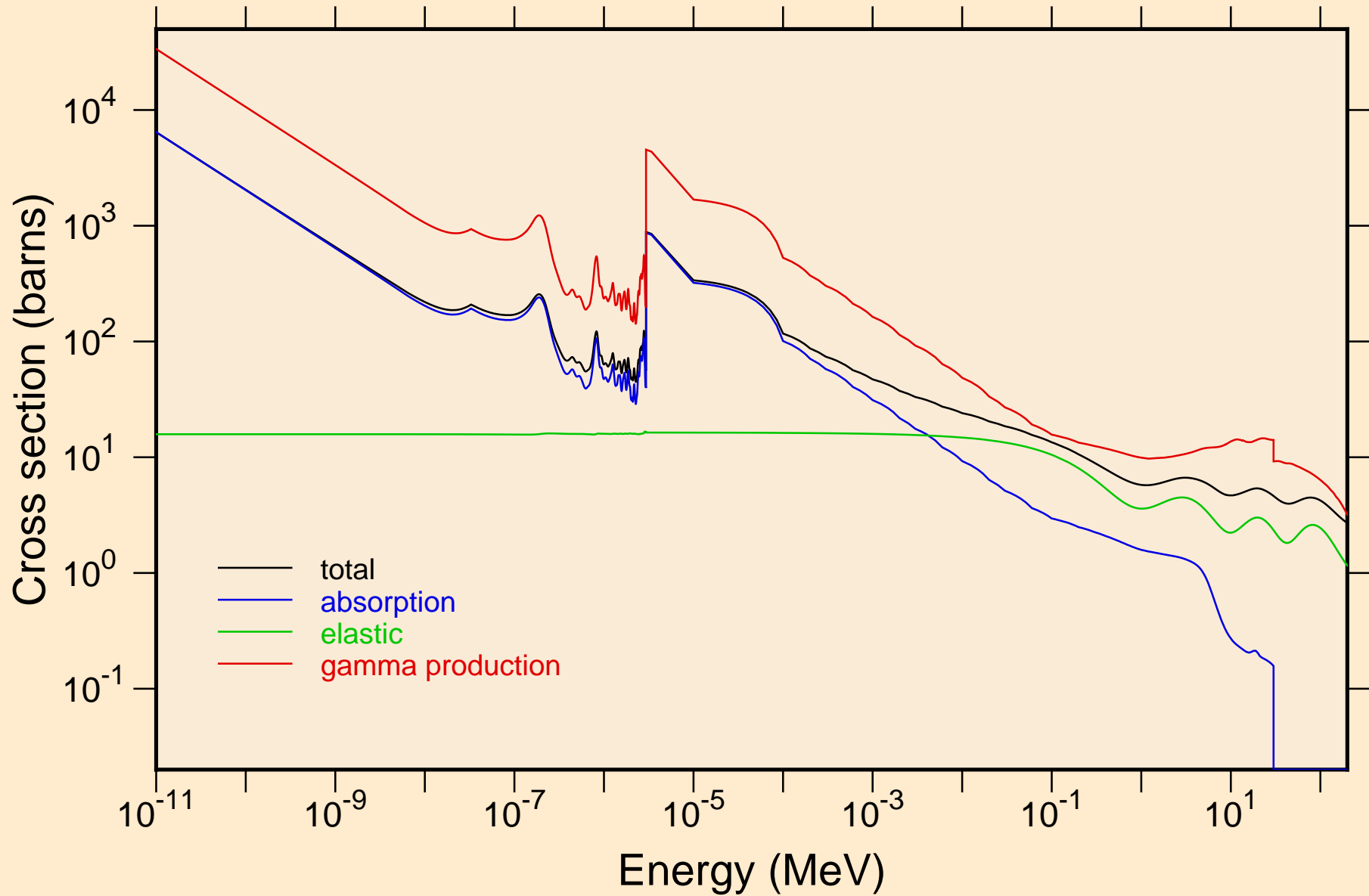


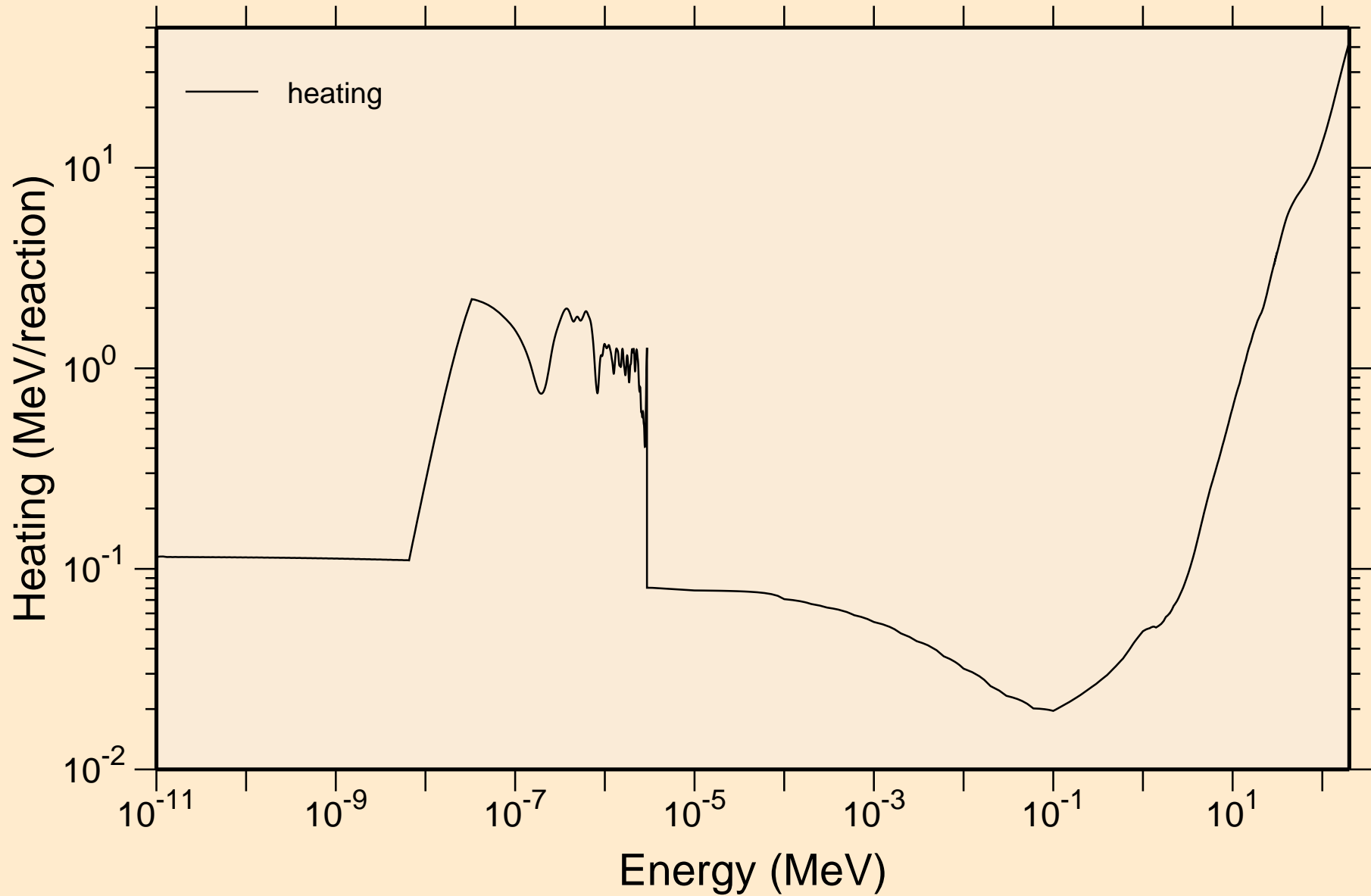
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



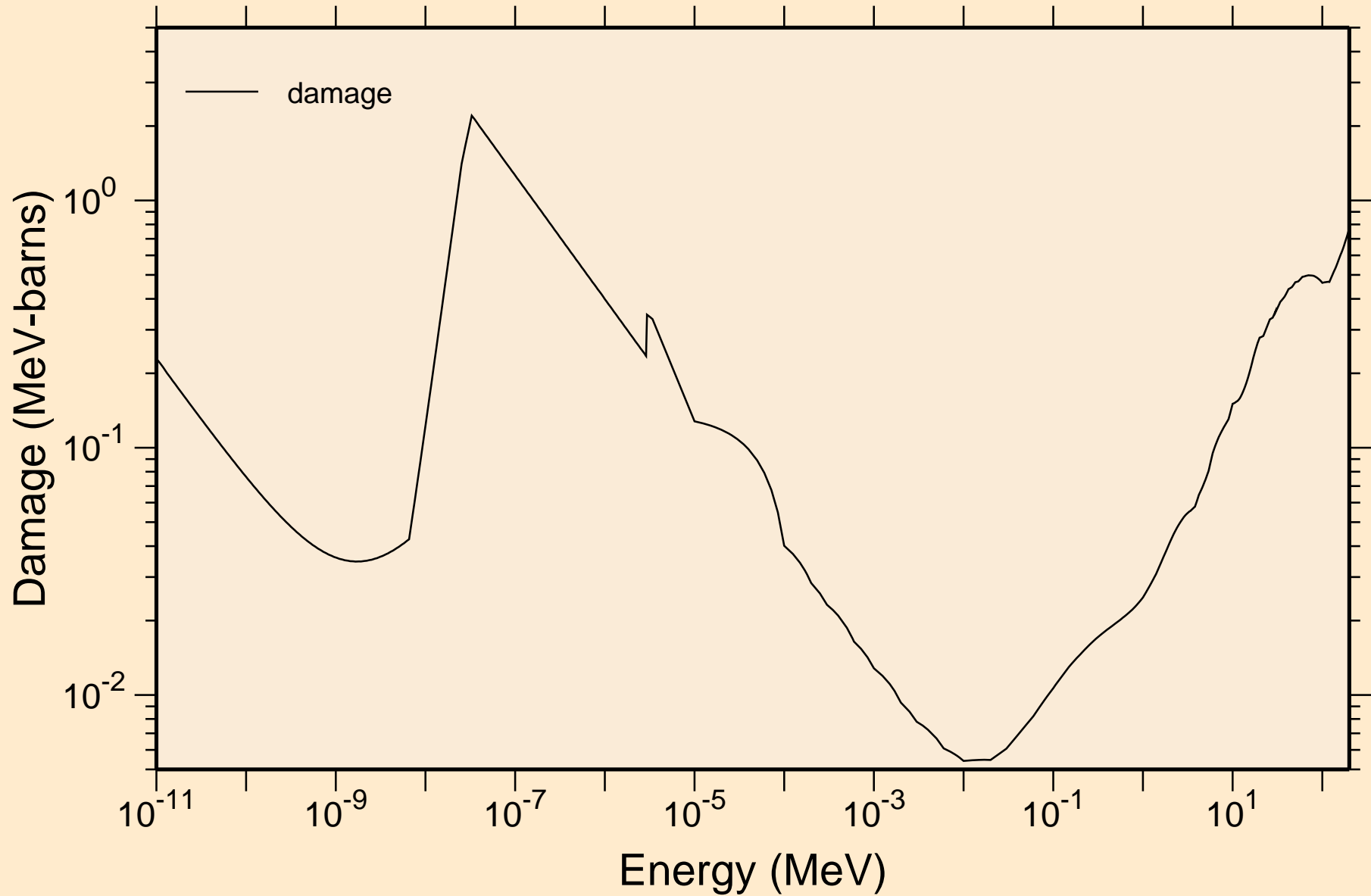
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



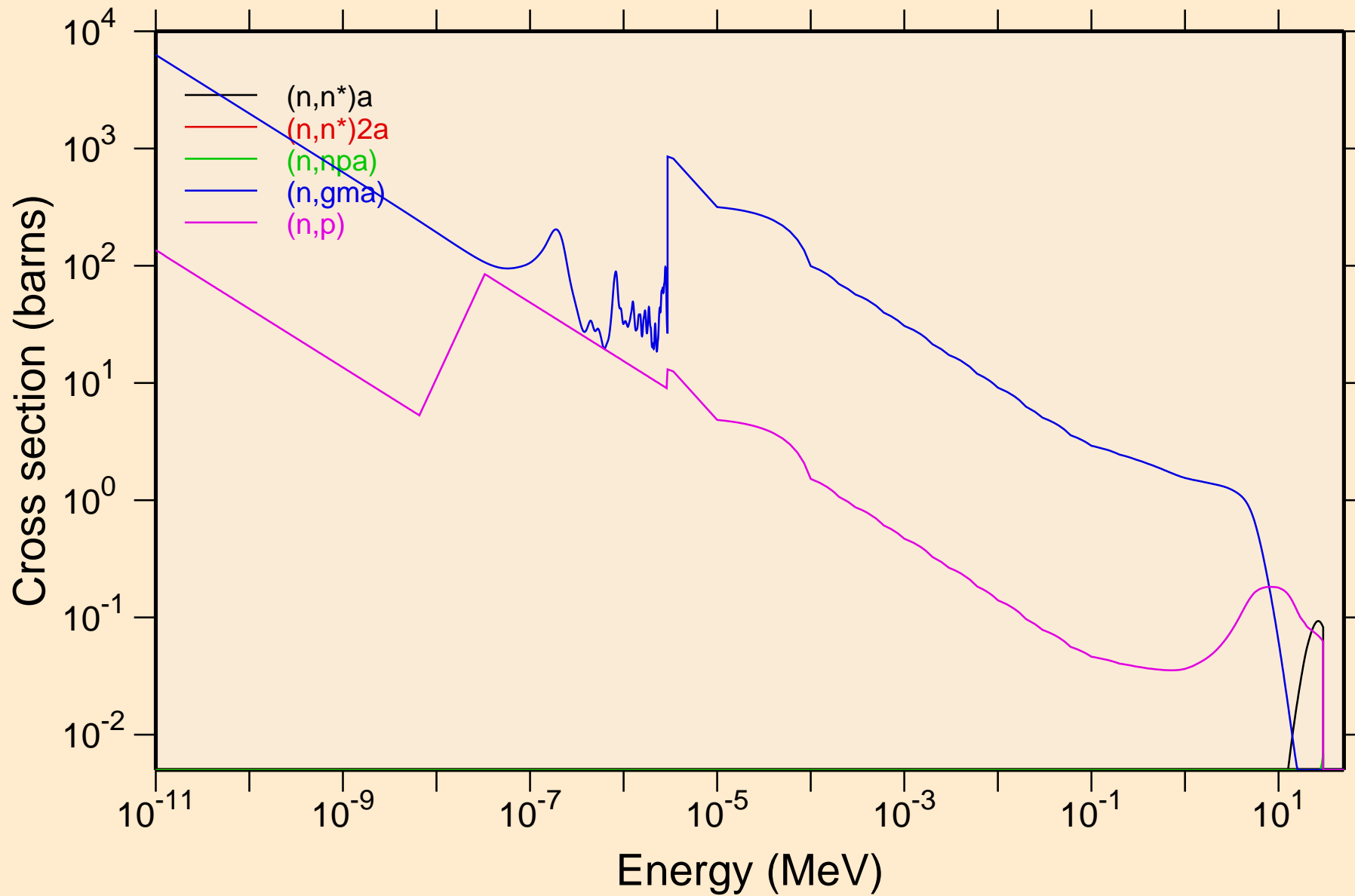
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

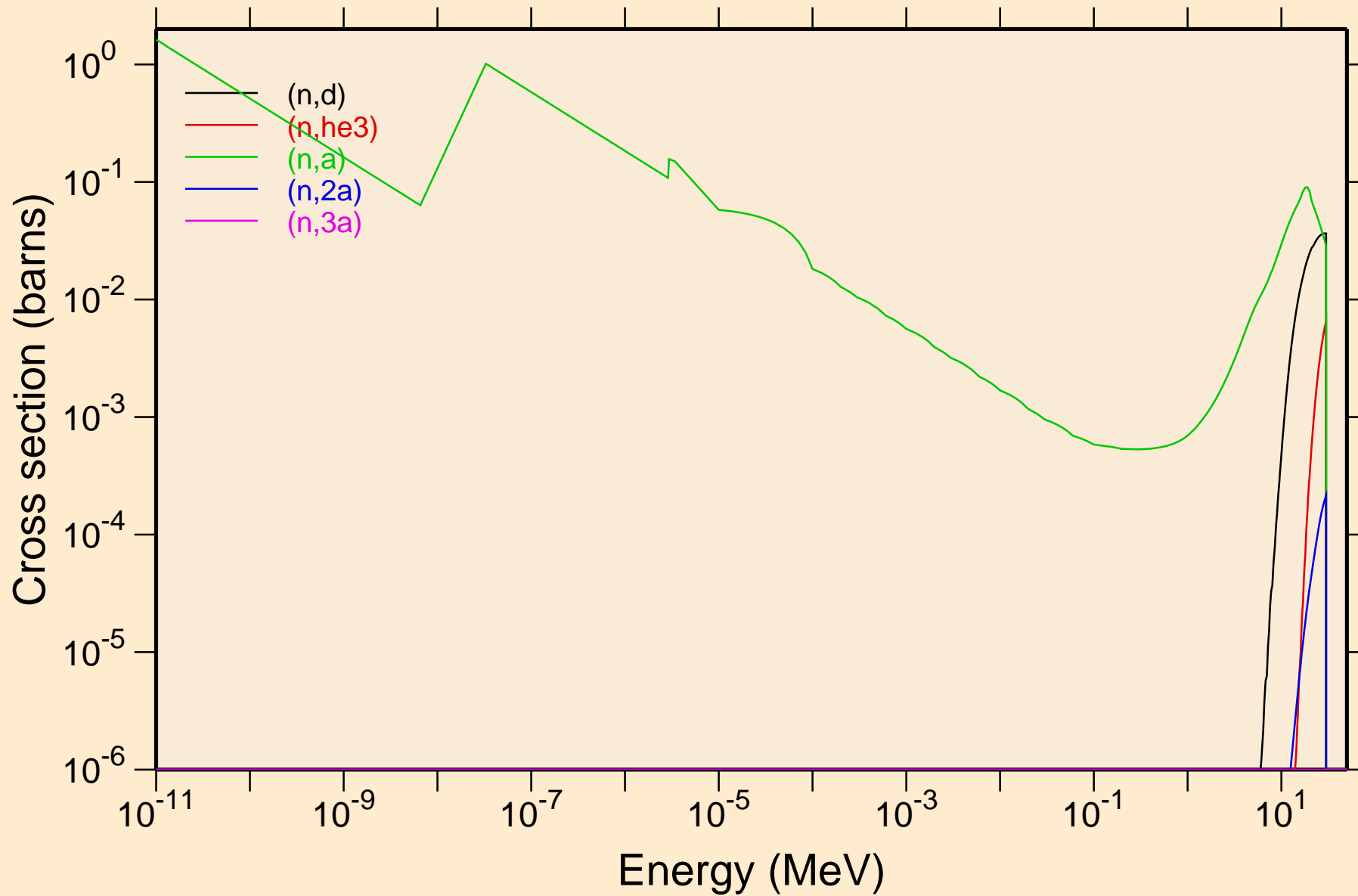


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

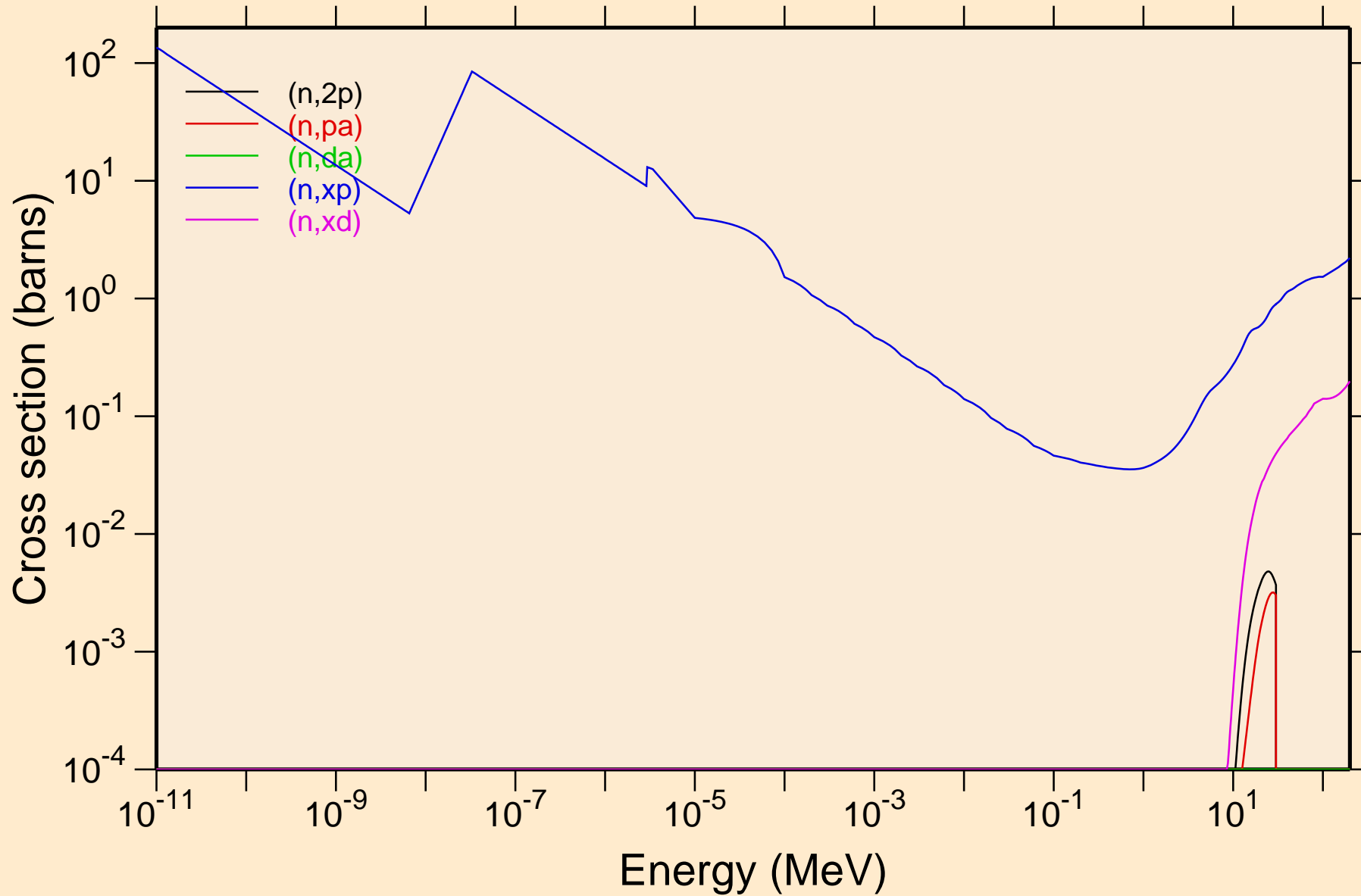


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

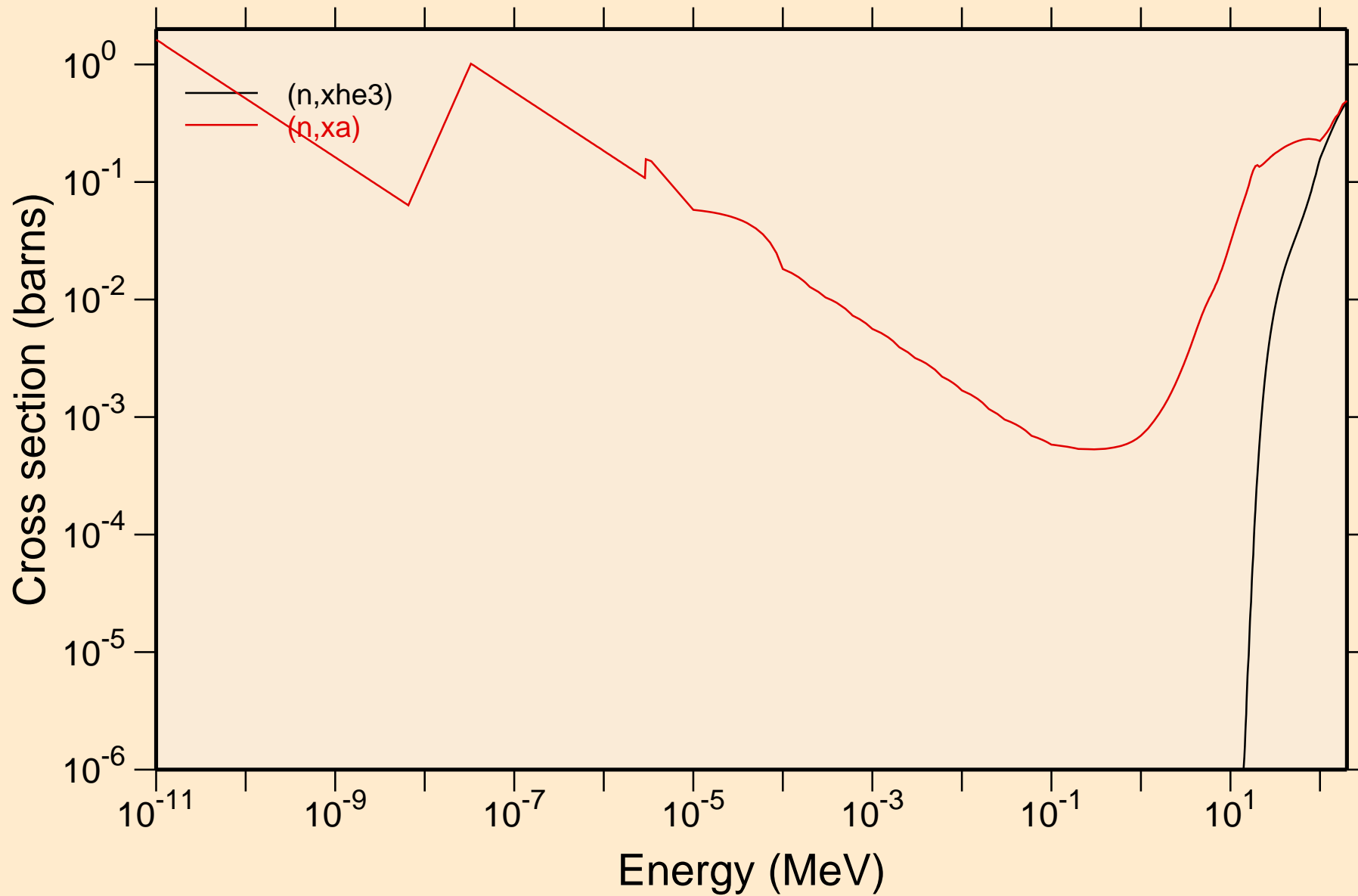


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

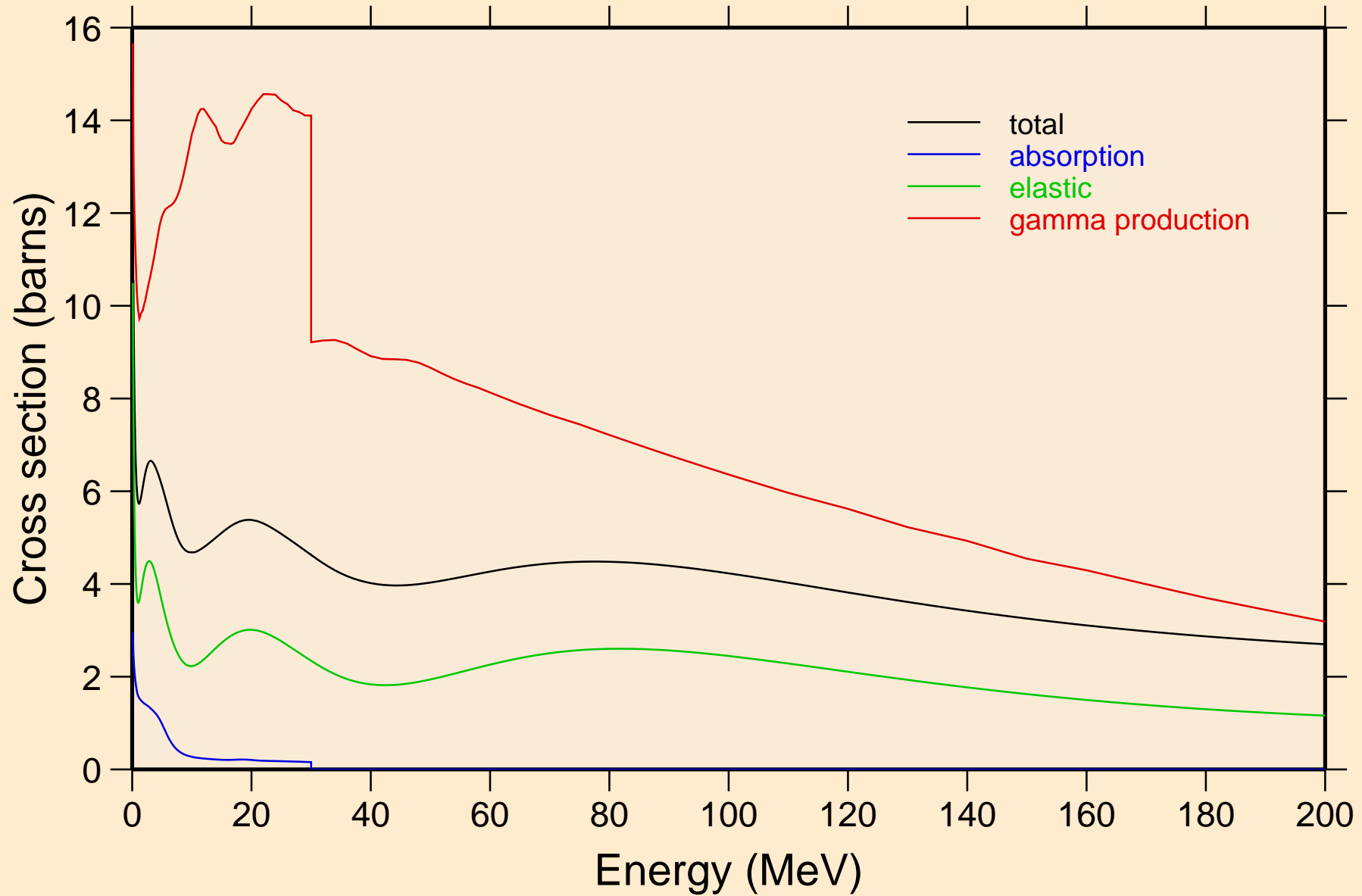


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



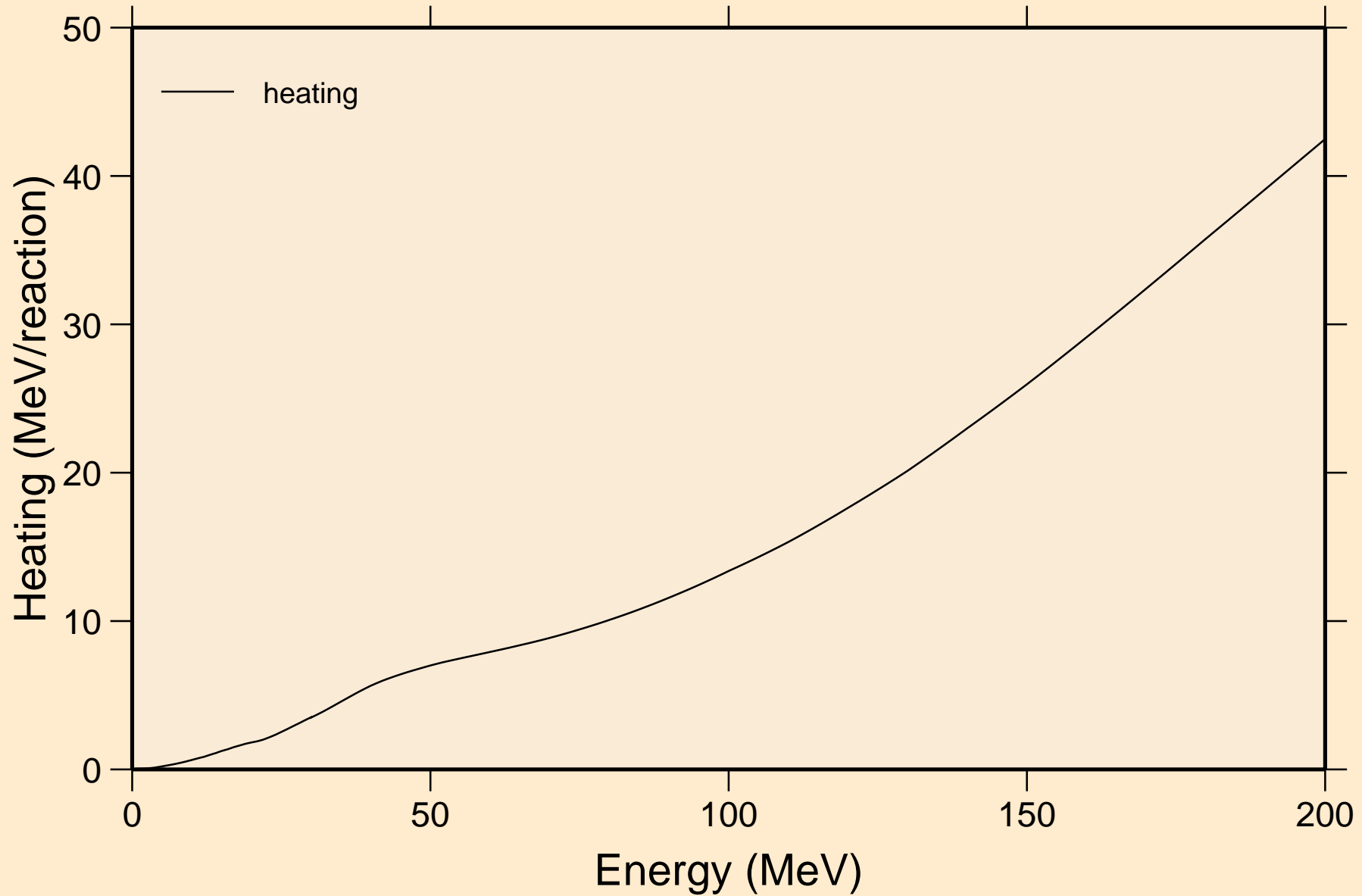
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Principal cross sections



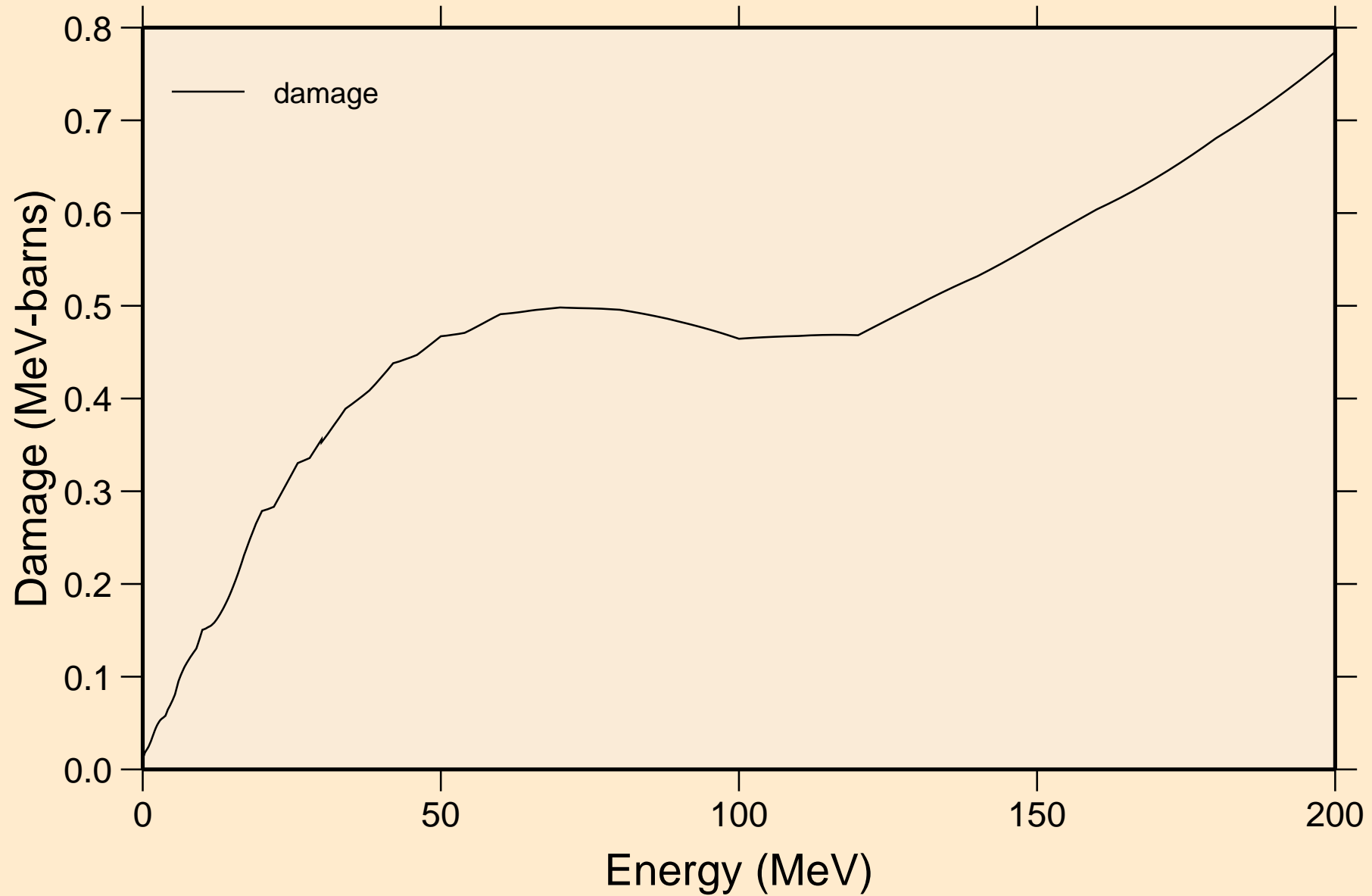
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

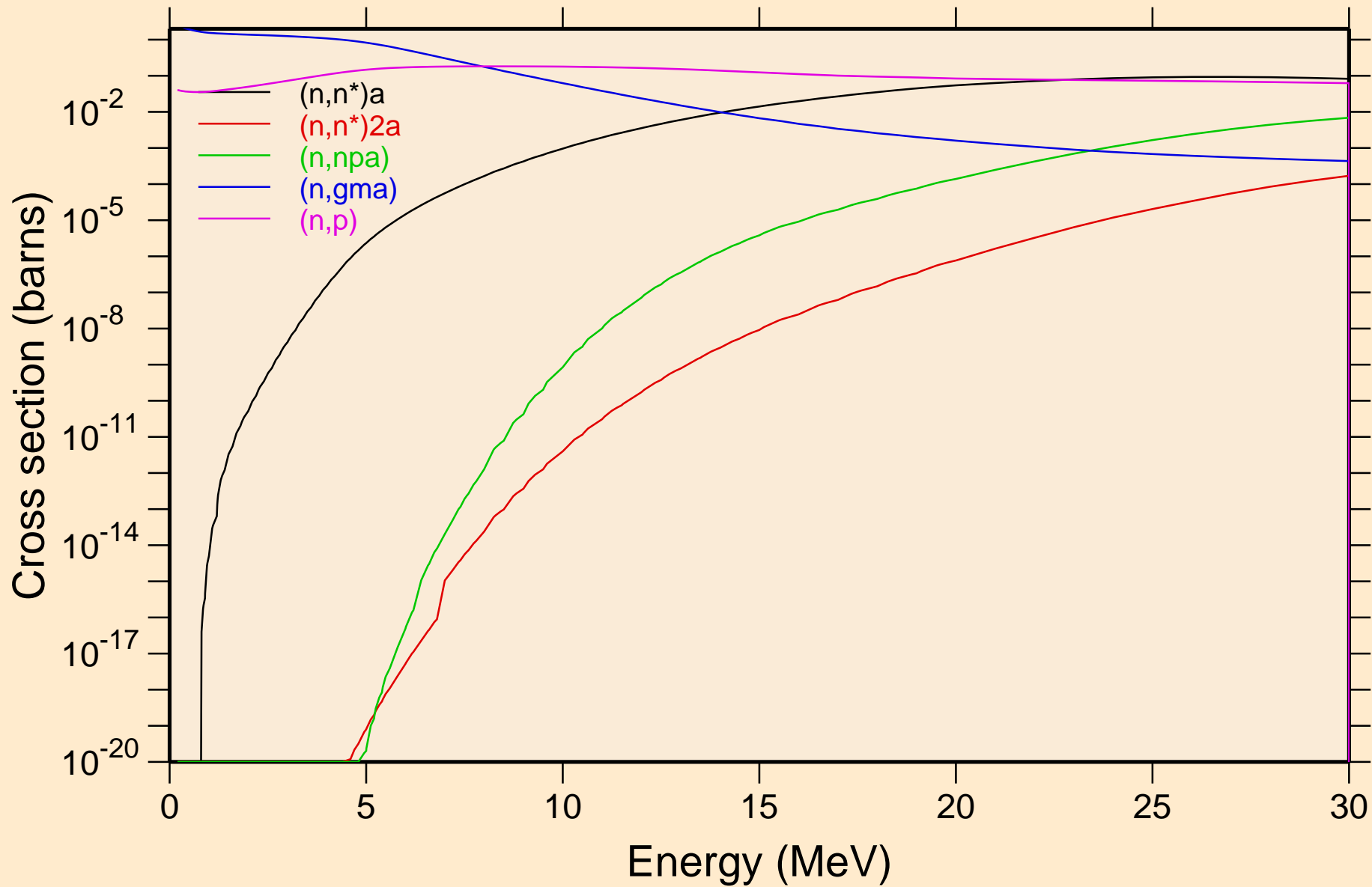


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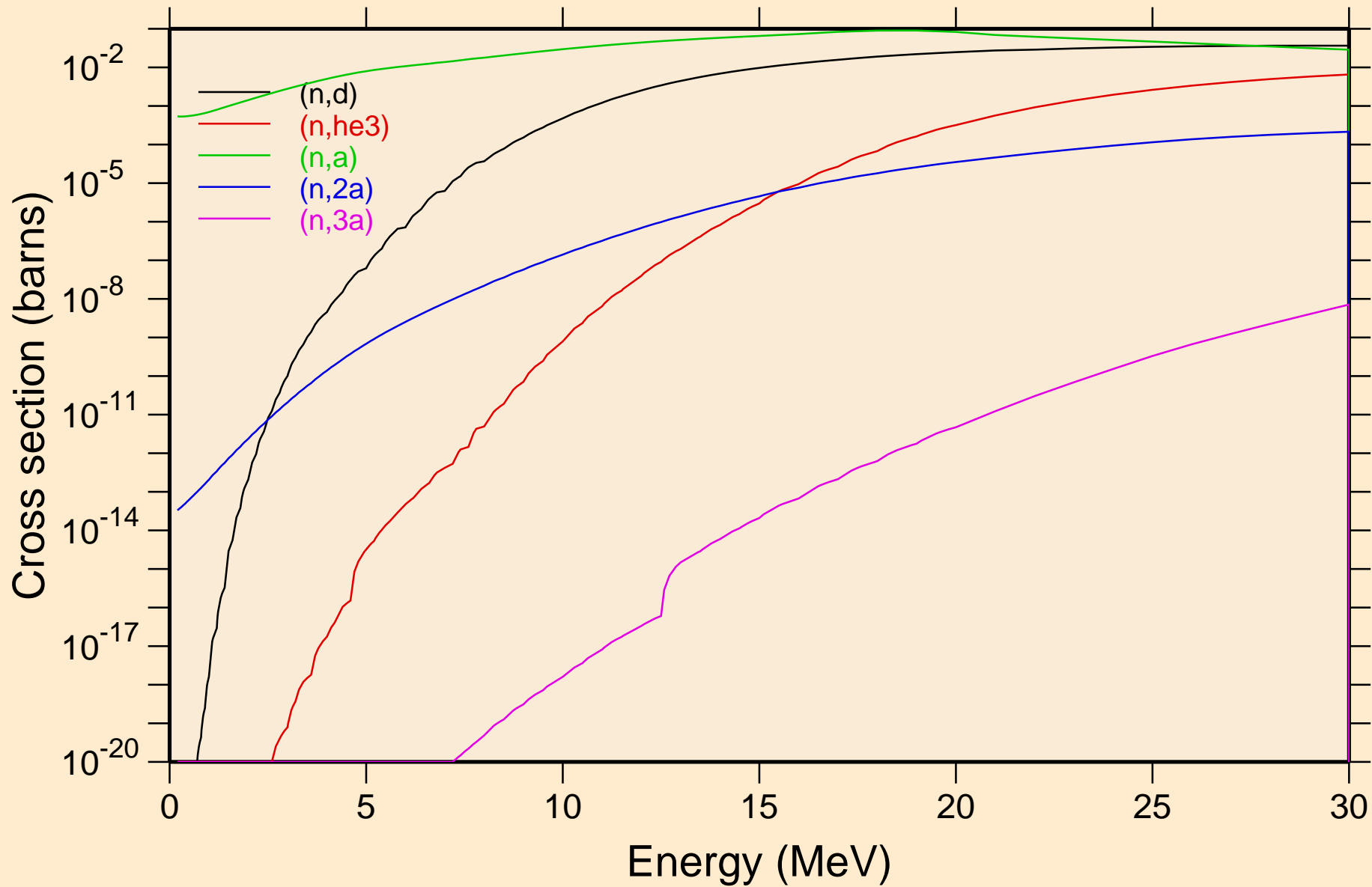
Damage



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

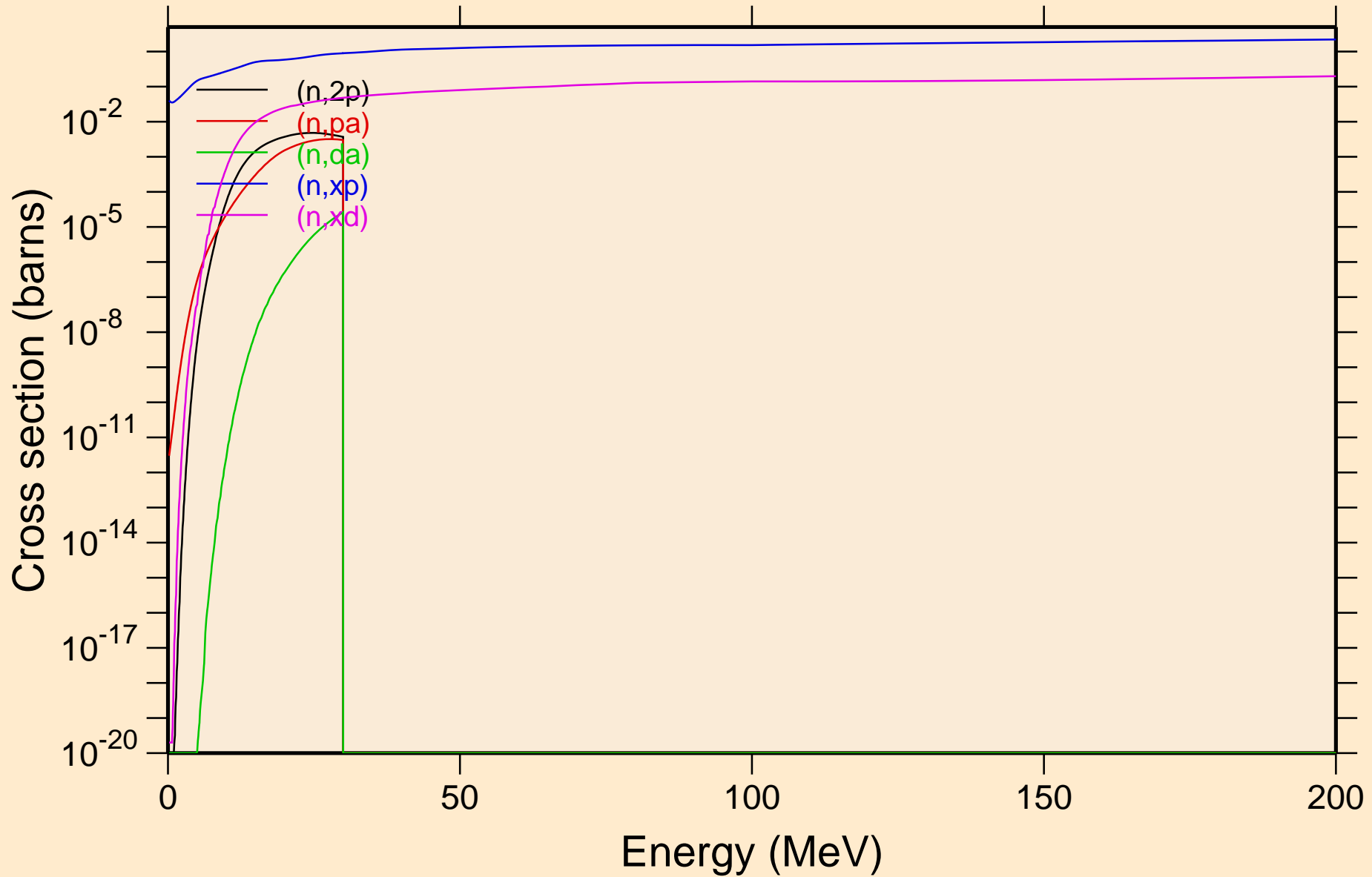


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

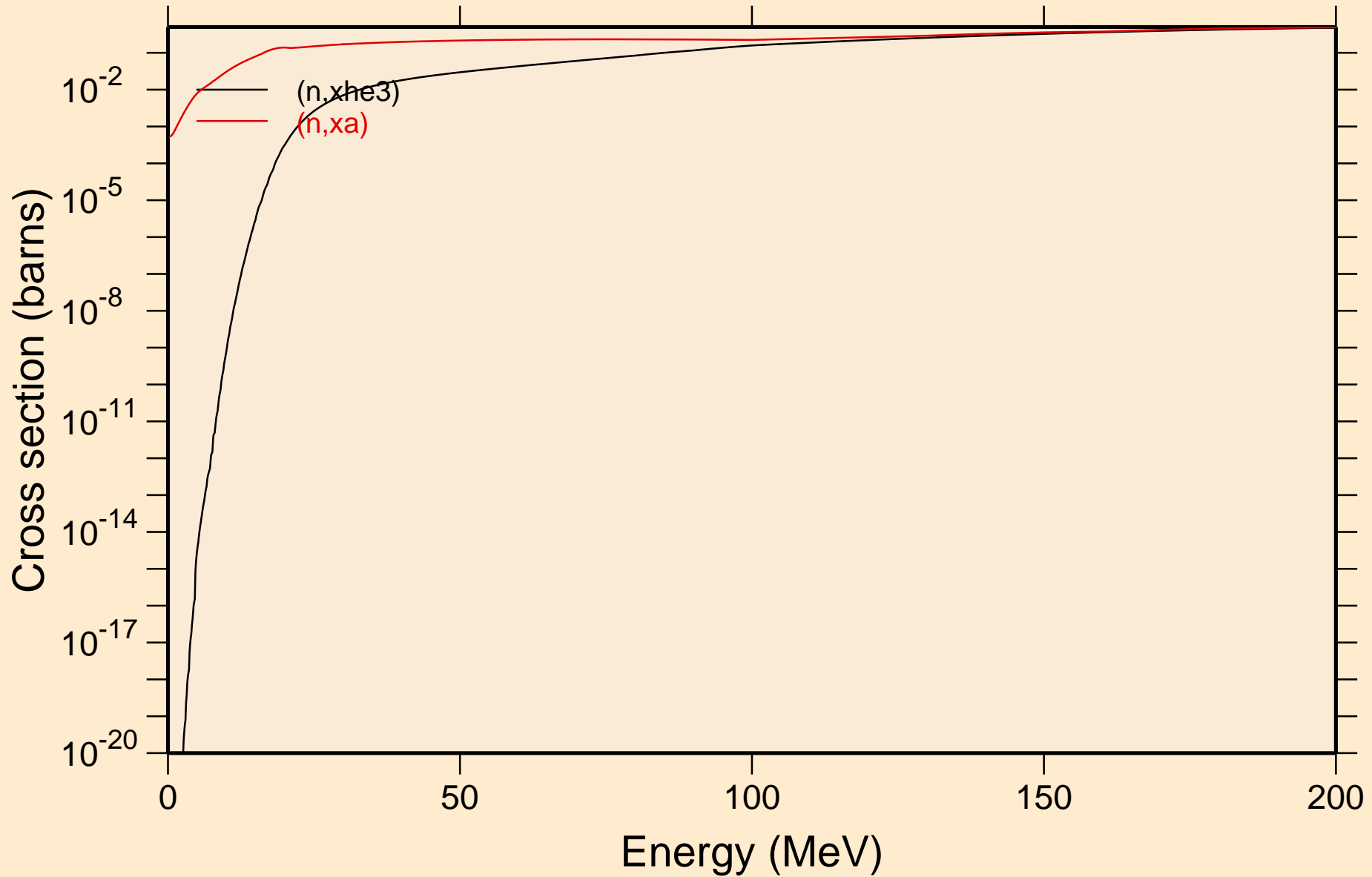


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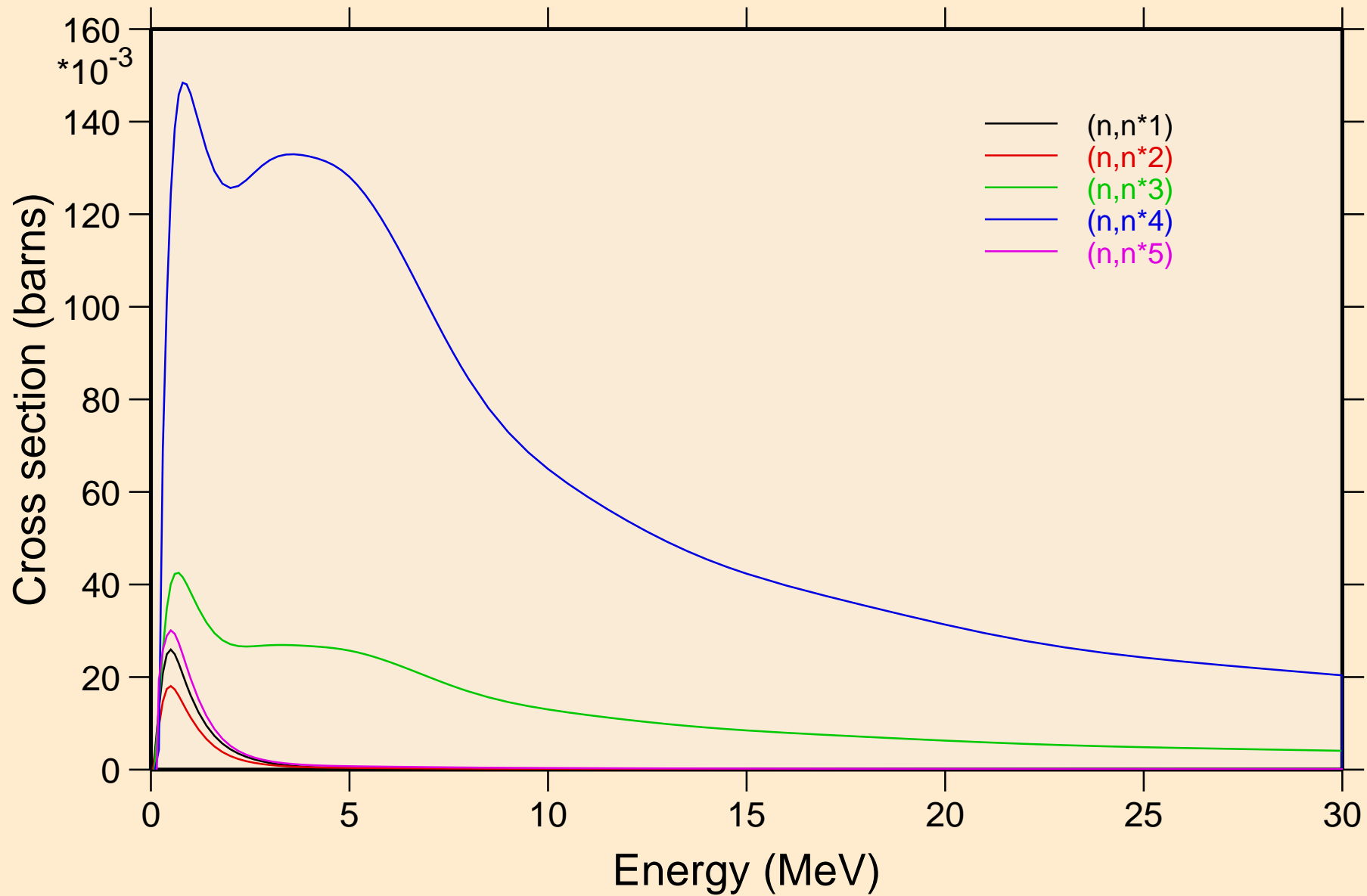
Non-threshold reactions



