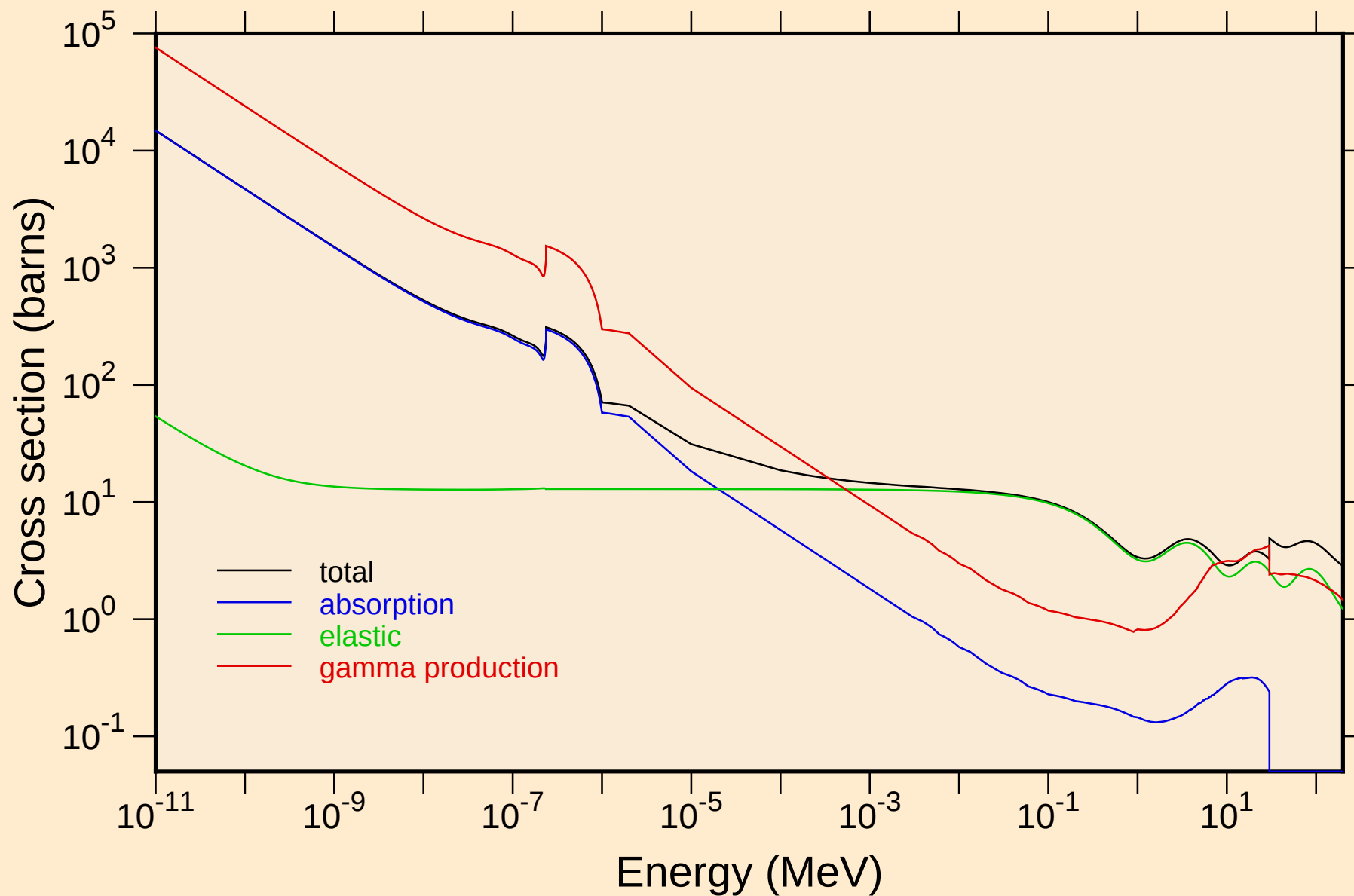


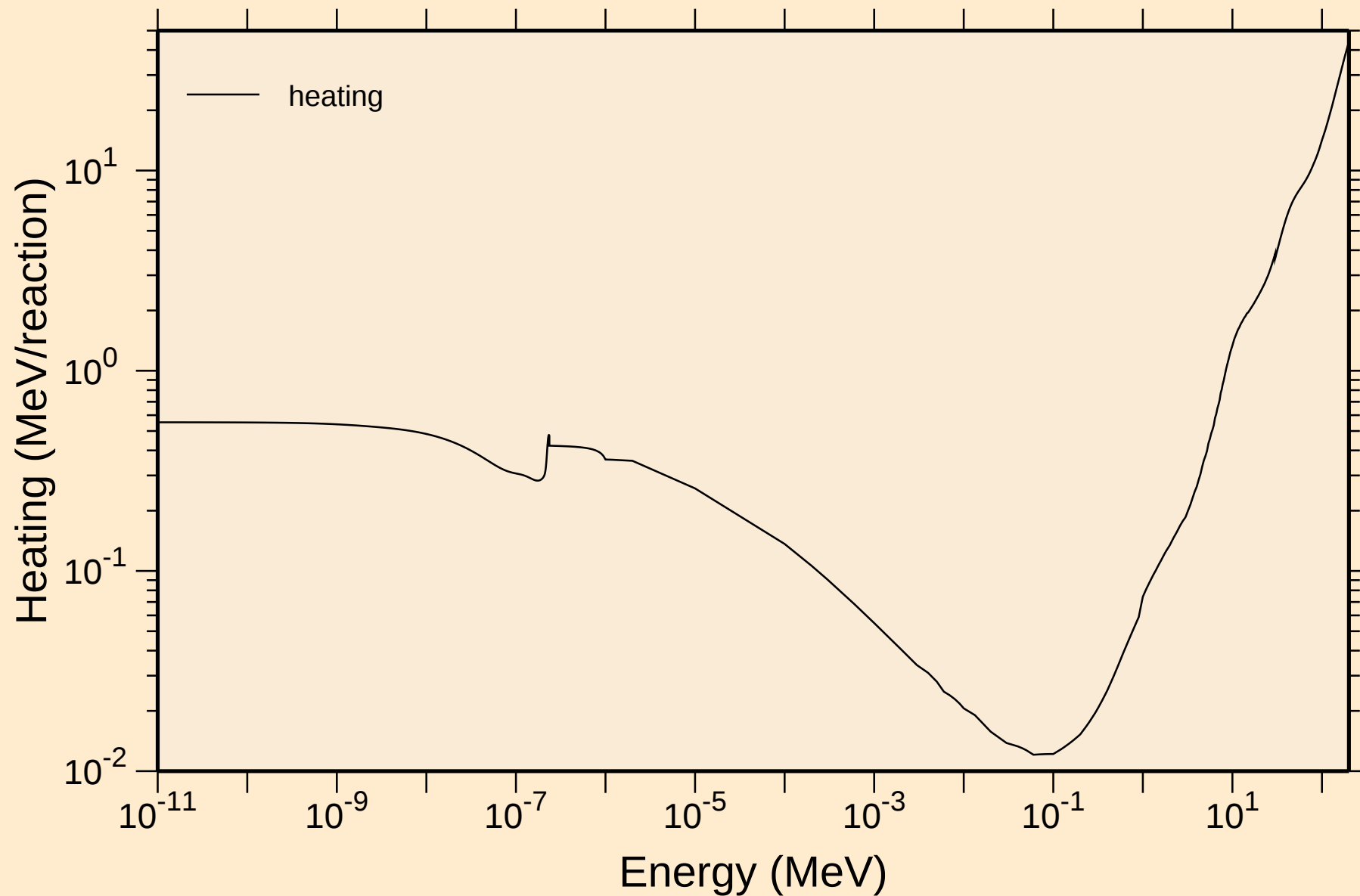
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Principal cross sections



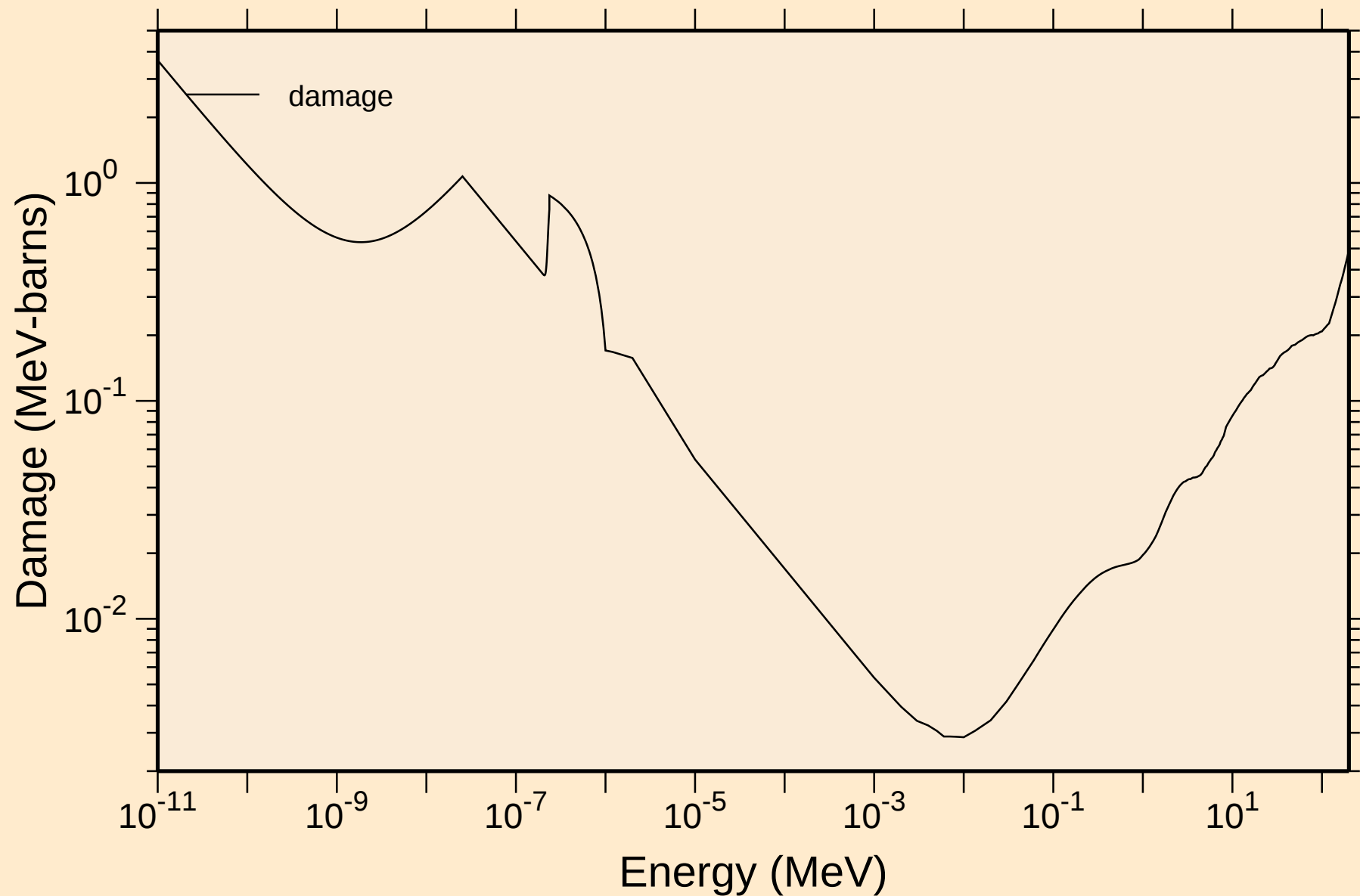
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating



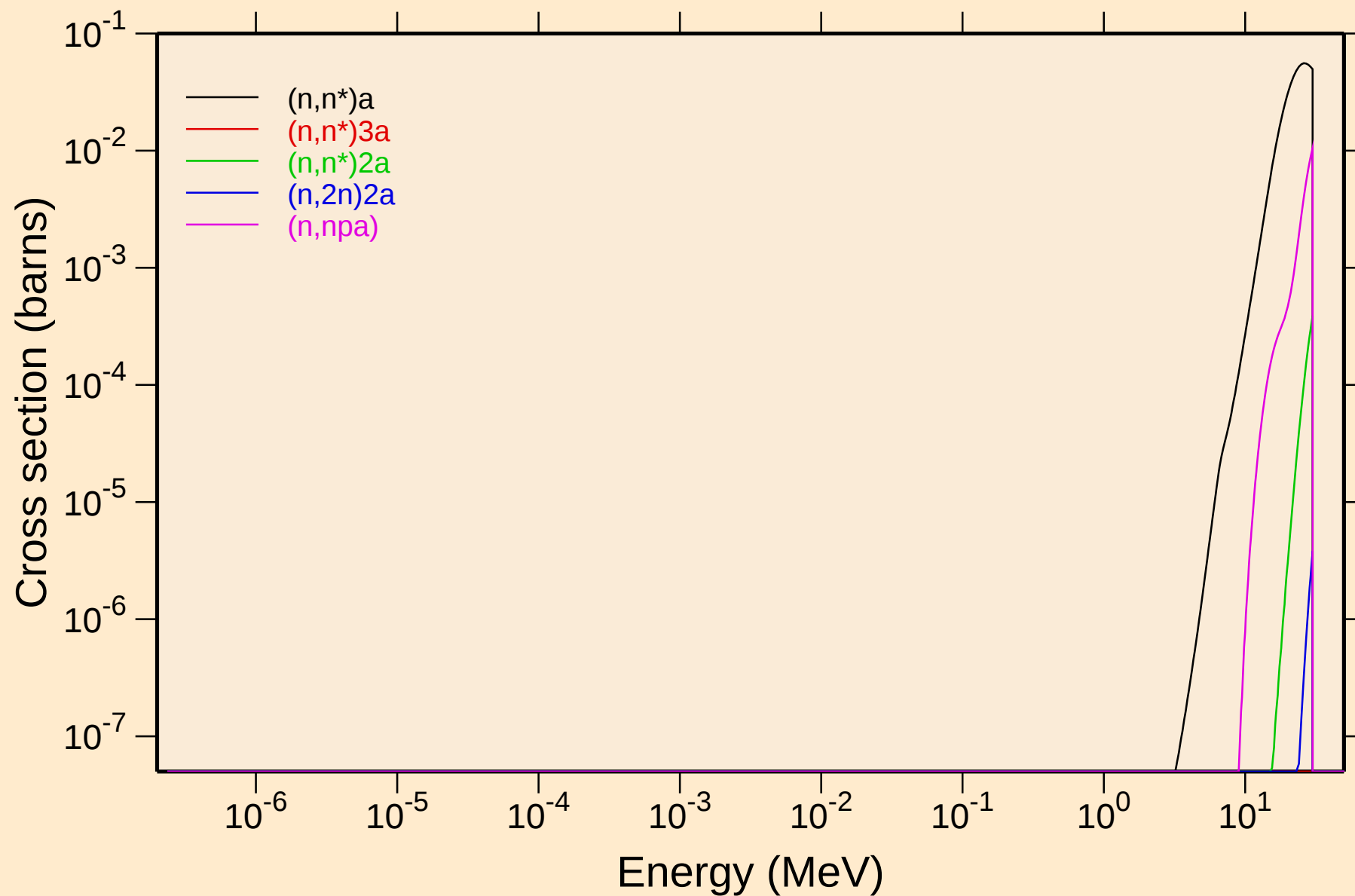
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

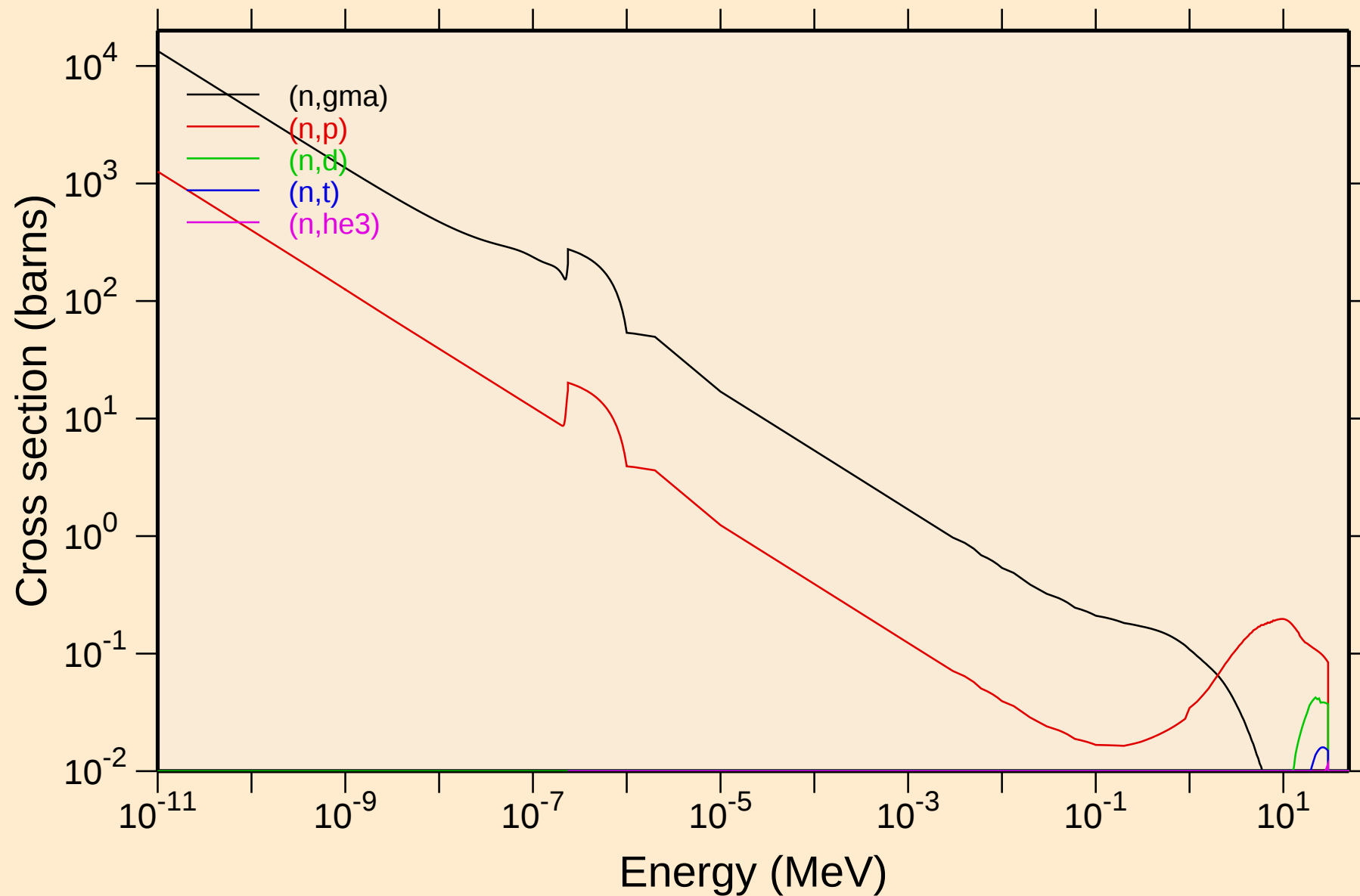


BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

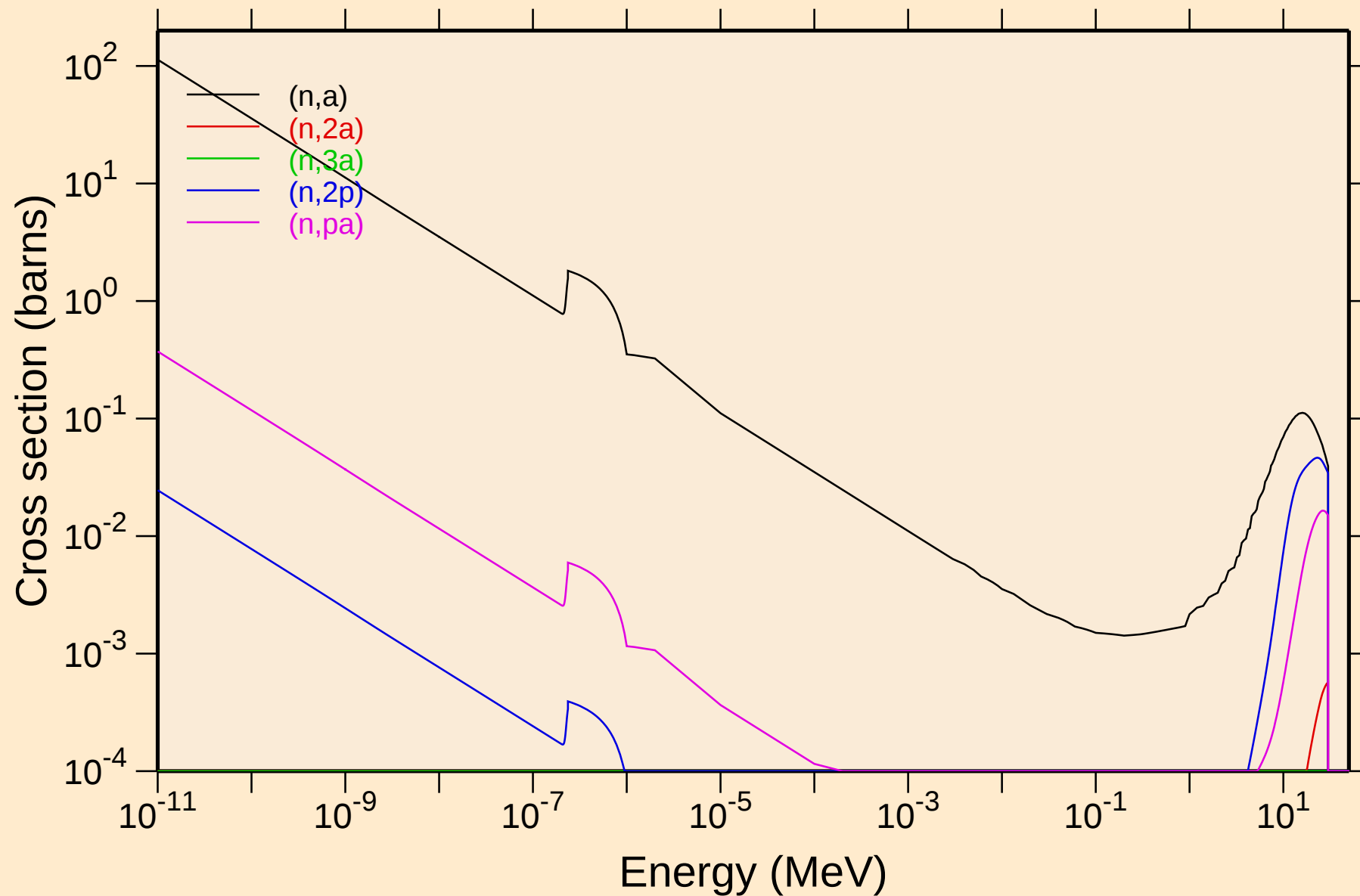
Non-threshold reactions



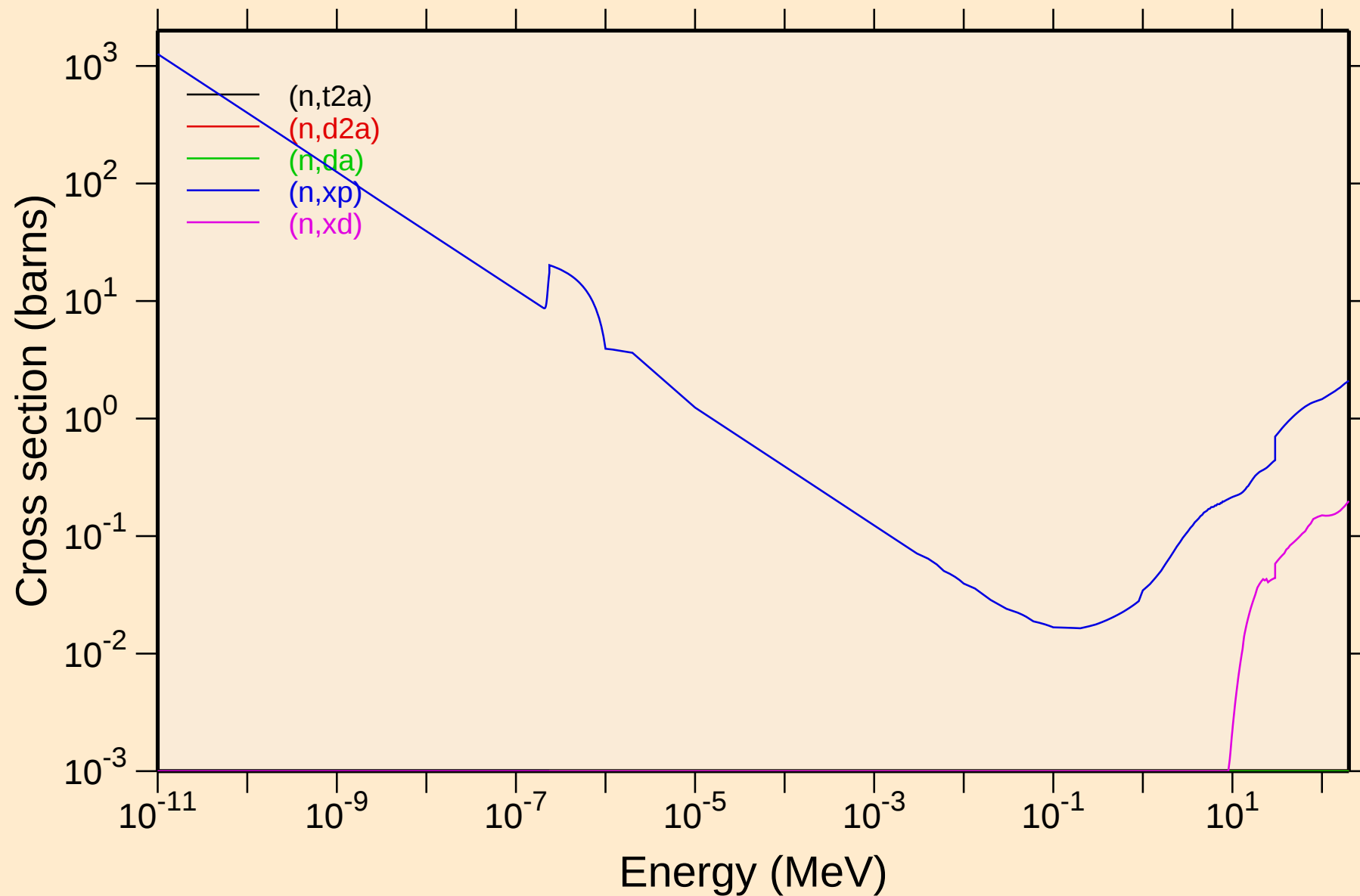
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Non-threshold reactions



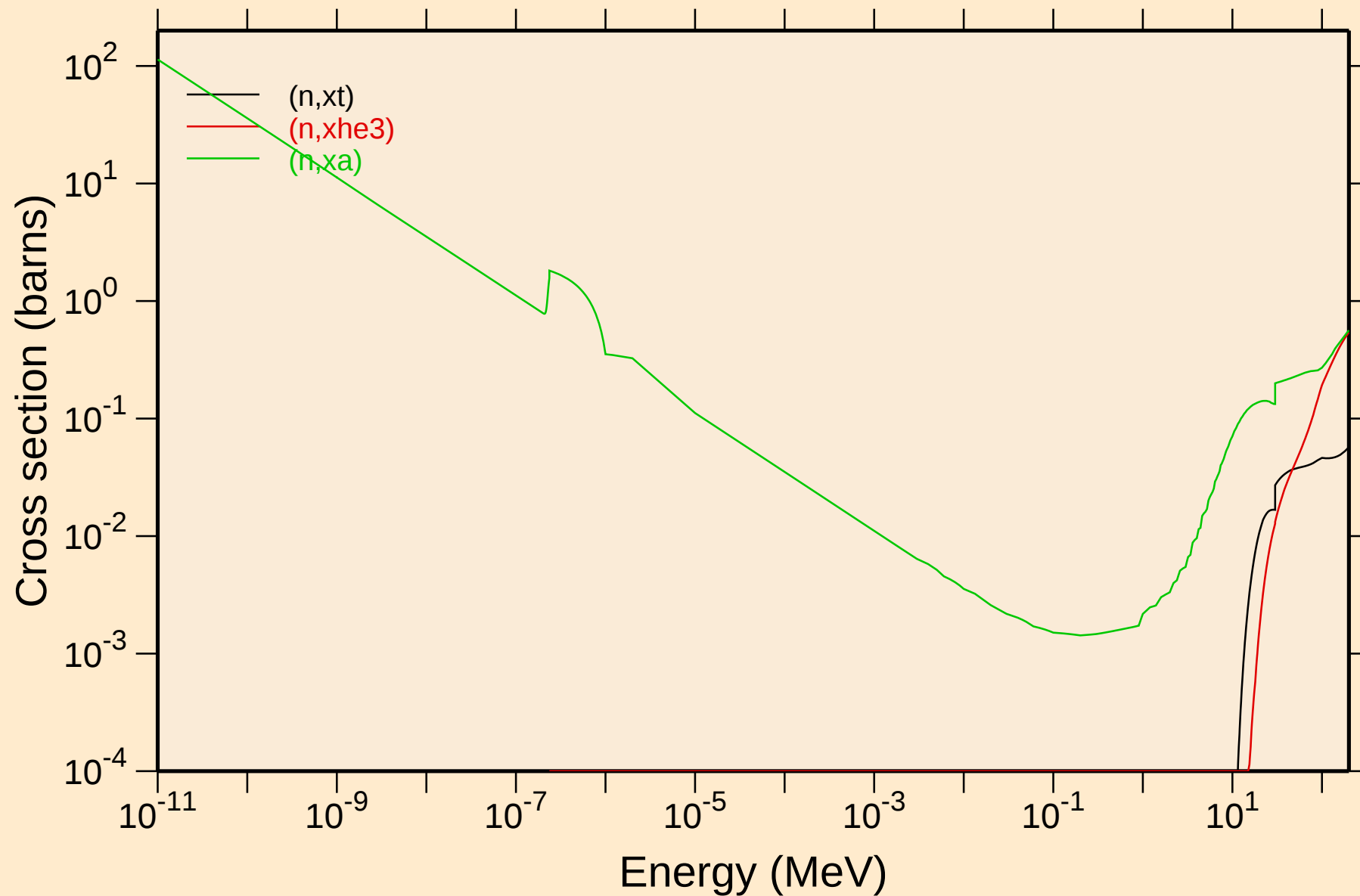
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Non-threshold reactions



BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions

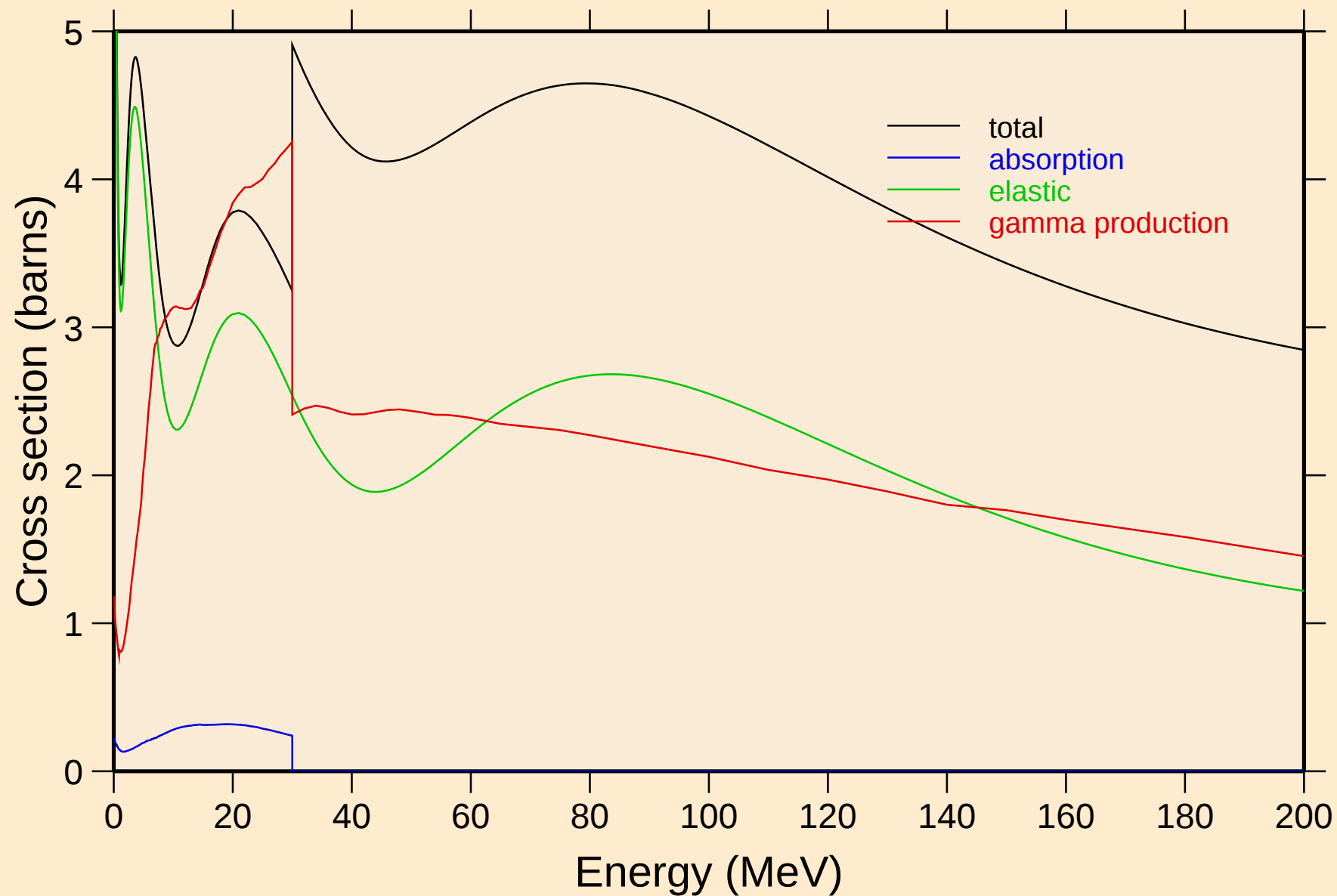


BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions



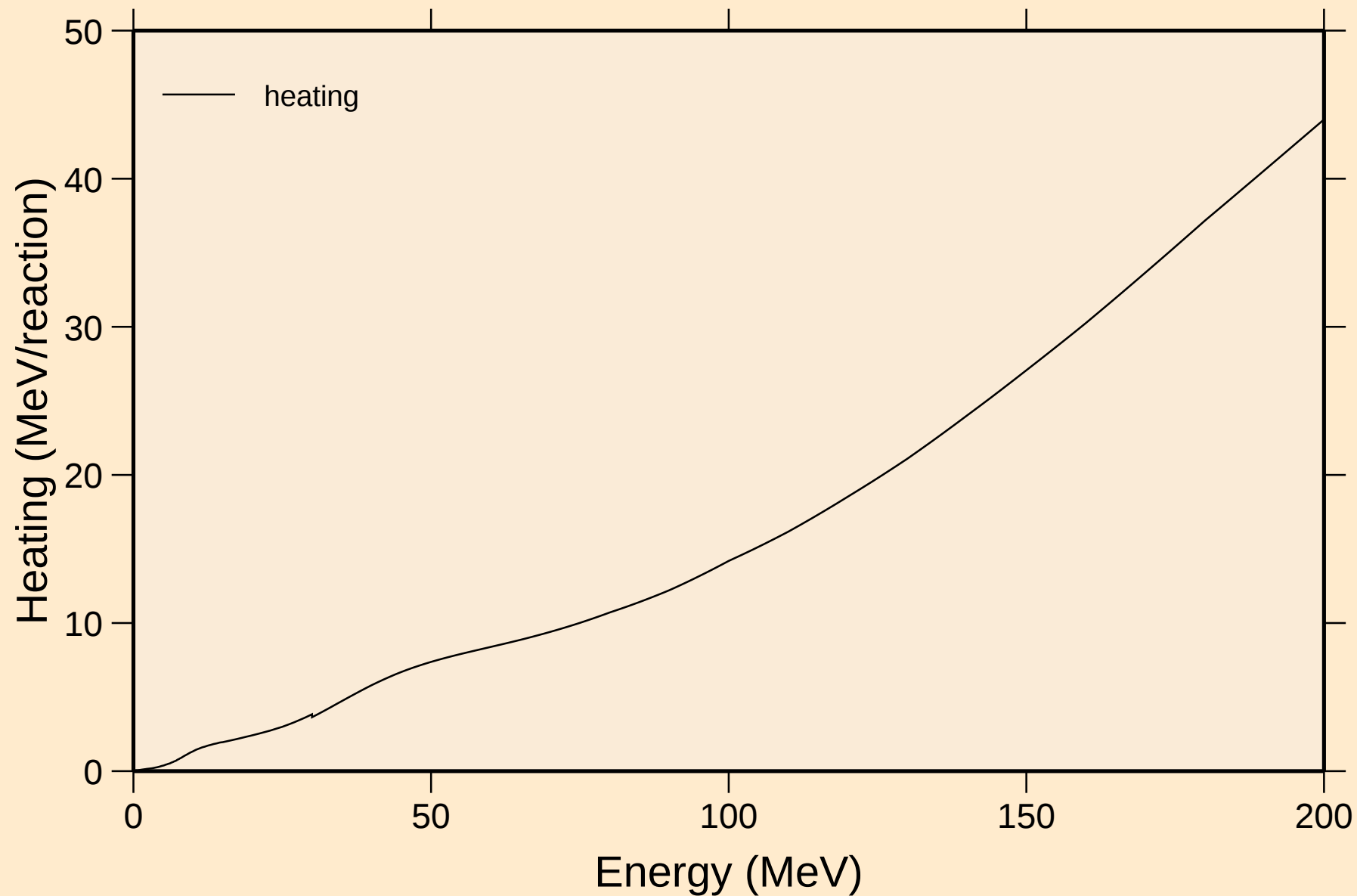
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Principal cross sections



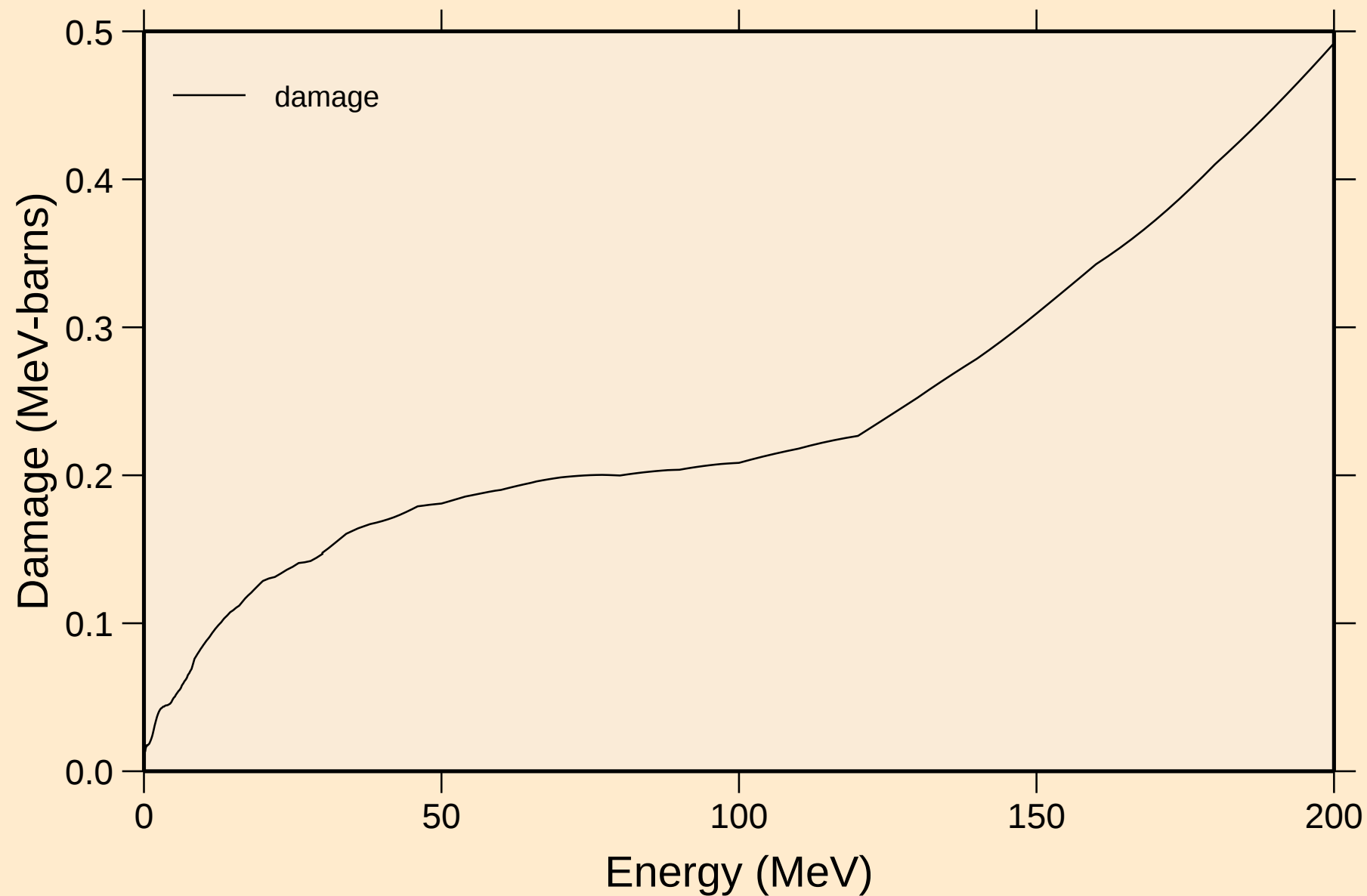
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Heating

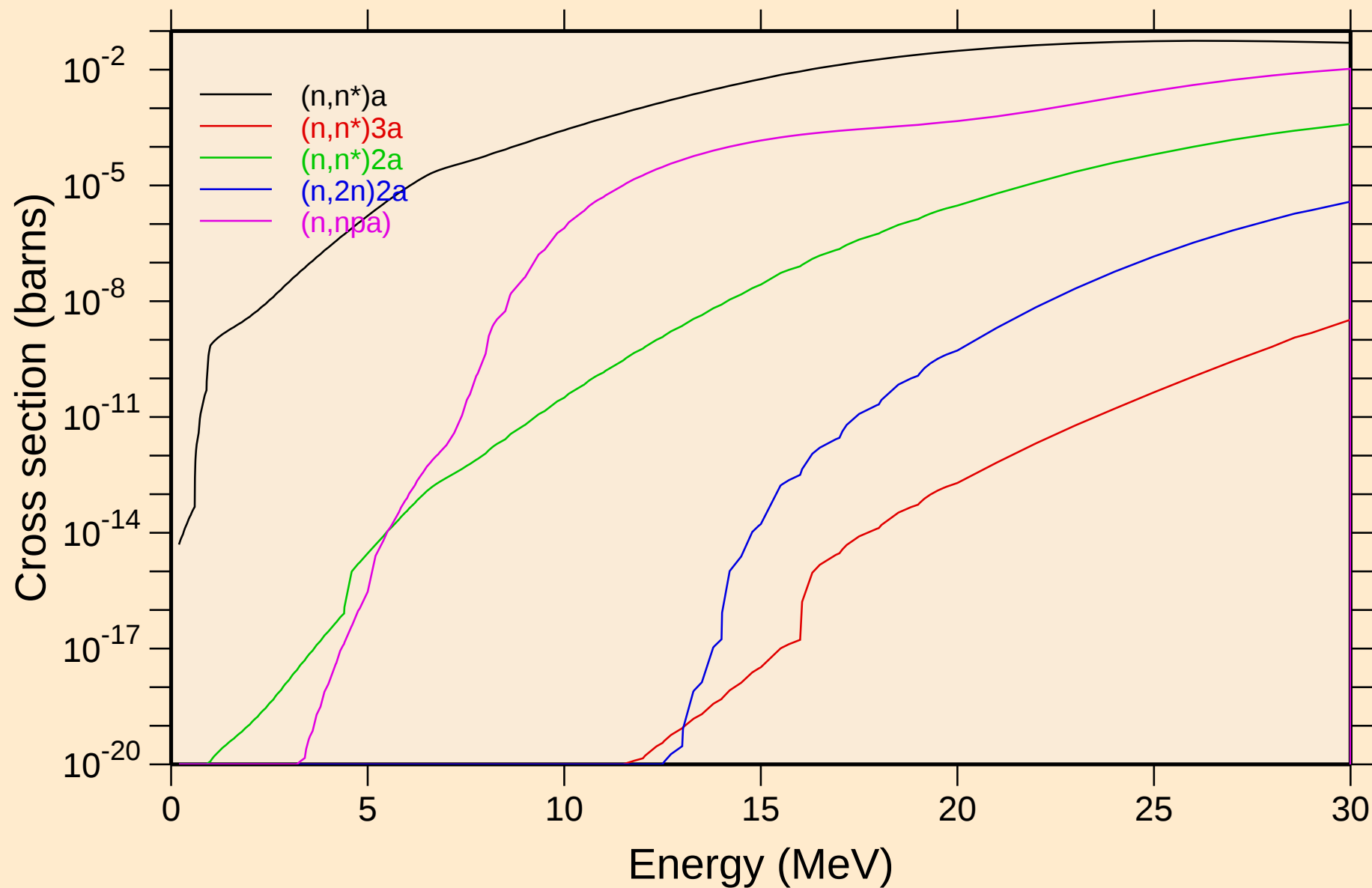


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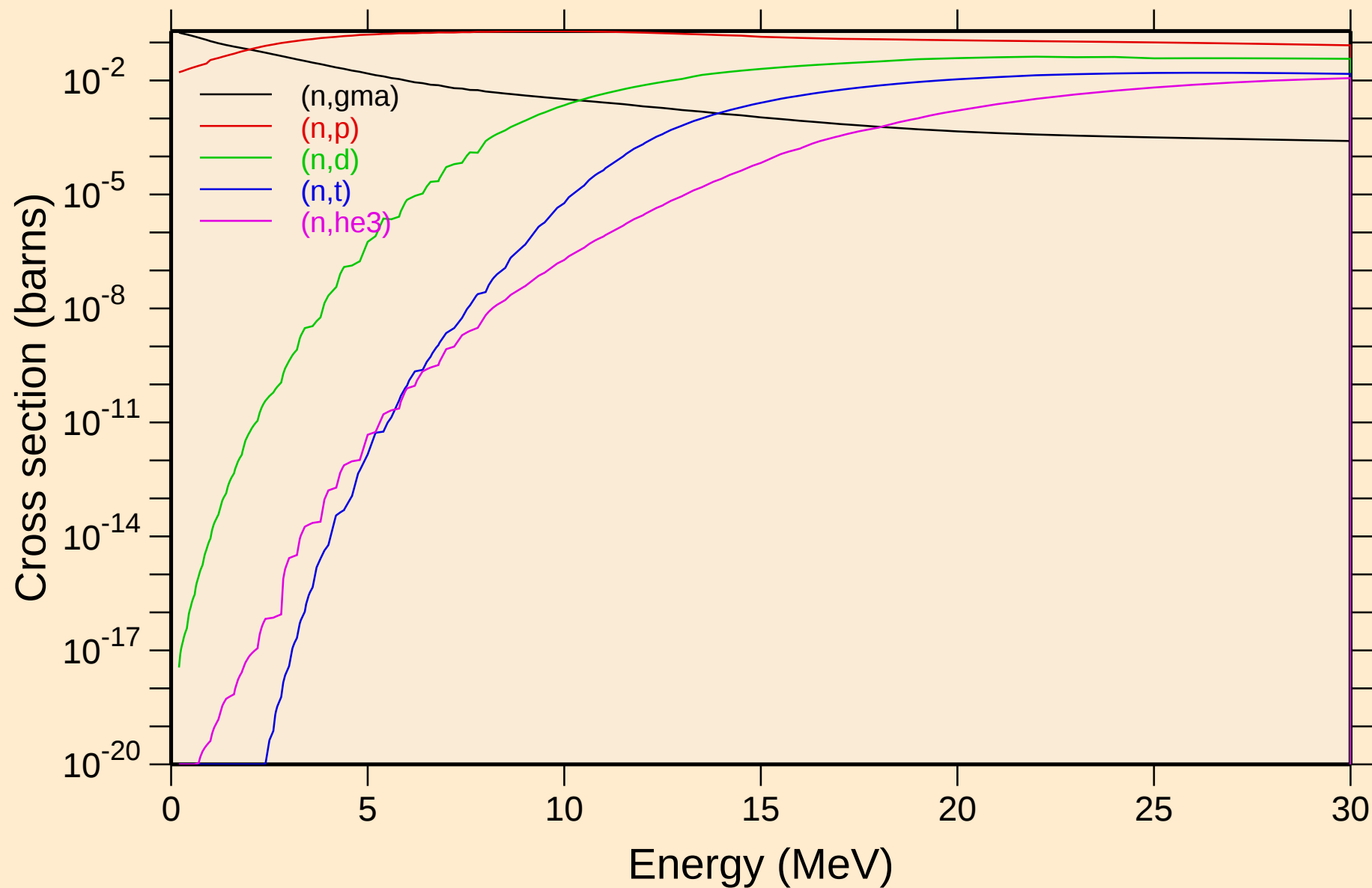
Damage



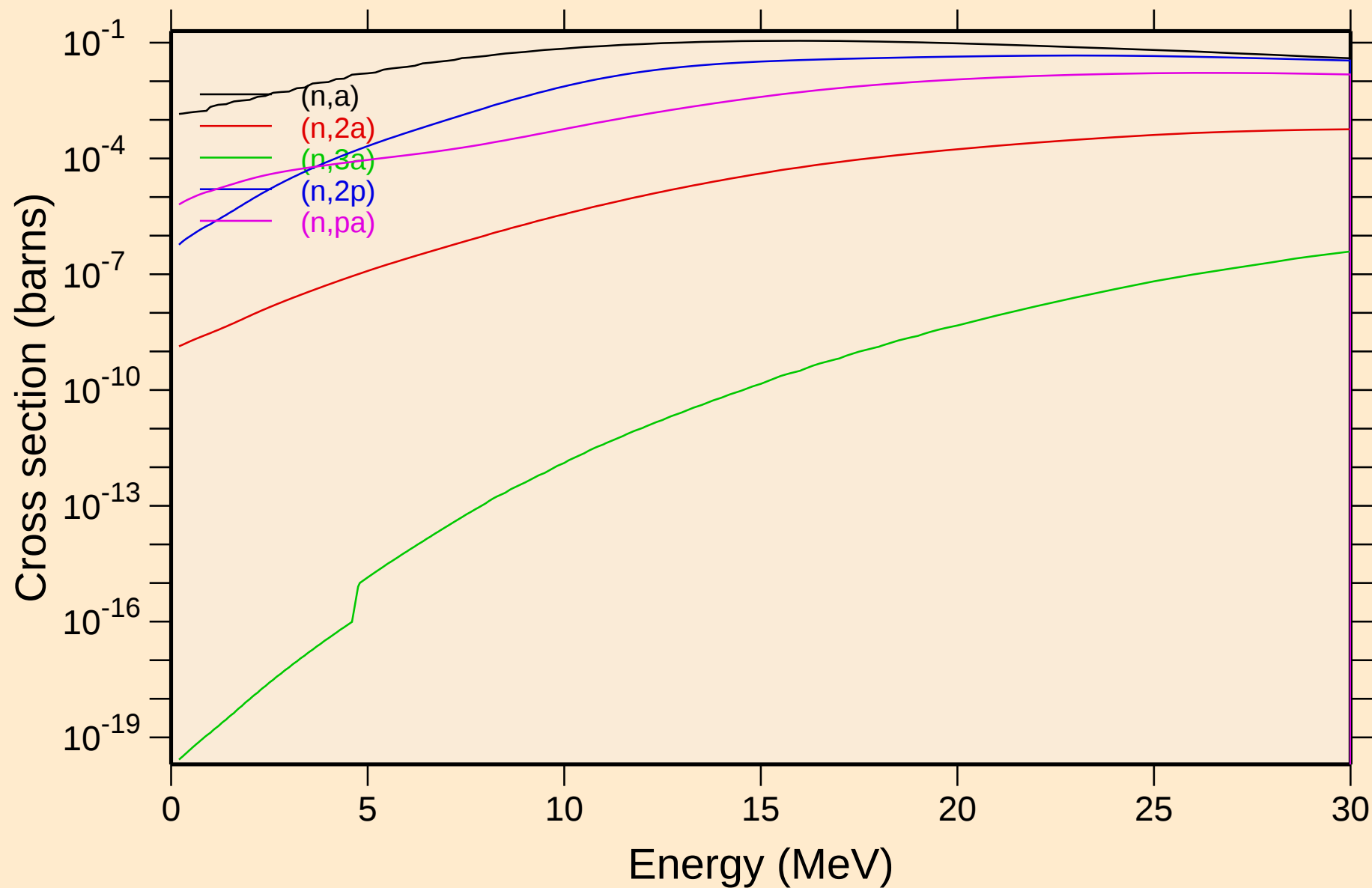
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Non-threshold reactions



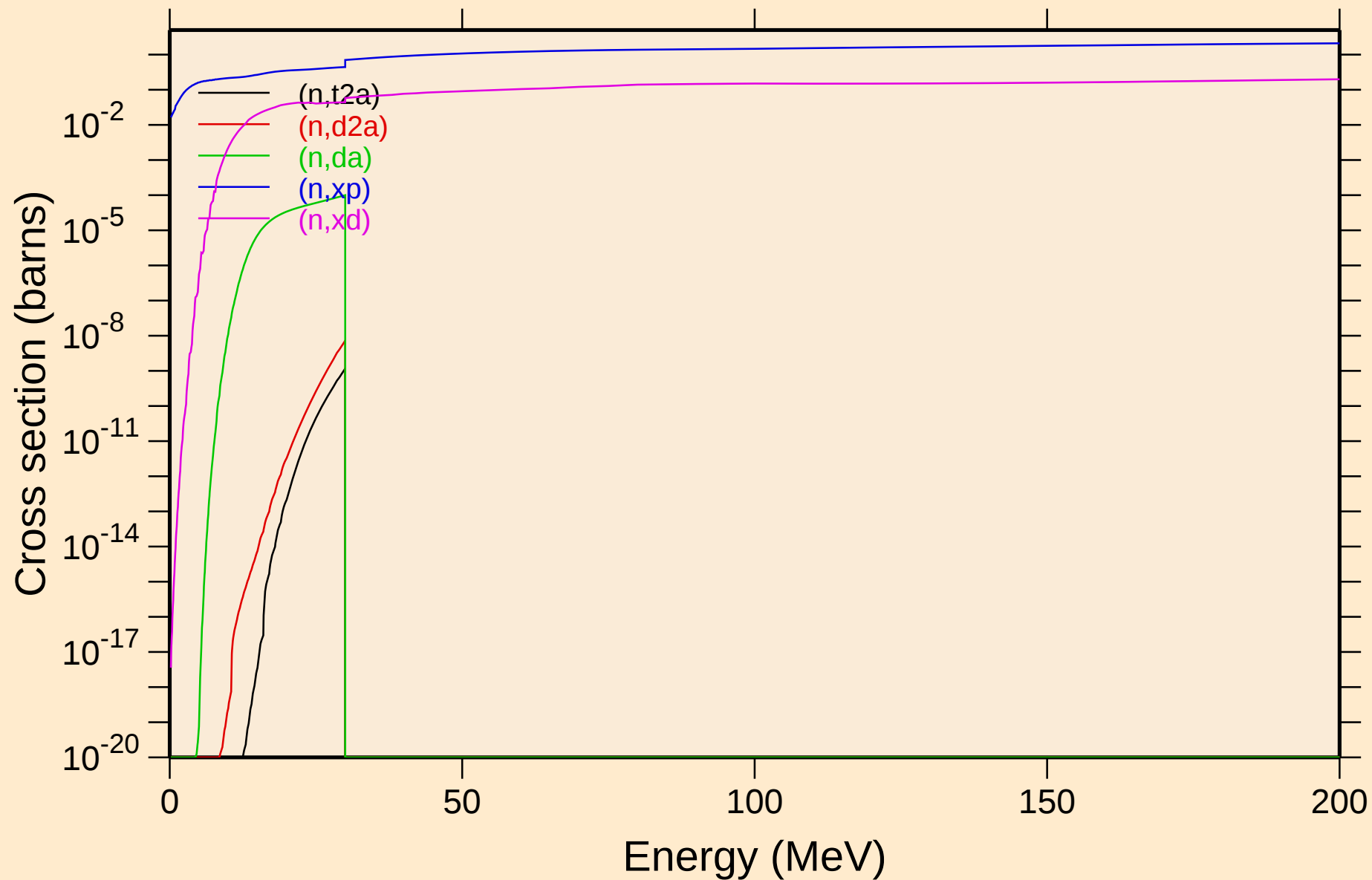
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Non-threshold reactions



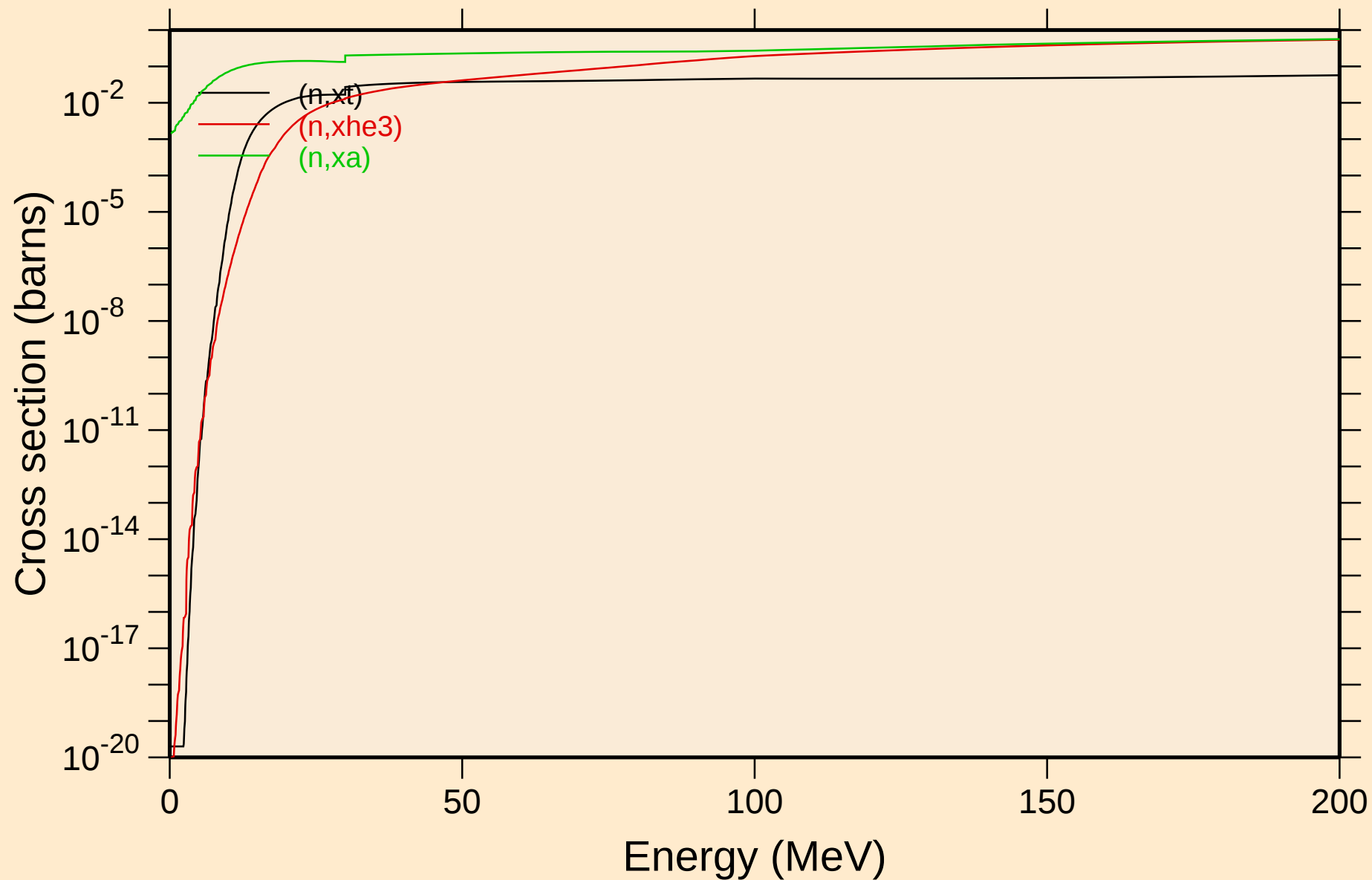
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Non-threshold reactions



BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Non-threshold reactions

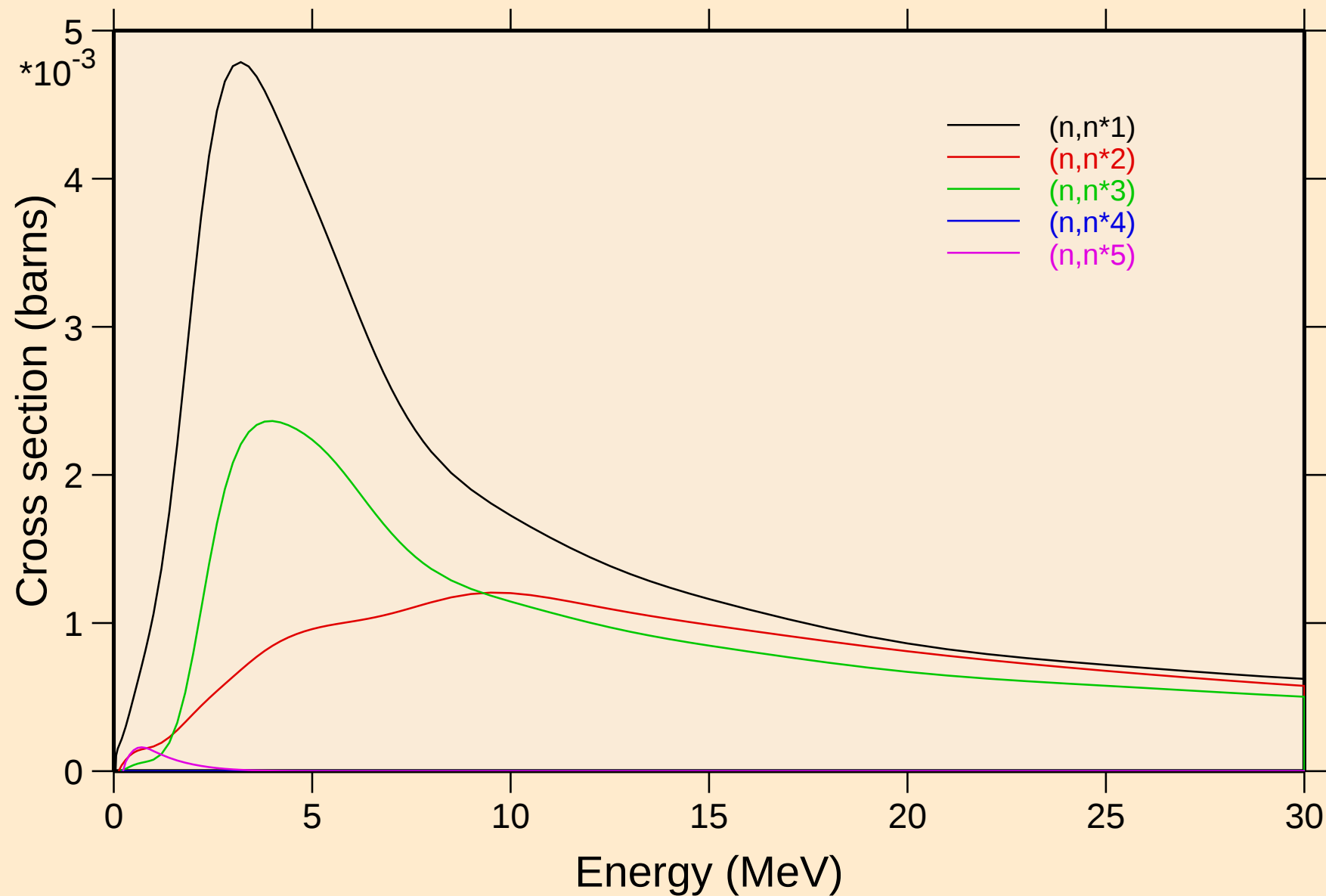


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Non-threshold reactions



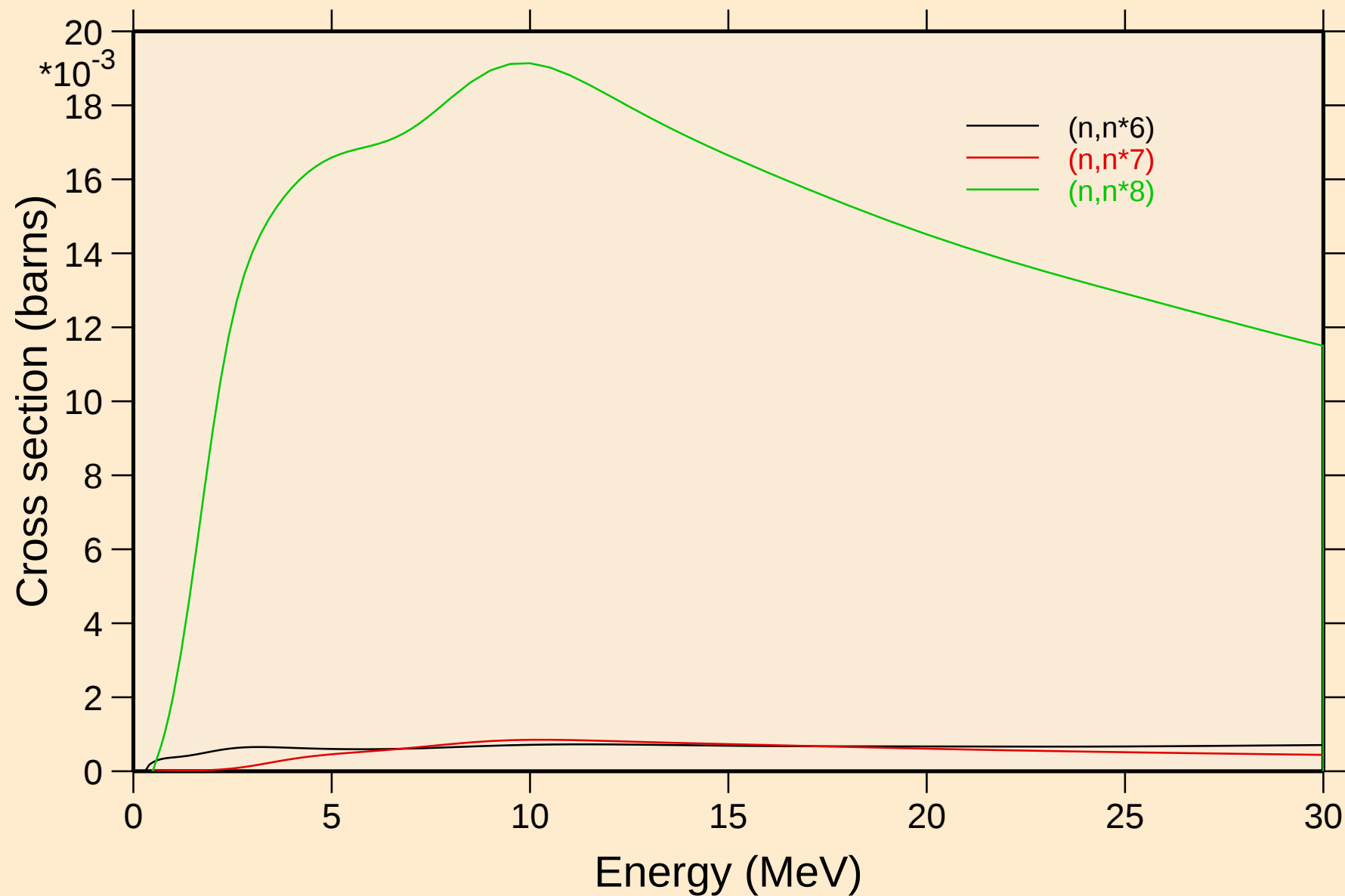
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Inelastic levels



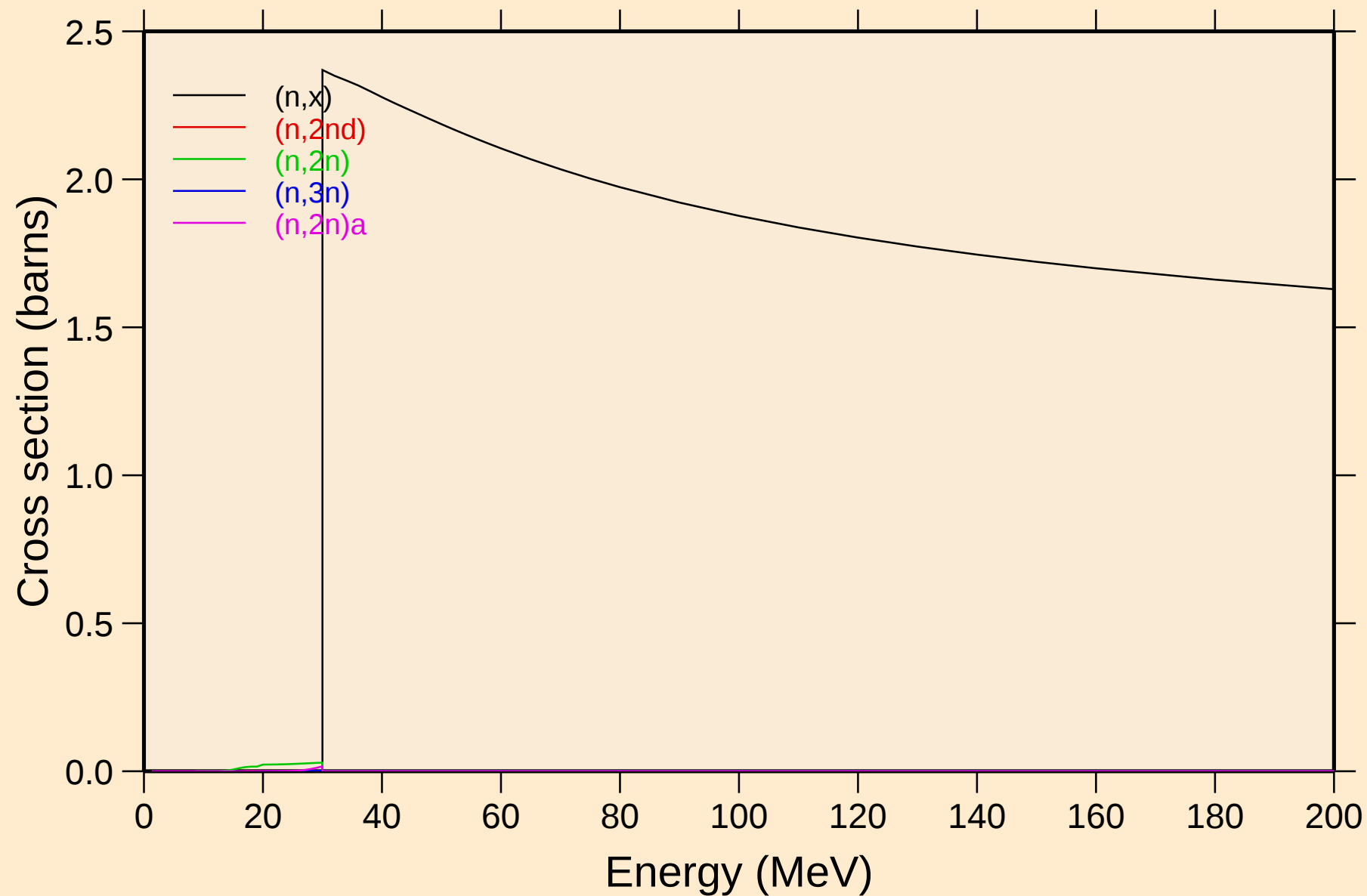
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Inelastic levels

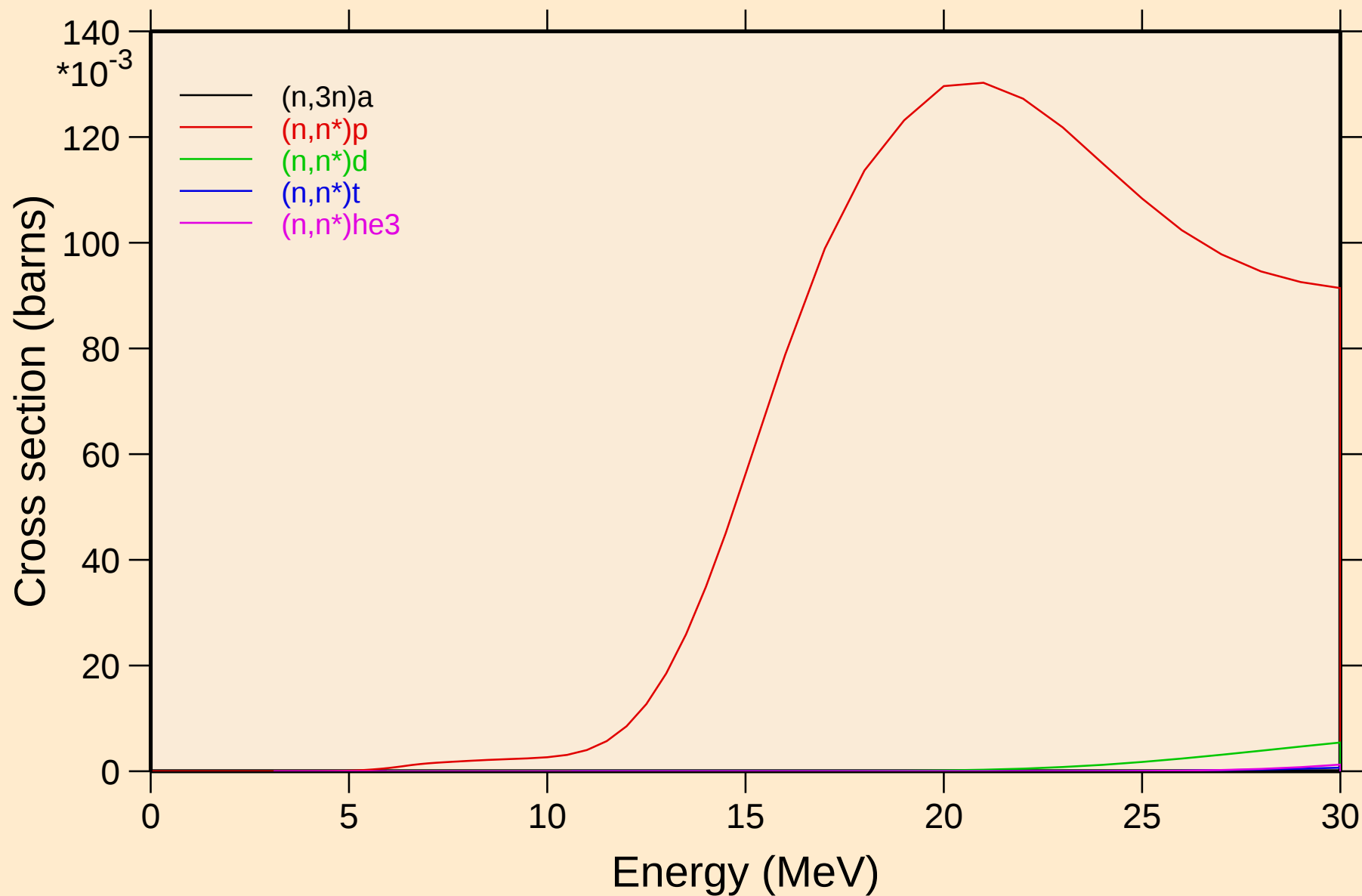


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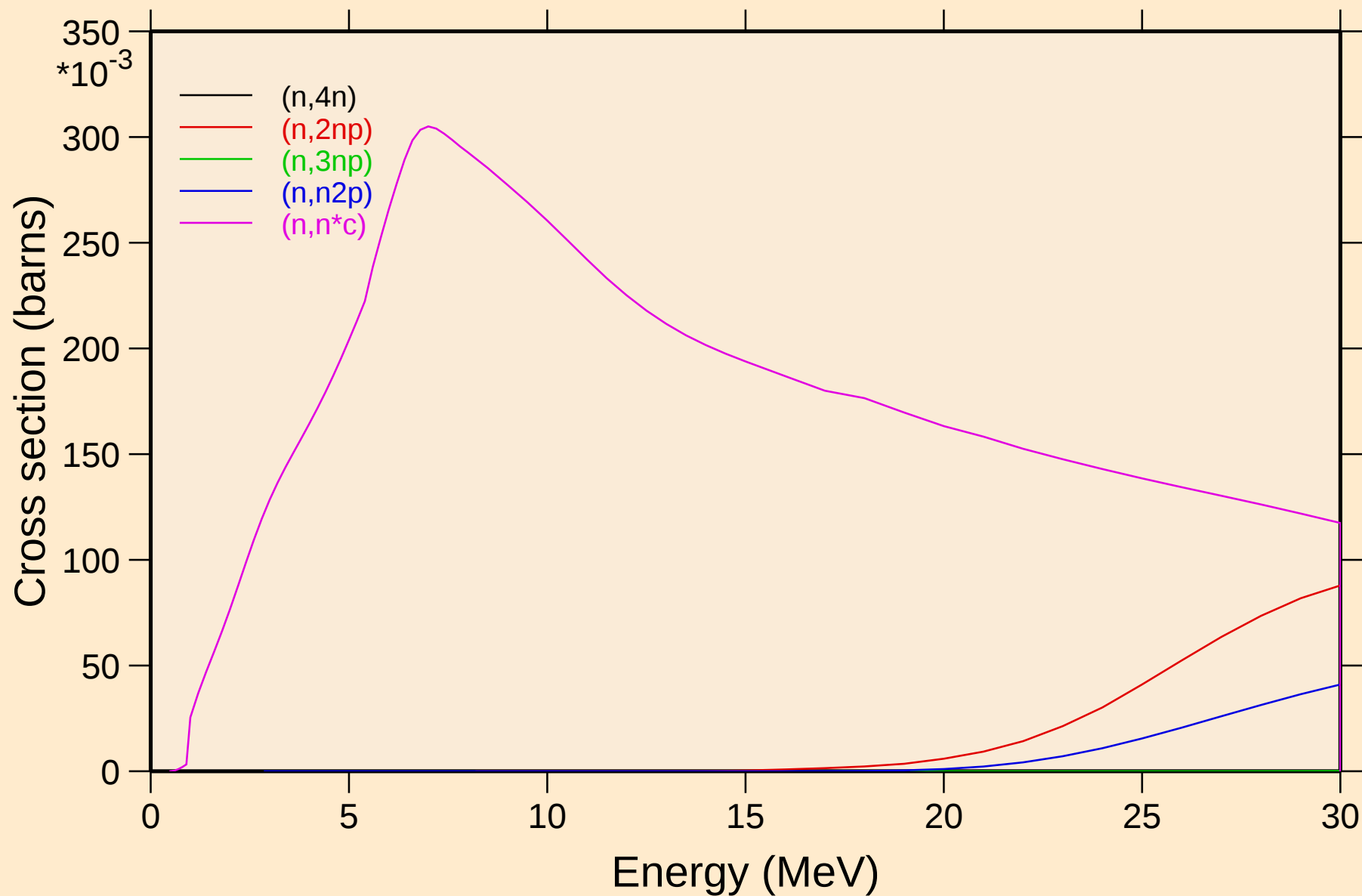
Threshold reactions



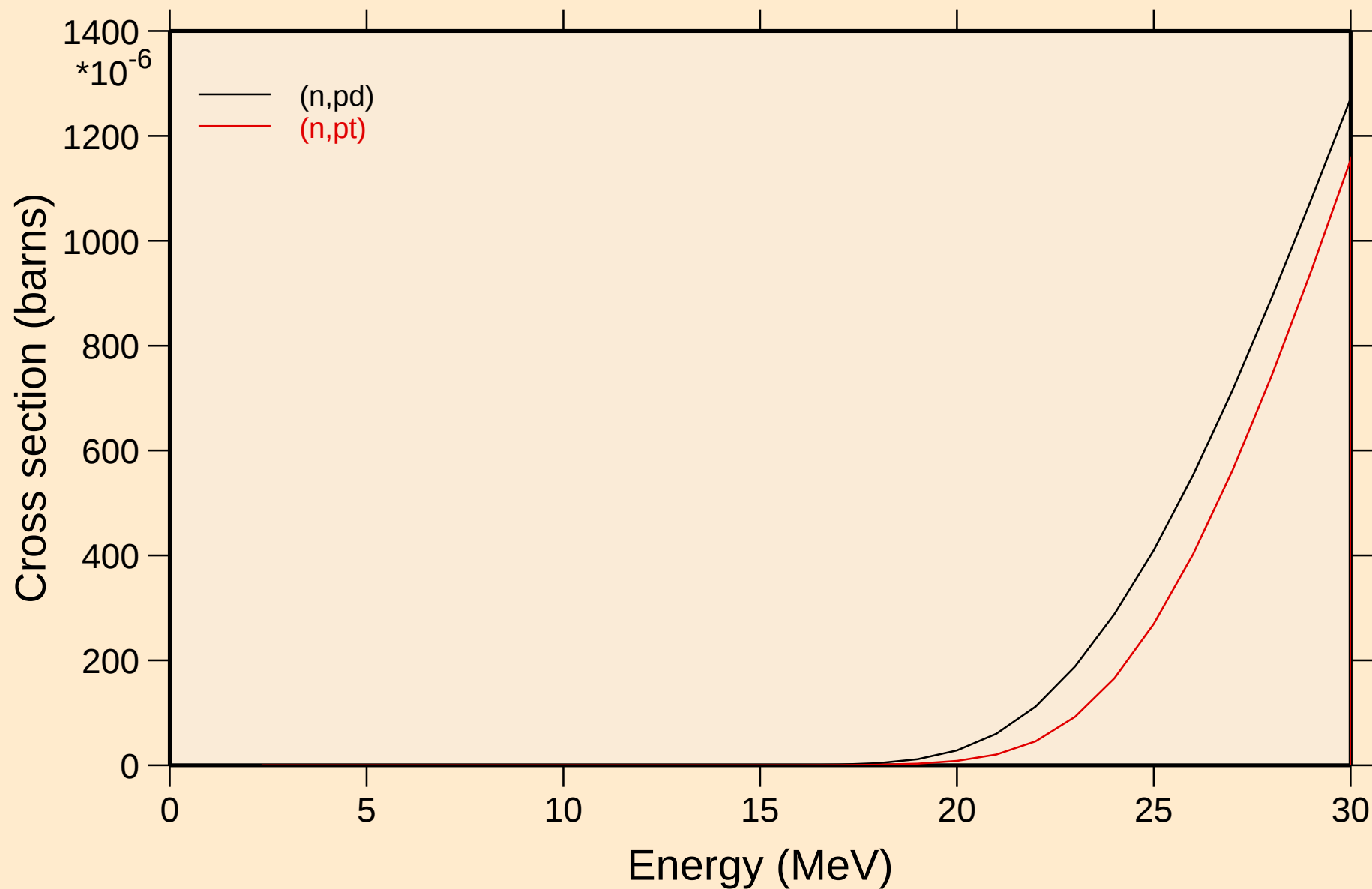
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Threshold reactions



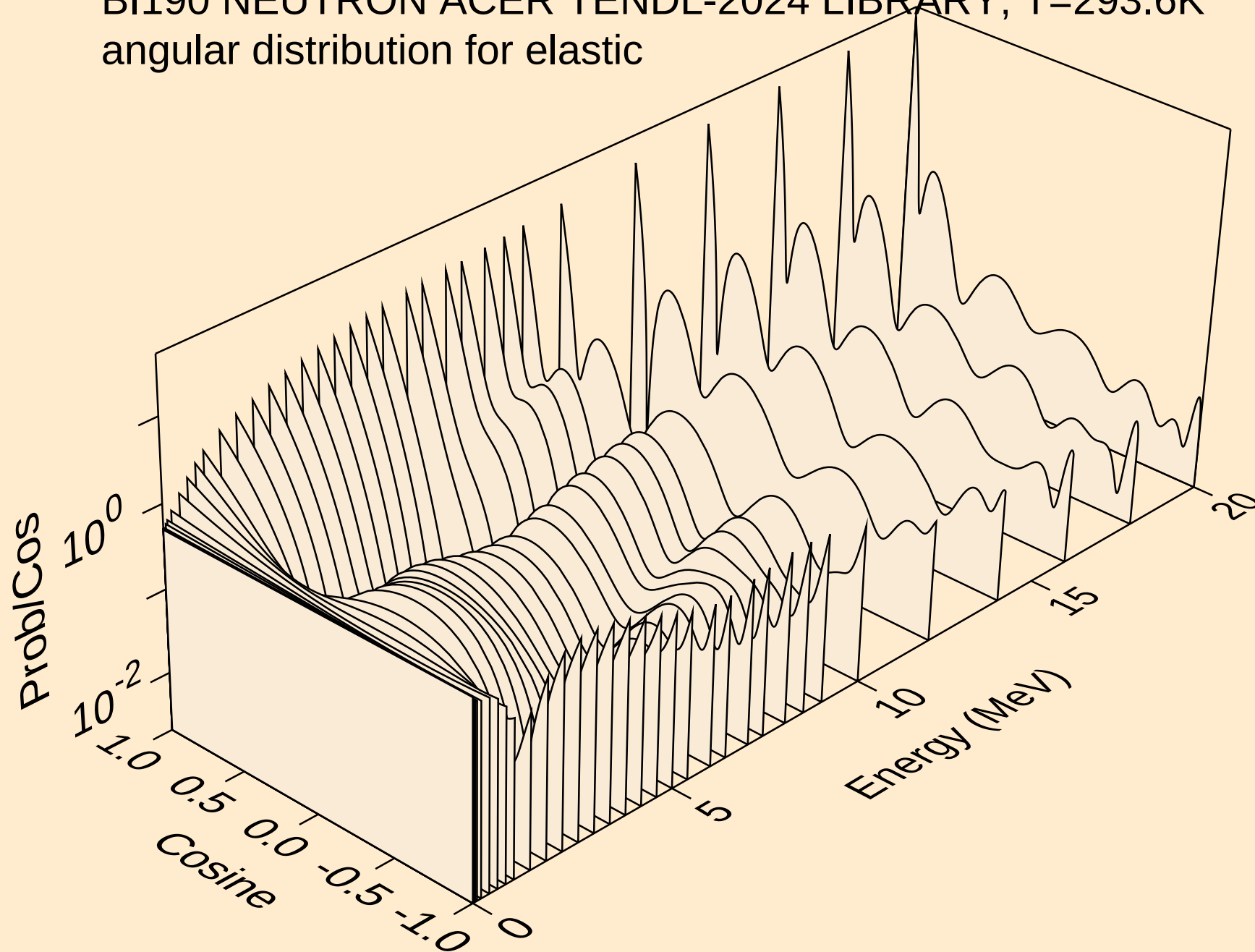
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Threshold reactions



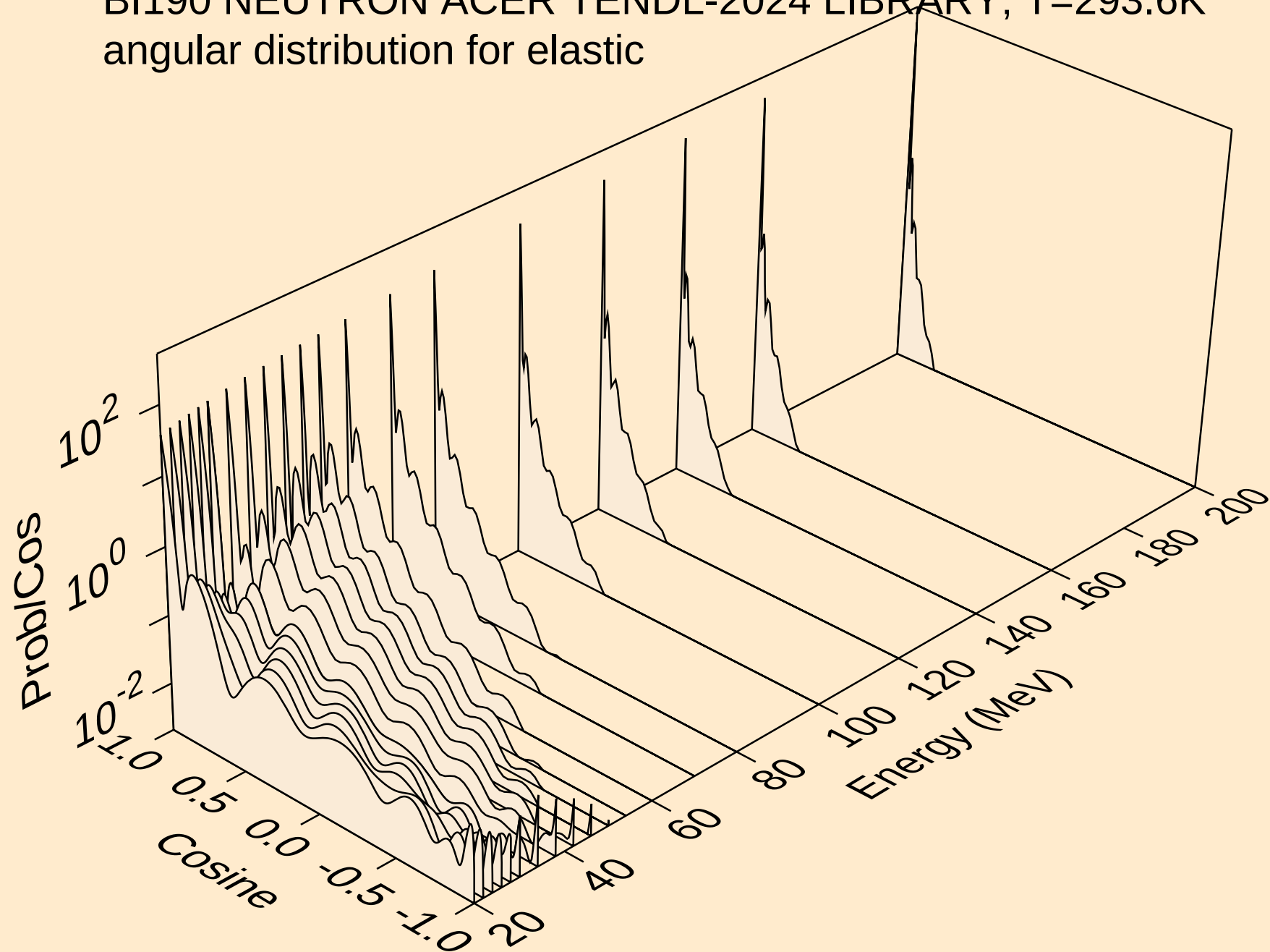
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Threshold reactions



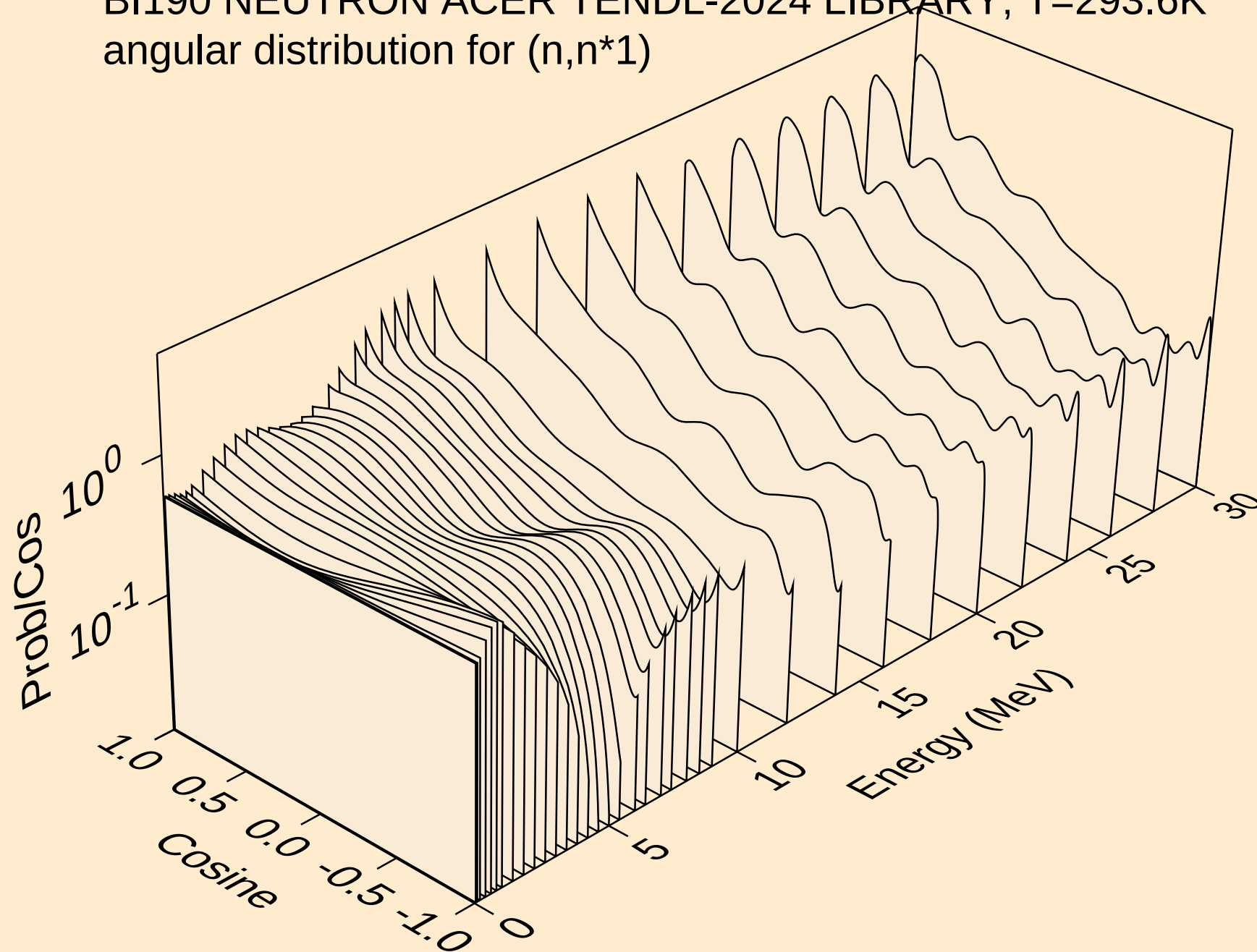
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angular distribution for elastic



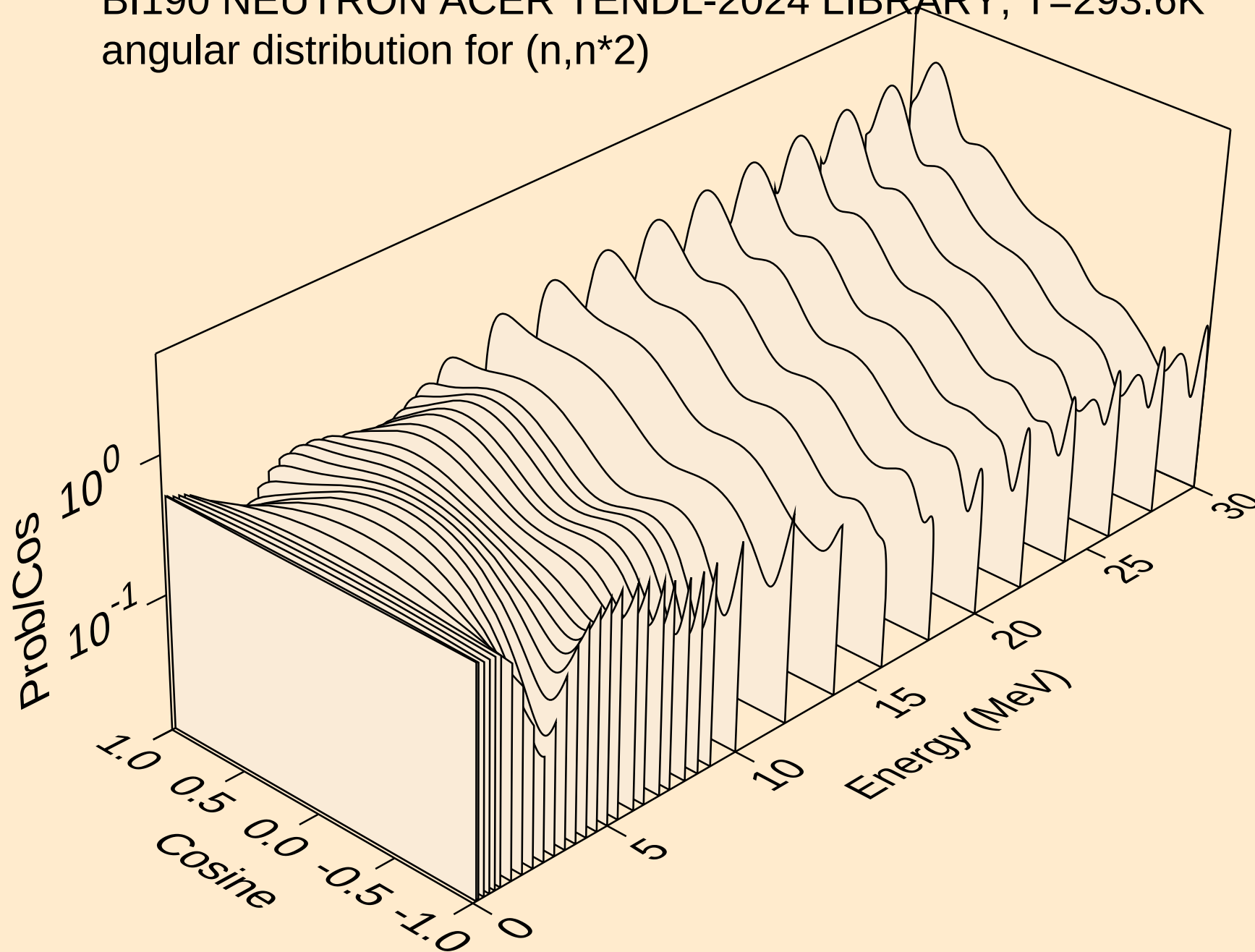
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angular distribution for elastic



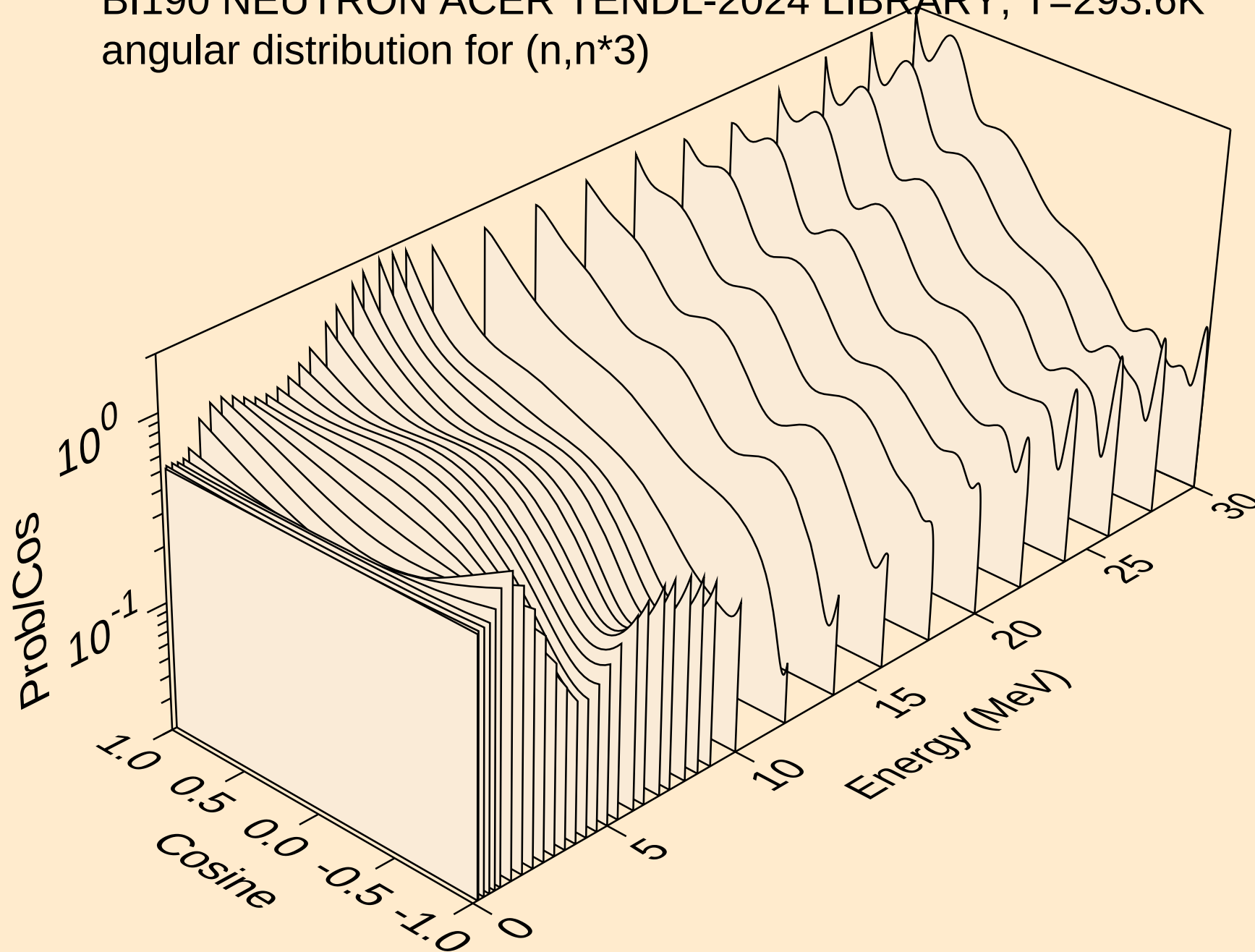
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)



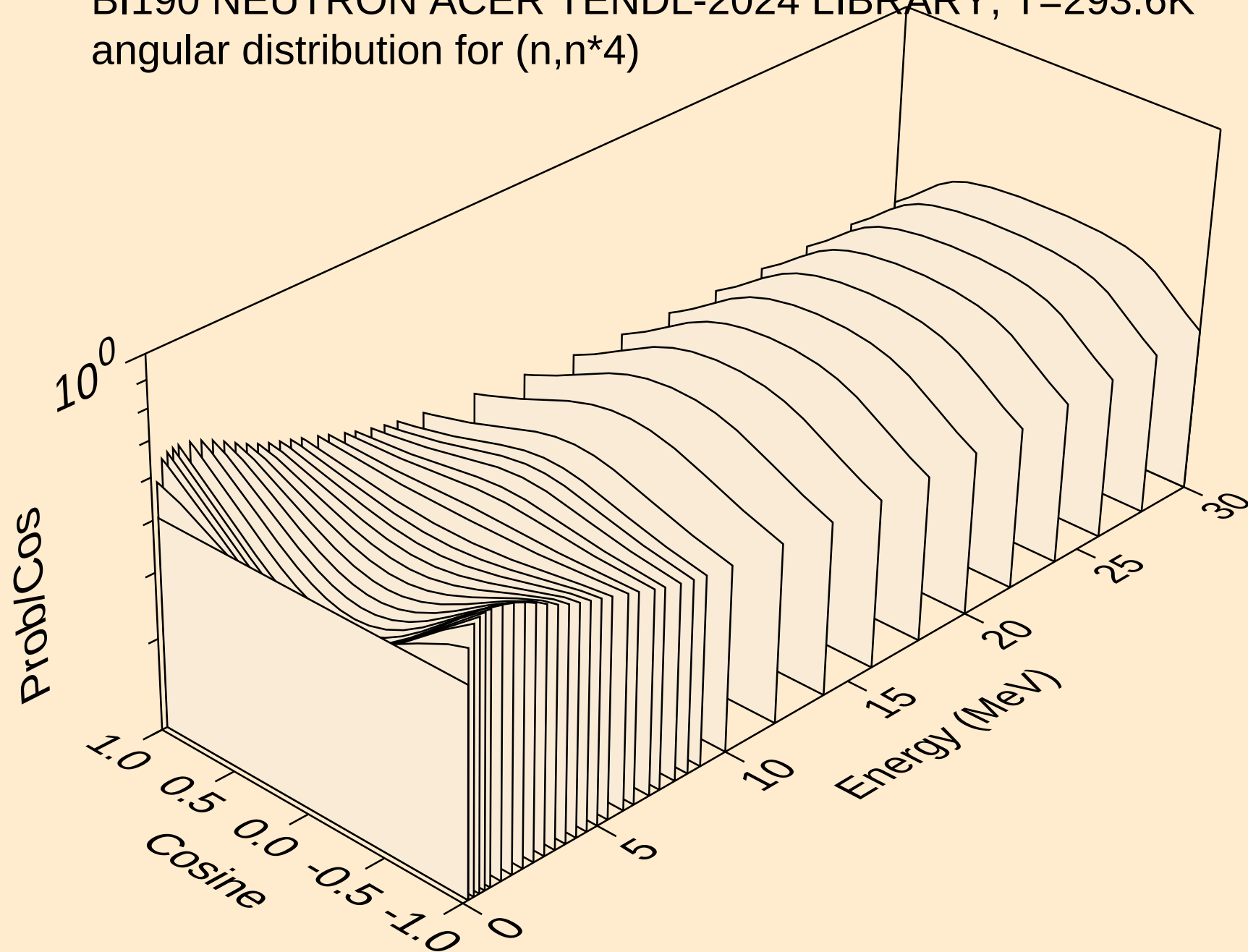
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*2)



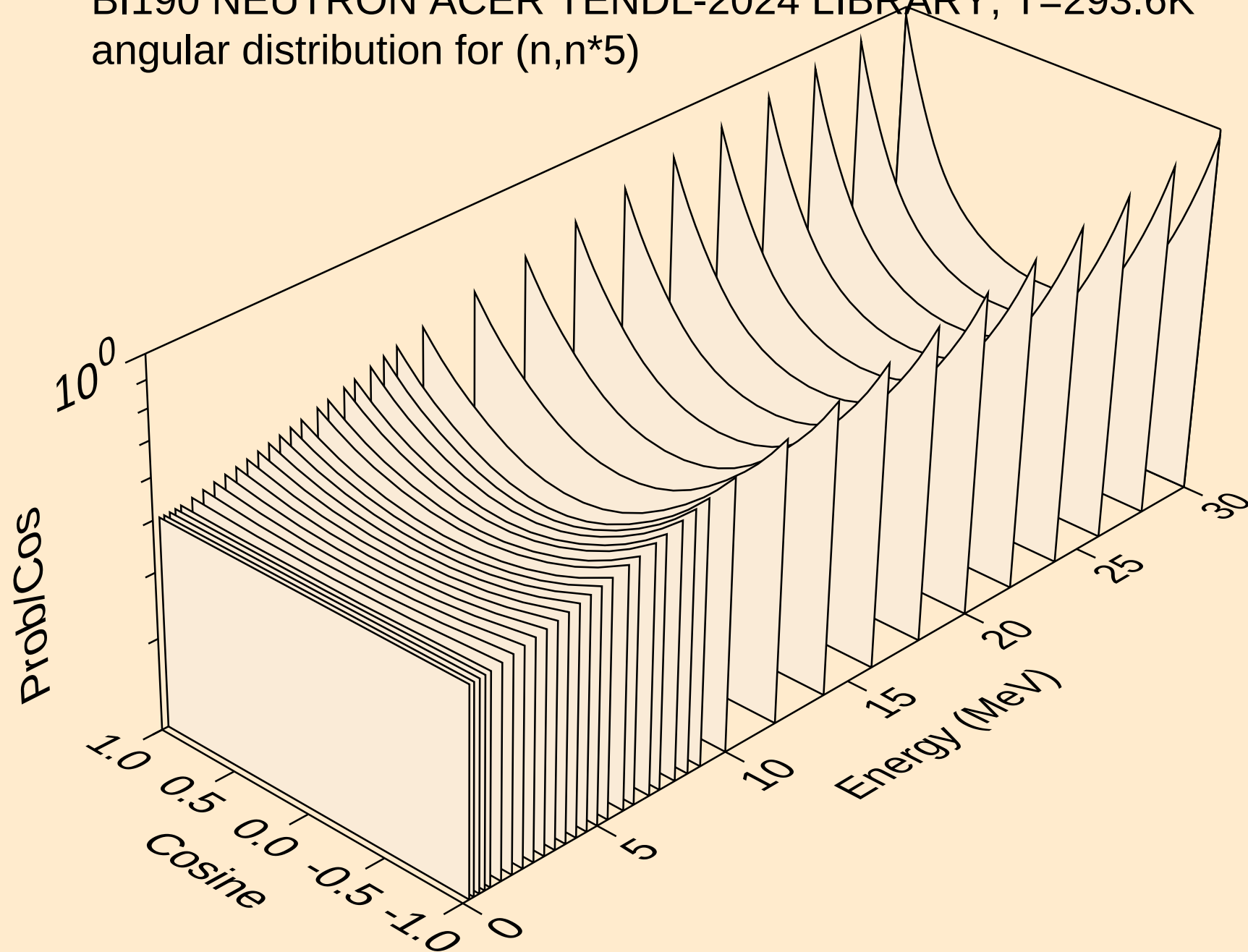
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*3)



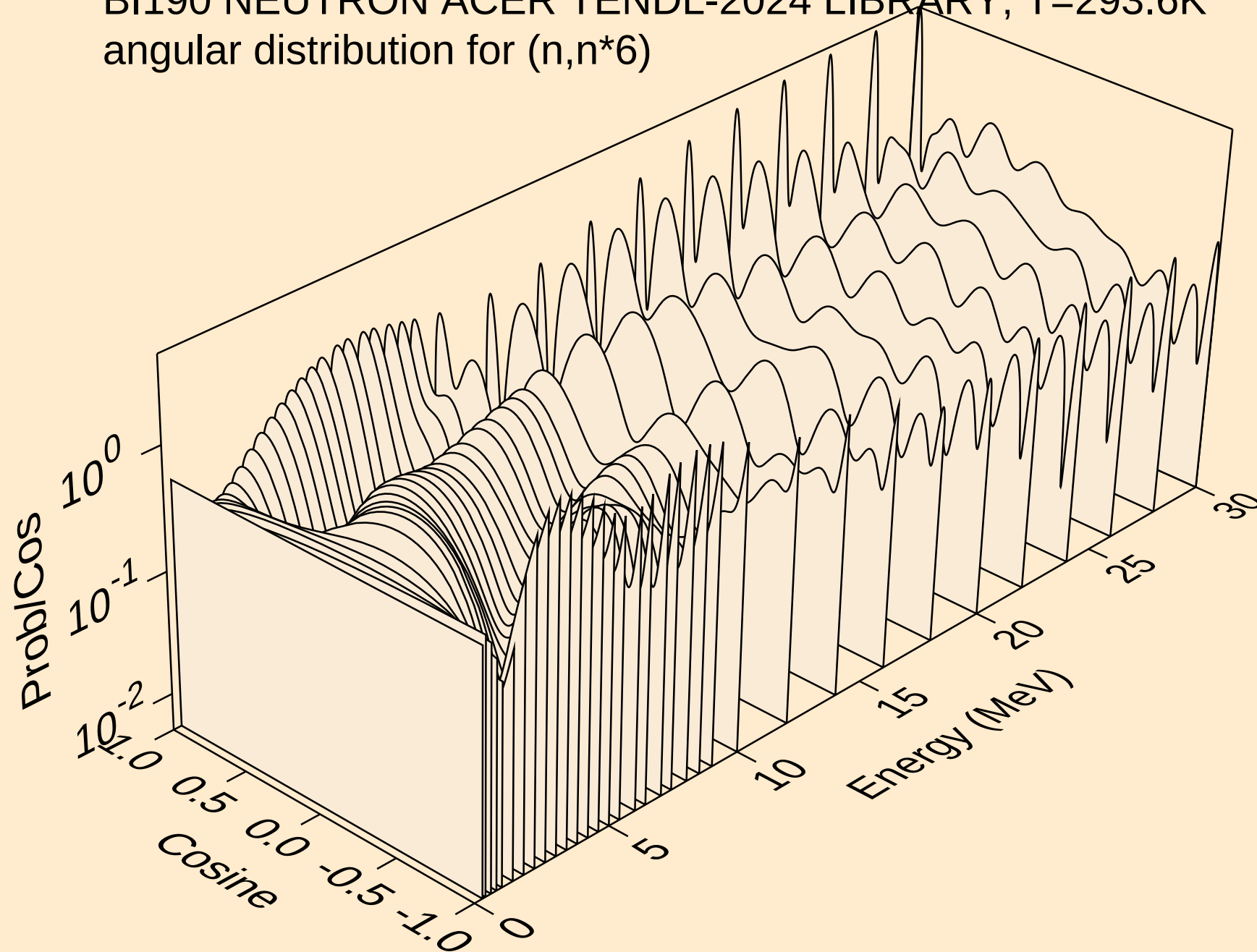
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angular distribution for (n,n*4)



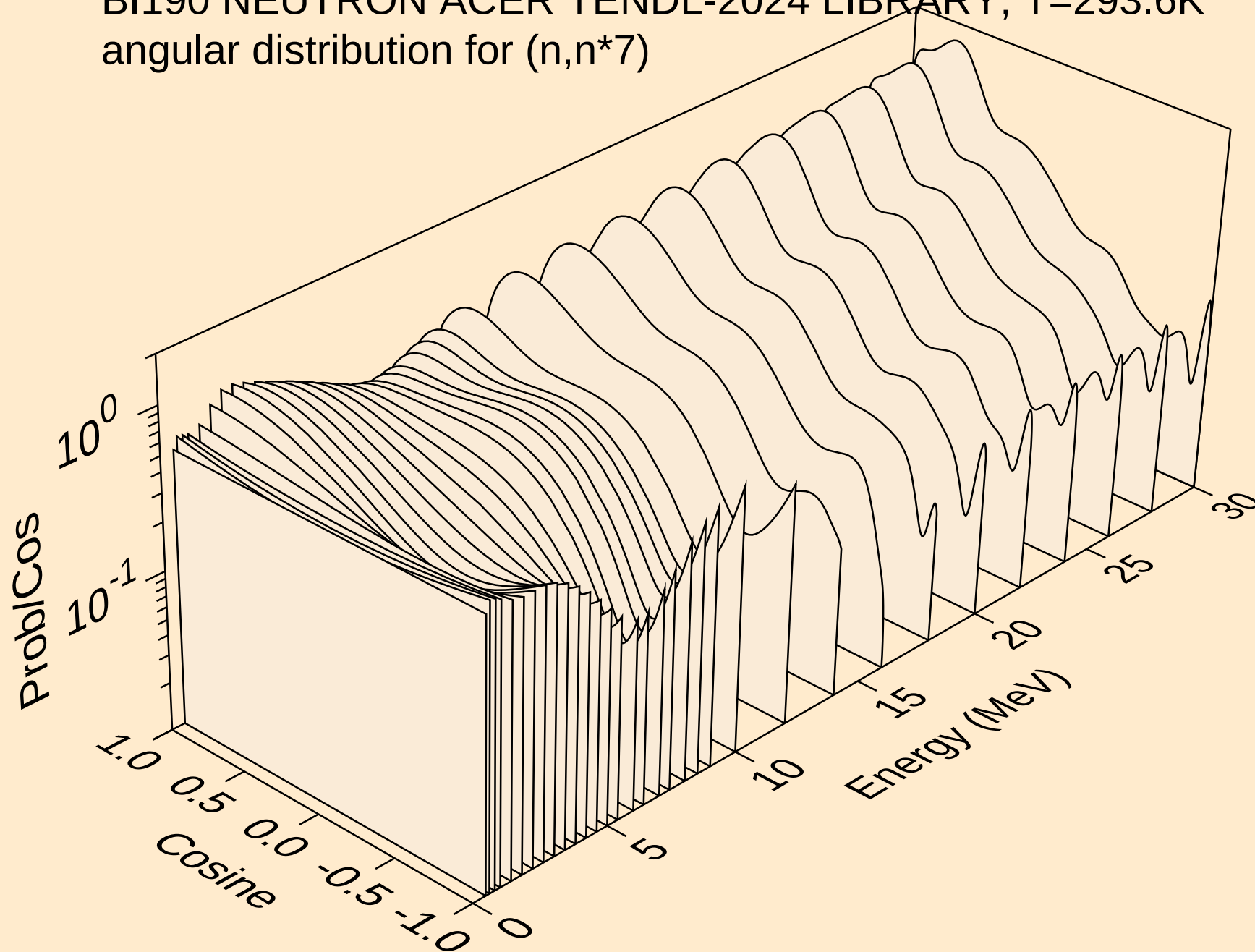
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*5)



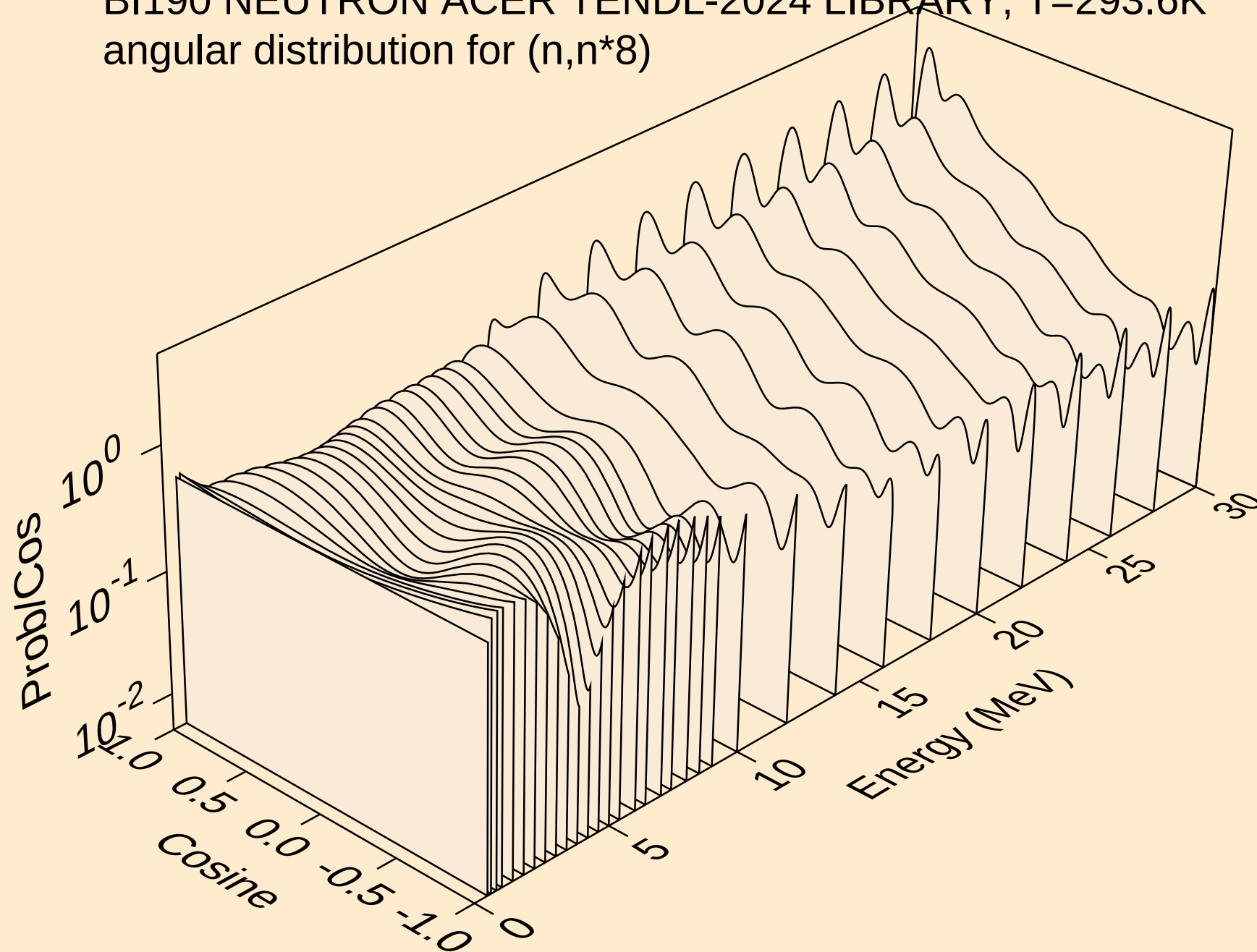
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angular distribution for (n,n*6)



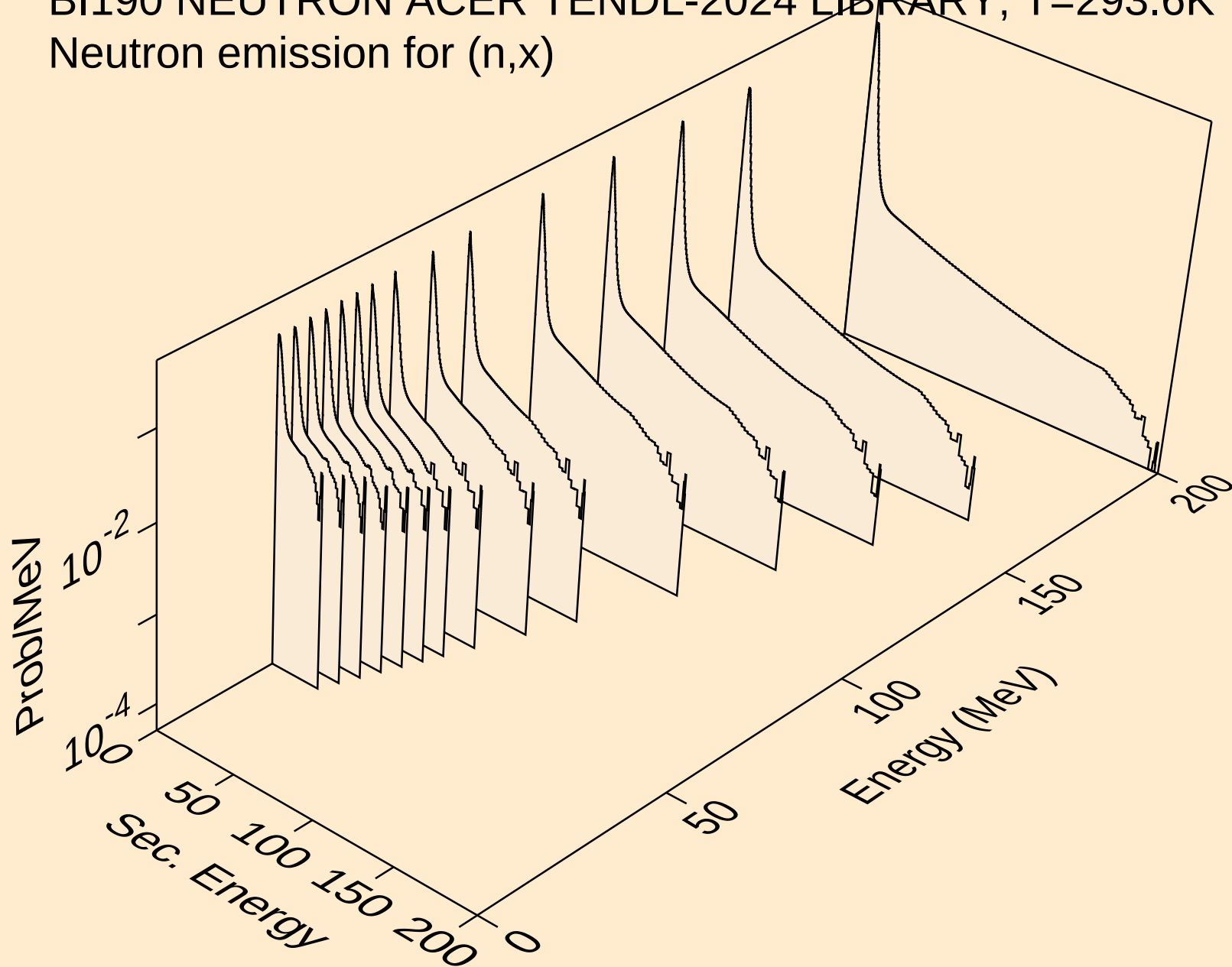
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angular distribution for (n,n*7)



