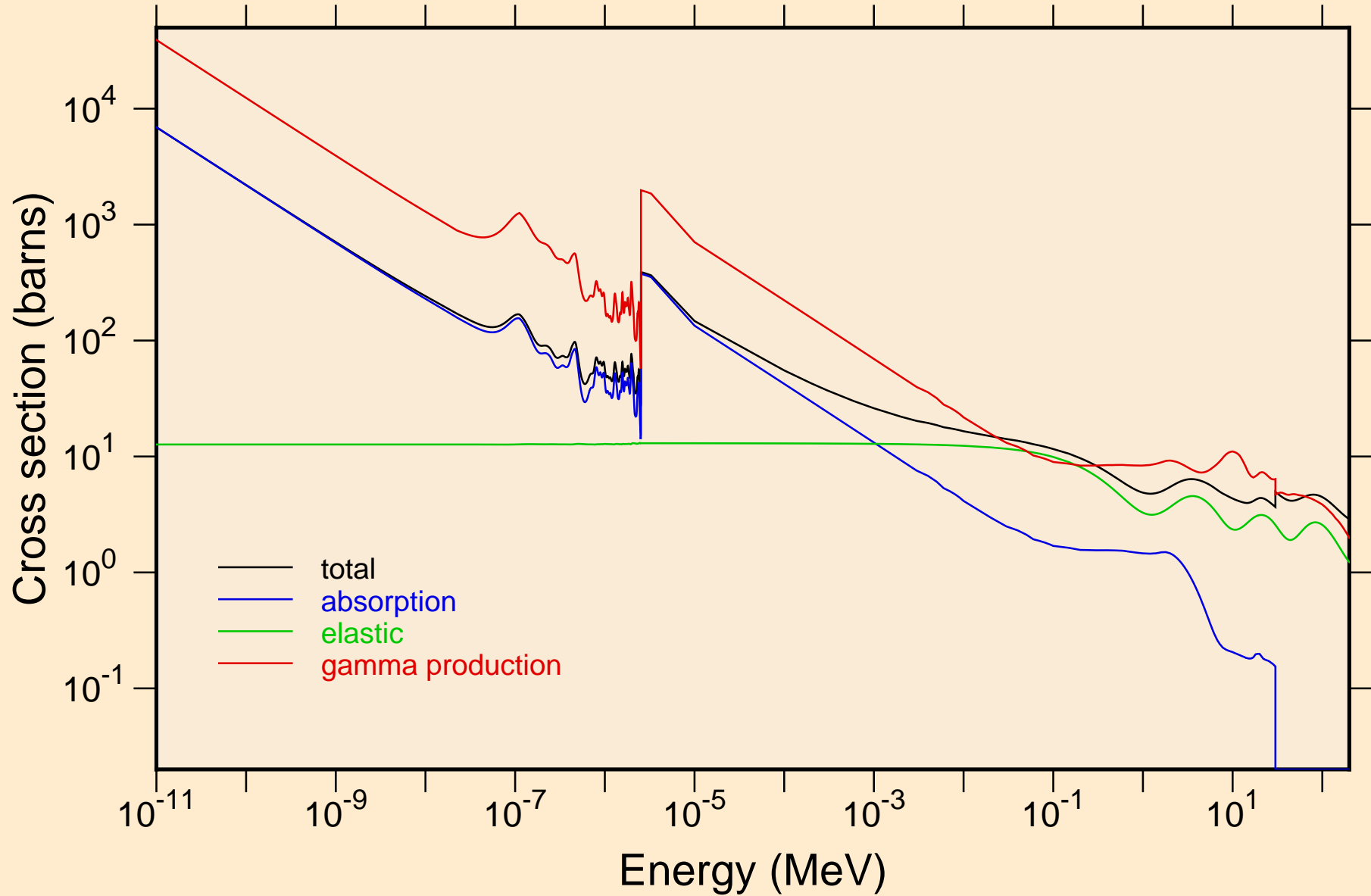


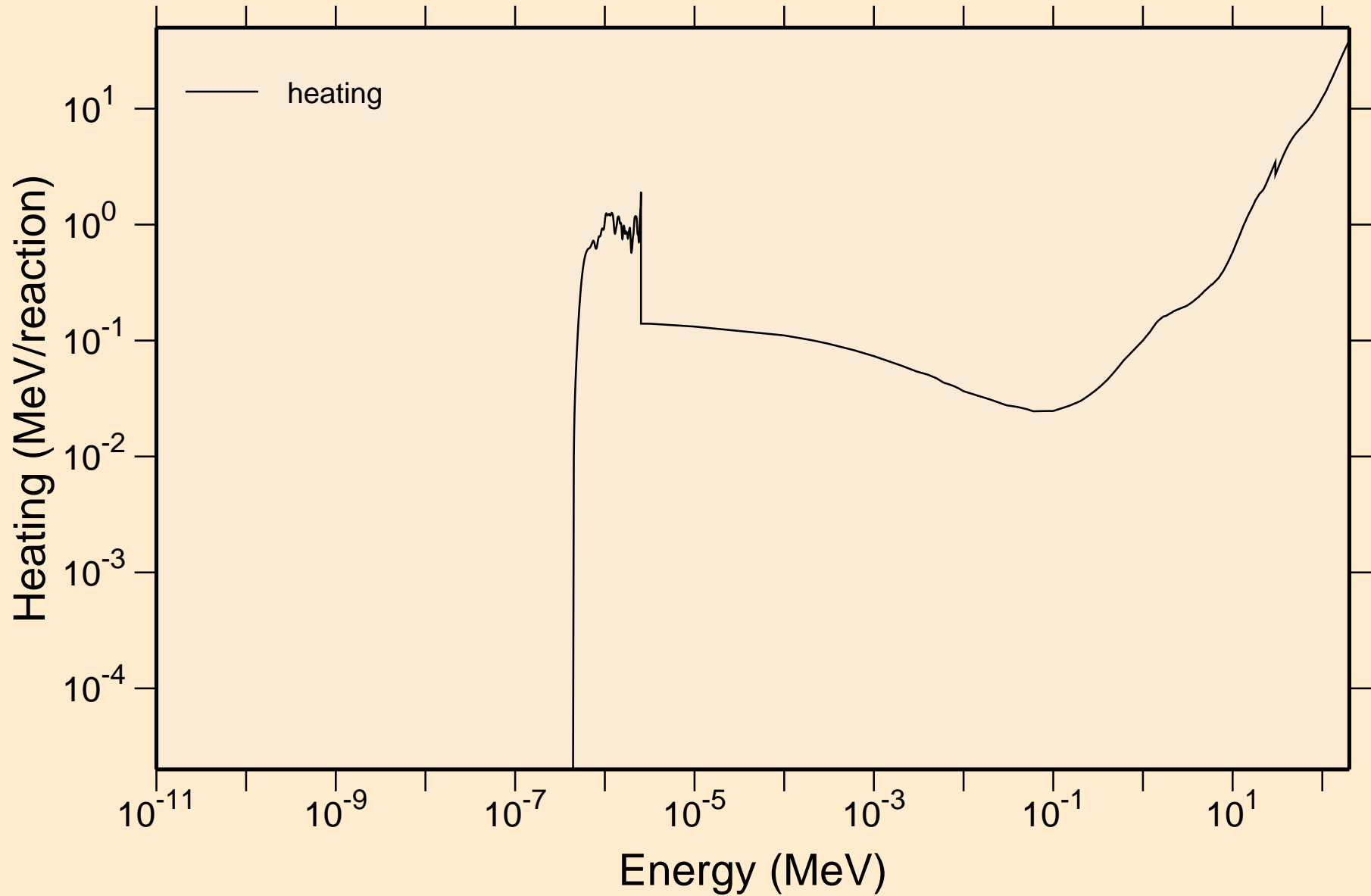
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections

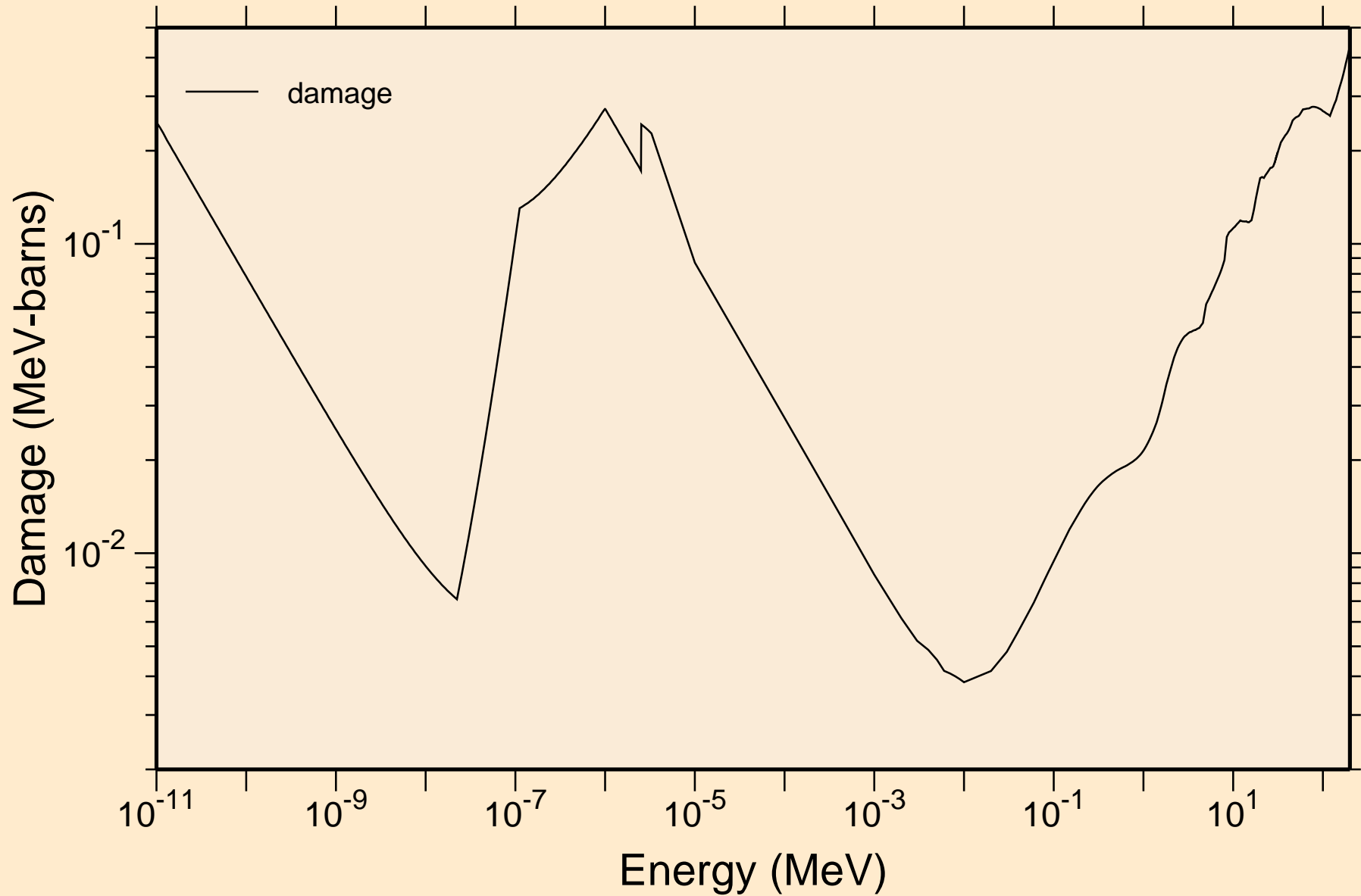


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Heating

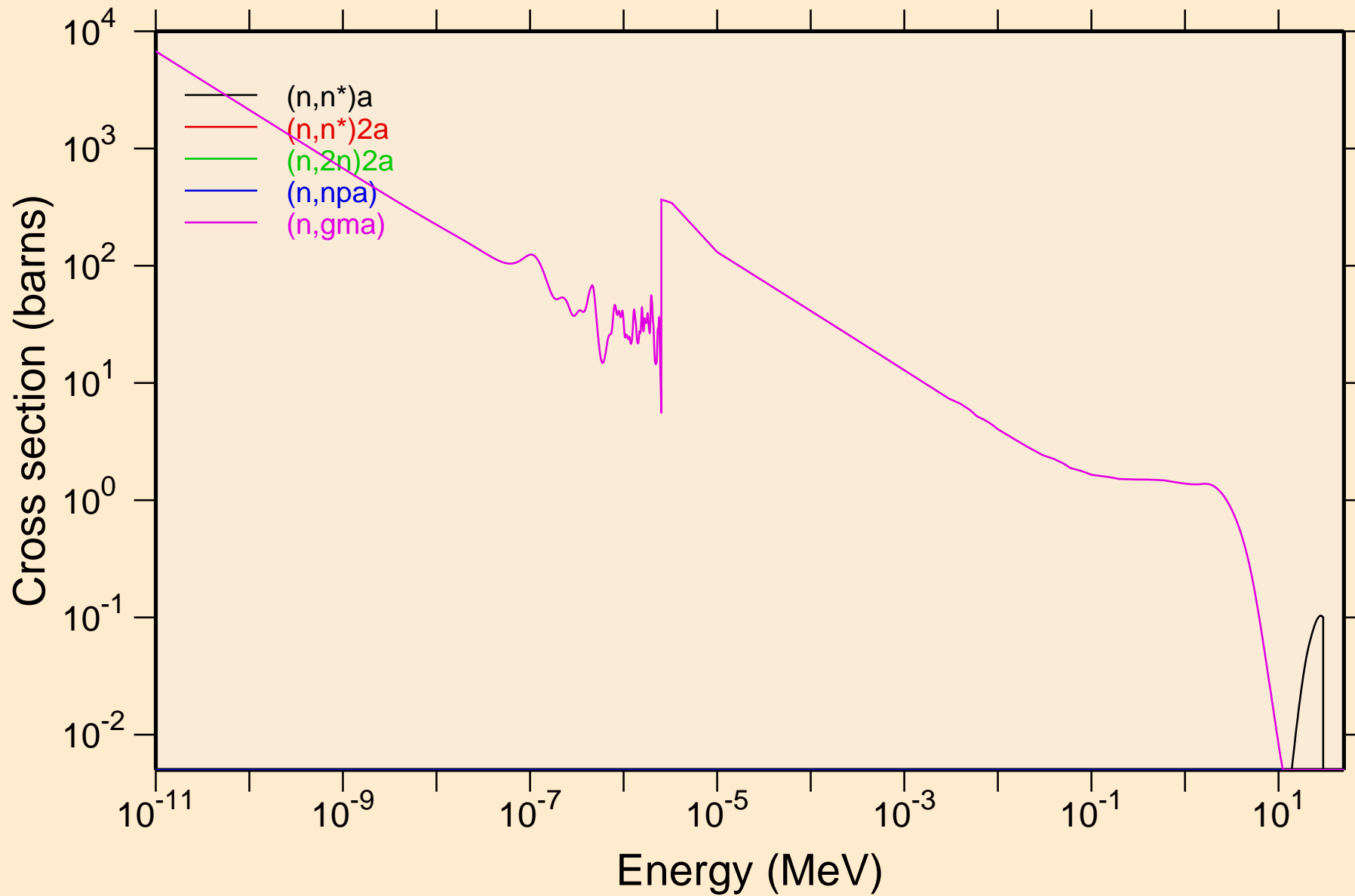


BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Damage

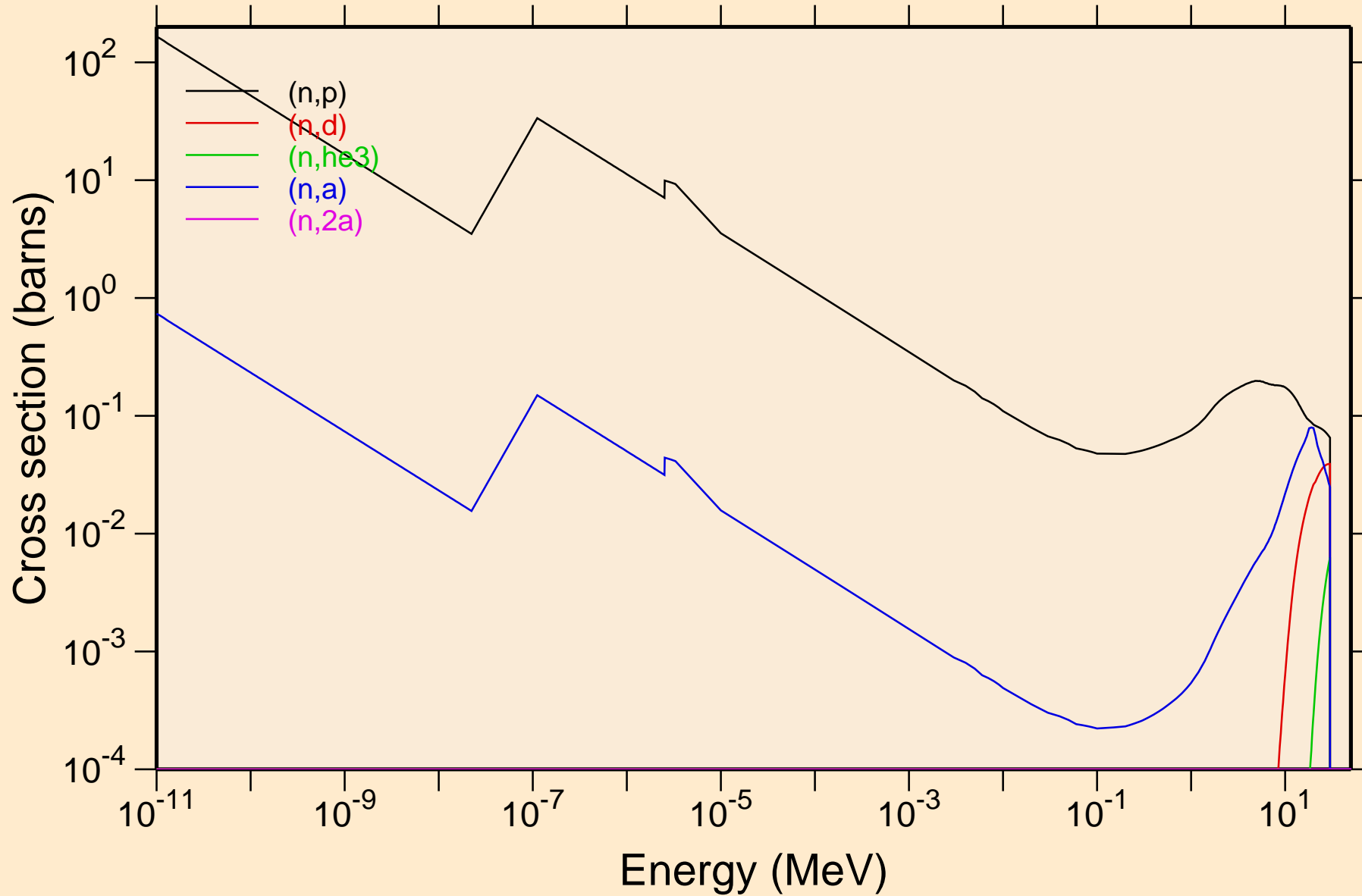


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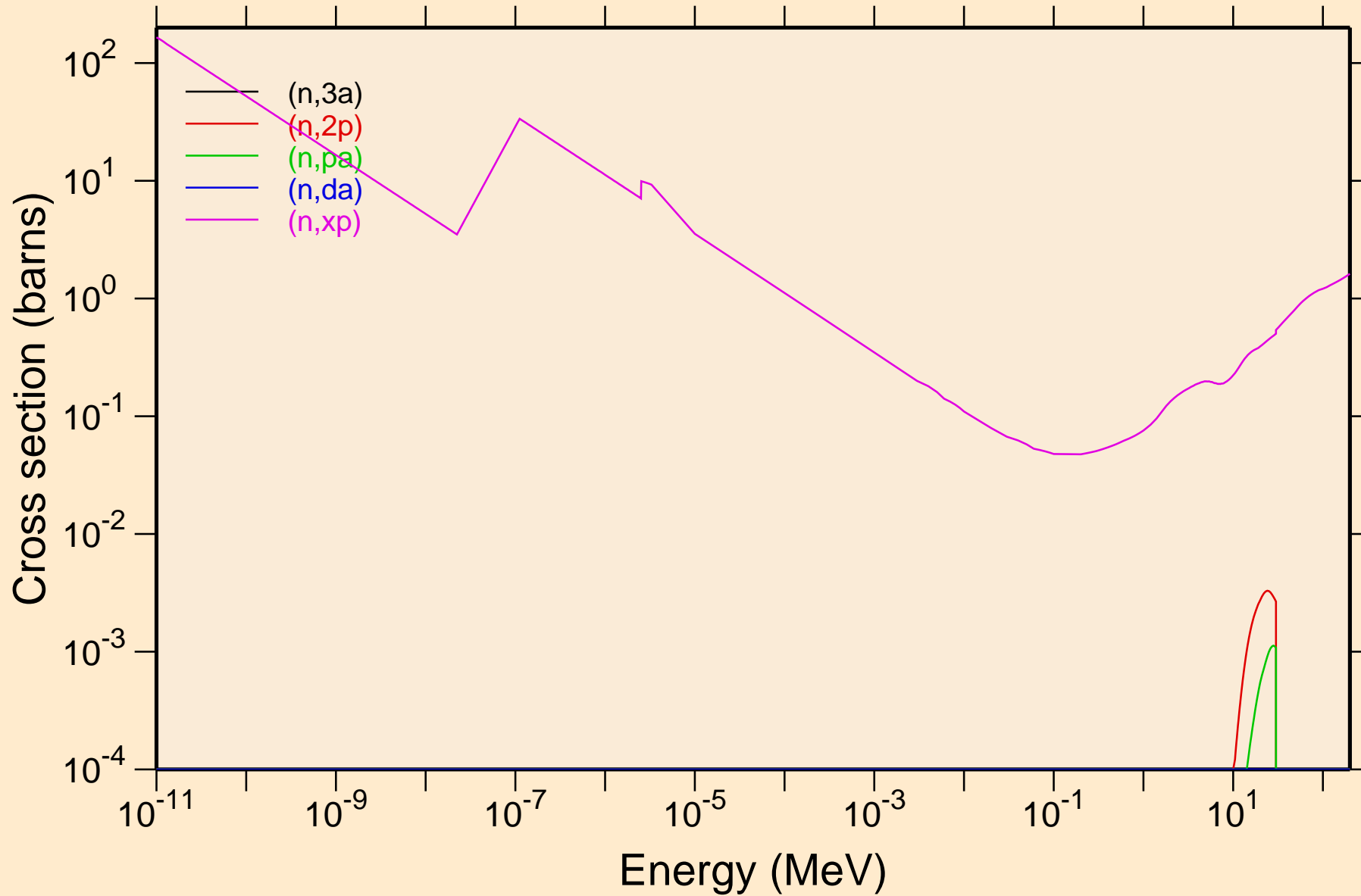
Non-threshold reactions



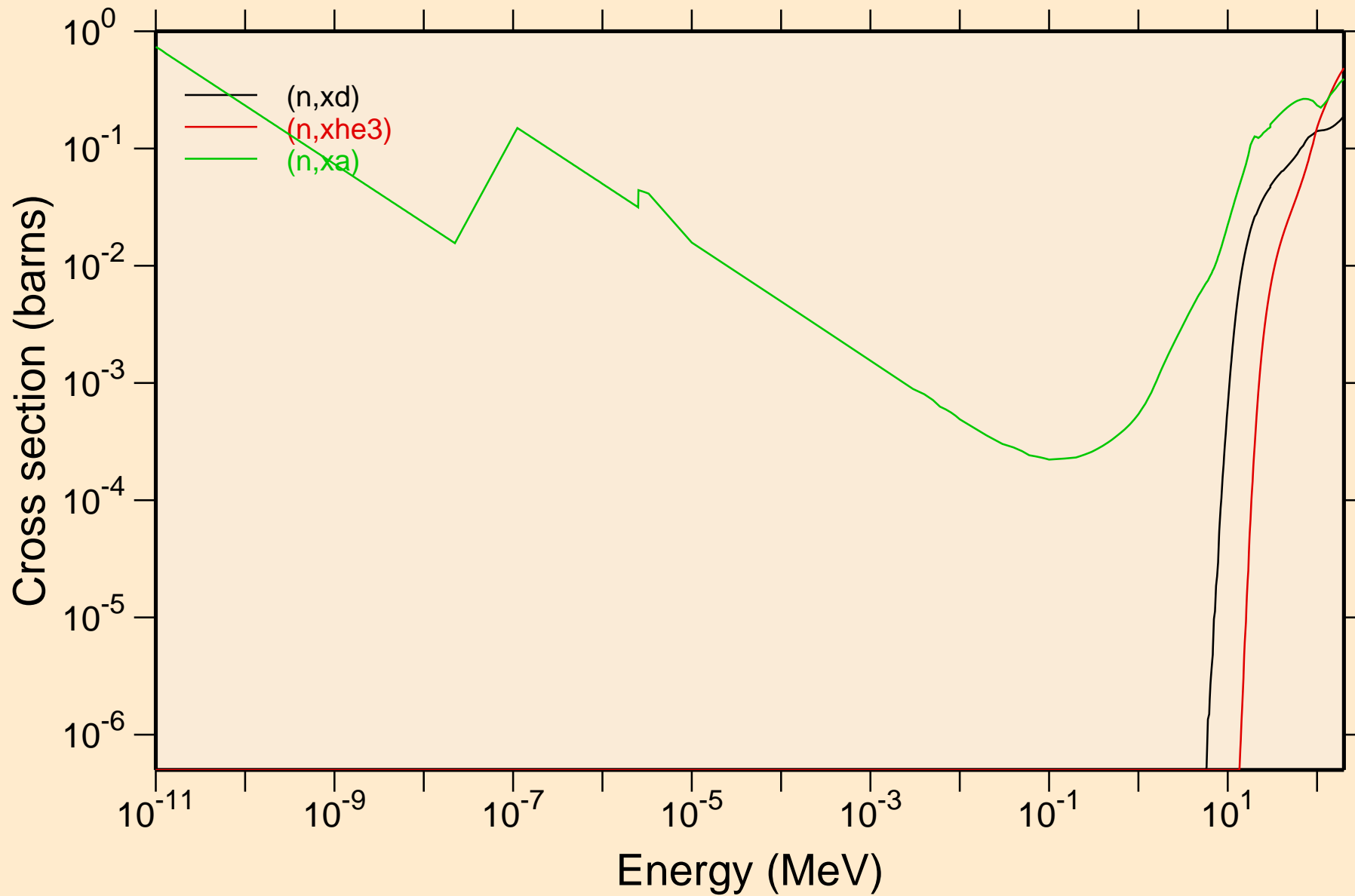
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions



BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Non-threshold reactions

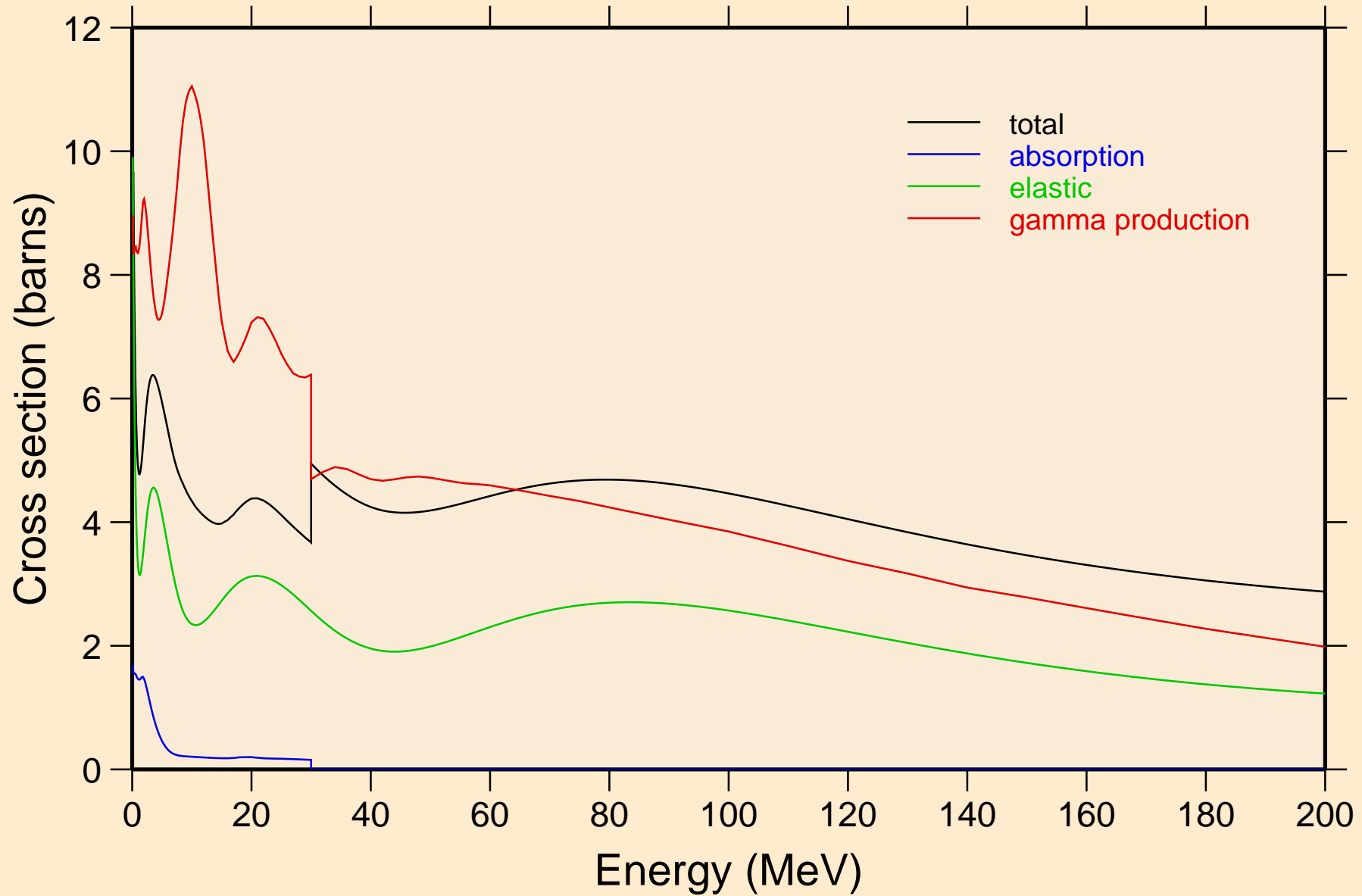


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Non-threshold reactions



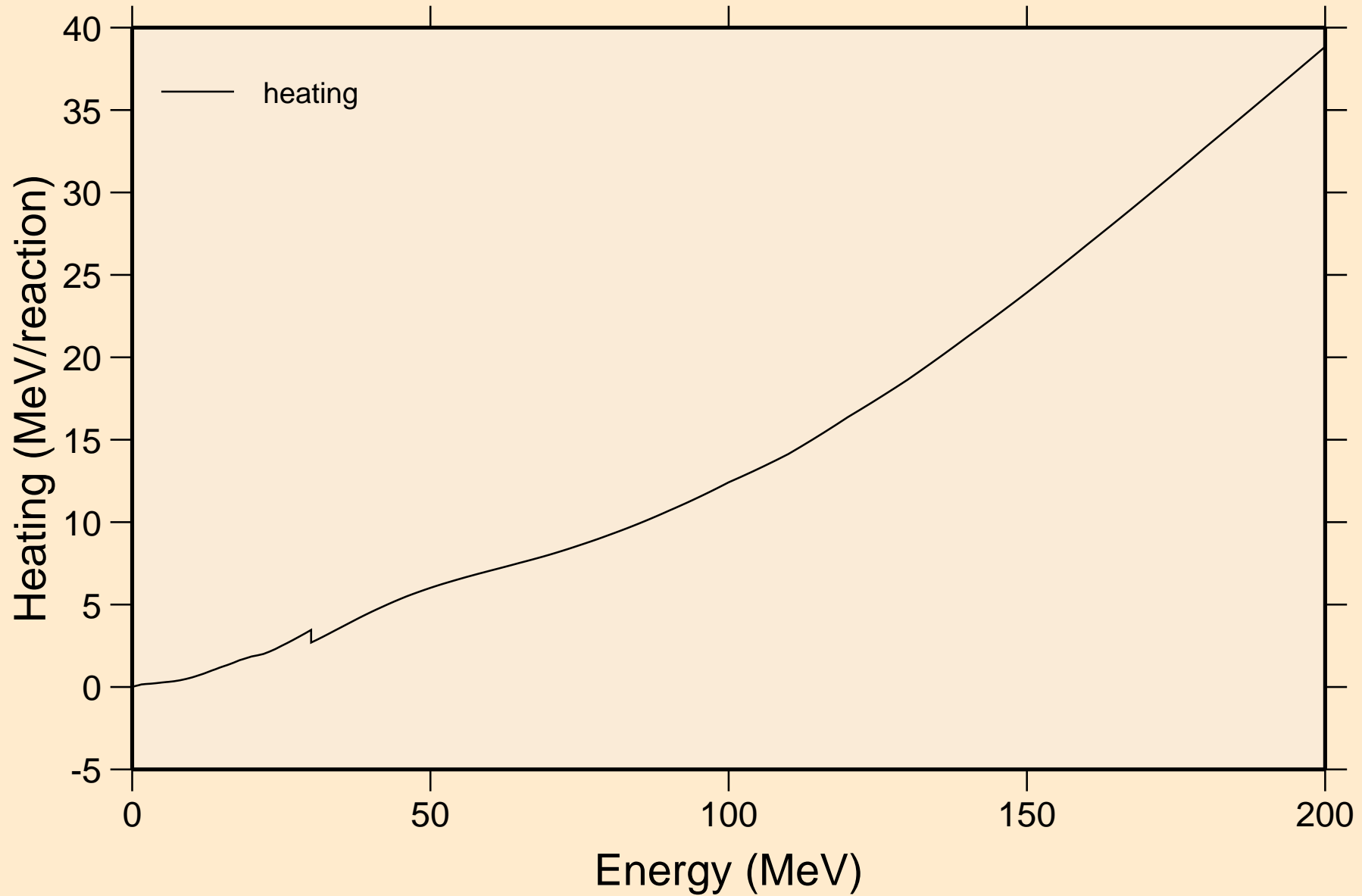
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Principal cross sections

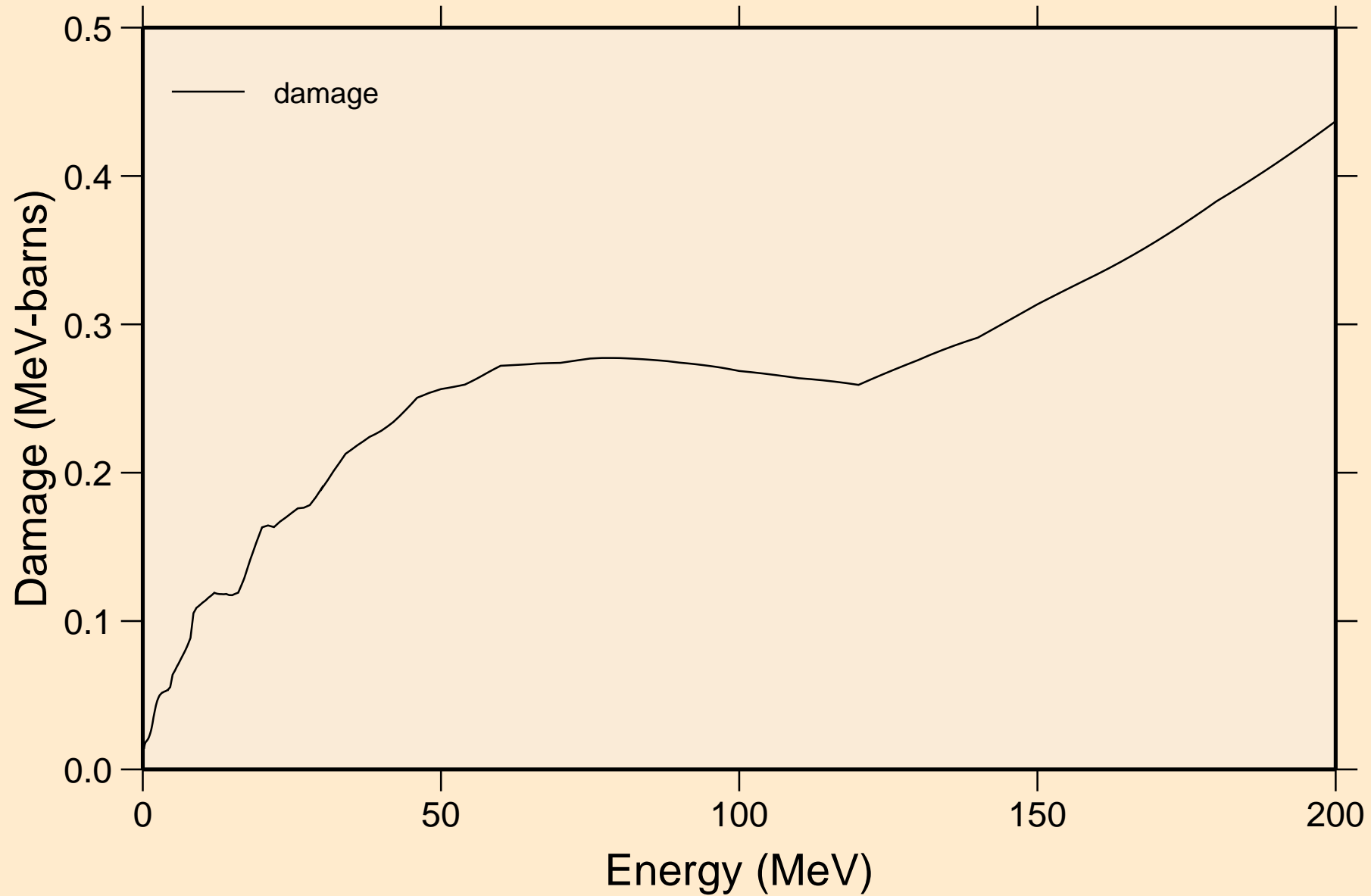


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Heating

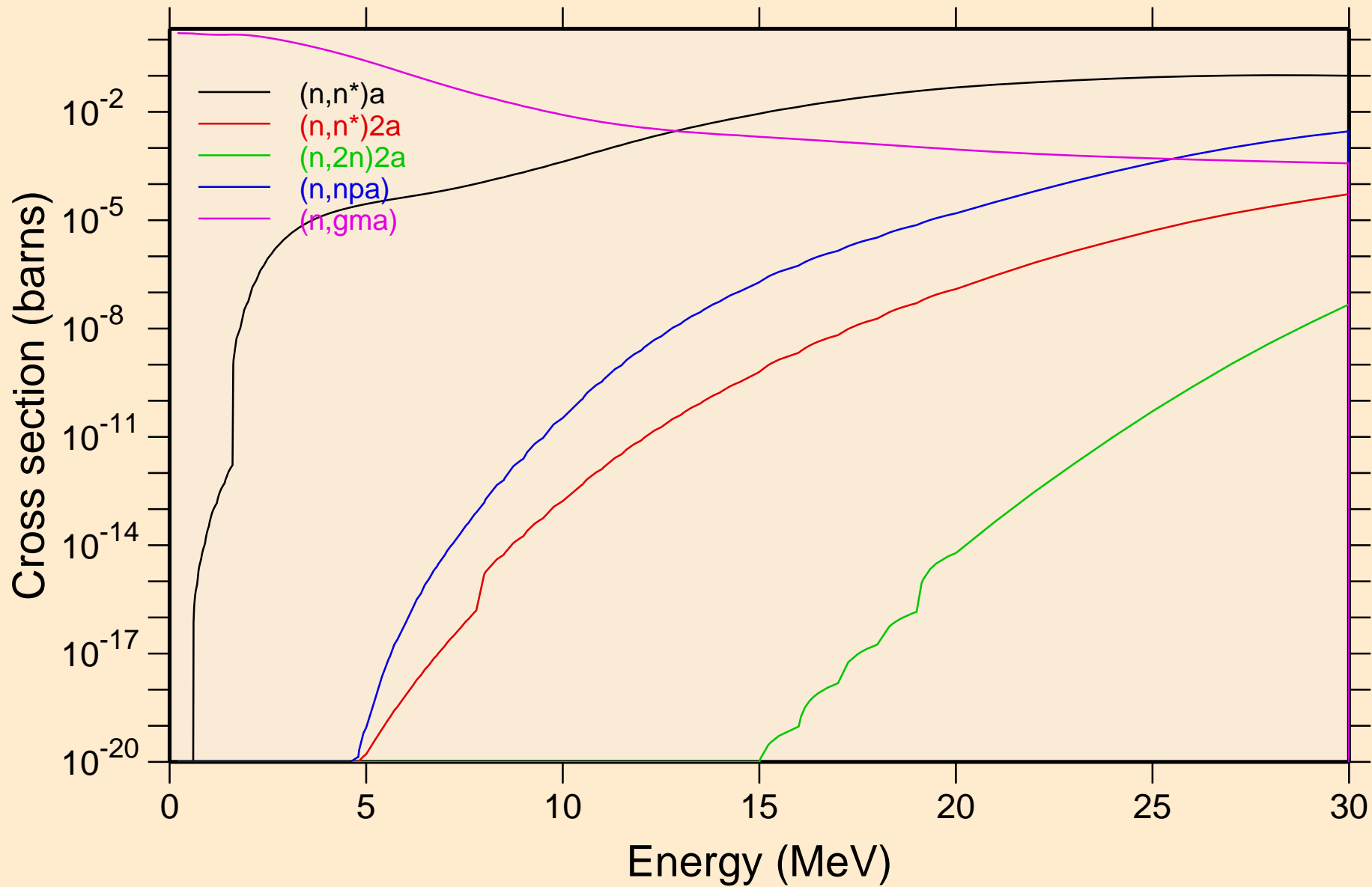


BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Damage



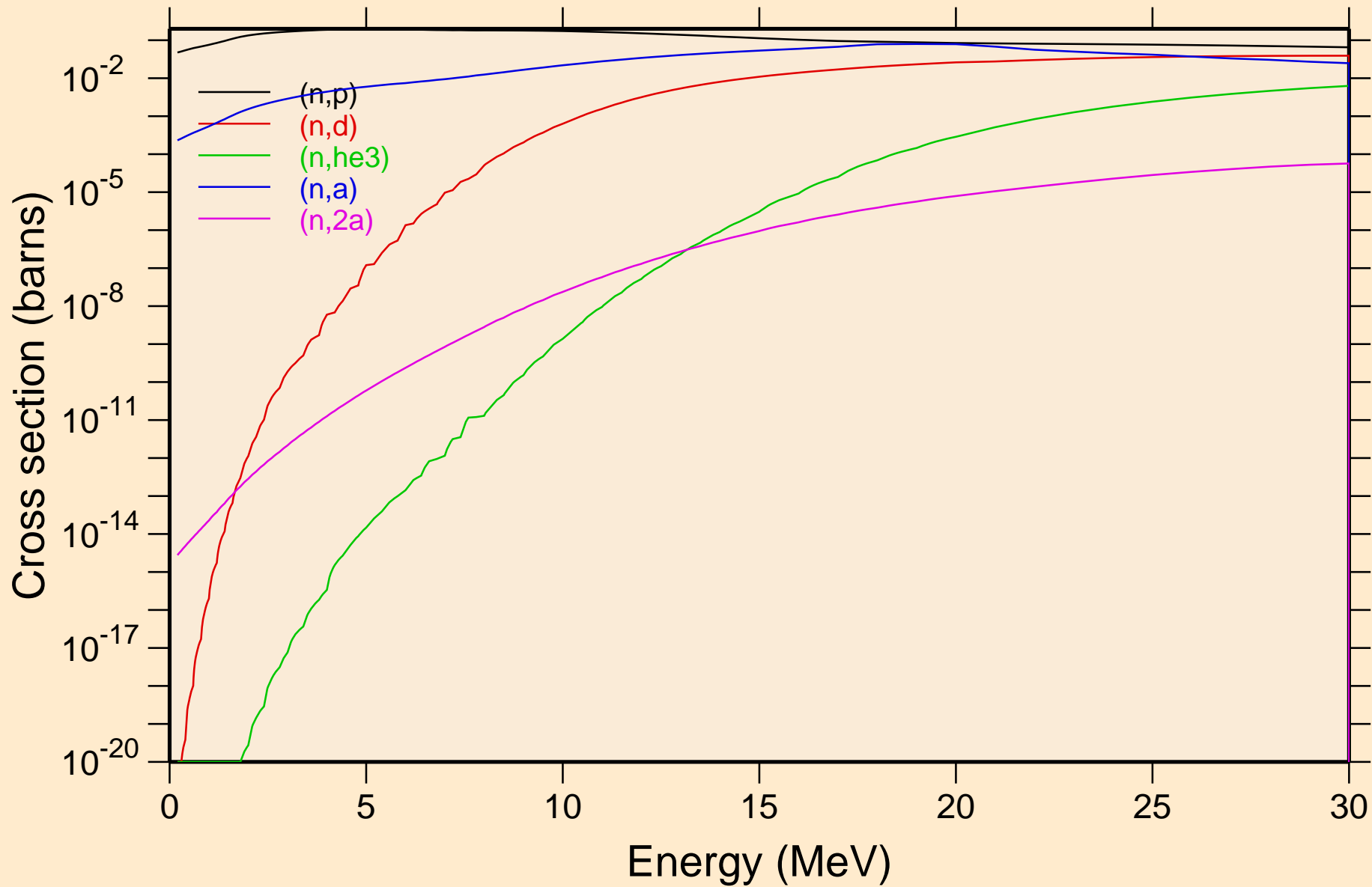
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Non-threshold reactions

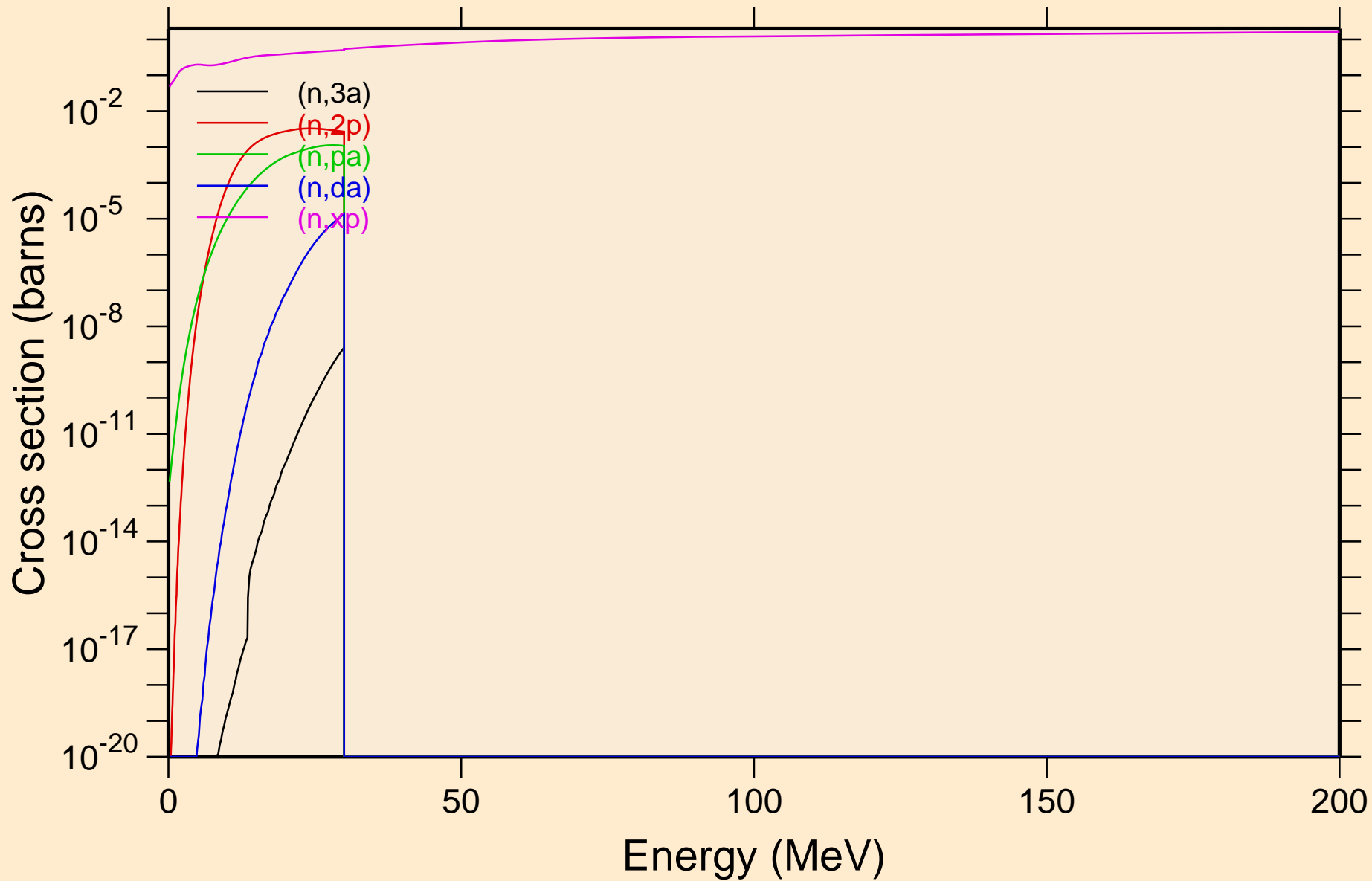


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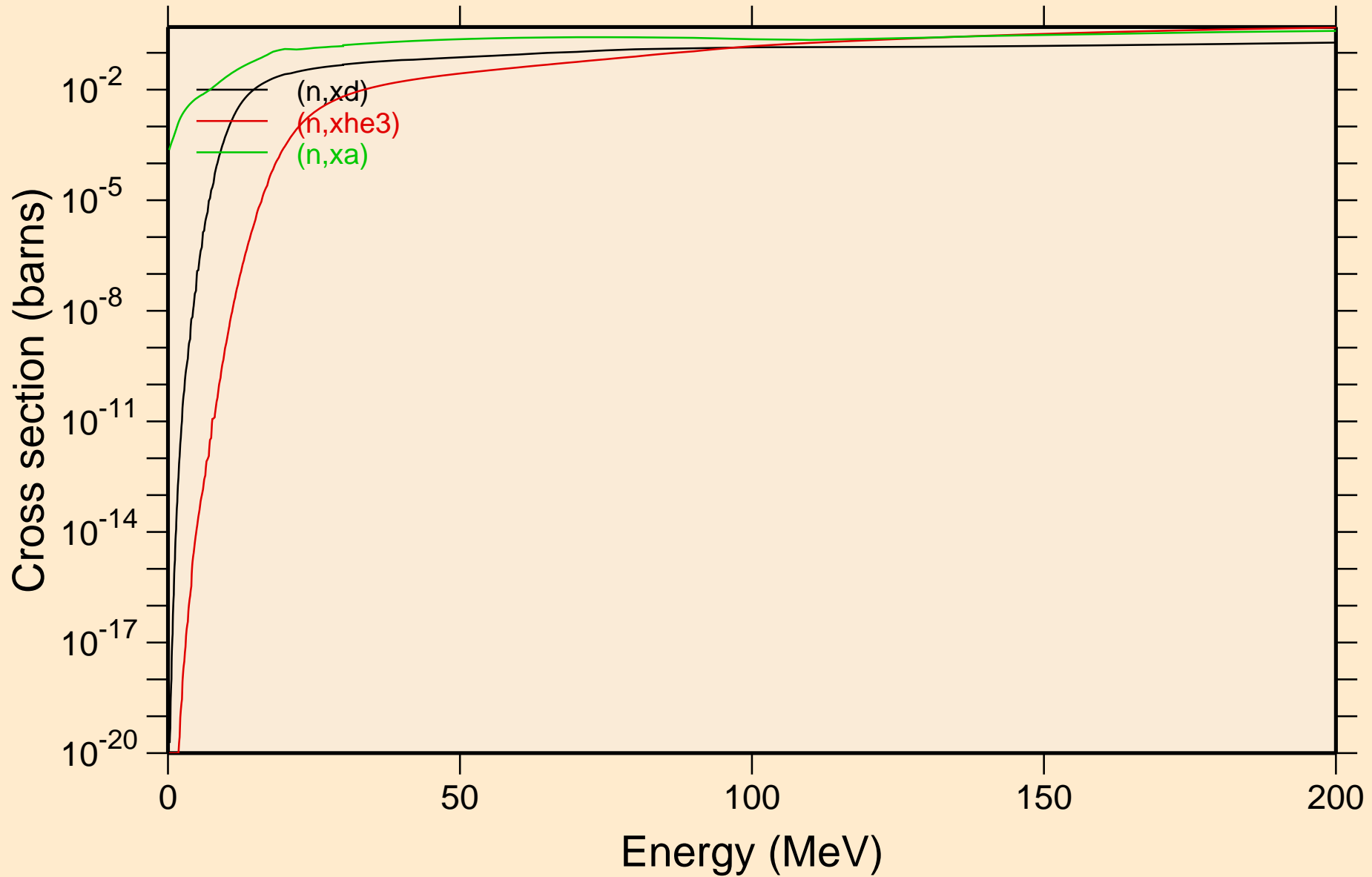
Non-threshold reactions



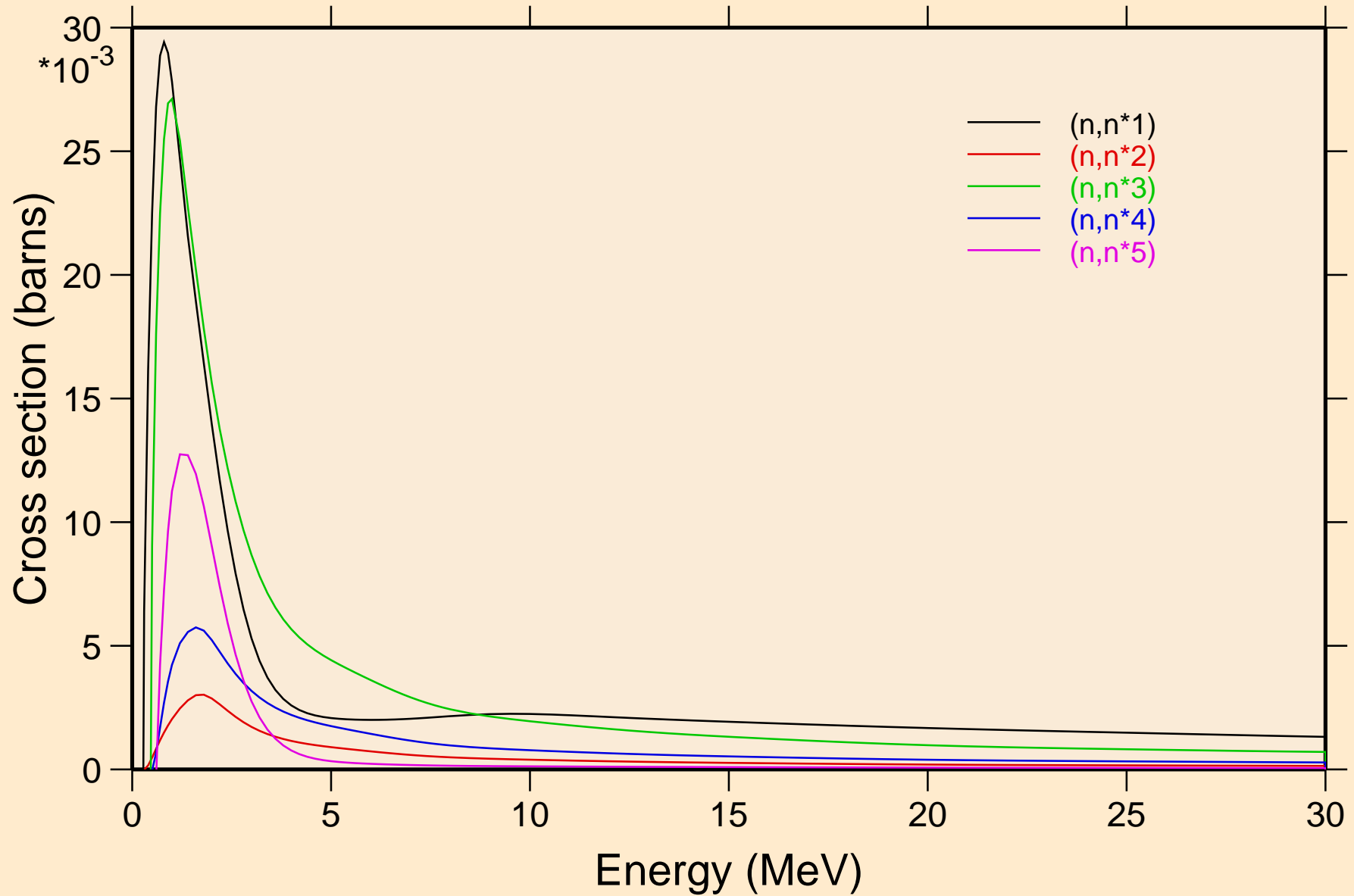
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Non-threshold reactions



