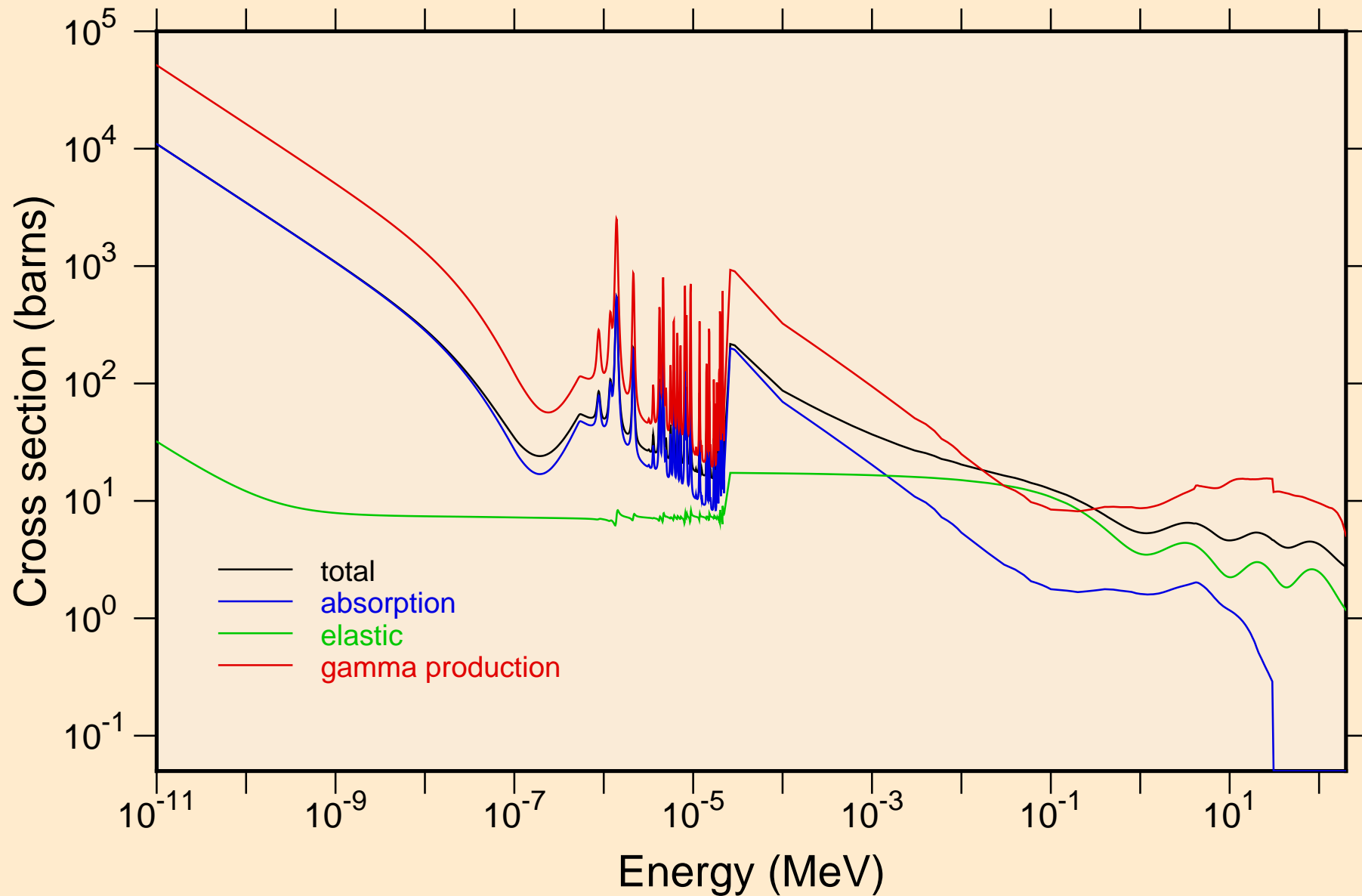
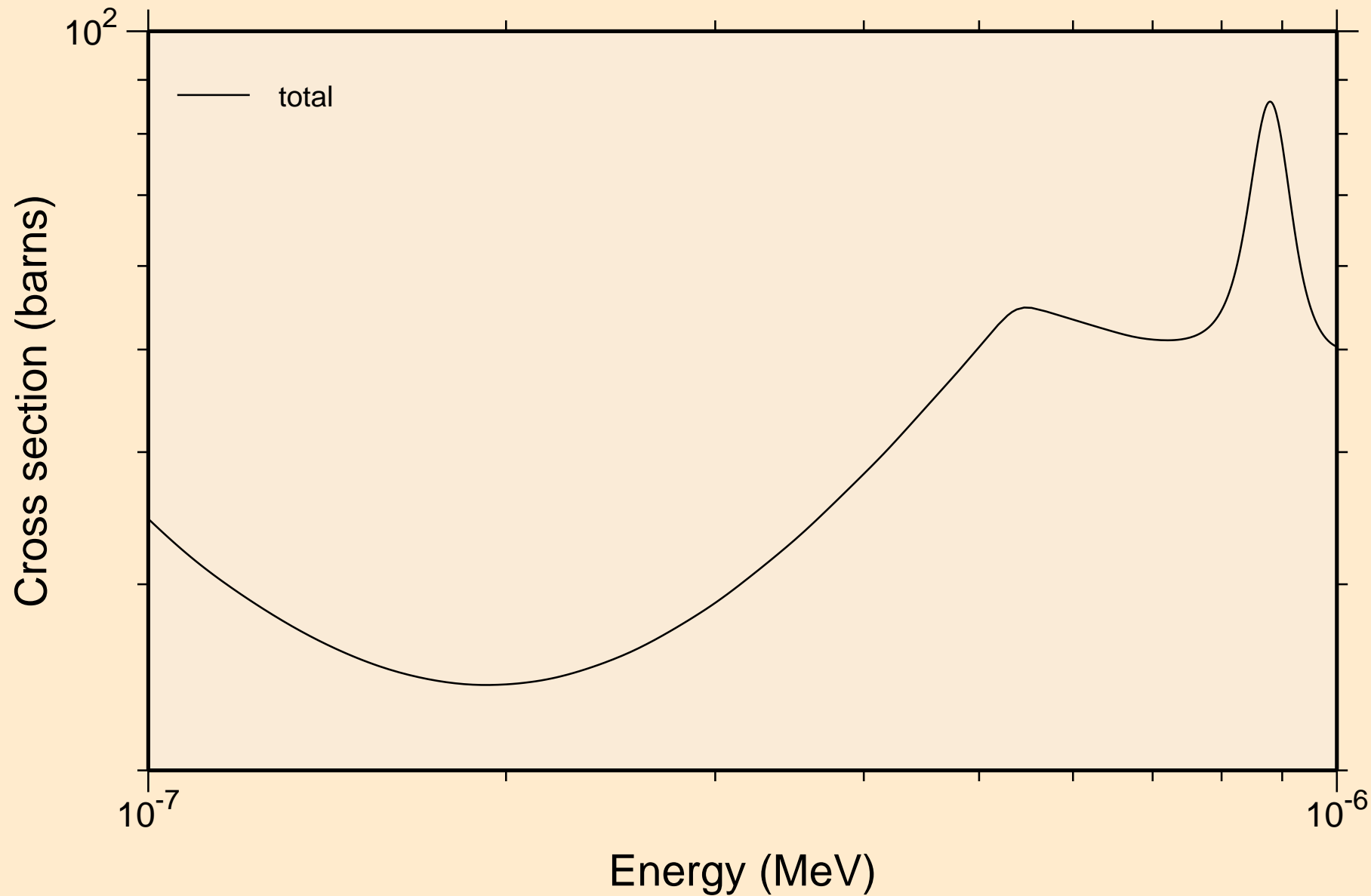


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

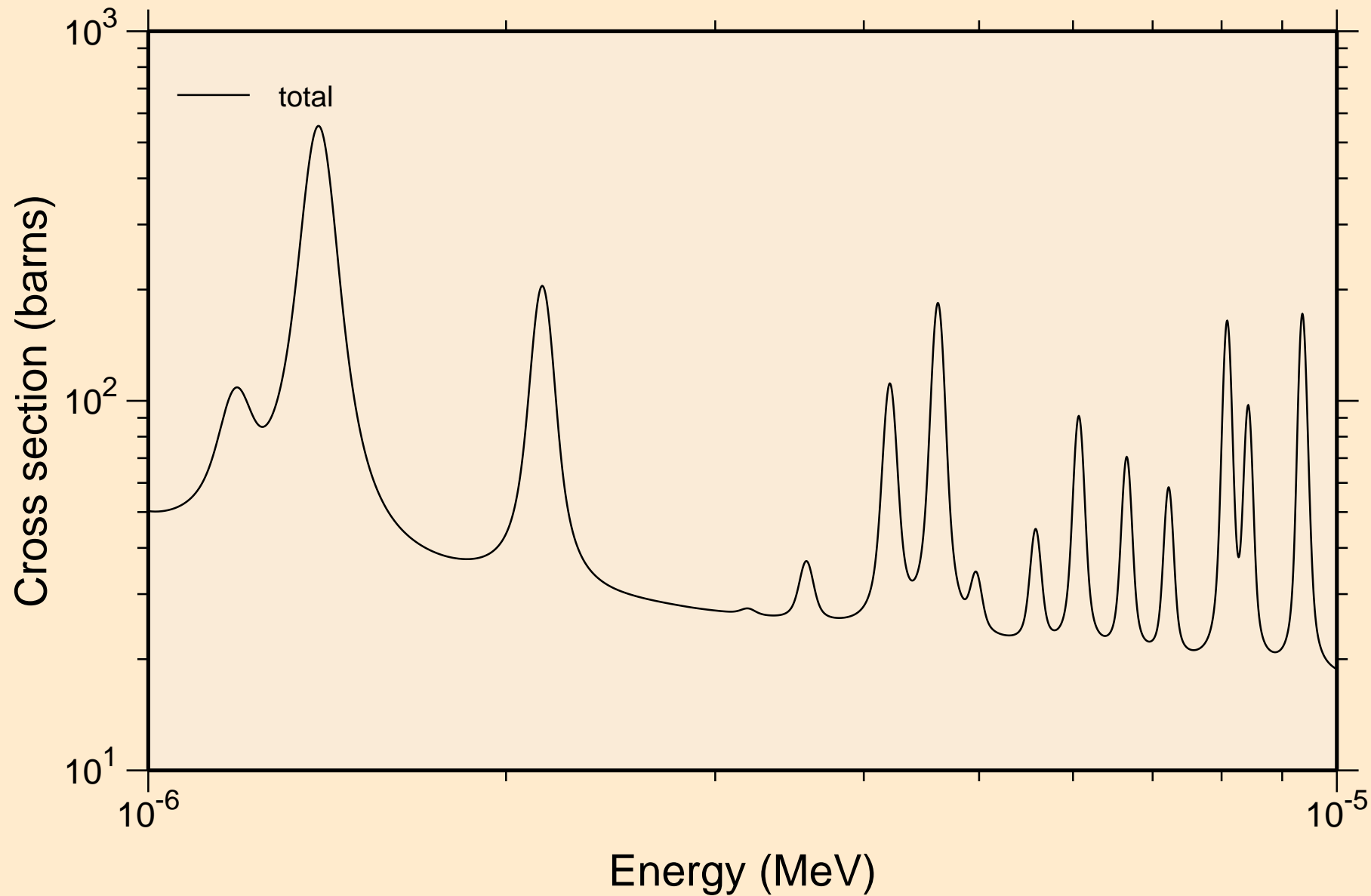
Principal cross sections



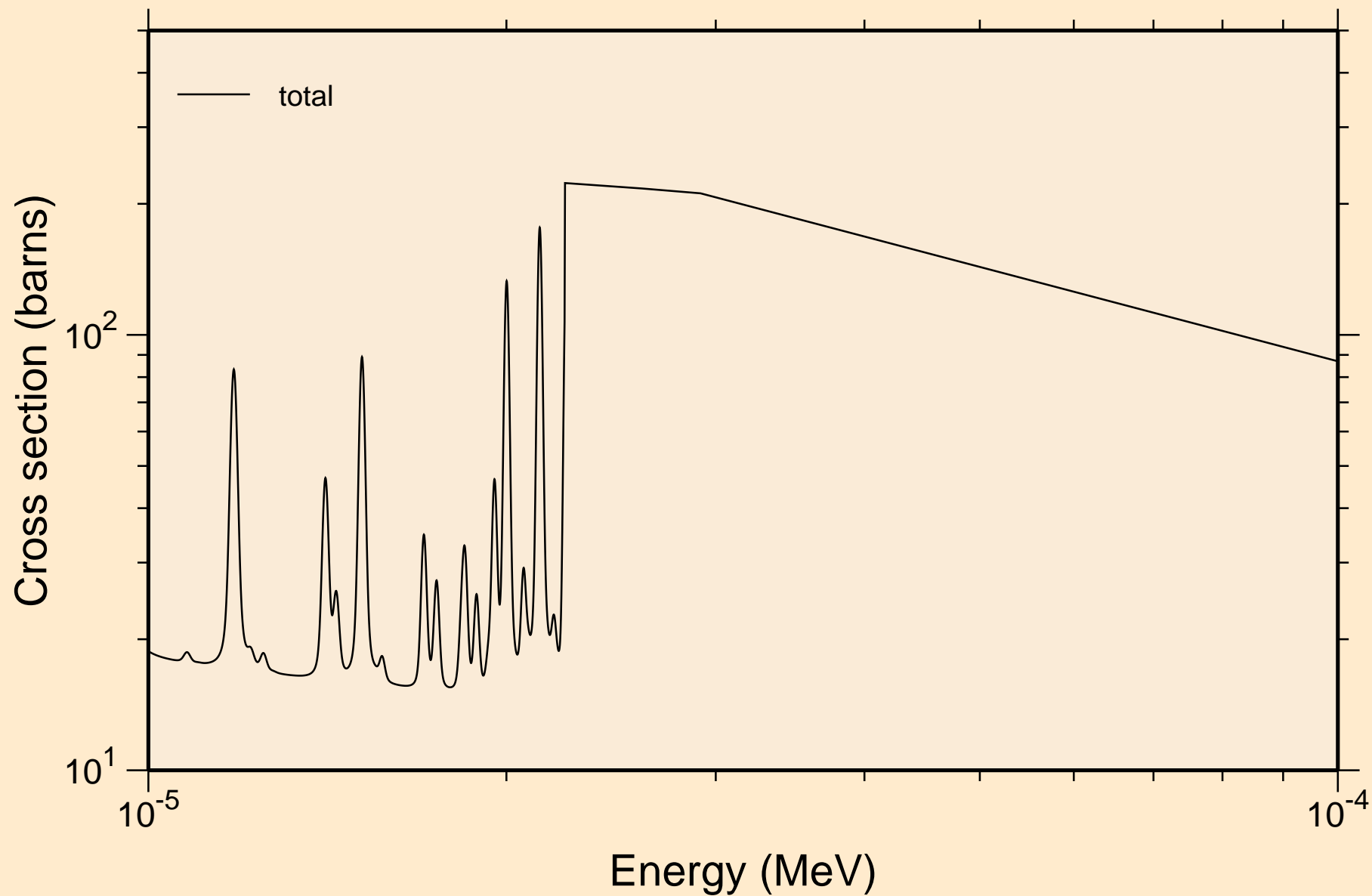
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



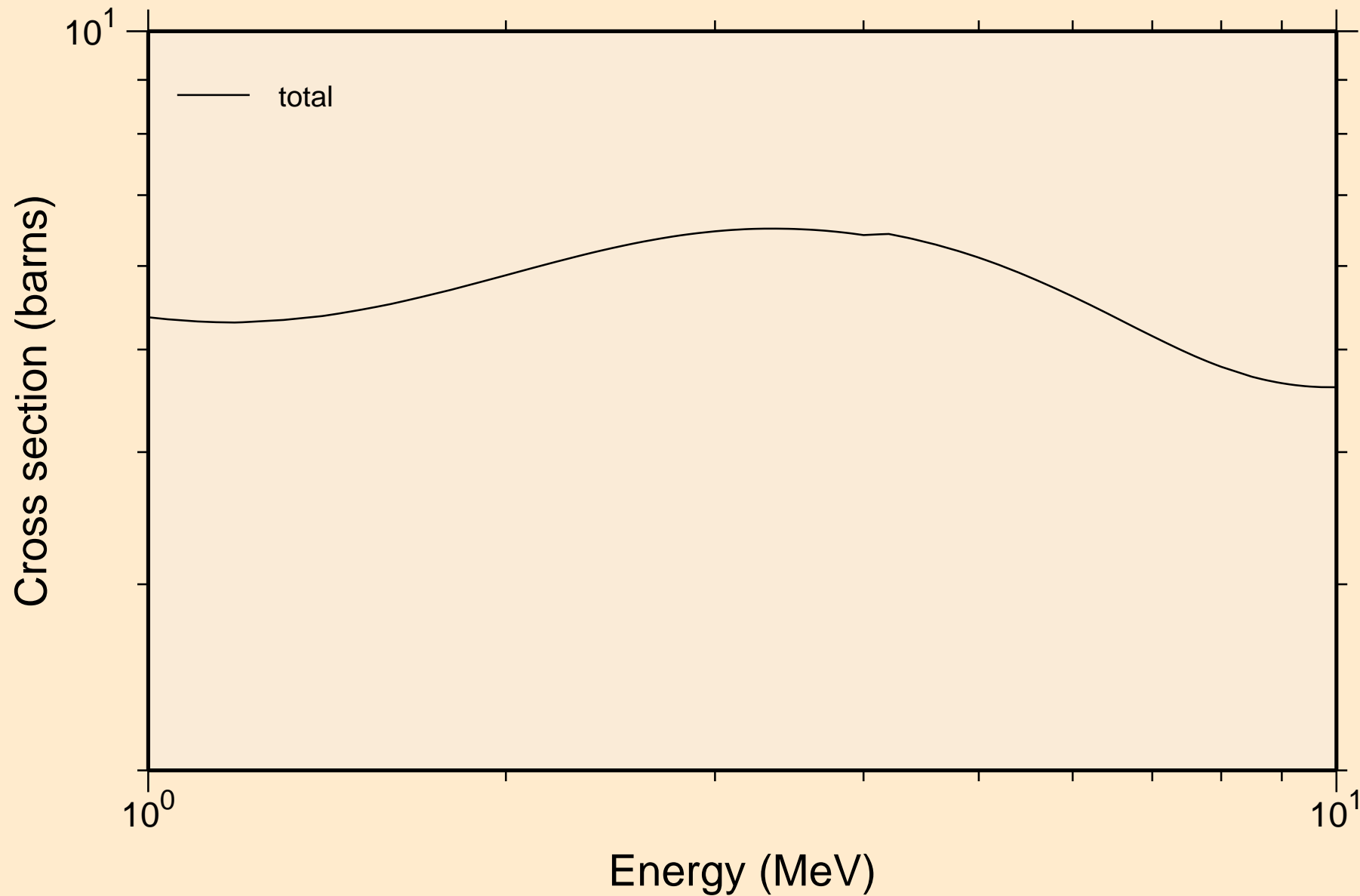
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



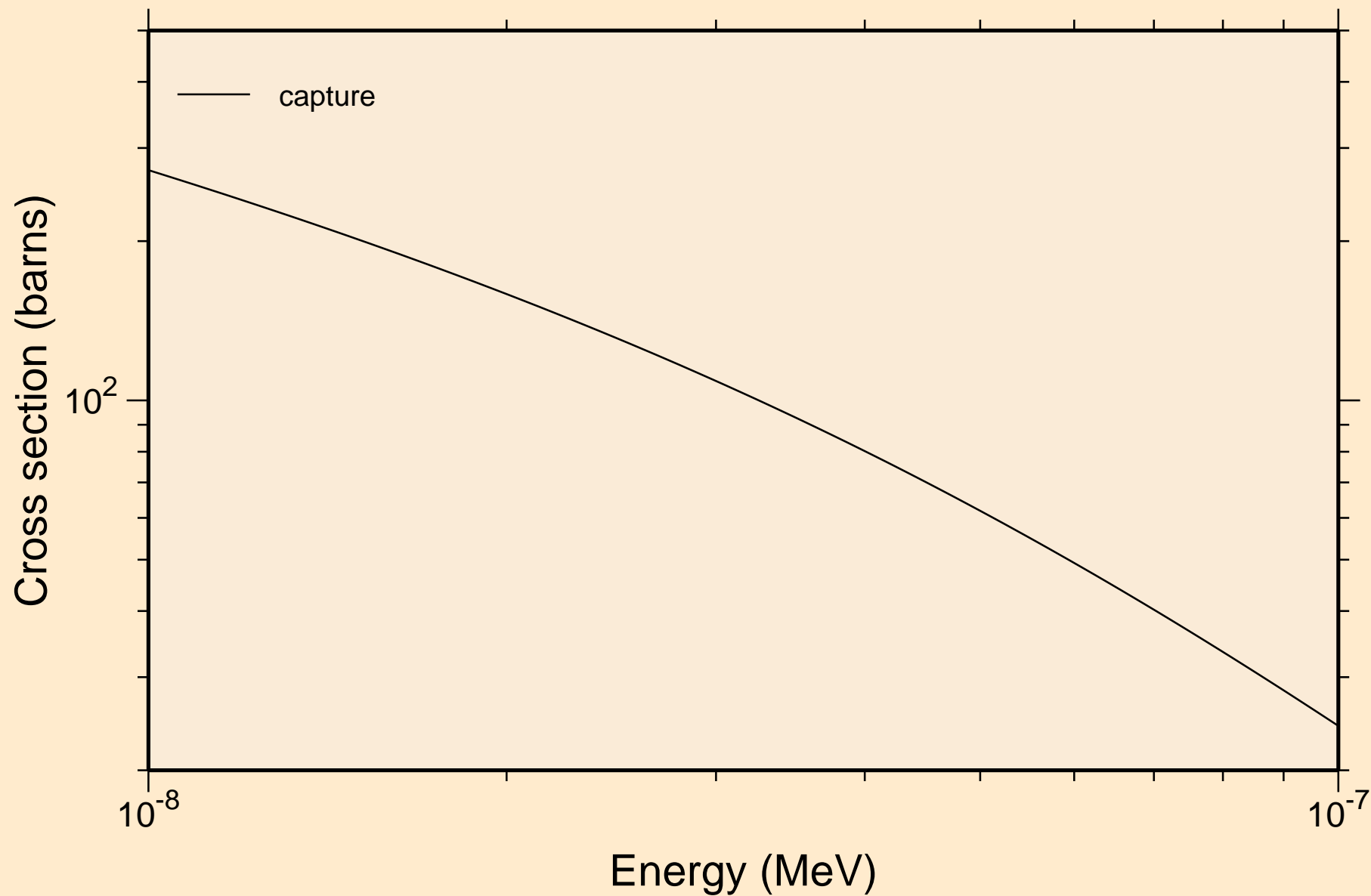
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



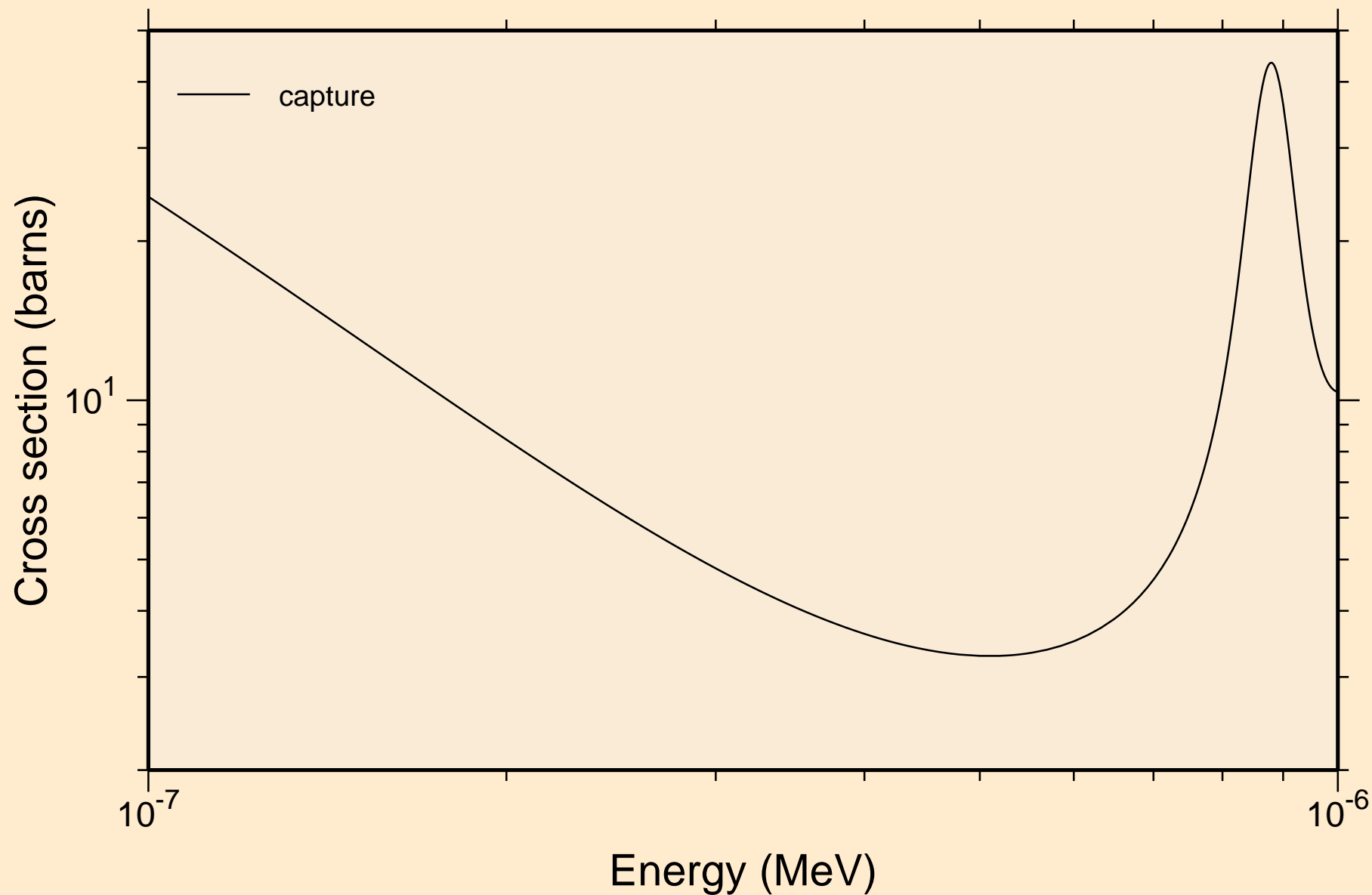
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



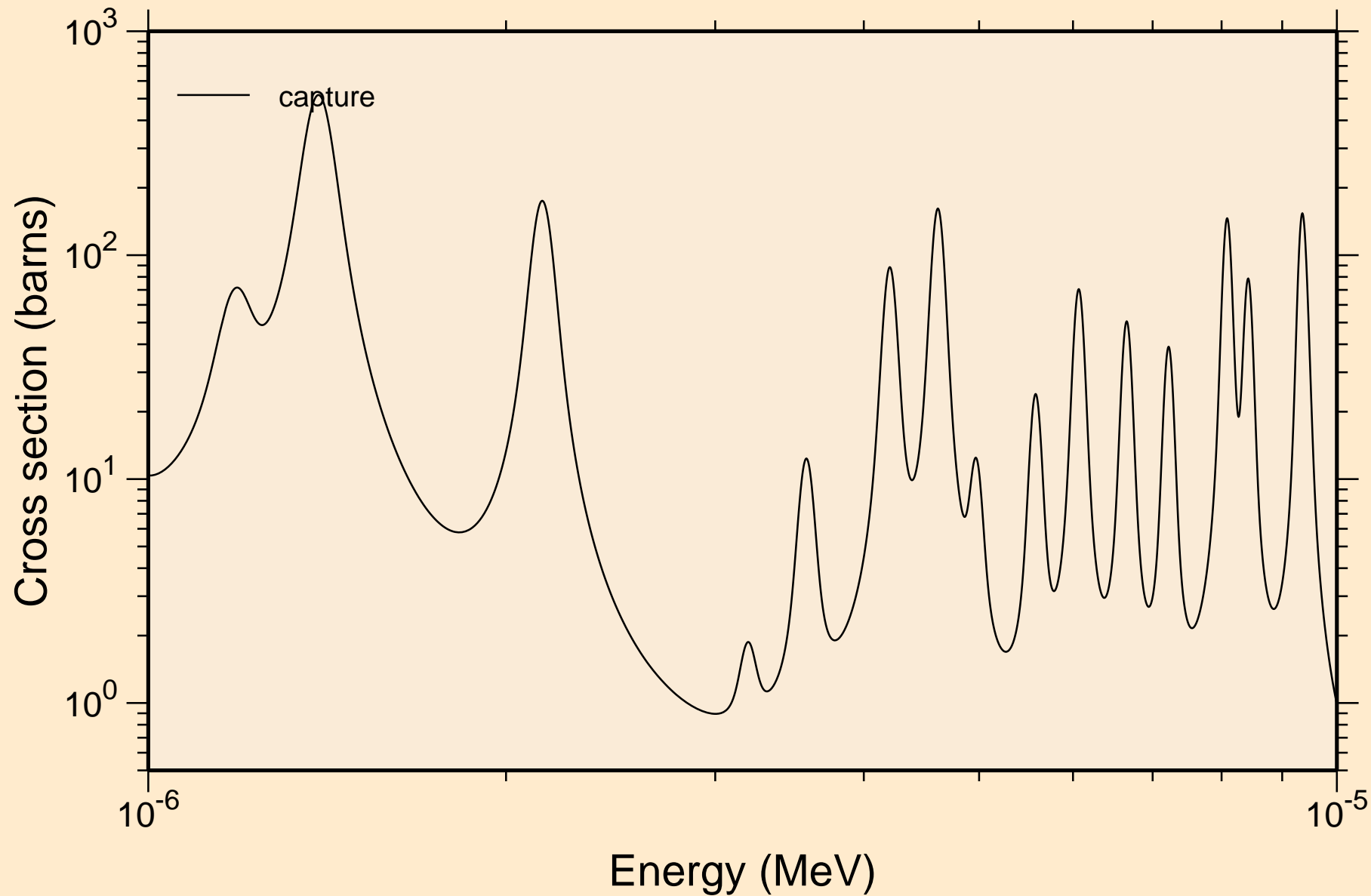
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



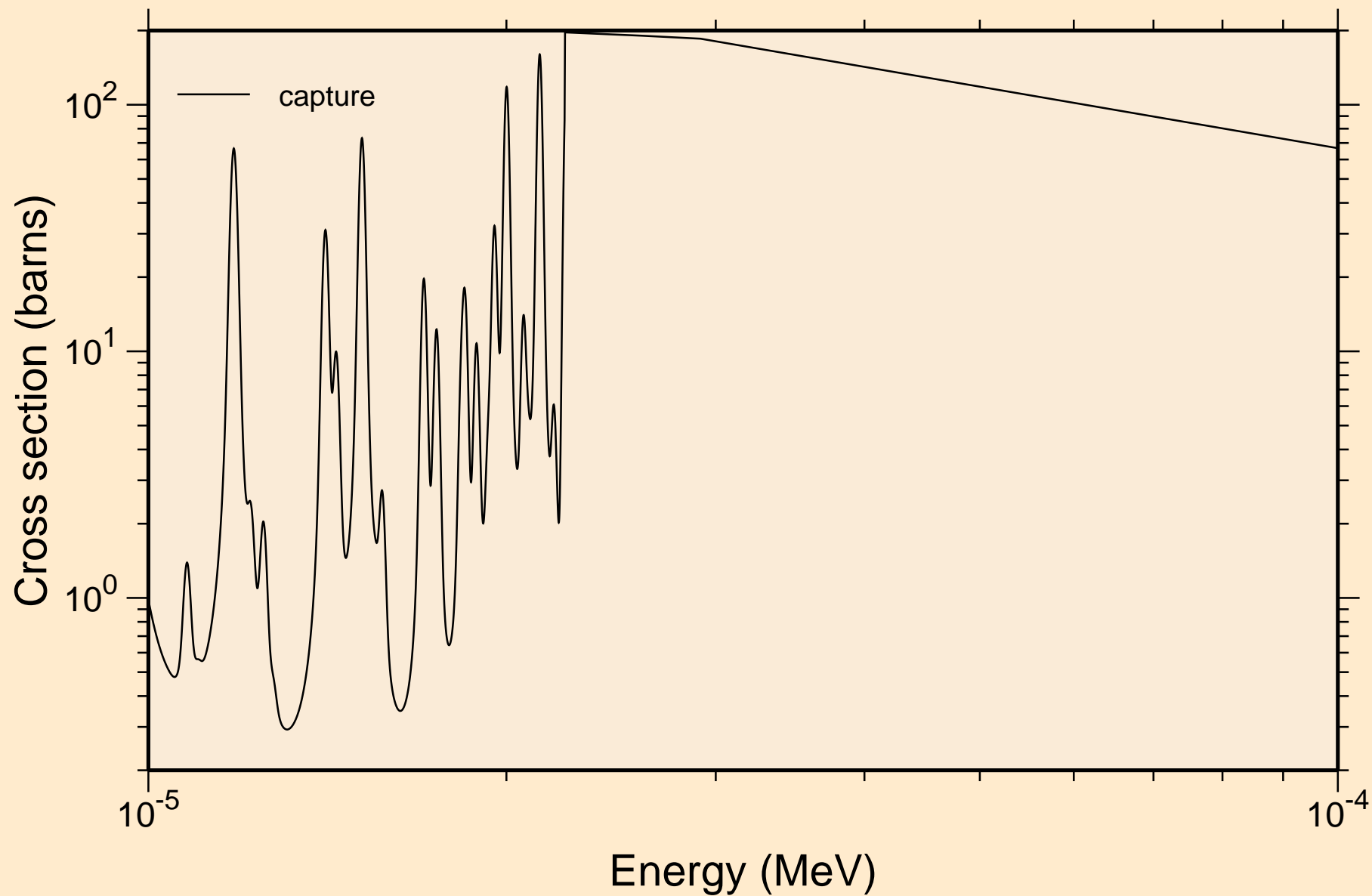
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



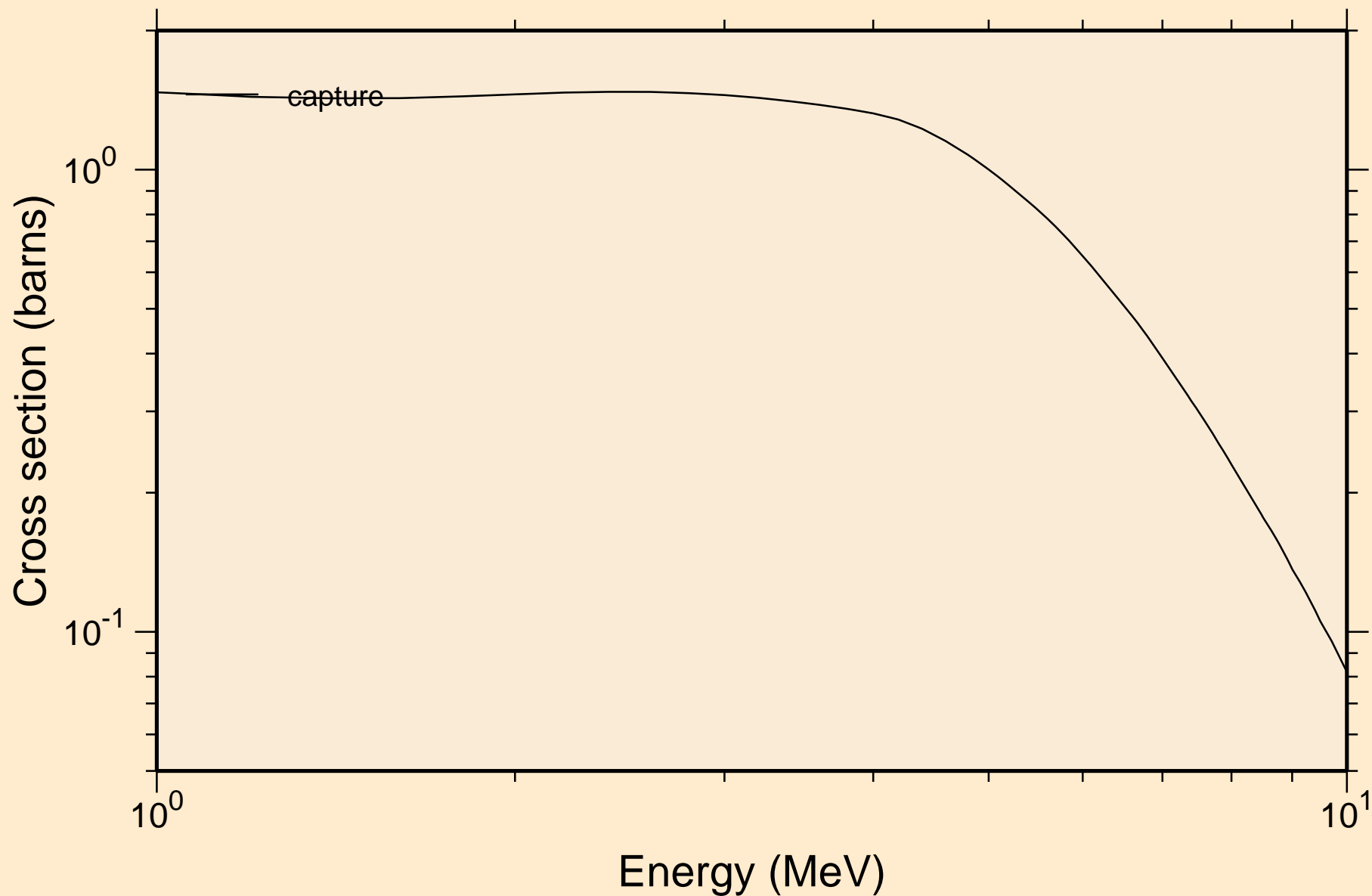
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



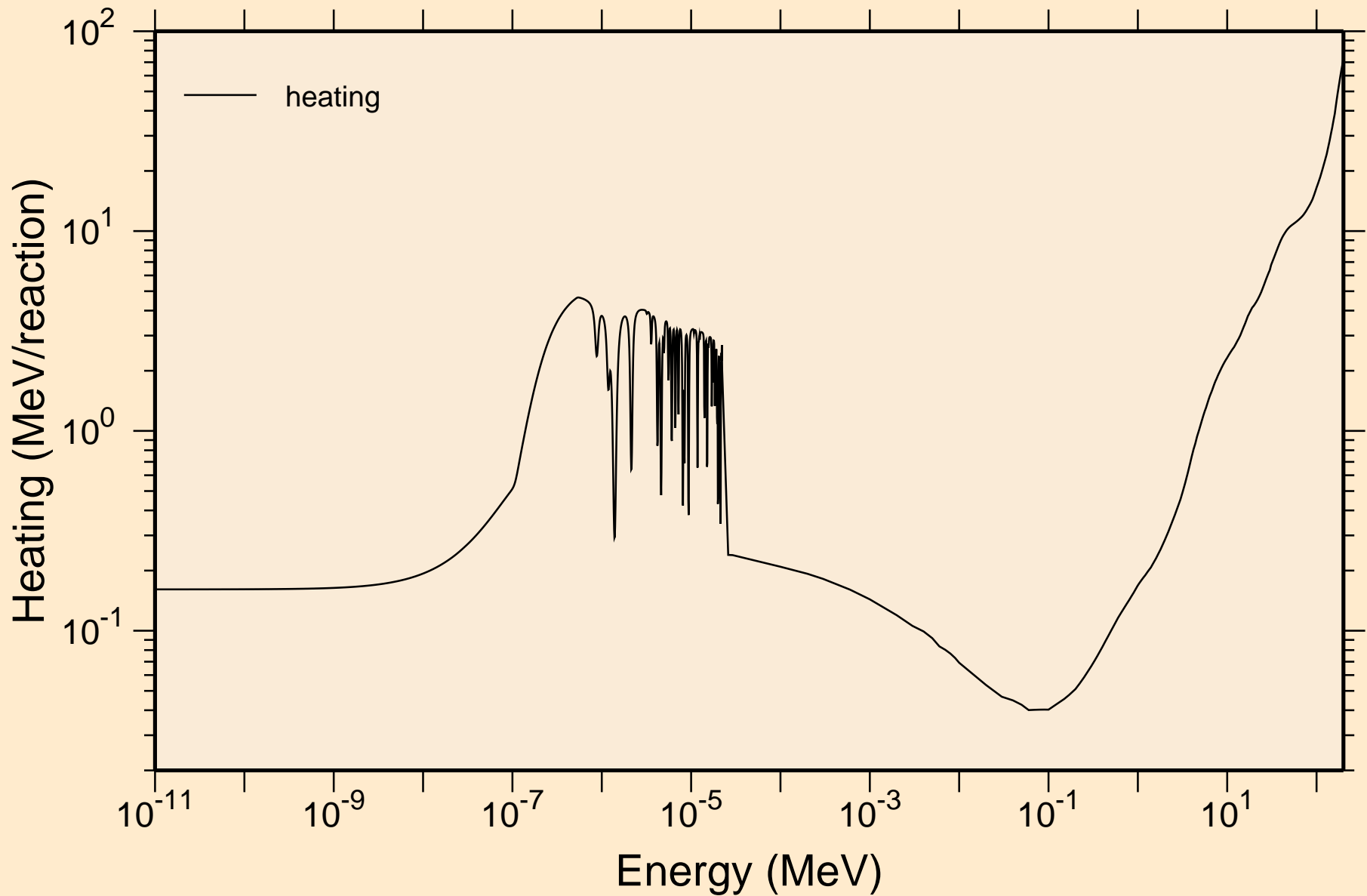
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



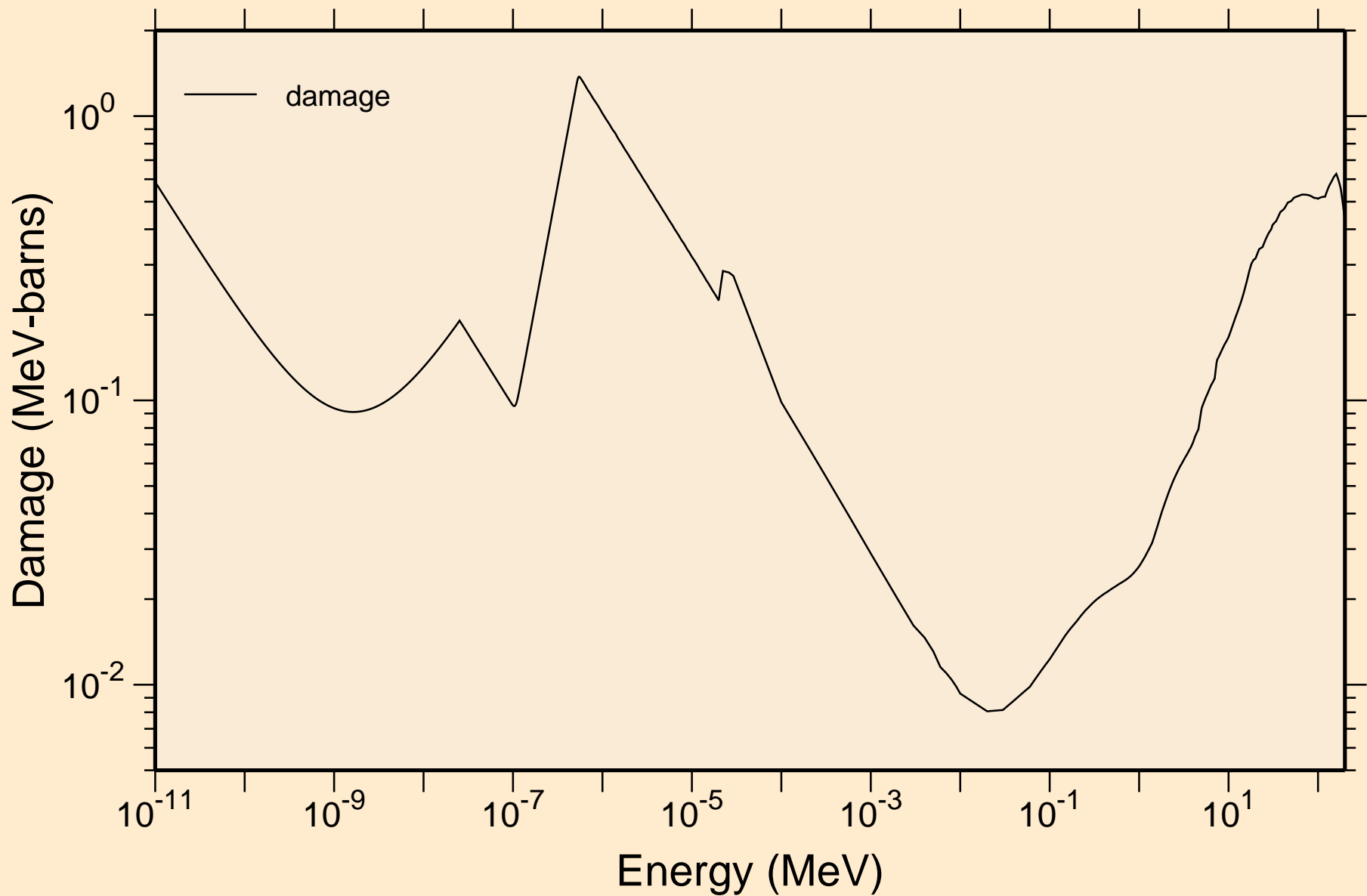
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



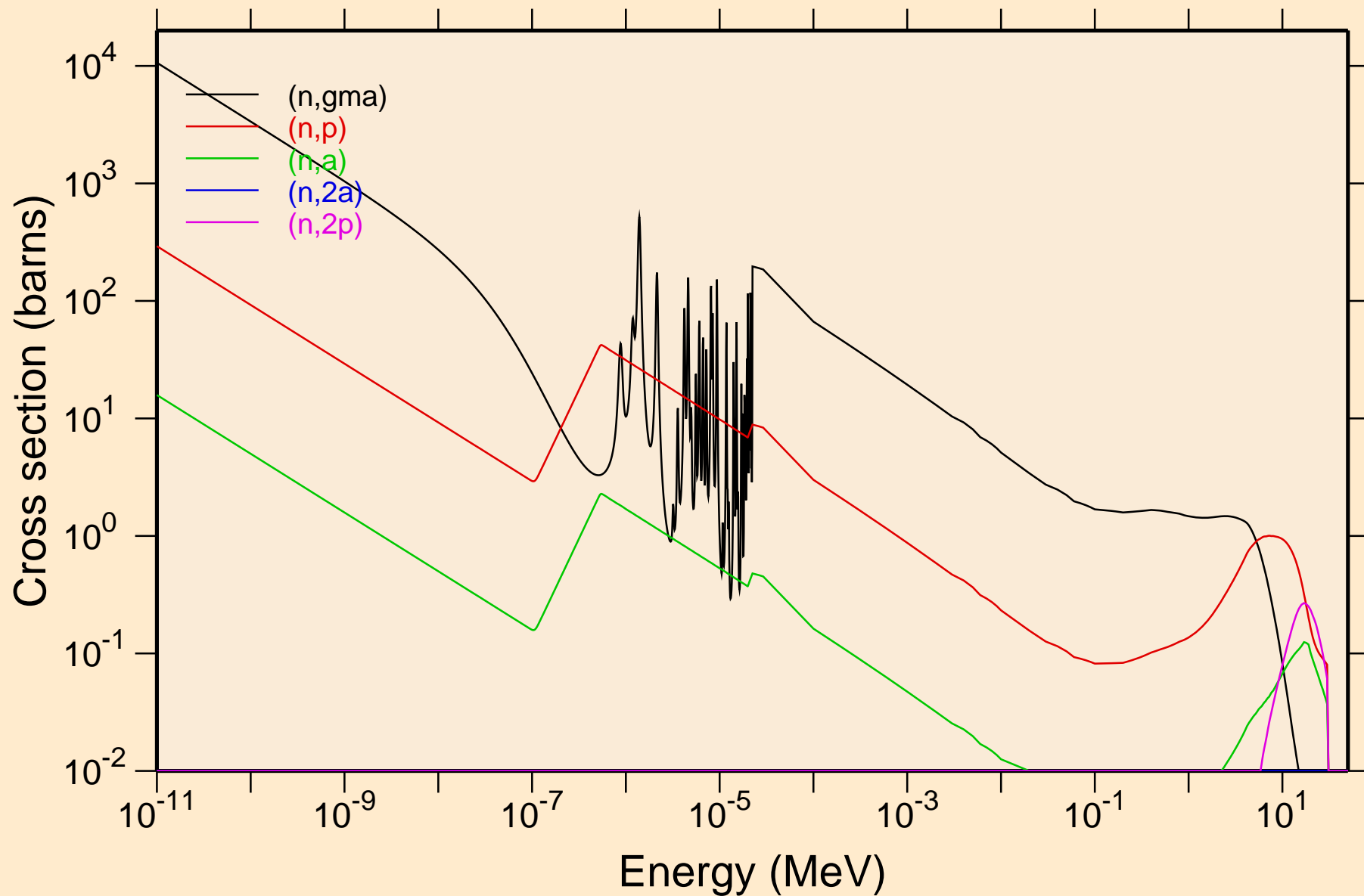
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



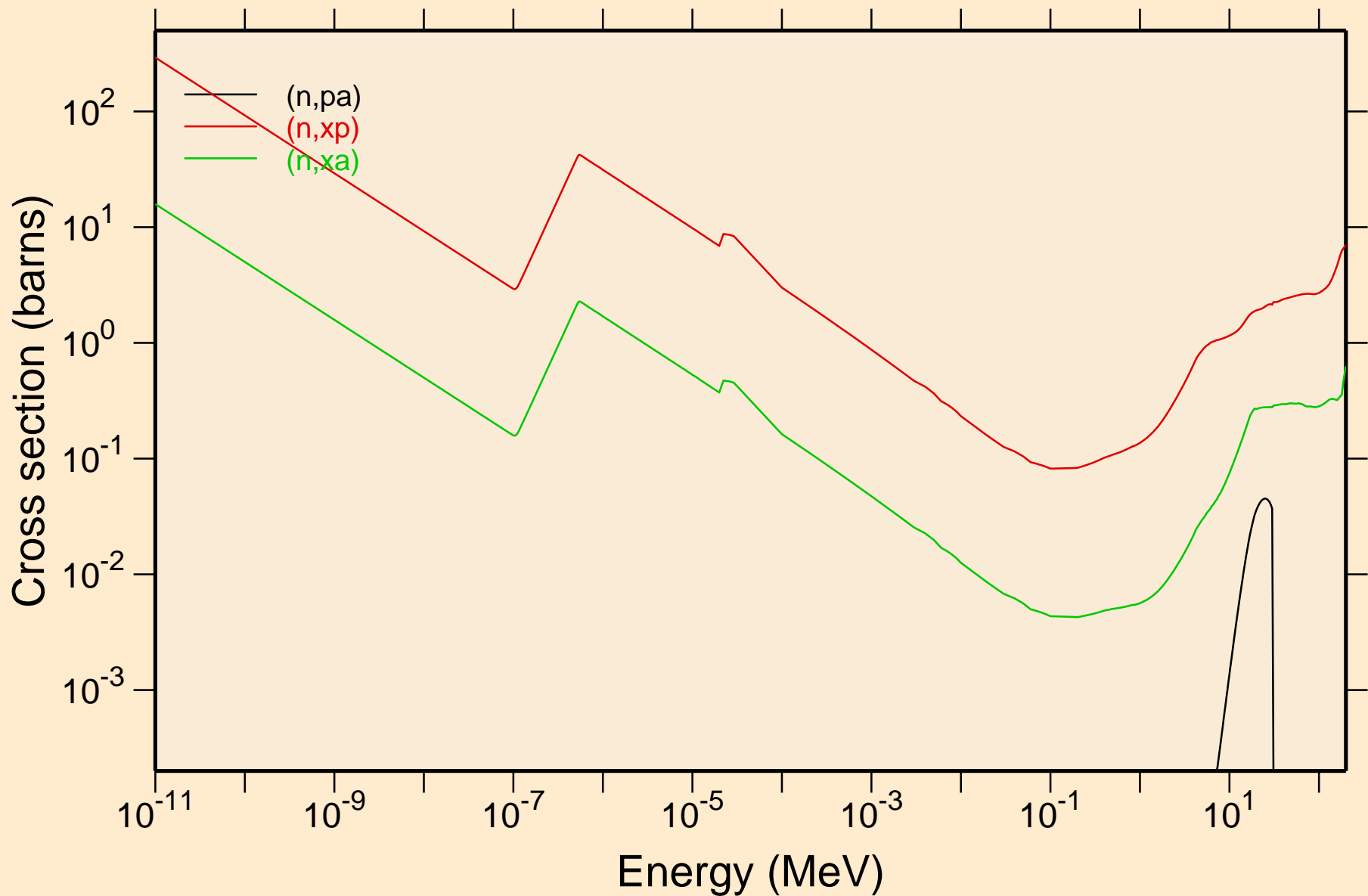
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

