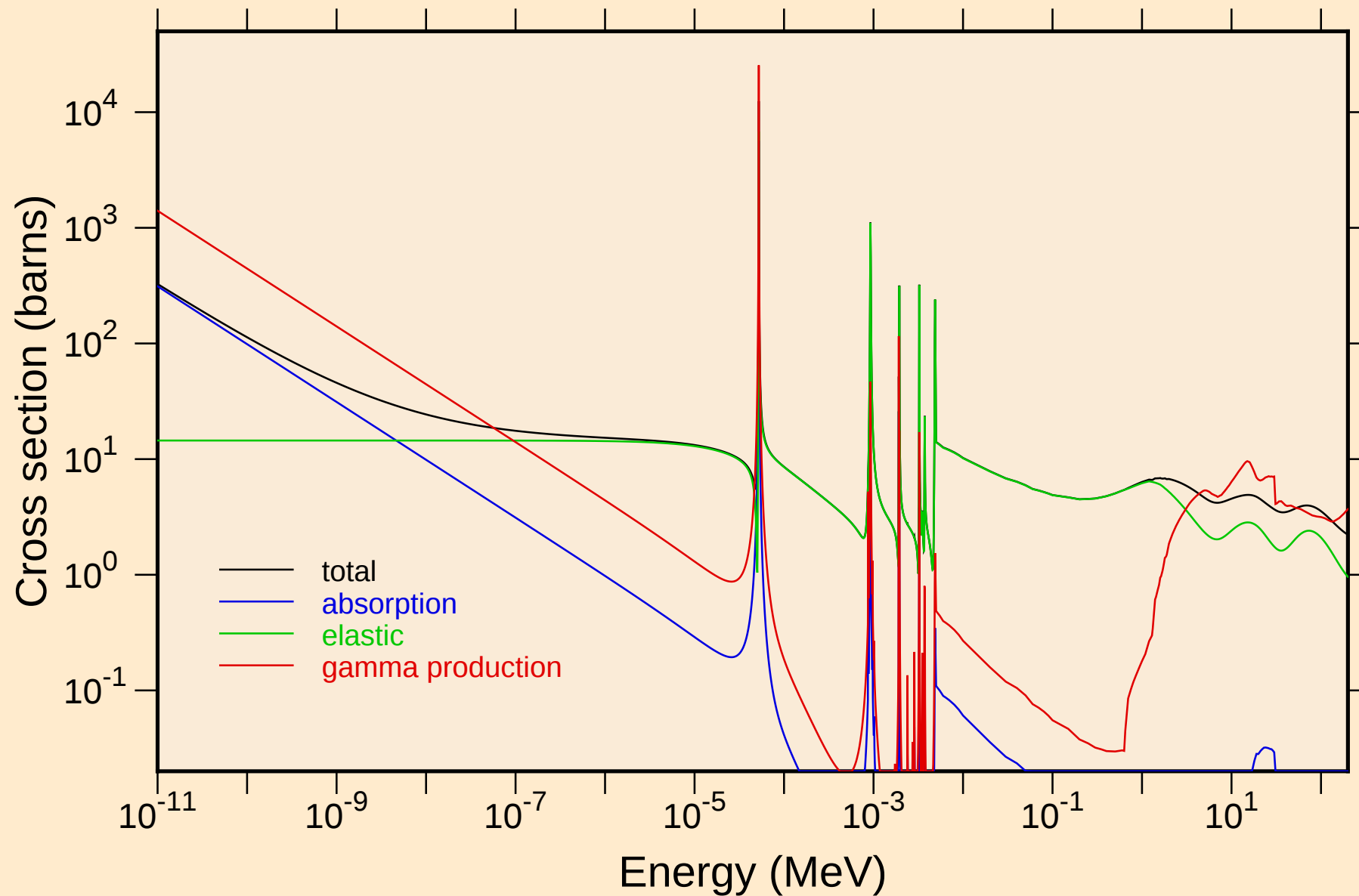
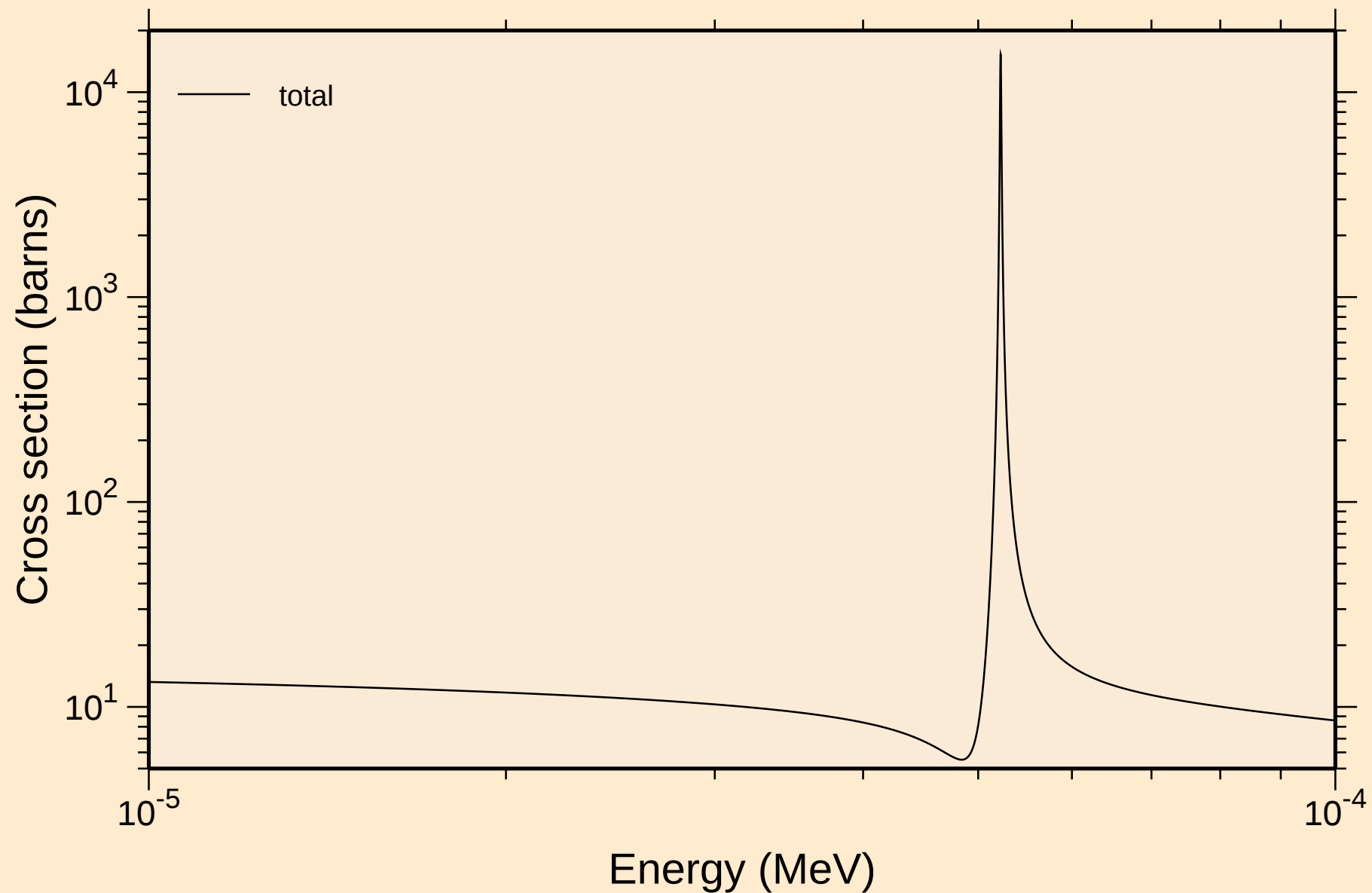


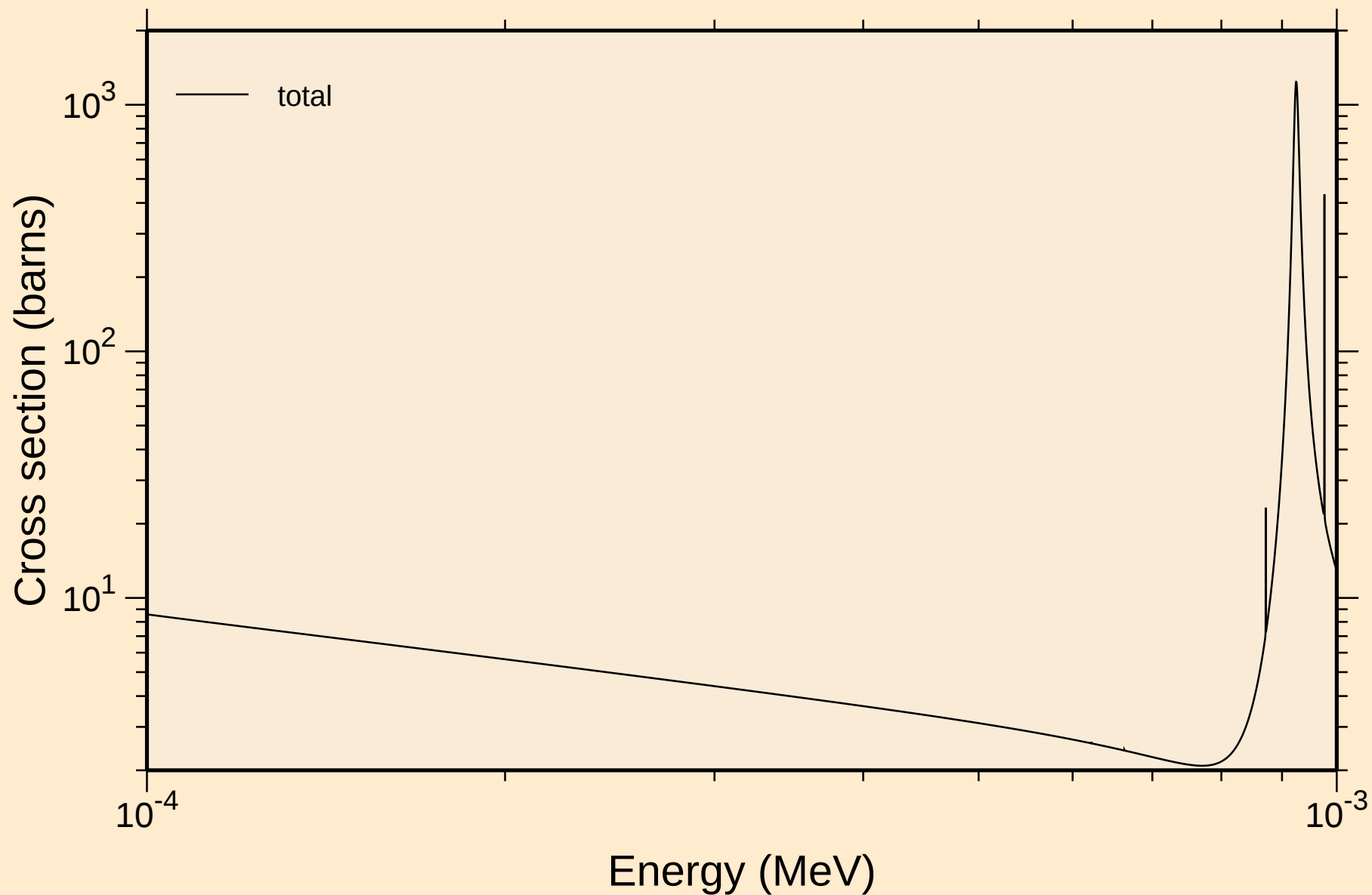
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



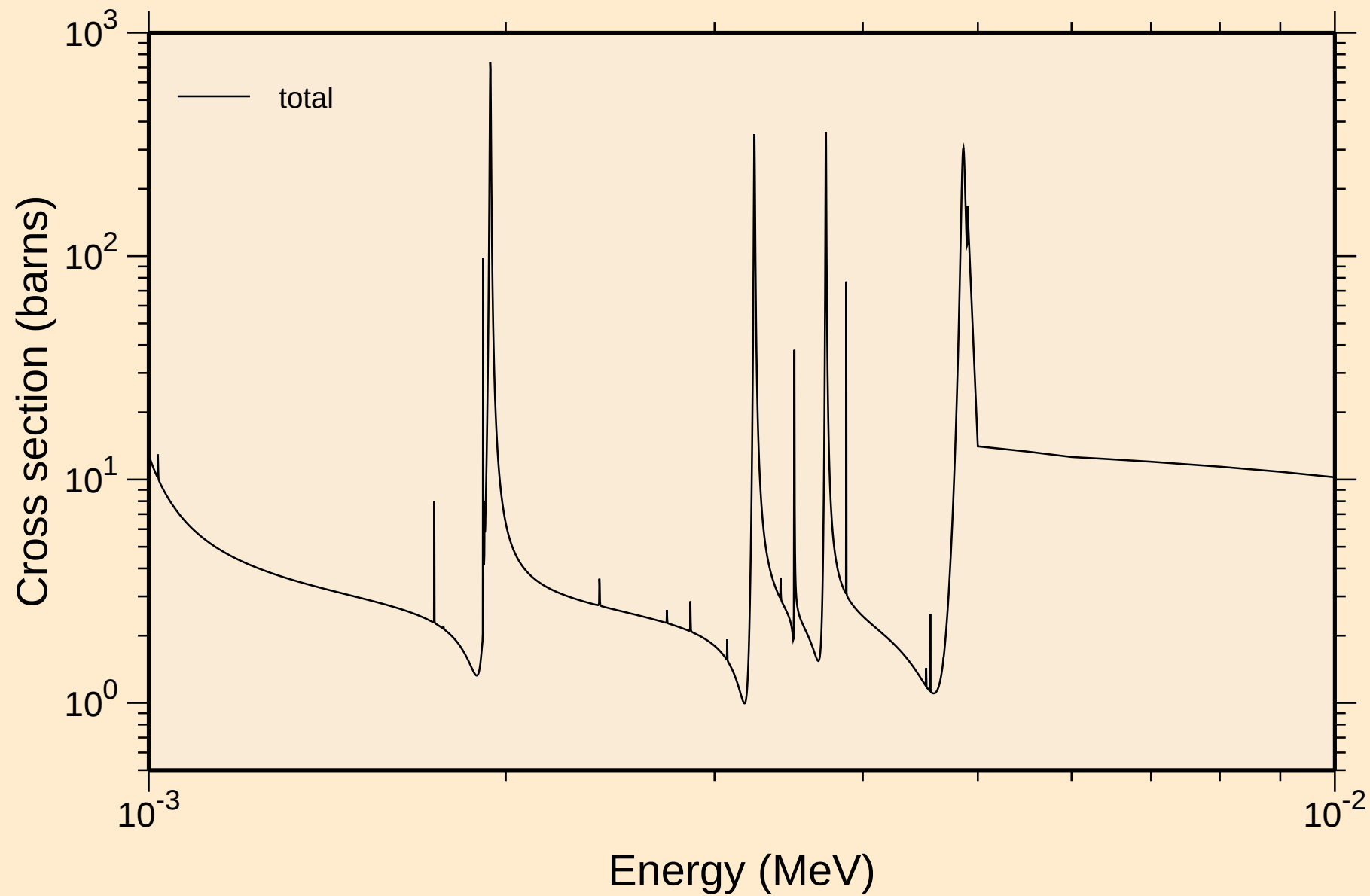
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



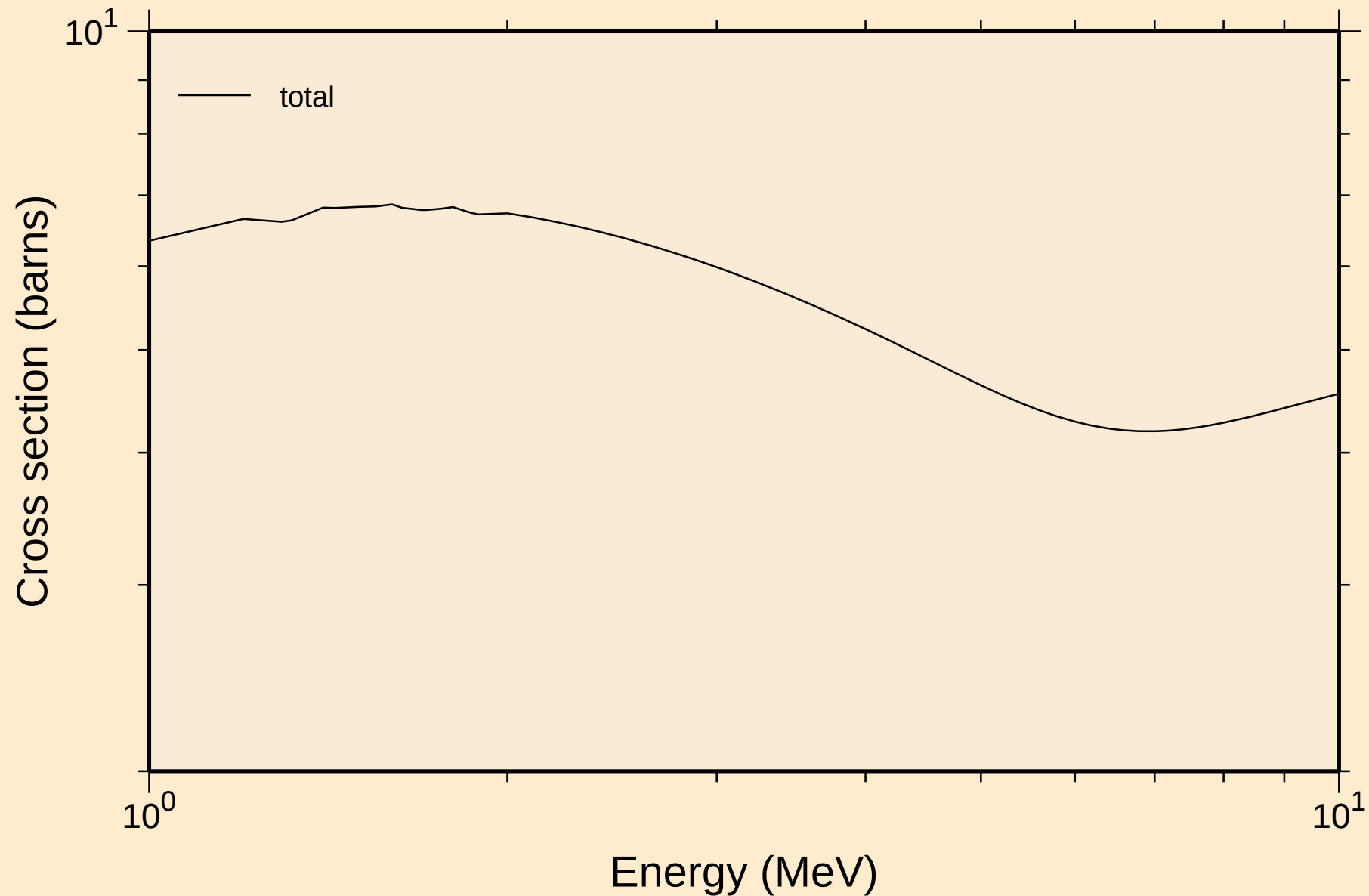
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



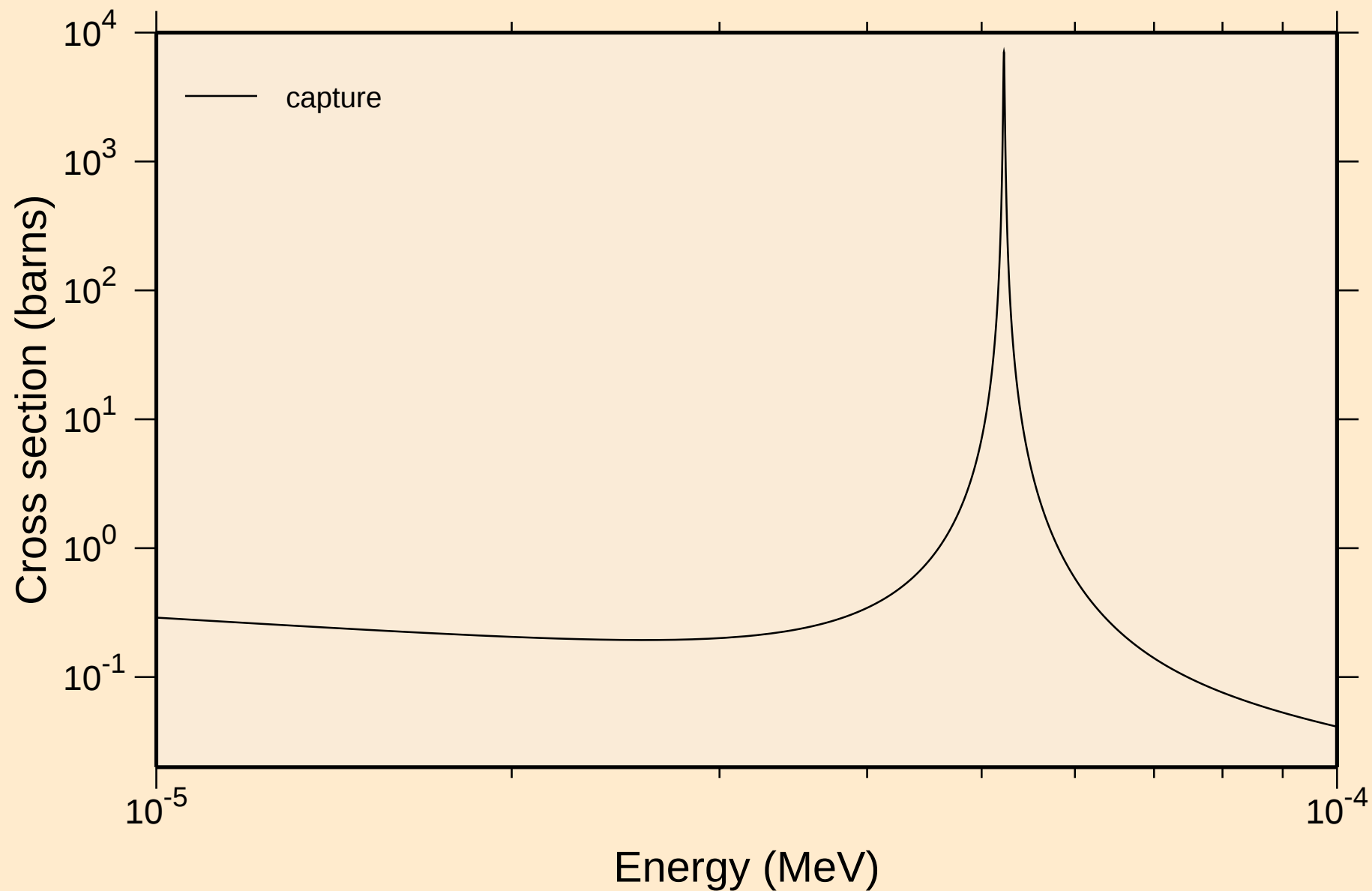
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



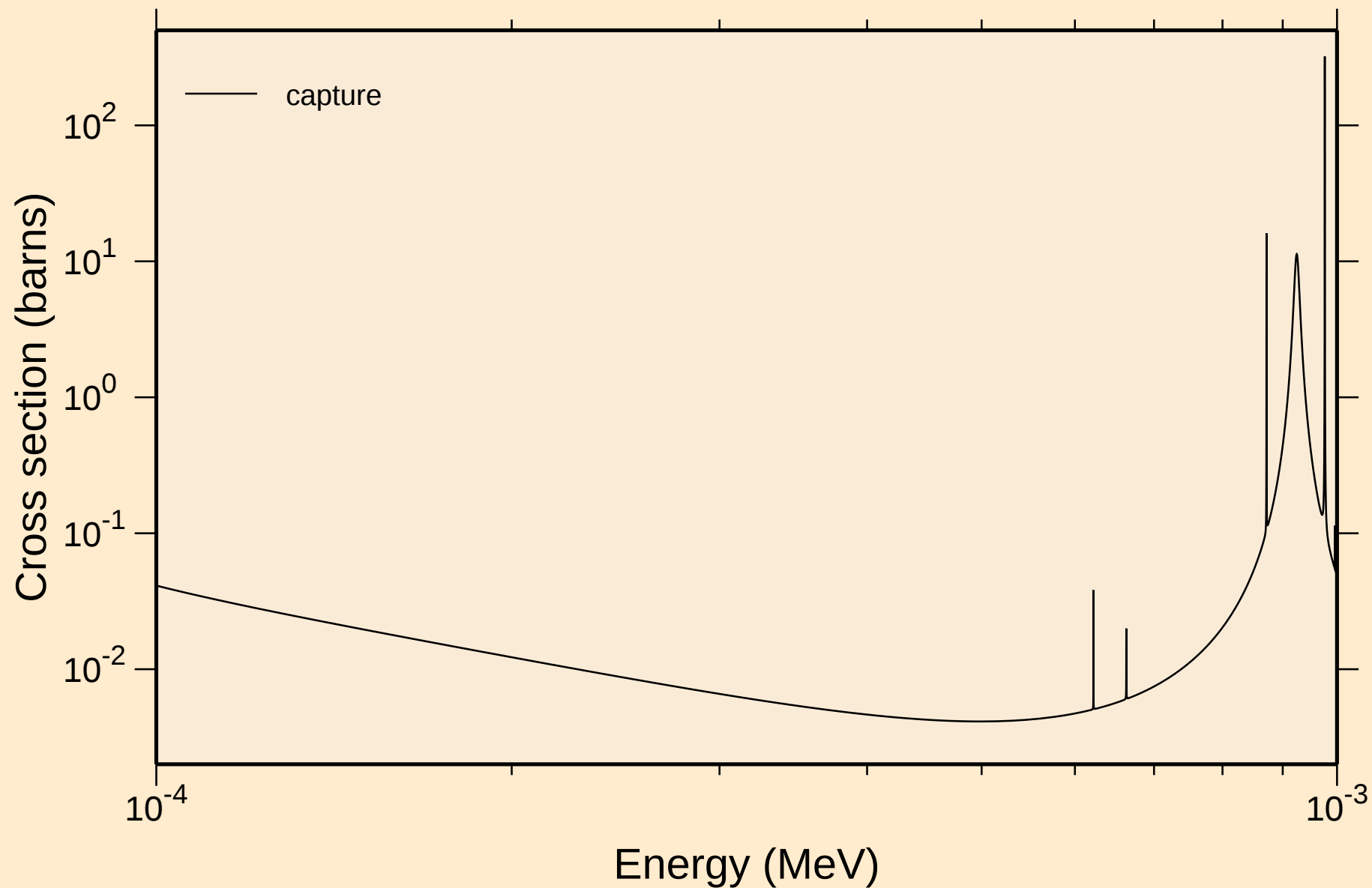
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



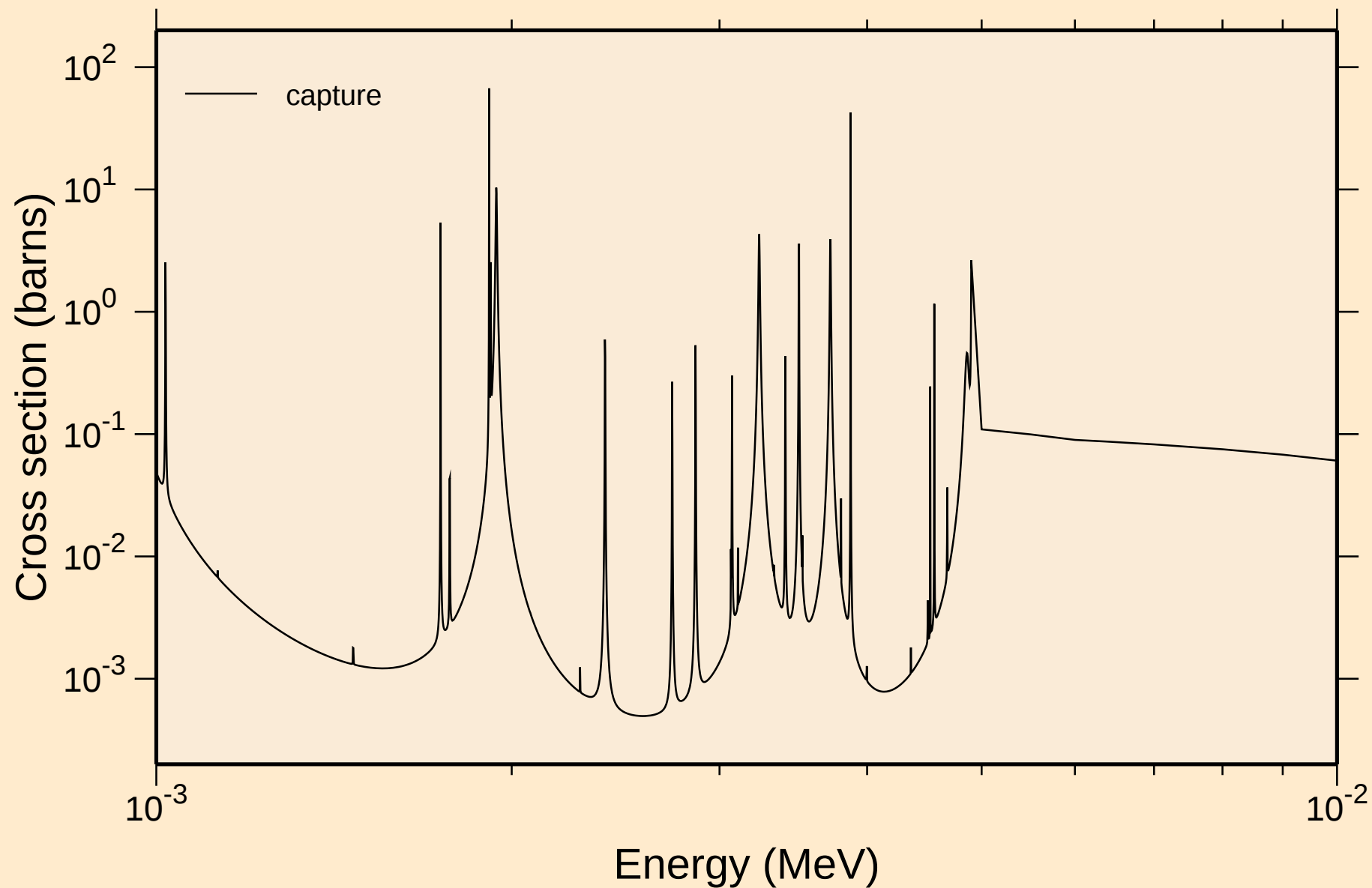
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



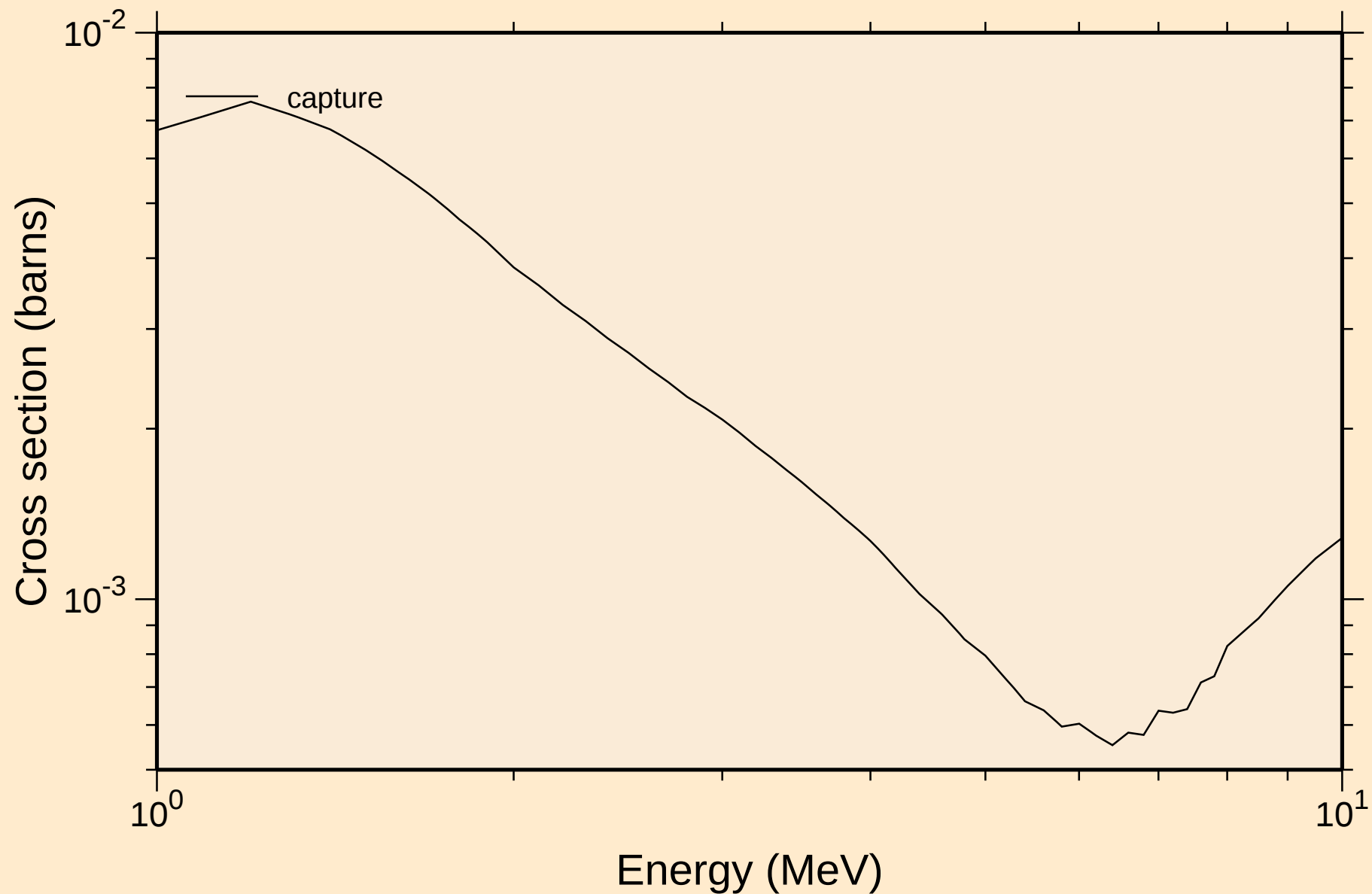
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

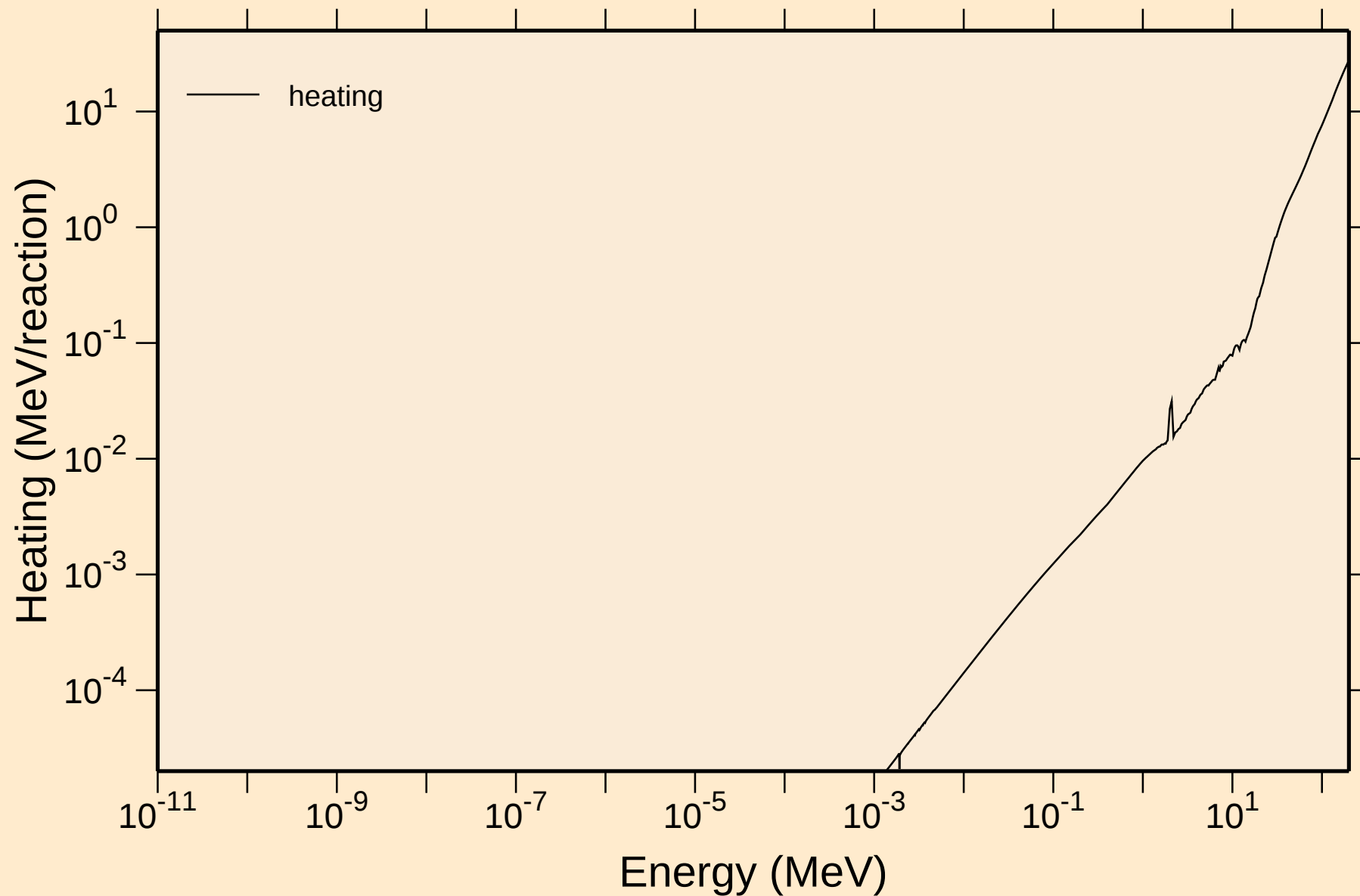


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



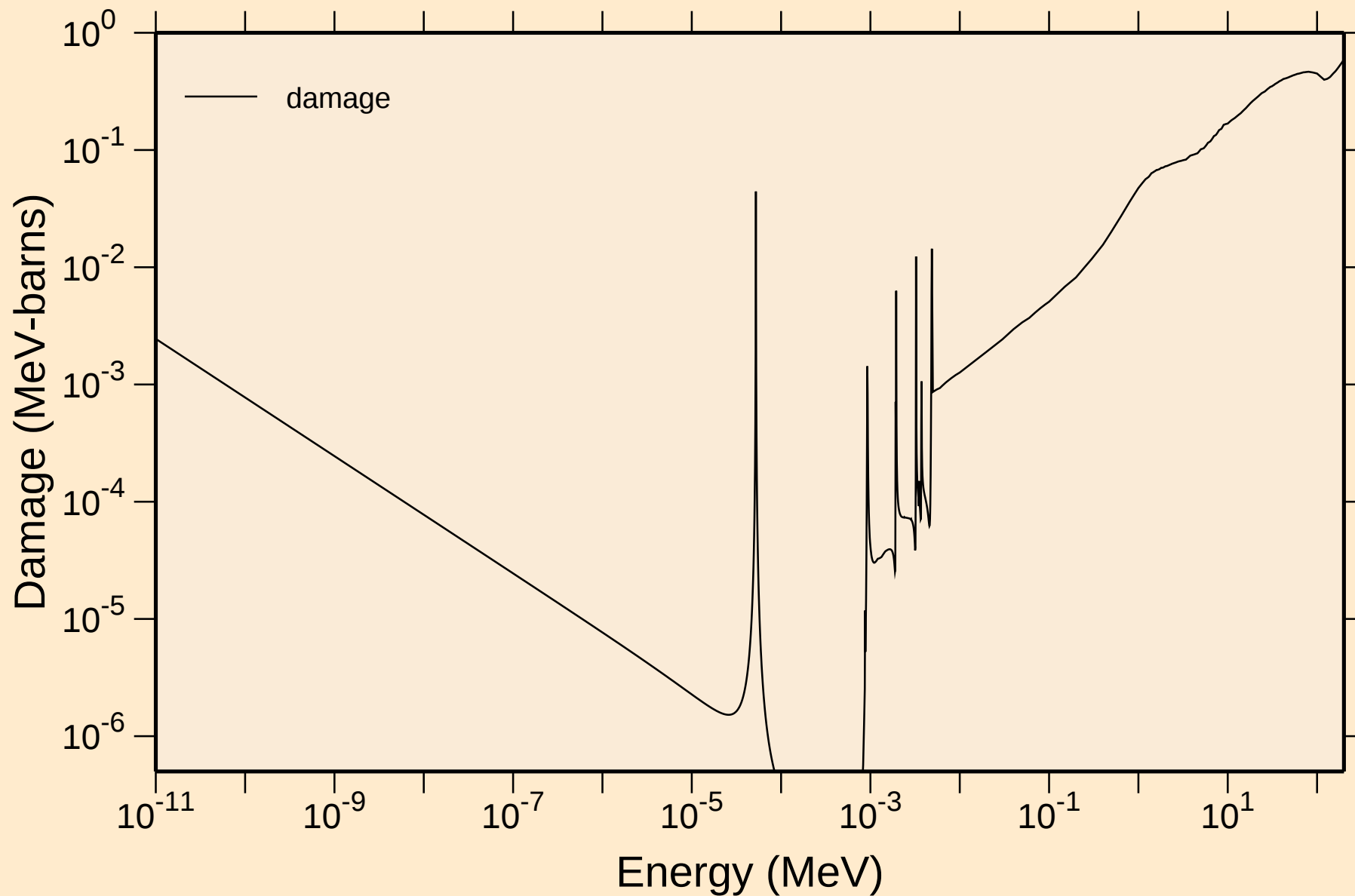
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



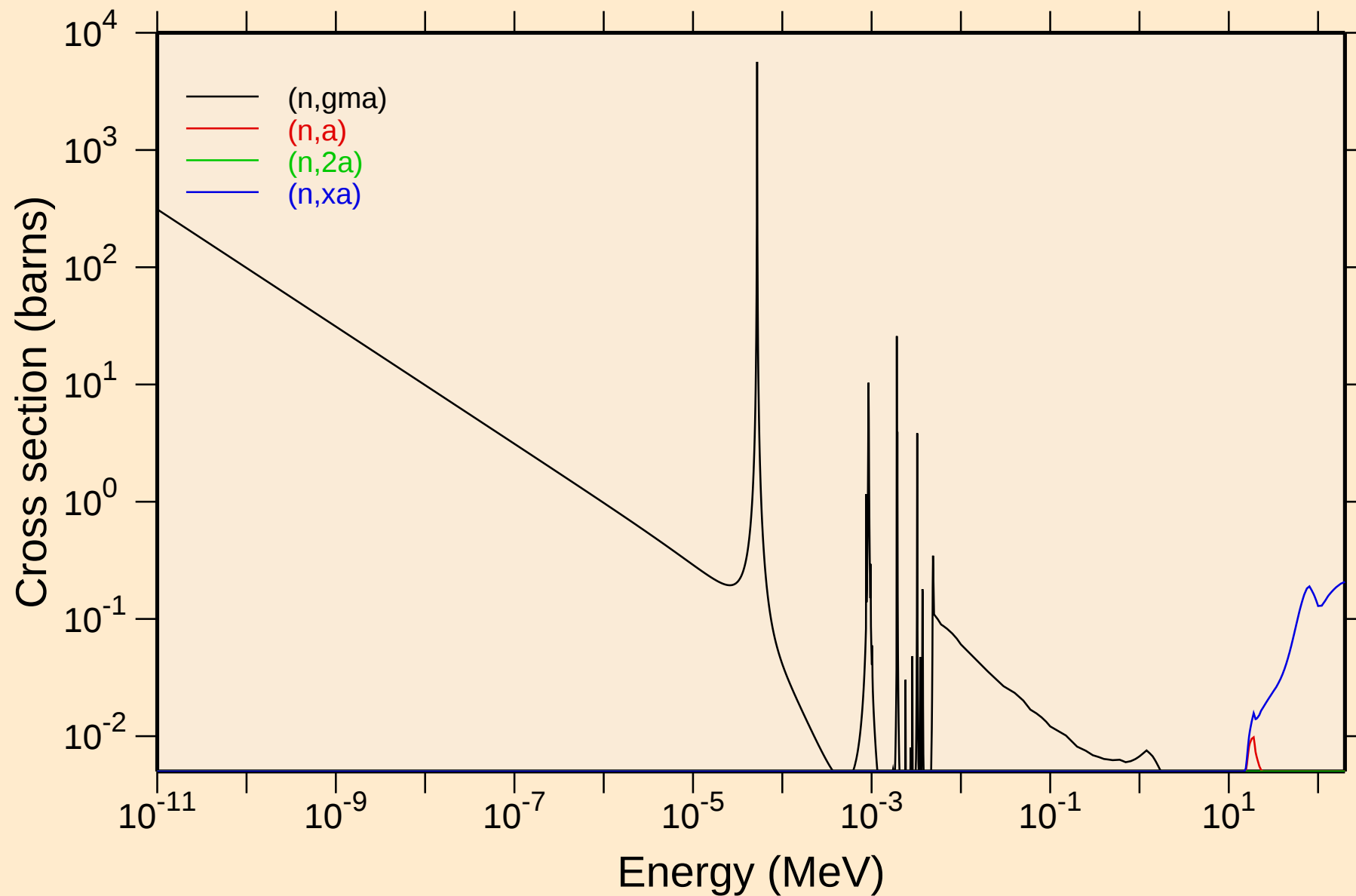
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage



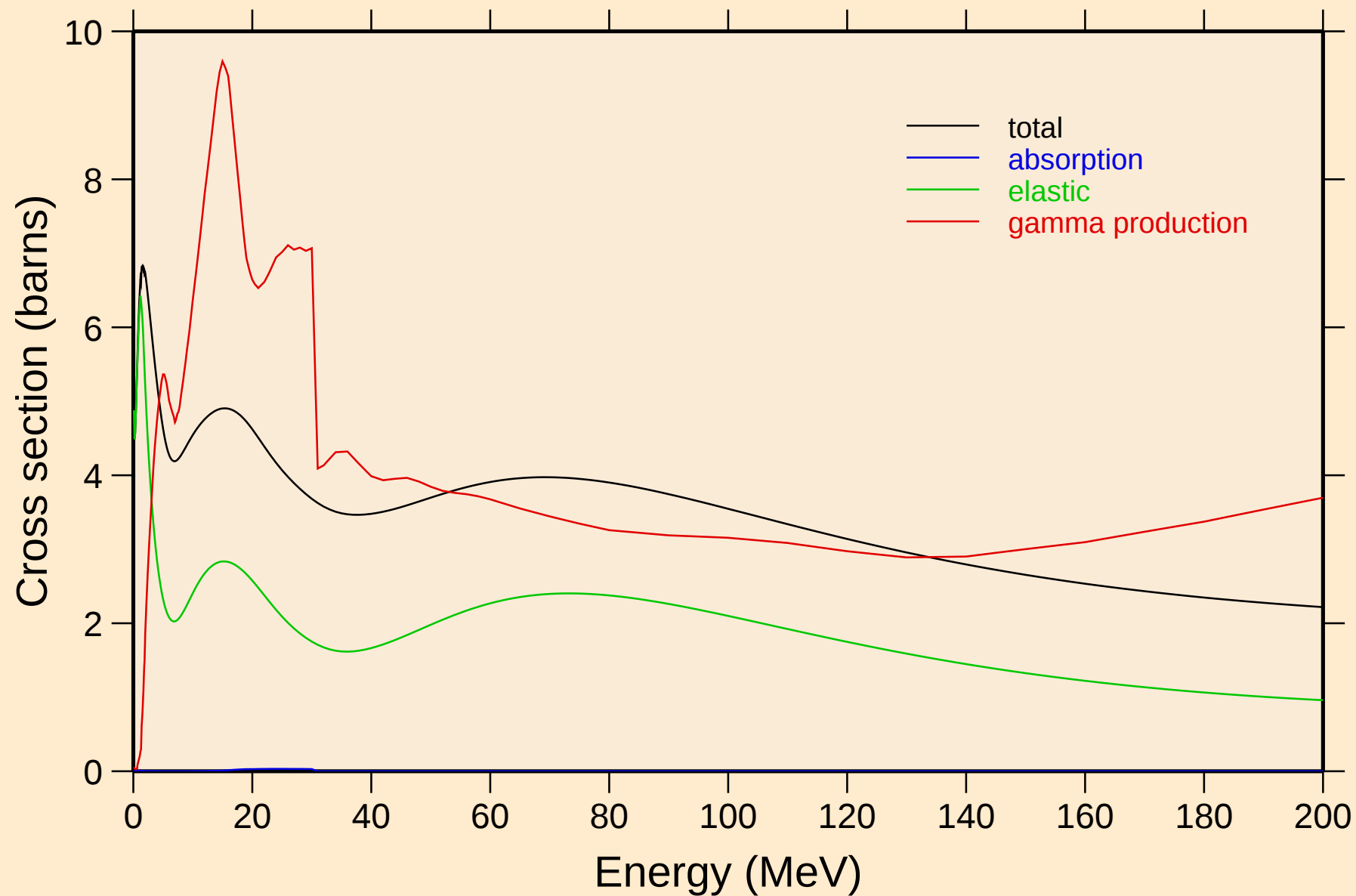
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



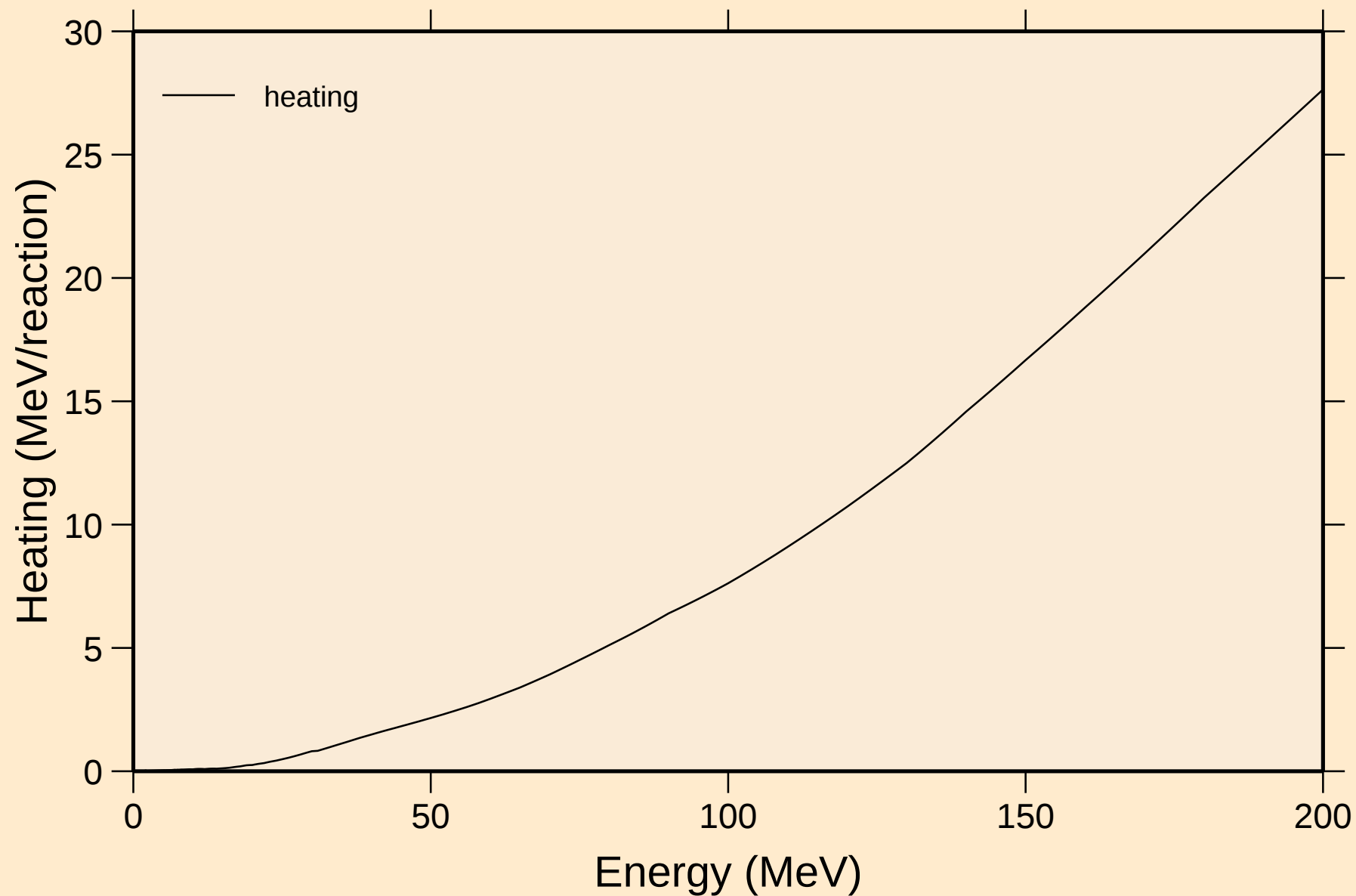
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



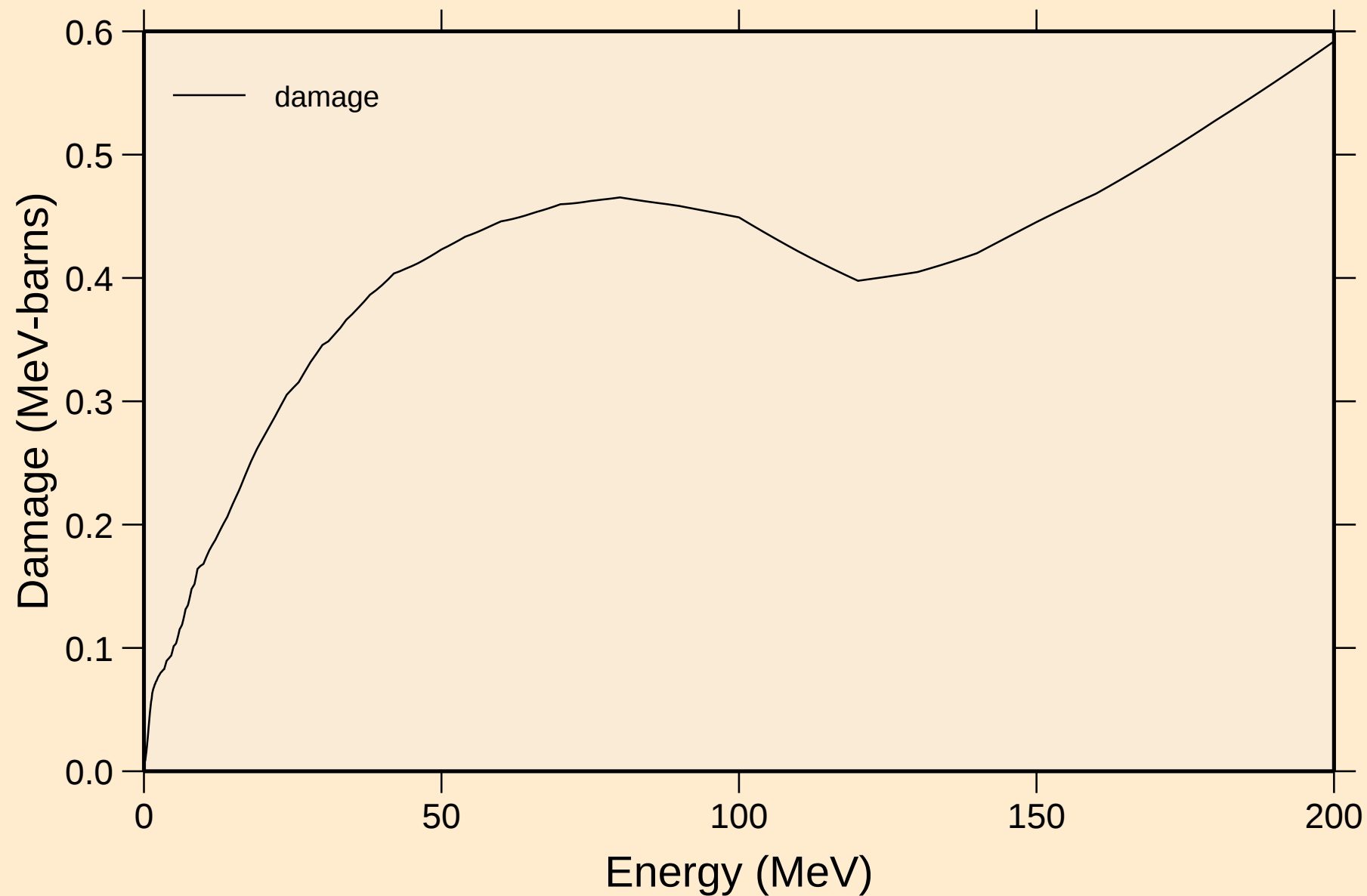
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

