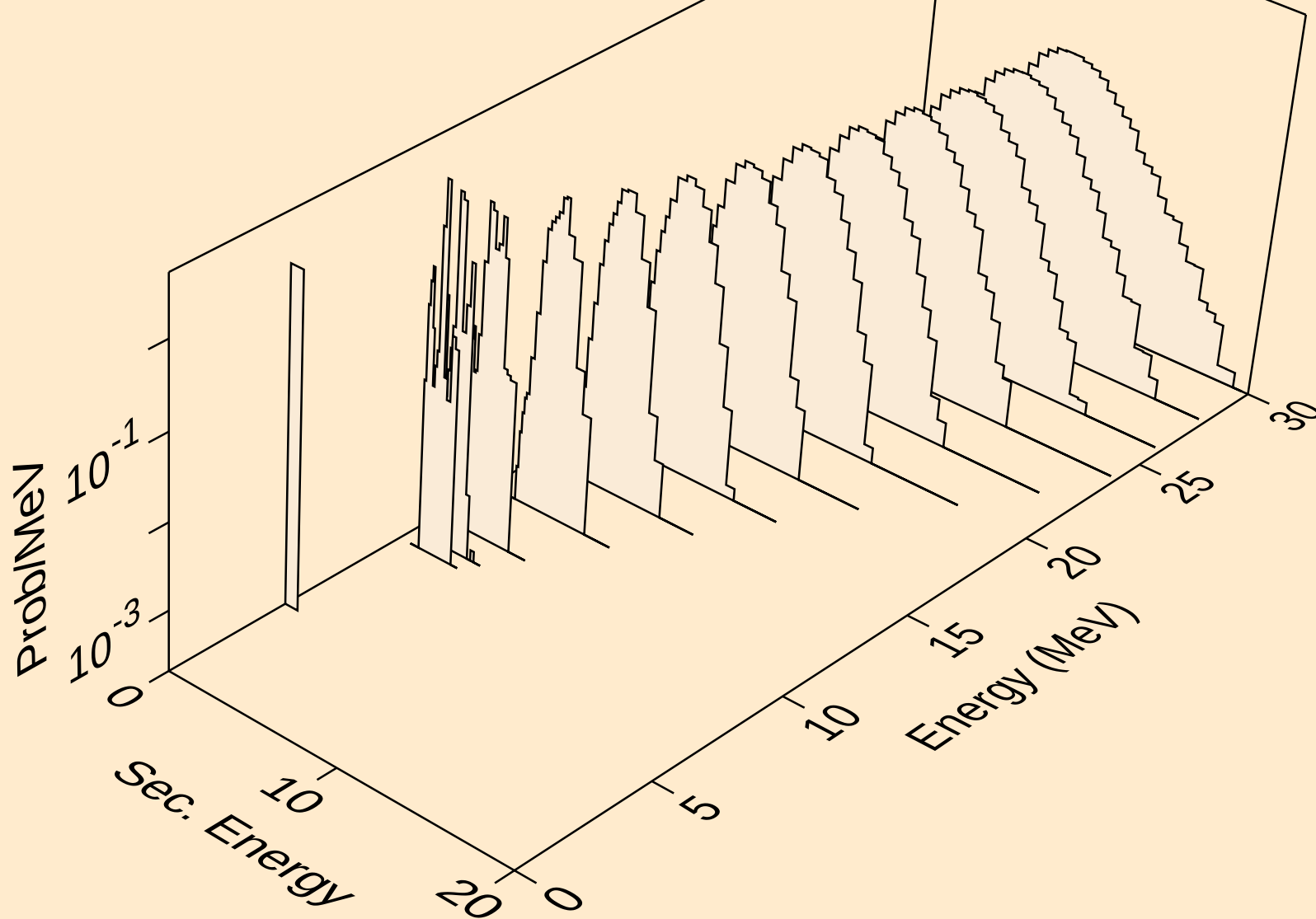
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



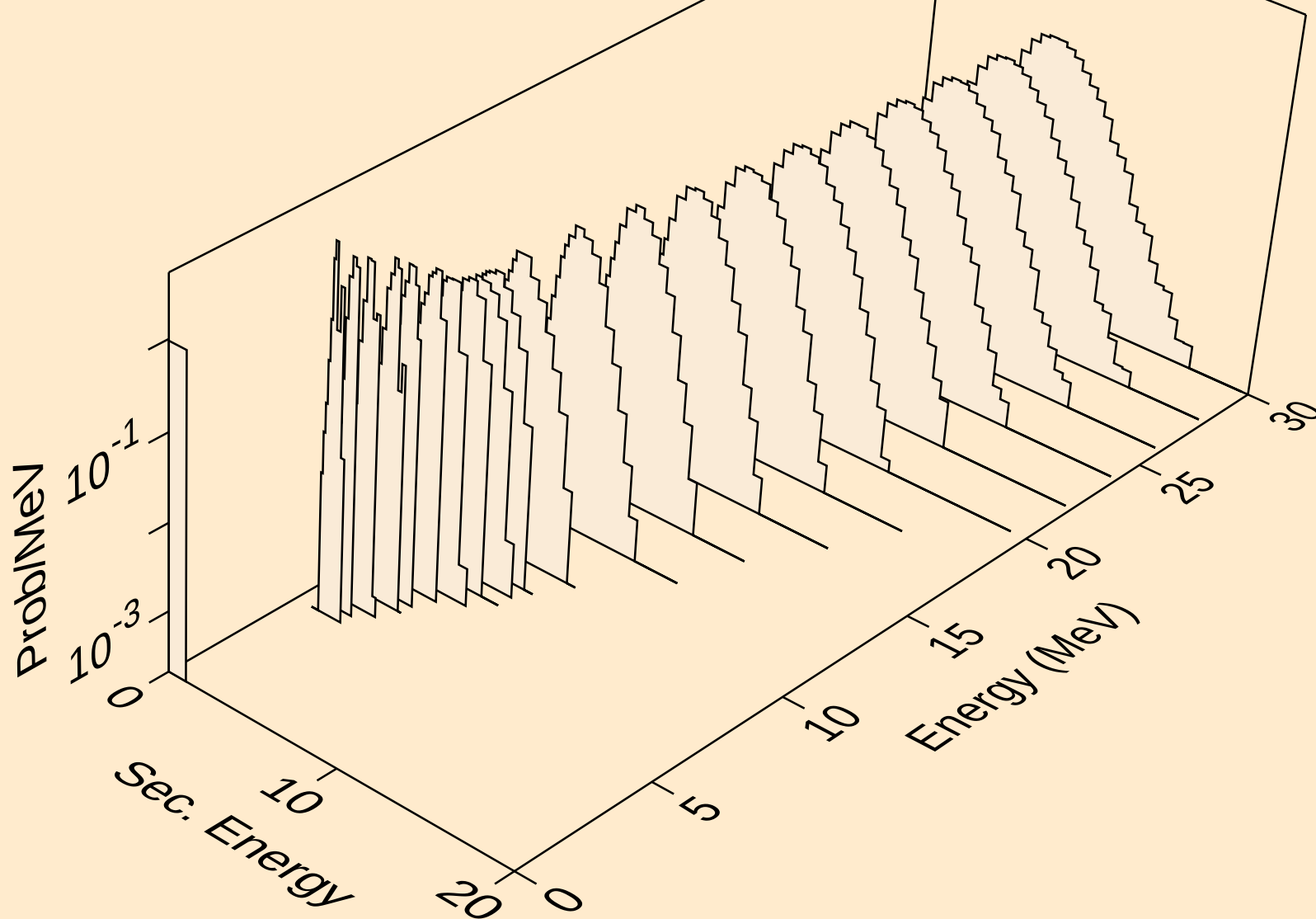
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



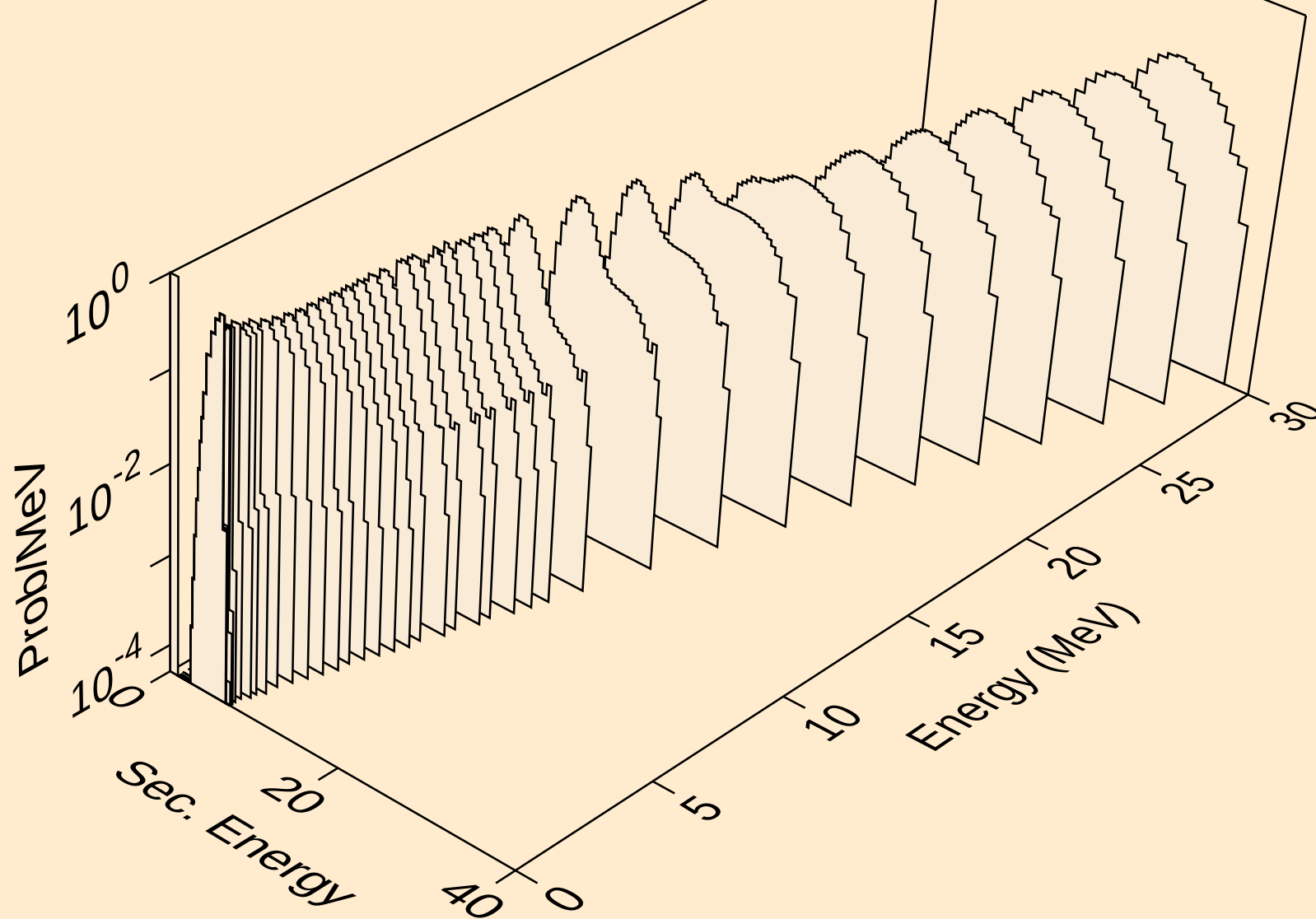
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



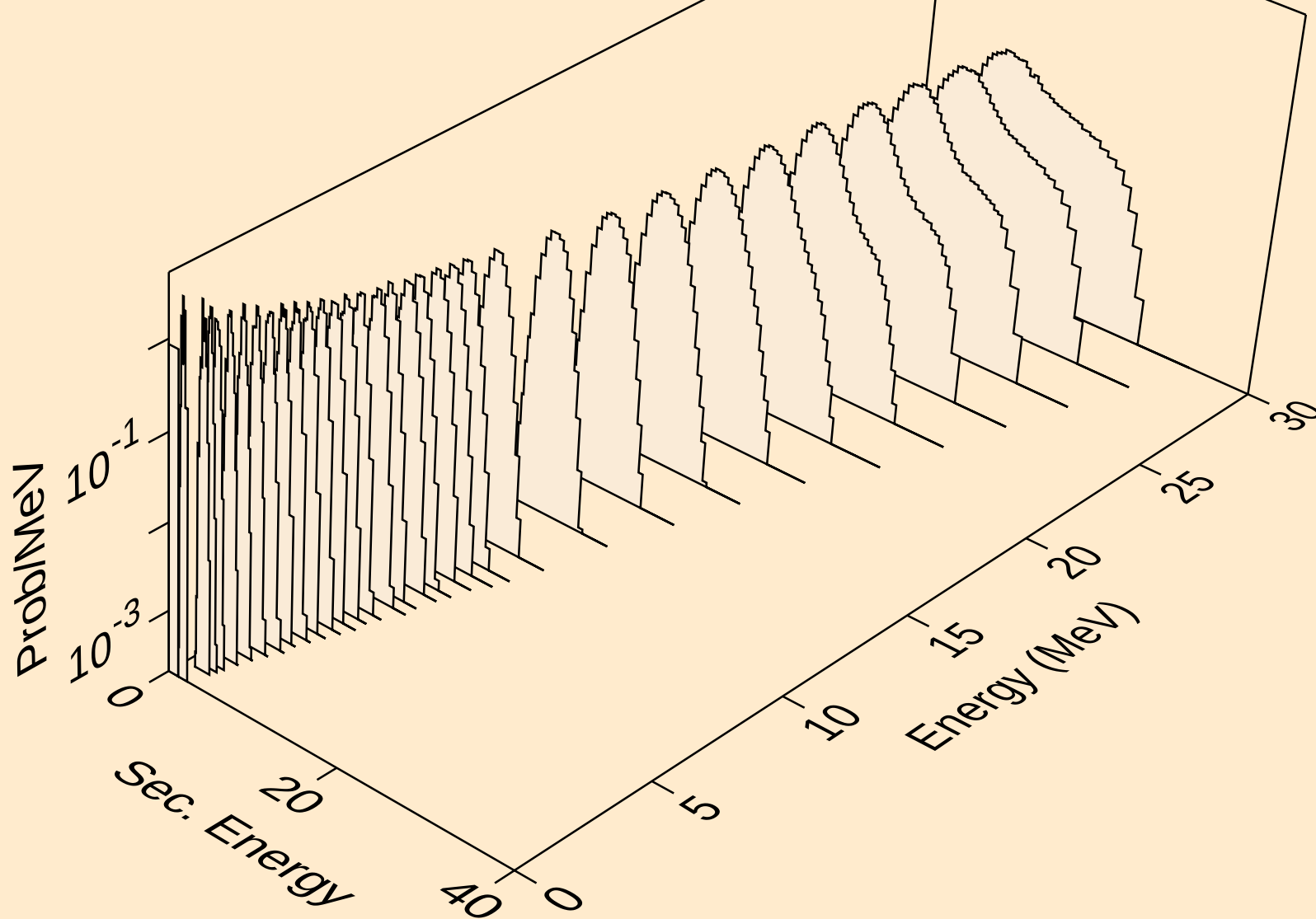
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