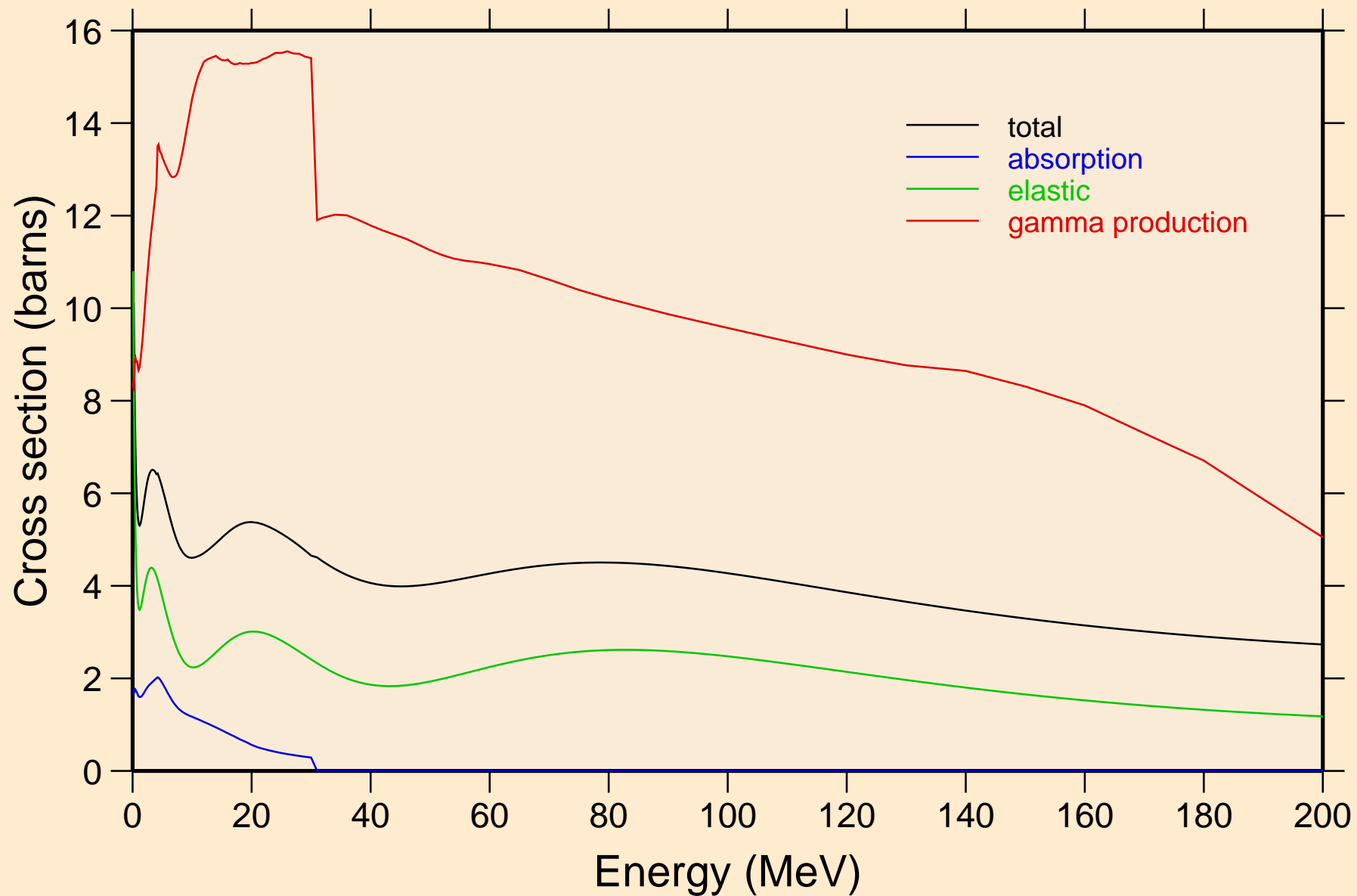


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

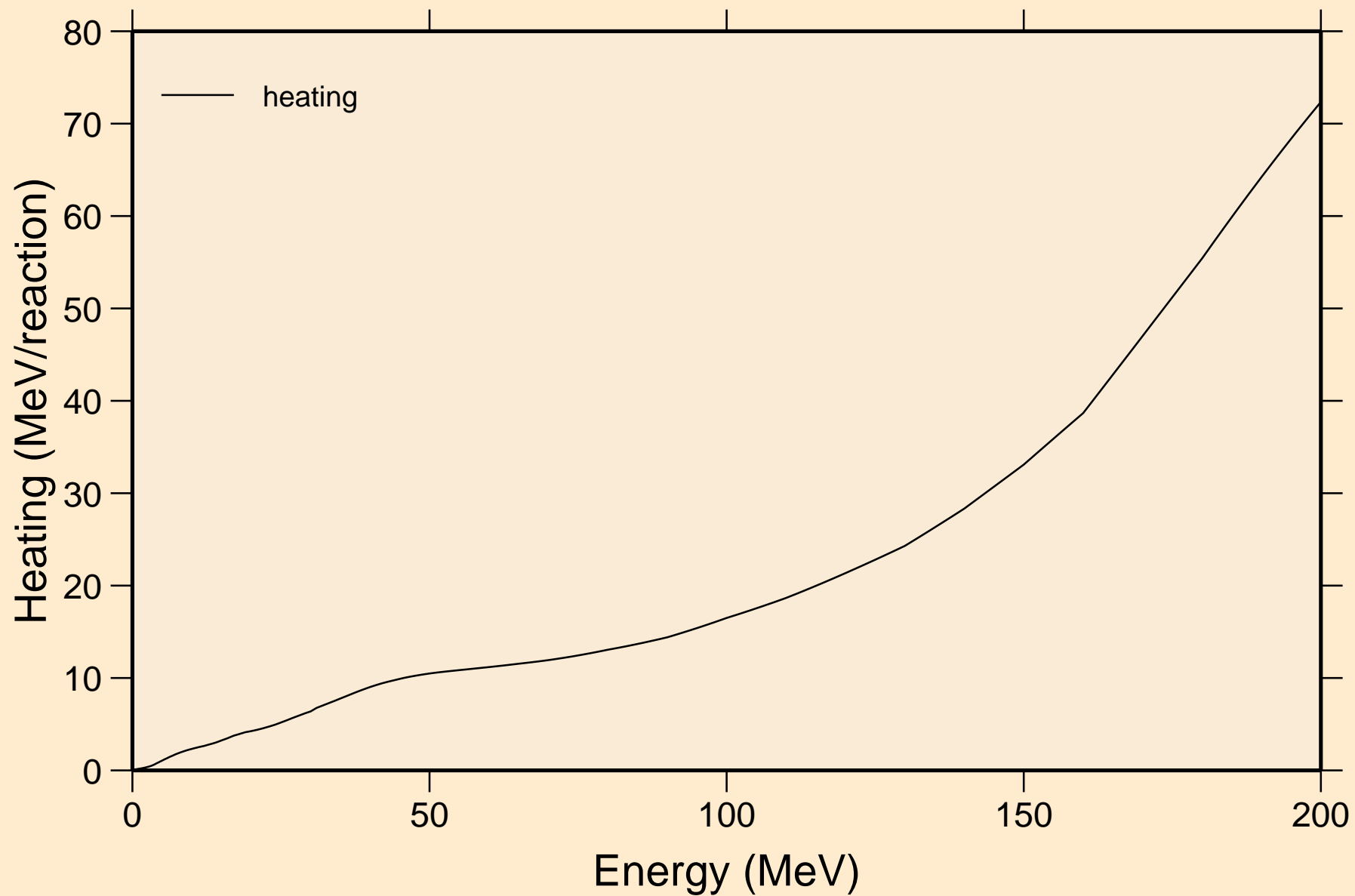


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

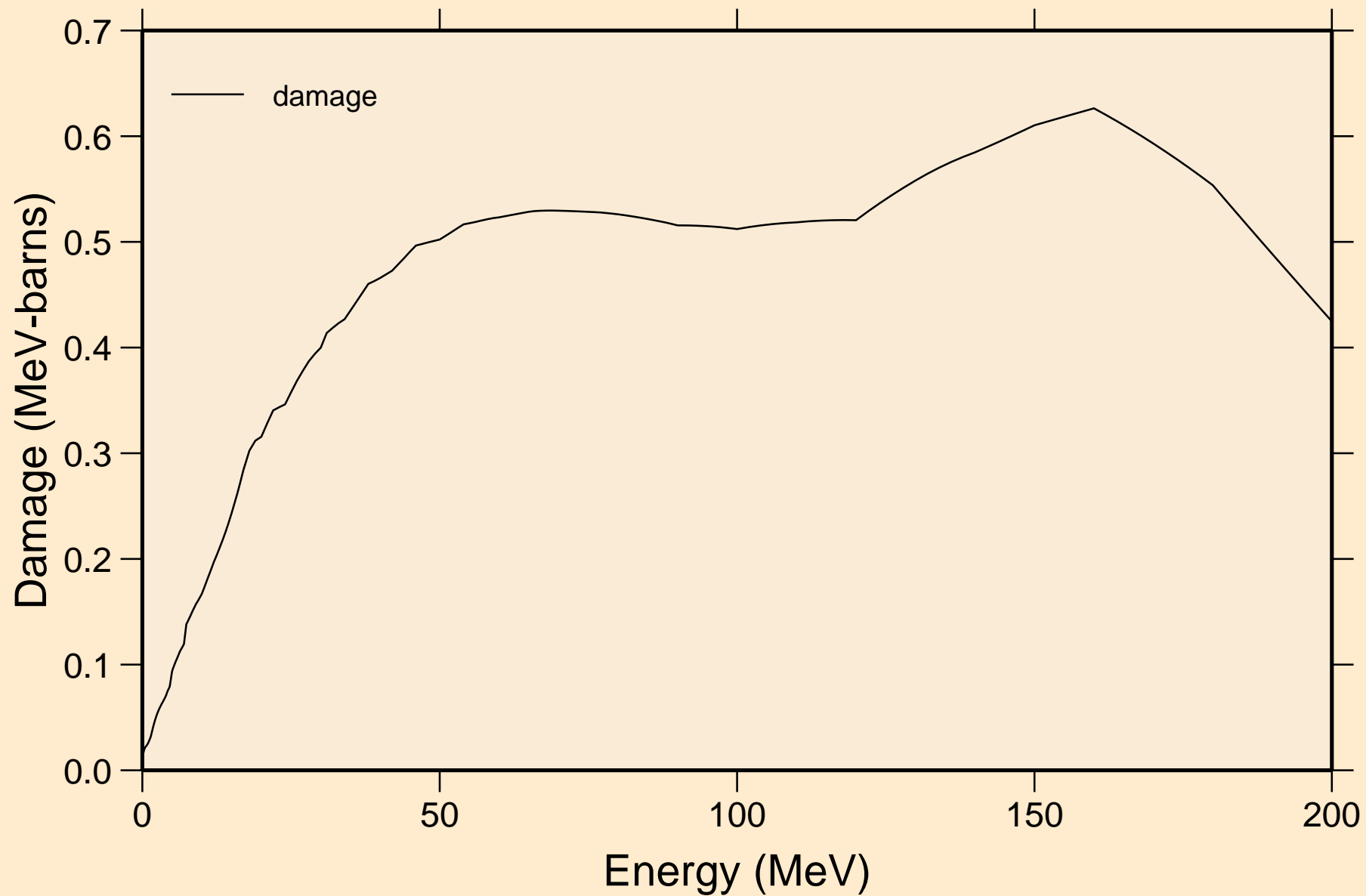
Principal cross sections



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Heating

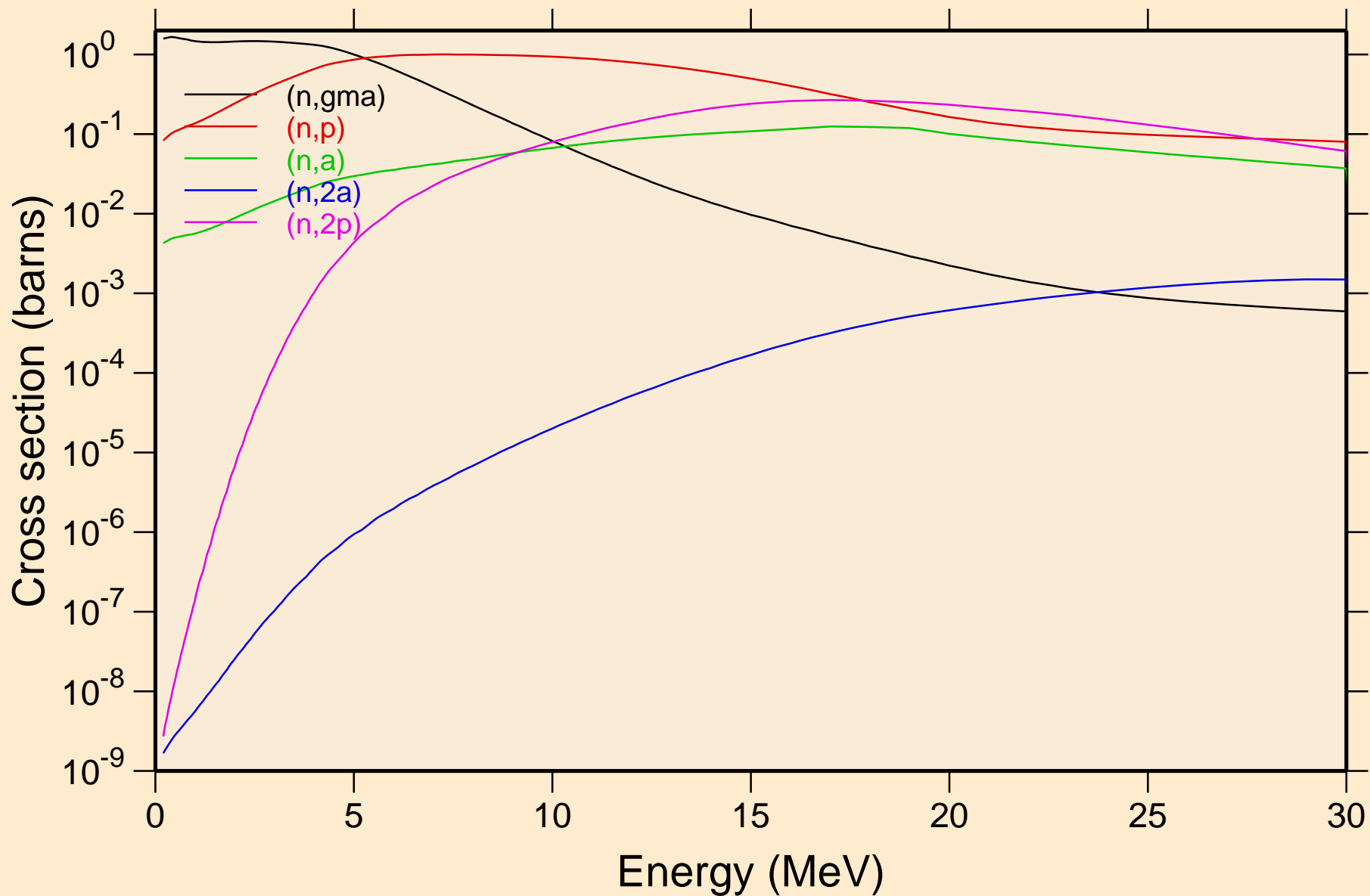


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

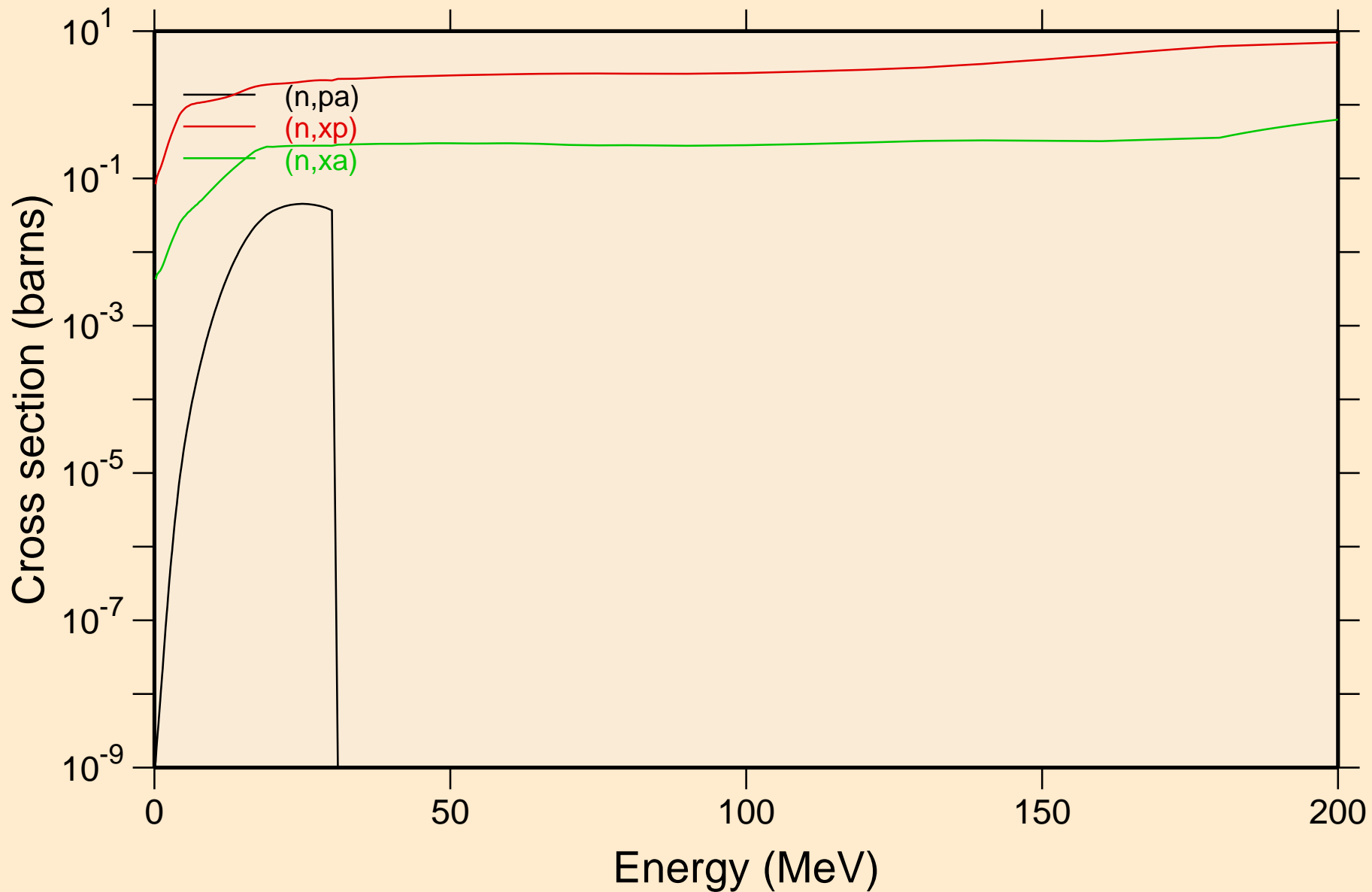


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Non-threshold reactions

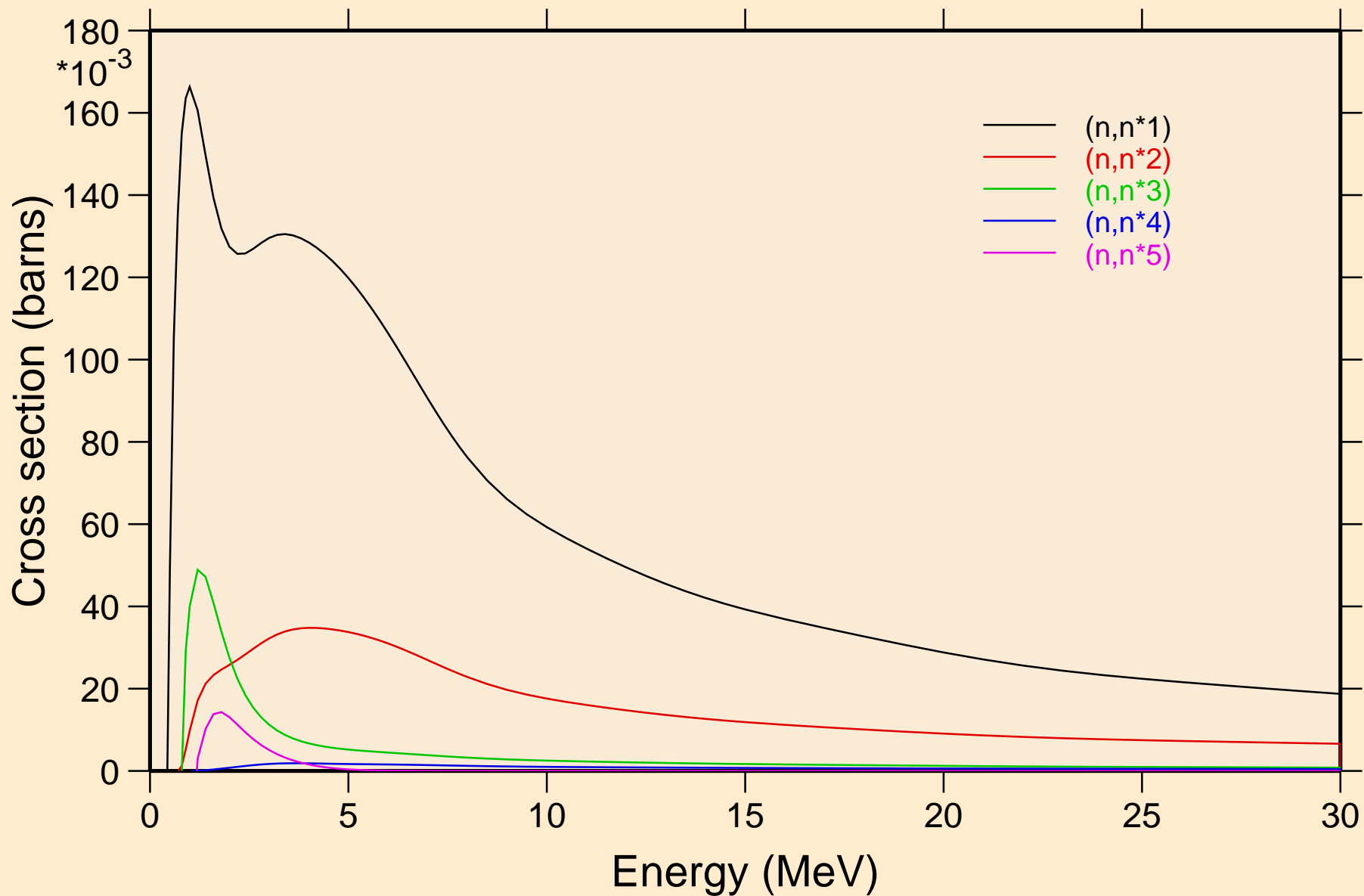


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

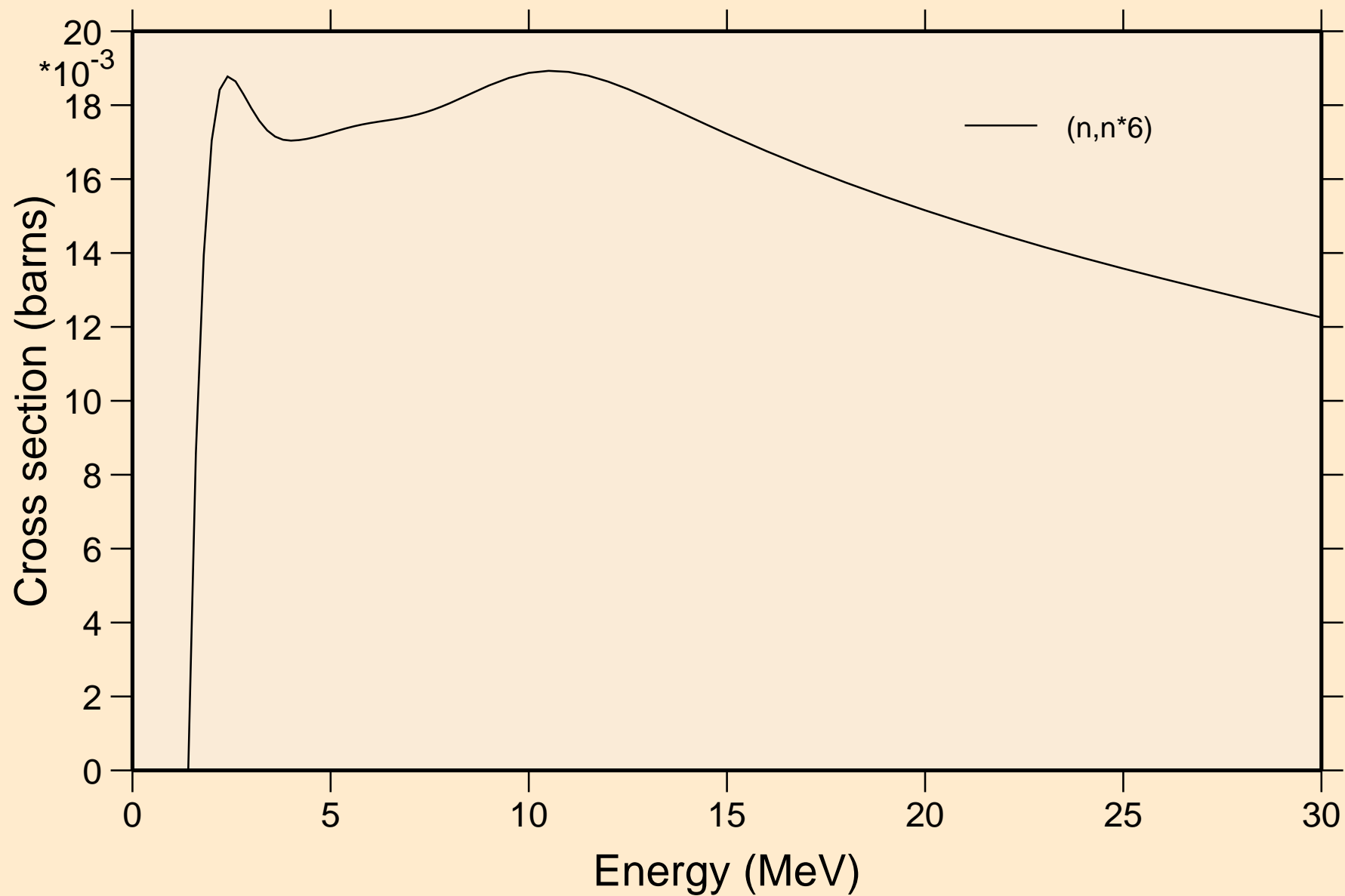


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

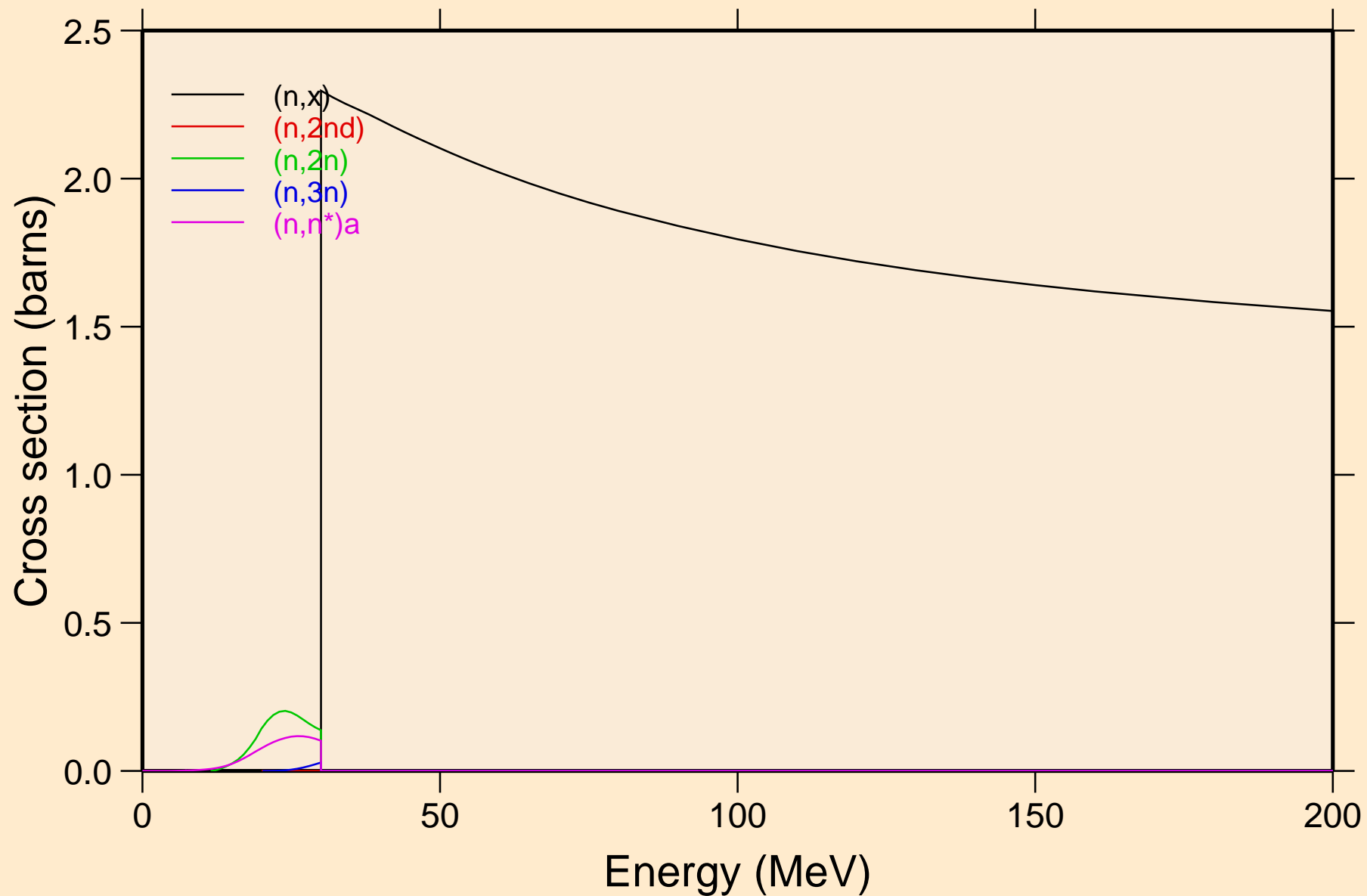
Inelastic levels



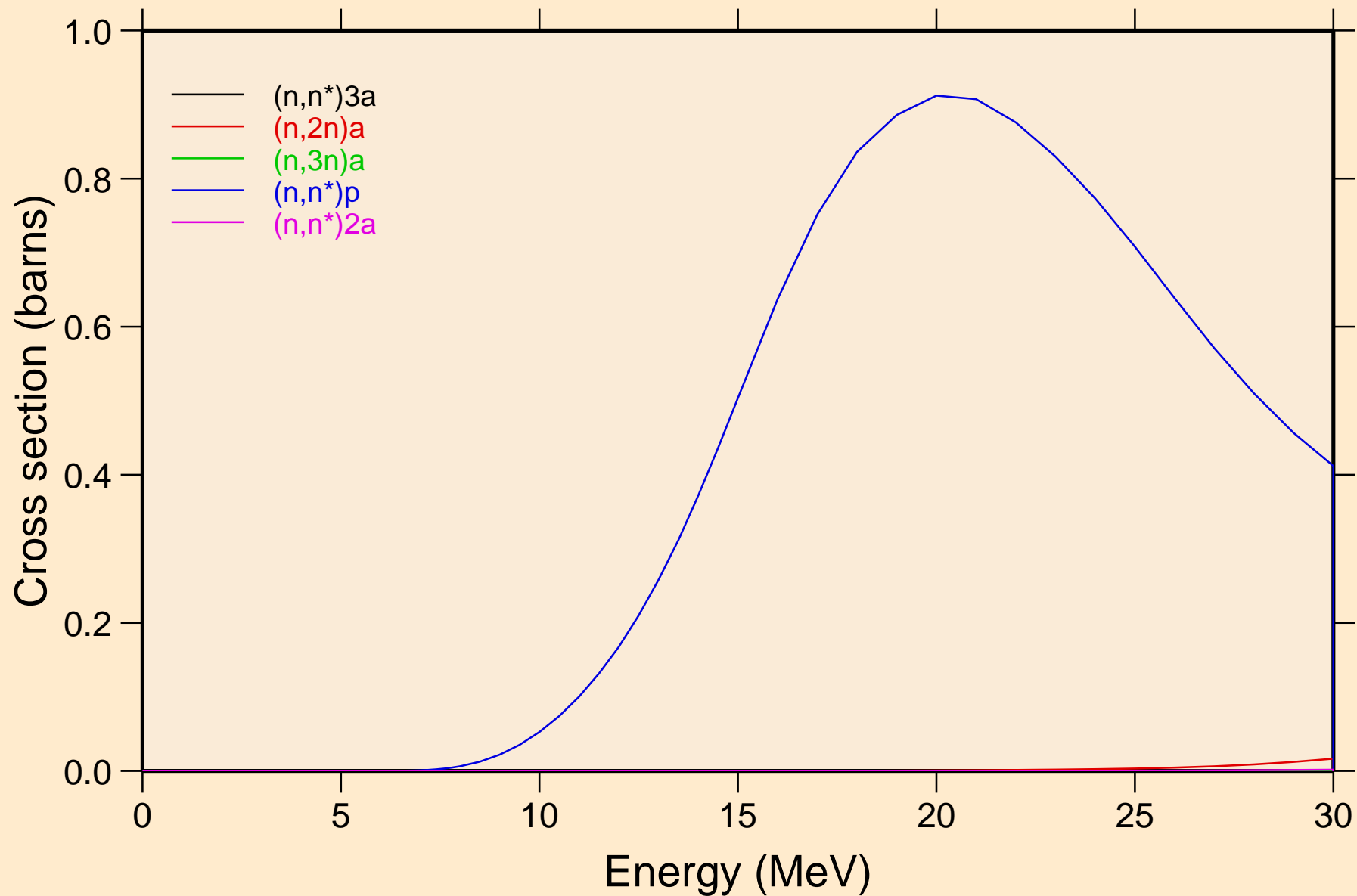
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

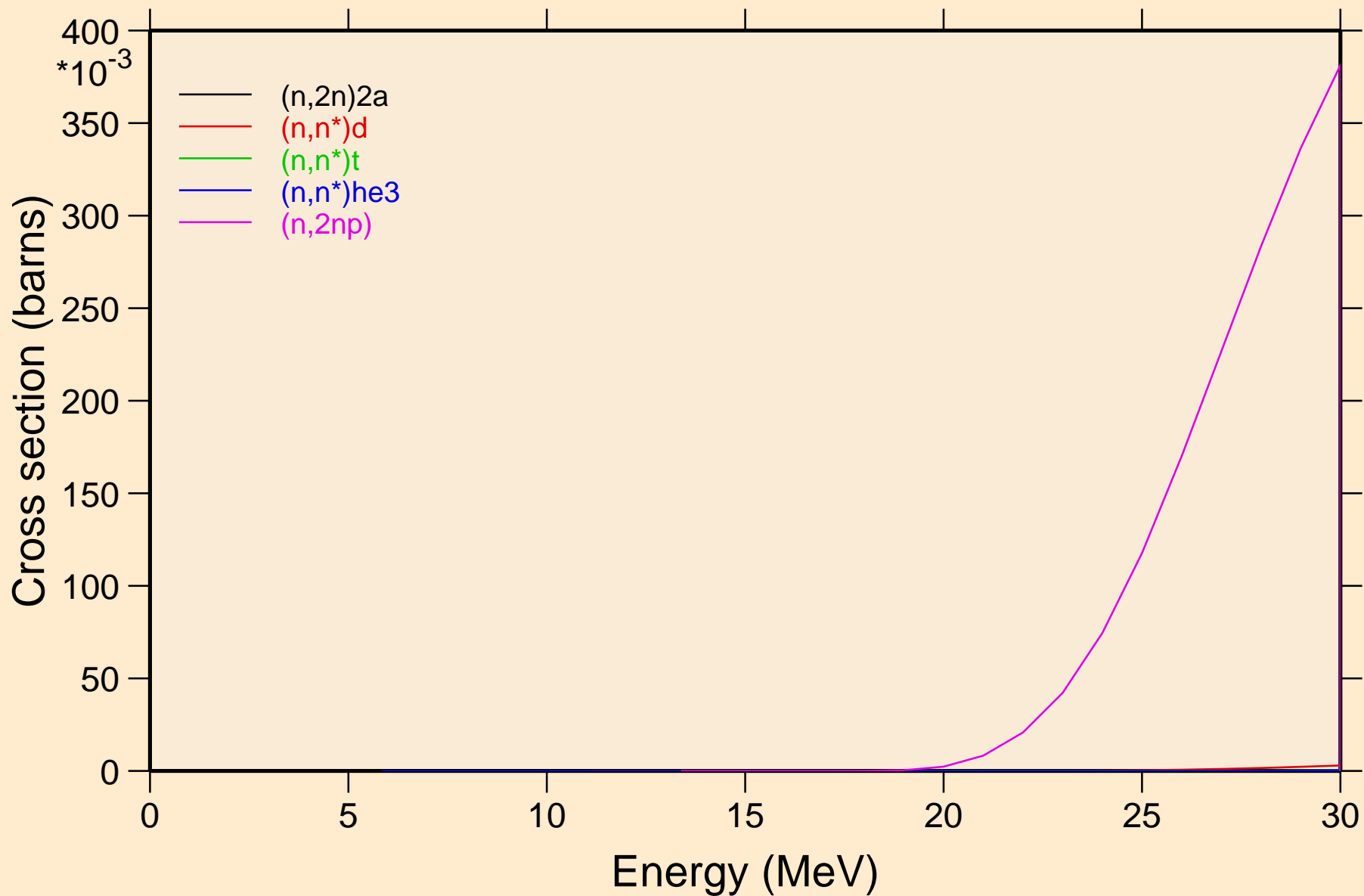


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

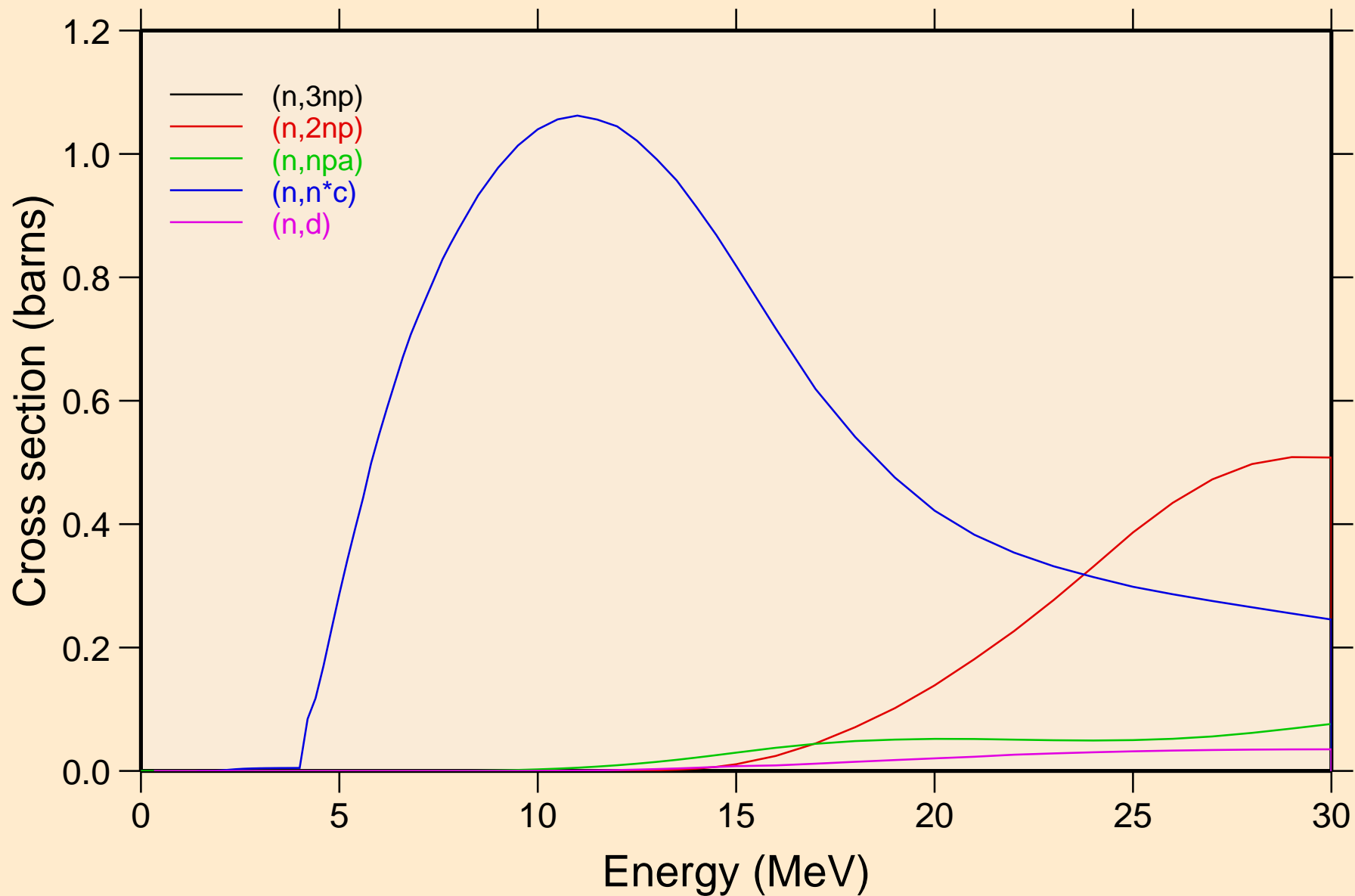


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

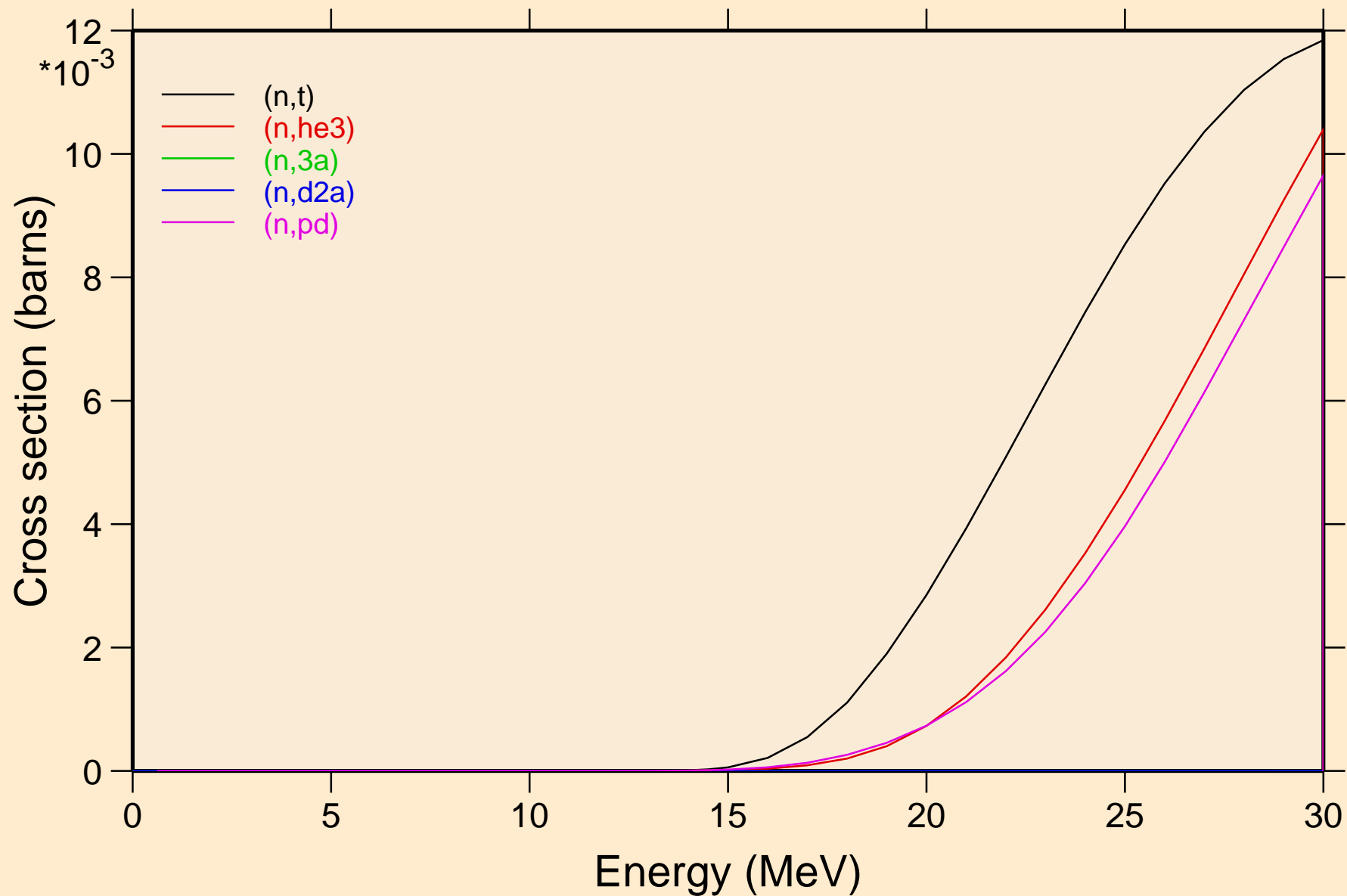


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



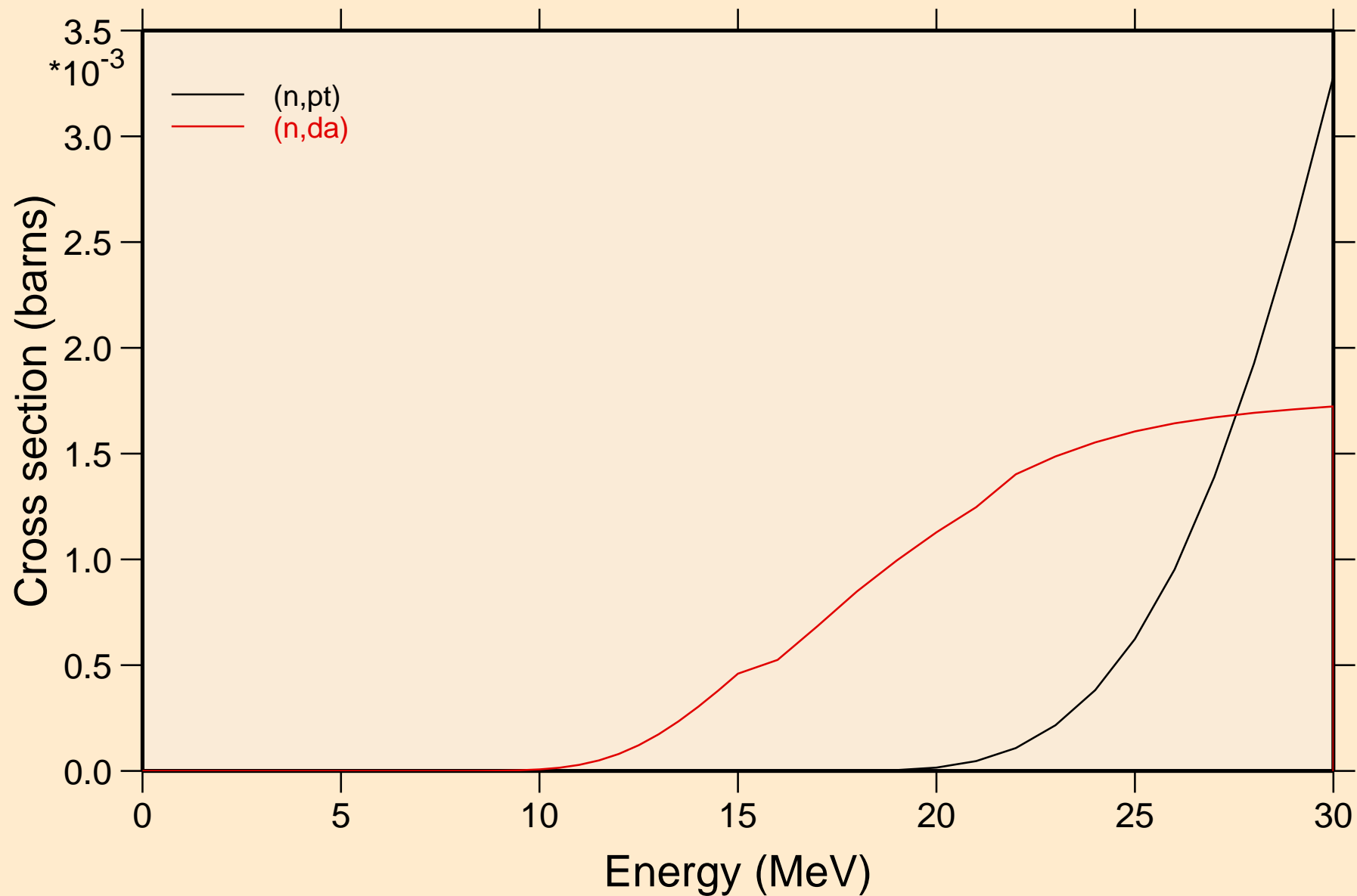
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

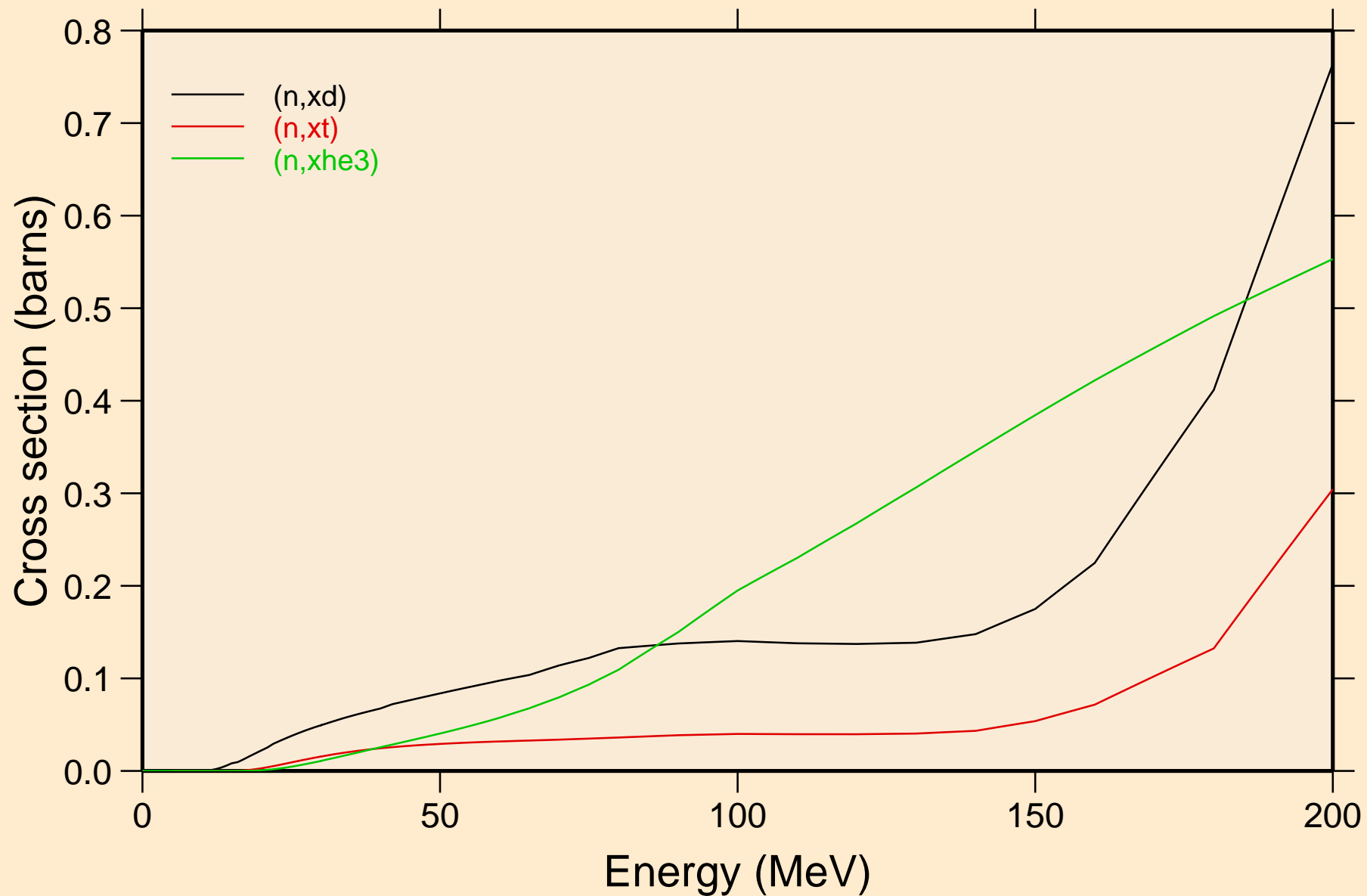


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

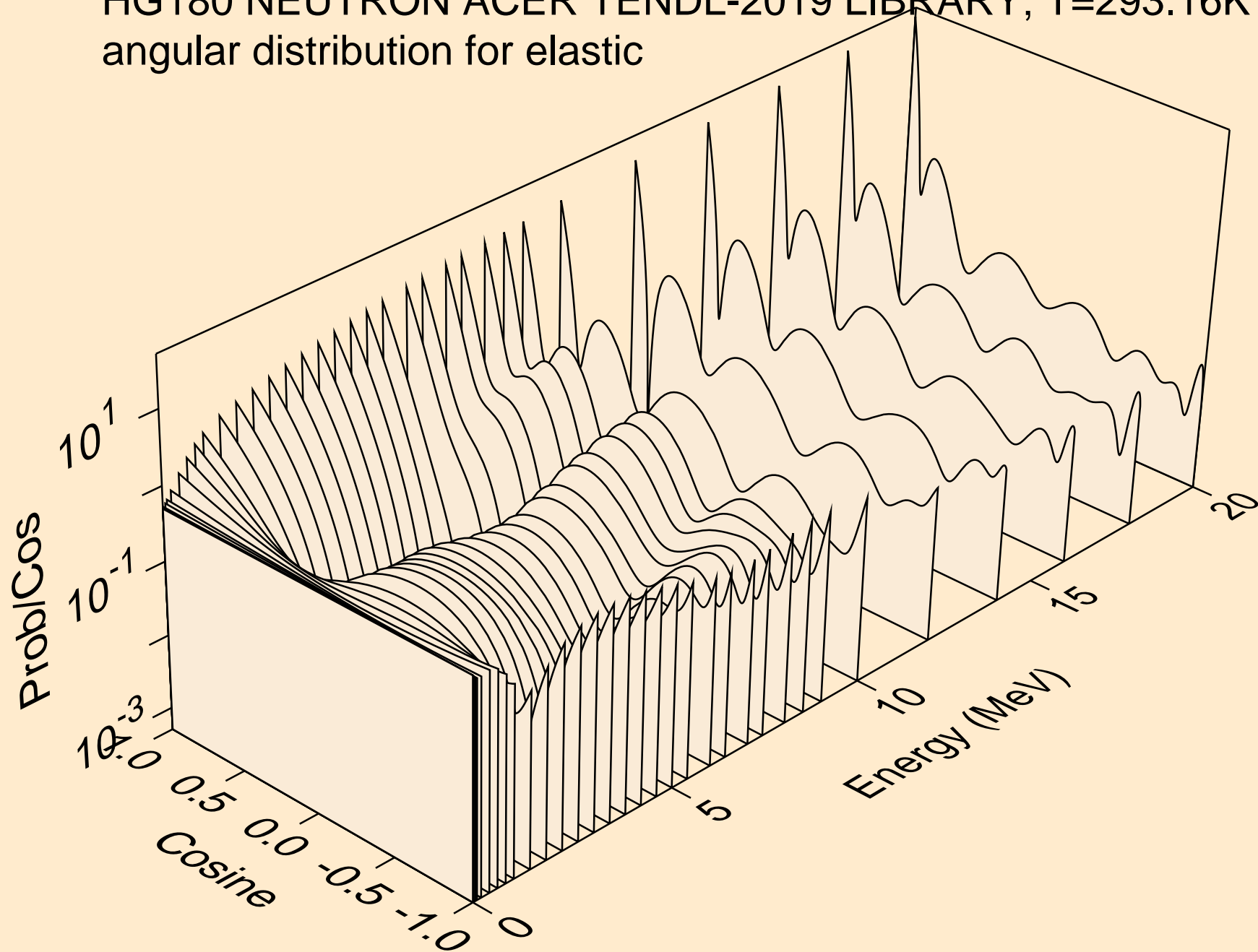
Threshold reactions



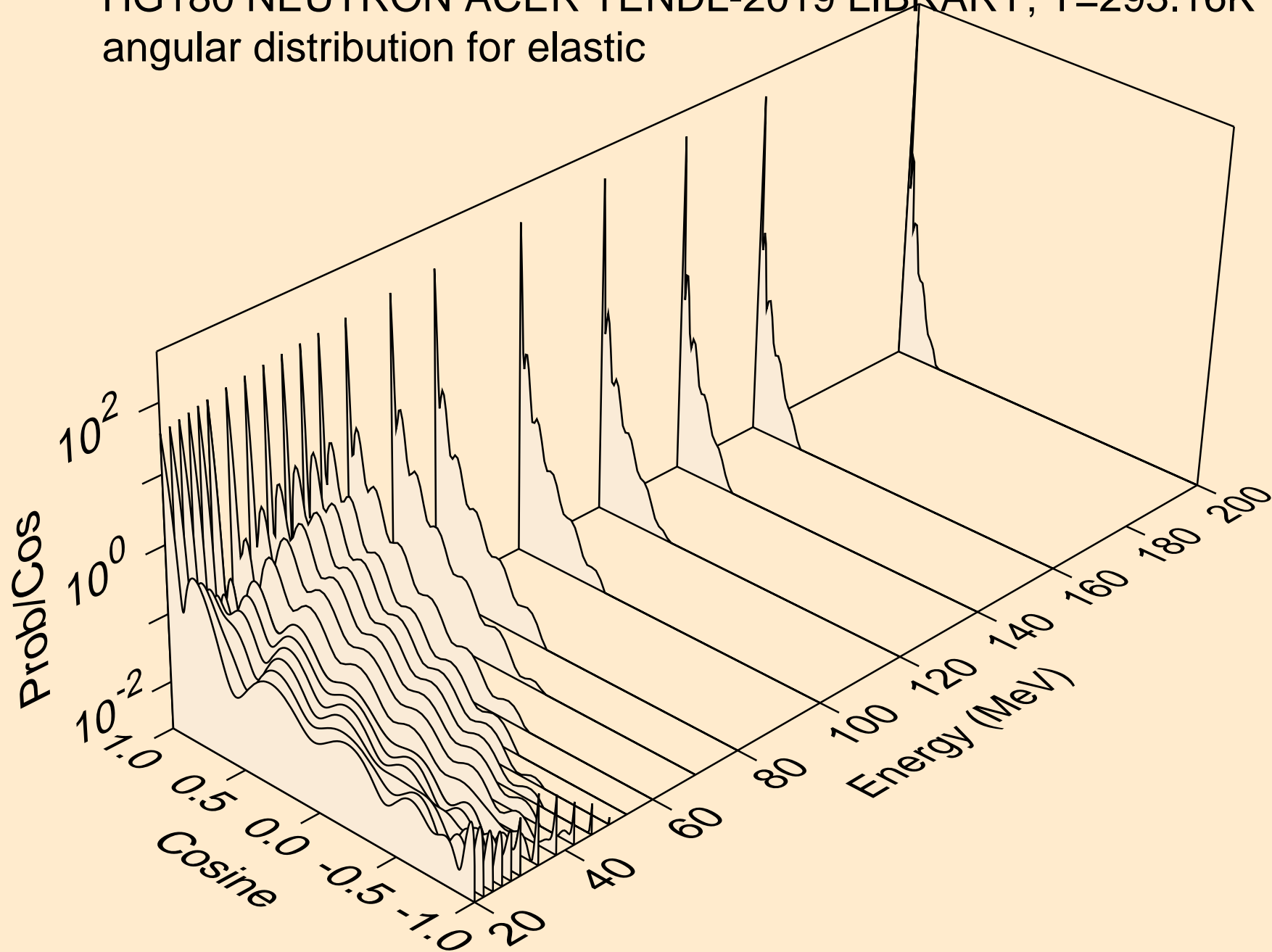
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



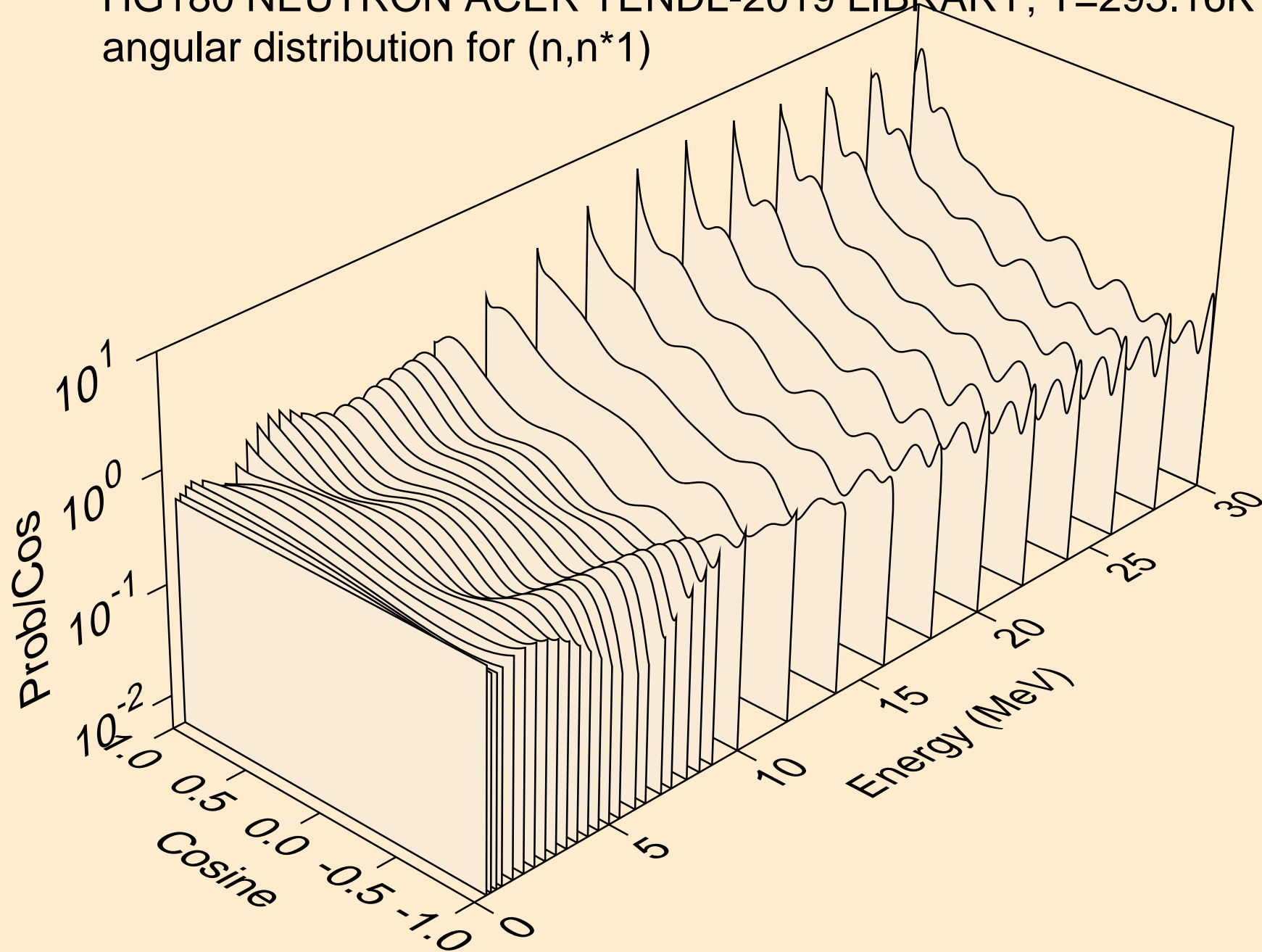
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



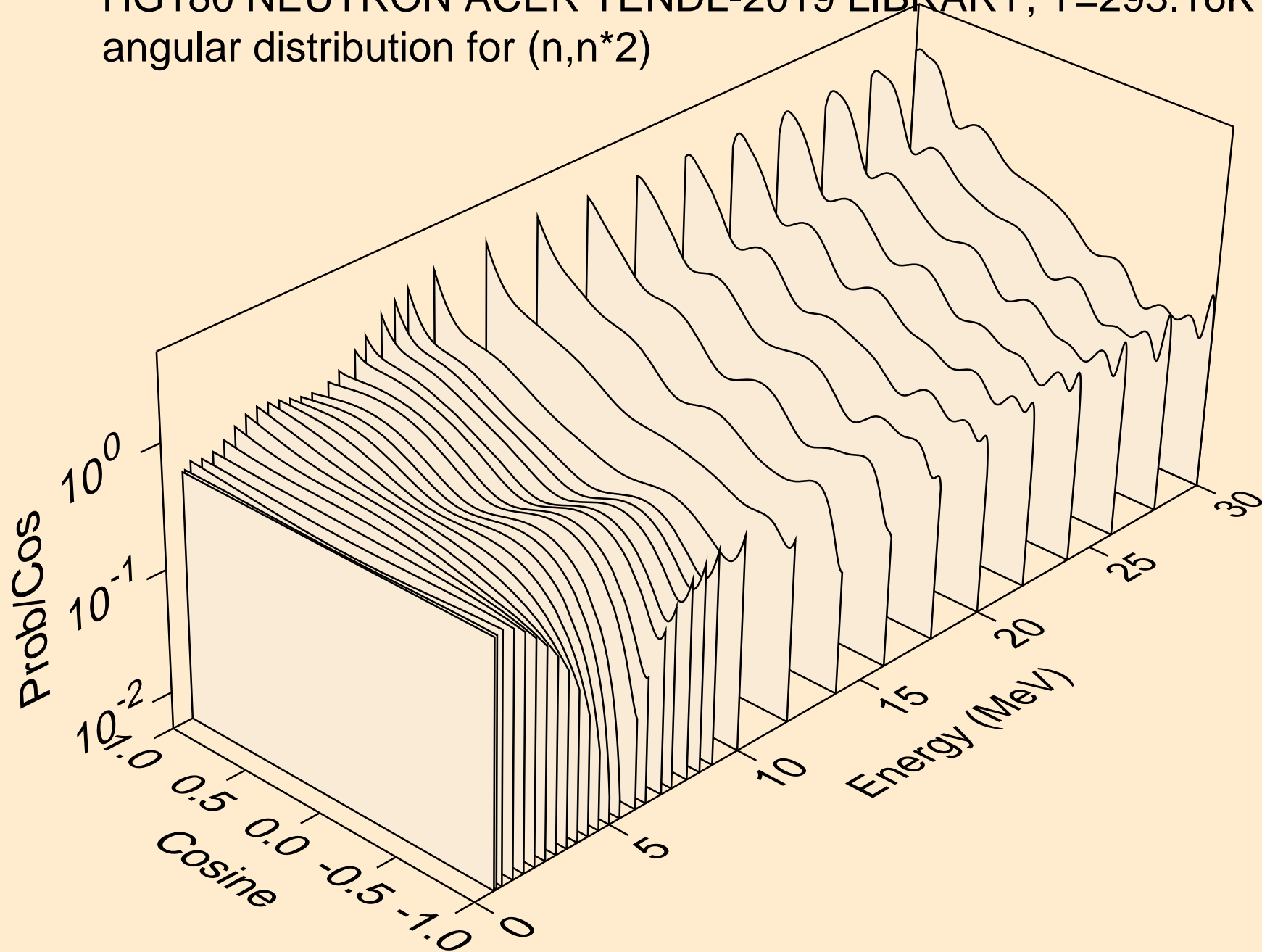
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



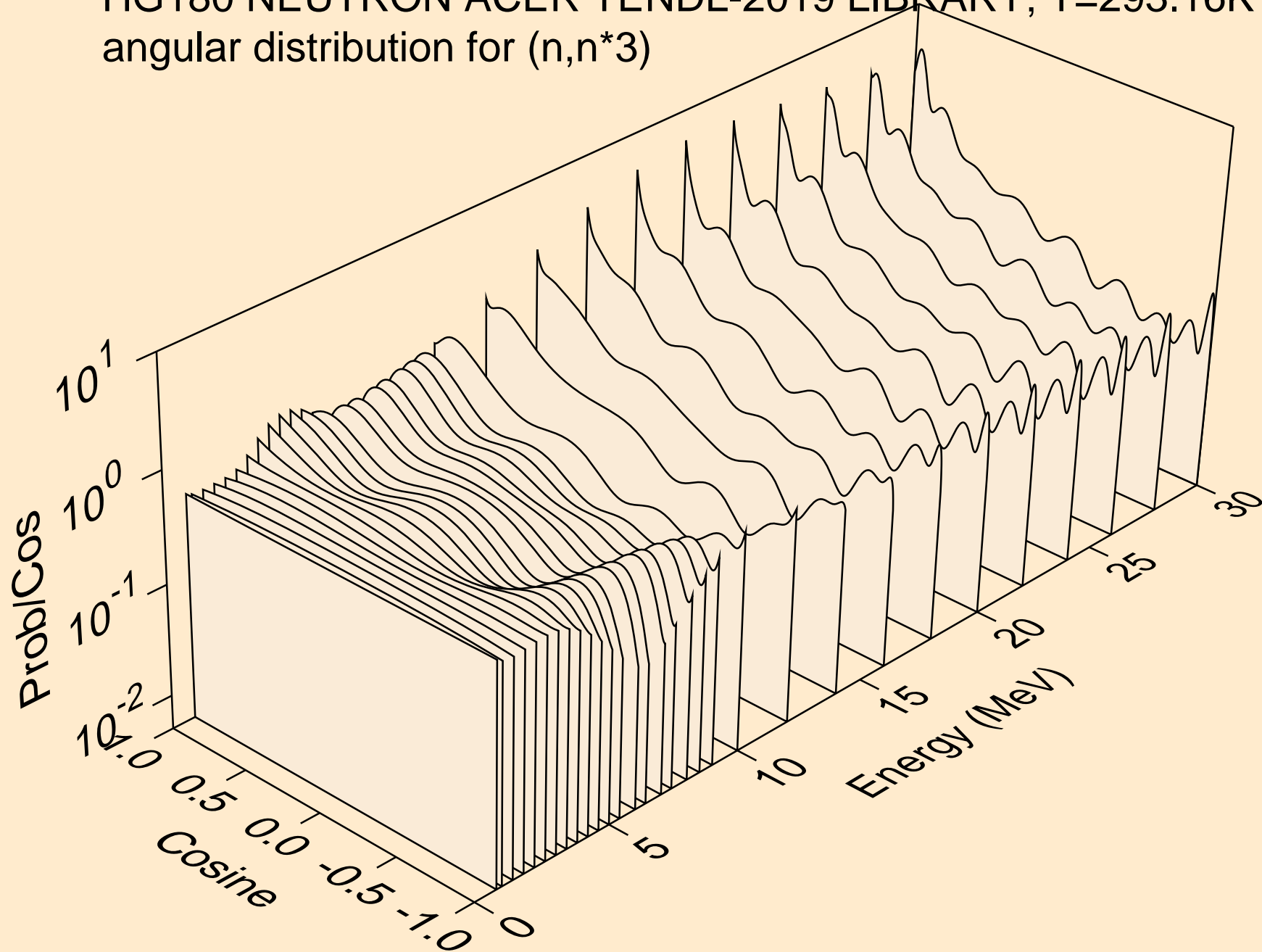
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