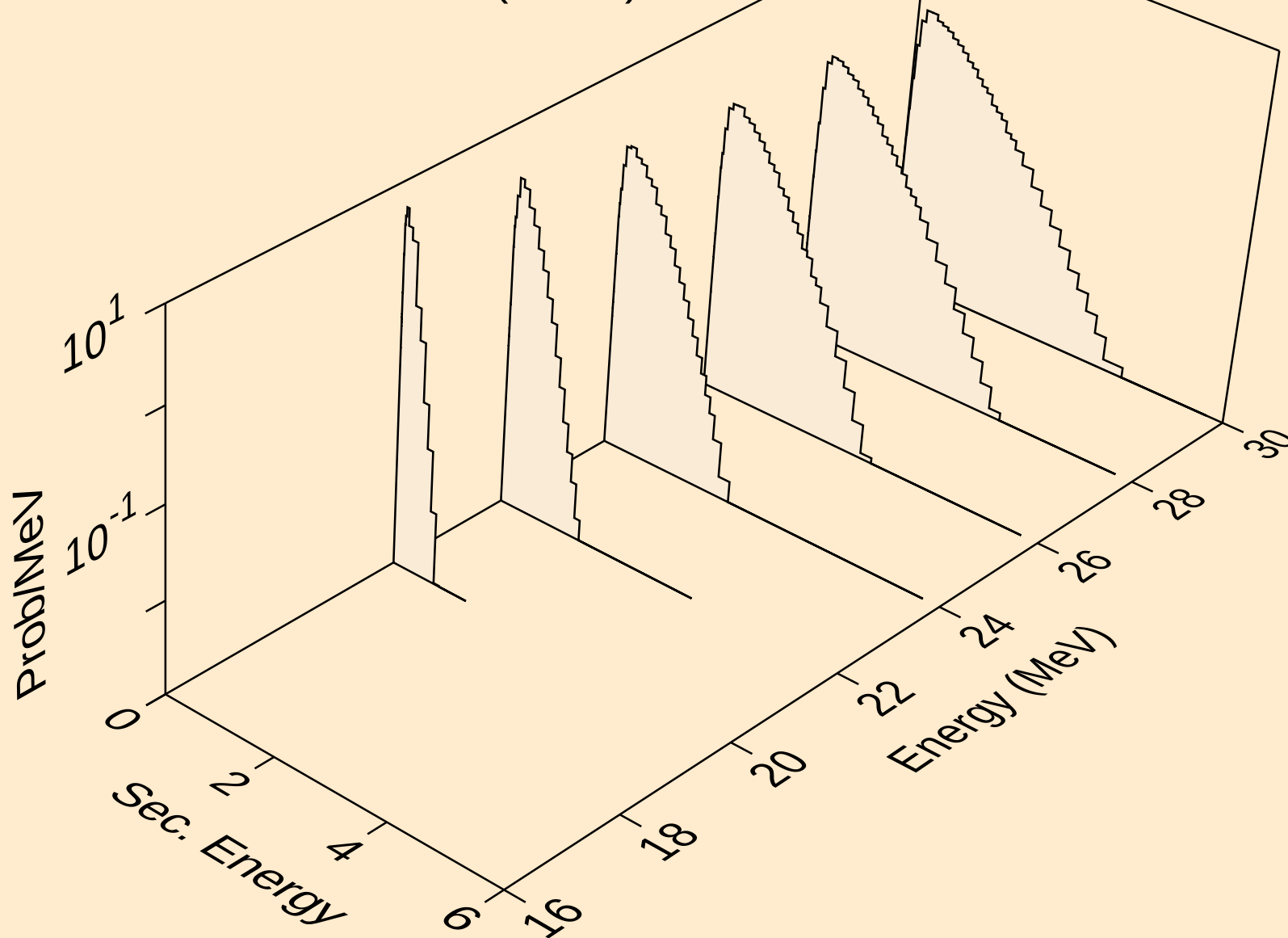
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*8)



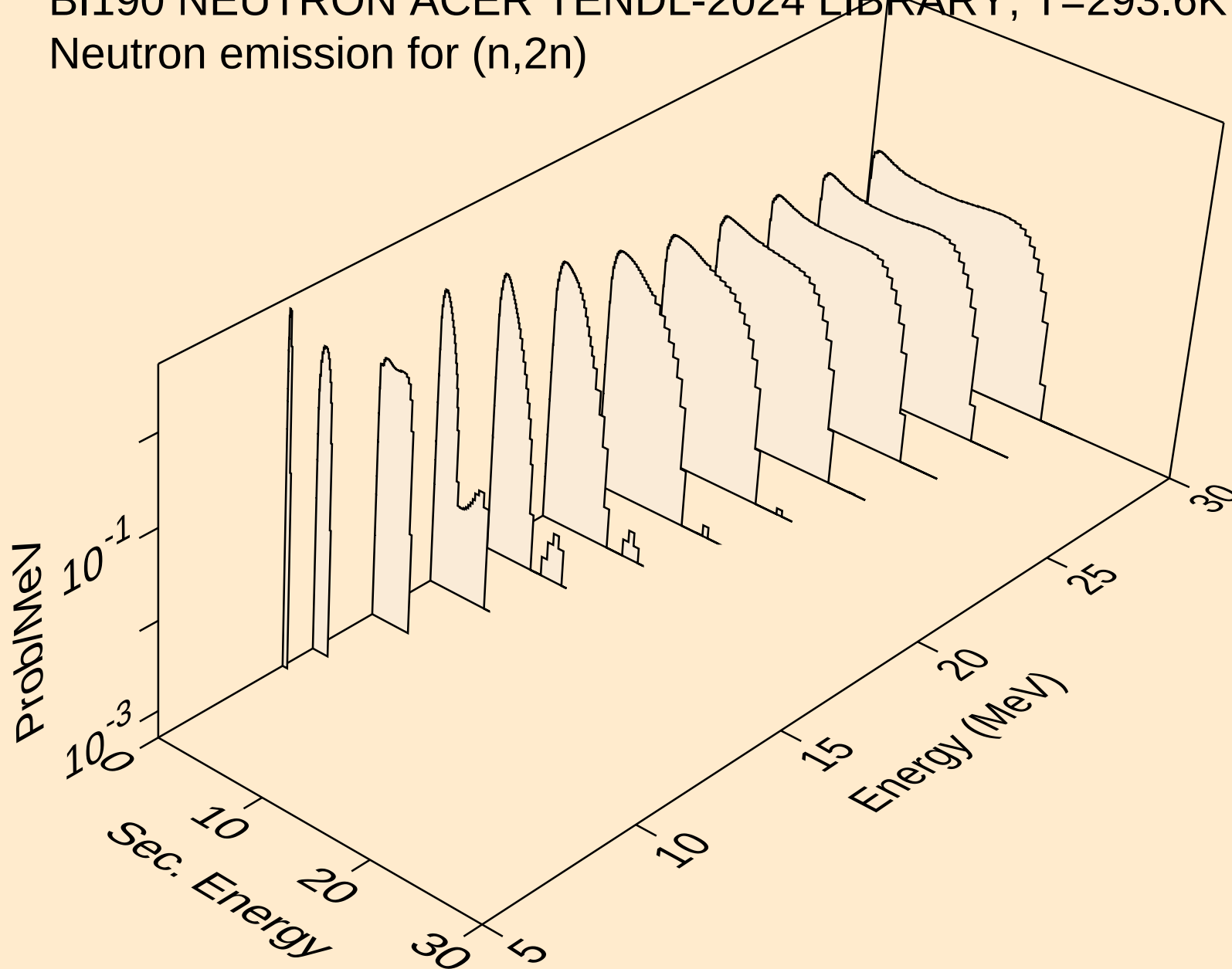
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)



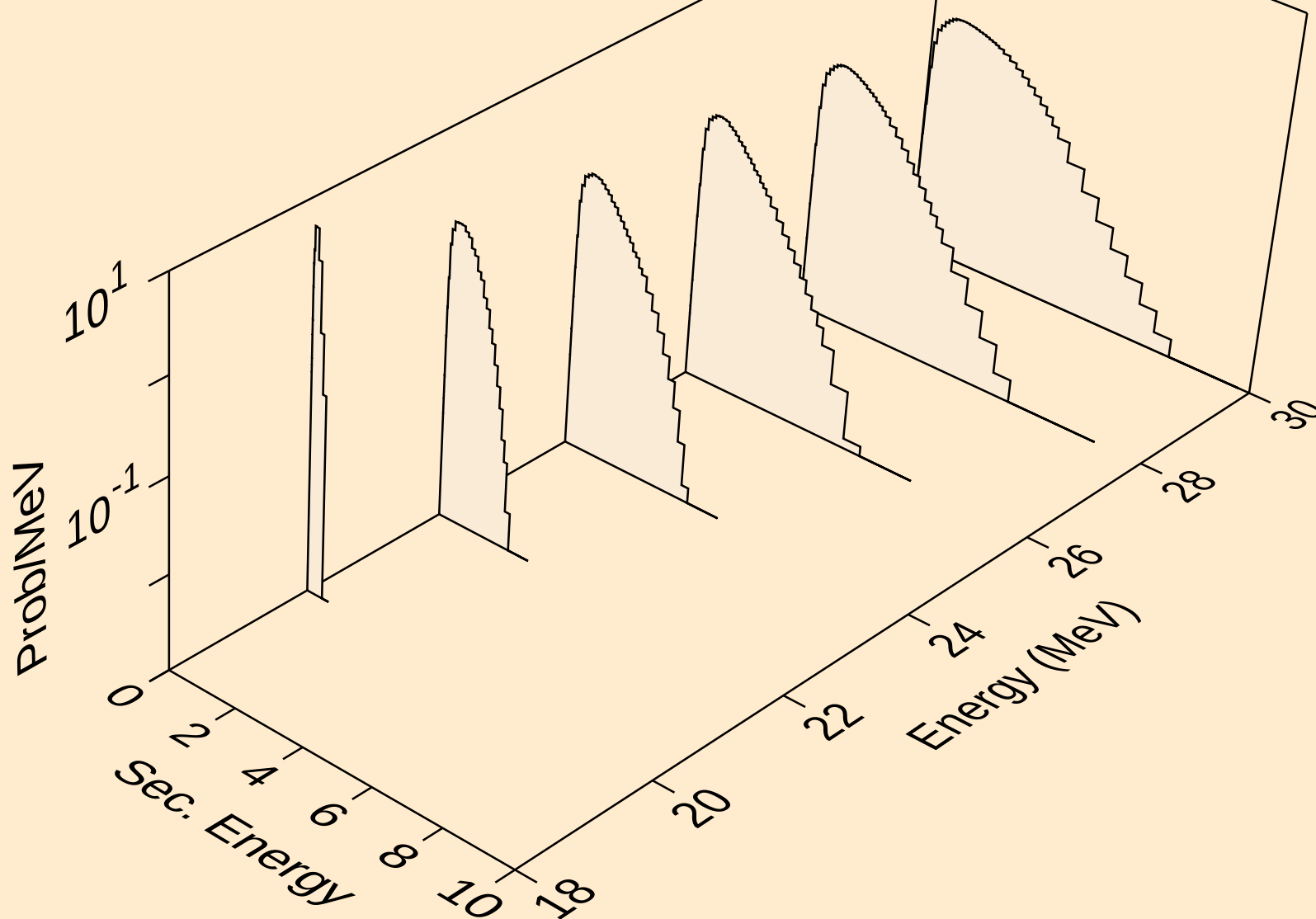
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Neutron emission for (n,2nd)



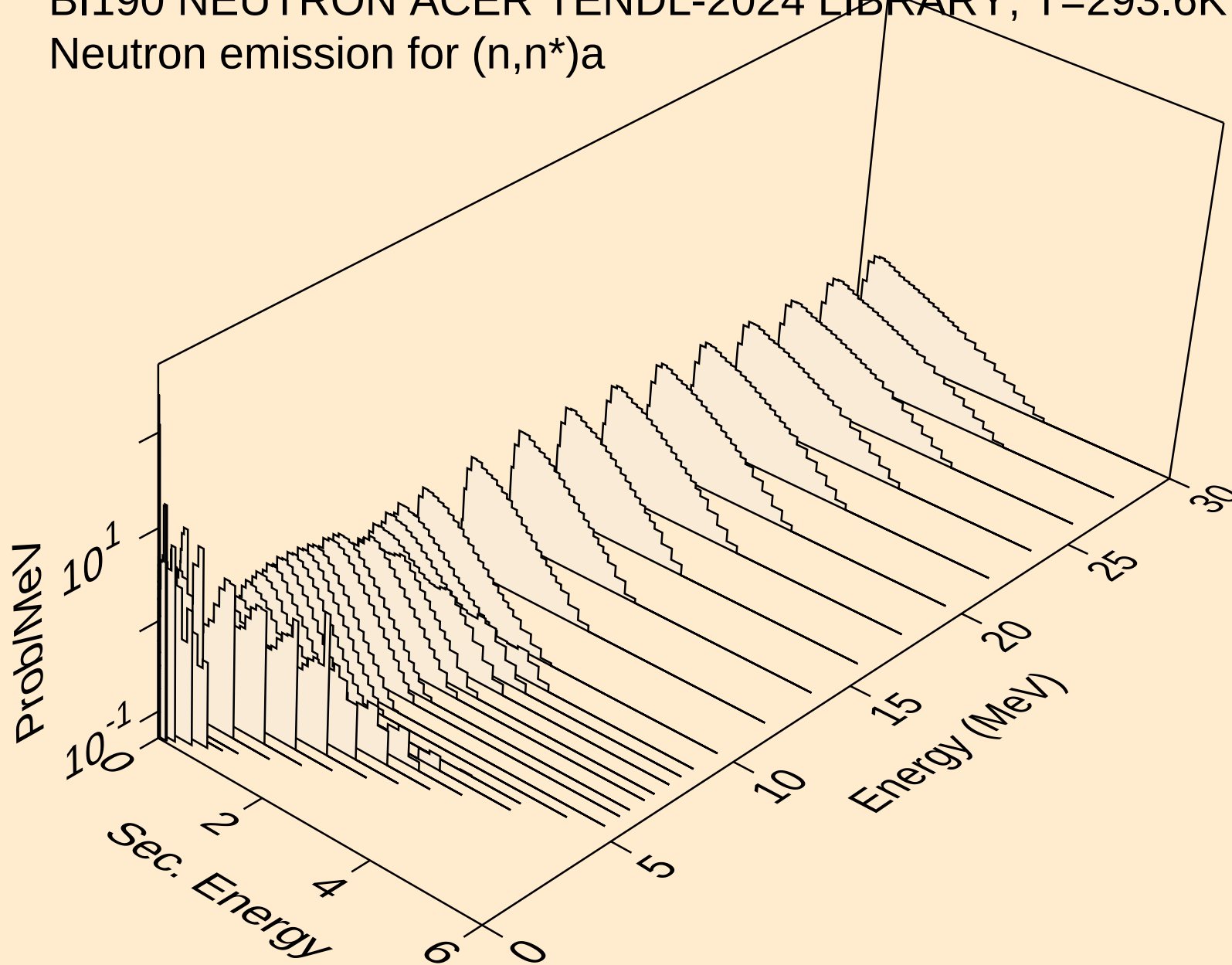
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)



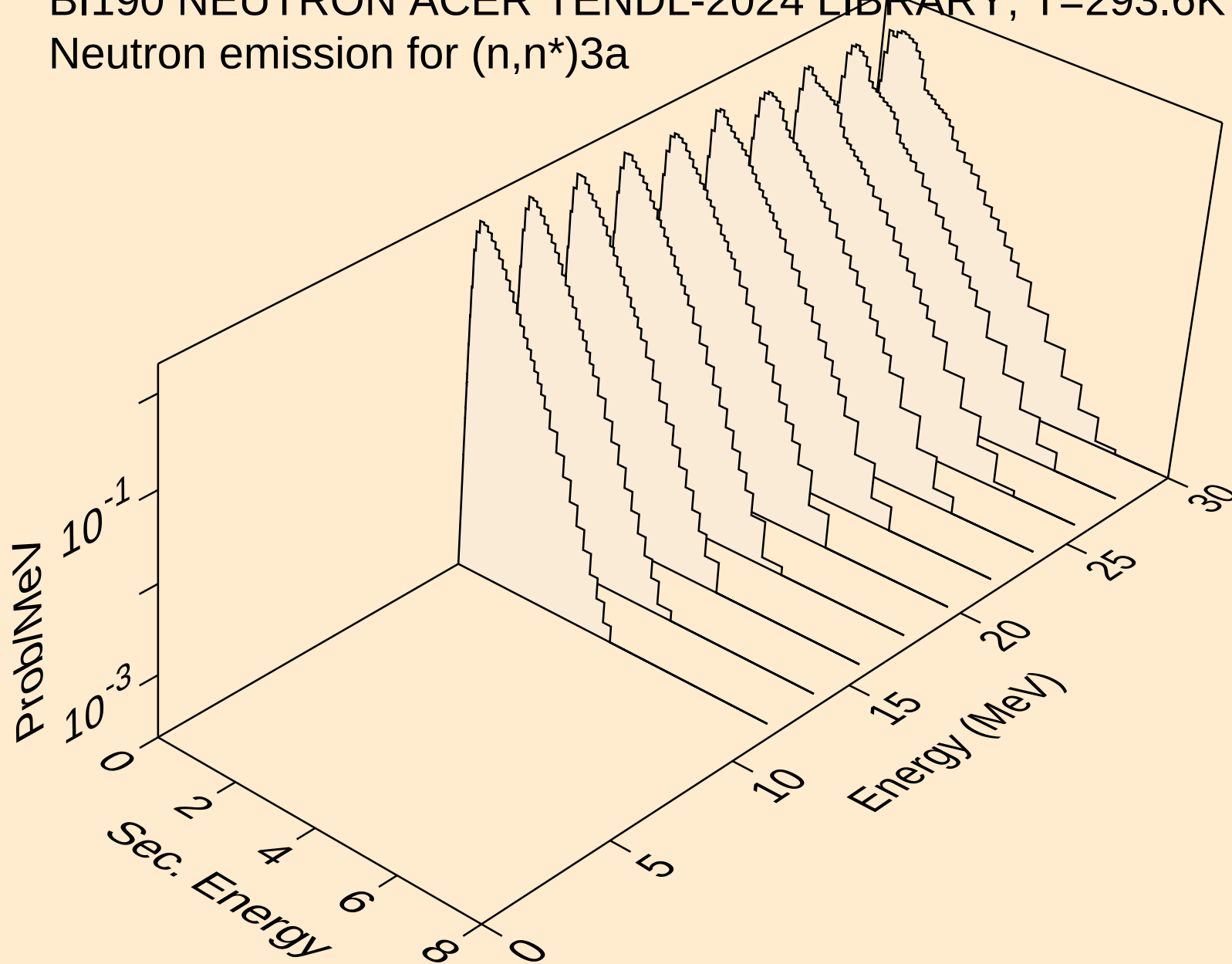
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)



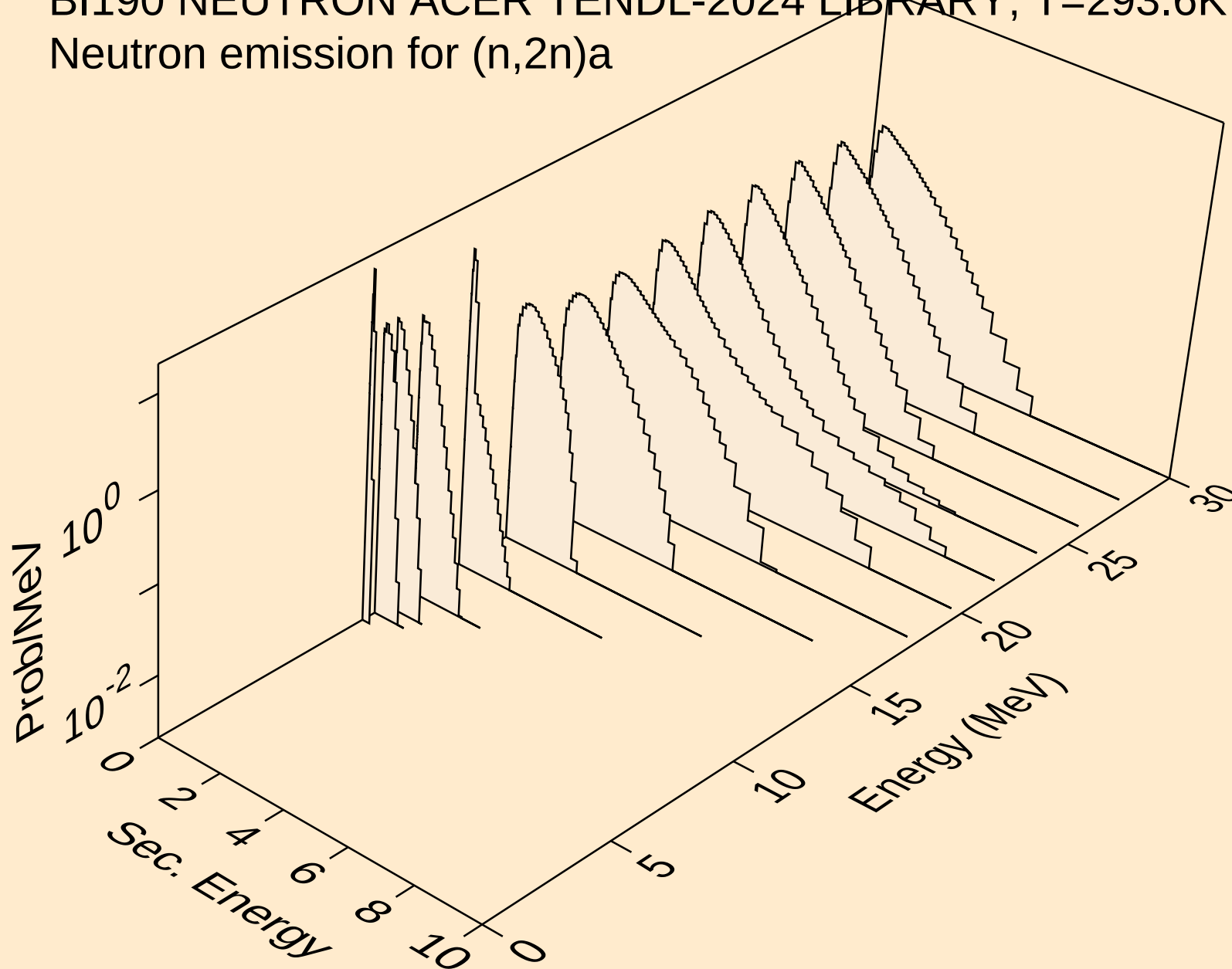
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Neutron emission for (n,n*)a



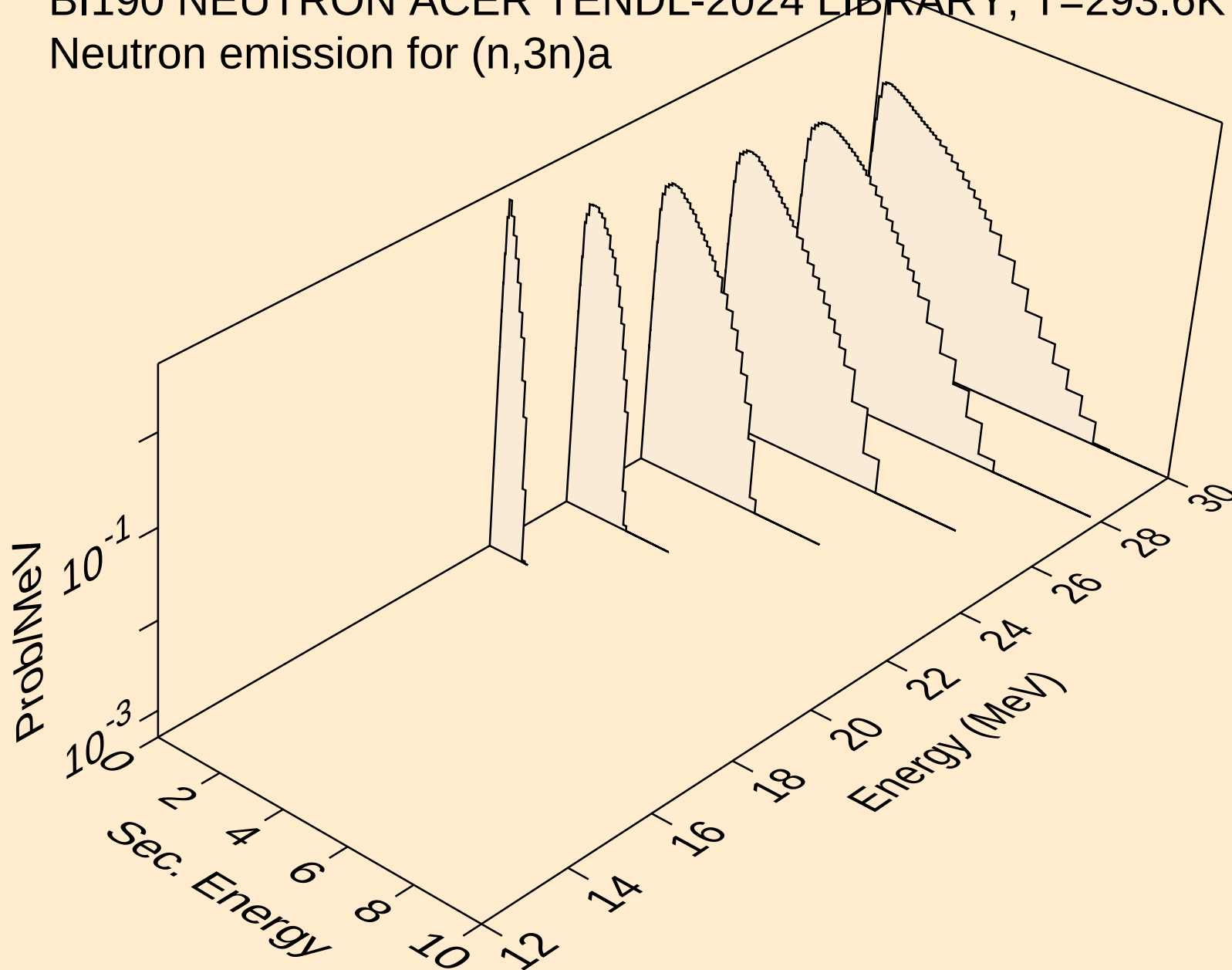
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)³a



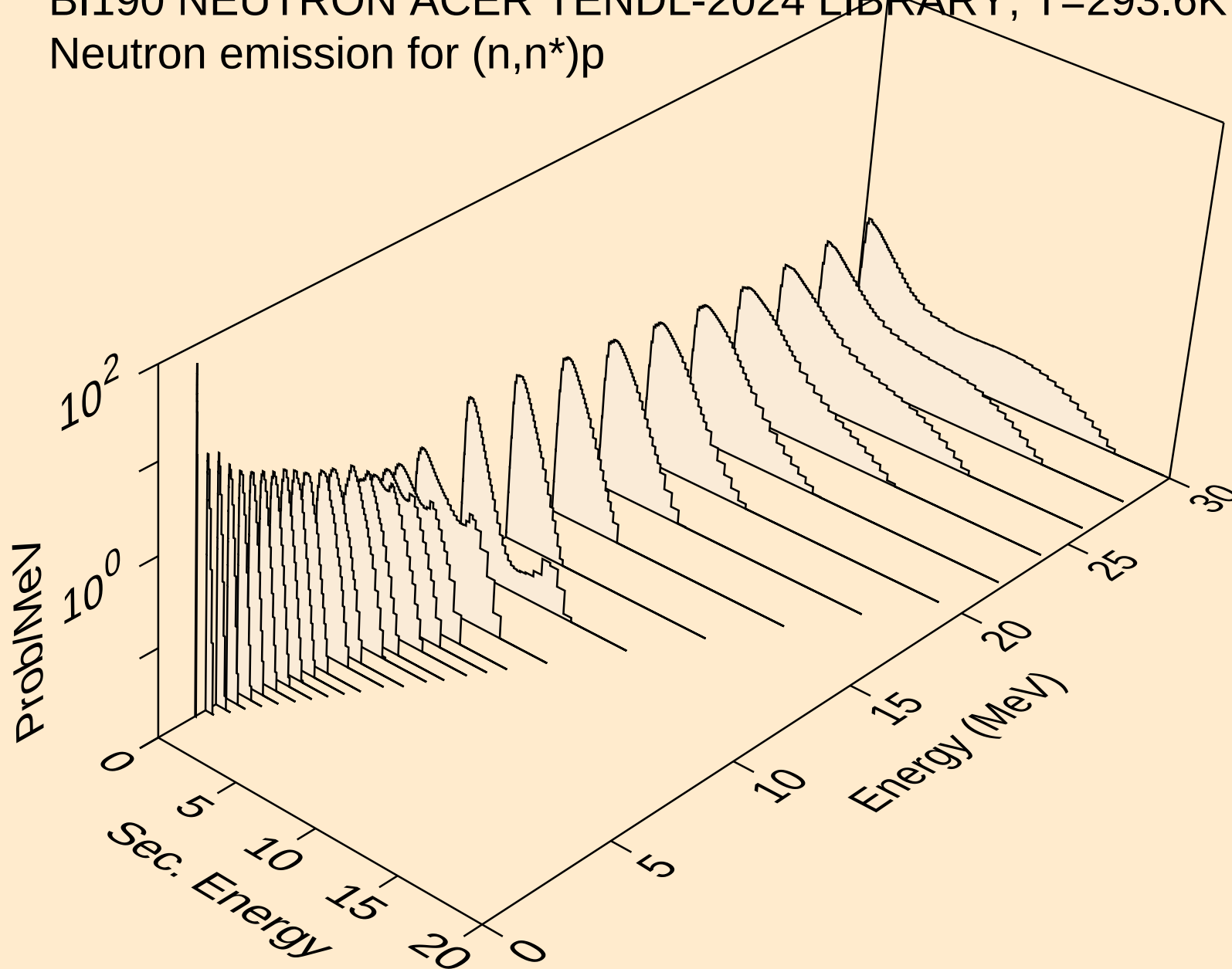
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2n)_a



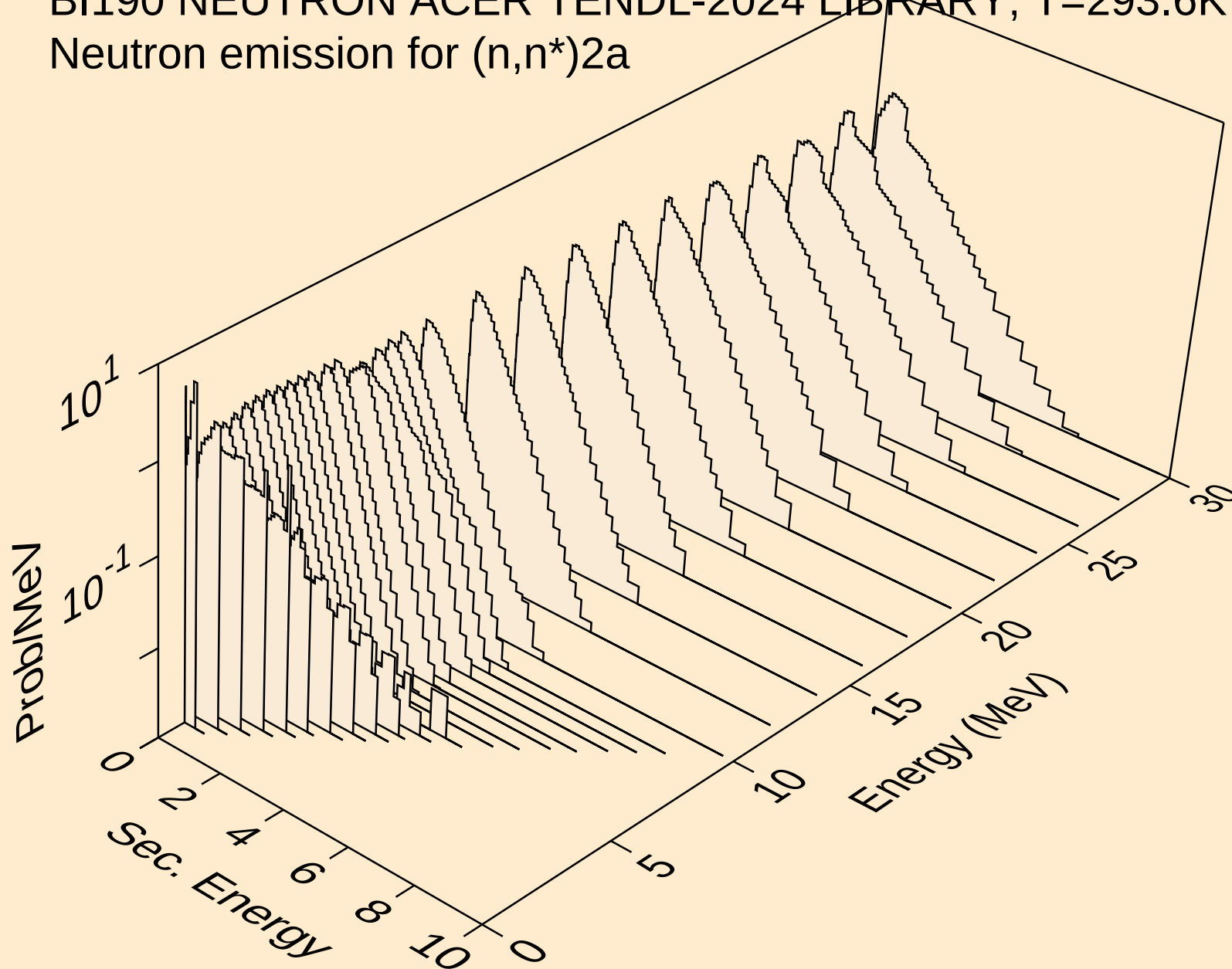
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,3n)a



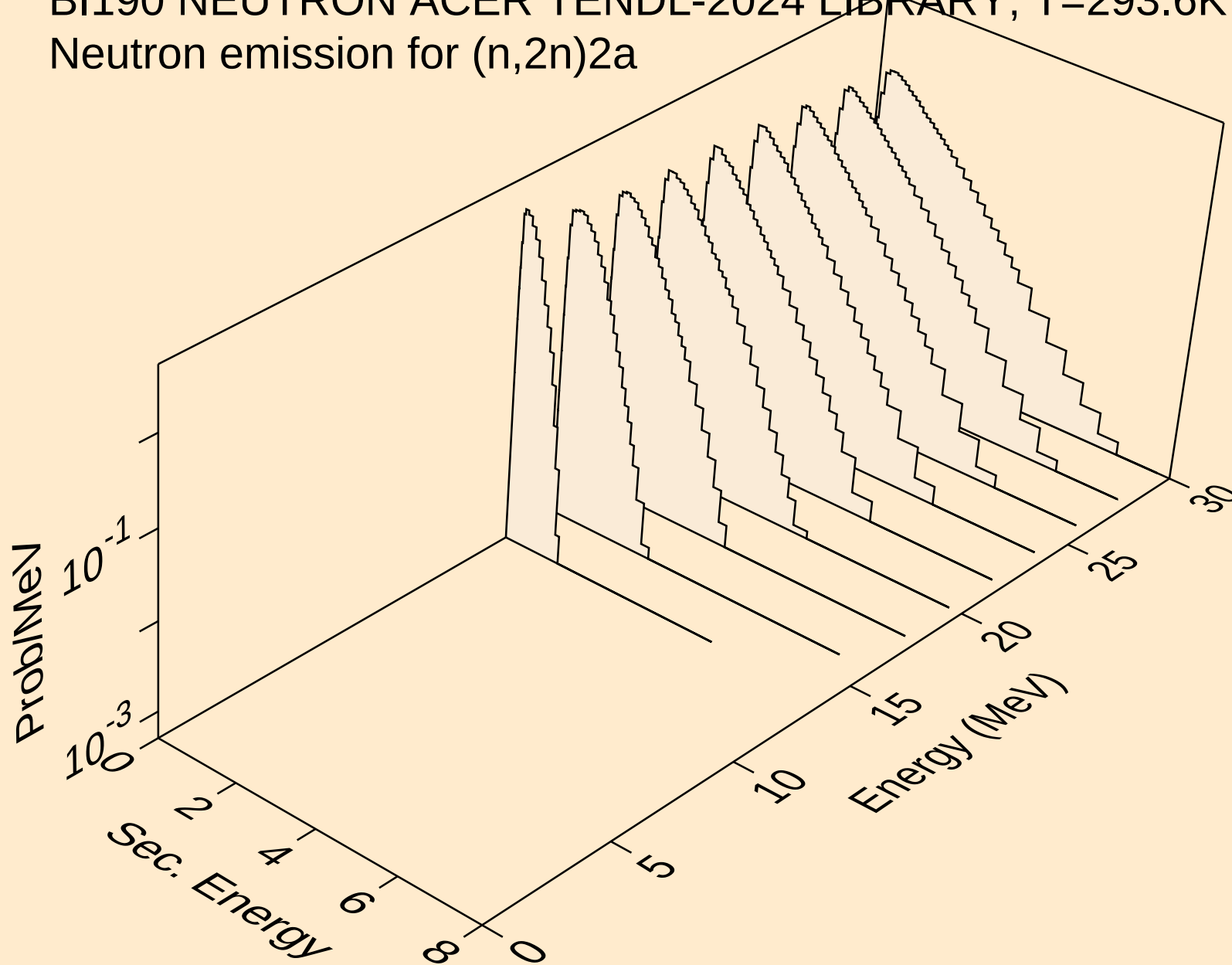
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



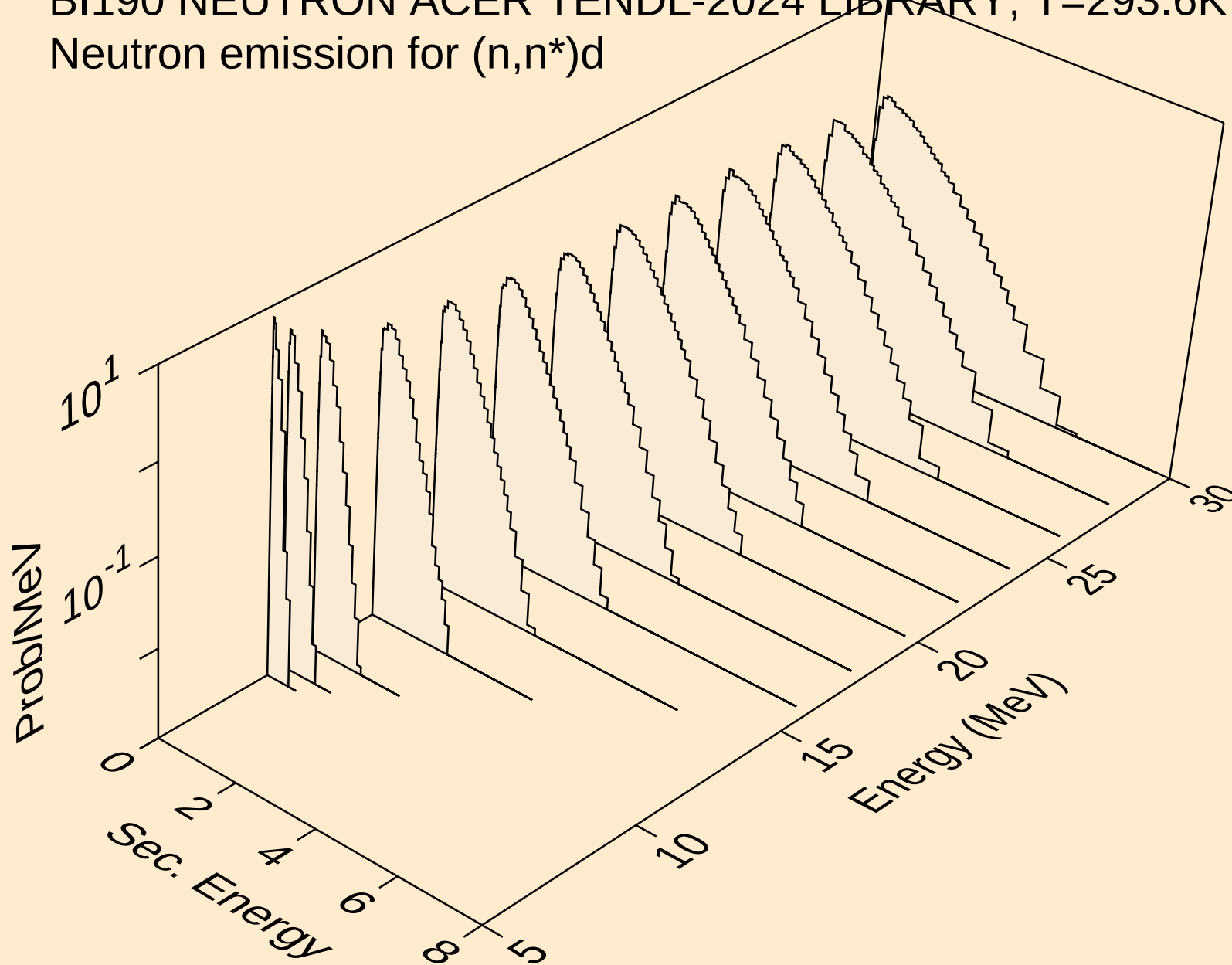
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Neutron emission for (n,n*)2a



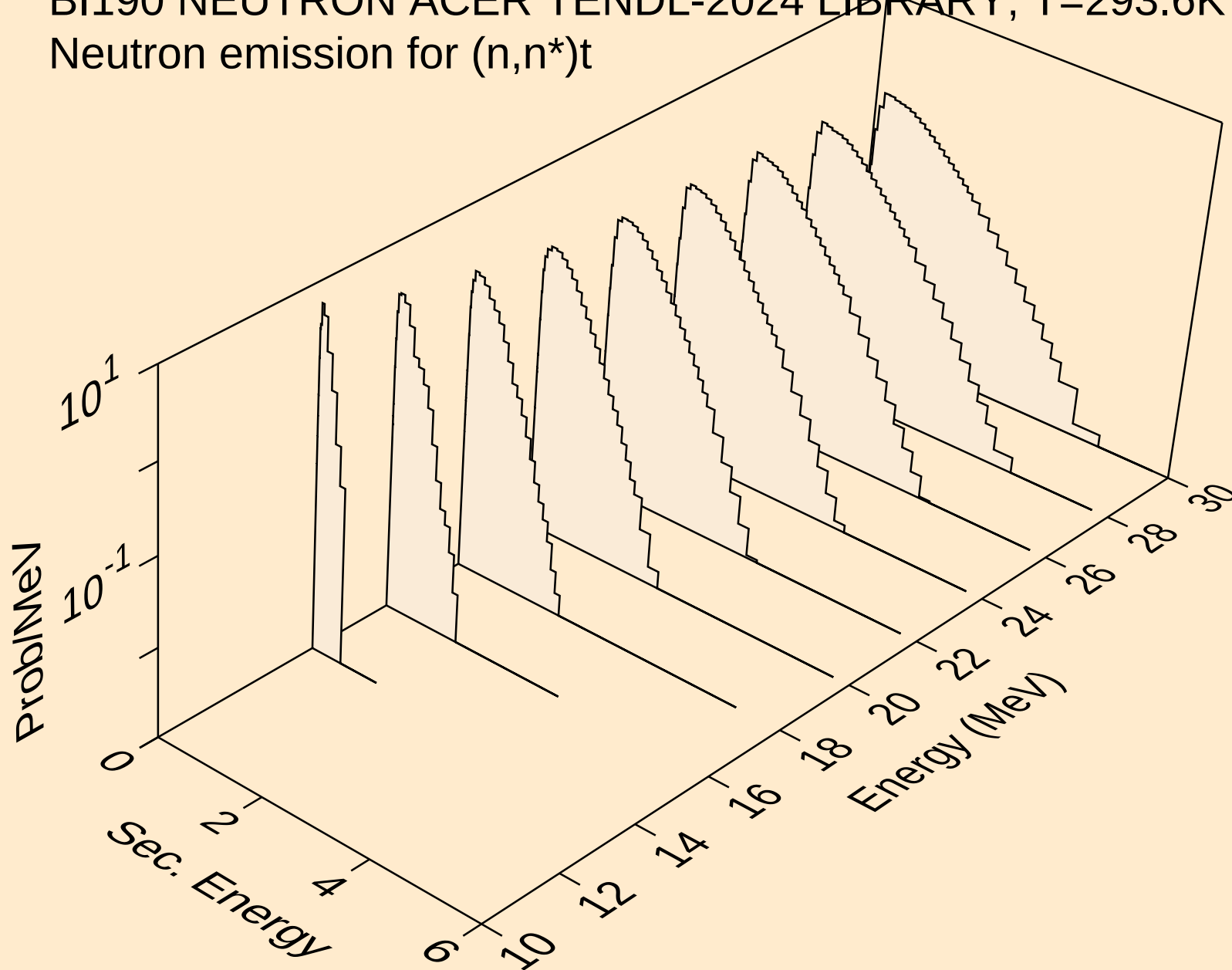
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Neutron emission for (n,2n)2a



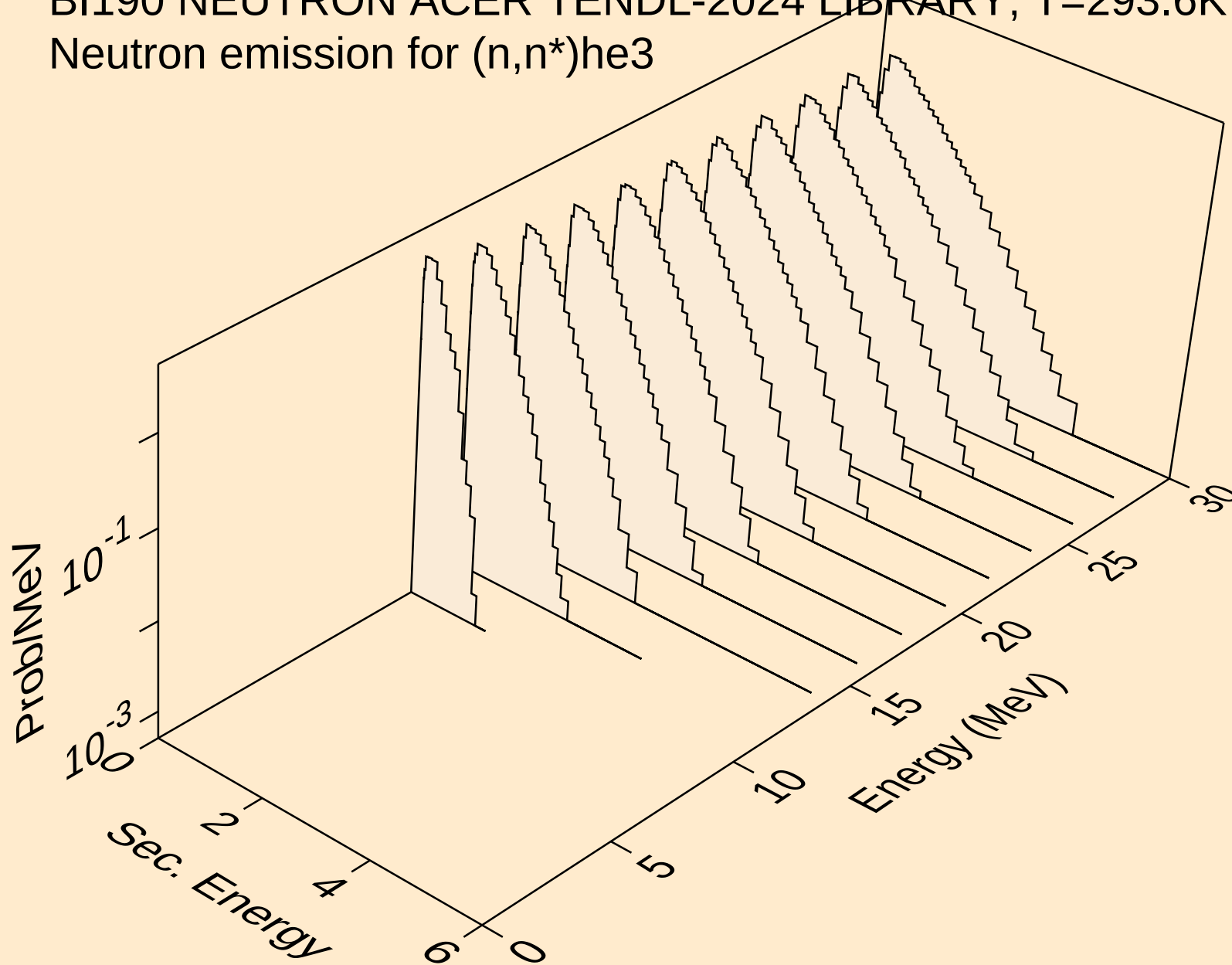
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)d



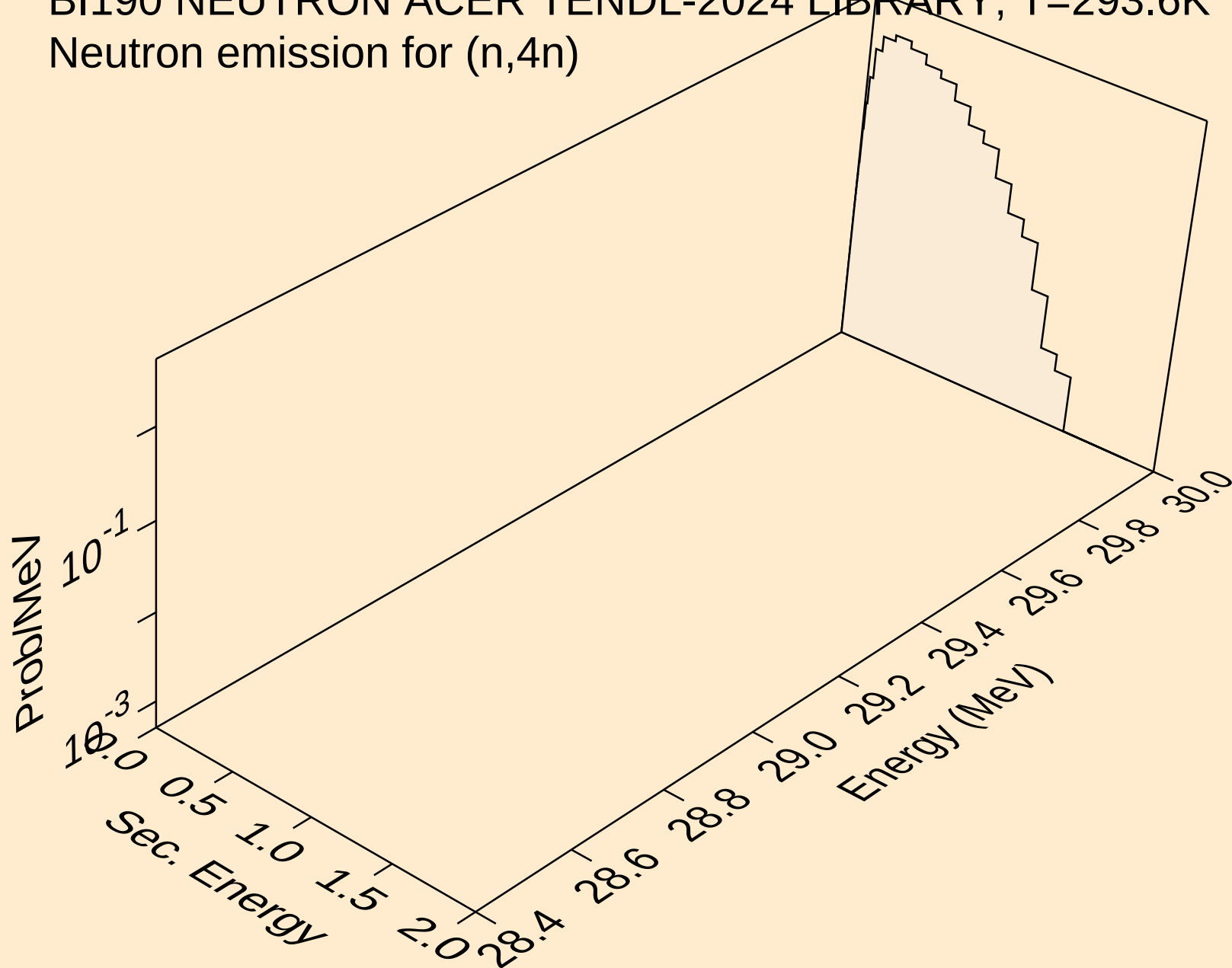
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)t



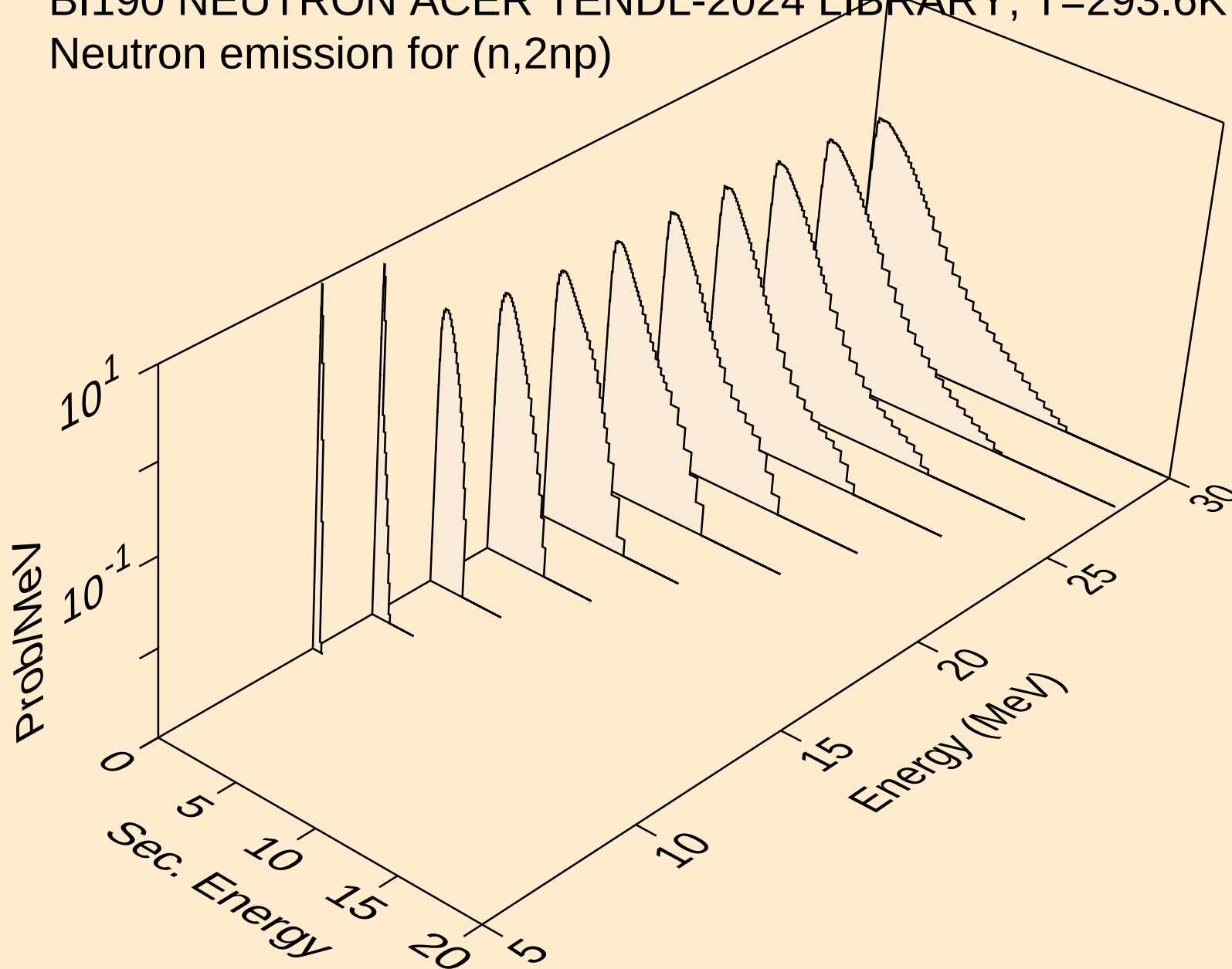
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



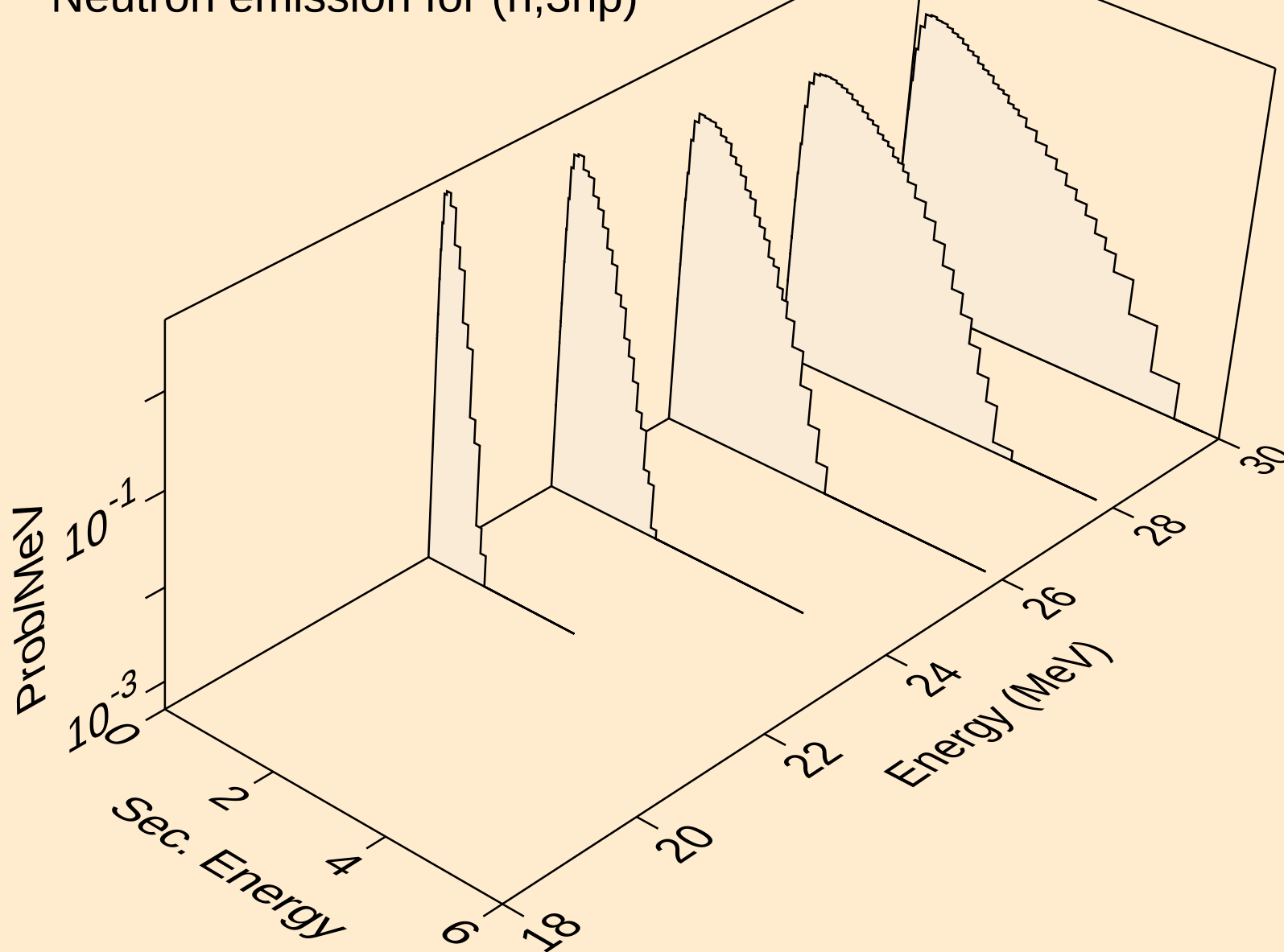
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,4n)



