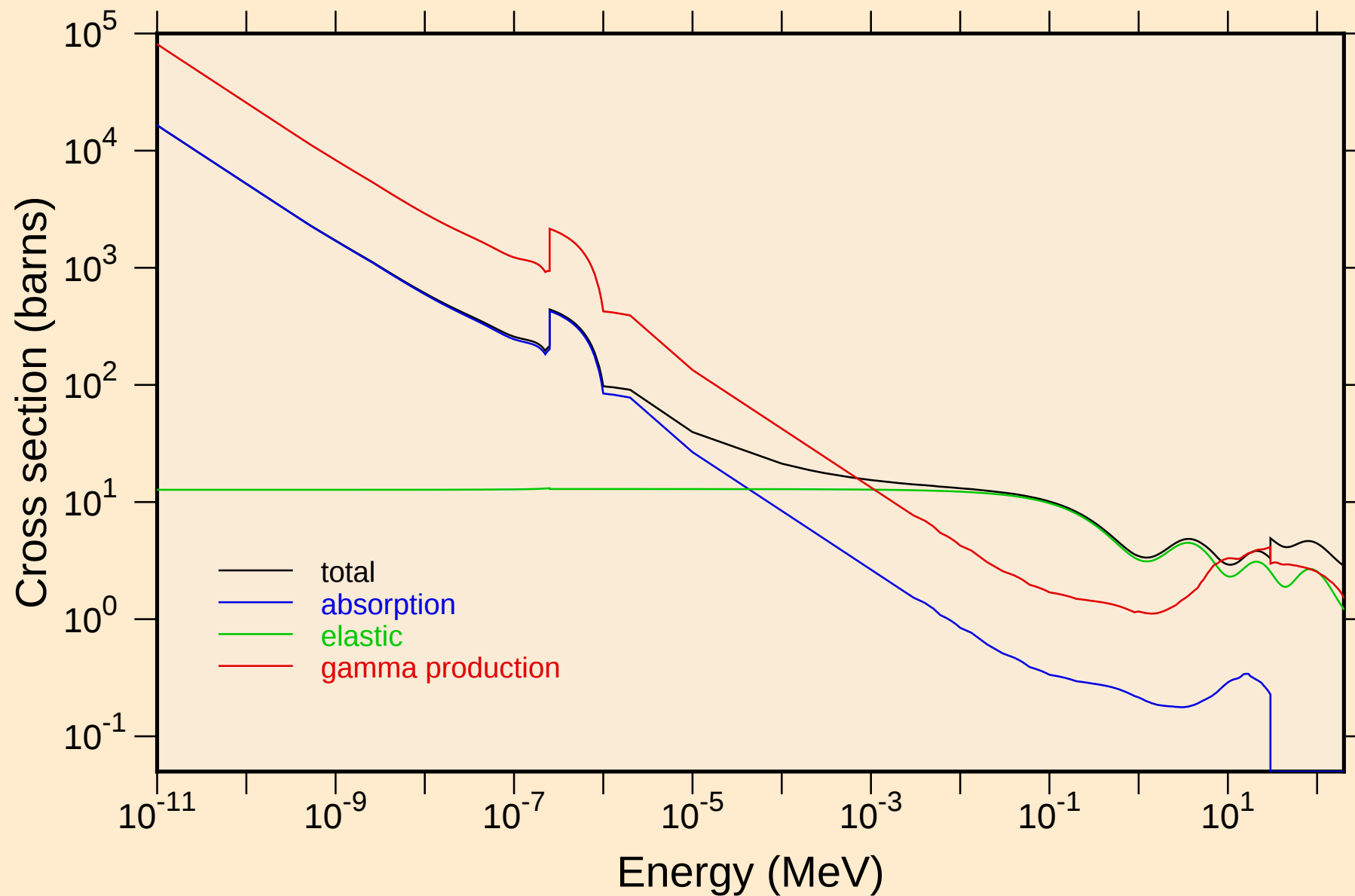


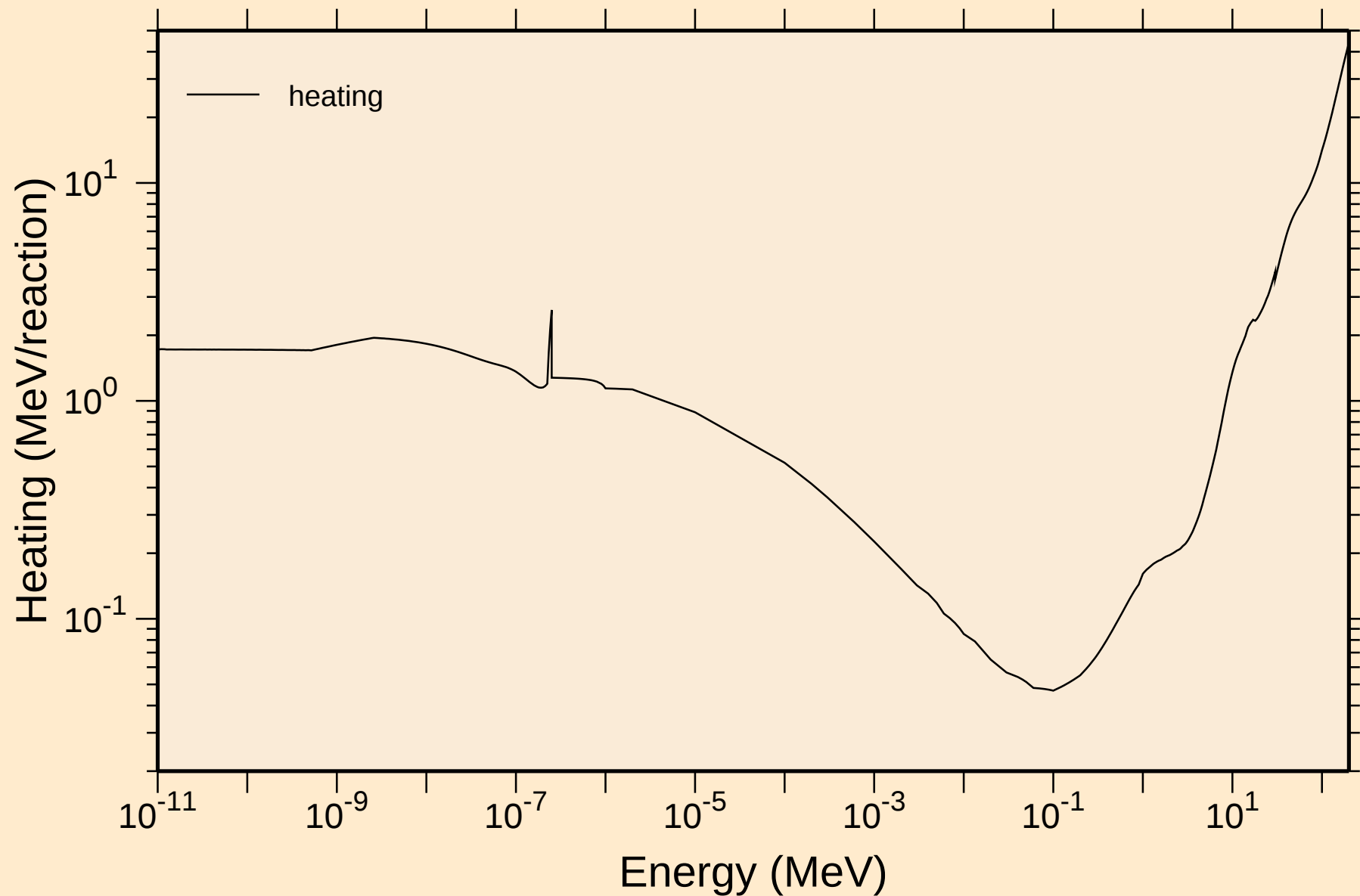
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



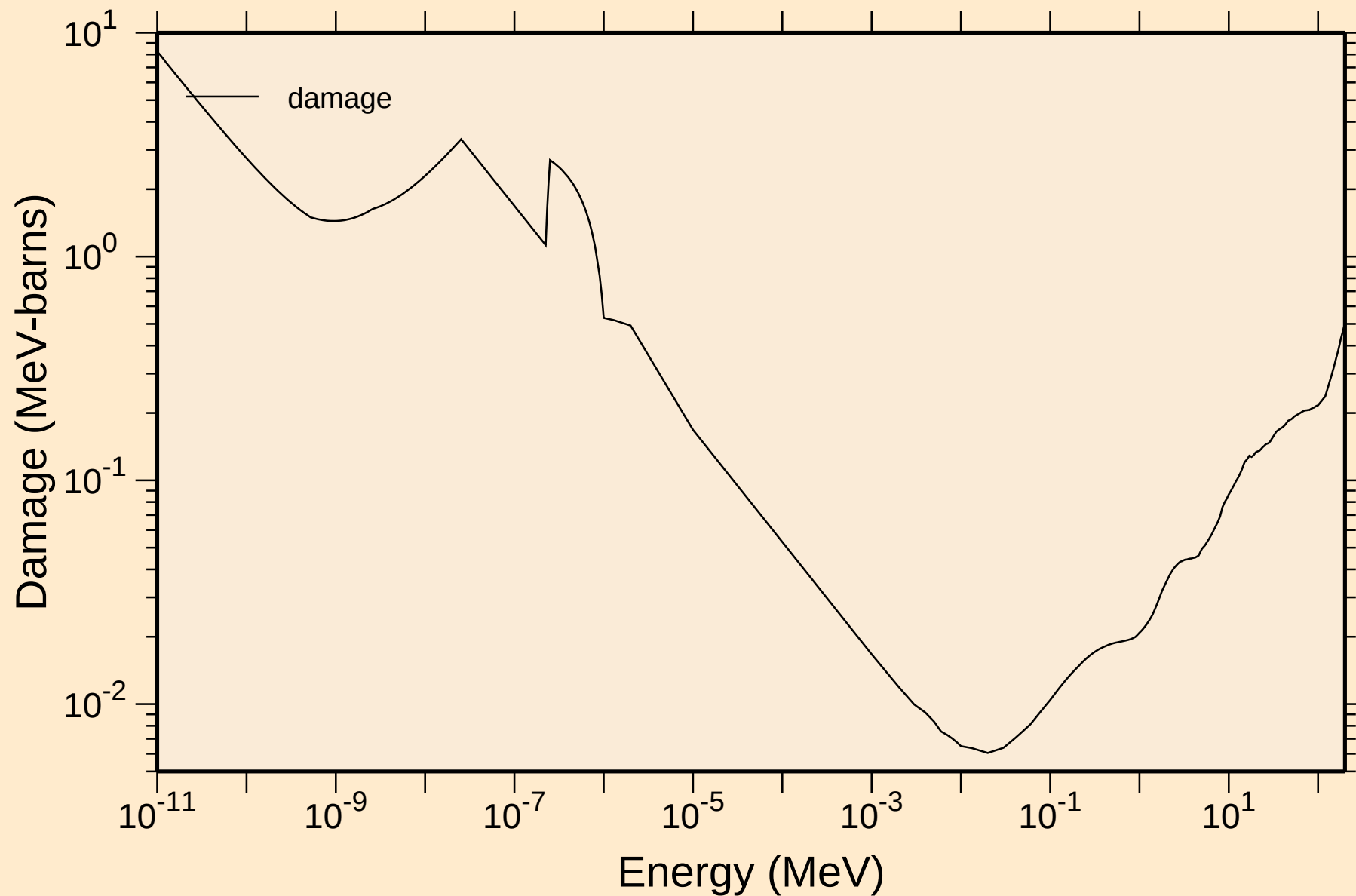
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



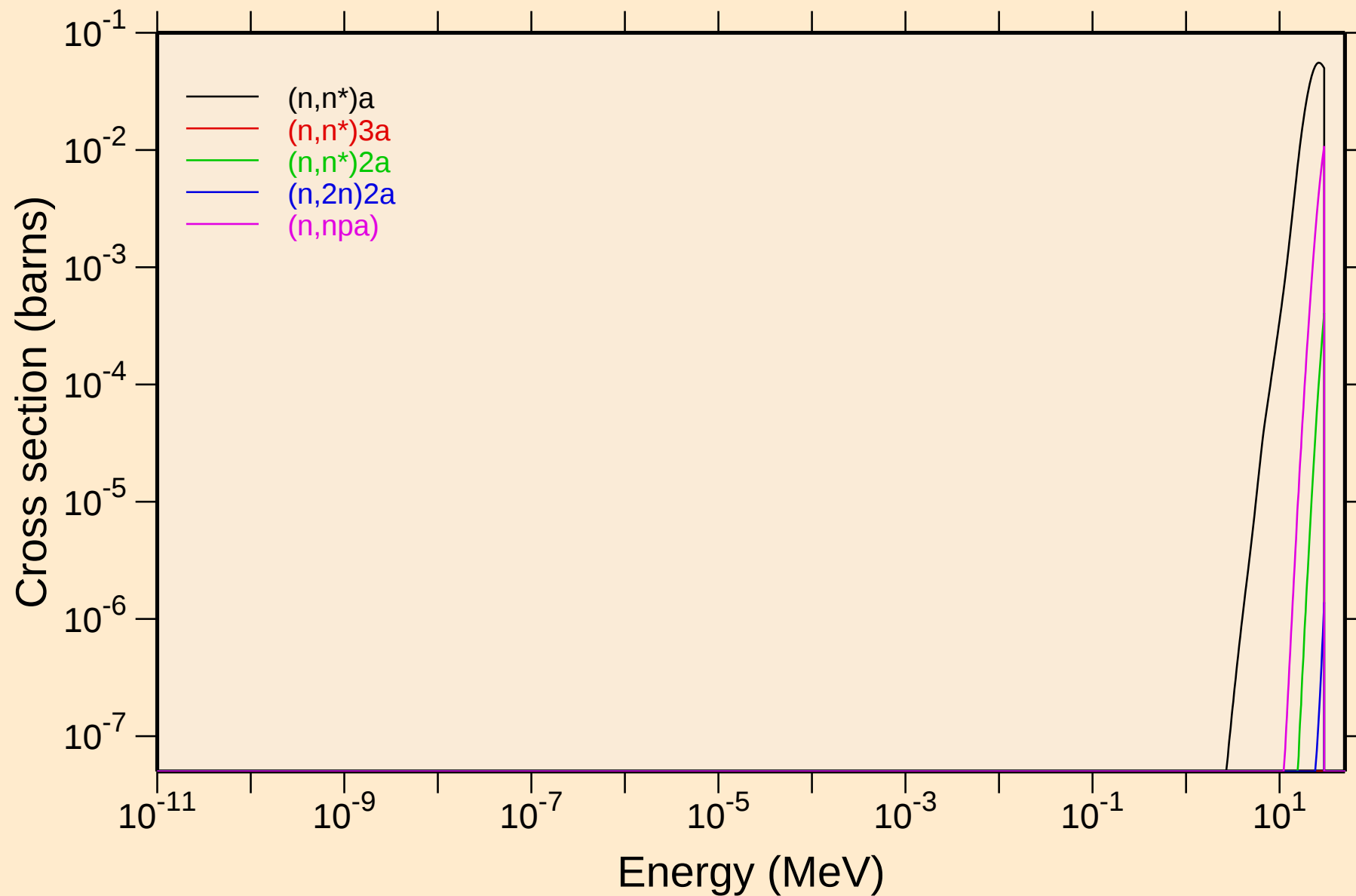
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

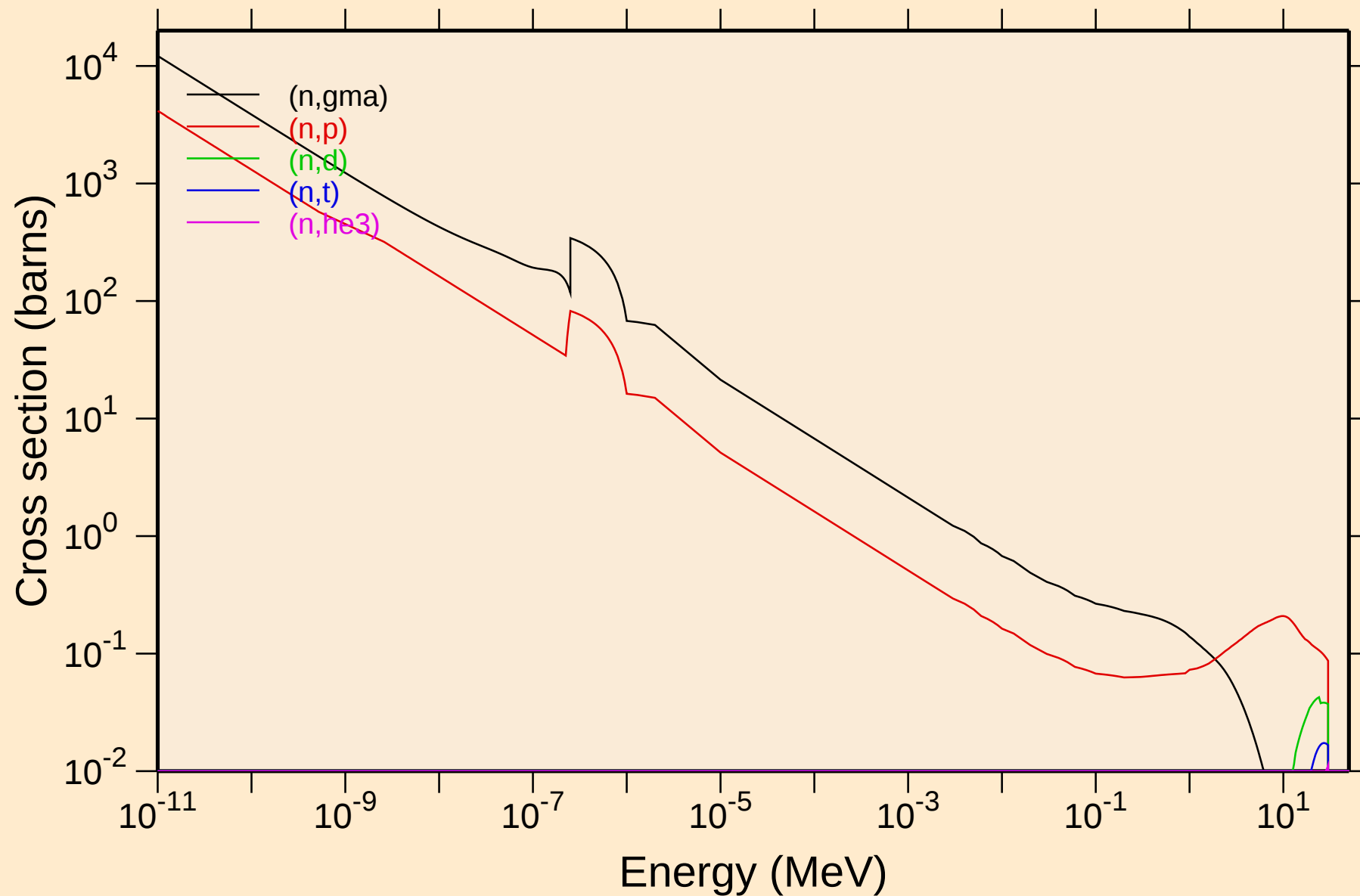


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

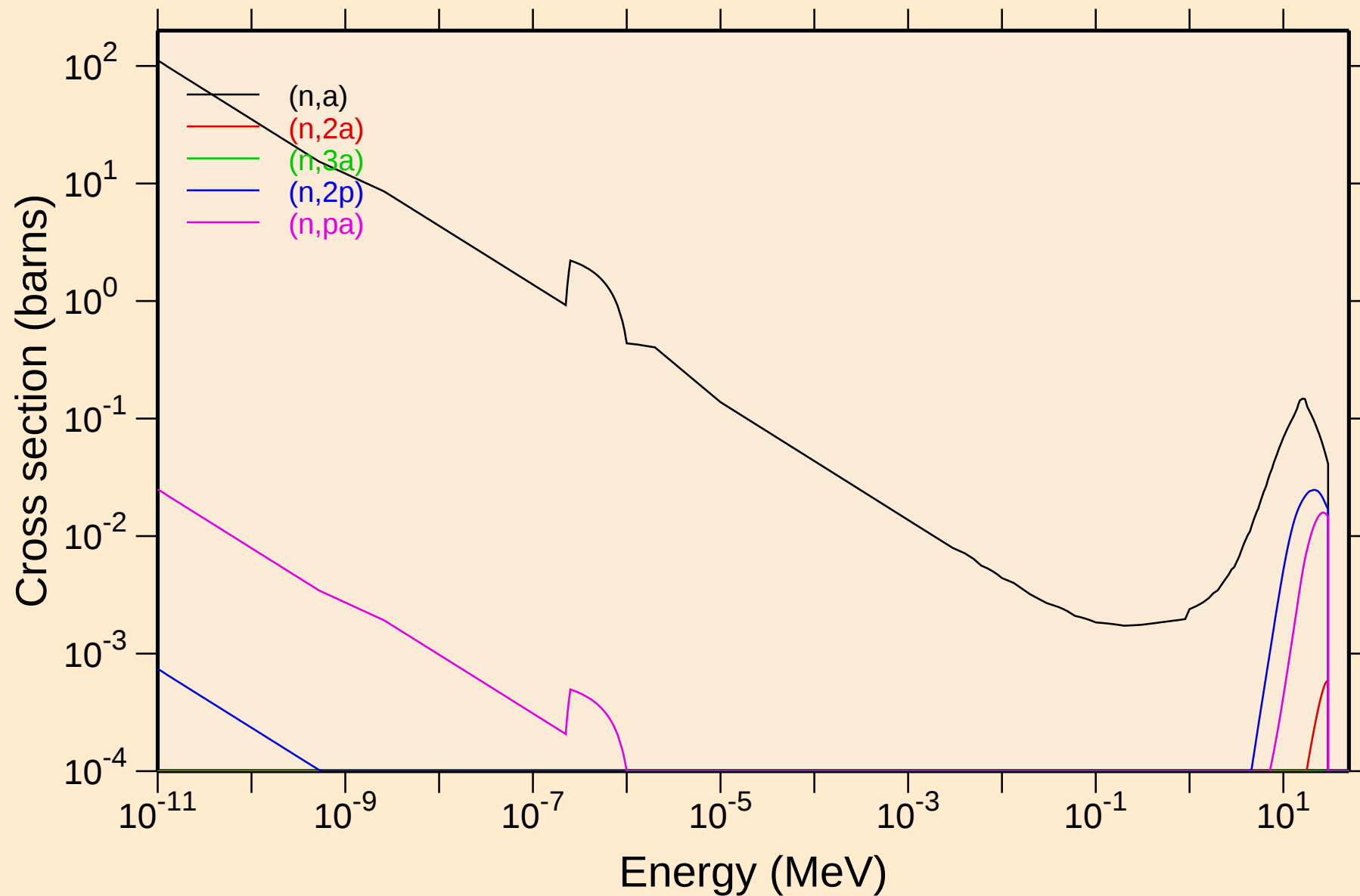
Non-threshold reactions



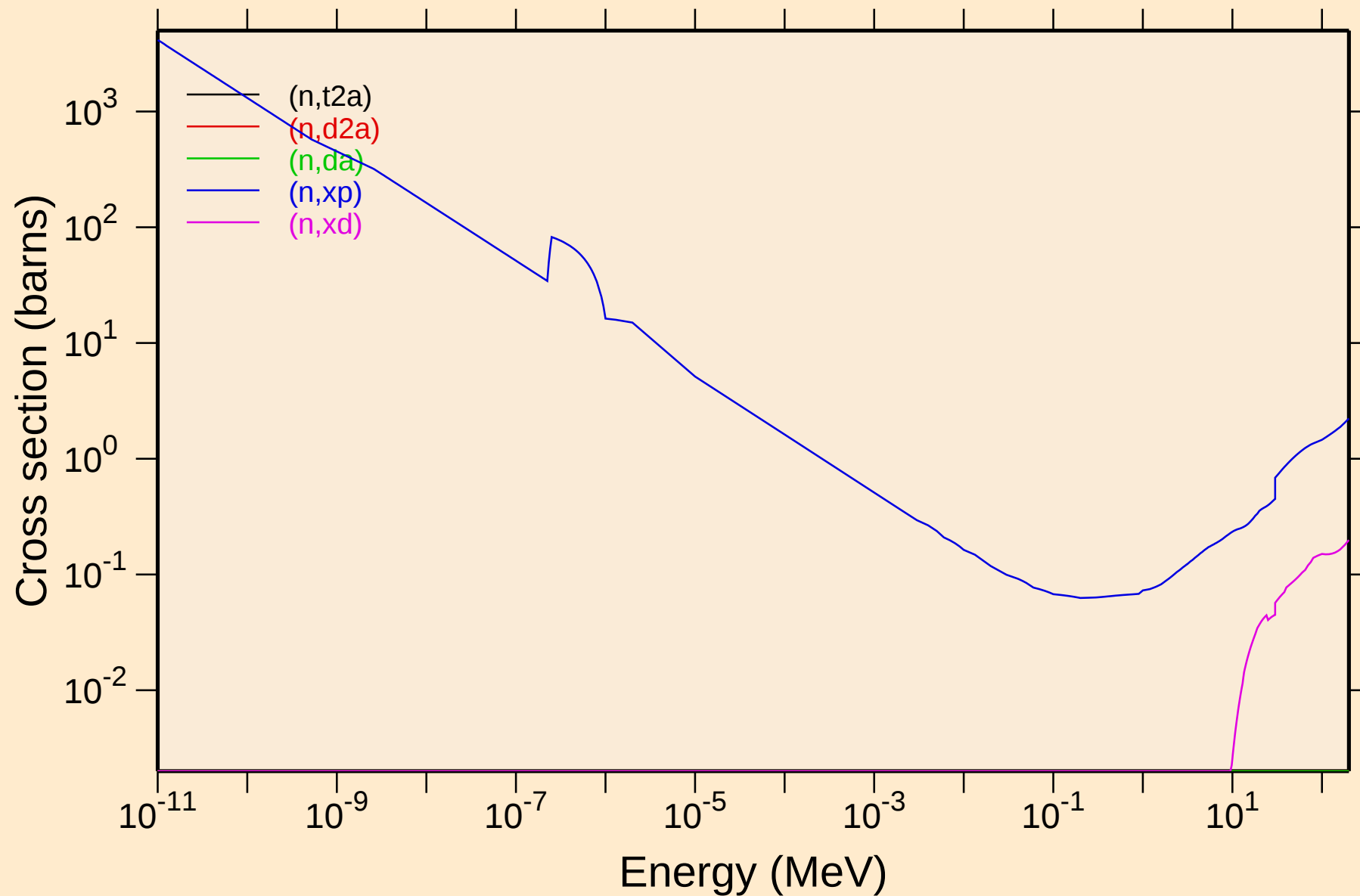
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Non-threshold reactions



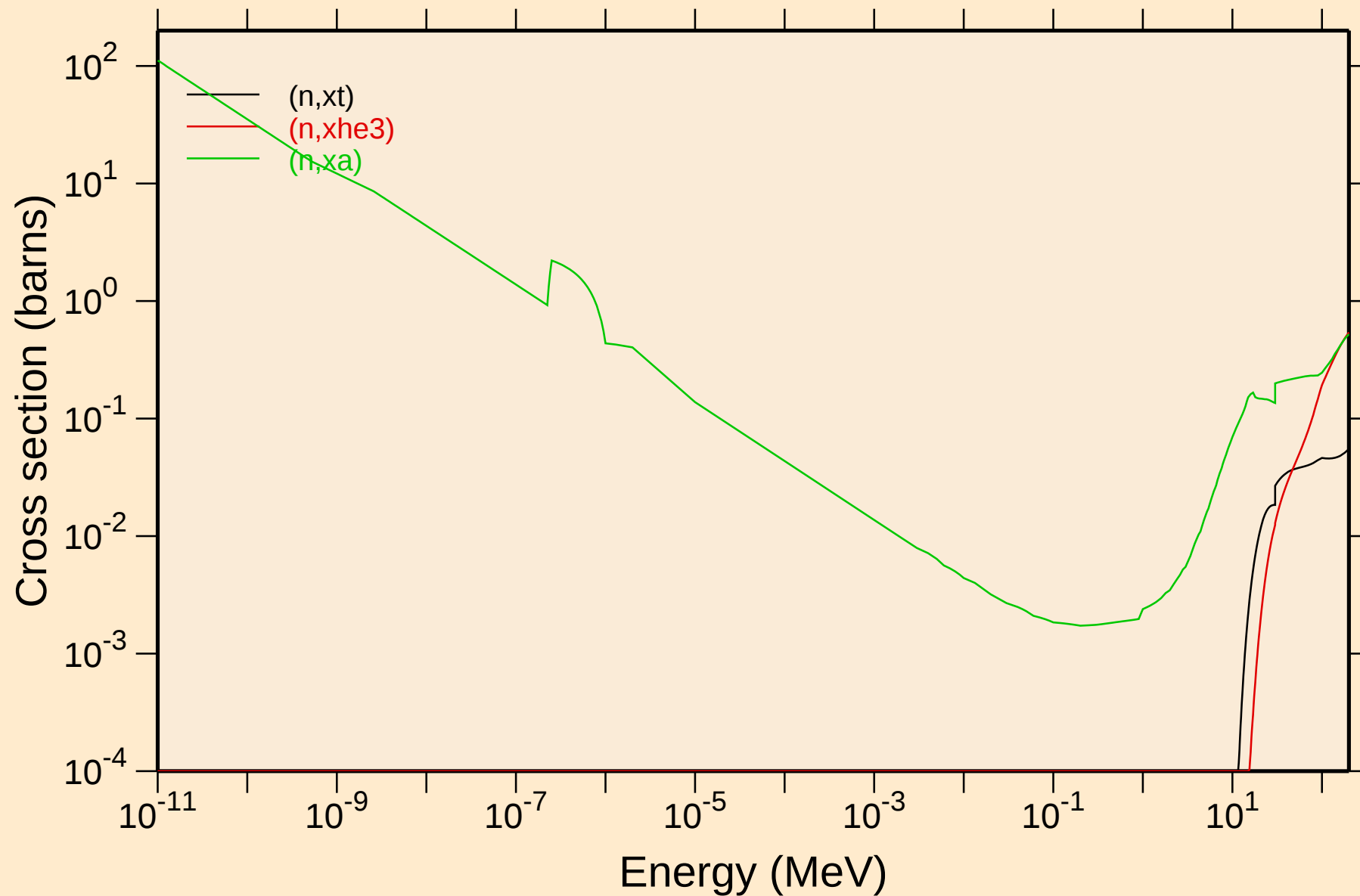
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Non-threshold reactions



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

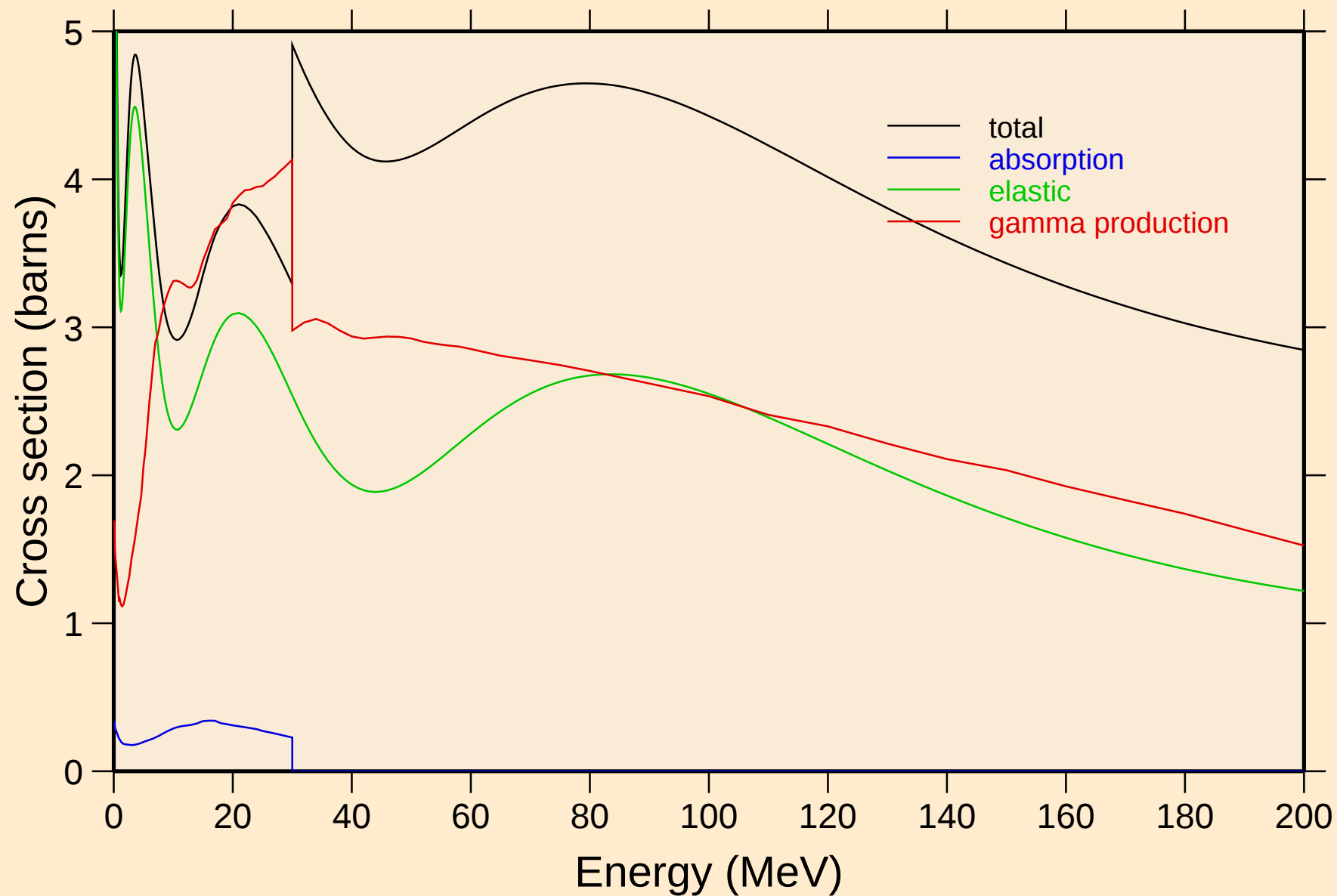


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Non-threshold reactions



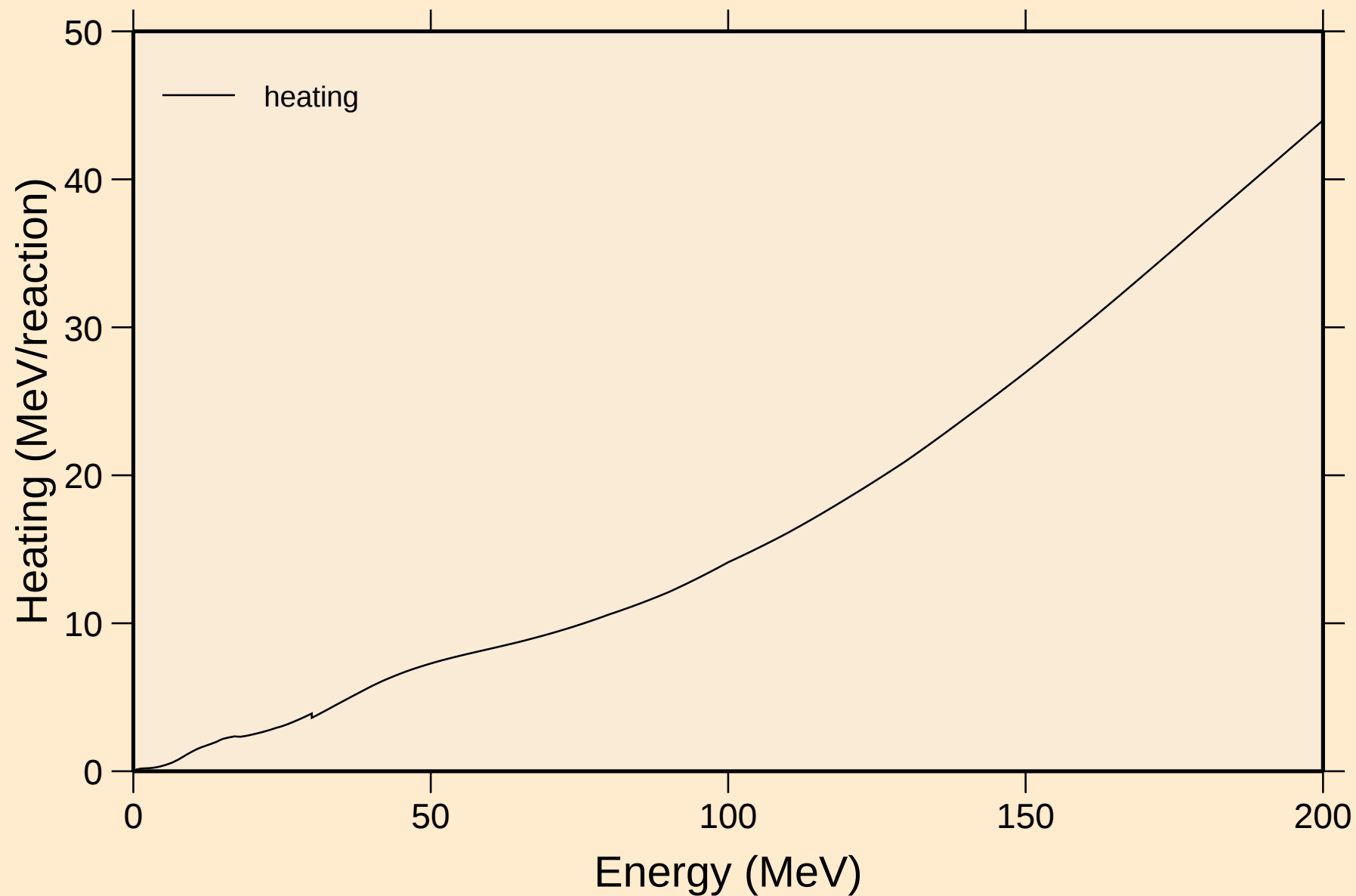
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



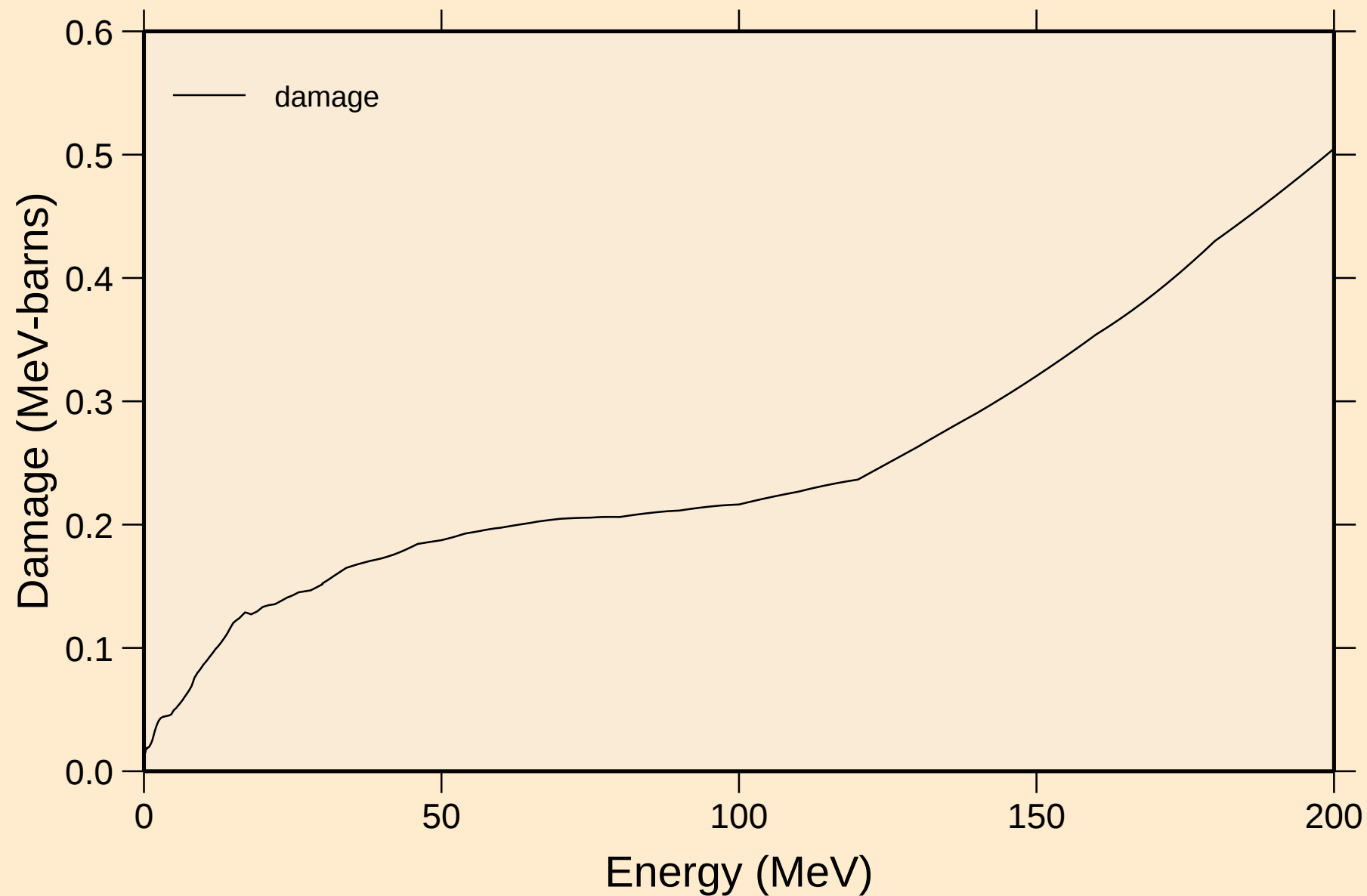
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Heating

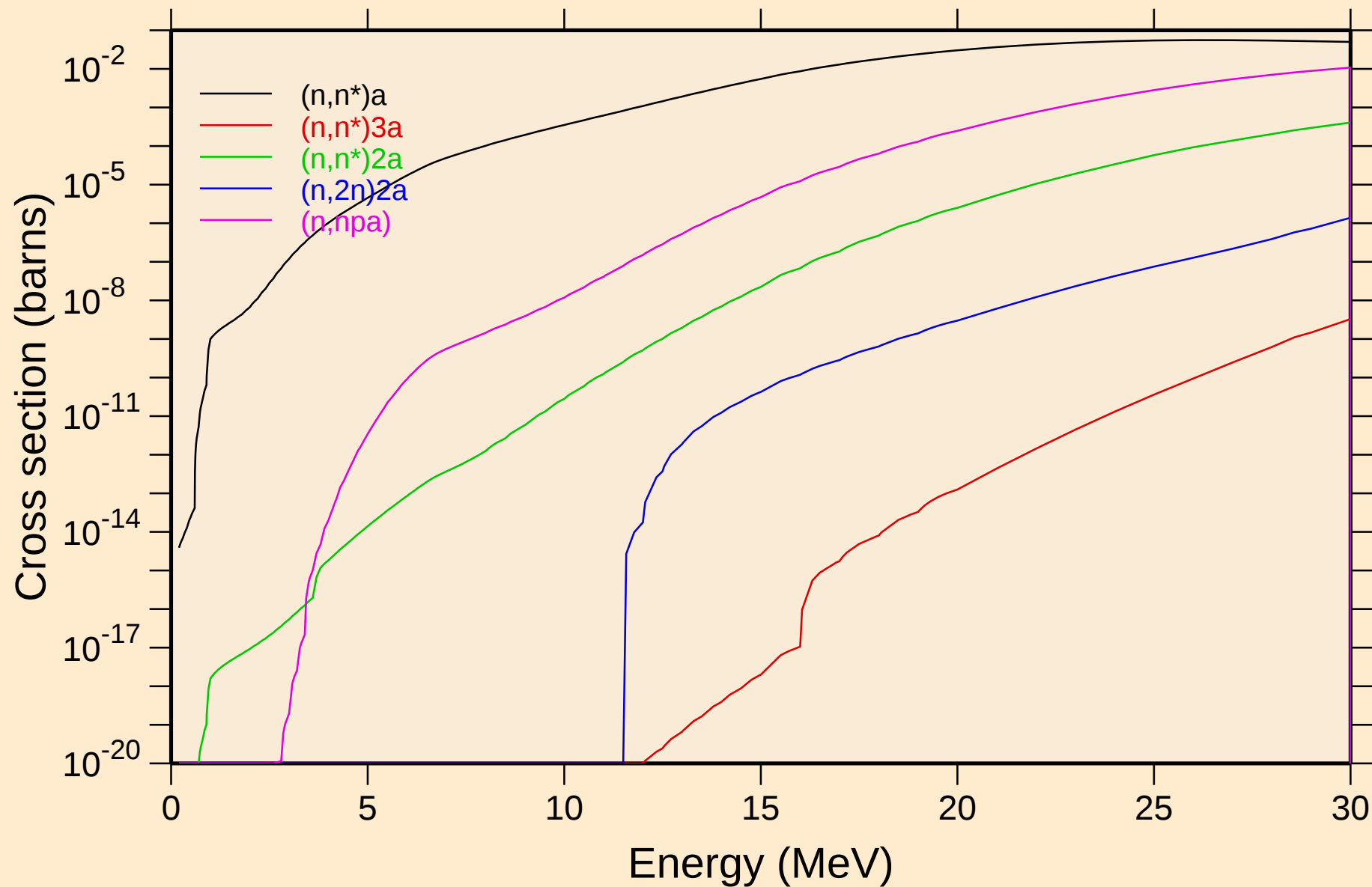


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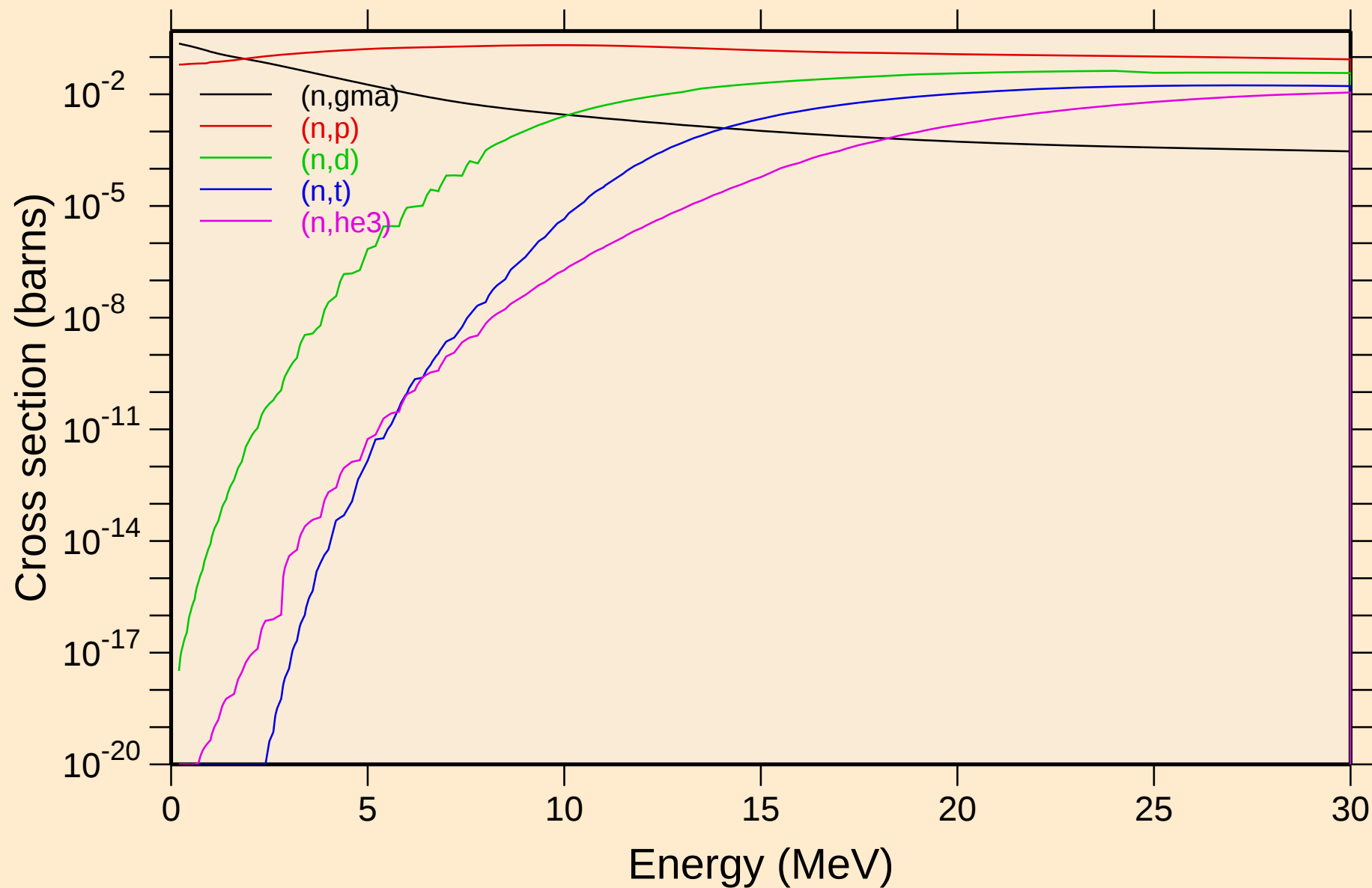
Damage



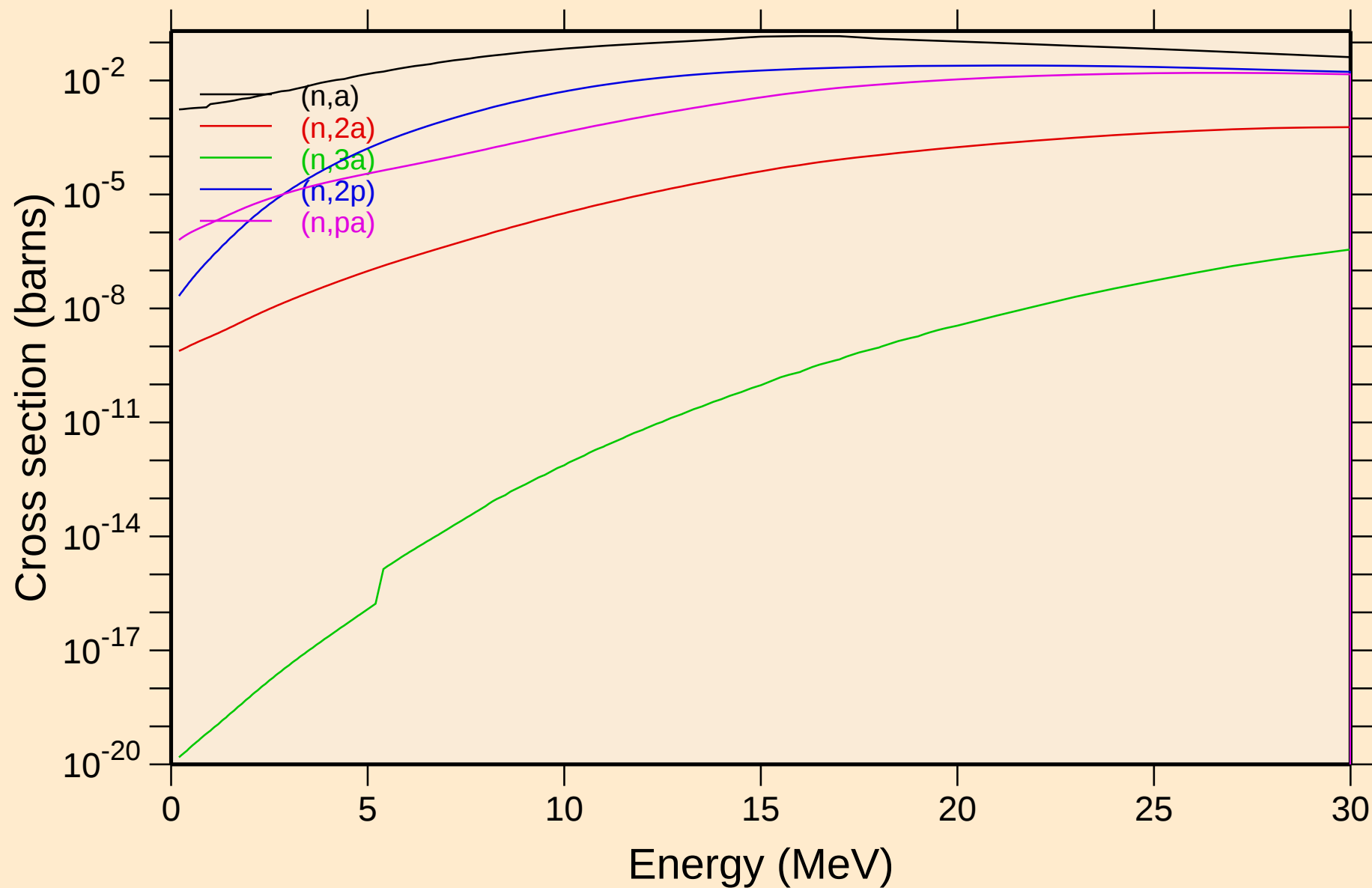
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



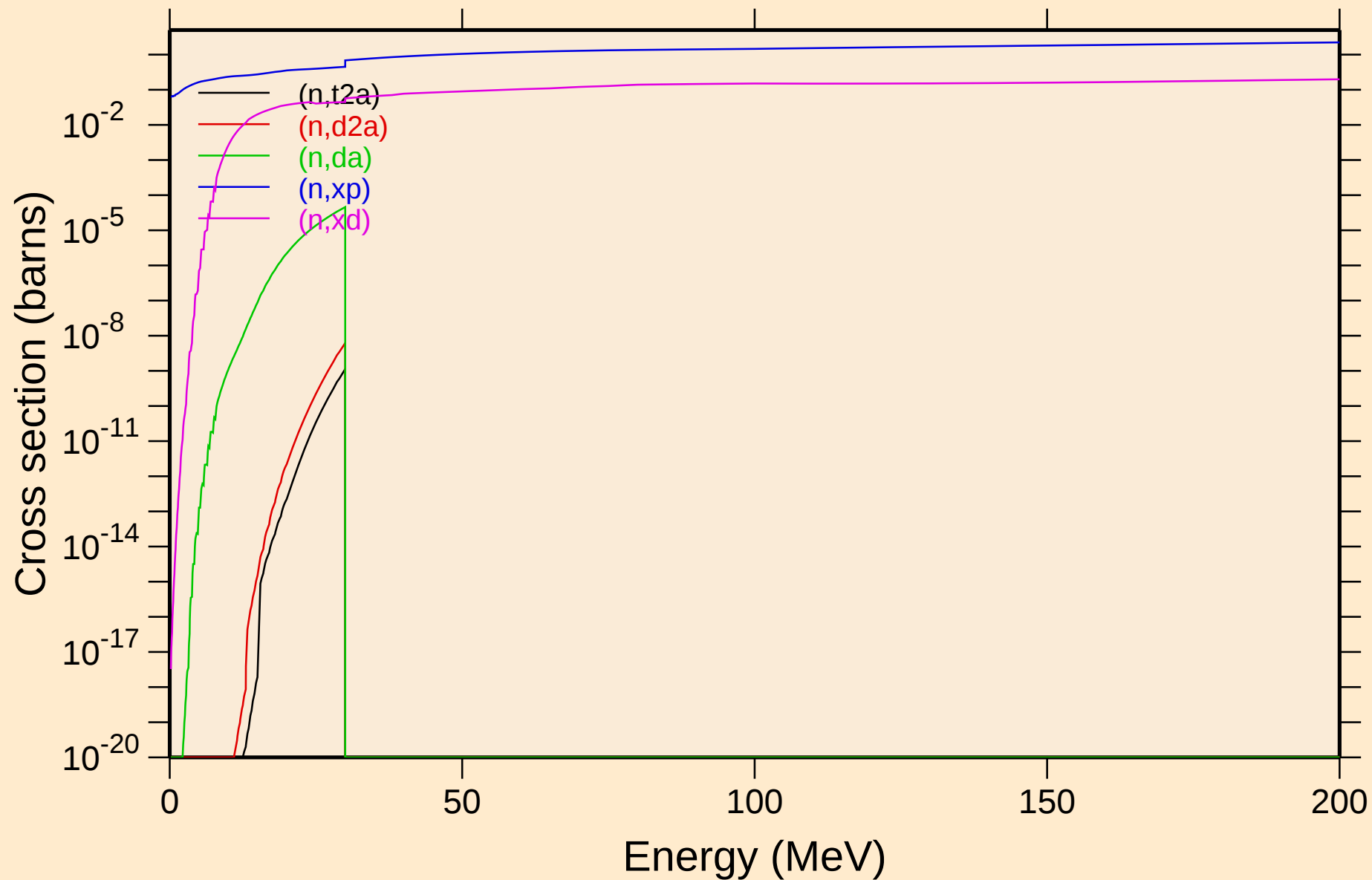
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Non-threshold reactions



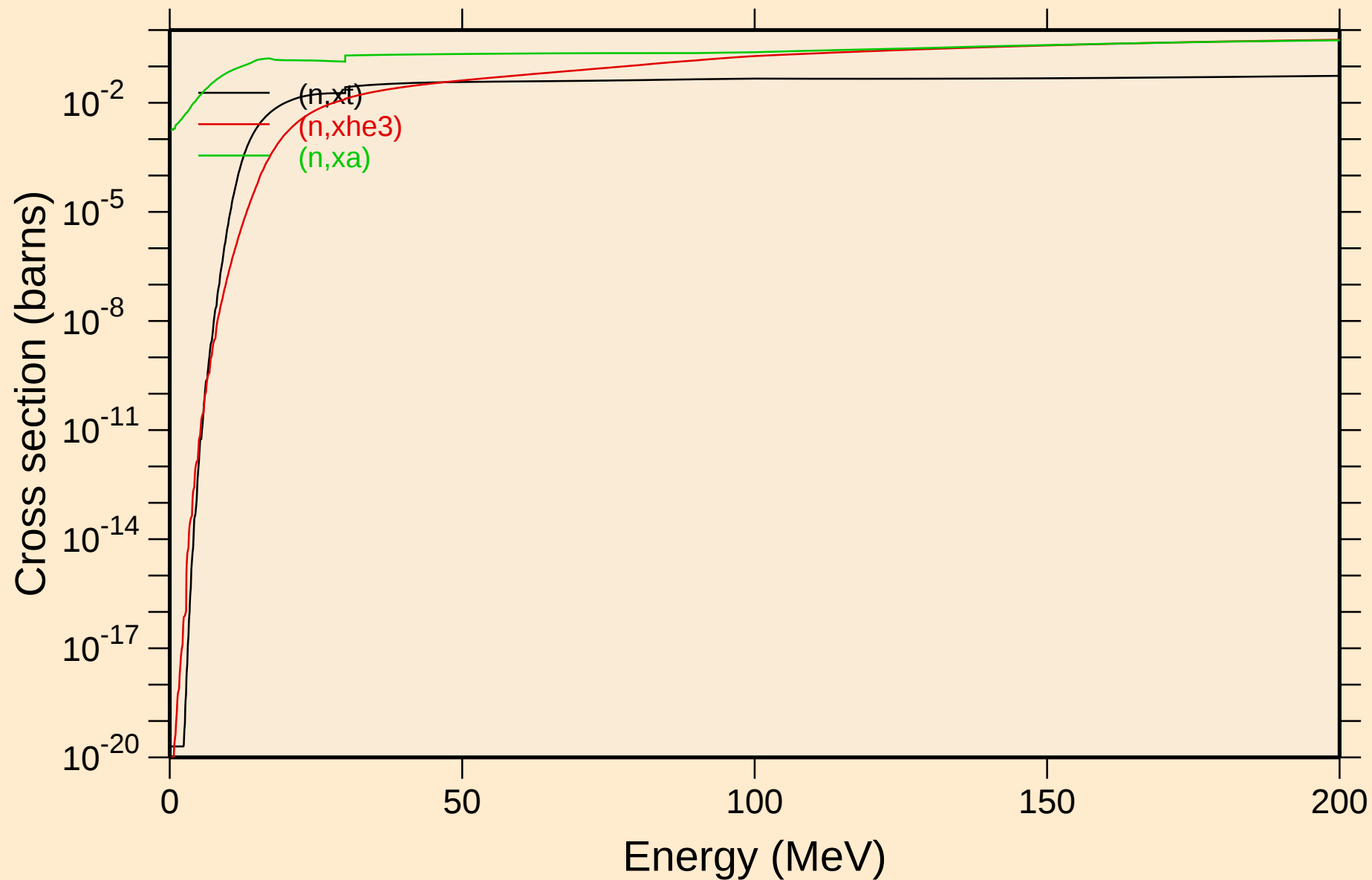
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Non-threshold reactions



