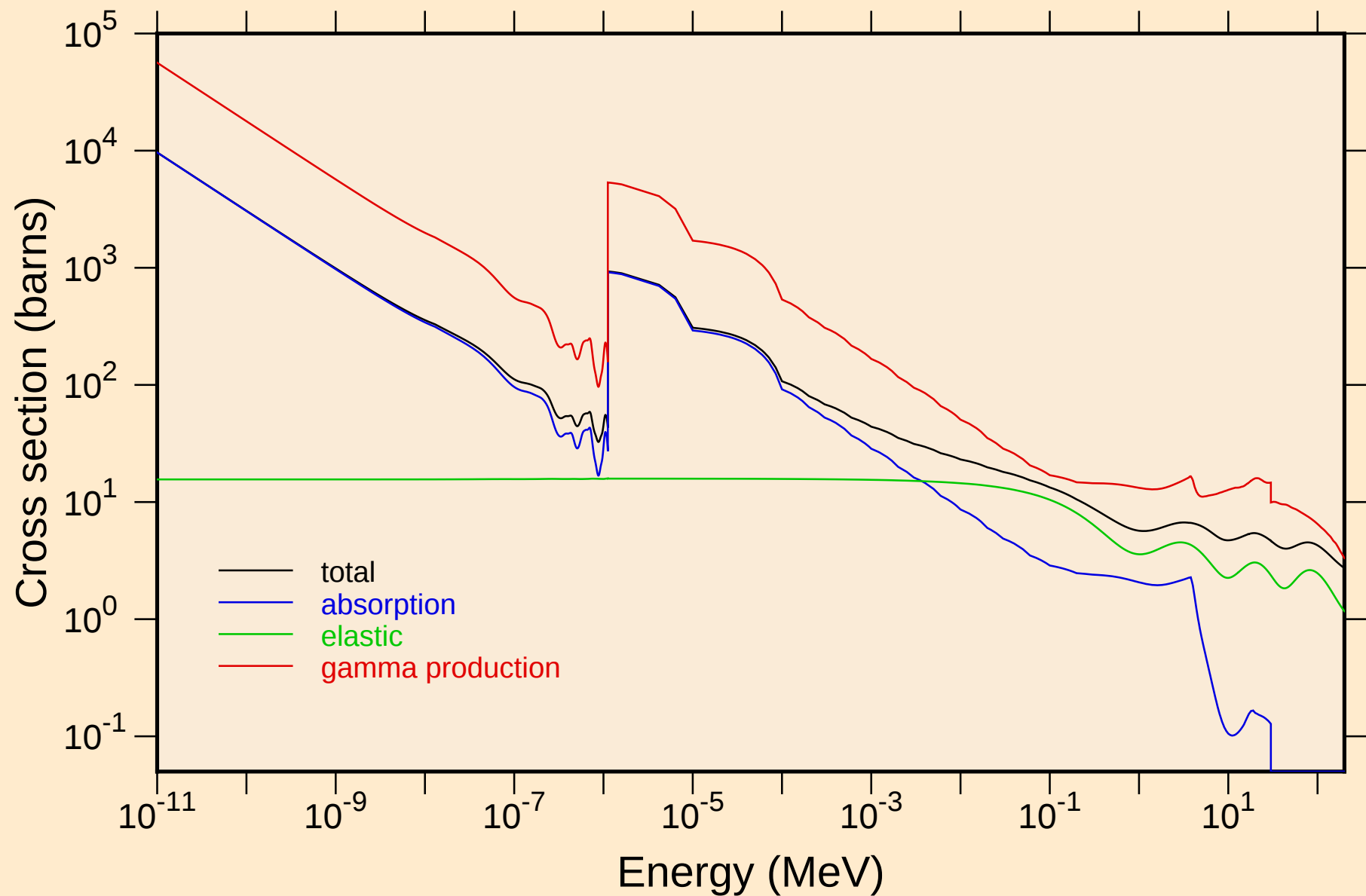


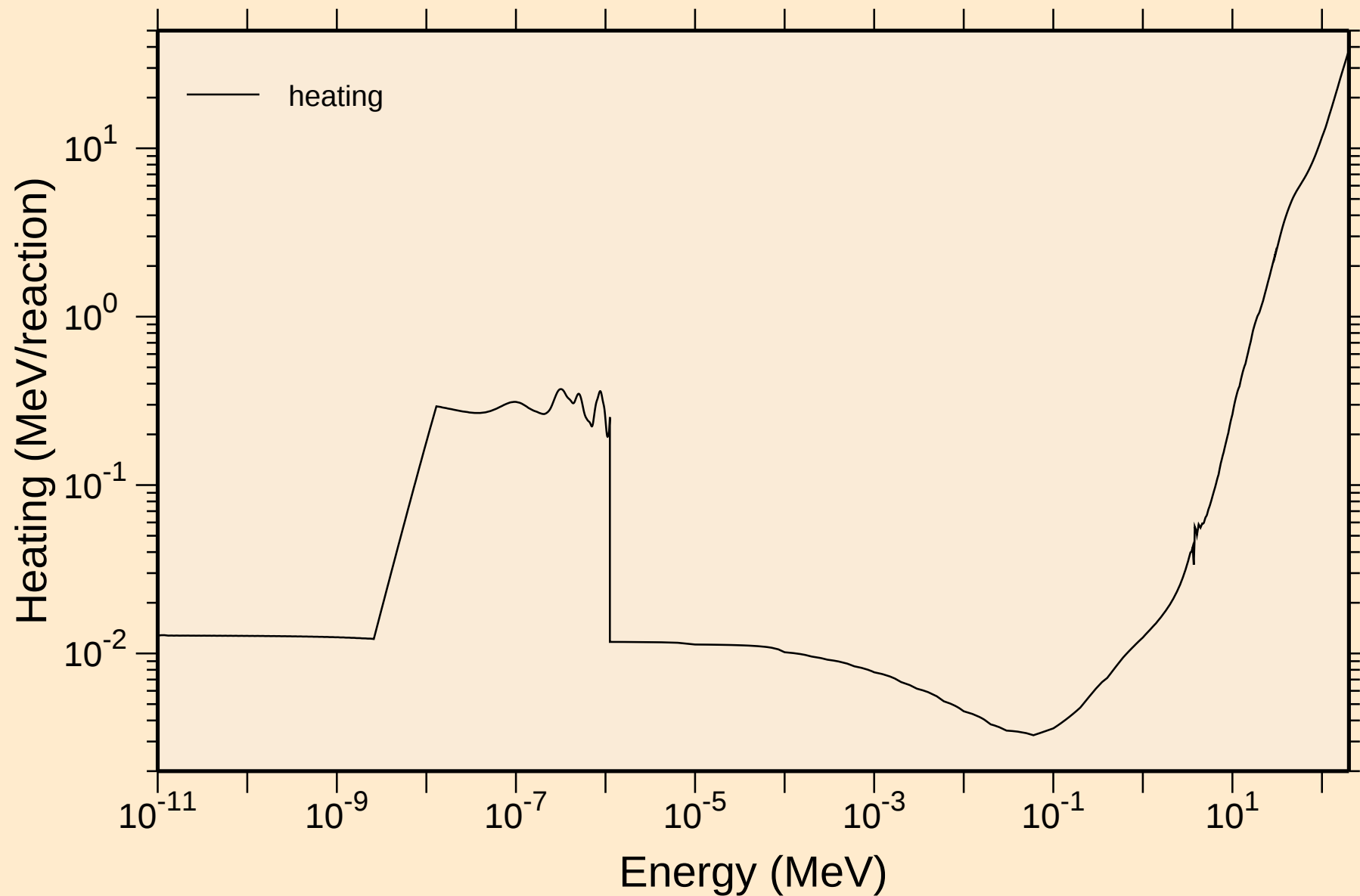
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



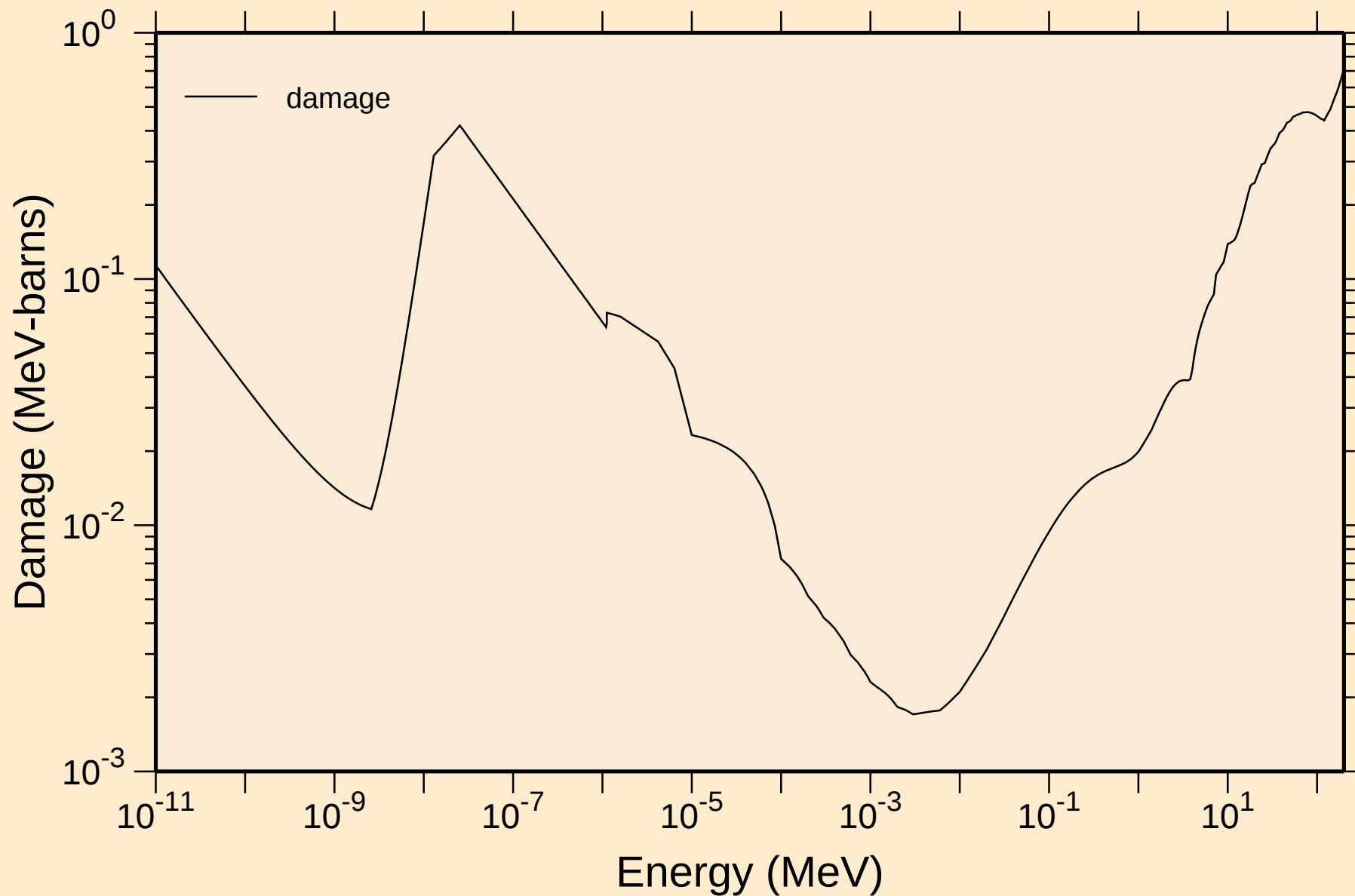
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



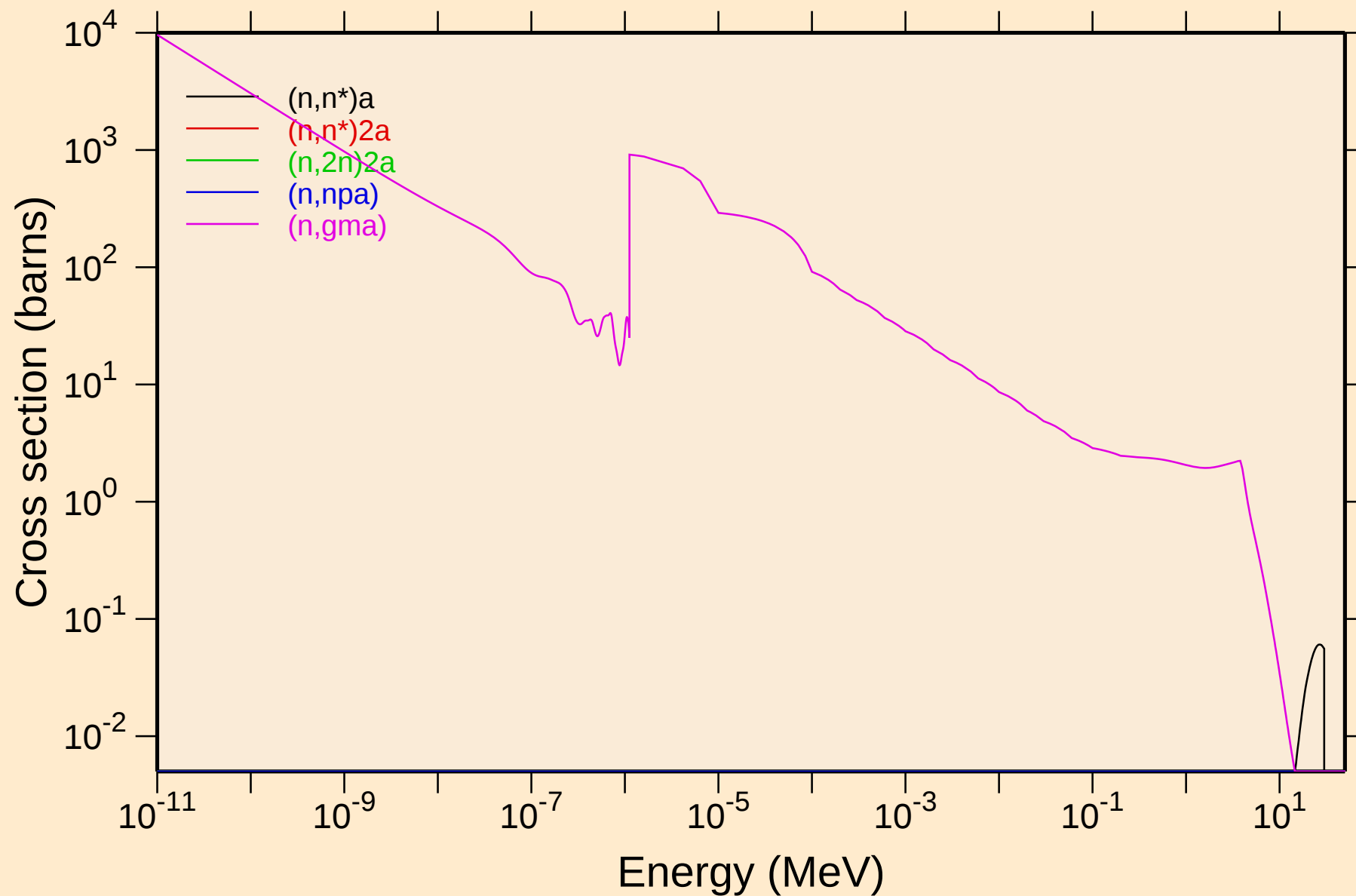
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