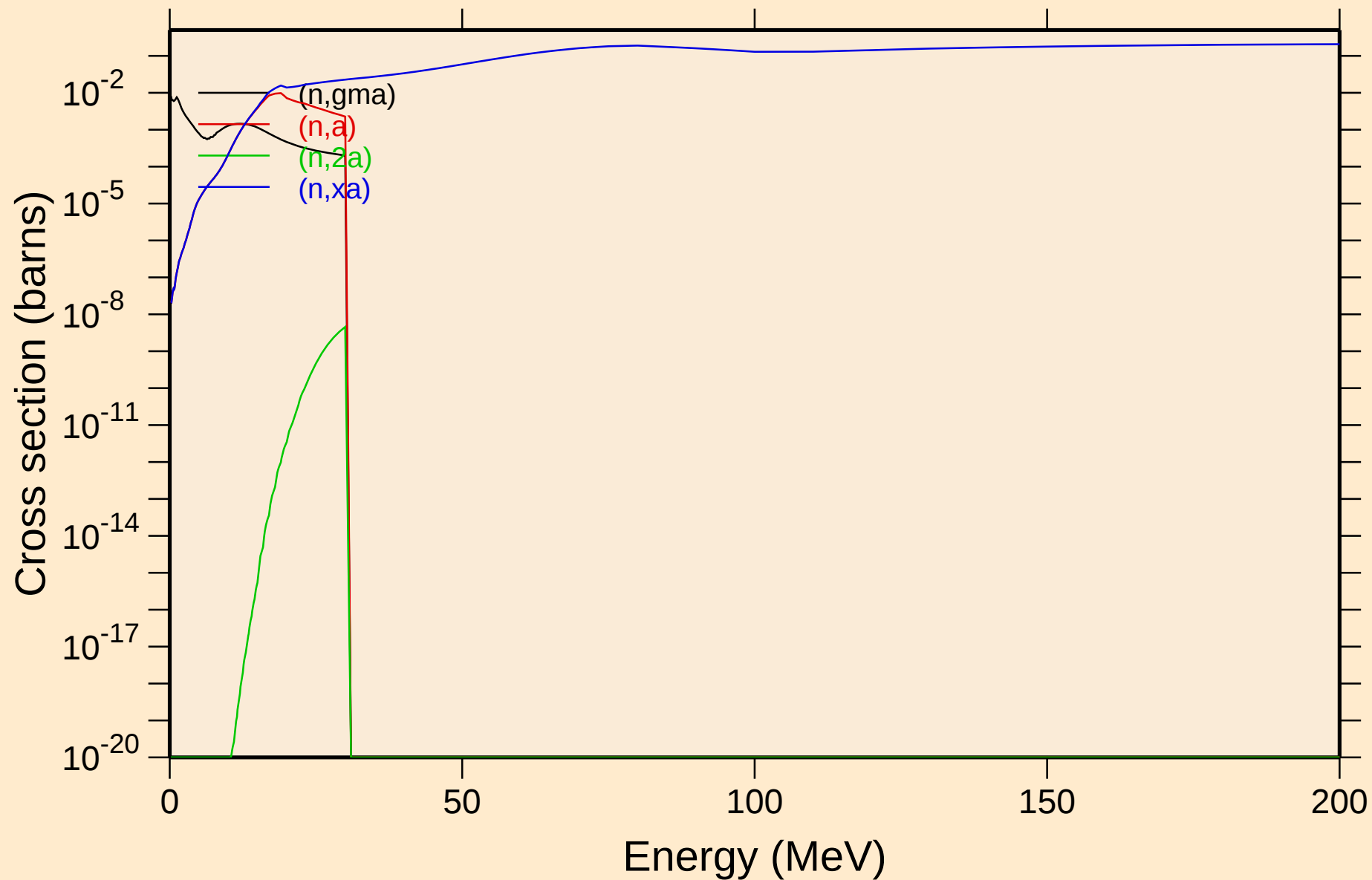


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

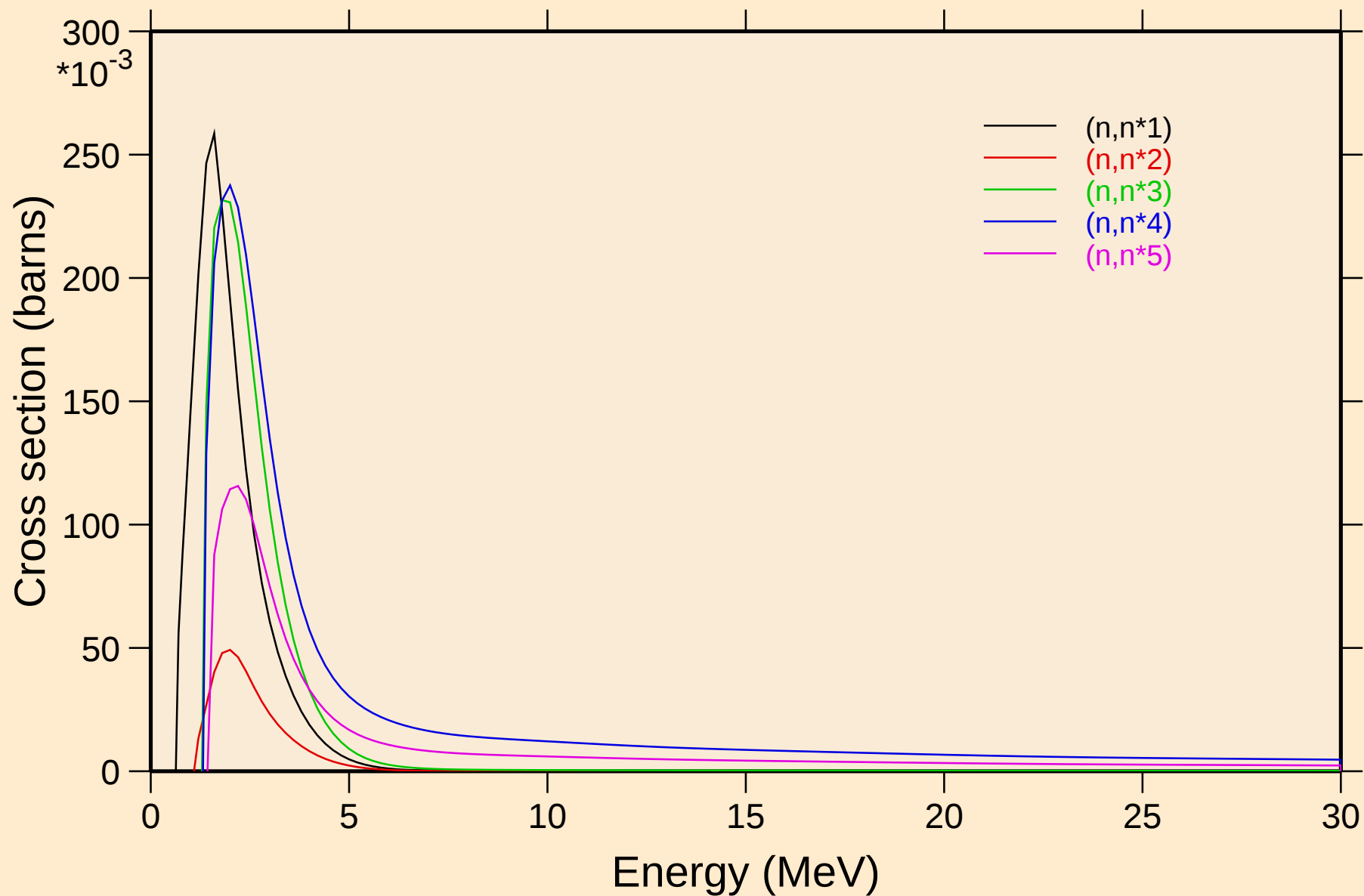


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

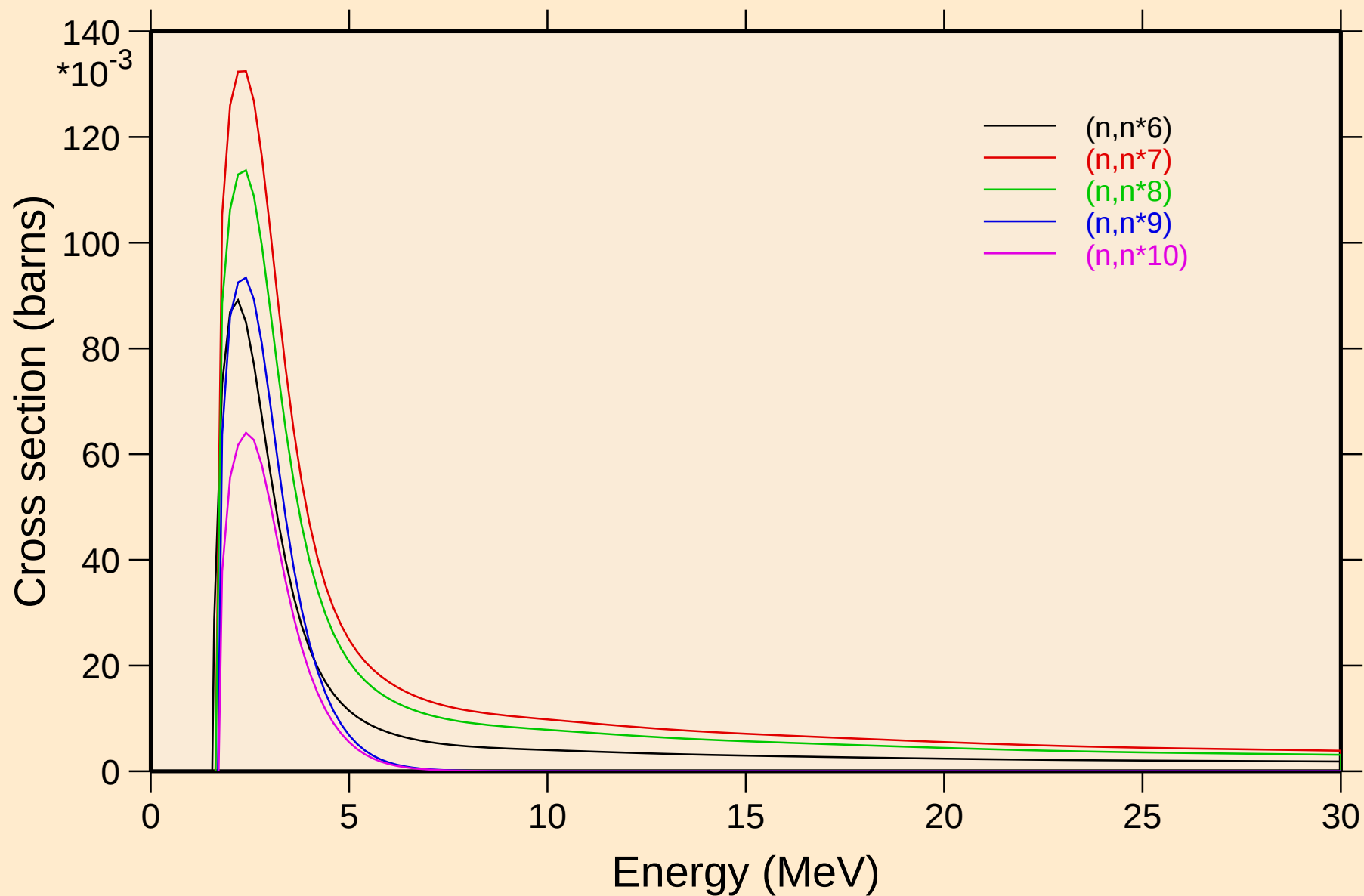


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

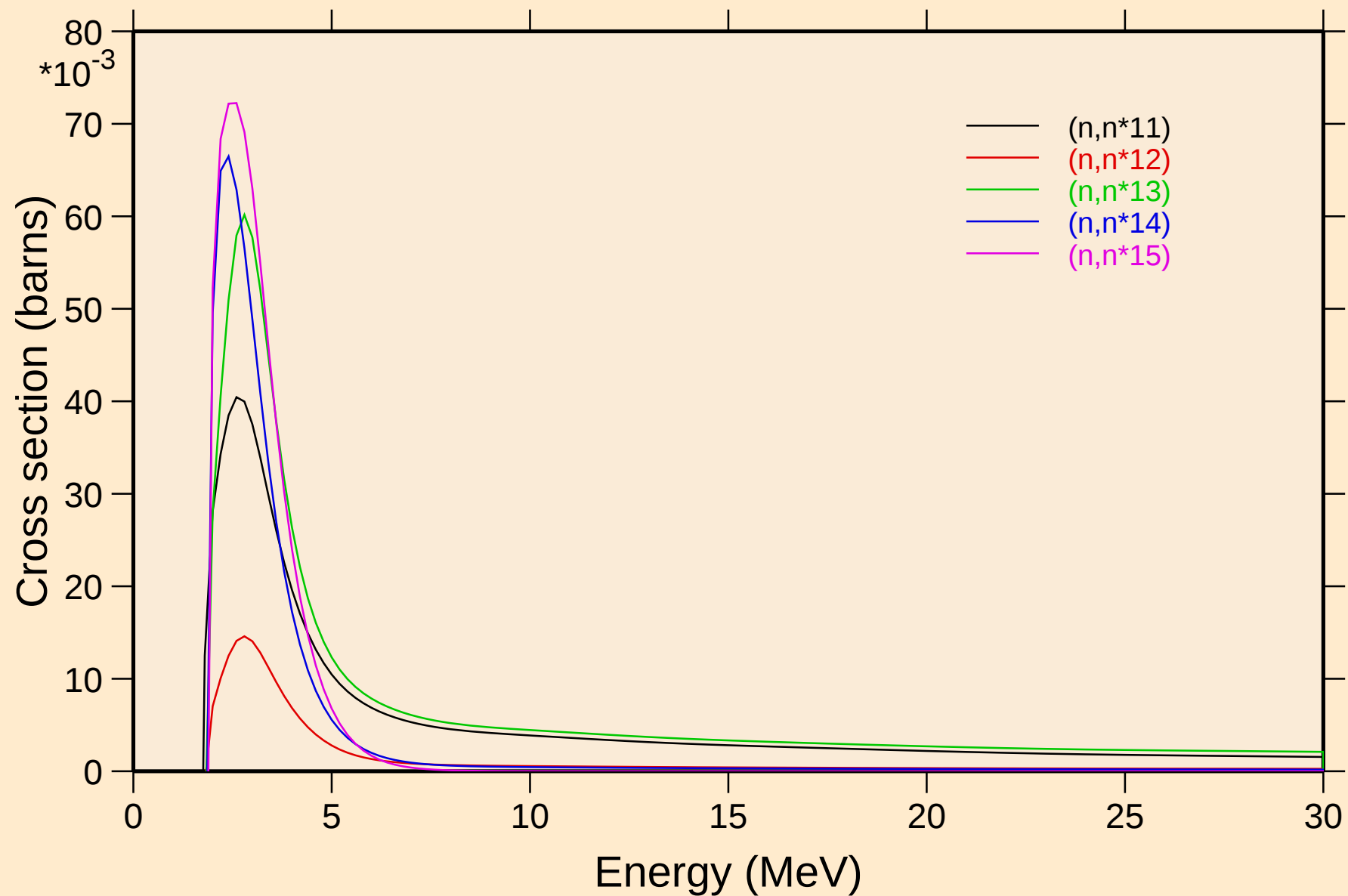


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



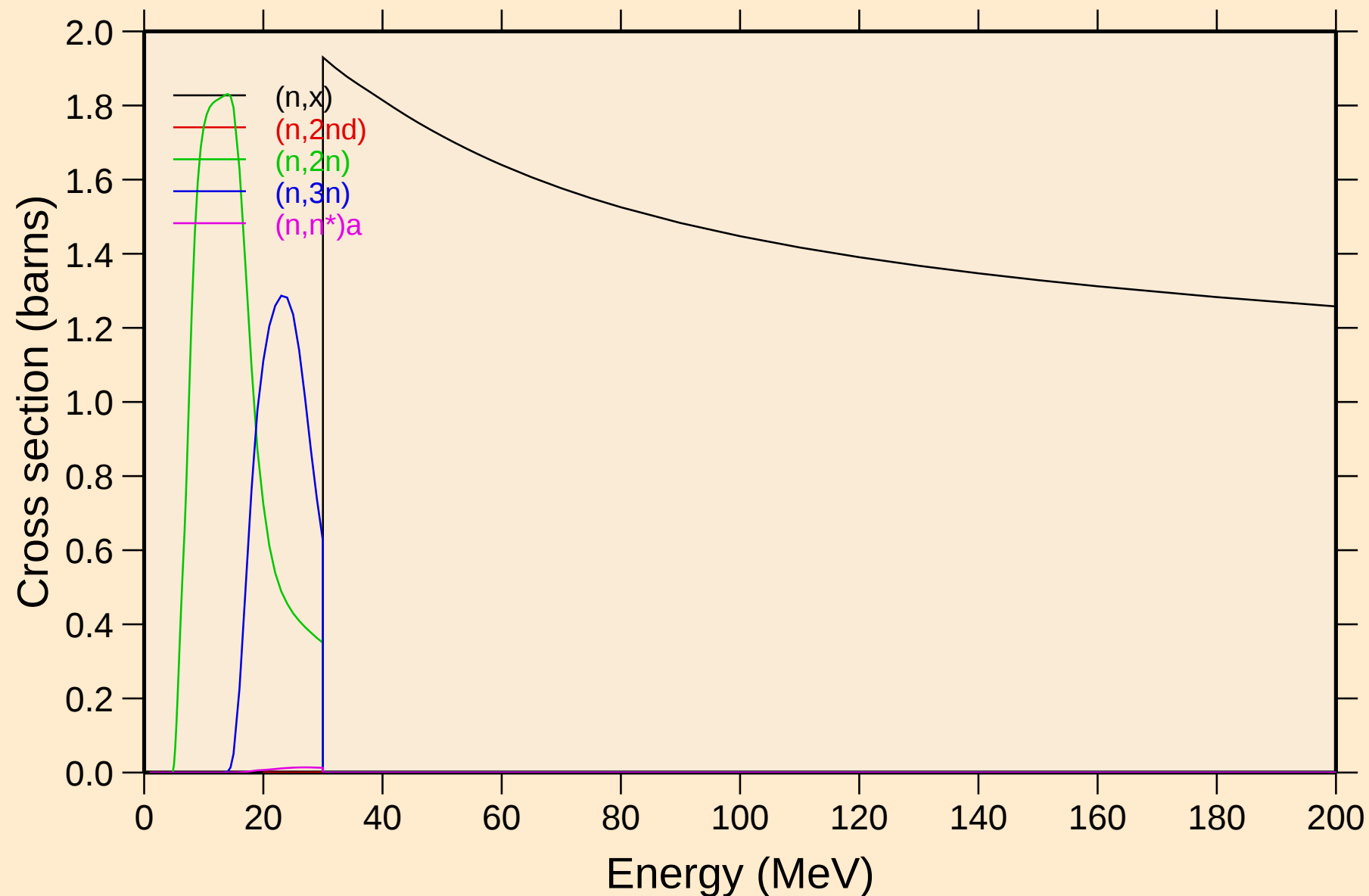
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



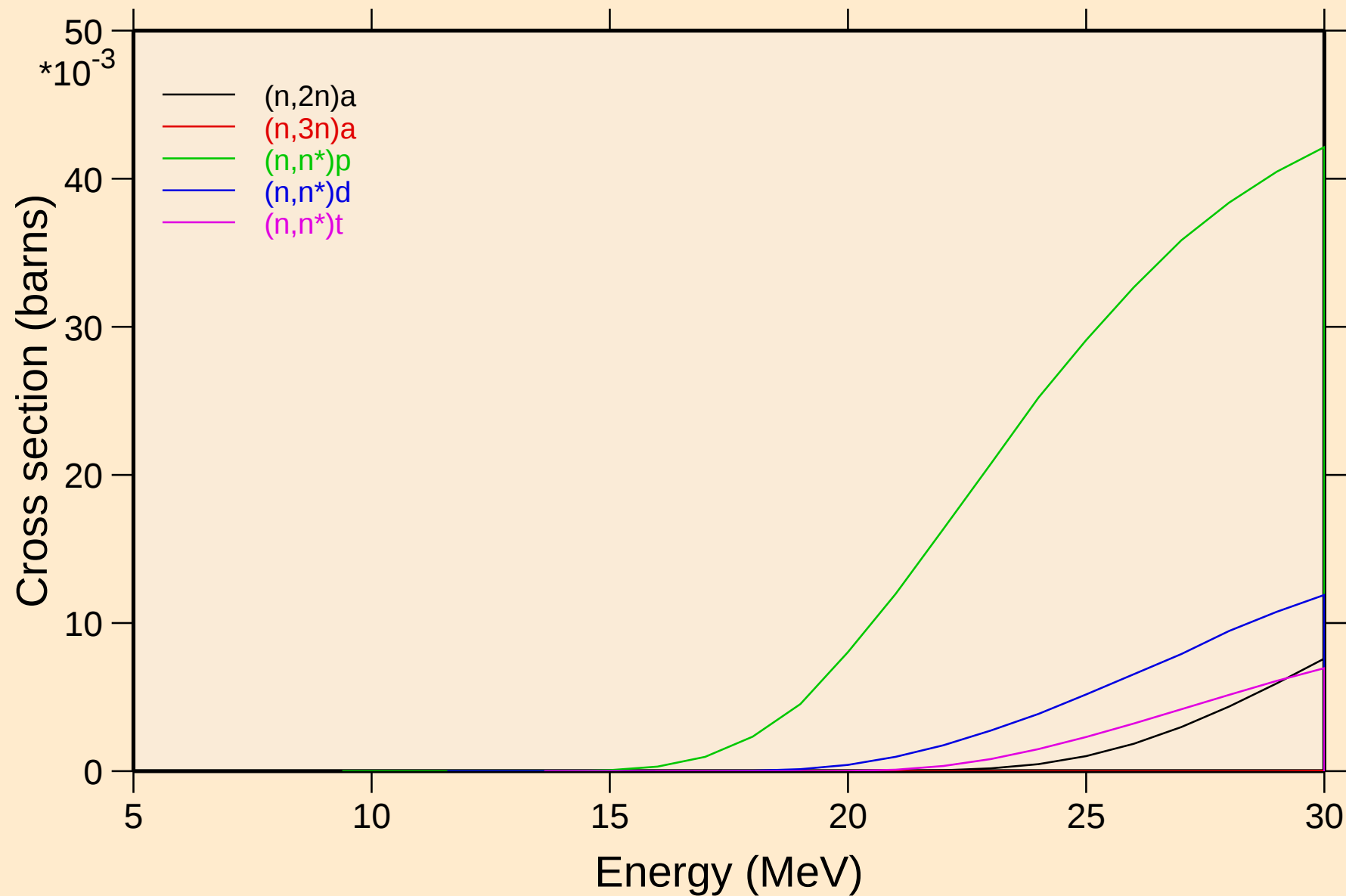
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



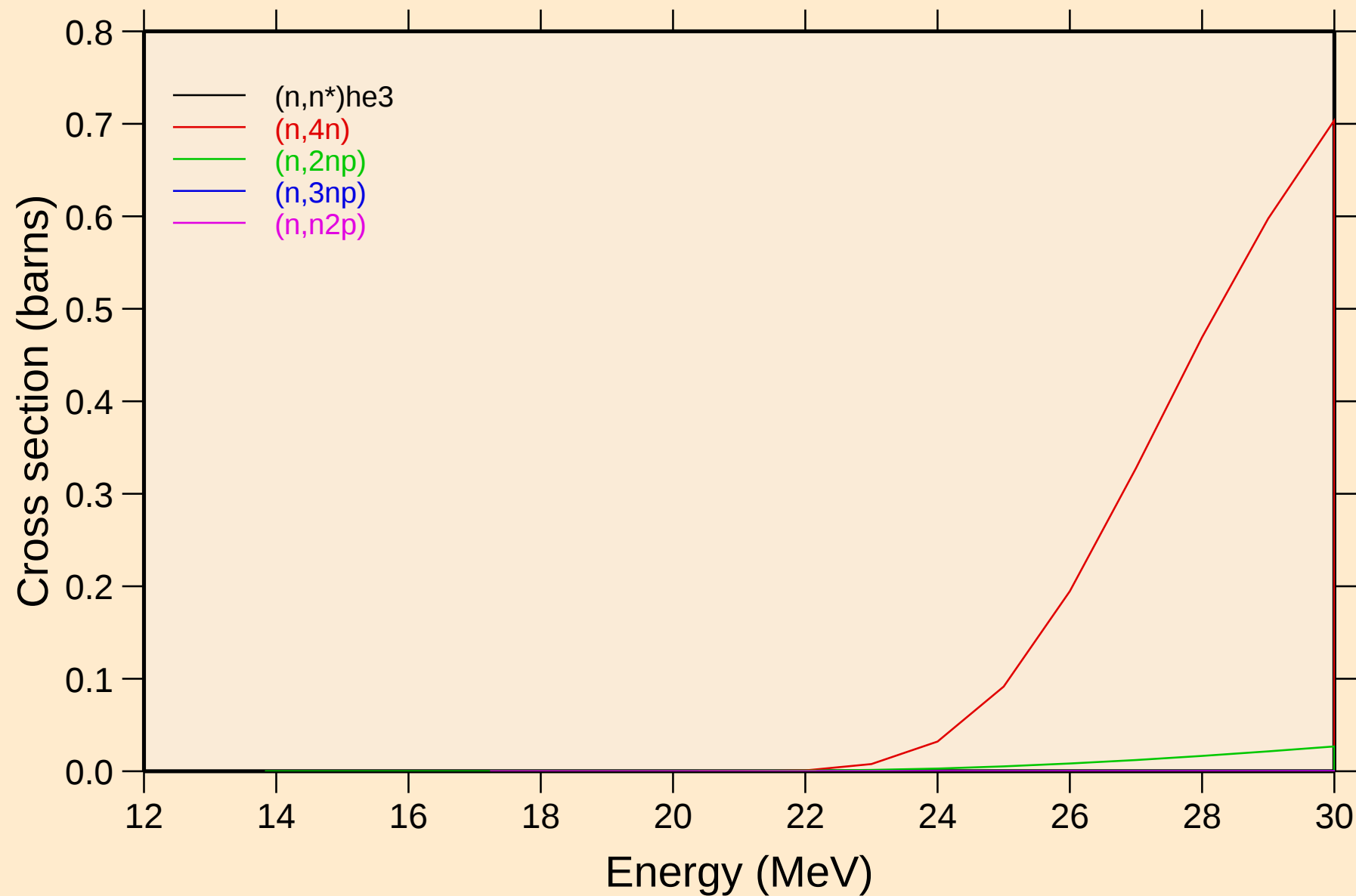
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

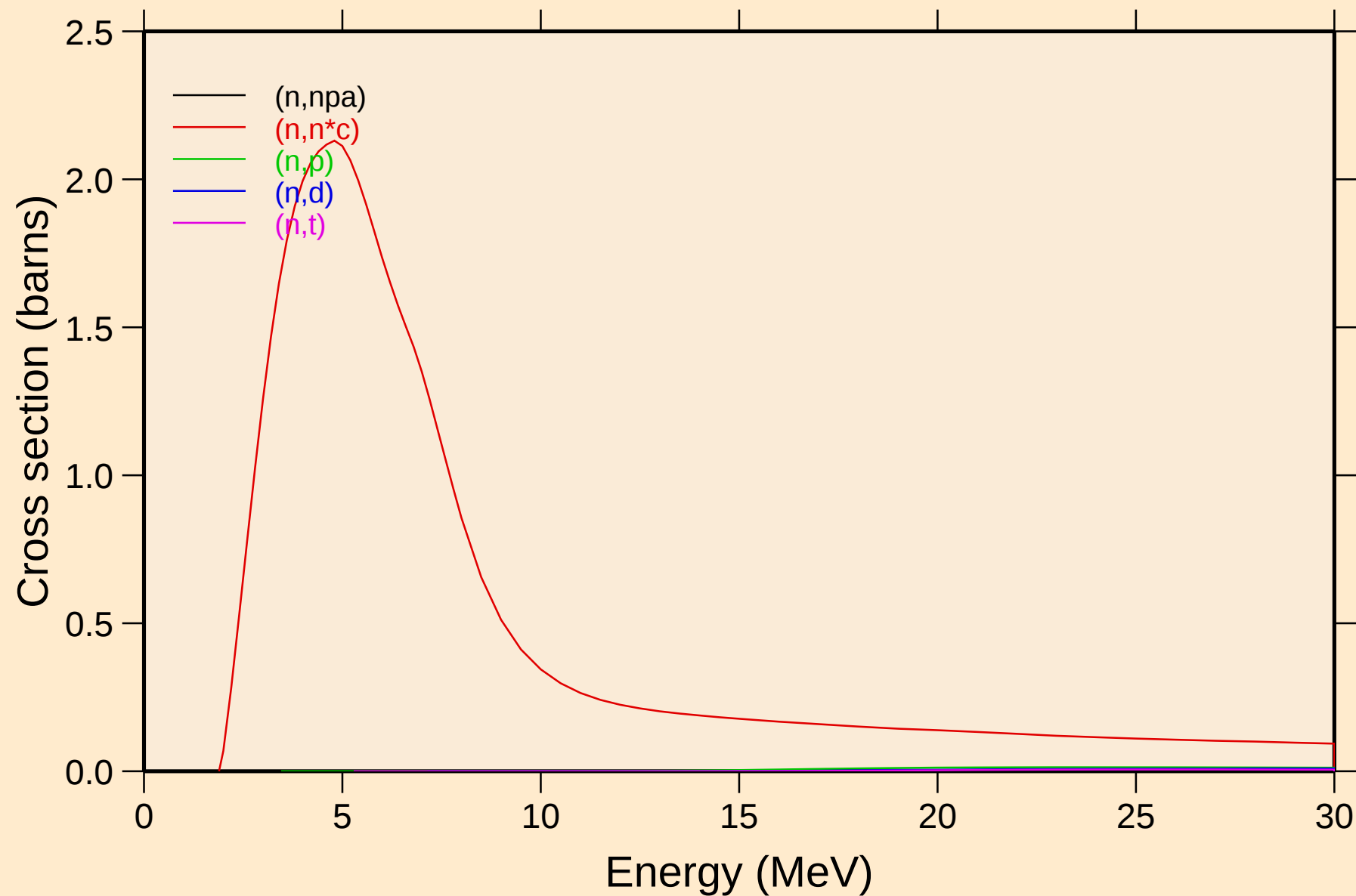


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

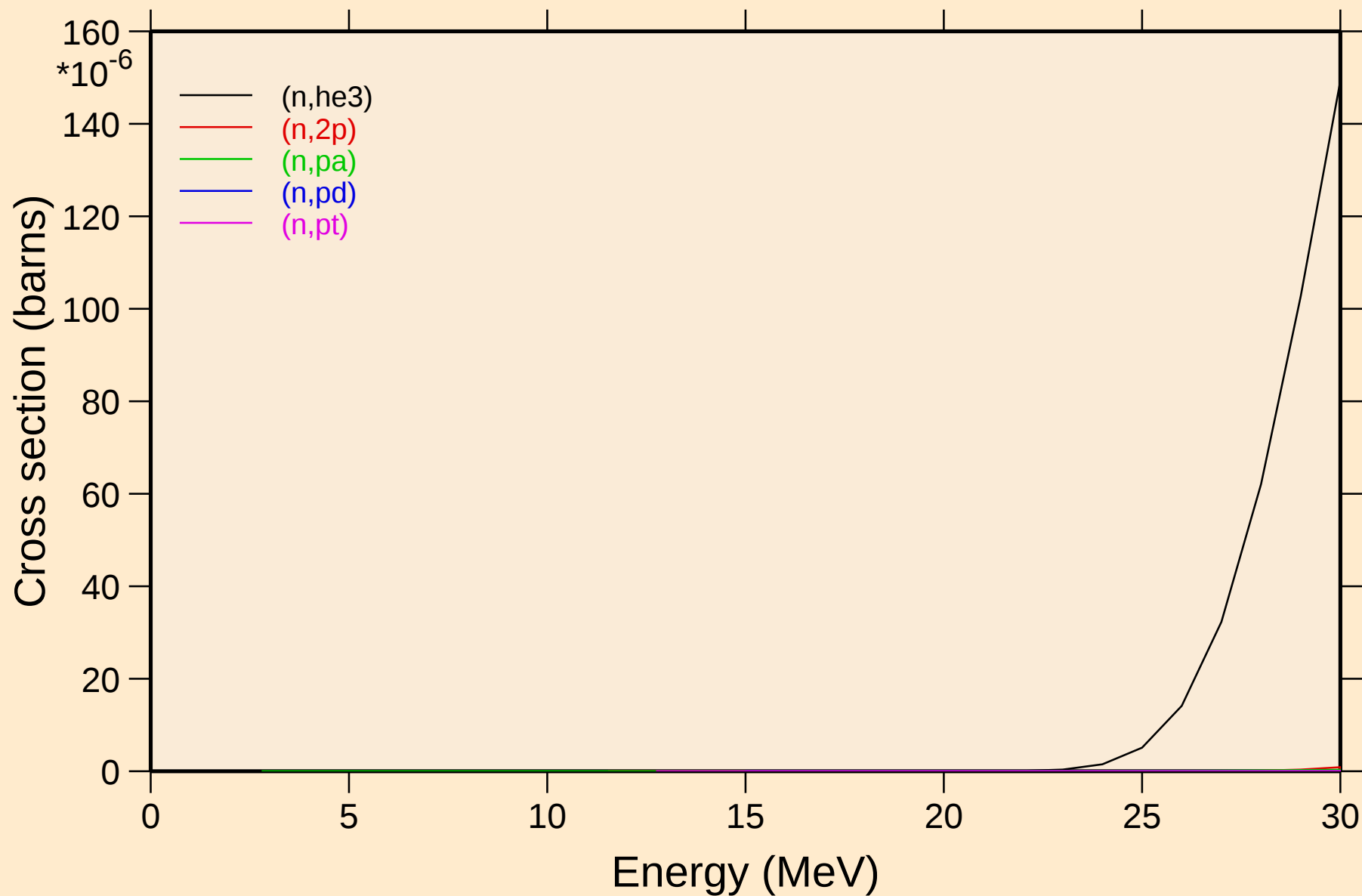


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



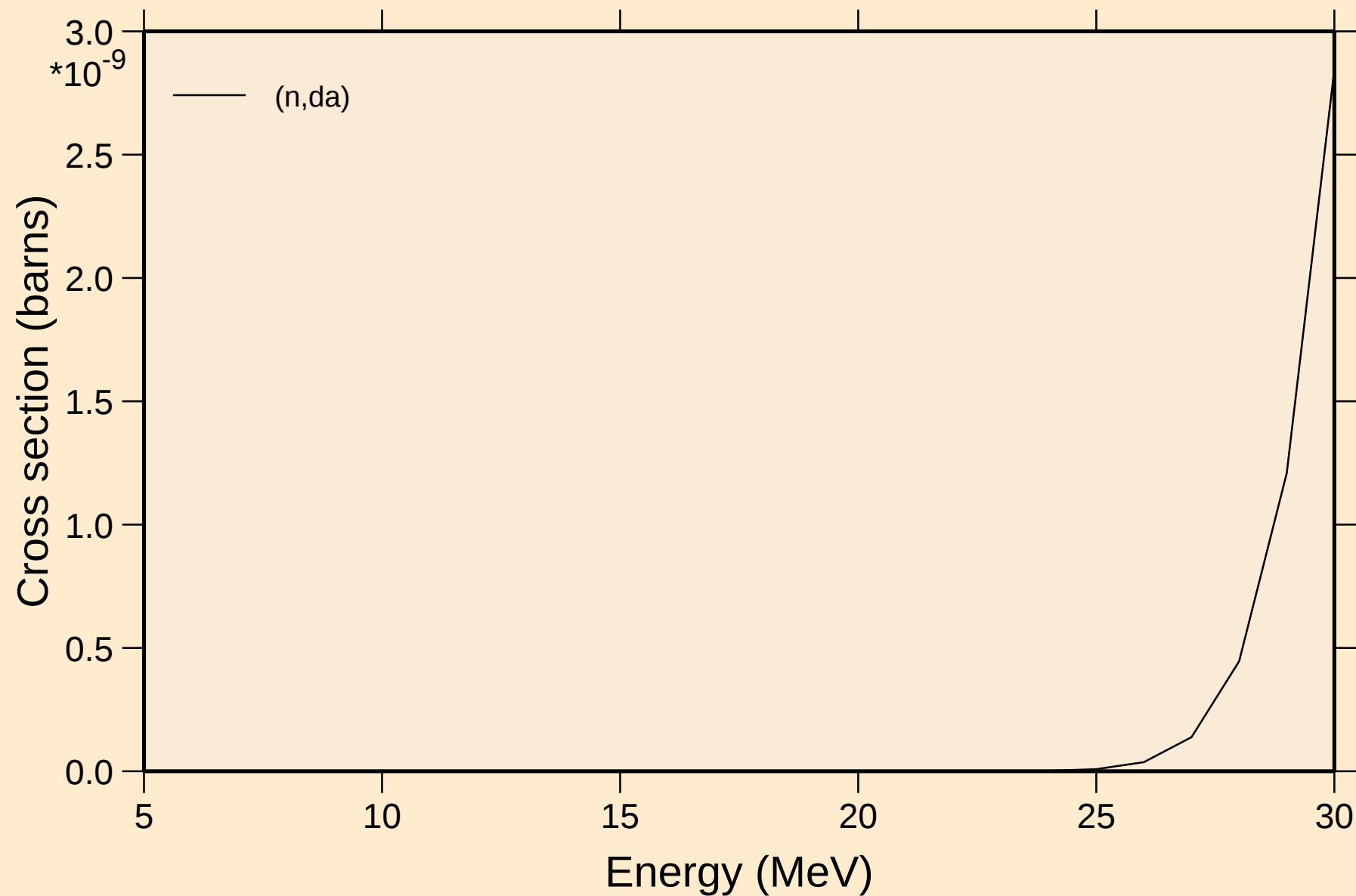
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



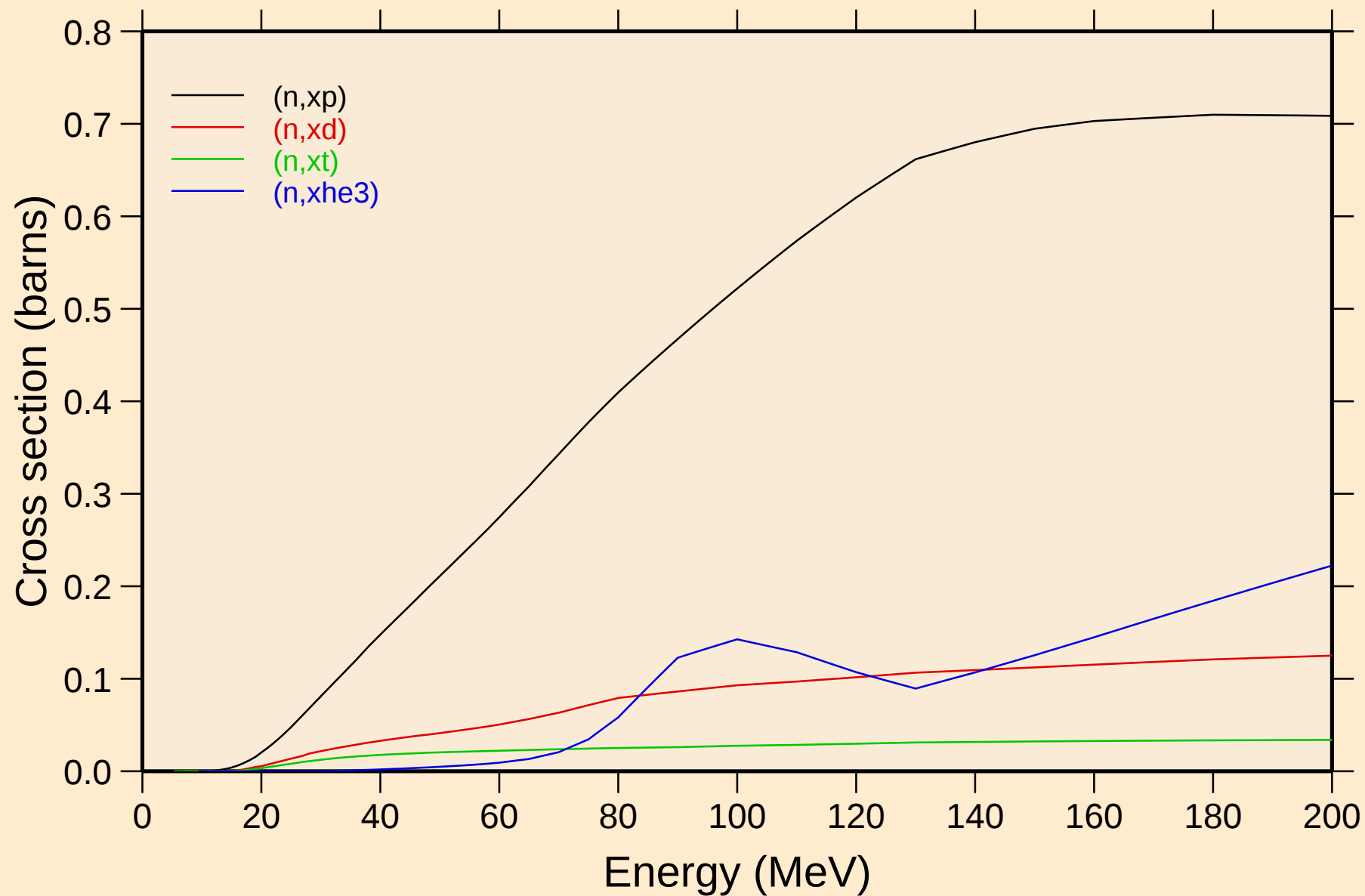
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

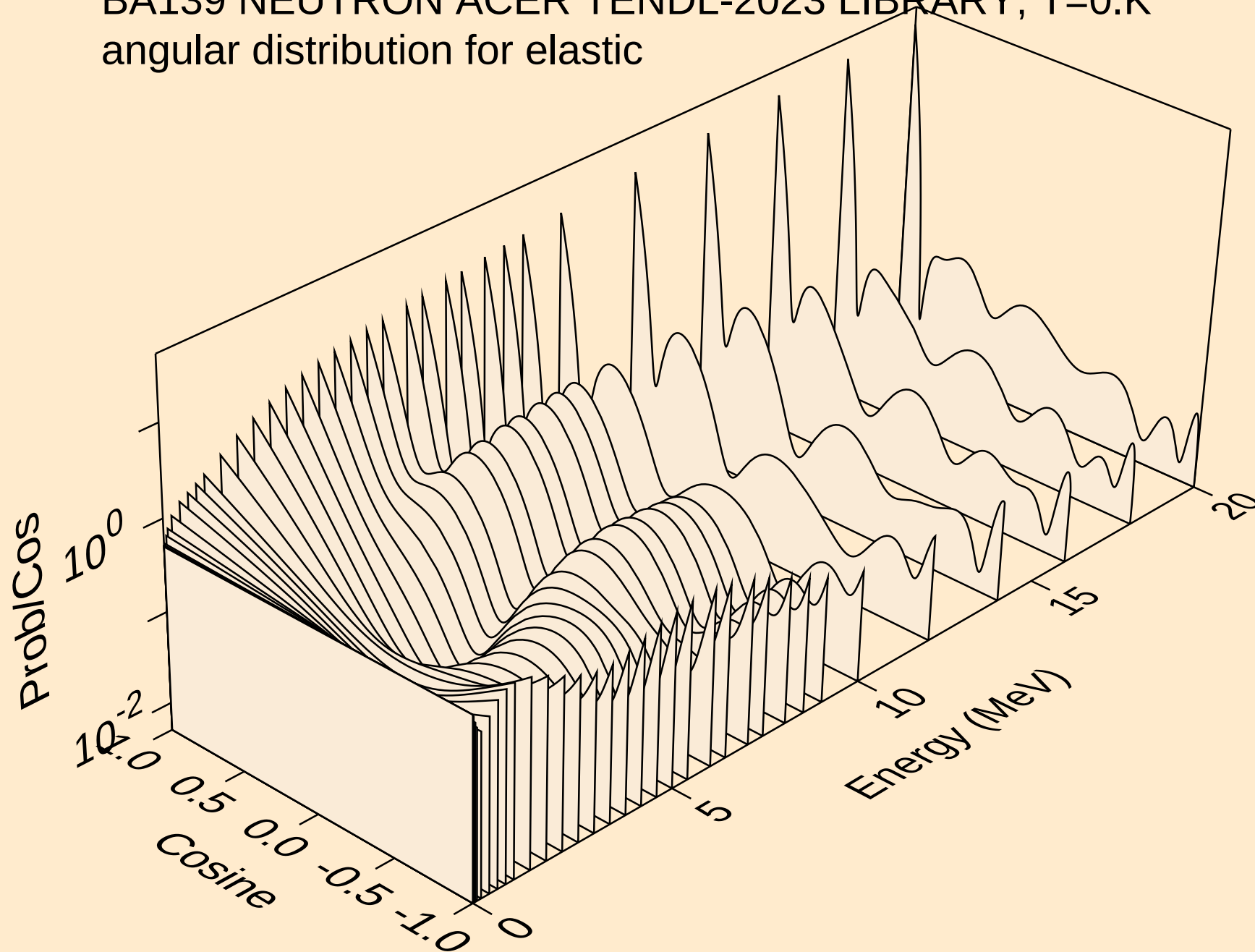


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

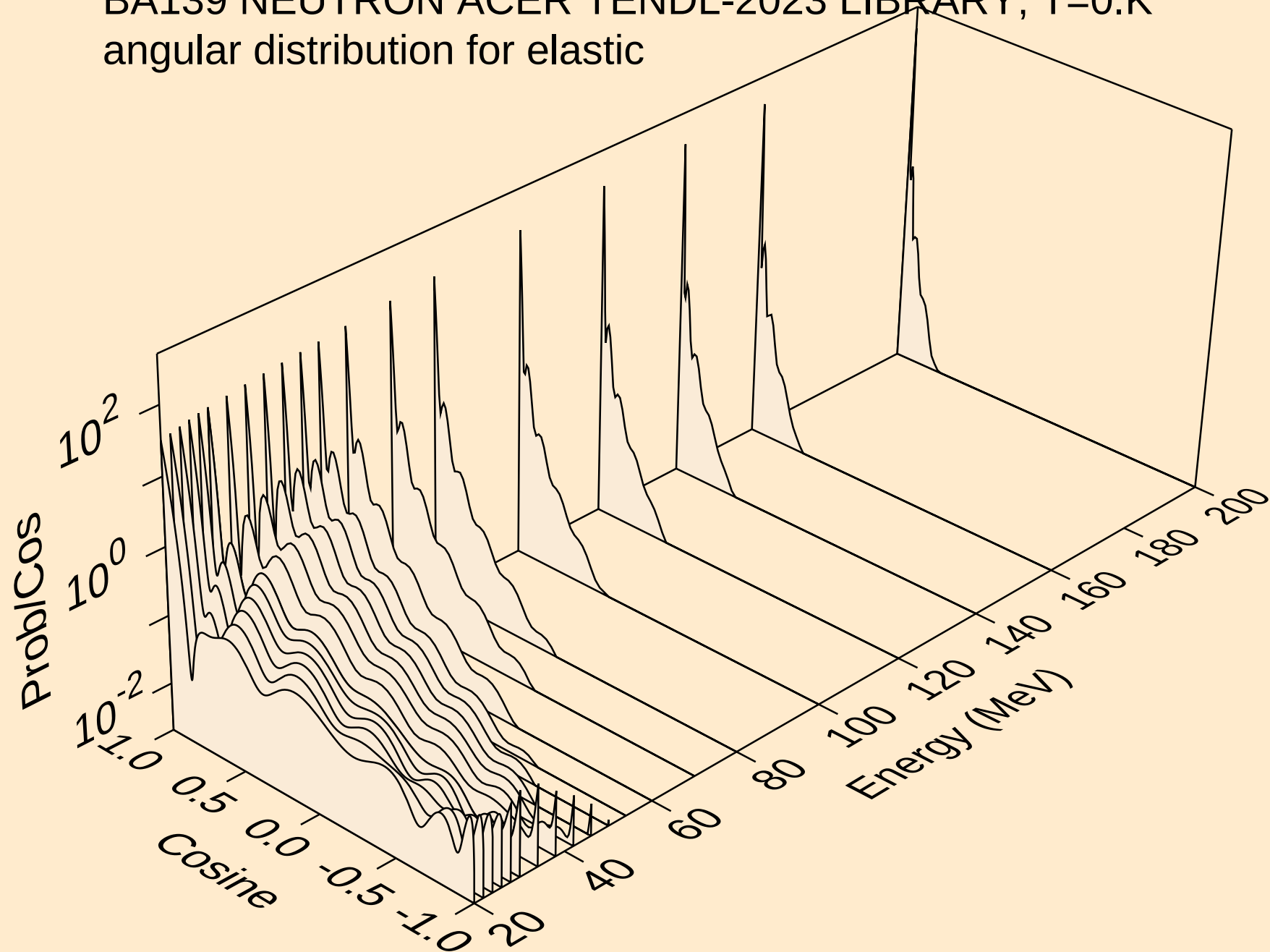
Threshold reactions



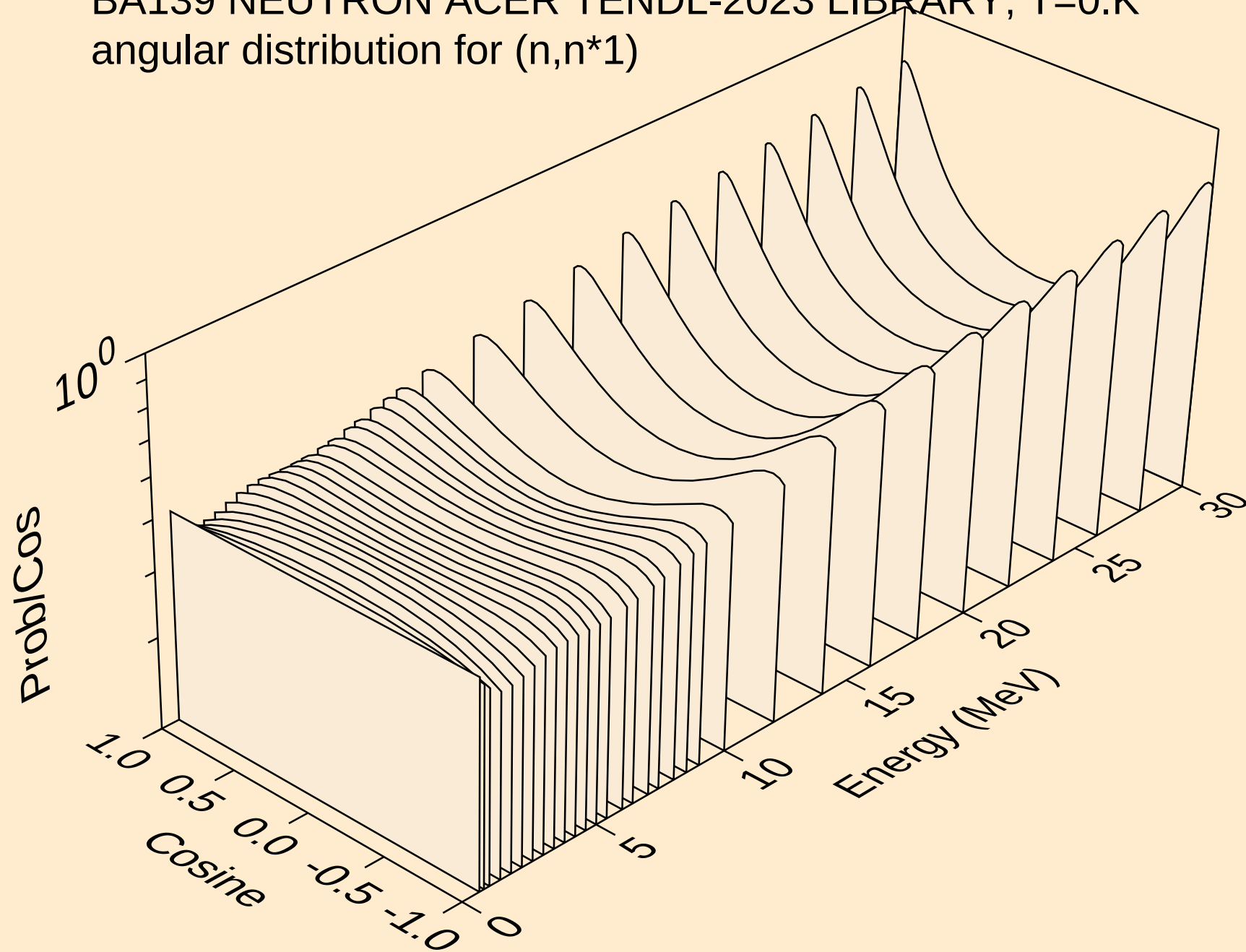
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



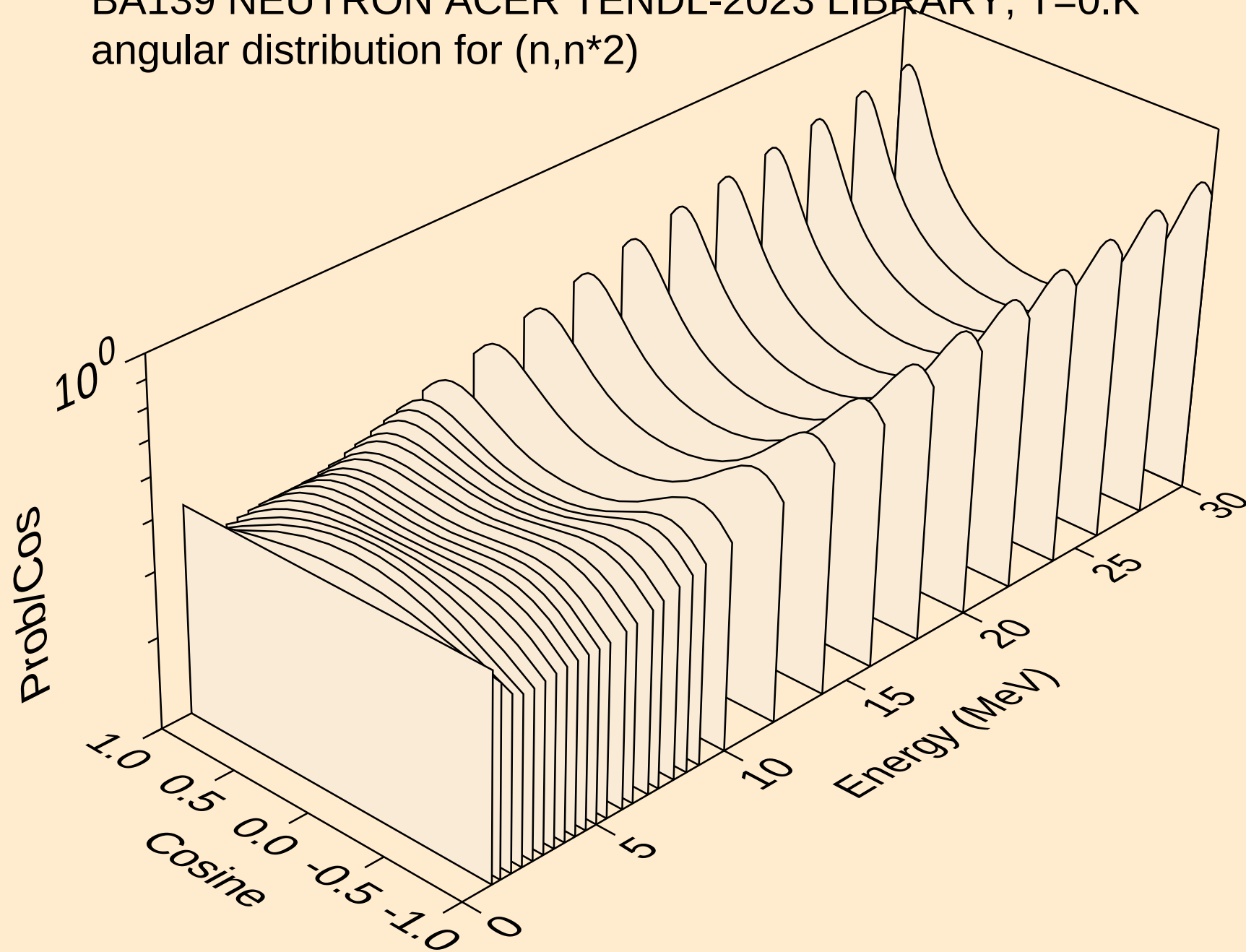
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



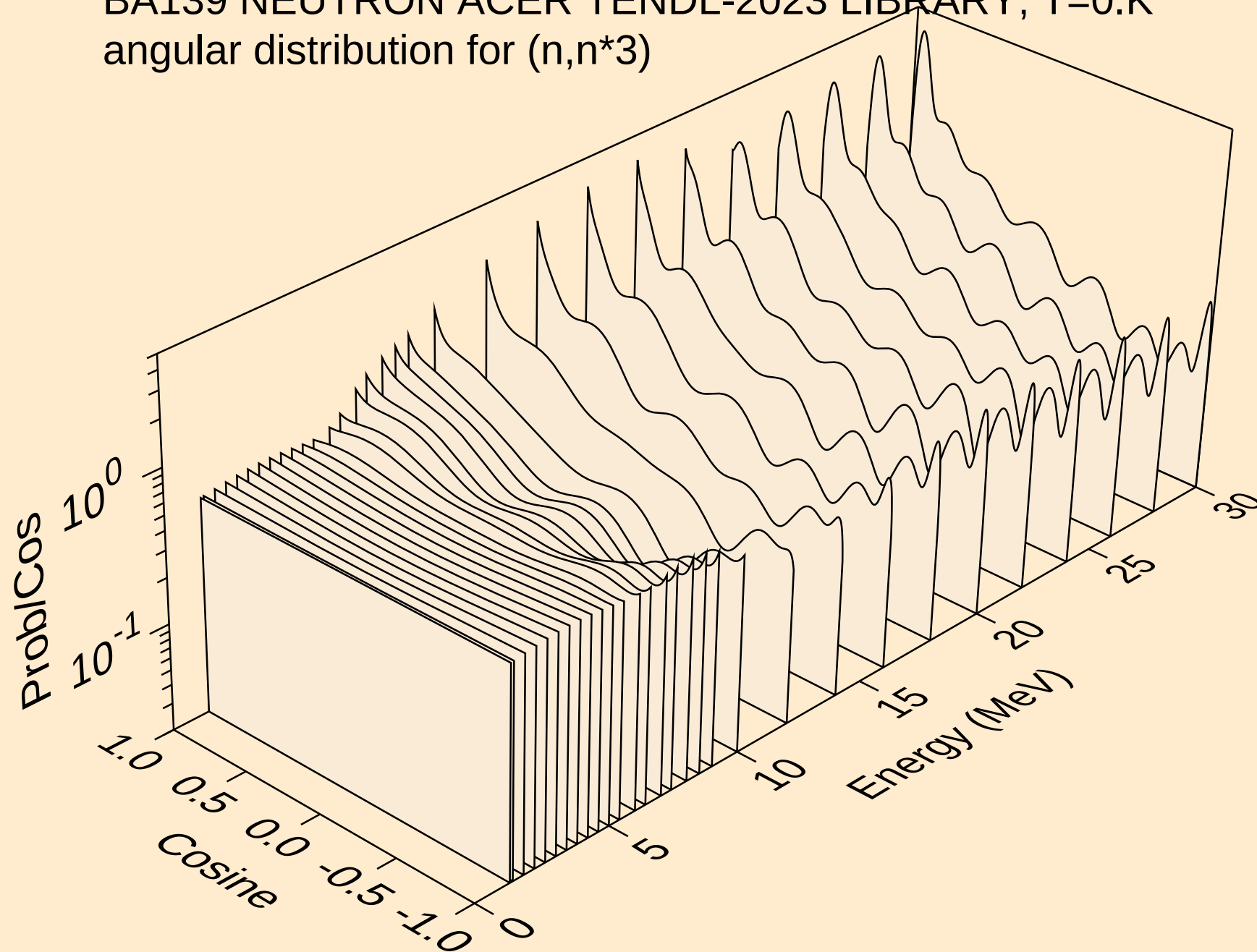
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