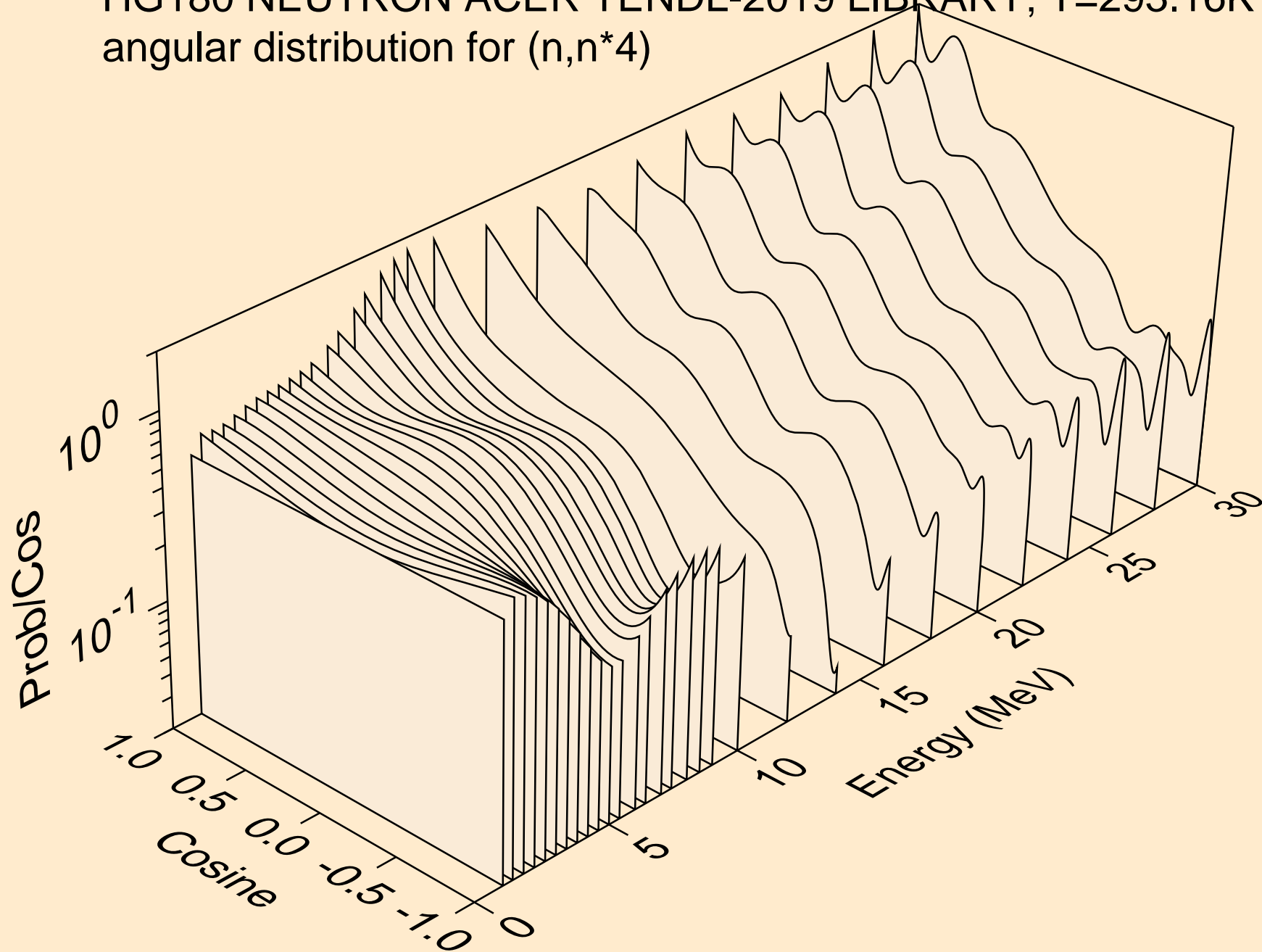
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



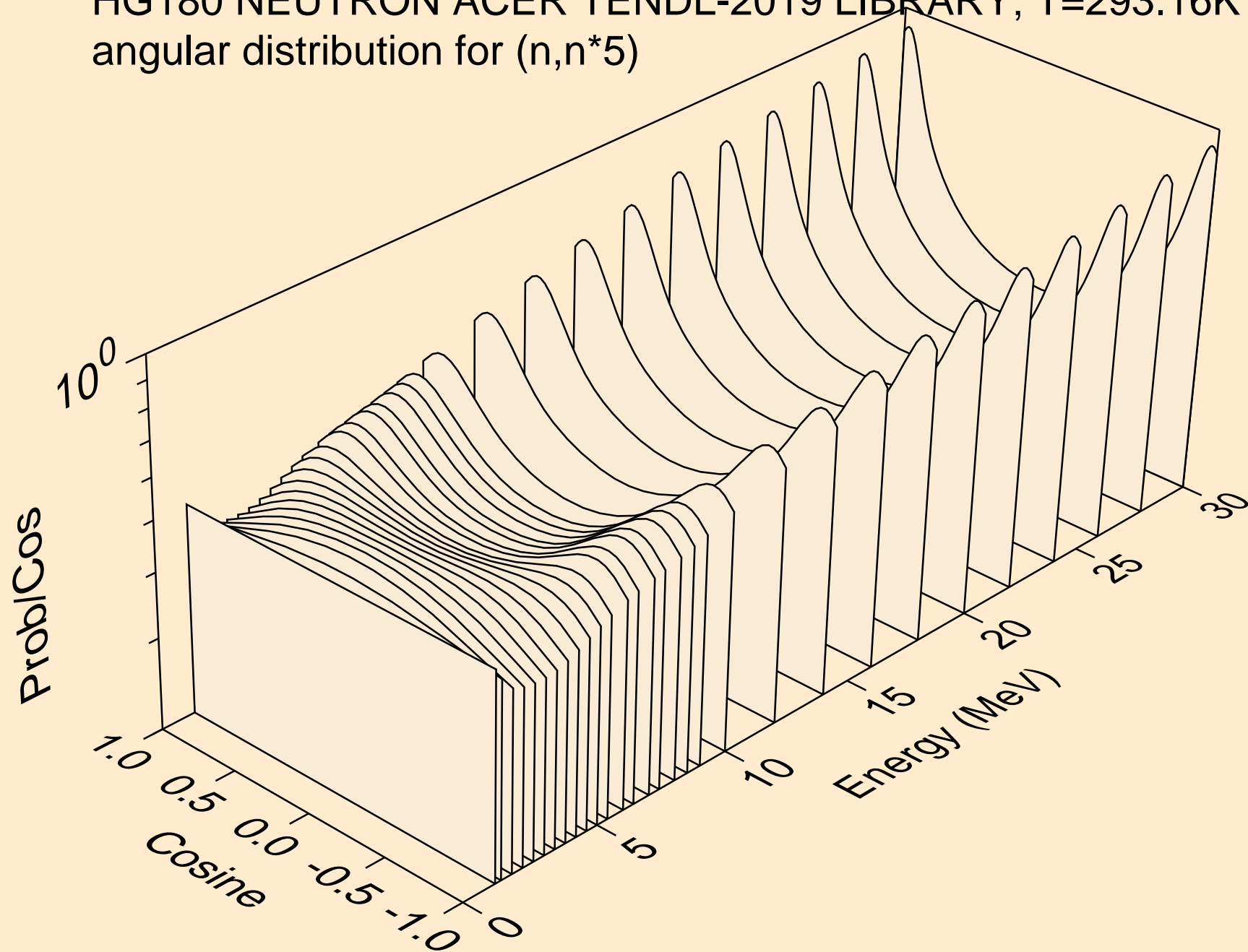
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



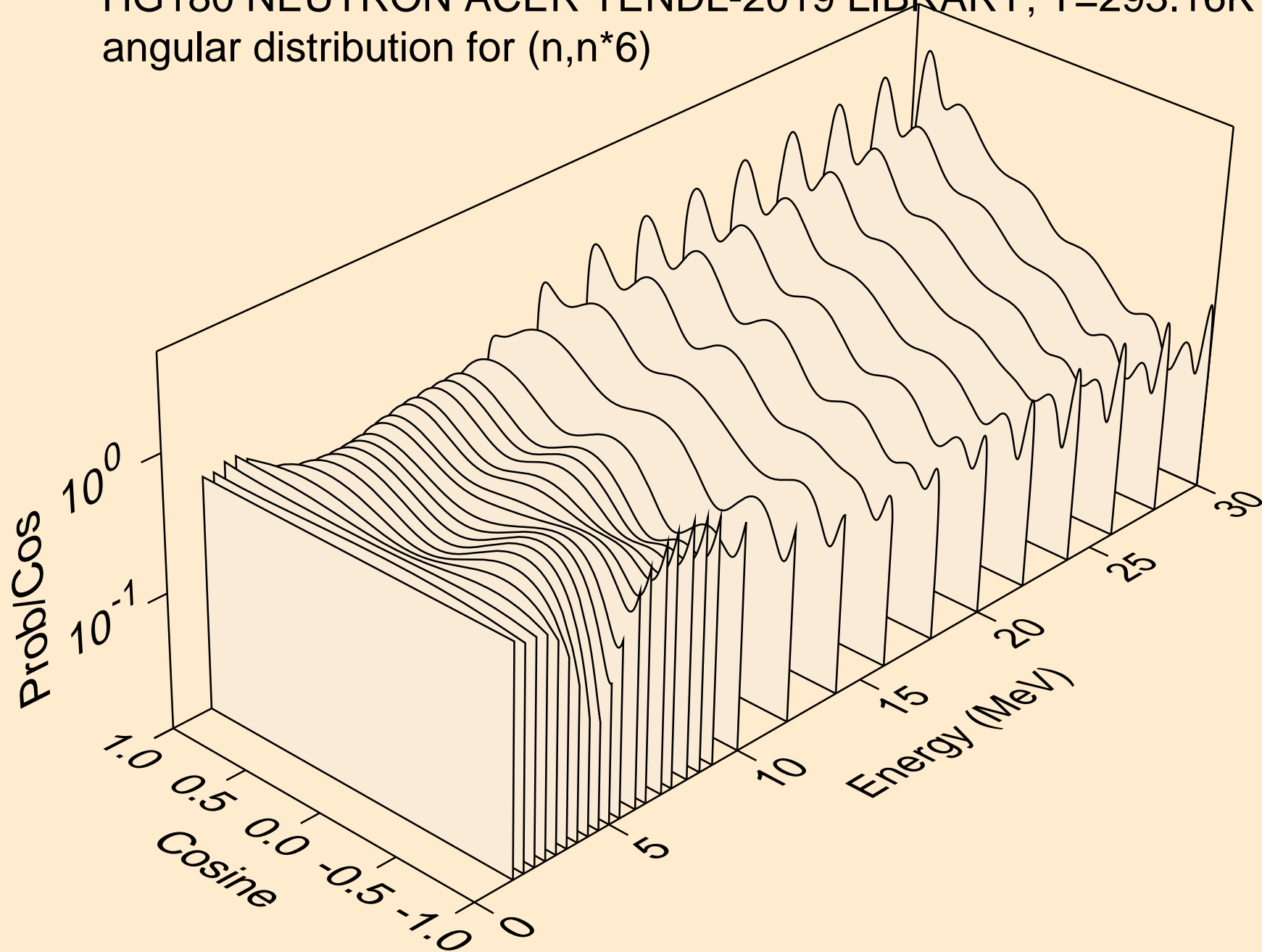
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*4)



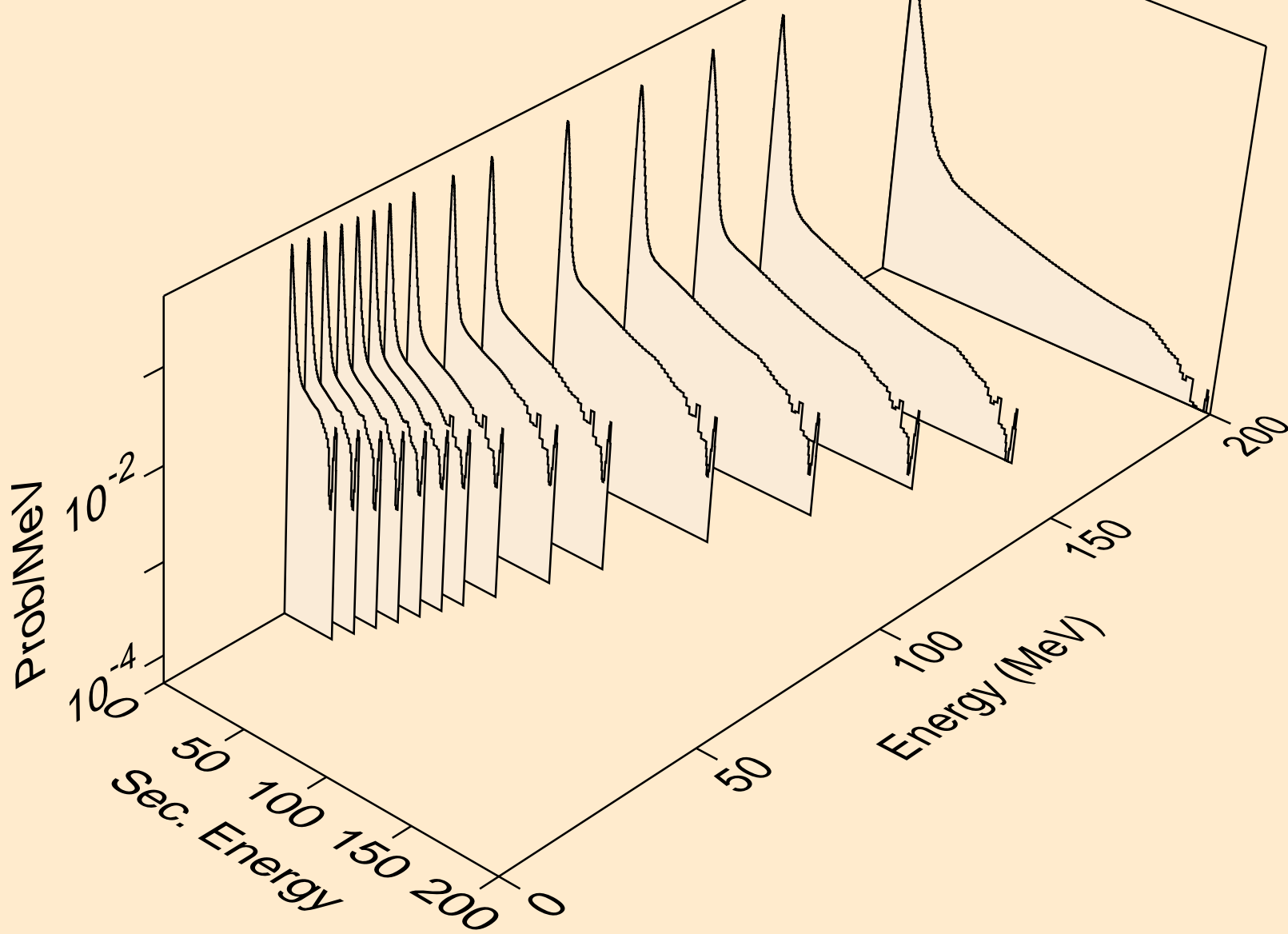
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



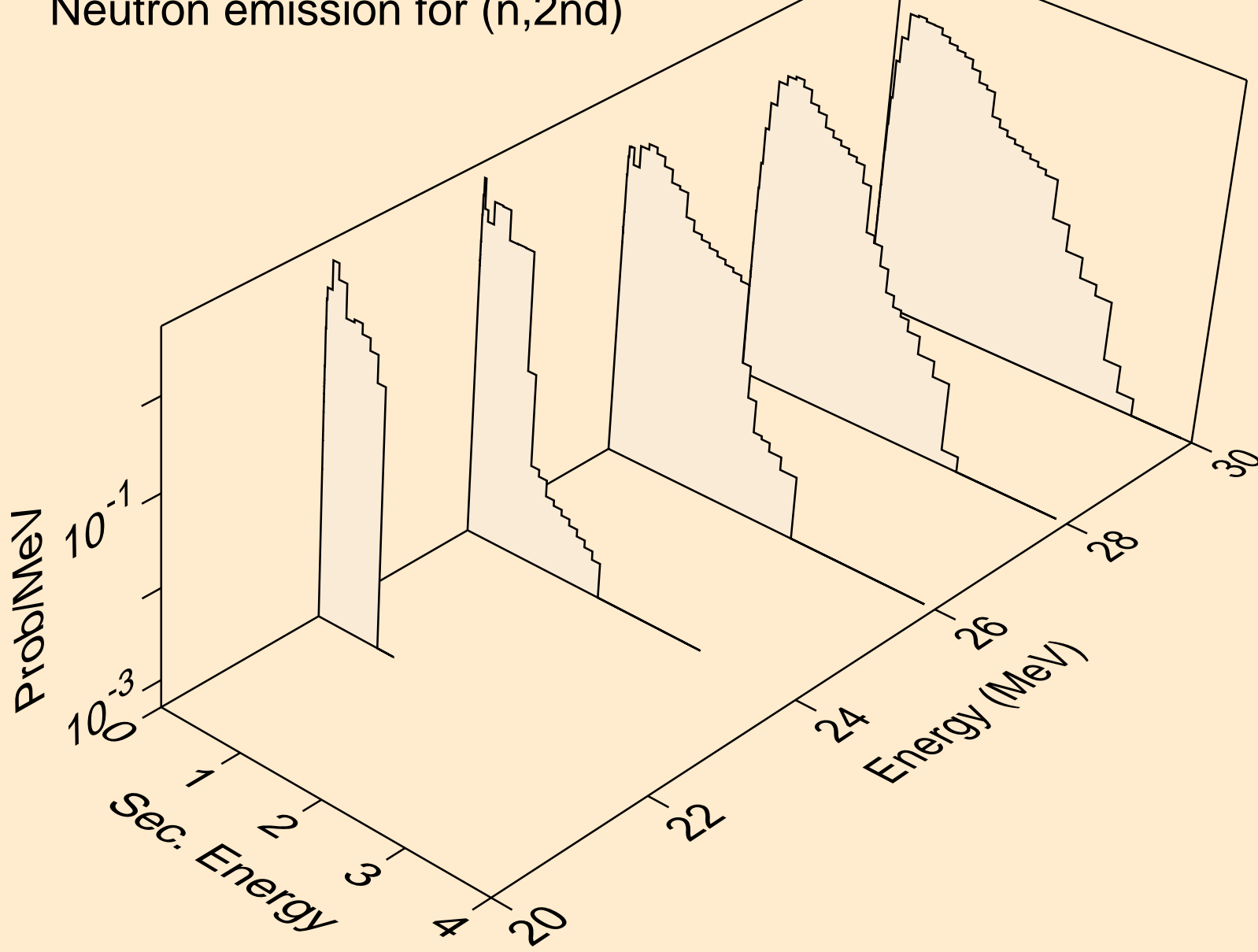
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*6)



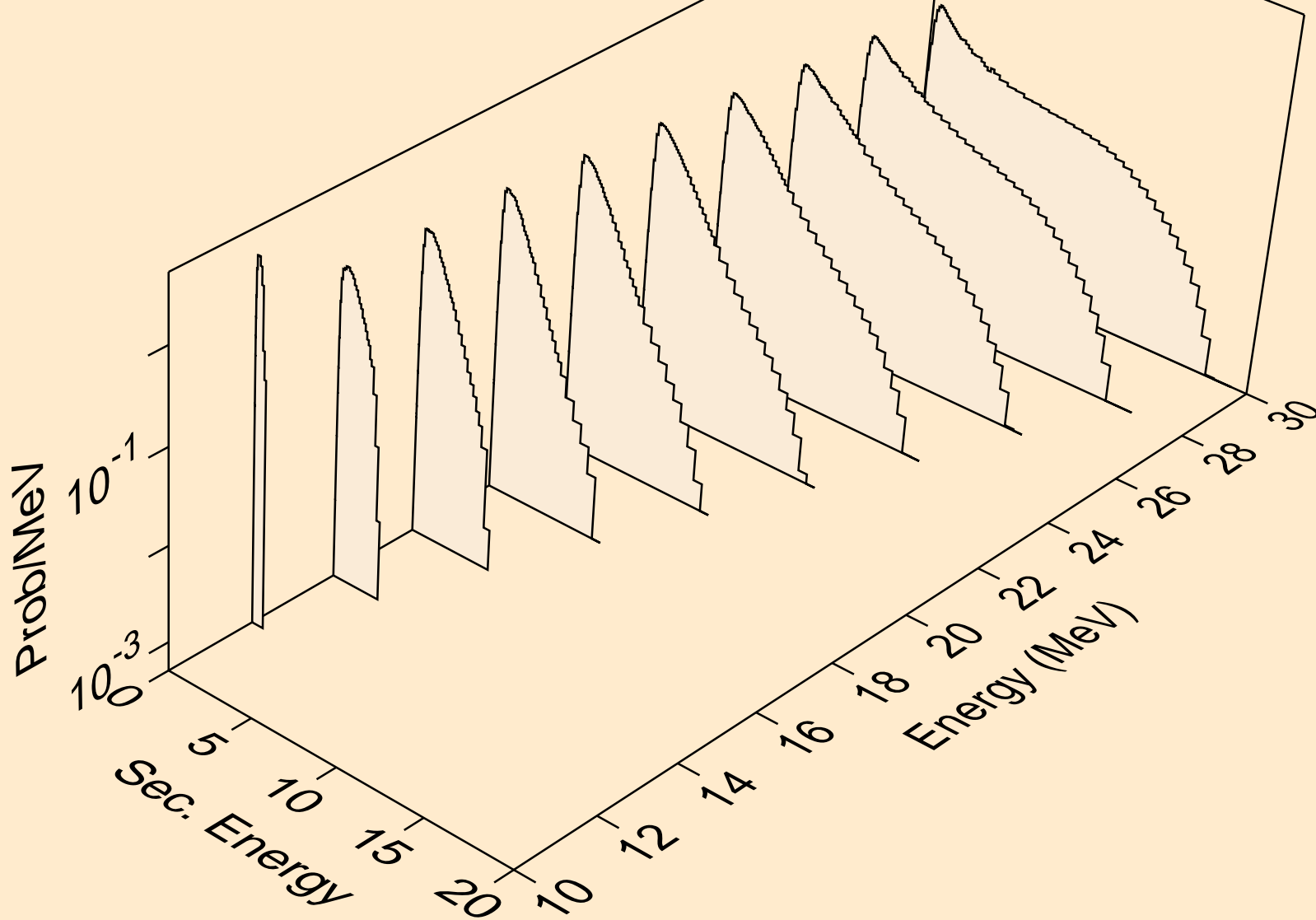
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



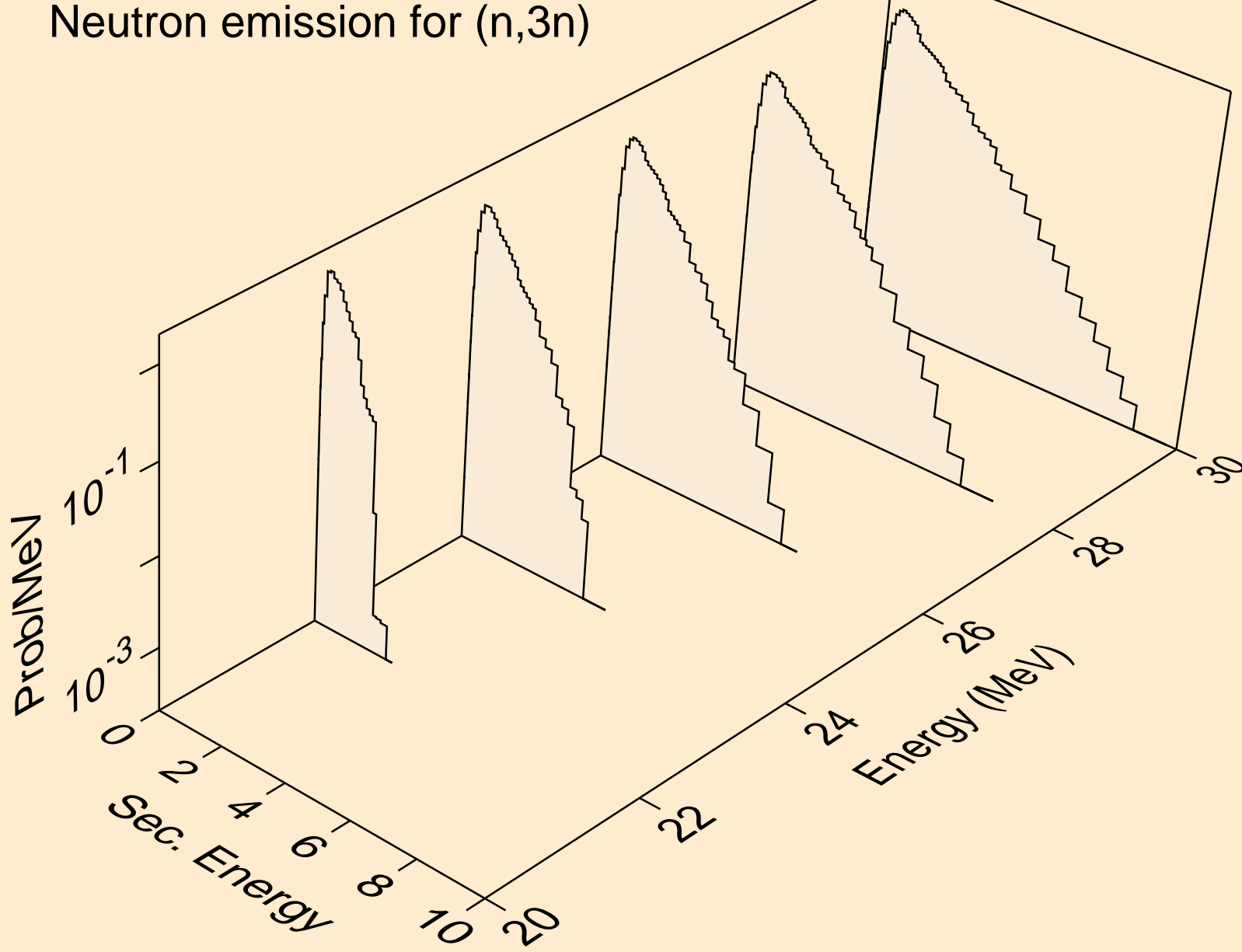
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



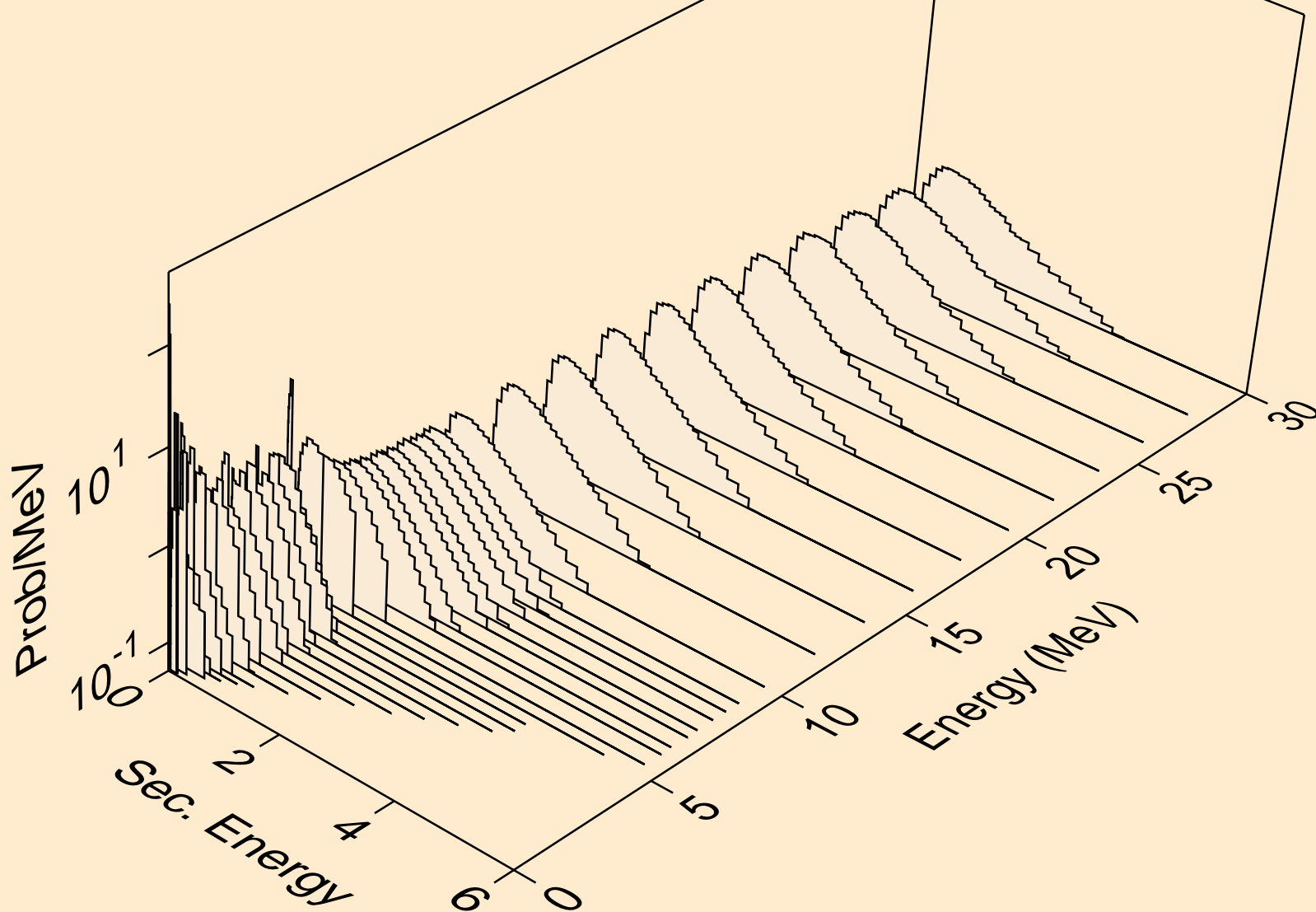
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



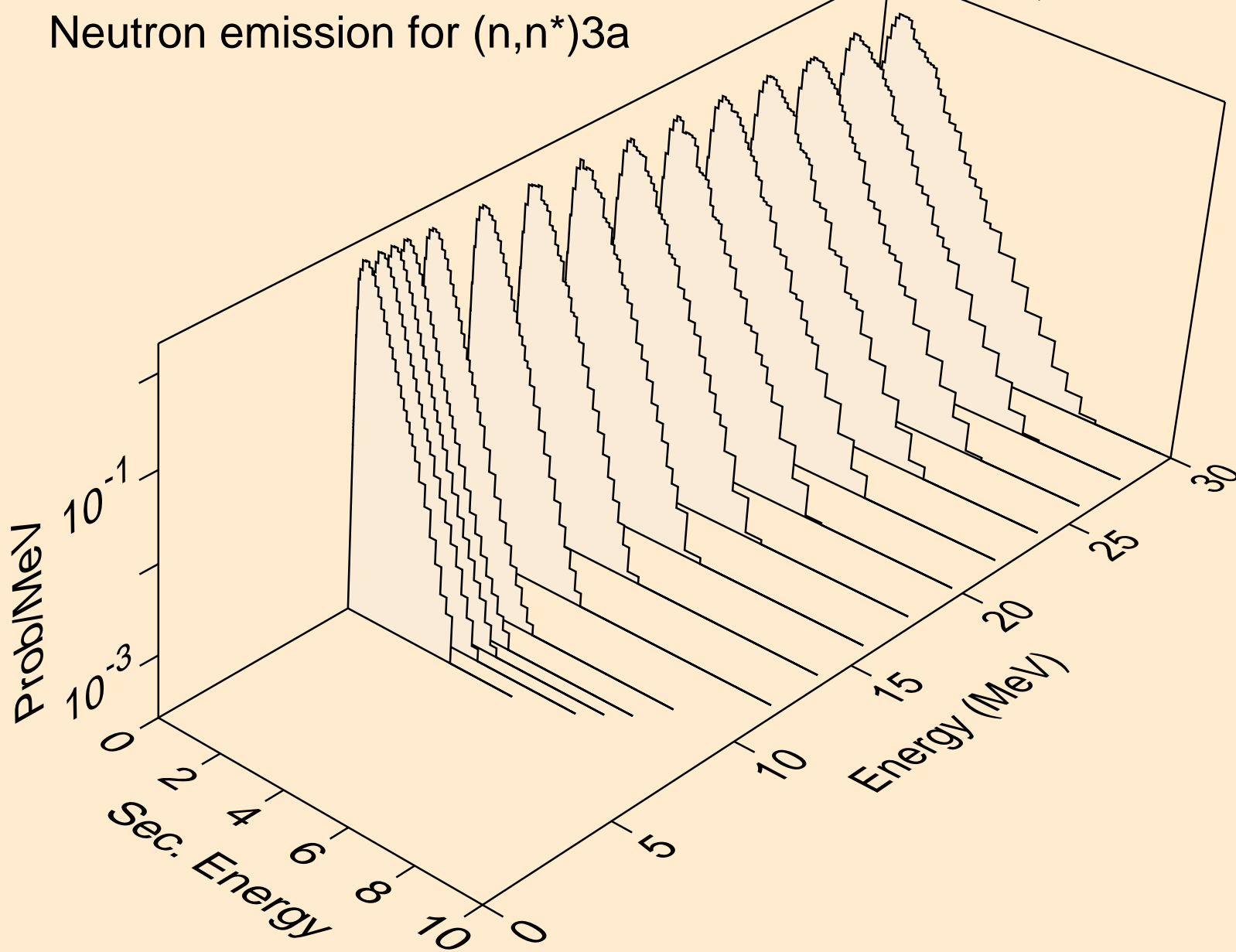
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



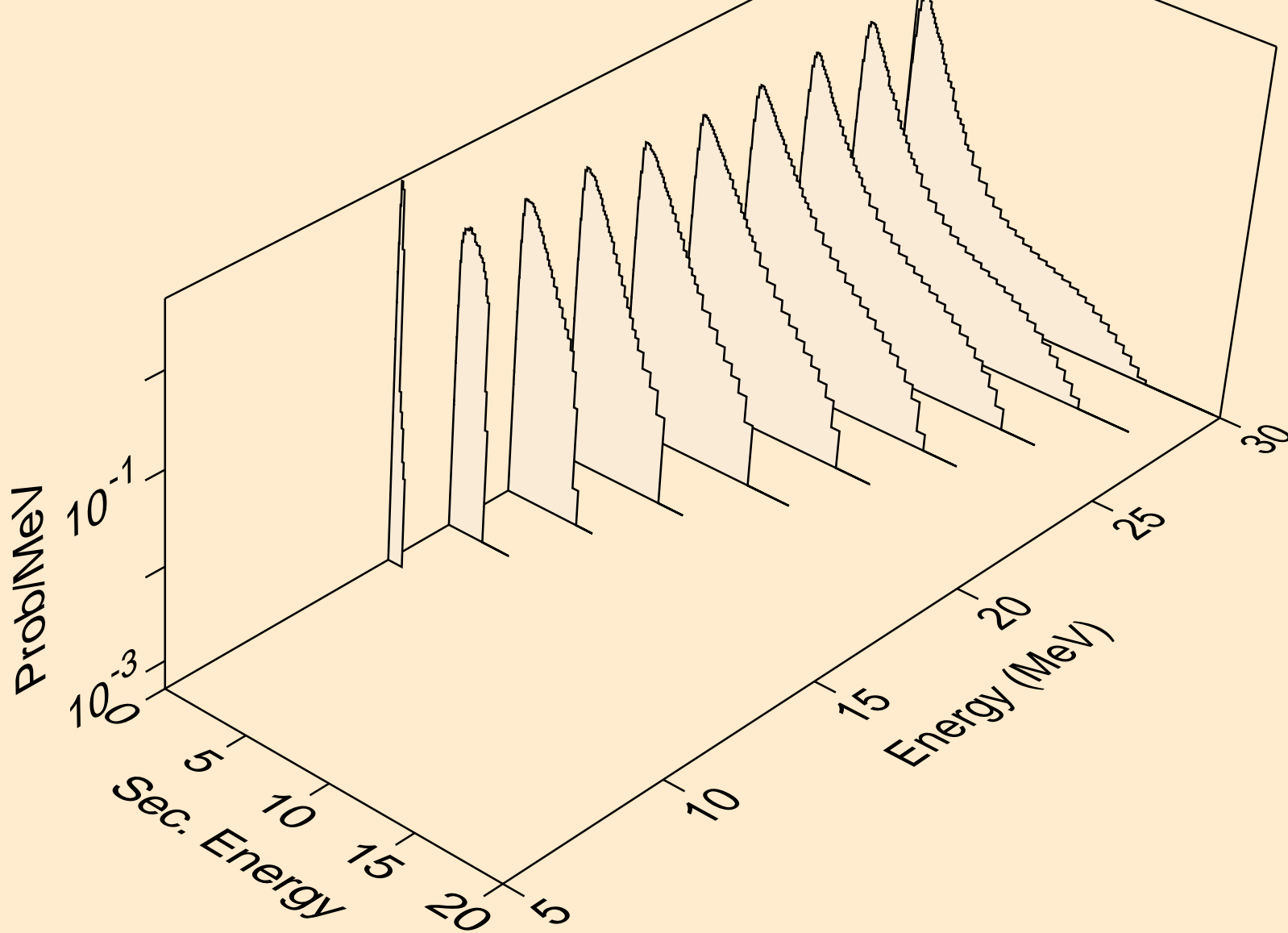
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



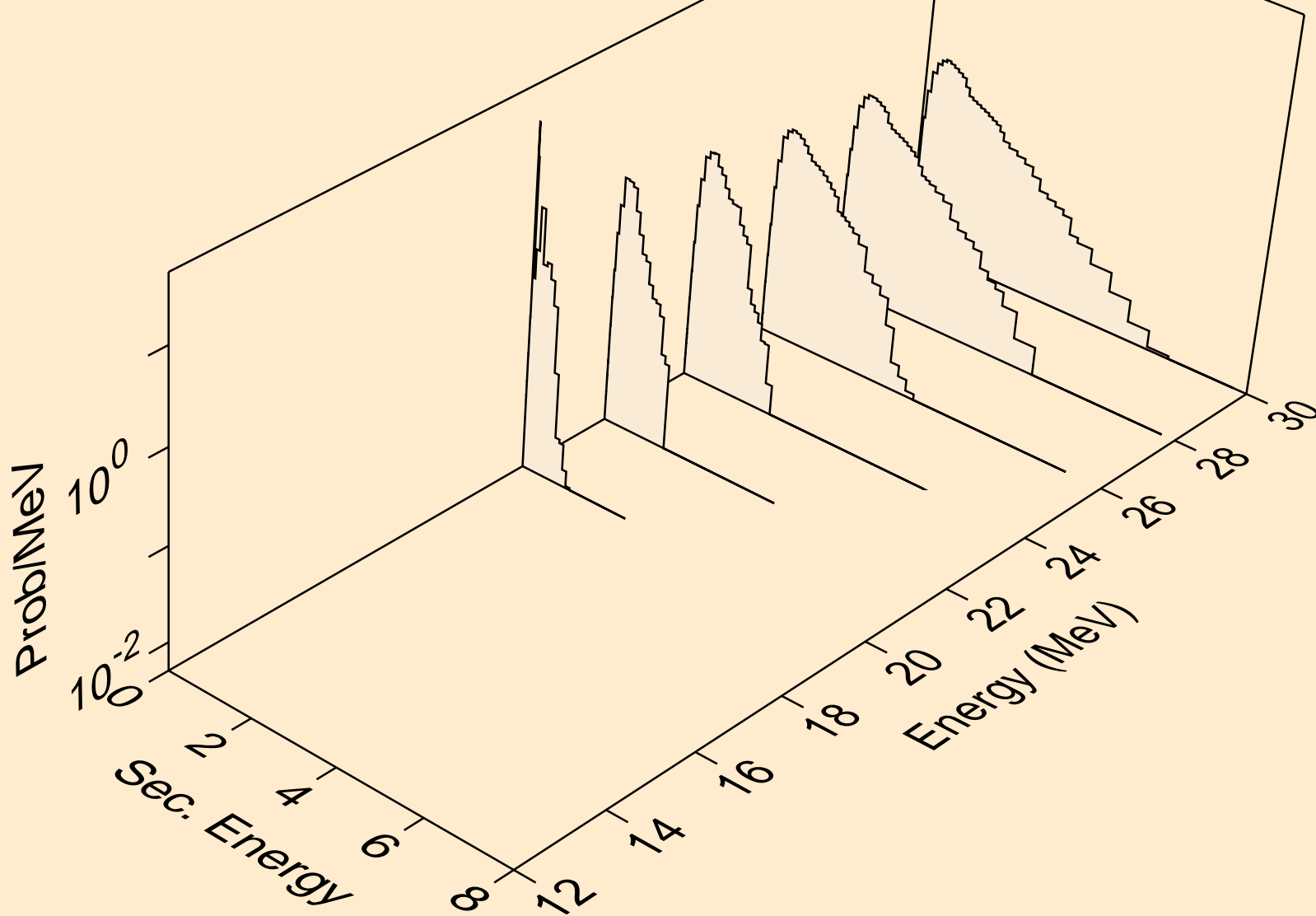
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)3a



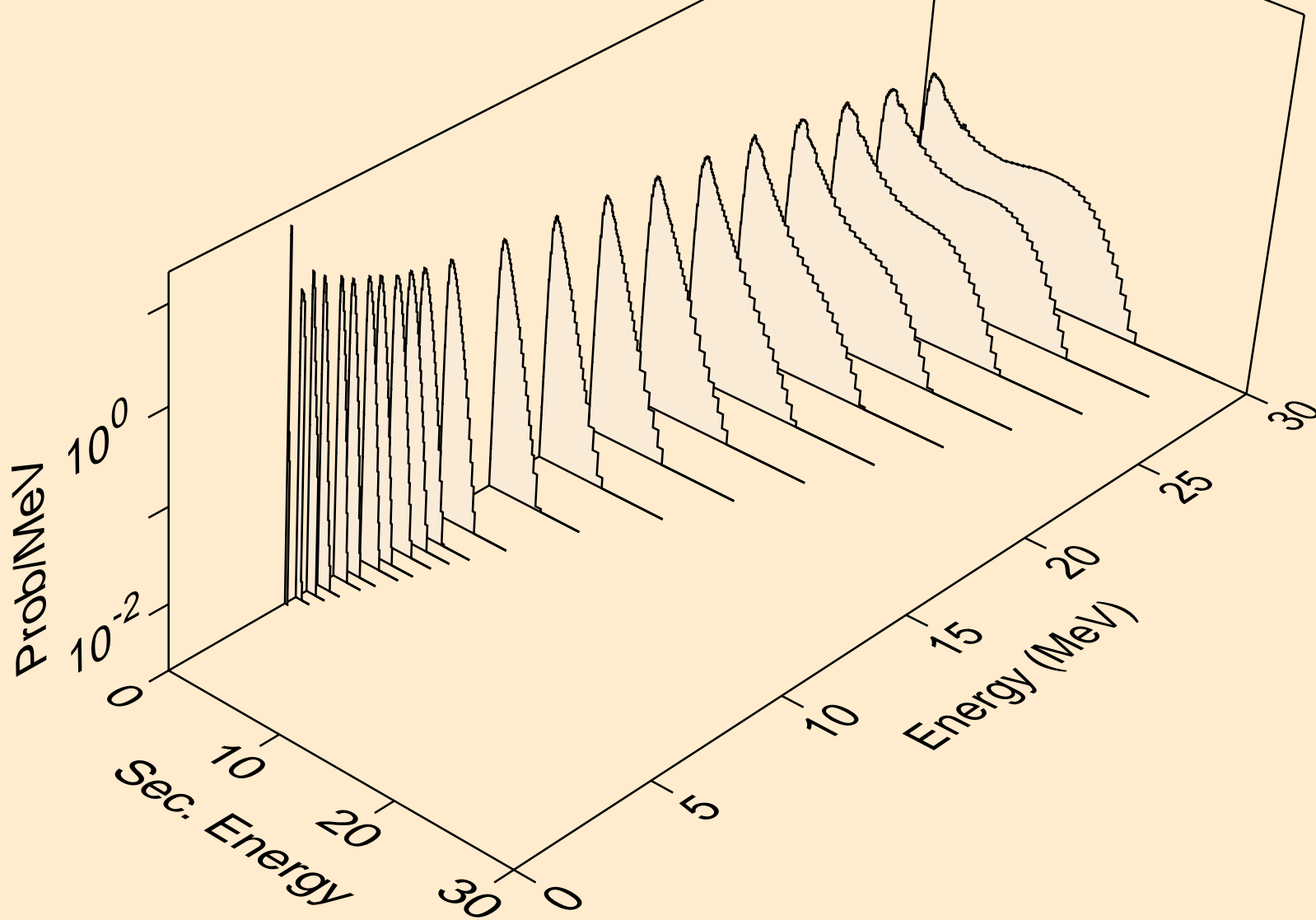
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



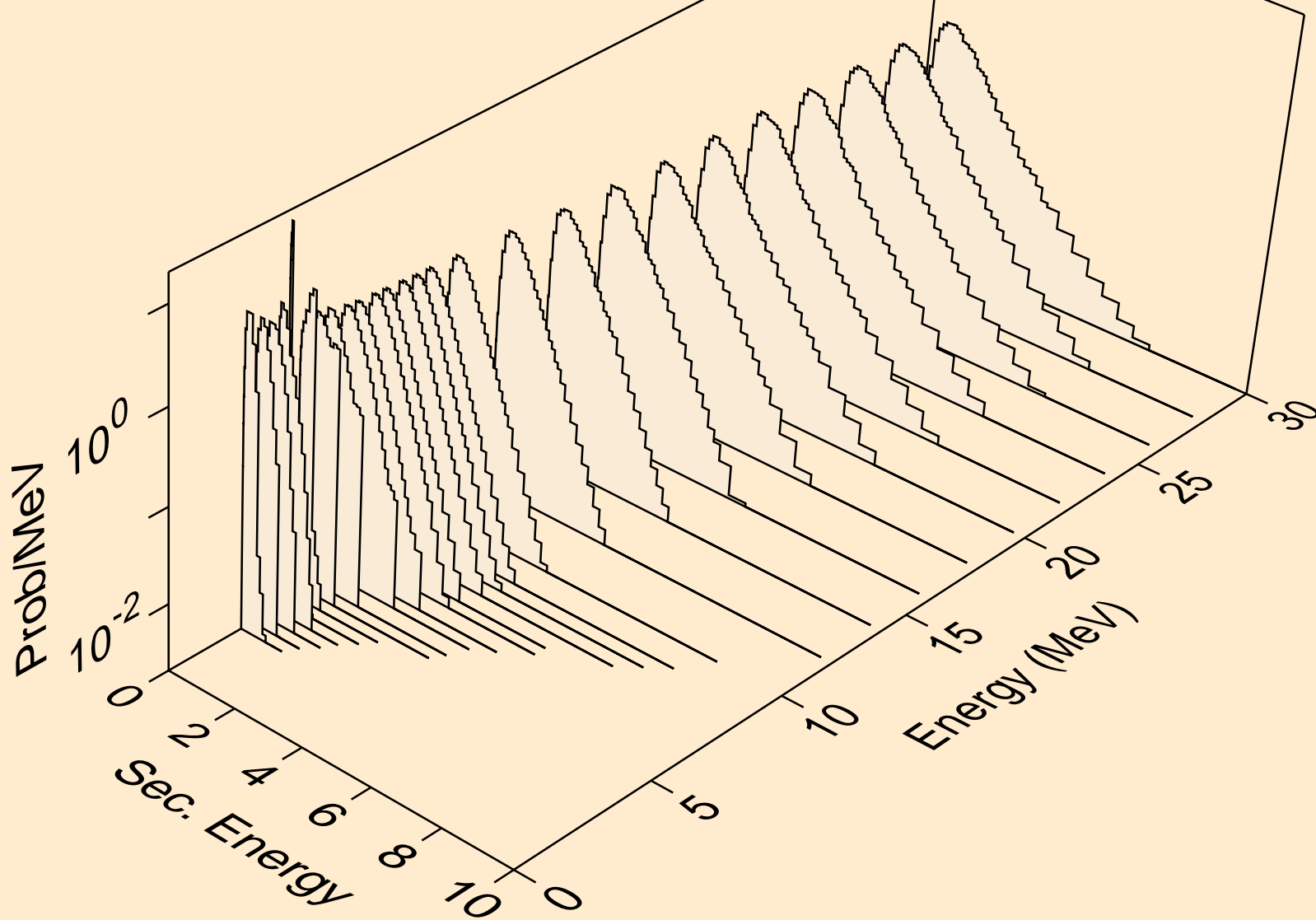
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



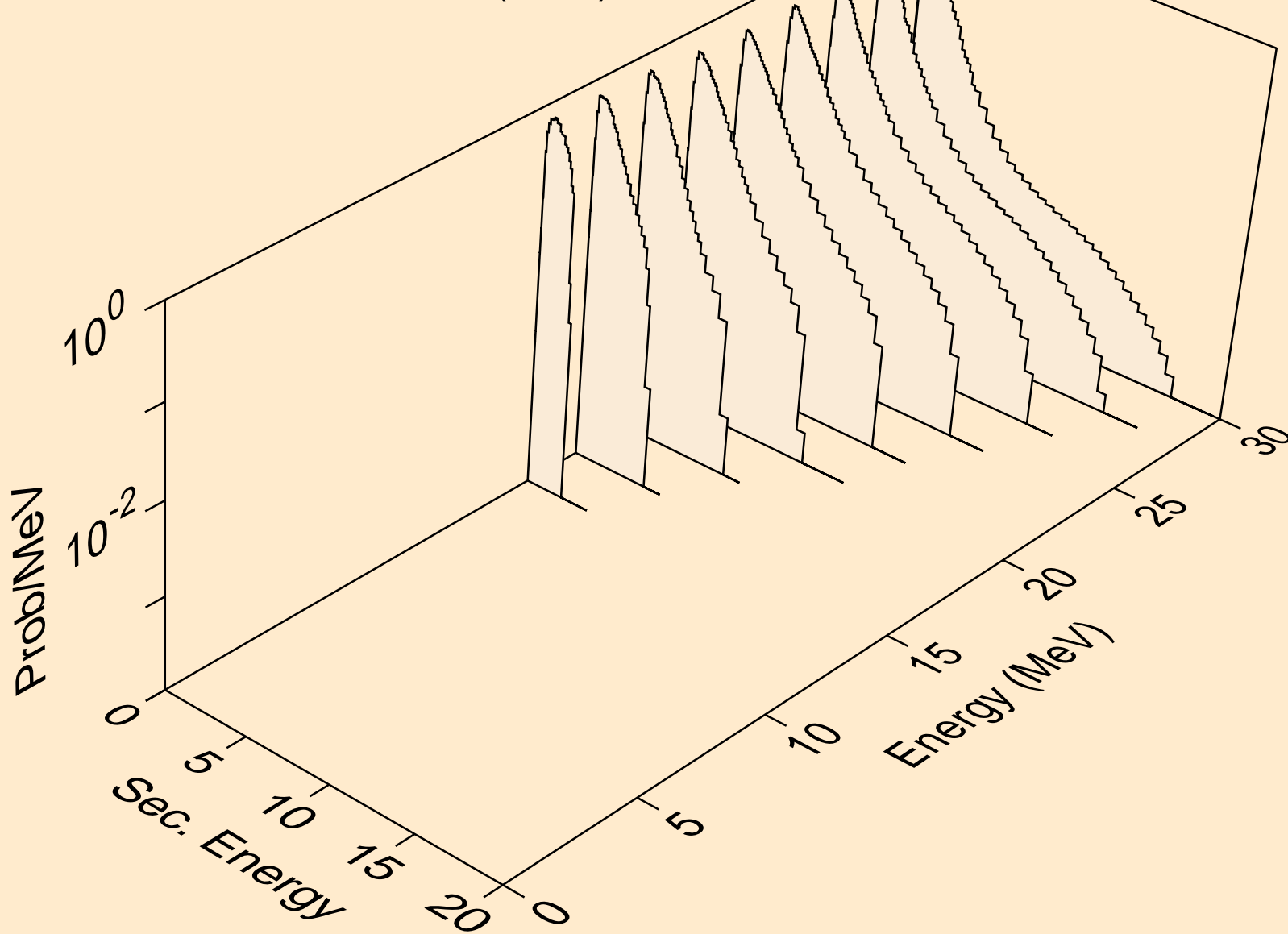
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



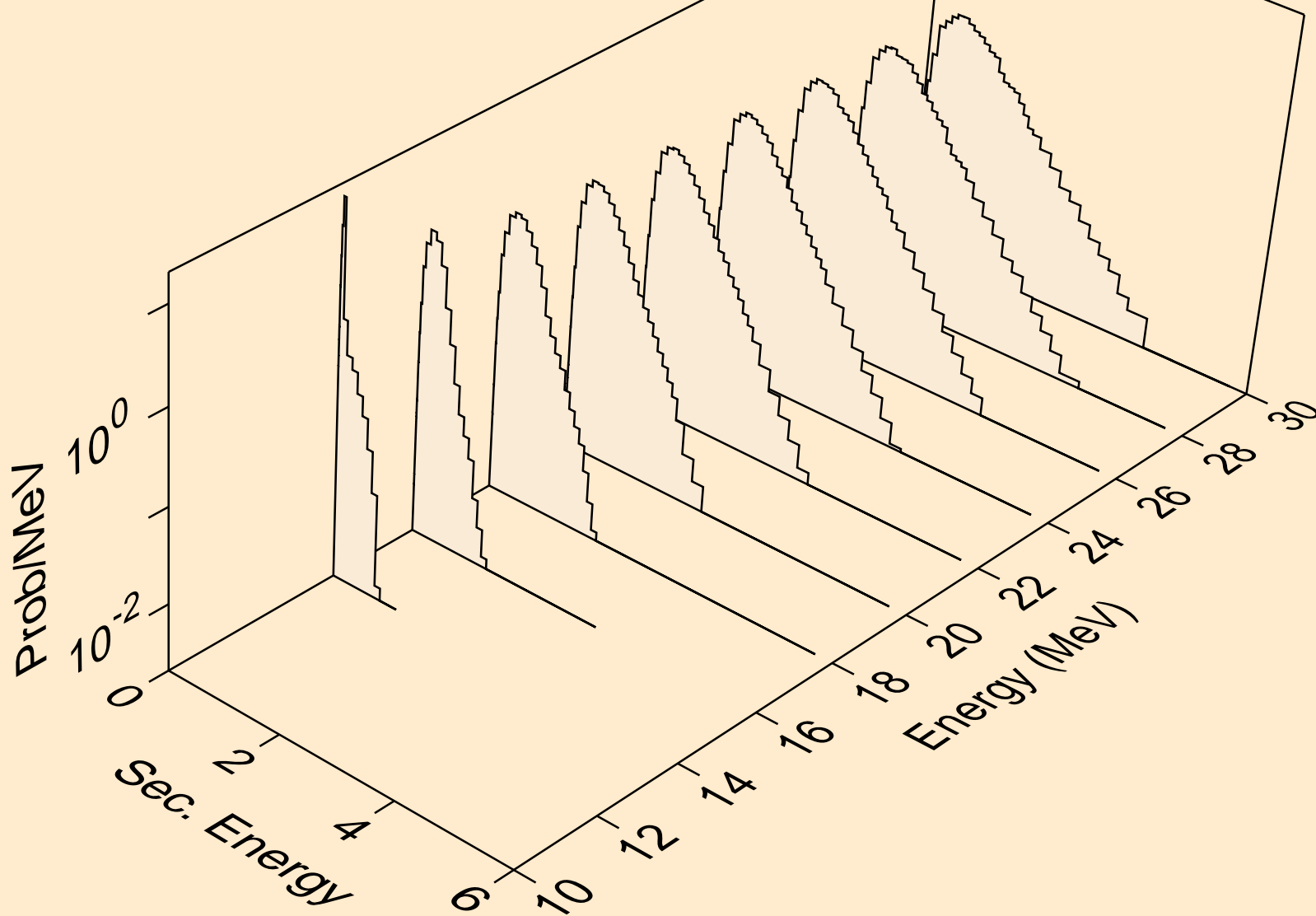
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



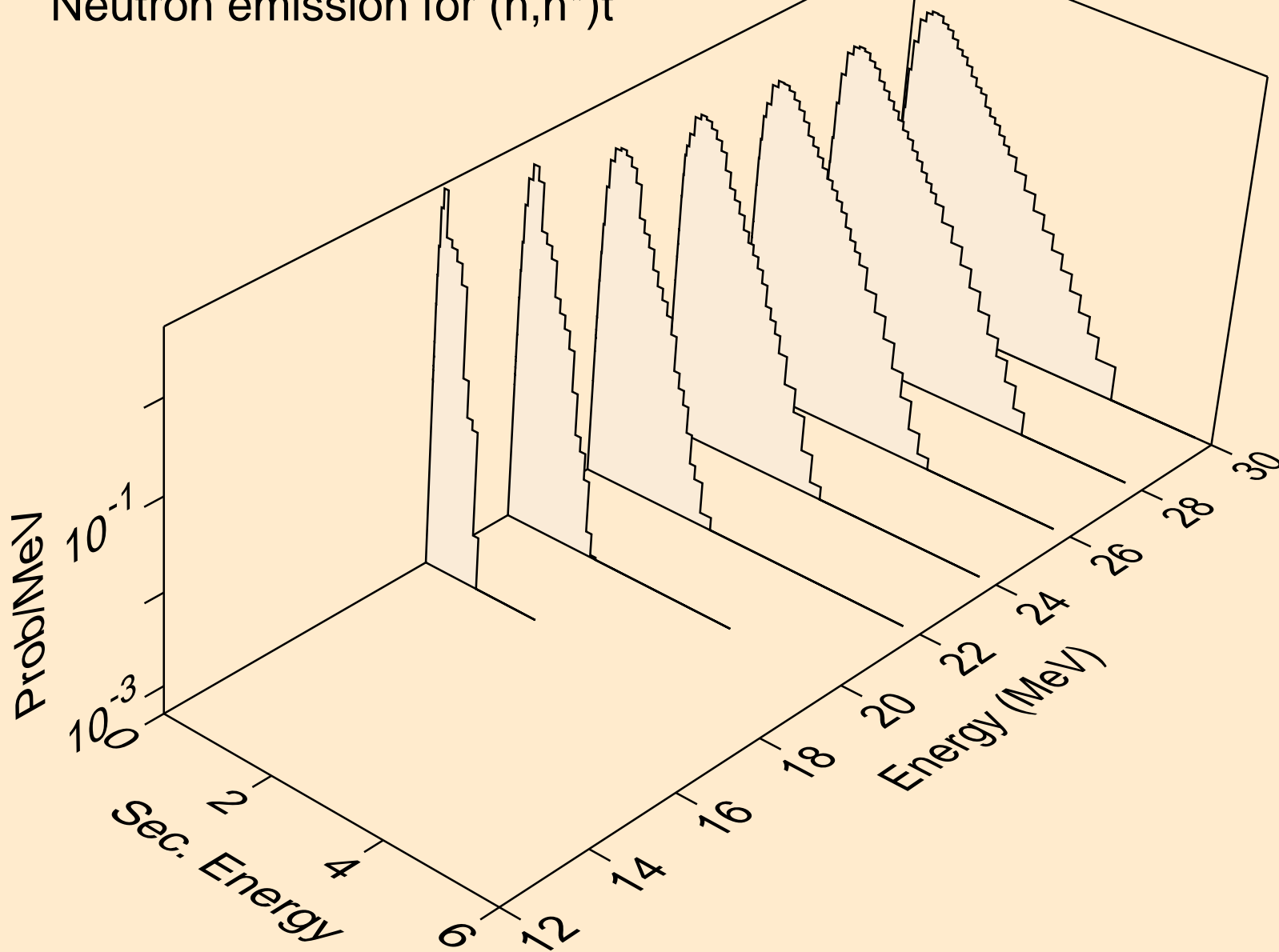
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