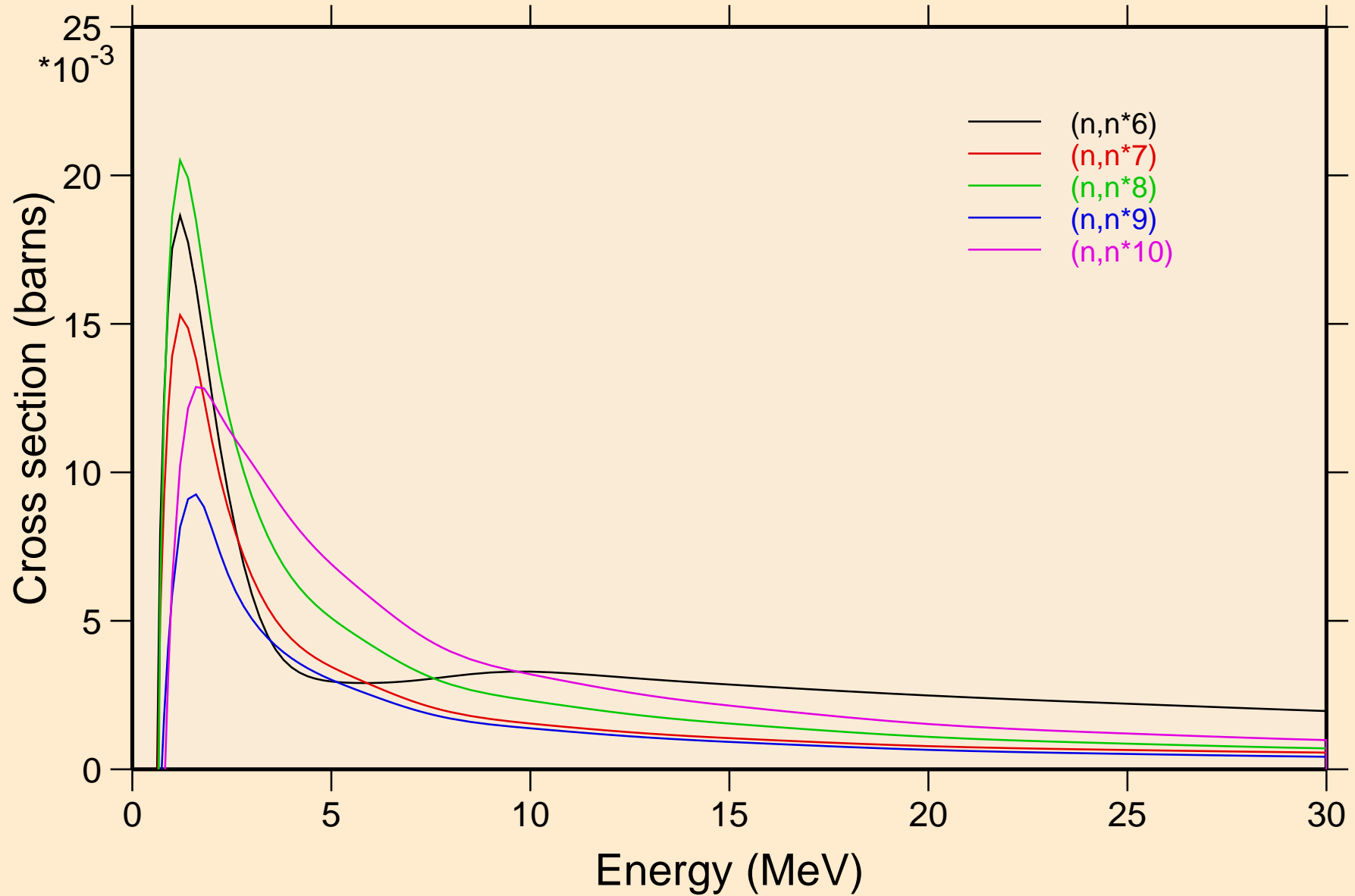
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Non-threshold reactions



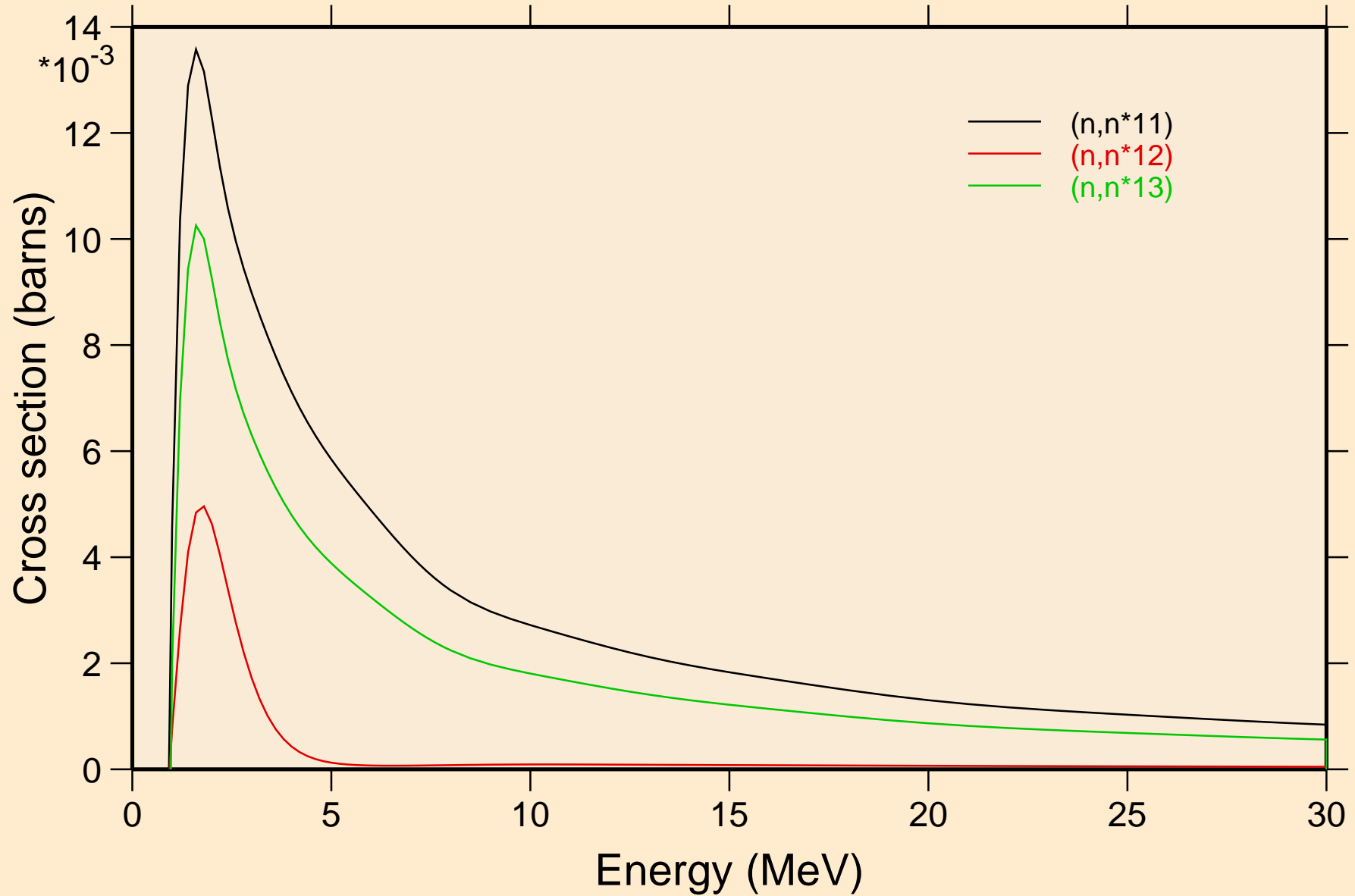
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Inelastic levels



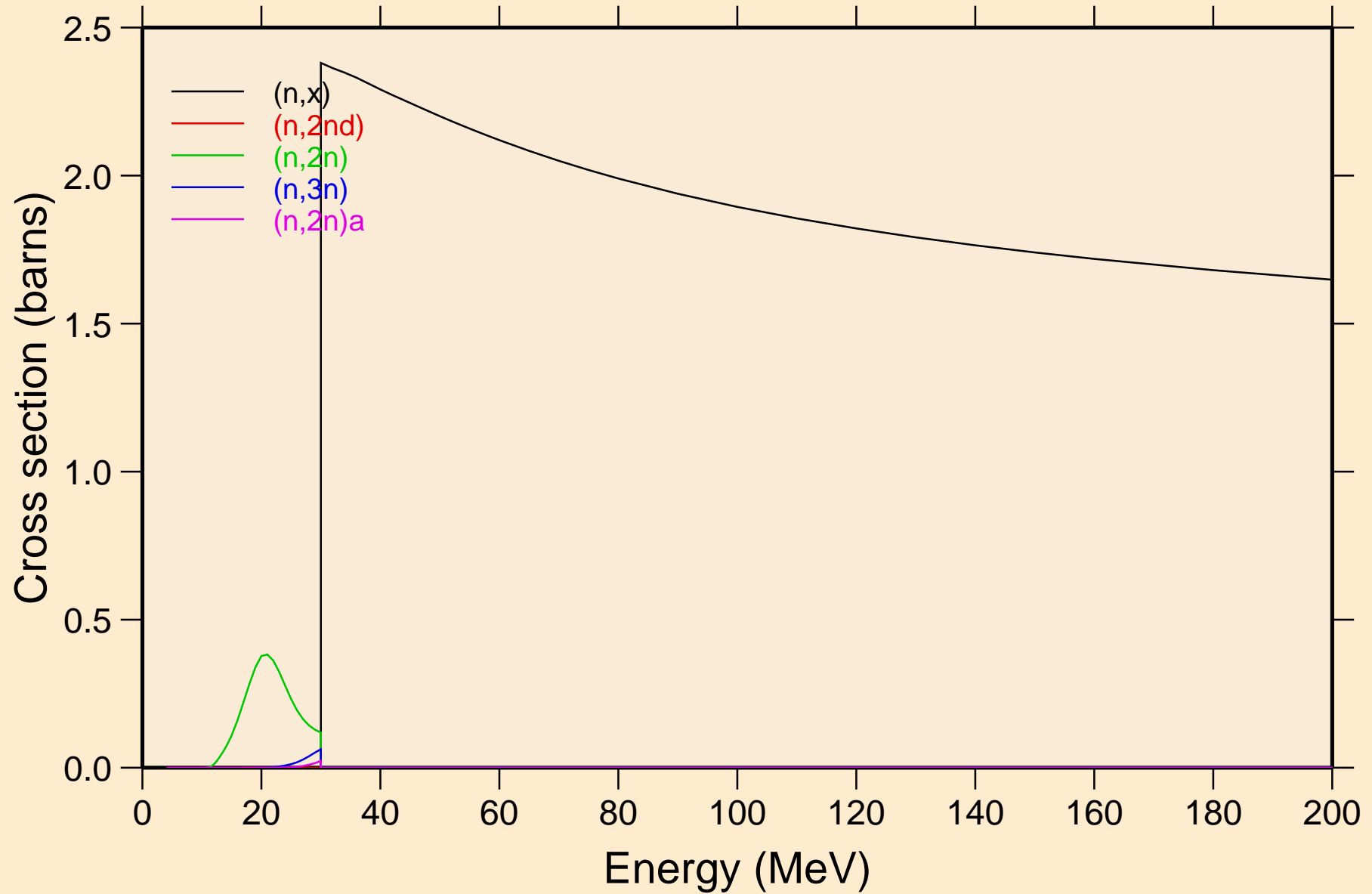
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels



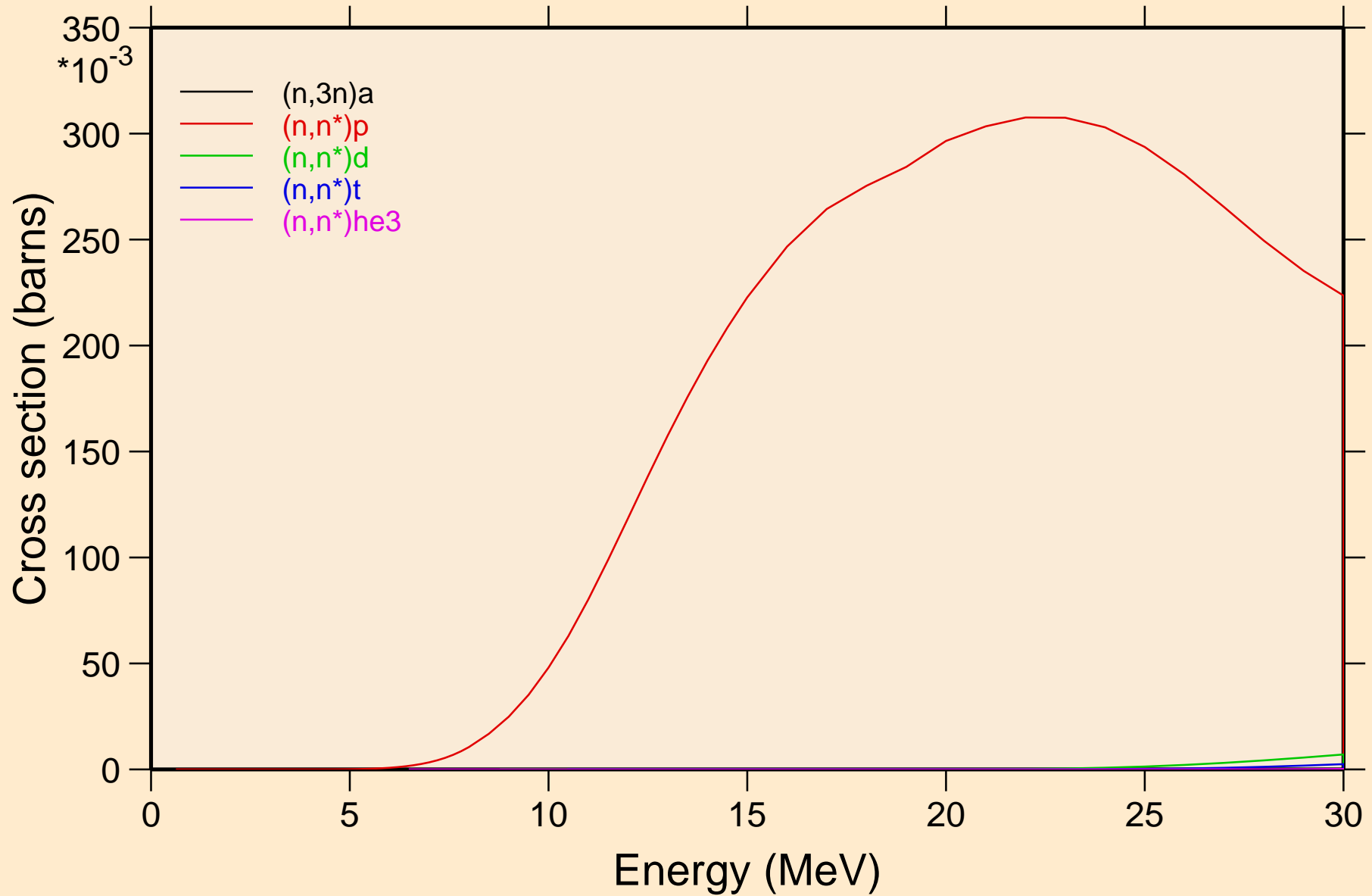
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Inelastic levels



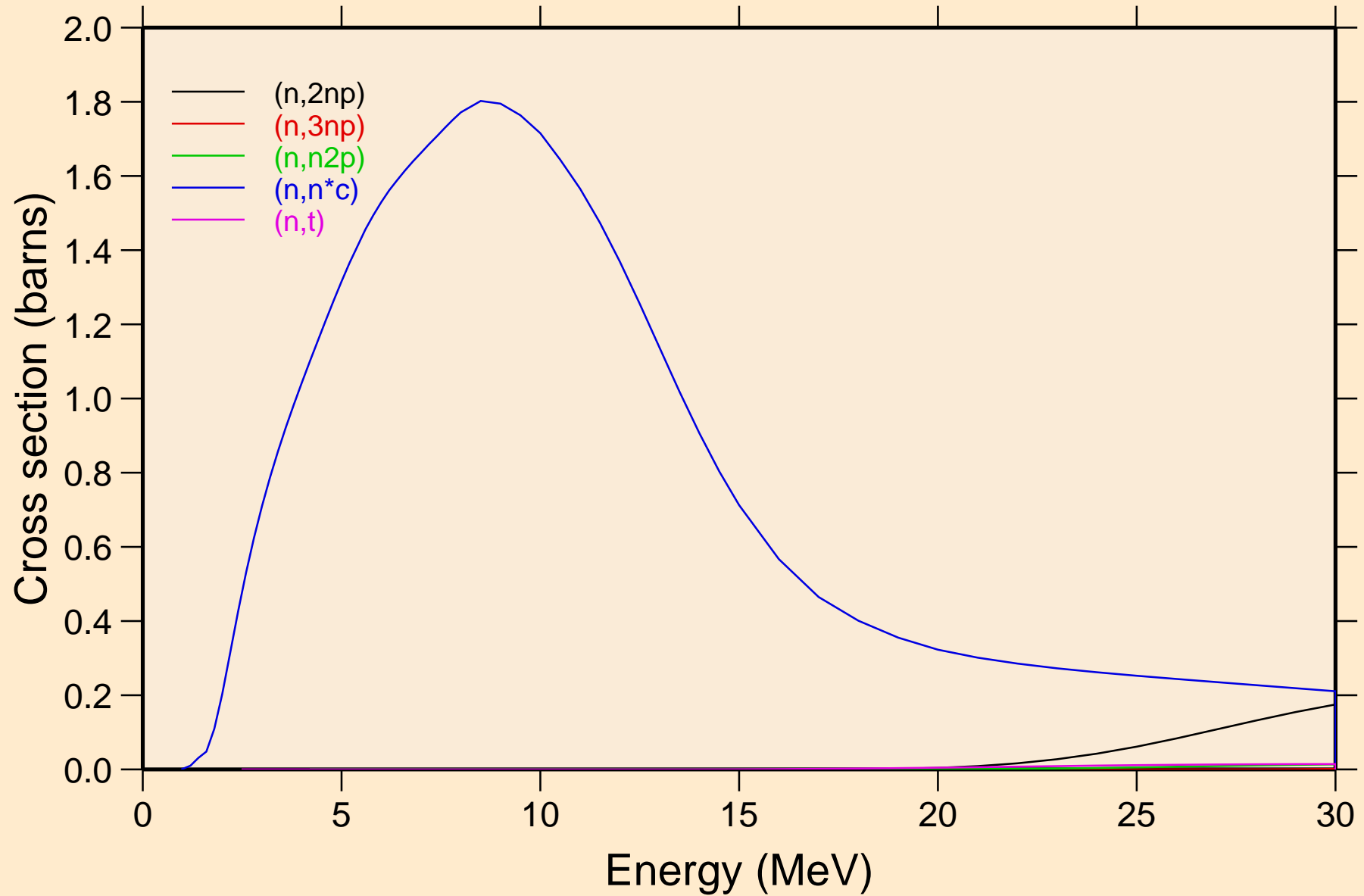
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Threshold reactions



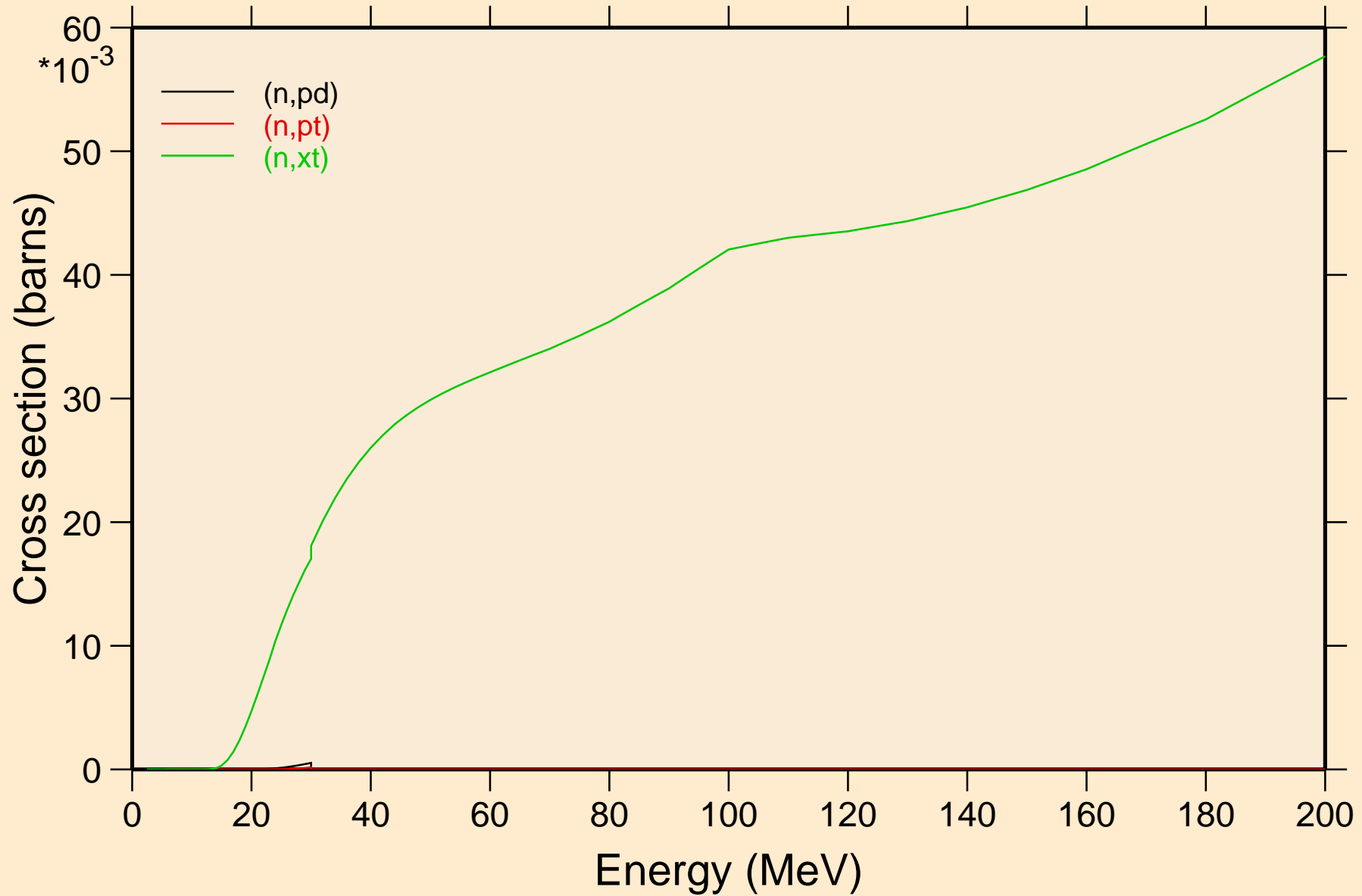
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Threshold reactions



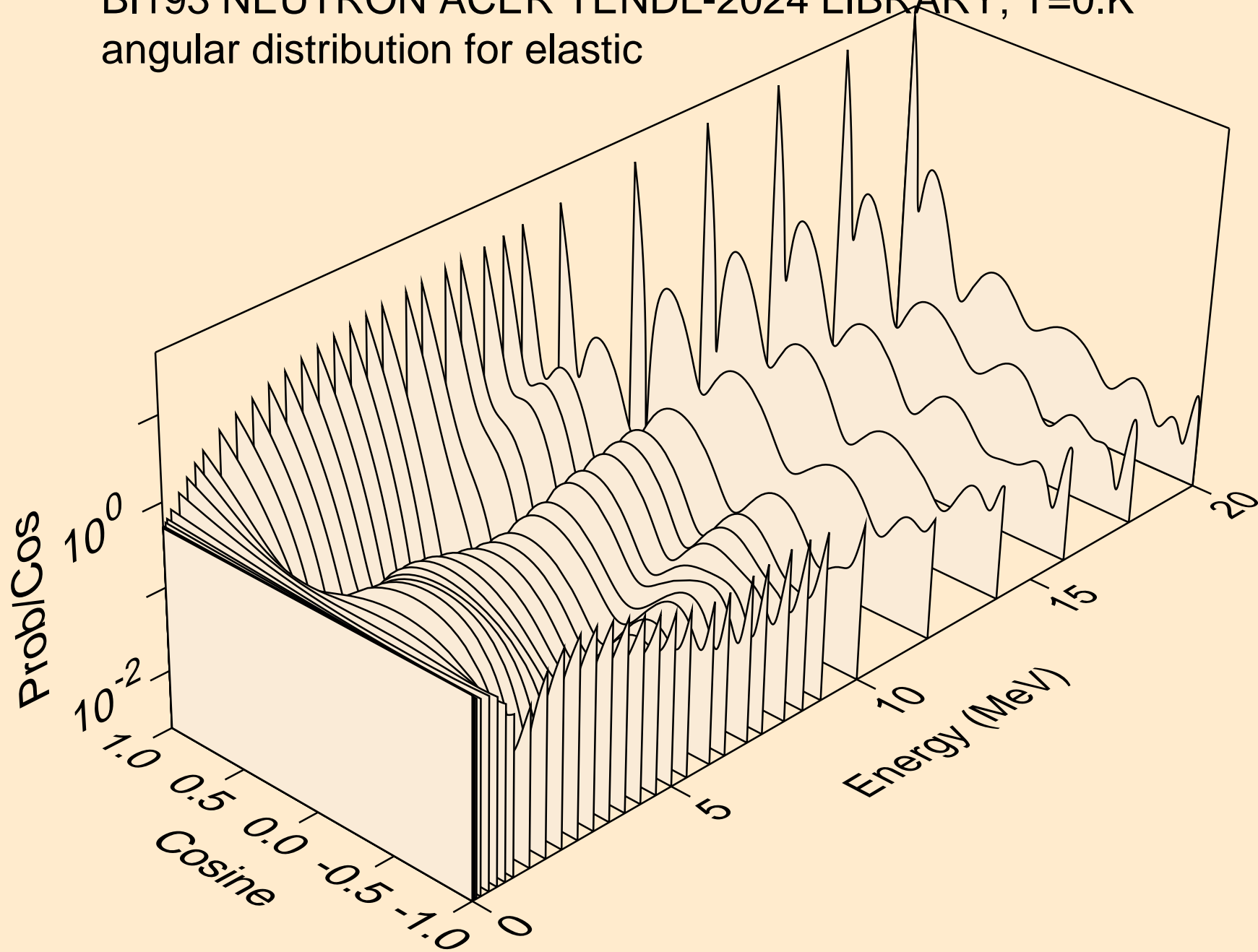
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions



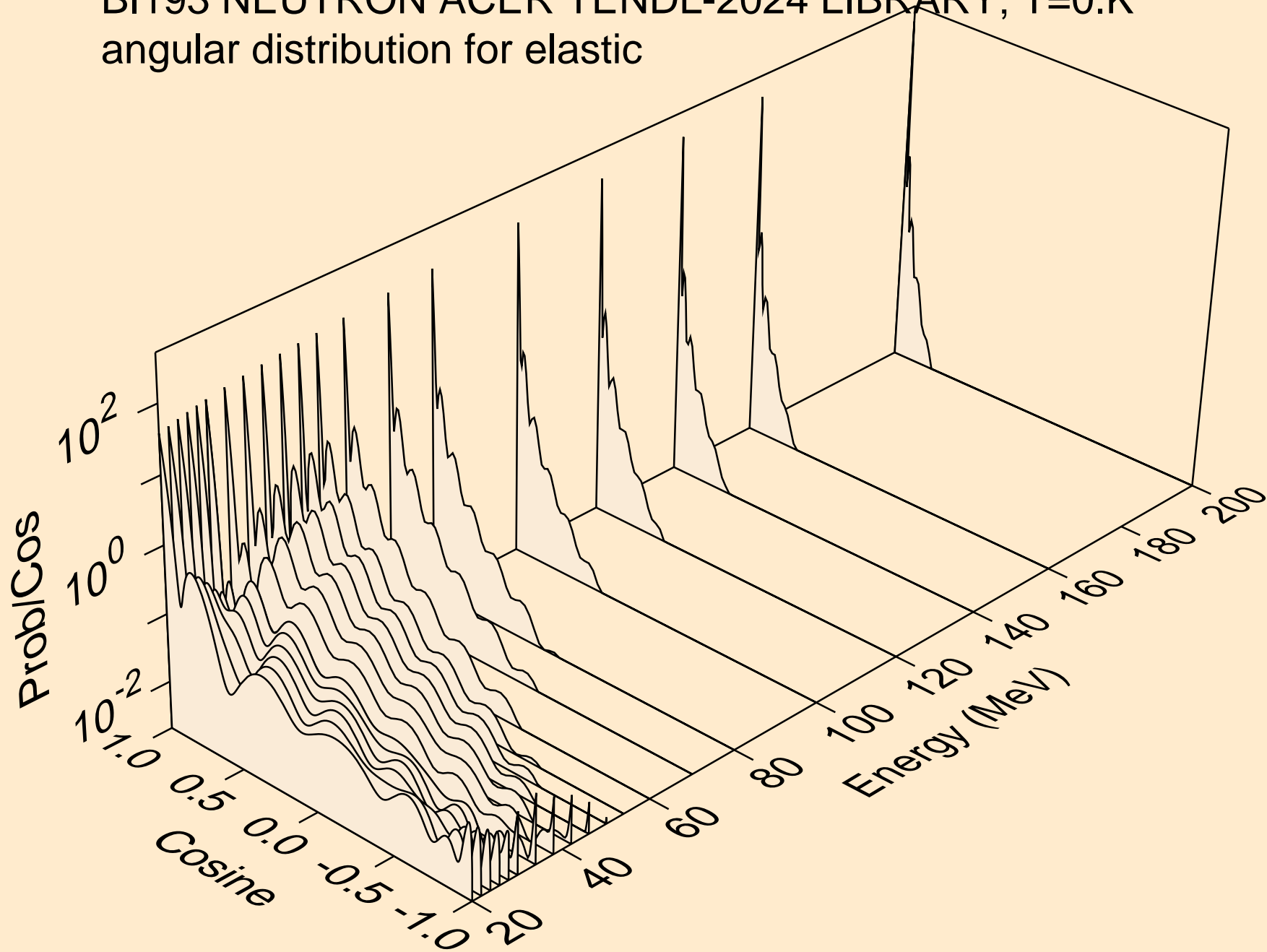
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions



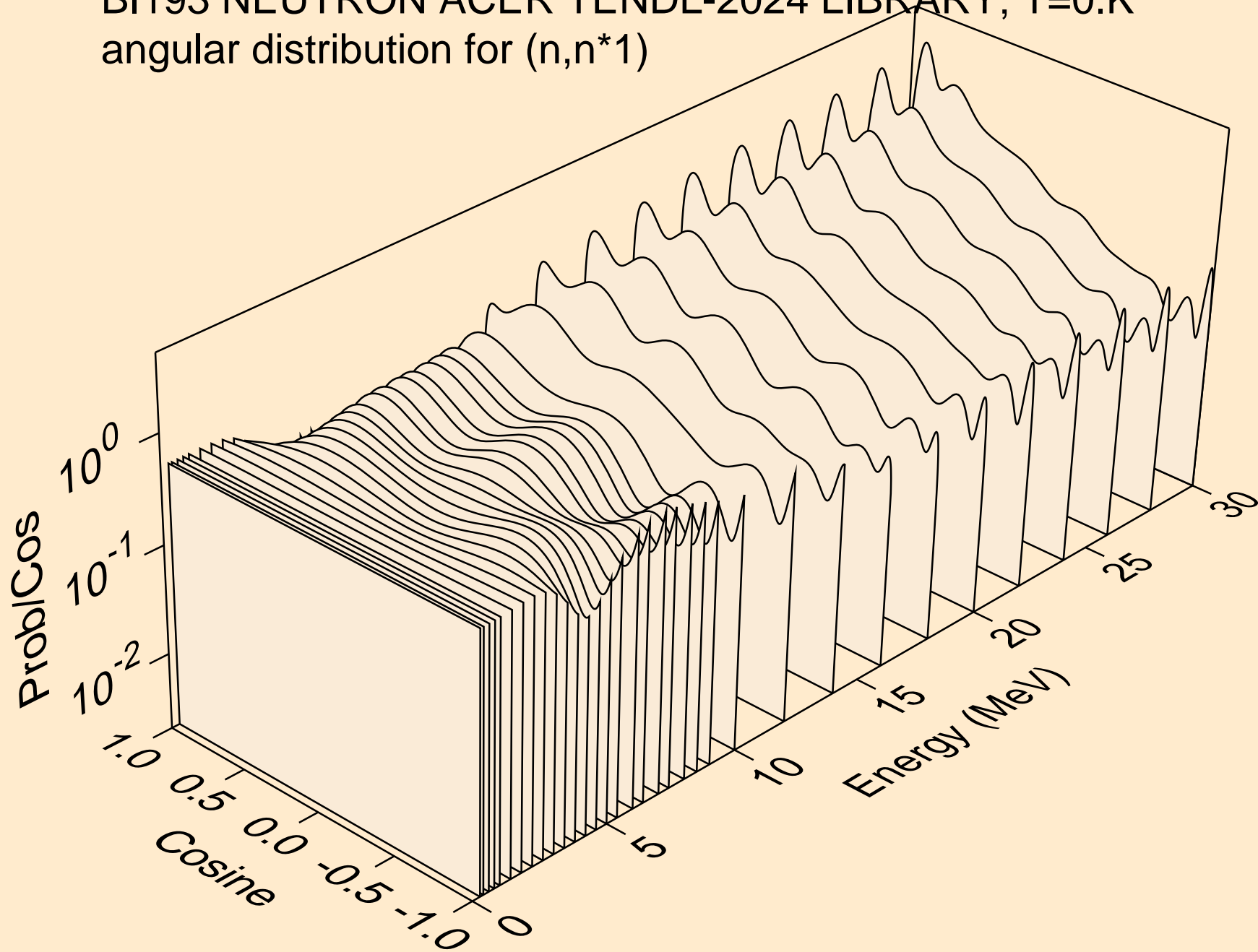
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic



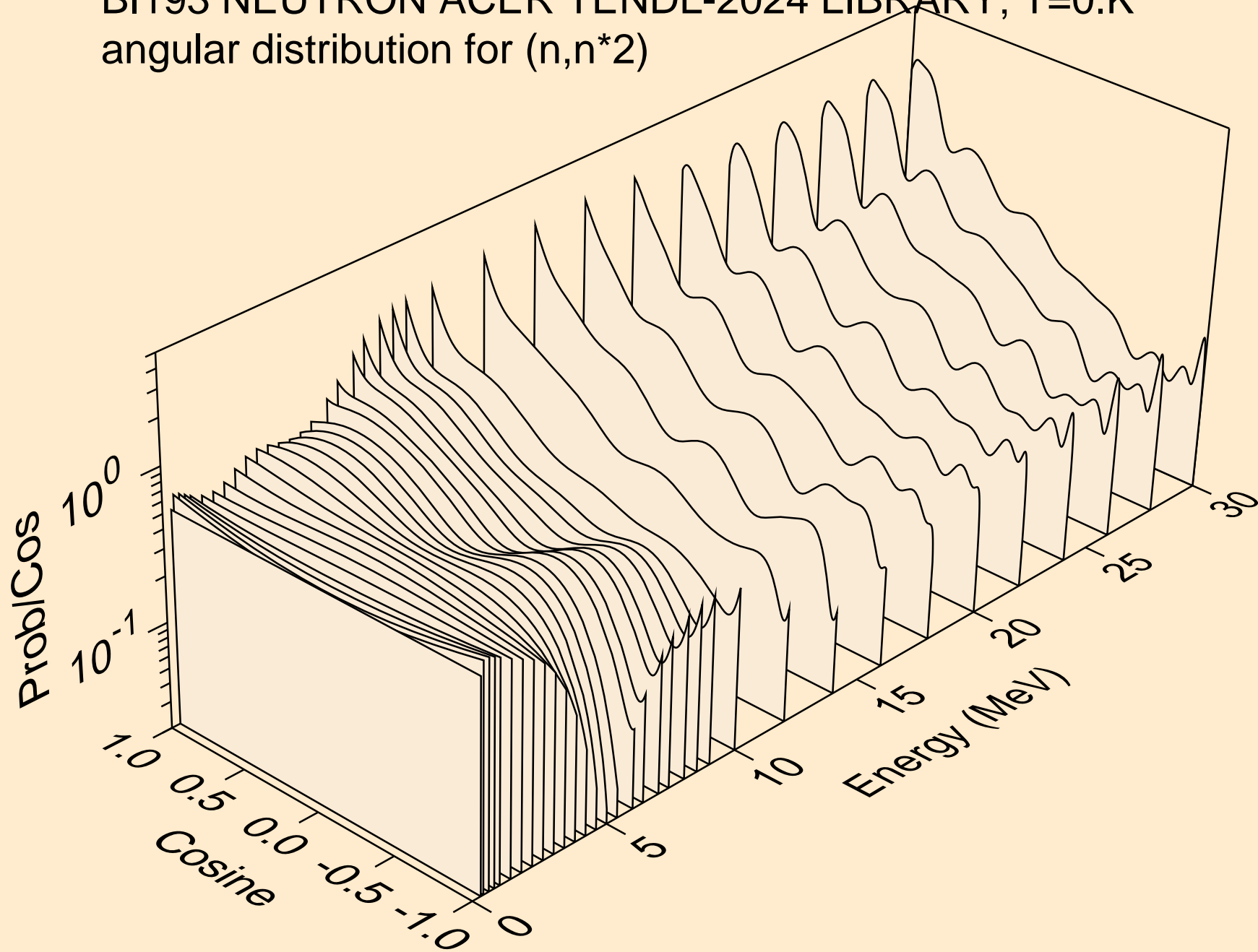
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angular distribution for elastic



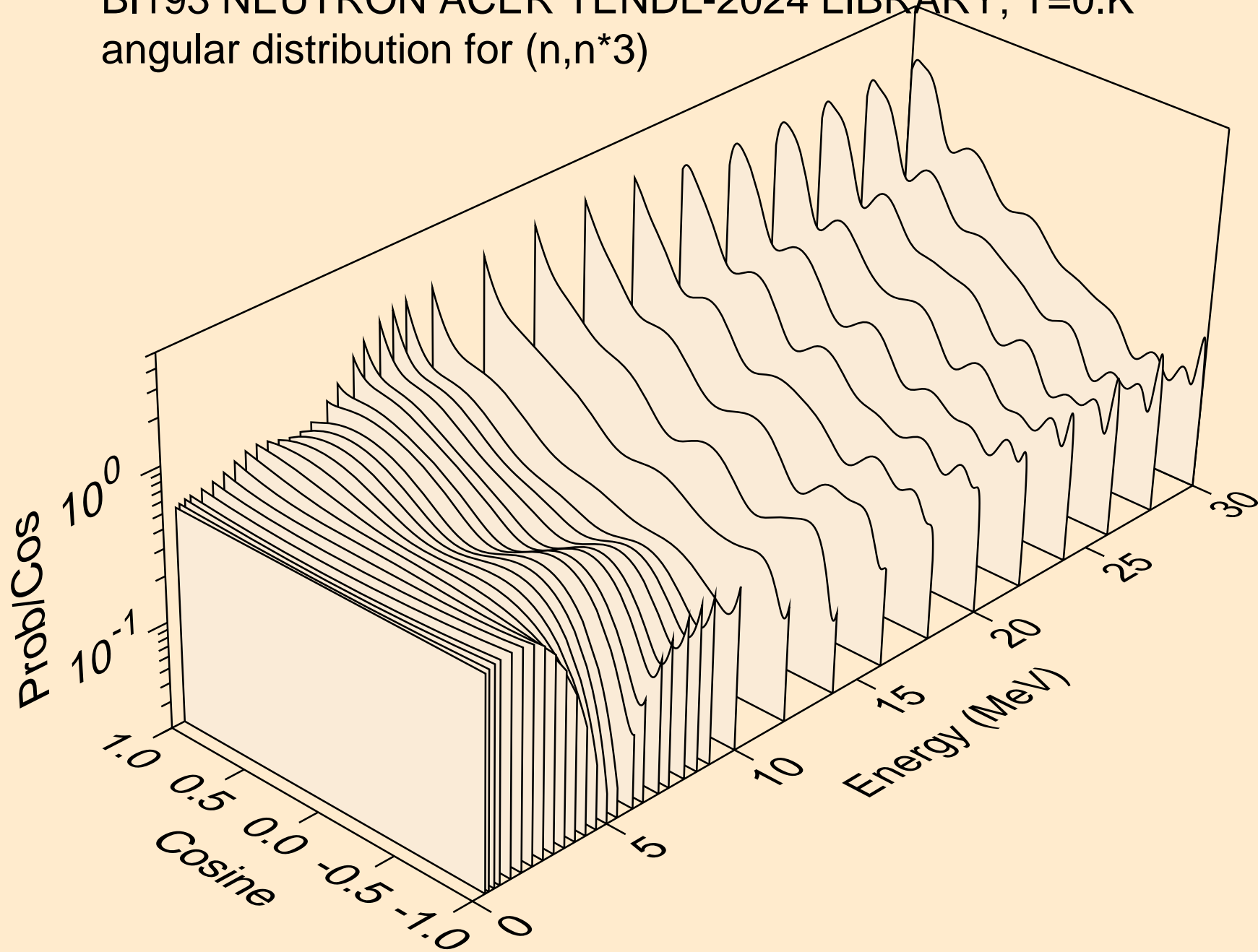
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for (n,n*1)



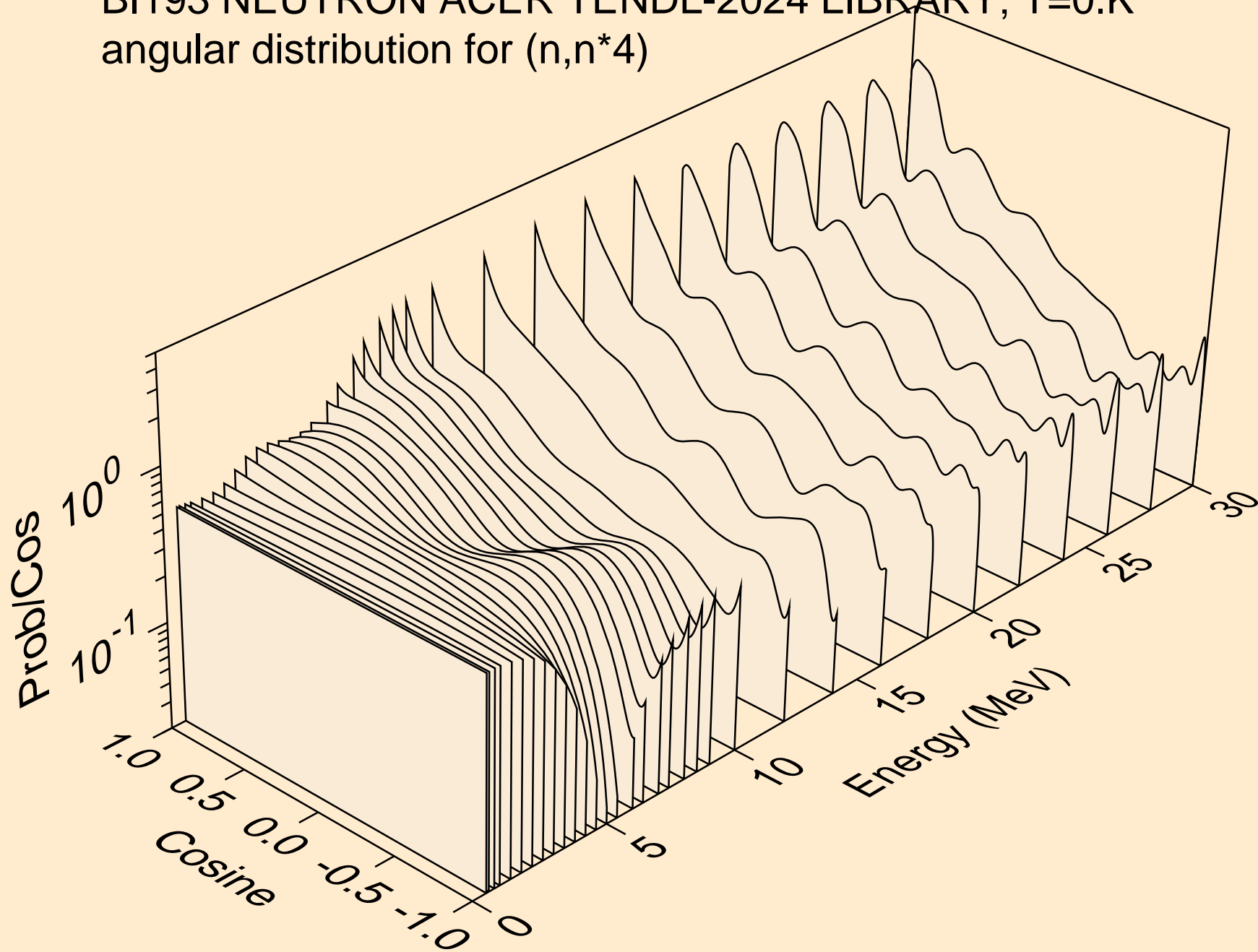
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angular distribution for (n,n*2)



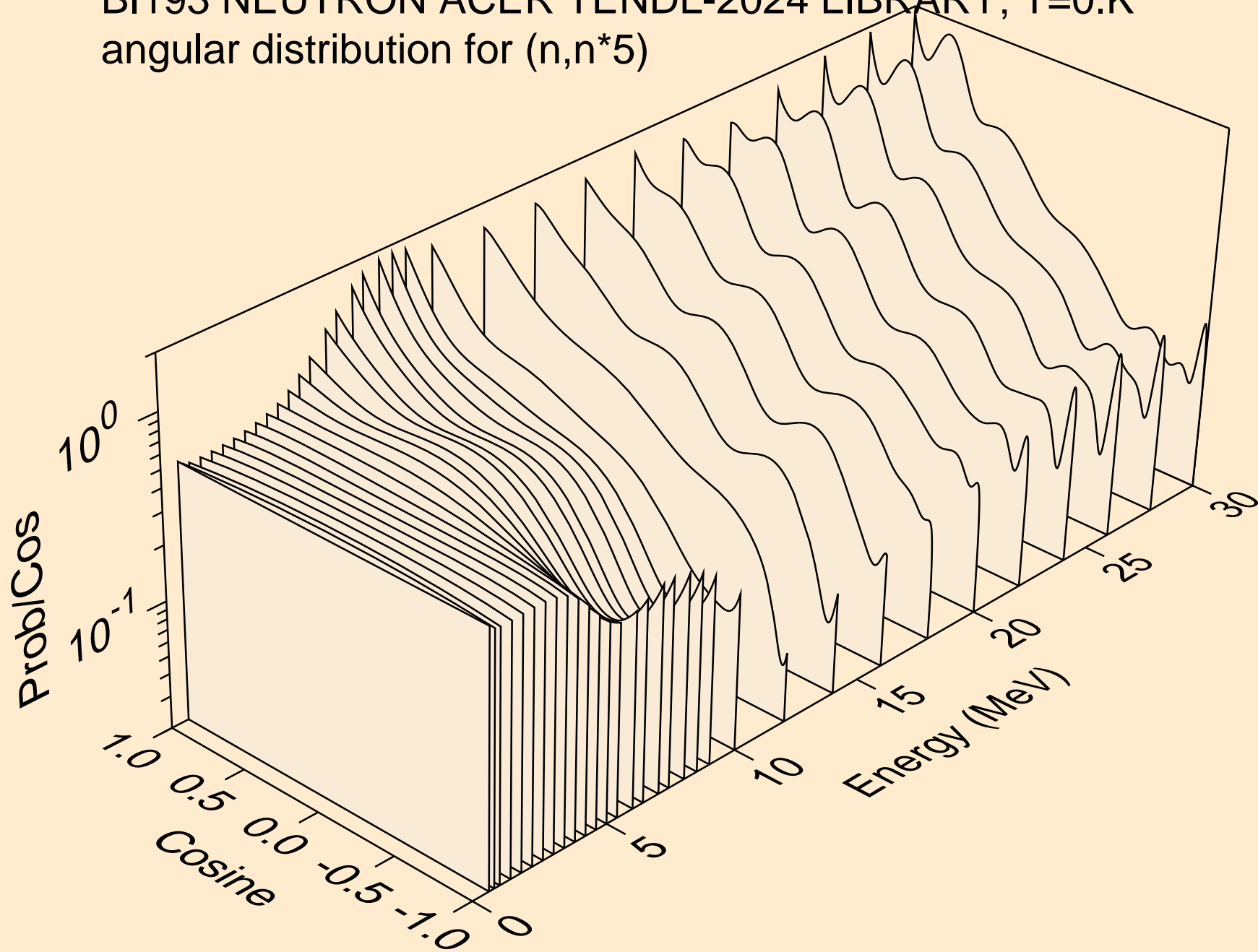
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angular distribution for (n,n*3)



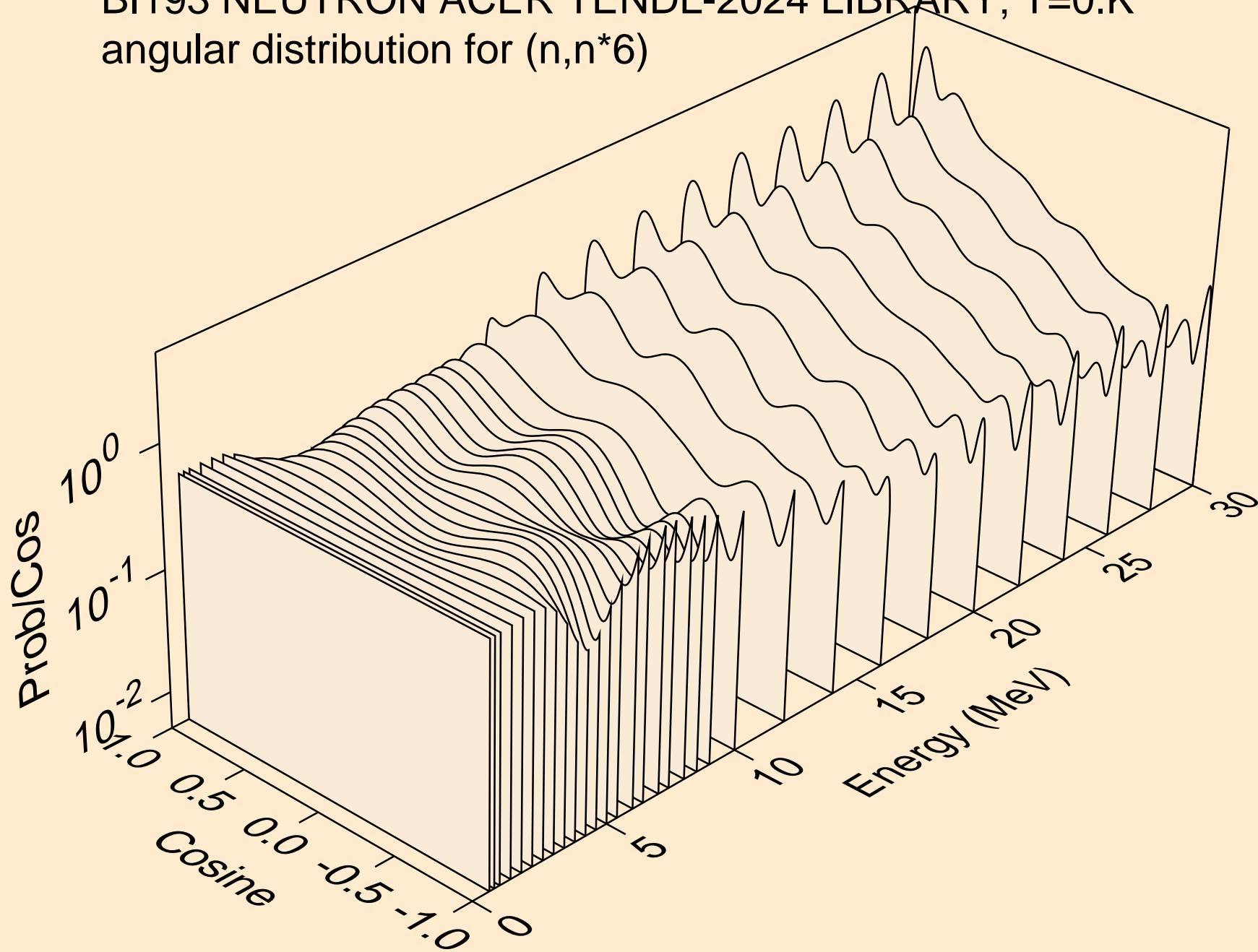
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angular distribution for (n,n*4)



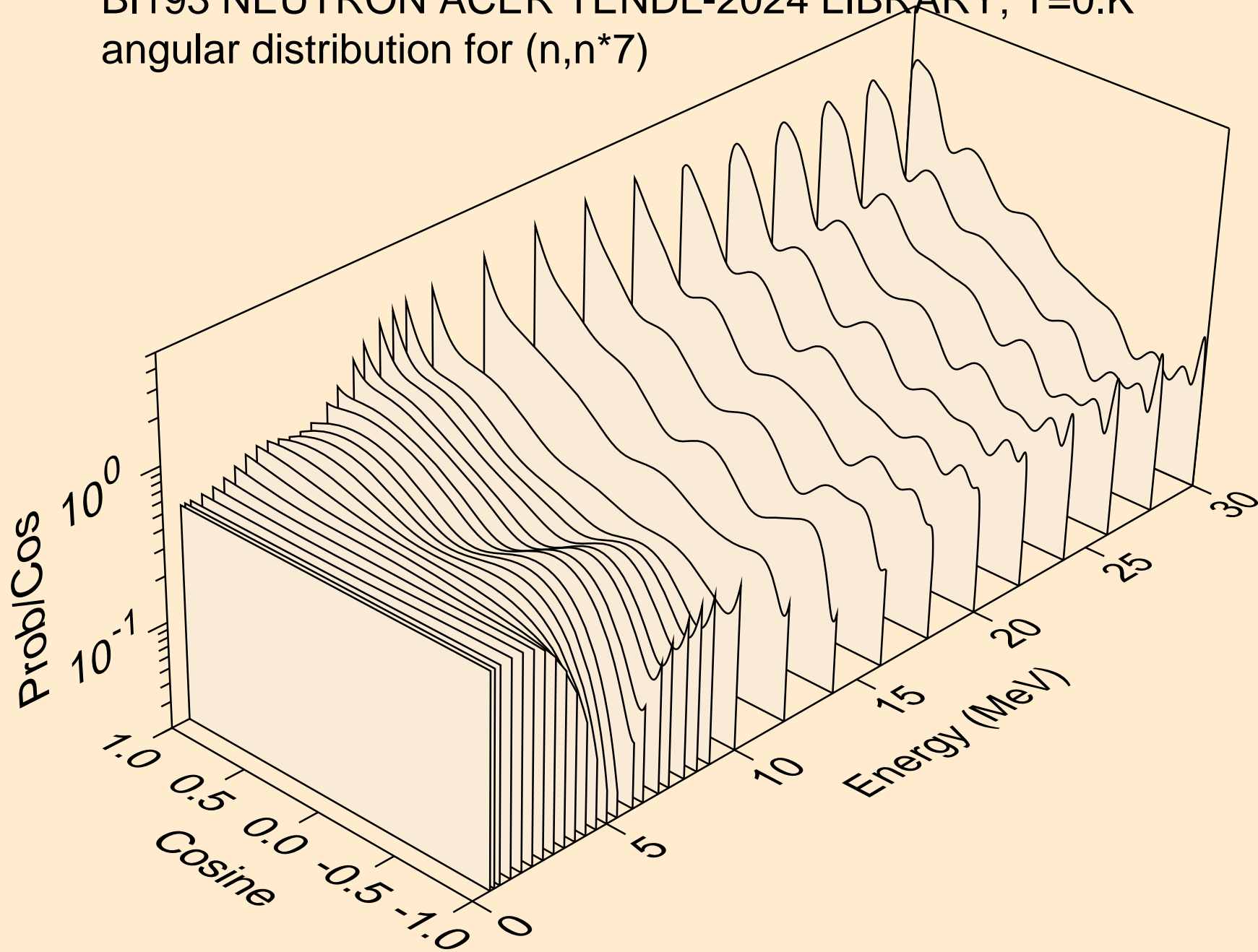
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angular distribution for (n,n*5)



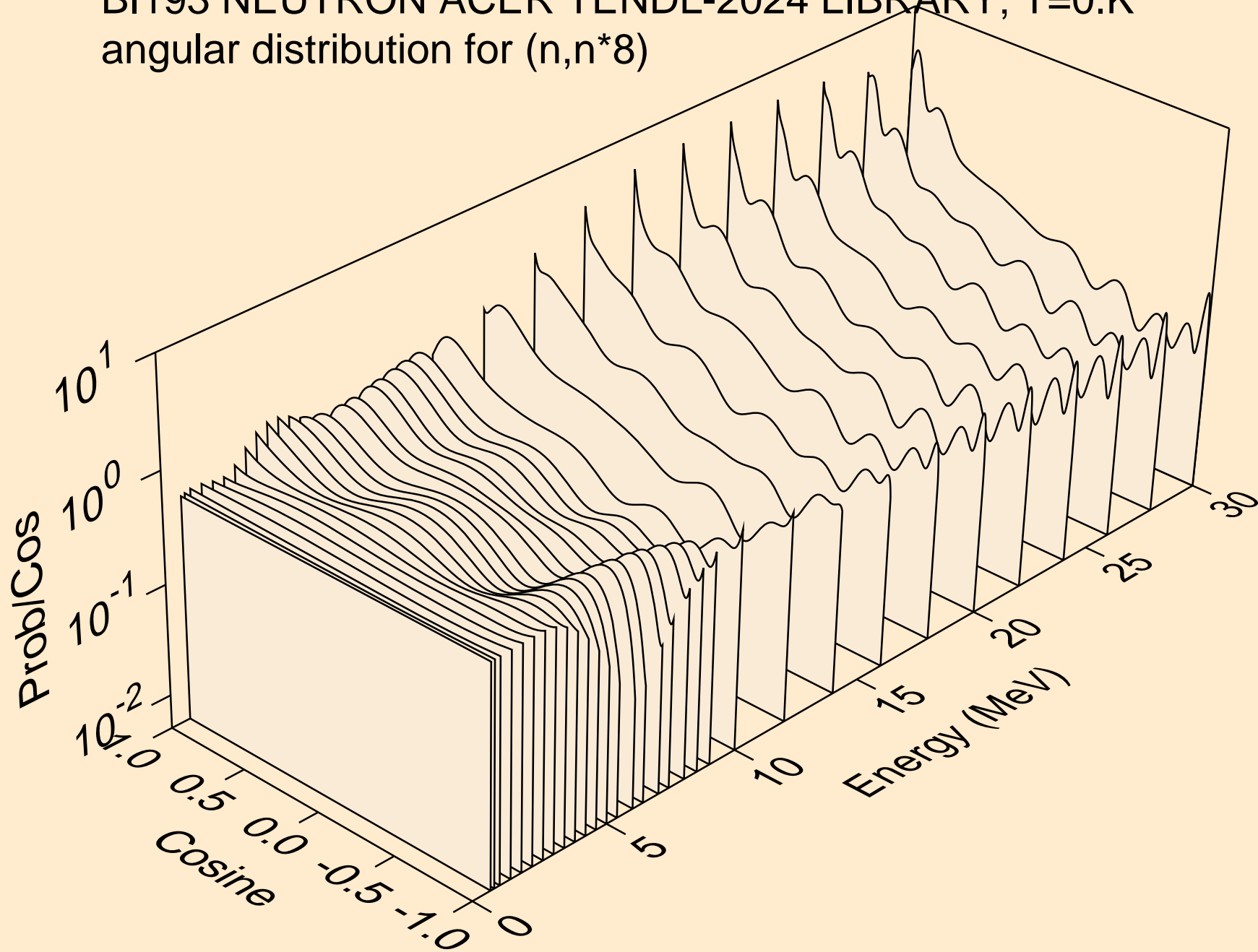
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angular distribution for (n,n*6)