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

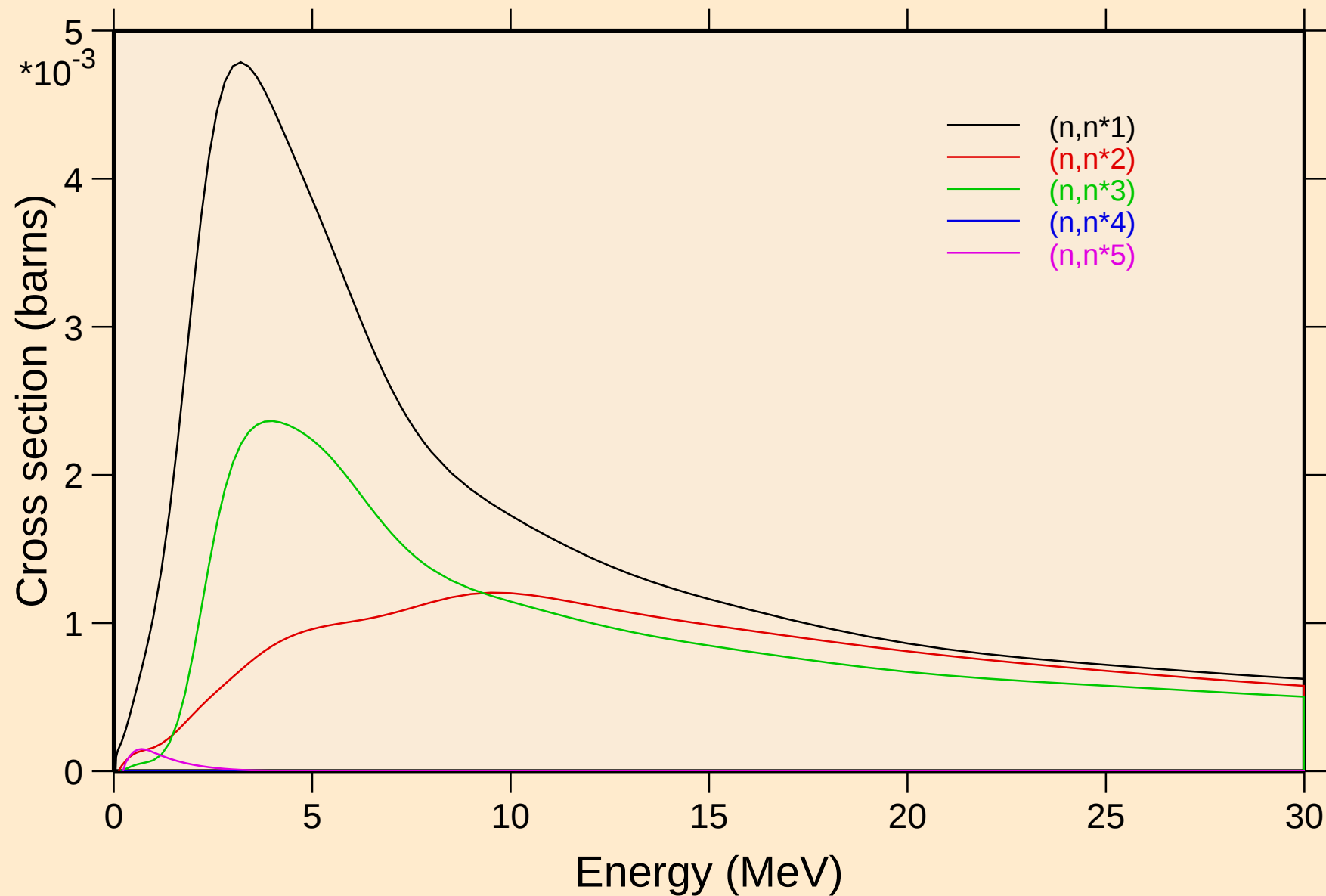


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



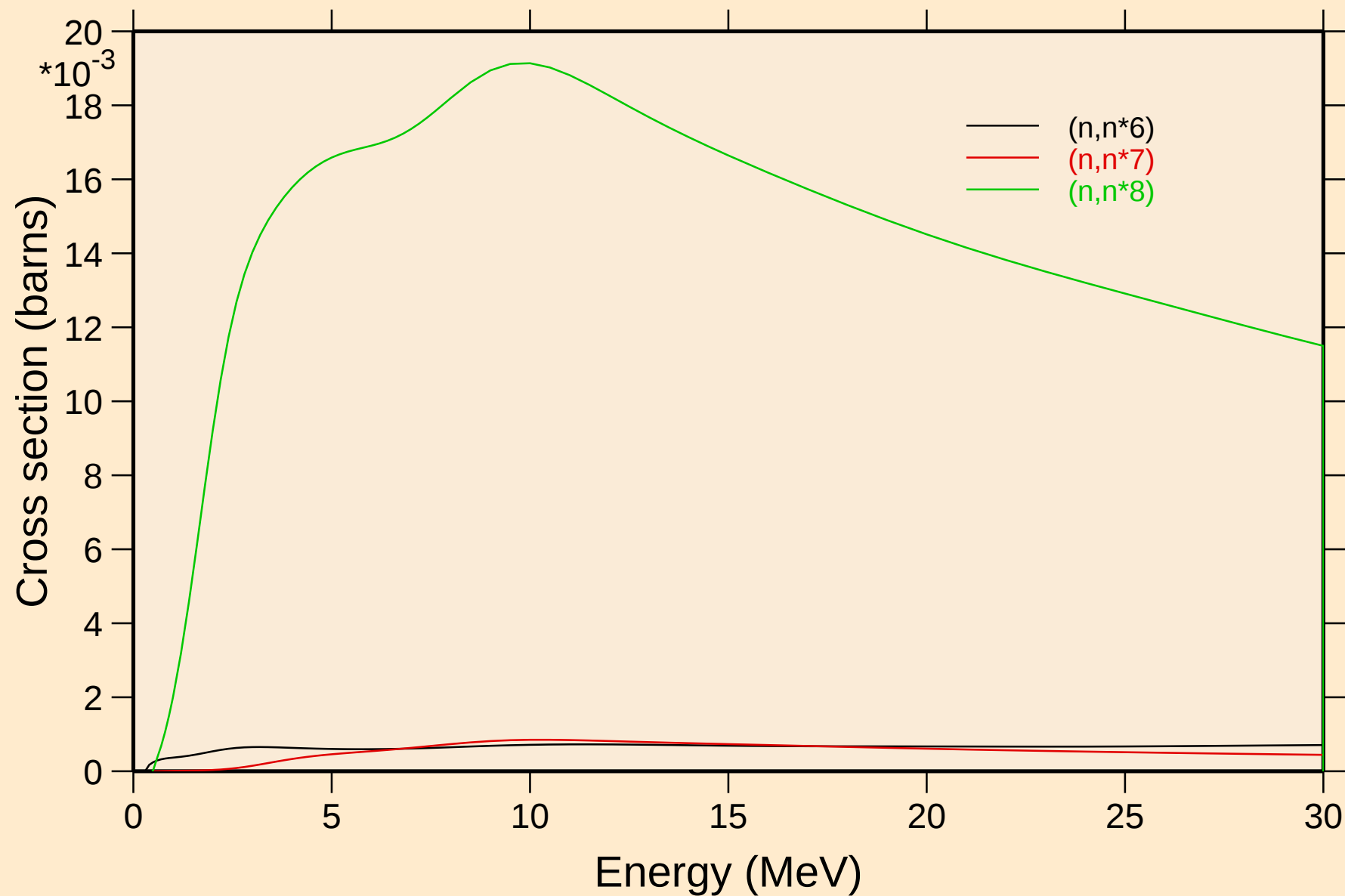
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



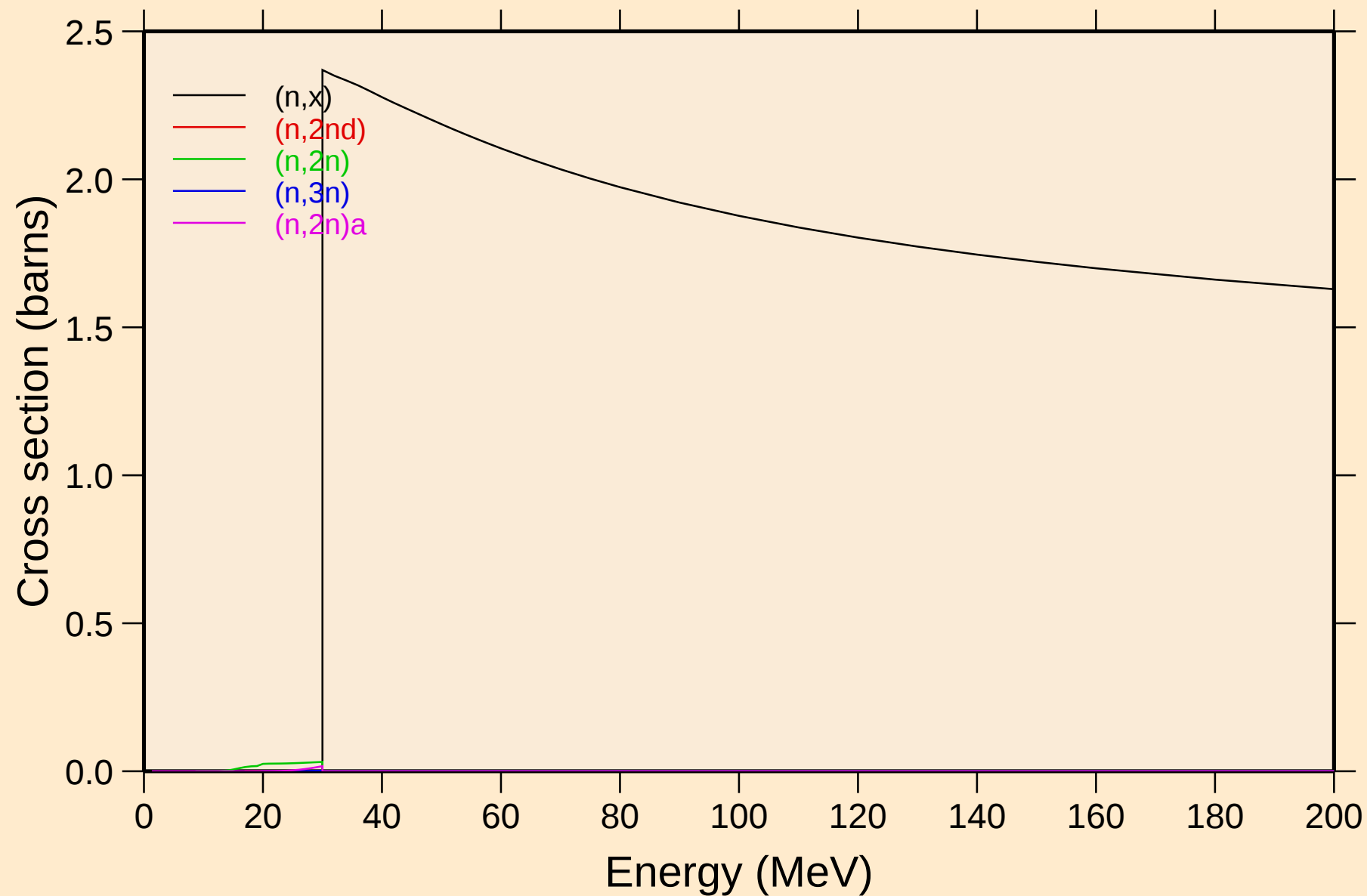
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



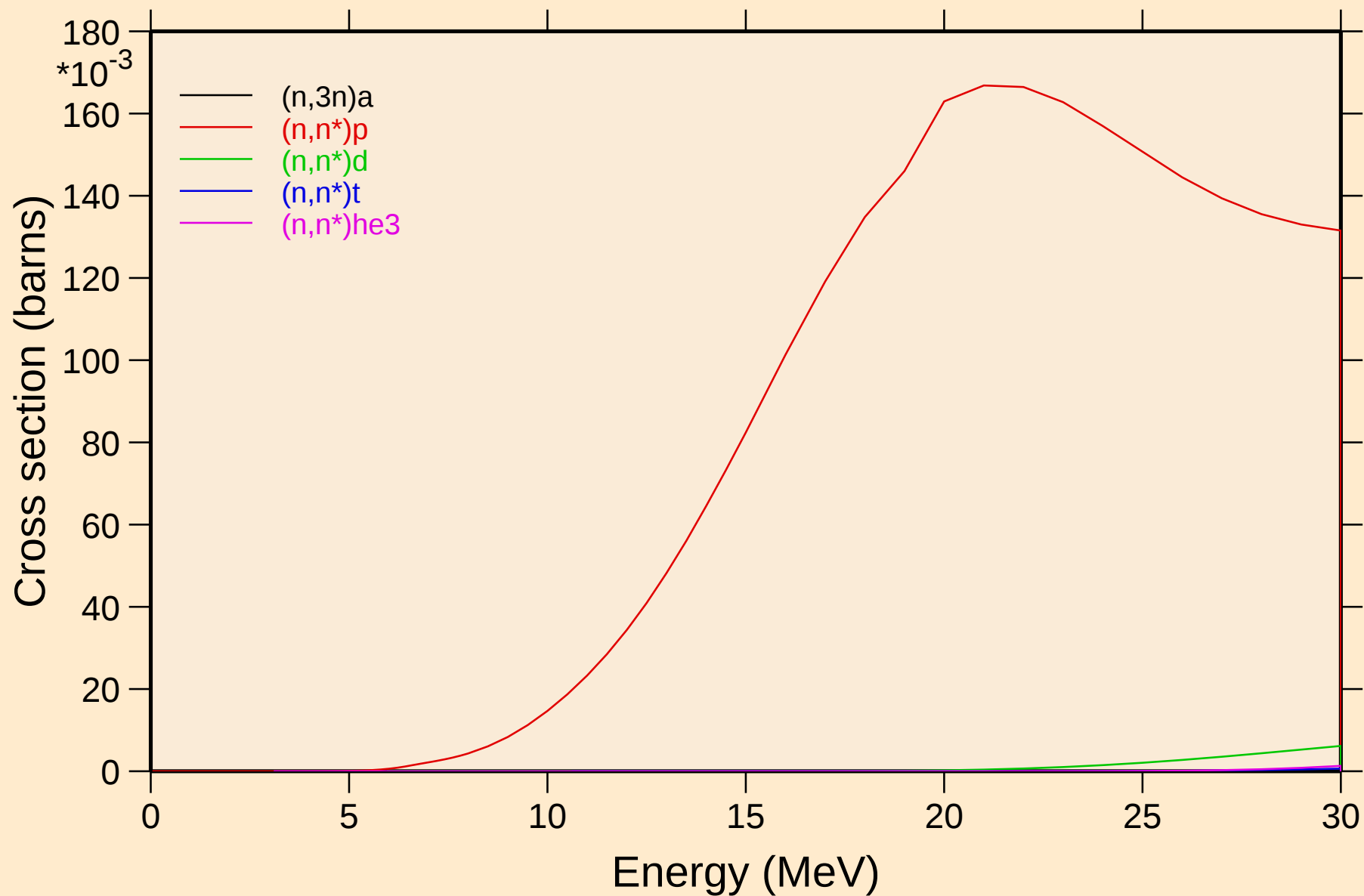
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

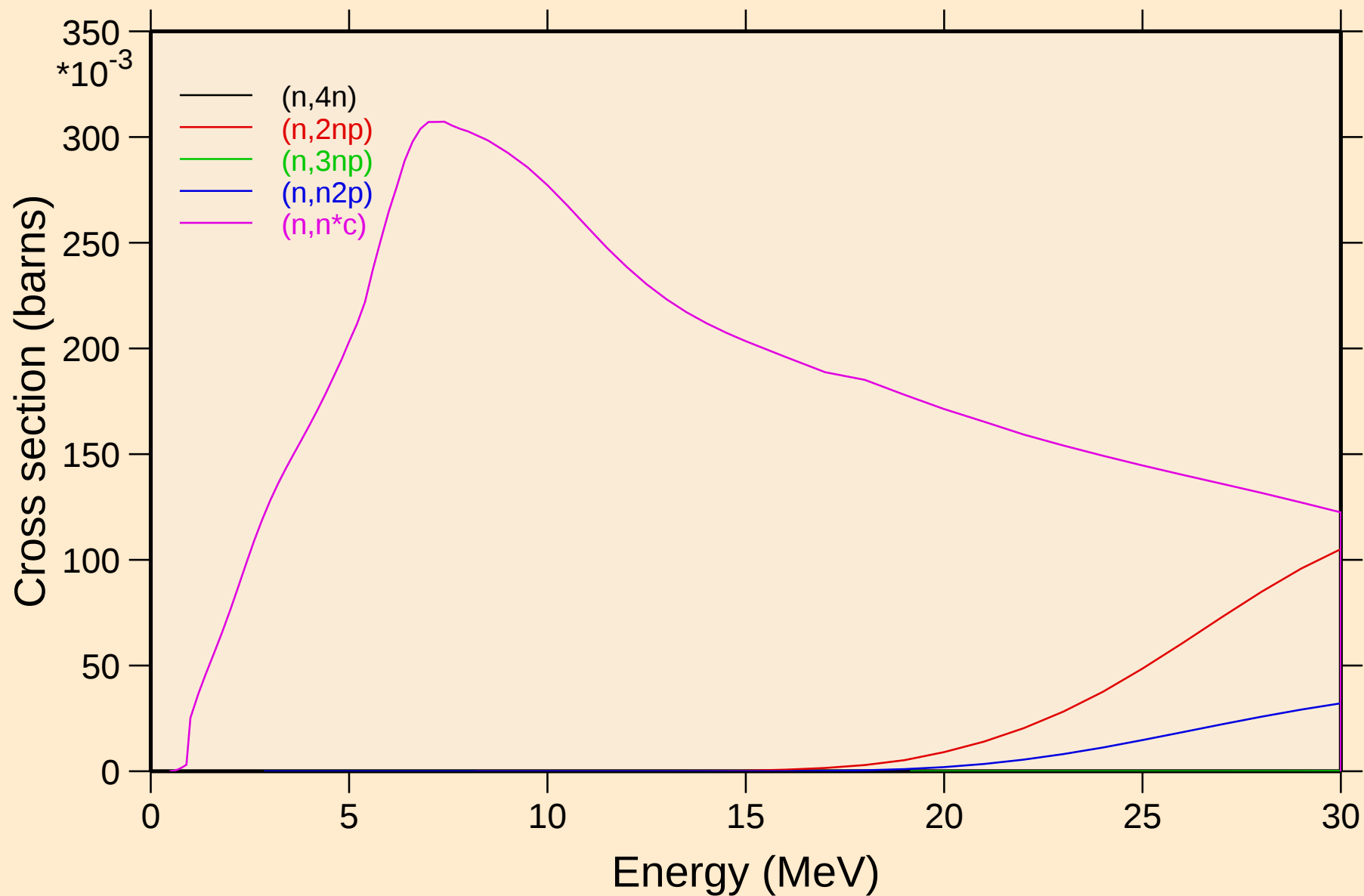


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

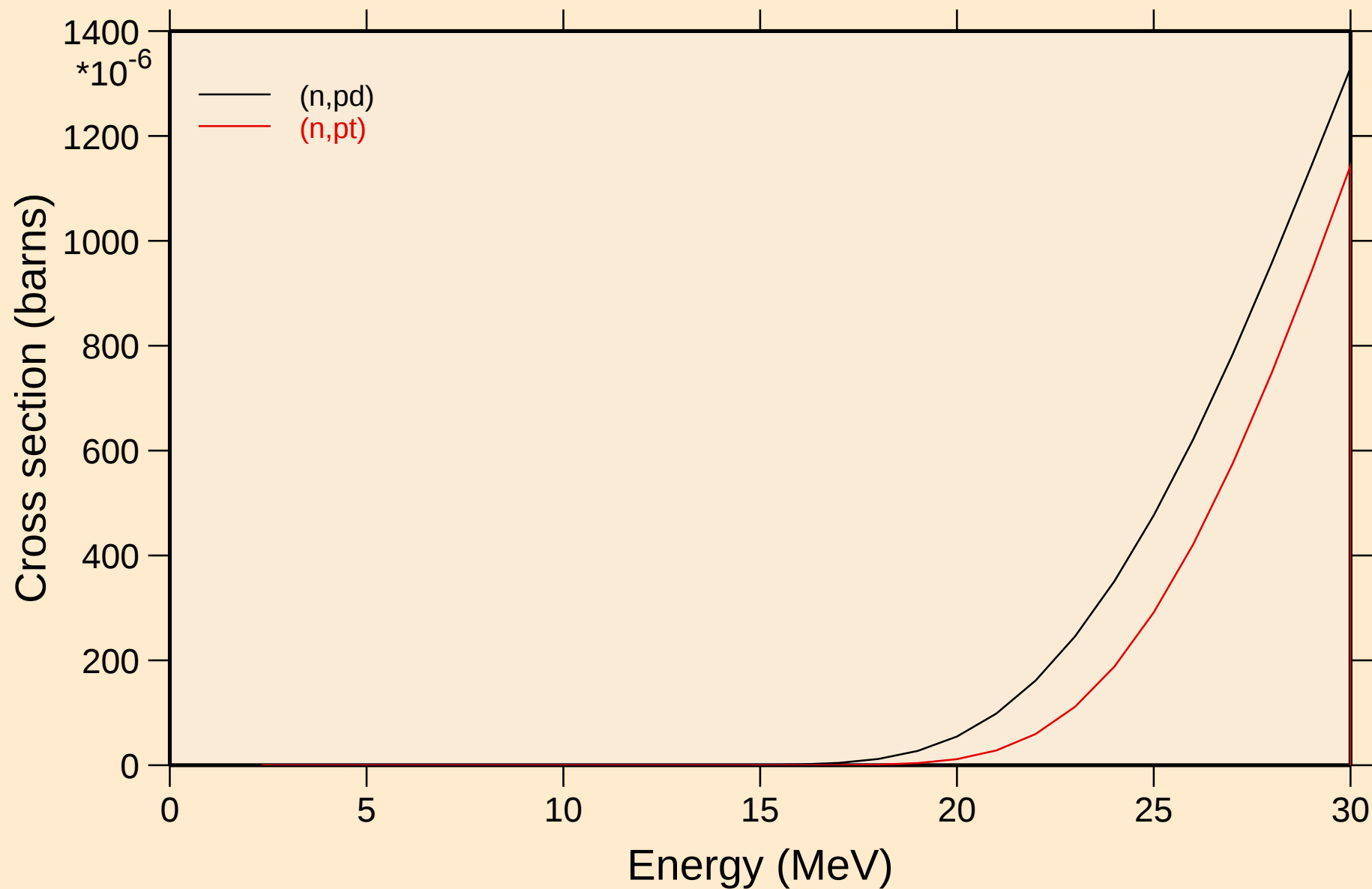
Threshold reactions



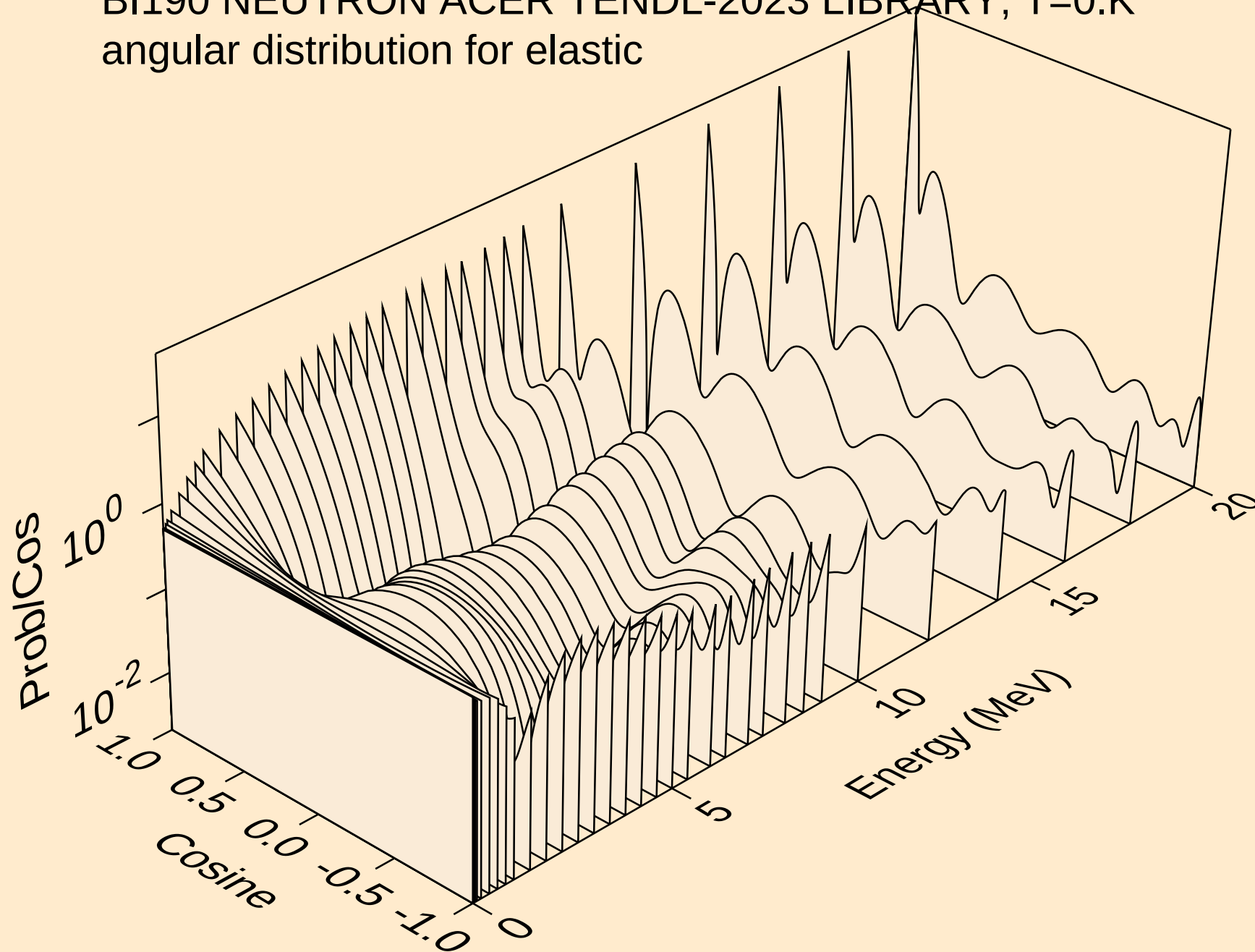
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Threshold reactions



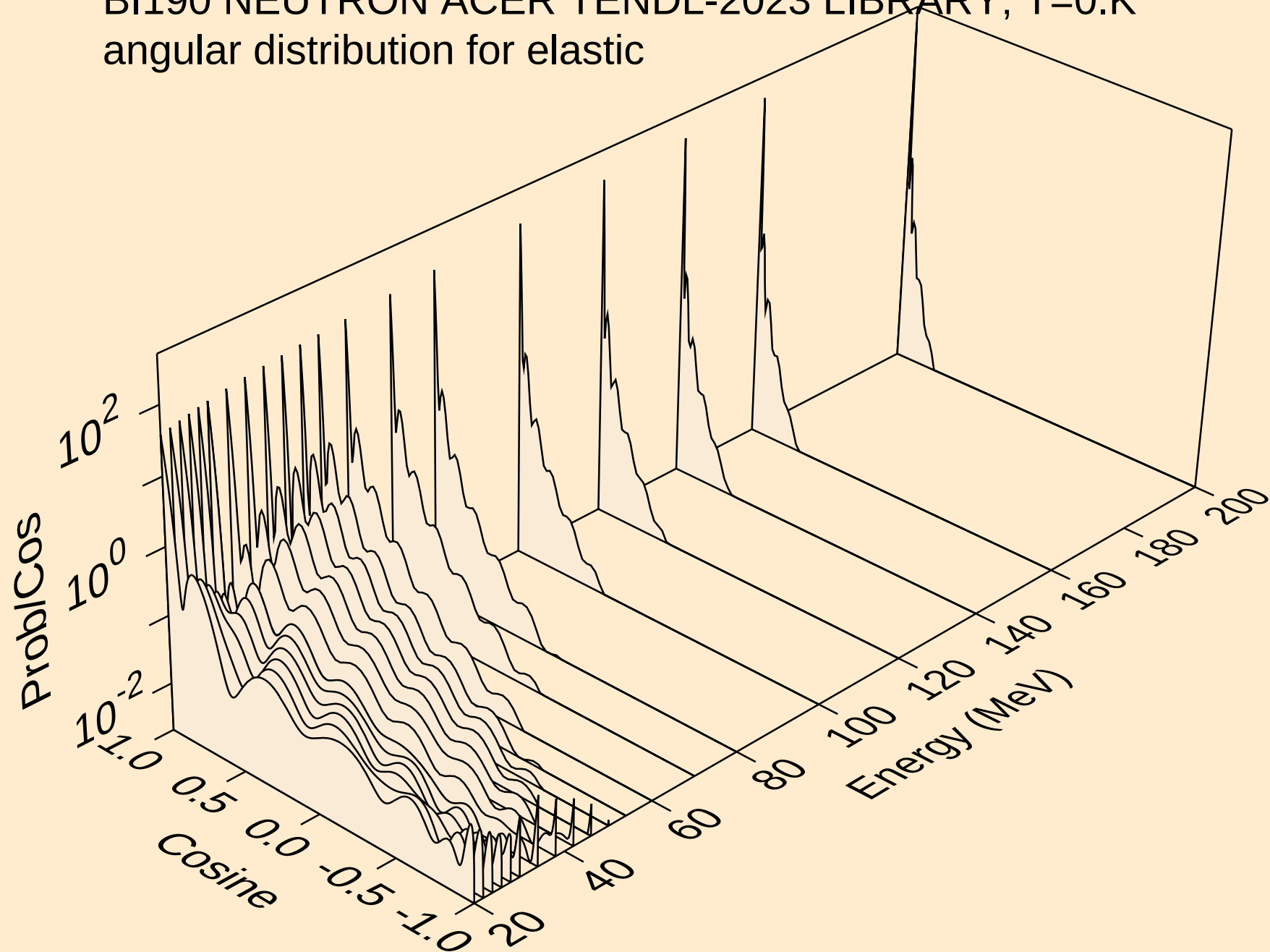
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Threshold reactions



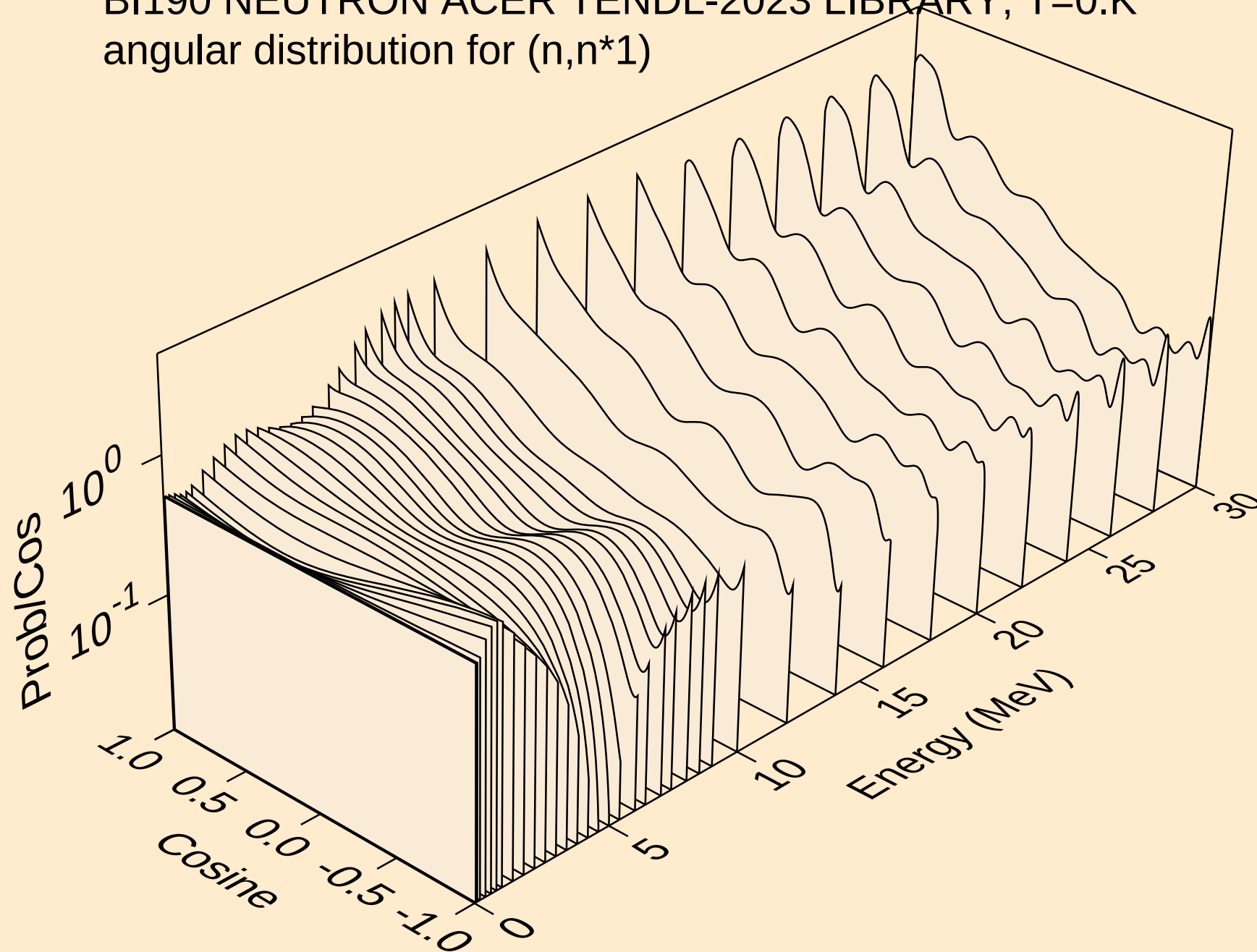
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



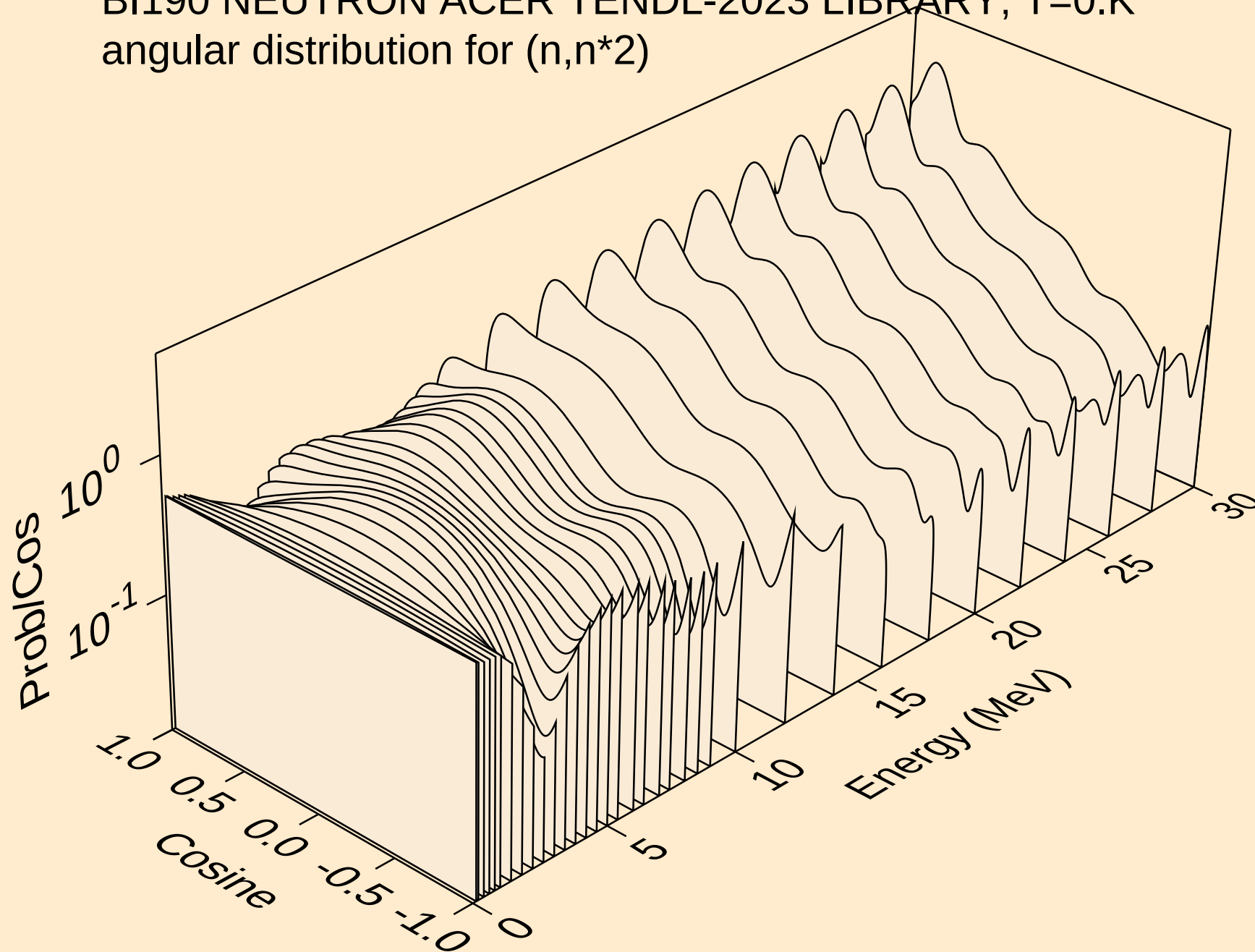
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angular distribution for elastic



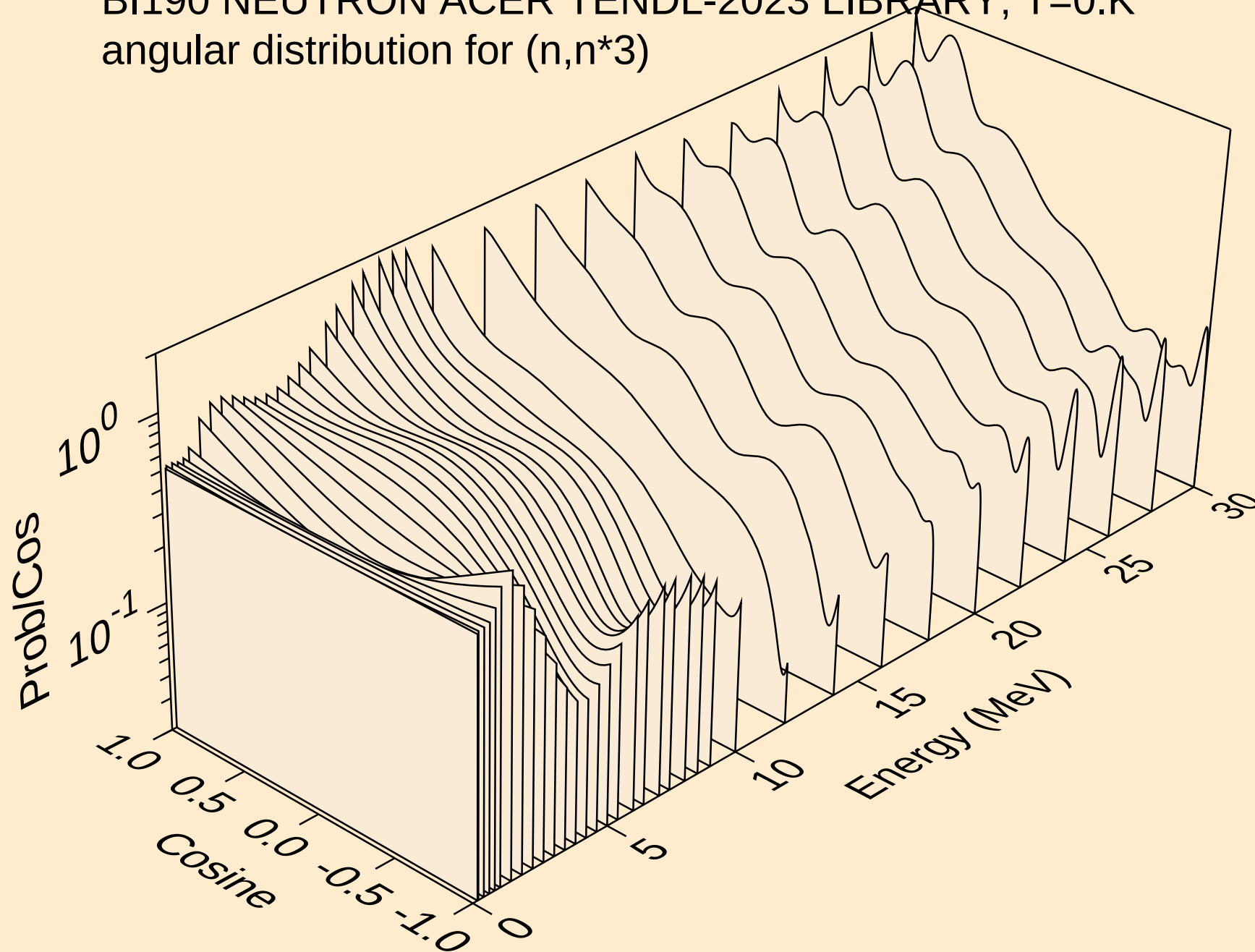
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



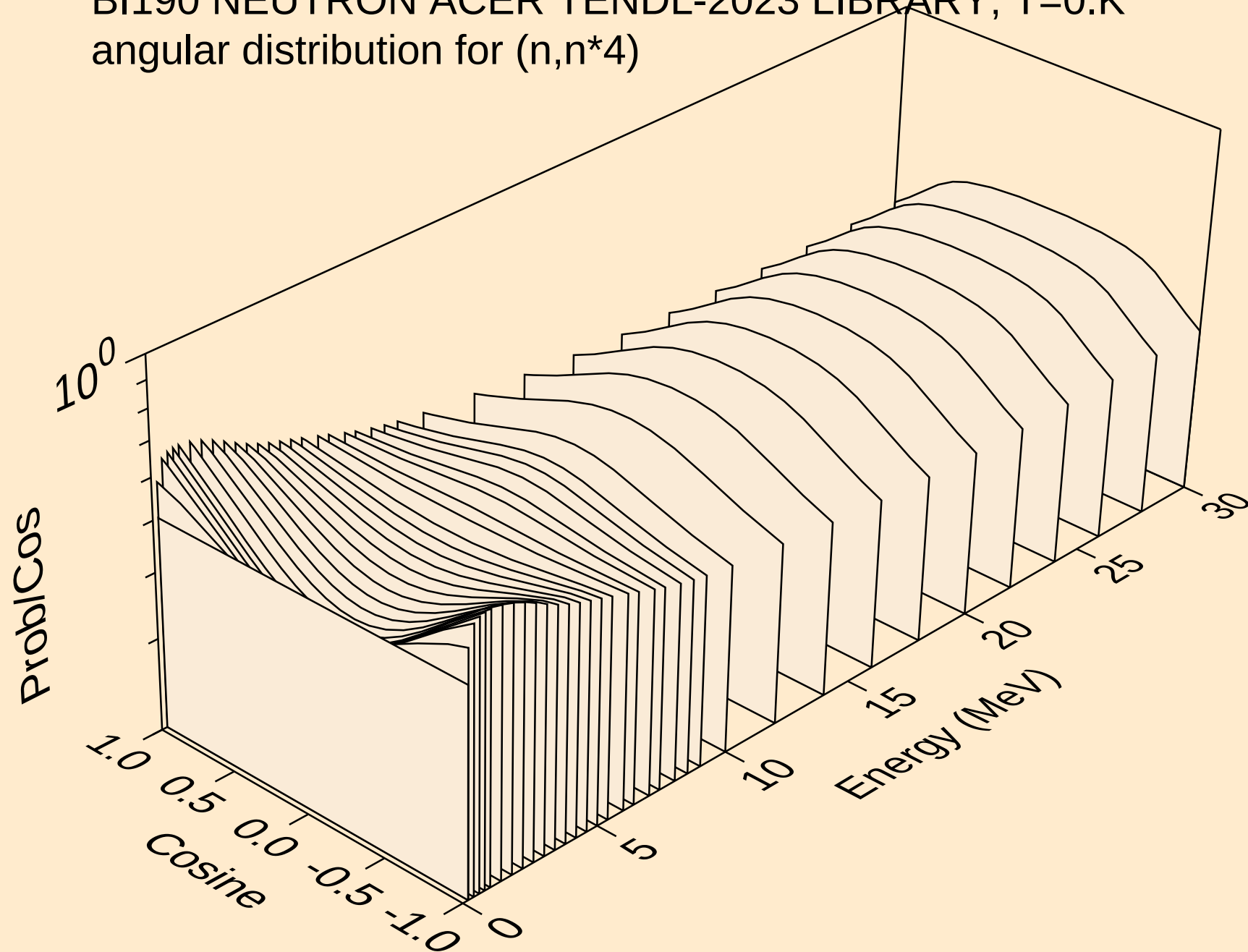
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



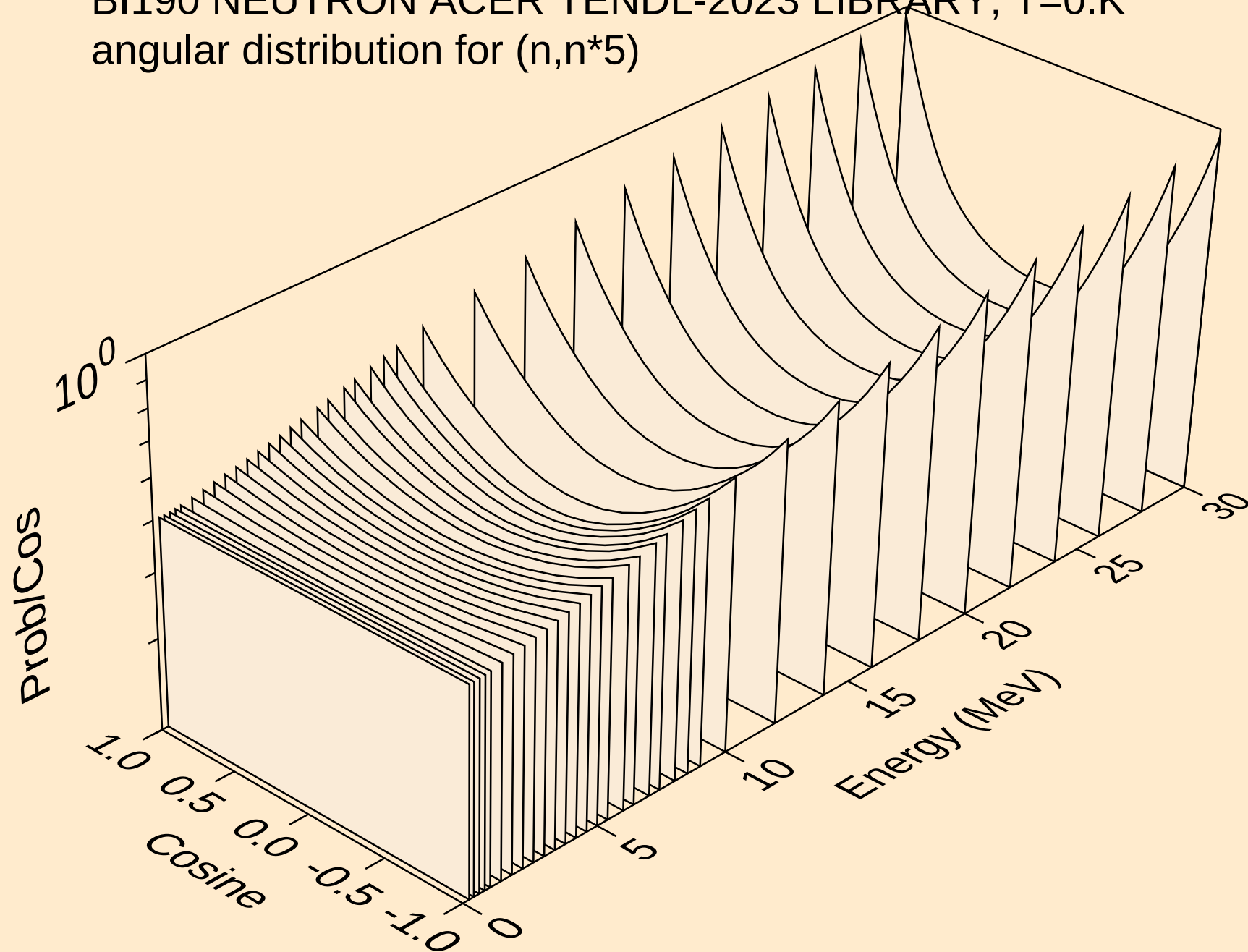
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



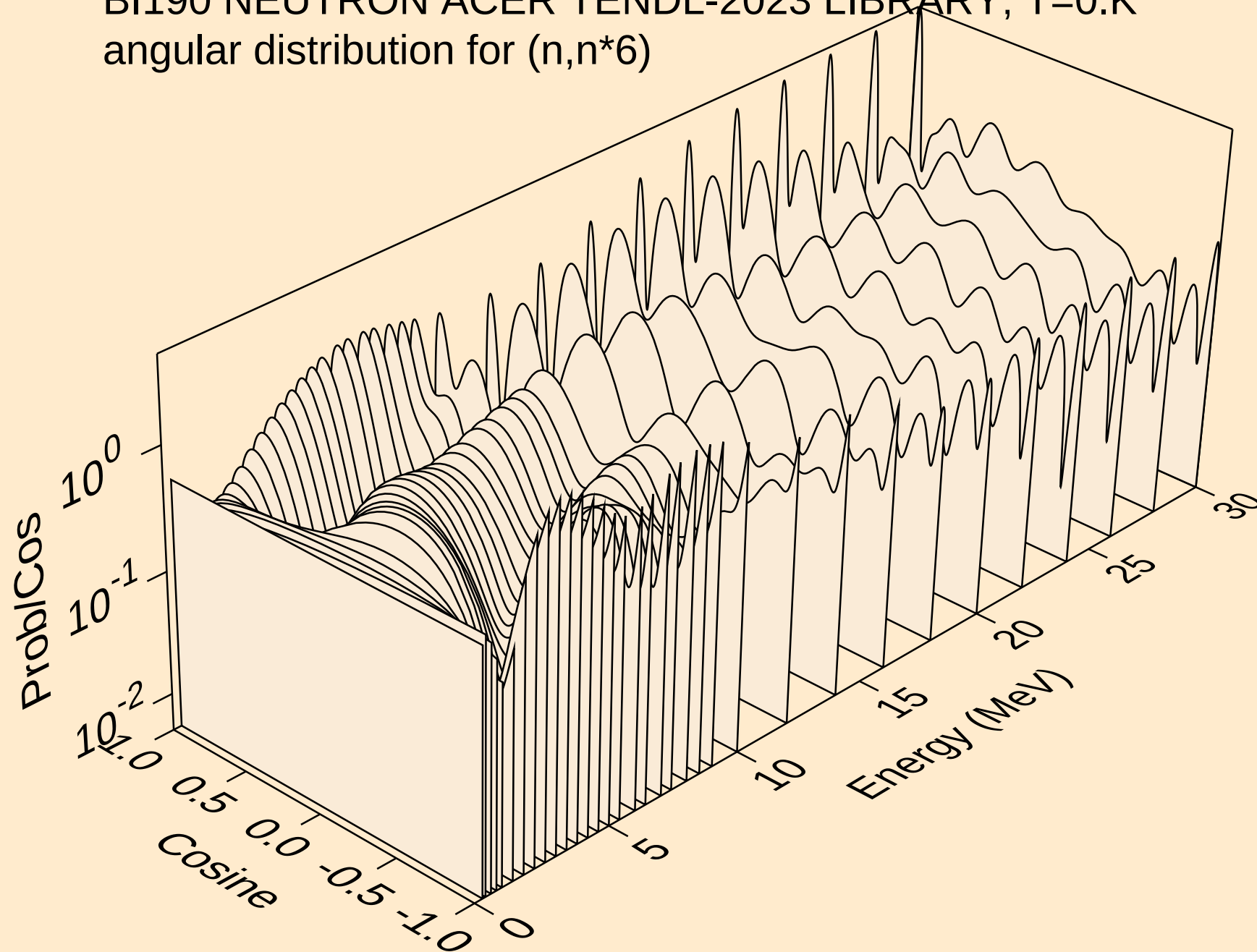
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



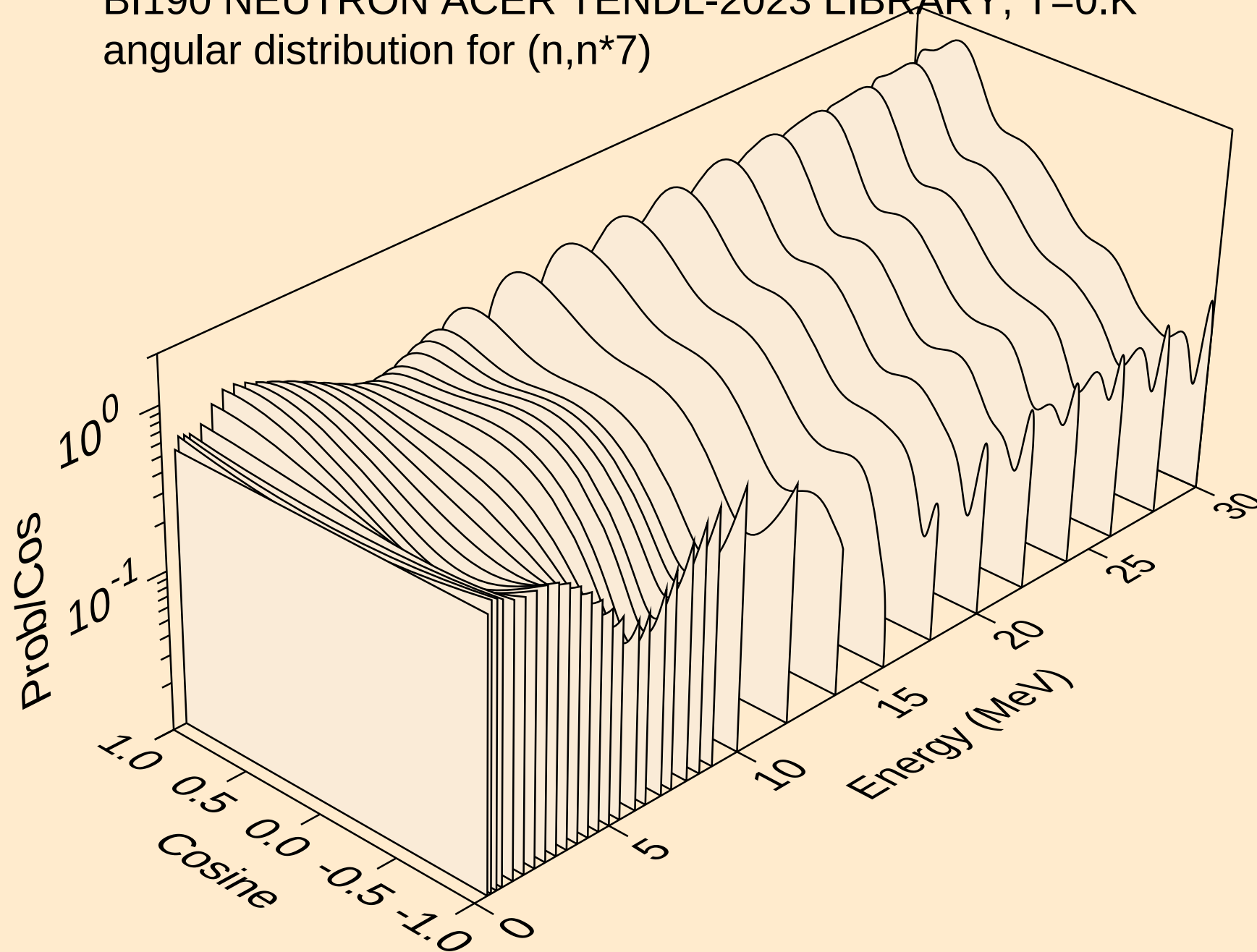
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



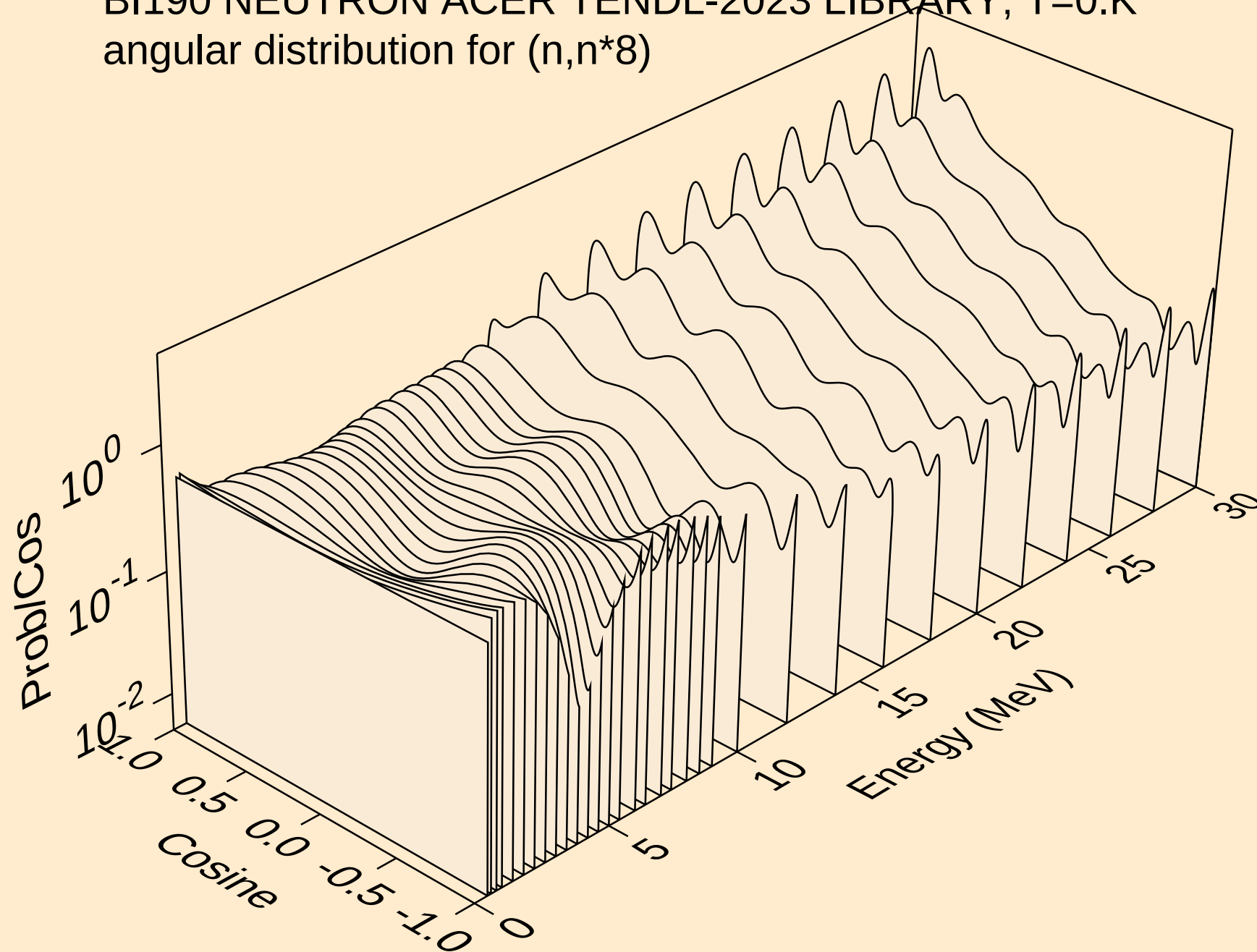
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
angular distribution for (n,n*6)



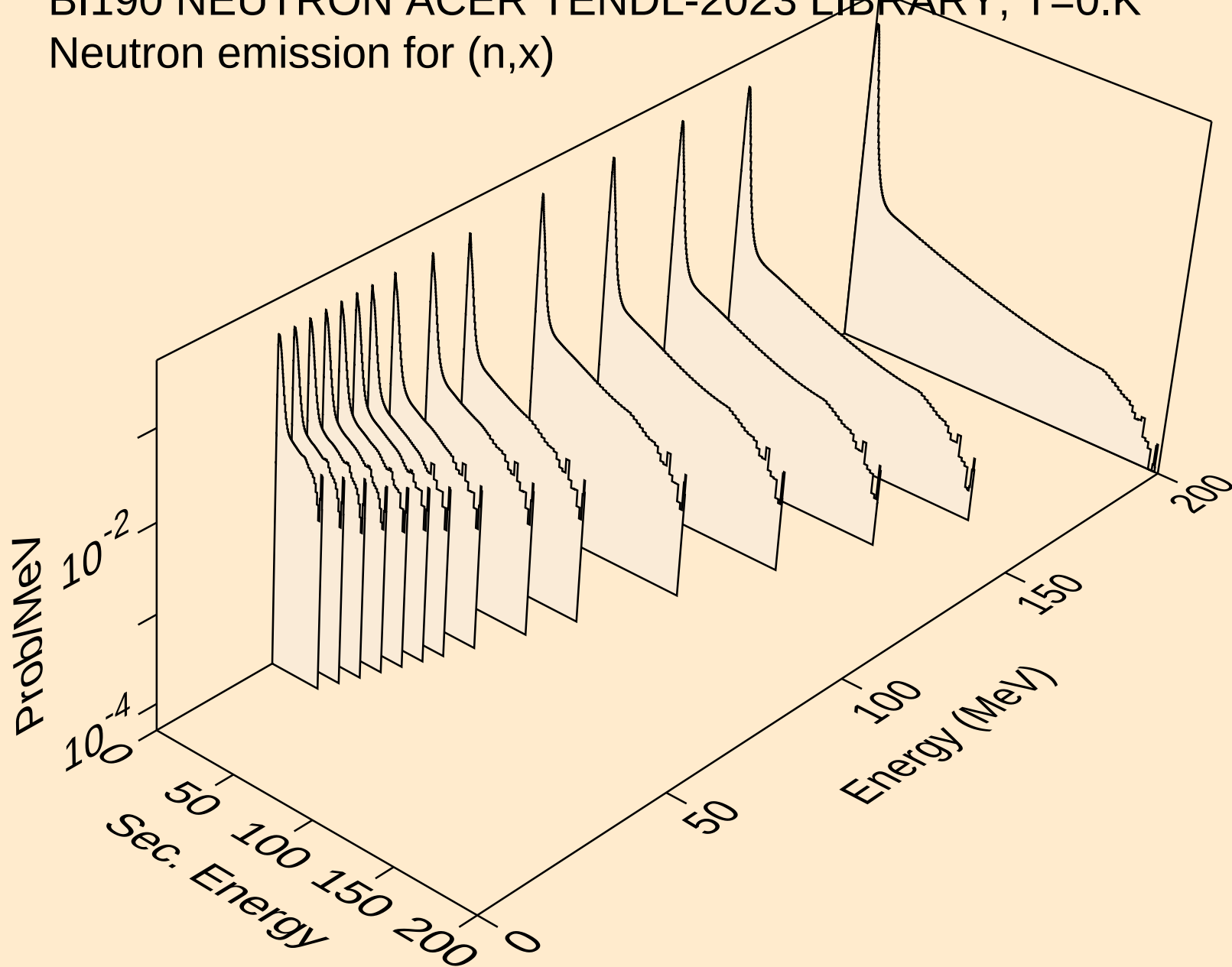
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angular distribution for (n,n*7)