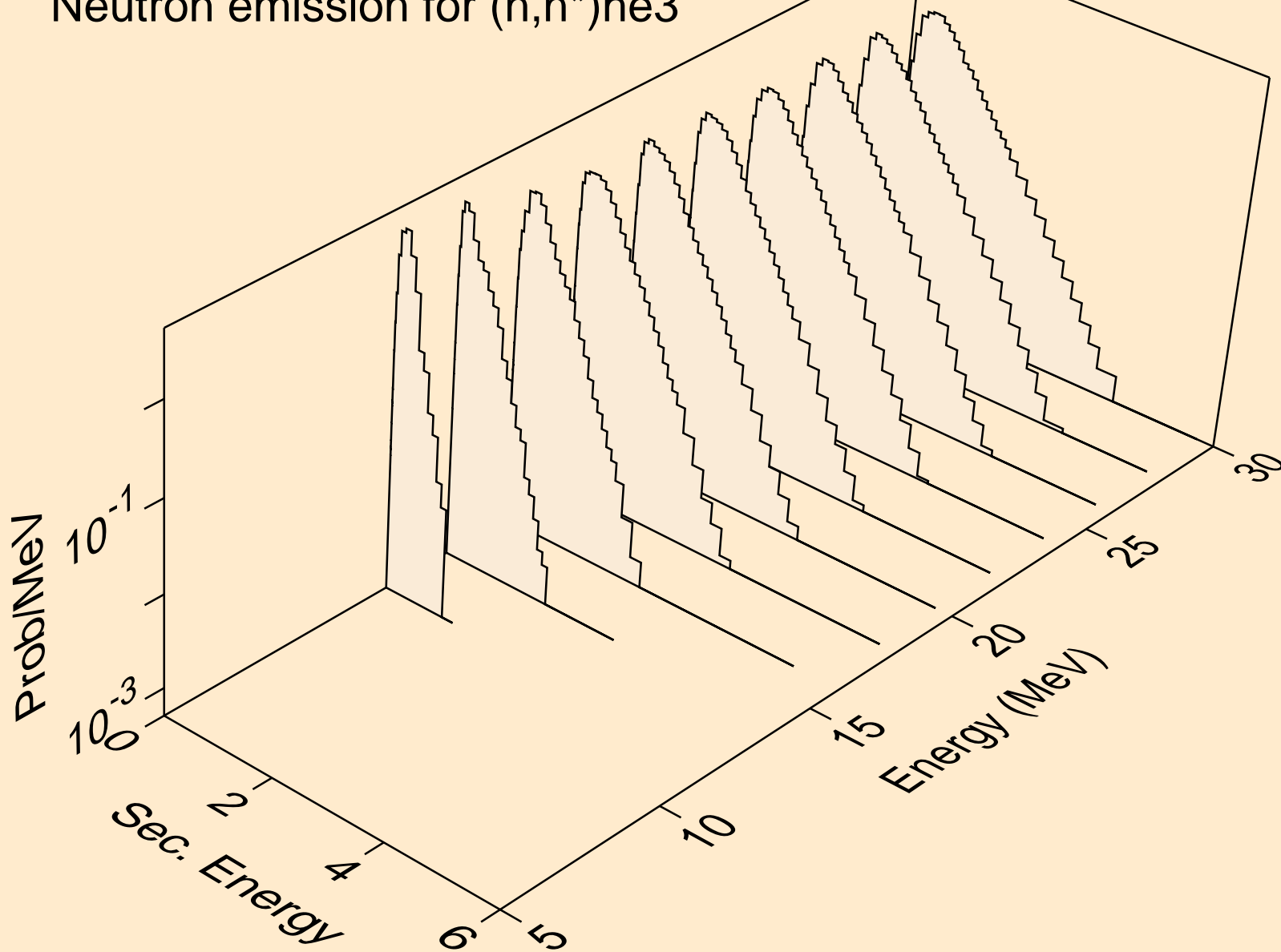
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



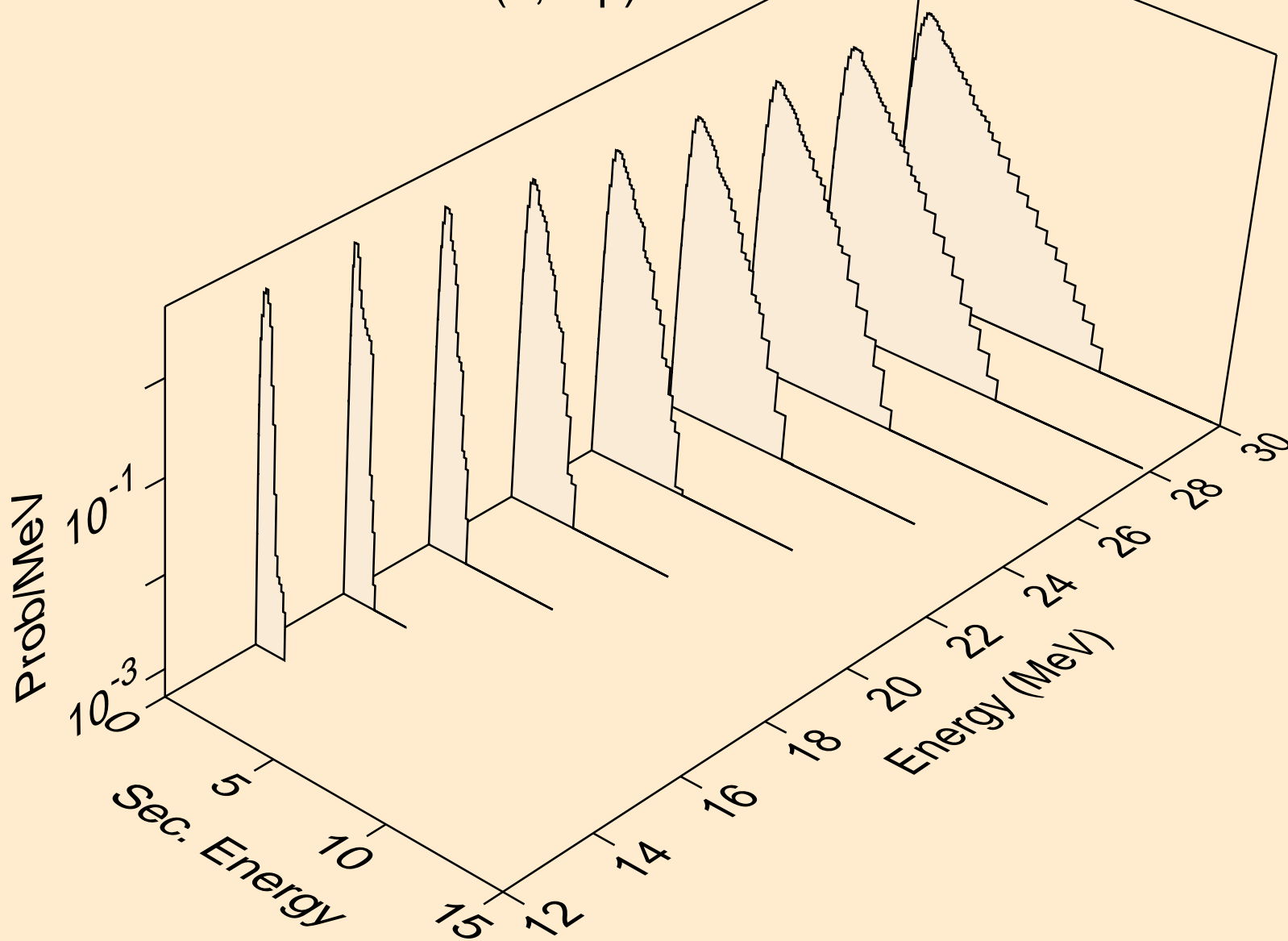
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



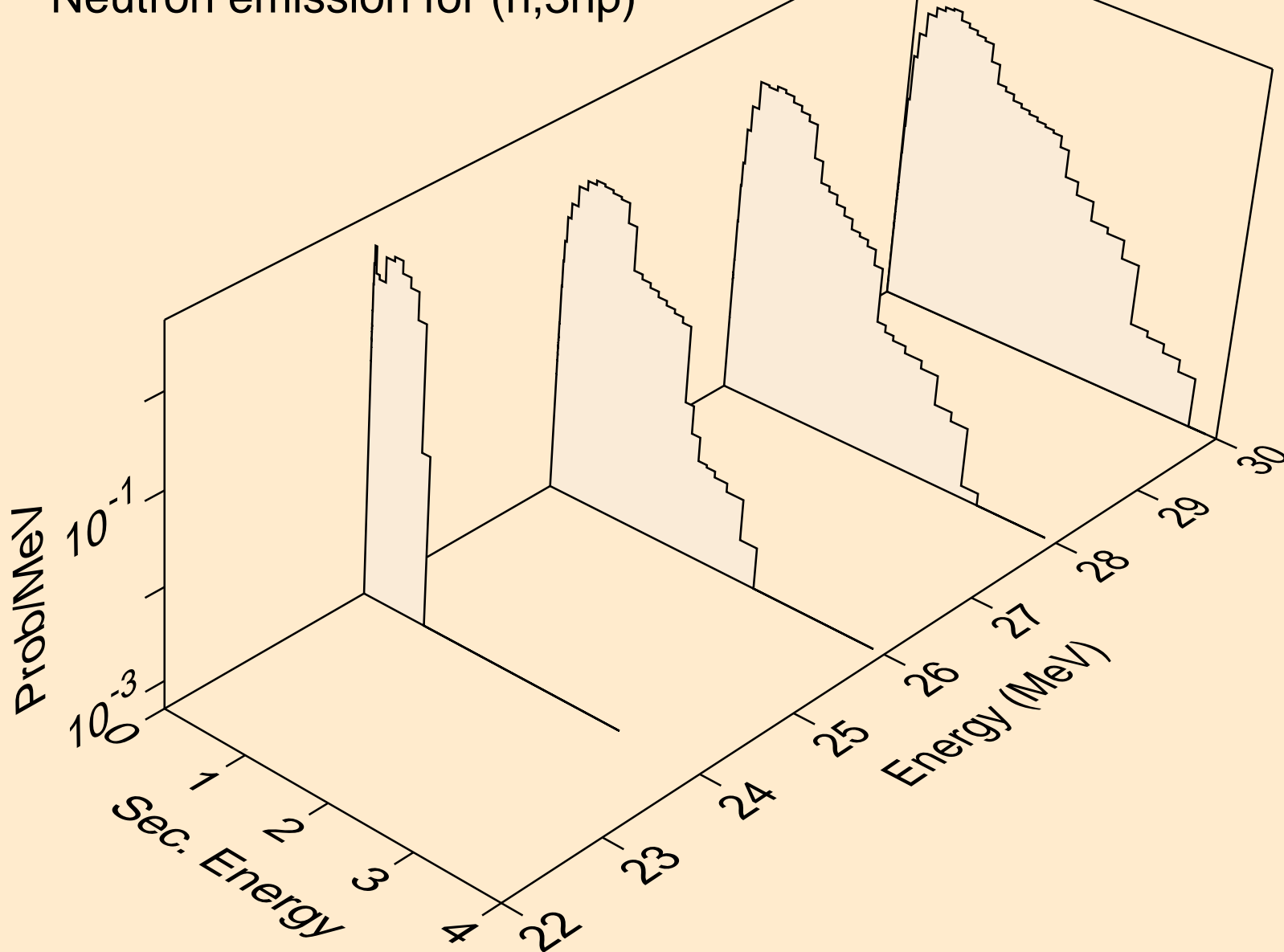
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



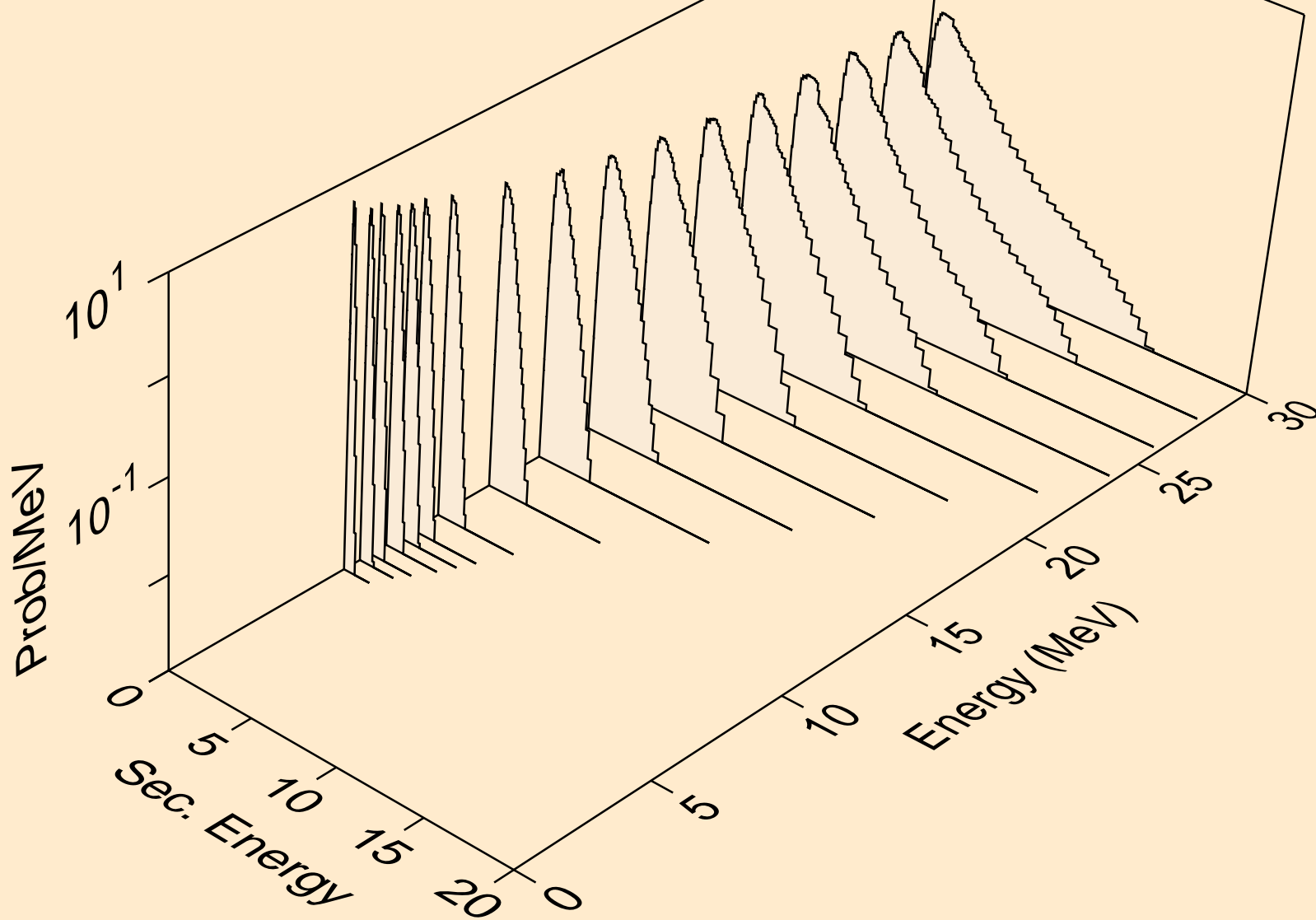
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



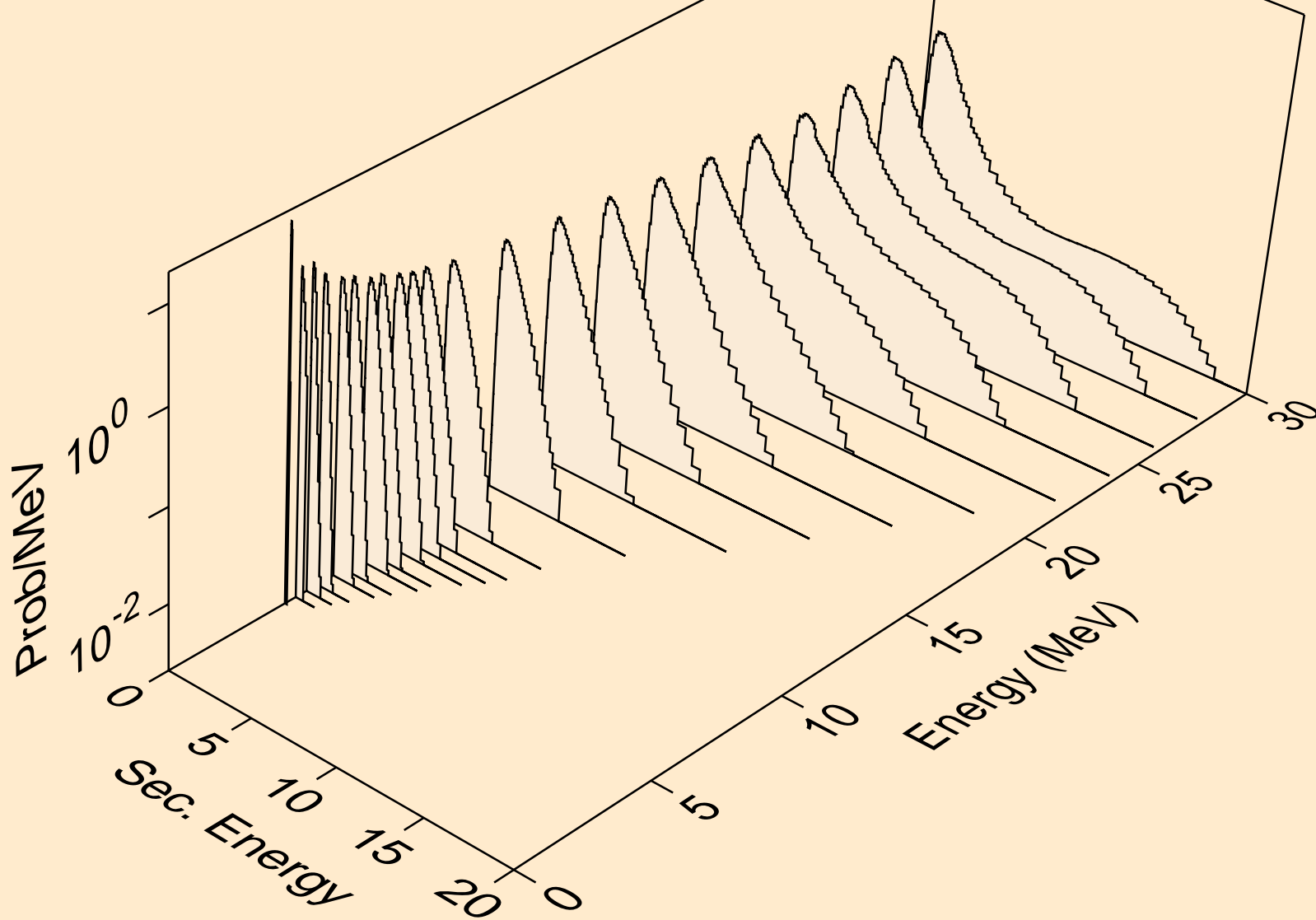
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



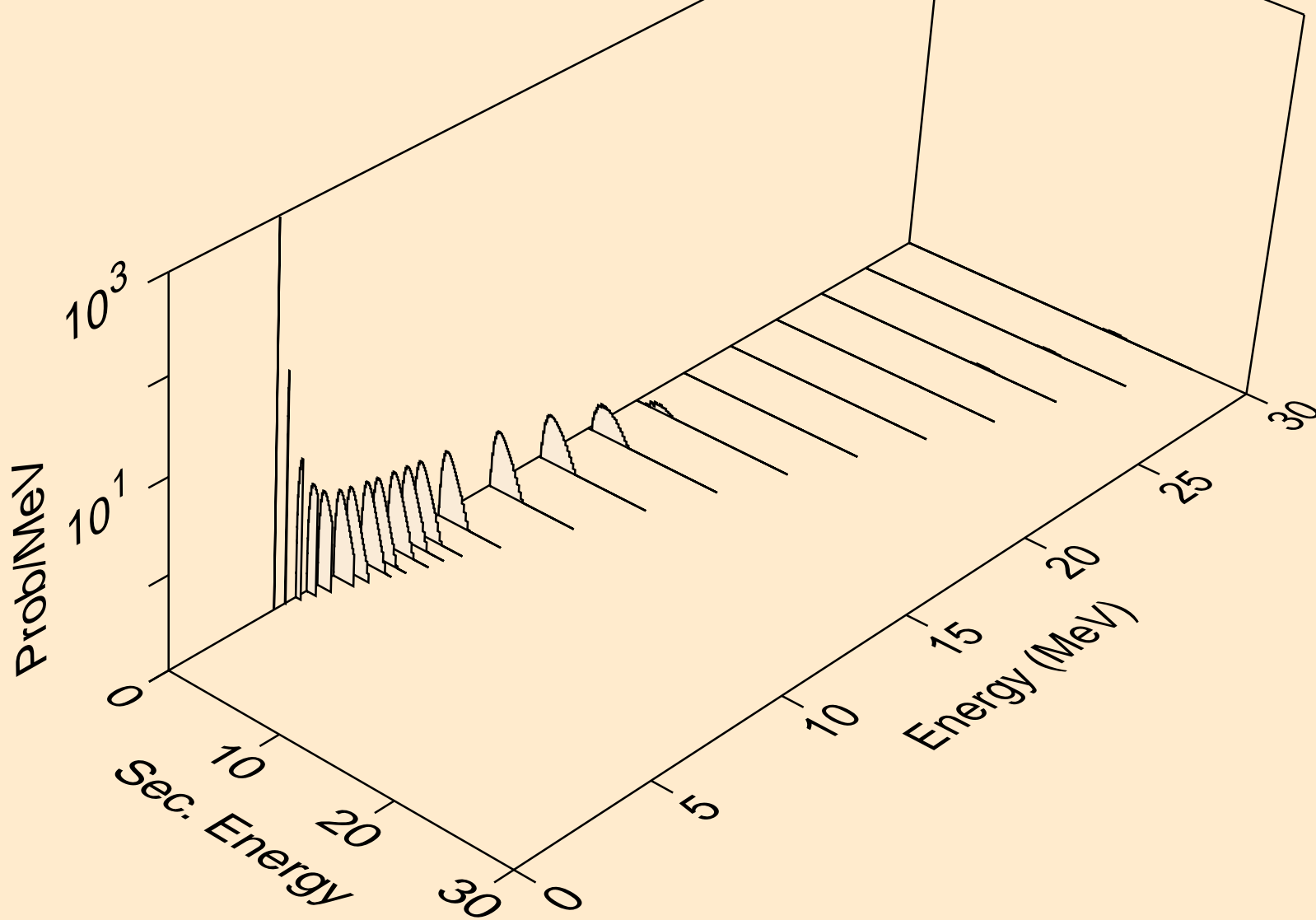
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



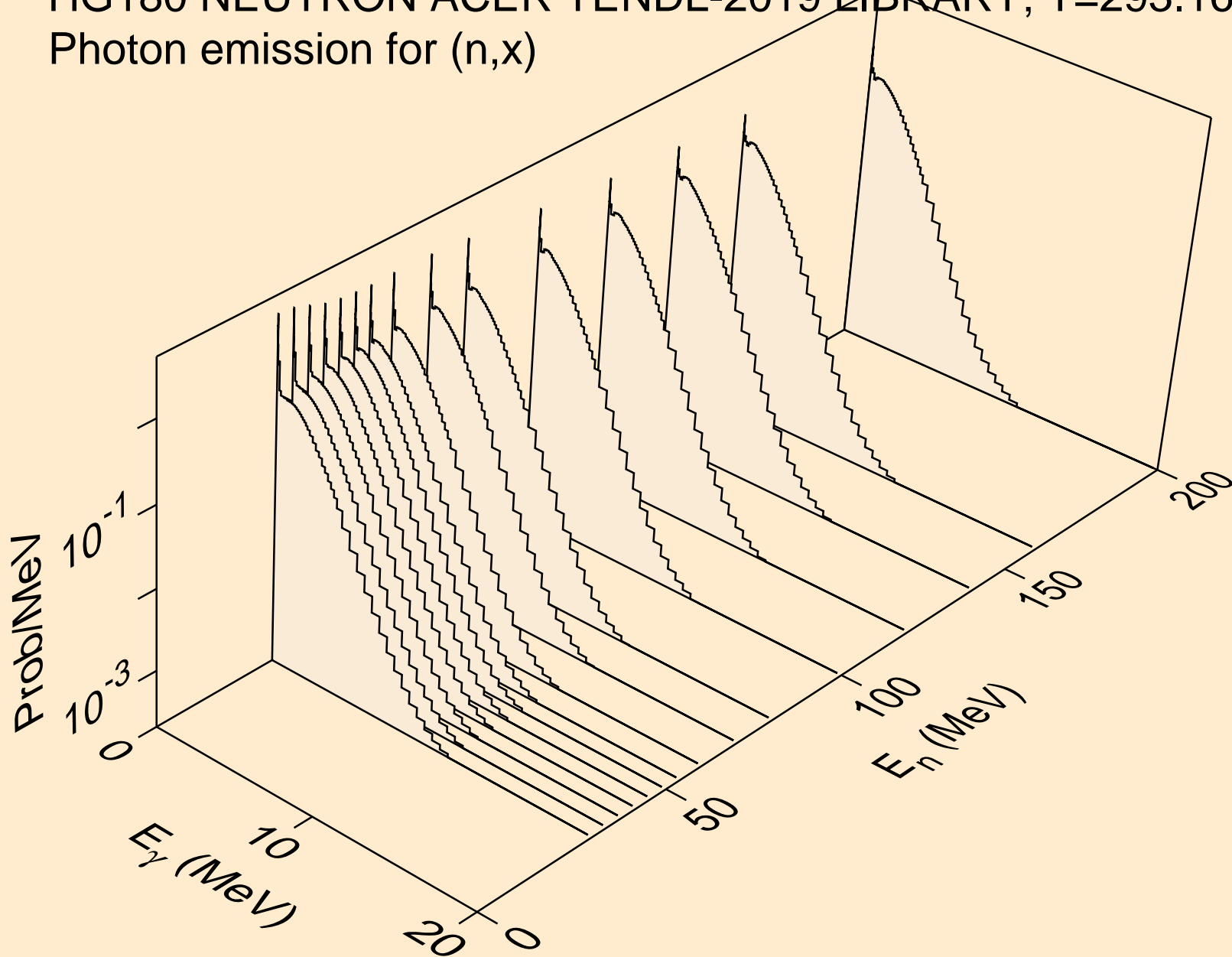
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



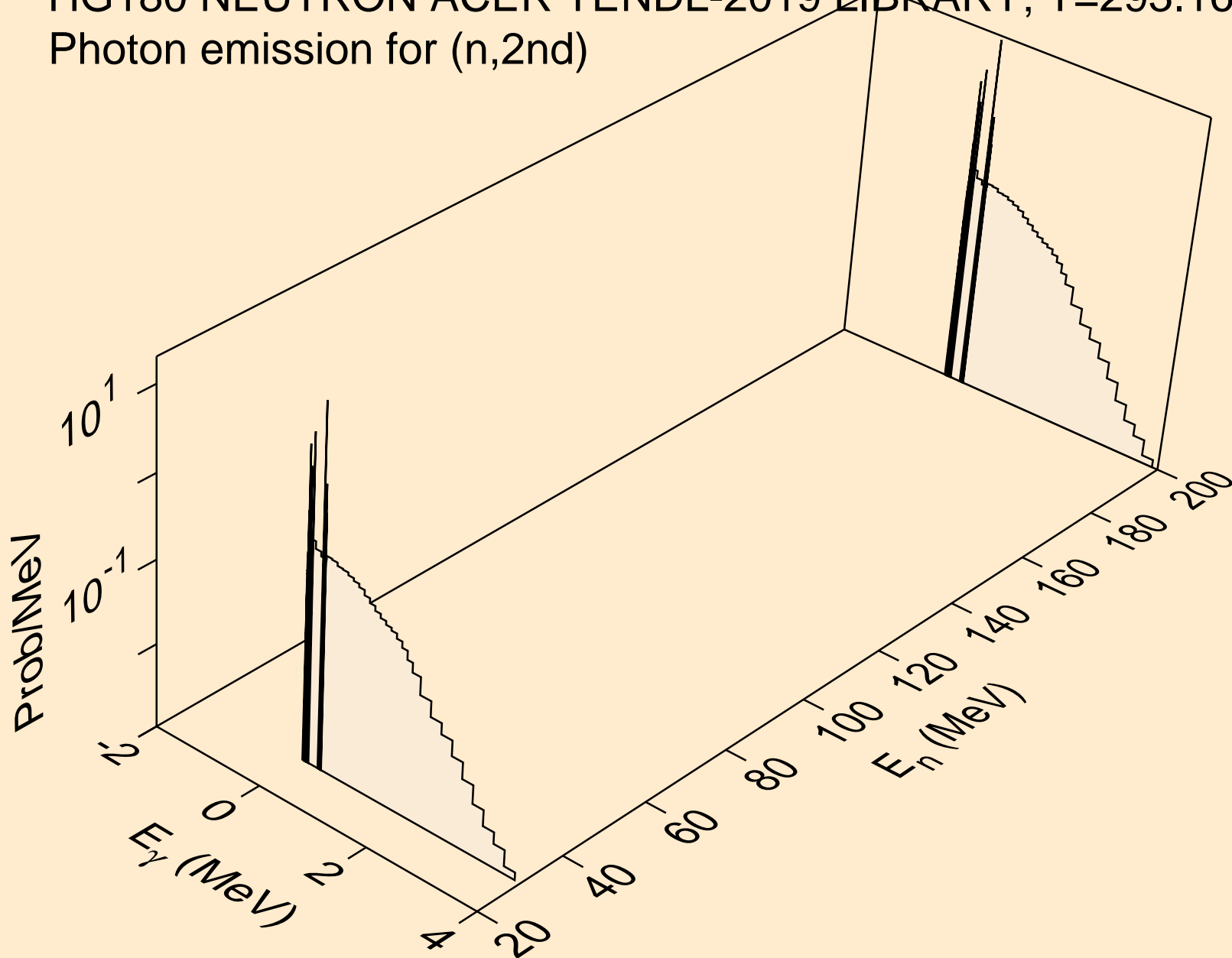
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



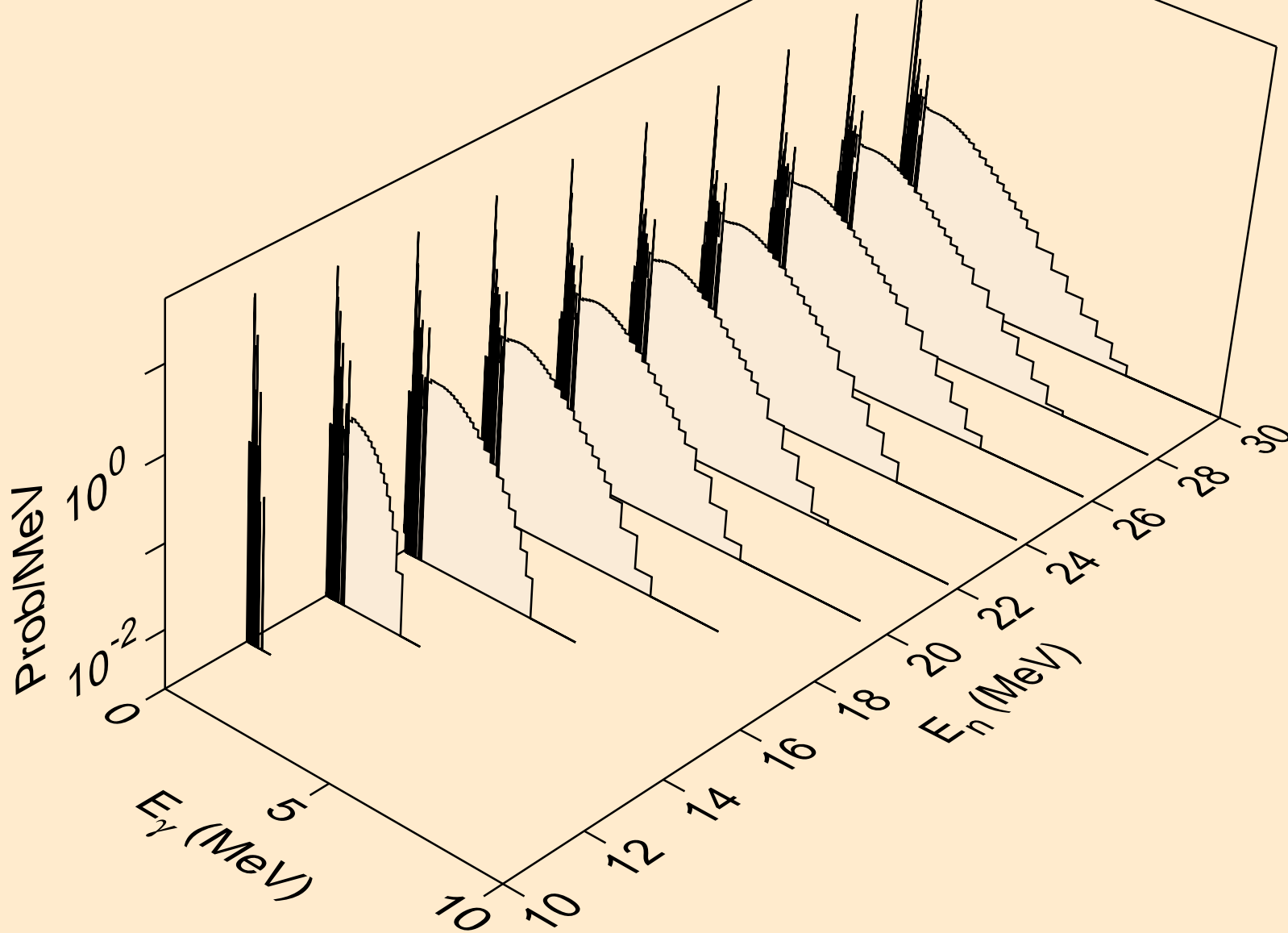
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



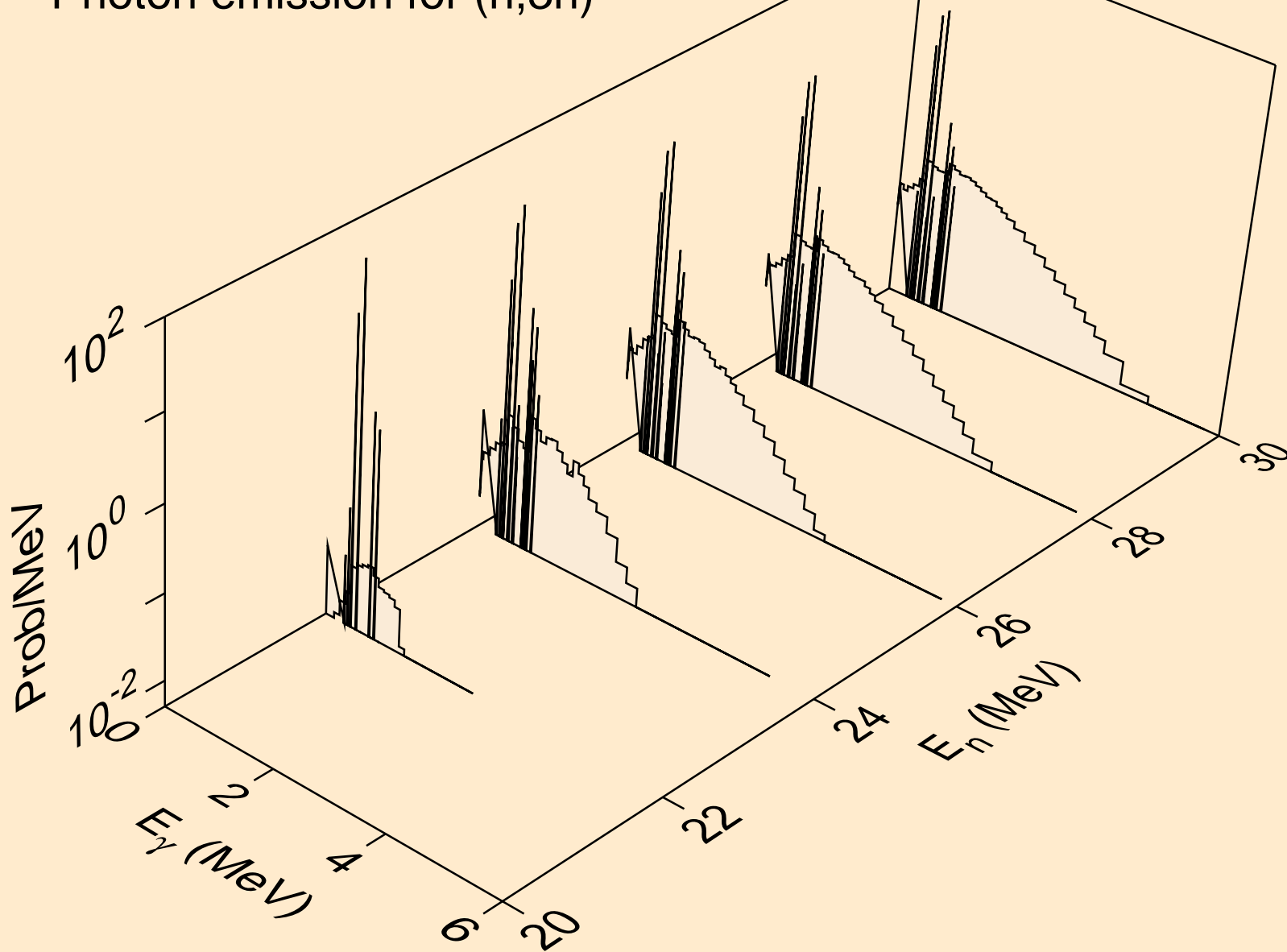
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



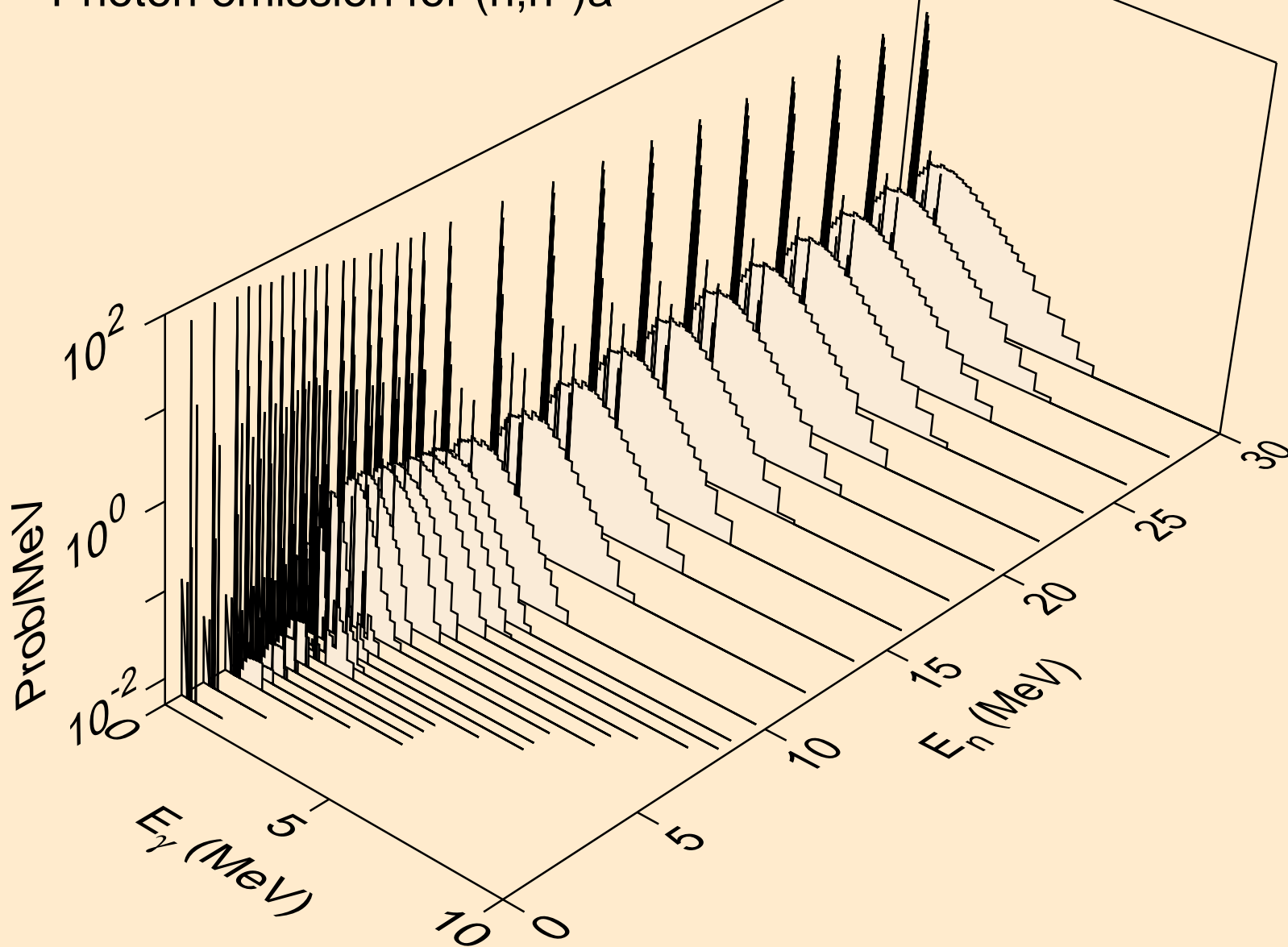
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



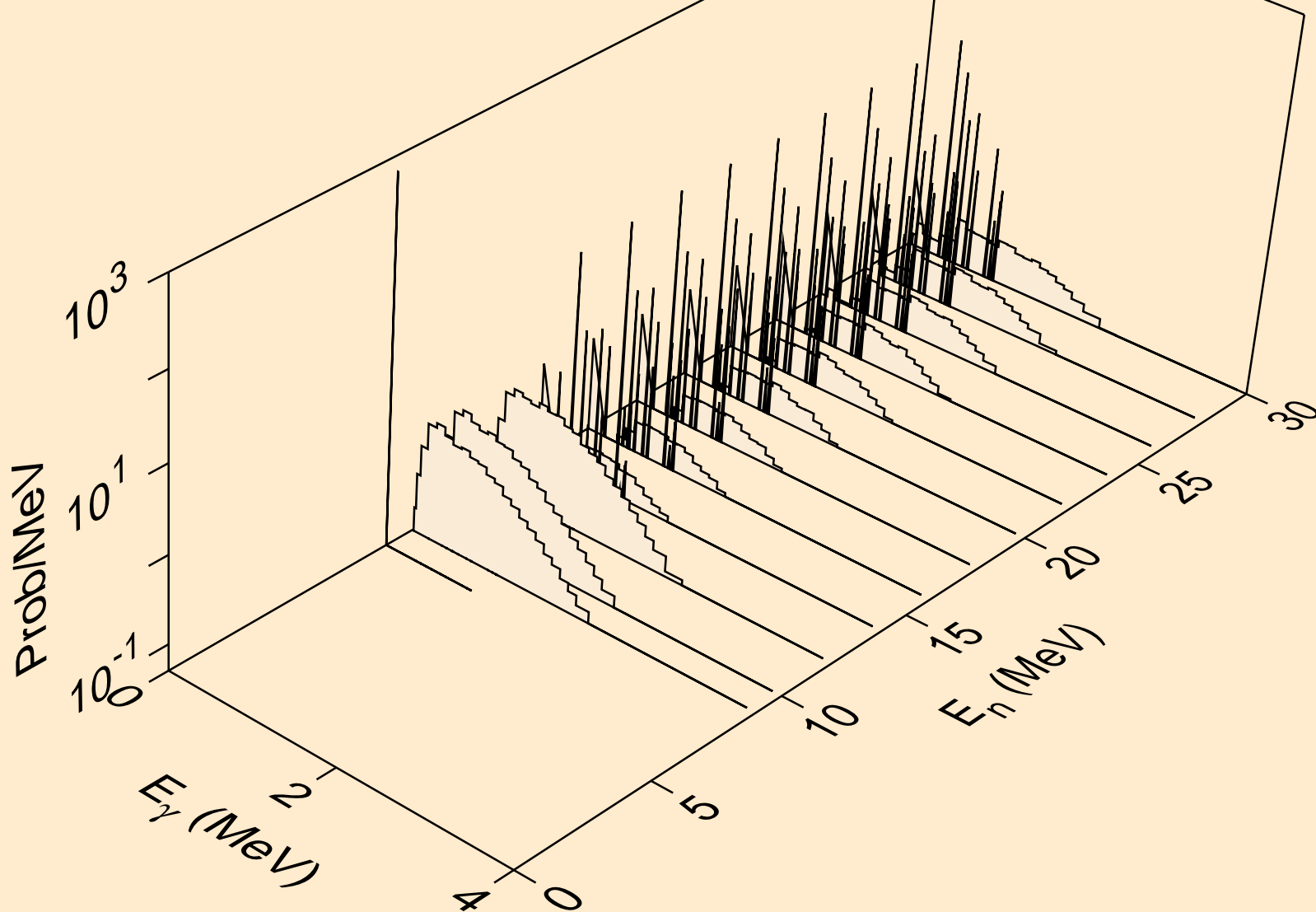
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



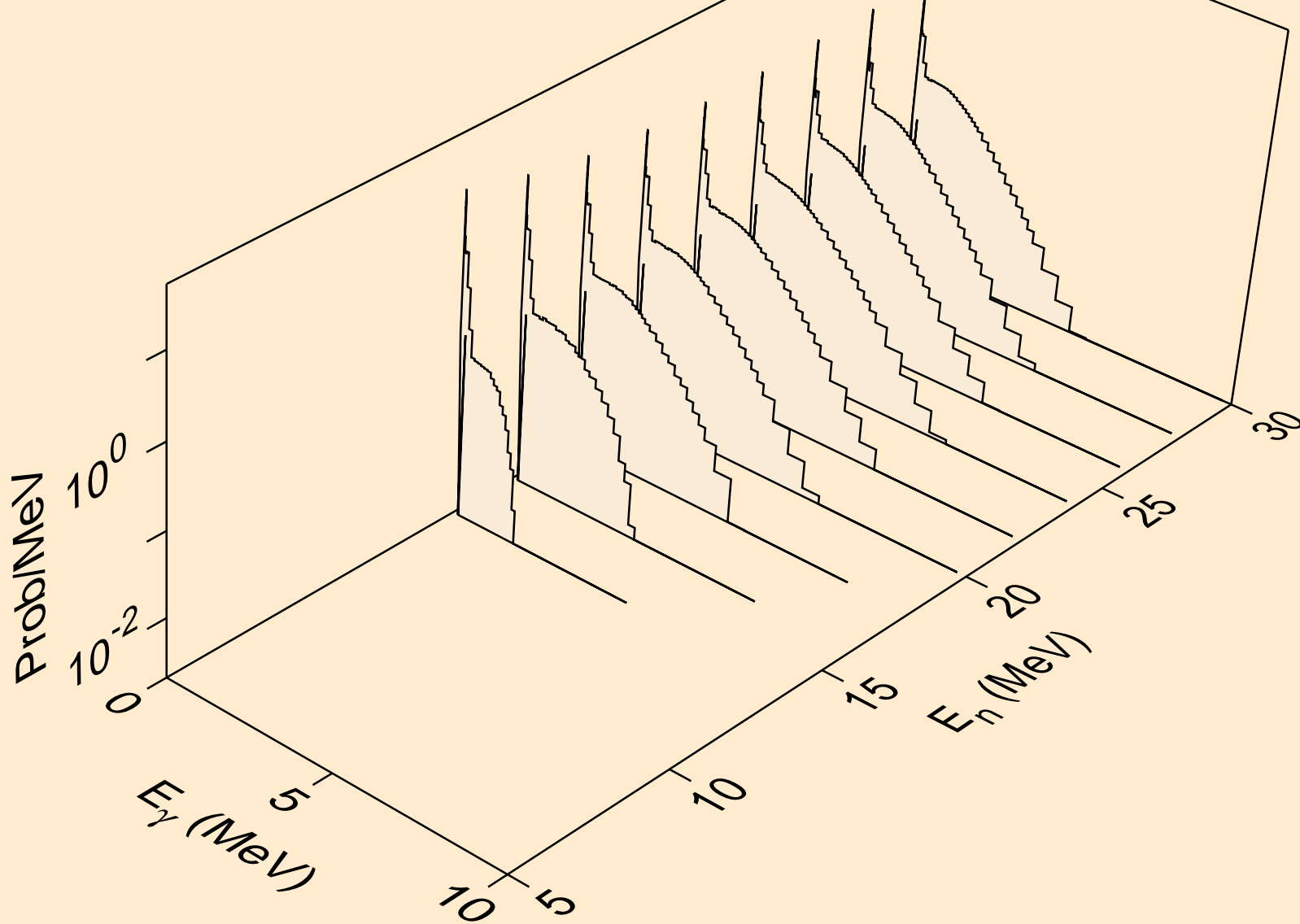
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



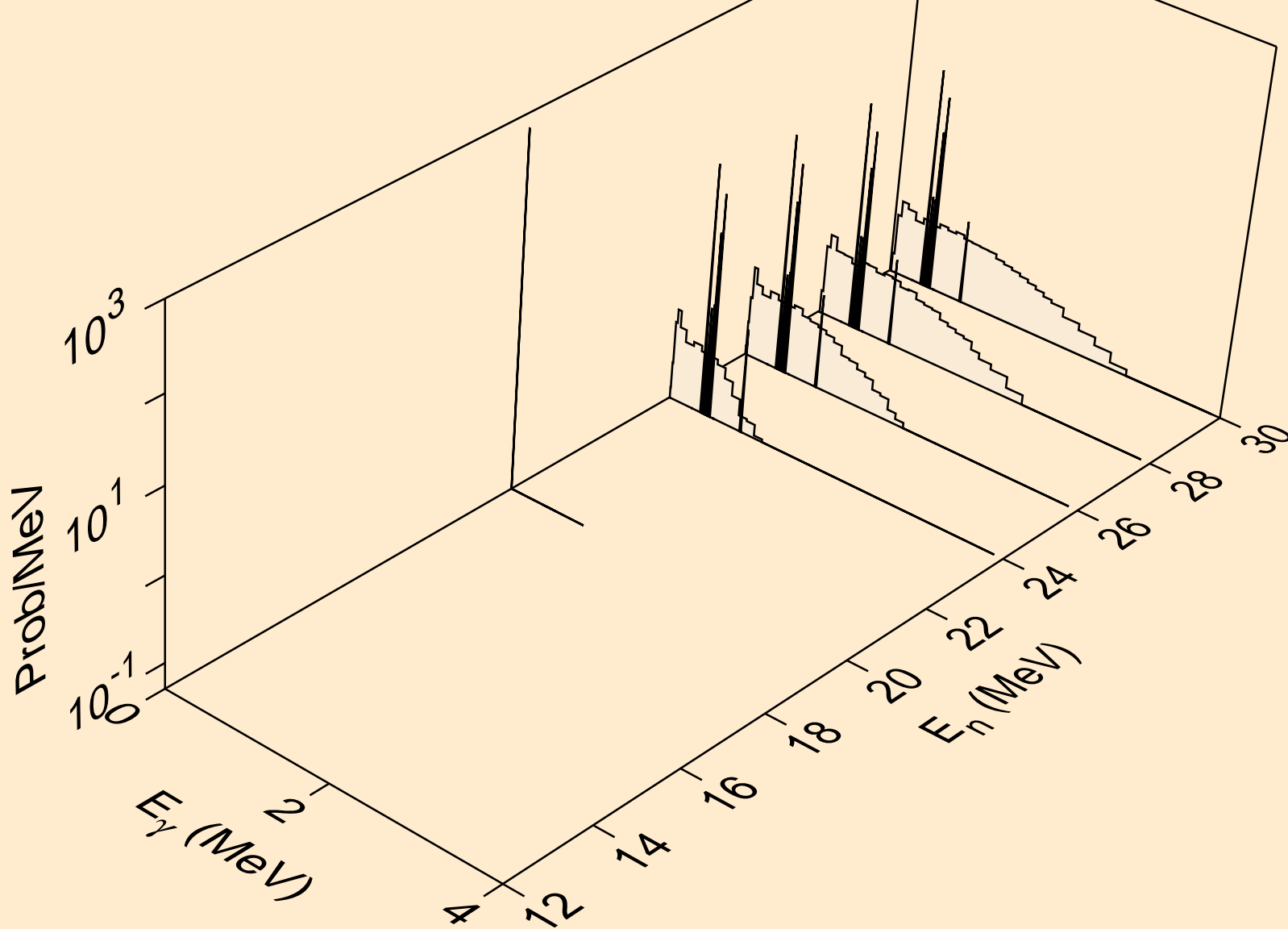
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)3a



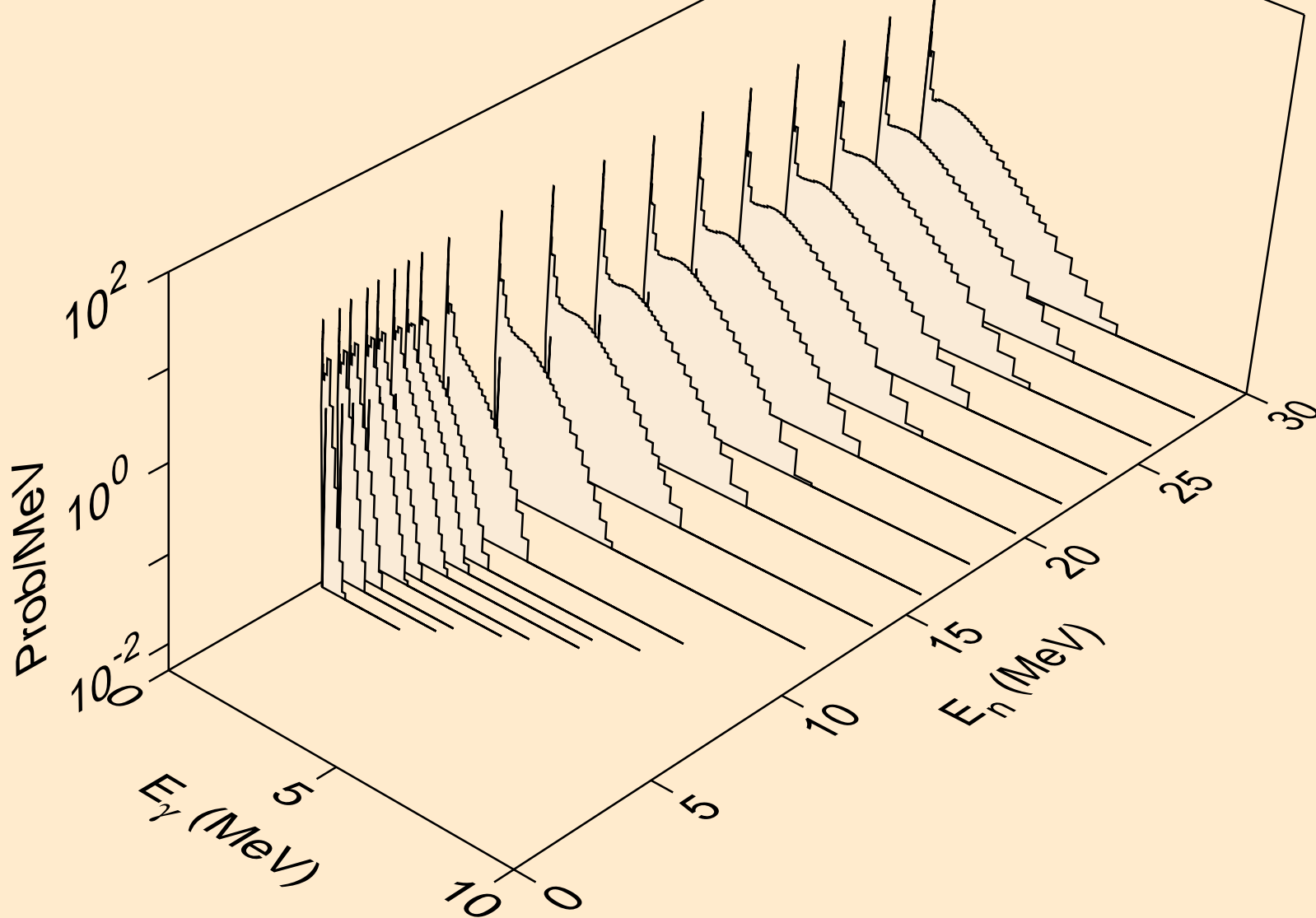
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



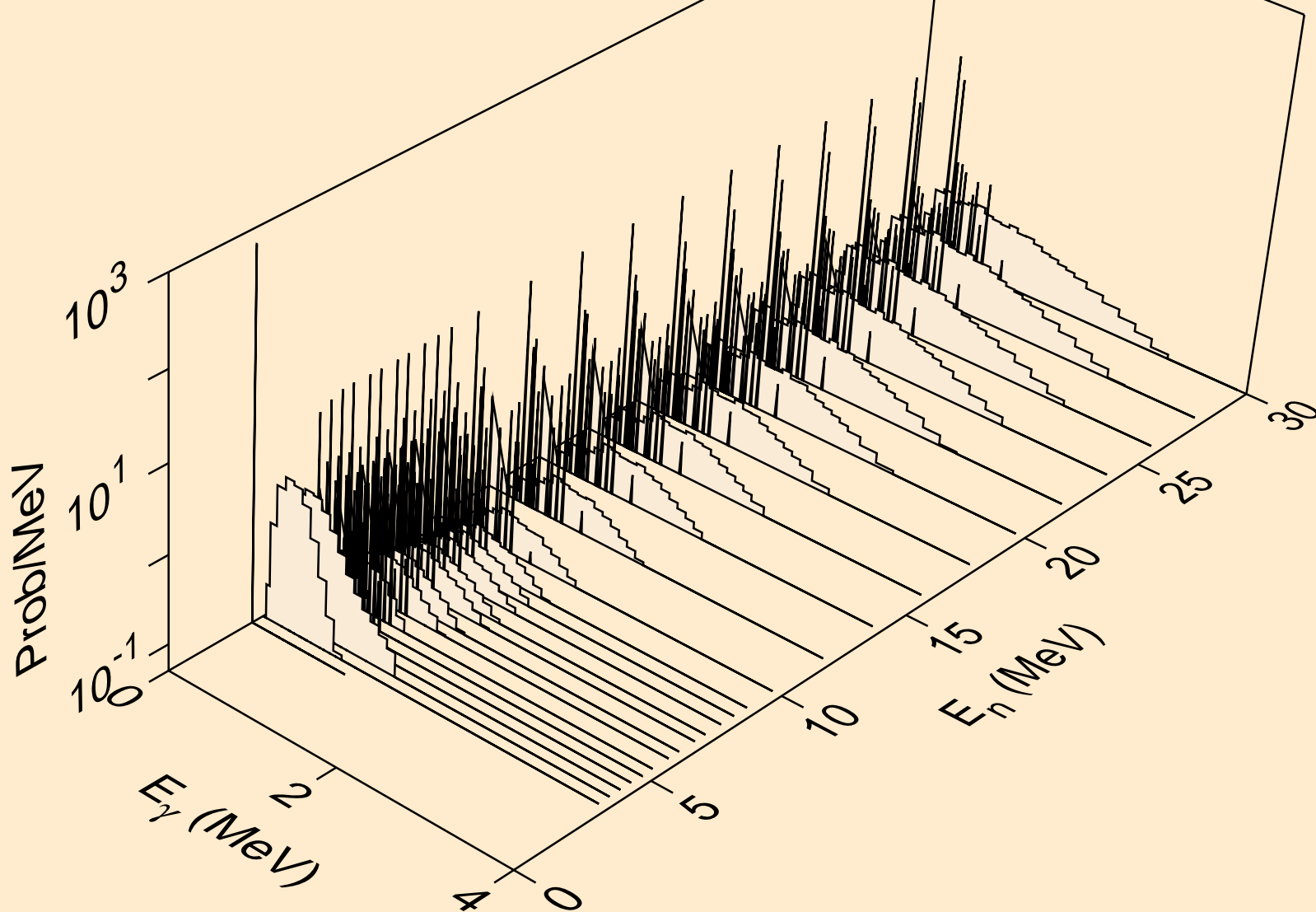
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



