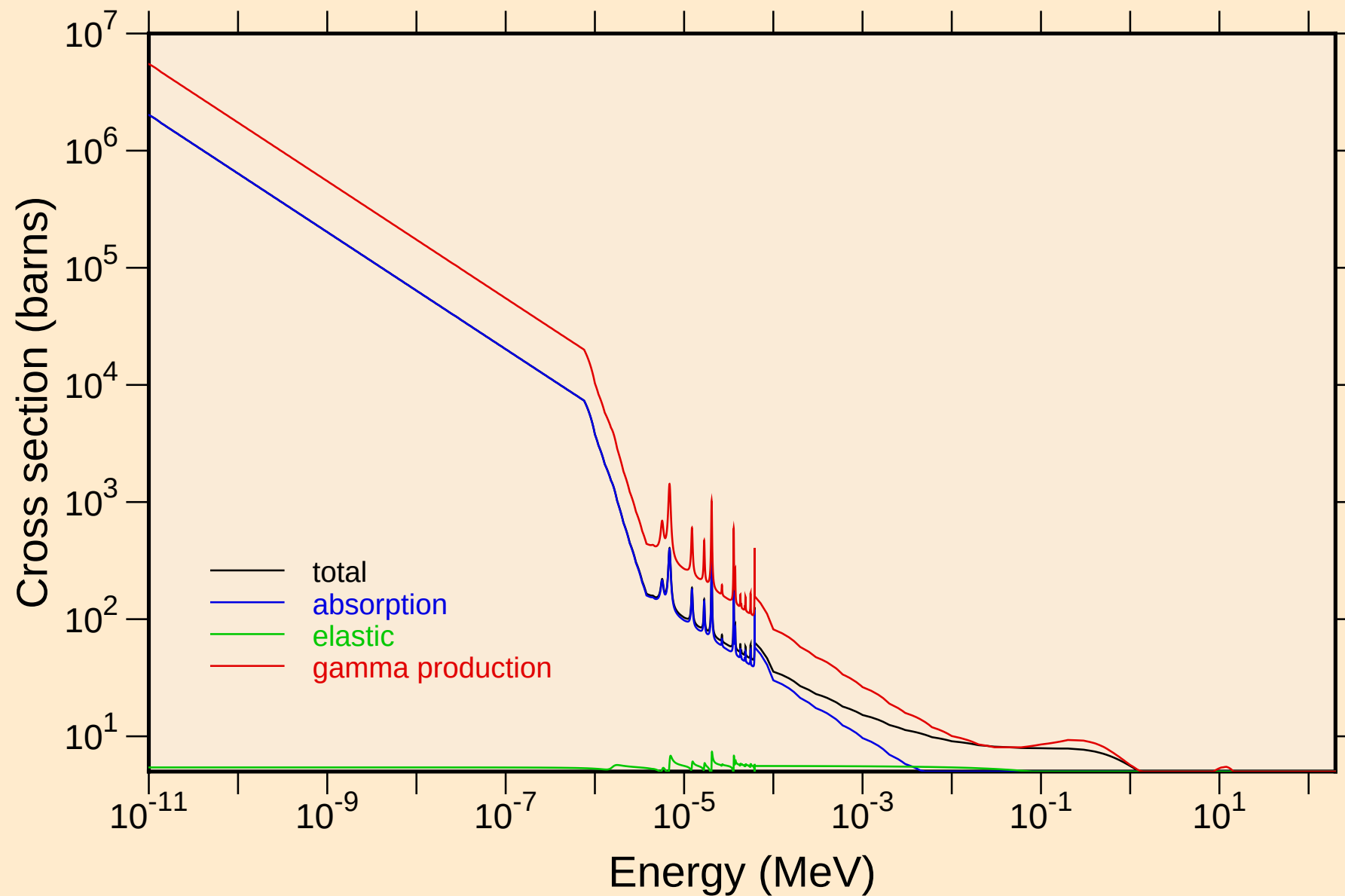
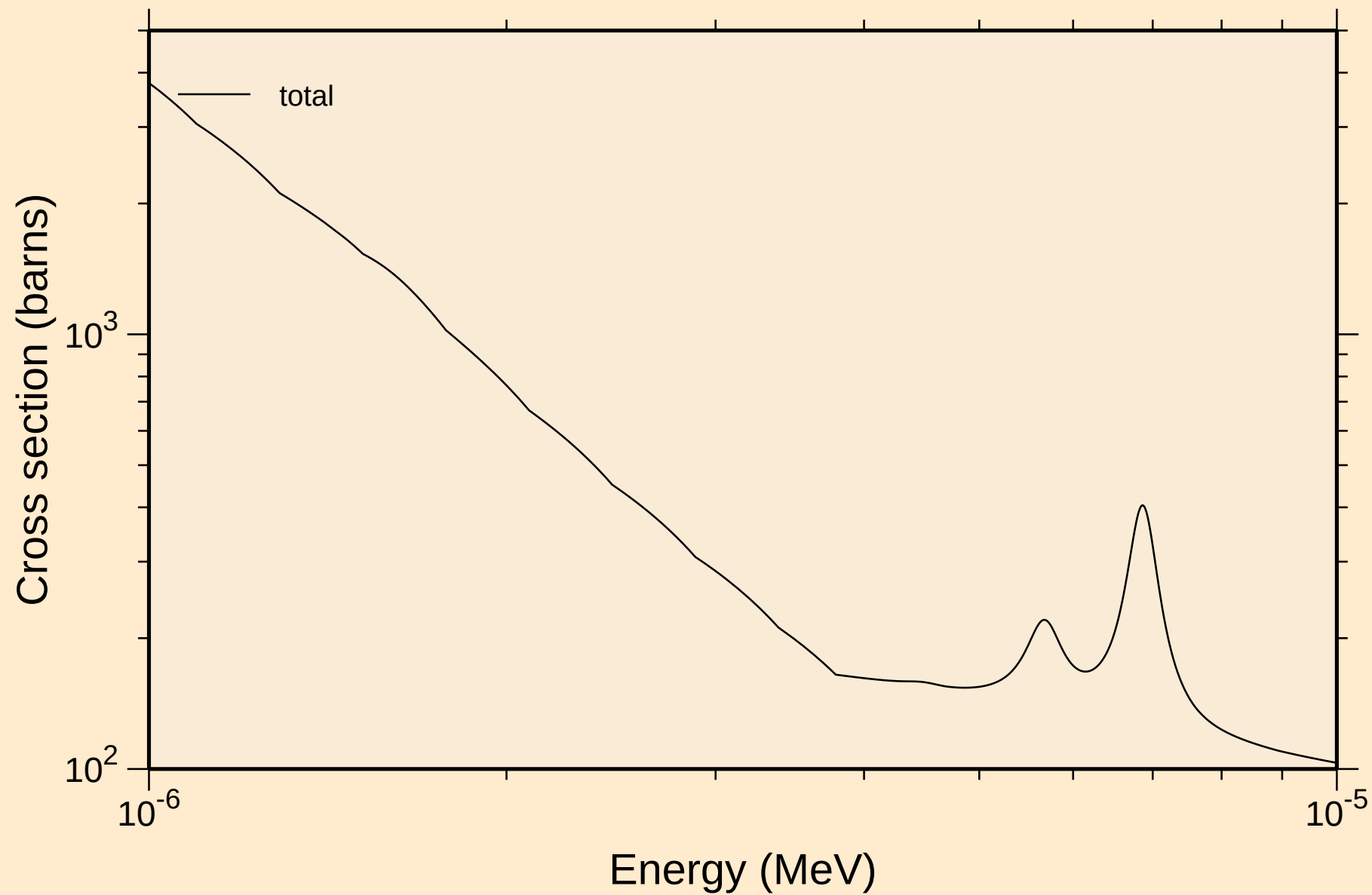


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

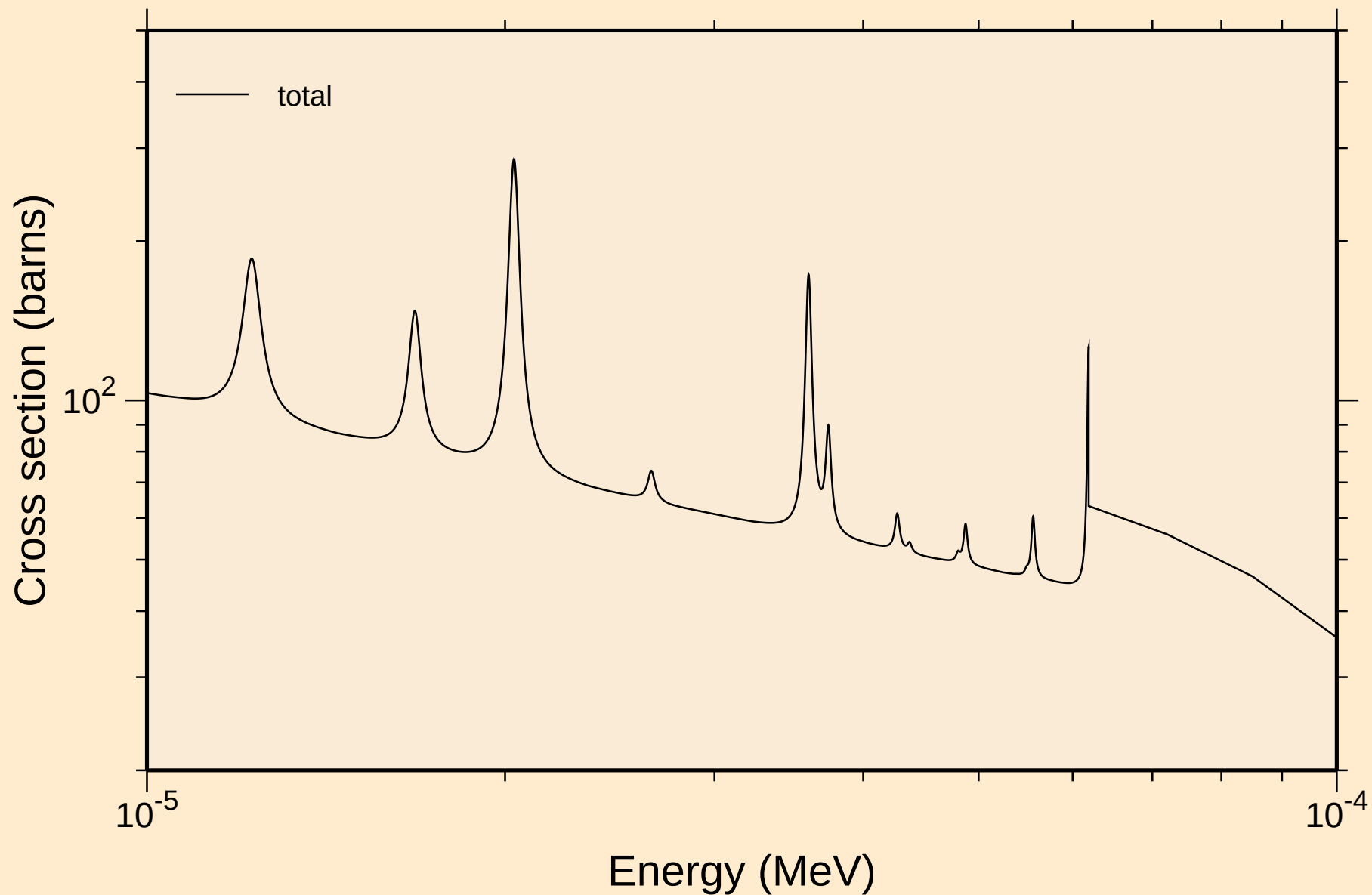
Principal cross sections



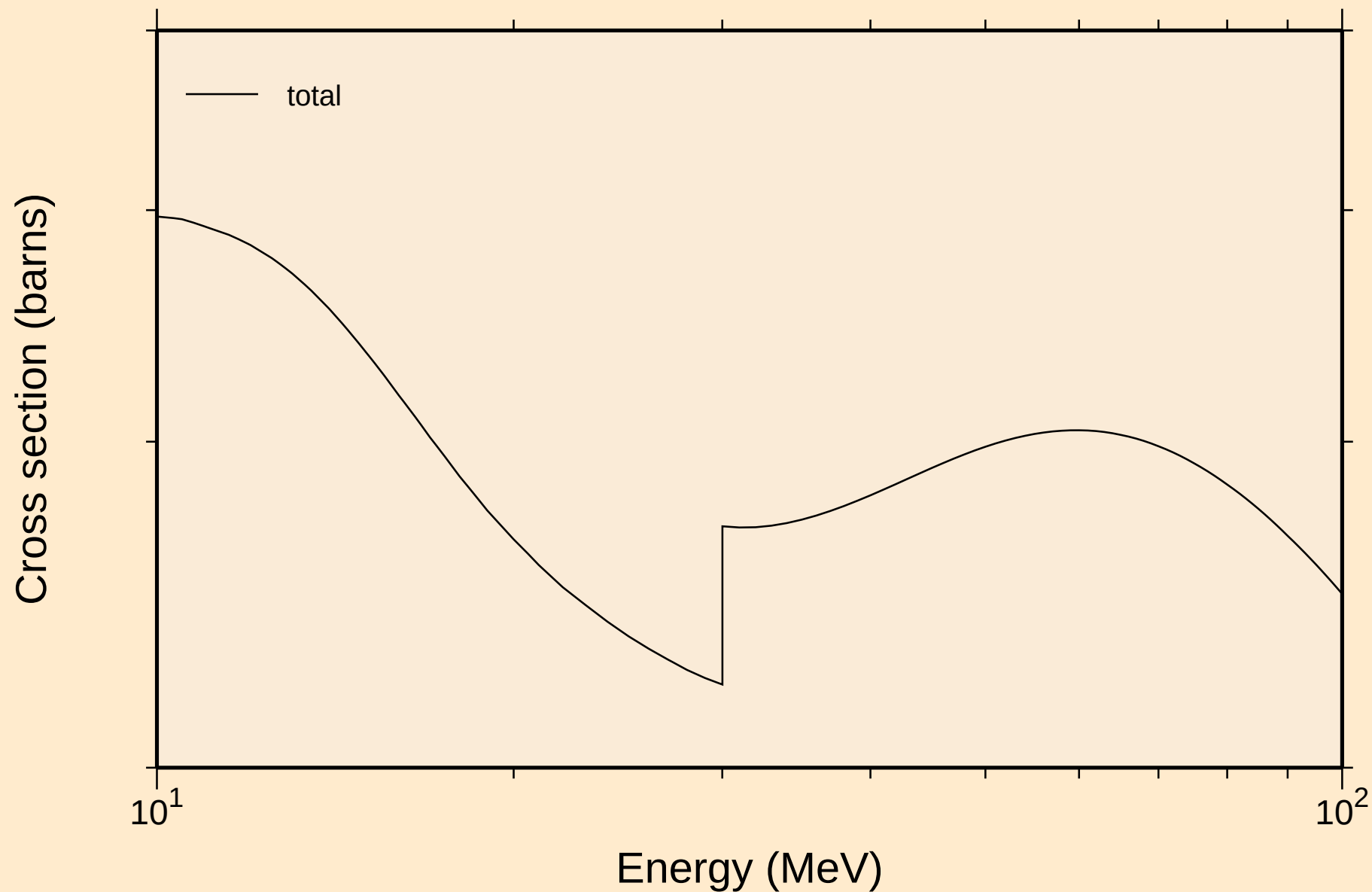
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



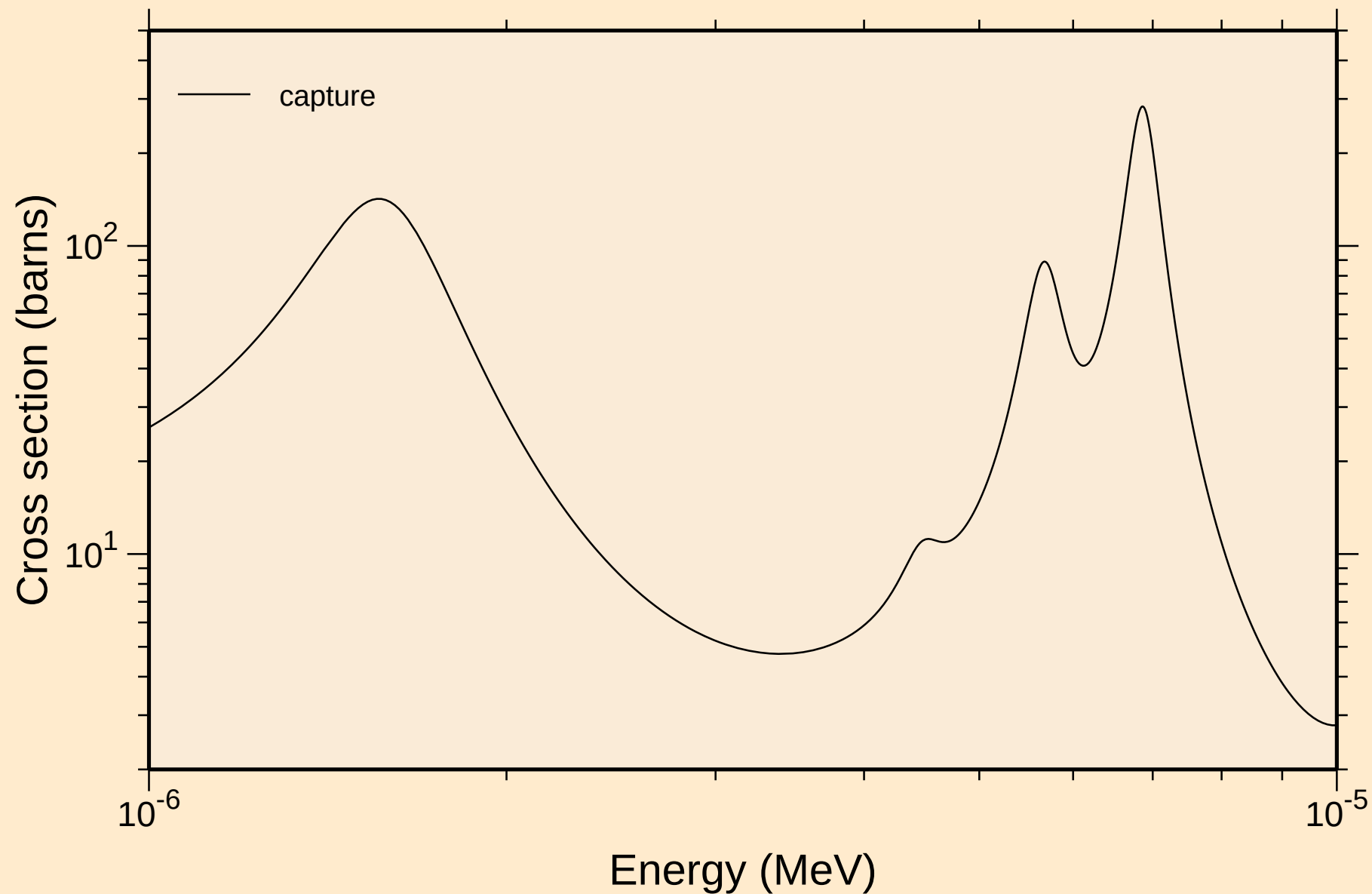
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



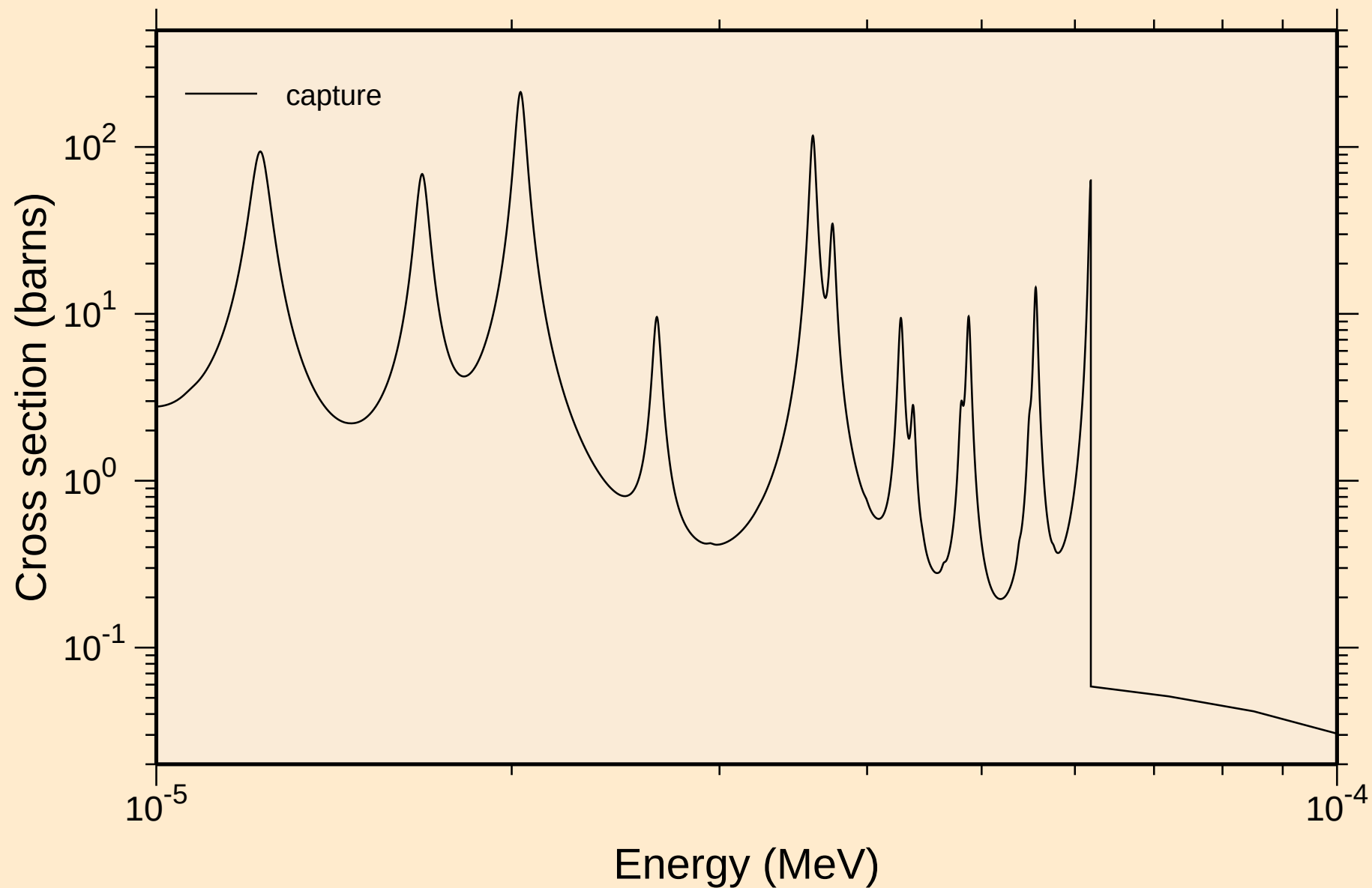
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



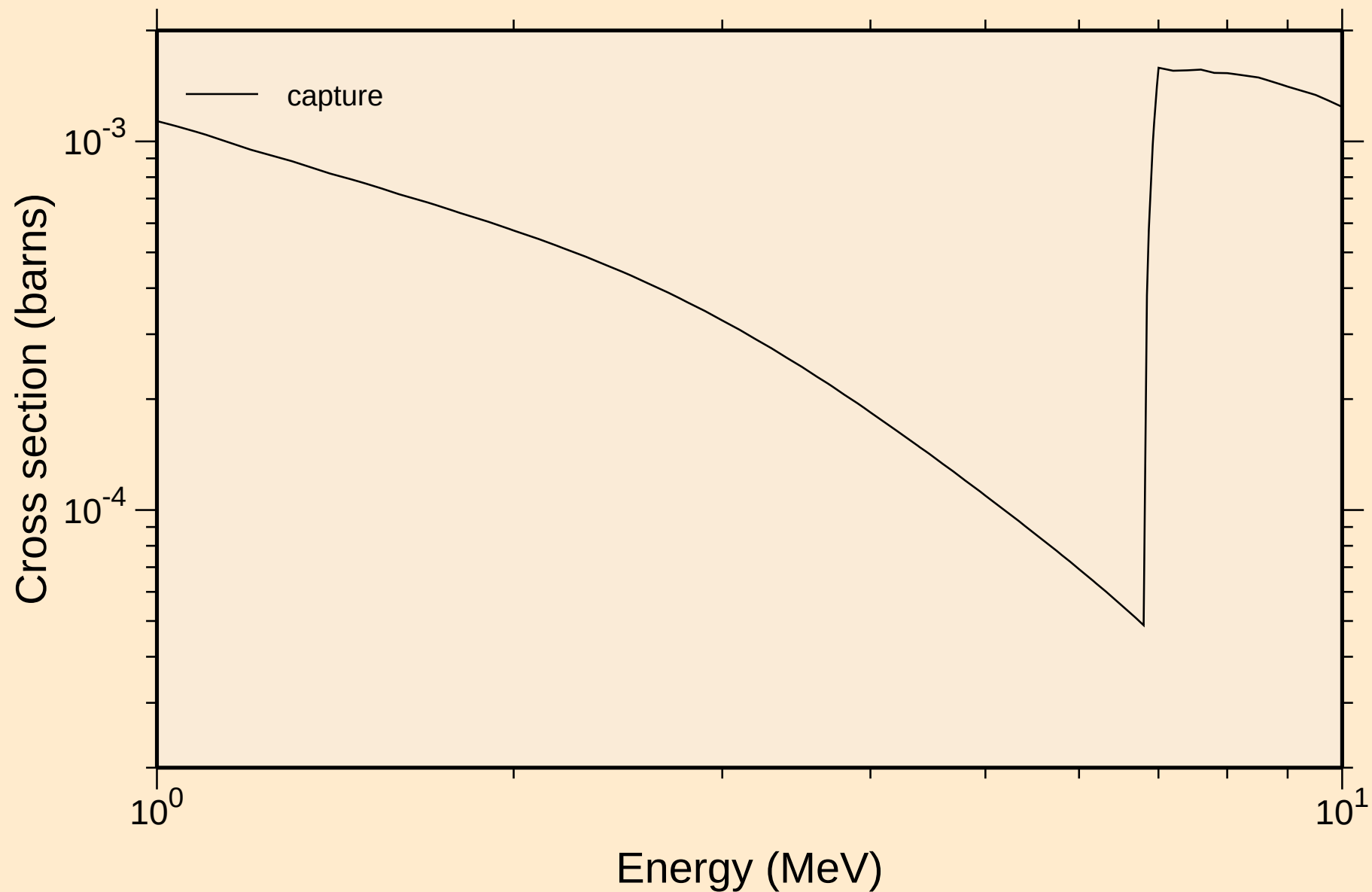
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

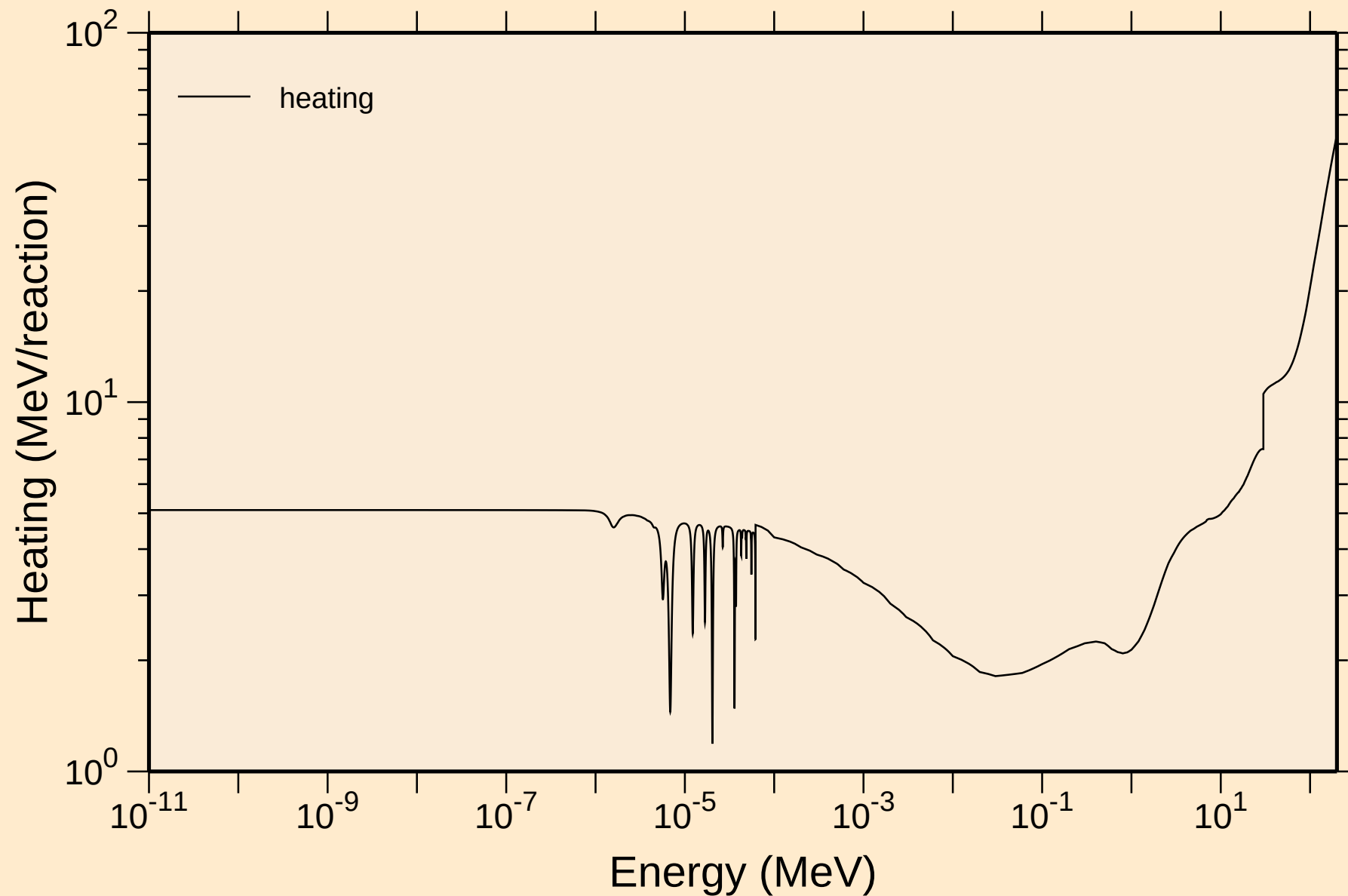


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



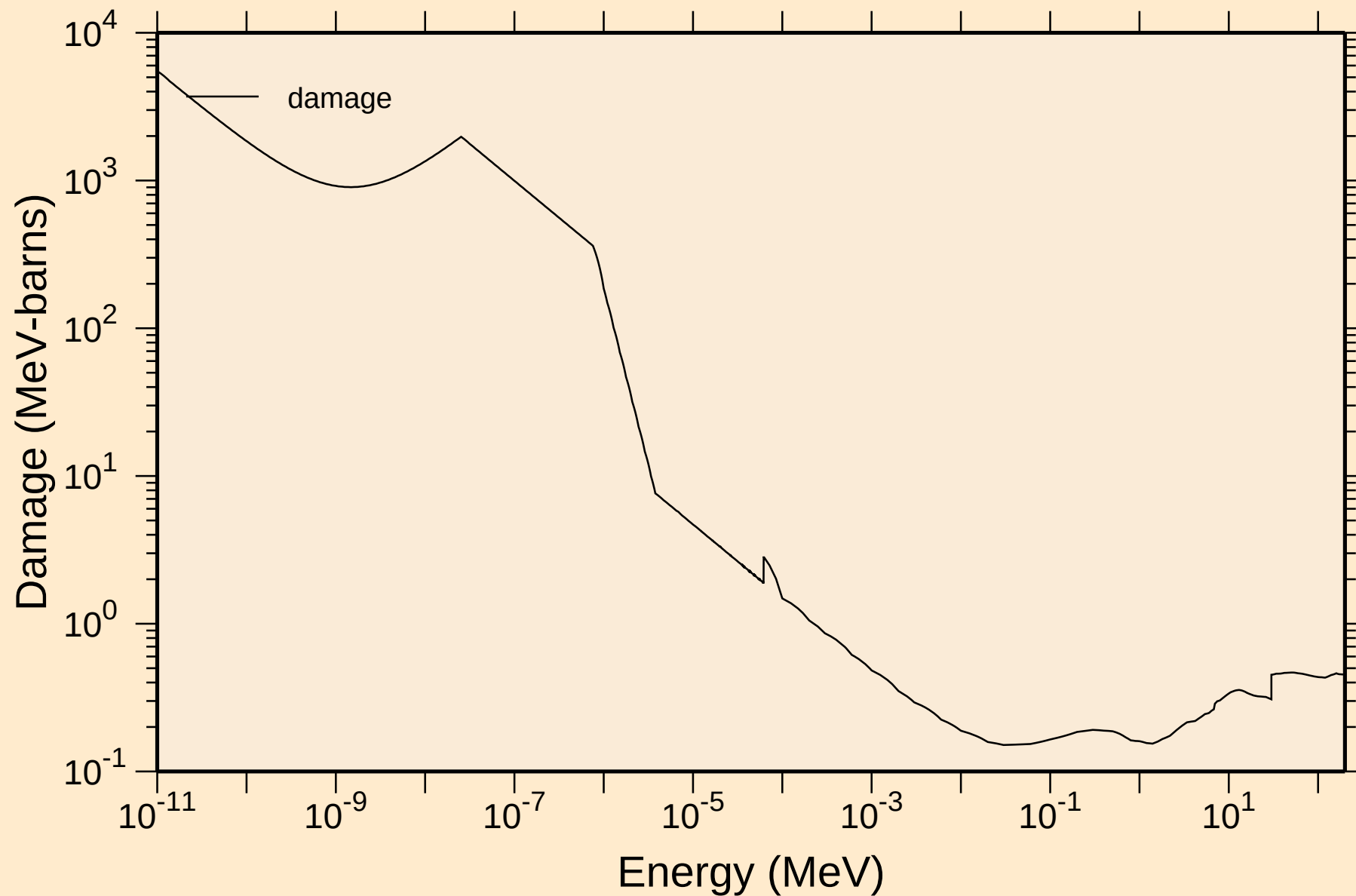
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

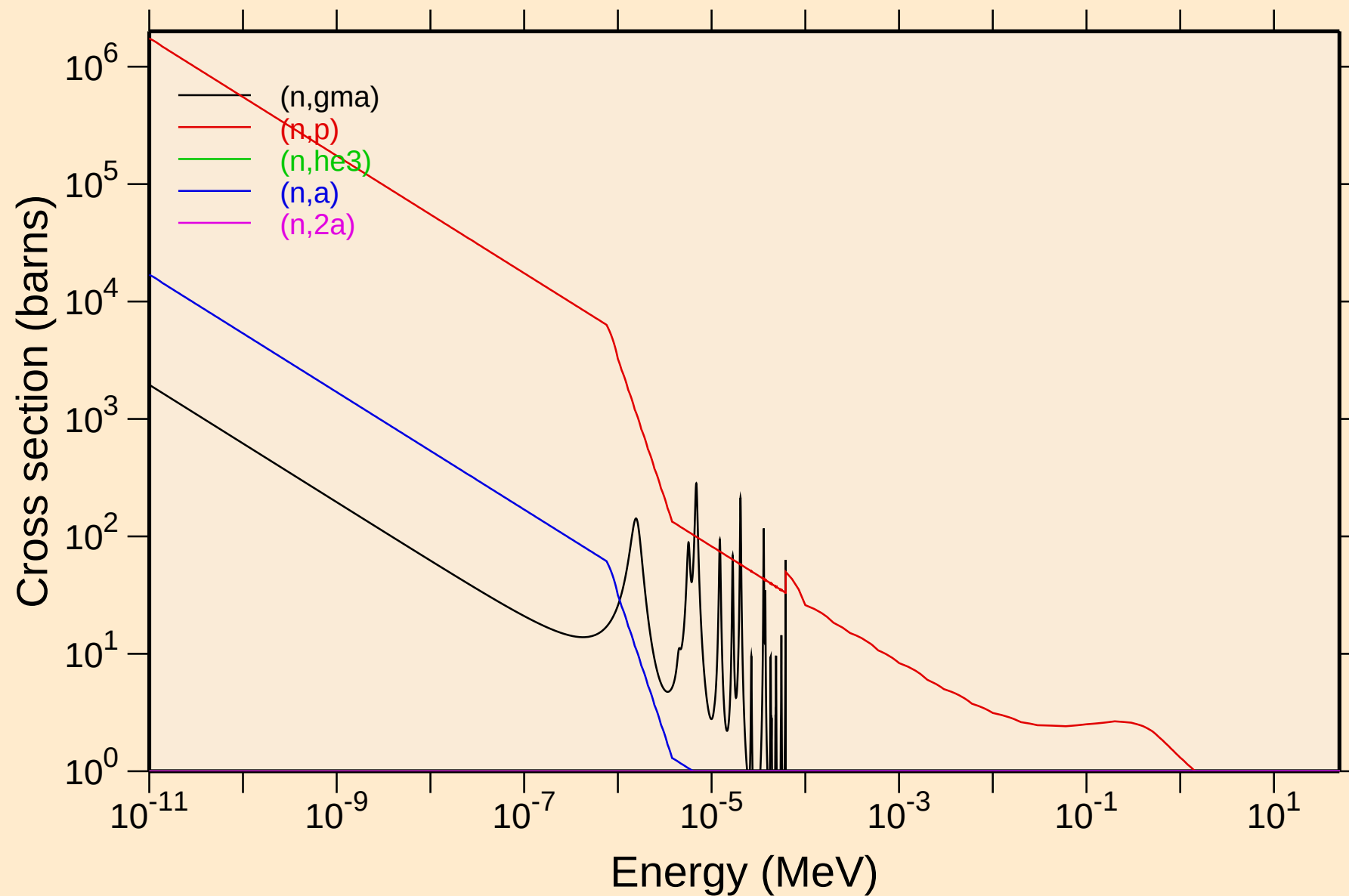


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

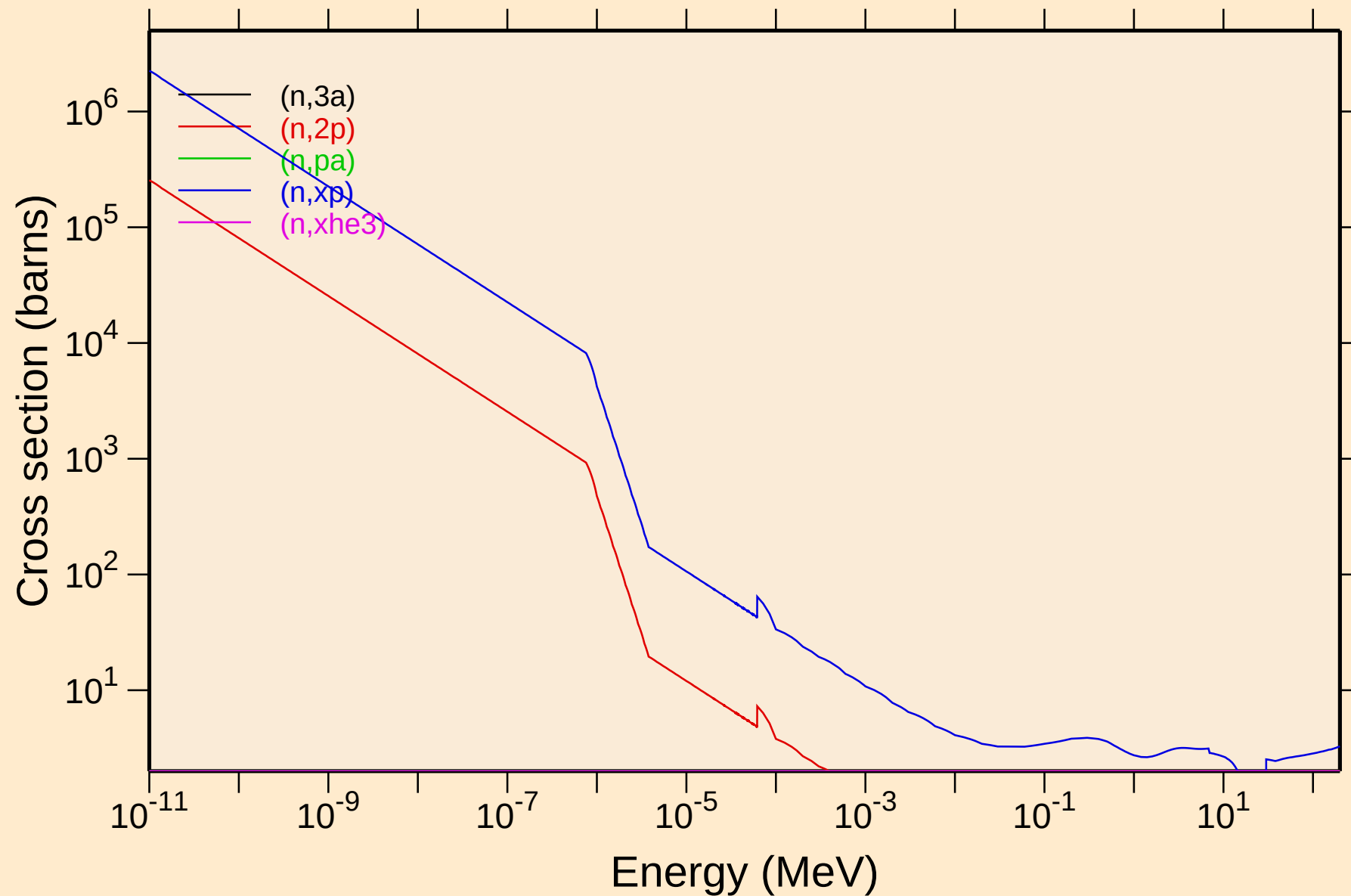
Damage



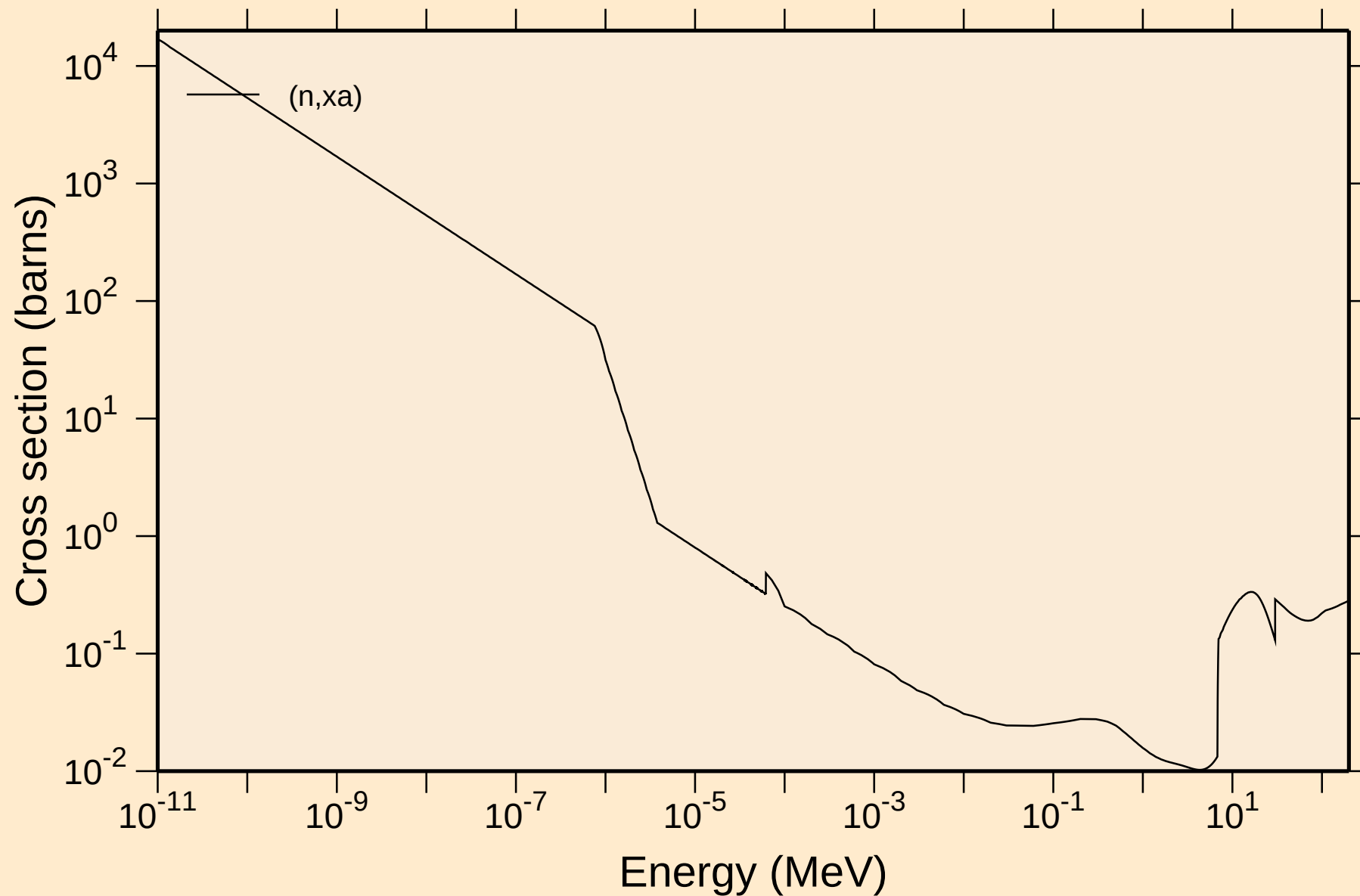
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

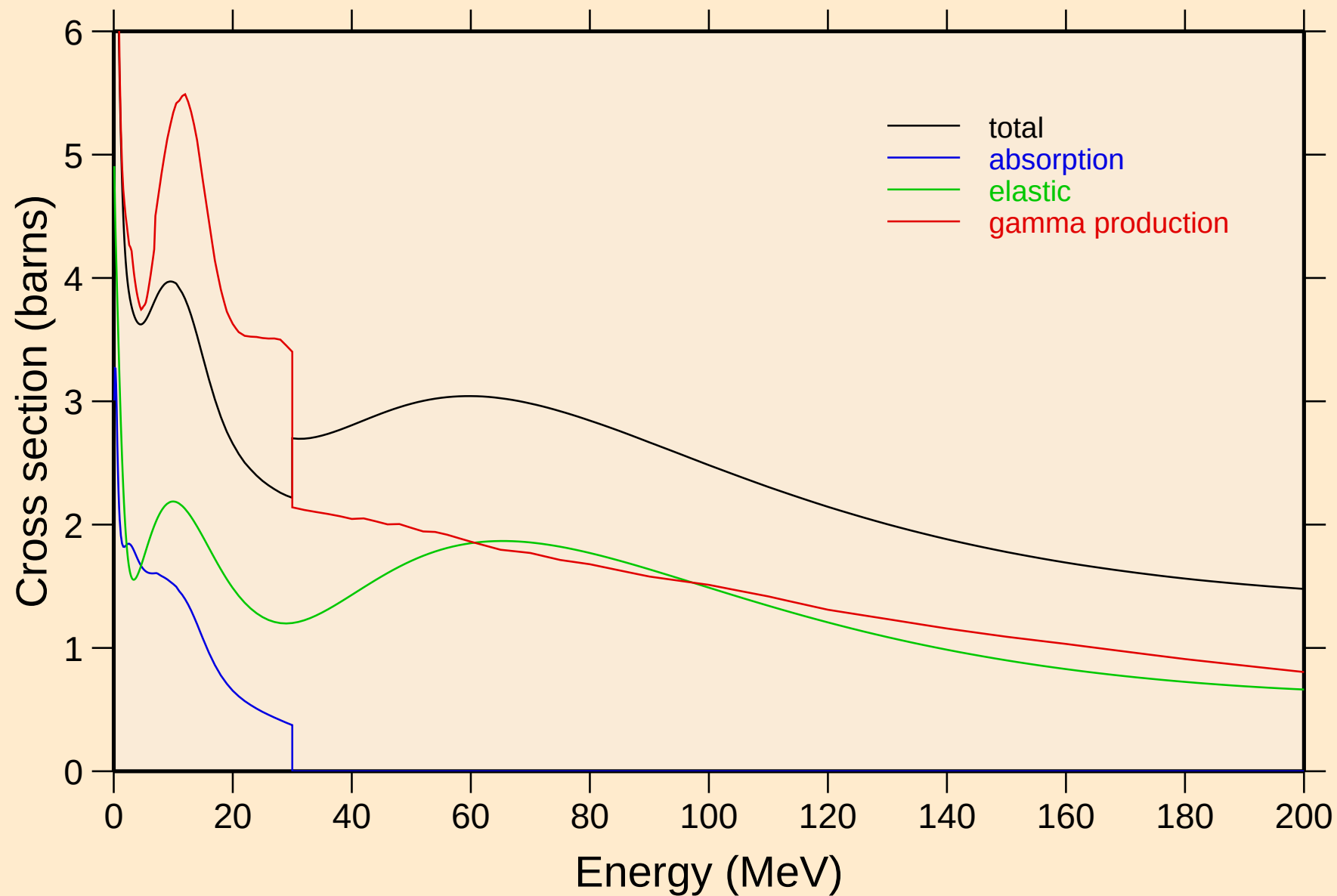


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



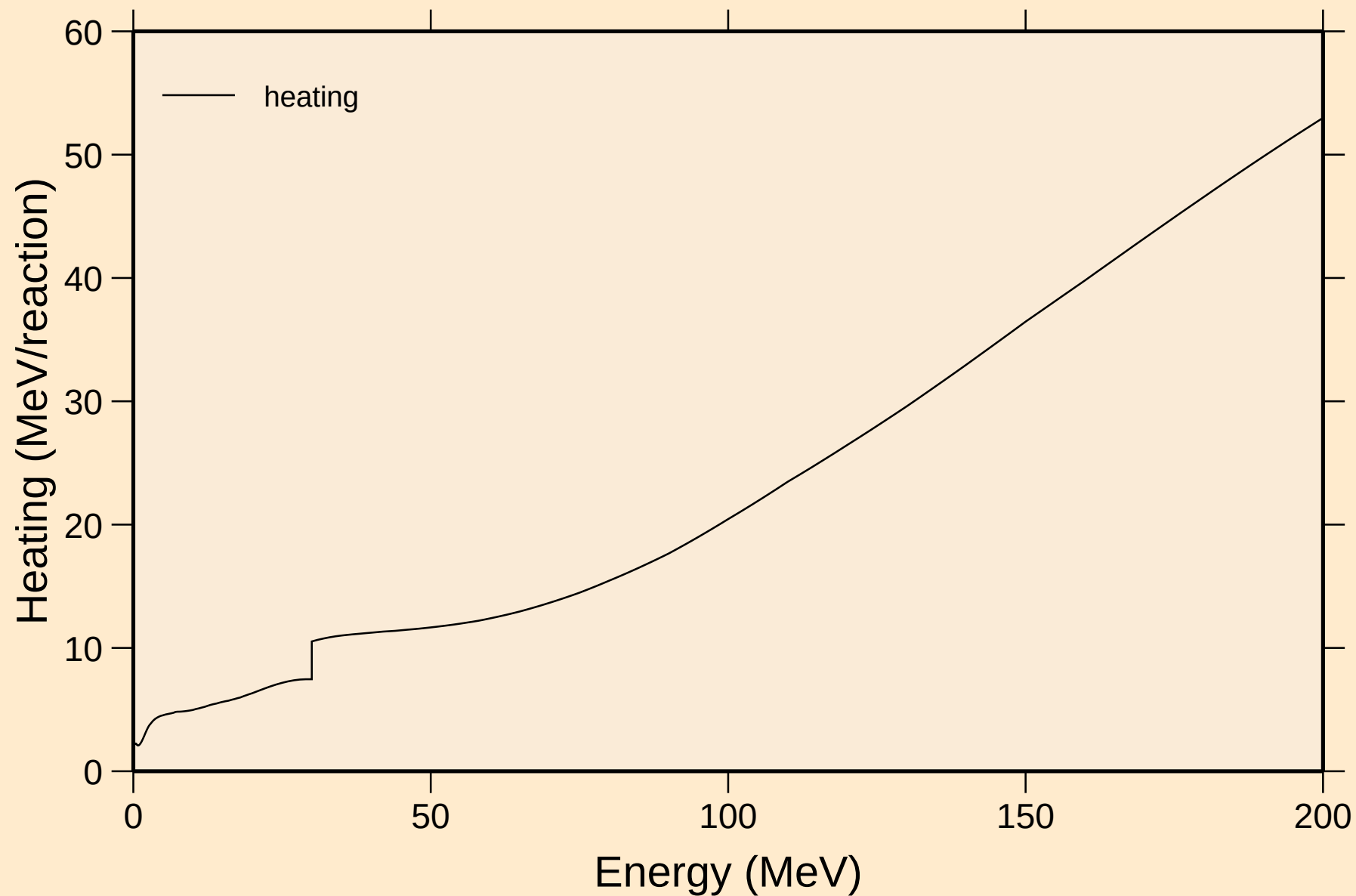
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