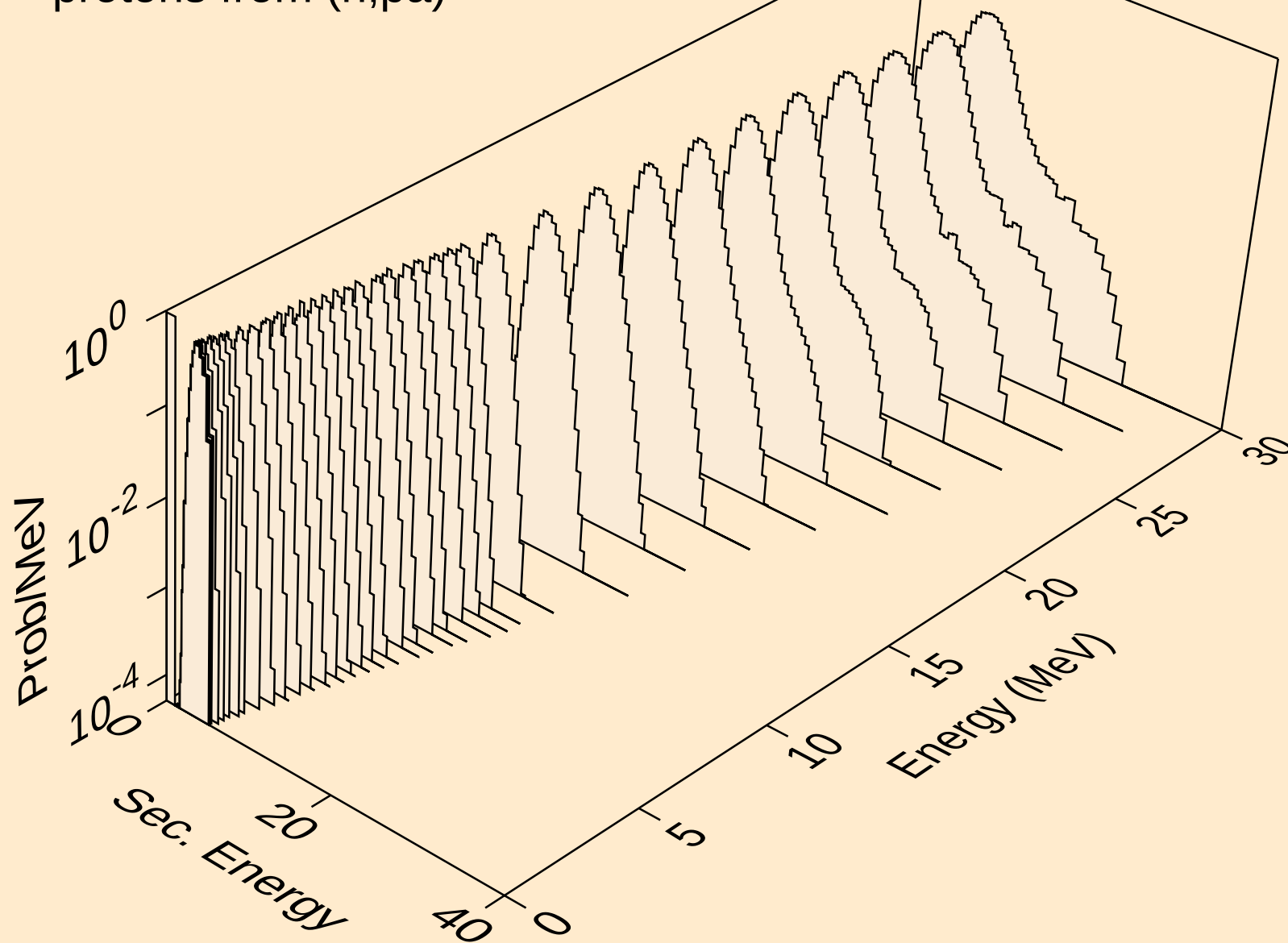
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



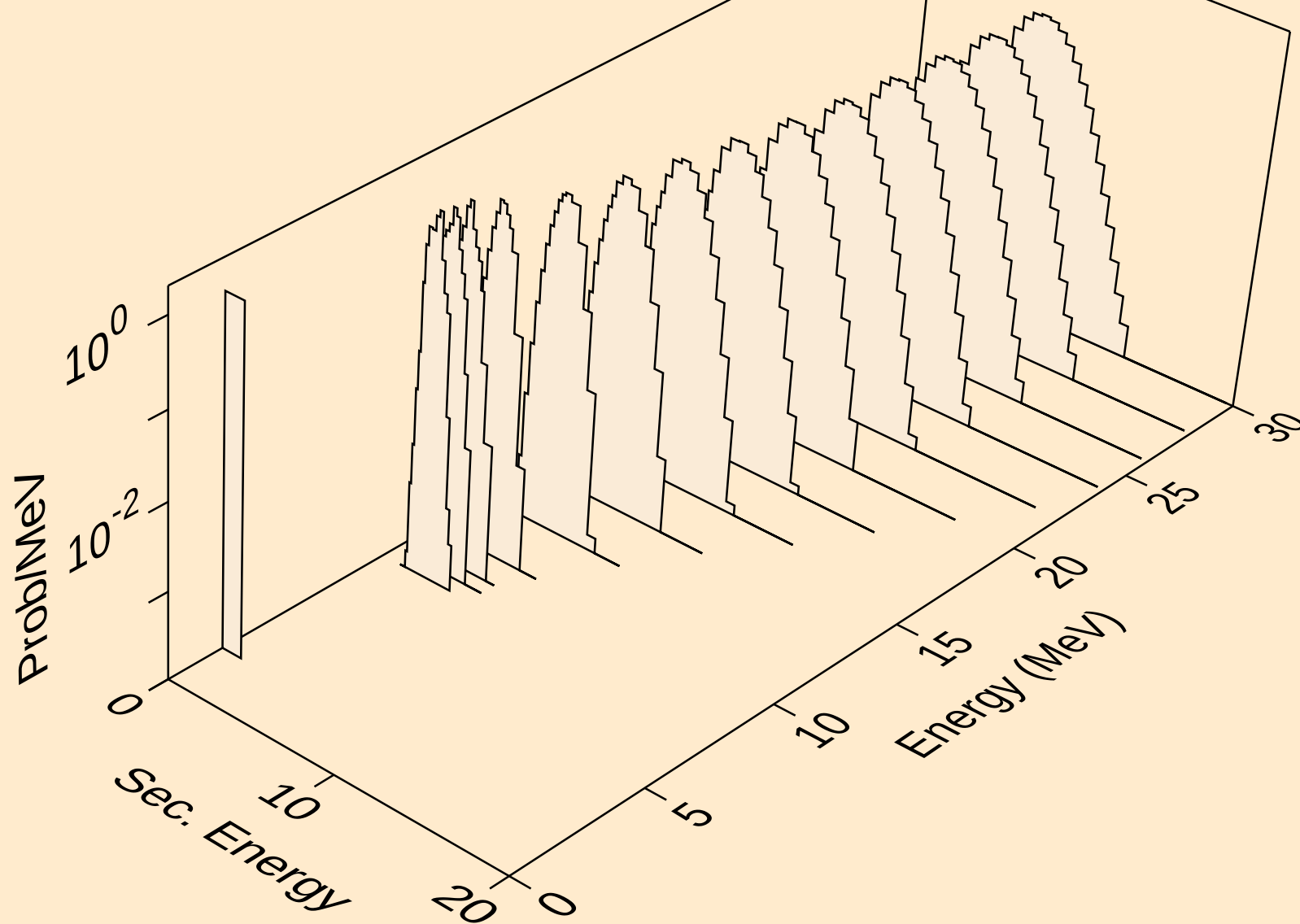
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



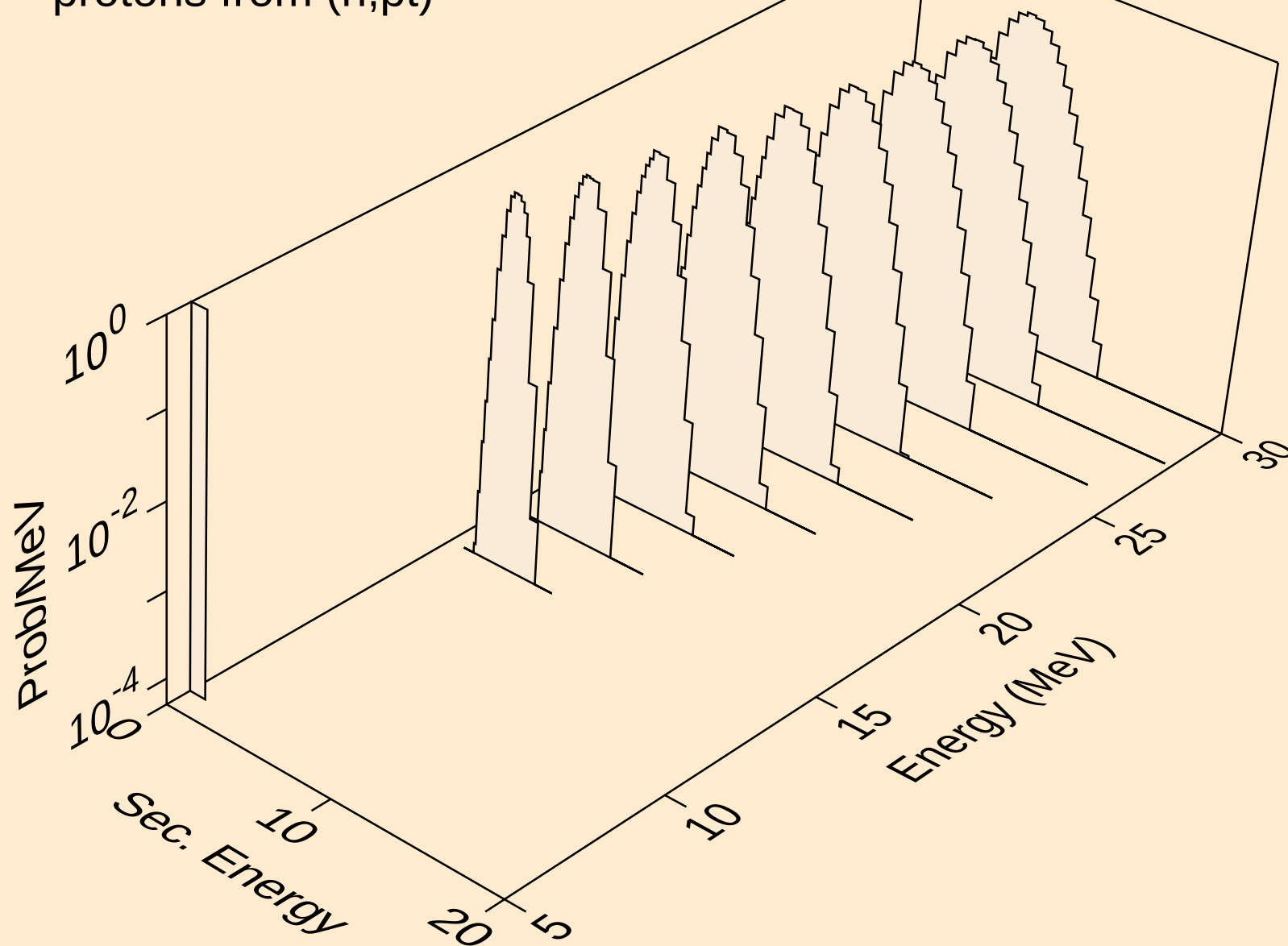
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



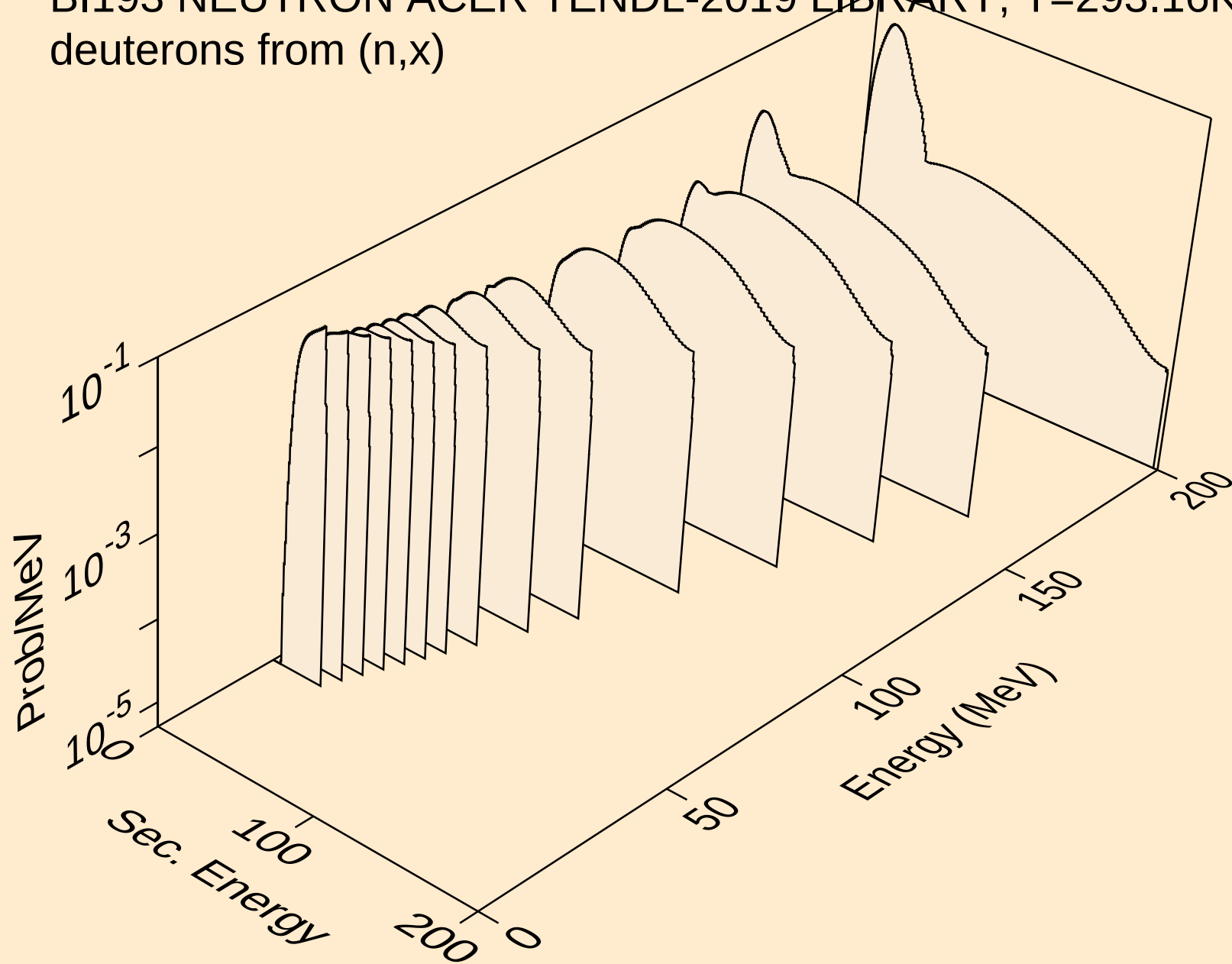
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