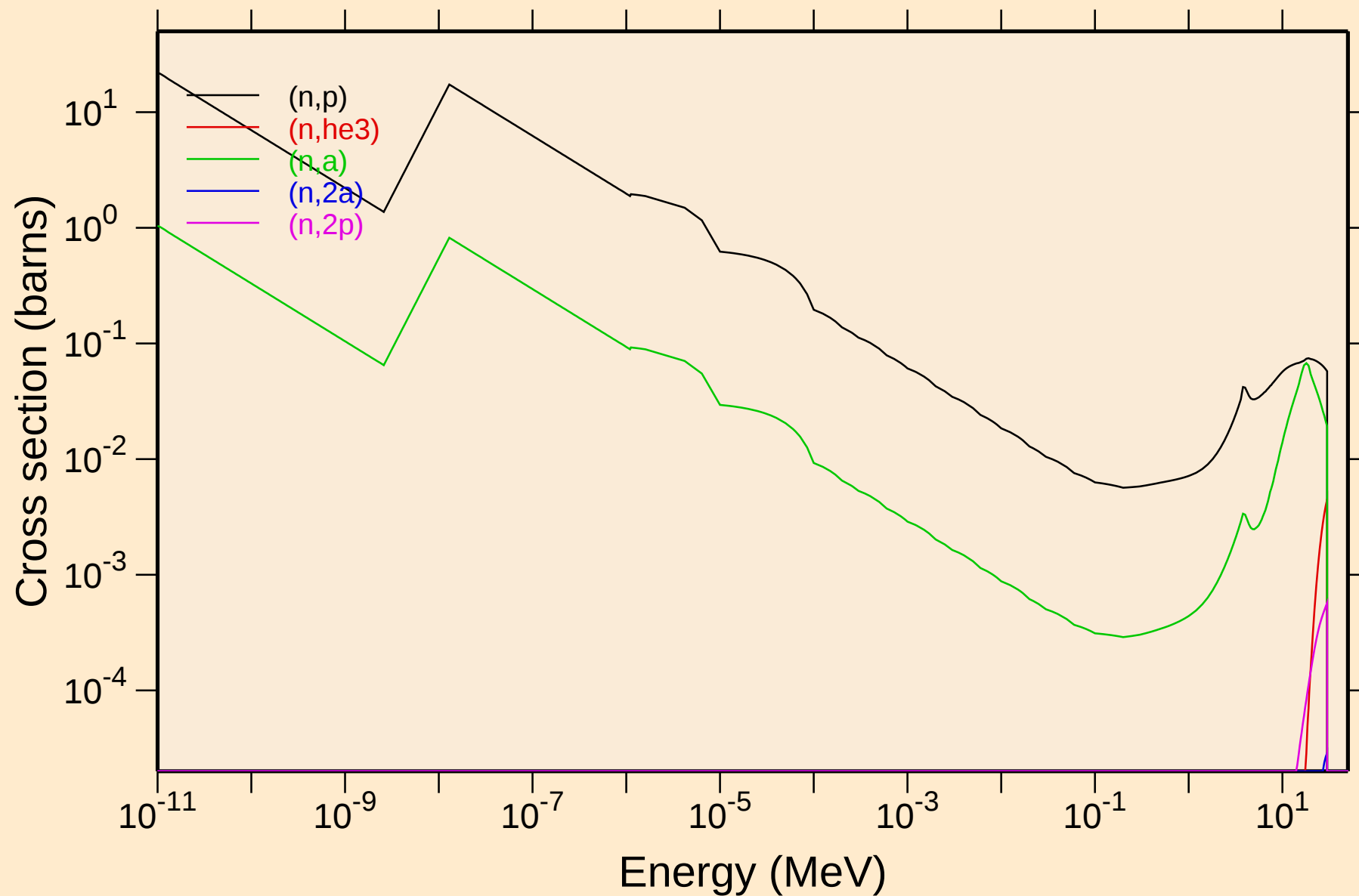


IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

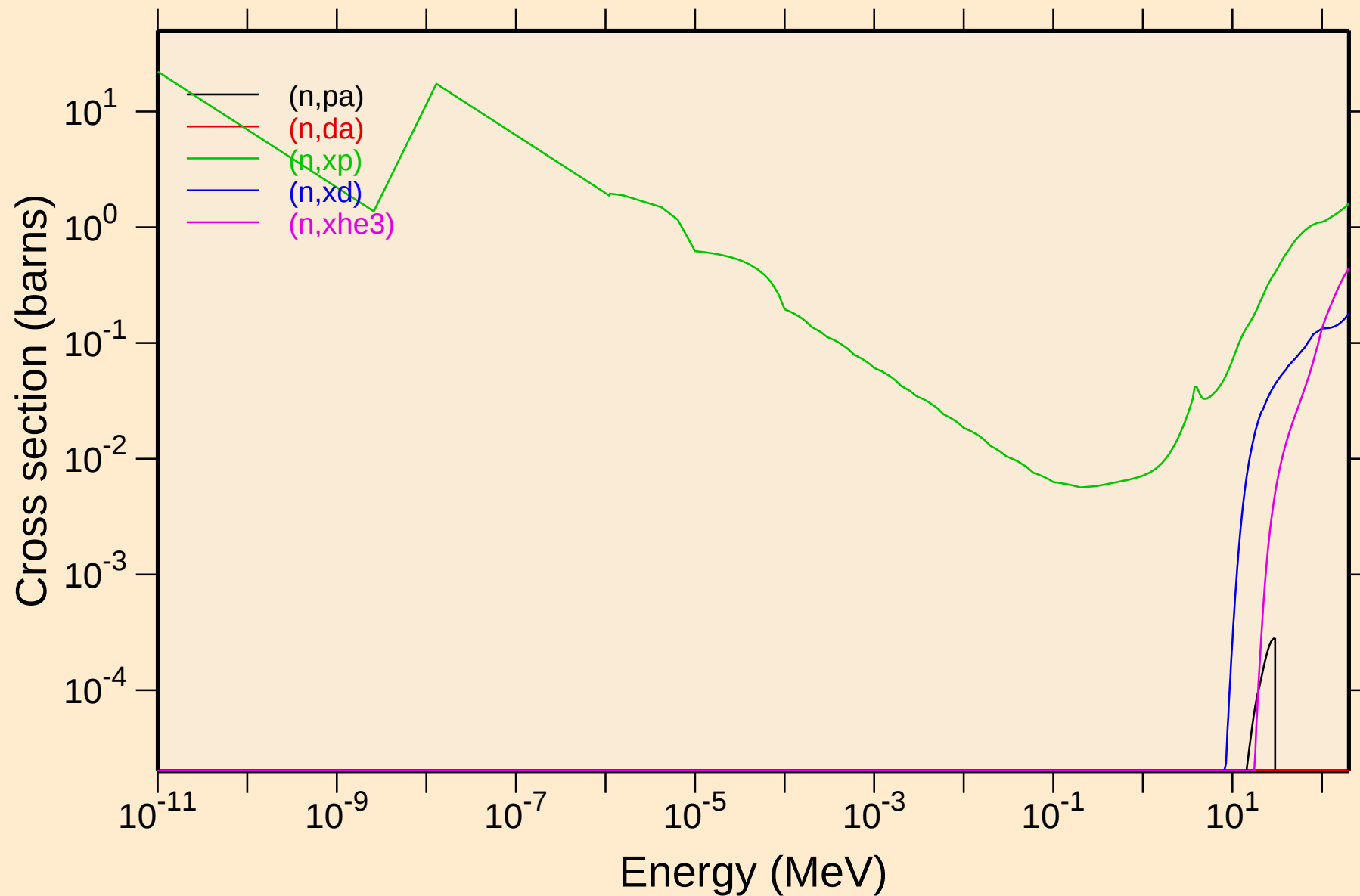
Non-threshold reactions



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

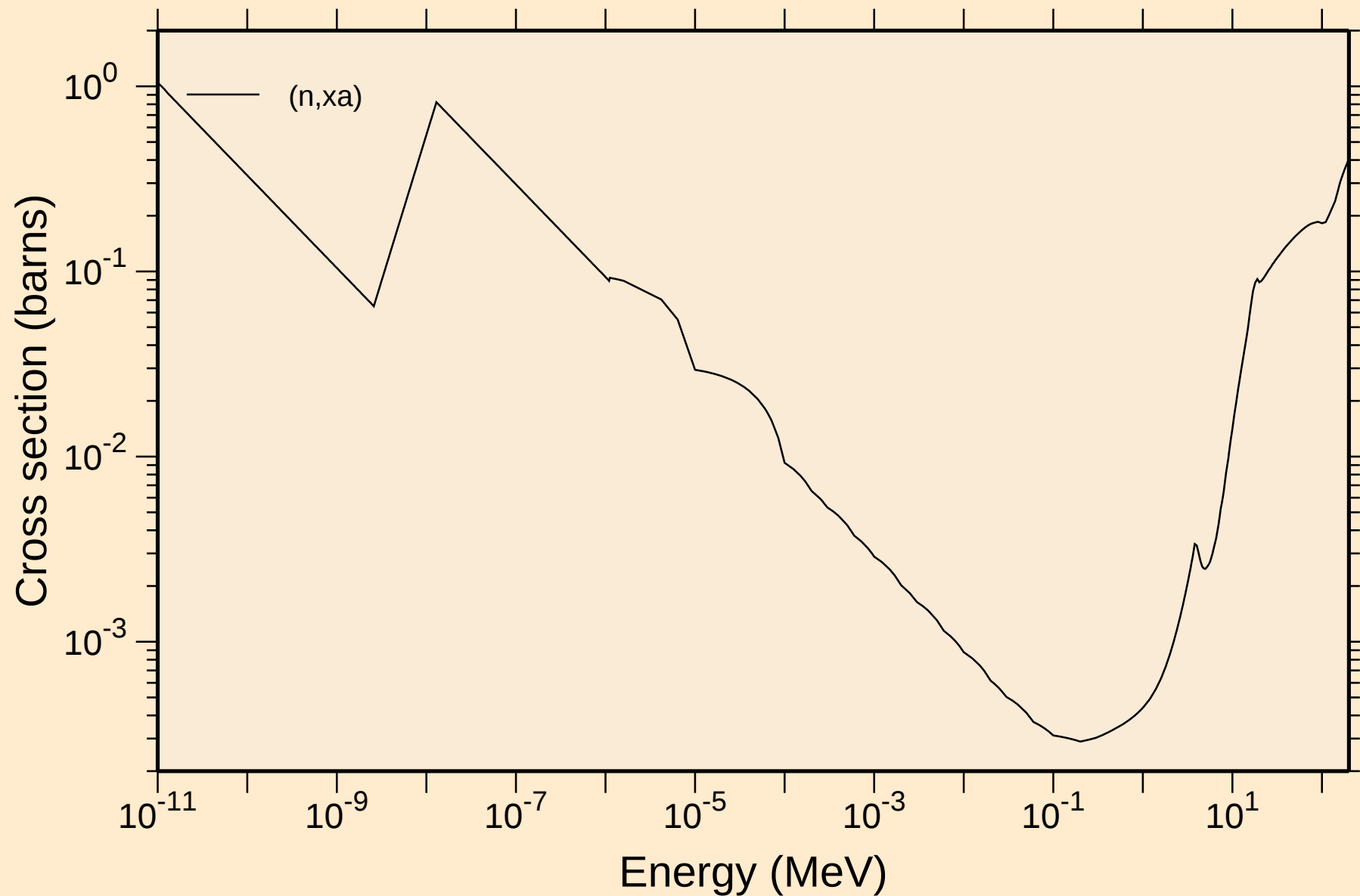


IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



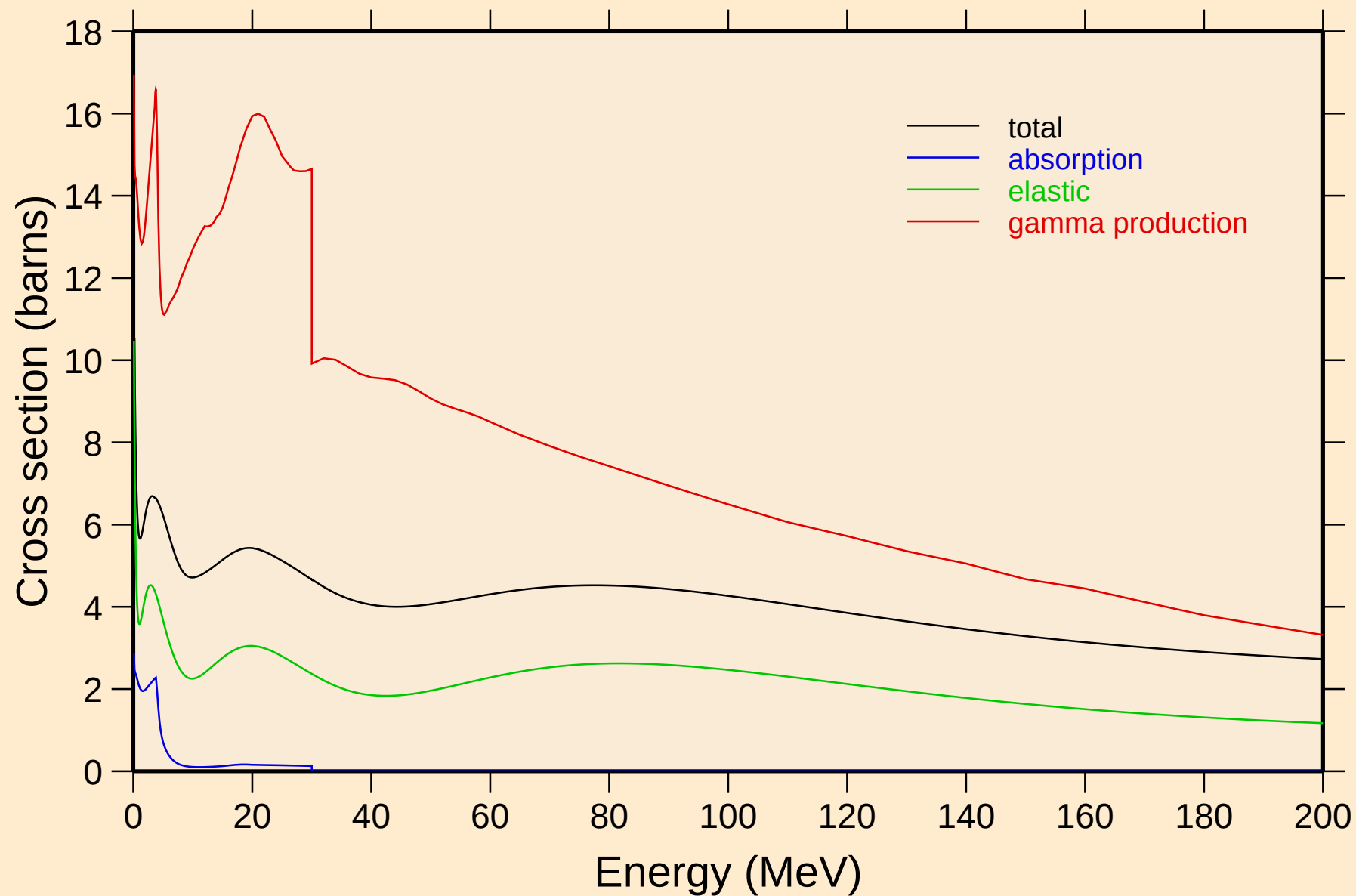
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Non-threshold reactions



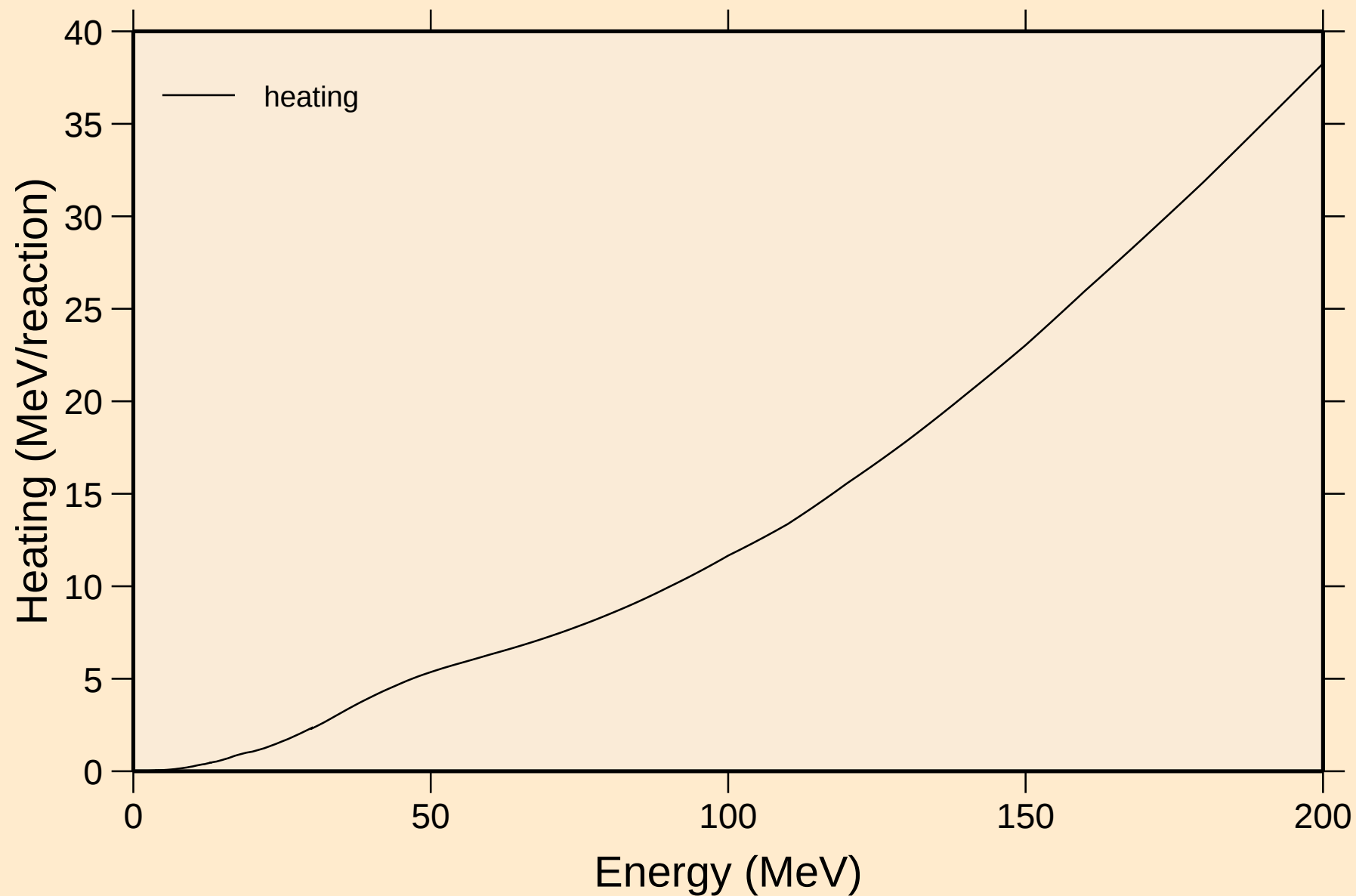
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Principal cross sections