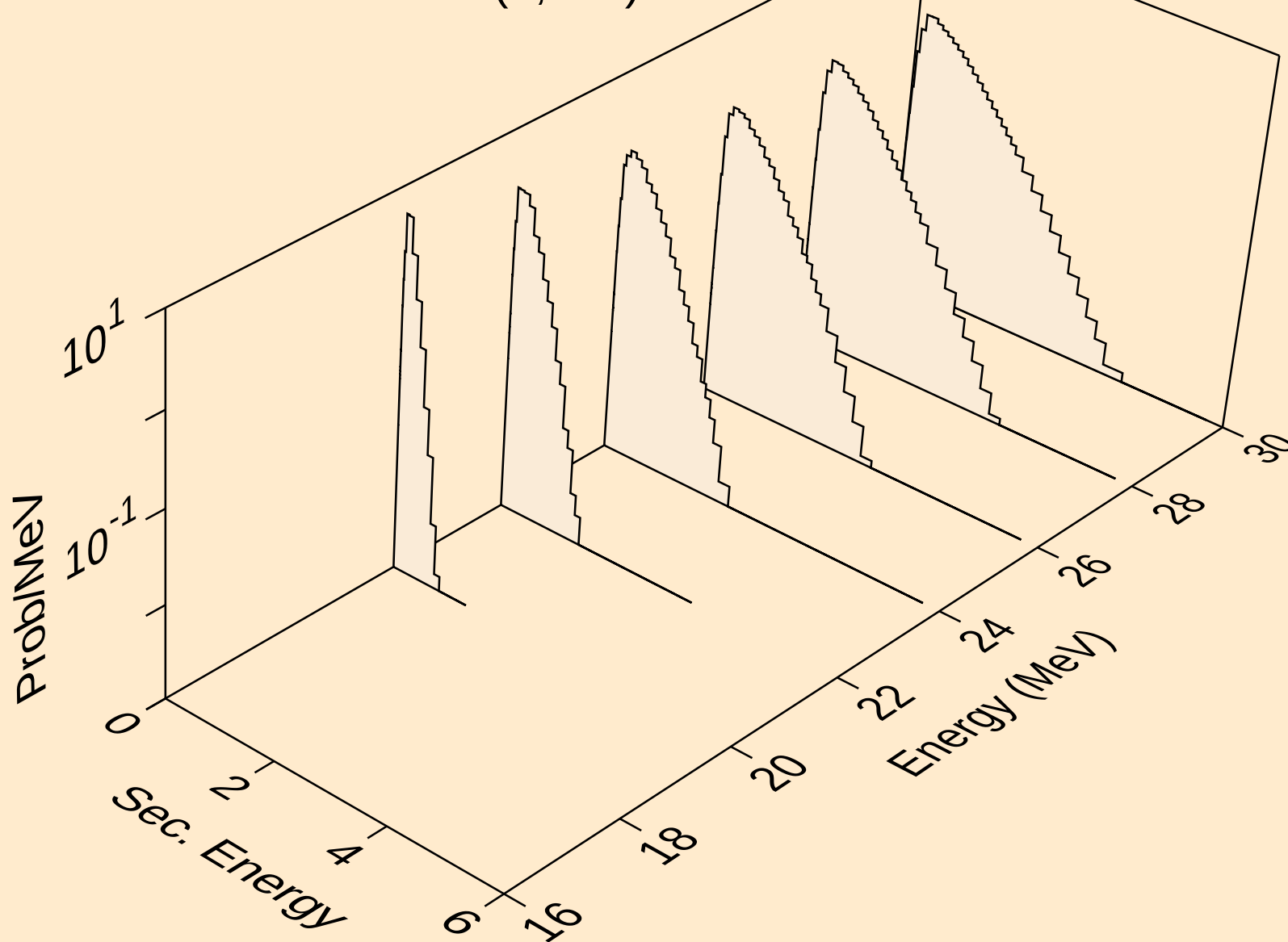
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



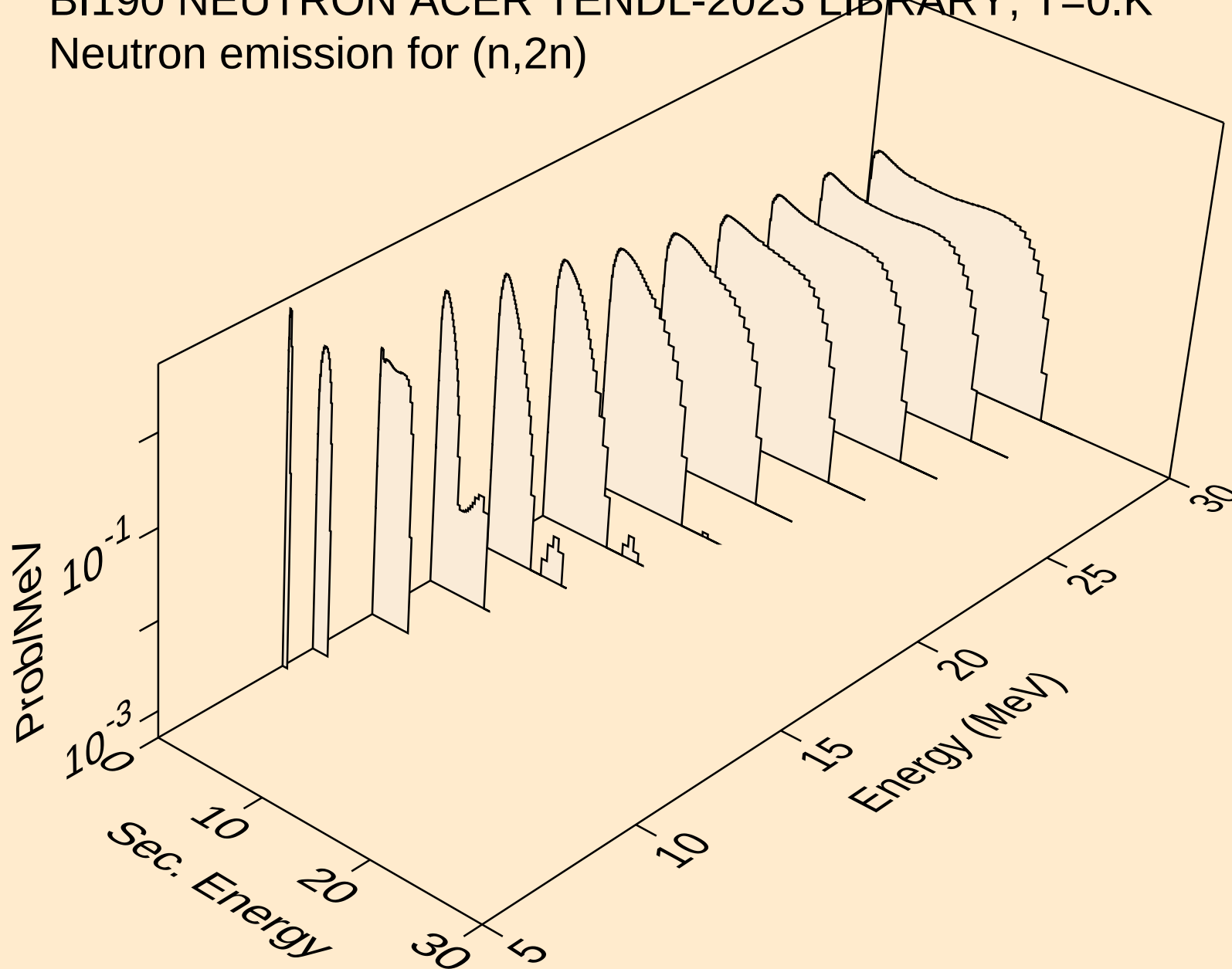
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



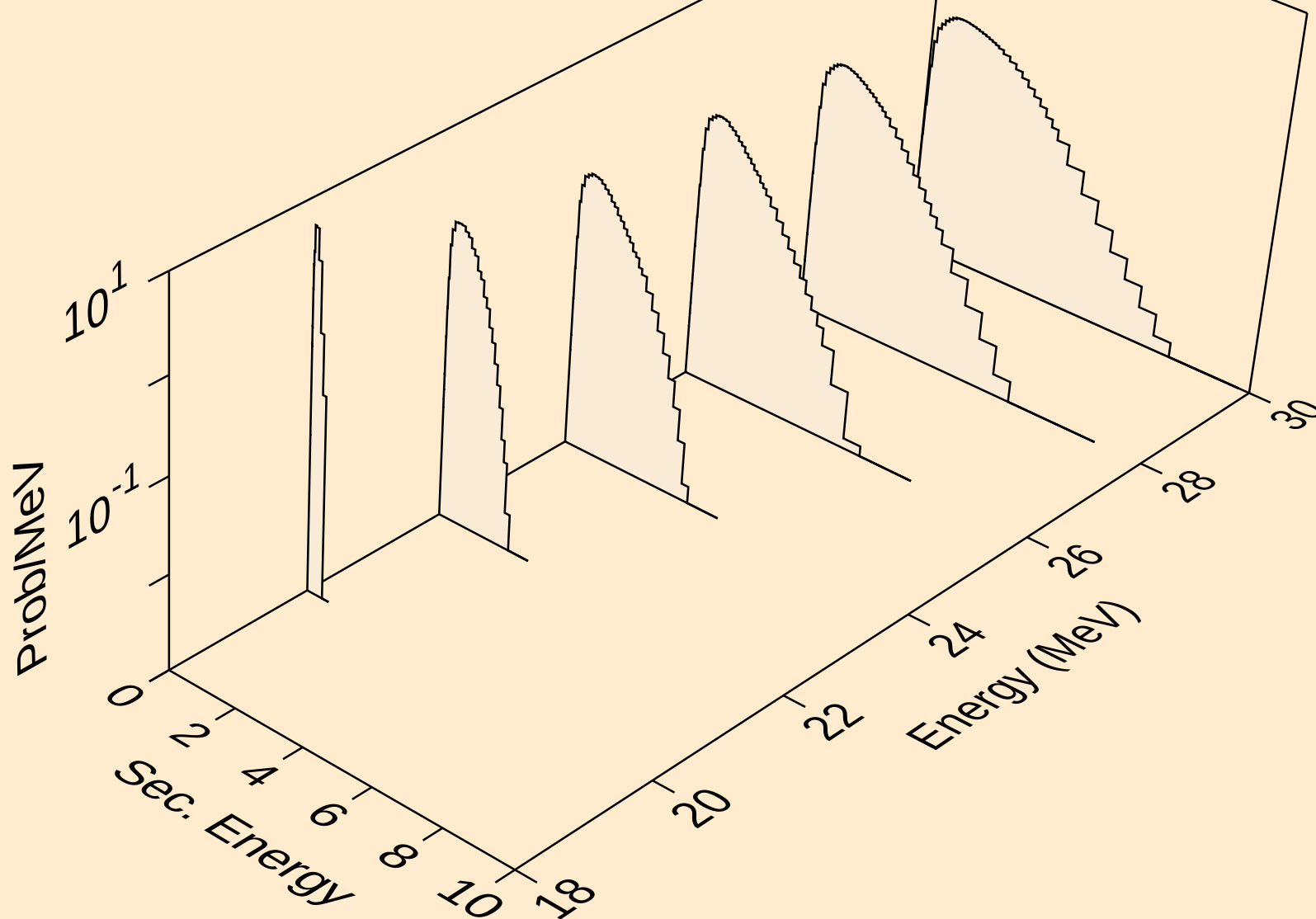
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



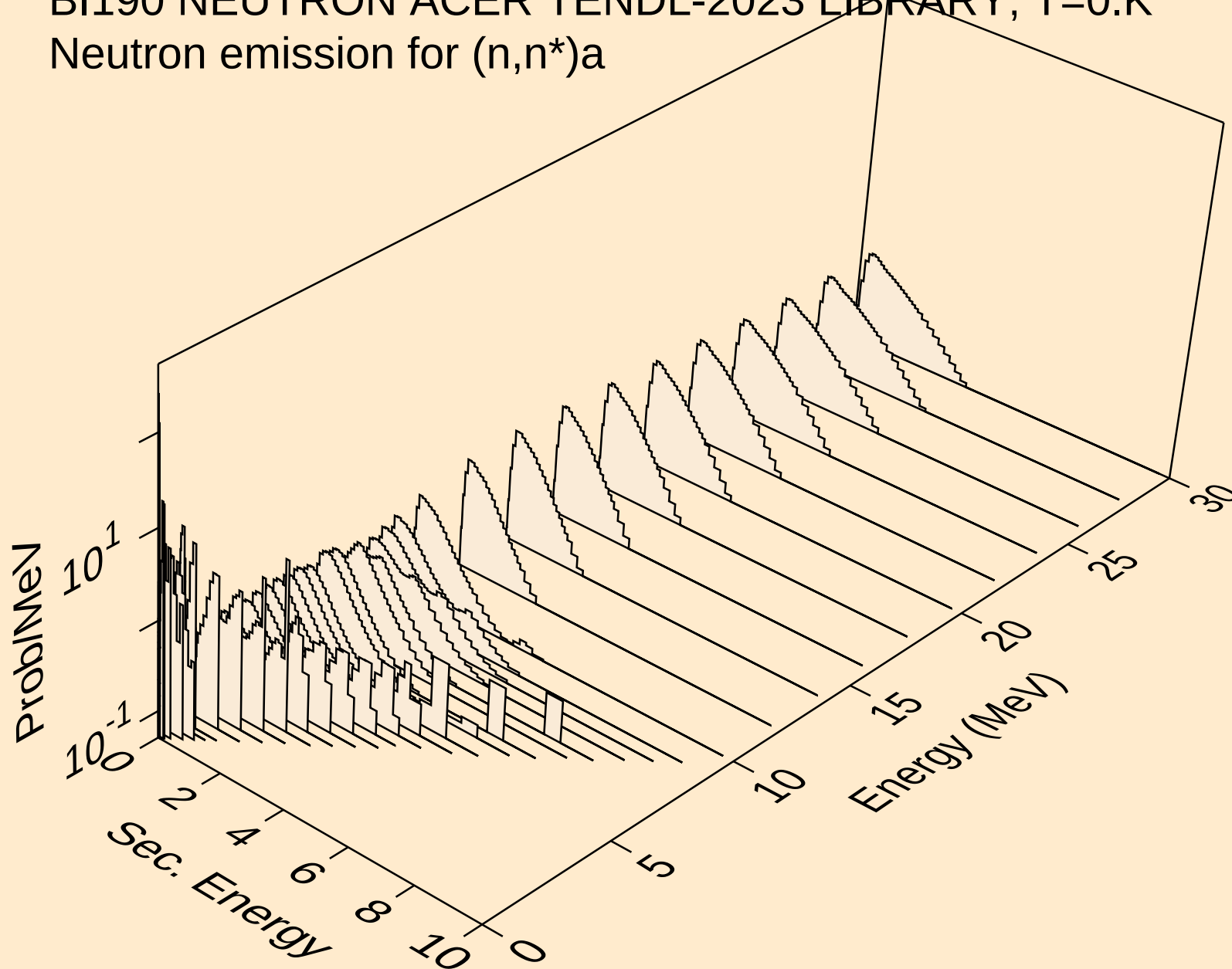
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



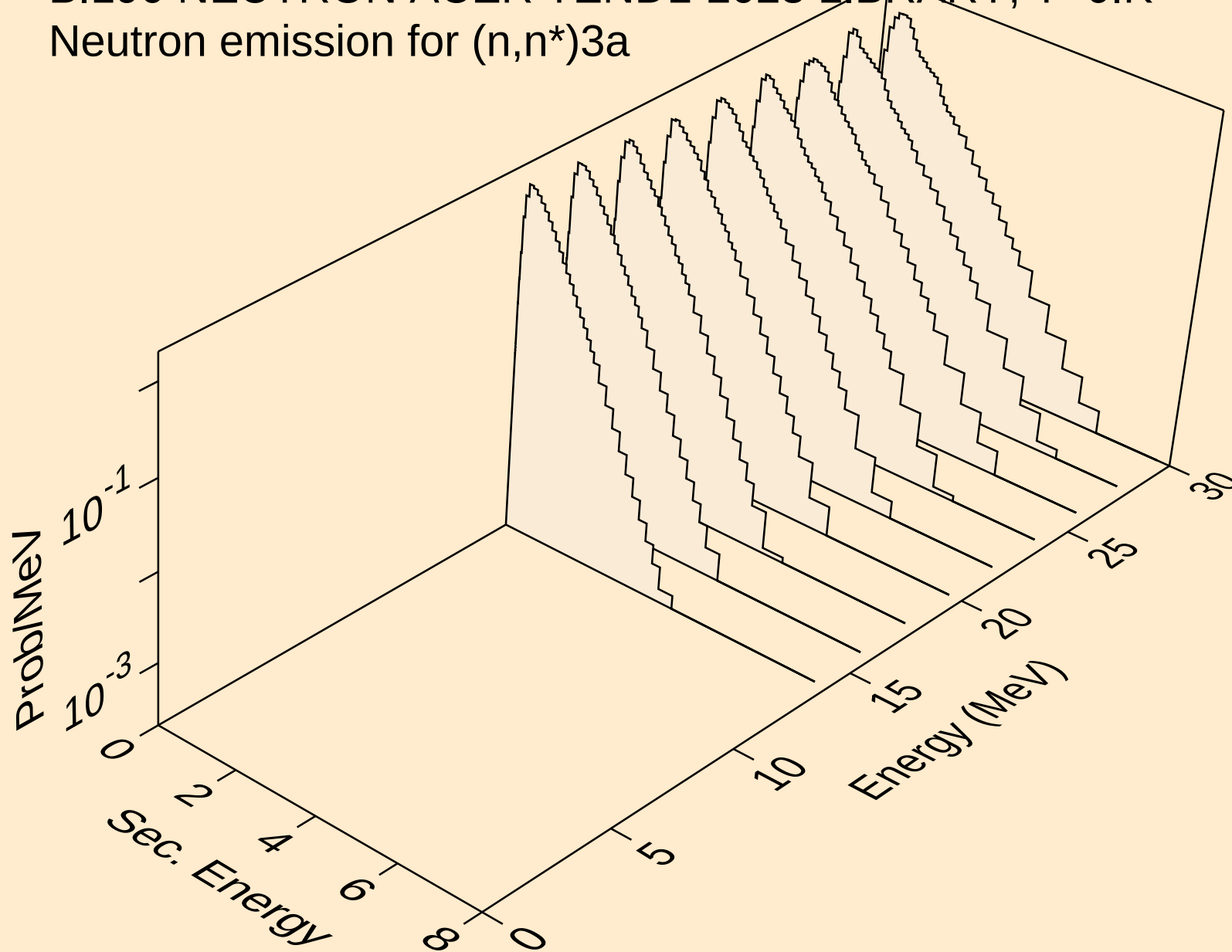
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



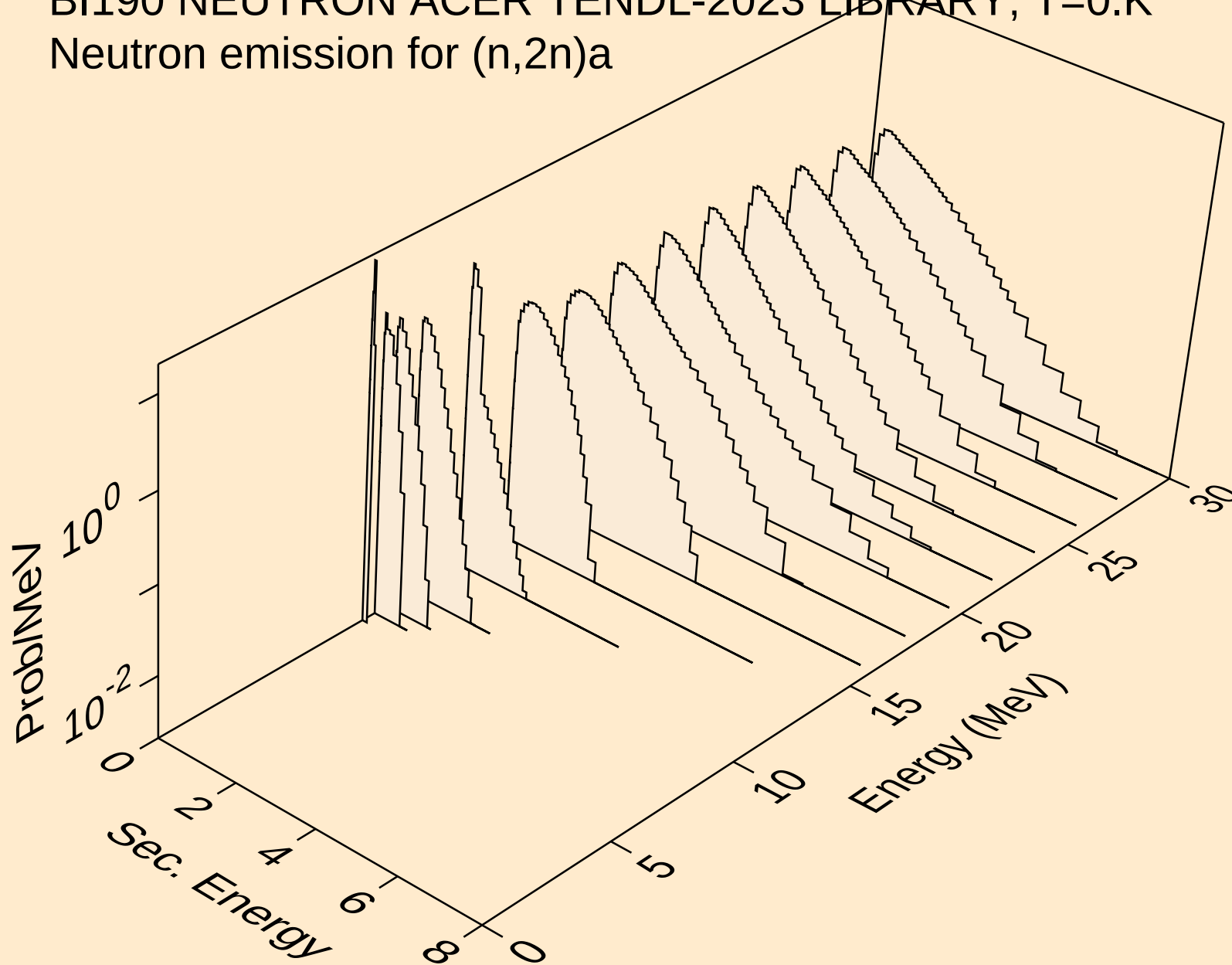
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



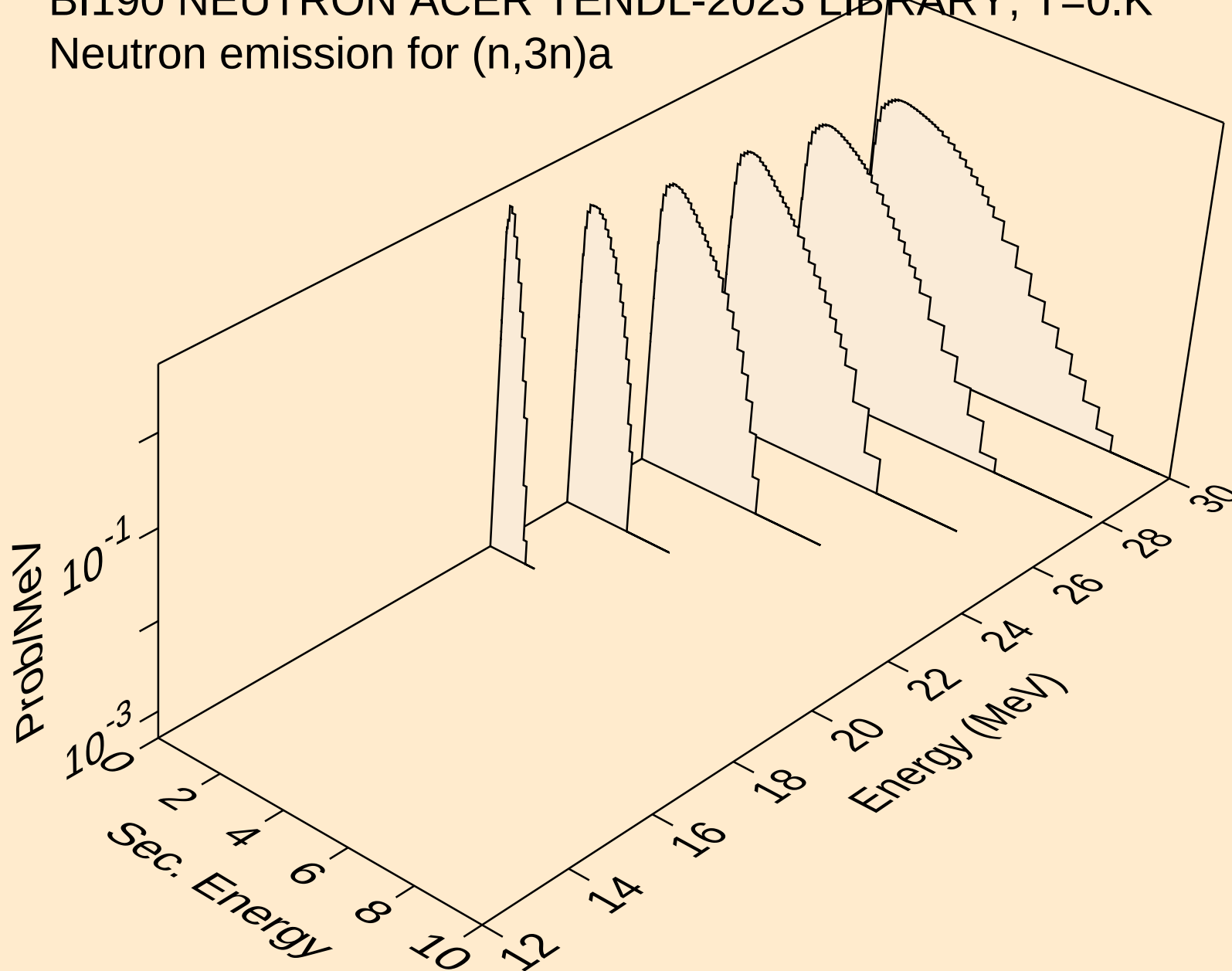
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)³a



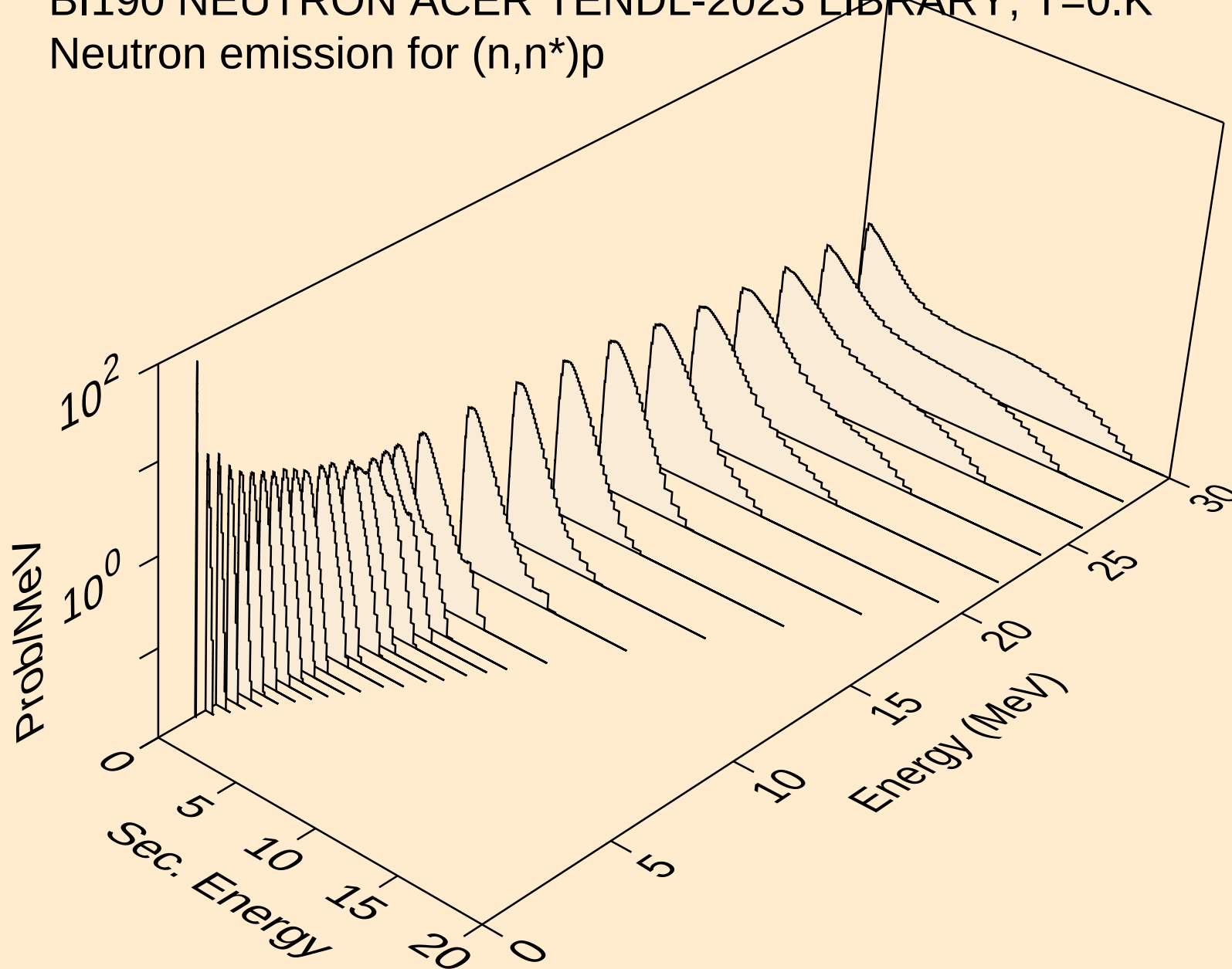
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



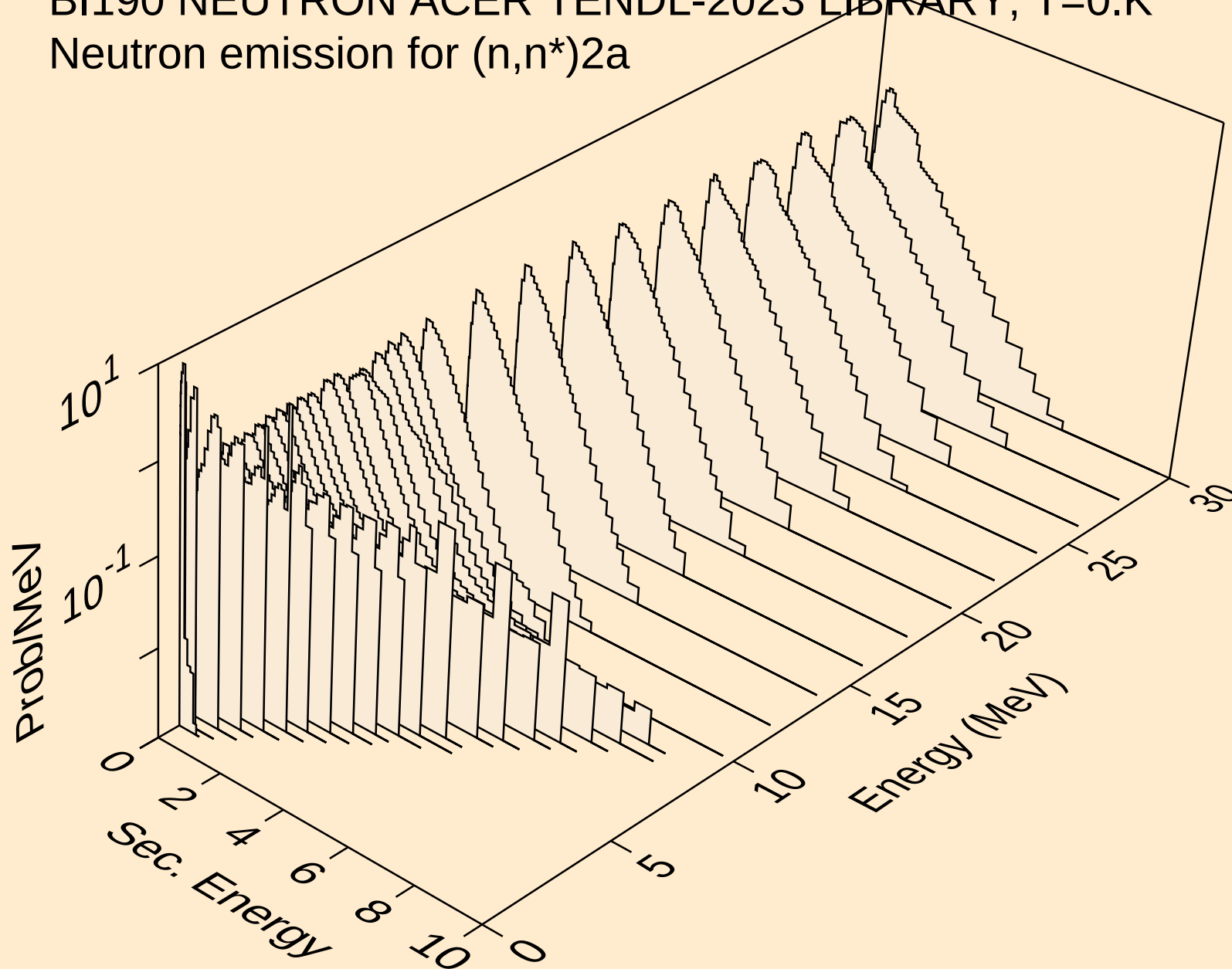
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



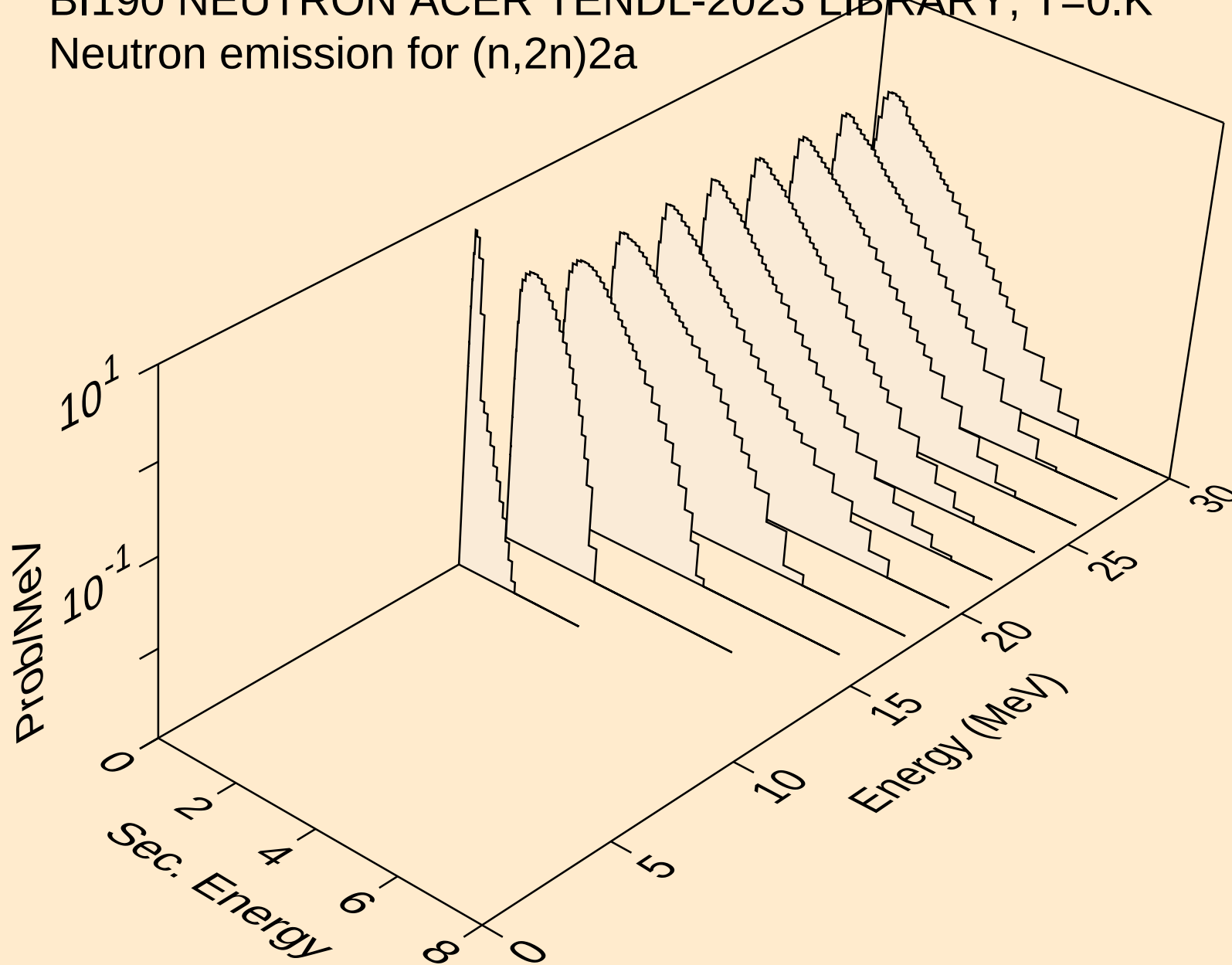
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



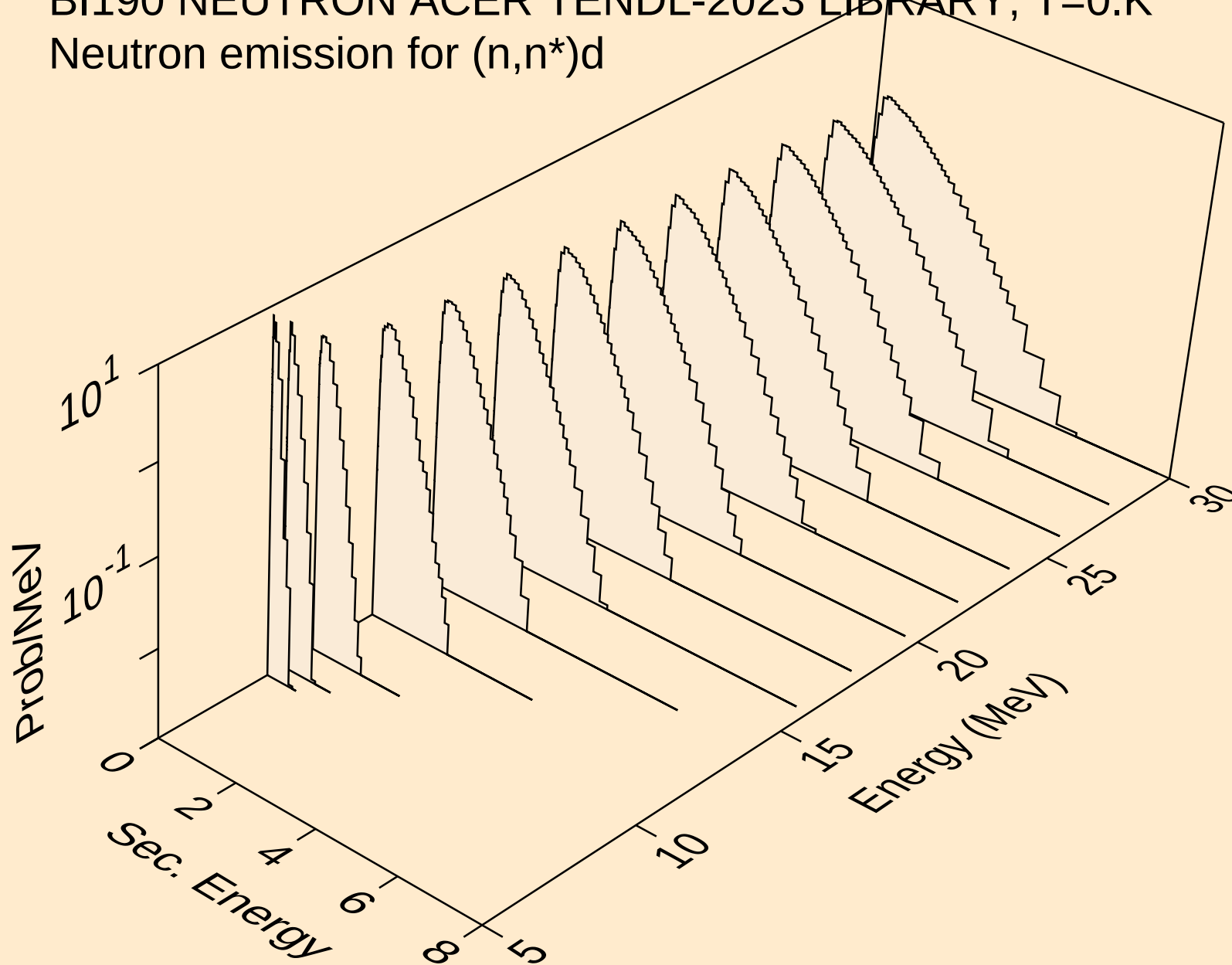
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



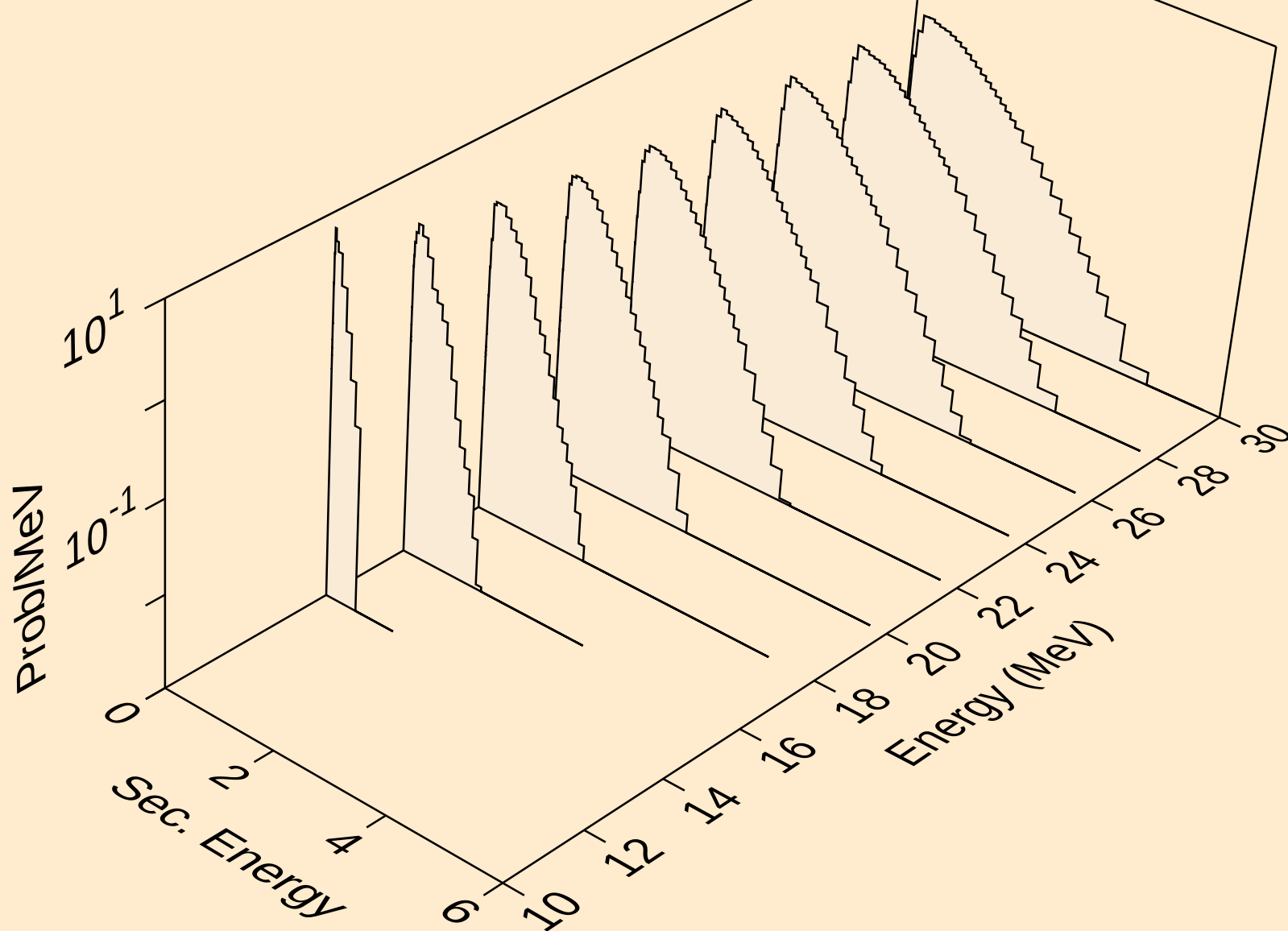
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



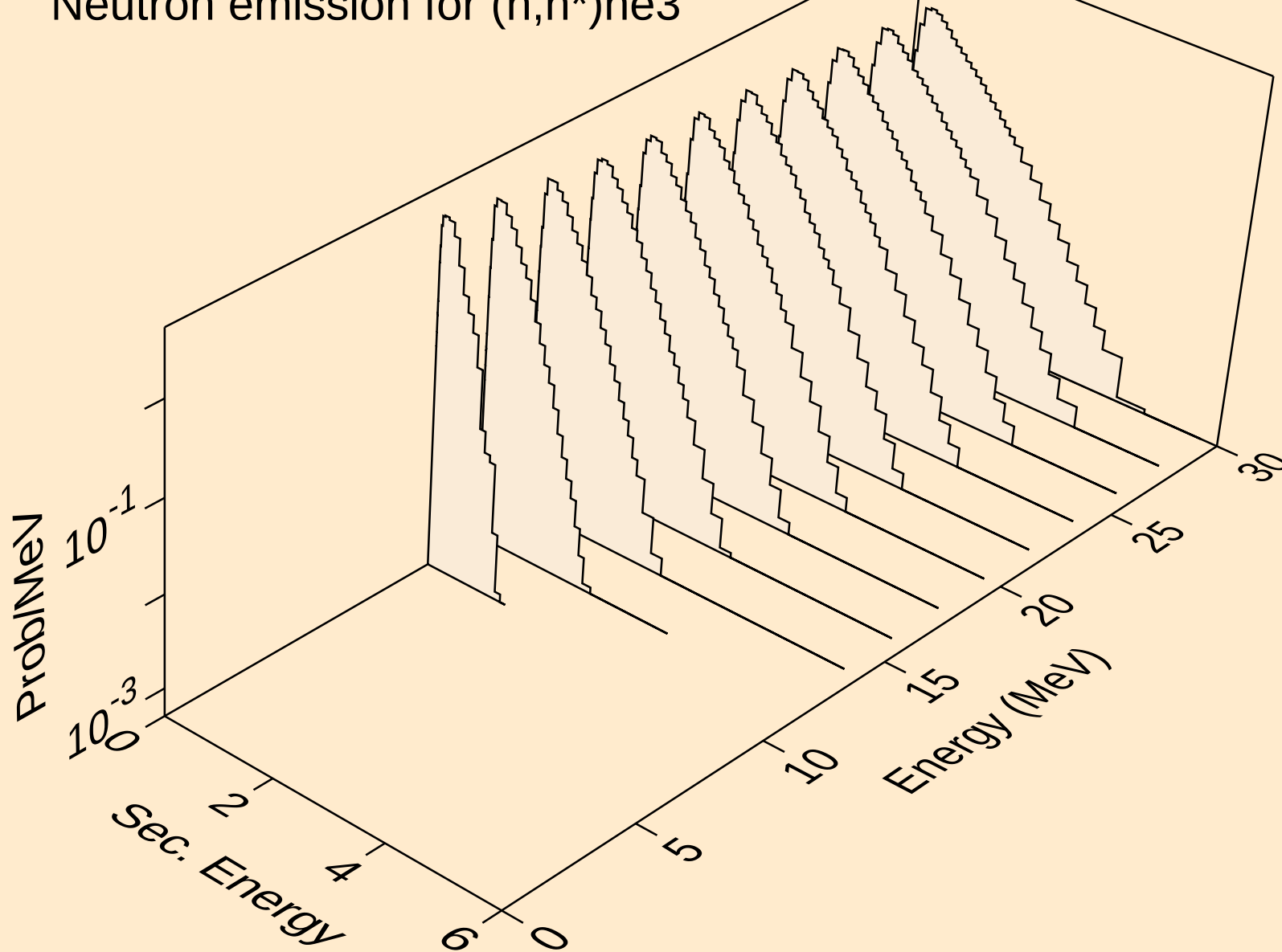
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



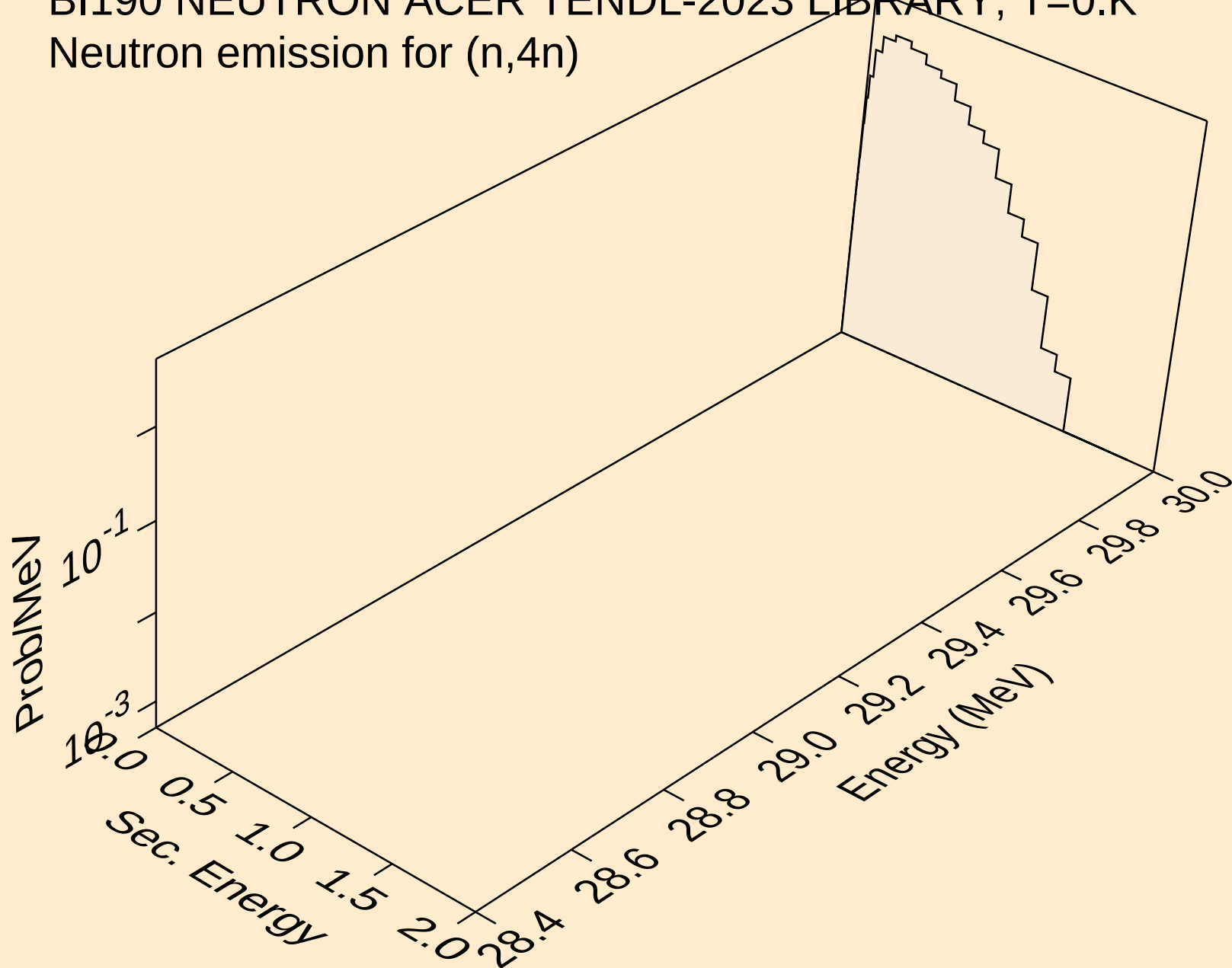
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



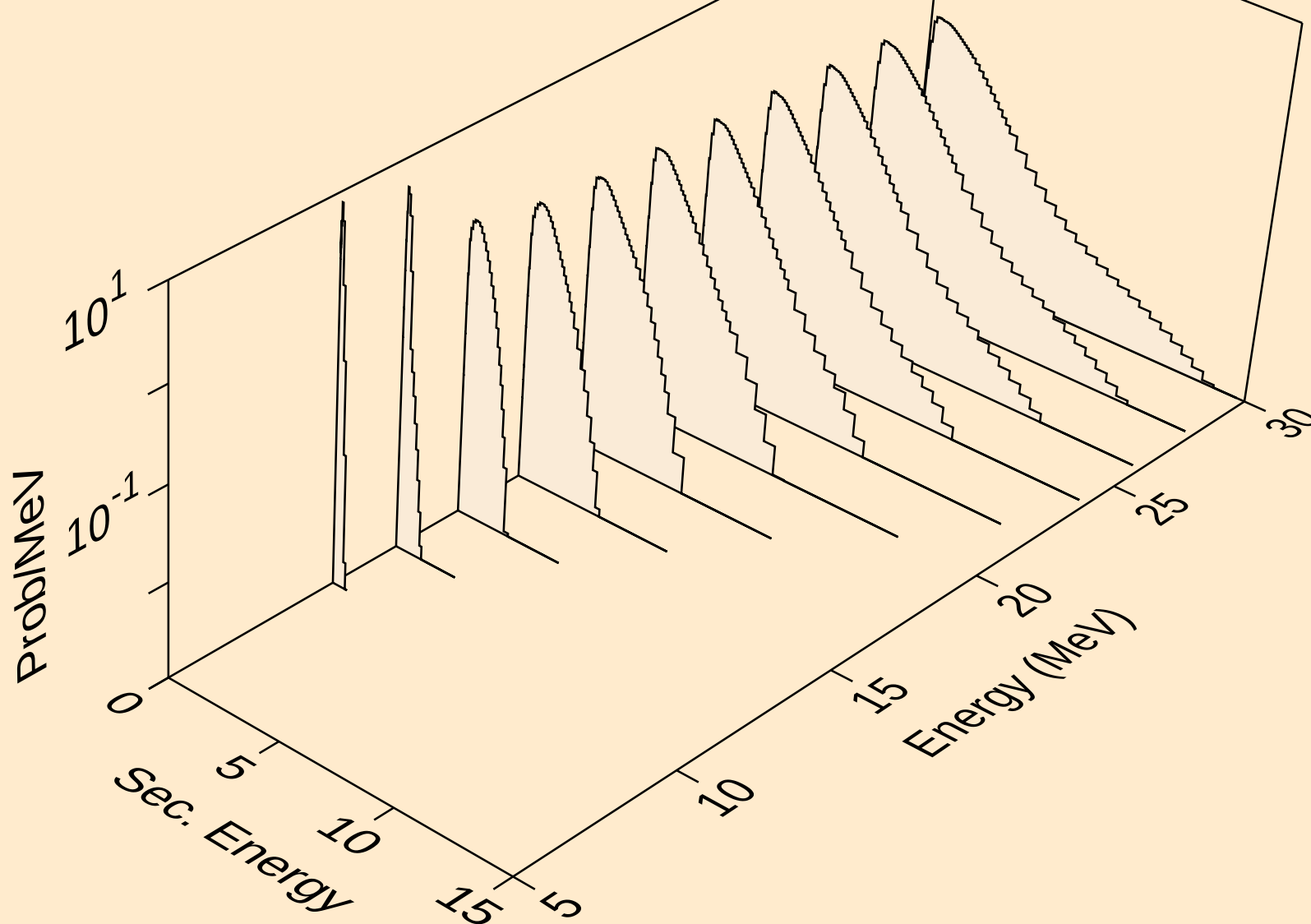
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



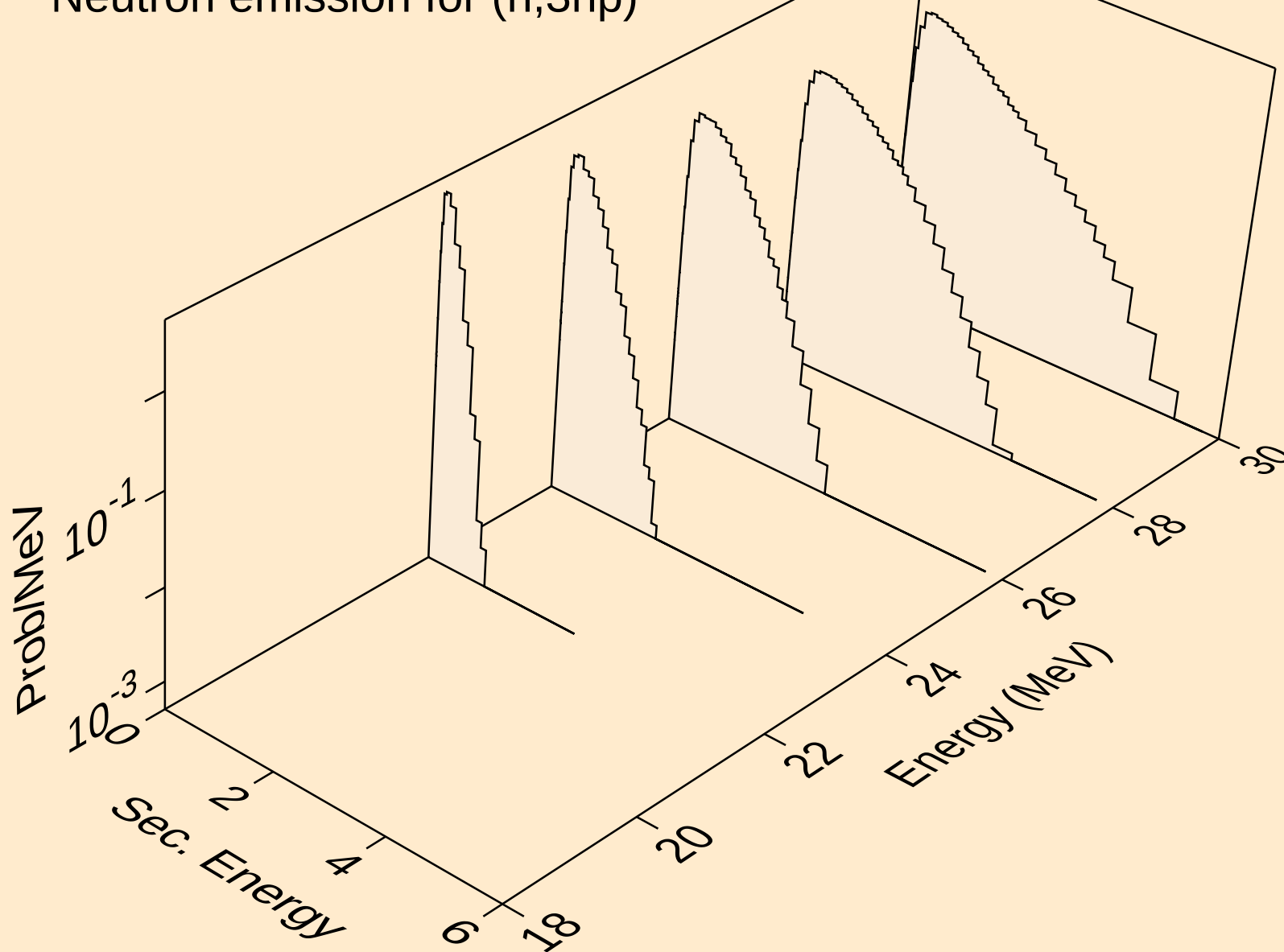
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