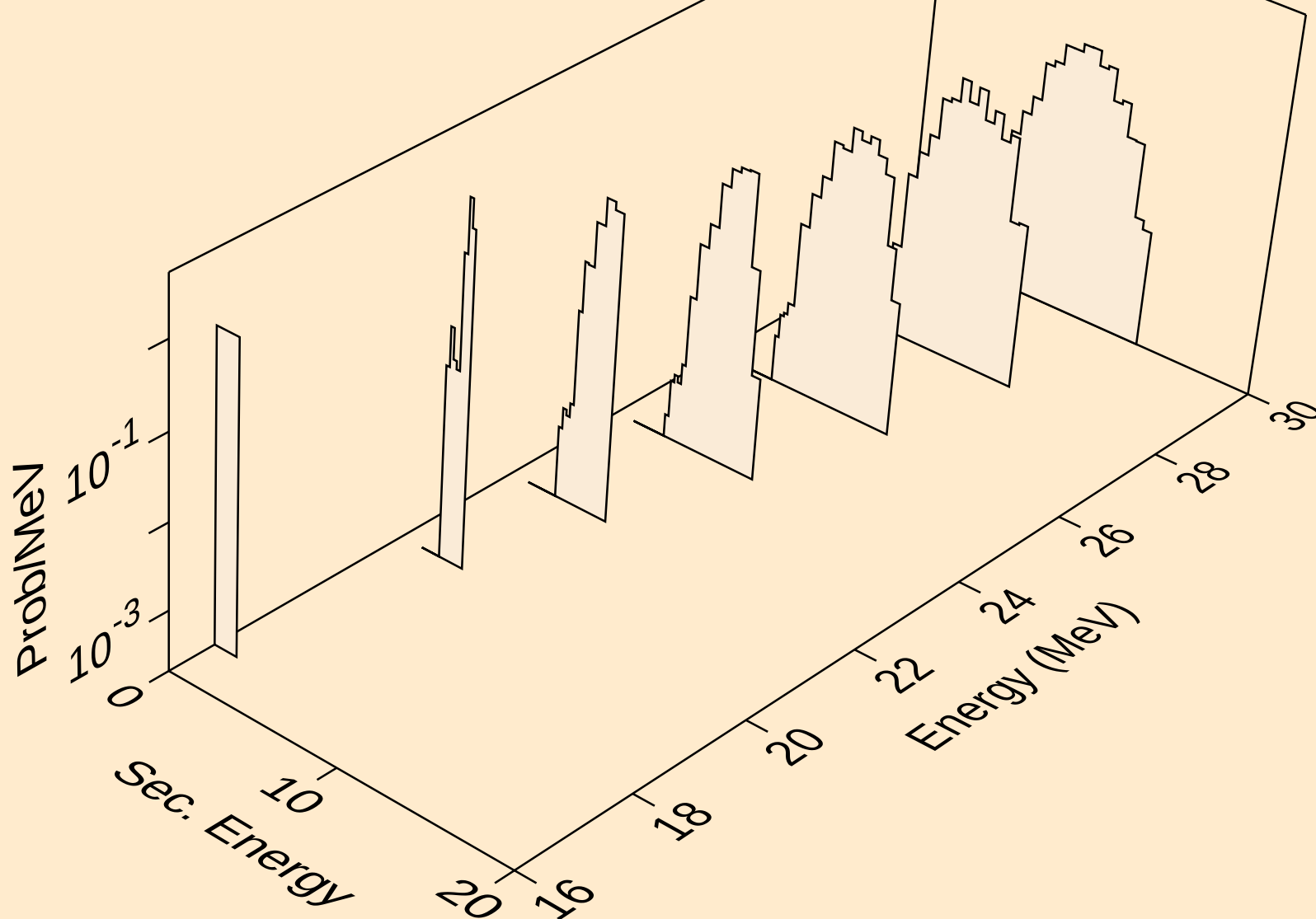
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



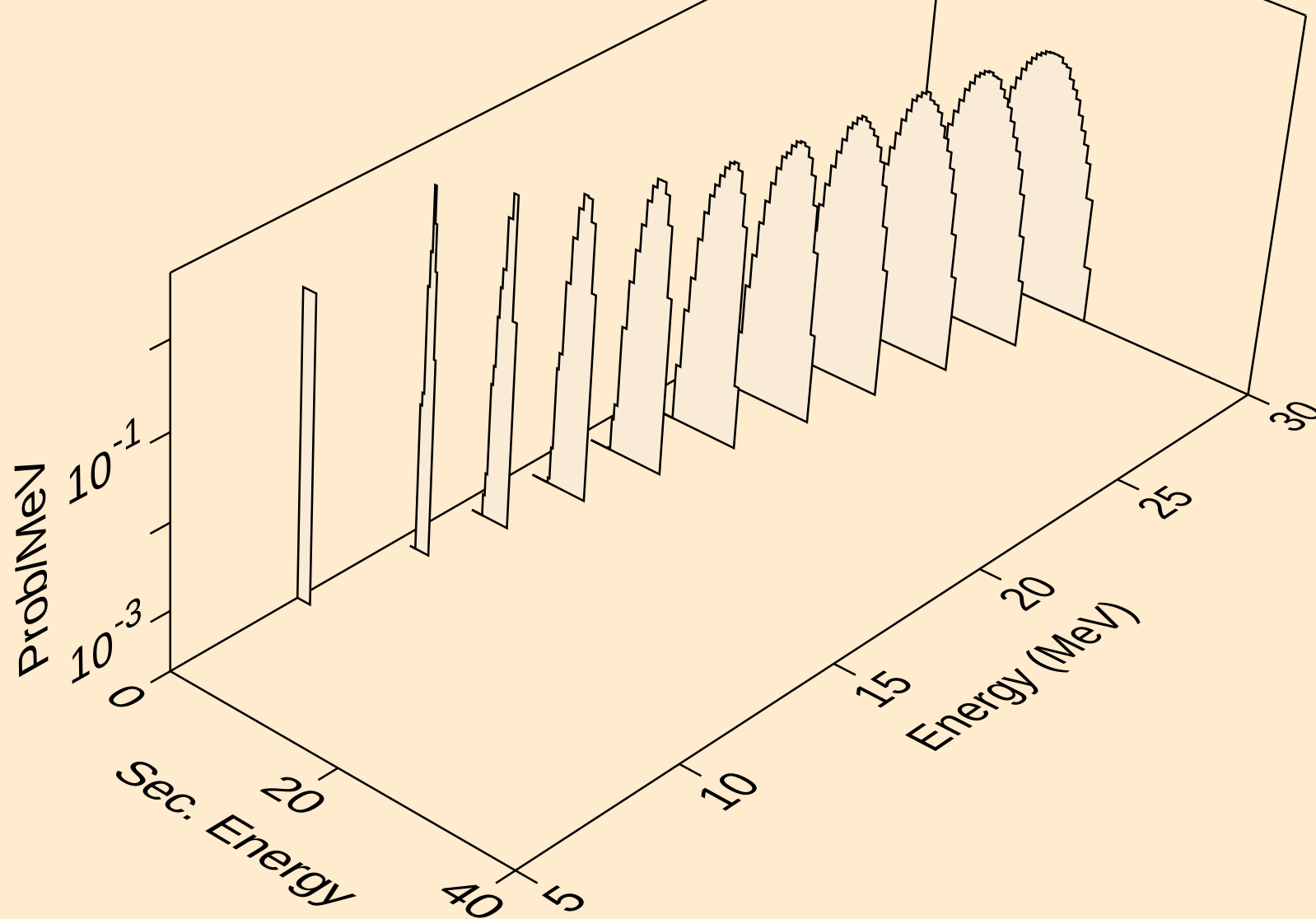
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



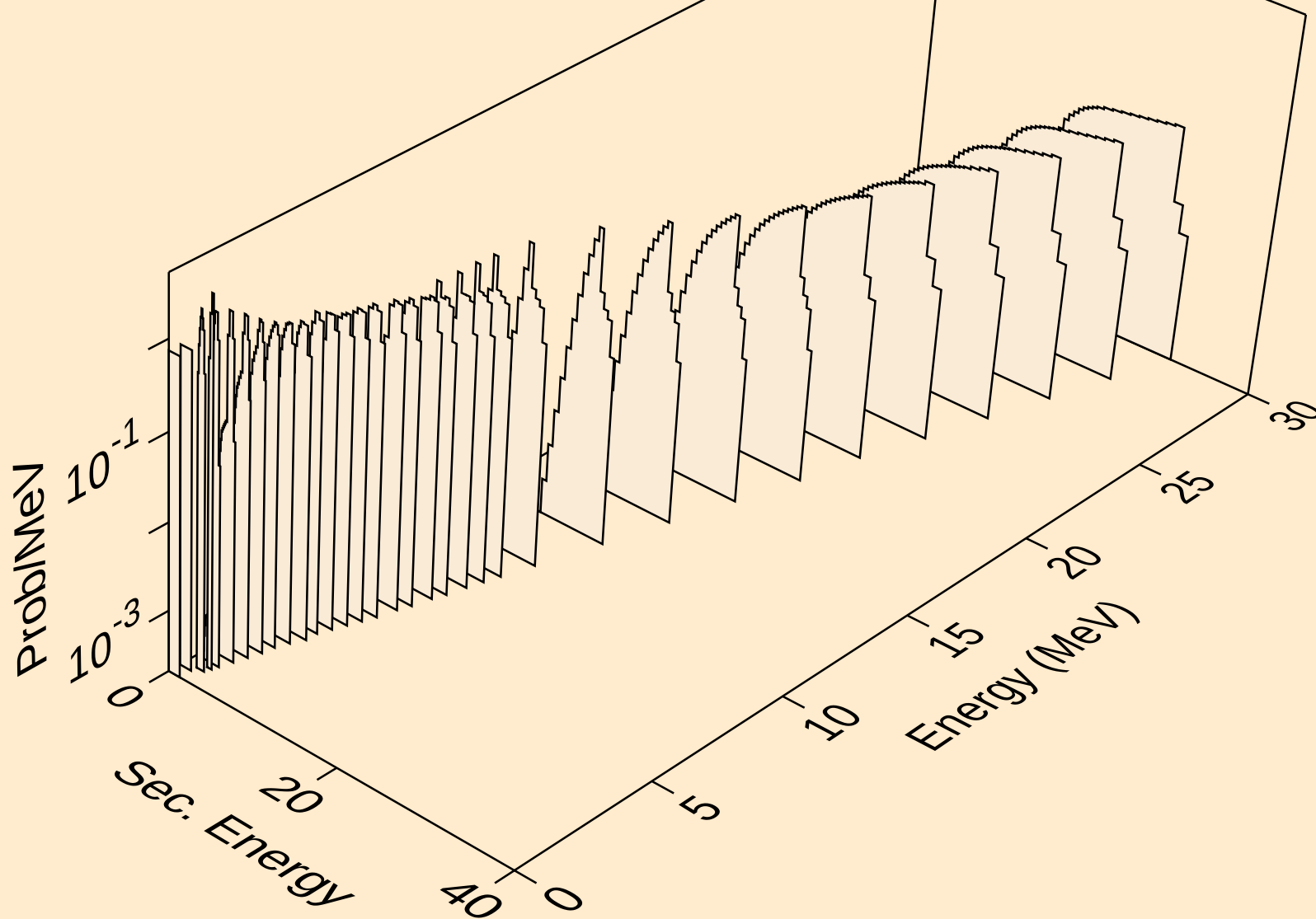
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



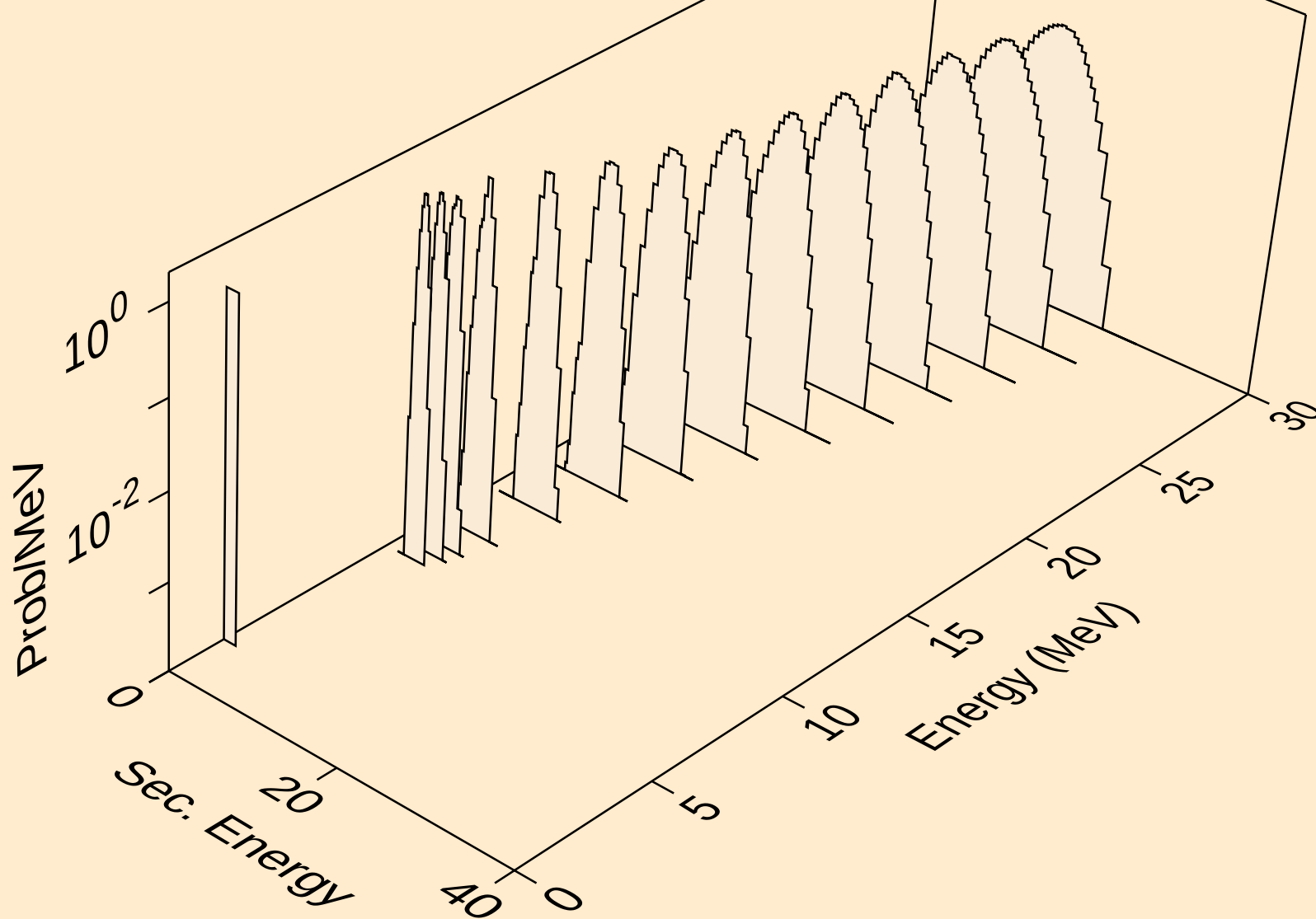
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