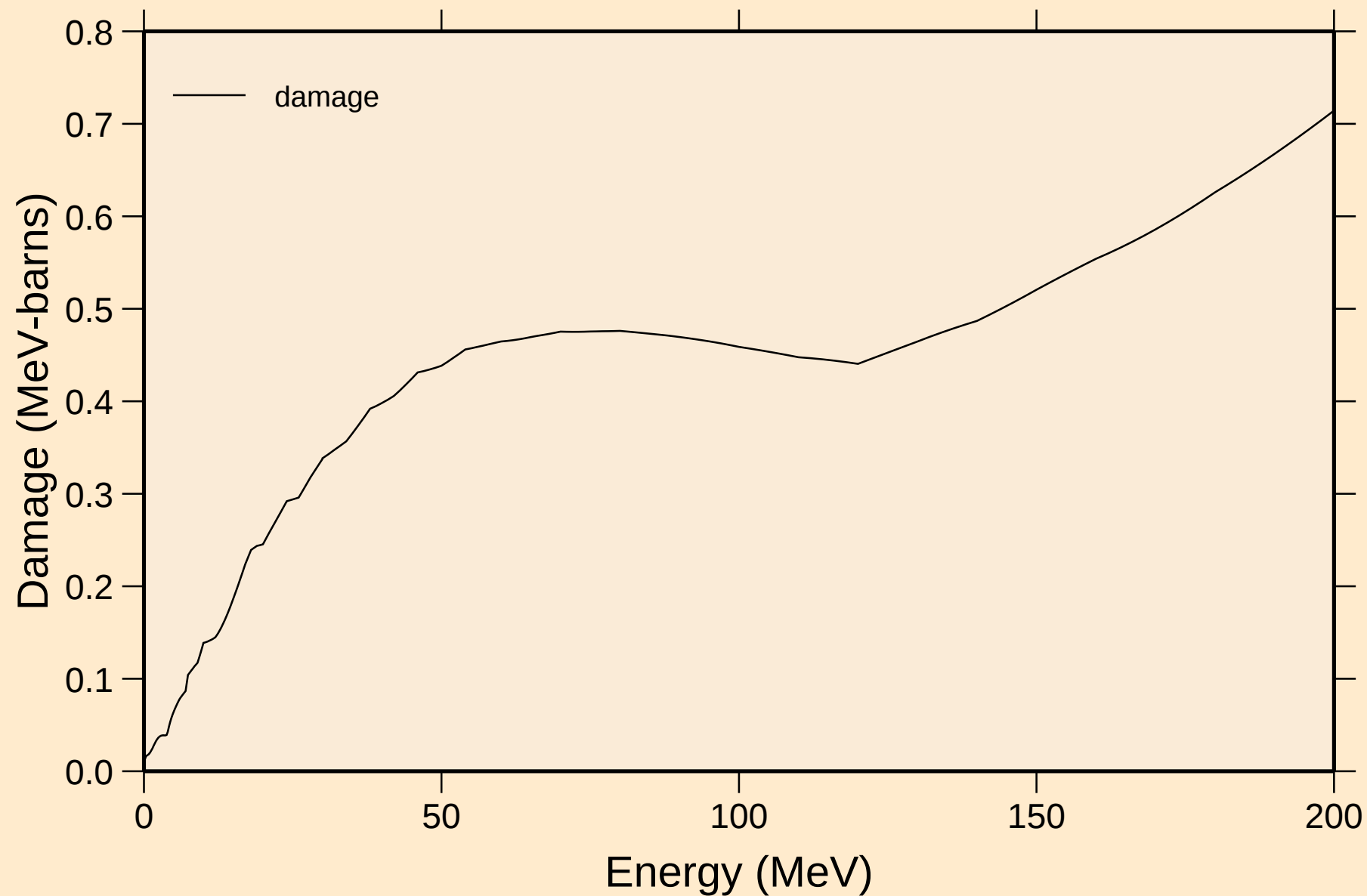
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Heating

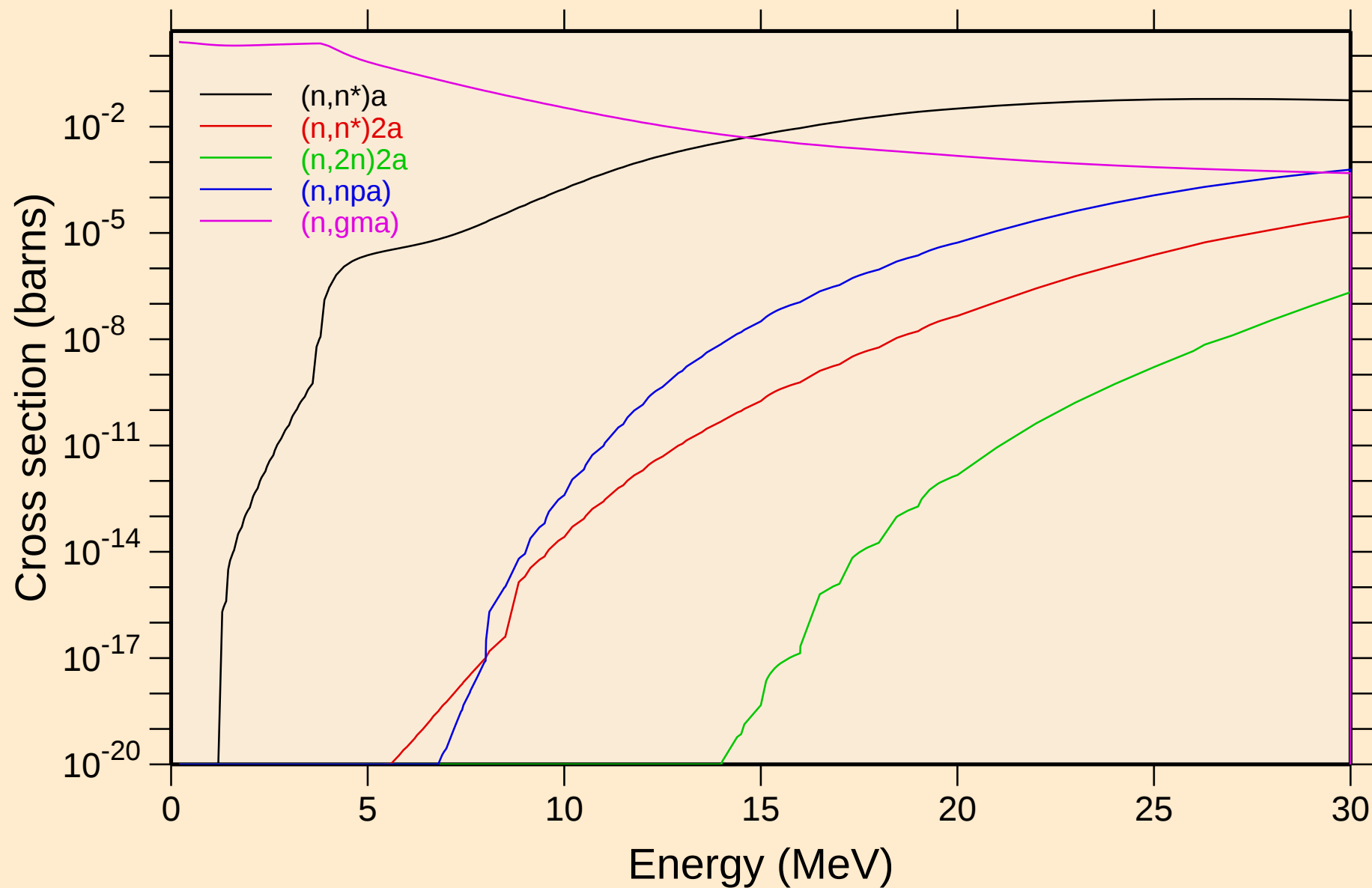


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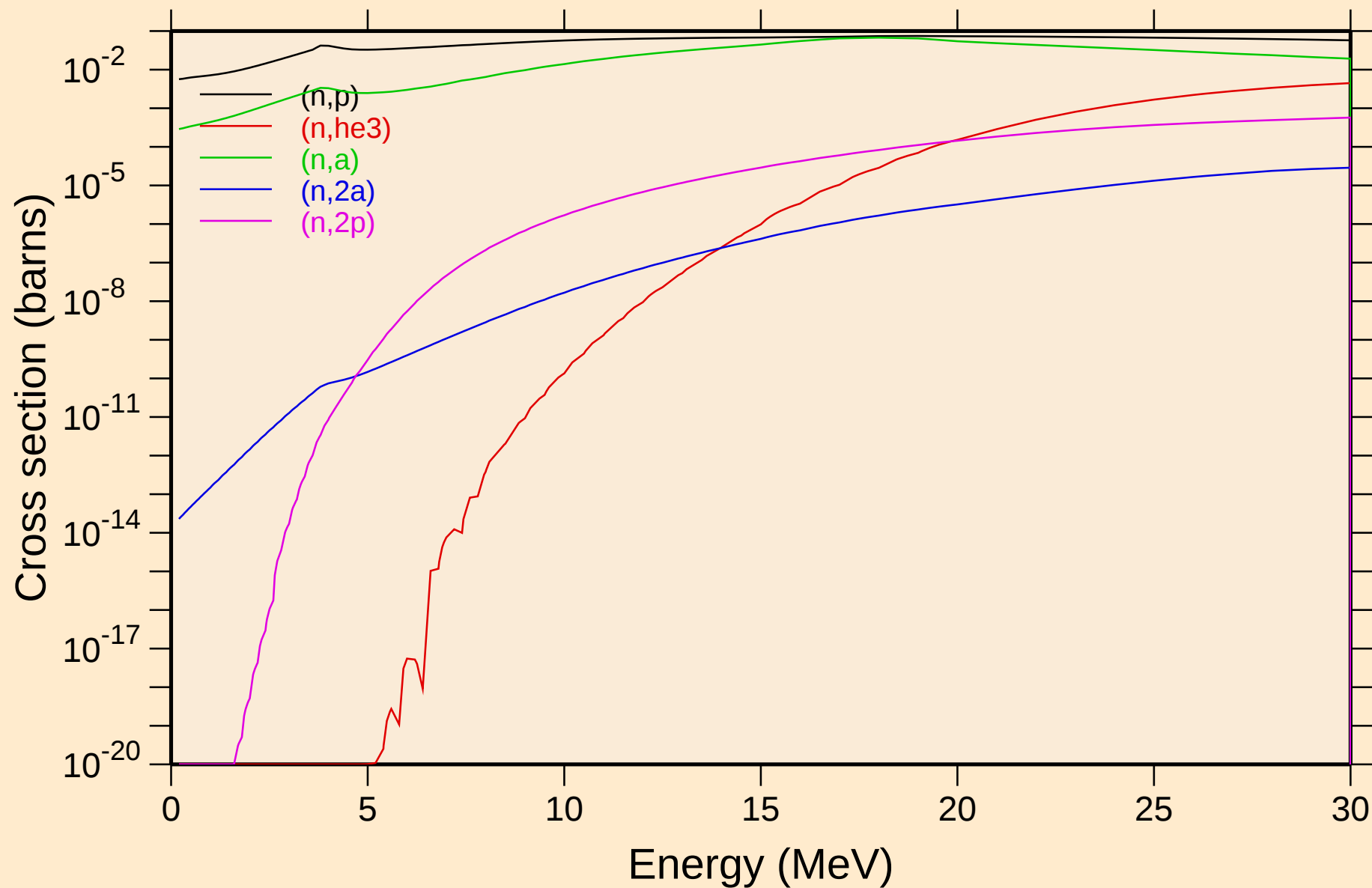
Damage



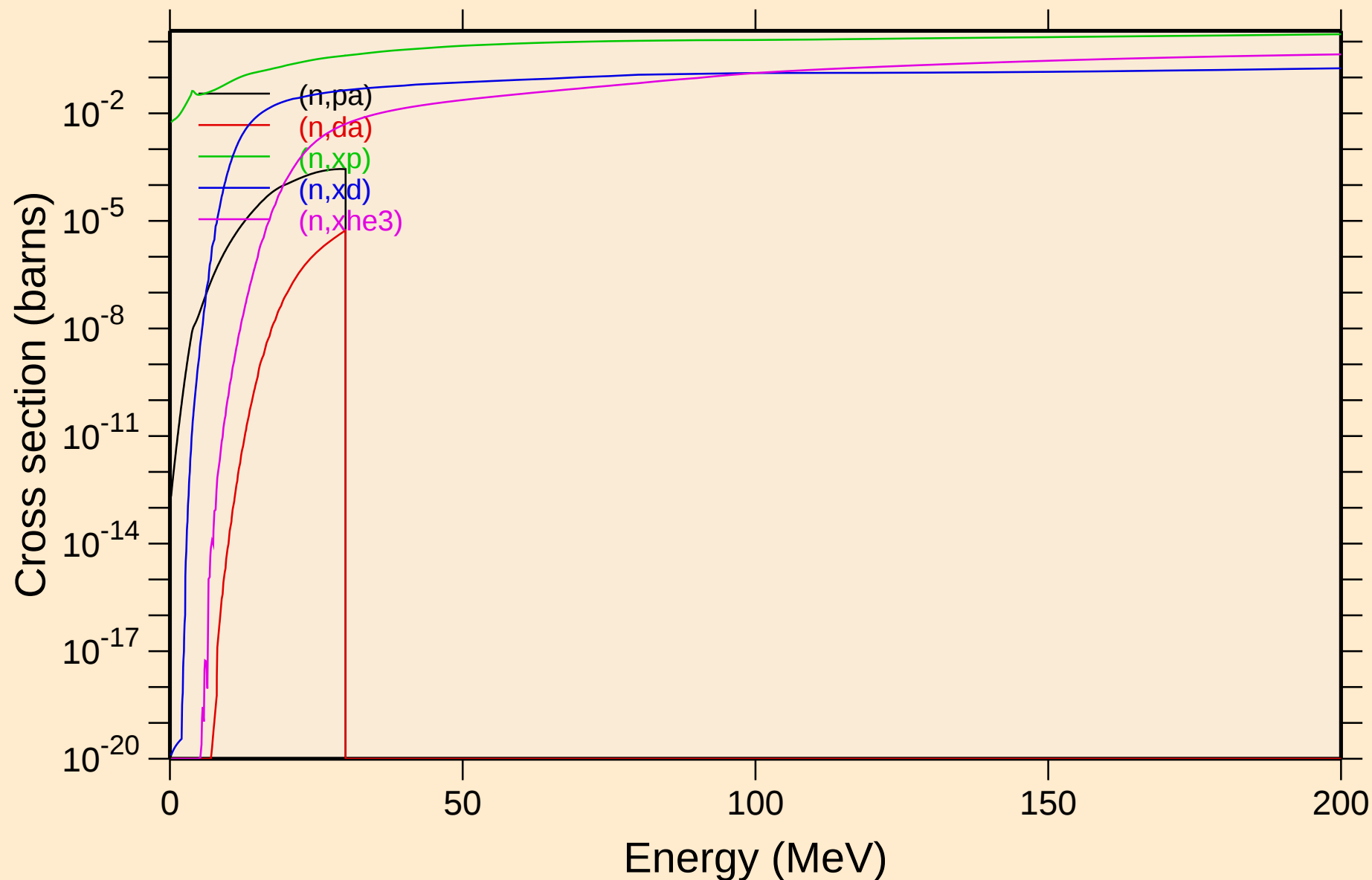
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