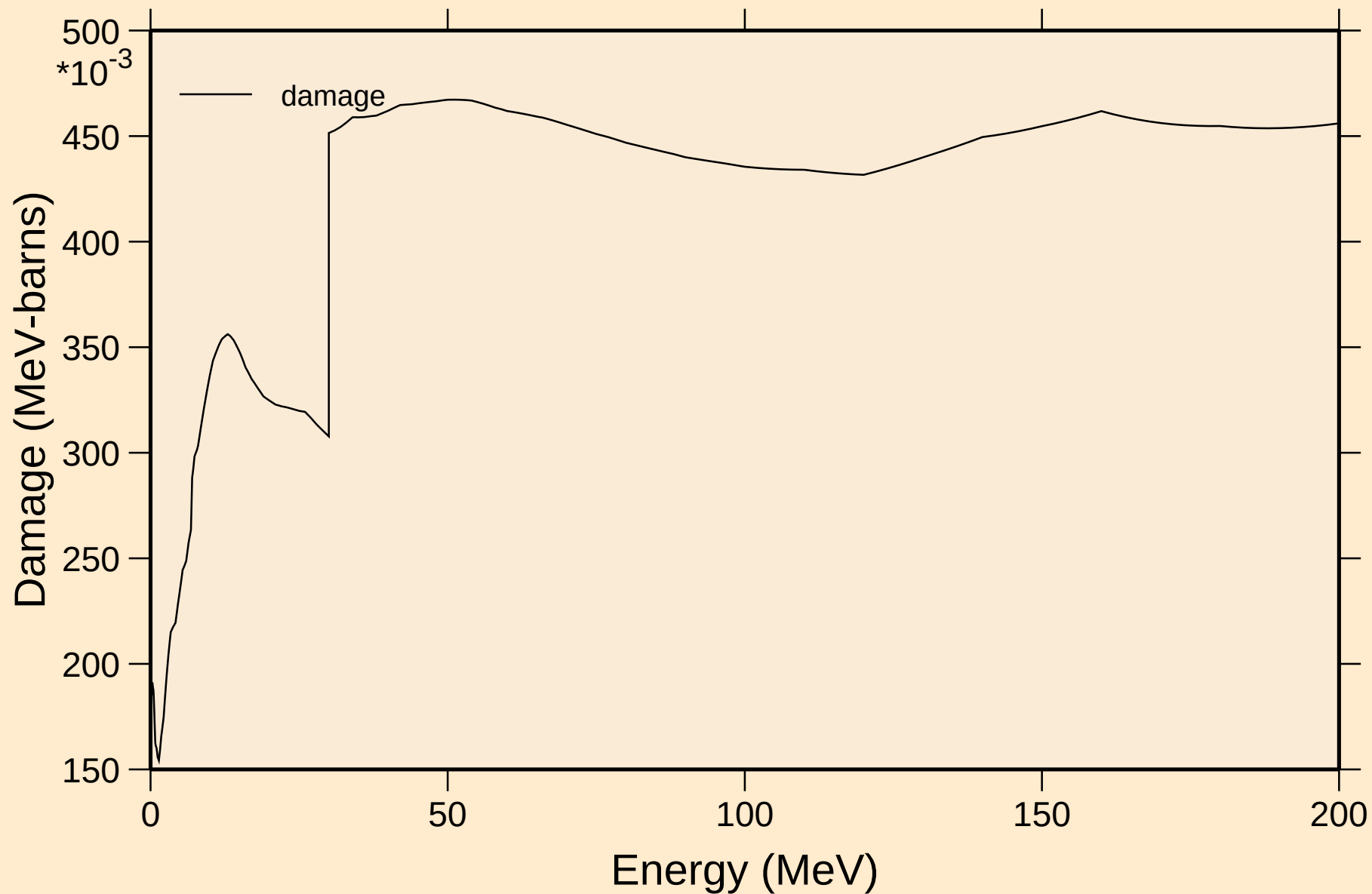
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

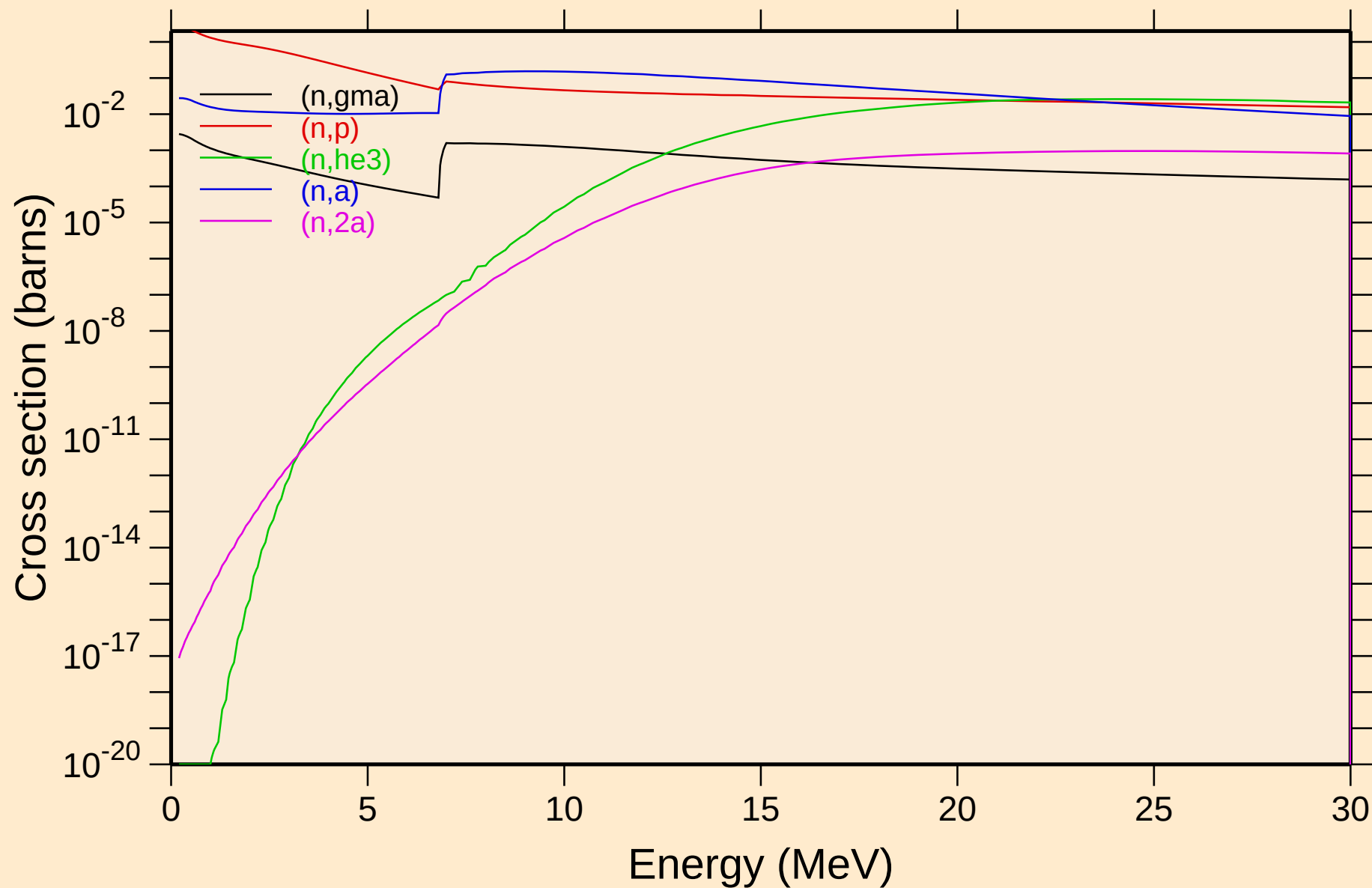


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

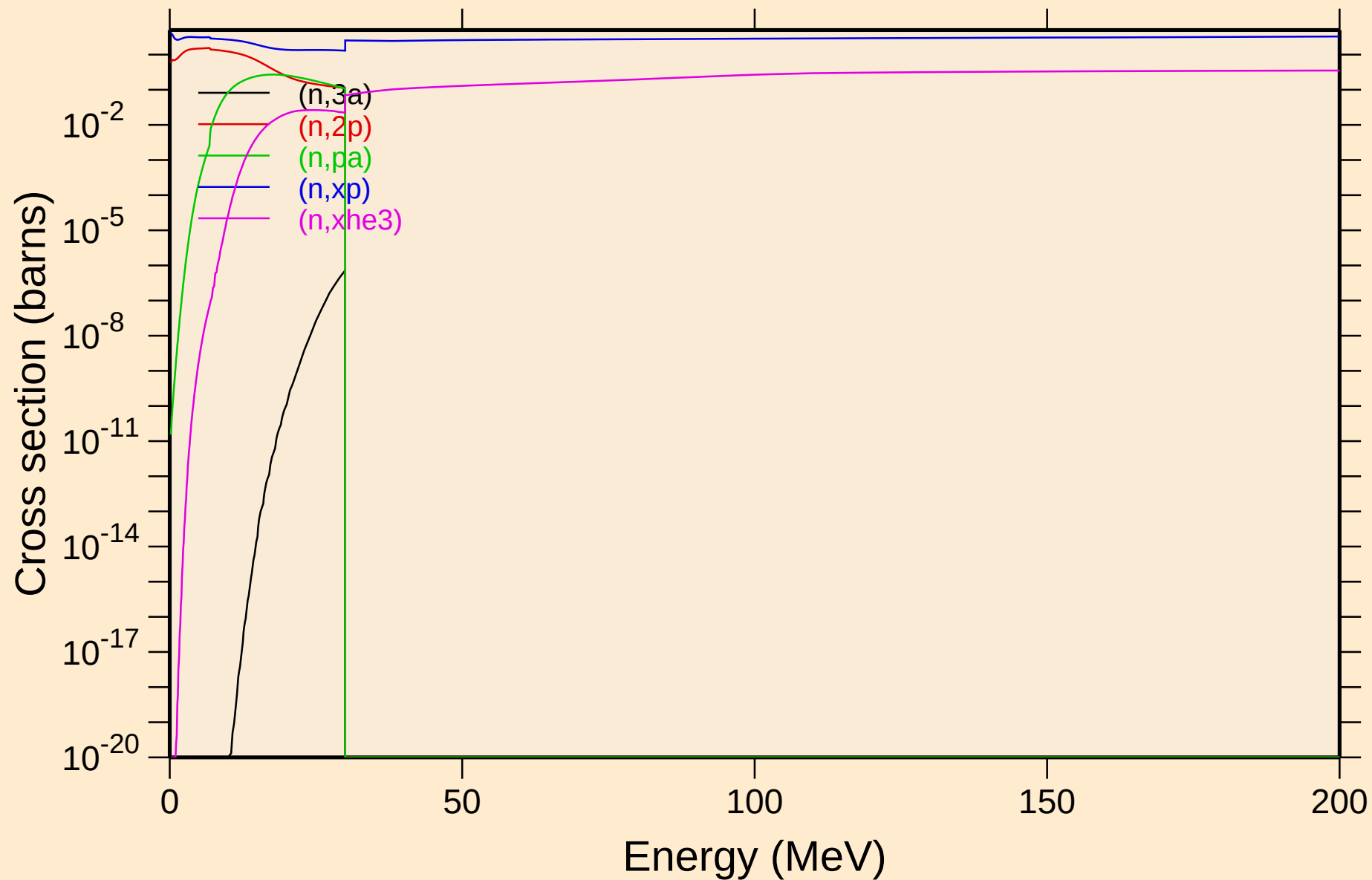


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



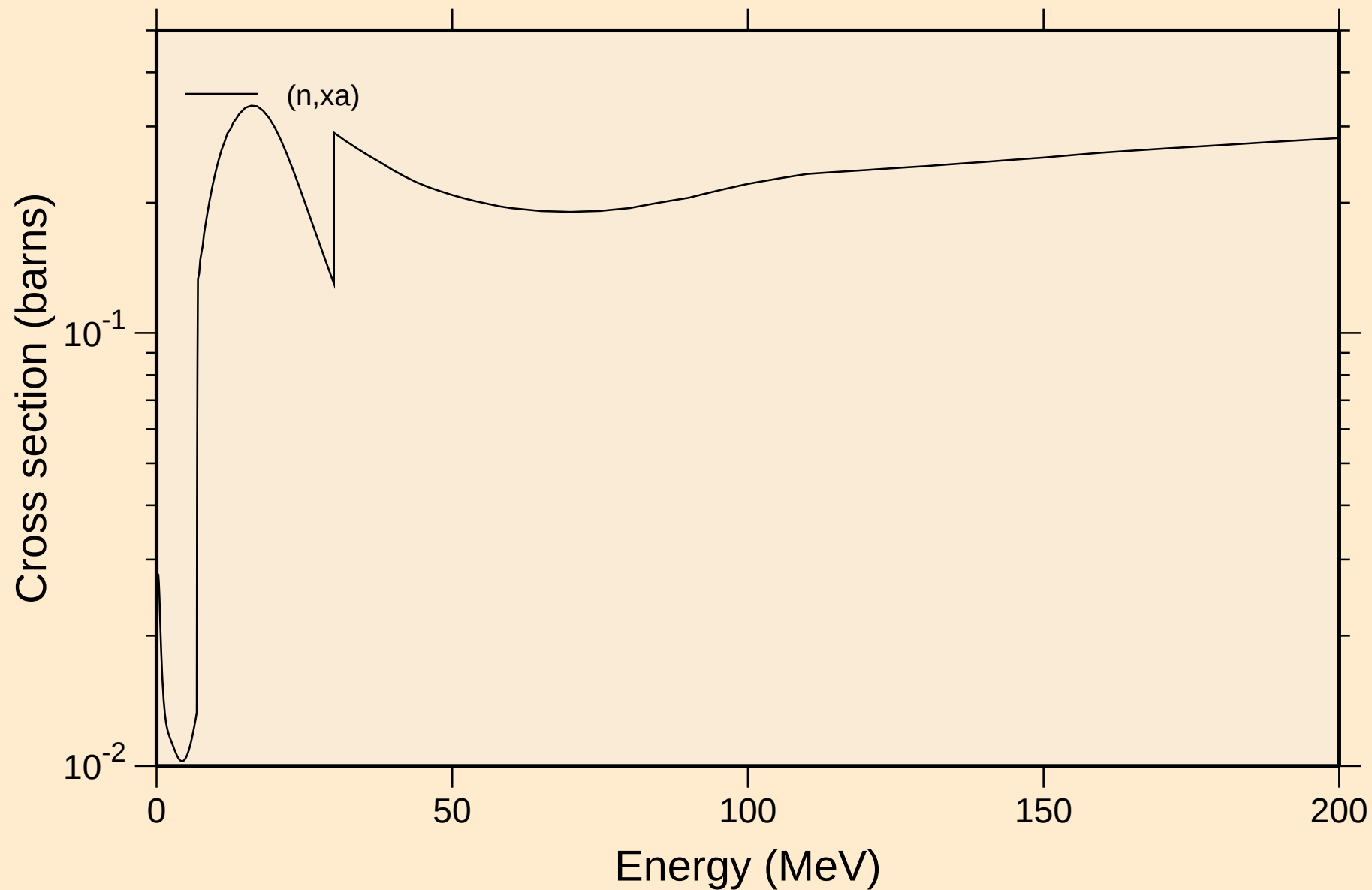
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



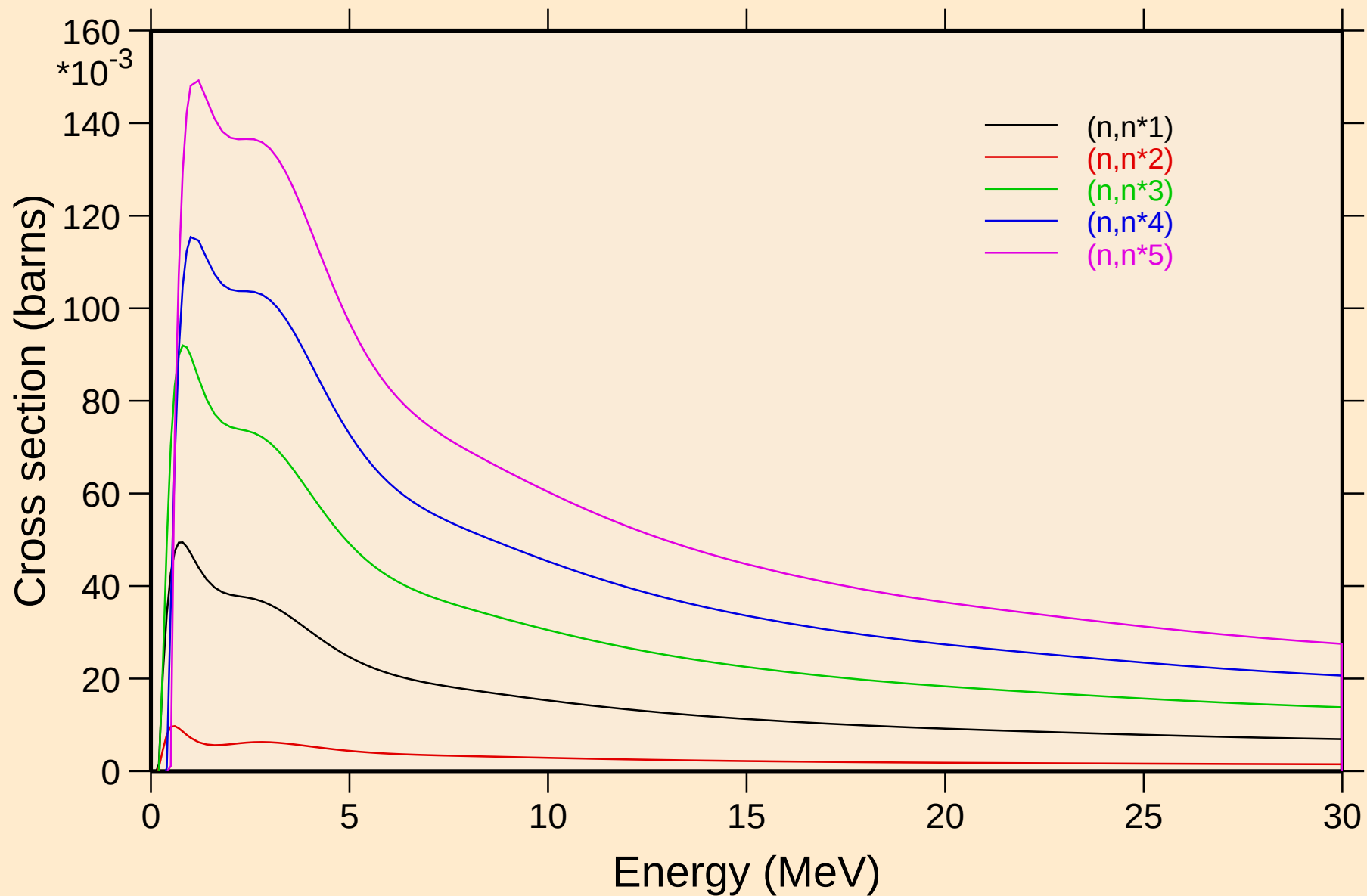
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



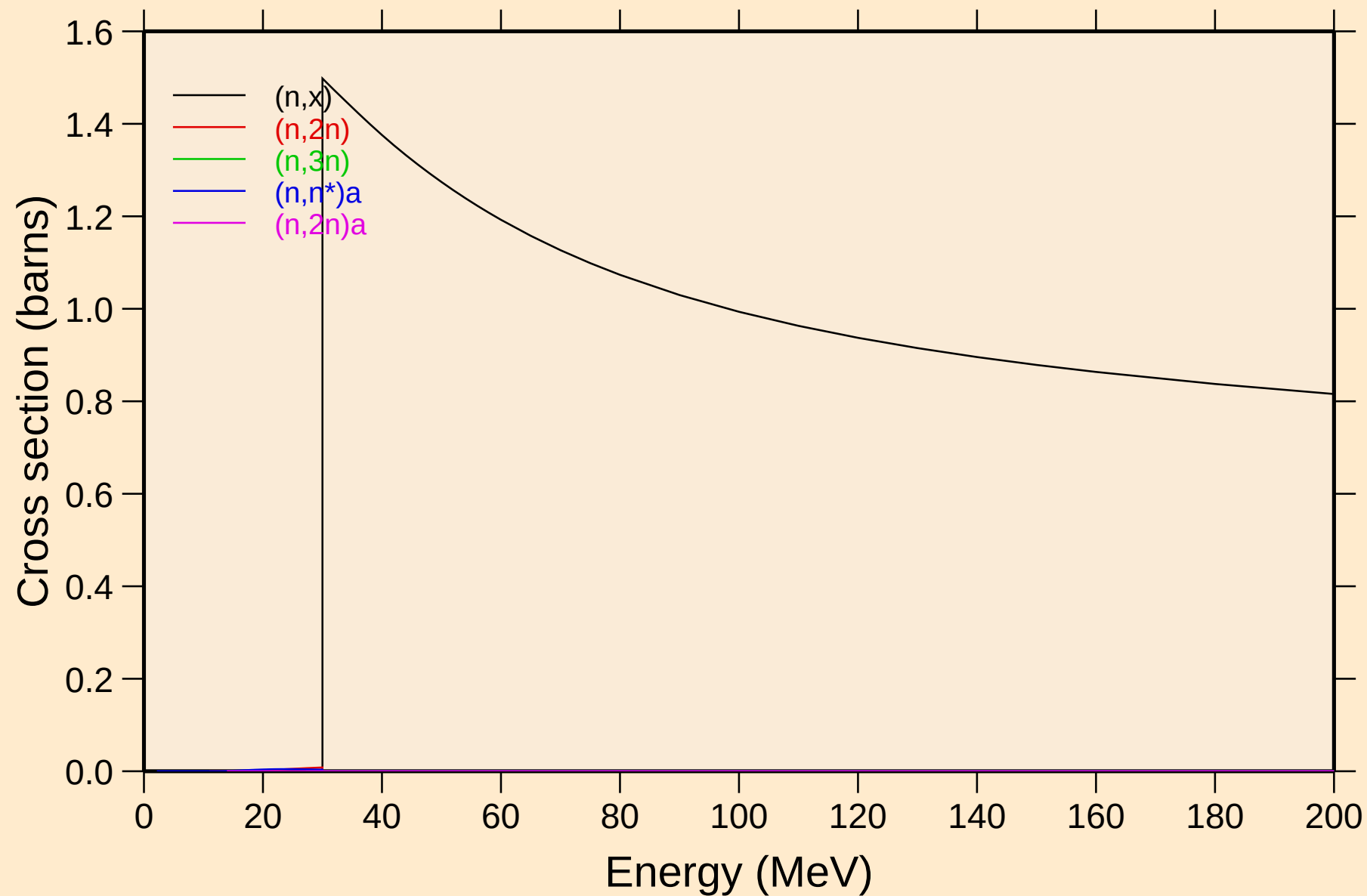
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



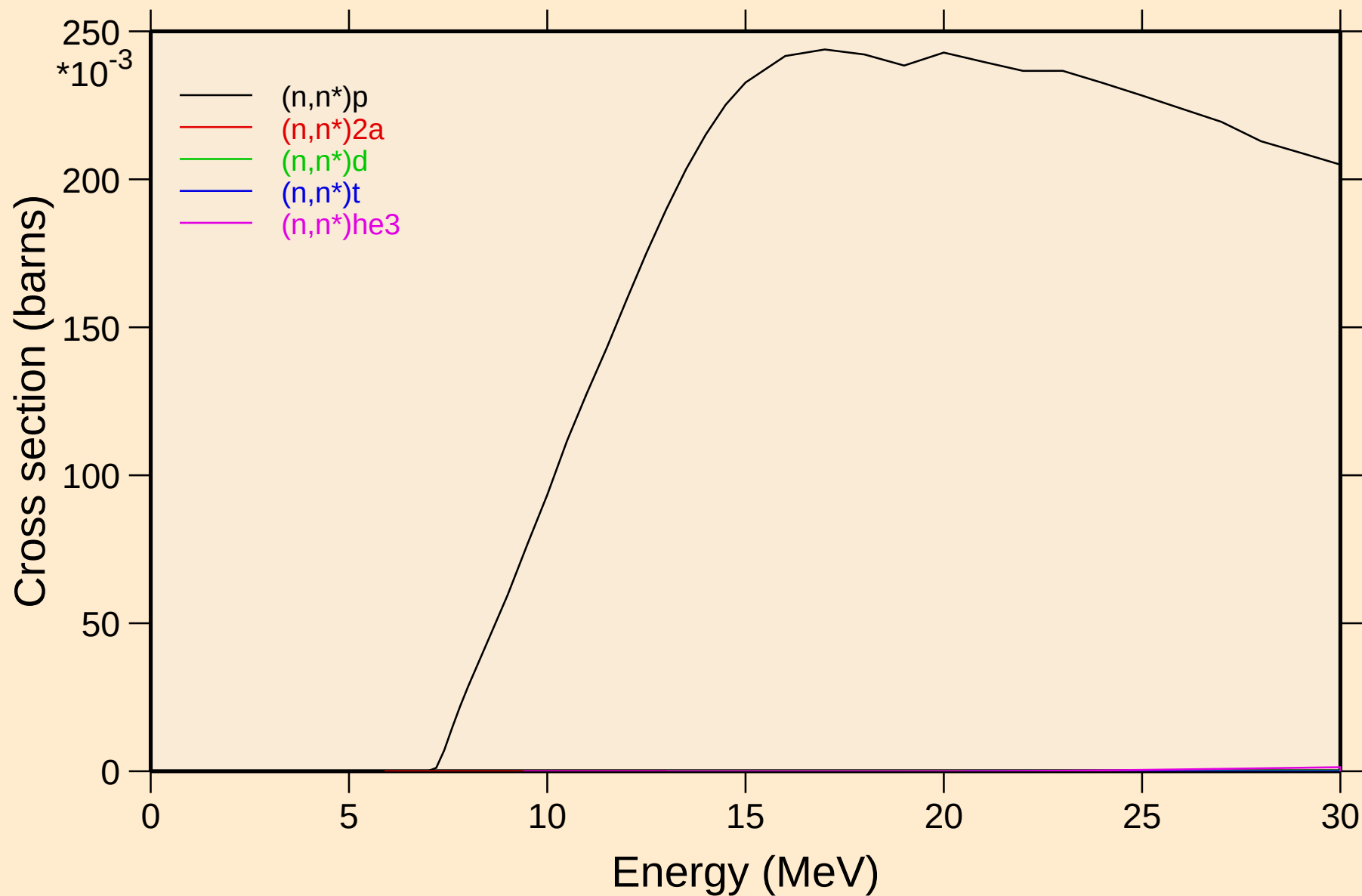
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

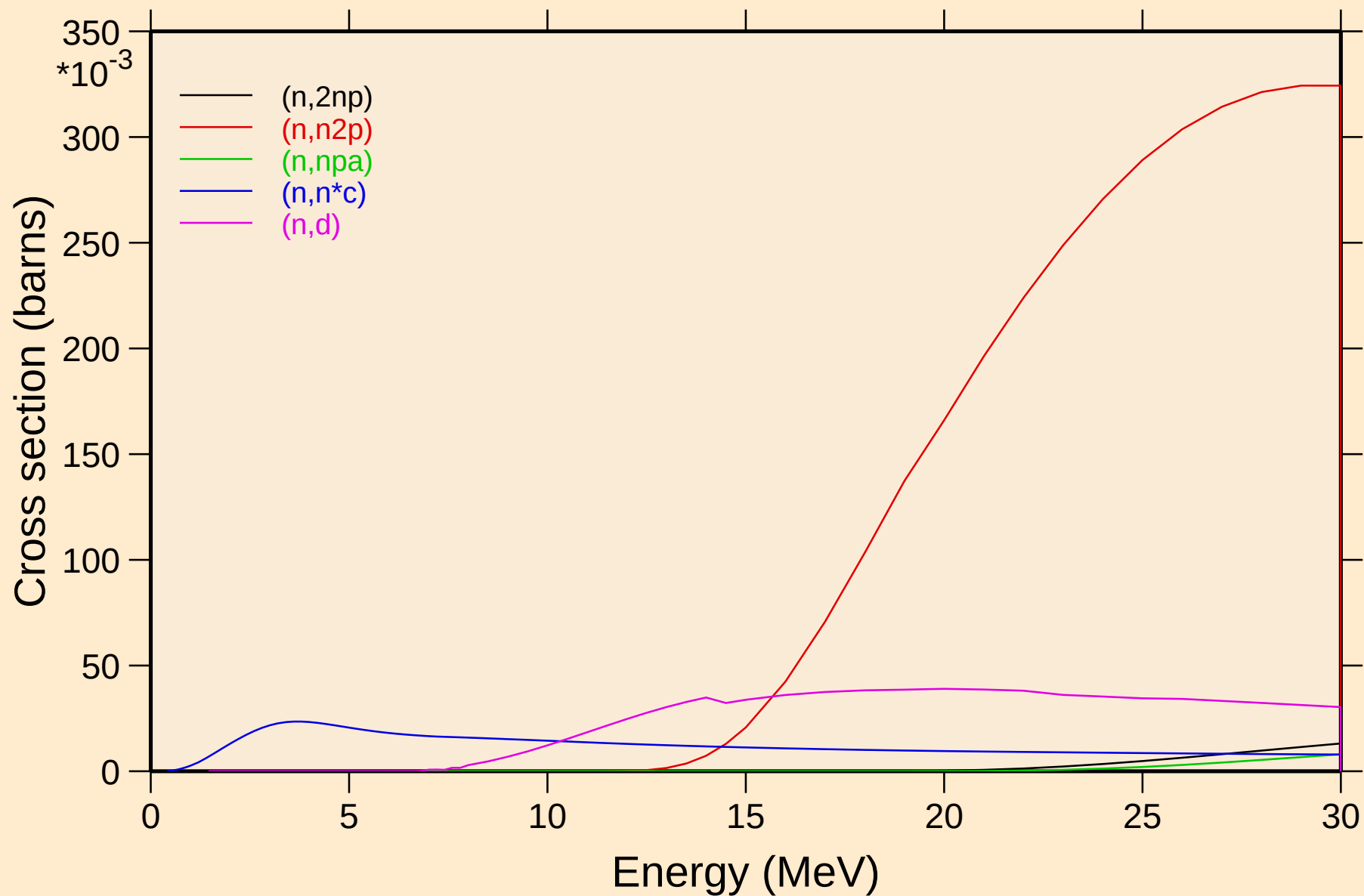


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

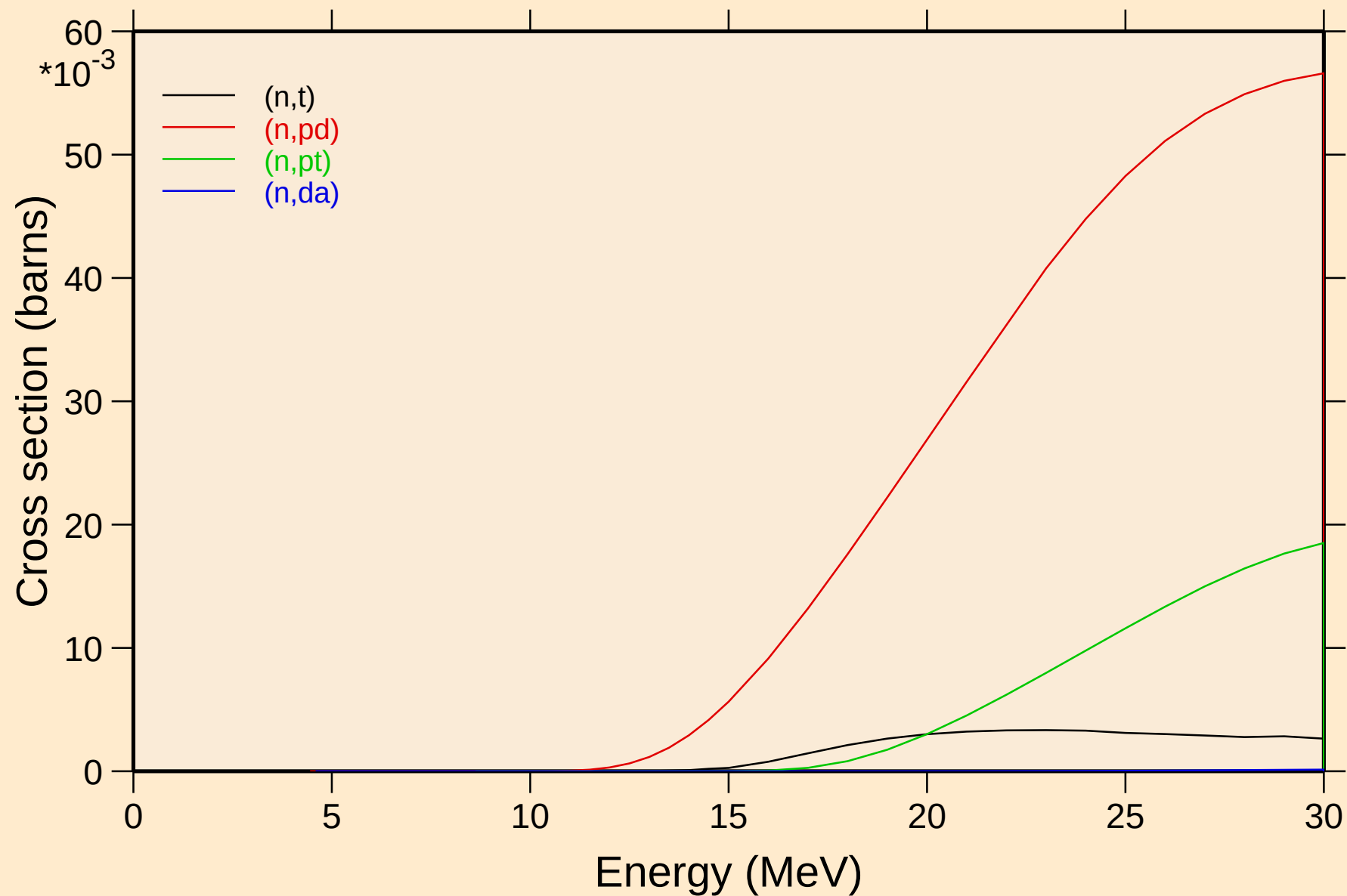


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



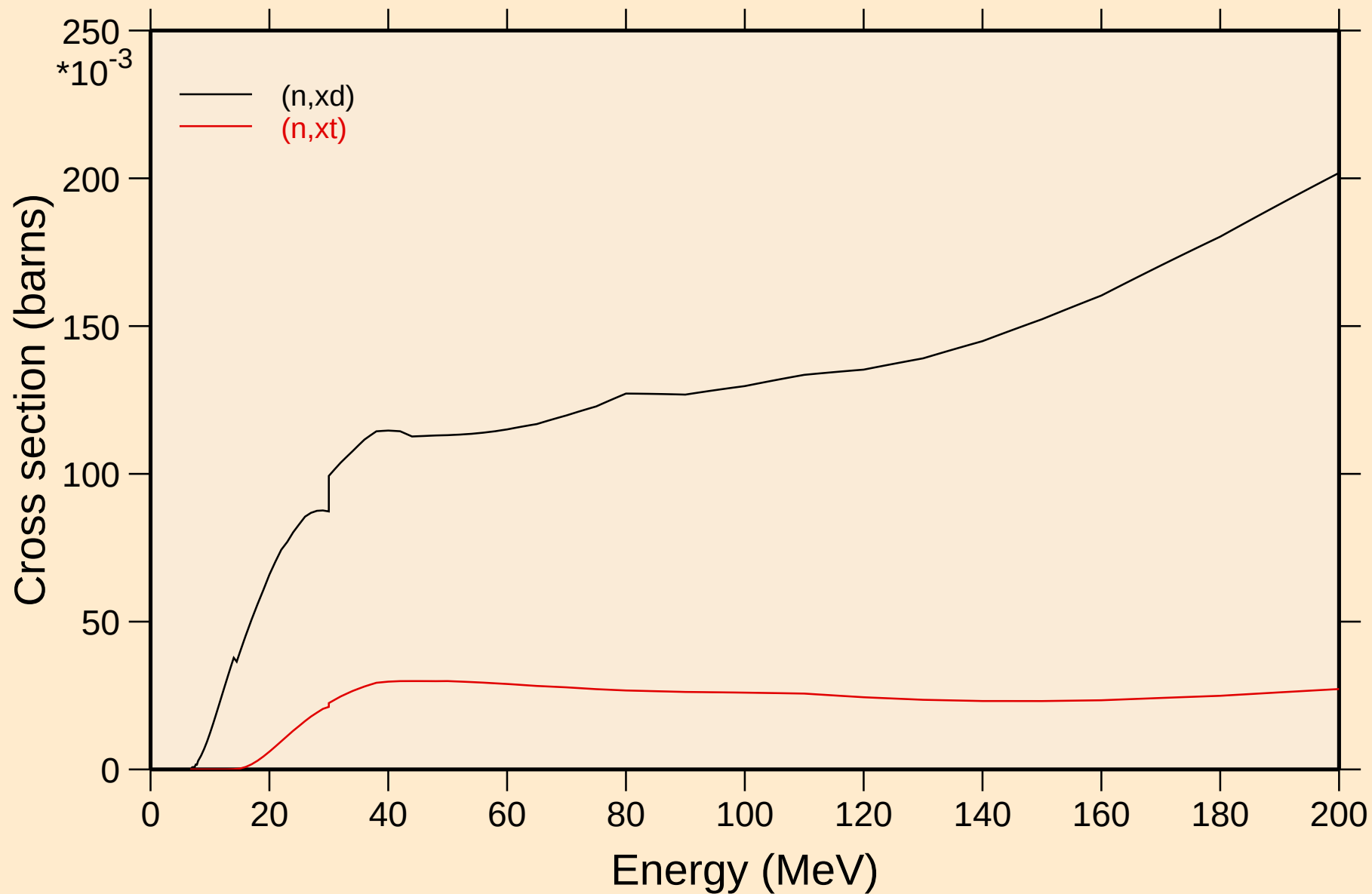
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

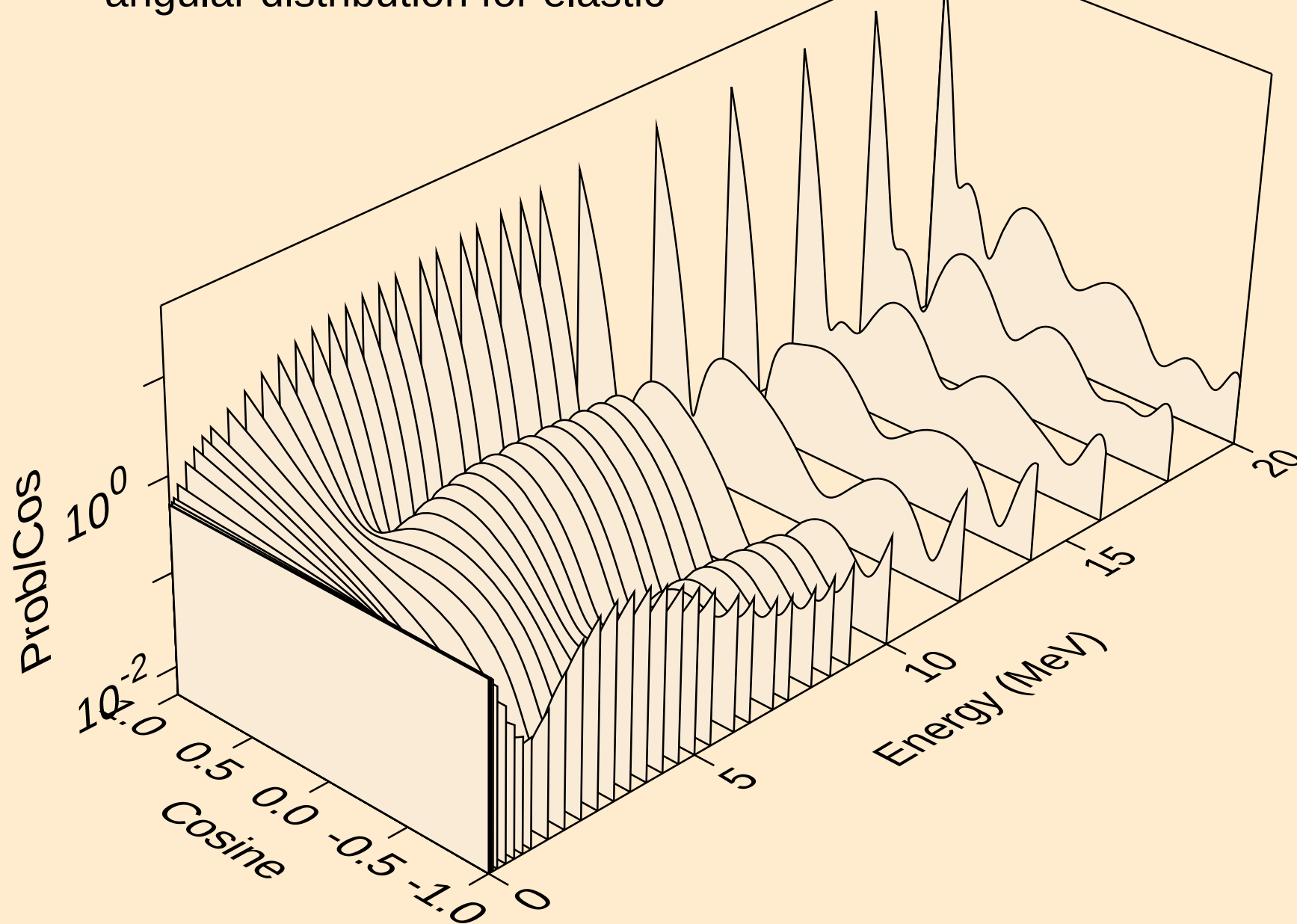


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

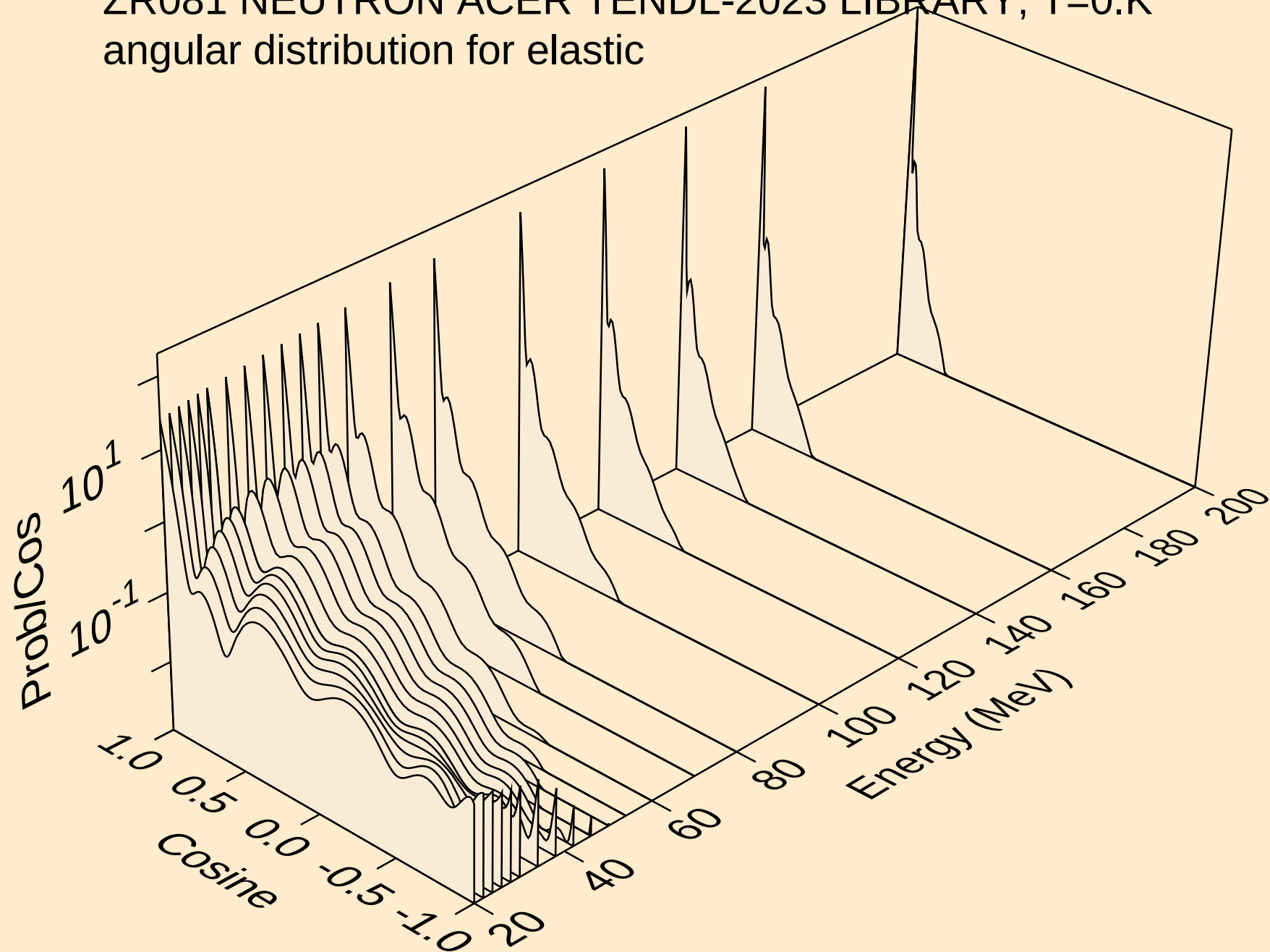
Threshold reactions



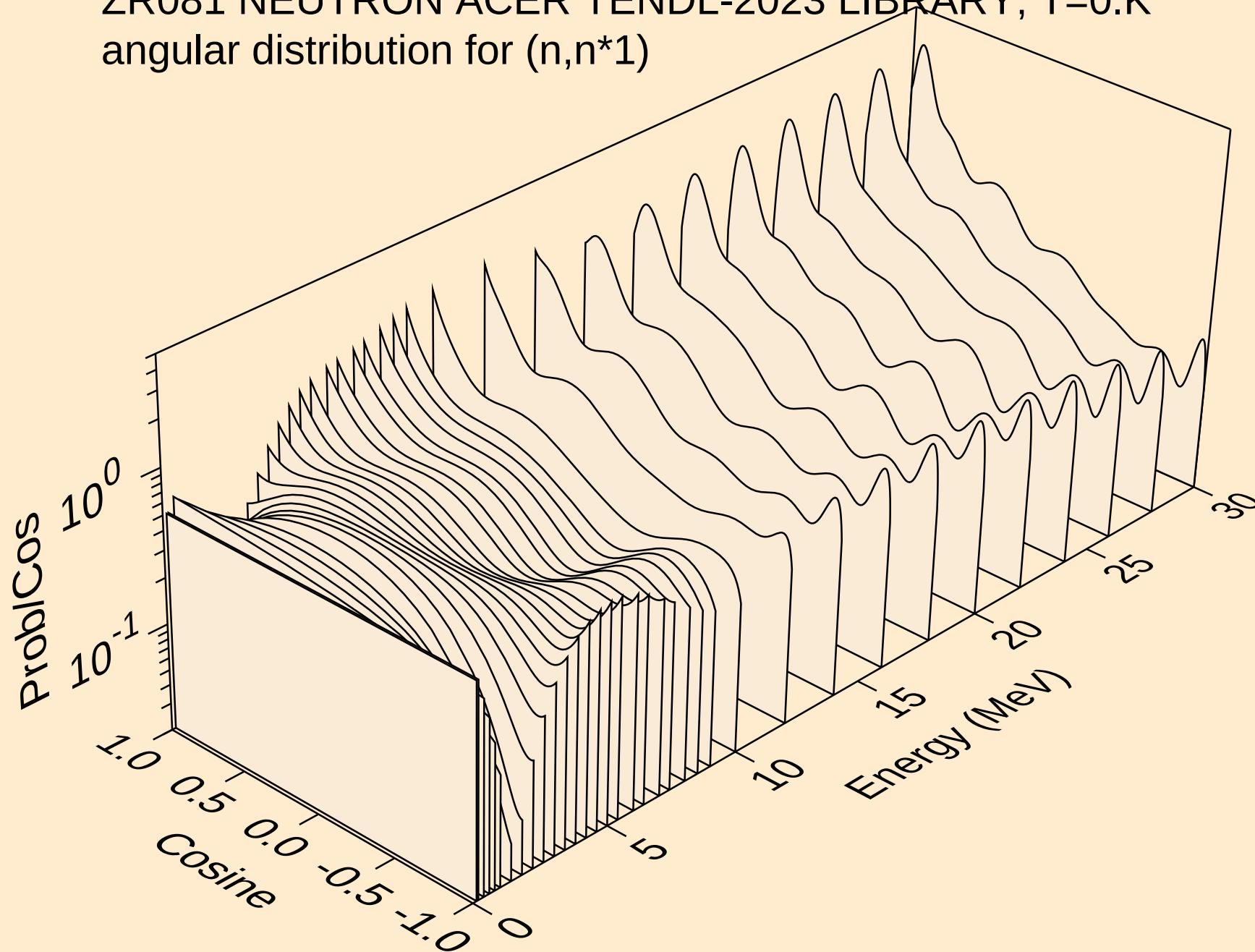
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