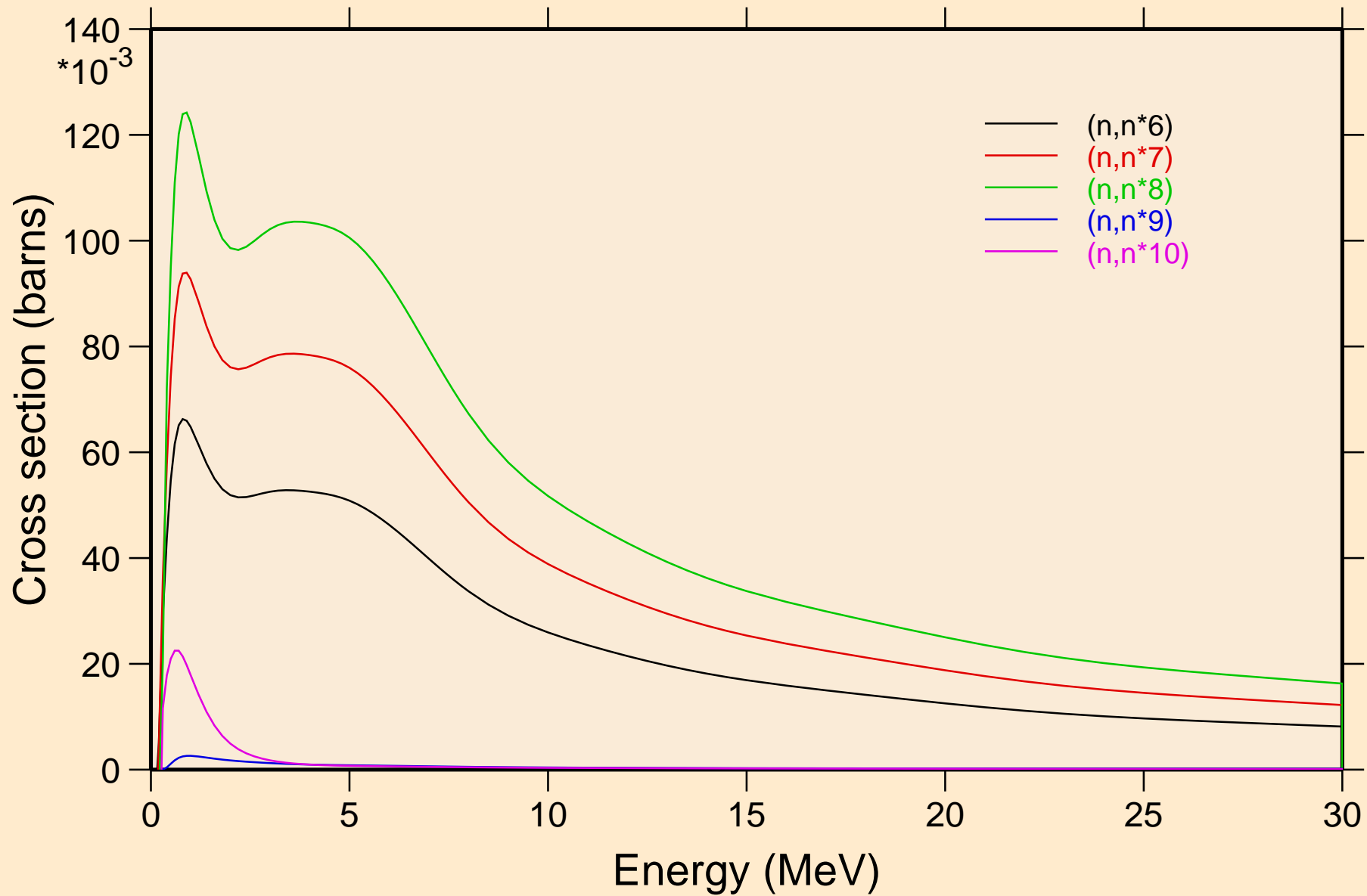
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



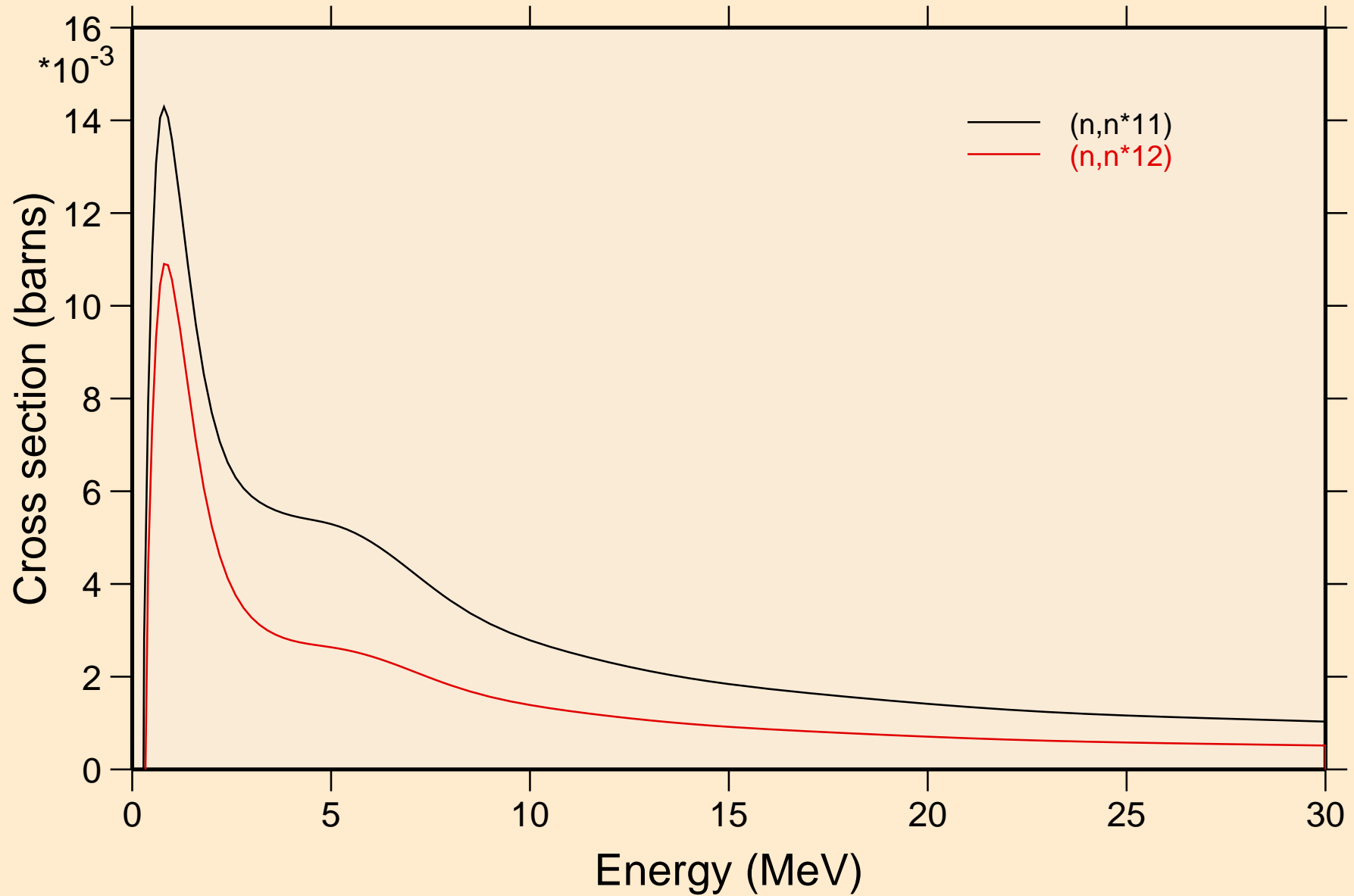
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

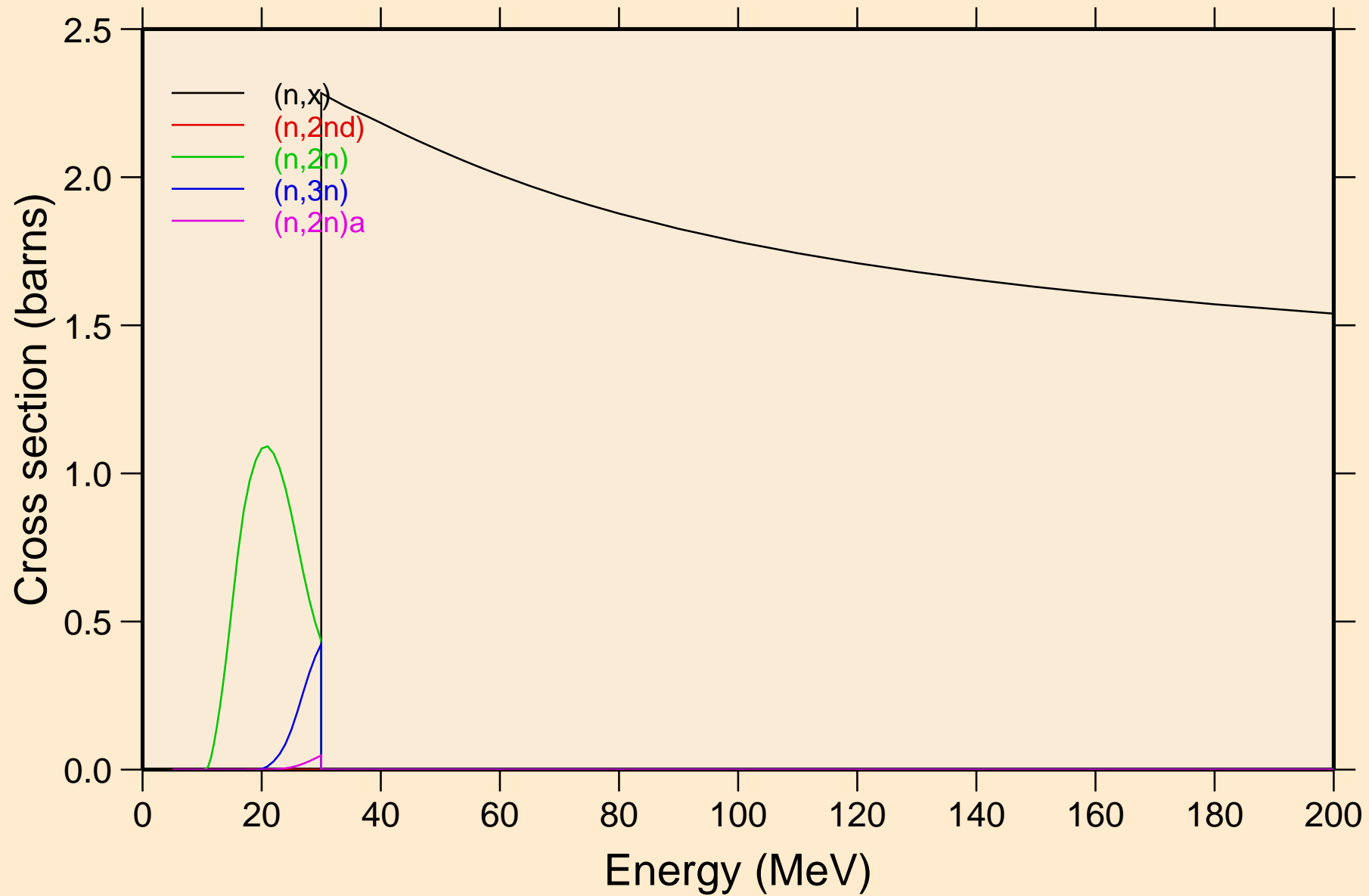


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

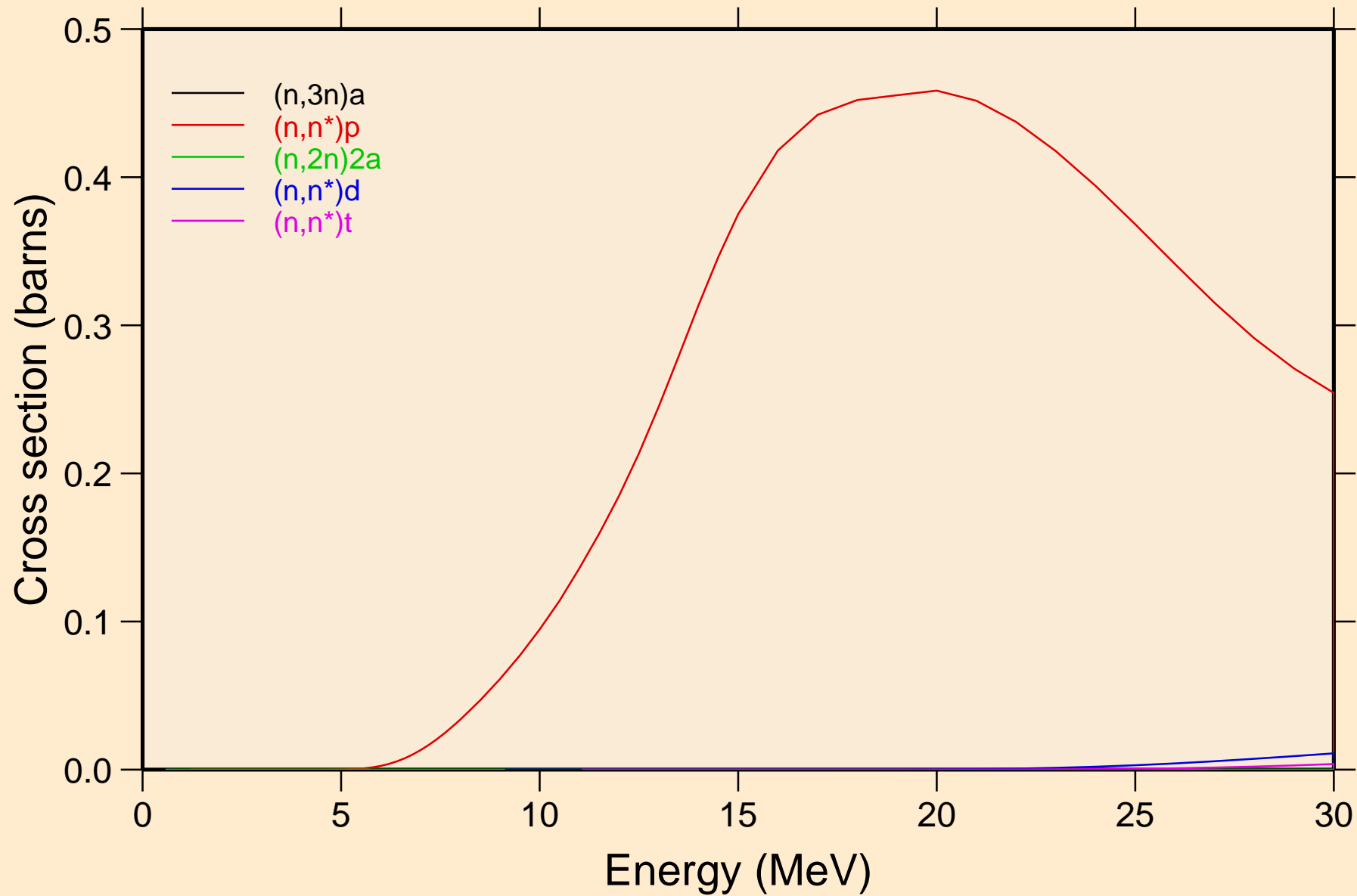


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

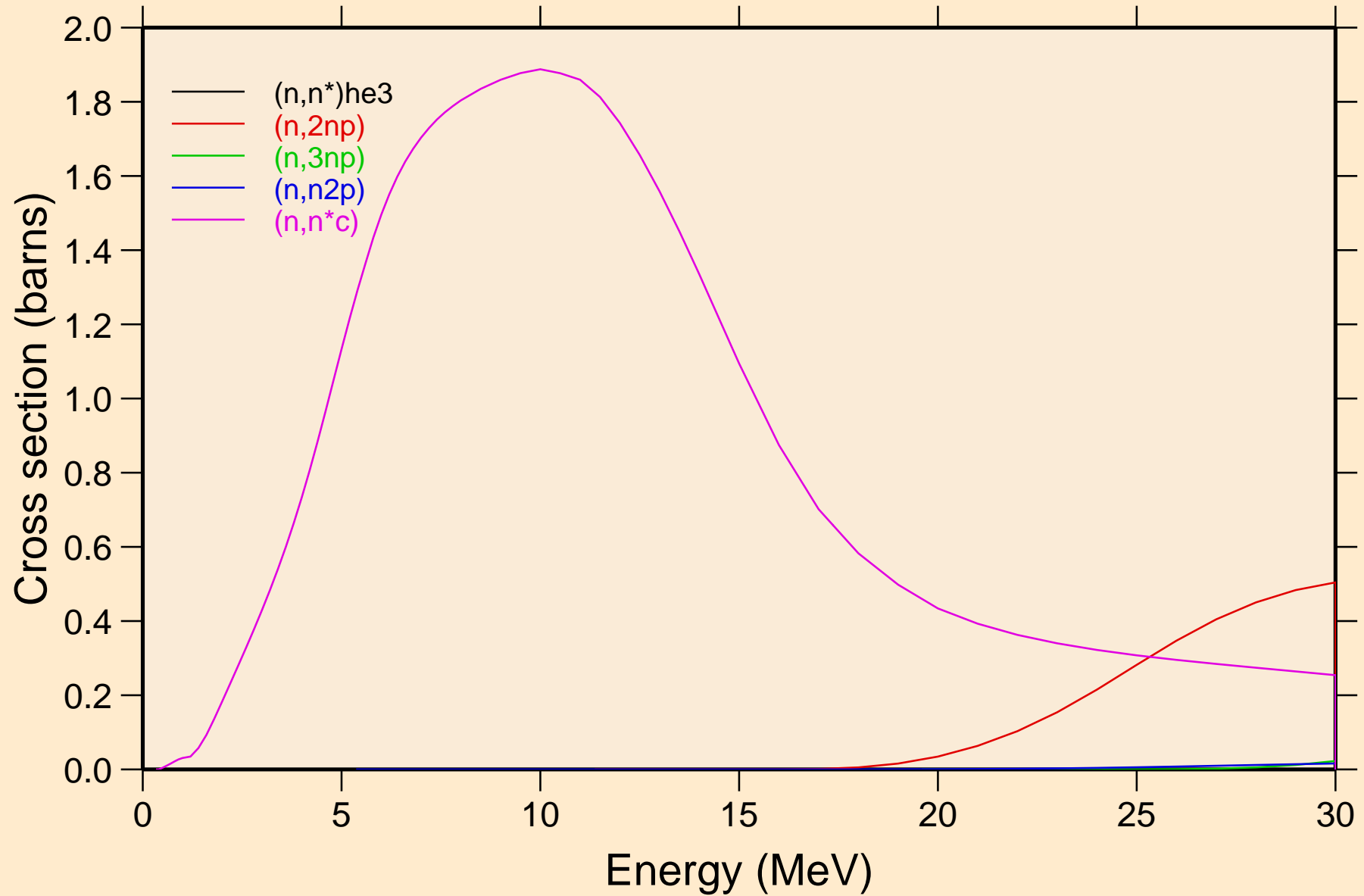
Threshold reactions



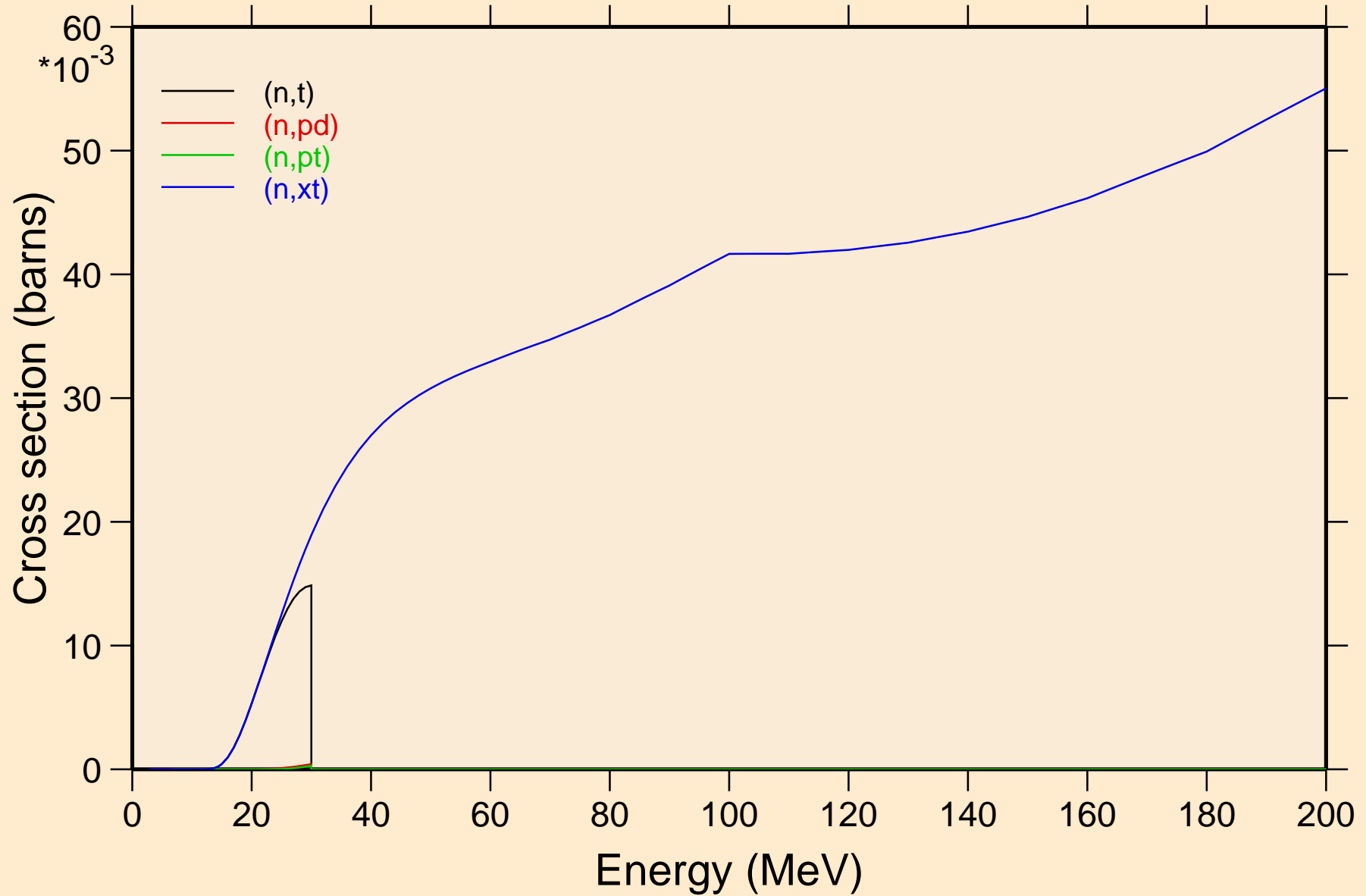
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



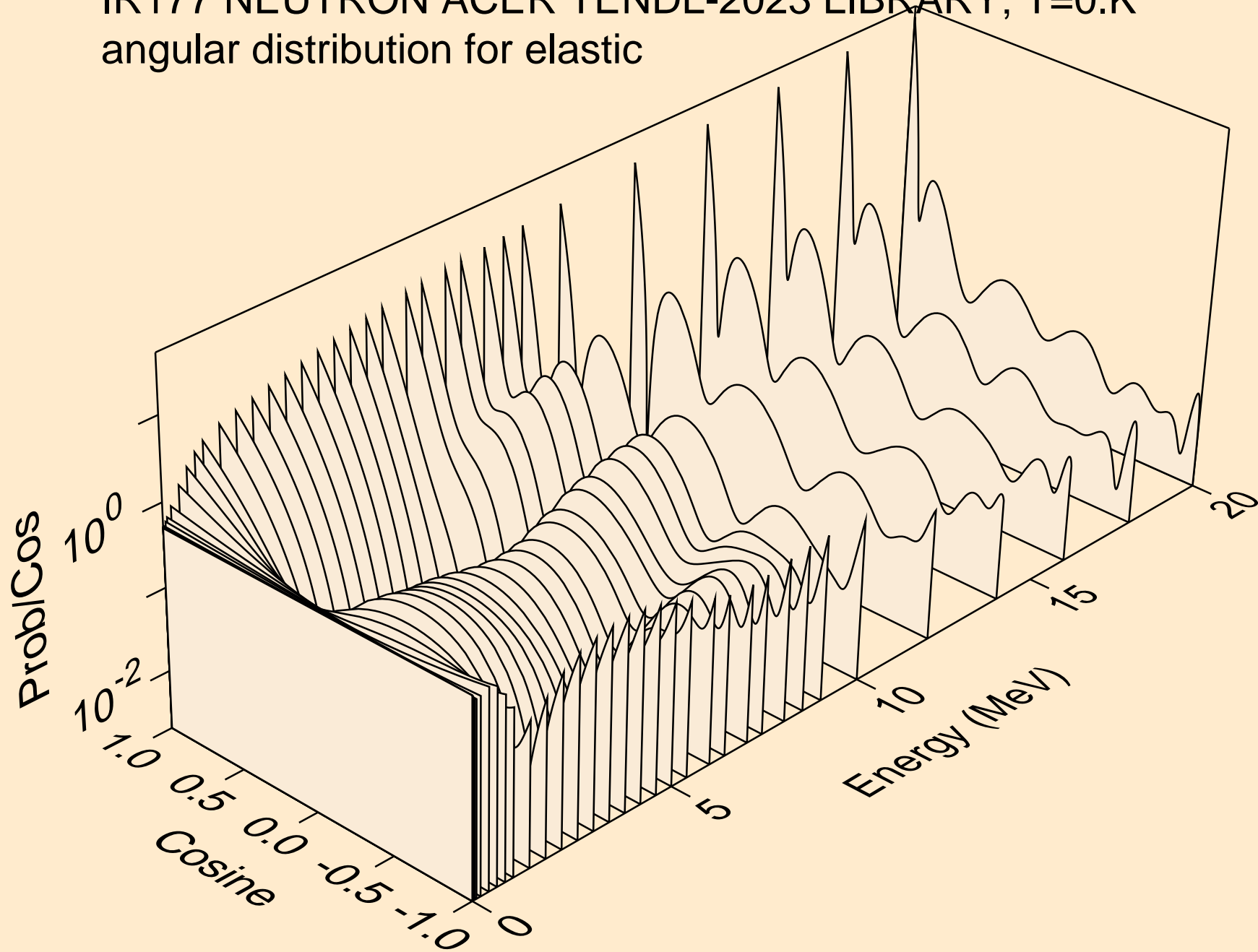
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



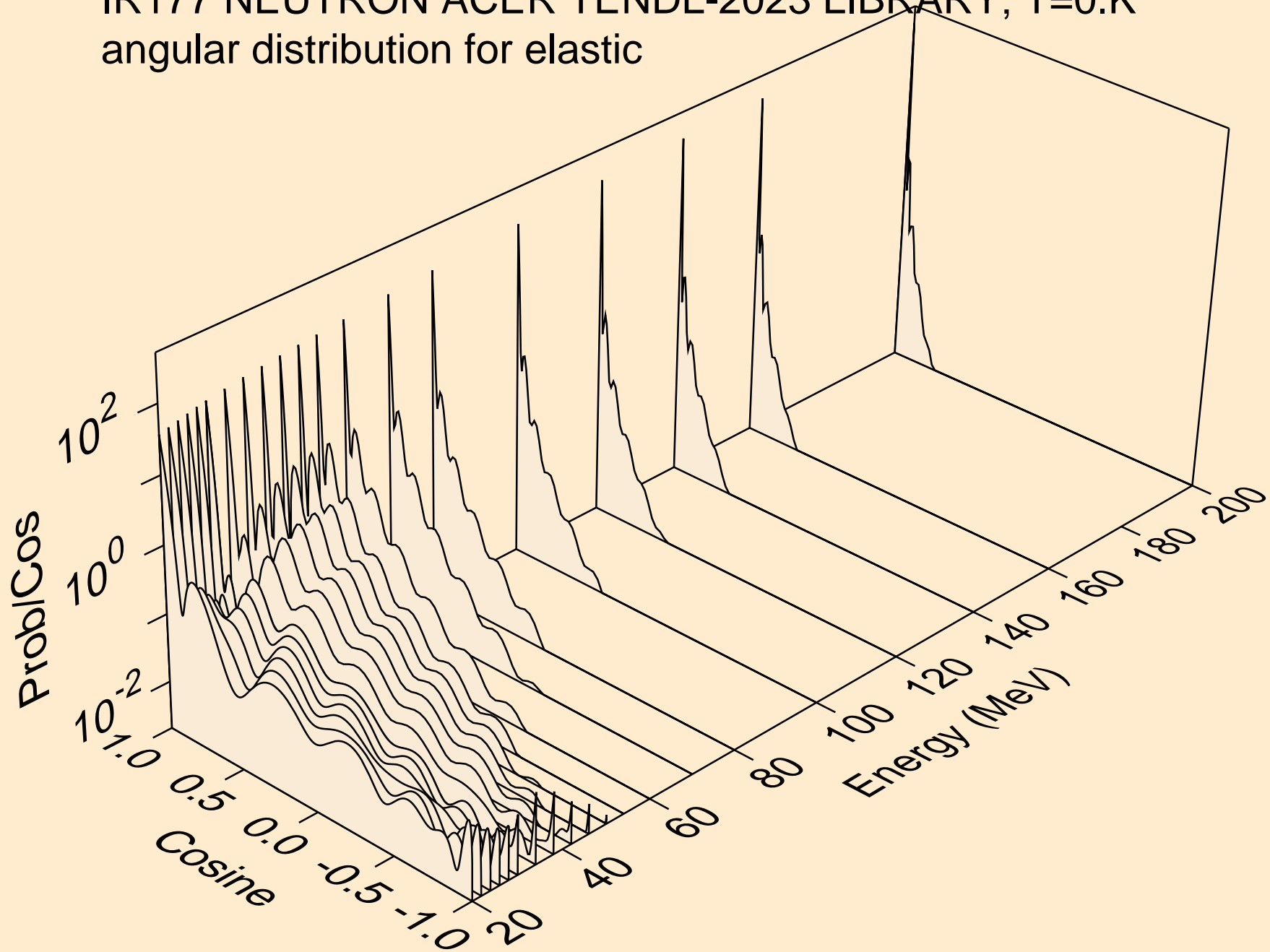
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions



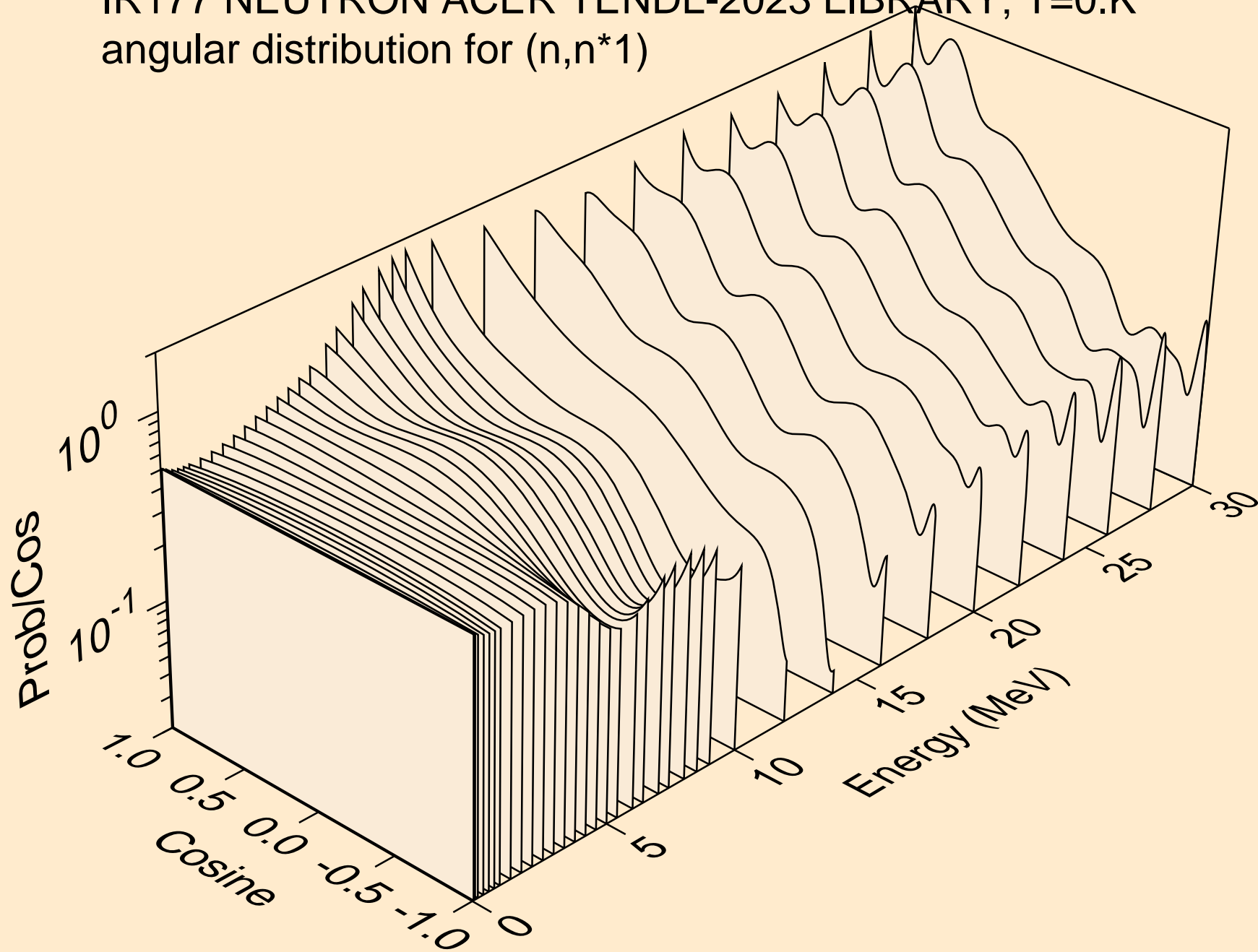
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



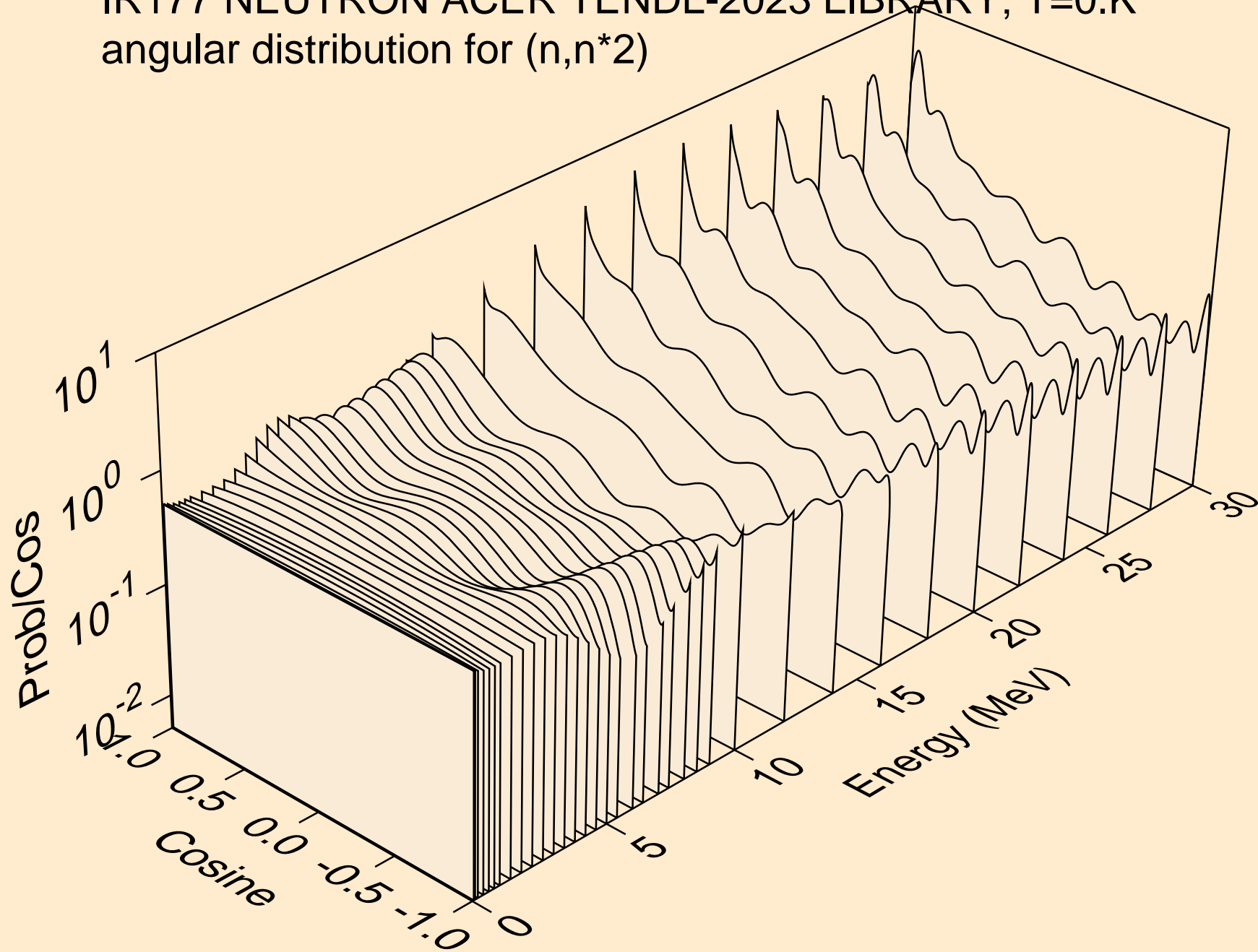
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



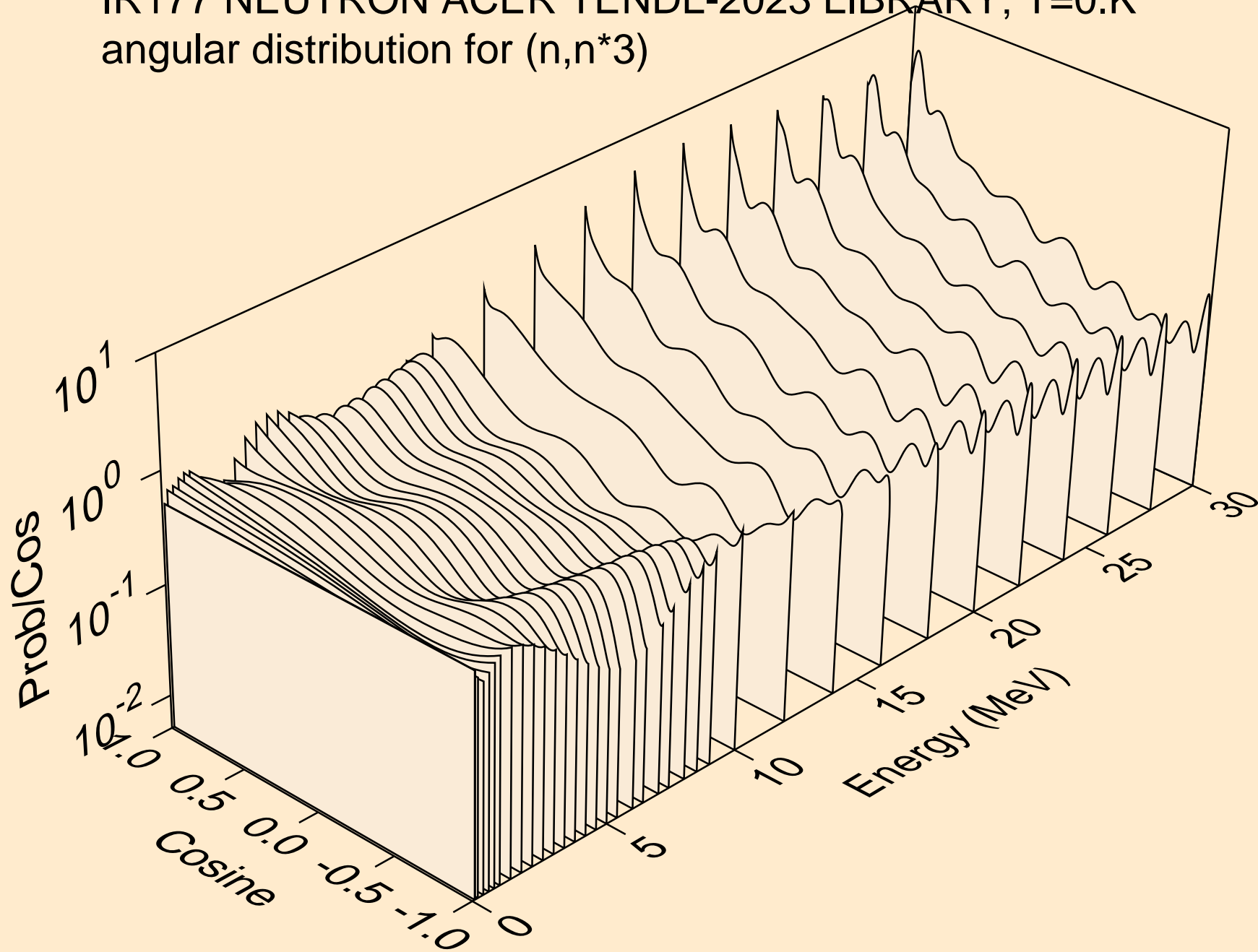
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



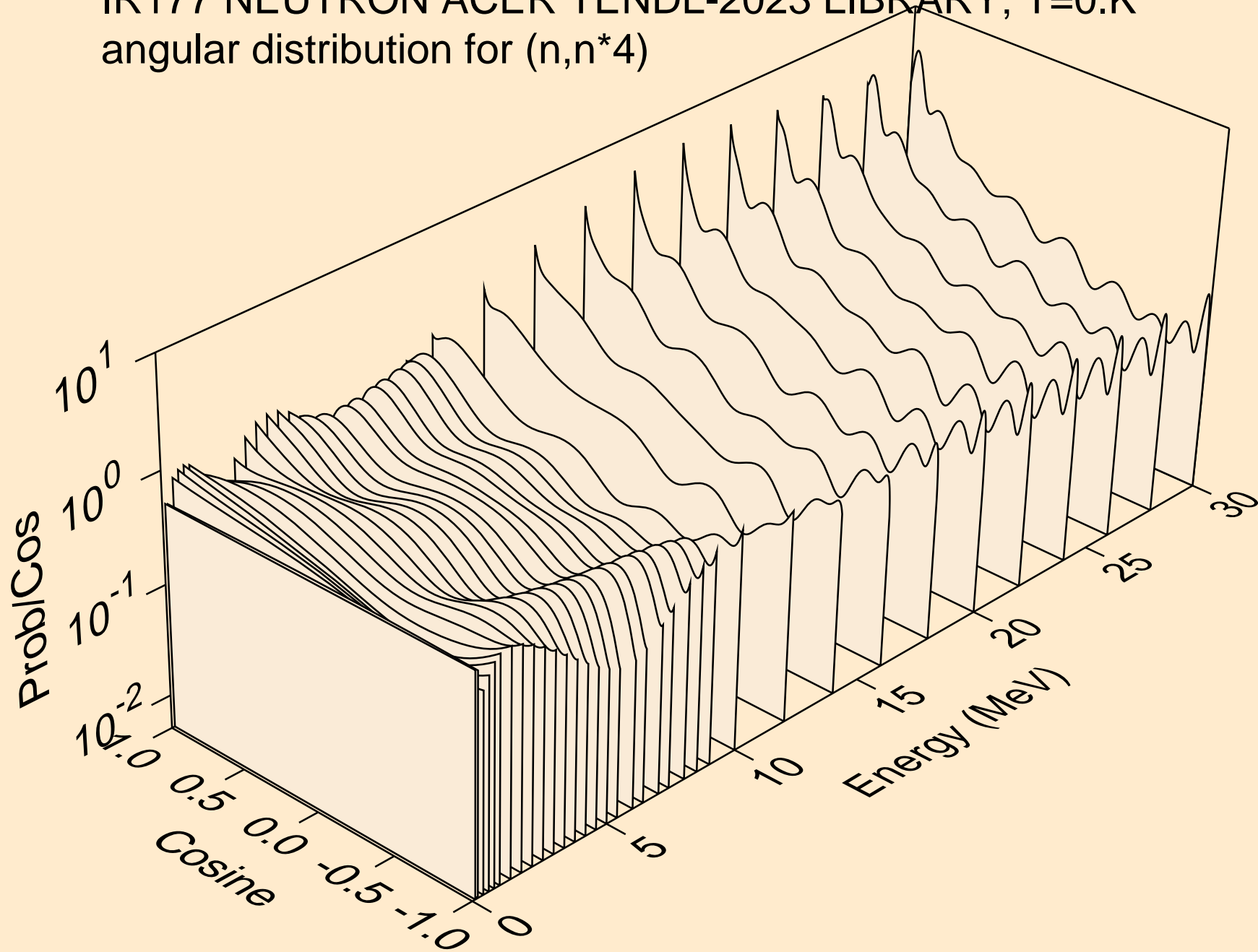
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



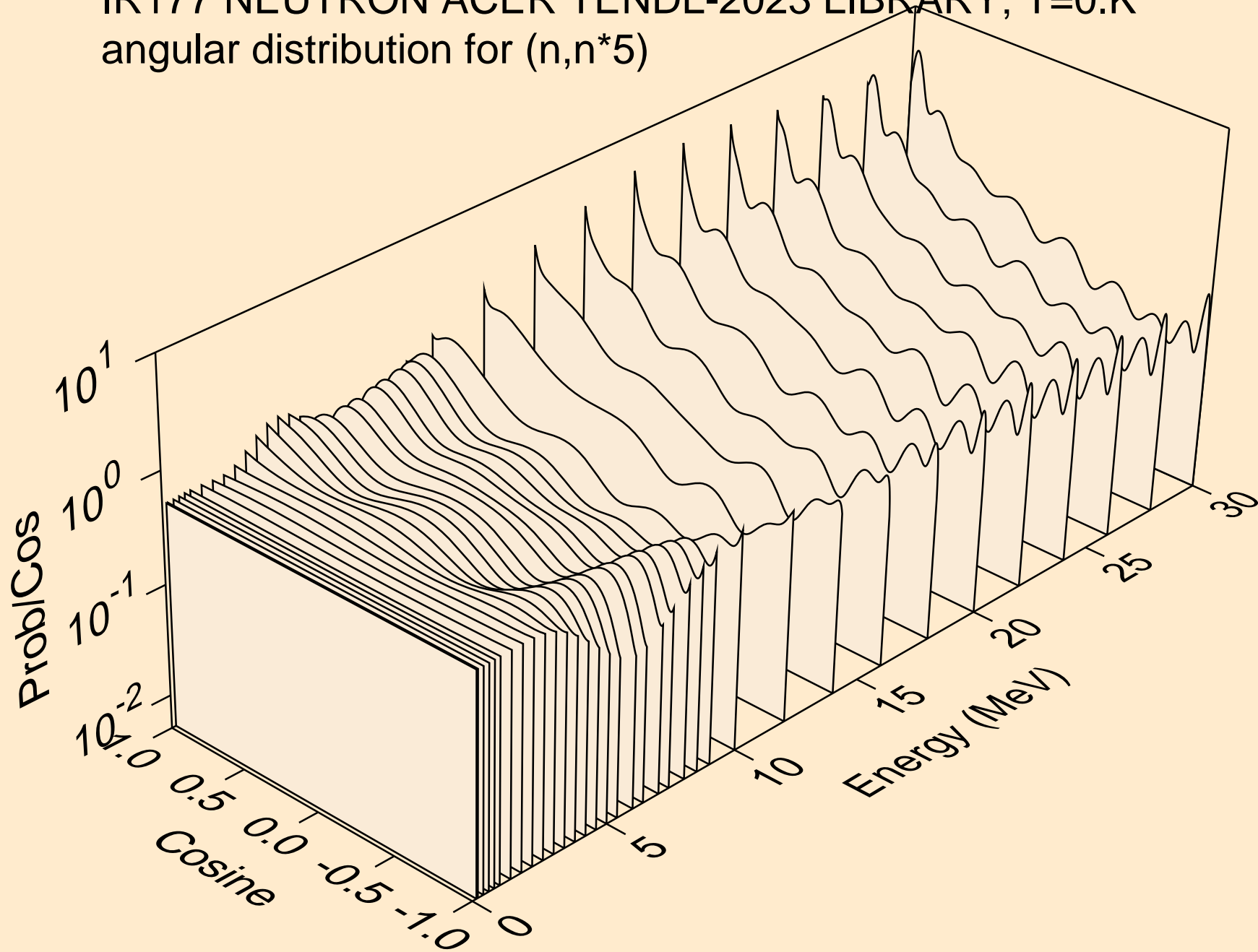
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



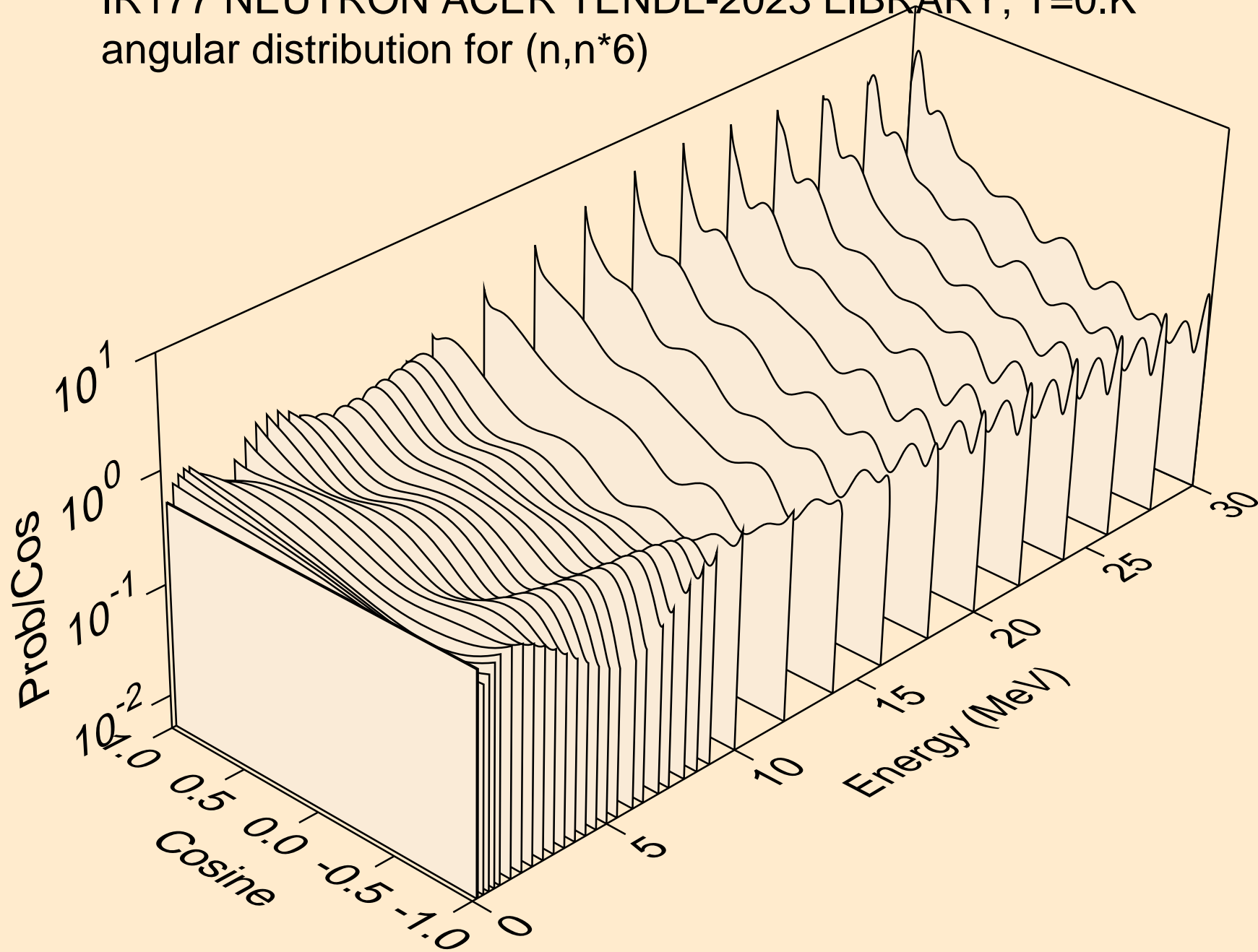
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



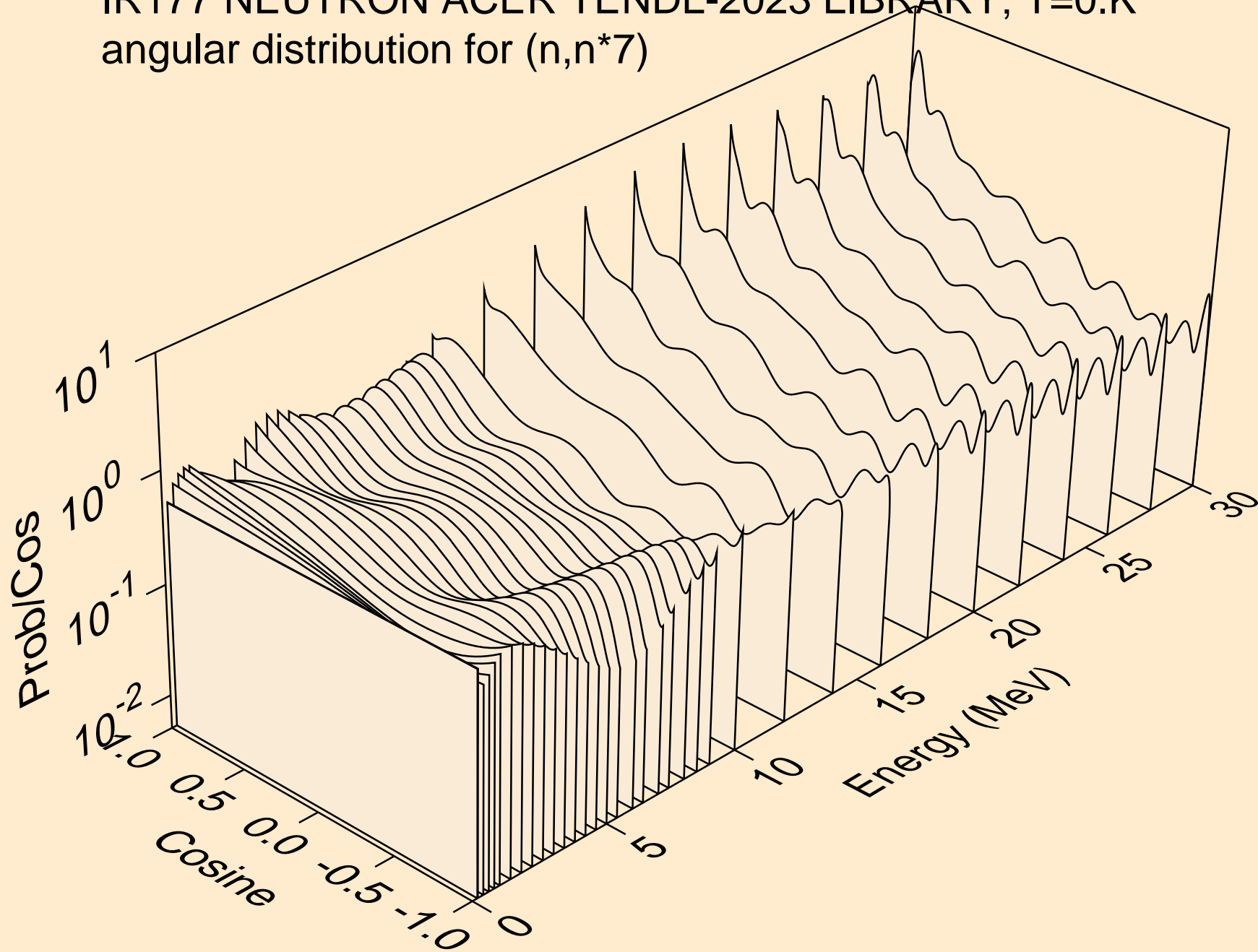
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



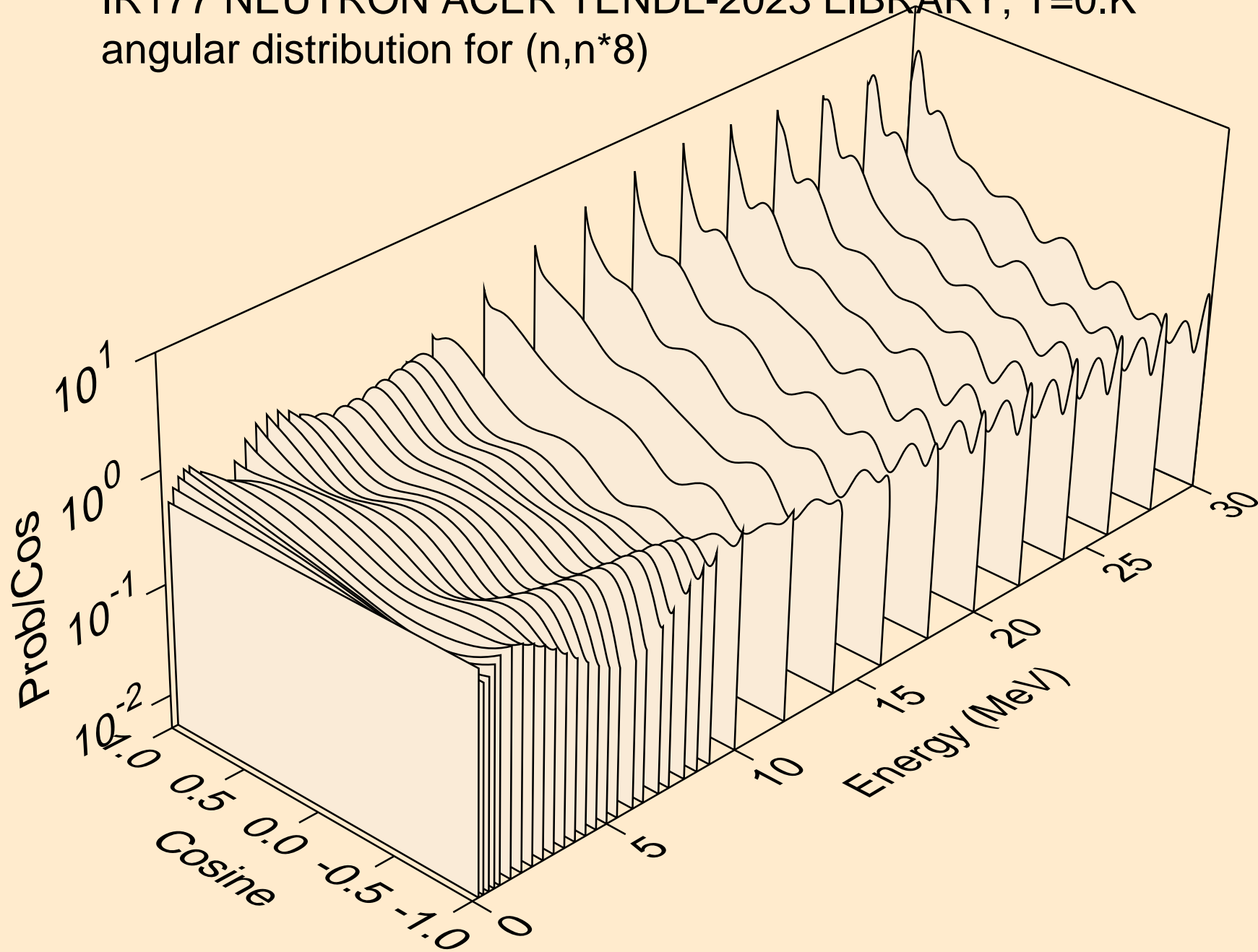
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