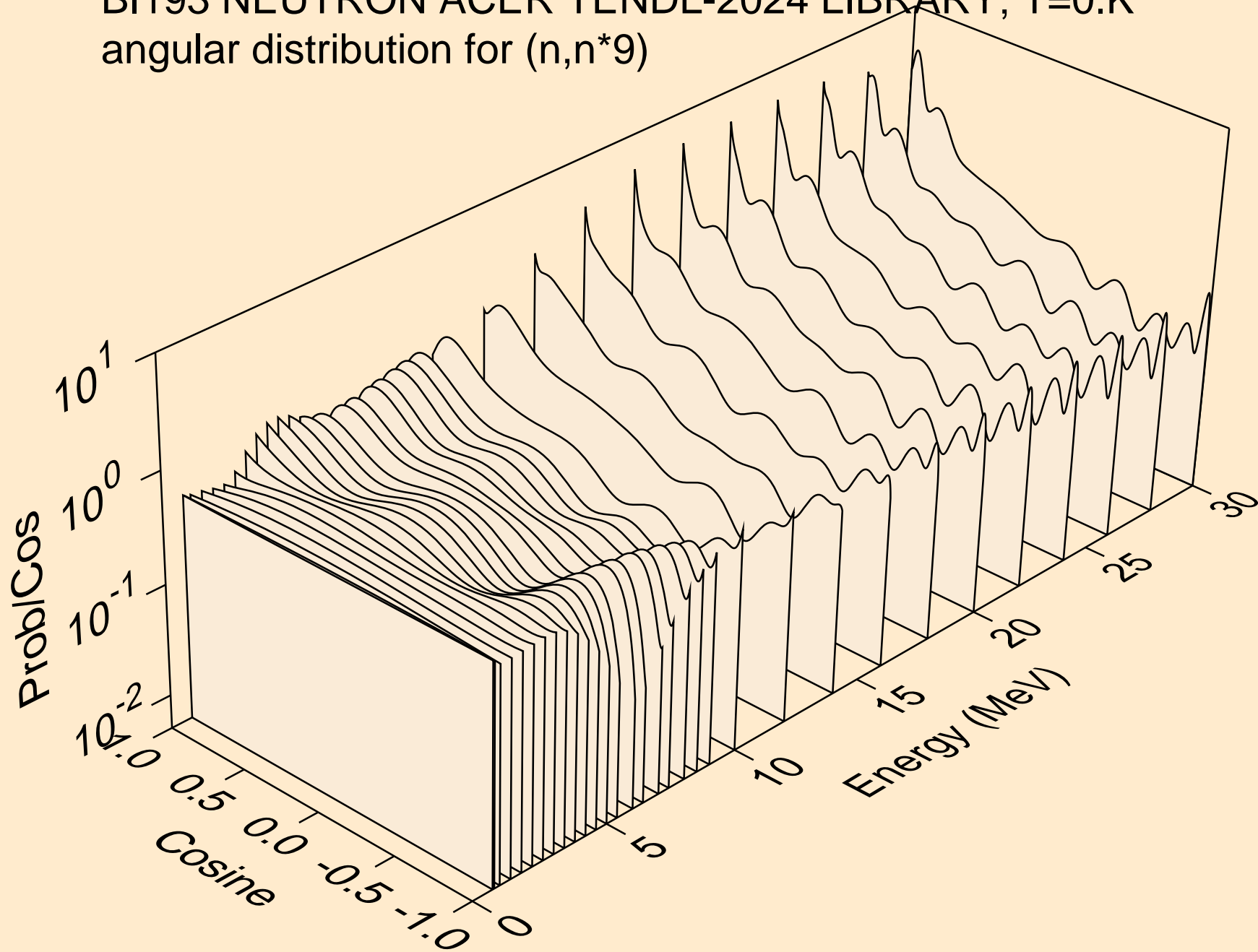
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angular distribution for (n,n*7)



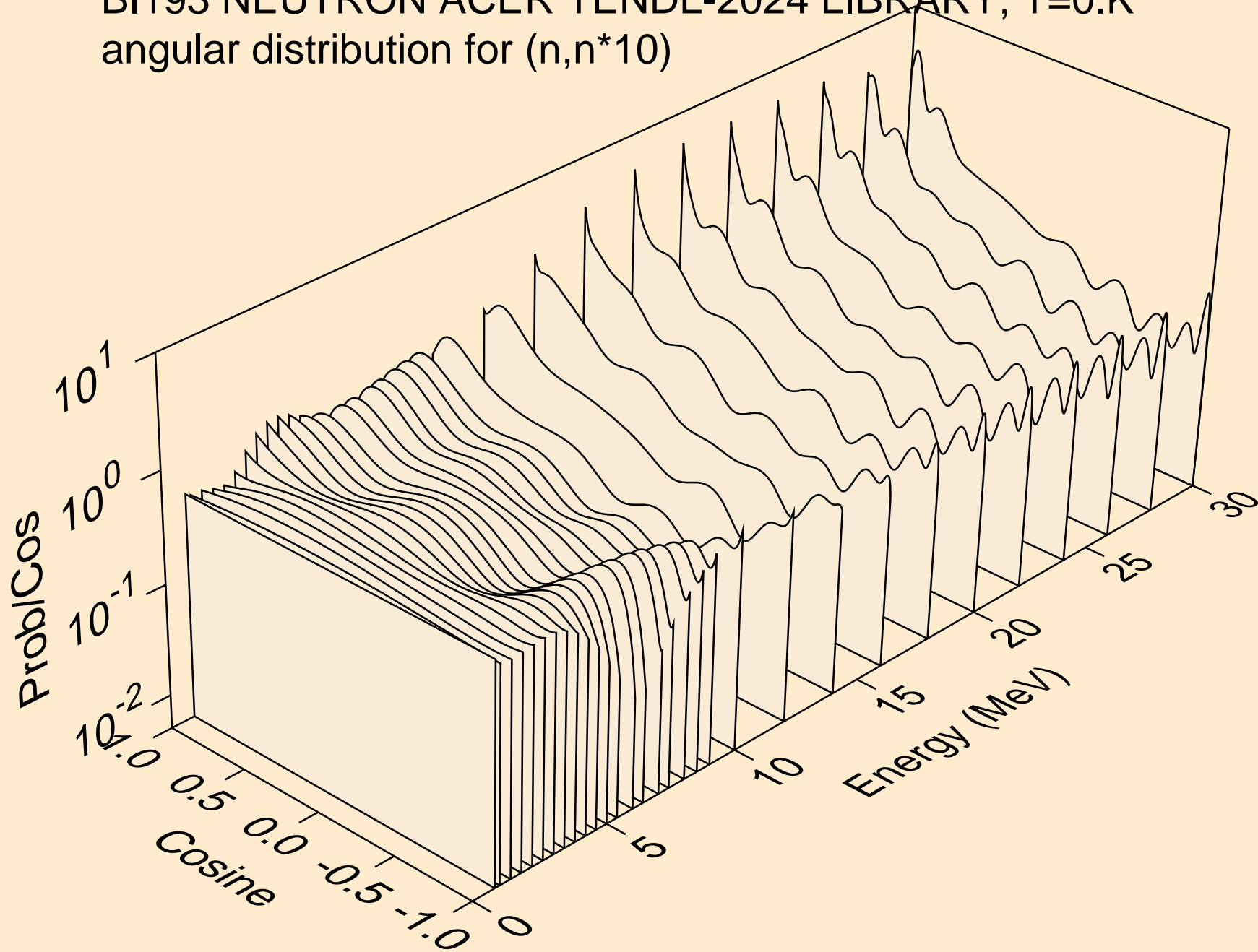
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angular distribution for (n,n*8)



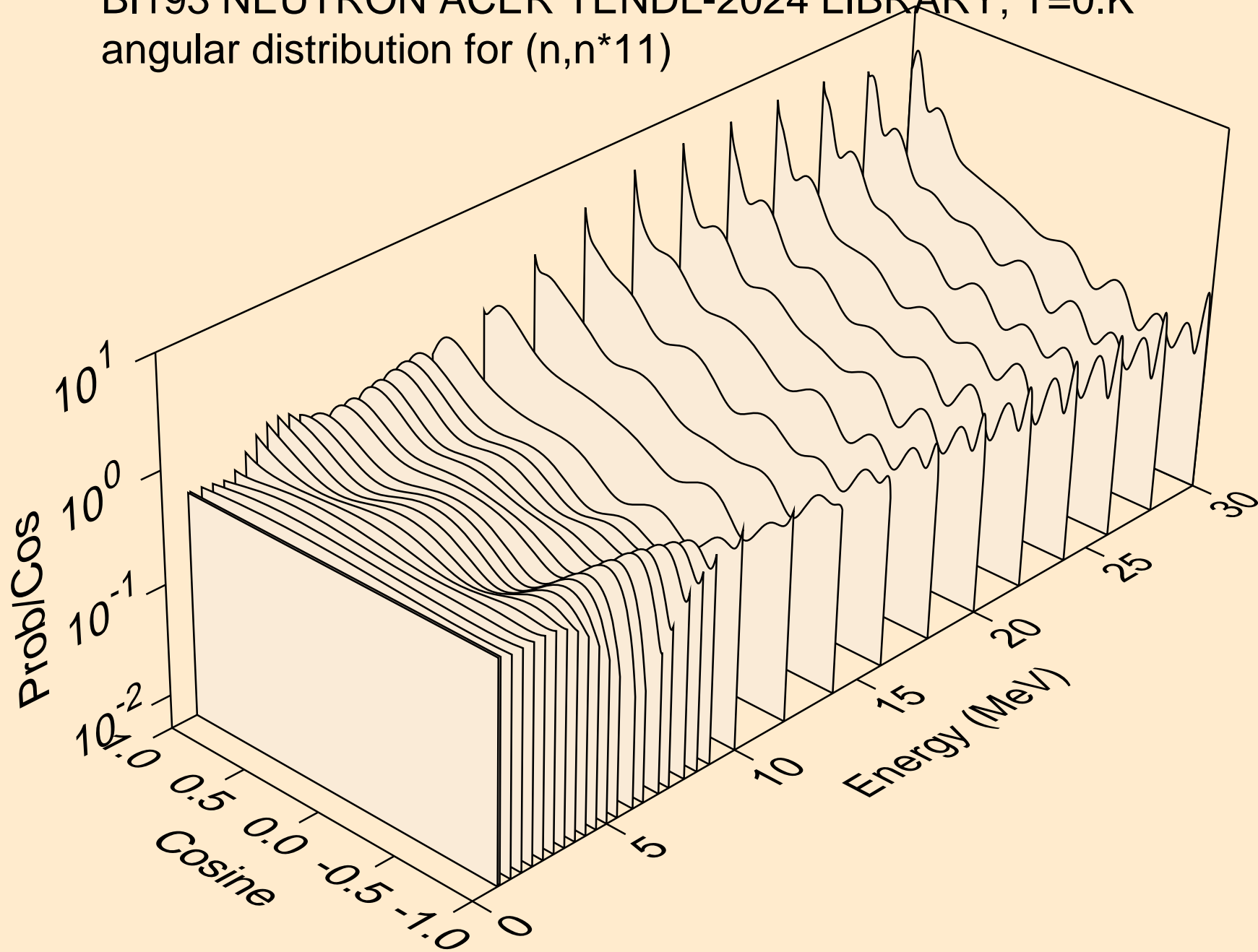
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angular distribution for (n,n*9)



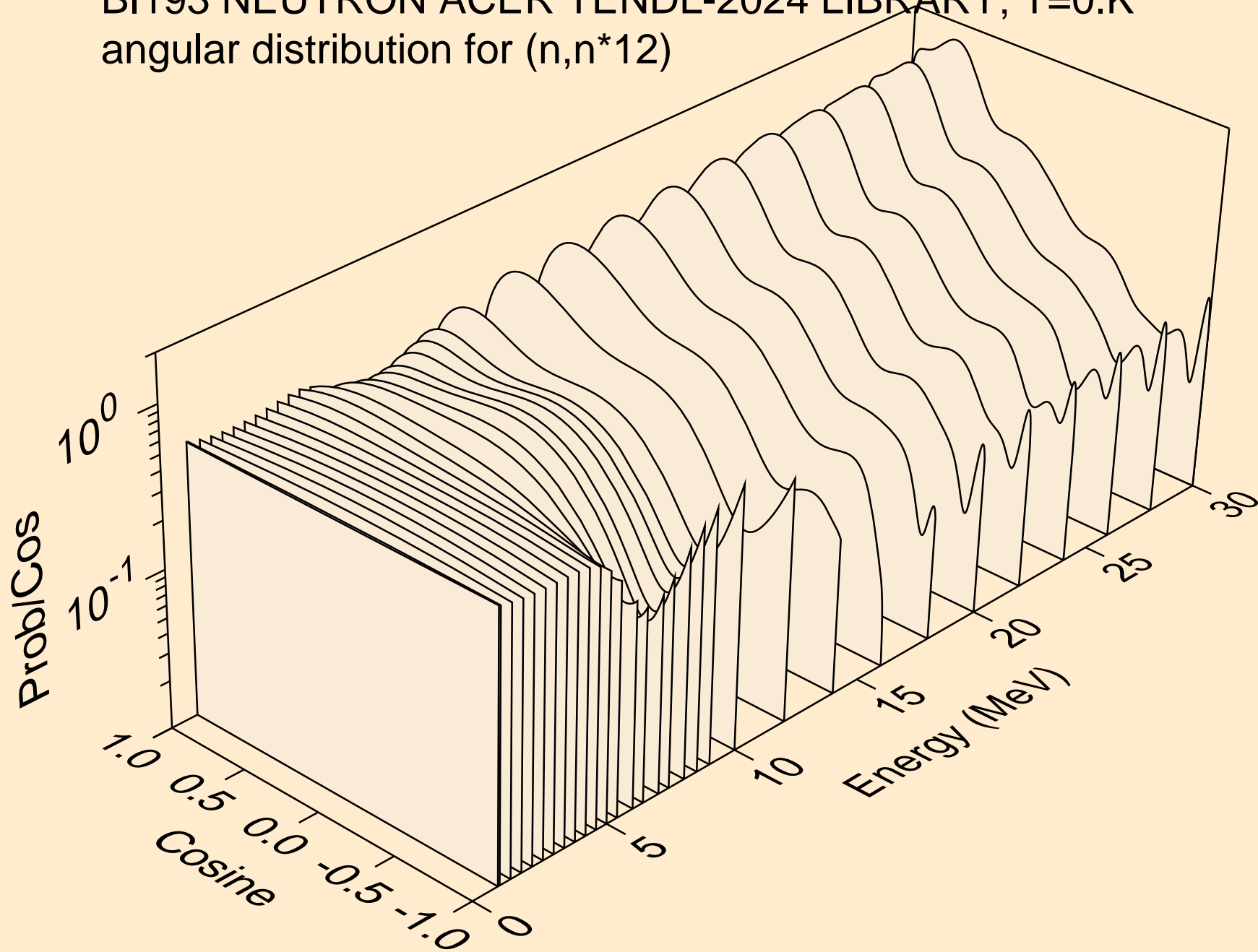
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angular distribution for (n,n*10)



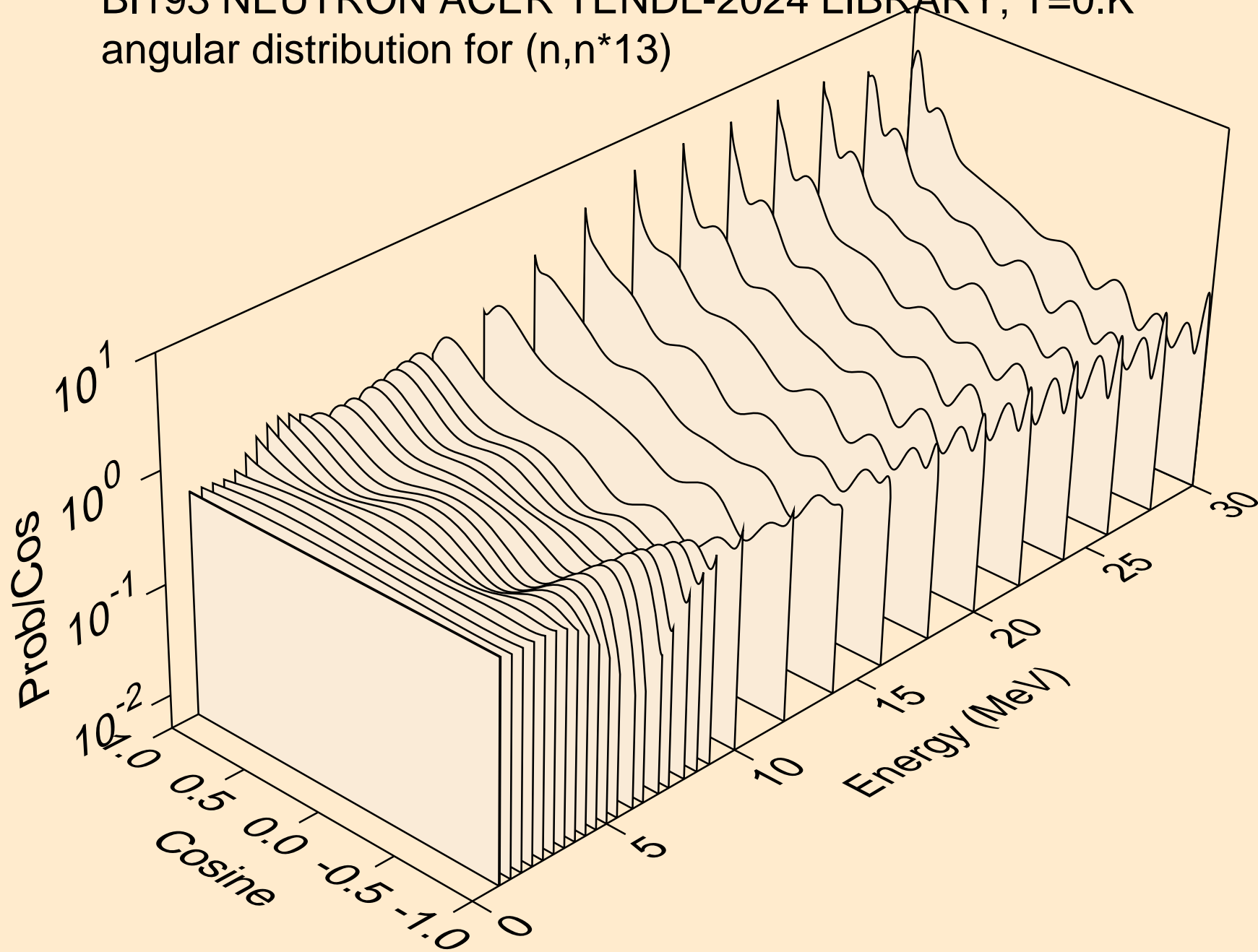
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angular distribution for (n,n*11)



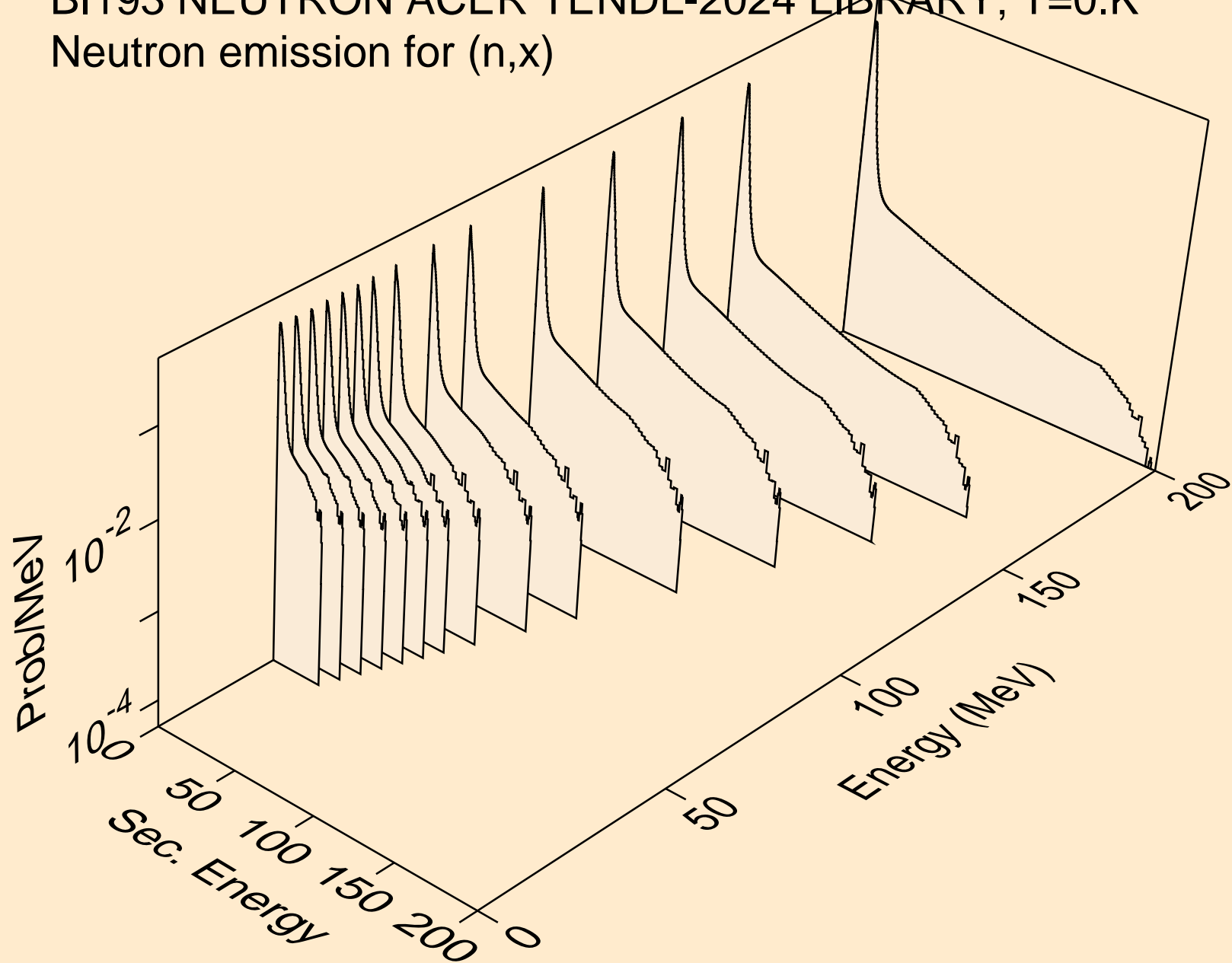
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angular distribution for (n,n*12)



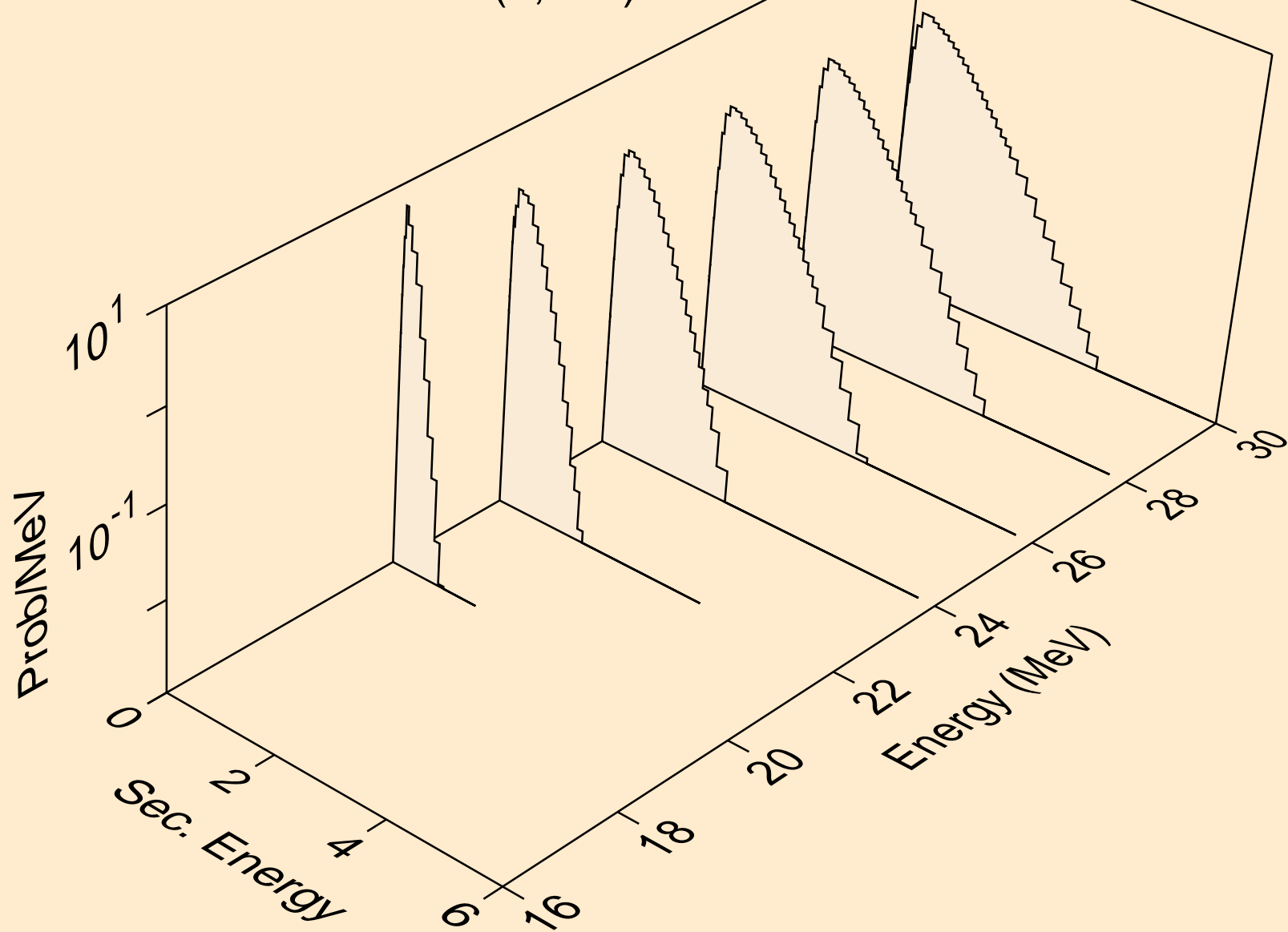
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angular distribution for (n,n*13)



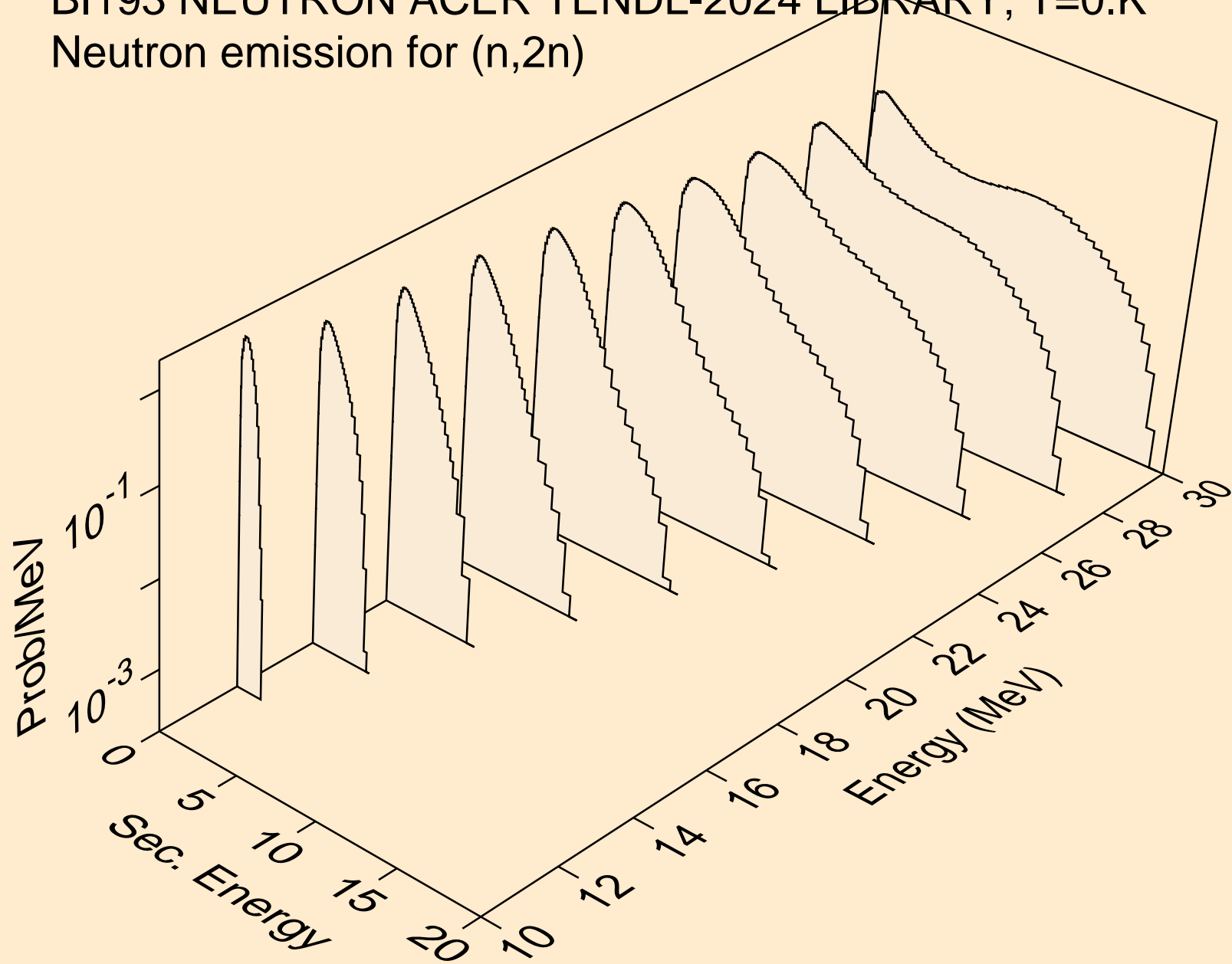
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Neutron emission for (n,x)



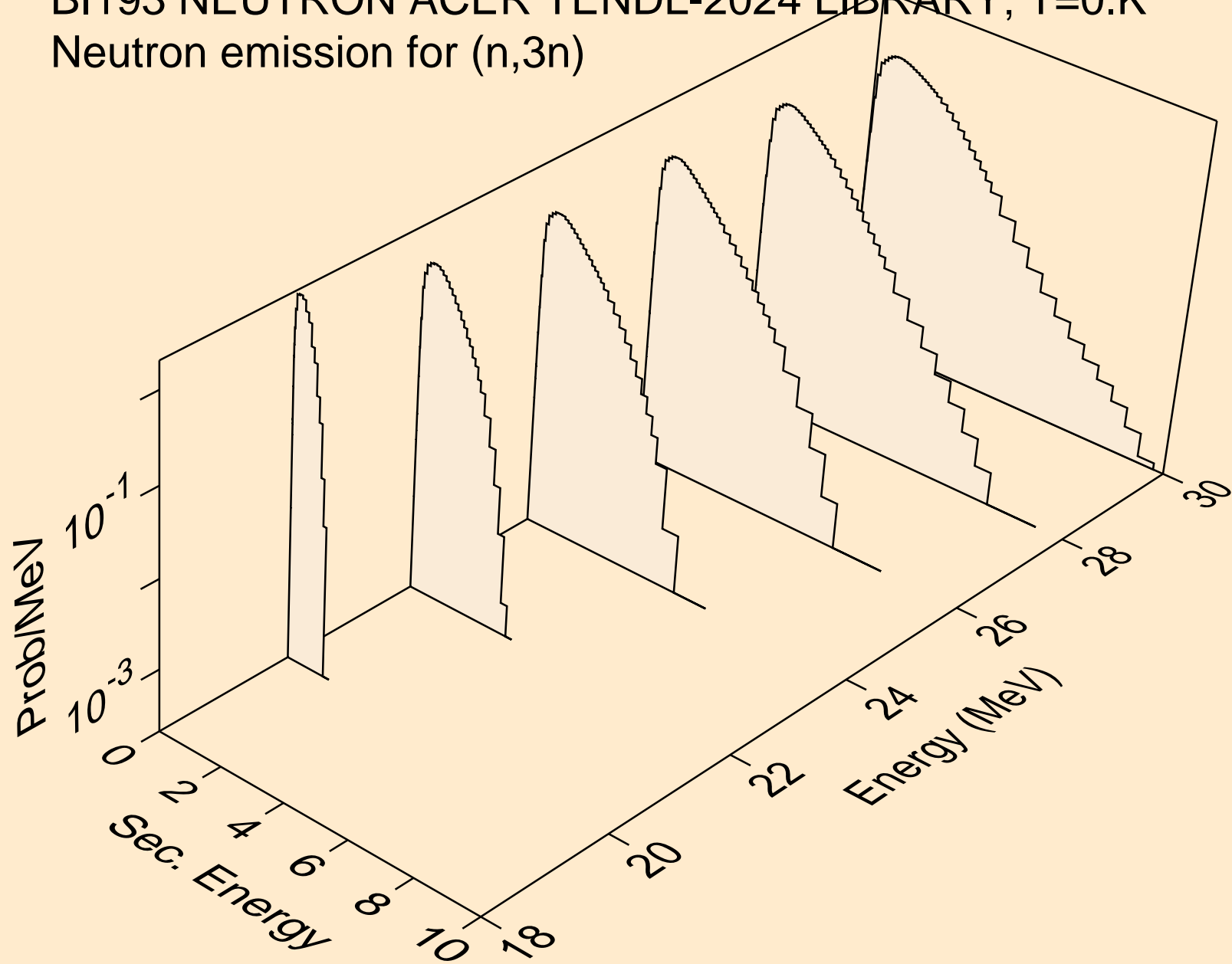
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Neutron emission for (n,2nd)



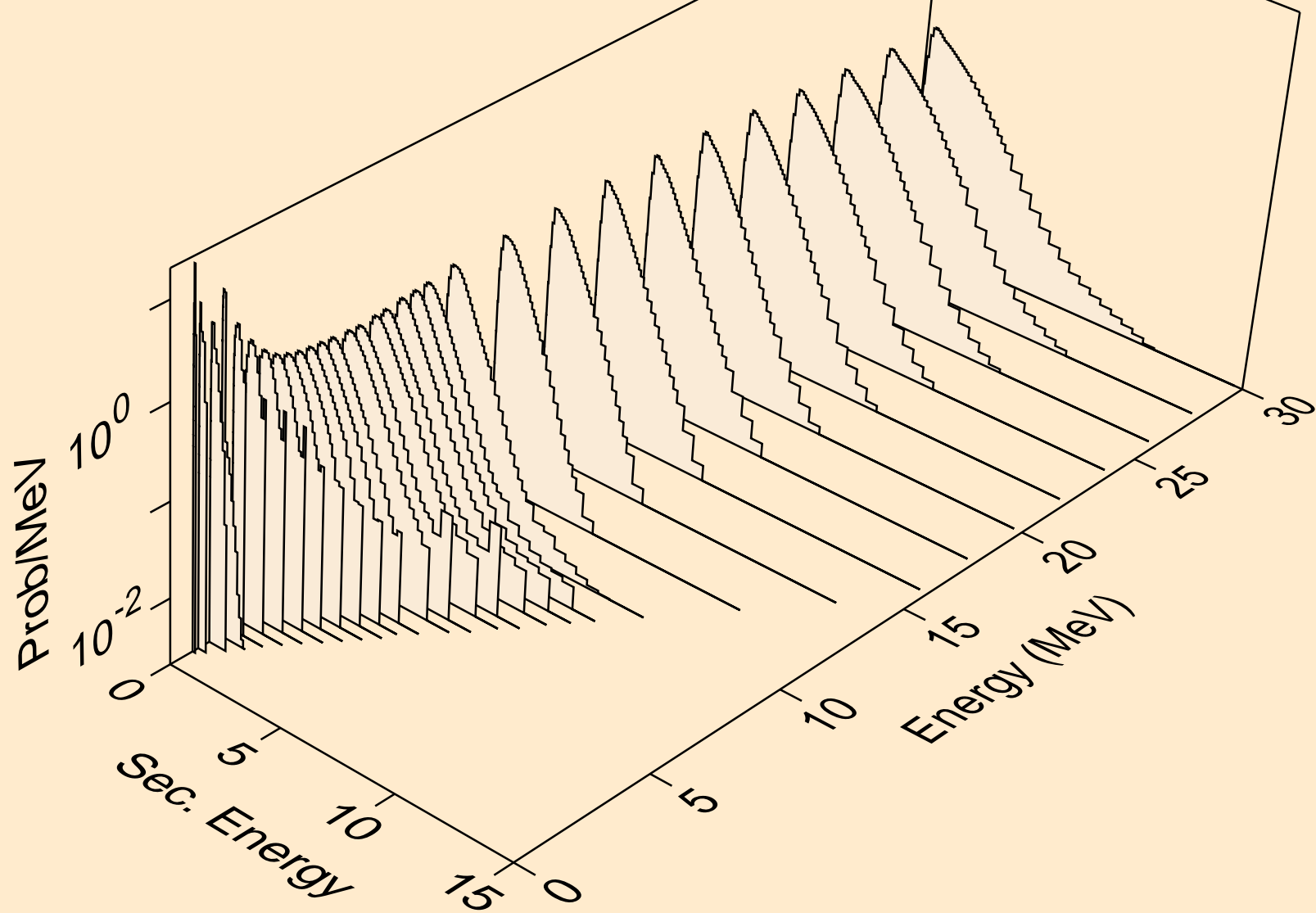
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Neutron emission for (n,2n)



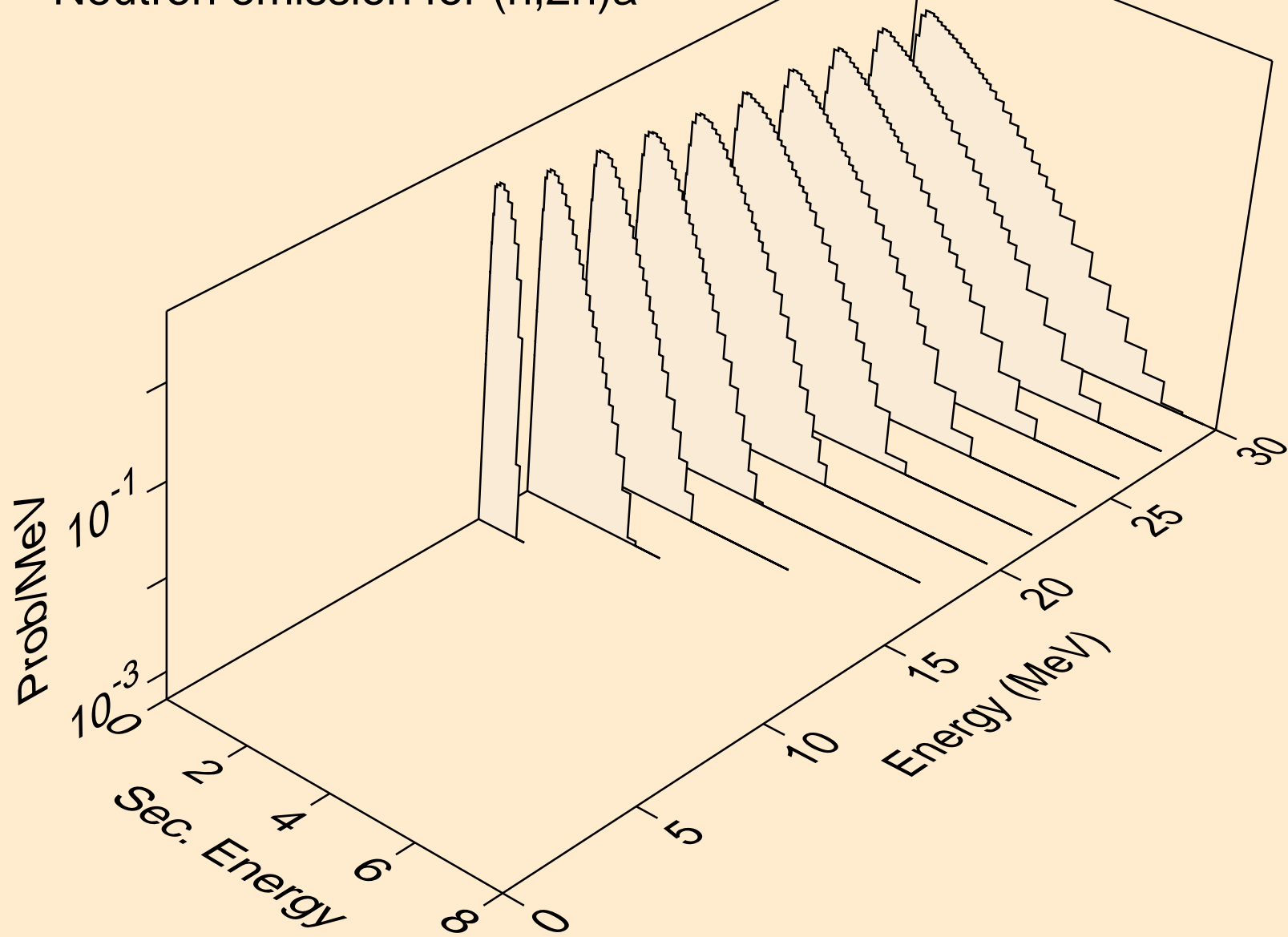
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3n)



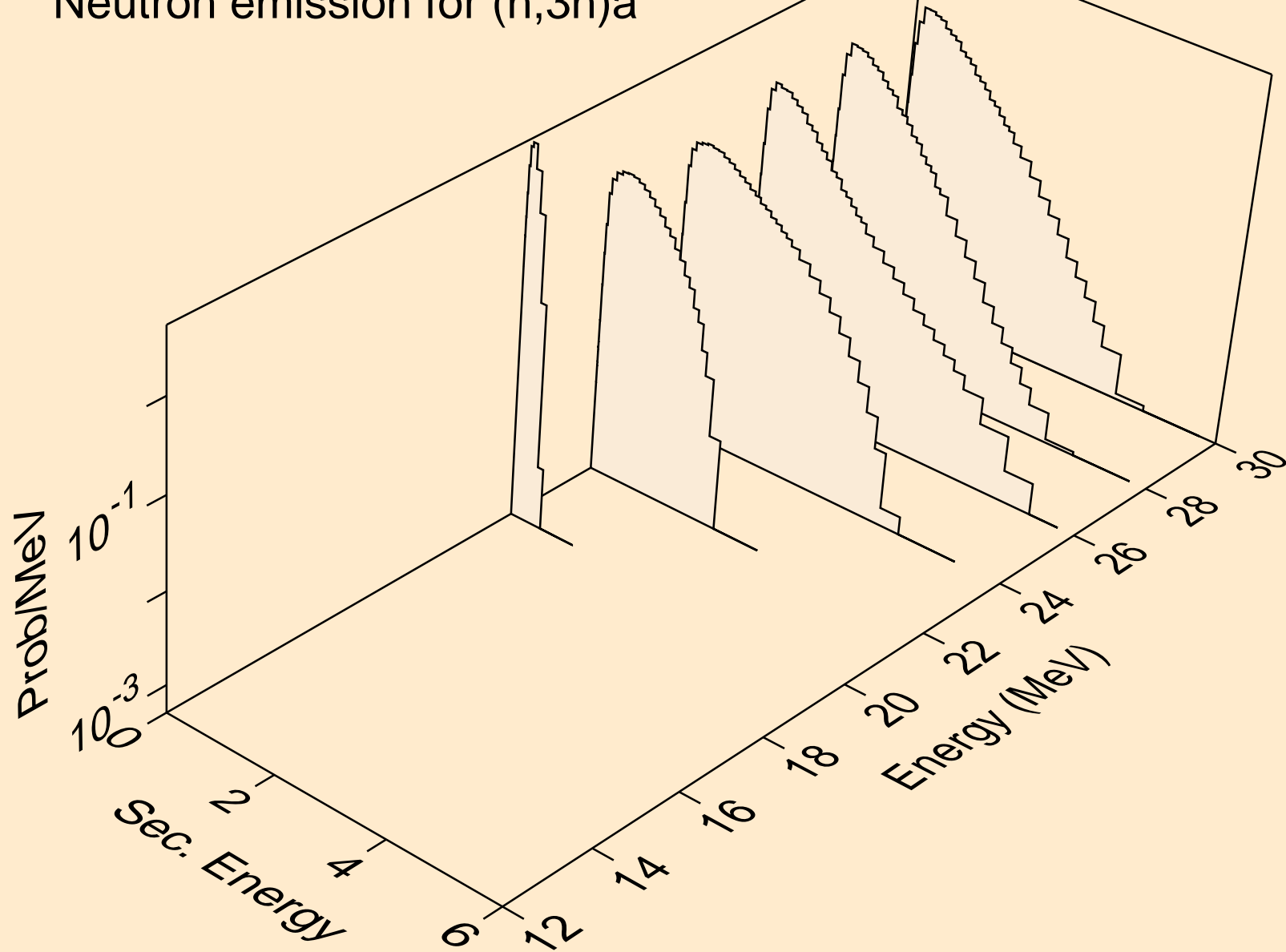
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)a



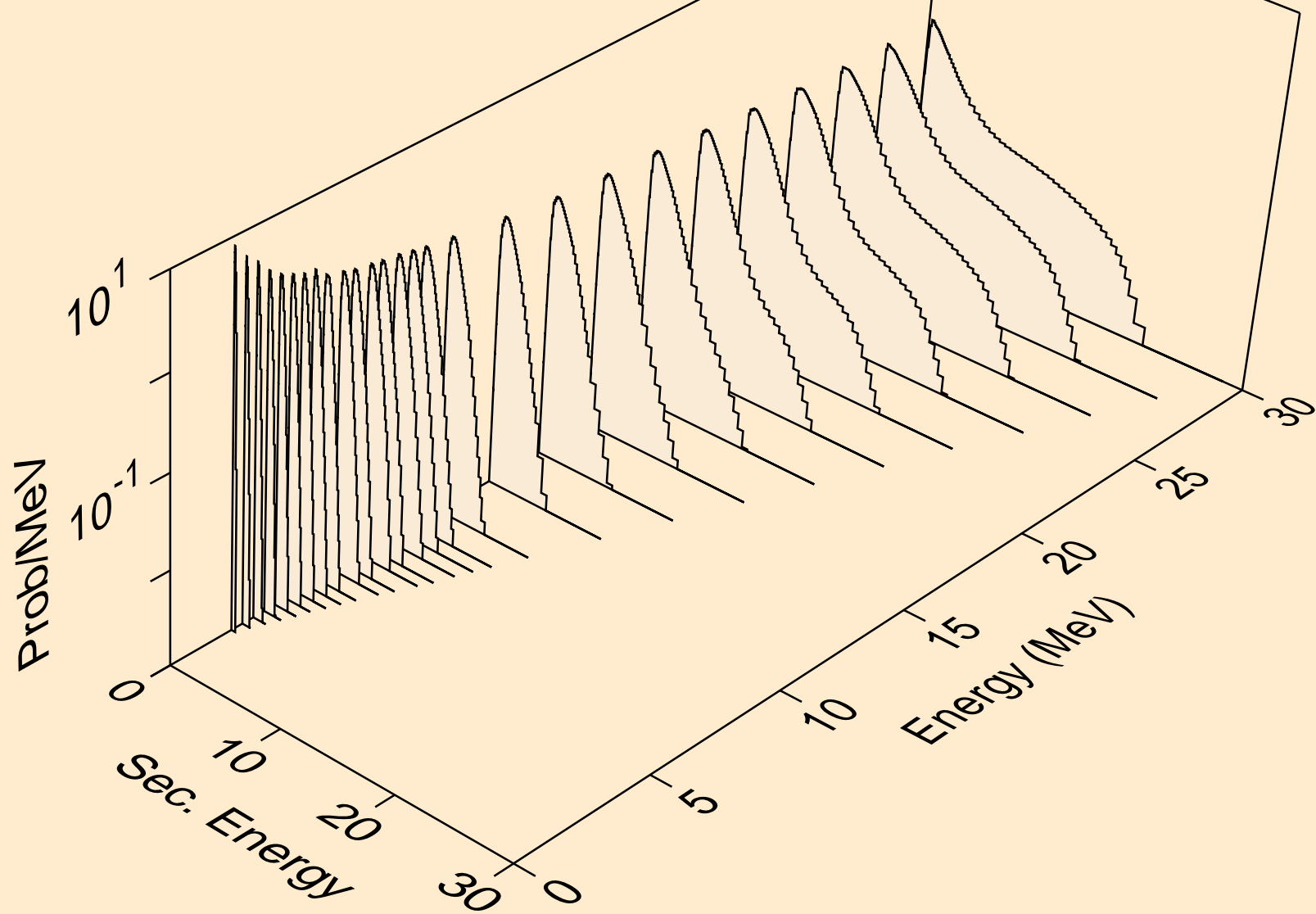
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2n)a



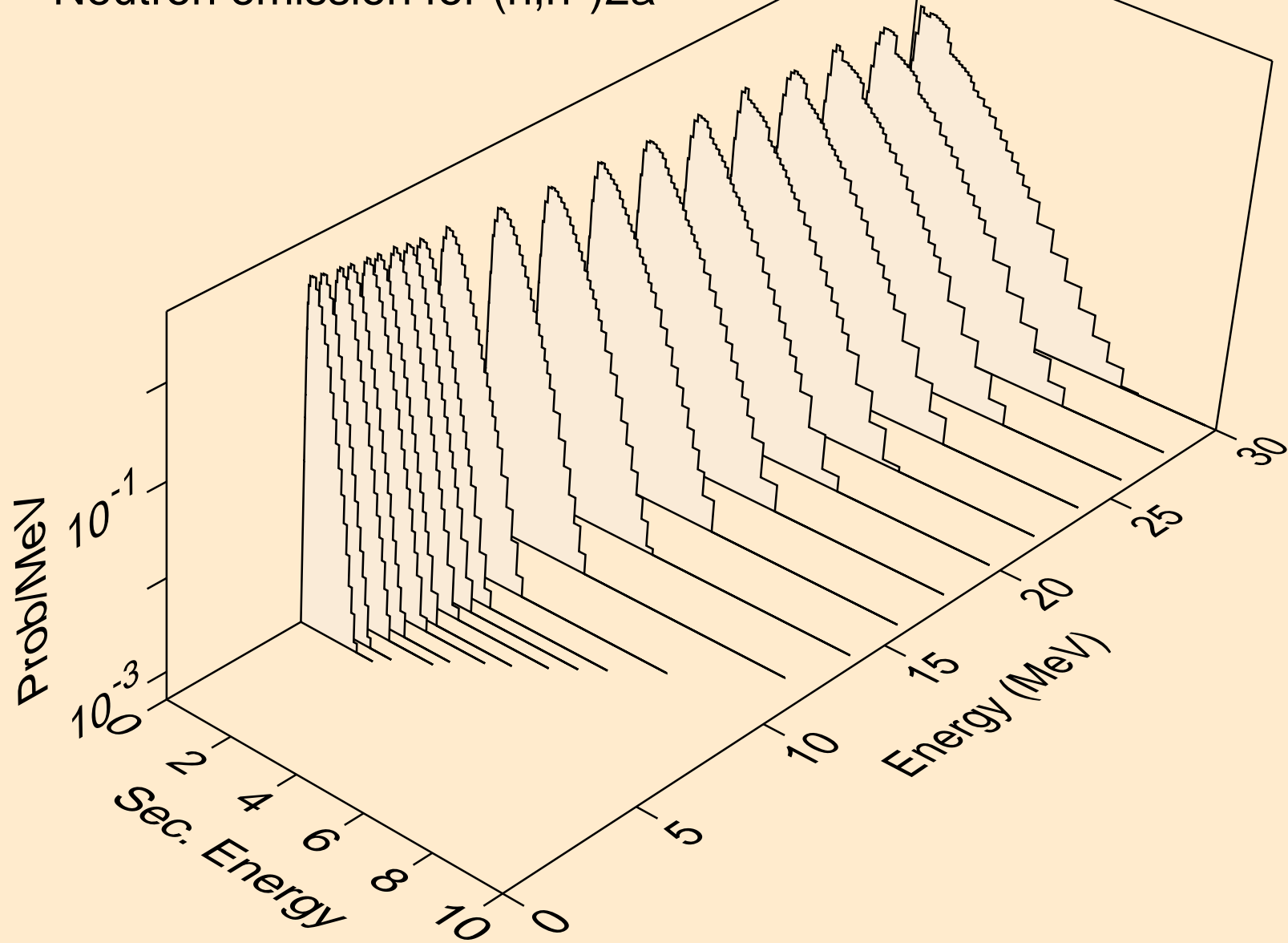
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Neutron emission for (n,3n)a



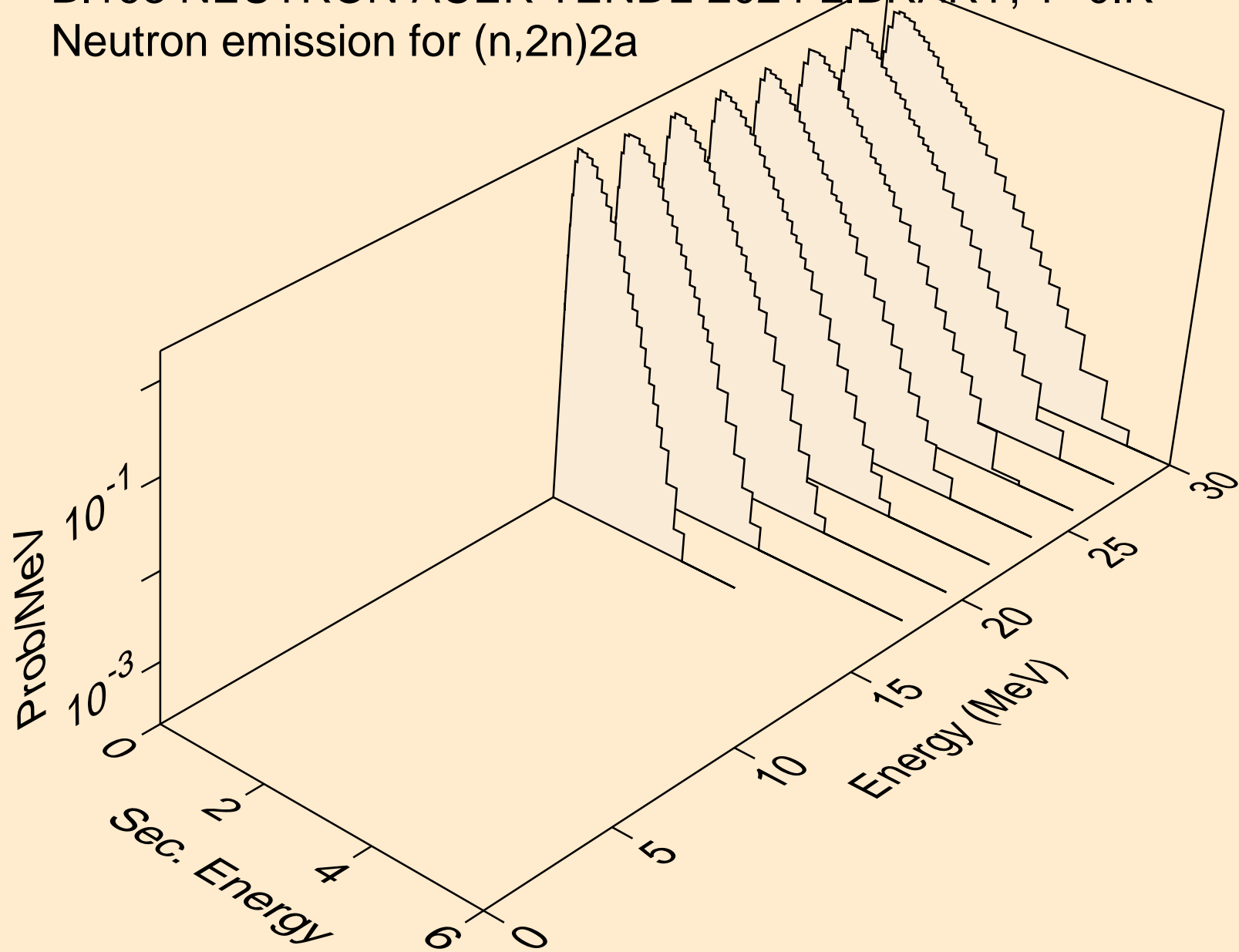
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Neutron emission for (n,n*)p



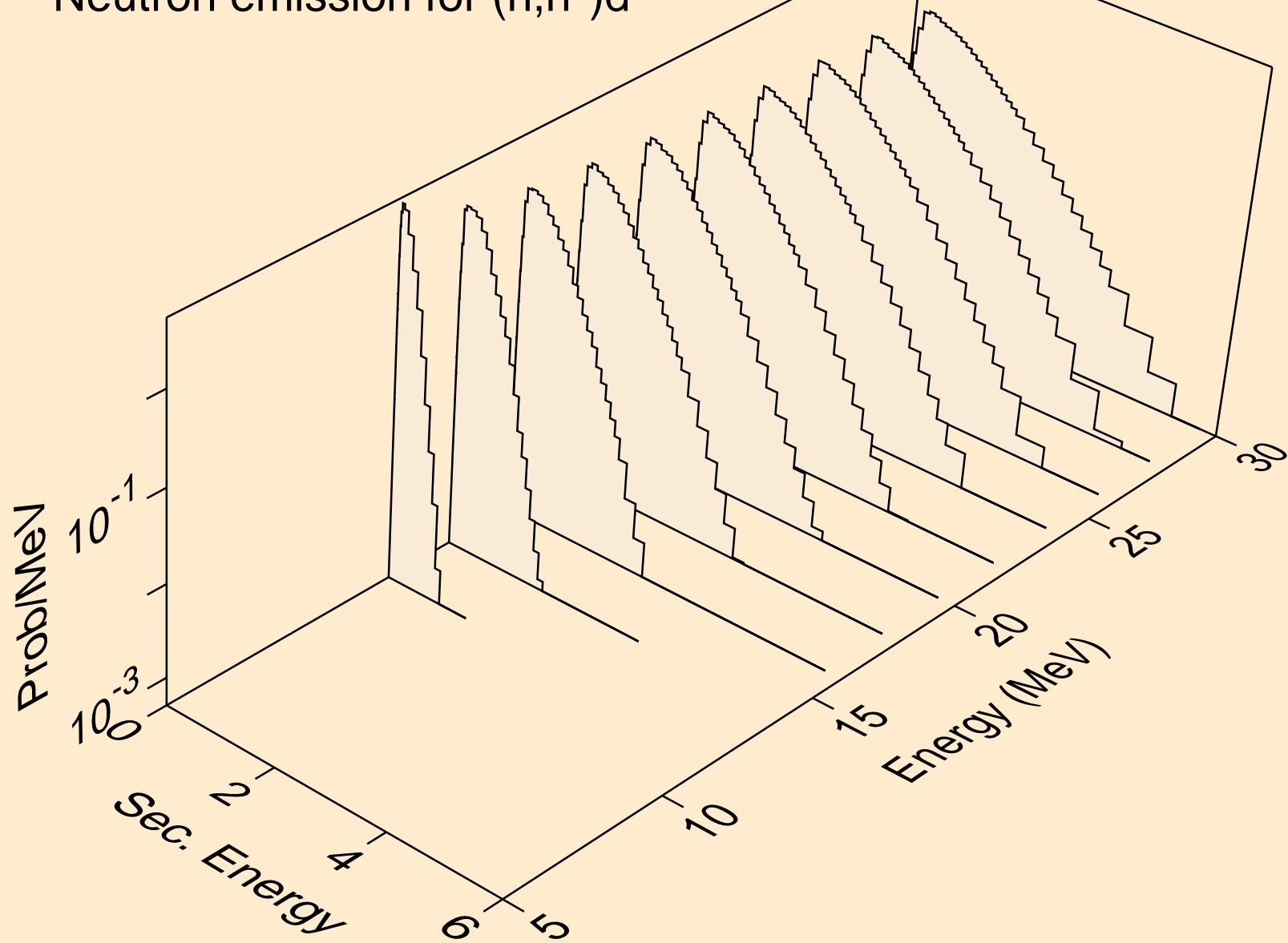
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Neutron emission for (n,n*)2a