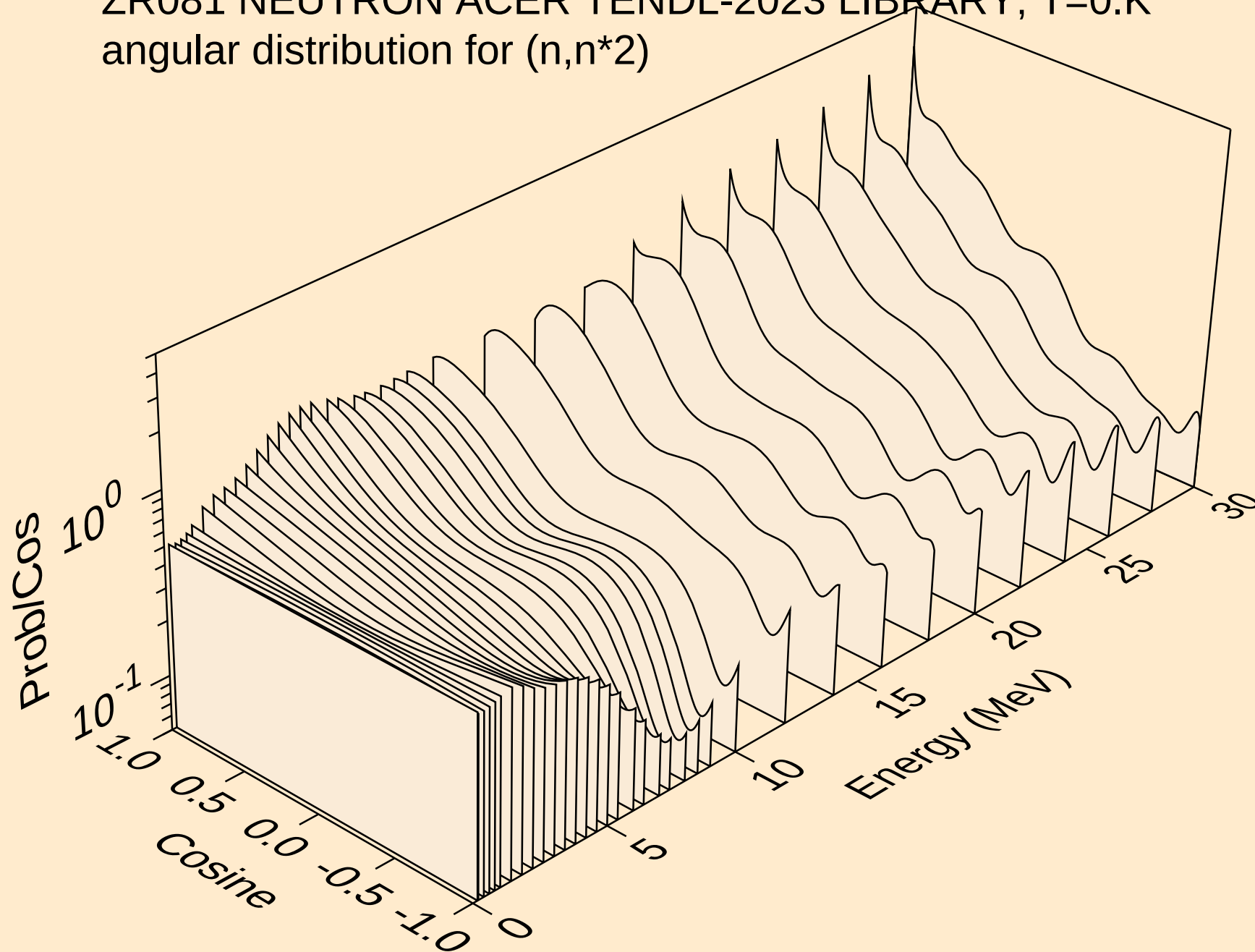
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



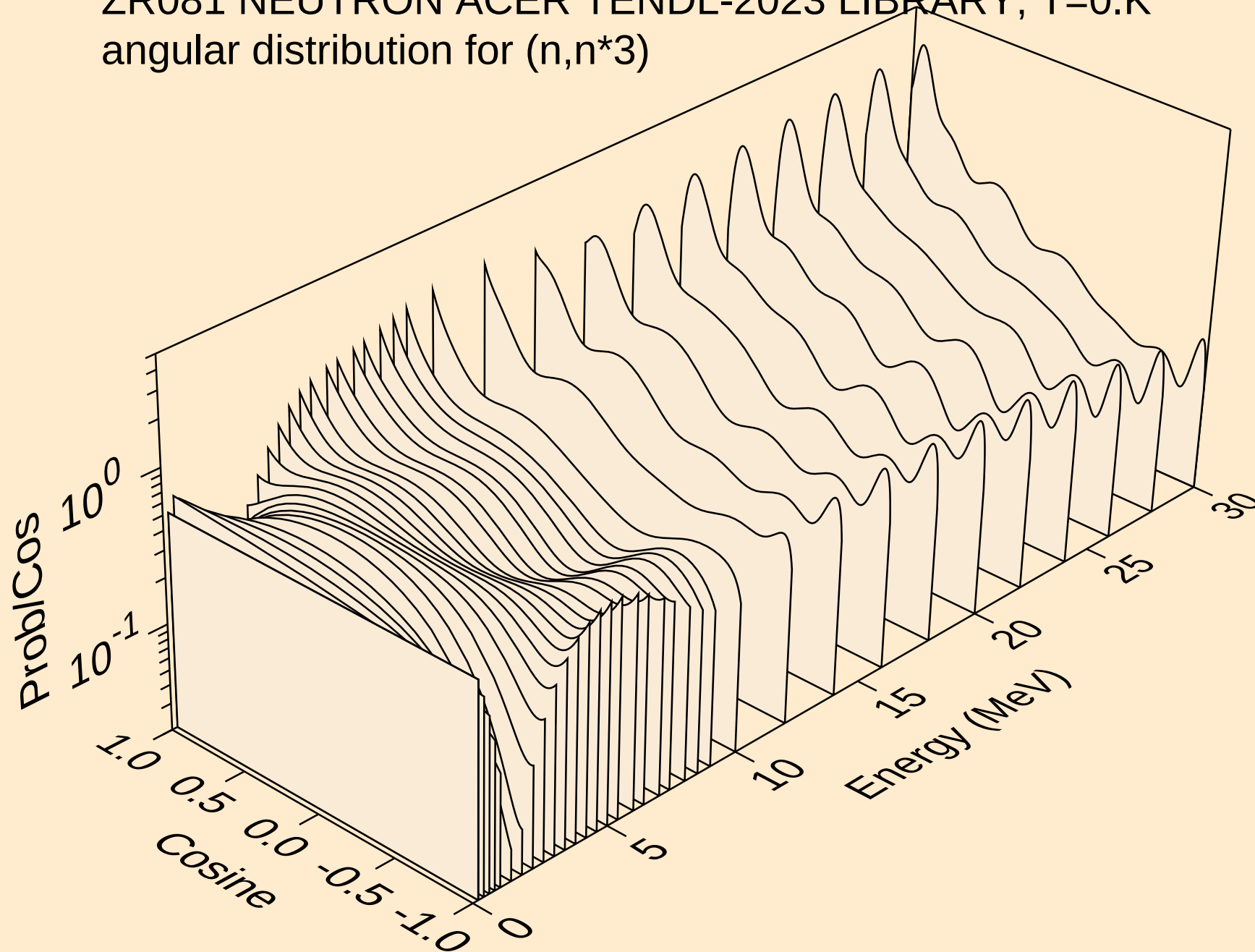
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



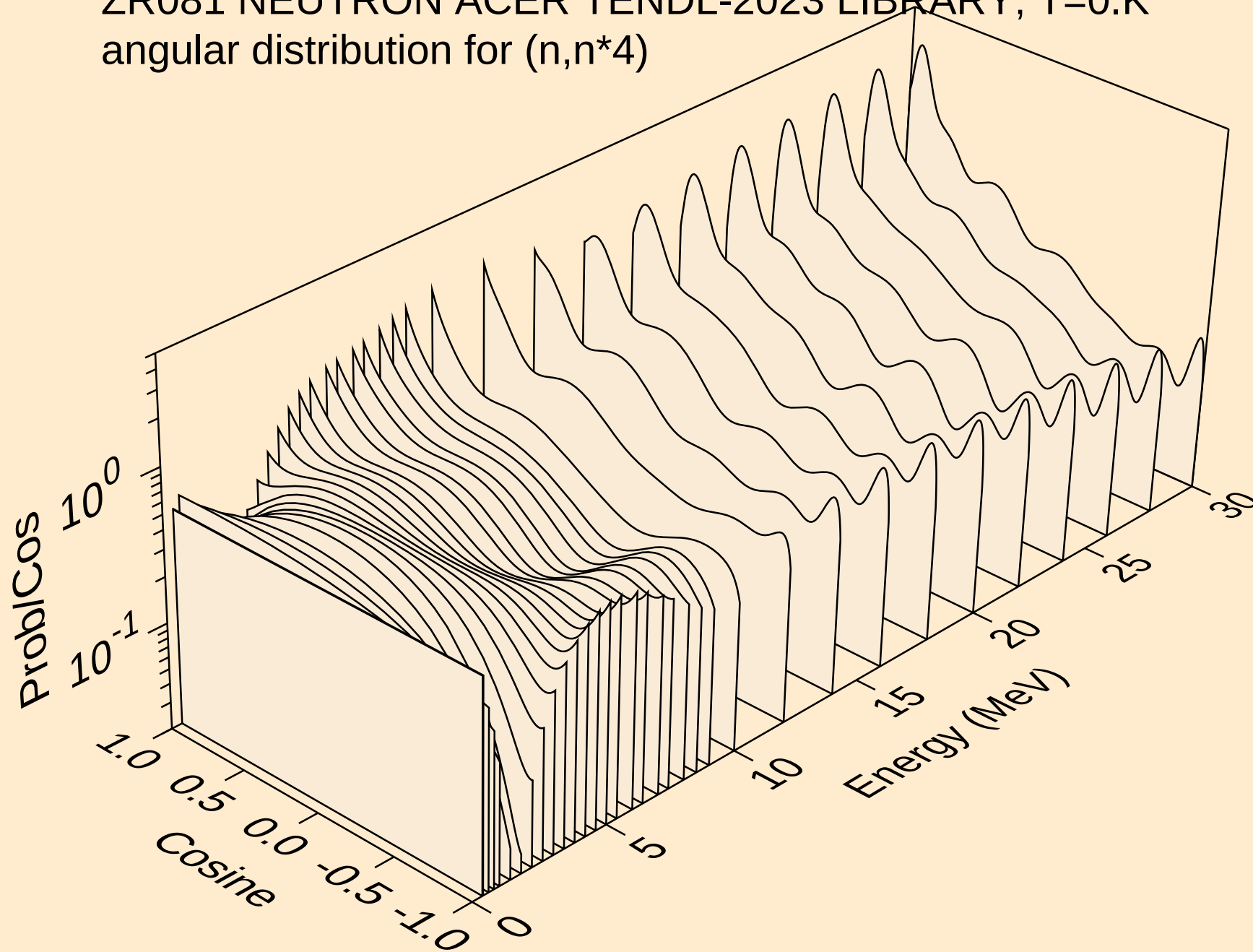
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



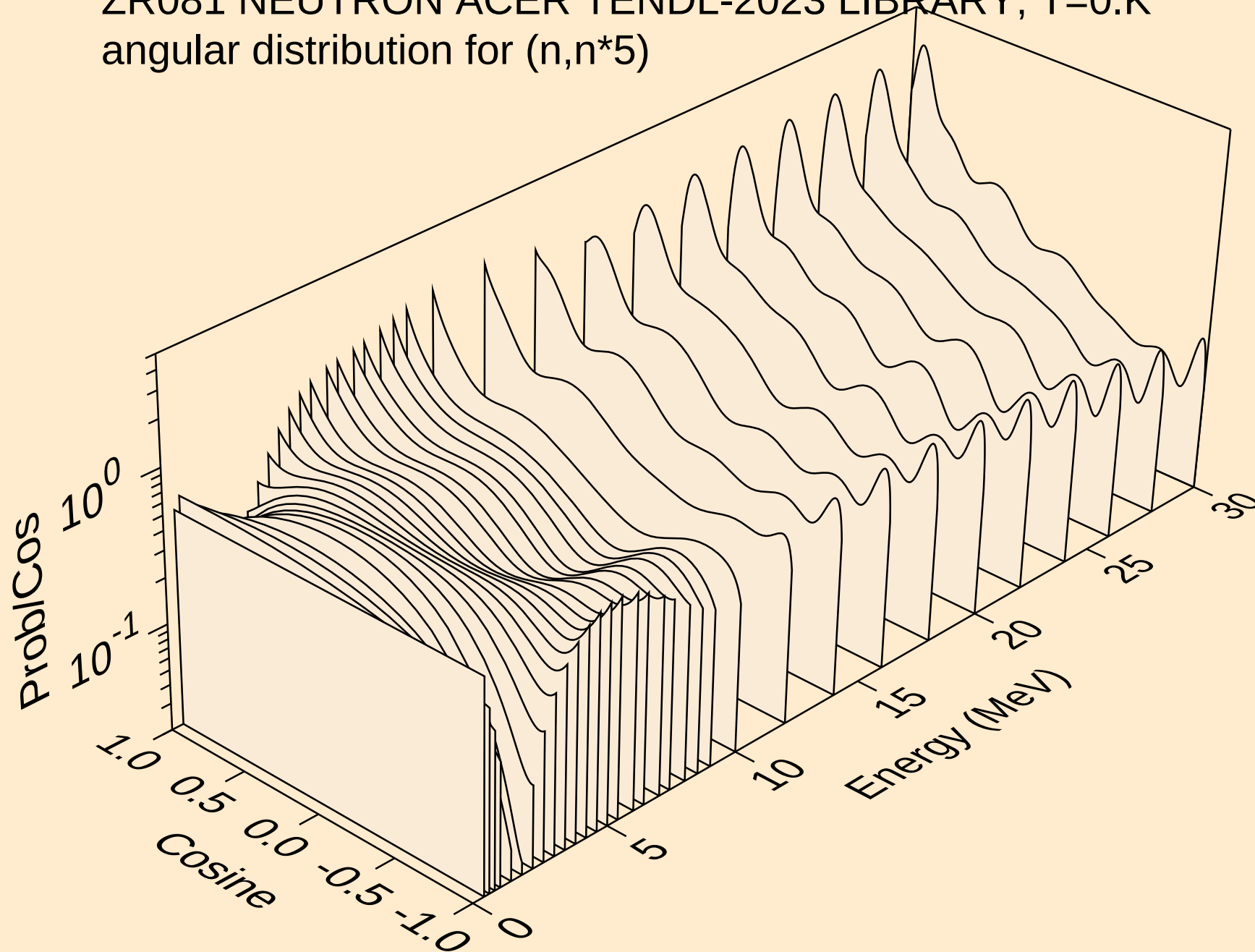
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



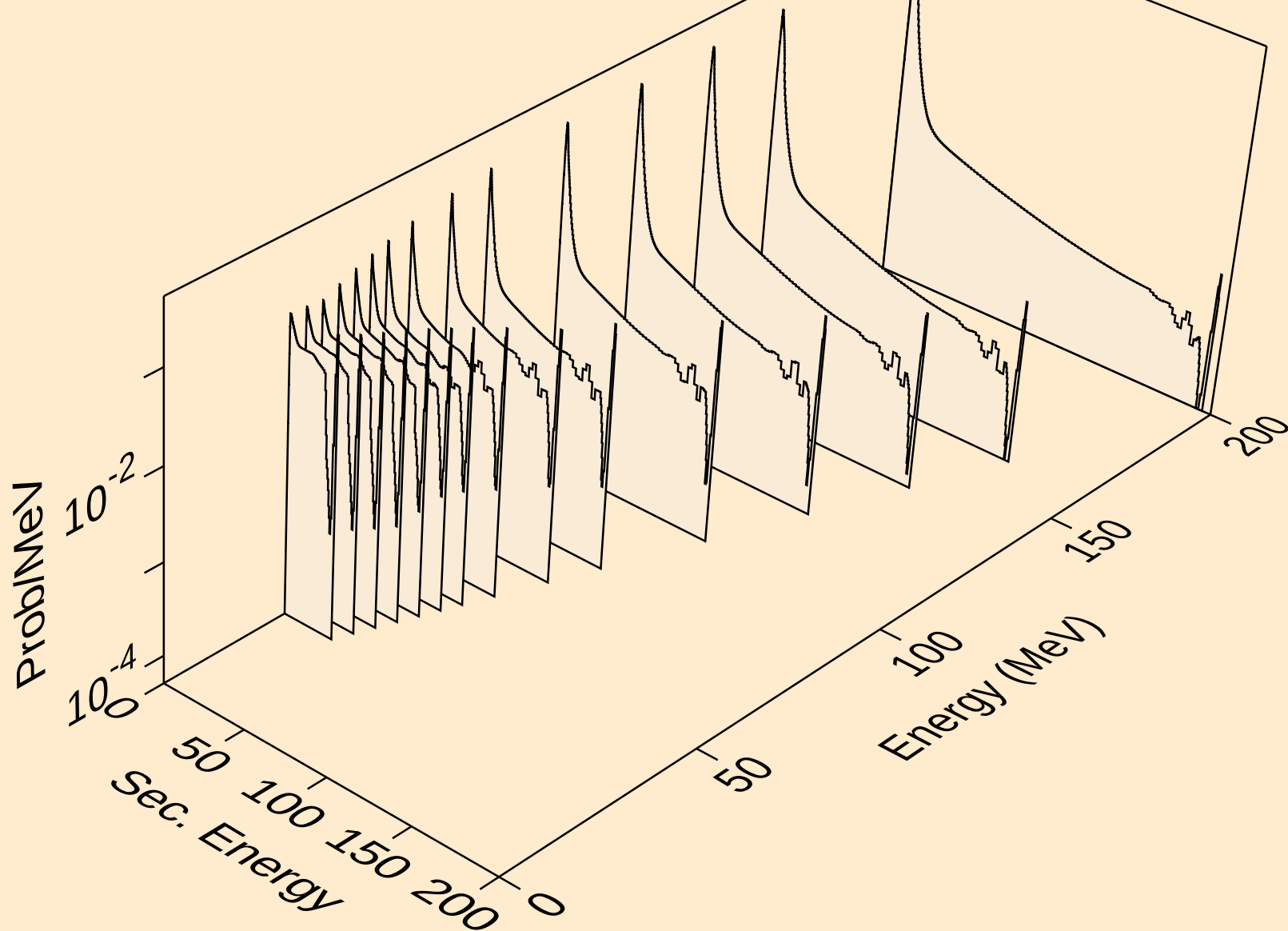
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



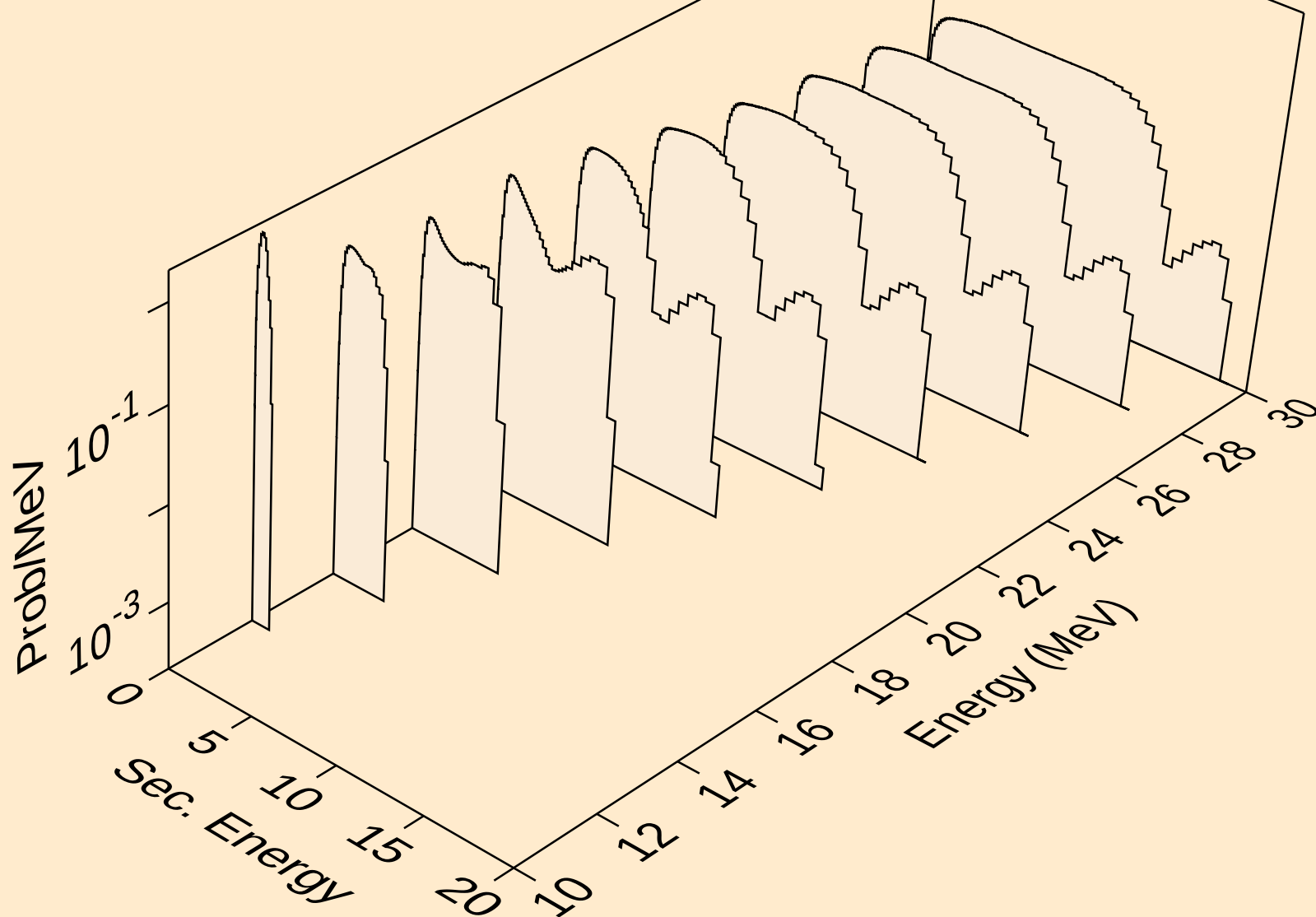
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)

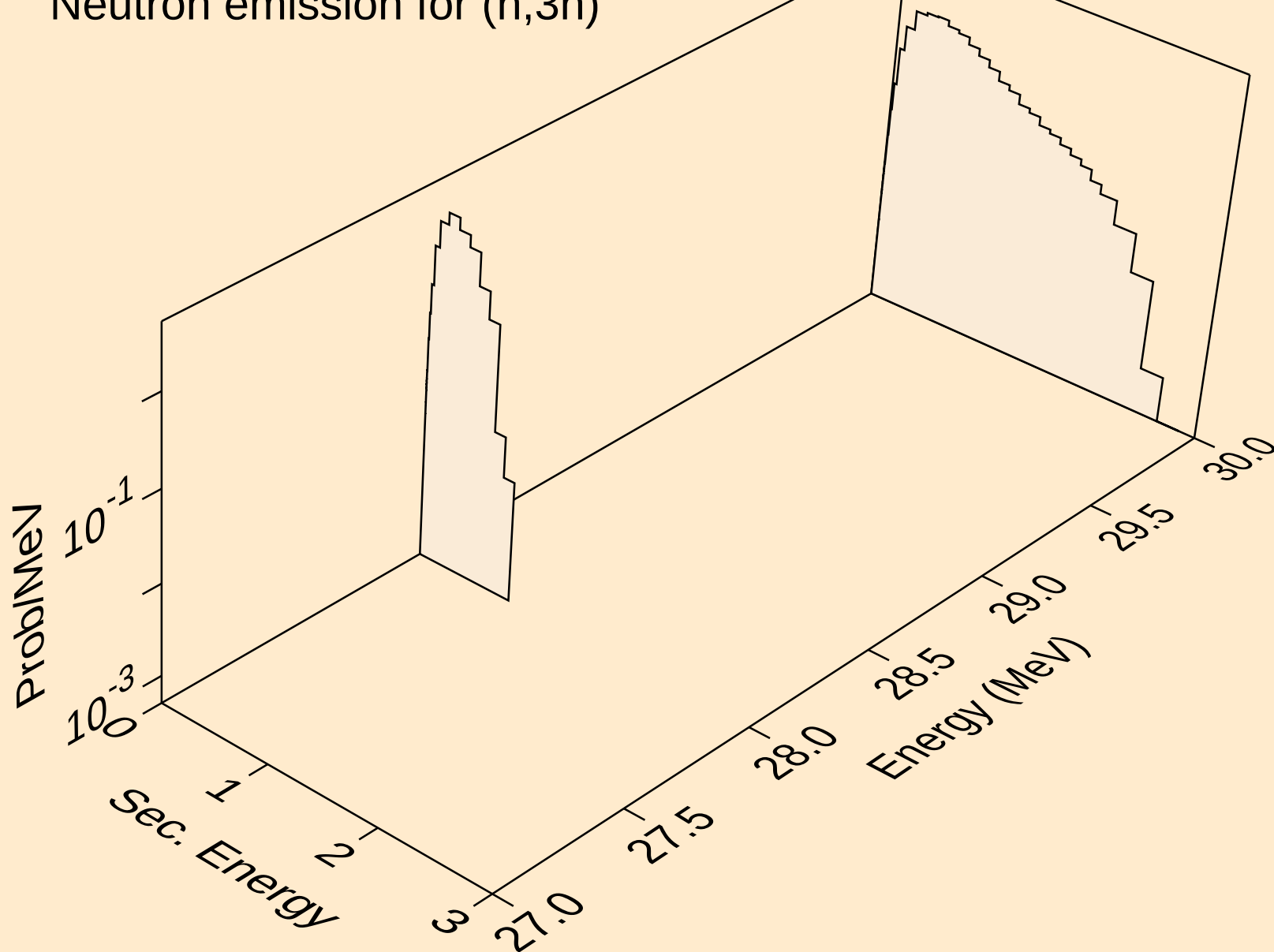


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



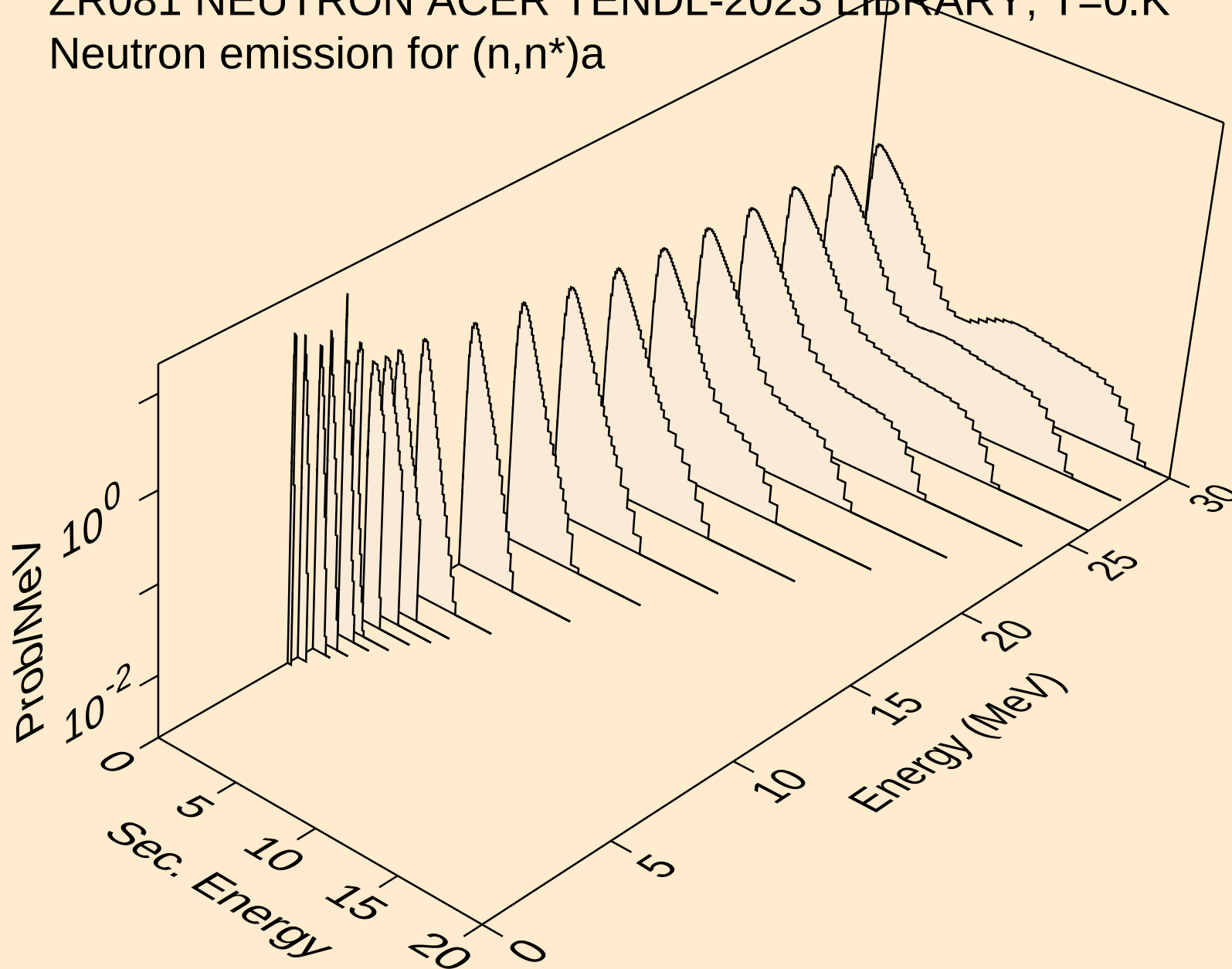
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,3n)



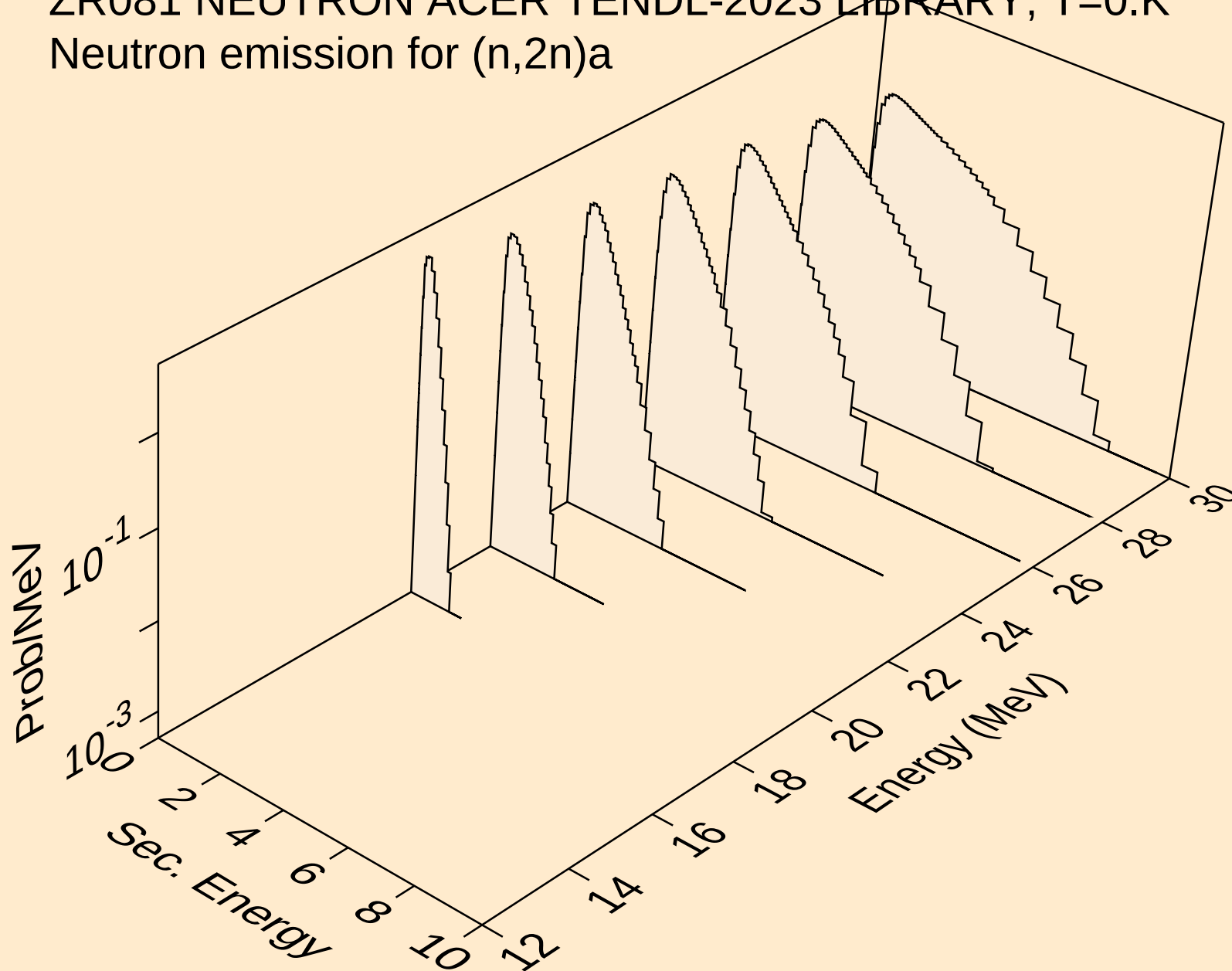
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)a



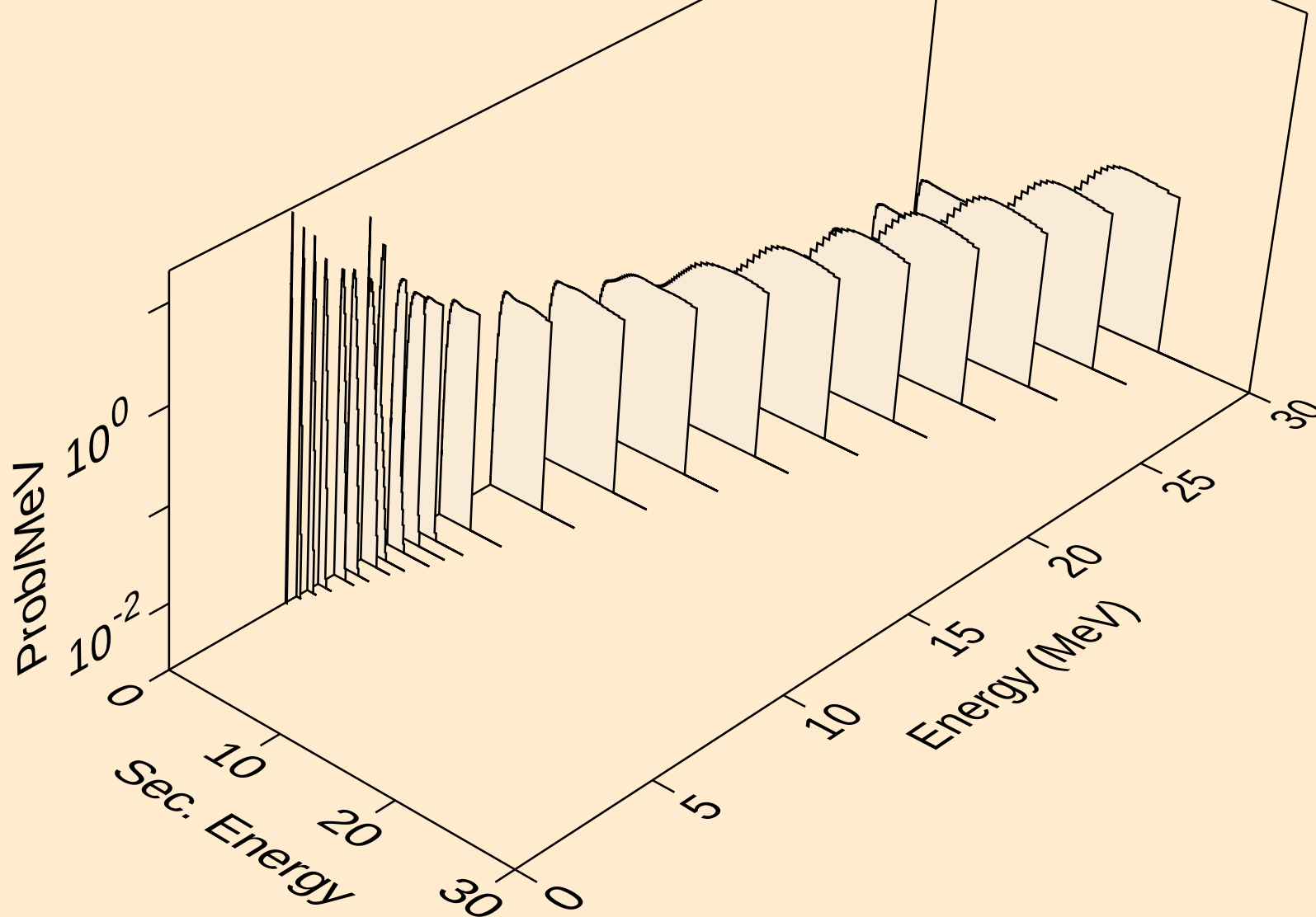
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,2n) α



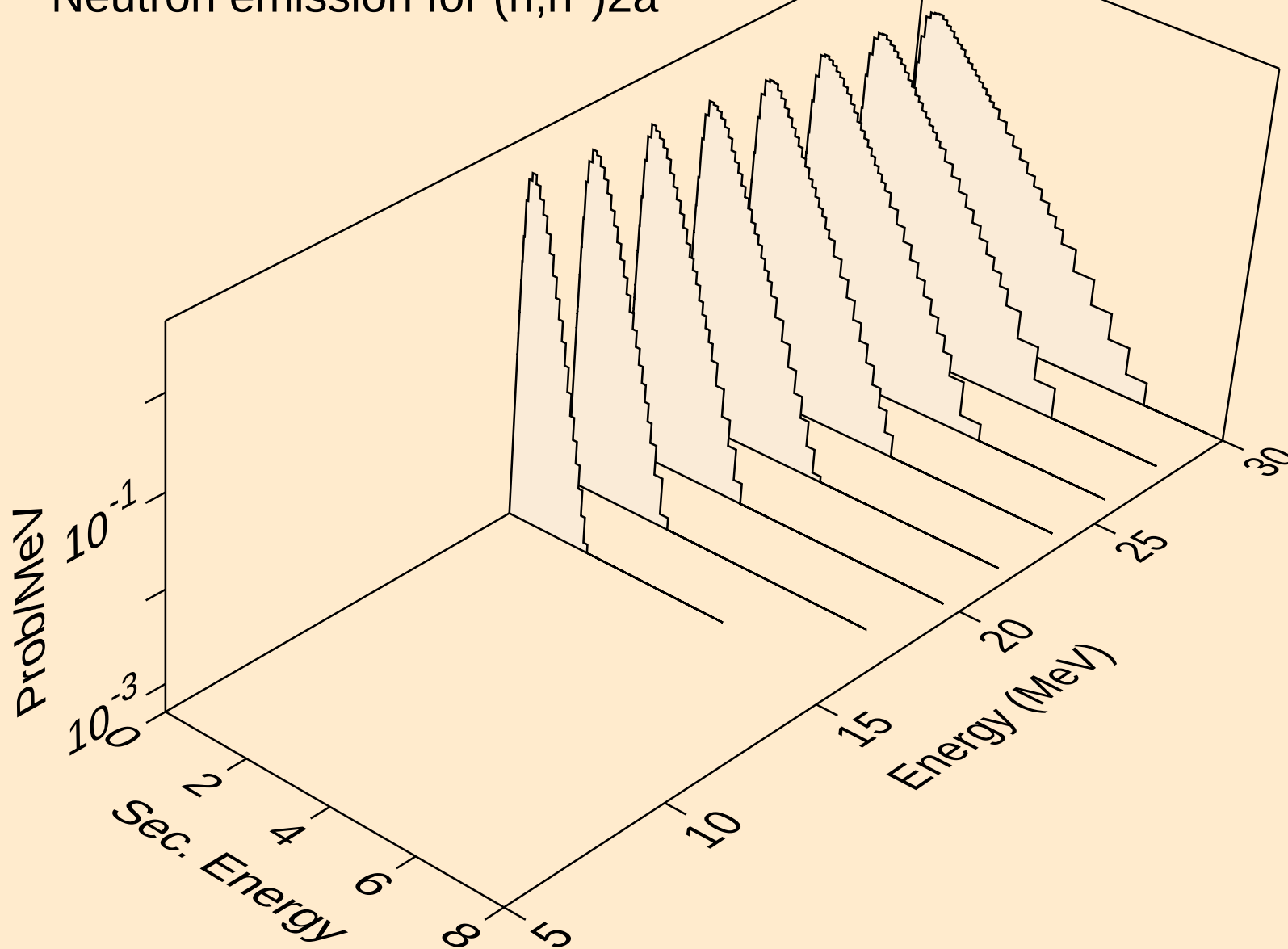
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)p



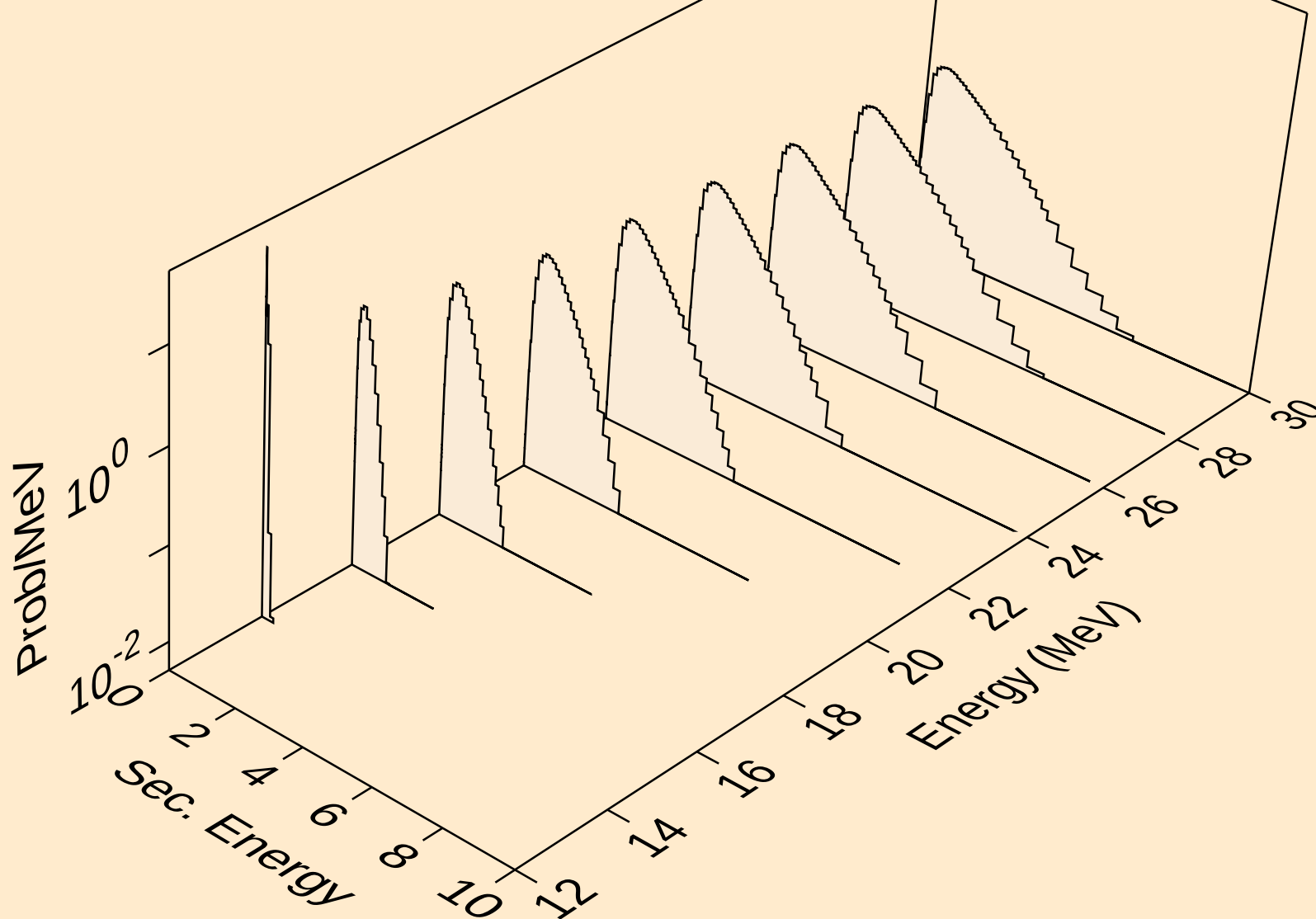
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)2a



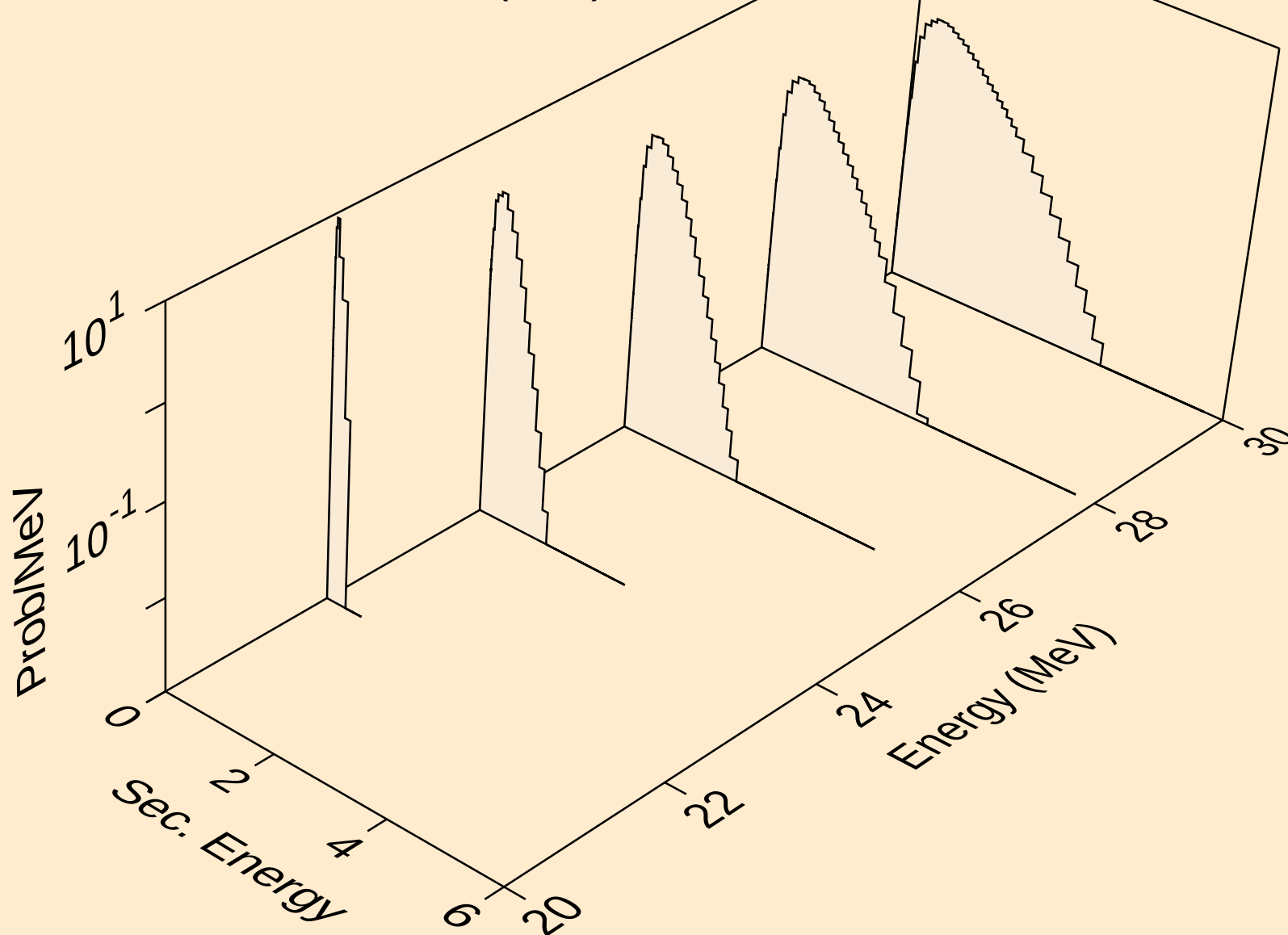
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)d