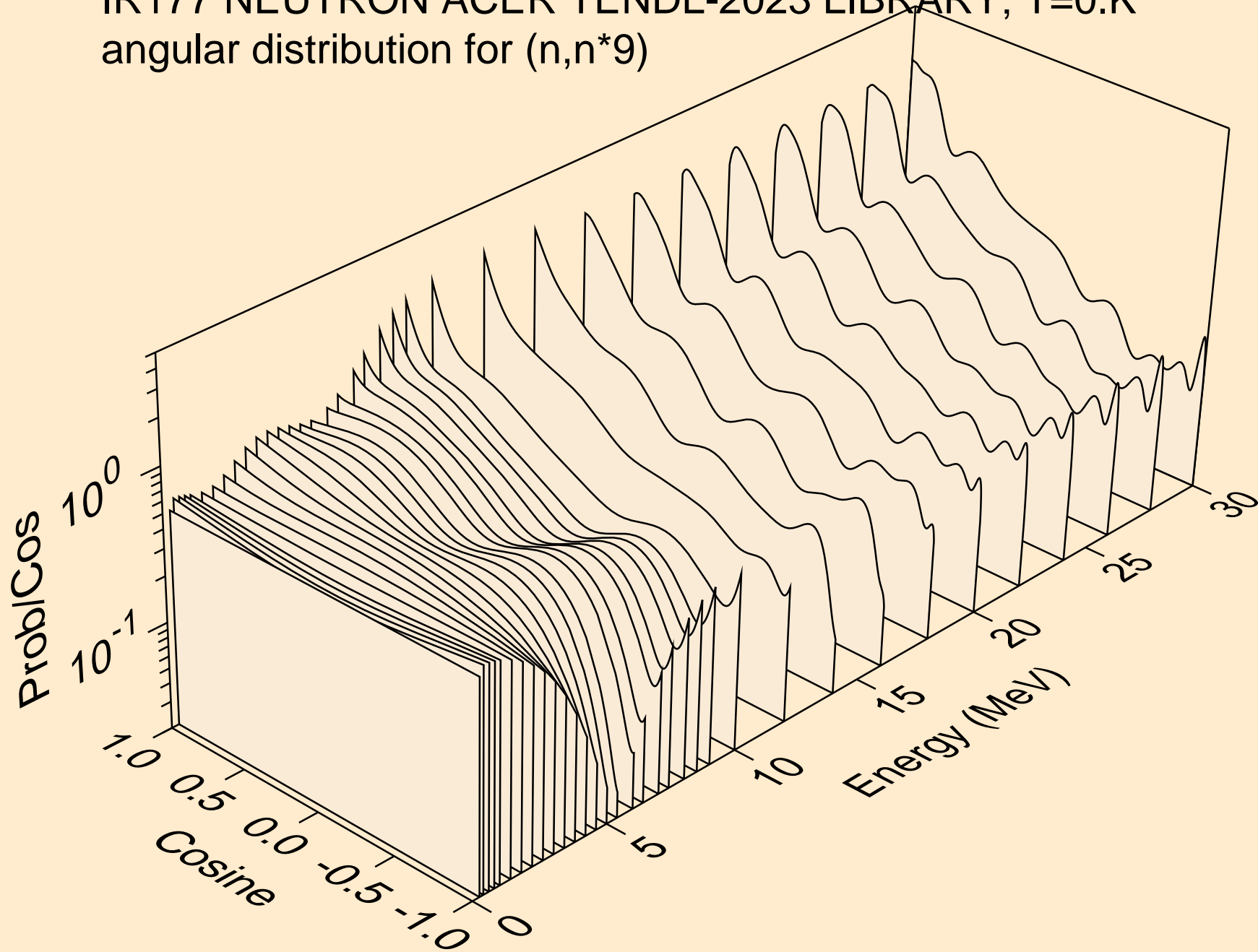
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



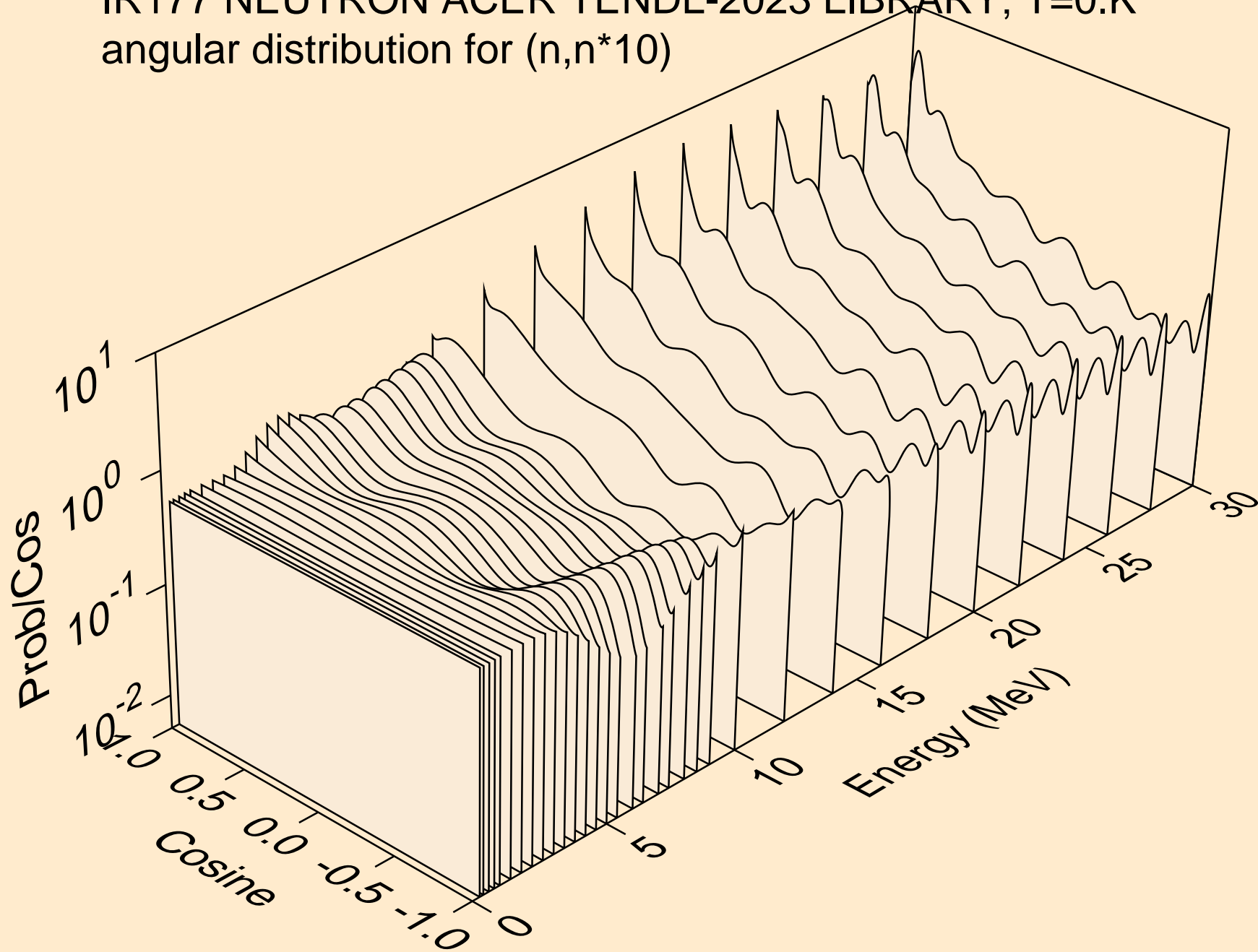
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



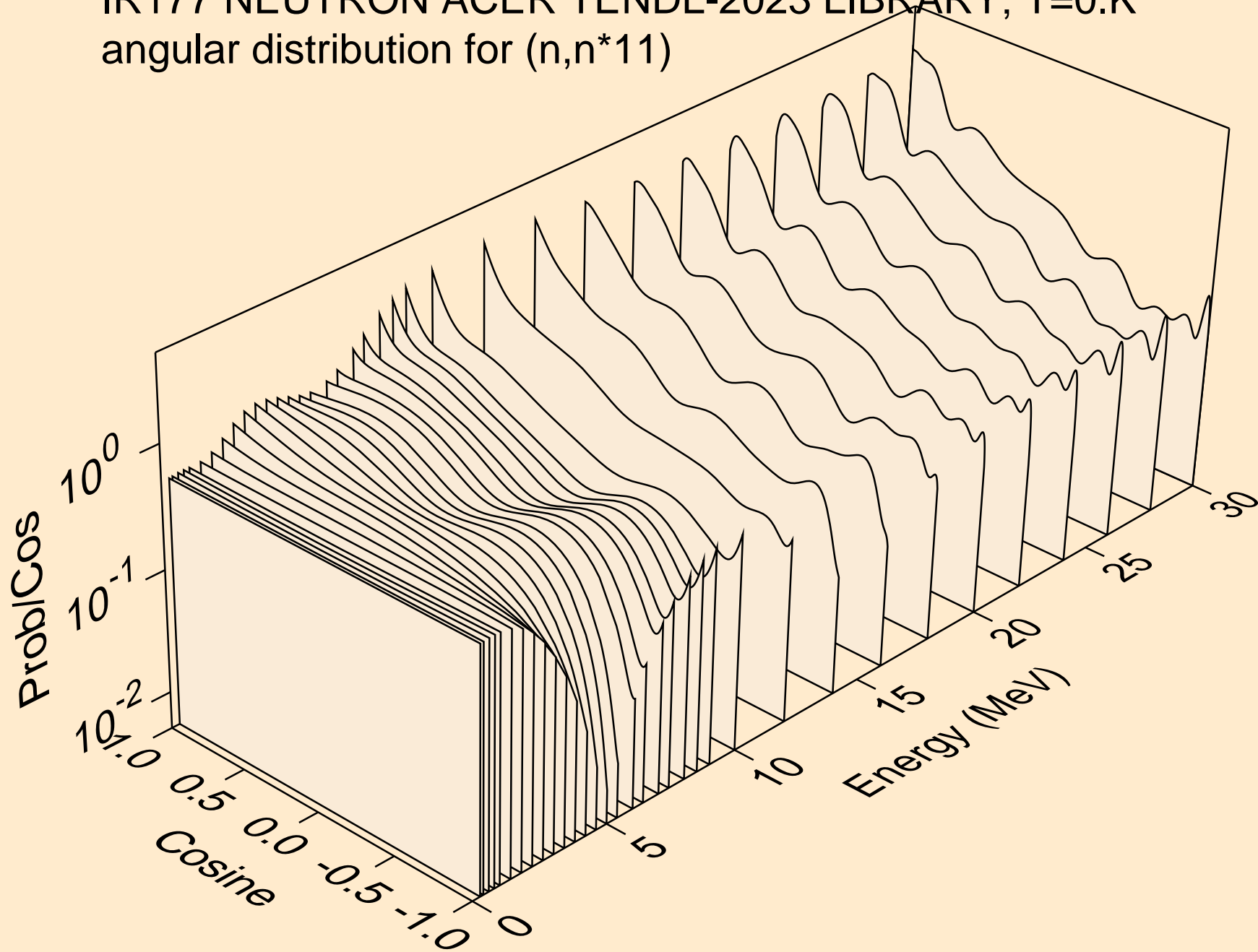
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



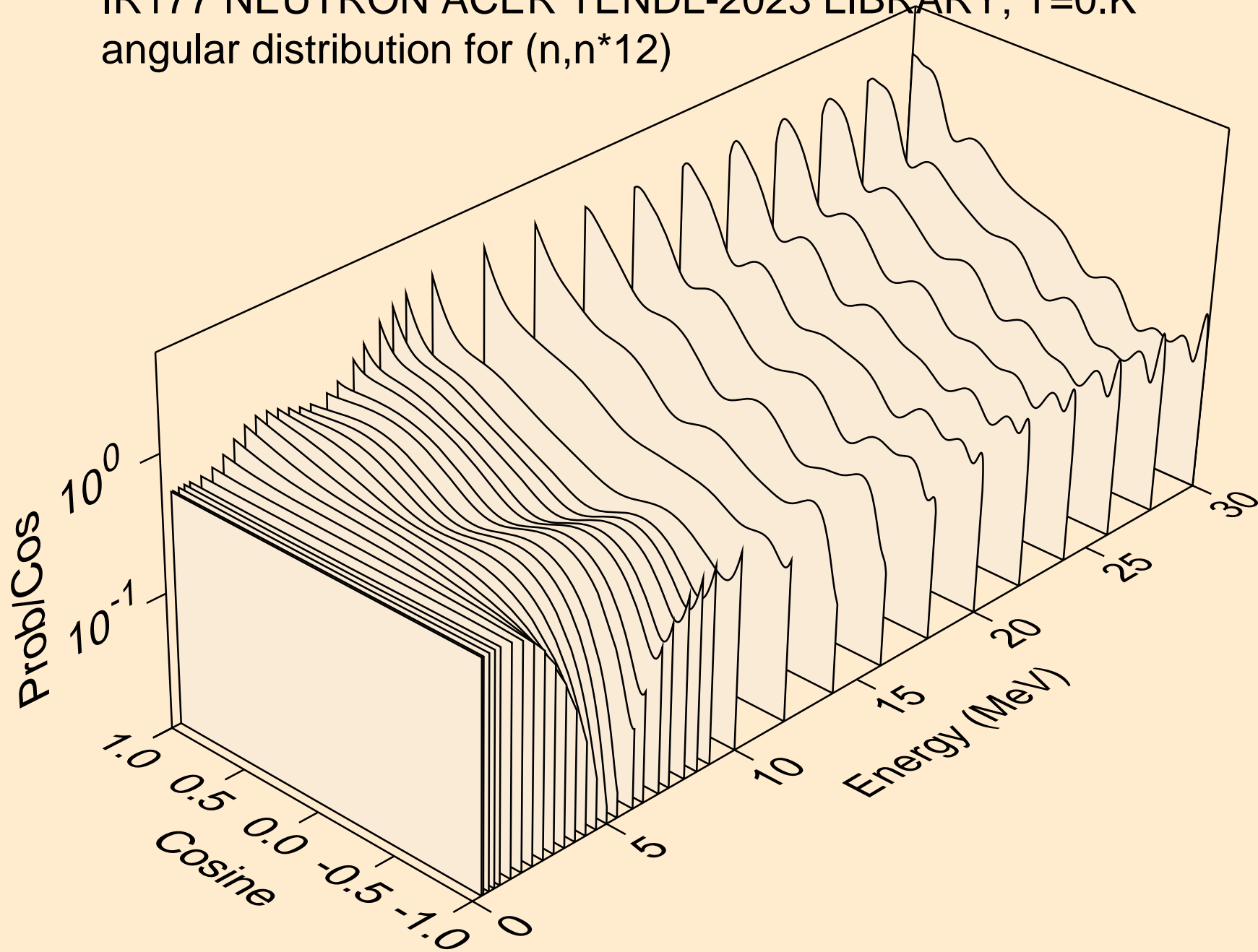
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angular distribution for (n,n*10)



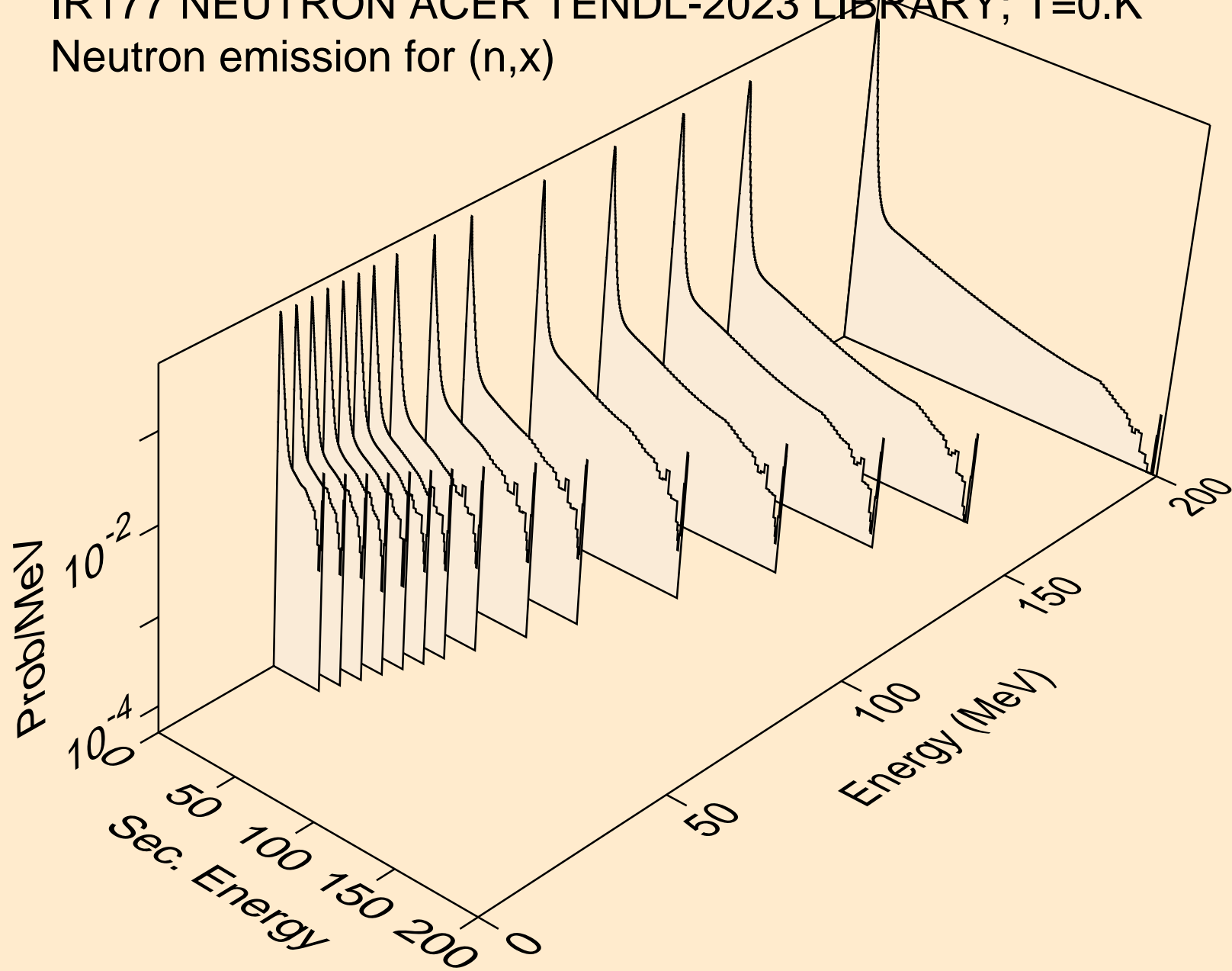
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angular distribution for (n,n*11)



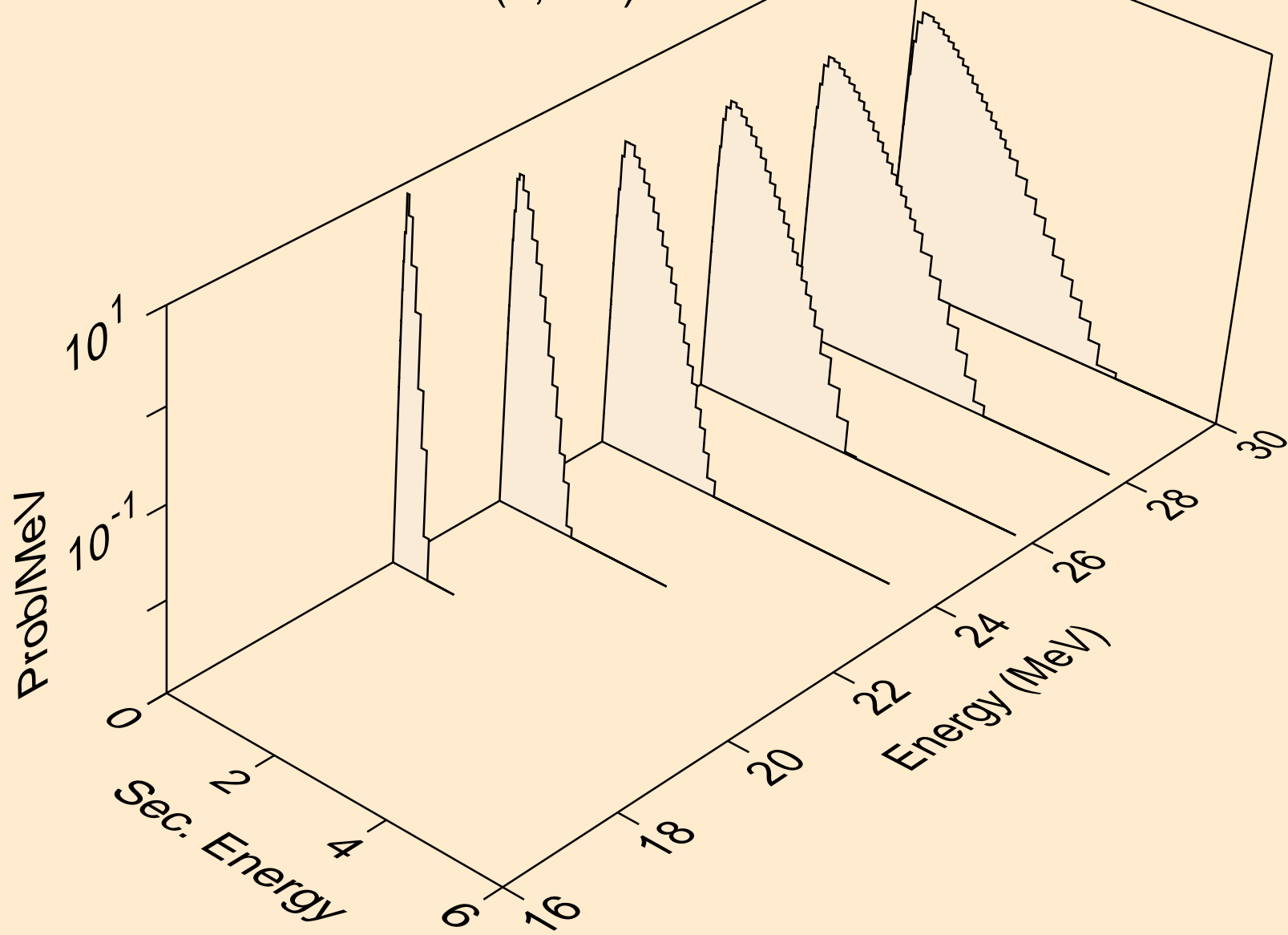
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angular distribution for (n,n*12)



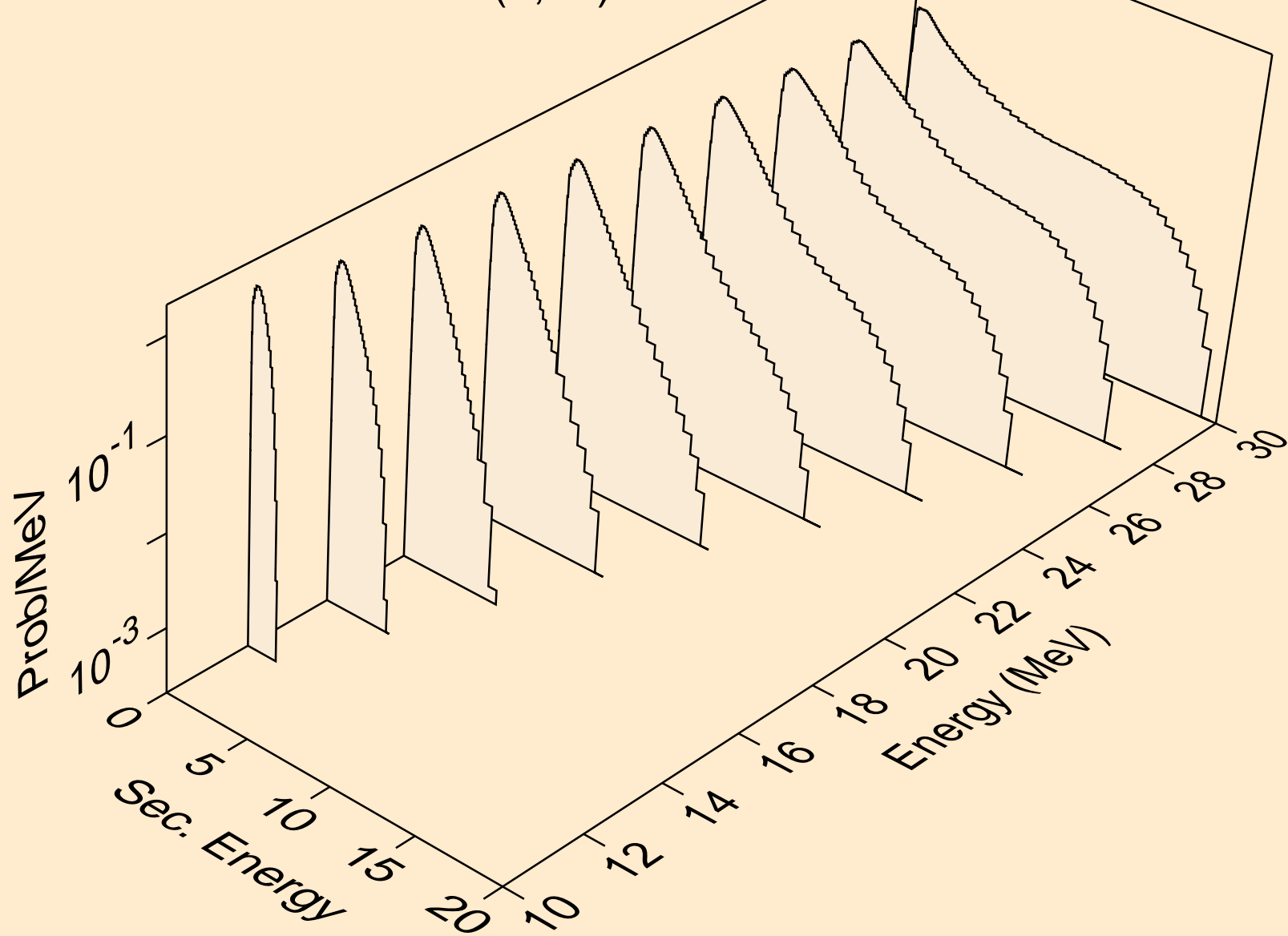
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



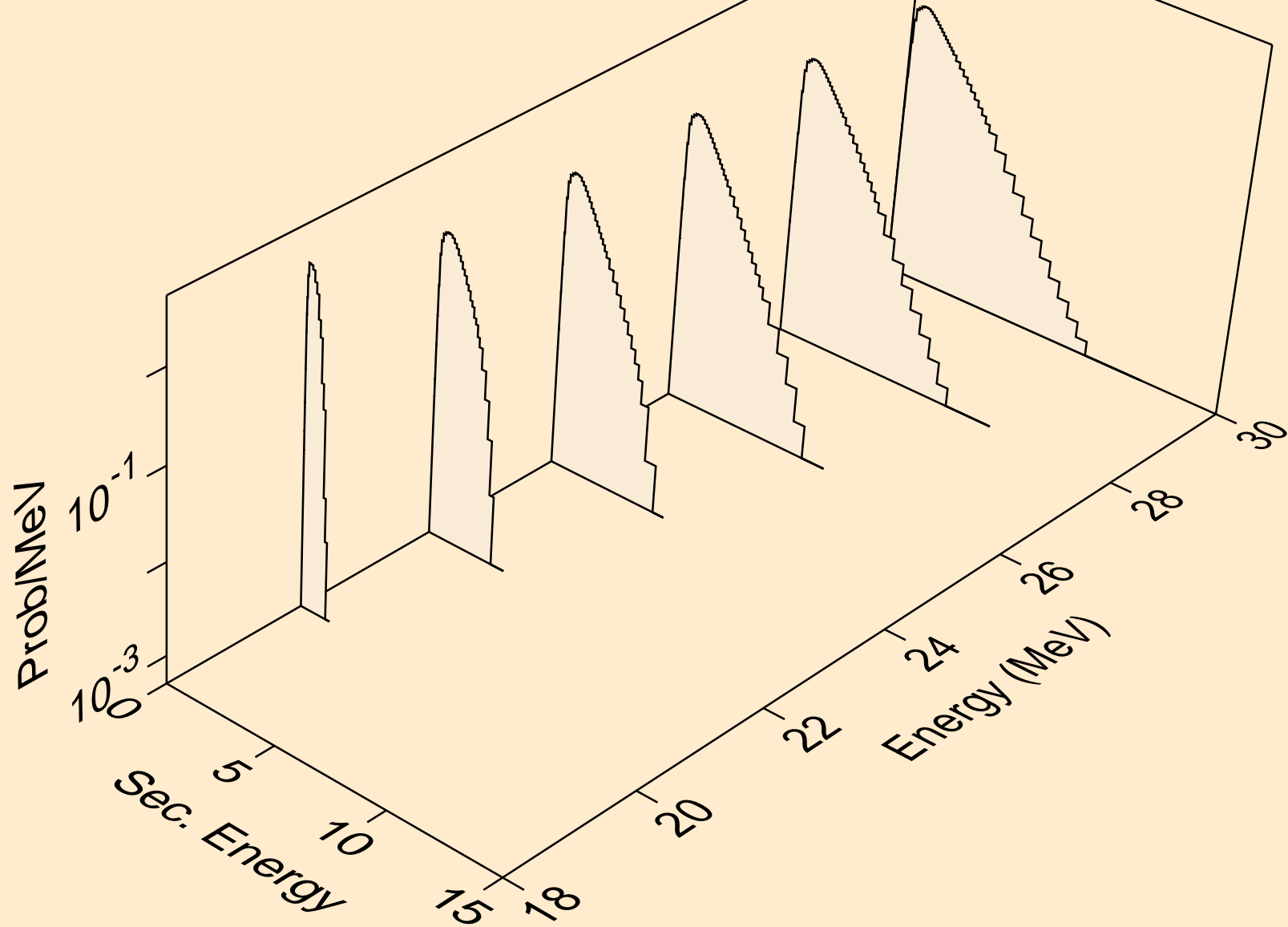
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



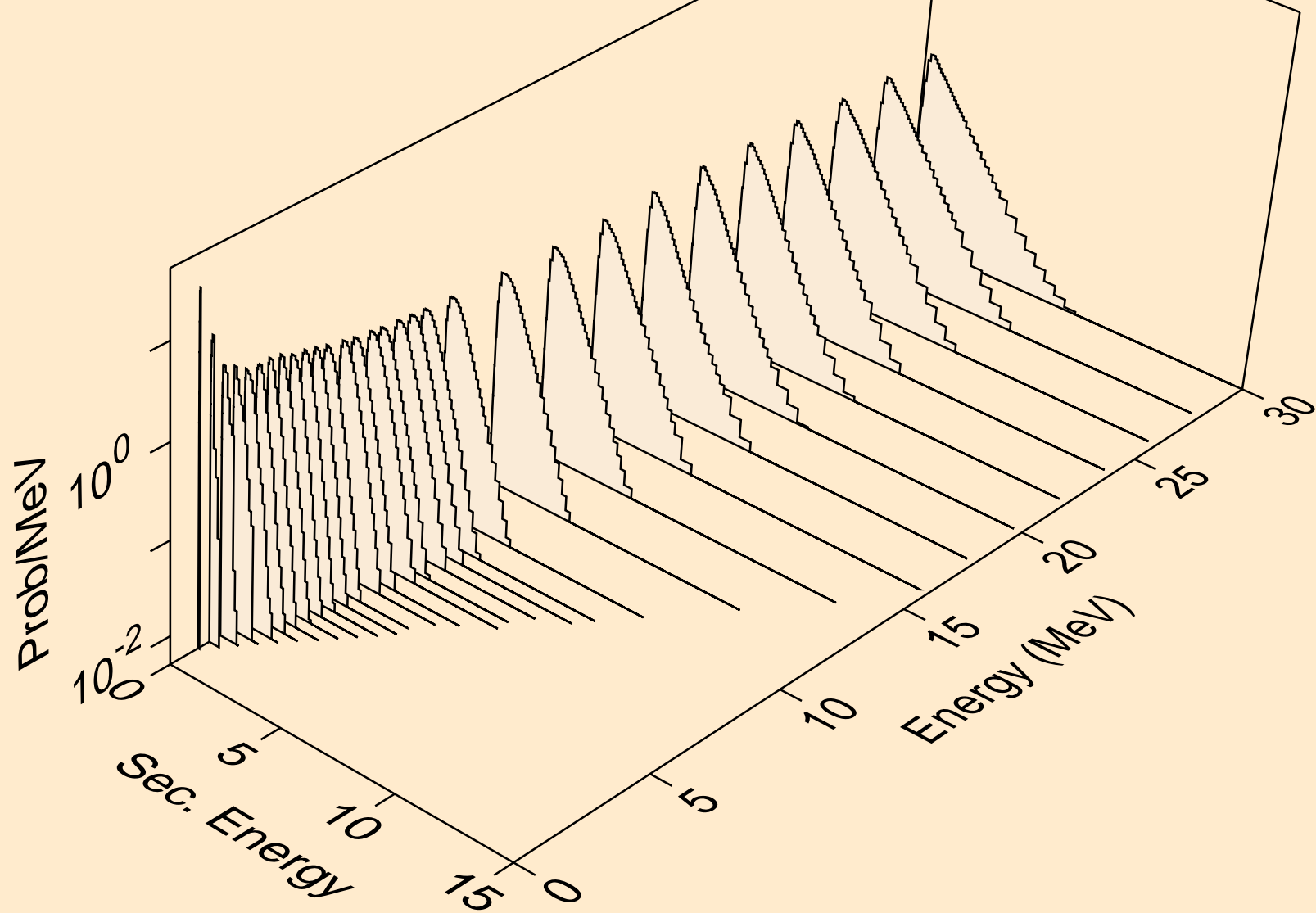
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



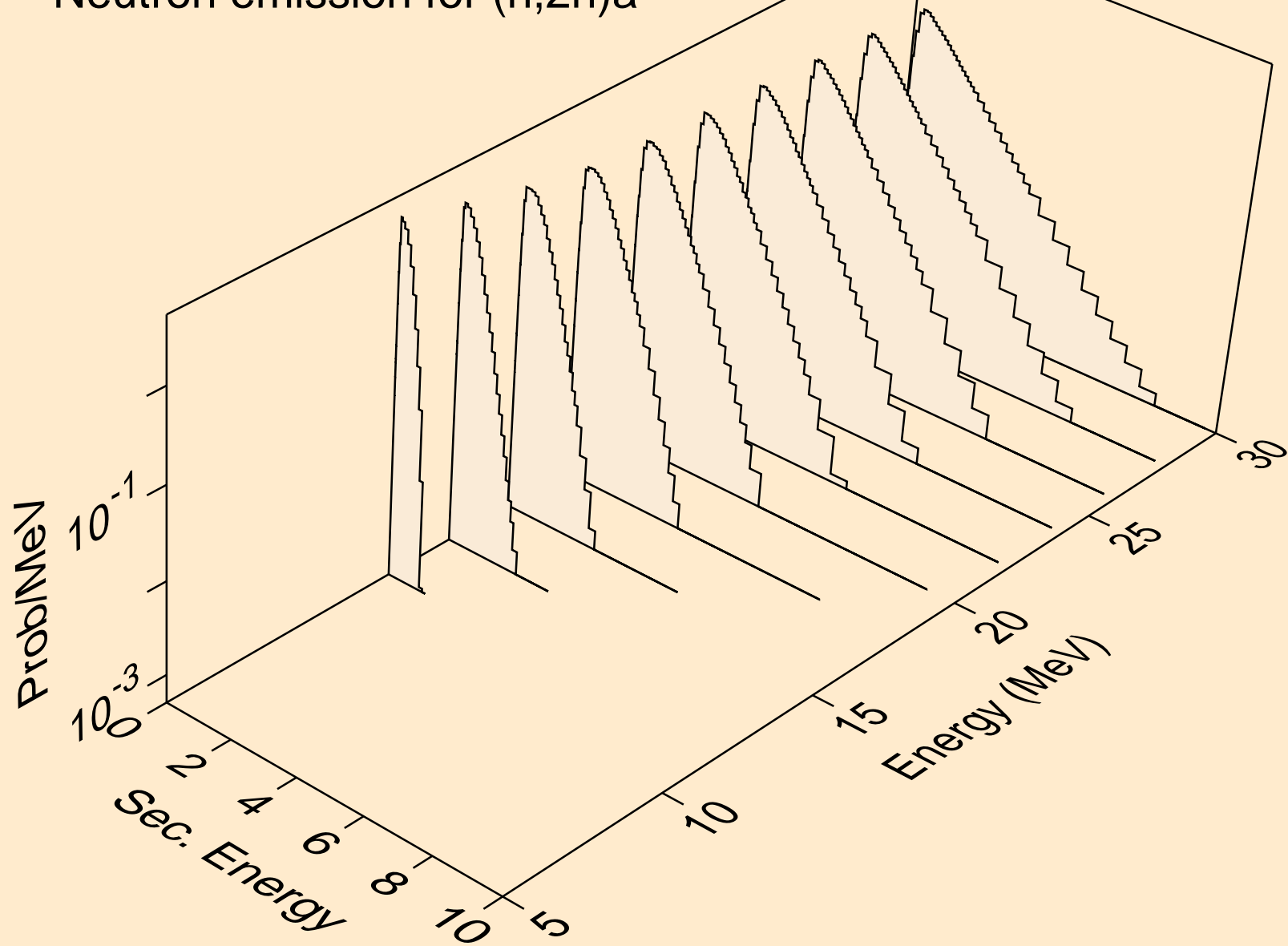
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



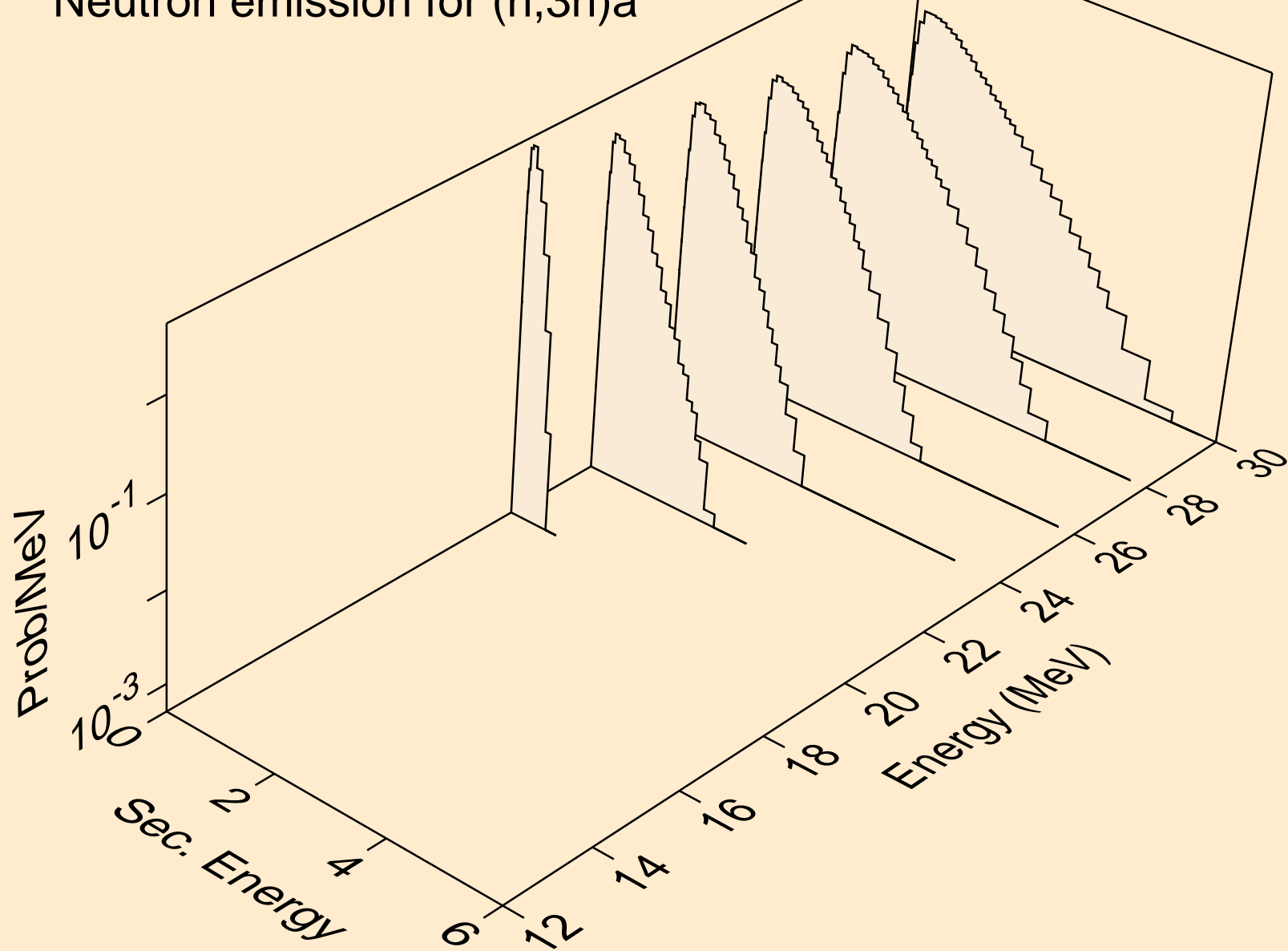
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



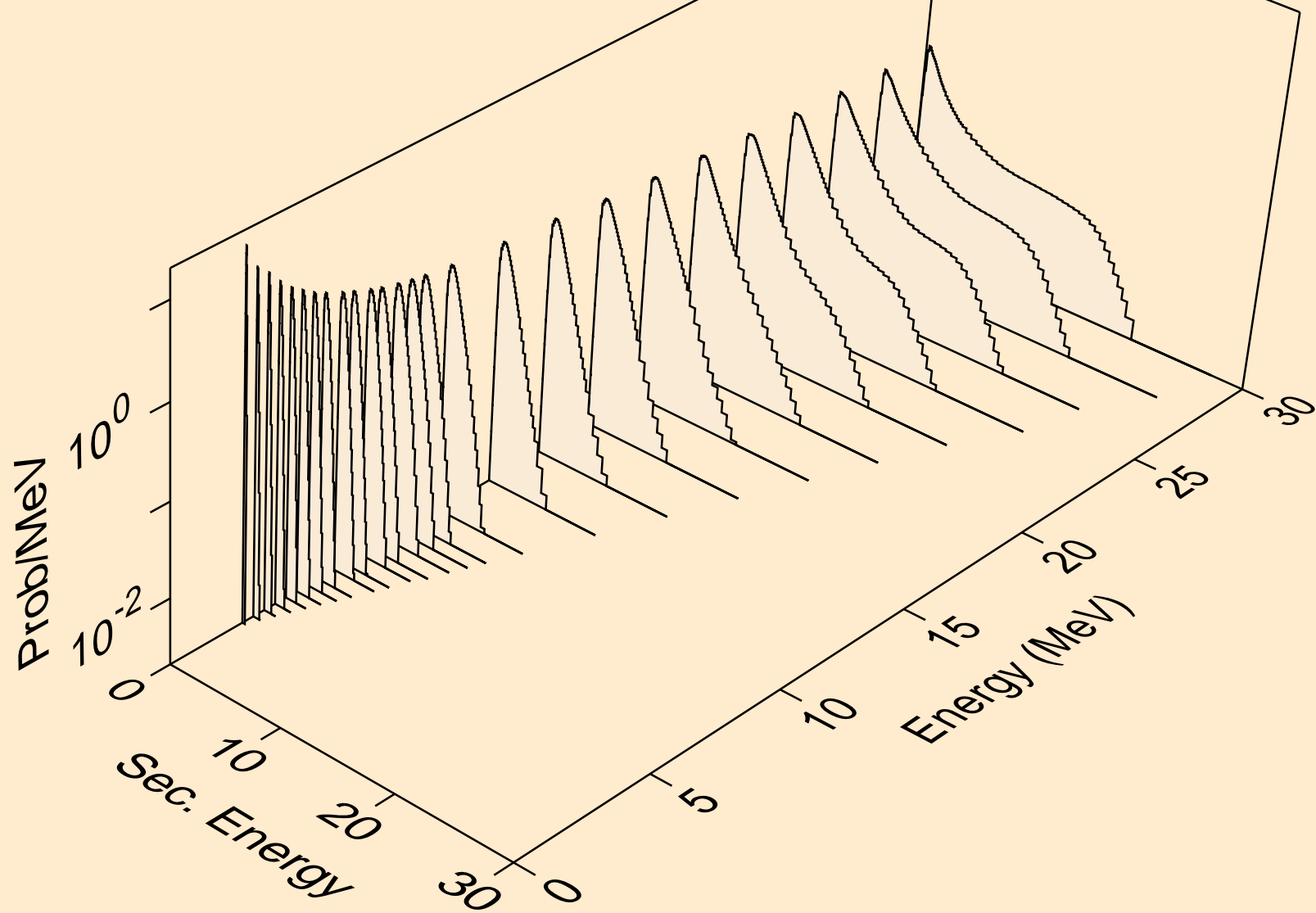
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



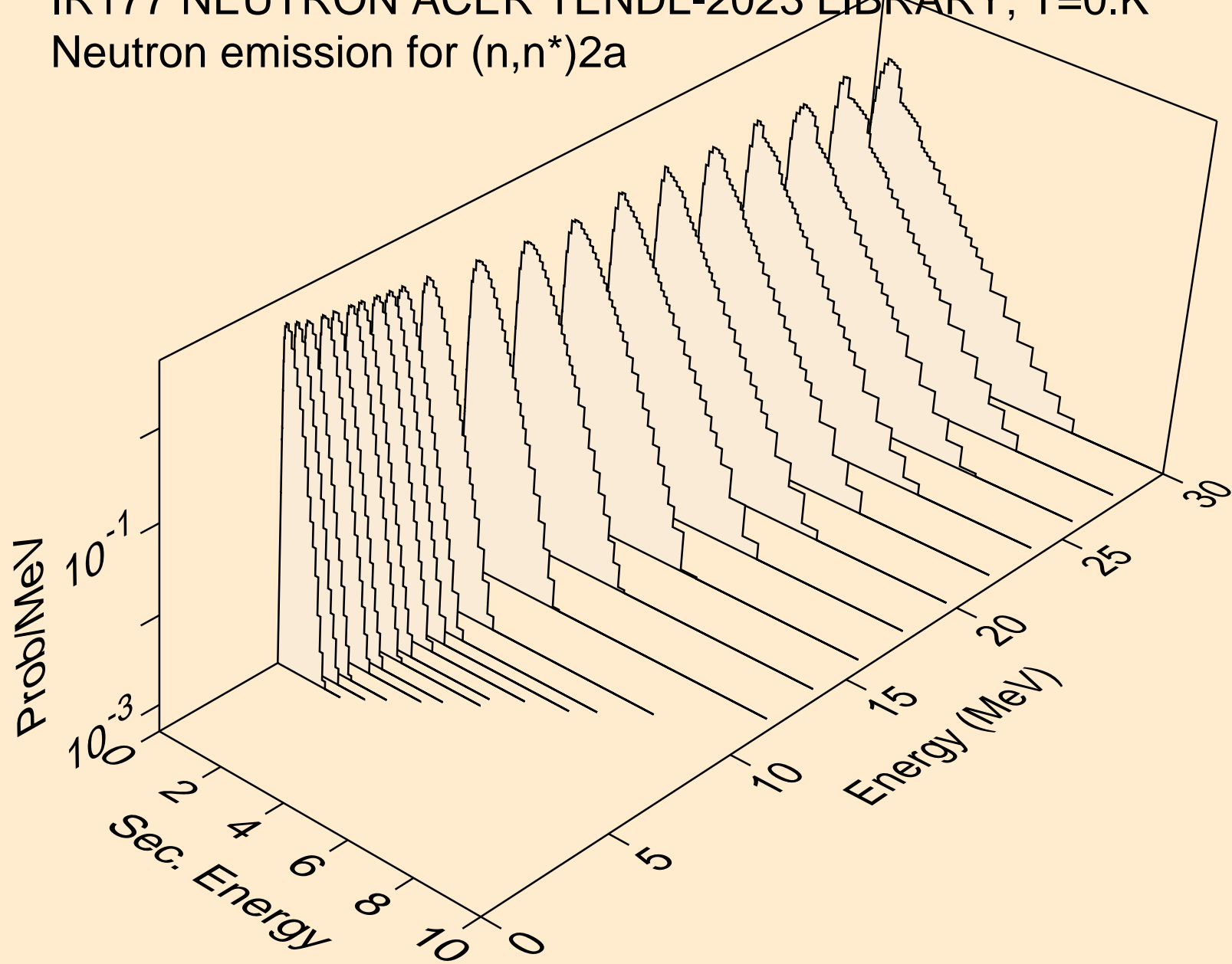
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



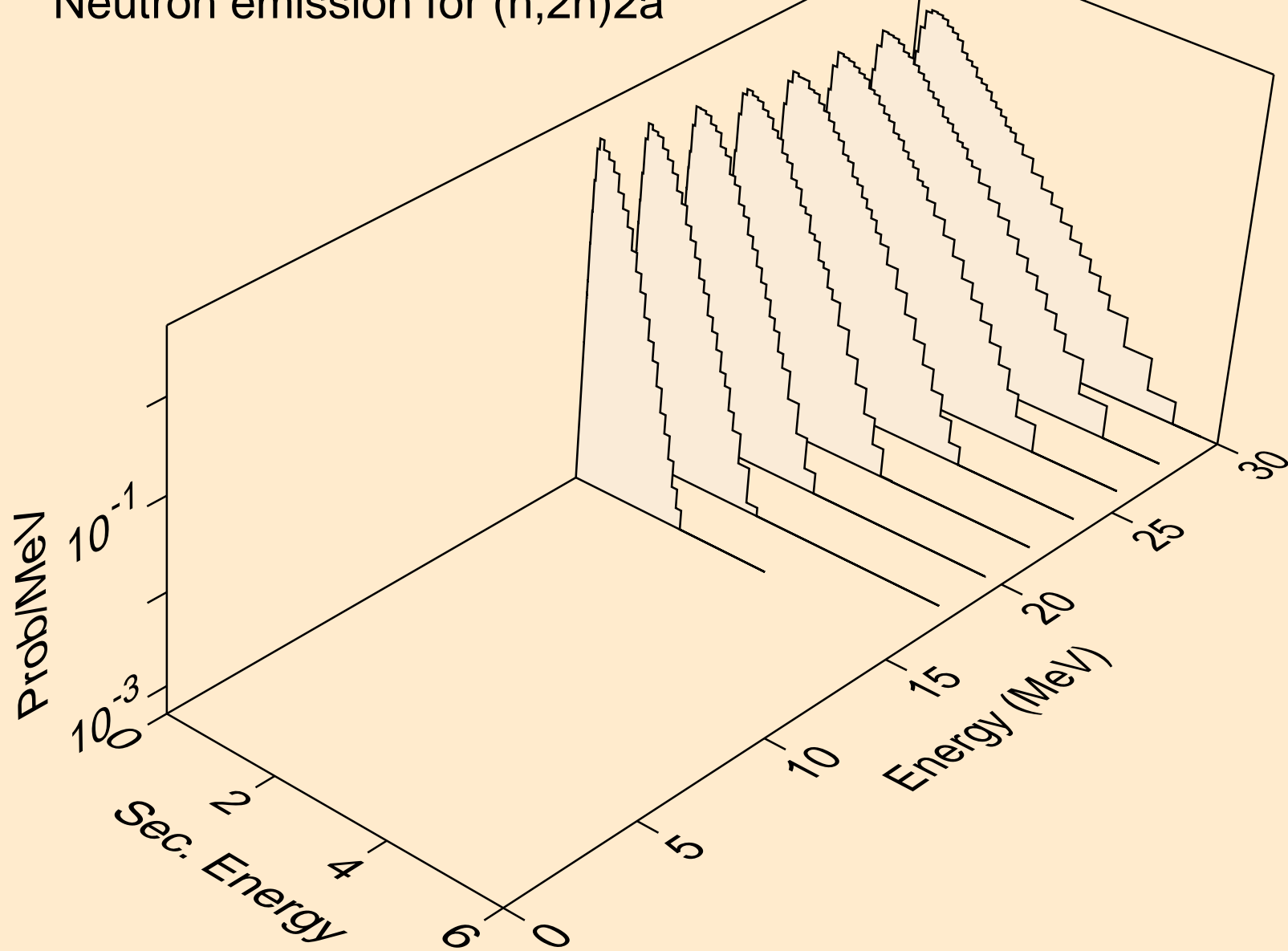
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



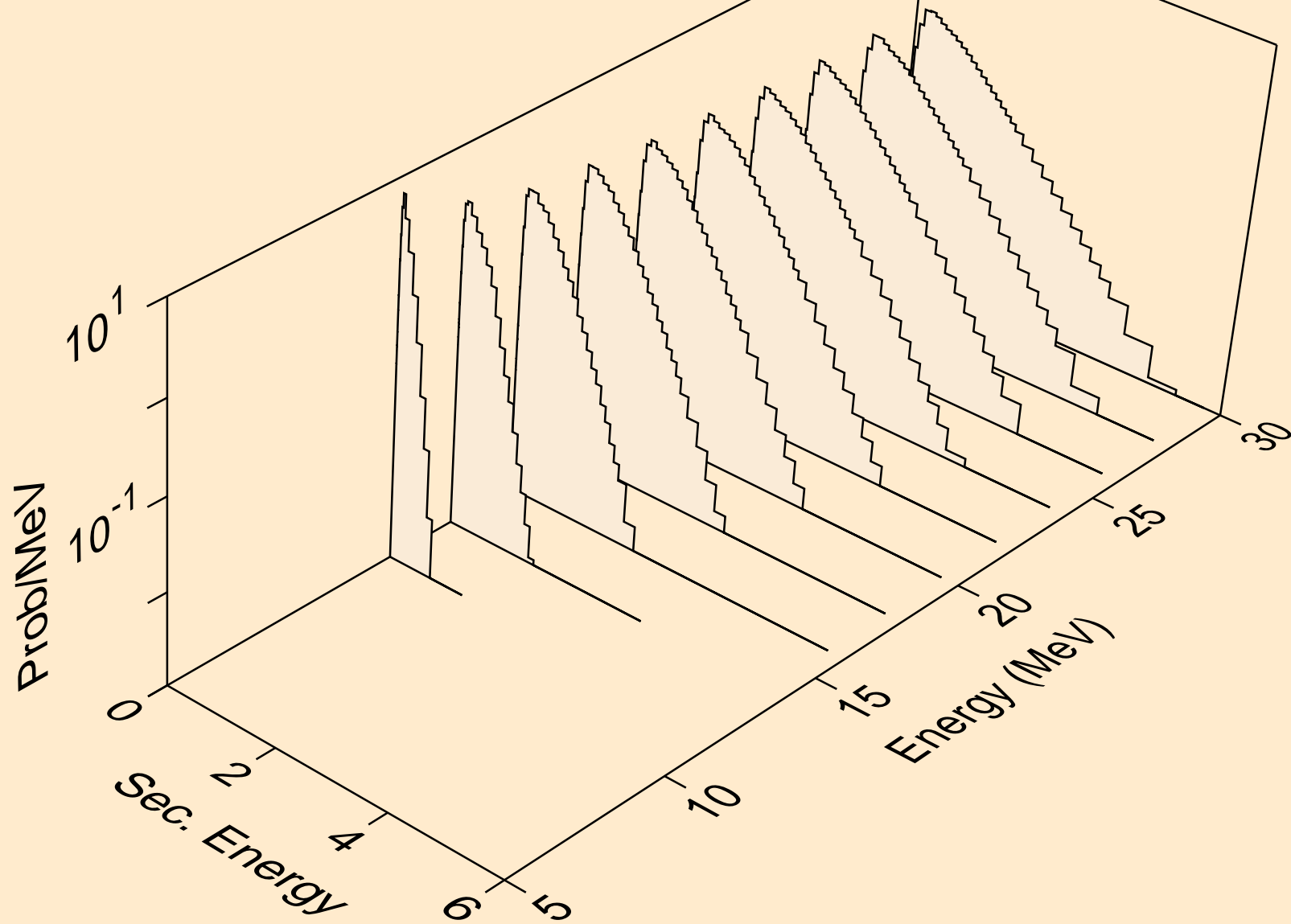
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