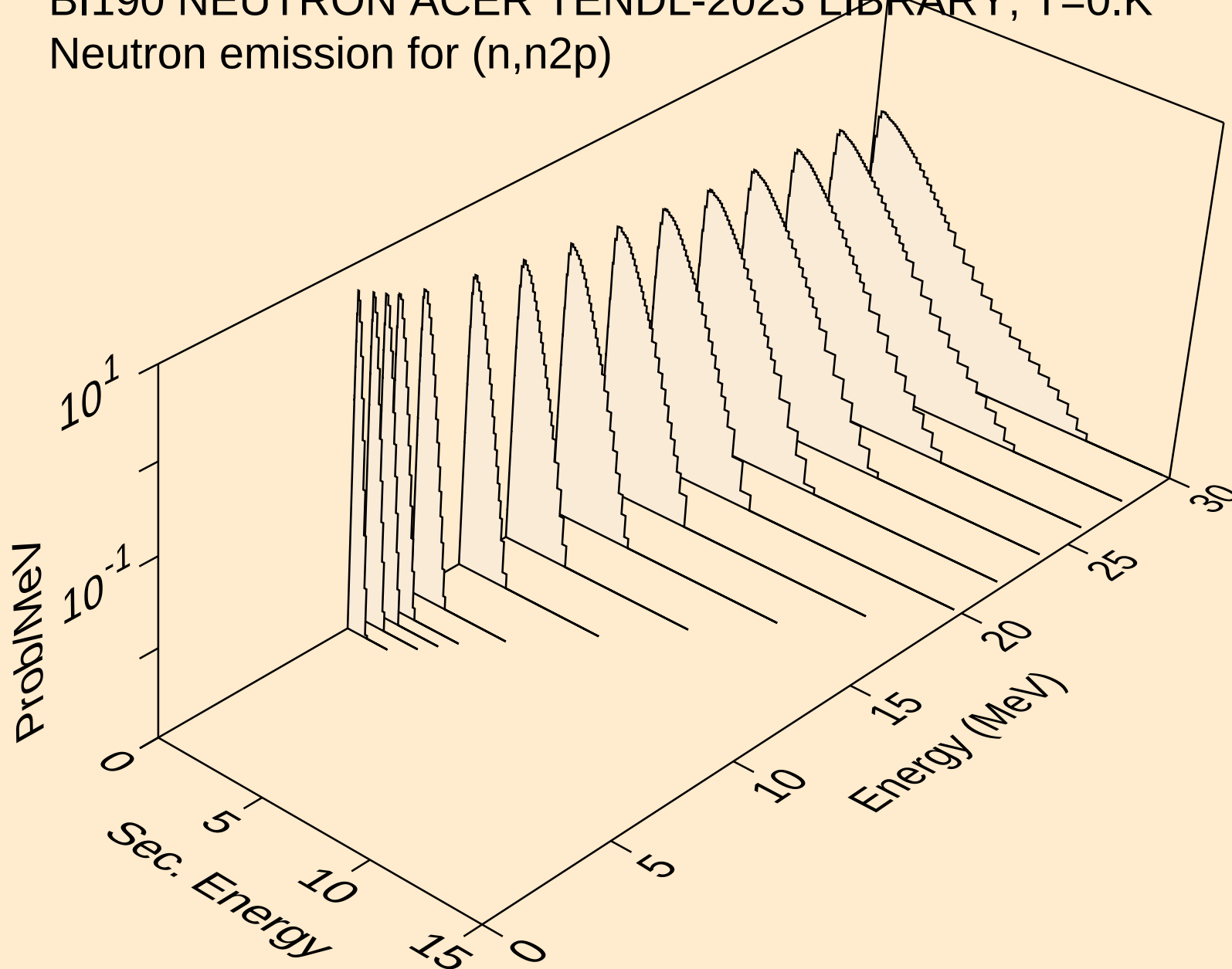
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



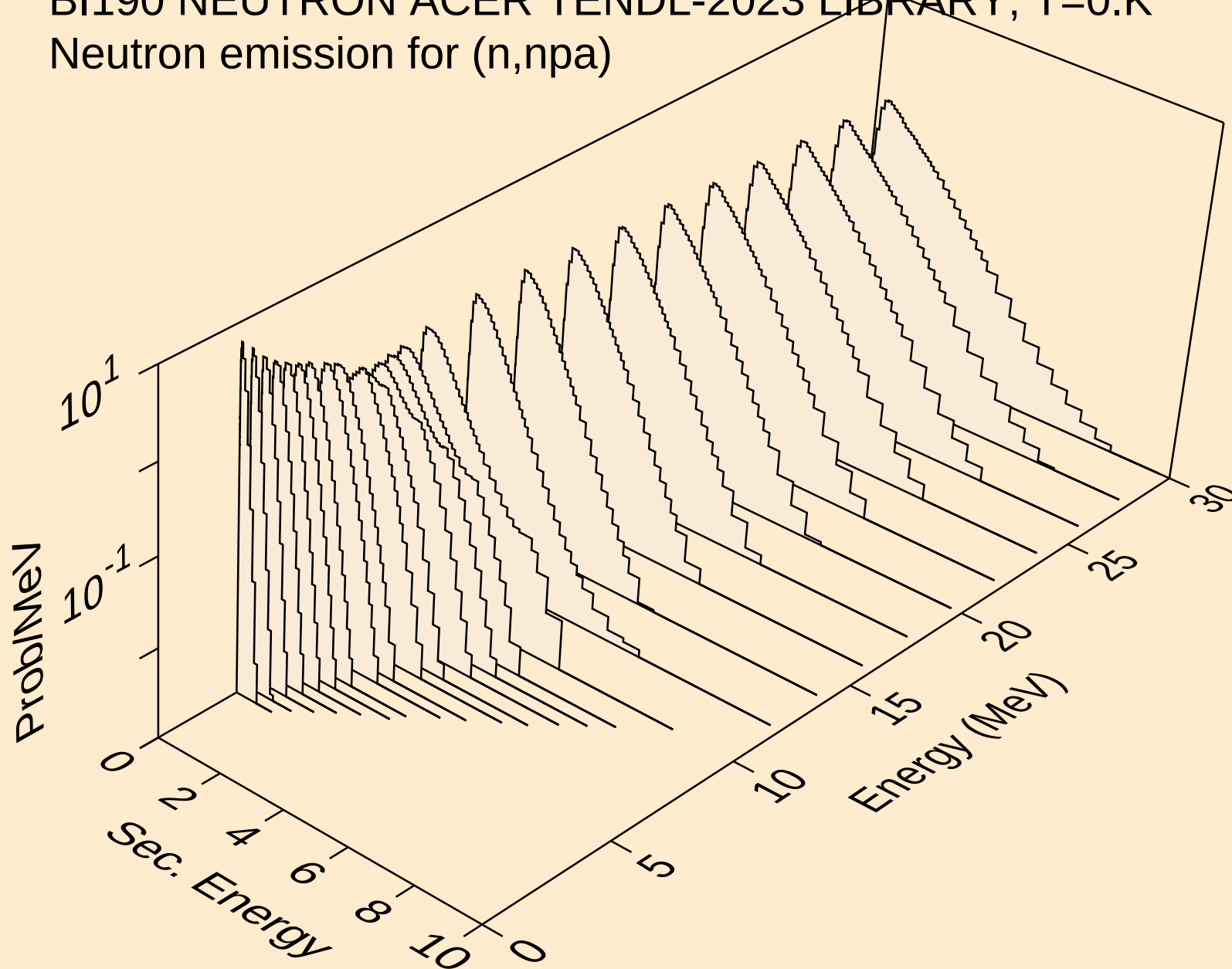
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



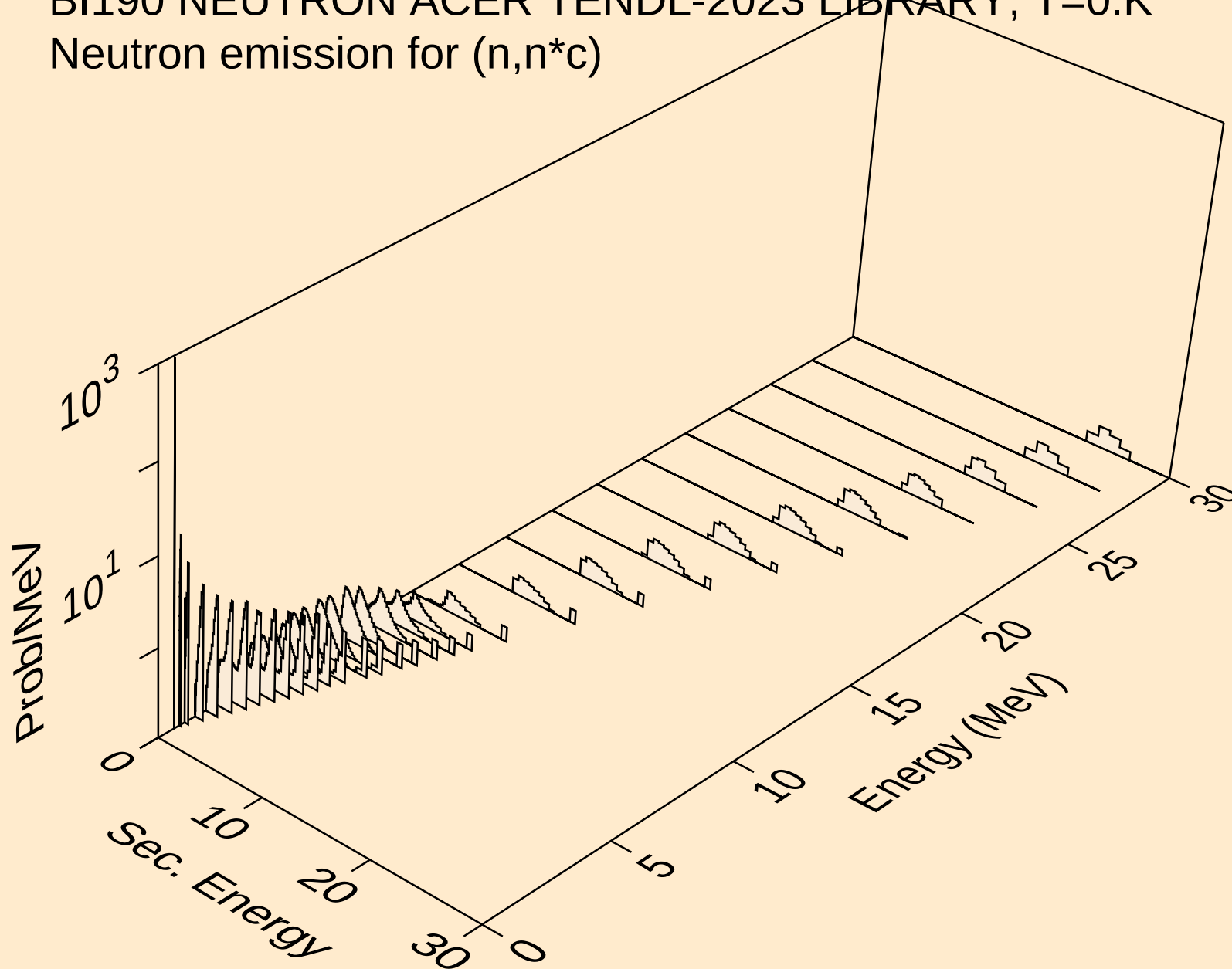
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



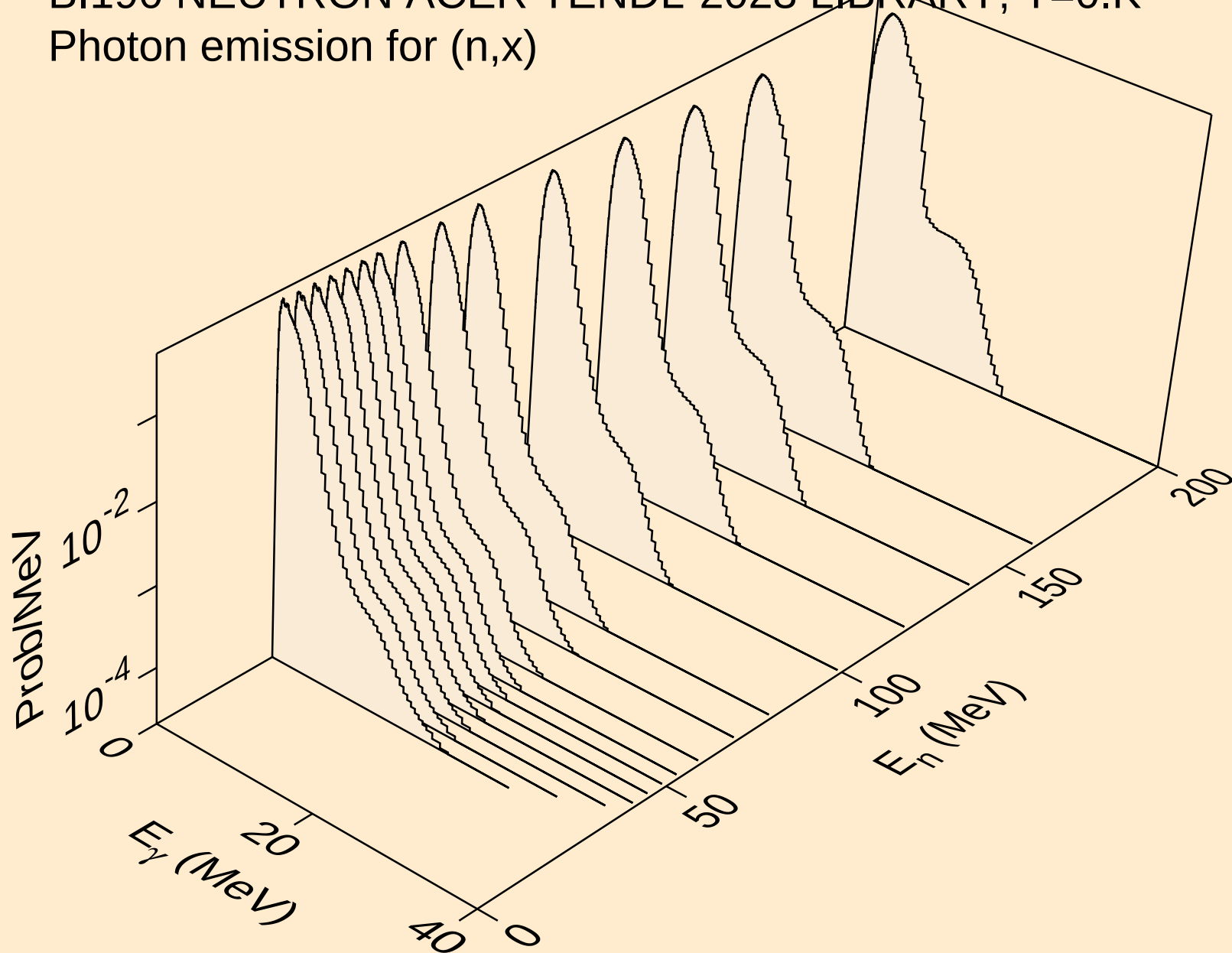
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



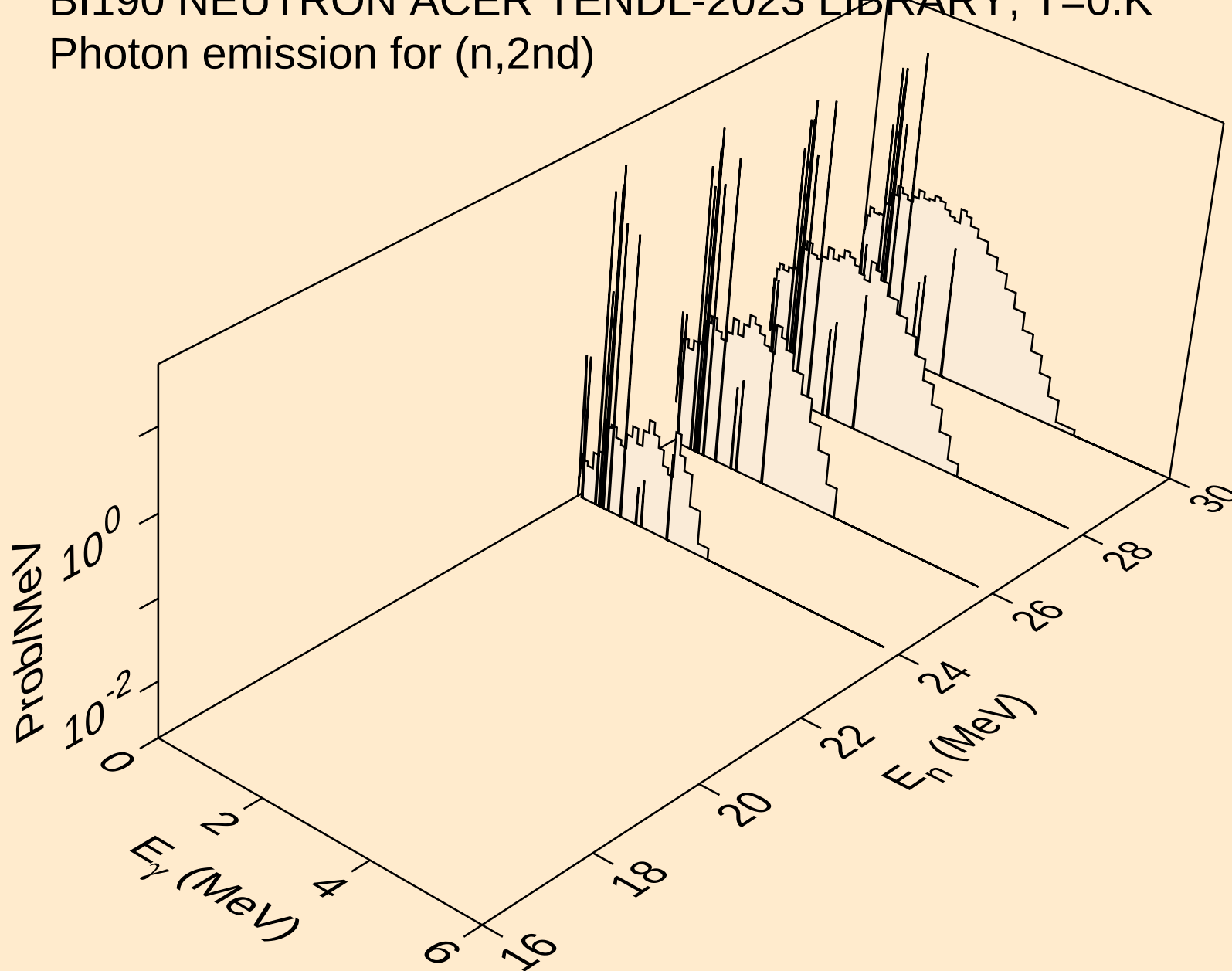
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



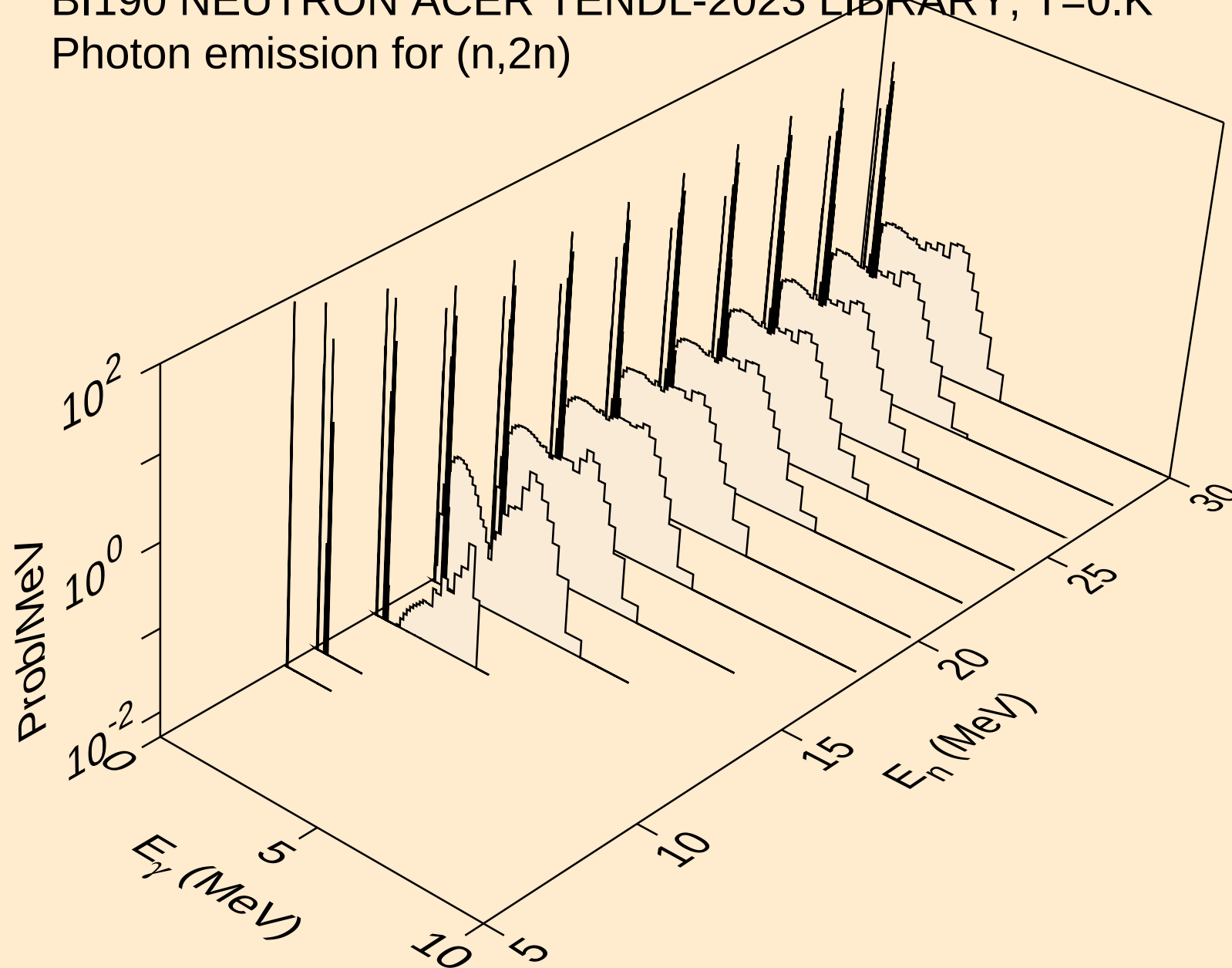
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



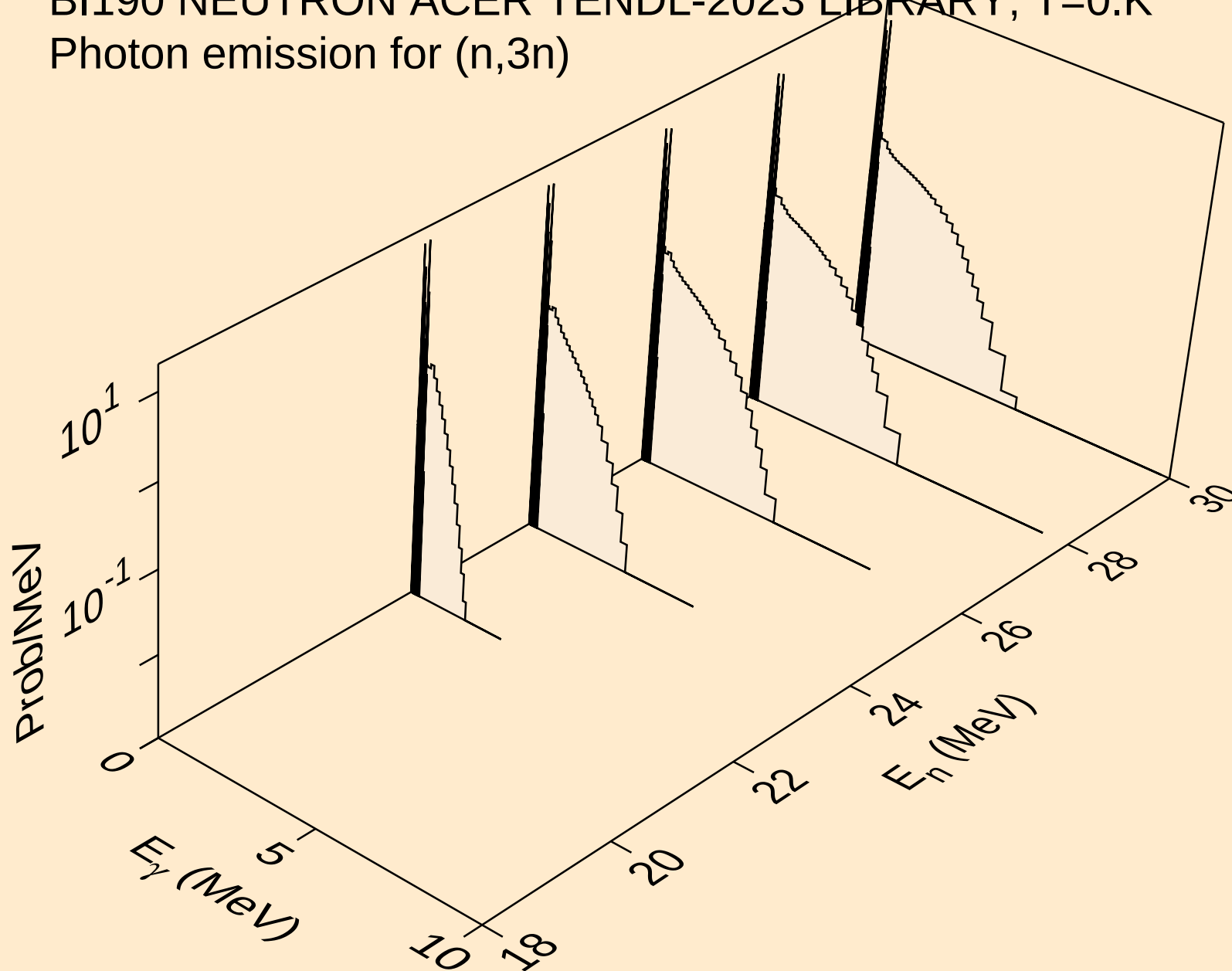
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



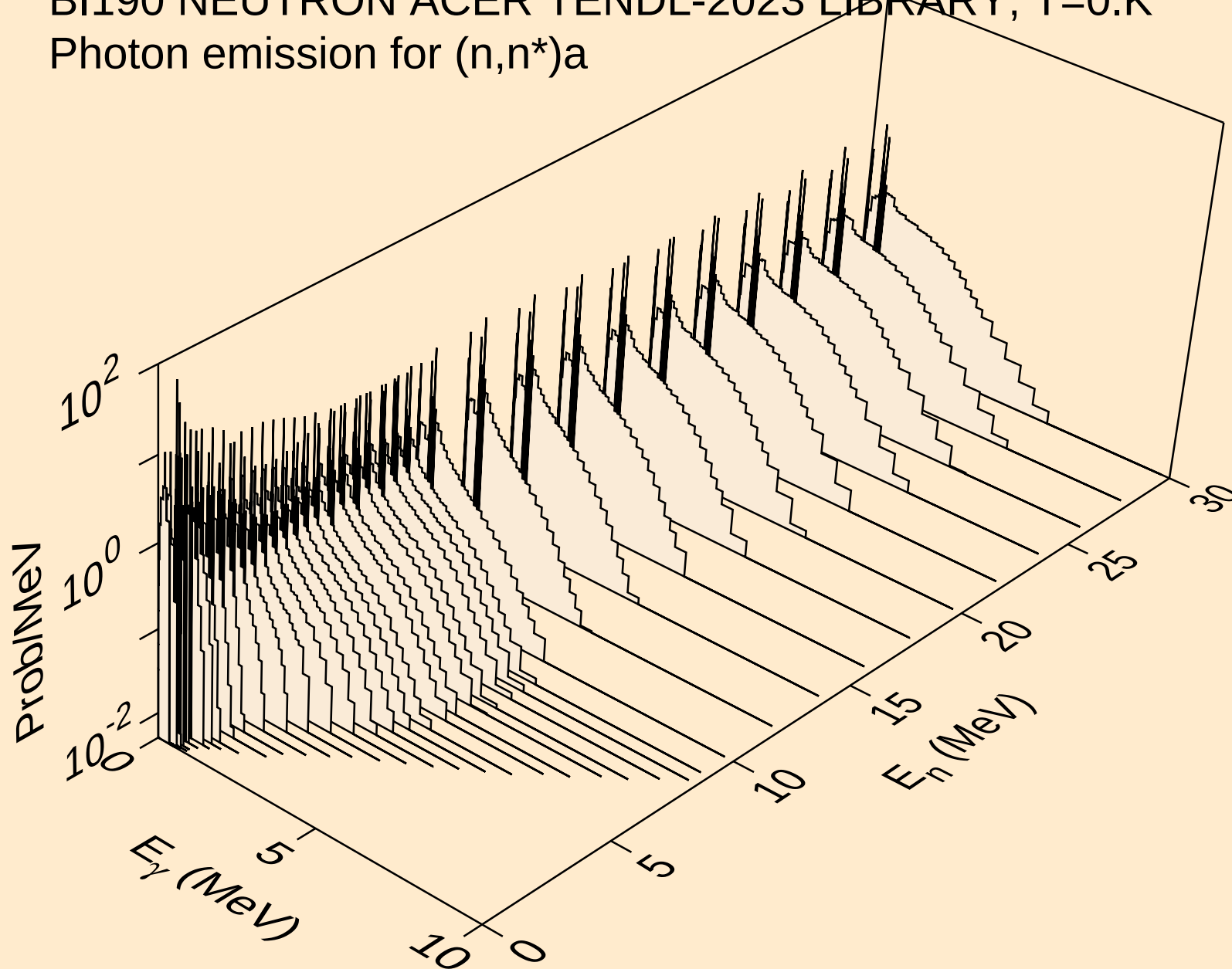
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

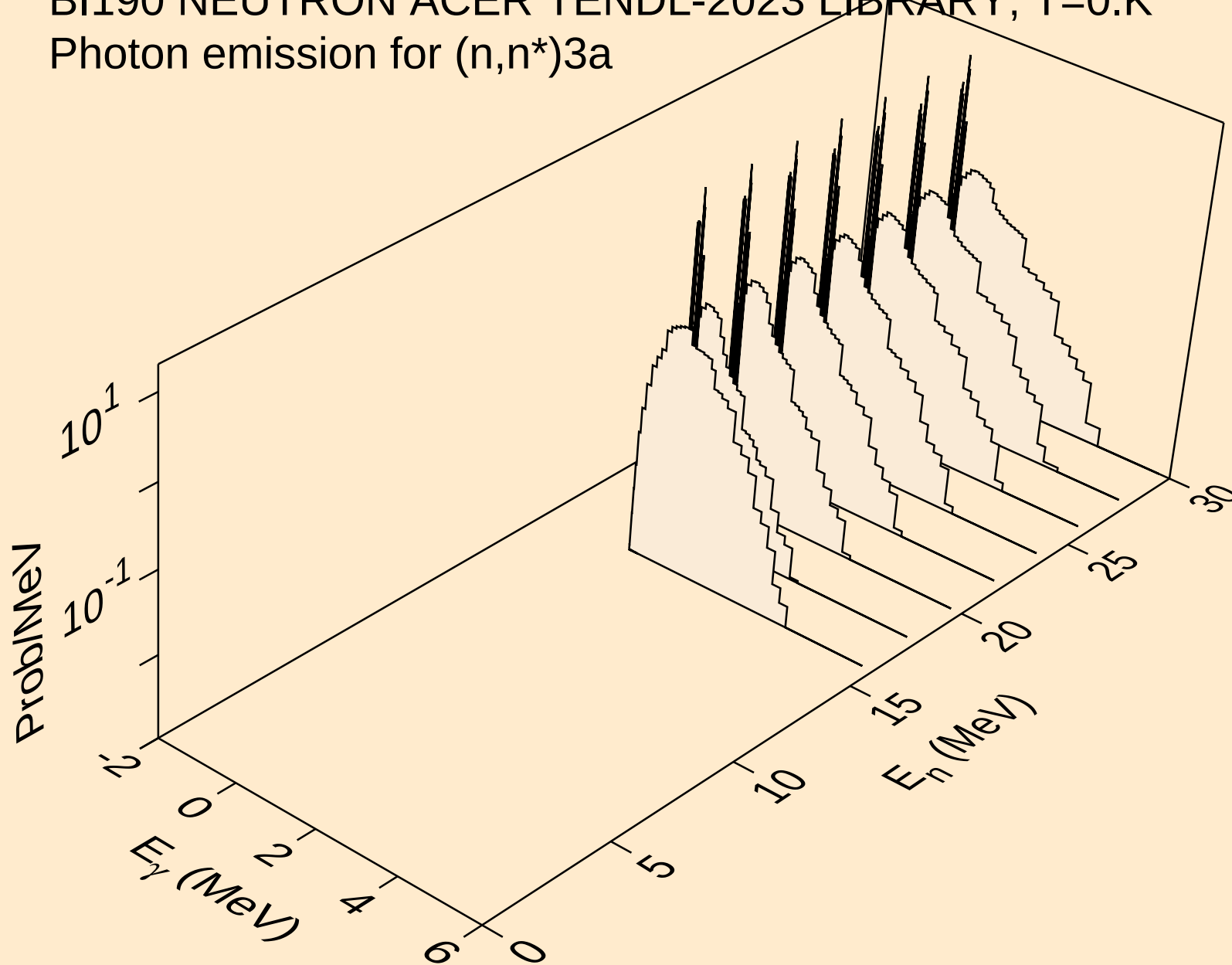


BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)a$

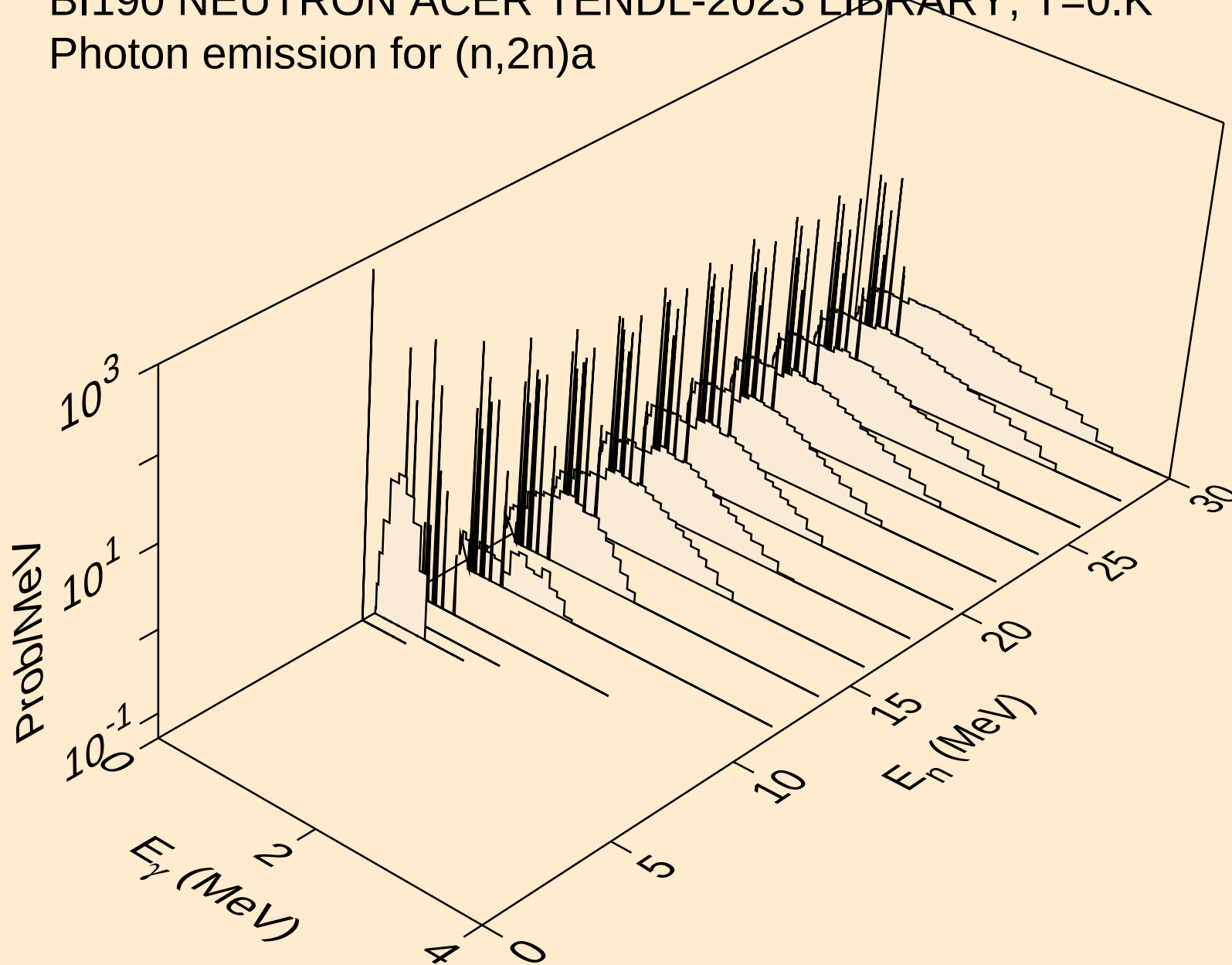


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)3a

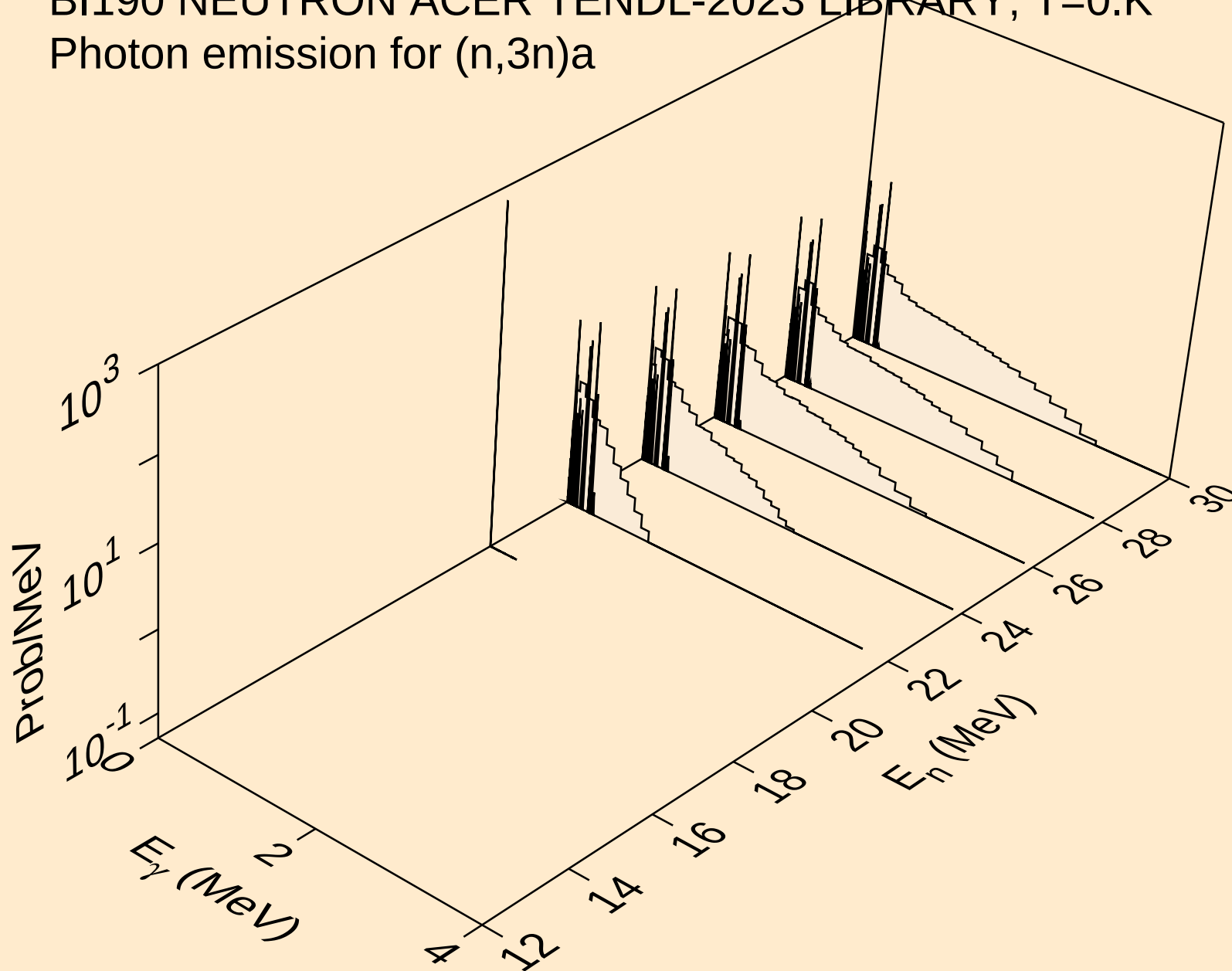


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n) α

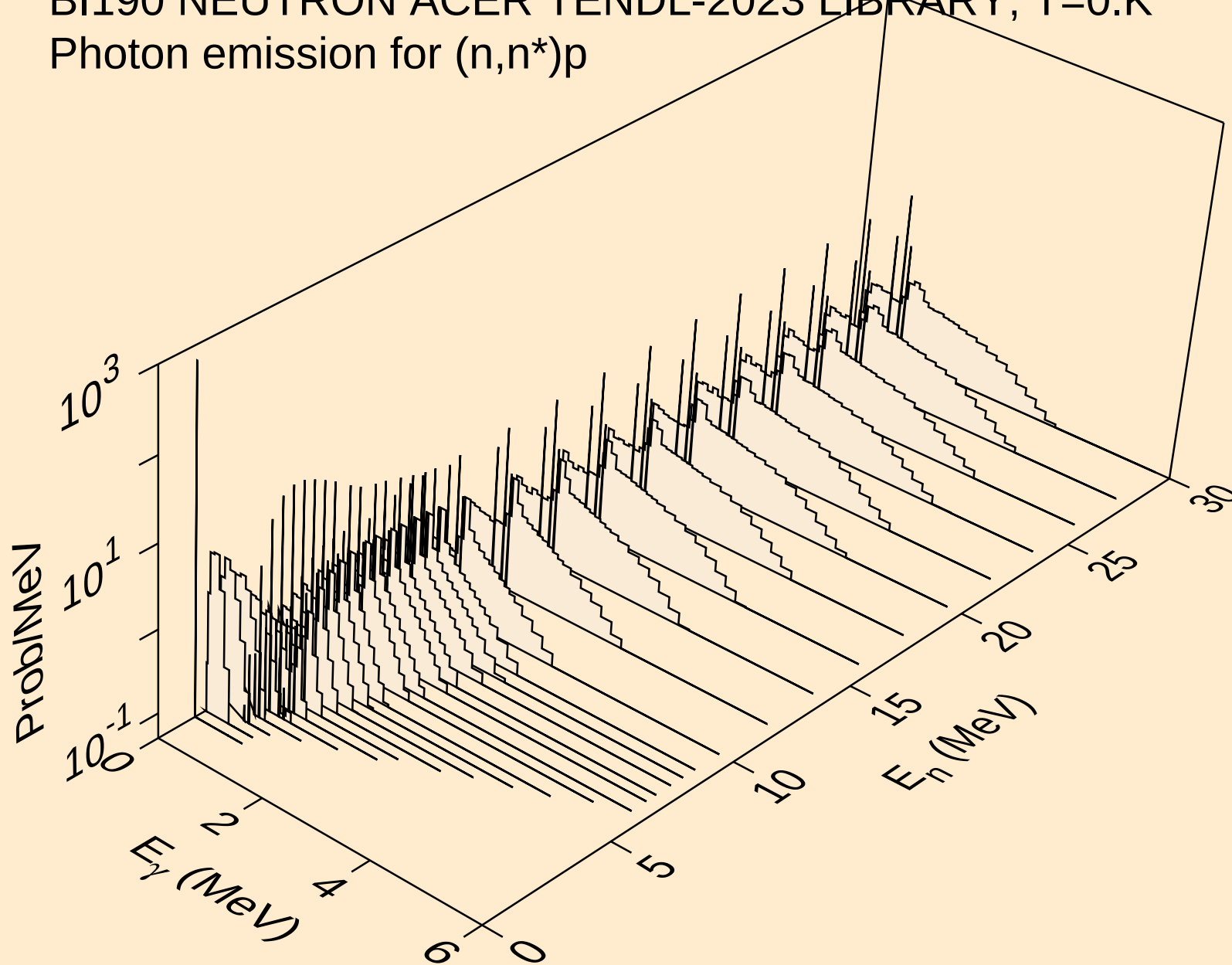


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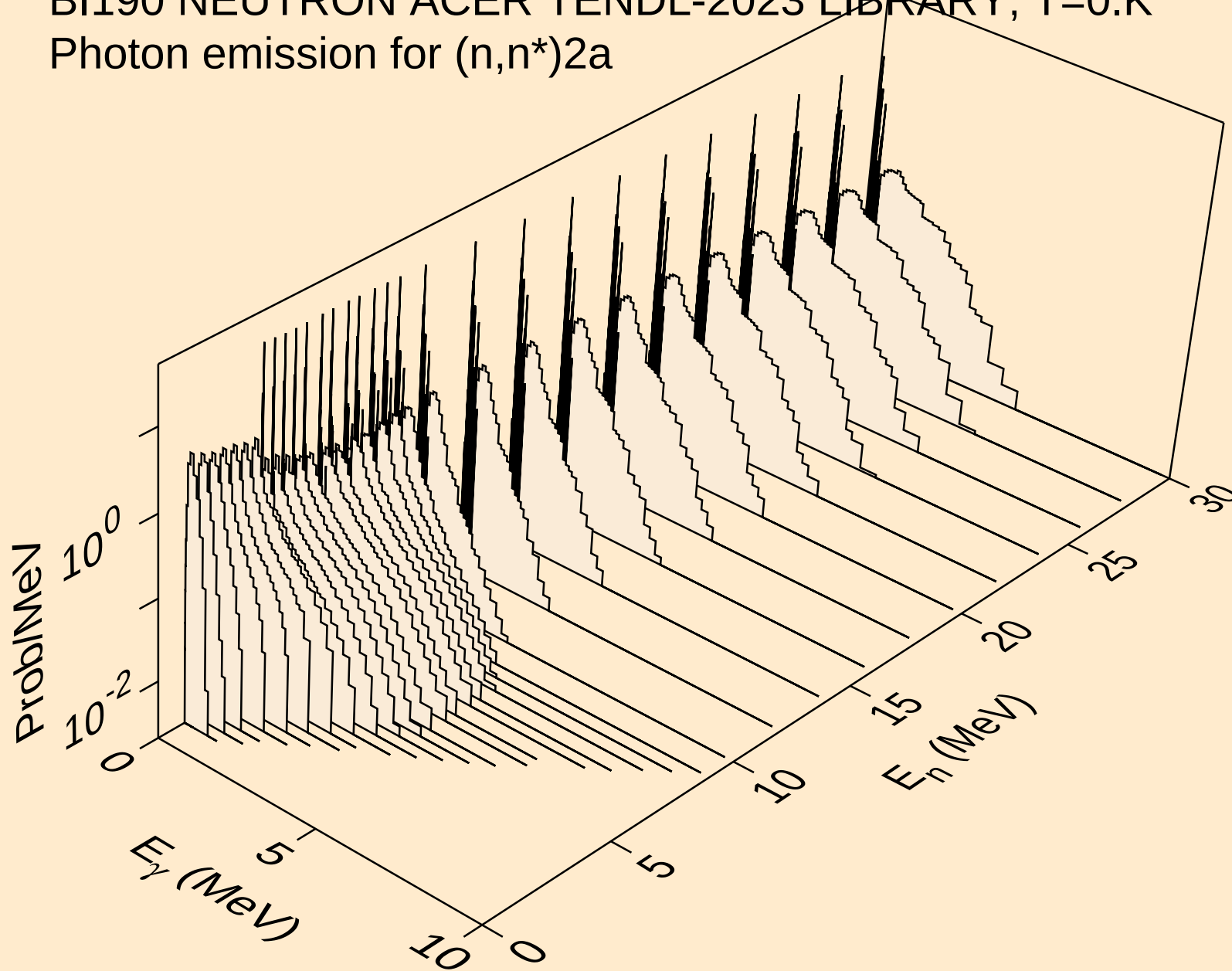
Photon emission for (n,3n)a



BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)p$

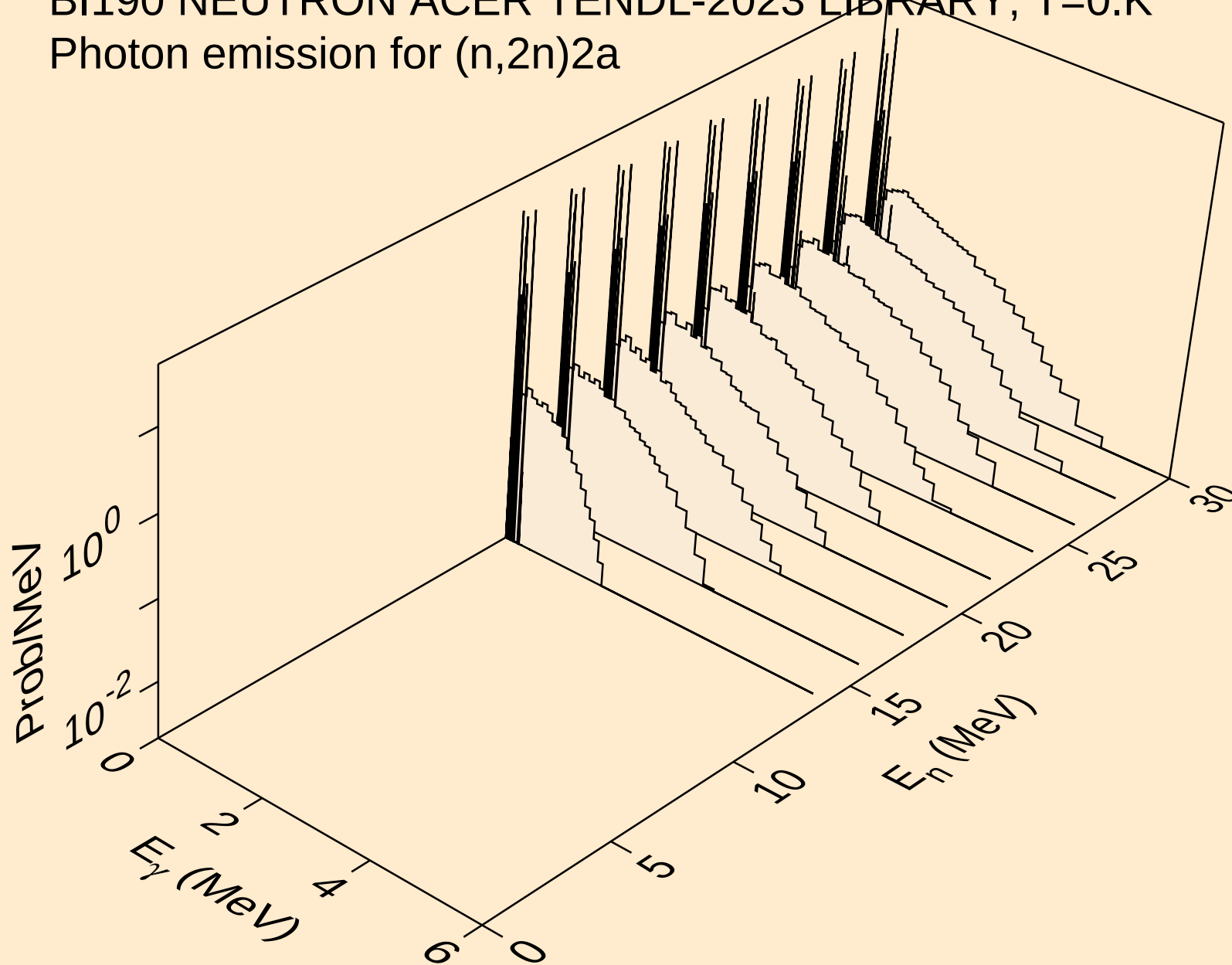


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a

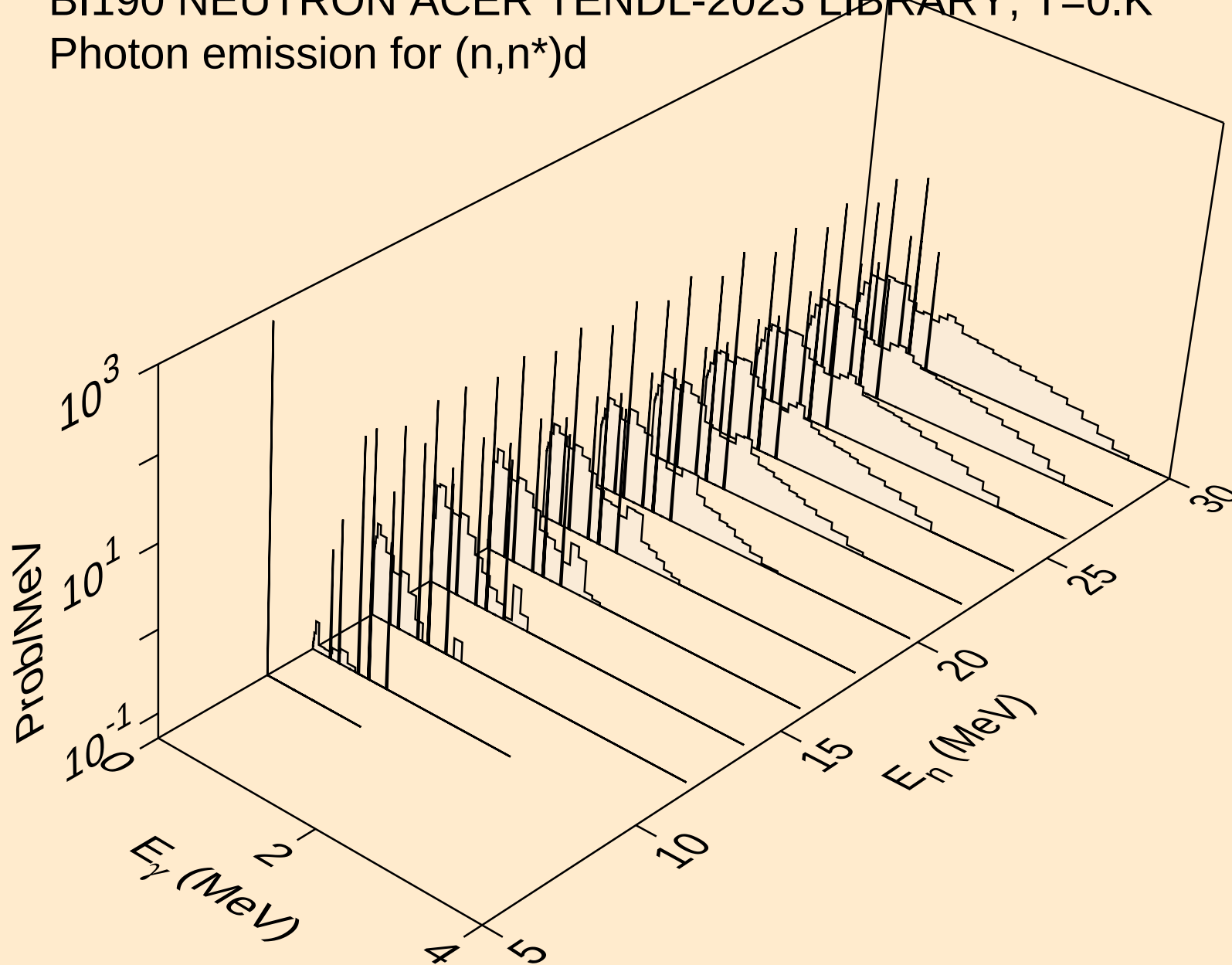


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)2a

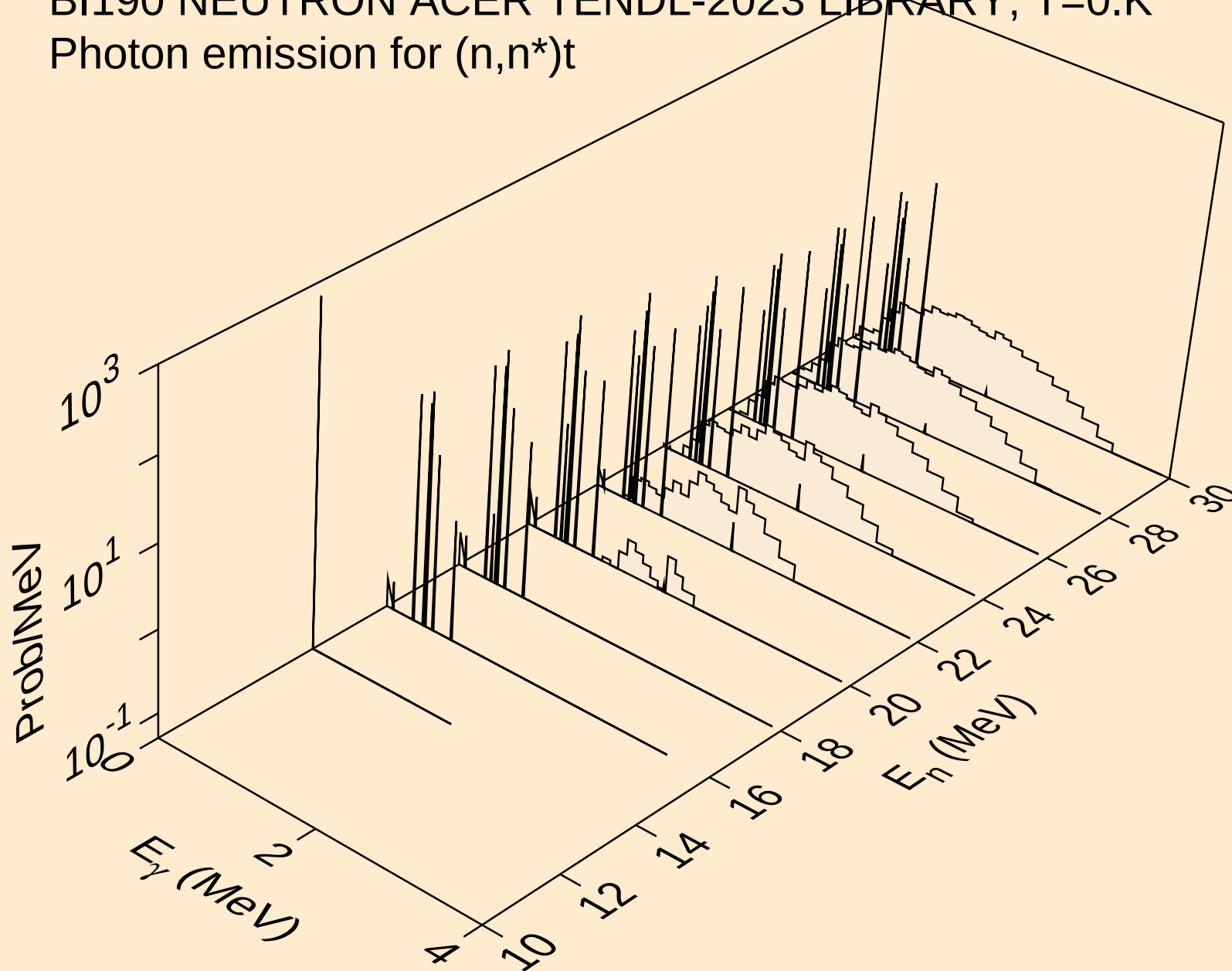


BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for $(n,n^*)d$

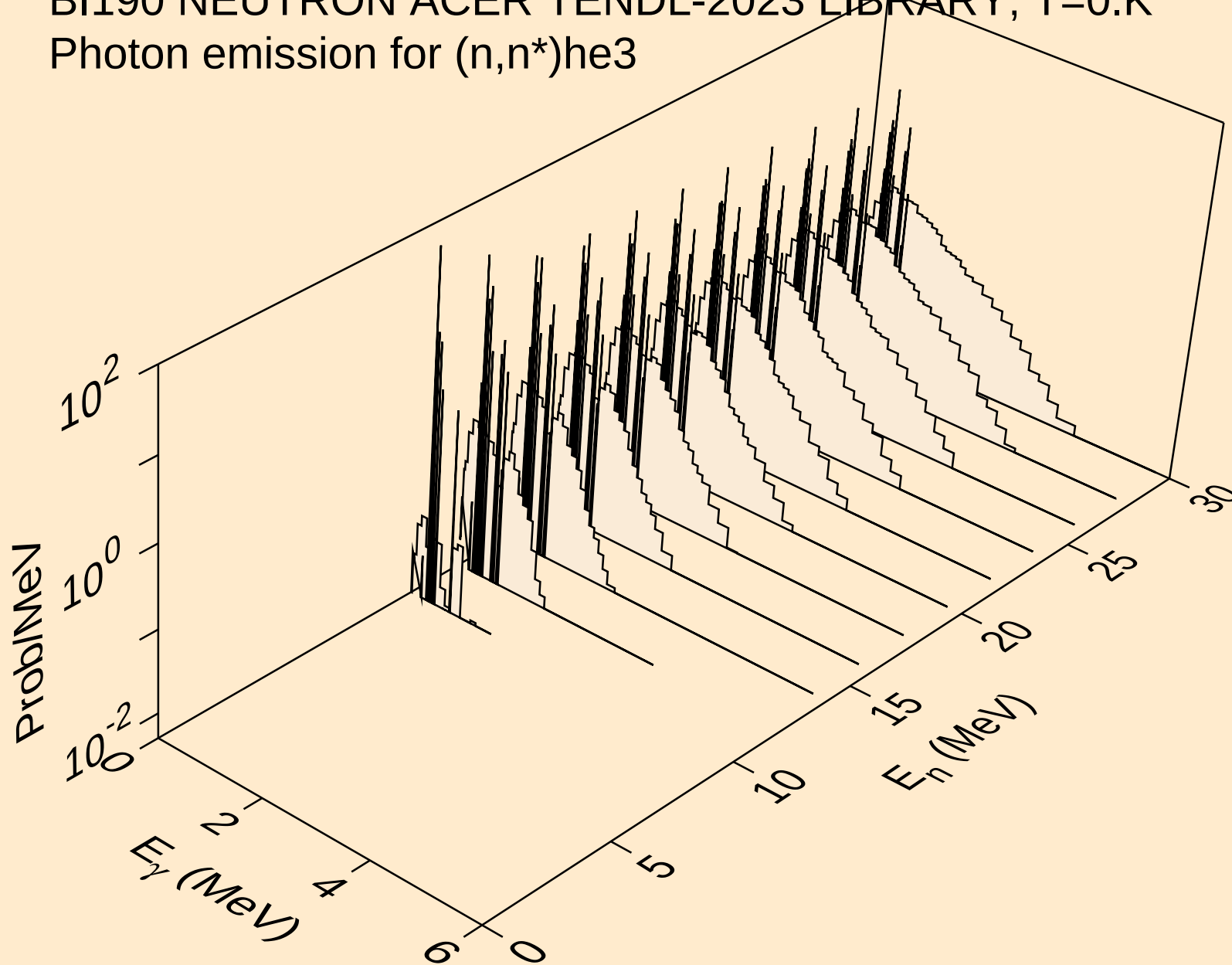


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

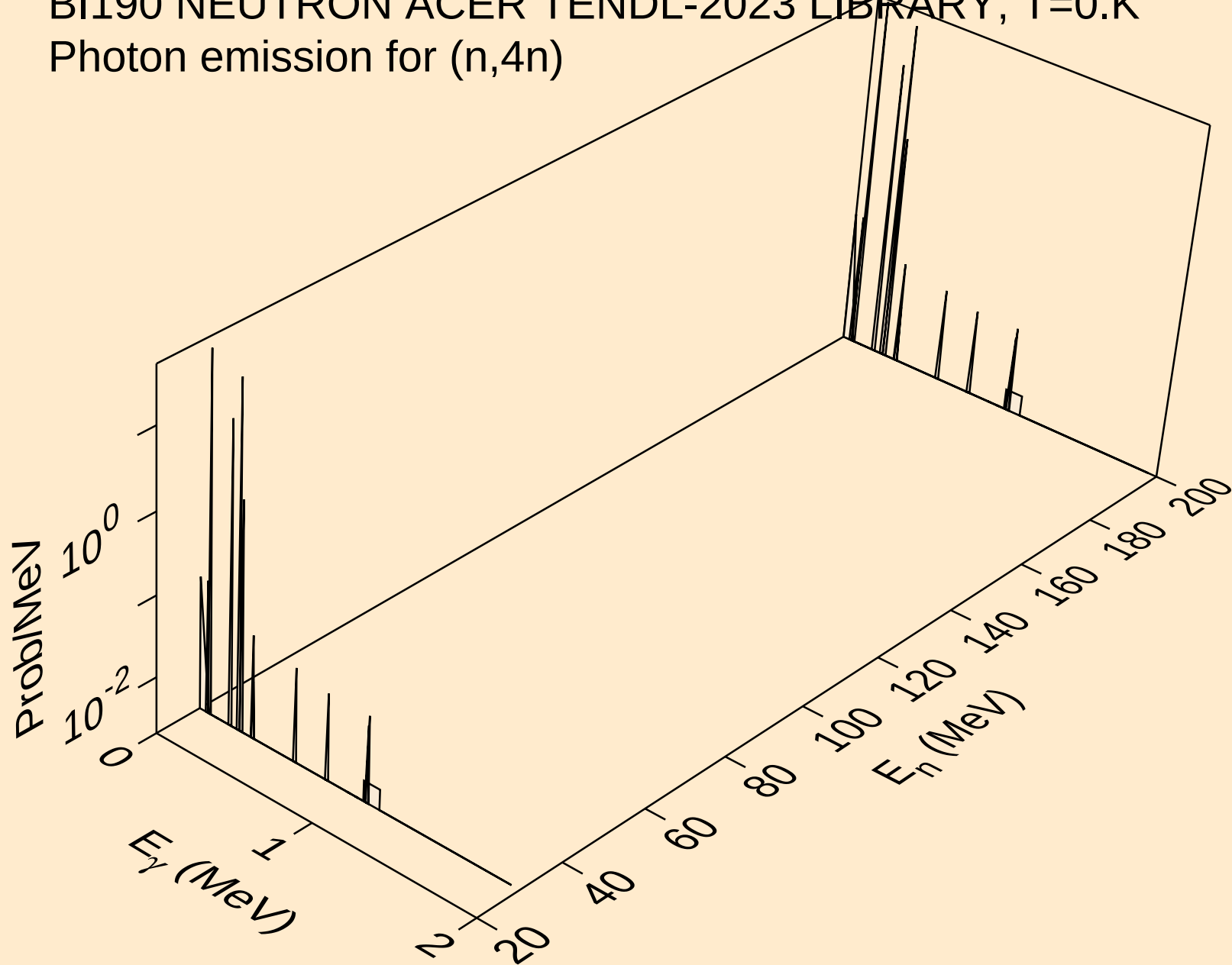
Photon emission for (n,n*)t



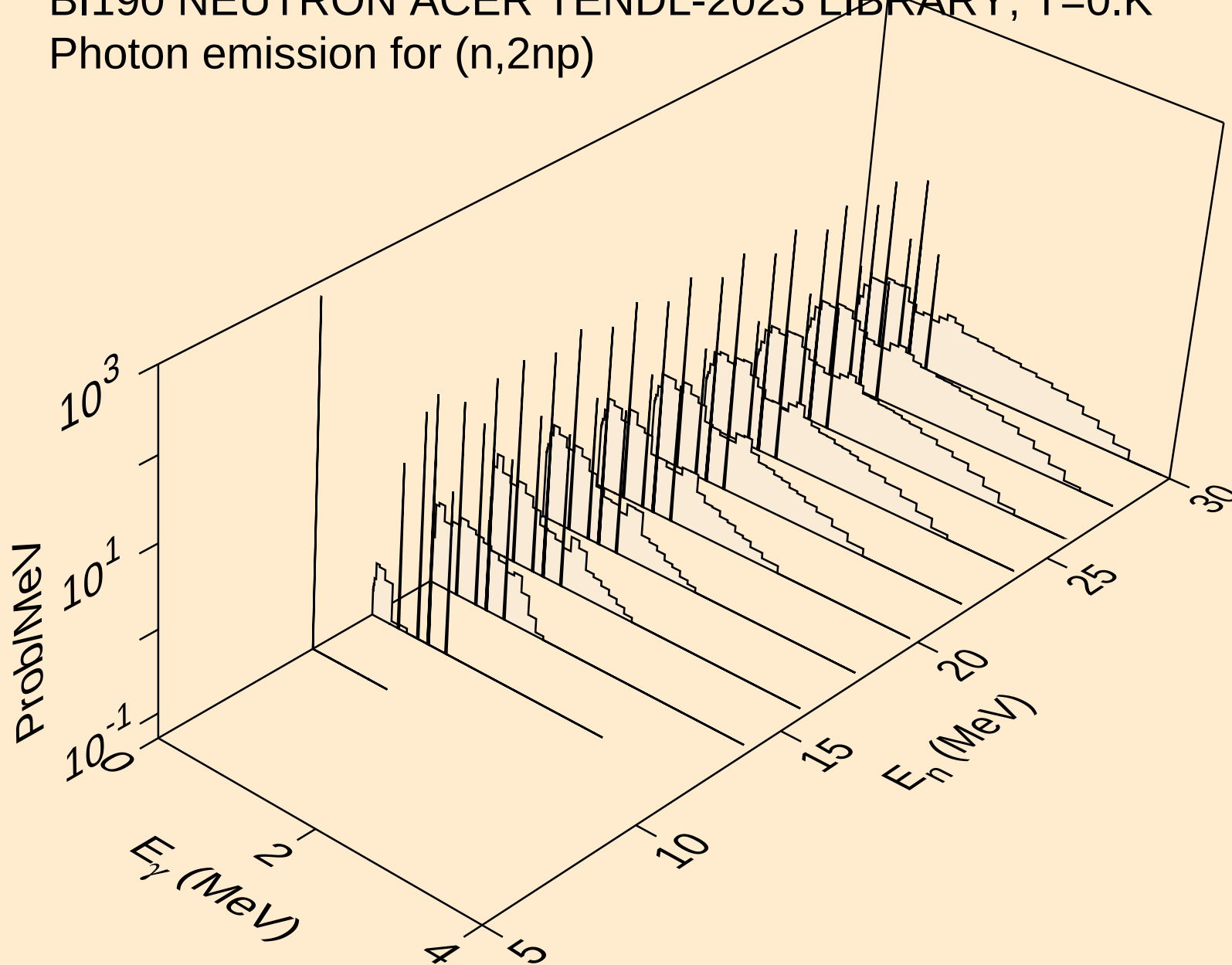
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