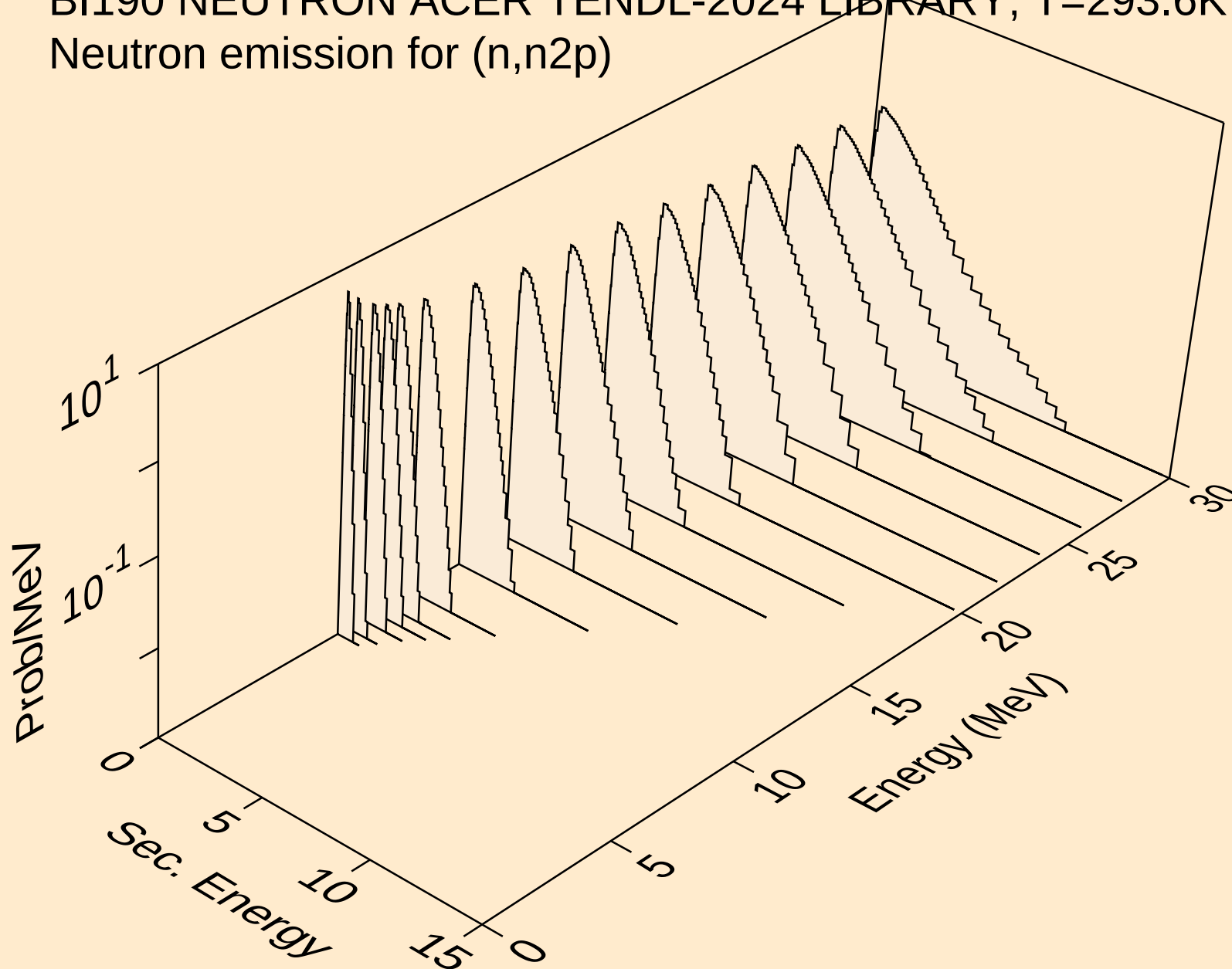
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,2np)



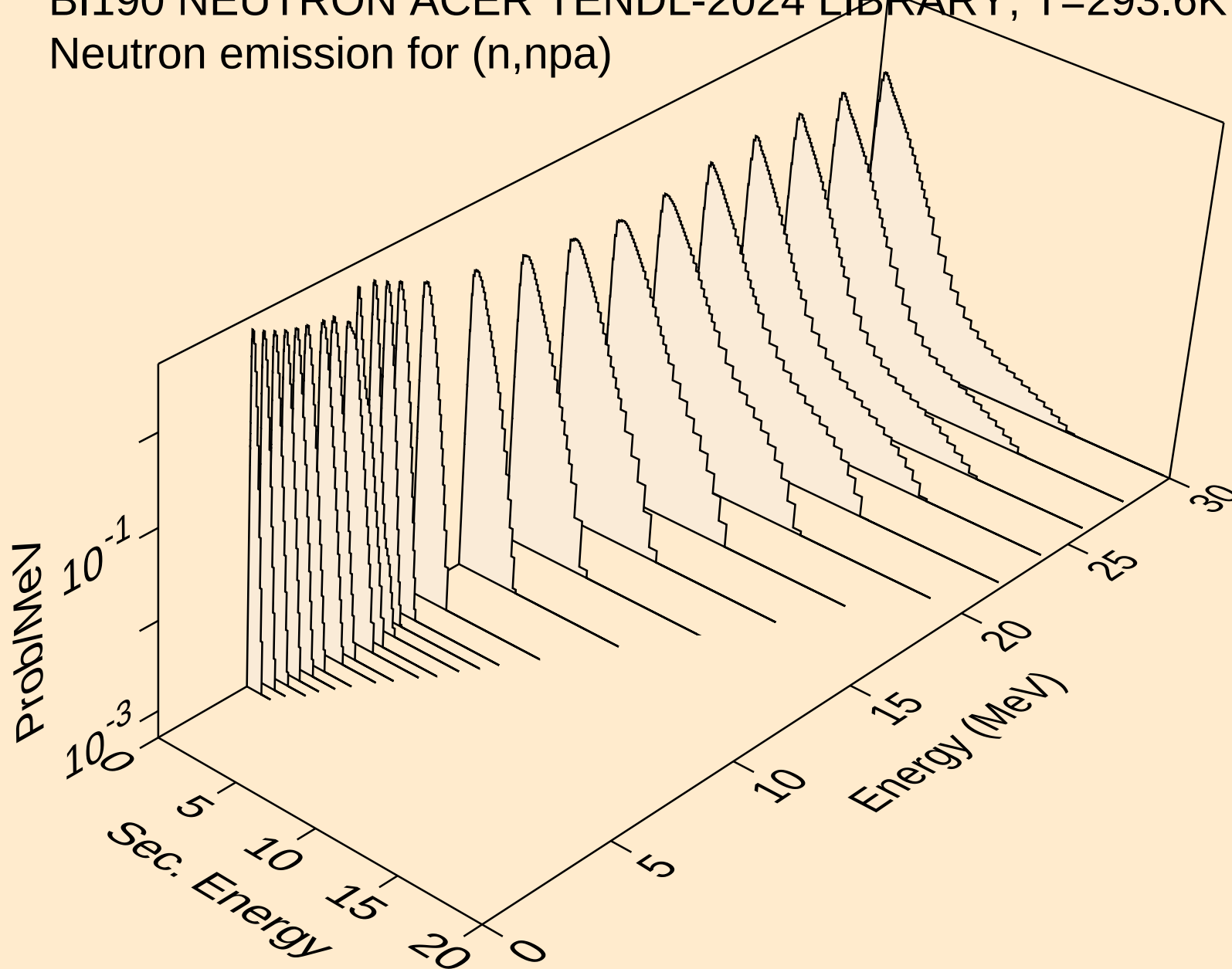
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Neutron emission for (n,3np)



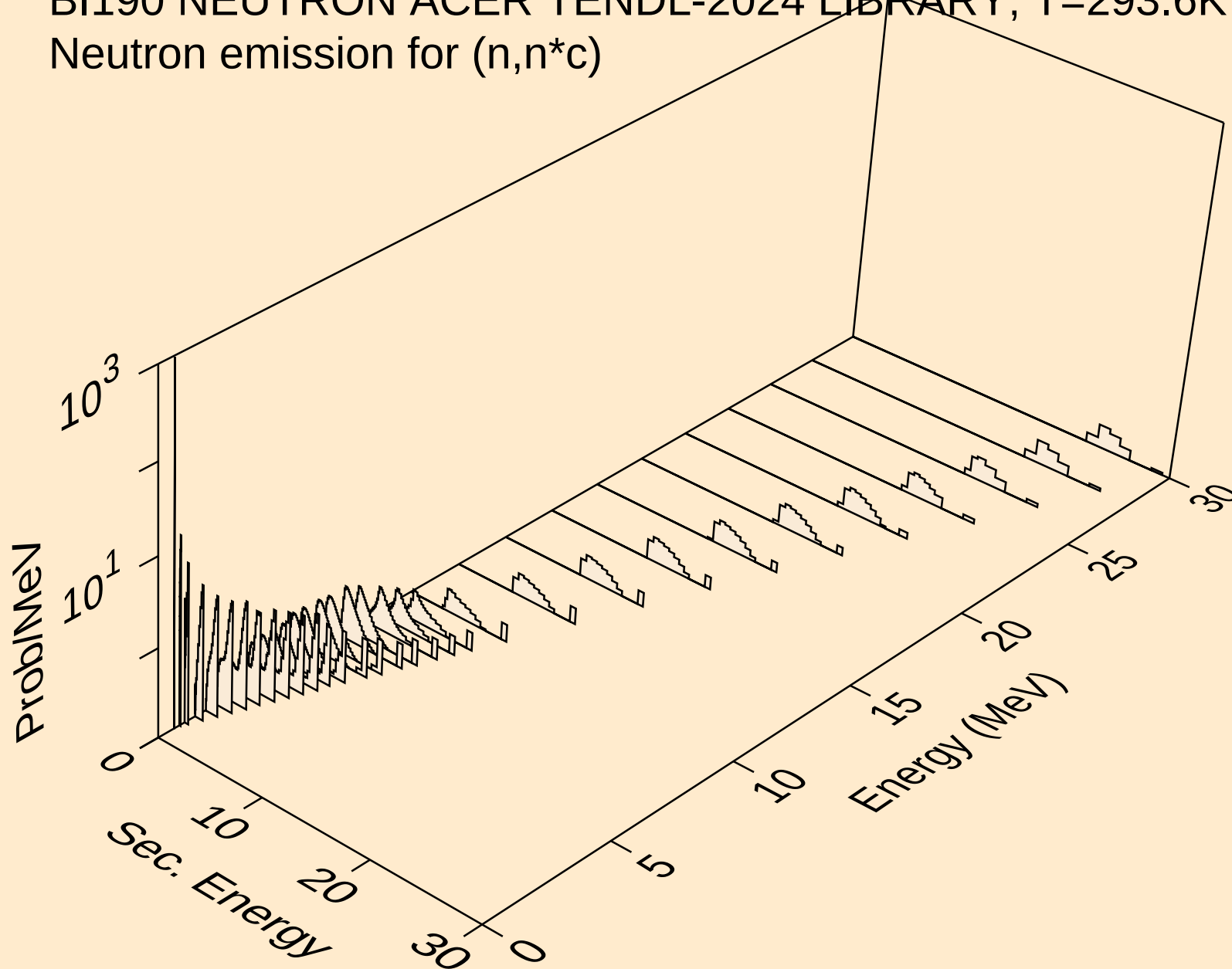
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Neutron emission for (n,n2p)



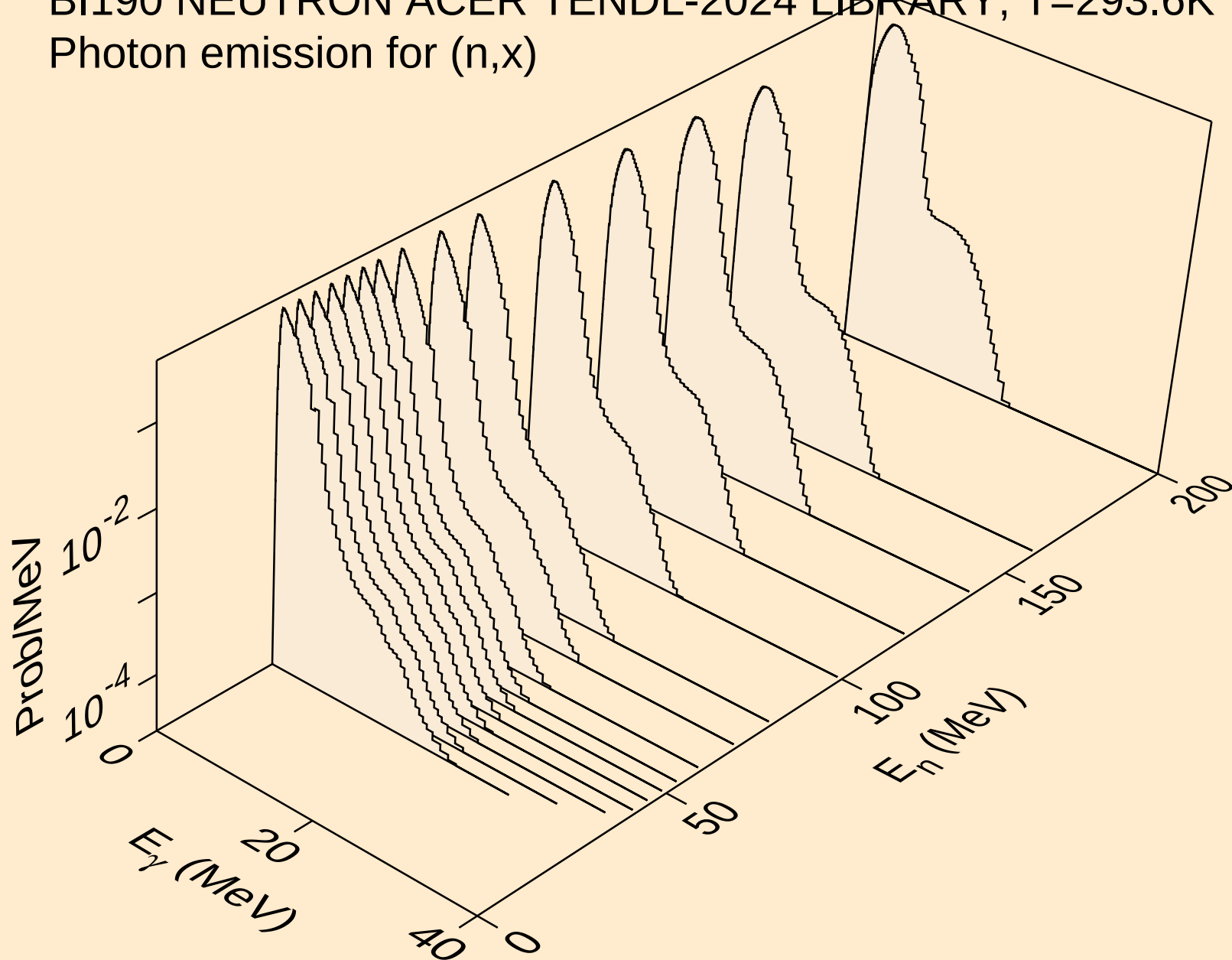
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Neutron emission for (n,npa)



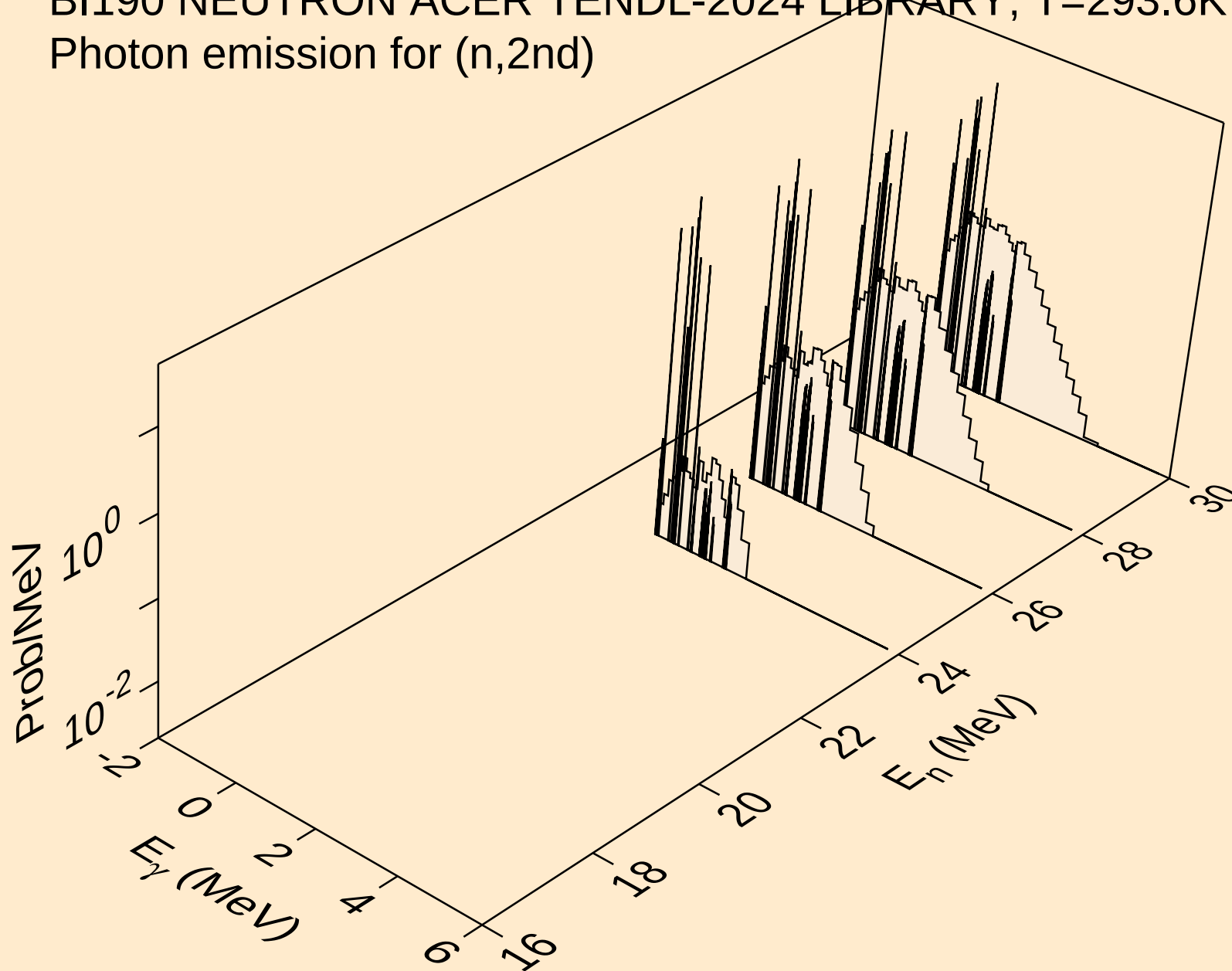
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



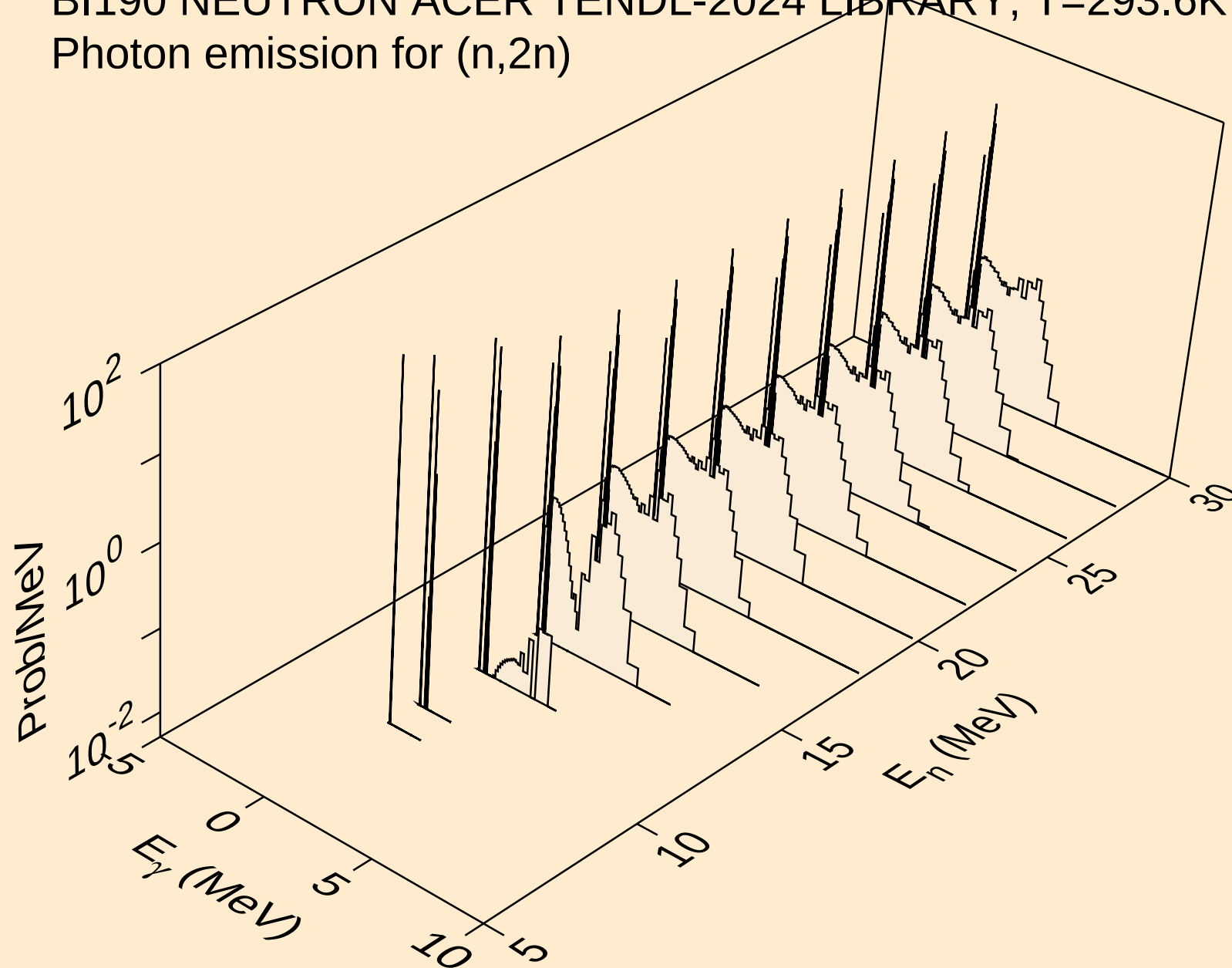
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)



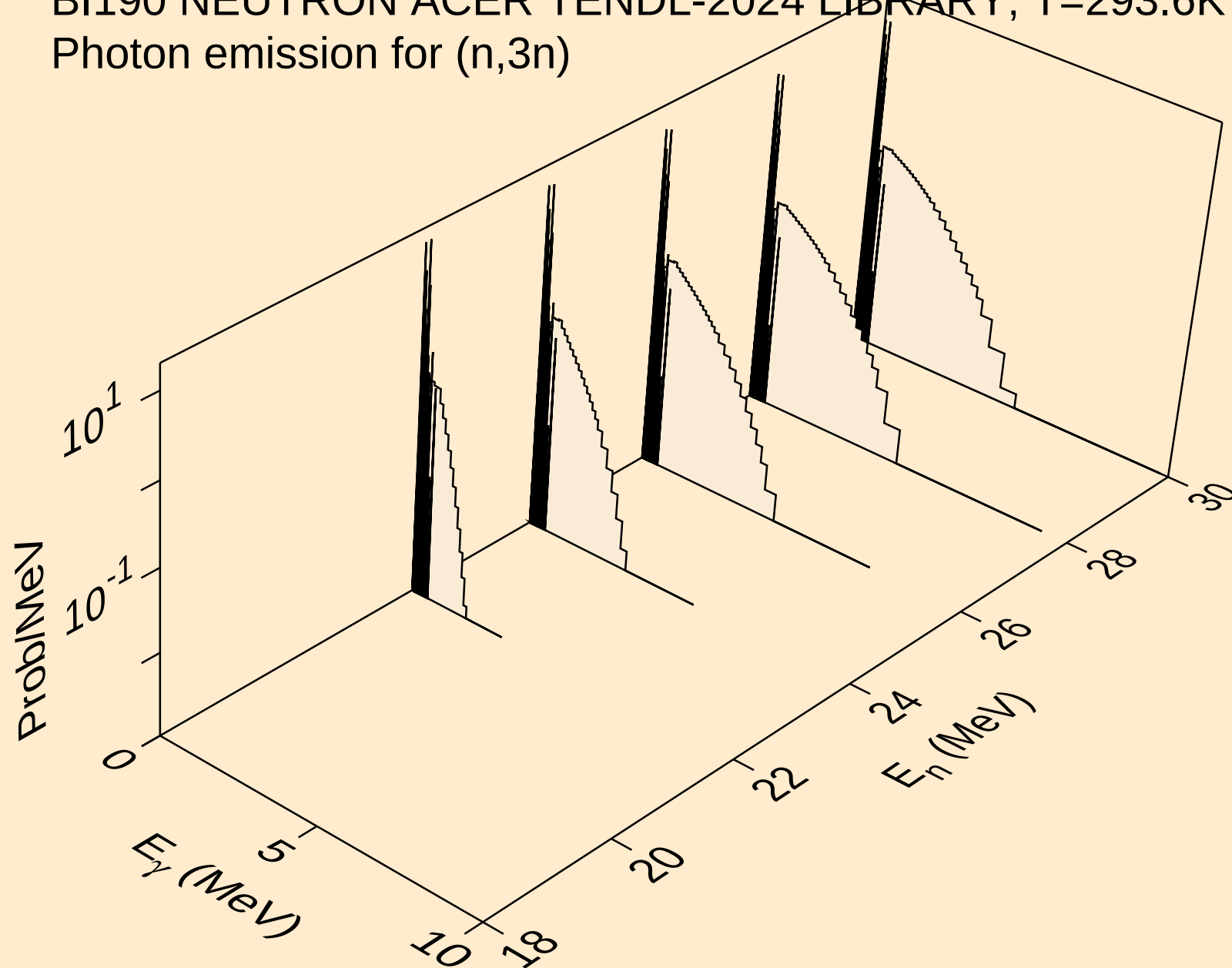
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Photon emission for (n,2nd)



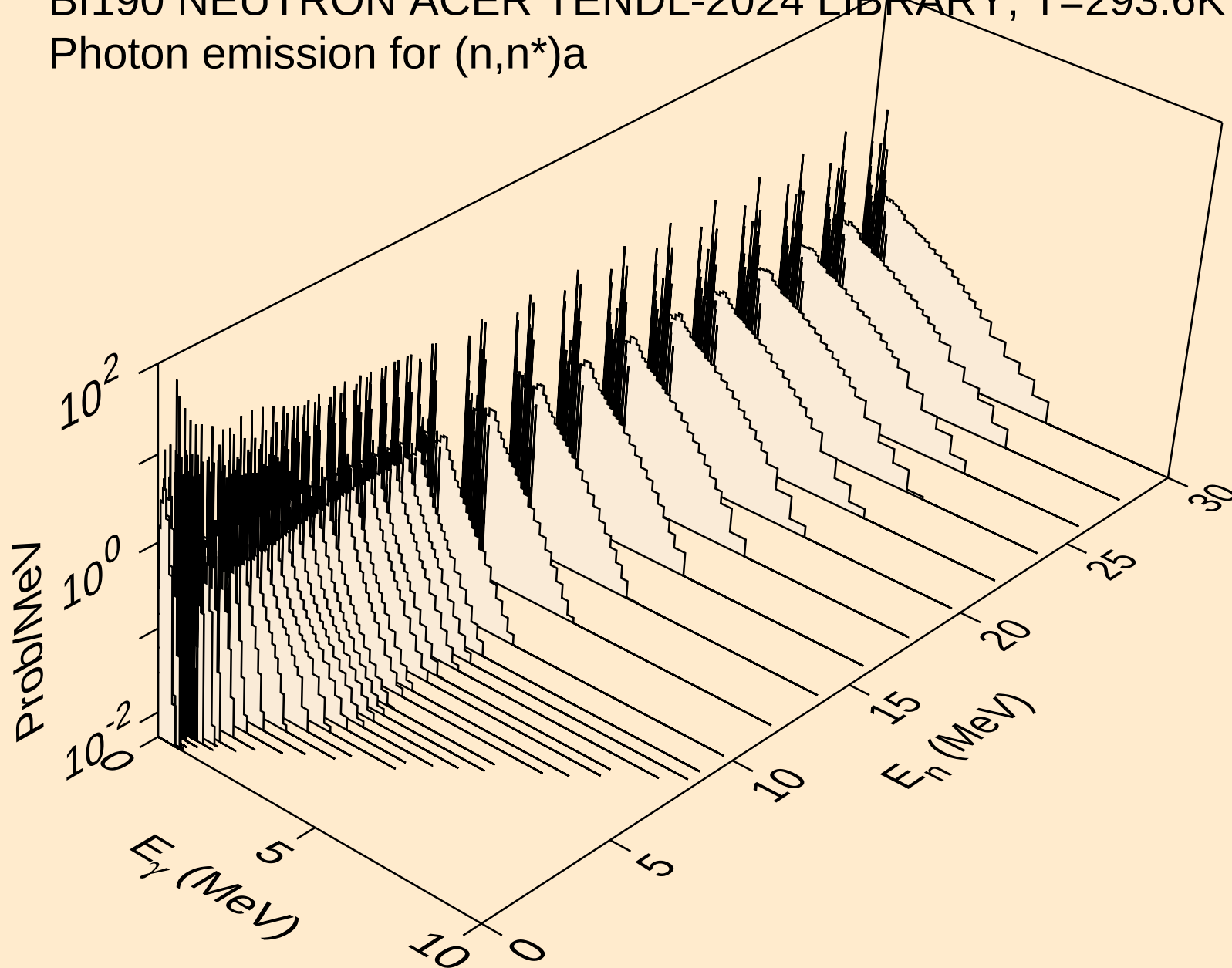
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Photon emission for (n,2n)



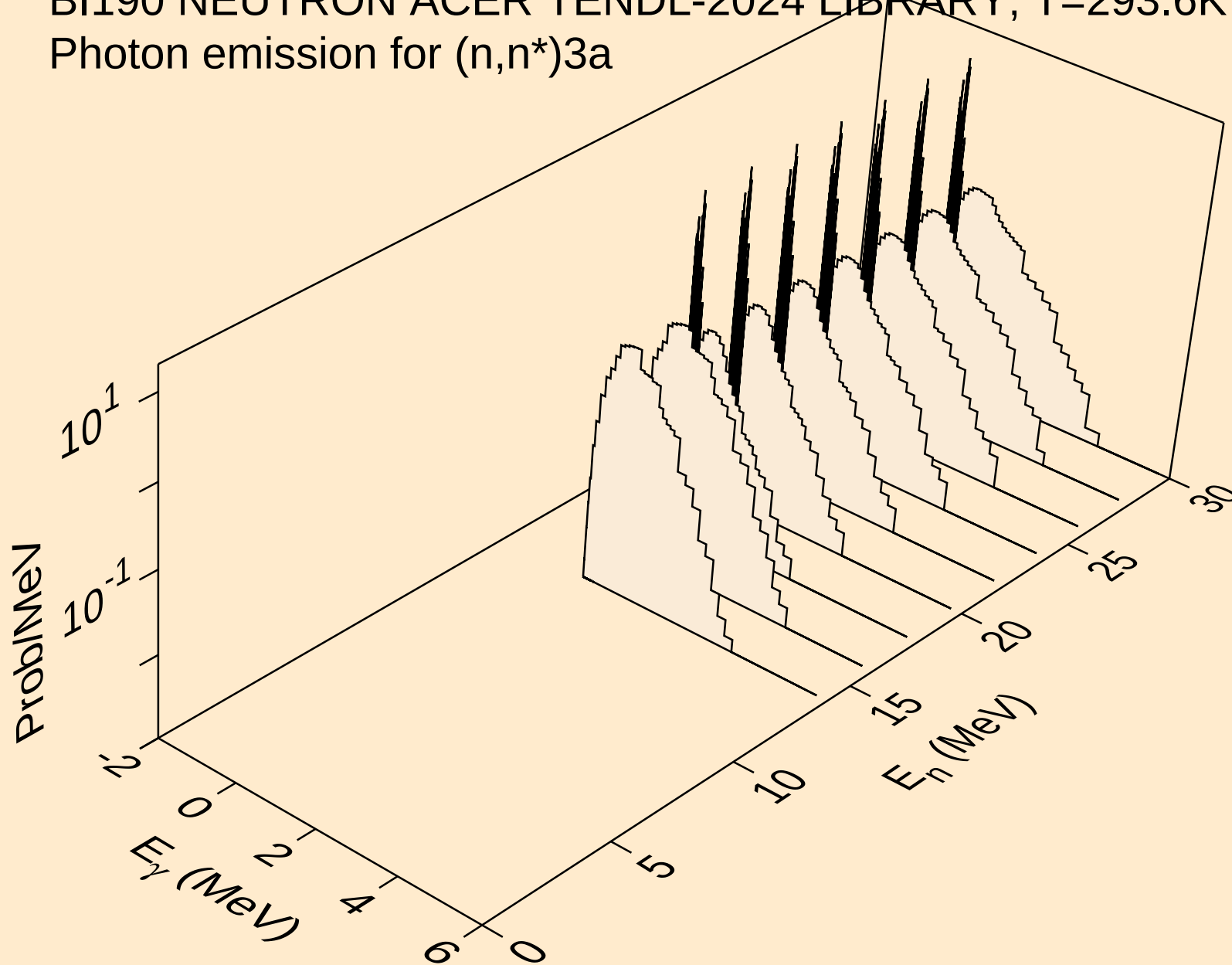
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)



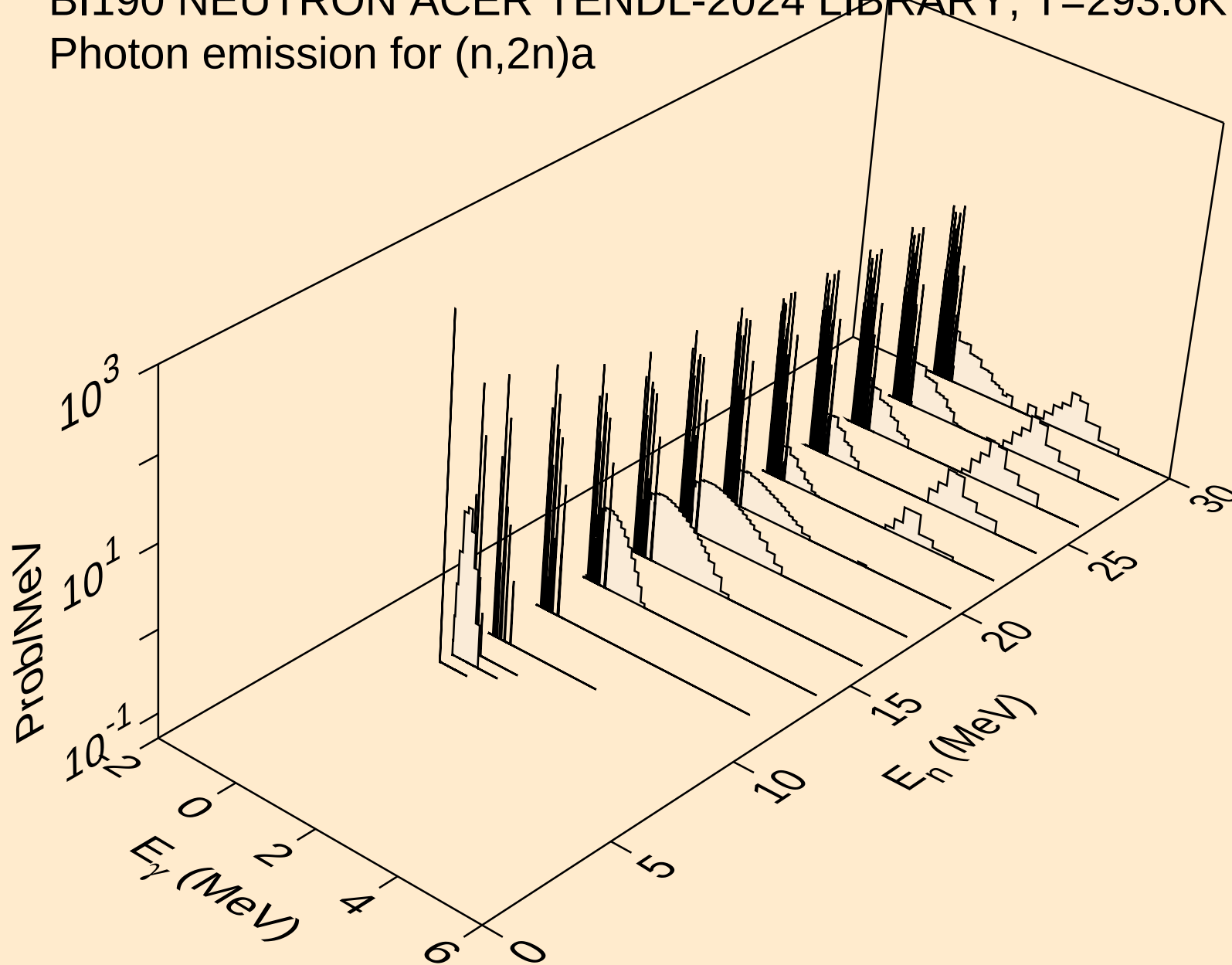
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)a



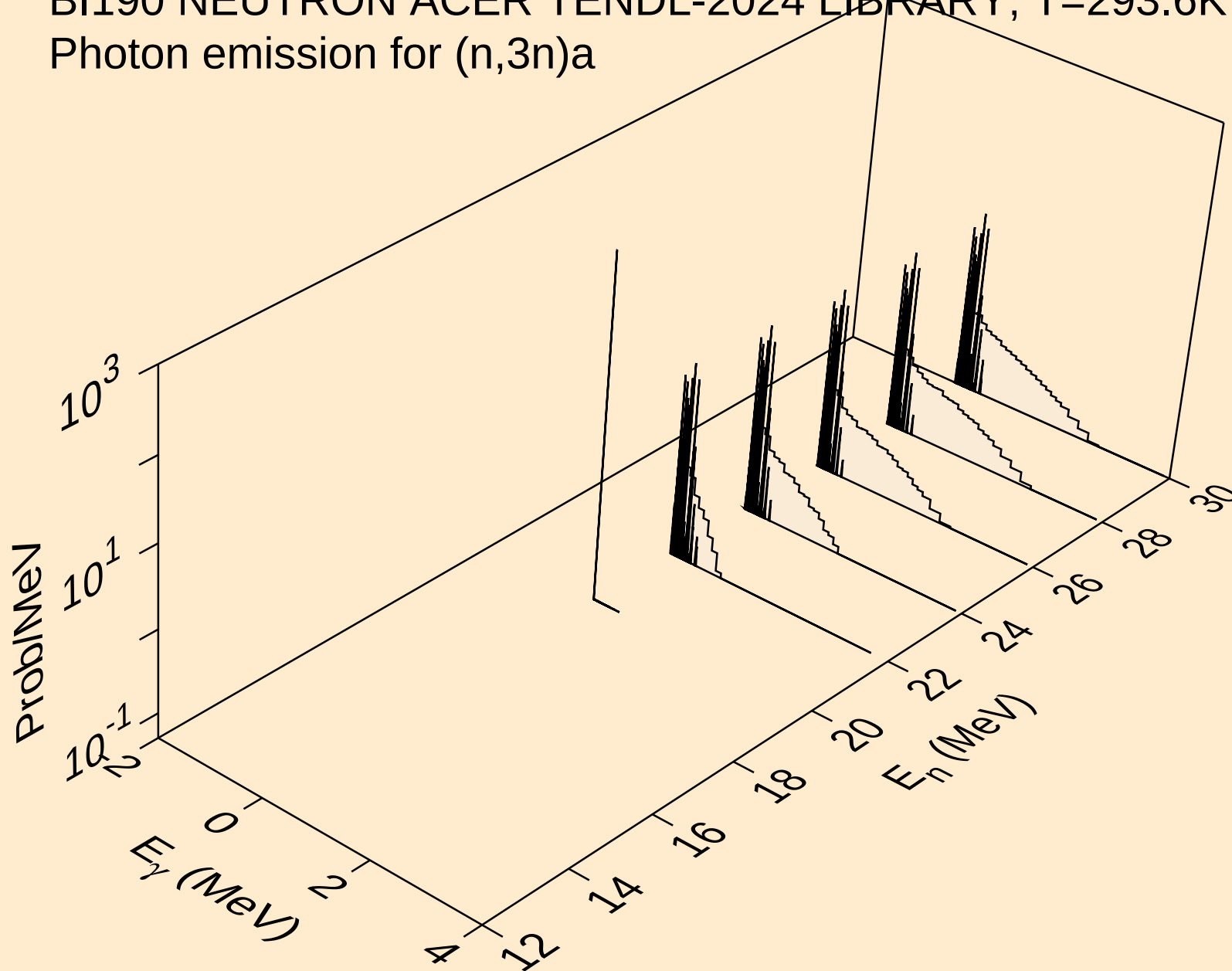
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)3a



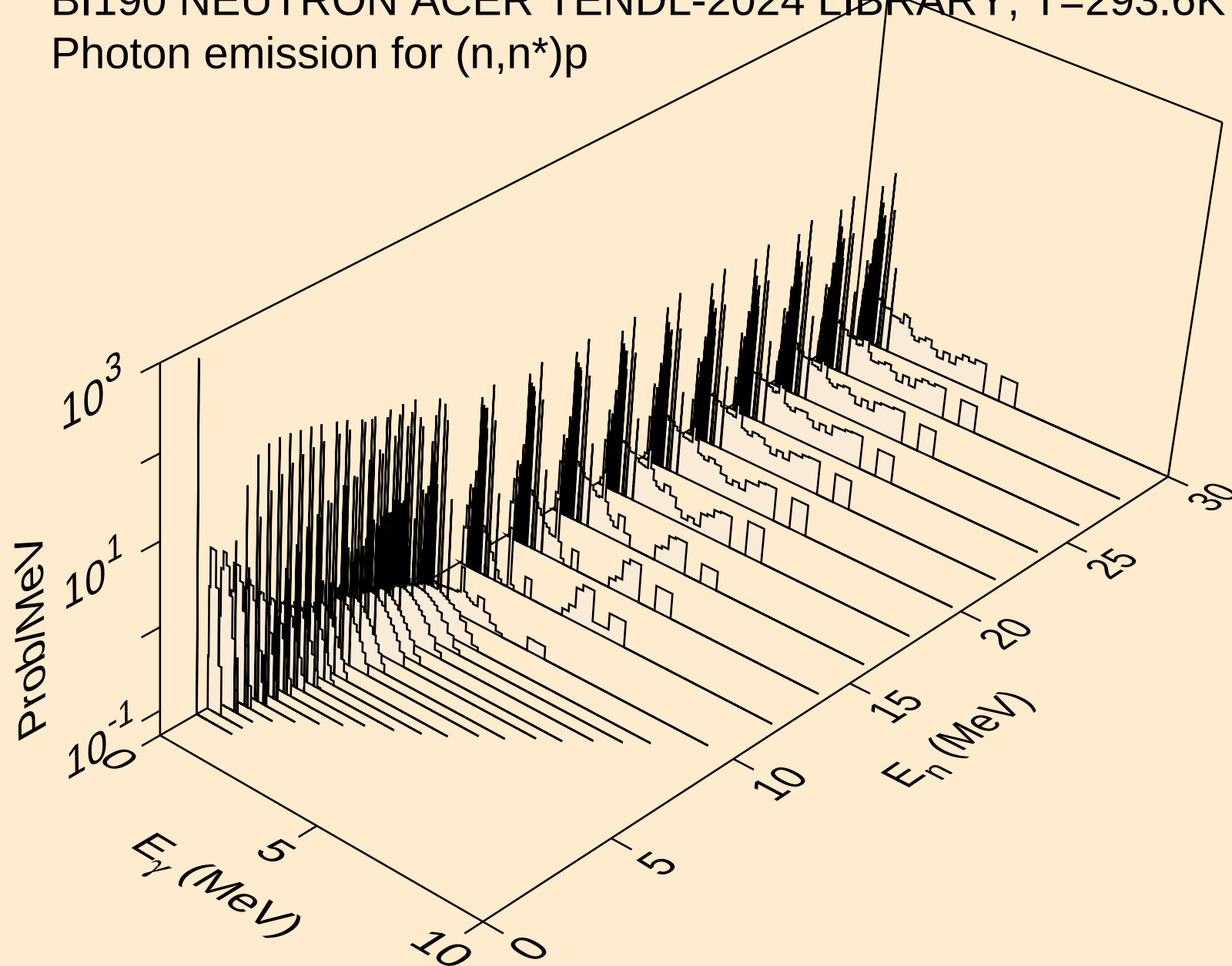
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Photon emission for (n,2n) α



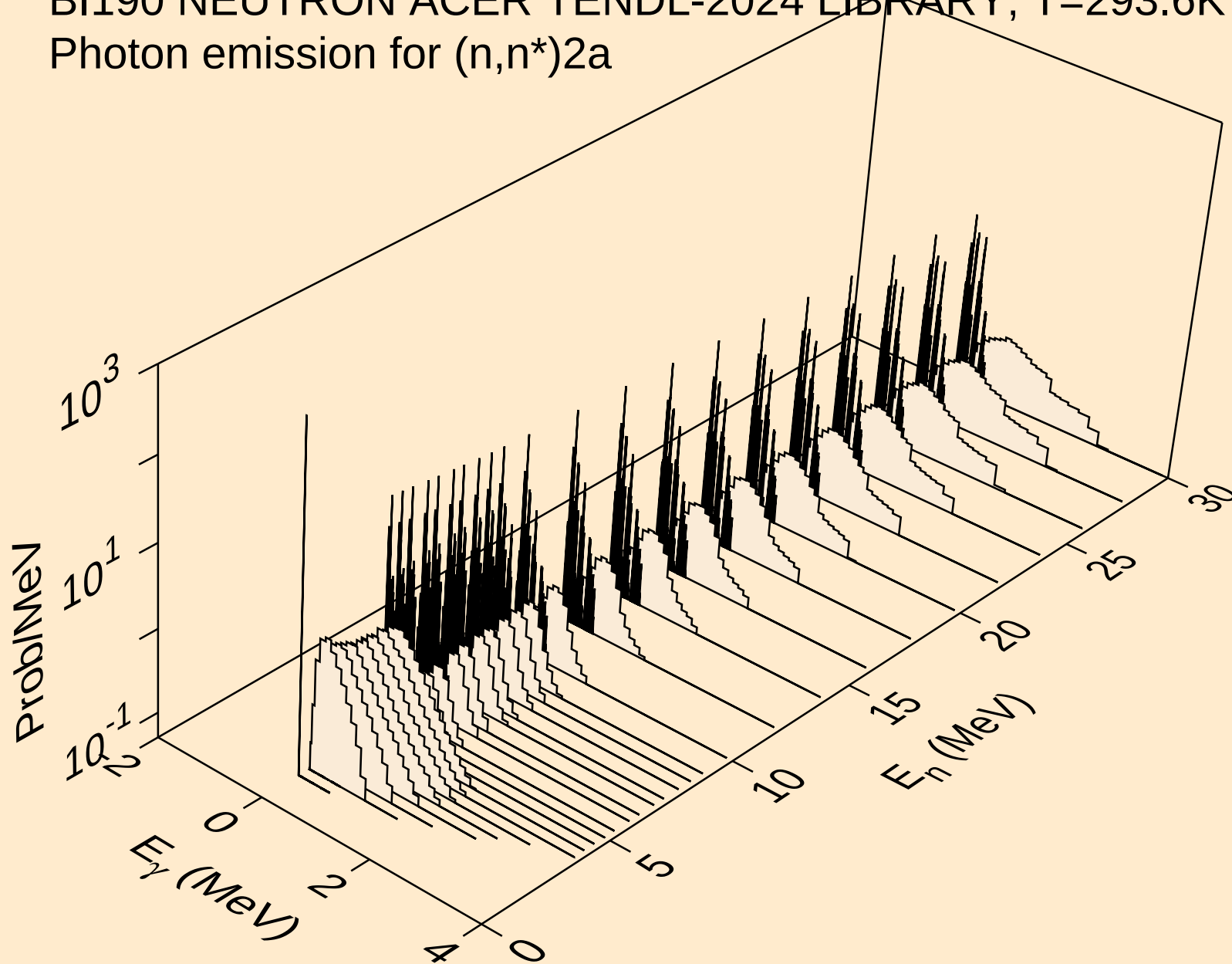
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Photon emission for (n,3n)a



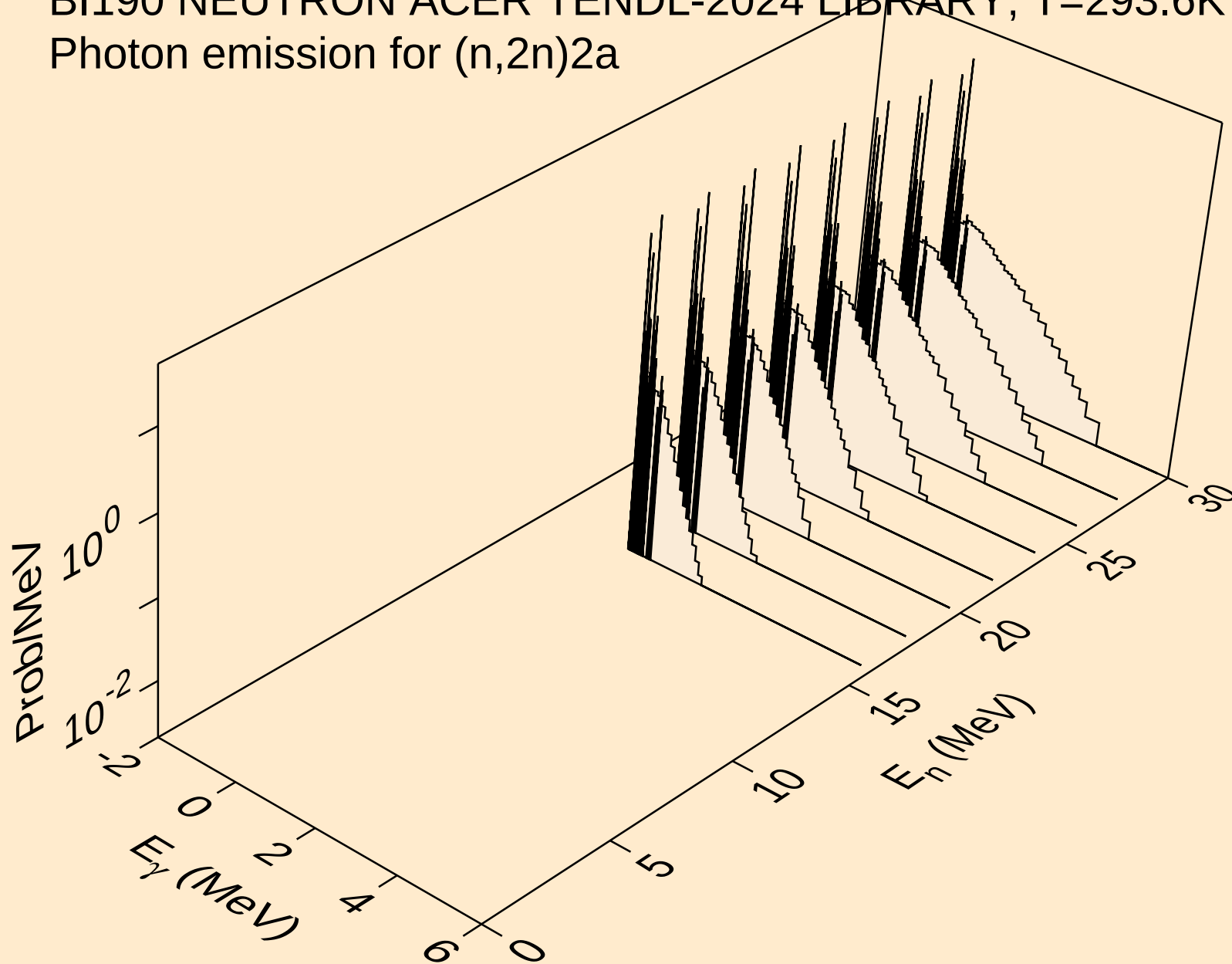
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Photon emission for (n,n*)p



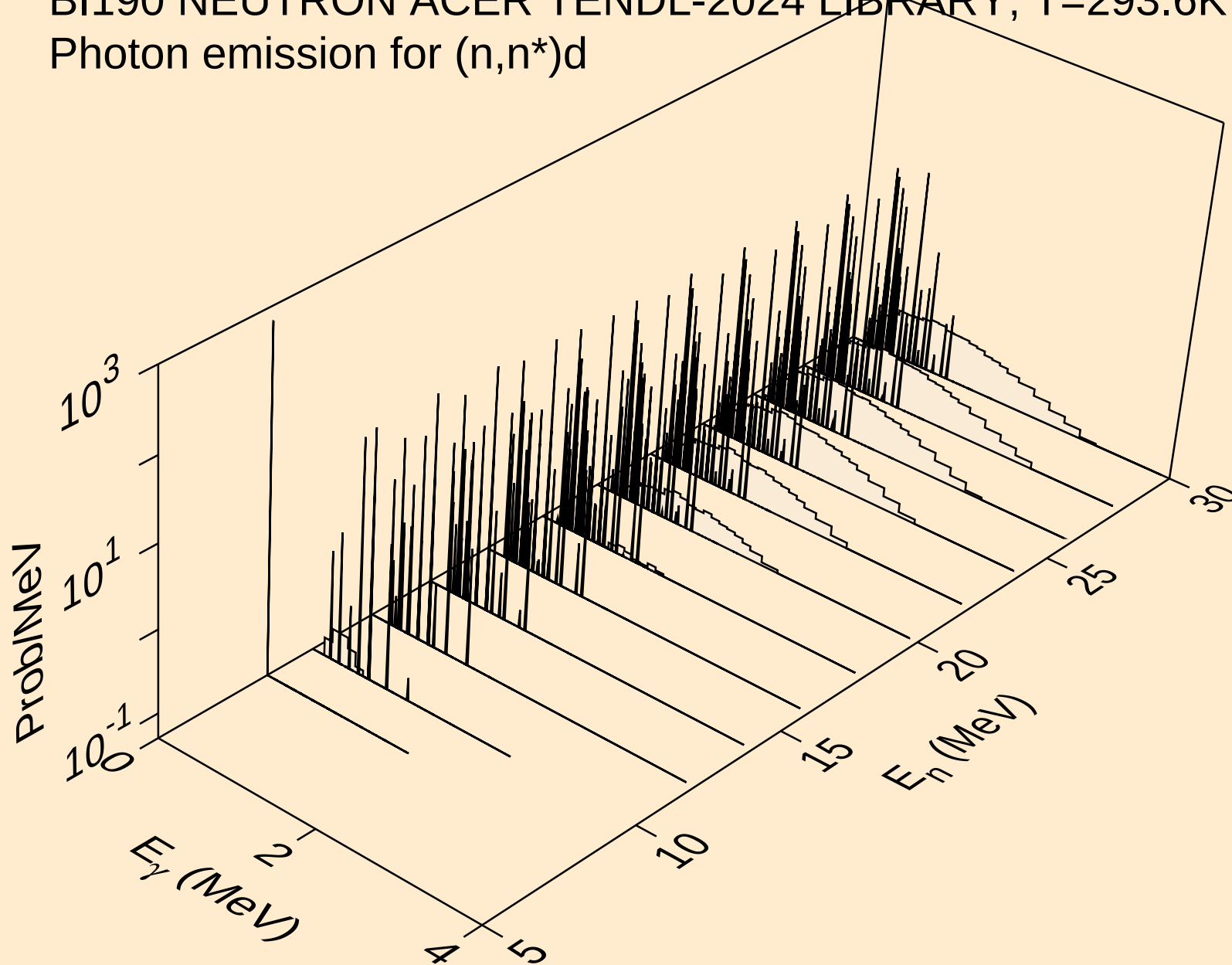
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Photon emission for (n,n*)2a



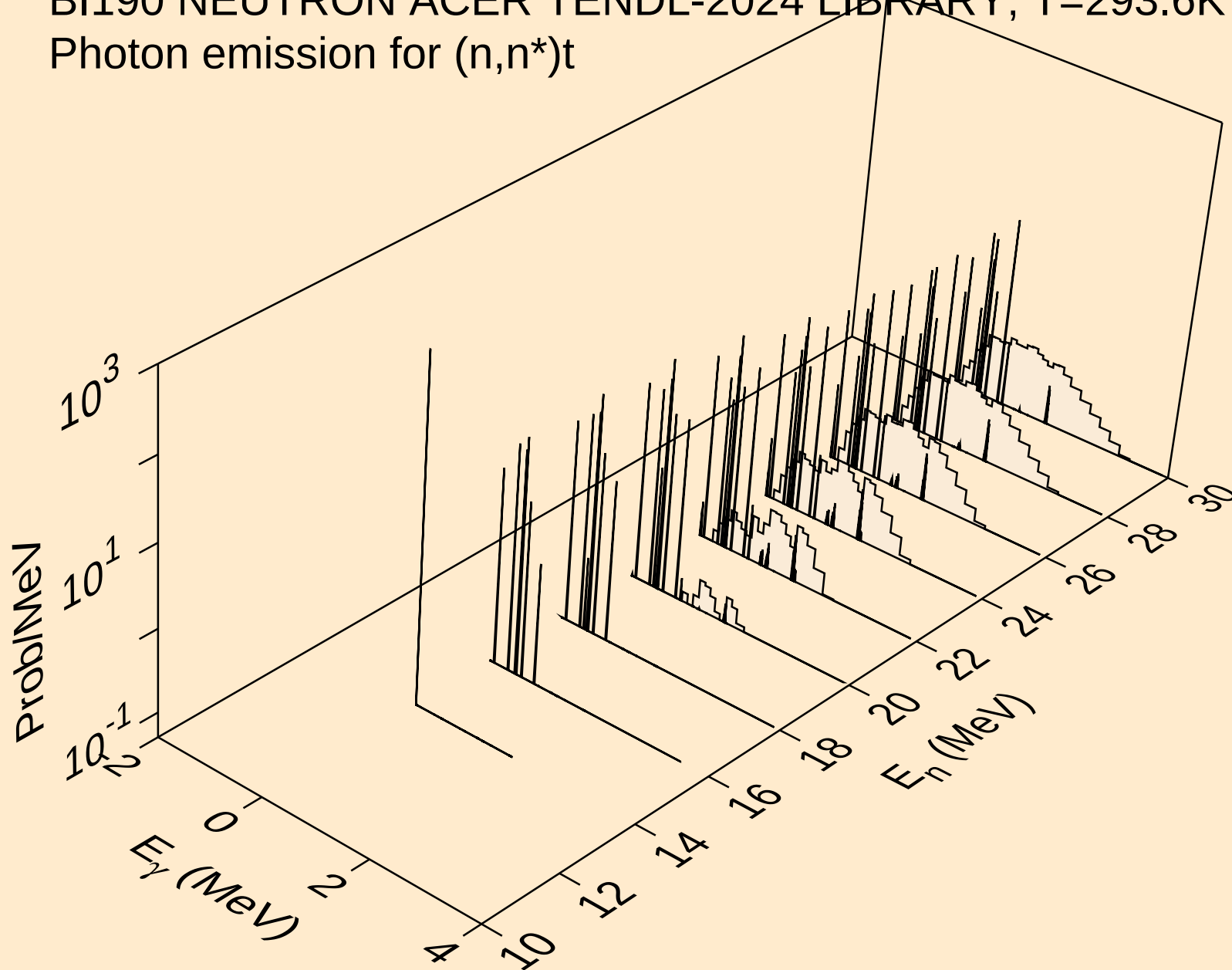
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Photon emission for (n,2n)2a



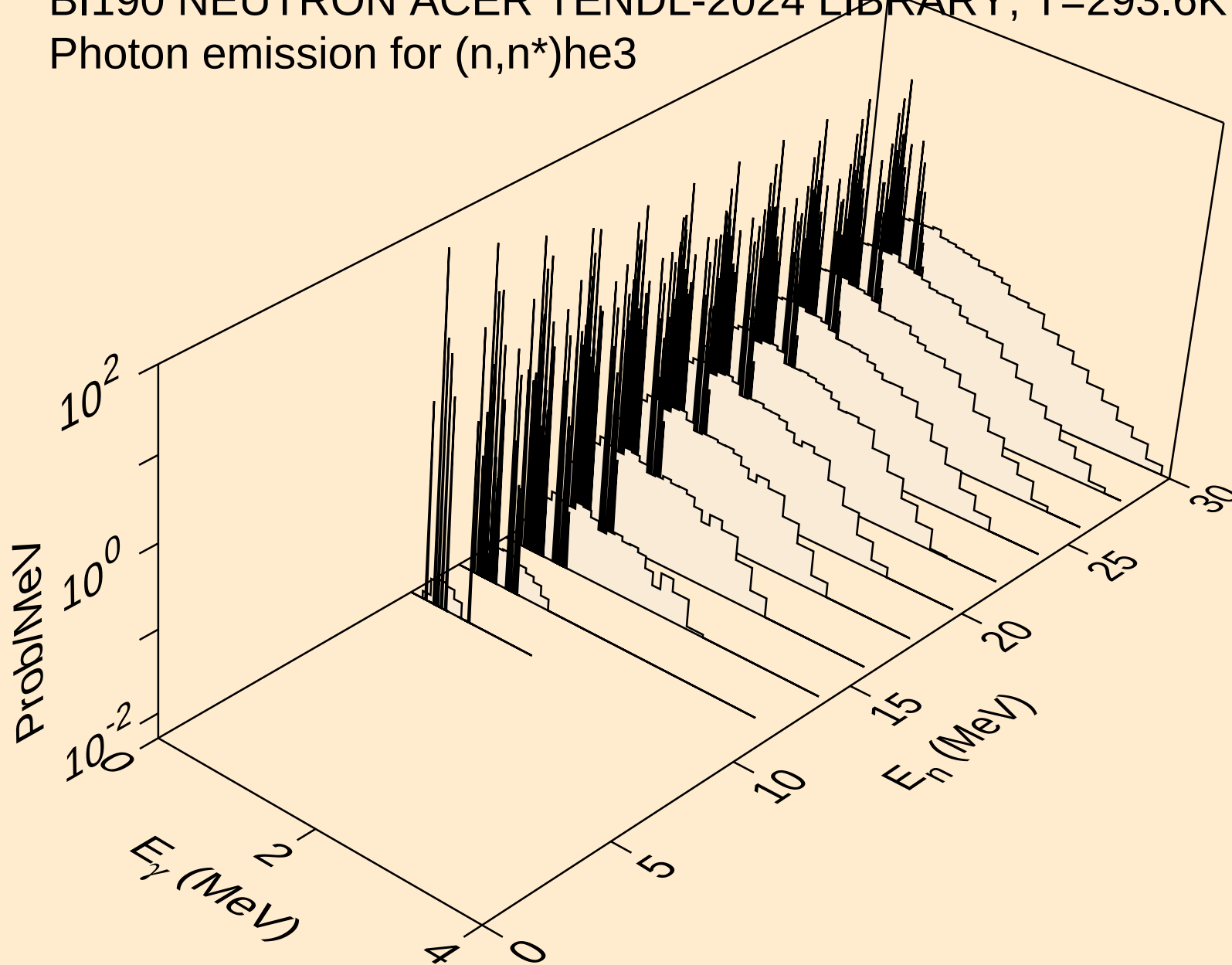
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Photon emission for (n,n*)d