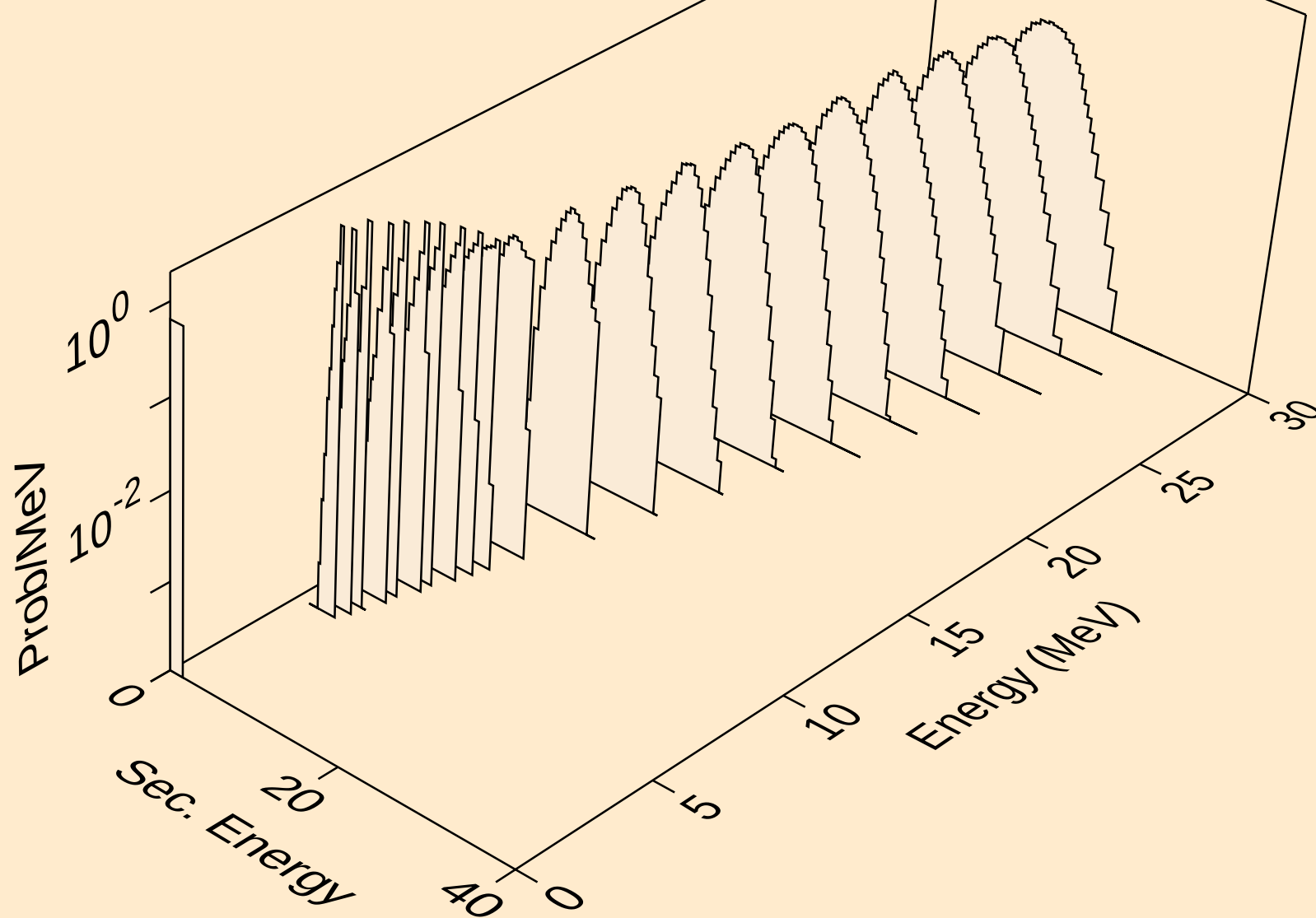
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



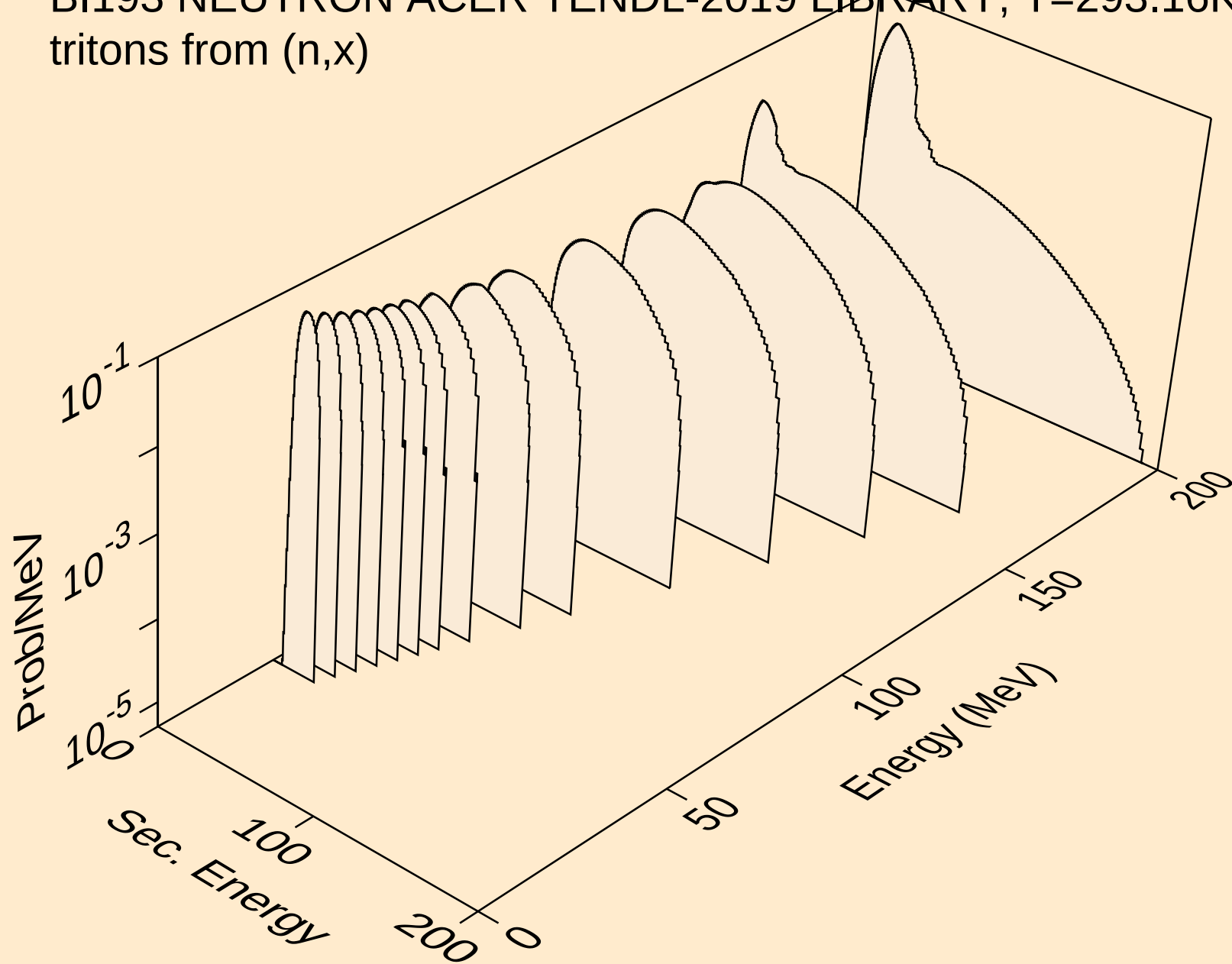
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



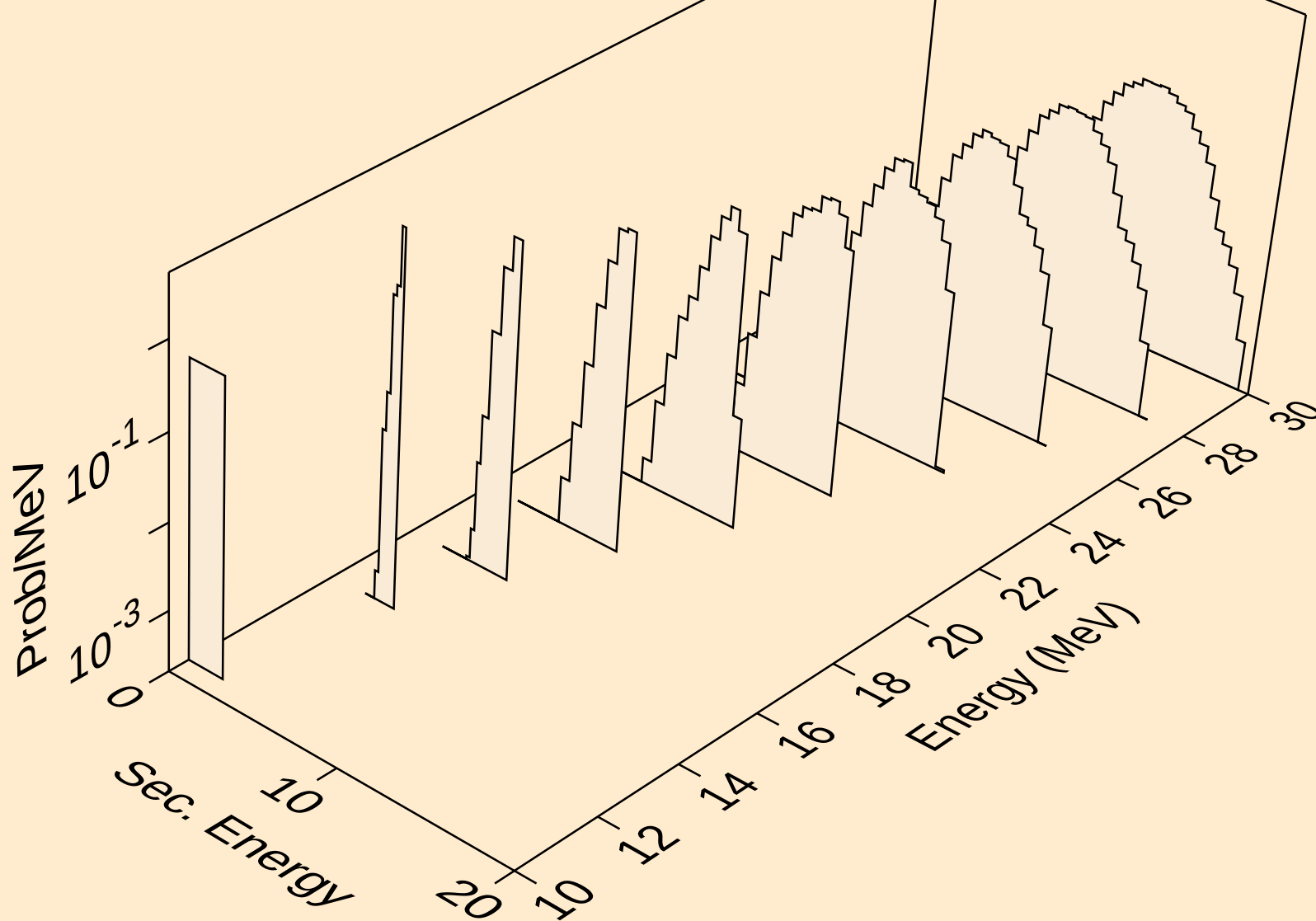
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



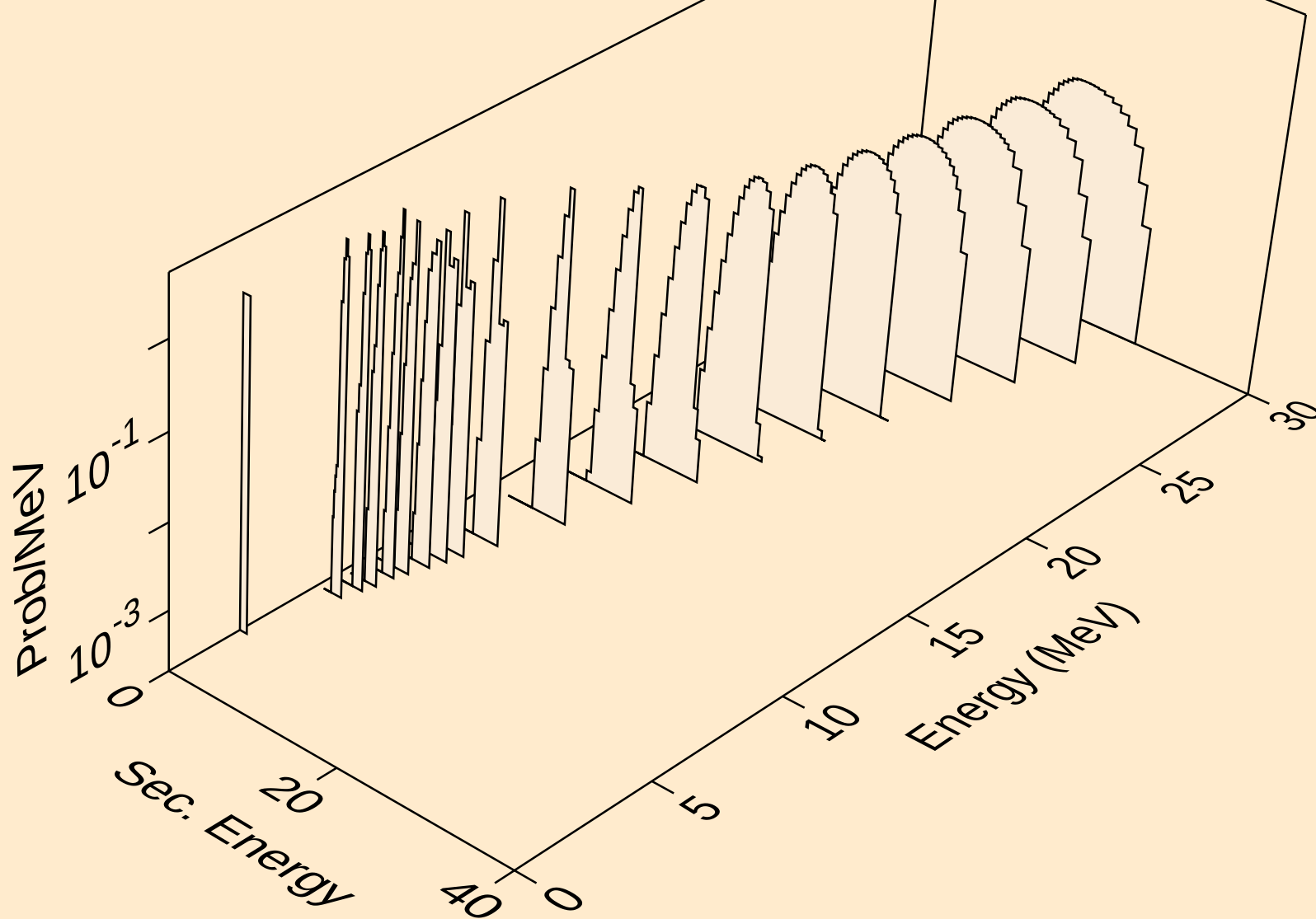
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