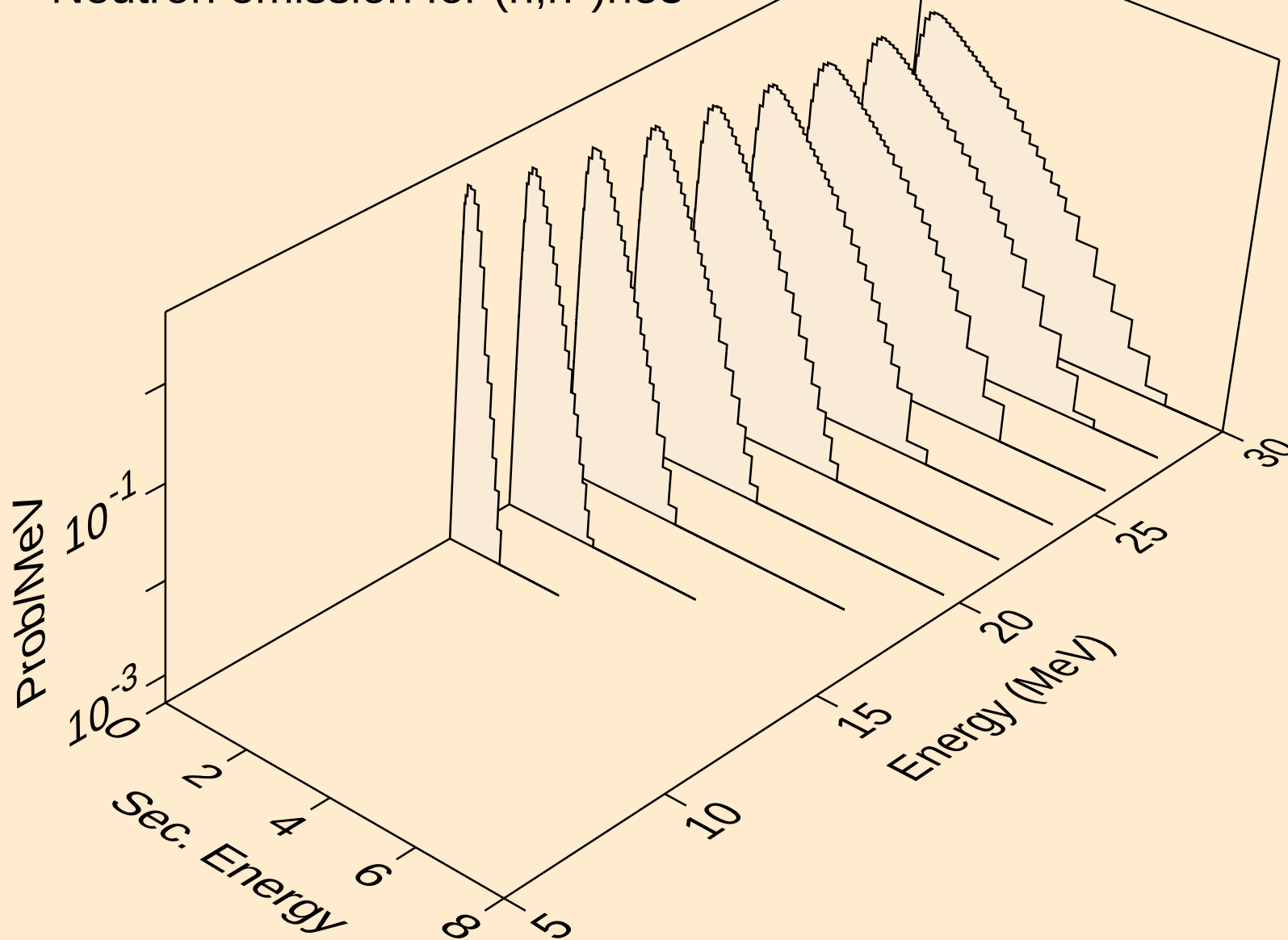


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

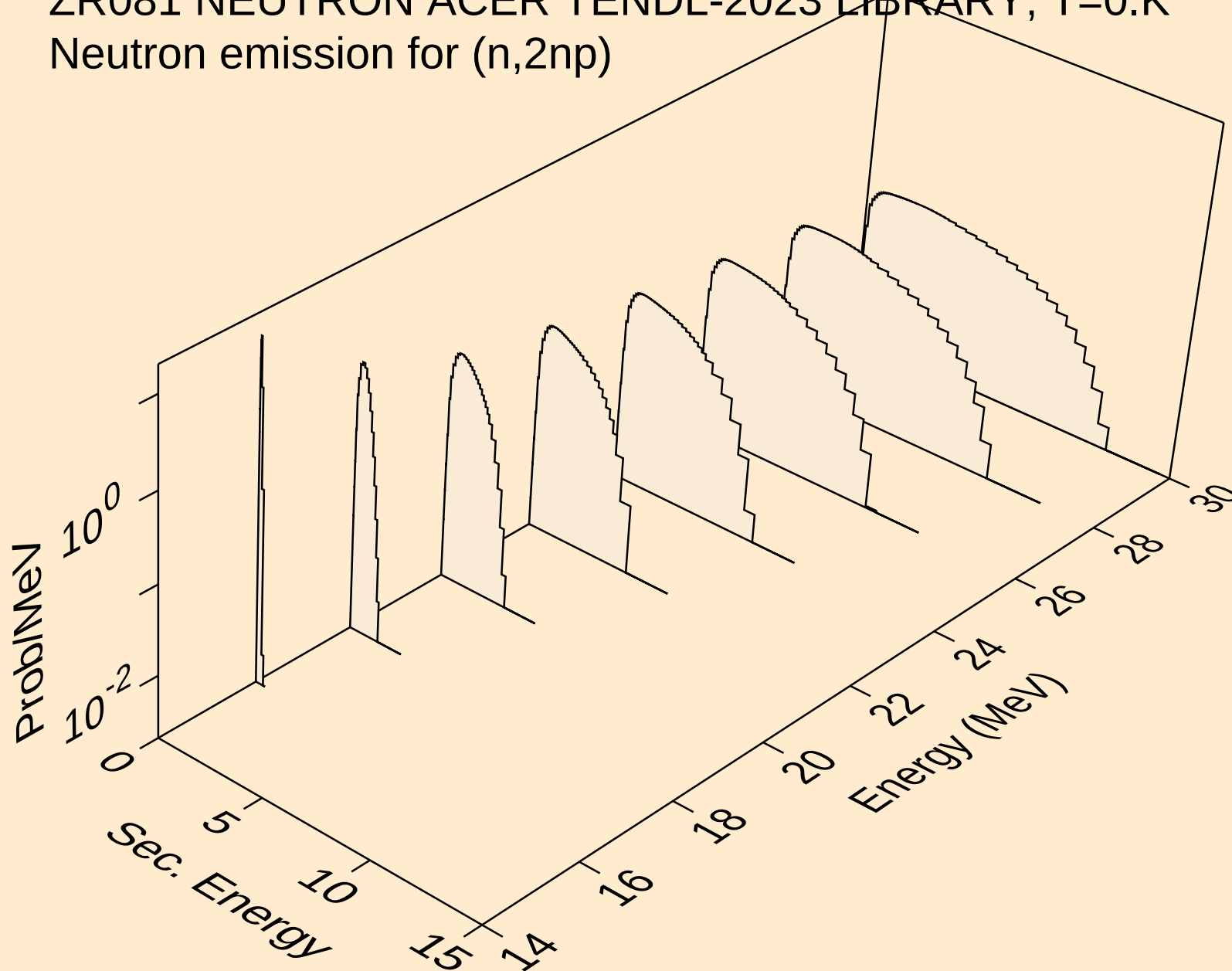
Neutron emission for (n,n*)t



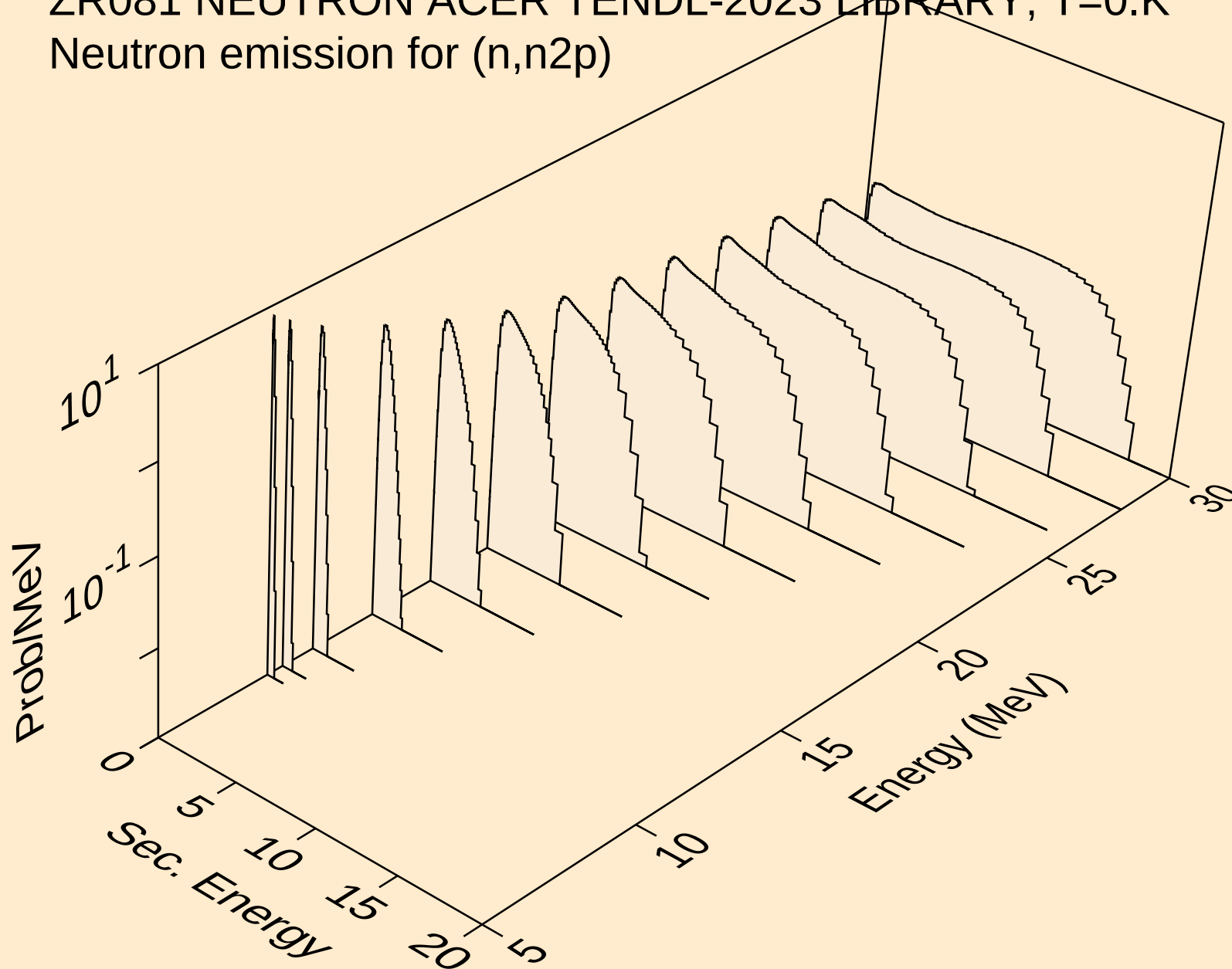
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



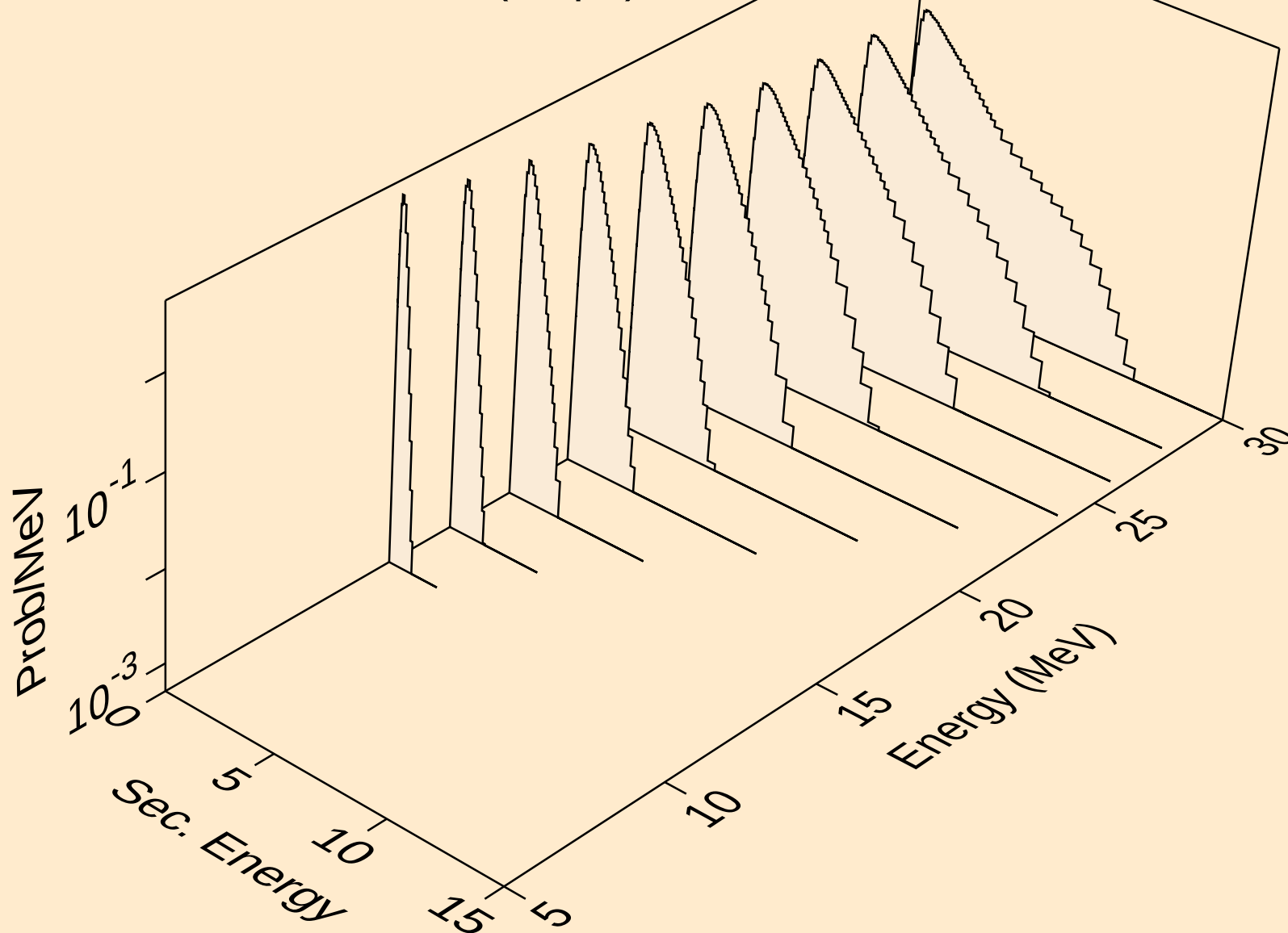
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



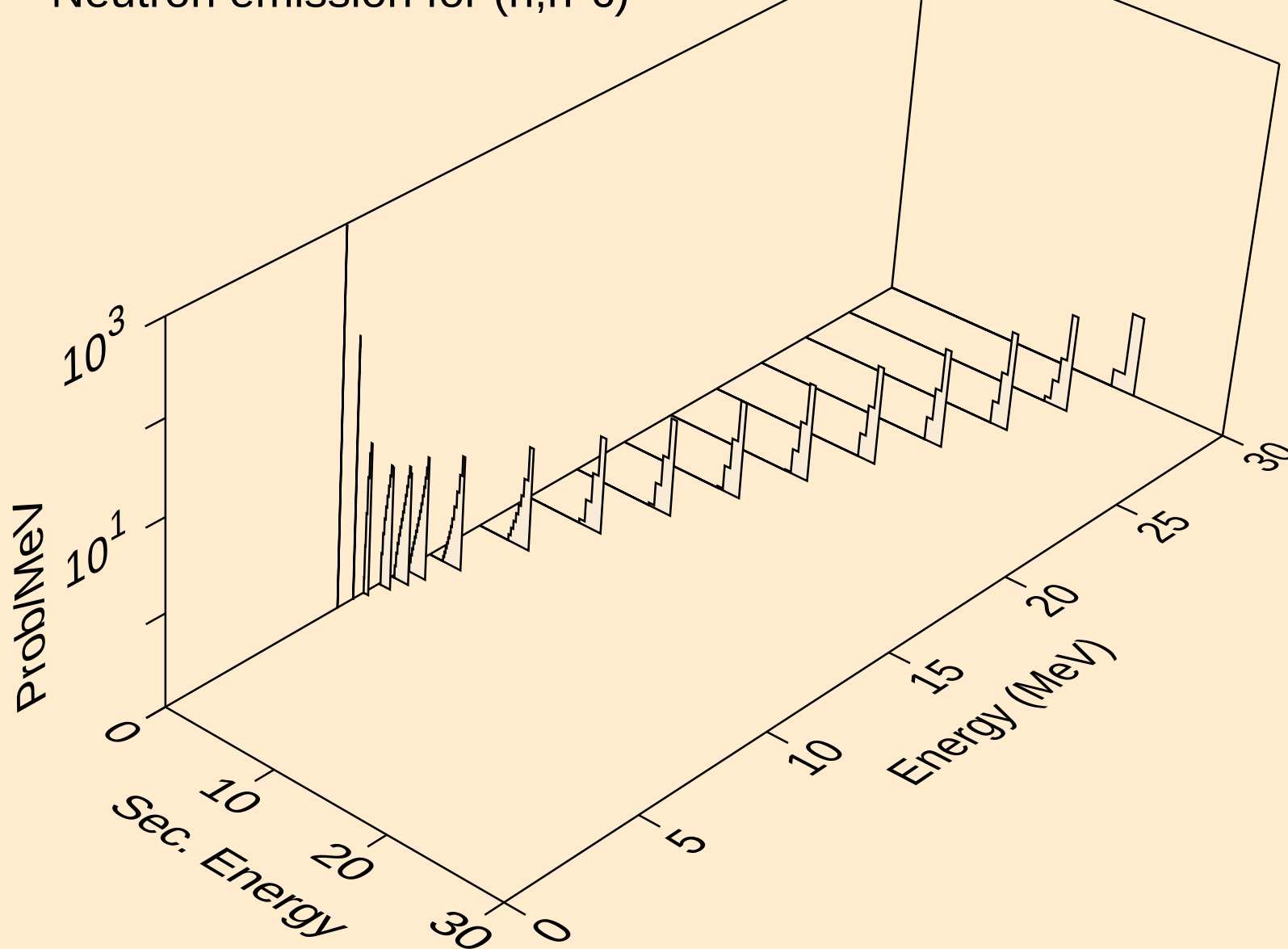
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)

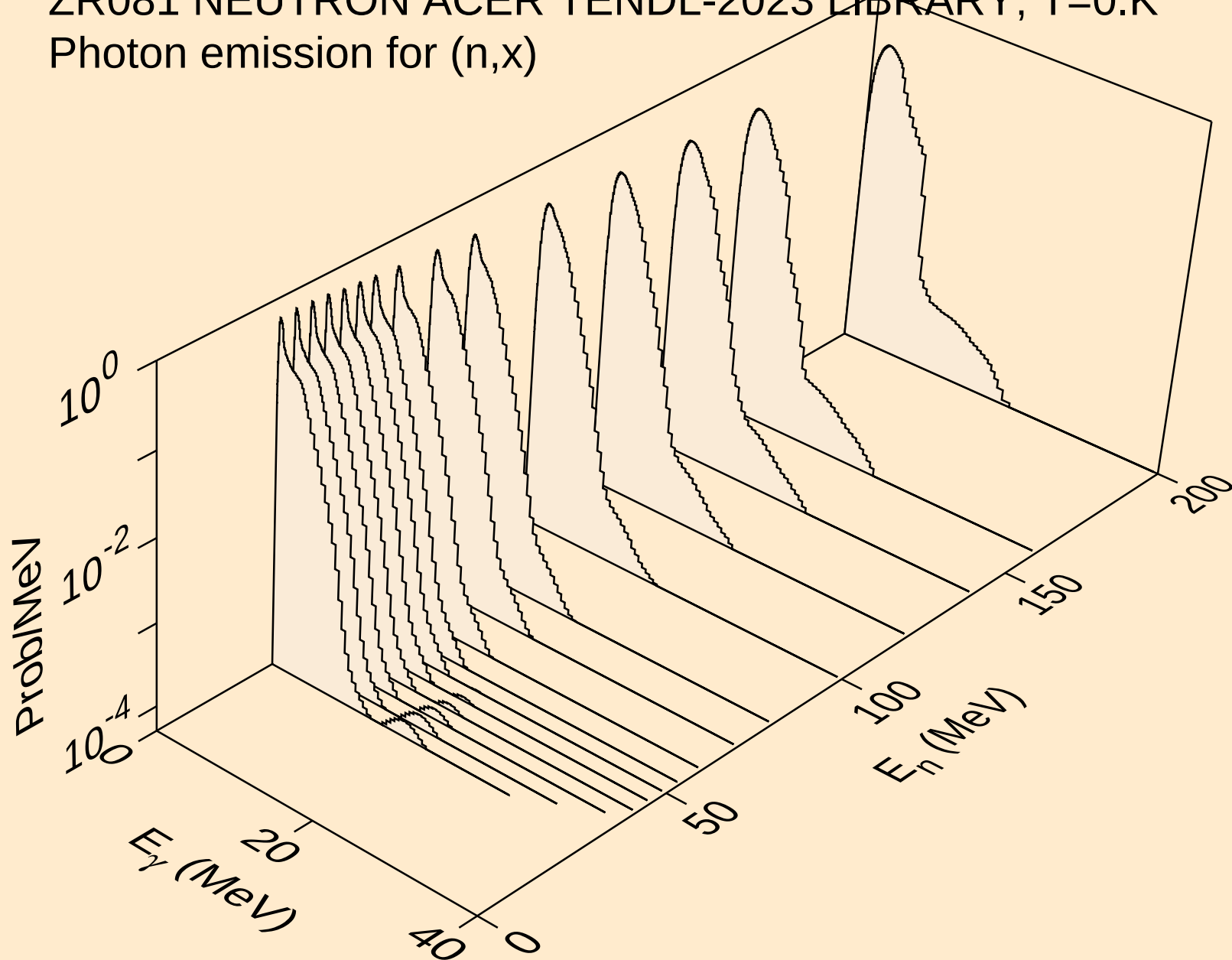


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)

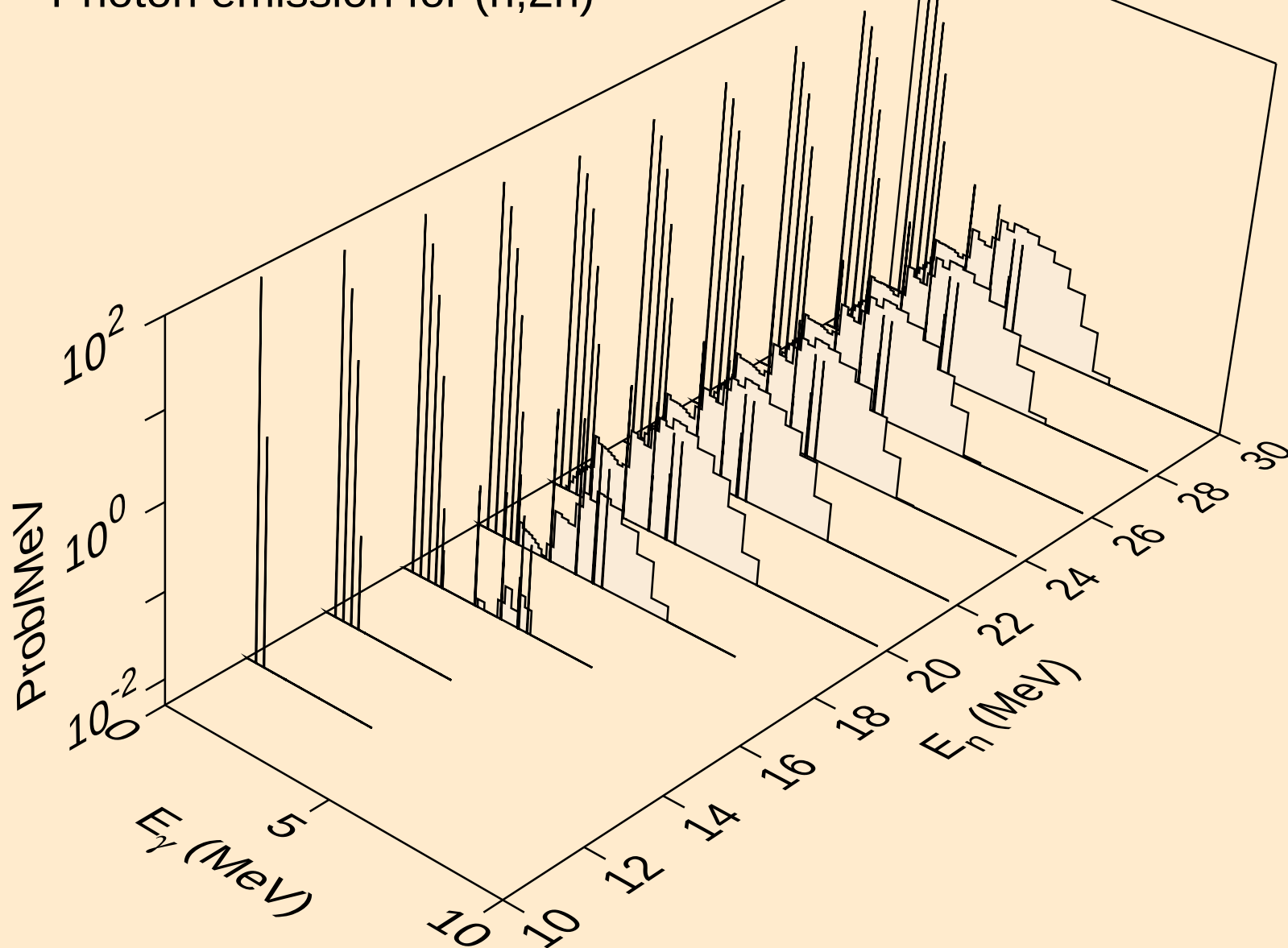


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,x)

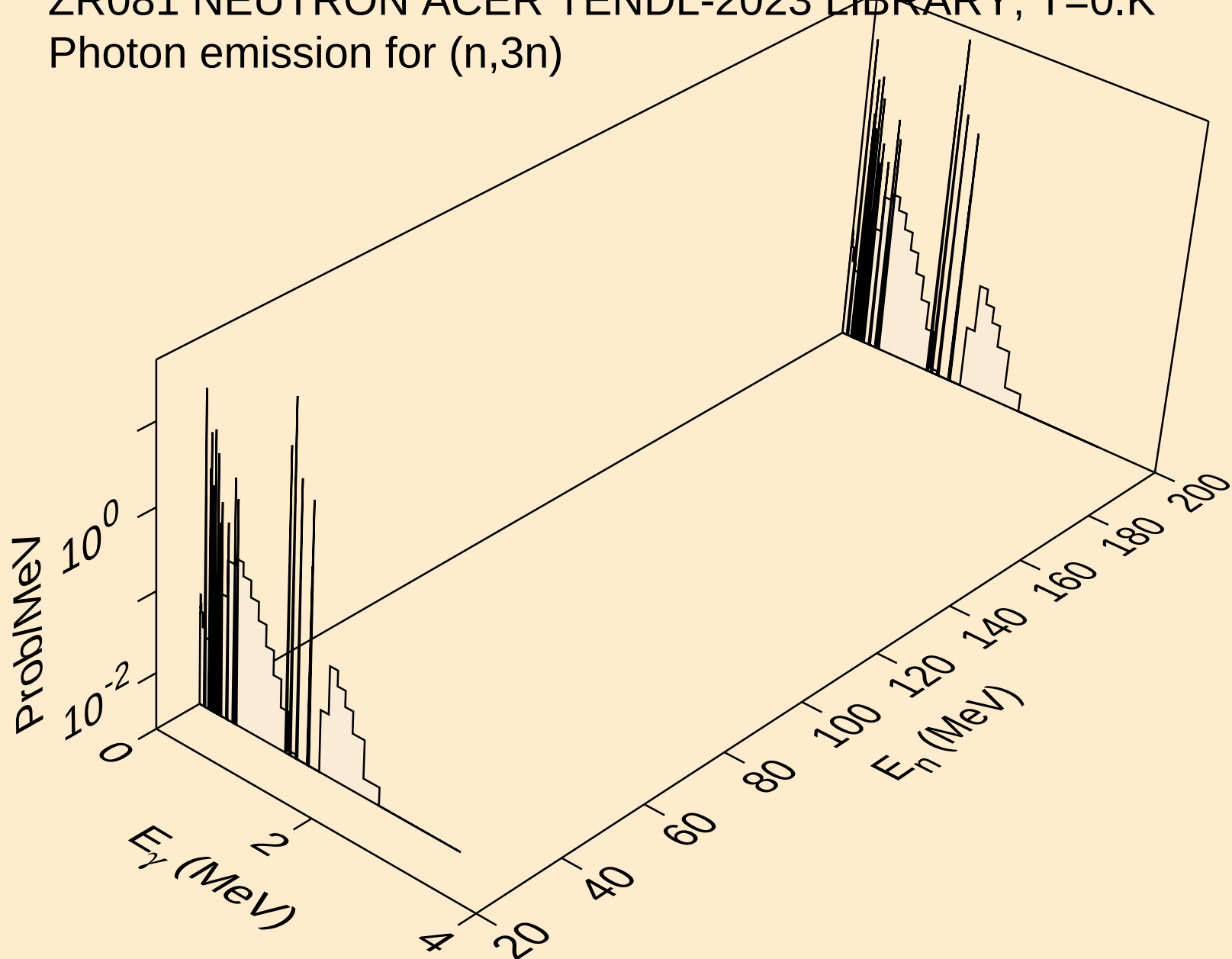


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



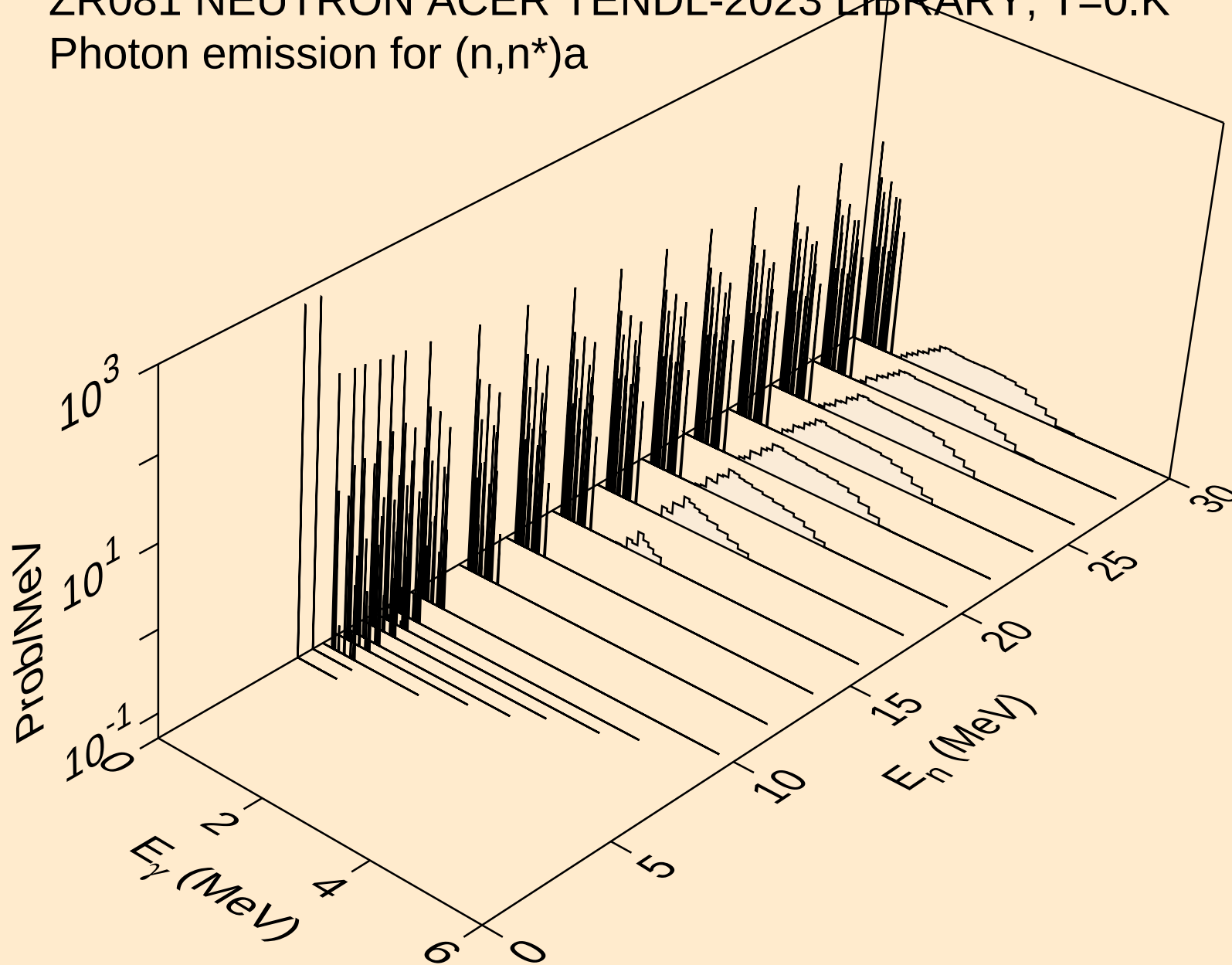
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n)



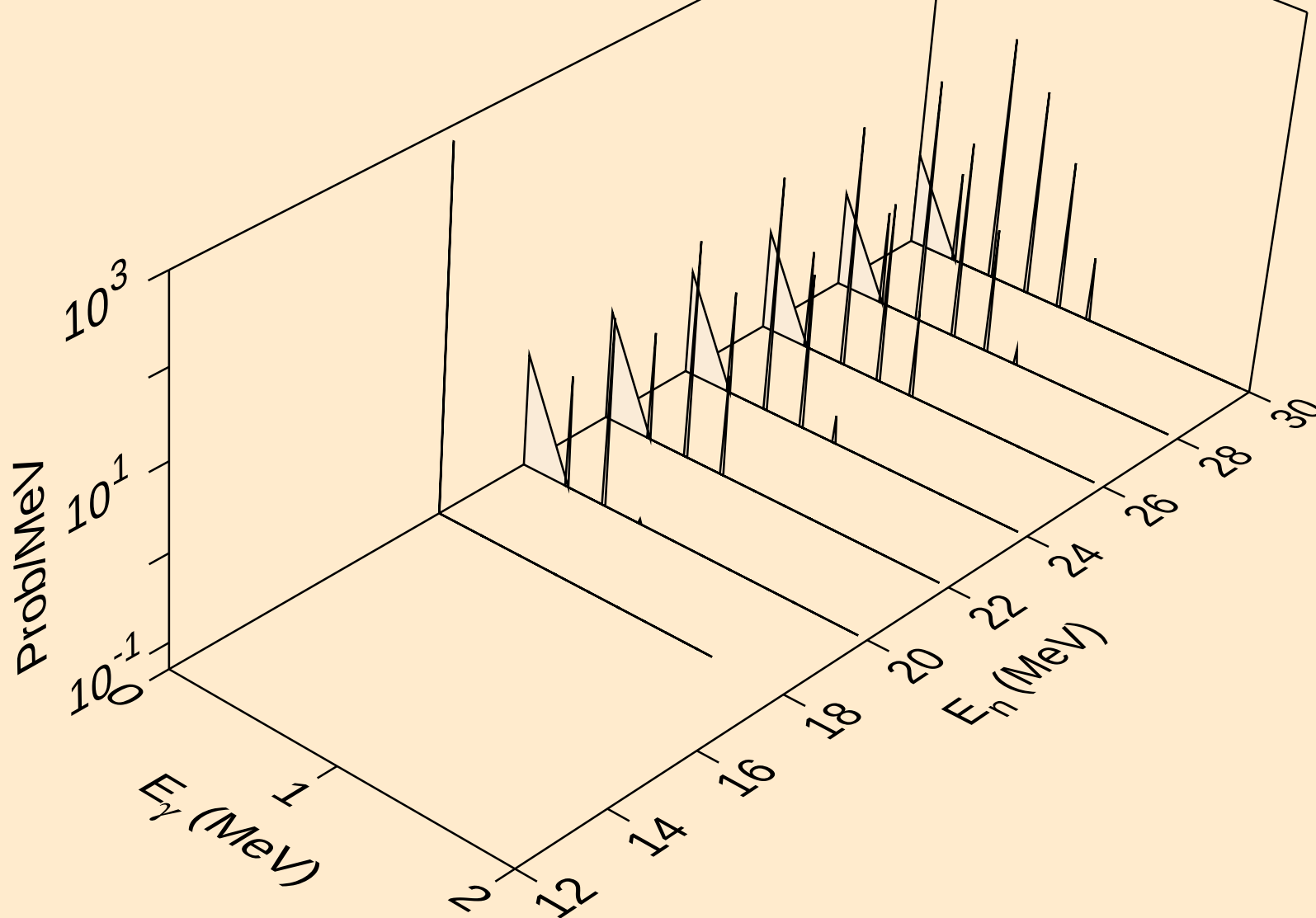
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



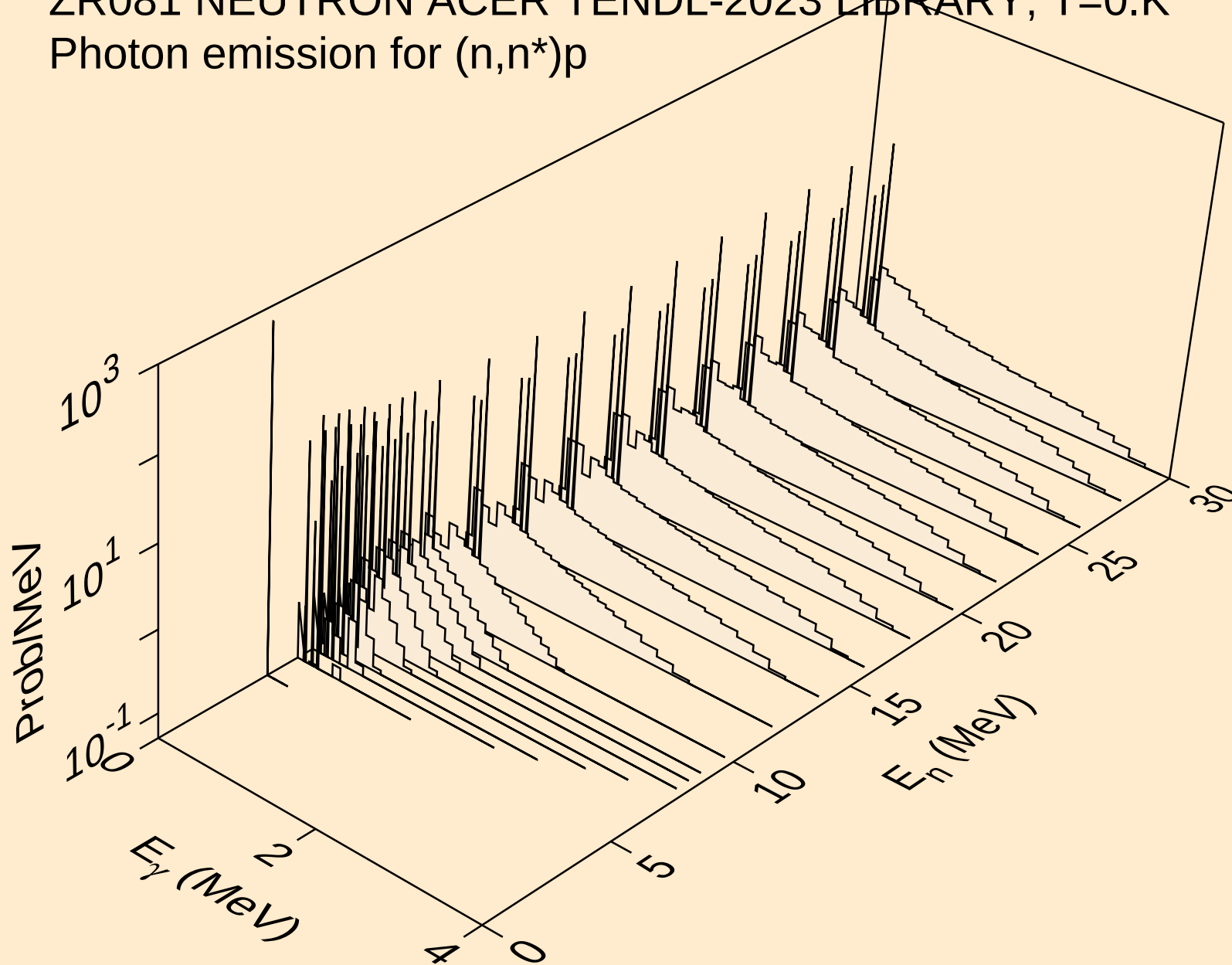
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



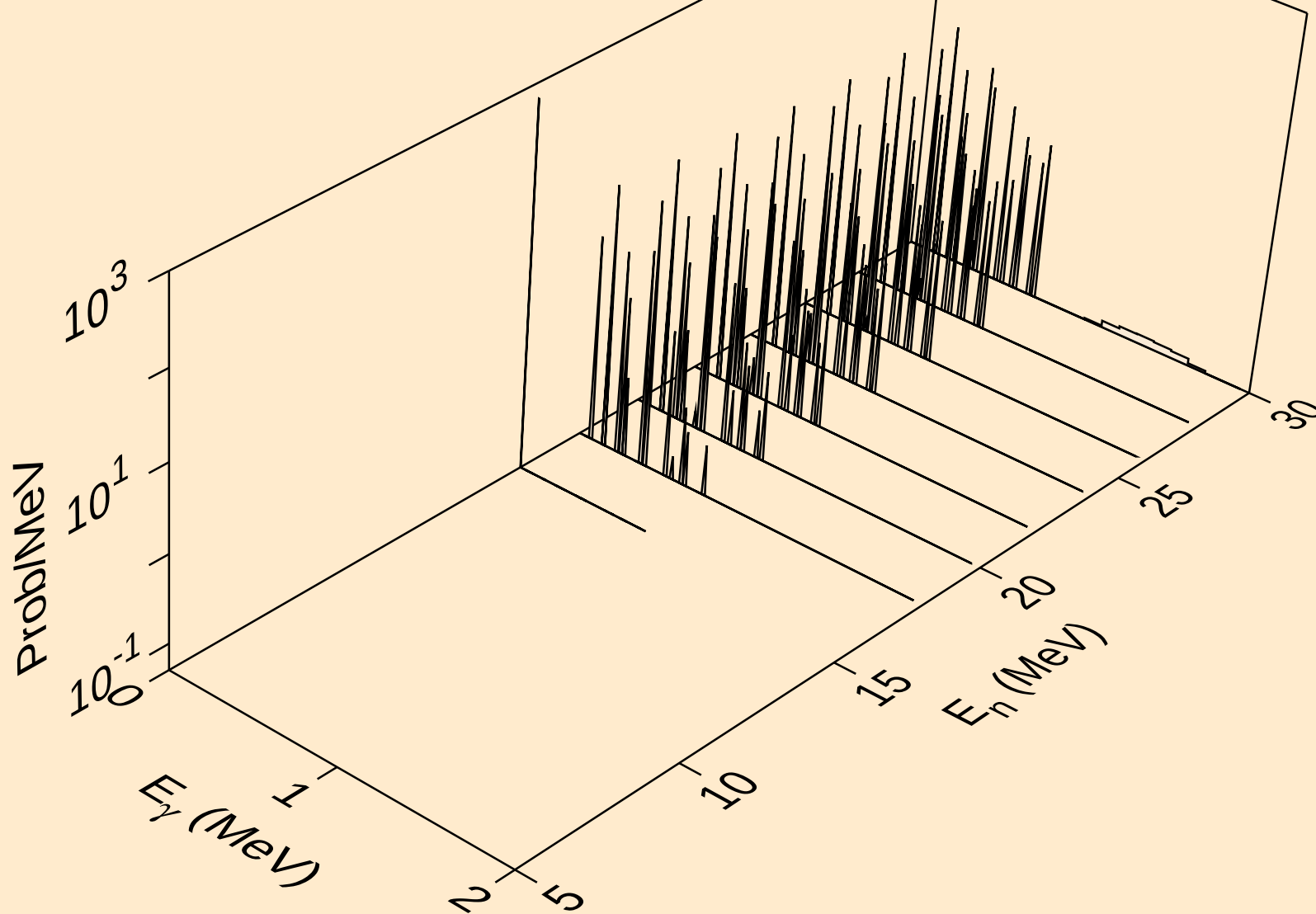
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



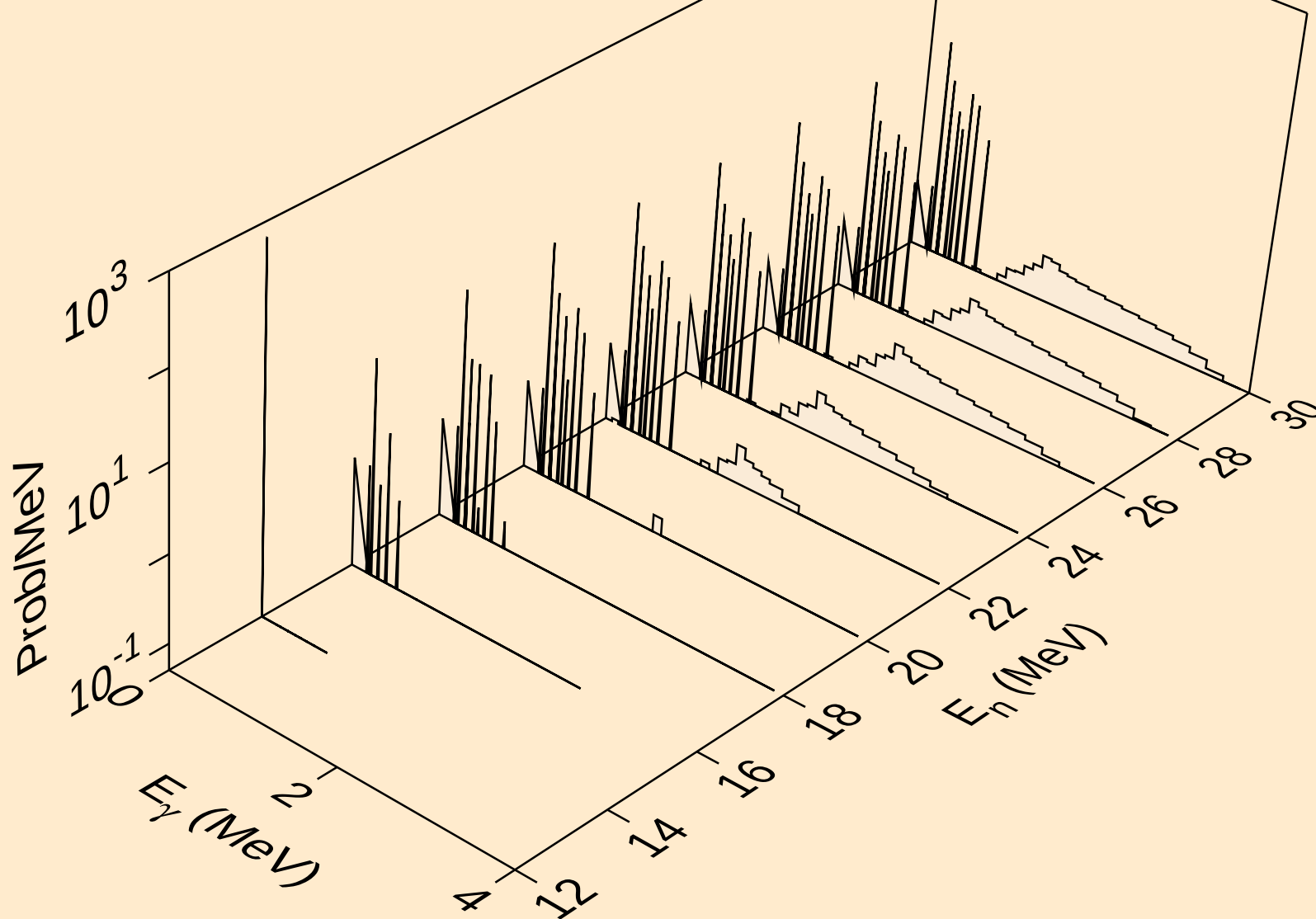
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a



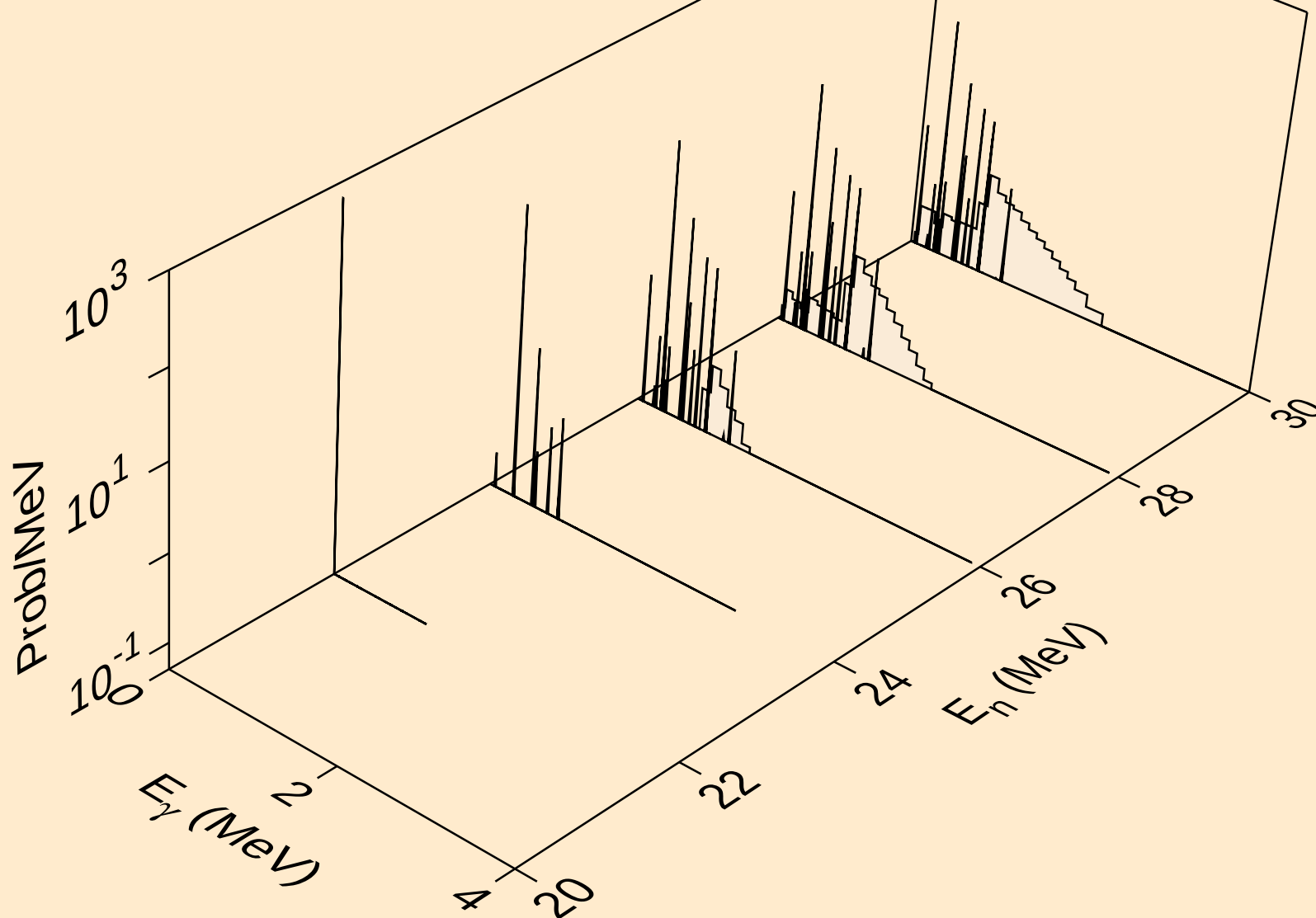
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d