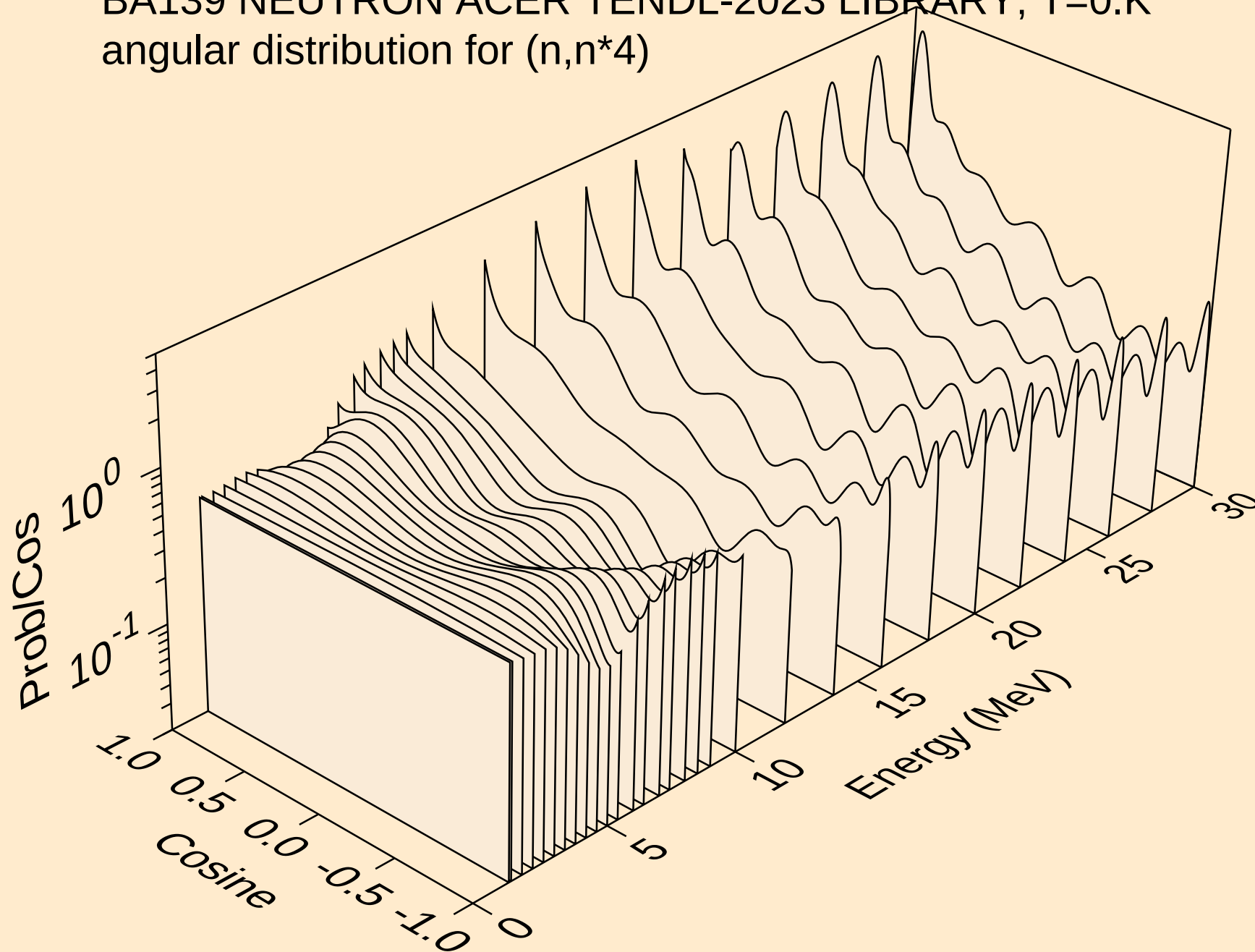
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



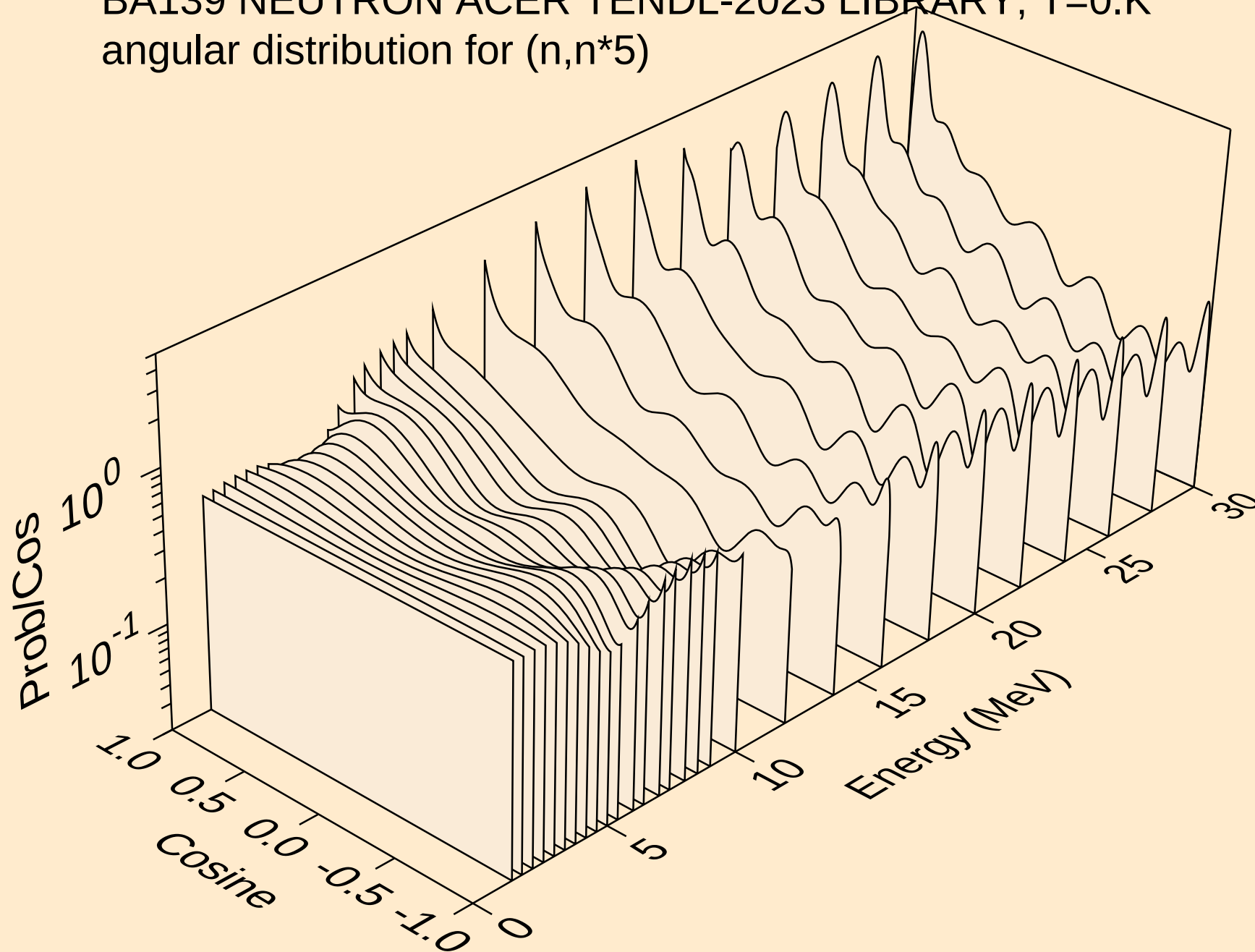
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



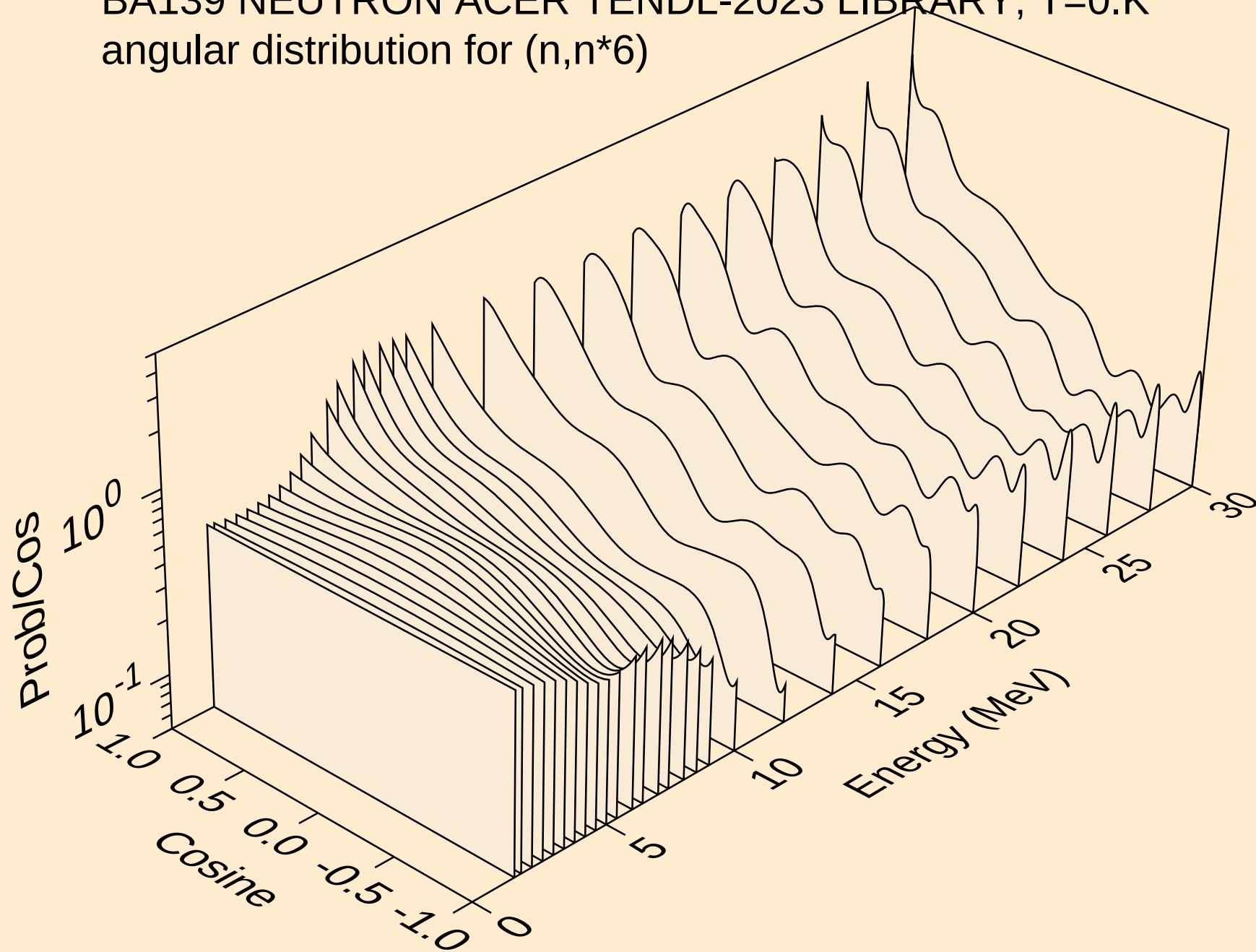
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angular distribution for (n,n*4)



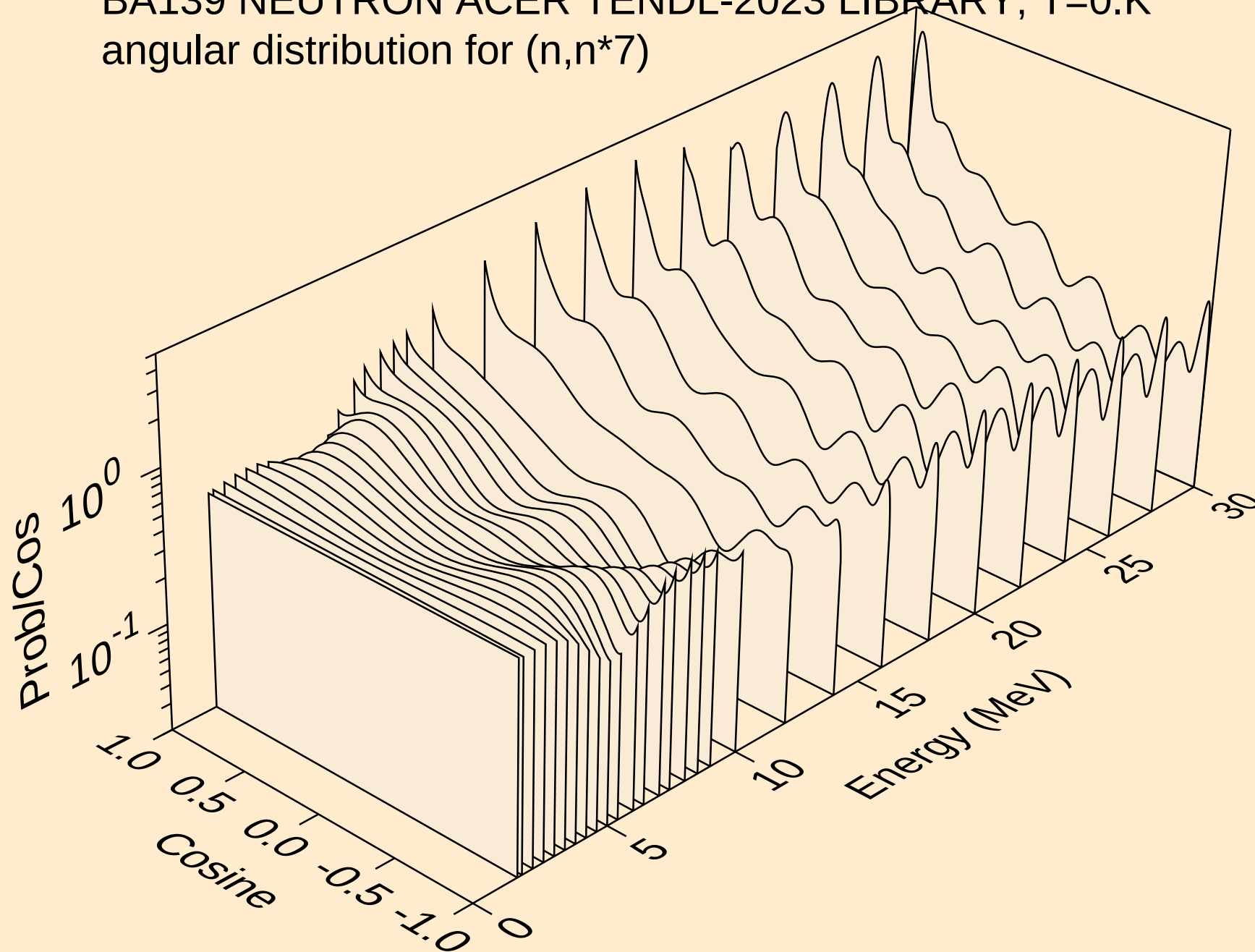
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



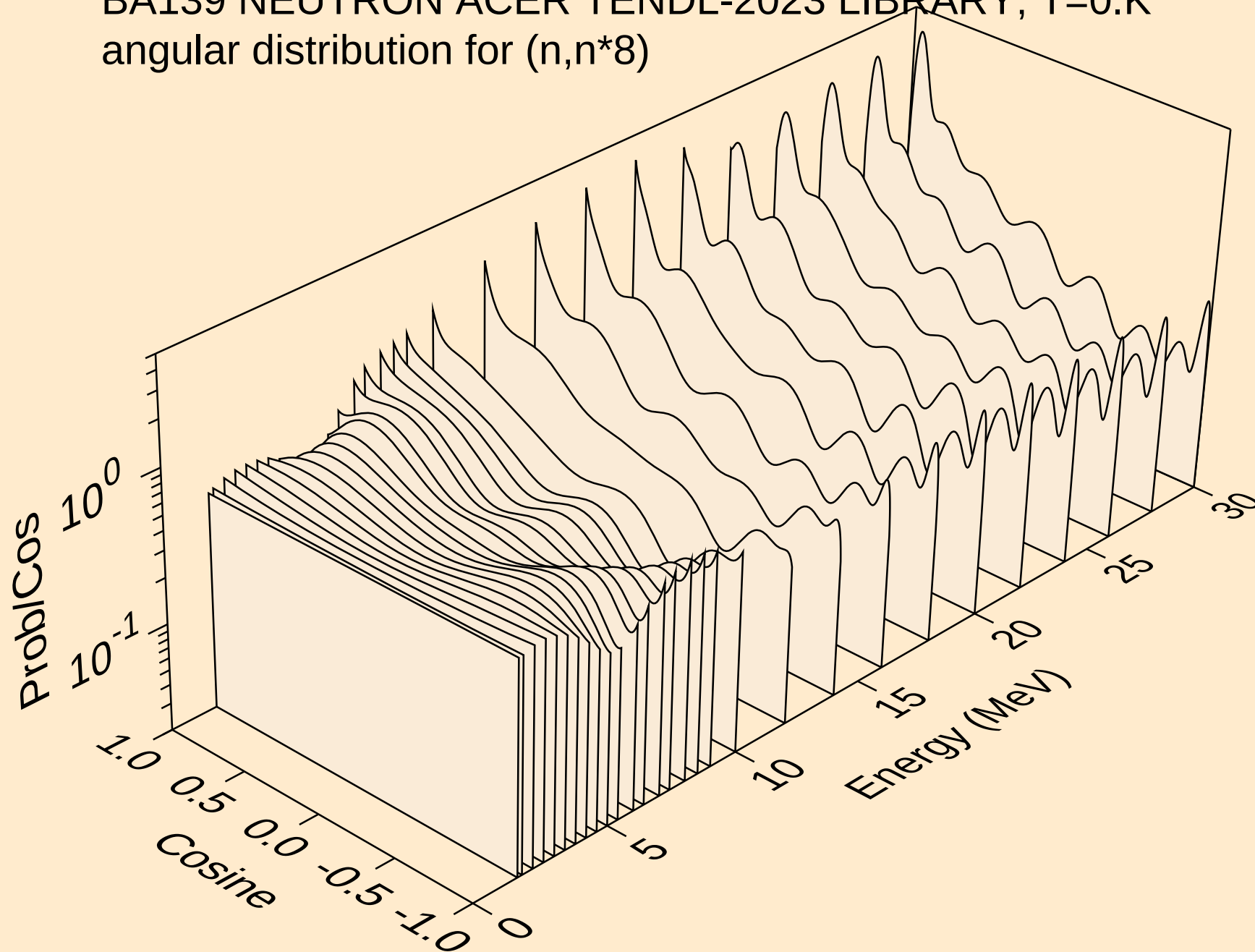
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angular distribution for (n,n*6)



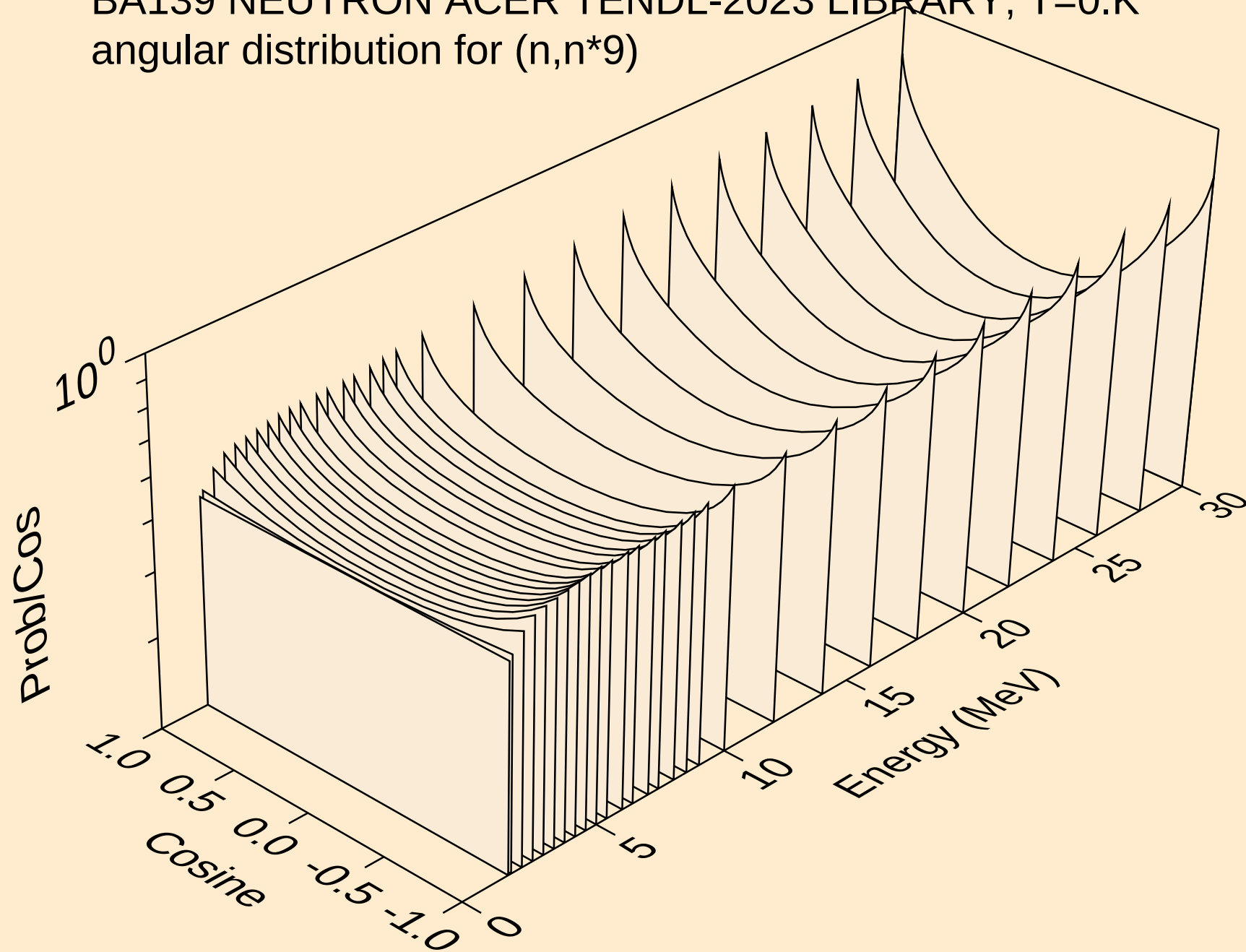
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angular distribution for (n,n*7)



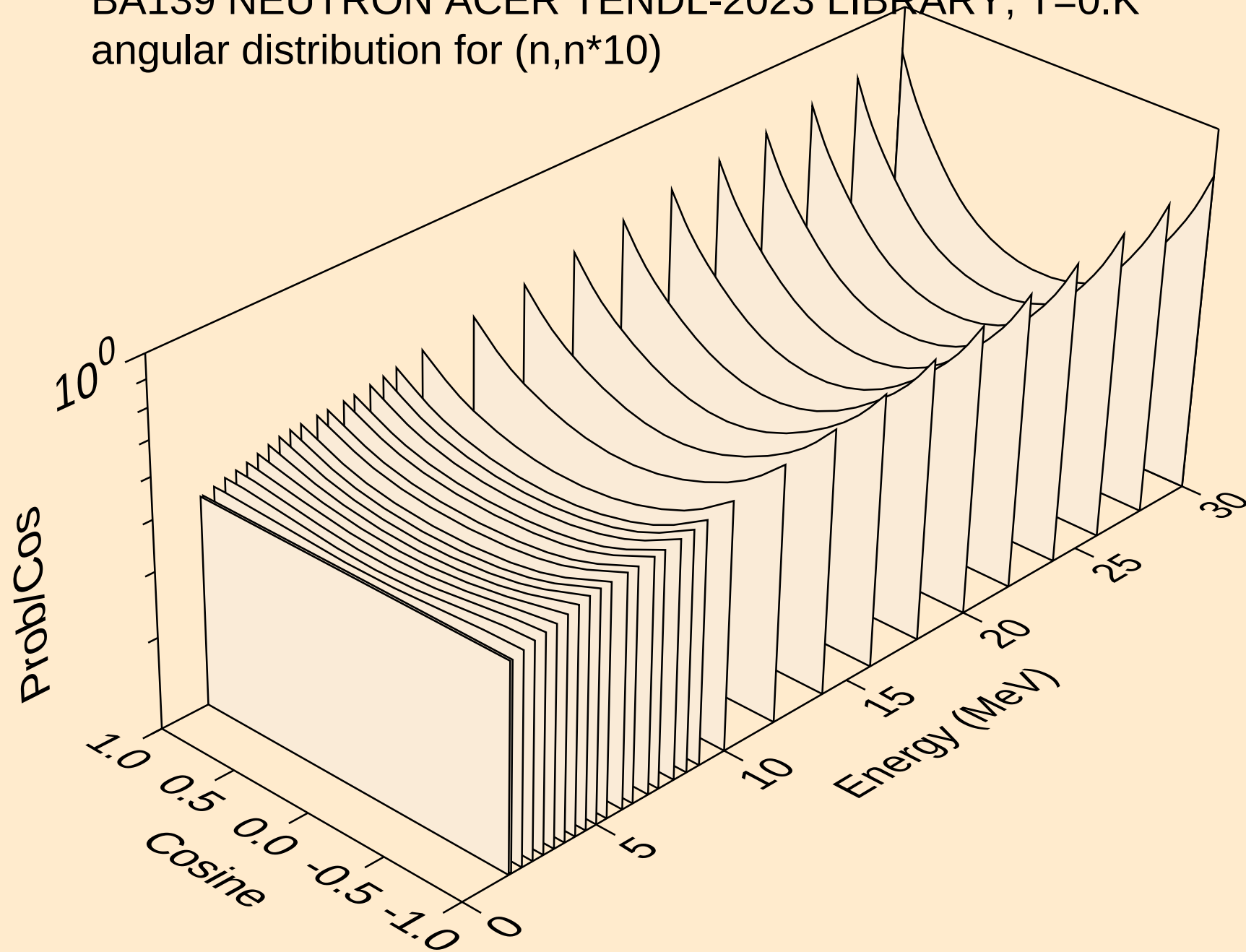
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angular distribution for (n,n*8)



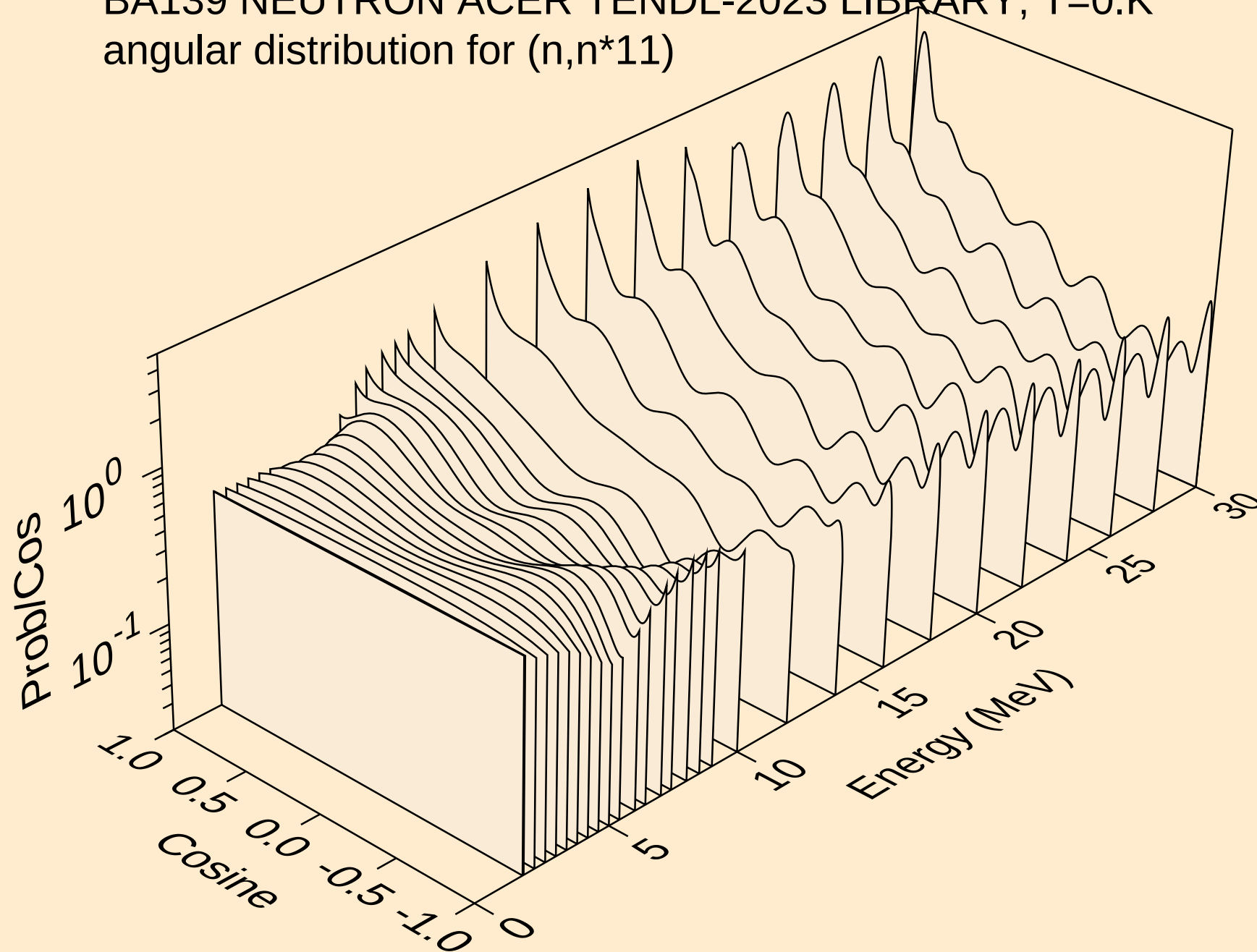
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



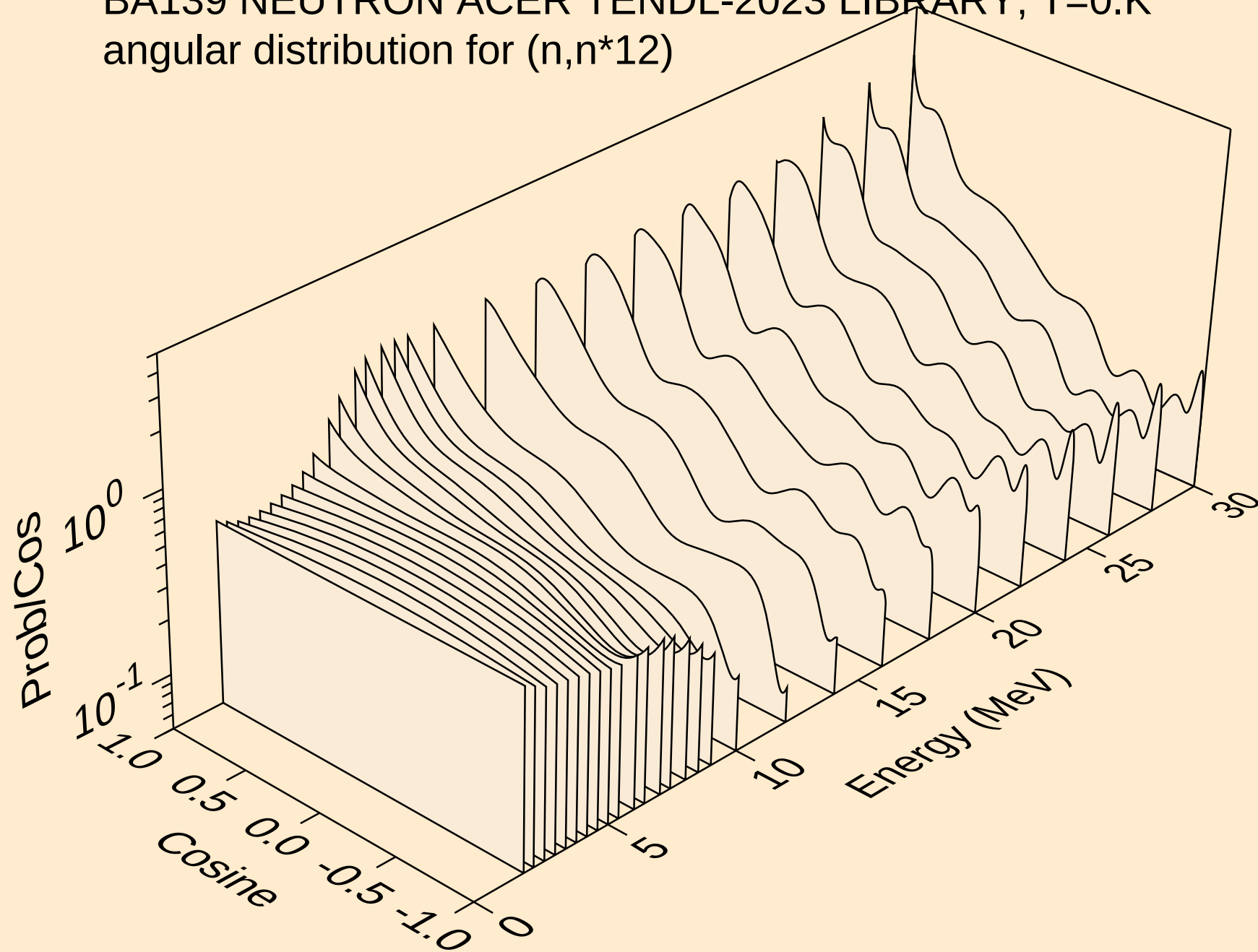
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



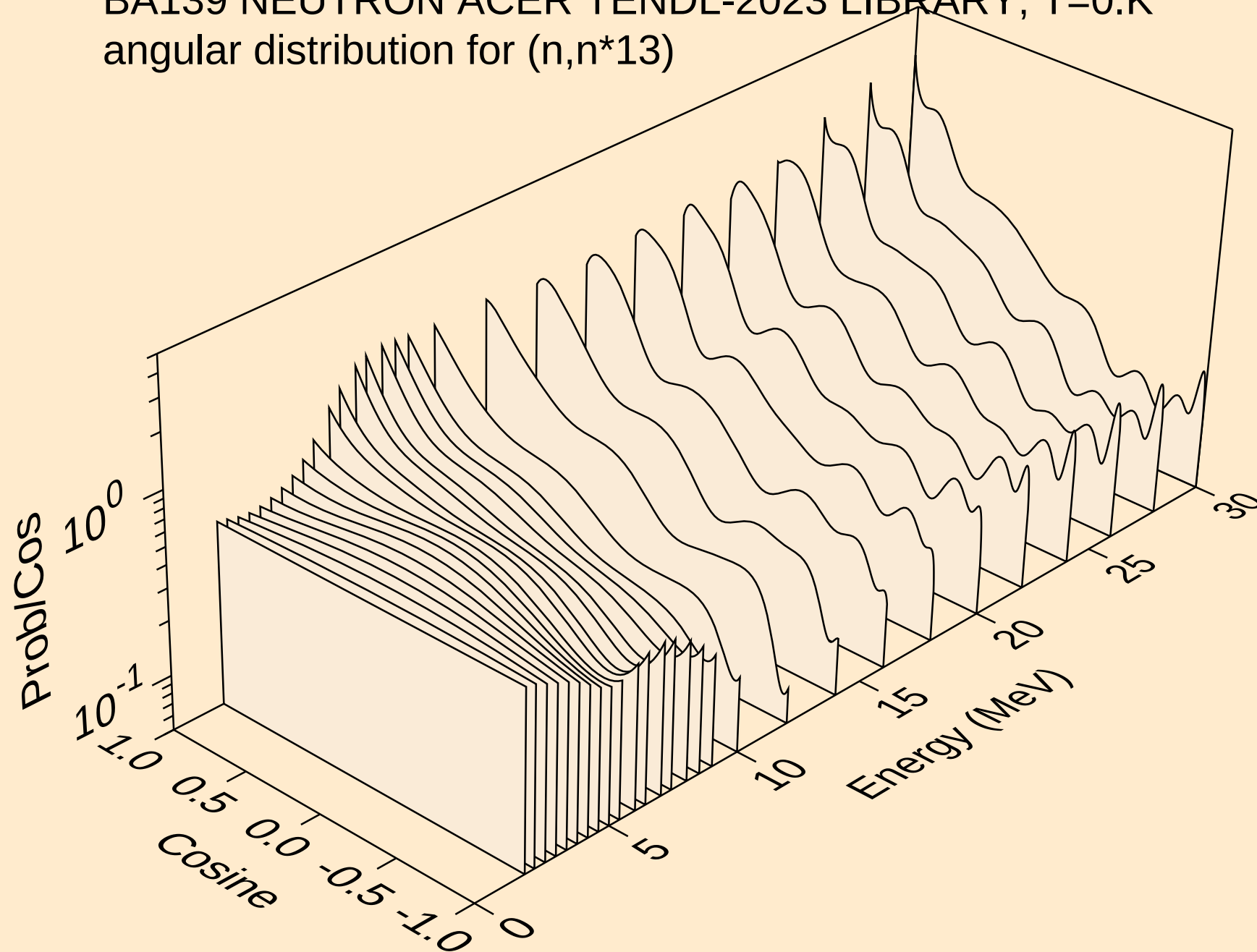
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angular distribution for (n,n*11)



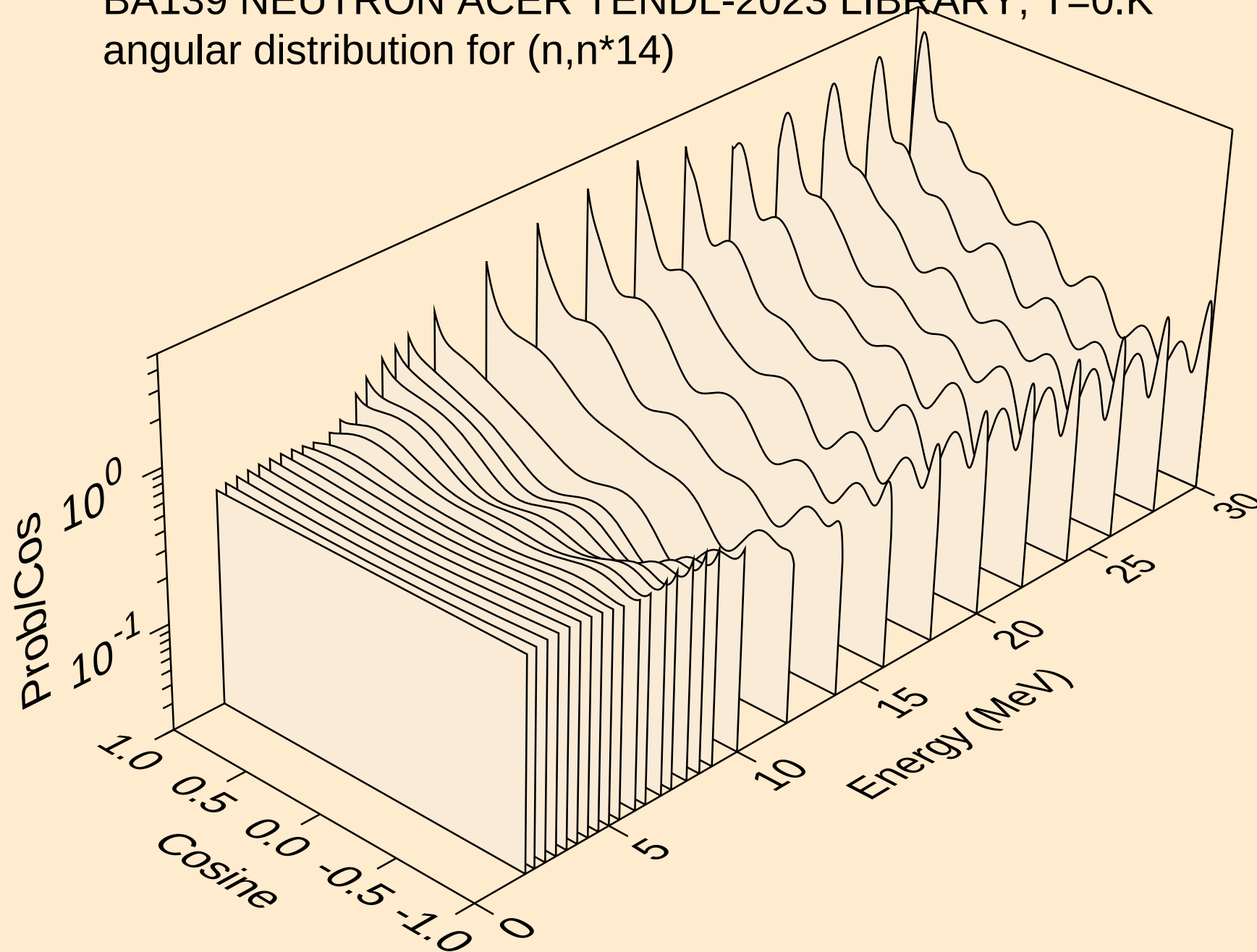
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



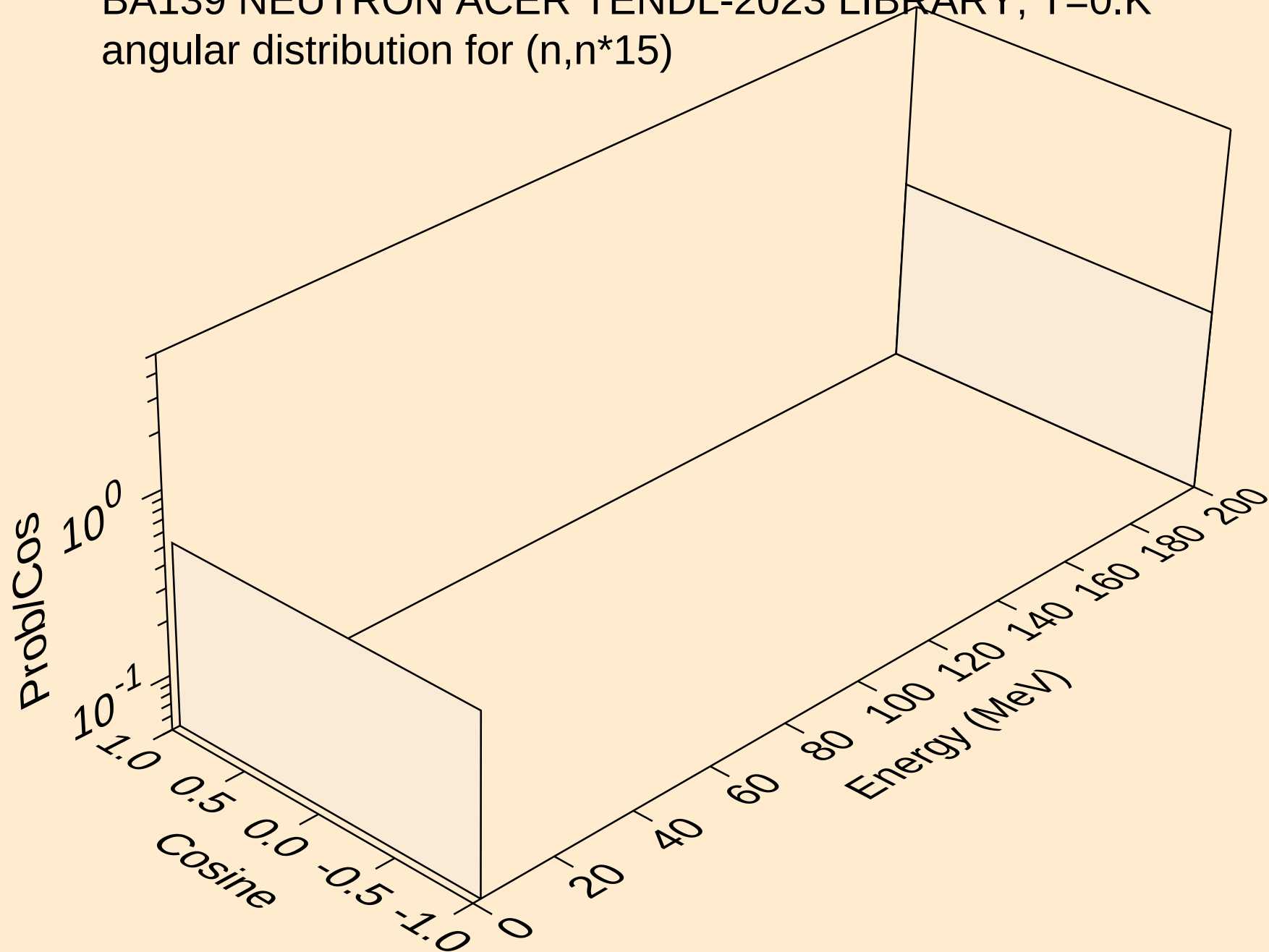
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



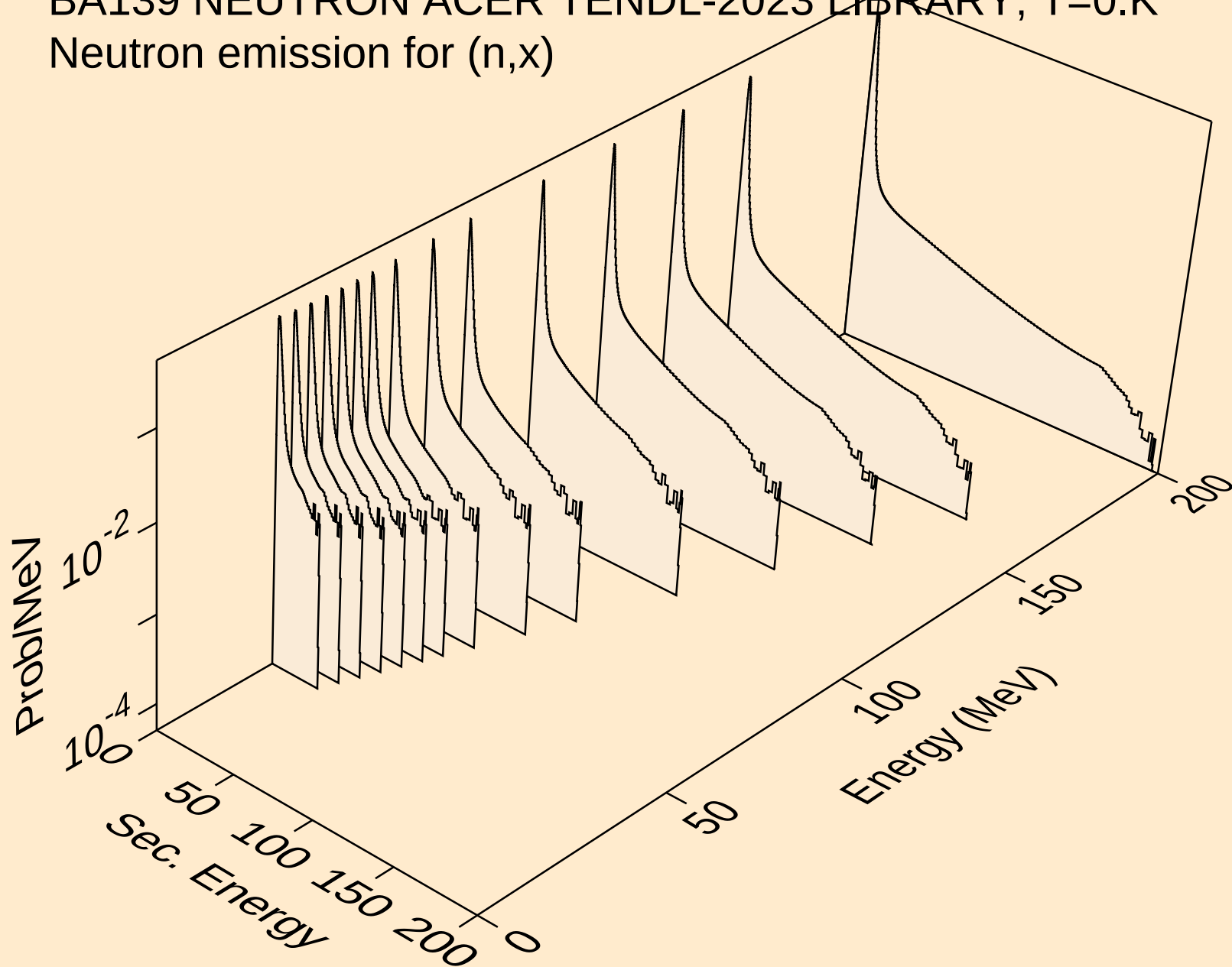
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



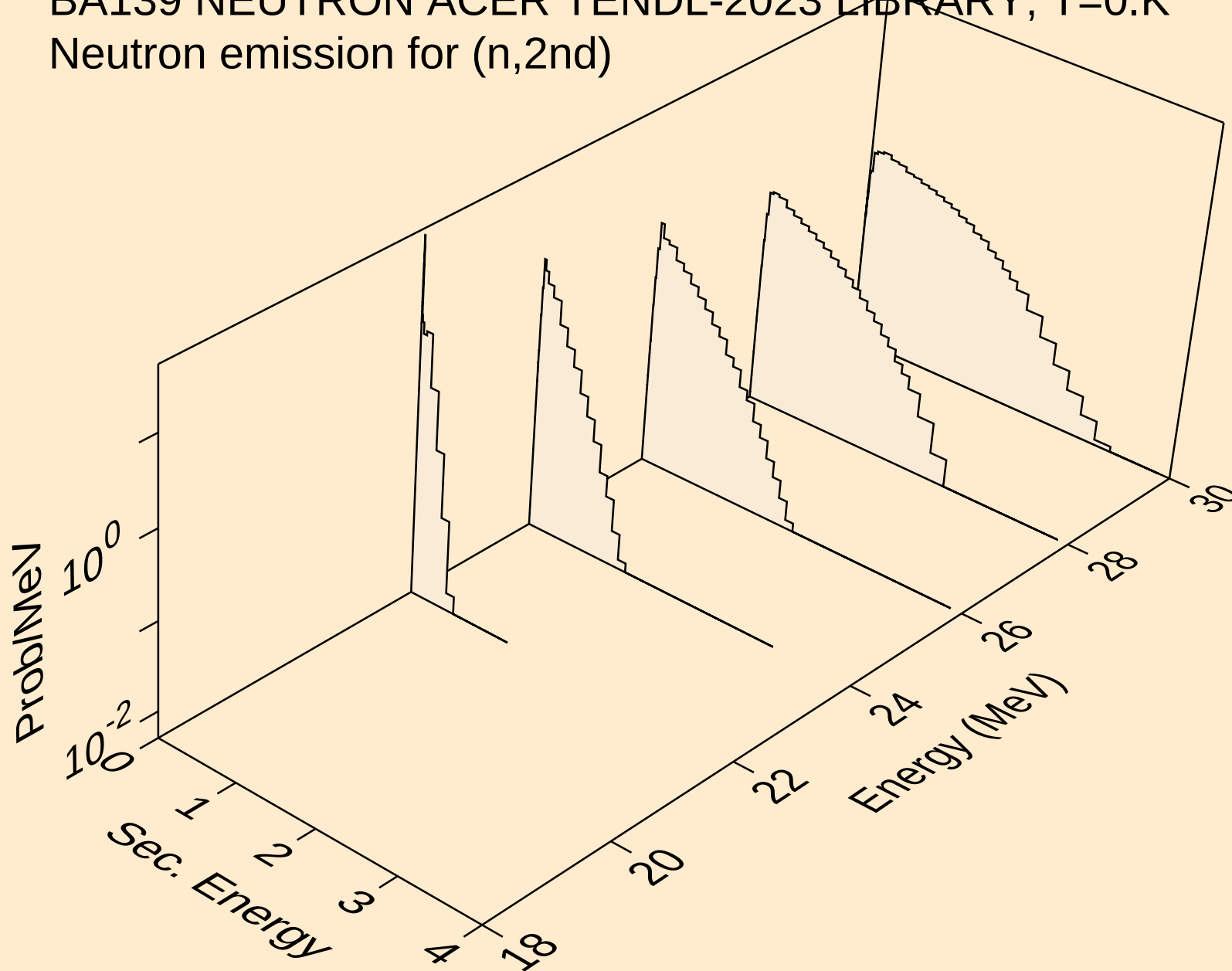
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



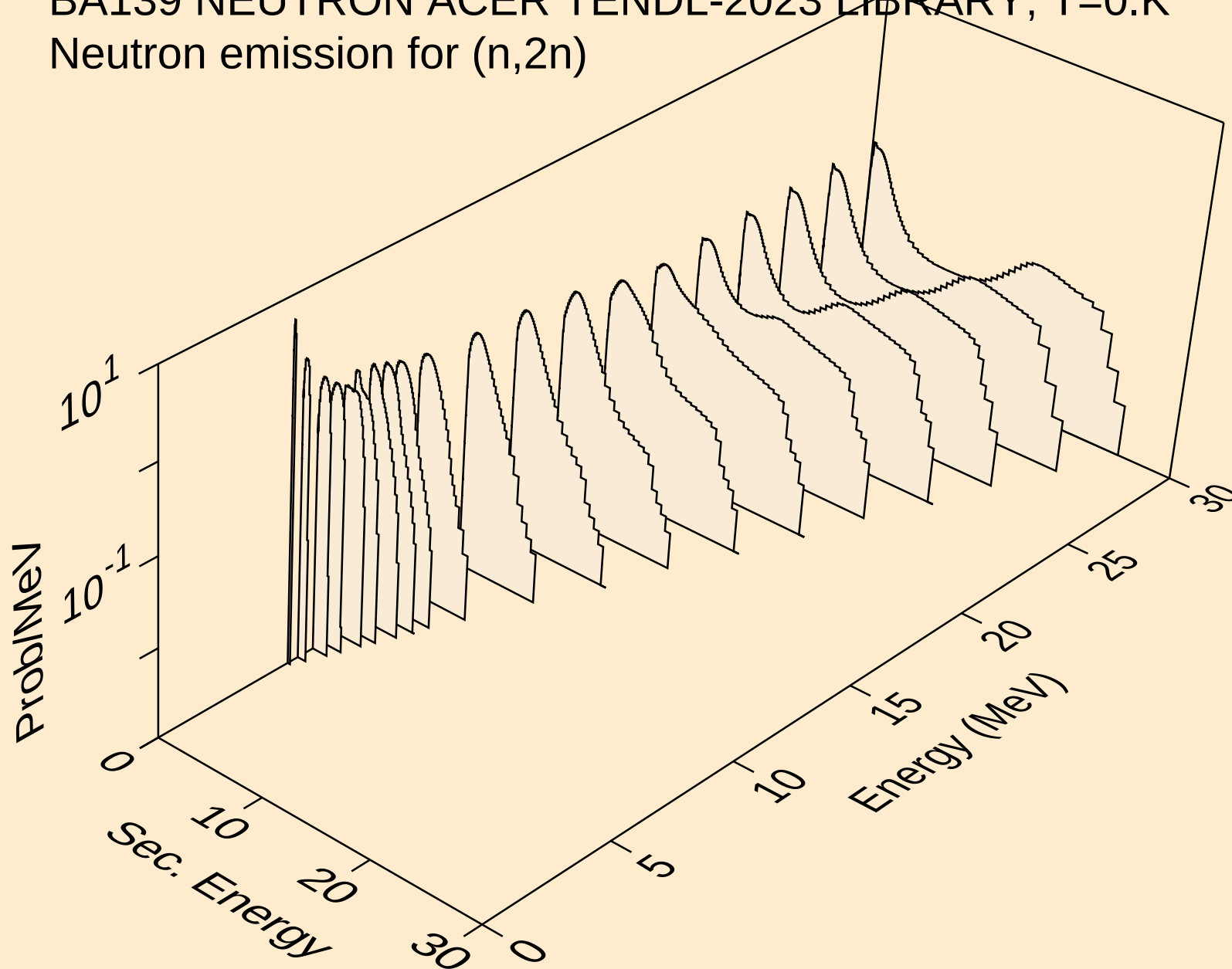
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



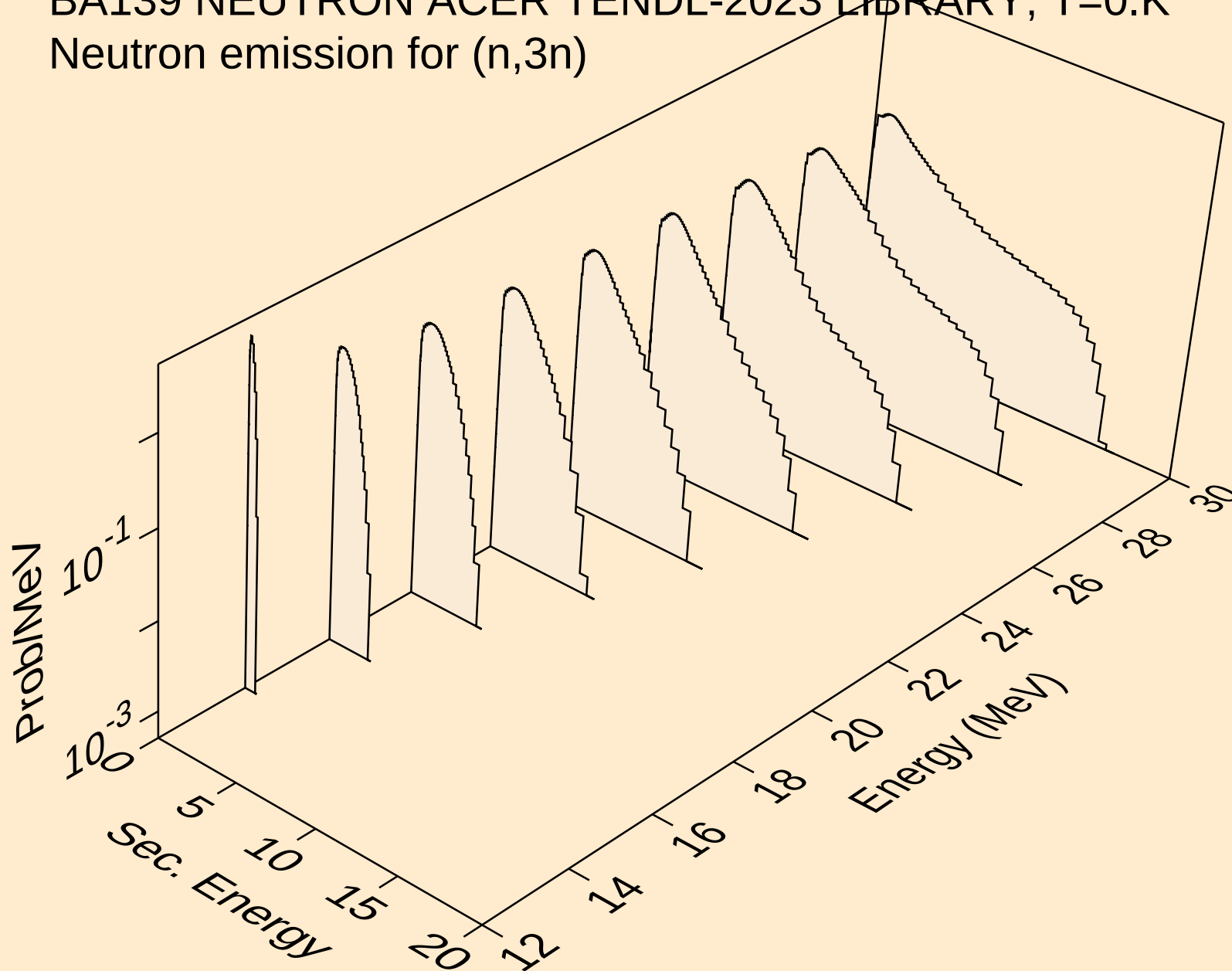
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)