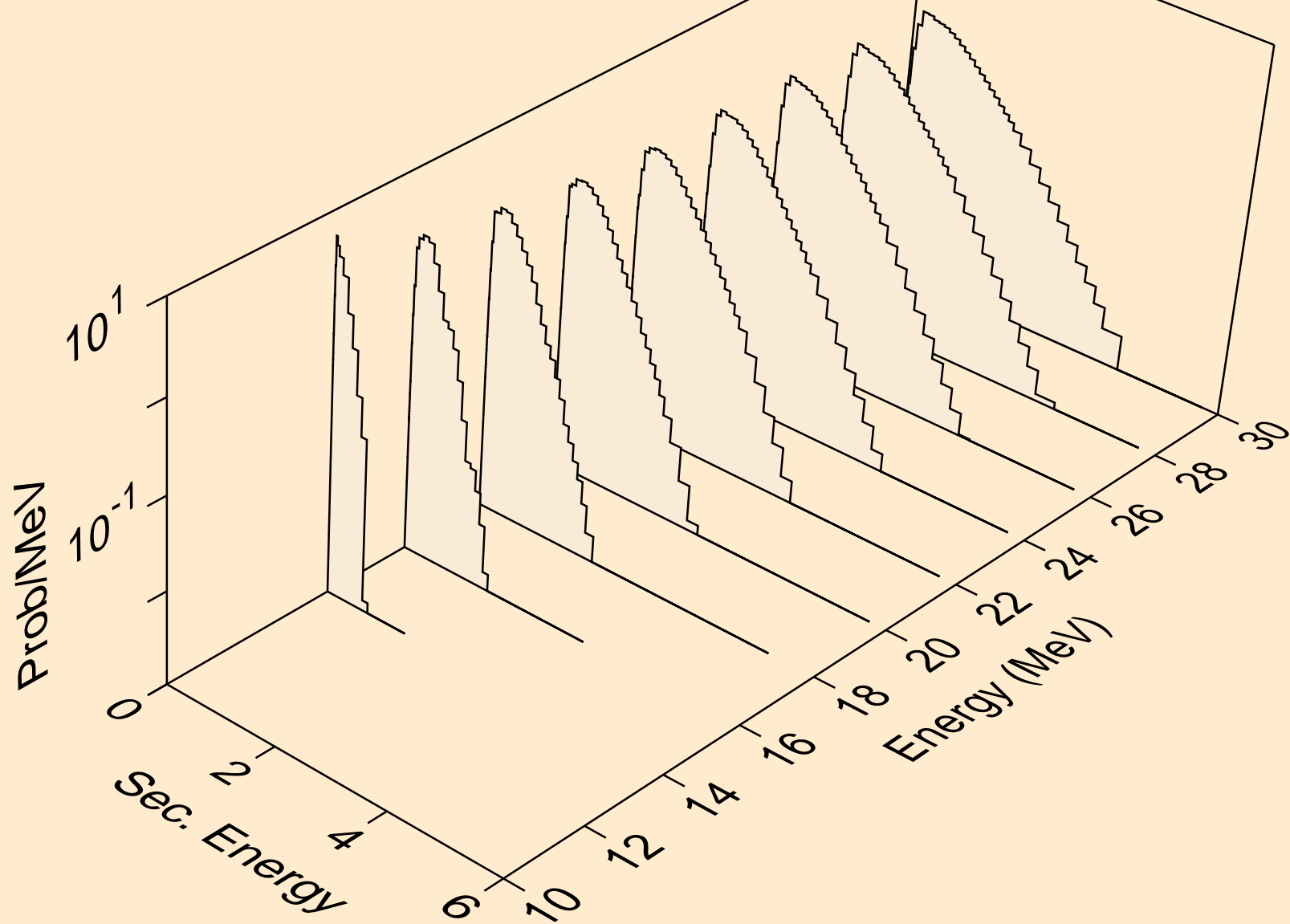
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Neutron emission for (n,2n)2a



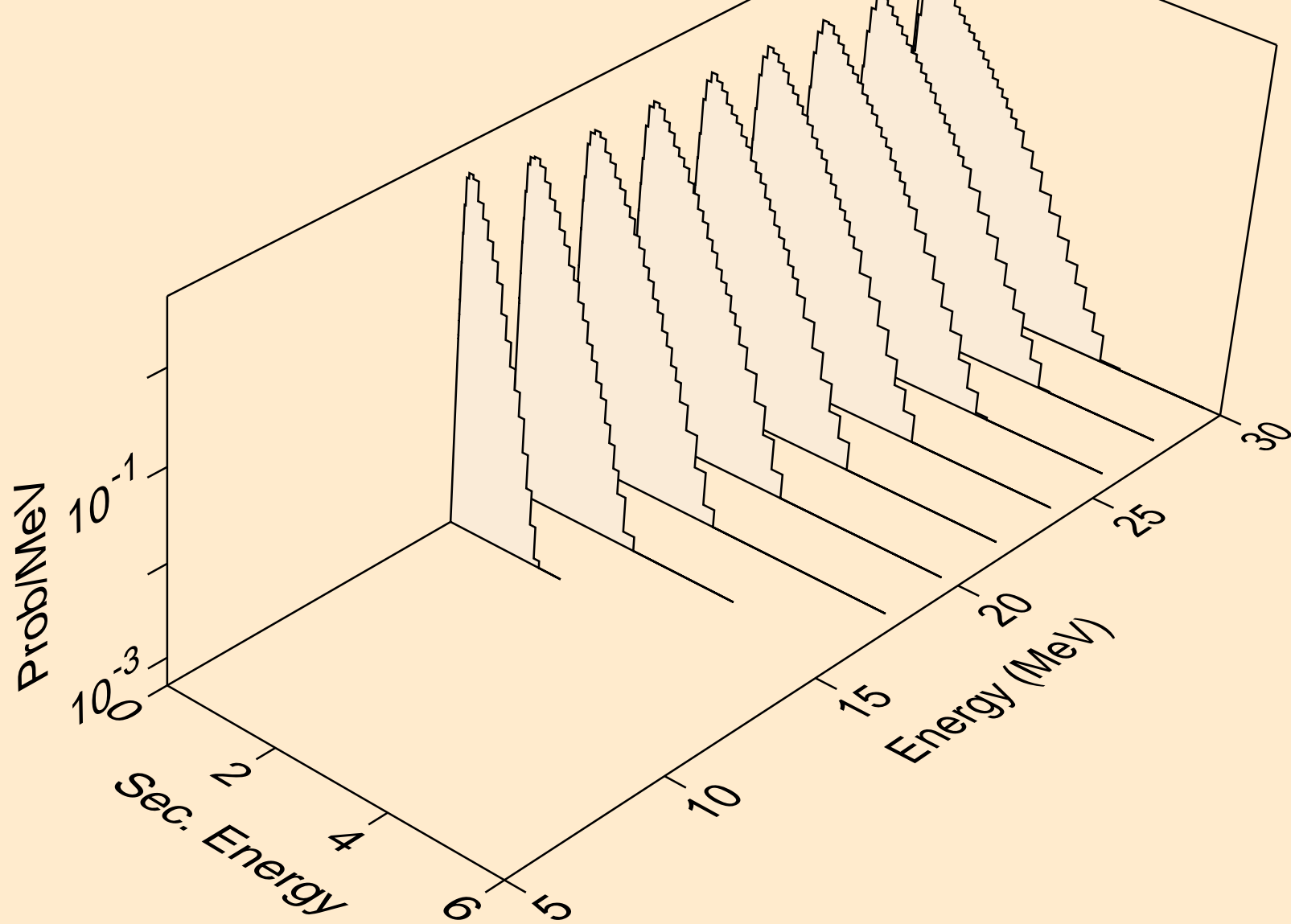
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)d



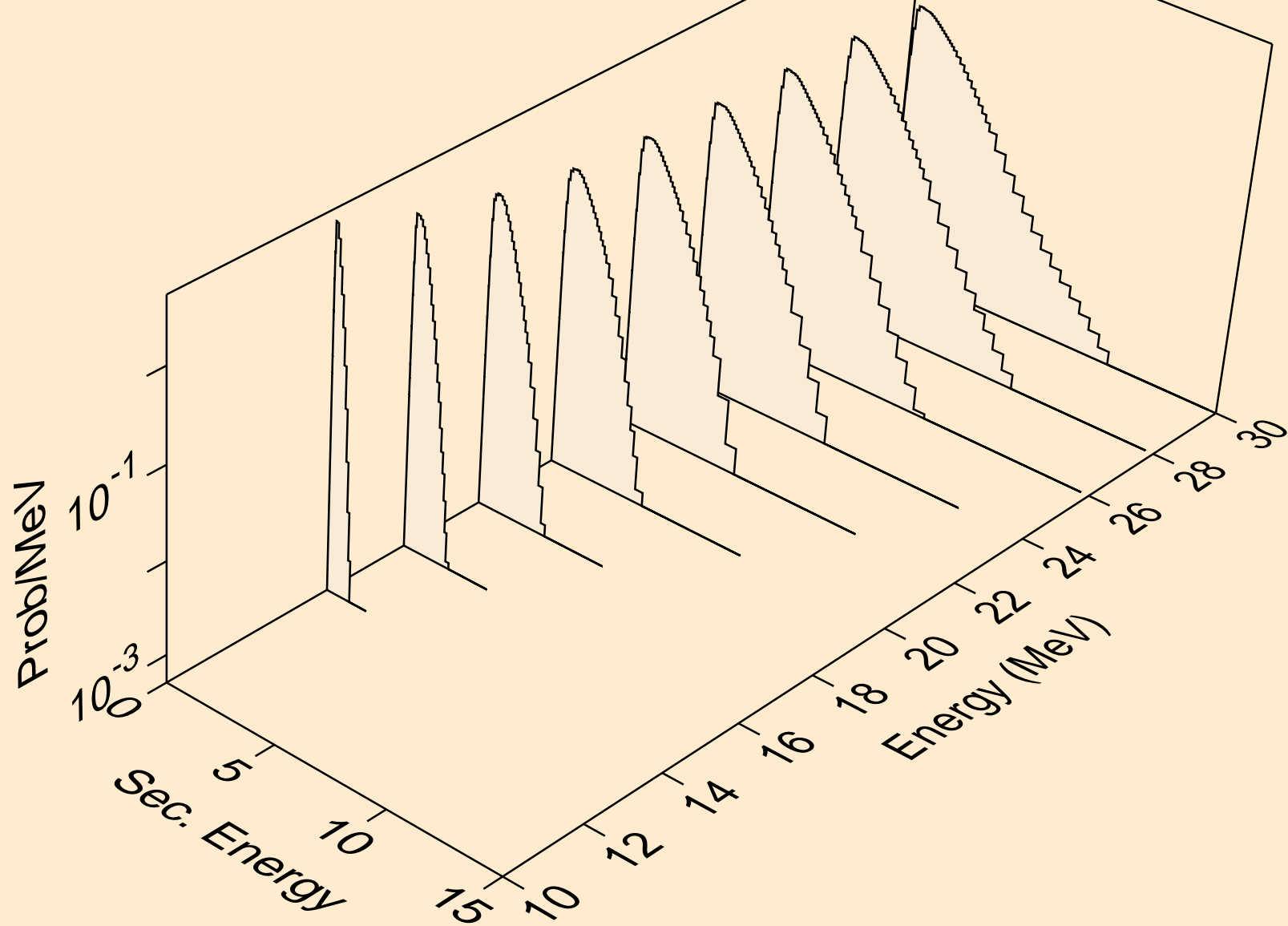
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)t



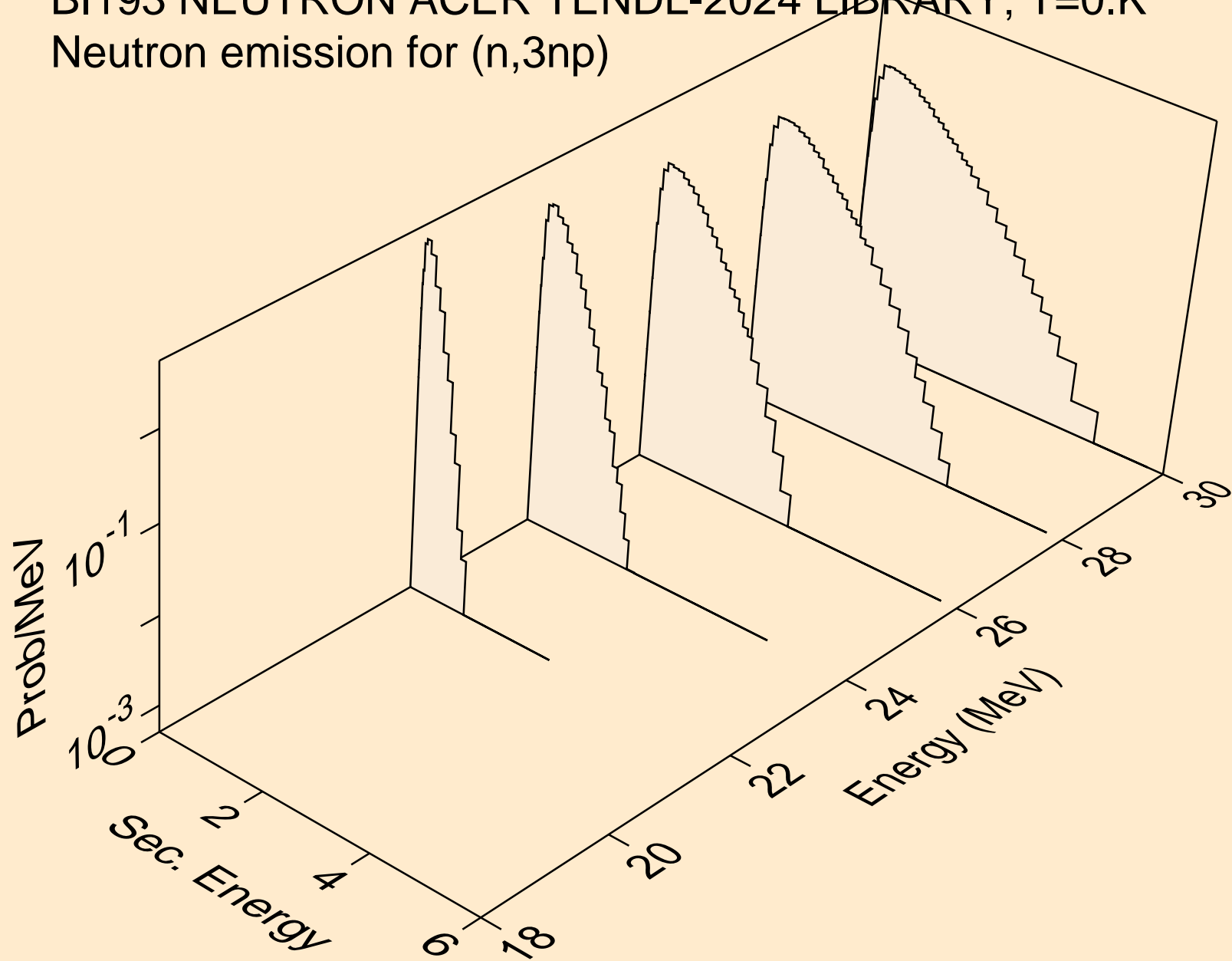
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



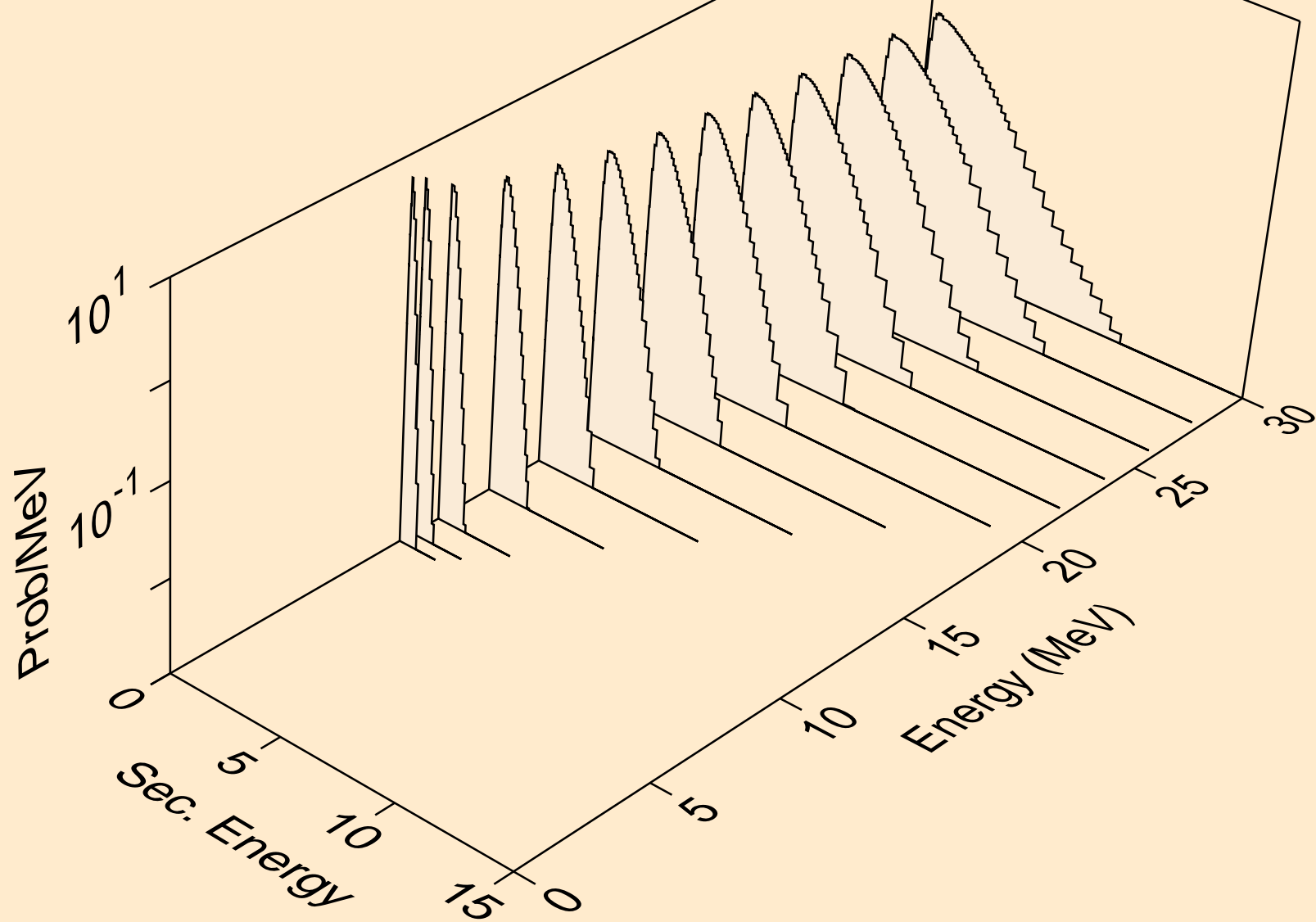
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,2np)



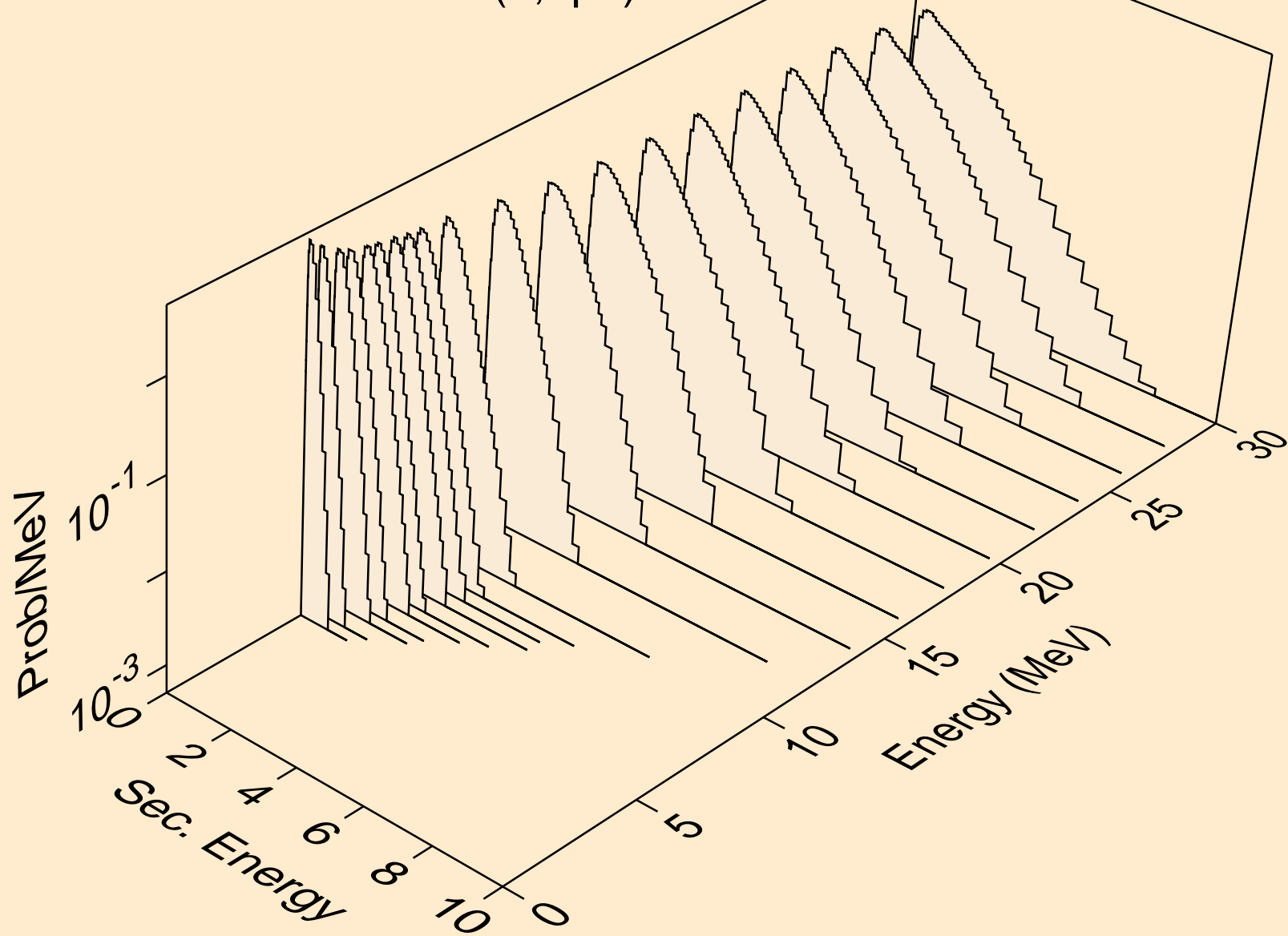
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,3np)



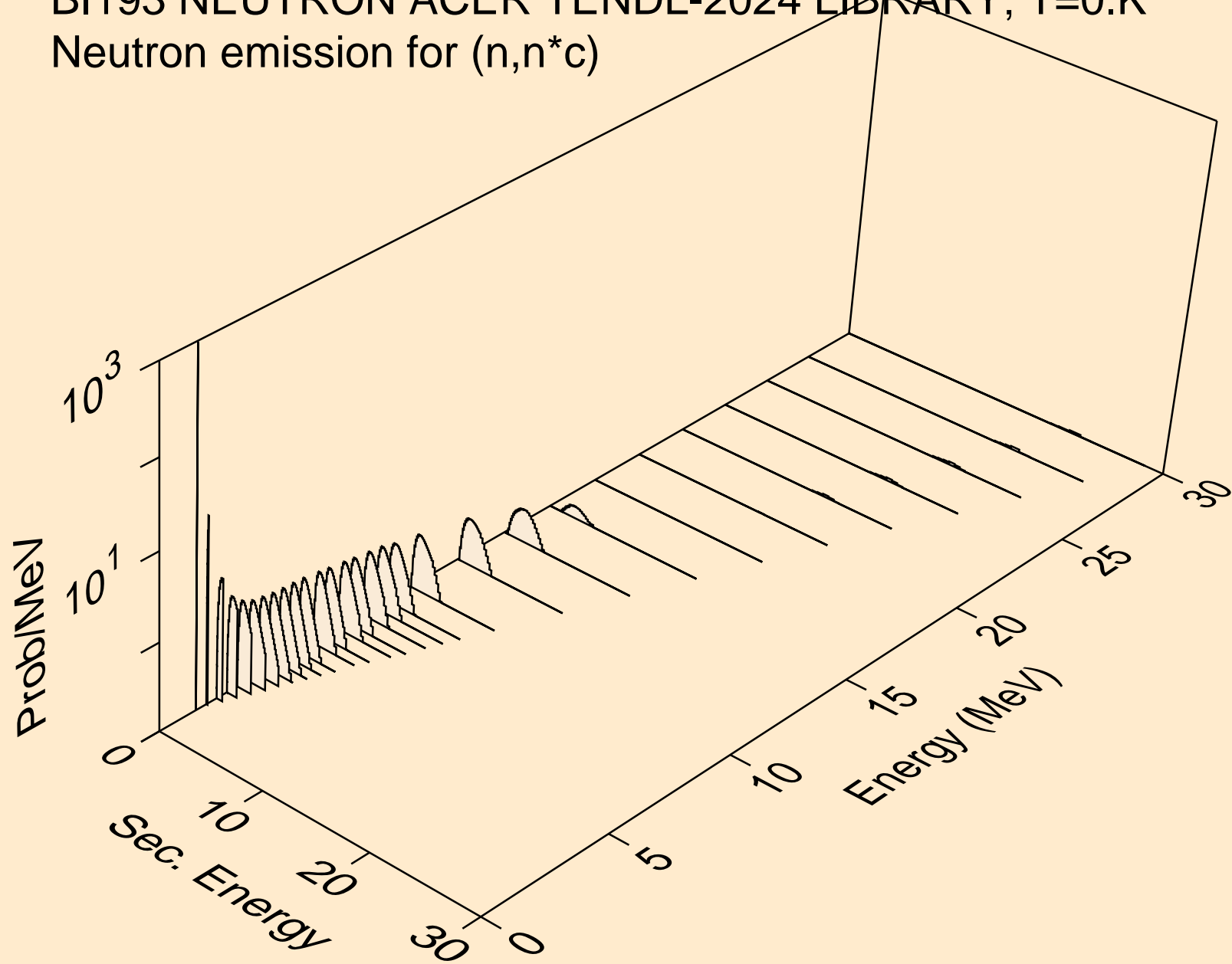
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Neutron emission for (n,n2p)



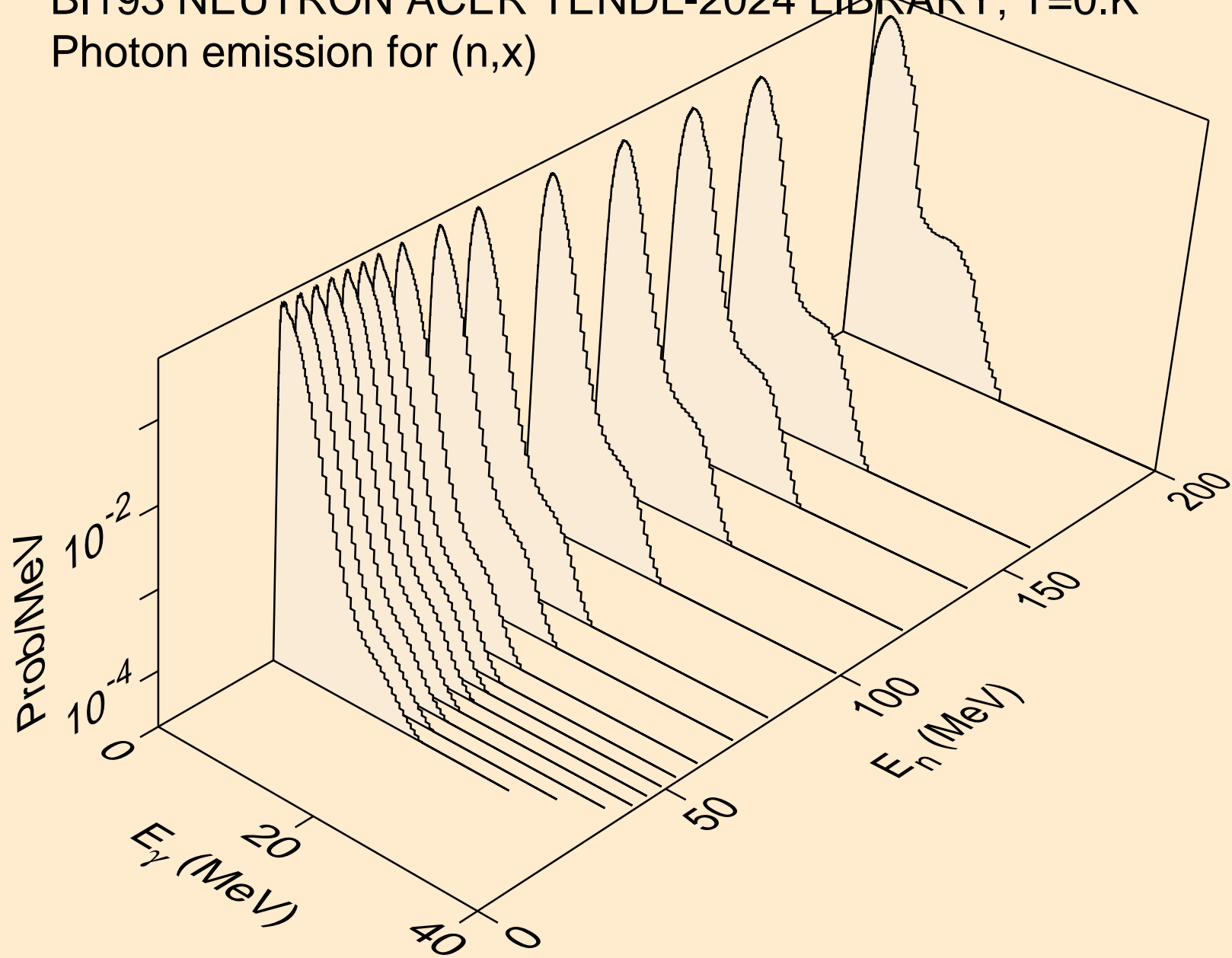
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,npa)



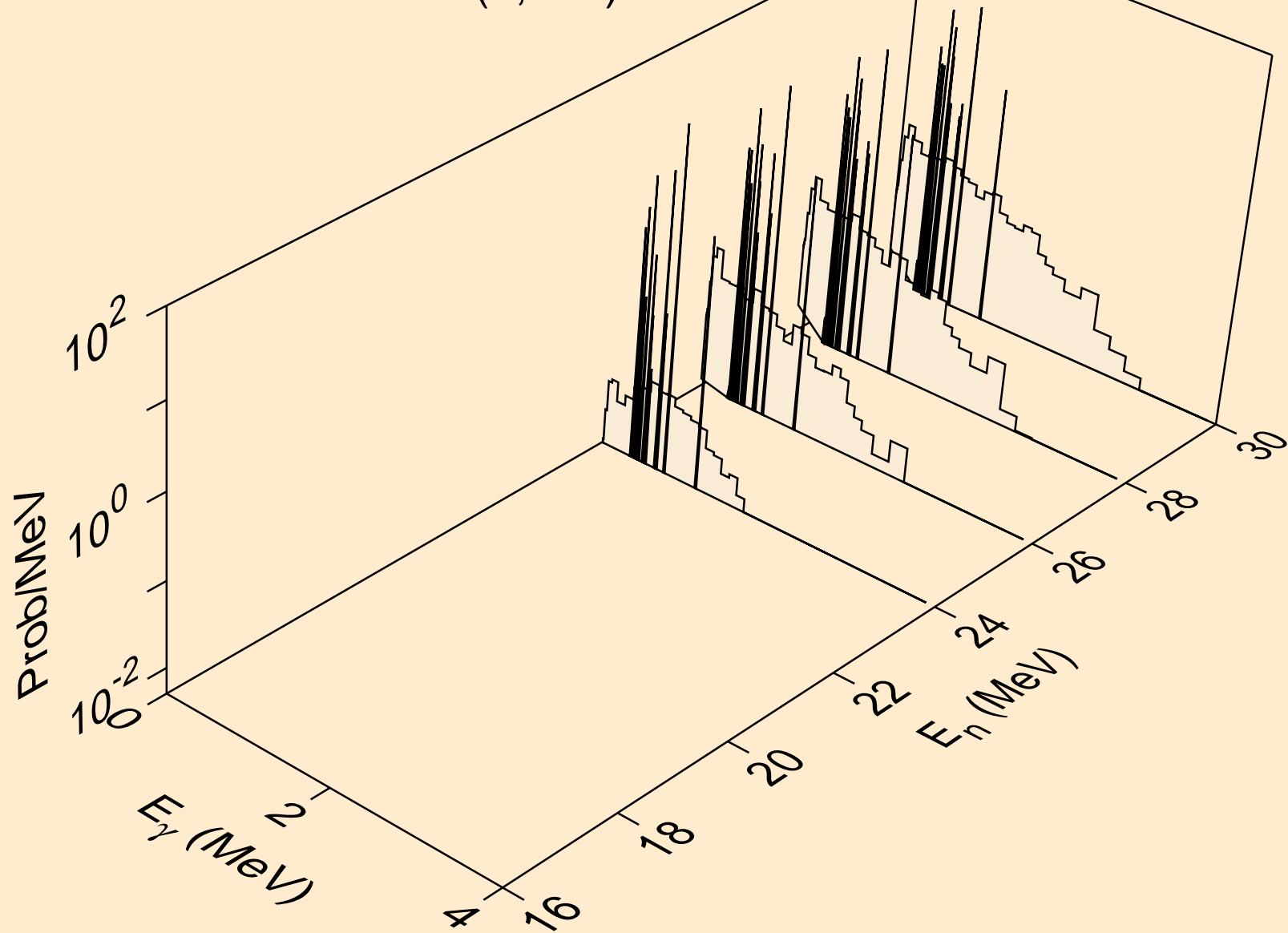
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Neutron emission for (n,n*c)



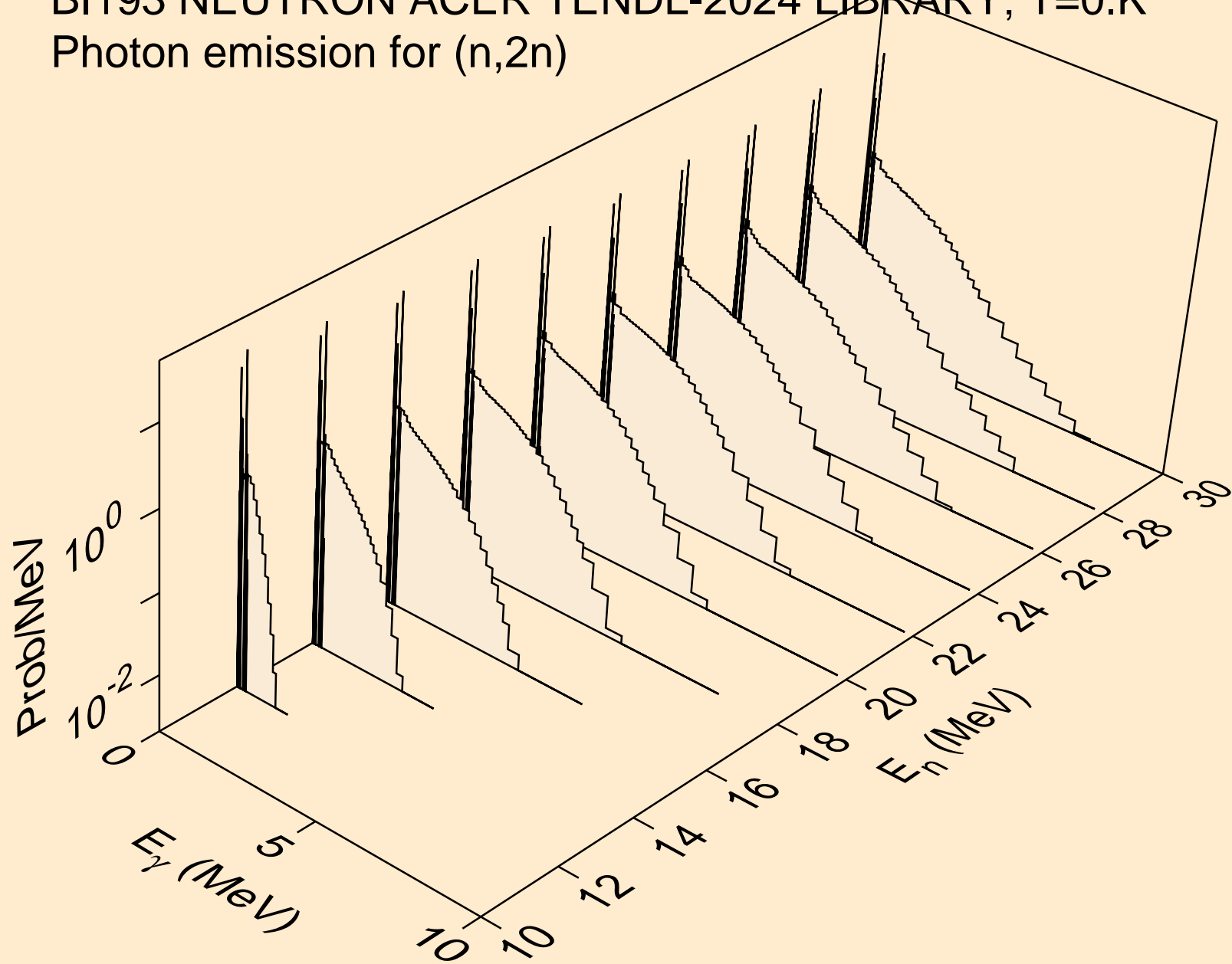
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,x)



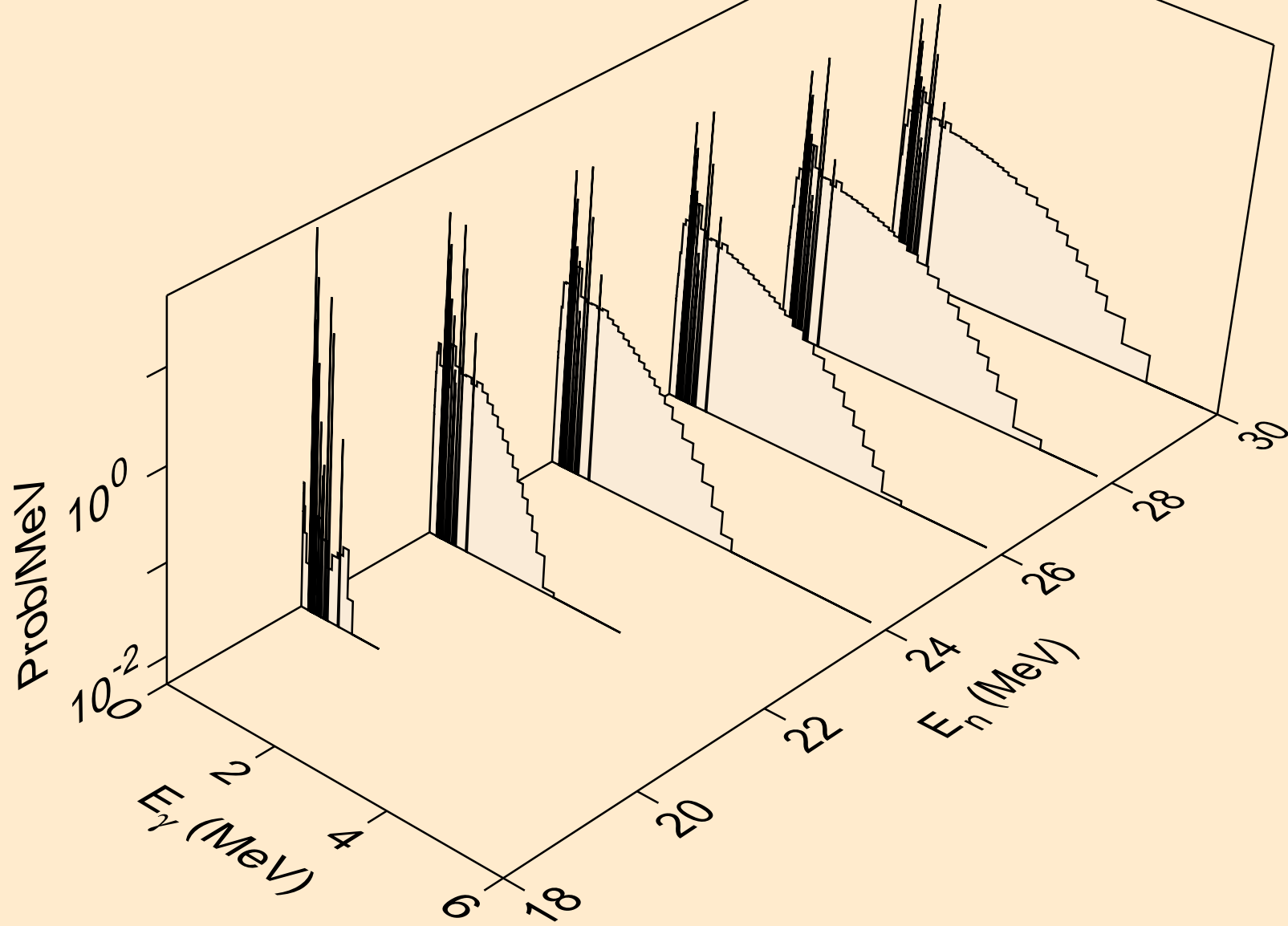
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)



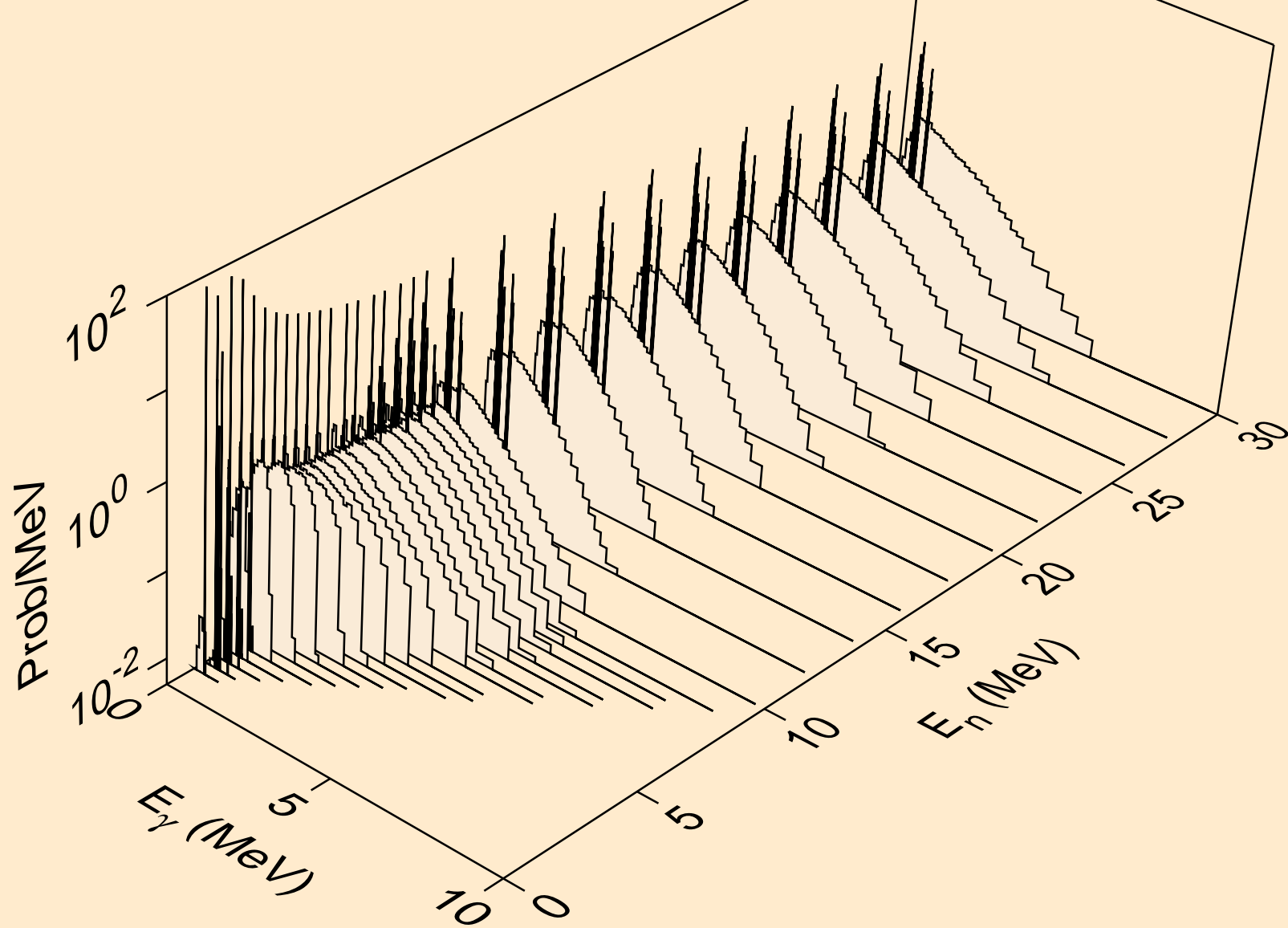
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)



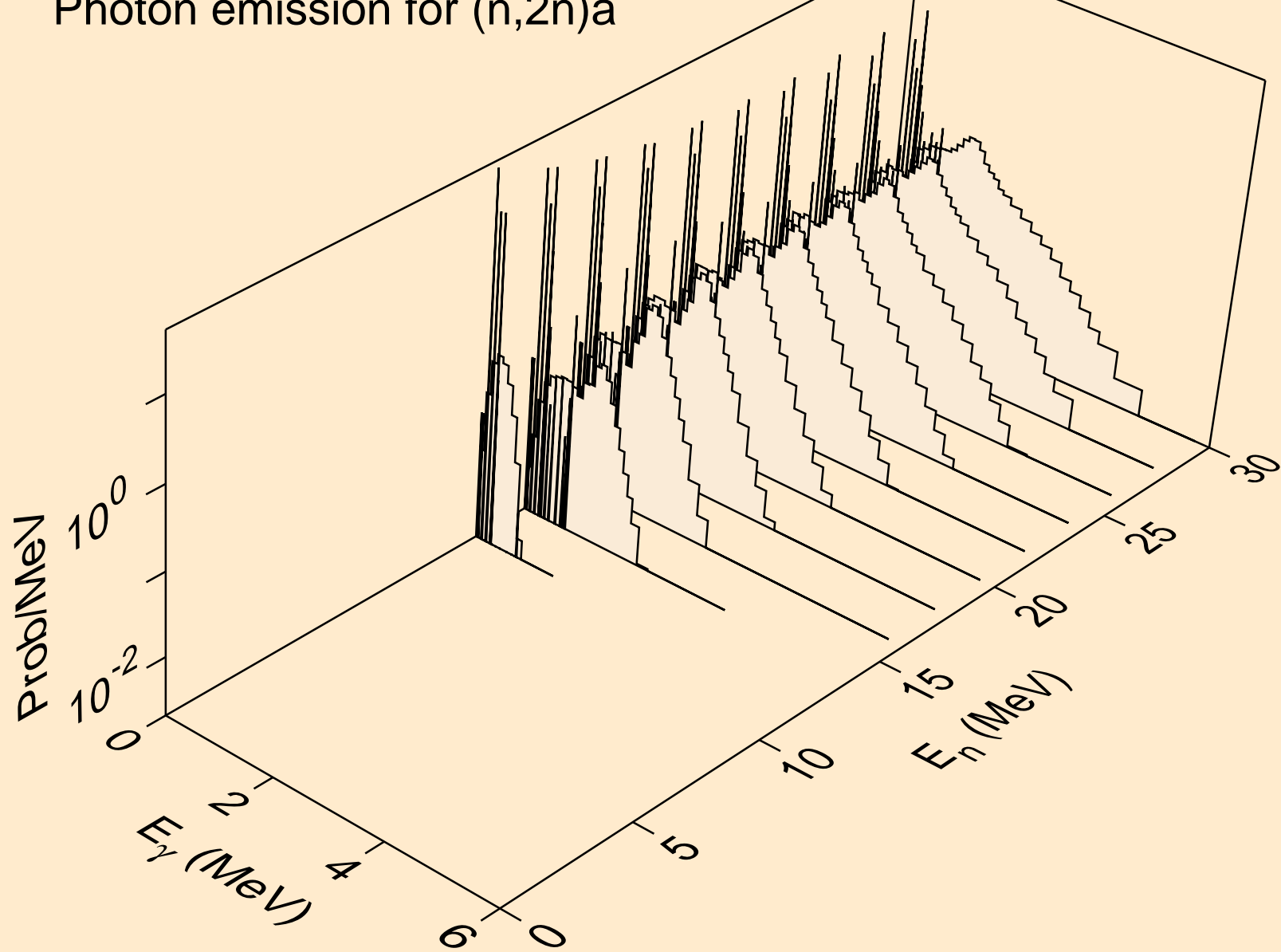
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)



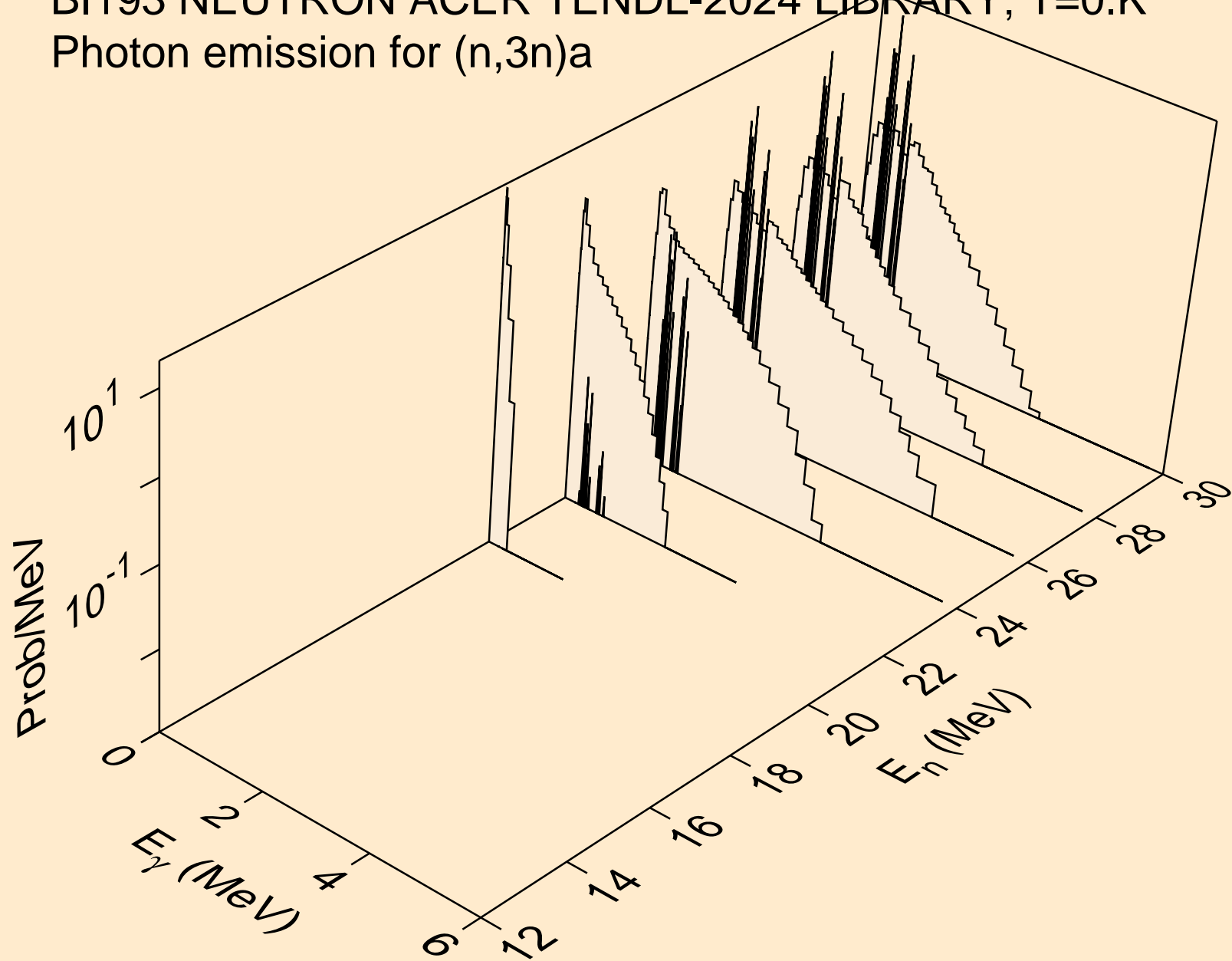
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)a



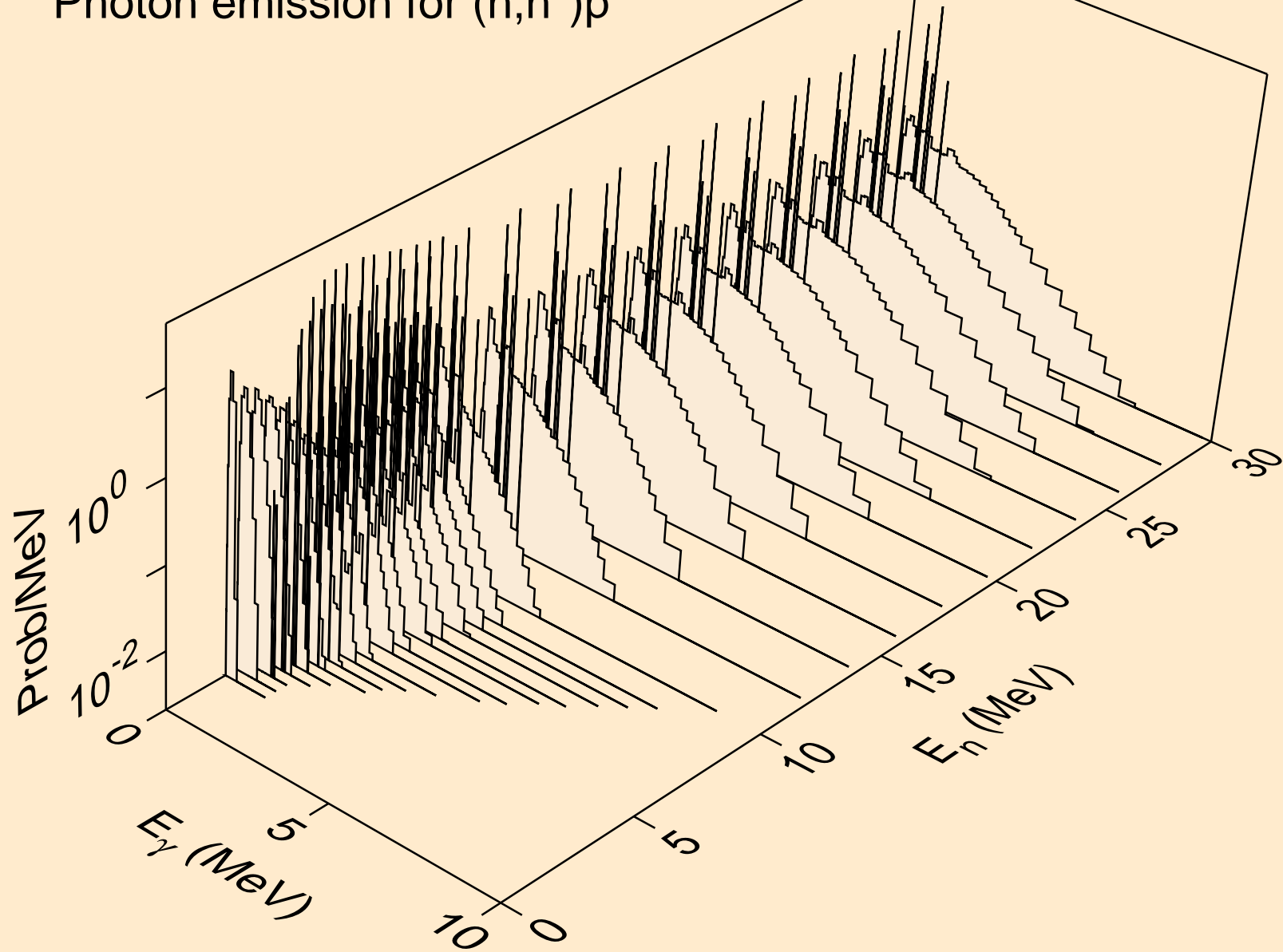
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)a