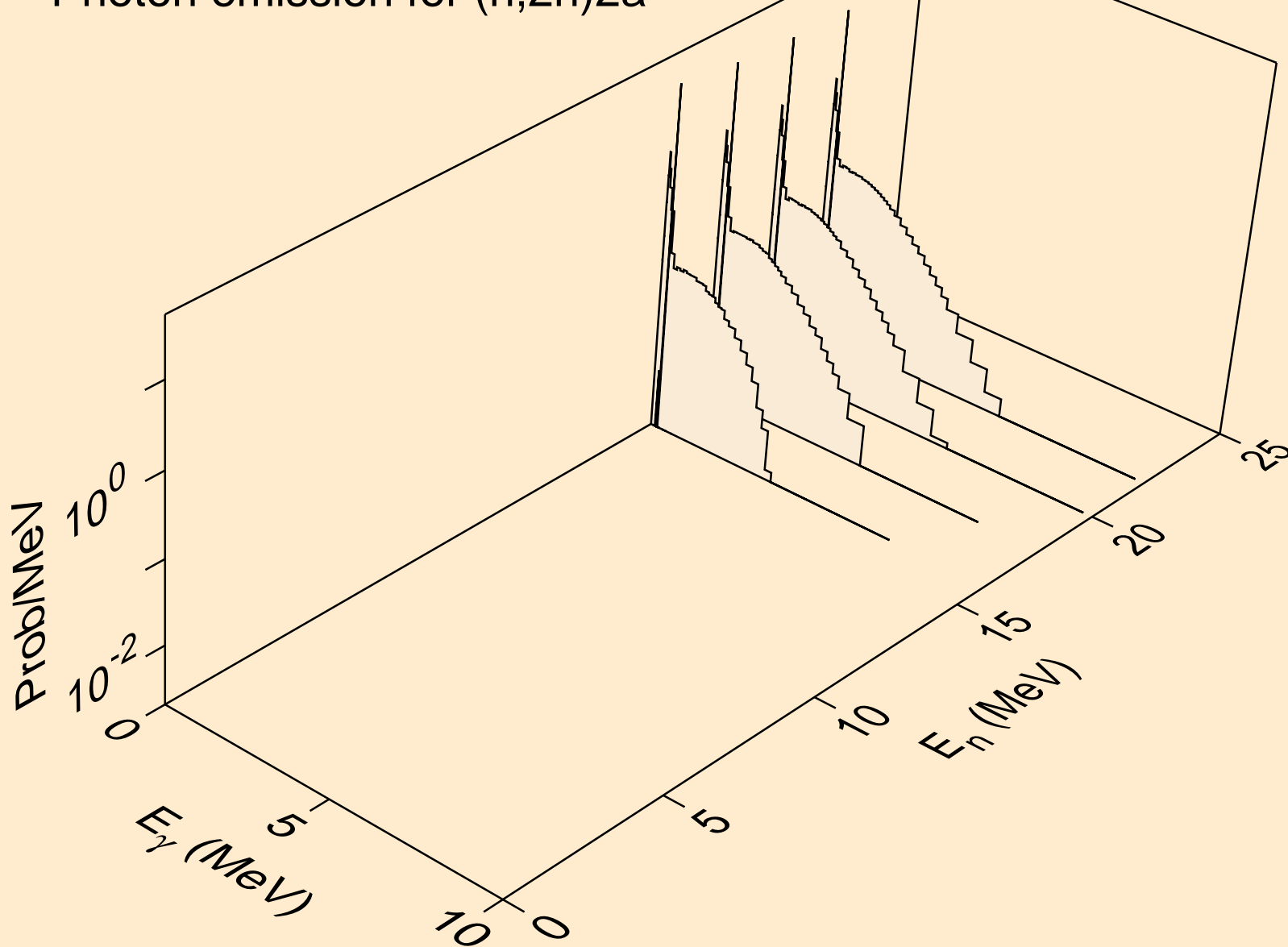
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



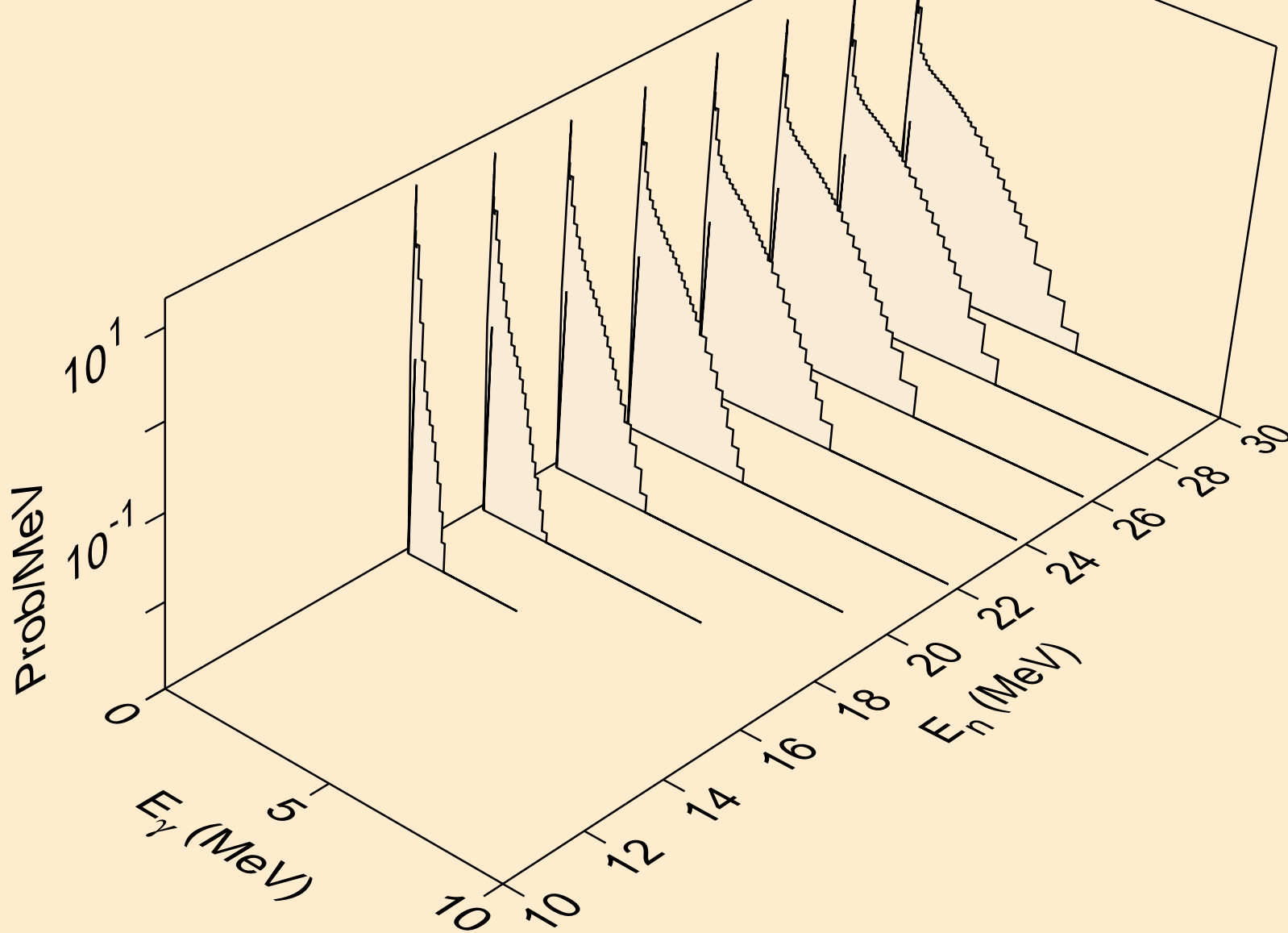
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



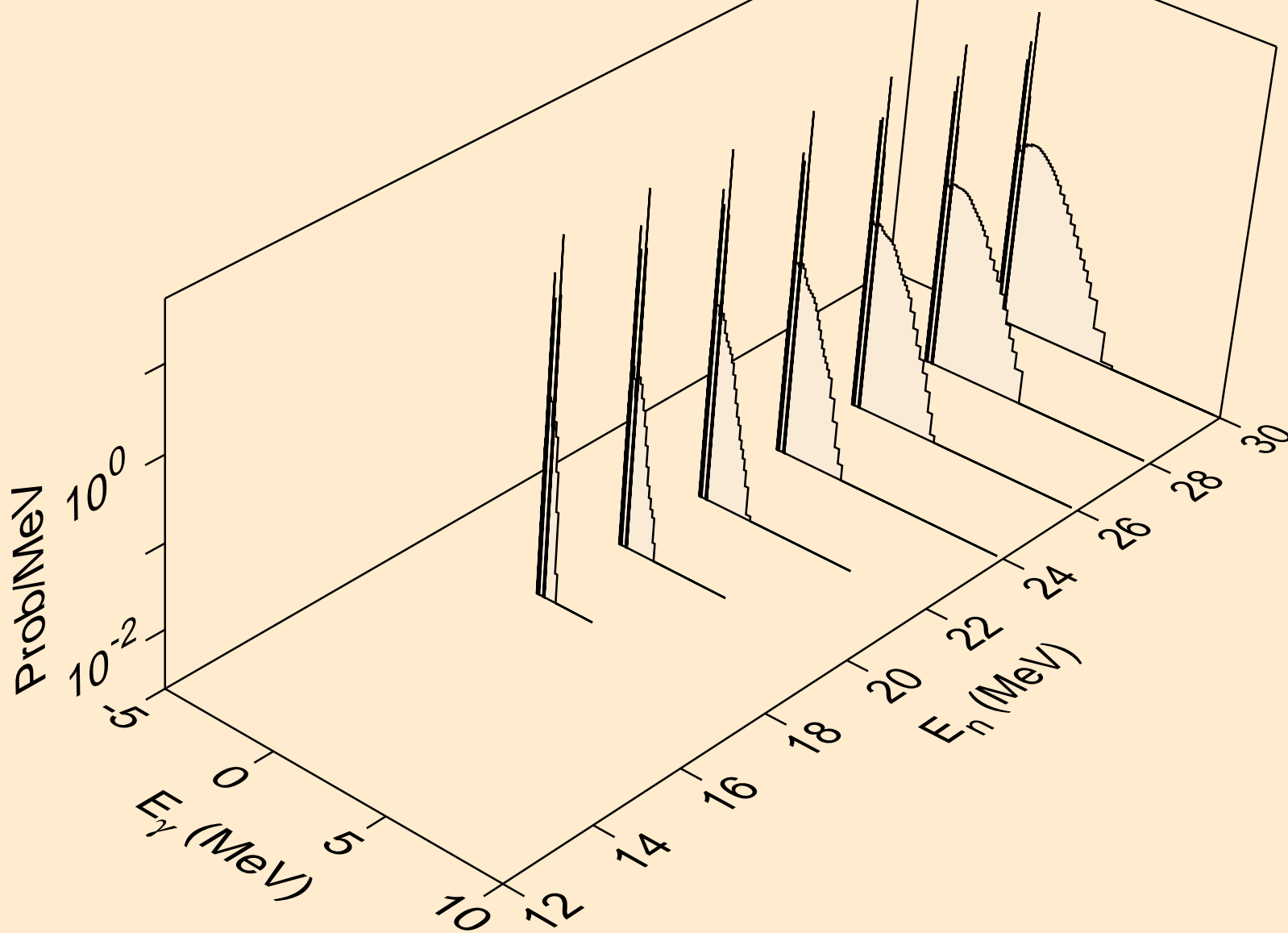
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



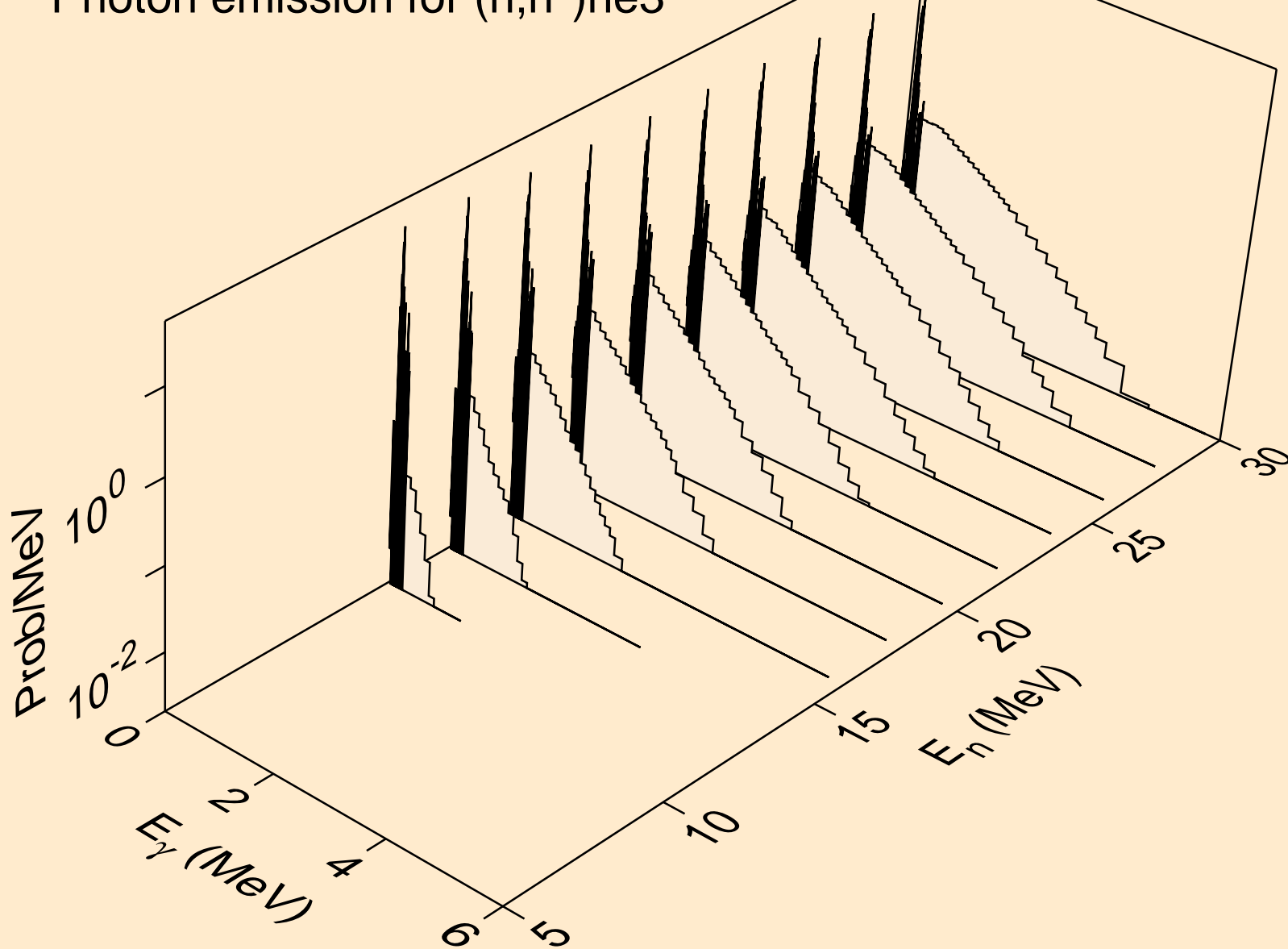
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



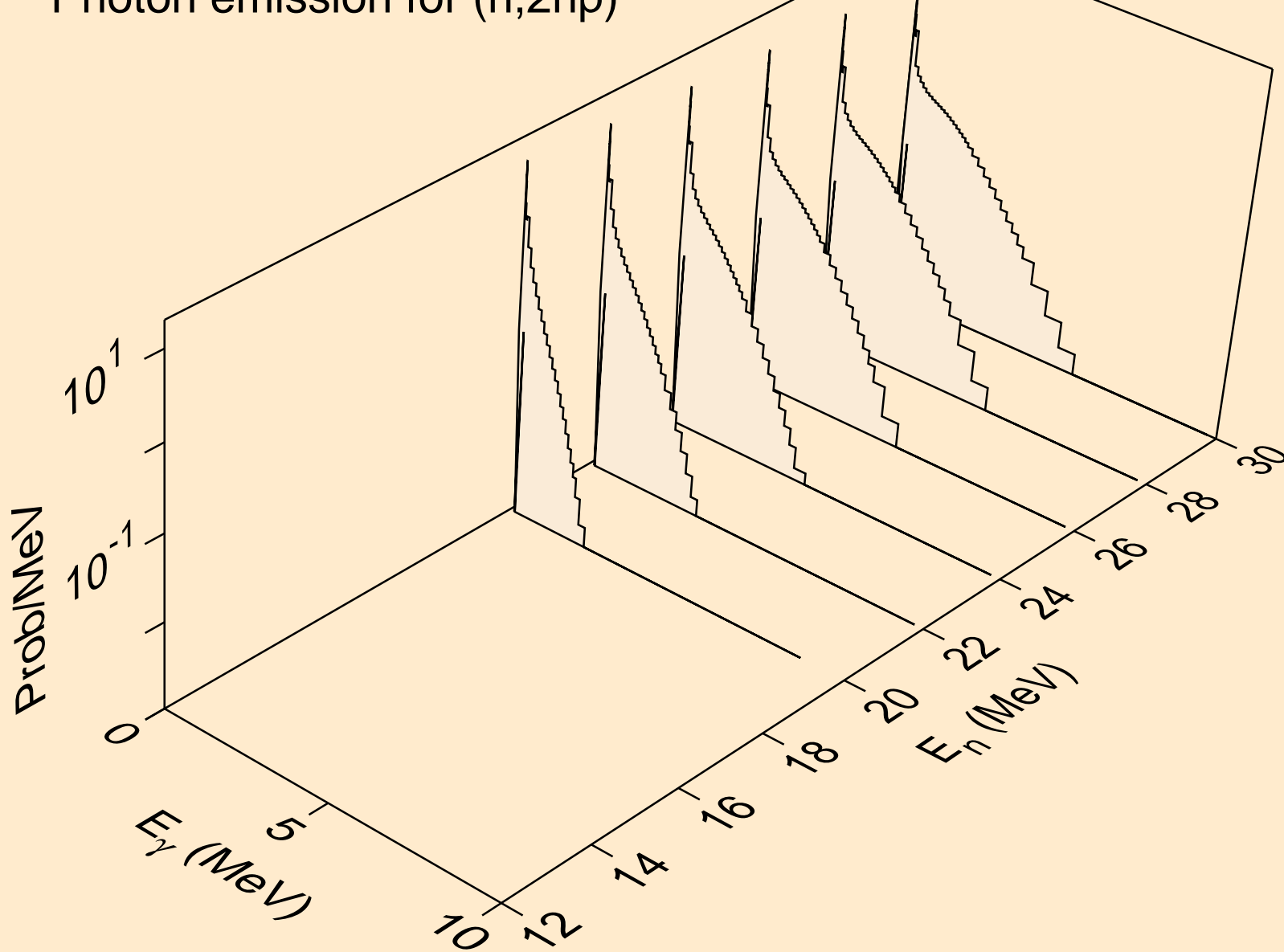
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



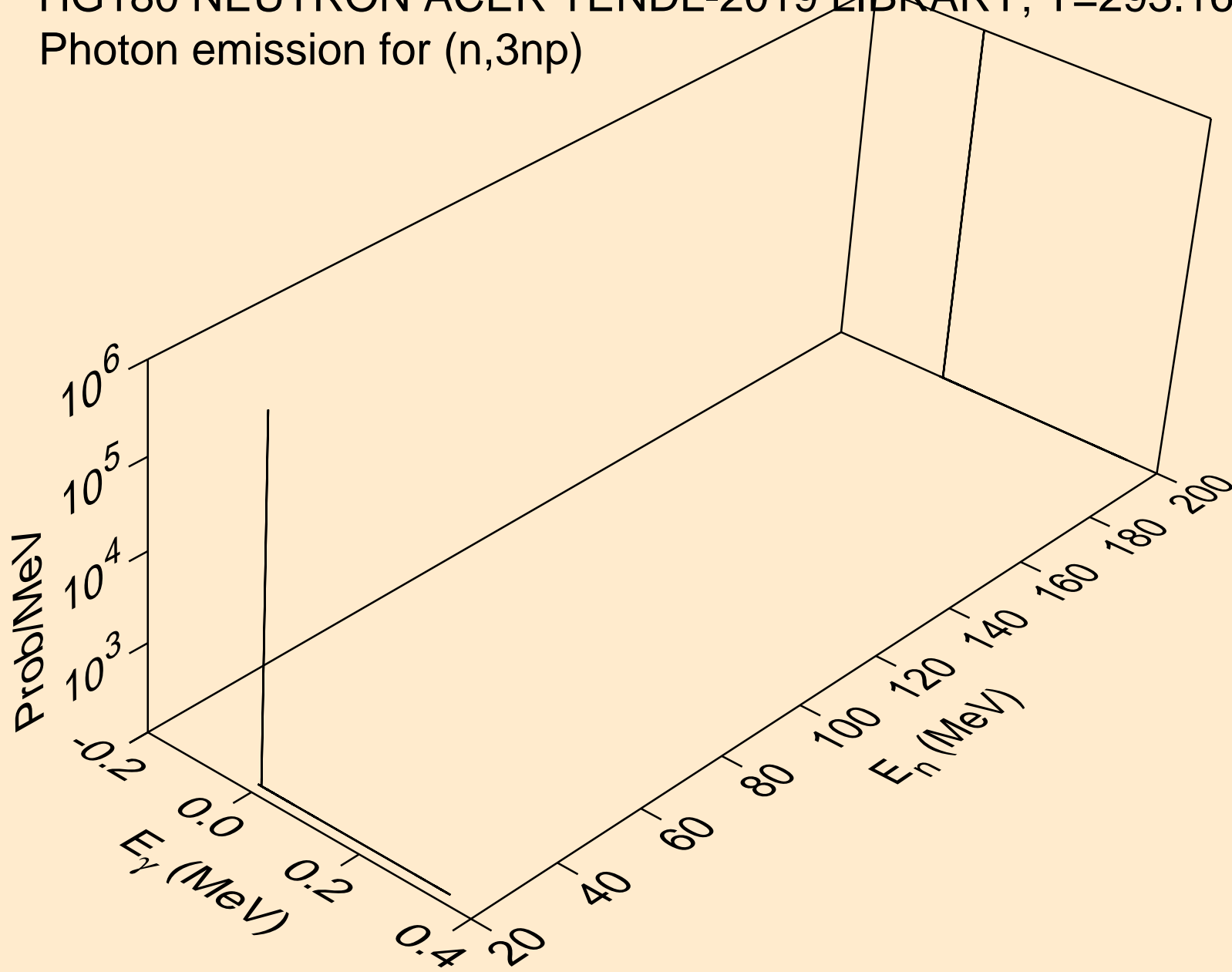
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



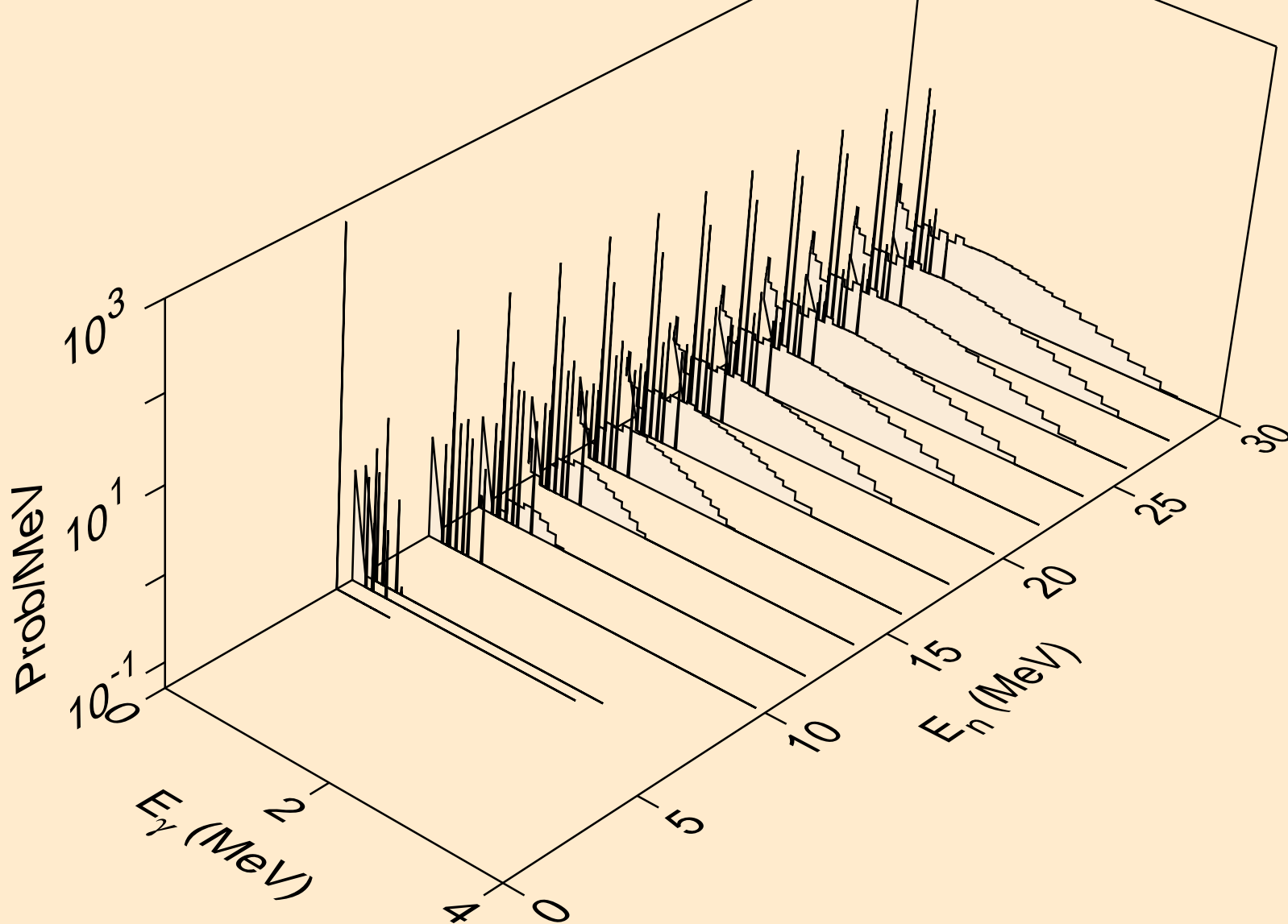
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



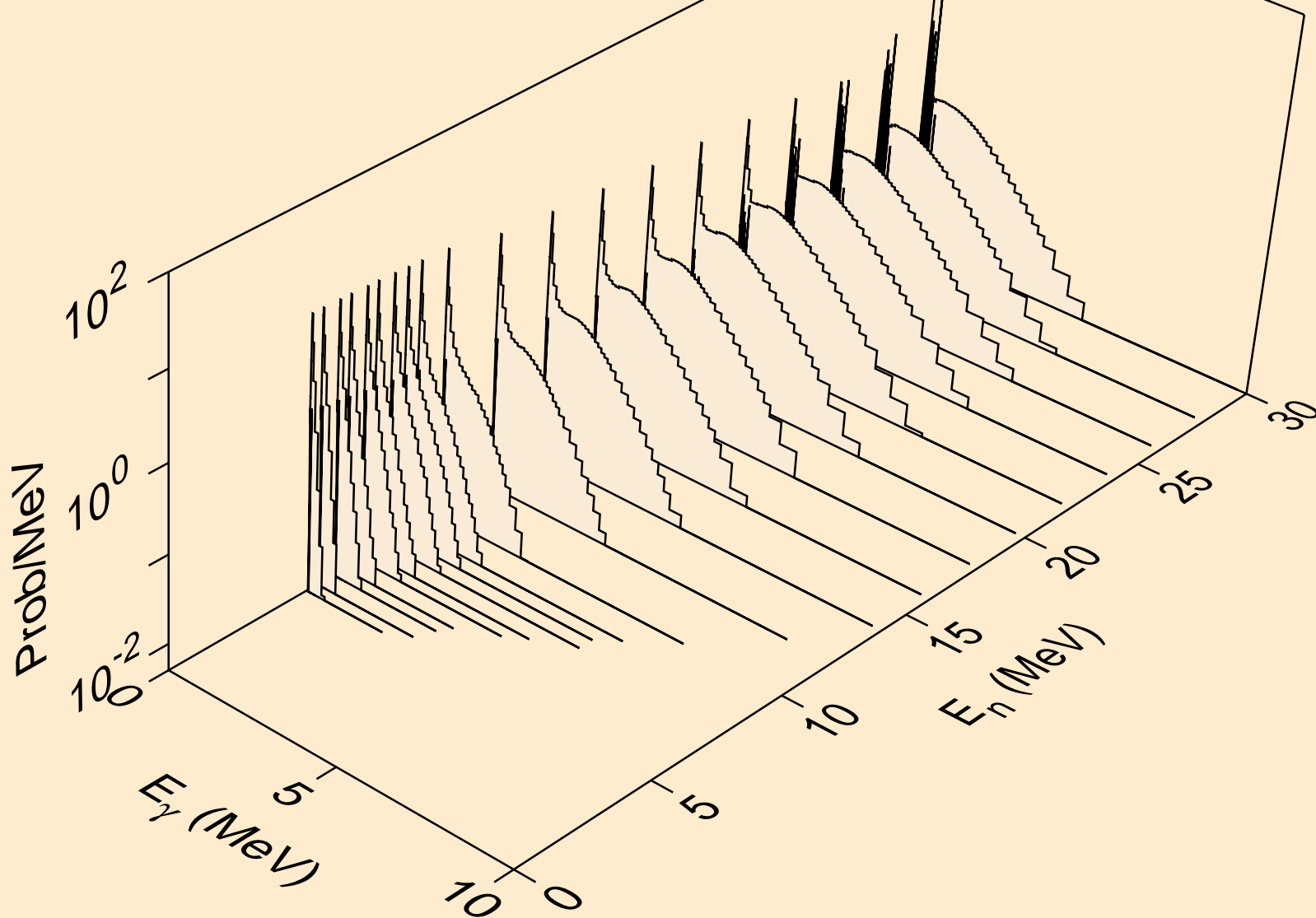
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



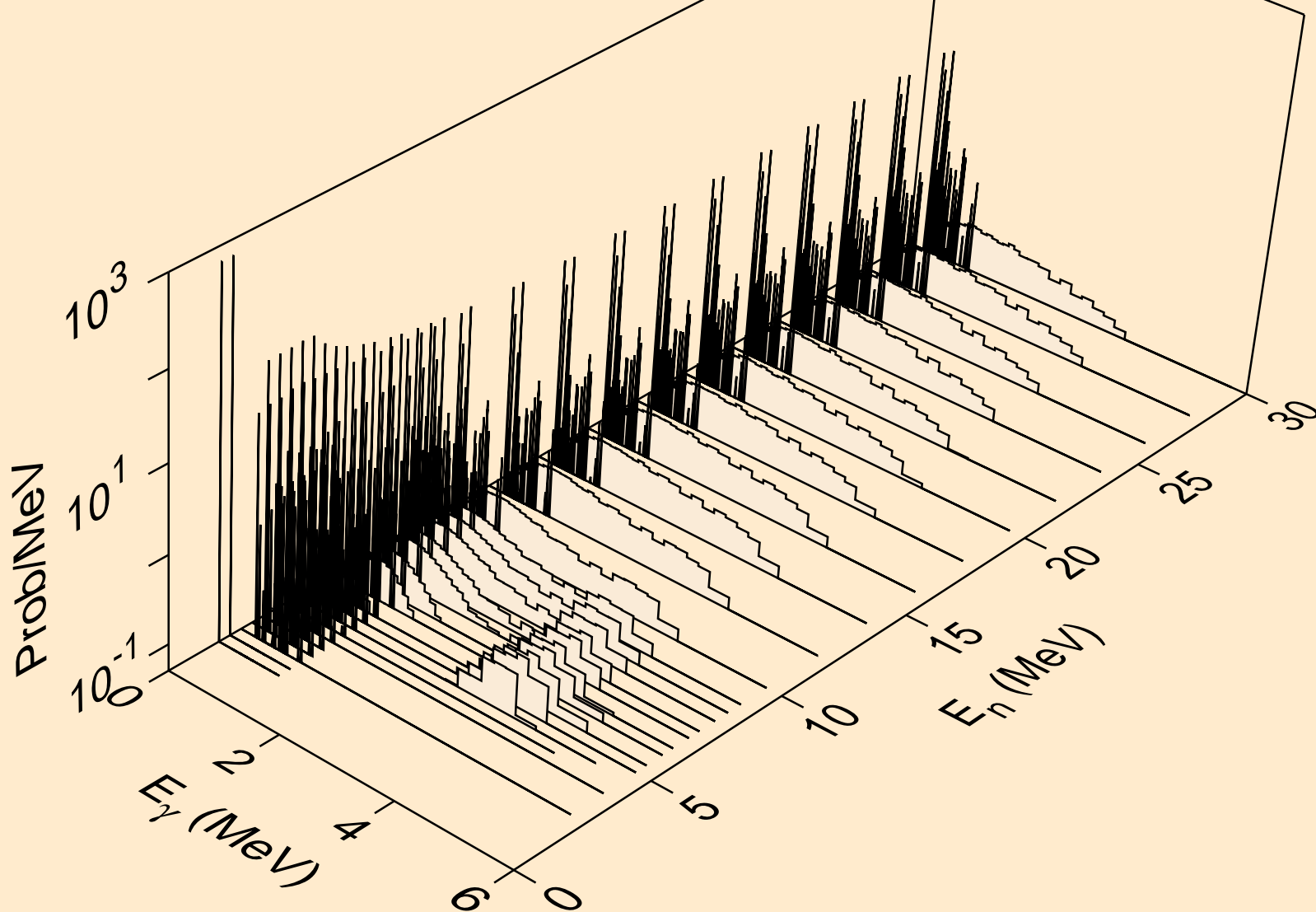
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



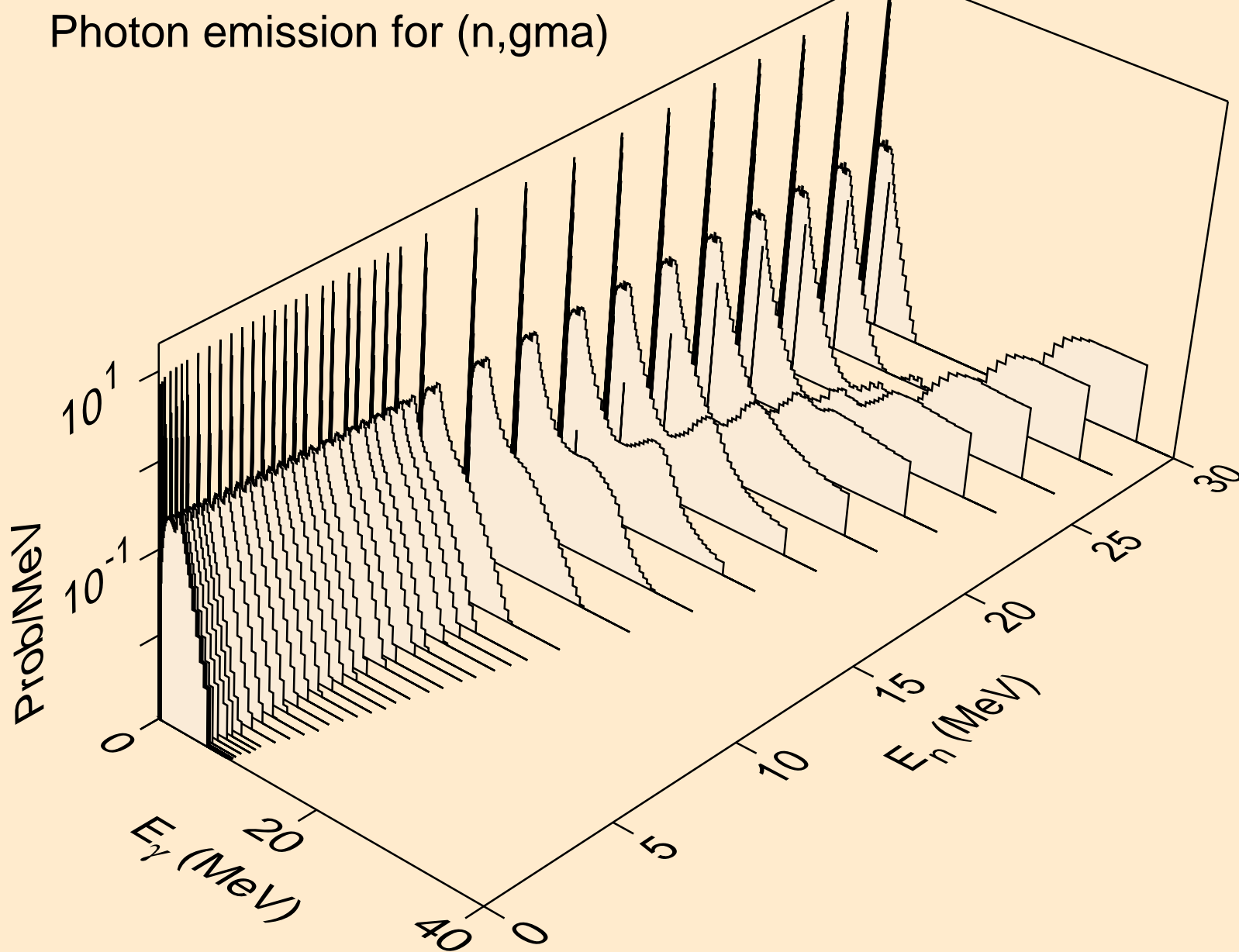
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



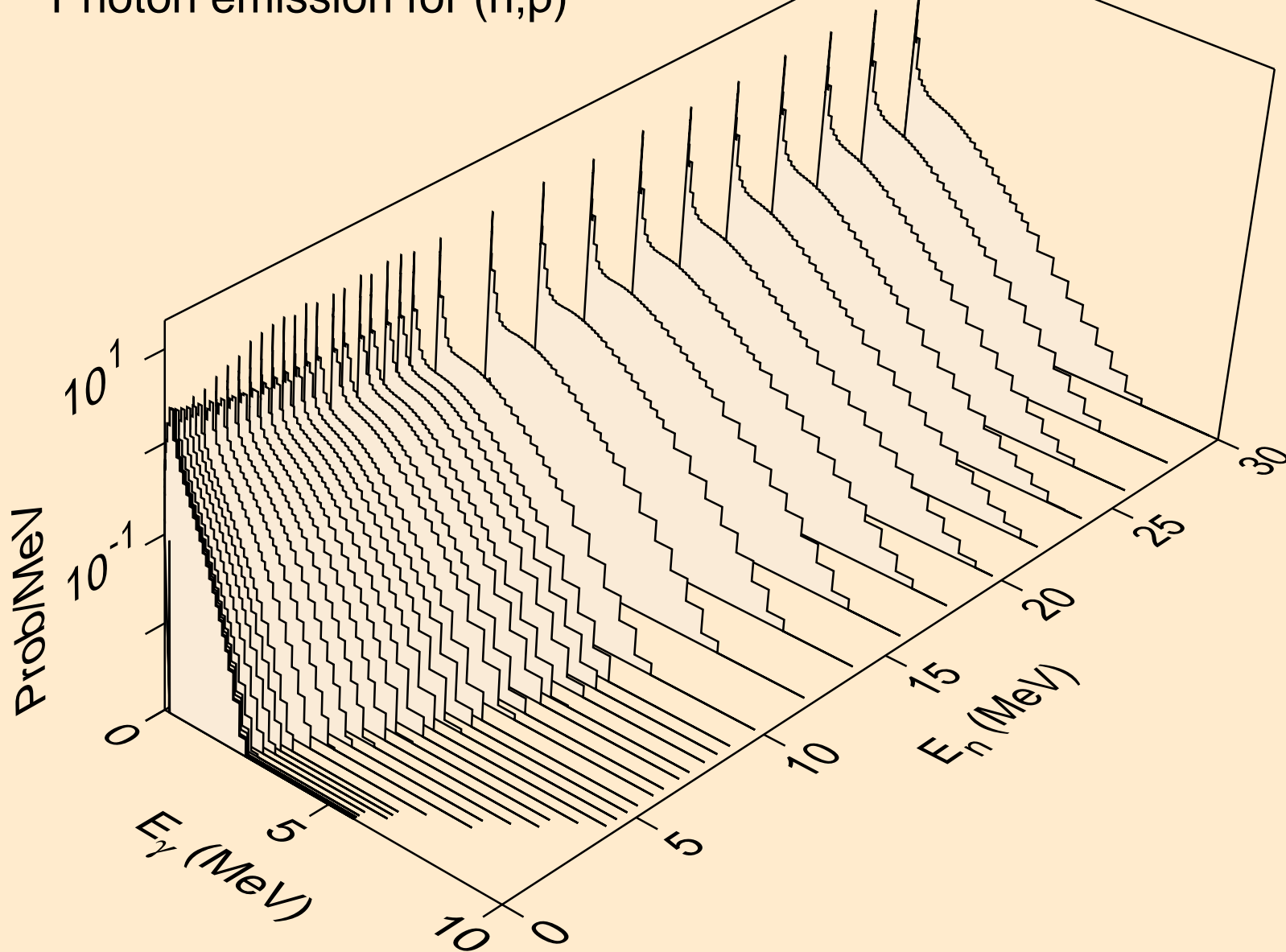
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



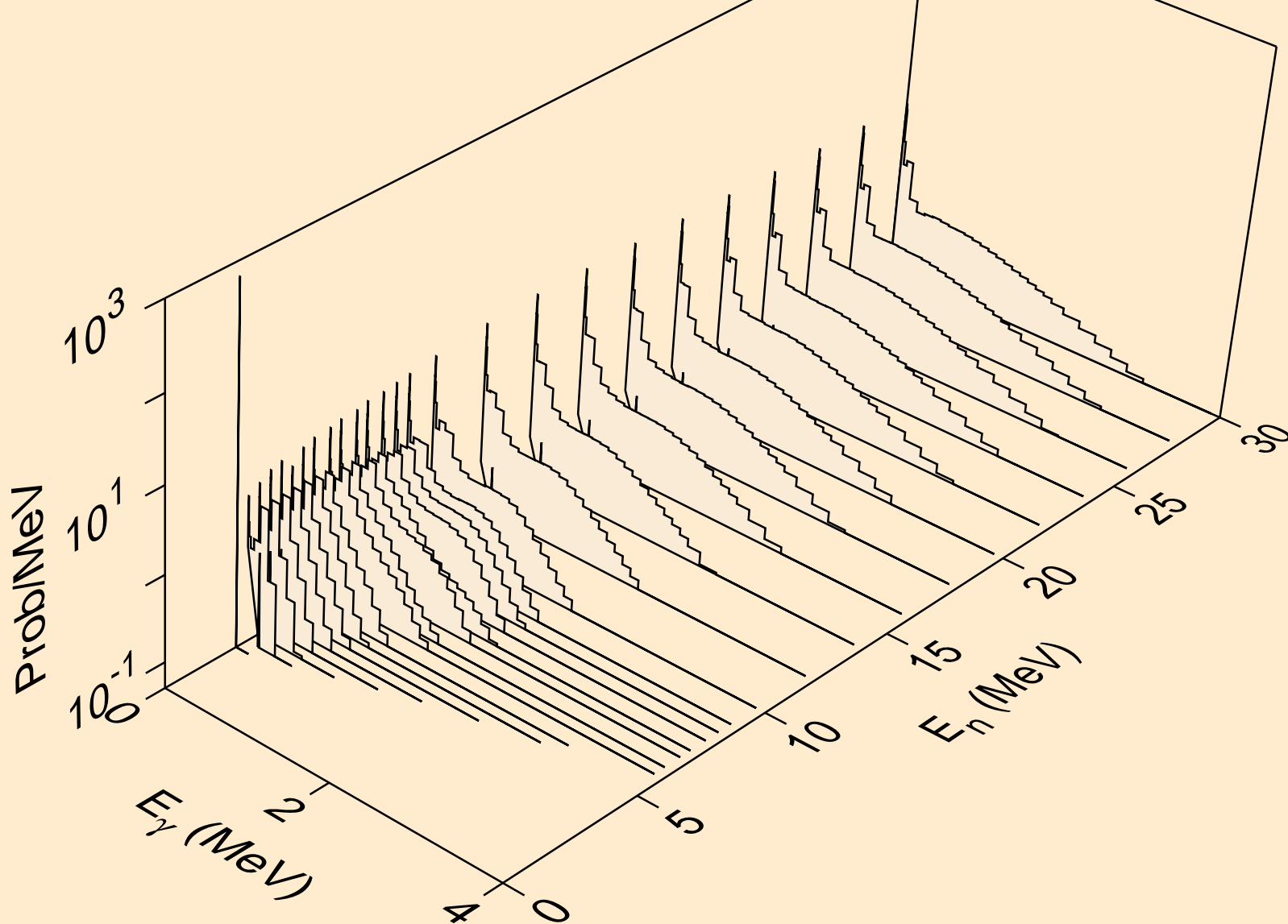
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



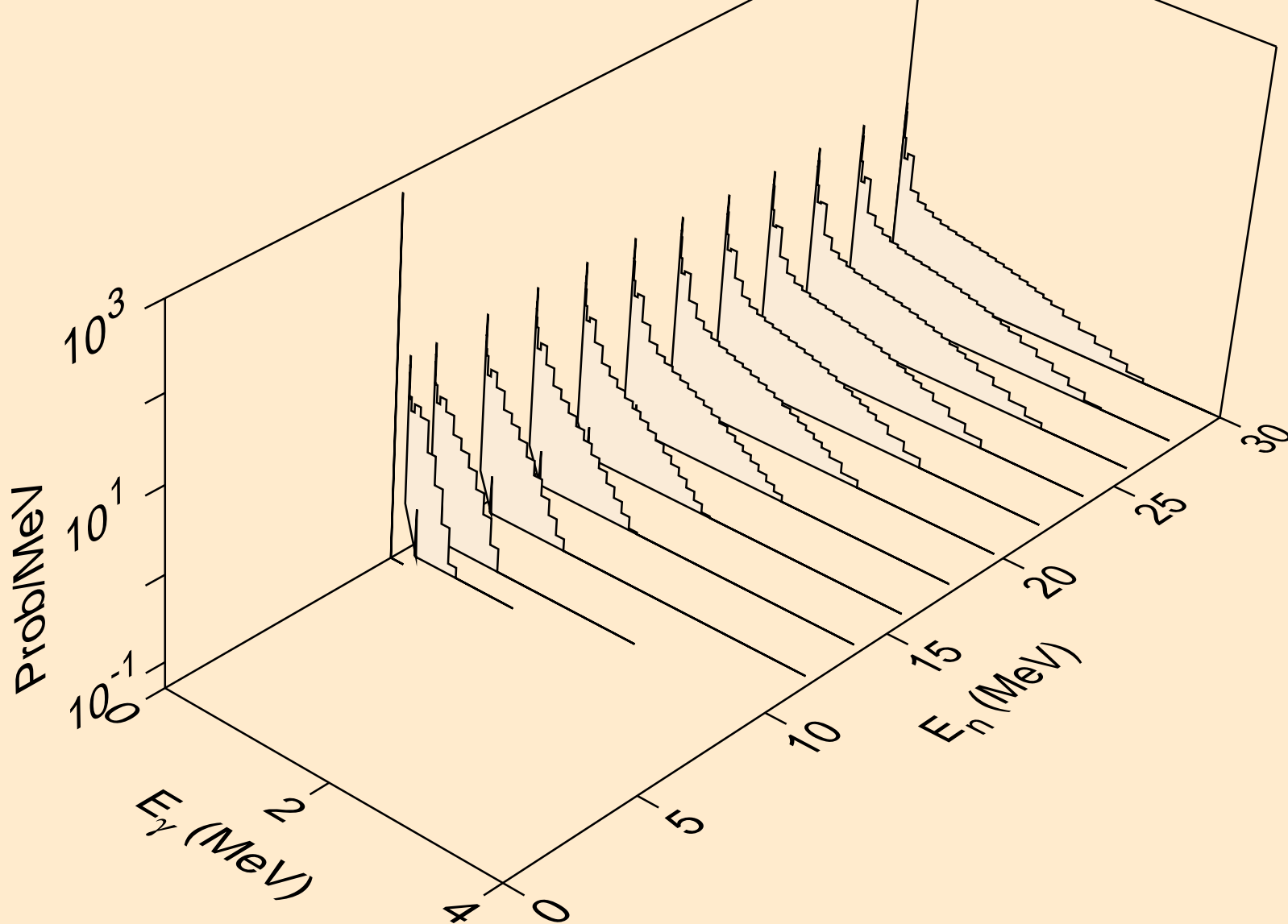
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



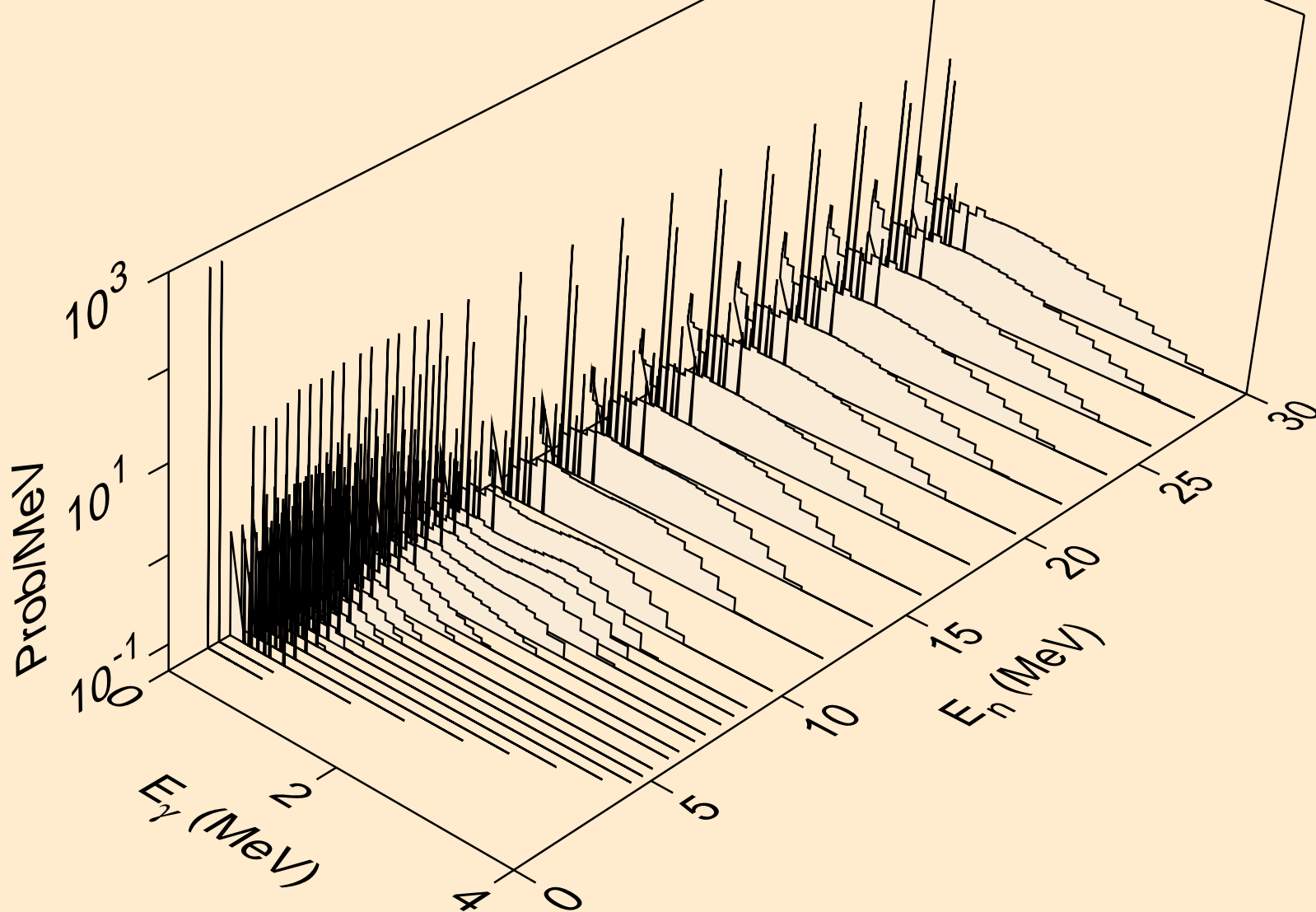
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



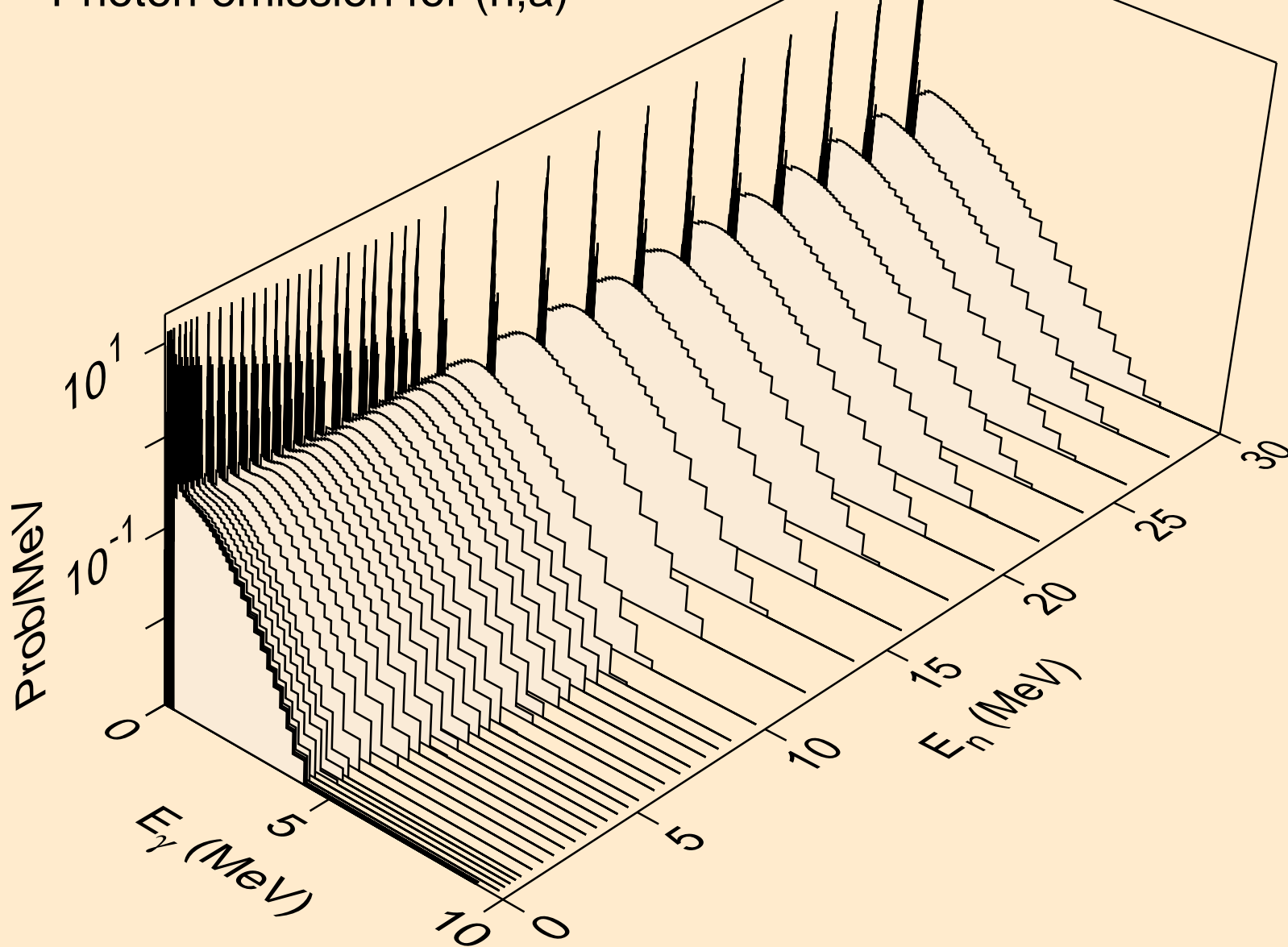
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



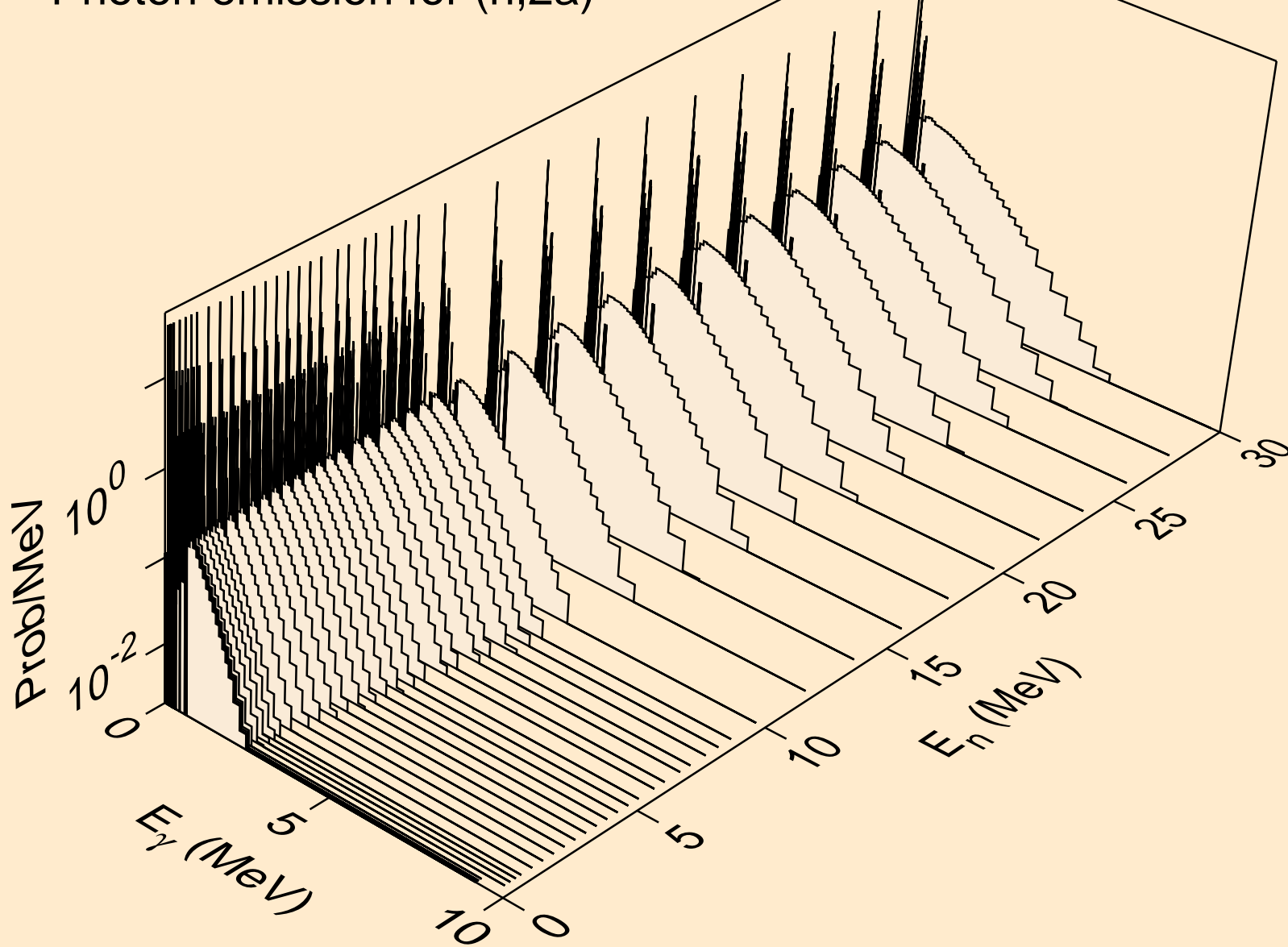
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



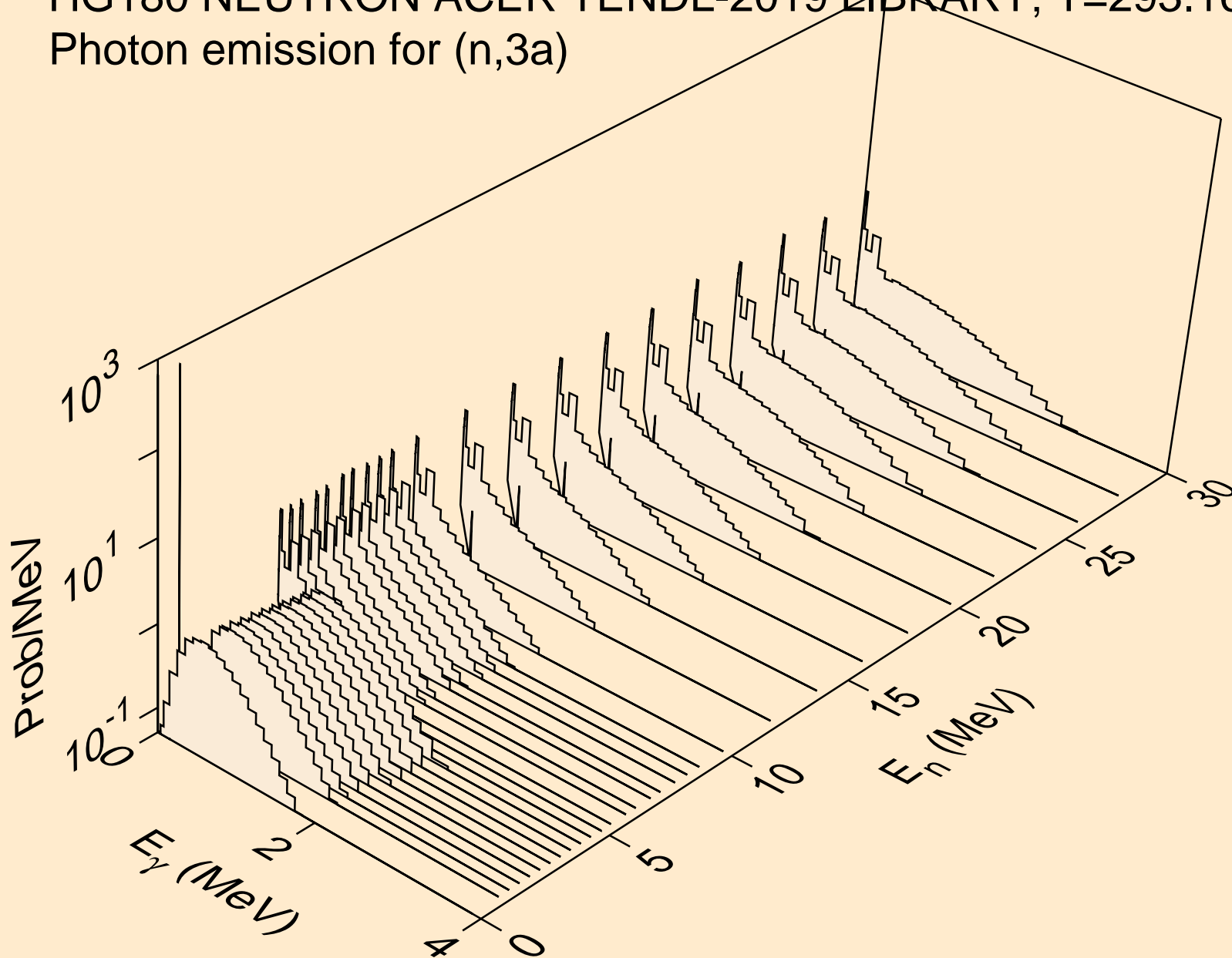
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