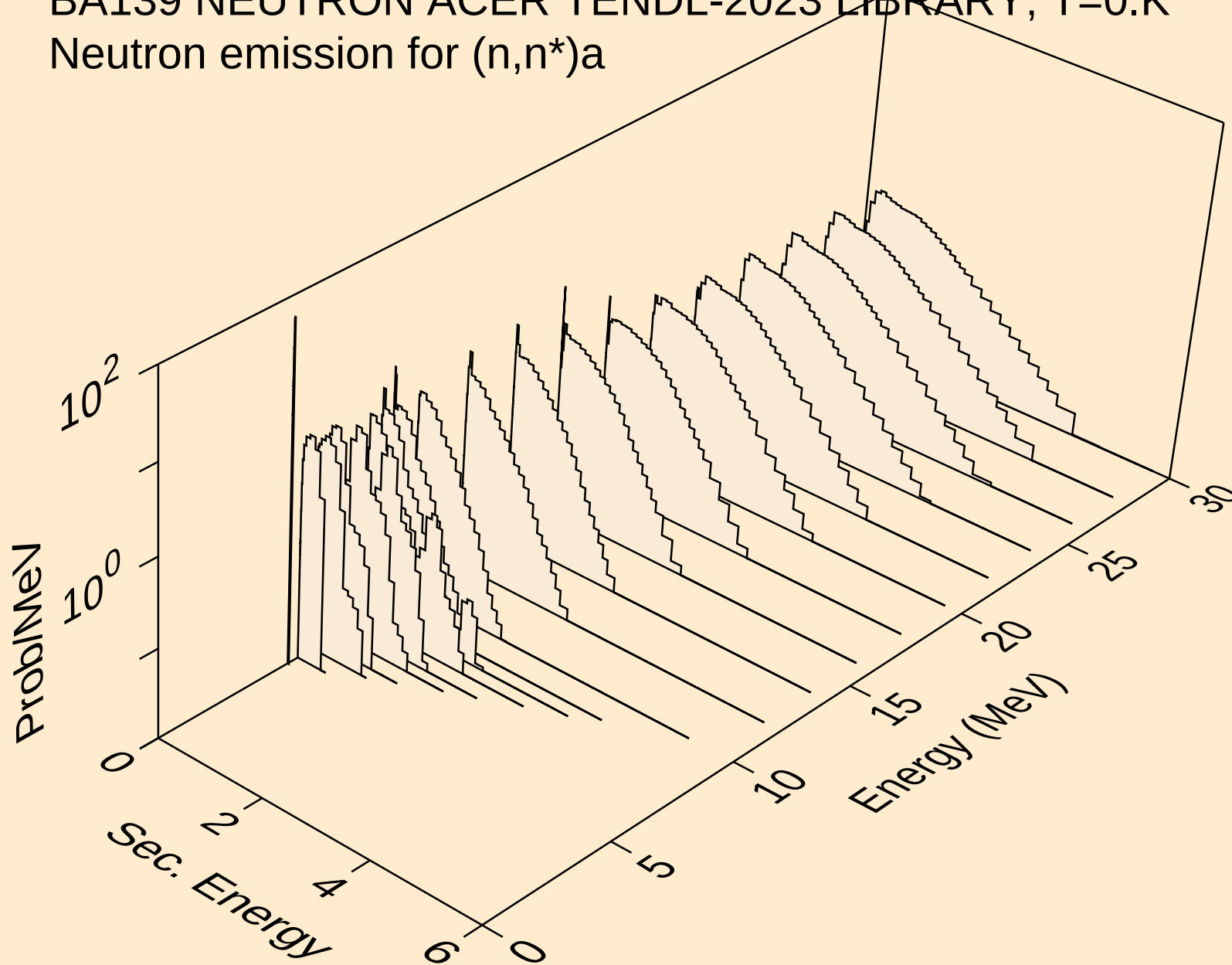


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)

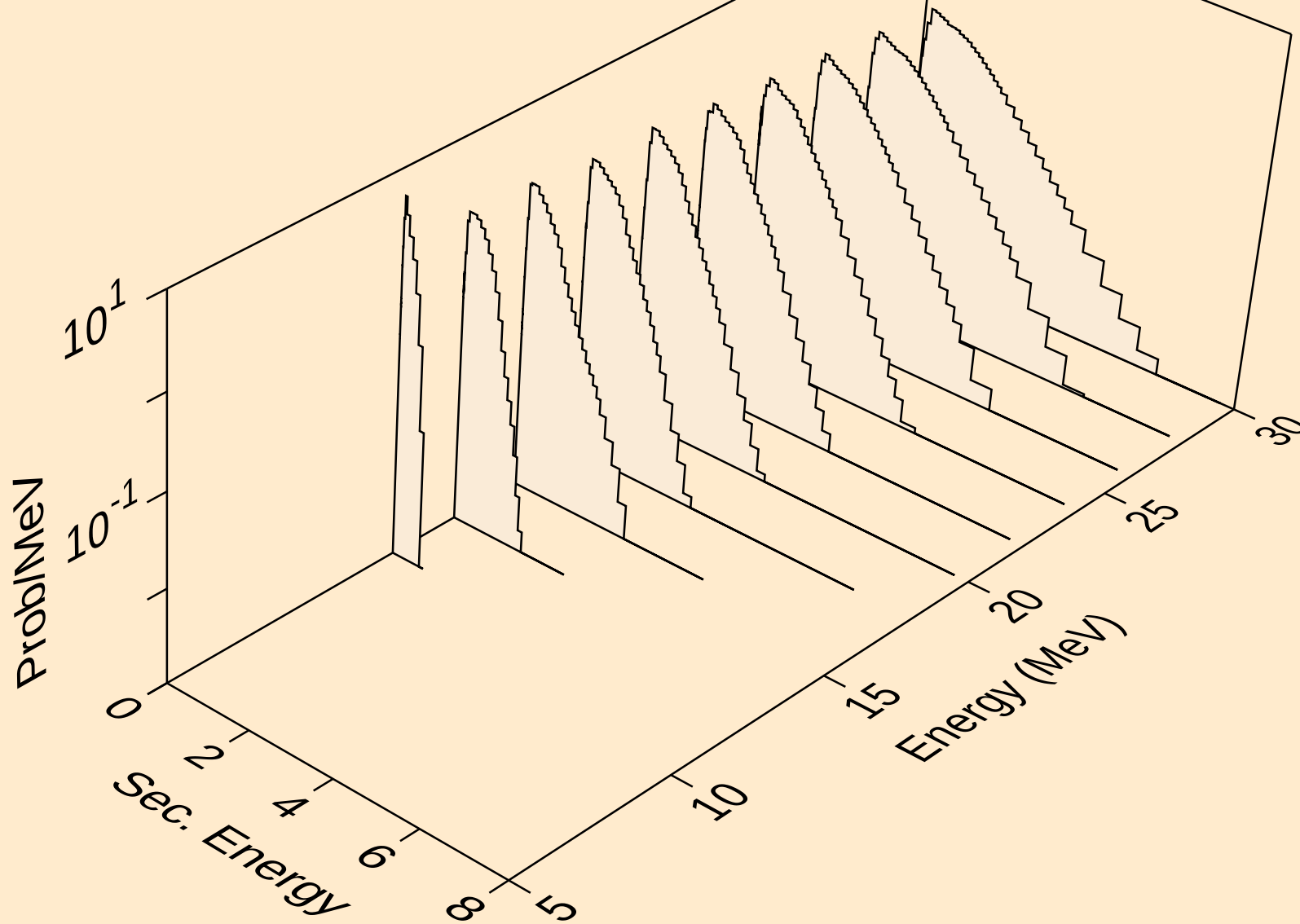


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

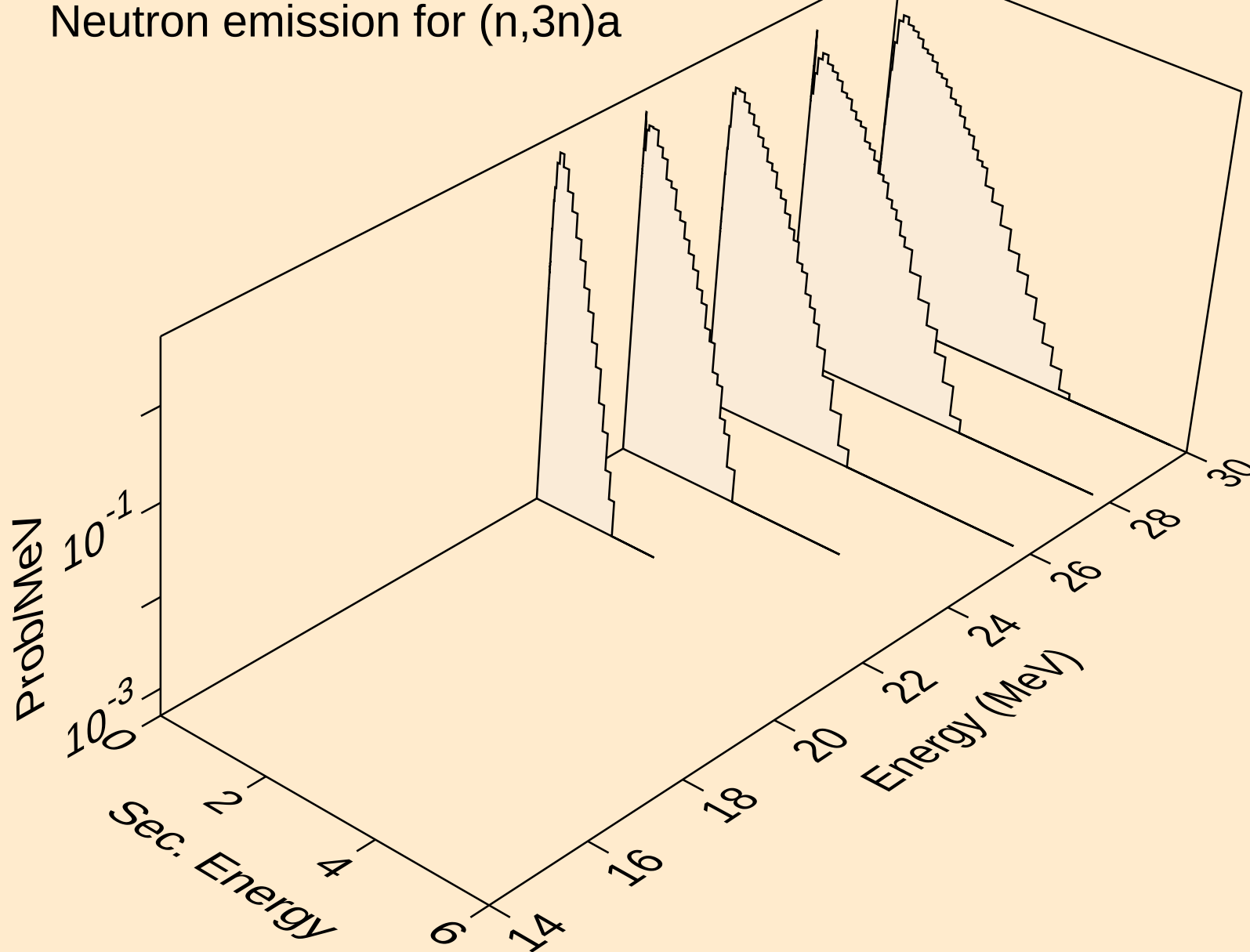
Neutron emission for (n,n*)a



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)_a

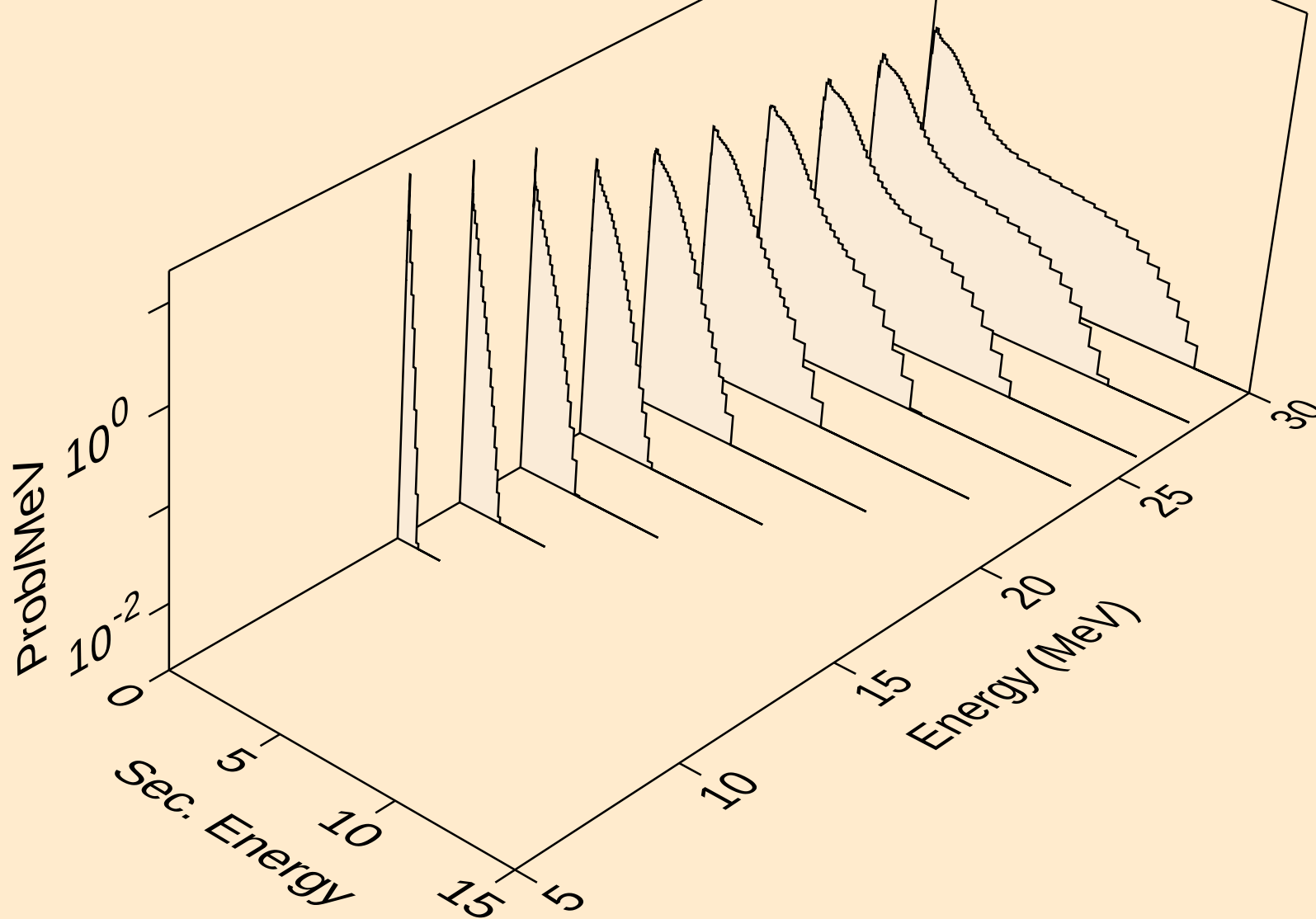


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



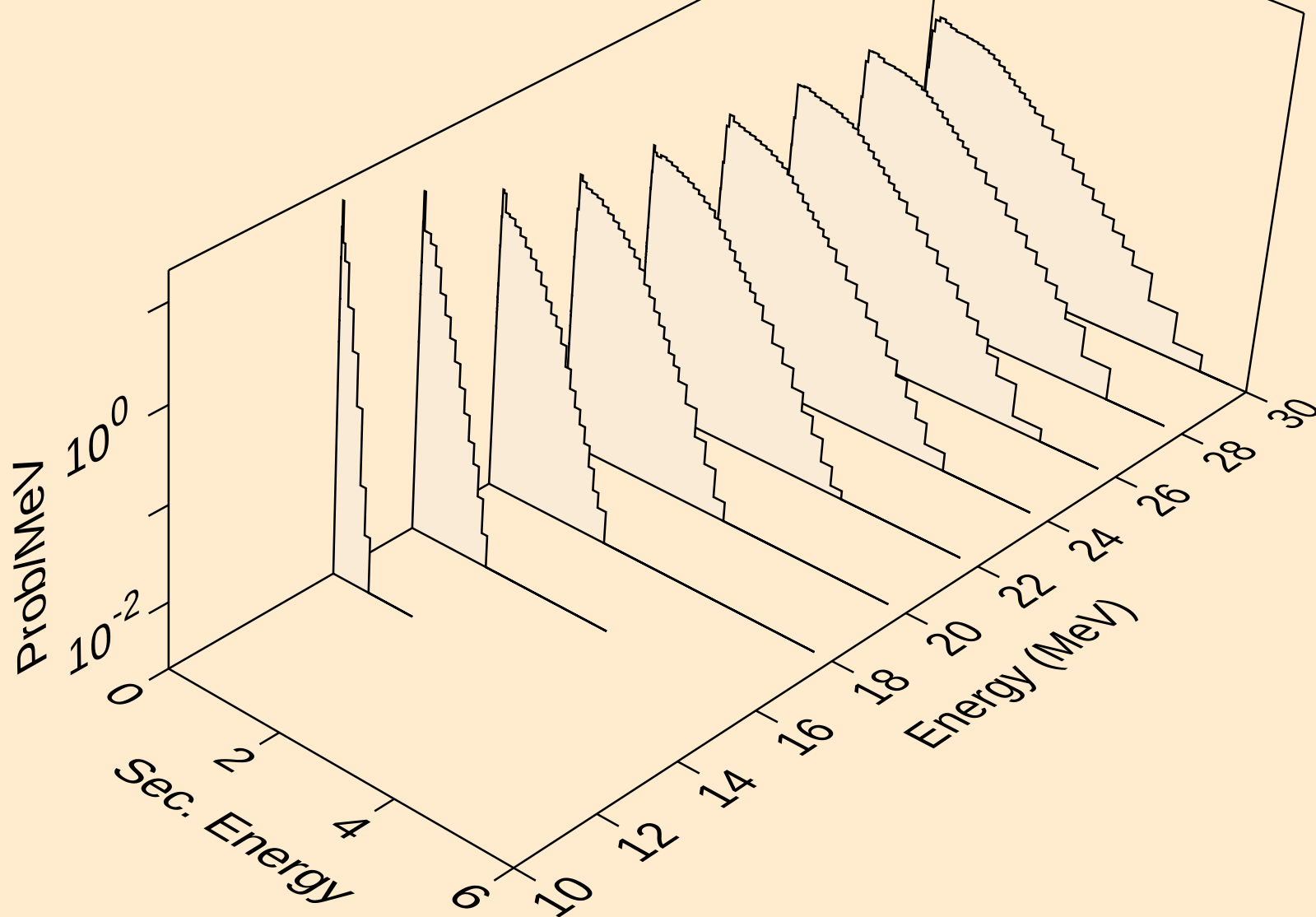
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)p



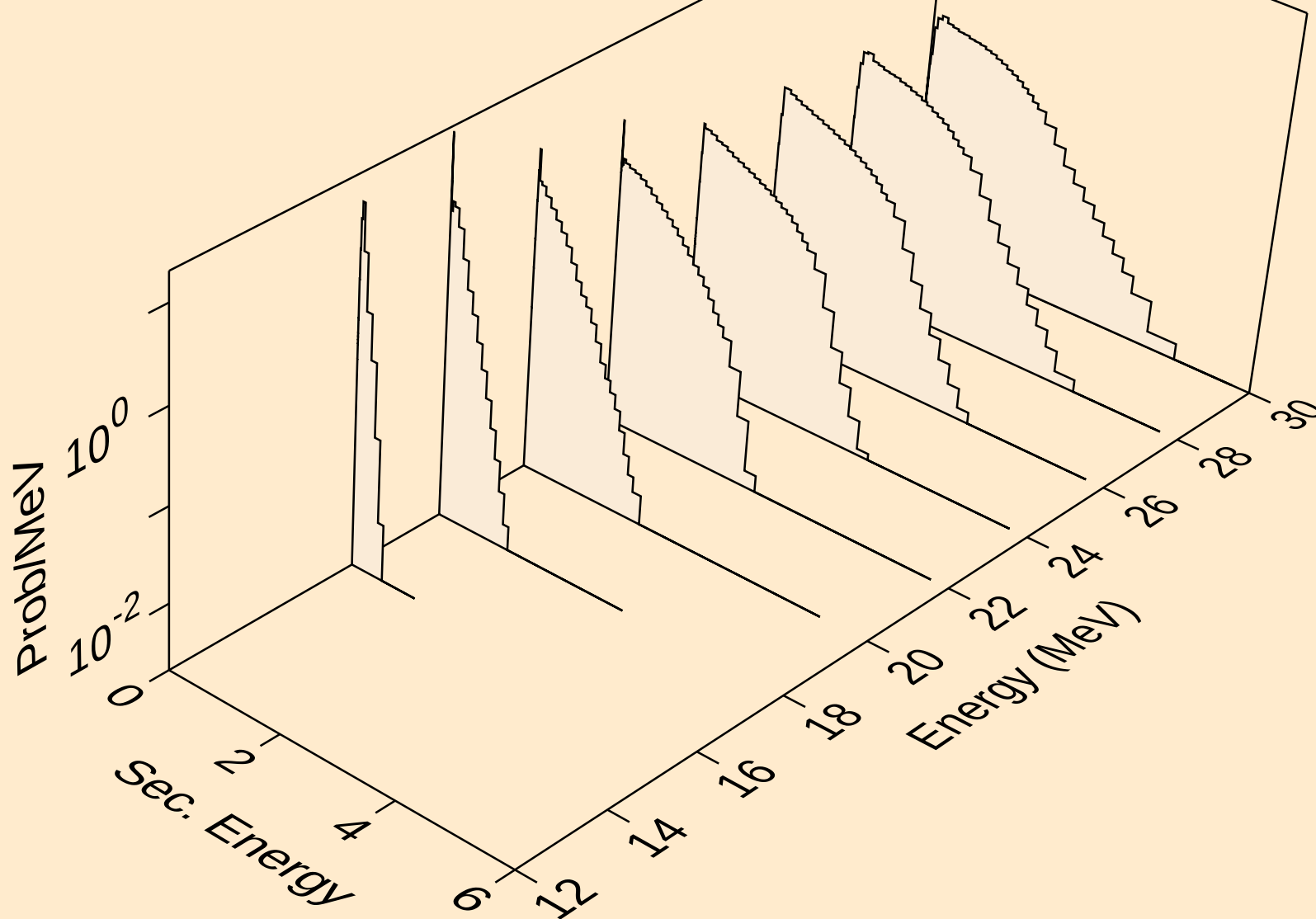
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Neutron emission for (n,n*)d

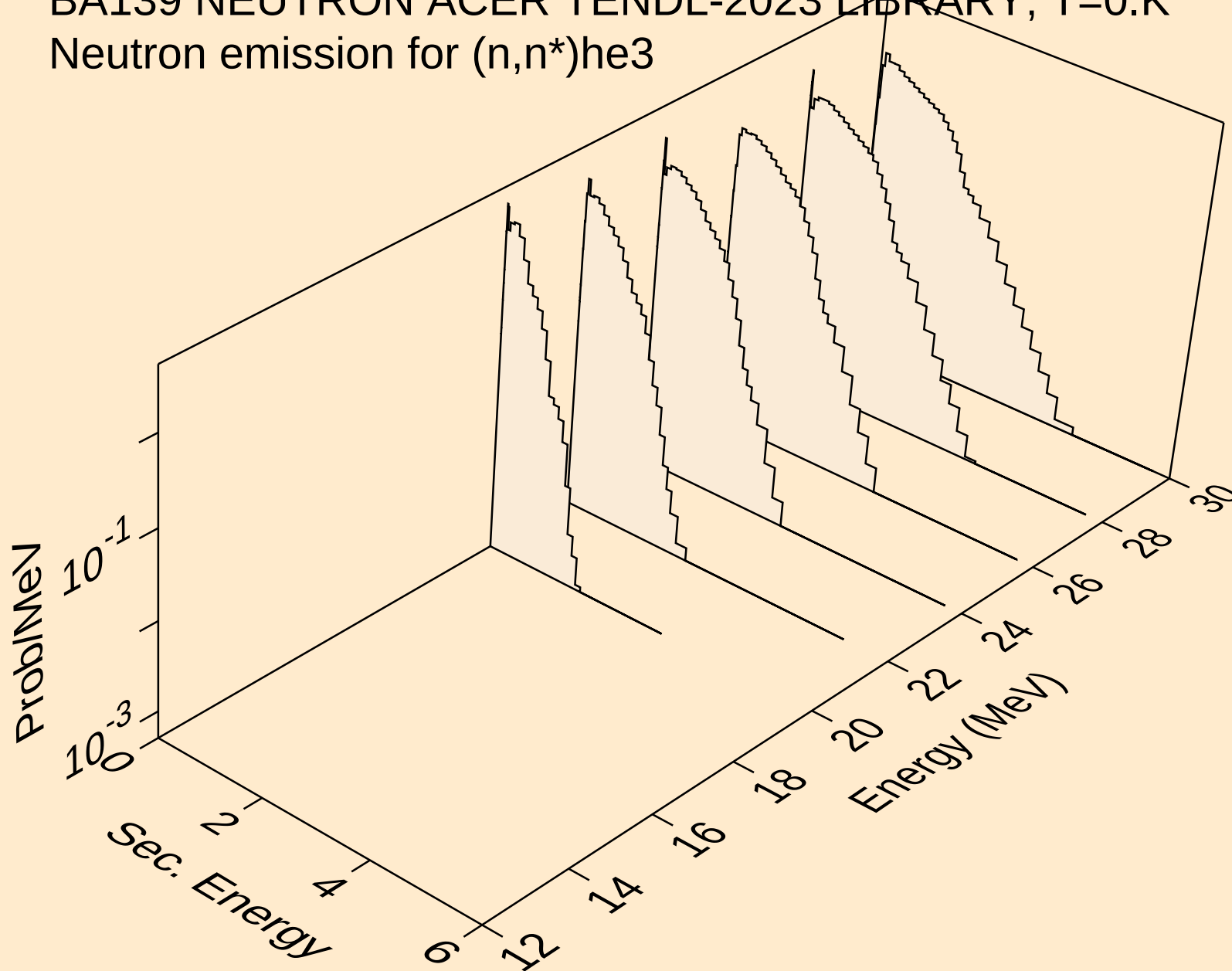


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

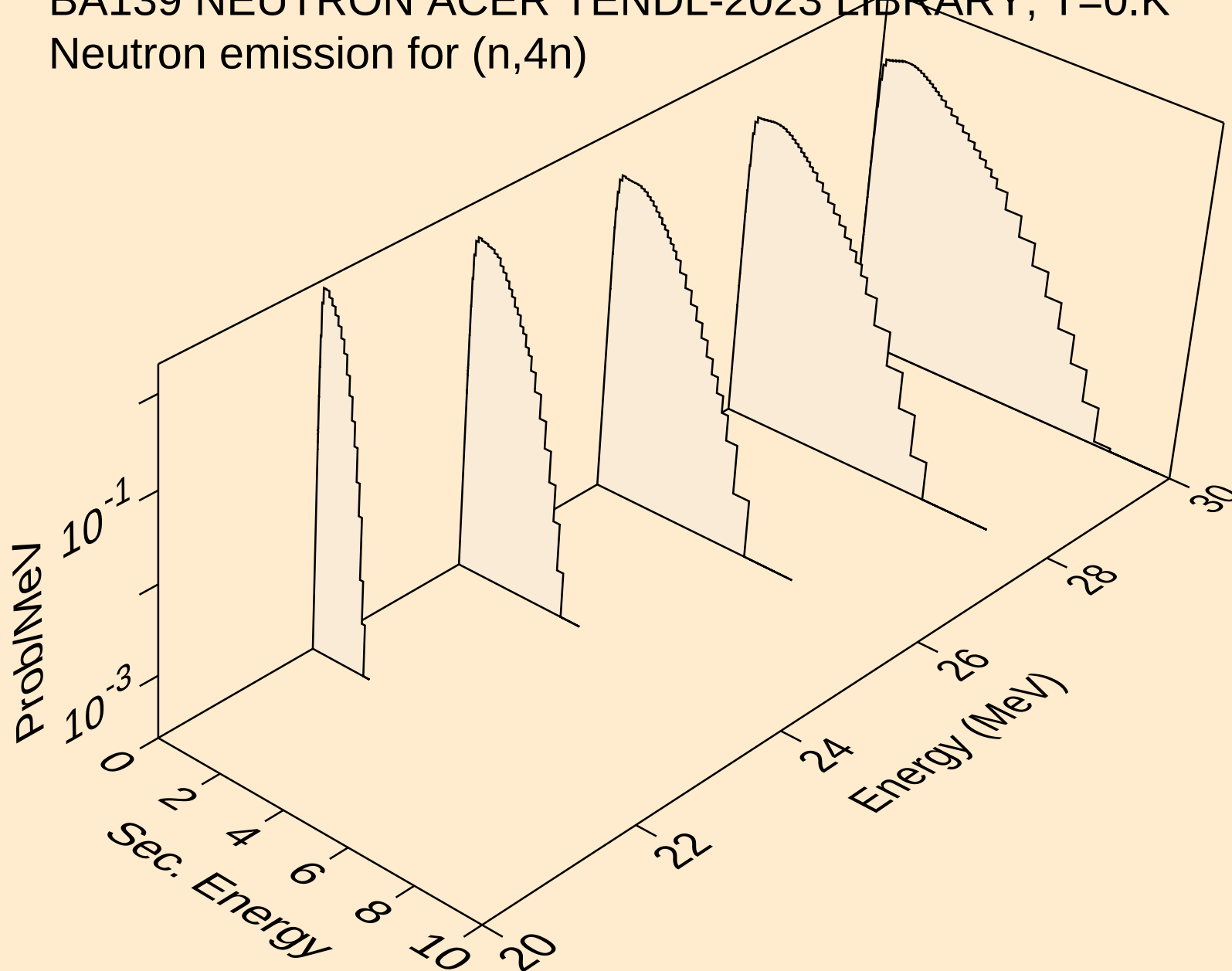
Neutron emission for (n,n*)t



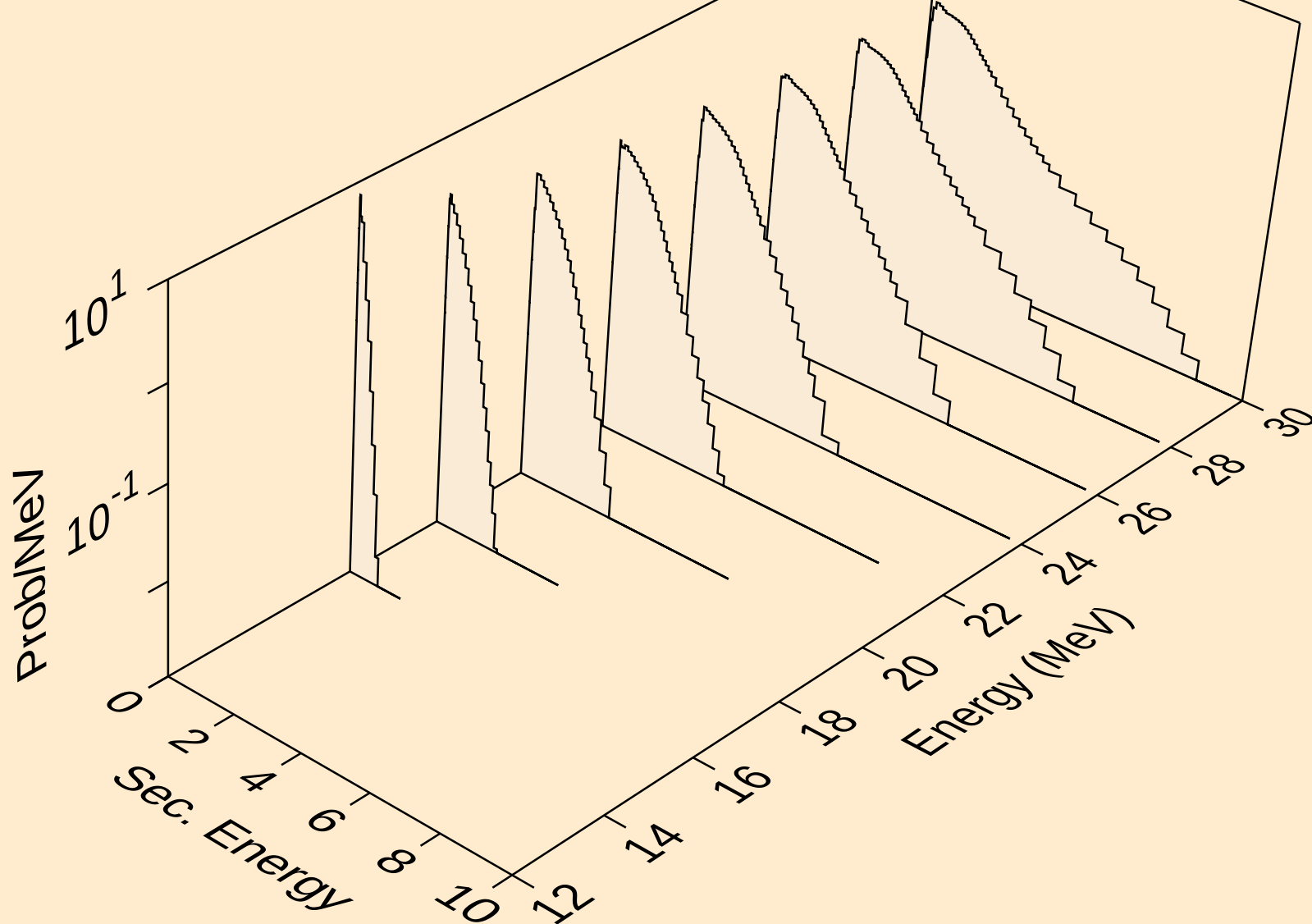
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



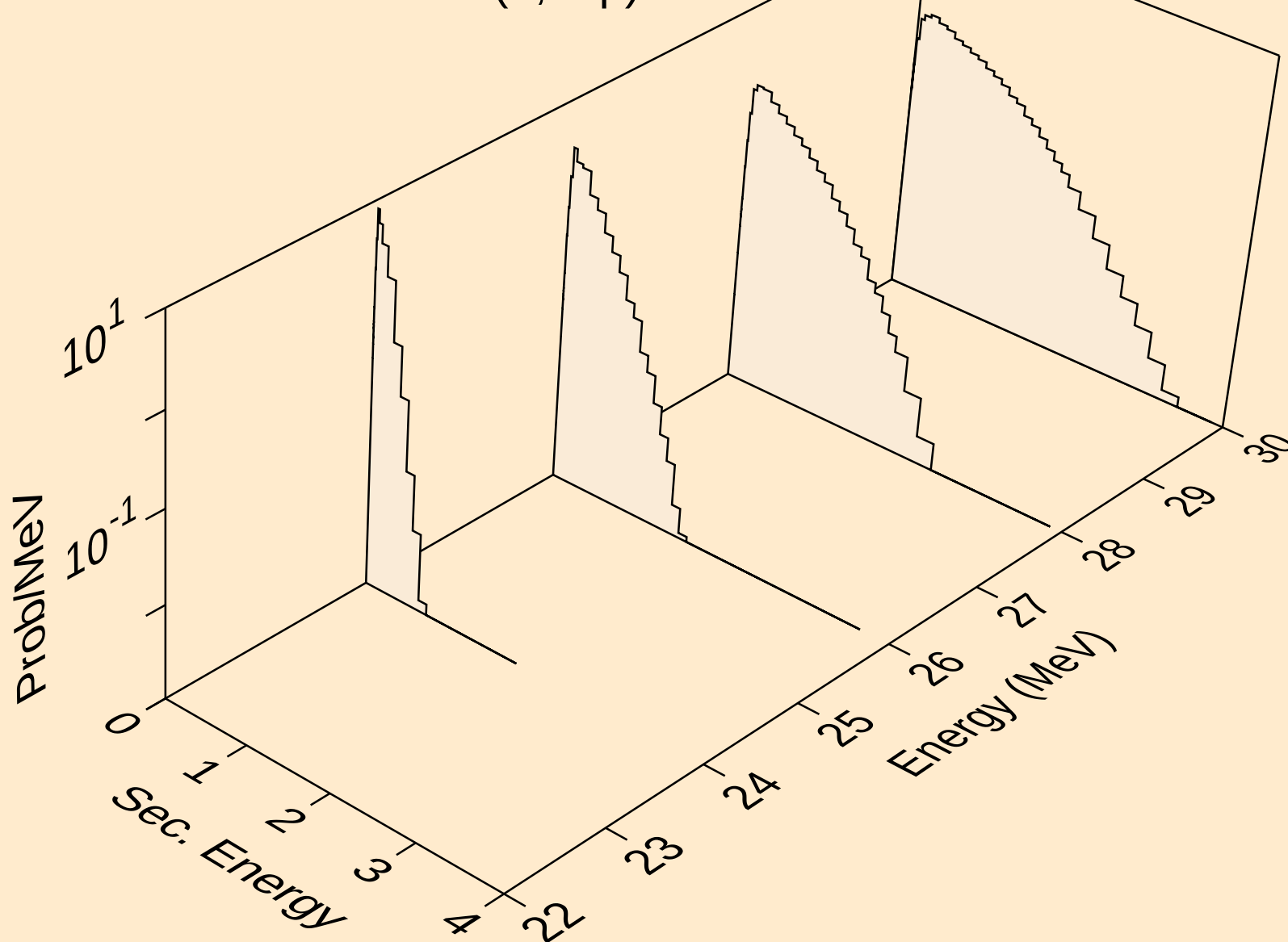
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



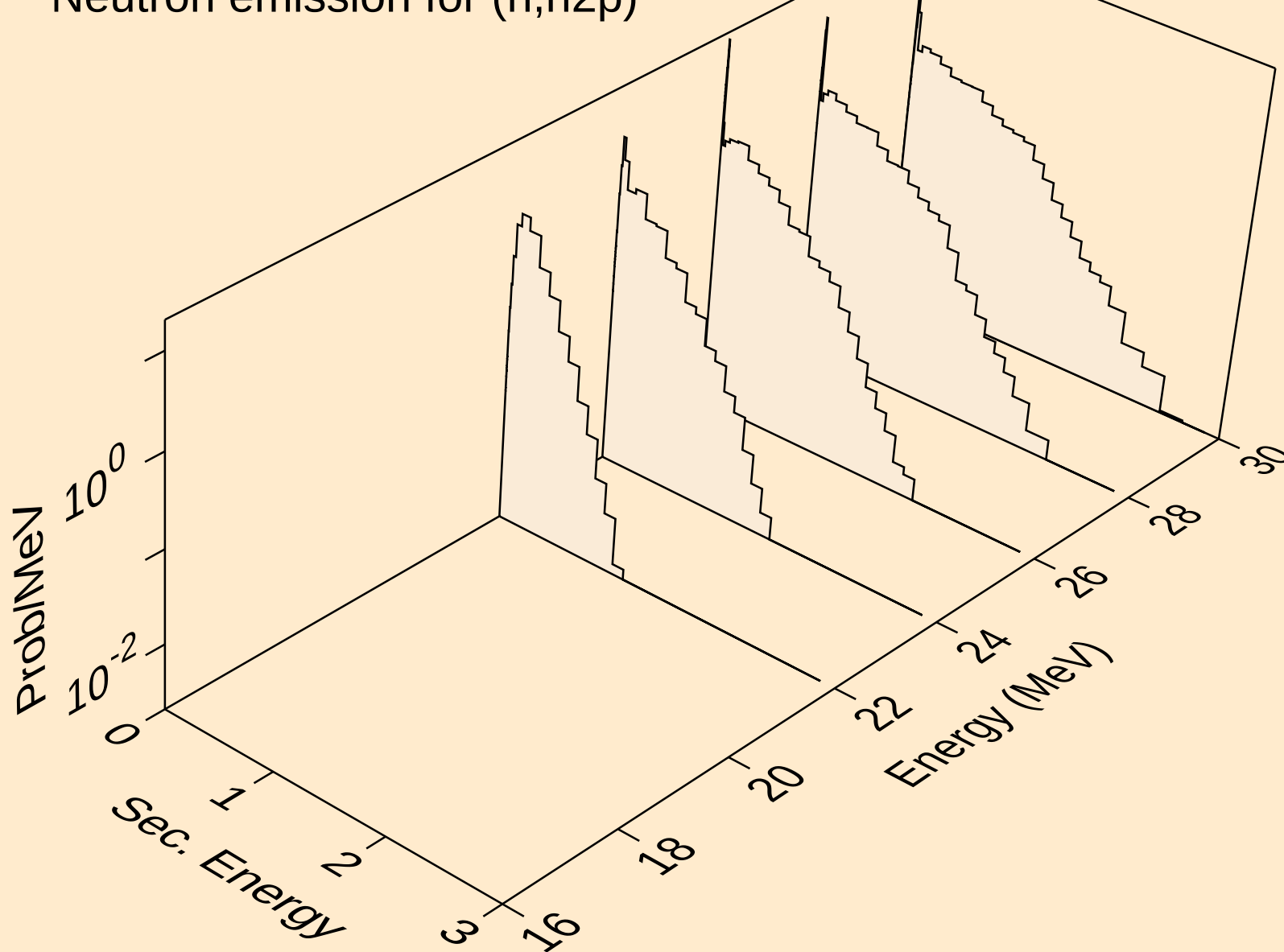
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



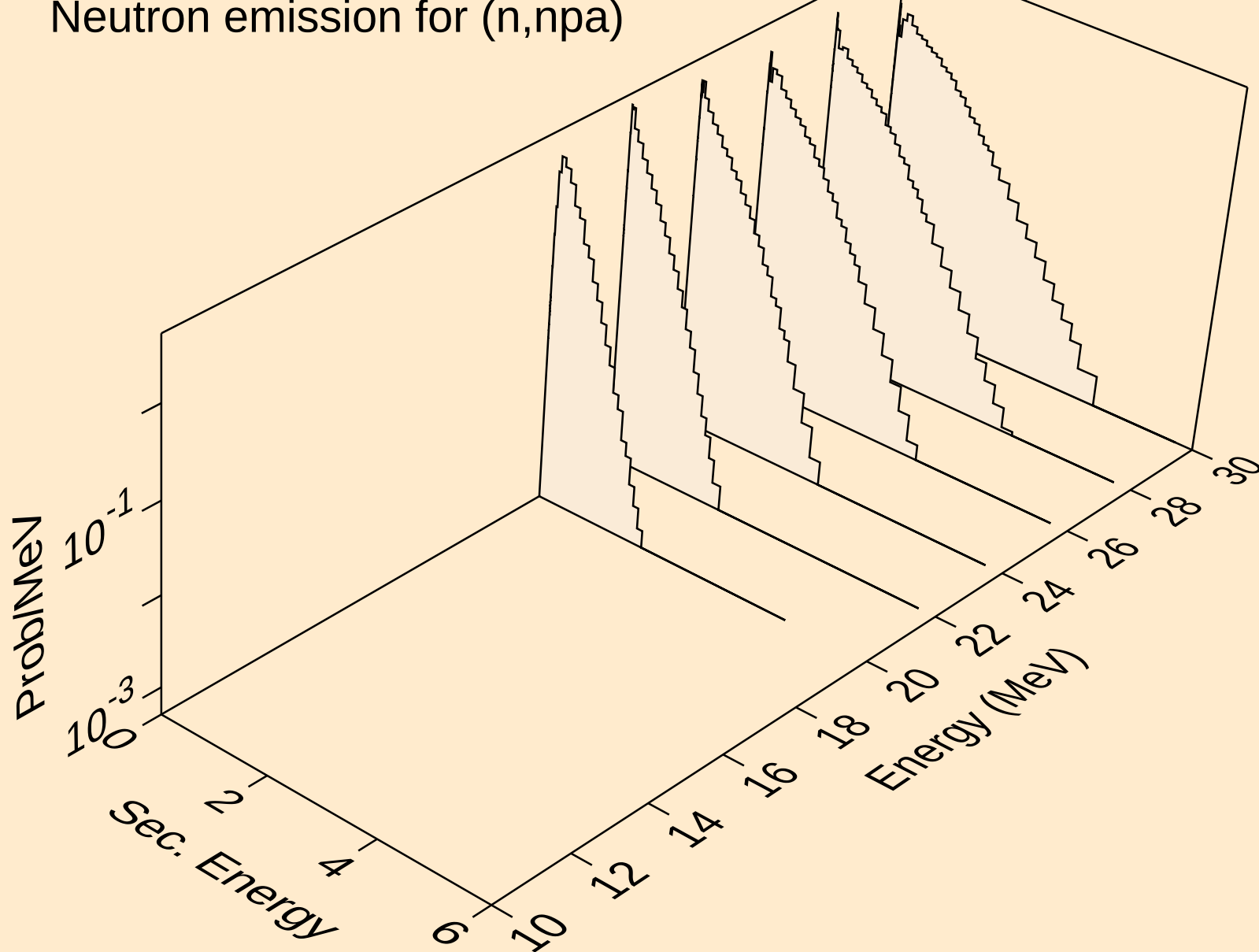
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



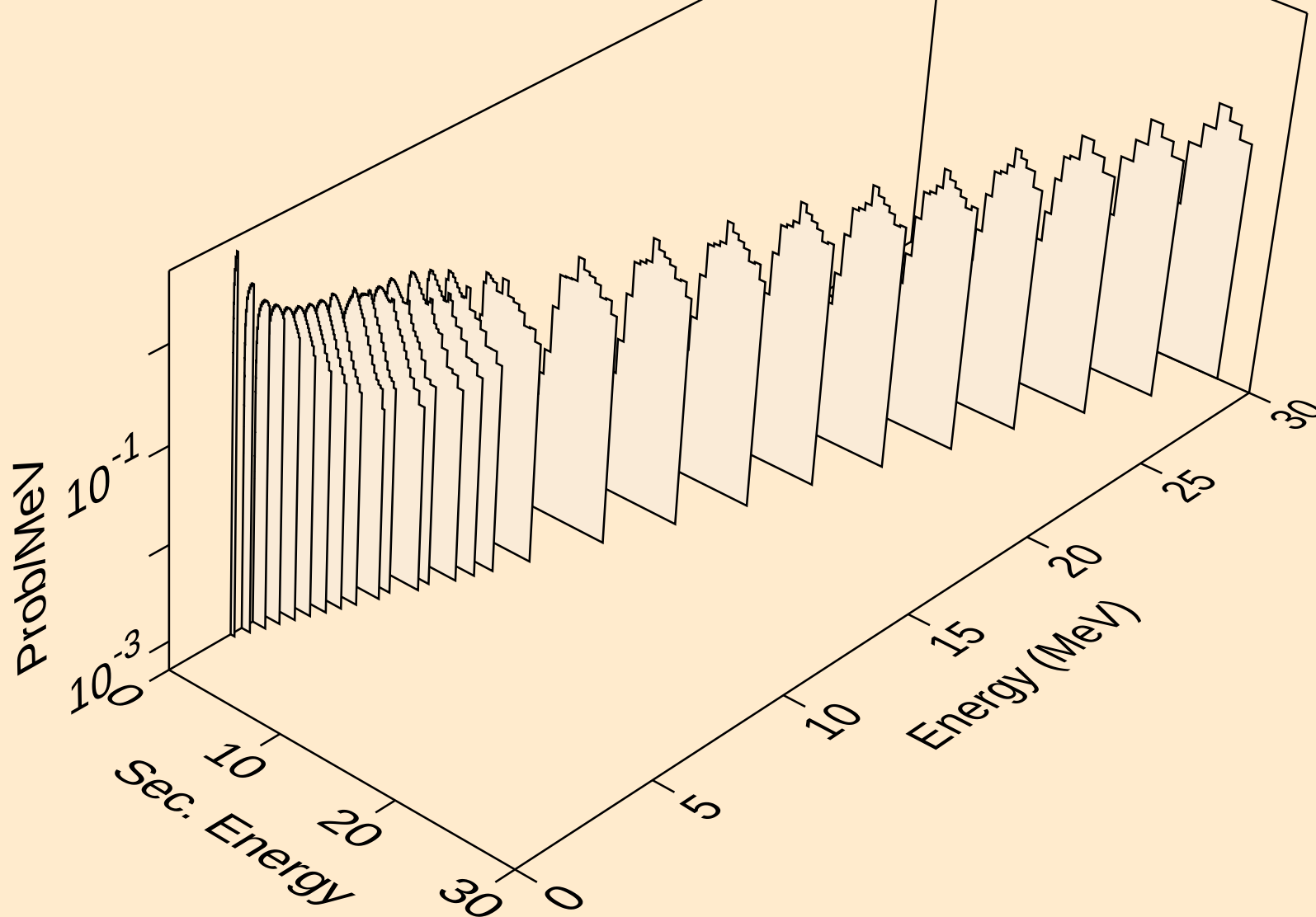
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



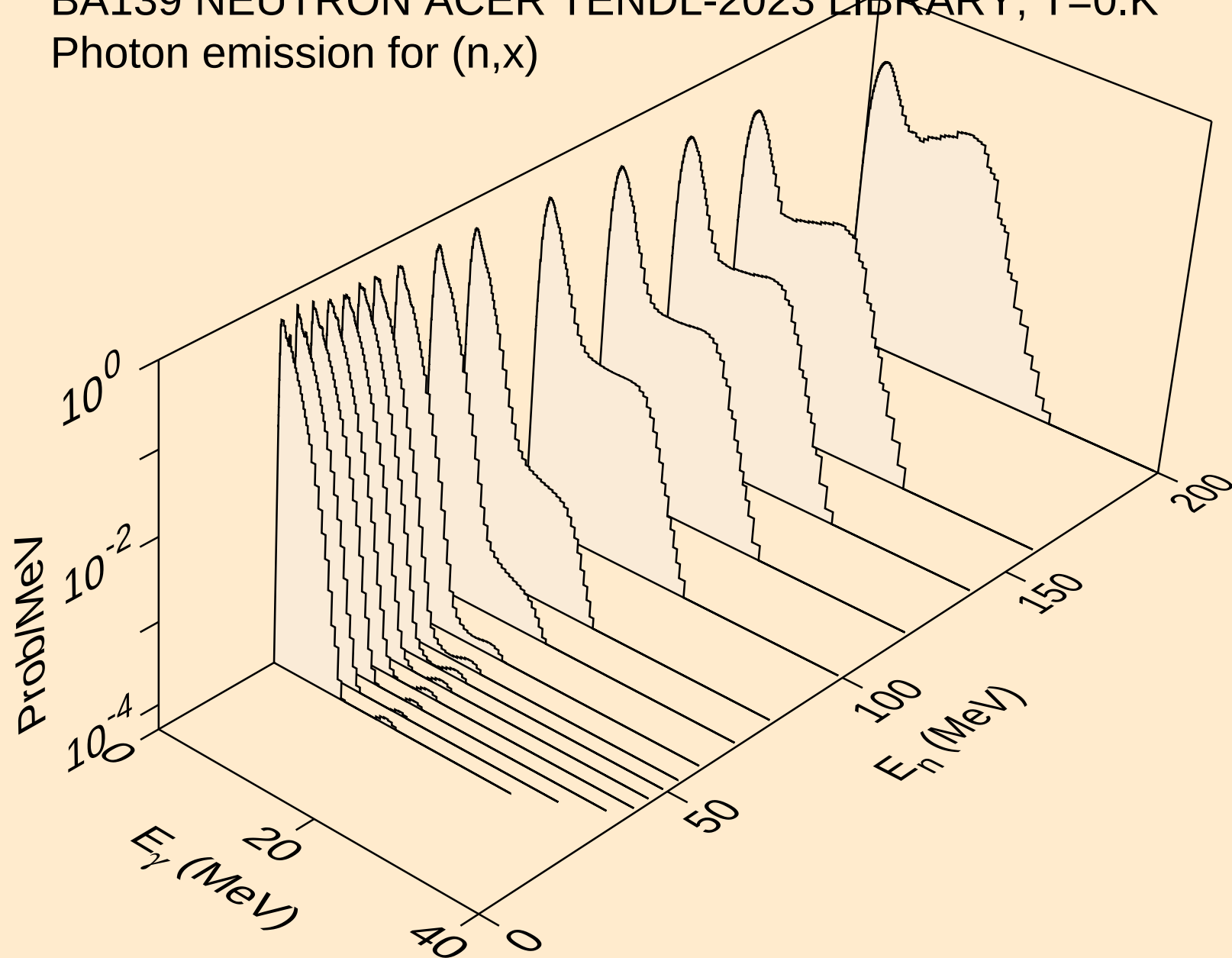
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



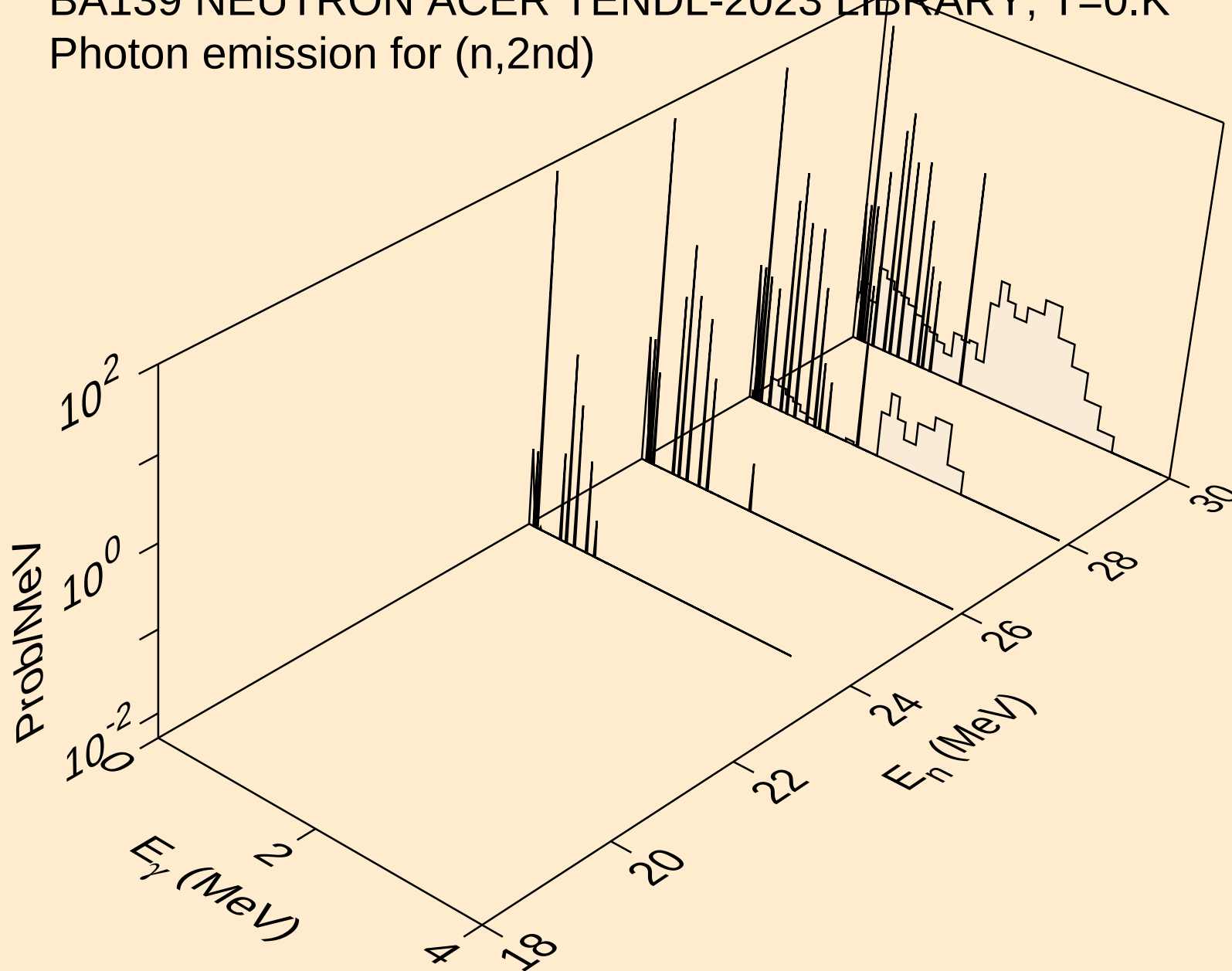
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



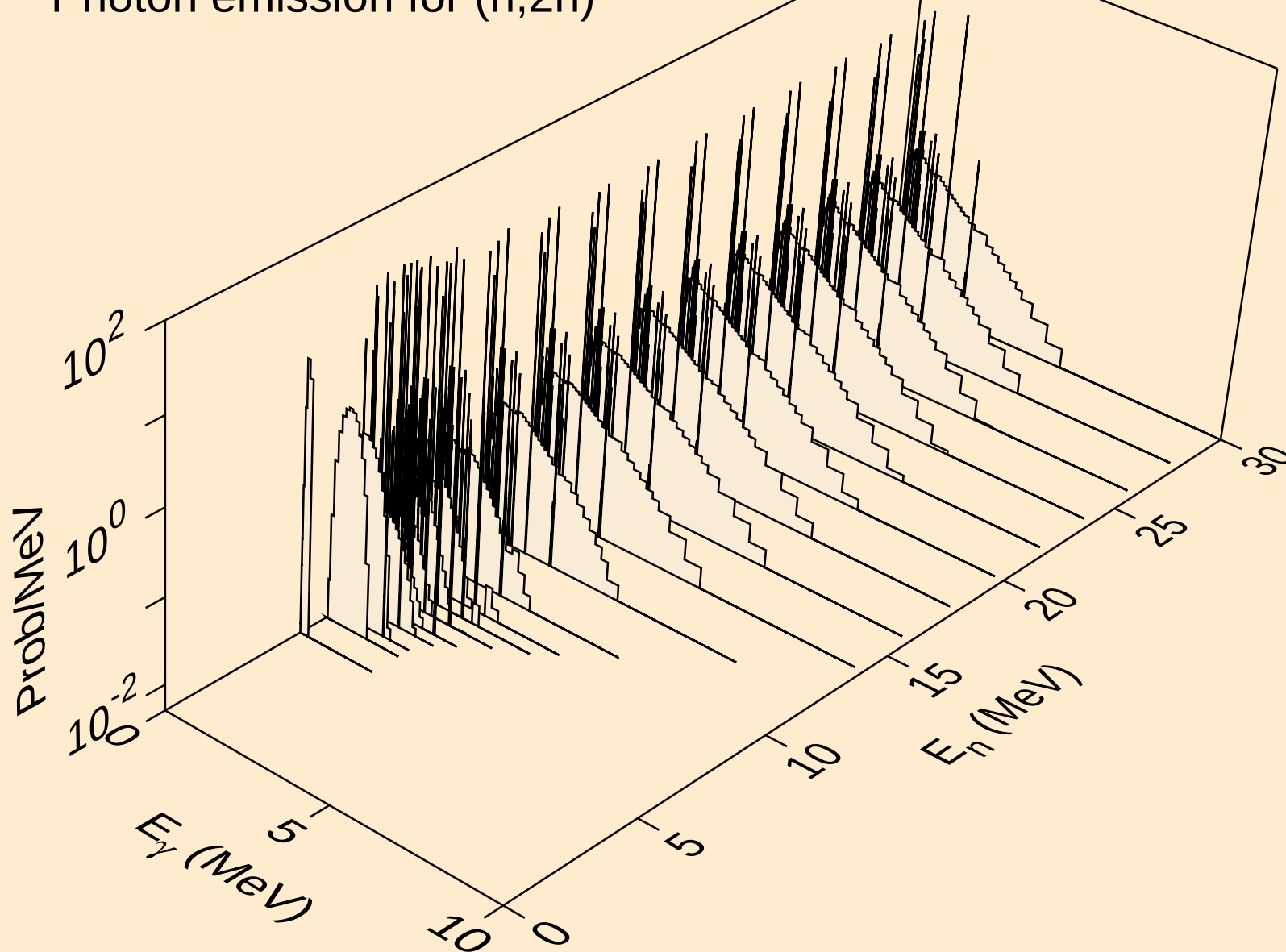
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