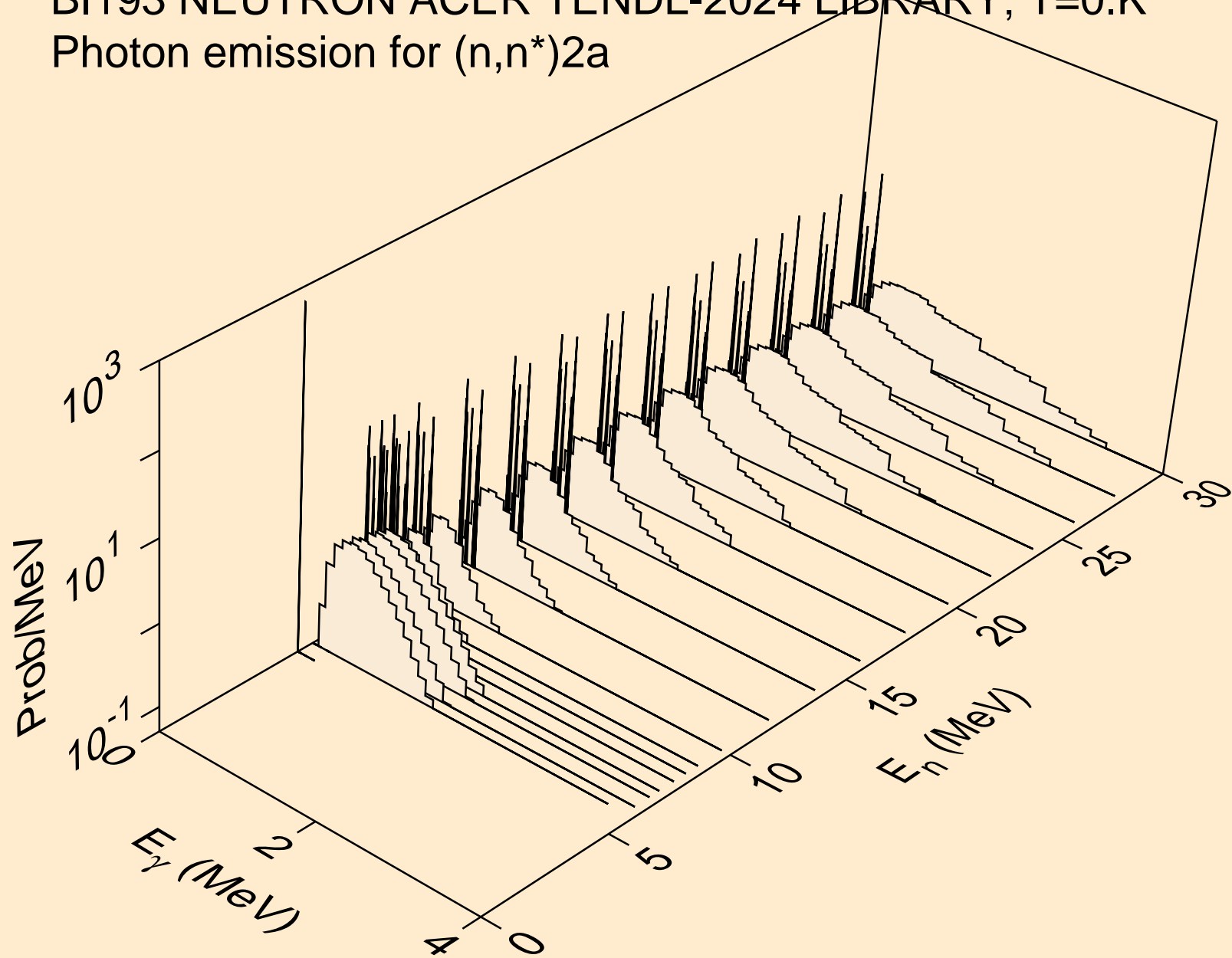
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)a



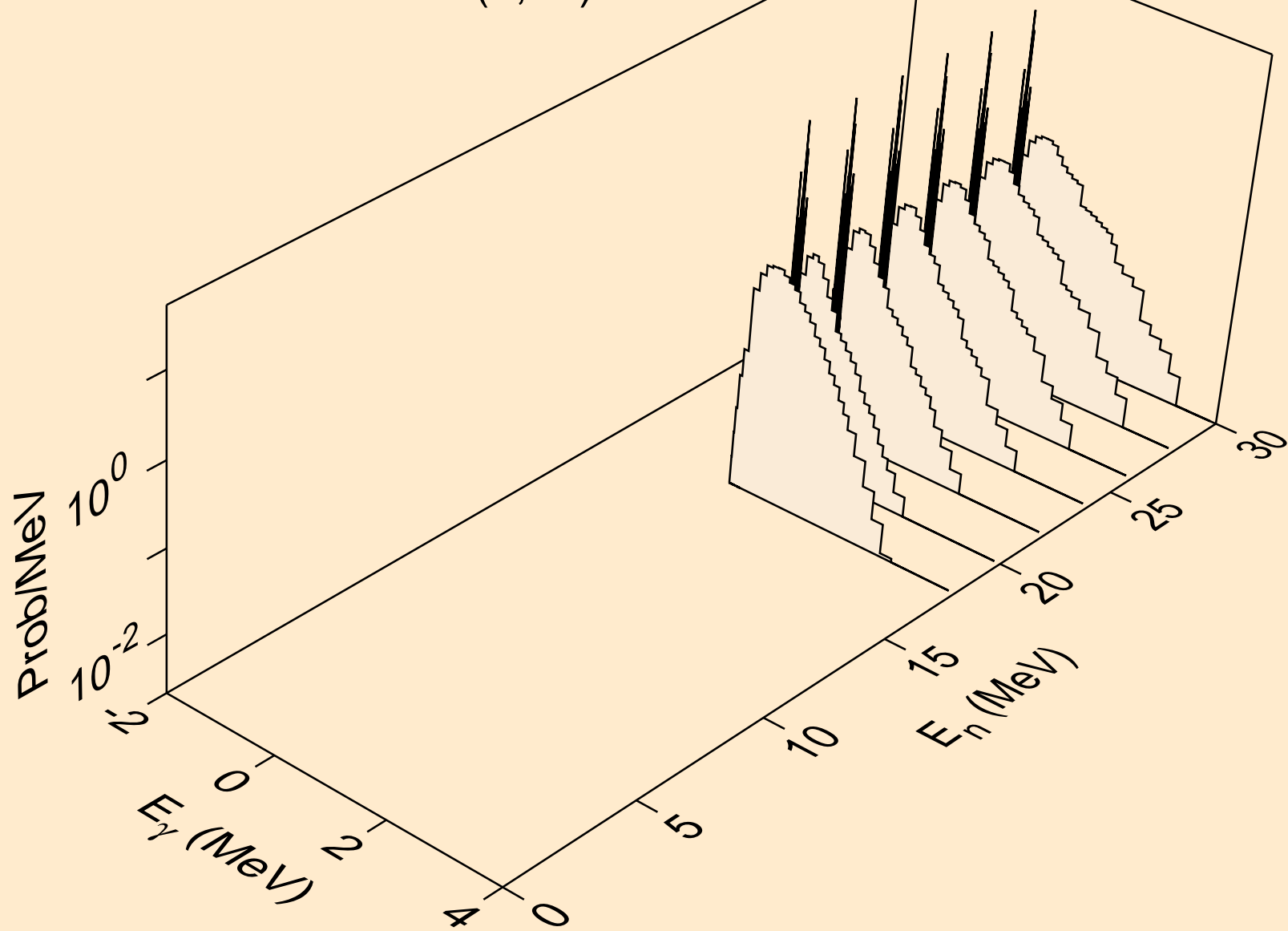
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)p



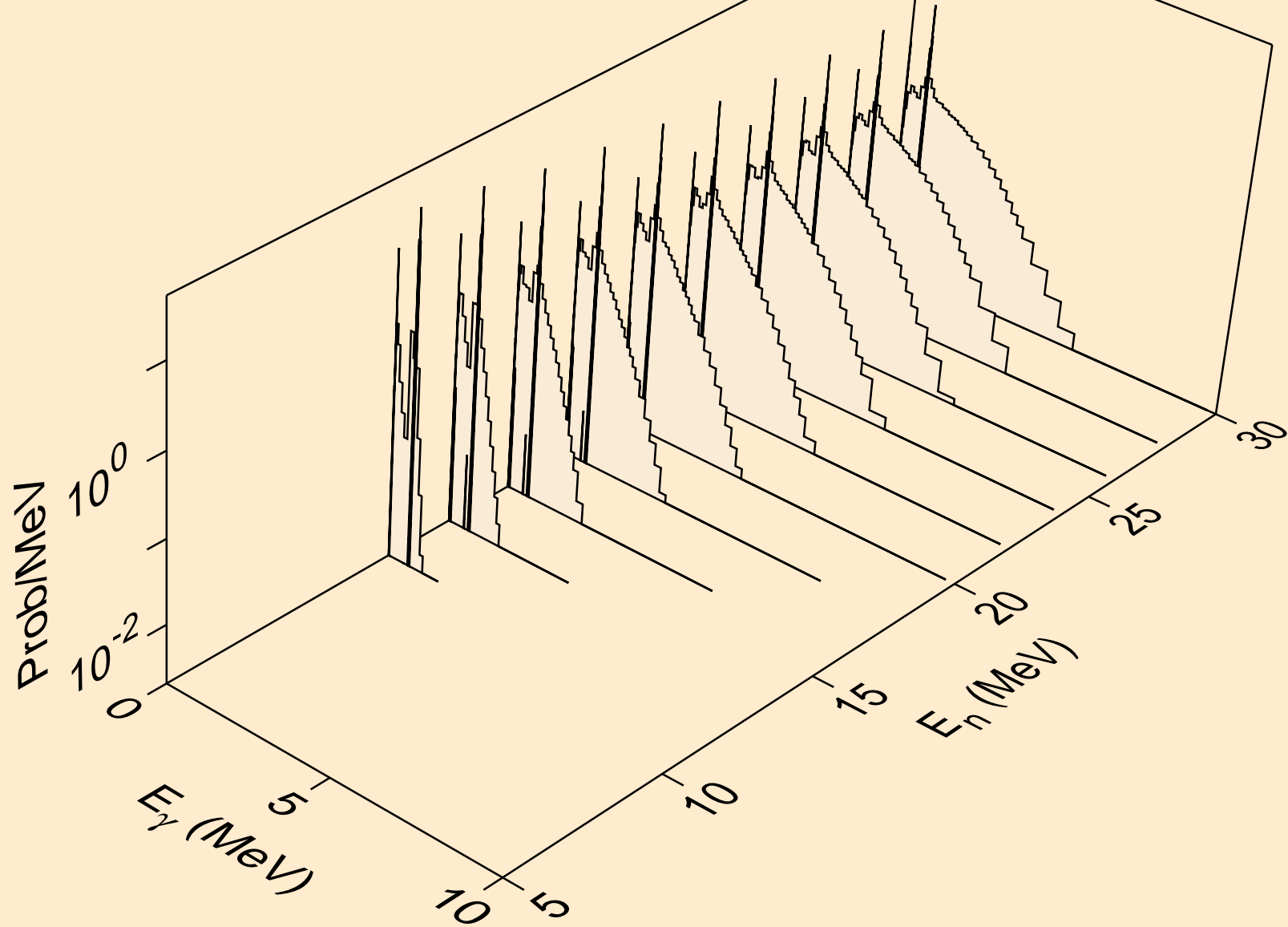
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)2a



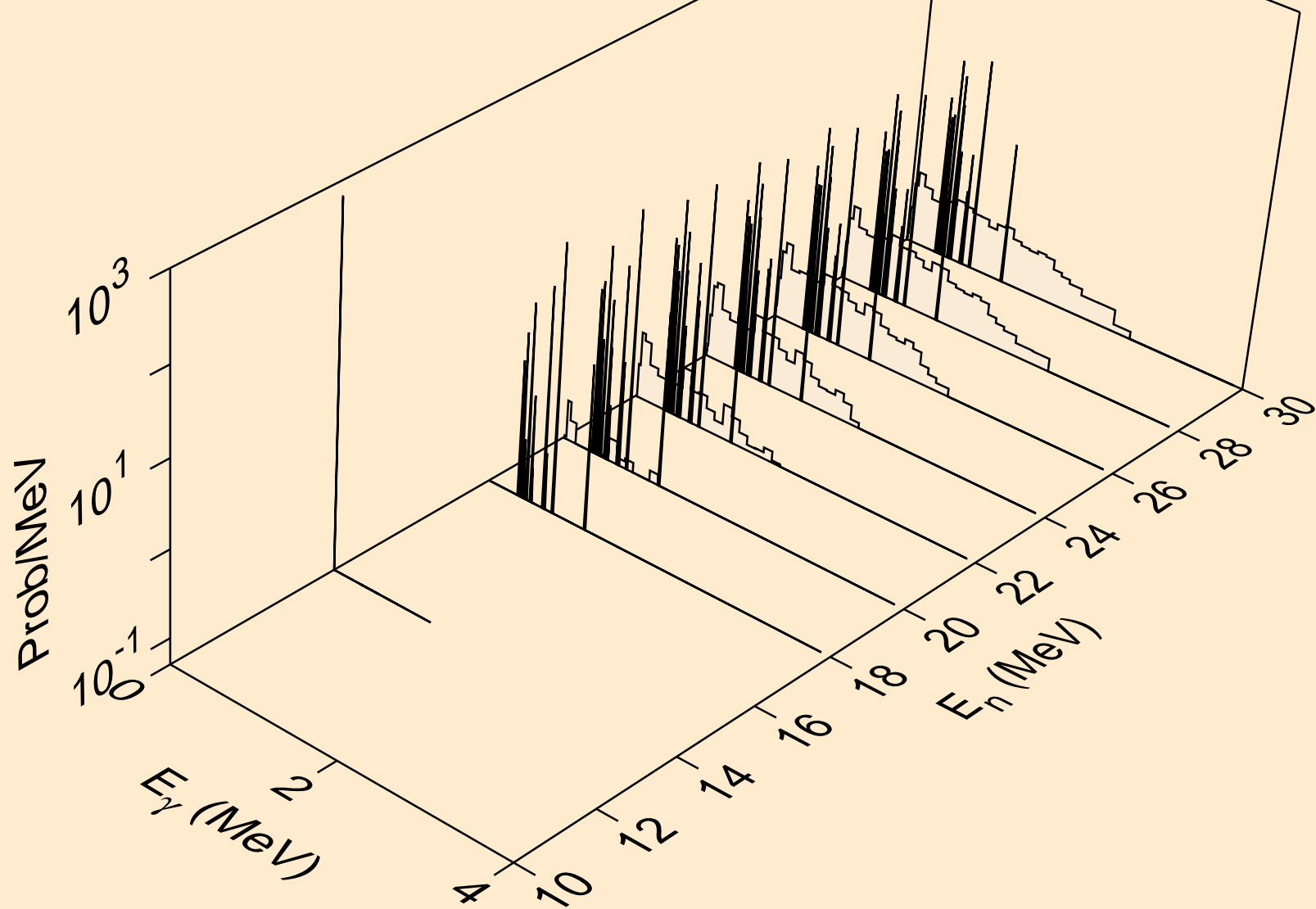
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)2a



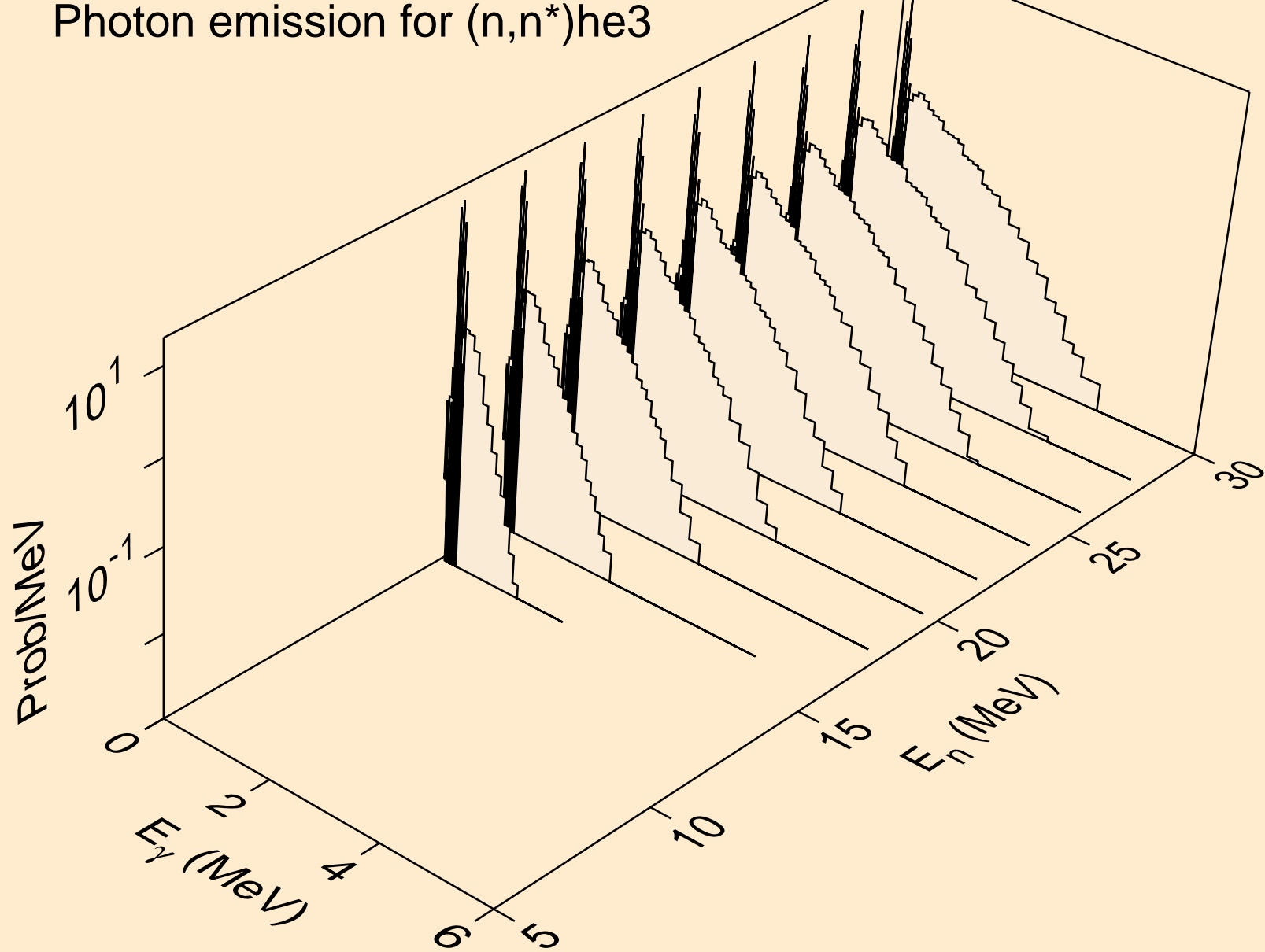
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d



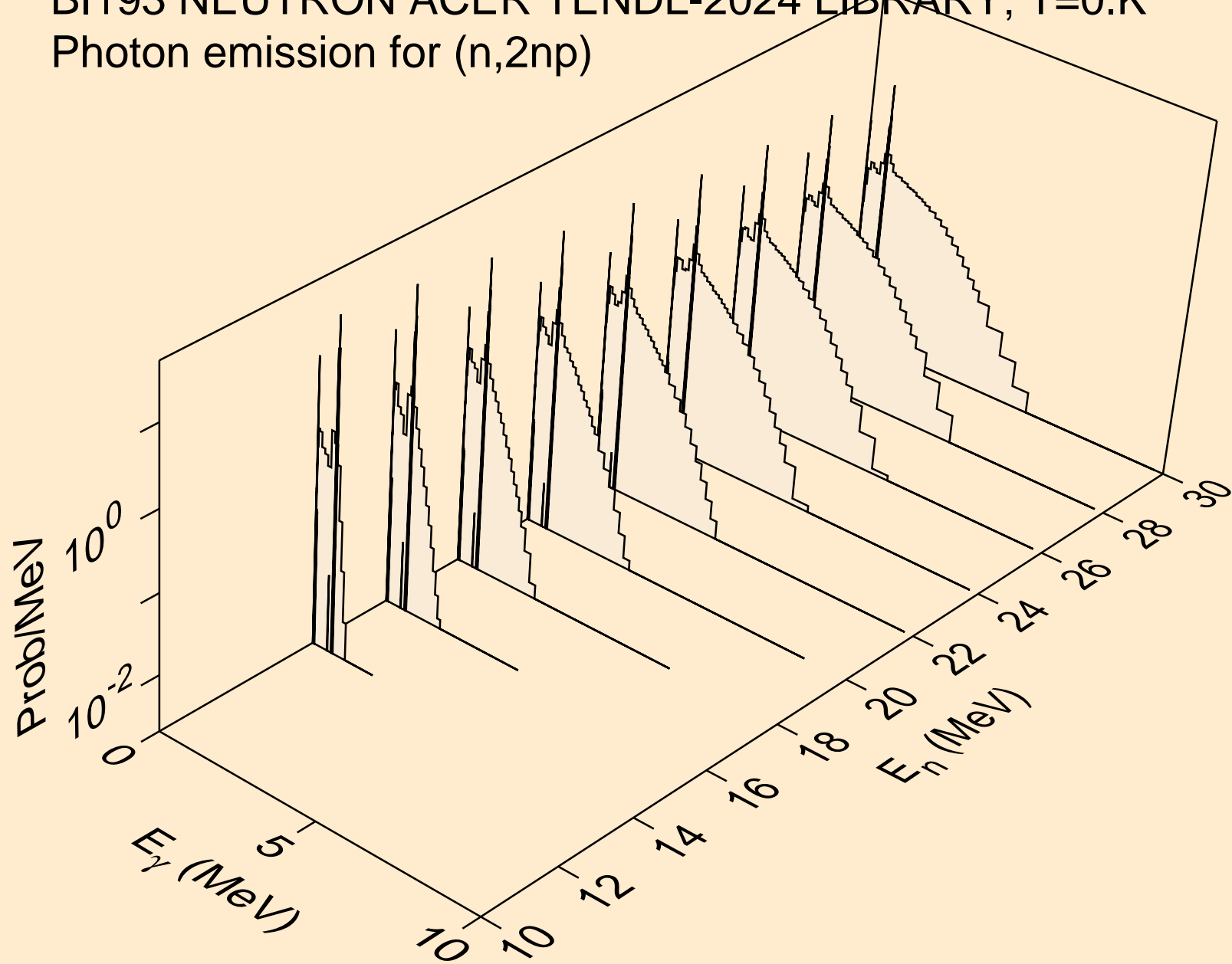
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)t



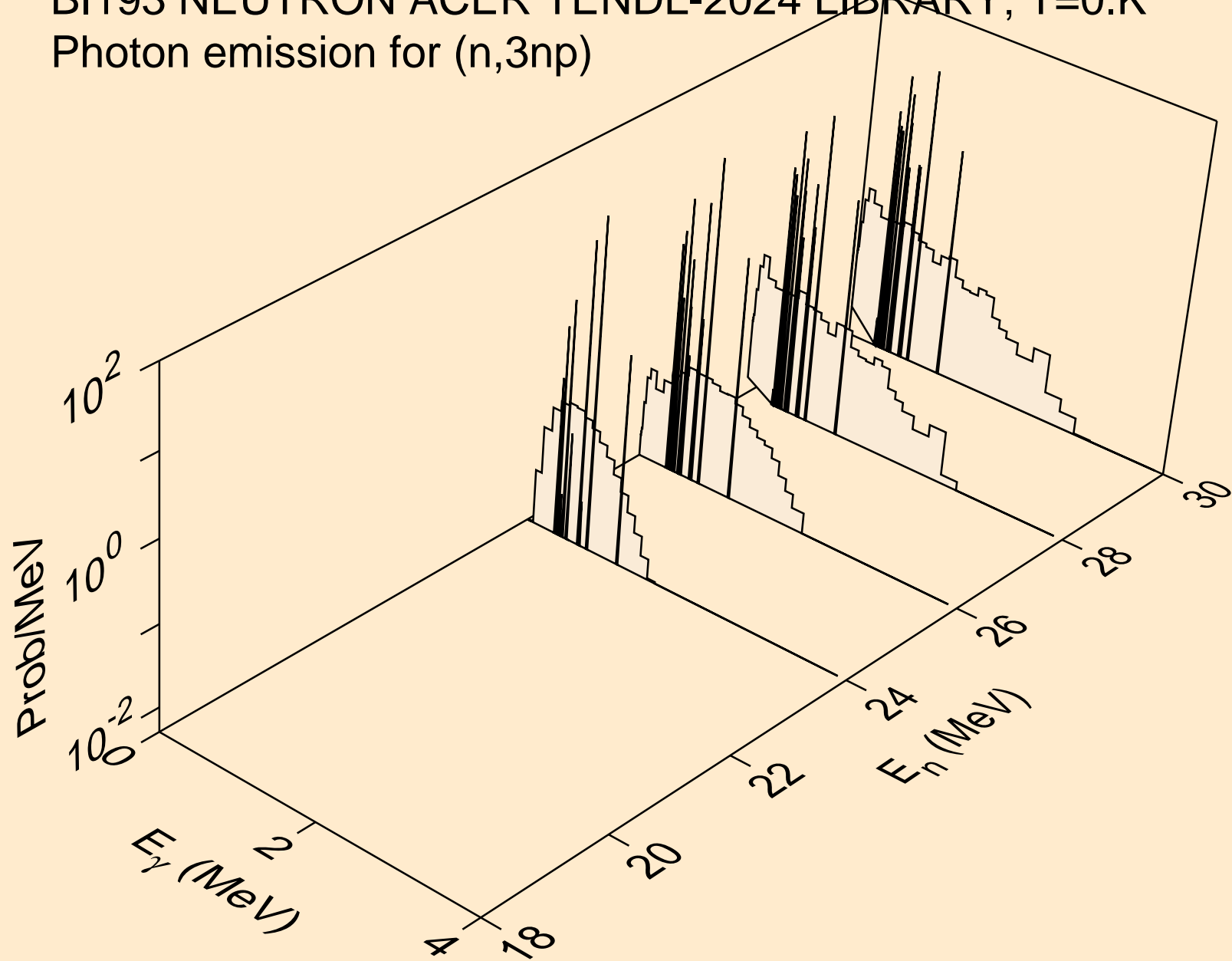
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3



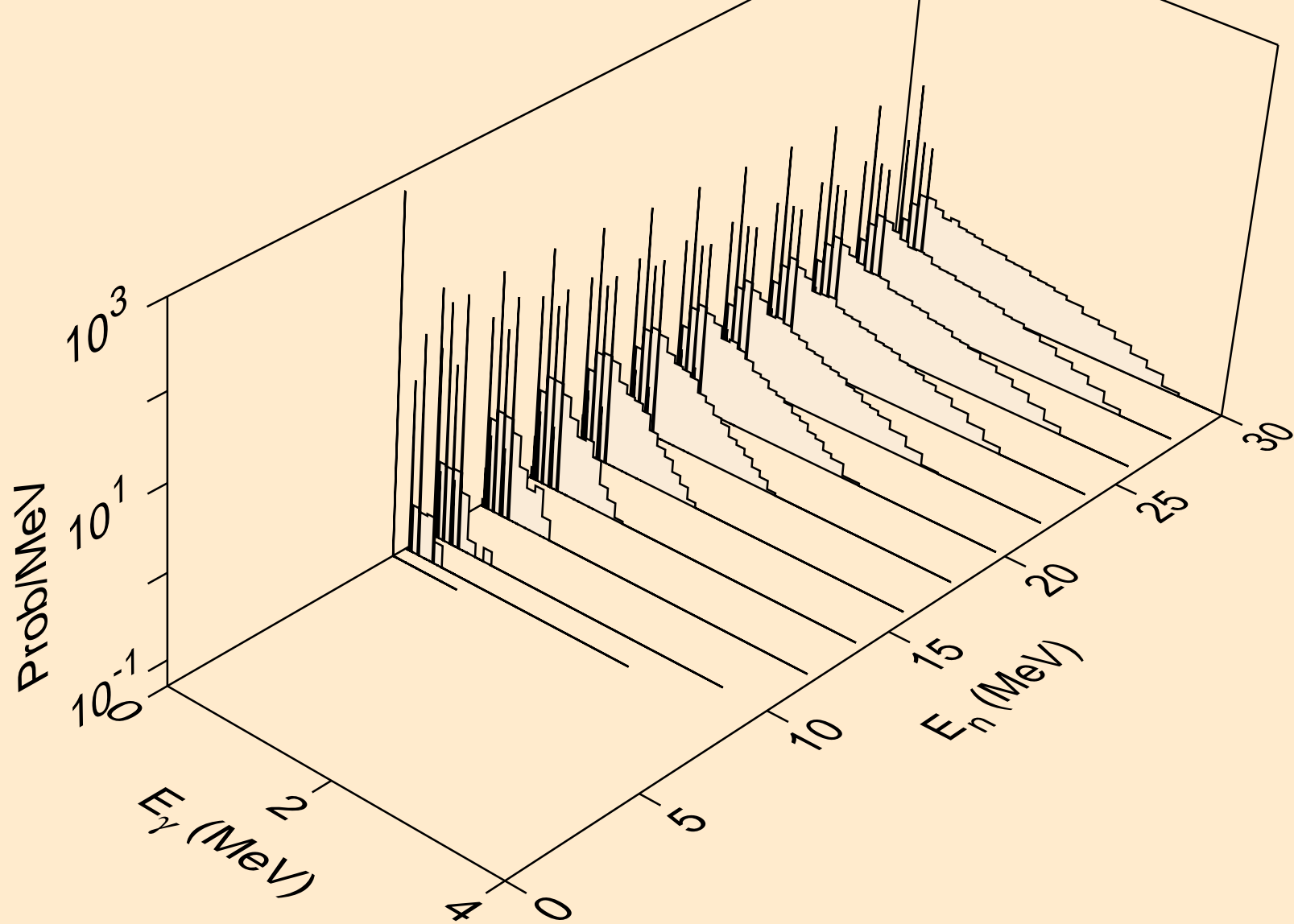
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)



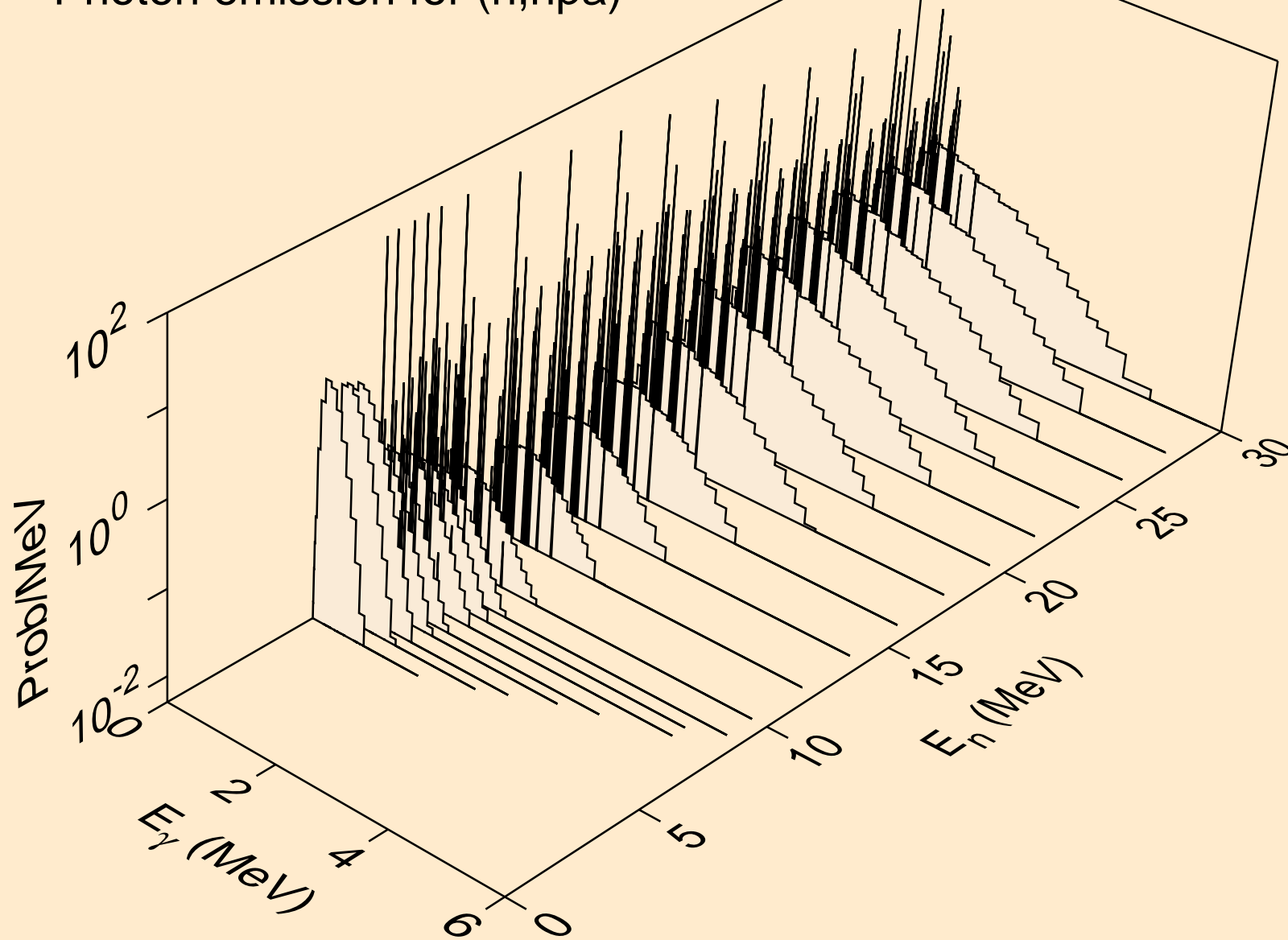
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)



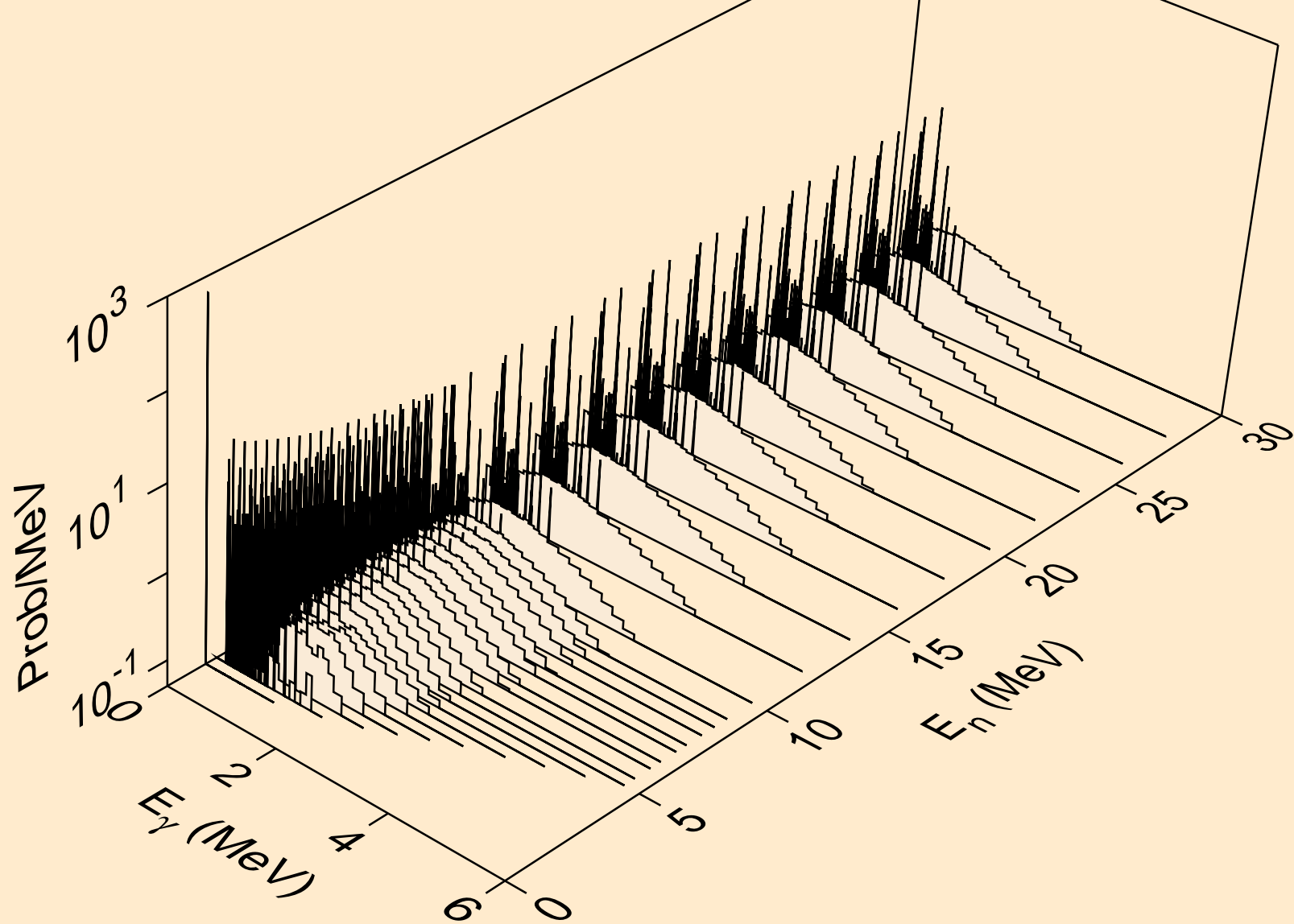
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)



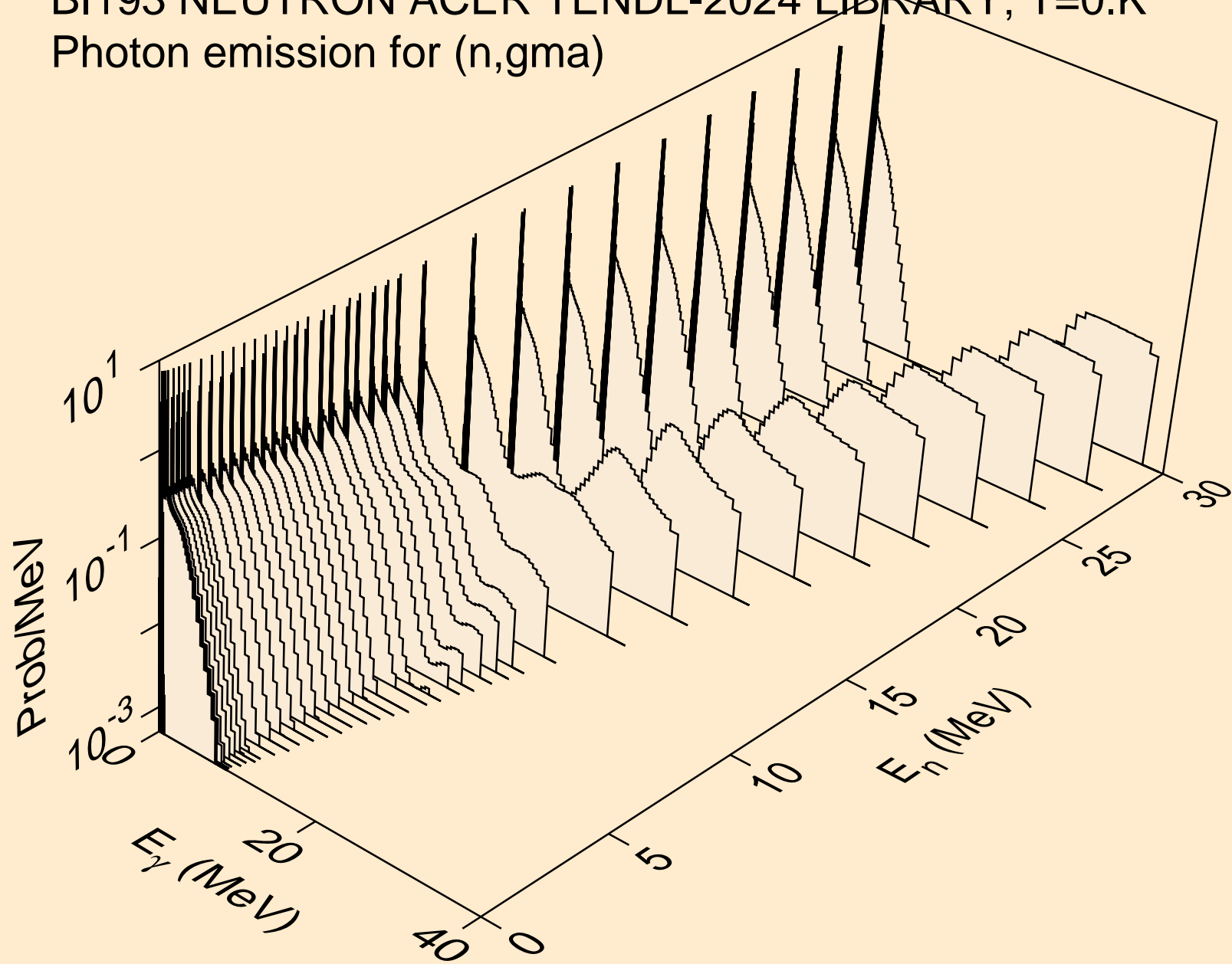
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,npa)



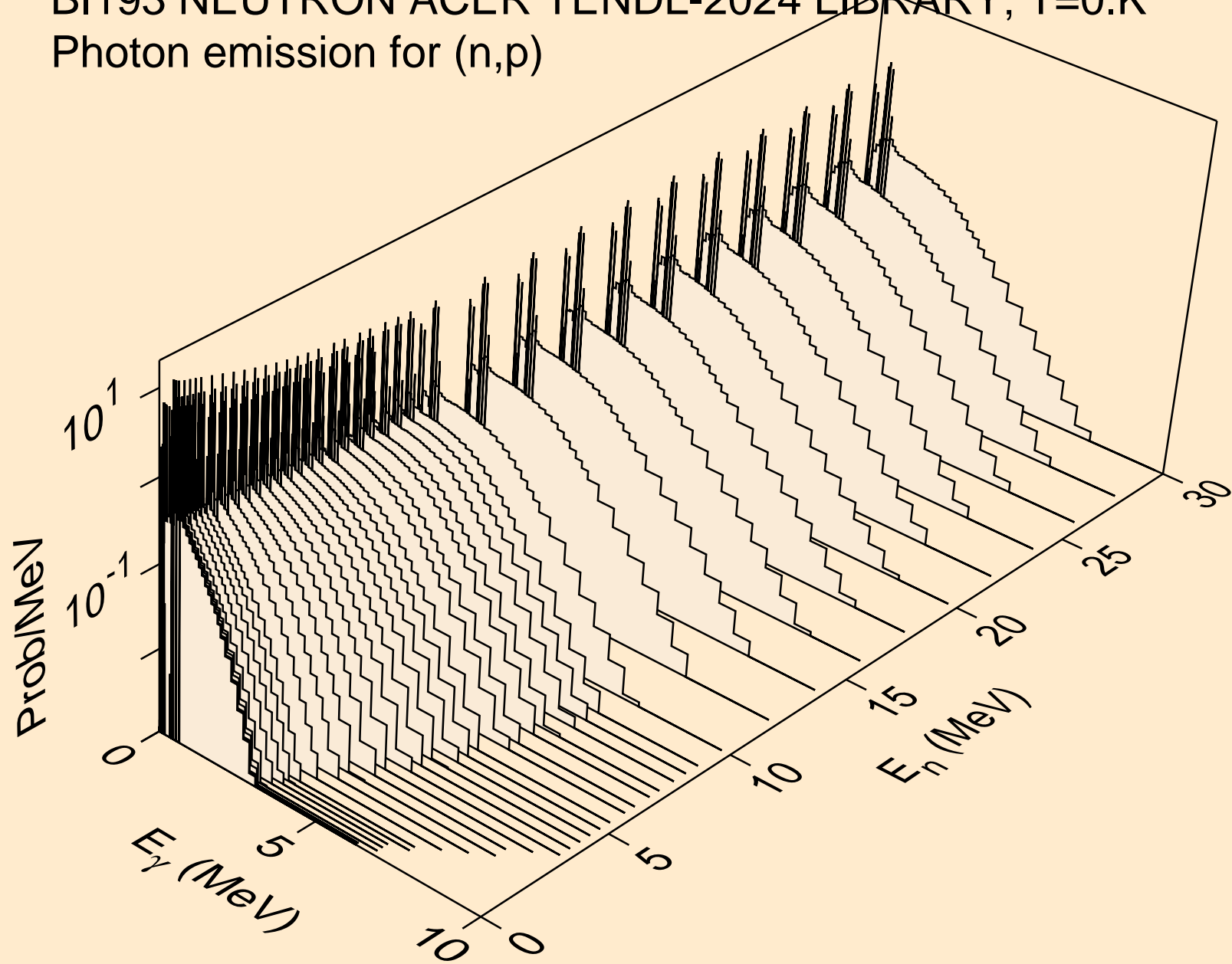
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*c)



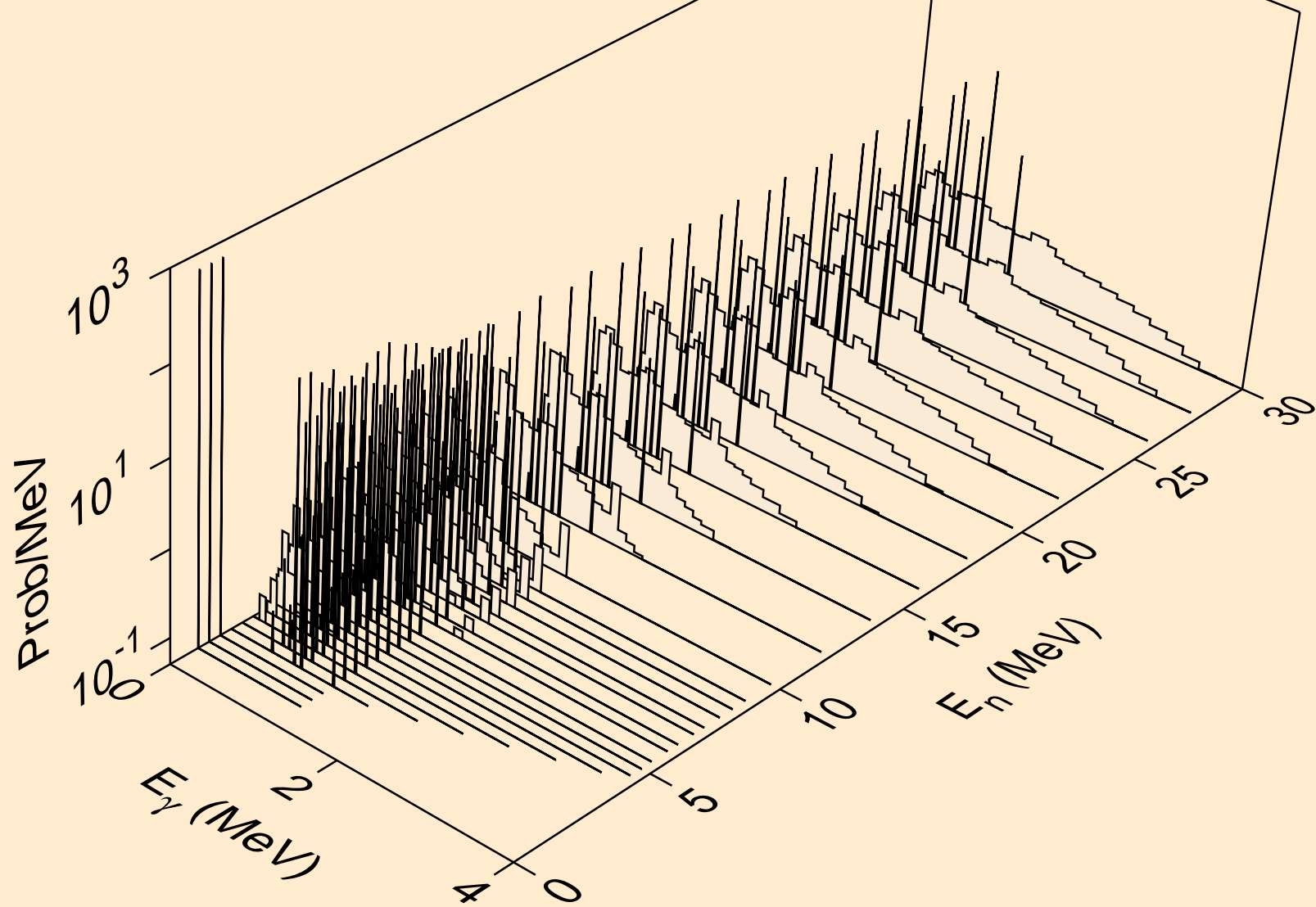
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)



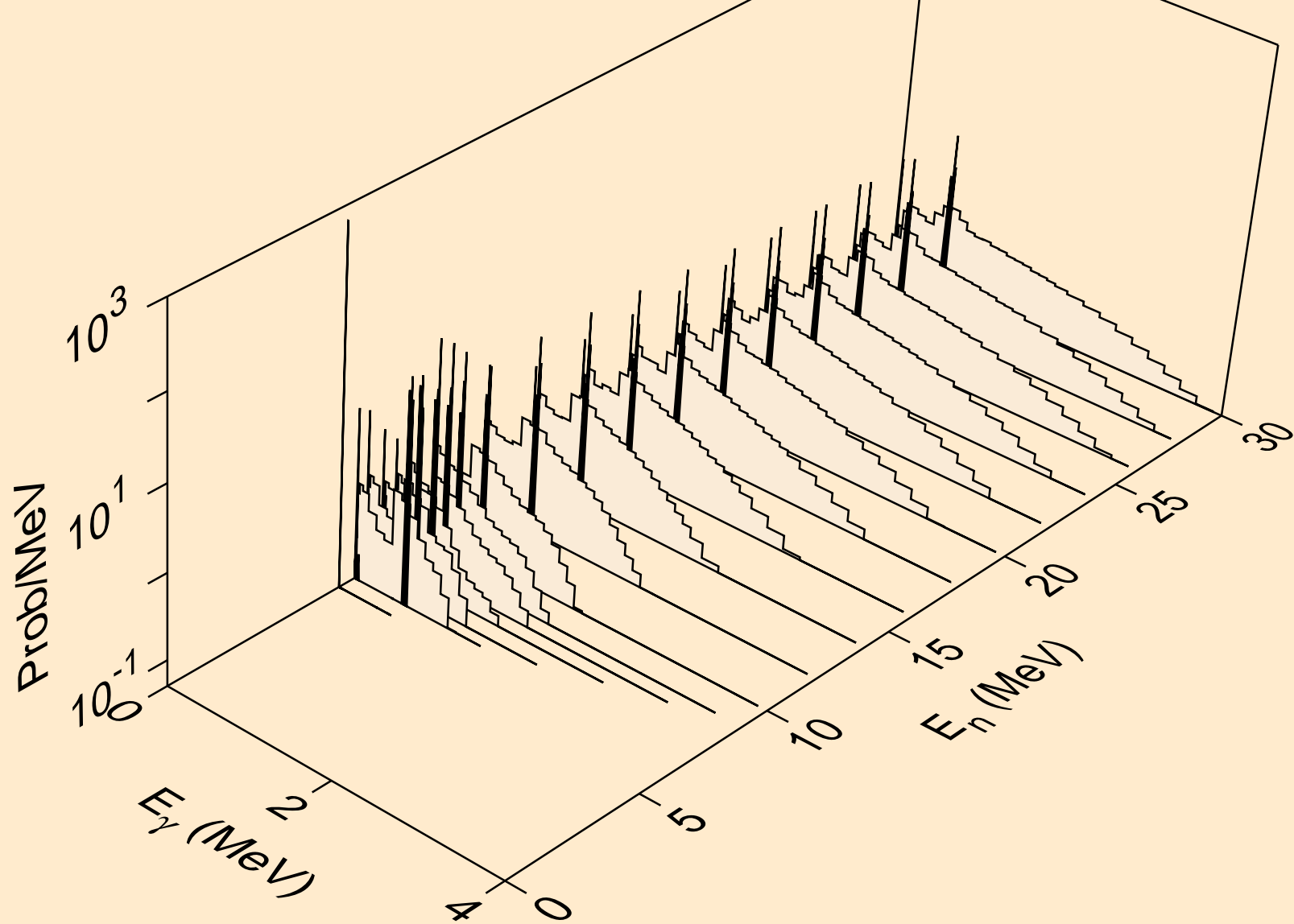
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p)



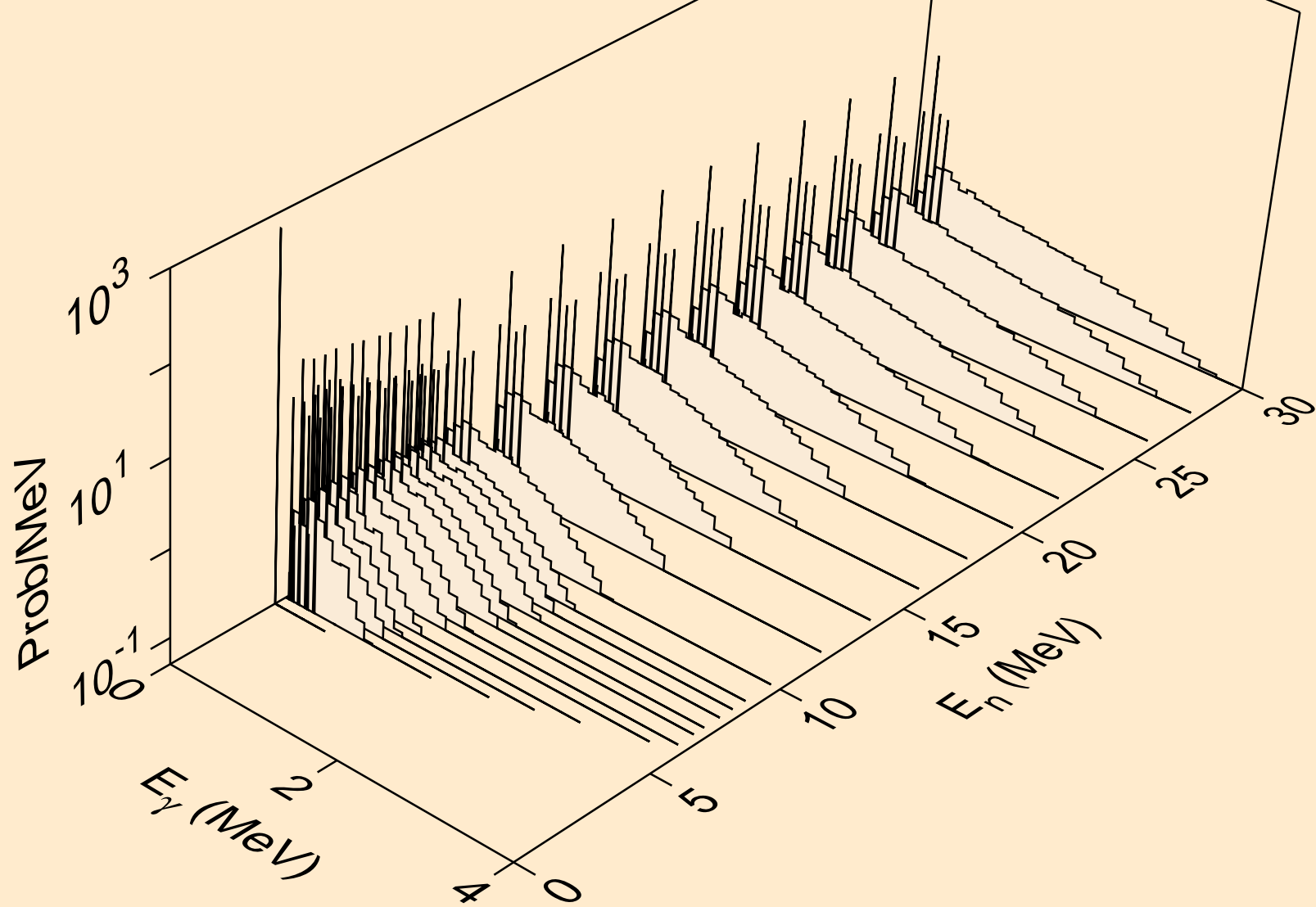
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d)



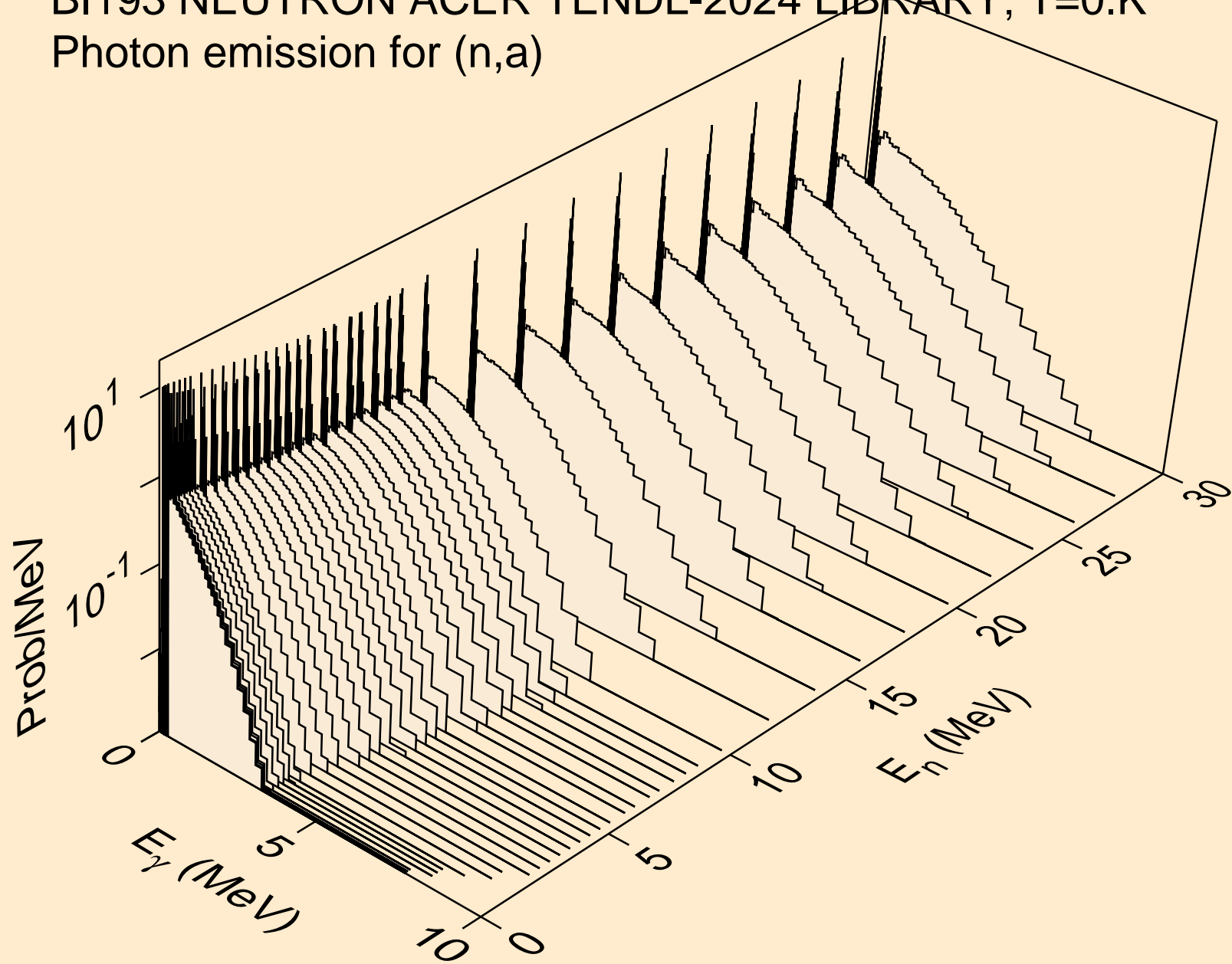
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t)