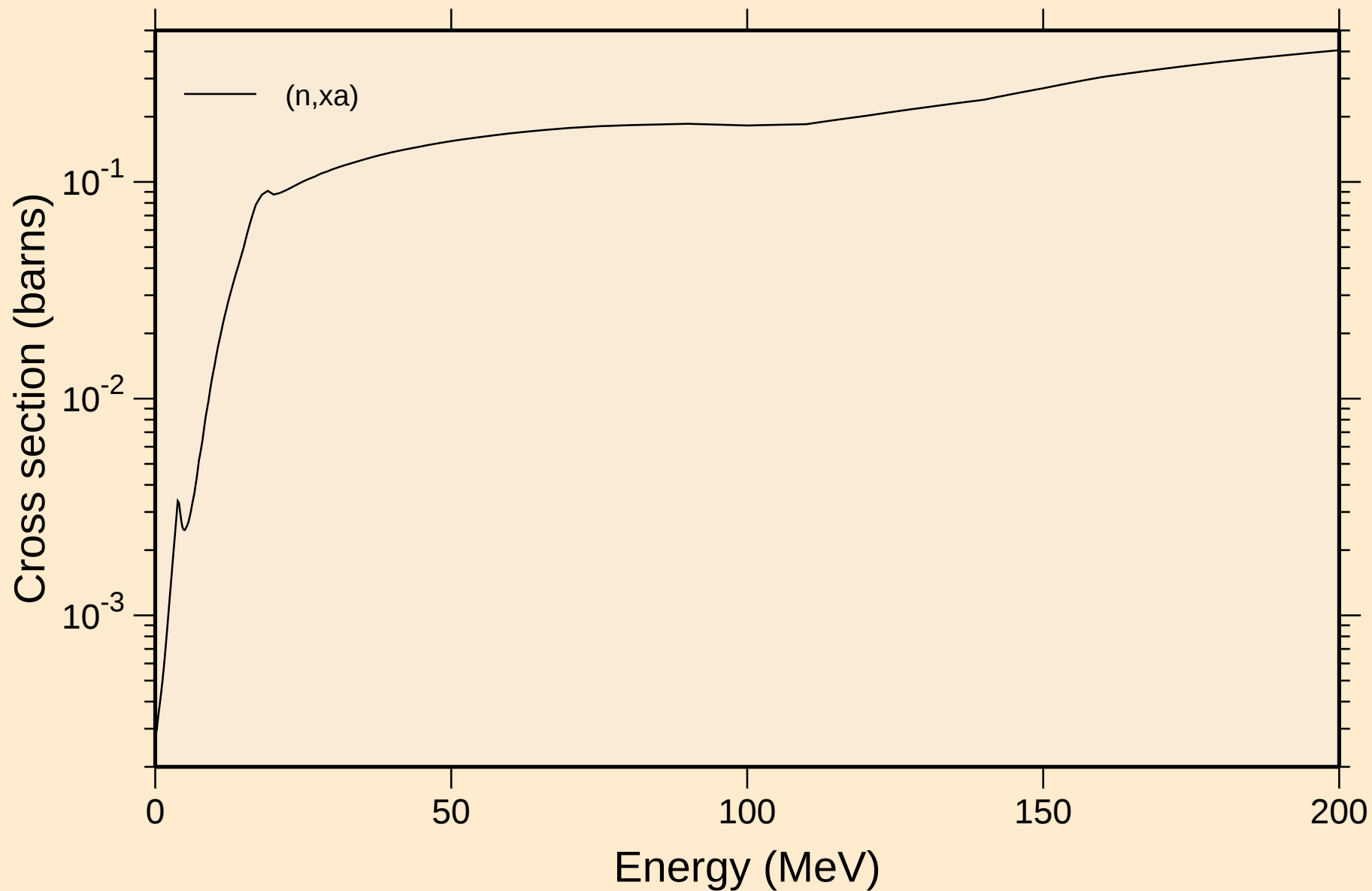


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Non-threshold reactions



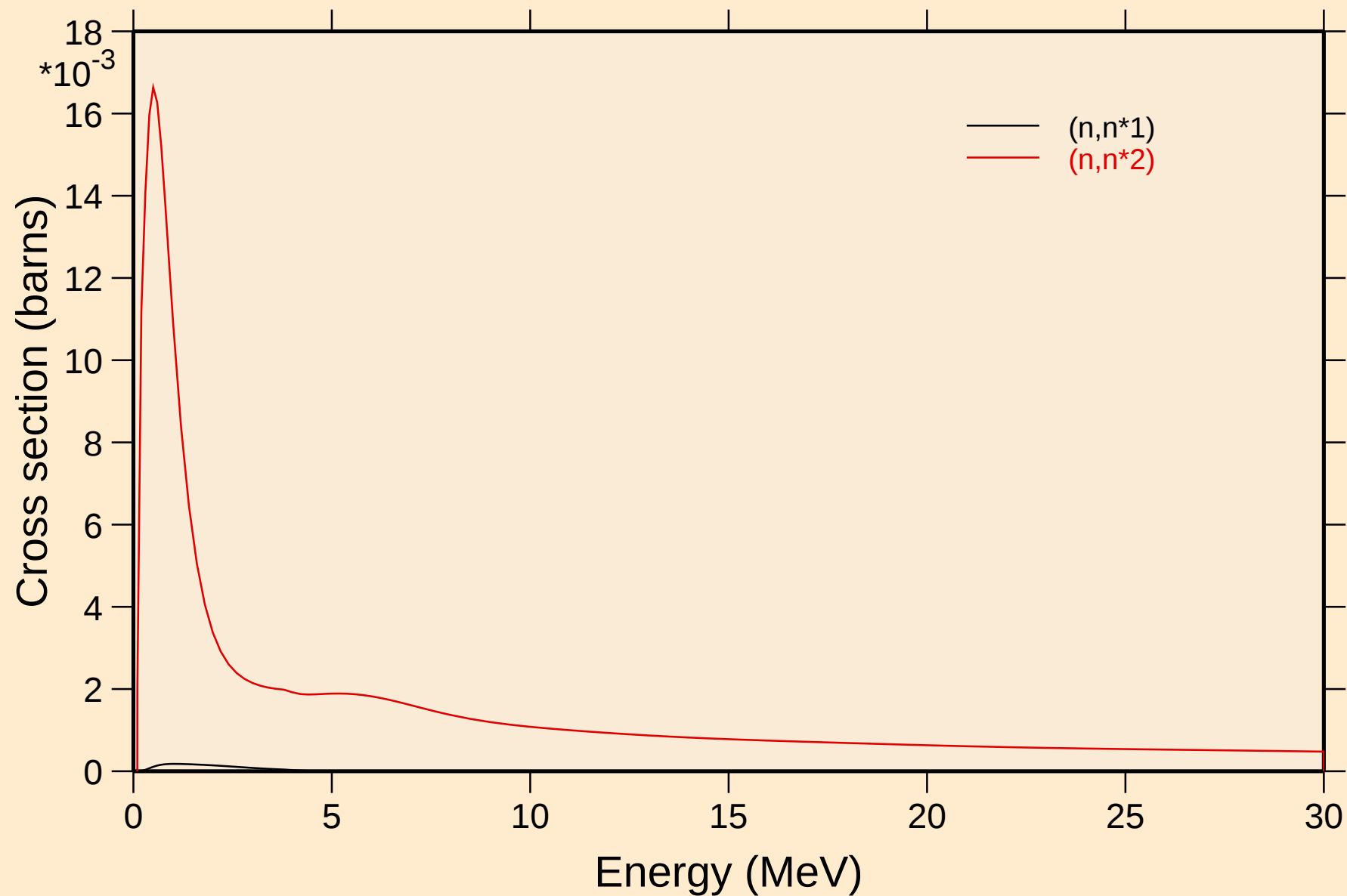
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Non-threshold reactions



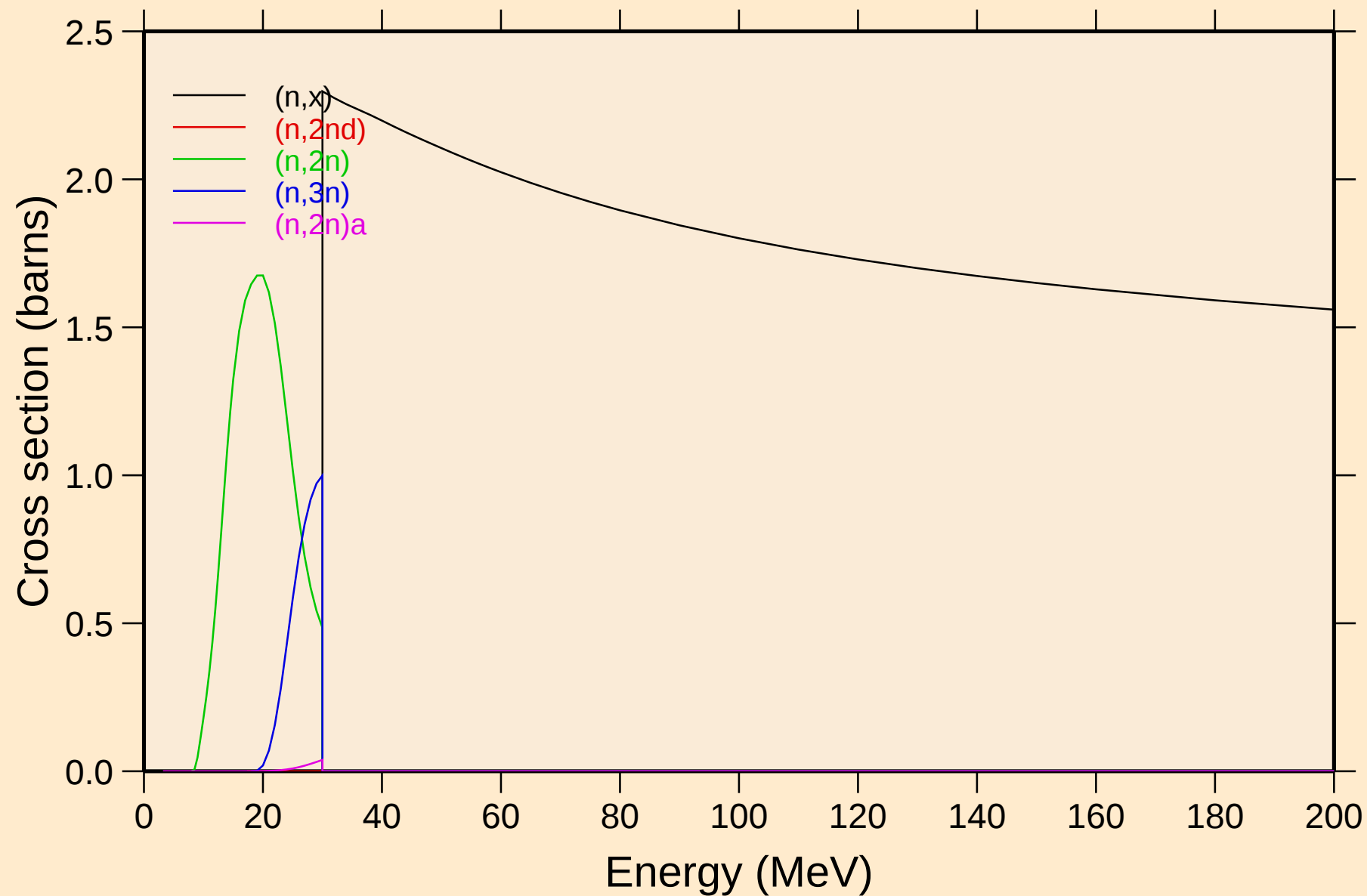
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Inelastic levels



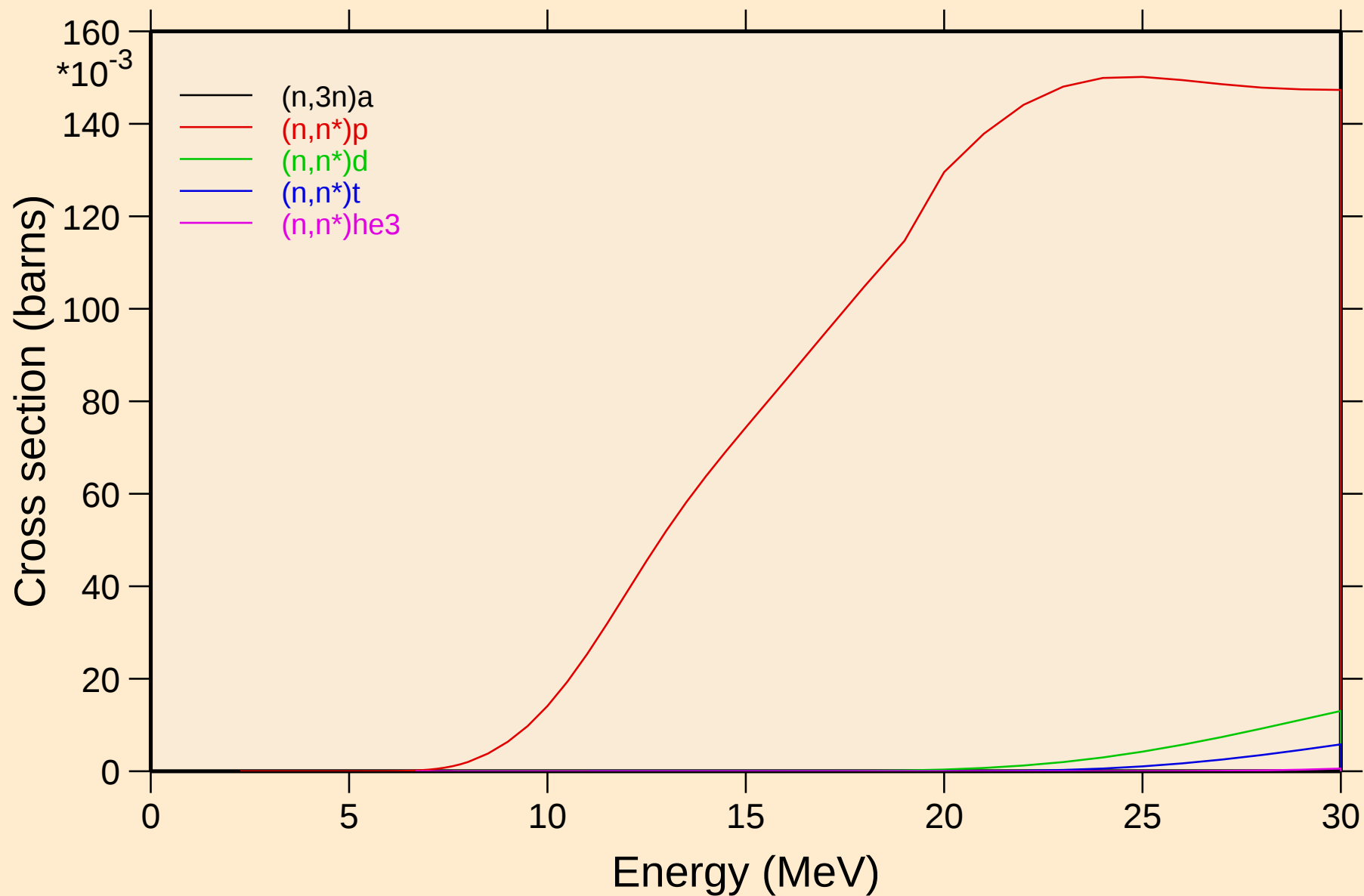
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Threshold reactions