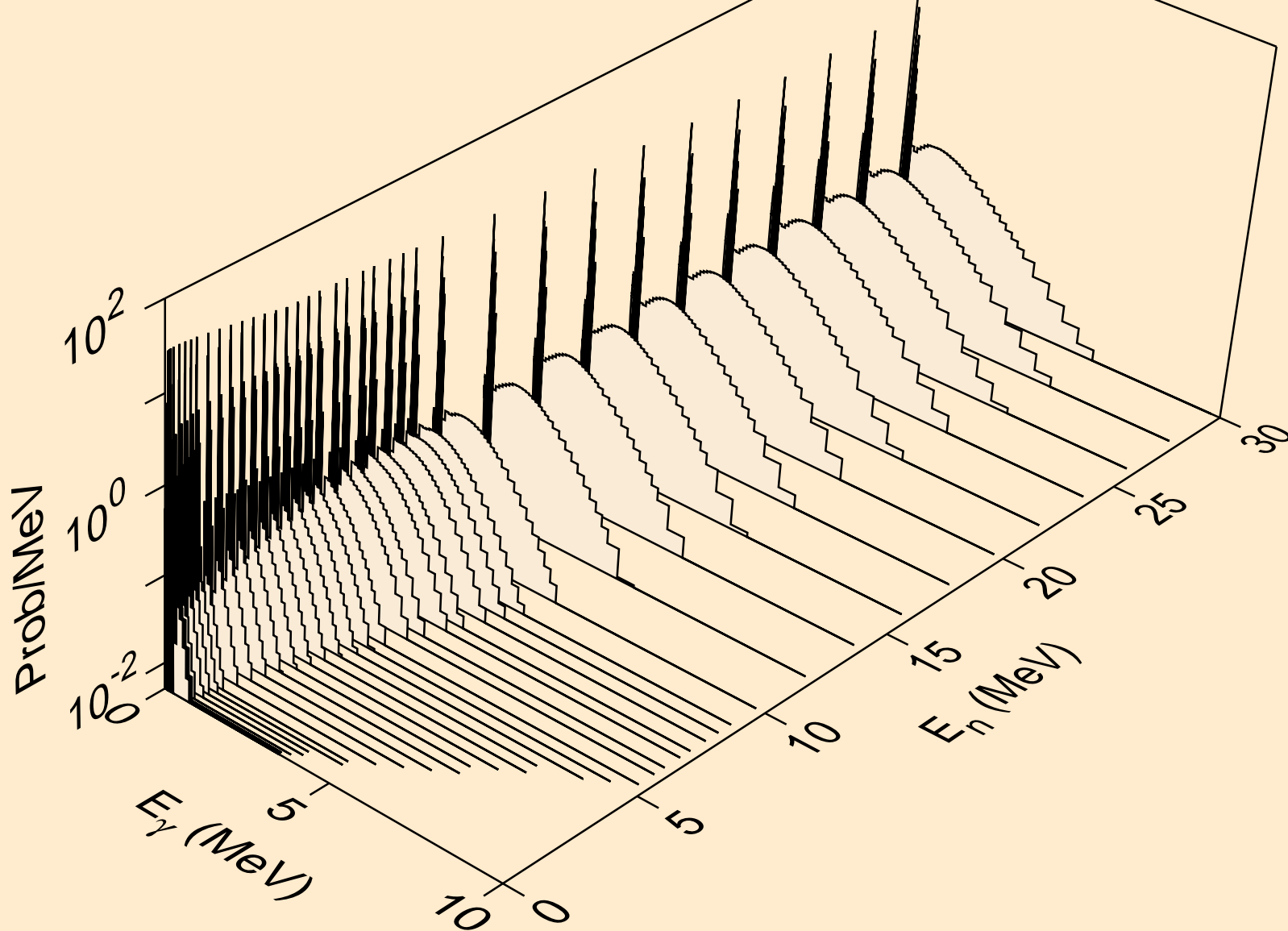
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



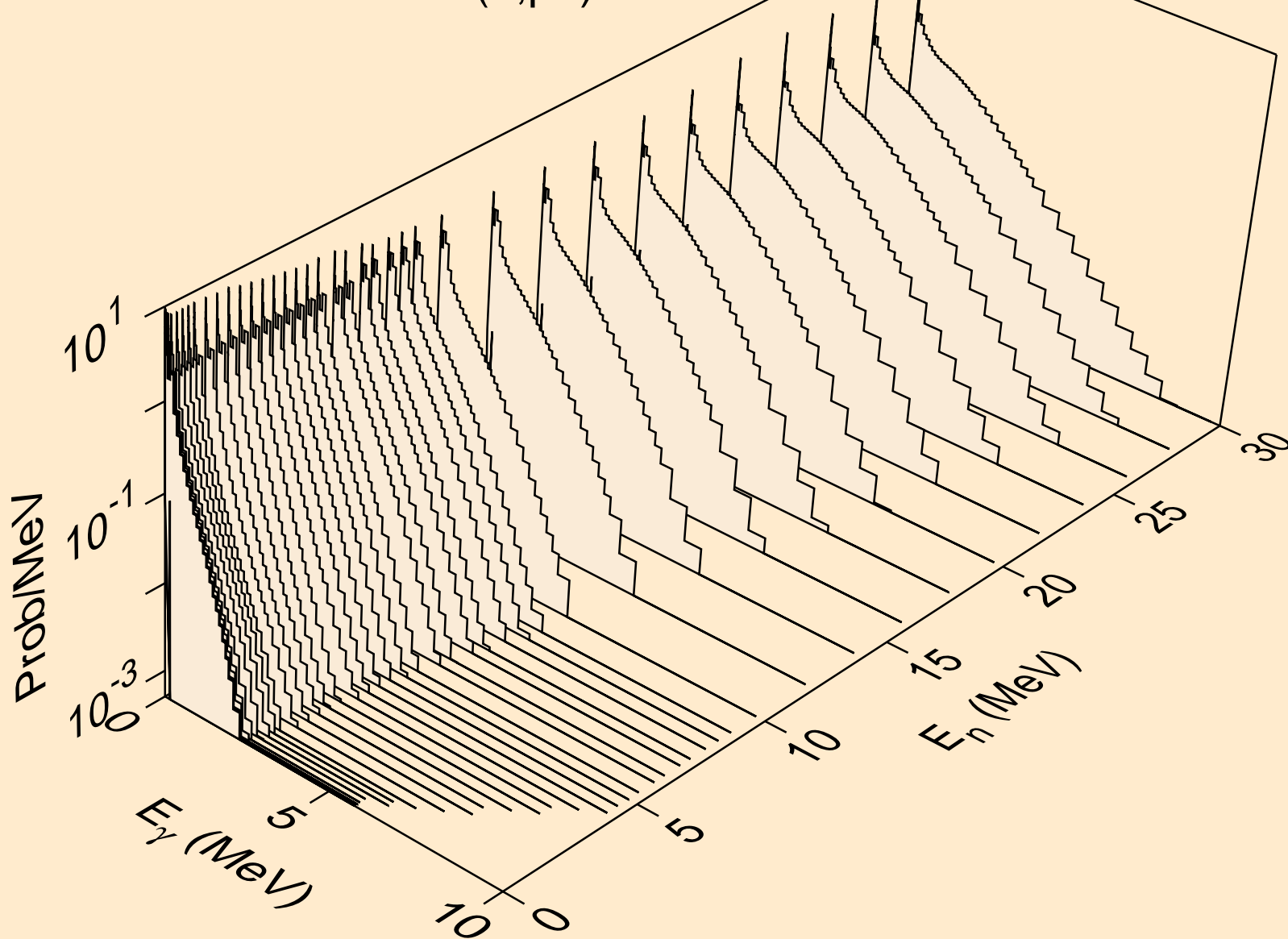
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



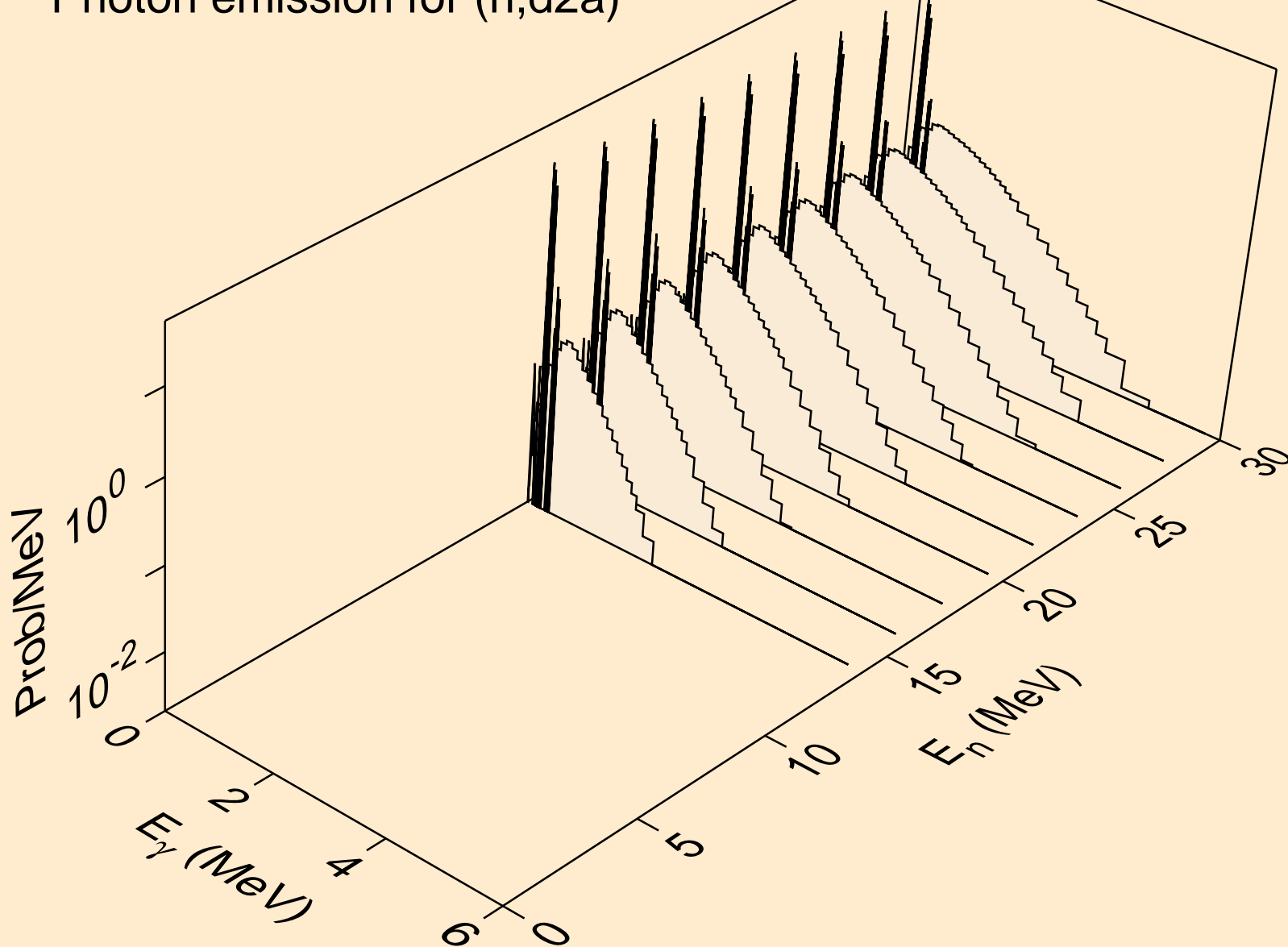
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



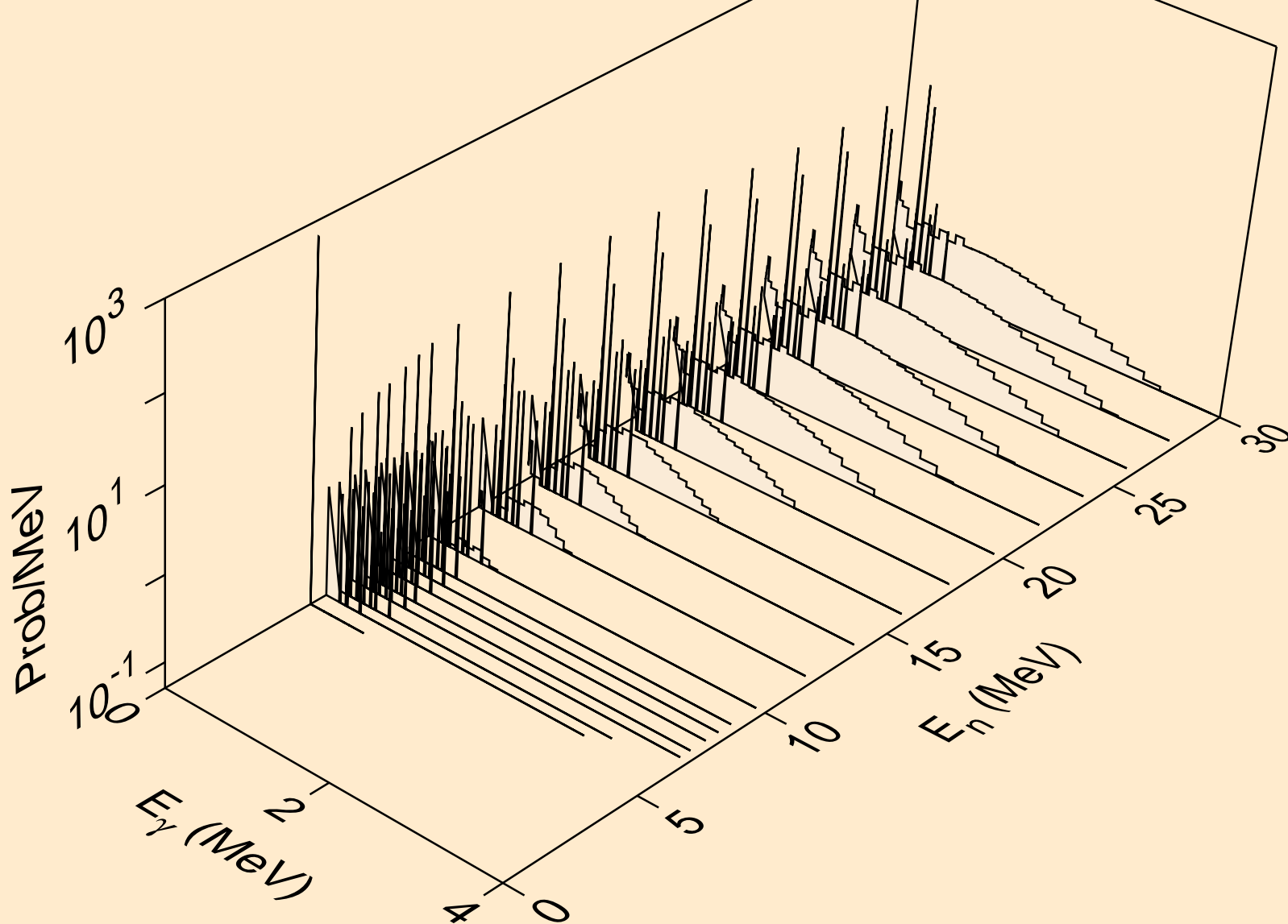
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



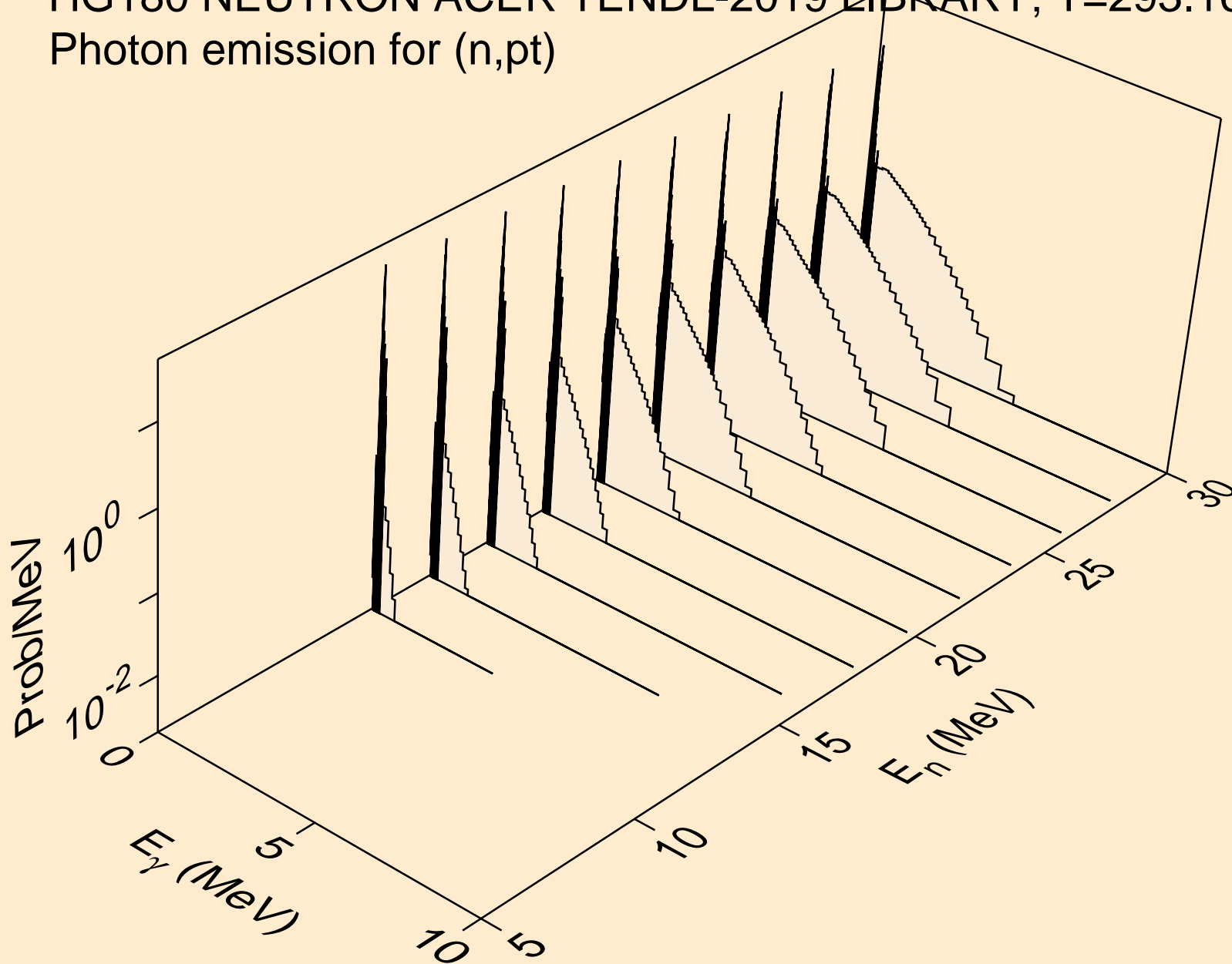
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d2a)



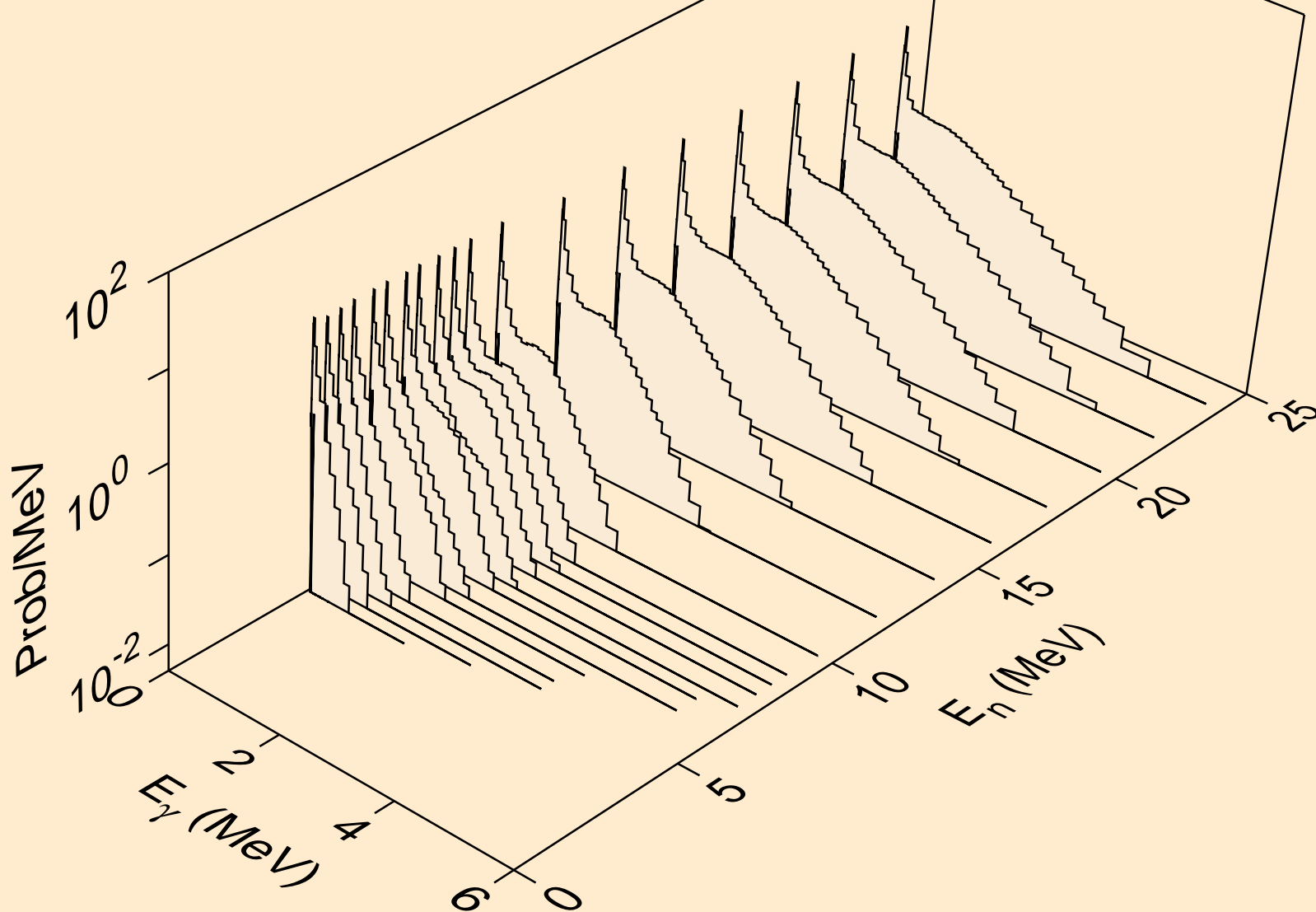
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



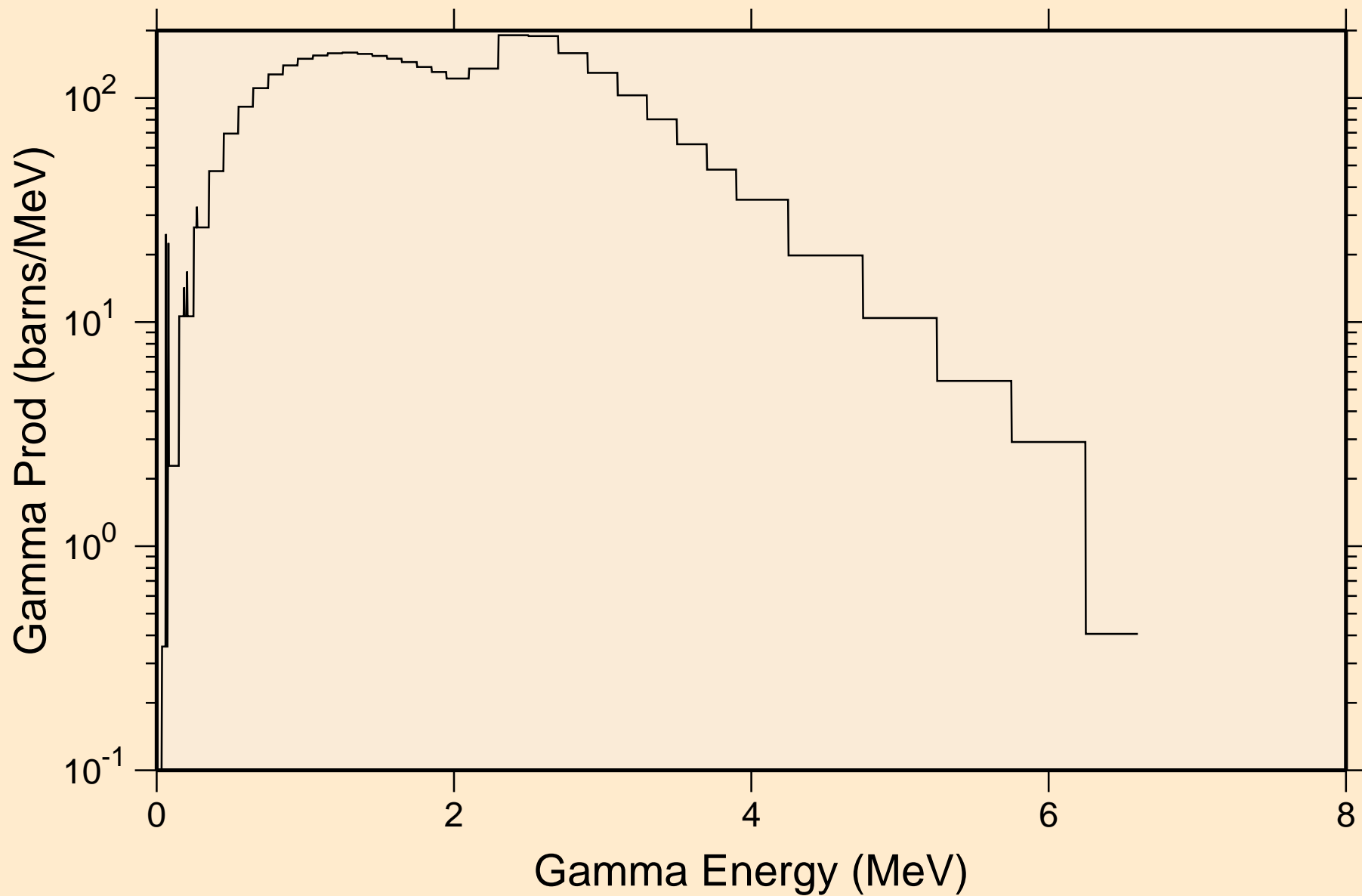
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



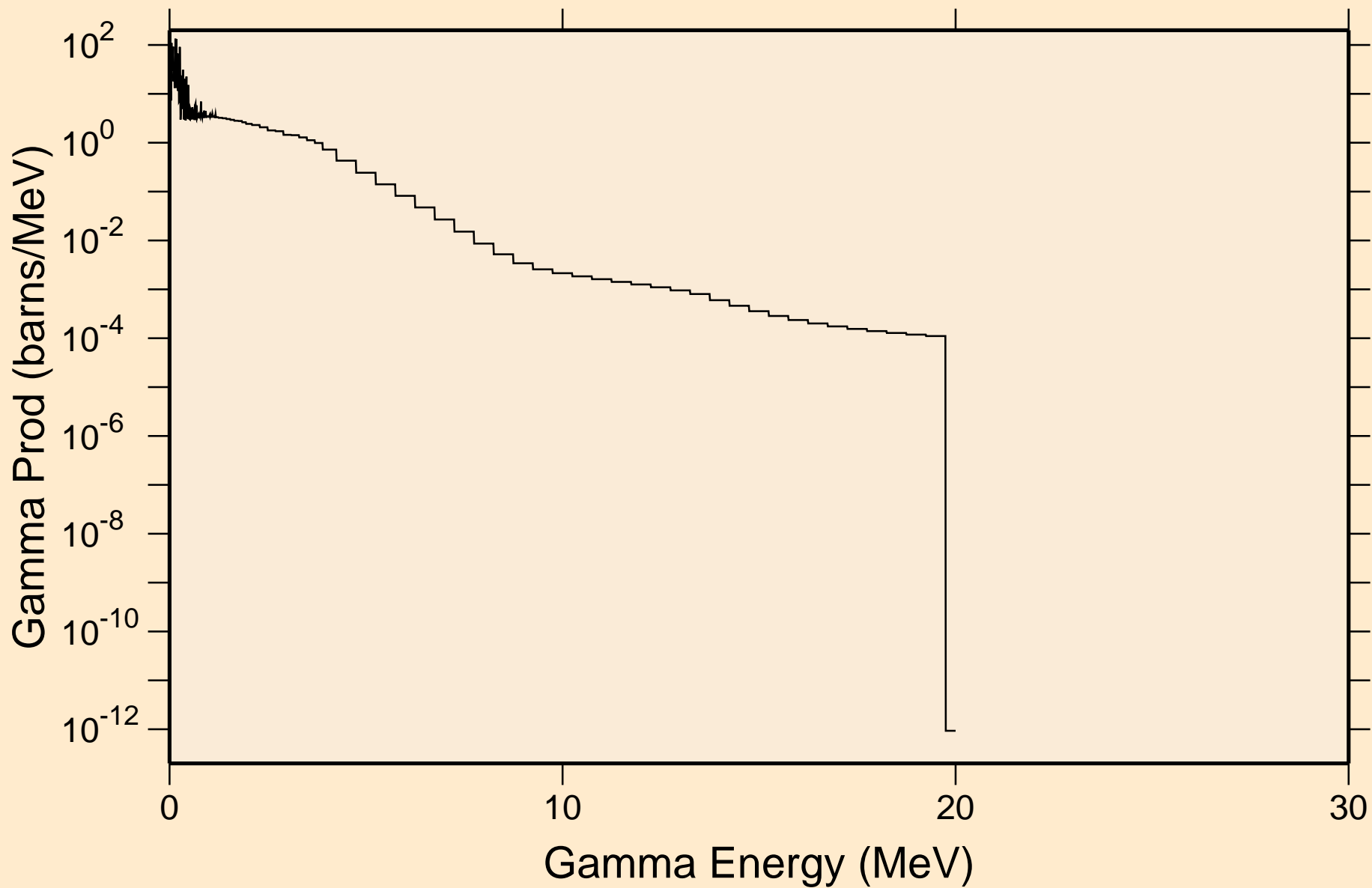
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

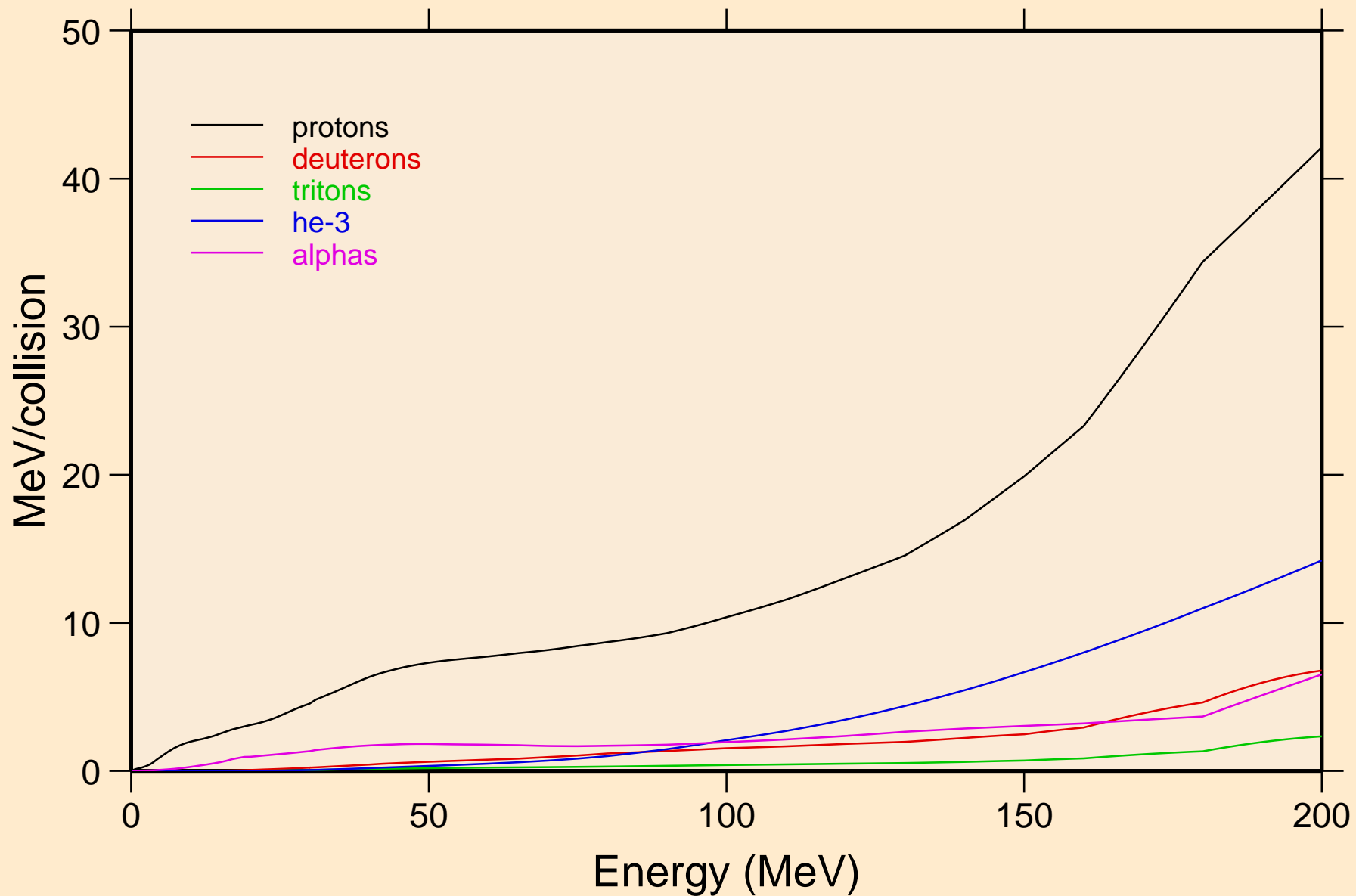


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

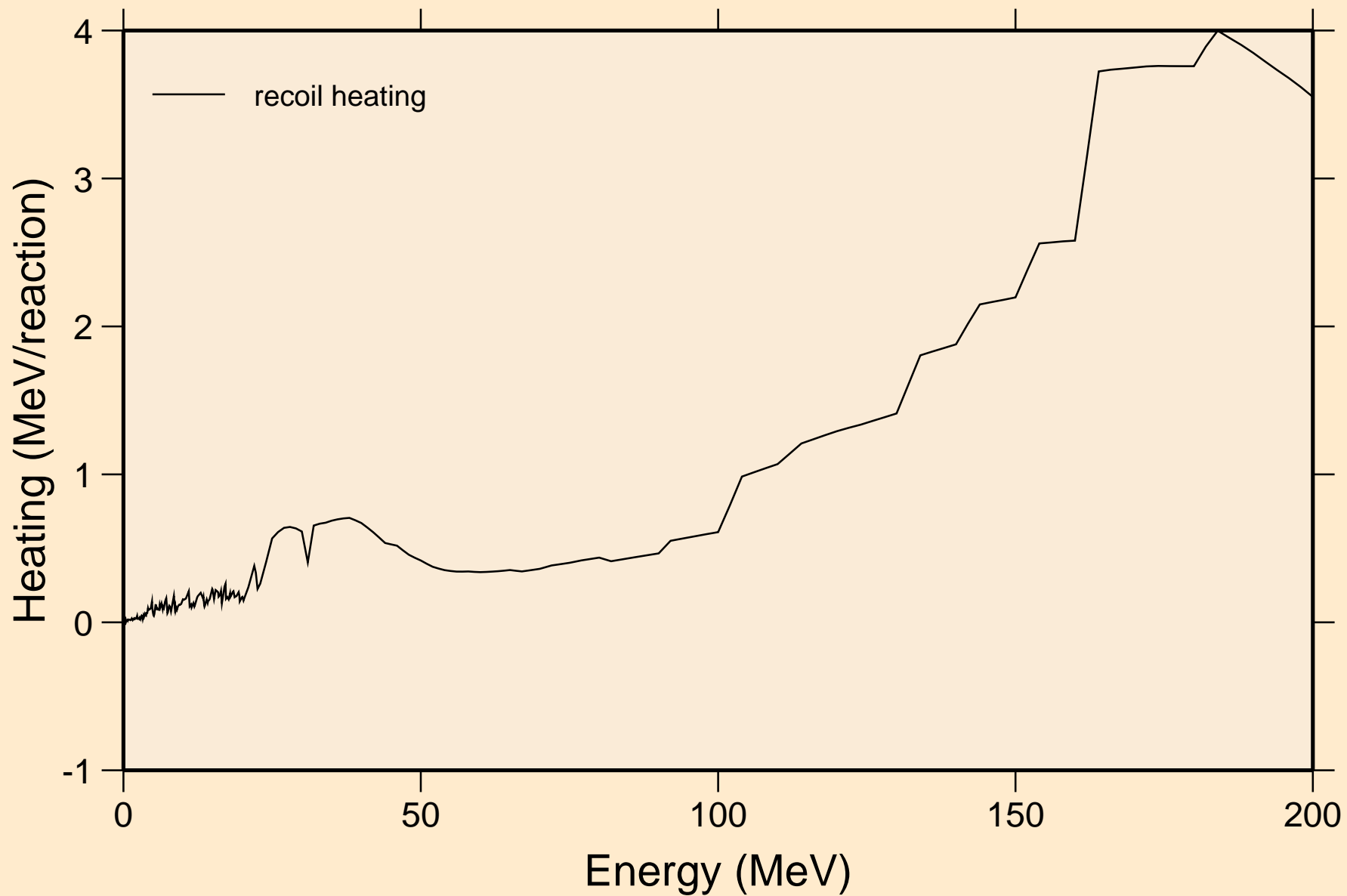


HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

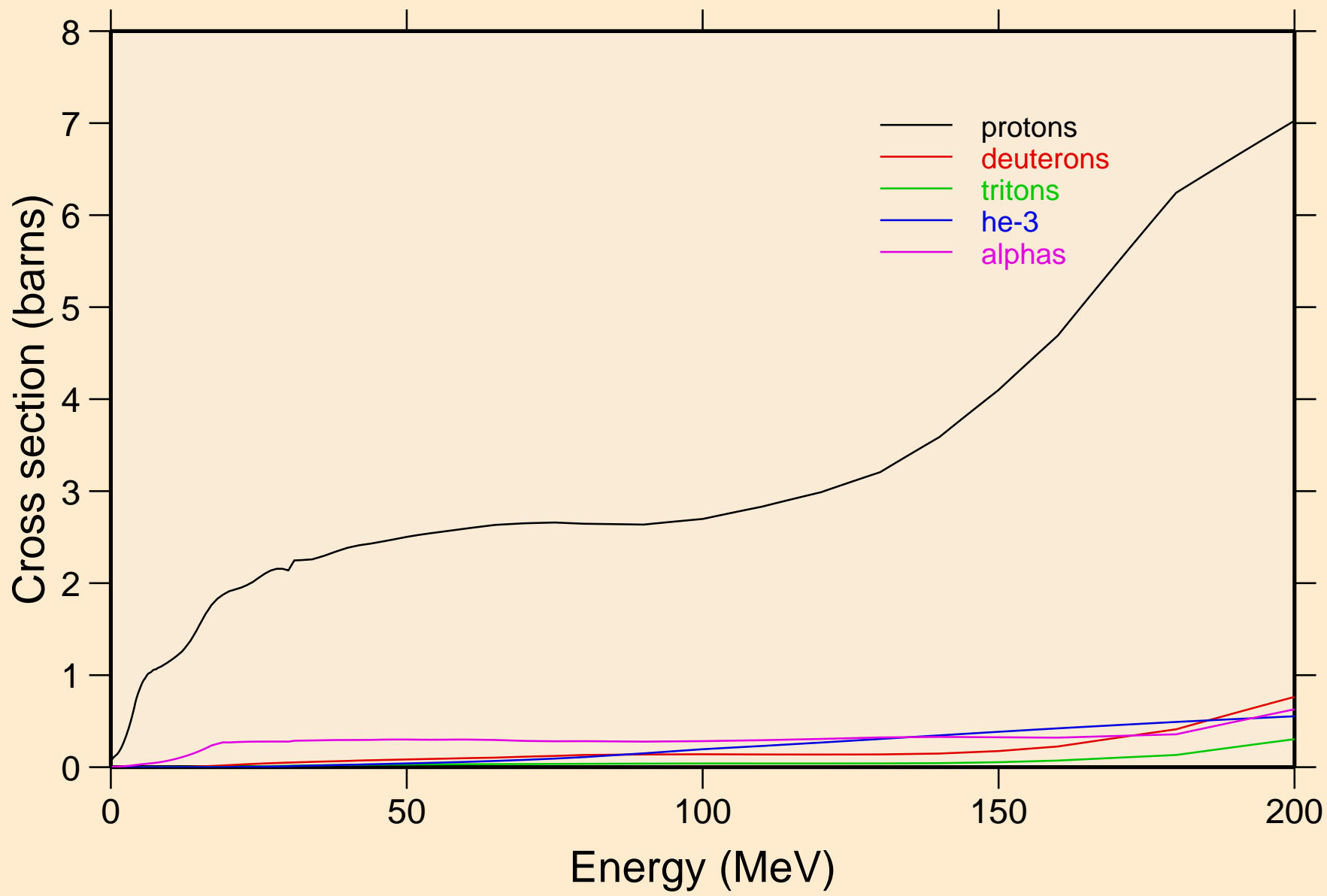
Particle heating contributions



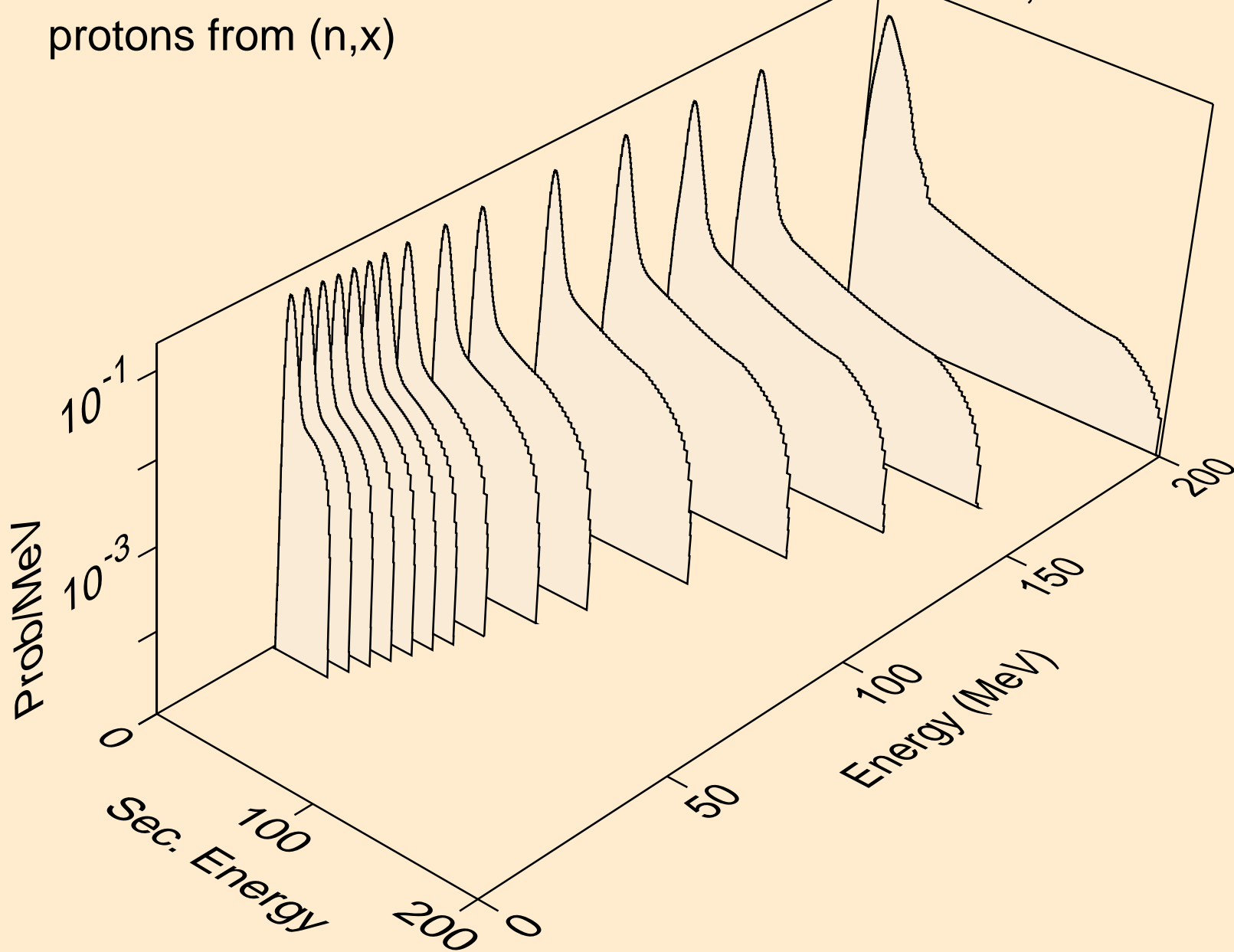
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



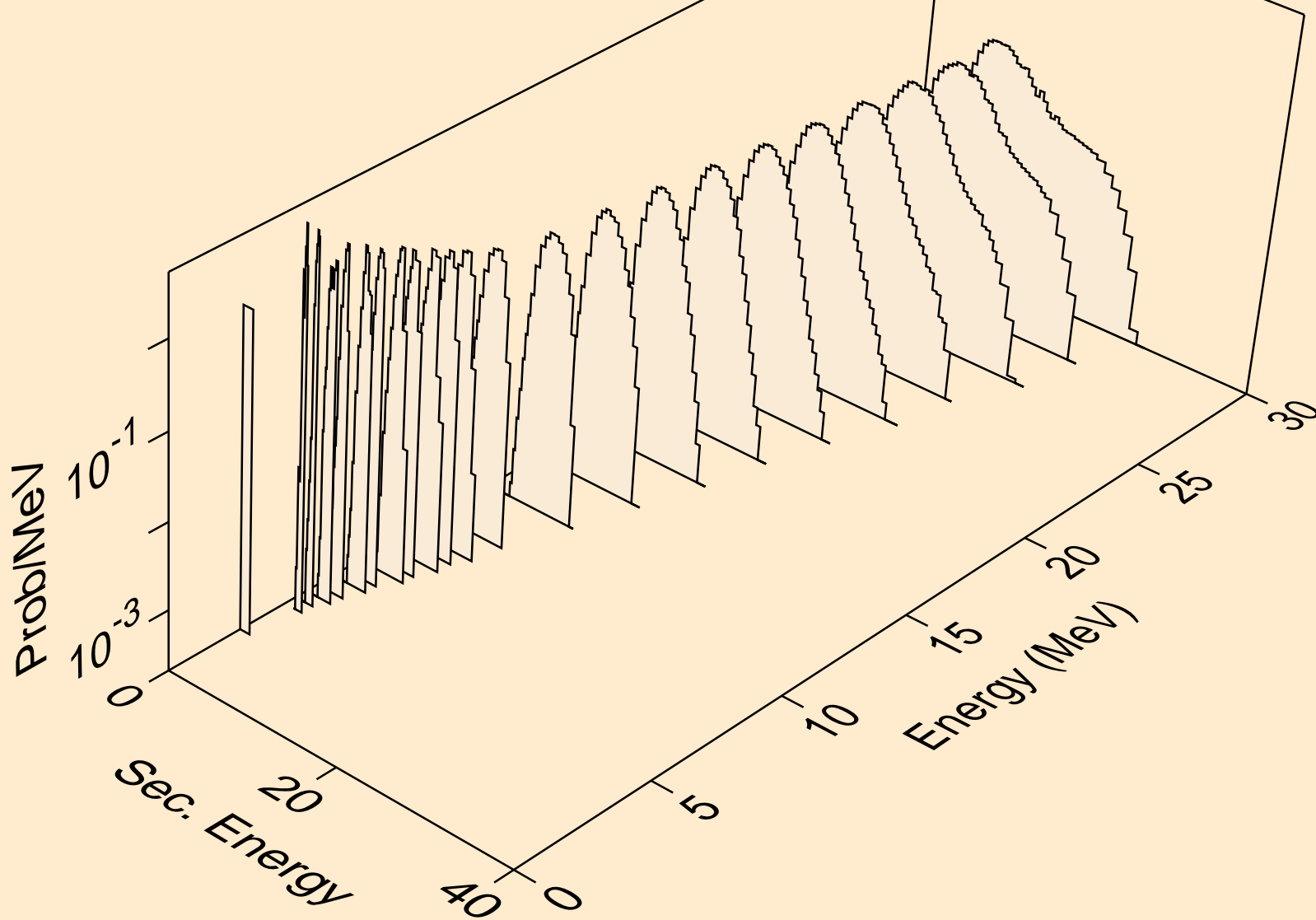
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



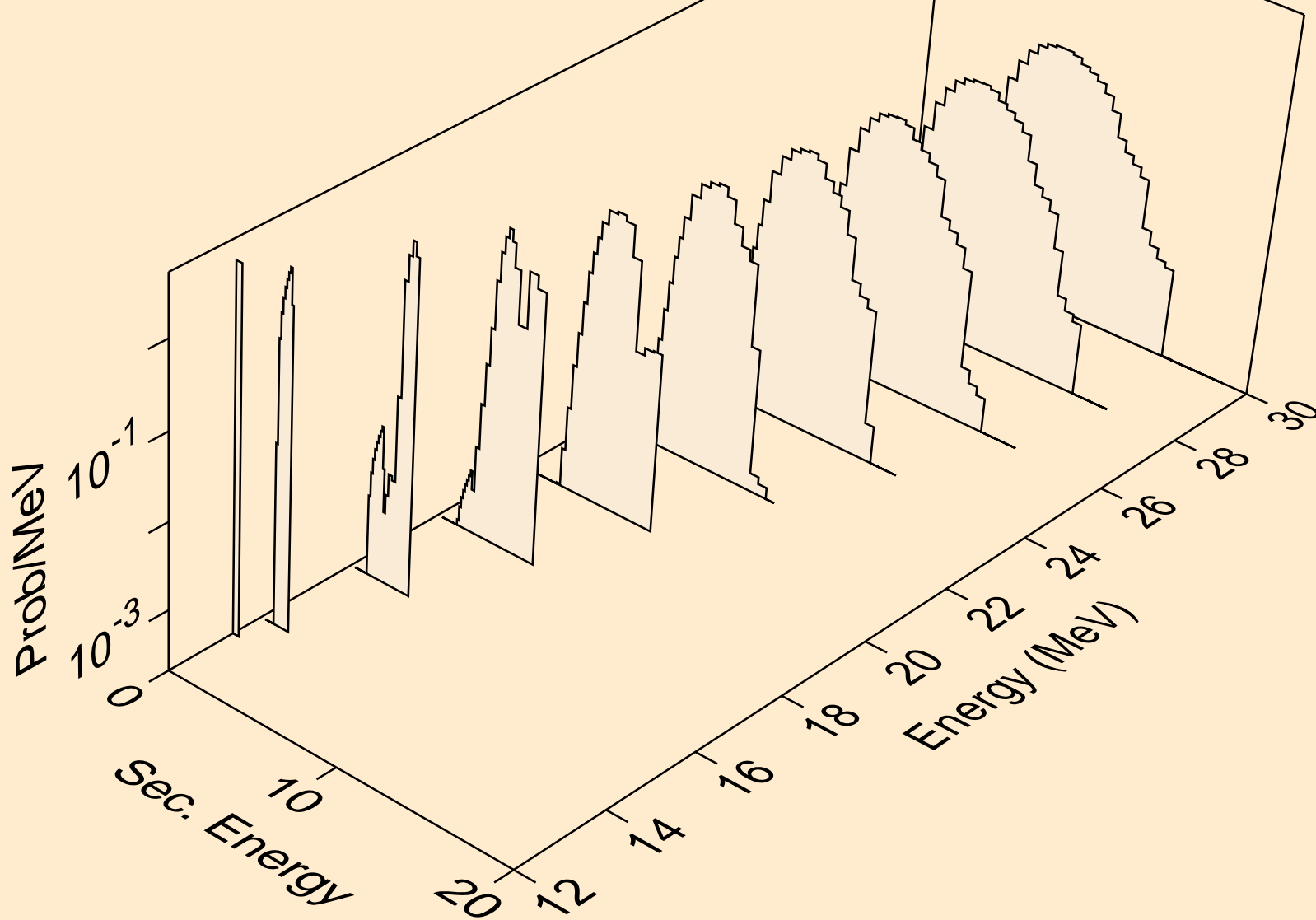
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



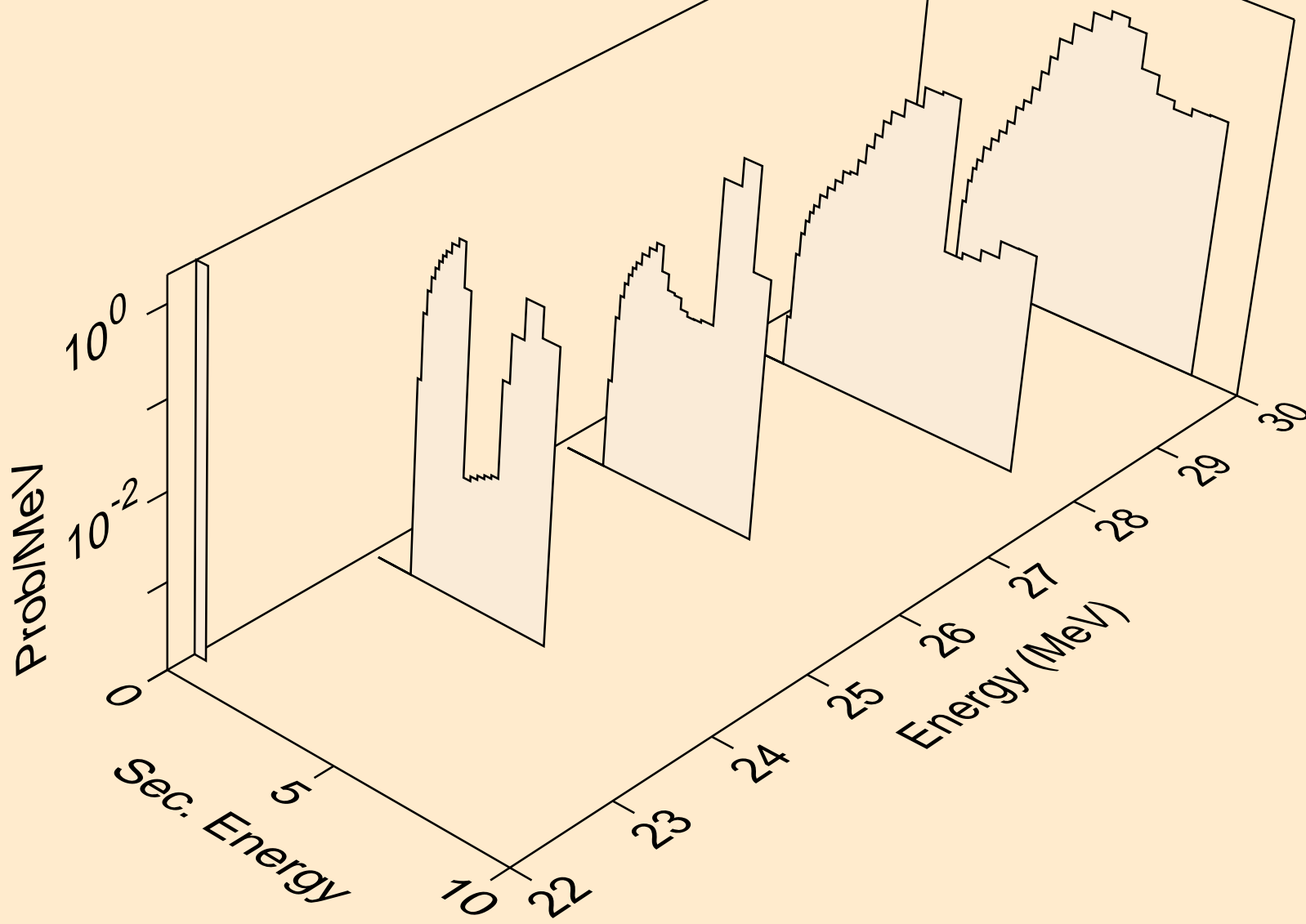
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



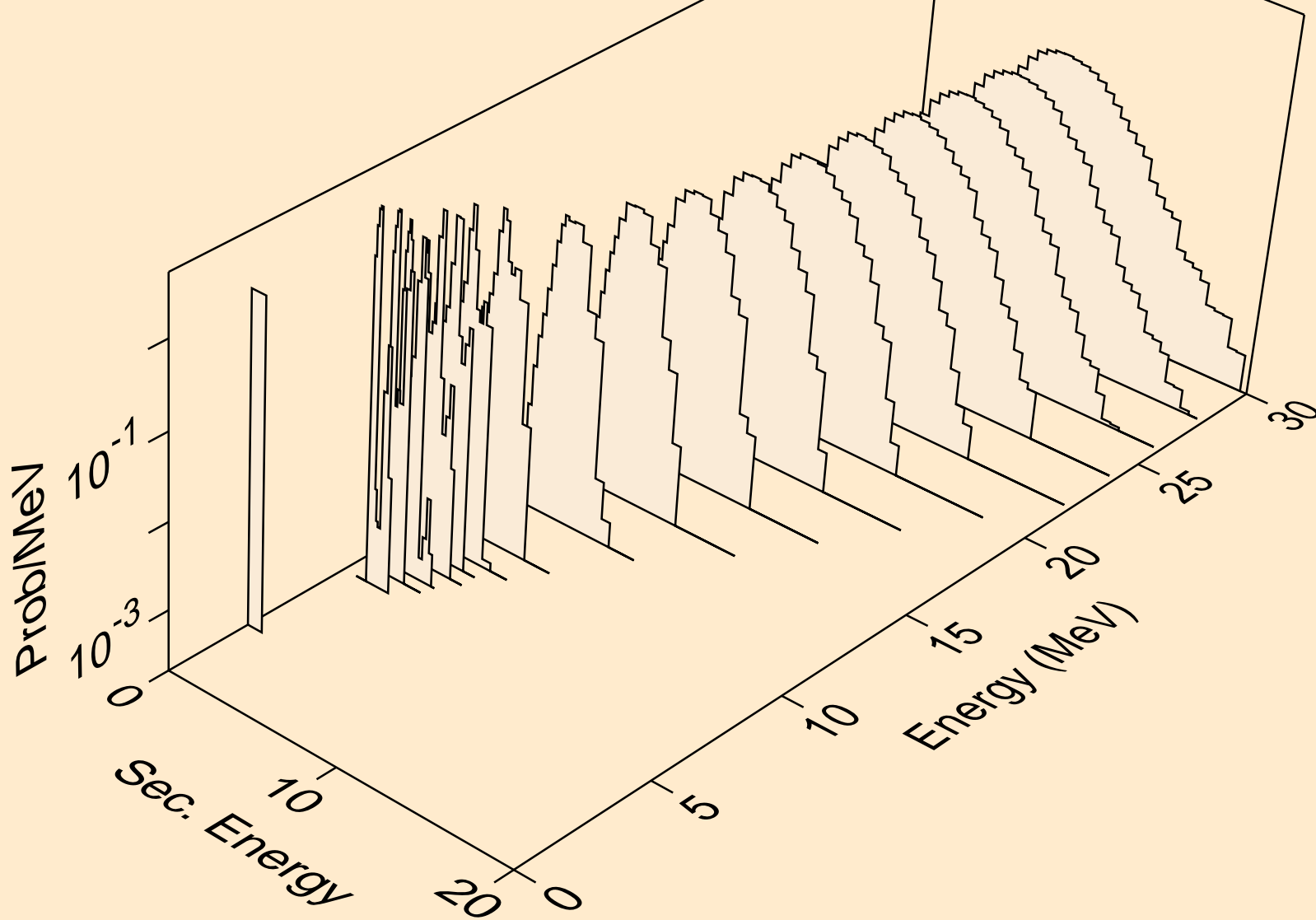
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