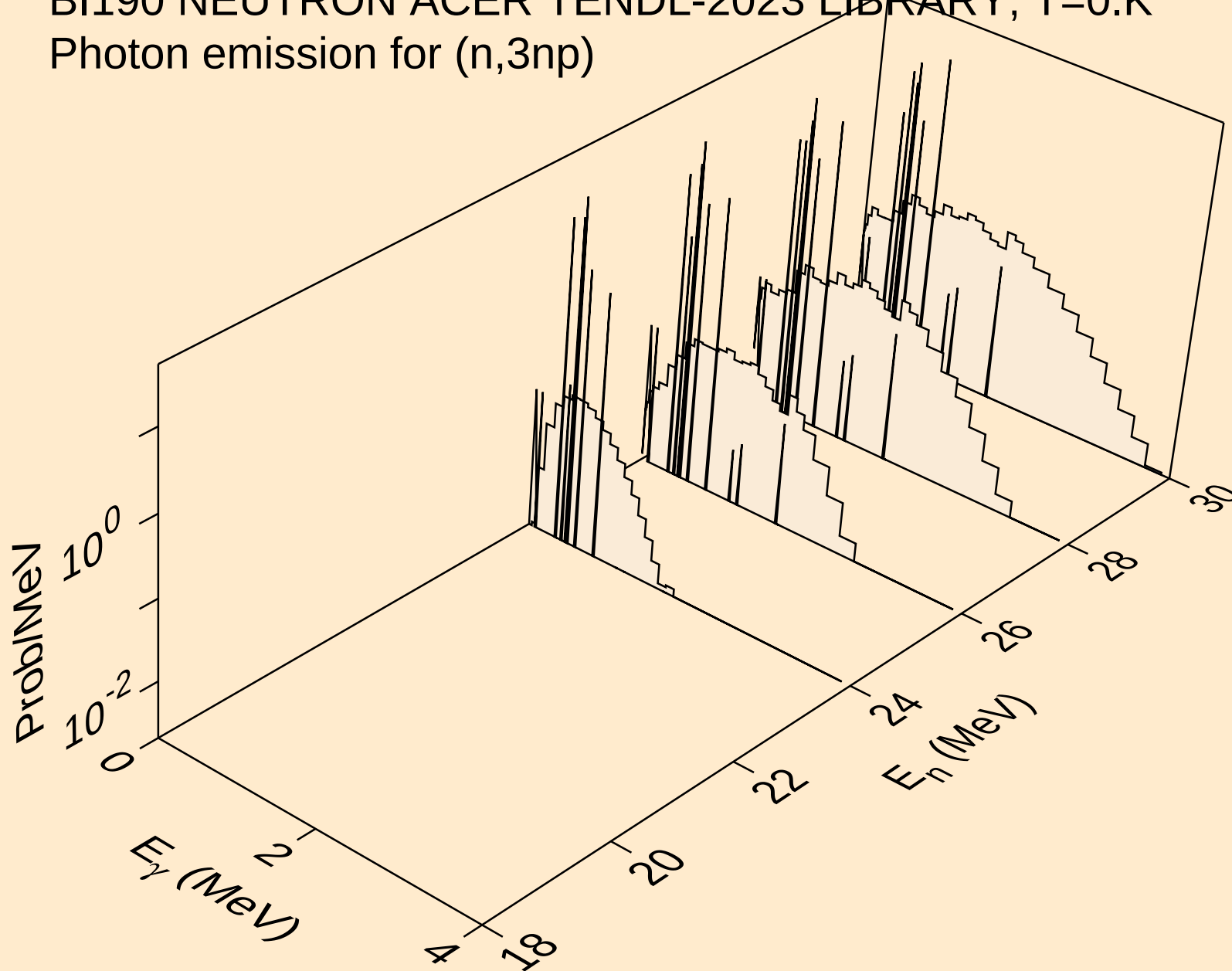
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



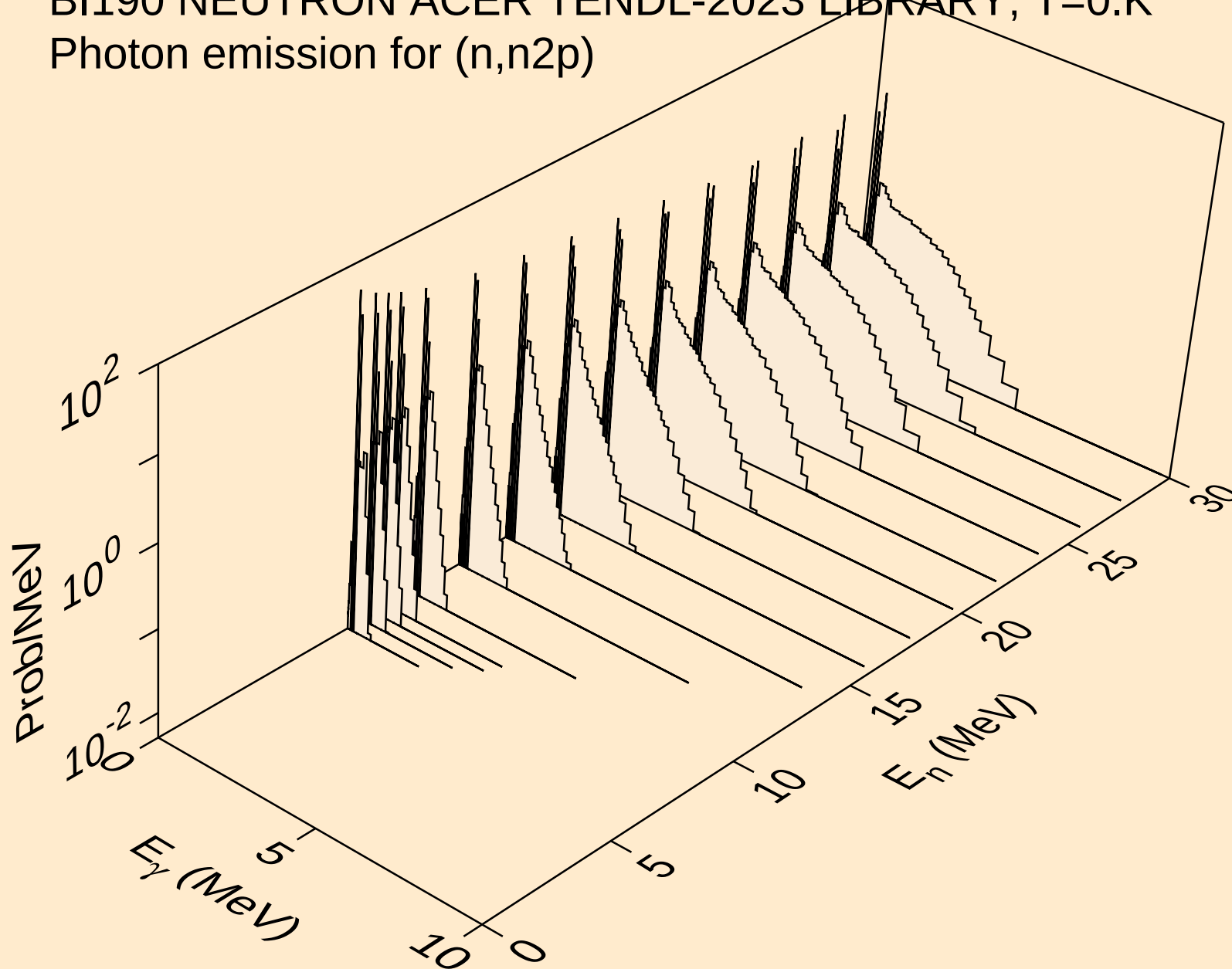
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



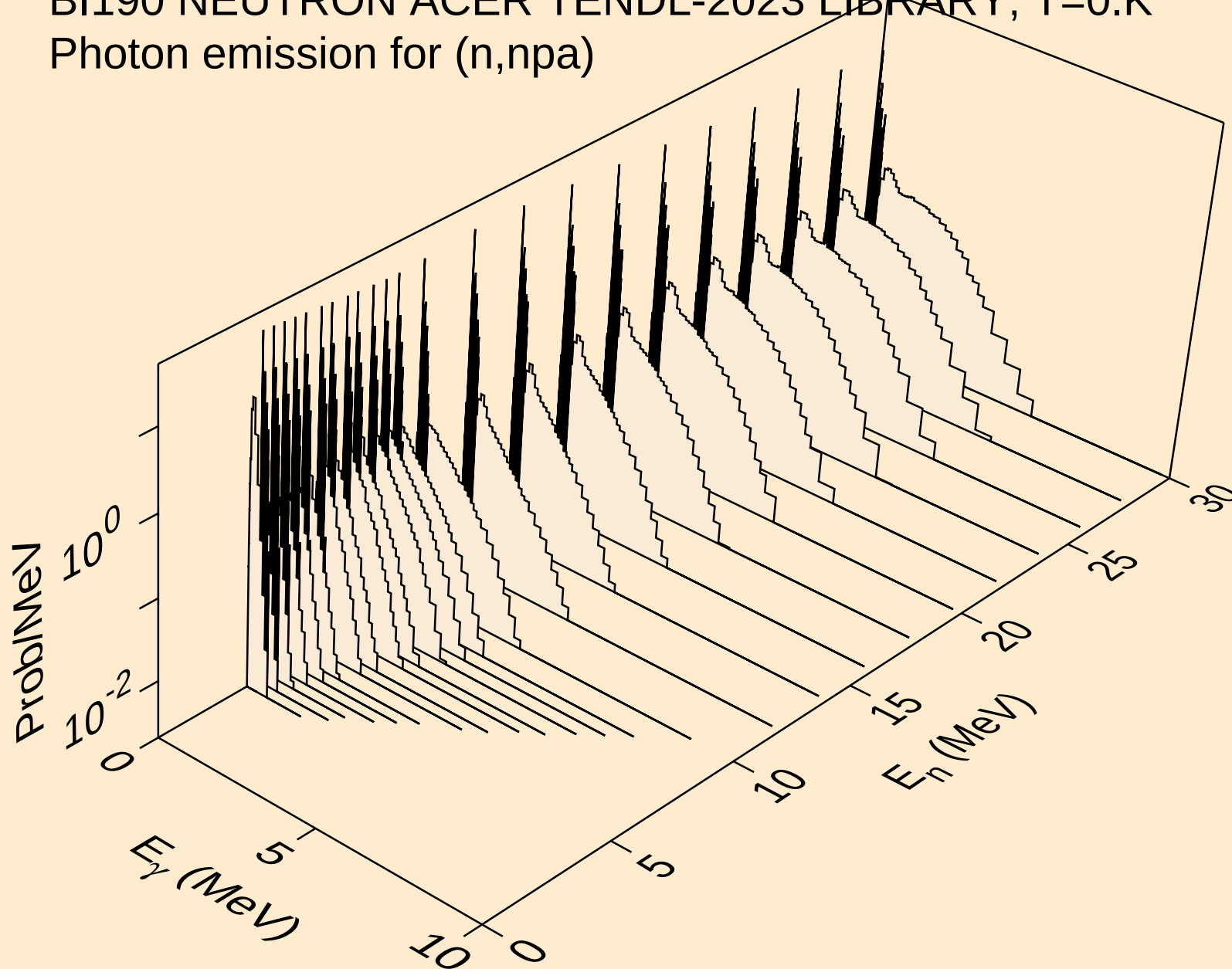
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



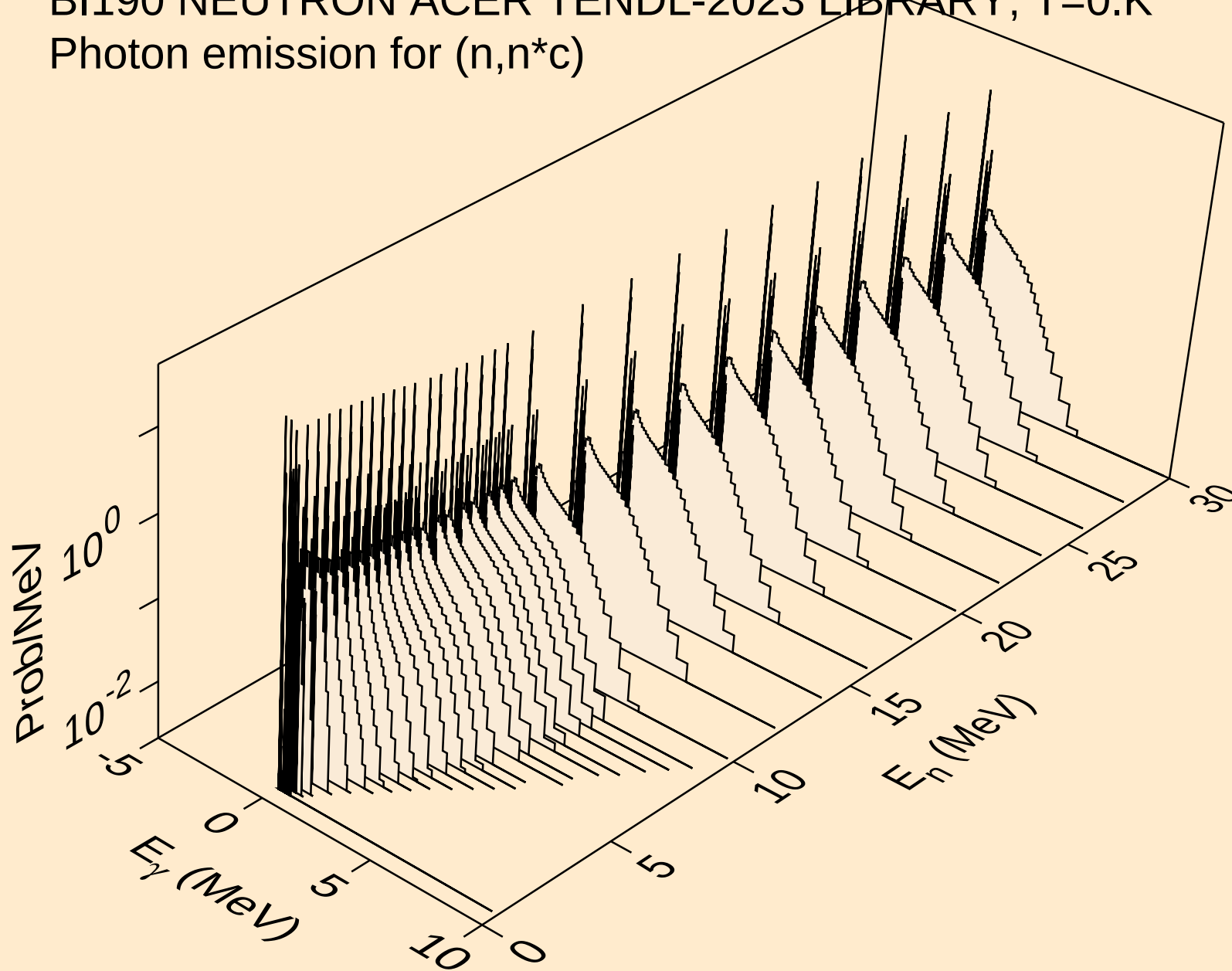
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



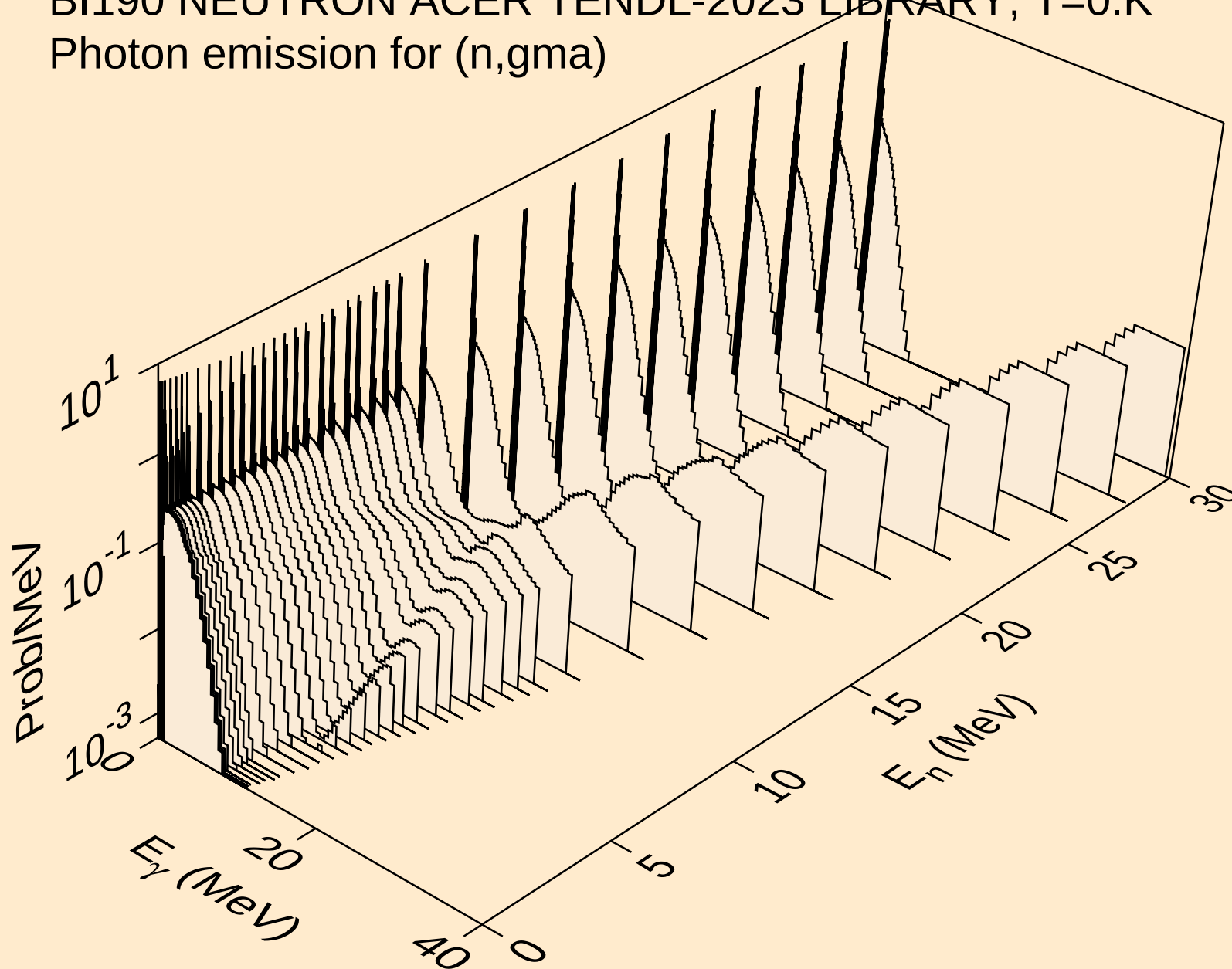
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



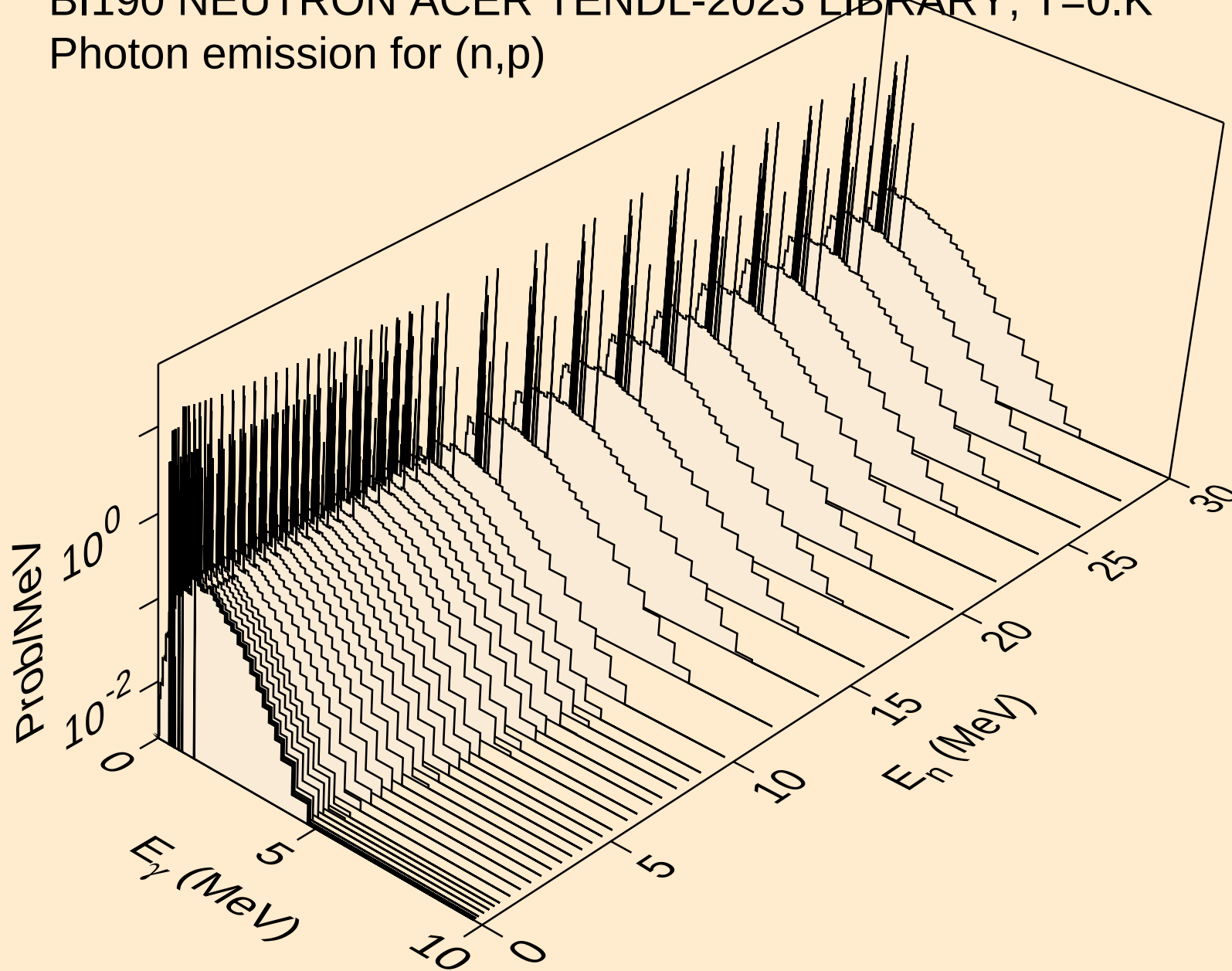
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



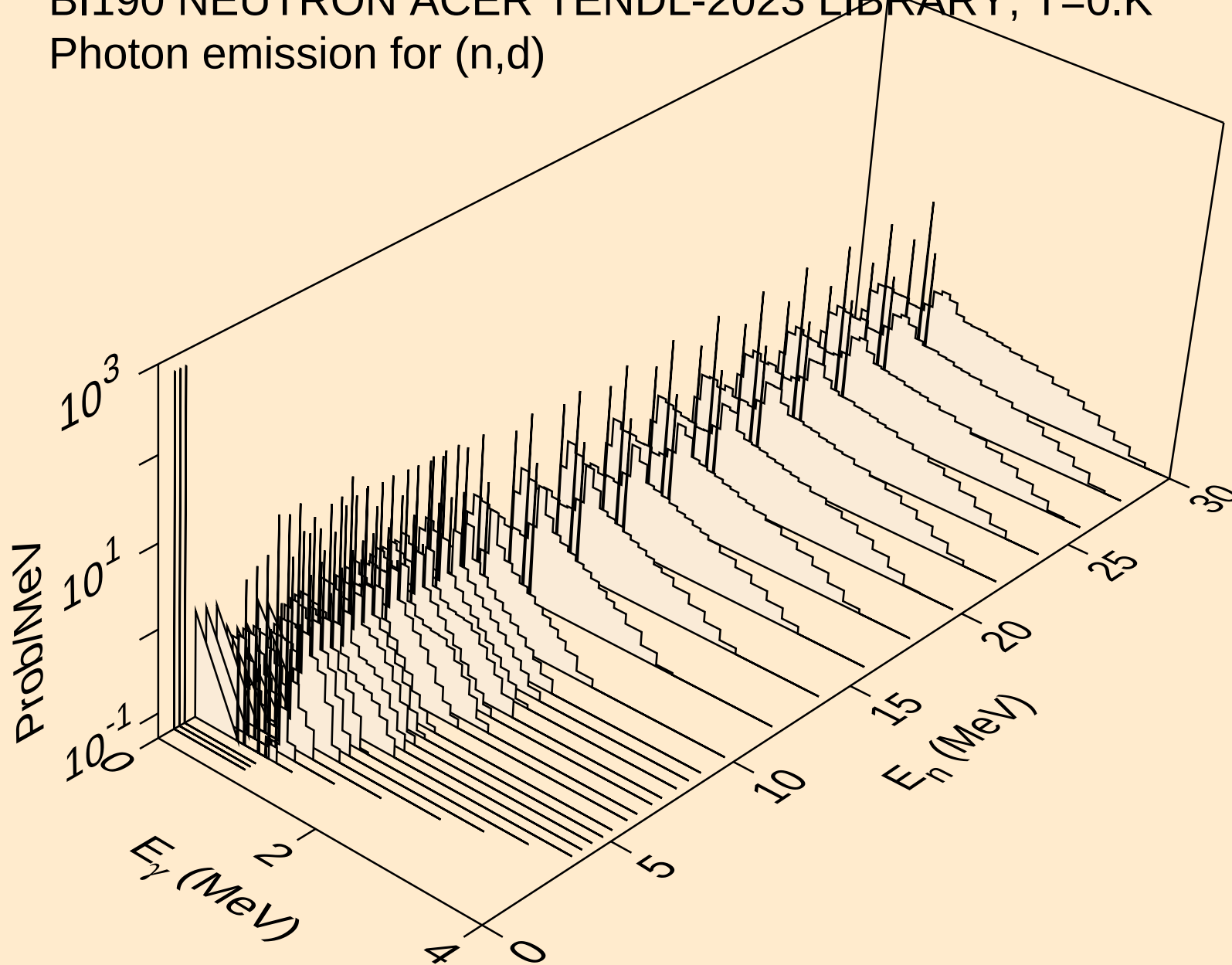
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



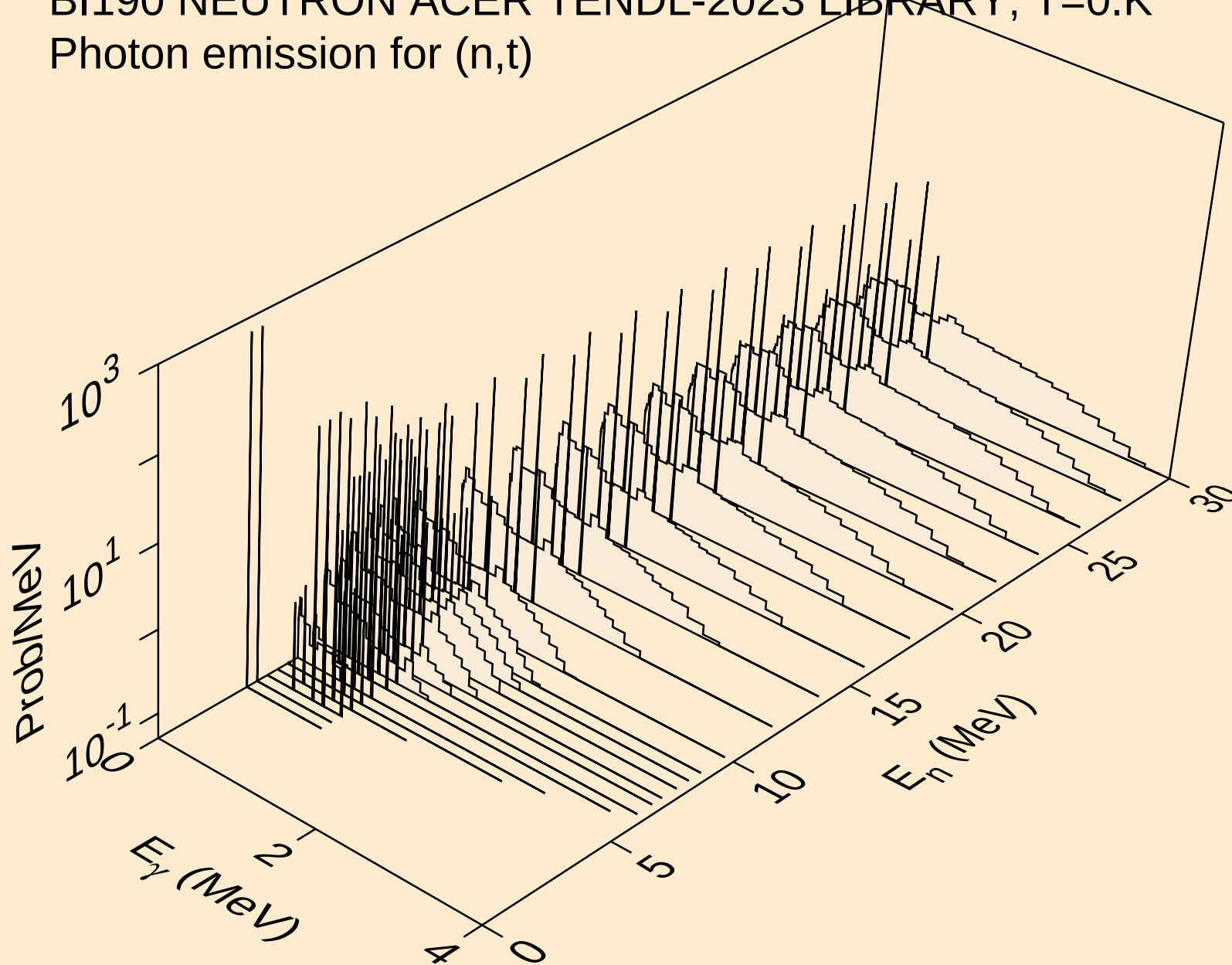
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,p)



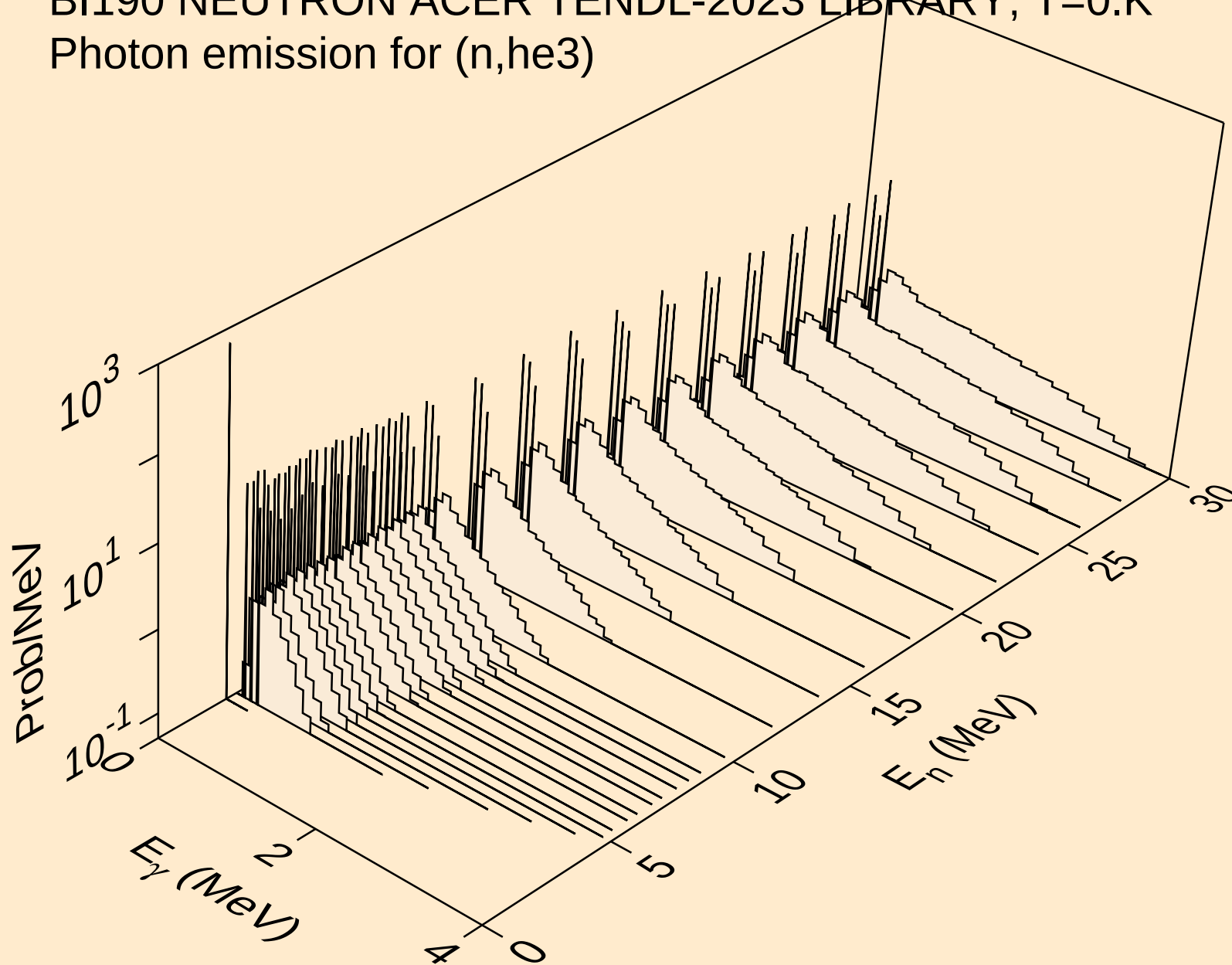
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



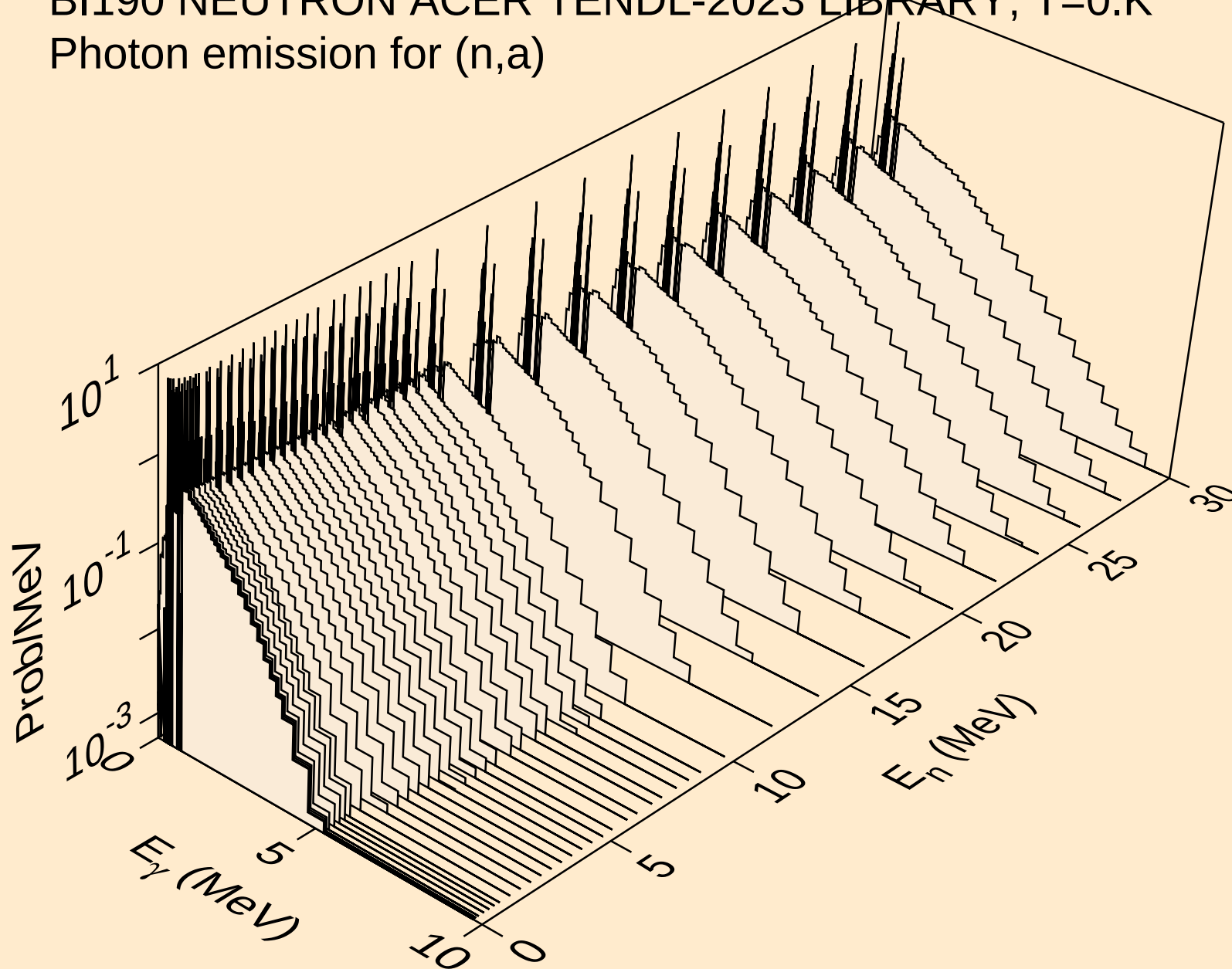
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



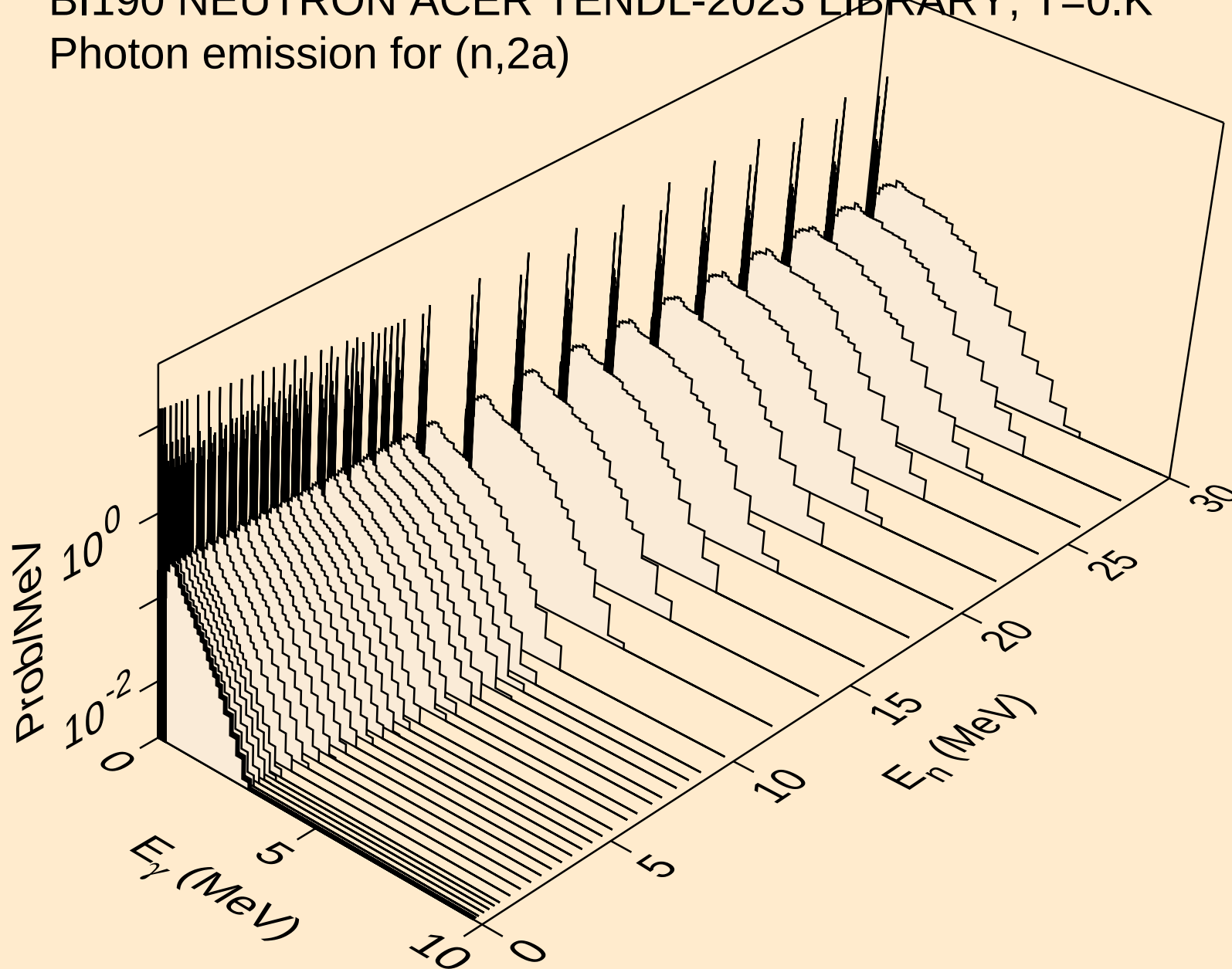
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,he3)



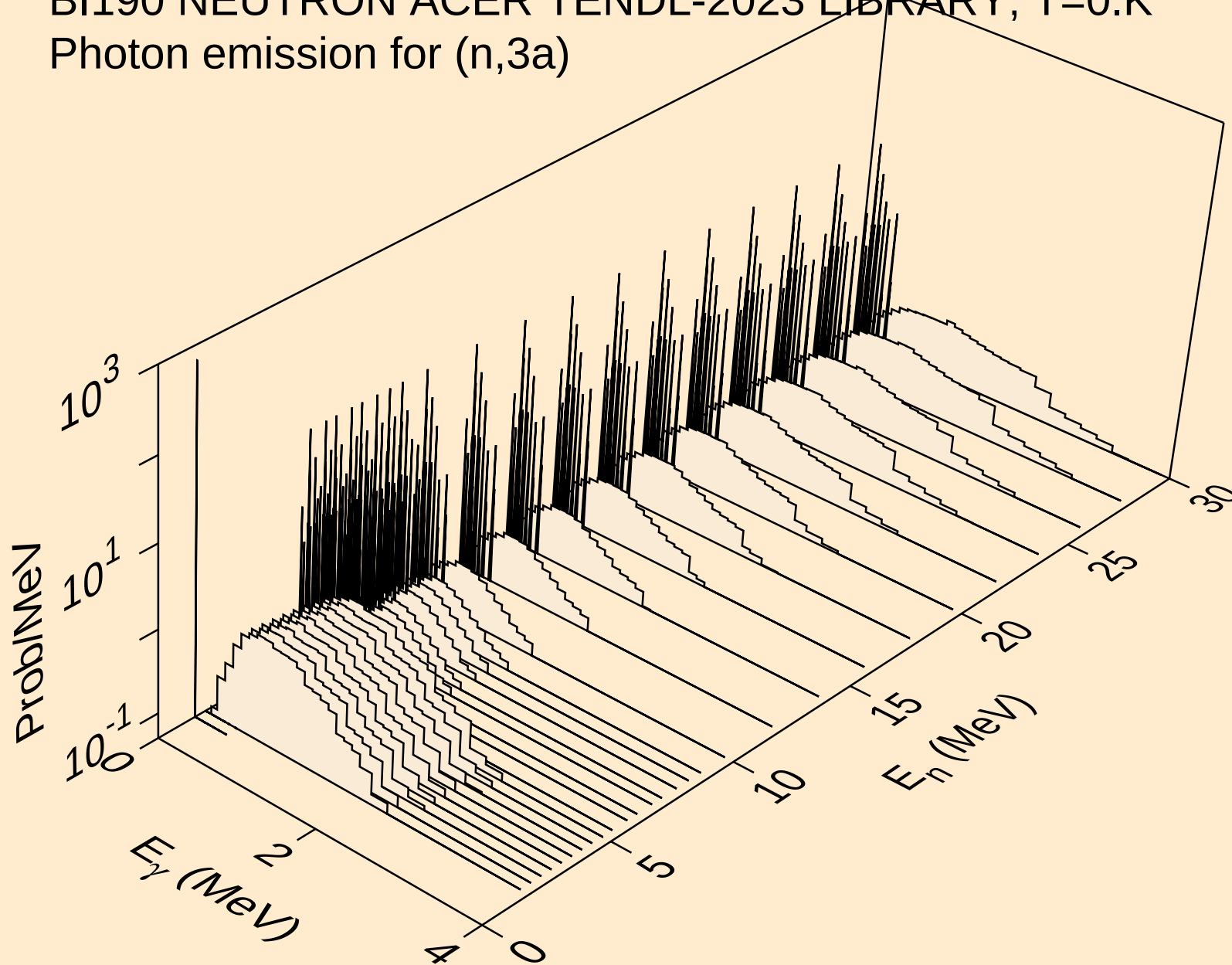
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)



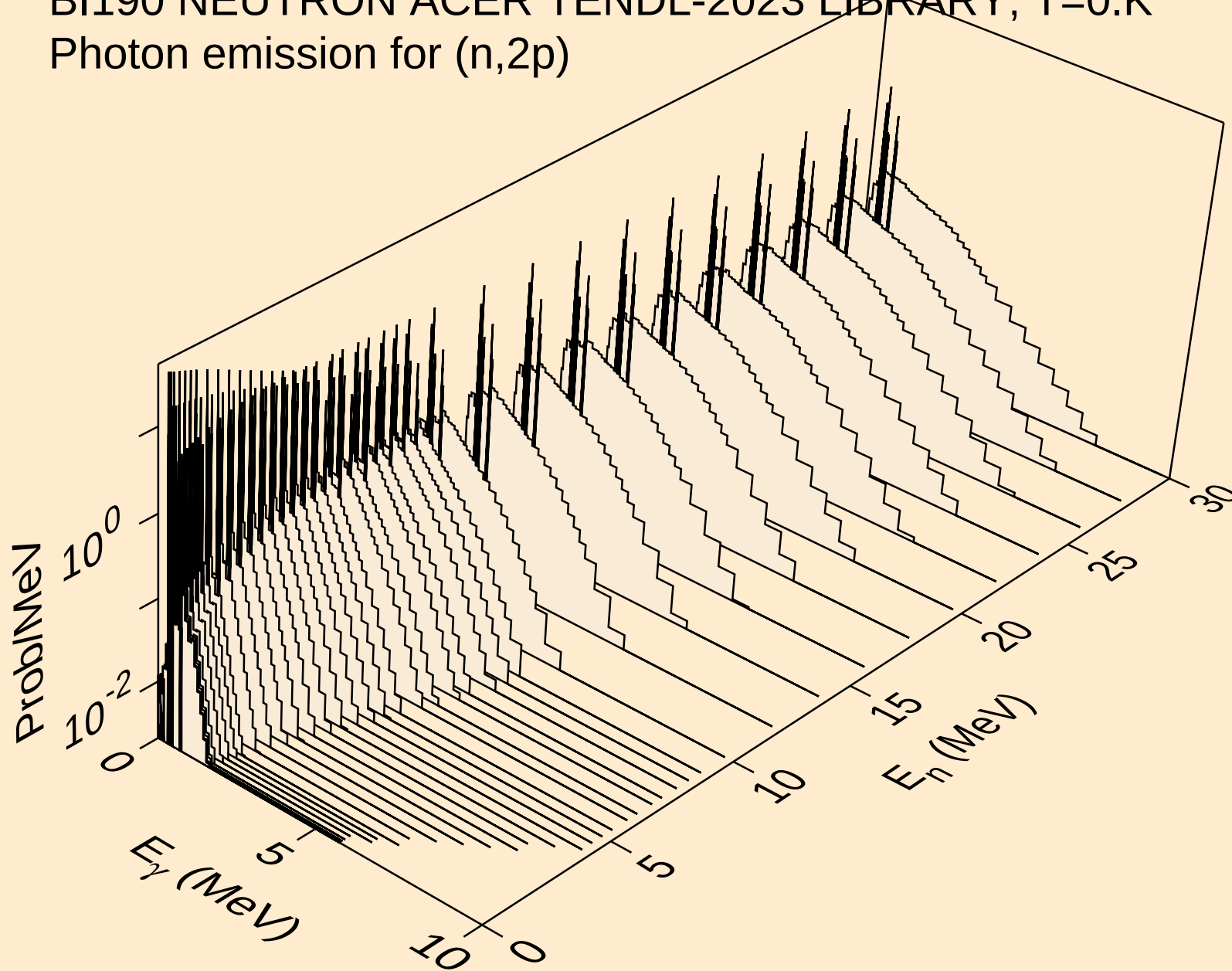
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2a)



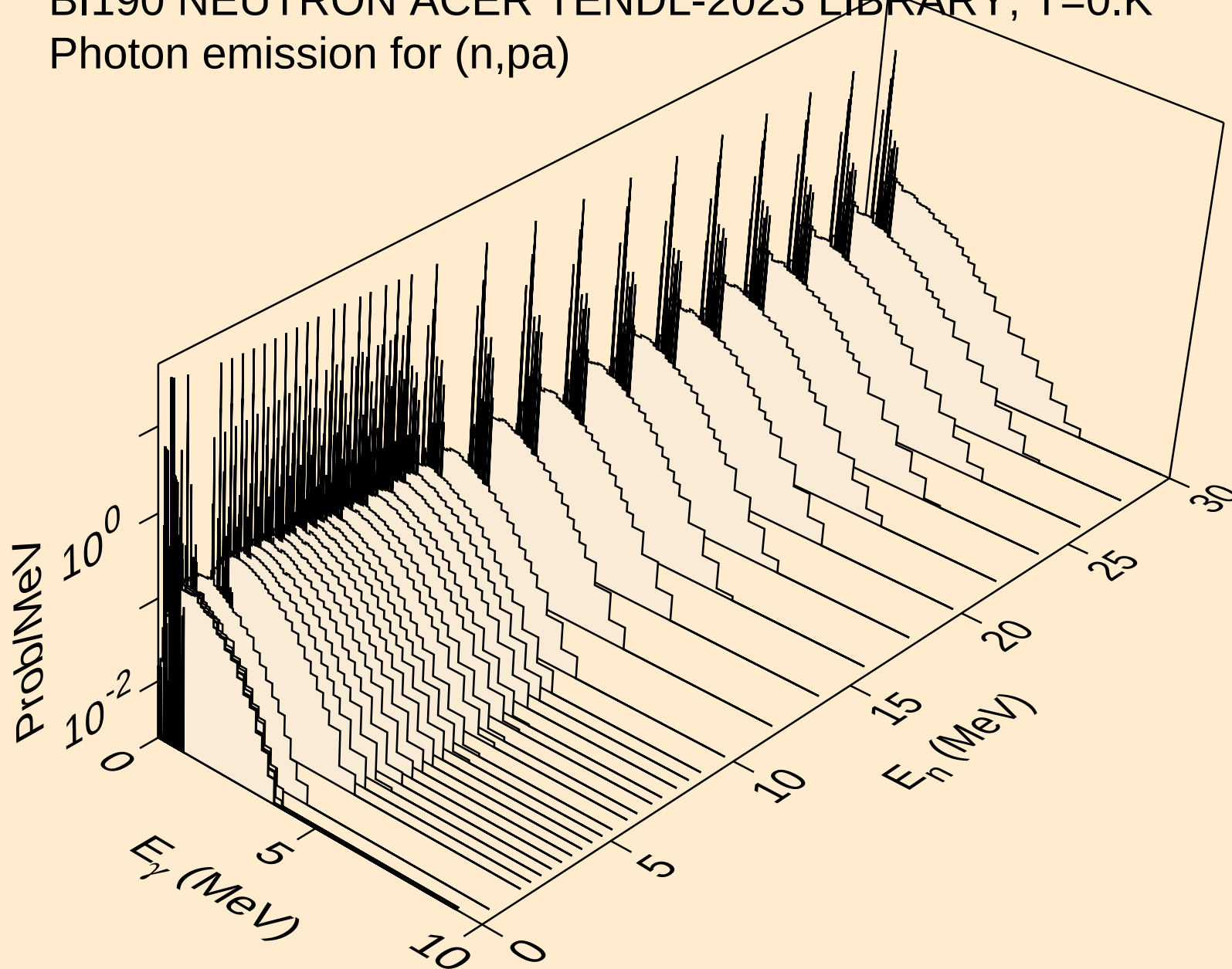
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



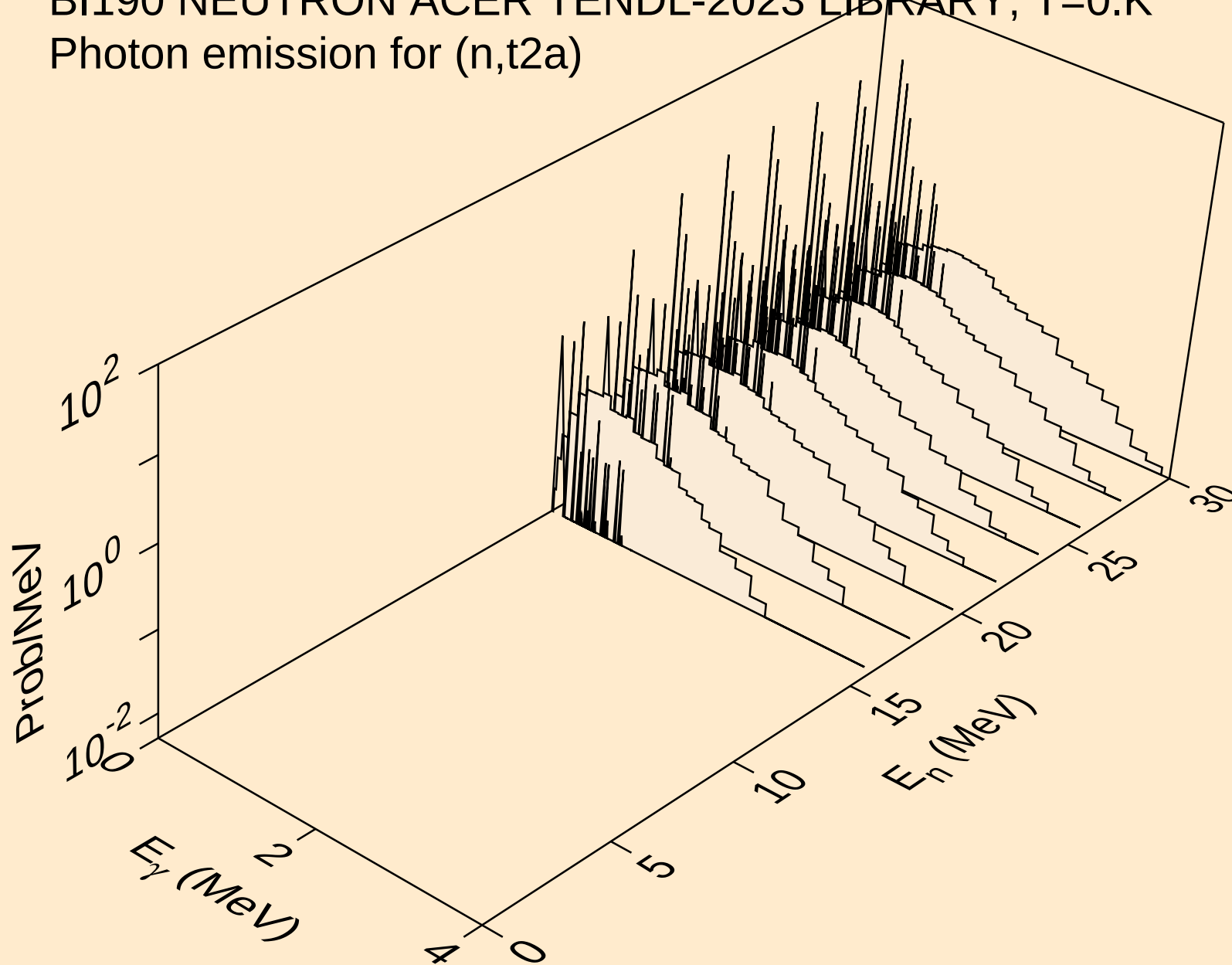
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2p)