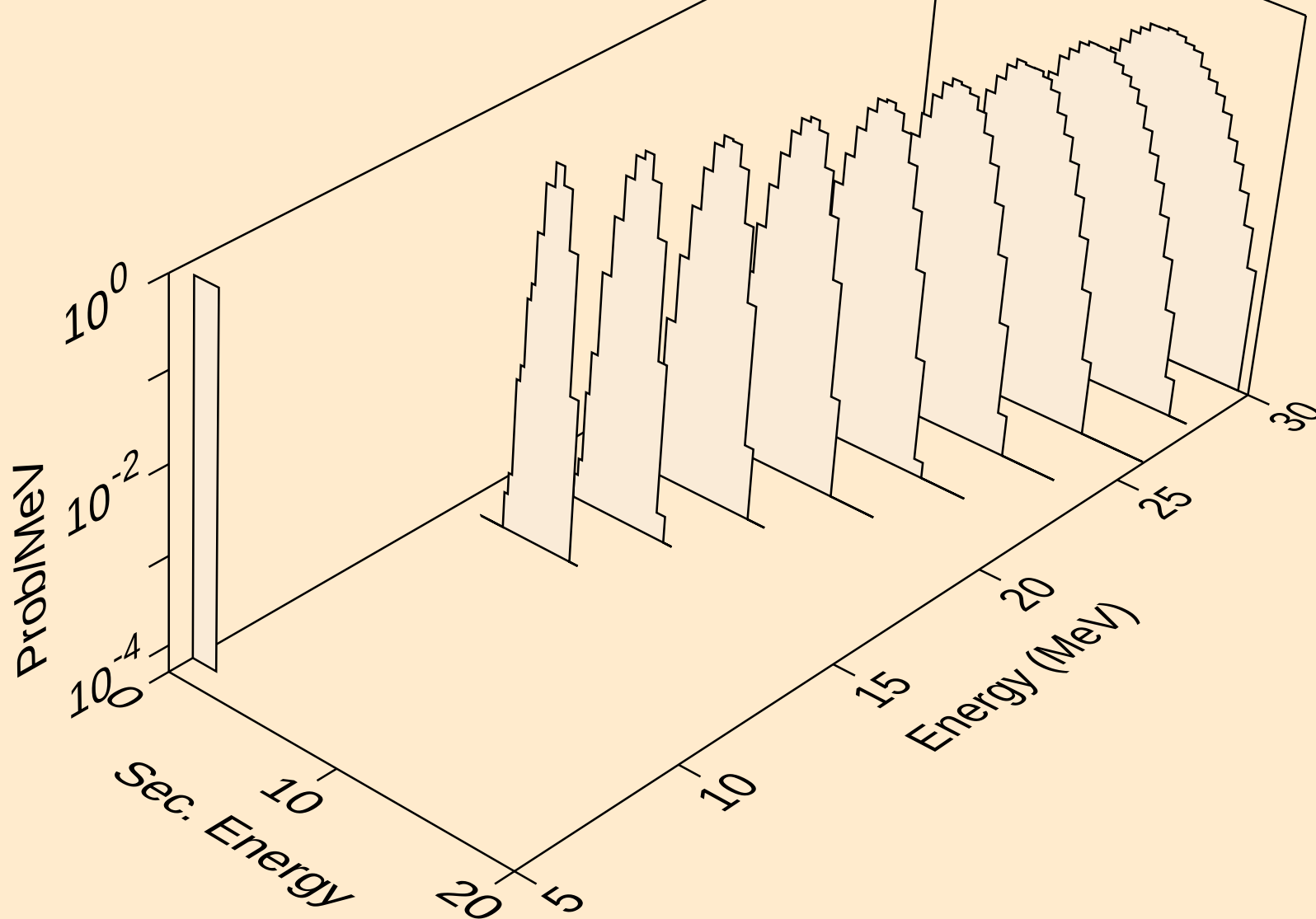
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



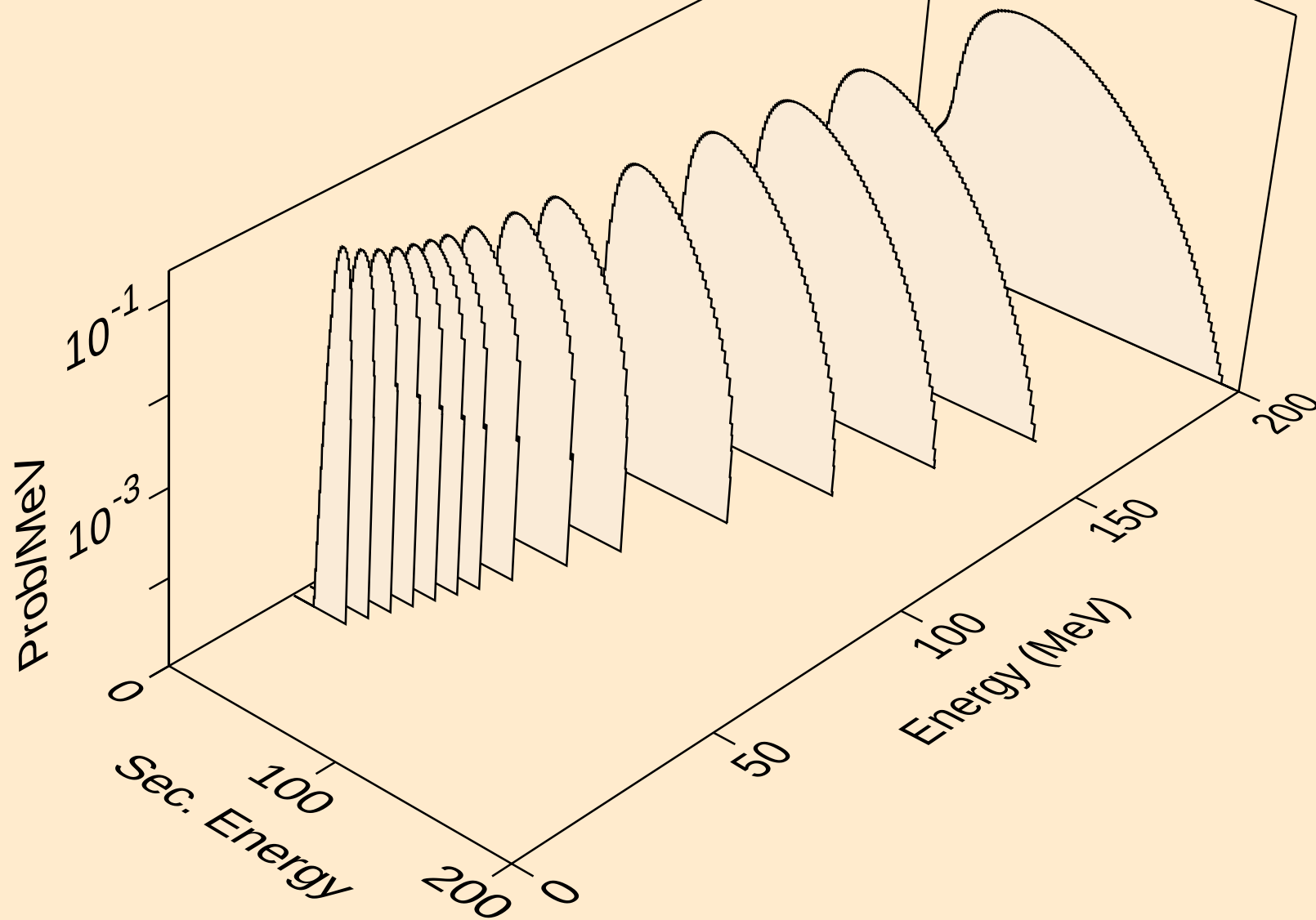
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



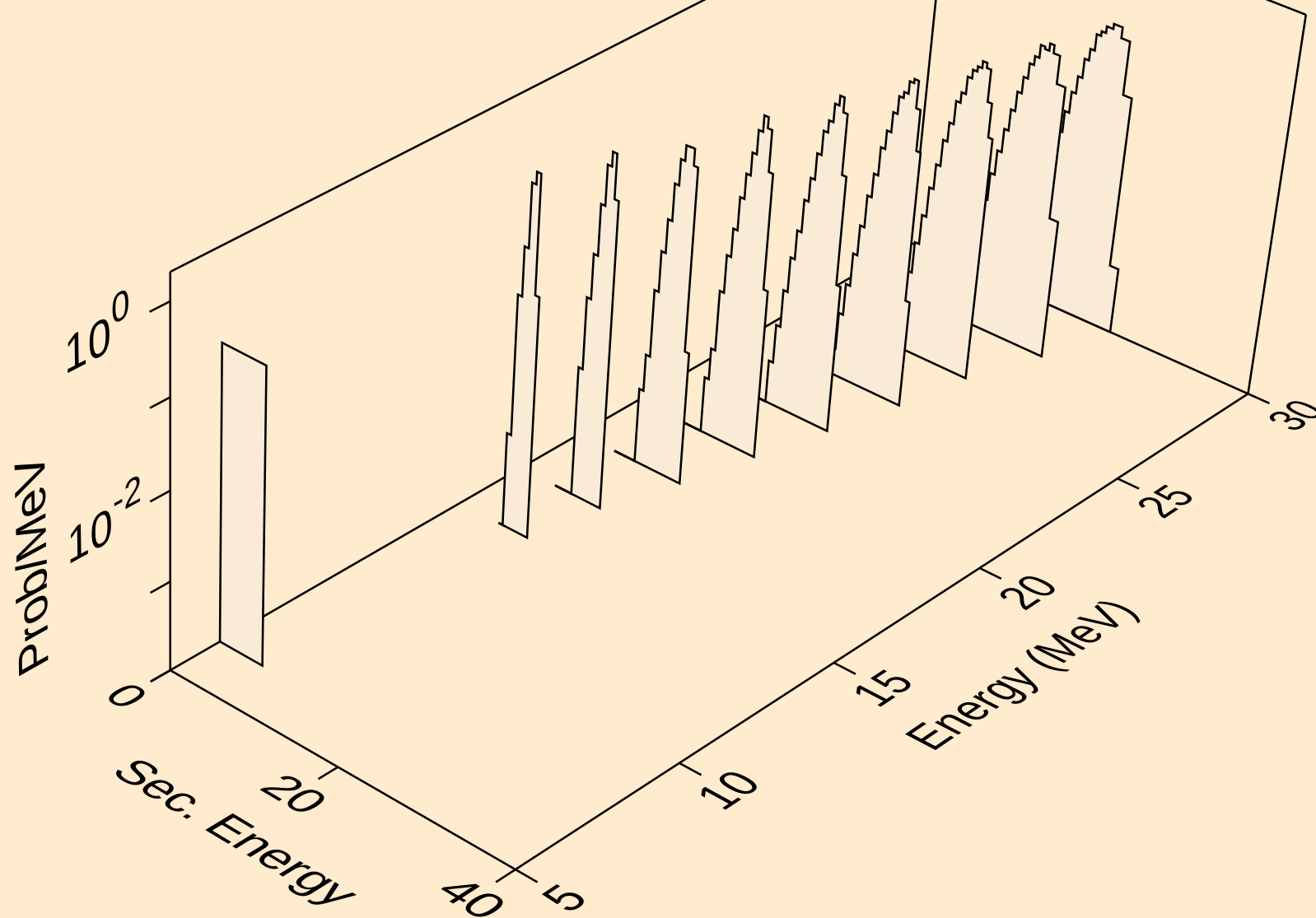
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