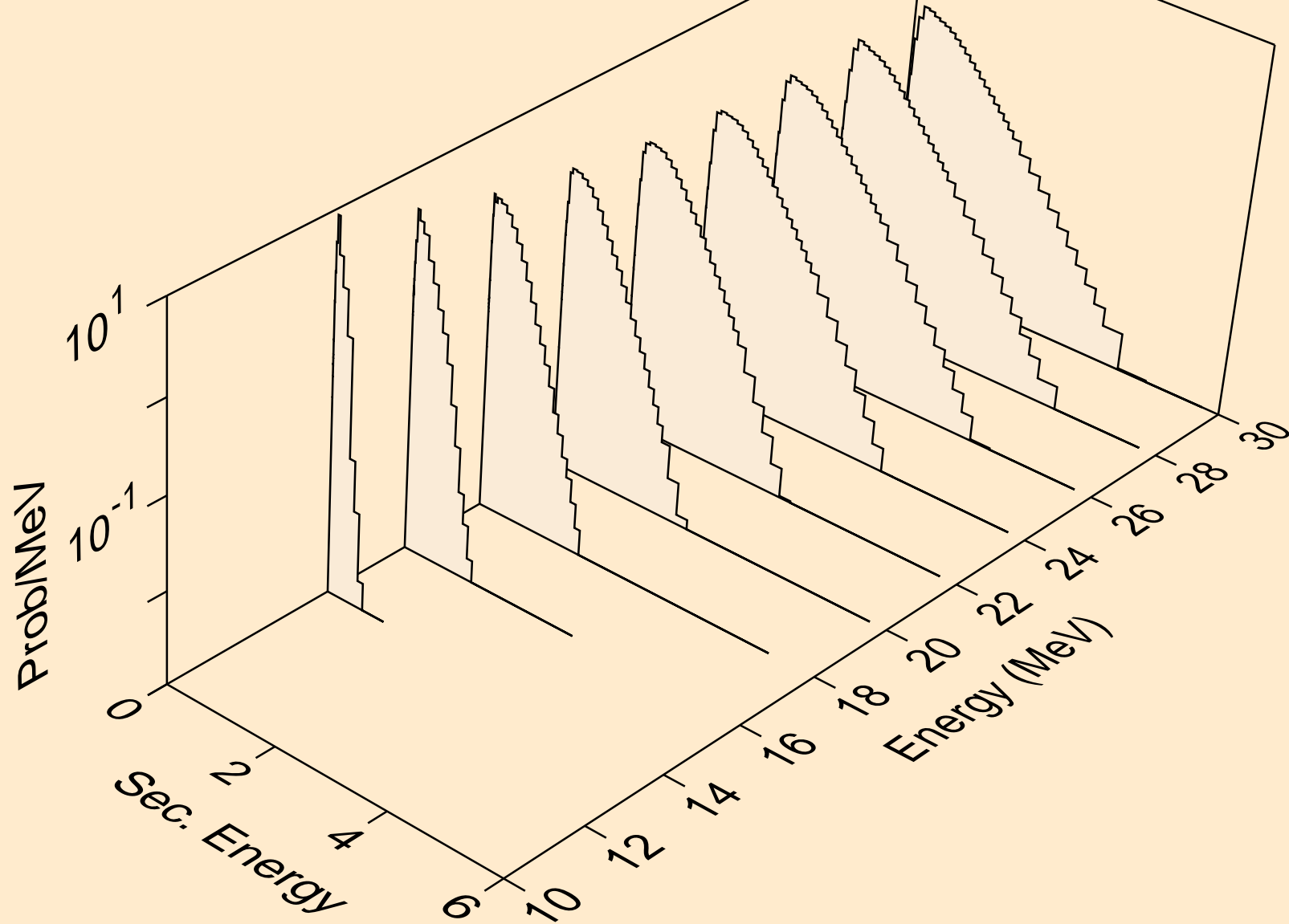
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Neutron emission for (n,2n)2a



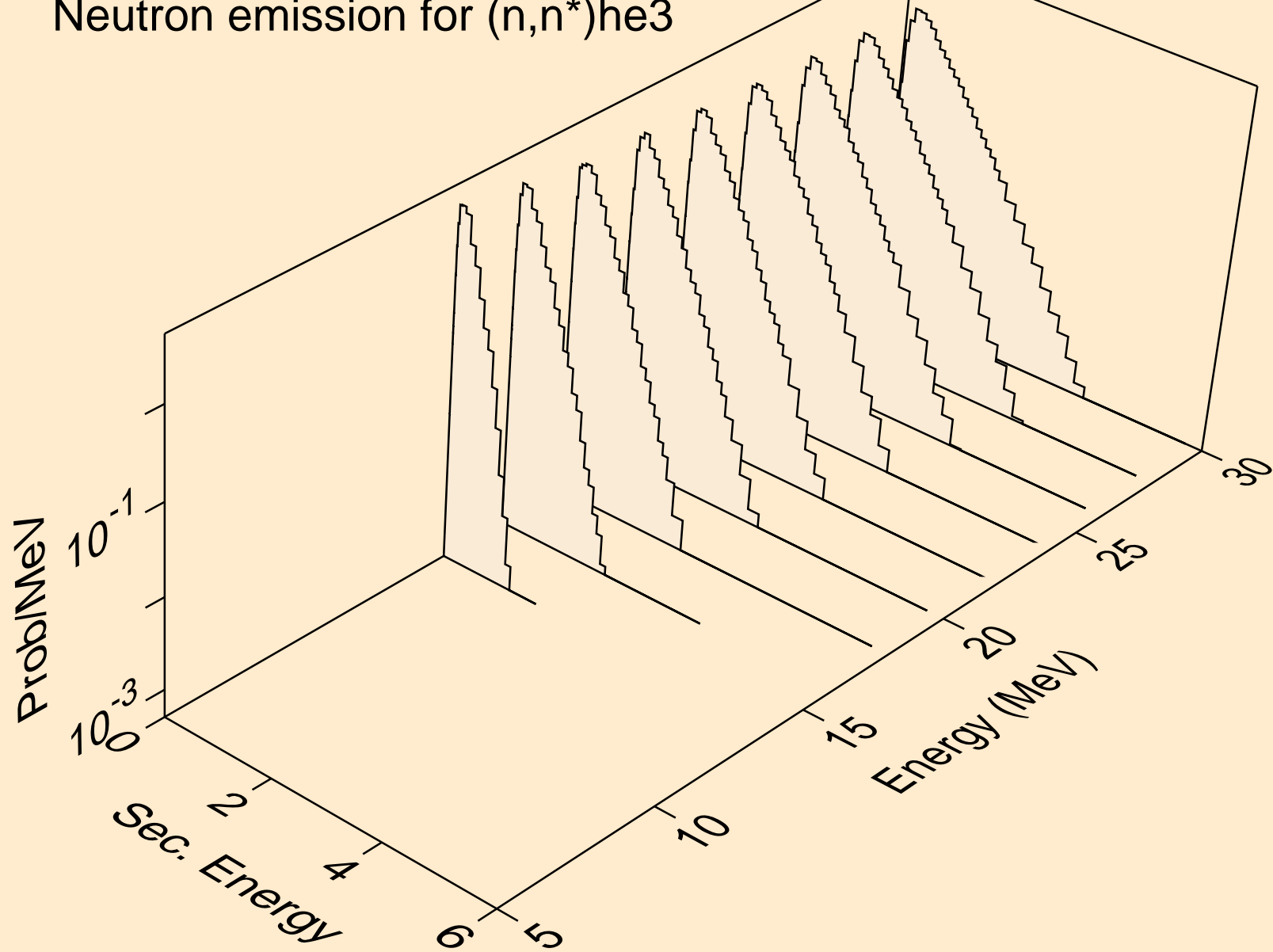
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



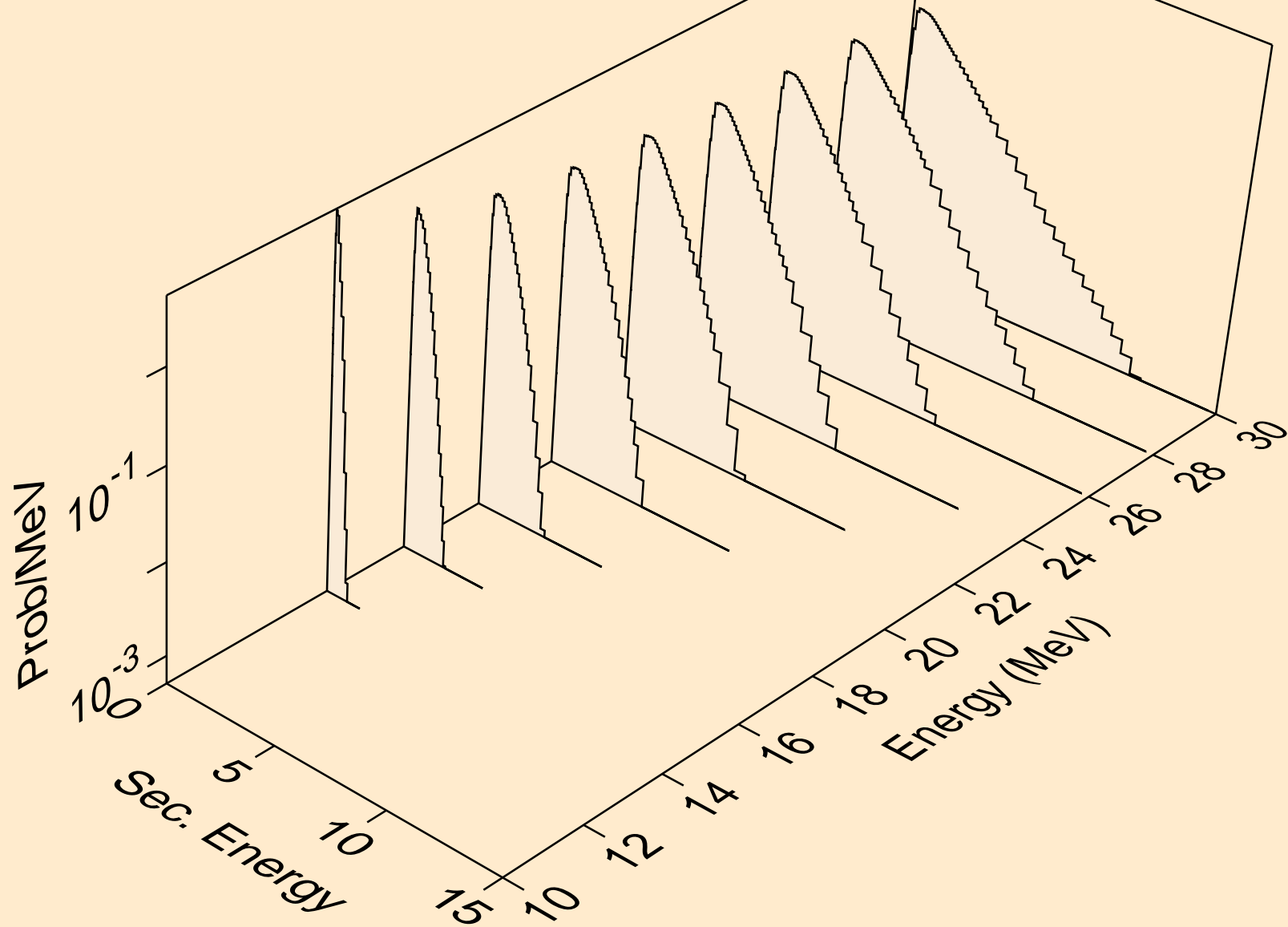
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



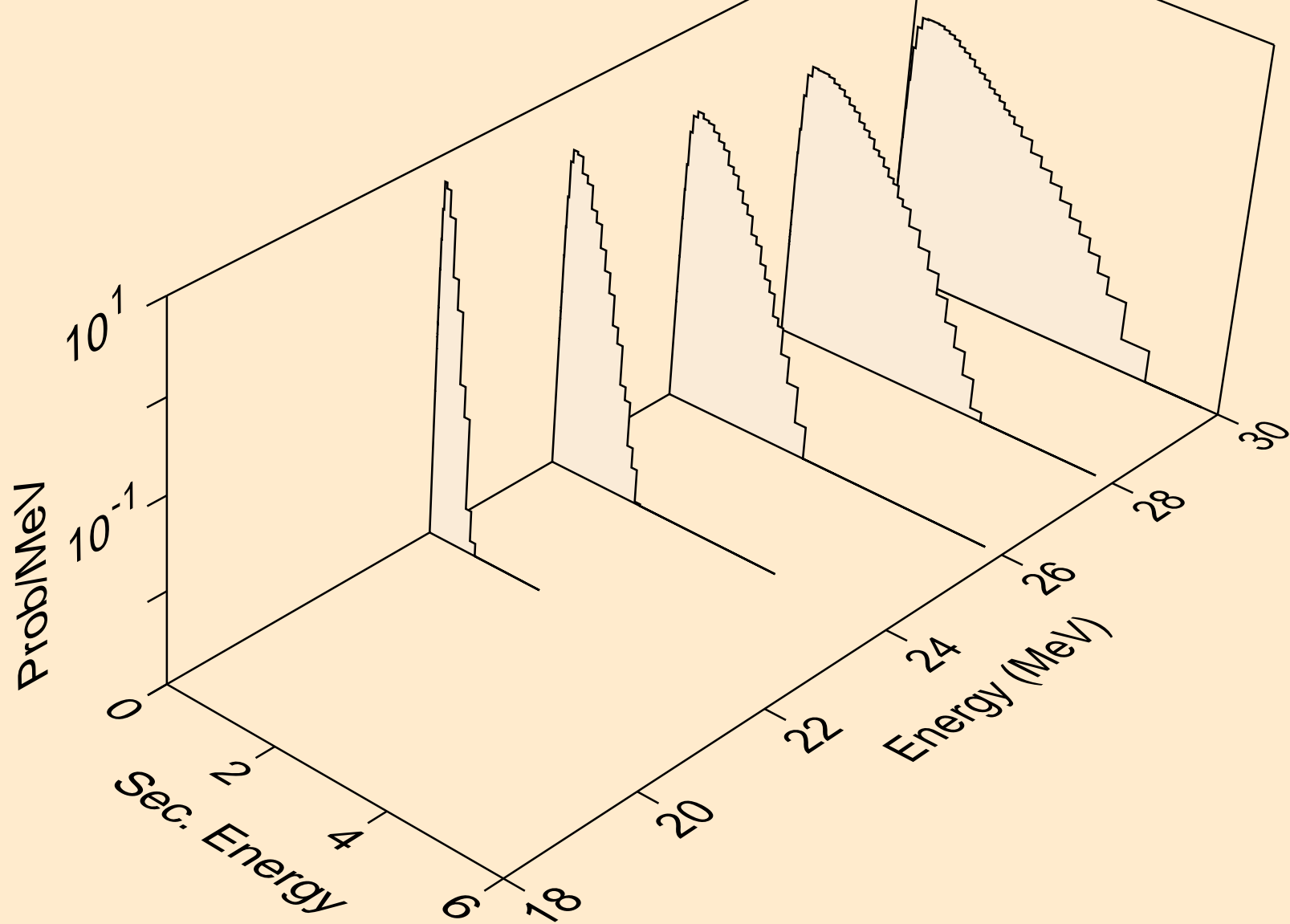
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



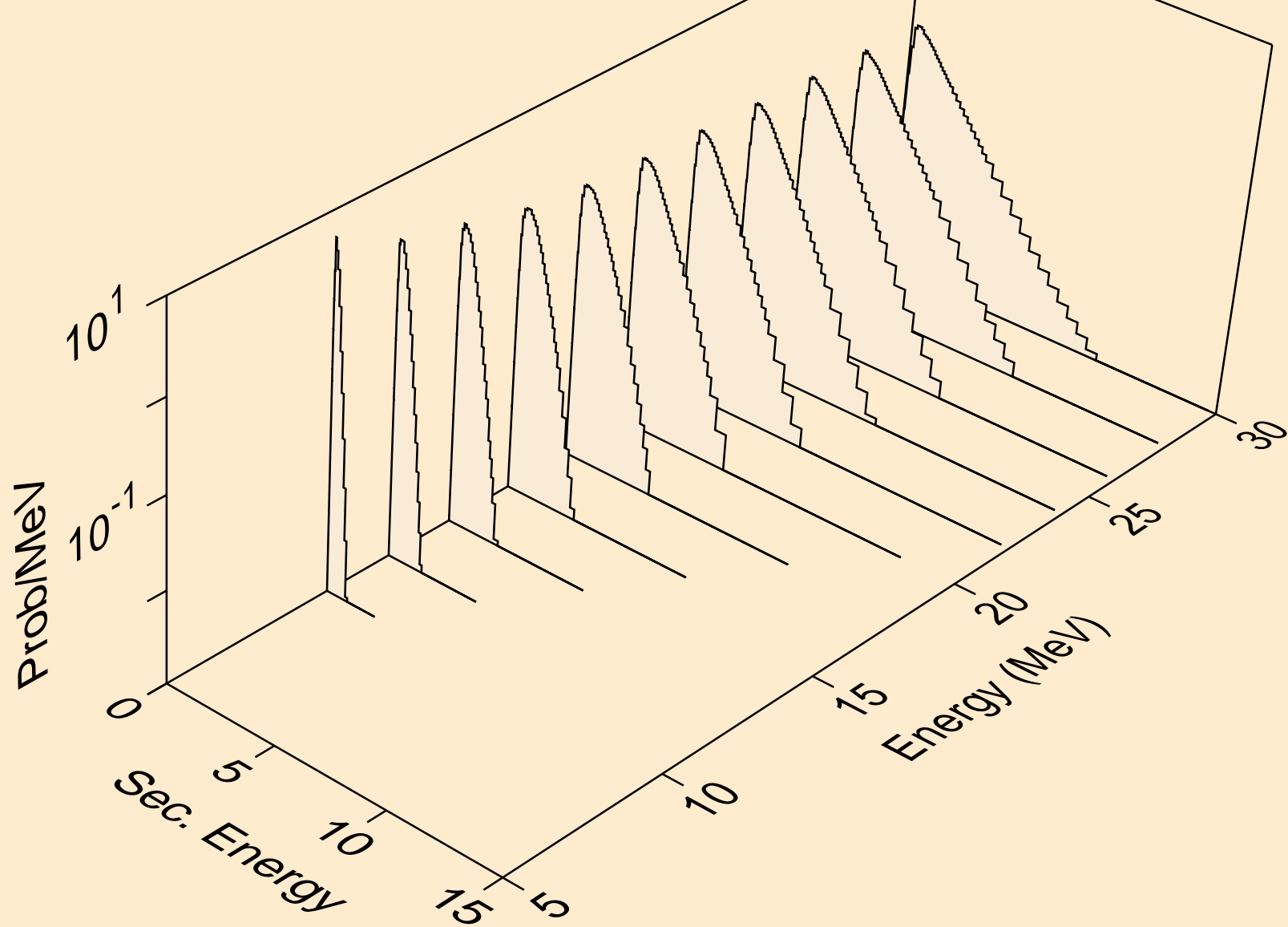
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



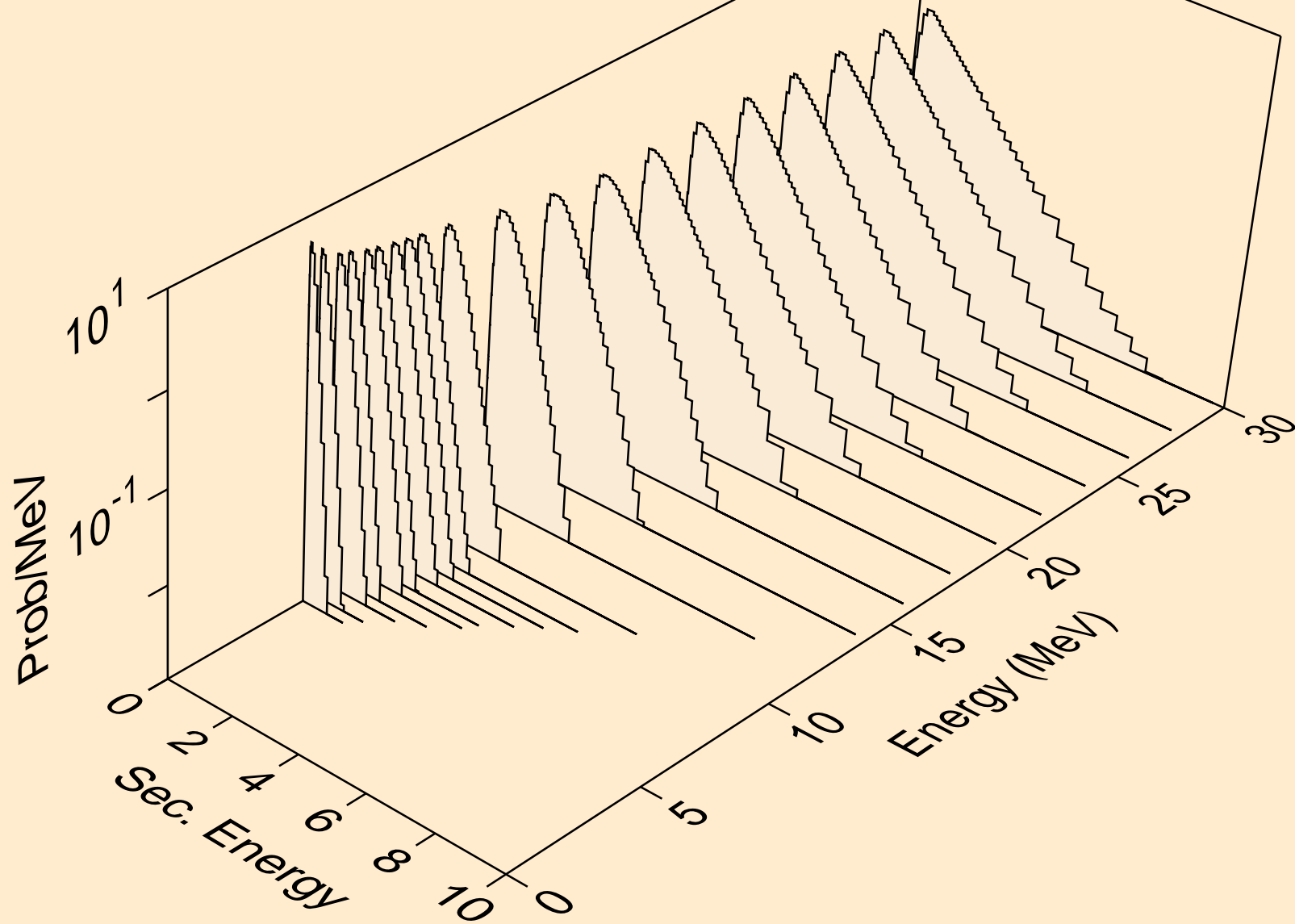
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



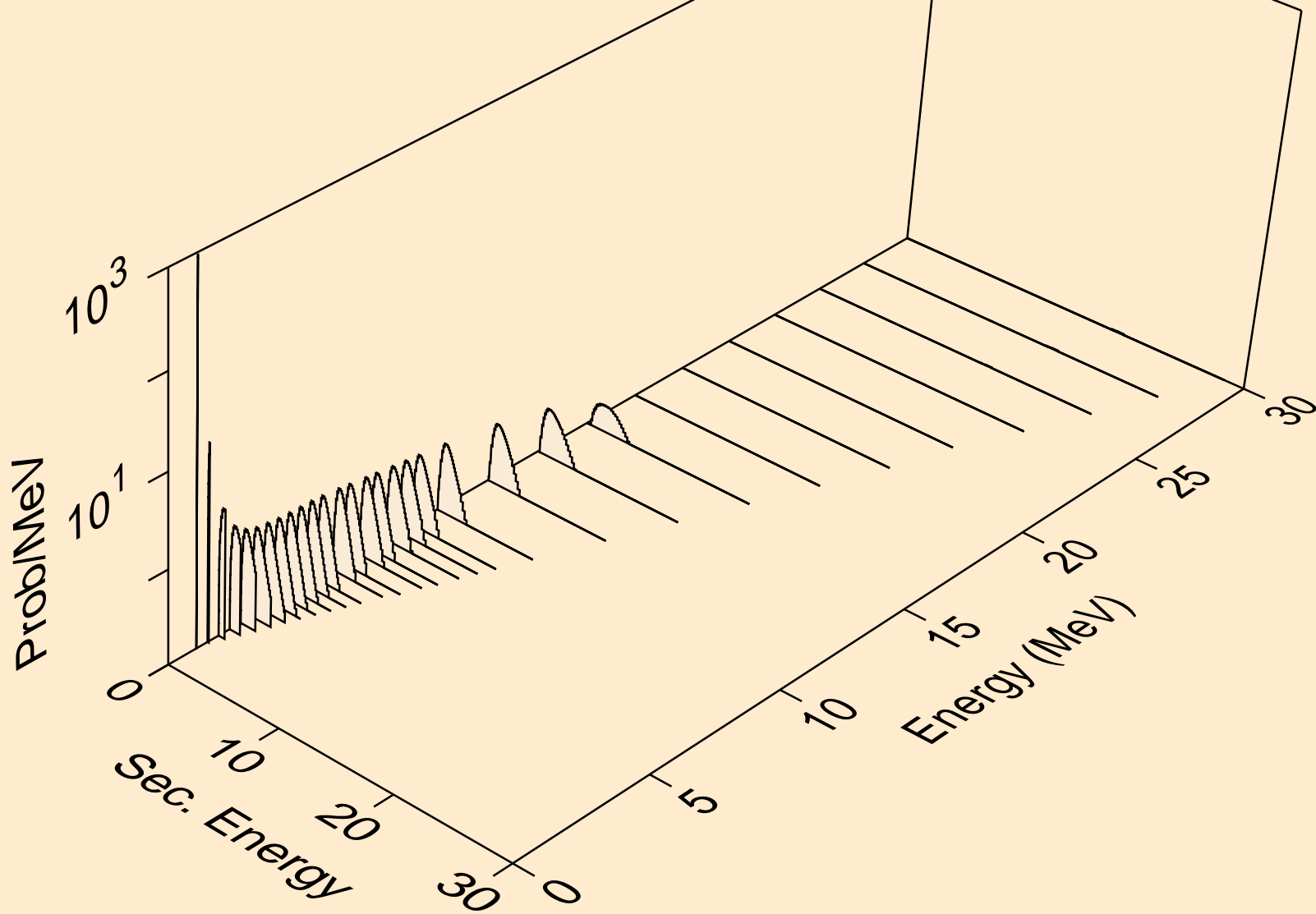
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



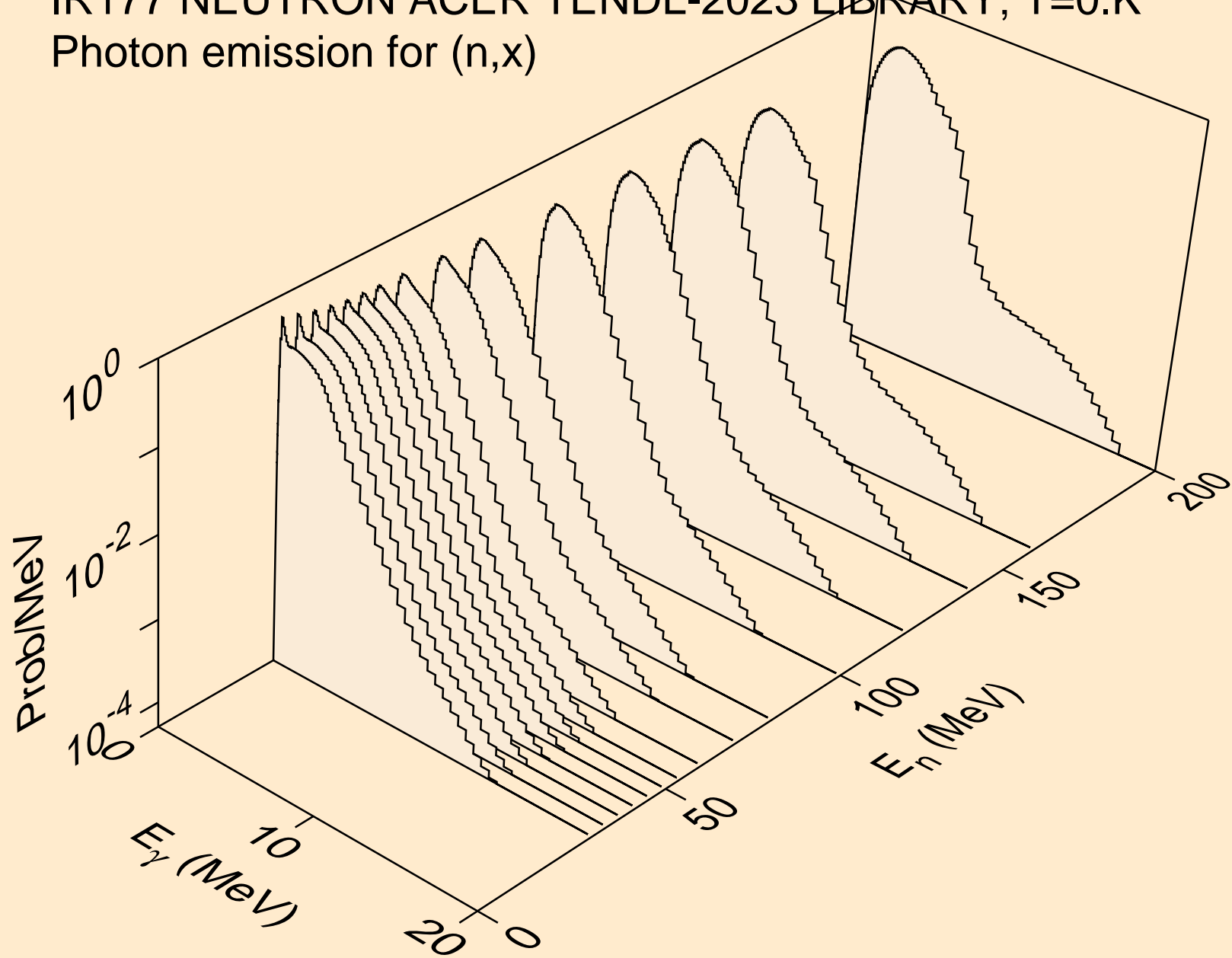
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



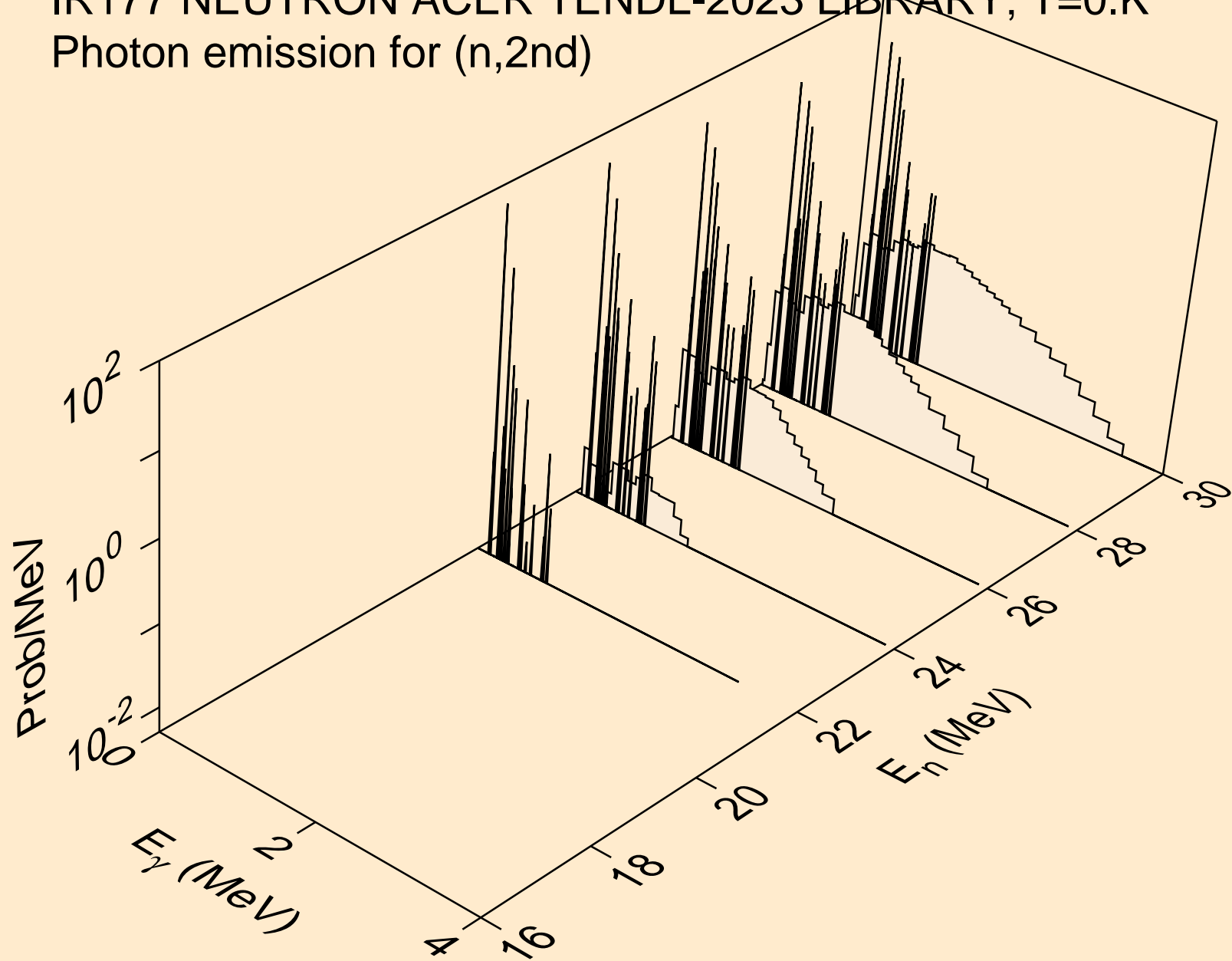
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



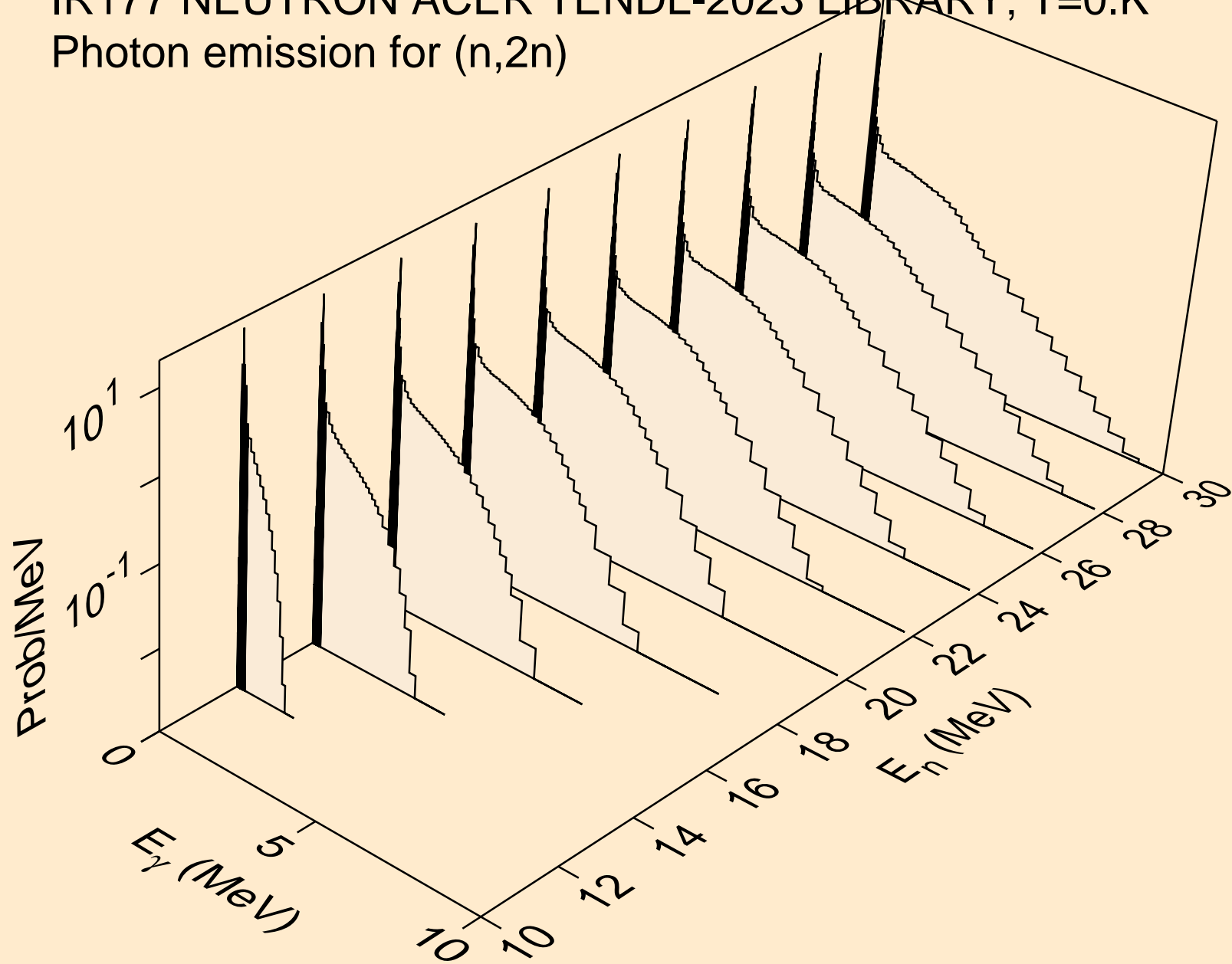
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



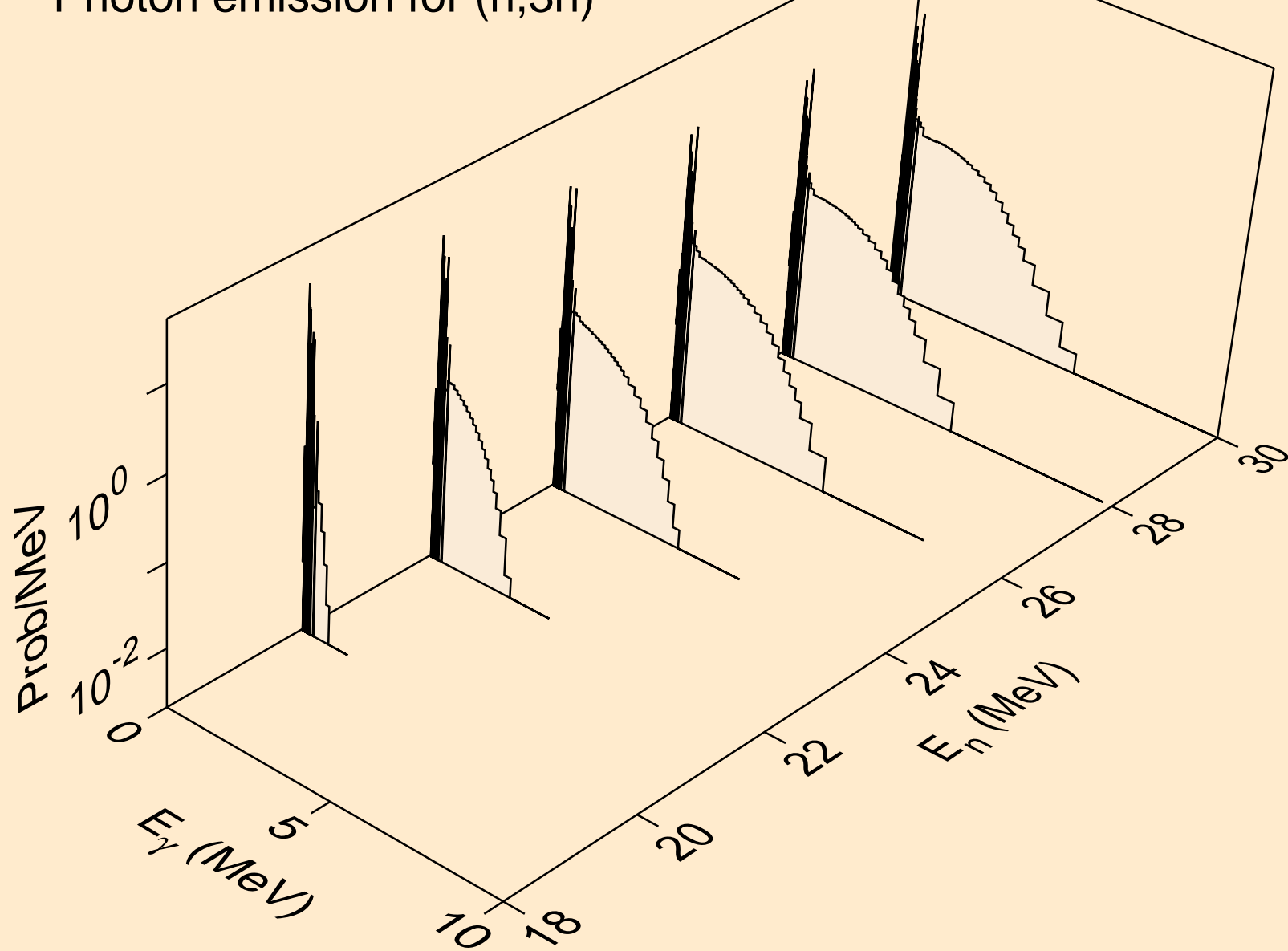
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



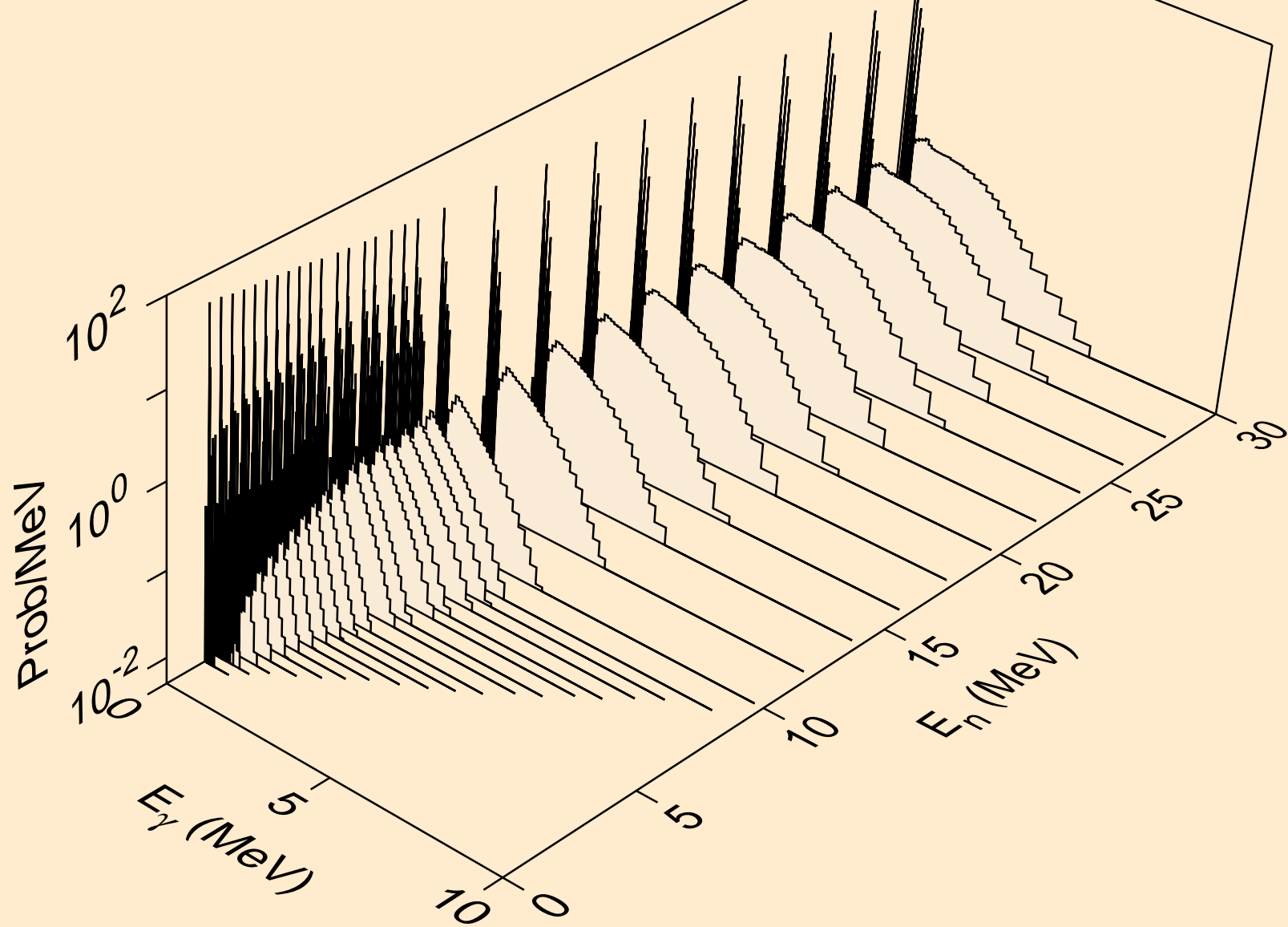
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Photon emission for (n,2n)



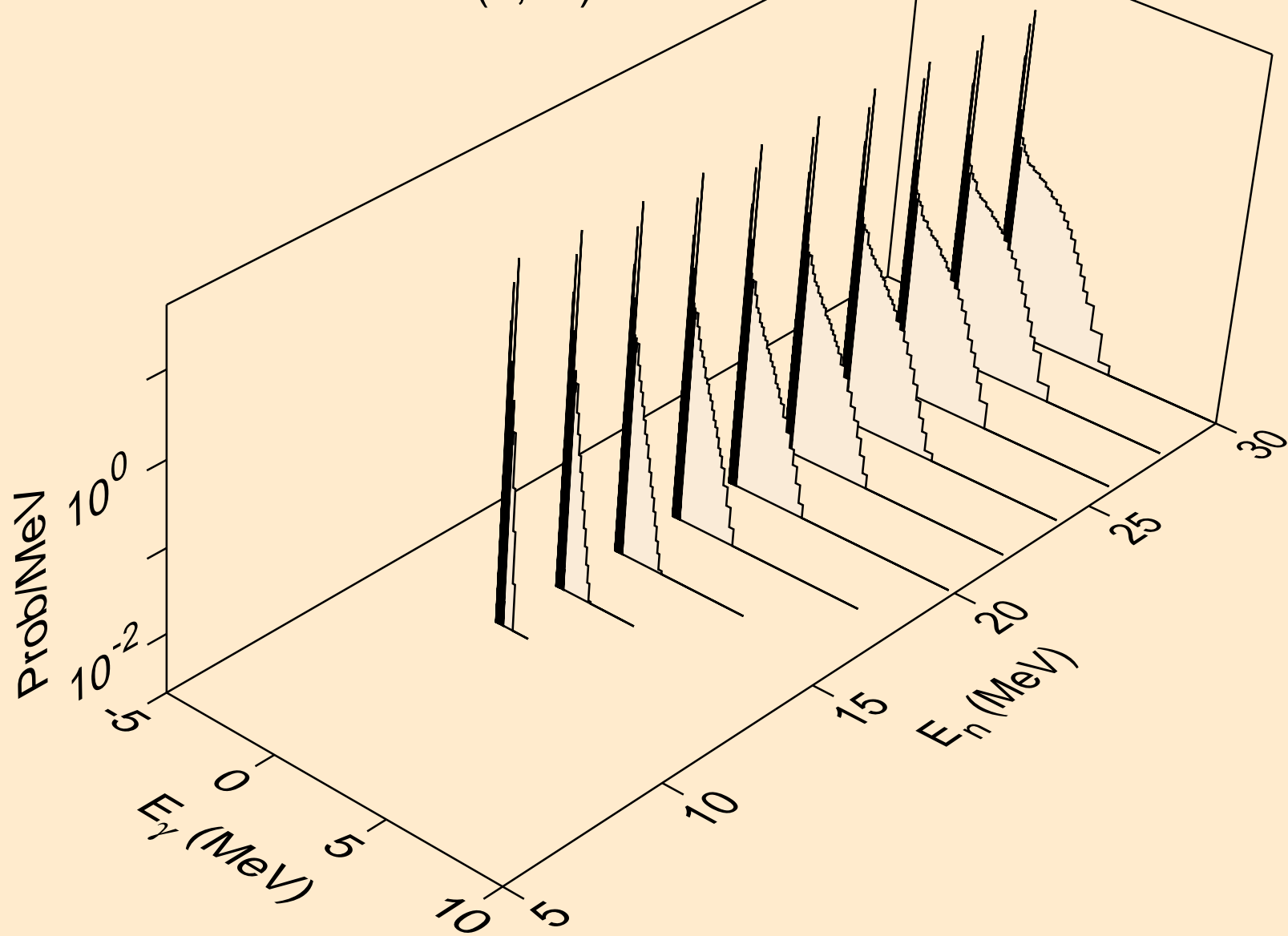
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



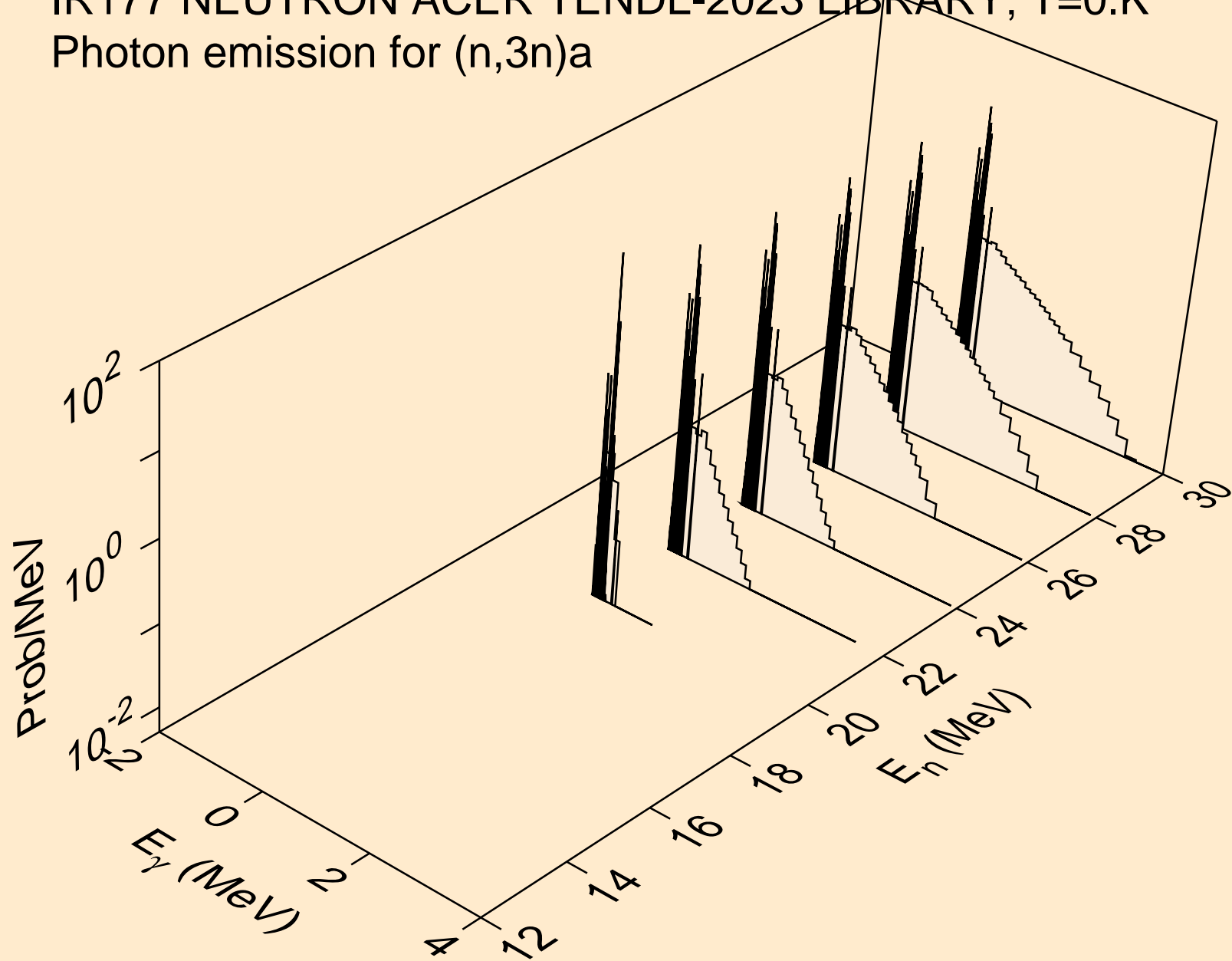
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



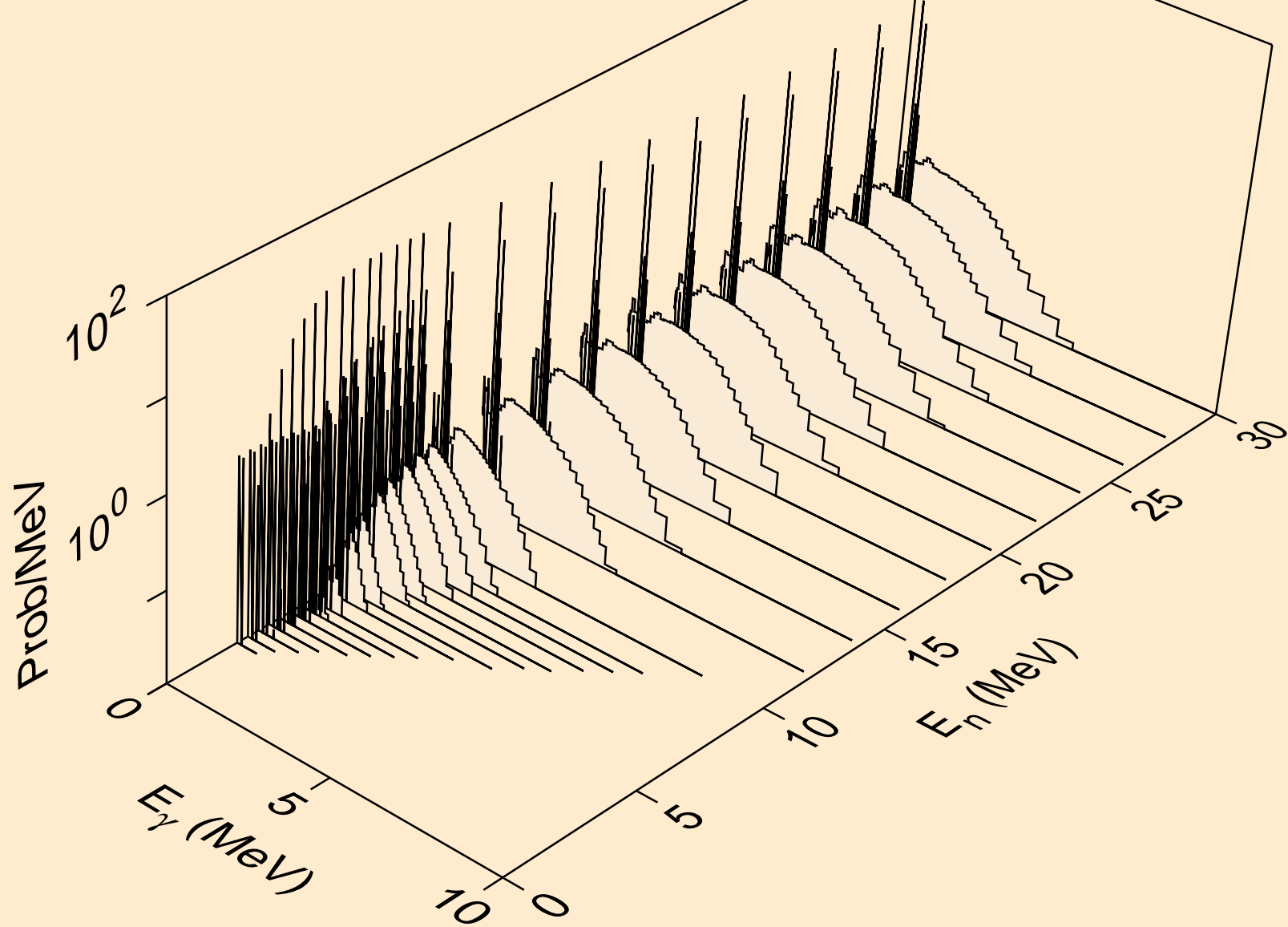
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



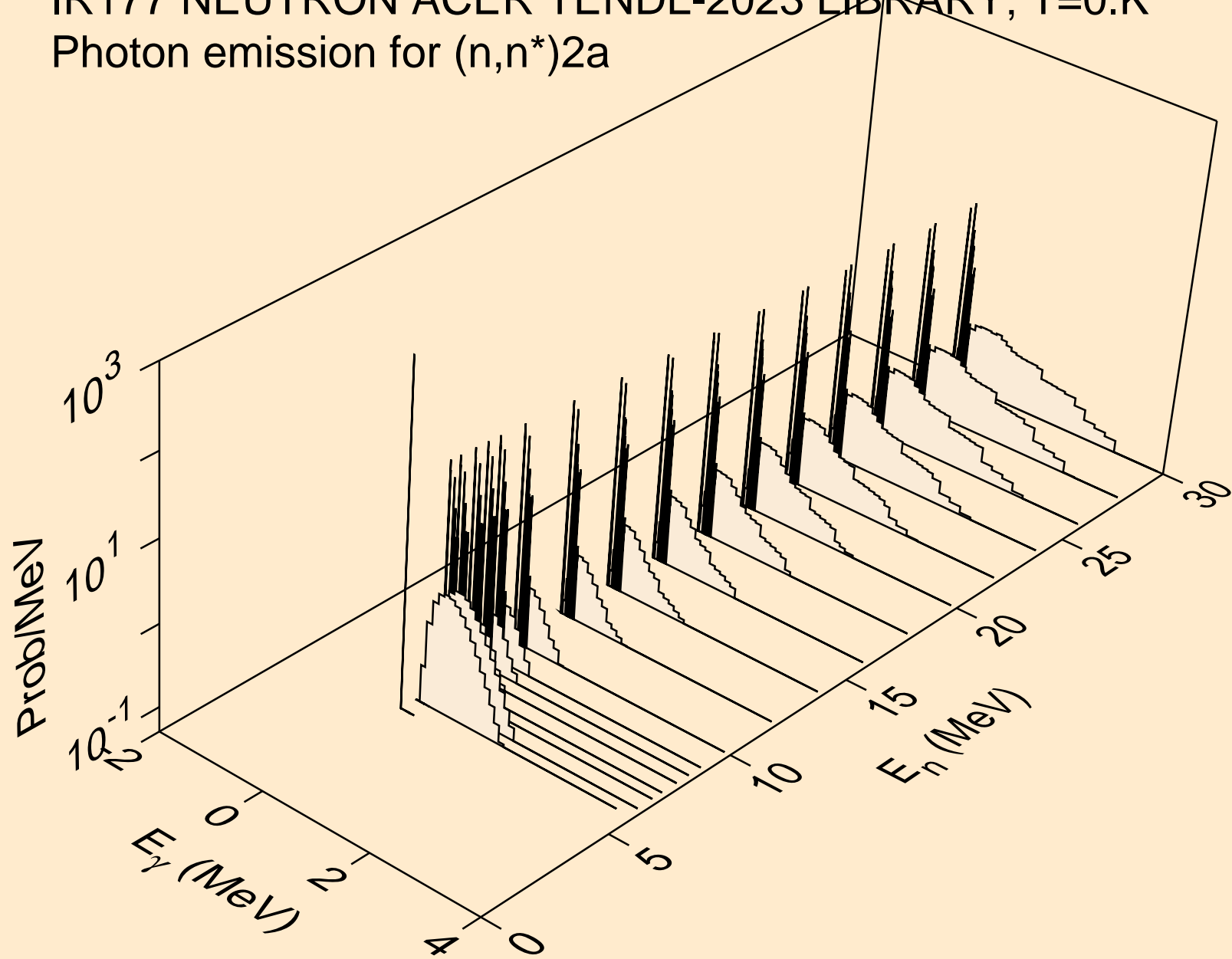
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