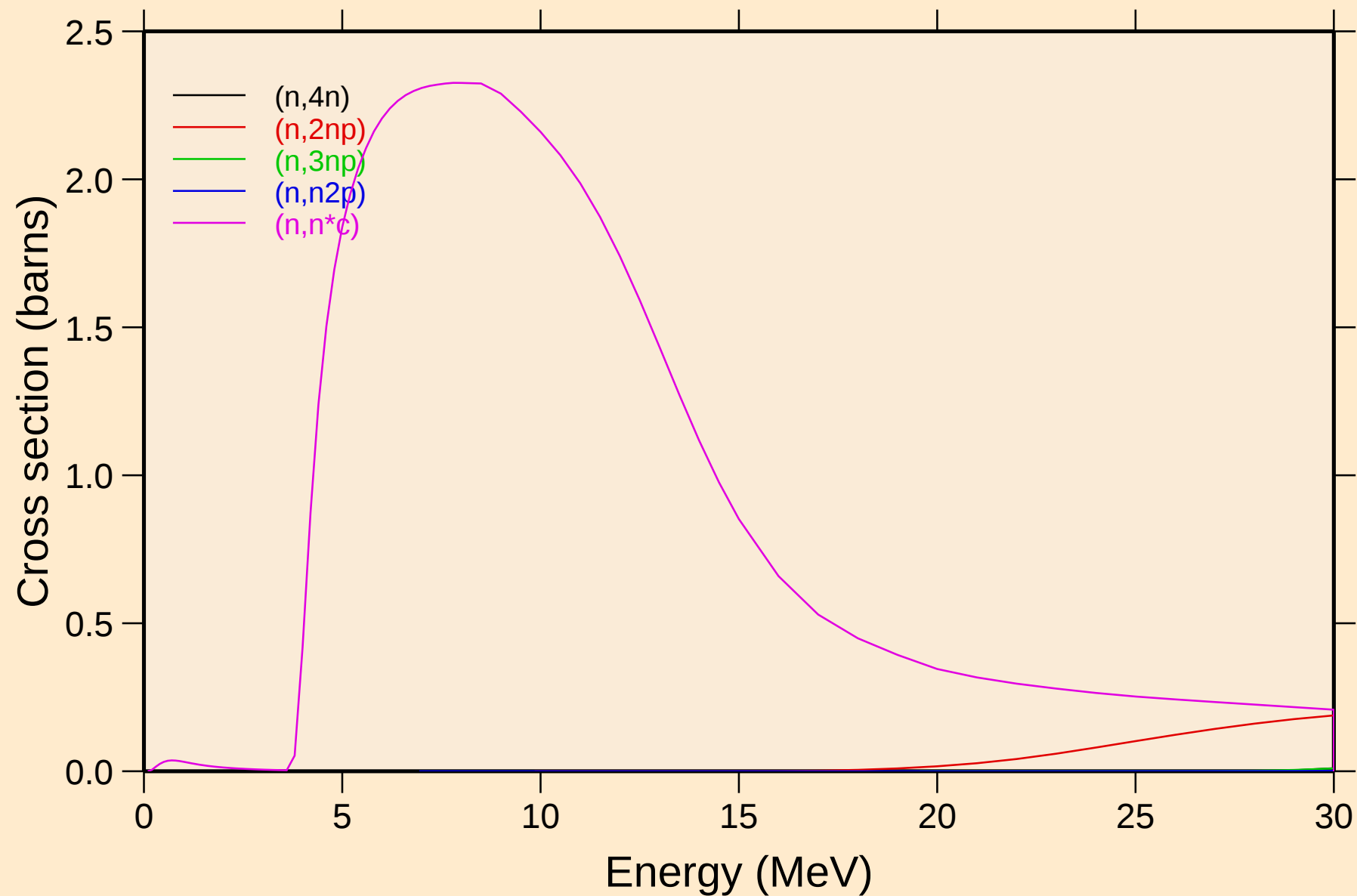
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Threshold reactions



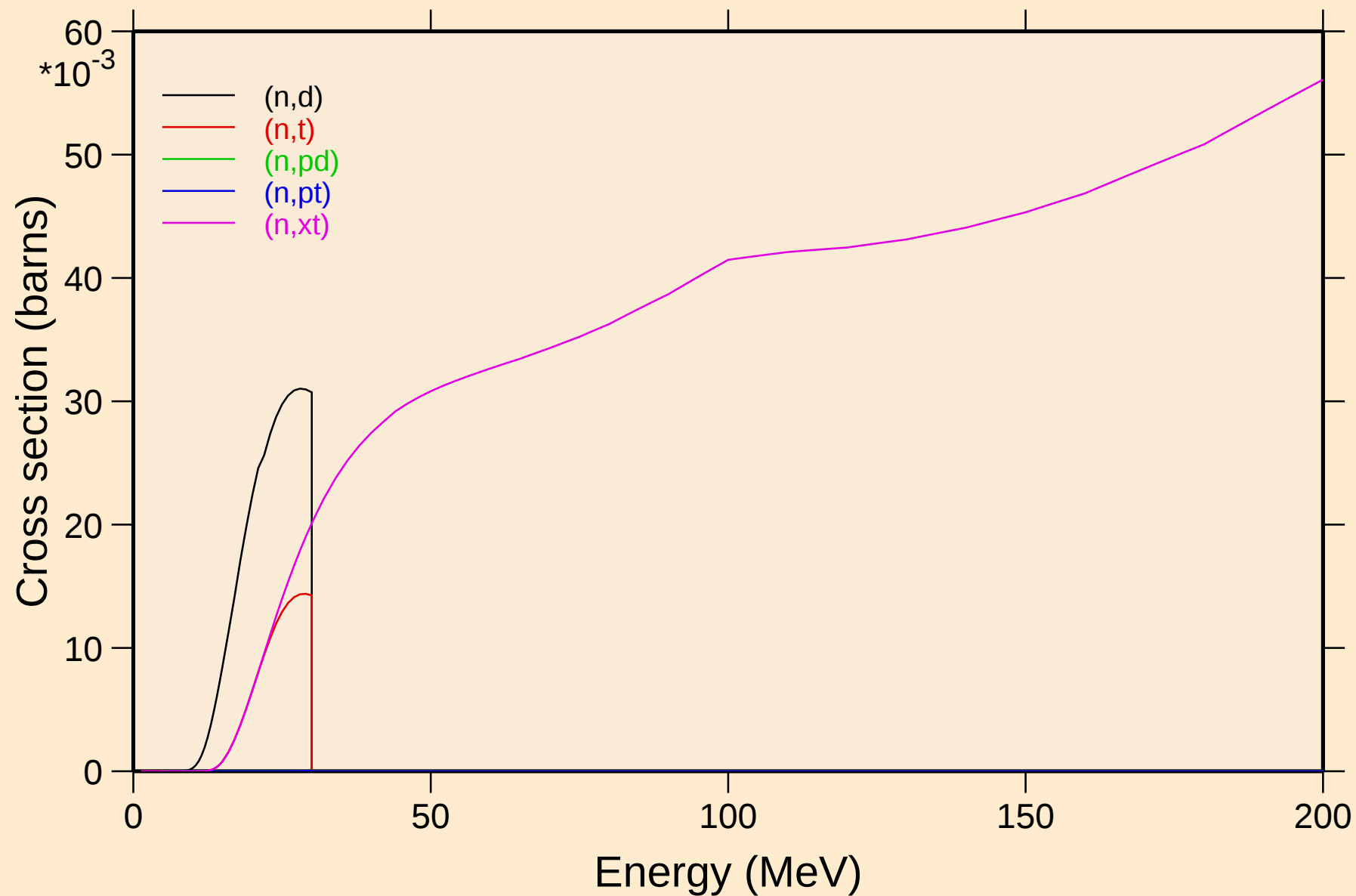
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Threshold reactions

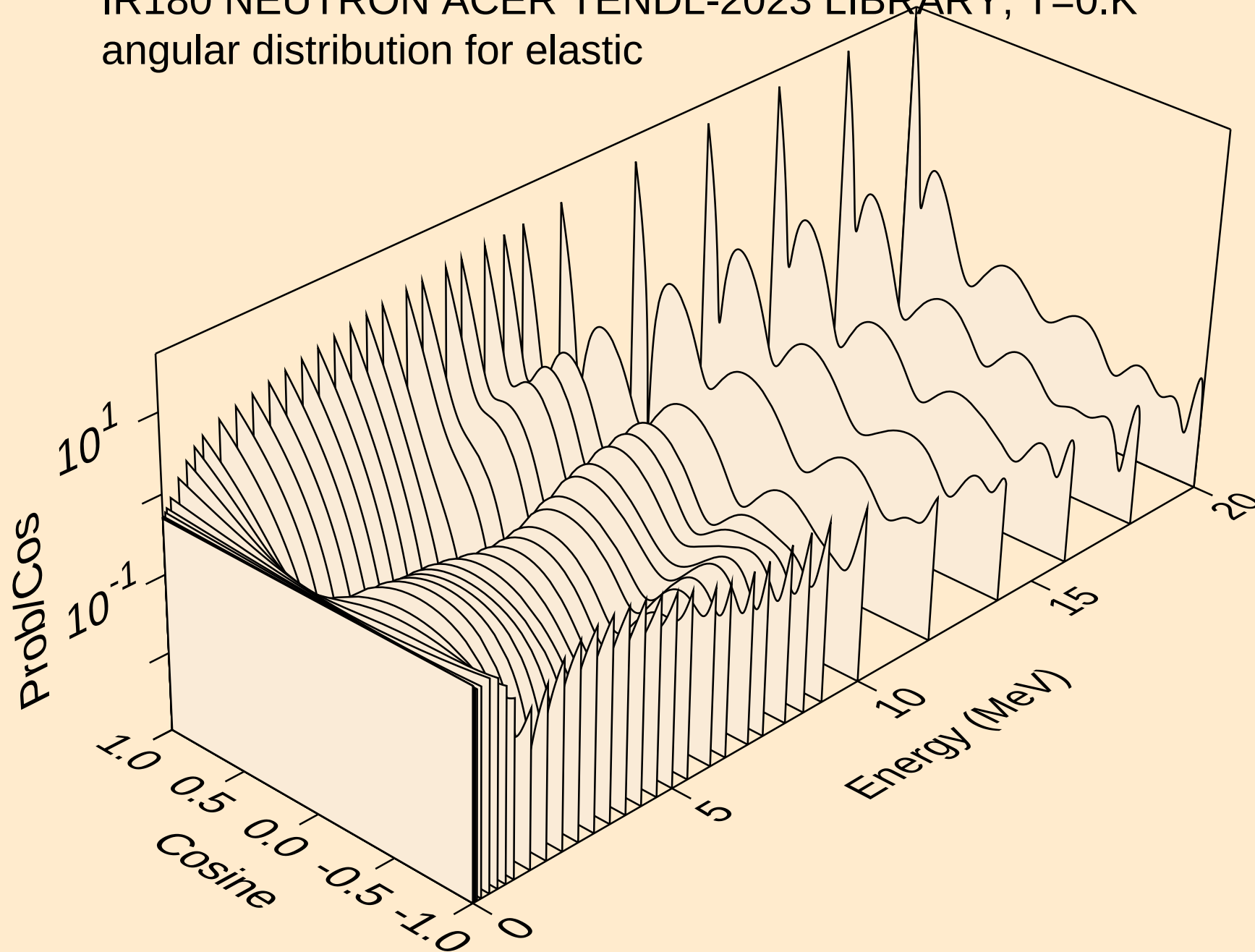


IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

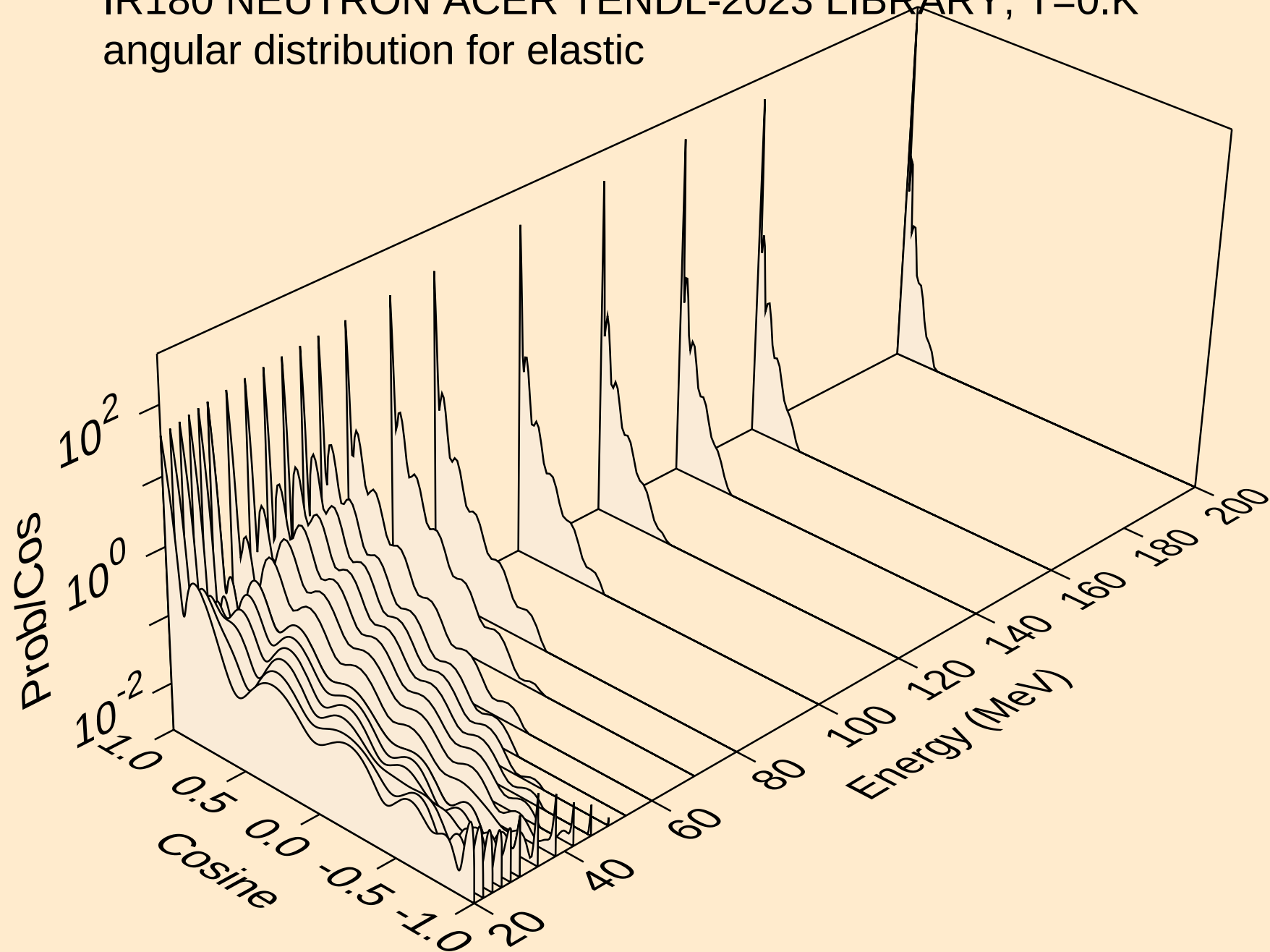
Threshold reactions



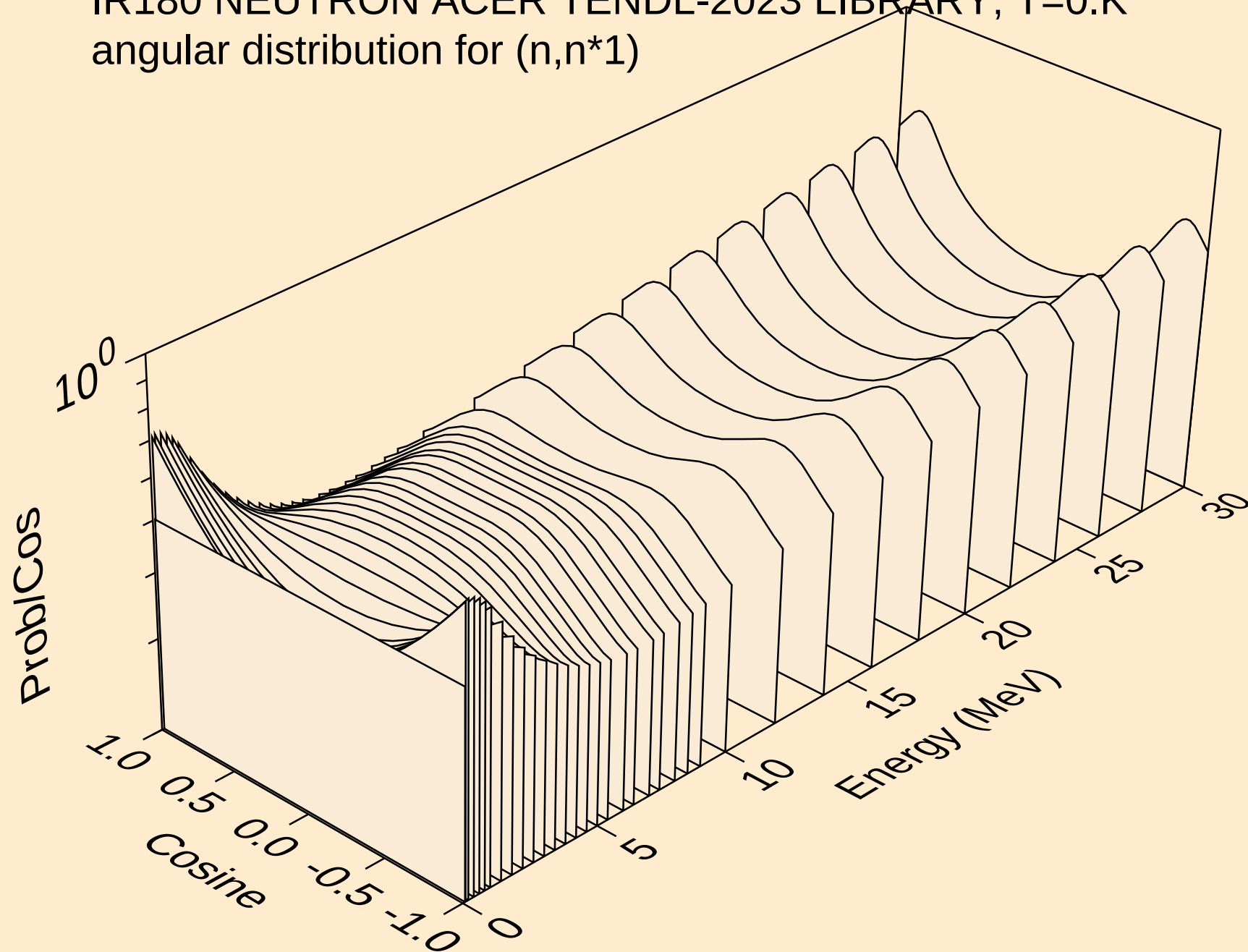
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