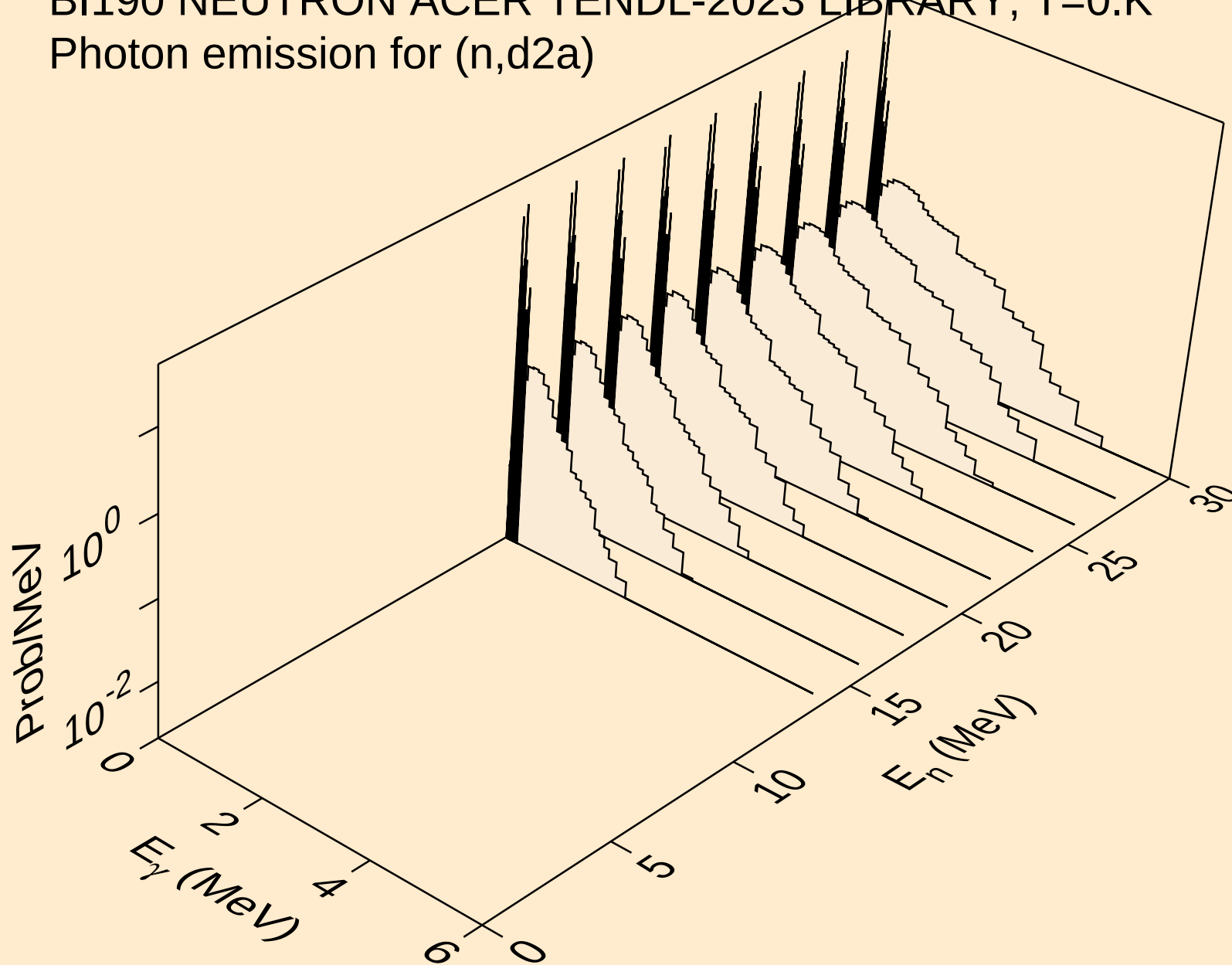
BI190 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,p α)



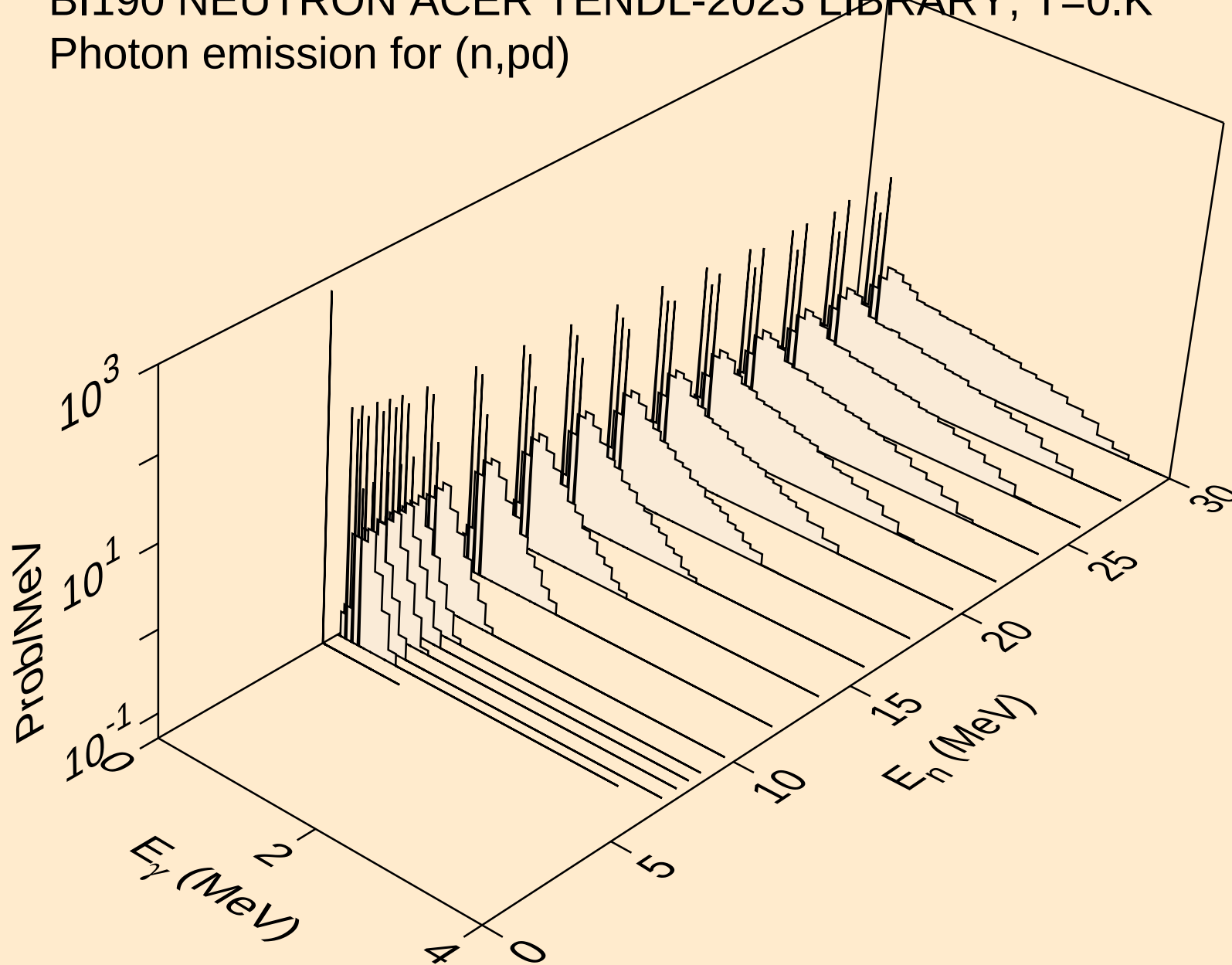
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t2a)



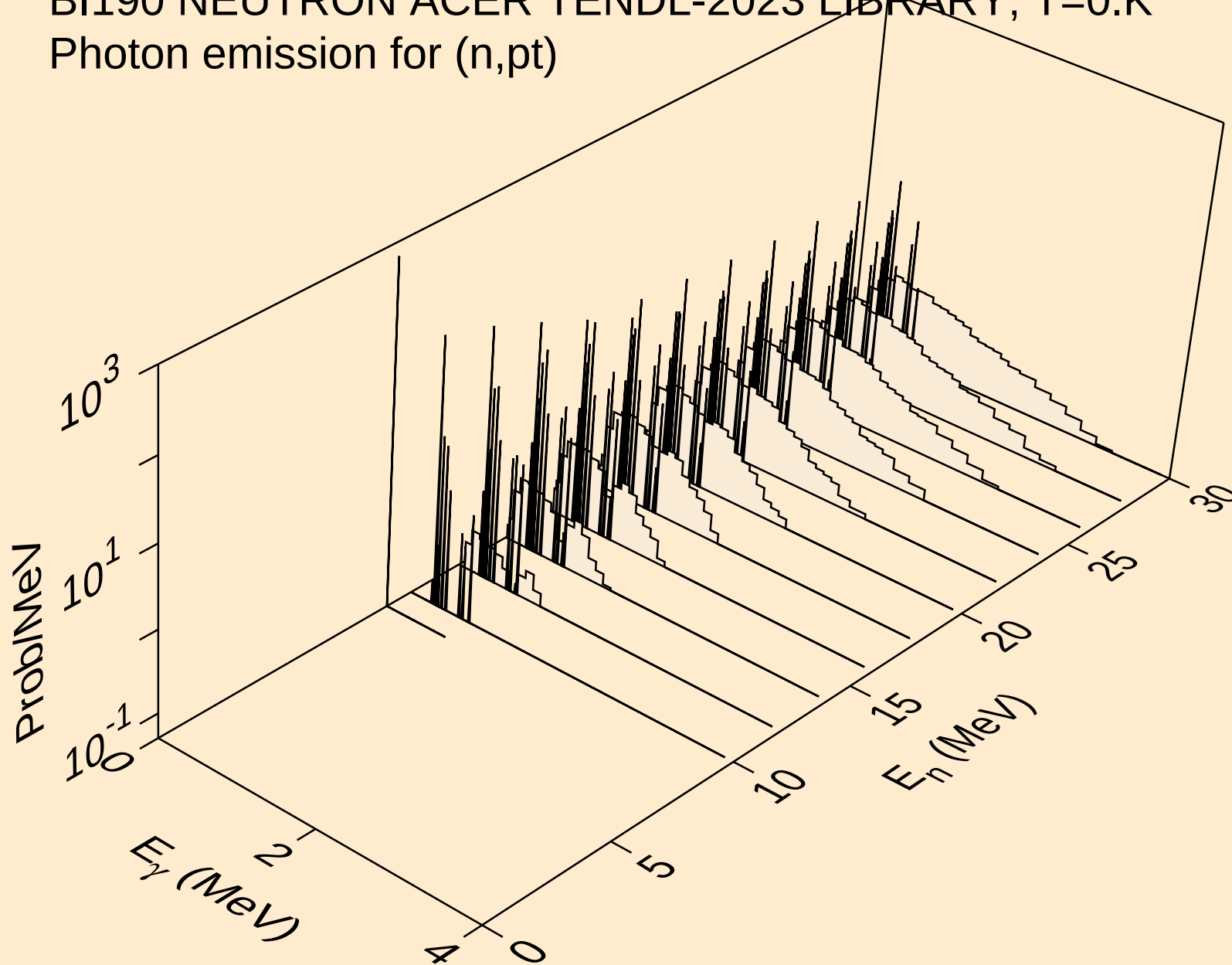
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d2a)



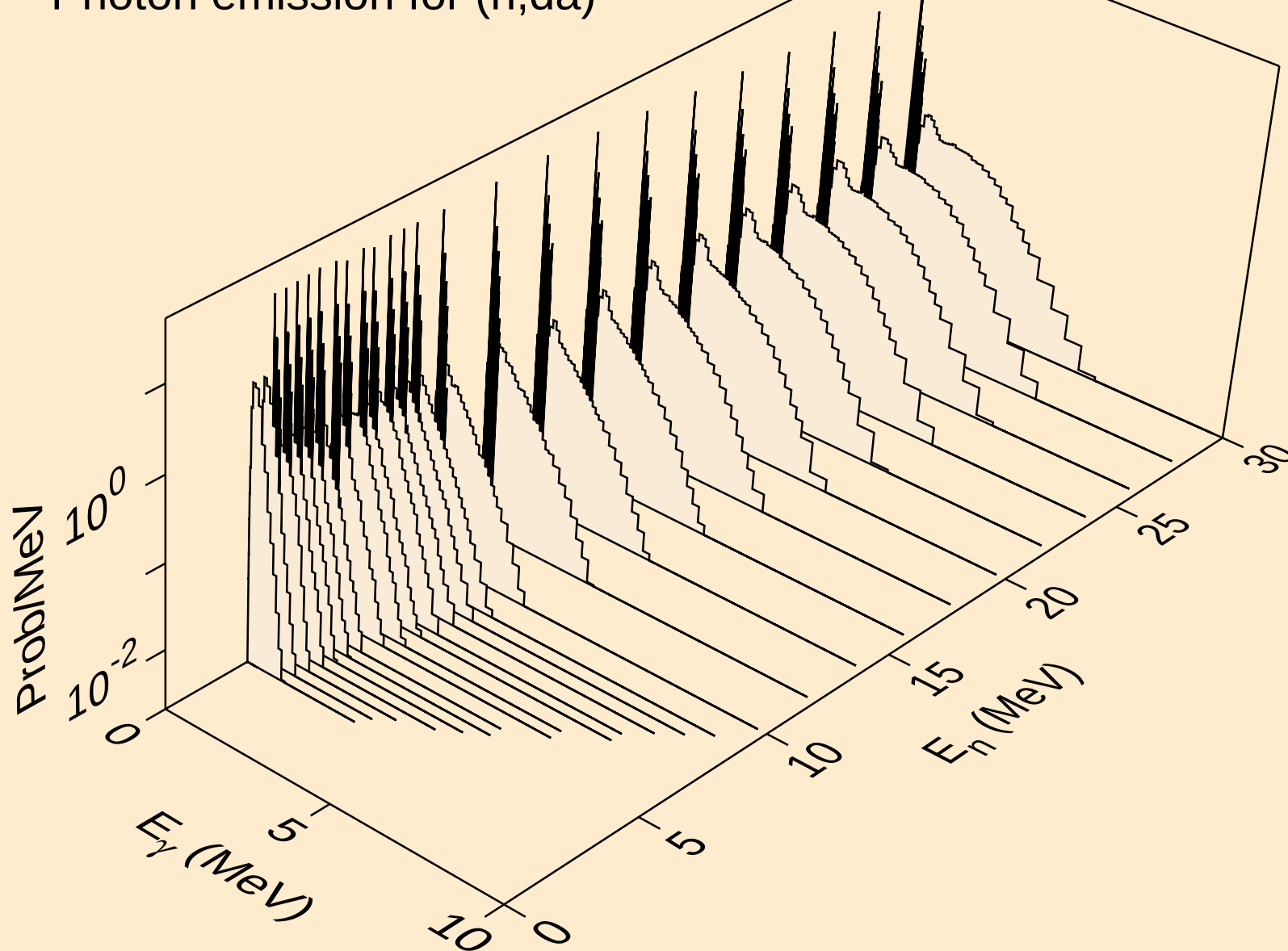
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



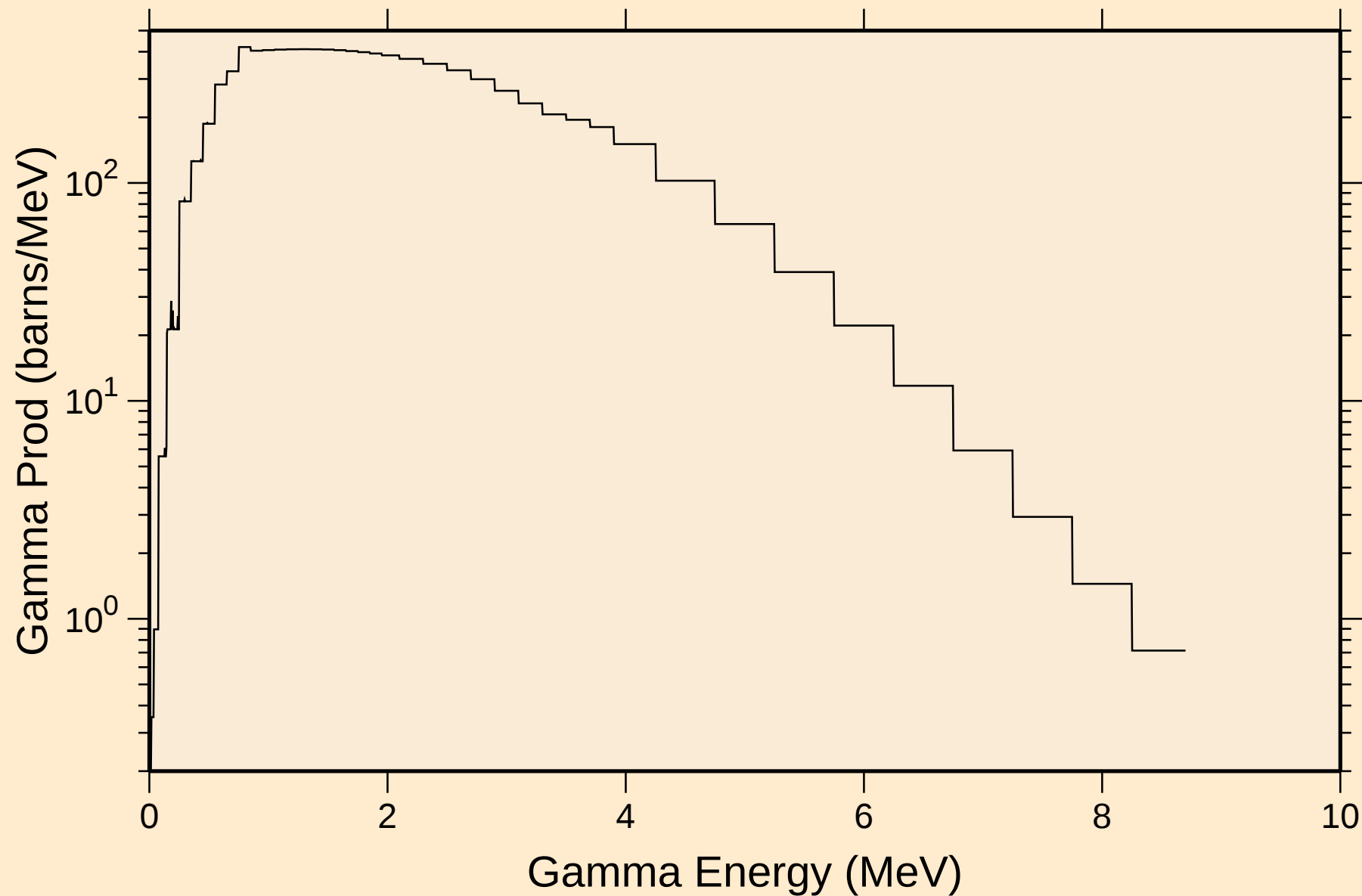
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



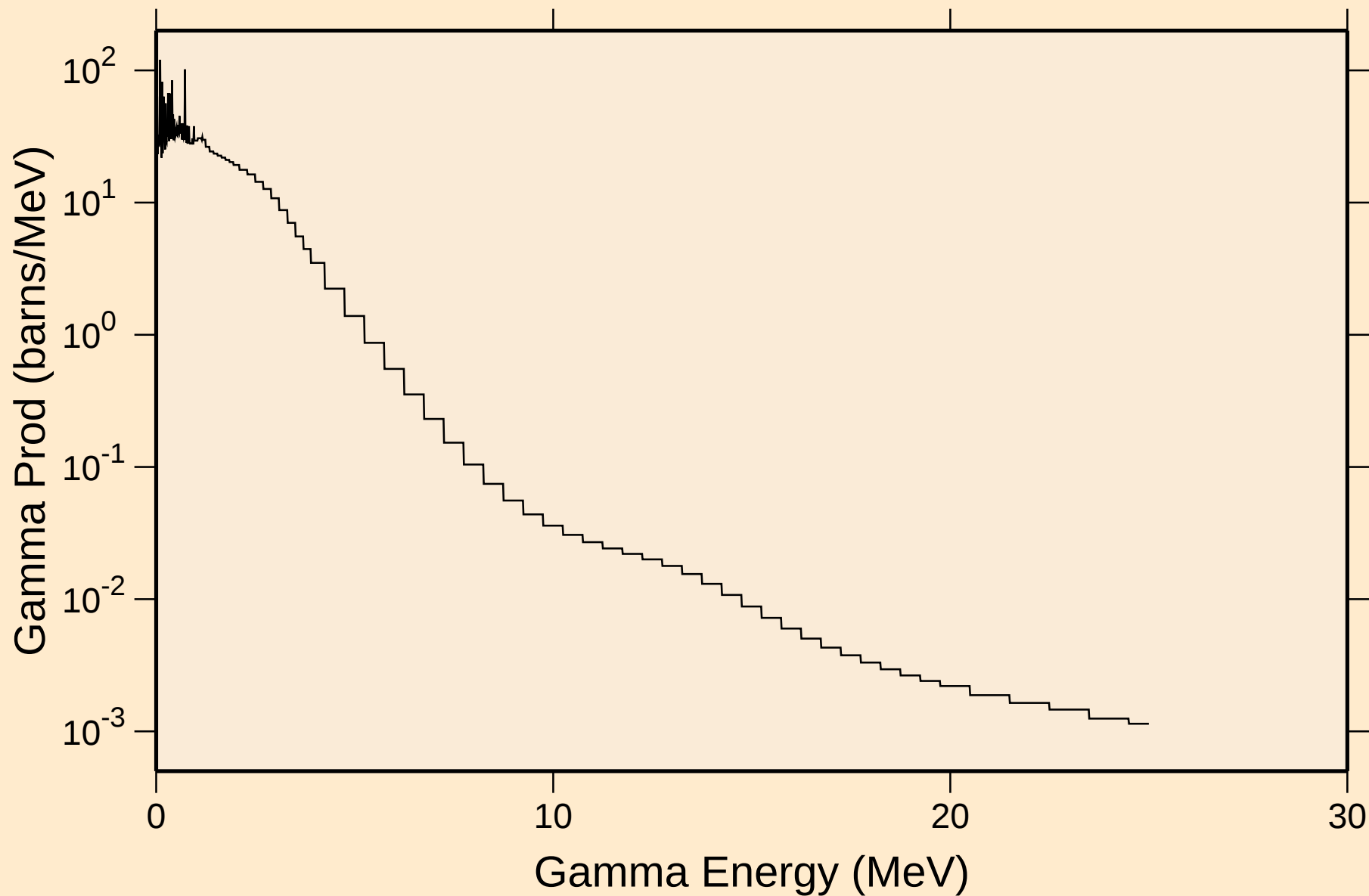
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



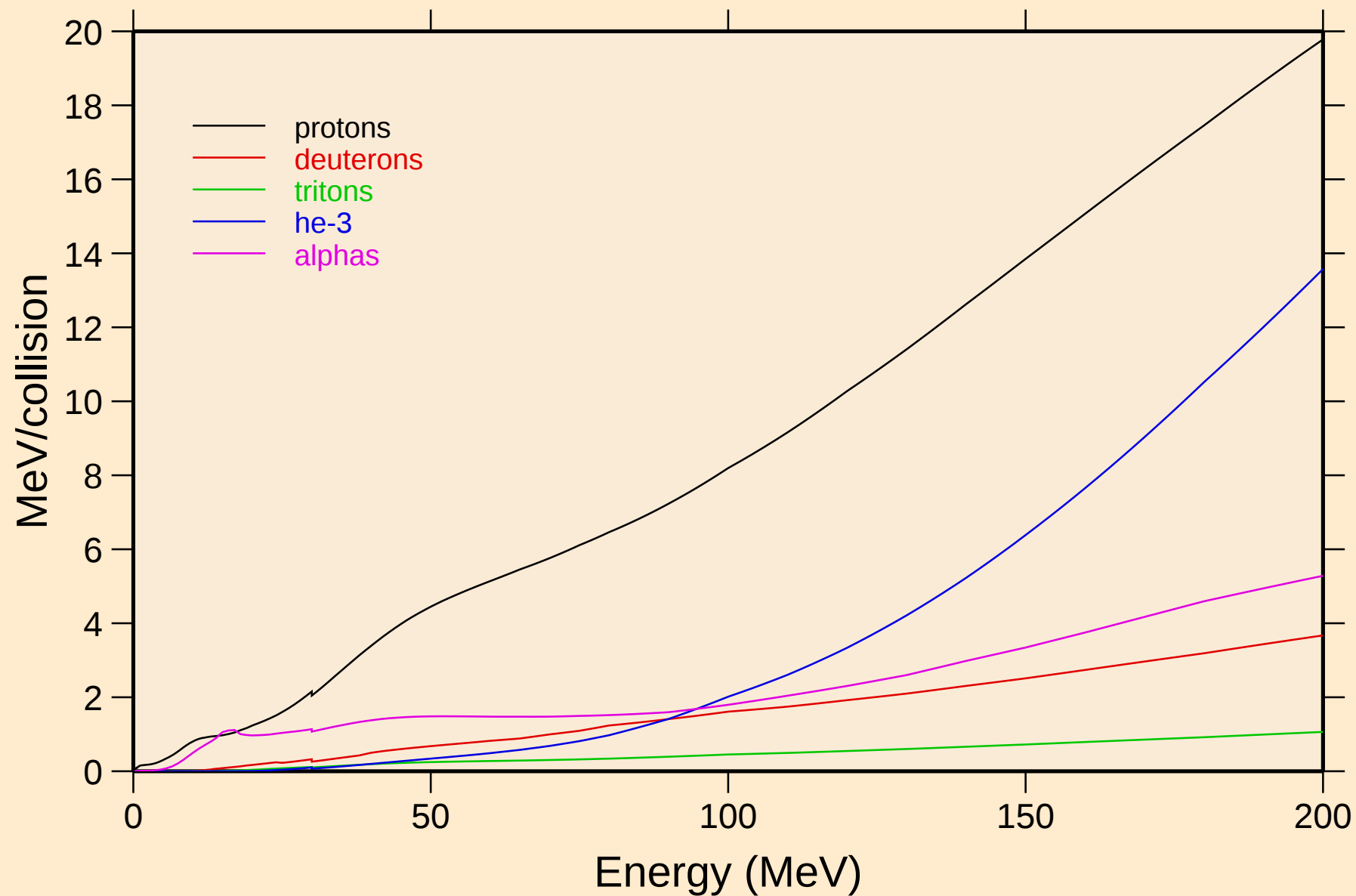
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

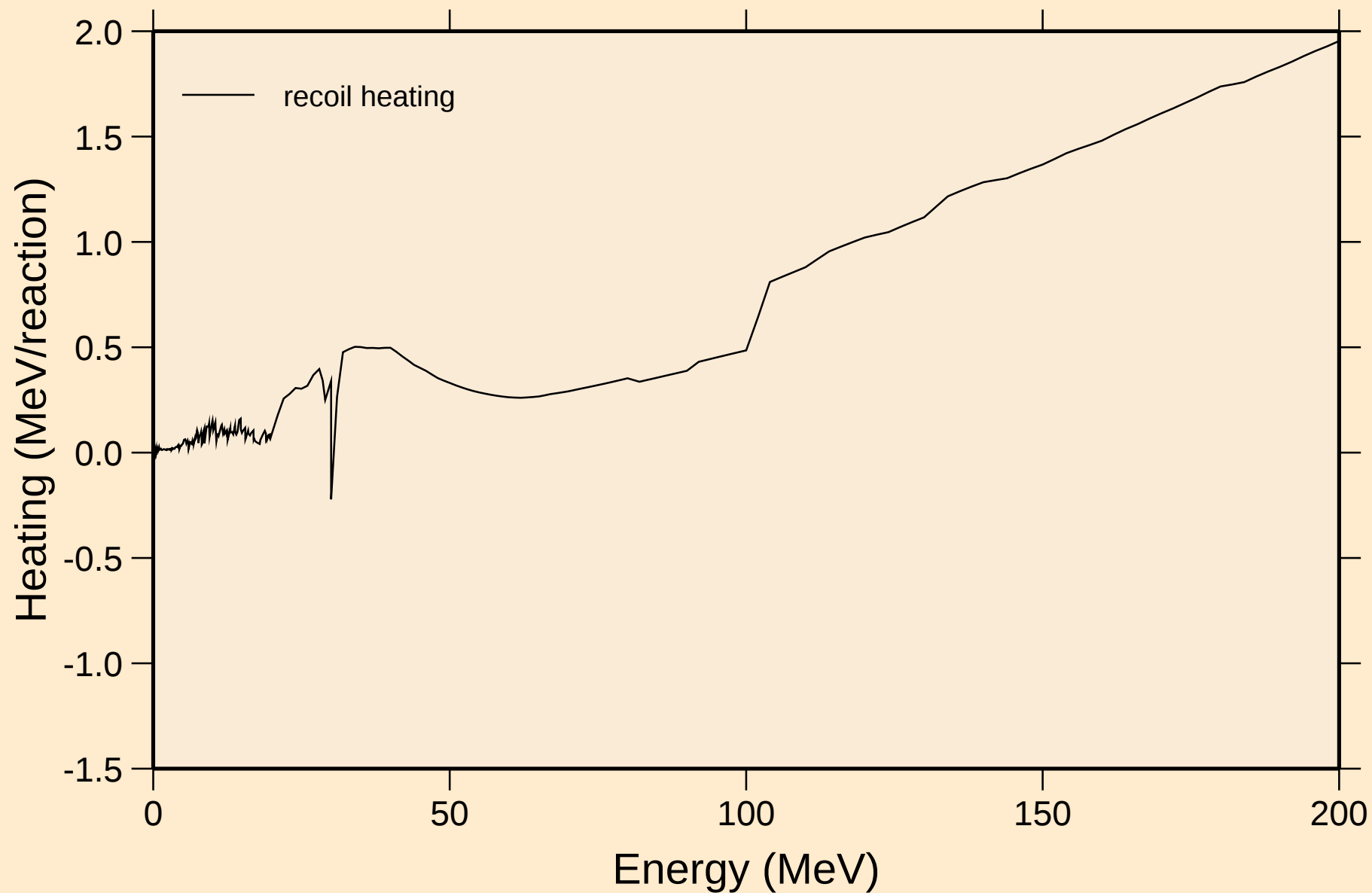


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions



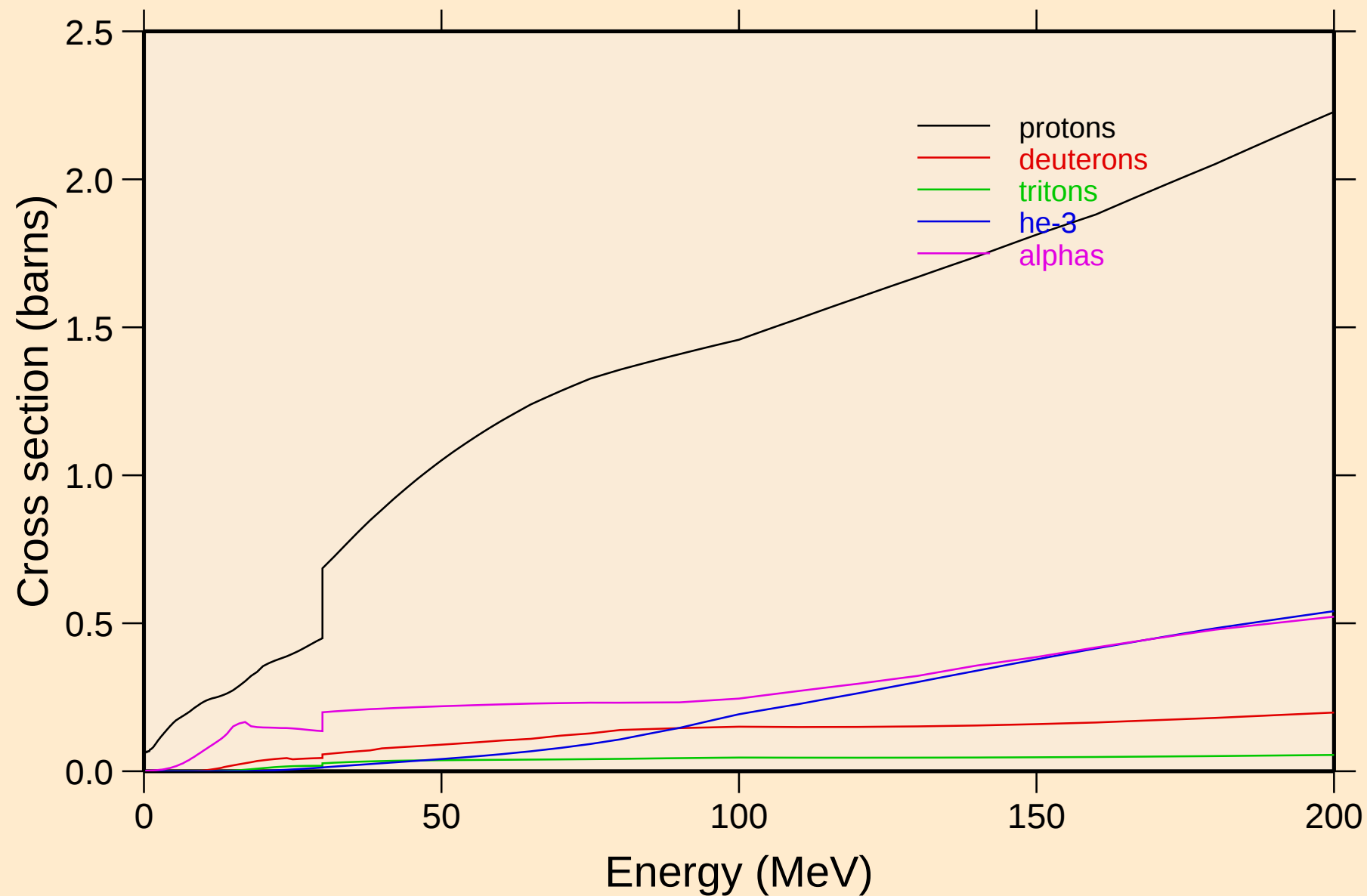
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

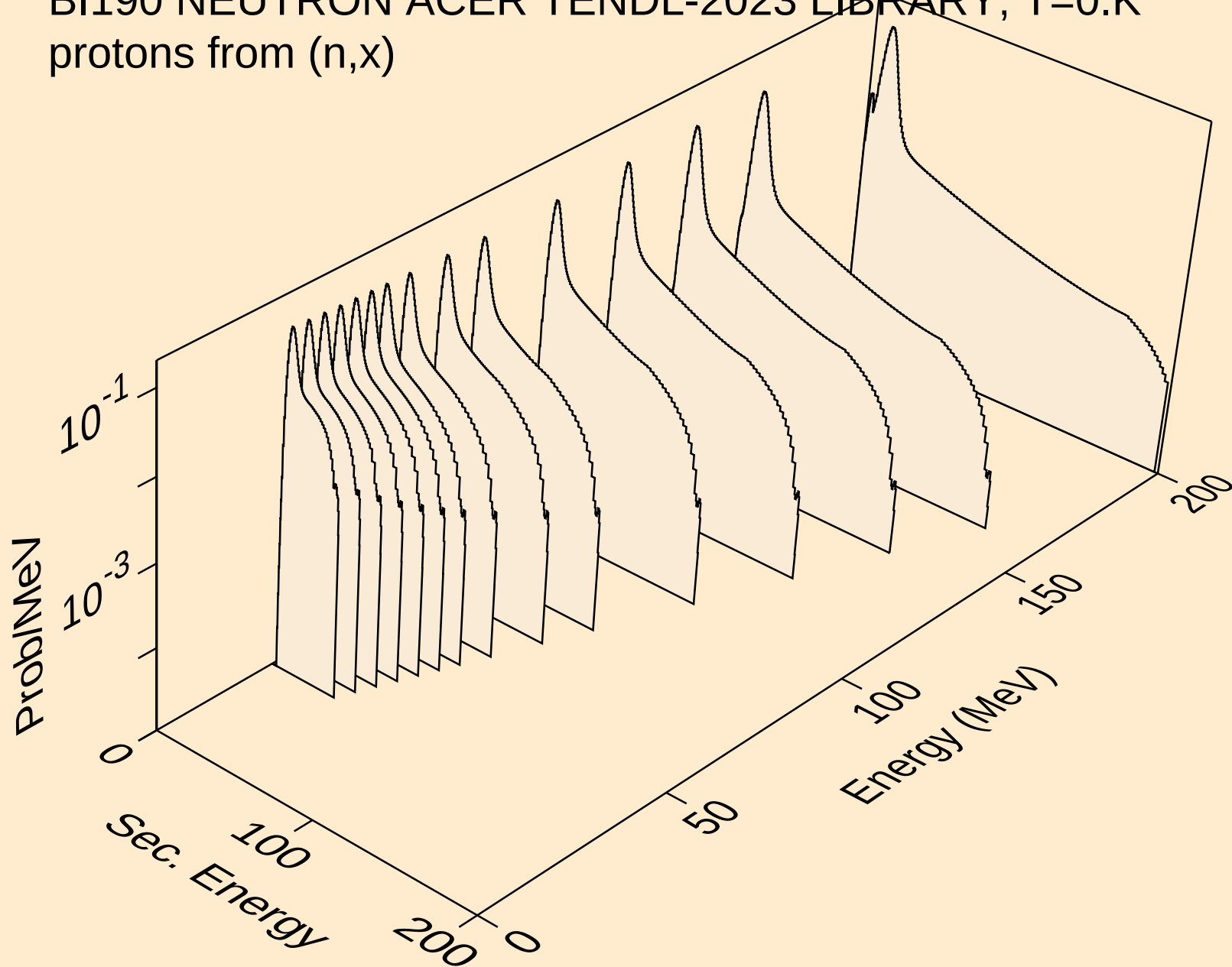


BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

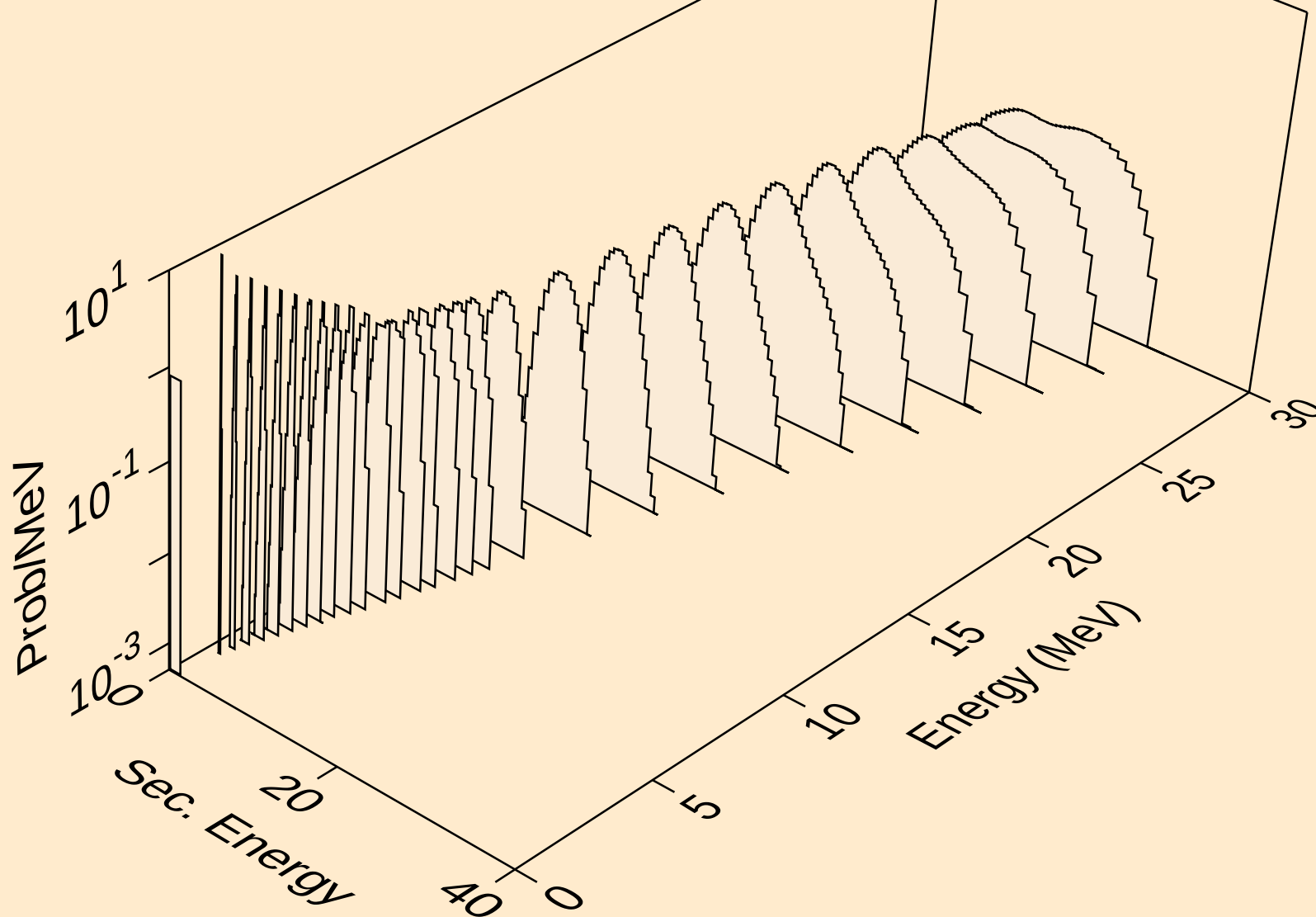
Particle production cross sections



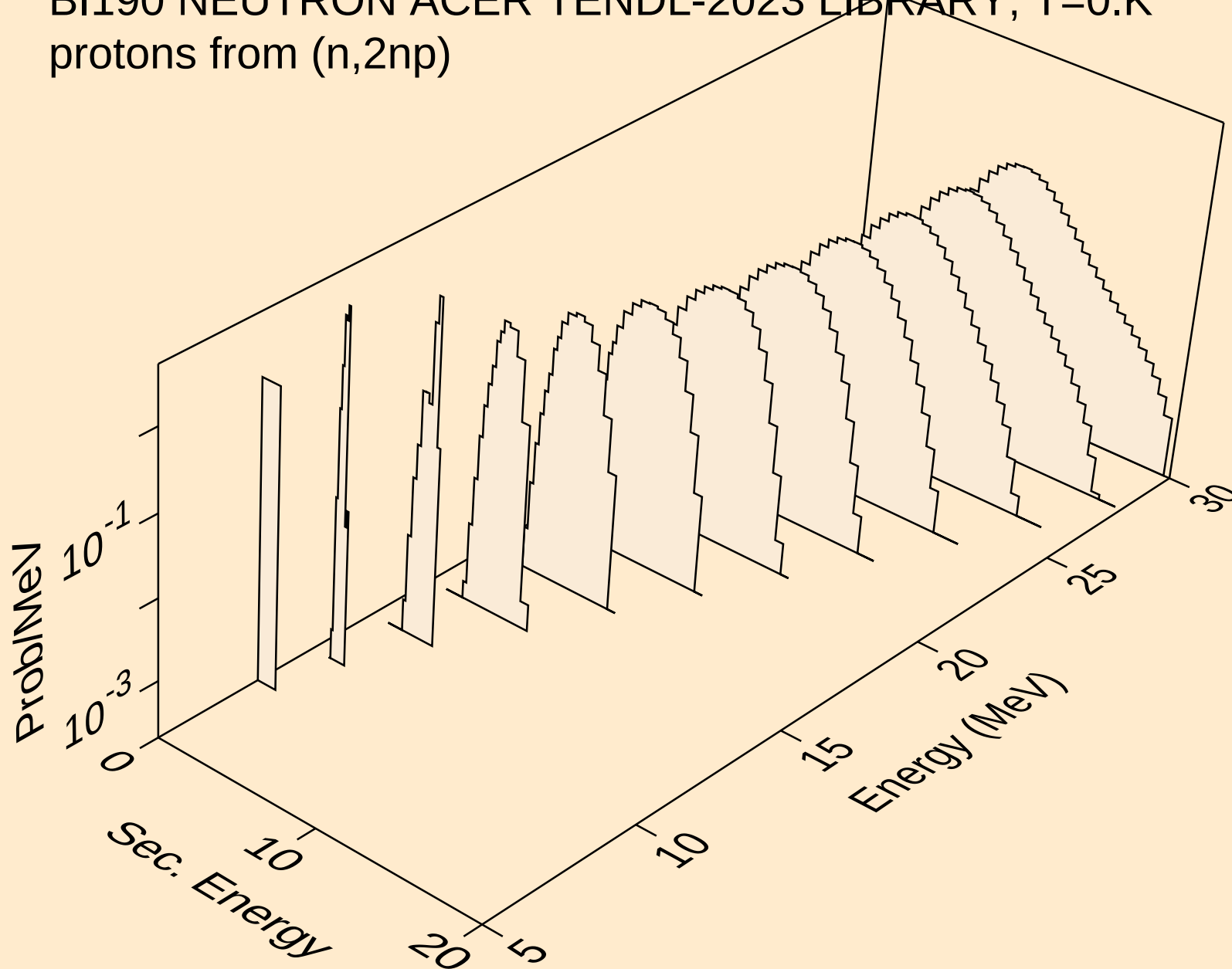
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



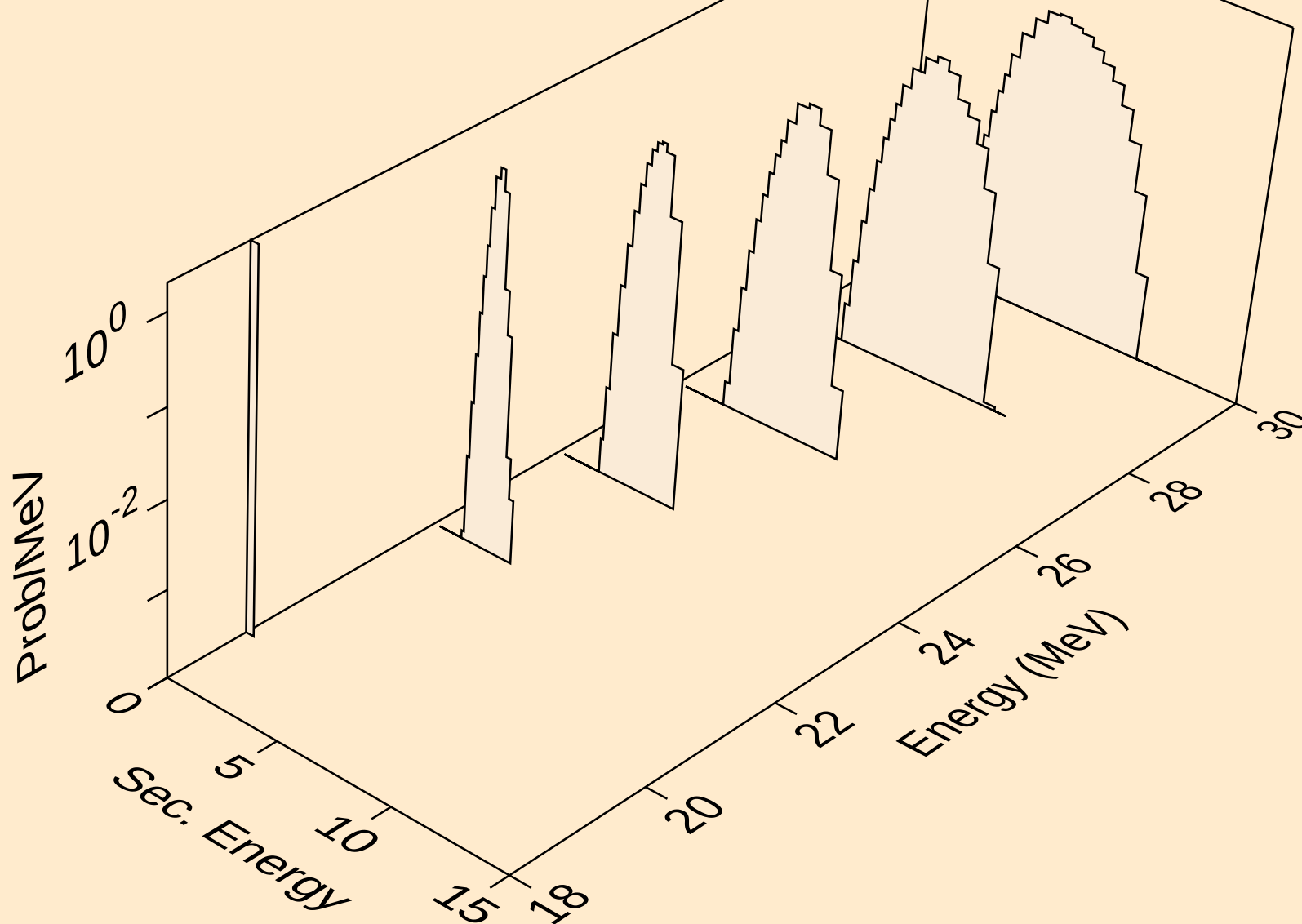
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



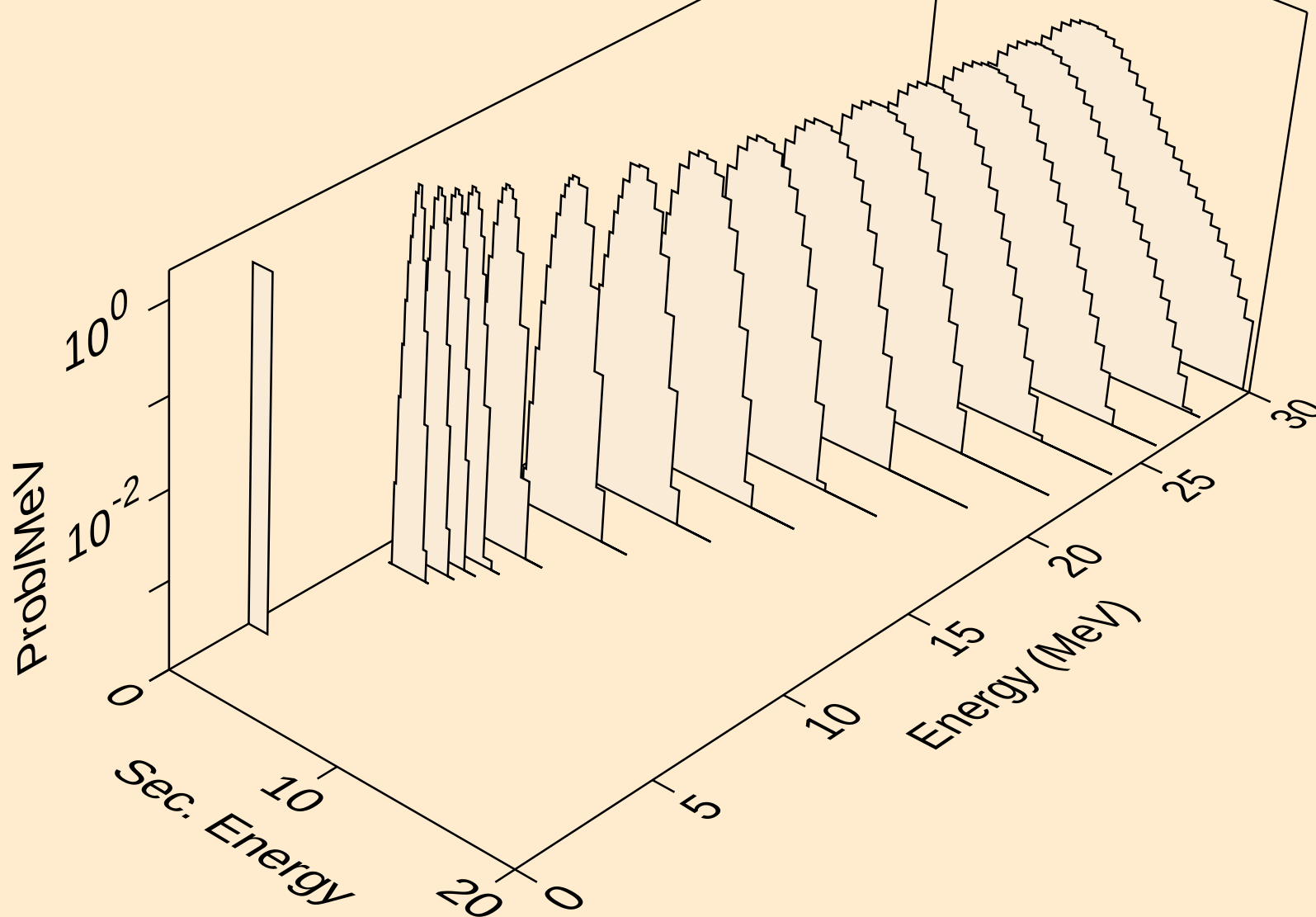
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



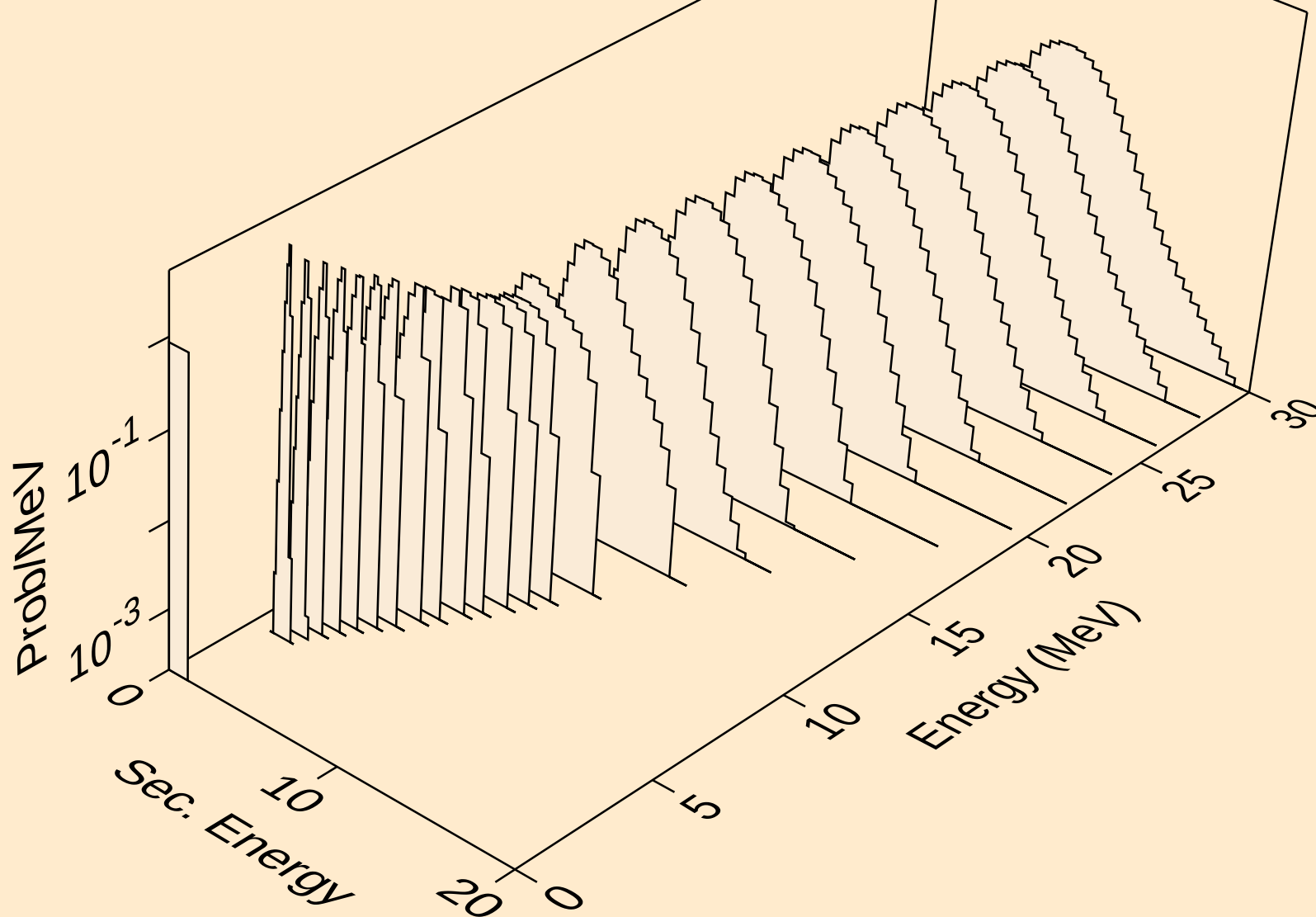
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



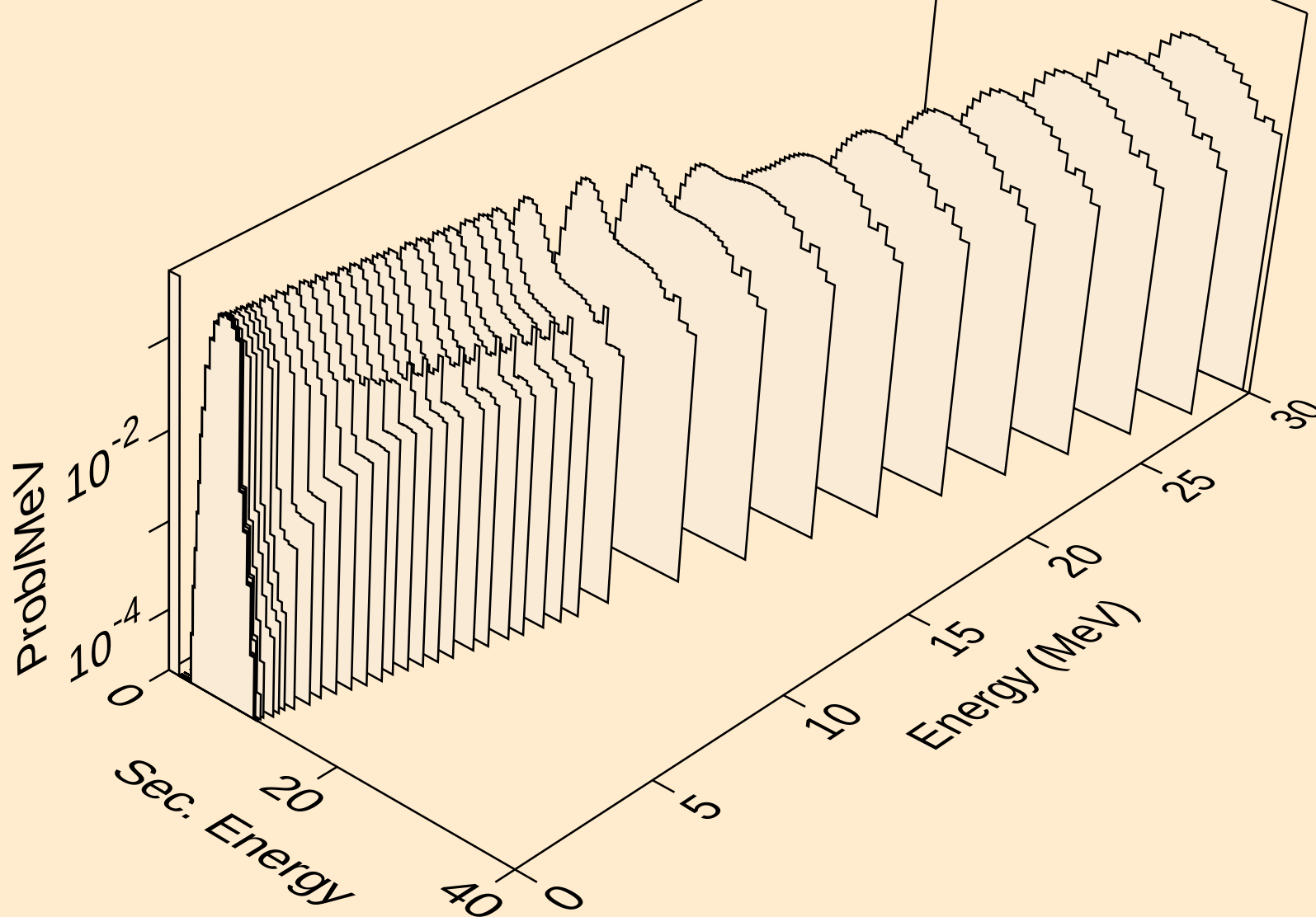
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protons from (n,n2p)