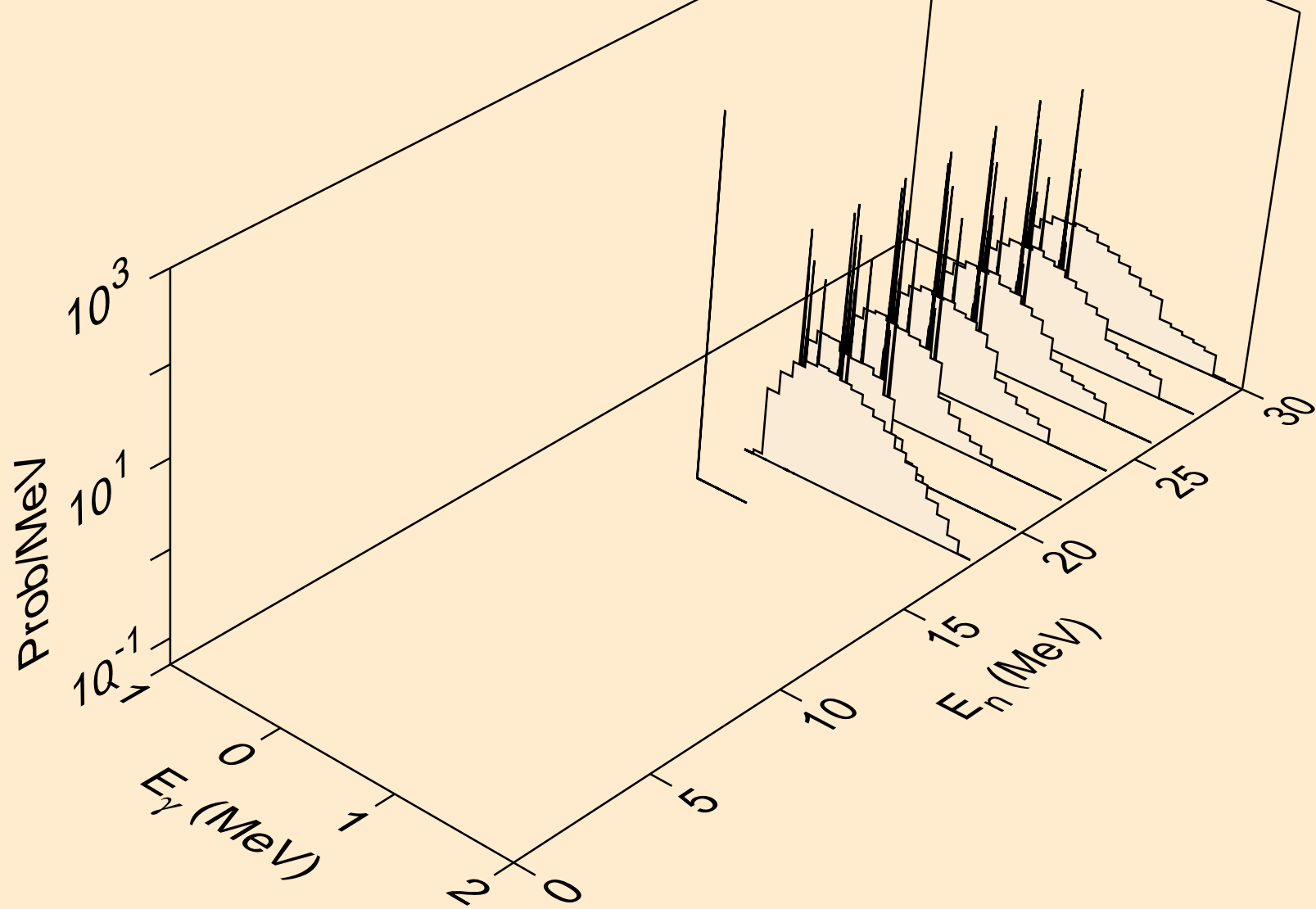
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



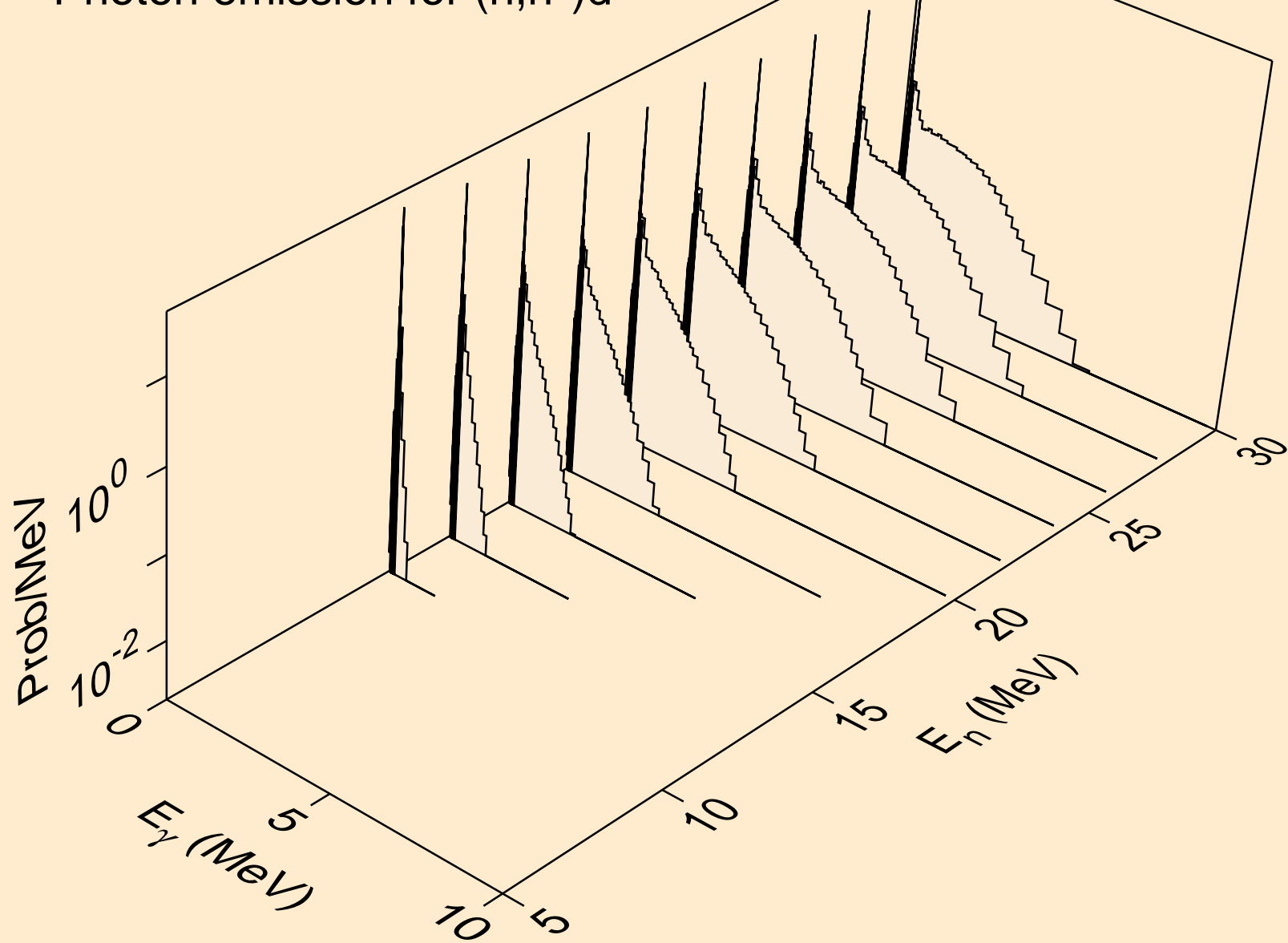
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



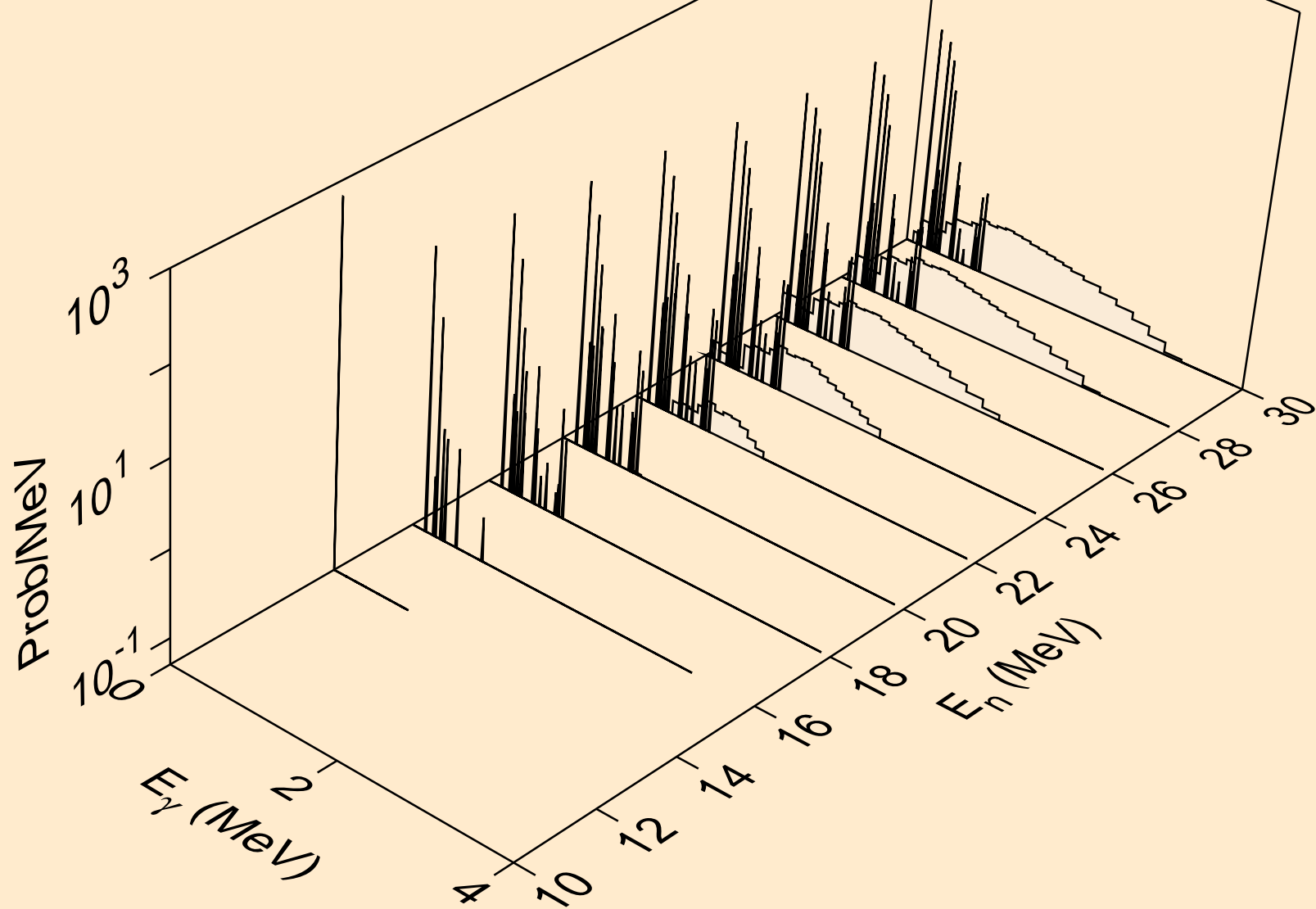
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)2a



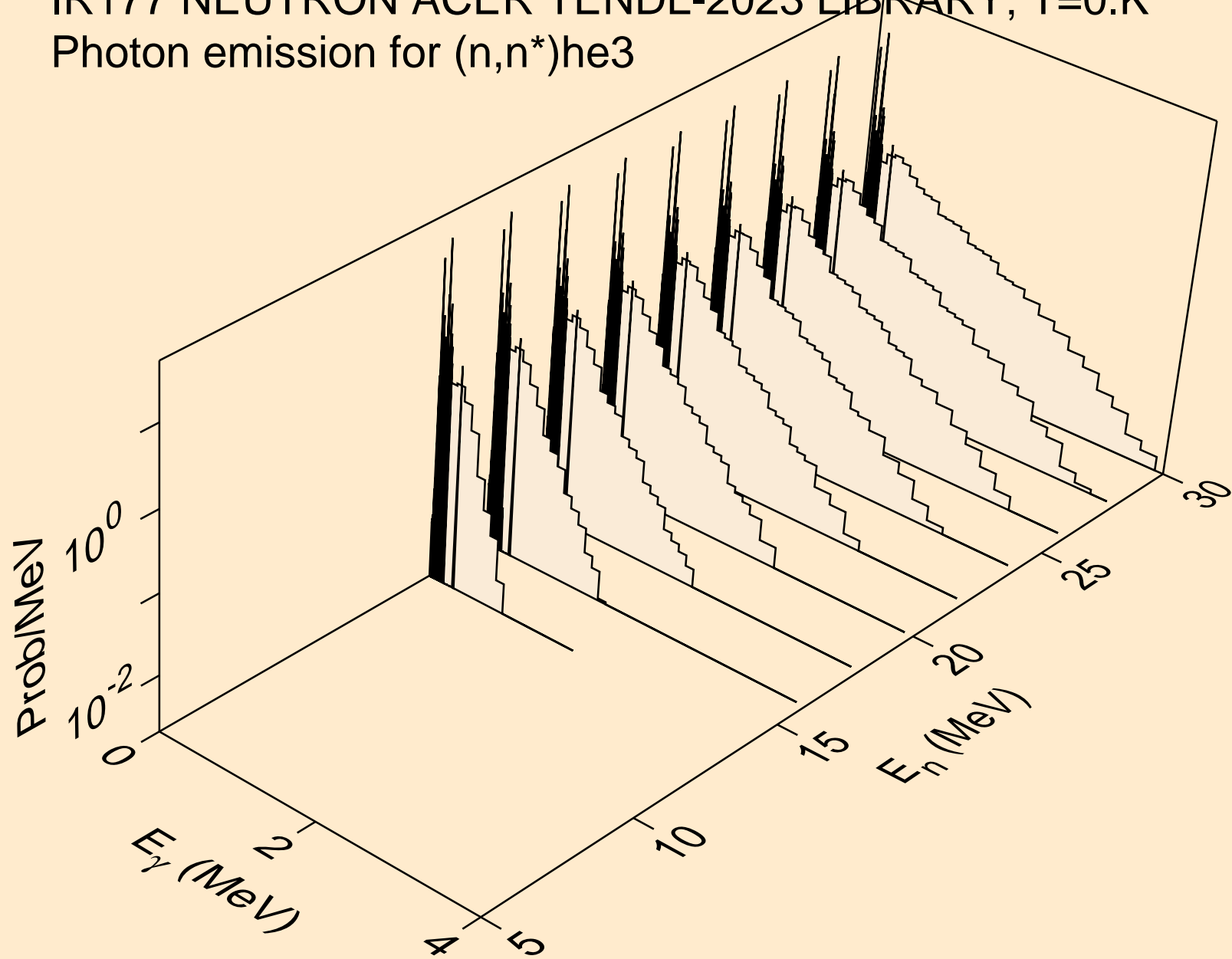
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



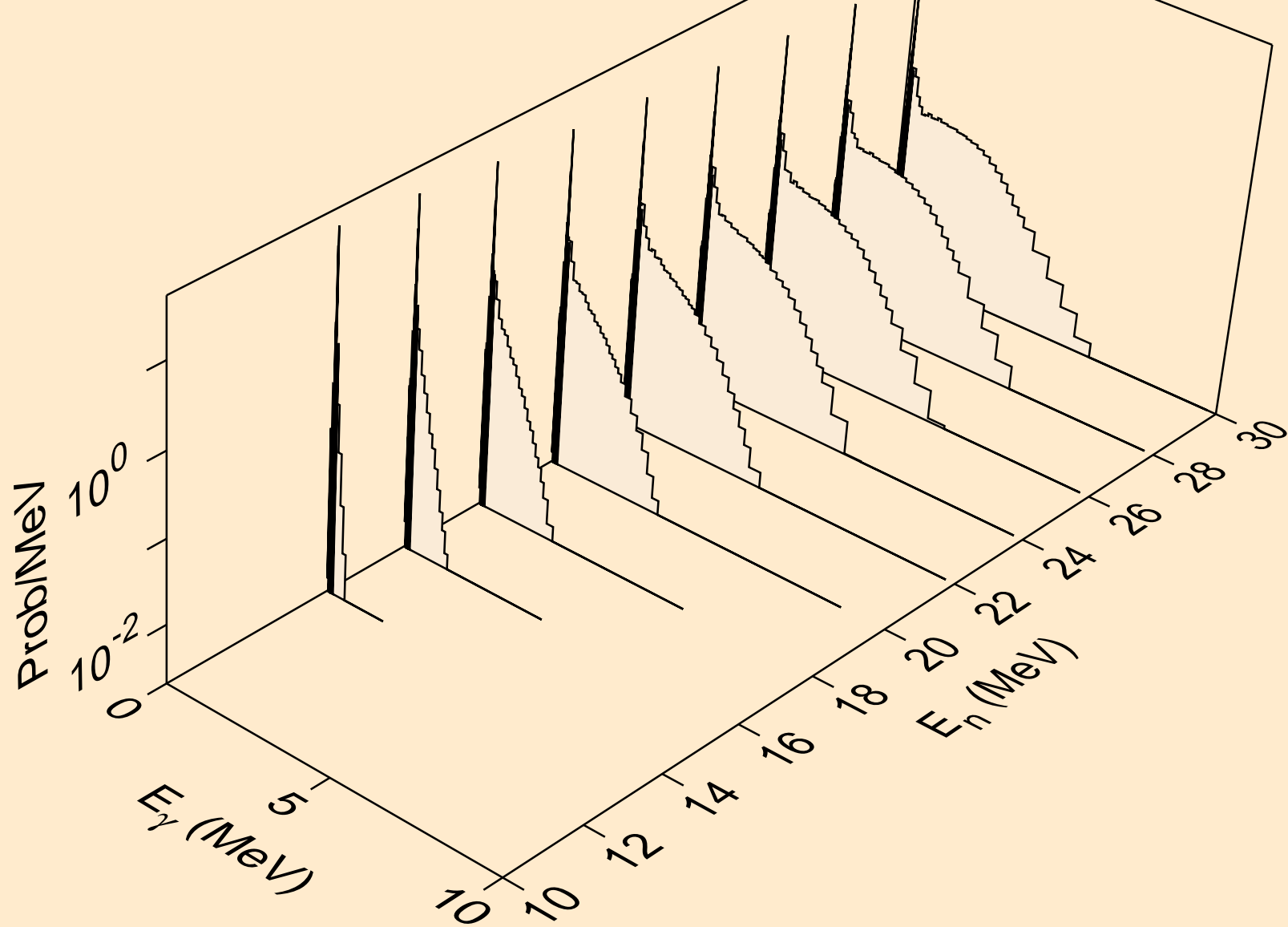
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



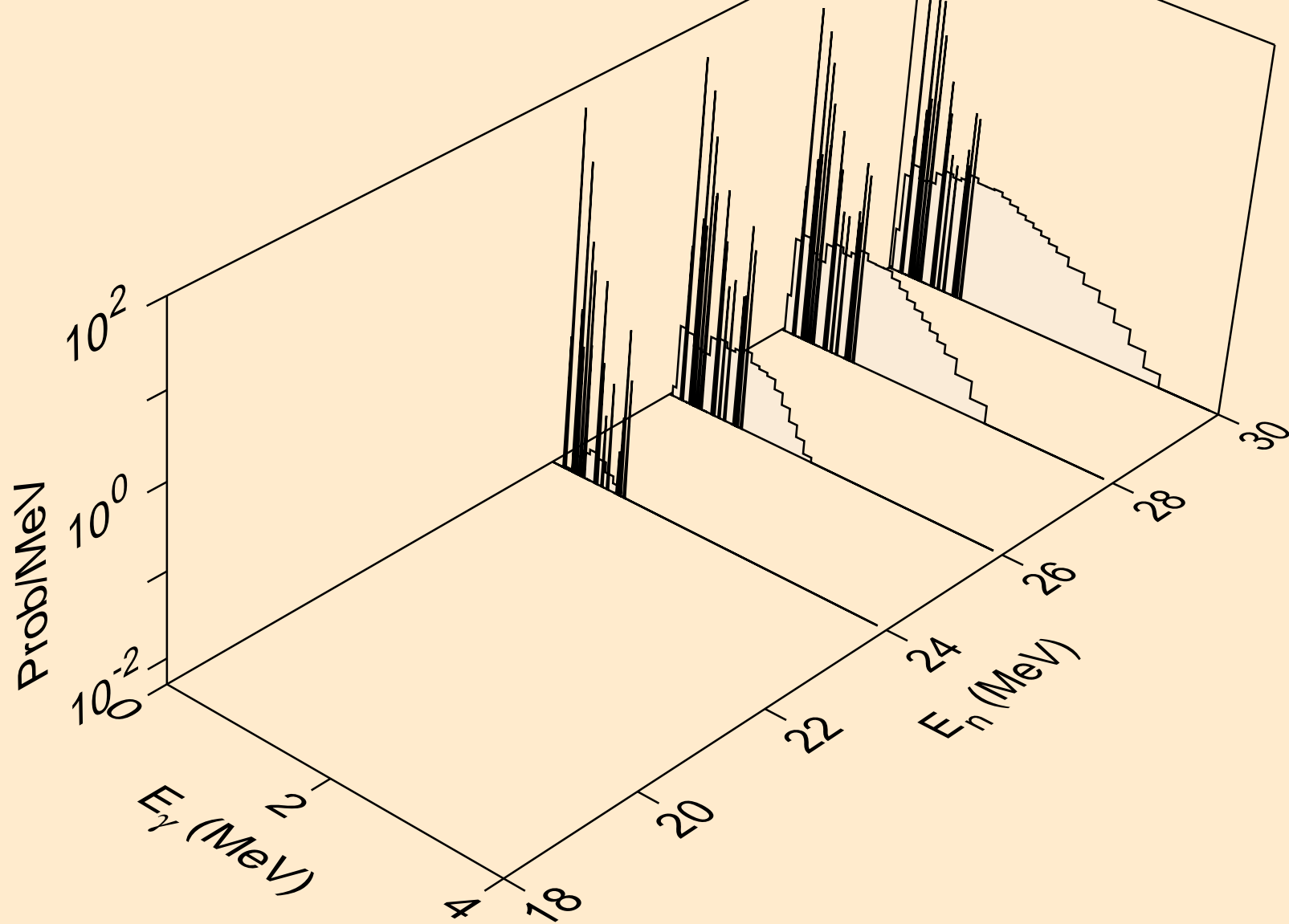
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



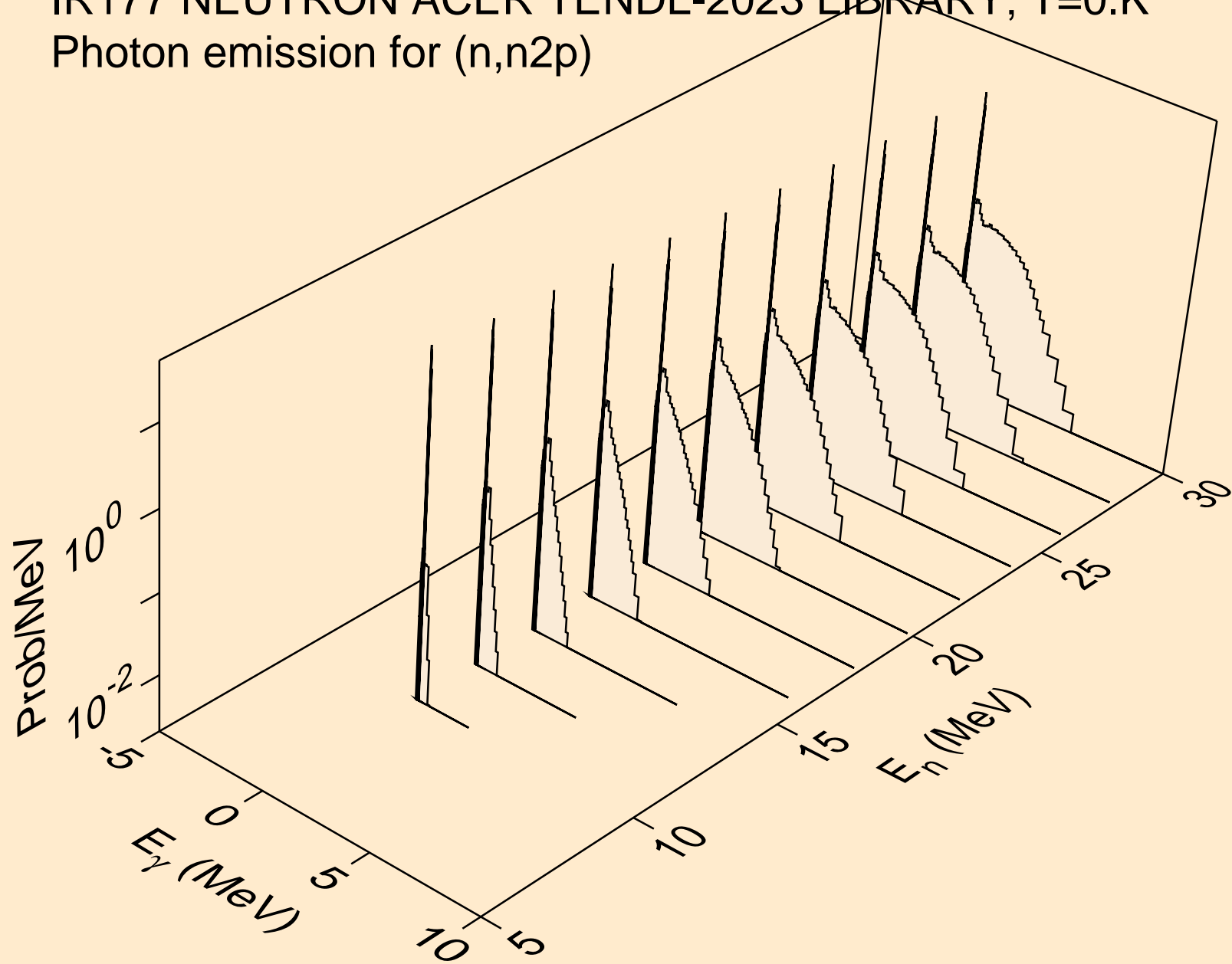
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



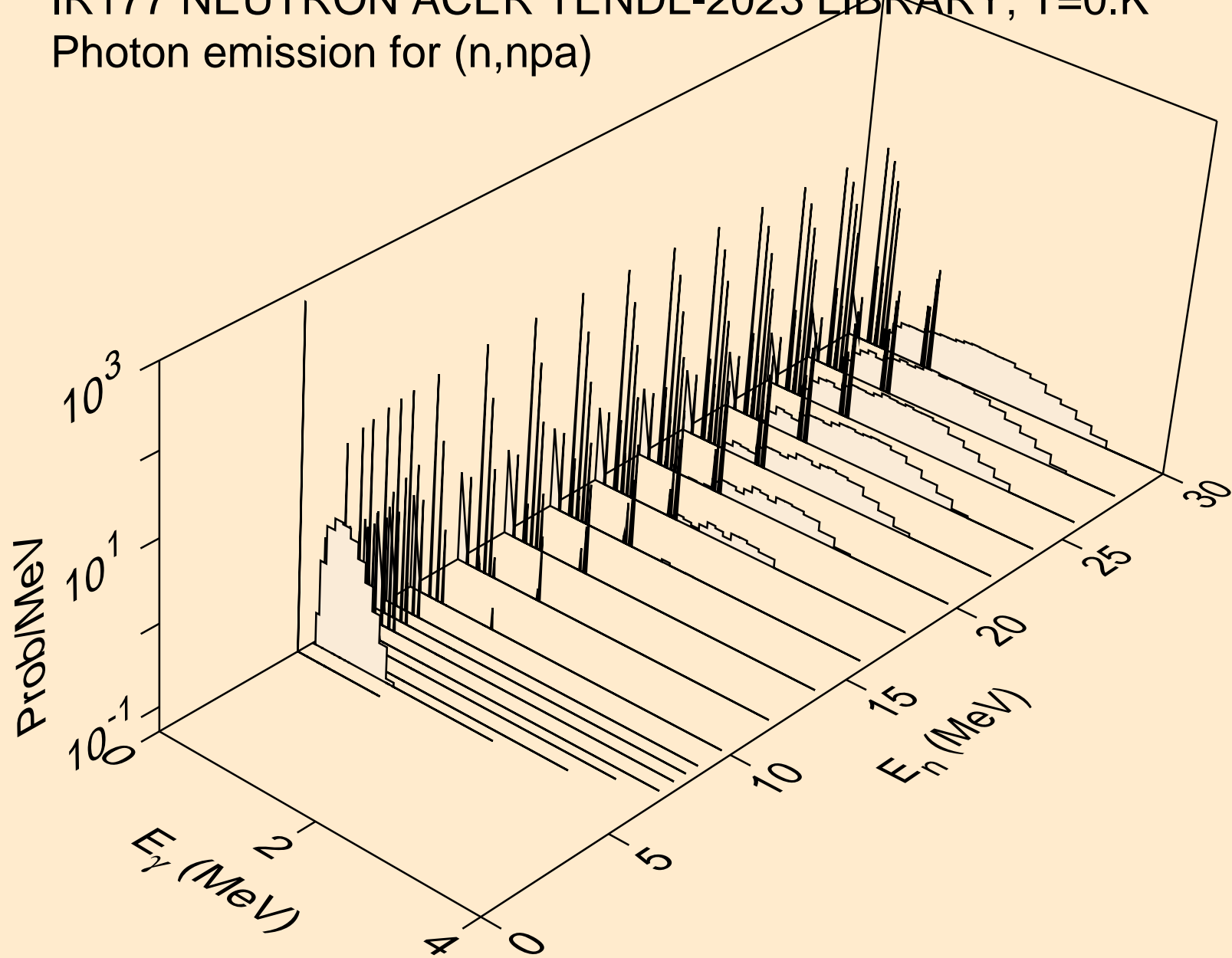
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



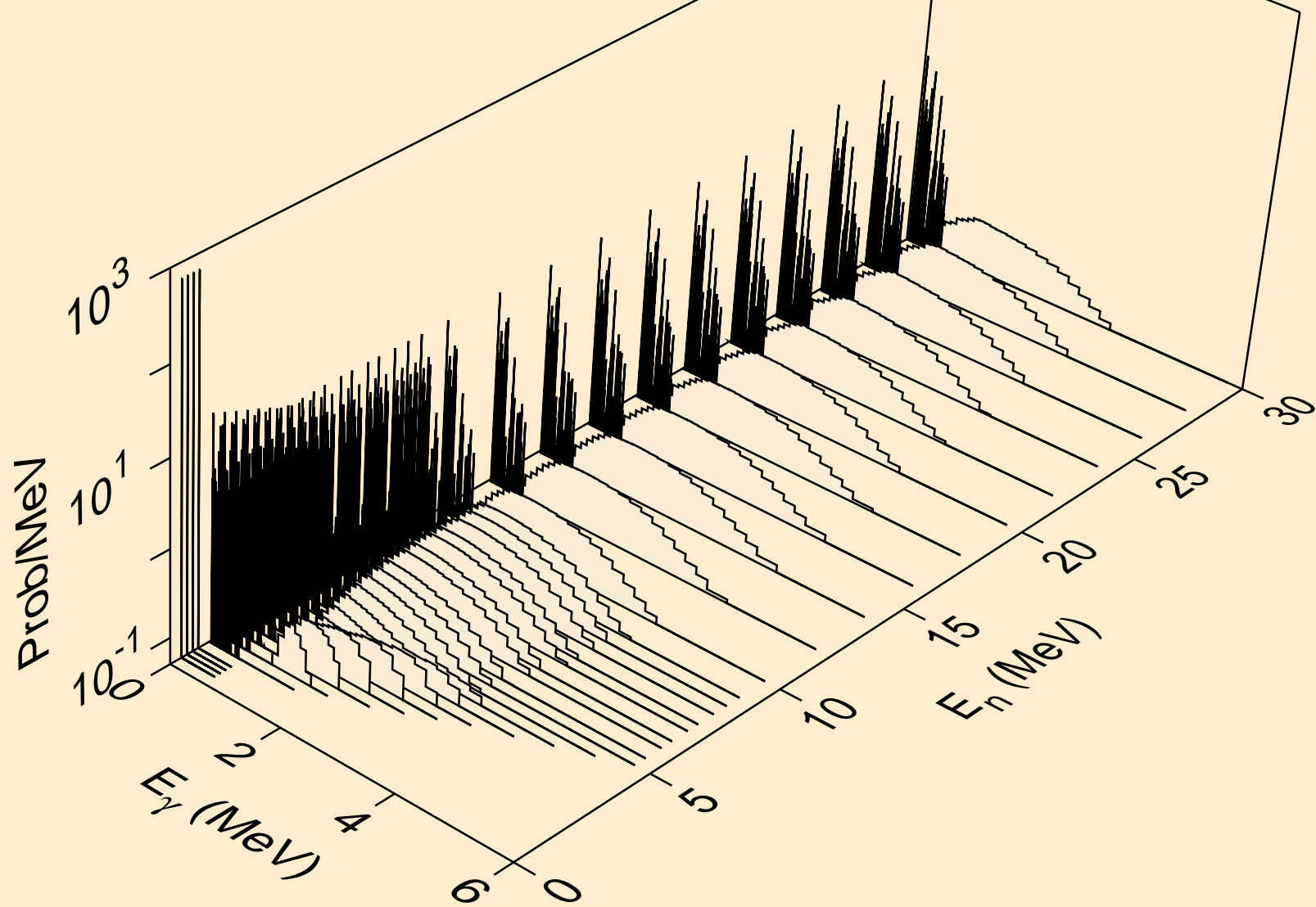
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



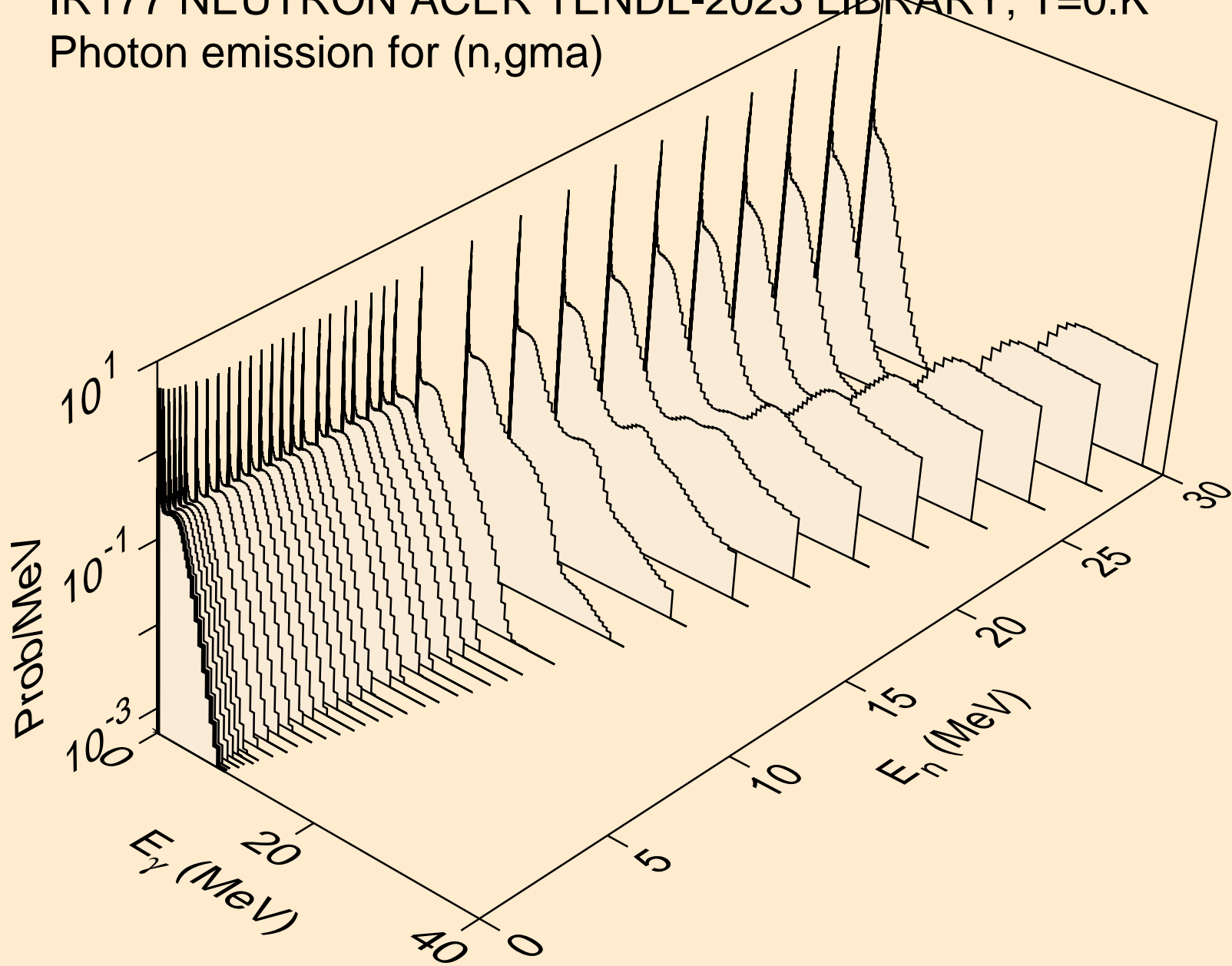
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



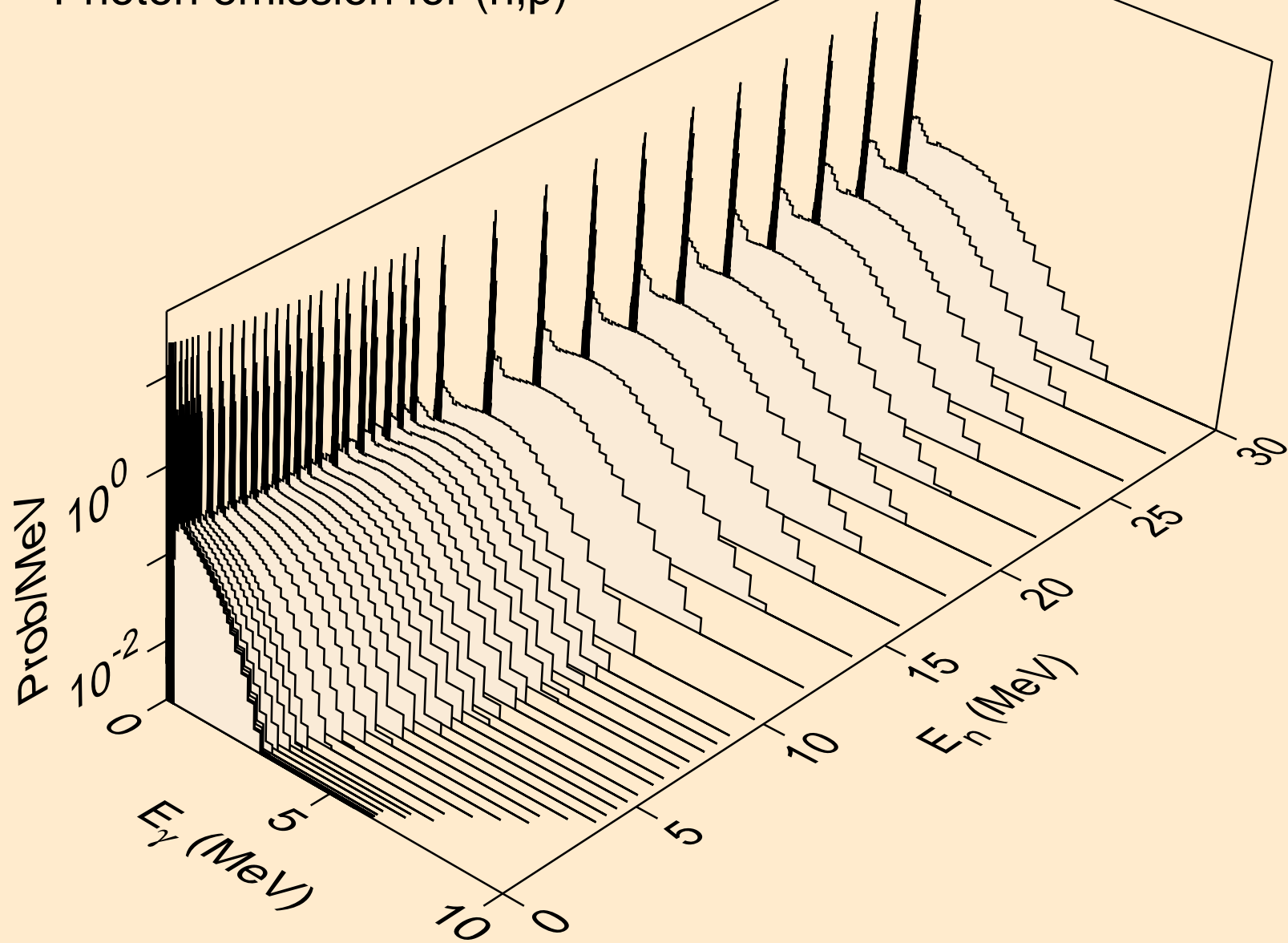
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



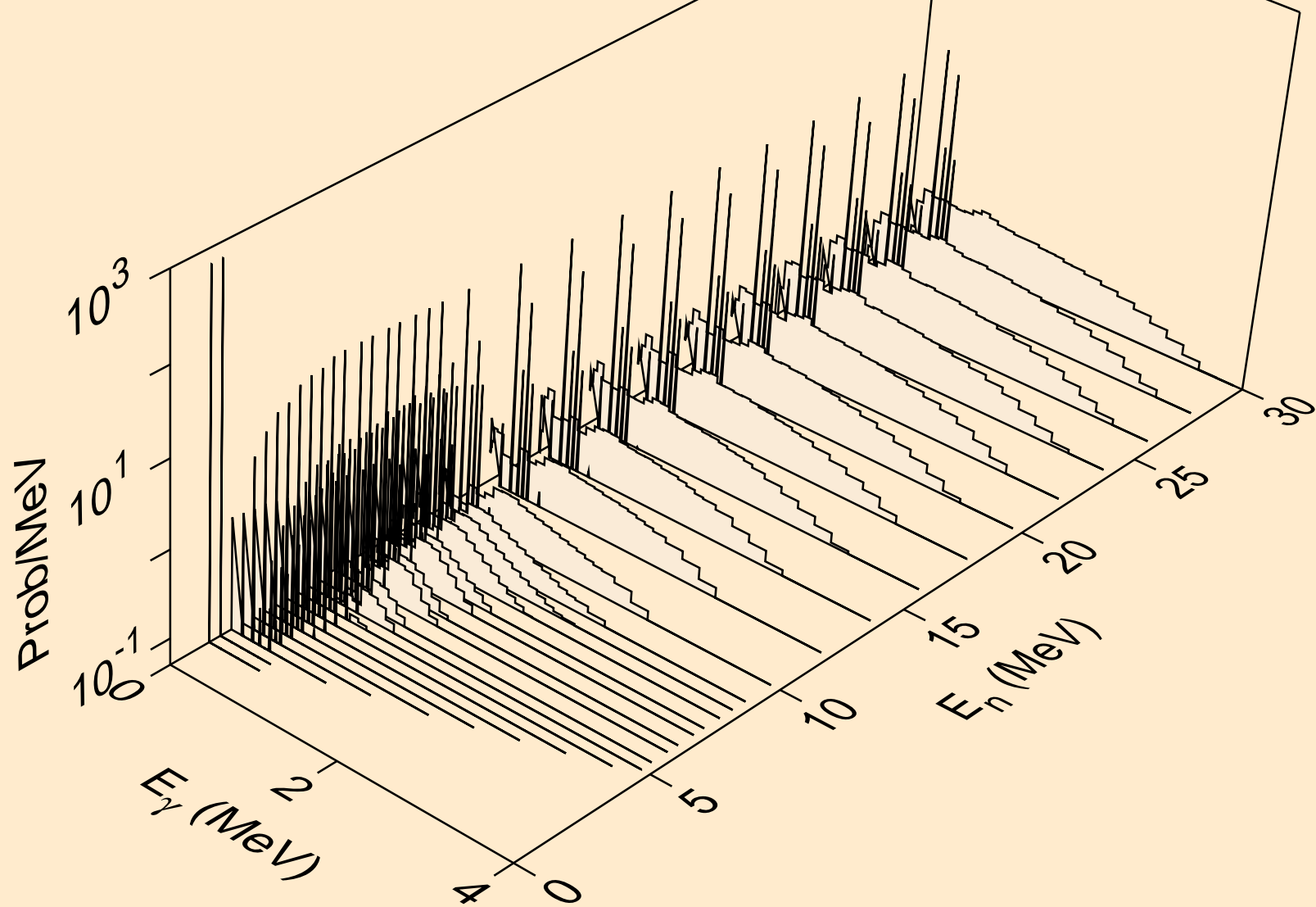
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



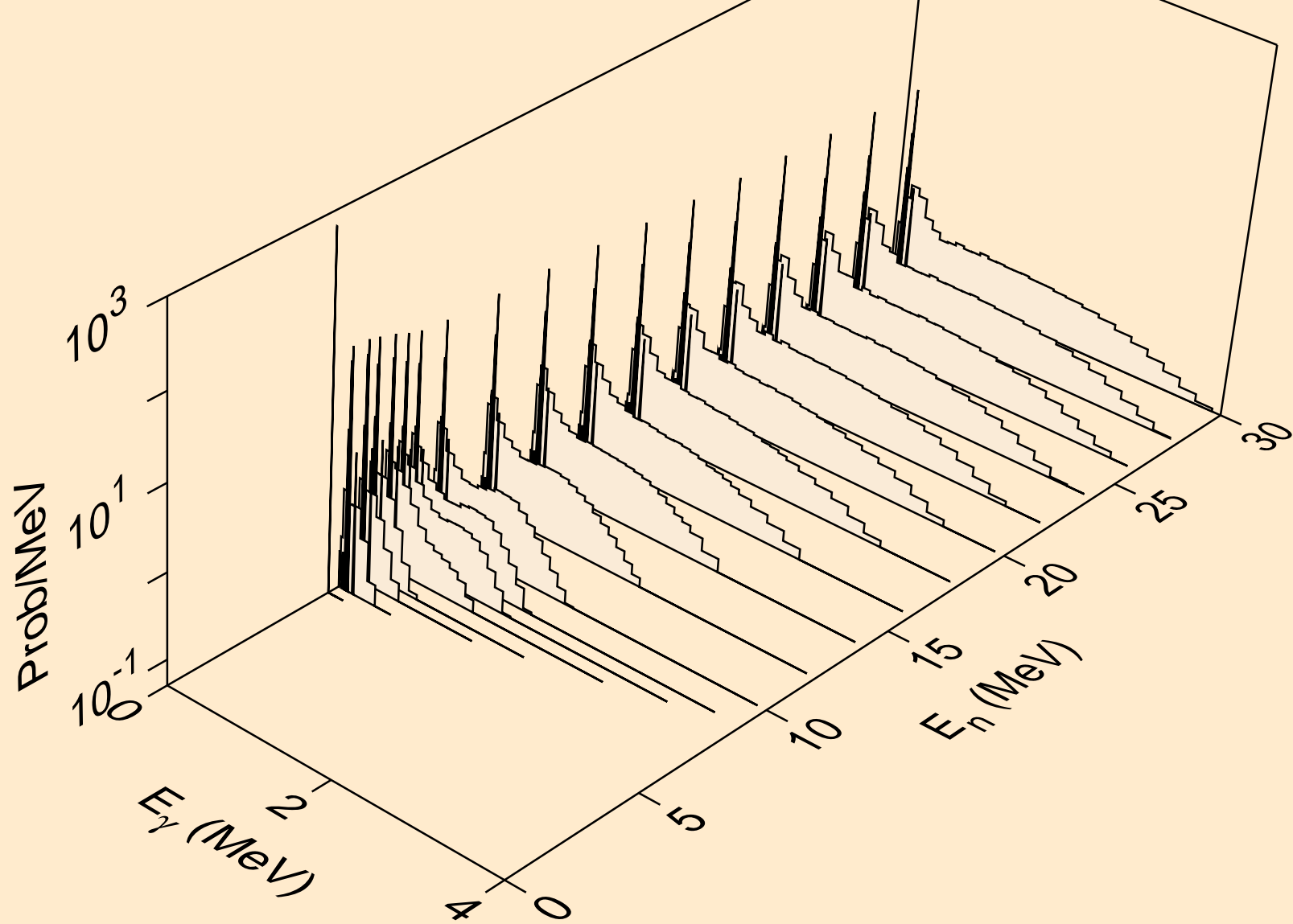
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



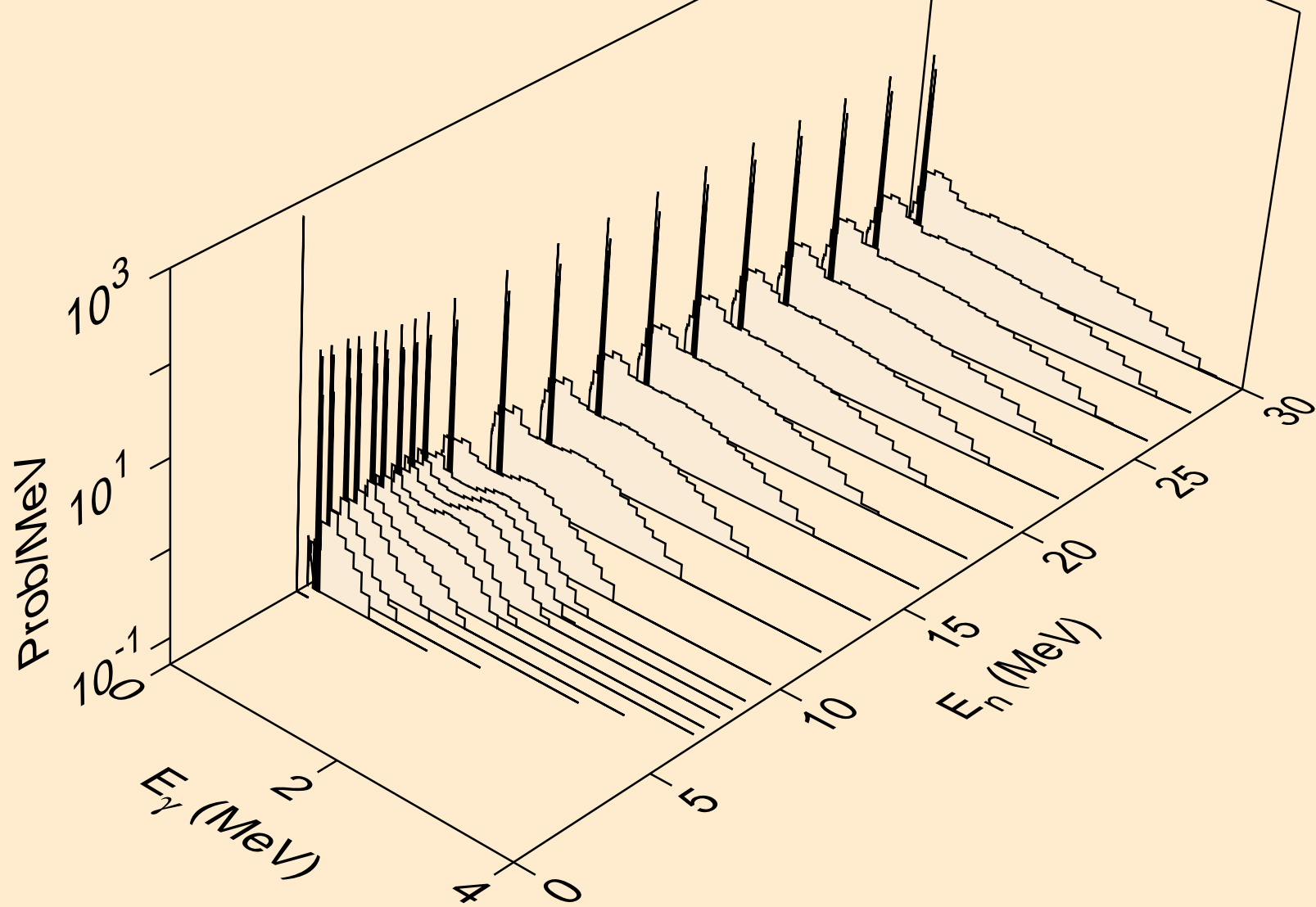
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



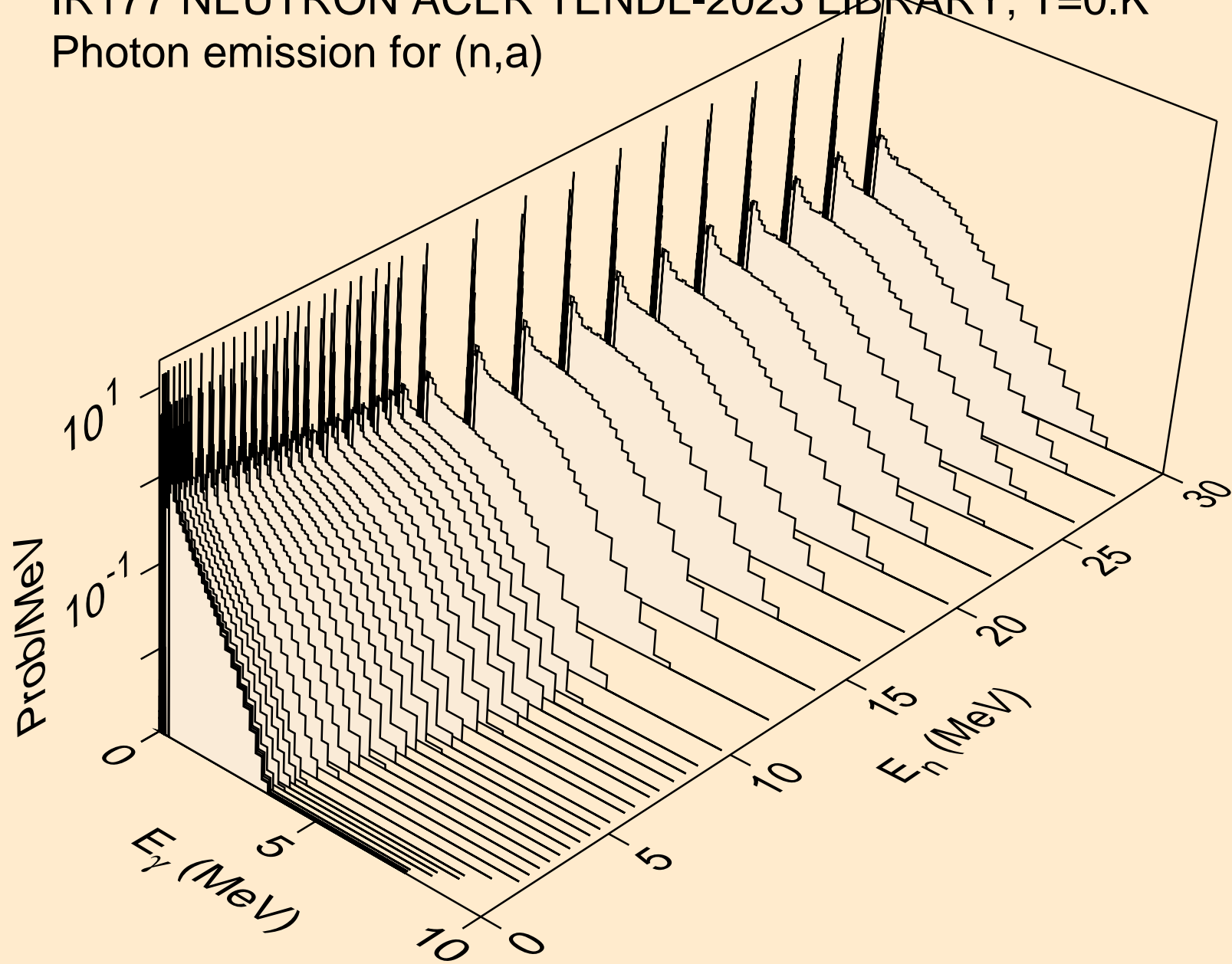
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



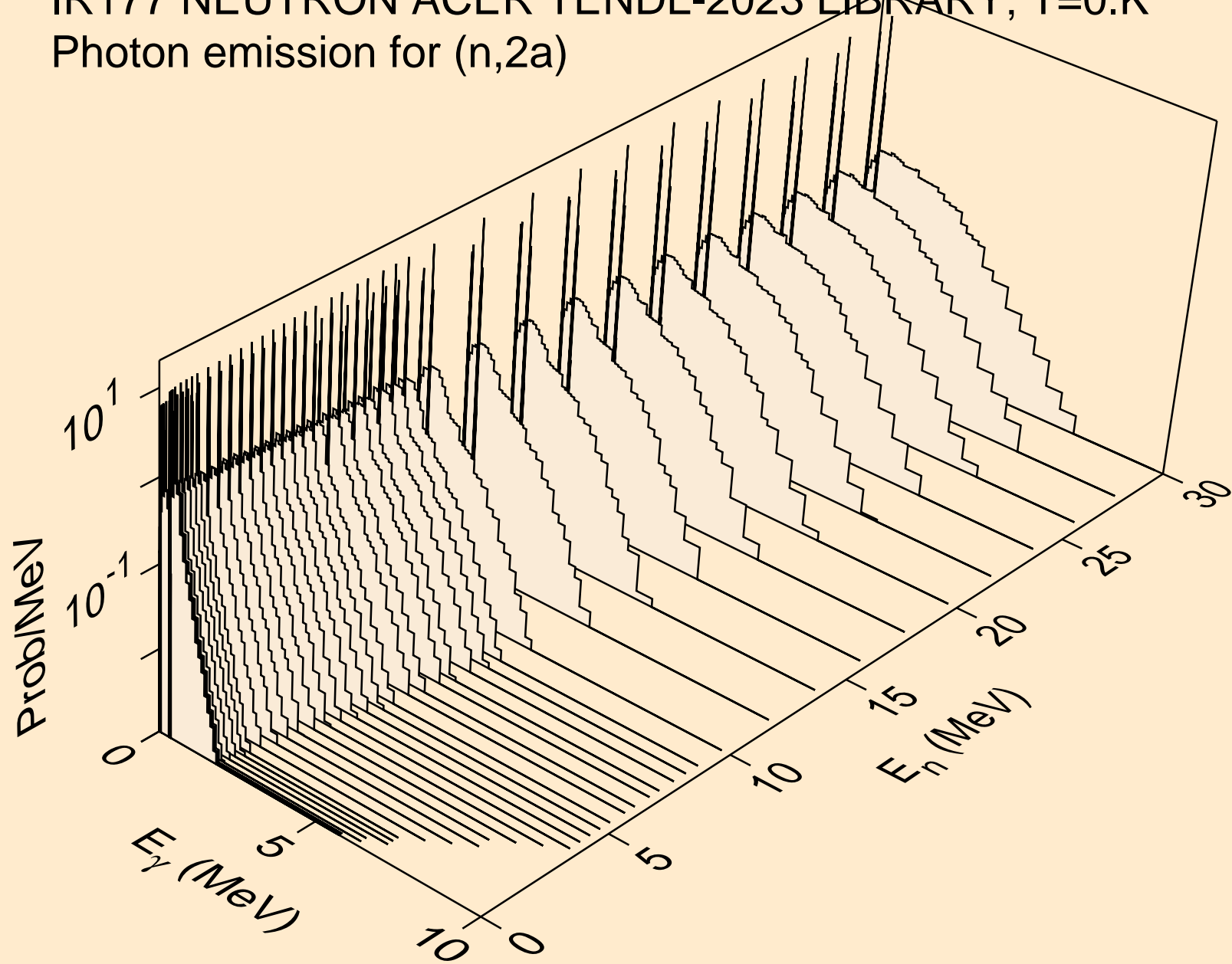
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