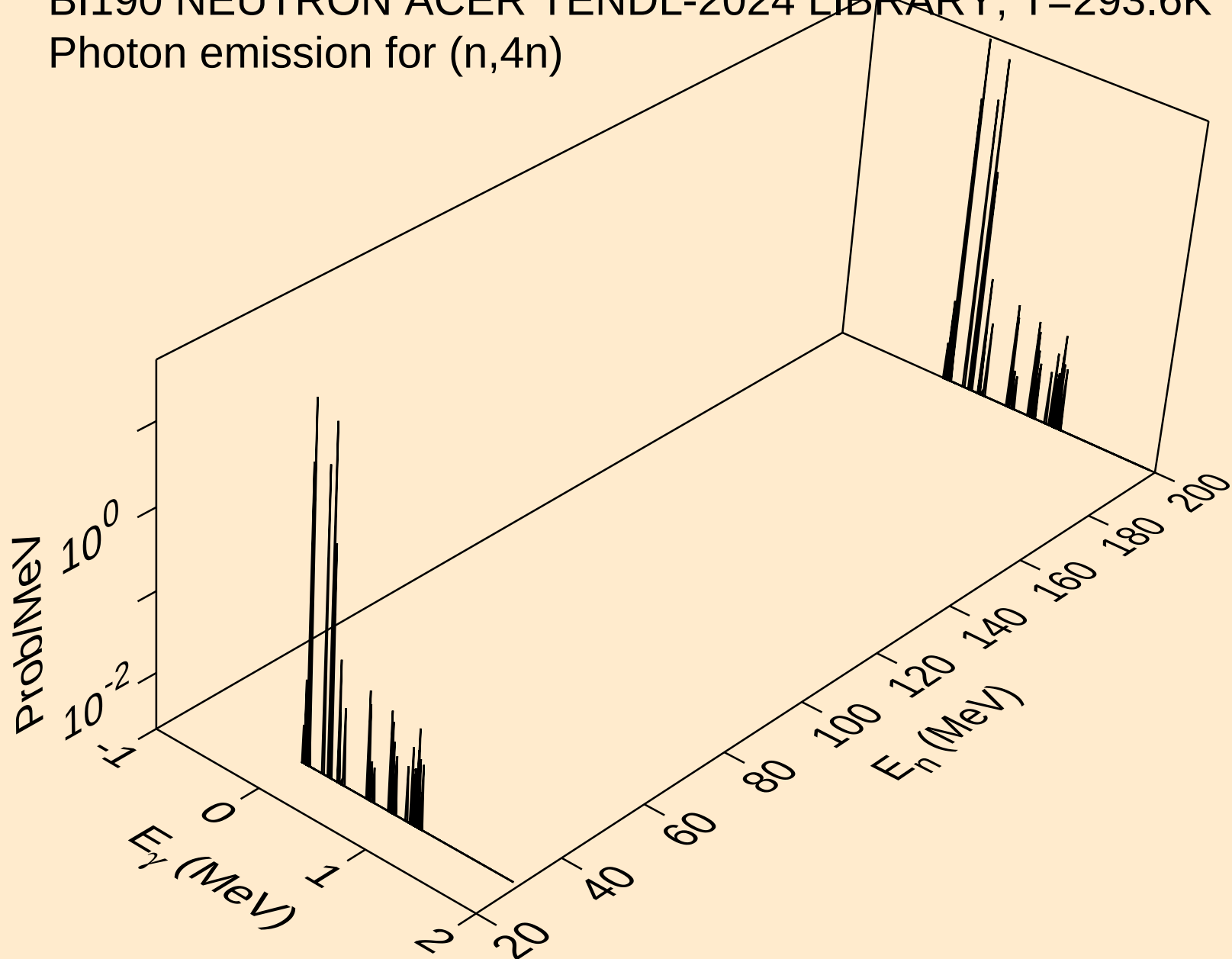
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)t



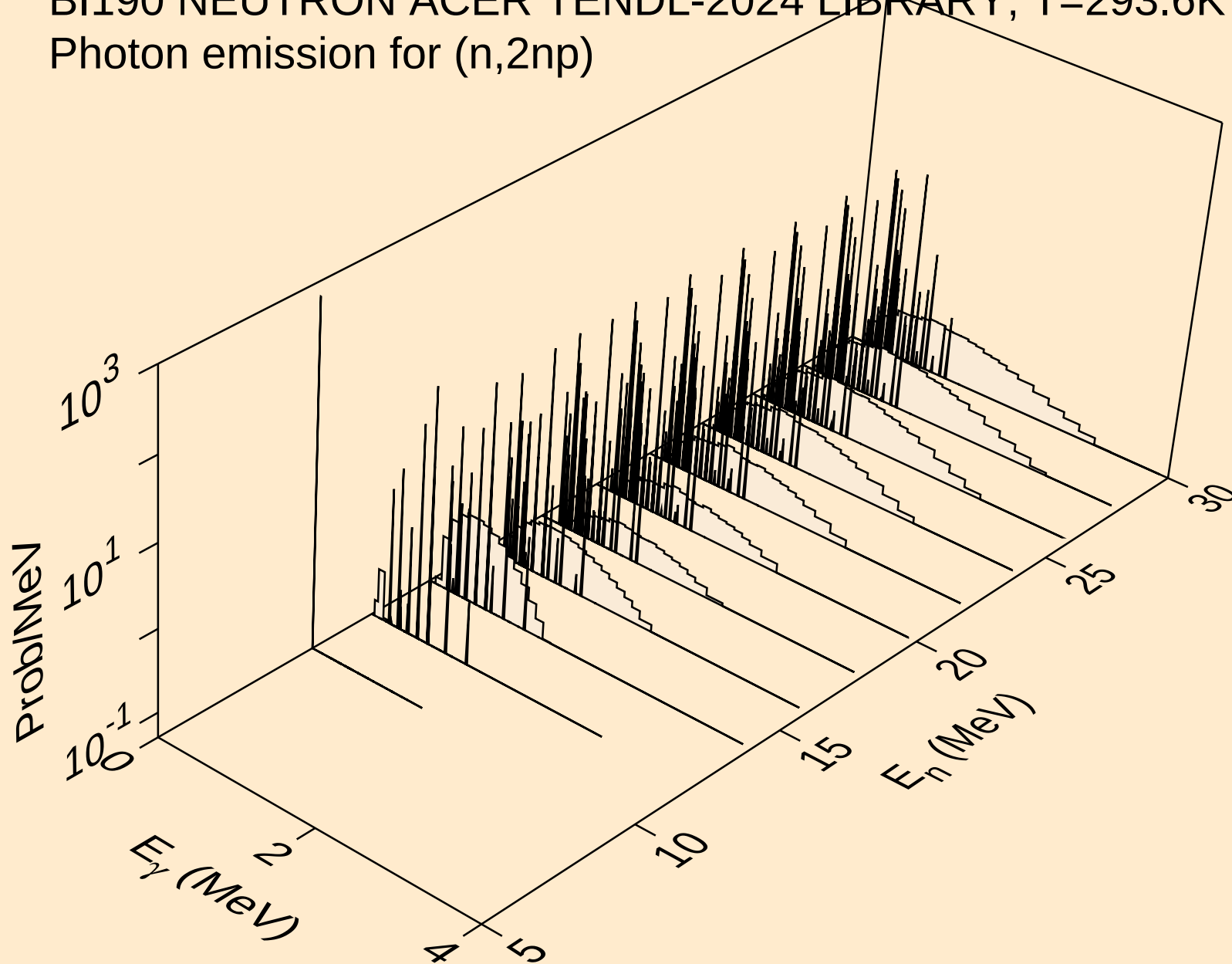
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)he3



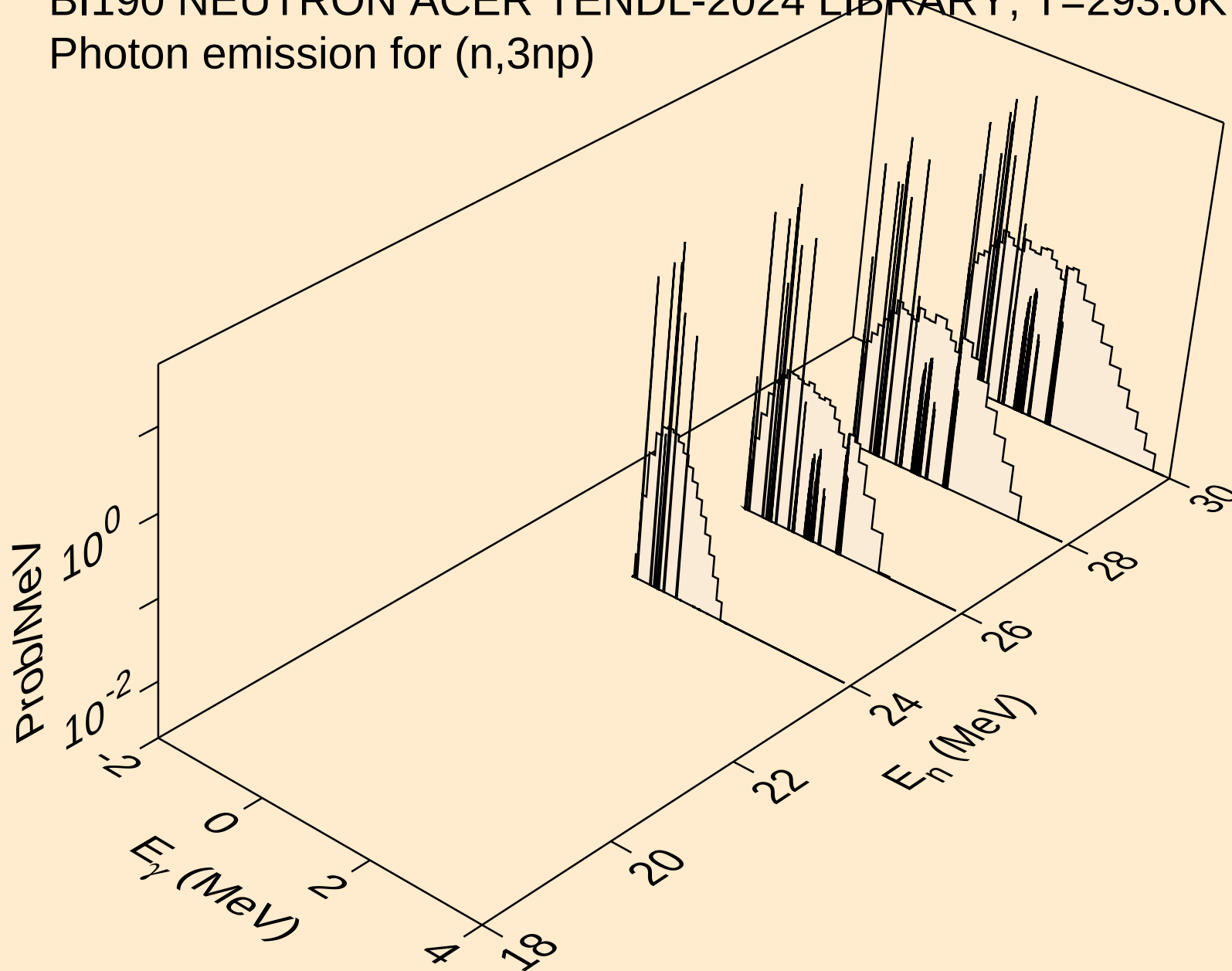
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,4n)



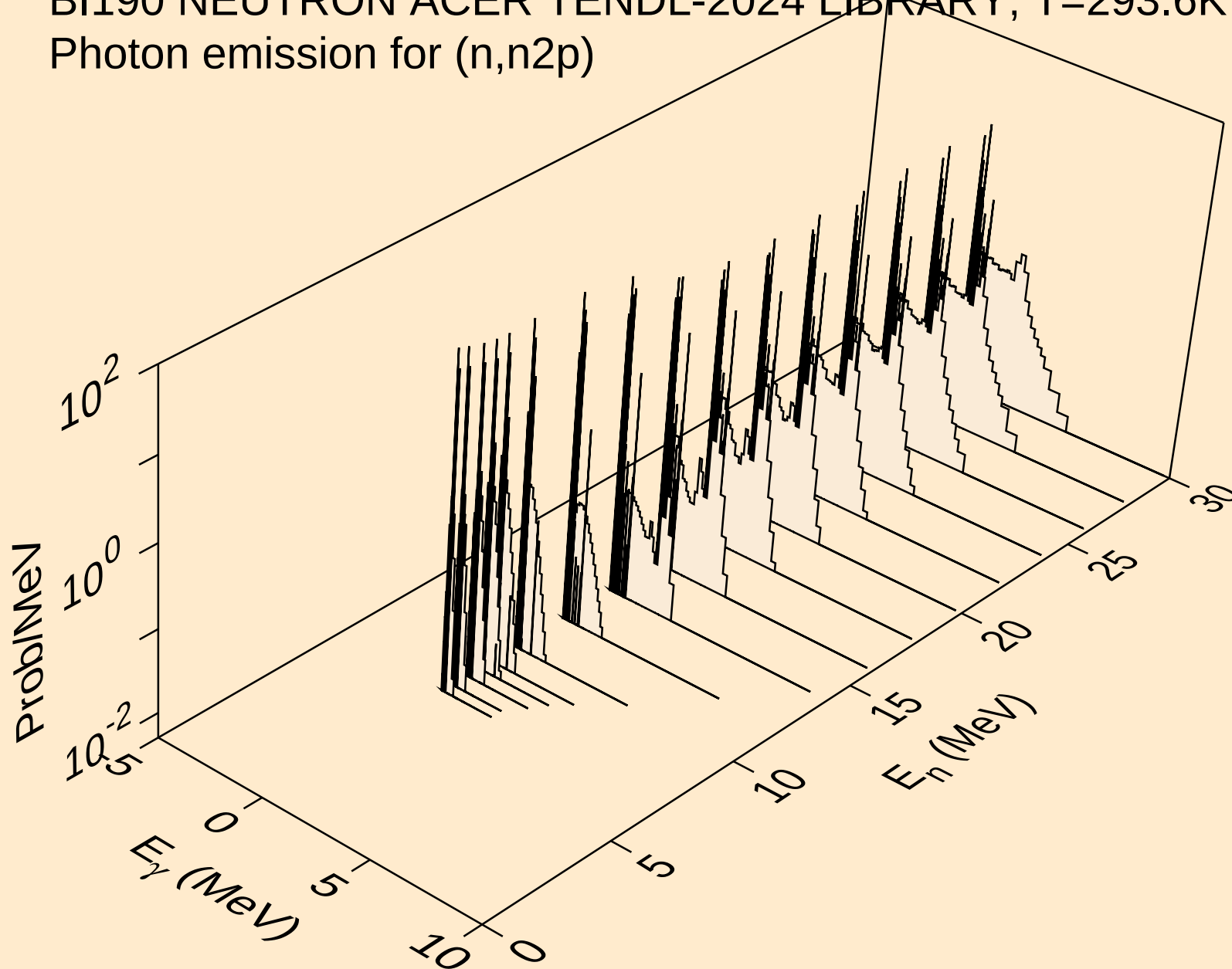
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2np)



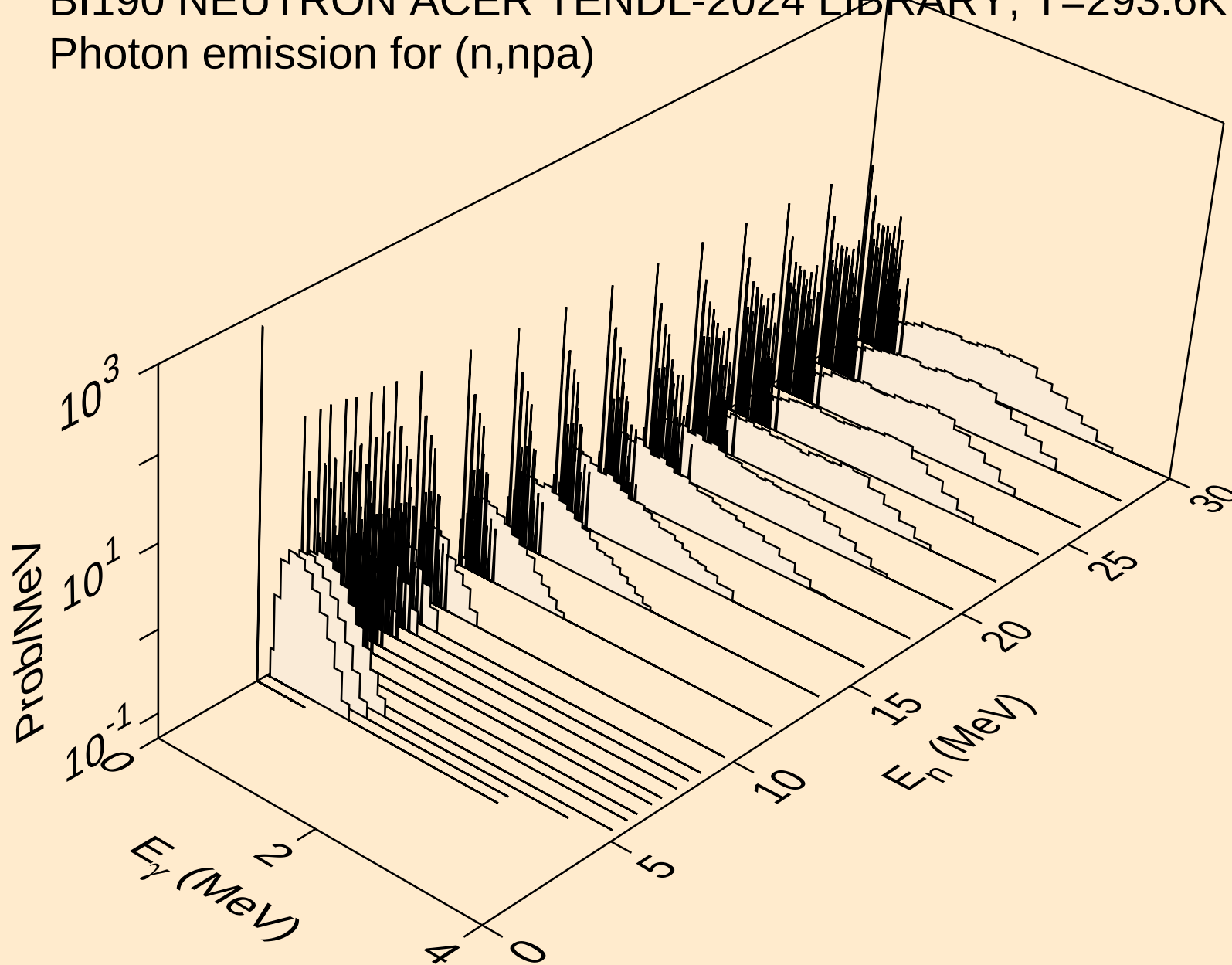
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3np)



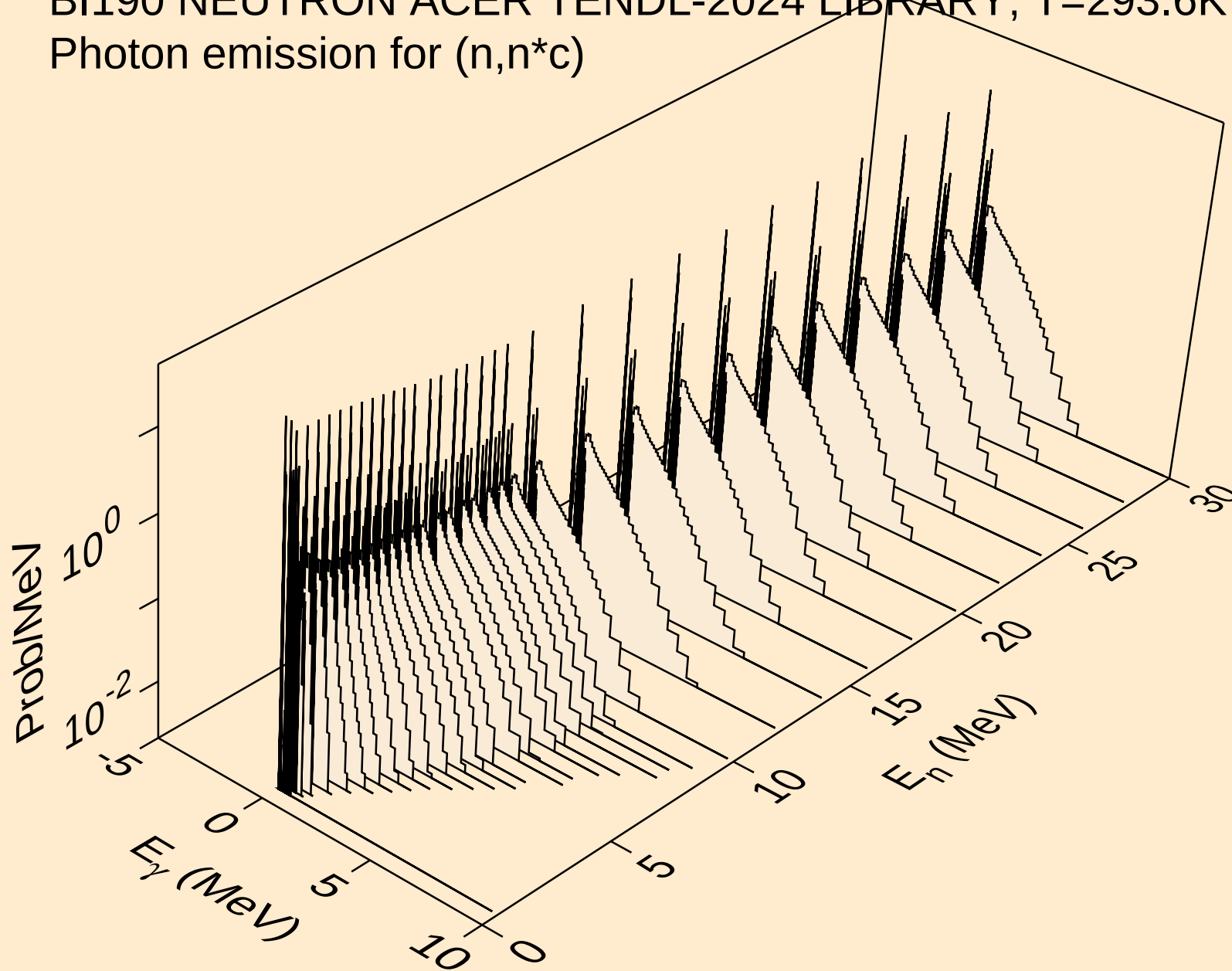
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n2p)



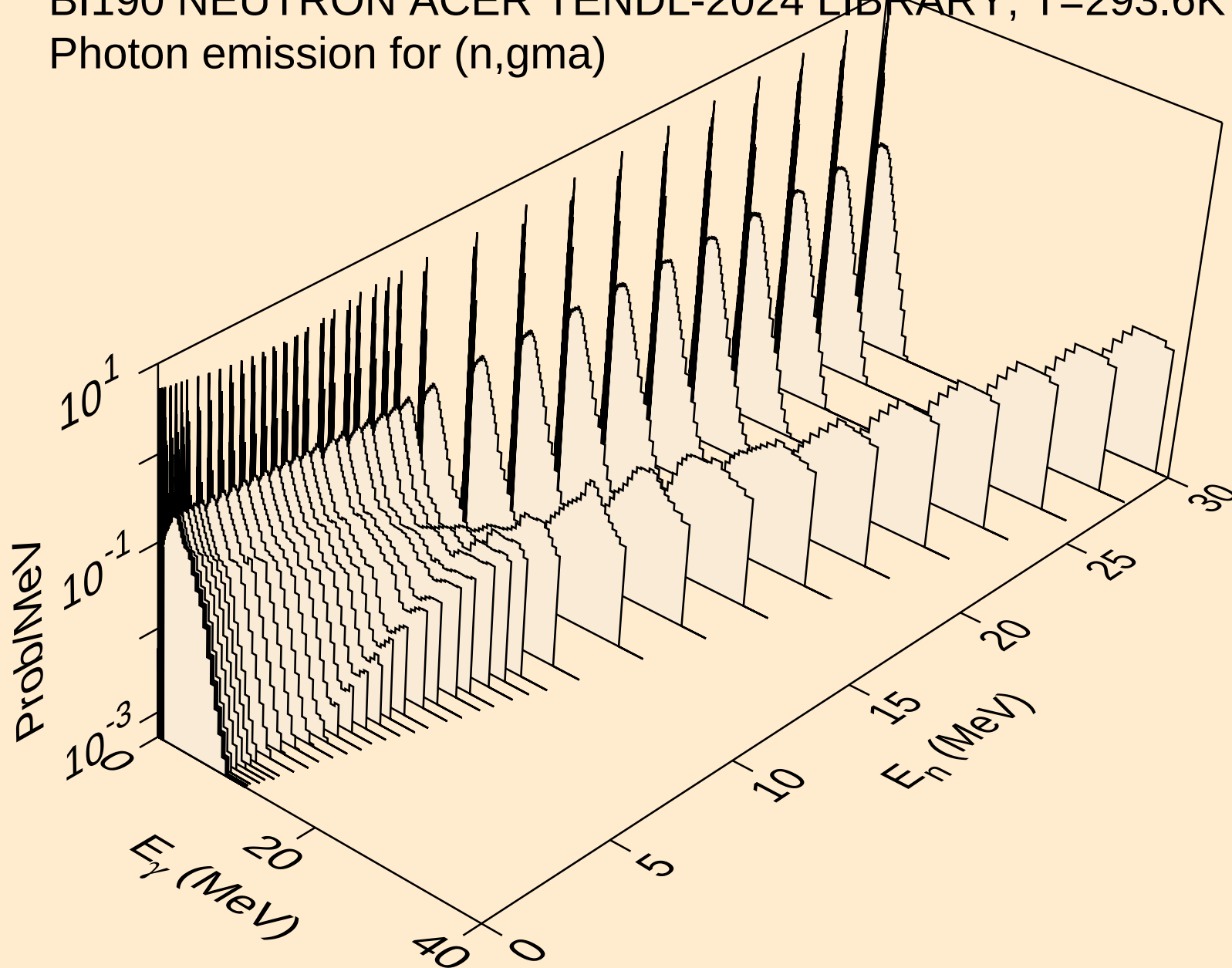
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,npa)



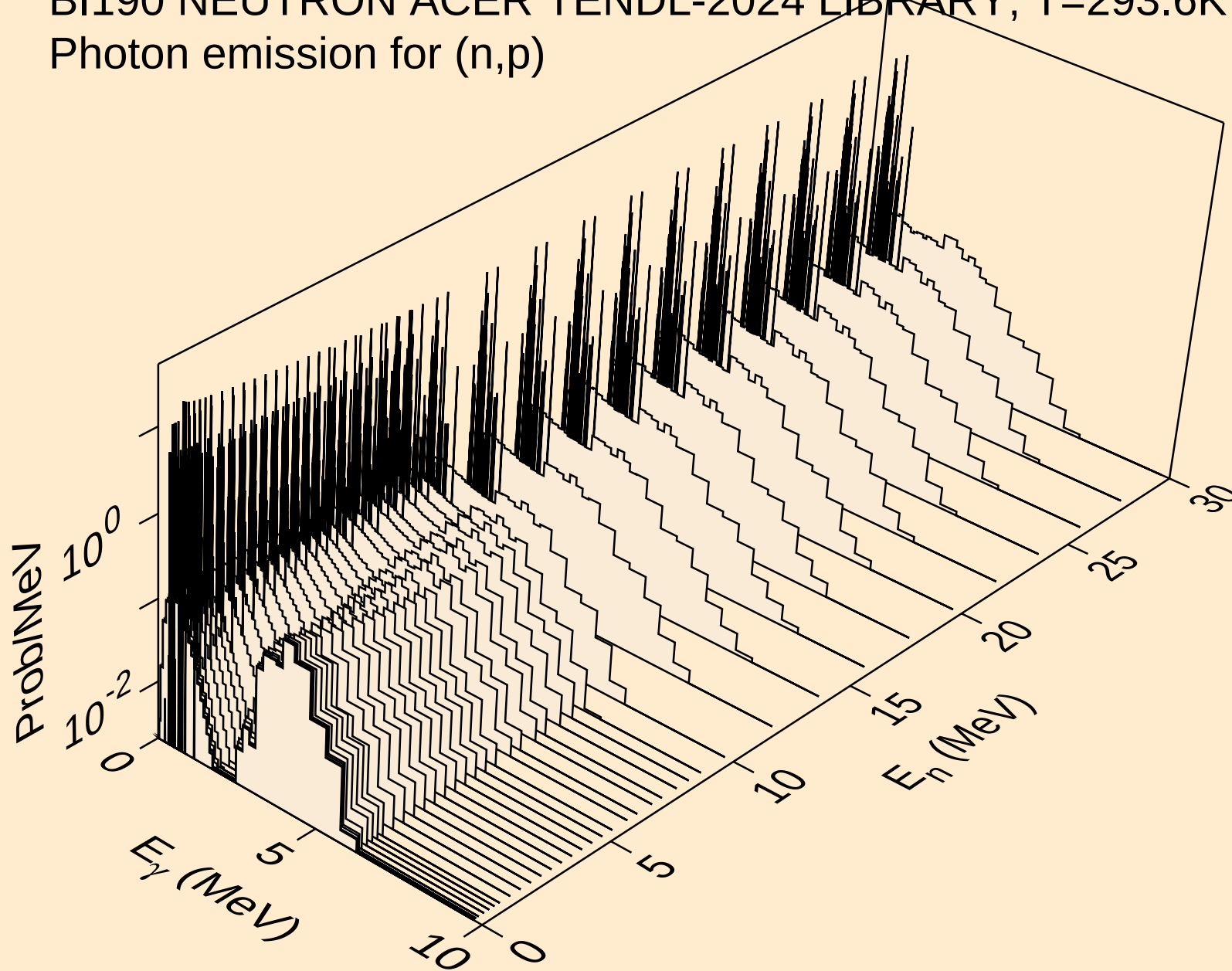
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*c)



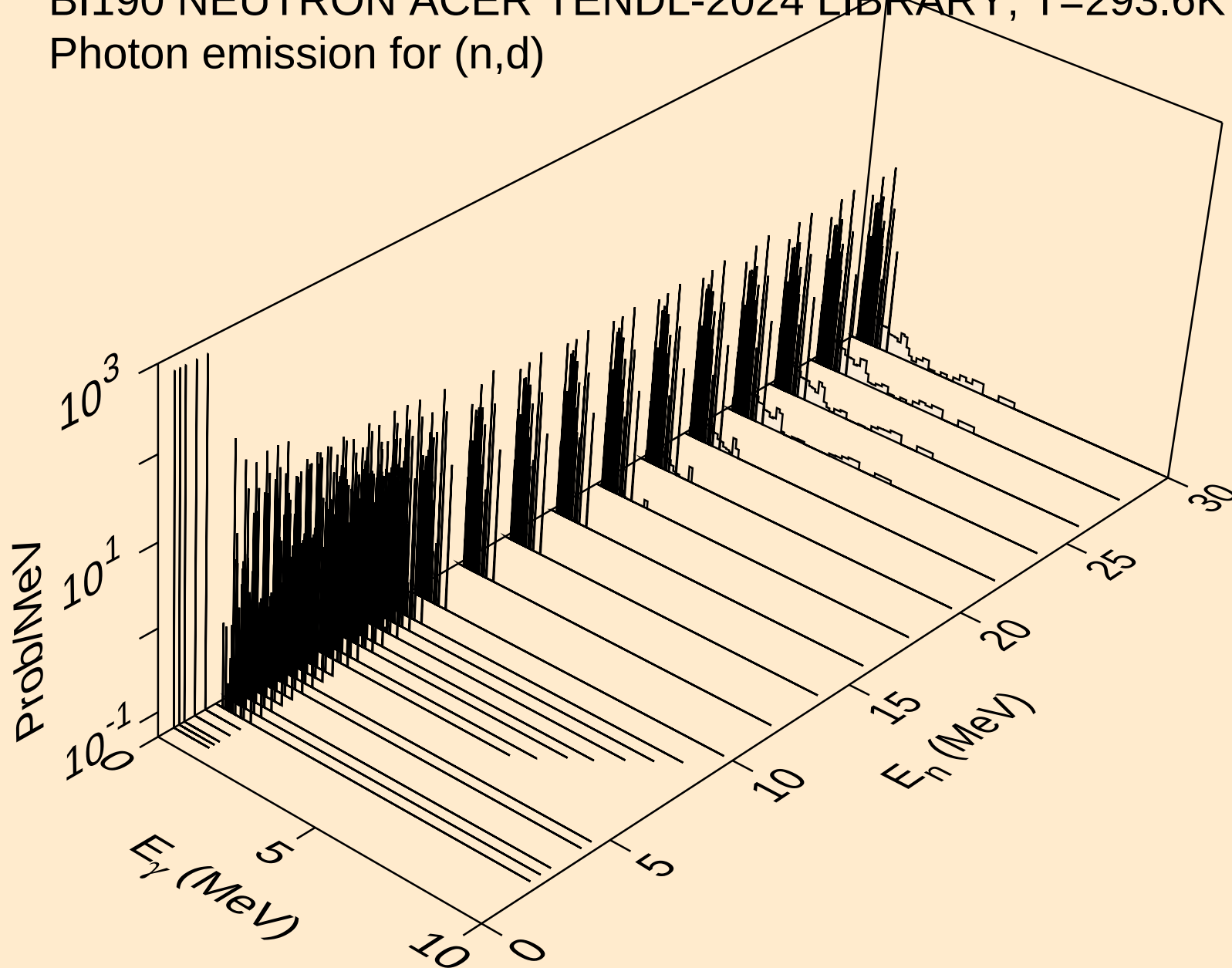
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,gma)



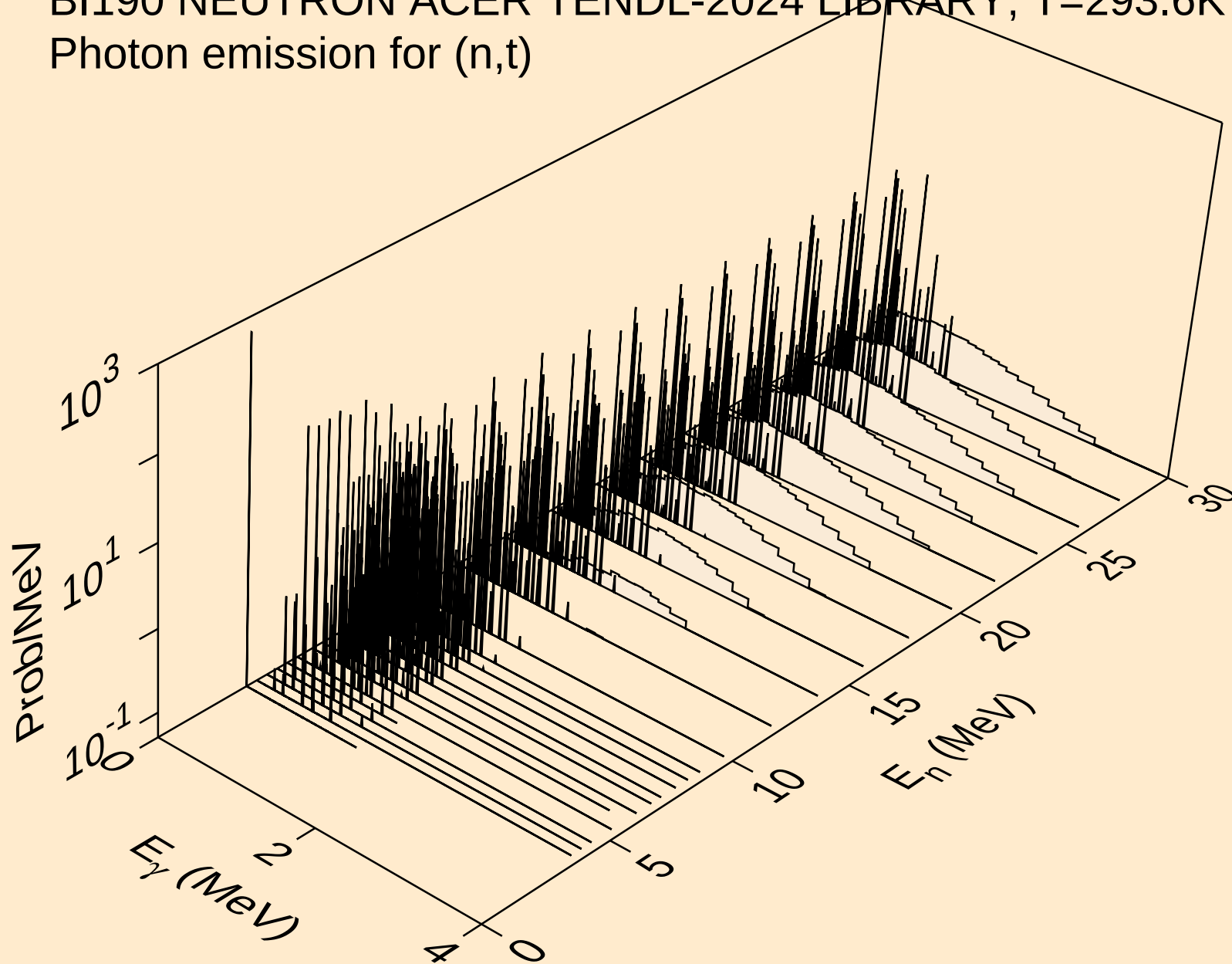
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)



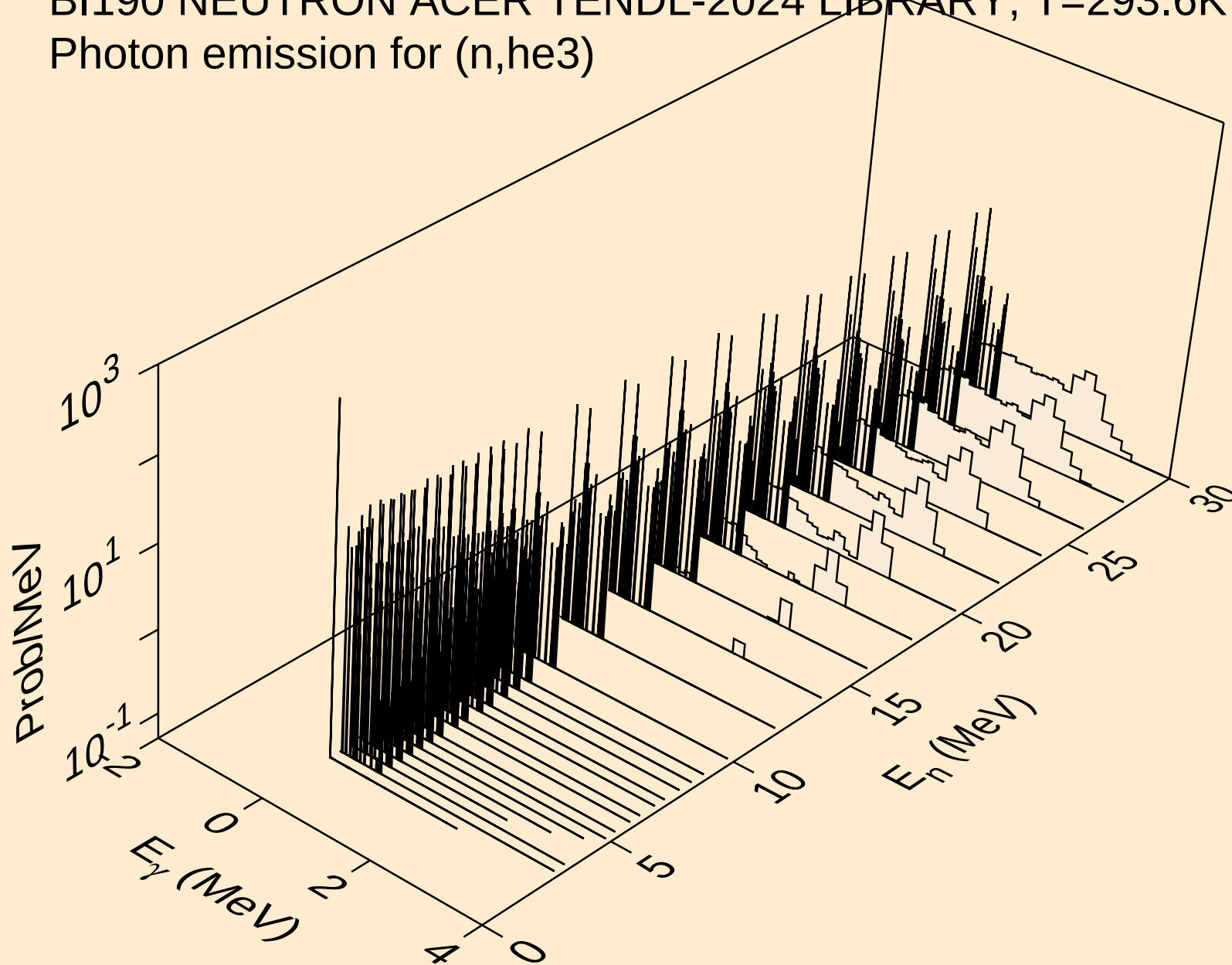
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d)



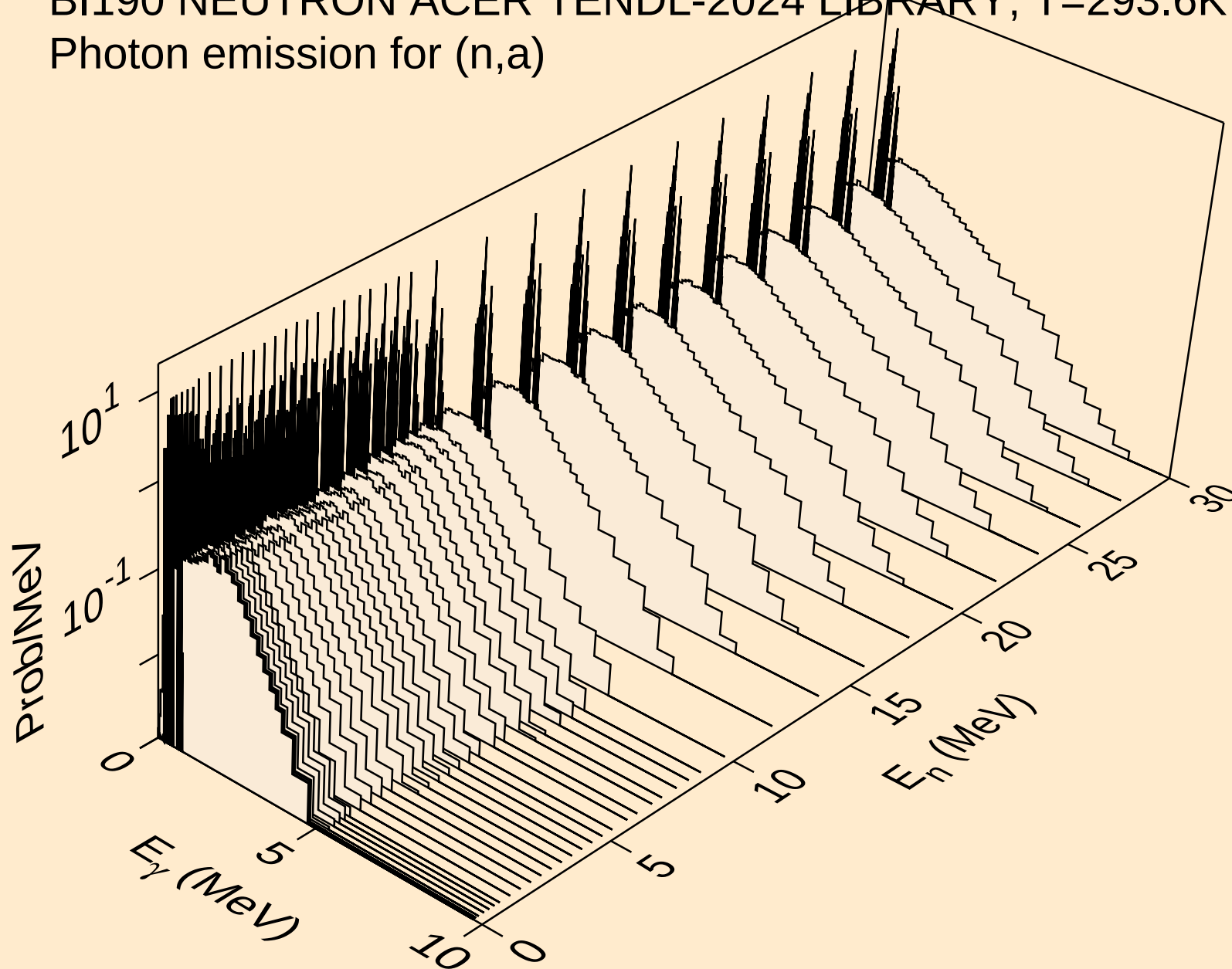
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t)



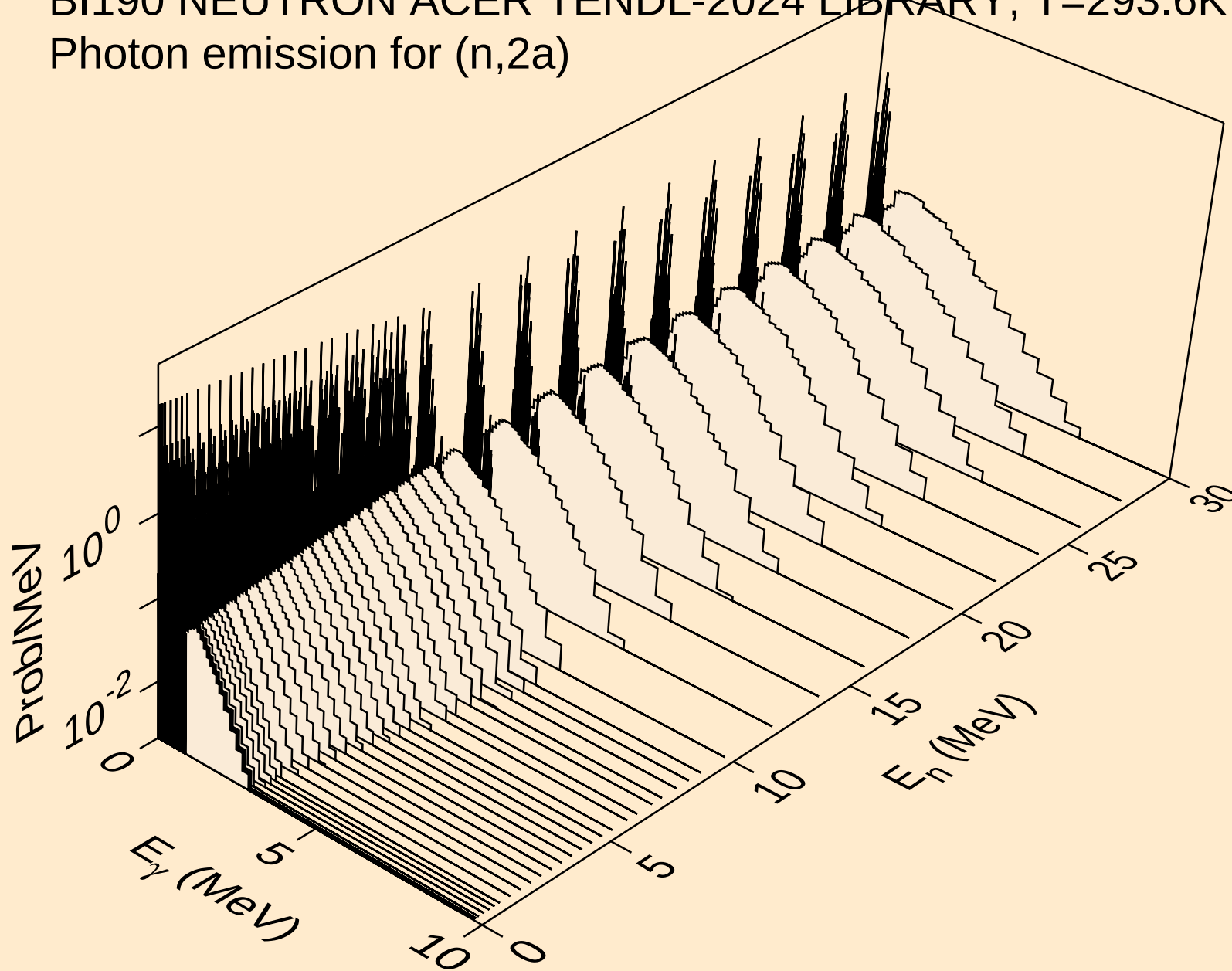
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,he3)



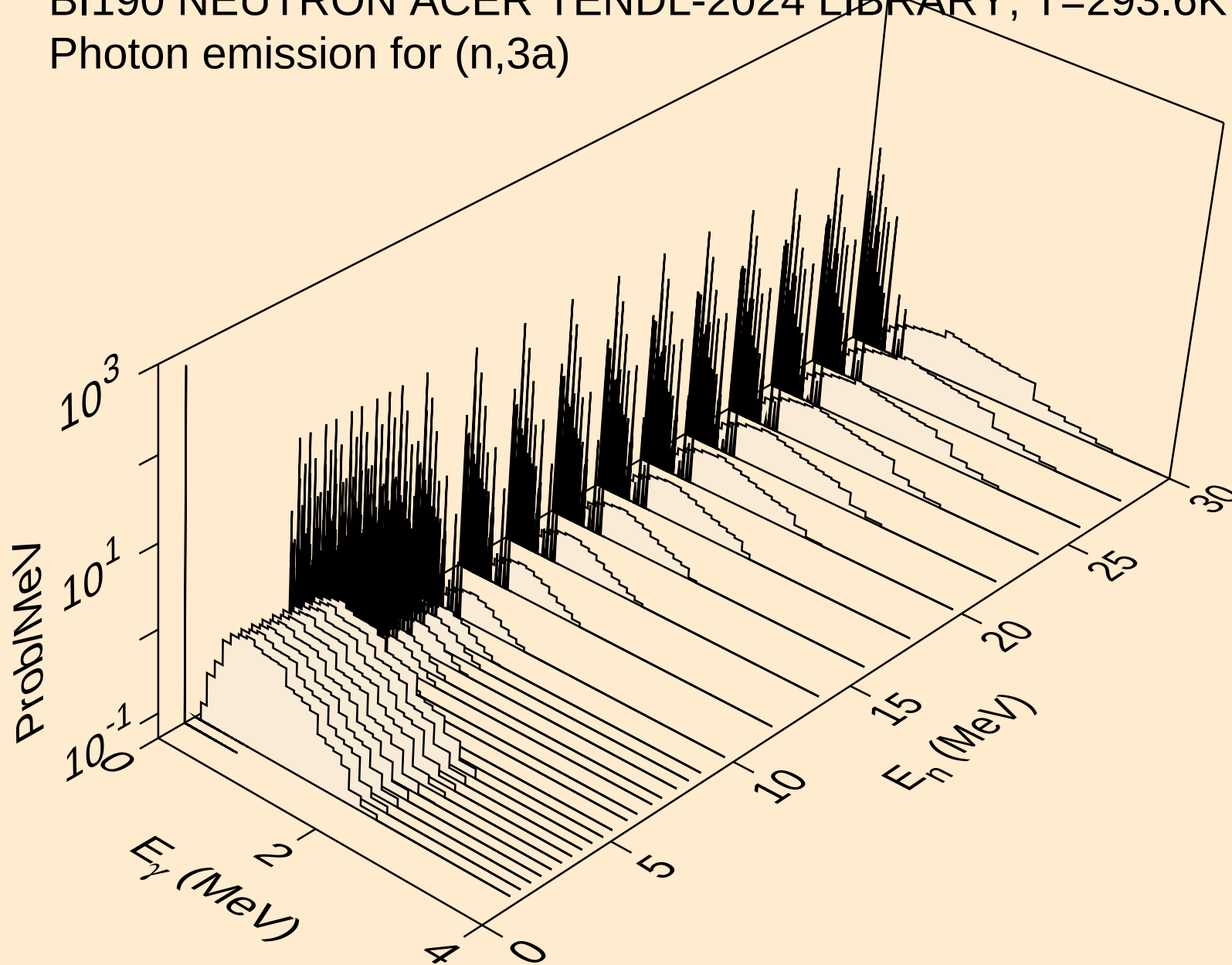
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,a)



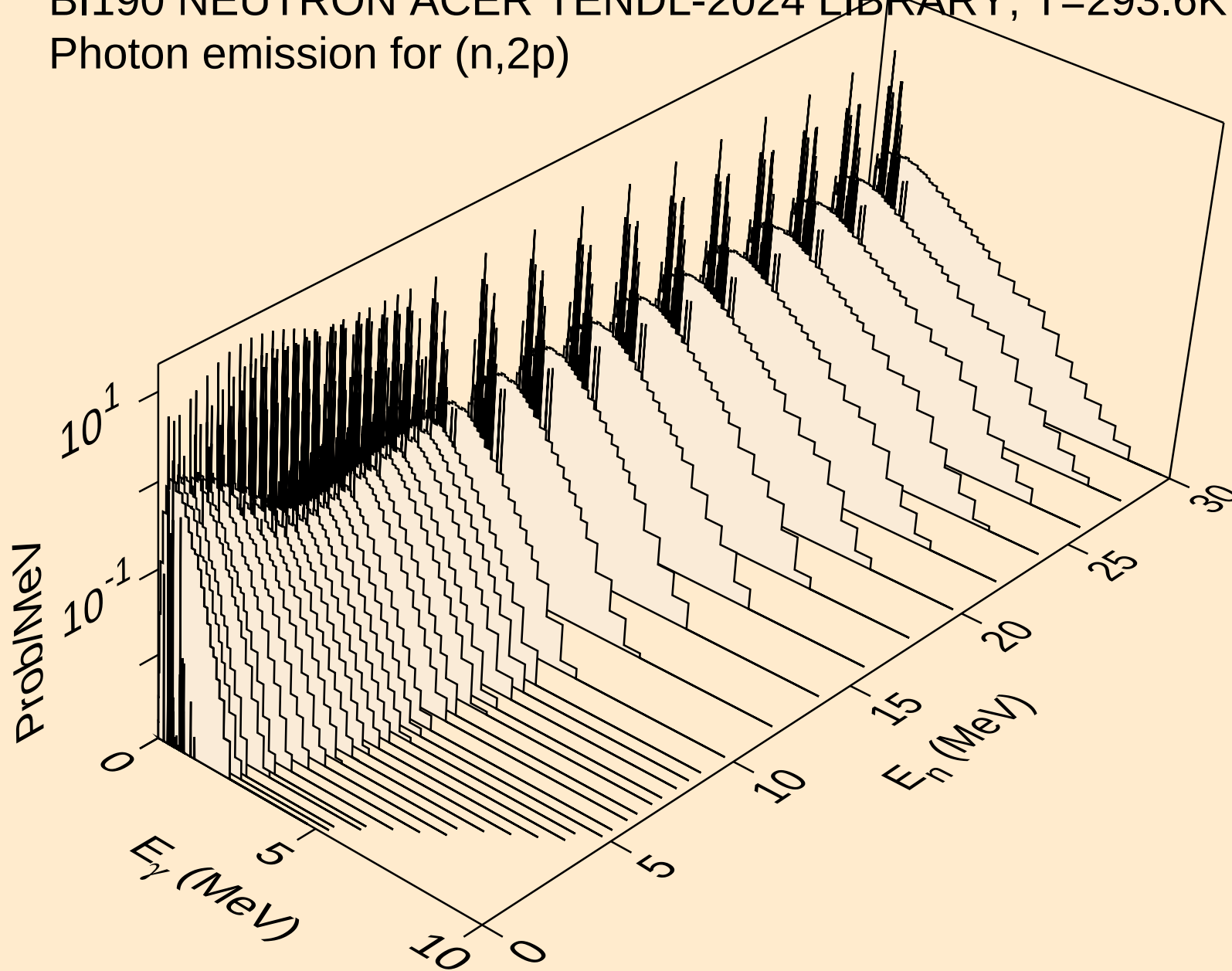
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2a)



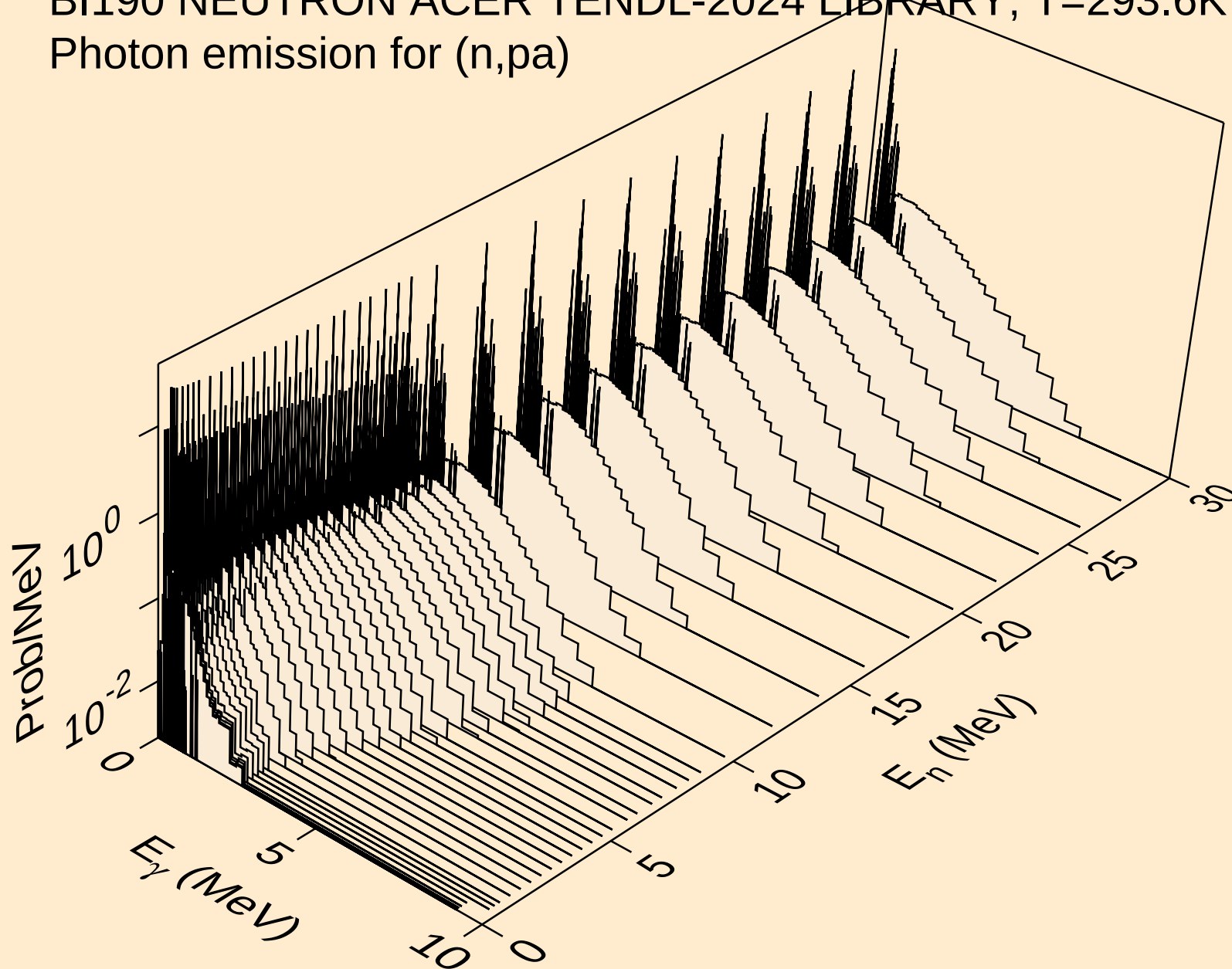
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3a)



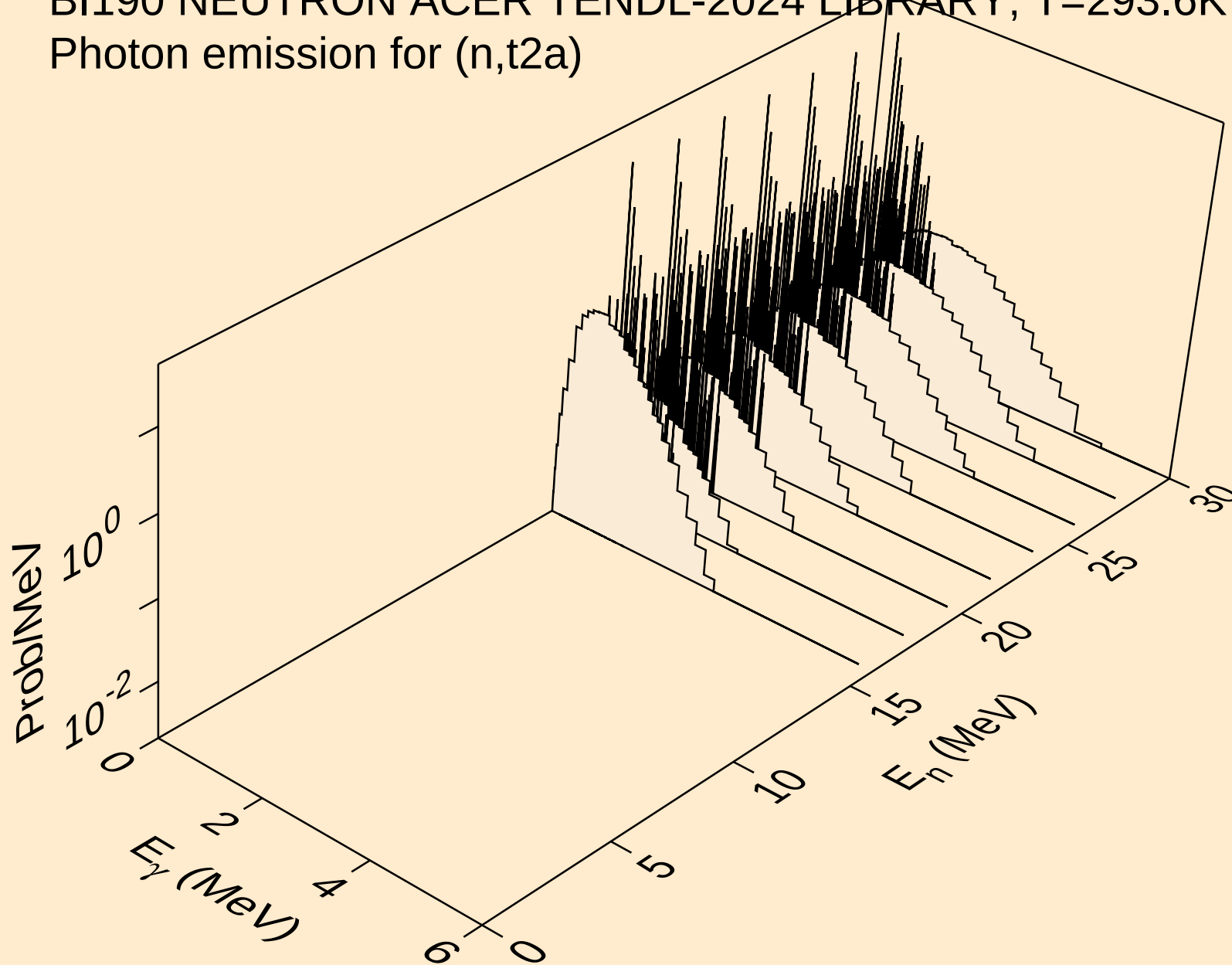
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Photon emission for (n,2p)