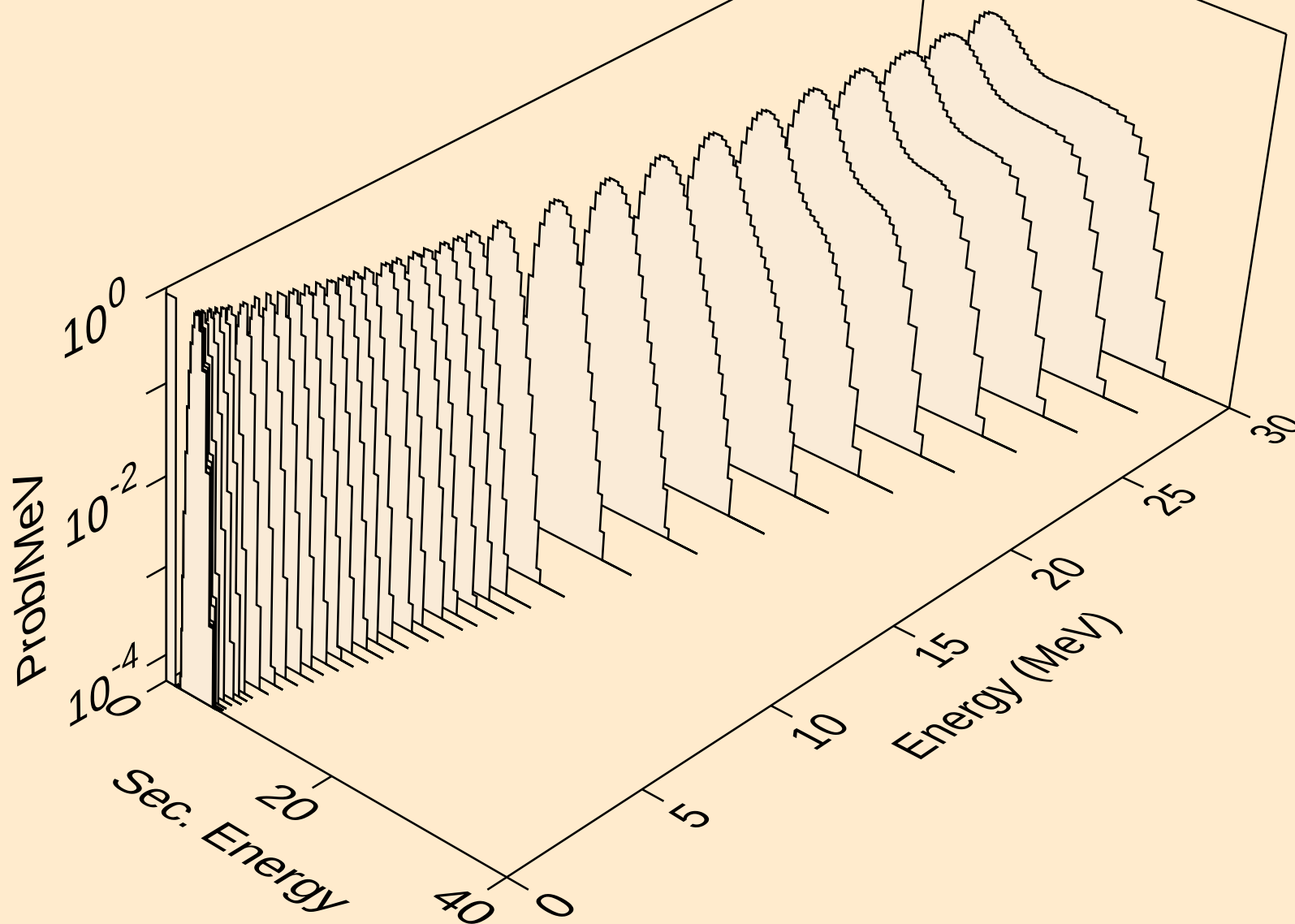
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



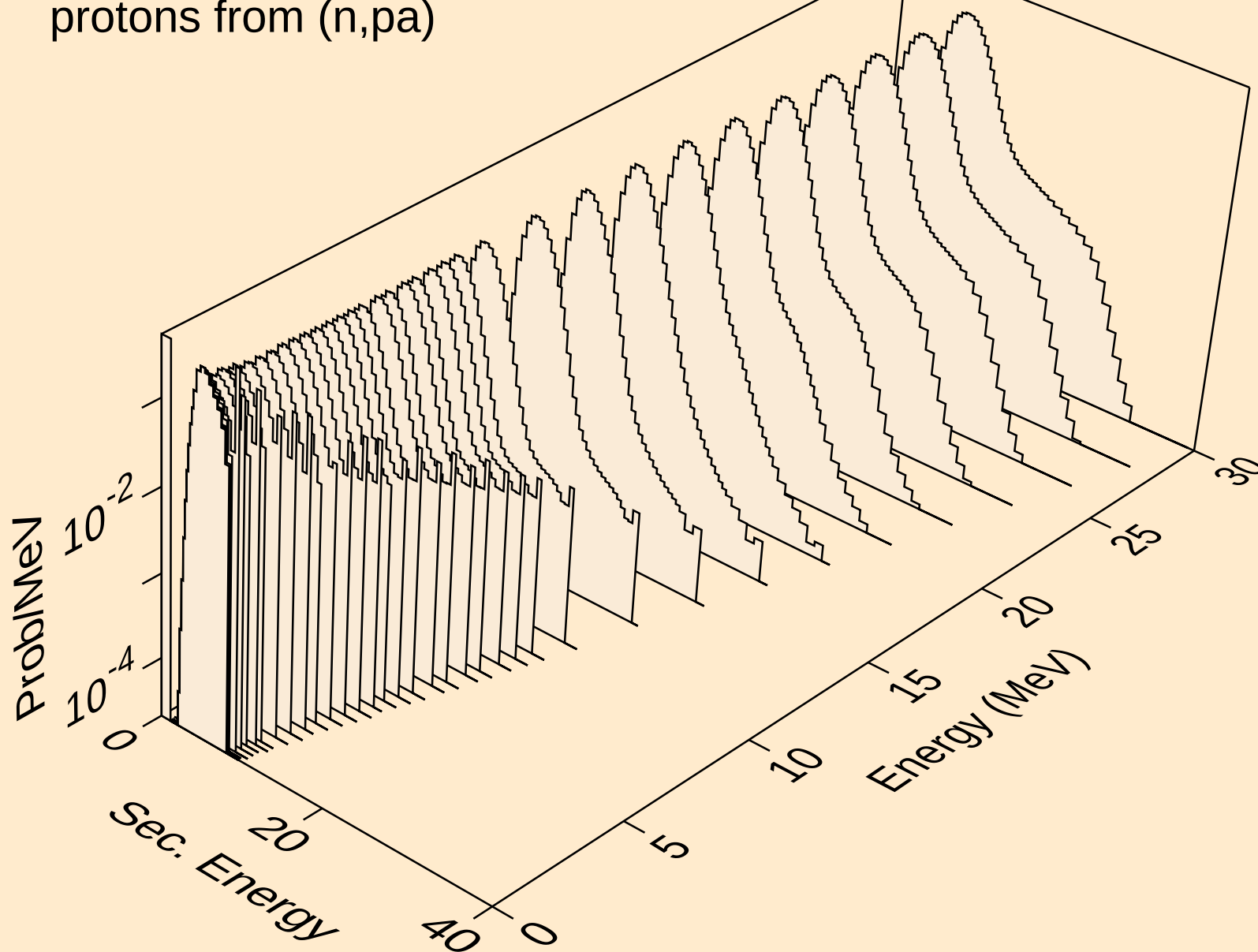
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protons from (n,p)



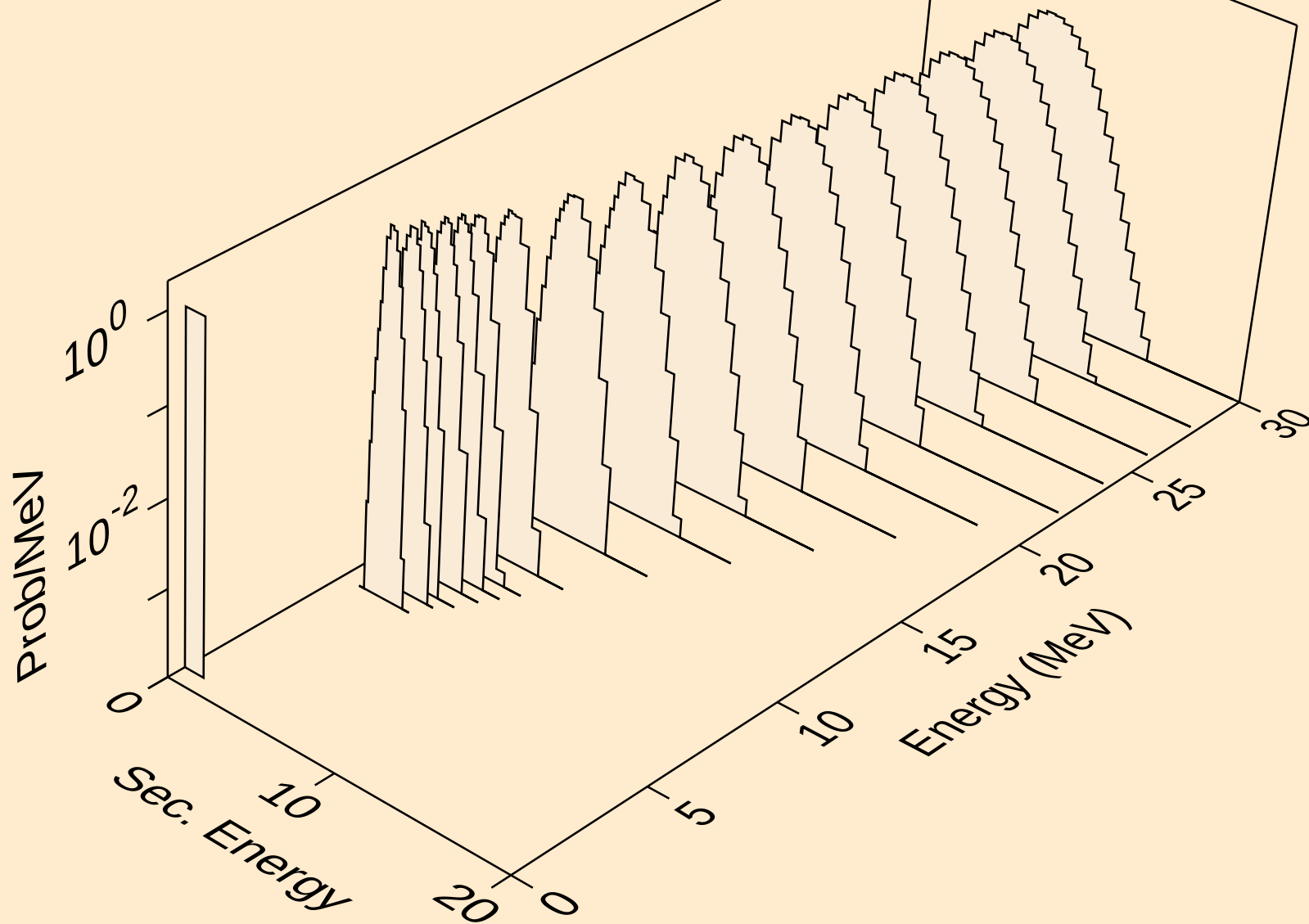
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protons from (n,2p)



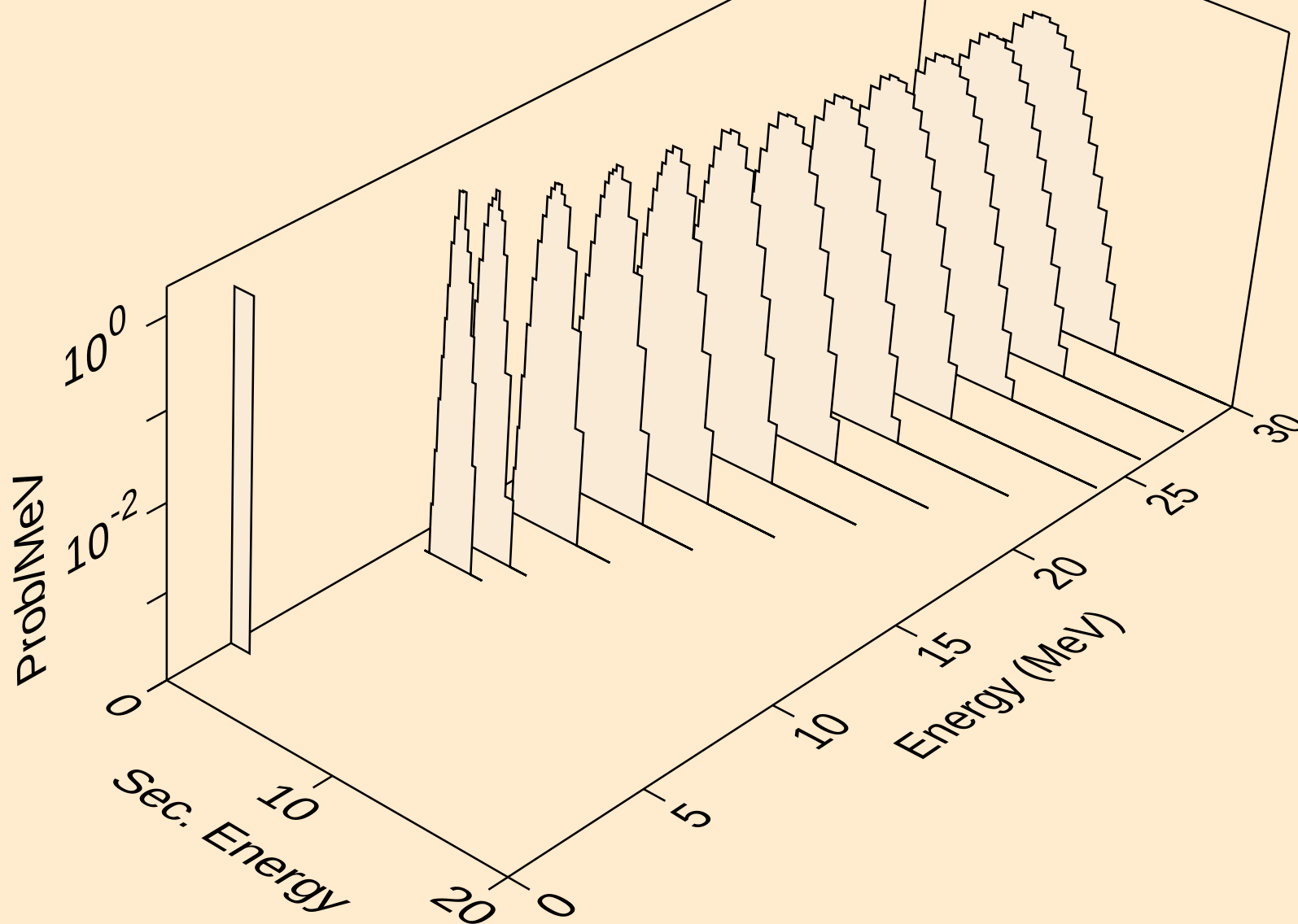
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protons from (n,p)



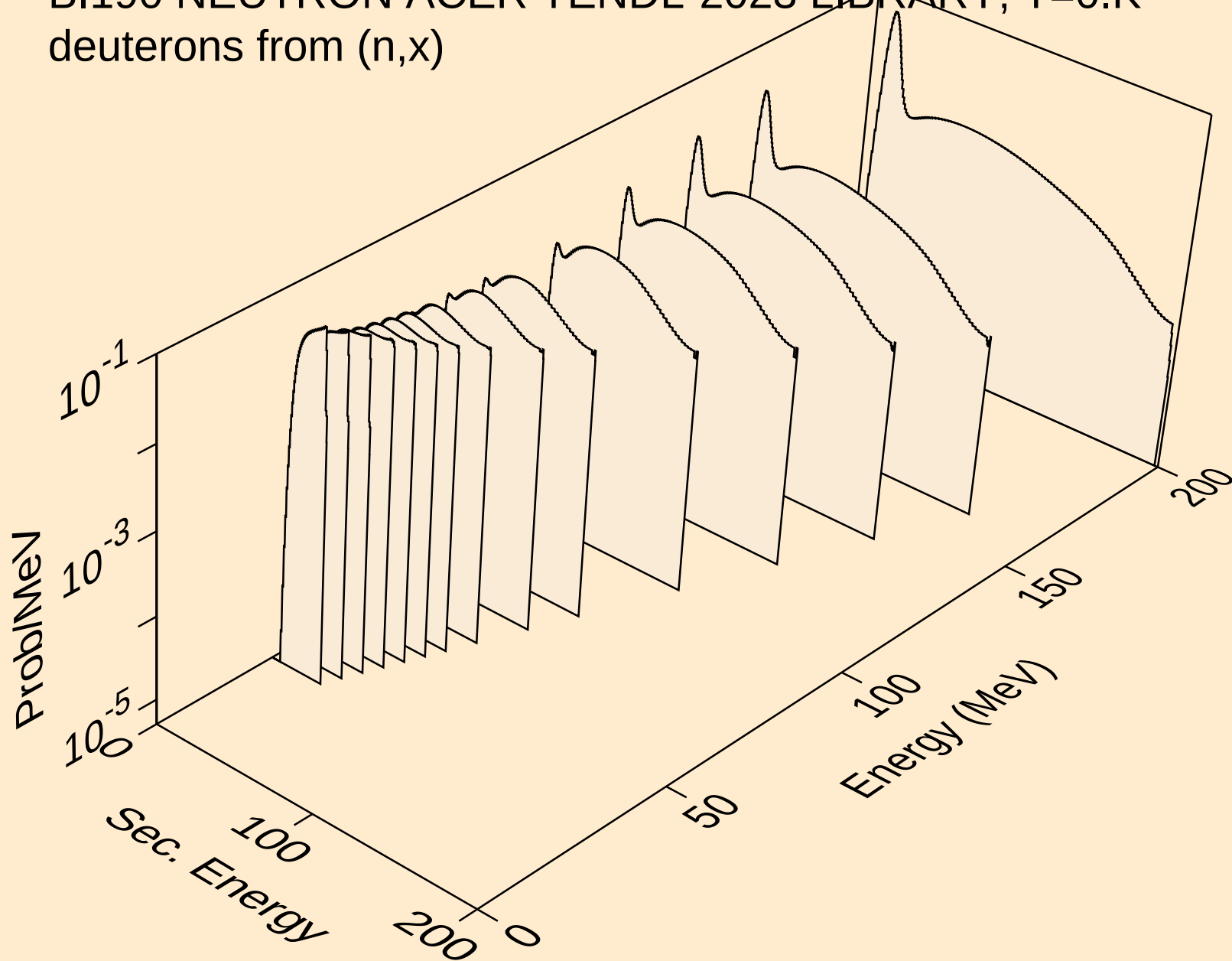
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



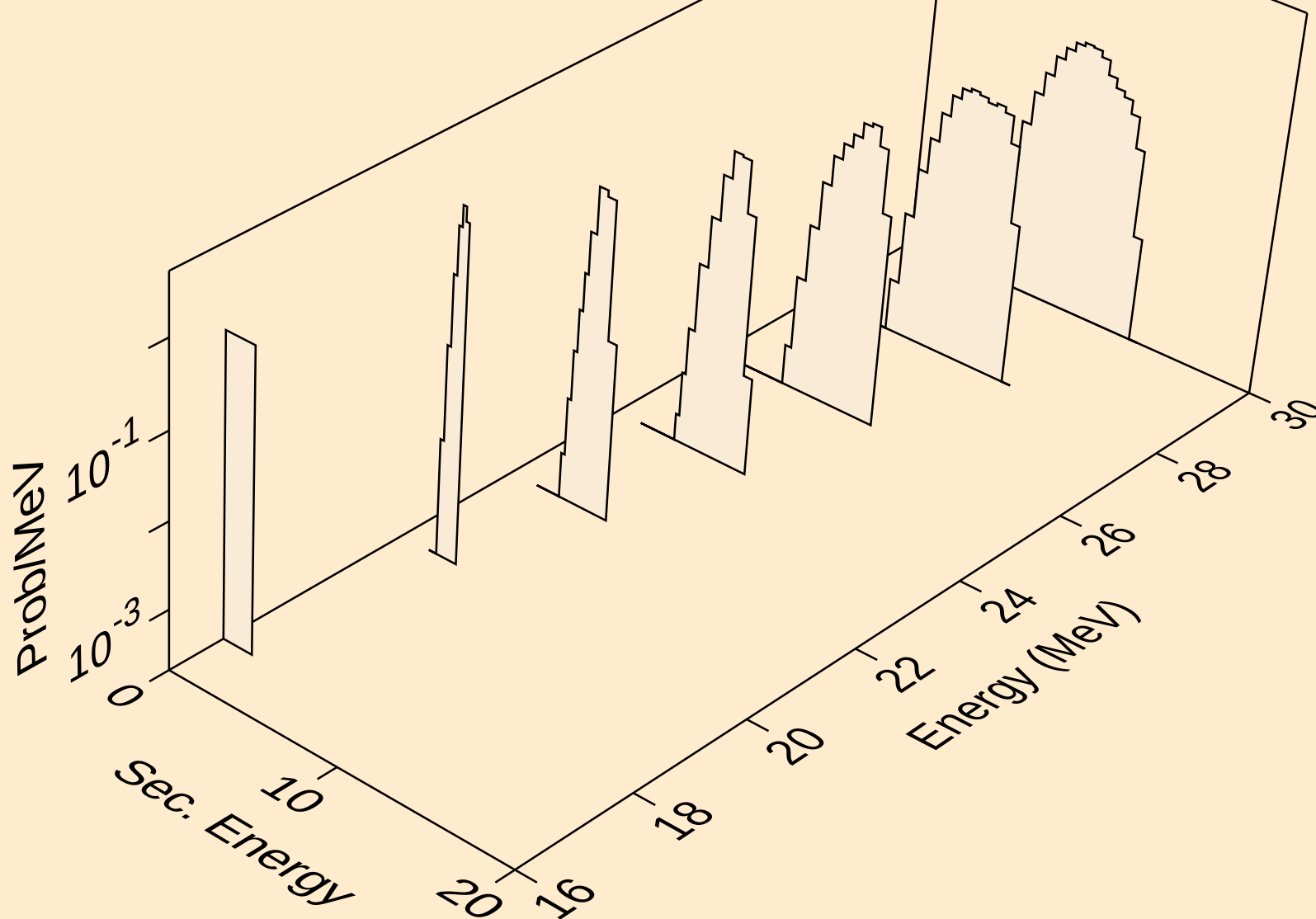
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



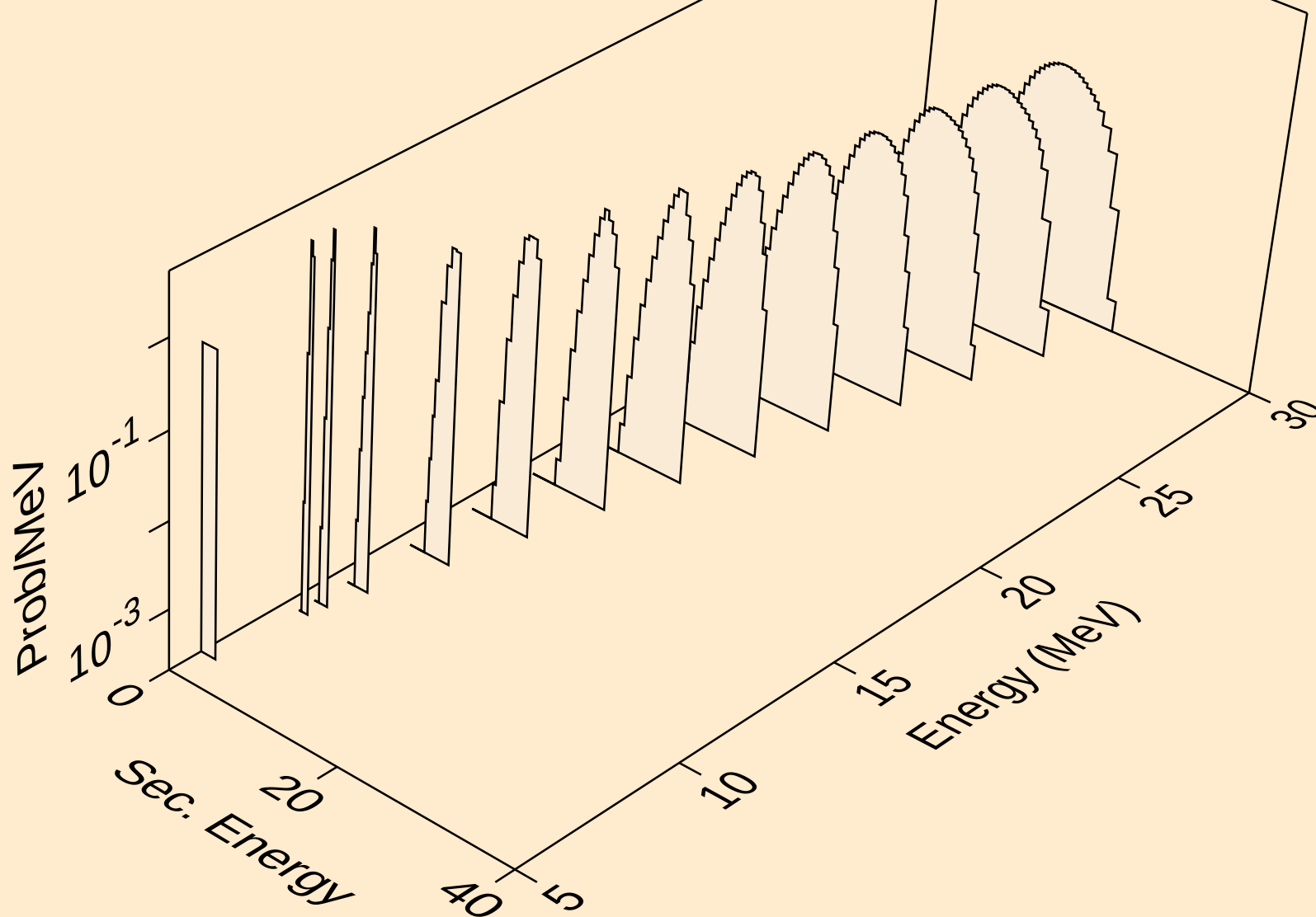
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



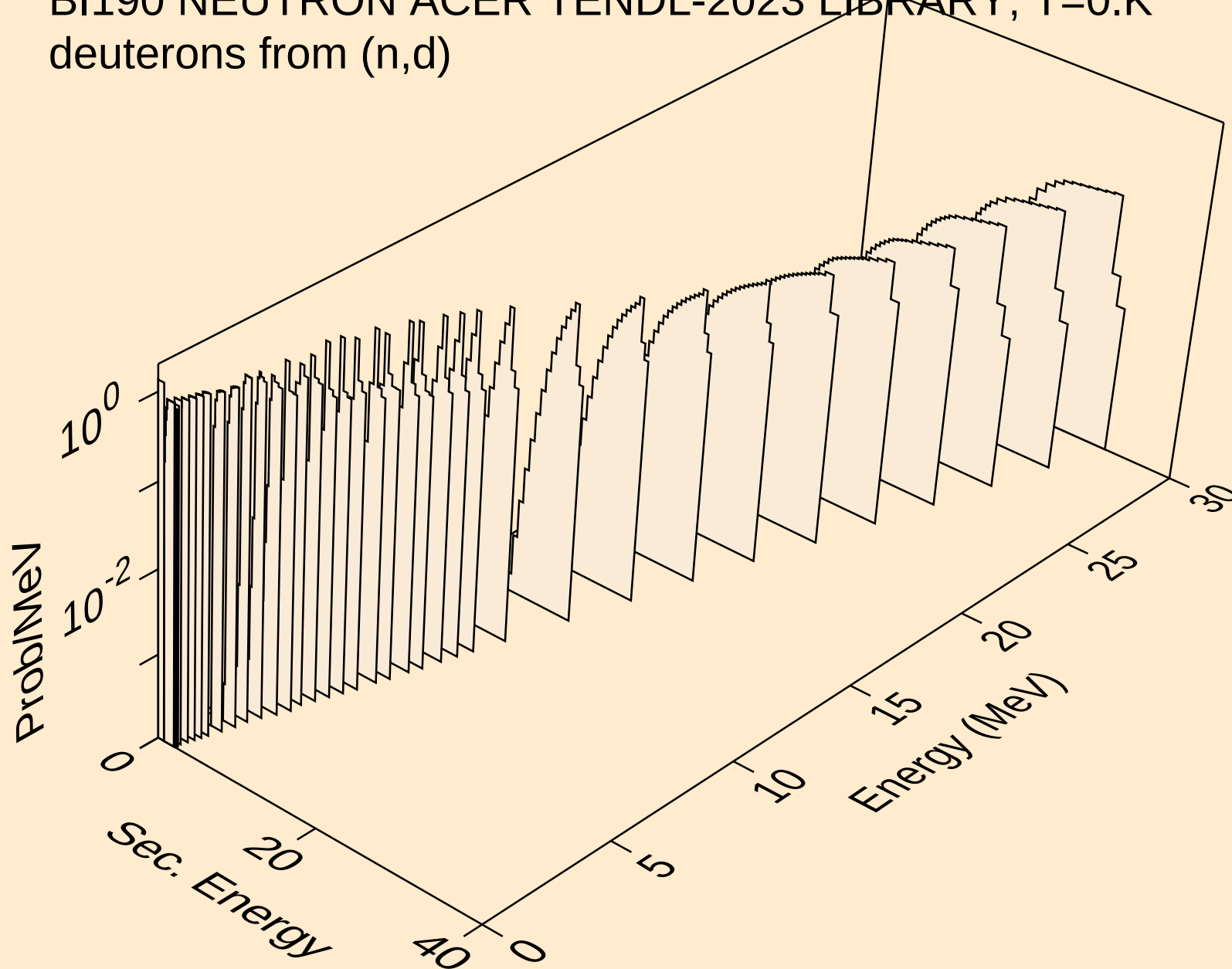
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,2nd)



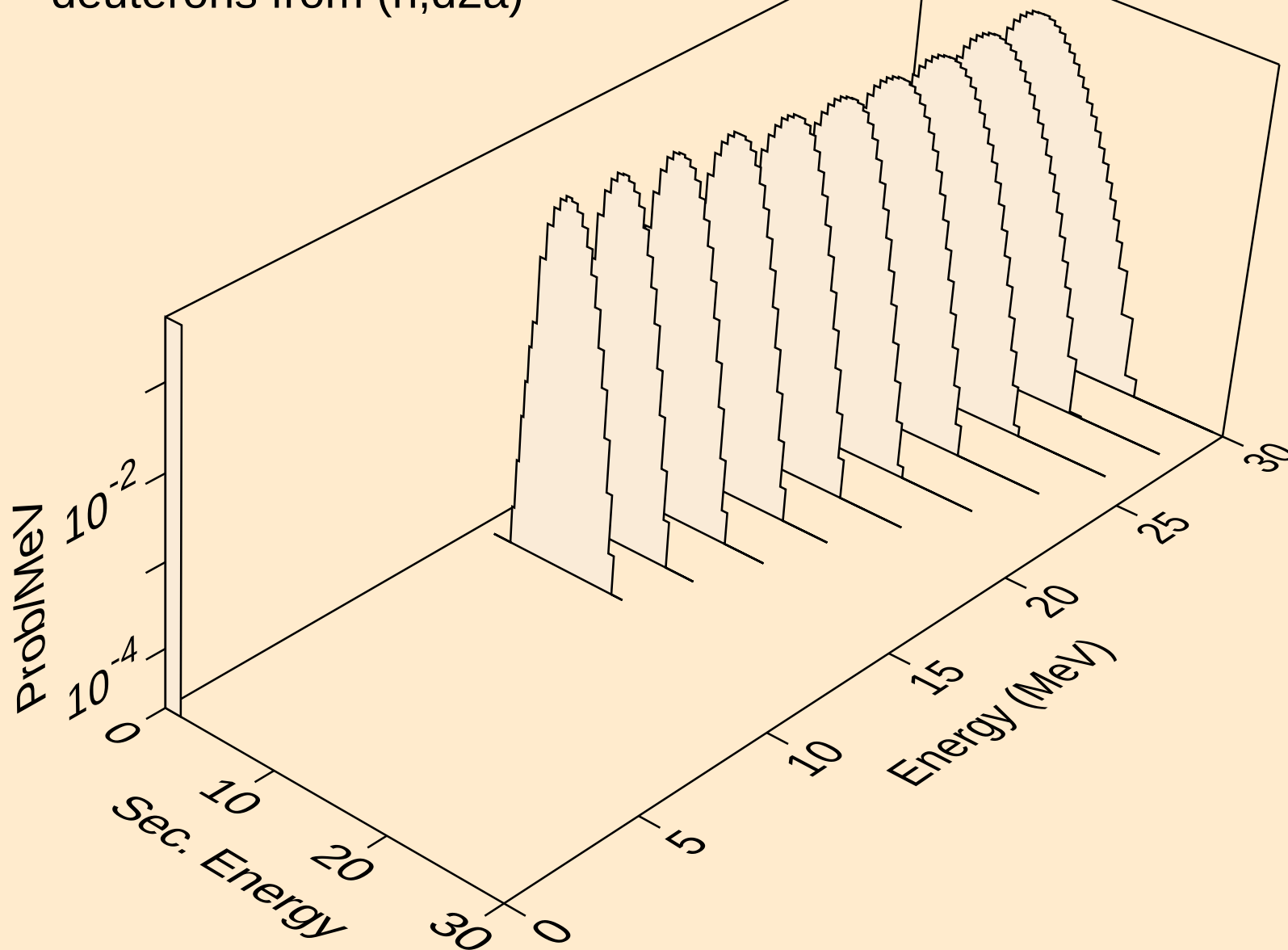
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



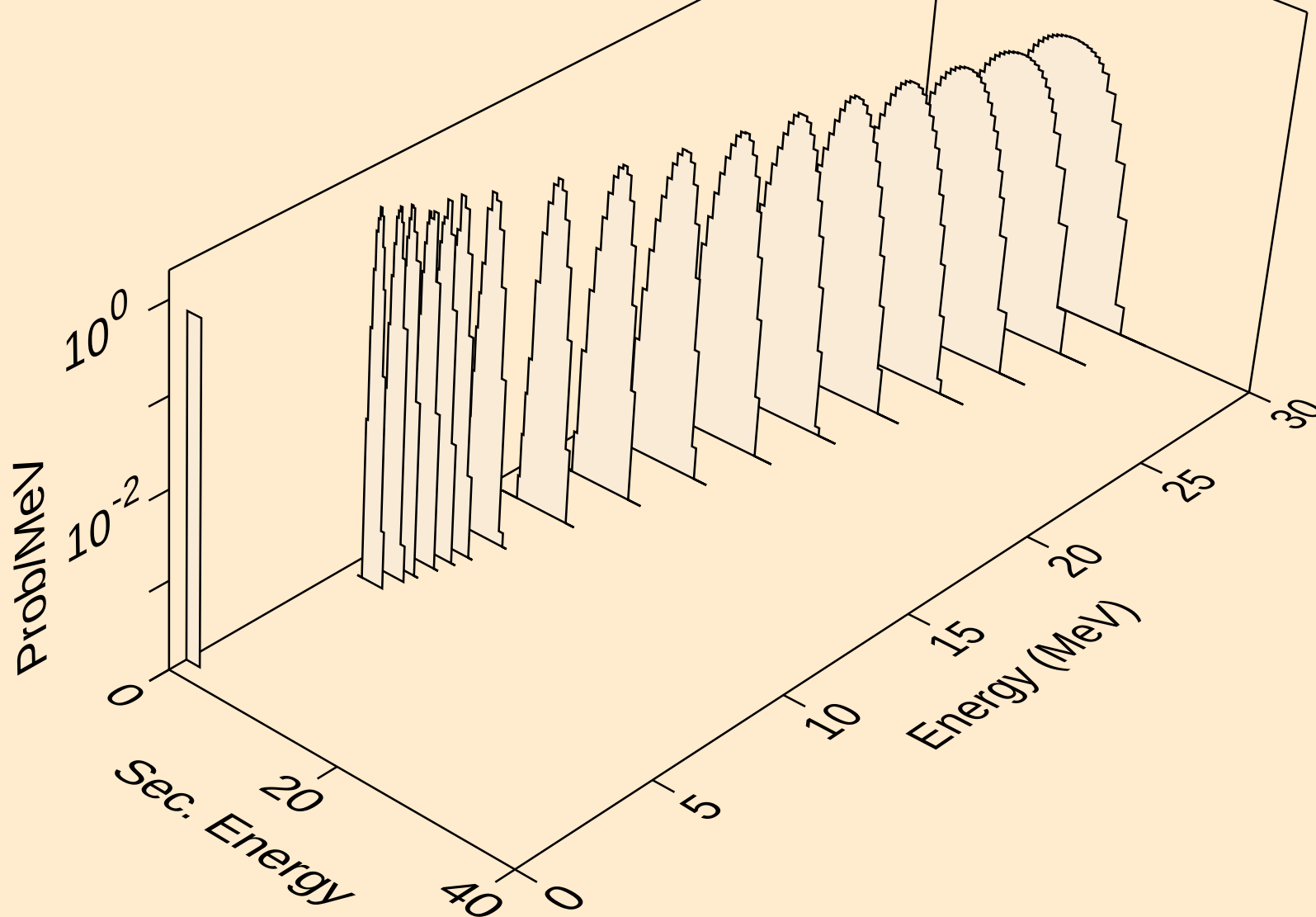
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deuterons from (n,d)



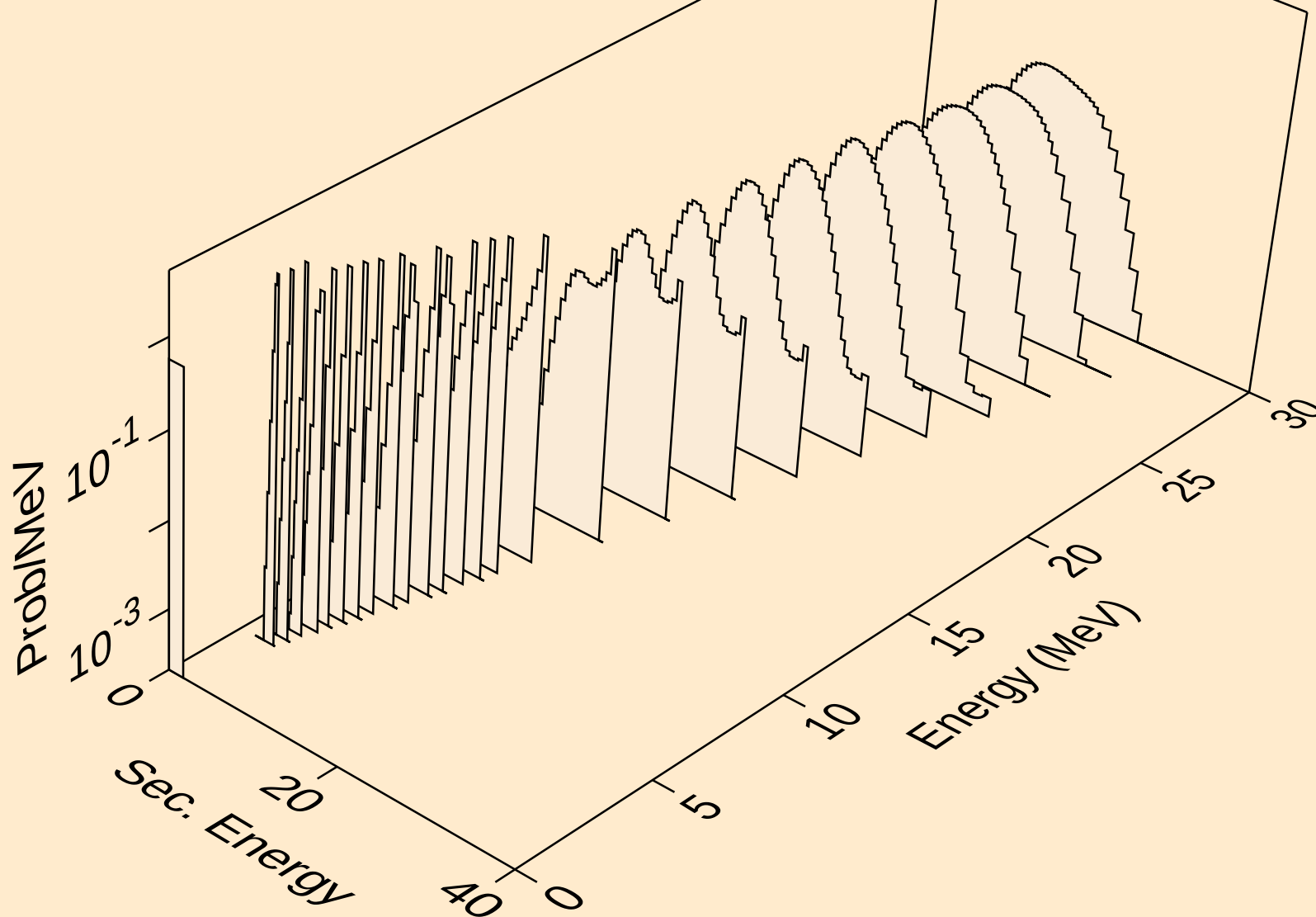
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d2a)



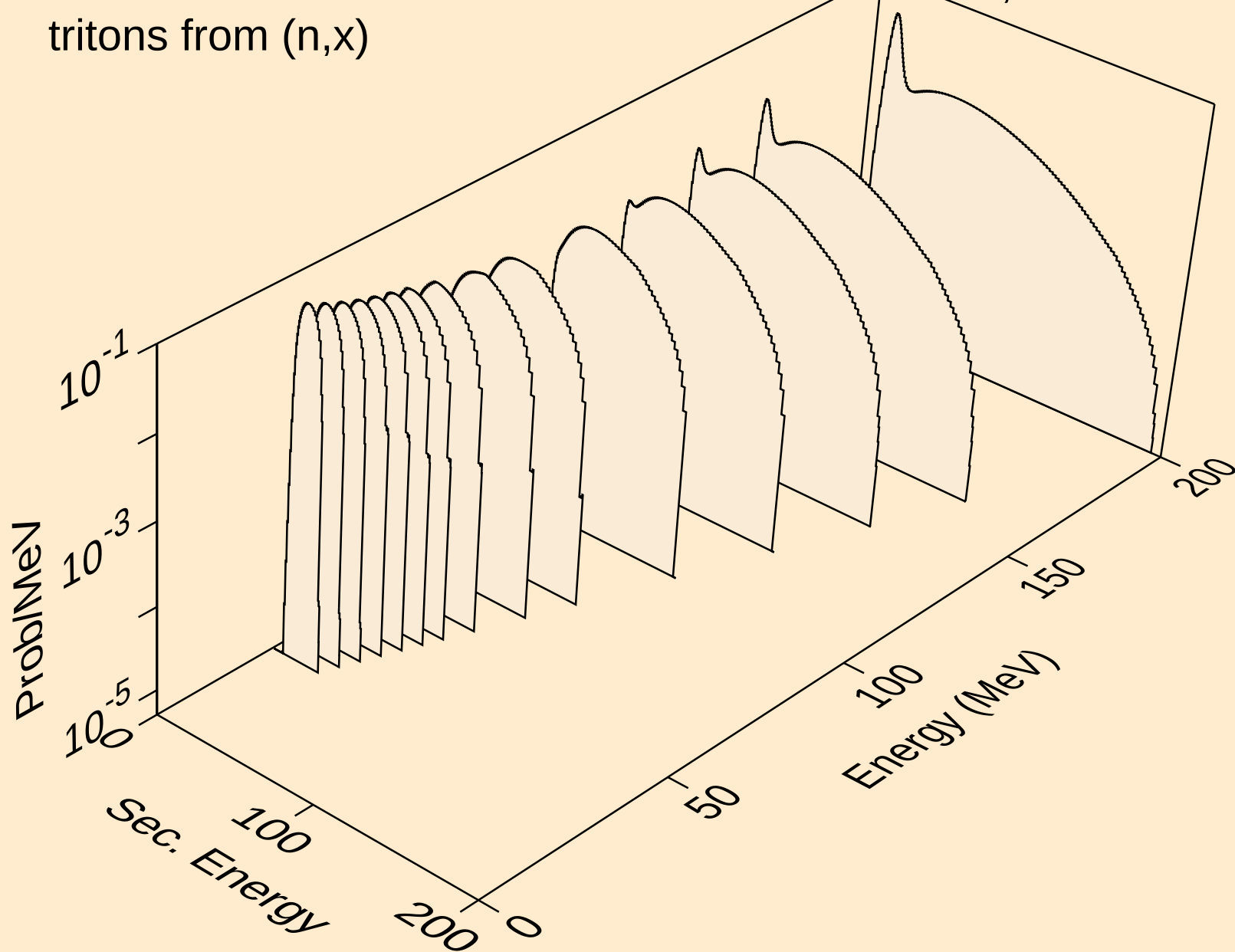
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deuterons from (n,pd)



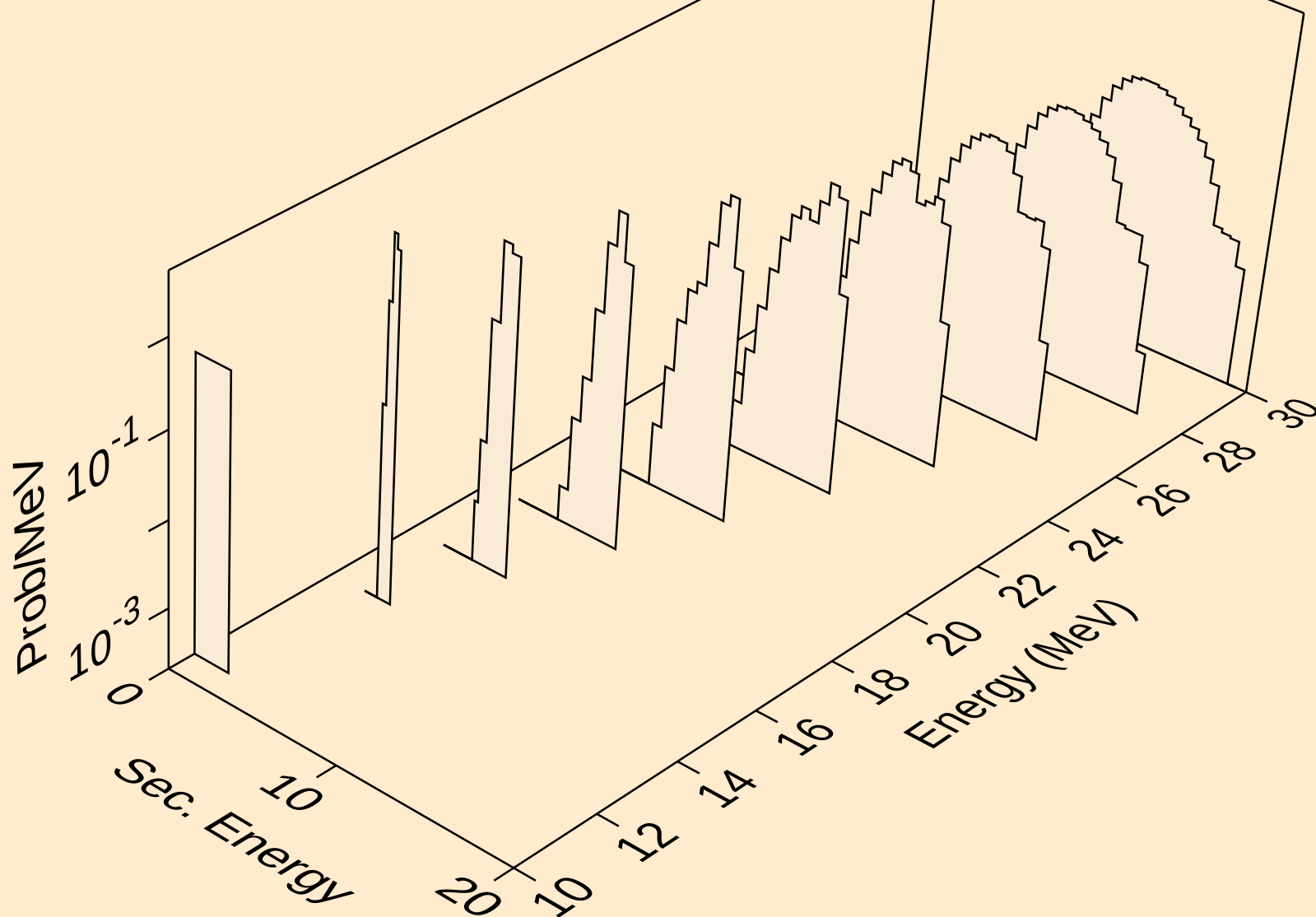
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



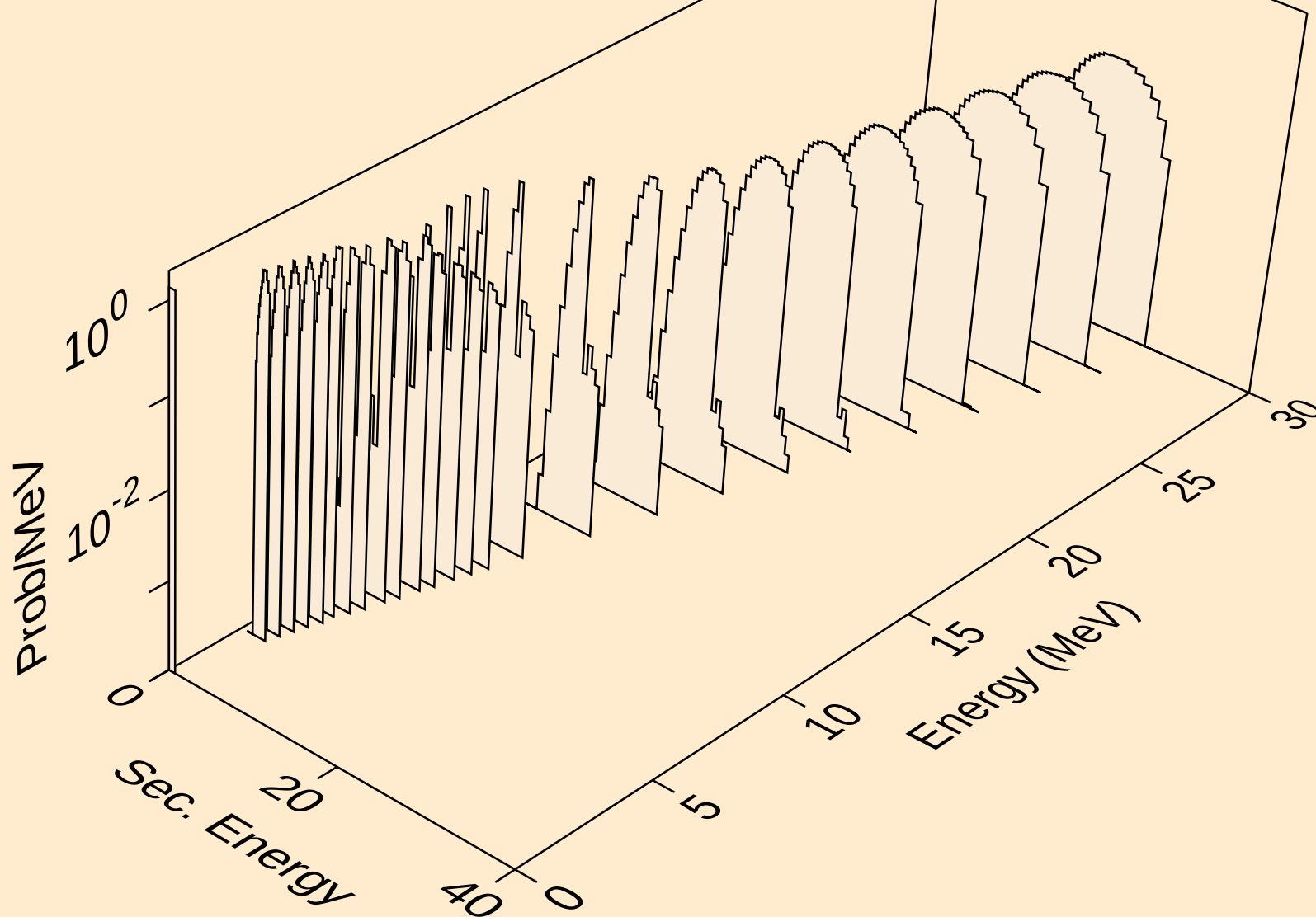
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



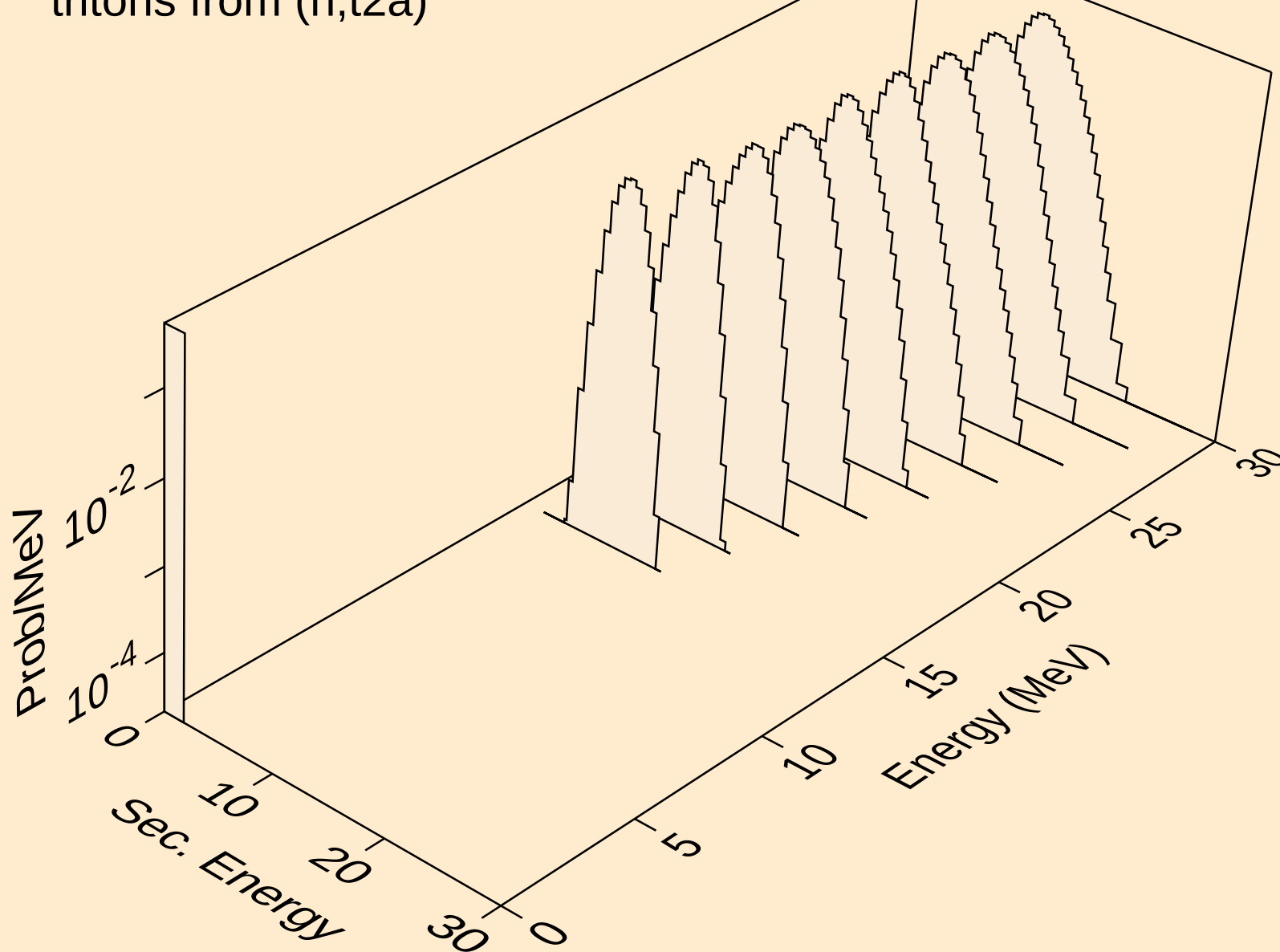
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



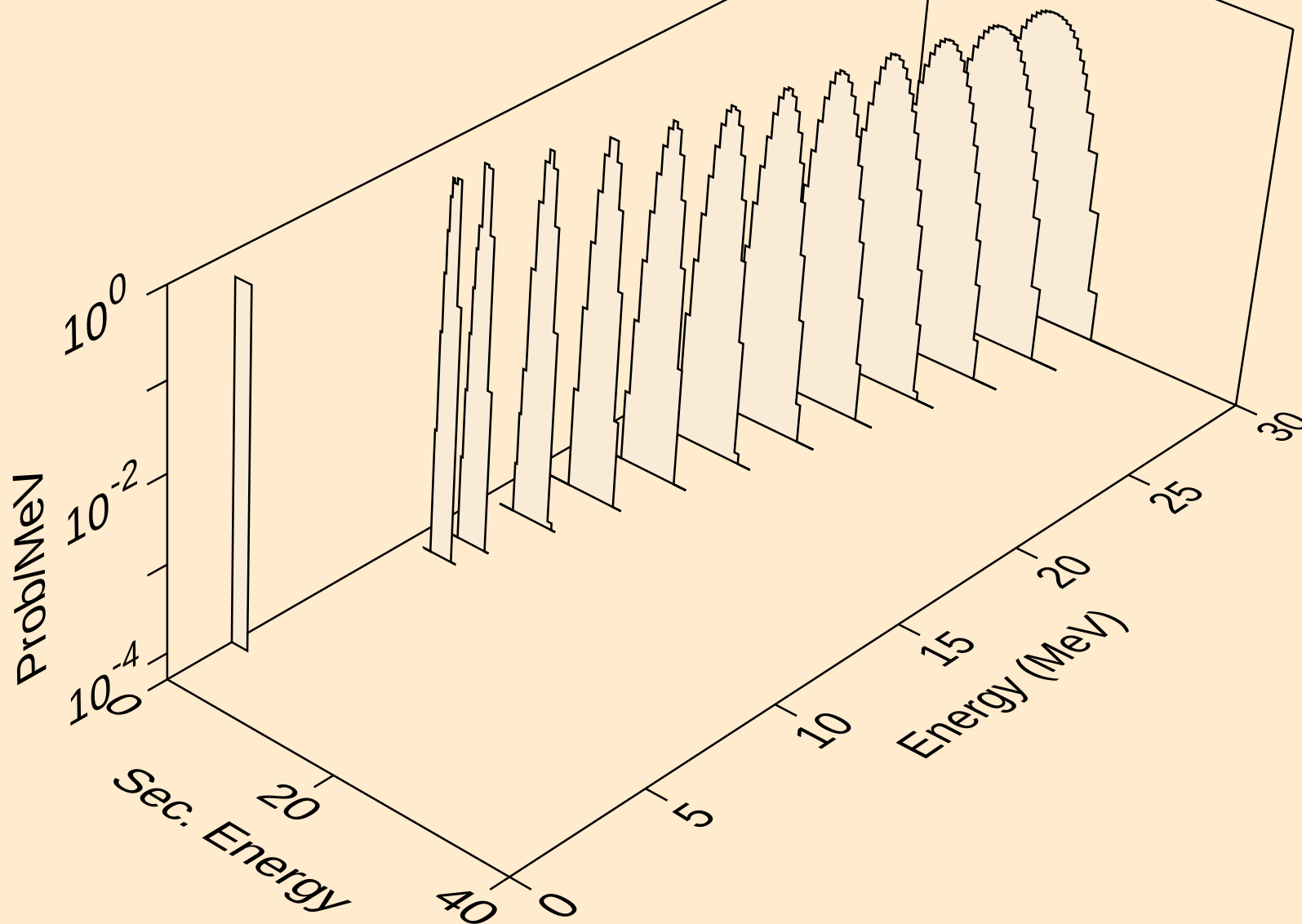
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



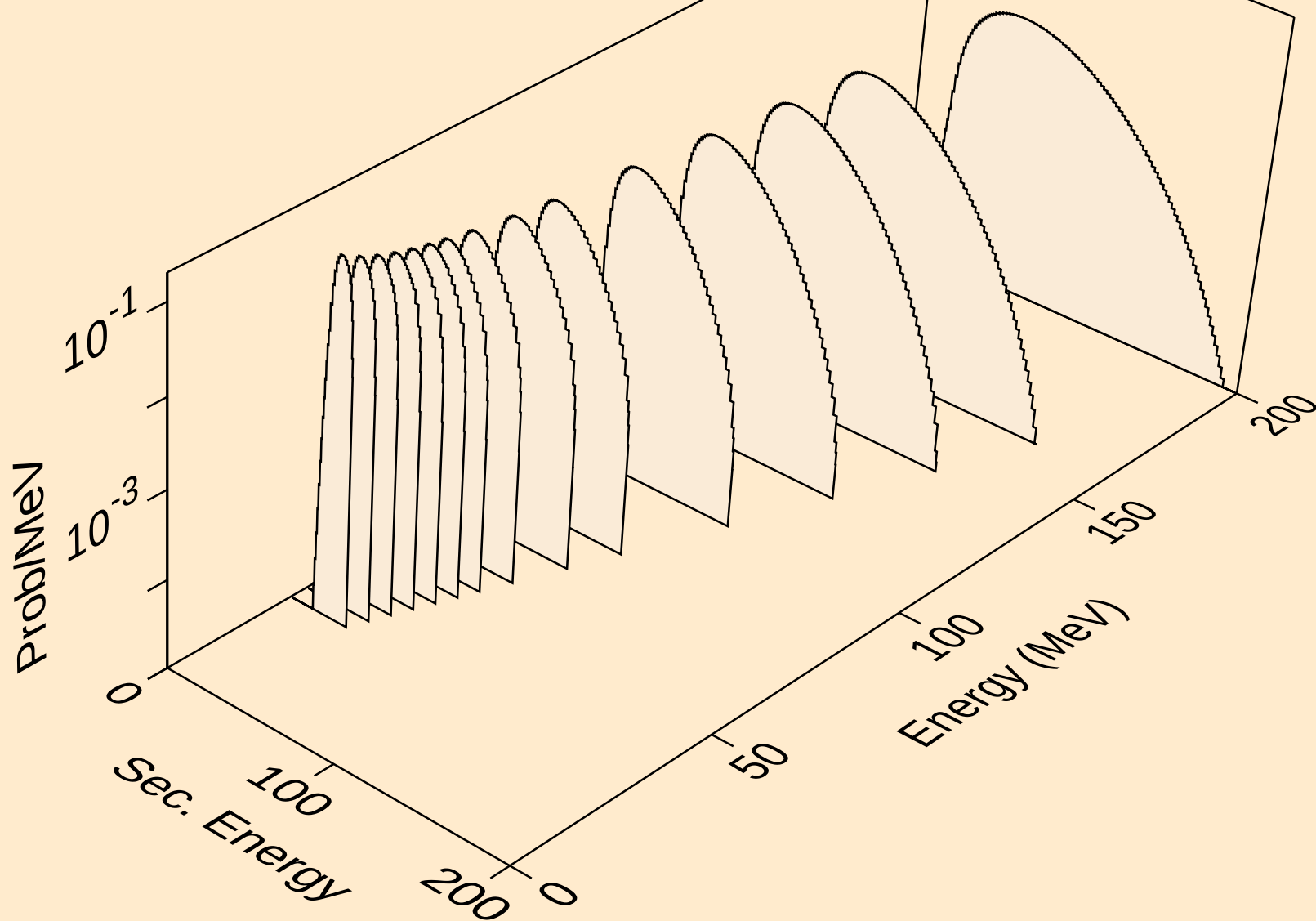
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t2a)