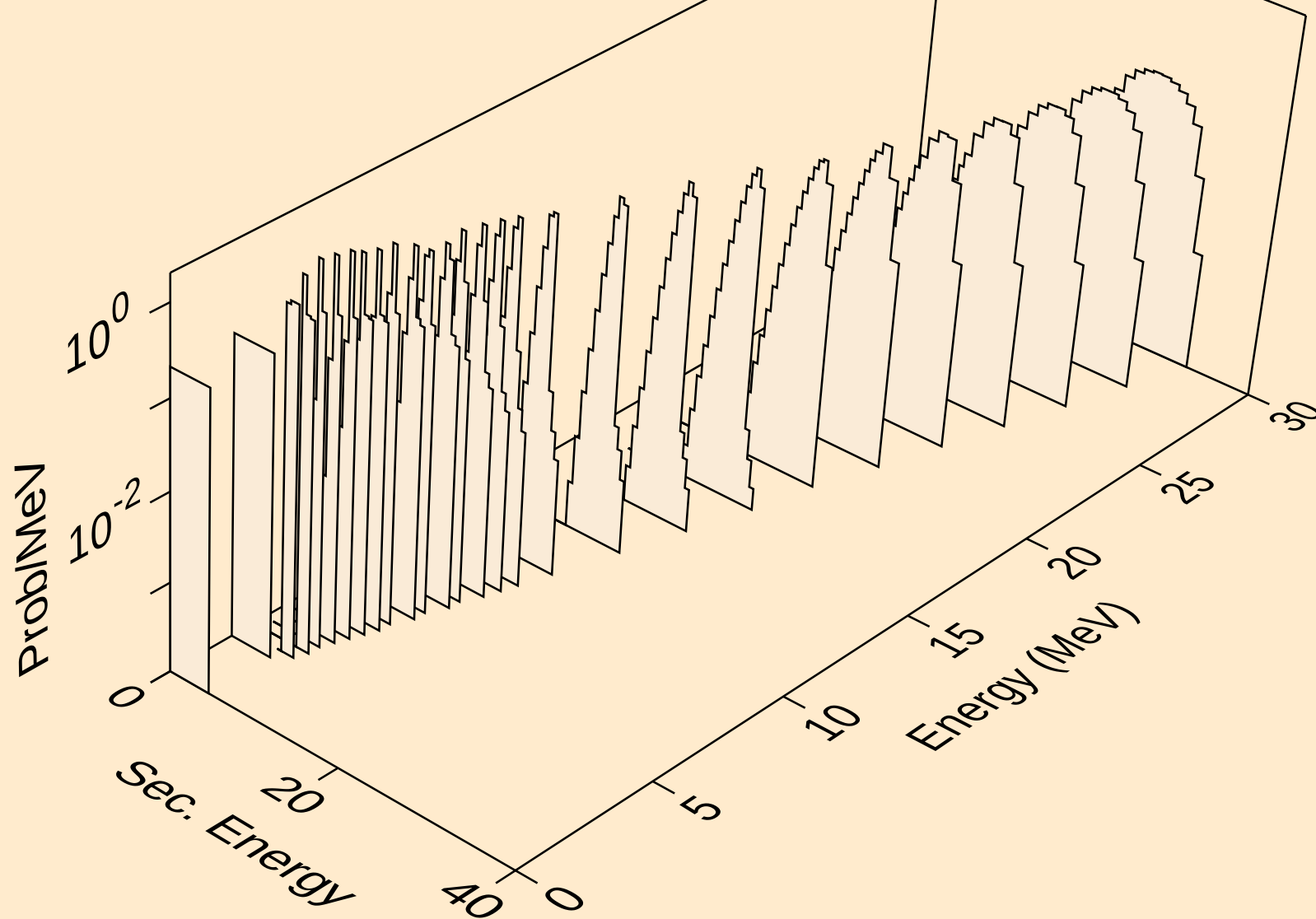
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



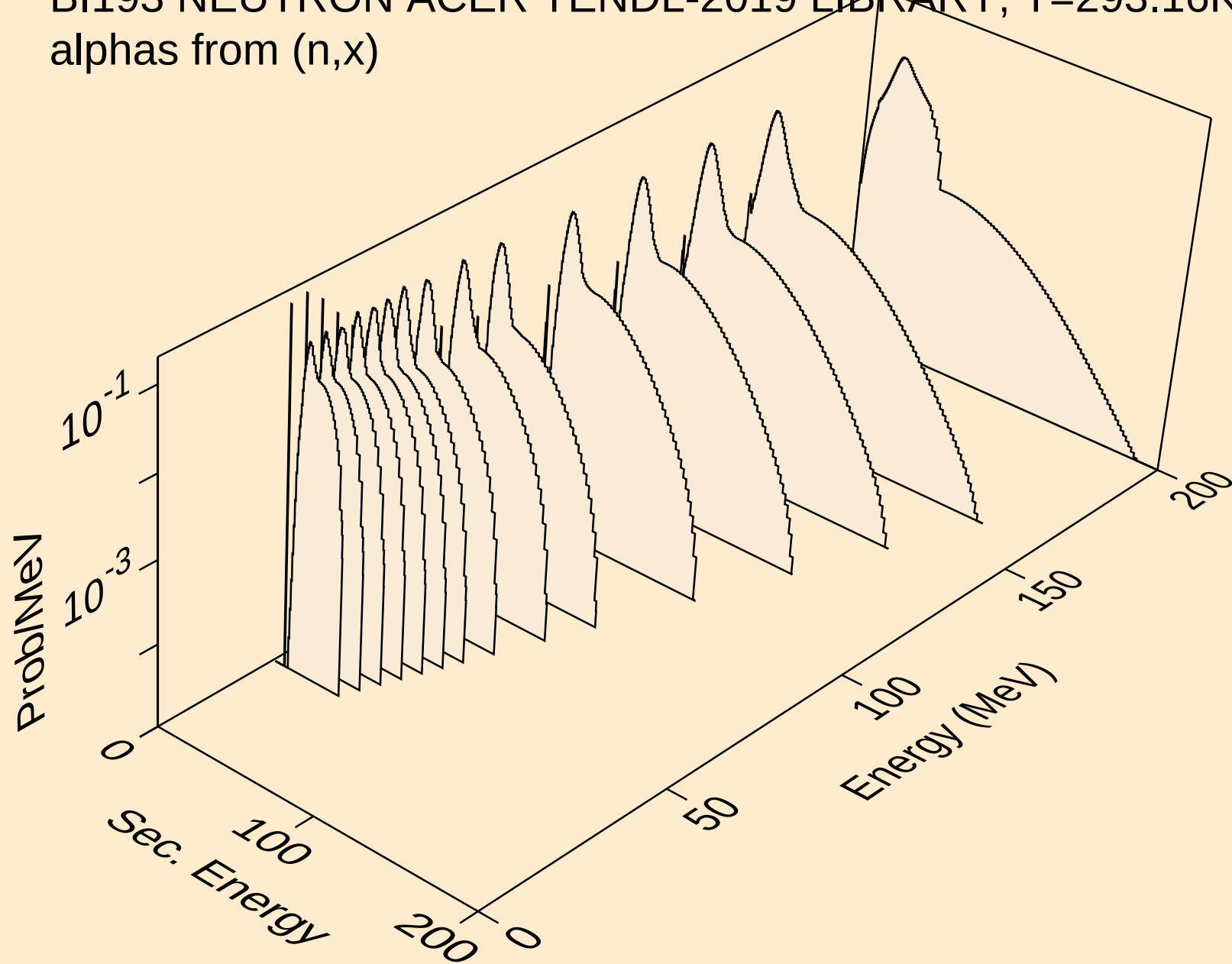
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



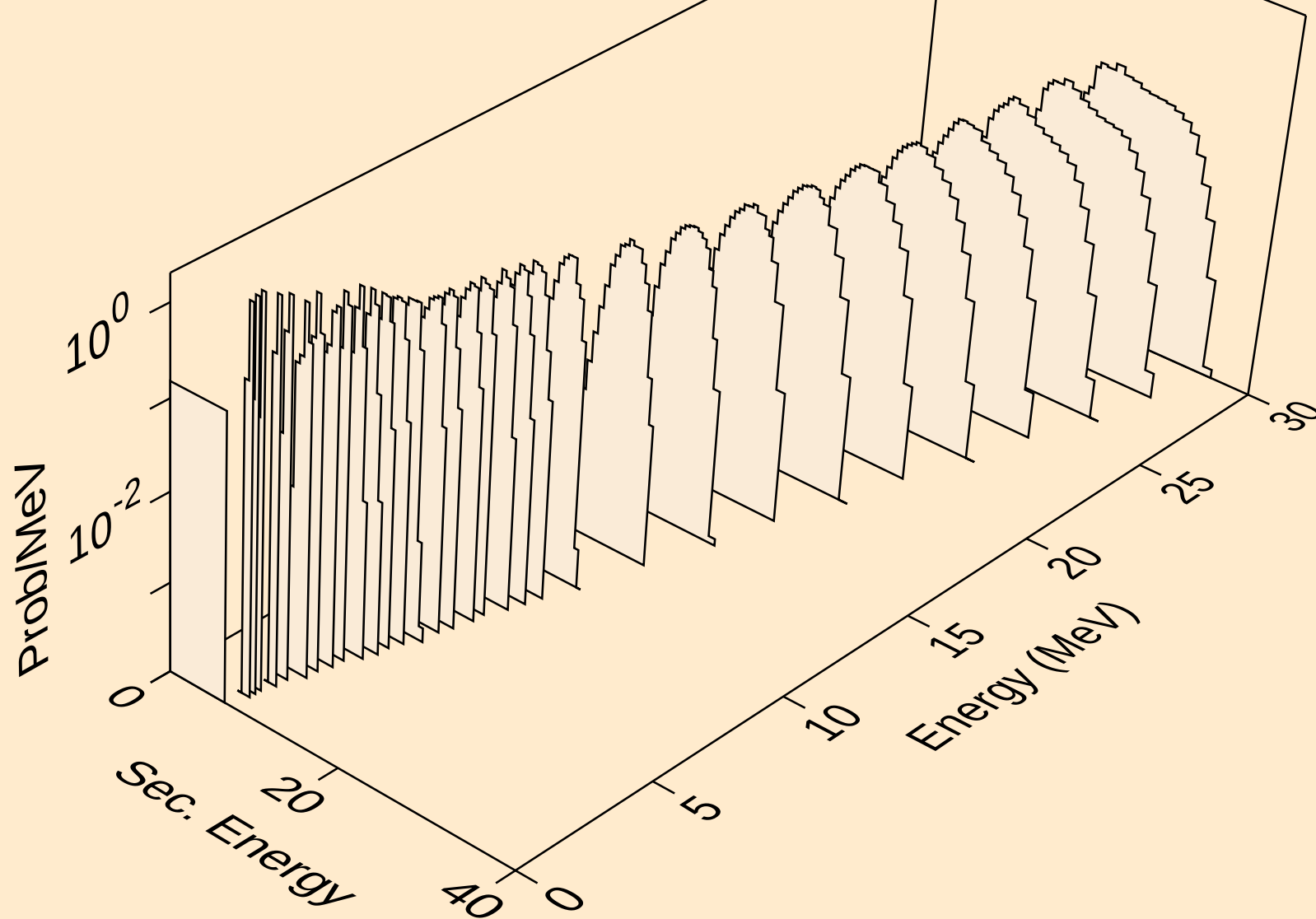
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he3s from (n,he3)



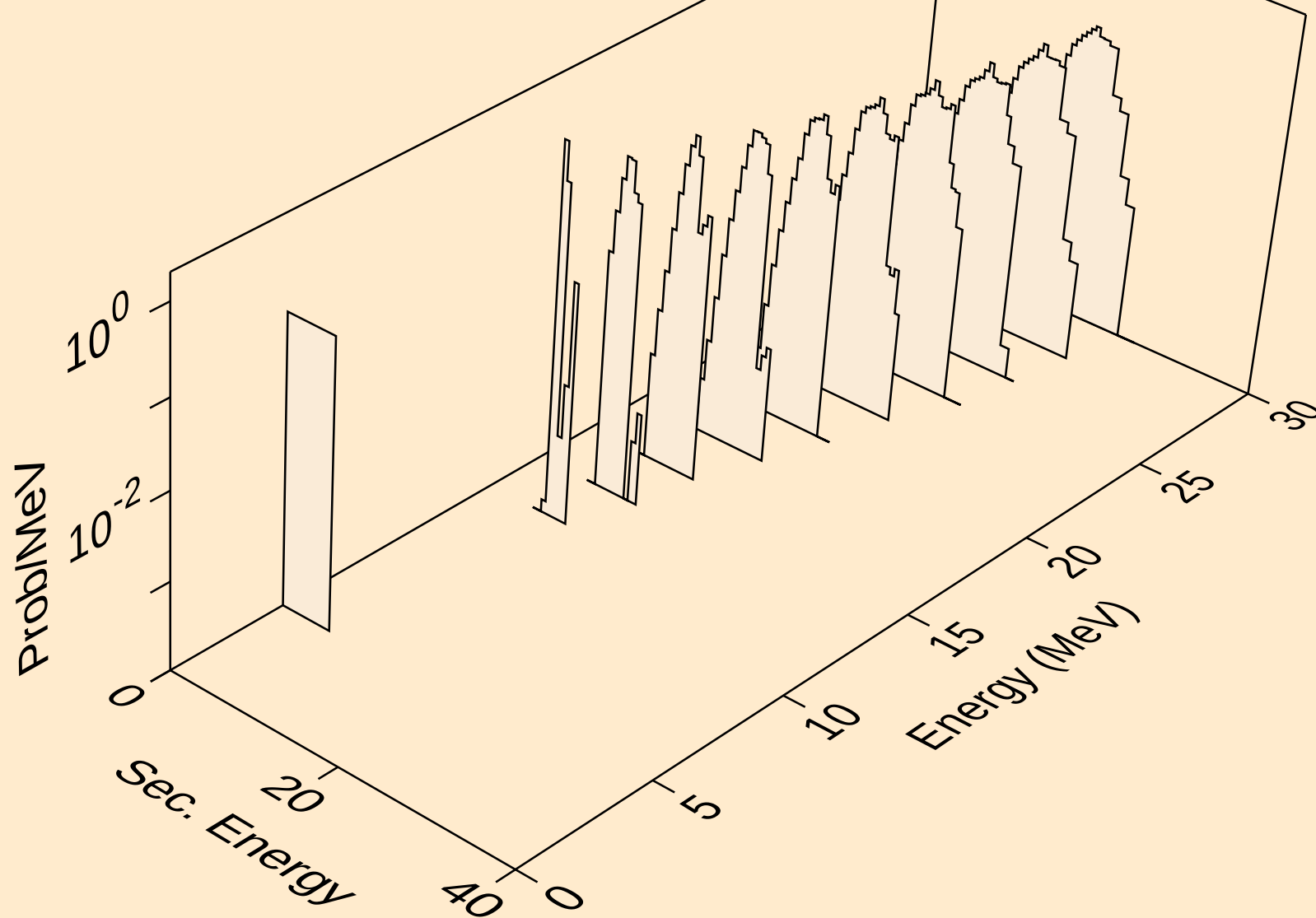
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