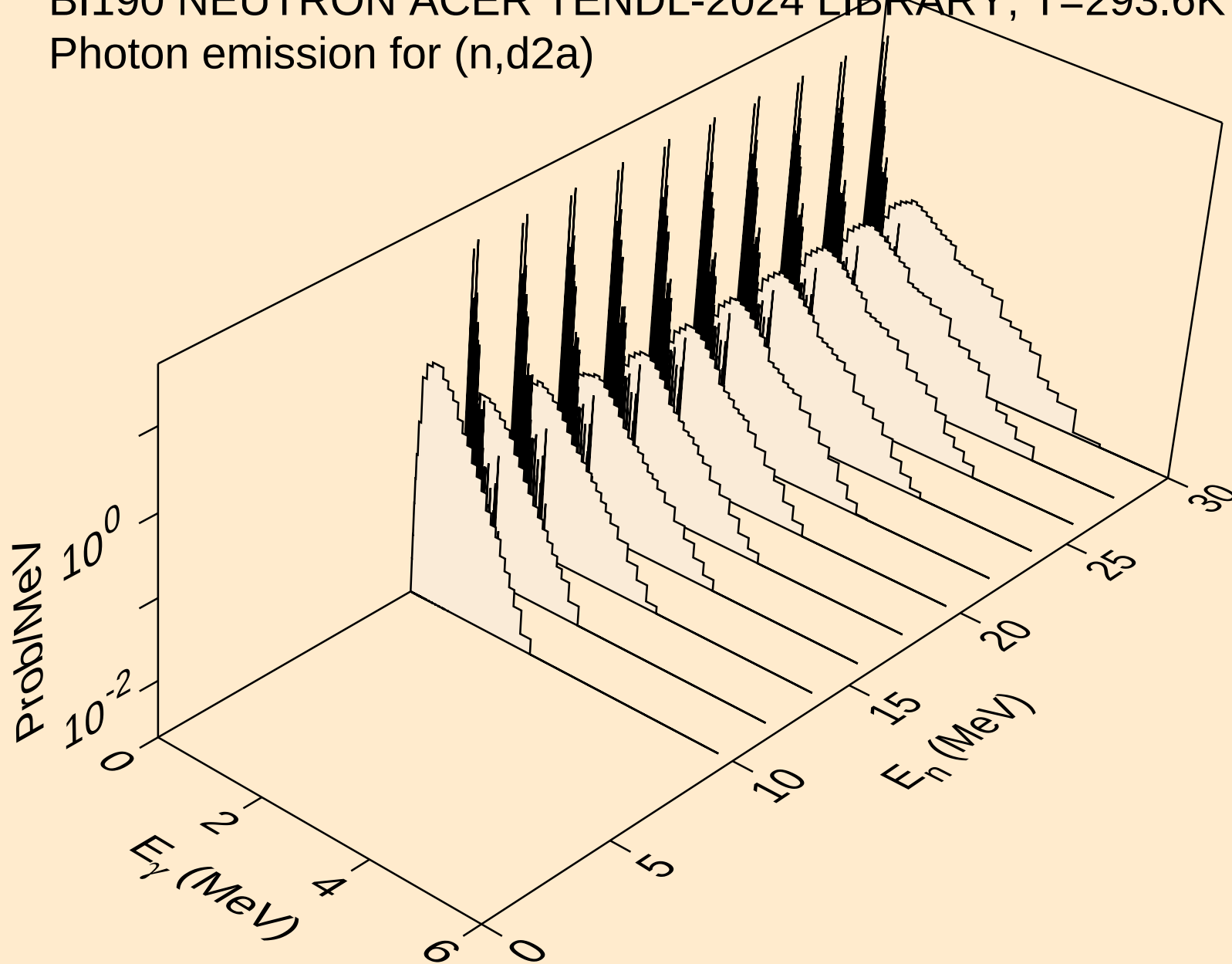
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p α)



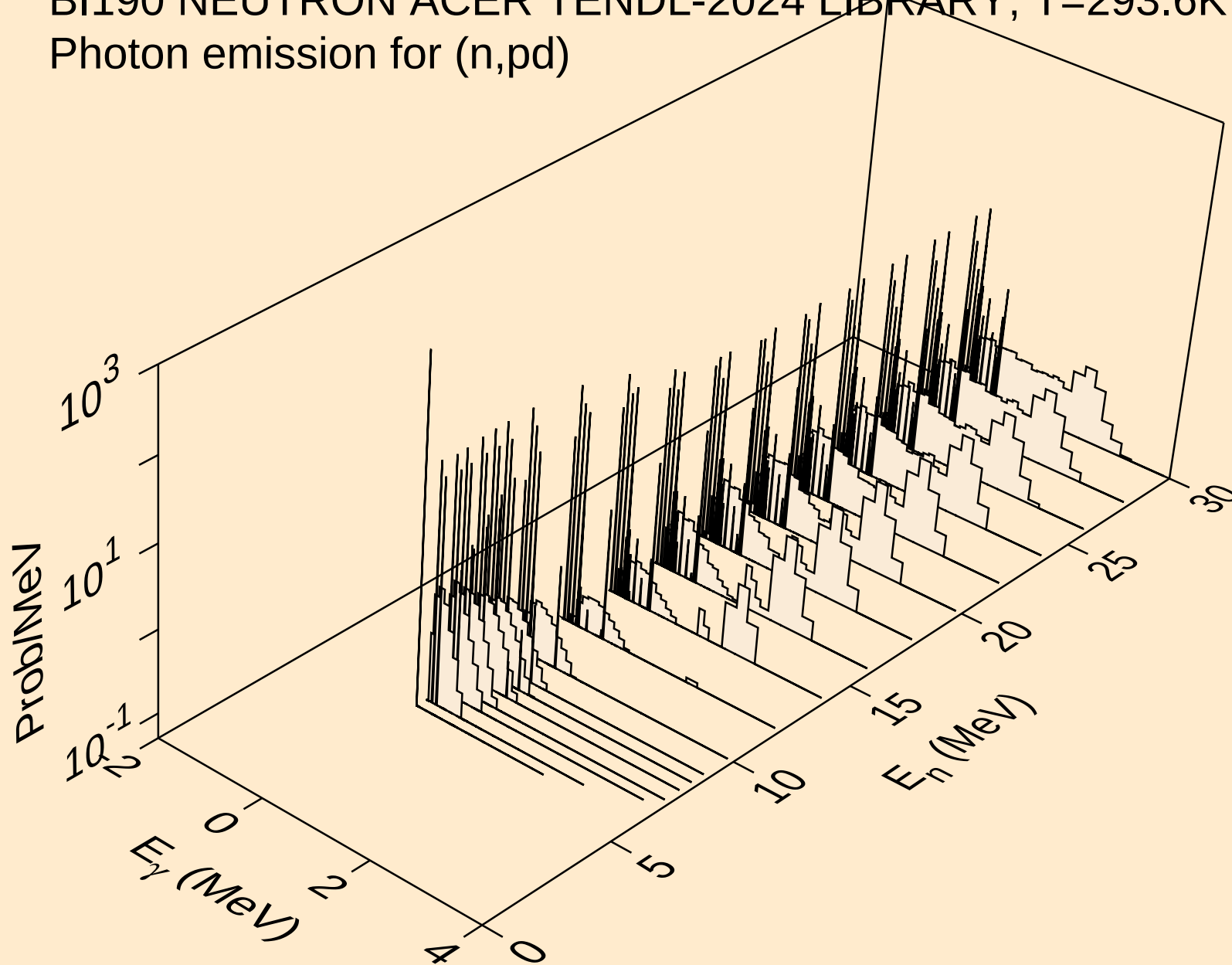
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t2a)



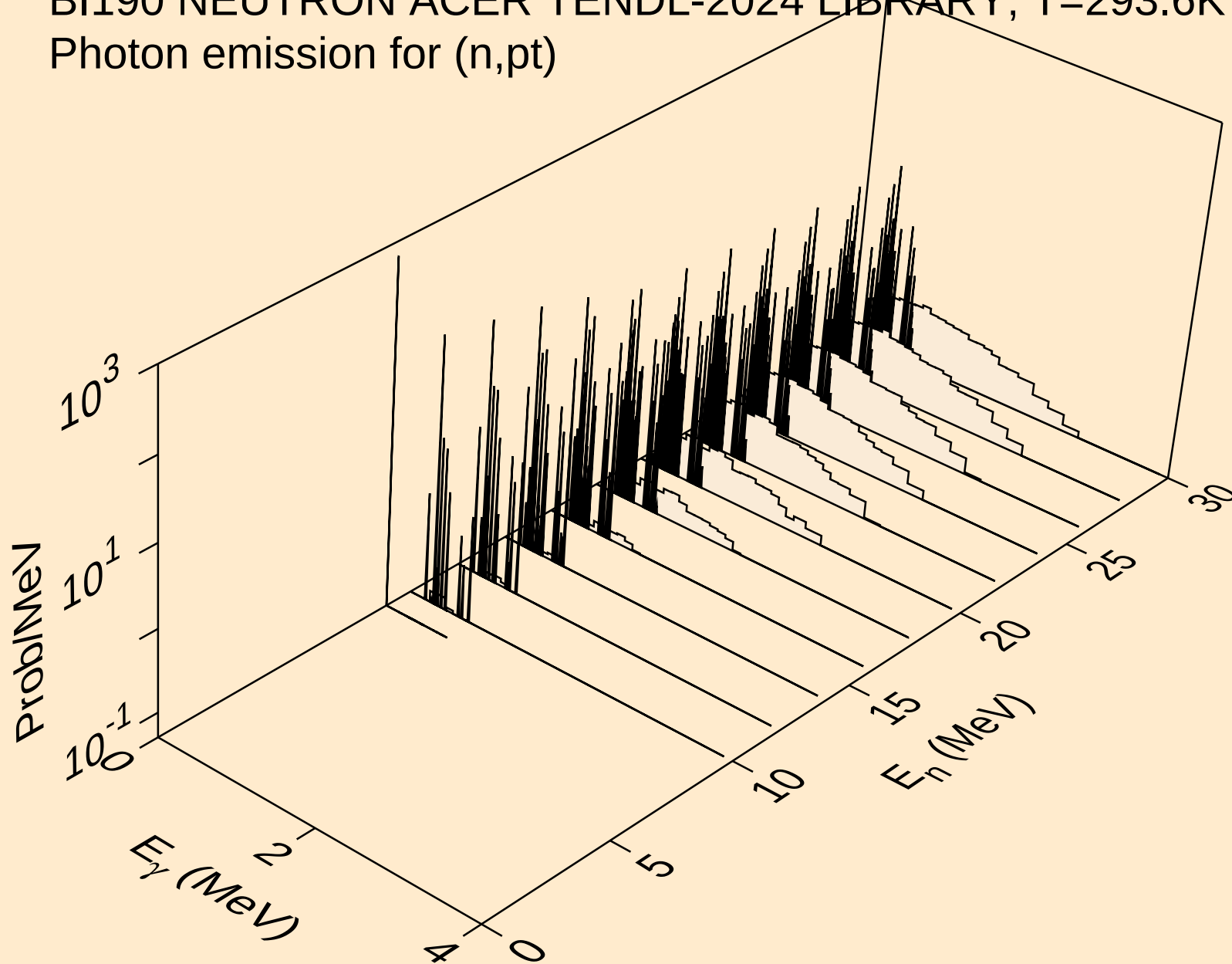
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d2a)



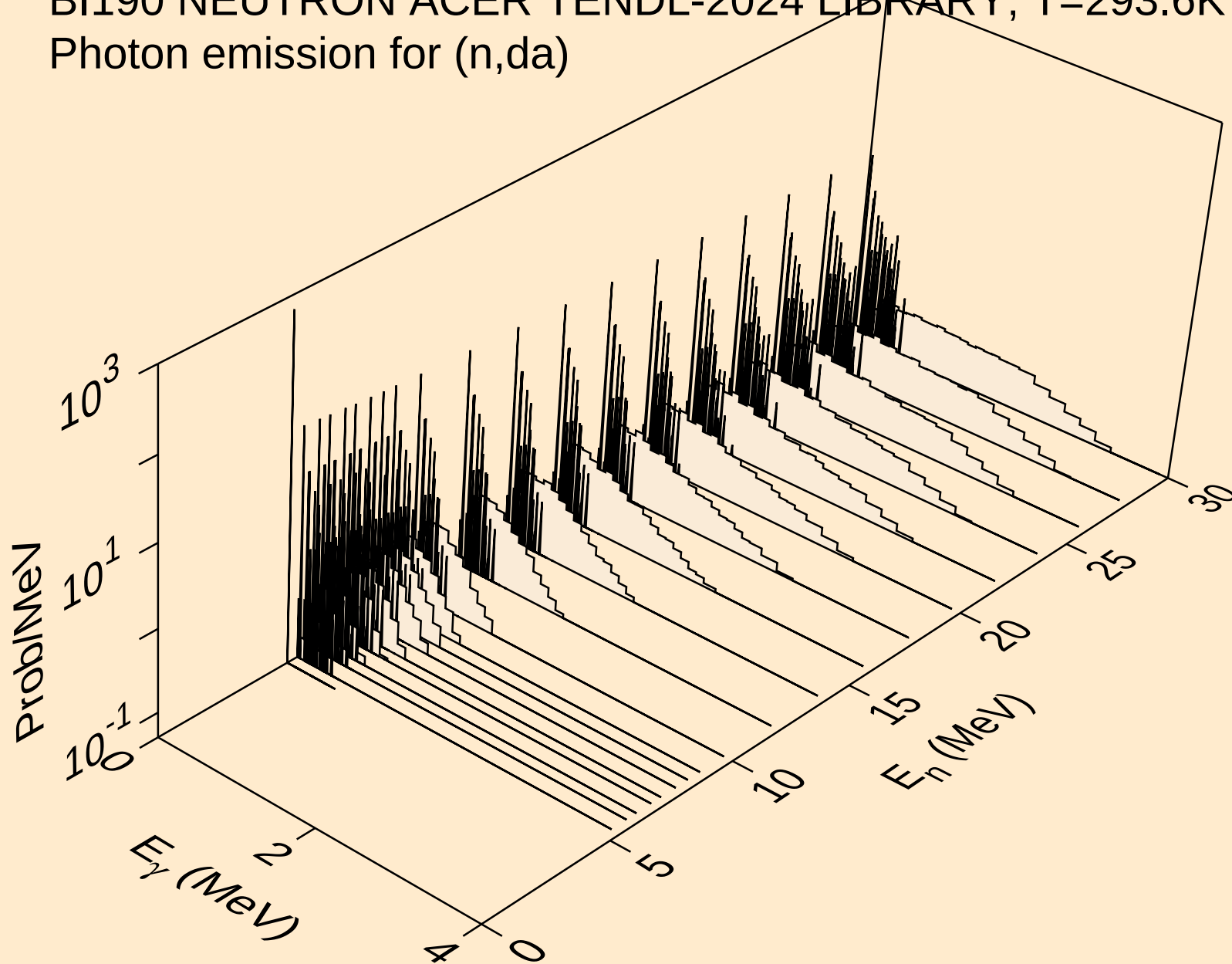
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pd)



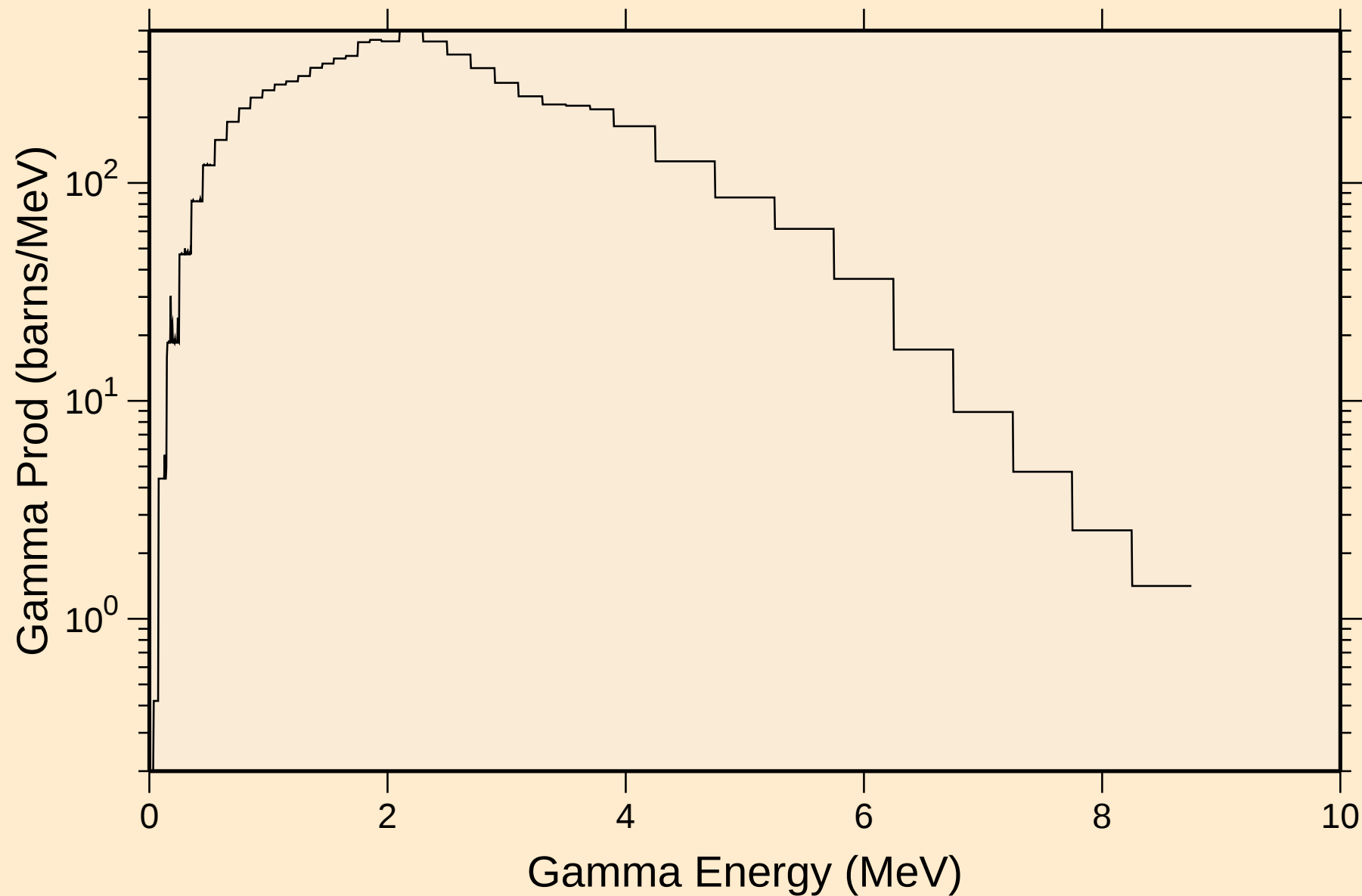
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pt)



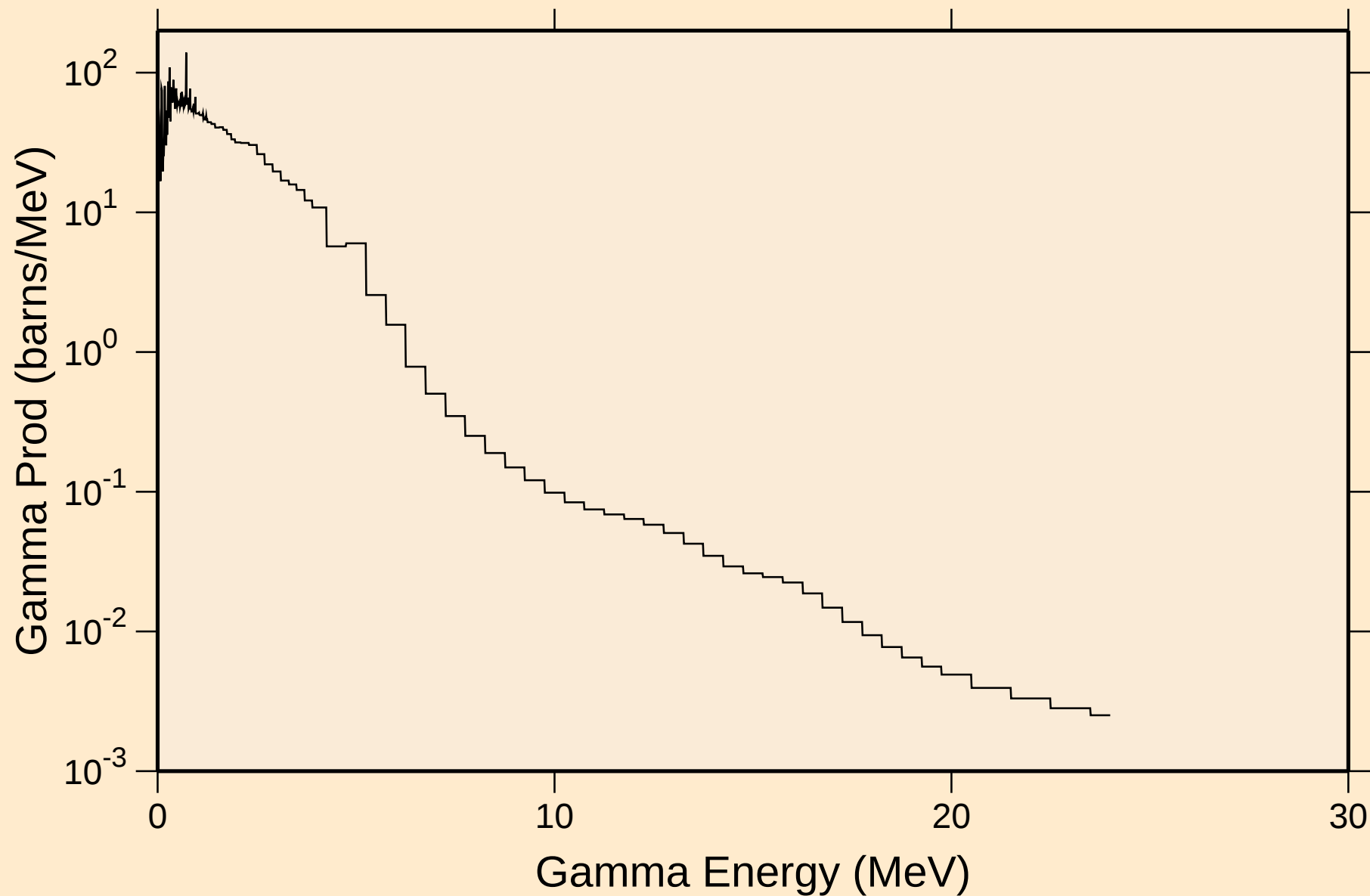
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,da)



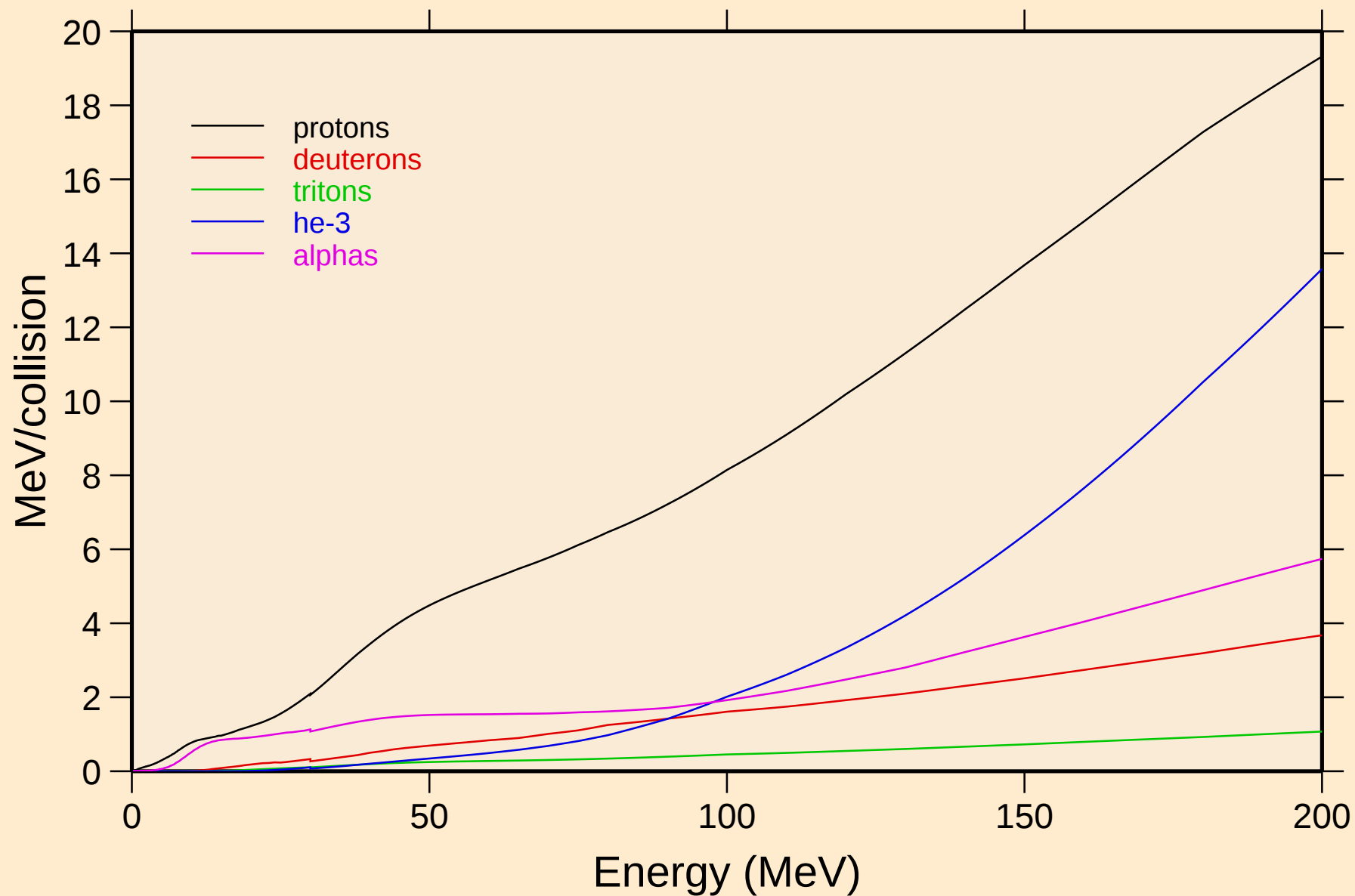
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum



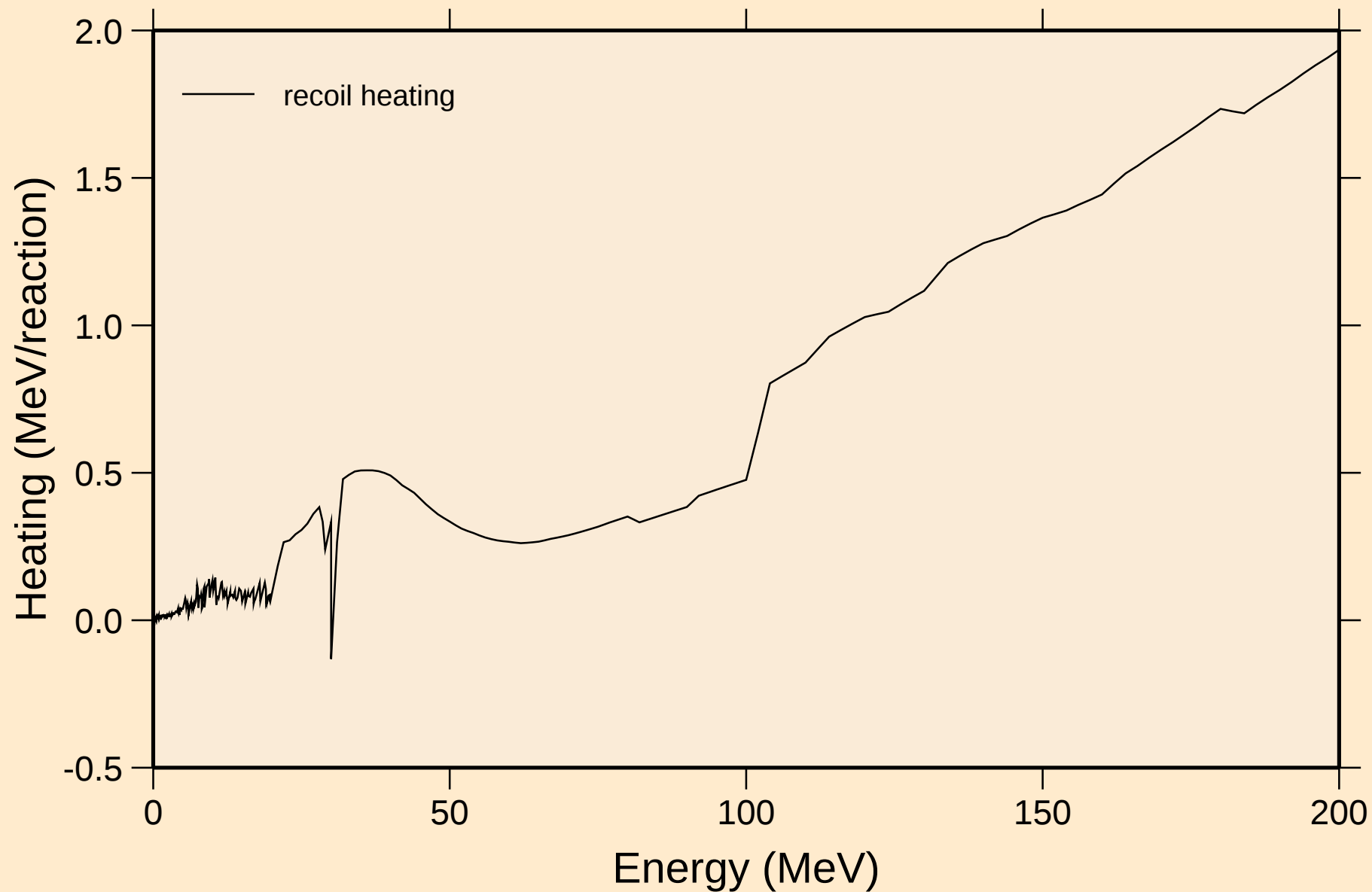
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum



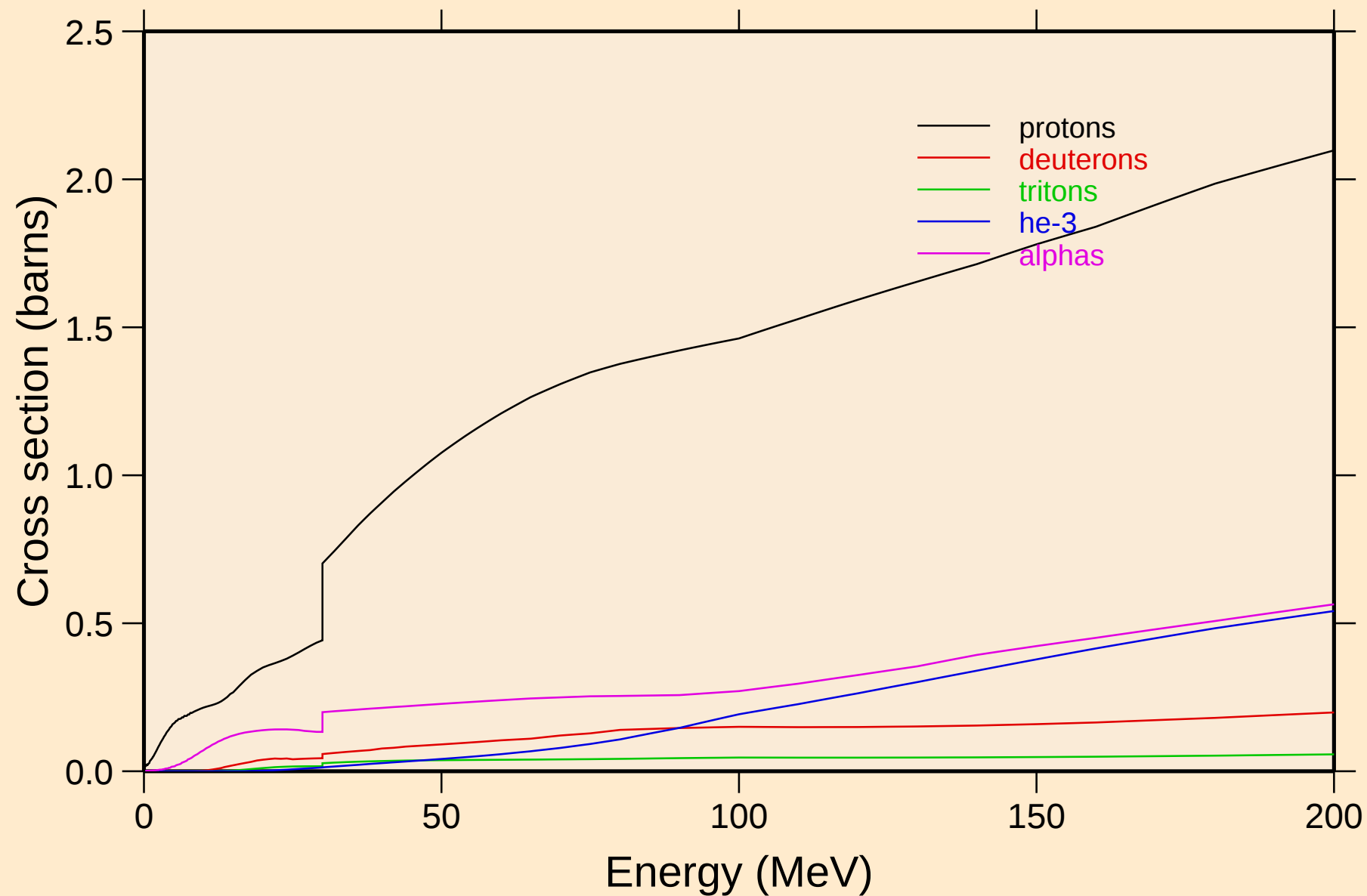
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle heating contributions



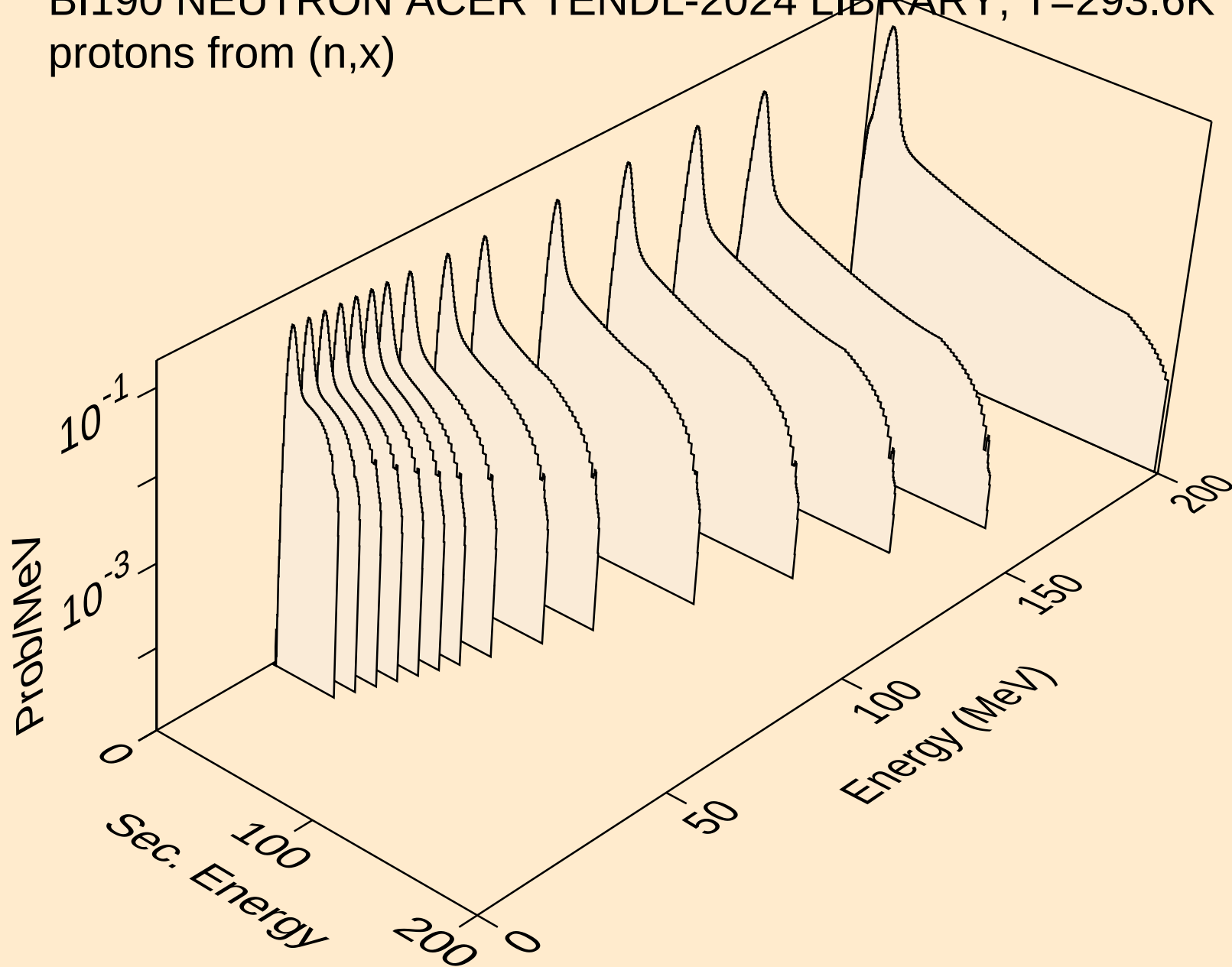
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Recoil Heating



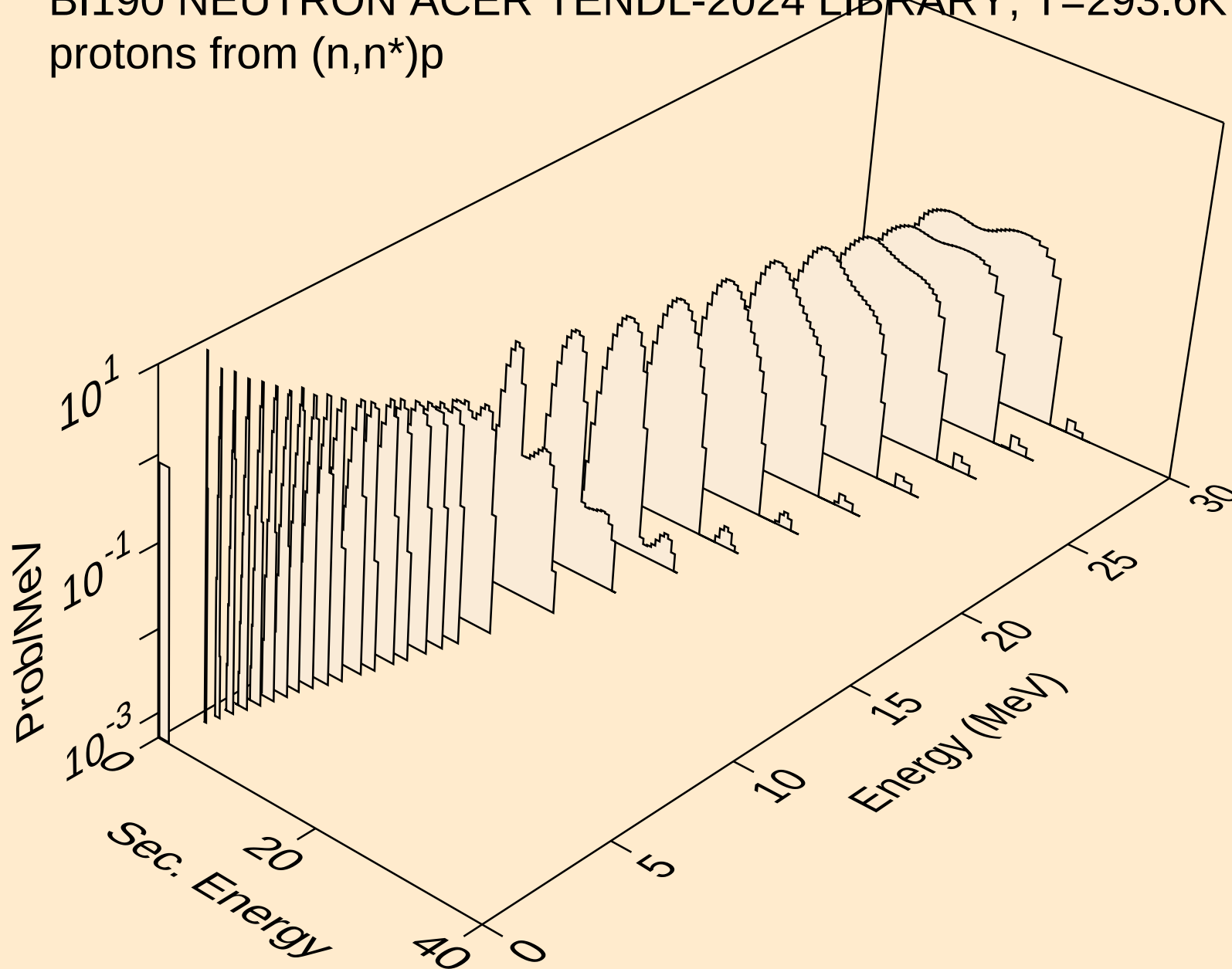
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle production cross sections



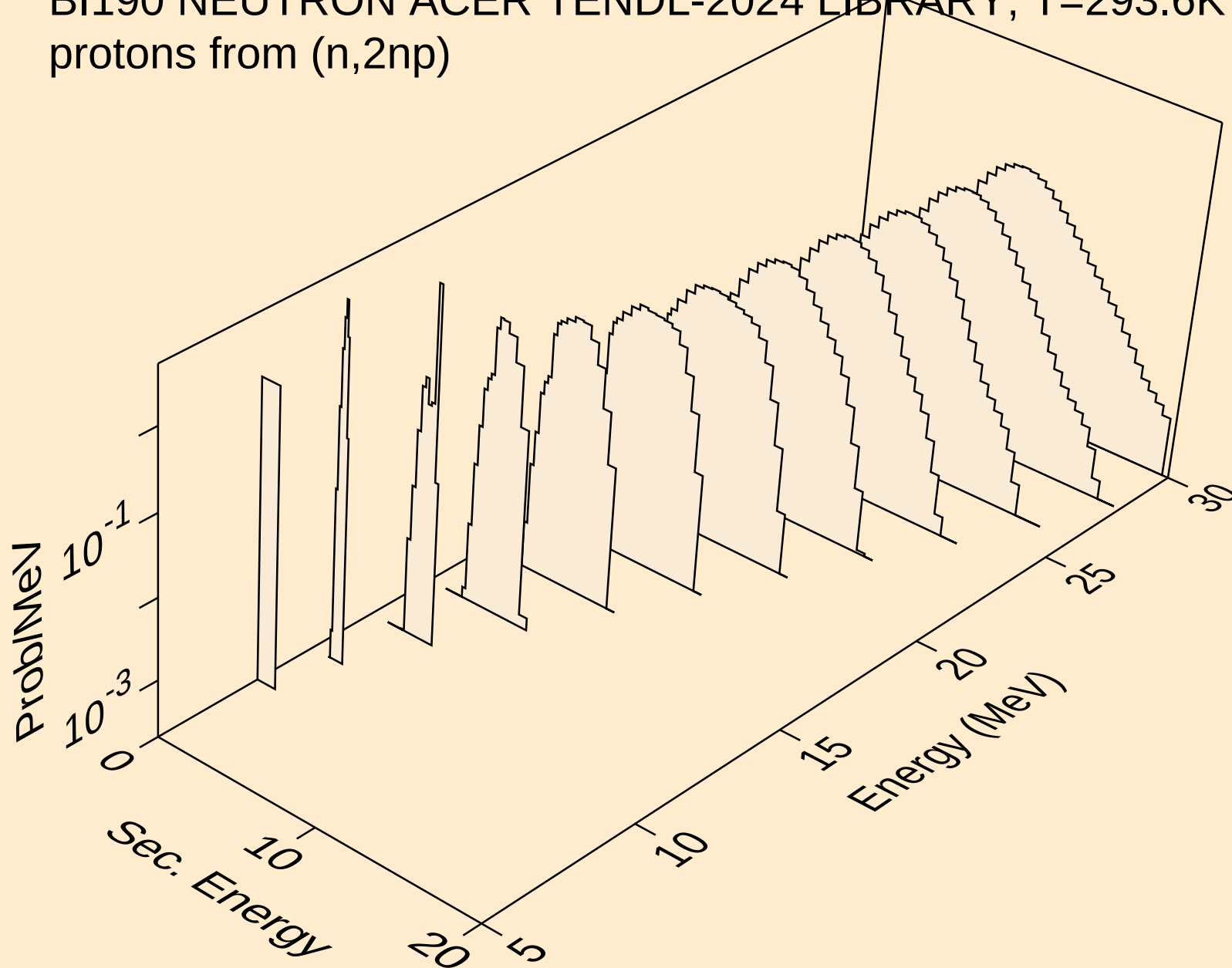
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)



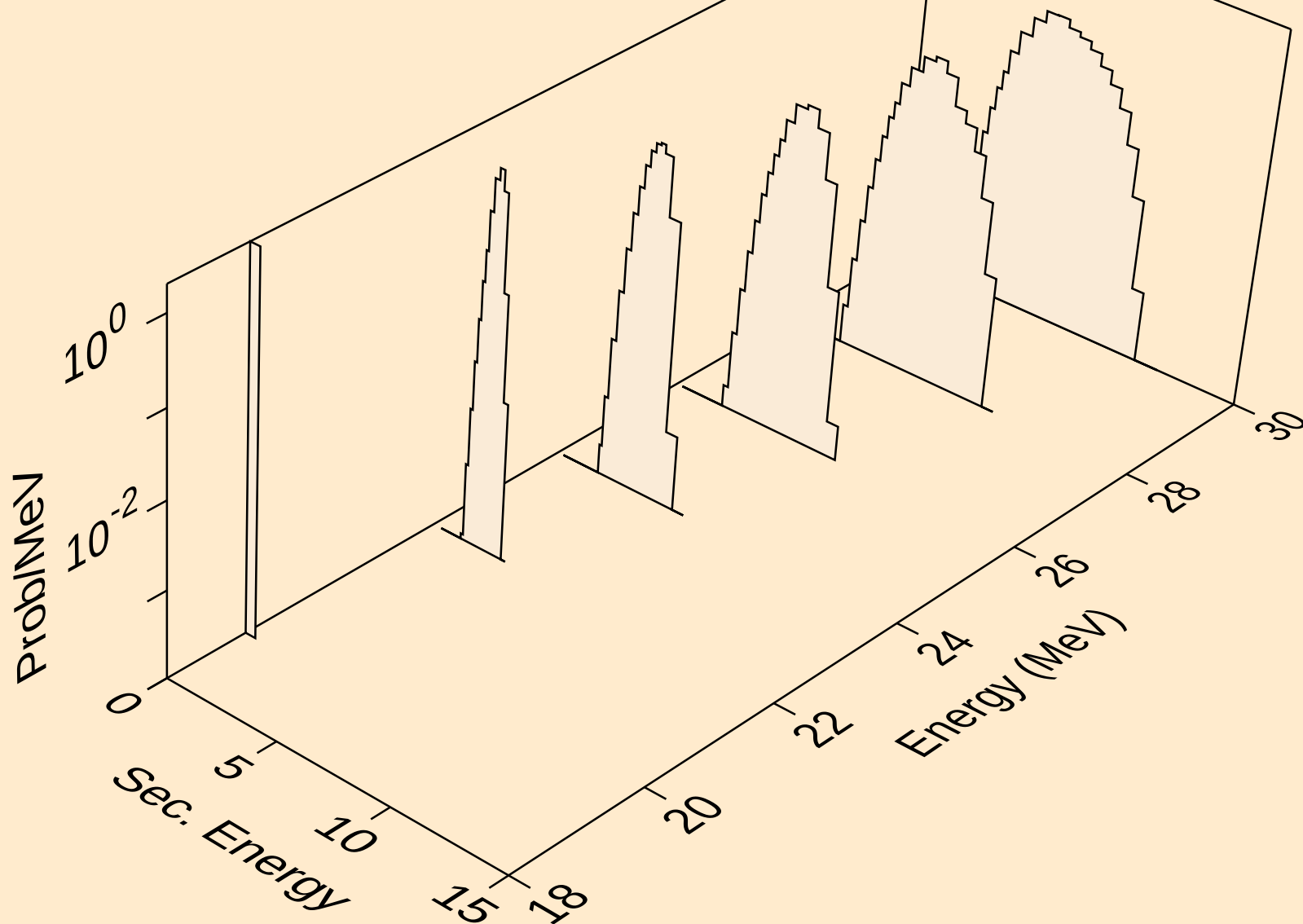
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p



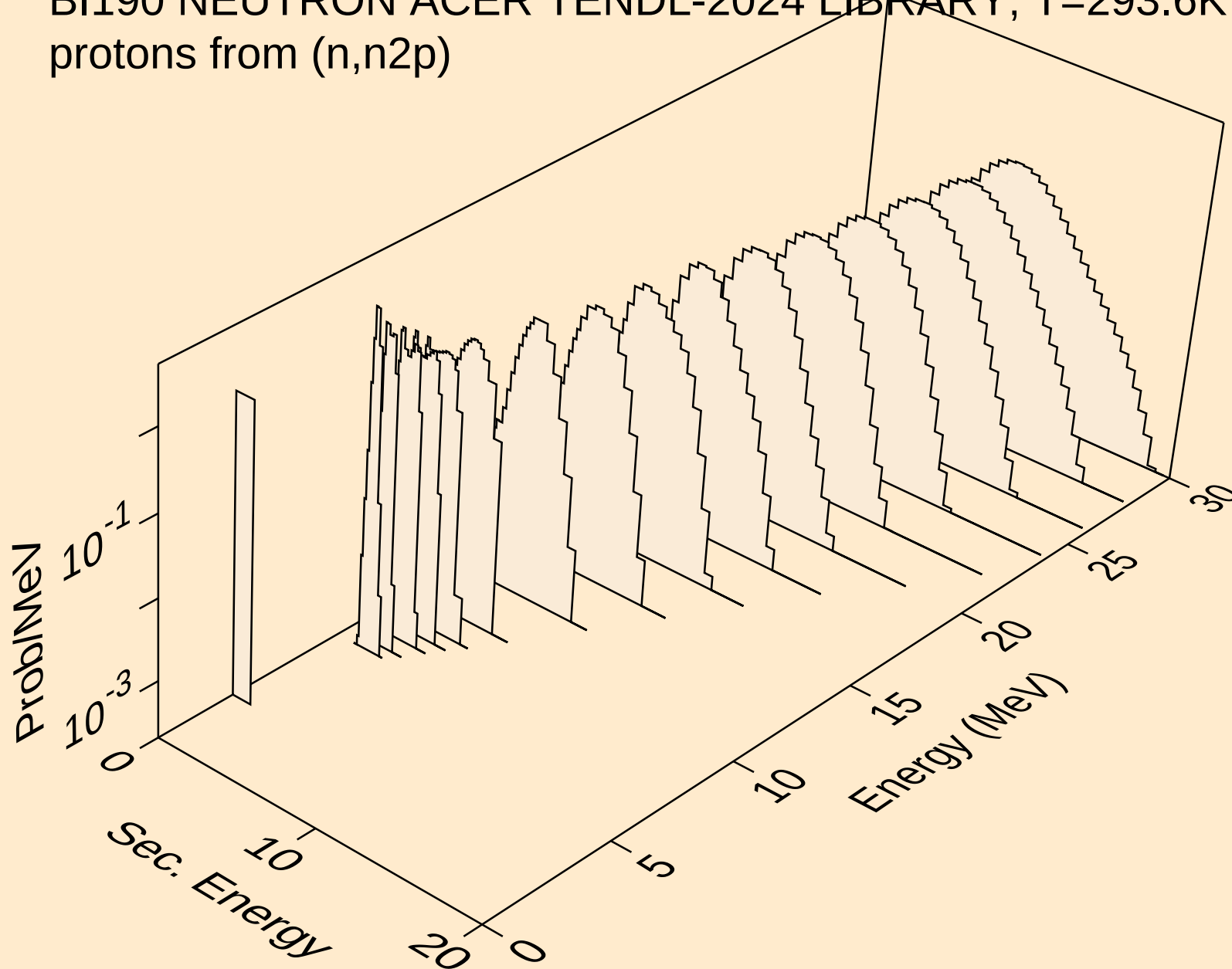
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protons from (n,2np)



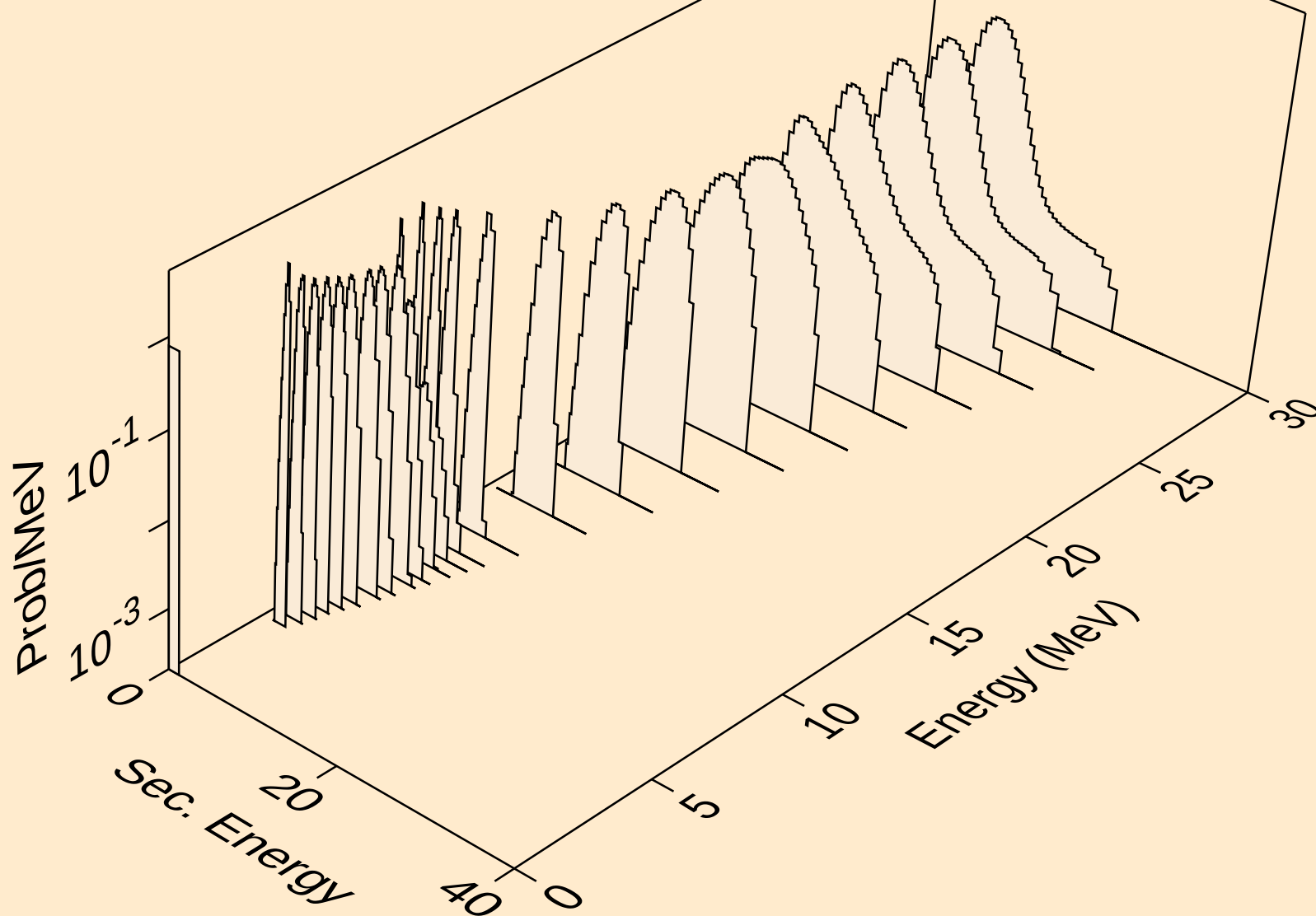
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protons from (n,3np)



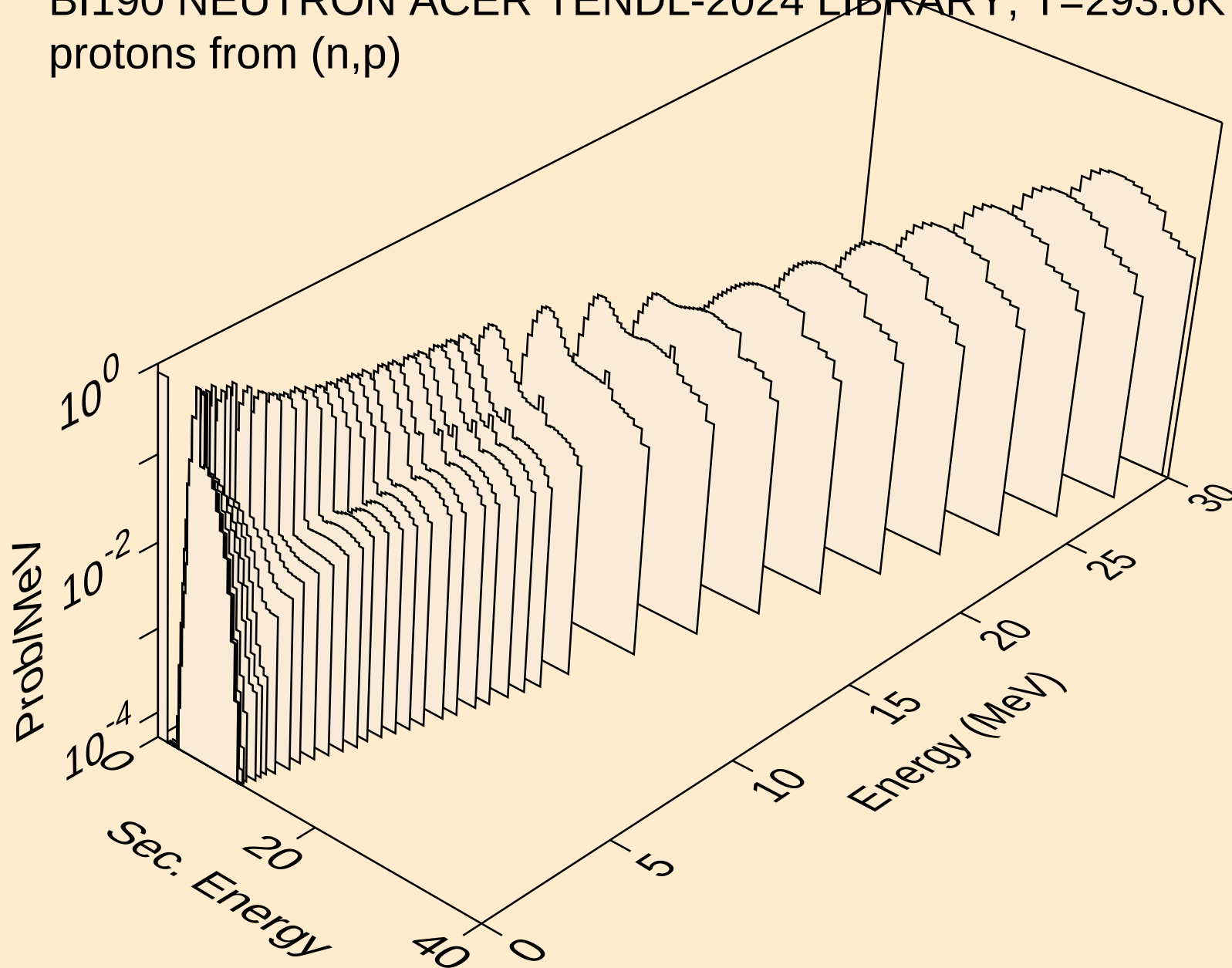
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protons from (n,n2p)