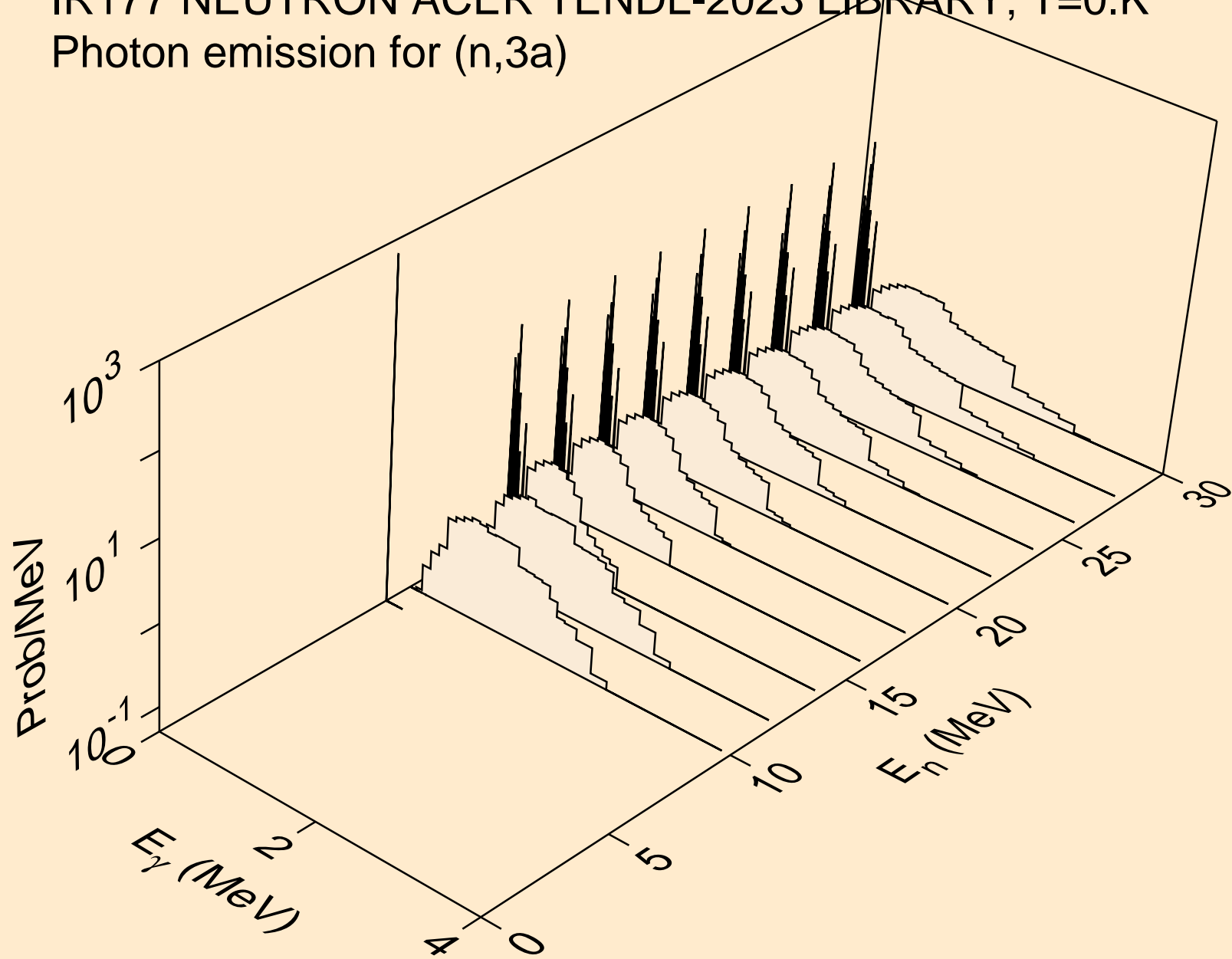
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



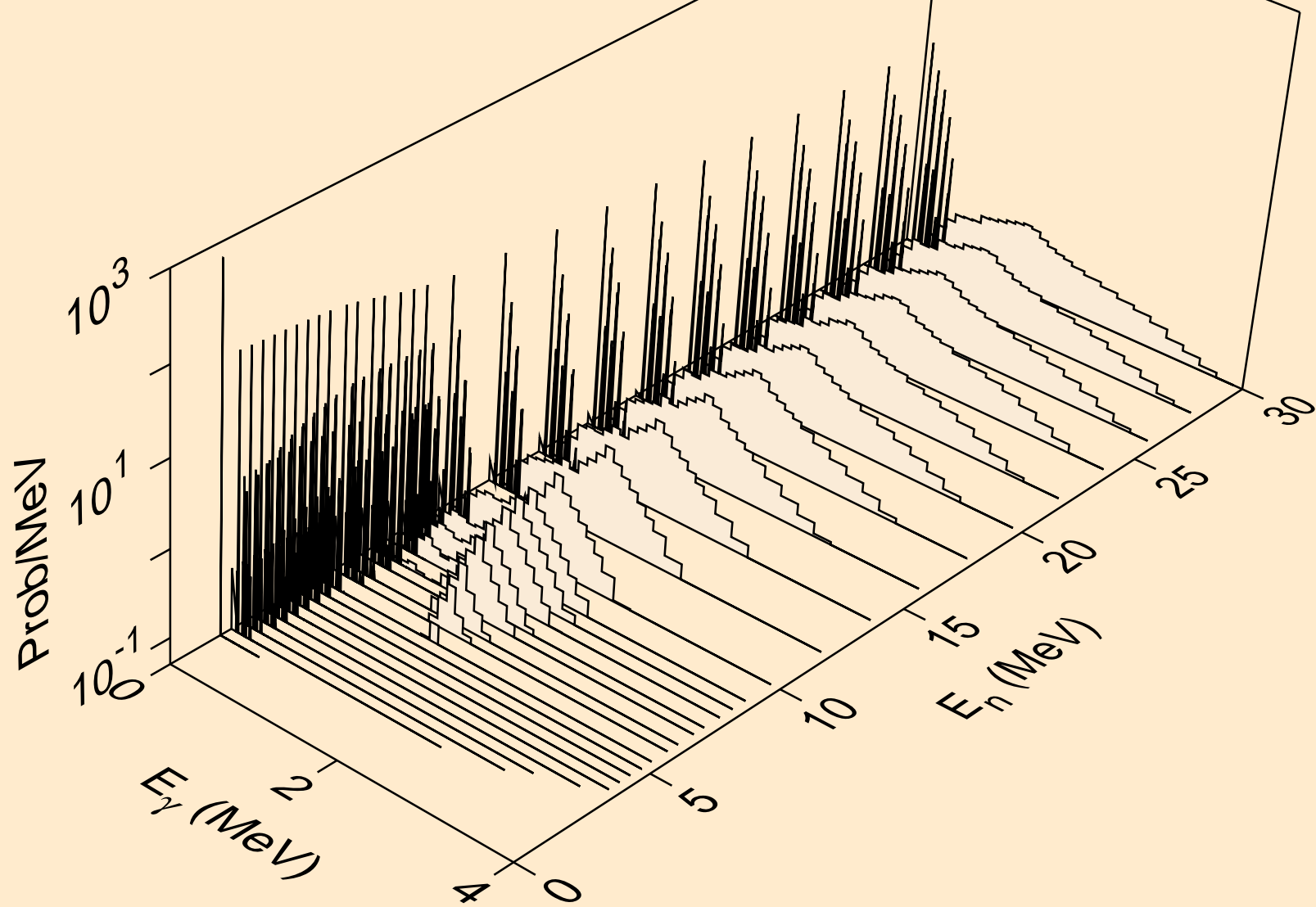
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



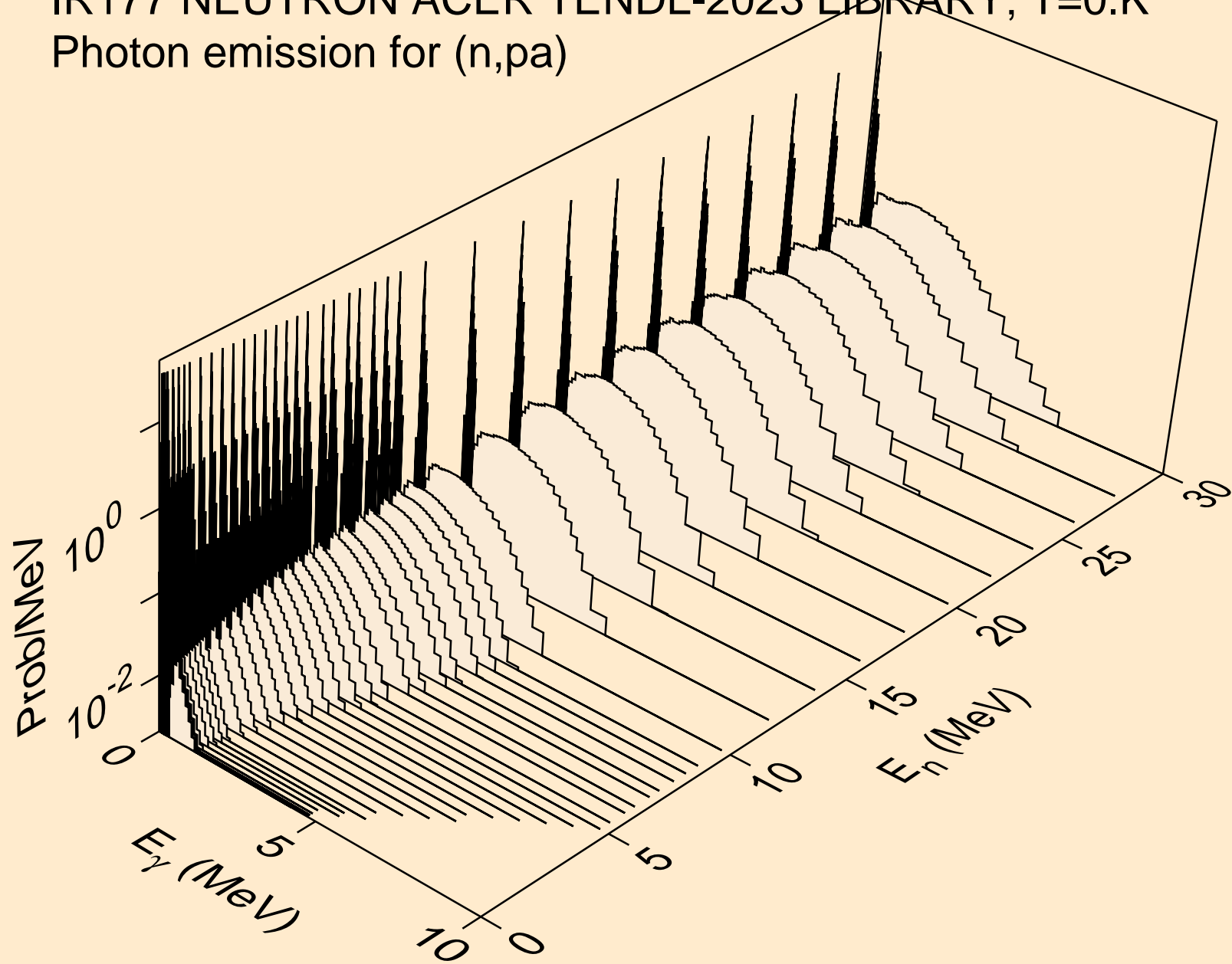
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



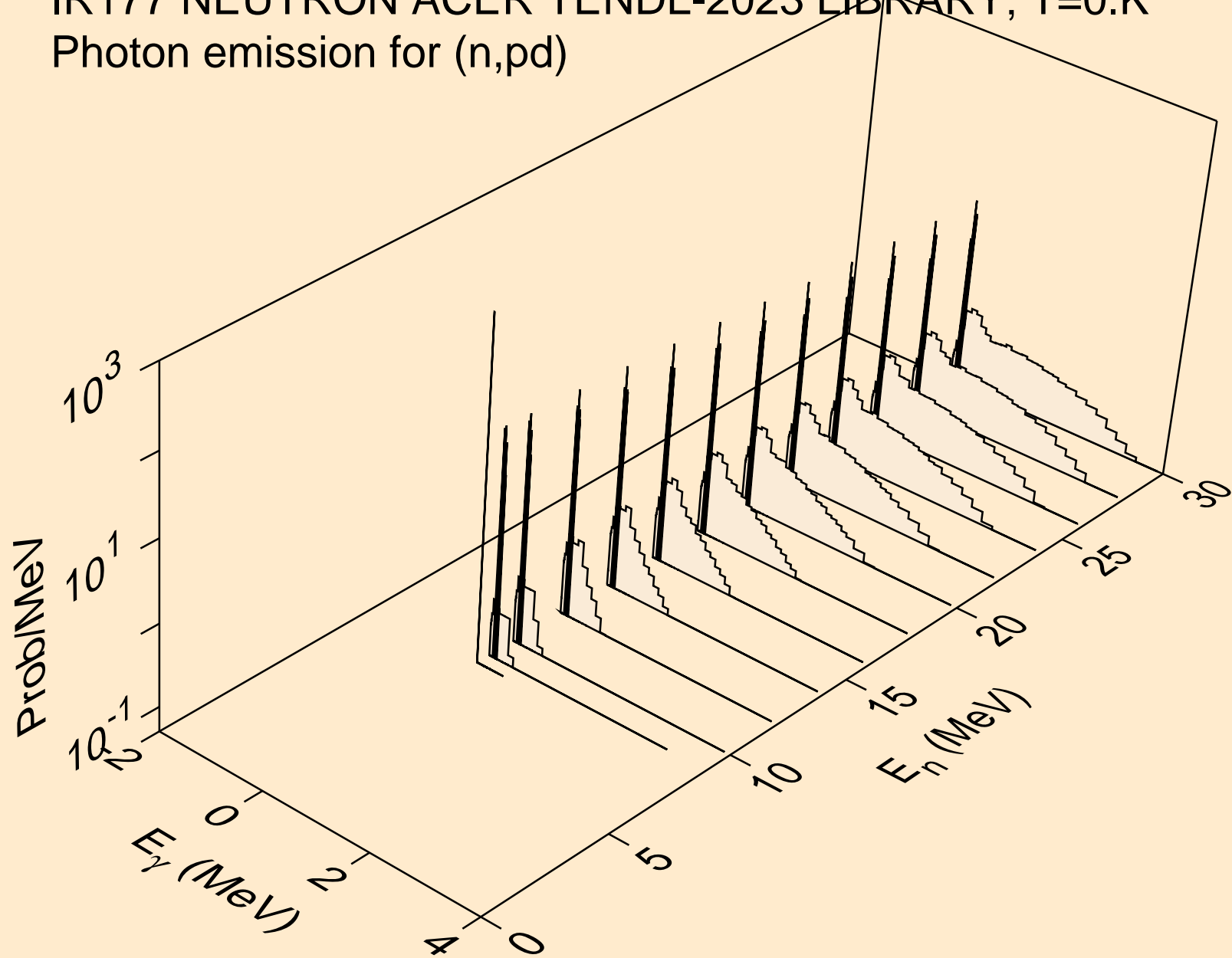
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Photon emission for (n,2p)



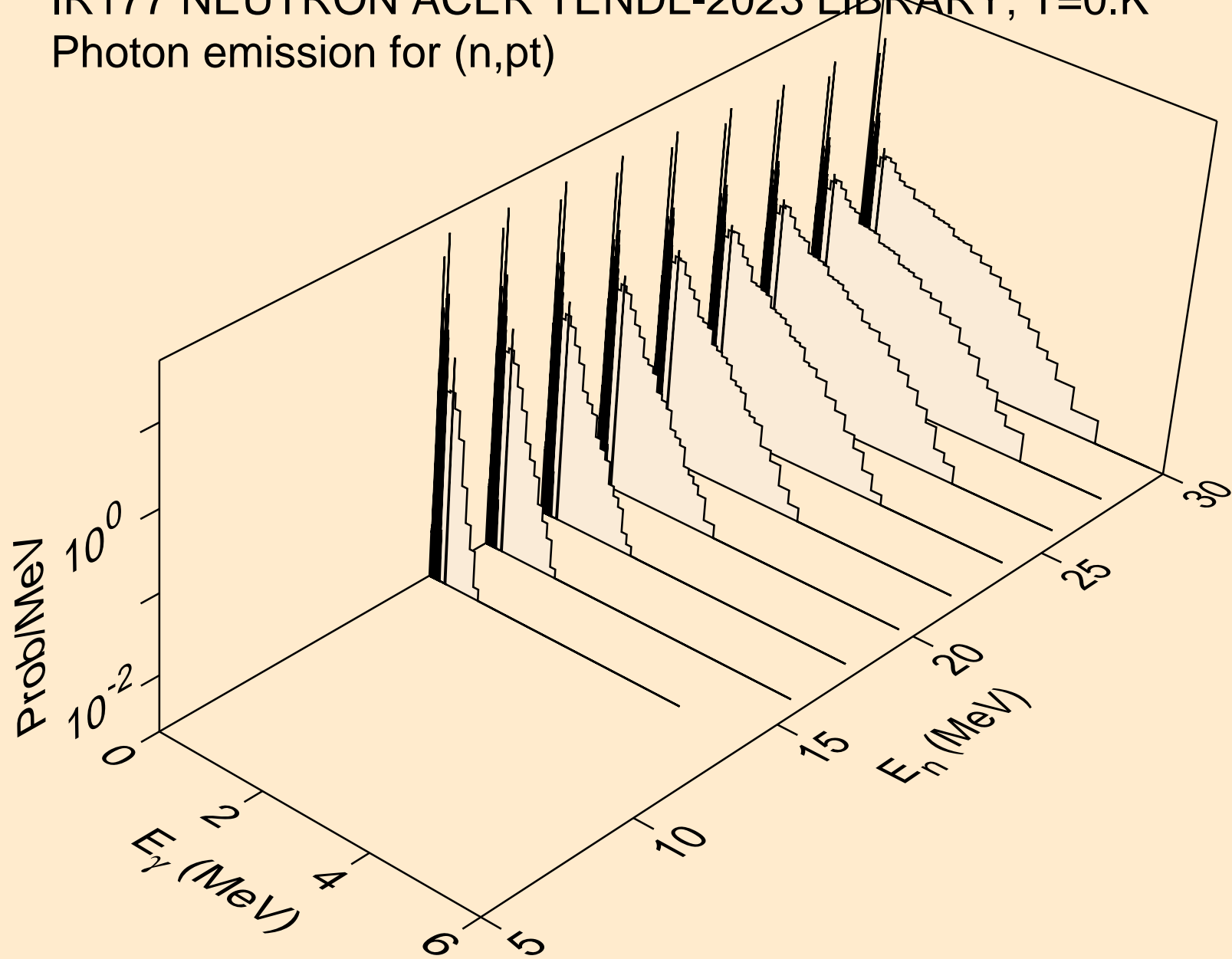
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



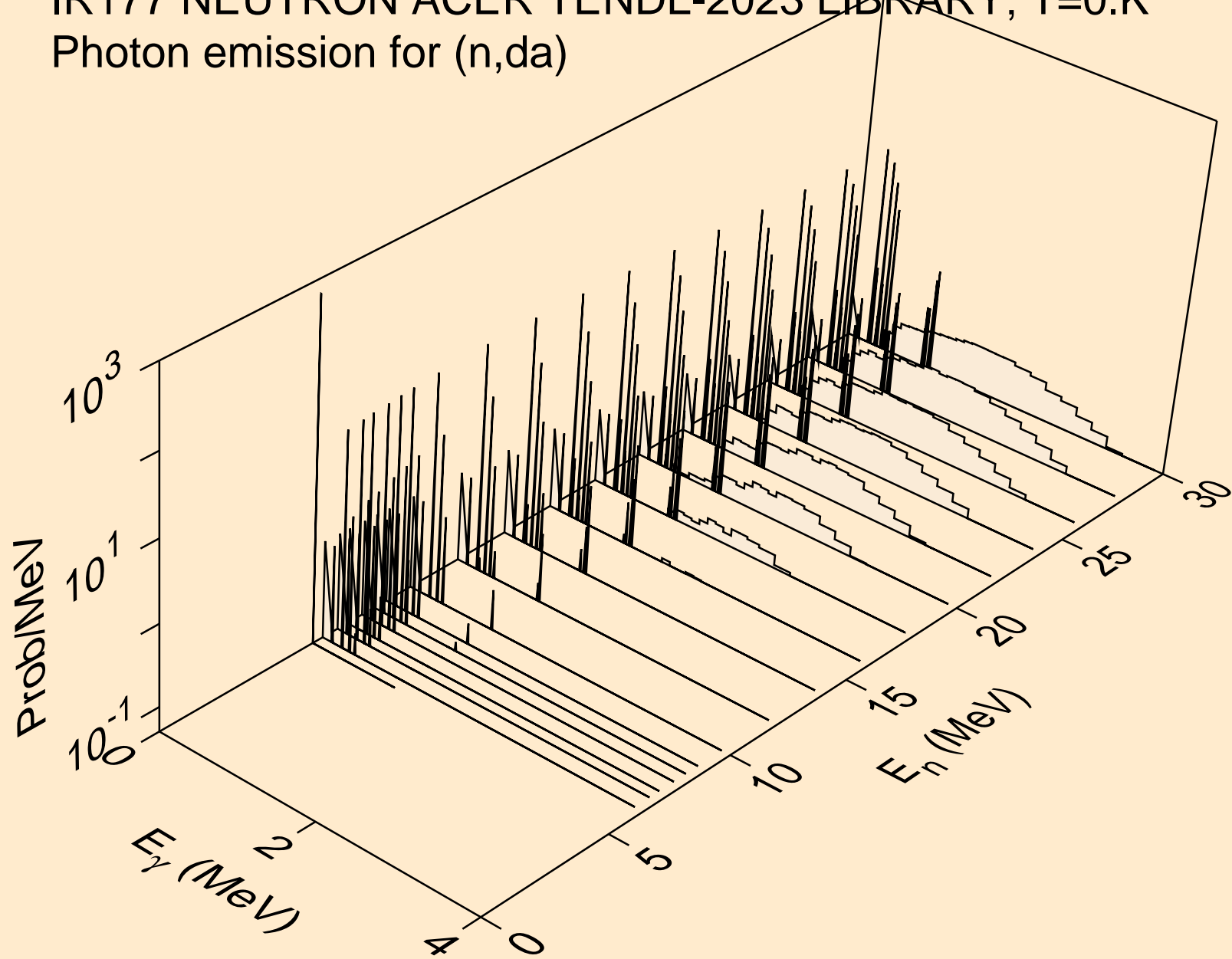
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



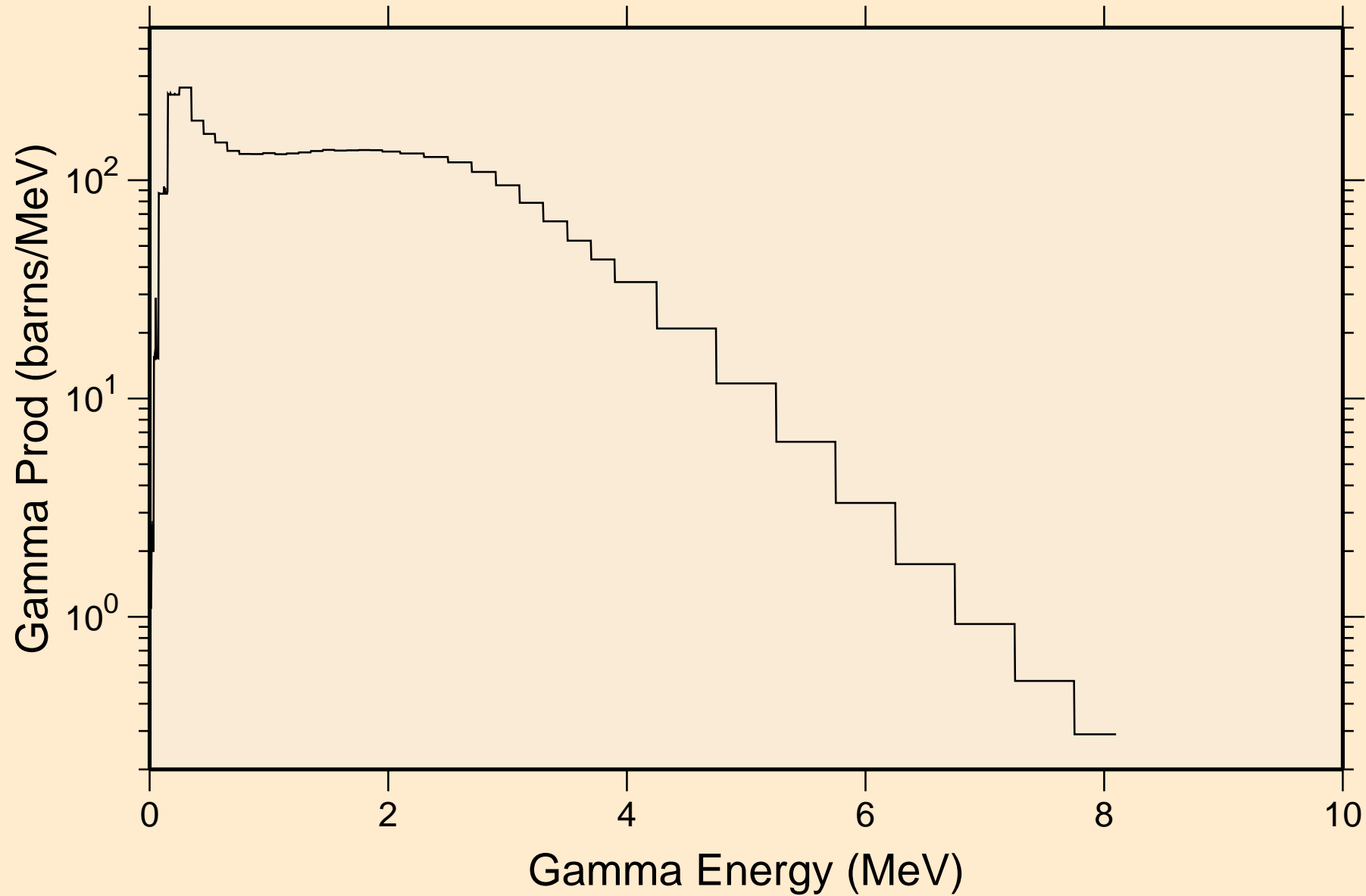
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



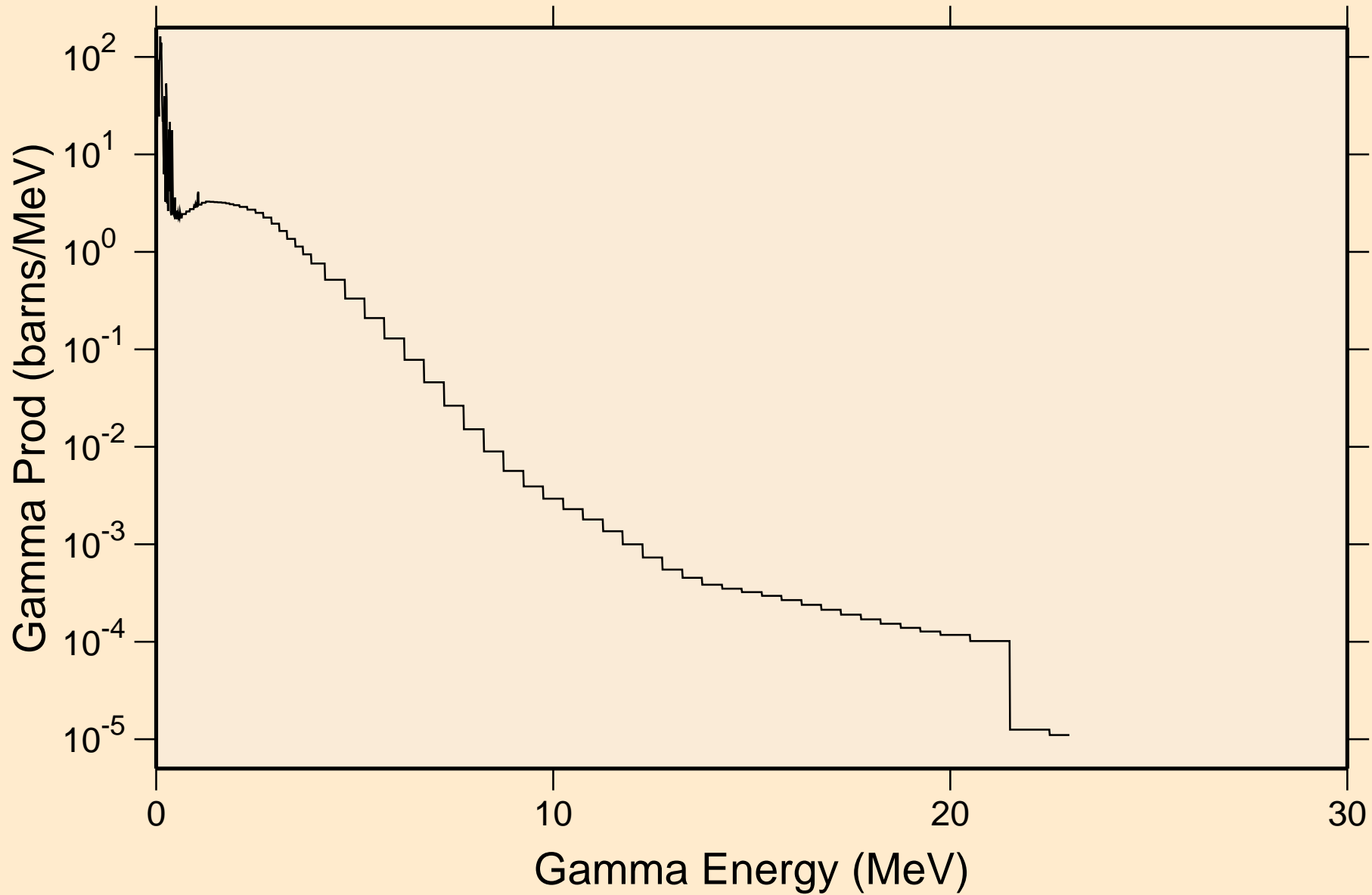
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

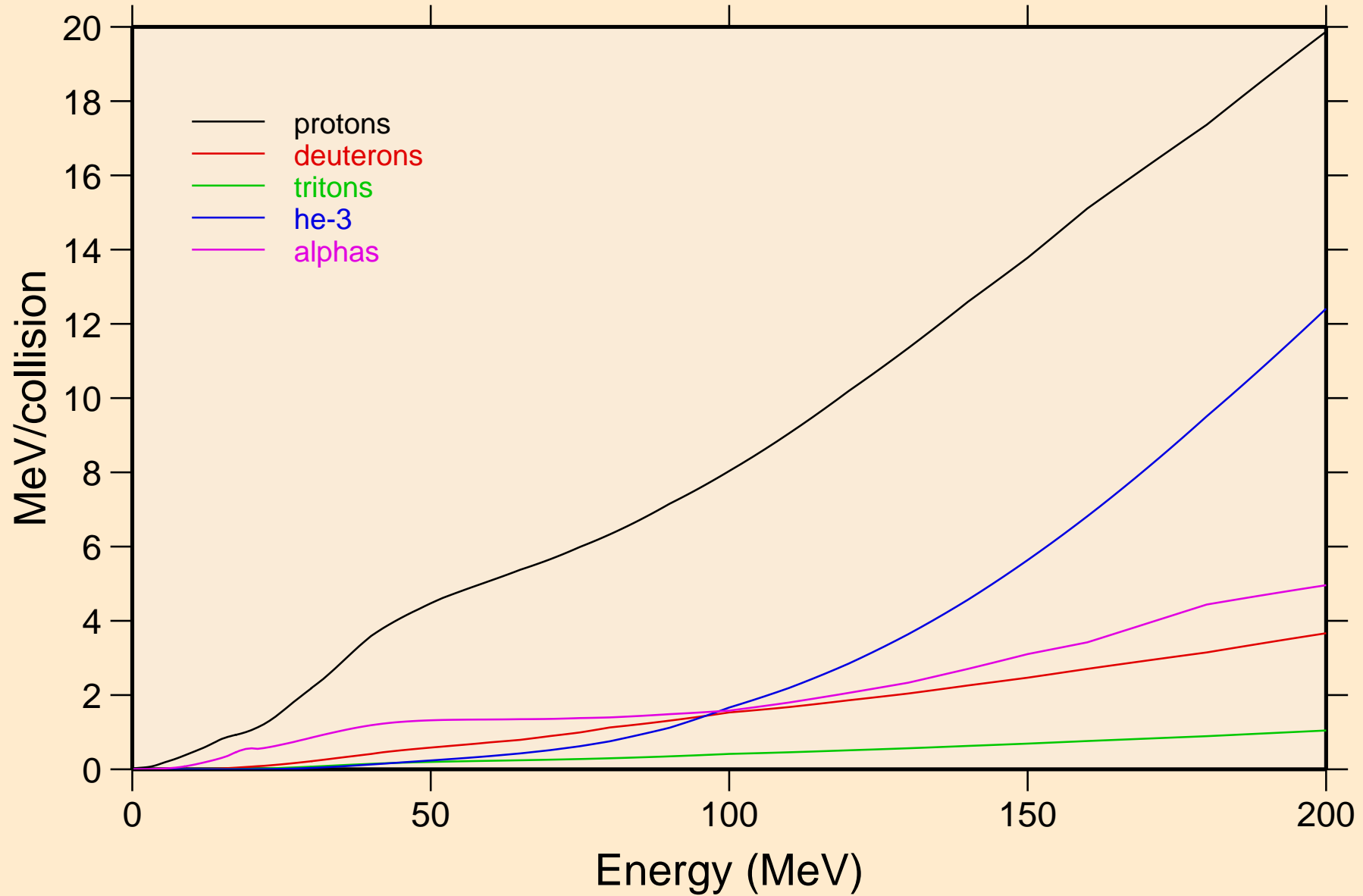


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum

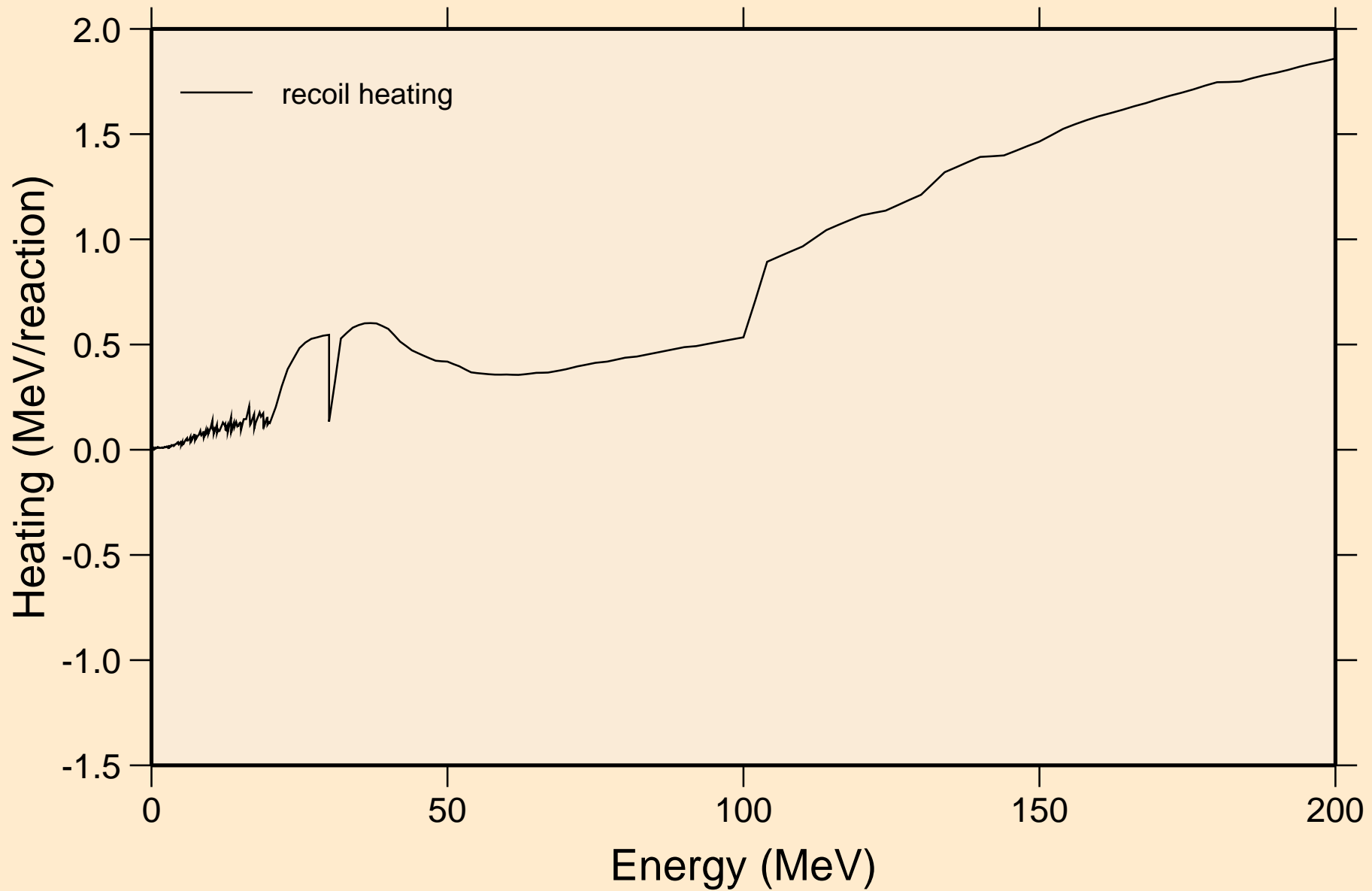


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions

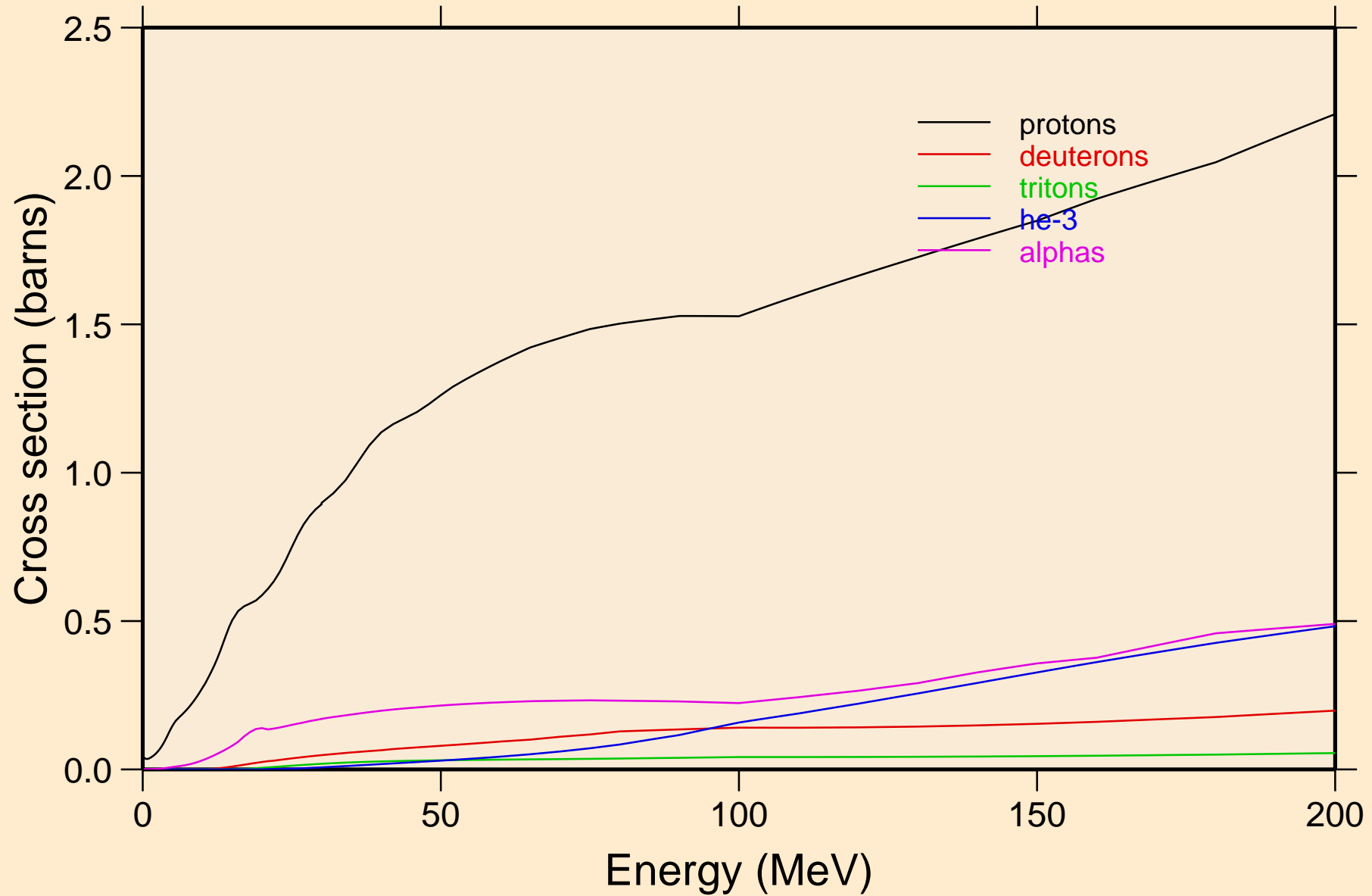


IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

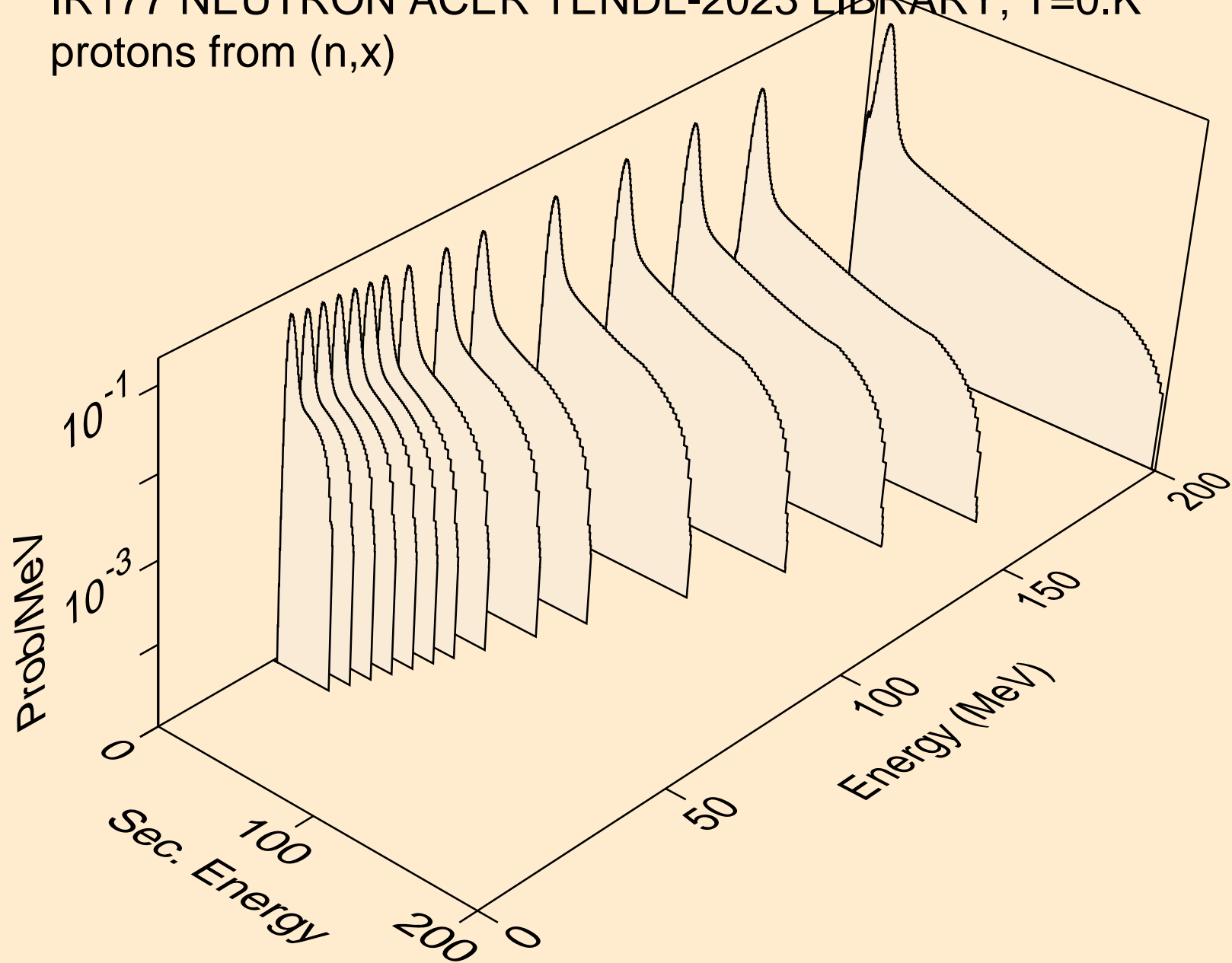


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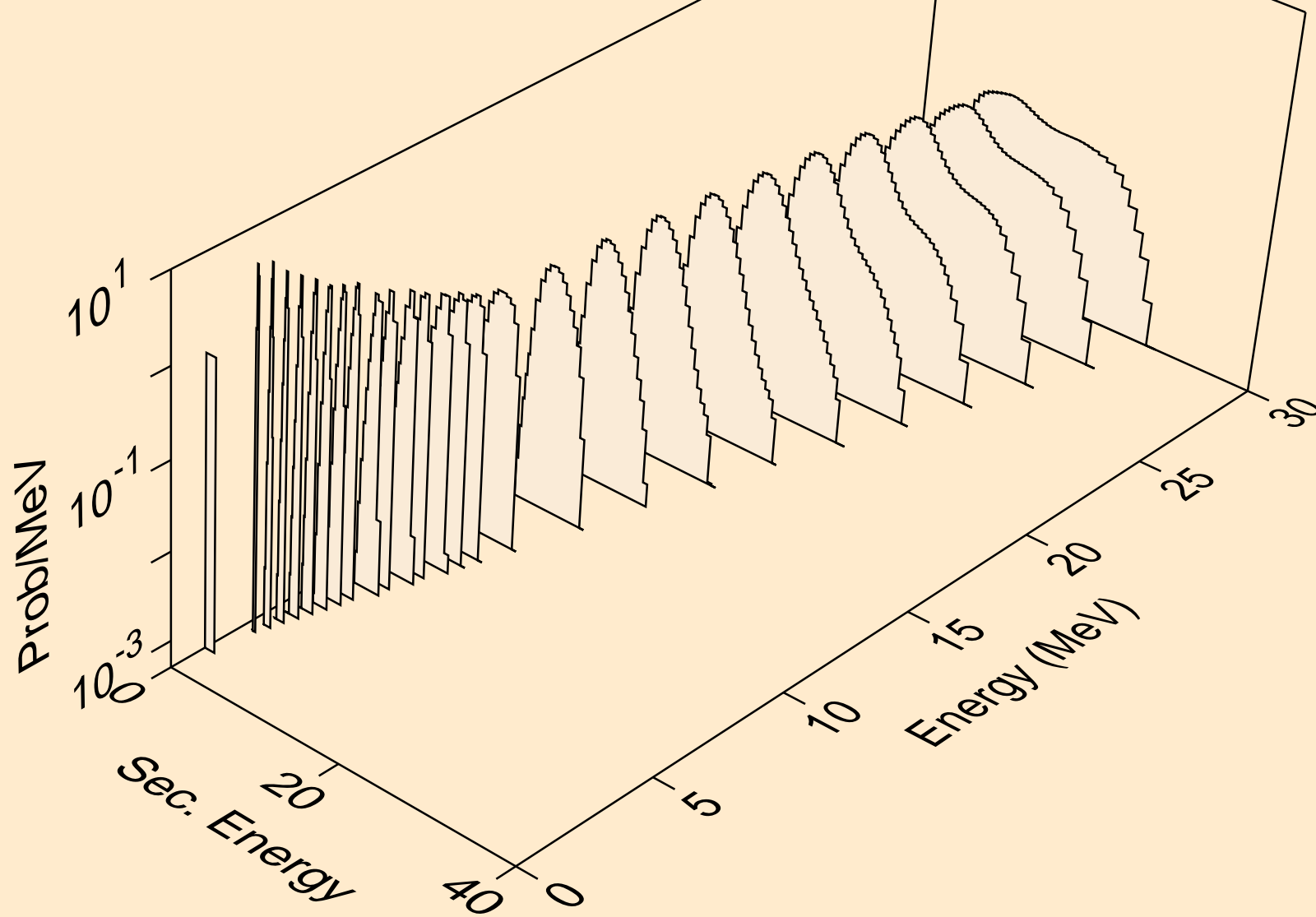
Particle production cross sections



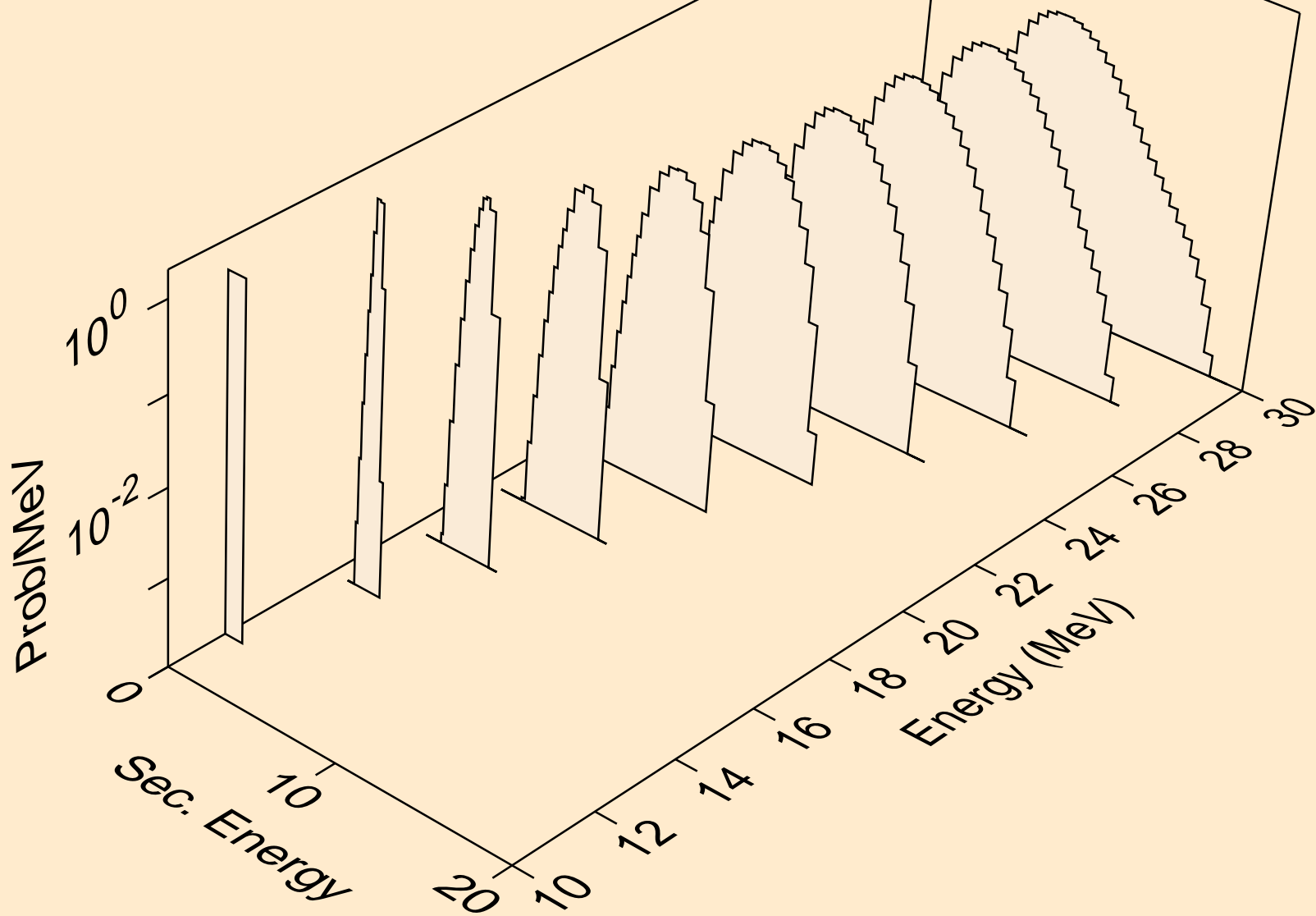
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



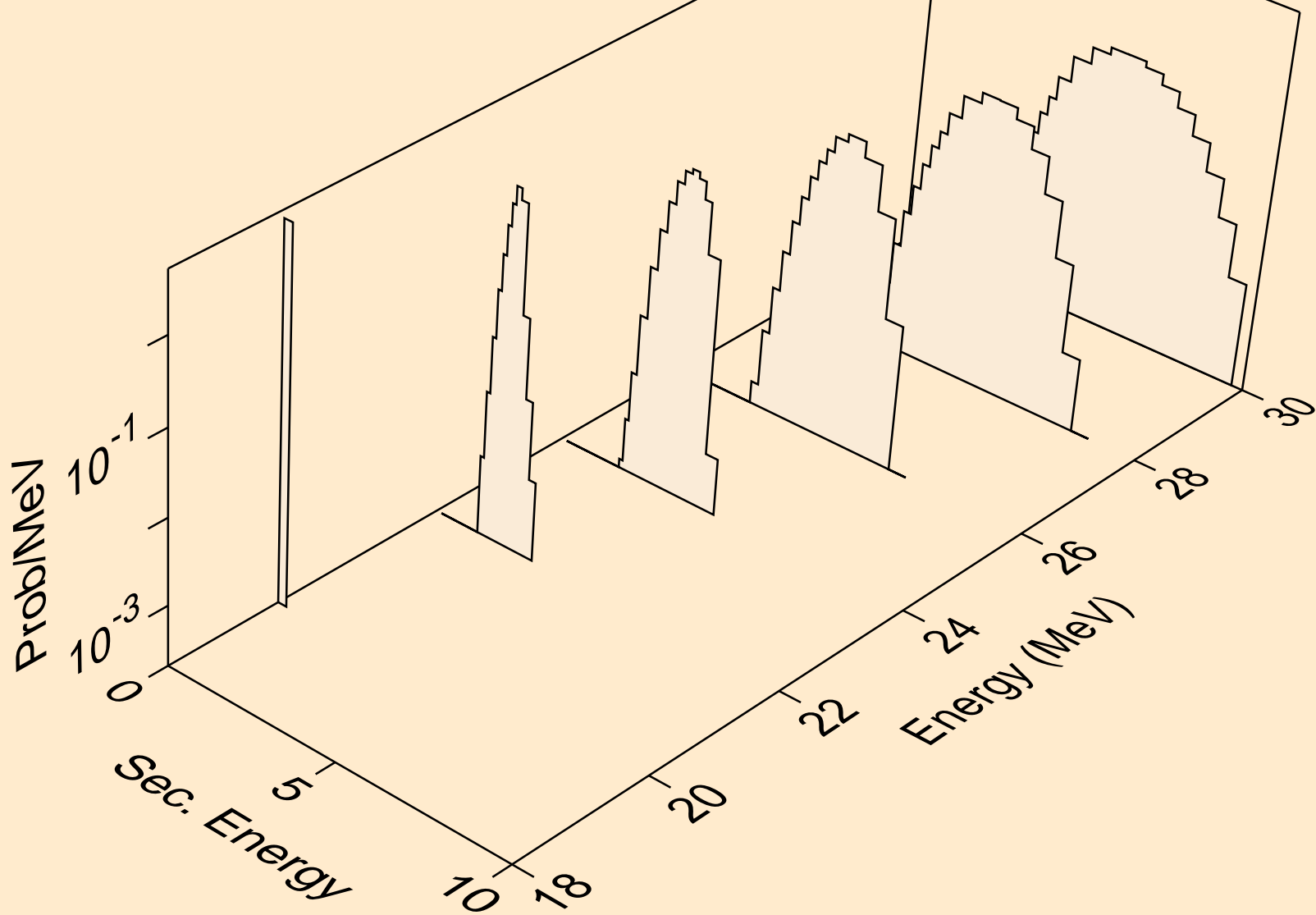
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