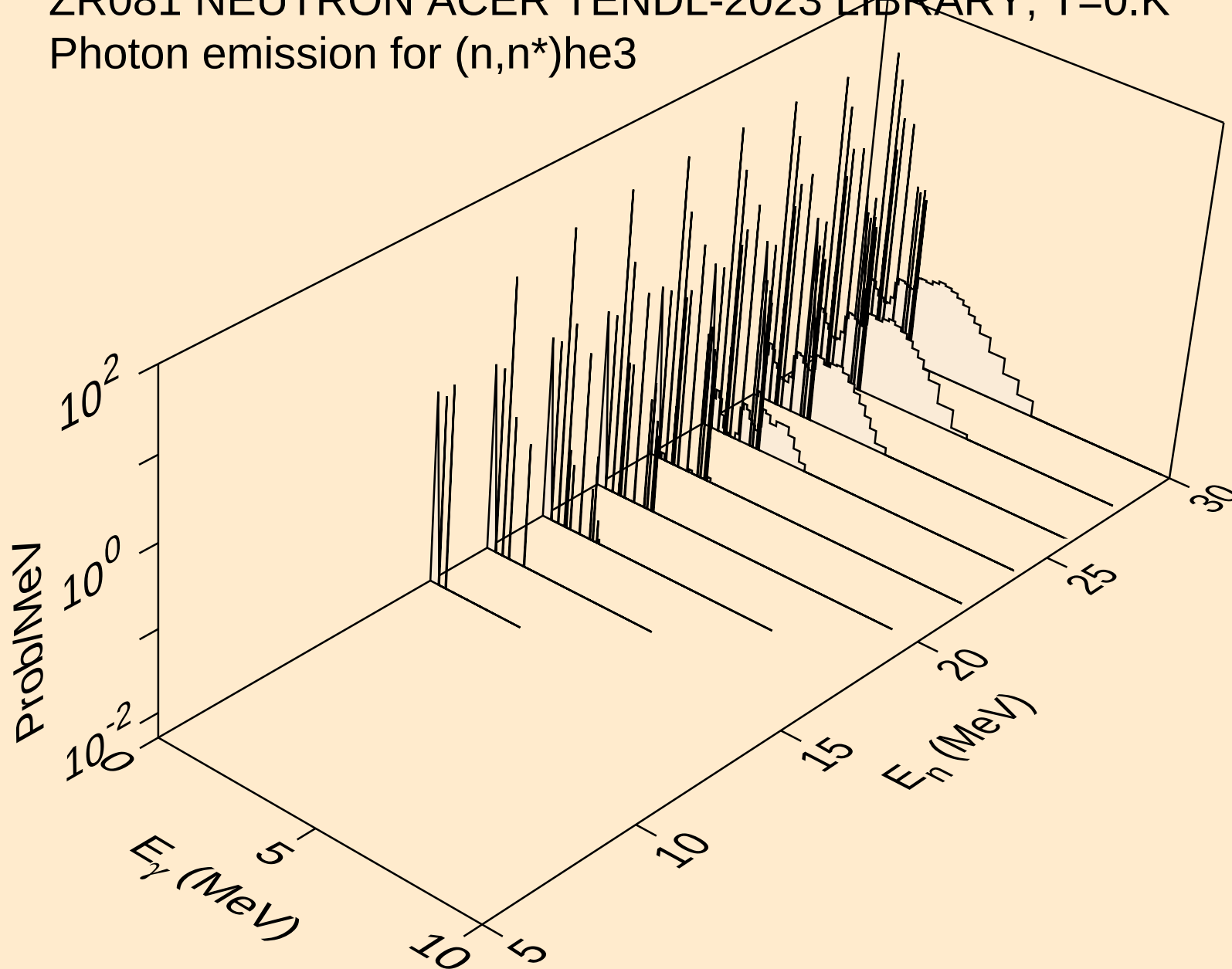
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)t

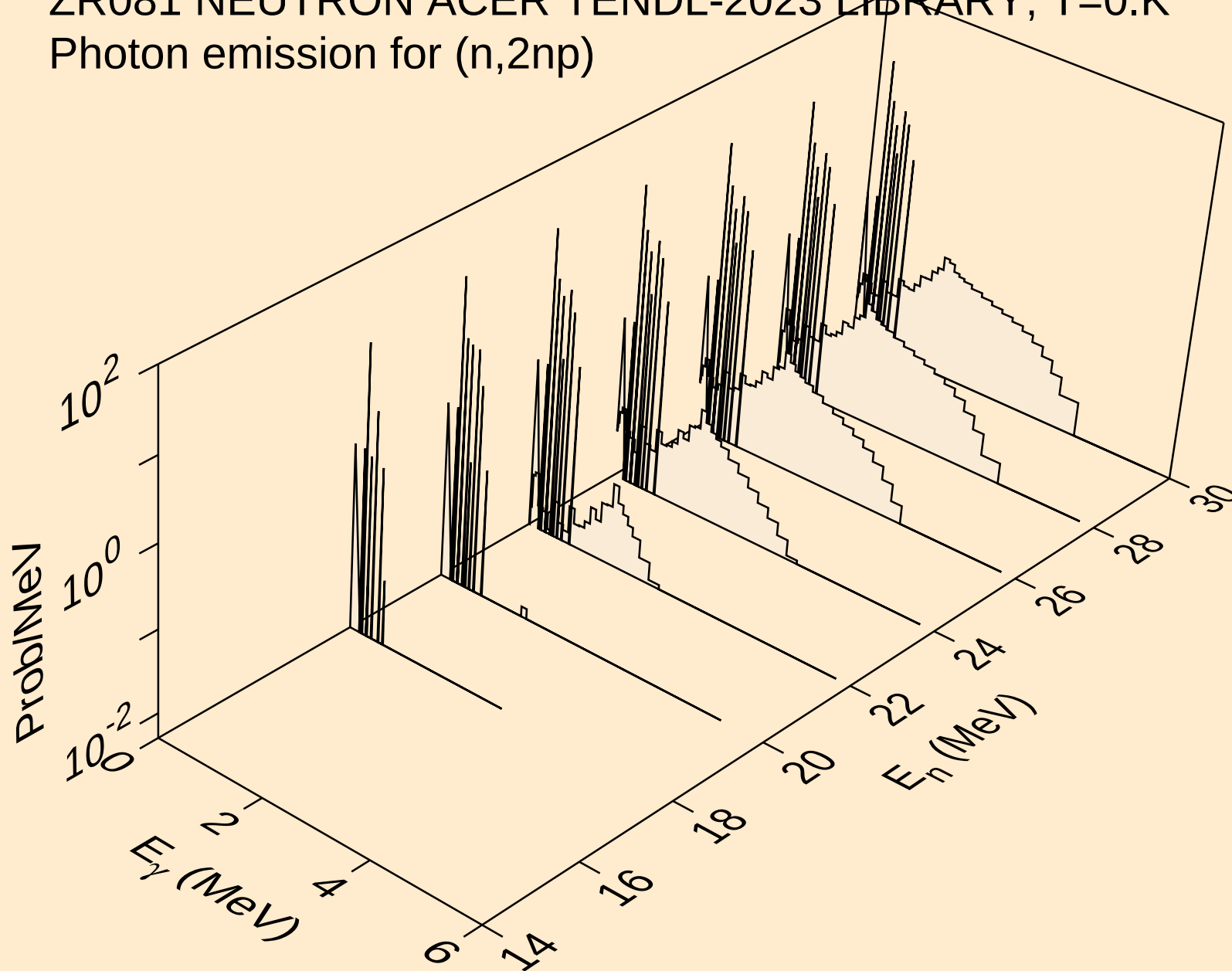


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

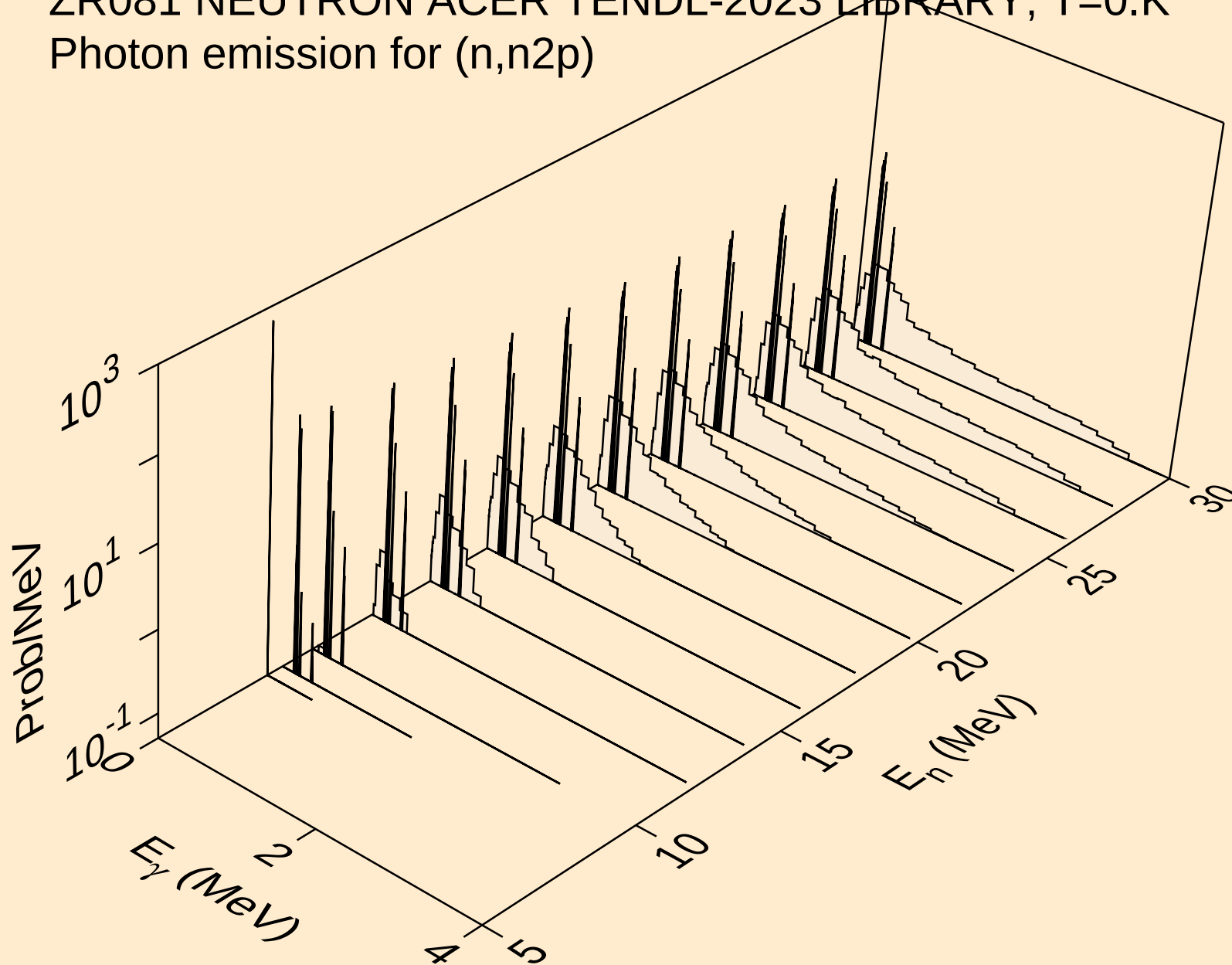
Photon emission for (n,n*)he3



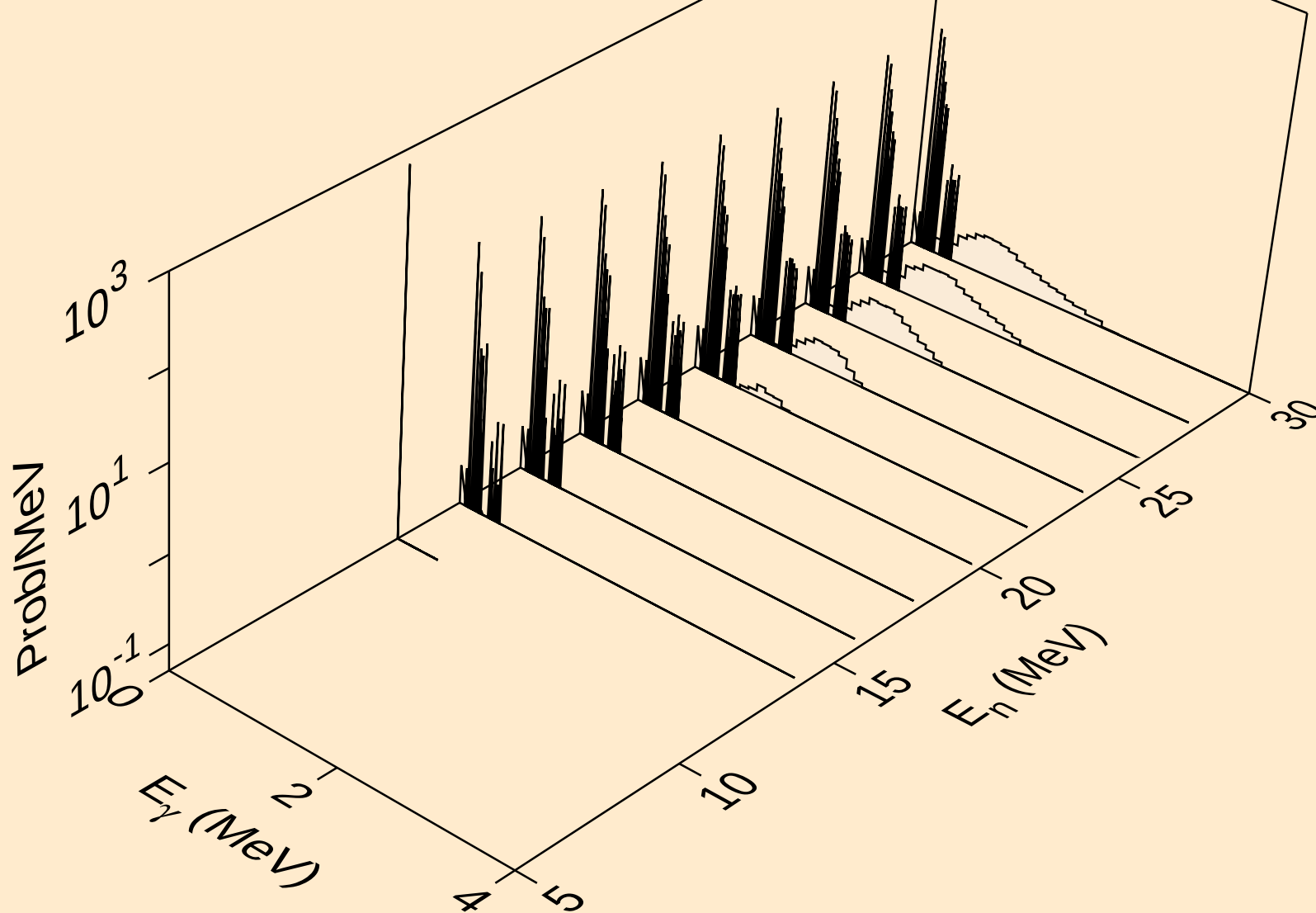
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



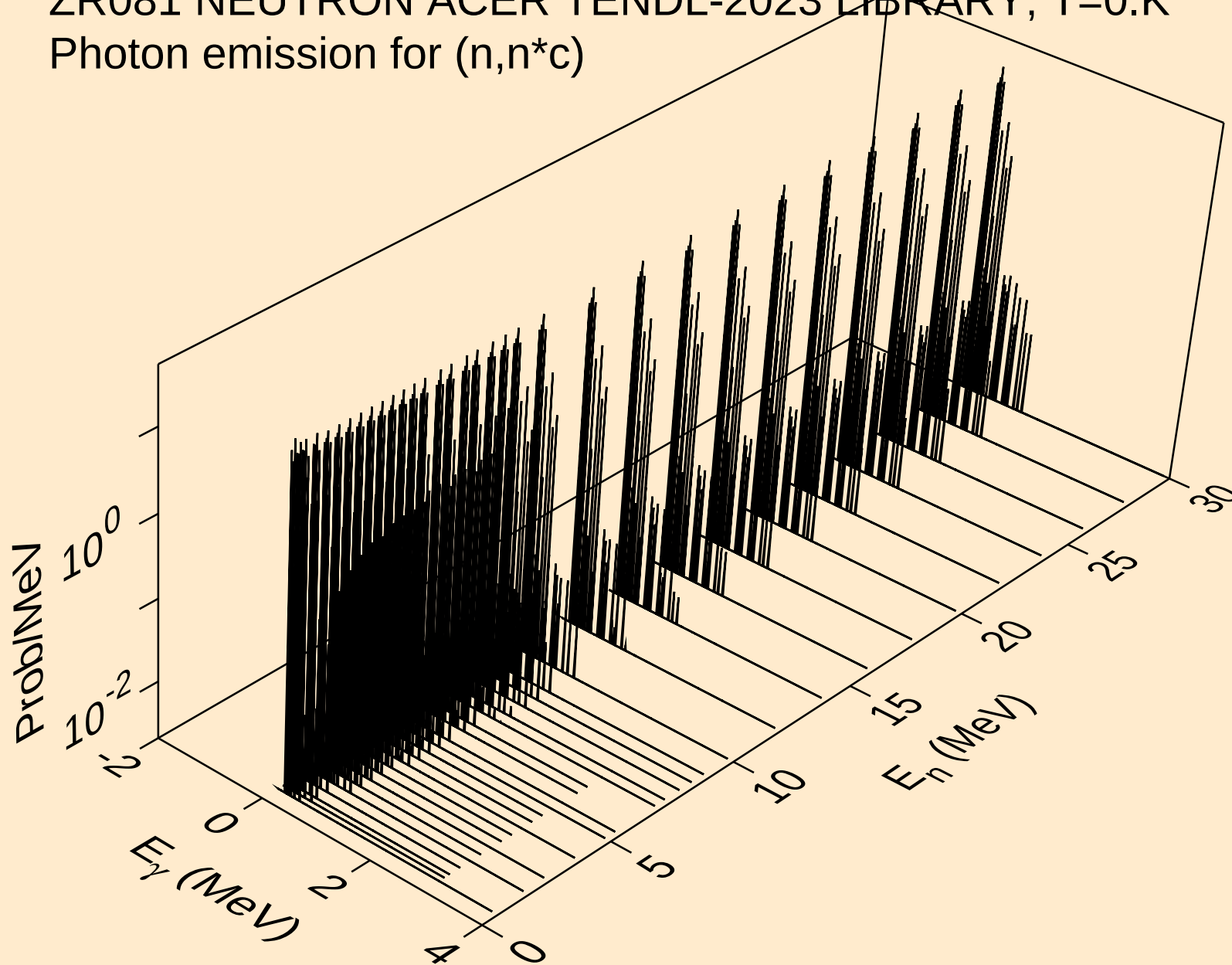
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



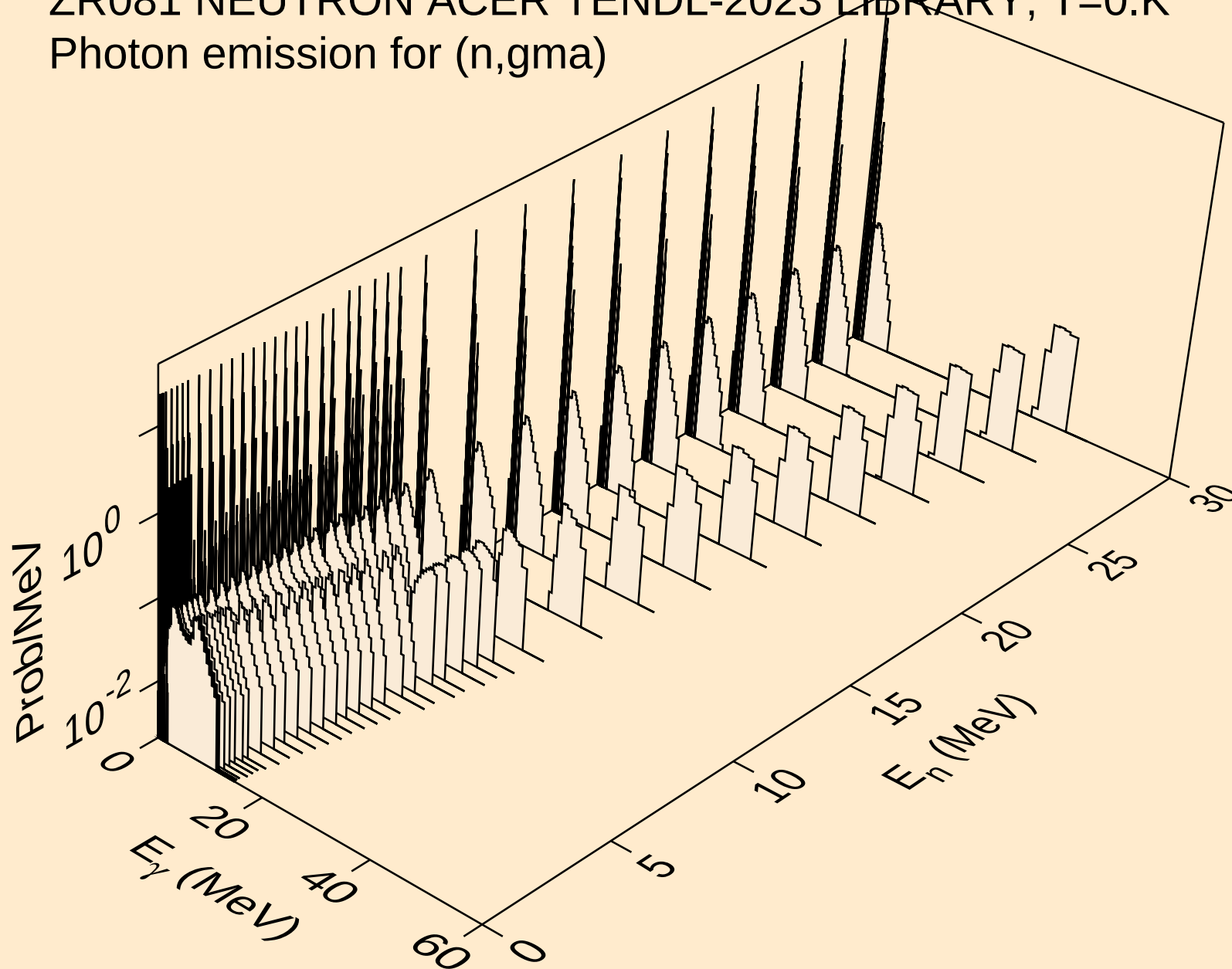
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)

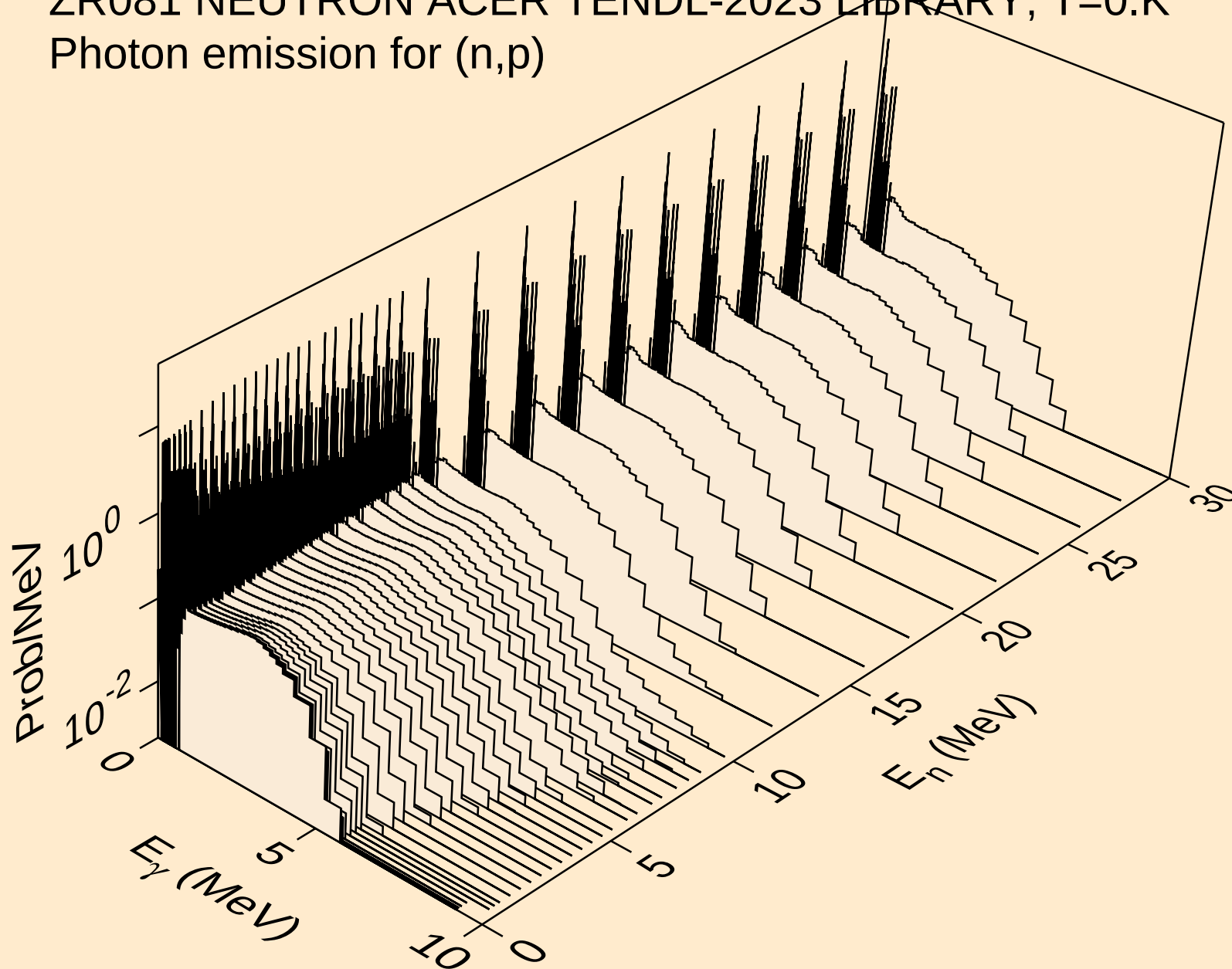


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)

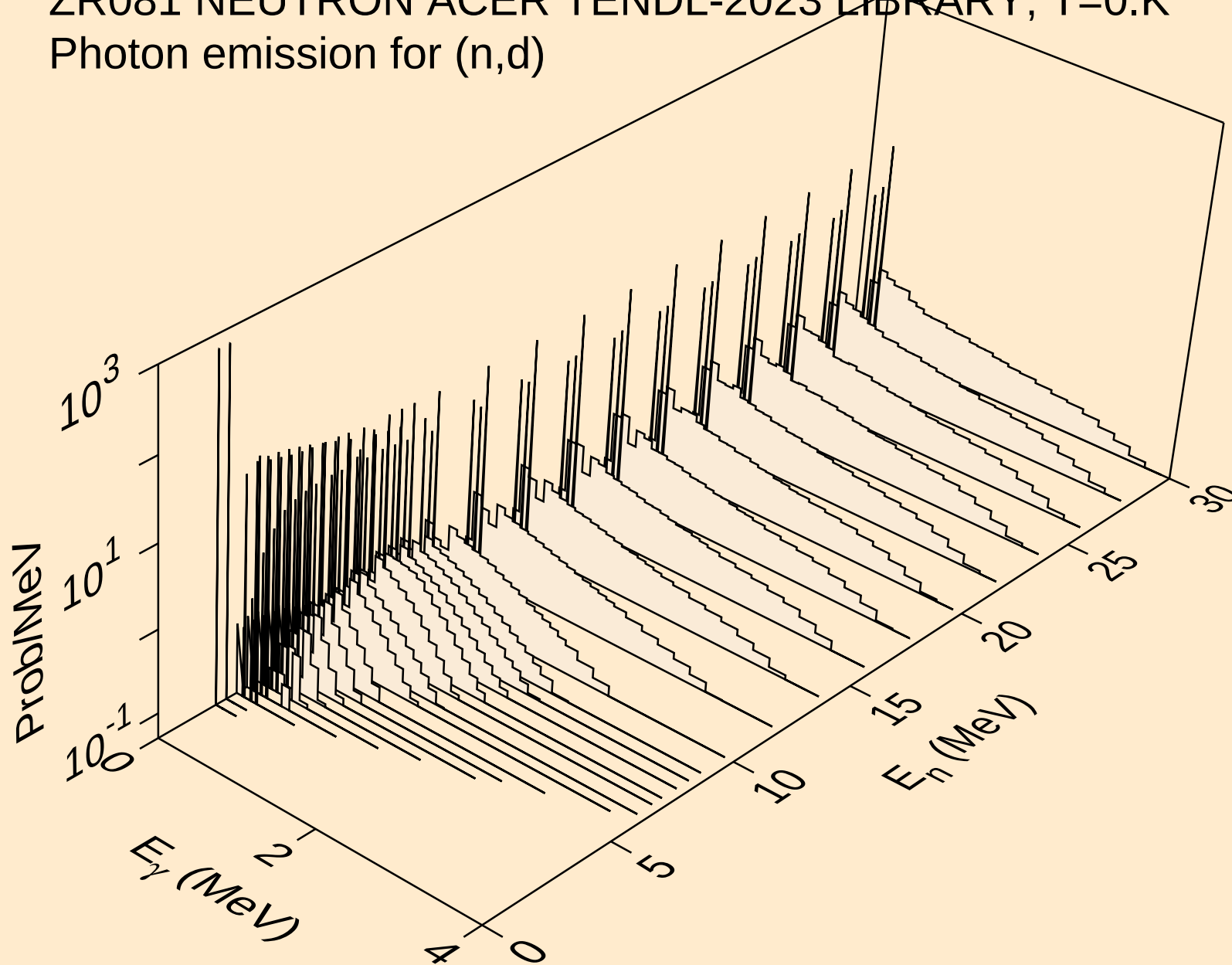


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

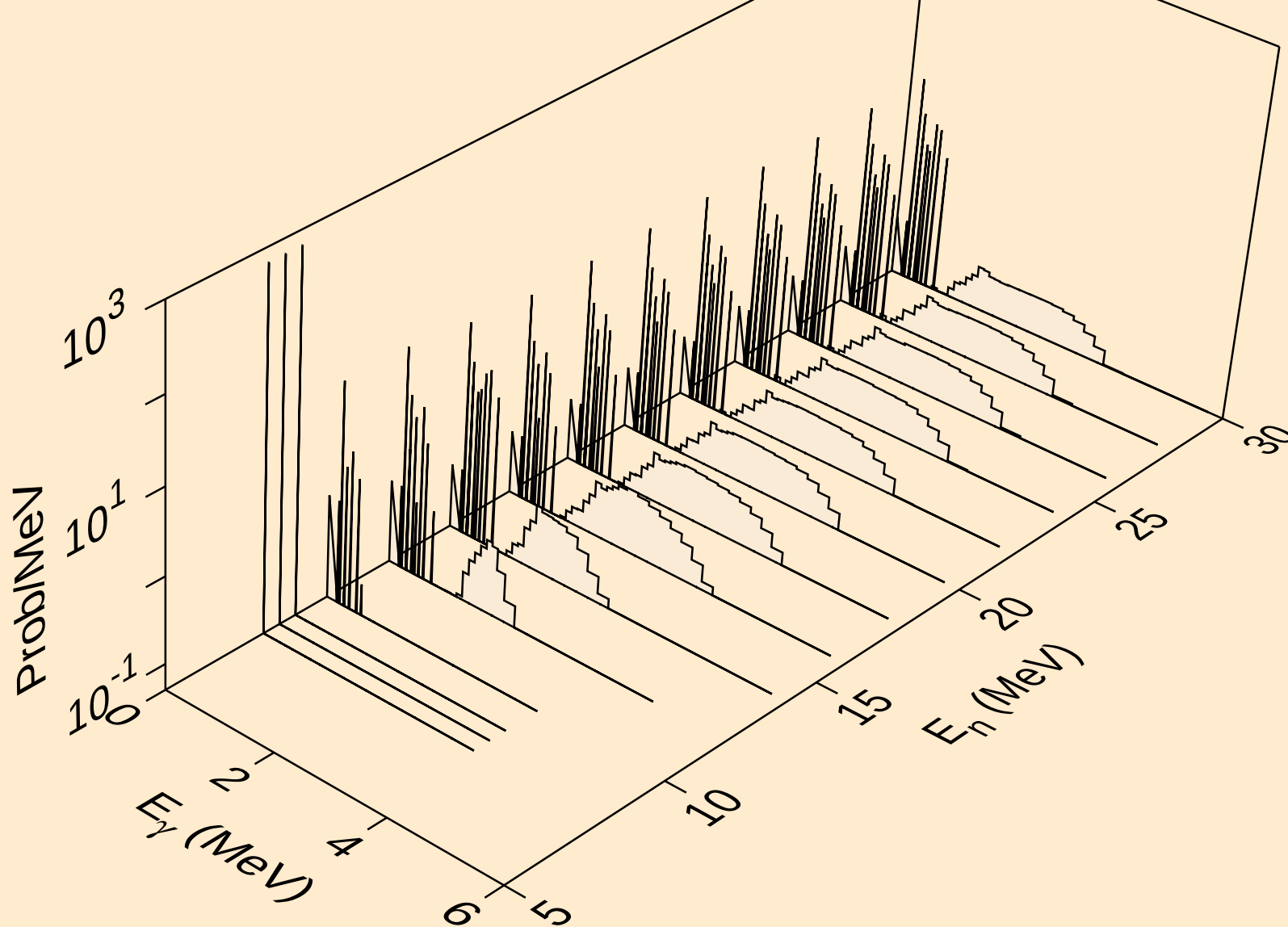
Photon emission for (n,p)



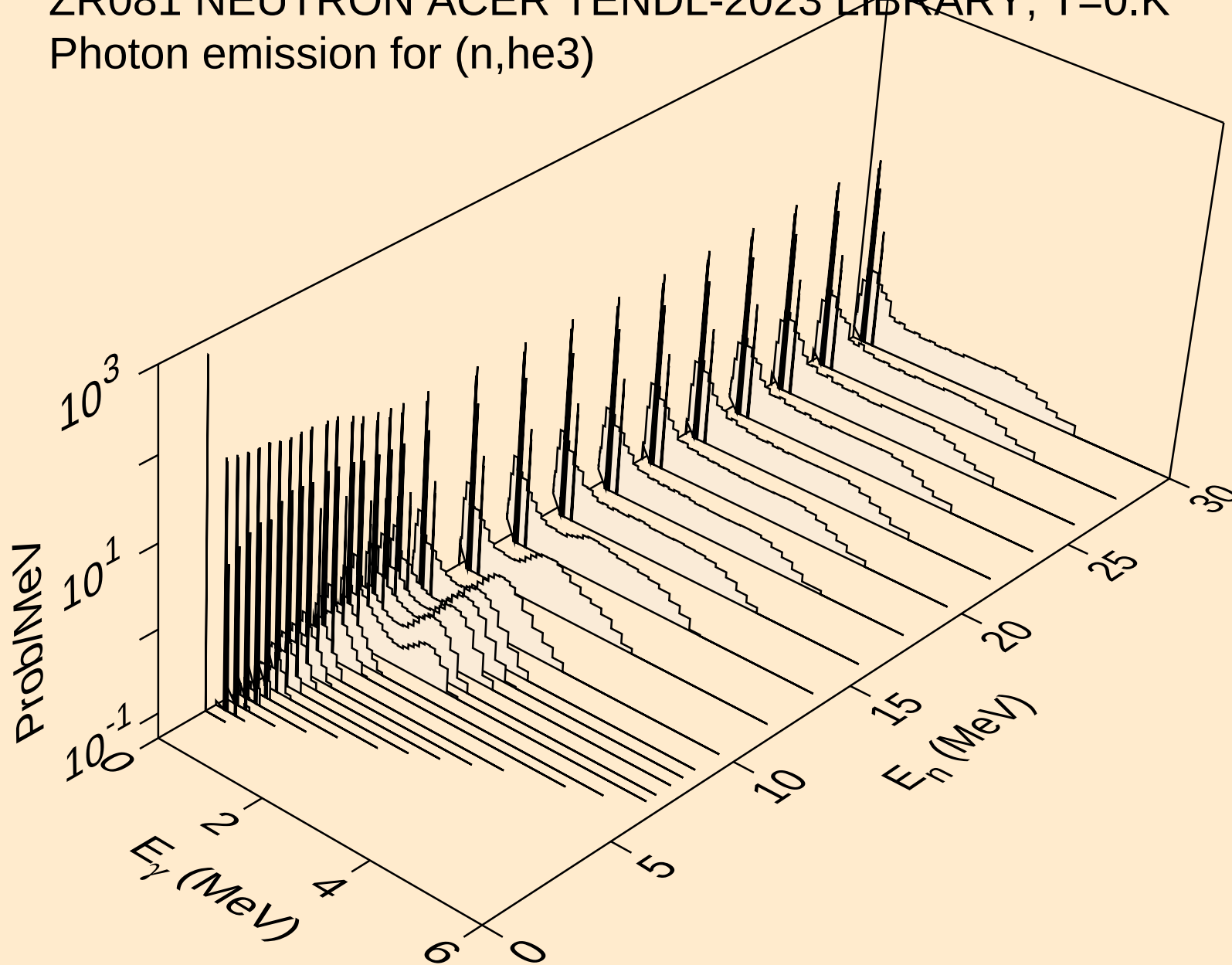
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



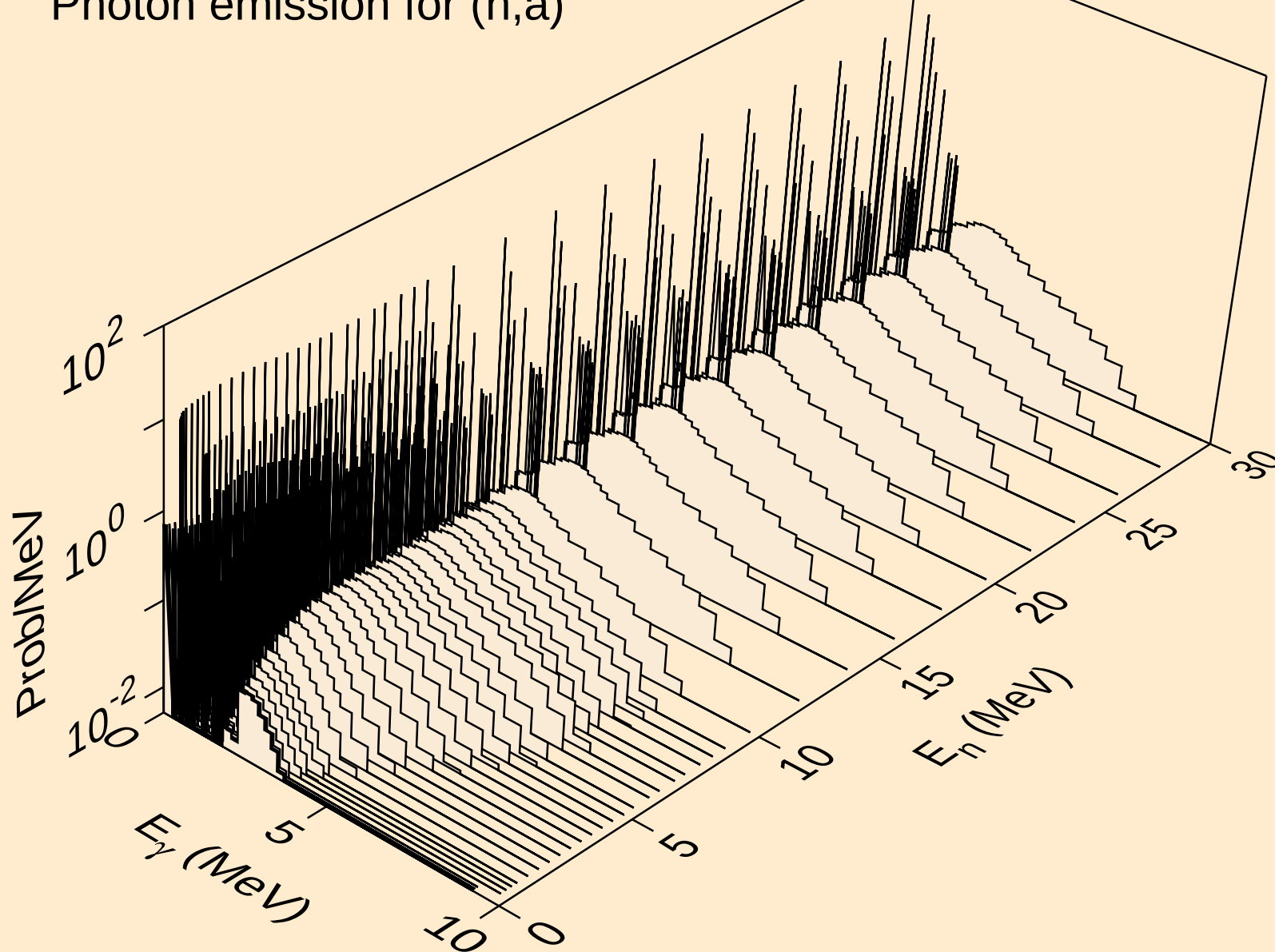
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



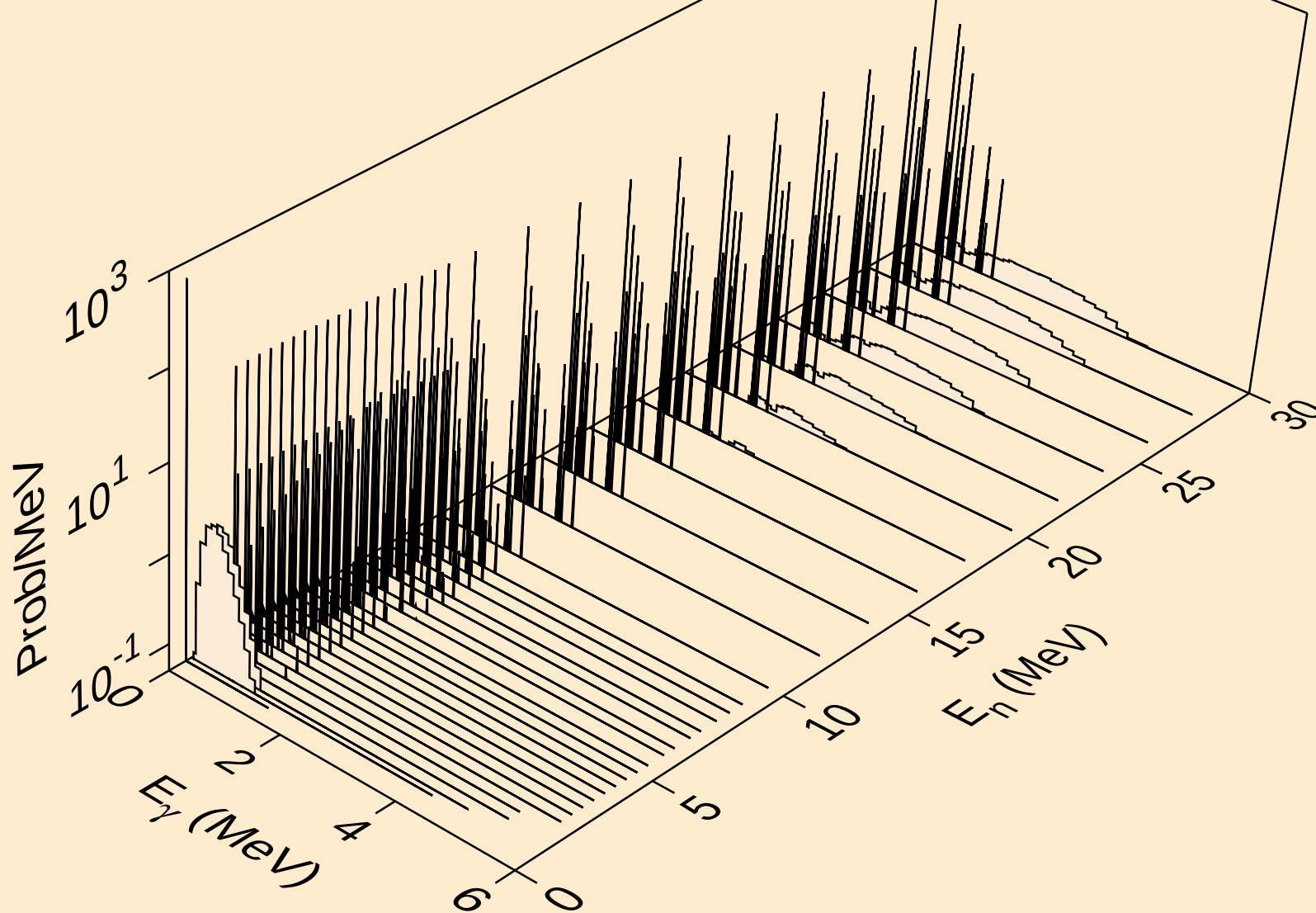
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



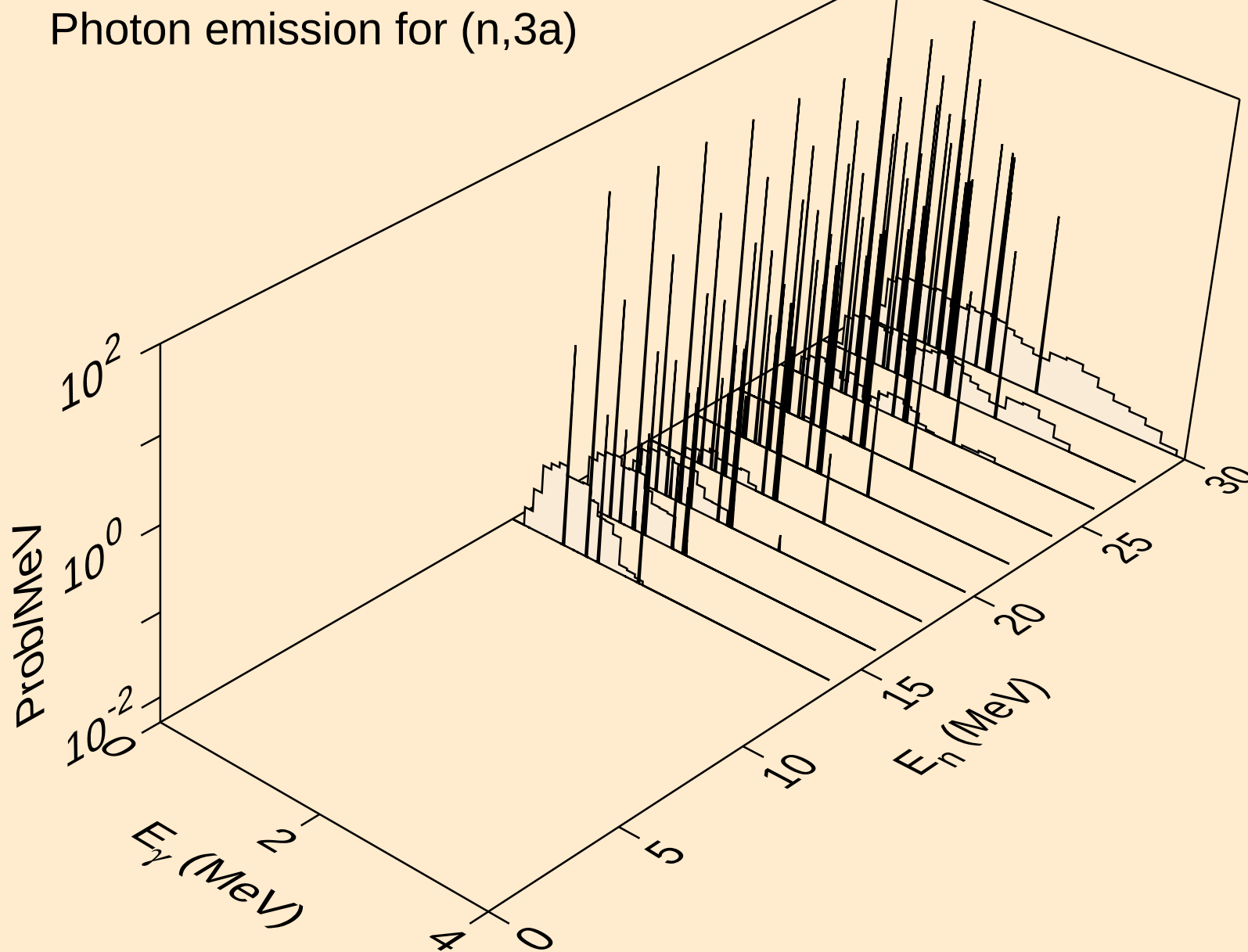
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