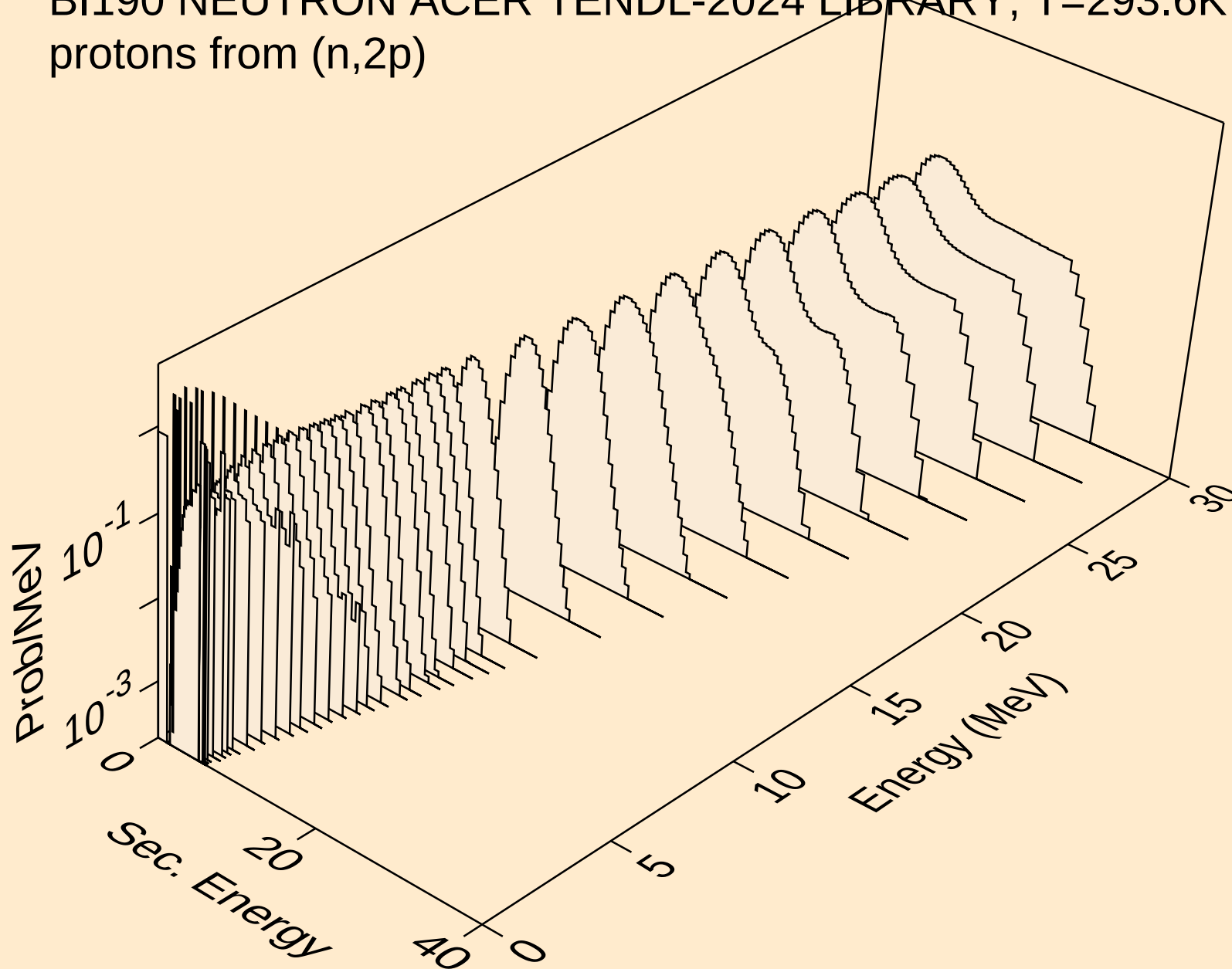
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protons from (n,npa)



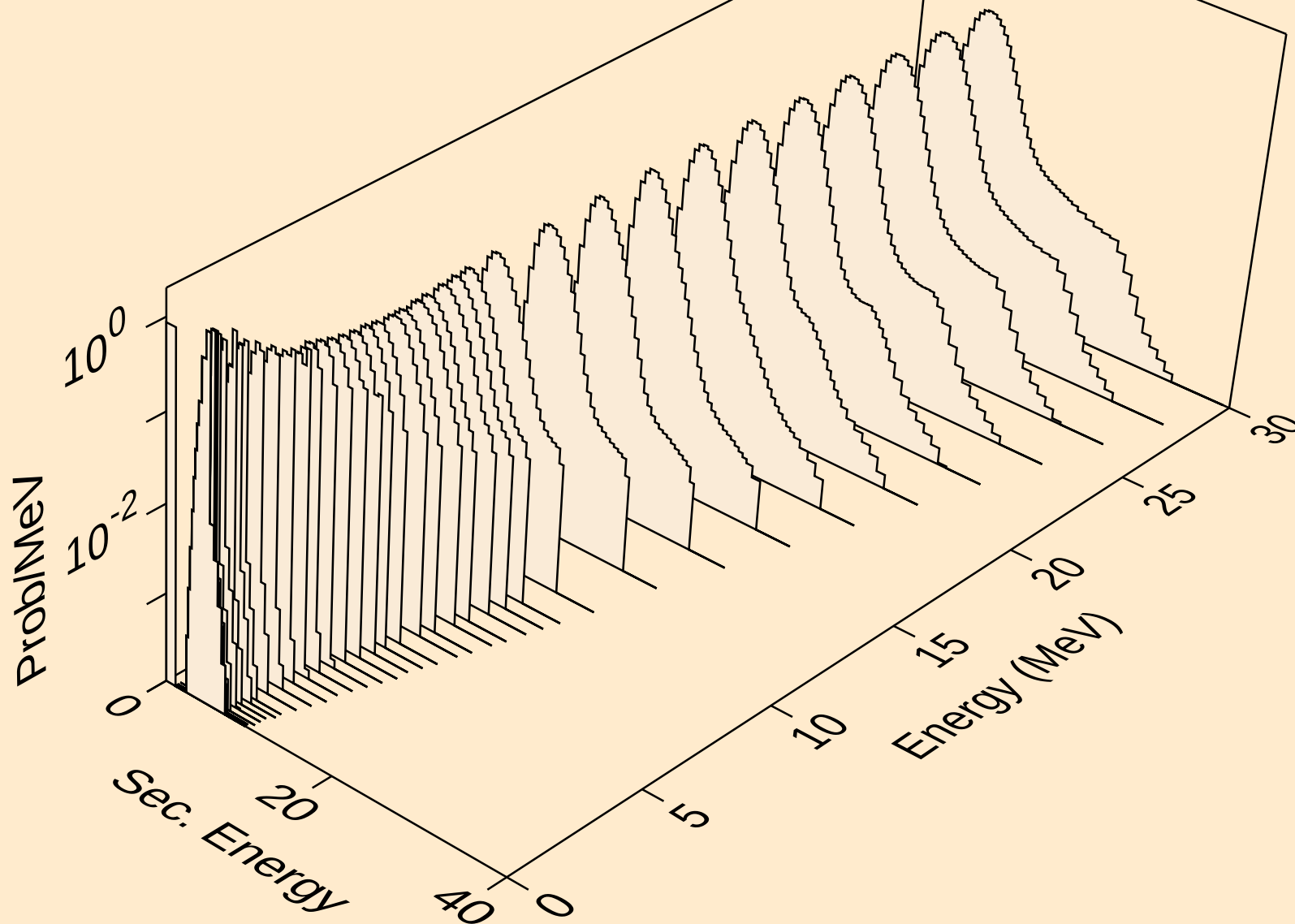
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protons from (n,p)



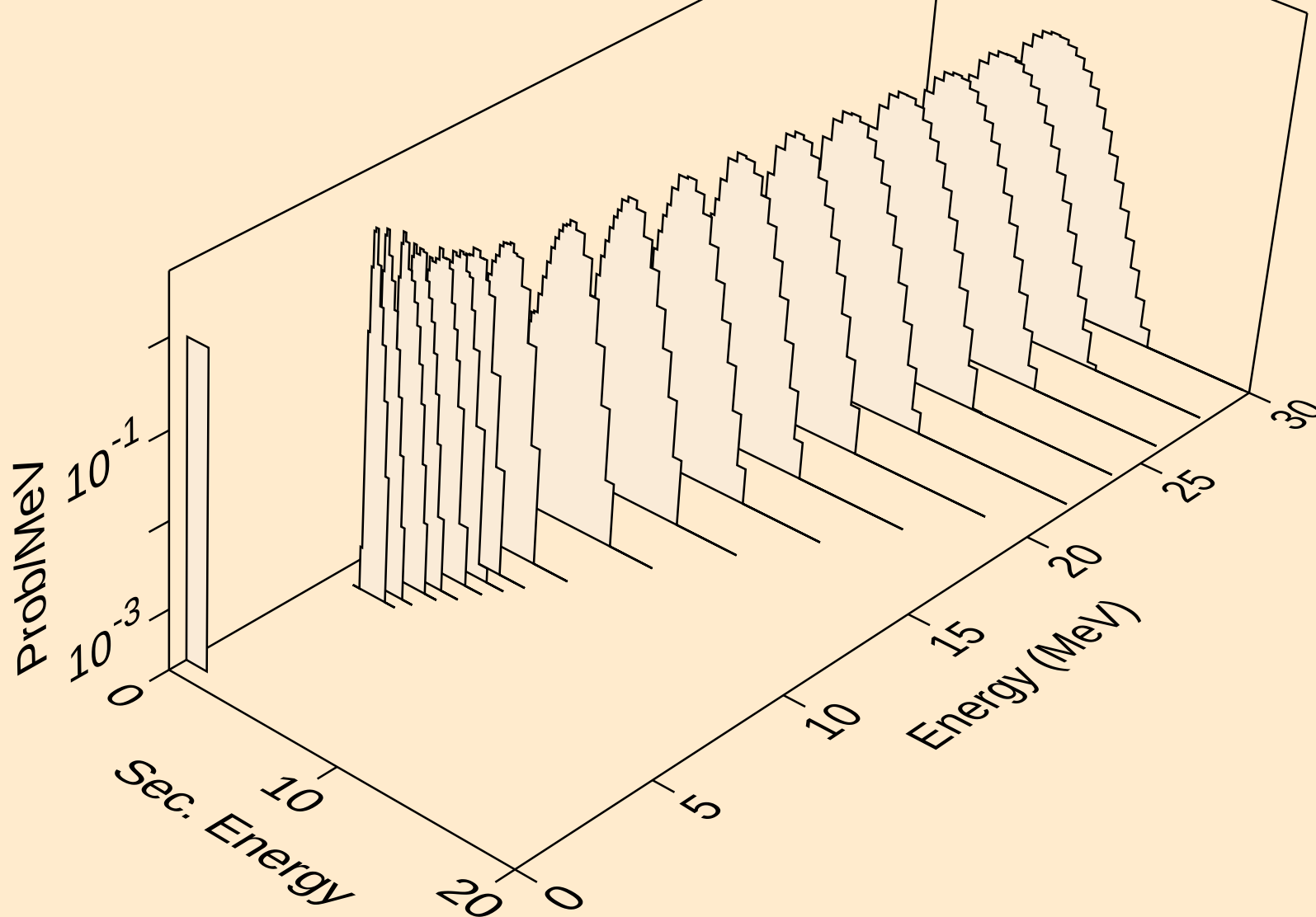
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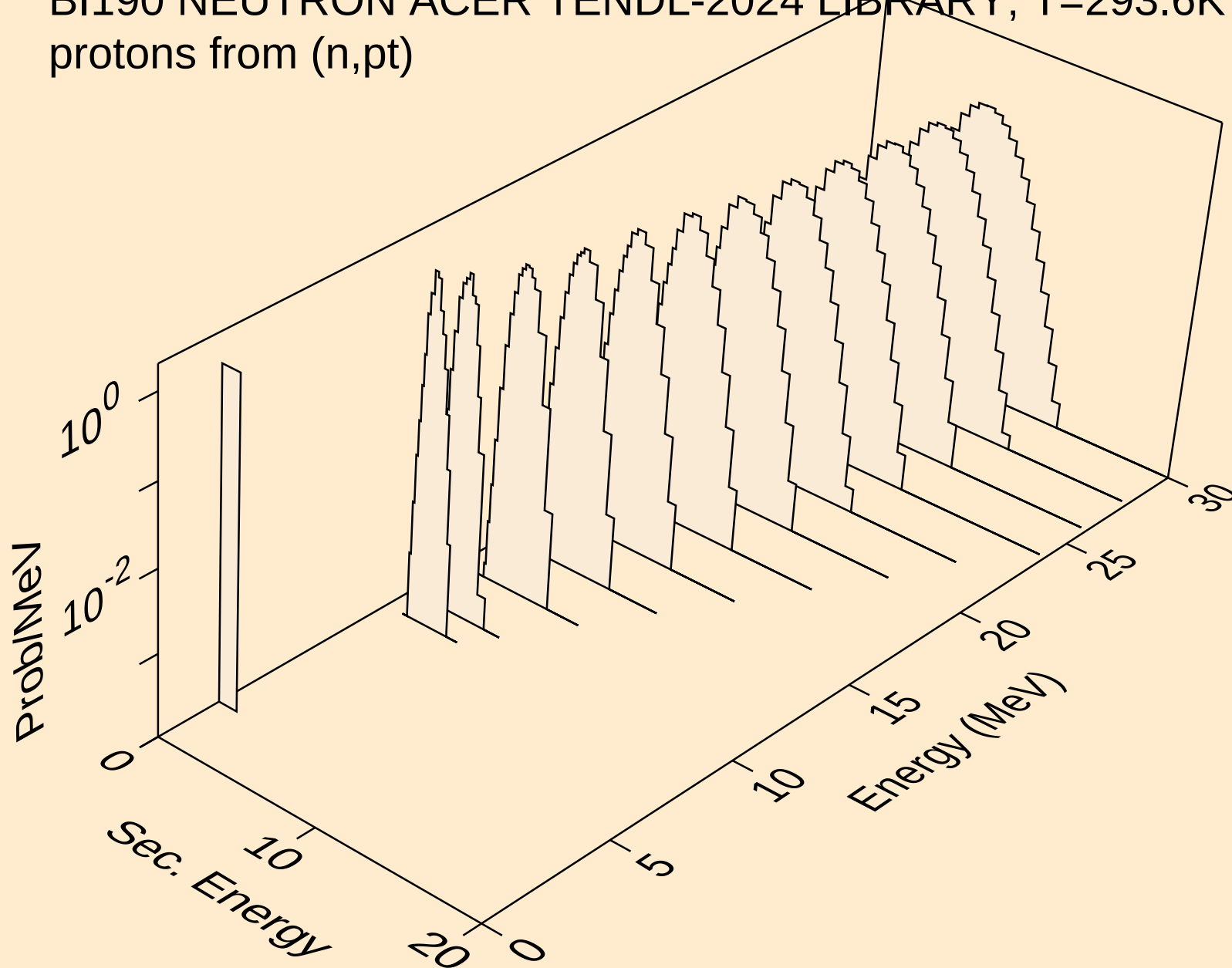
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protons from (n,p)



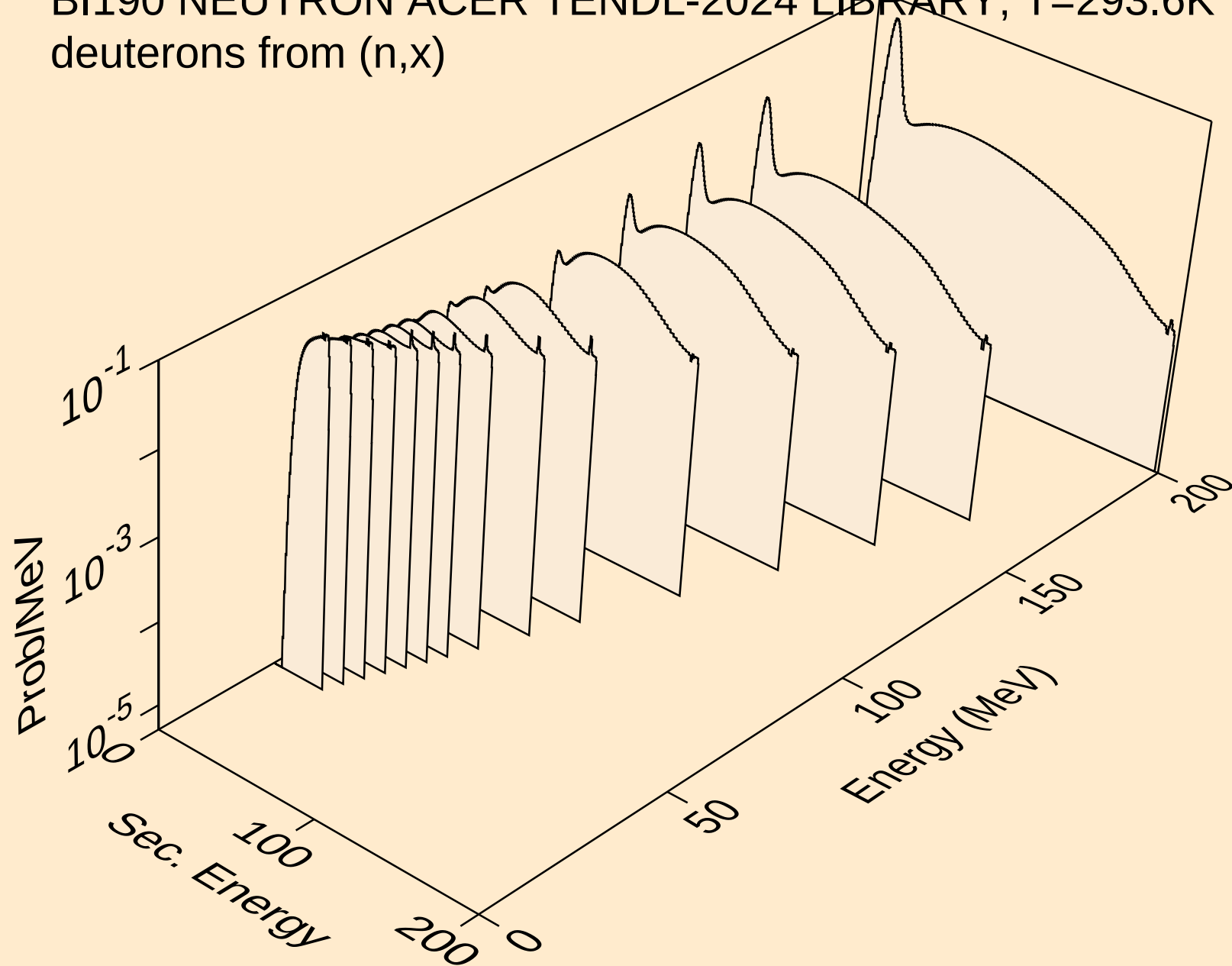
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protons from (n,pd)



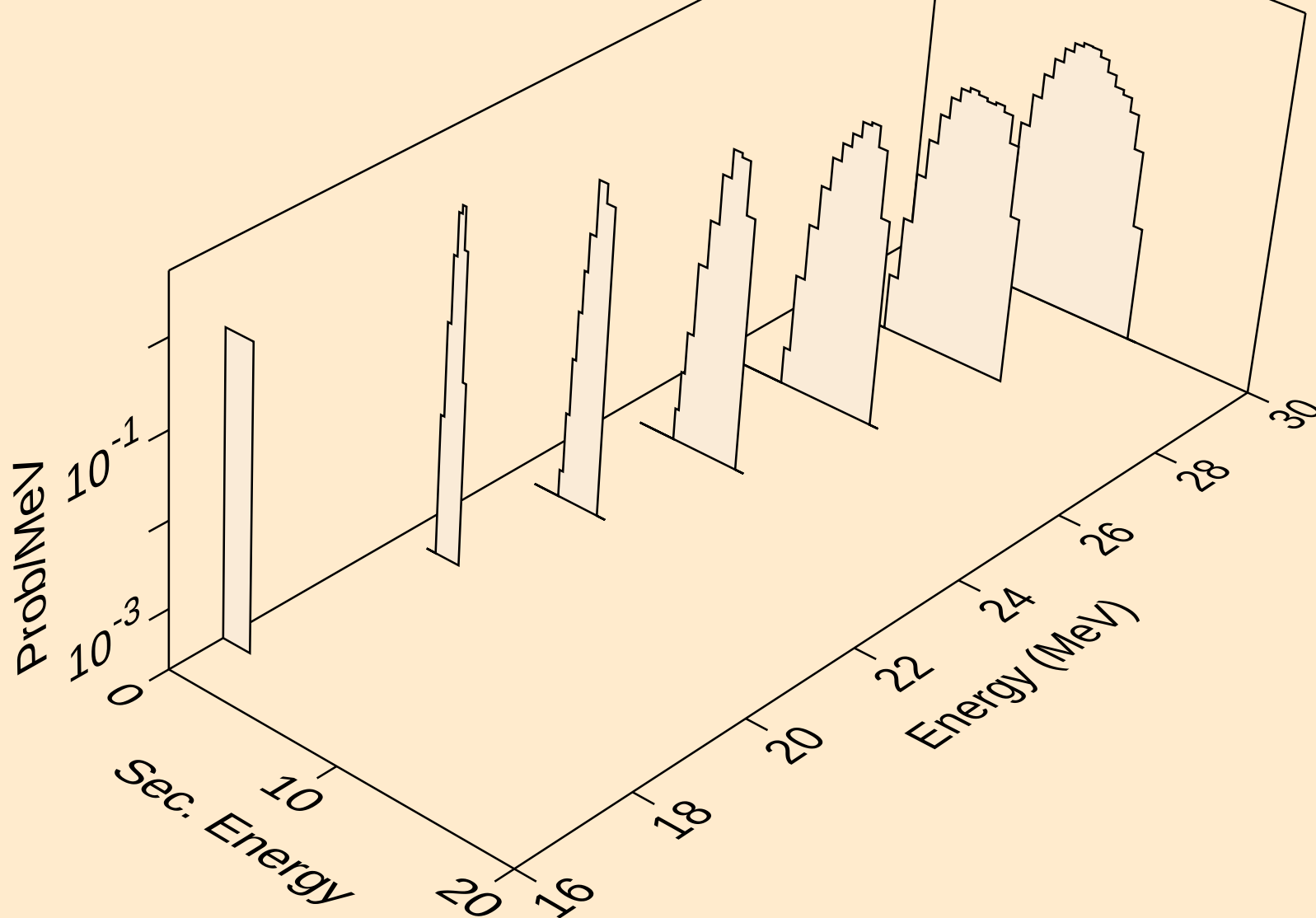
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protons from (n,pt)



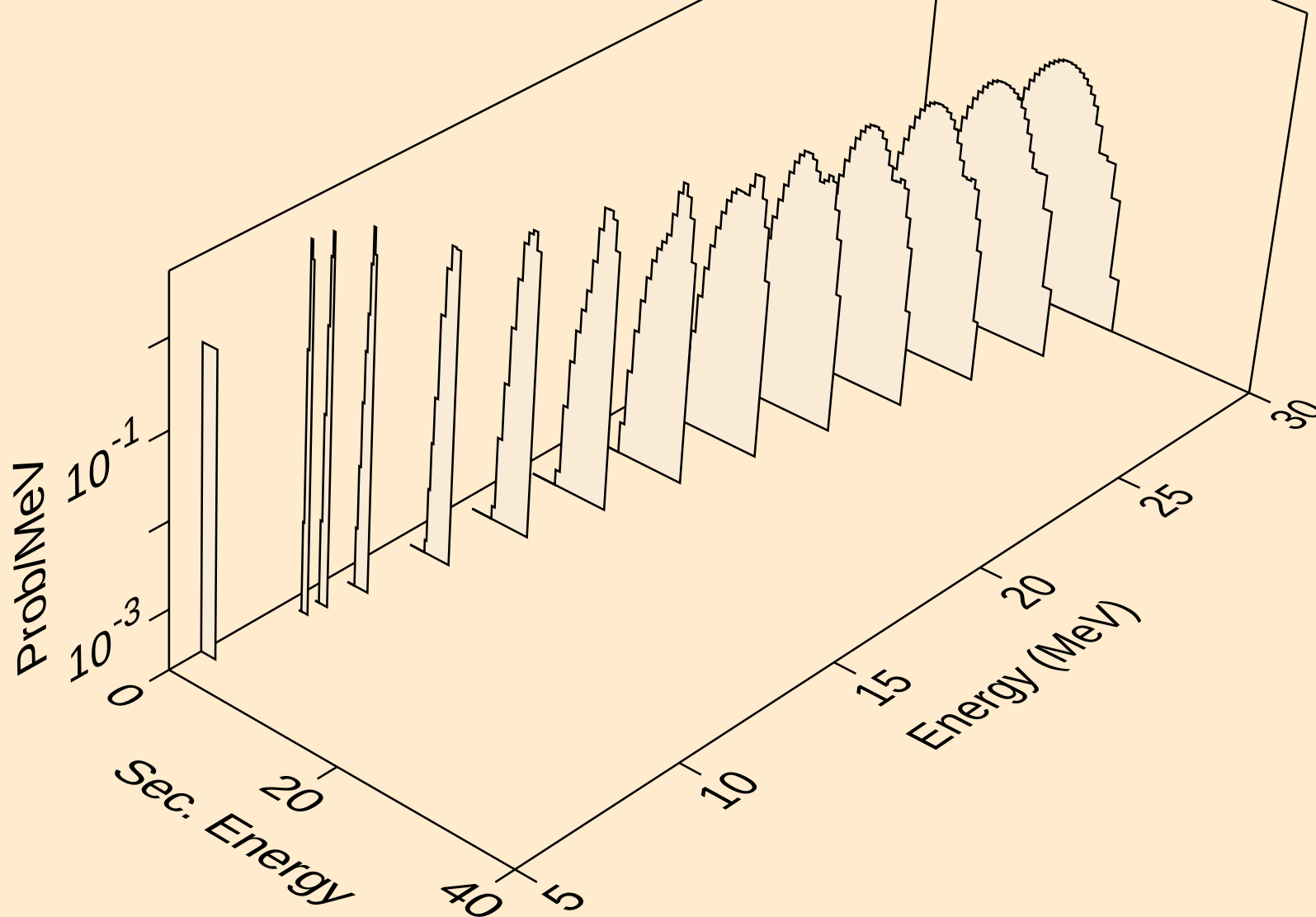
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,x)



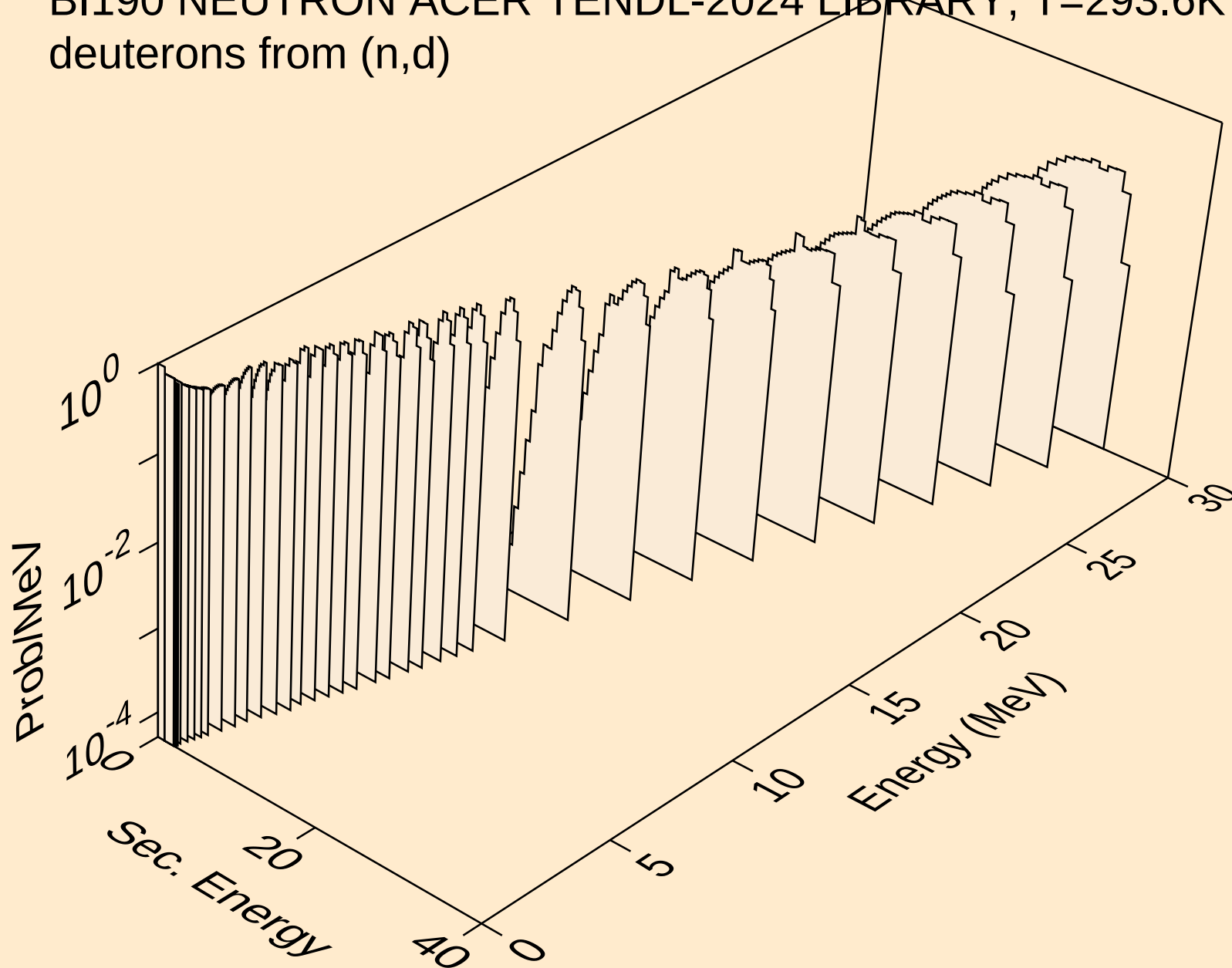
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deuterons from (n,2nd)



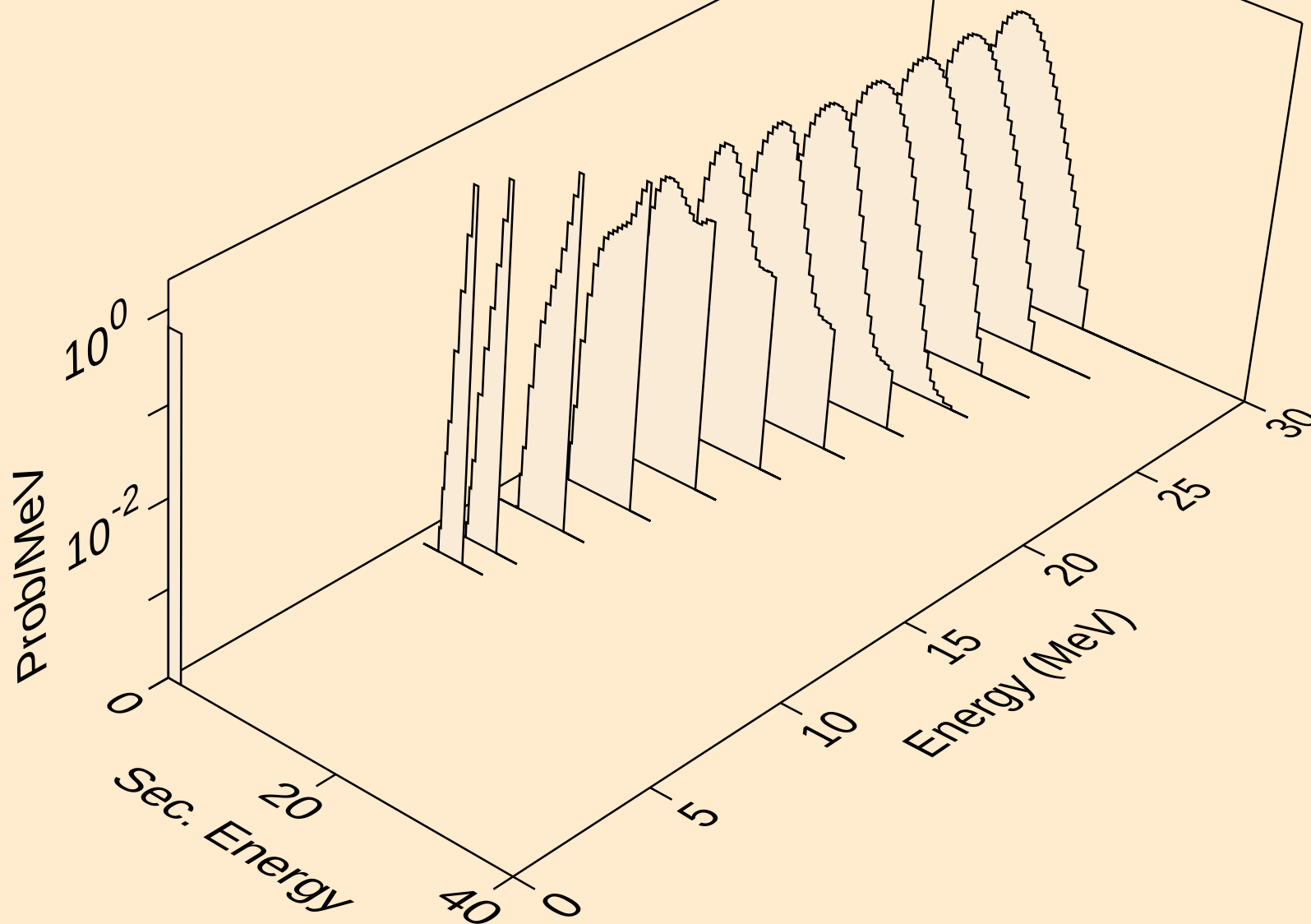
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d



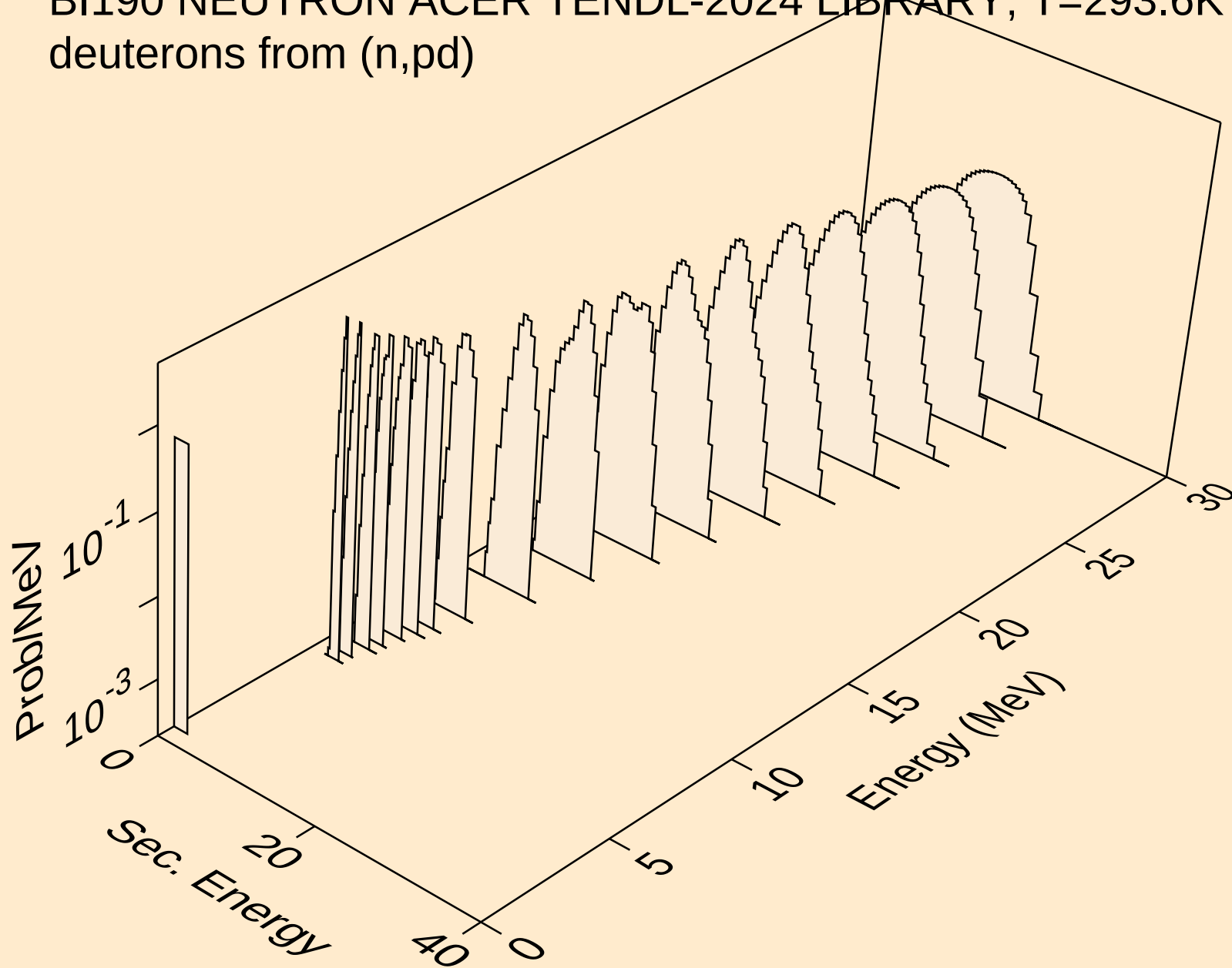
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,d)



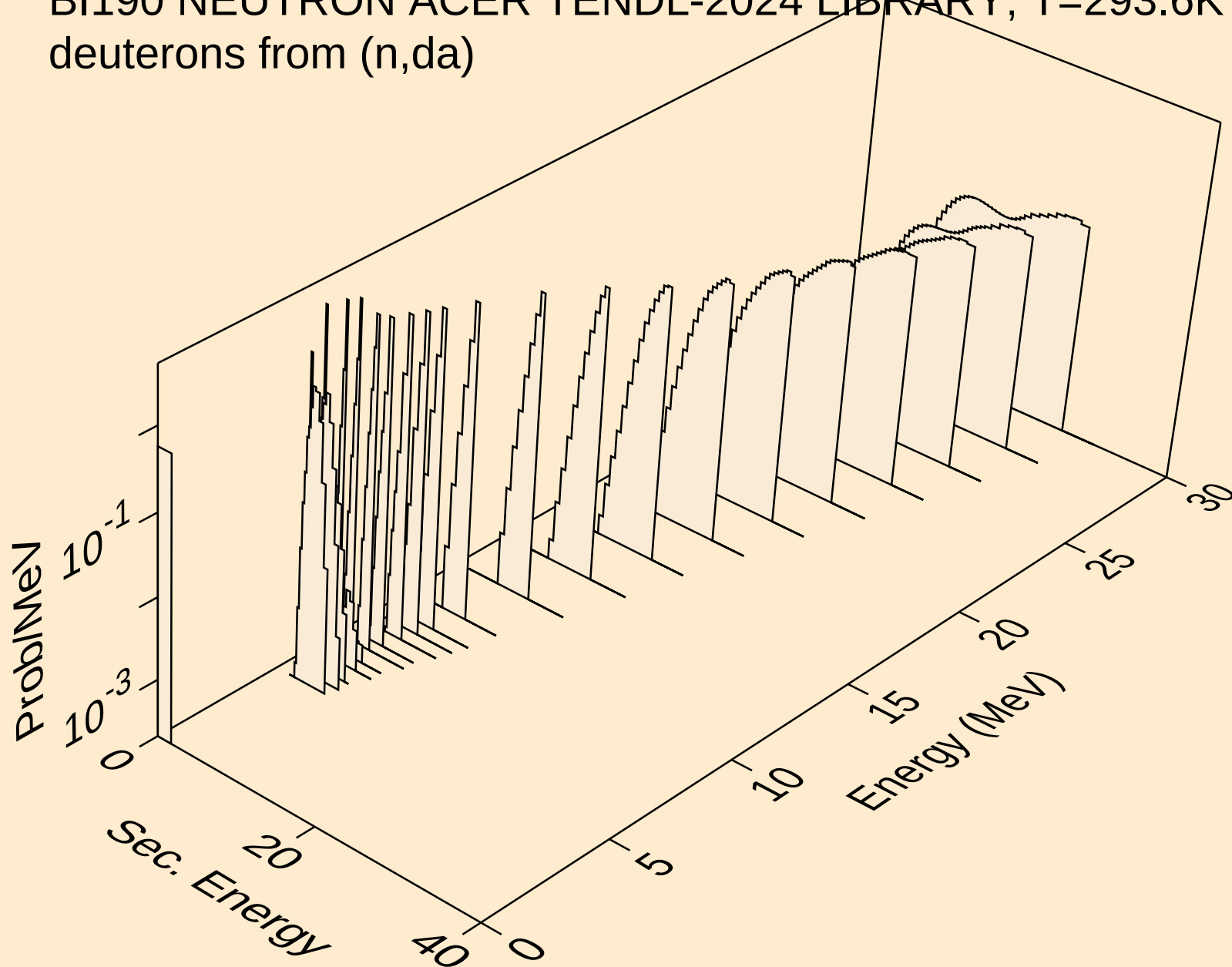
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,d2a)



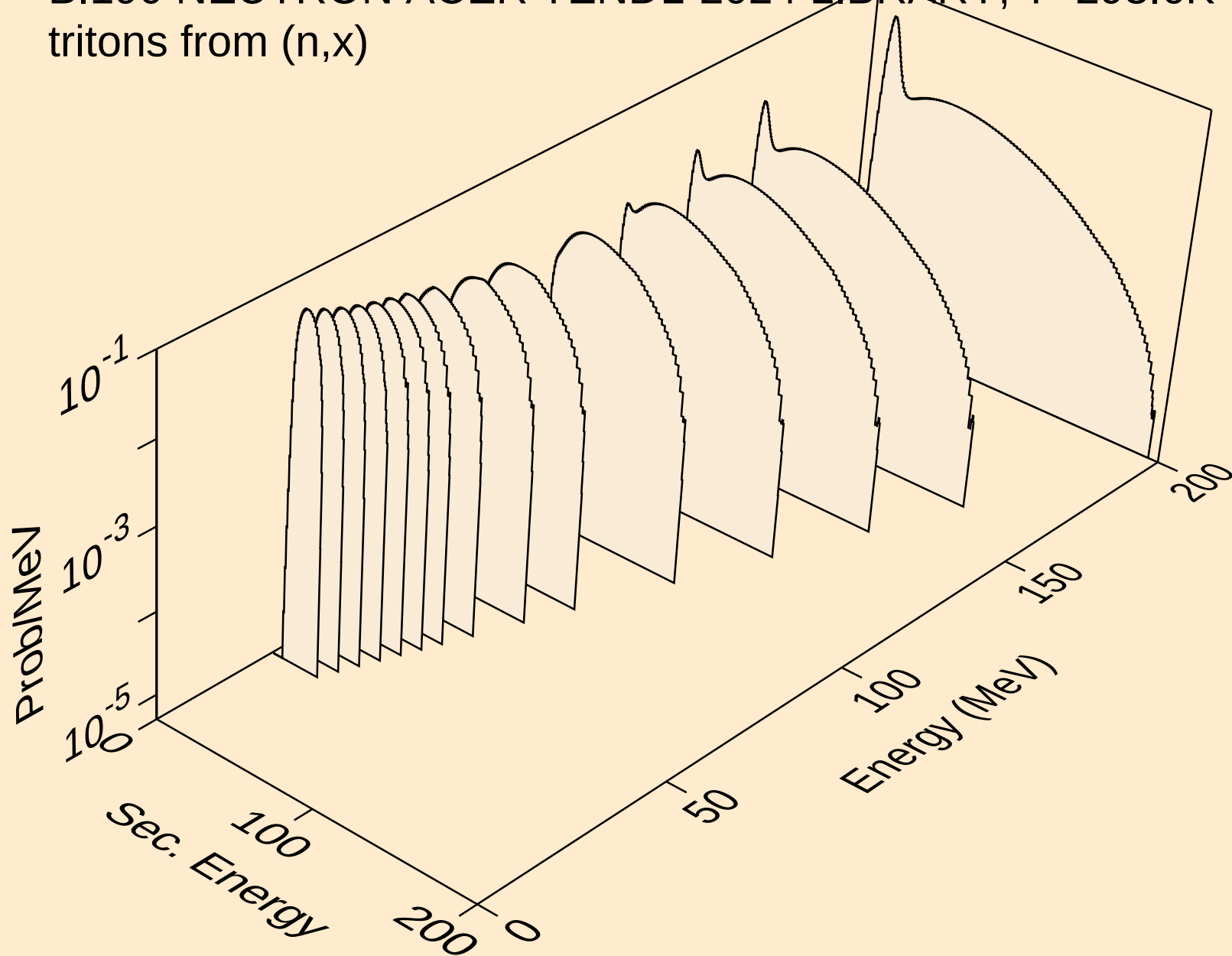
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deuterons from (n,pd)



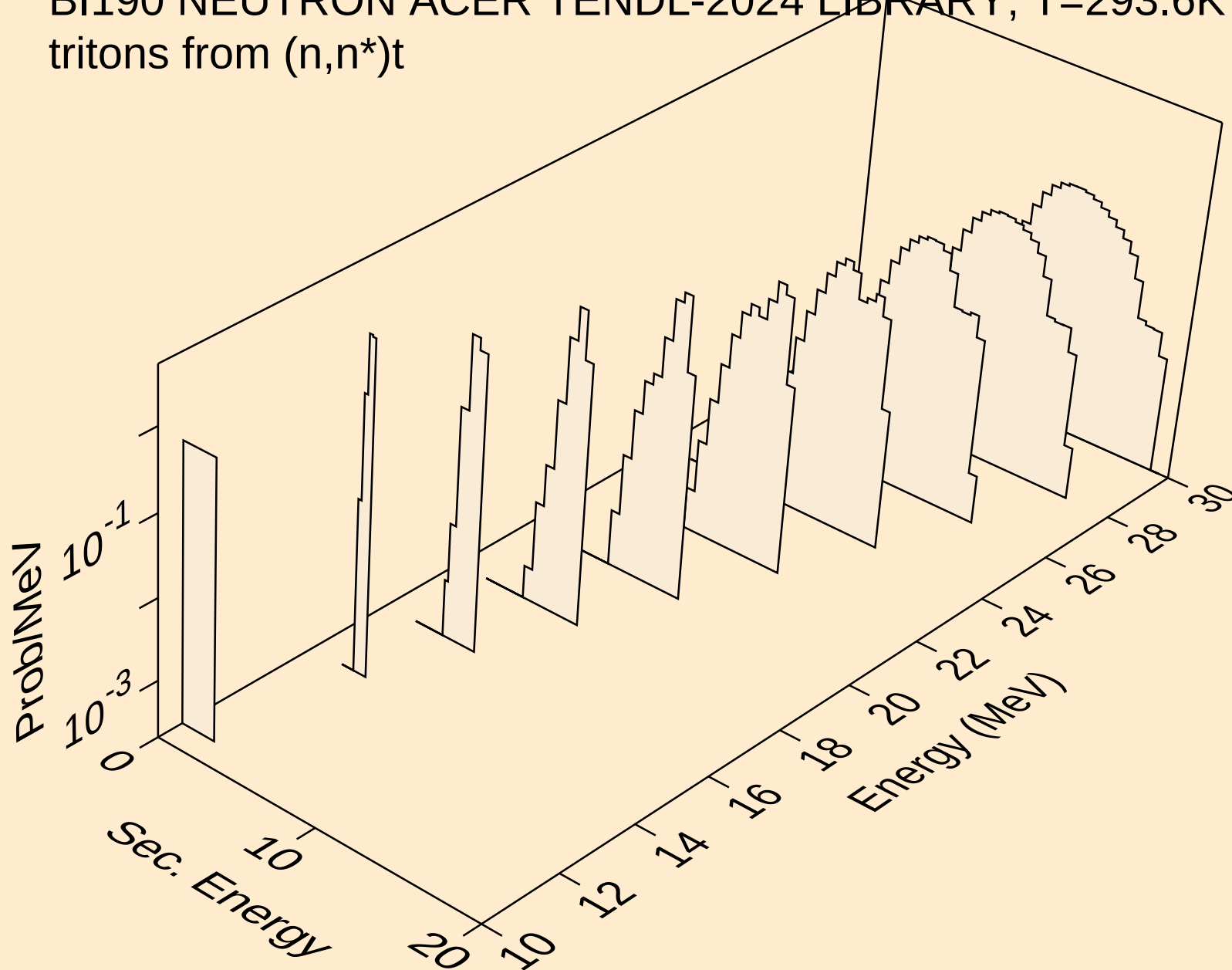
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deuterons from (n,da)



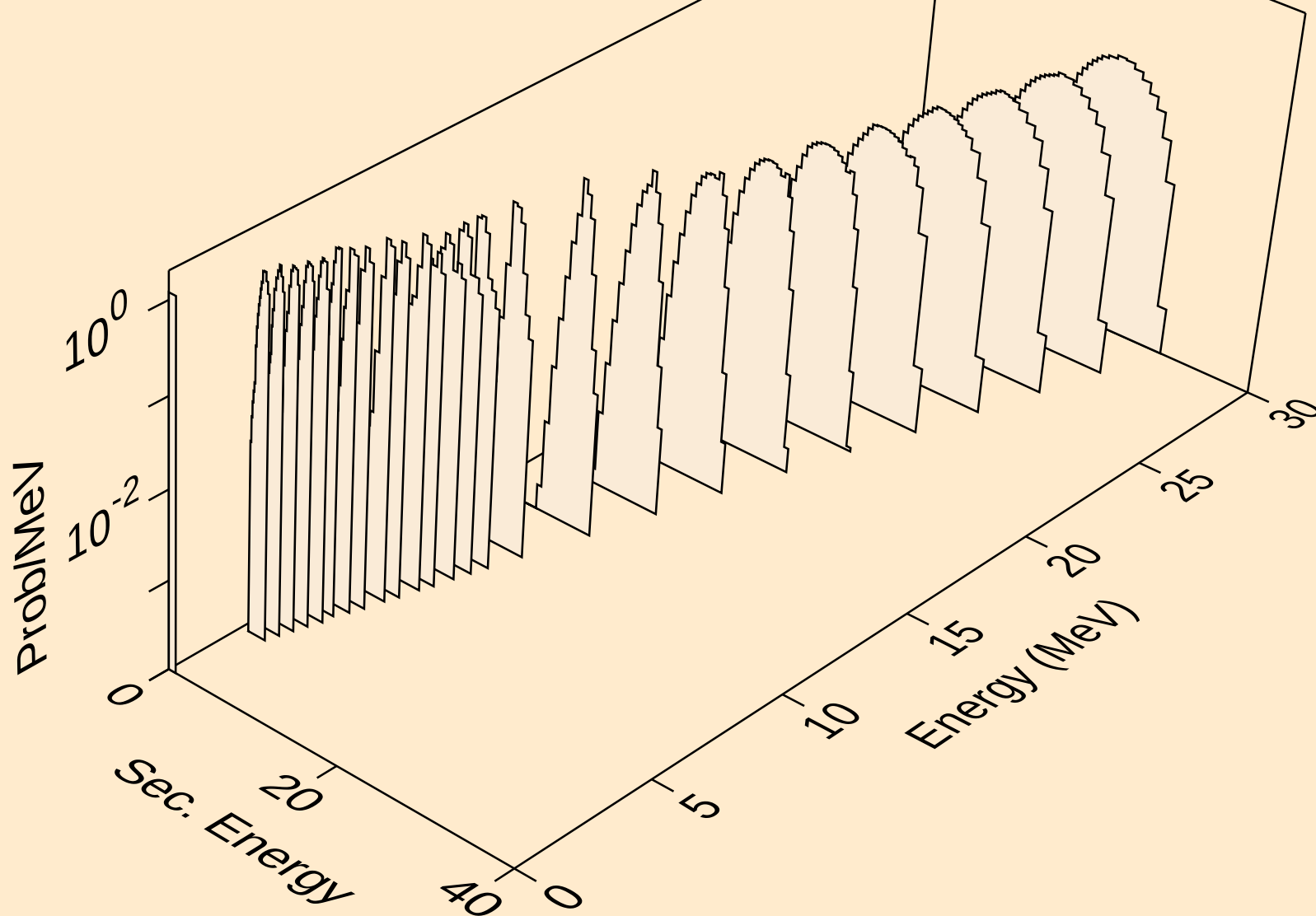
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)



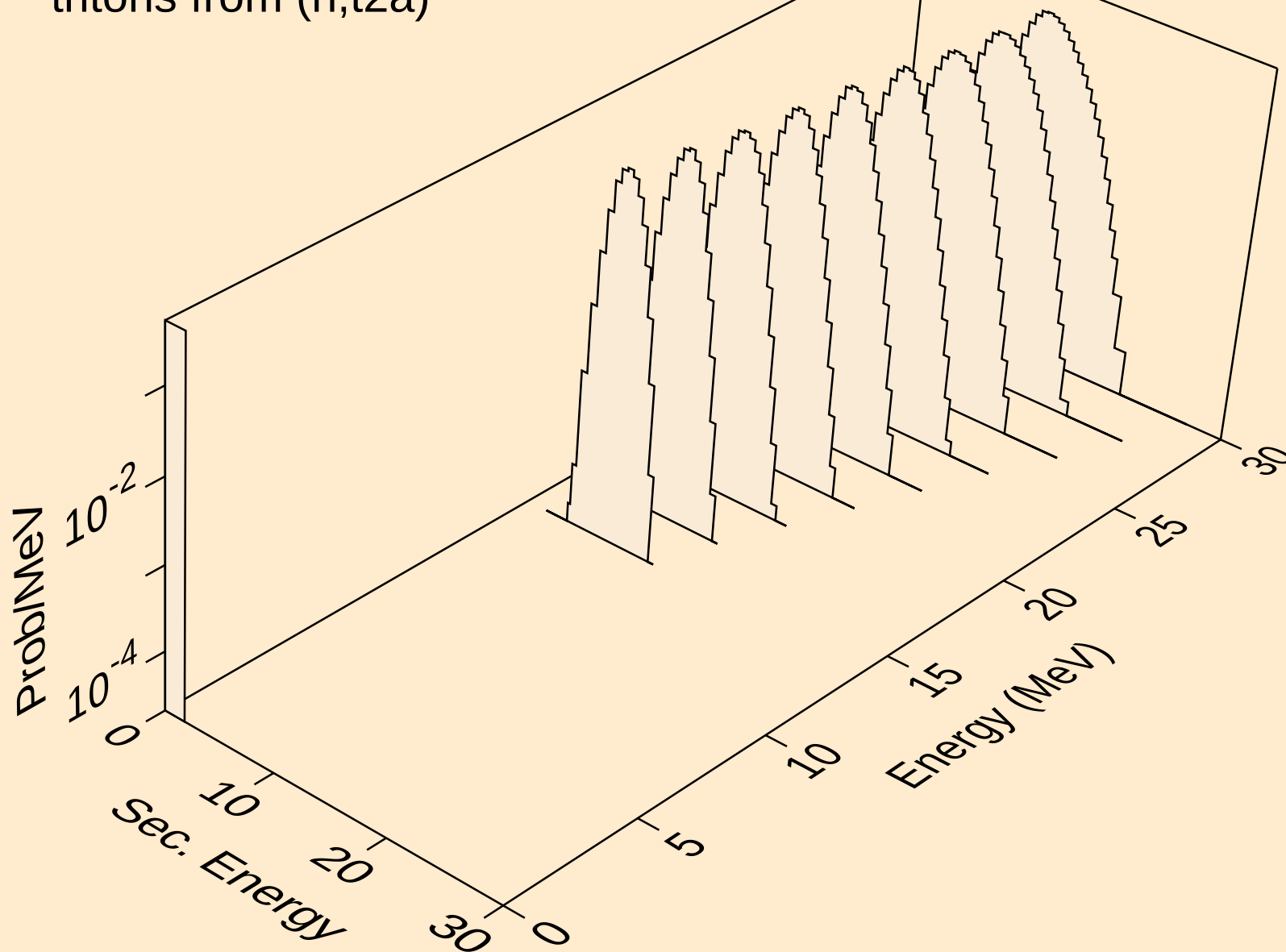
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,n*)t



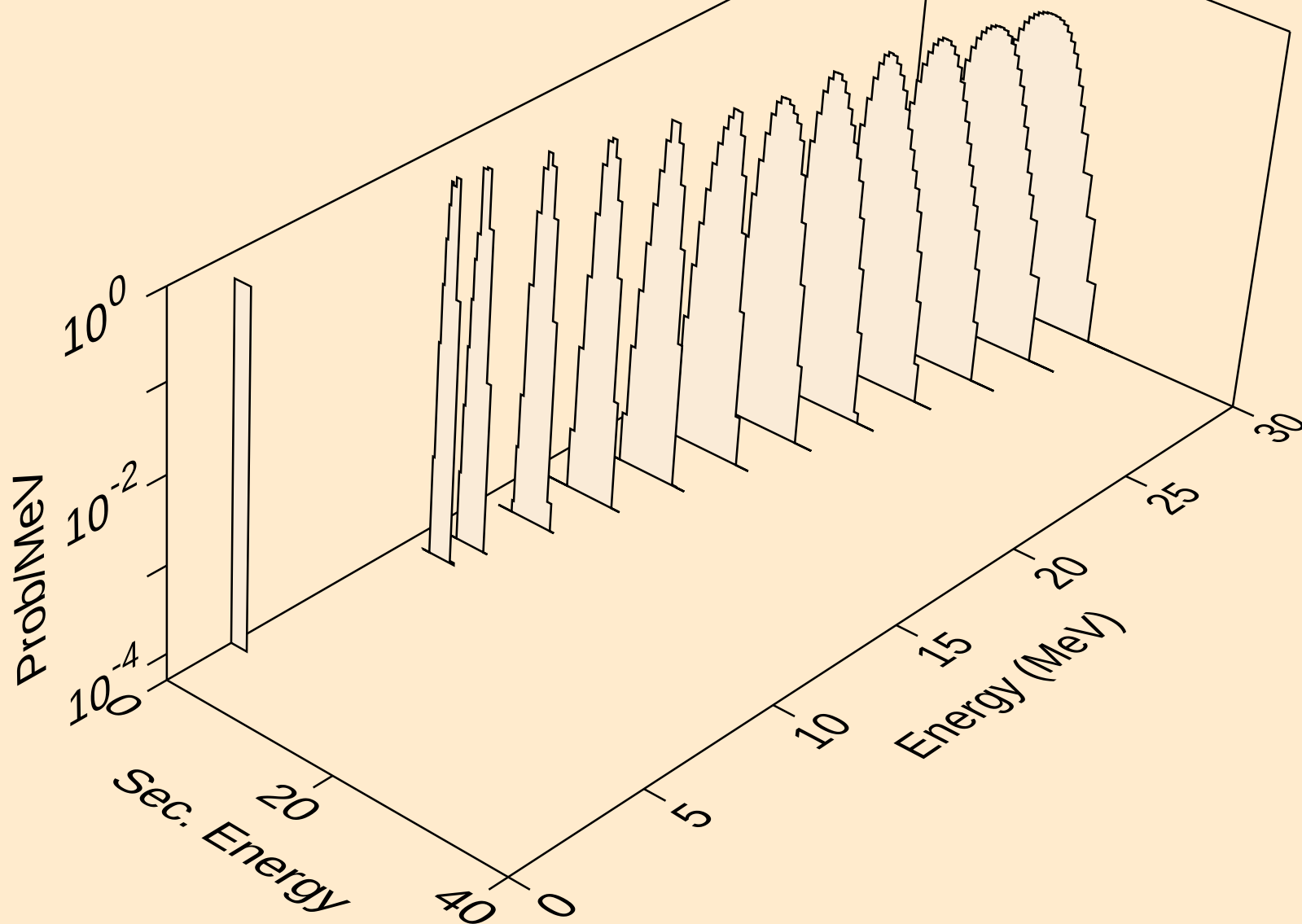
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,t)



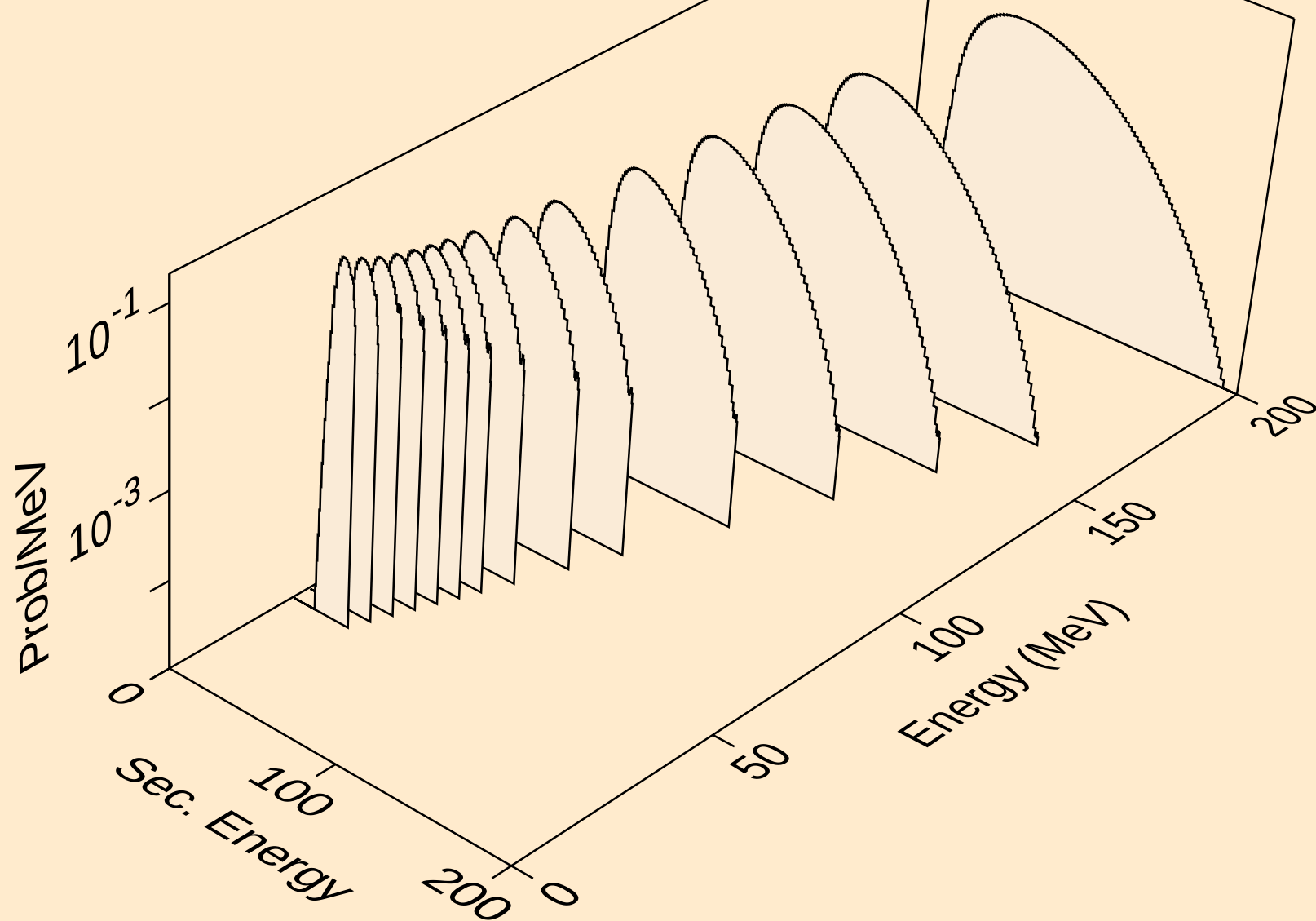
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tritons from (n,t2a)