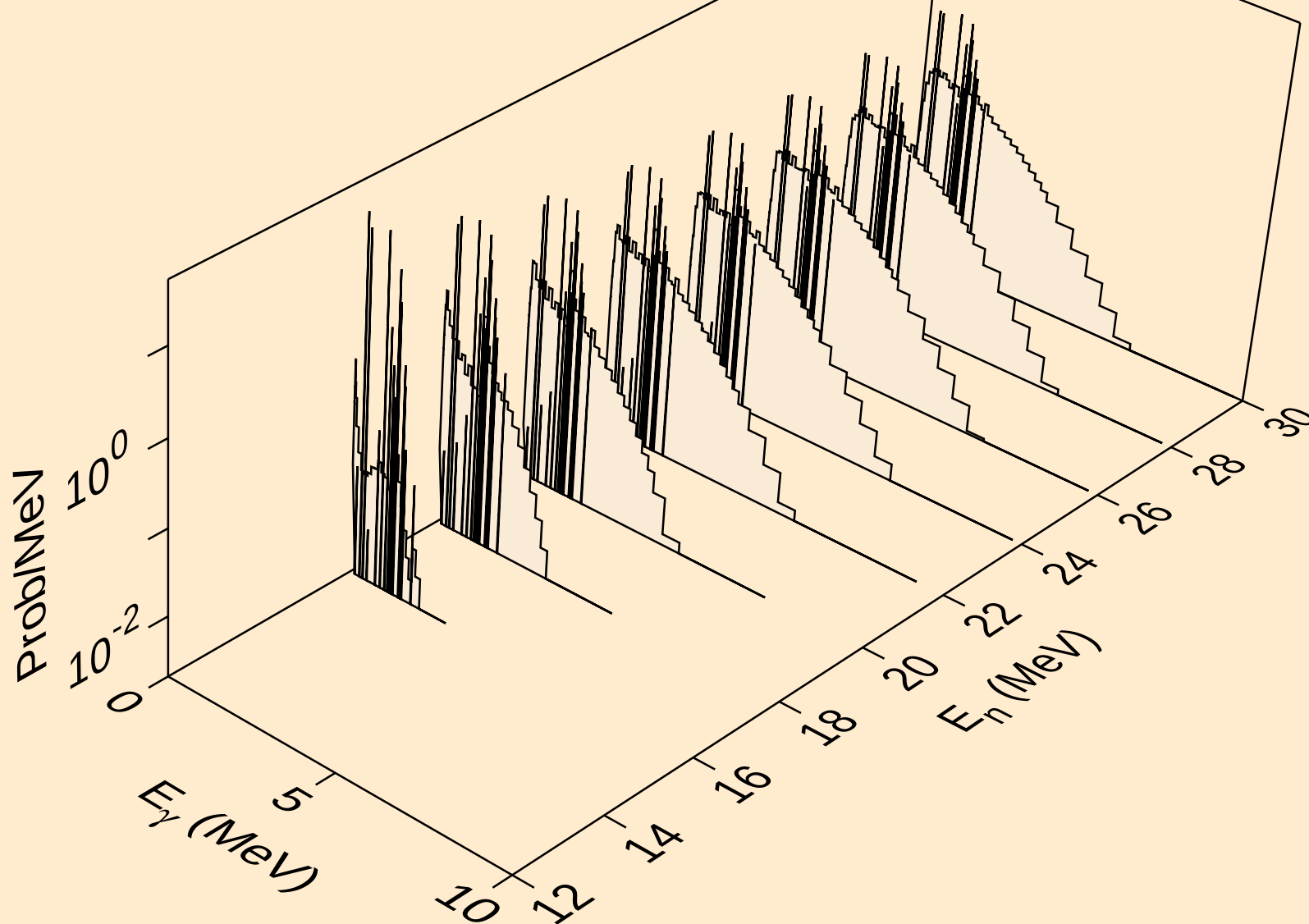
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

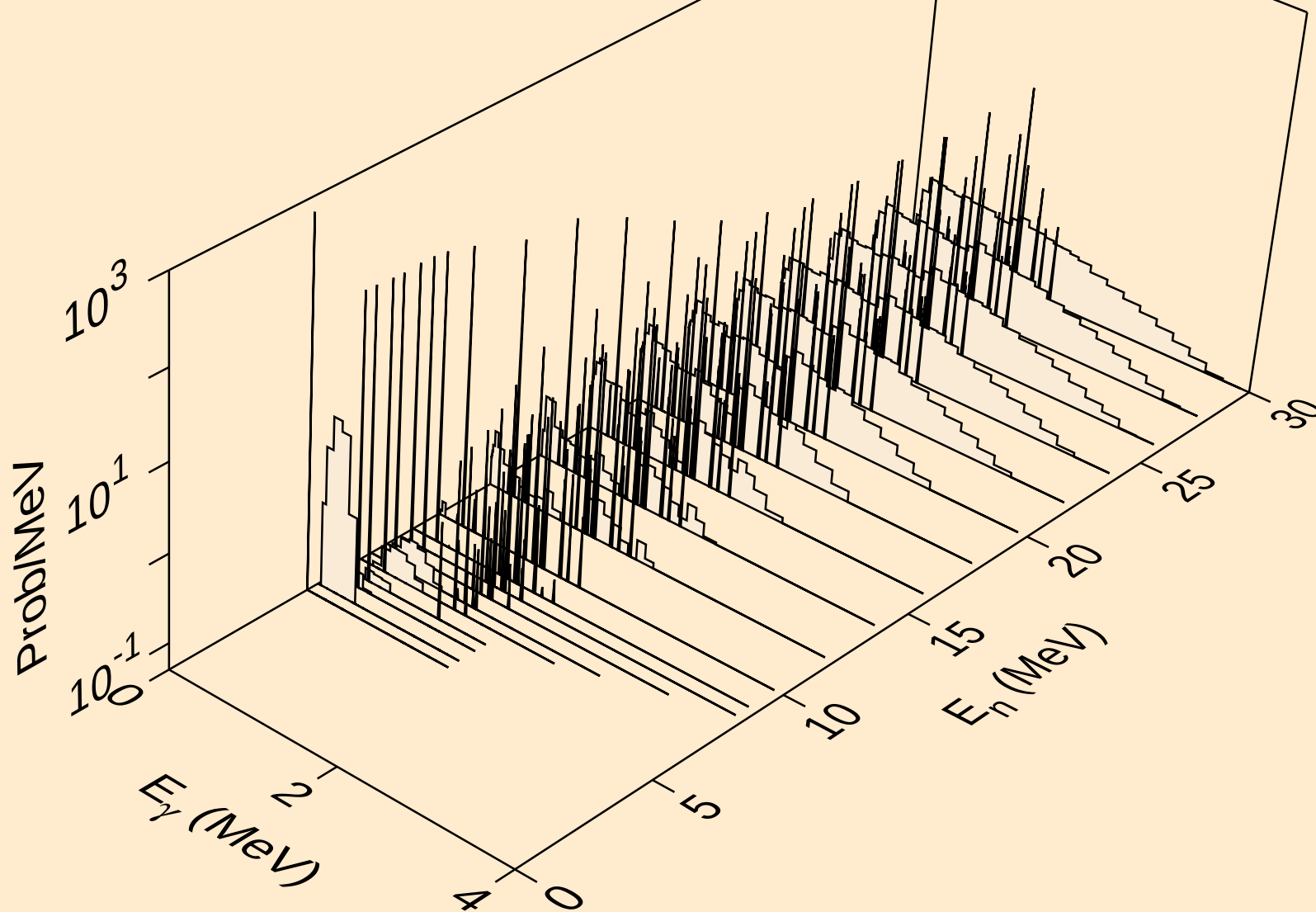


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



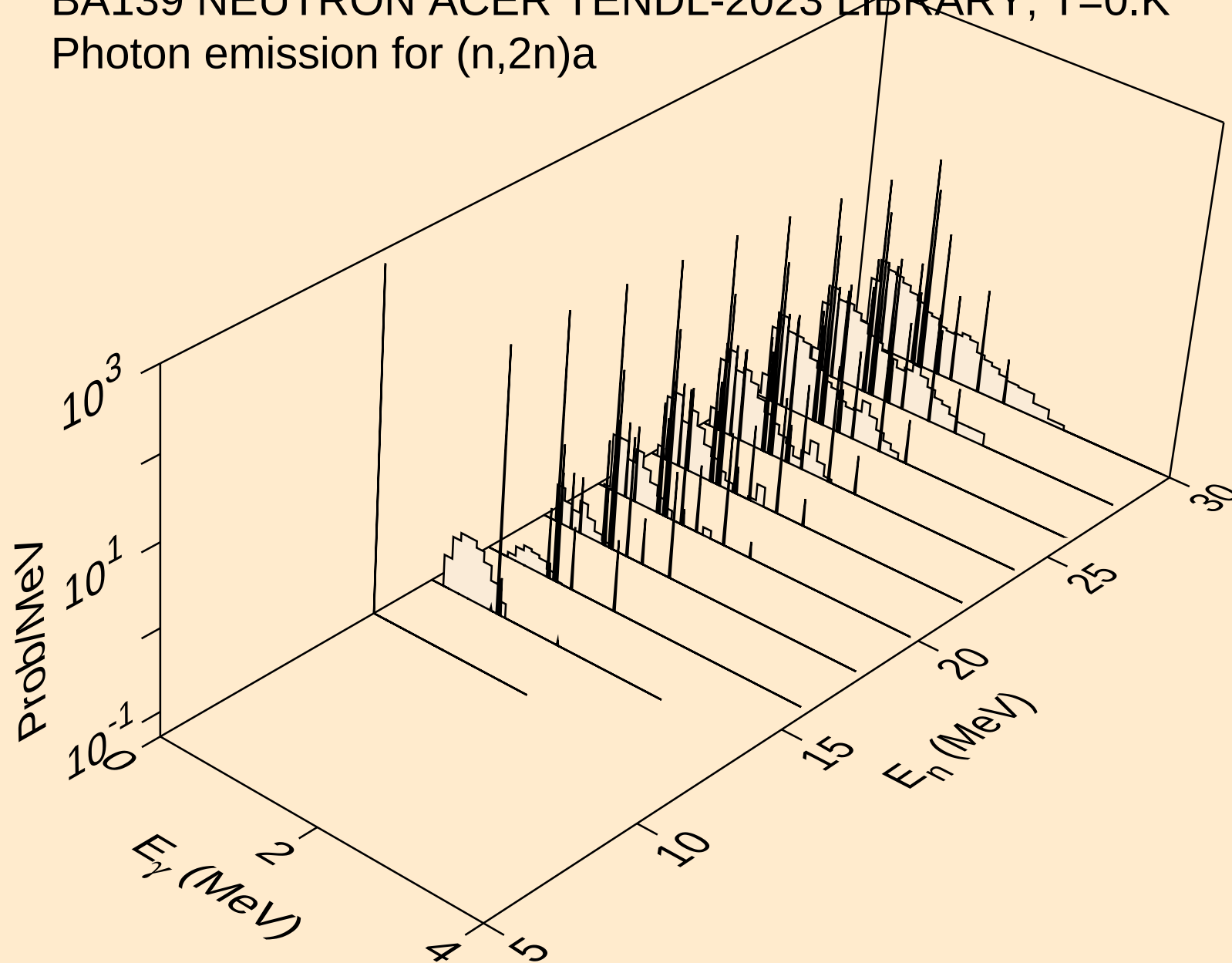
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)a



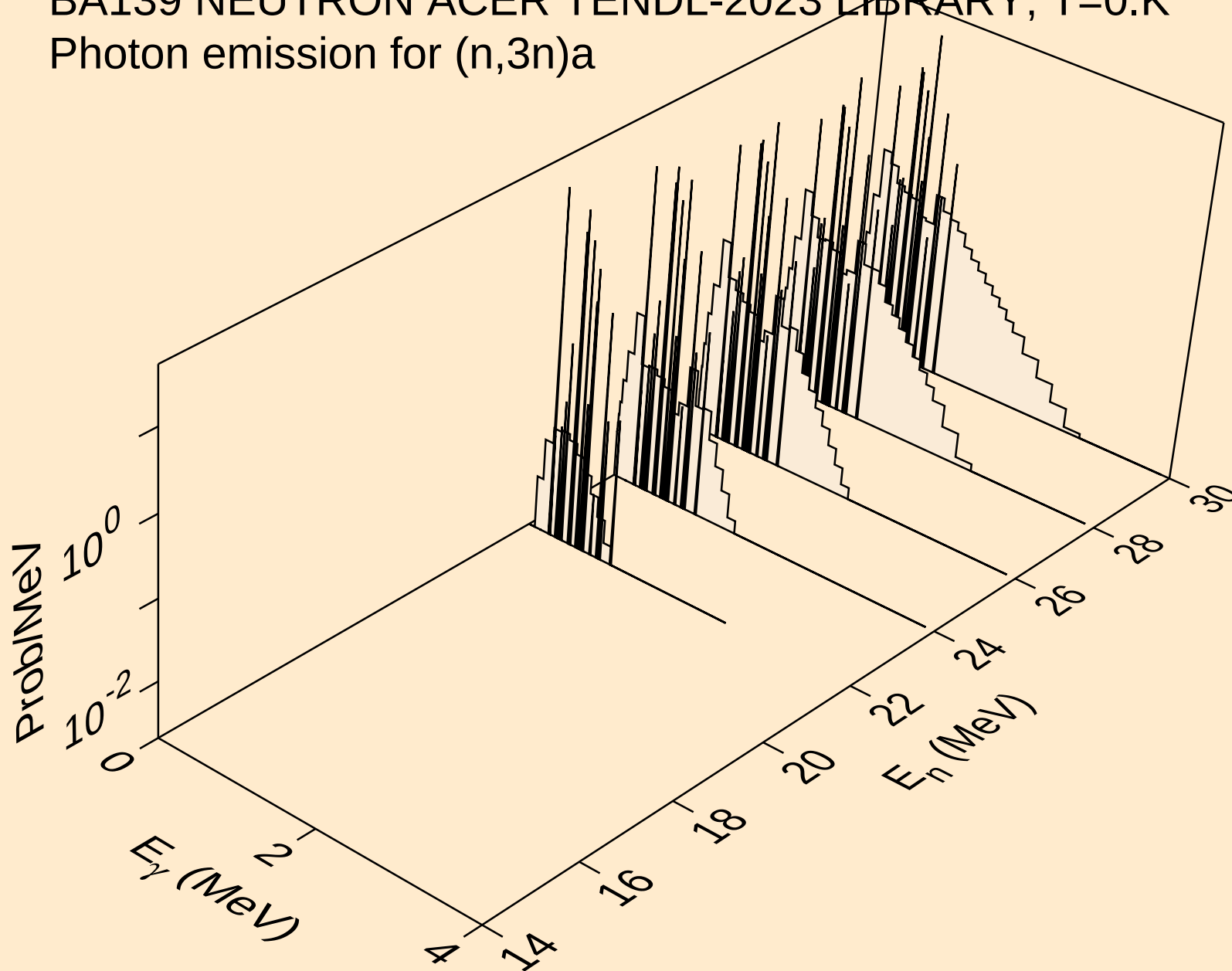
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



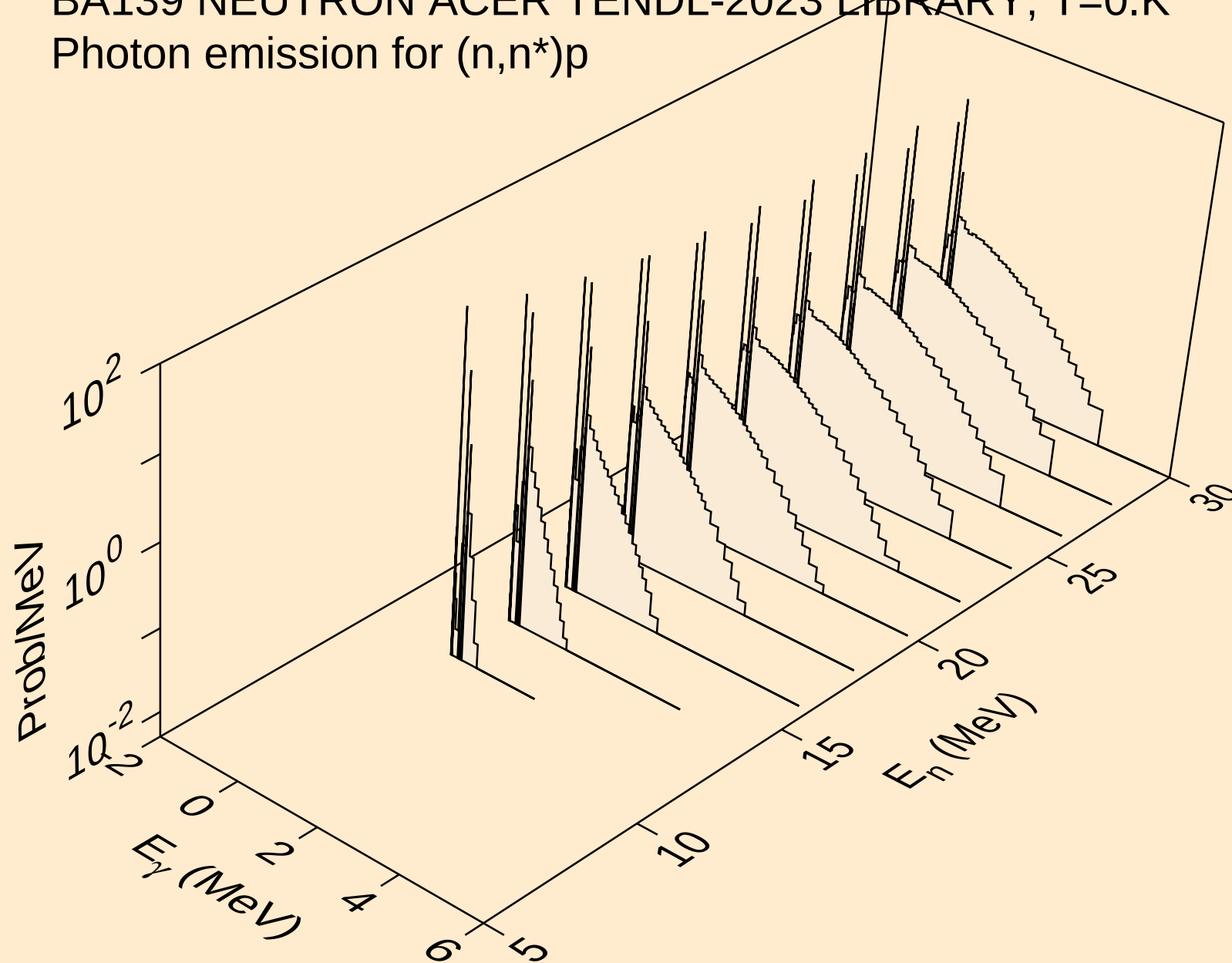
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n)a



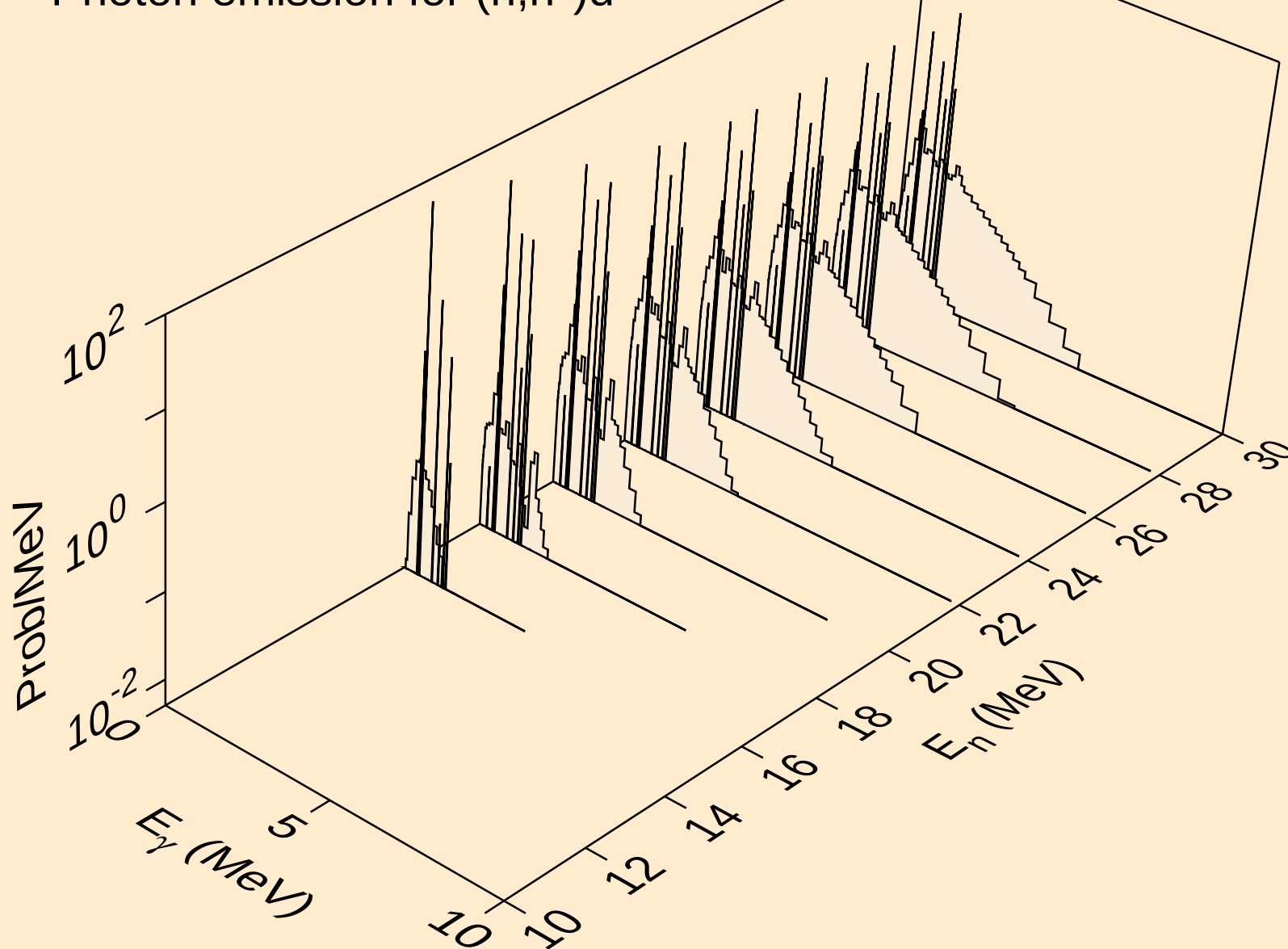
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p



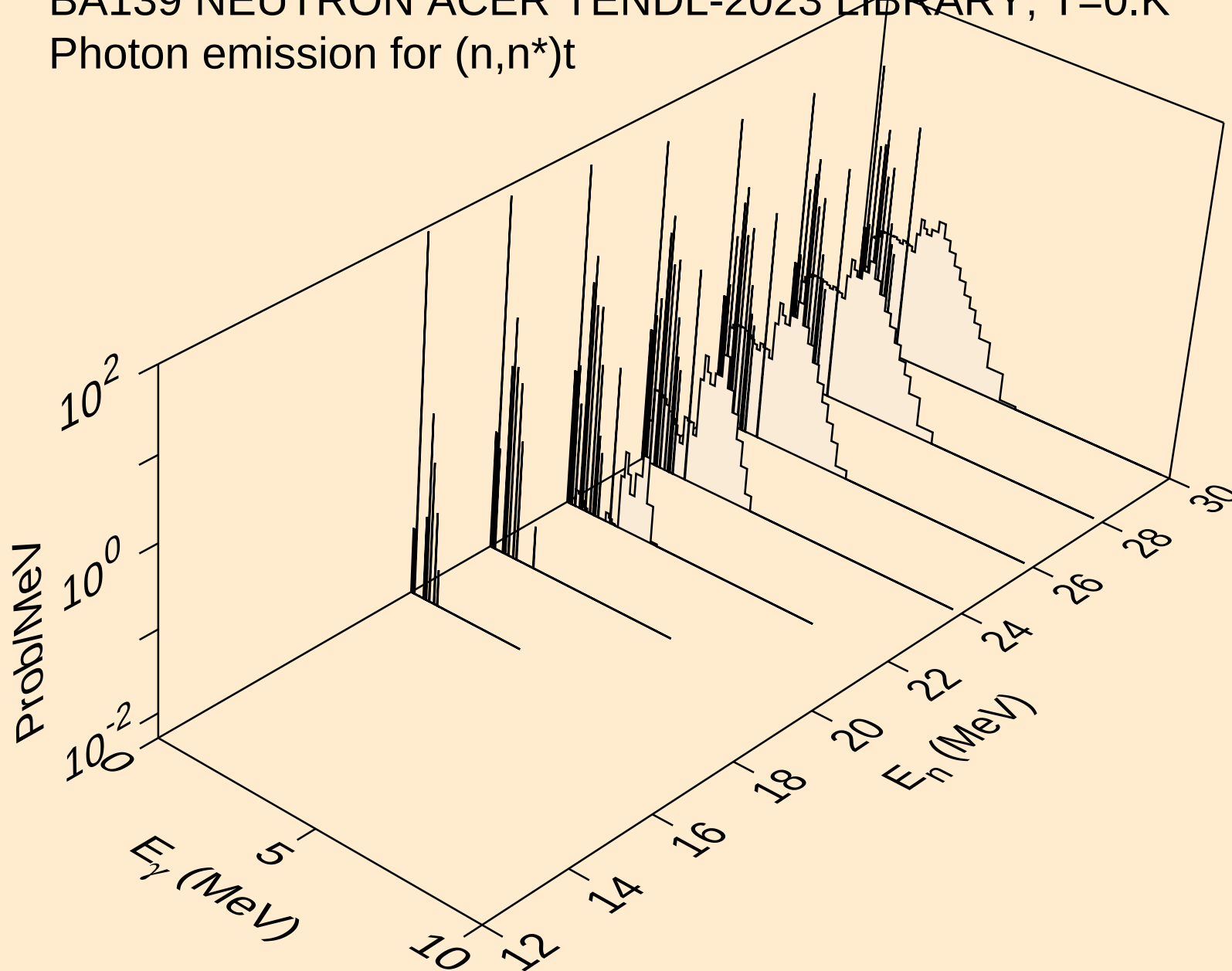
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

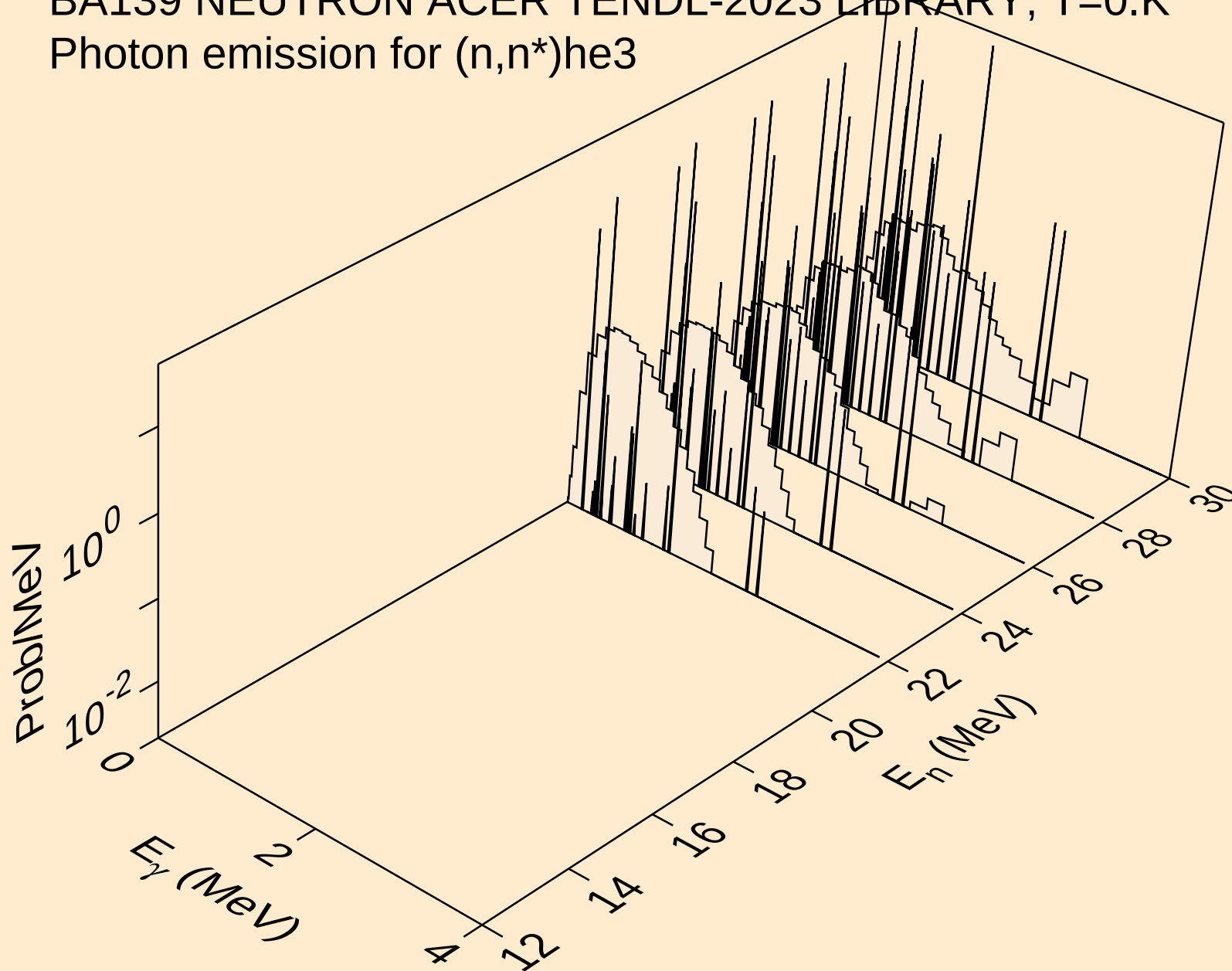


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

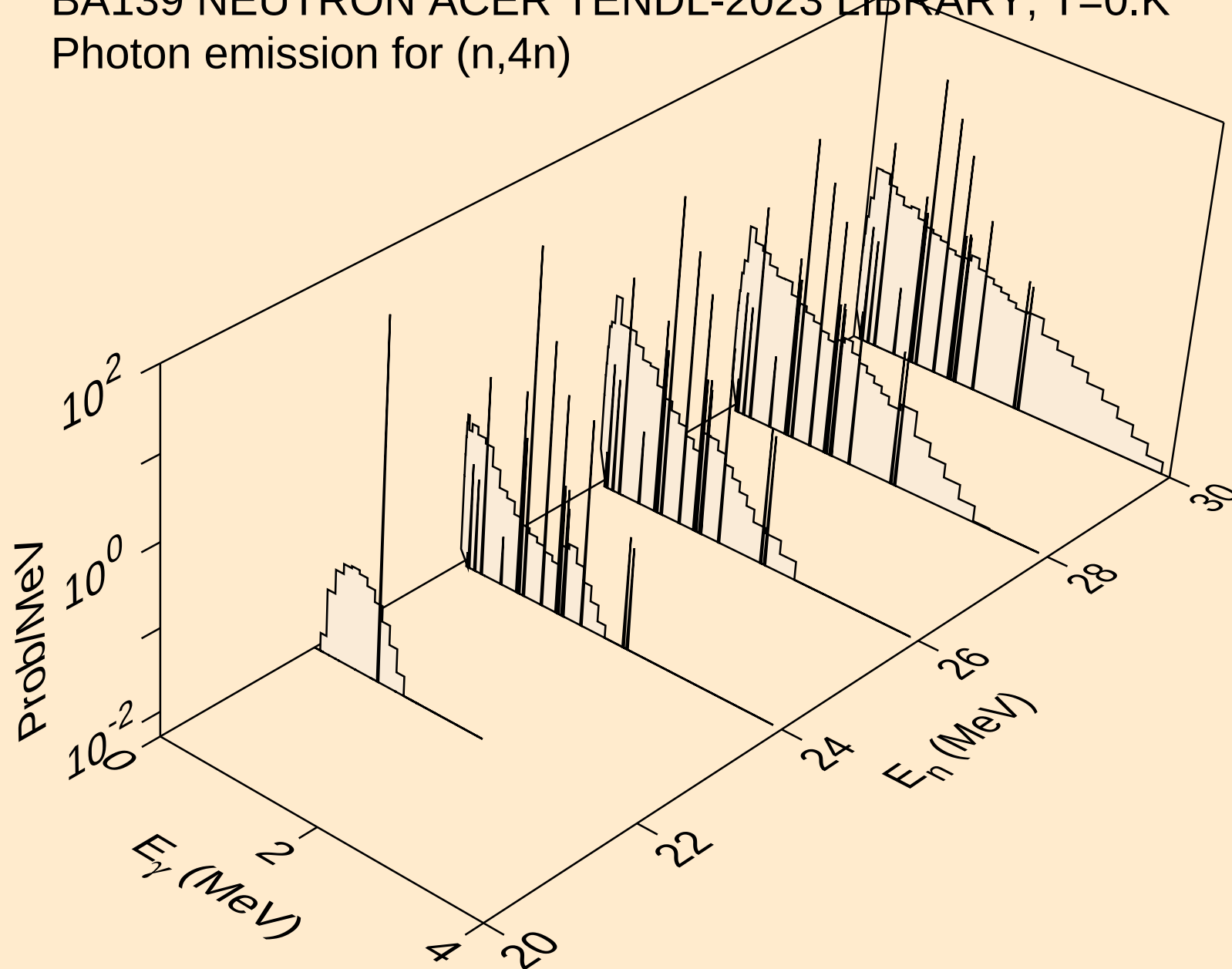
Photon emission for (n,n*)t



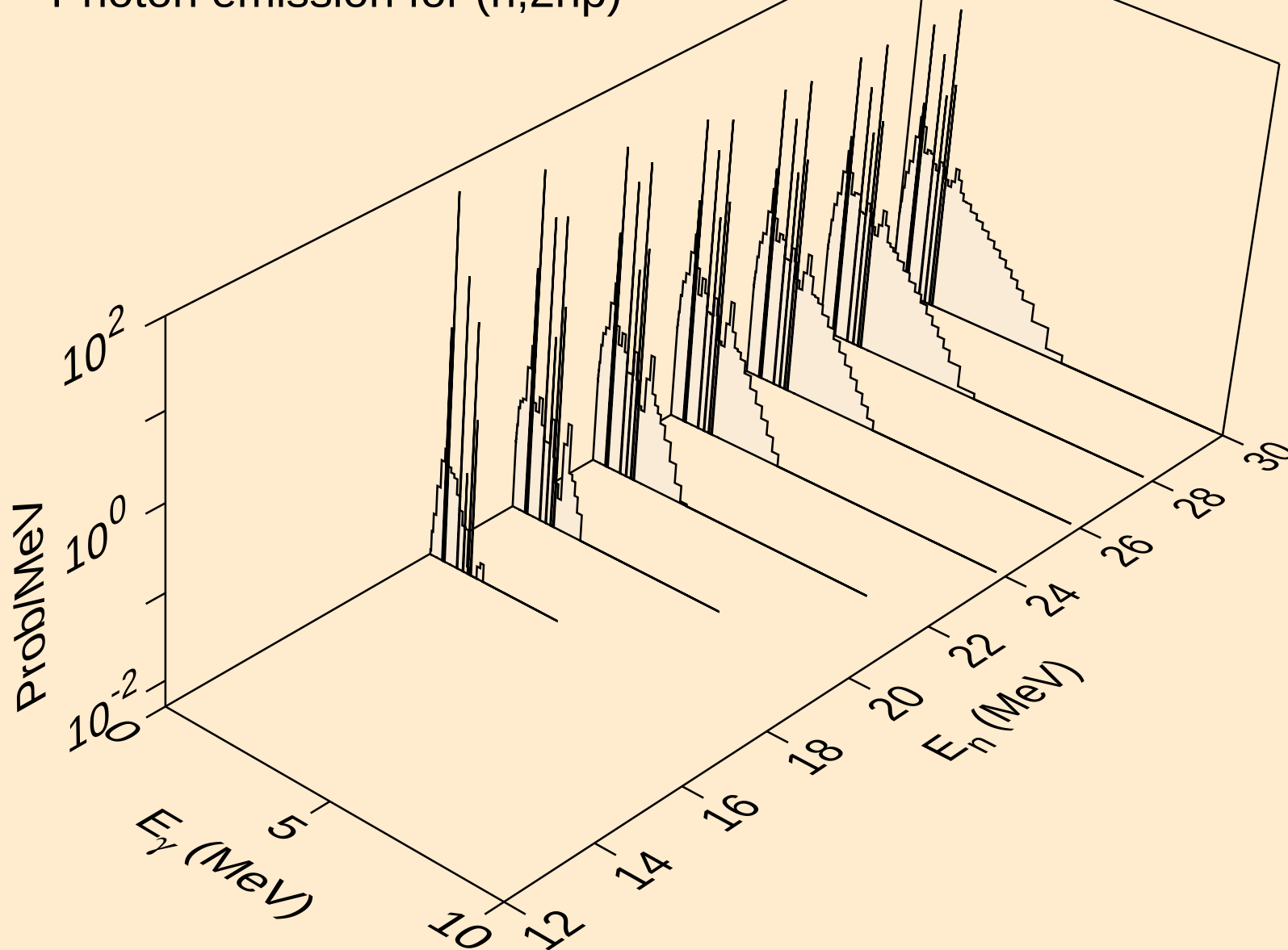
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



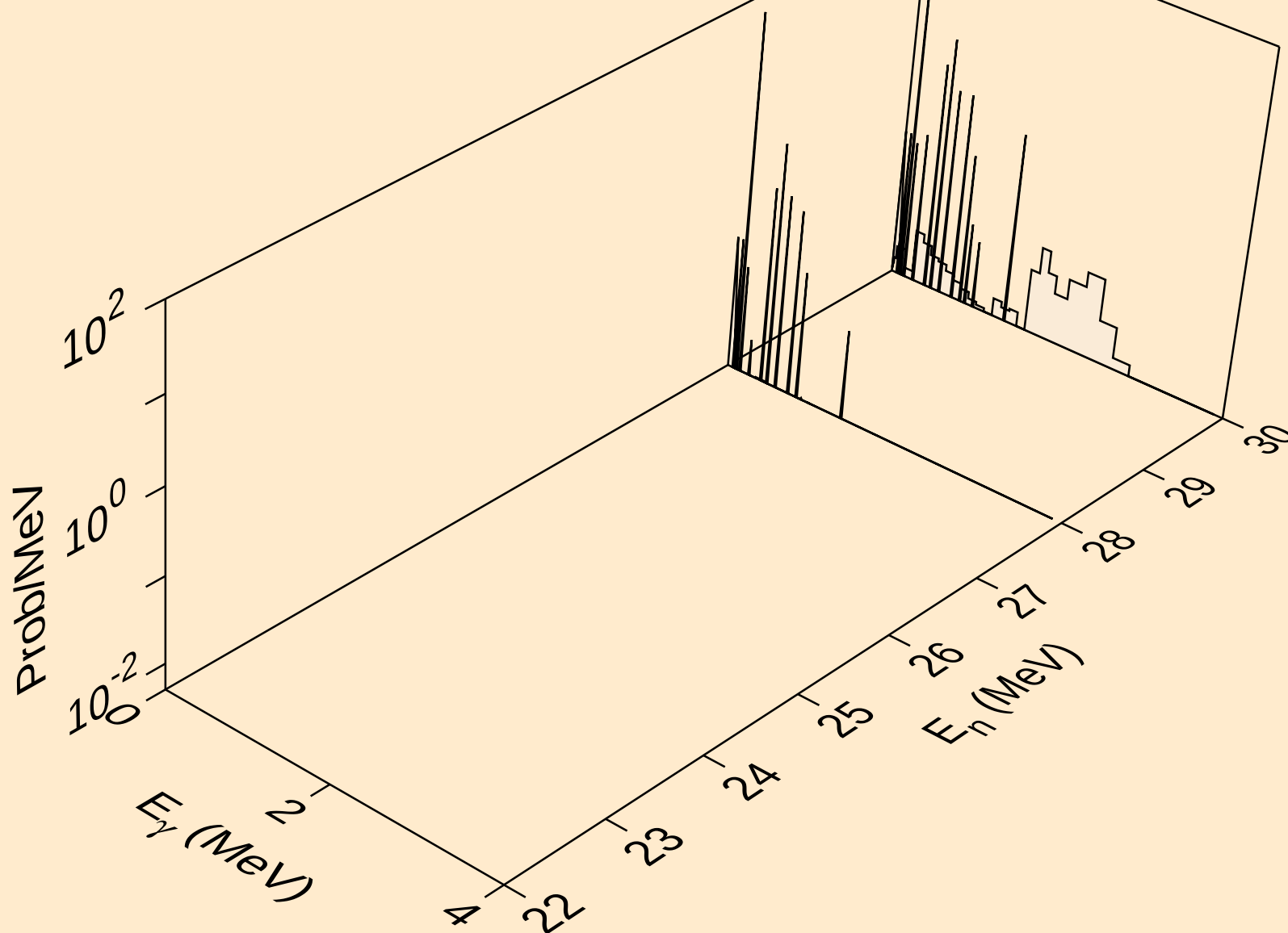
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



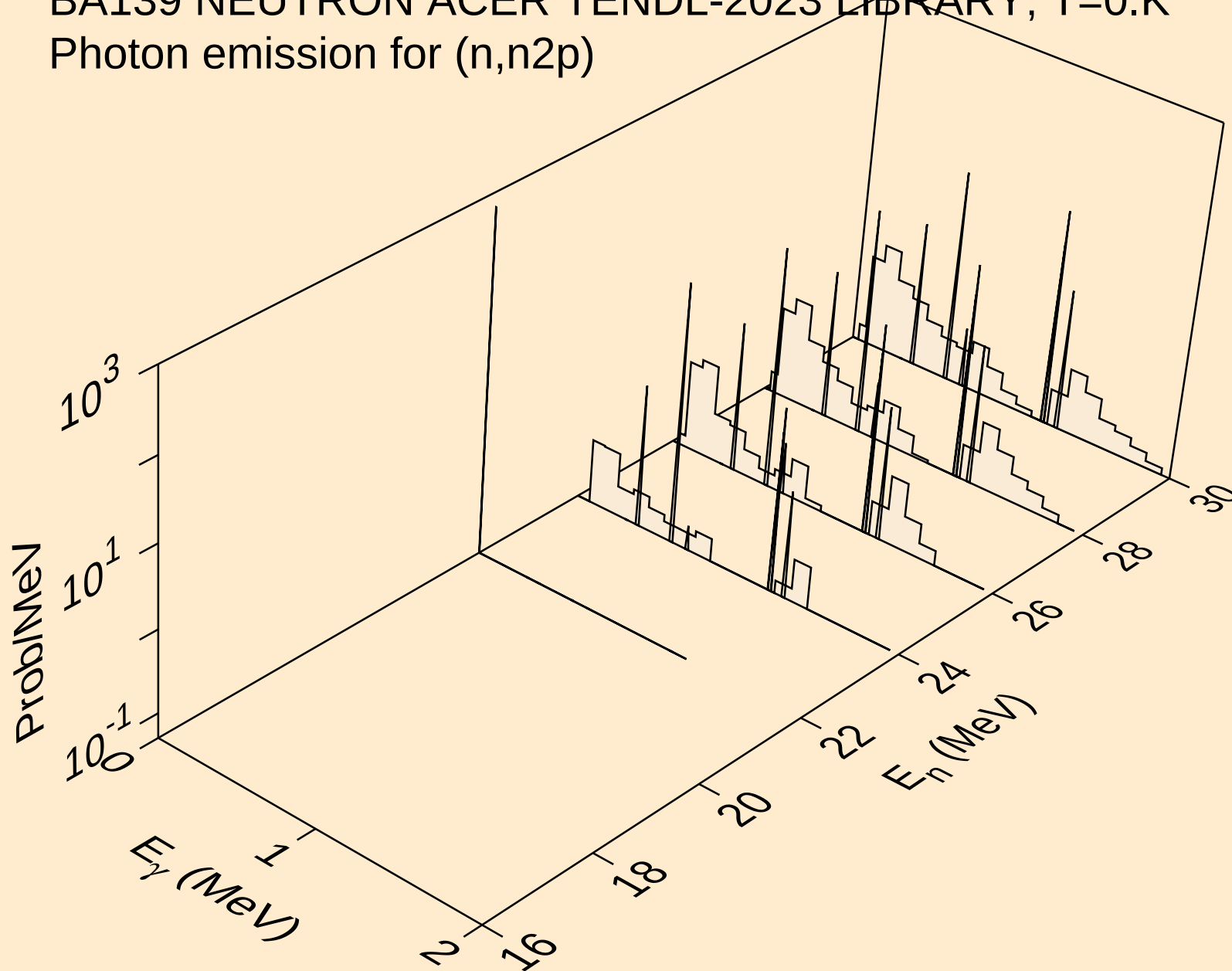
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



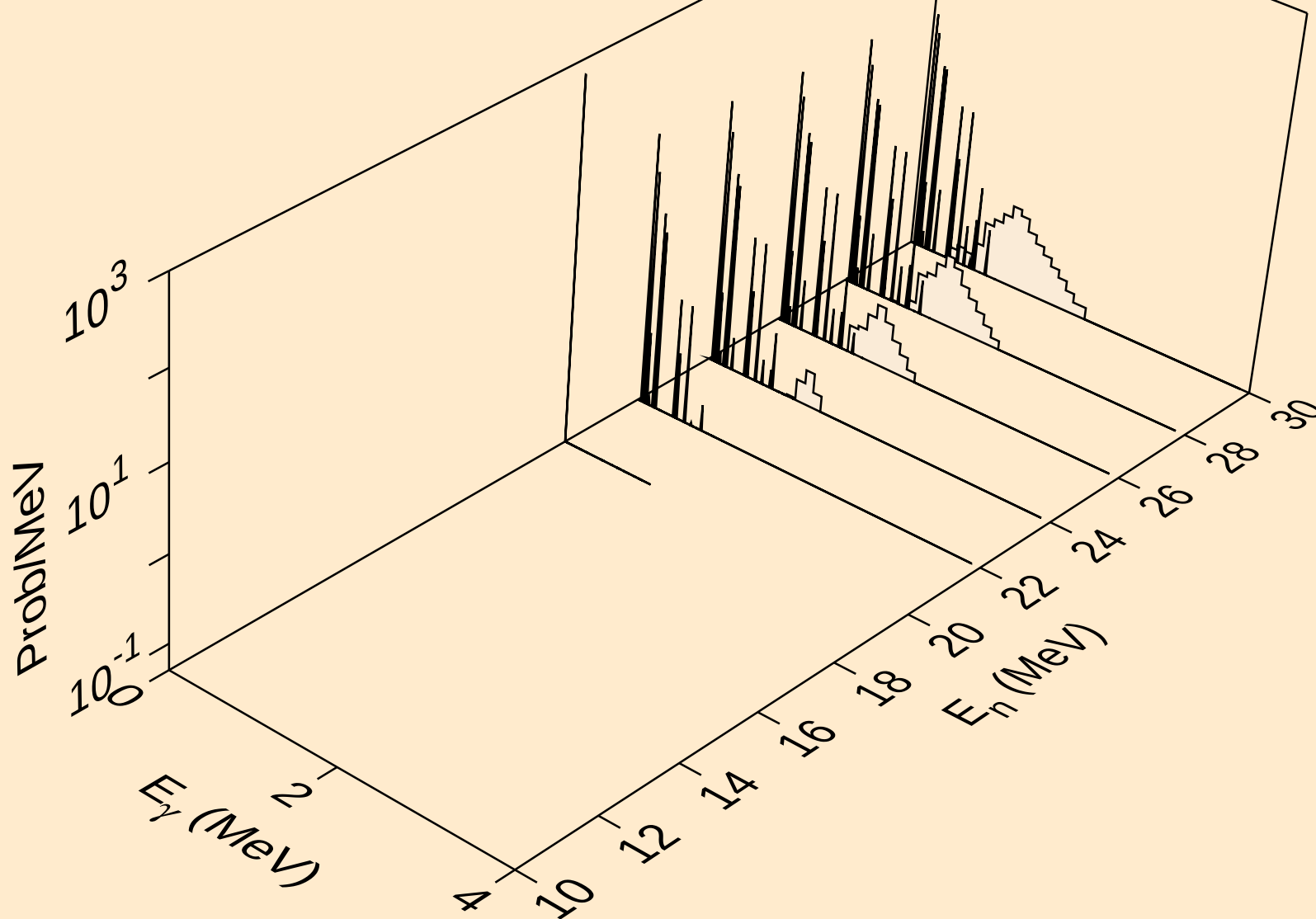
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



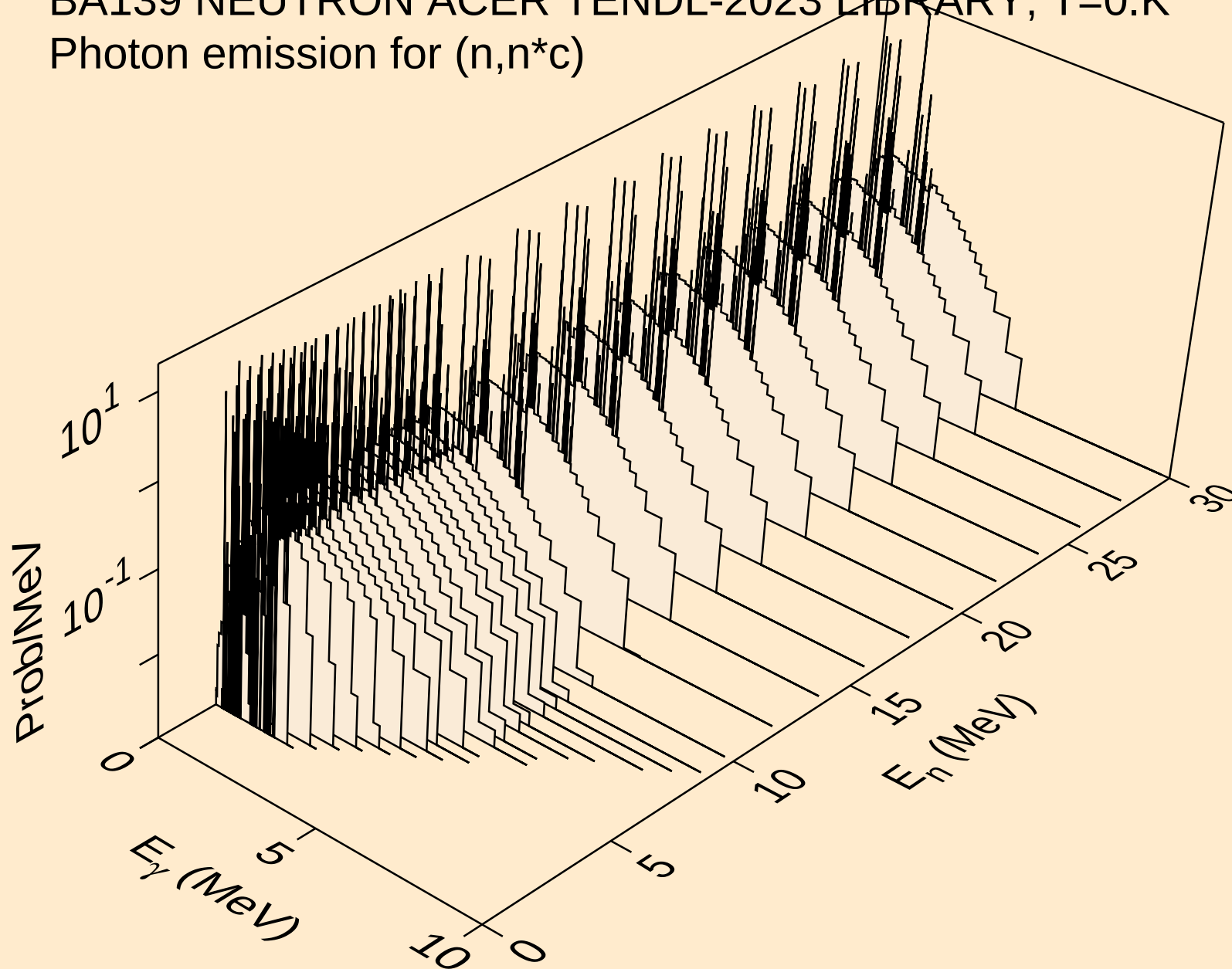
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



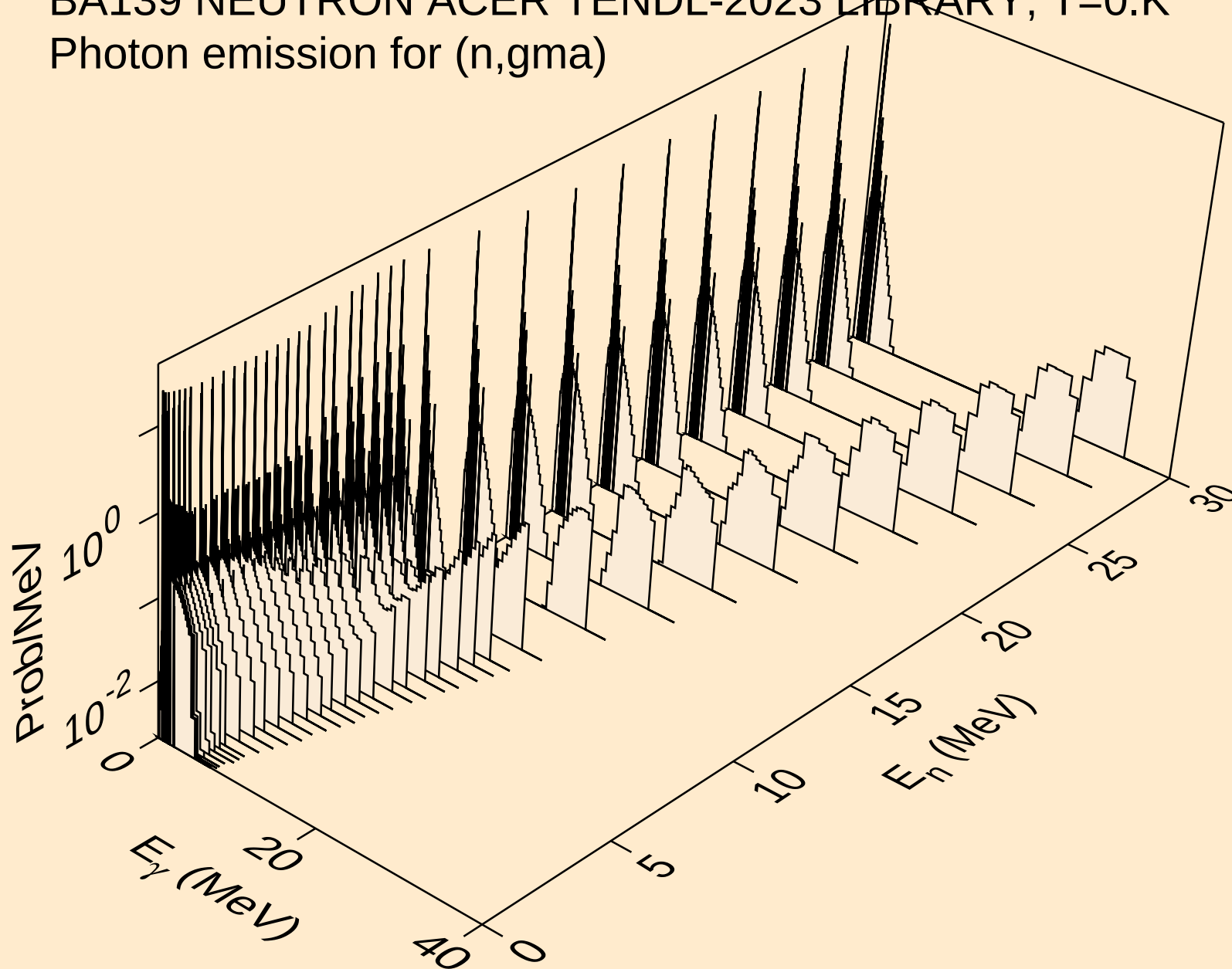
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



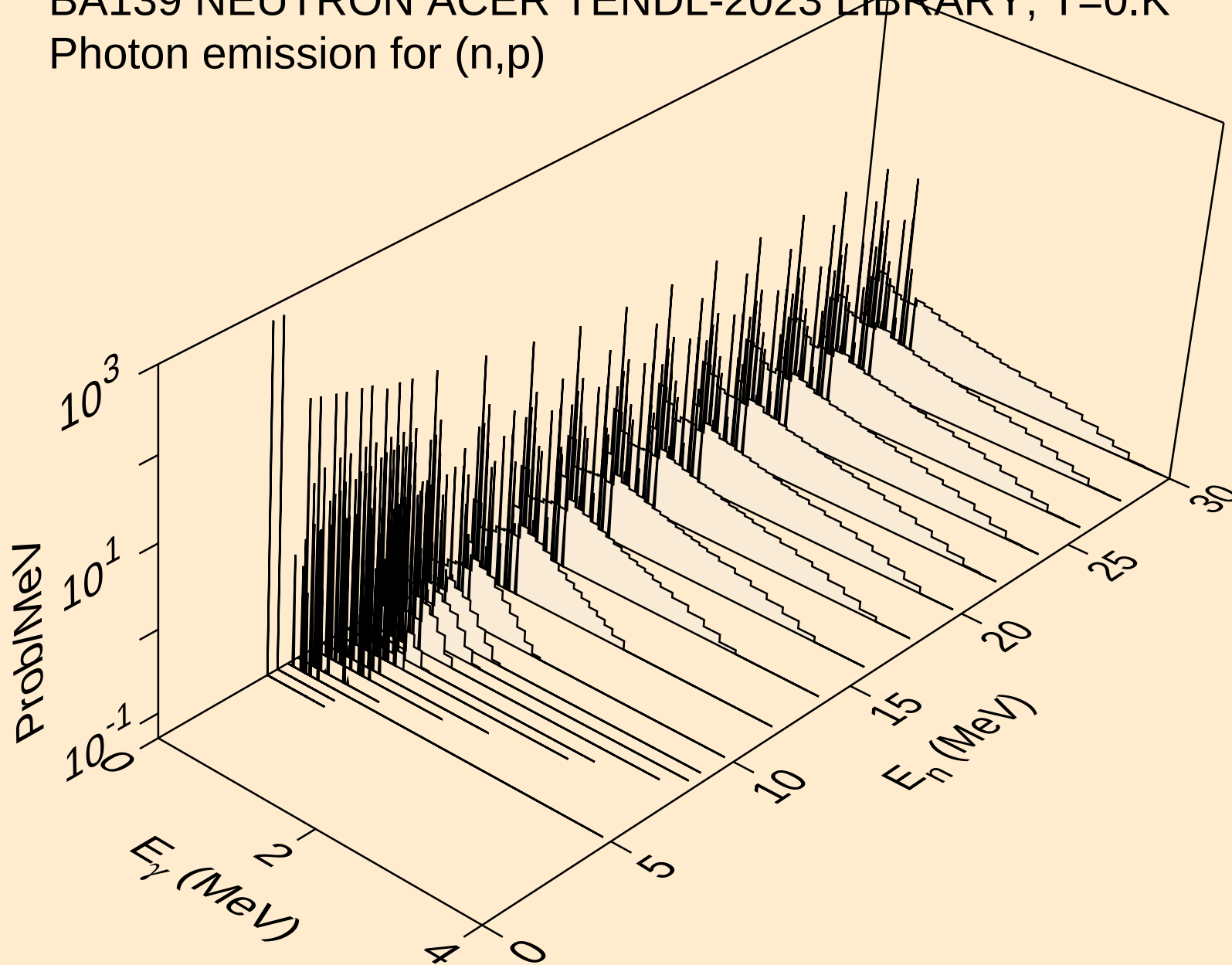
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