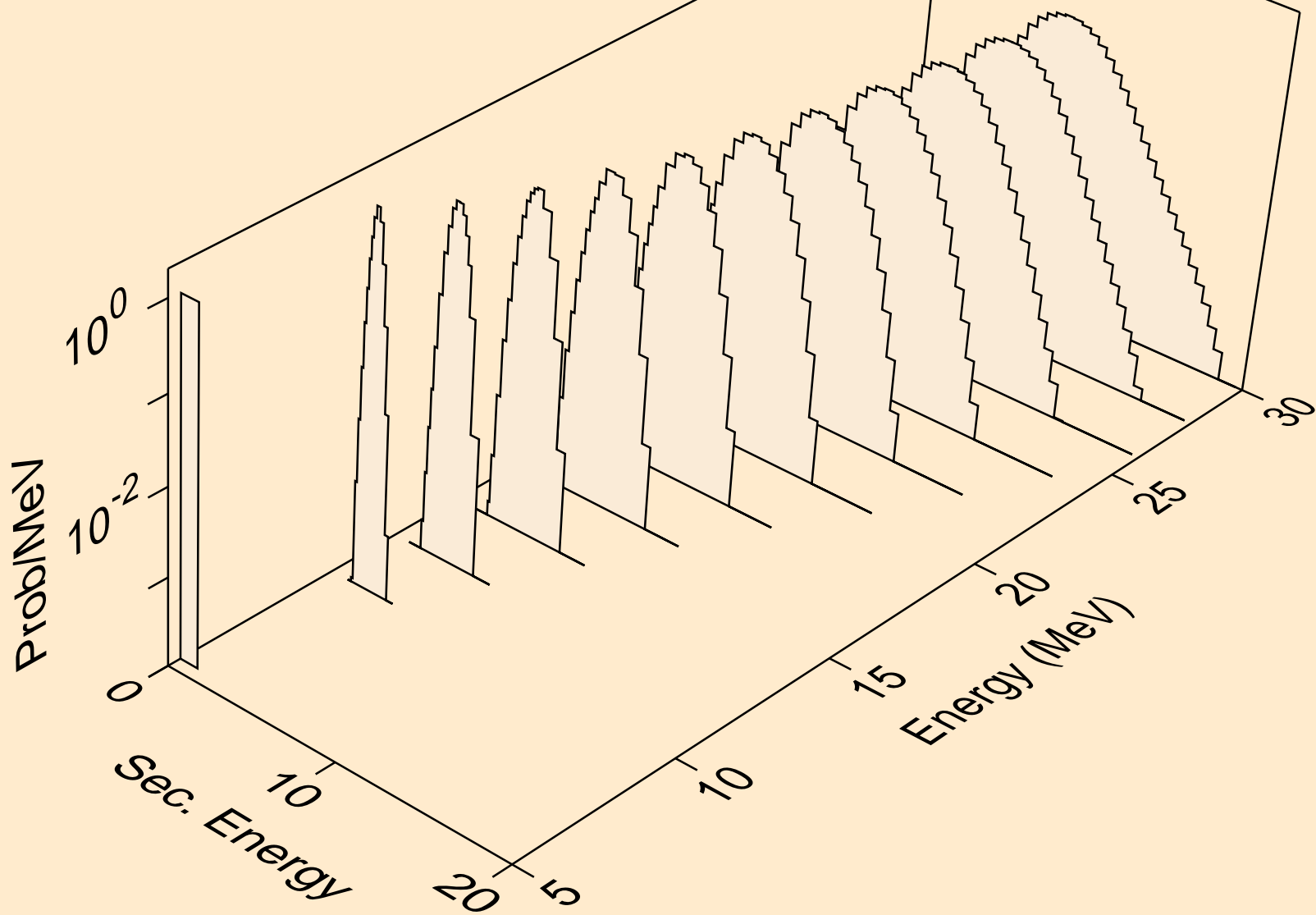
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protons from (n,2np)



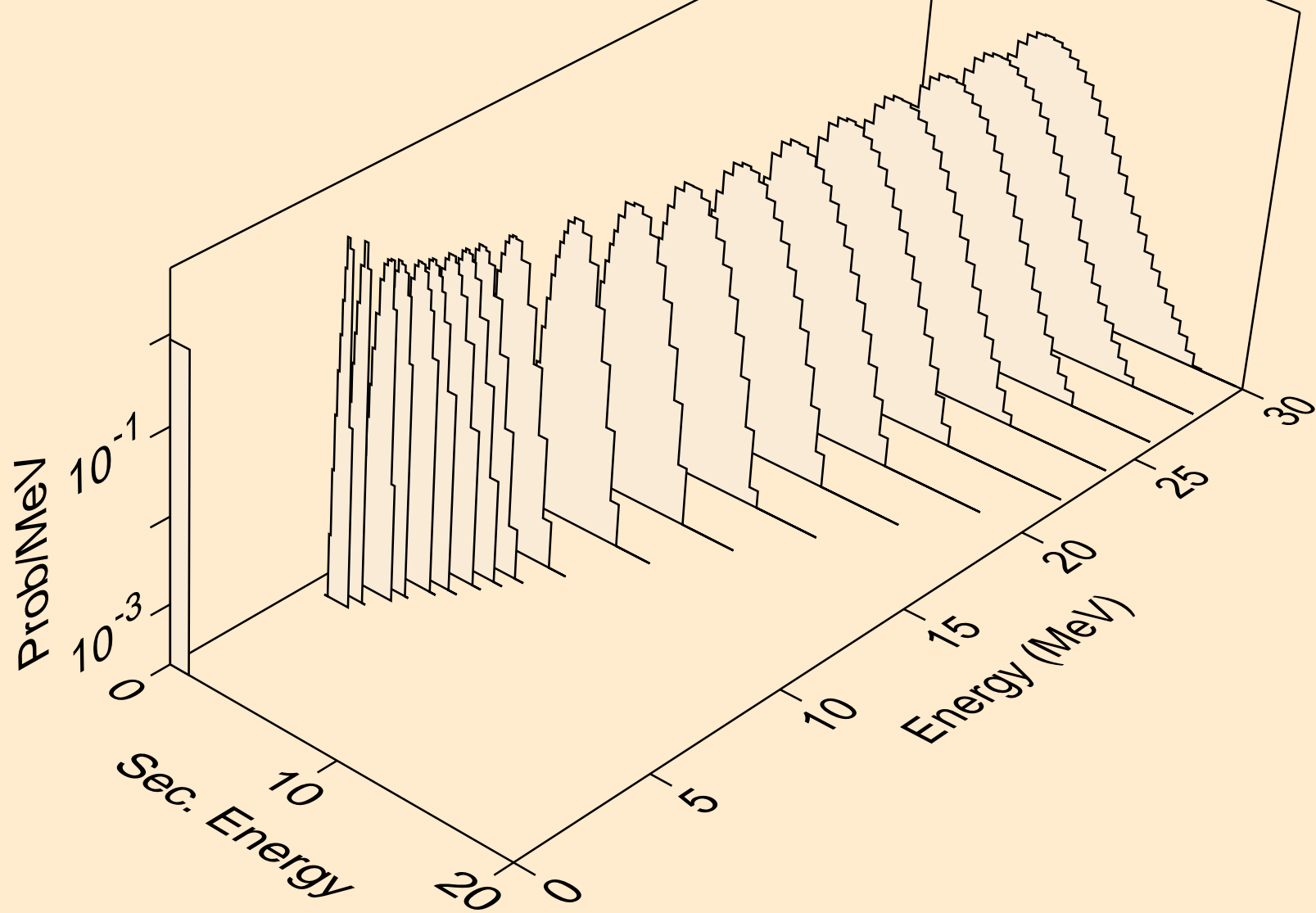
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protons from (n,3np)



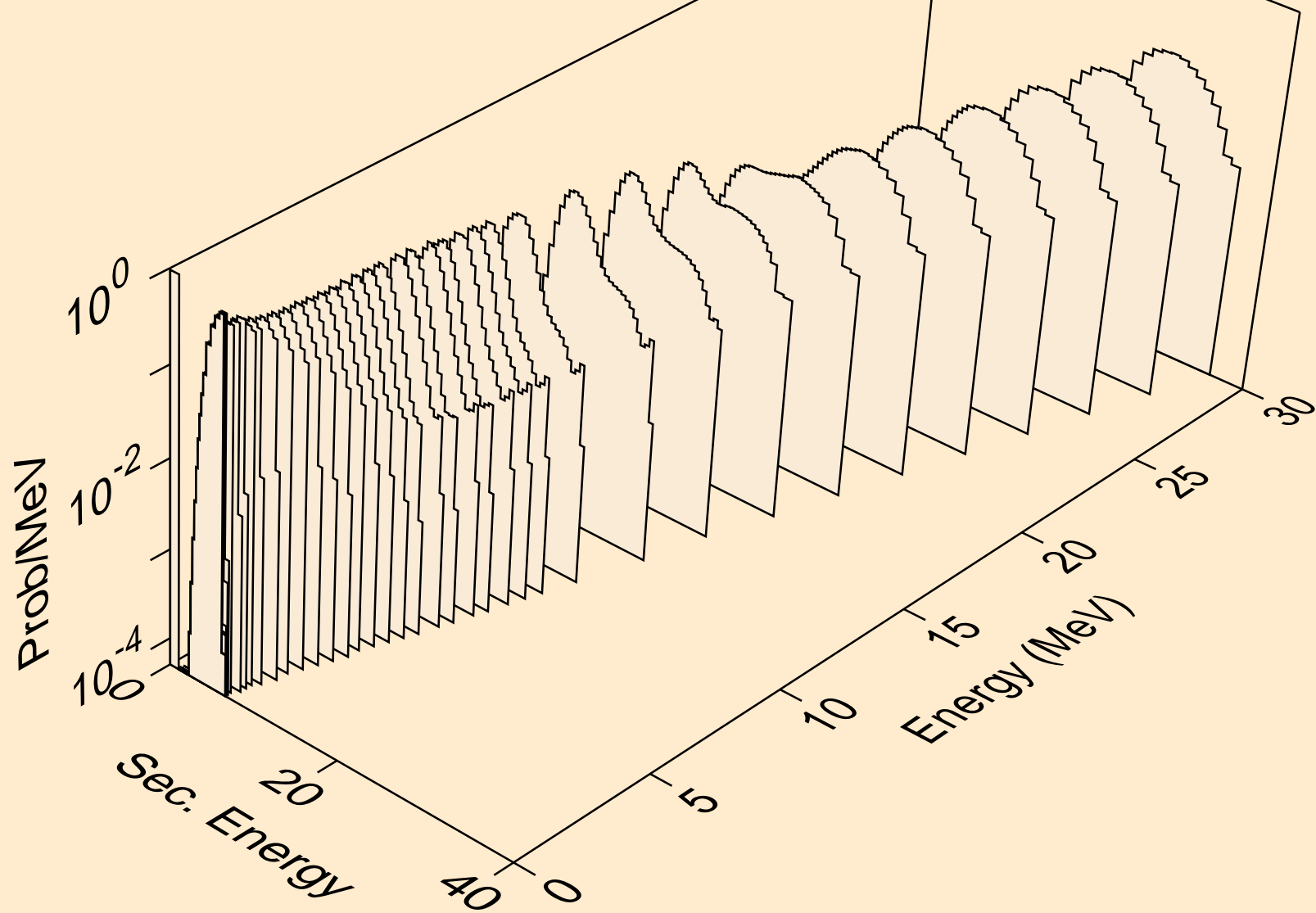
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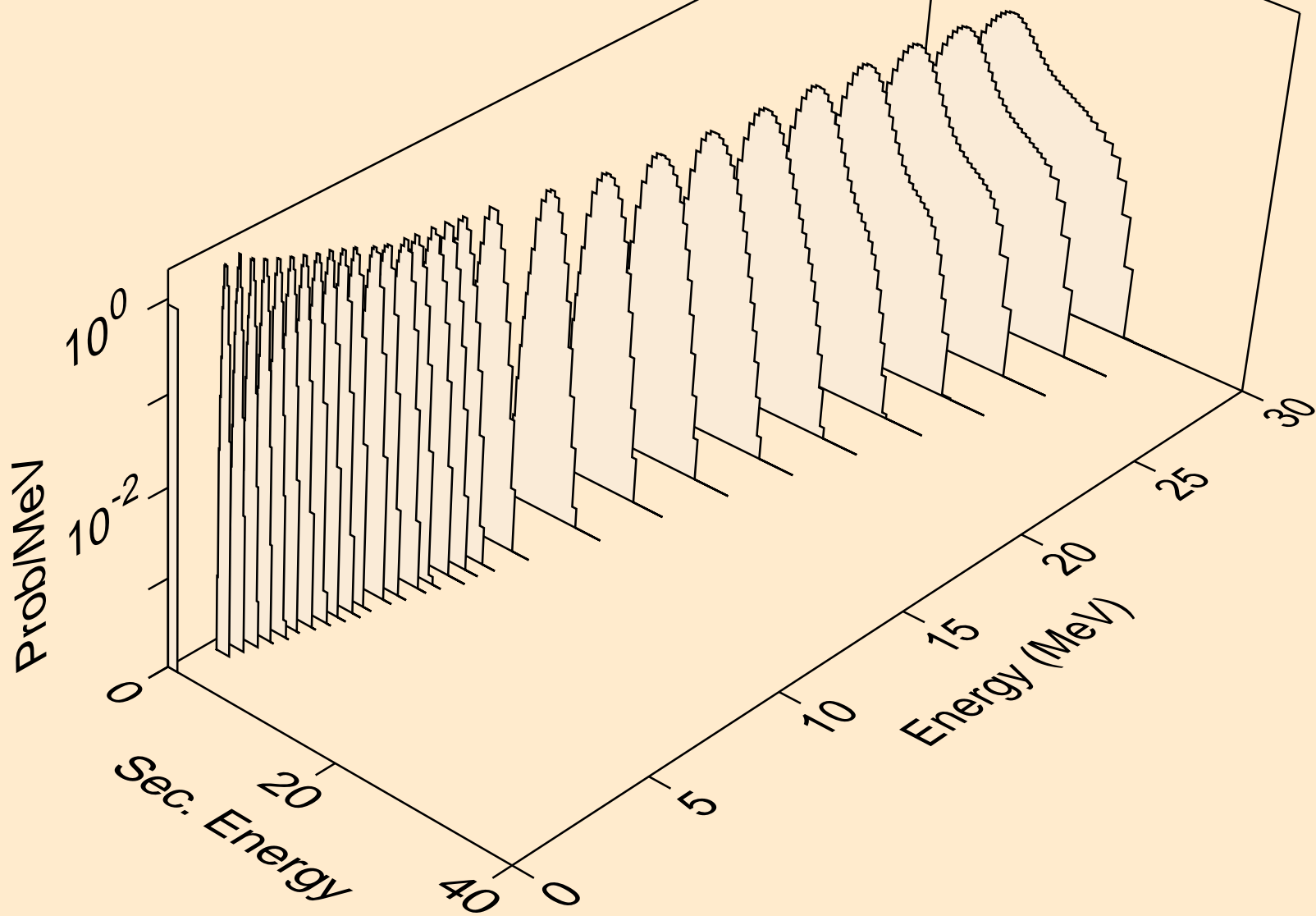
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protons from (n,npa)



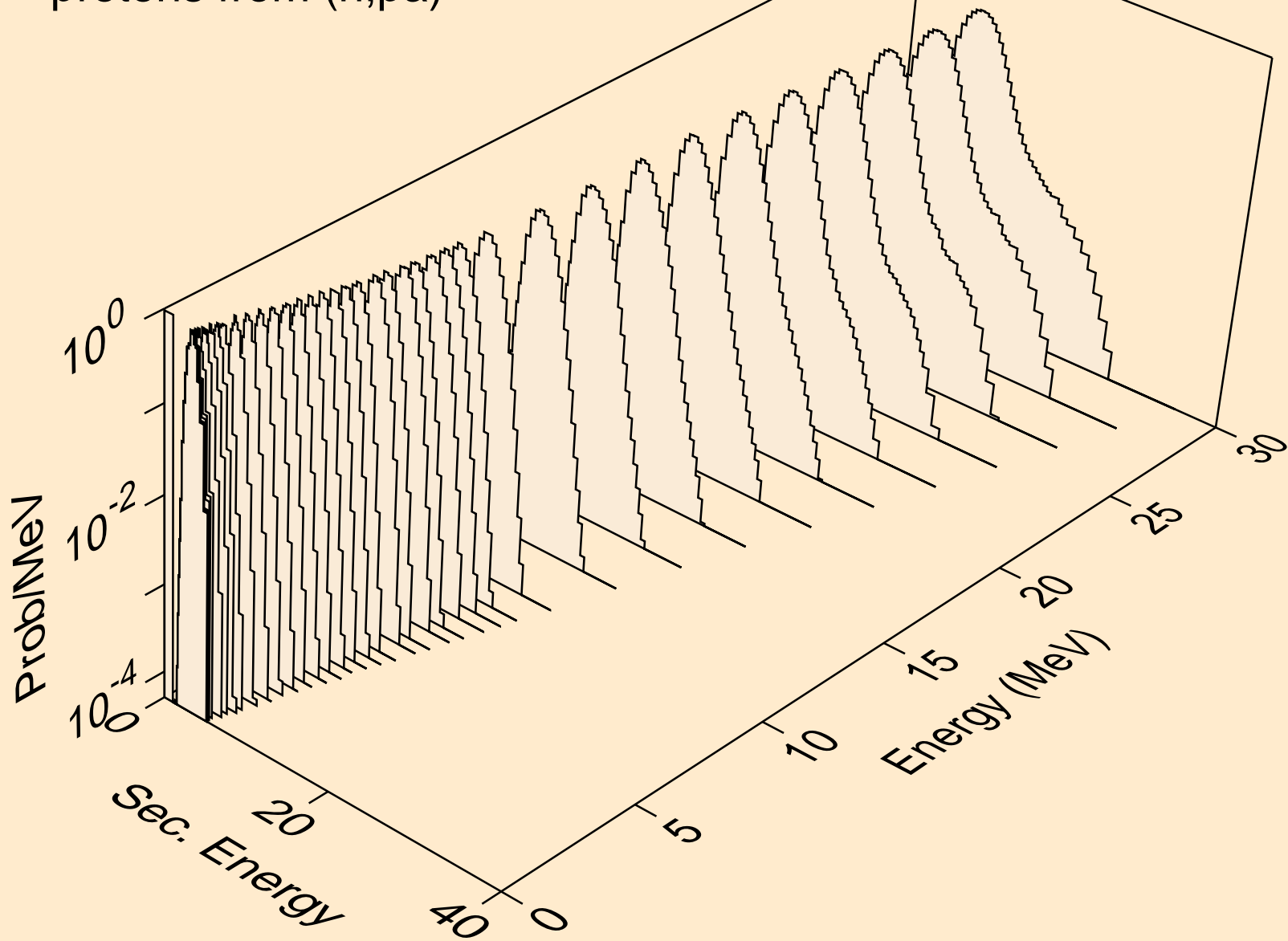
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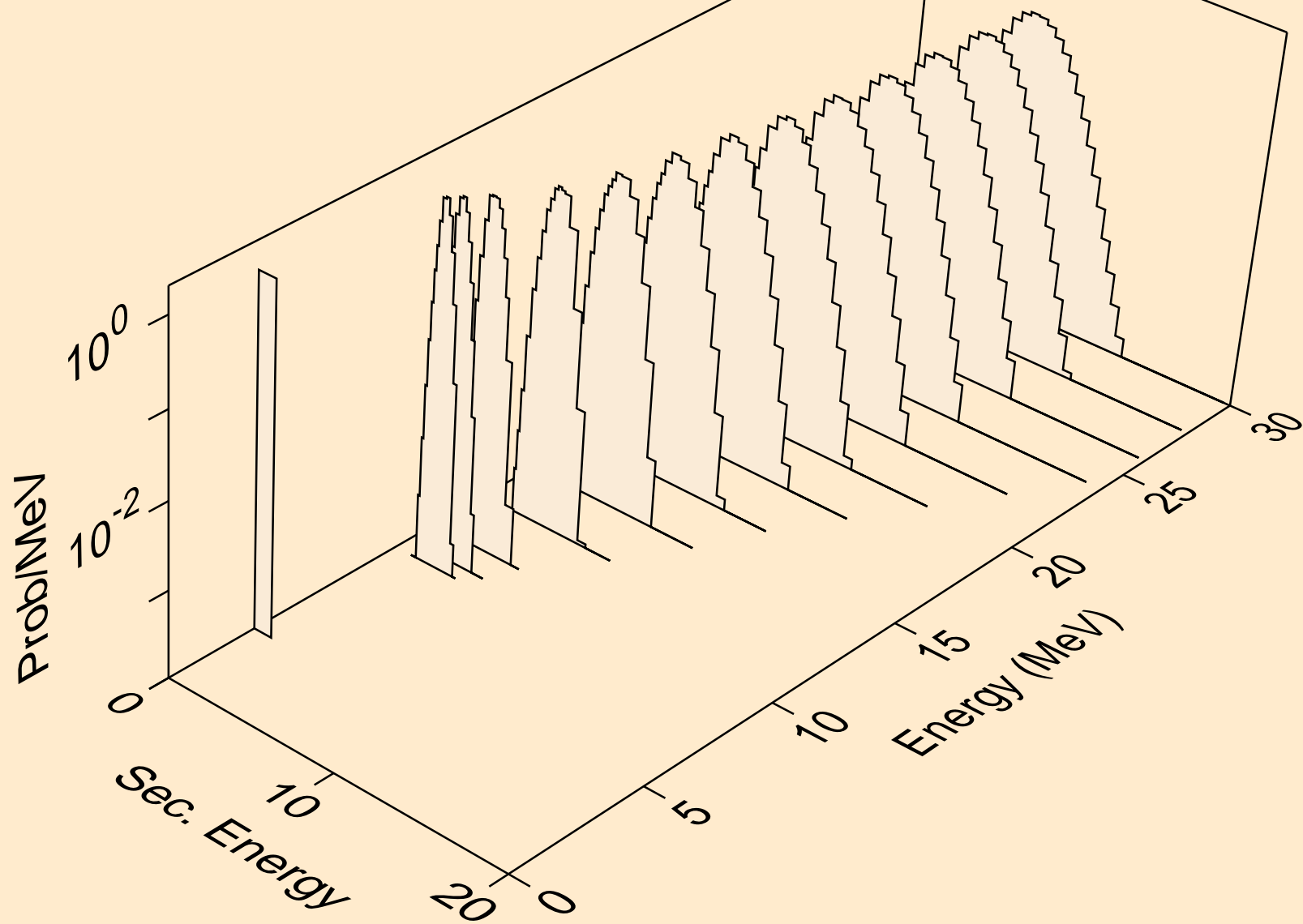
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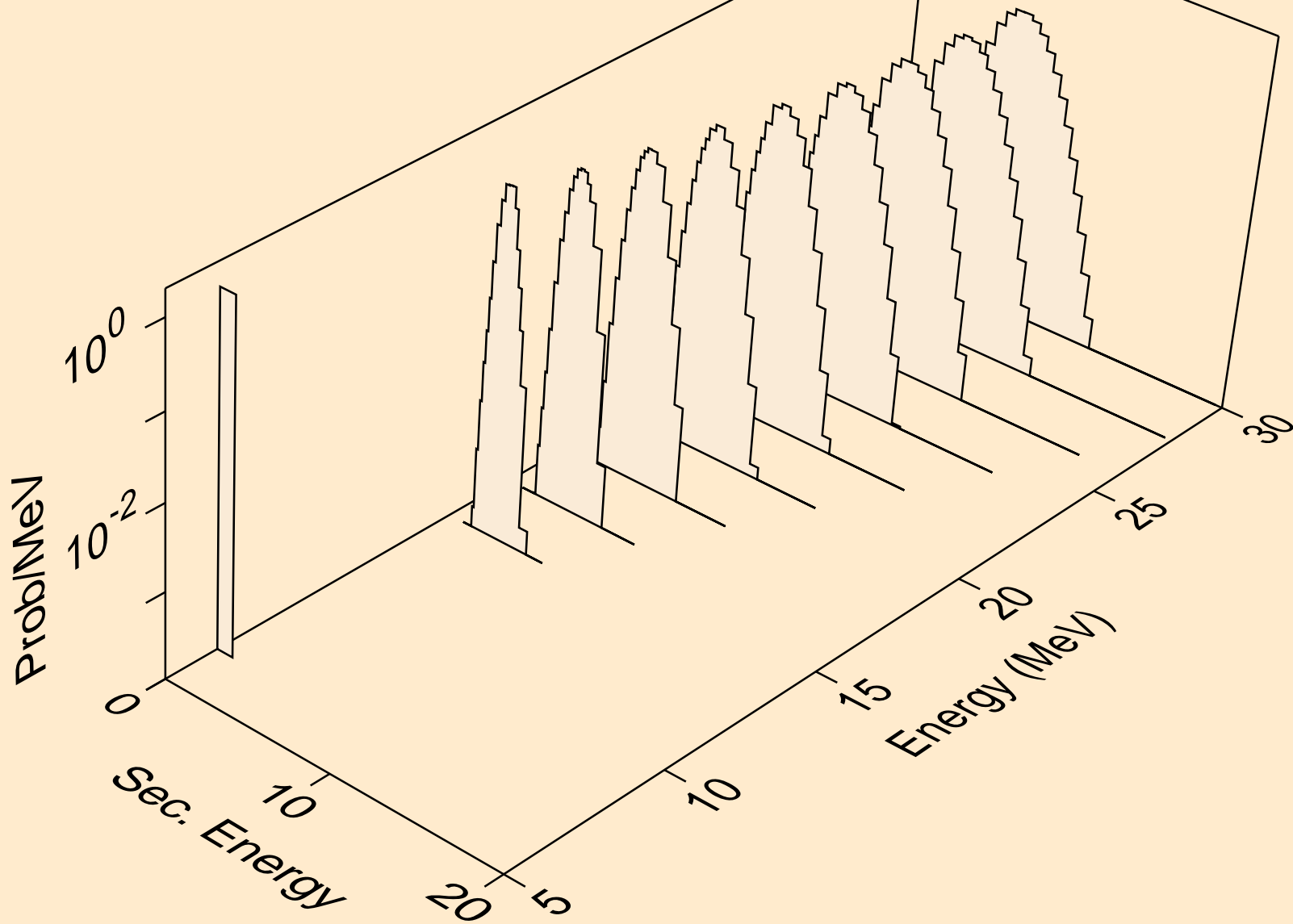
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protons from (n,p)



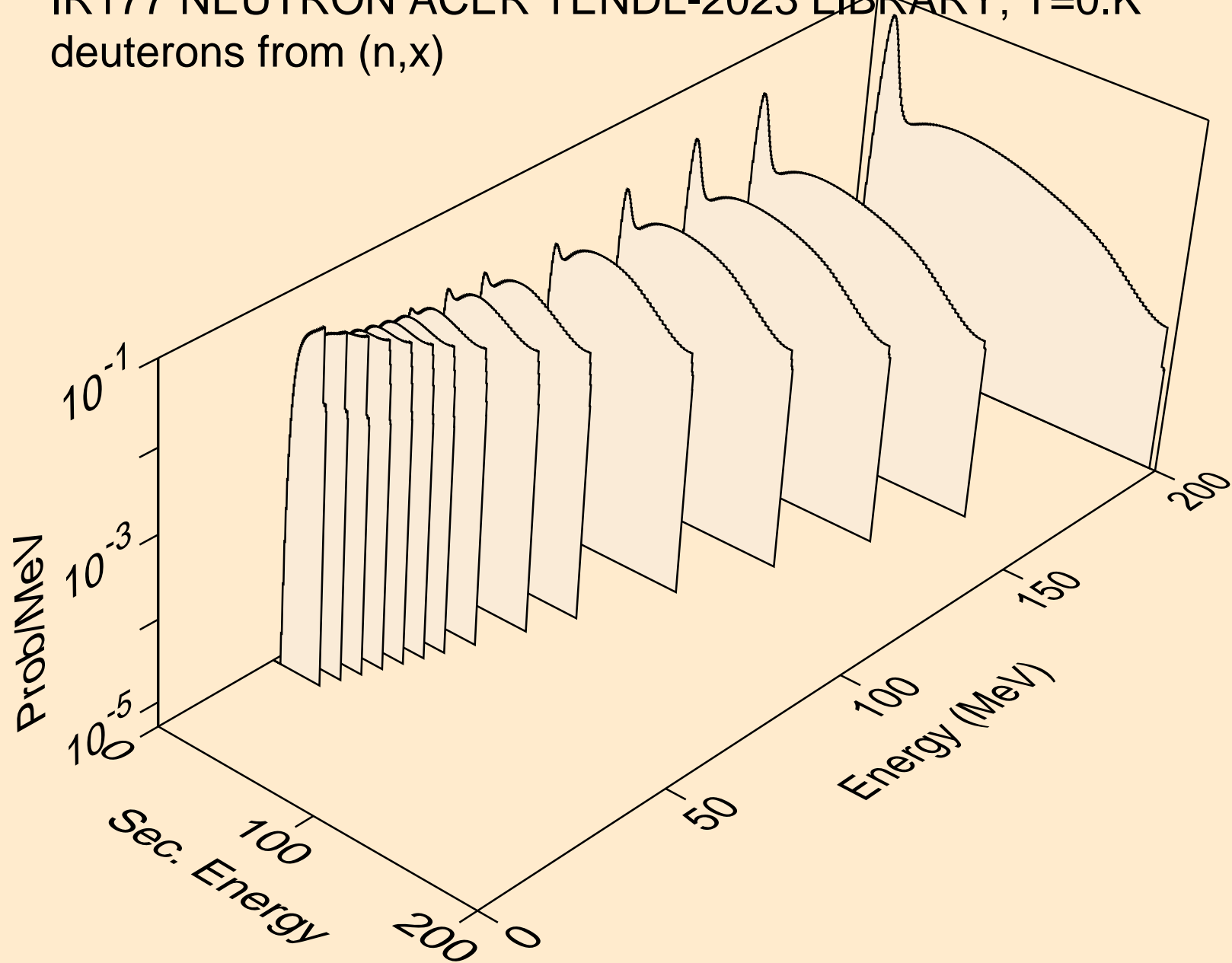
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protons from (n,pd)



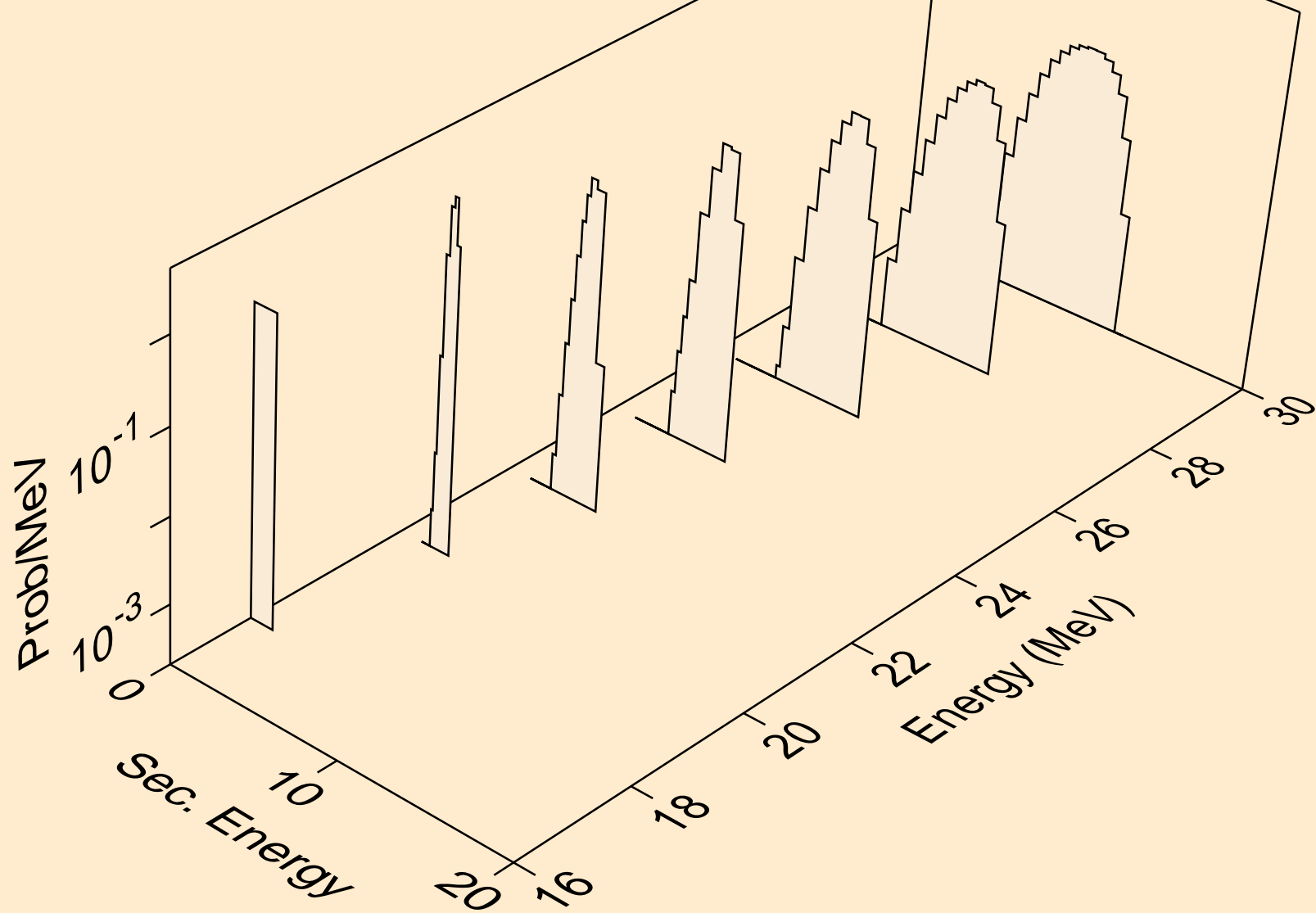
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protons from (n,pt)



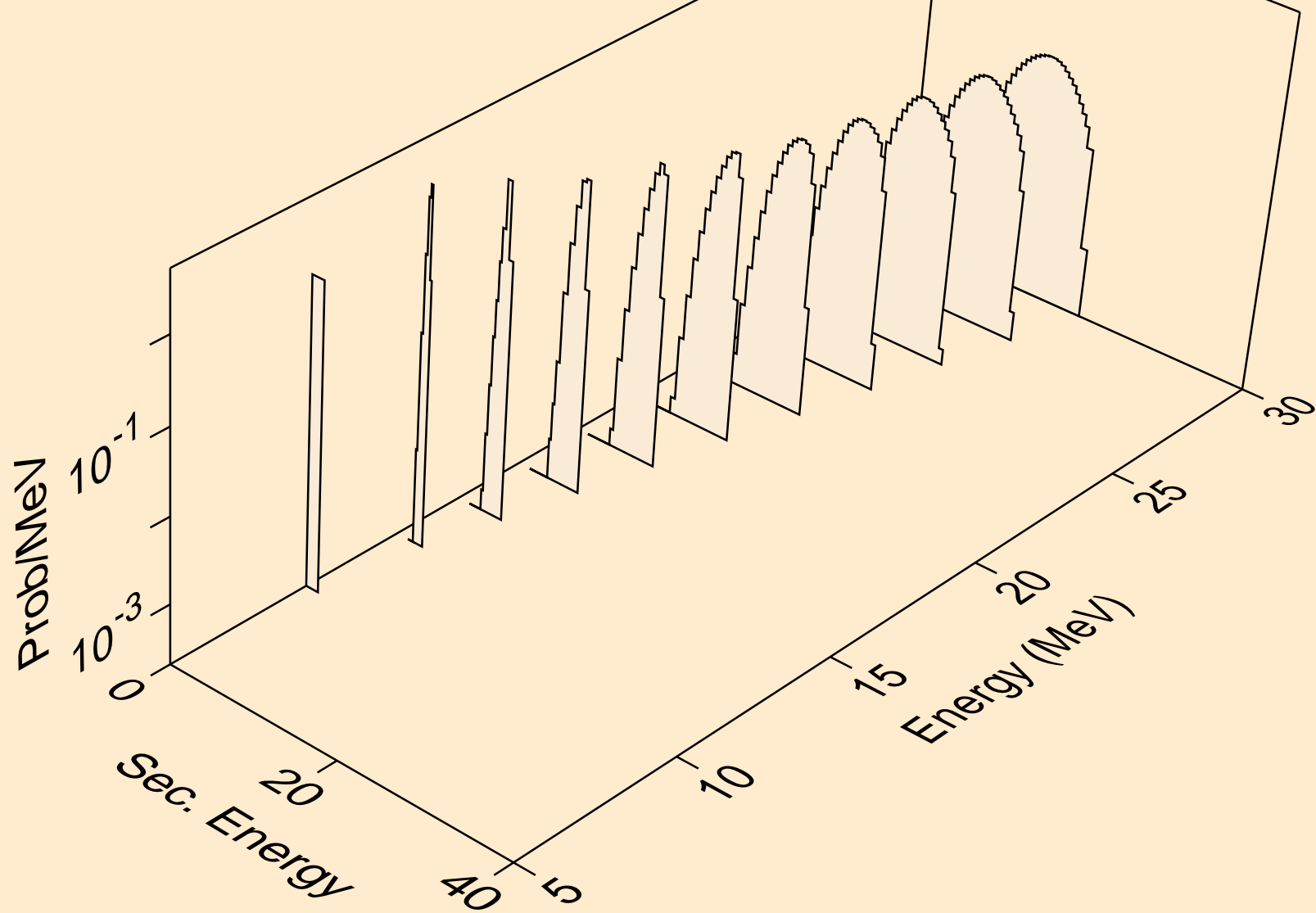
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



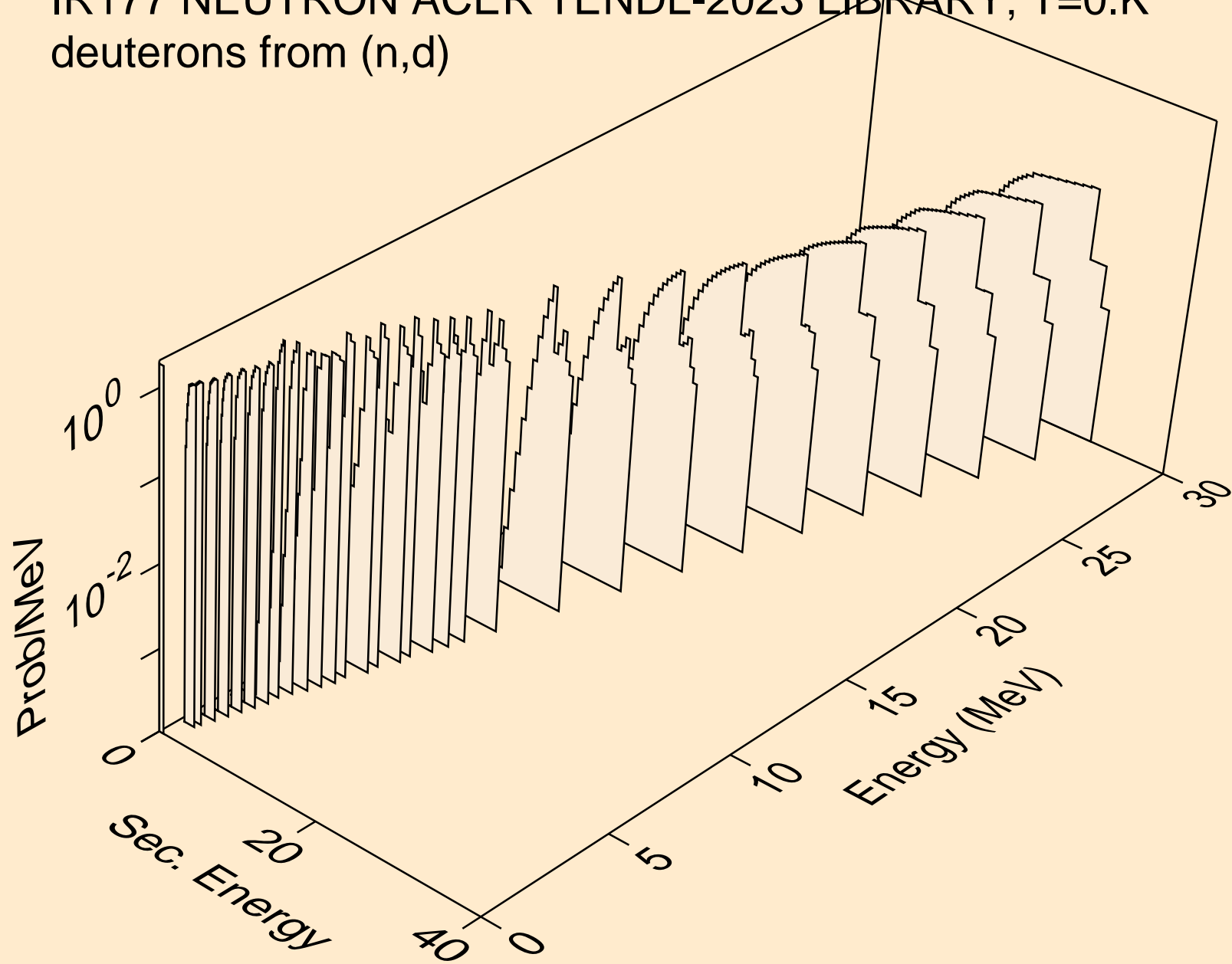
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deuterons from (n,2nd)



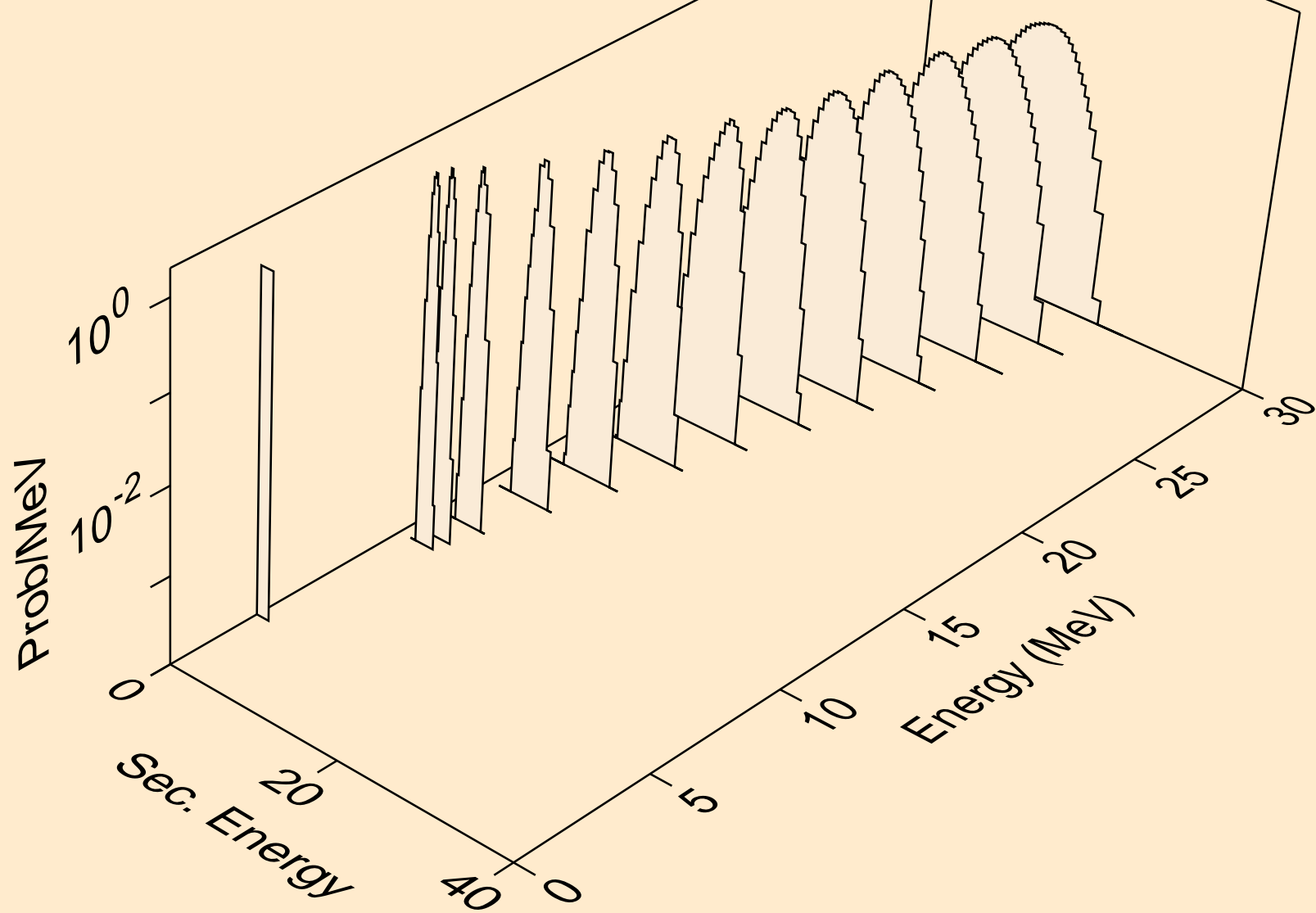
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



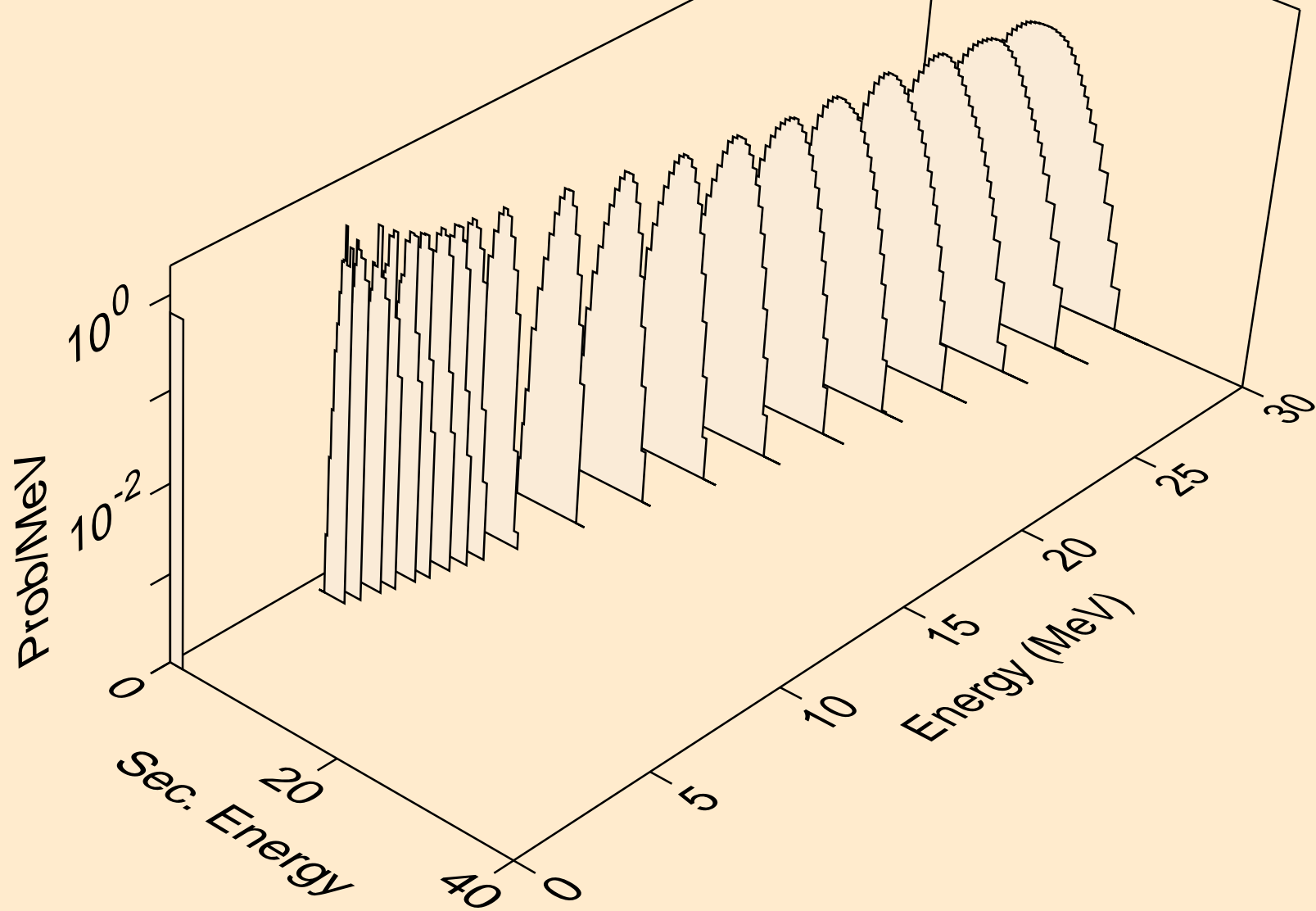
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deuterons from (n,d)



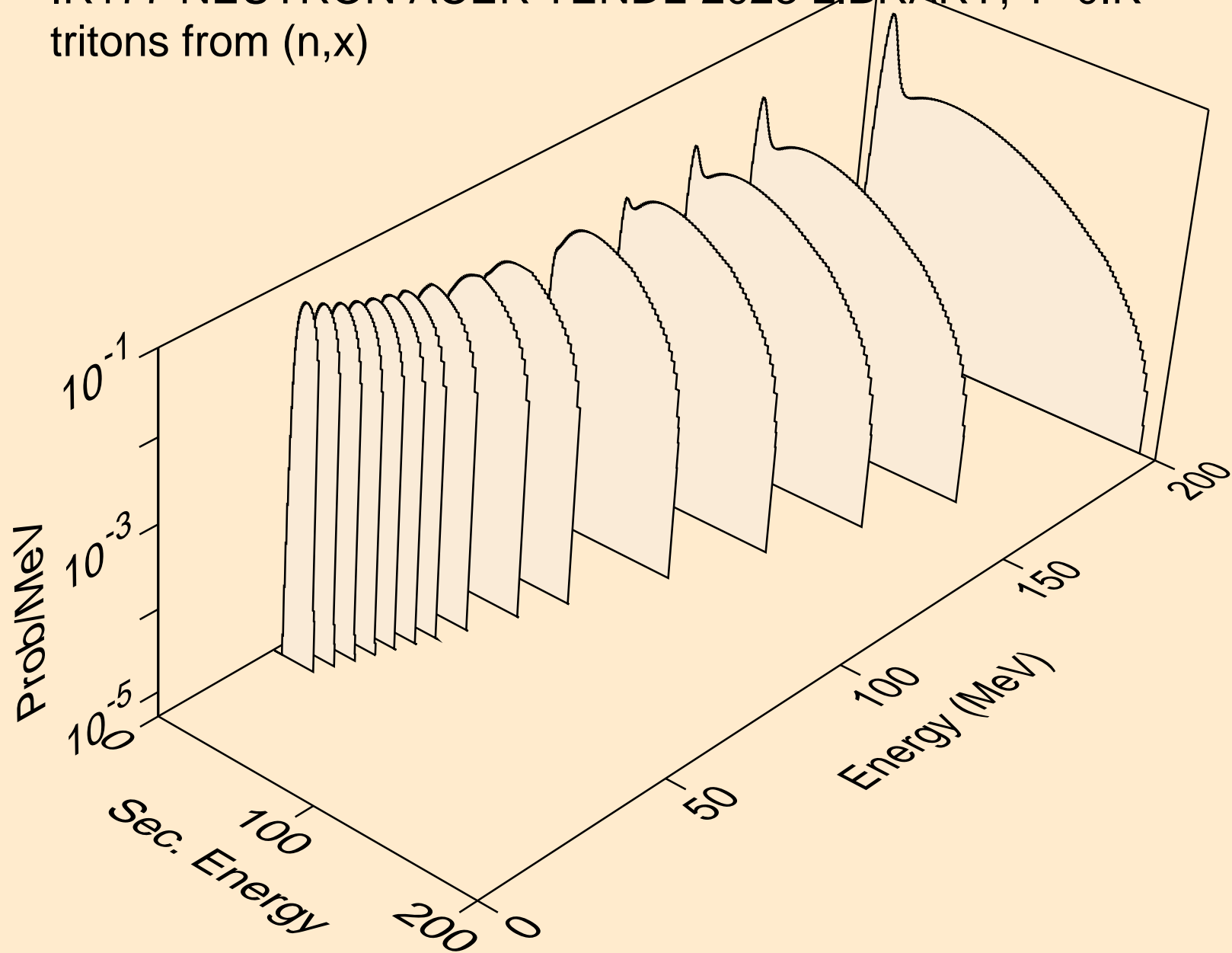
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deuterons from (n,pd)



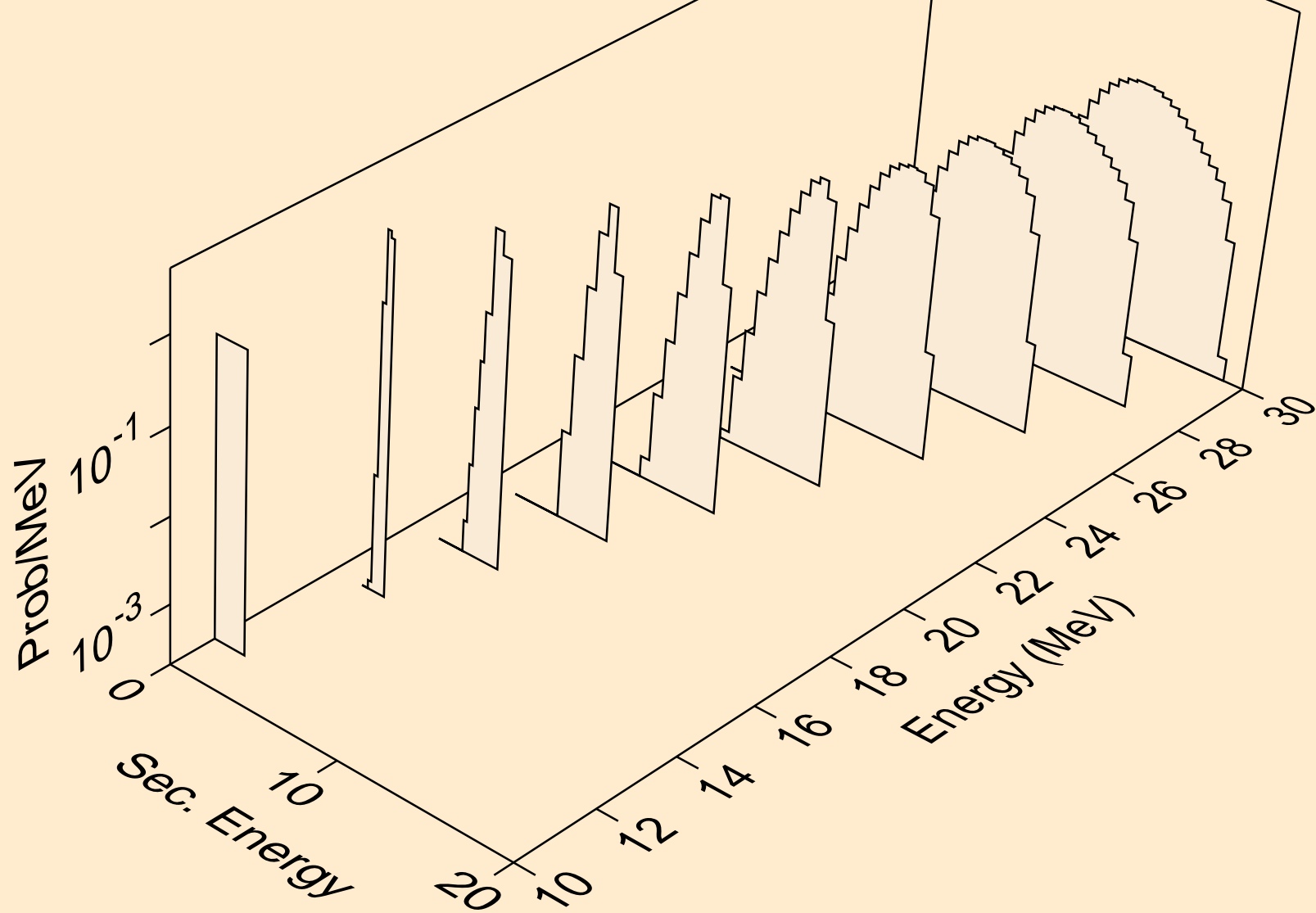
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deuterons from (n,da)



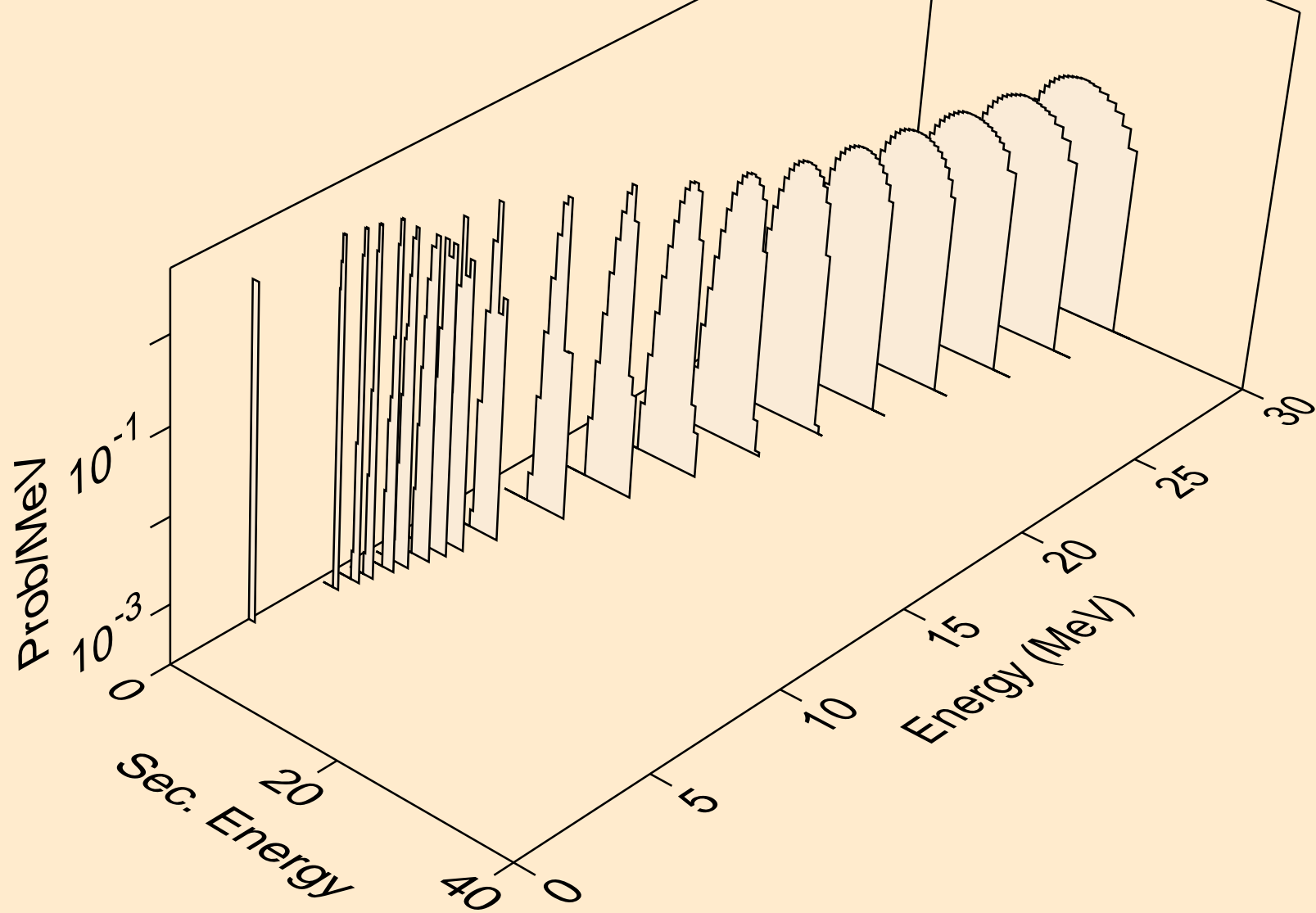
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tritons from (n,x)