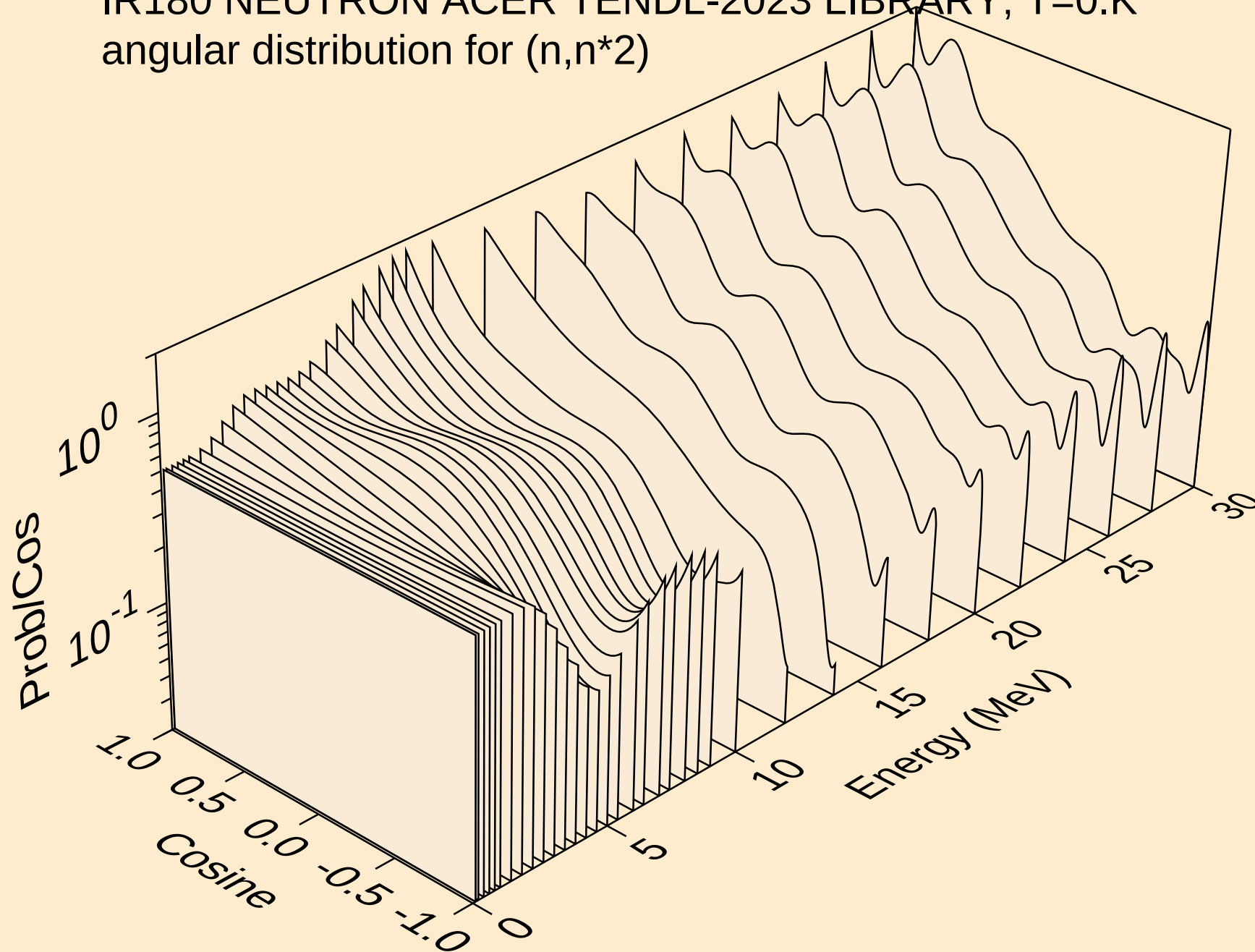
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



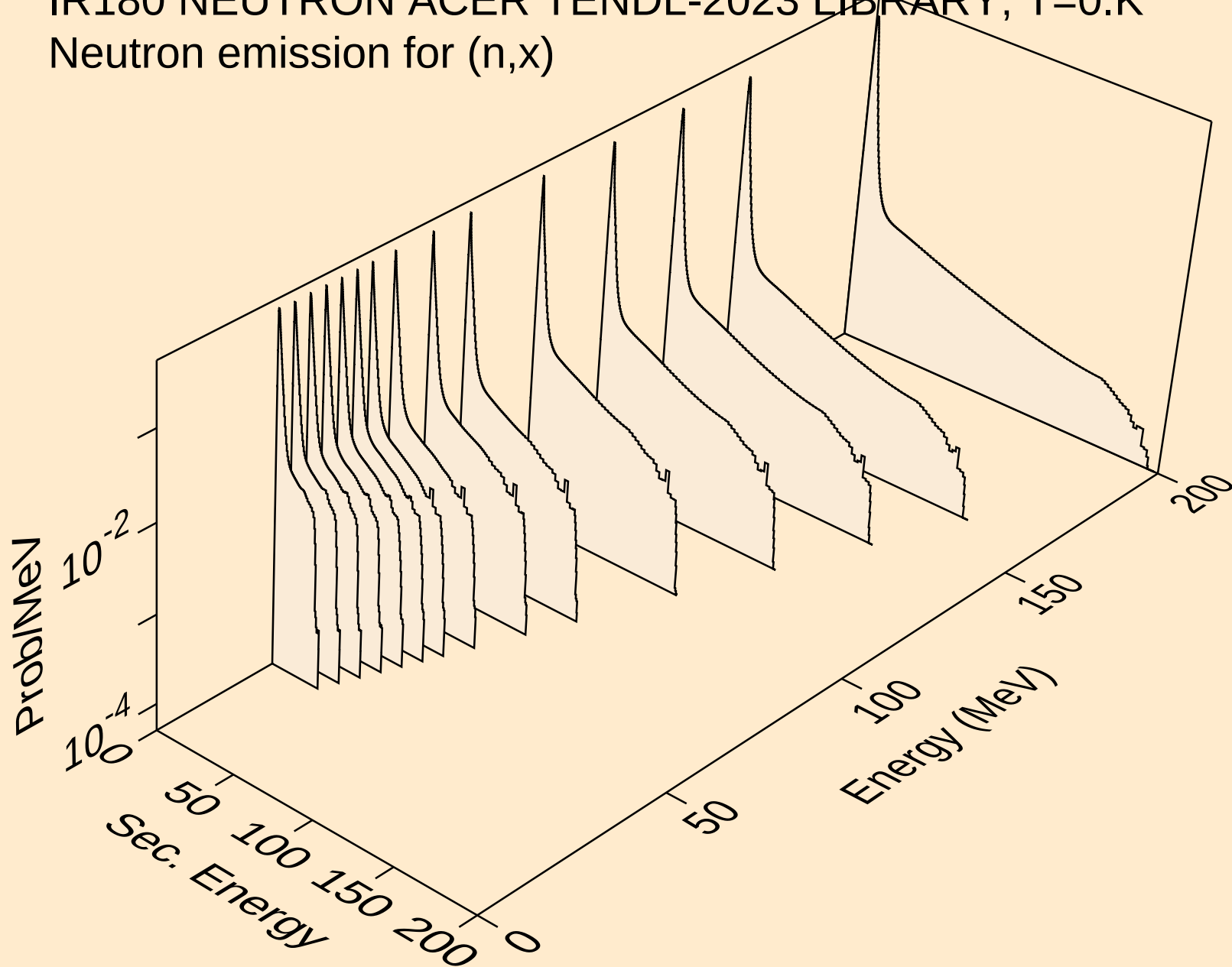
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



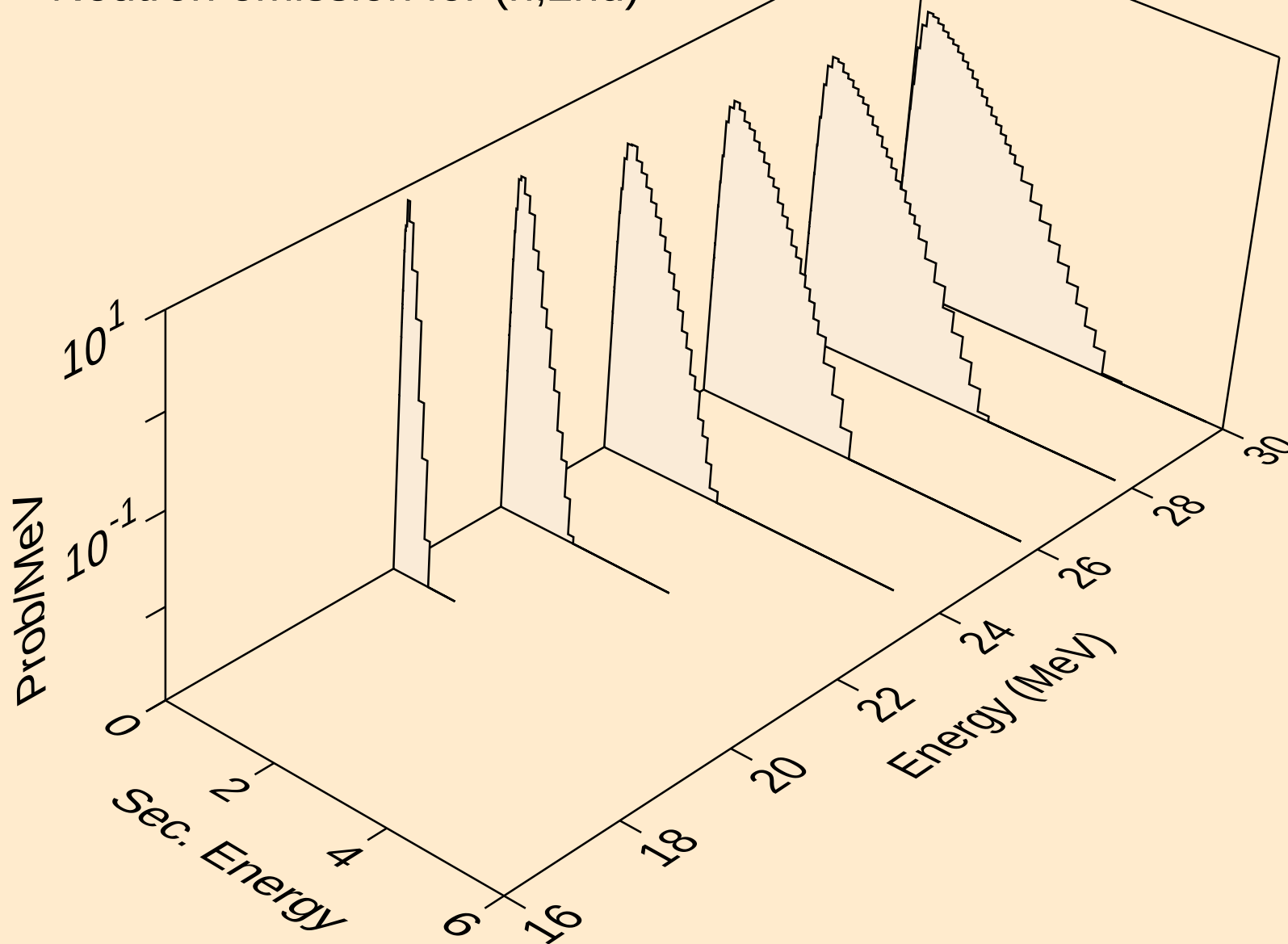
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angular distribution for (n,n*2)



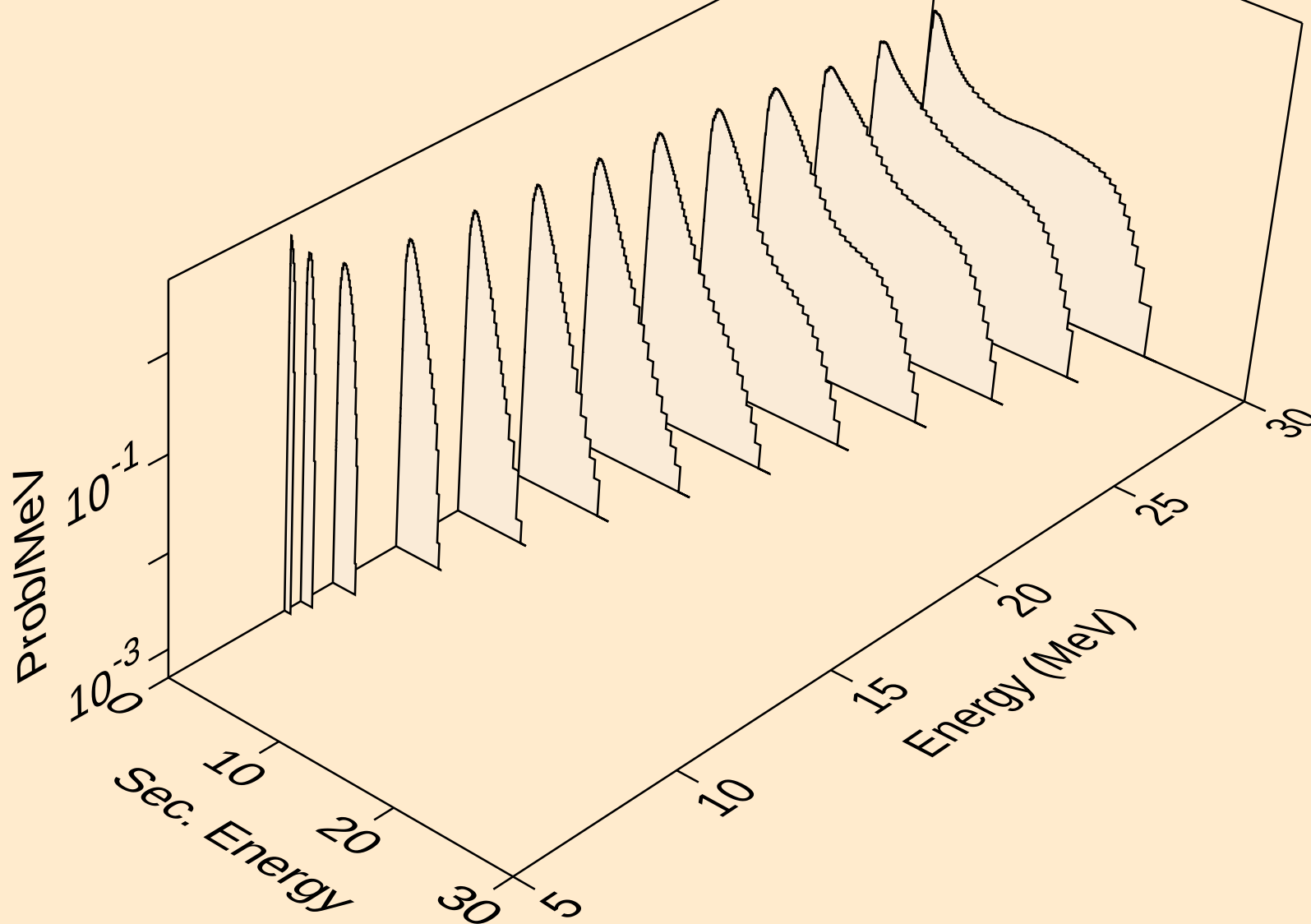
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