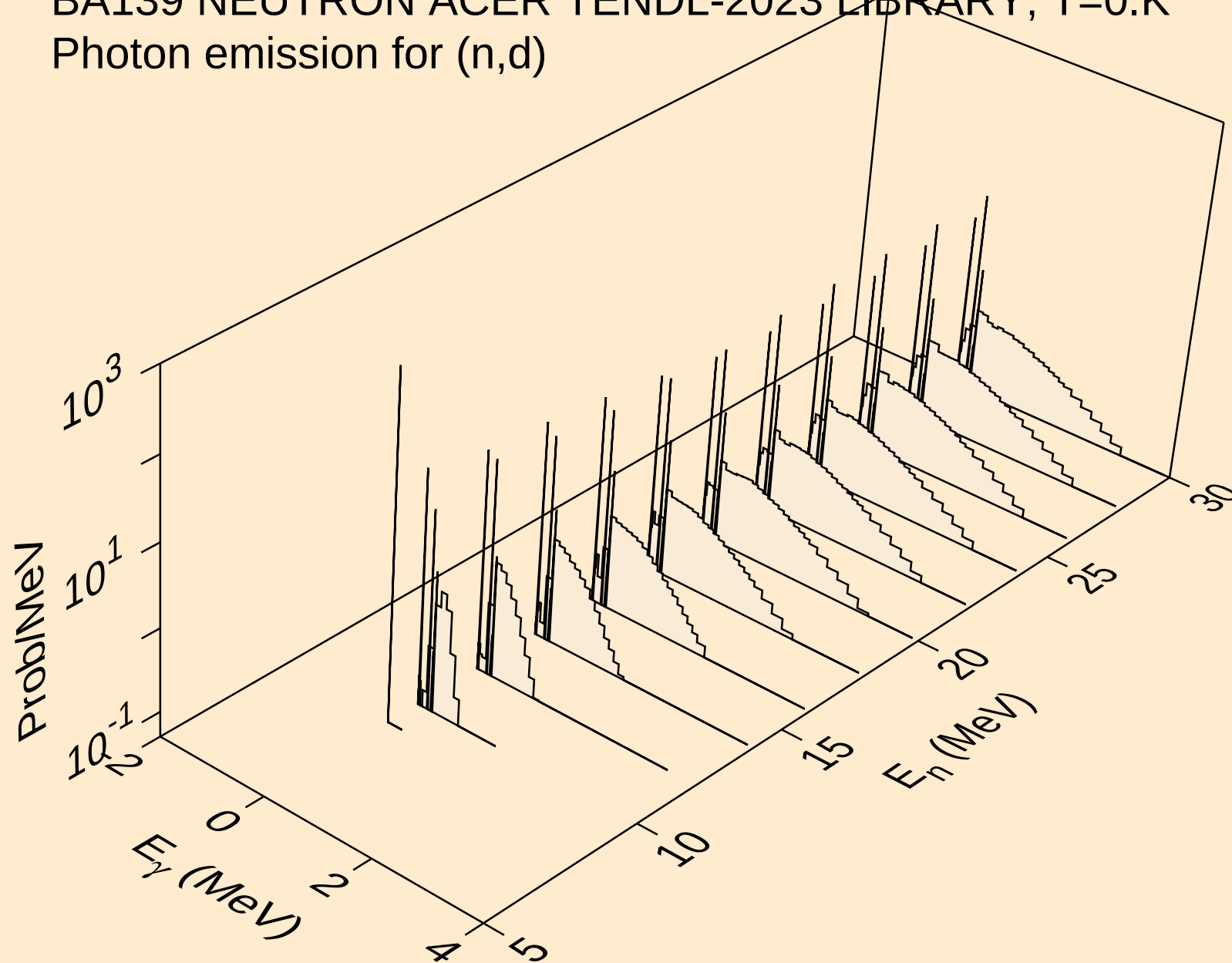
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



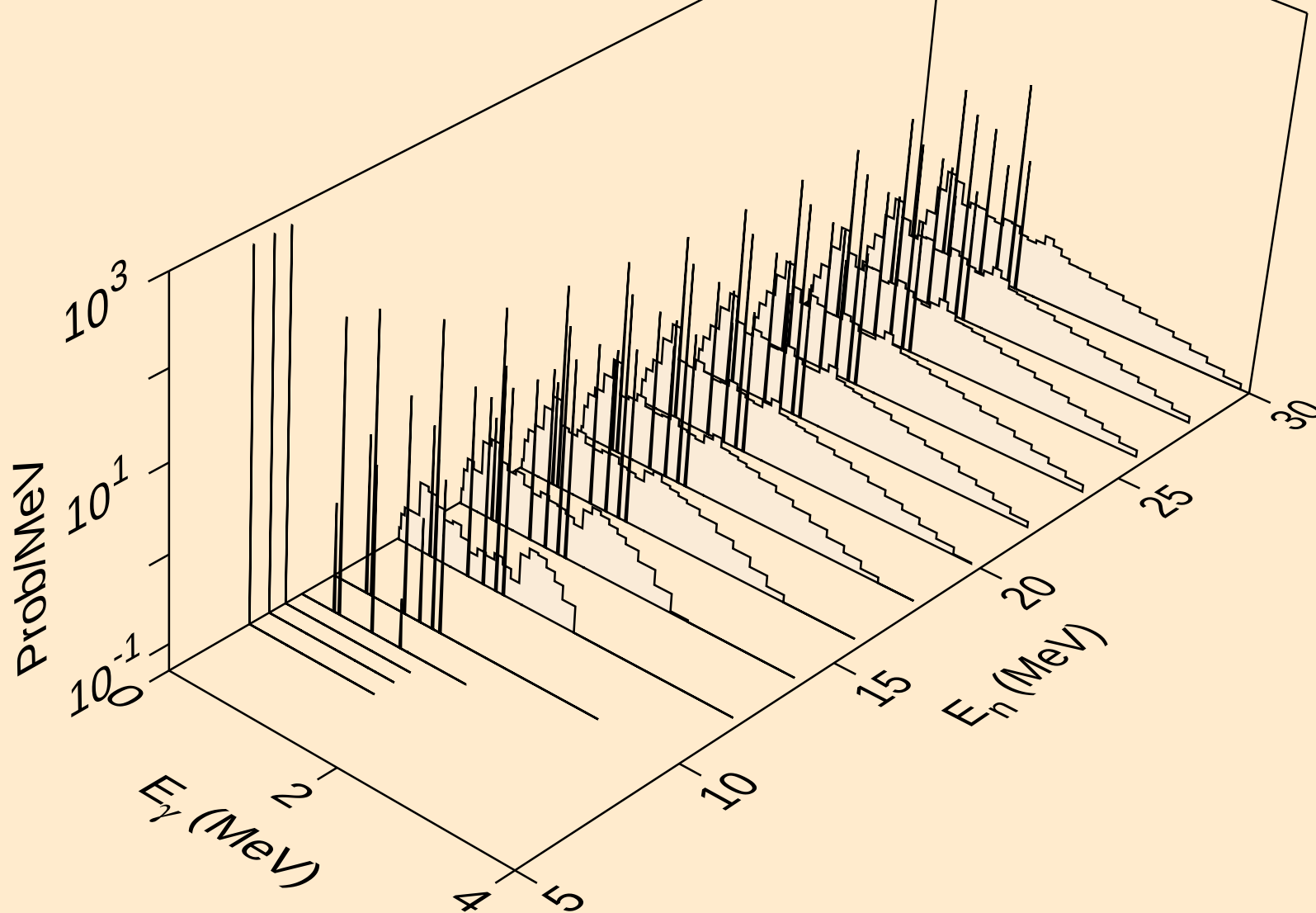
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



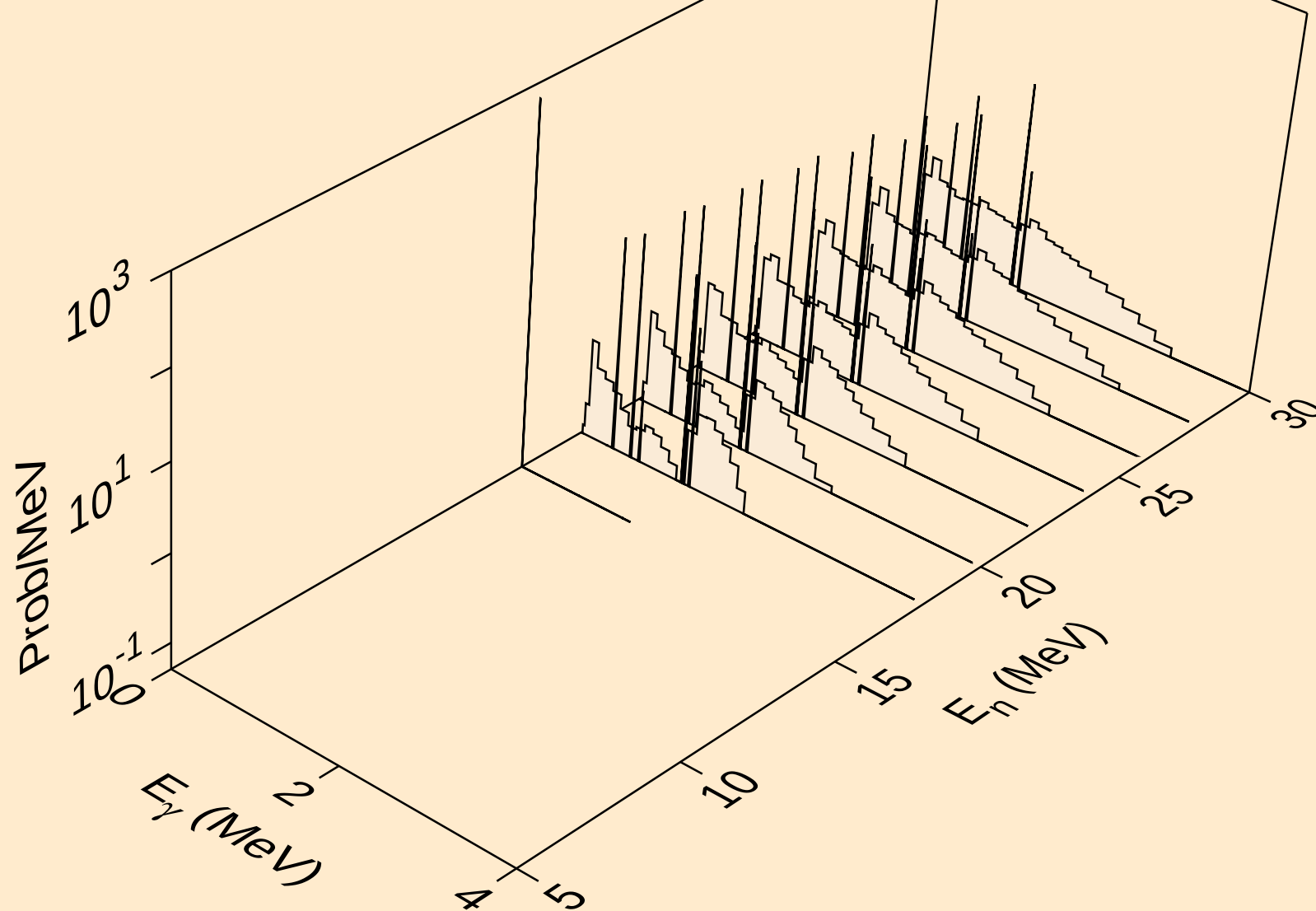
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



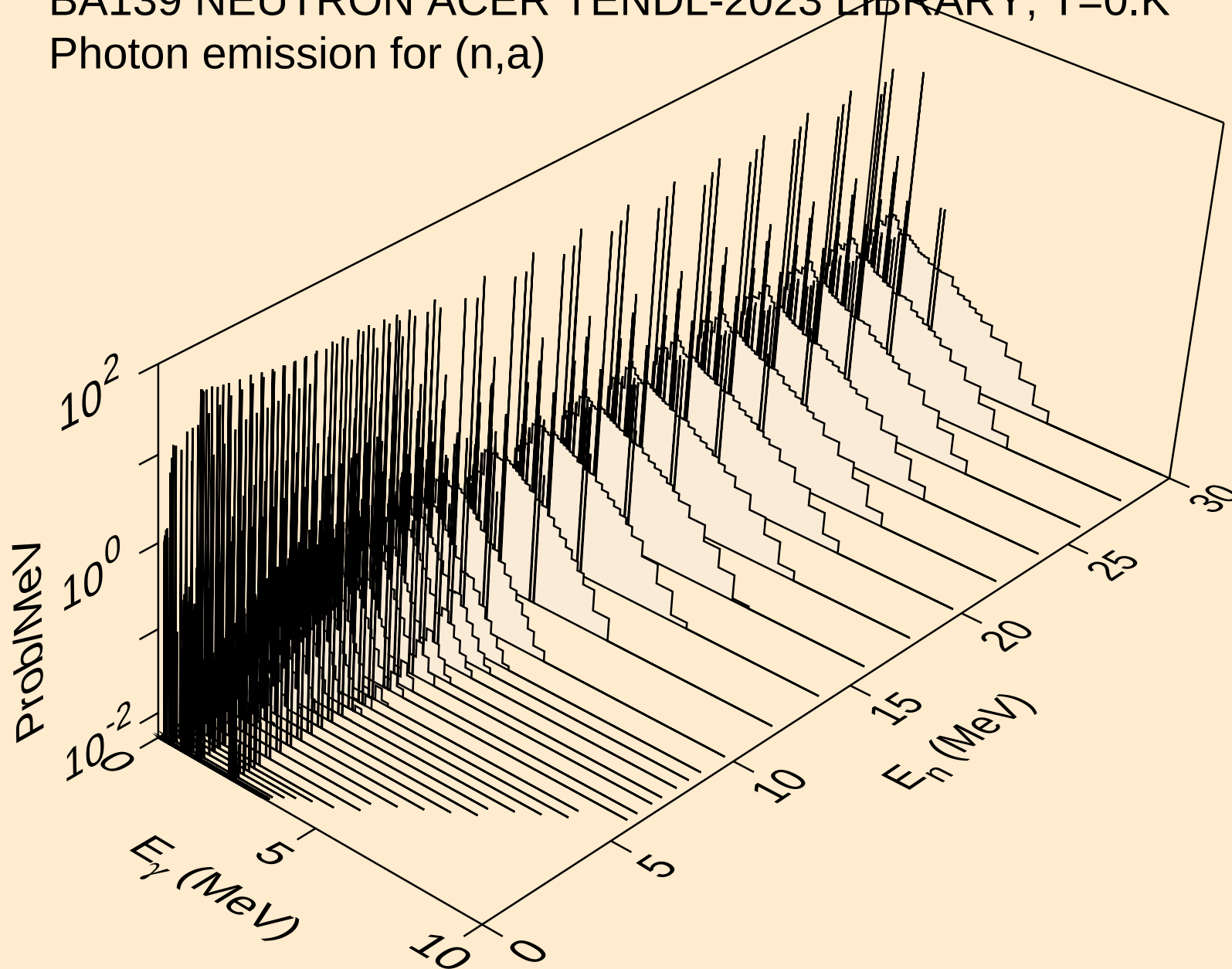
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



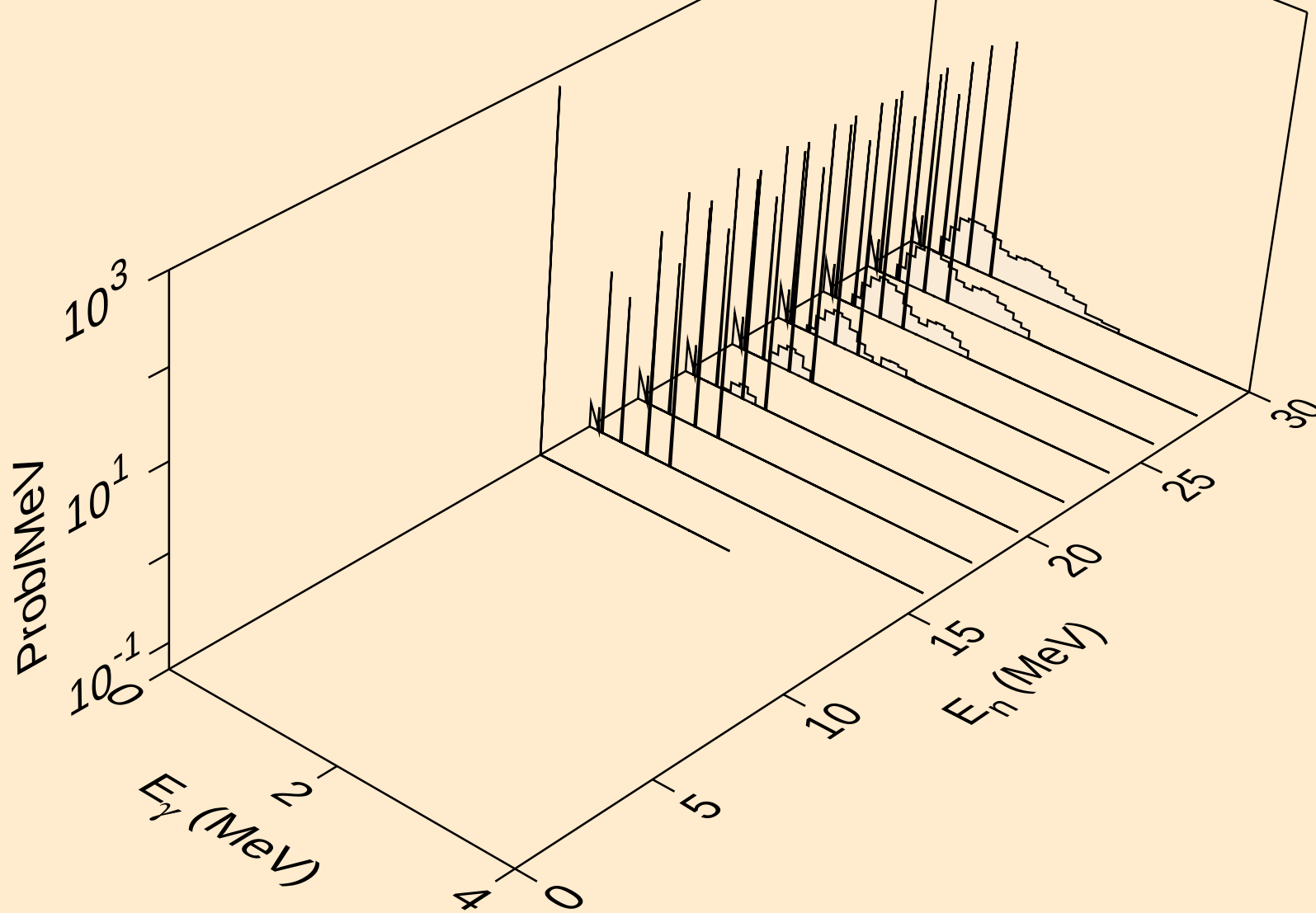
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



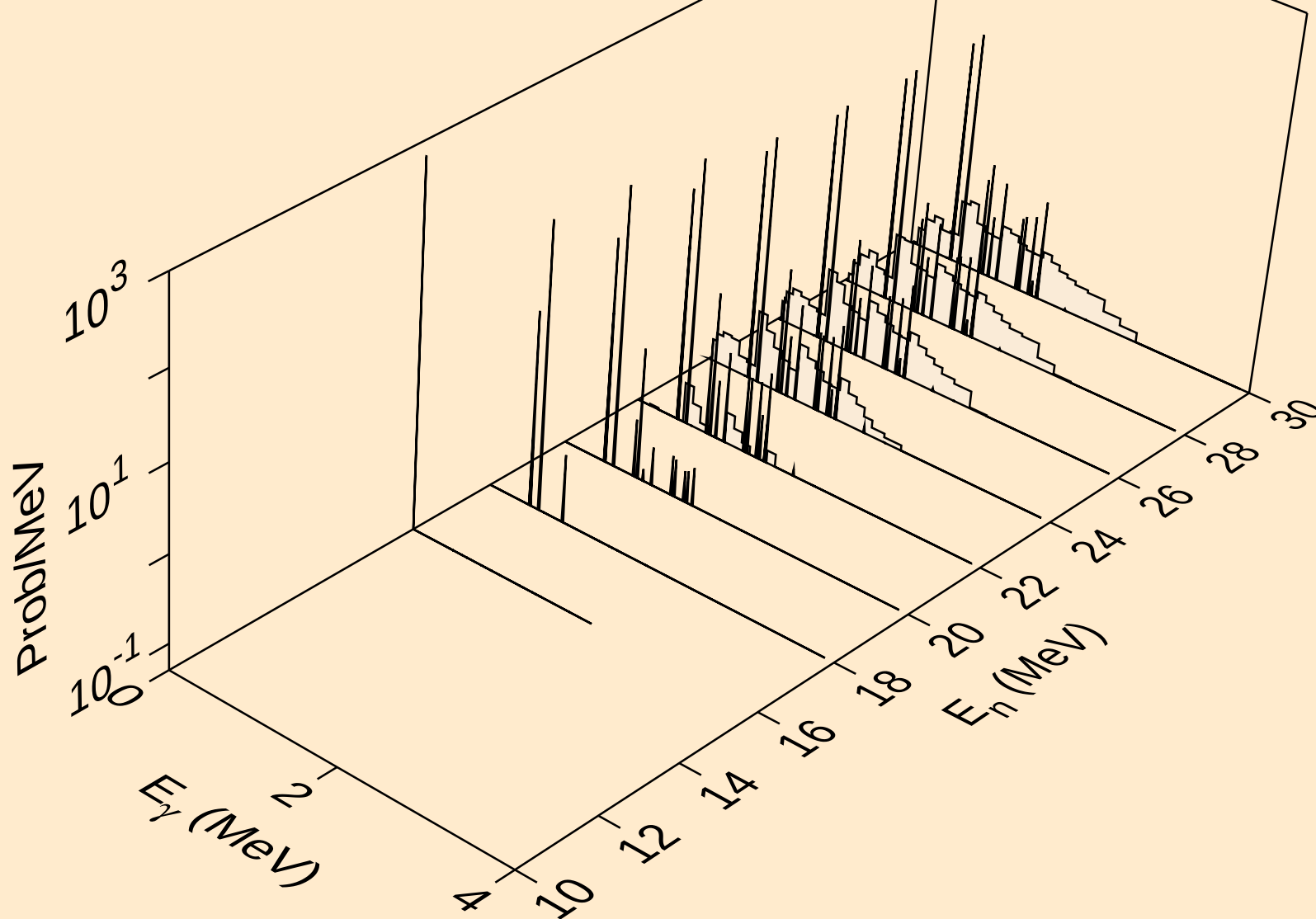
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



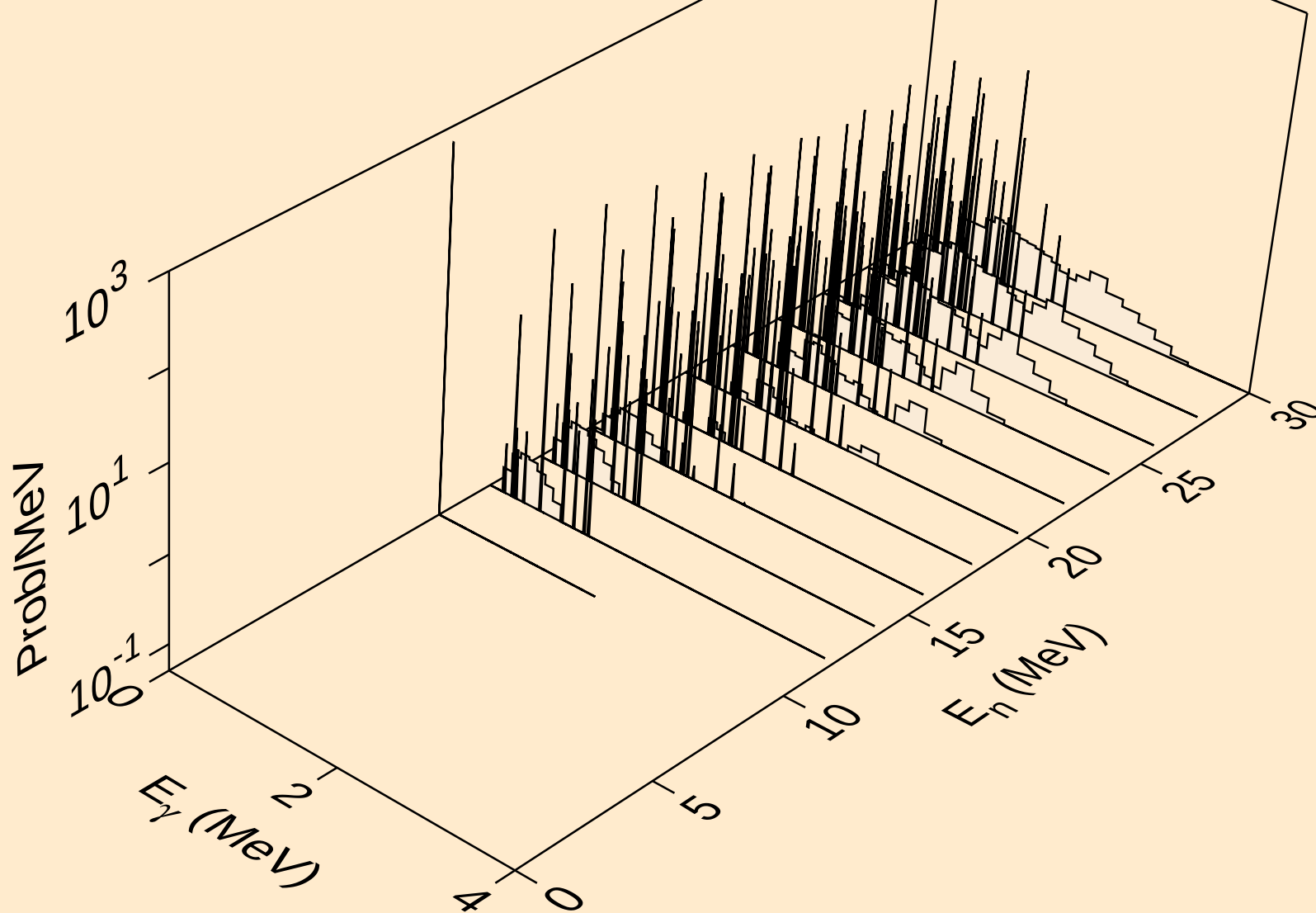
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



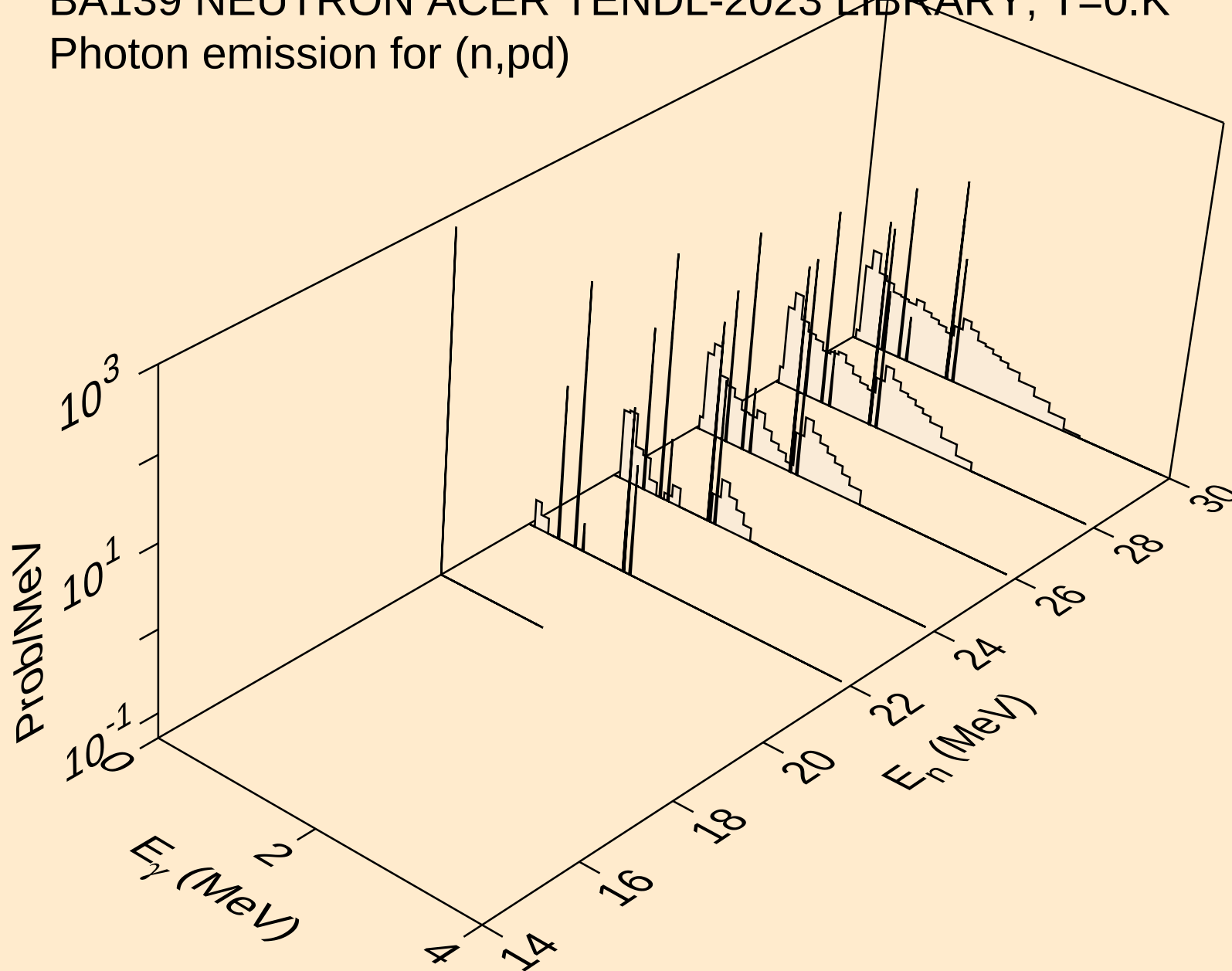
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)

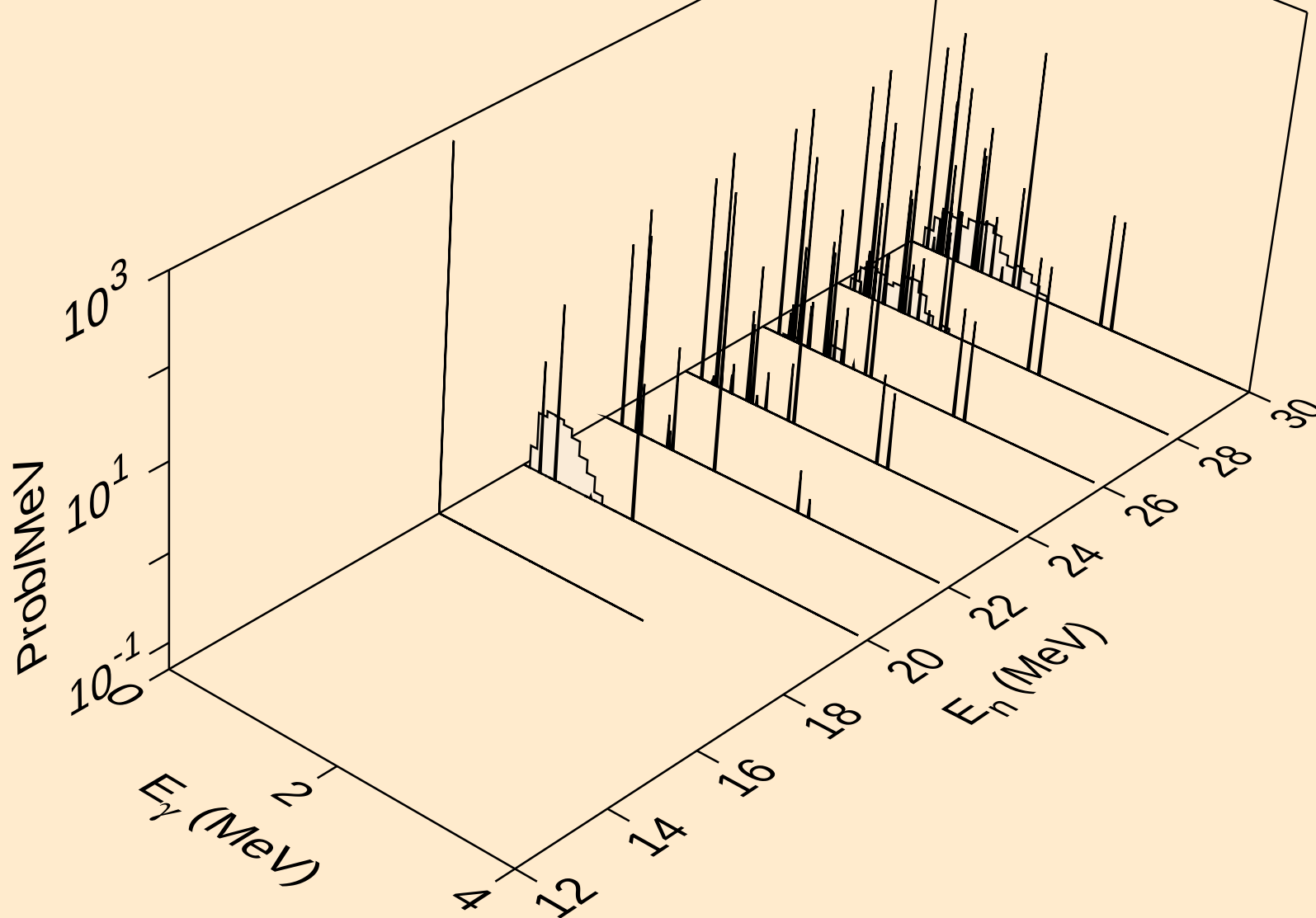


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

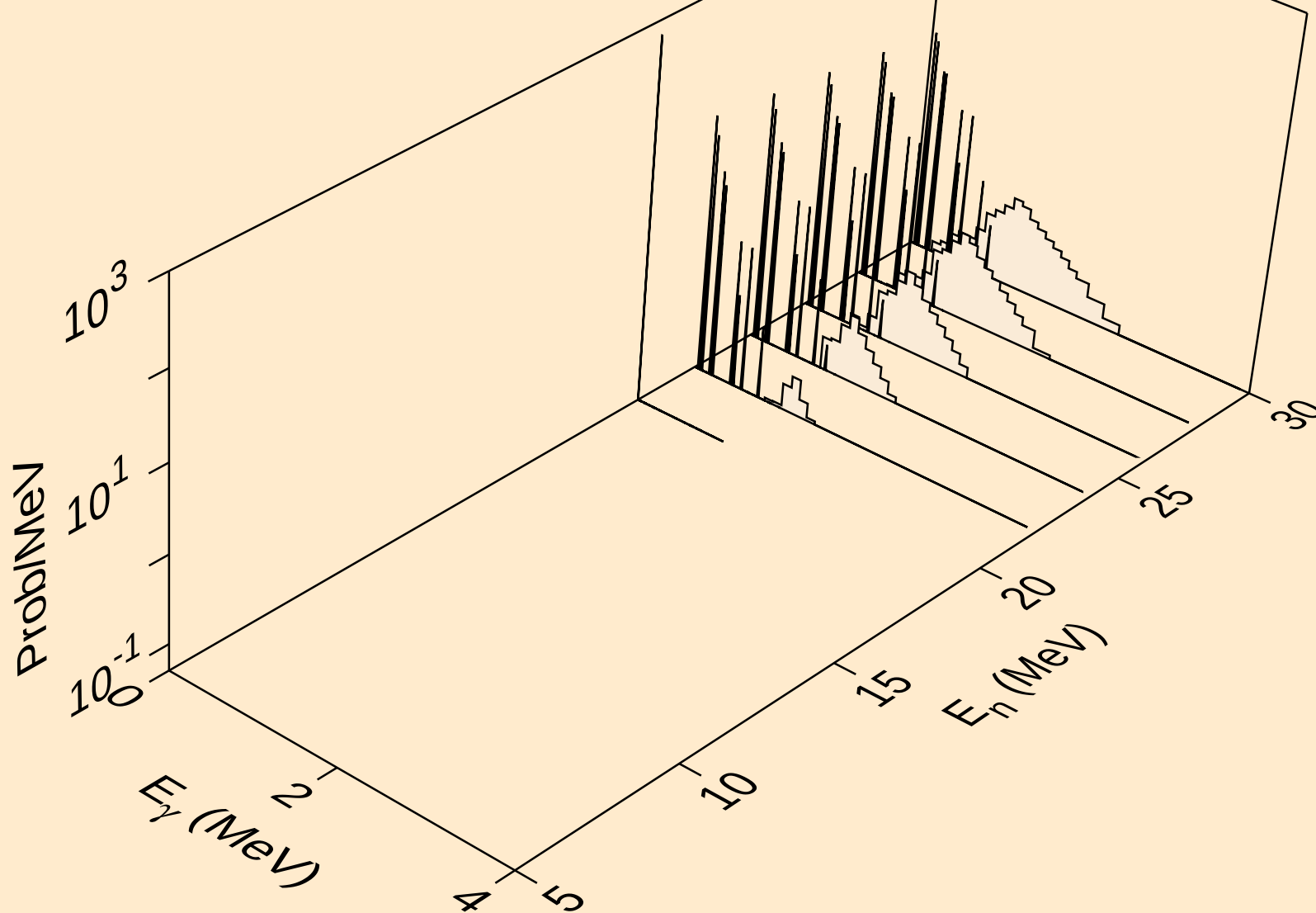


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

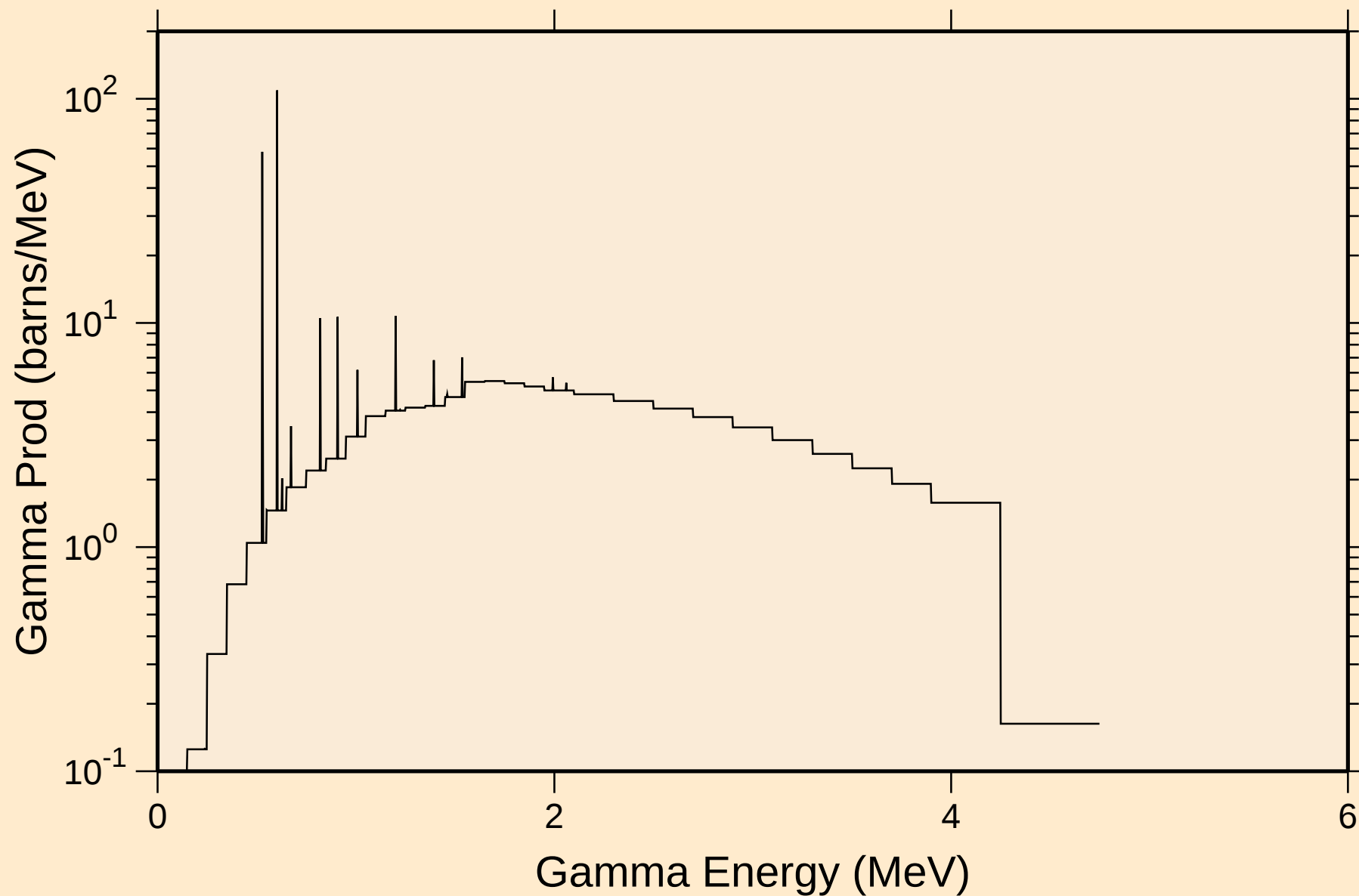
Photon emission for (n,pt)



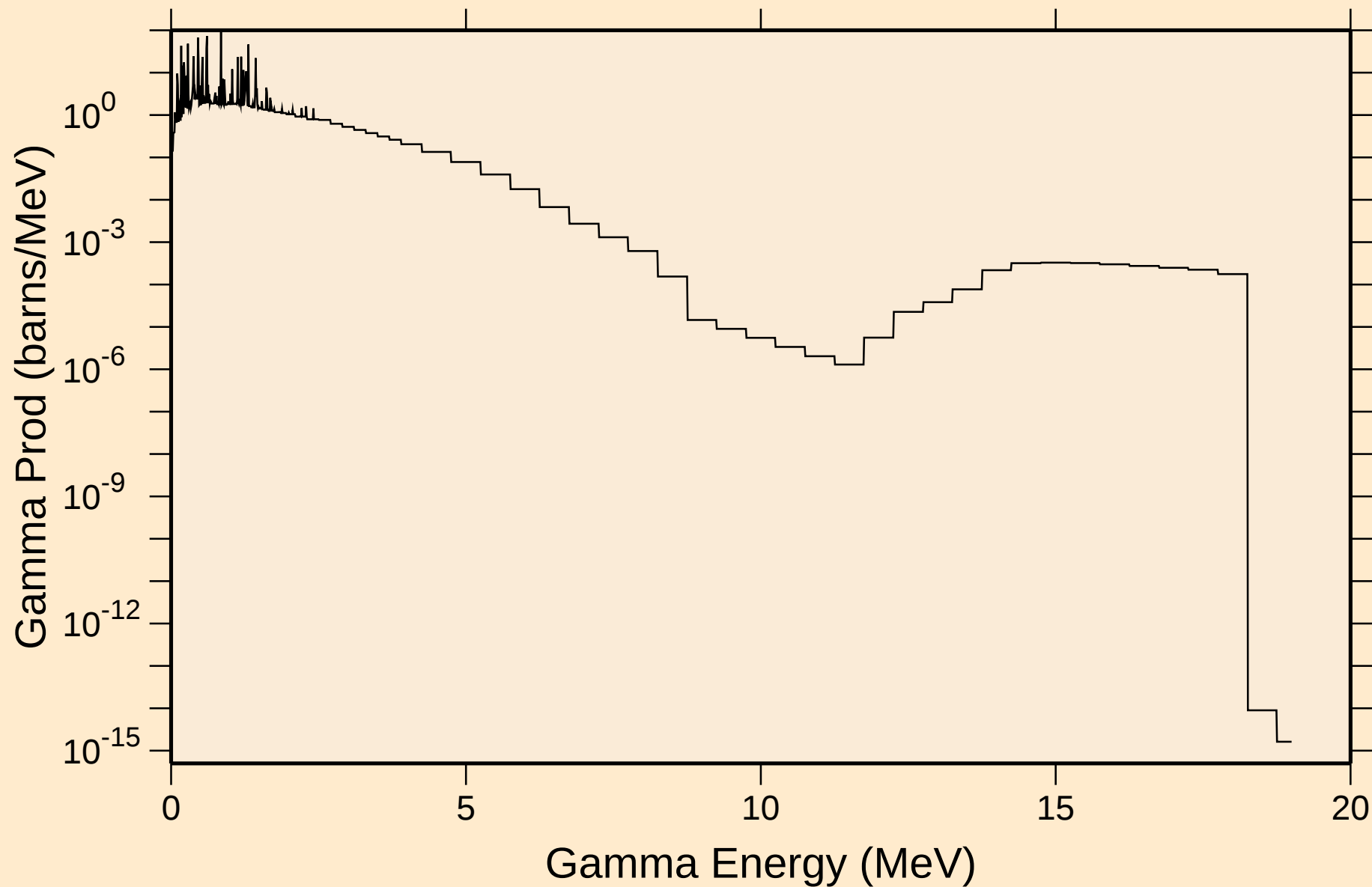
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



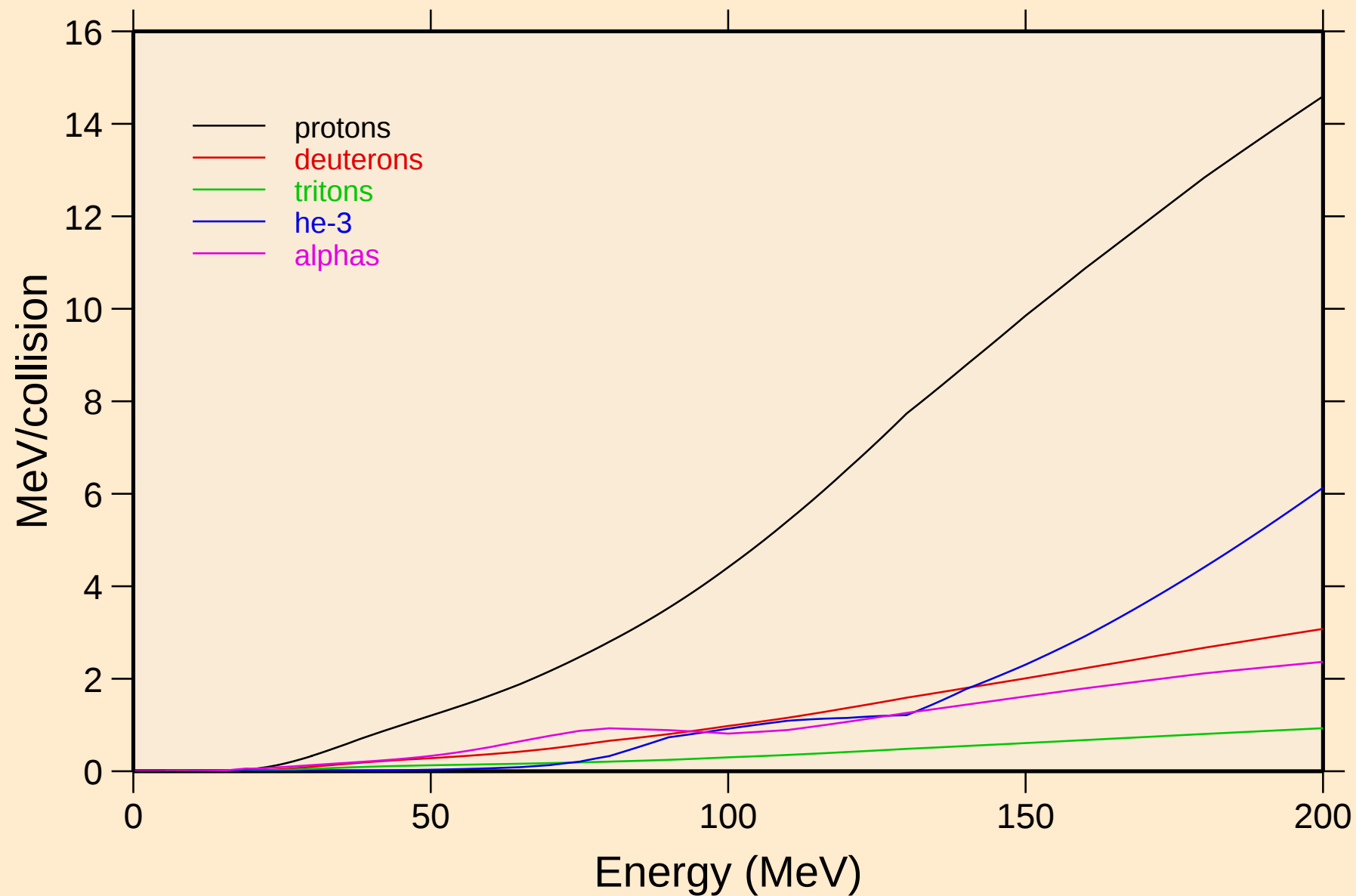
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum



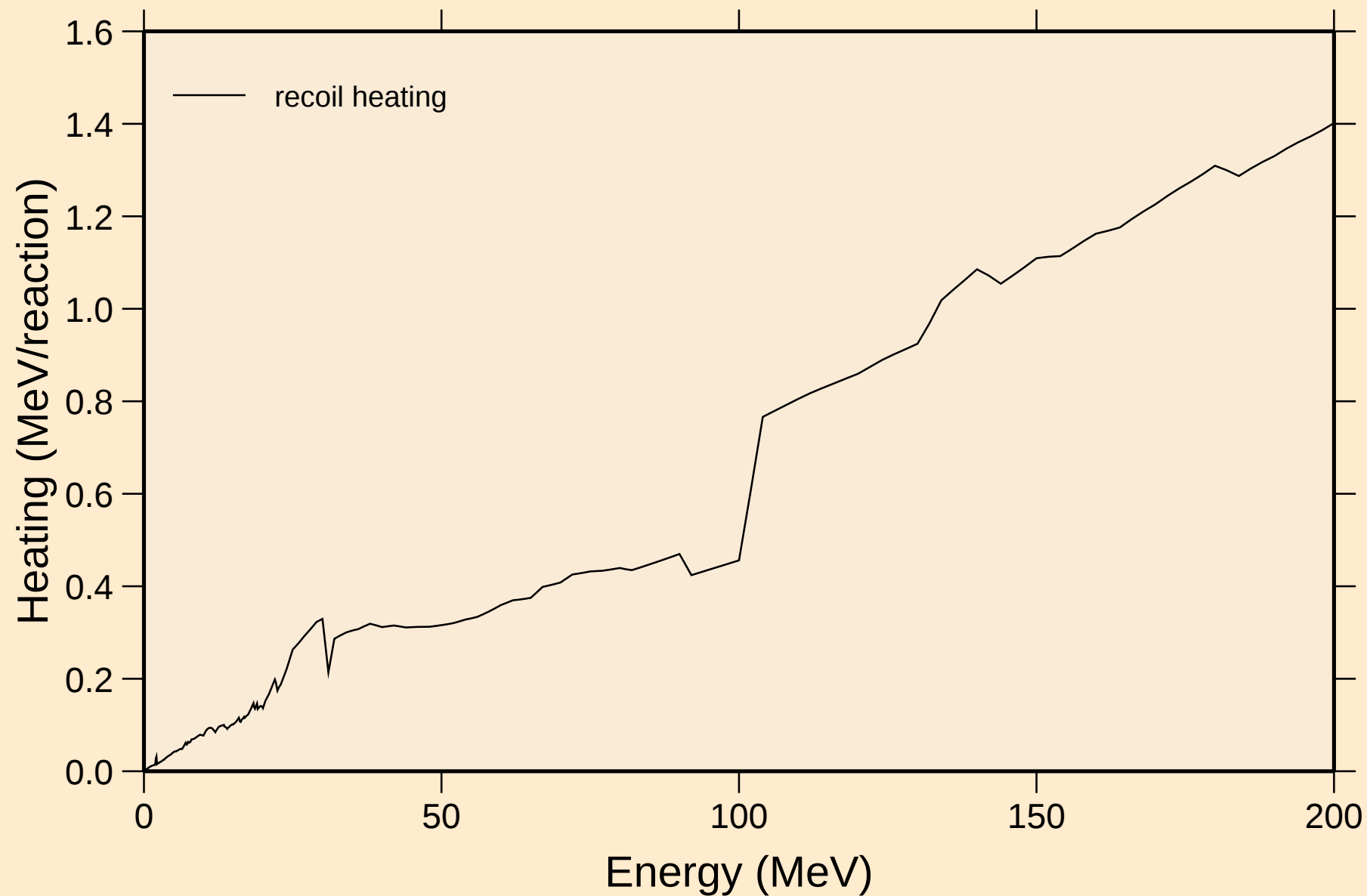
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