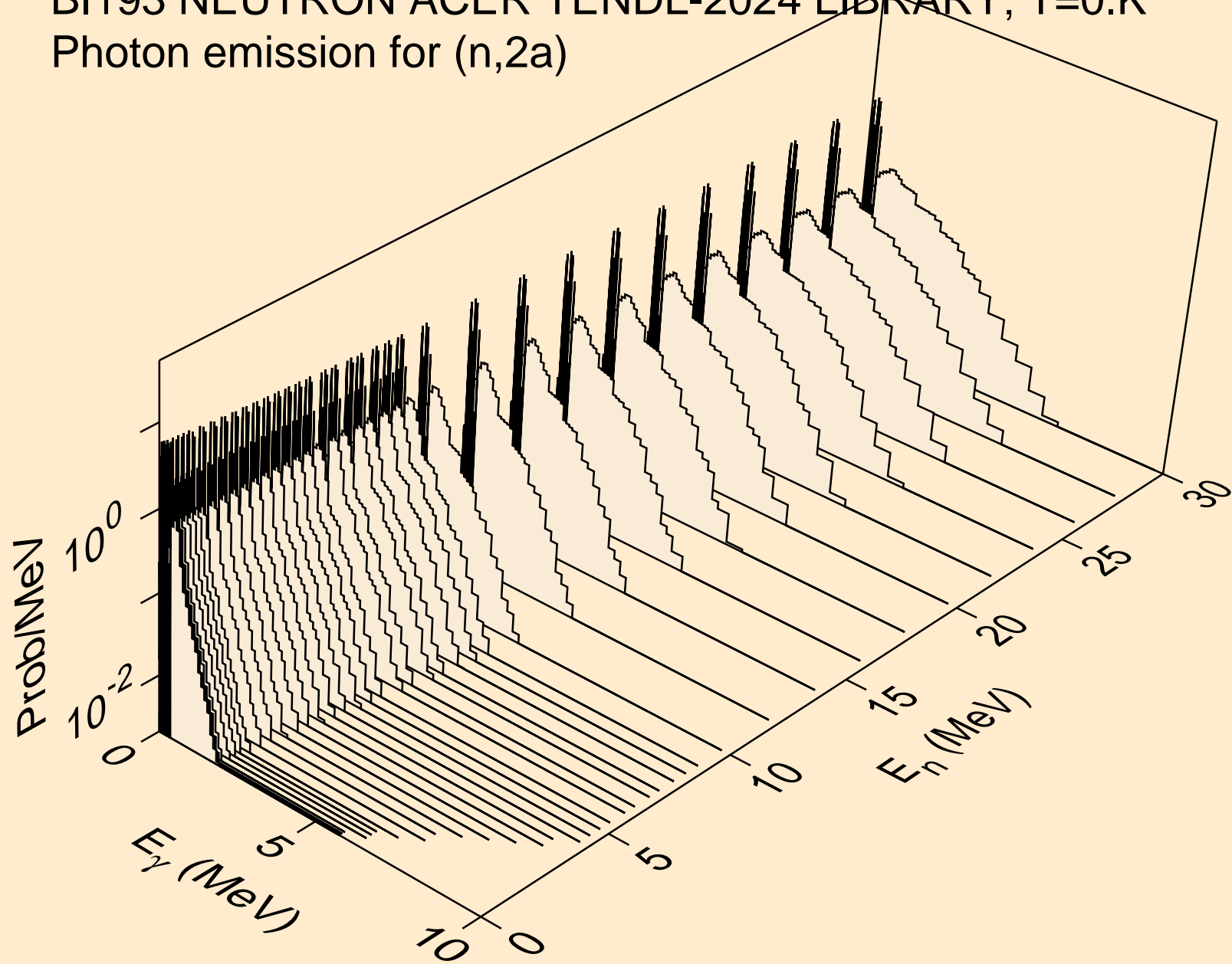
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,he3)



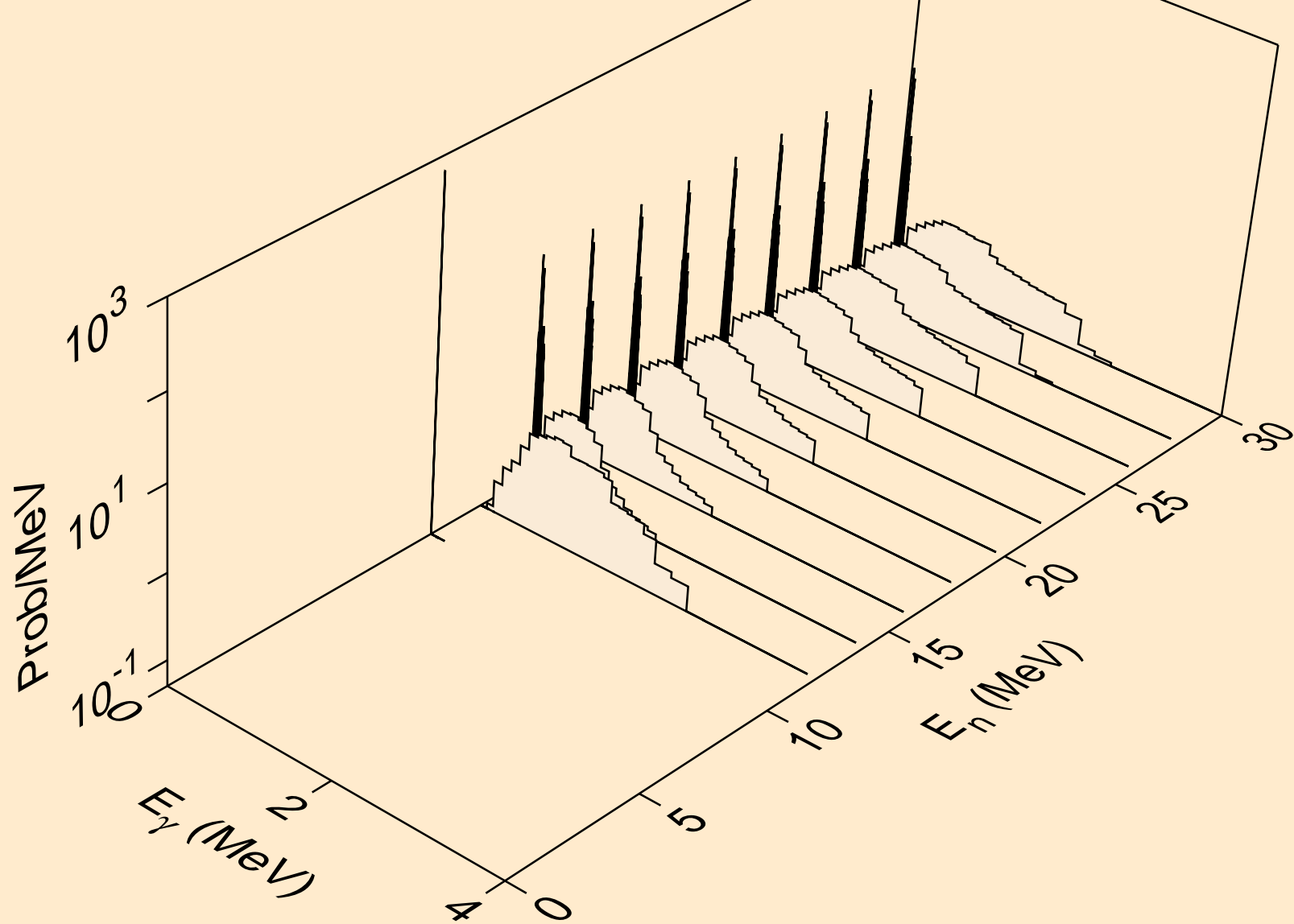
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,a)



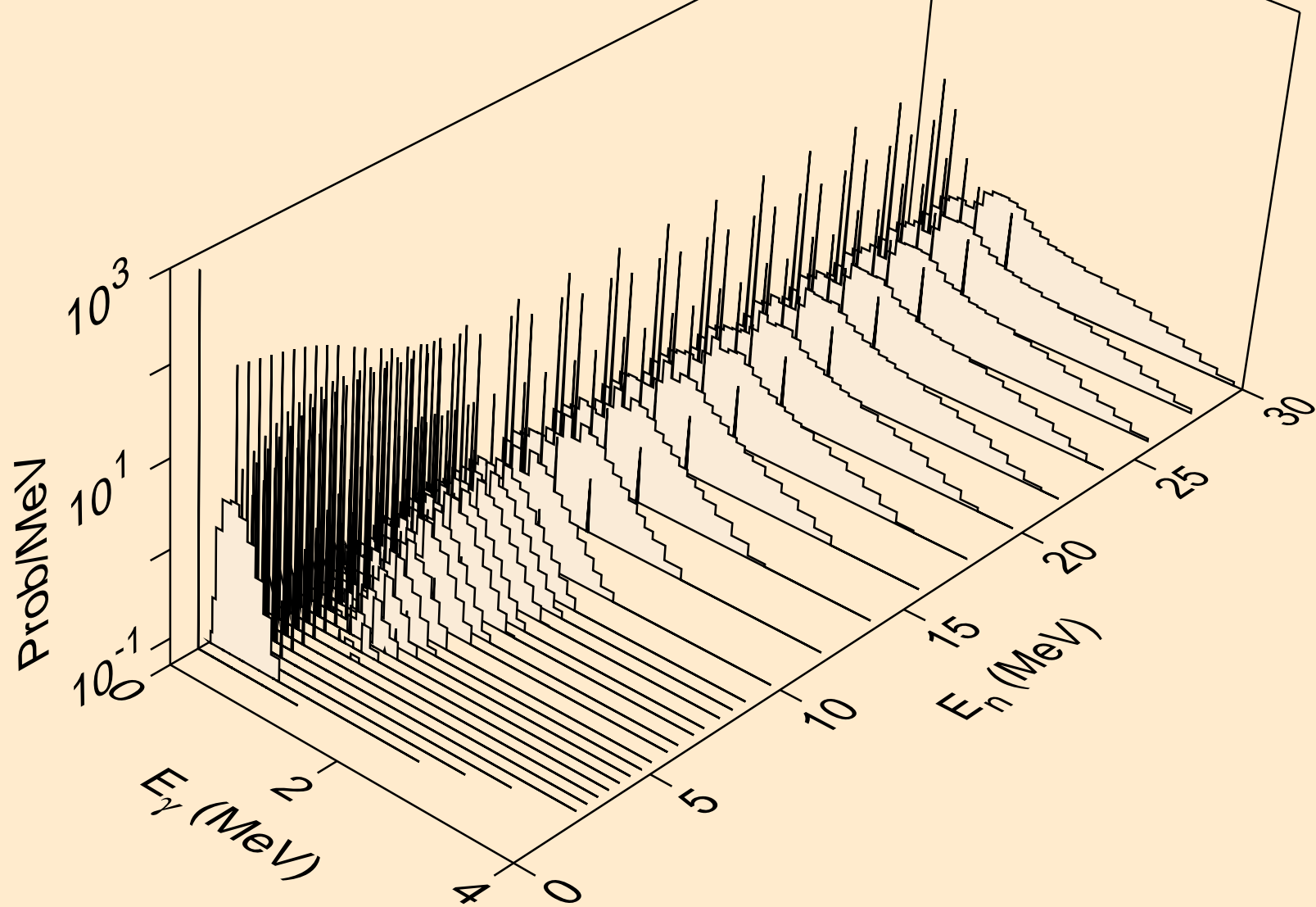
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2a)



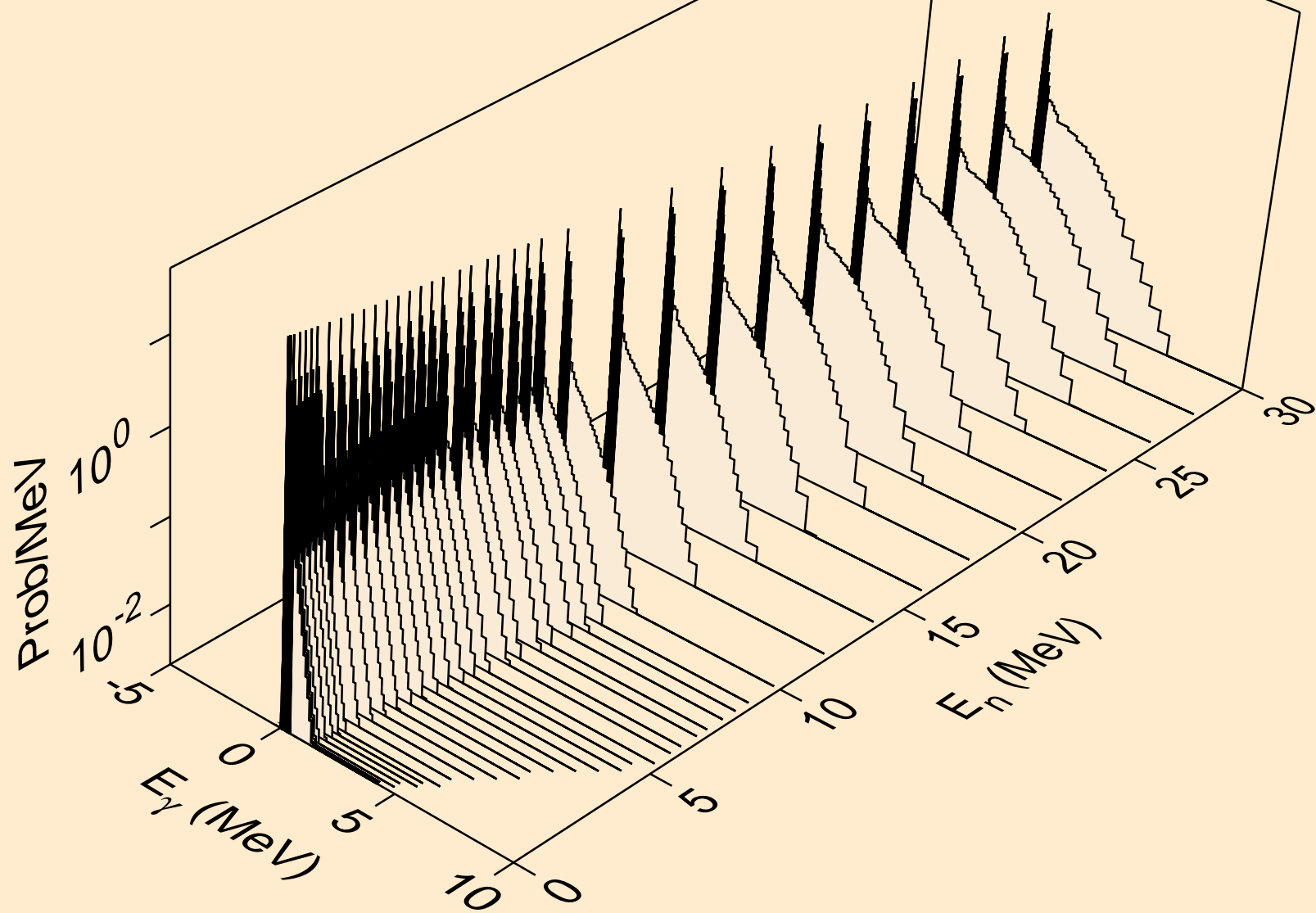
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3a)



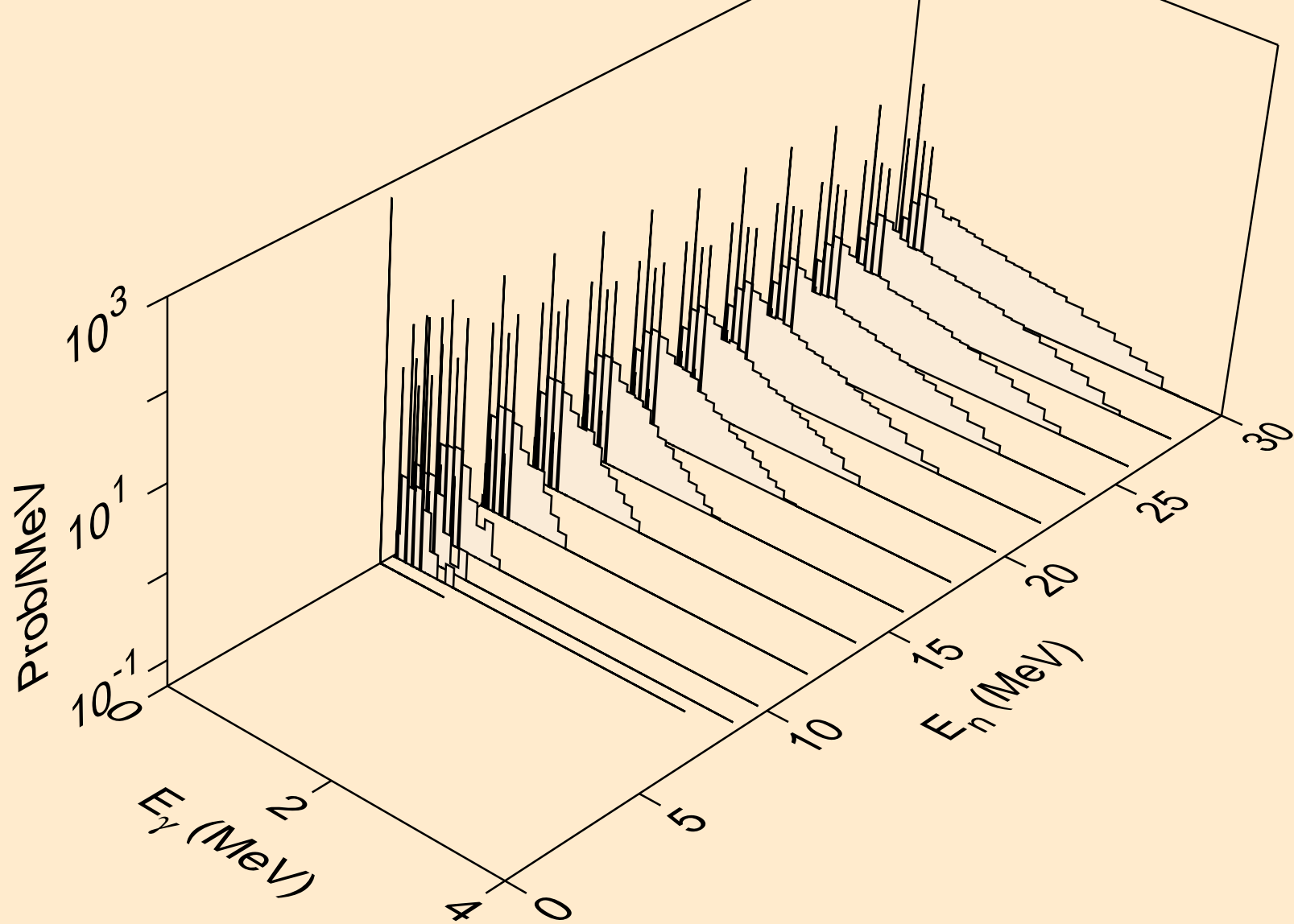
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)



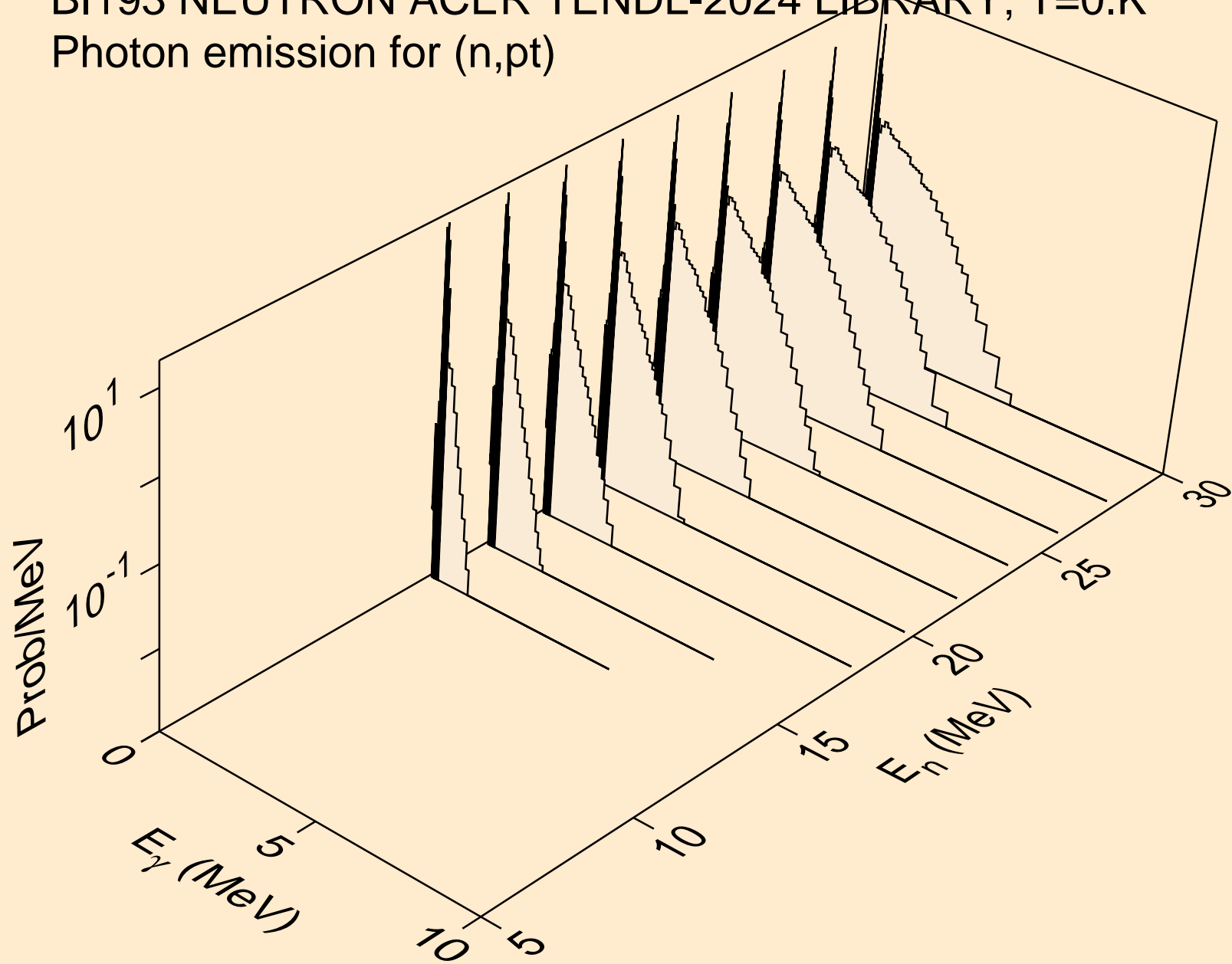
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,p α)



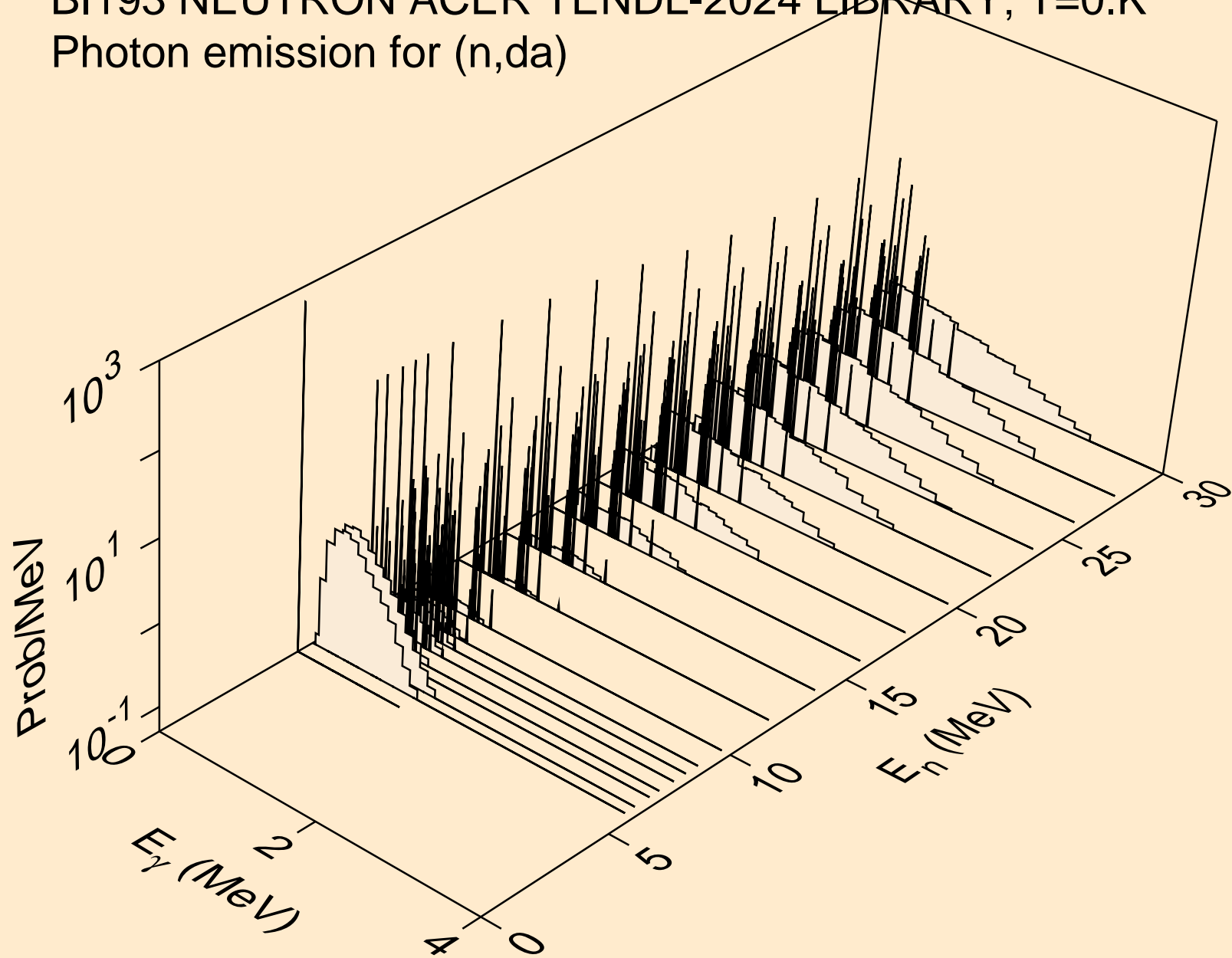
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pd)



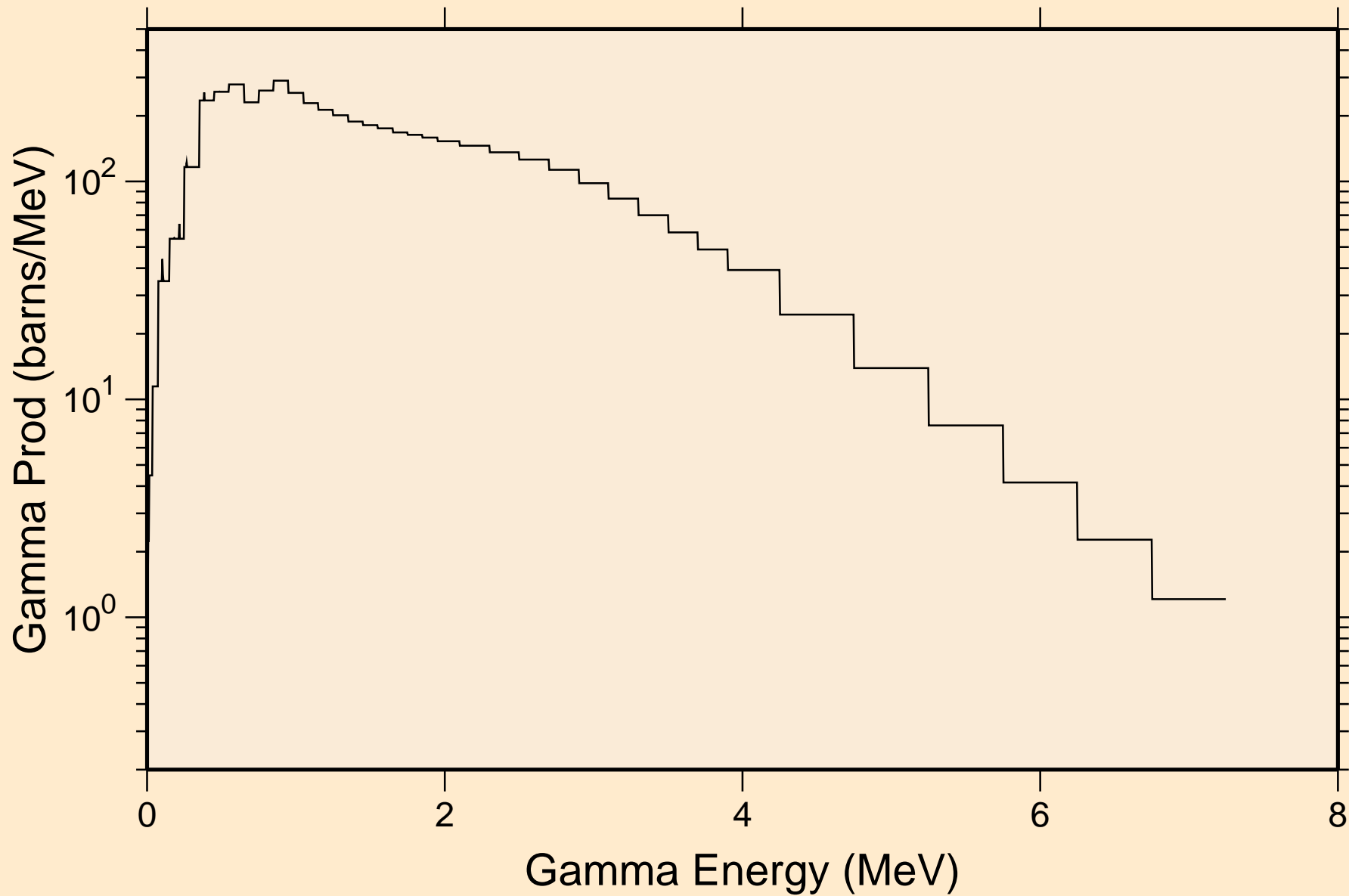
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pt)



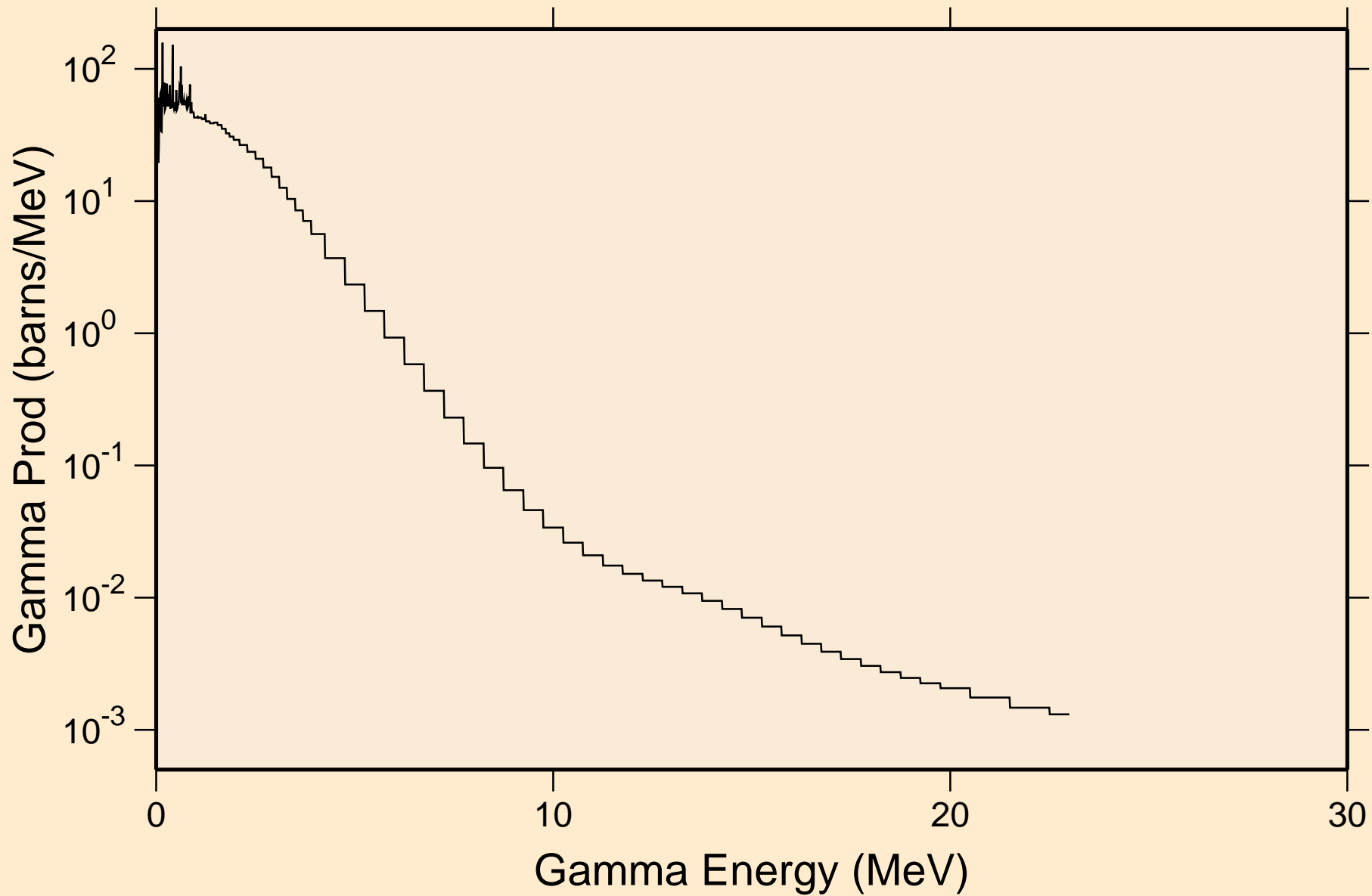
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,da)



BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
thermal capture photon spectrum

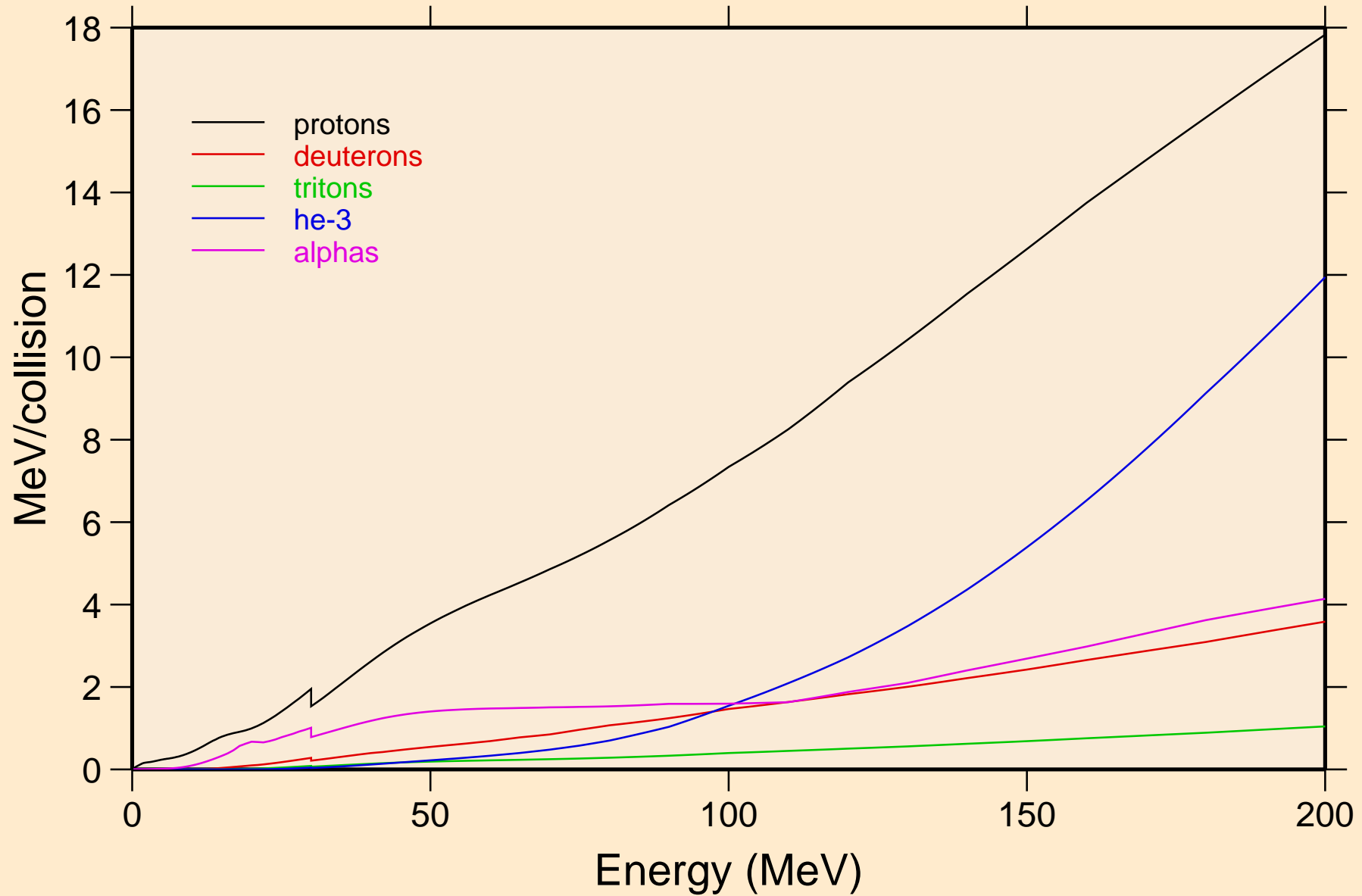


BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
14 MeV photon spectrum



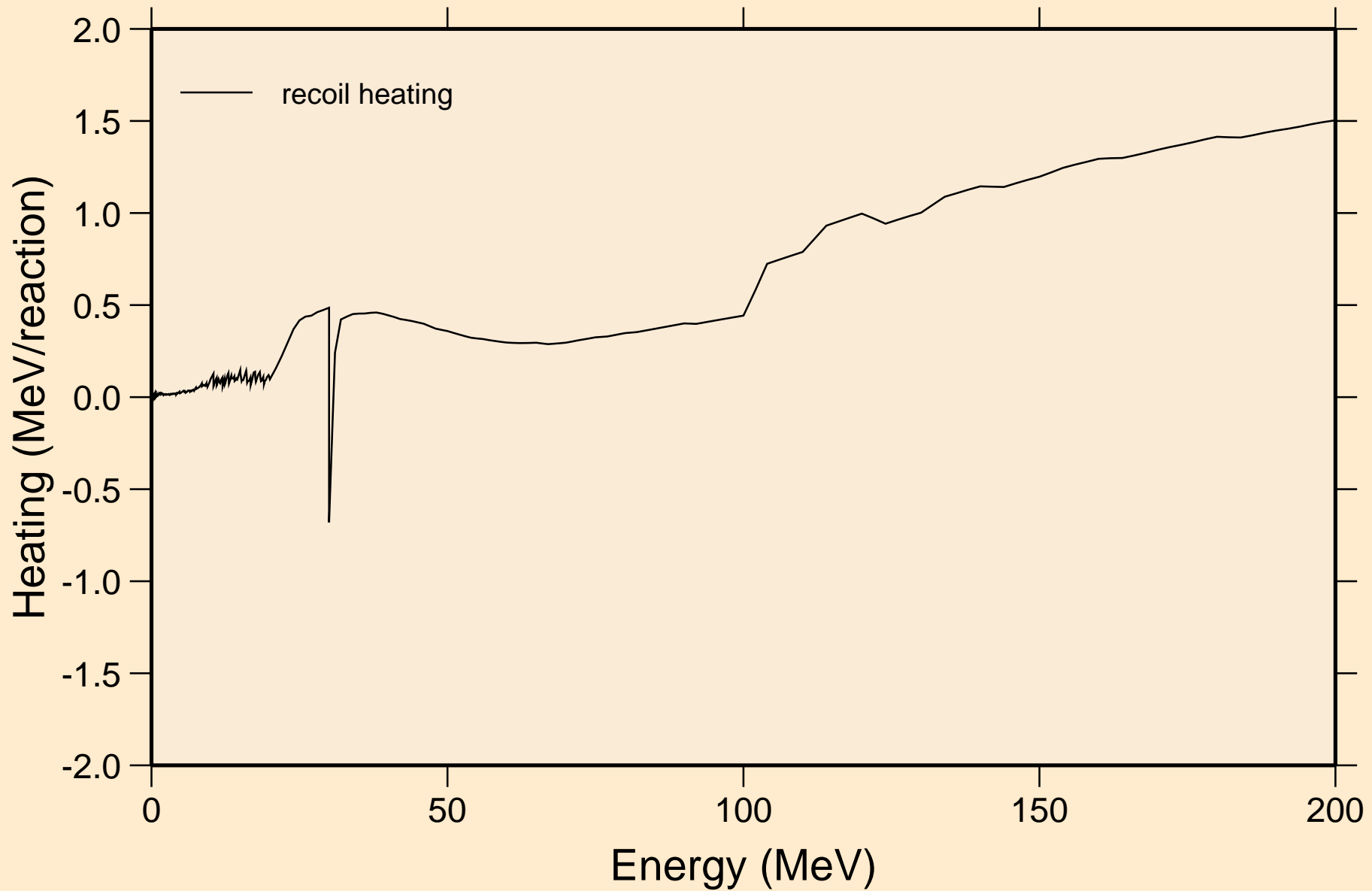
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Particle heating contributions



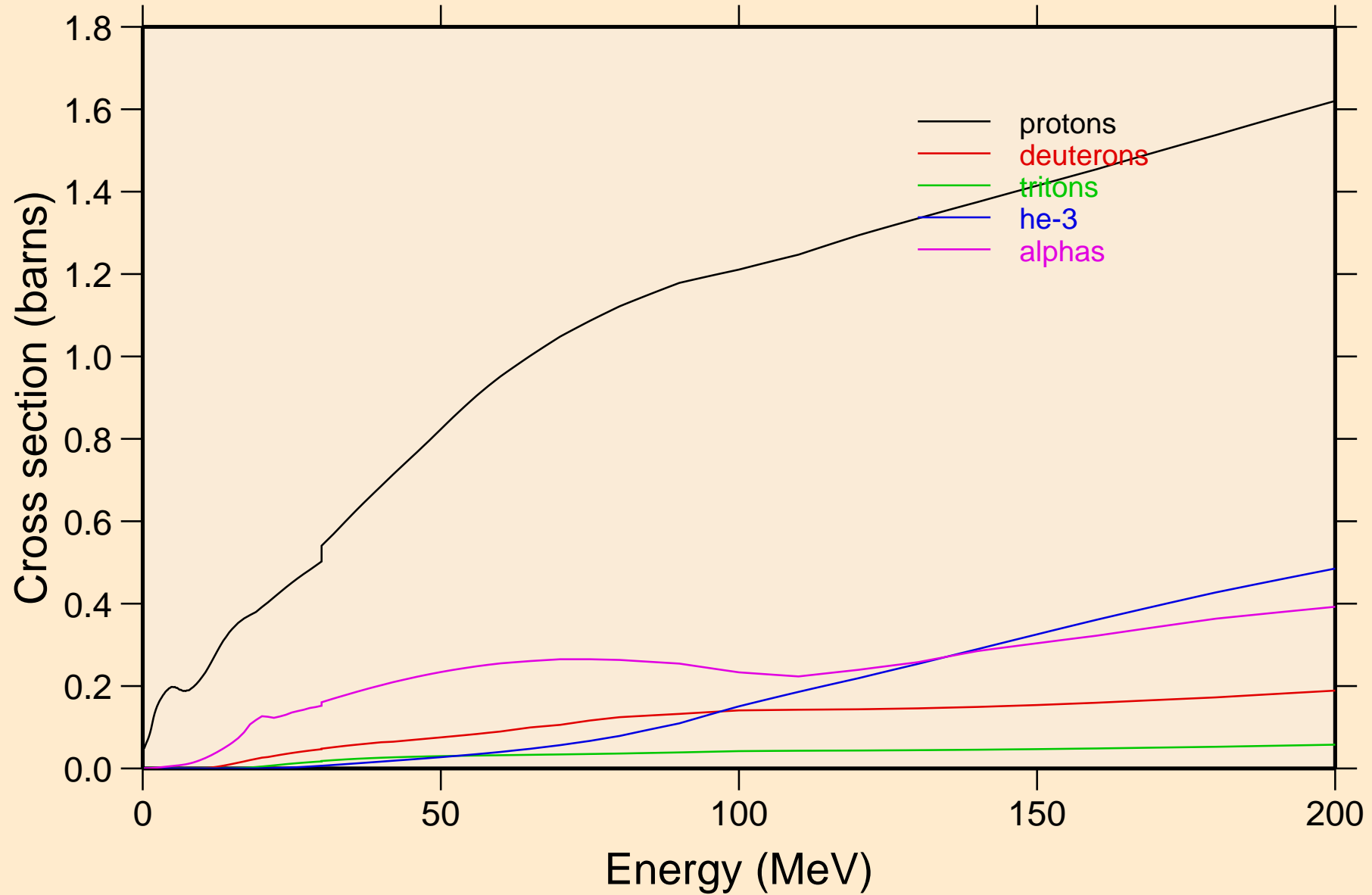
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

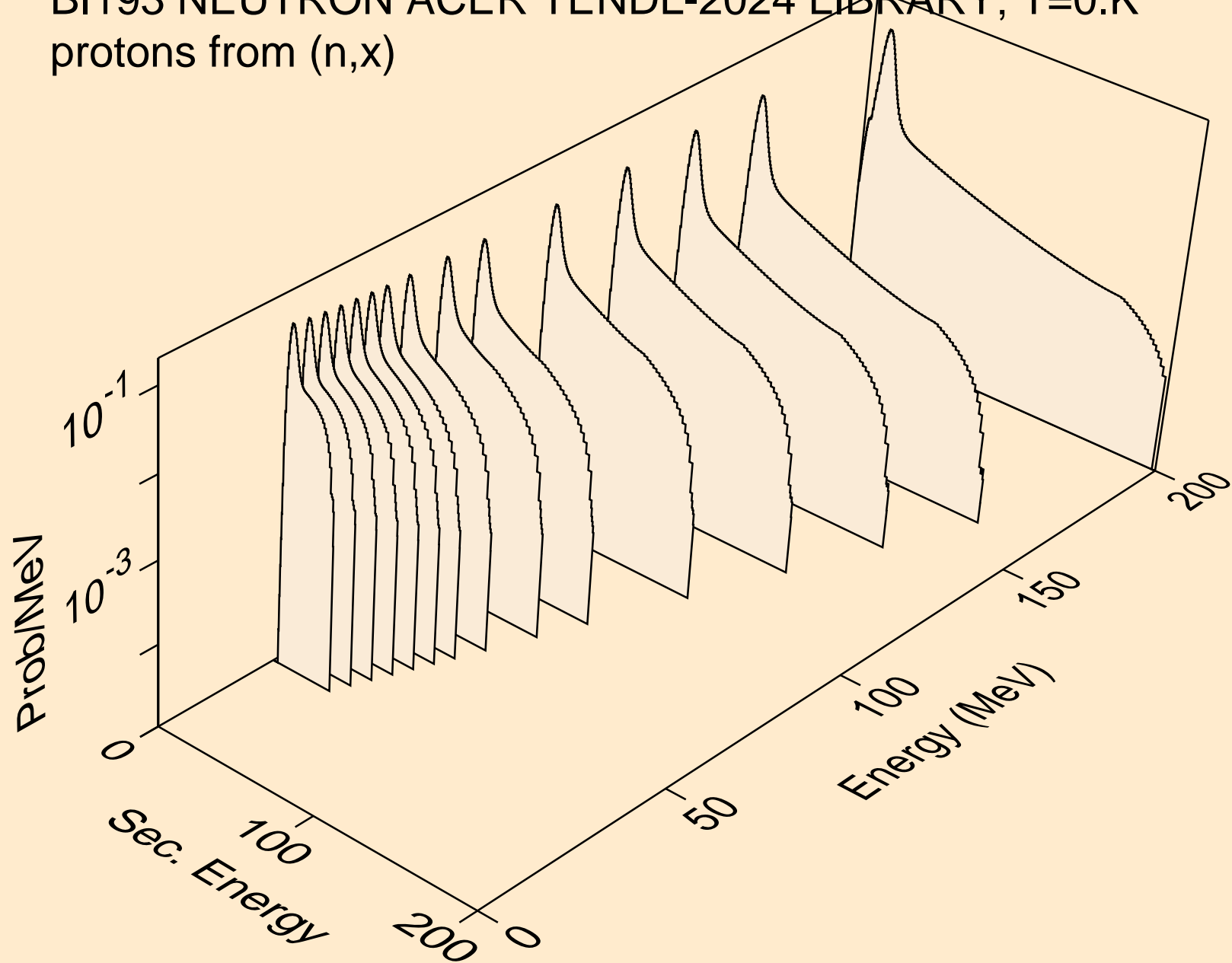


BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

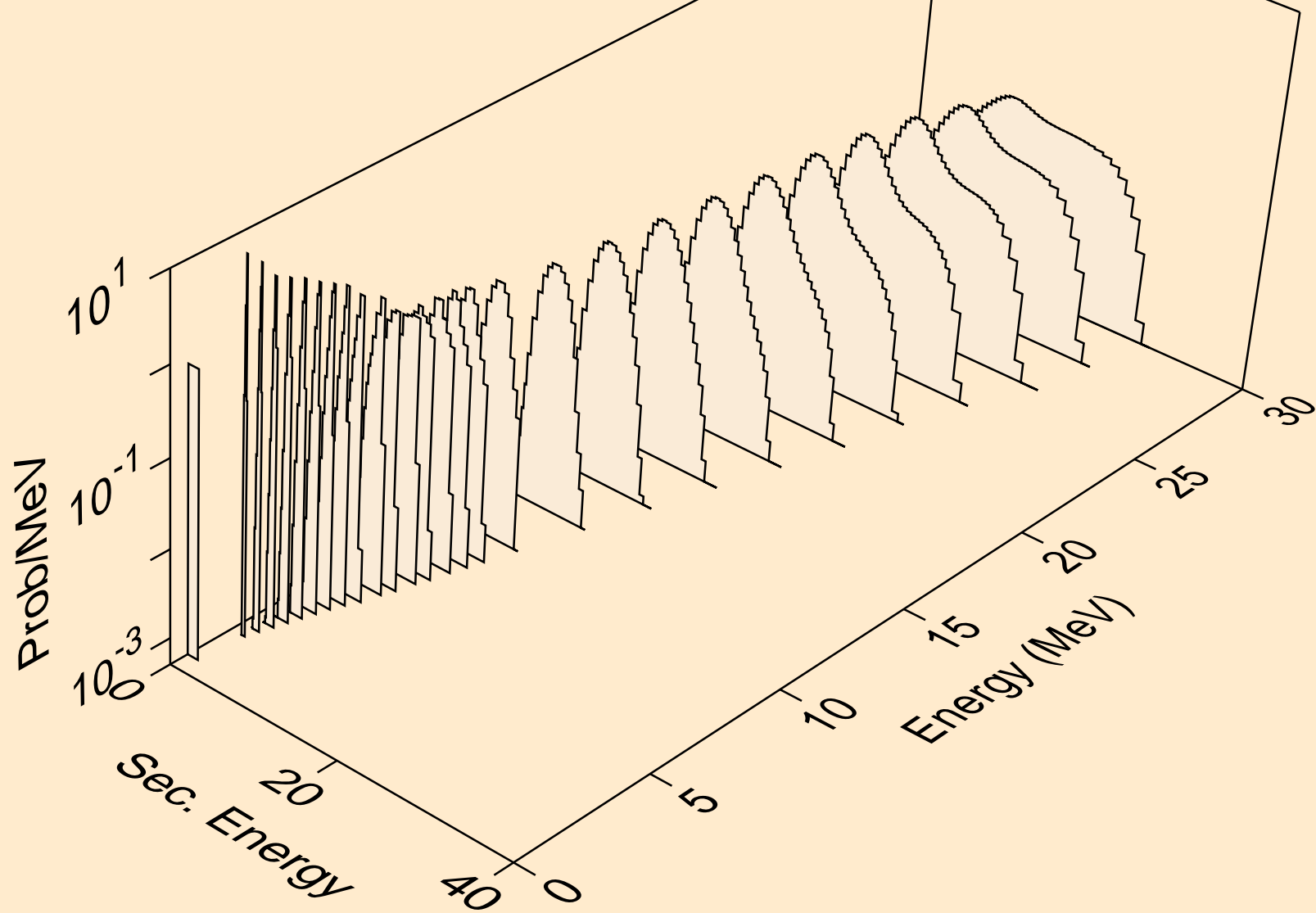
Particle production cross sections



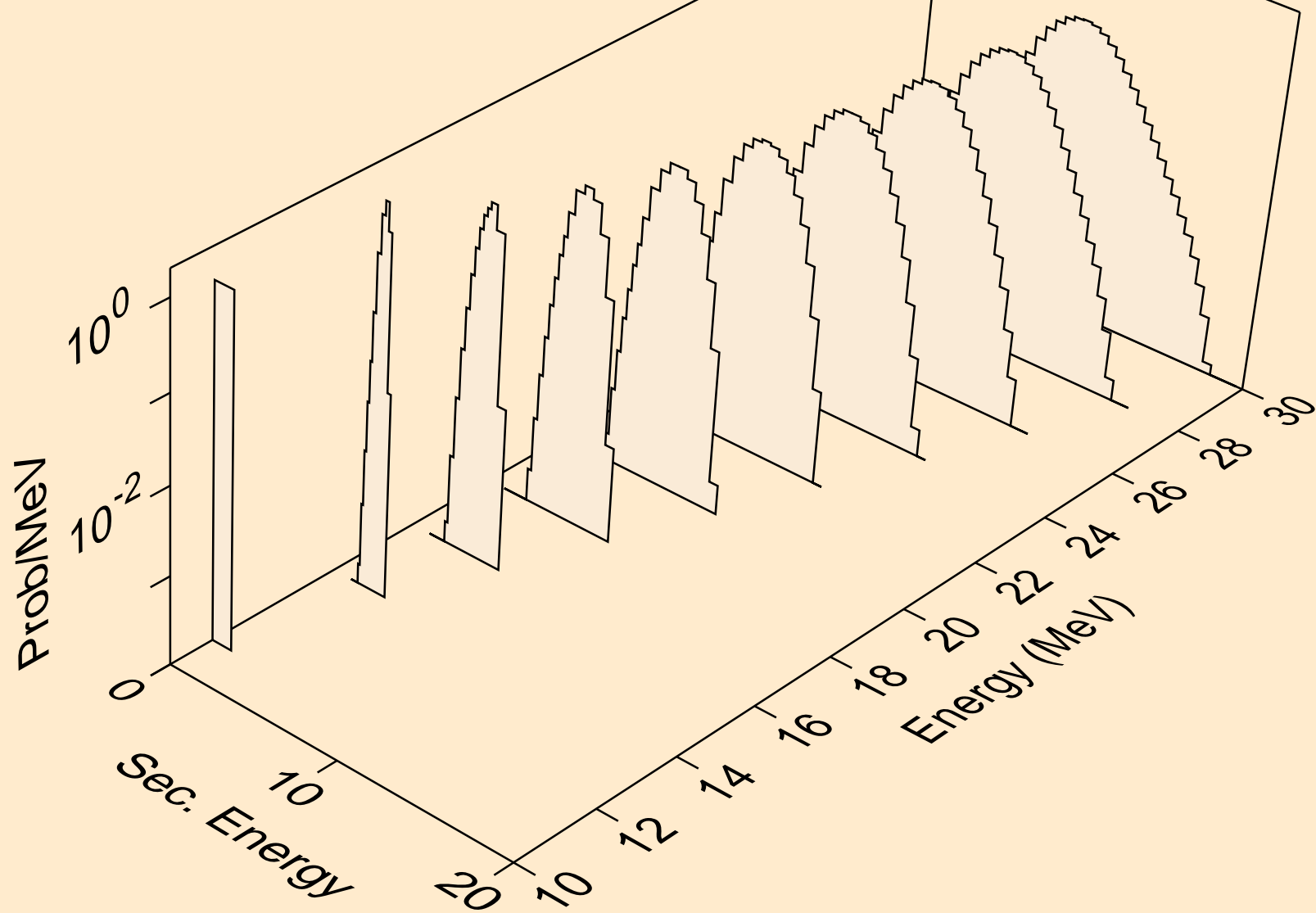
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,x)



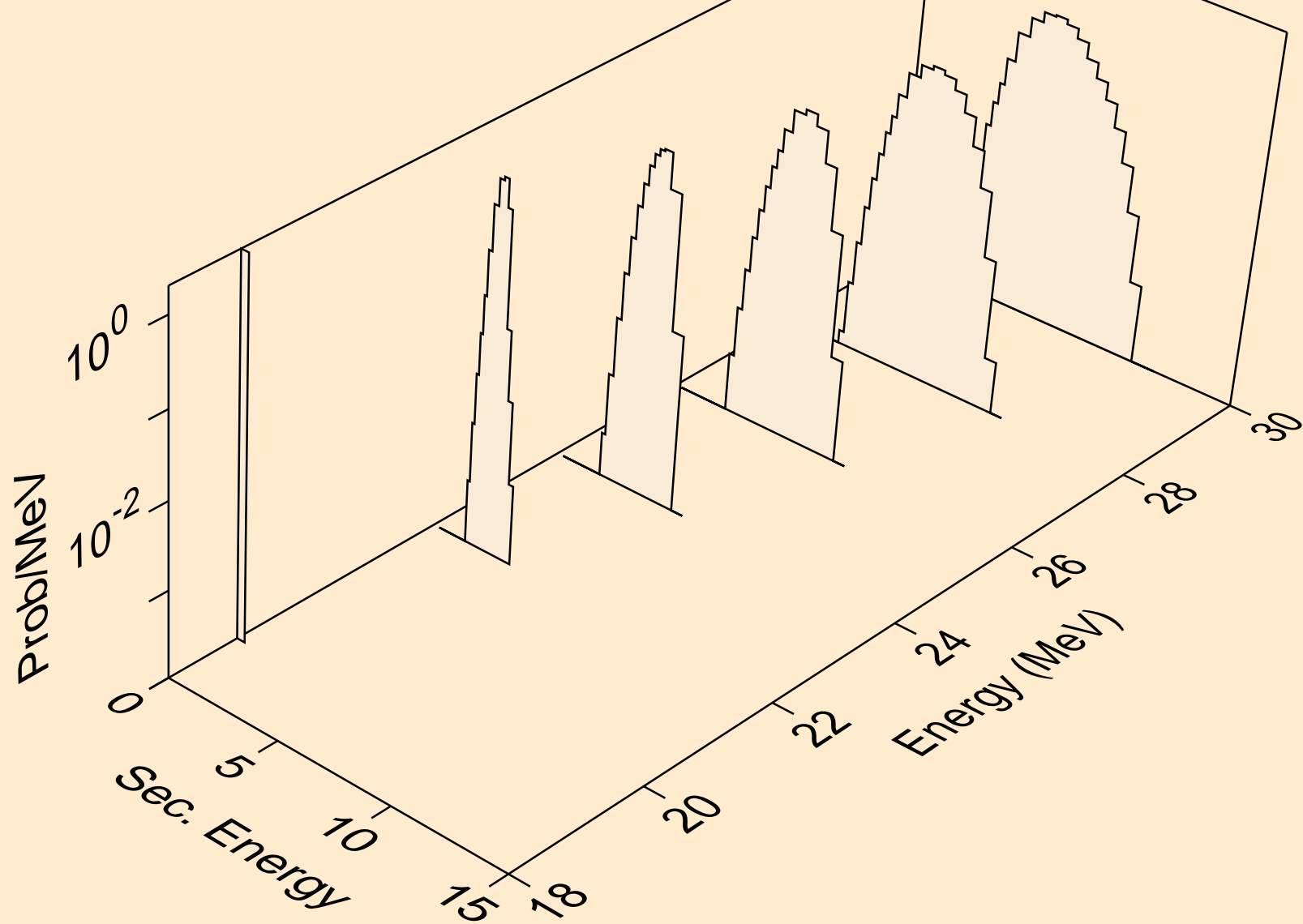
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,n*)p