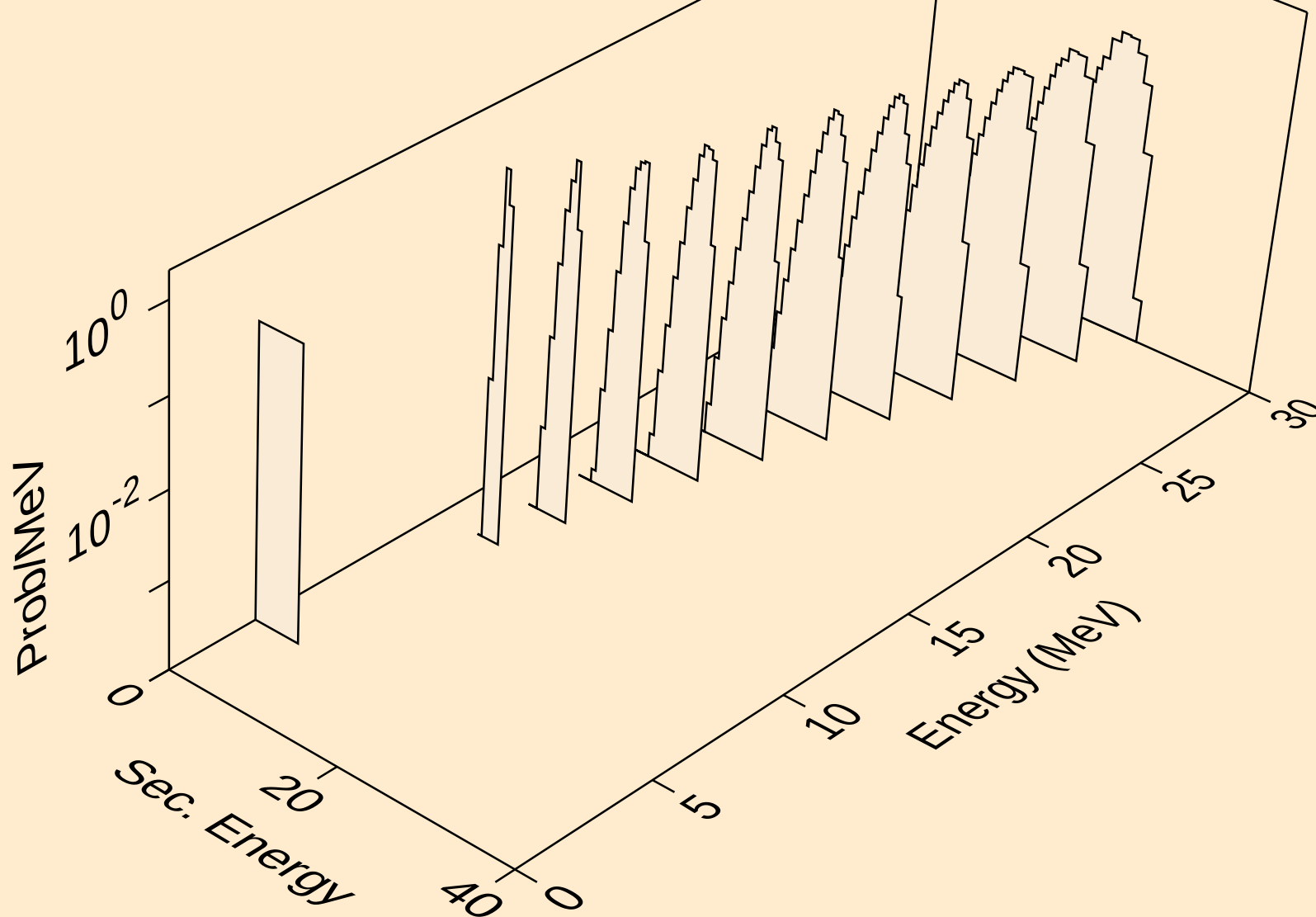
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



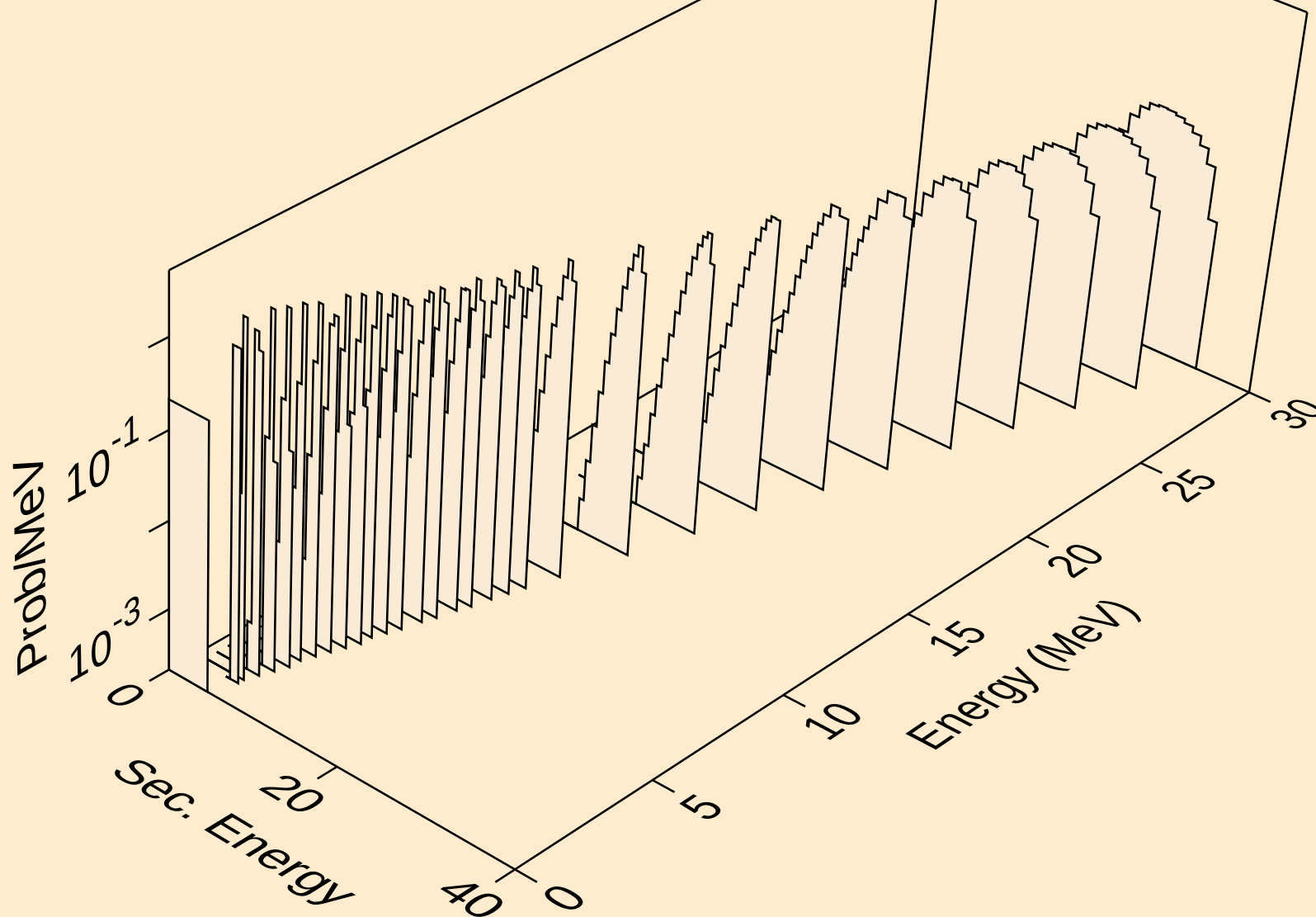
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



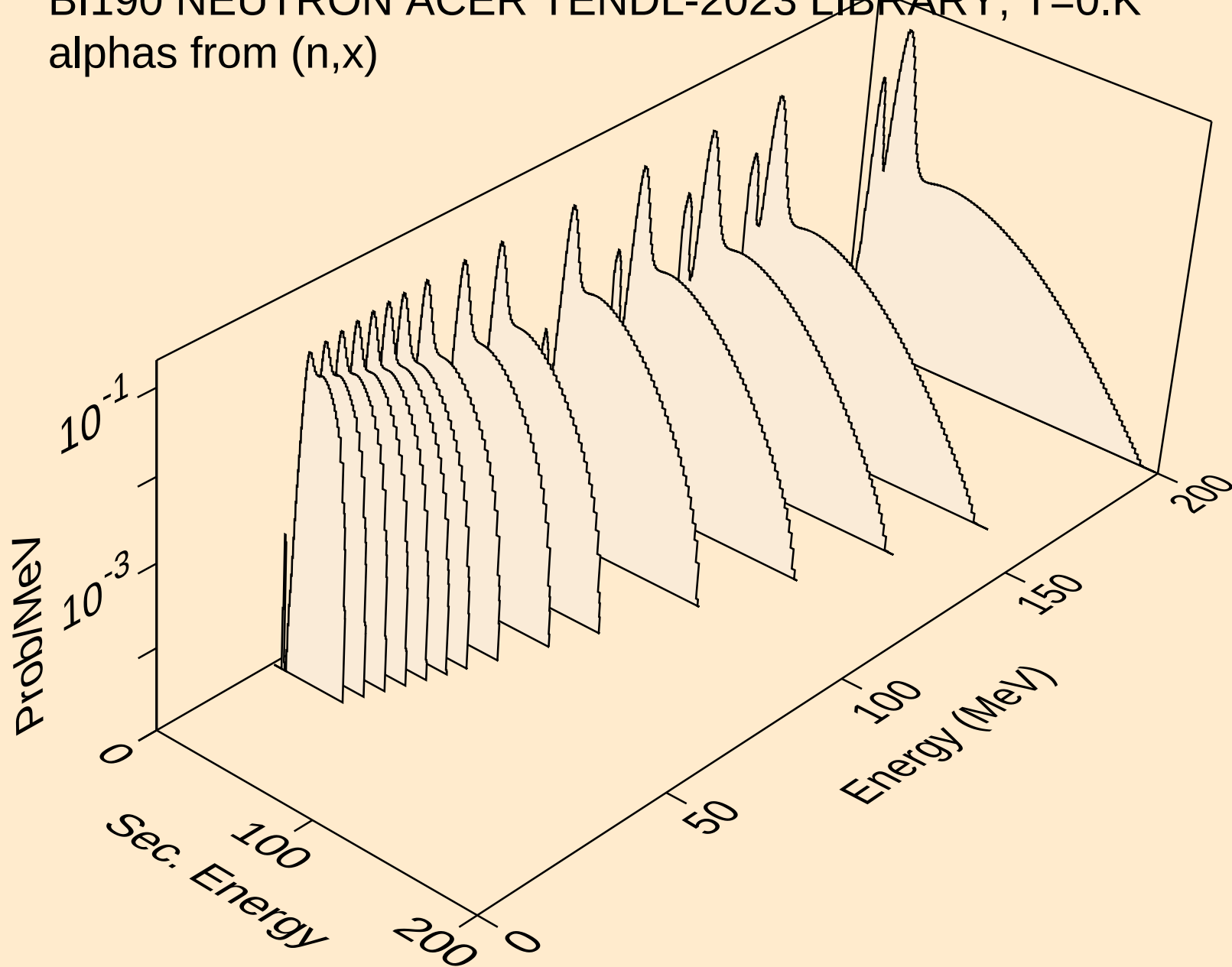
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



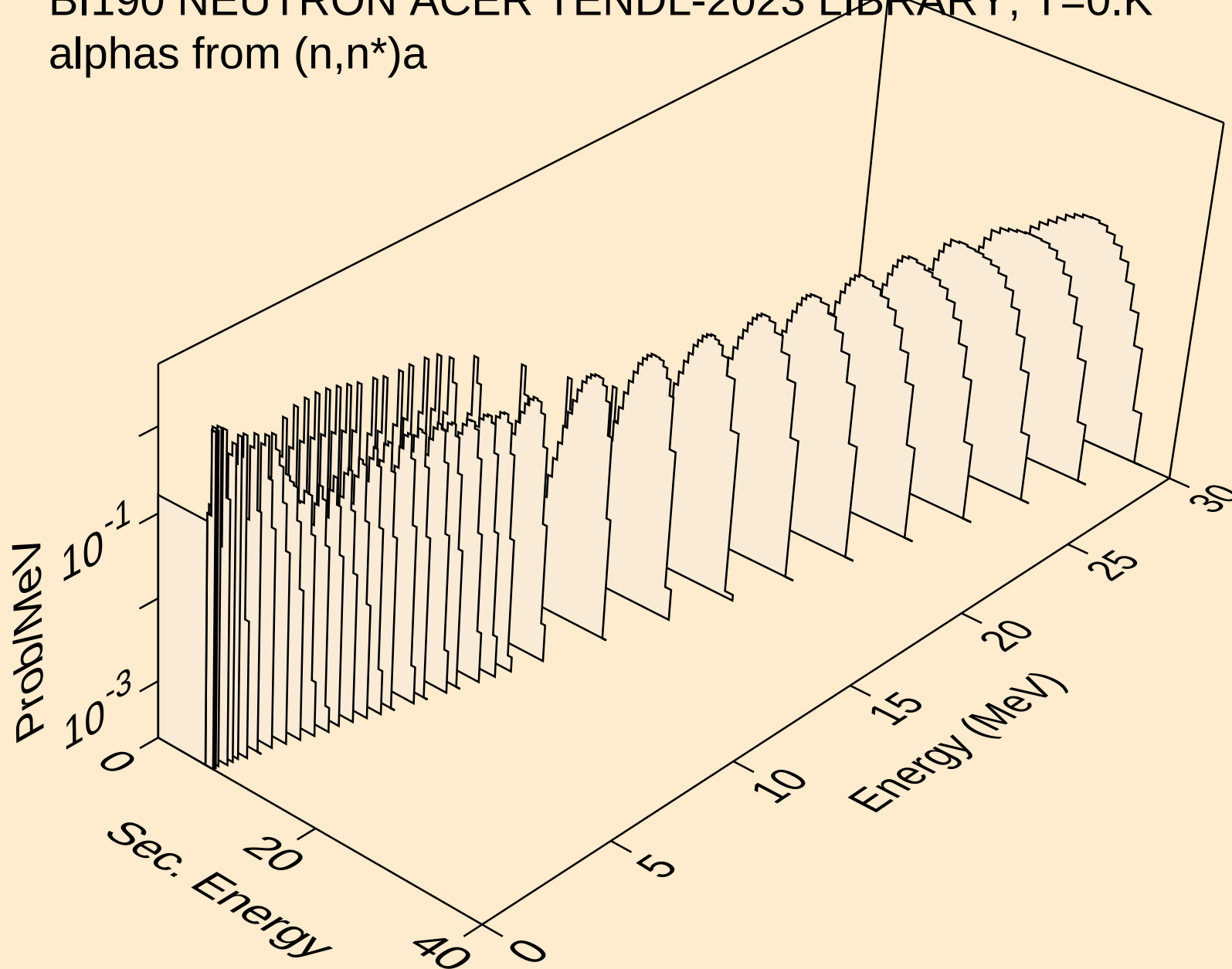
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



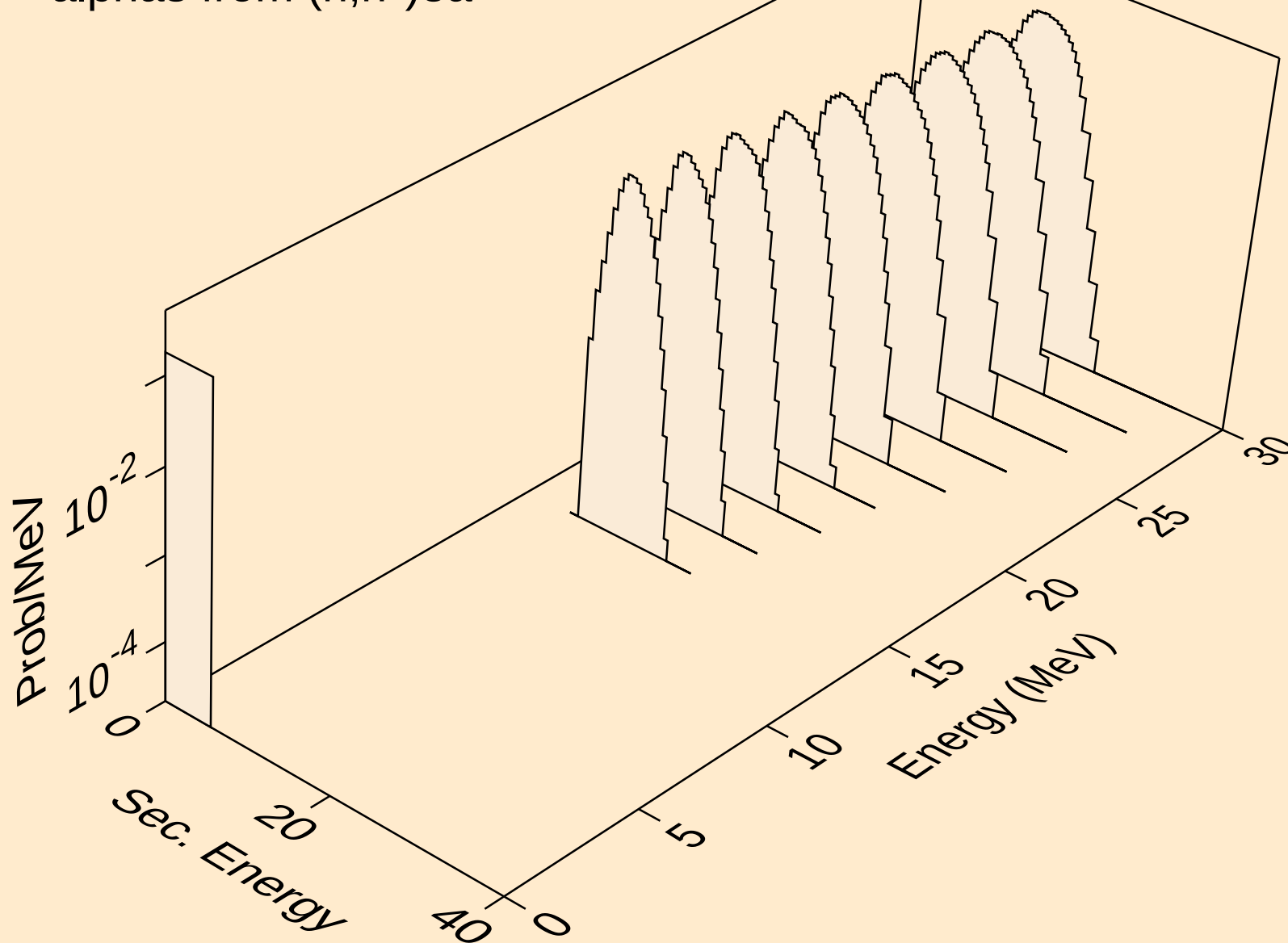
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



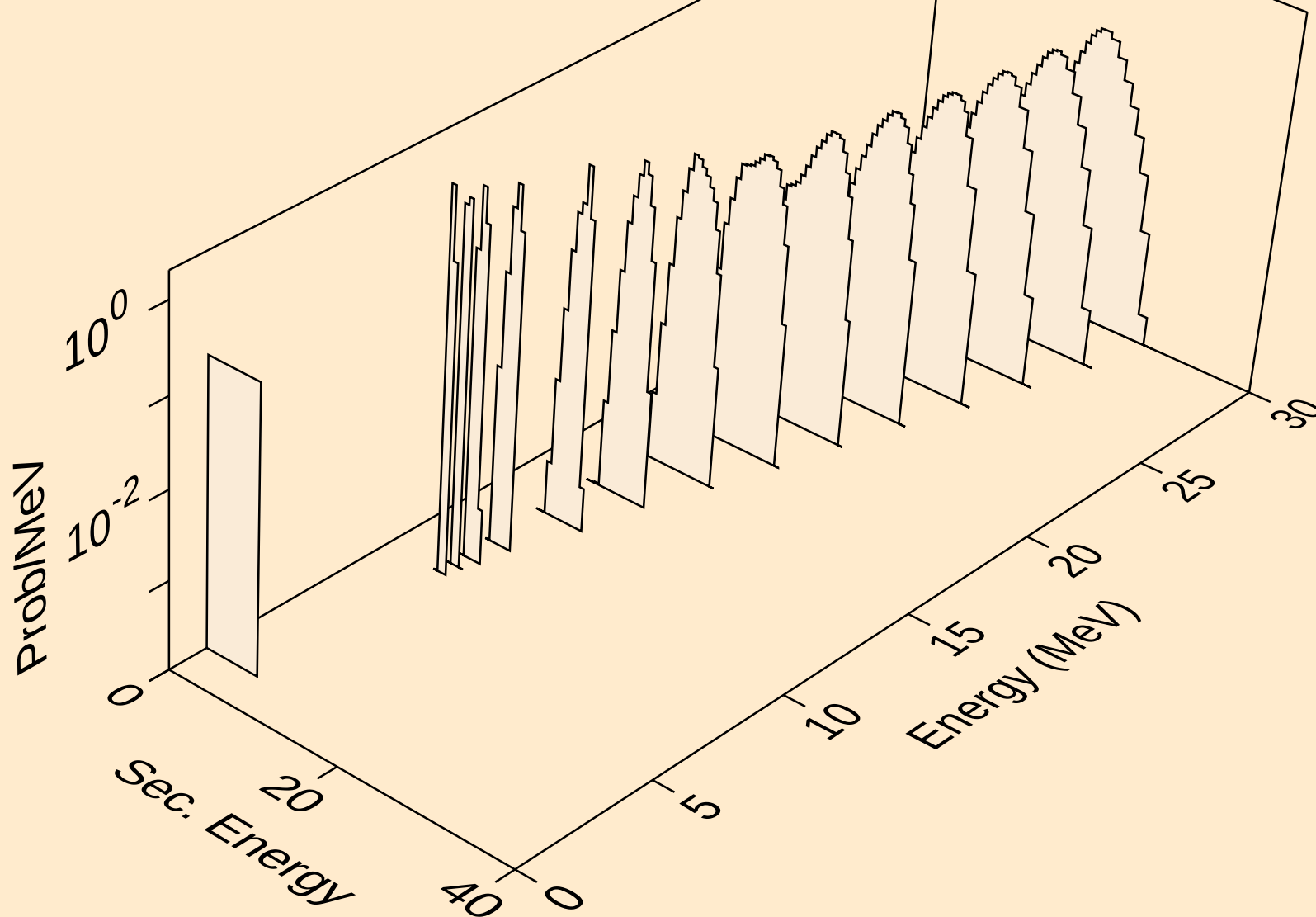
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



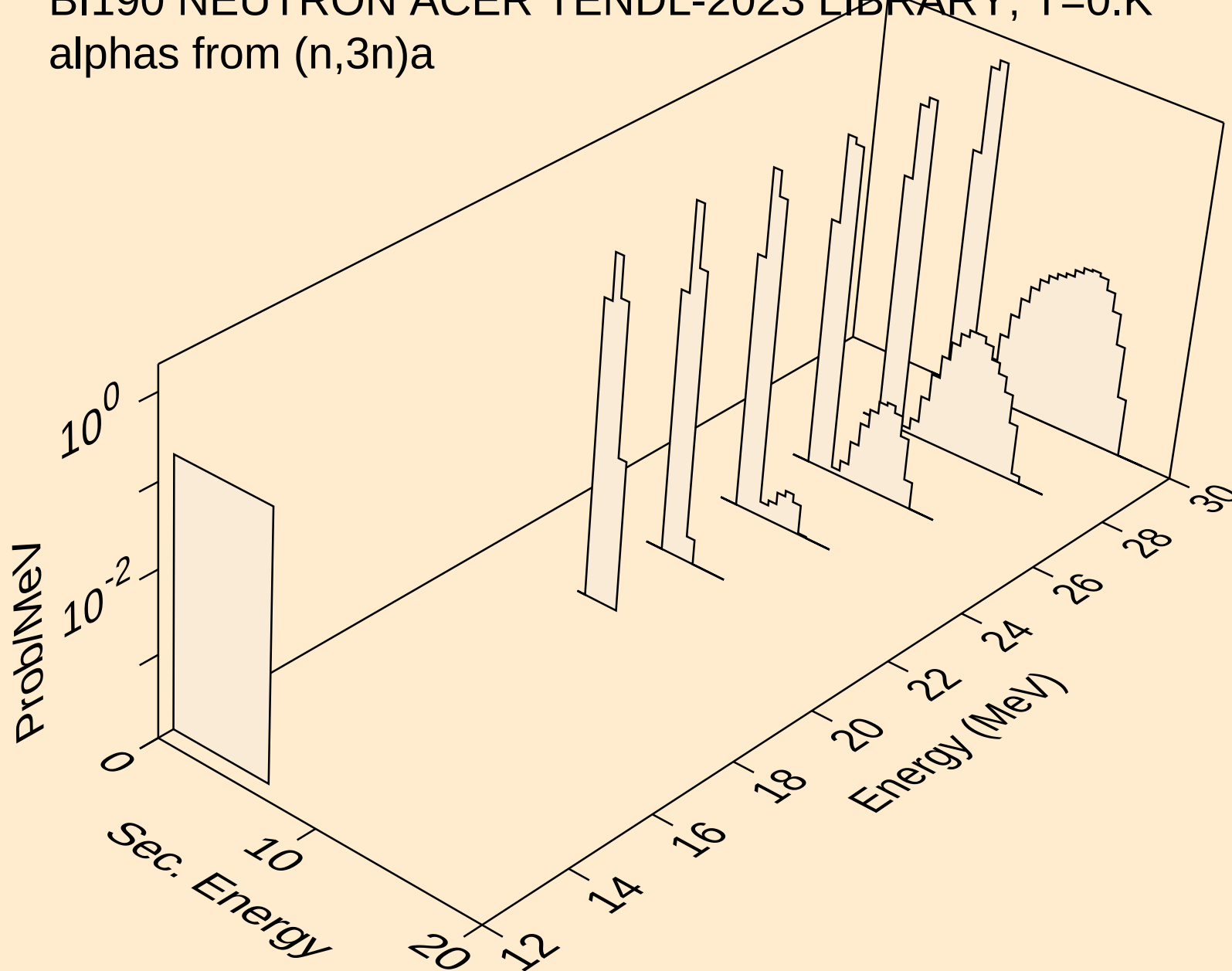
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)3a



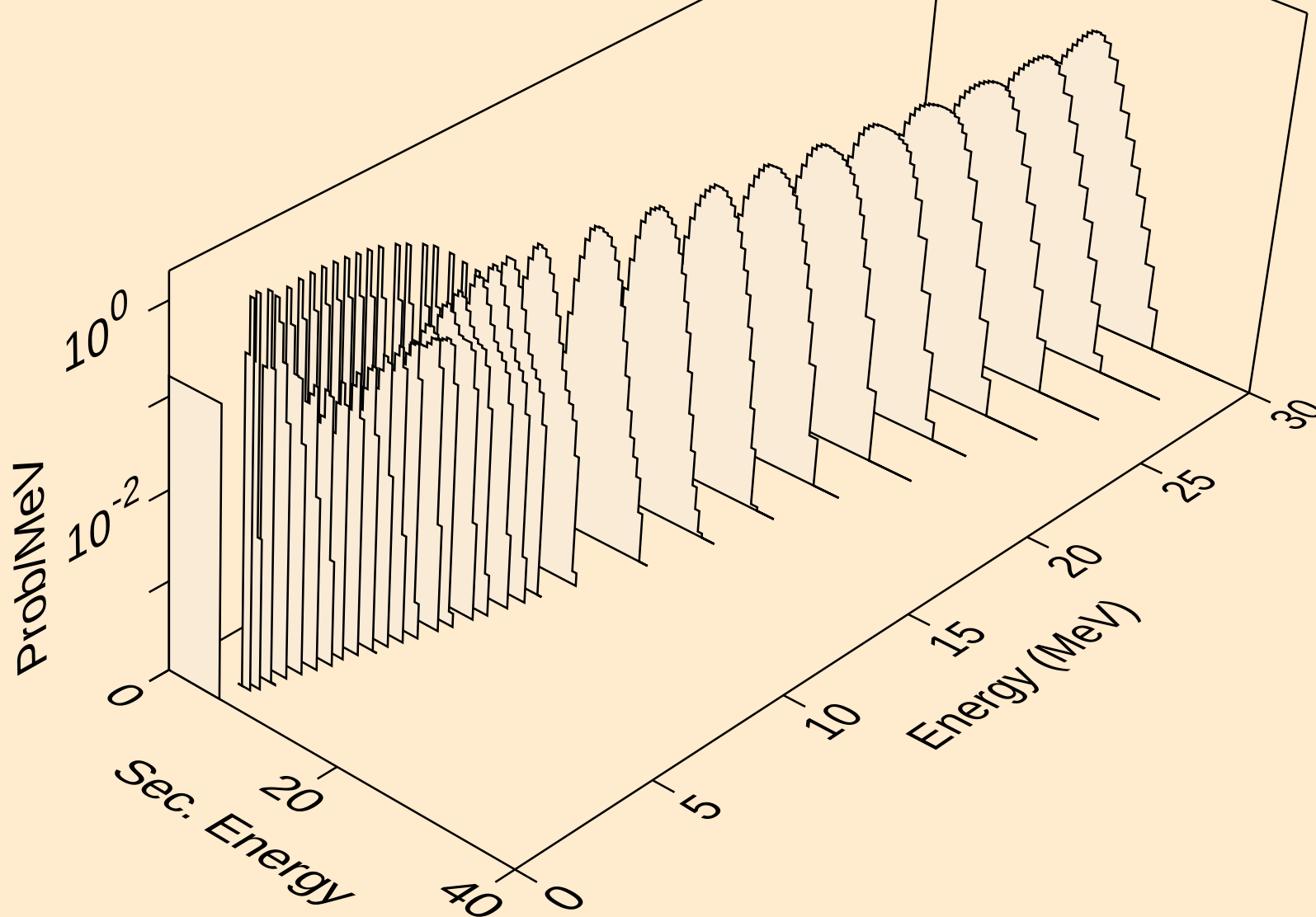
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



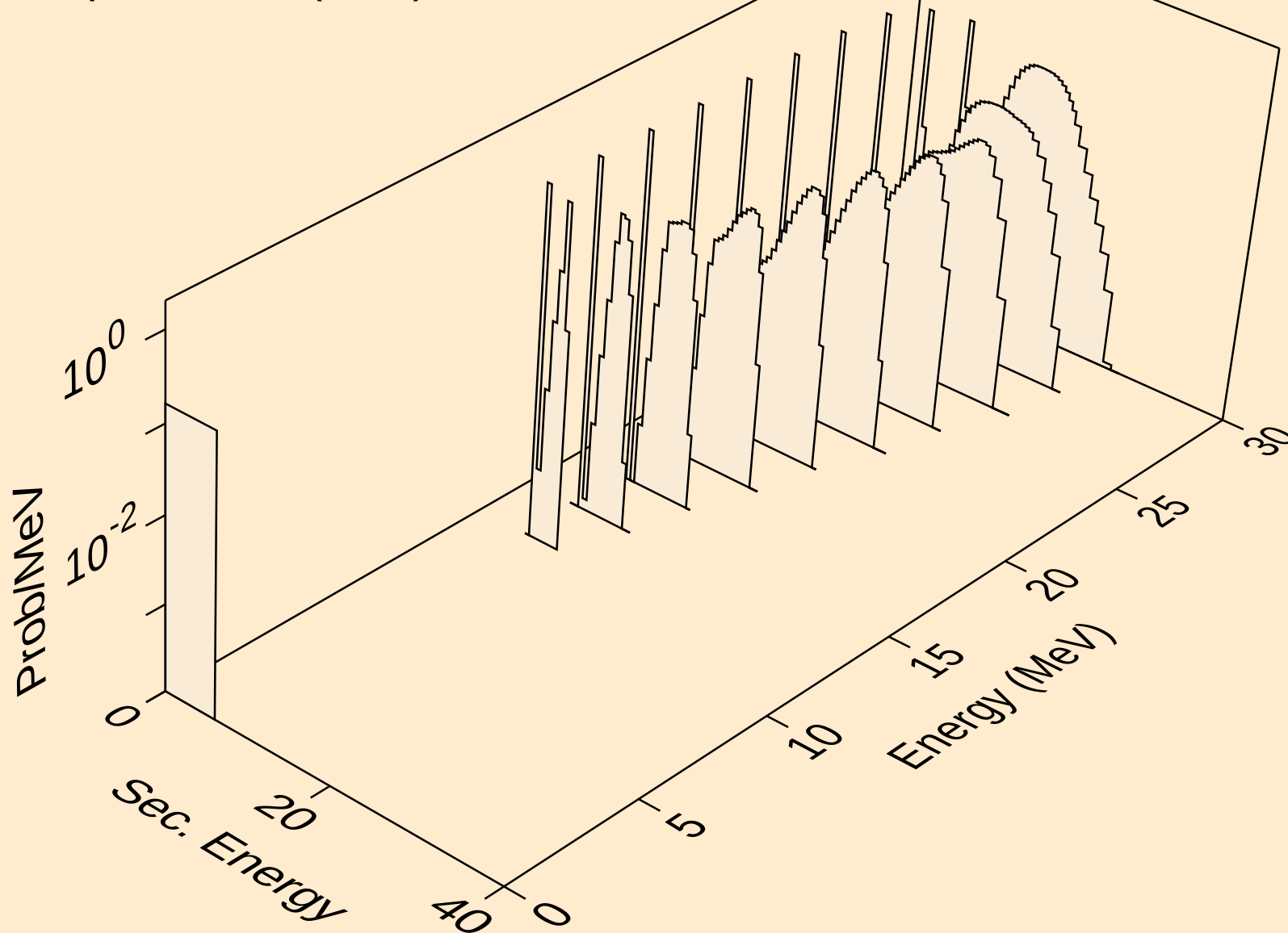
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



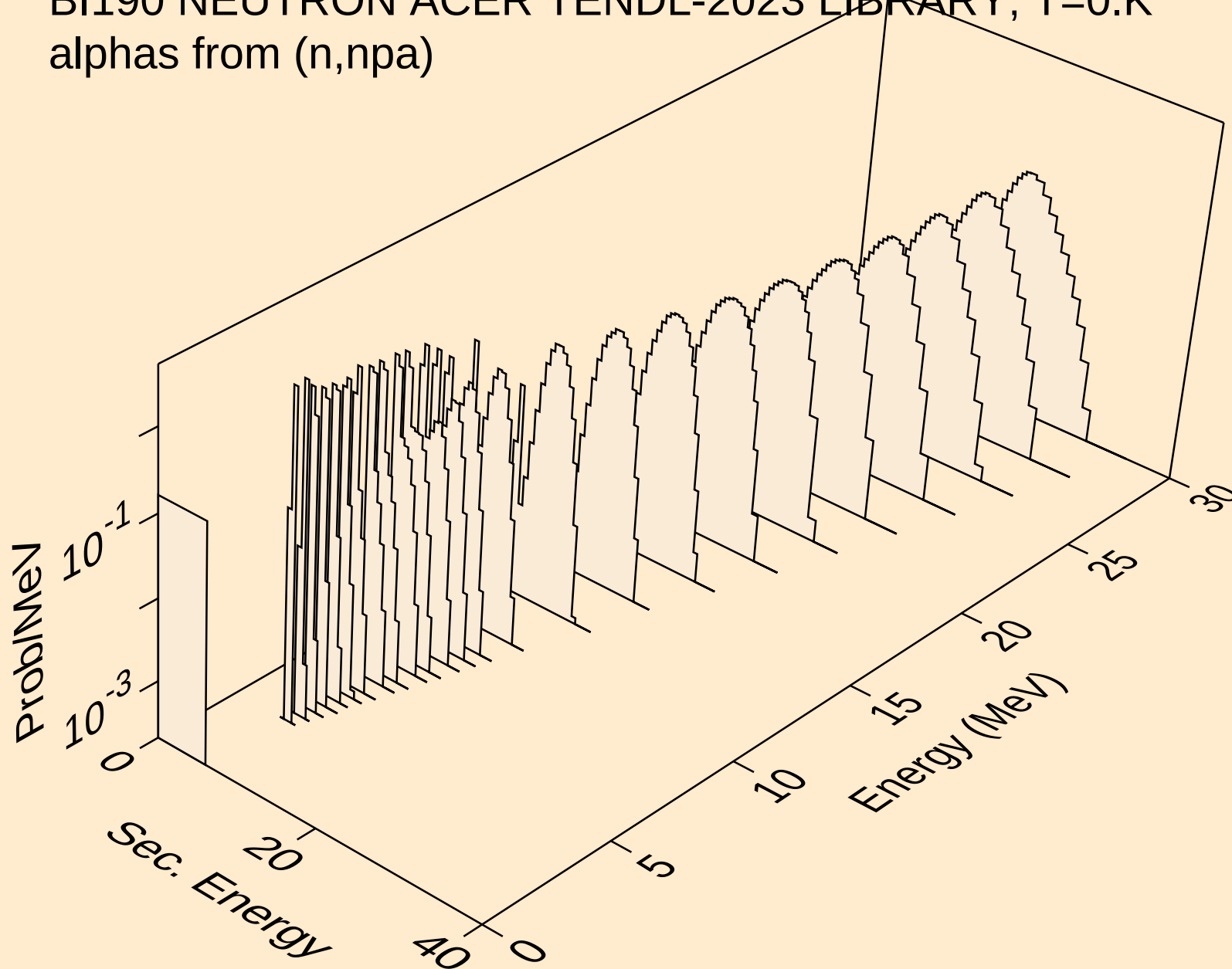
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



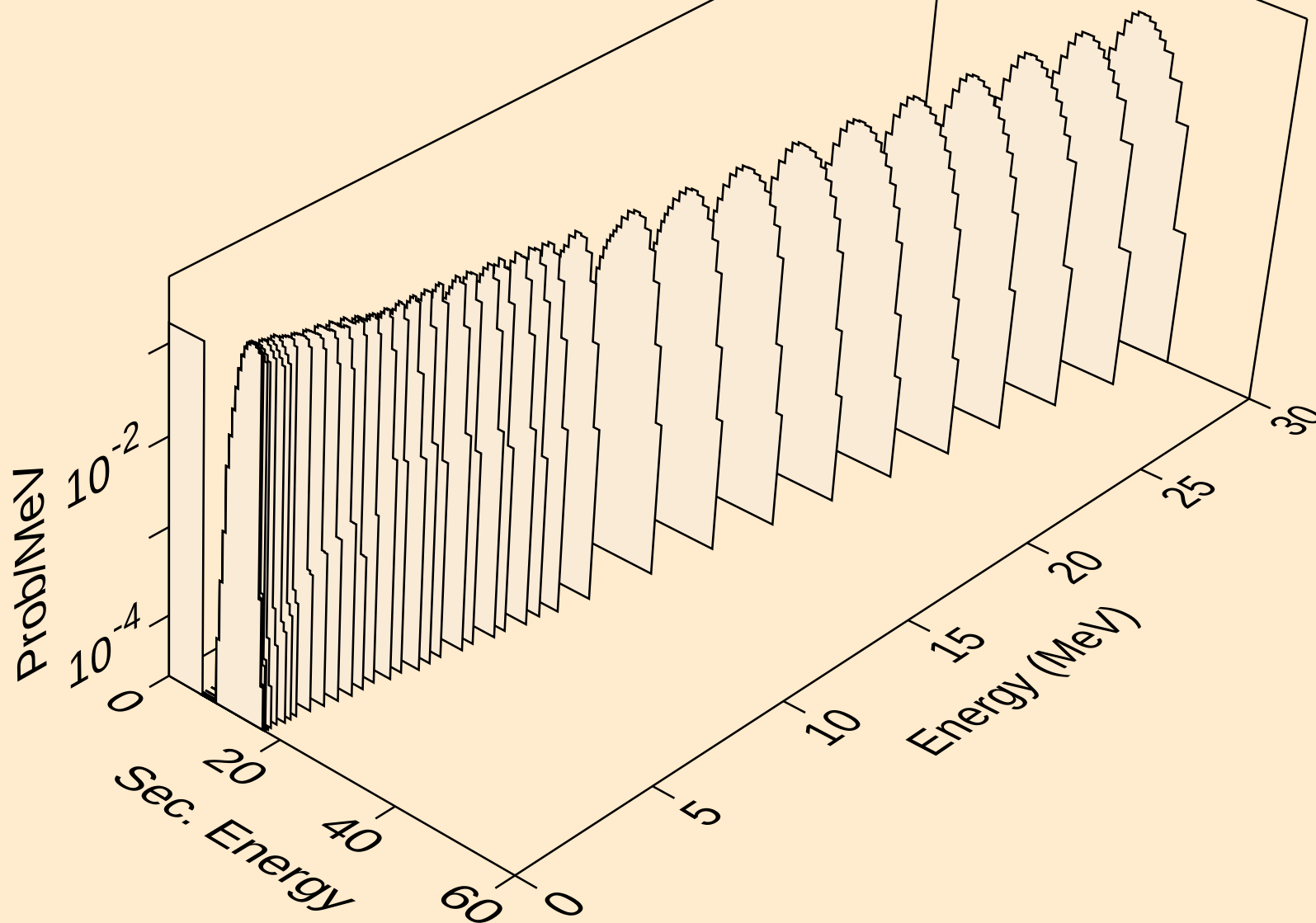
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



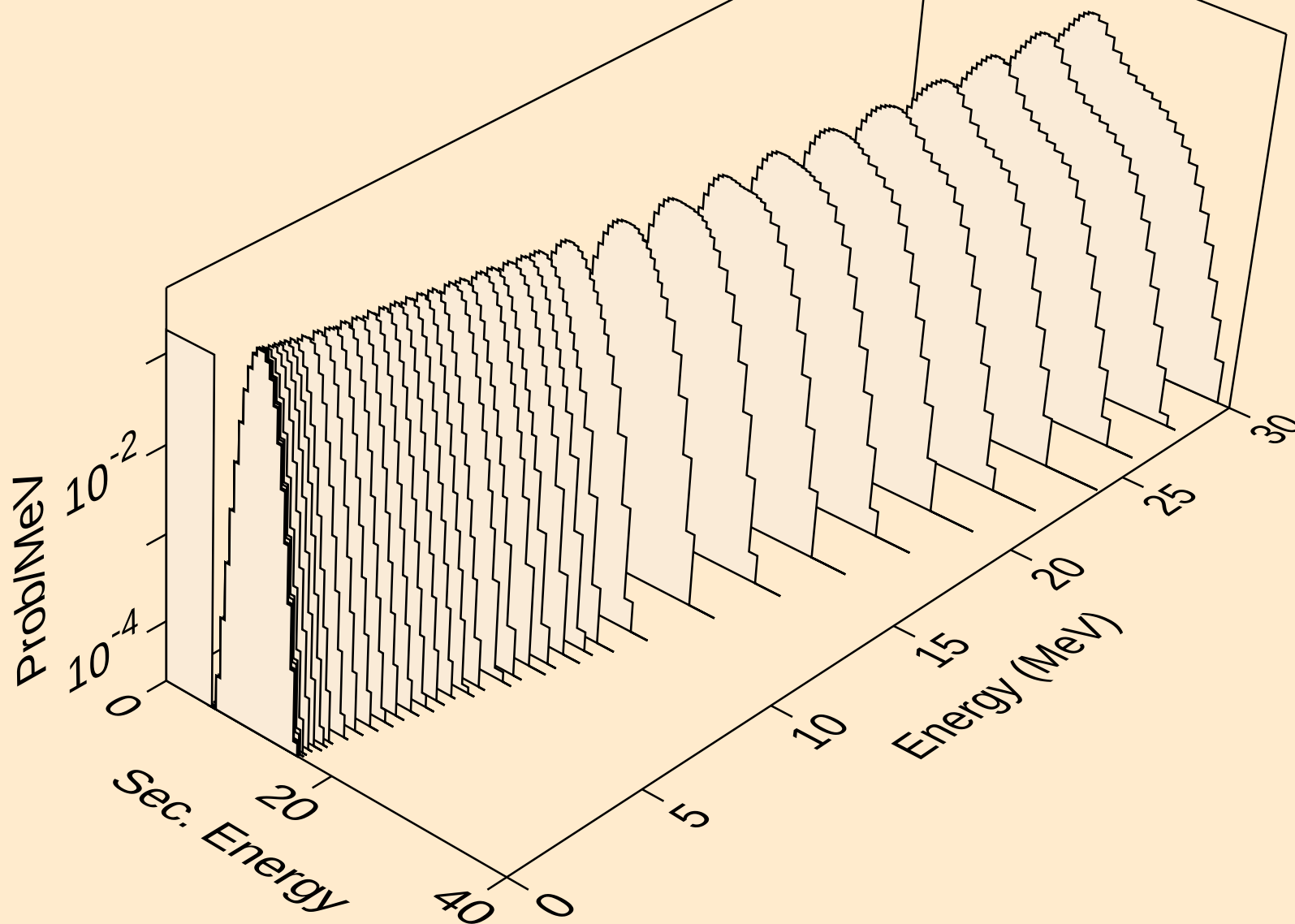
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



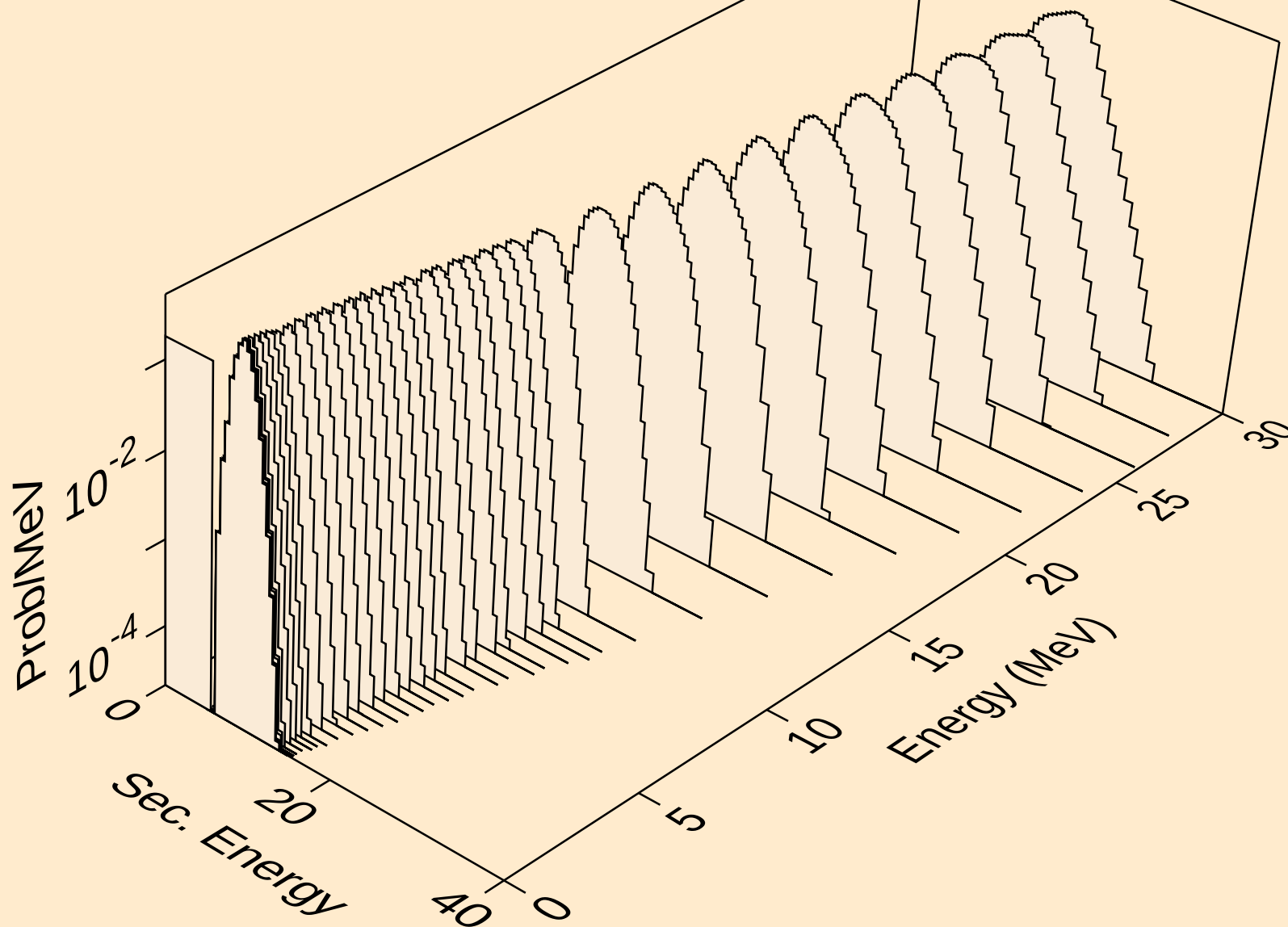
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



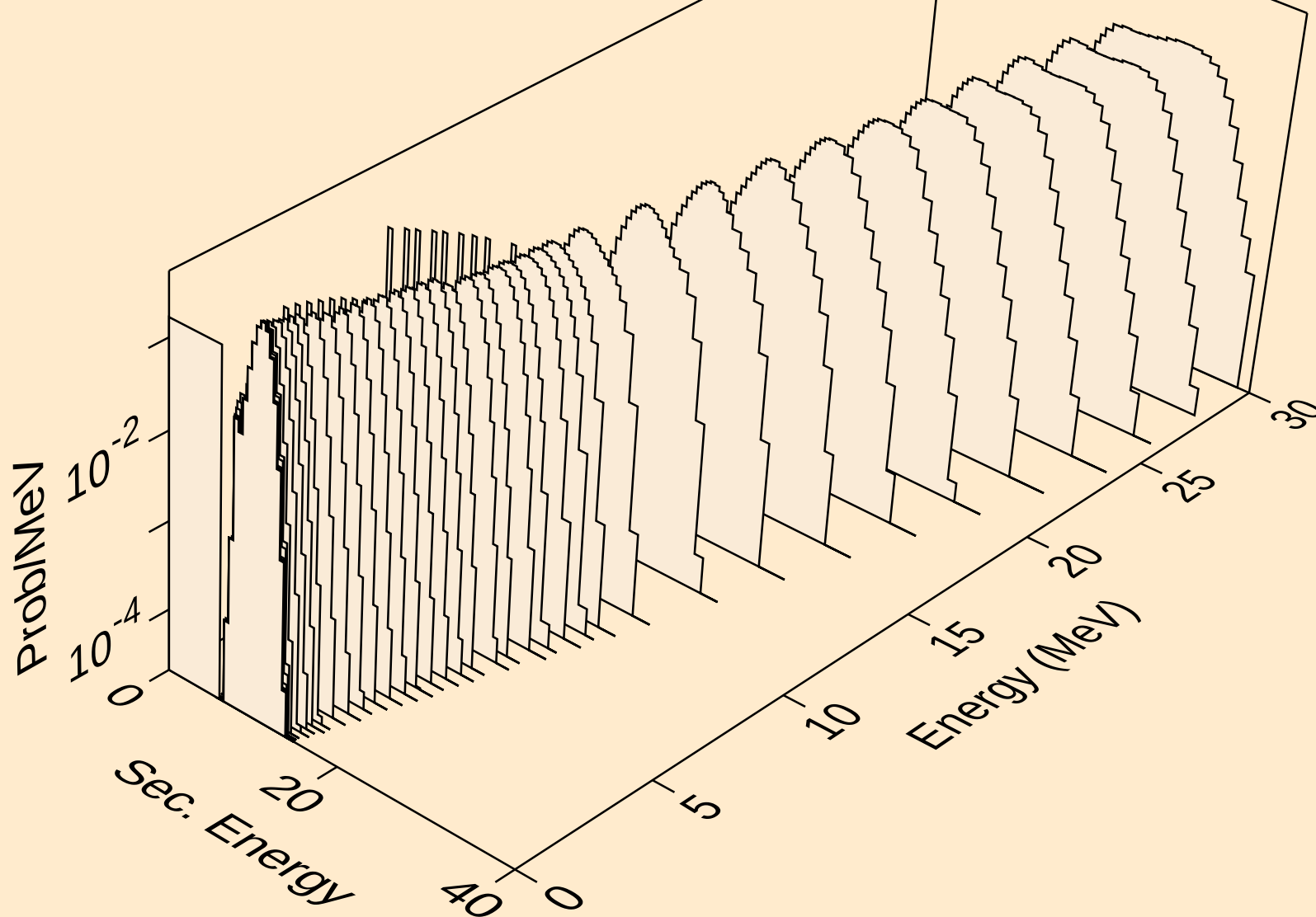
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



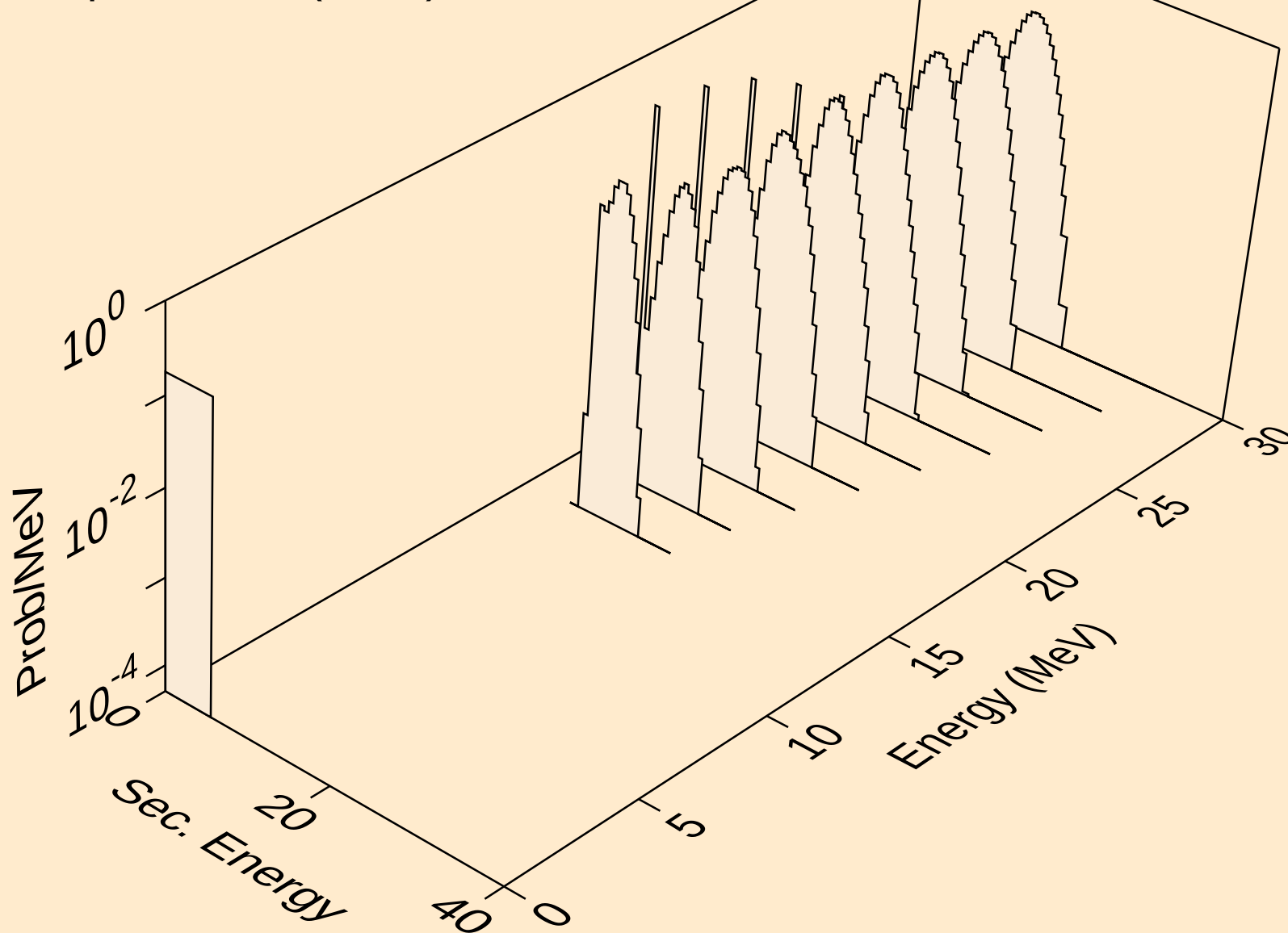
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3a)



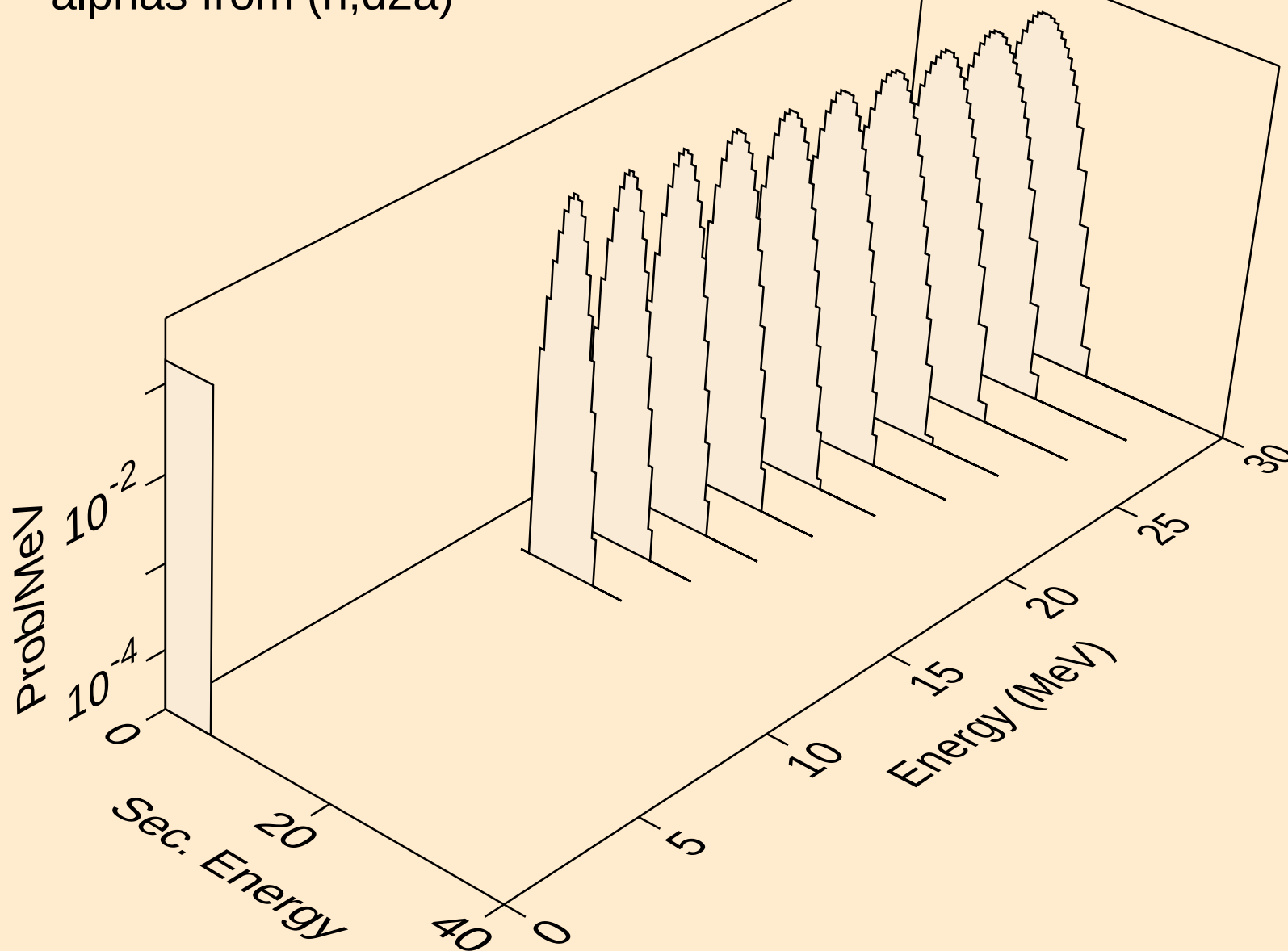
BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,t2a)



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,d2a)



BI190 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