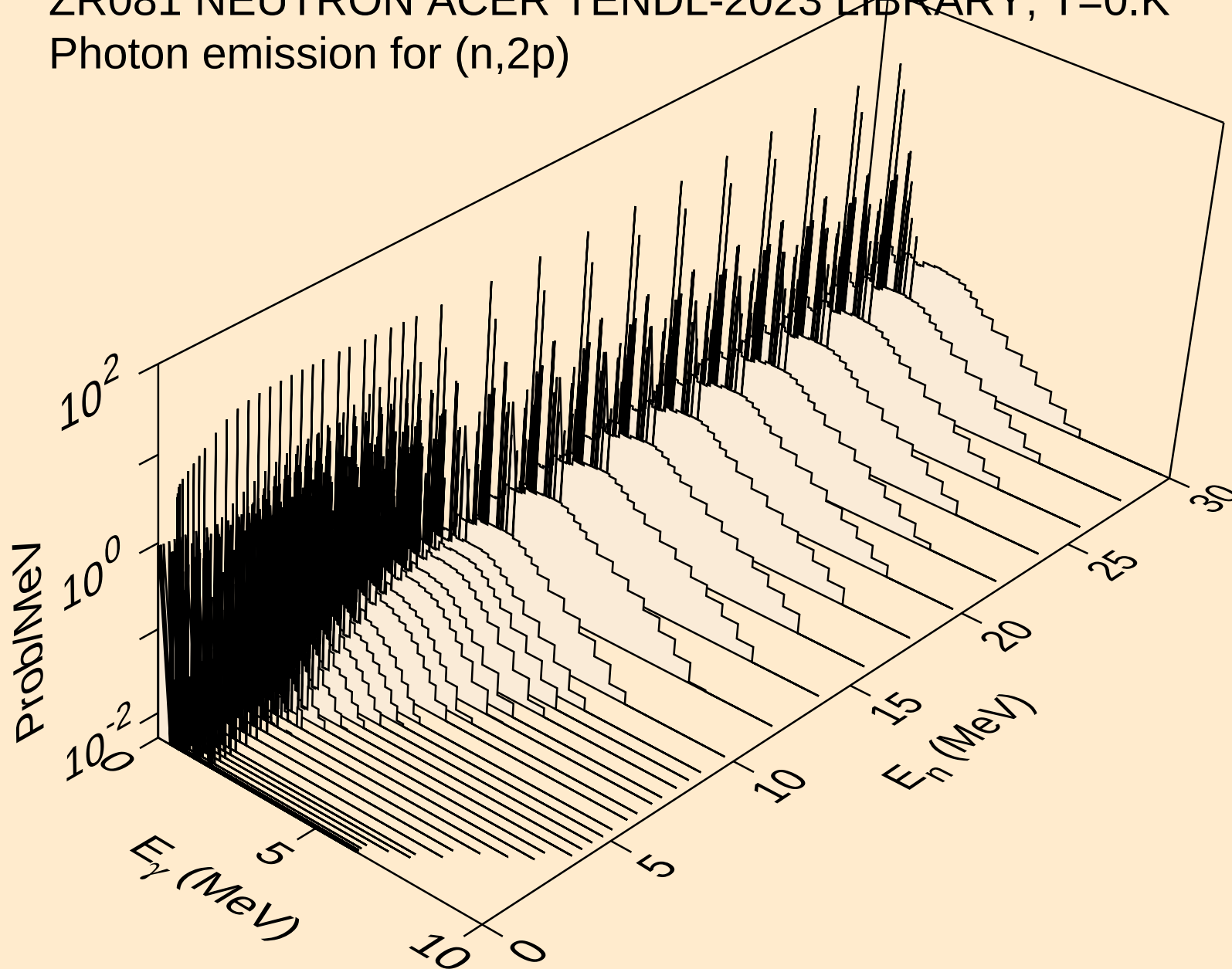
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



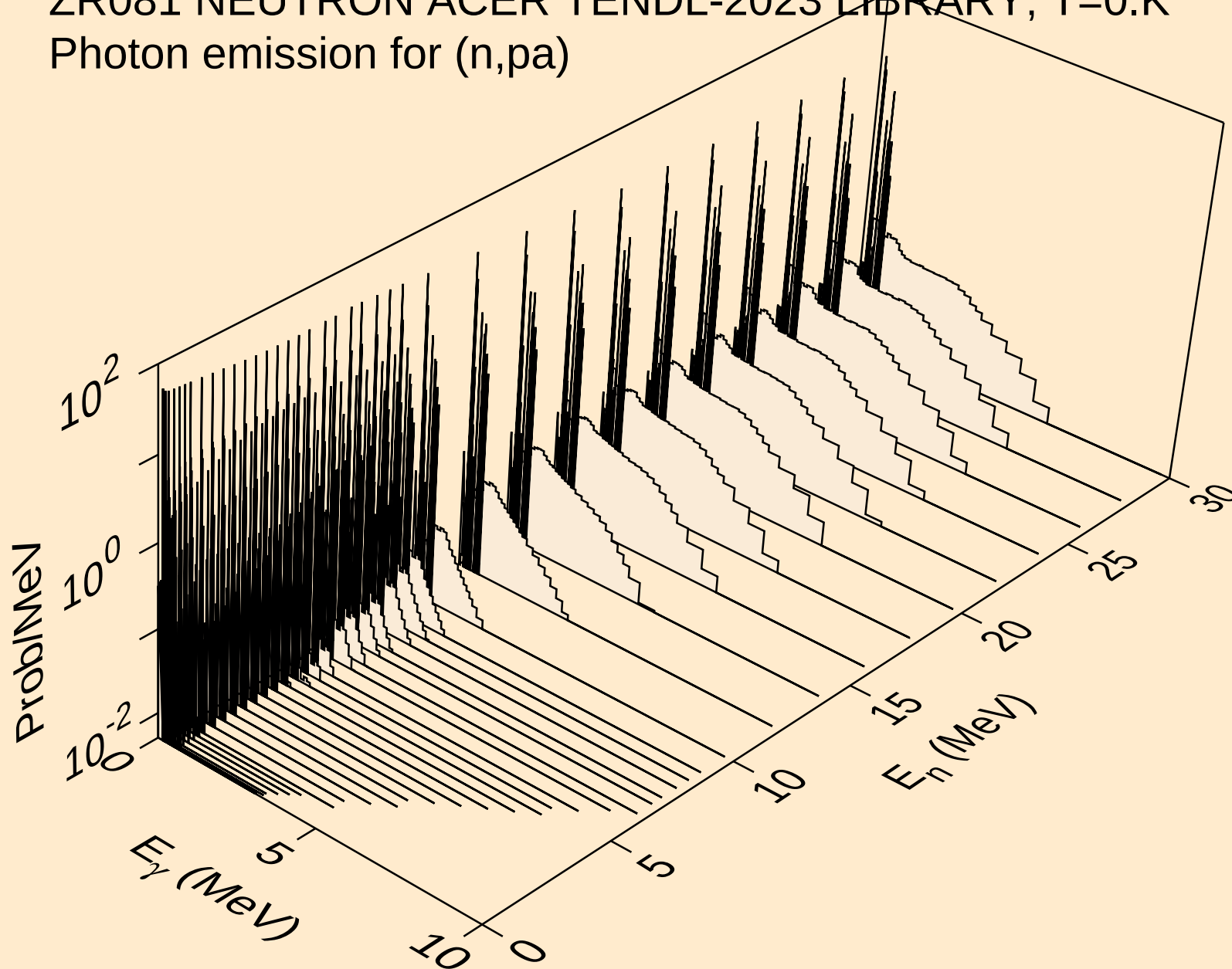
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



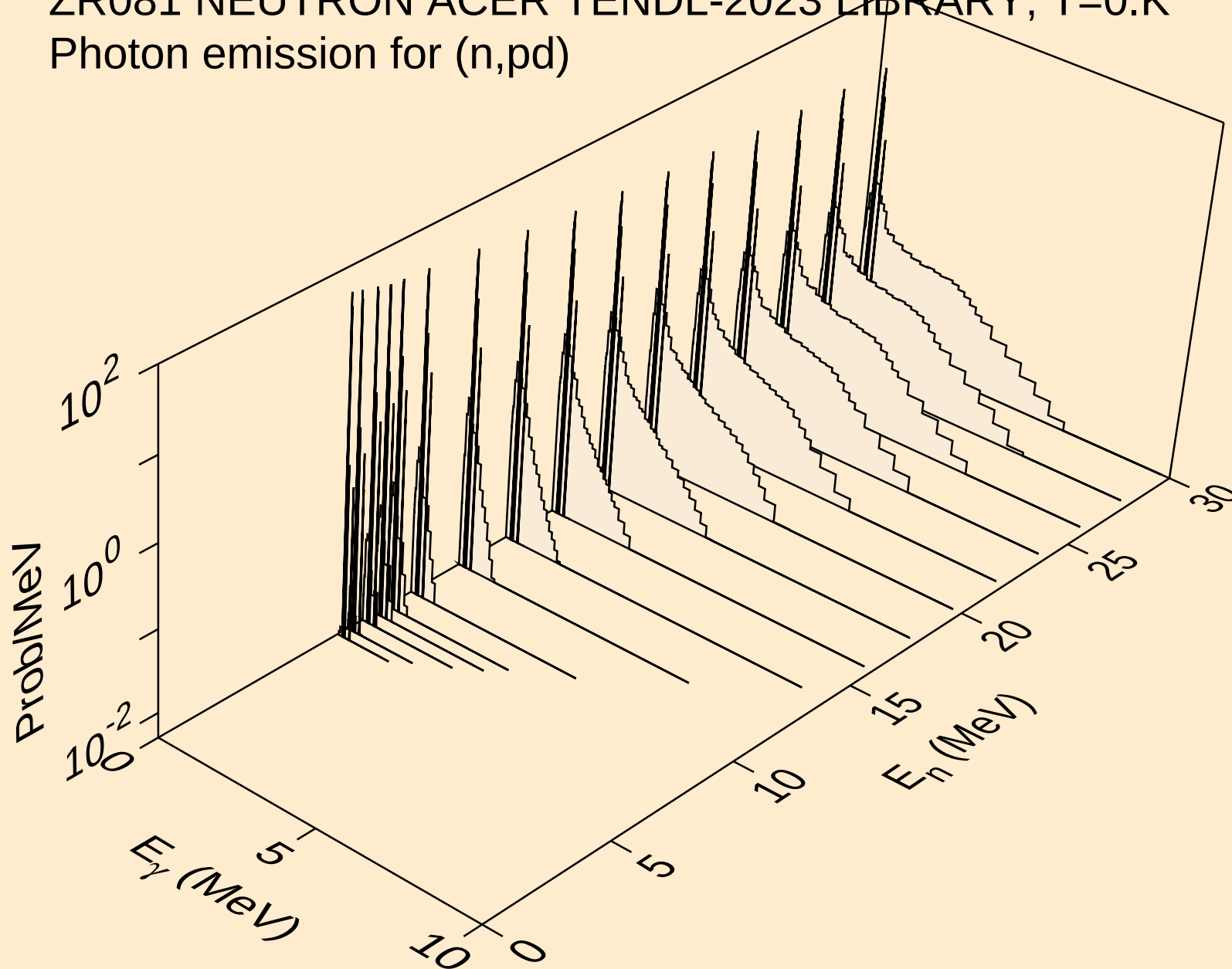
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)

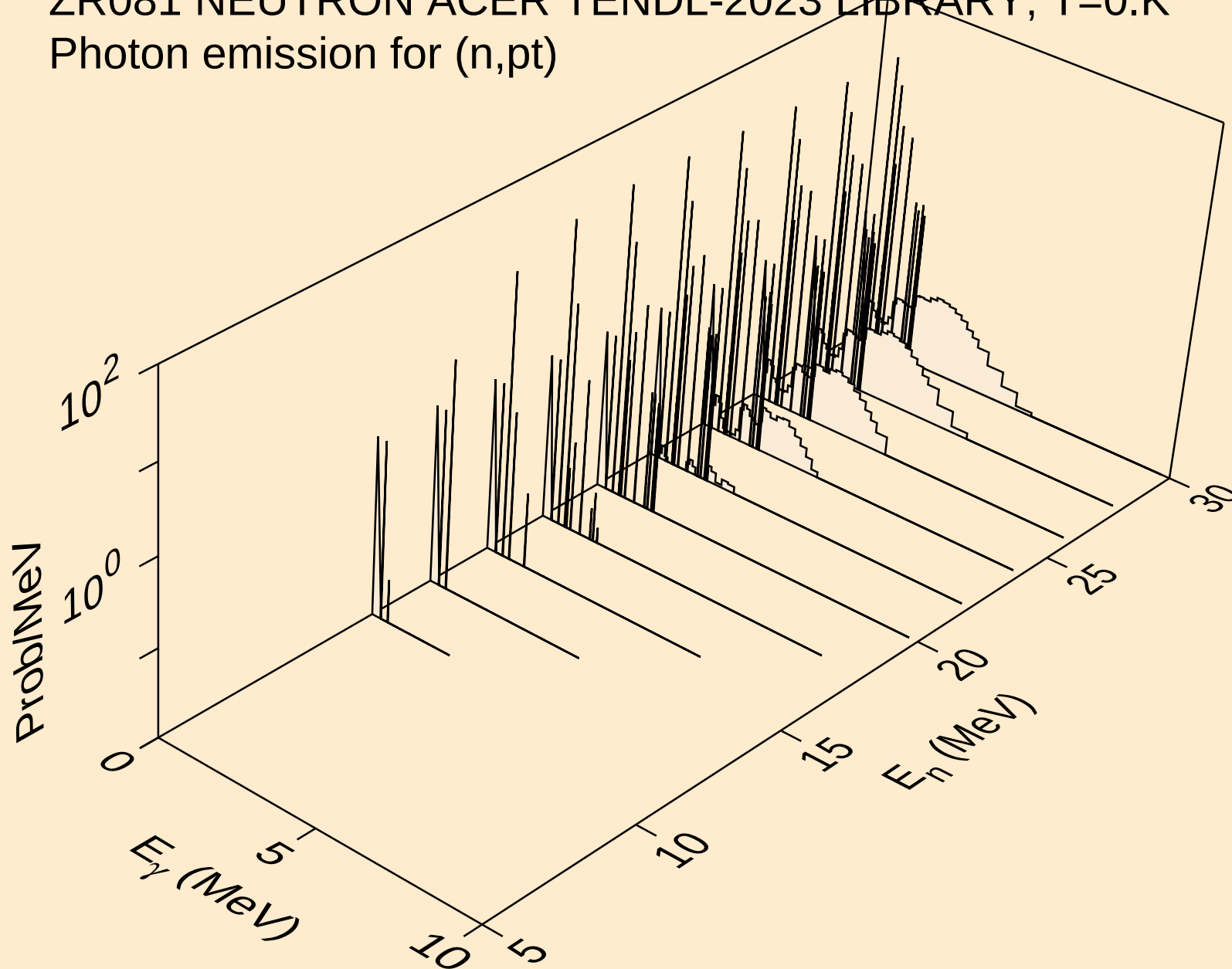


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

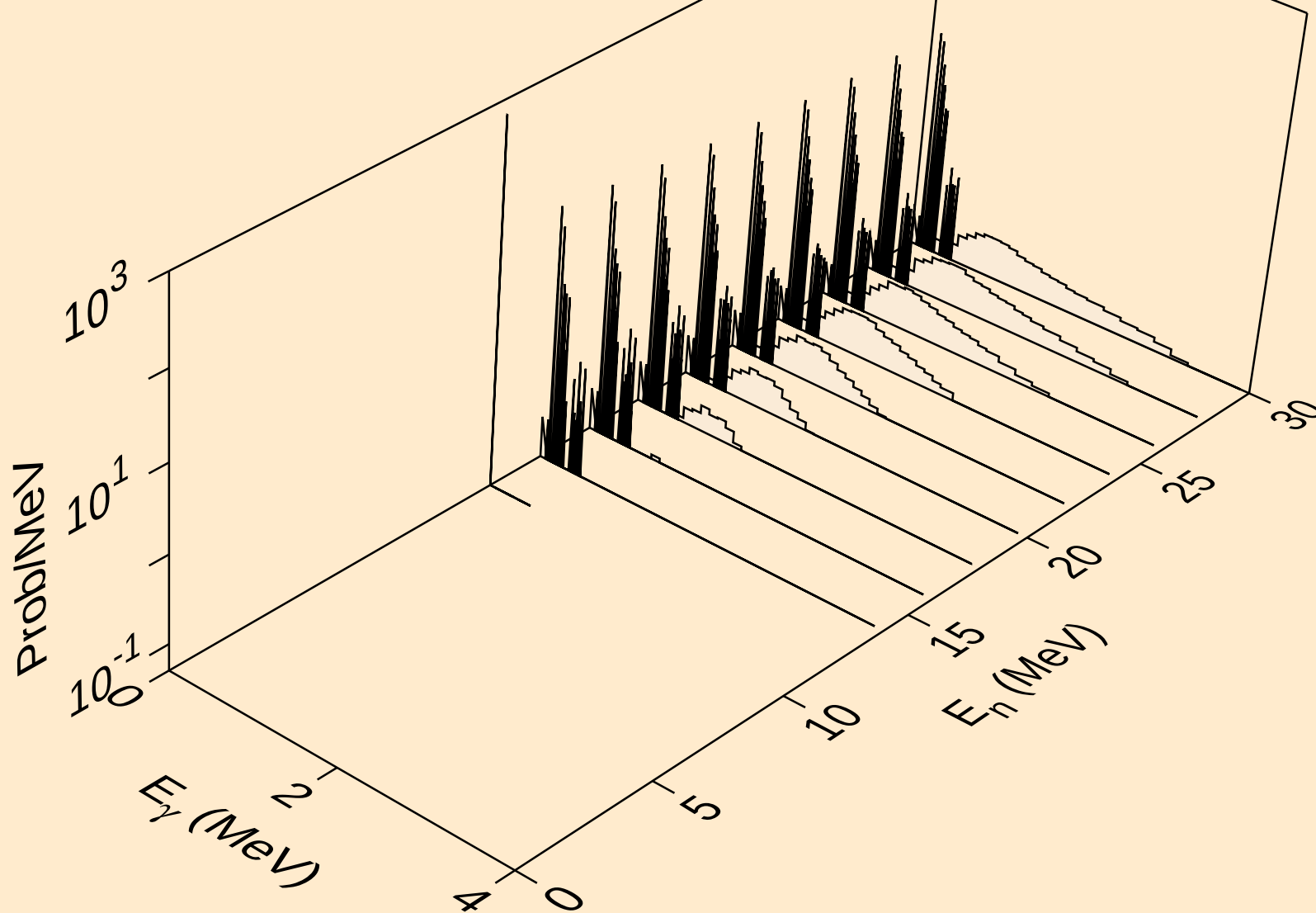


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

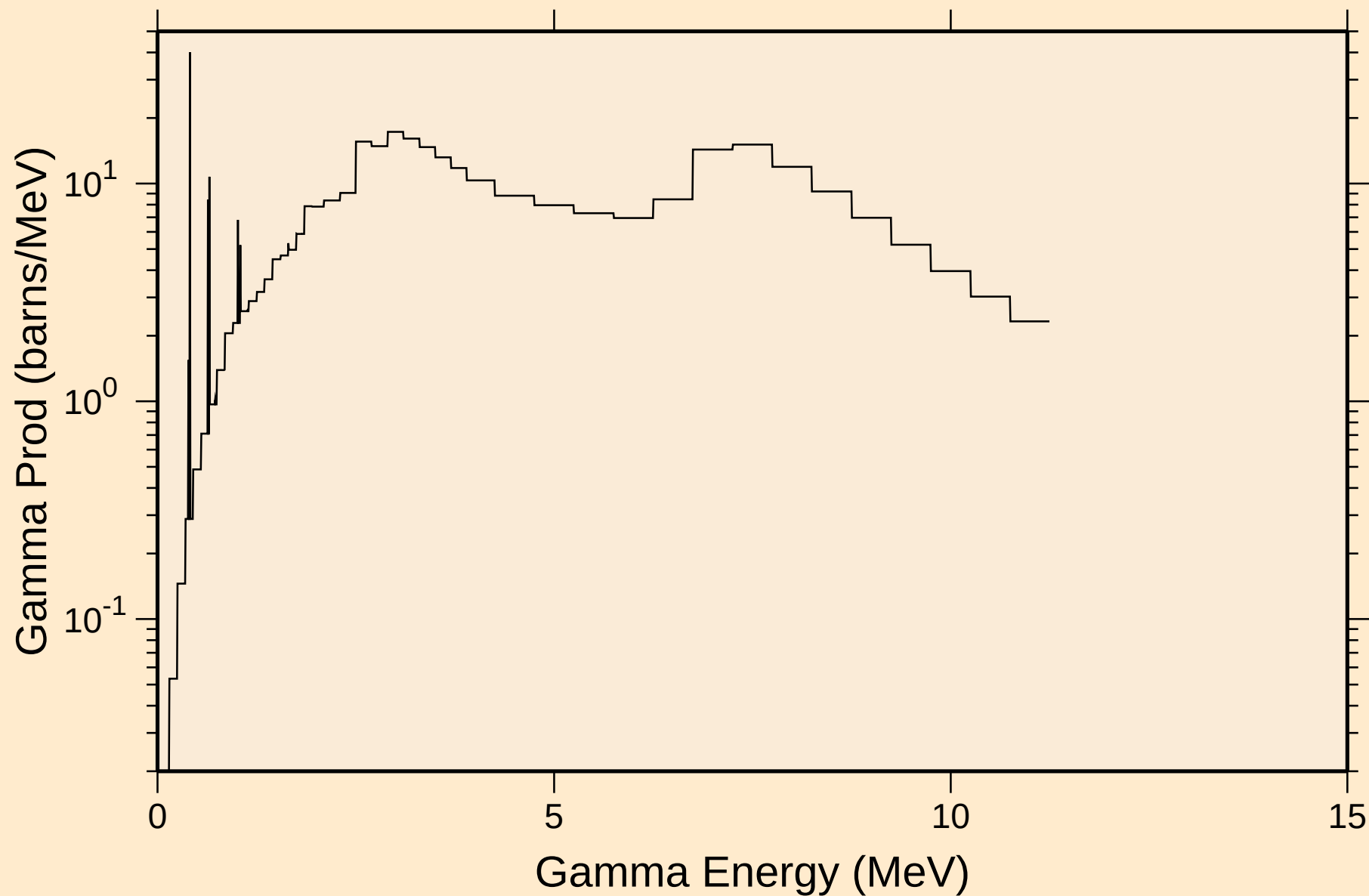
Photon emission for (n,pt)



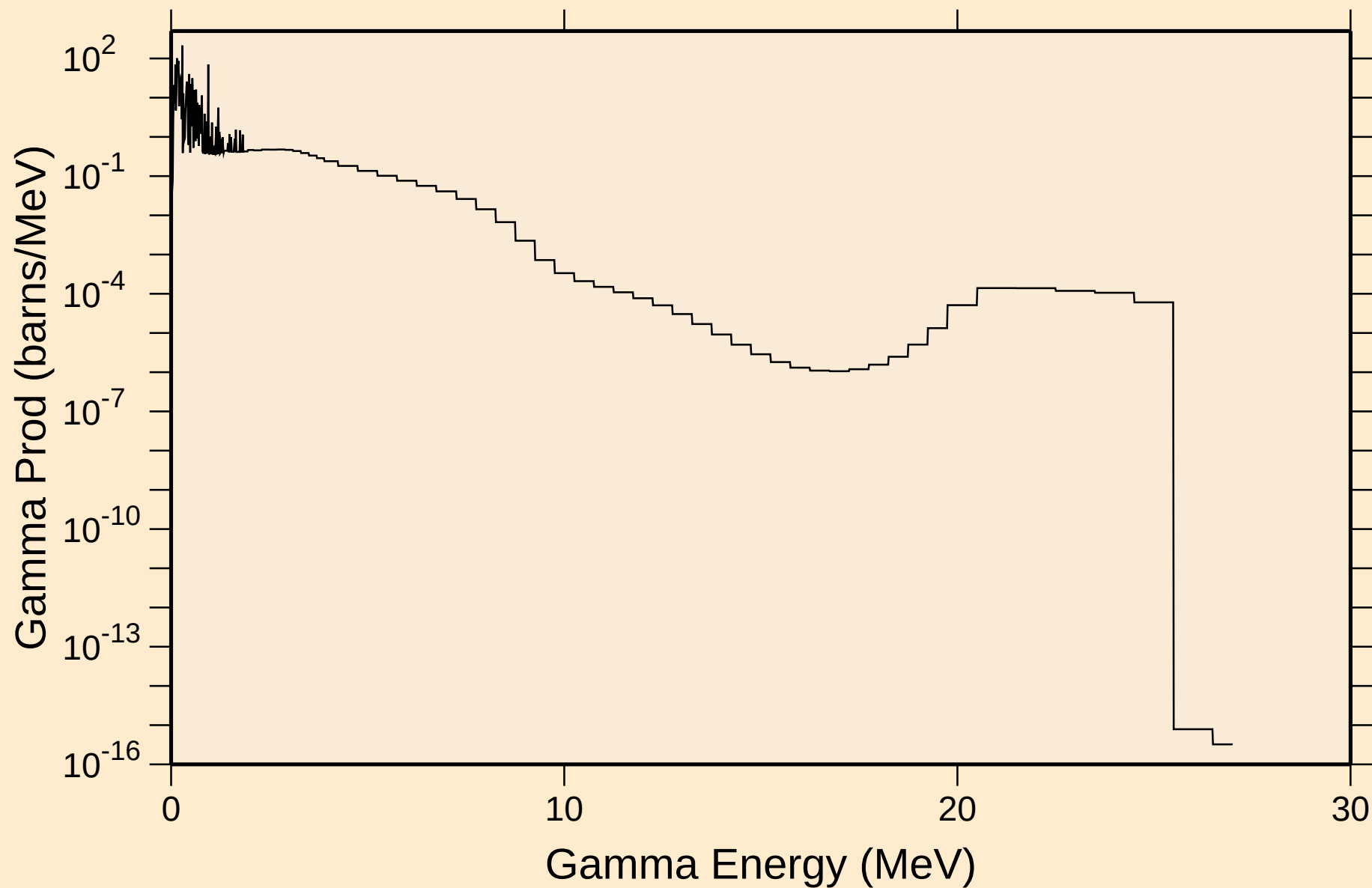
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

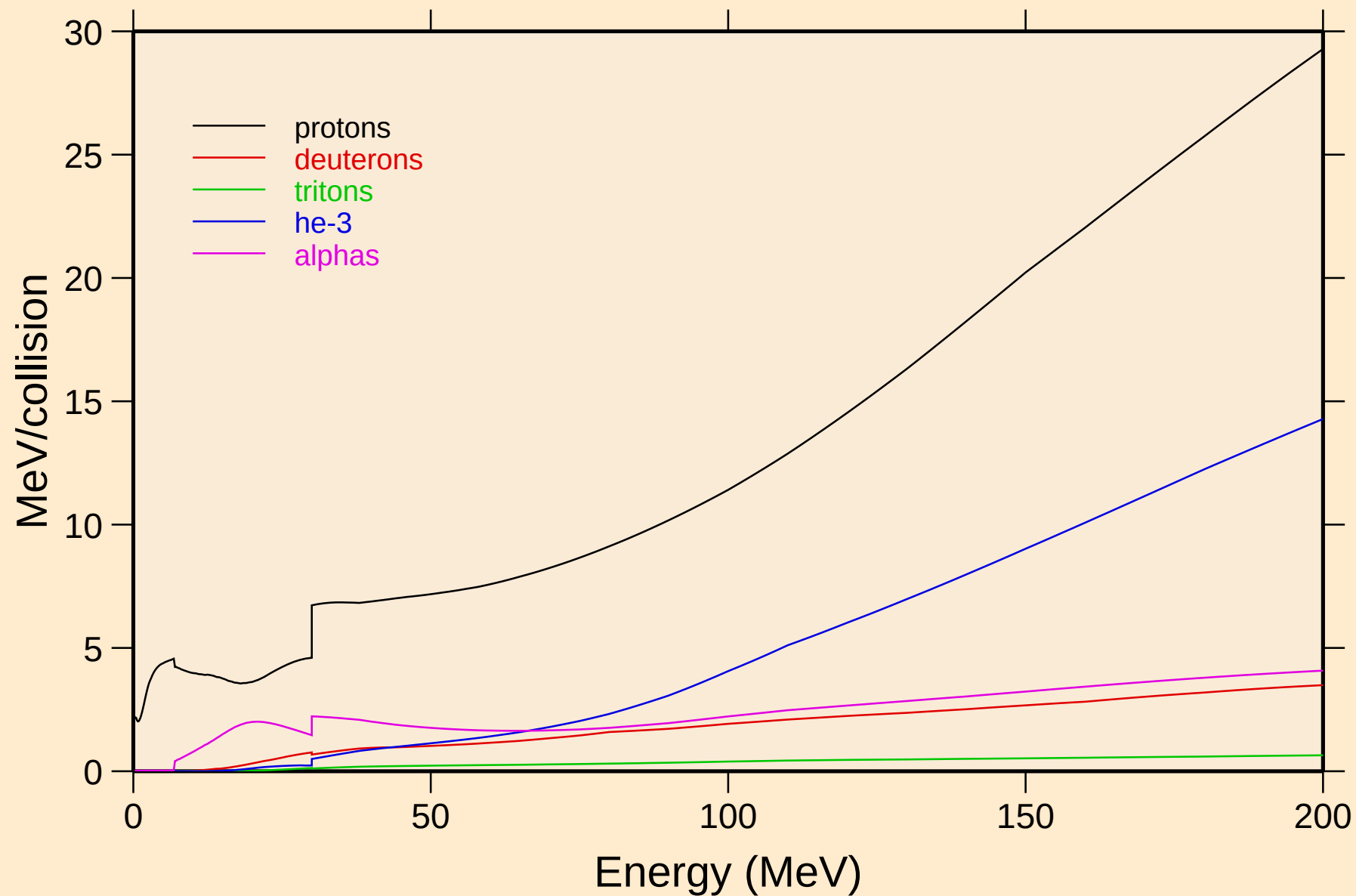


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



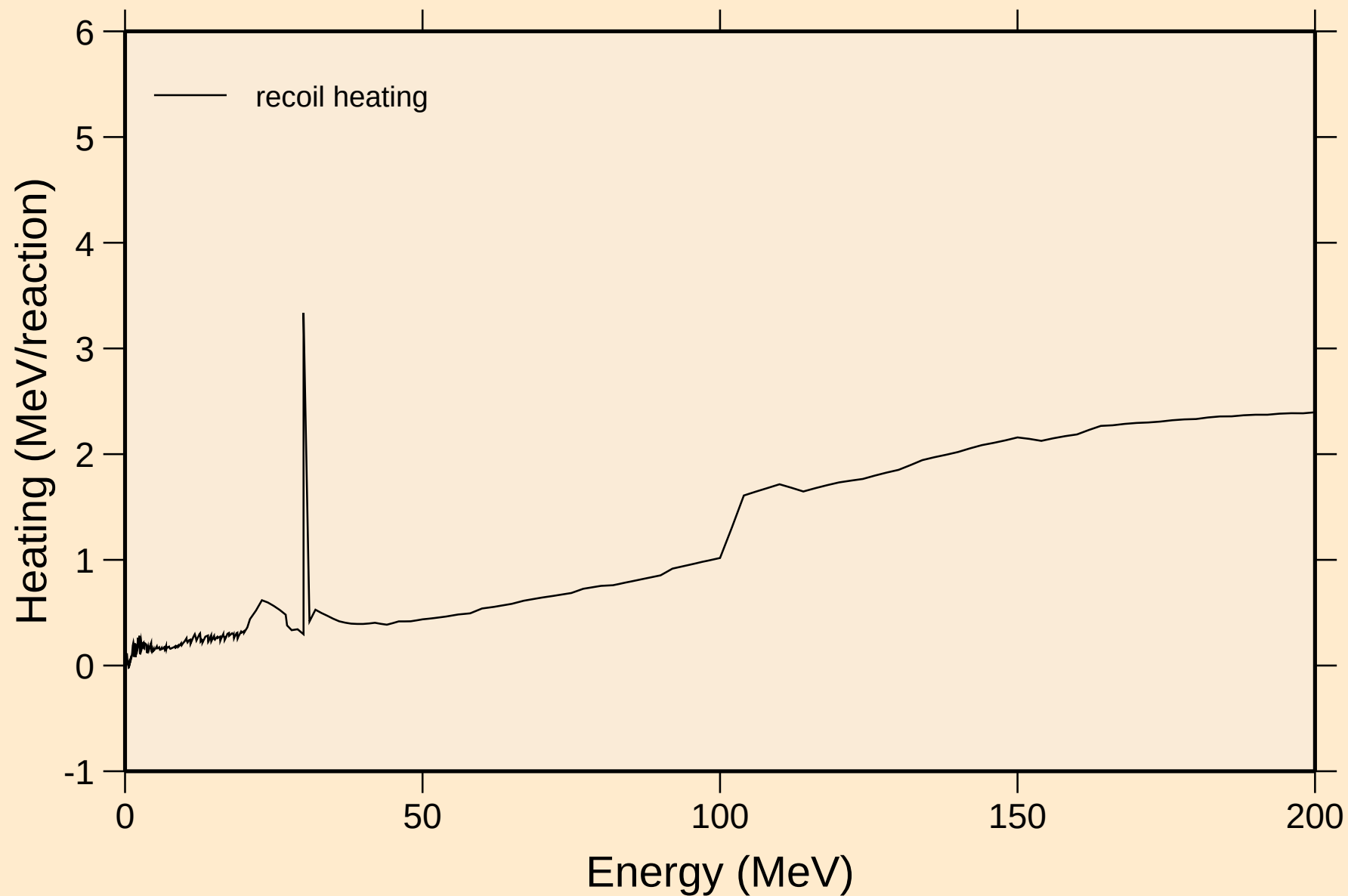
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



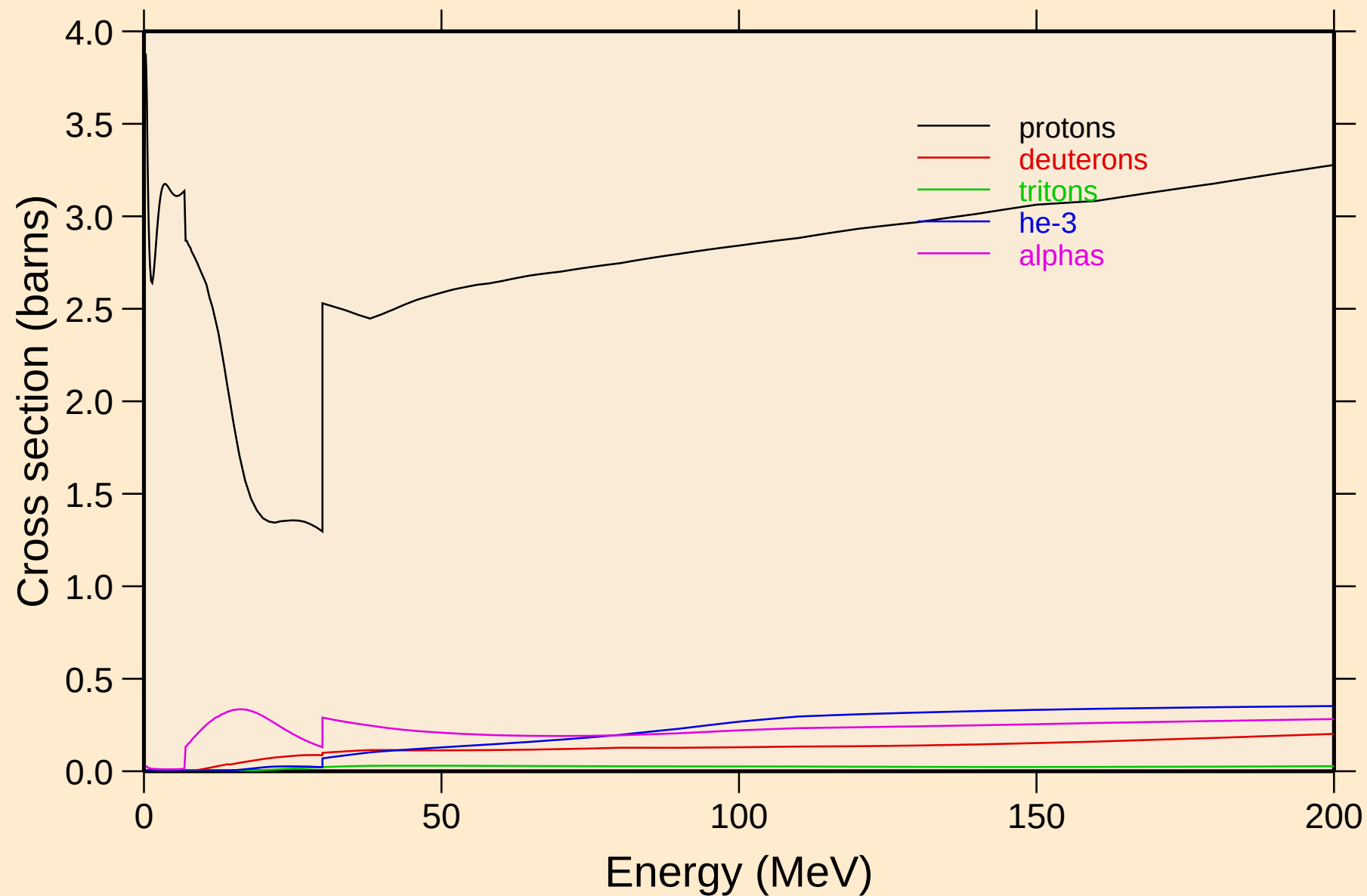
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

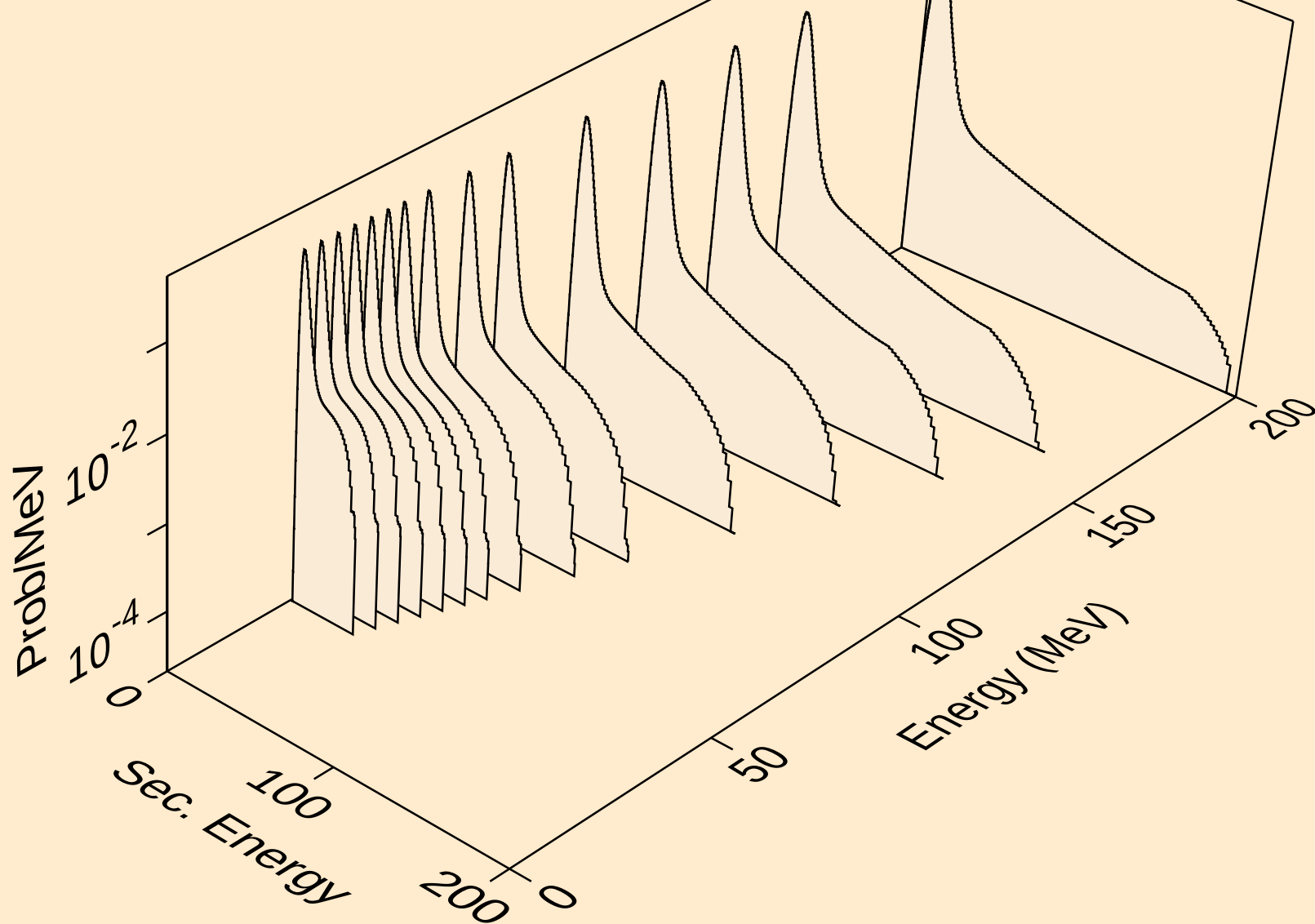


ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

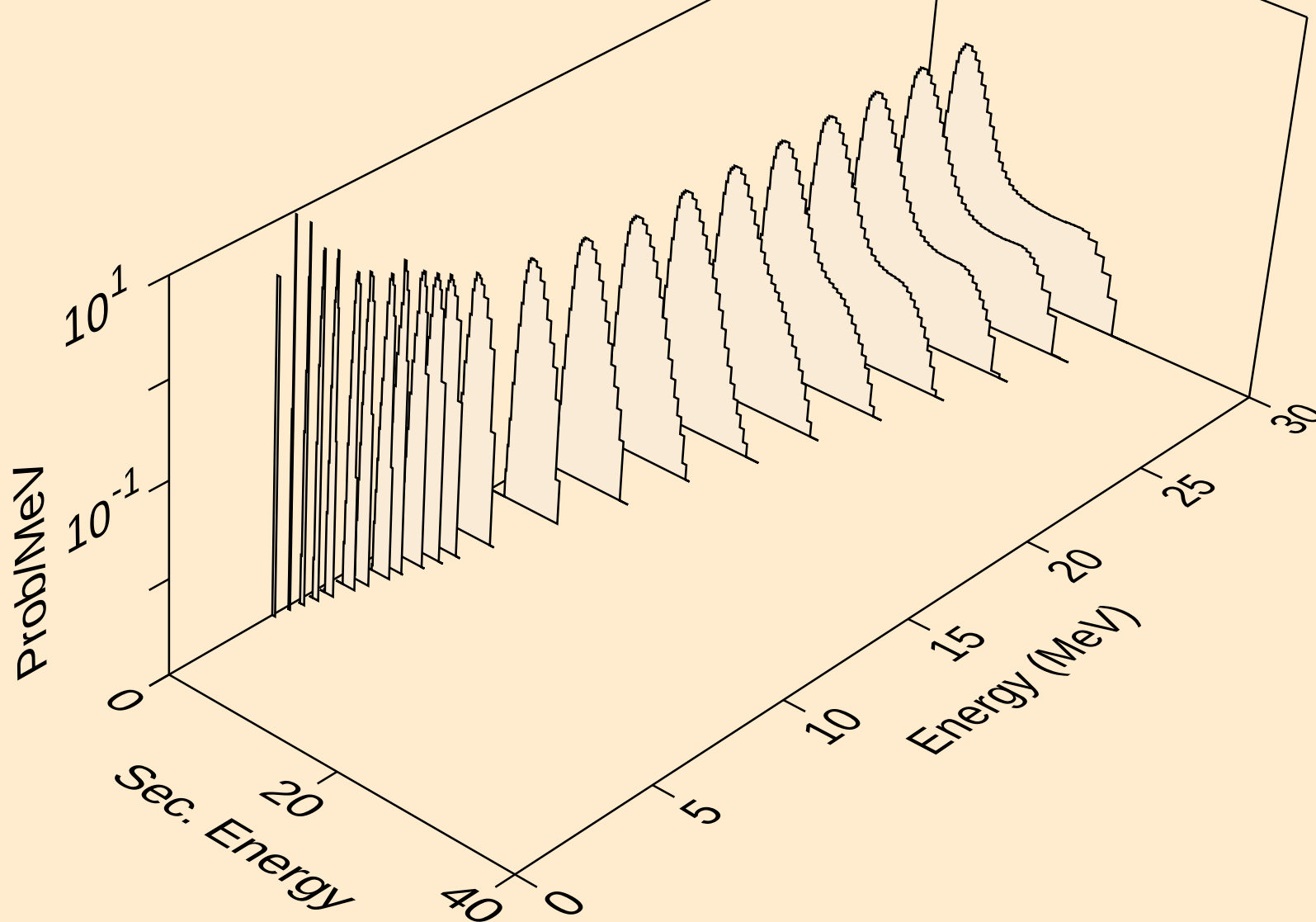
Particle production cross sections



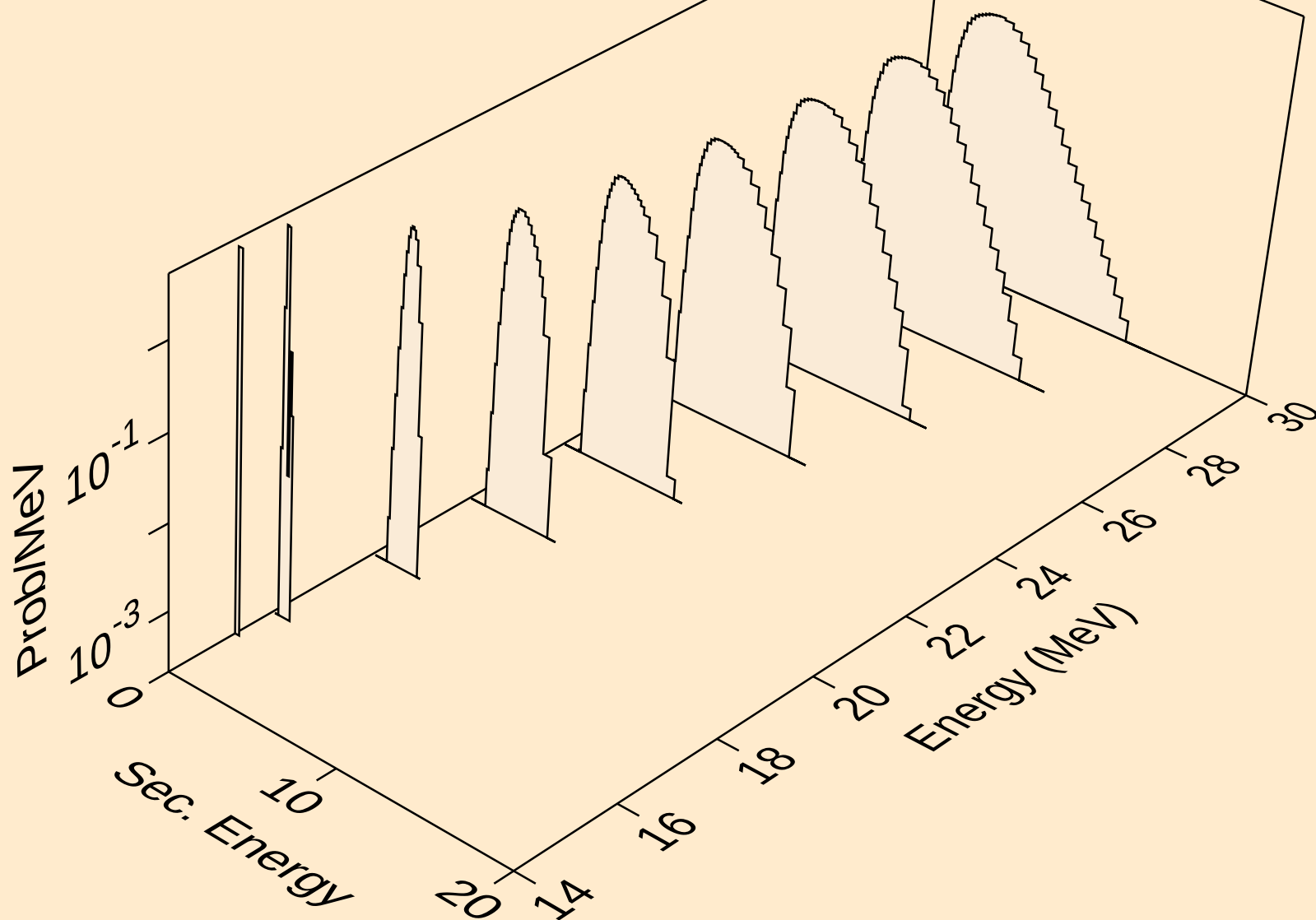
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



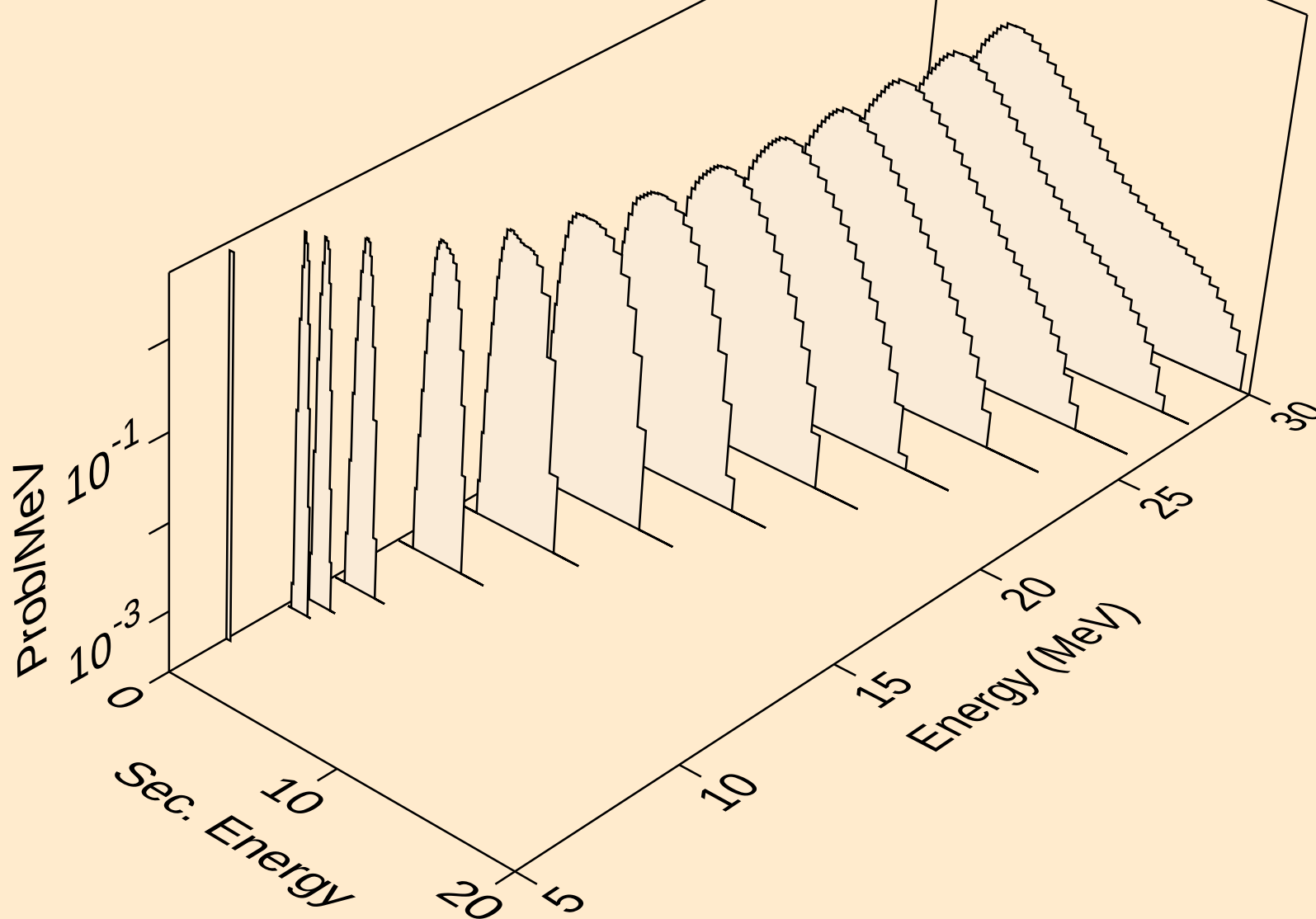
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