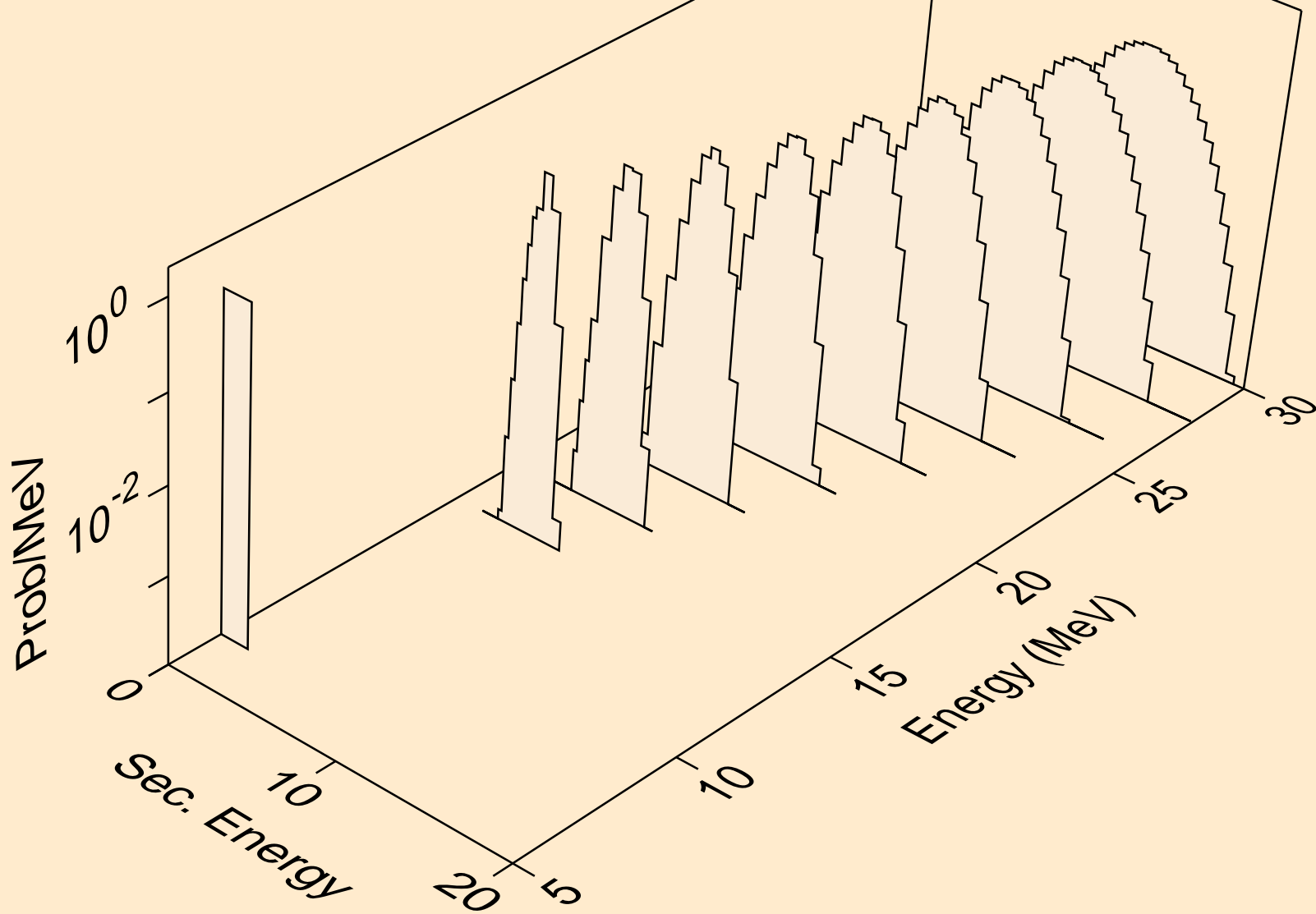
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



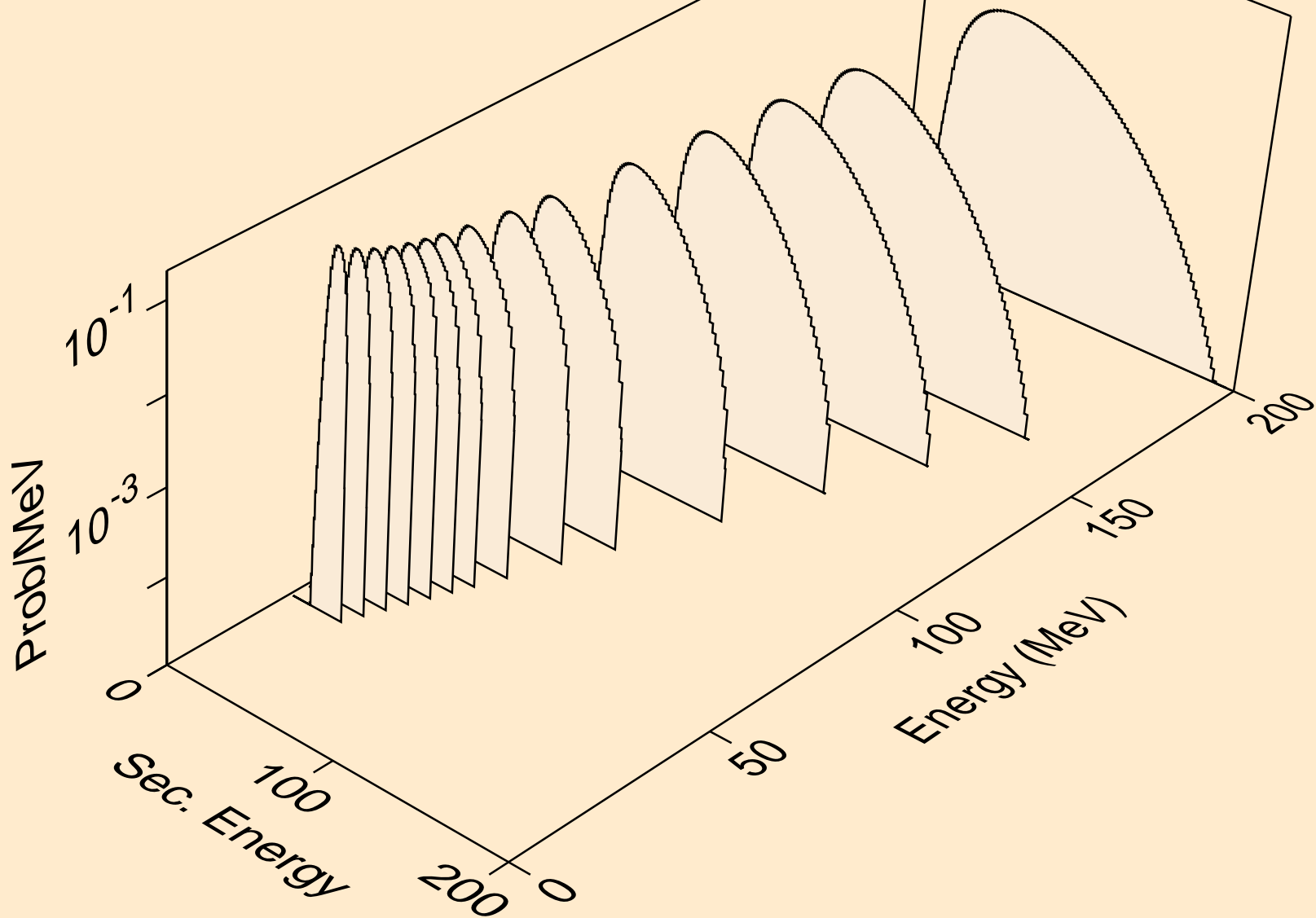
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tritons from (n,t)



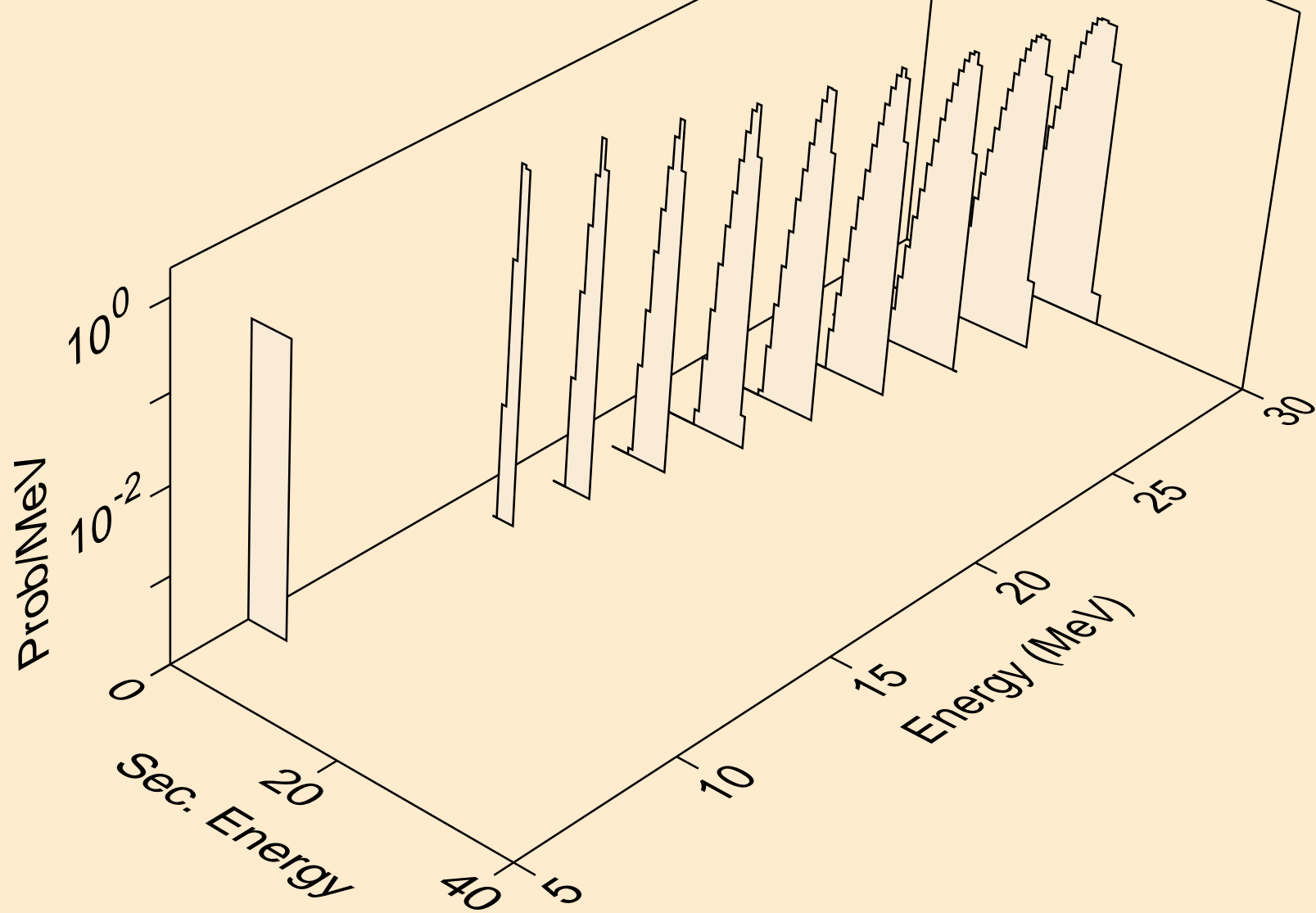
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tritons from (n,pt)



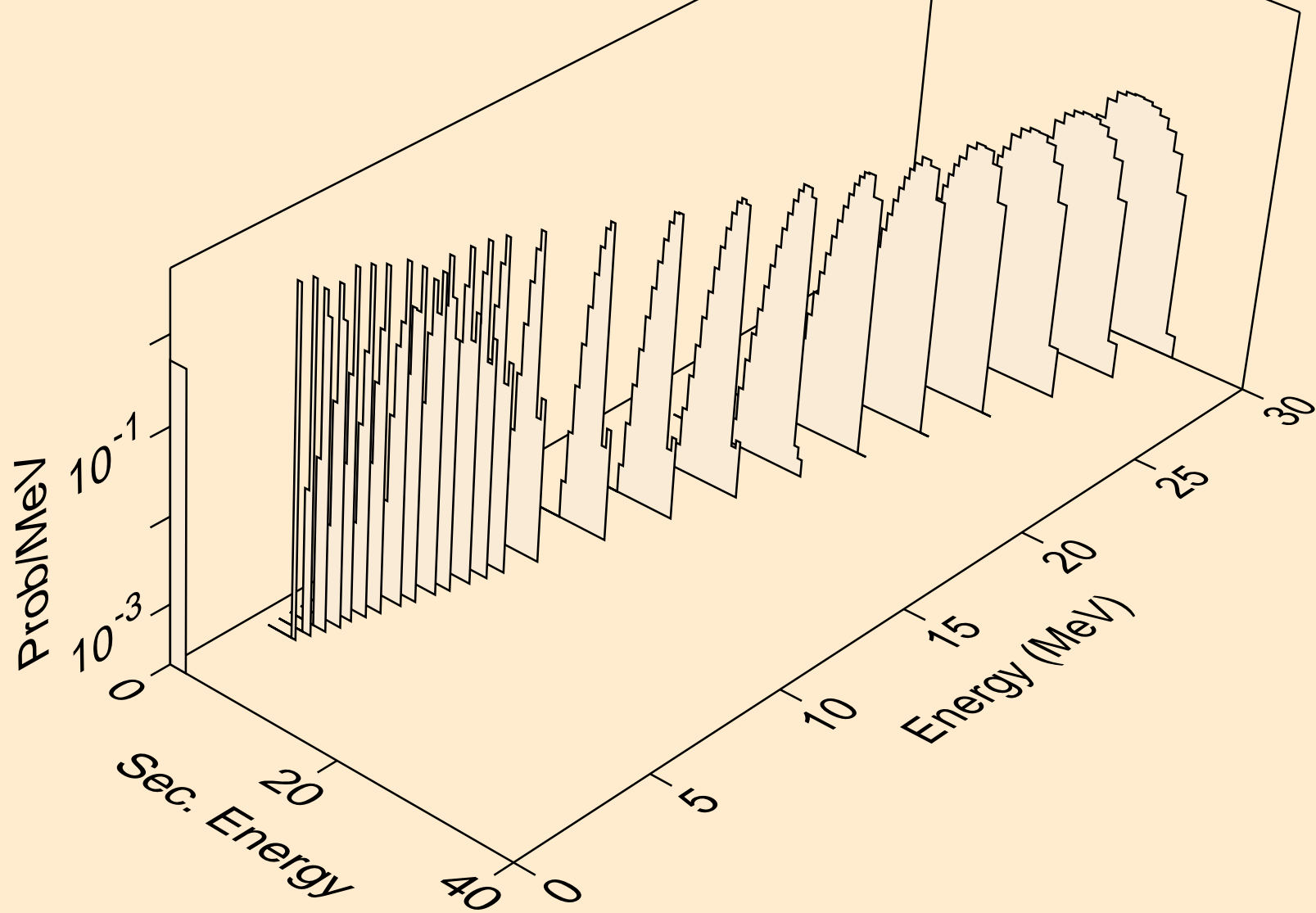
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he3s from (n,x)



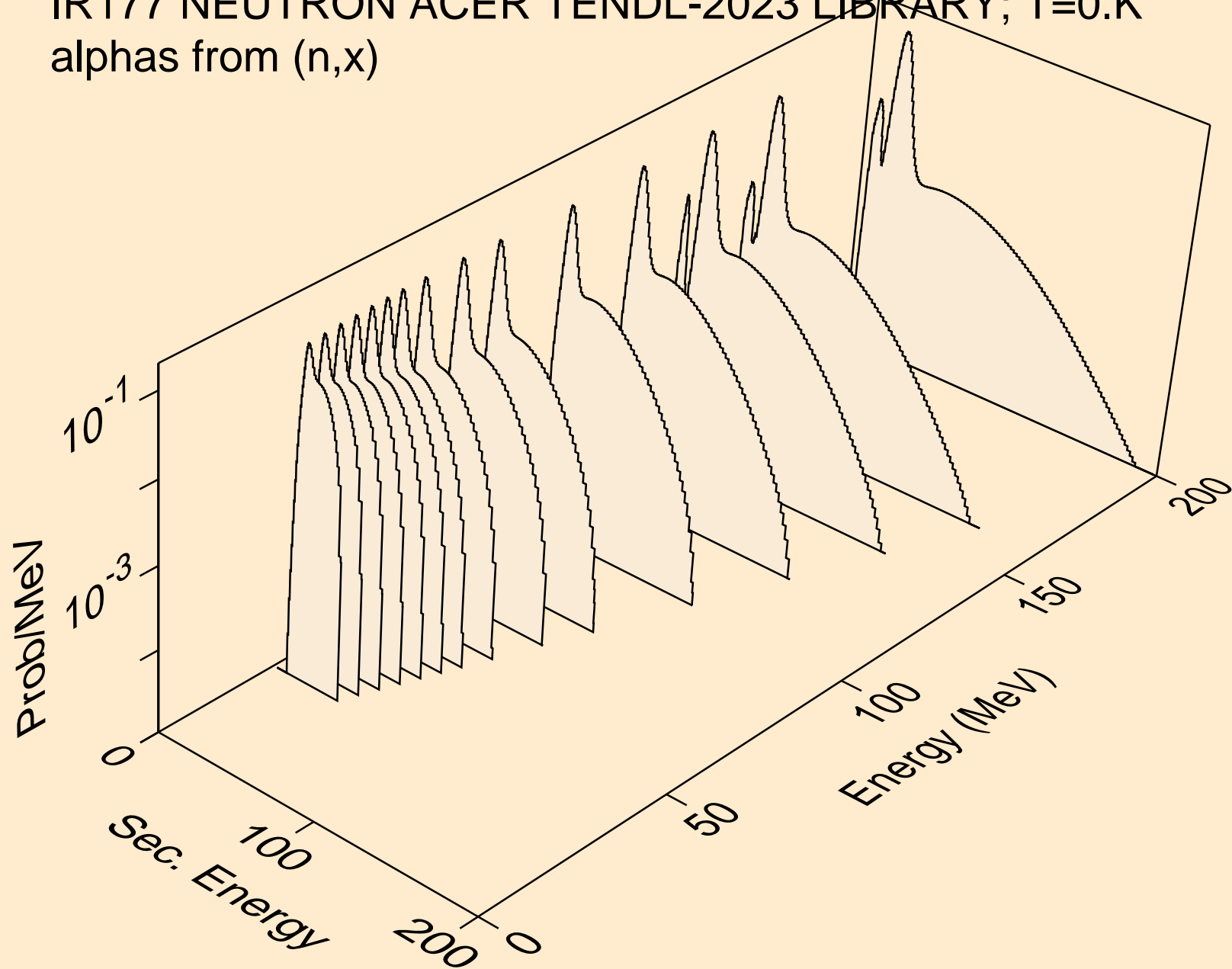
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he3s from (n,n*)he3



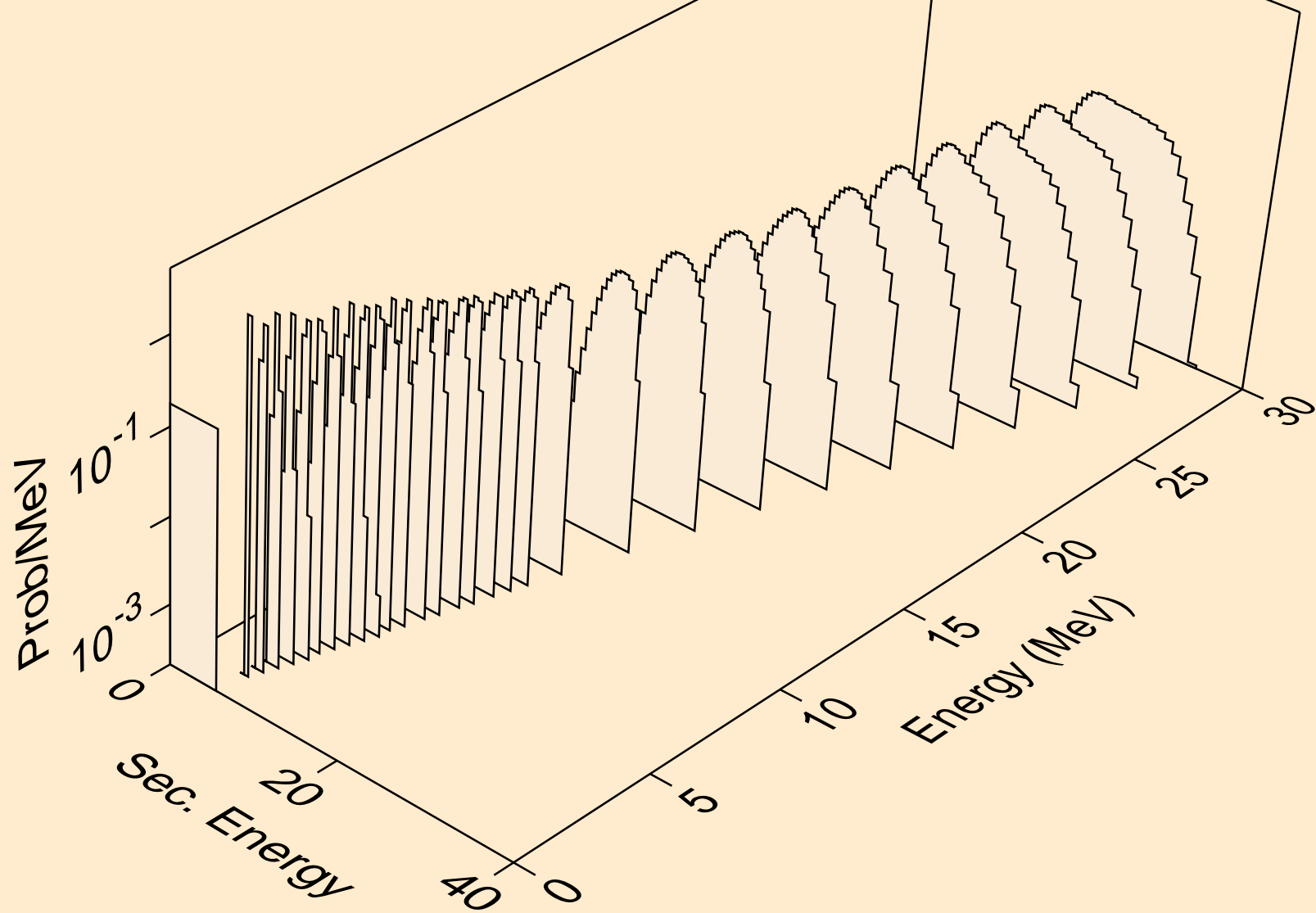
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he3s from (n,he3)



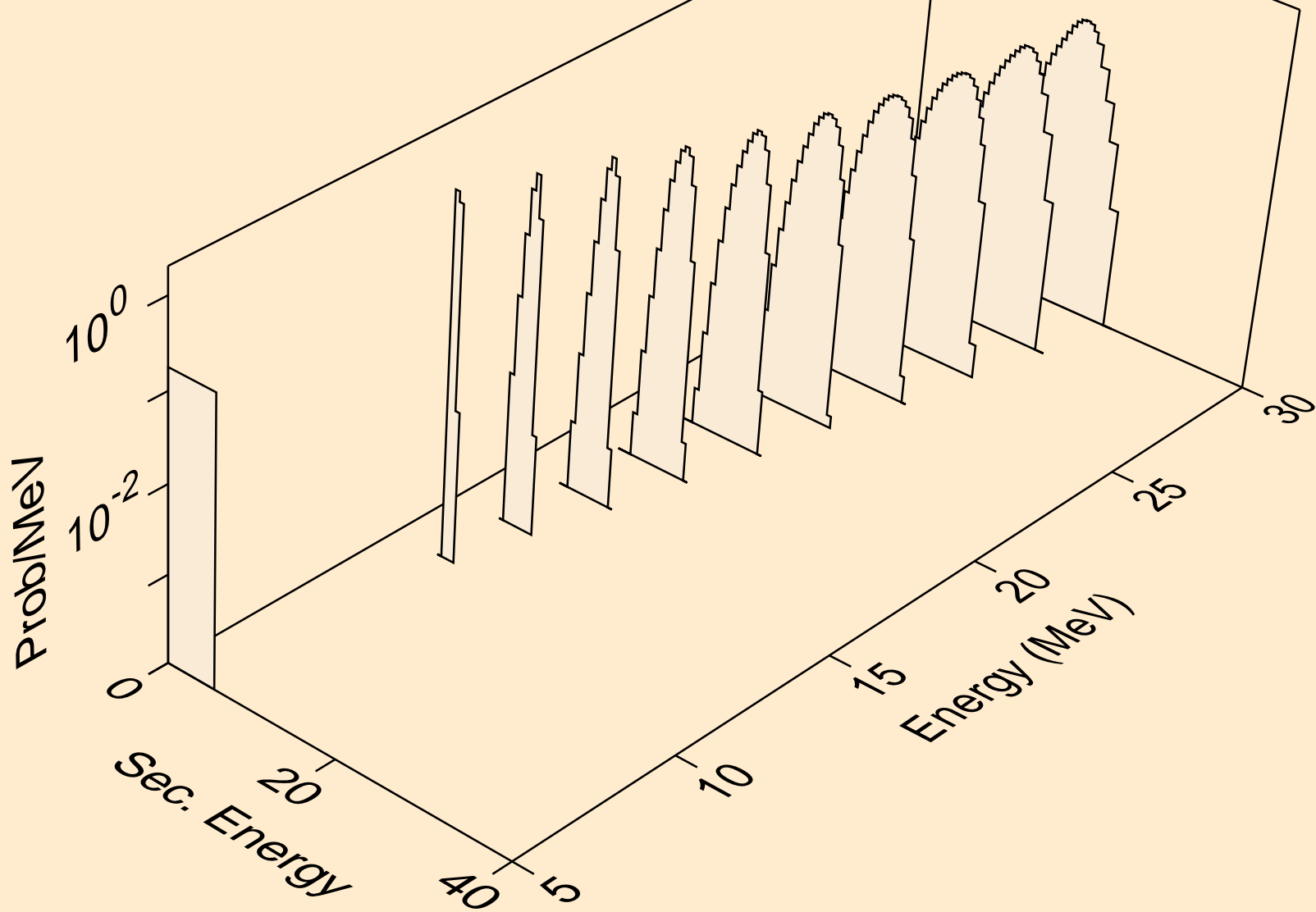
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



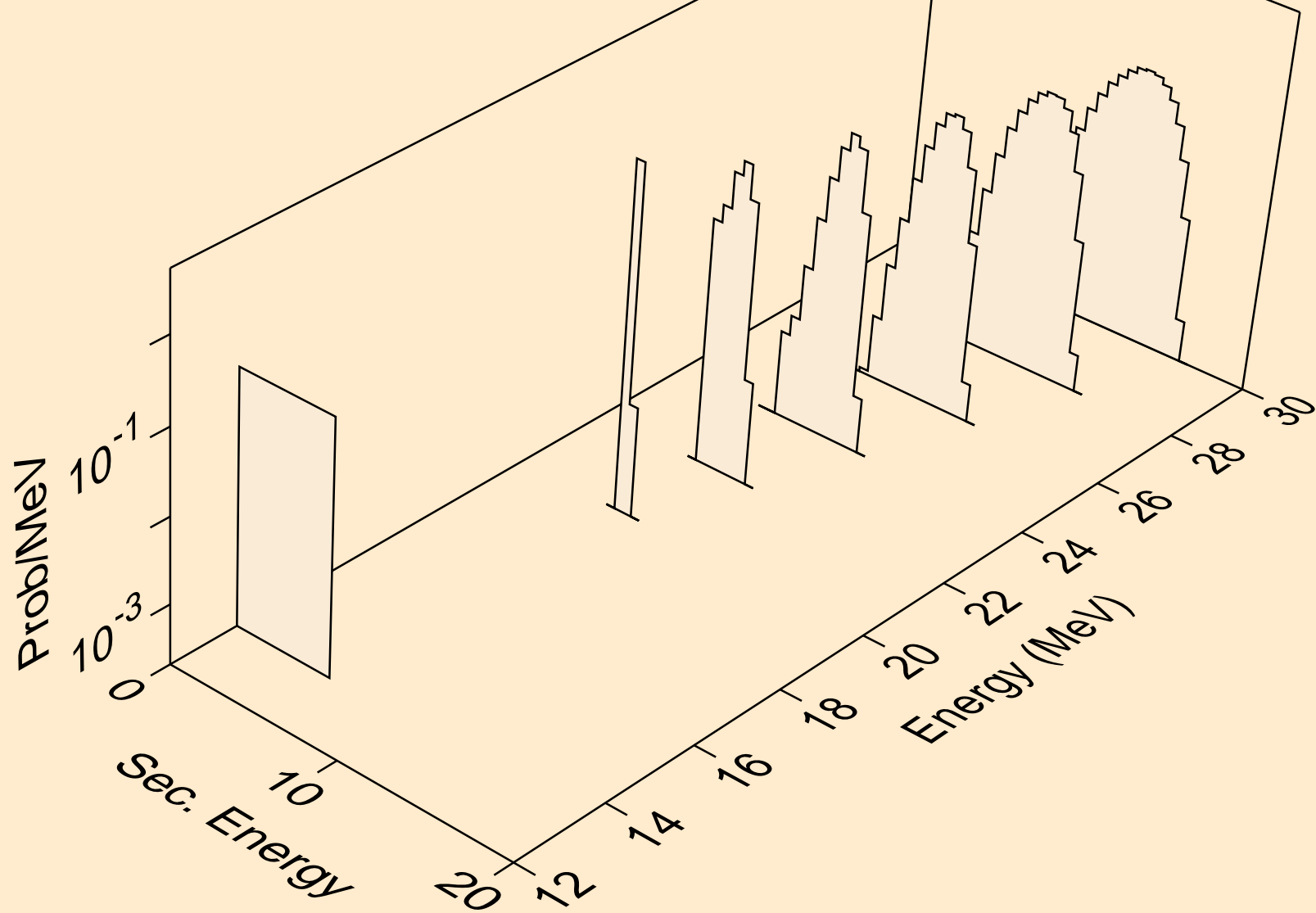
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



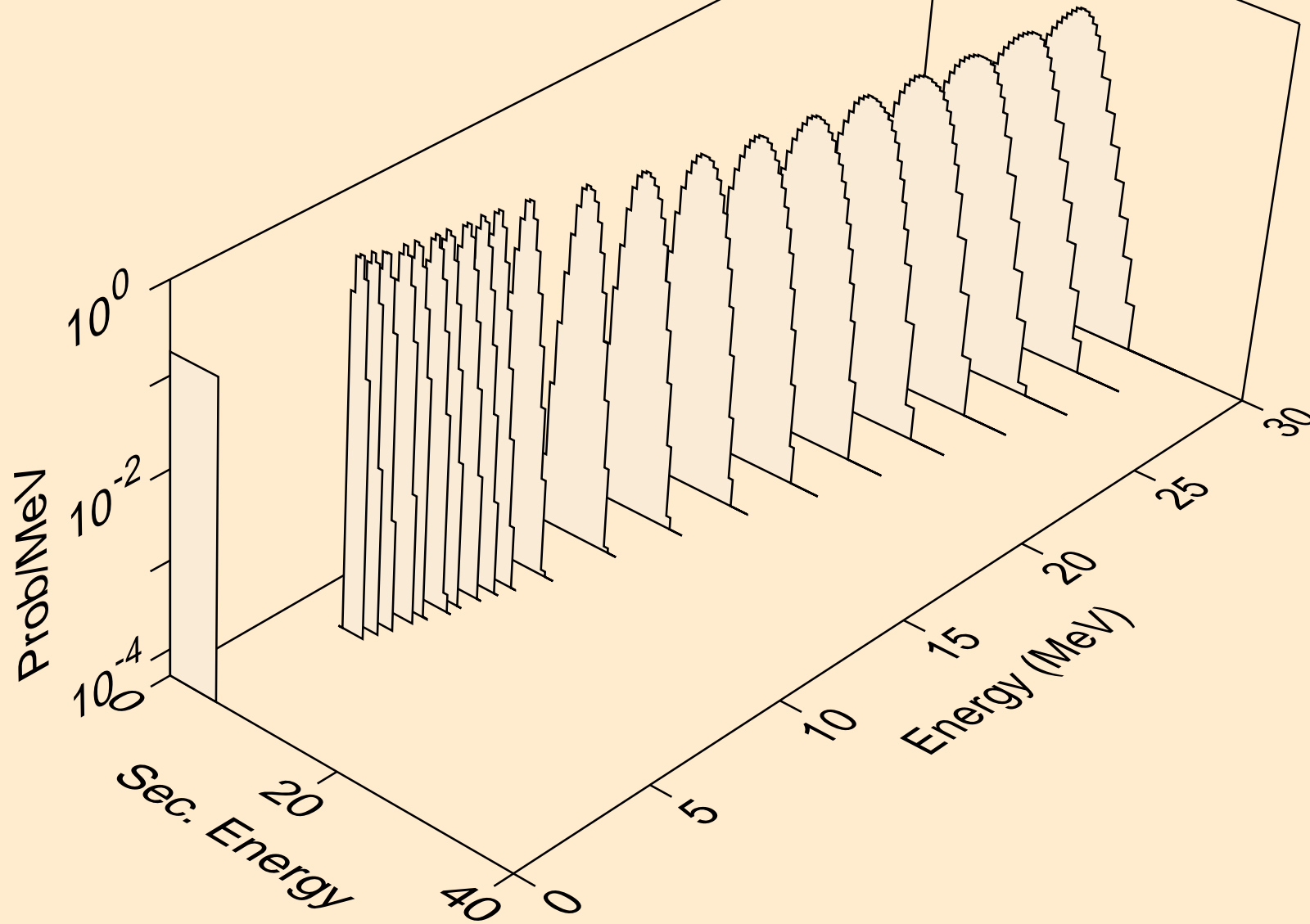
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alphas from (n,2n)a



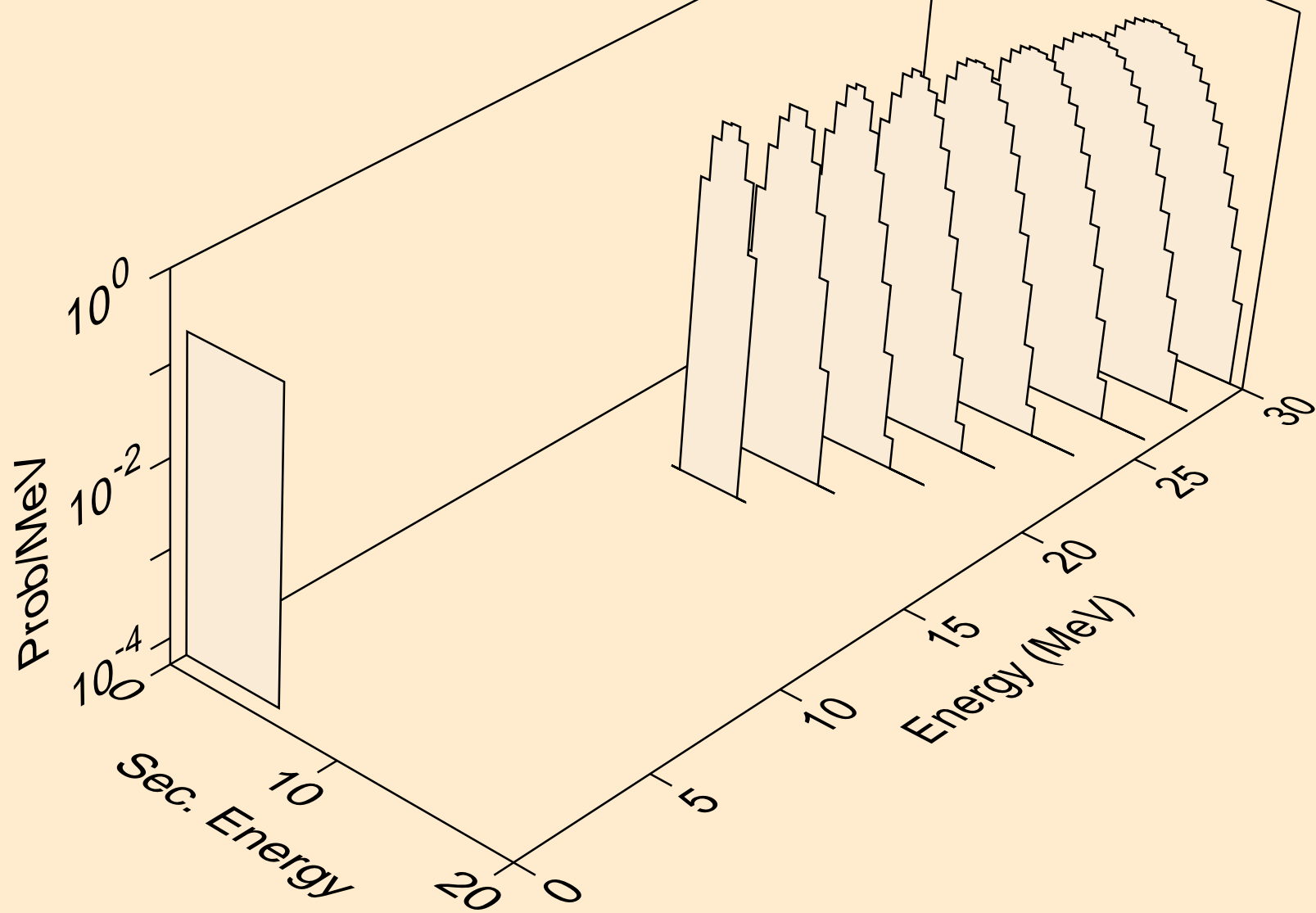
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alphas from (n,3n)a



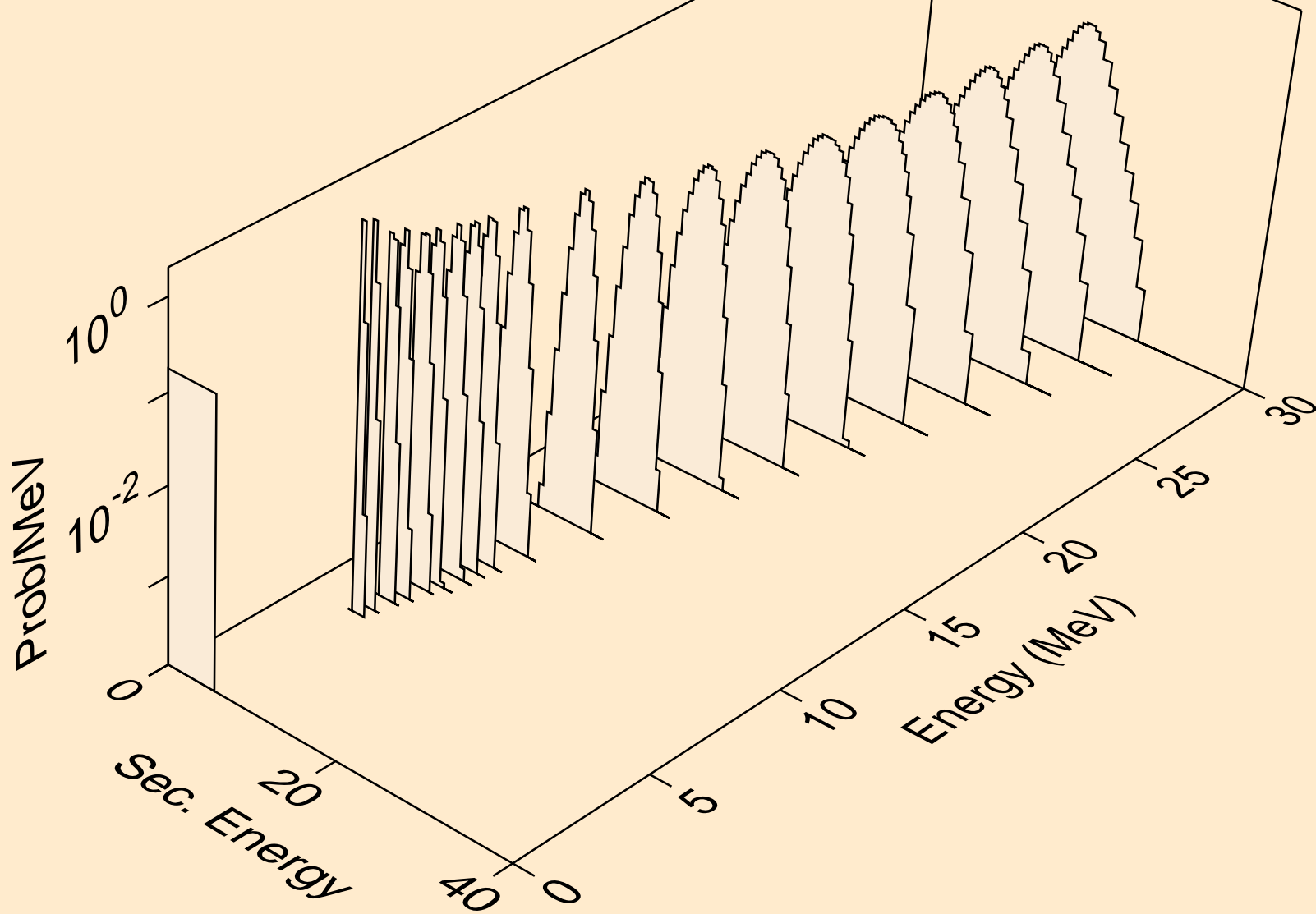
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



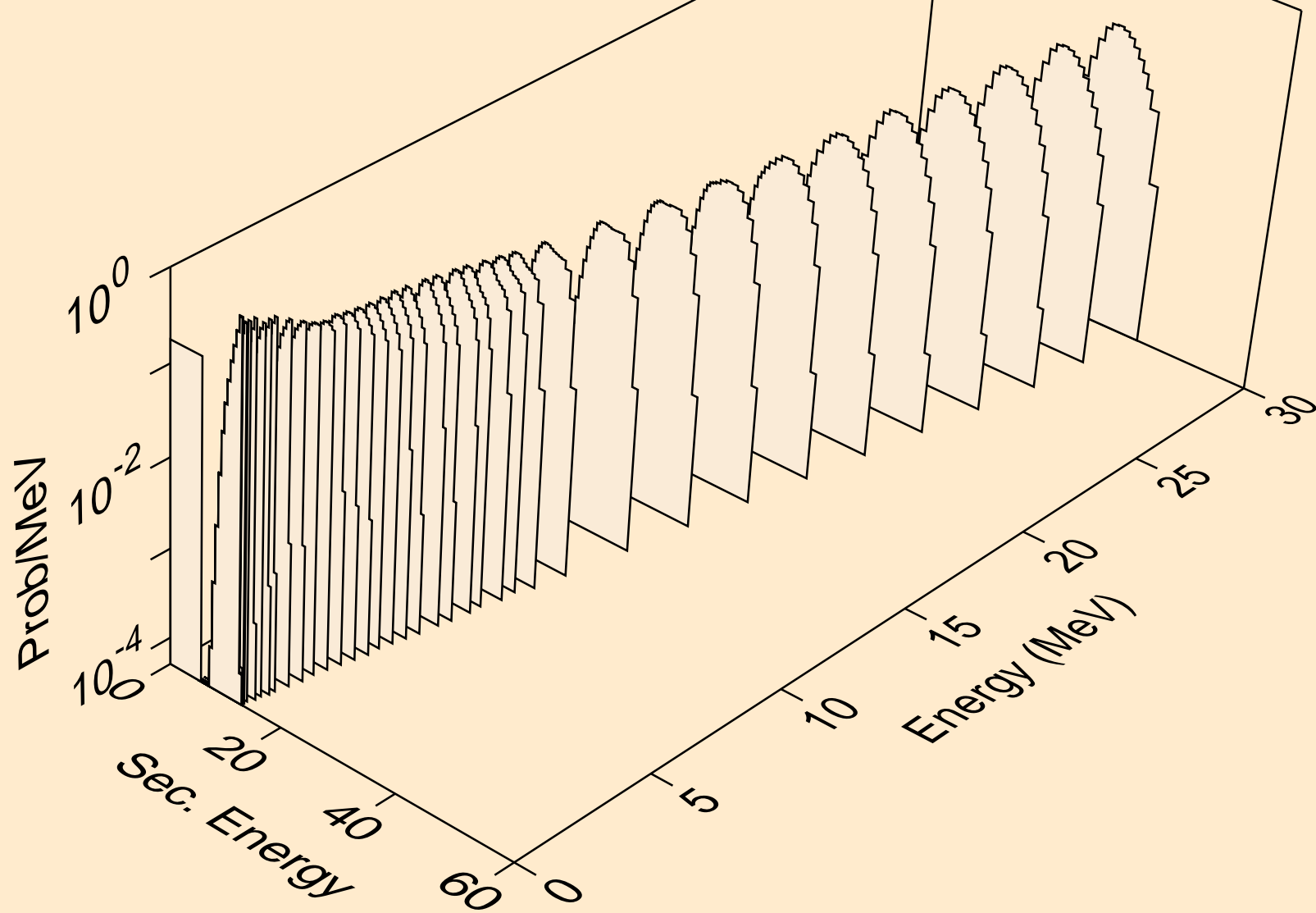
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



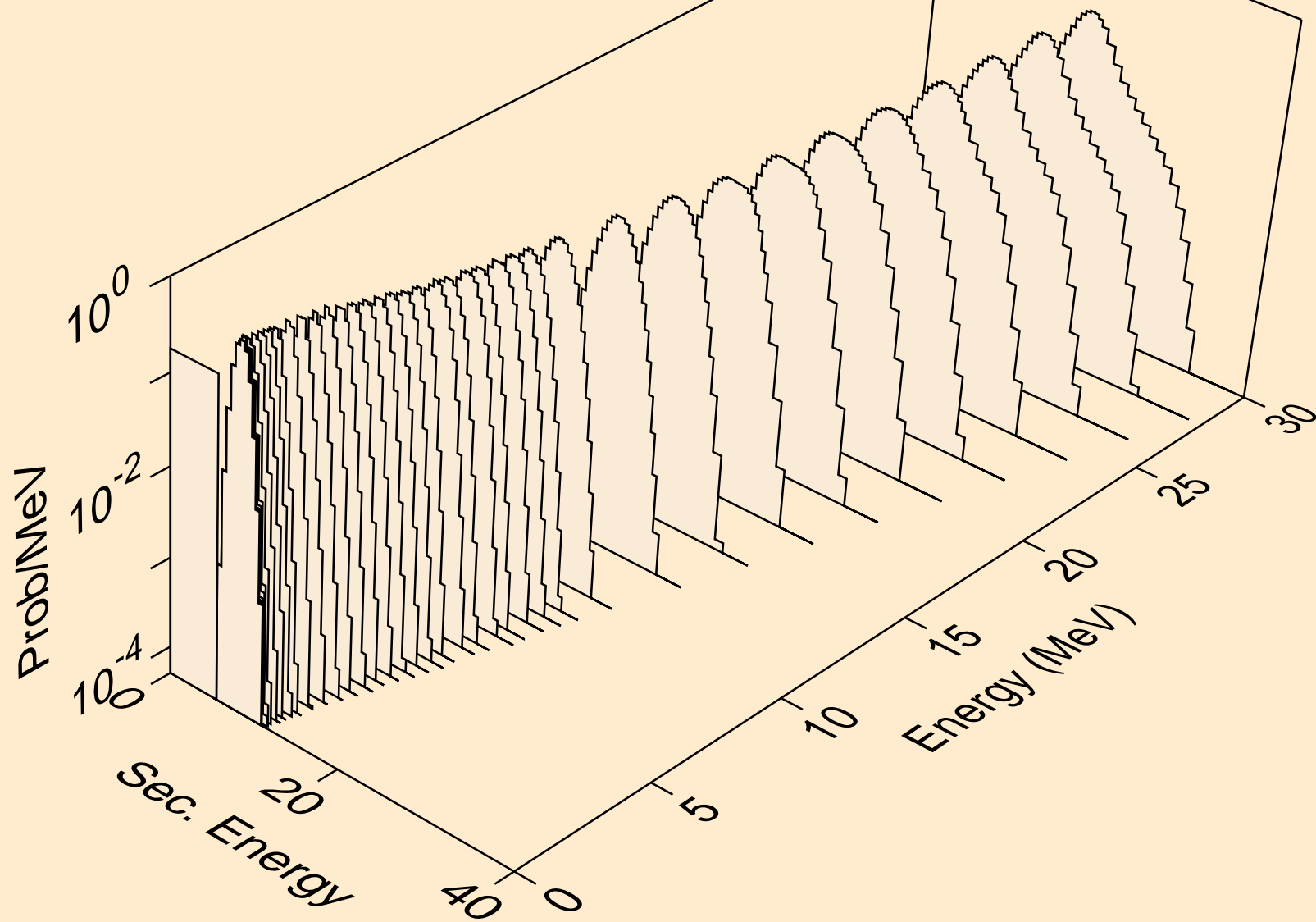
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alphas from (n,npa)



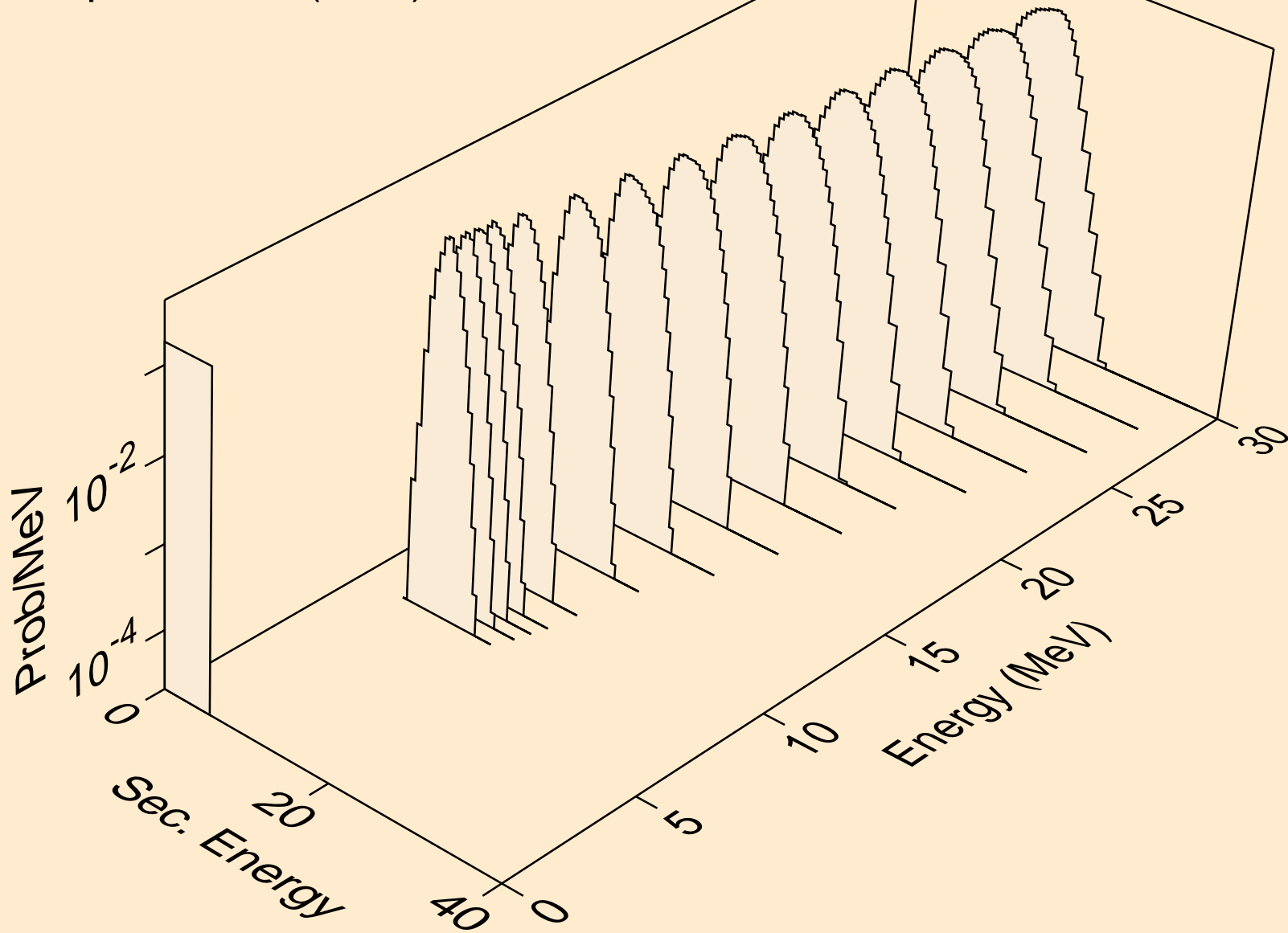
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alphas from (n,a)



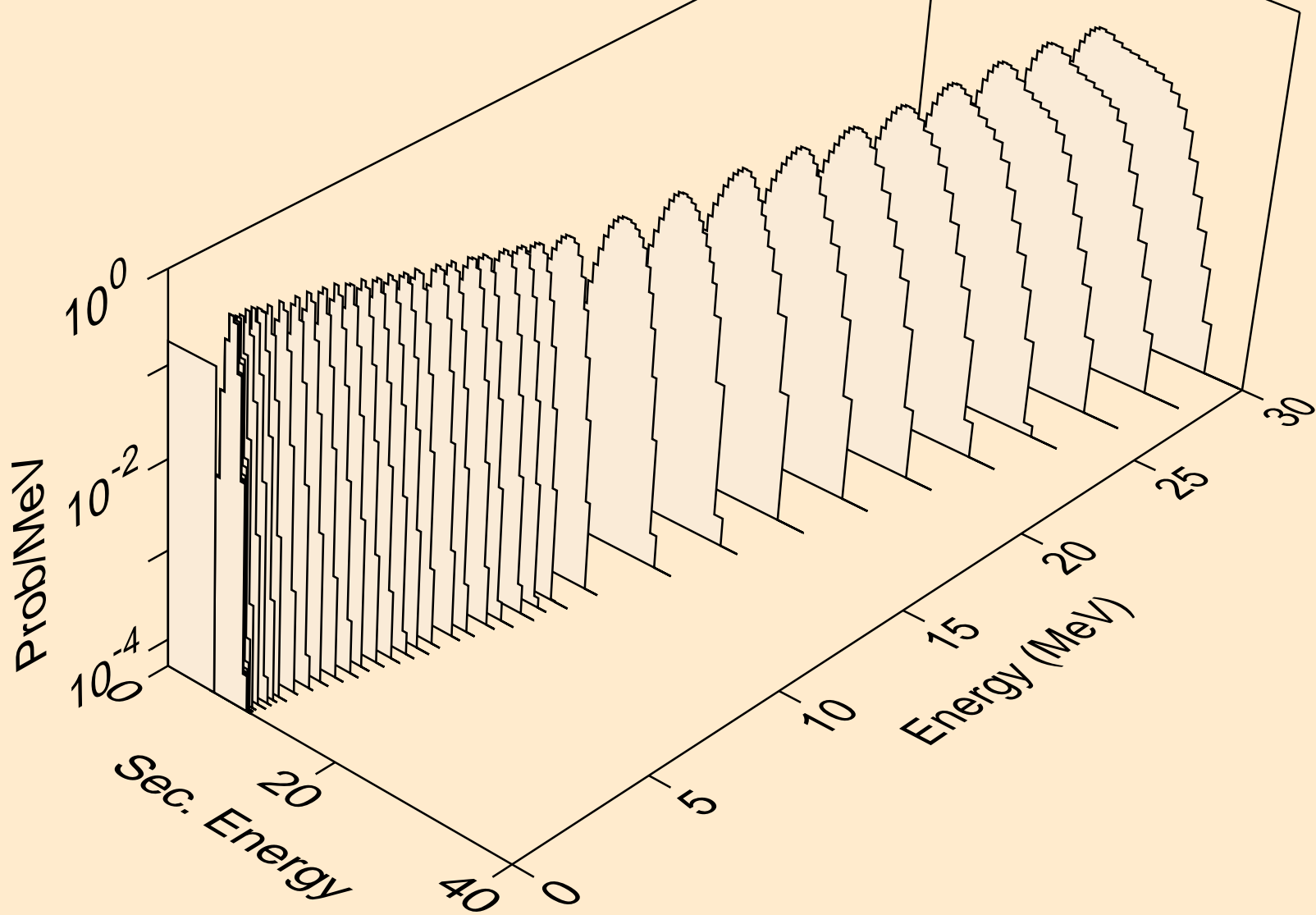
IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3a)



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



IR177 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