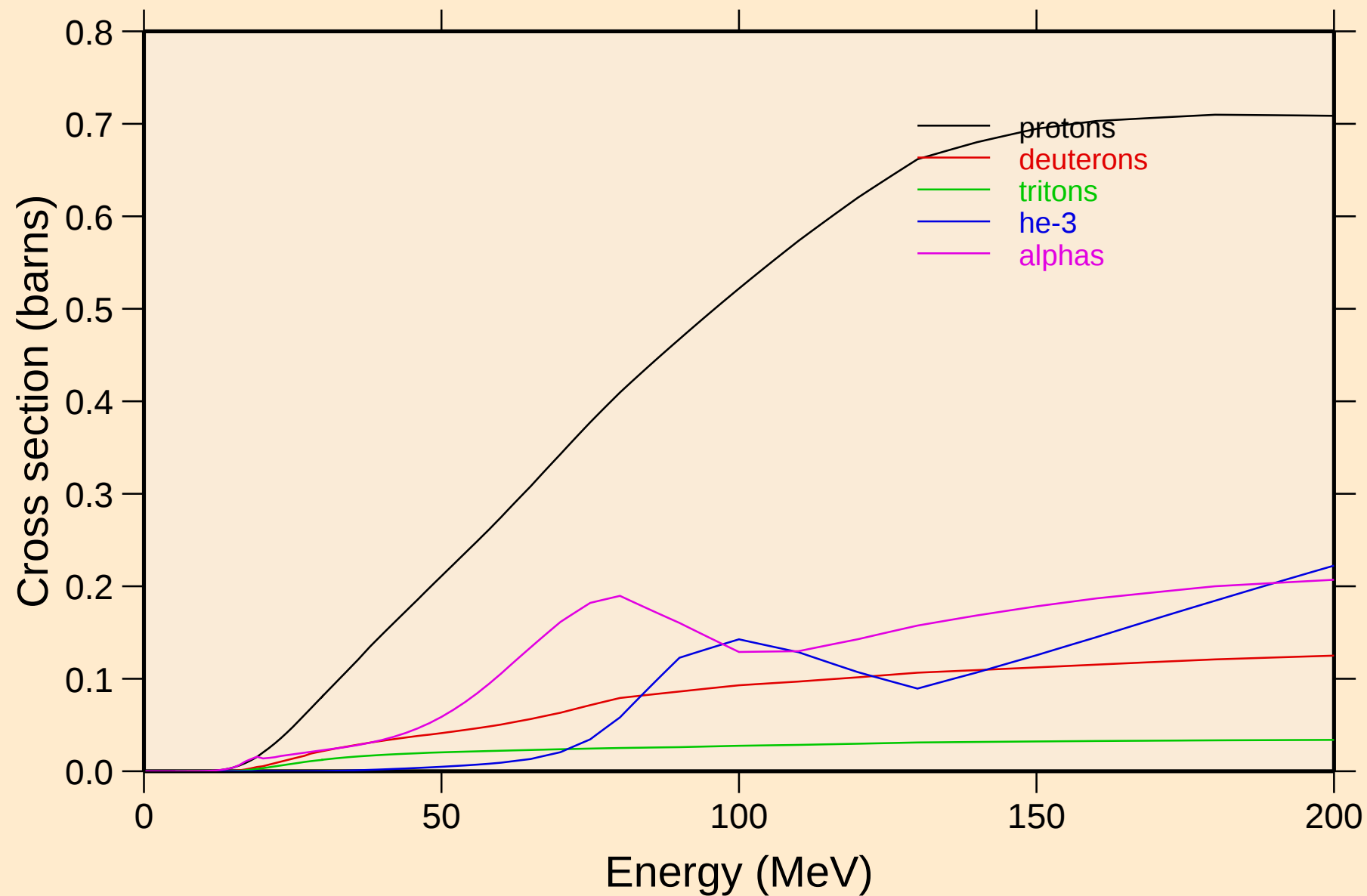


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

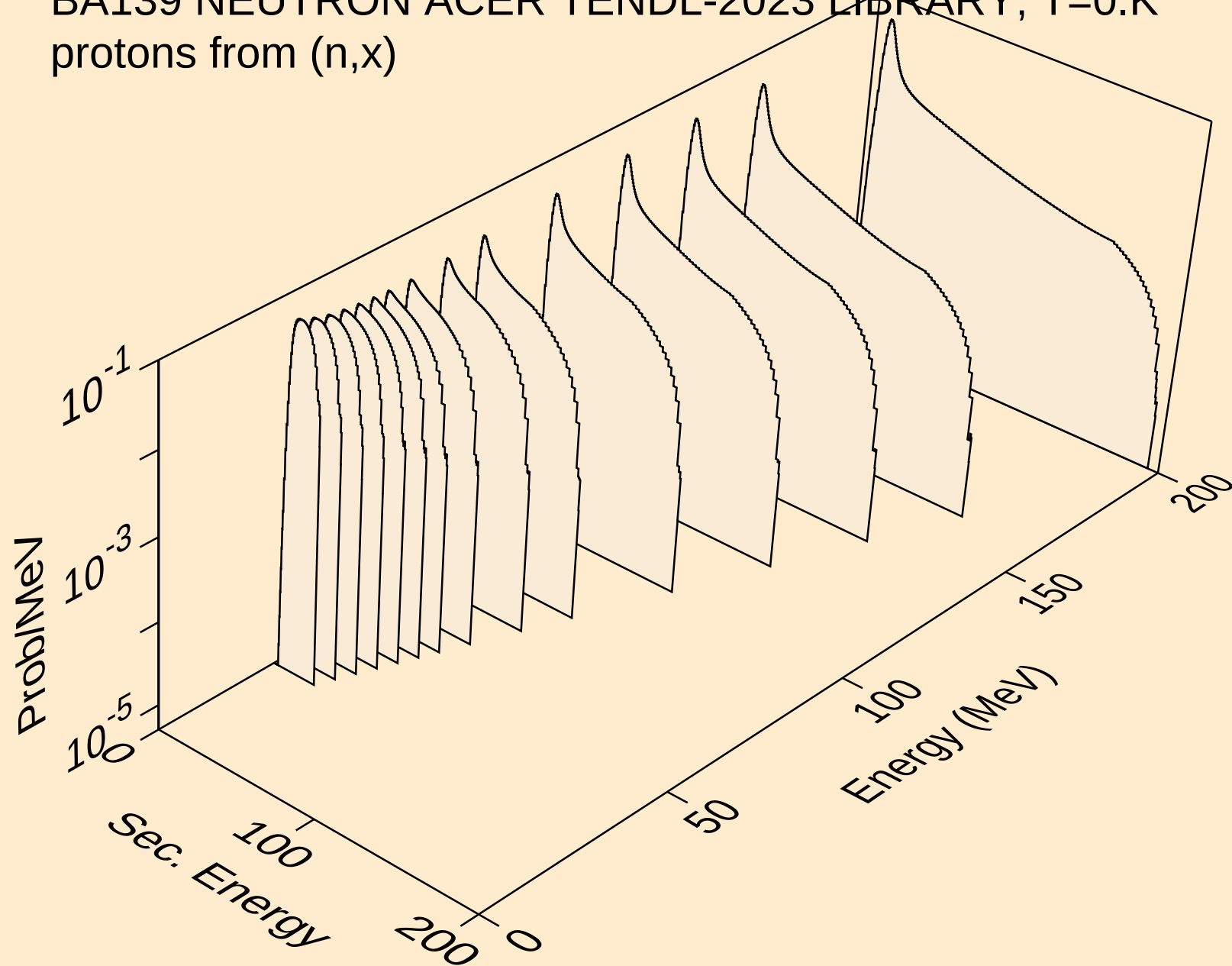


BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

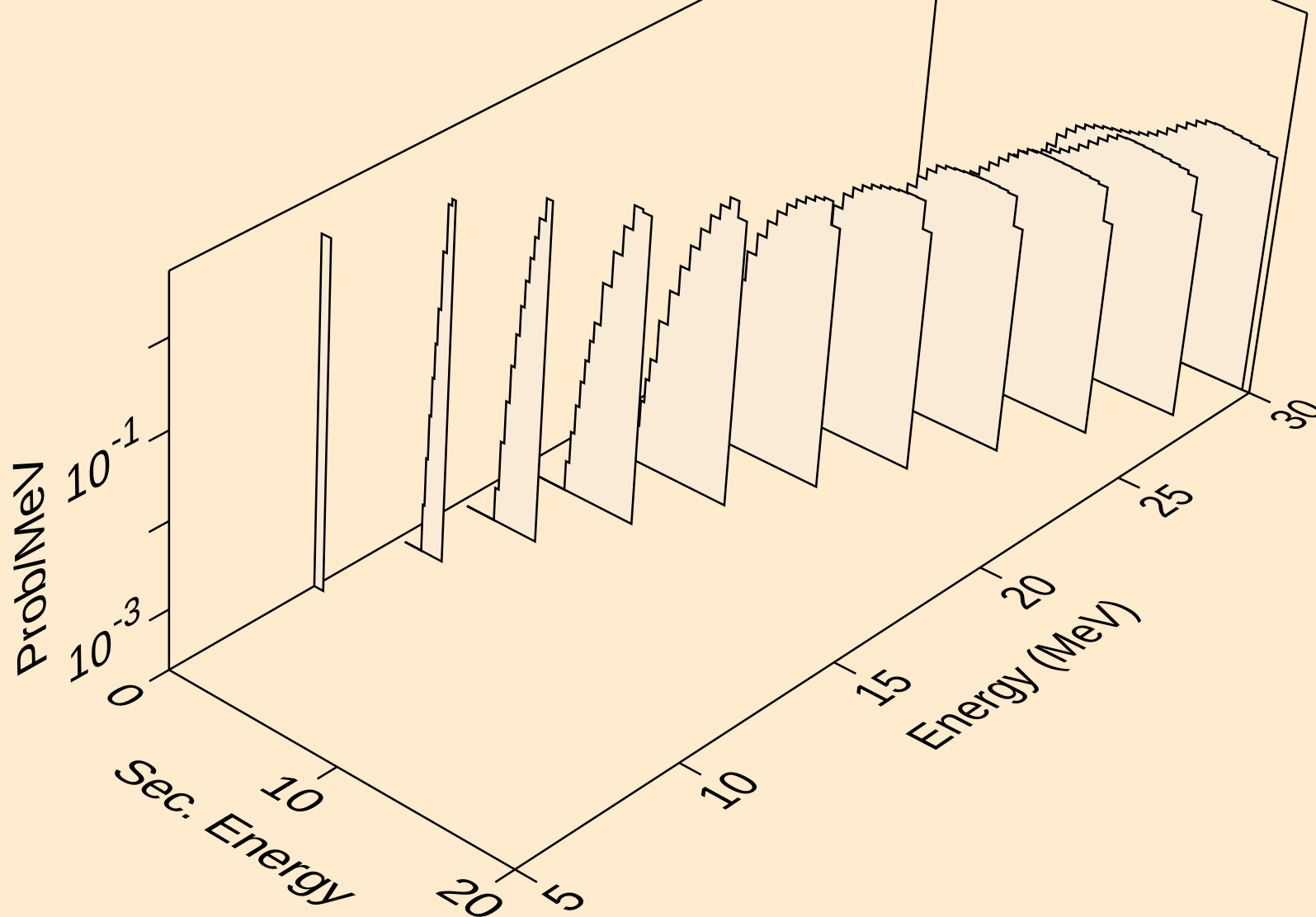
Particle production cross sections



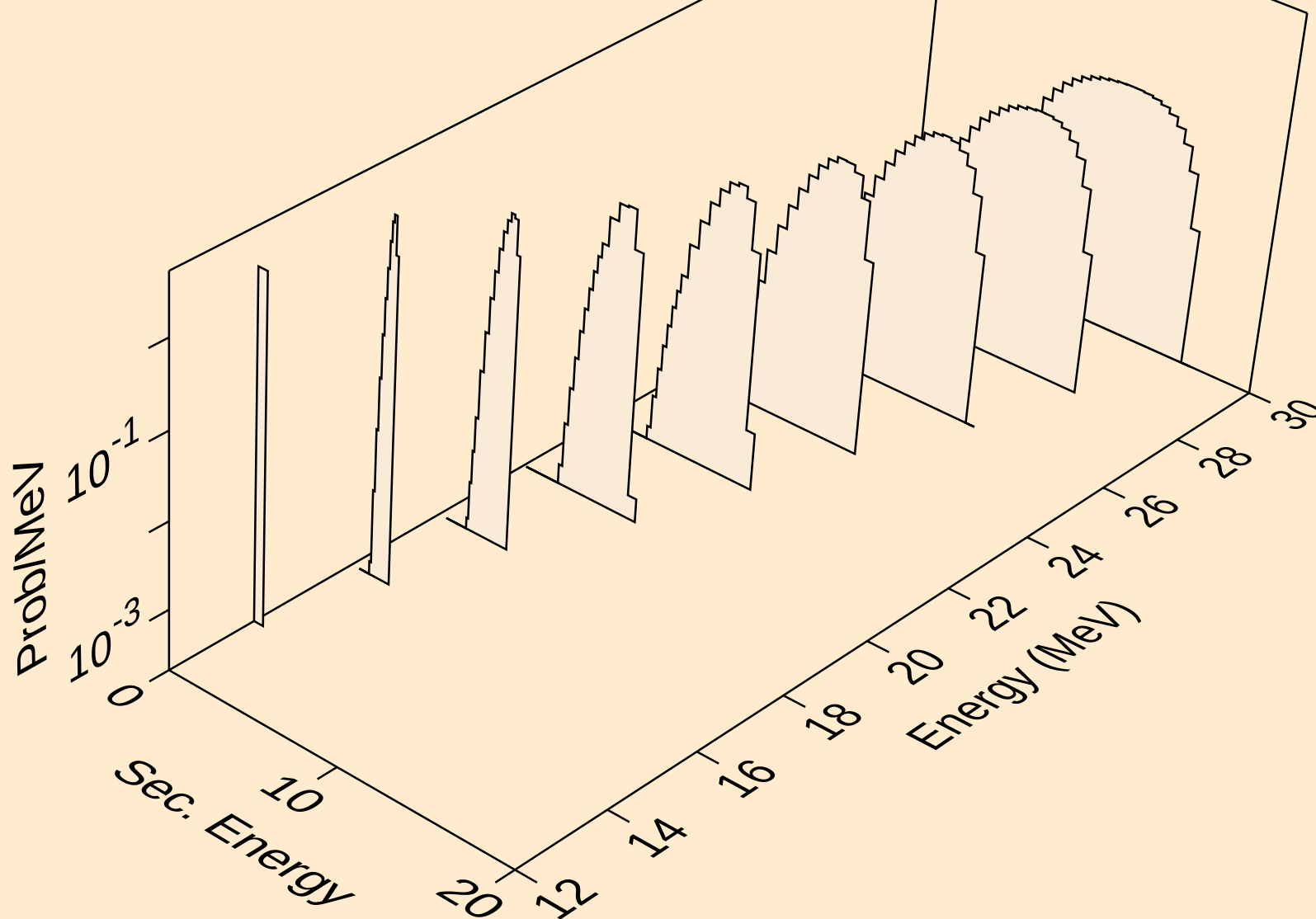
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



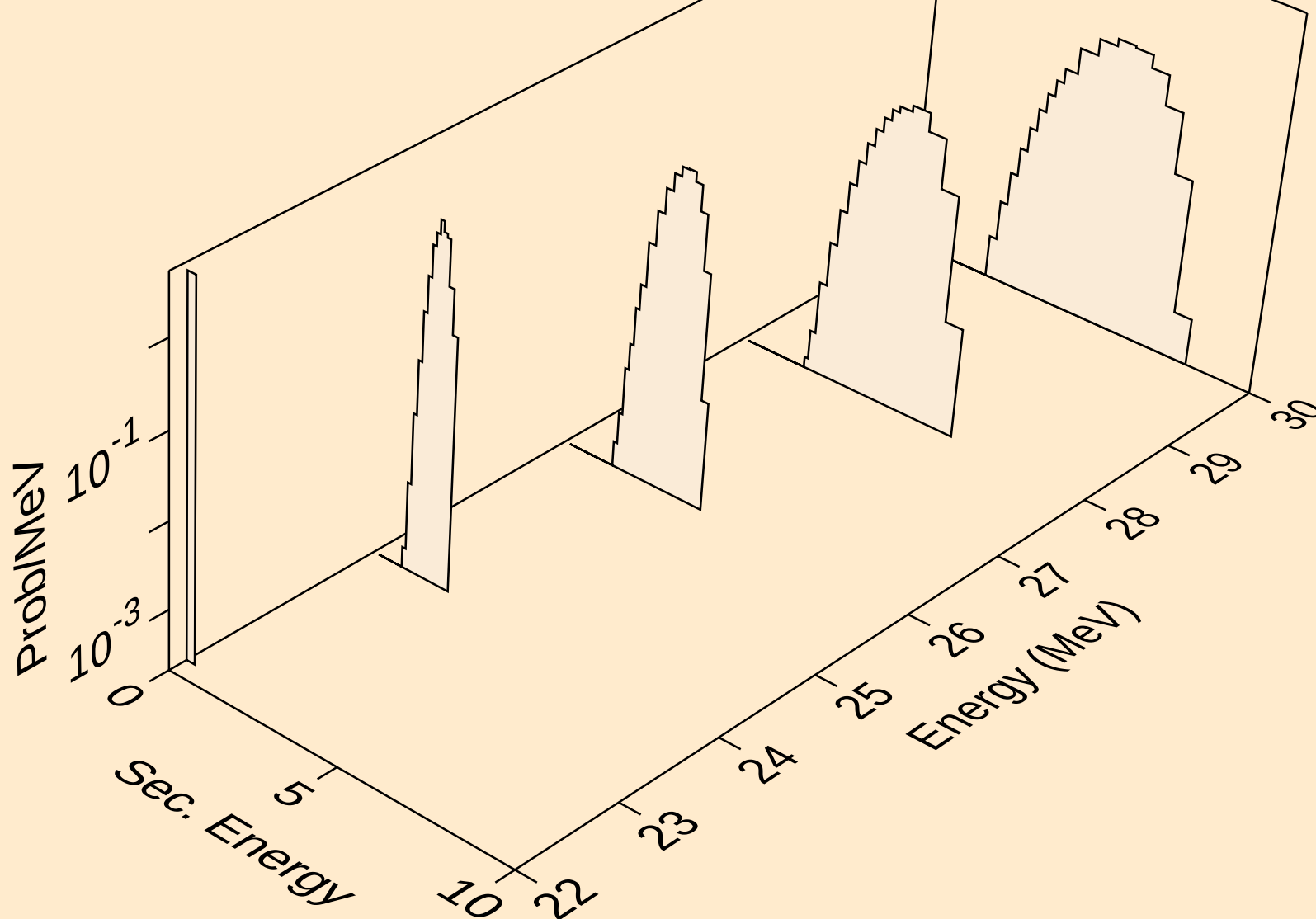
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



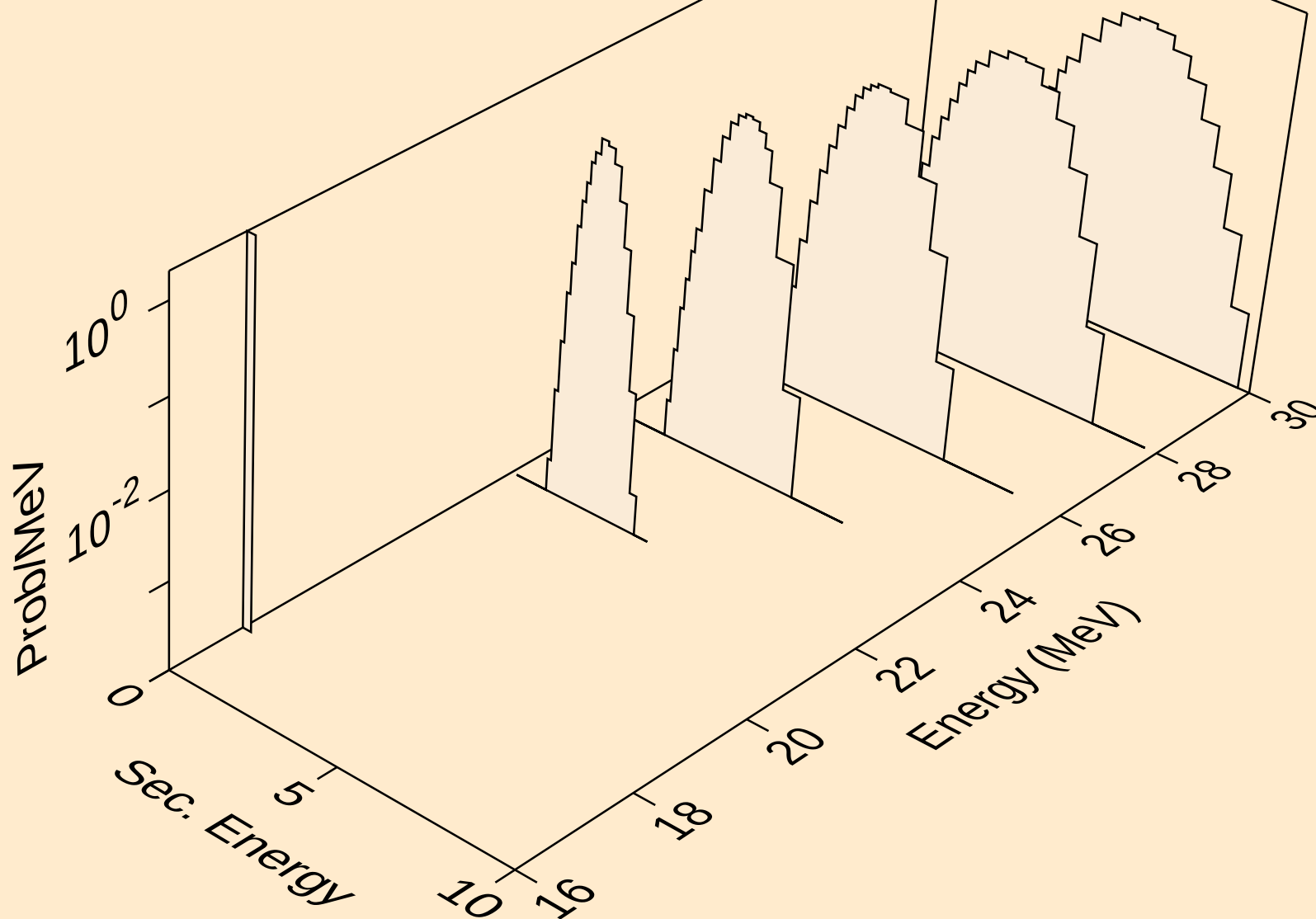
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



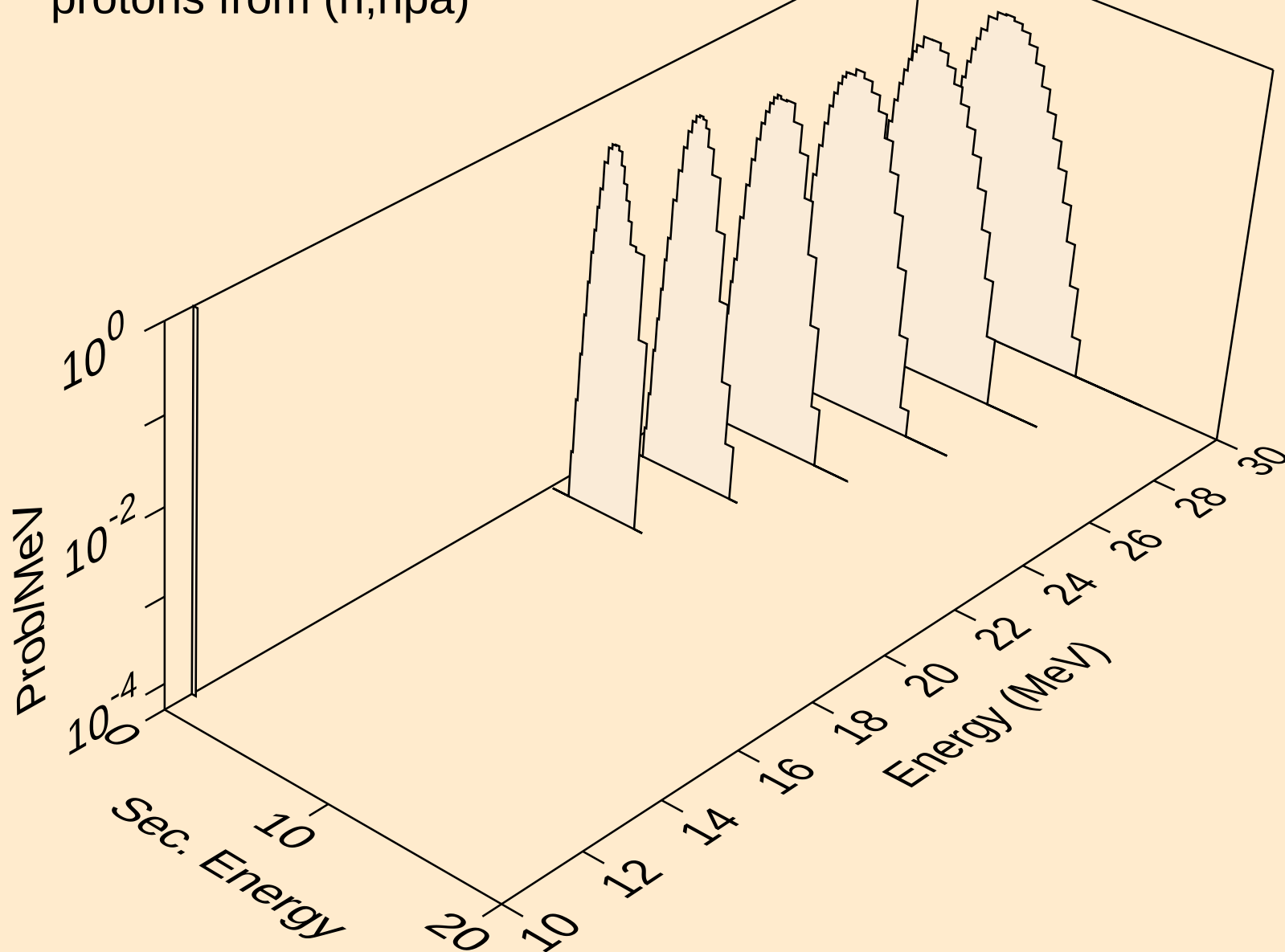
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protons from (n,3np)



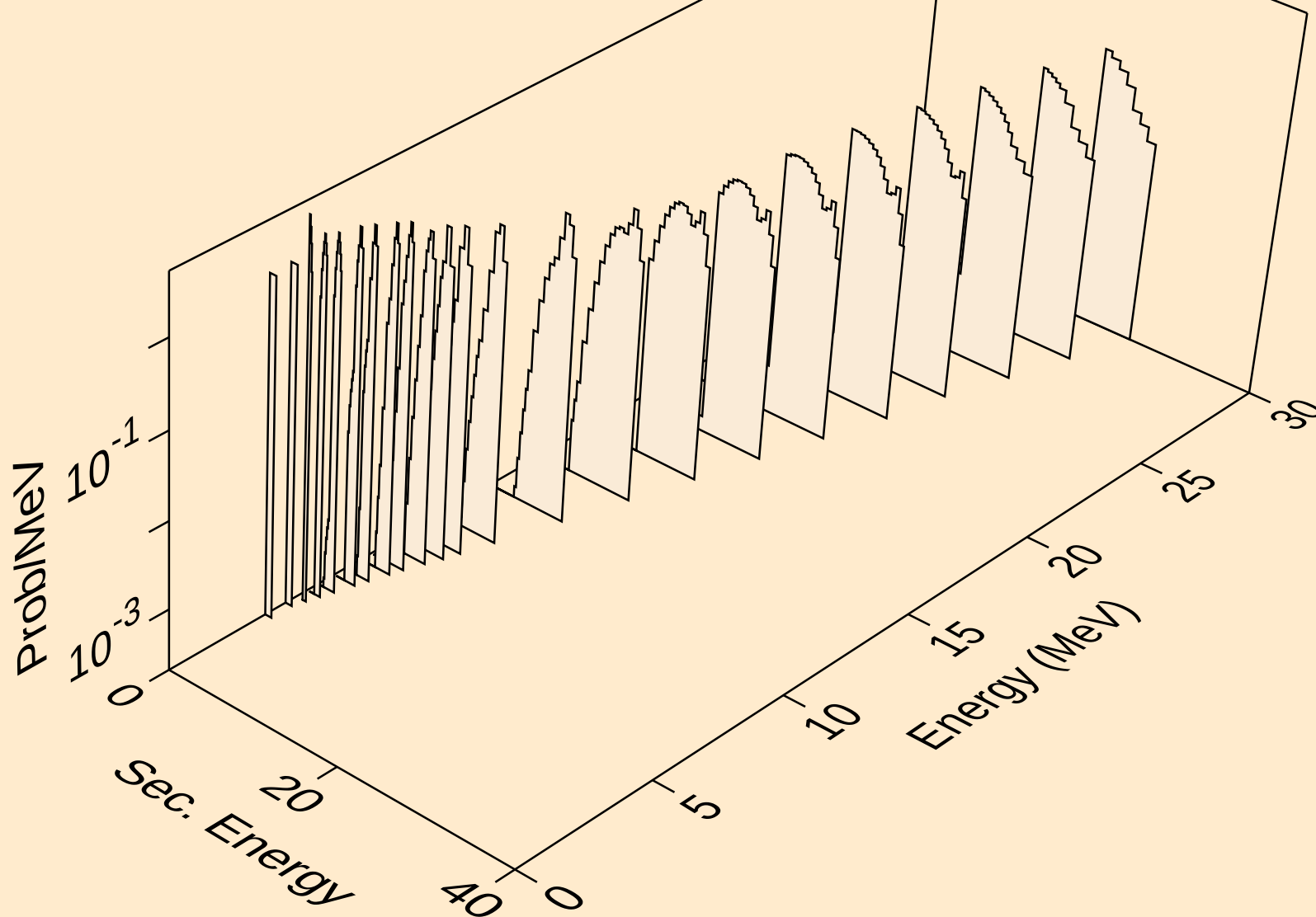
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protons from (n,n2p)



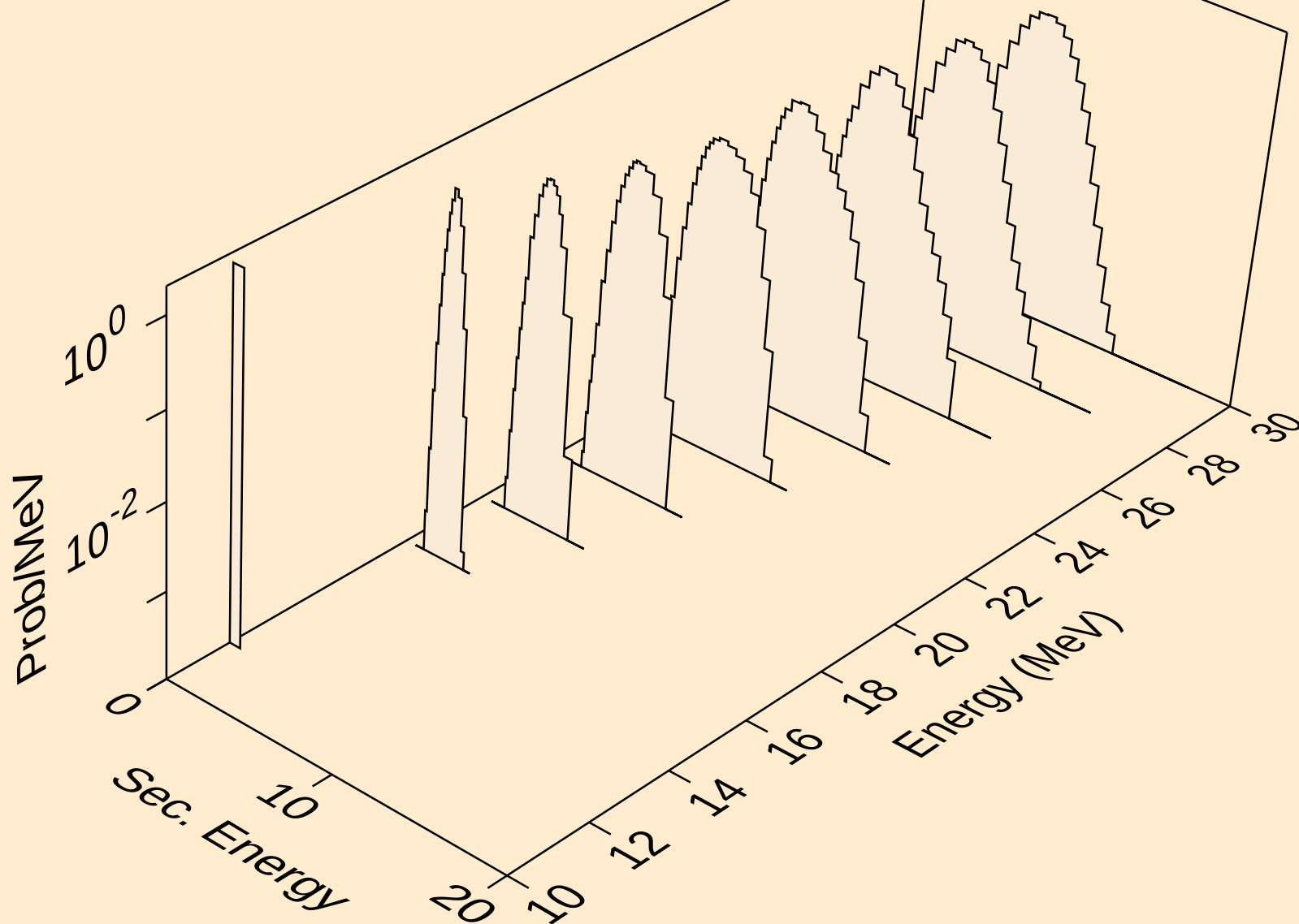
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protons from (n,npa)



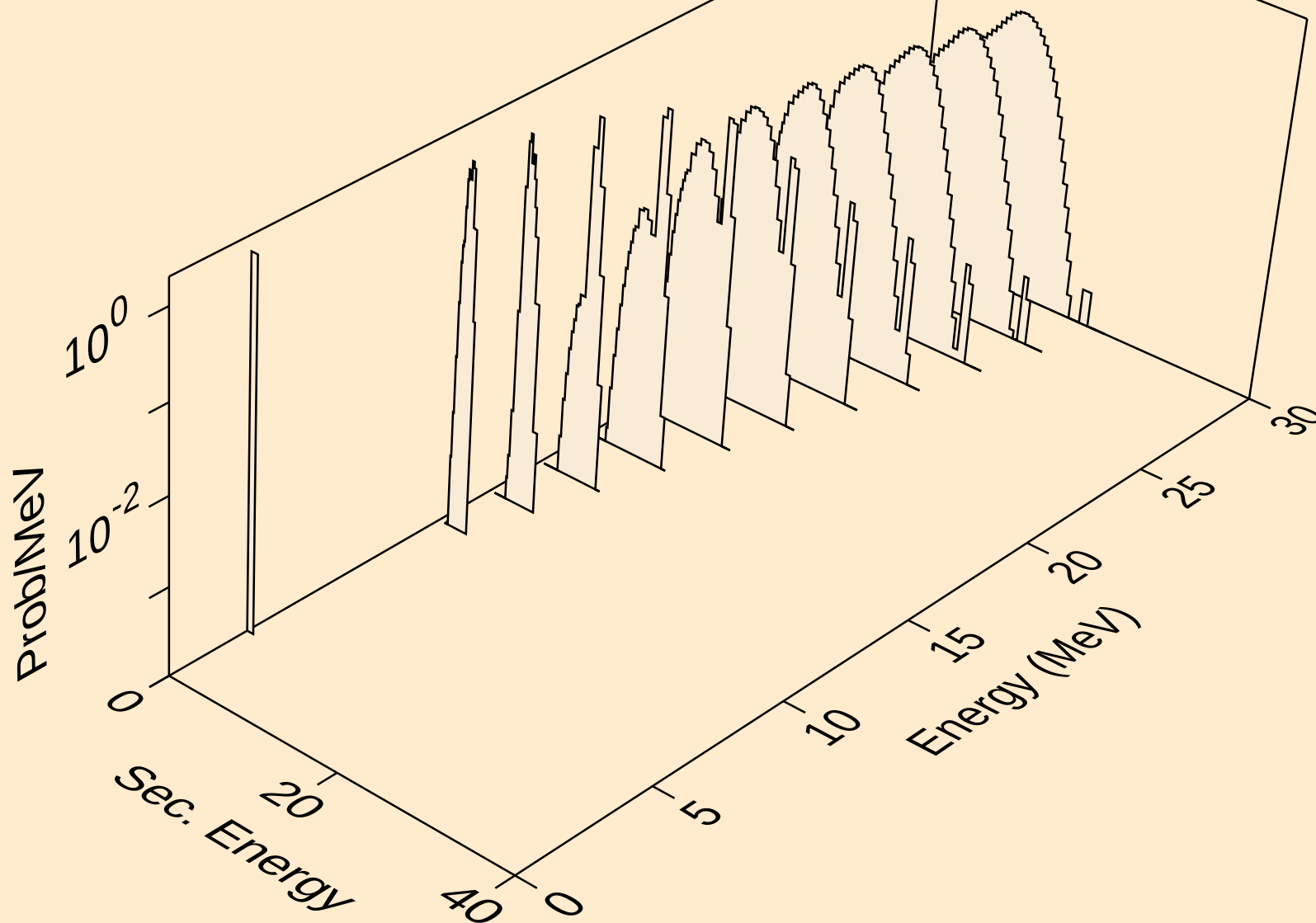
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protons from (n,p)



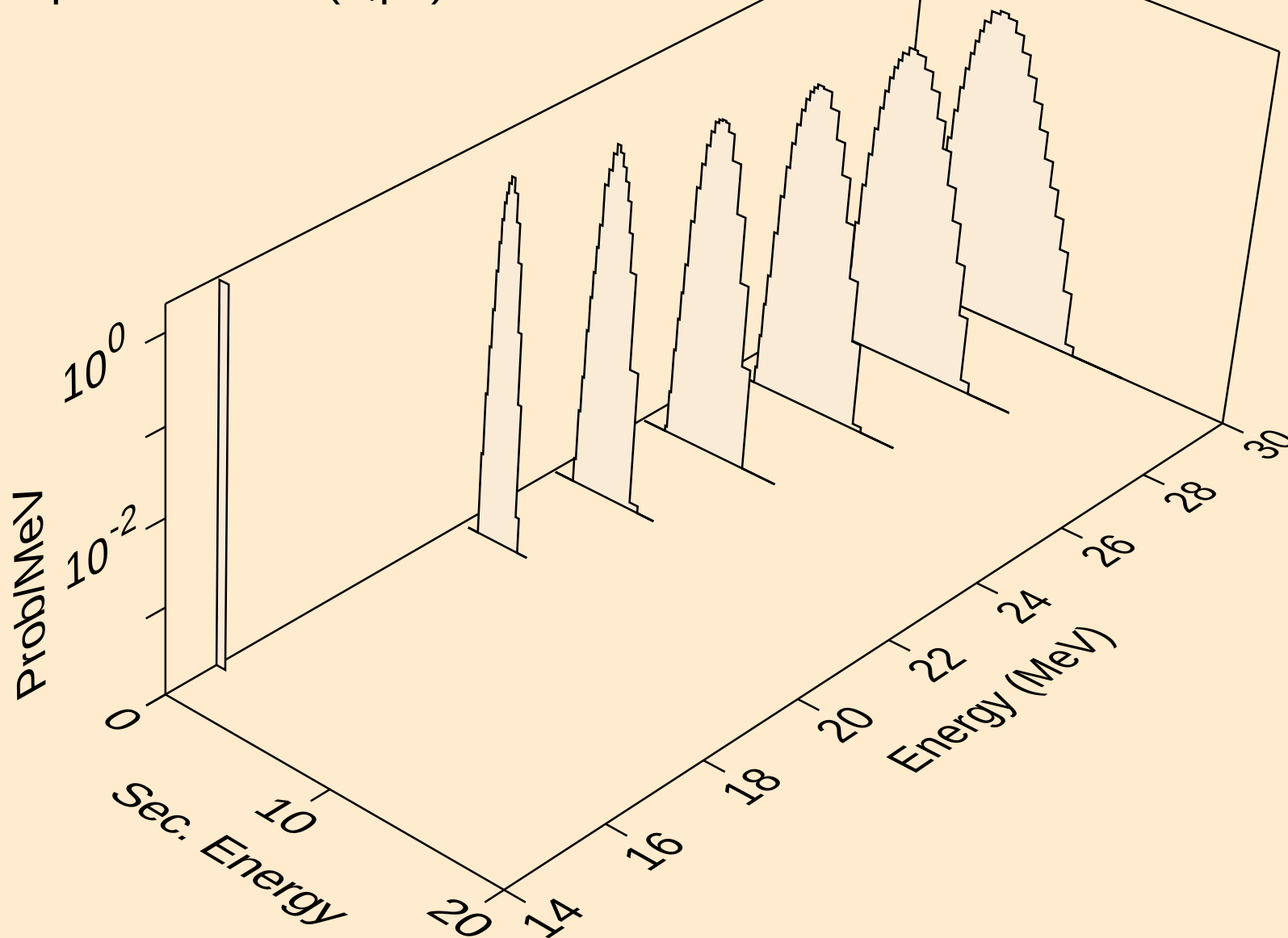
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protons from (n,2p)



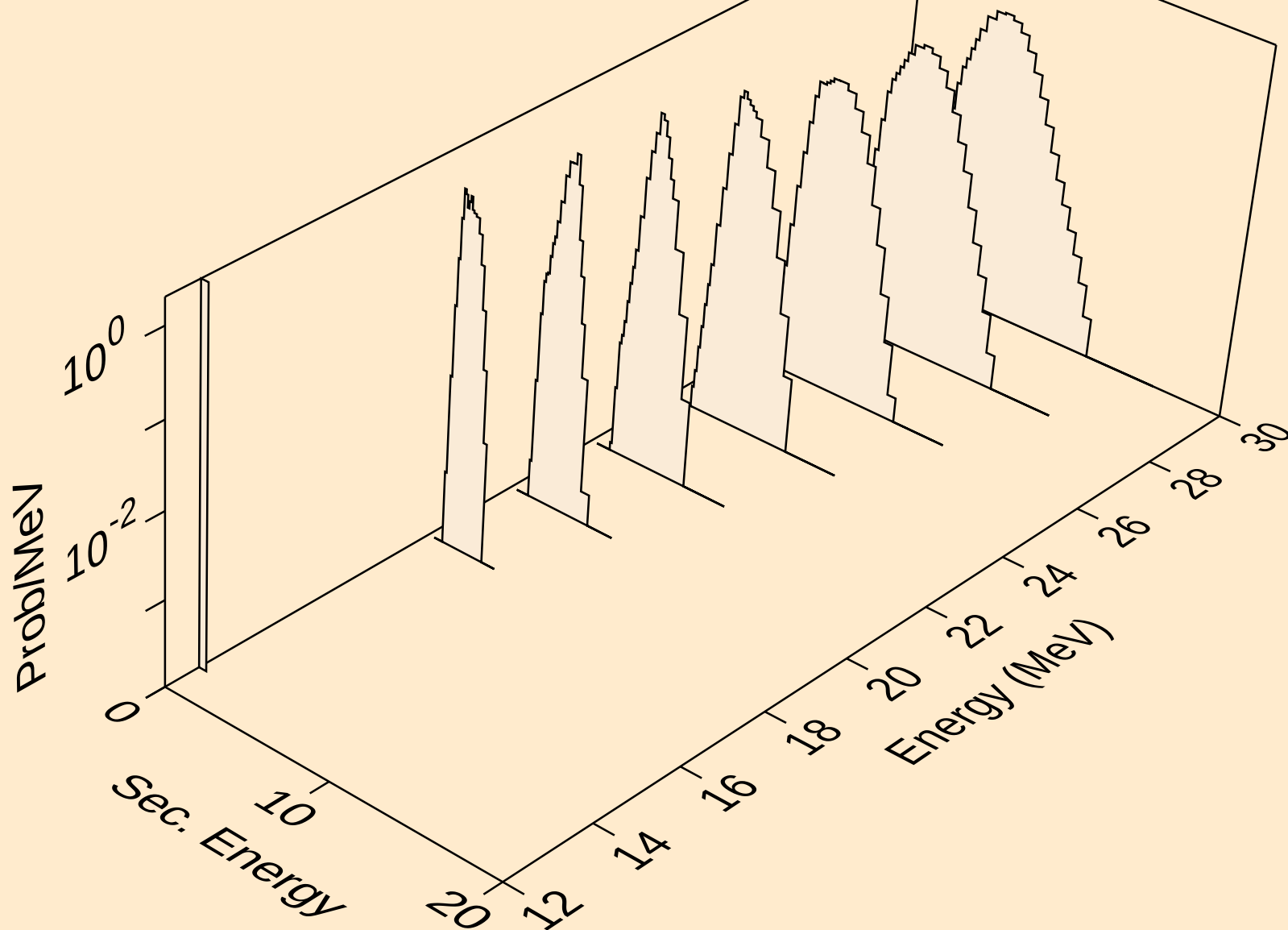
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protons from (n,p)



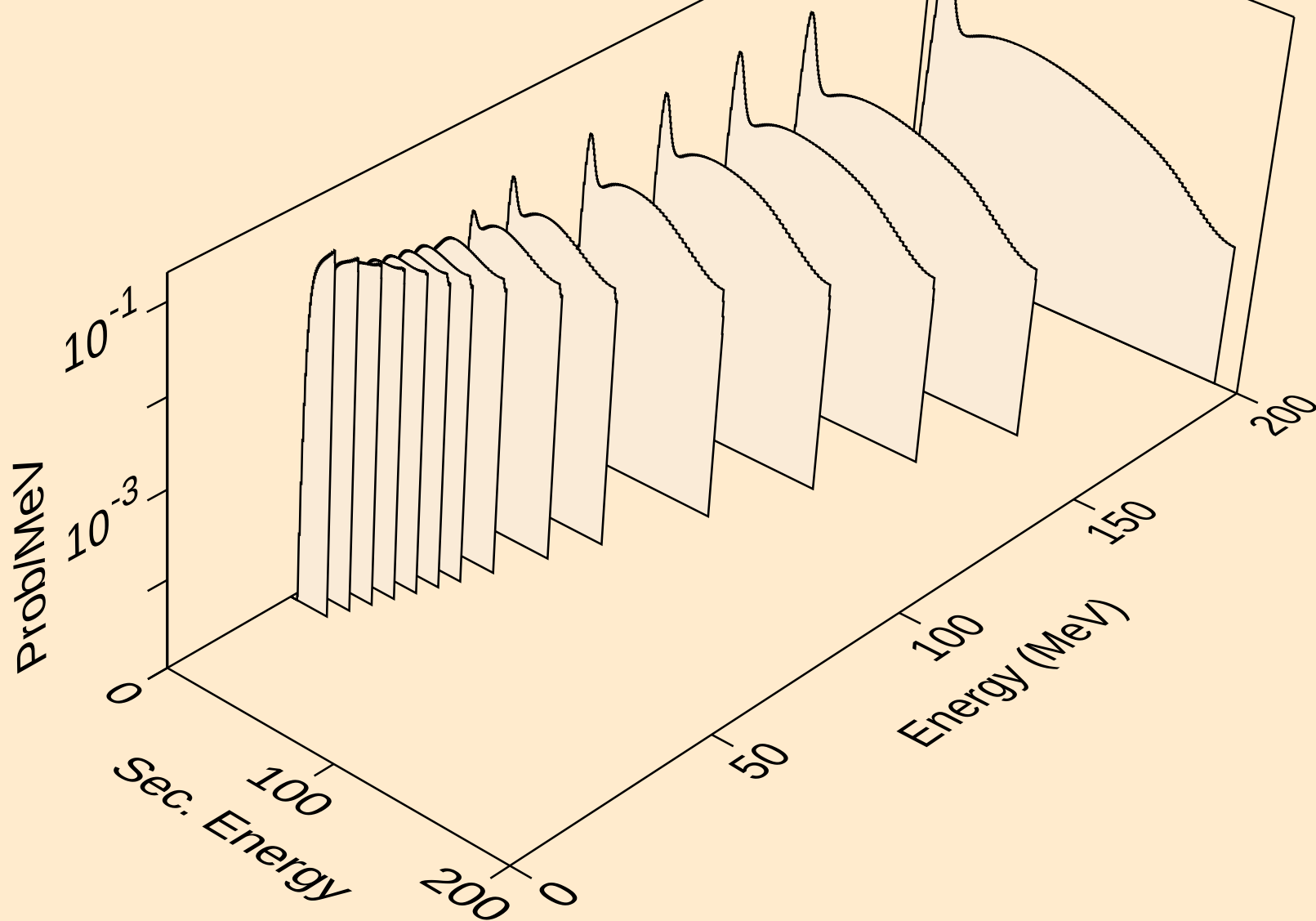
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protons from (n,pd)



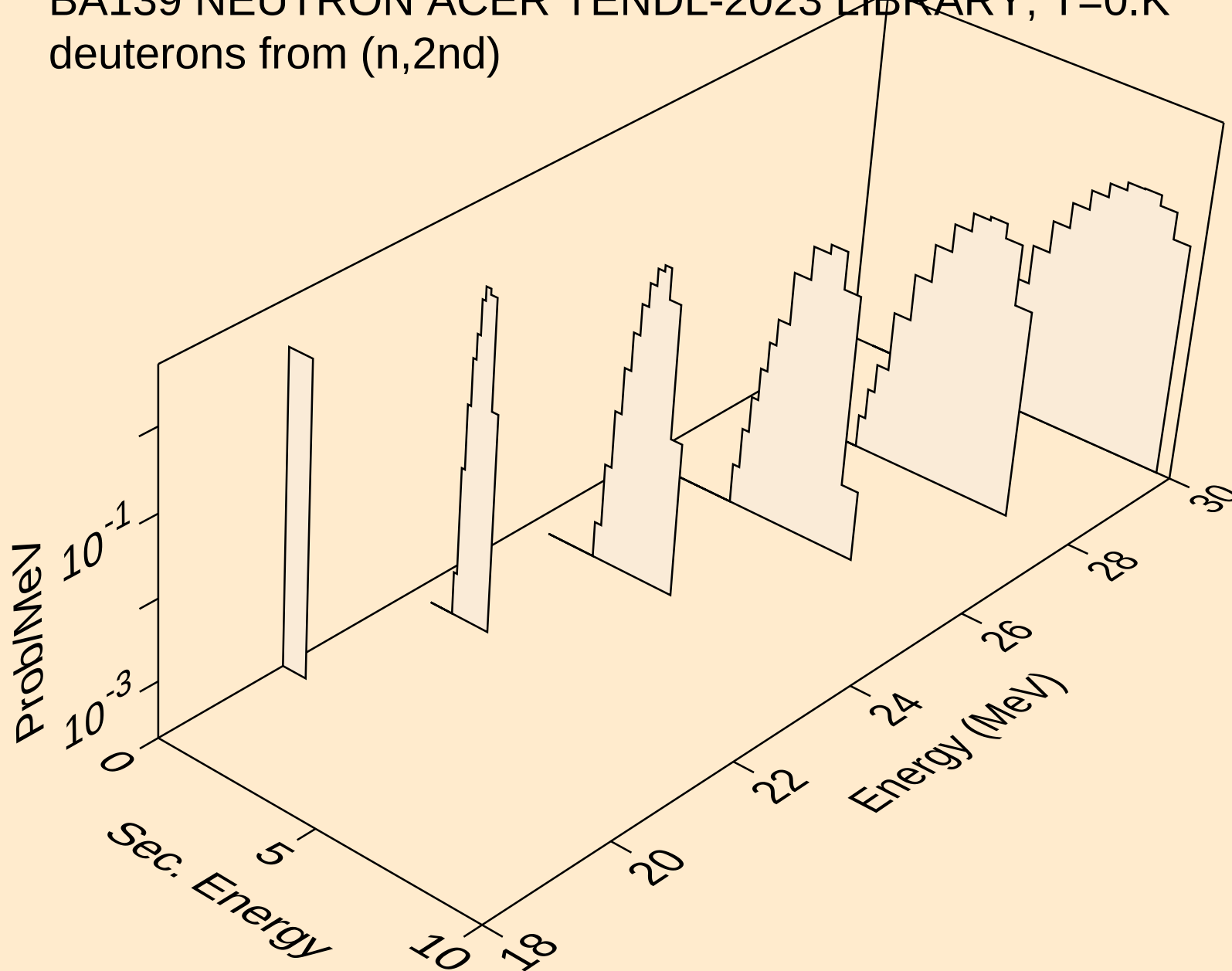
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



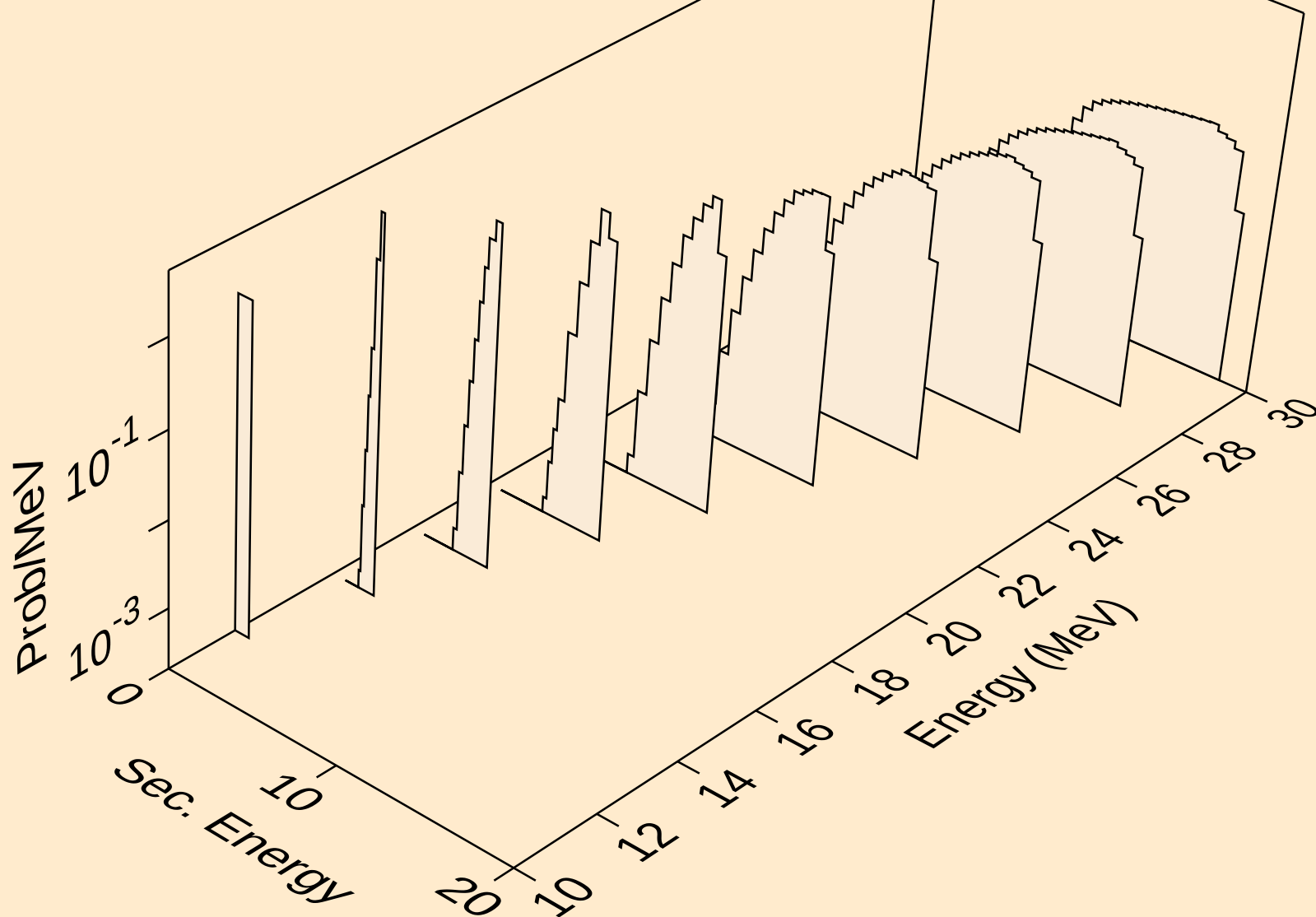
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



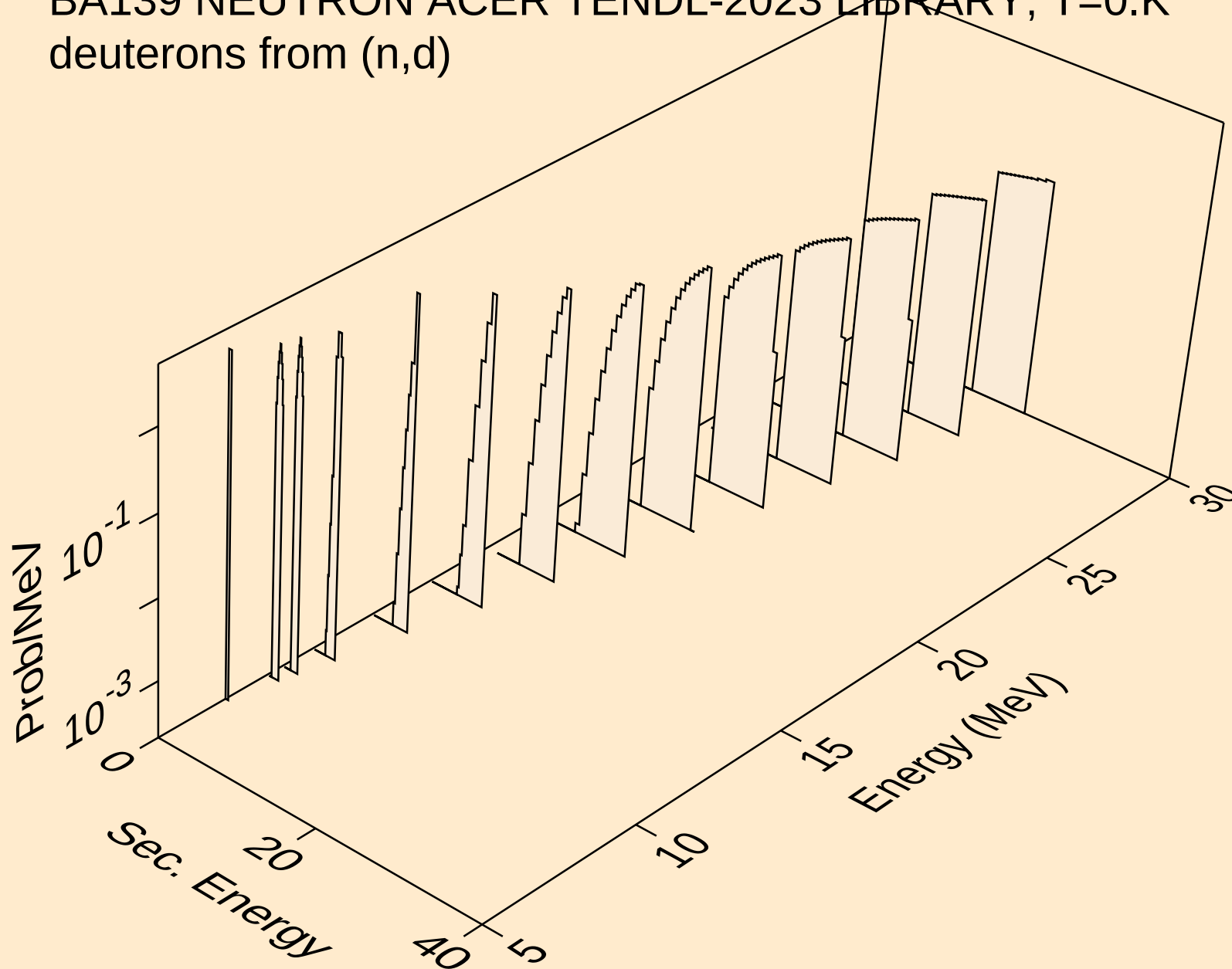
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deuterons from (n,2nd)



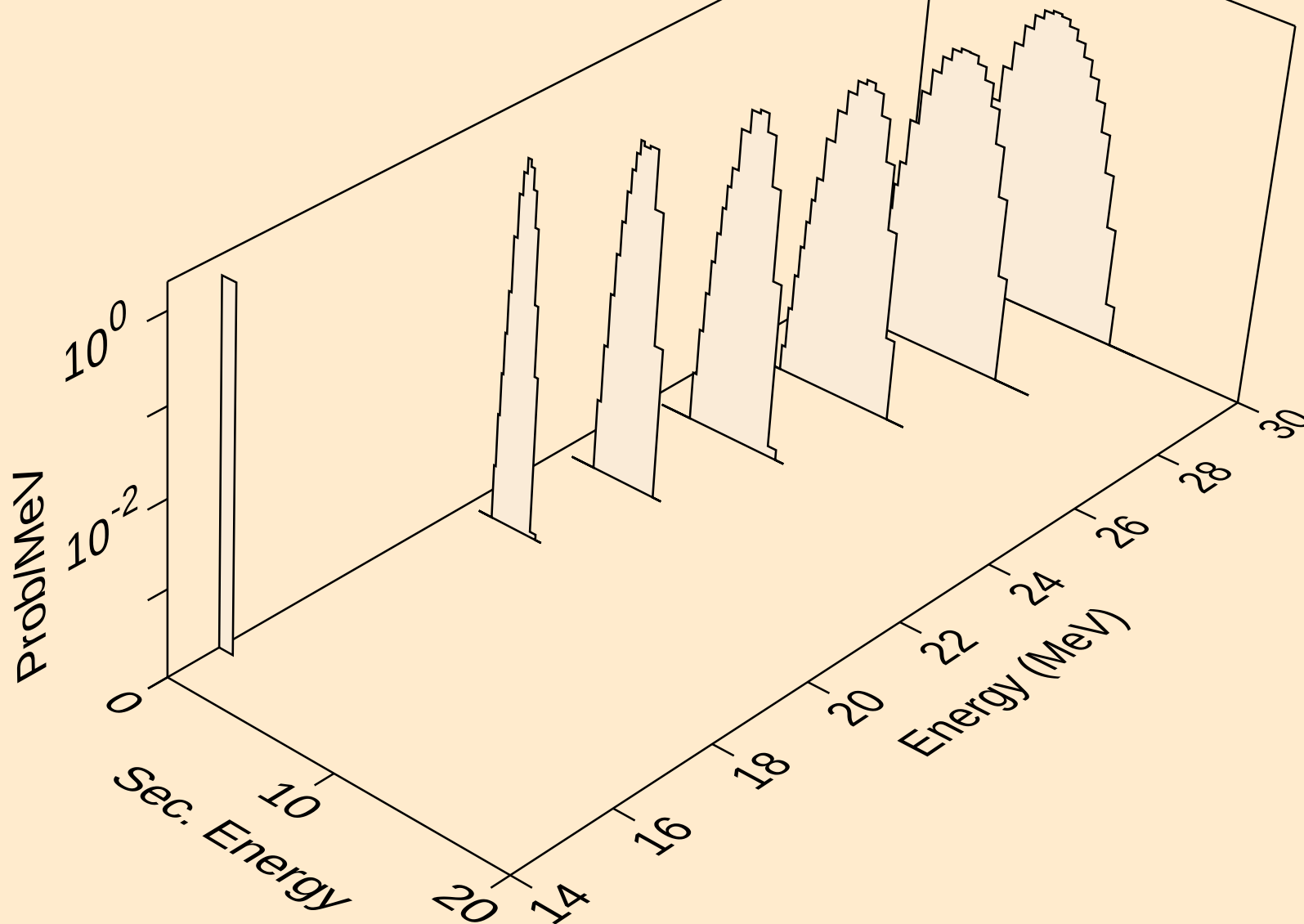
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