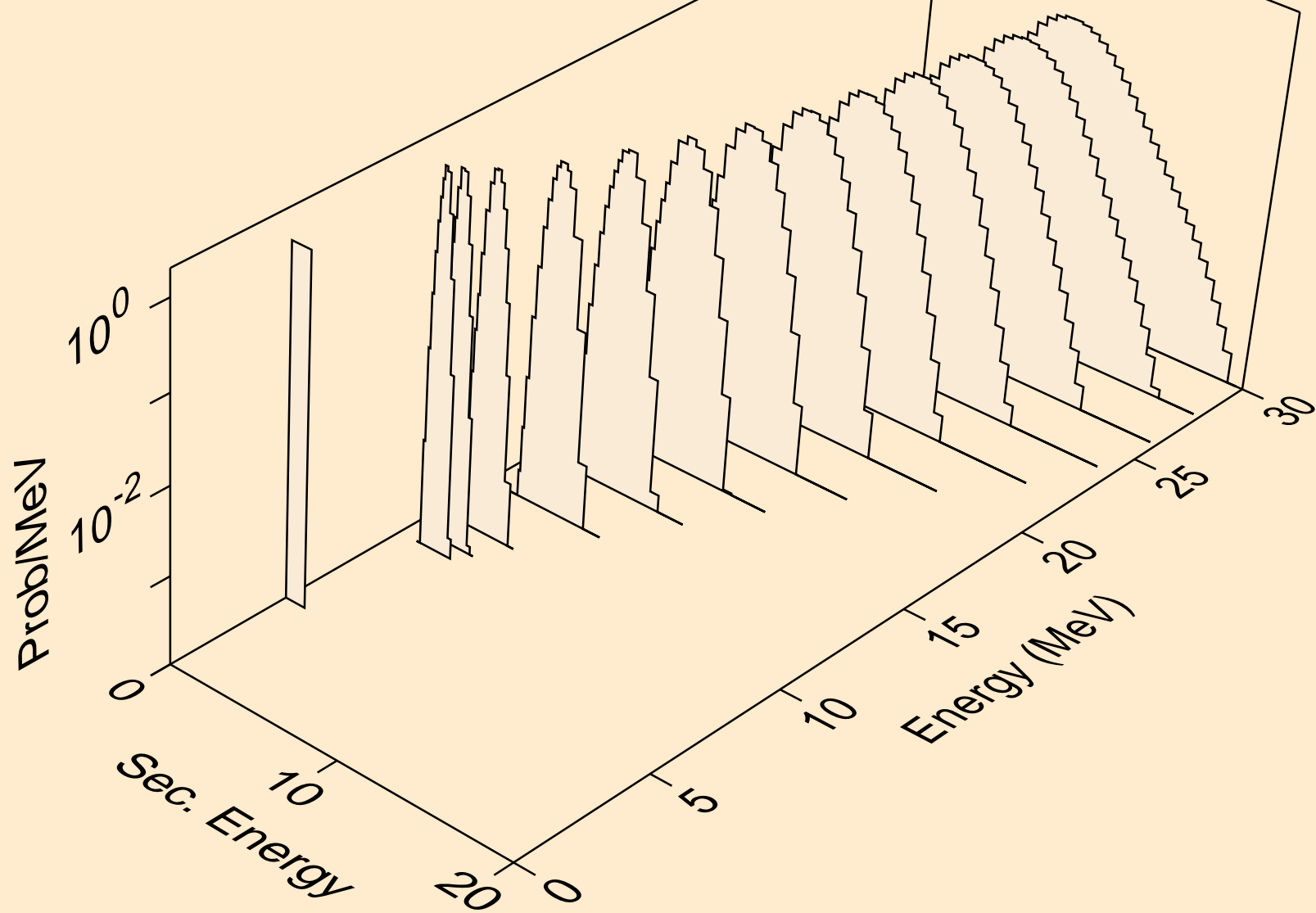
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
protons from (n,2np)



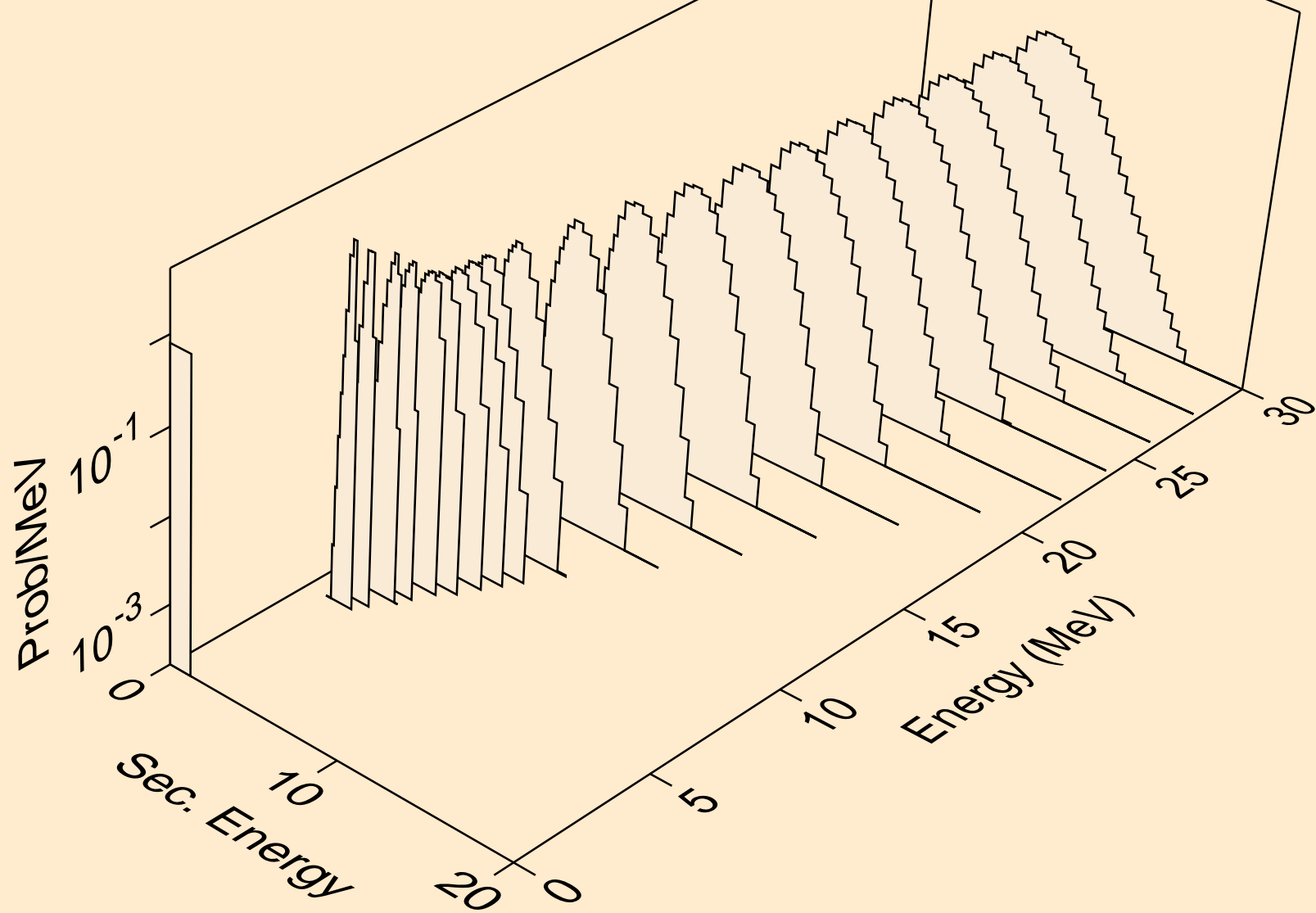
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protons from (n,3np)



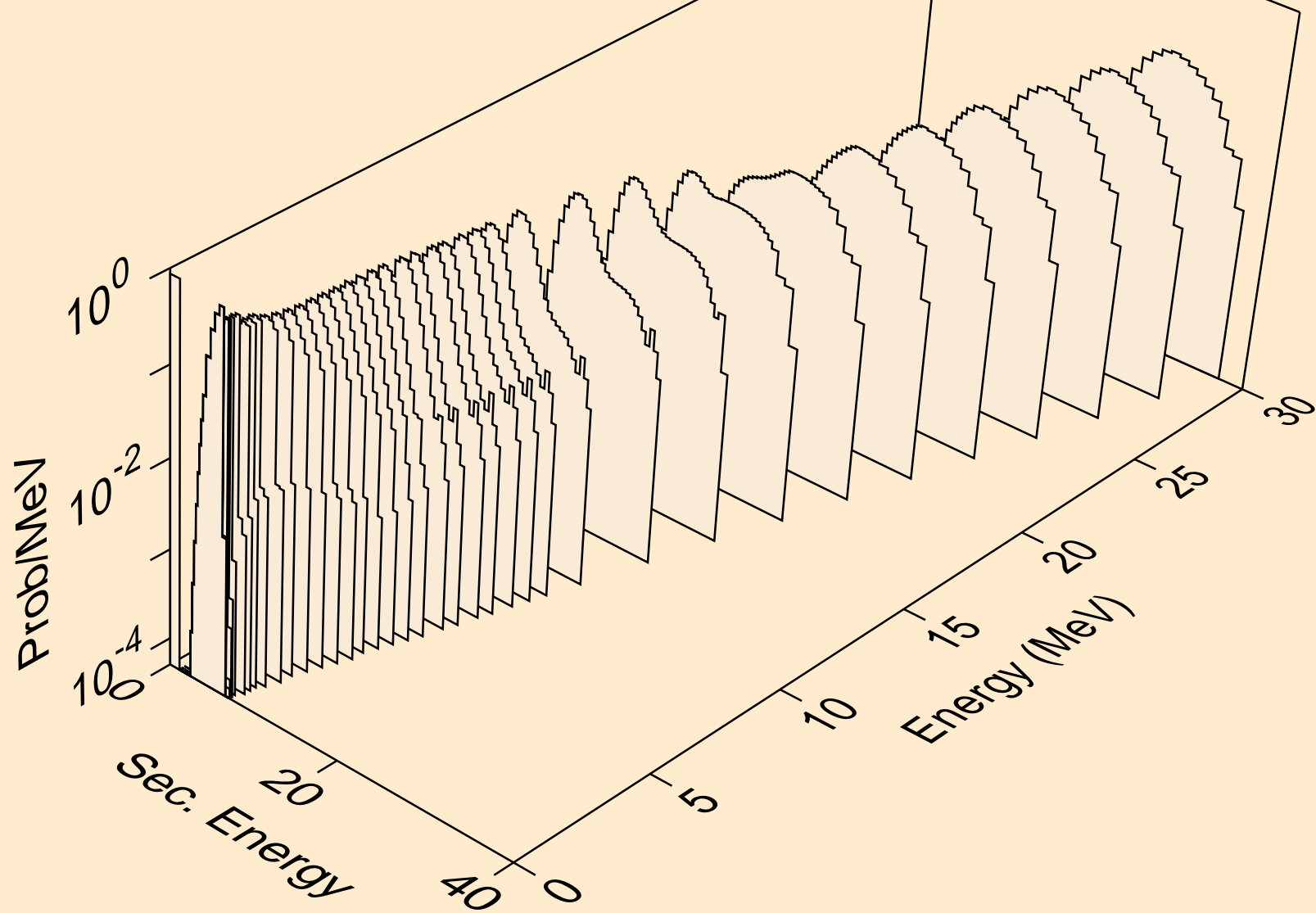
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protons from (n,n2p)



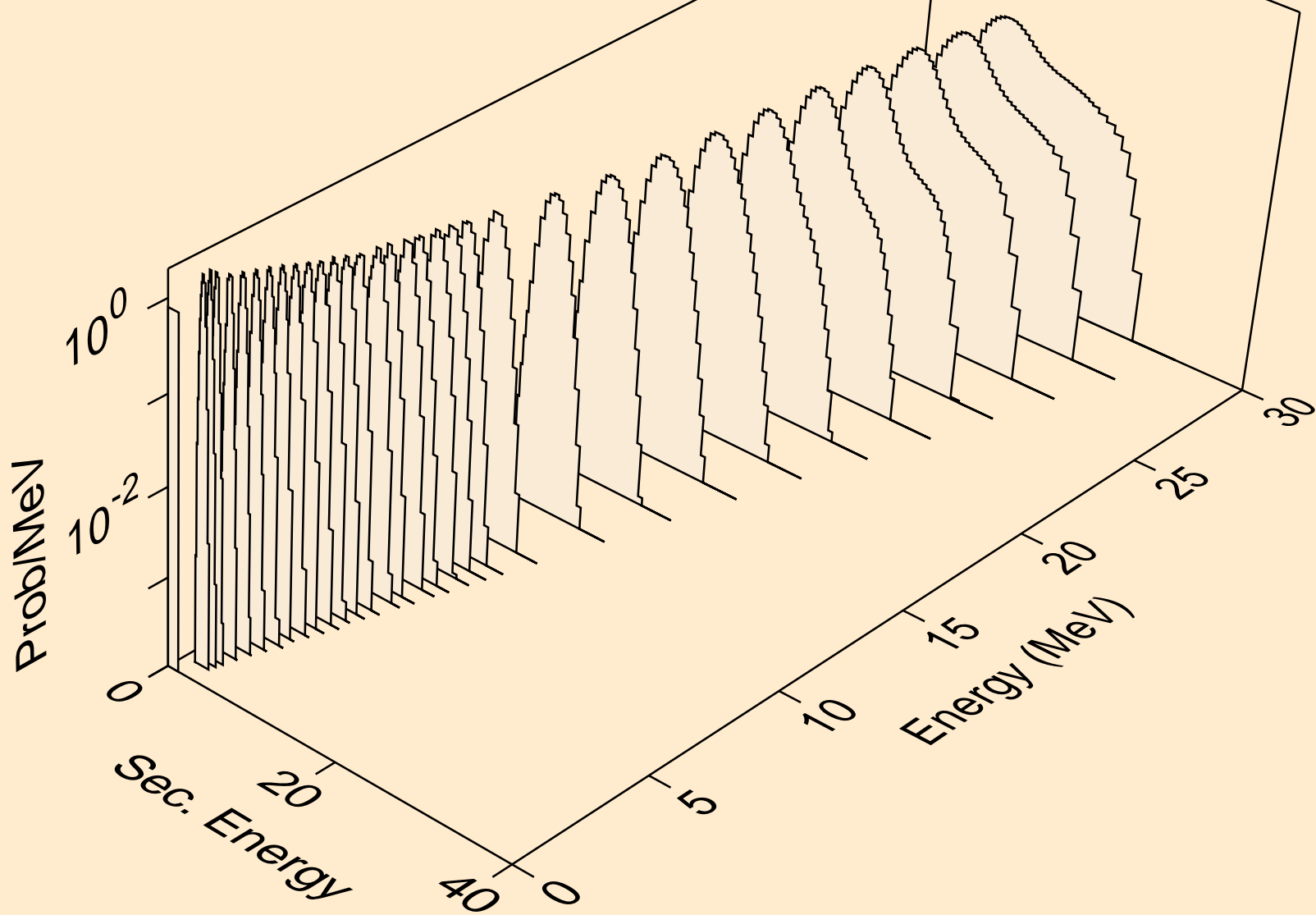
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protons from (n,npa)



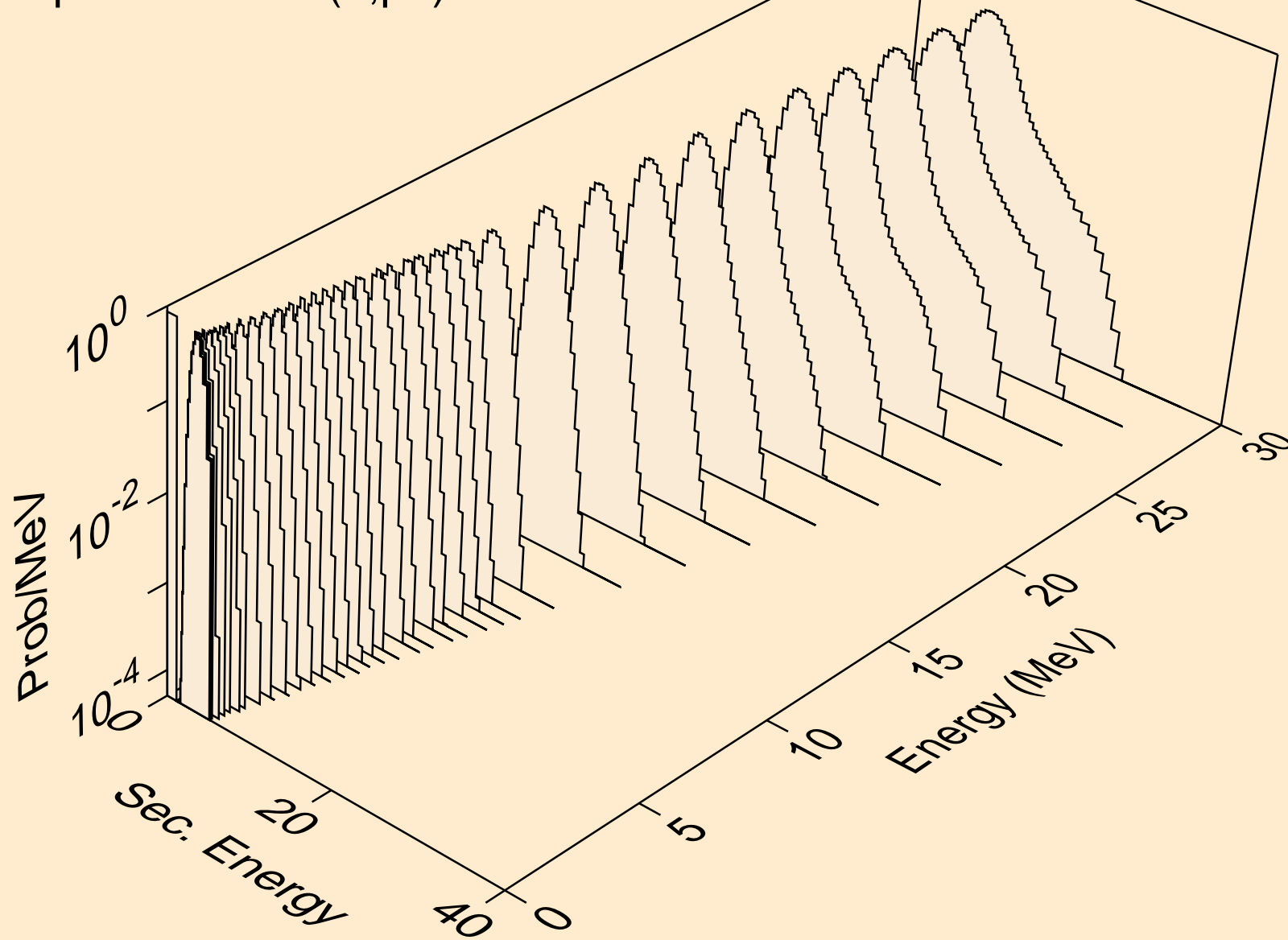
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protons from (n,p)



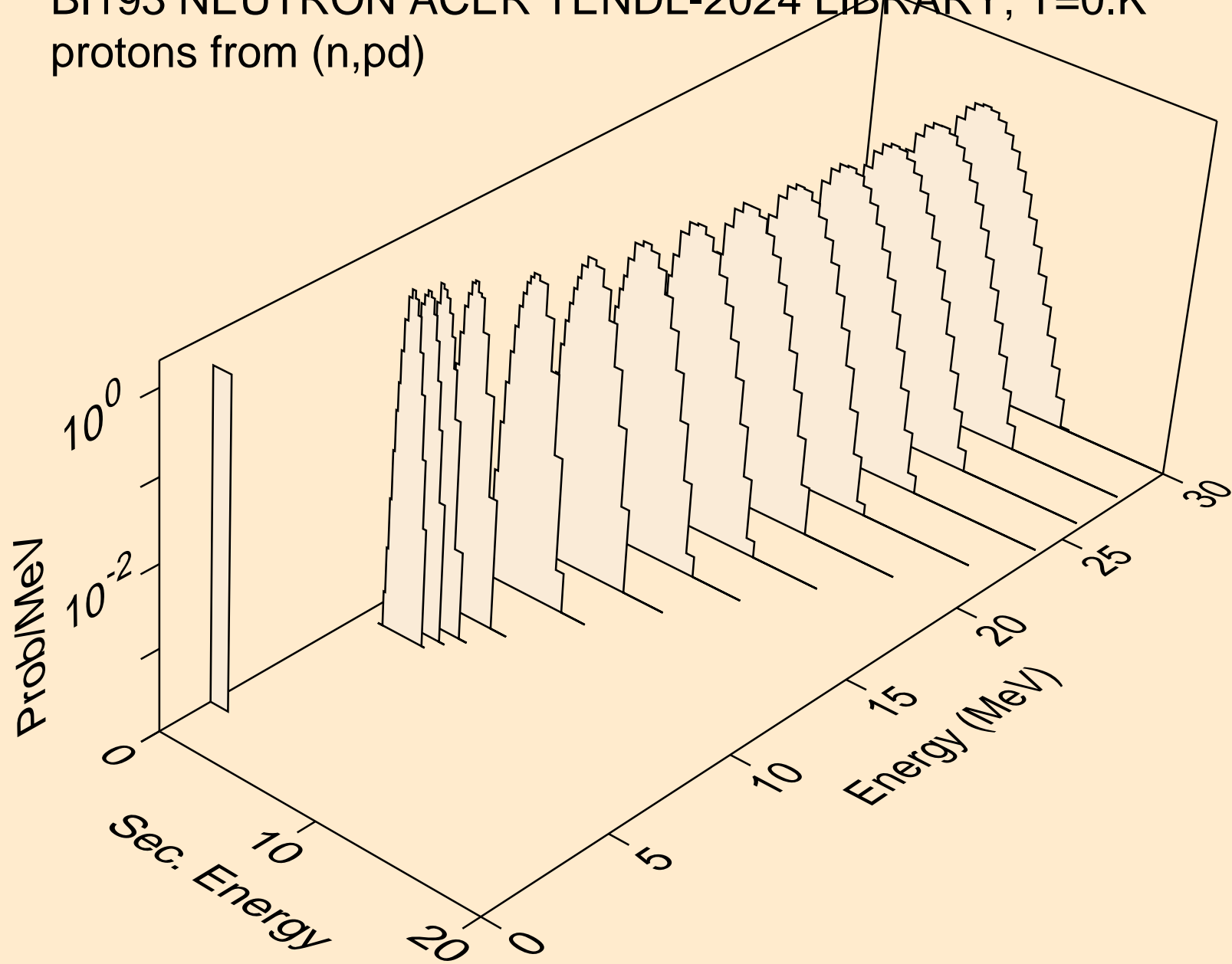
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protons from (n,2p)



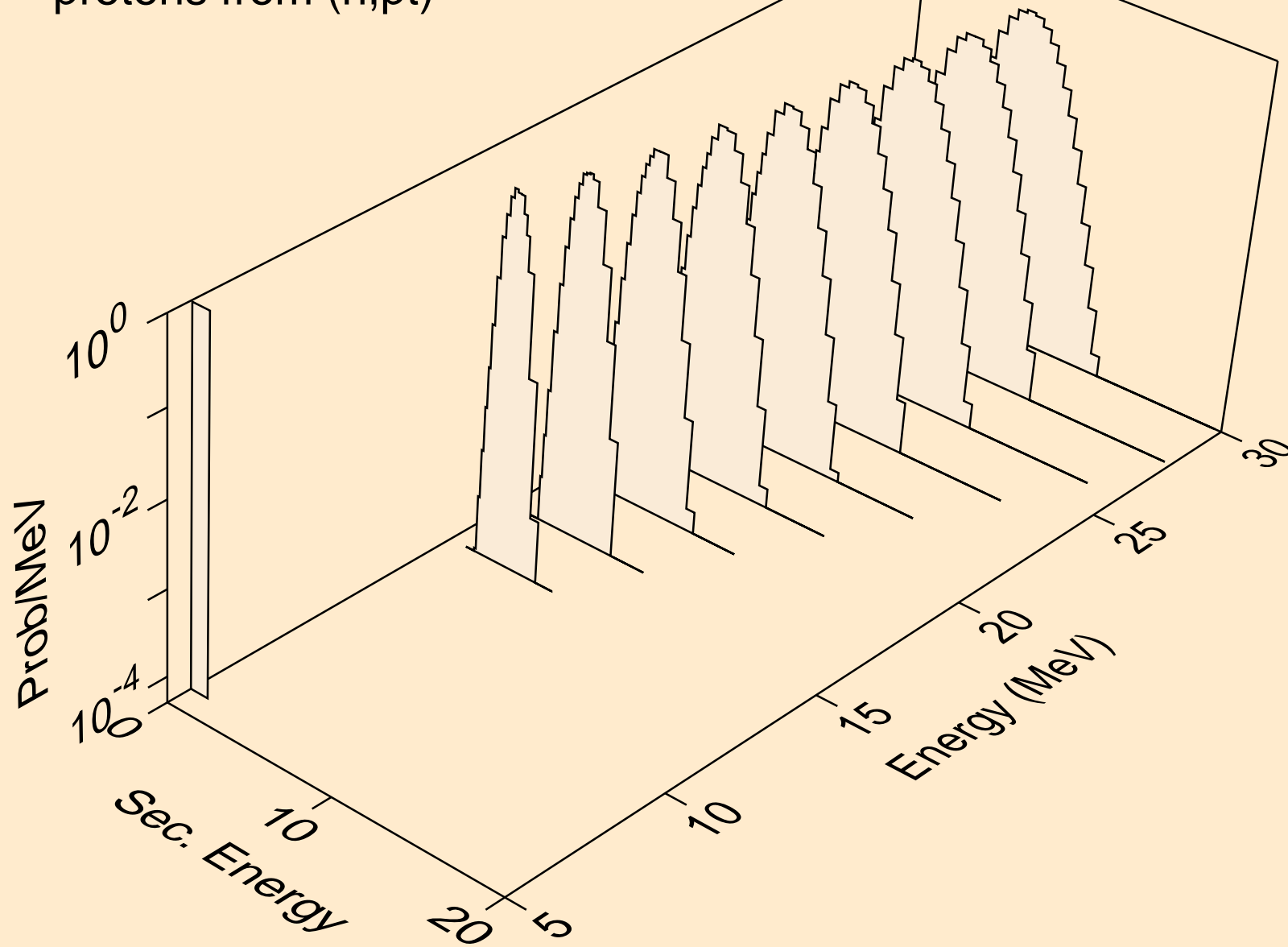
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protons from (n,p)



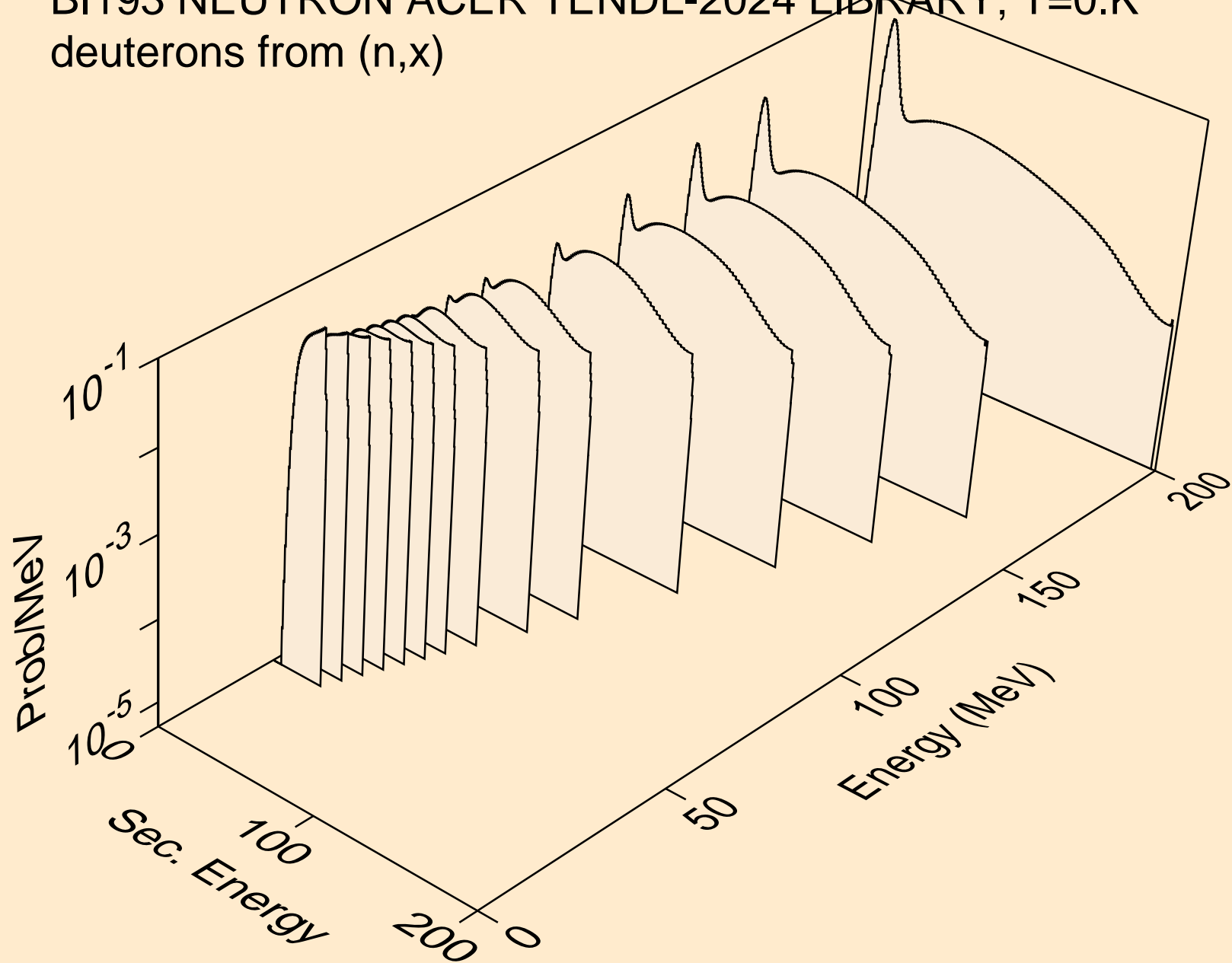
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protons from (n,pd)



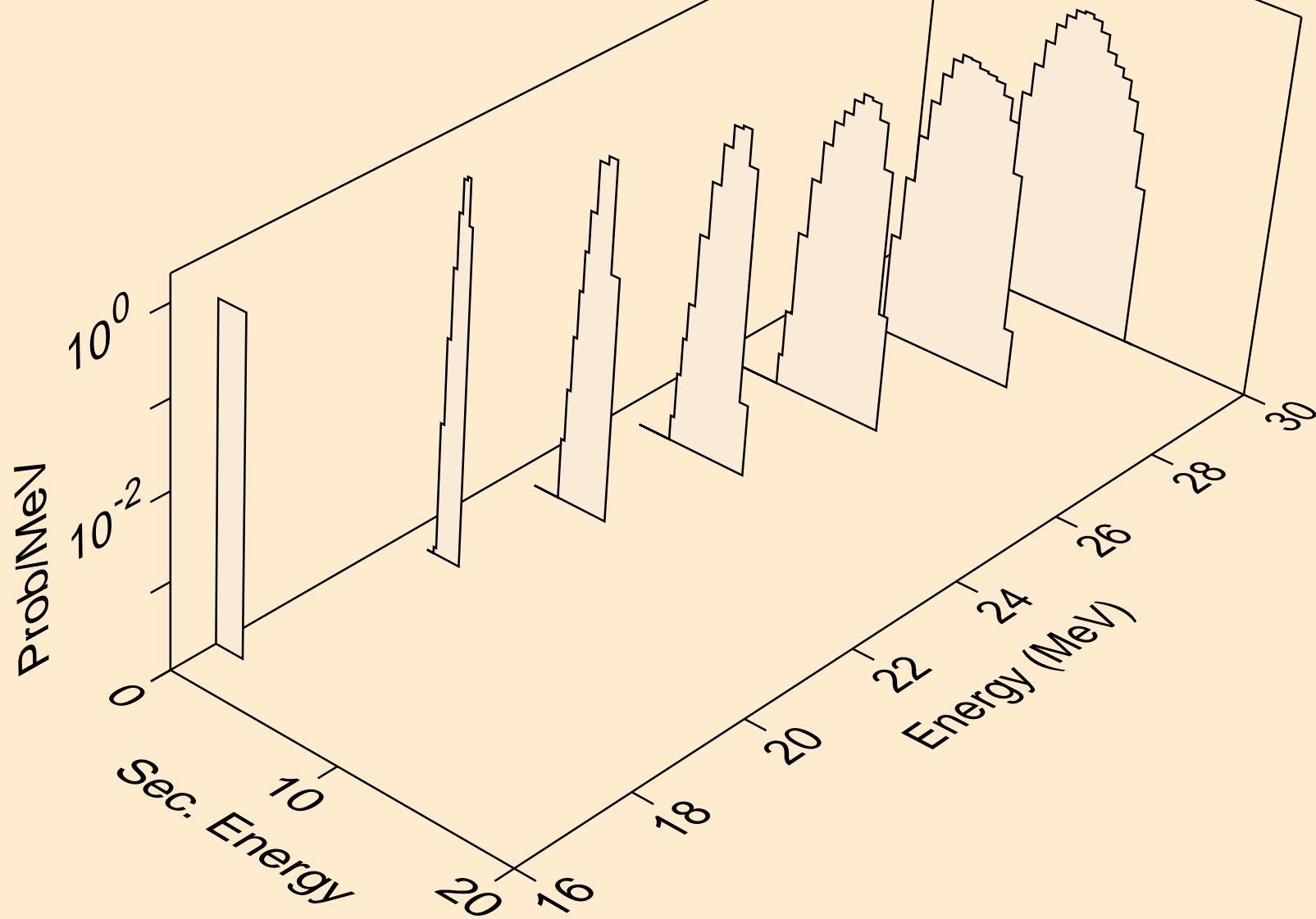
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protons from (n,pt)



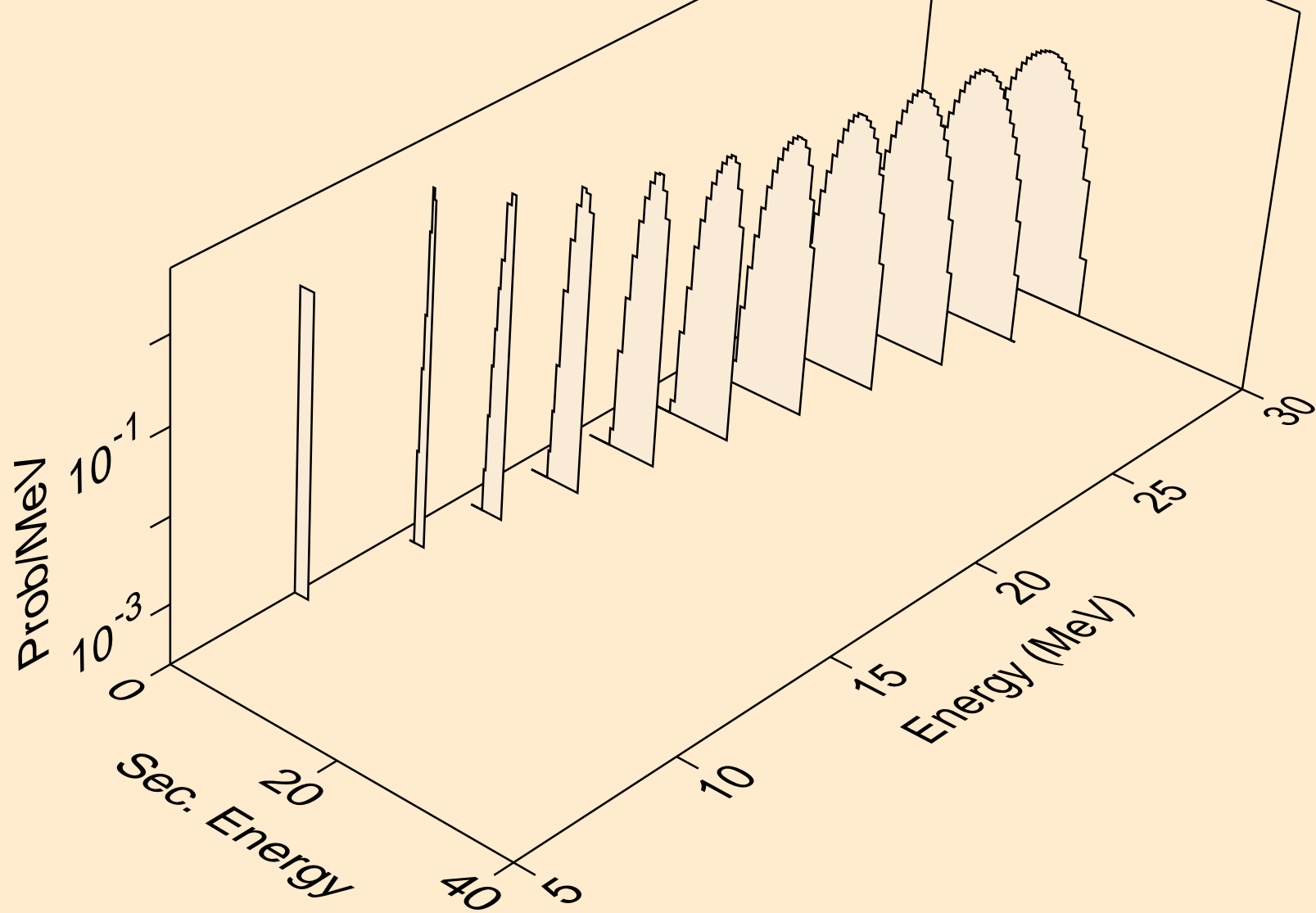
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deuterons from (n,x)



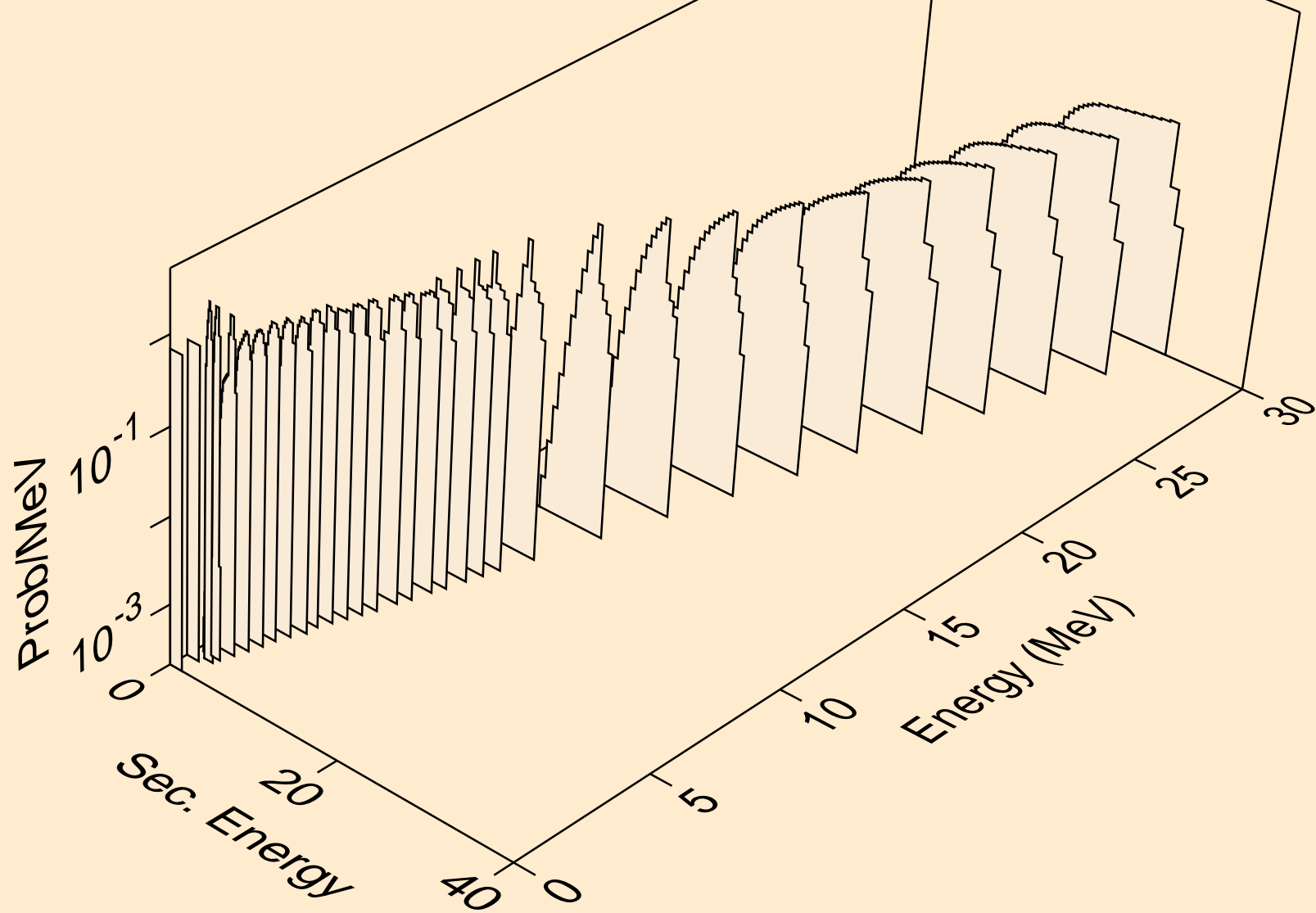
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deuterons from (n,2nd)



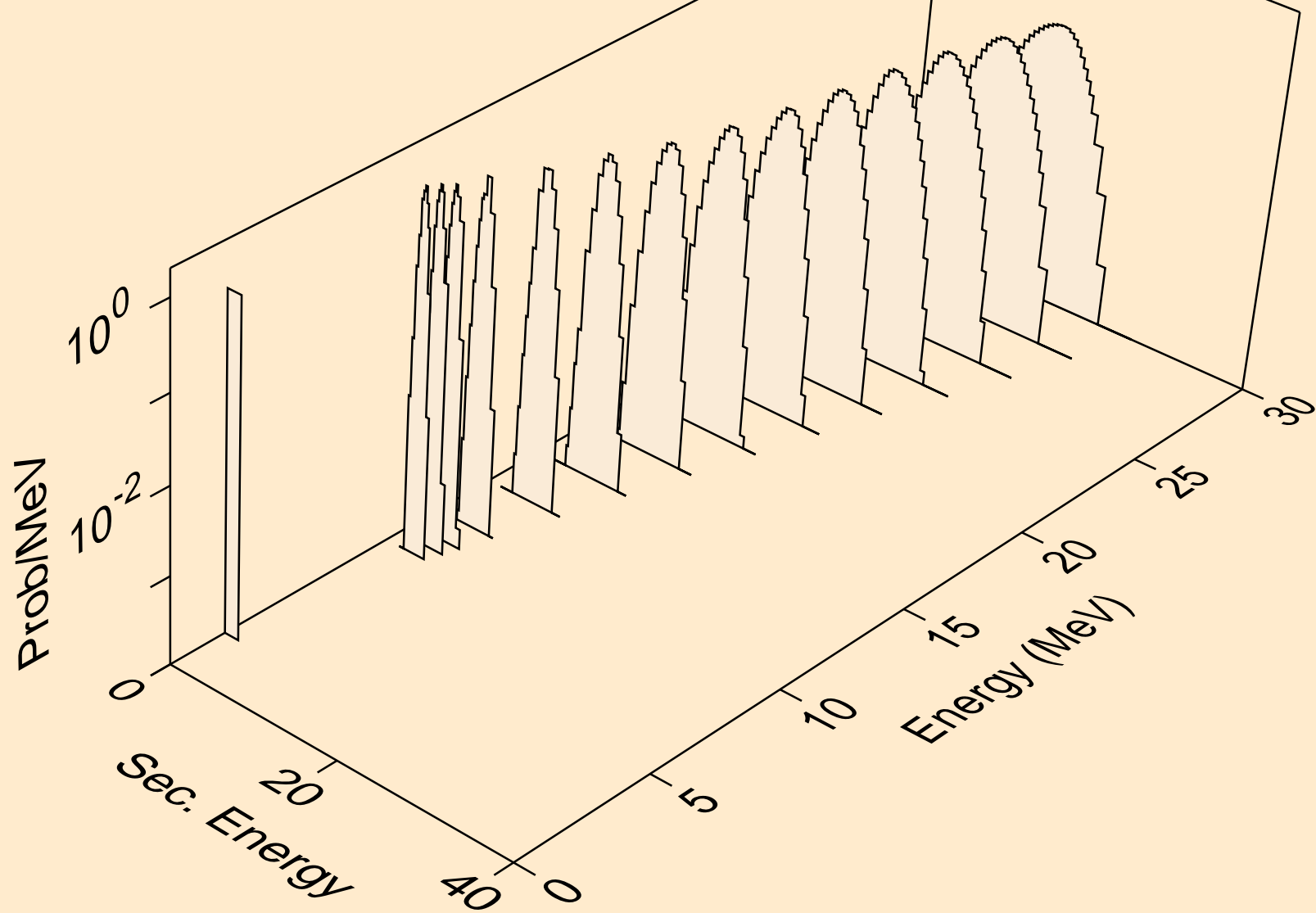
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (n,n*)d



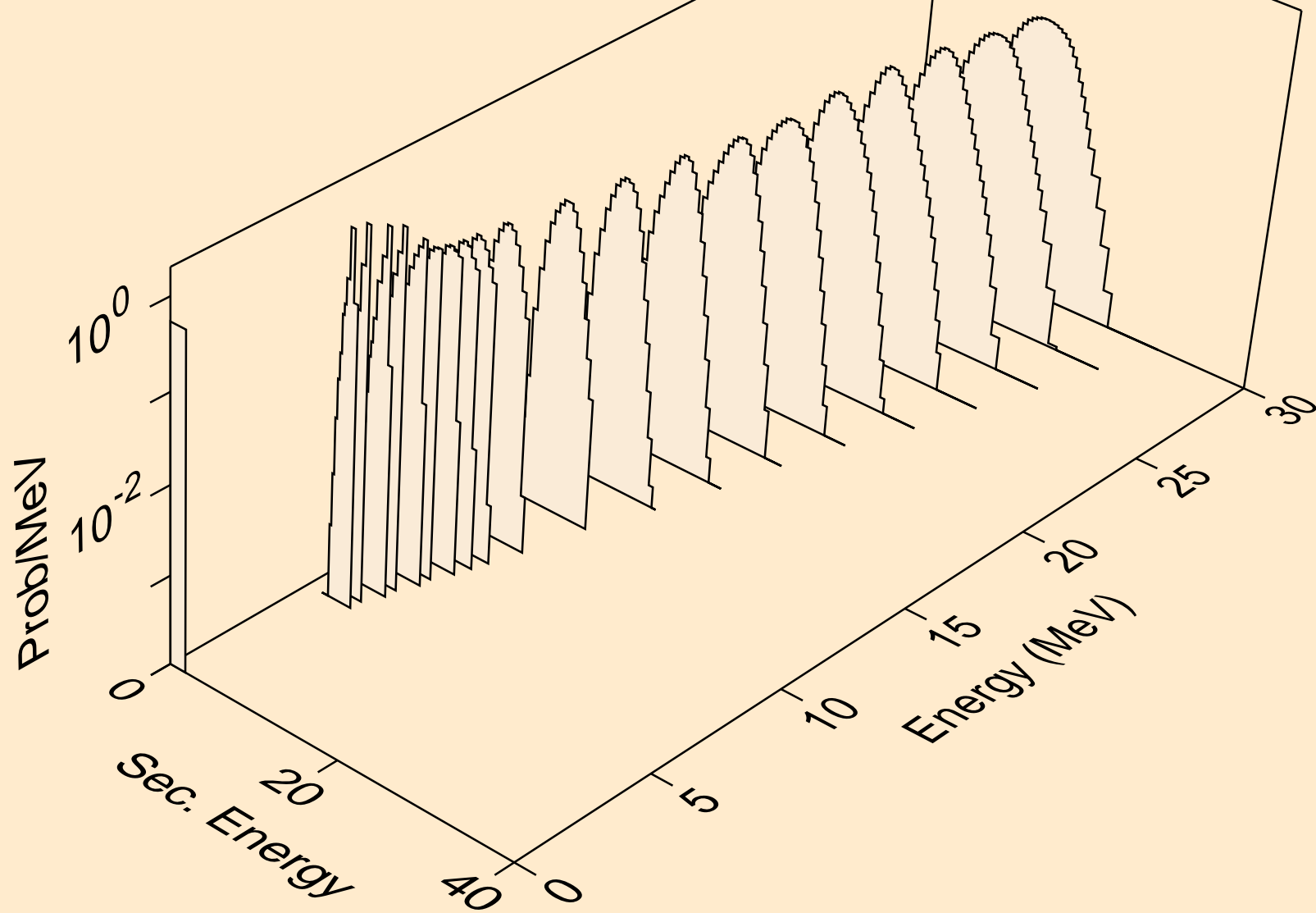
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deuterons from (n,d)



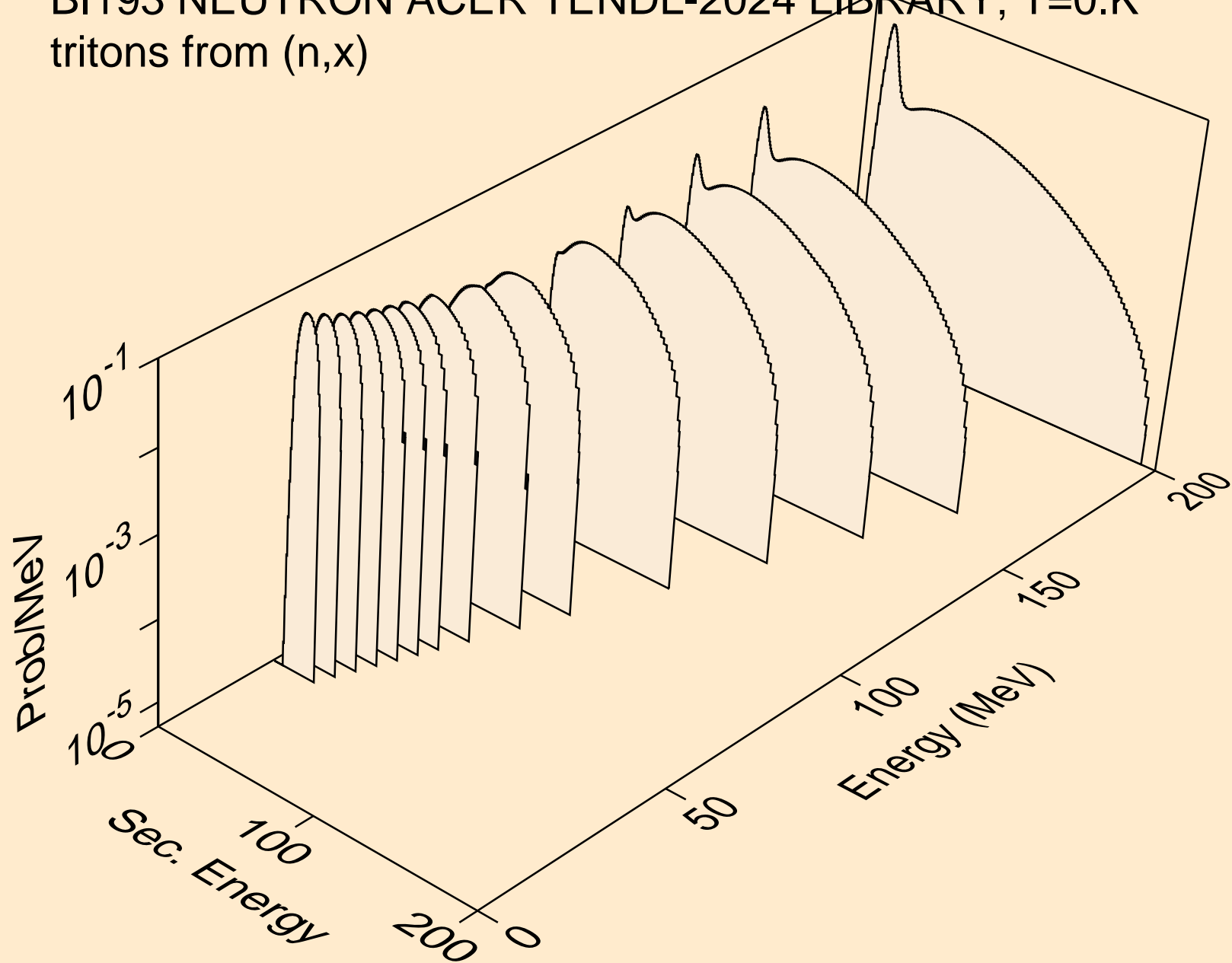
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deuterons from (n,pd)



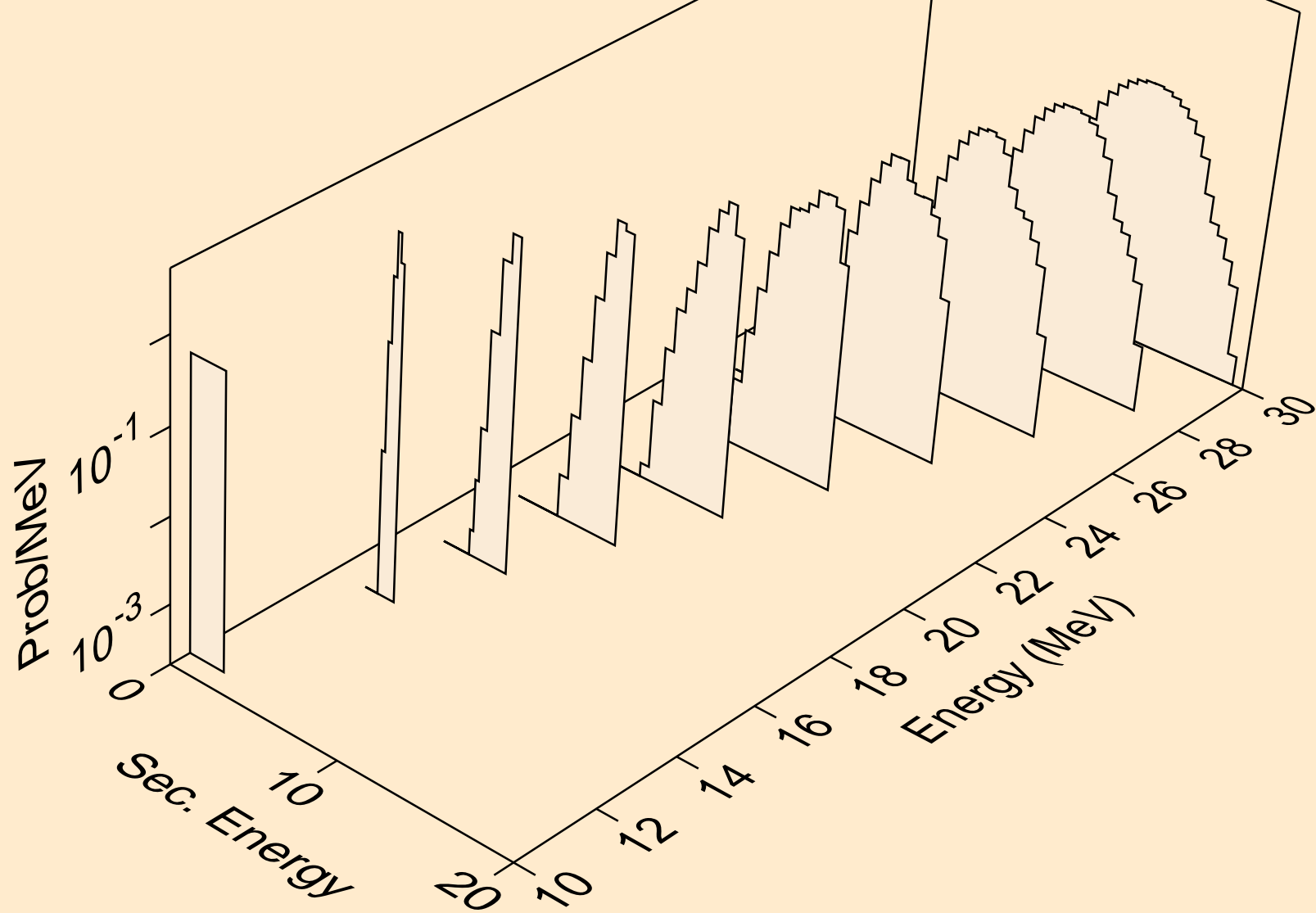
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deuterons from (n,da)