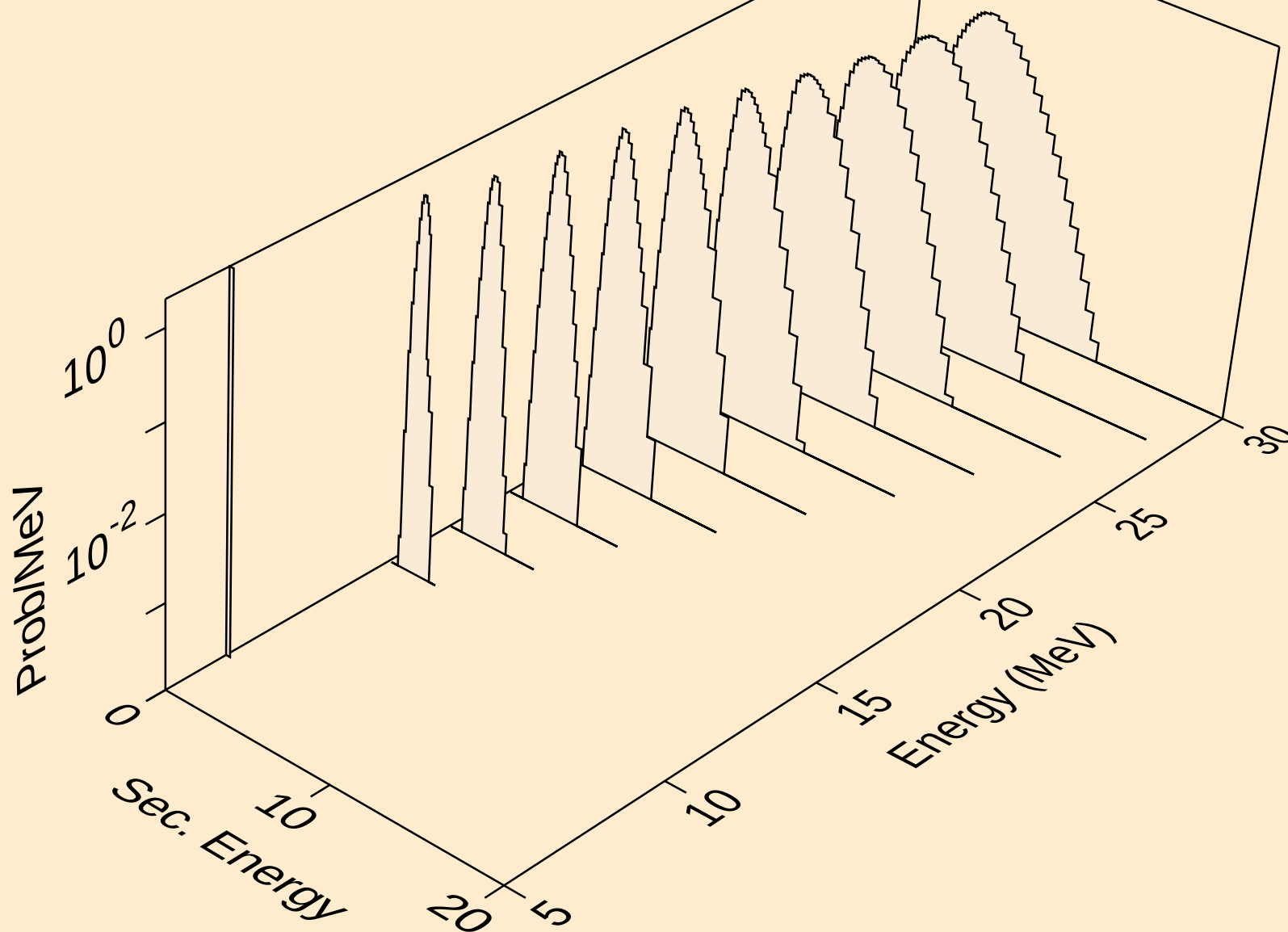
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



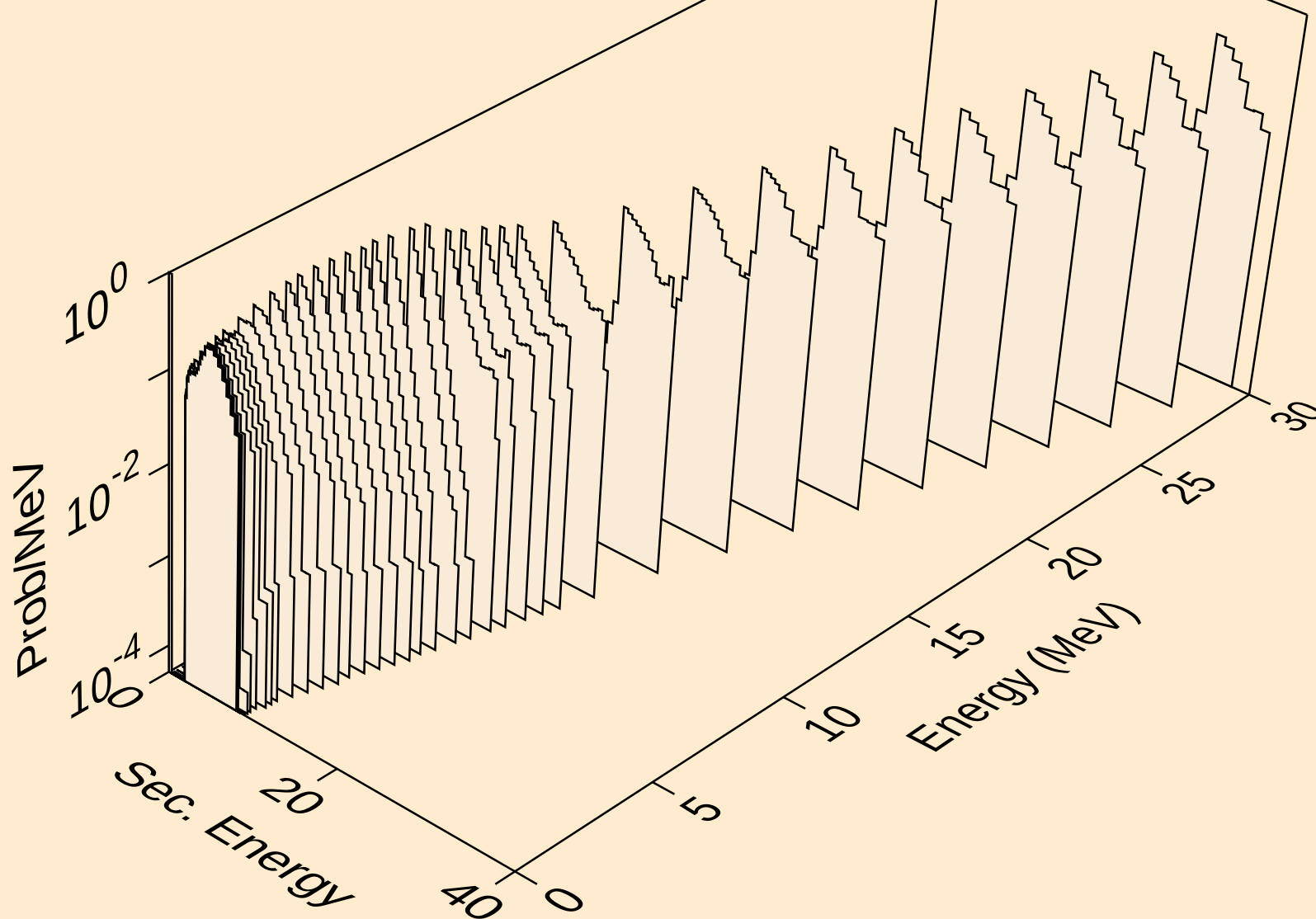
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n2p)



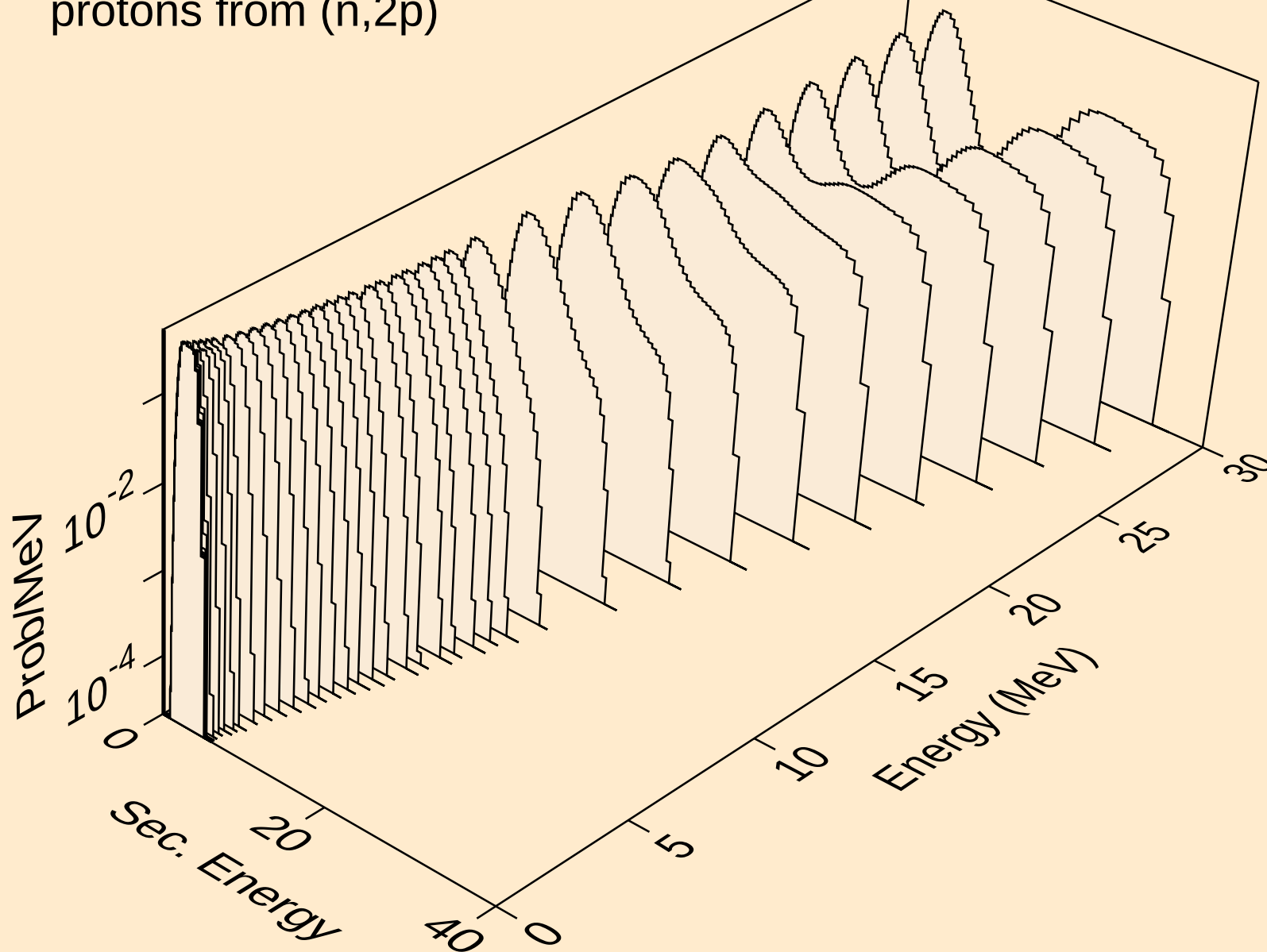
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



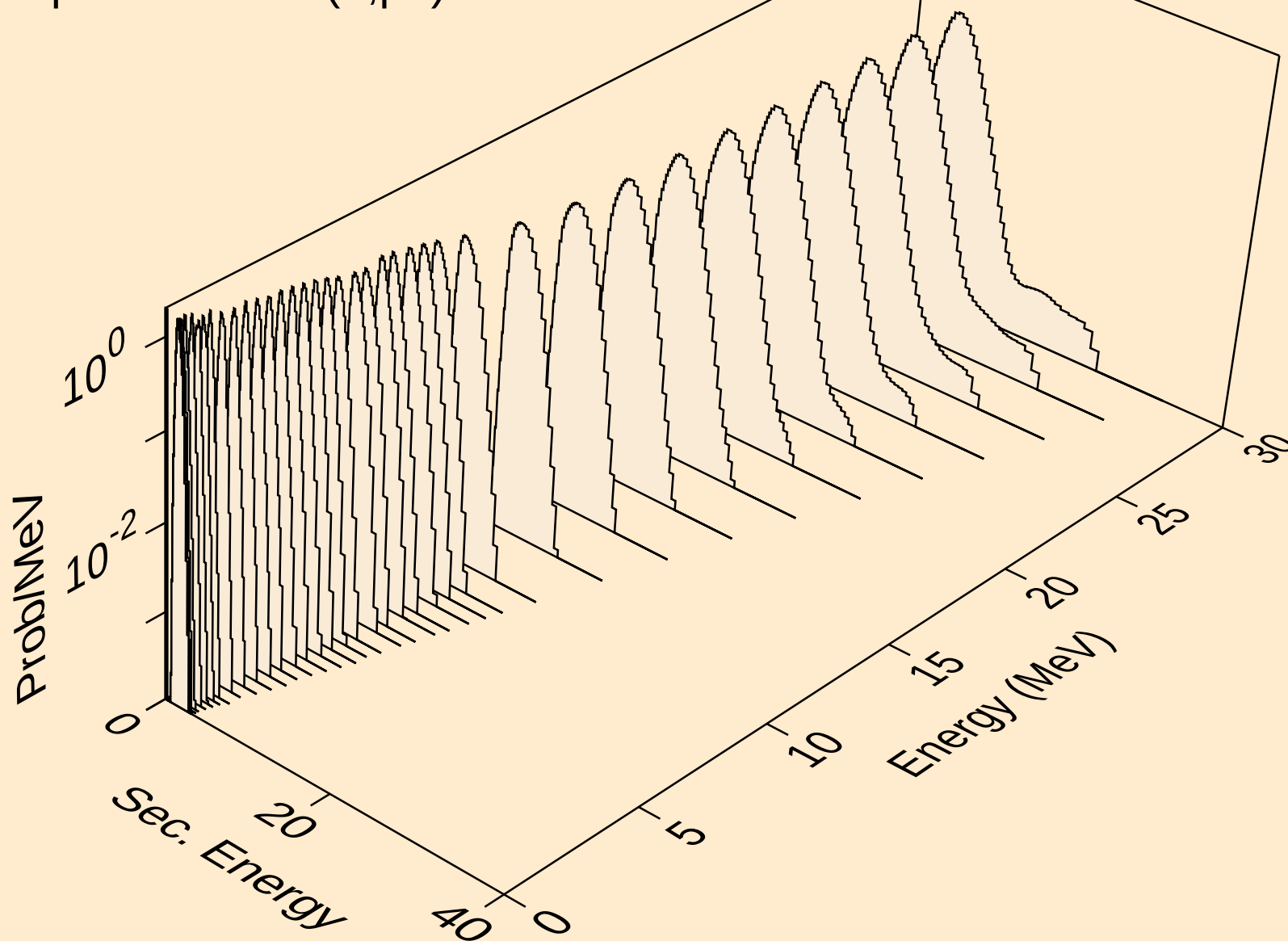
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



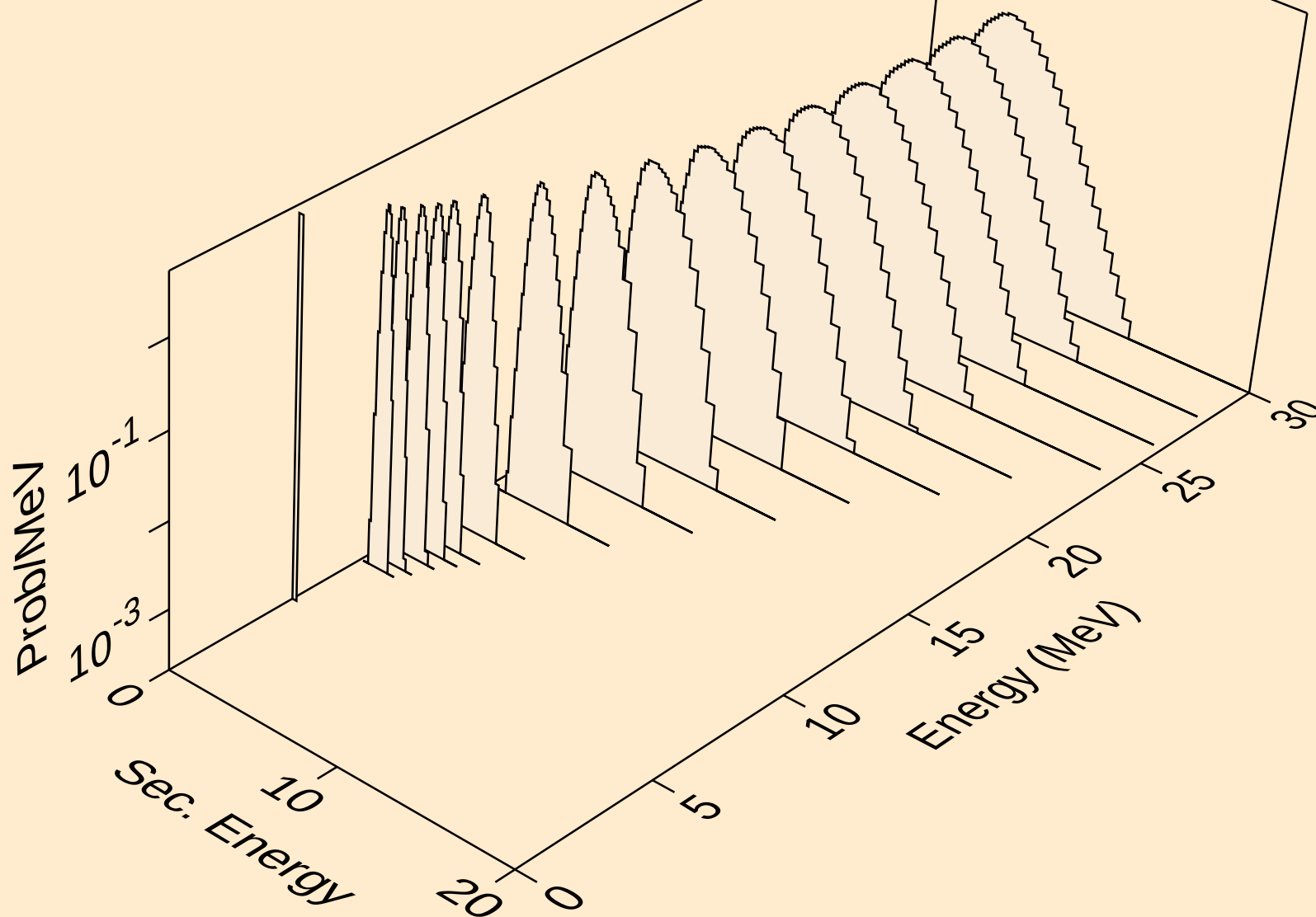
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2p)



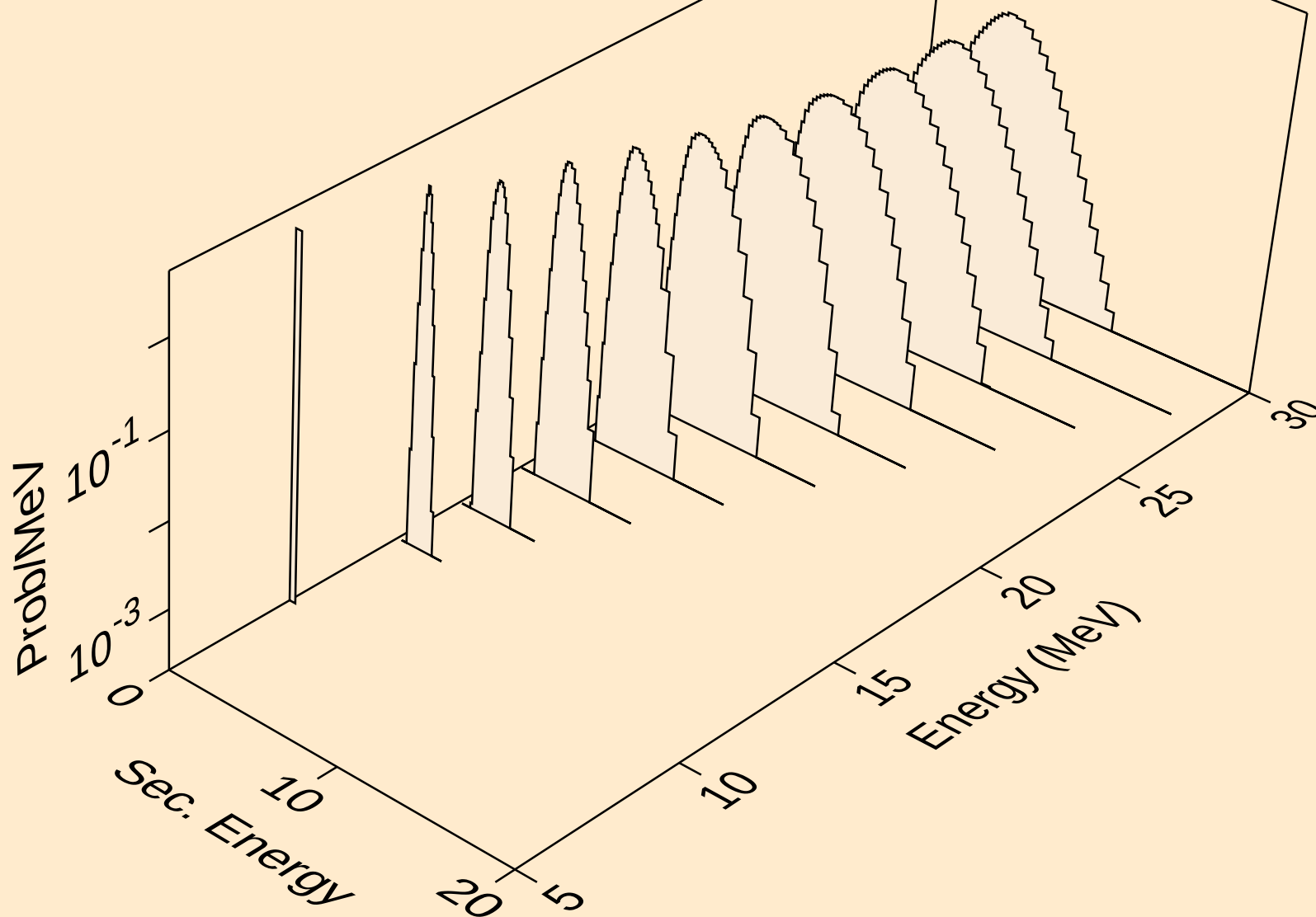
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



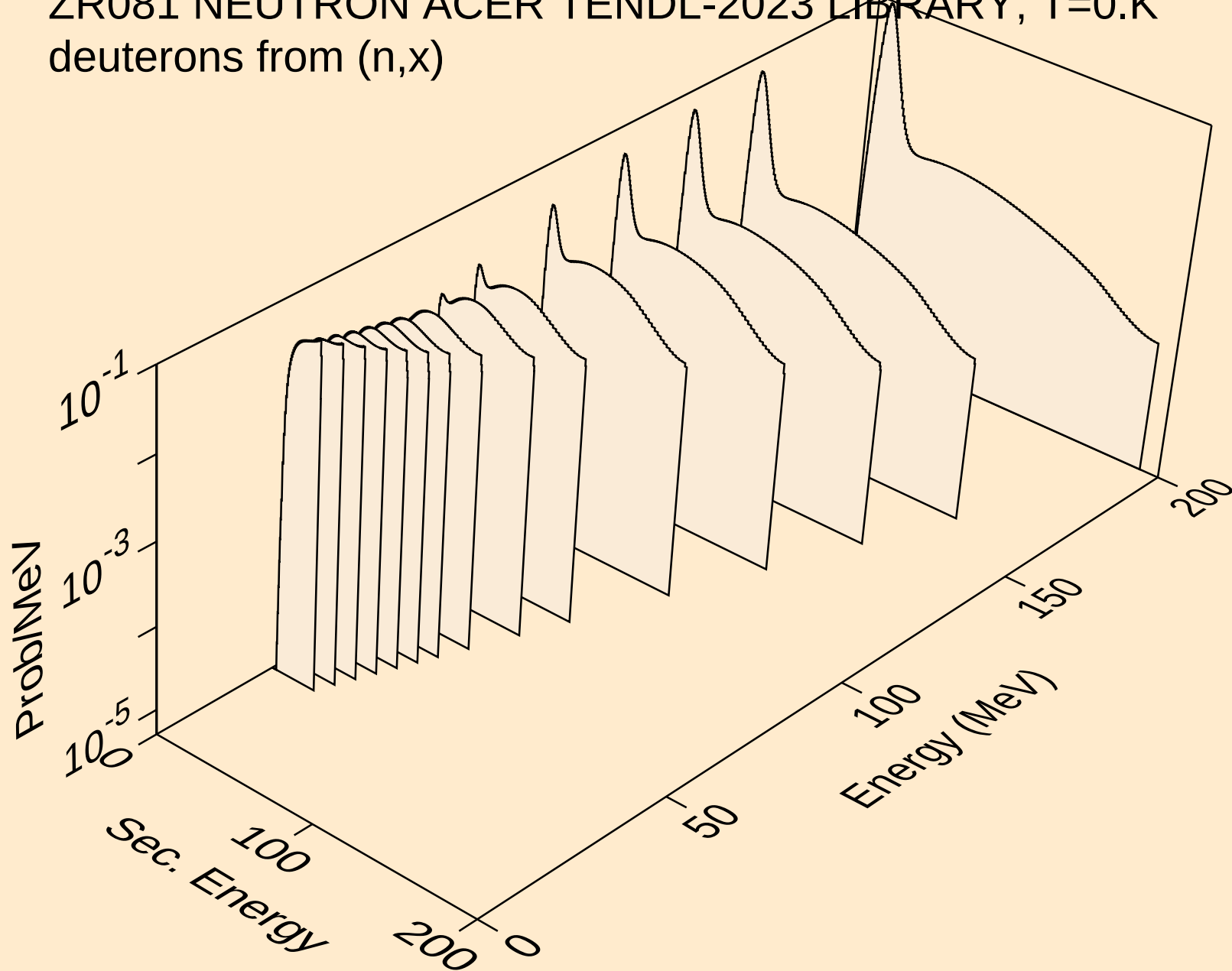
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



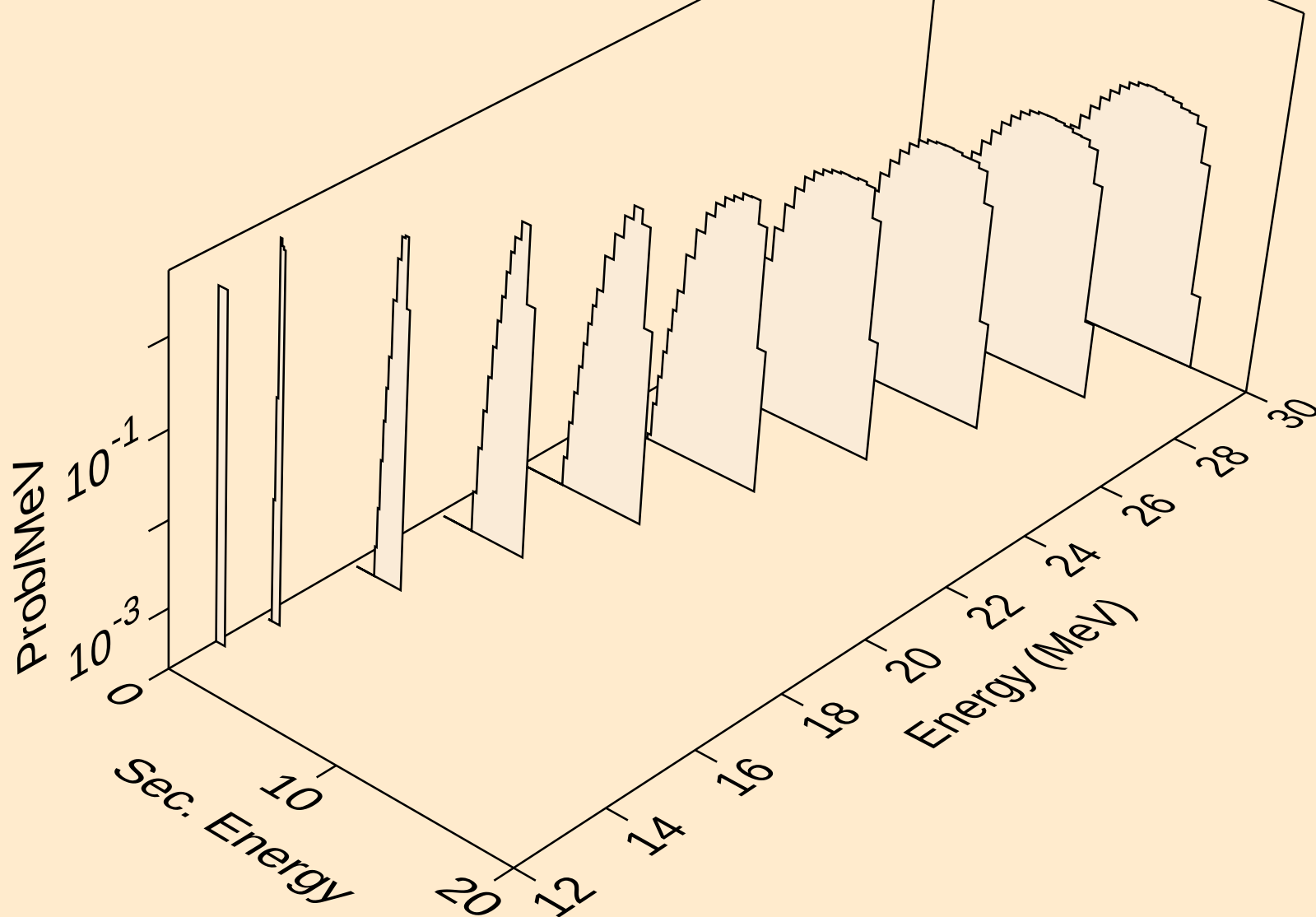
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



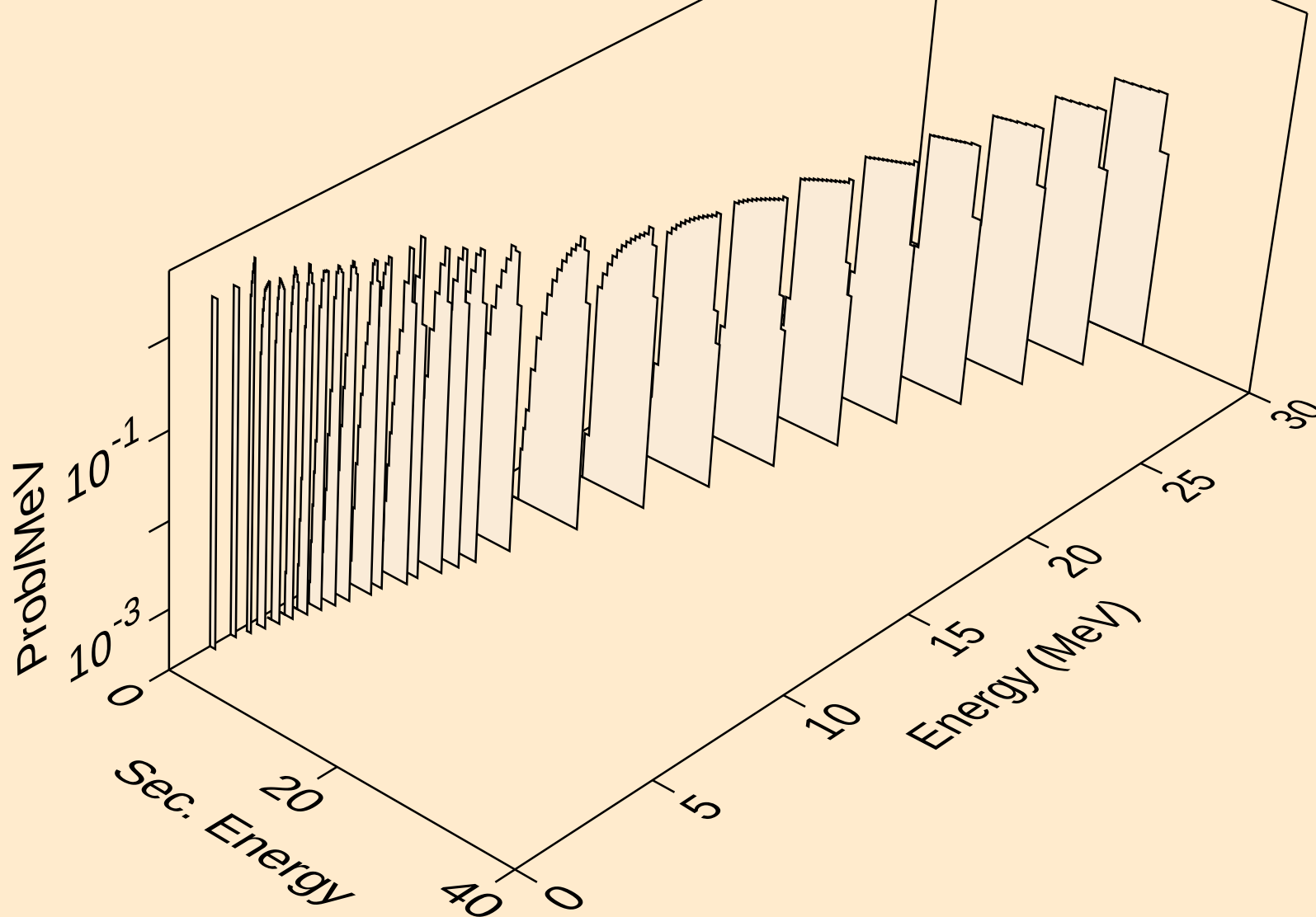
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



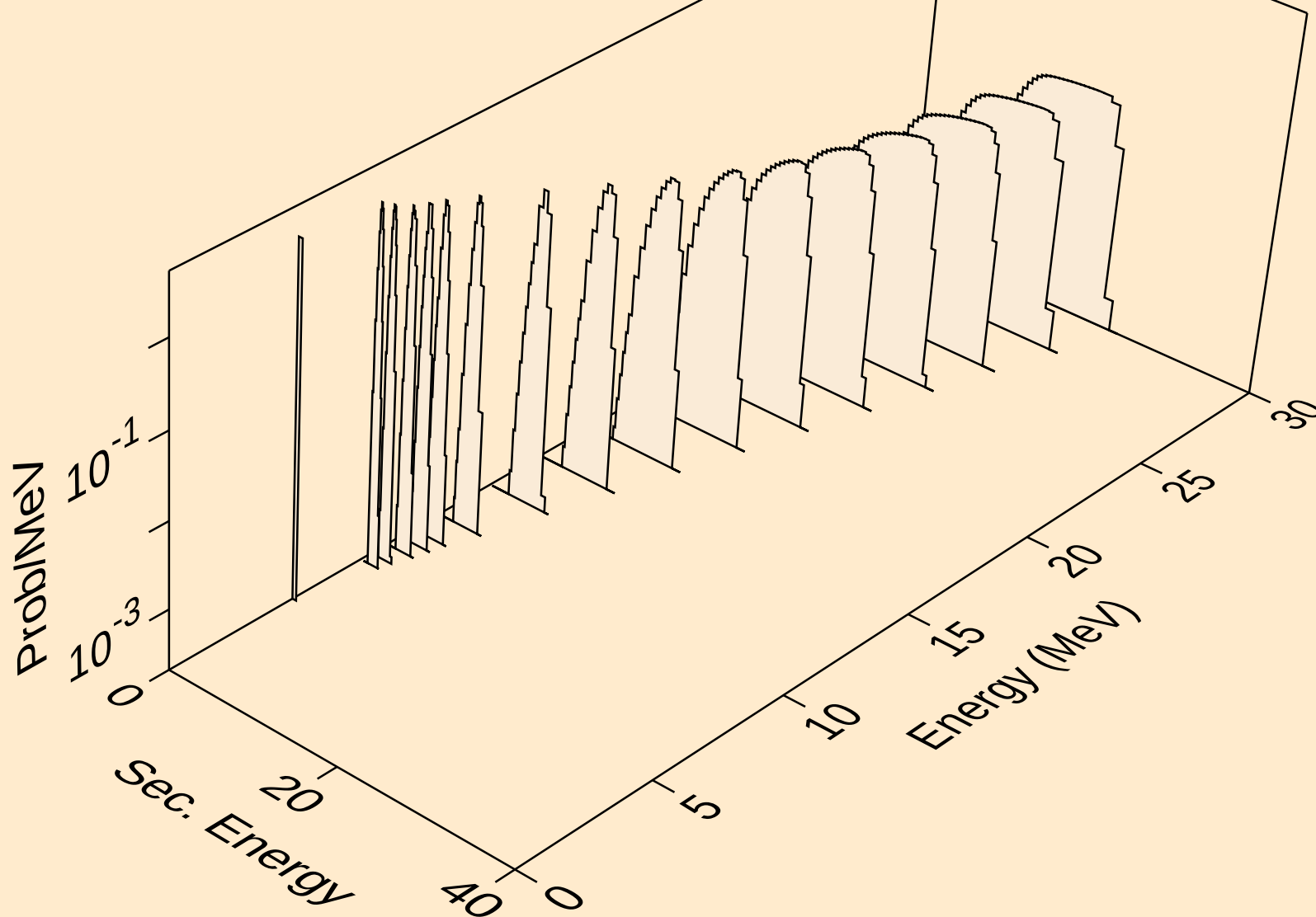
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



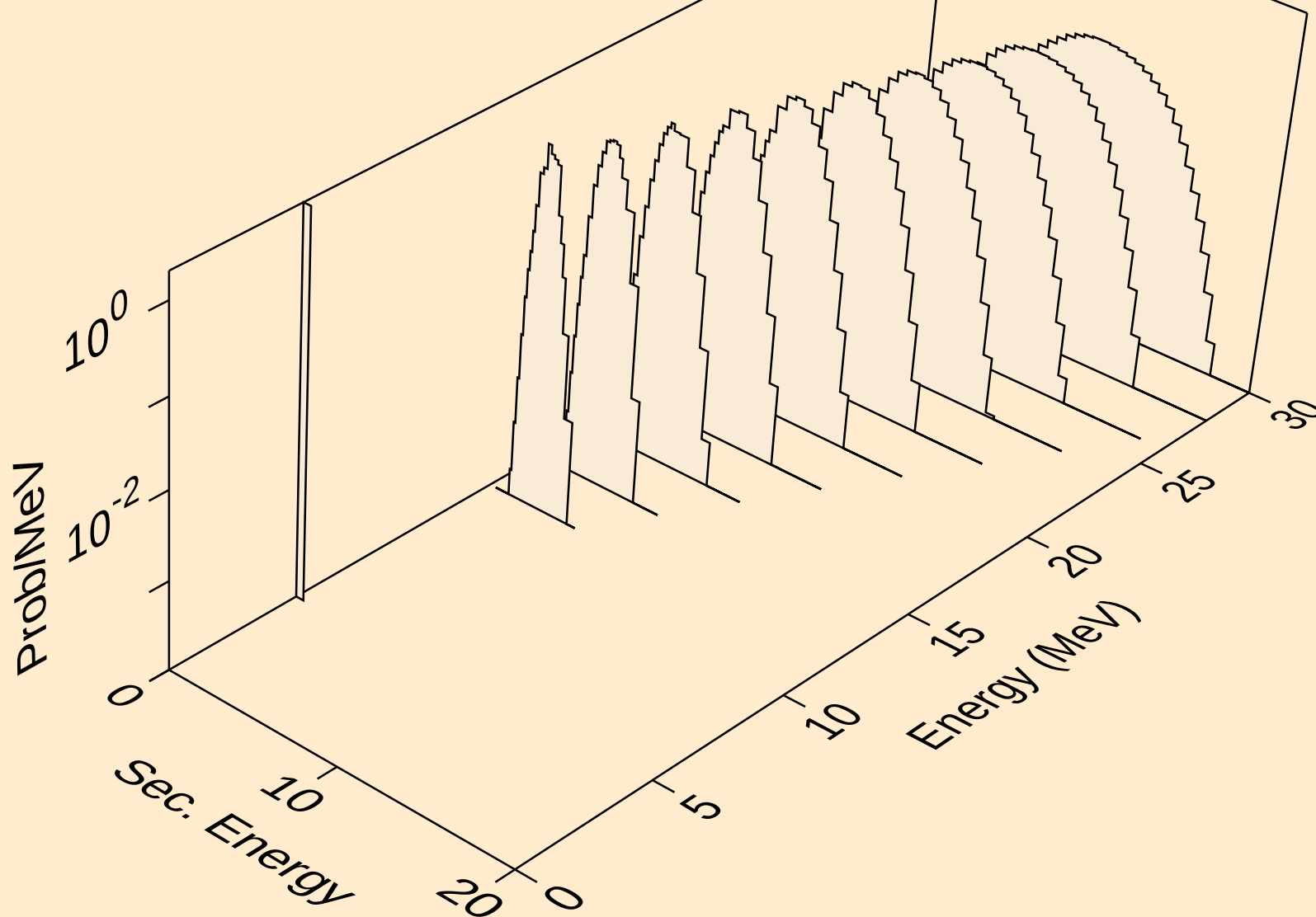
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



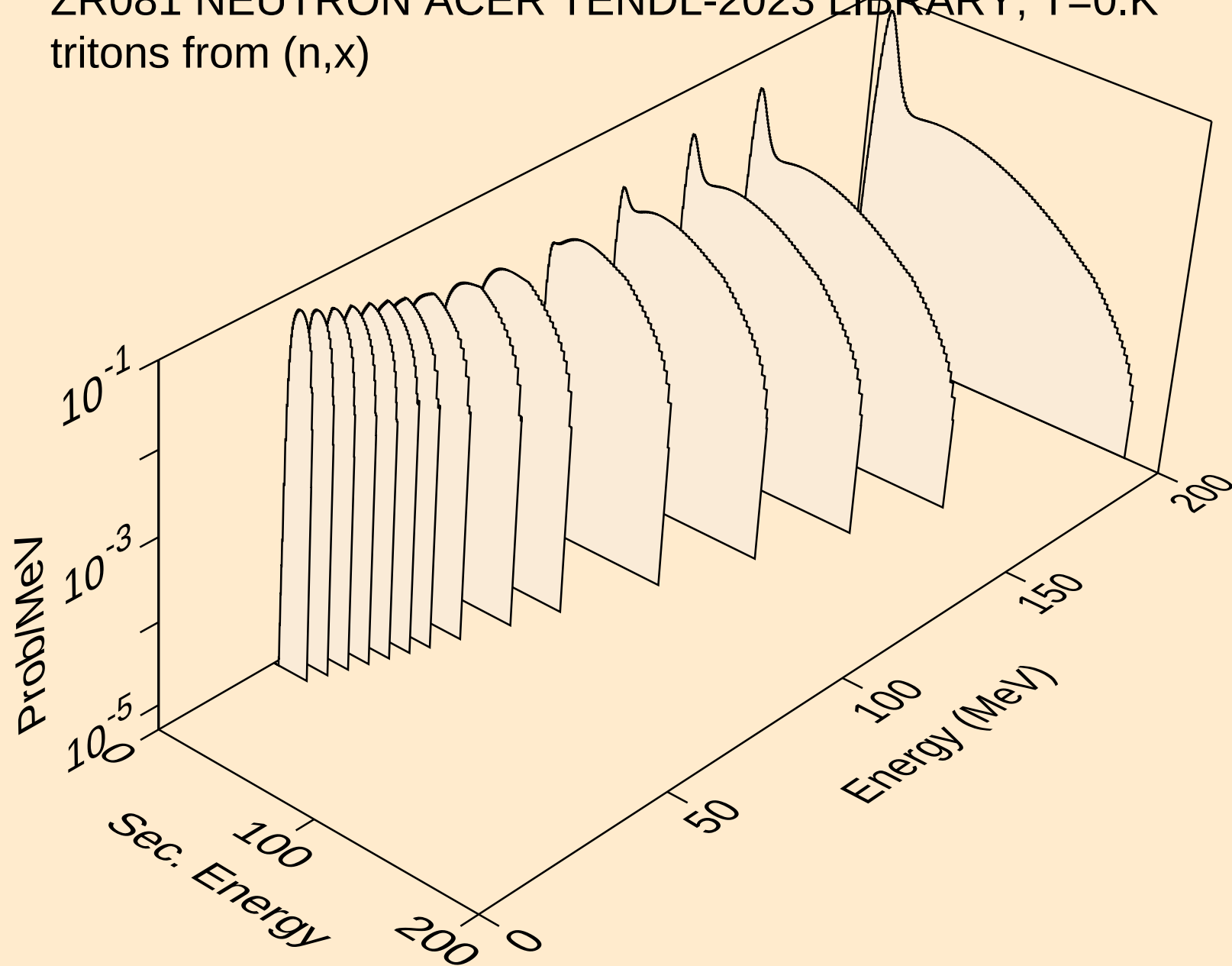
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



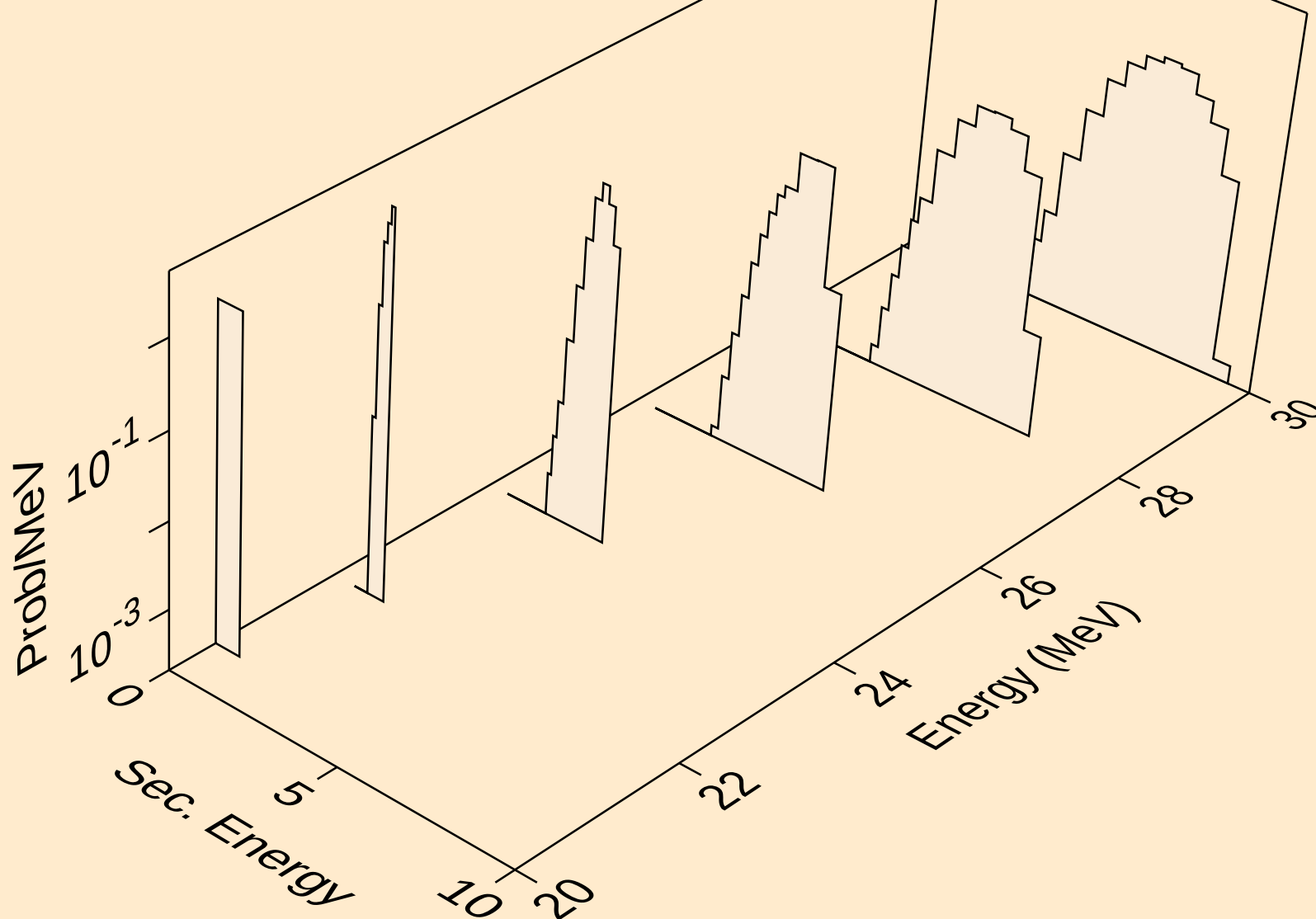
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