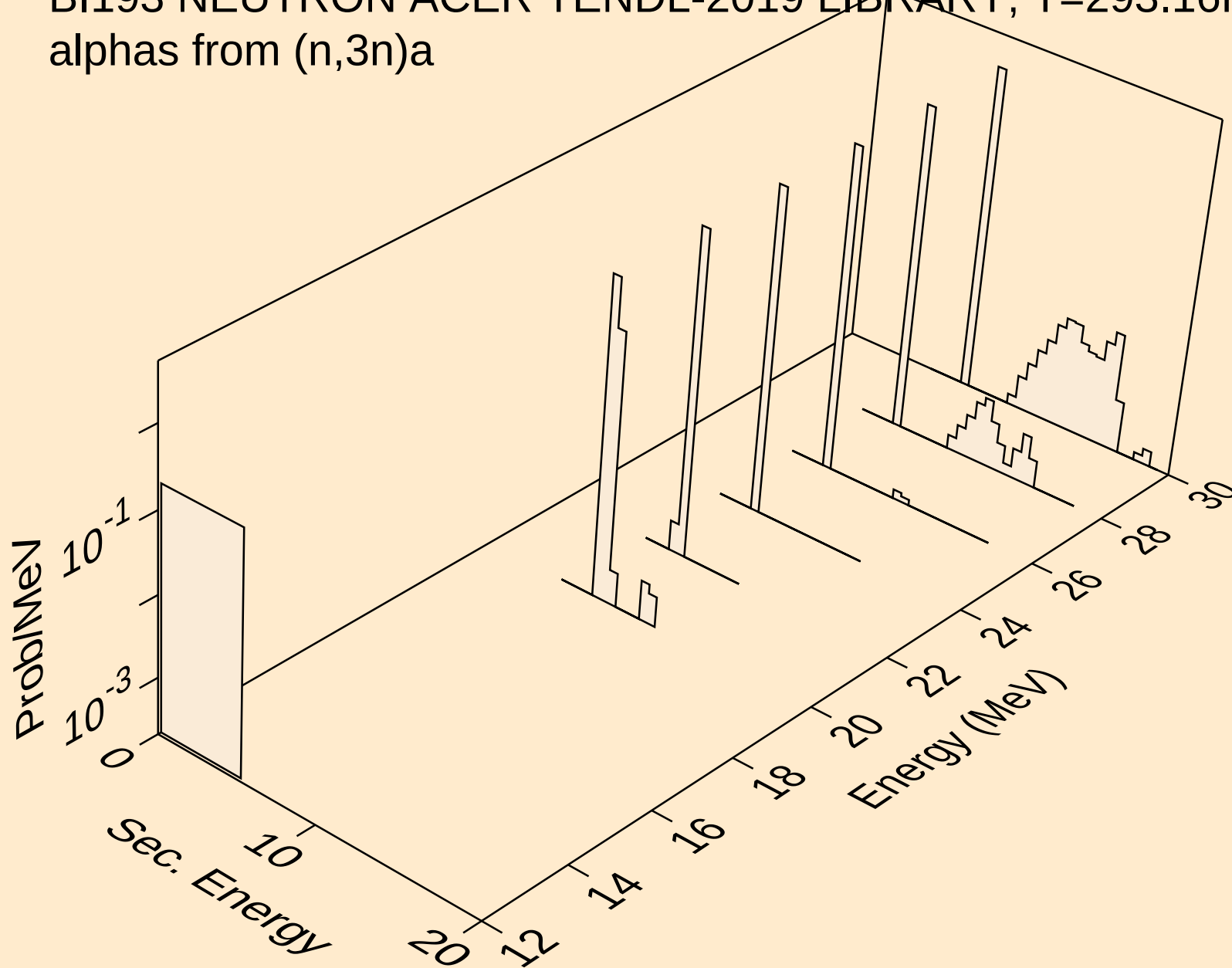
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



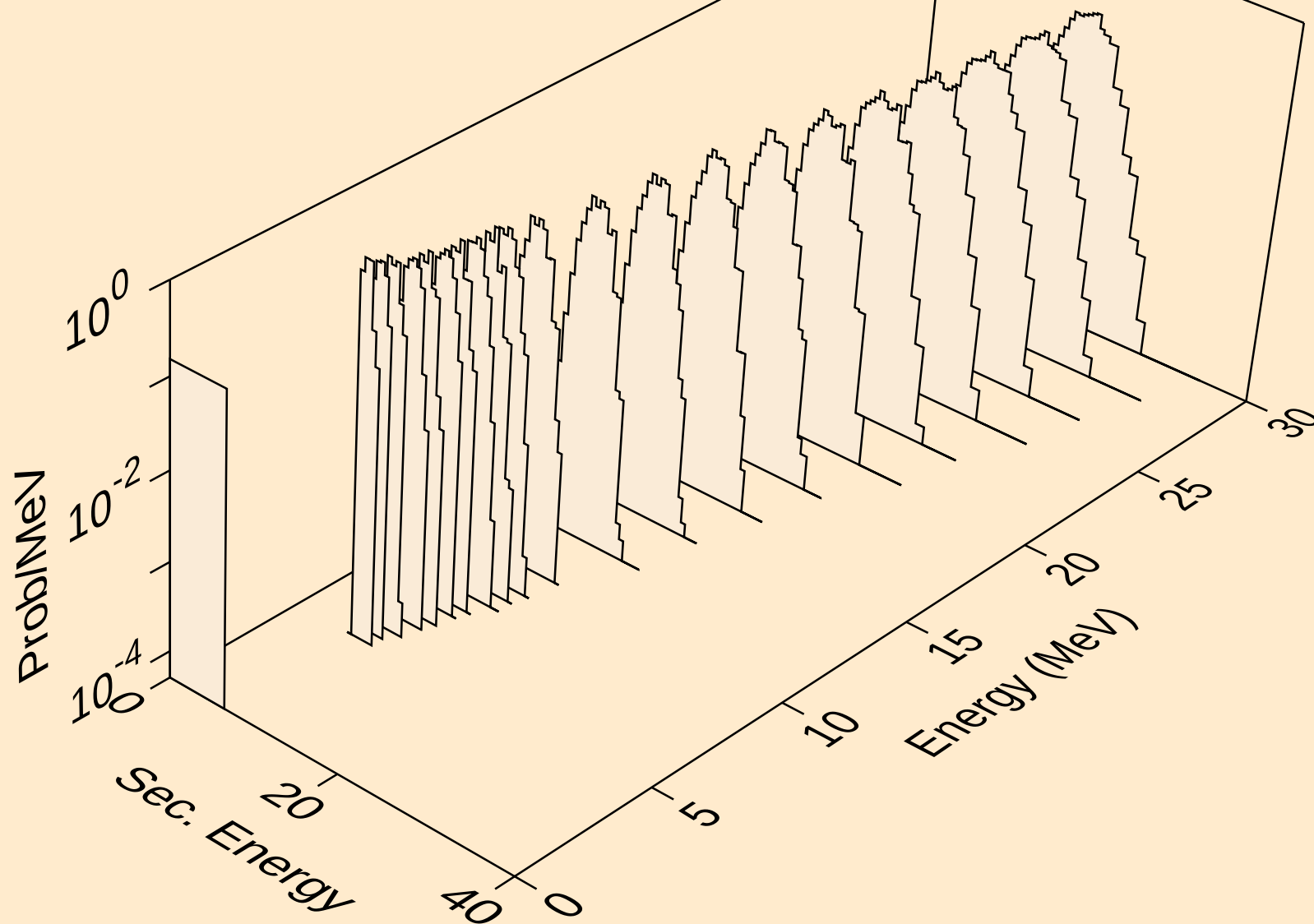
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



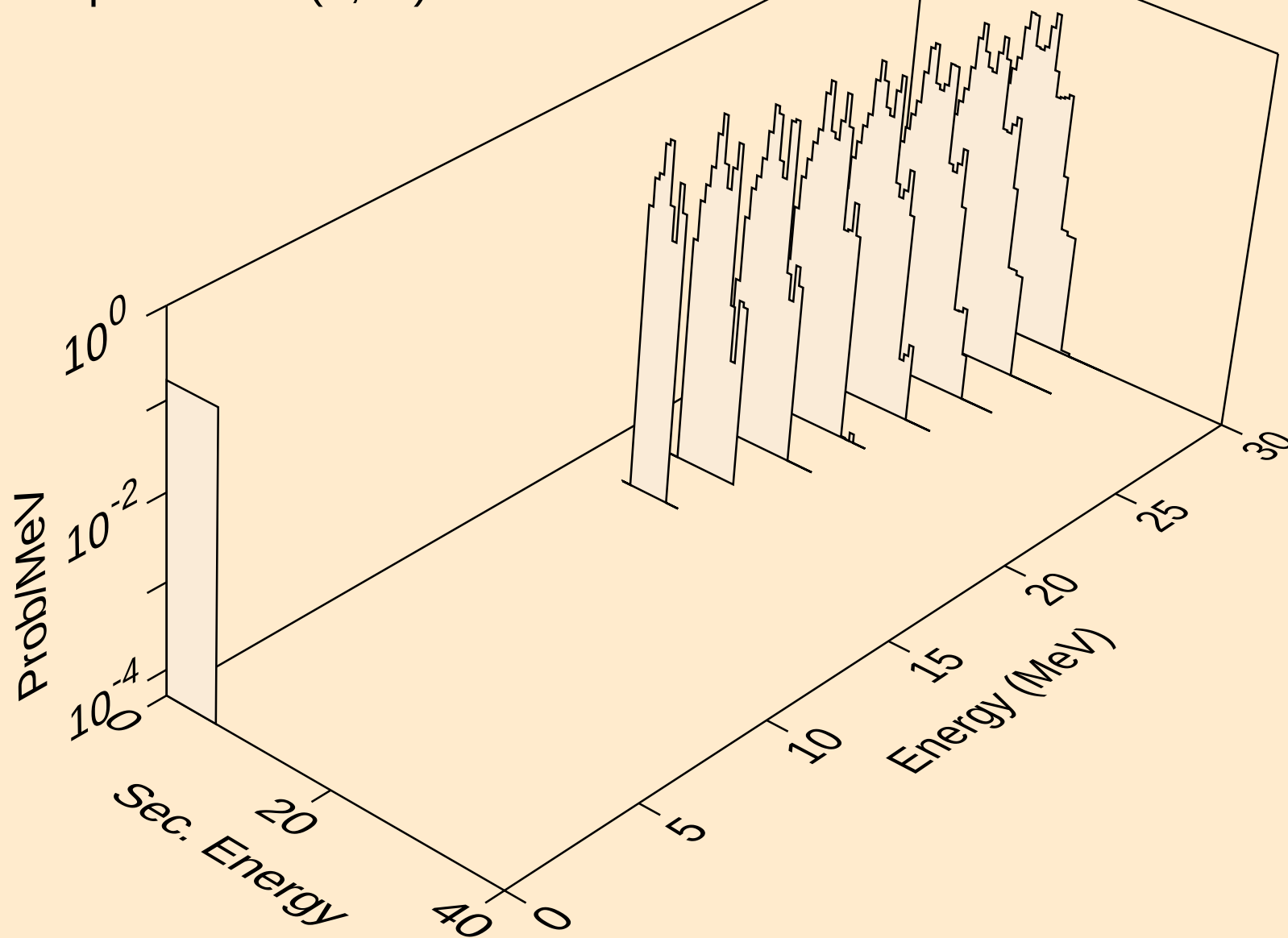
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



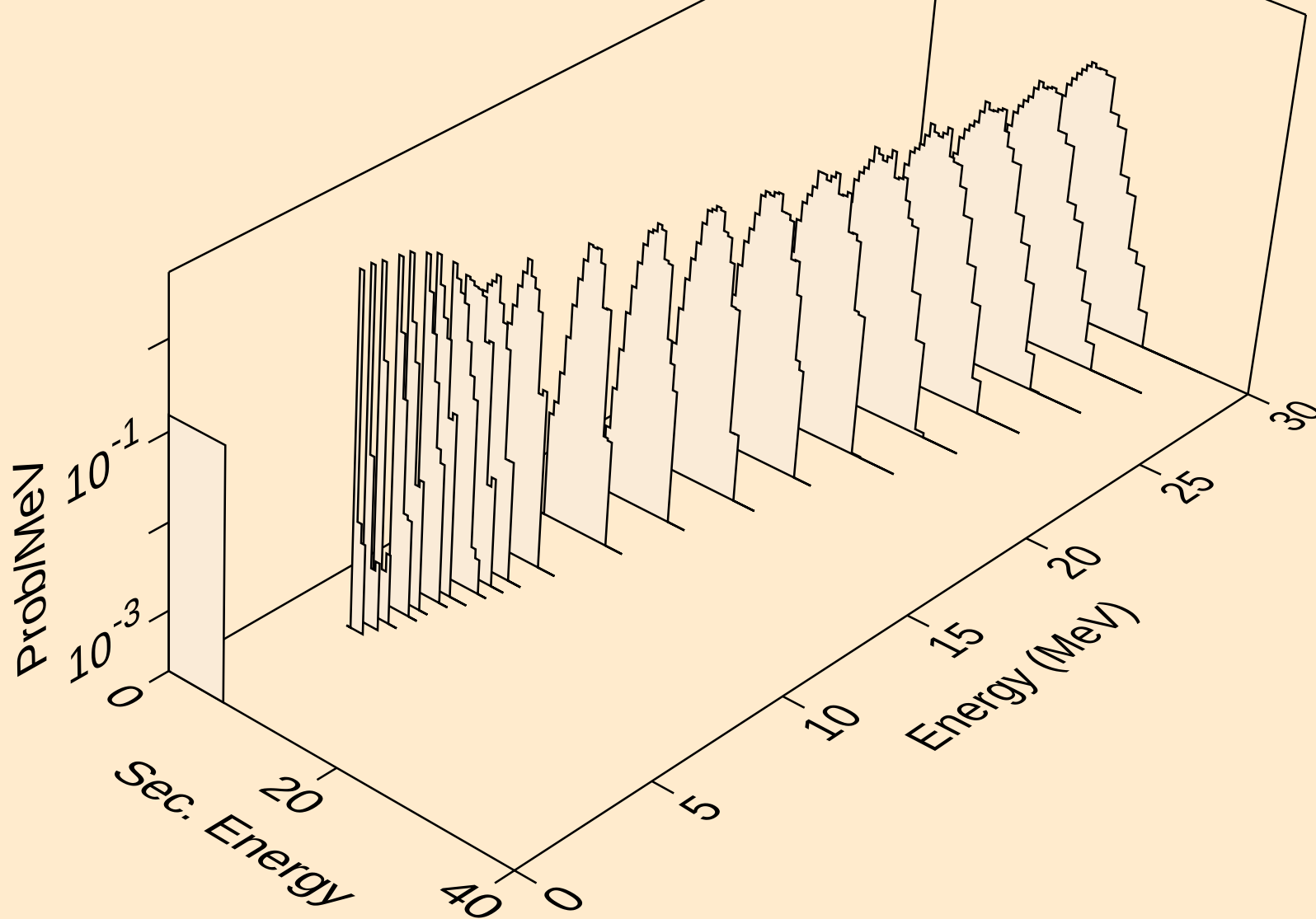
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