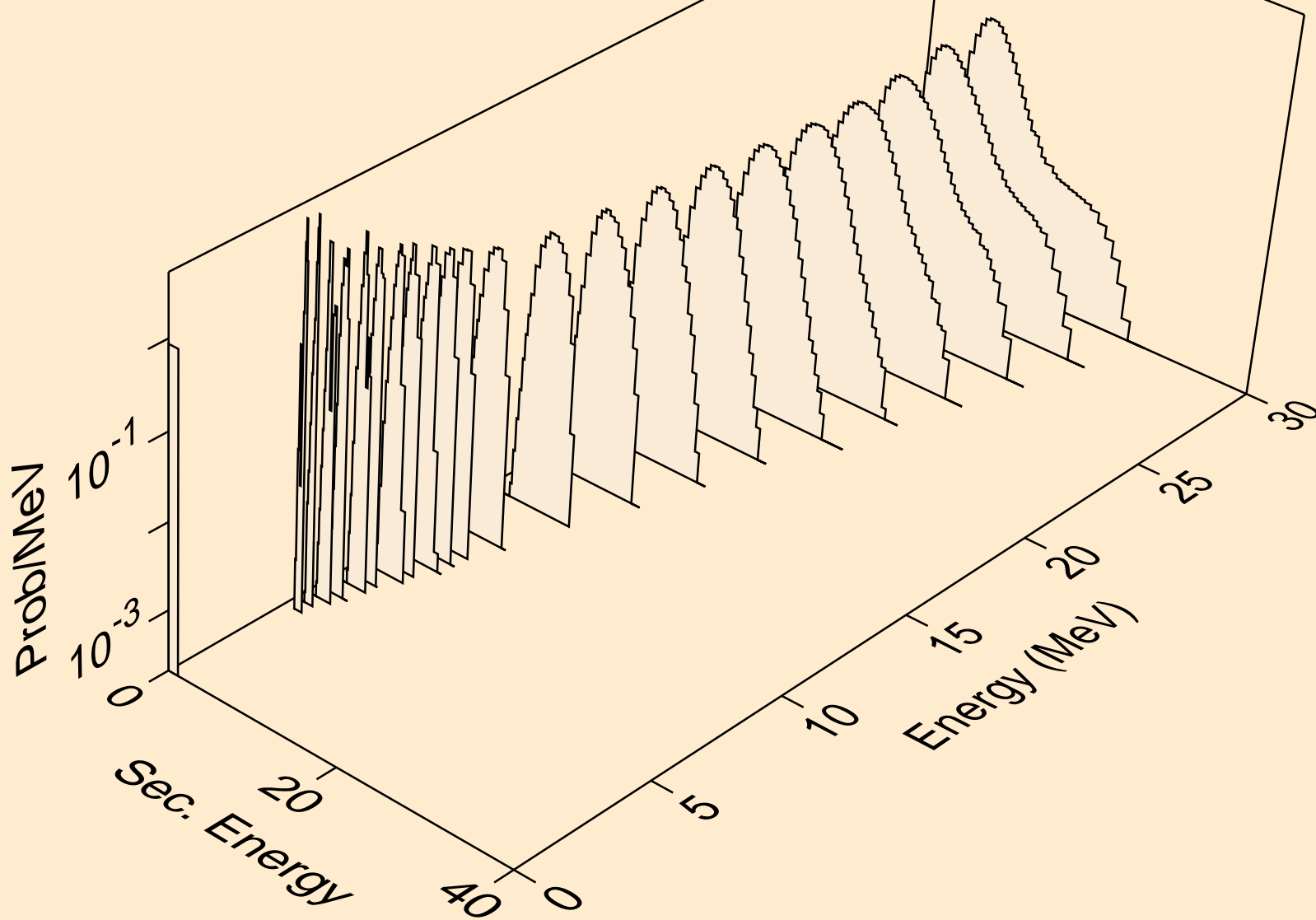
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



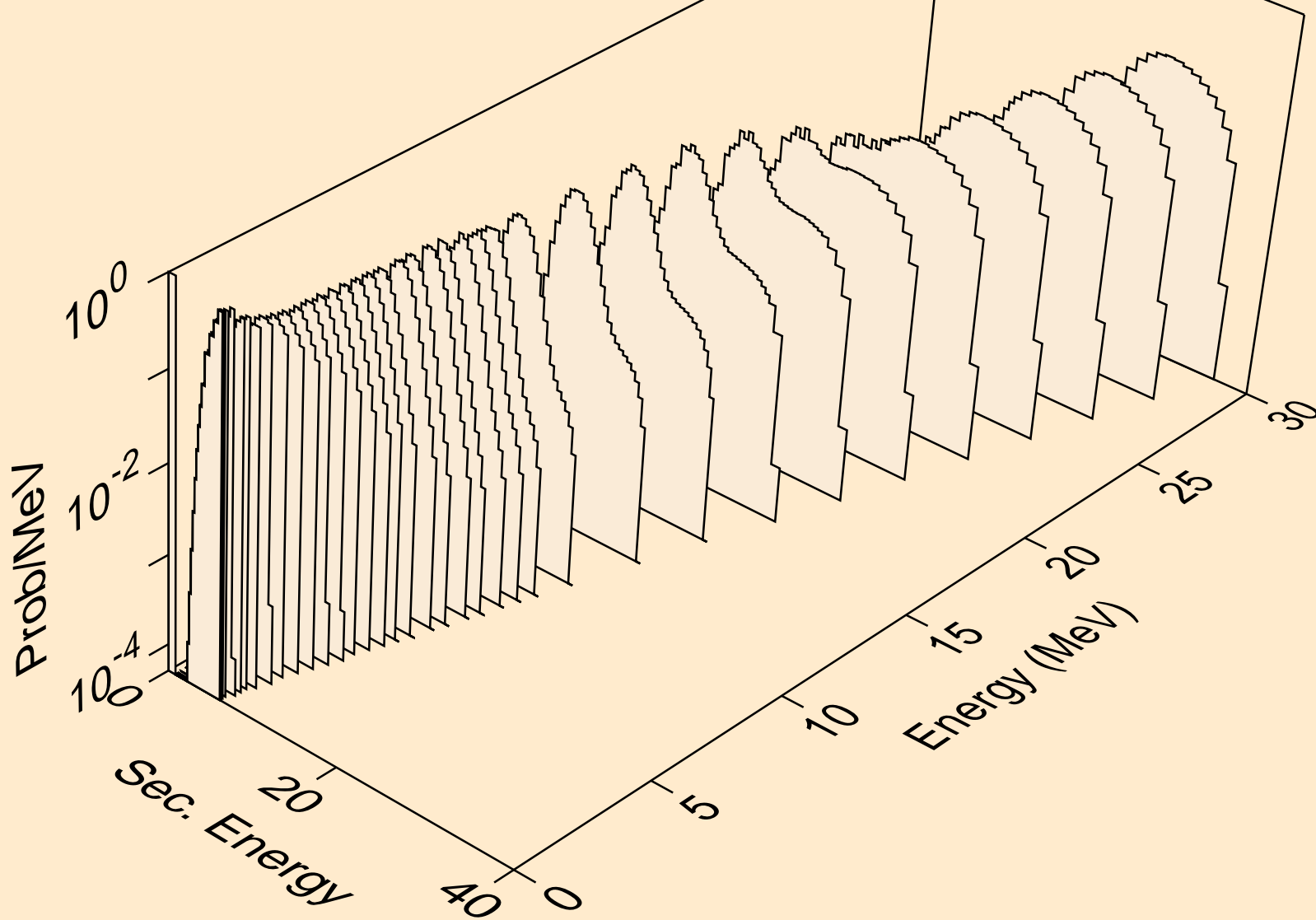
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



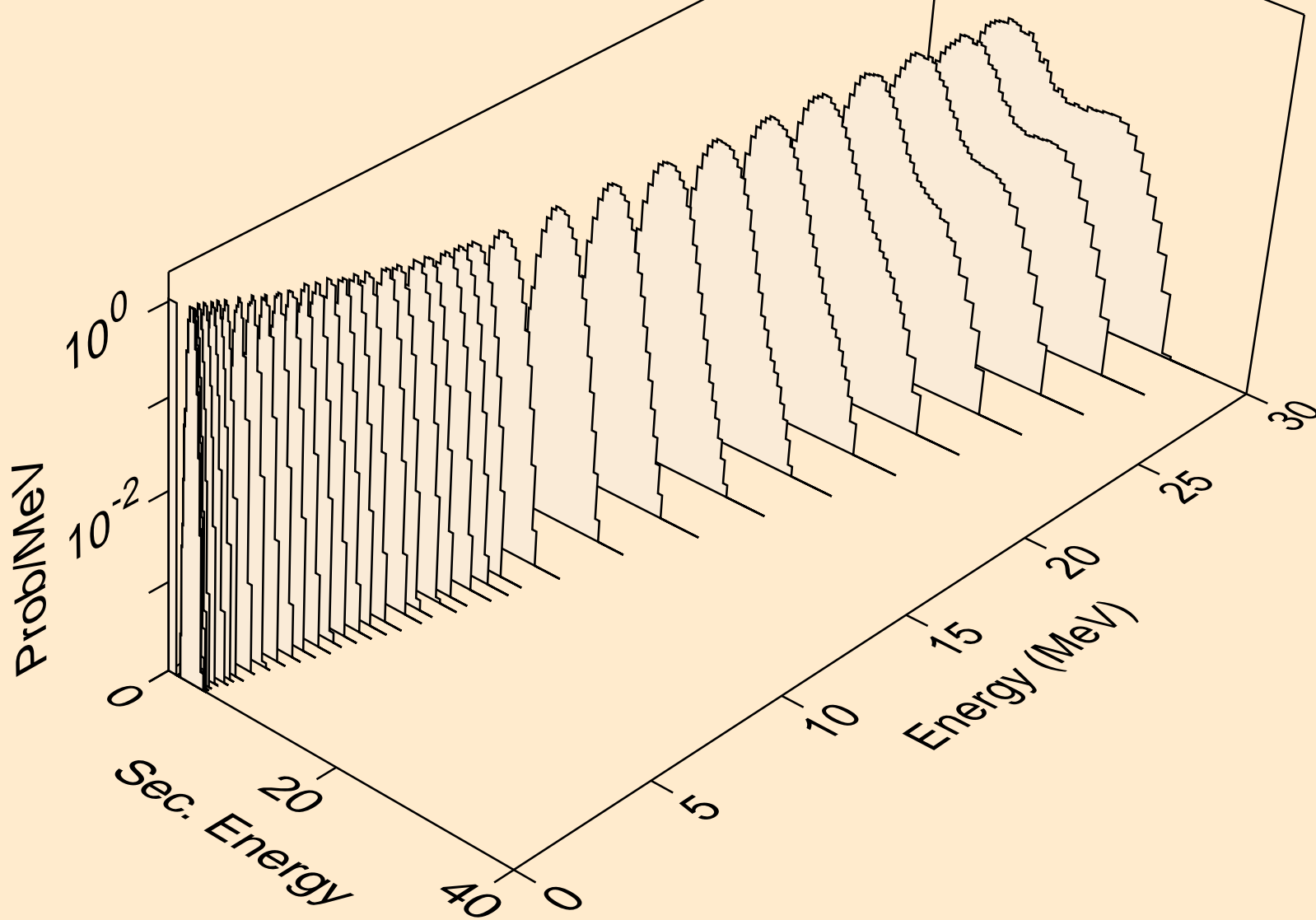
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



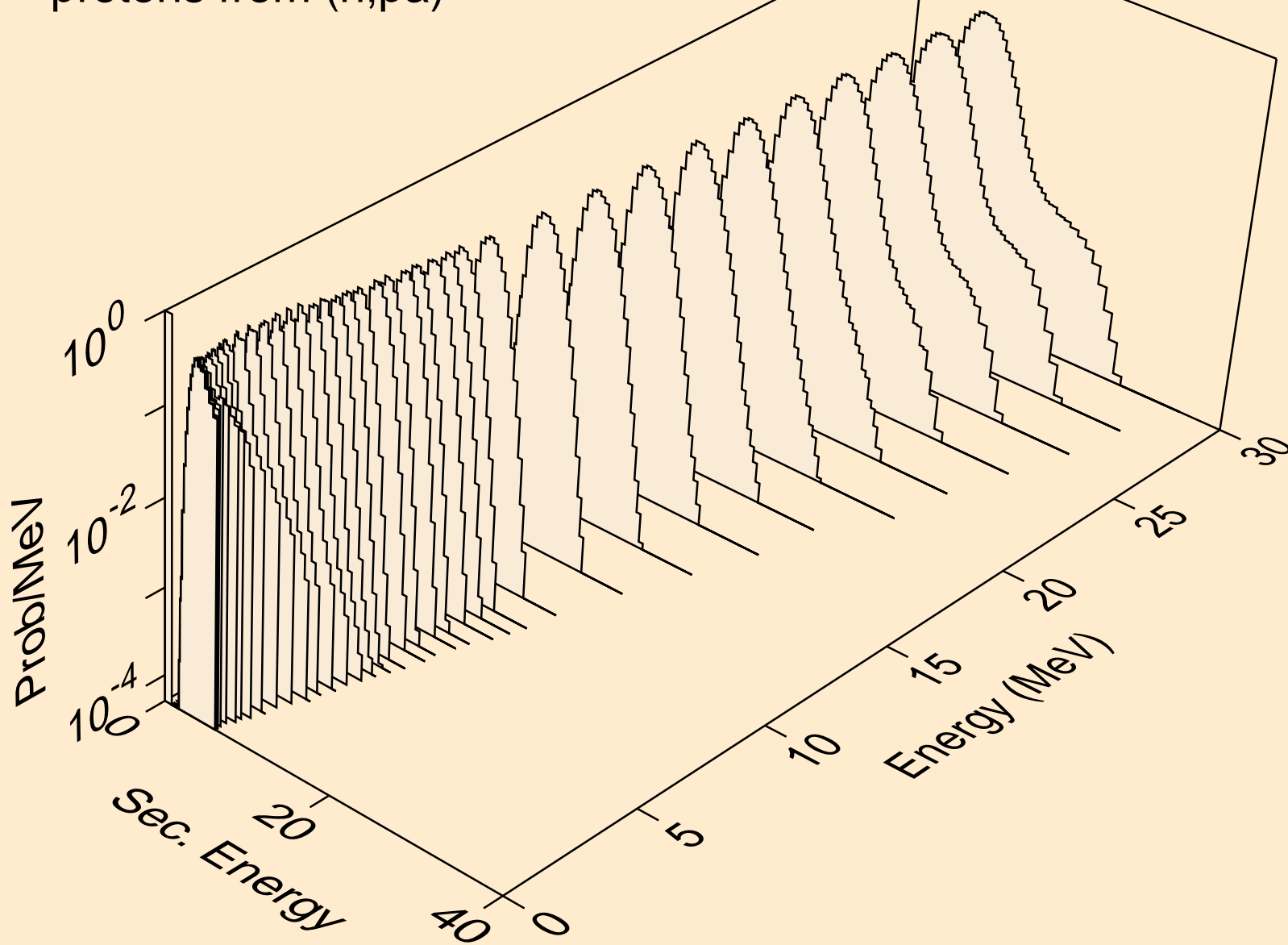
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



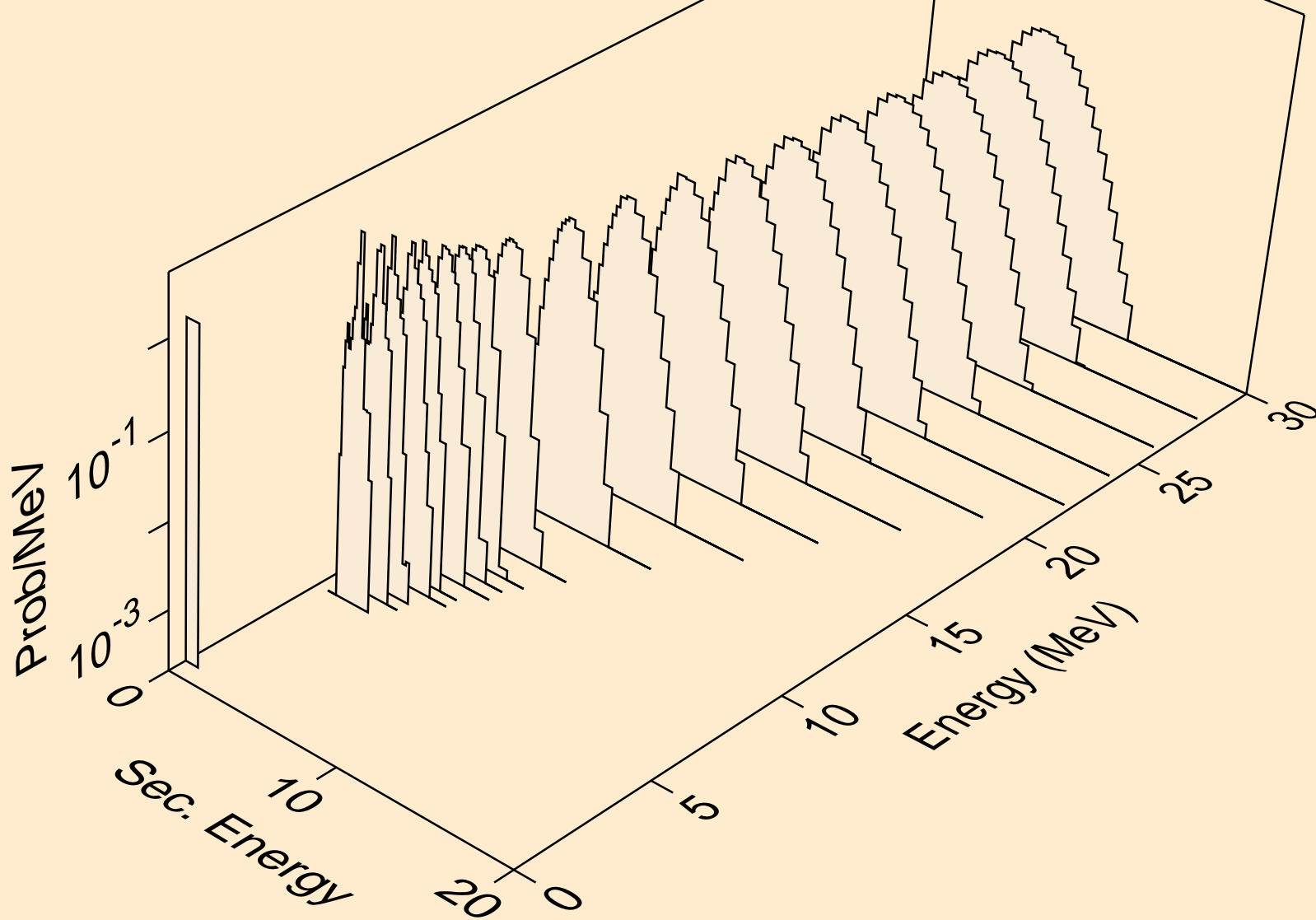
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



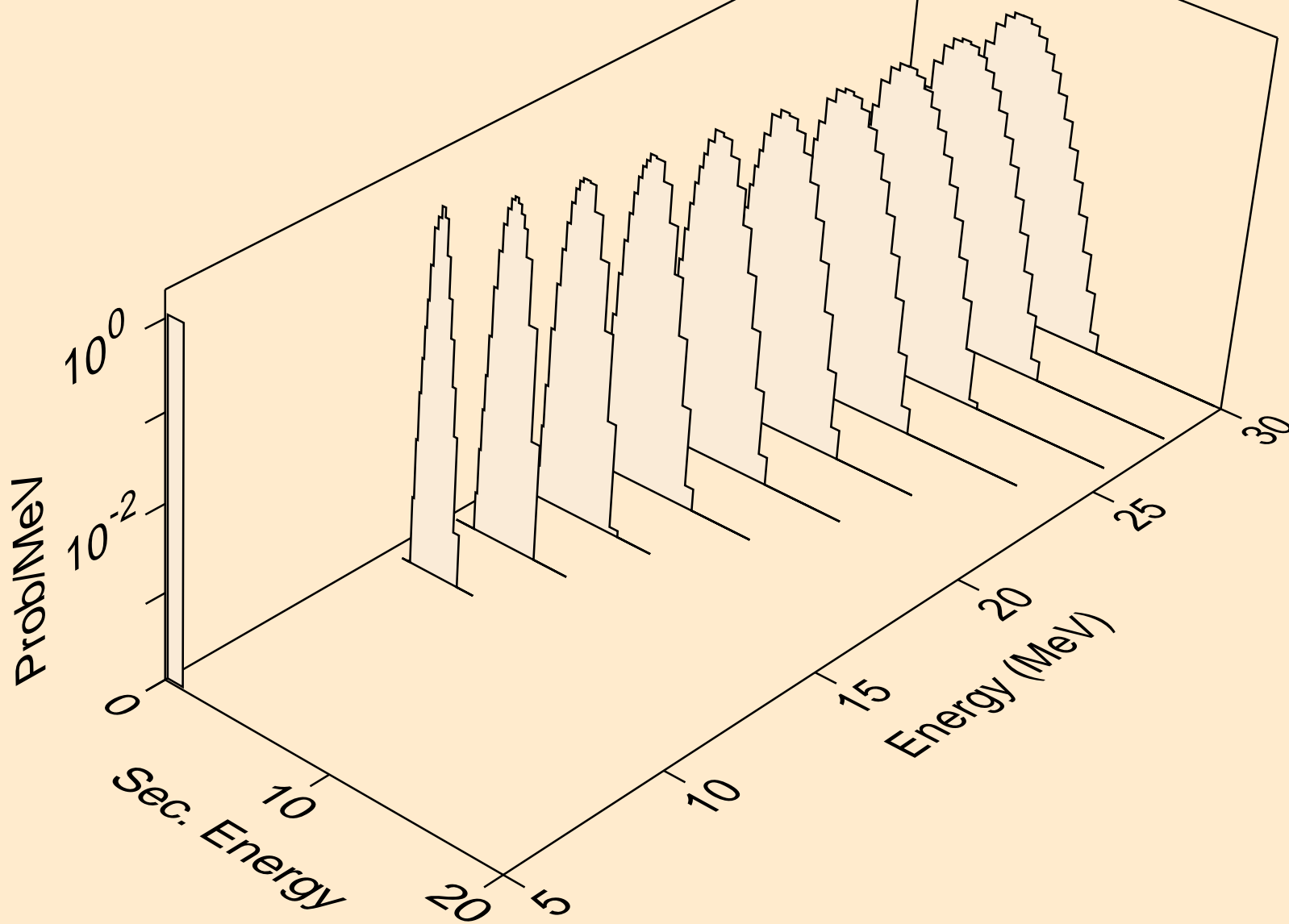
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



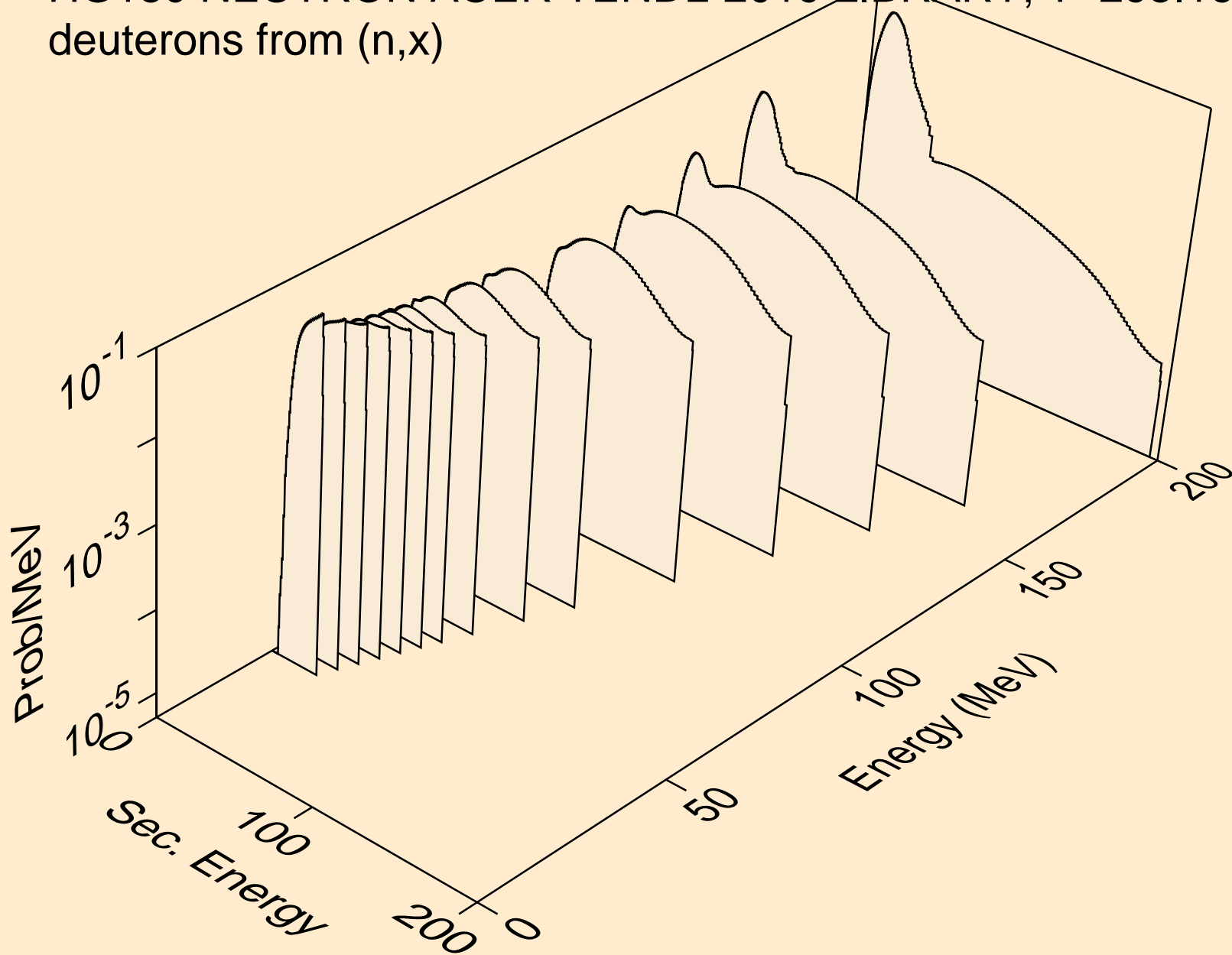
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



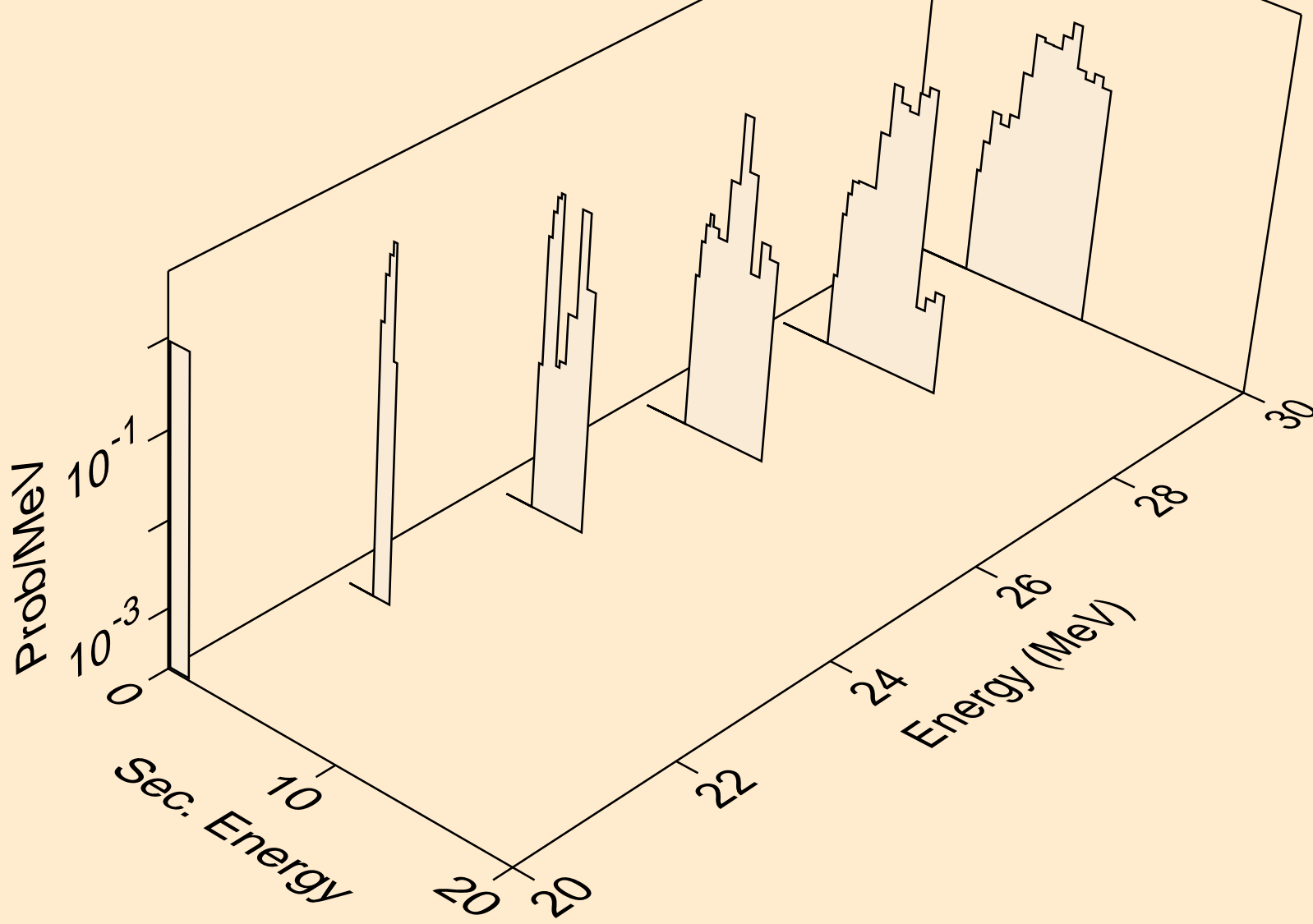
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



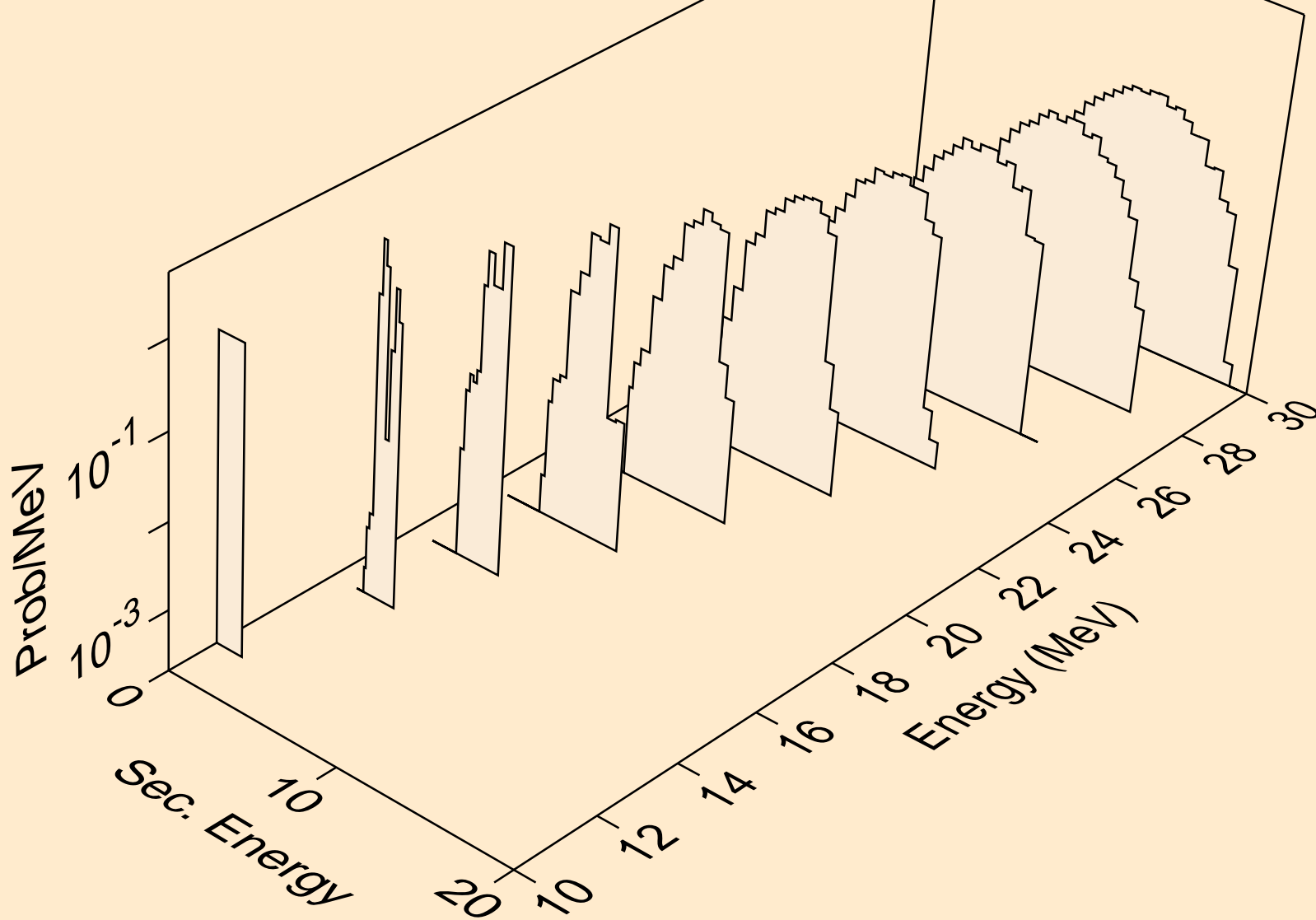
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



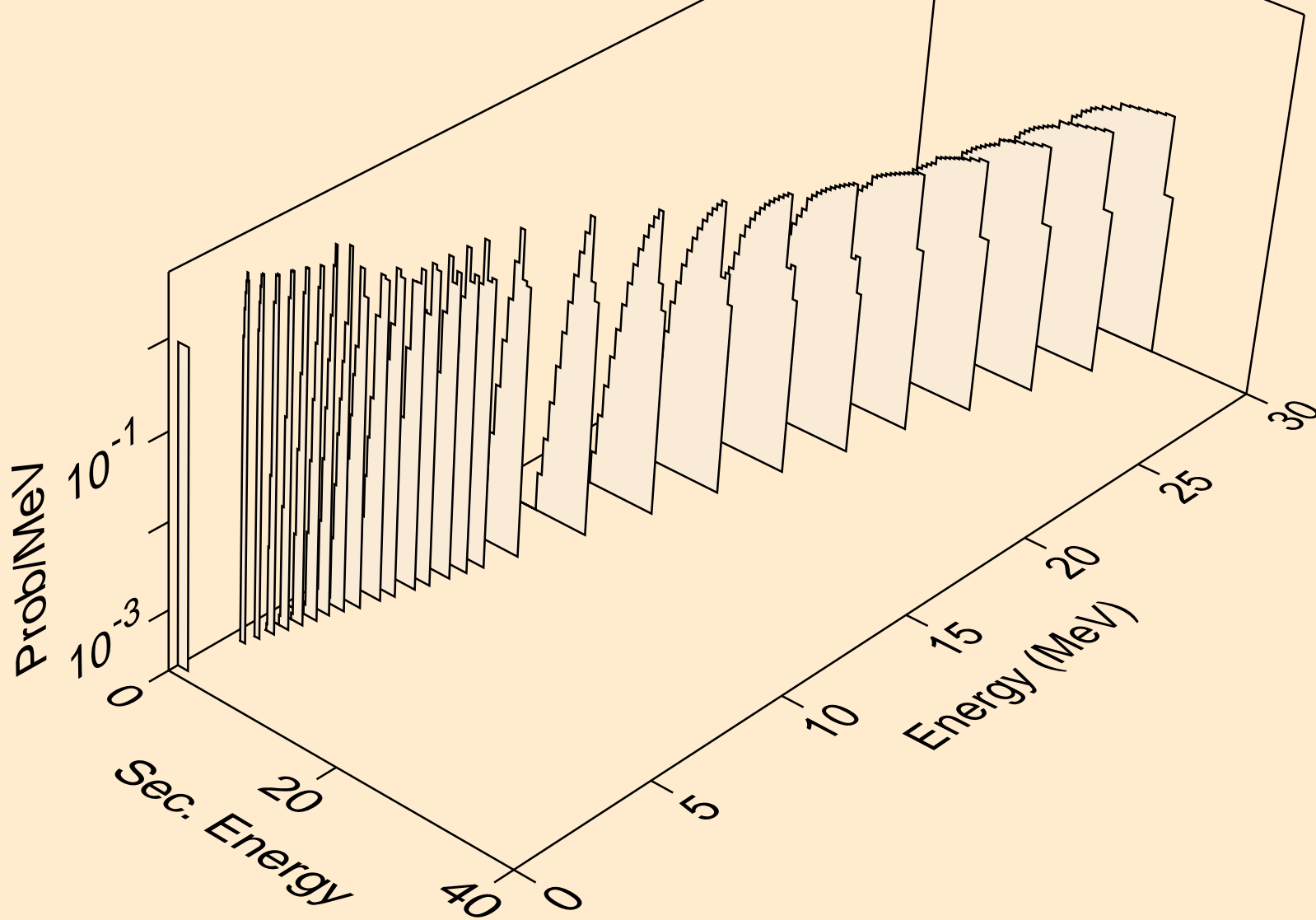
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



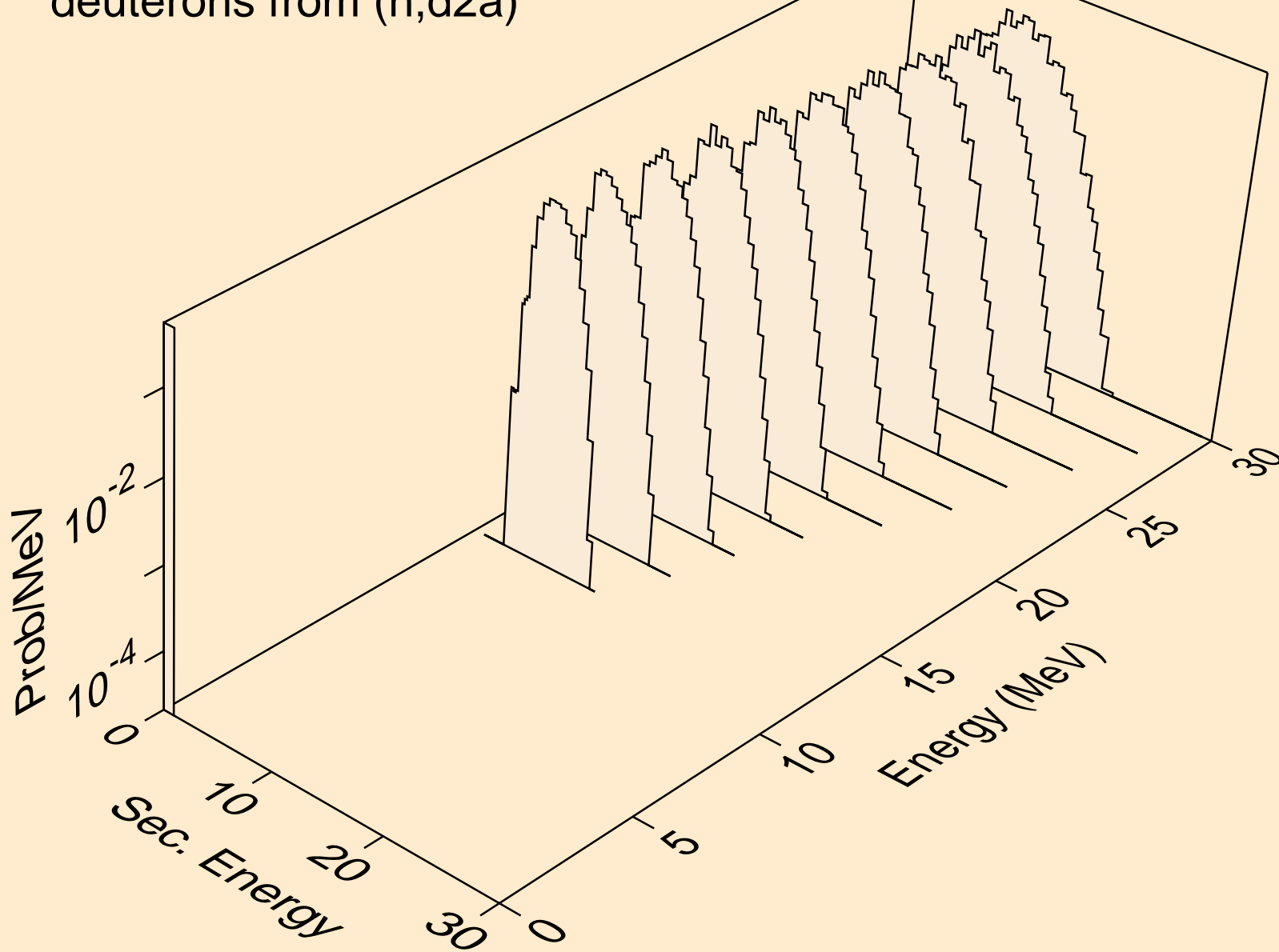
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



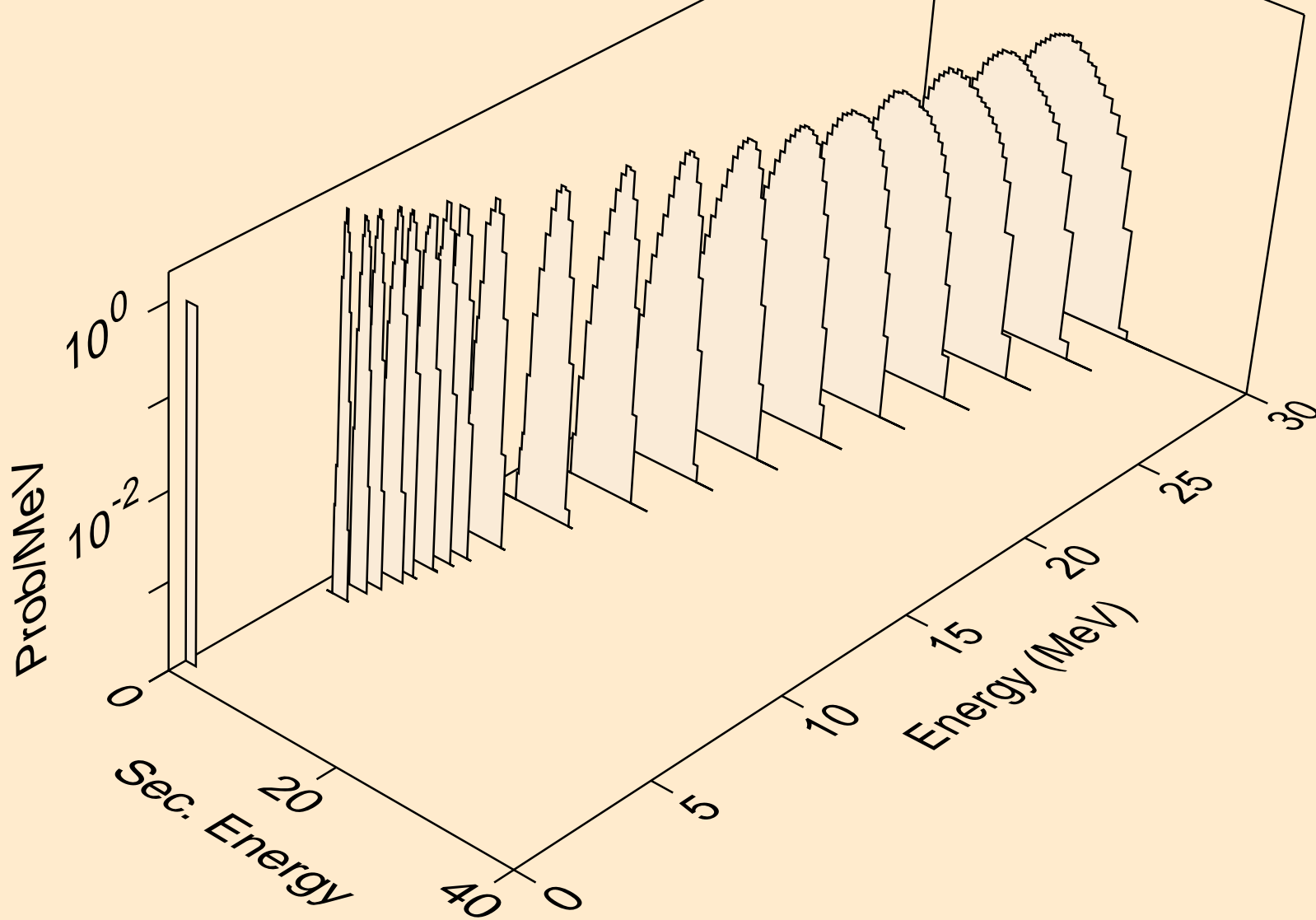
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



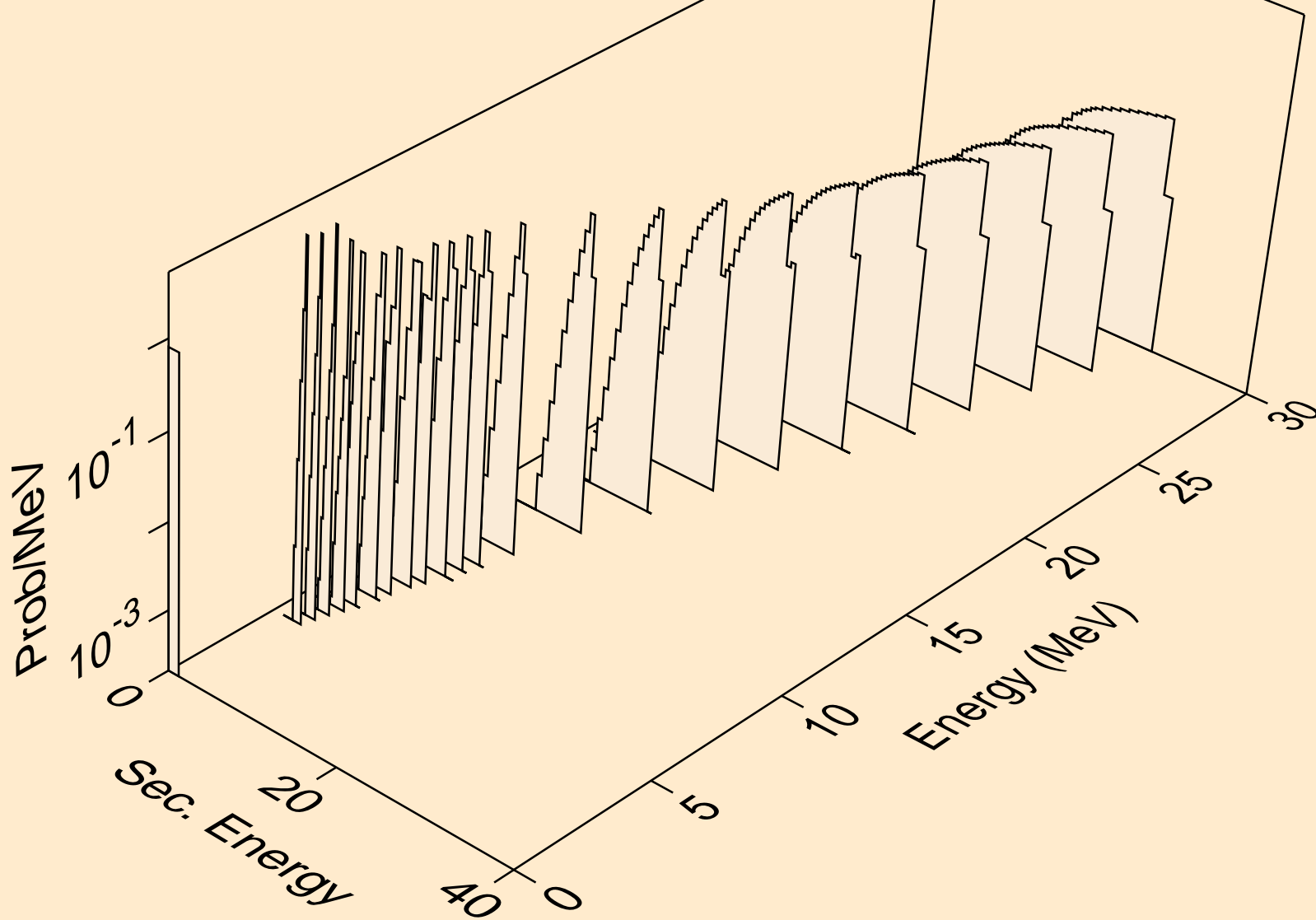
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d2a)



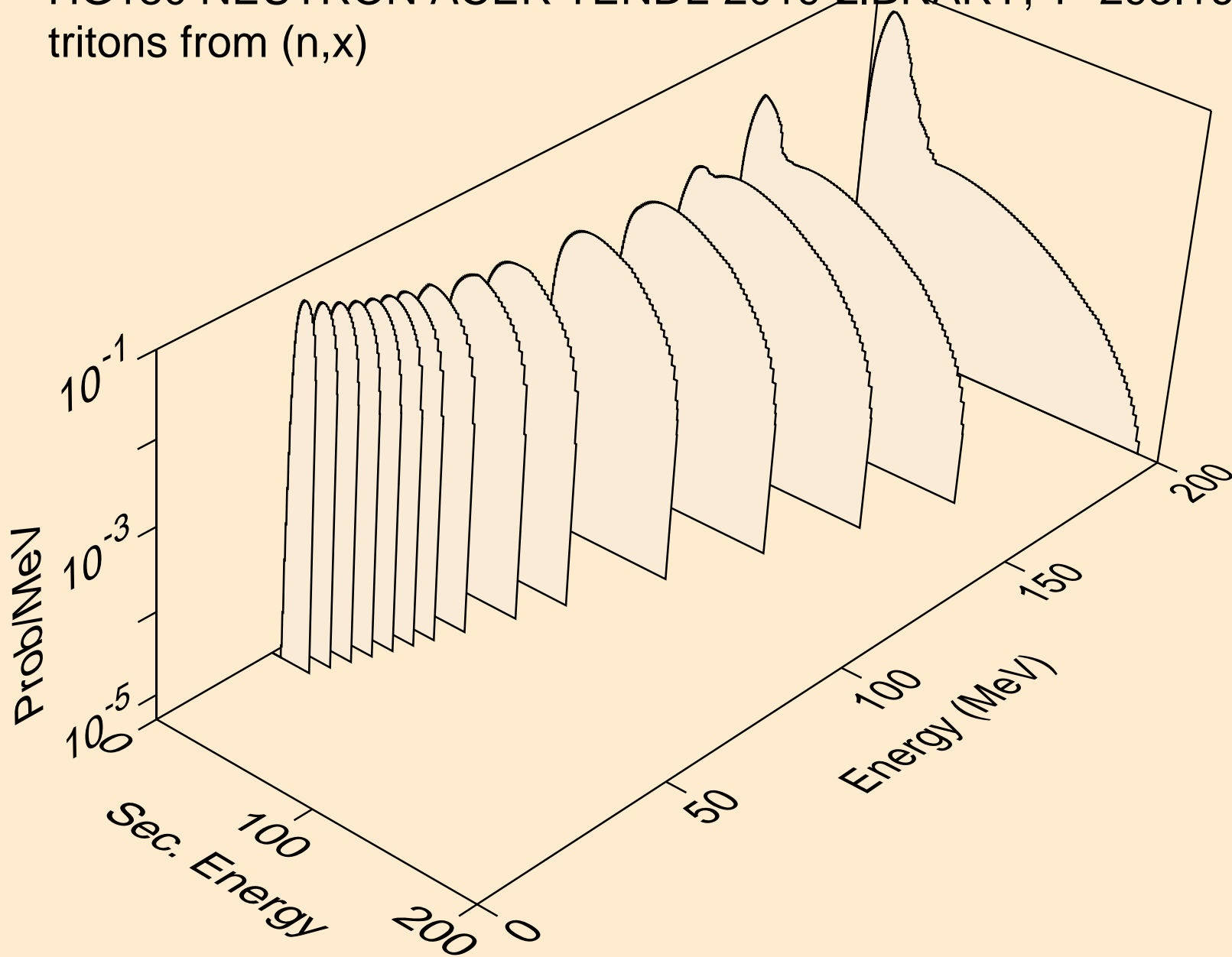
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



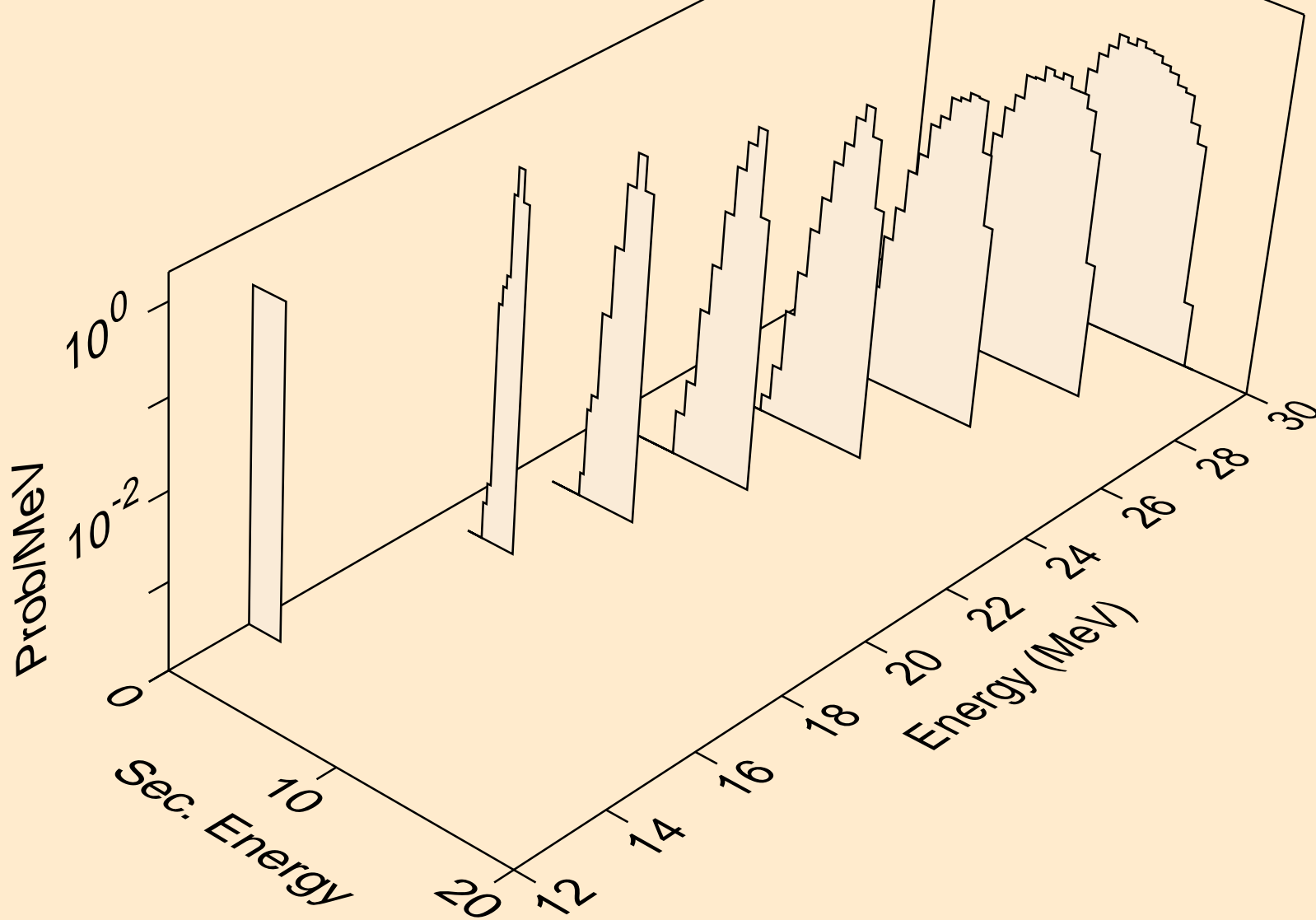
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



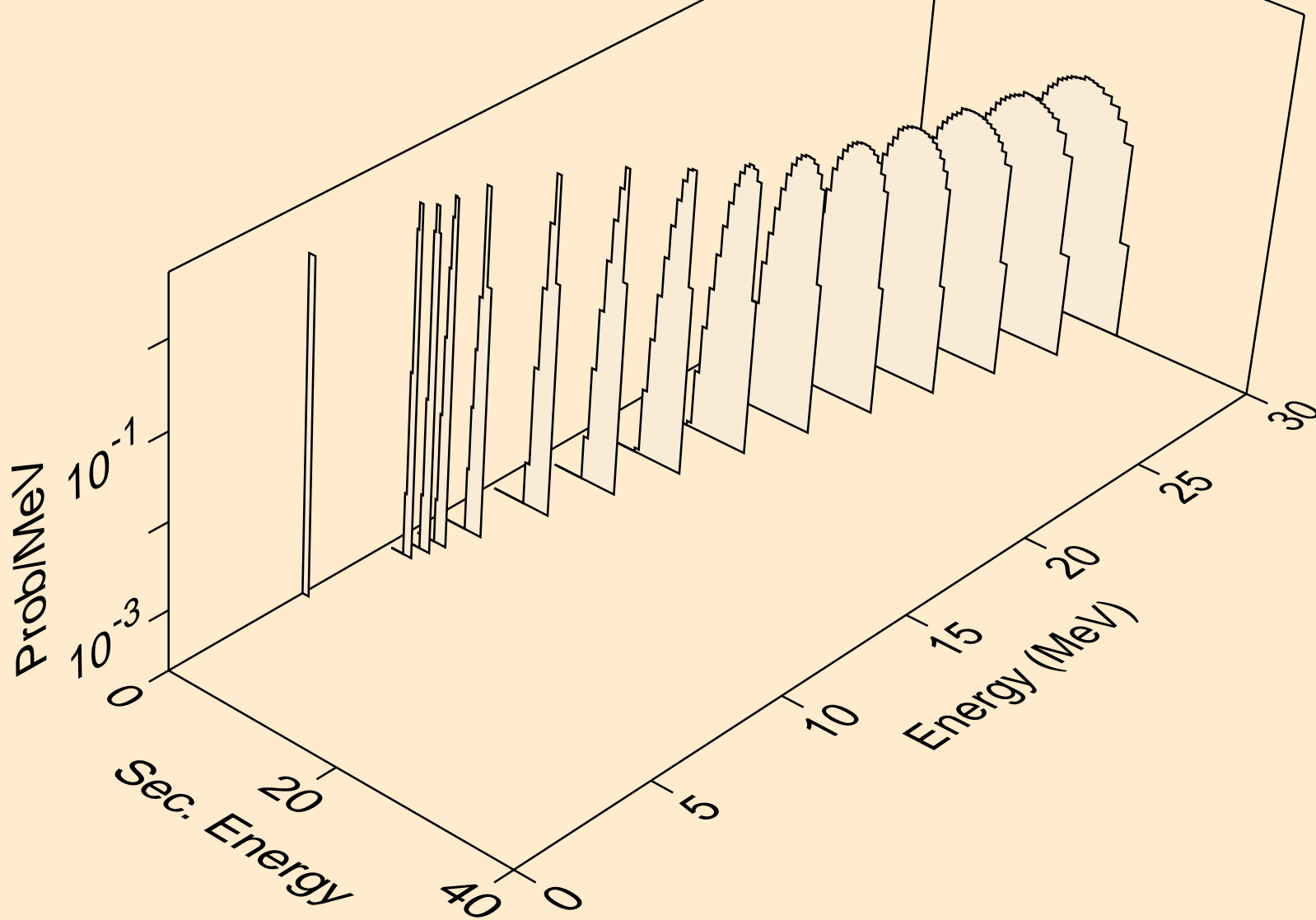
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



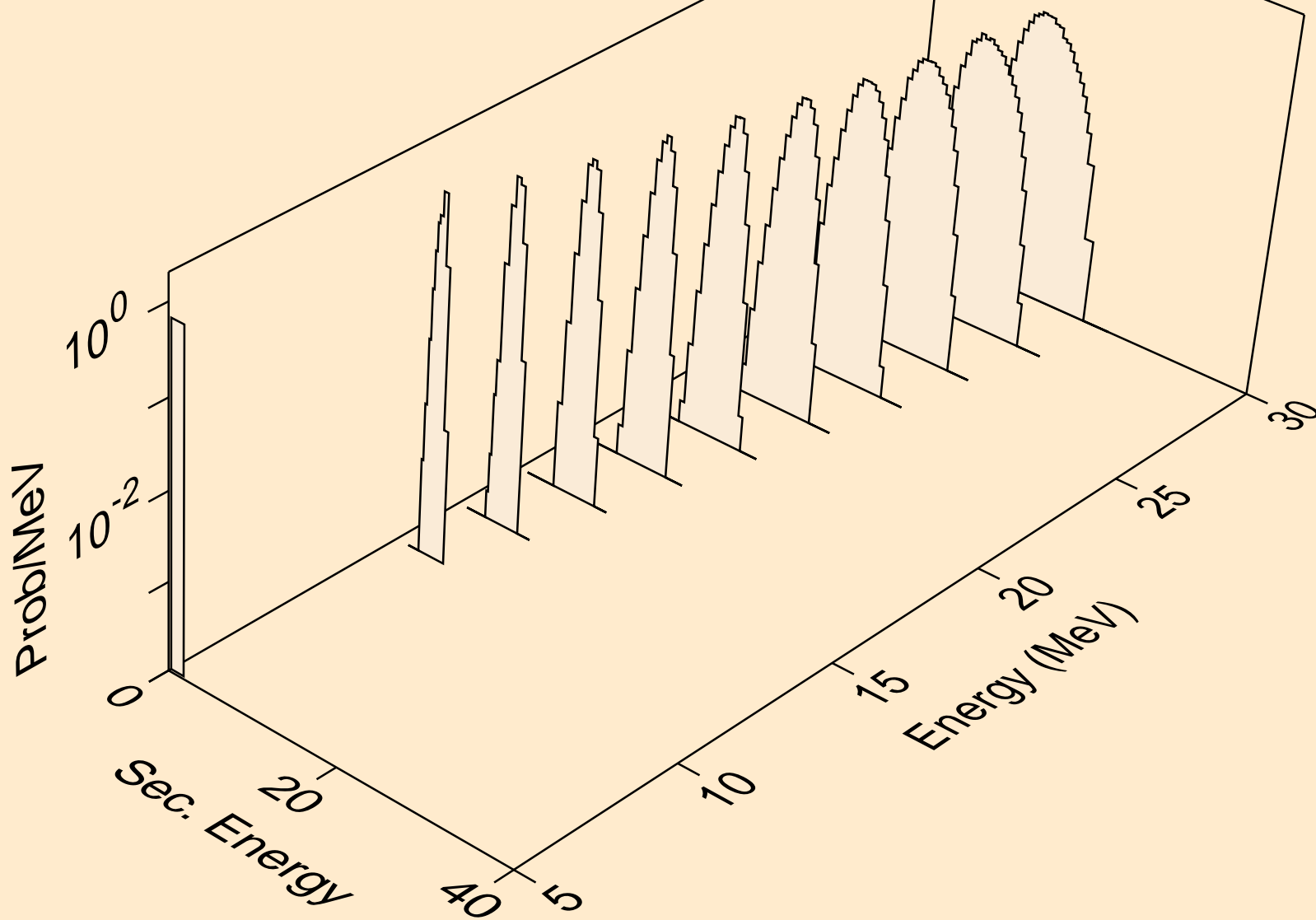
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