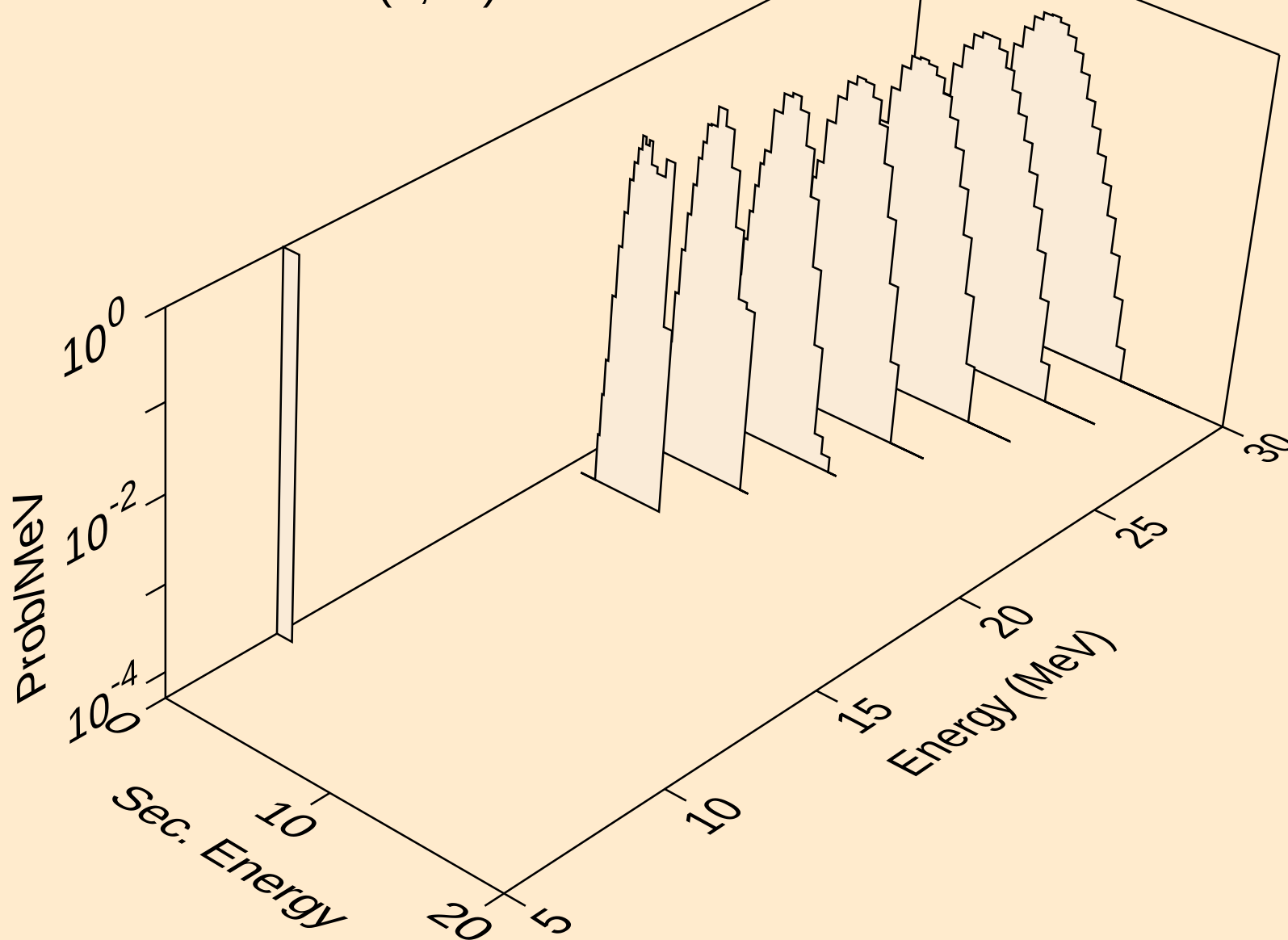
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deuterons from (n,d)



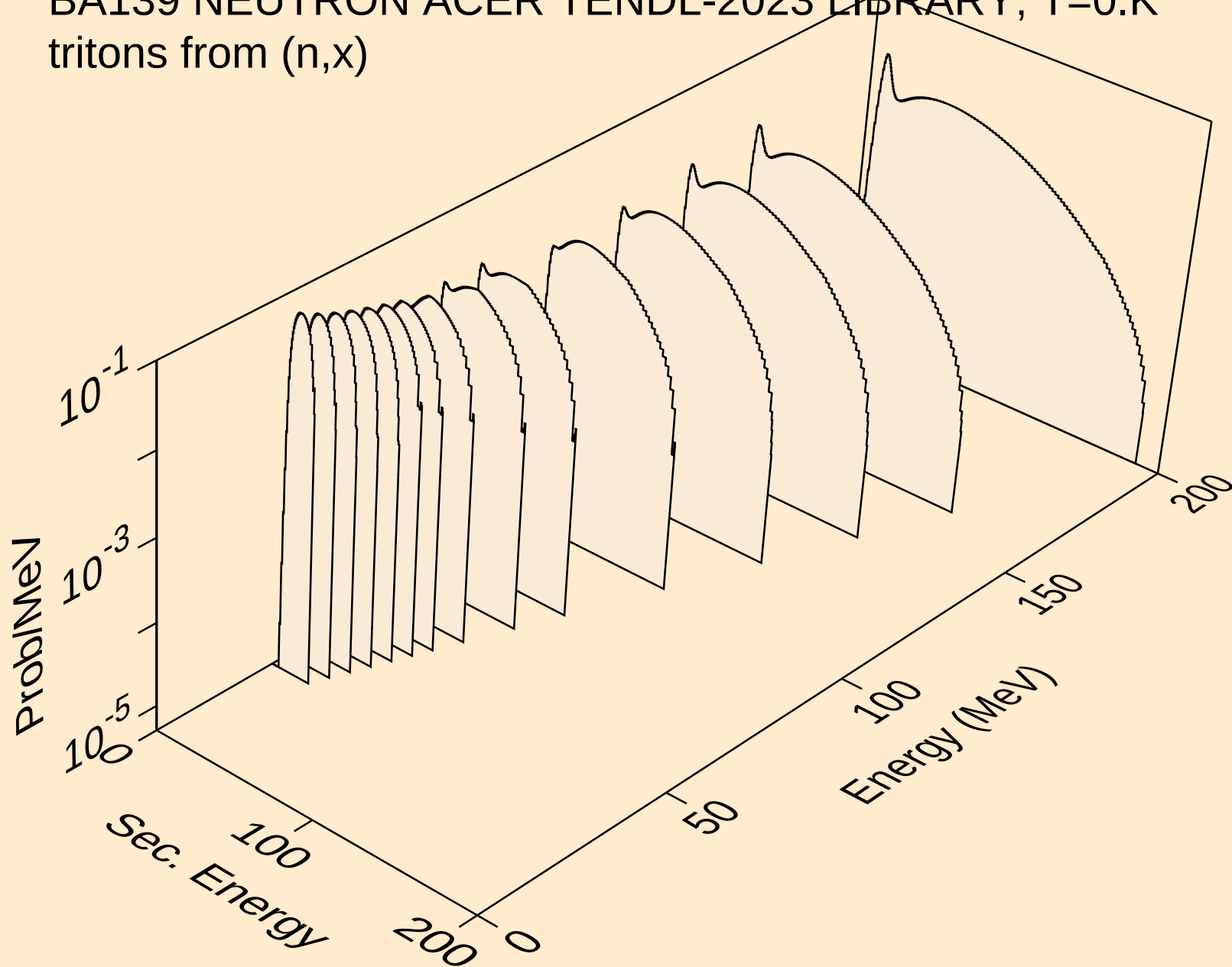
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



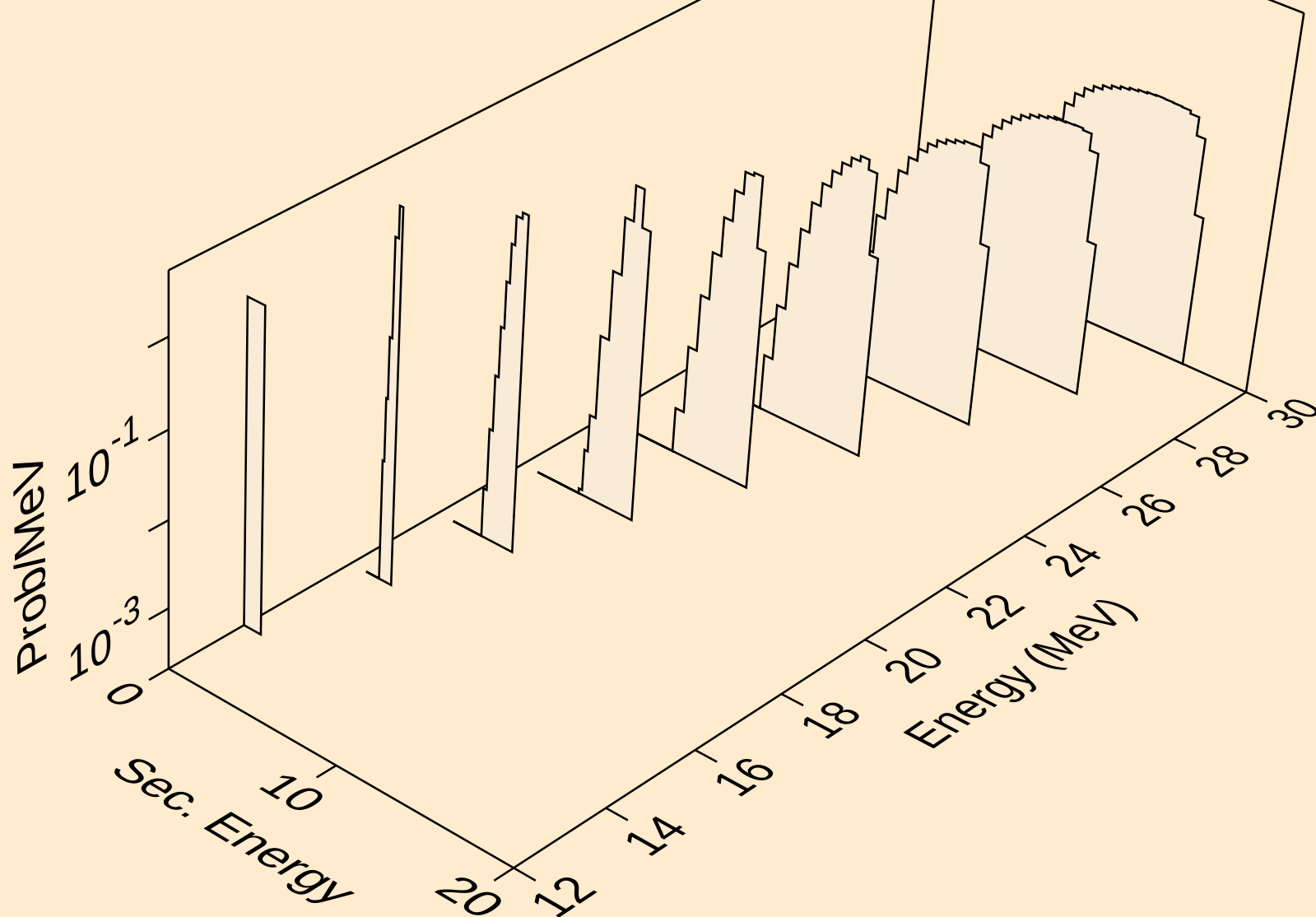
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



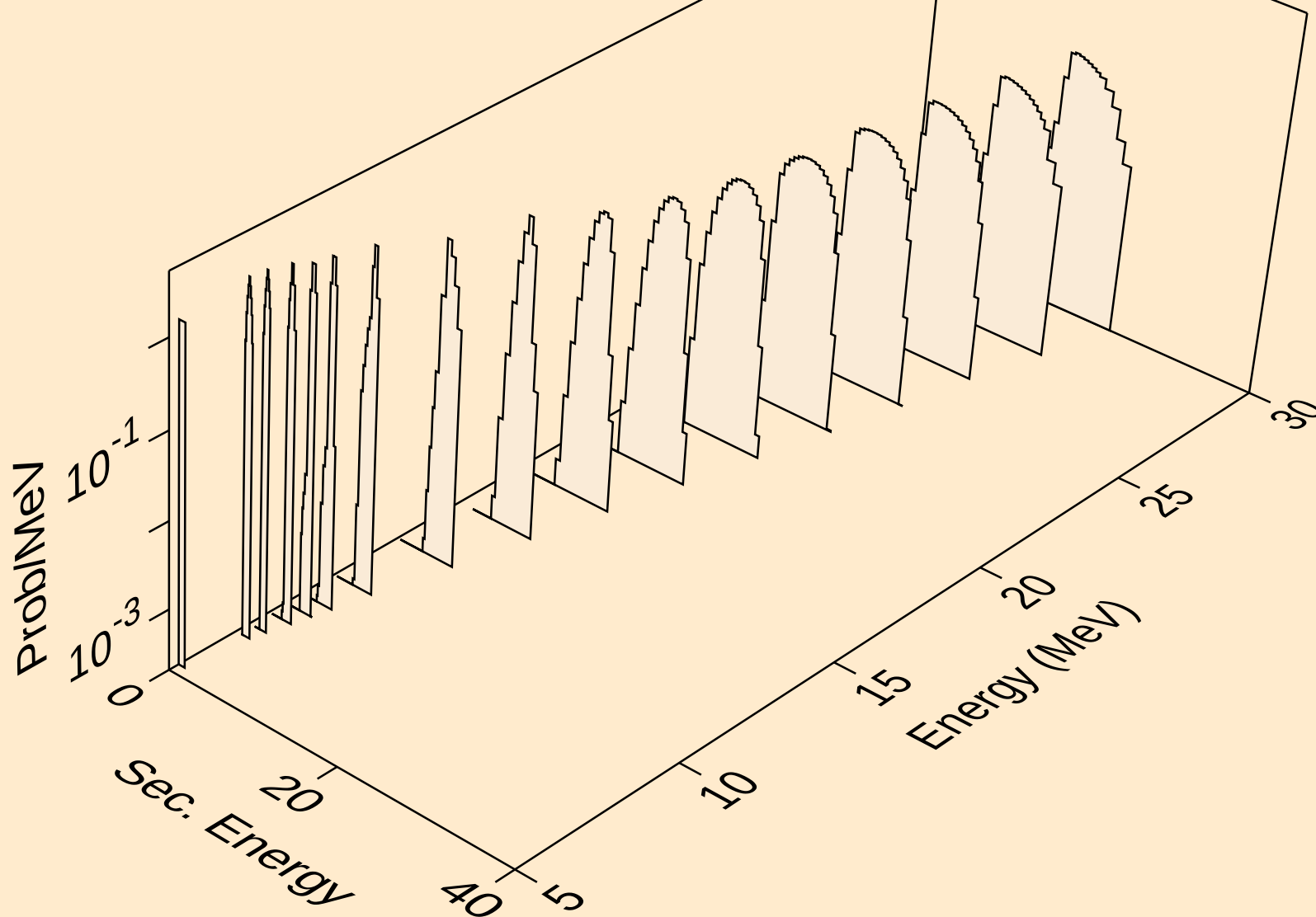
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



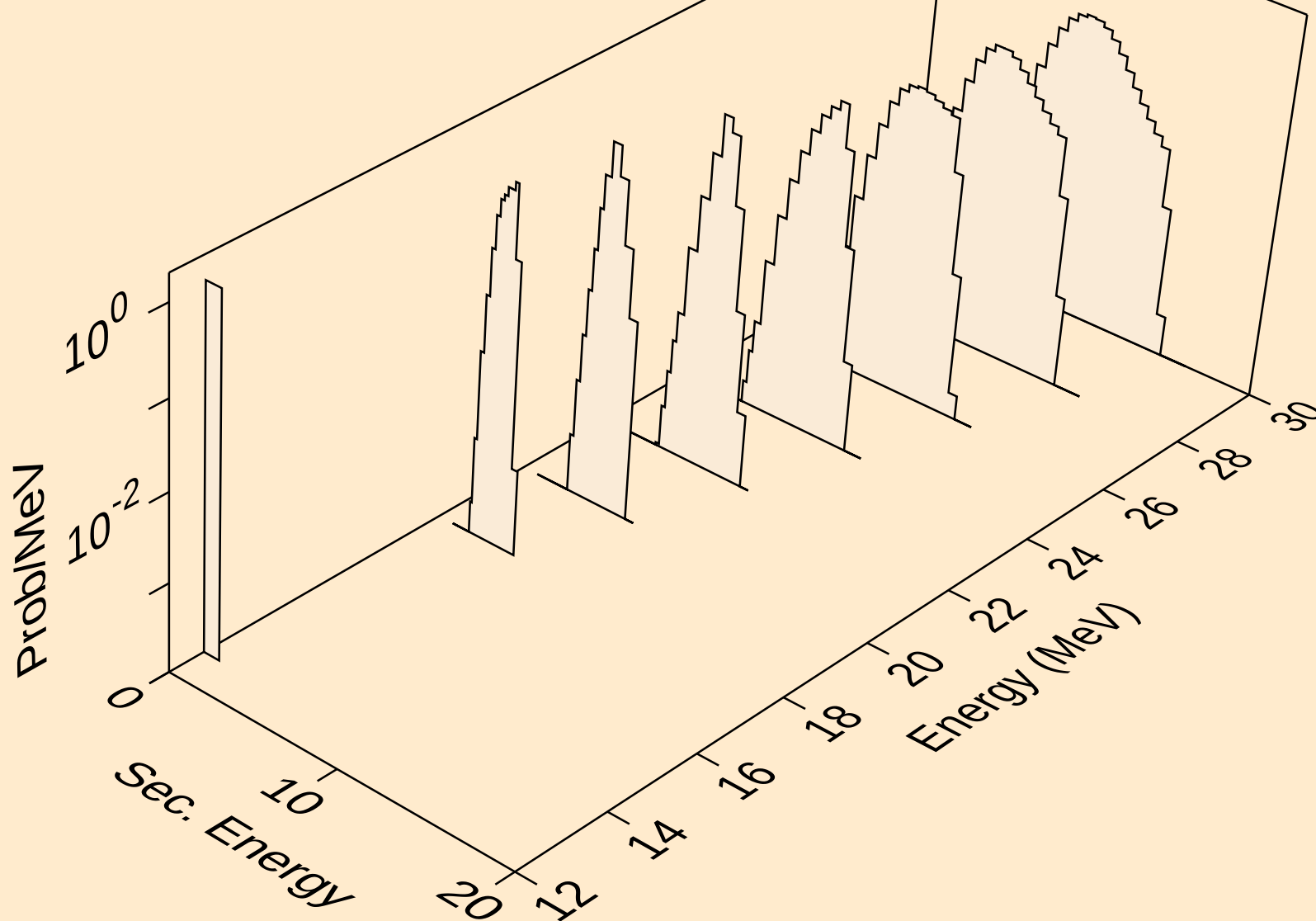
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



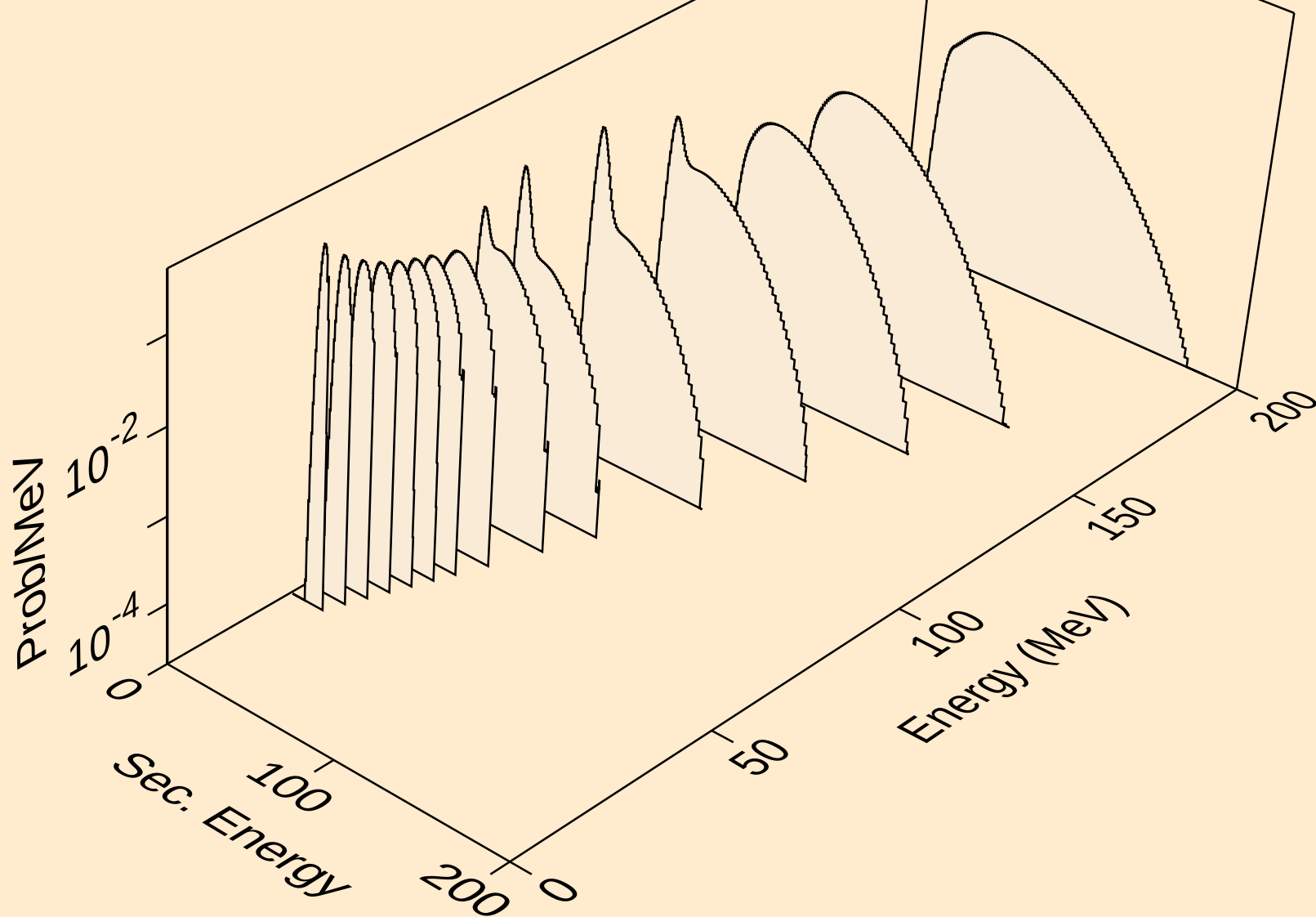
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tritons from (n,t)



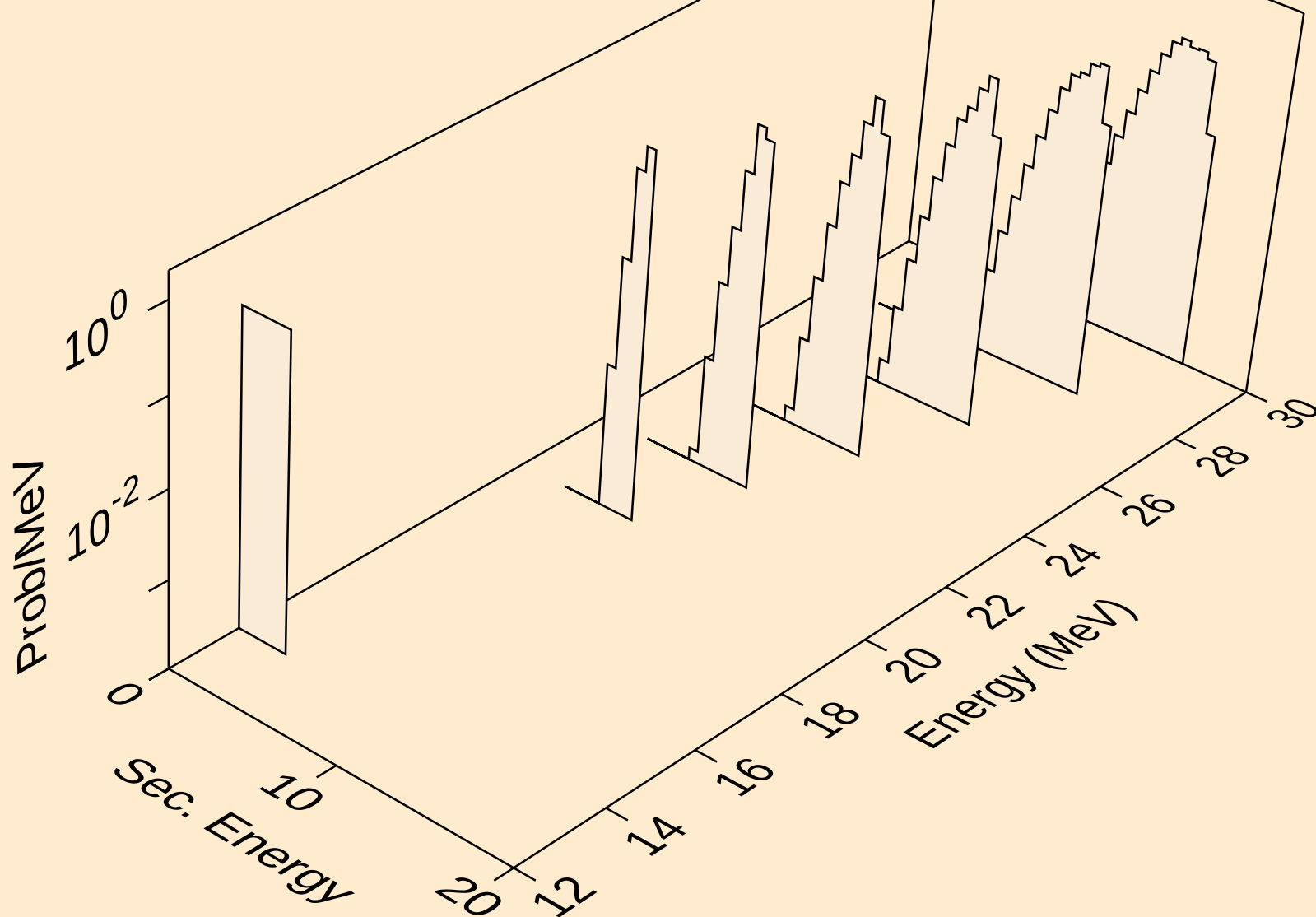
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tritons from (n,pt)



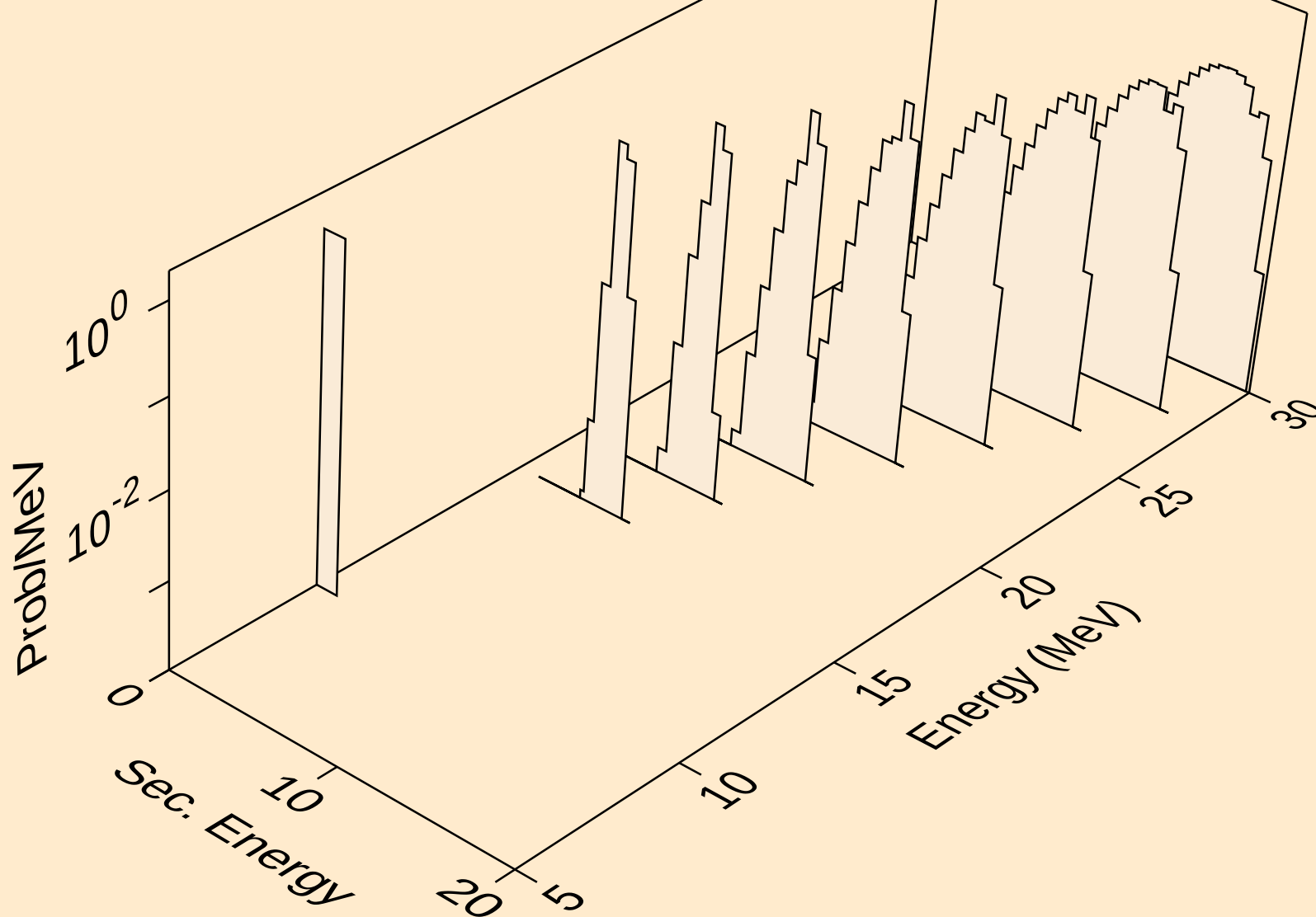
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



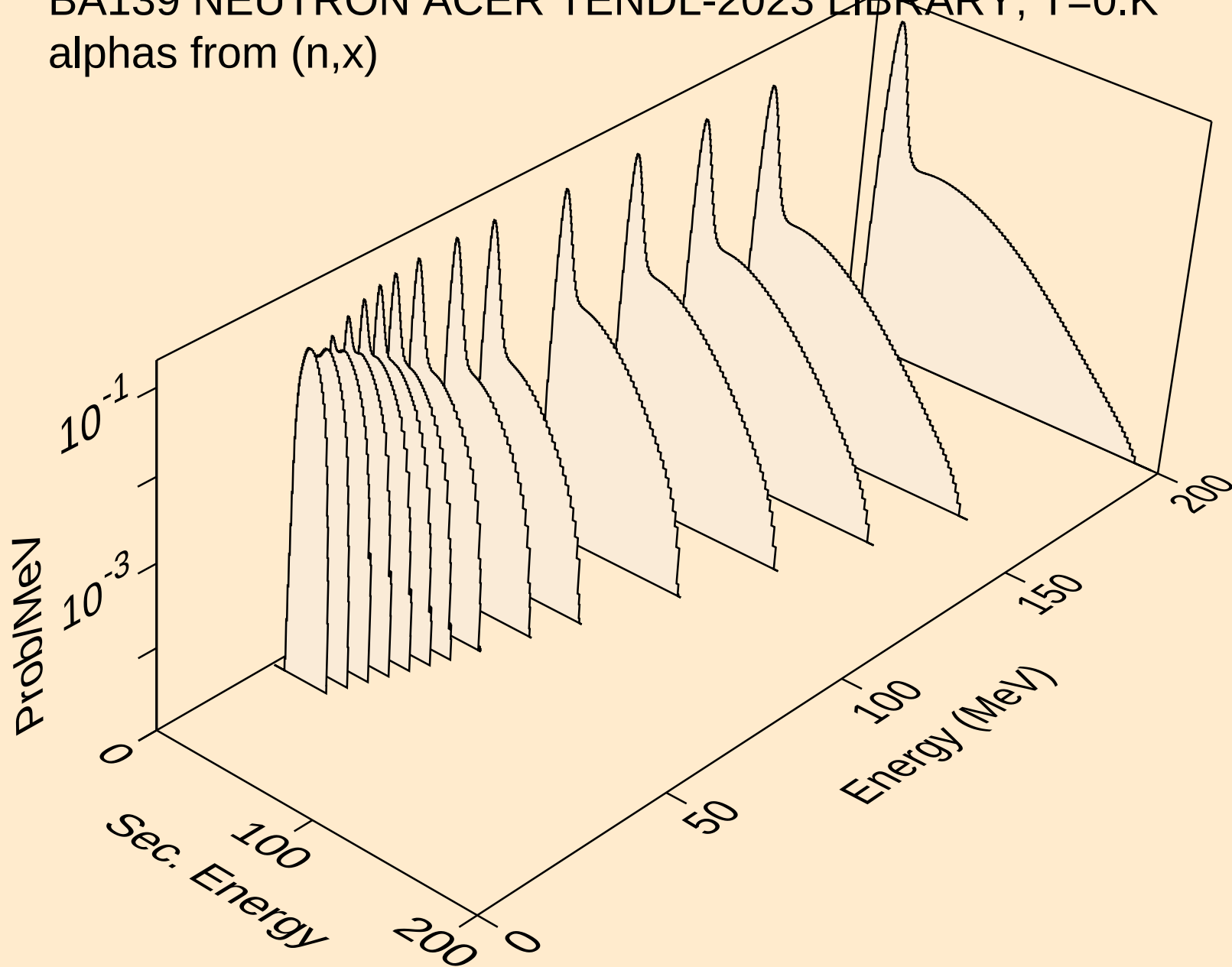
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



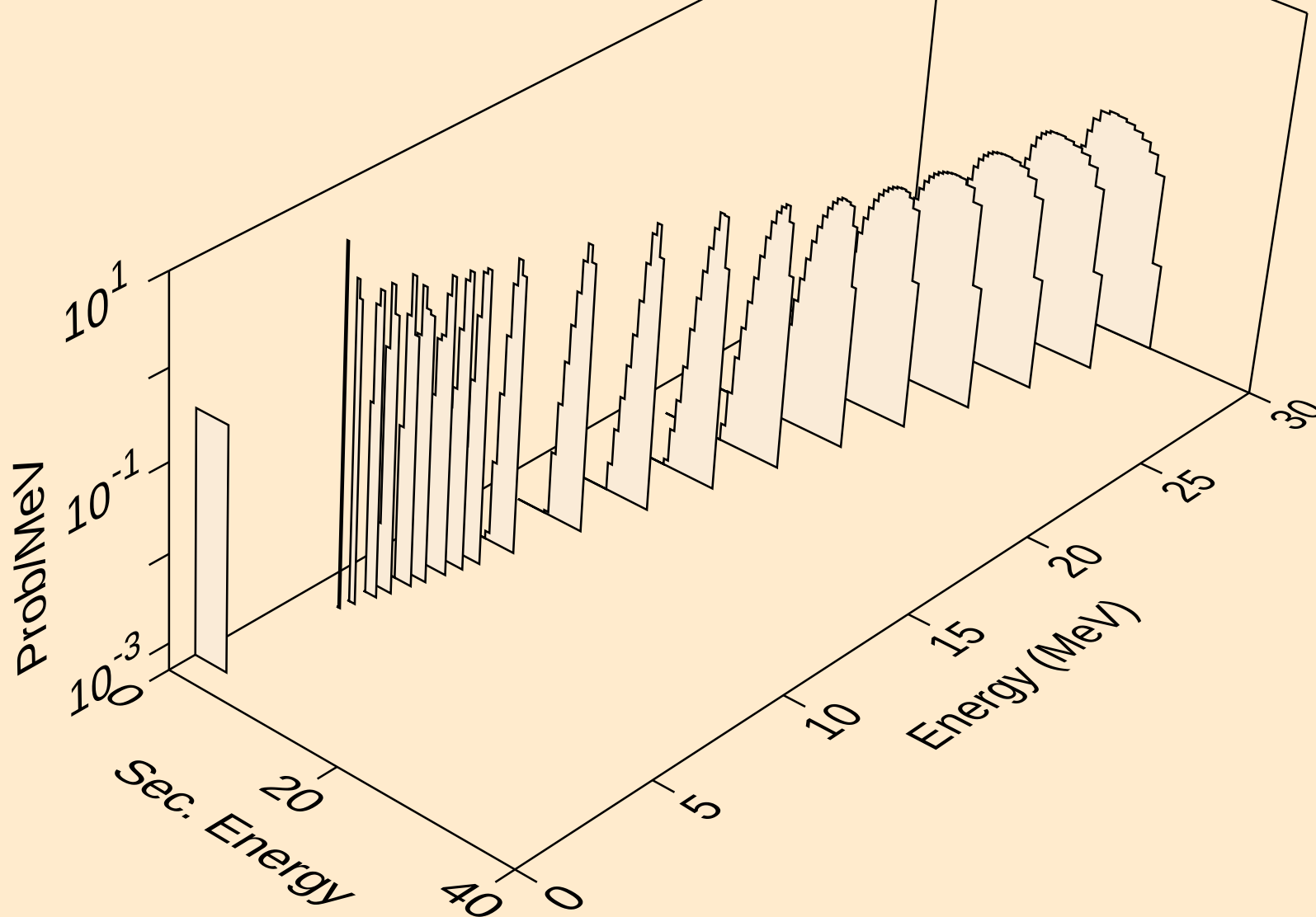
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



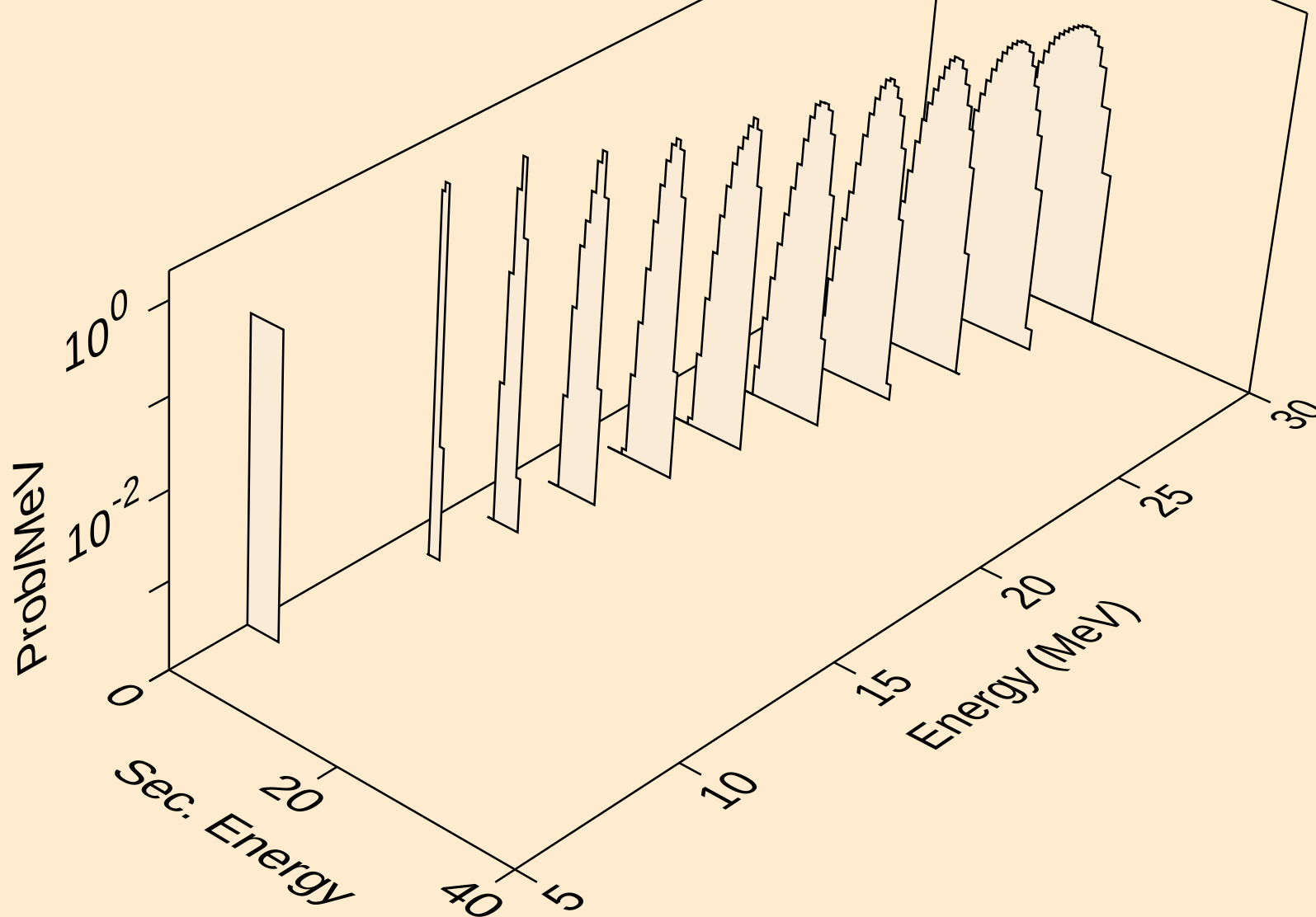
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



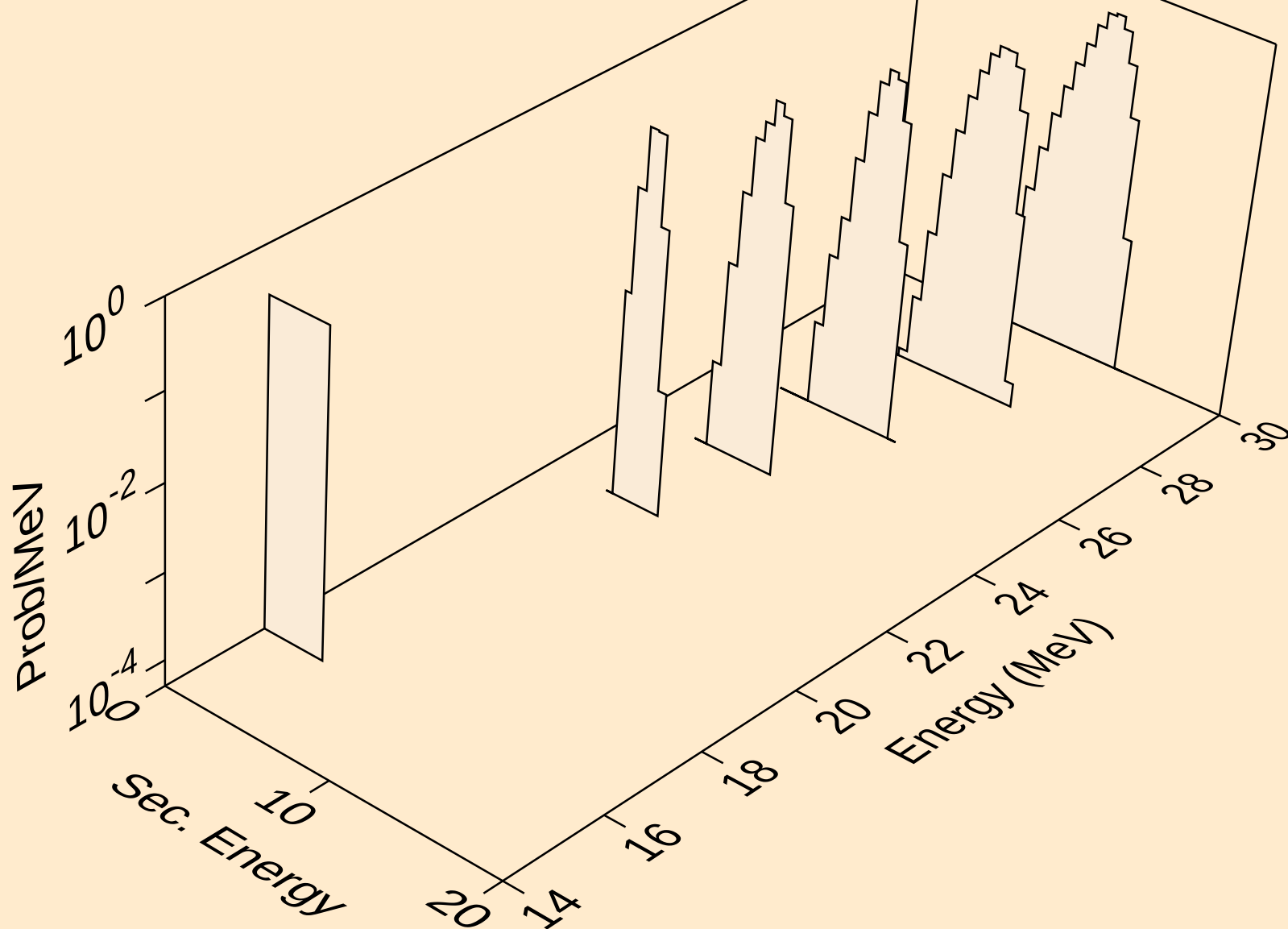
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



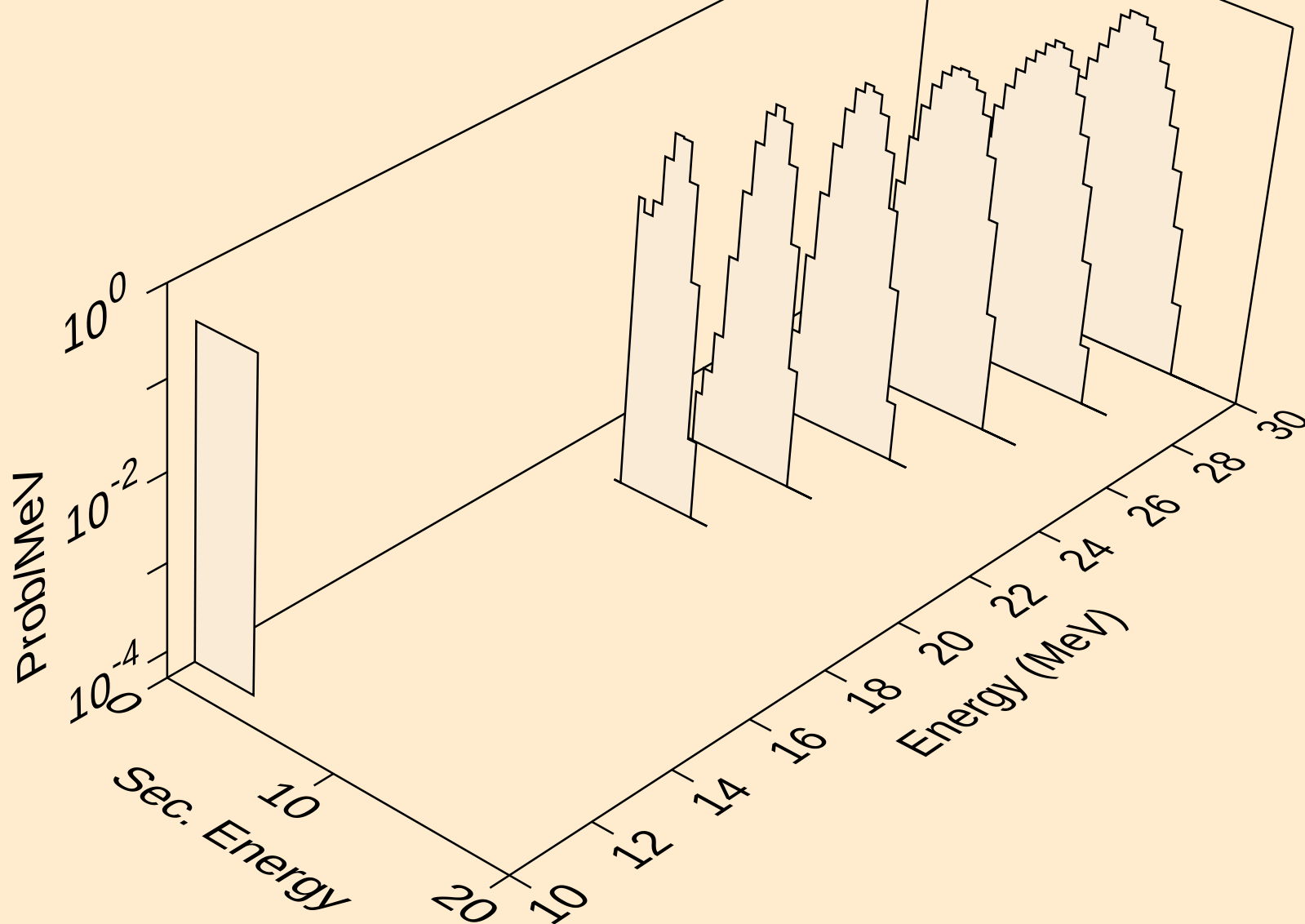
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



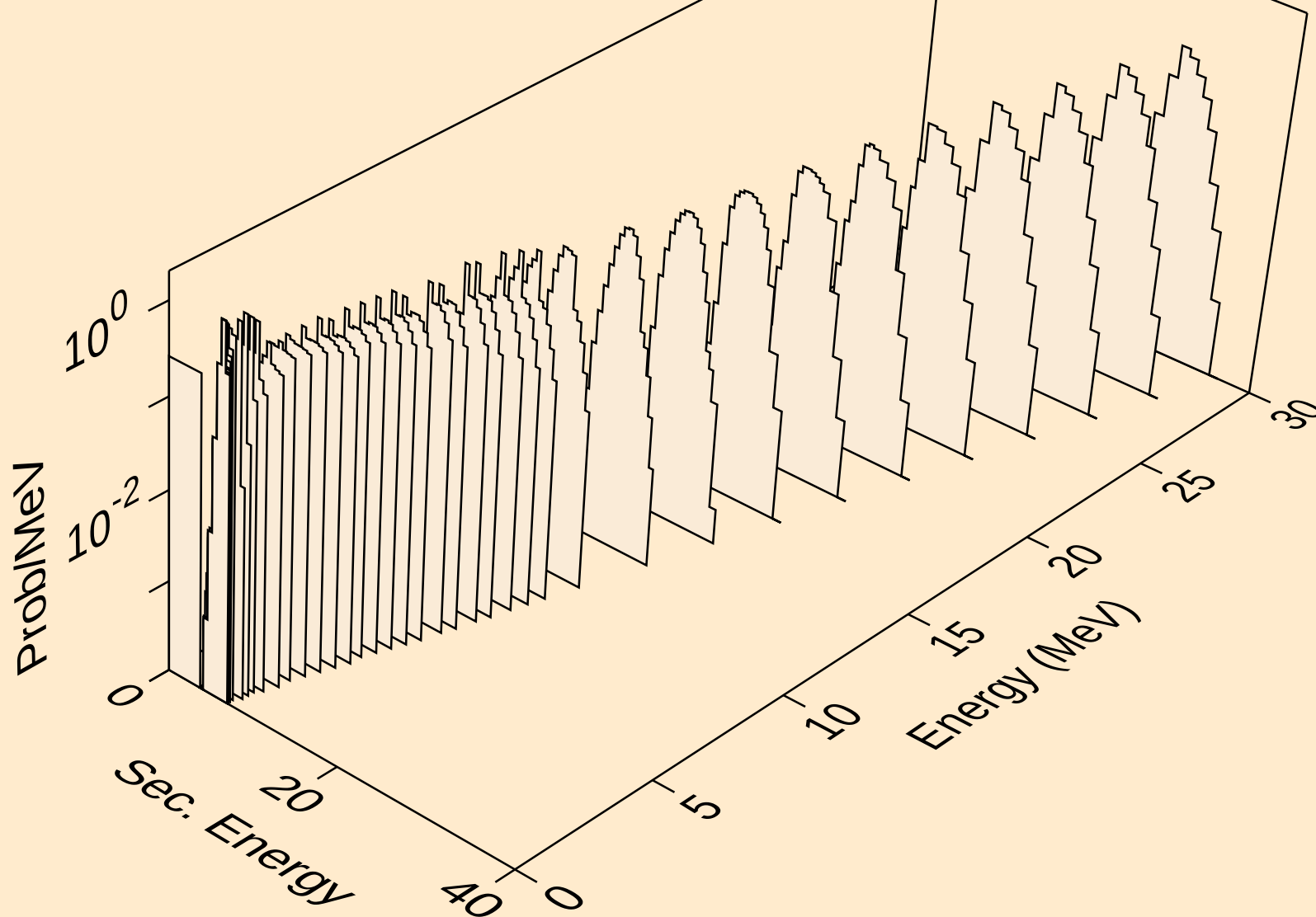
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alphas from (n,3n)a



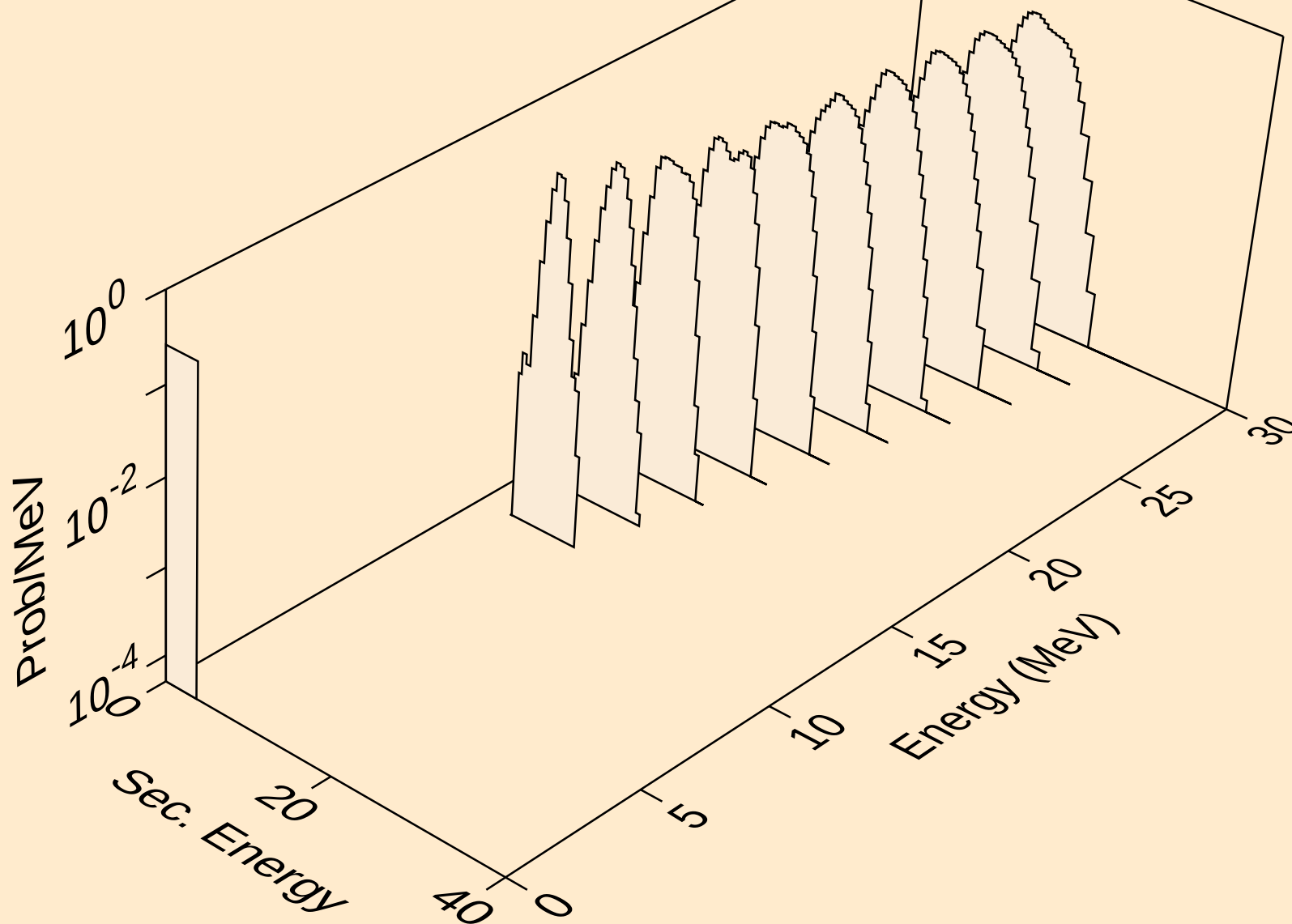
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



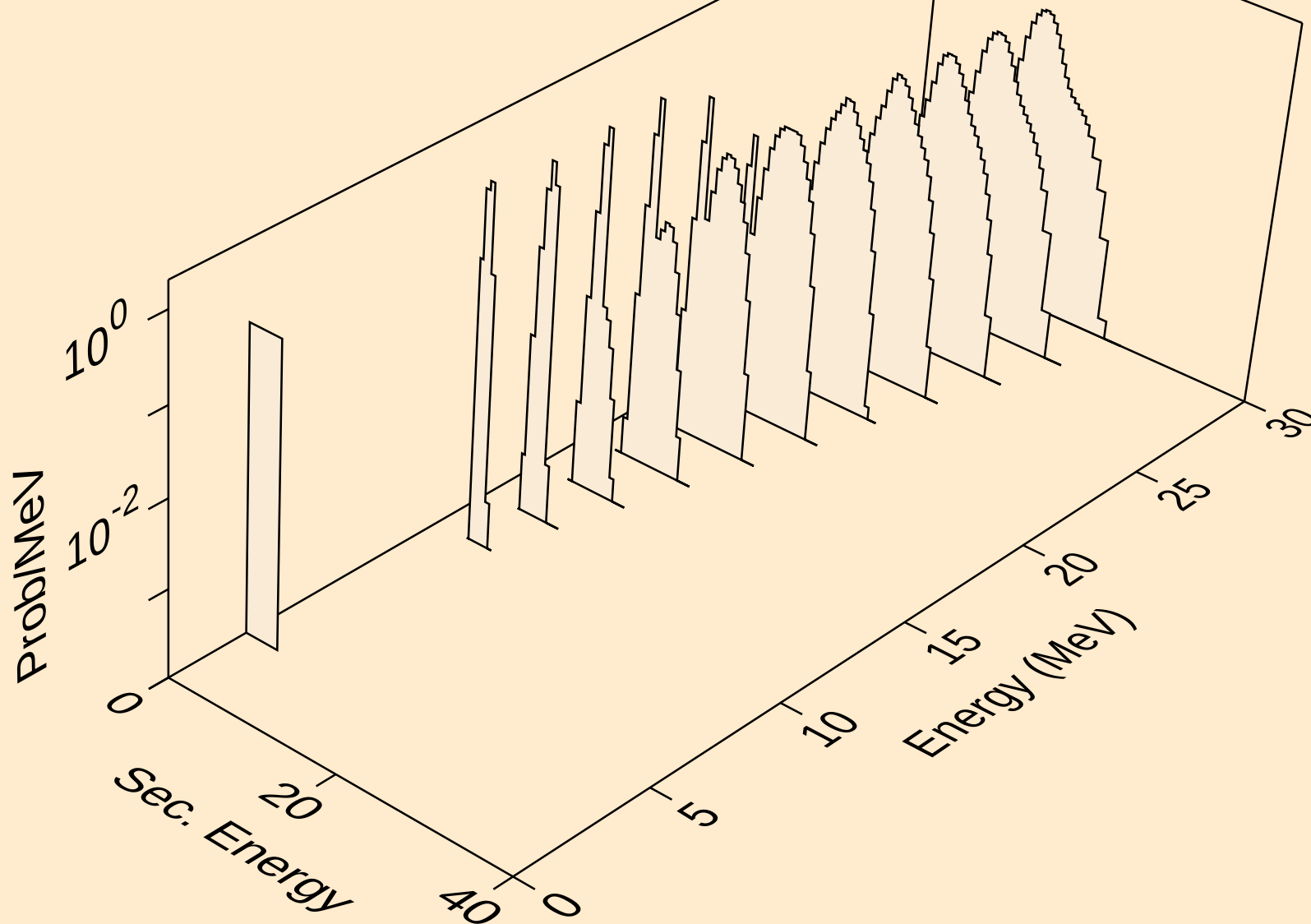
BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



BA139 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