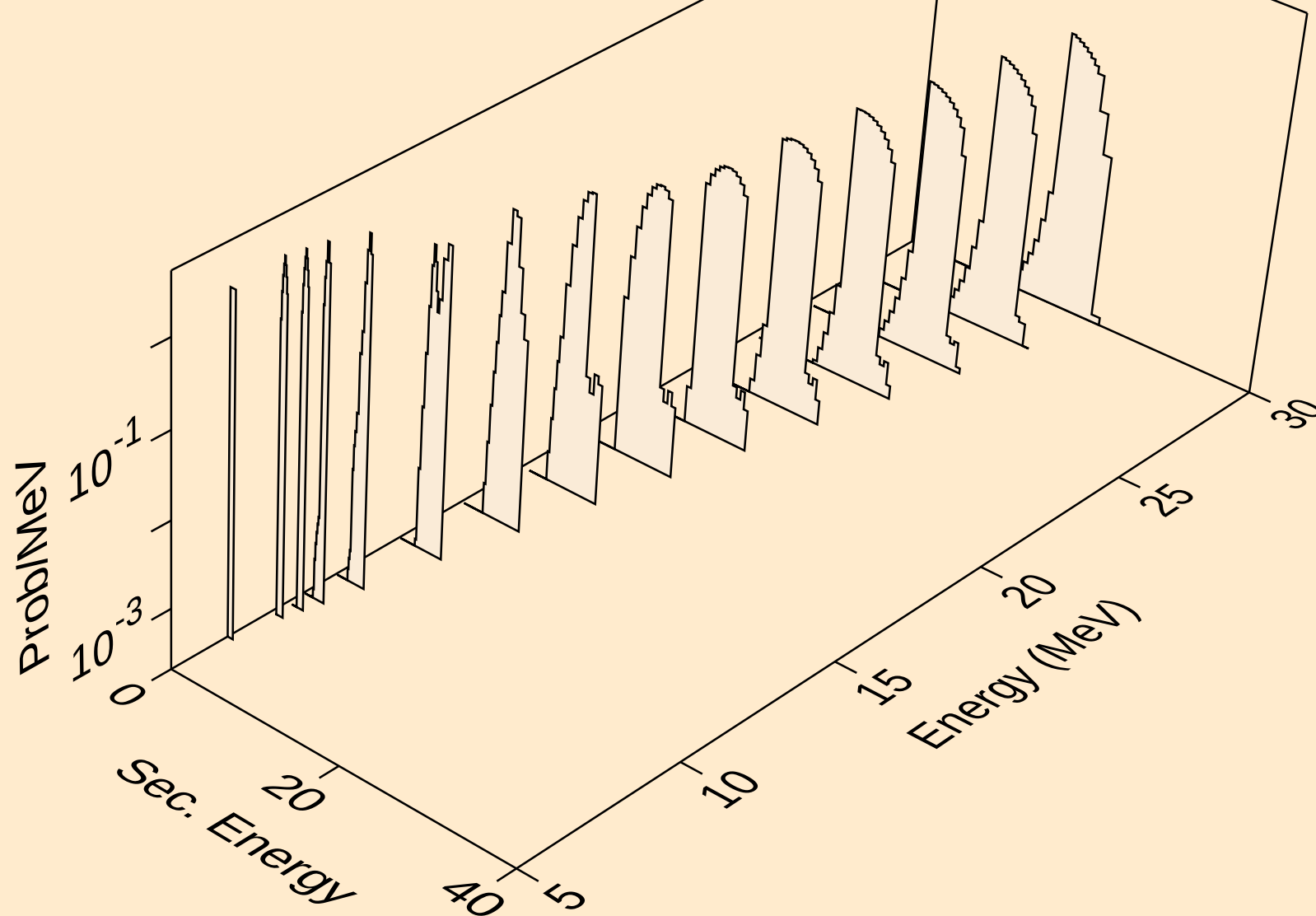
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



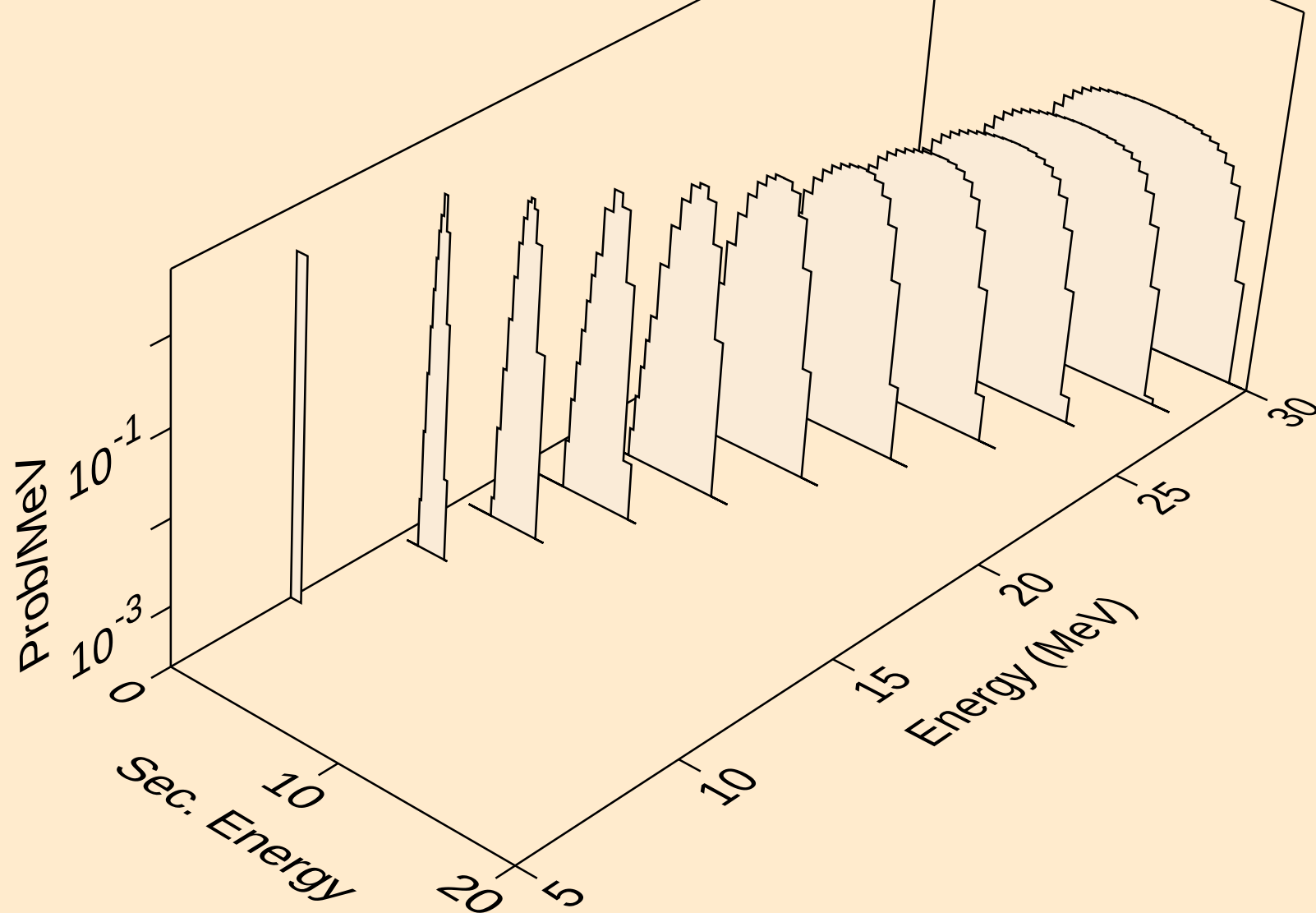
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



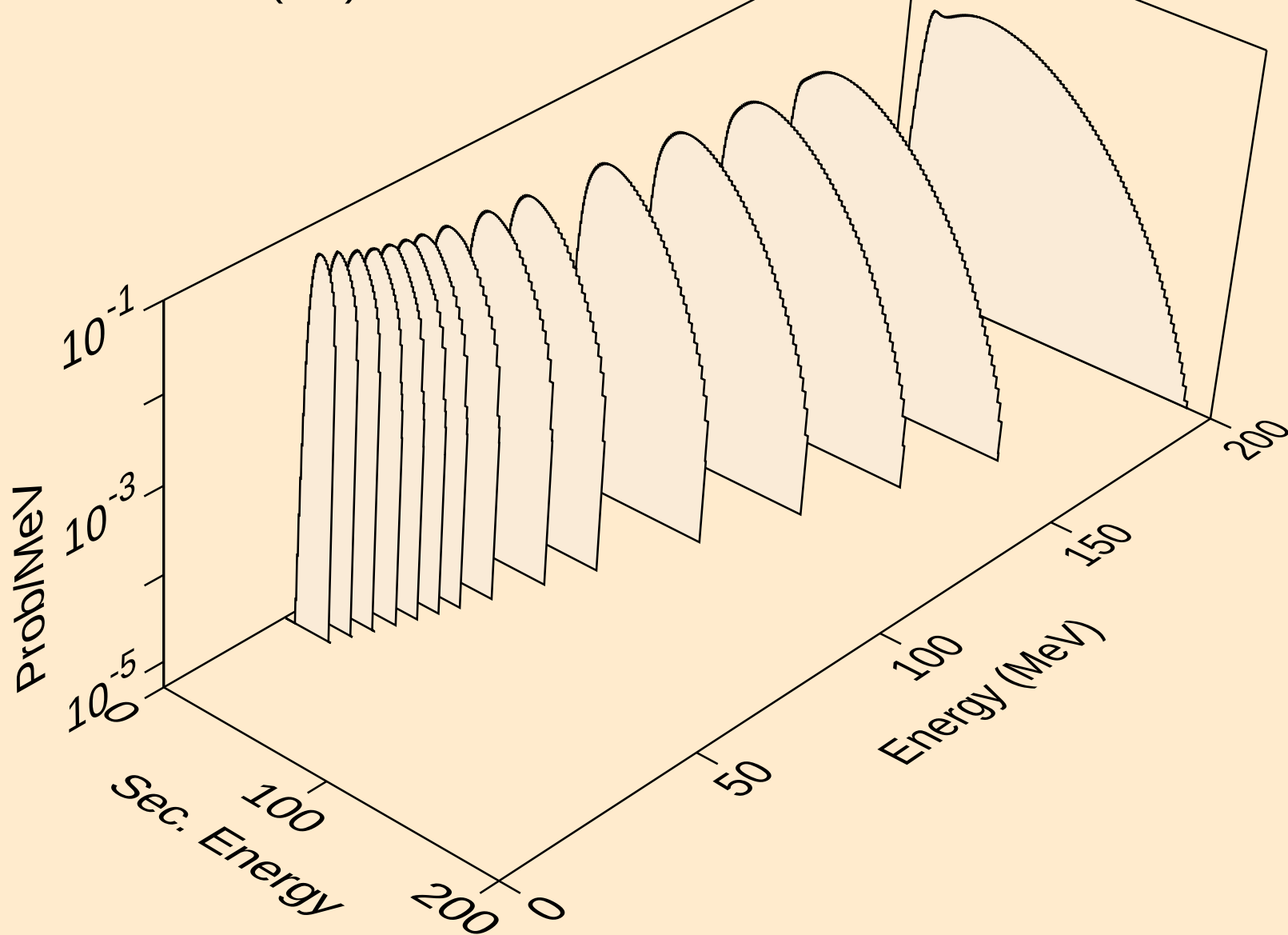
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



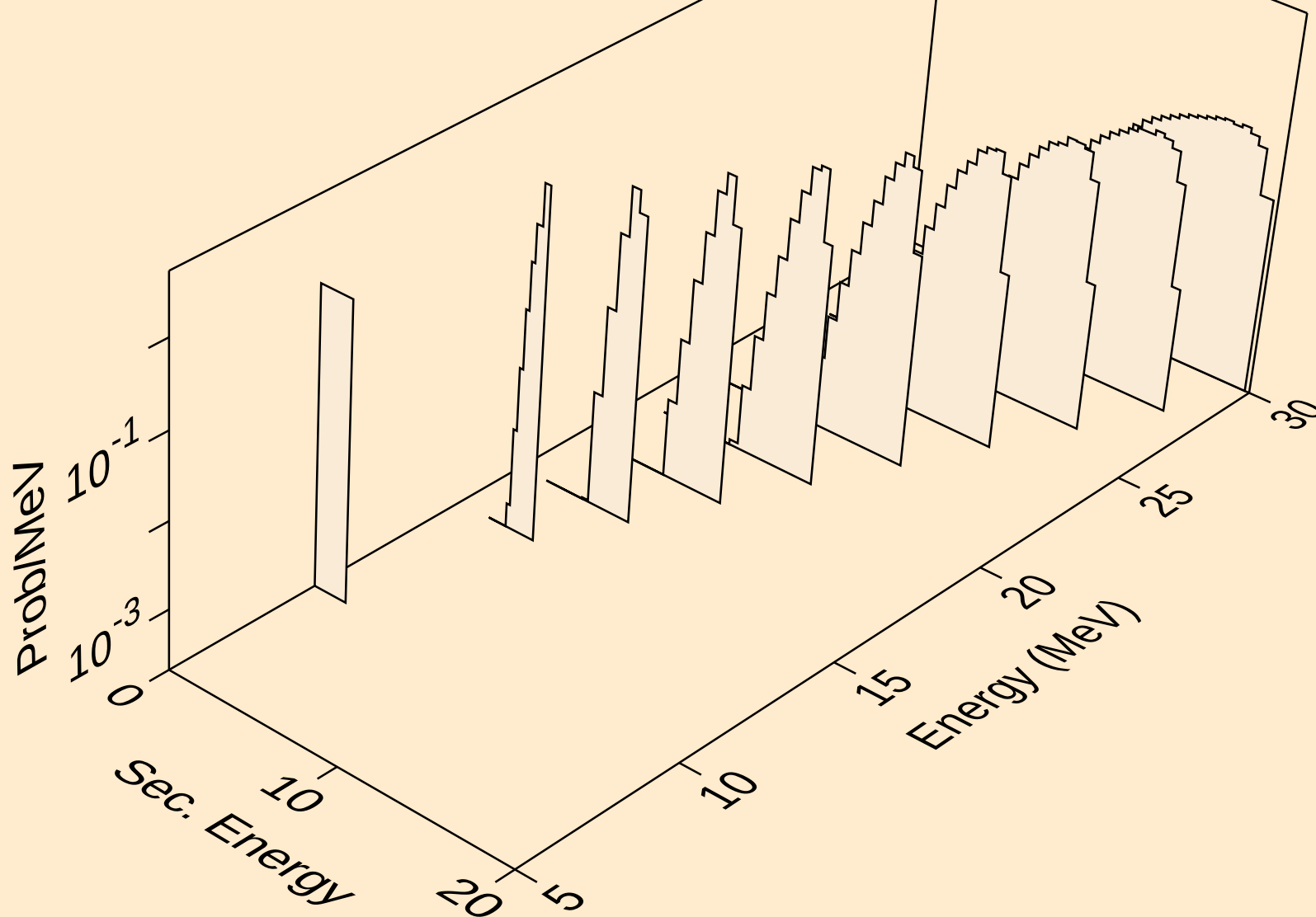
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



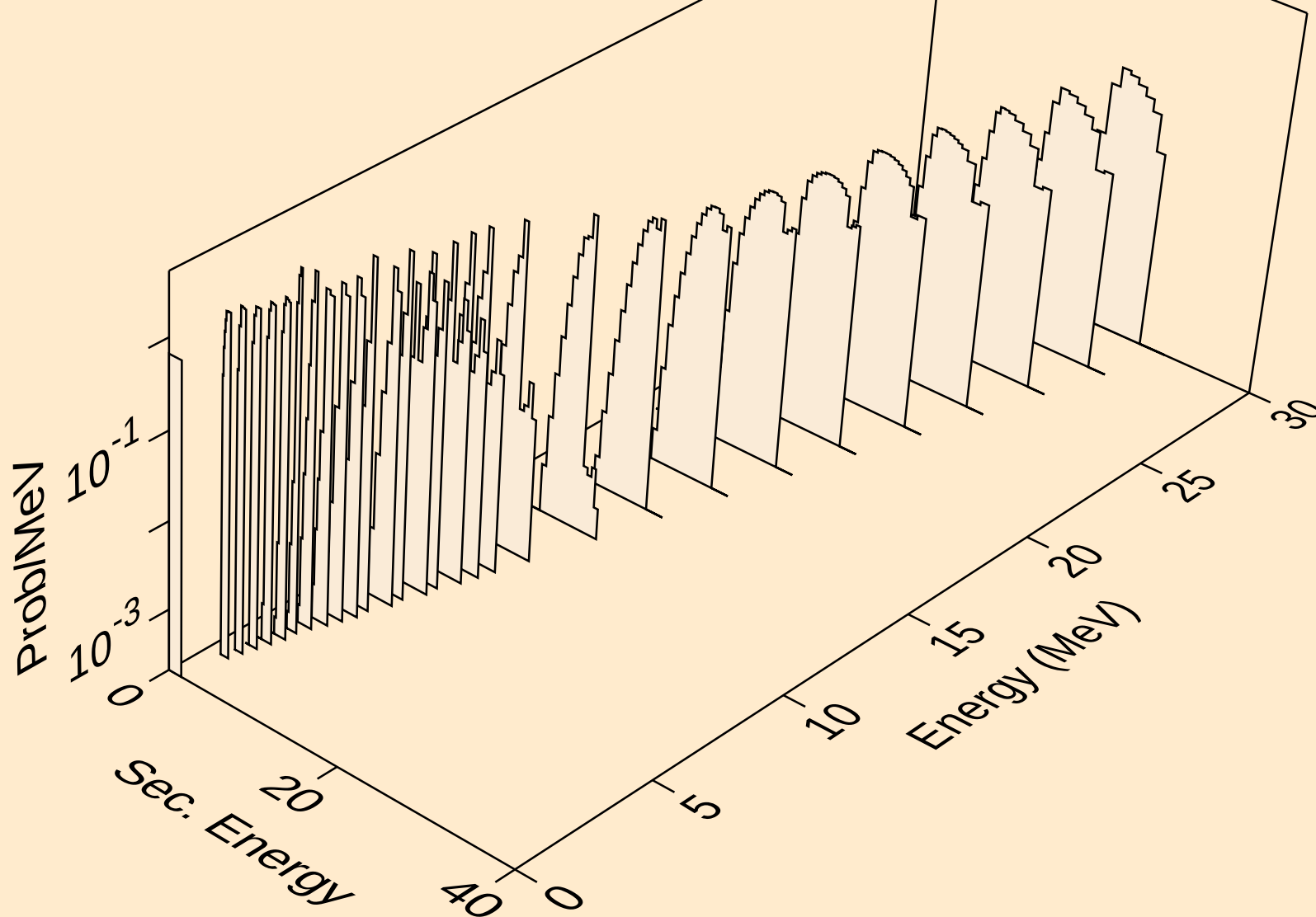
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



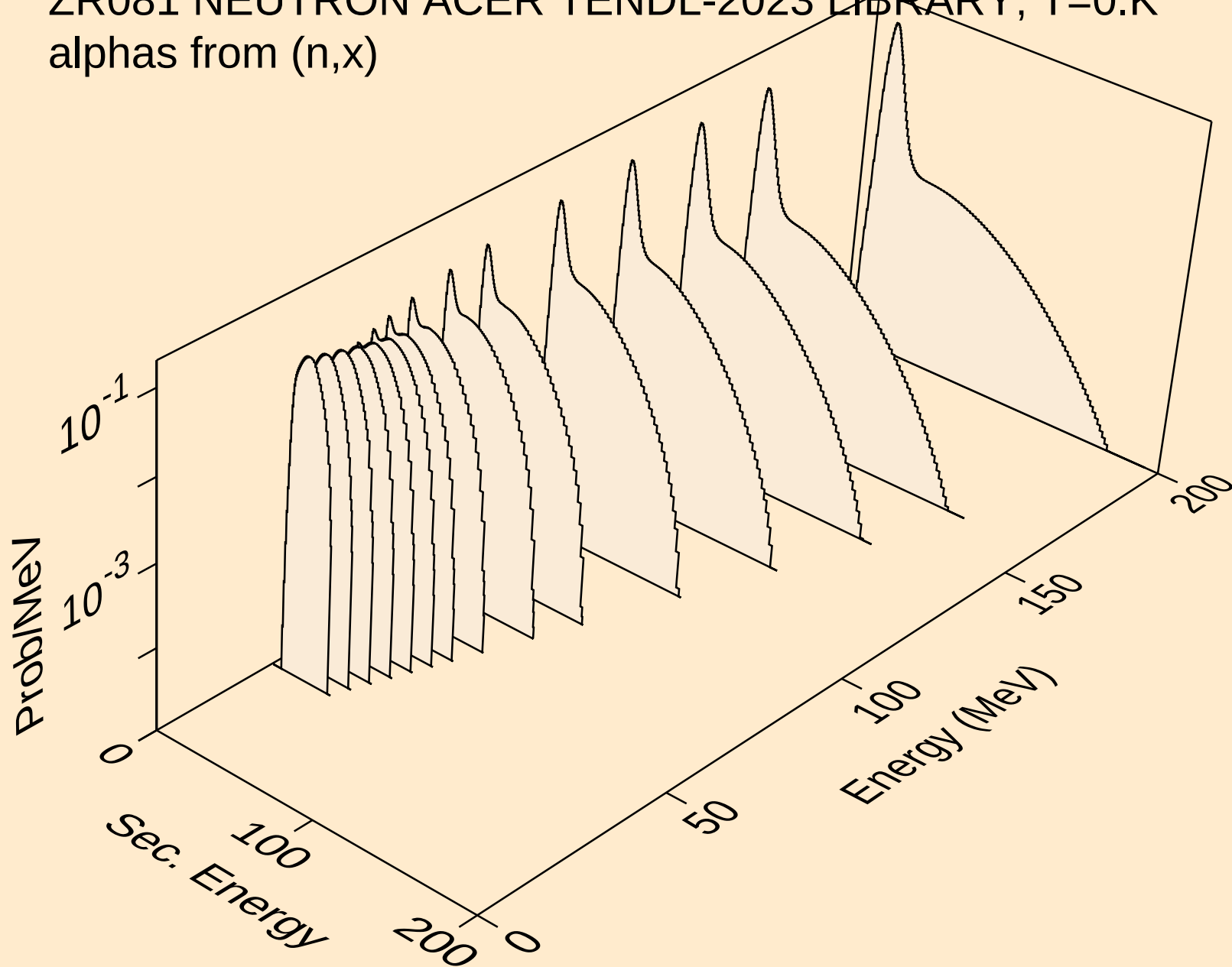
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



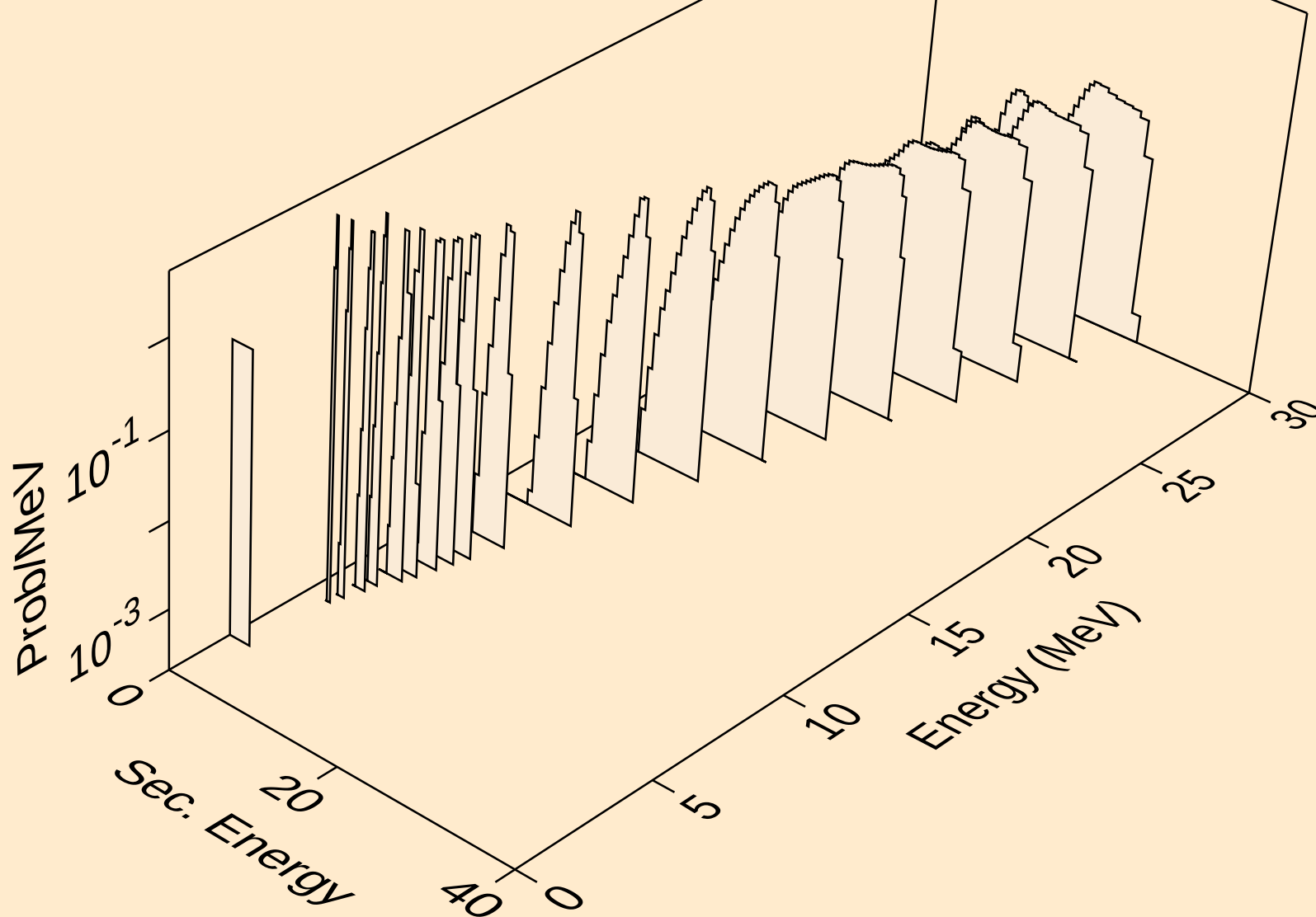
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



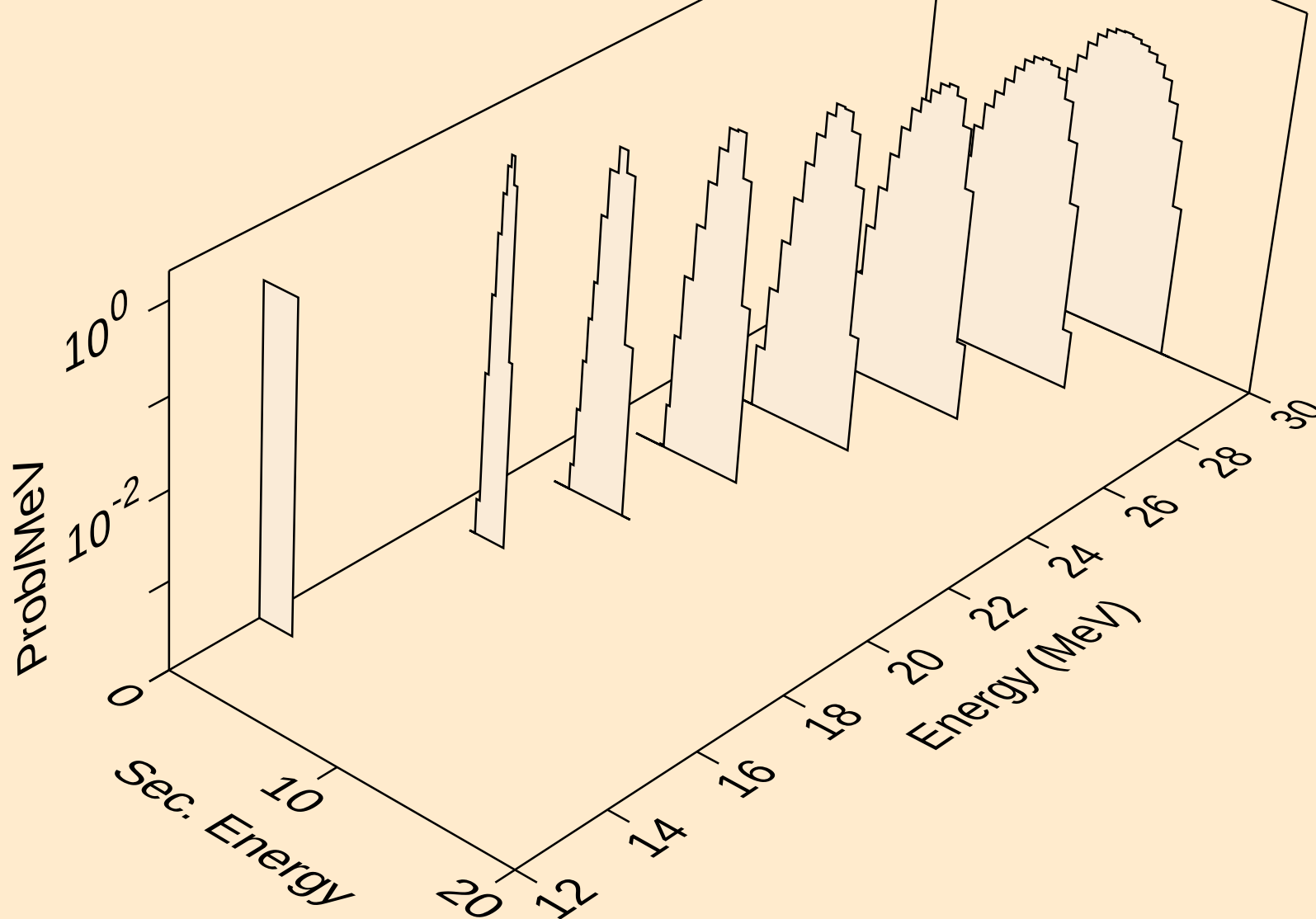
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



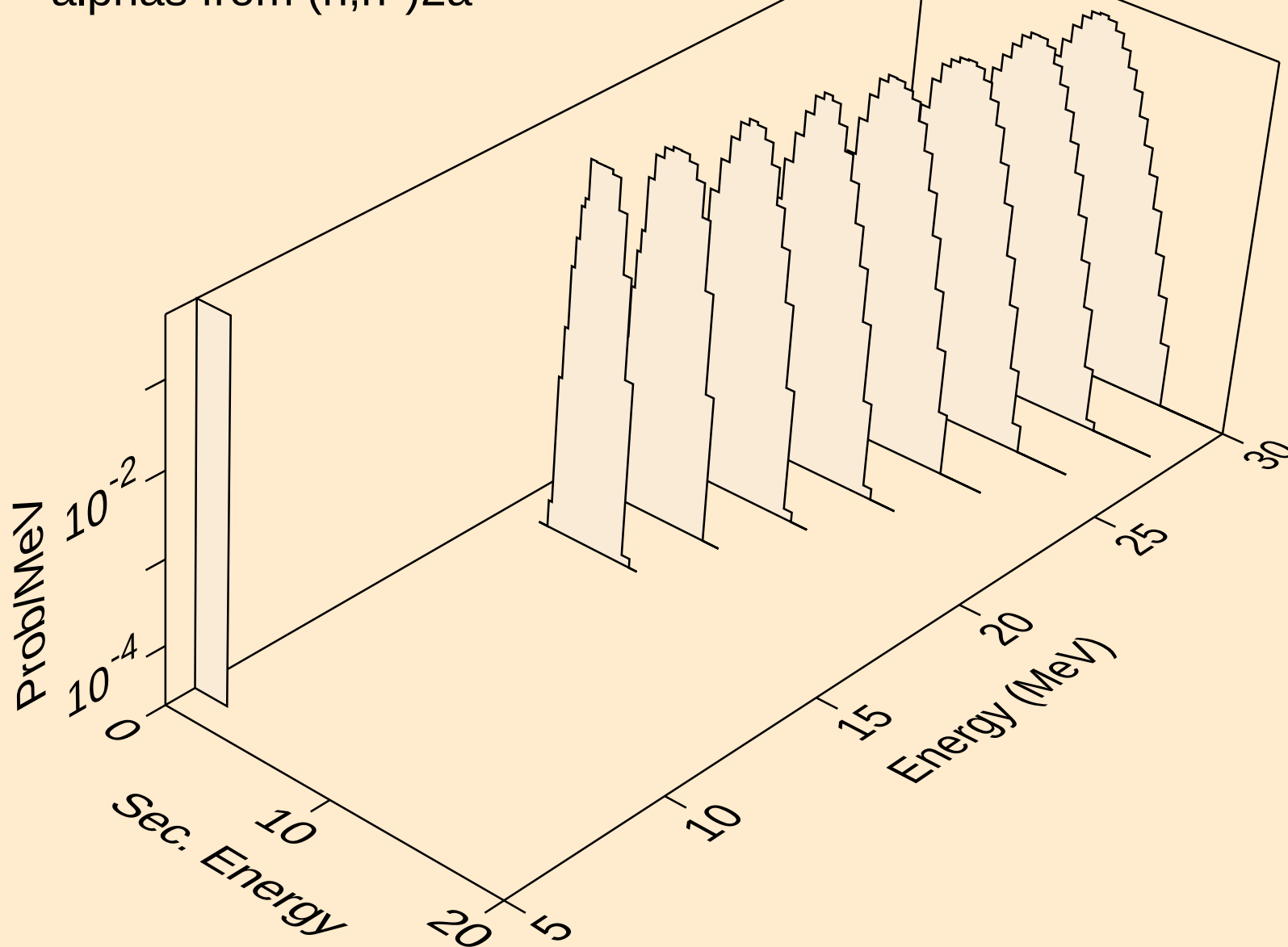
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



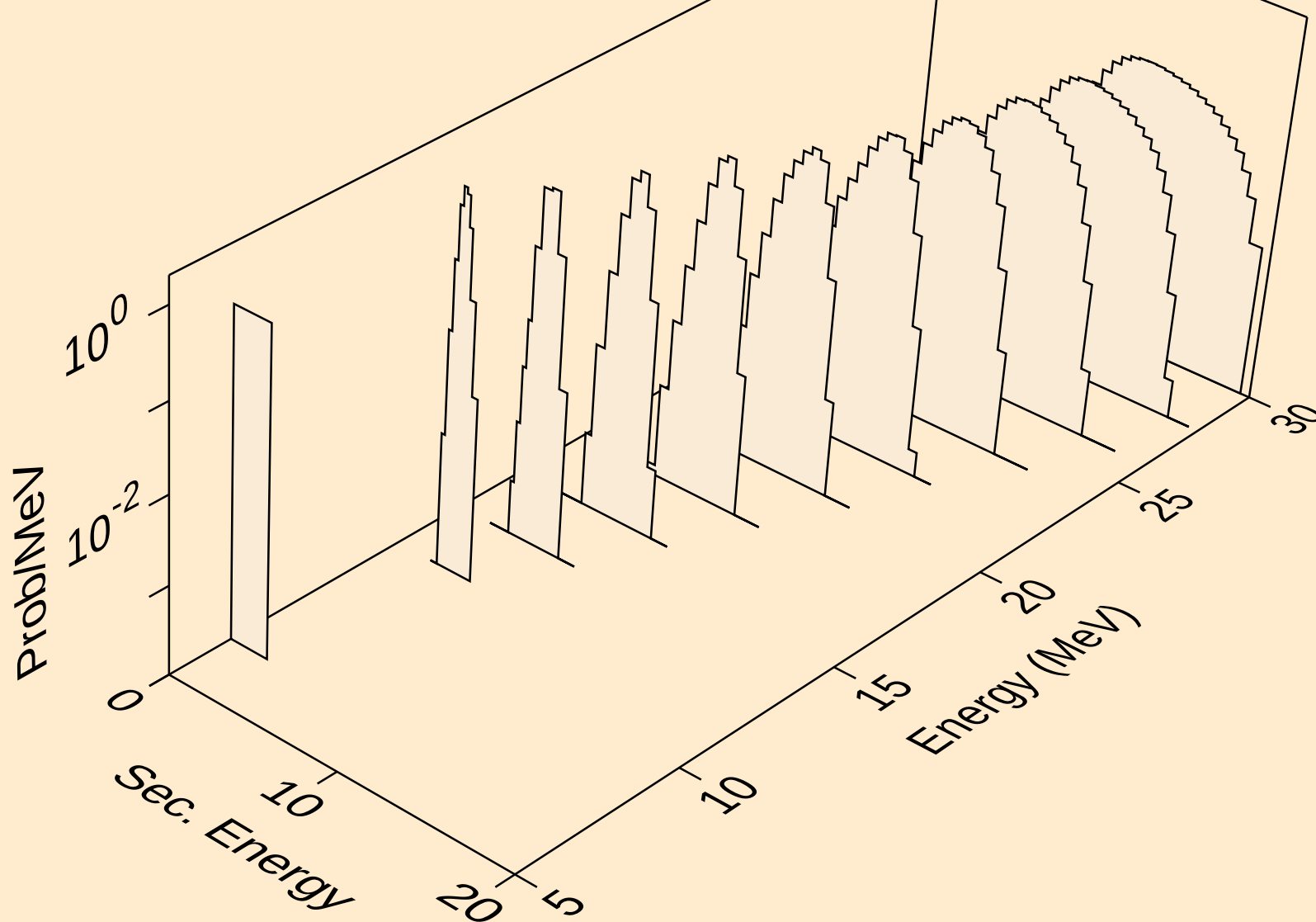
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



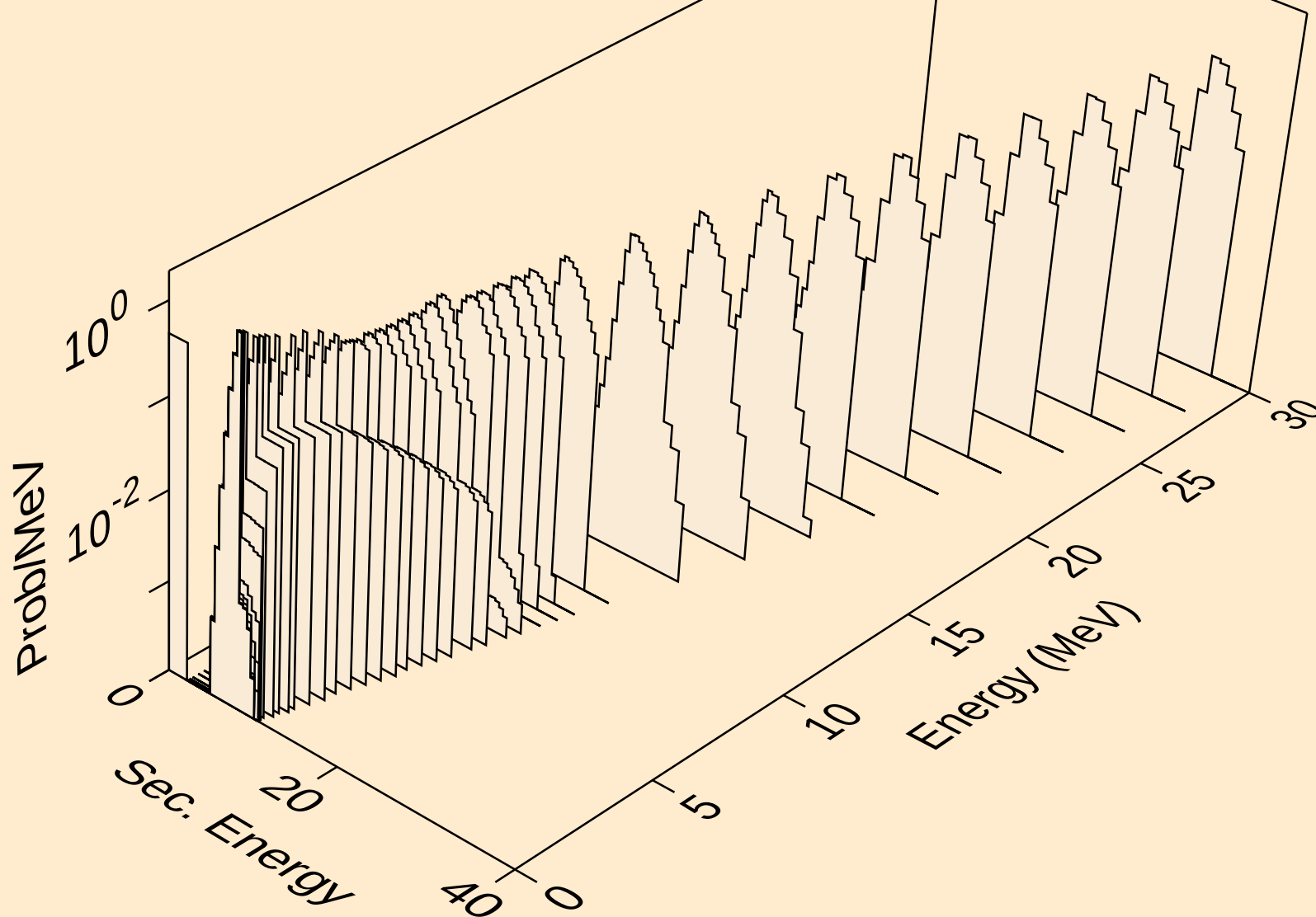
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



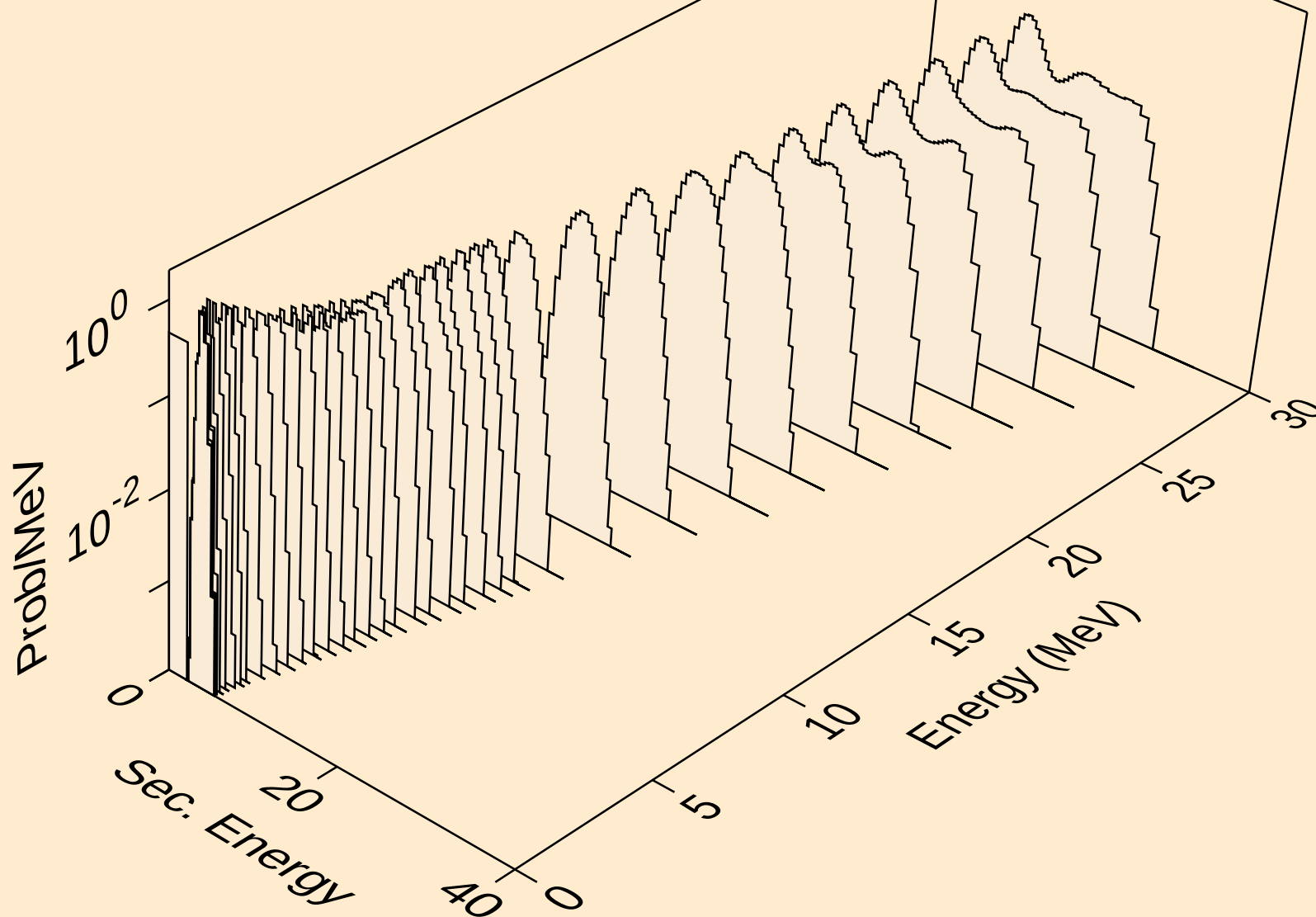
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



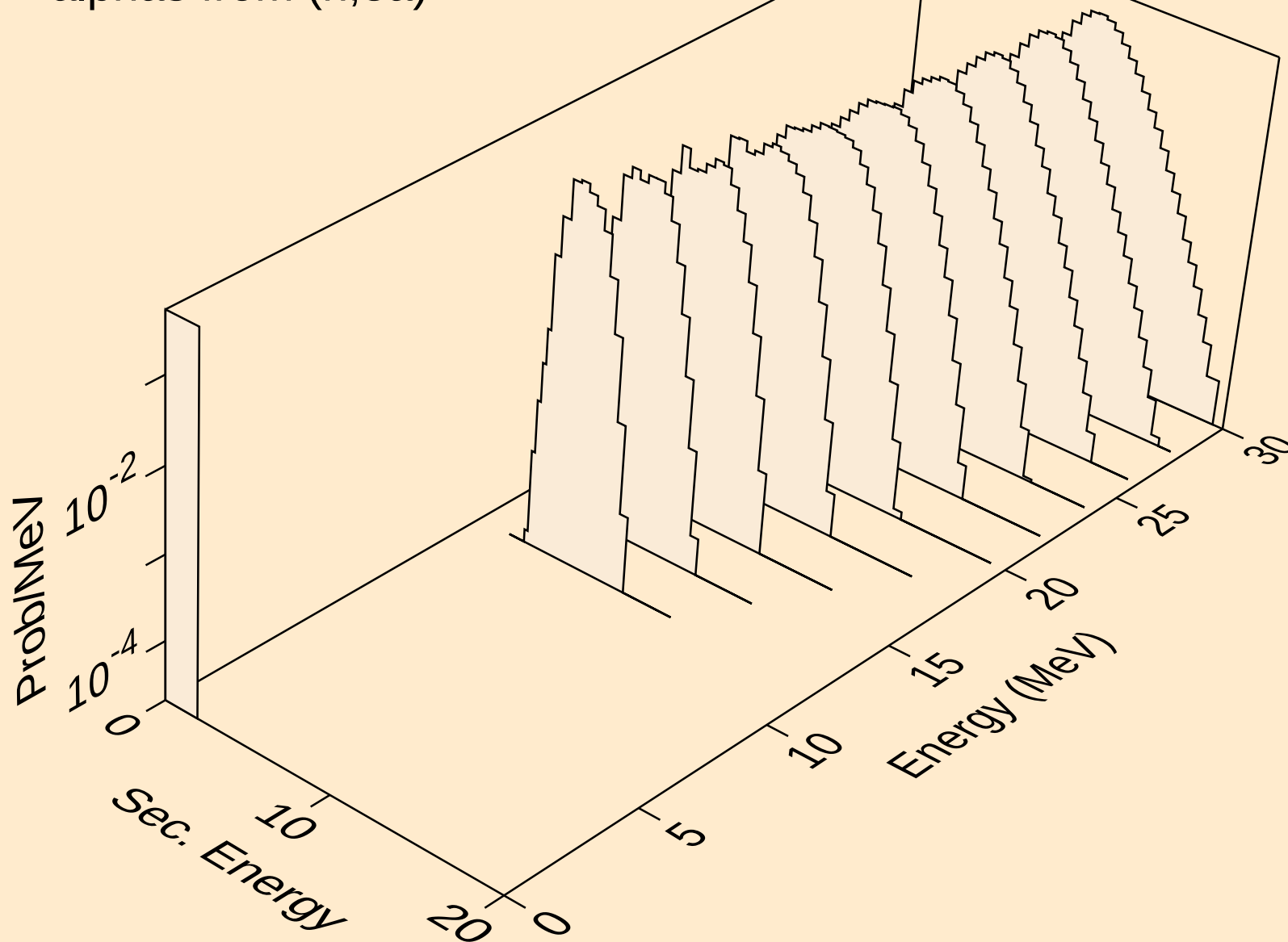
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



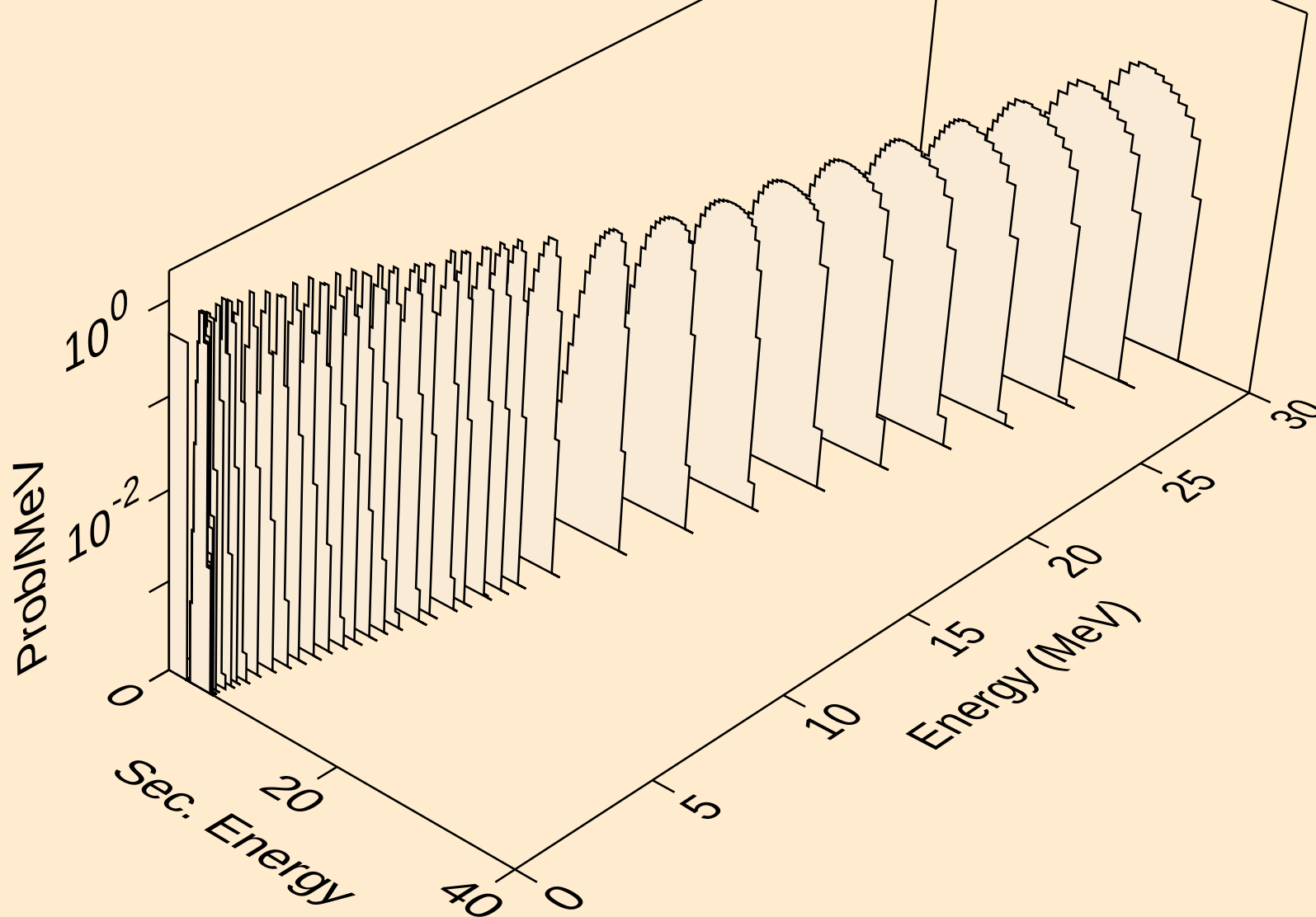
ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3a)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



ZR081 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