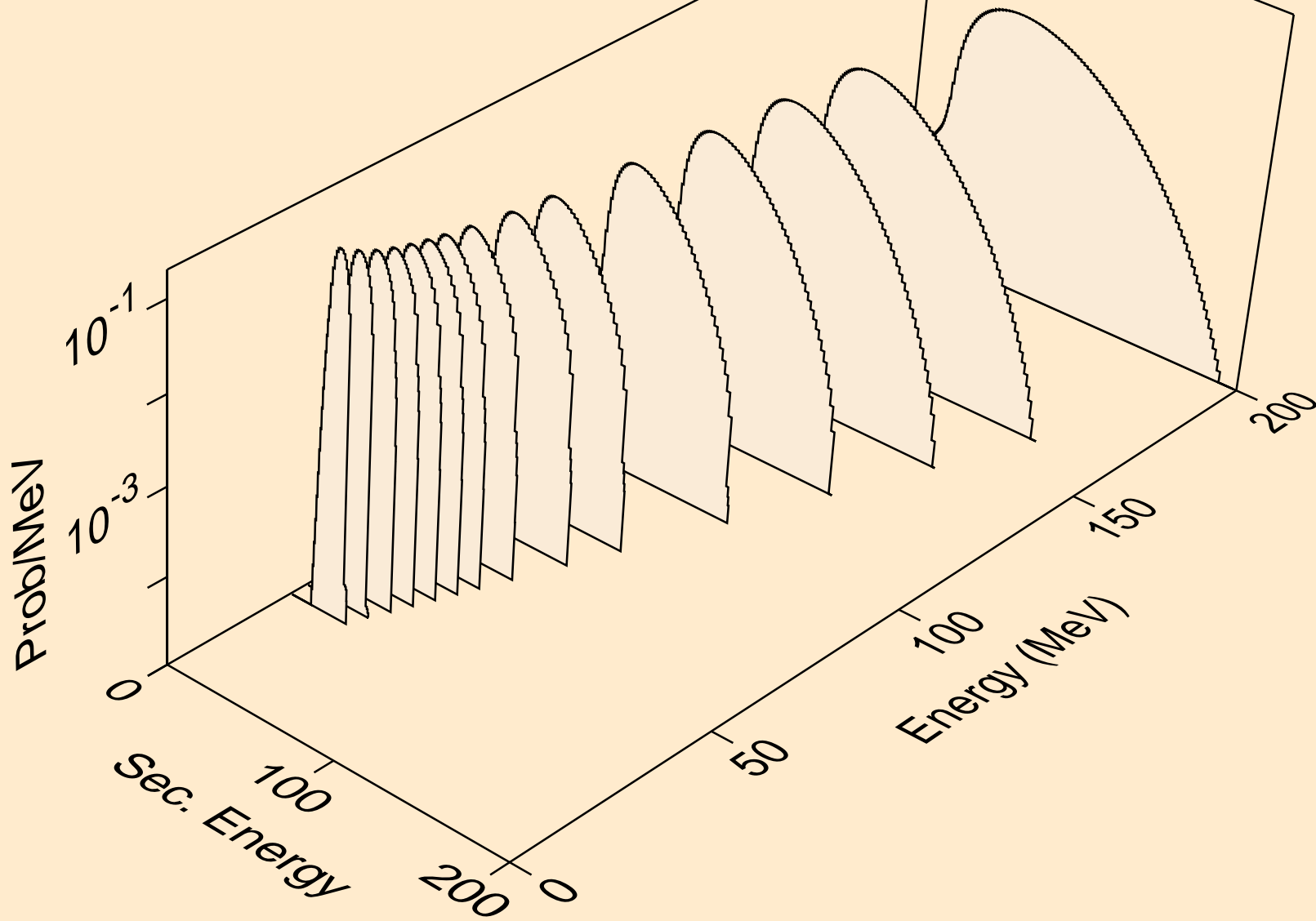
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



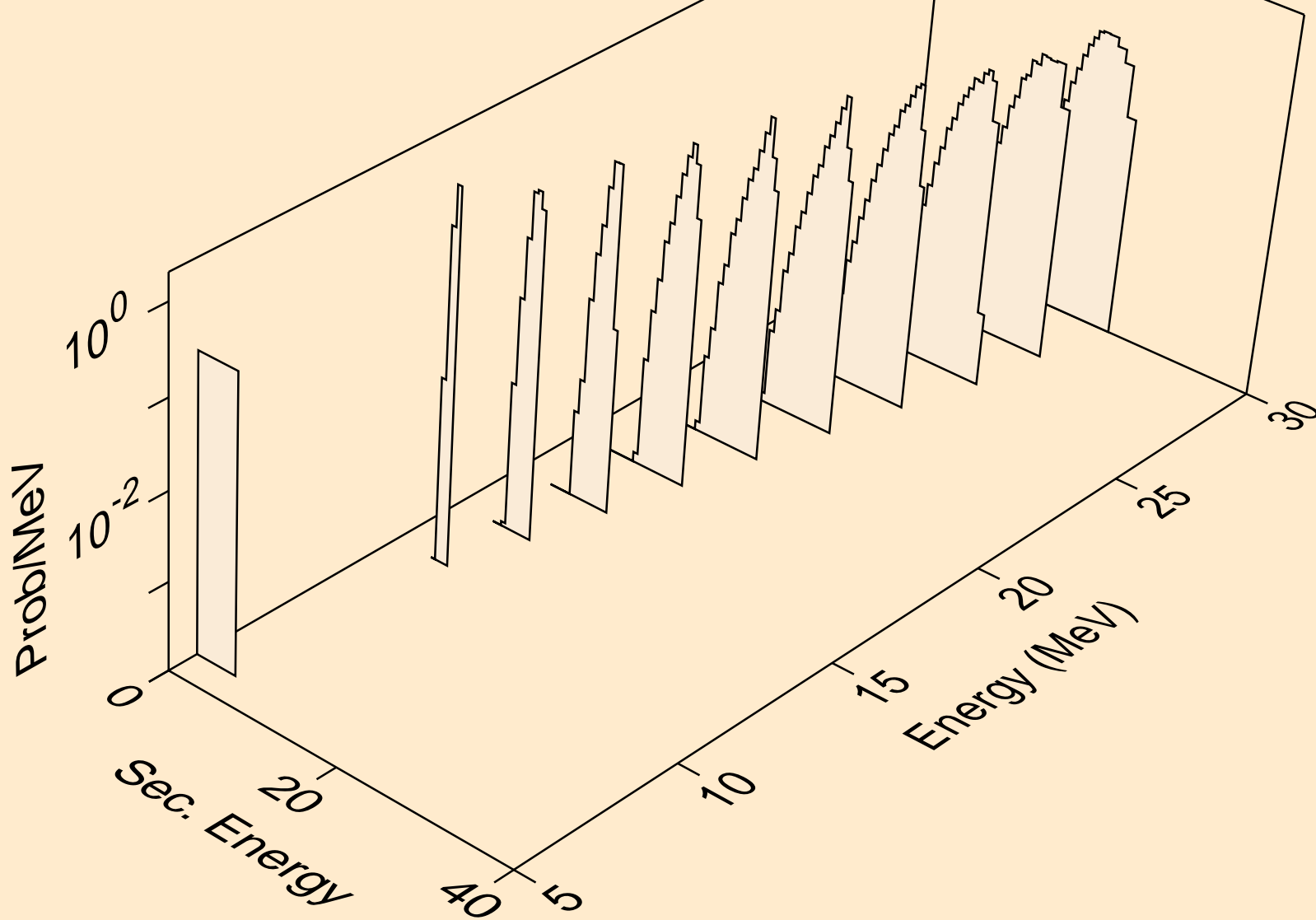
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



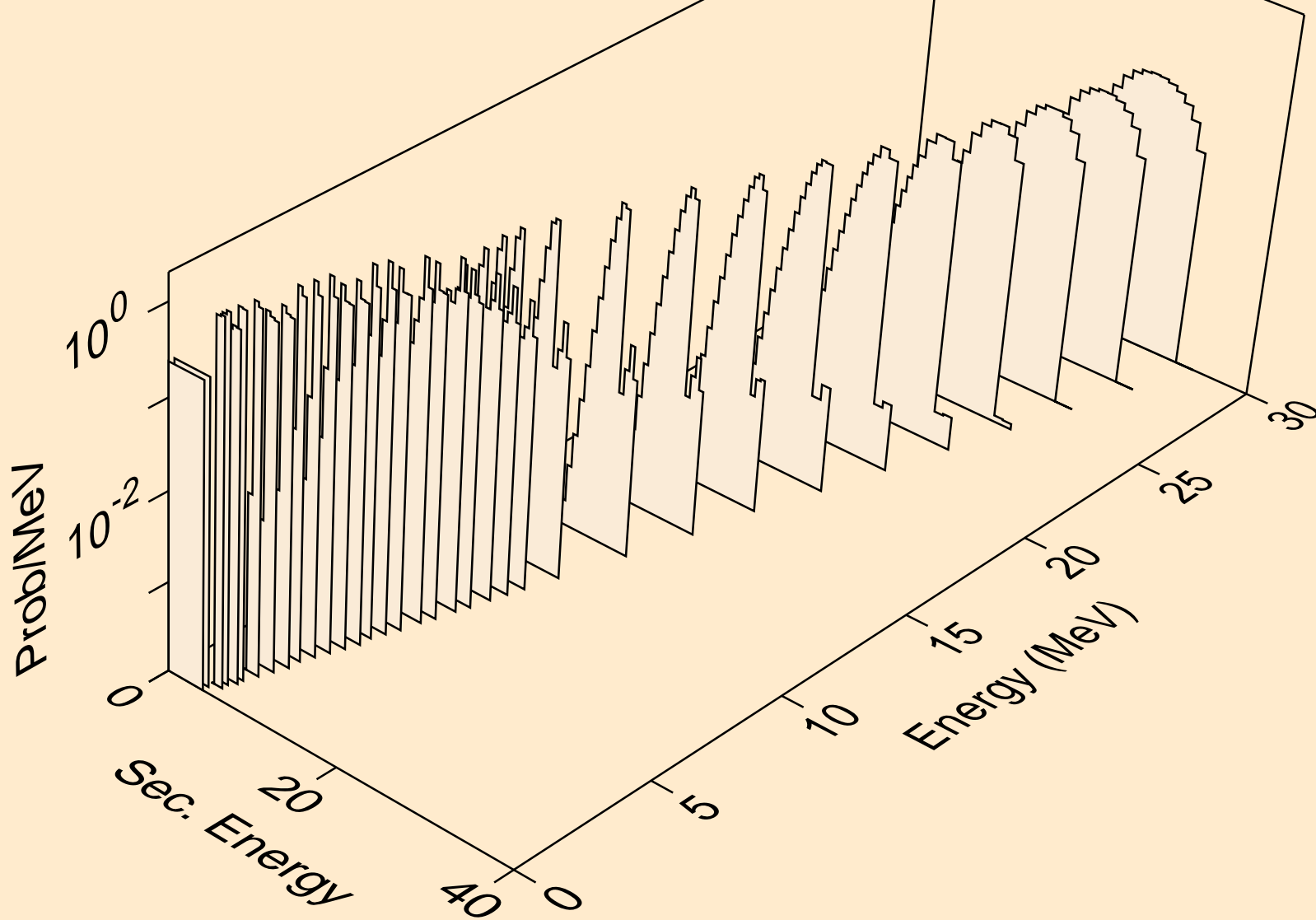
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



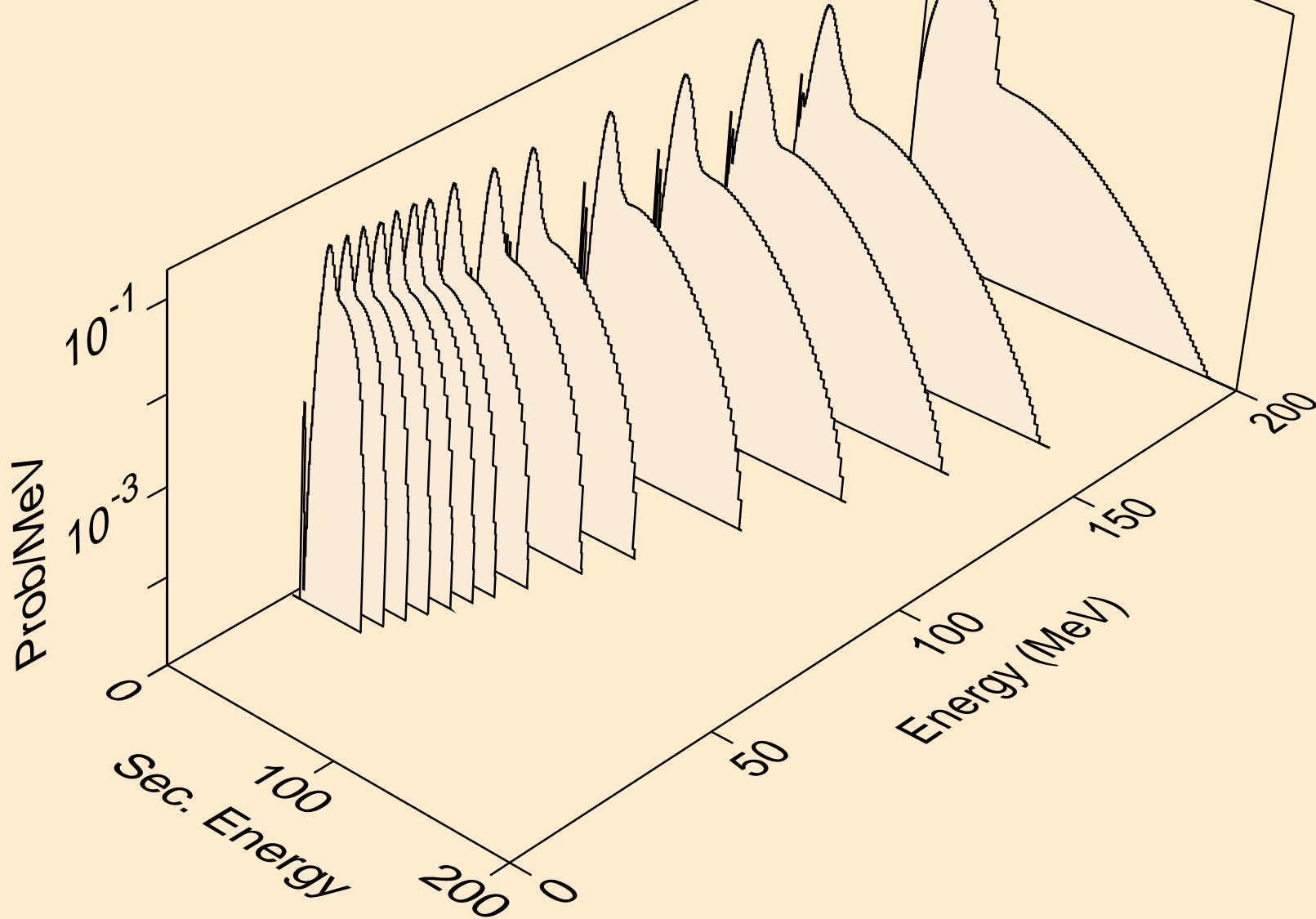
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



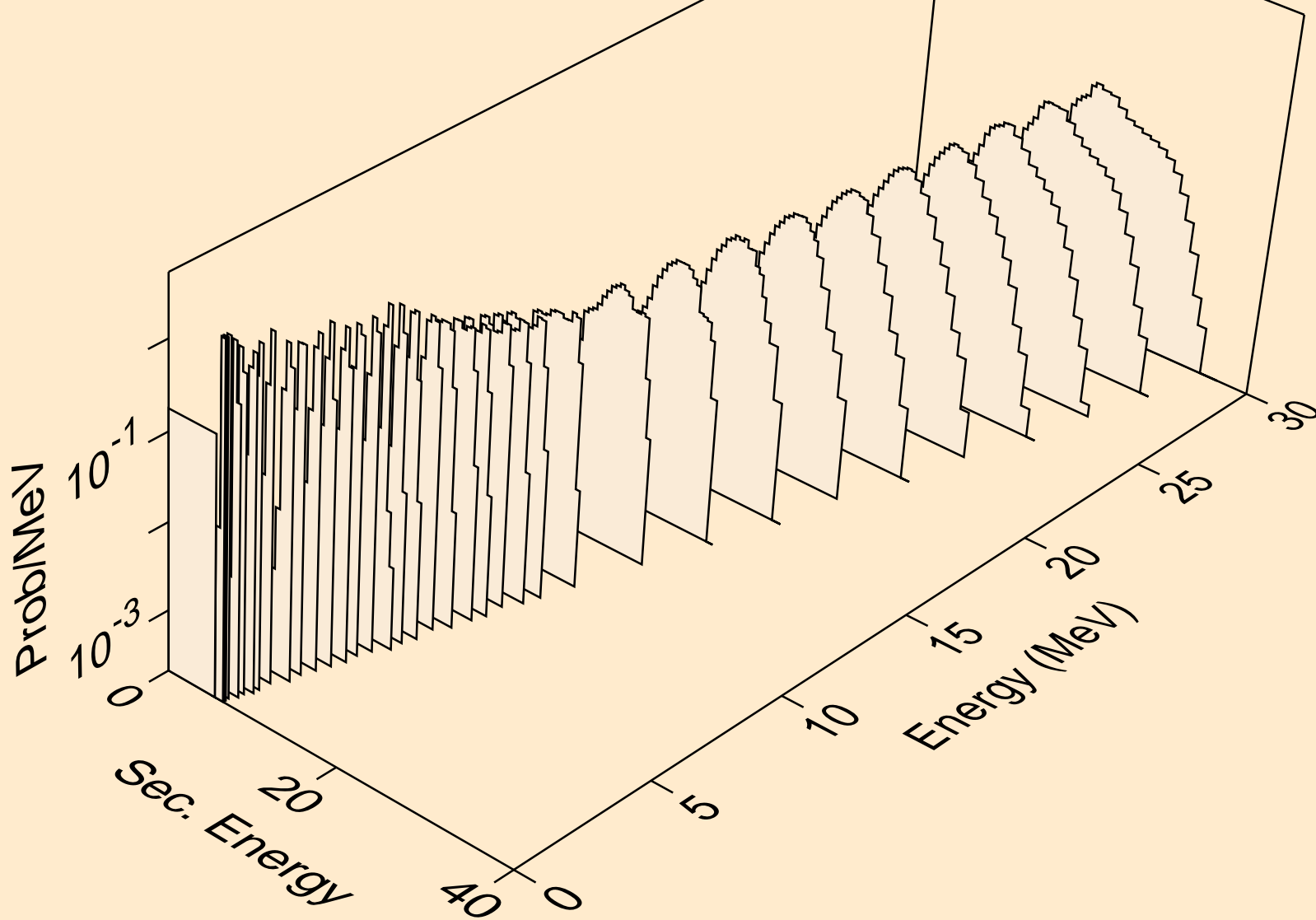
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



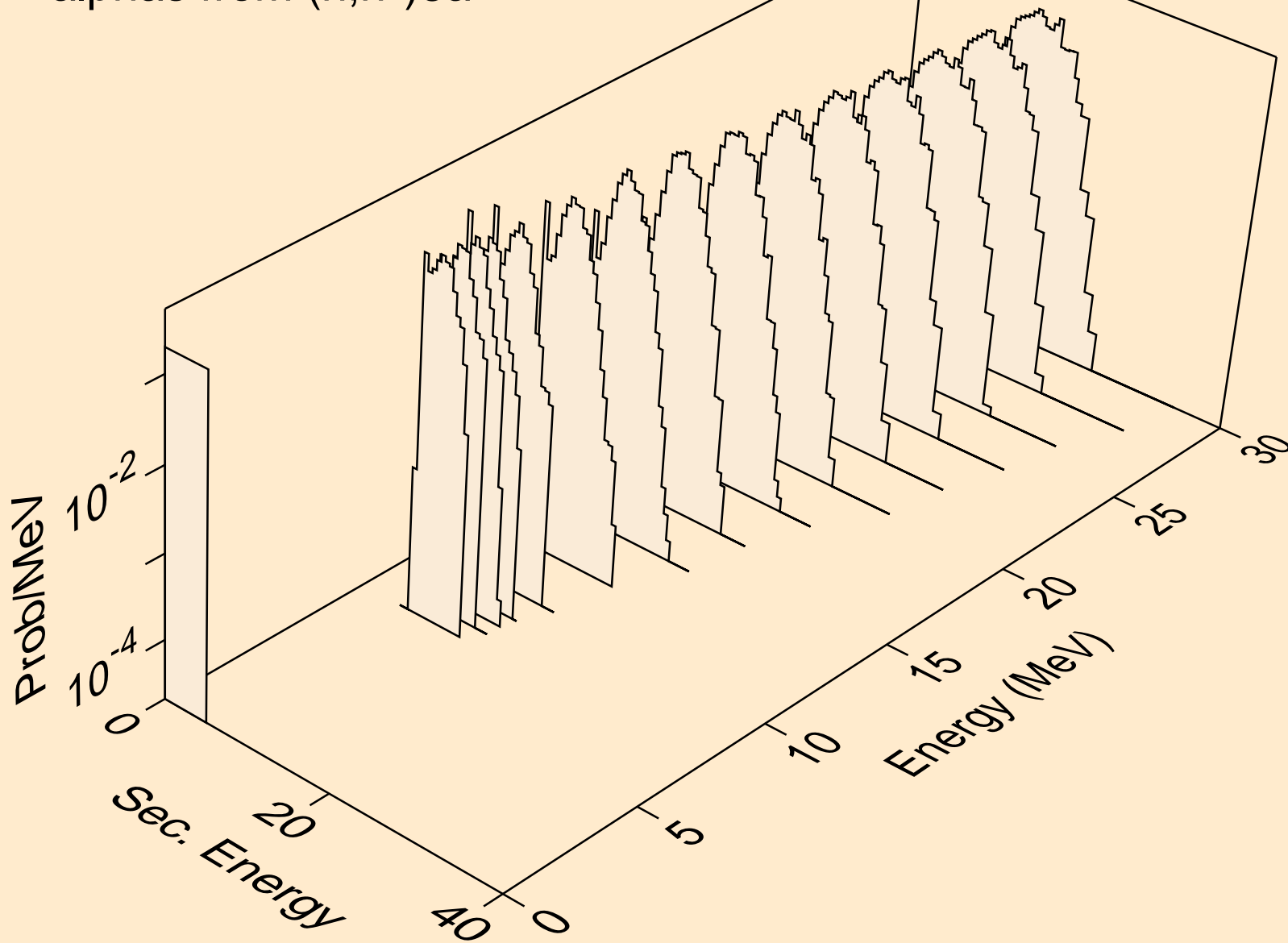
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



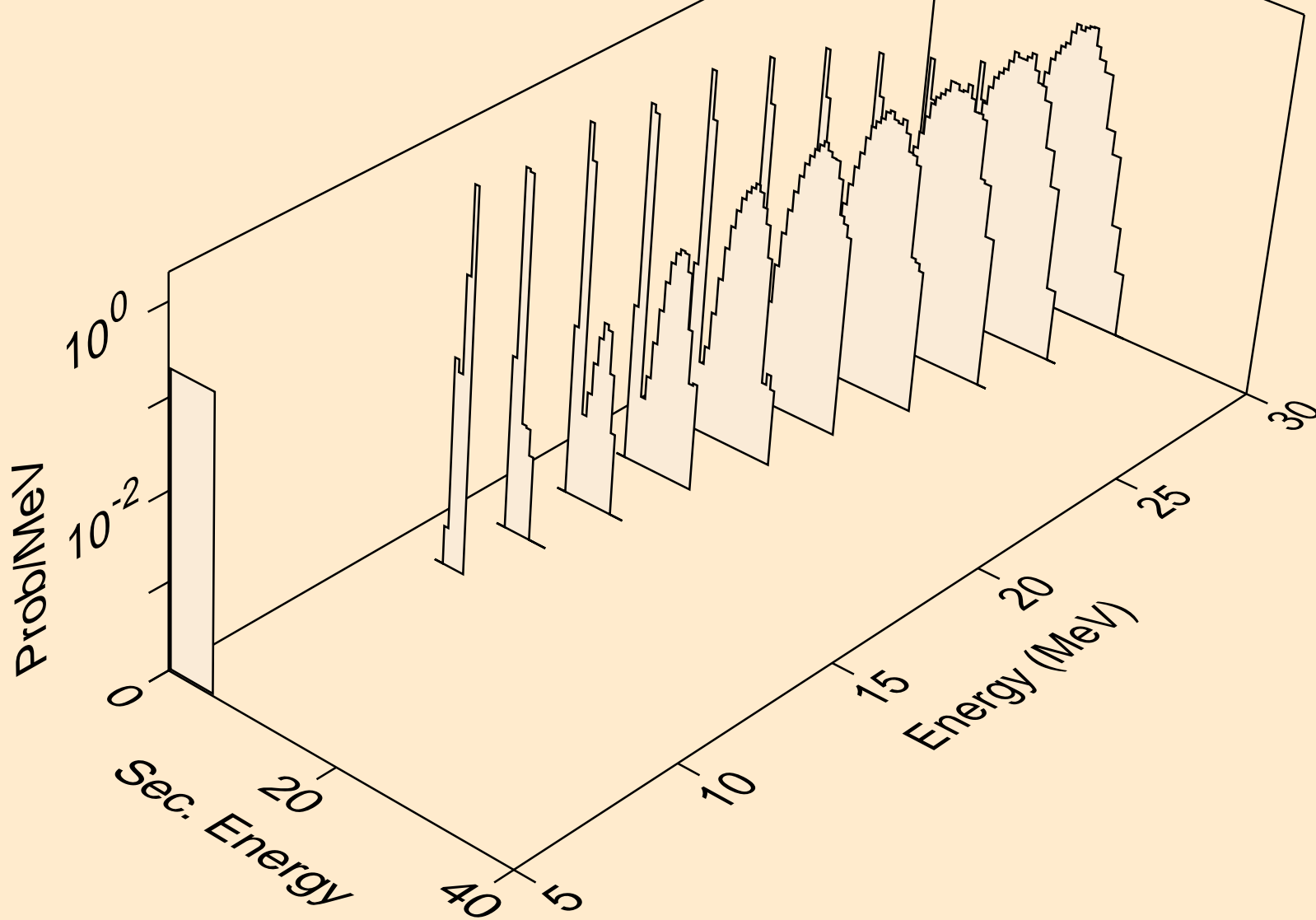
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



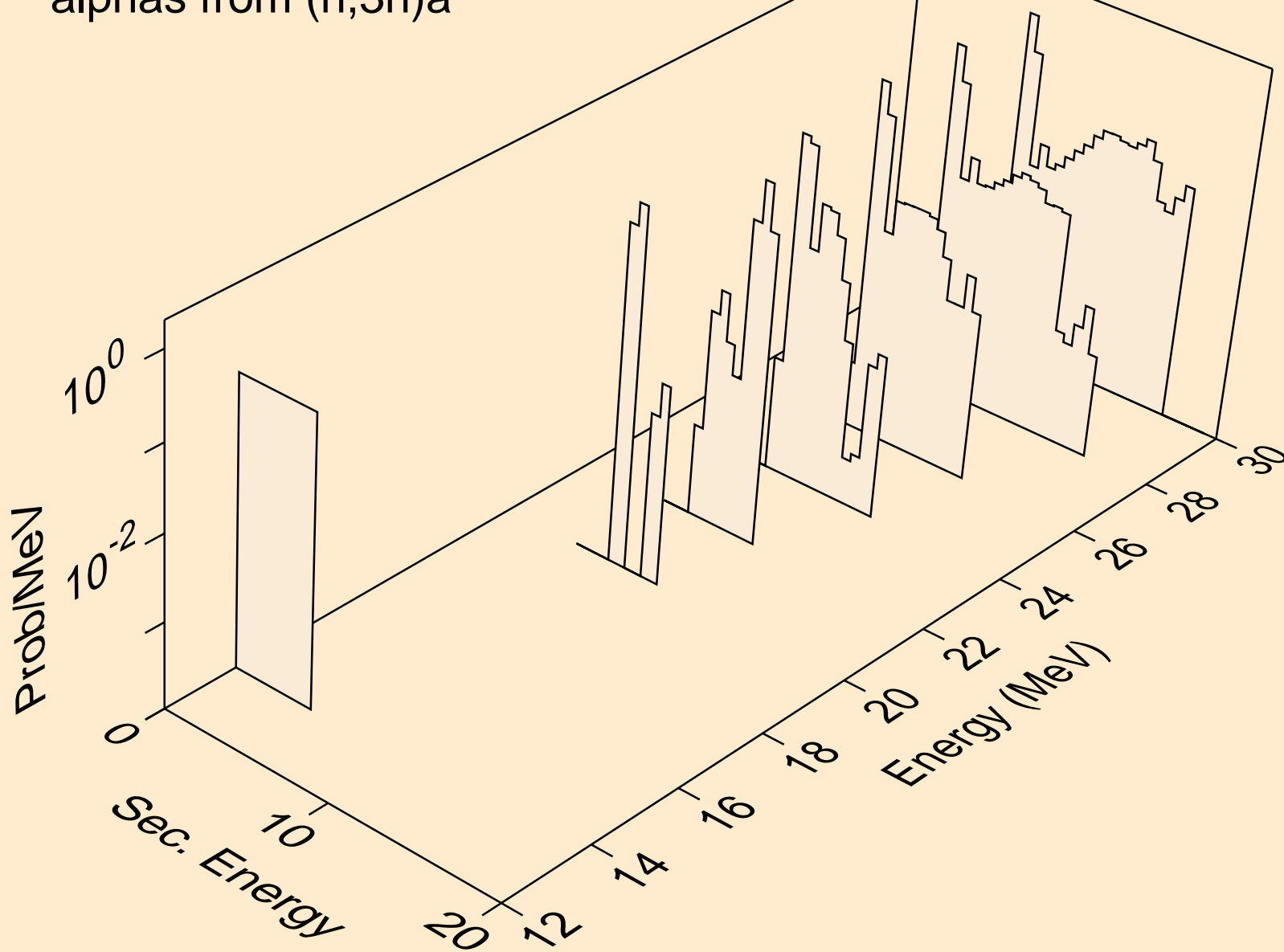
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)3a



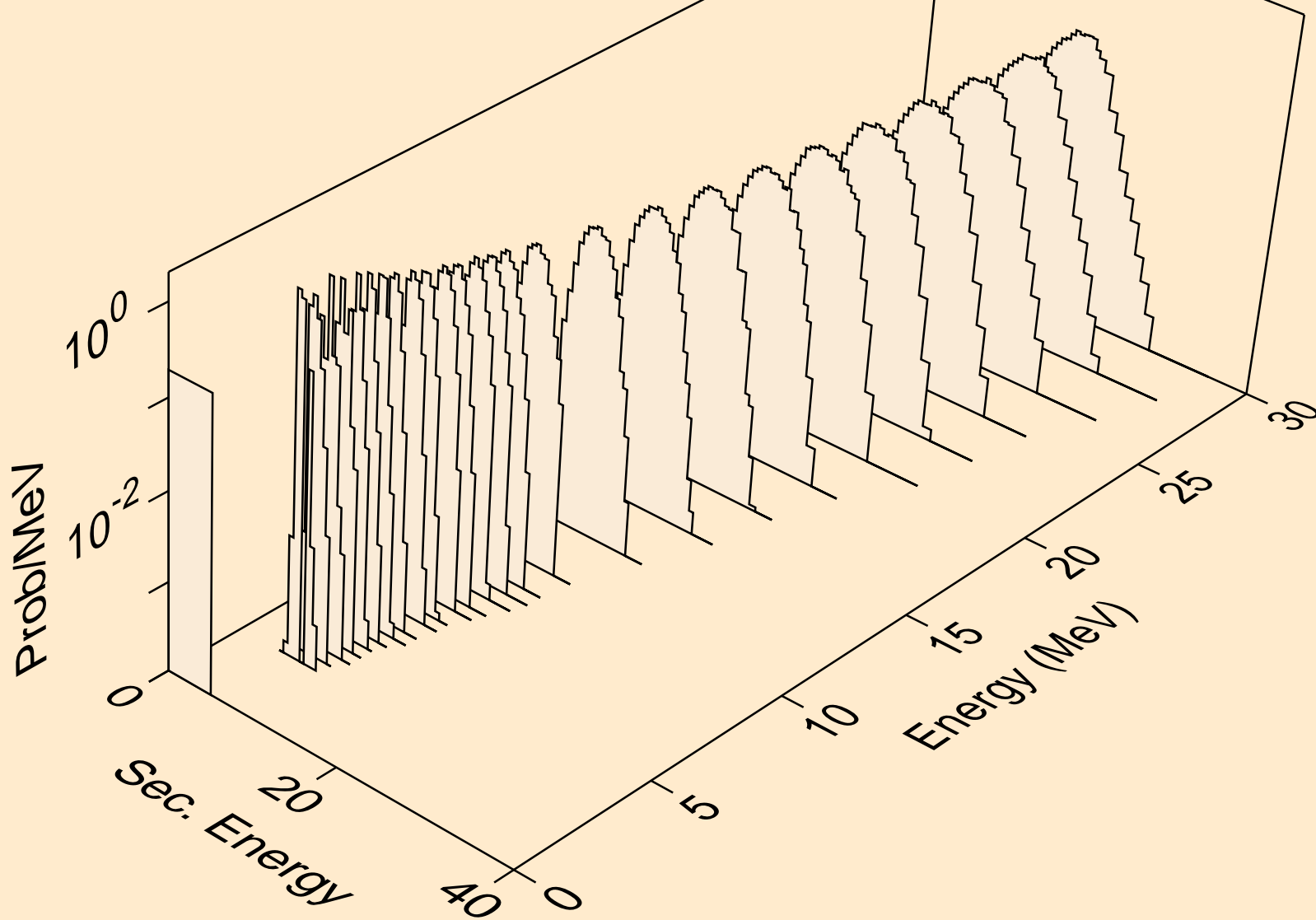
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



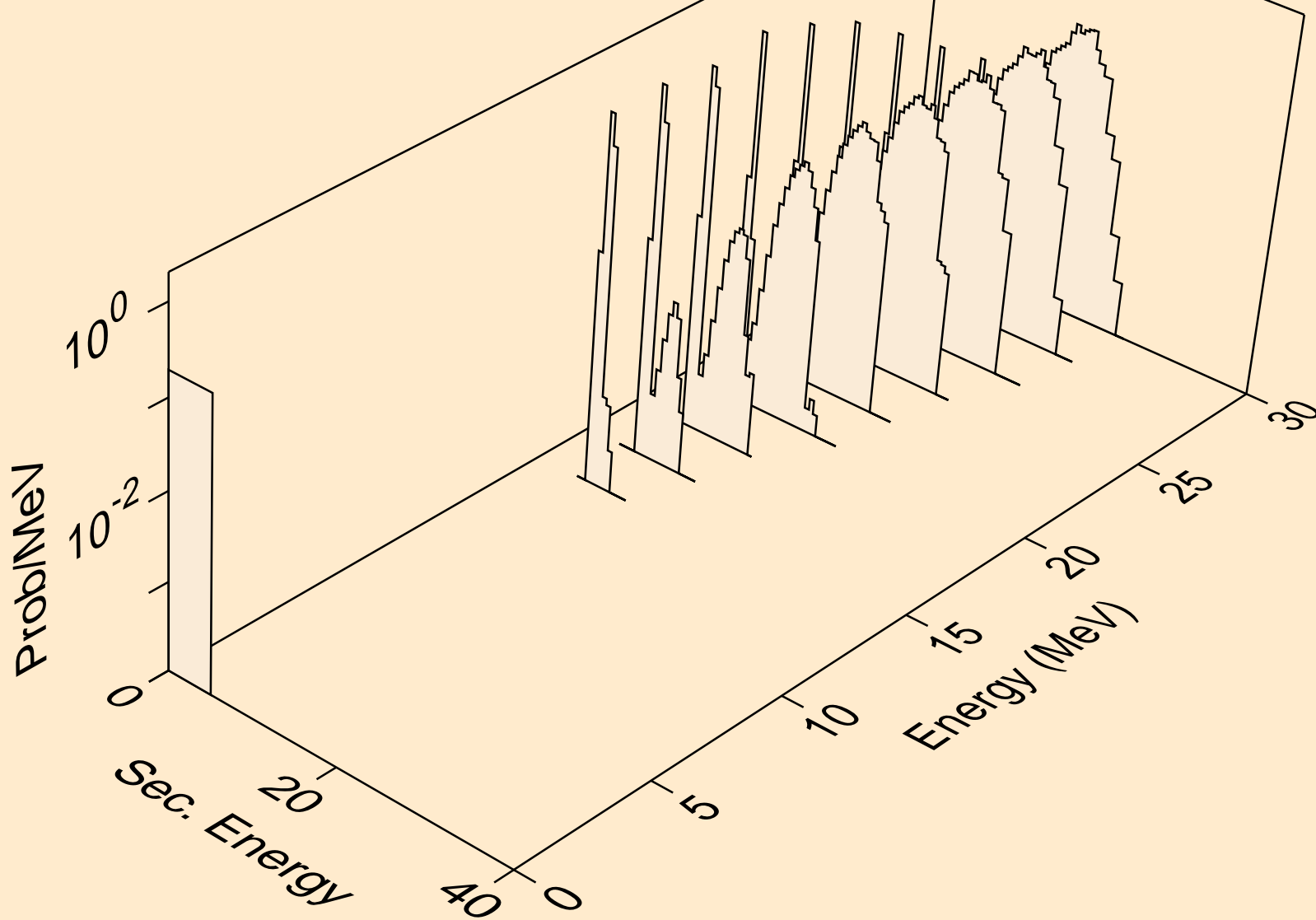
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



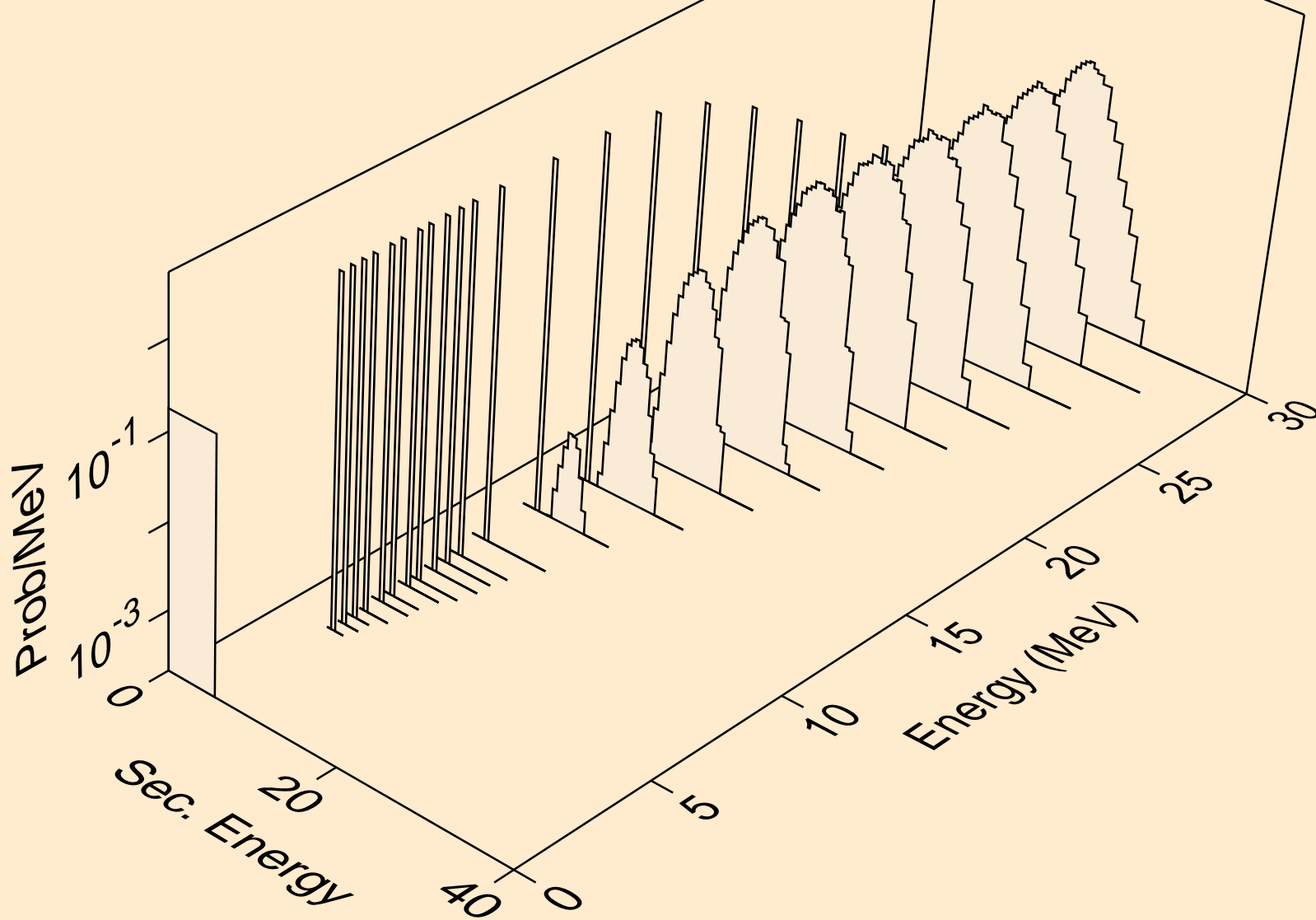
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



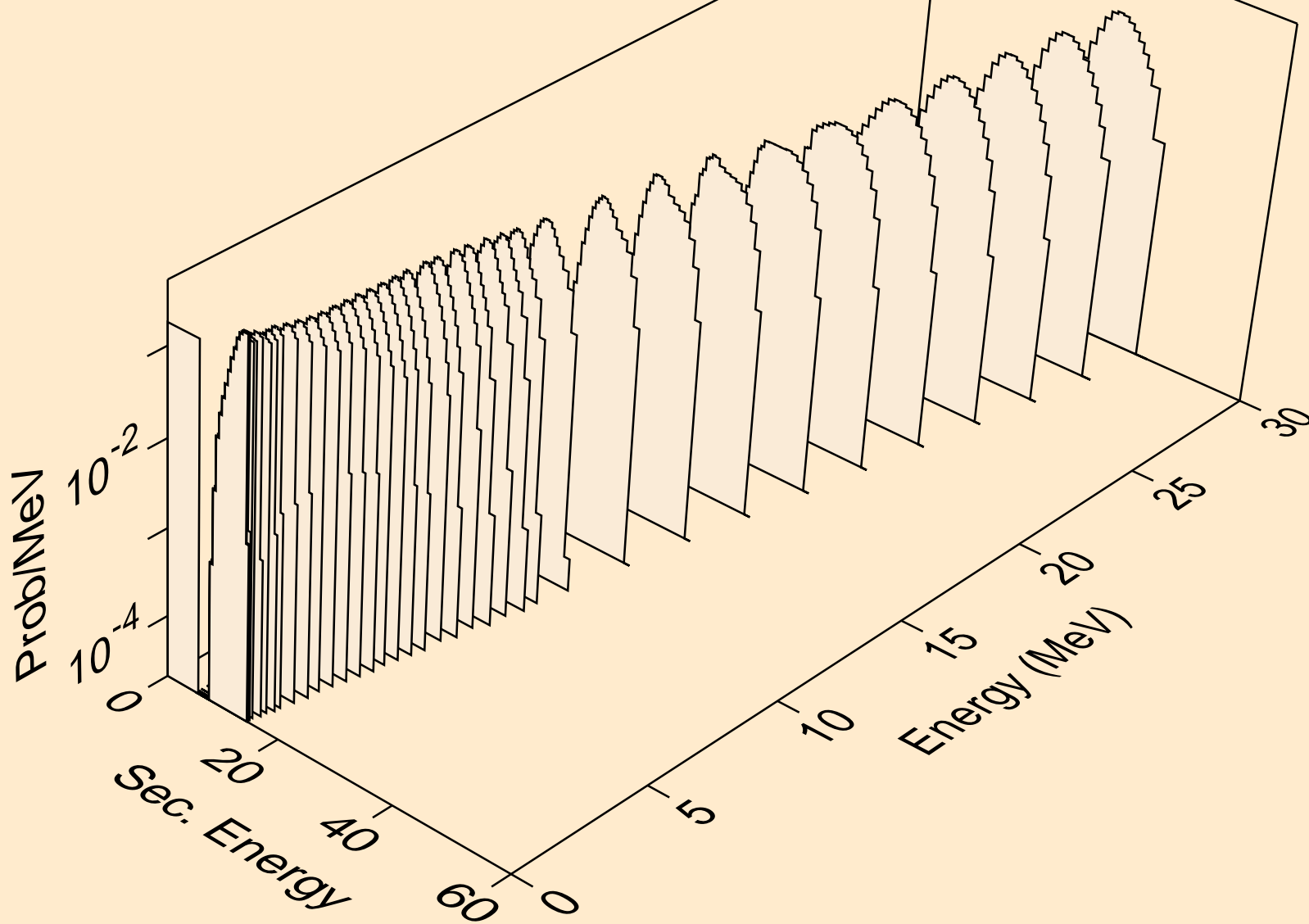
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



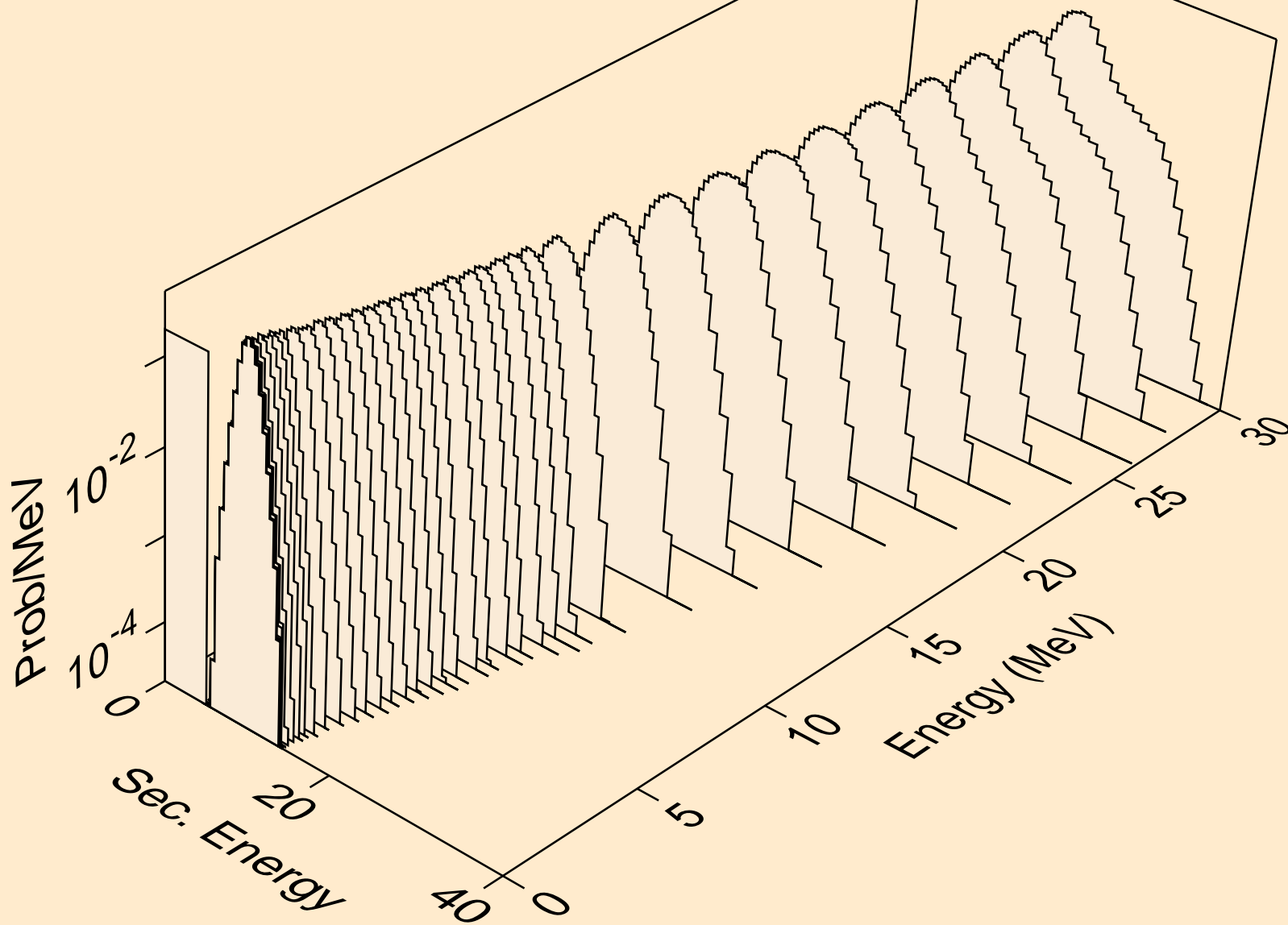
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



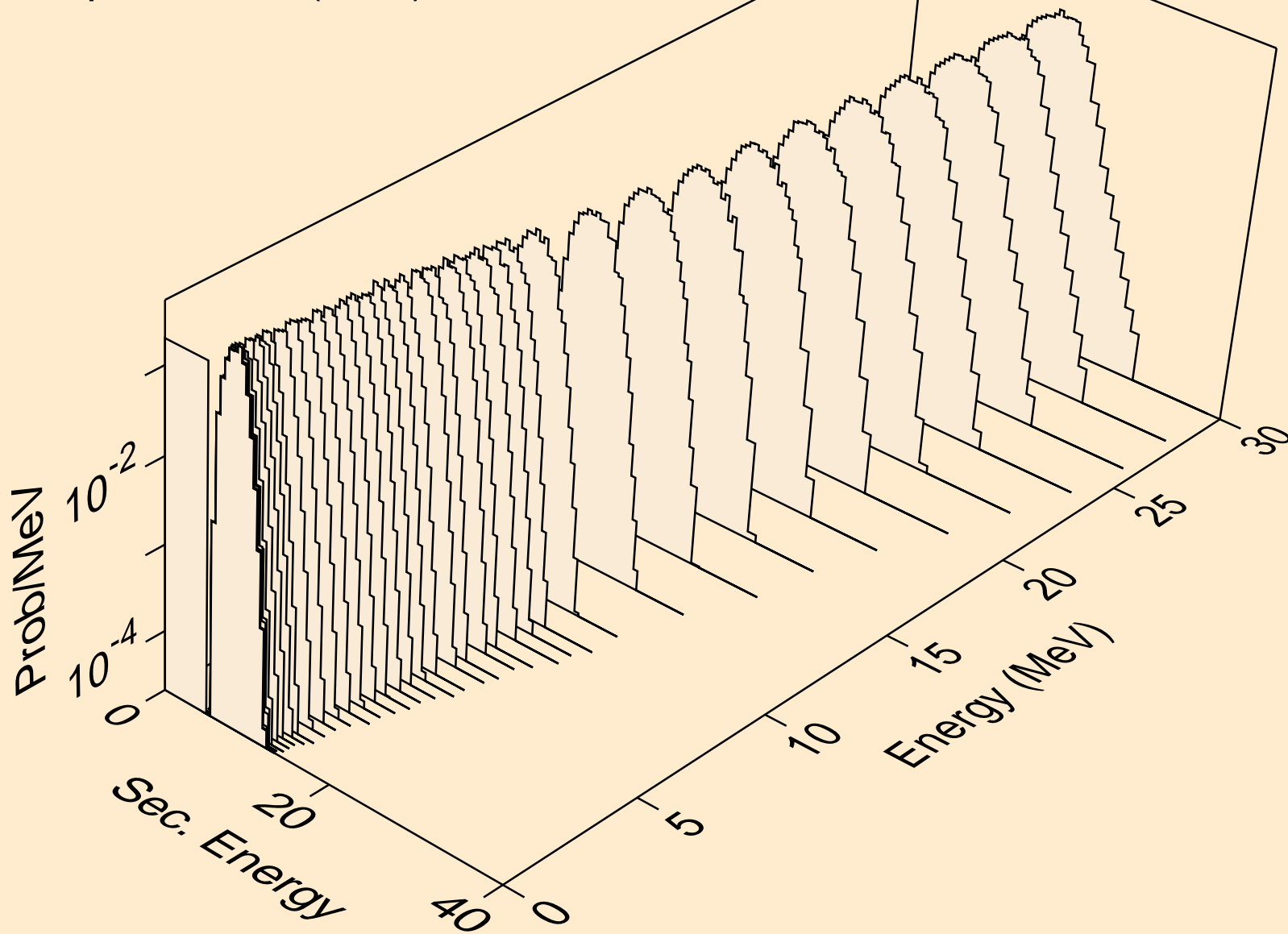
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



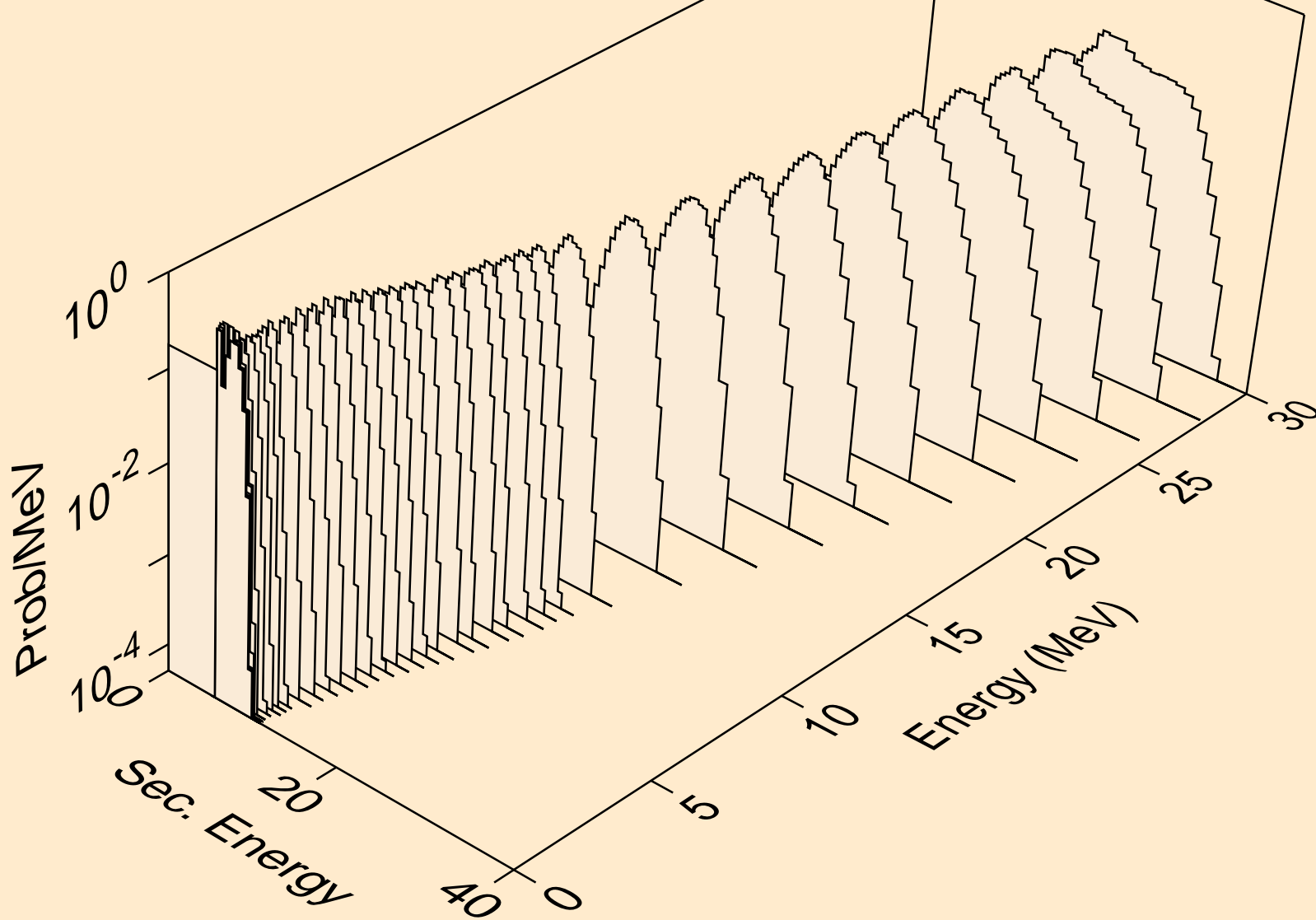
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



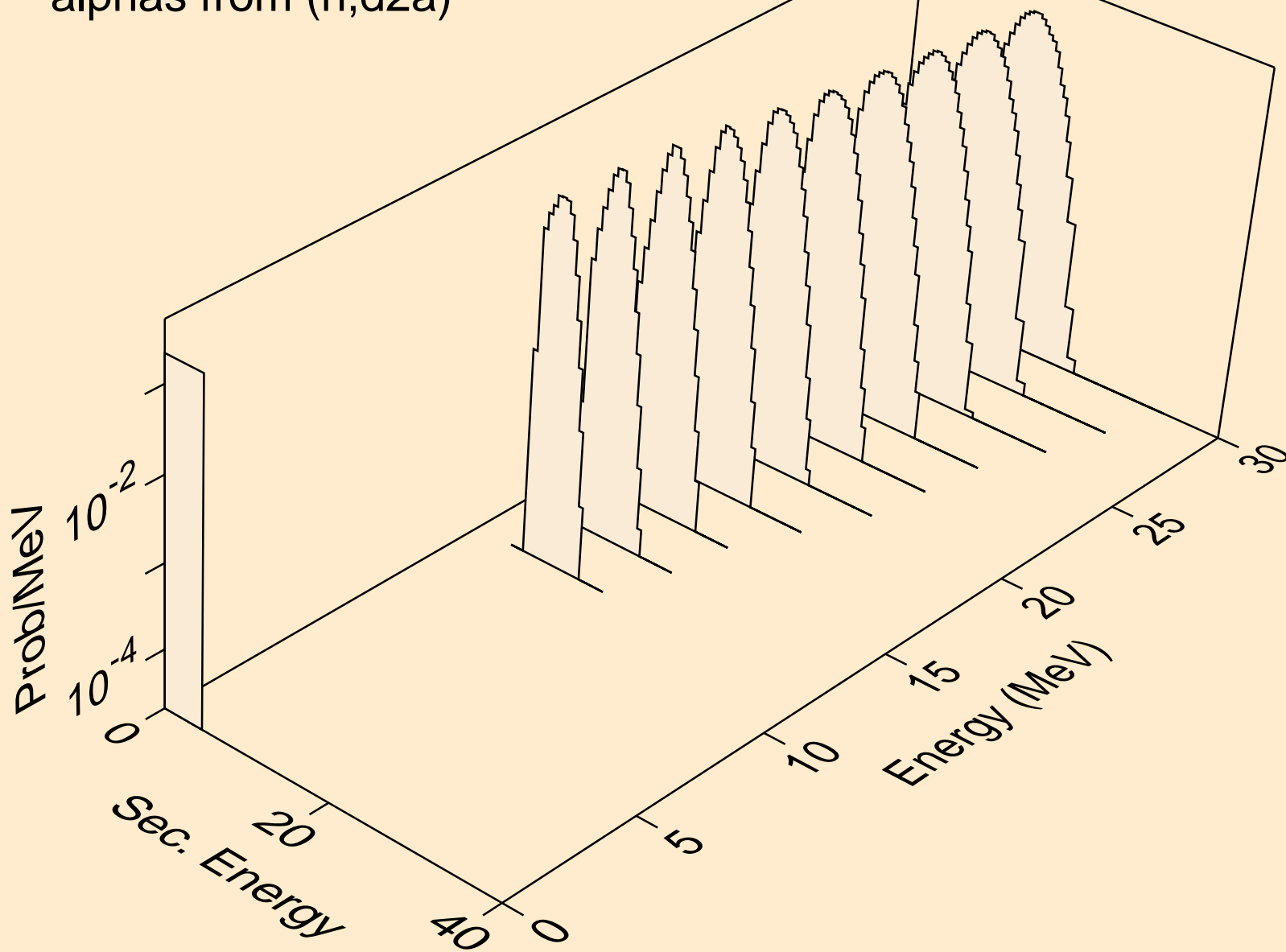
HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,d2a)



HG180 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