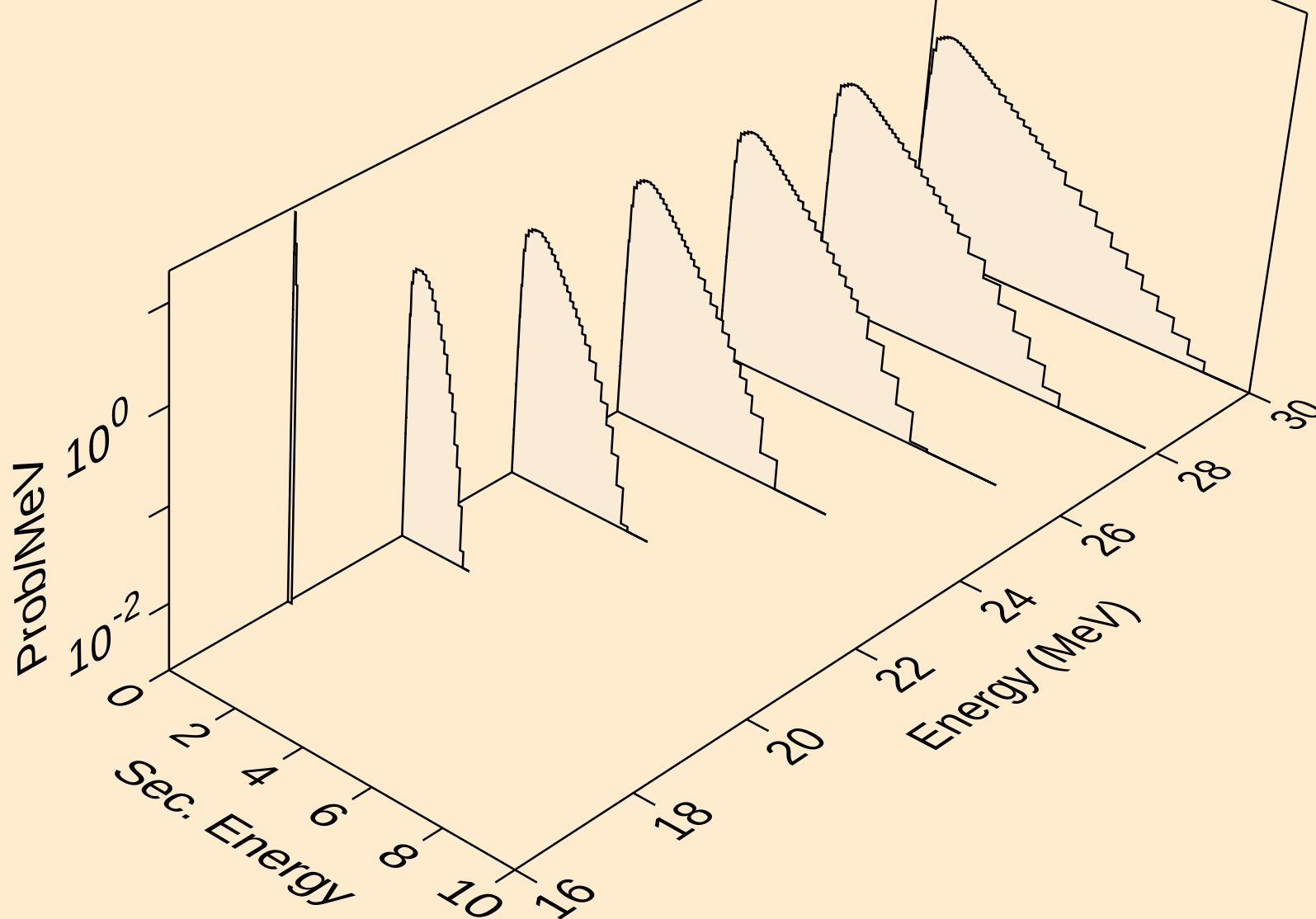
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



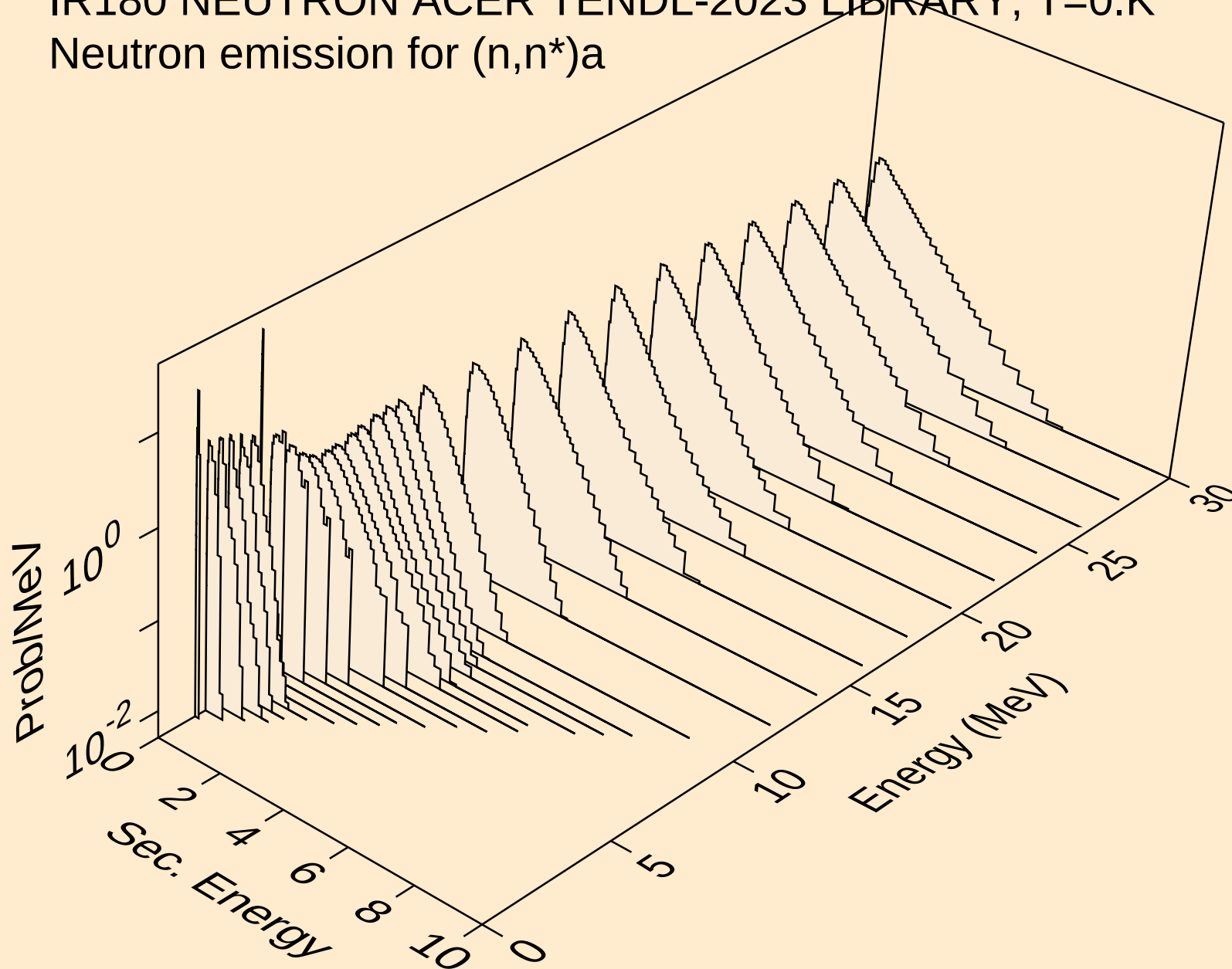
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Neutron emission for (n,2n)



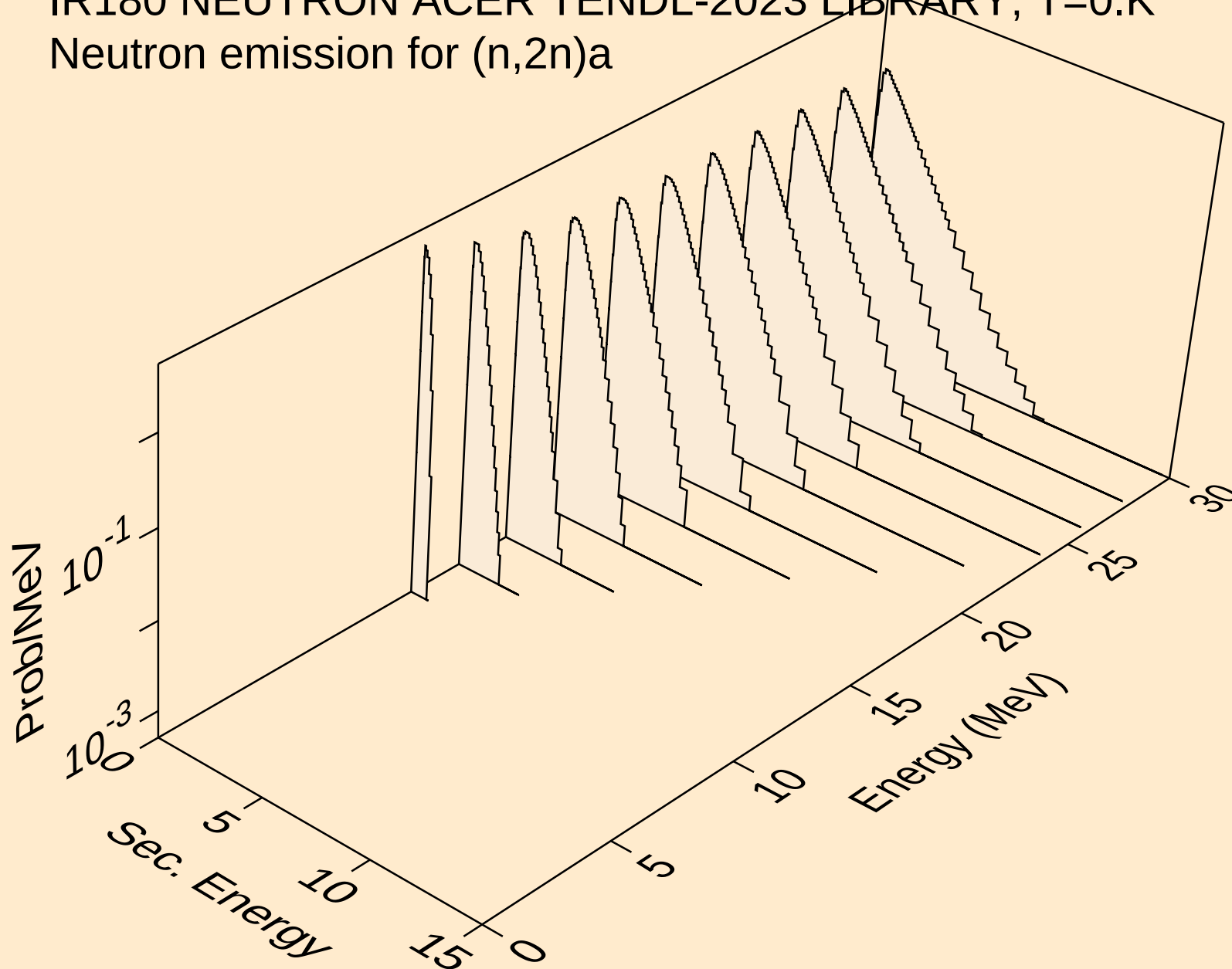
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



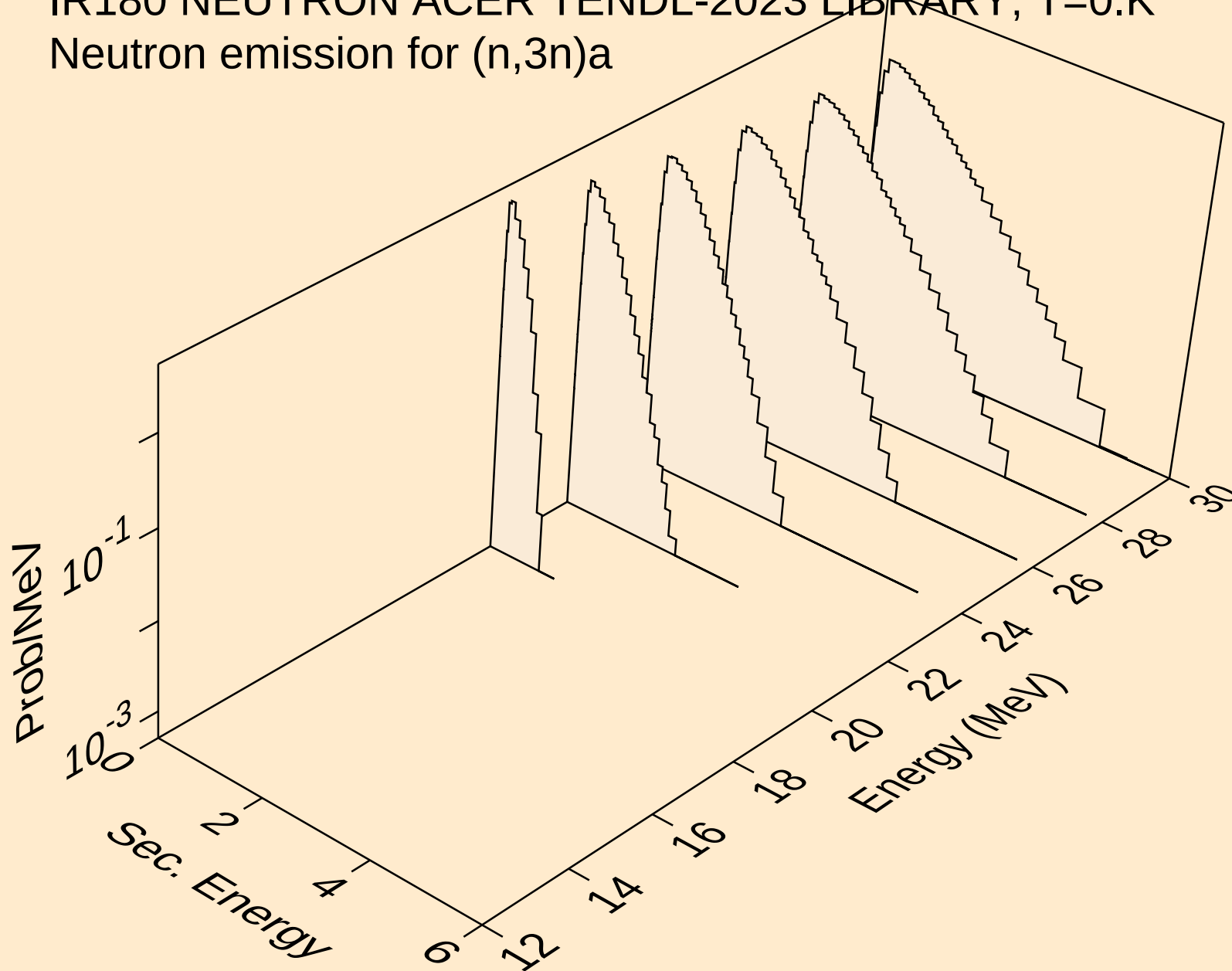
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



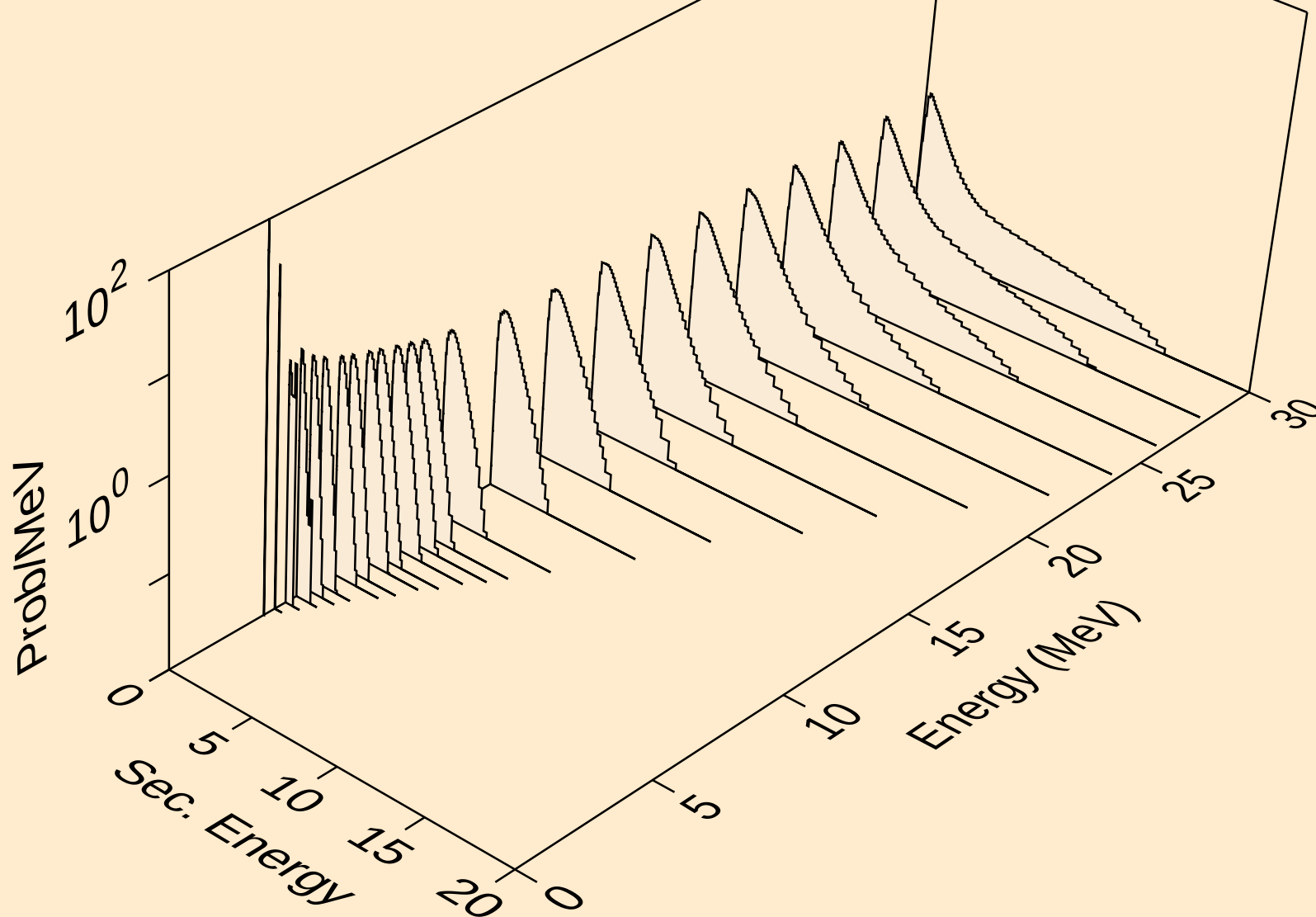
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Neutron emission for (n,2n)a