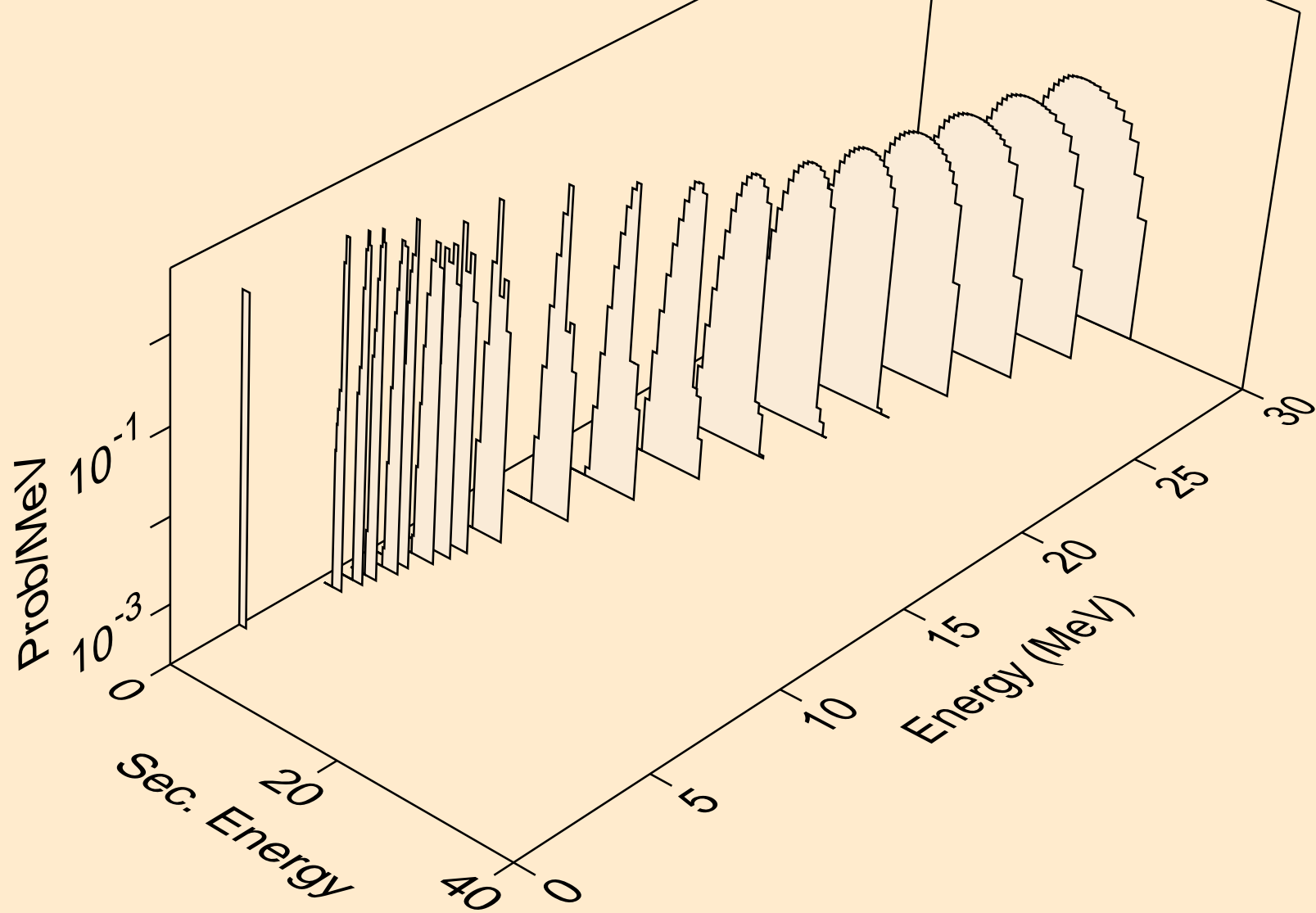
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tritons from (n,x)



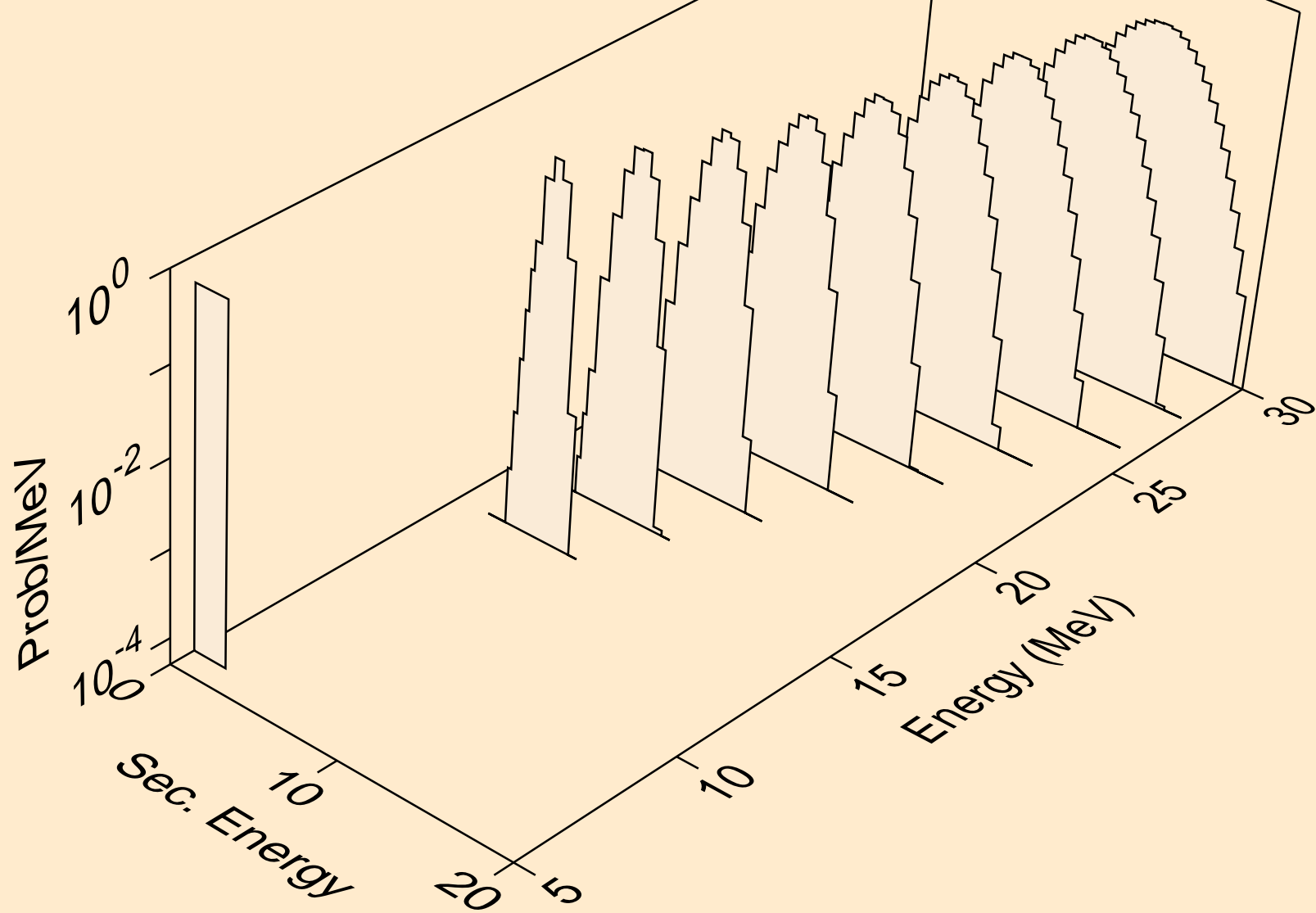
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
tritons from (n,n*)t



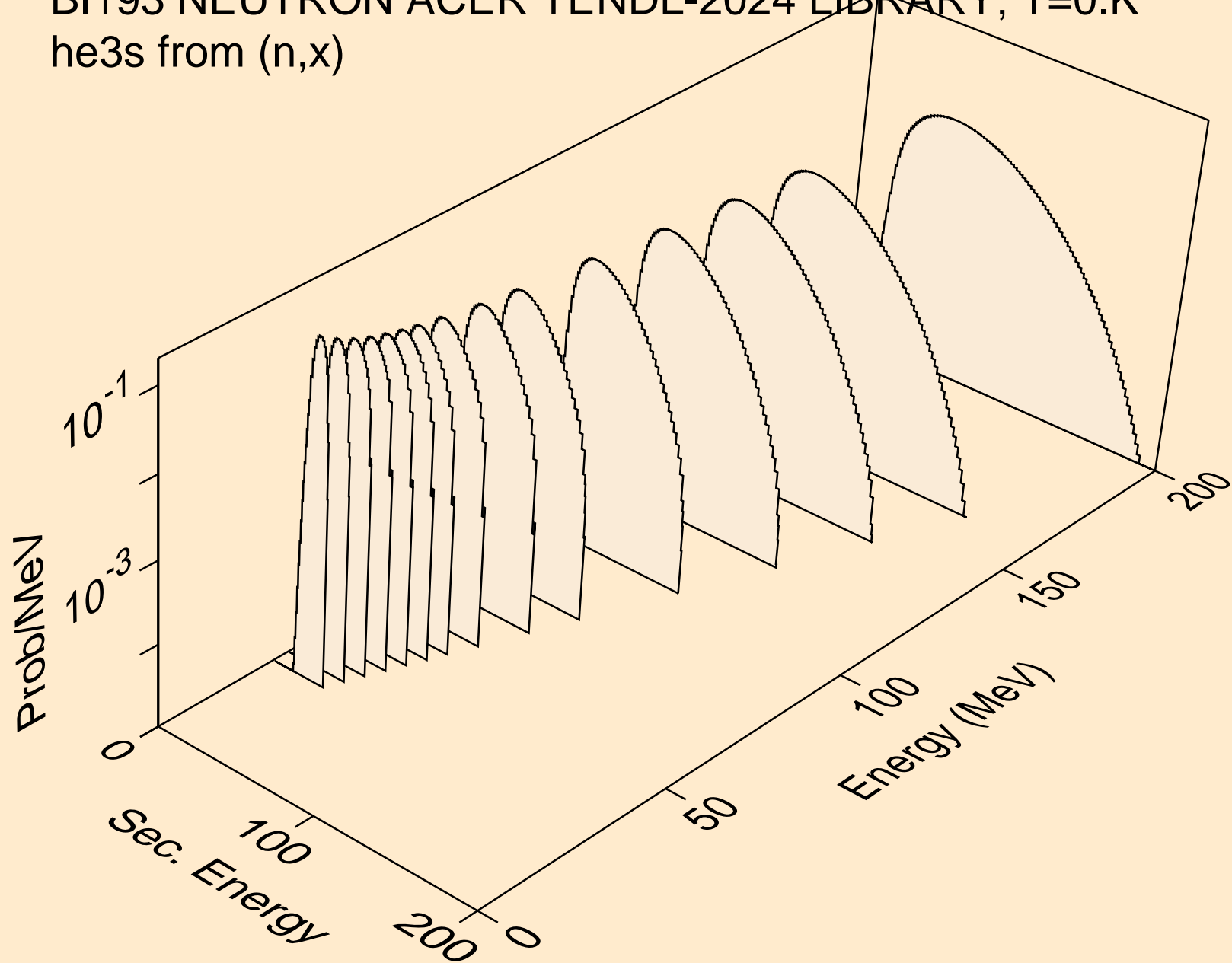
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tritons from (n,t)



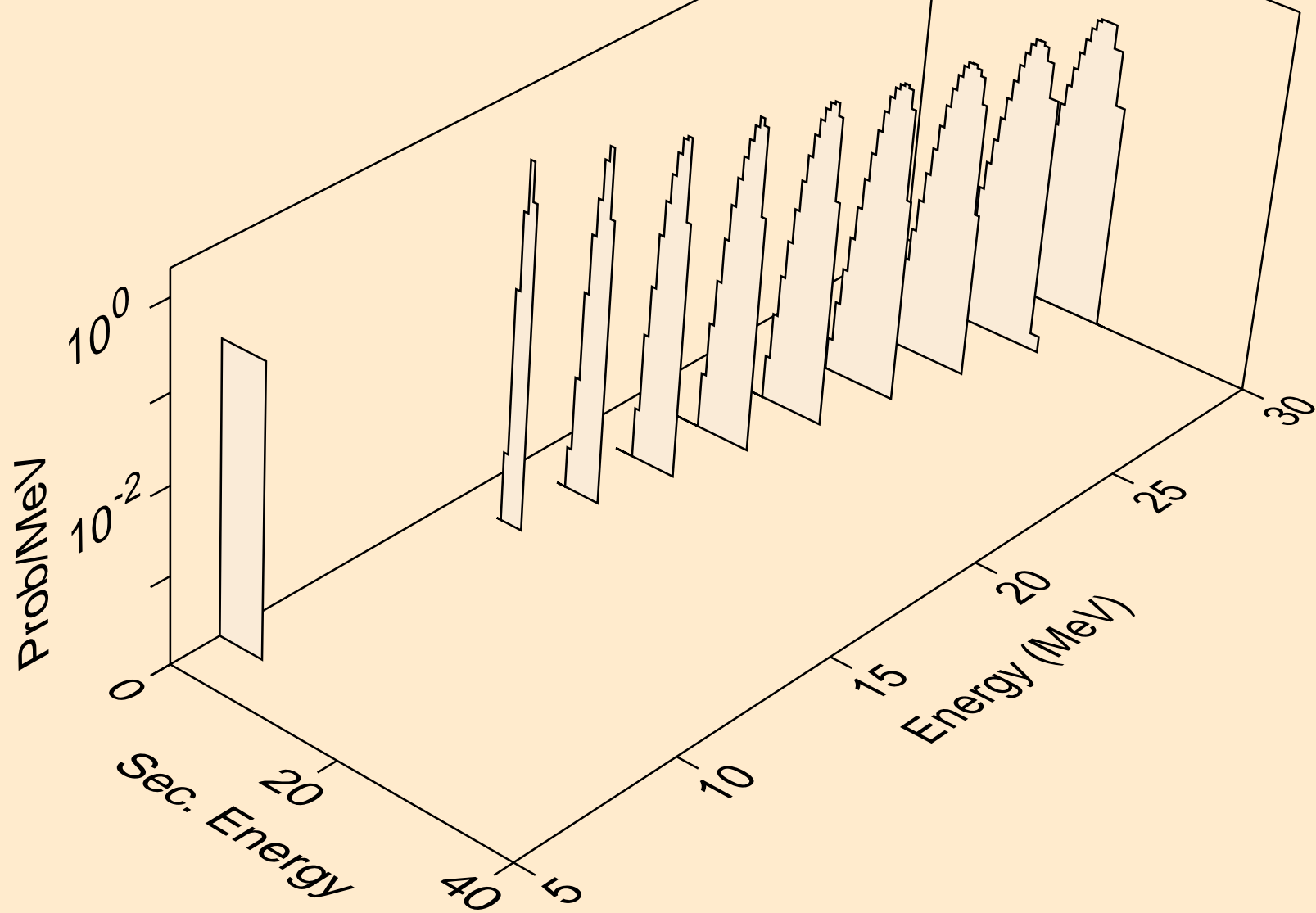
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tritons from (n,pt)



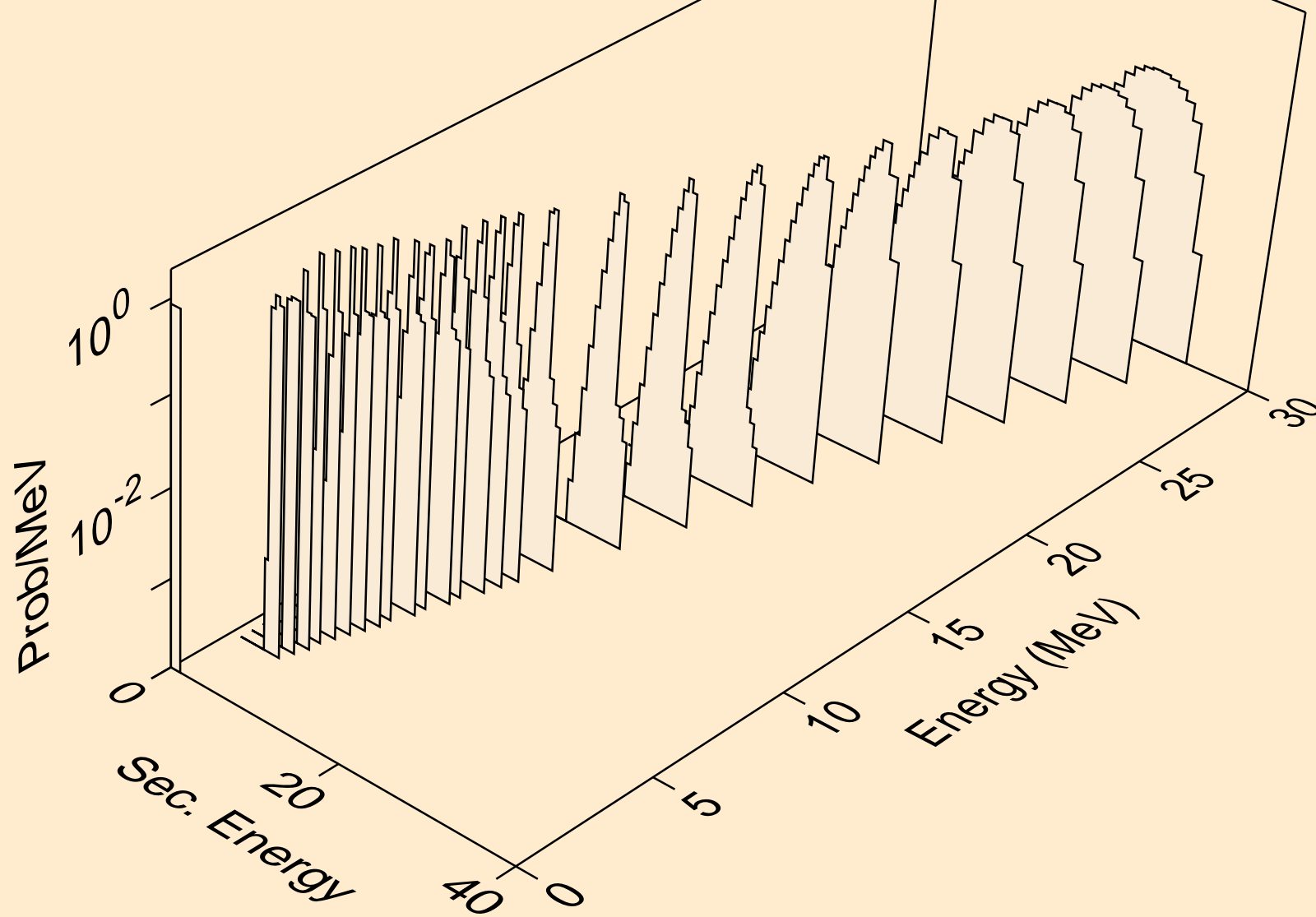
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he3s from (n,x)



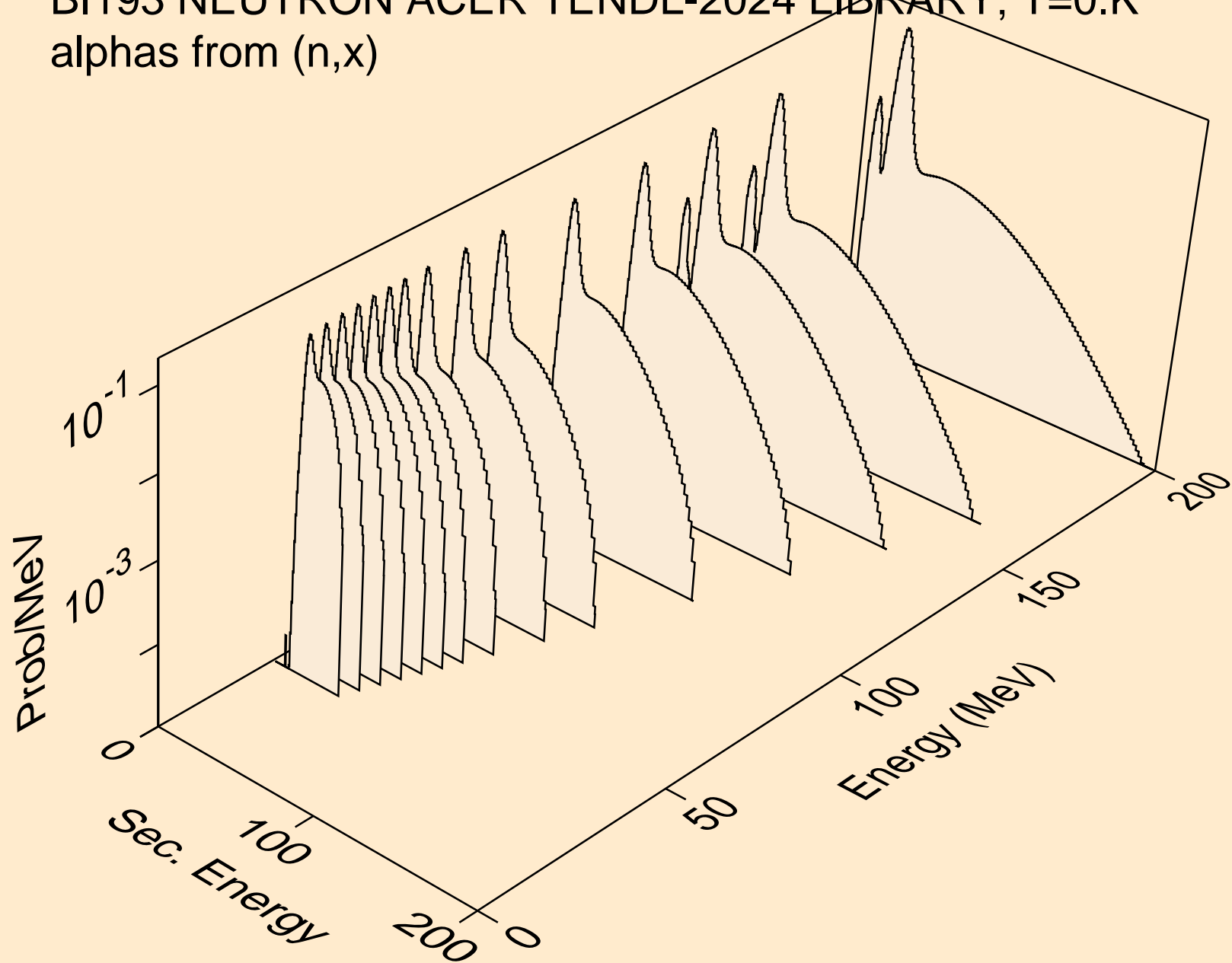
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he3s from (n,n*)he3



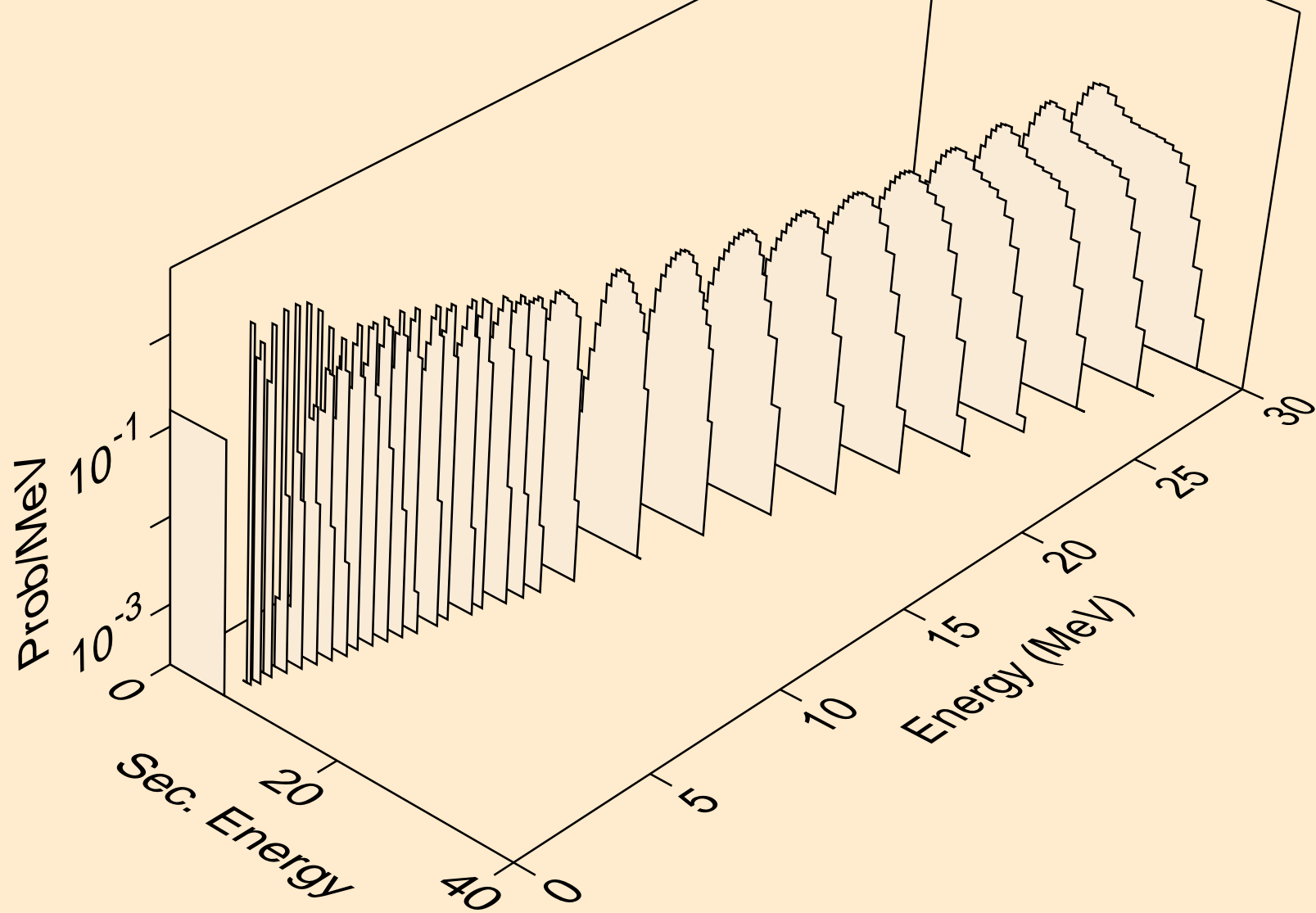
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he3s from (n,he3)



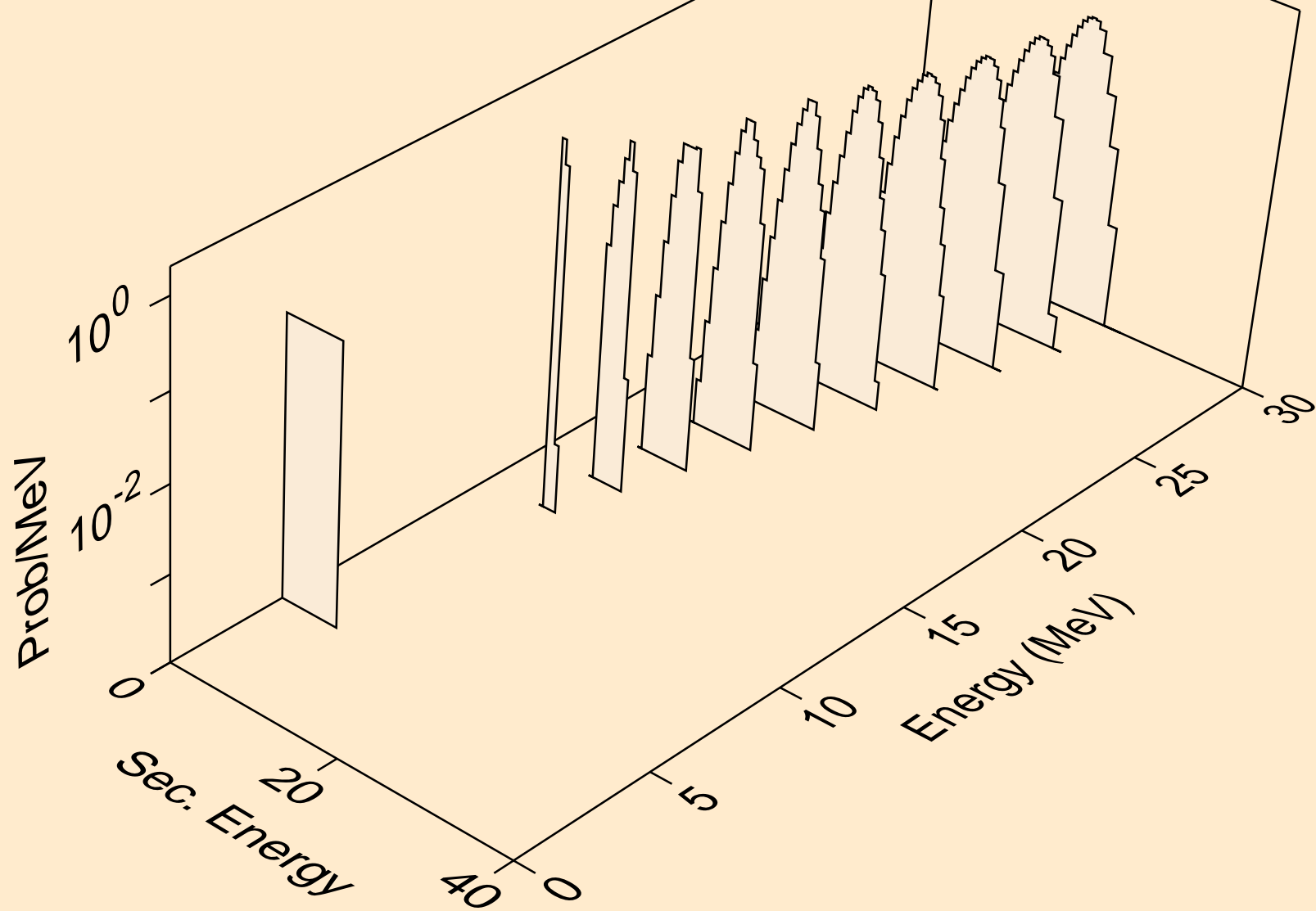
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,x)



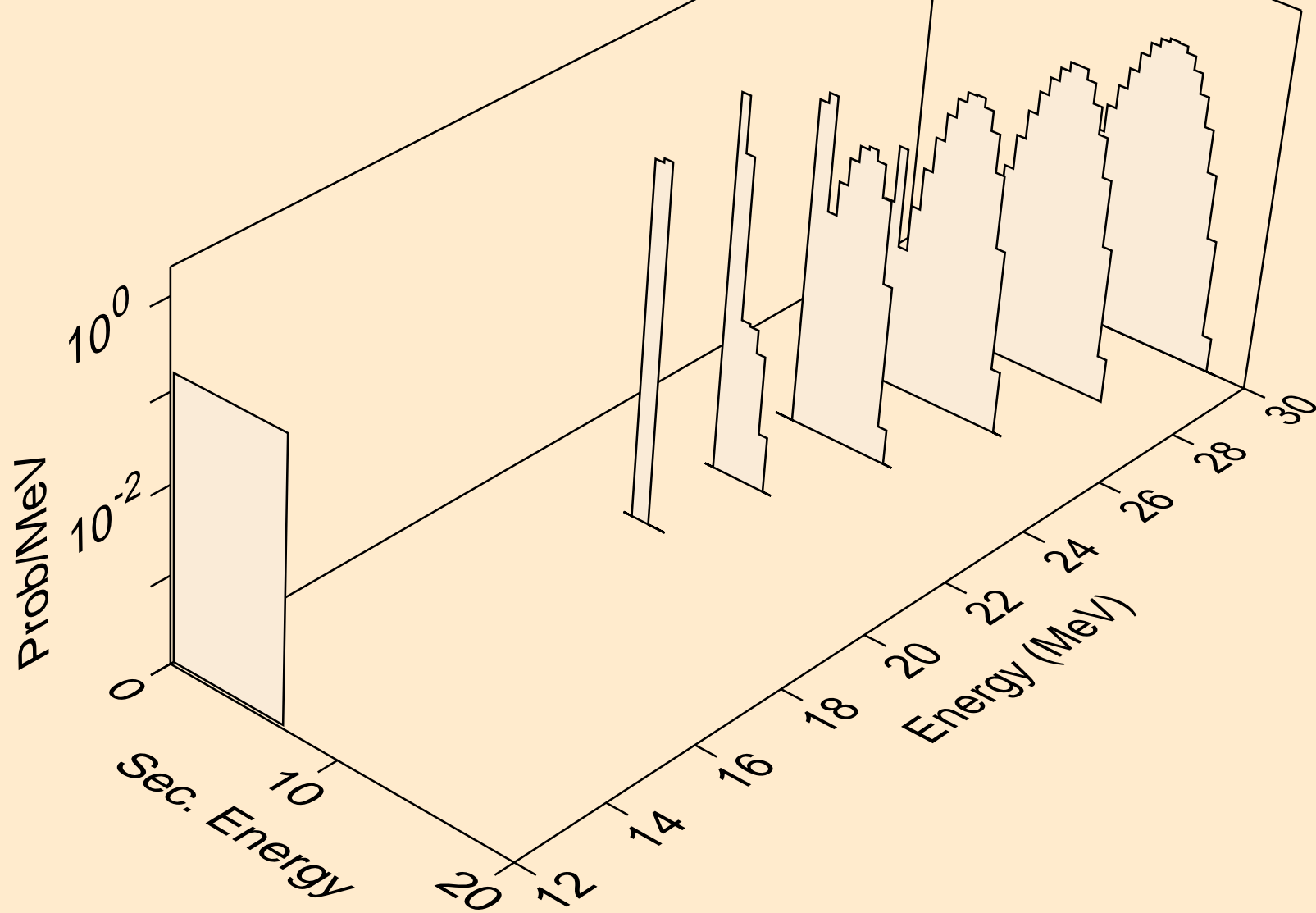
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)a



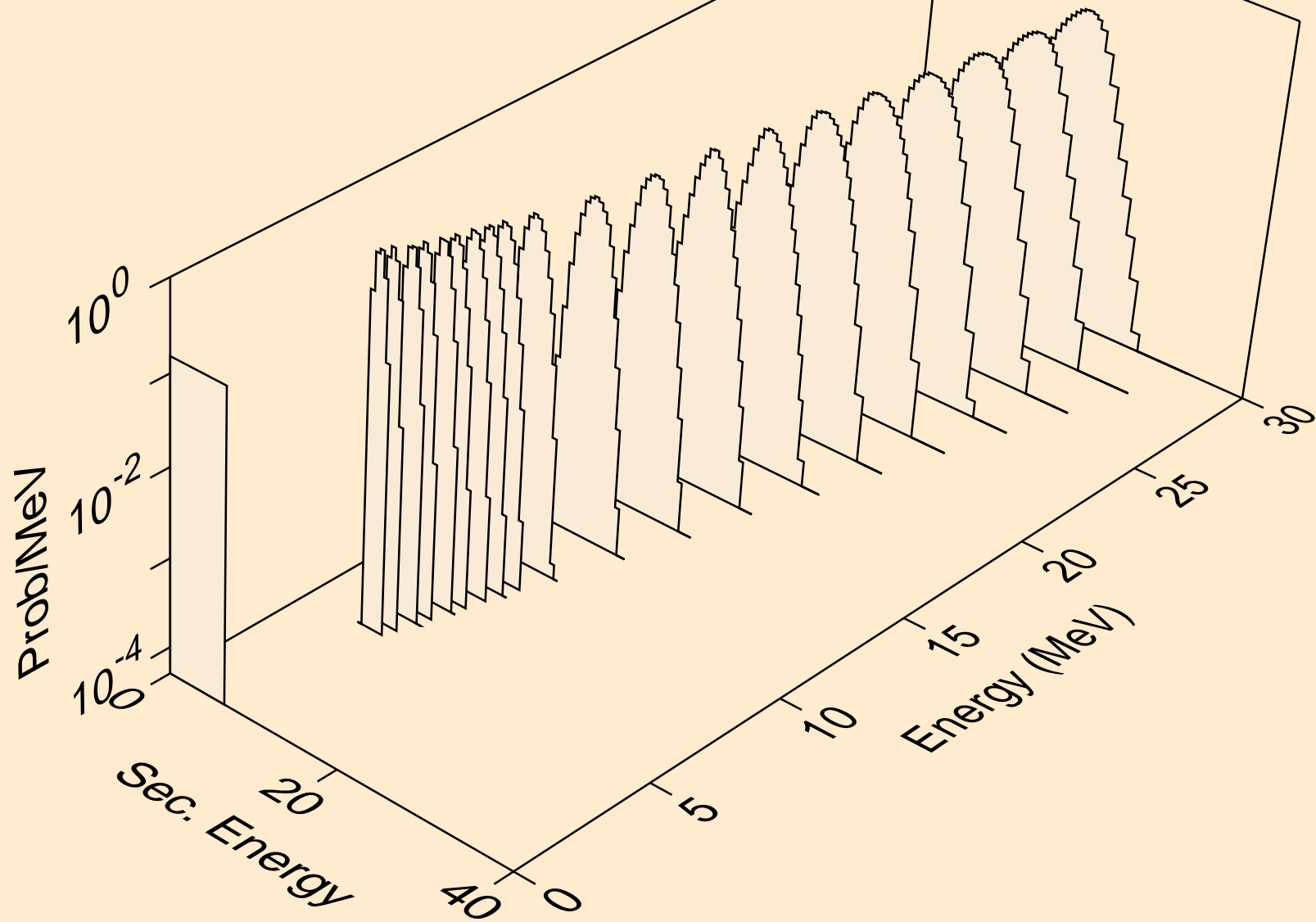
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2n)a



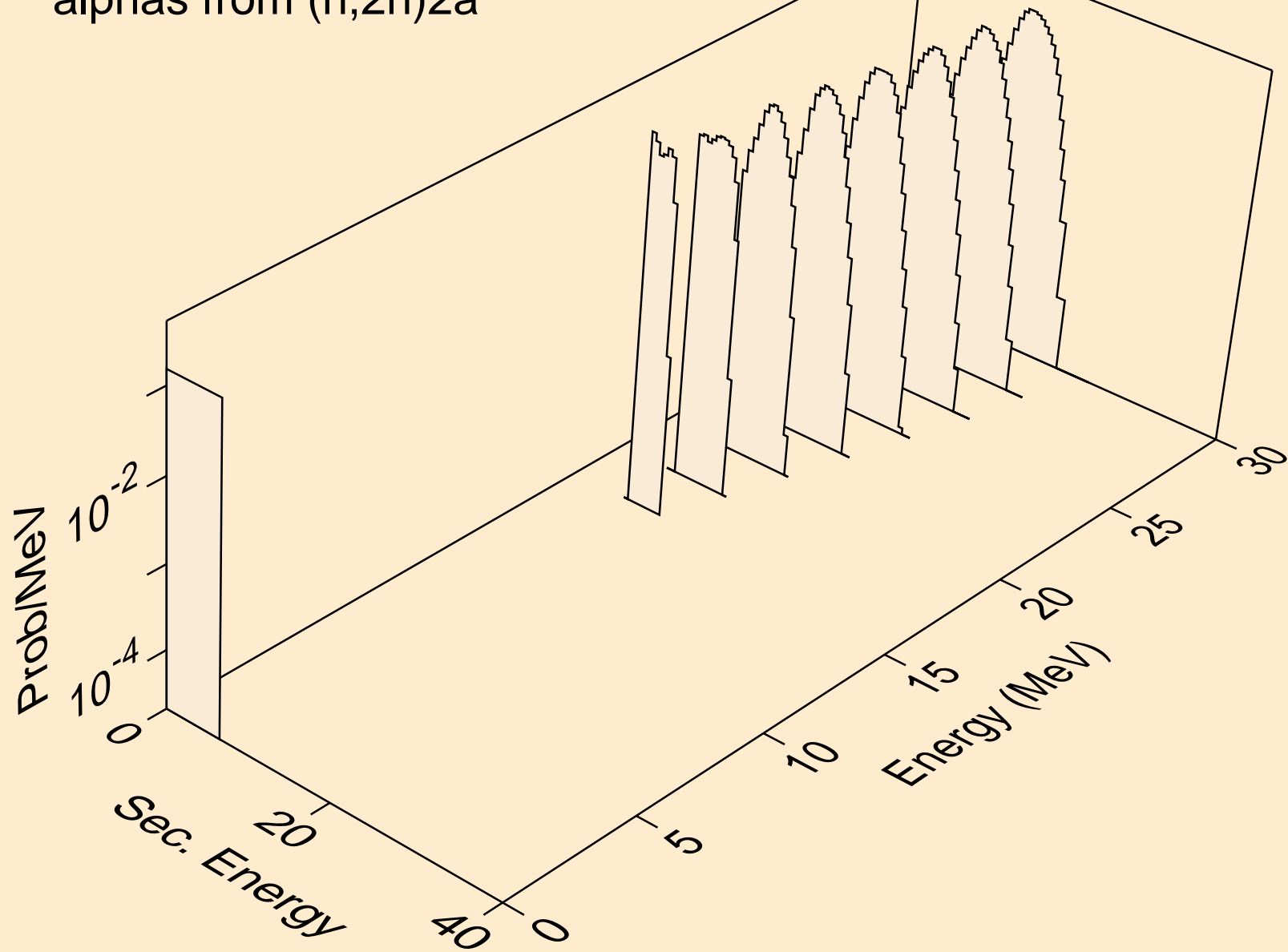
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,3n)a



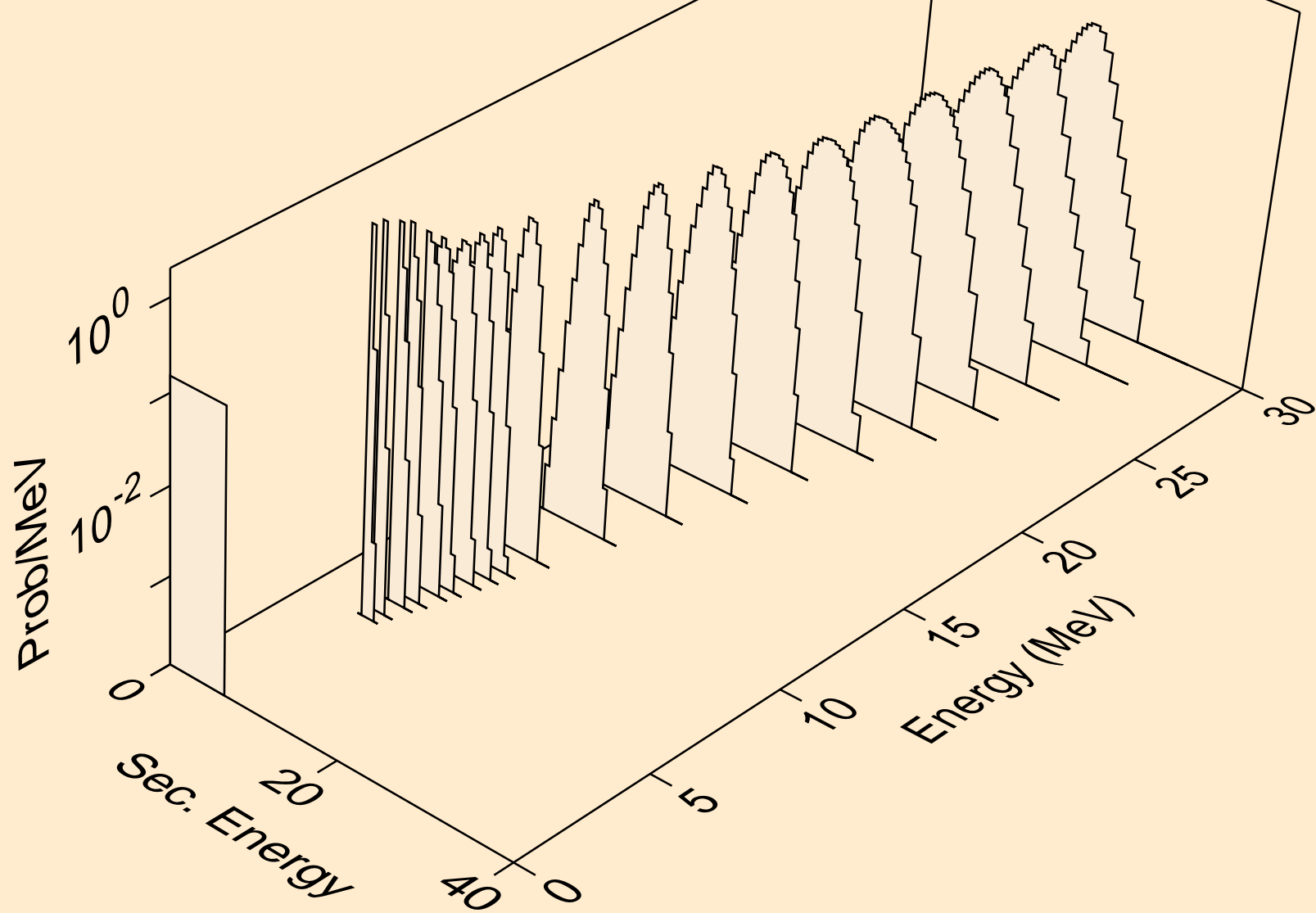
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,n*)2a



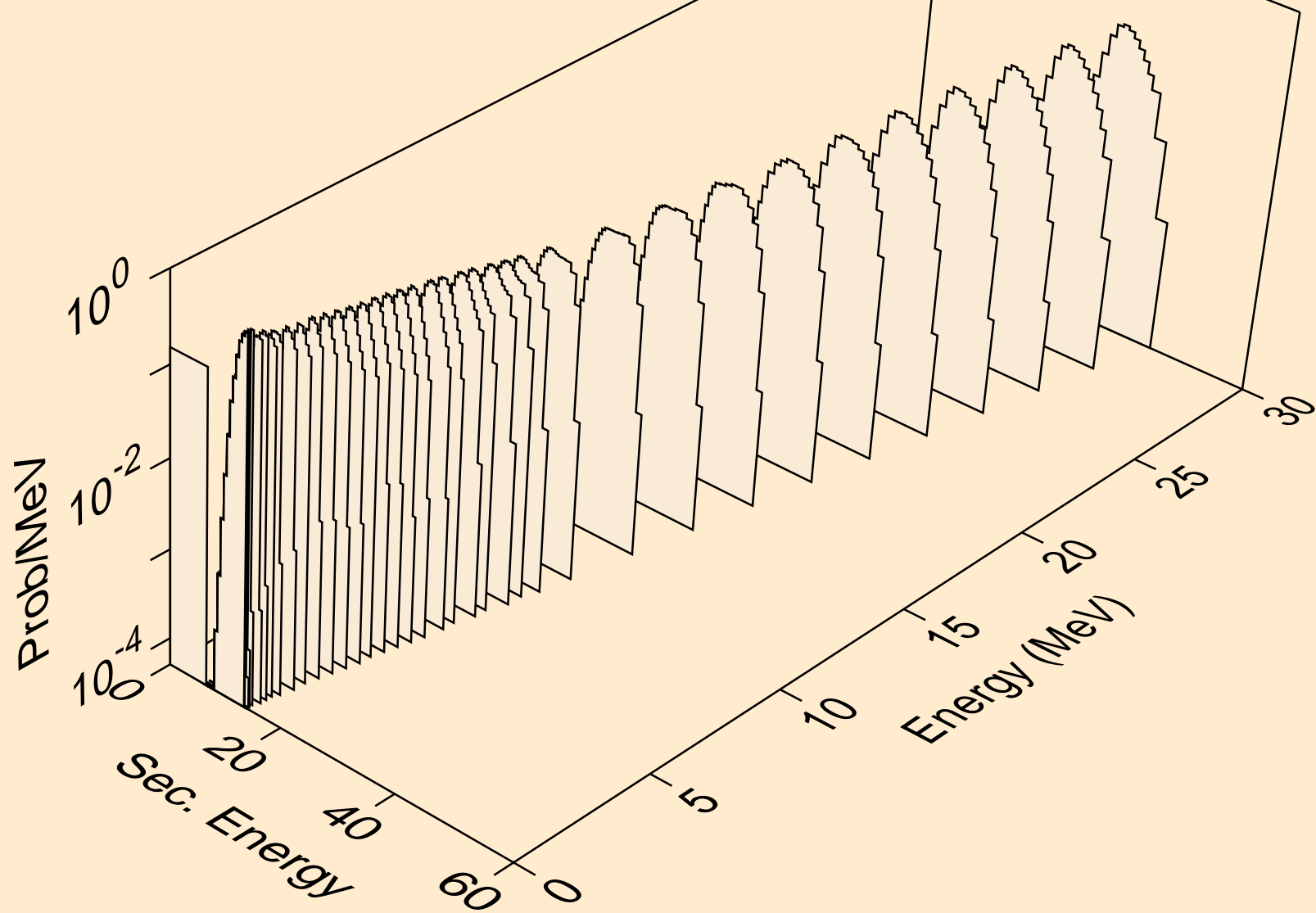
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2n)2a



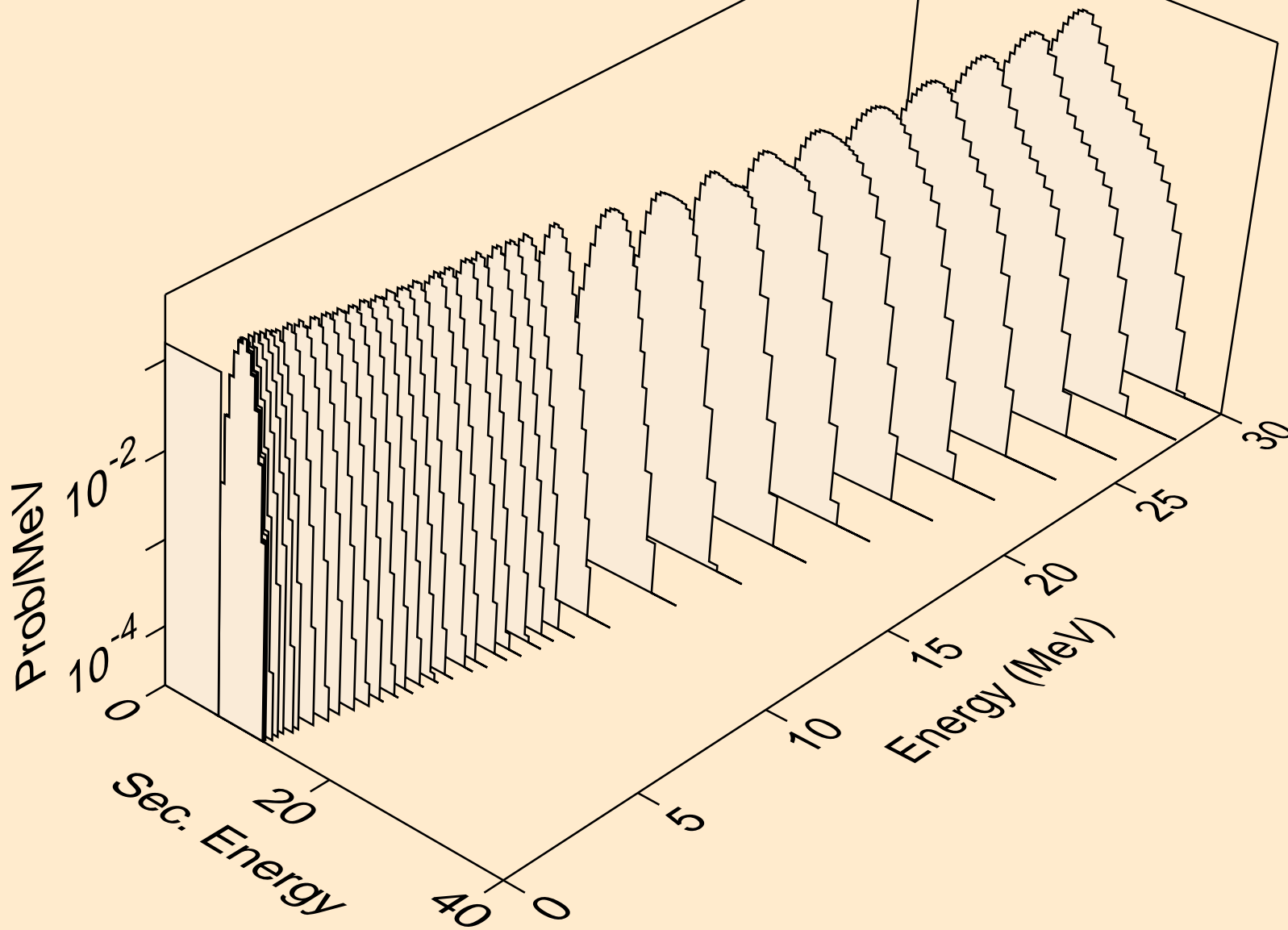
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alphas from (n,npa)



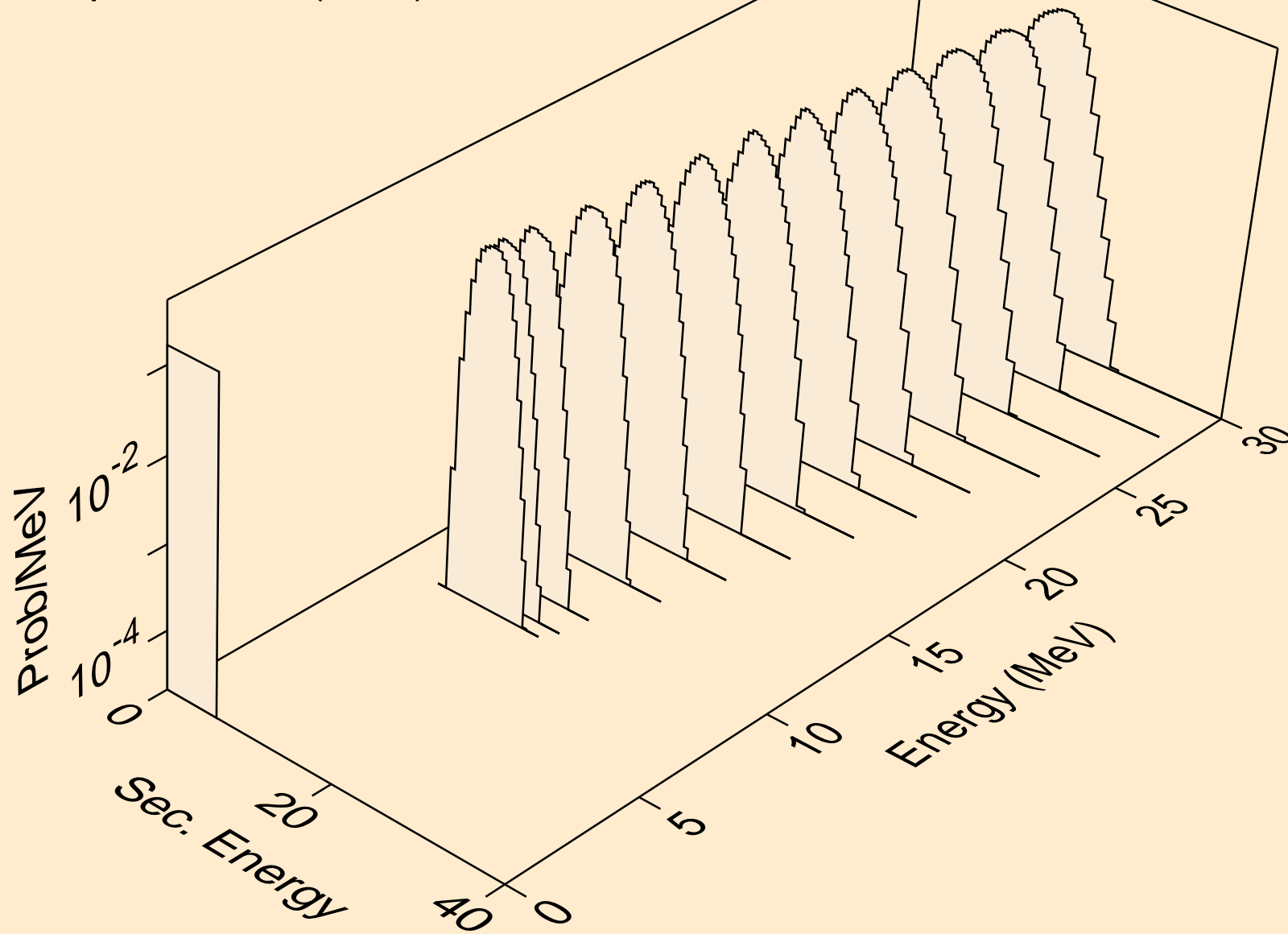
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,a)



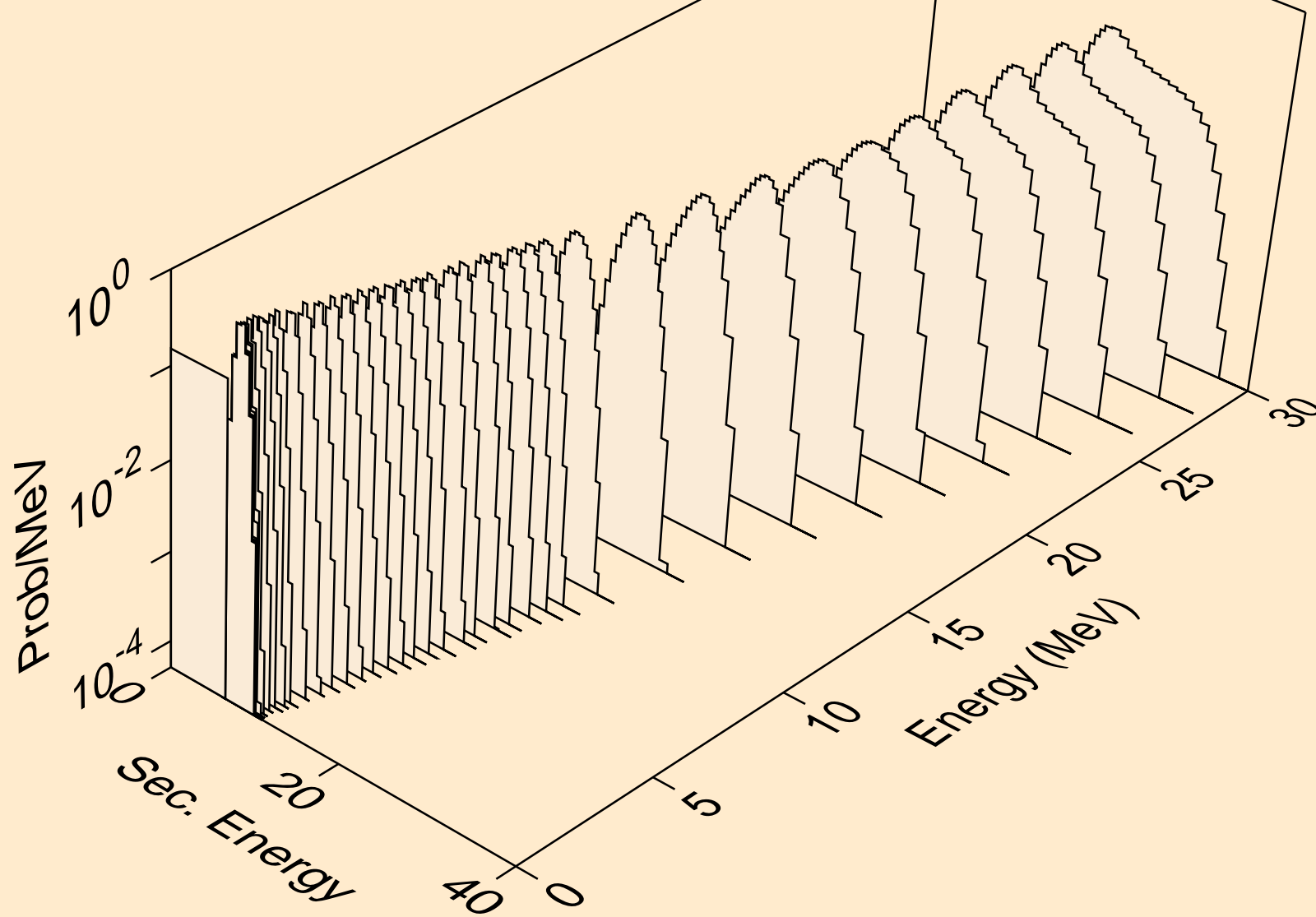
BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,2a)



BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,3a)



BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,pa)



BI193 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (n,da)