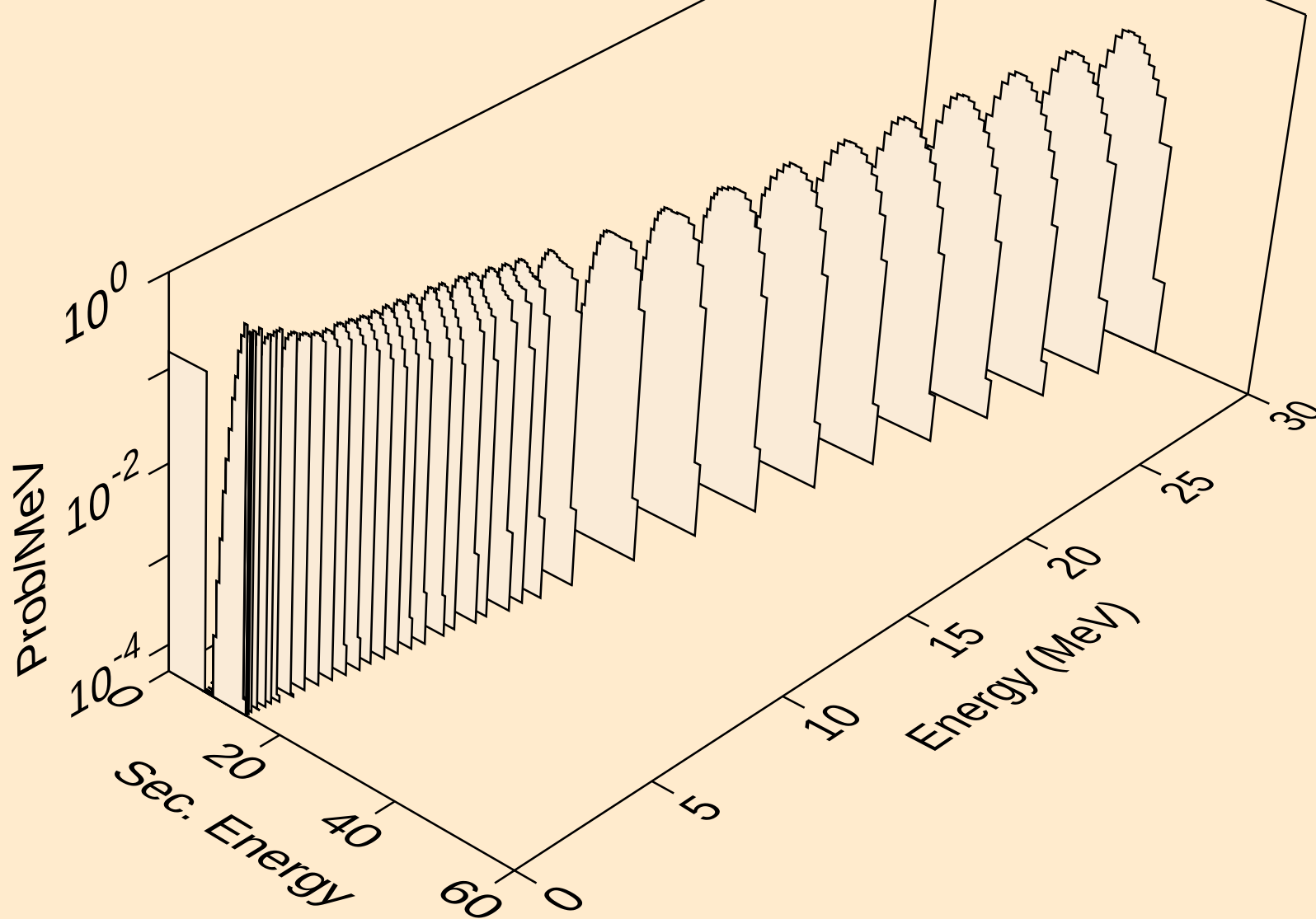
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



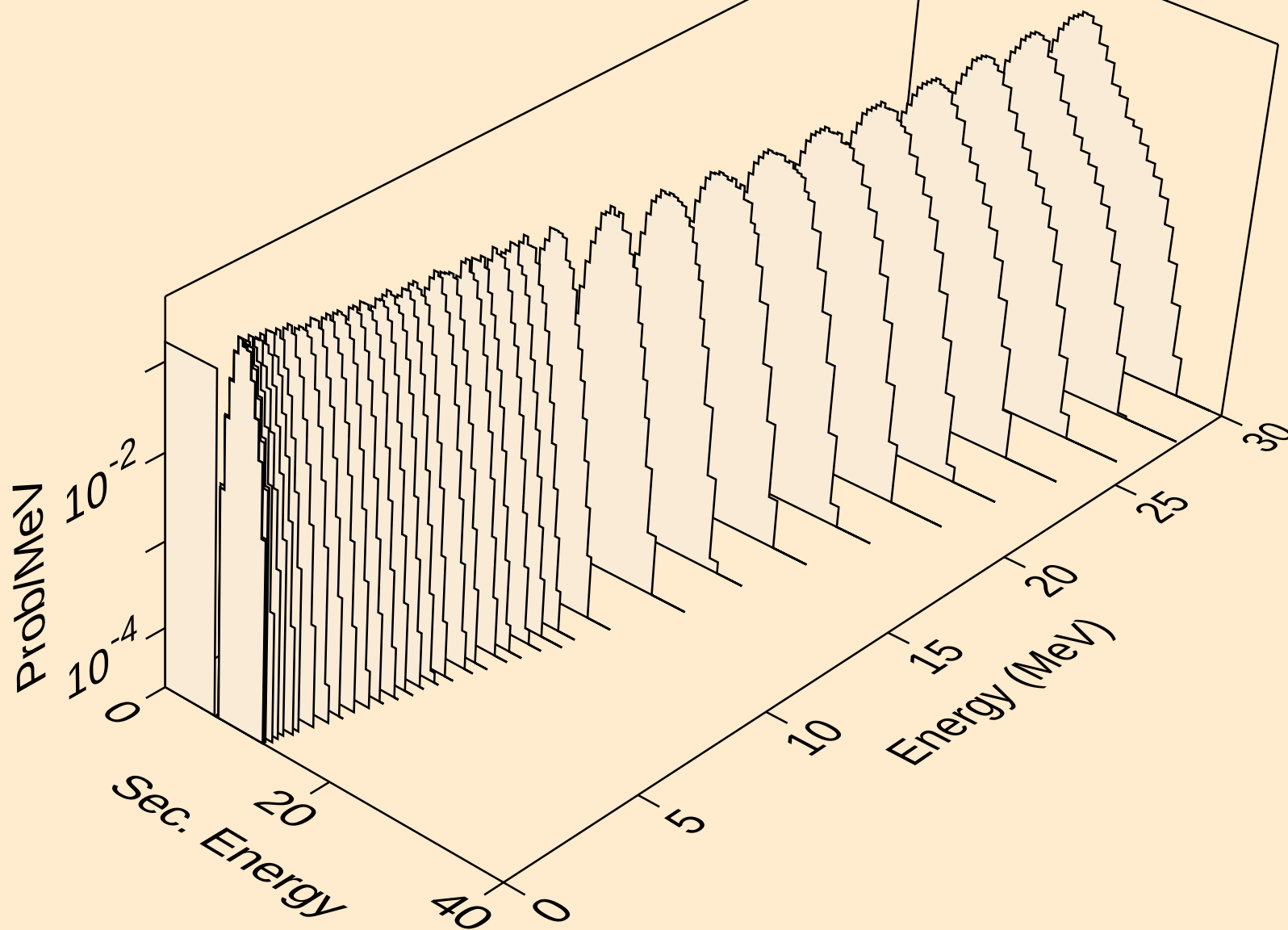
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



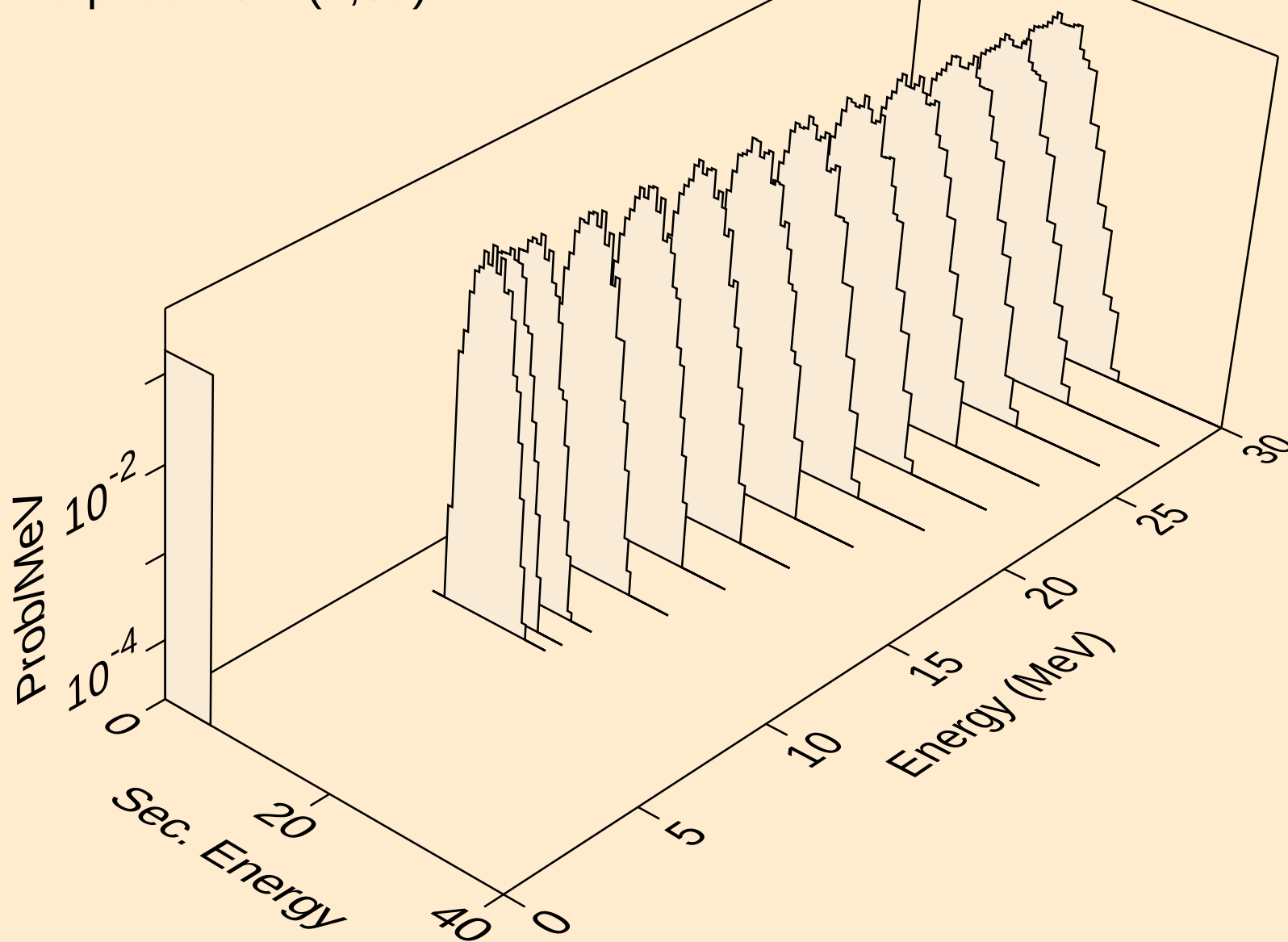
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



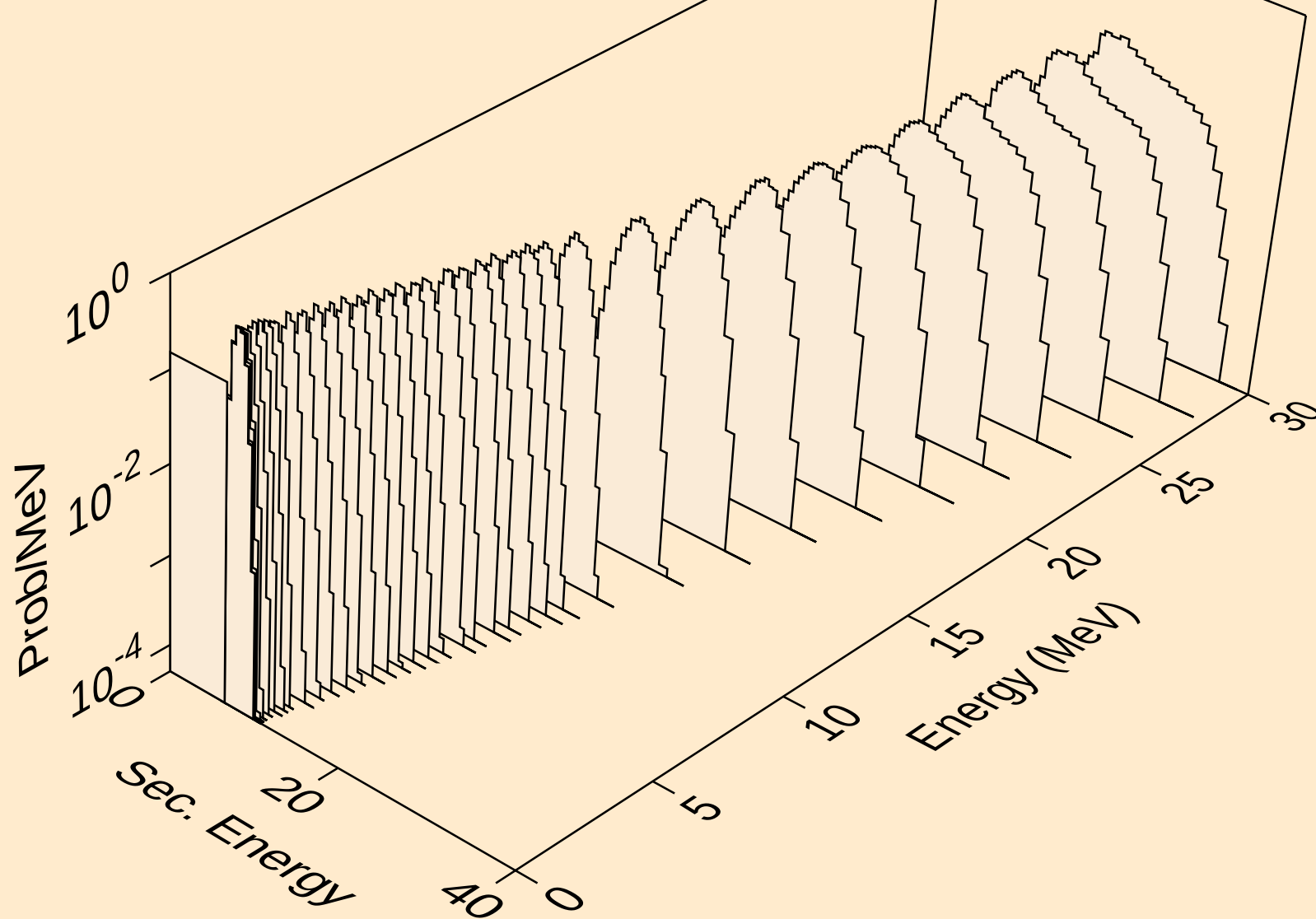
BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



BI193 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