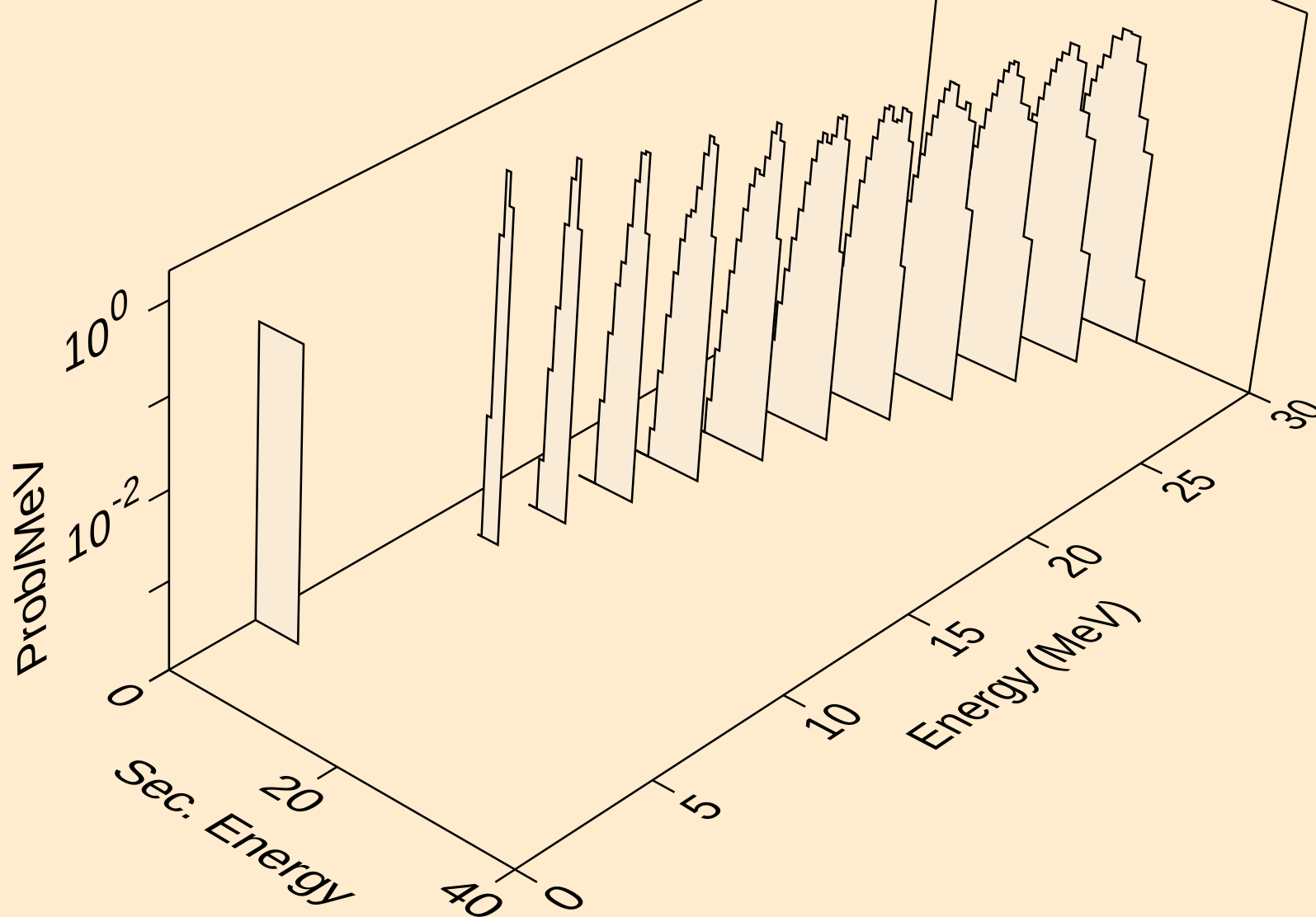
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,pt)



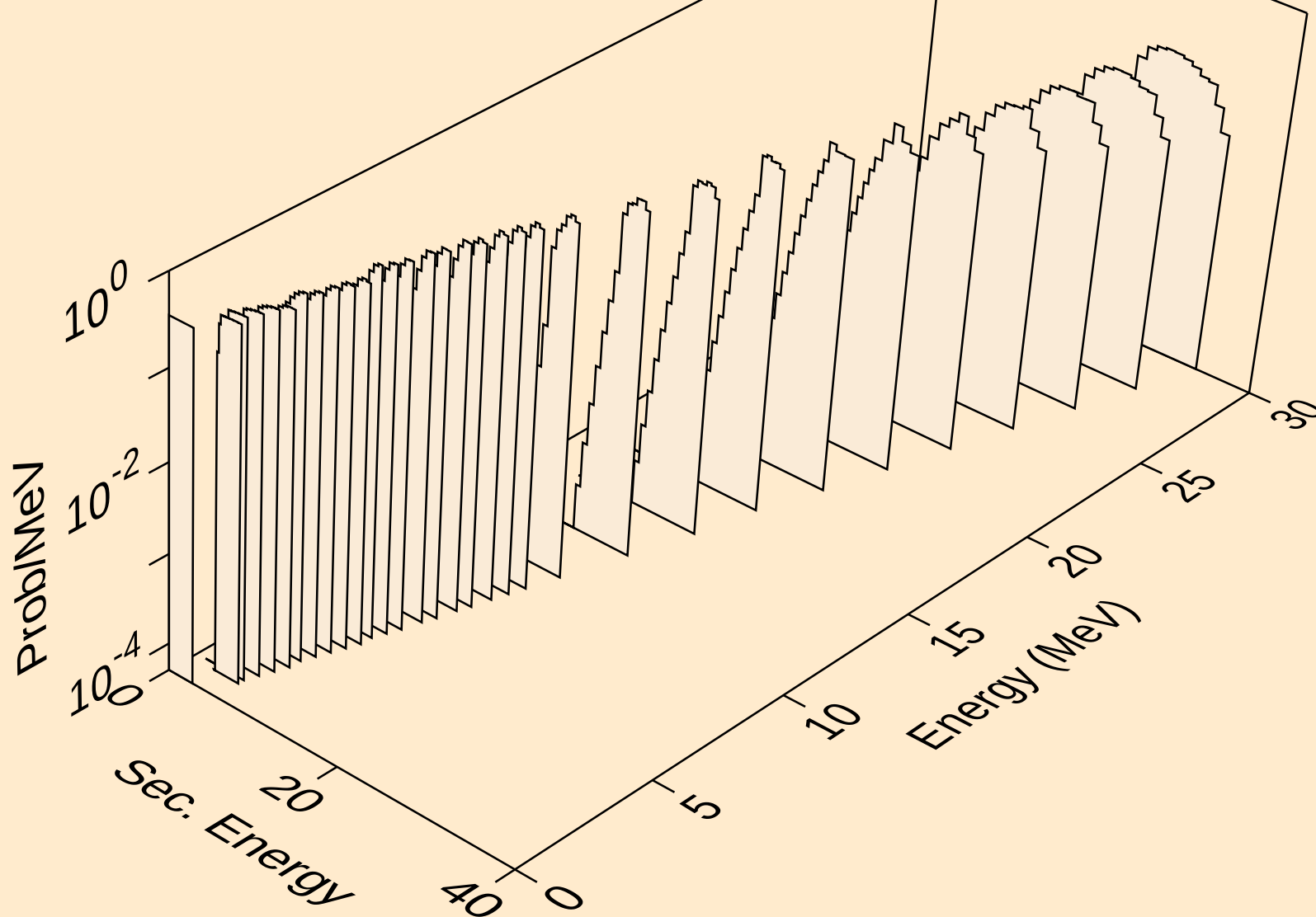
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,x)



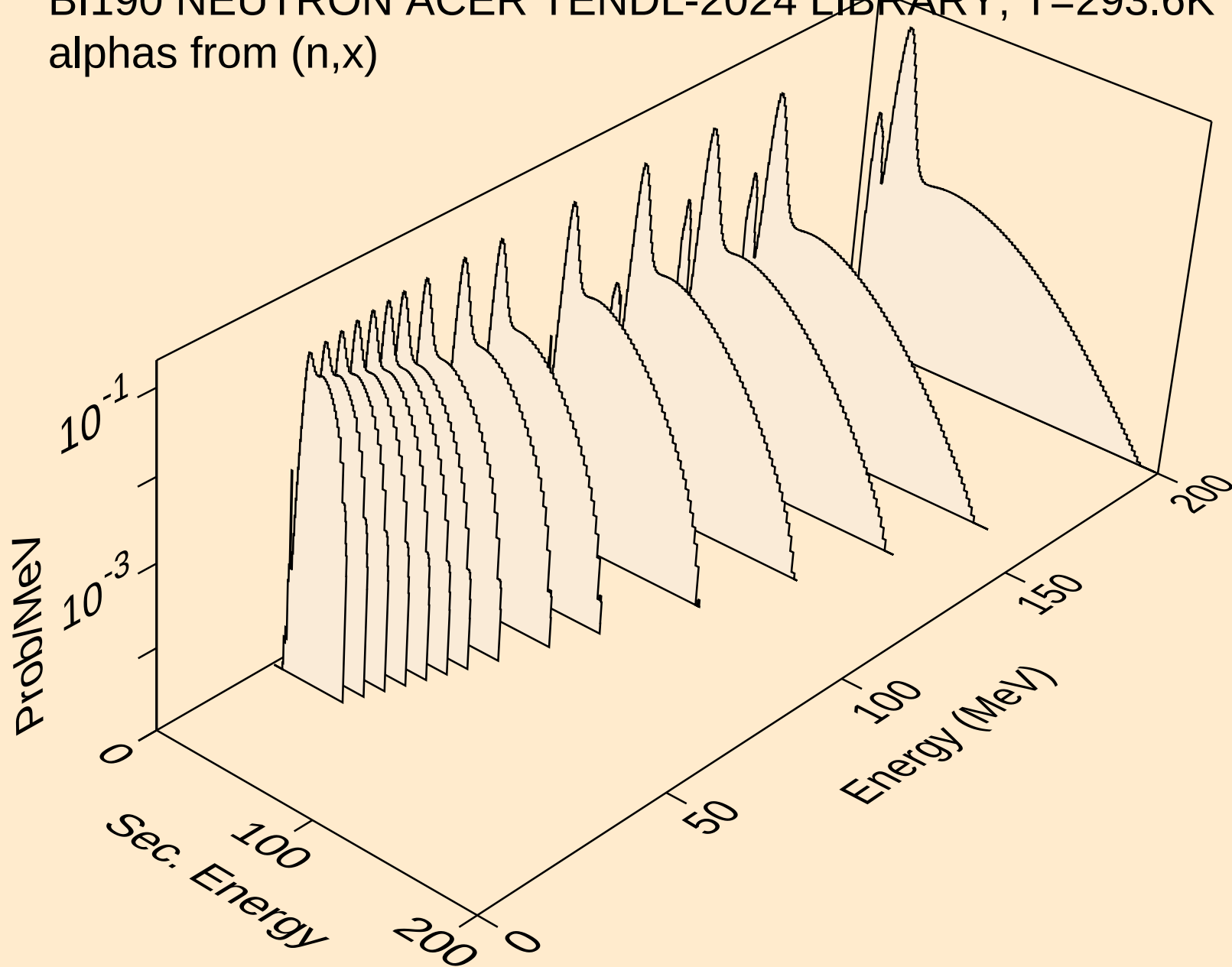
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,n*)he3



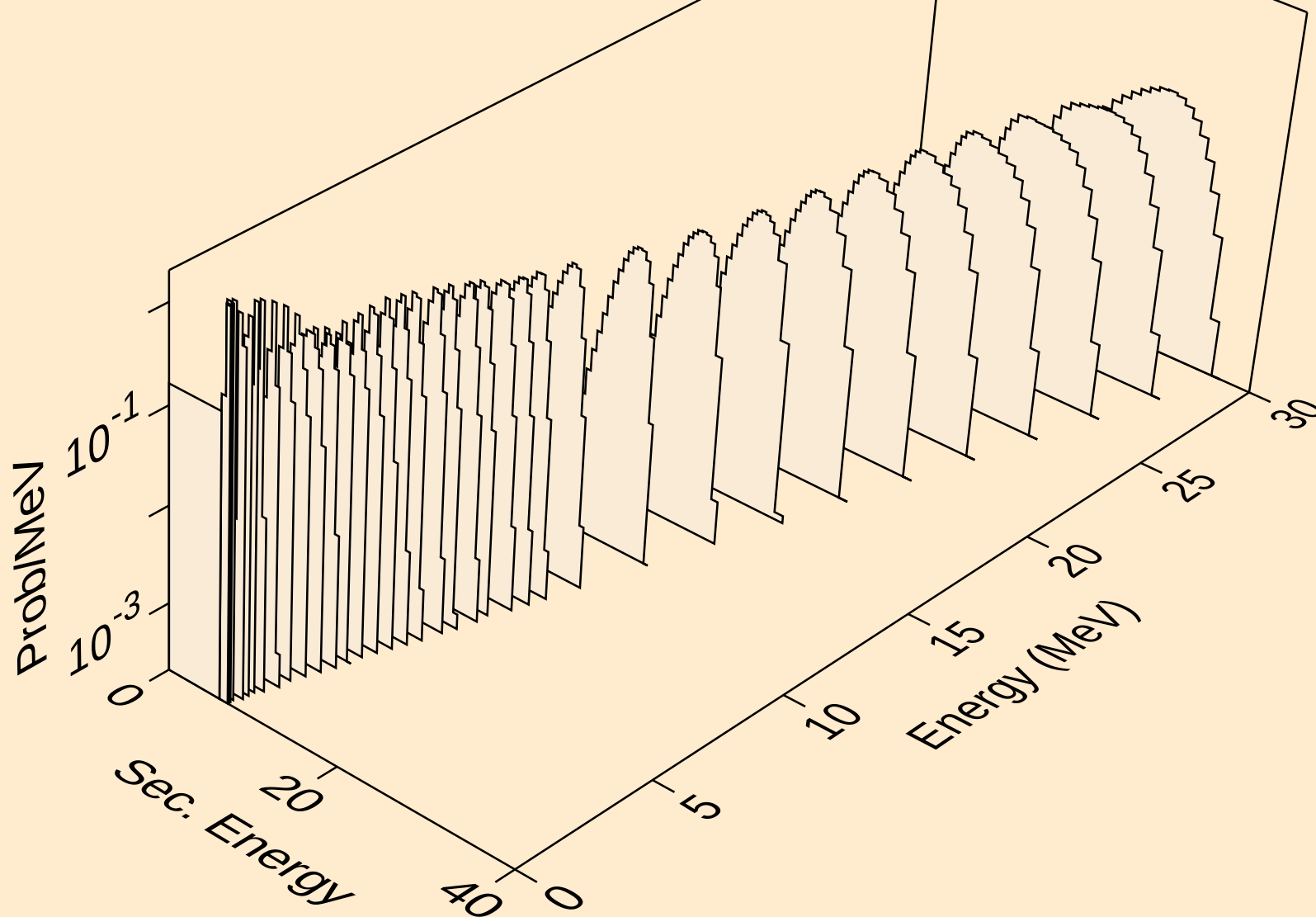
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,he3)



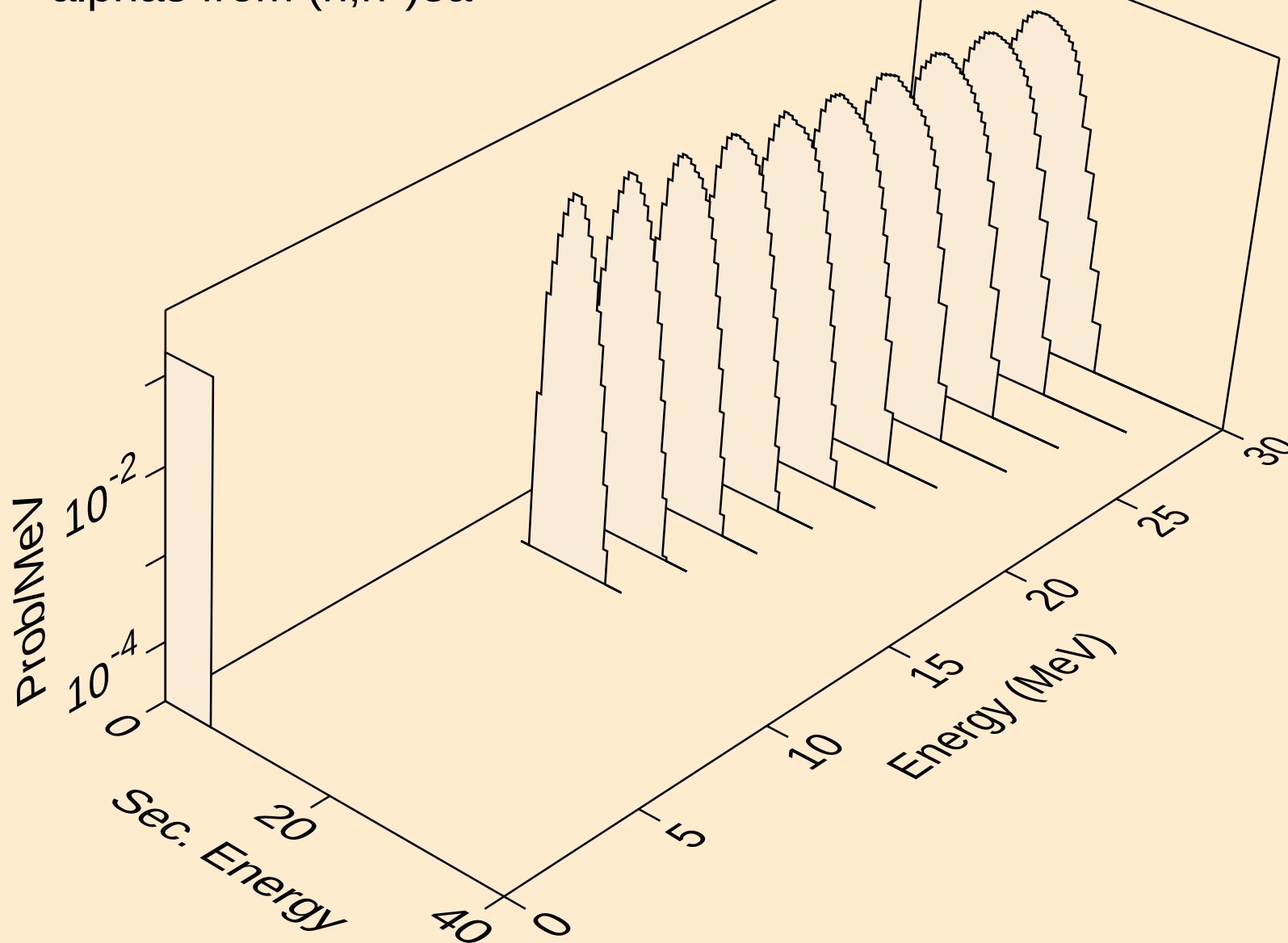
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)



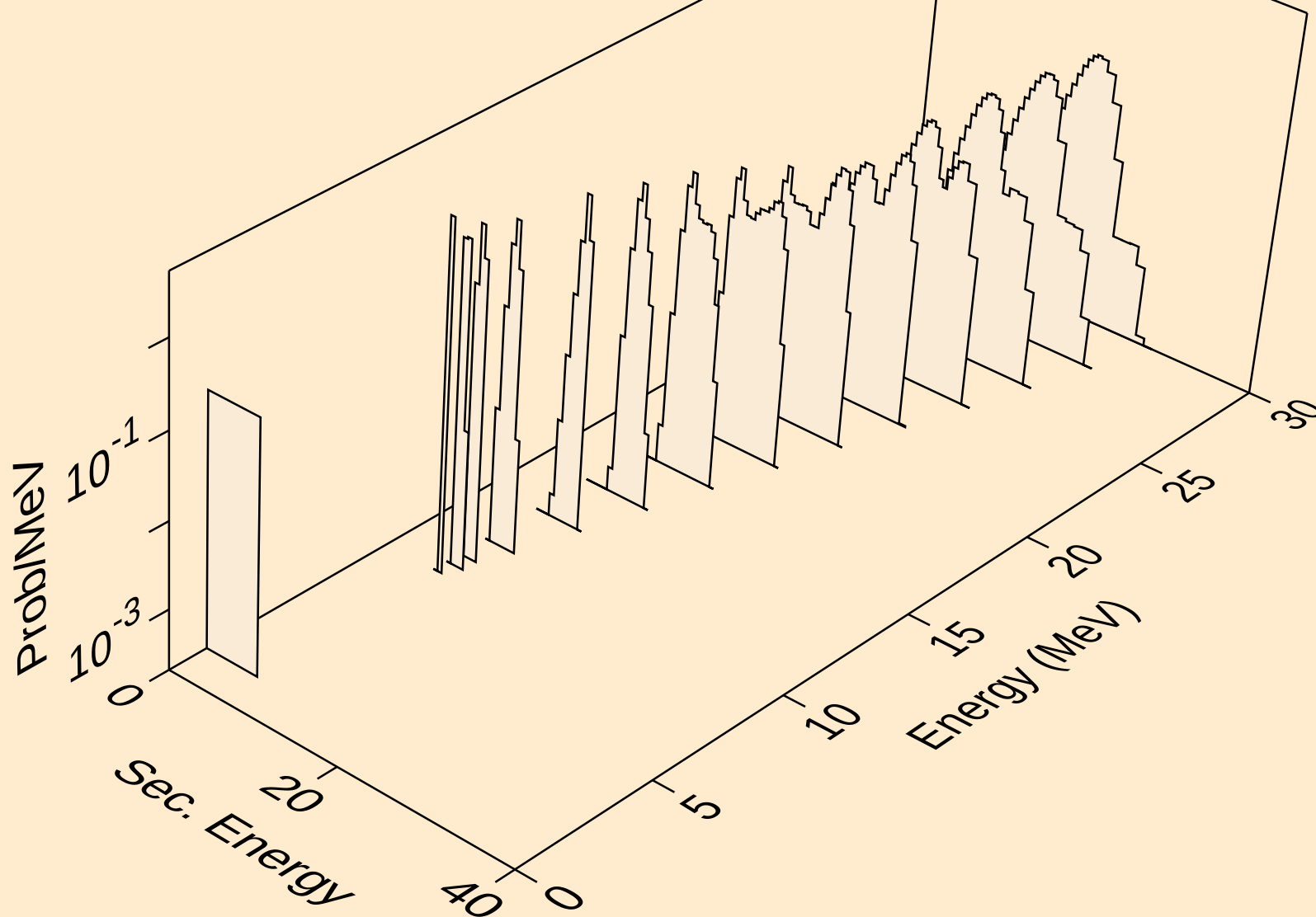
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)a



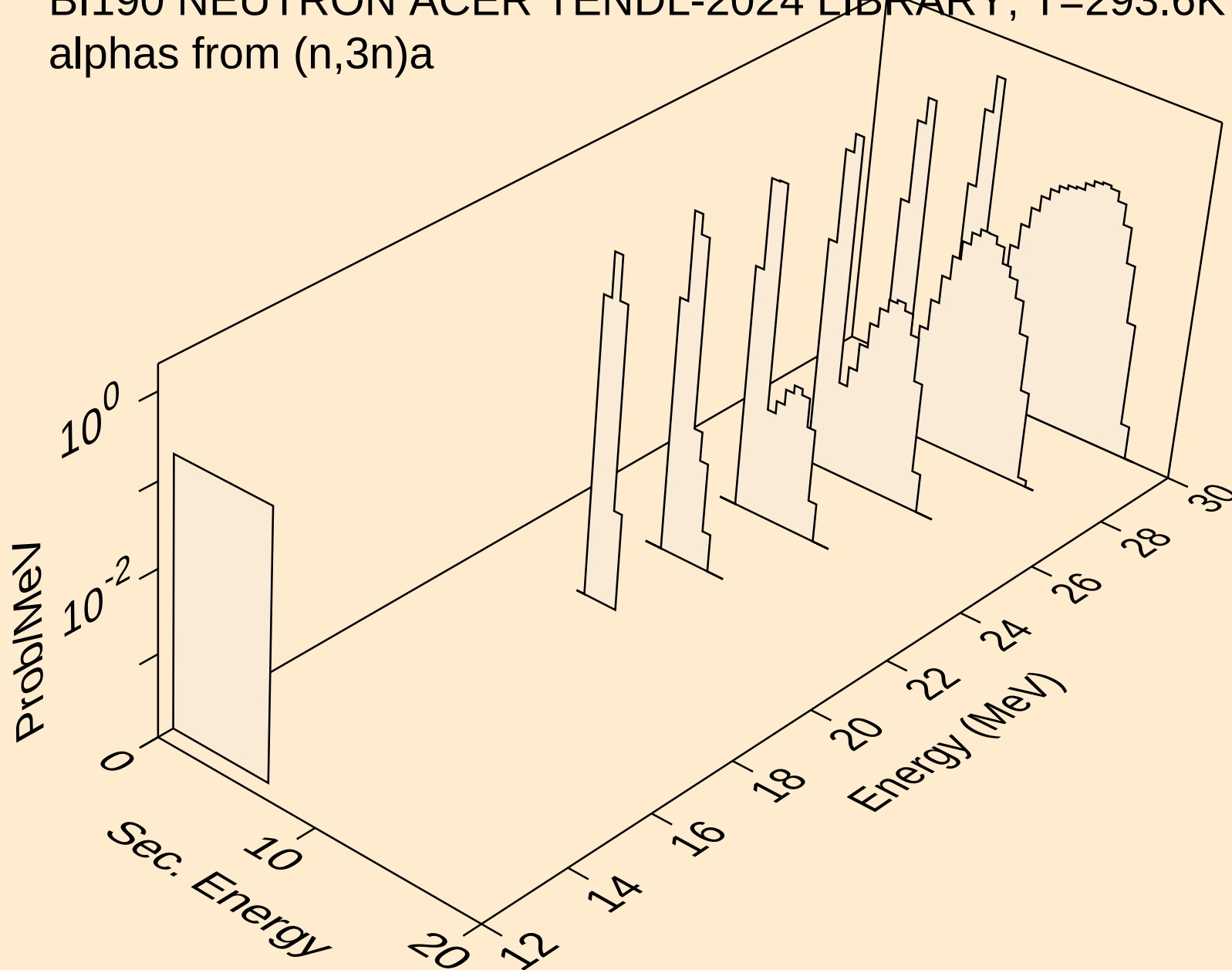
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alphas from (n,n*)3a



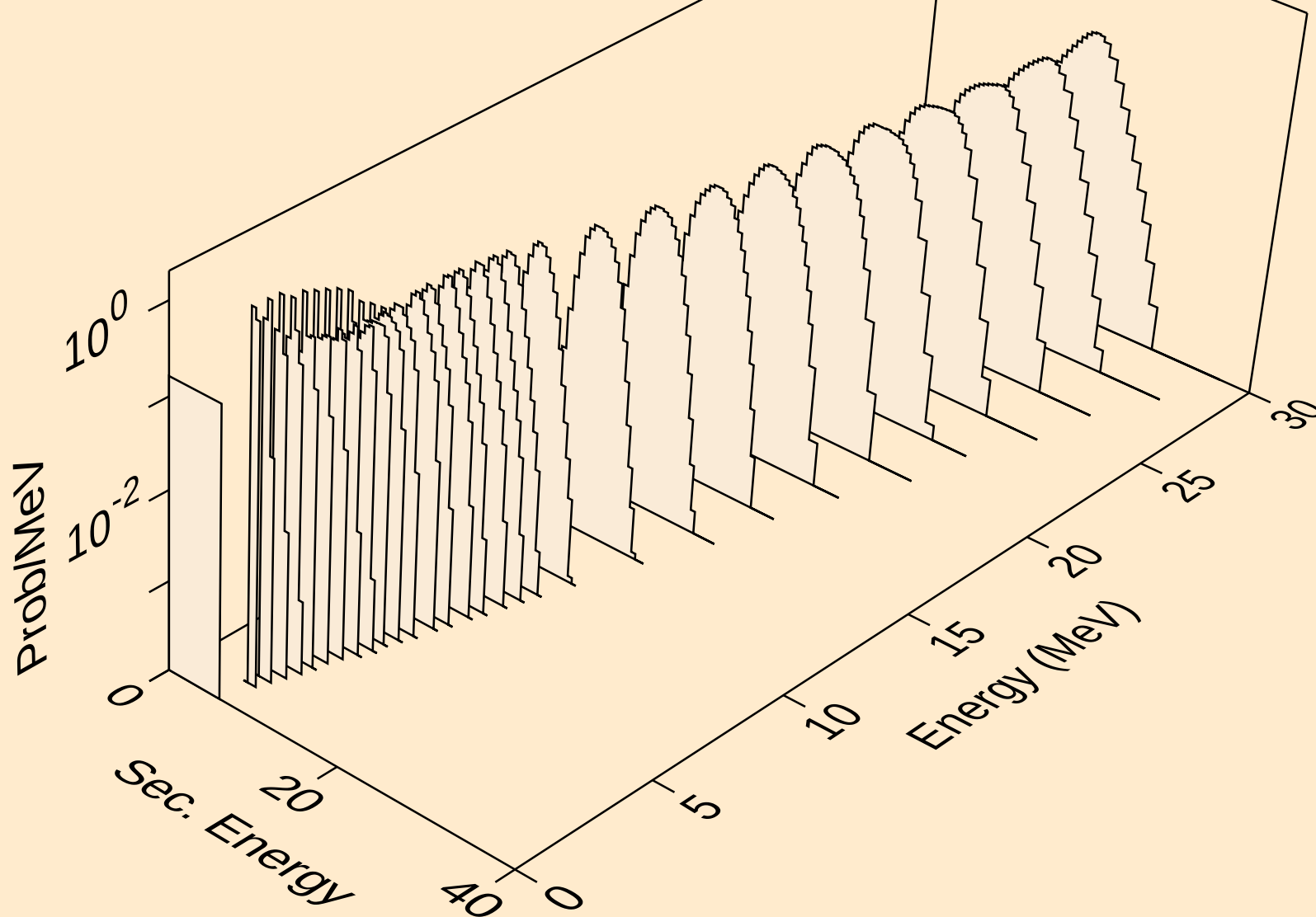
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a



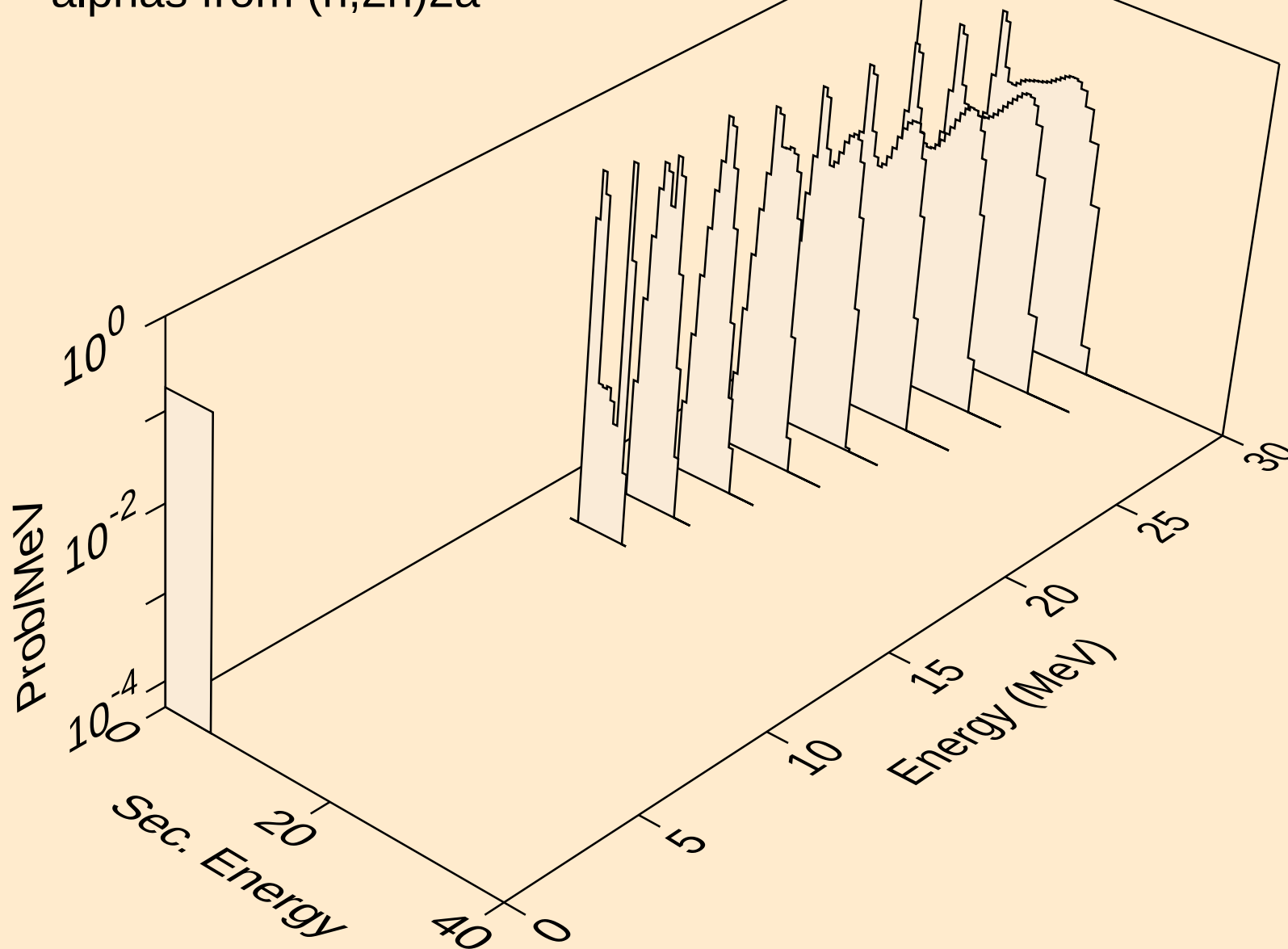
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3n)a



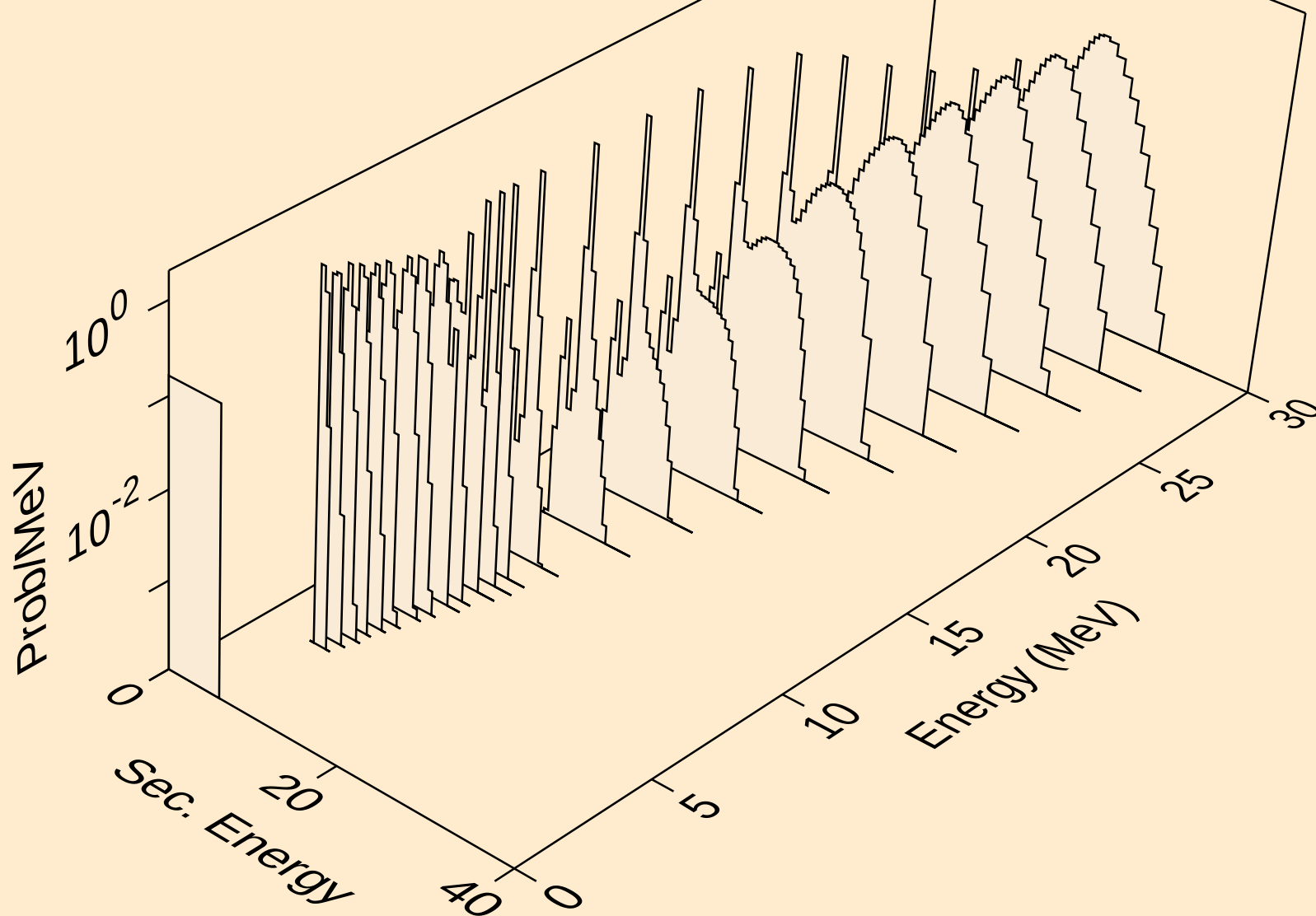
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alphas from (n,n*)2a



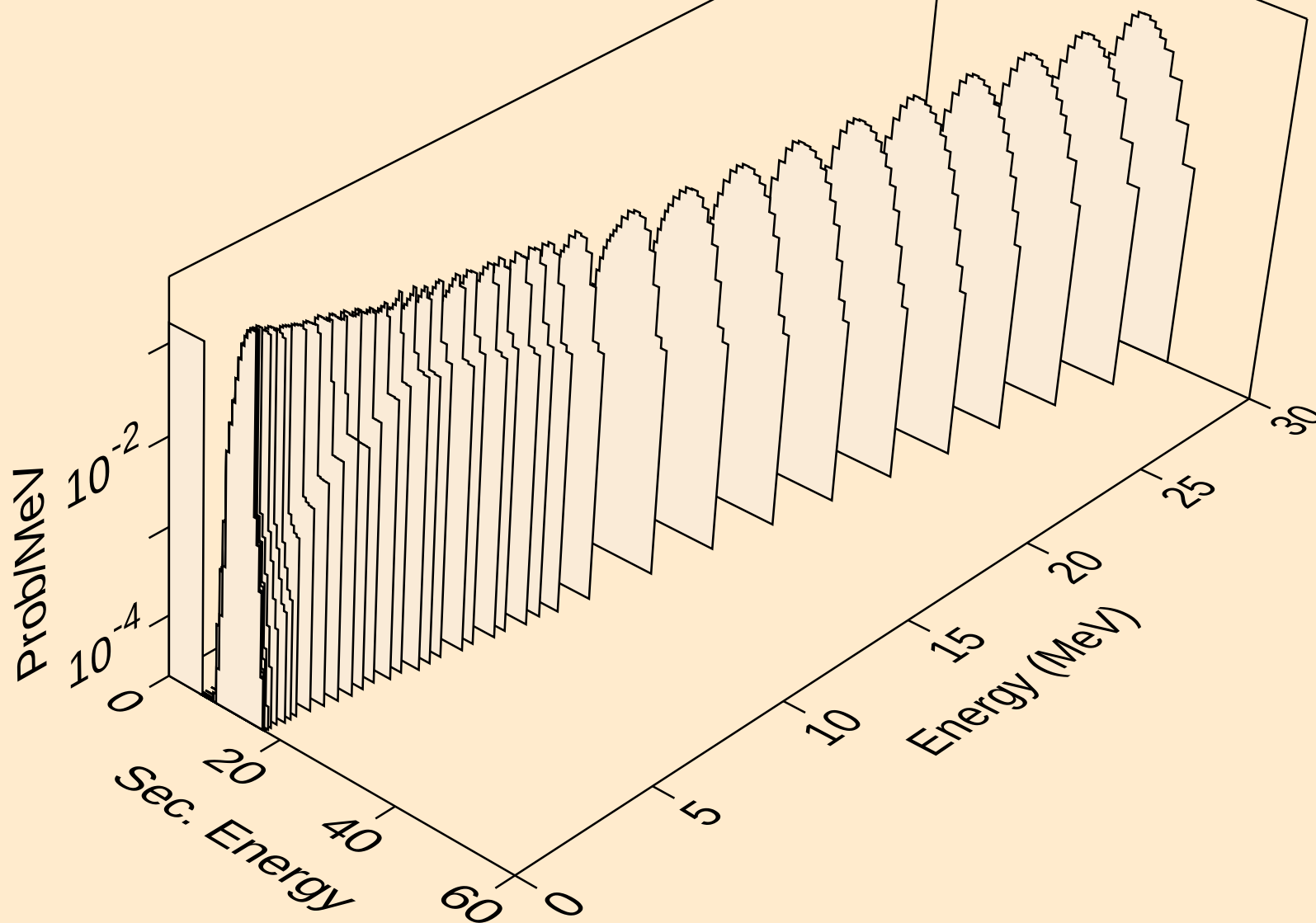
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alphas from (n,2n)2a



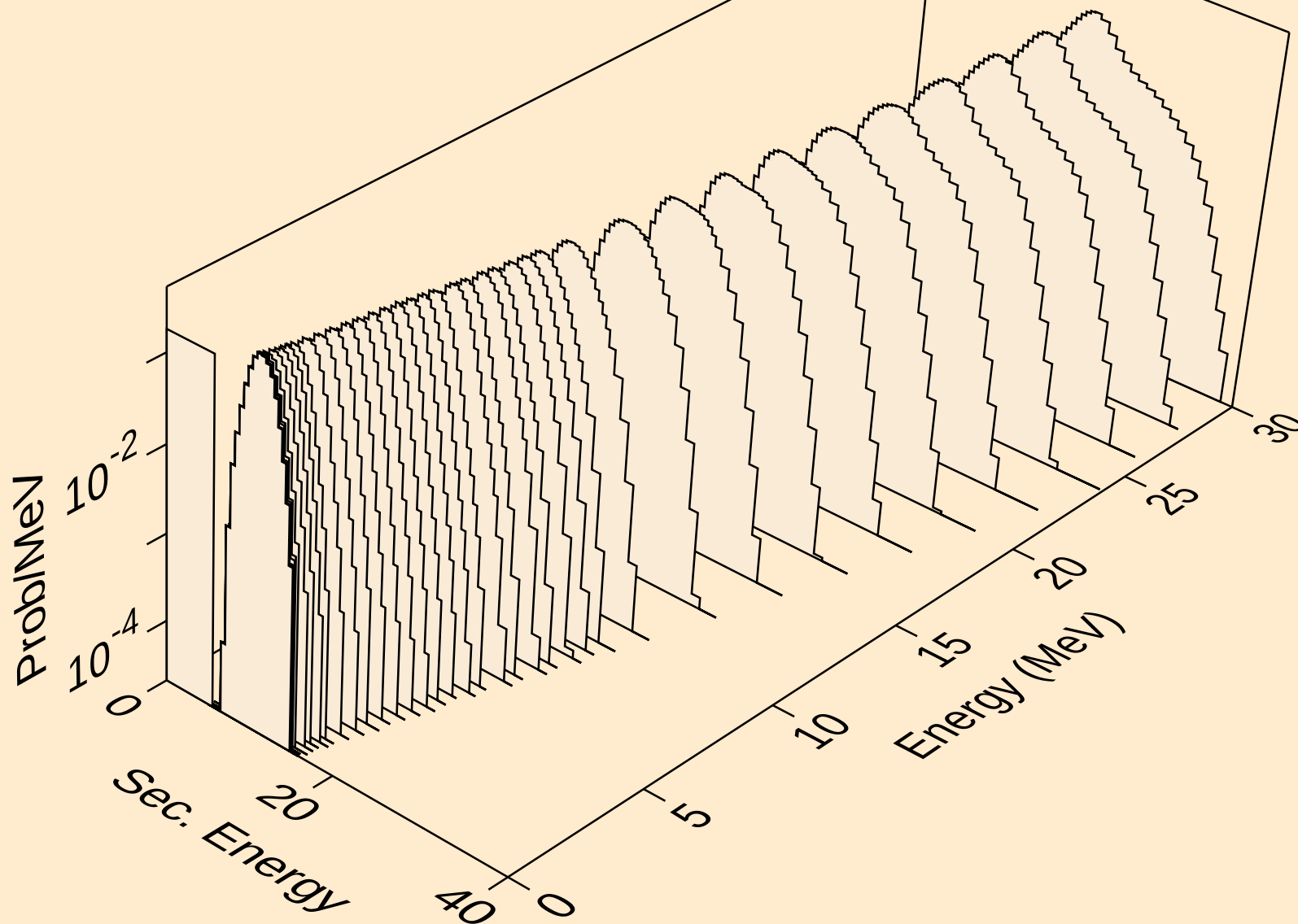
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,npa)



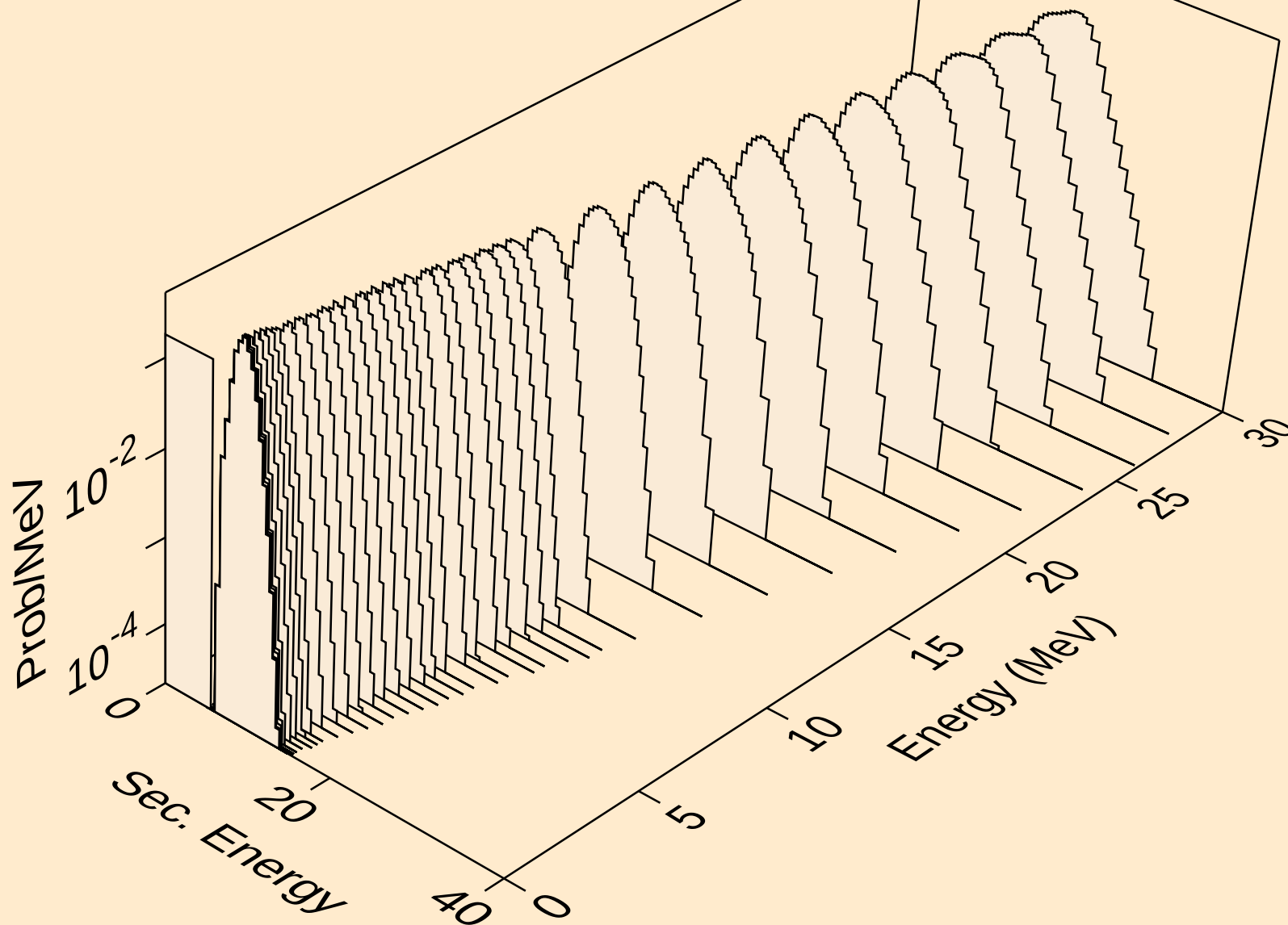
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alphas from (n,a)



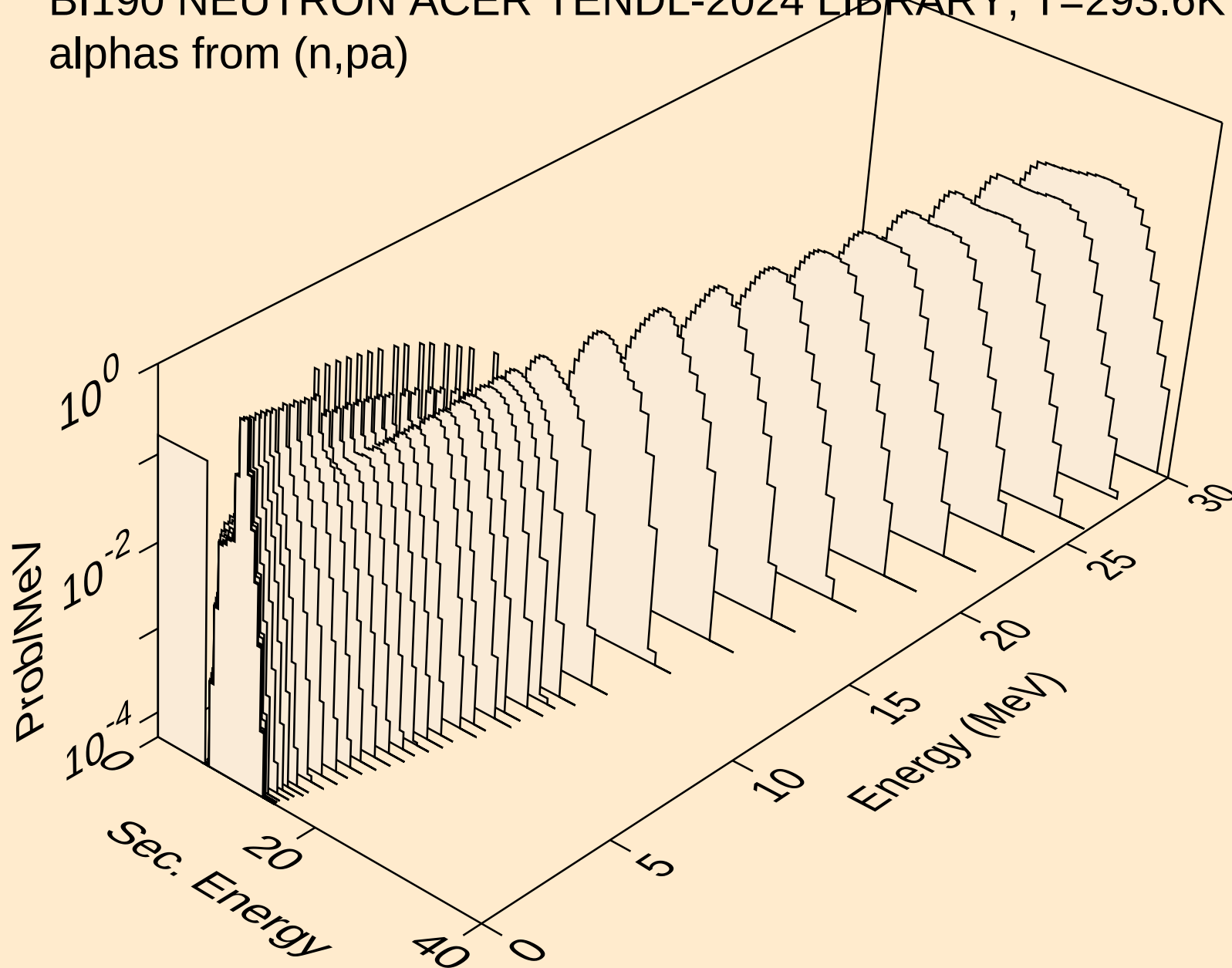
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2a)



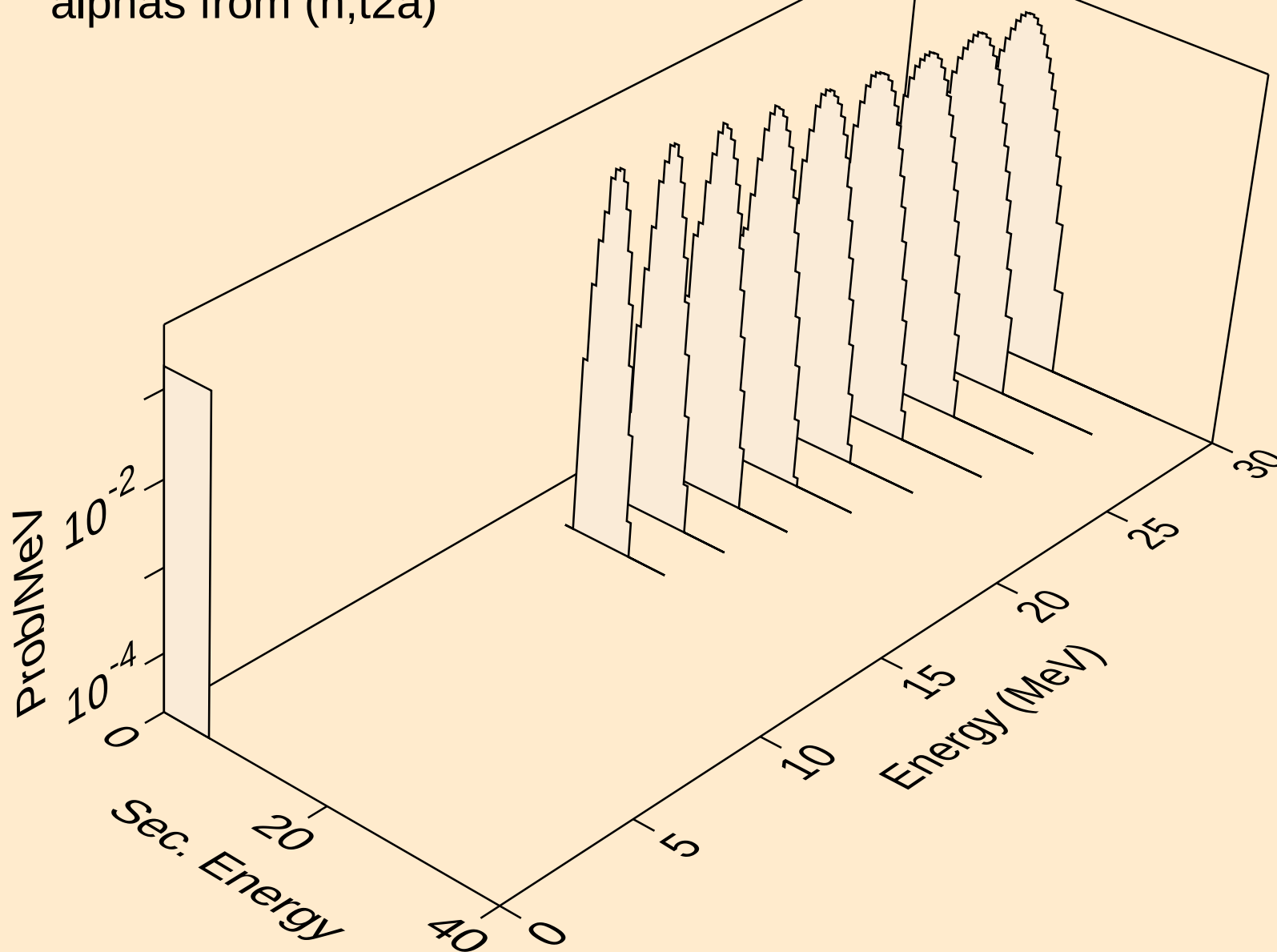
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3a)



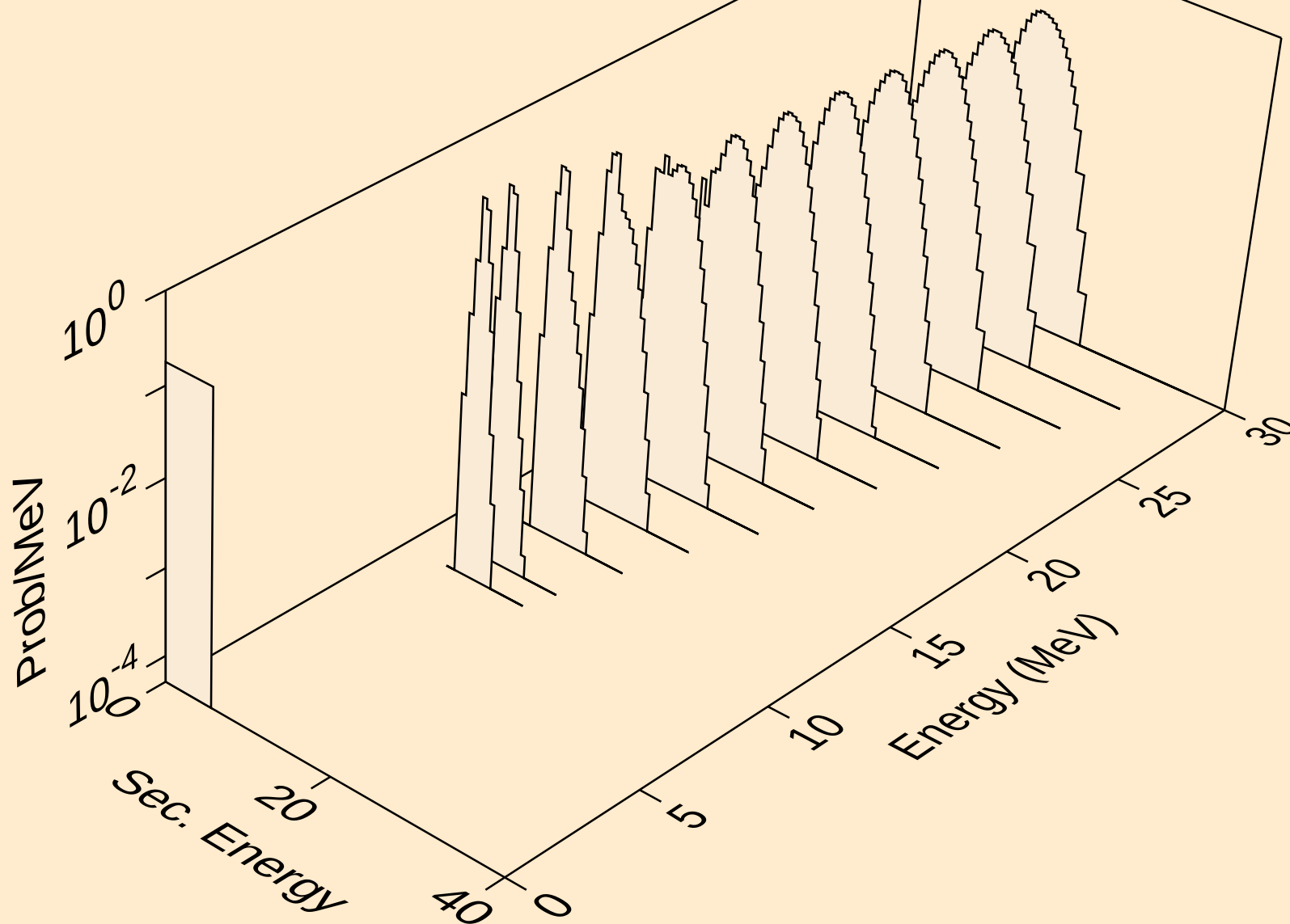
BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,pa)



BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,t2a)



BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,d2a)



BI190 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,da)