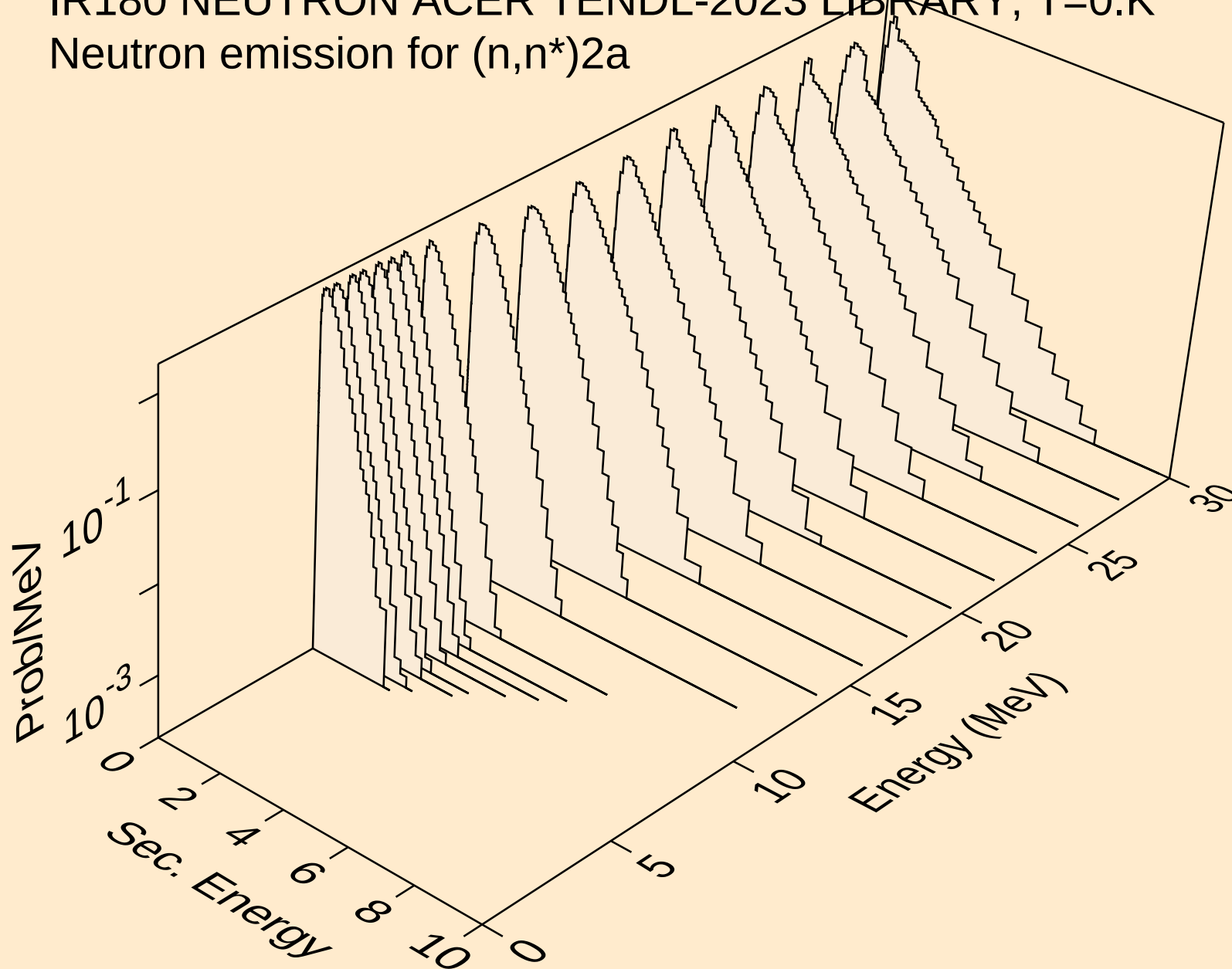
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Neutron emission for (n,3n)a



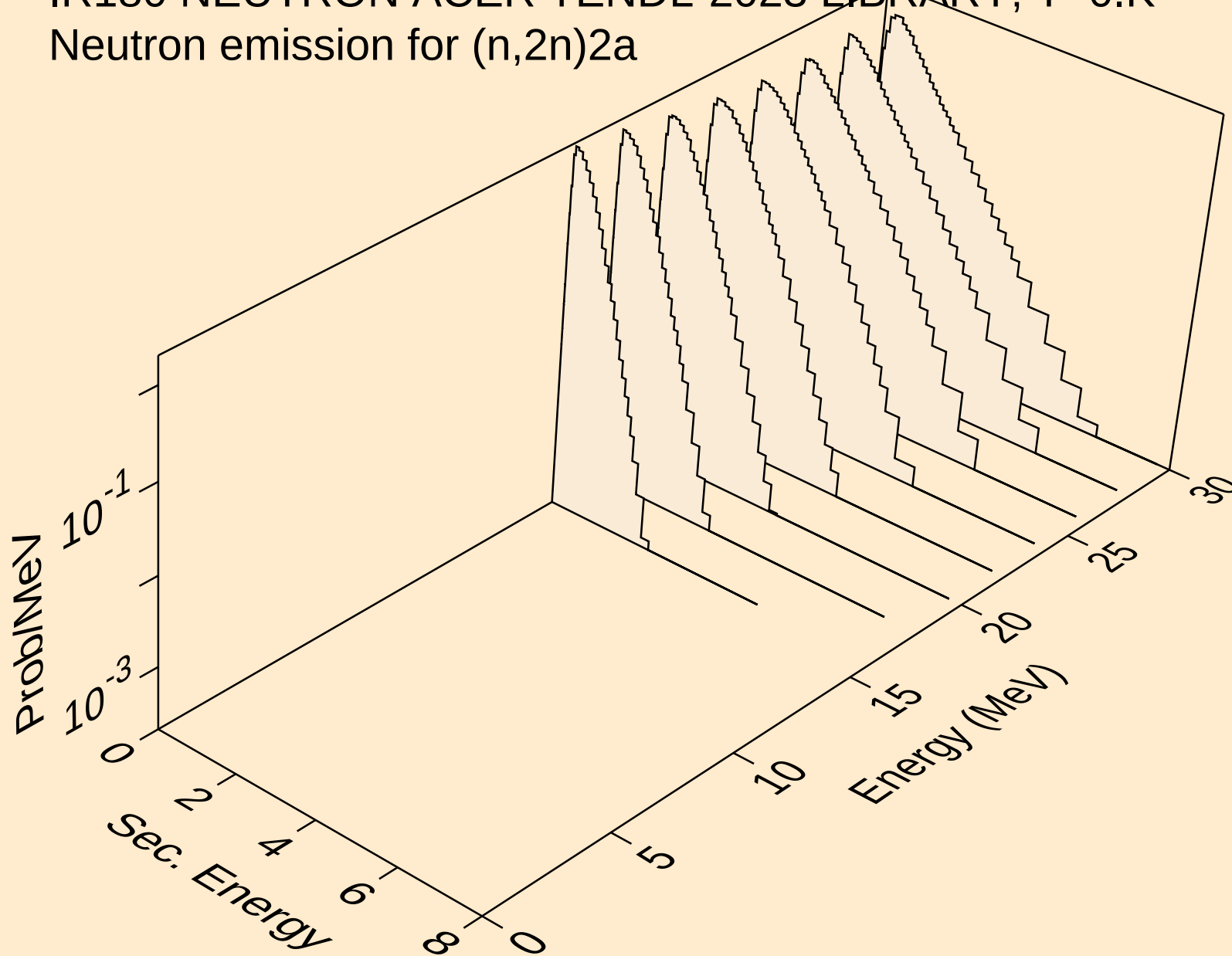
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Neutron emission for (n,n*)p



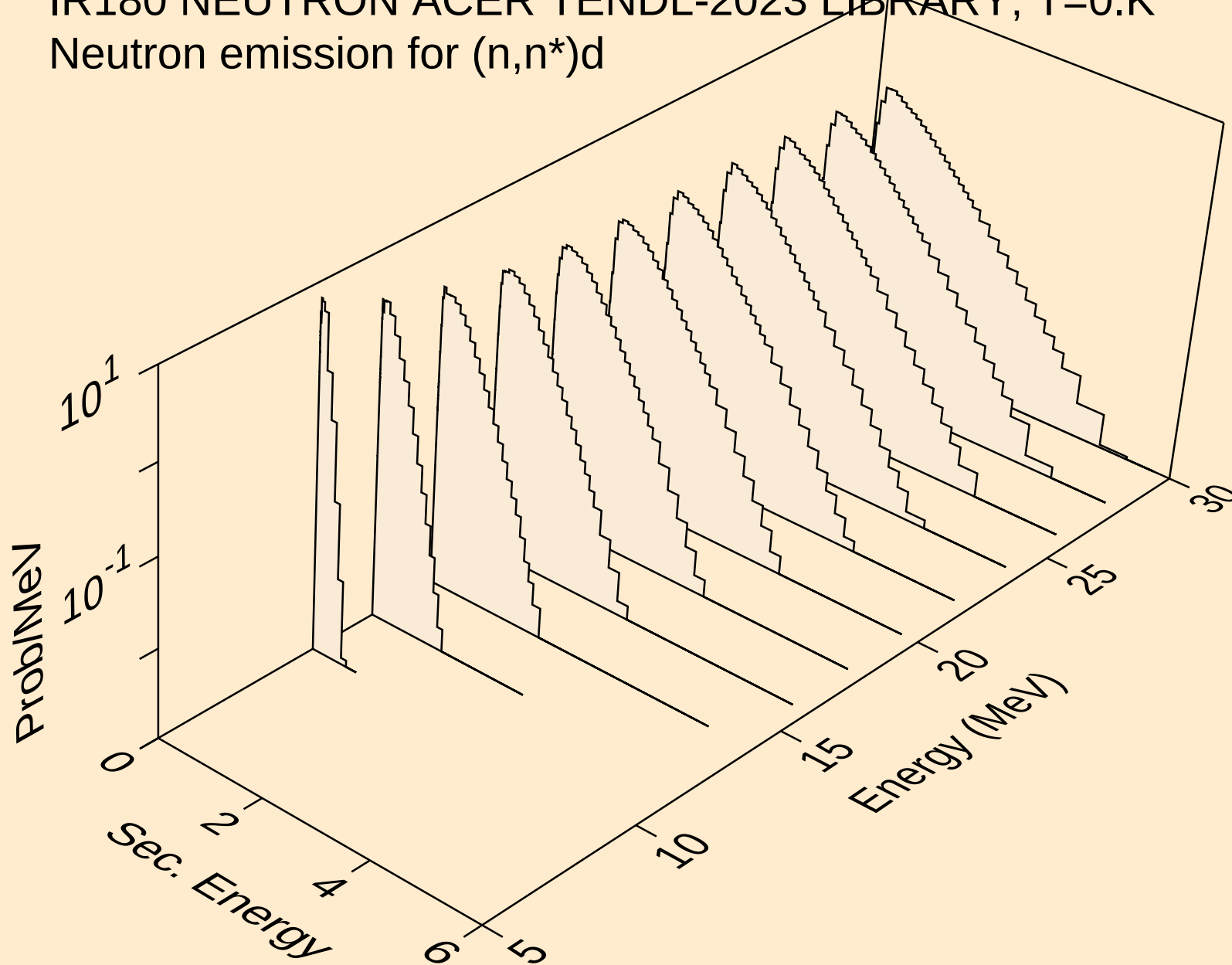
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Neutron emission for (n,n*)2a



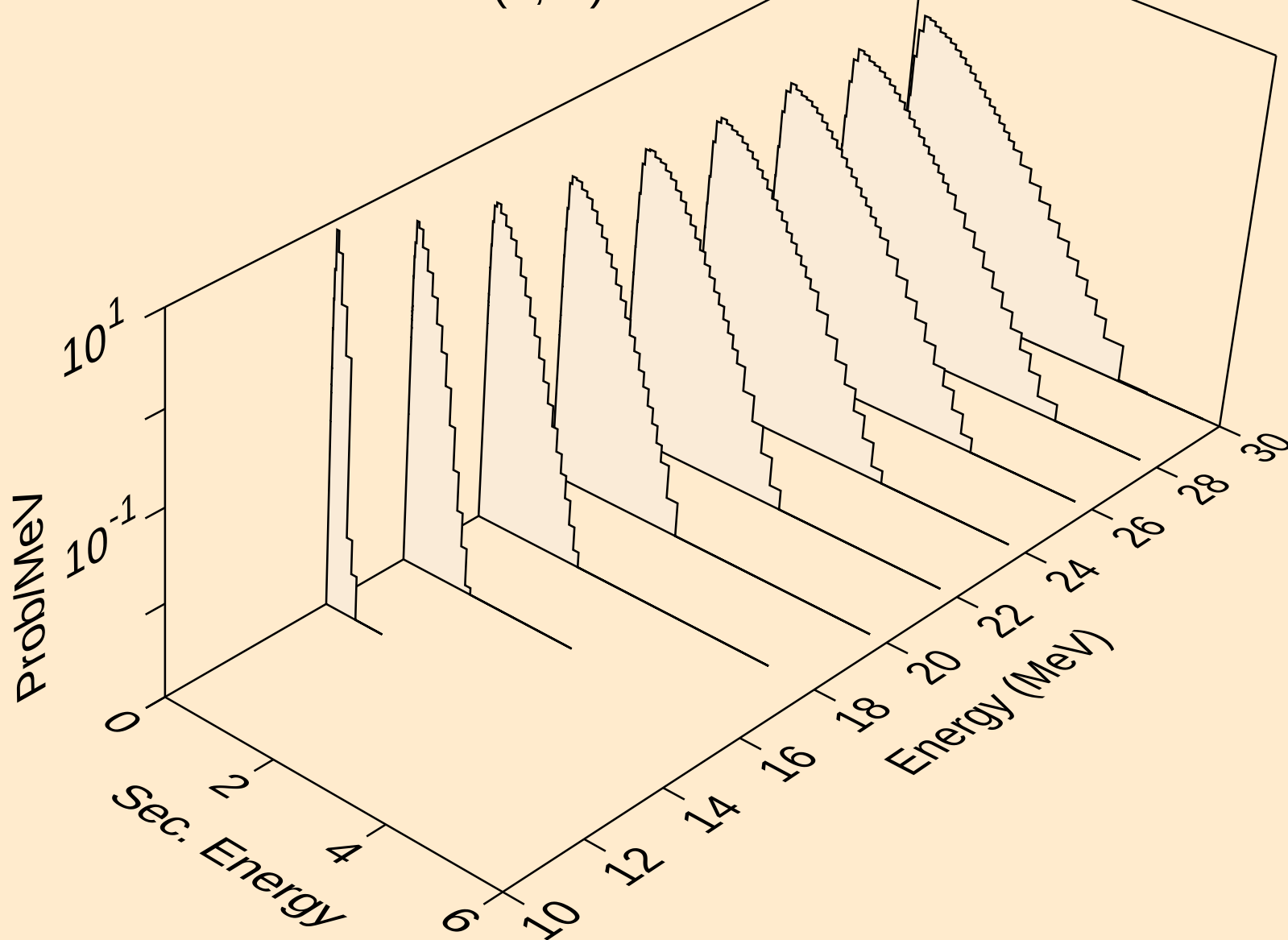
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Neutron emission for (n,2n)2a



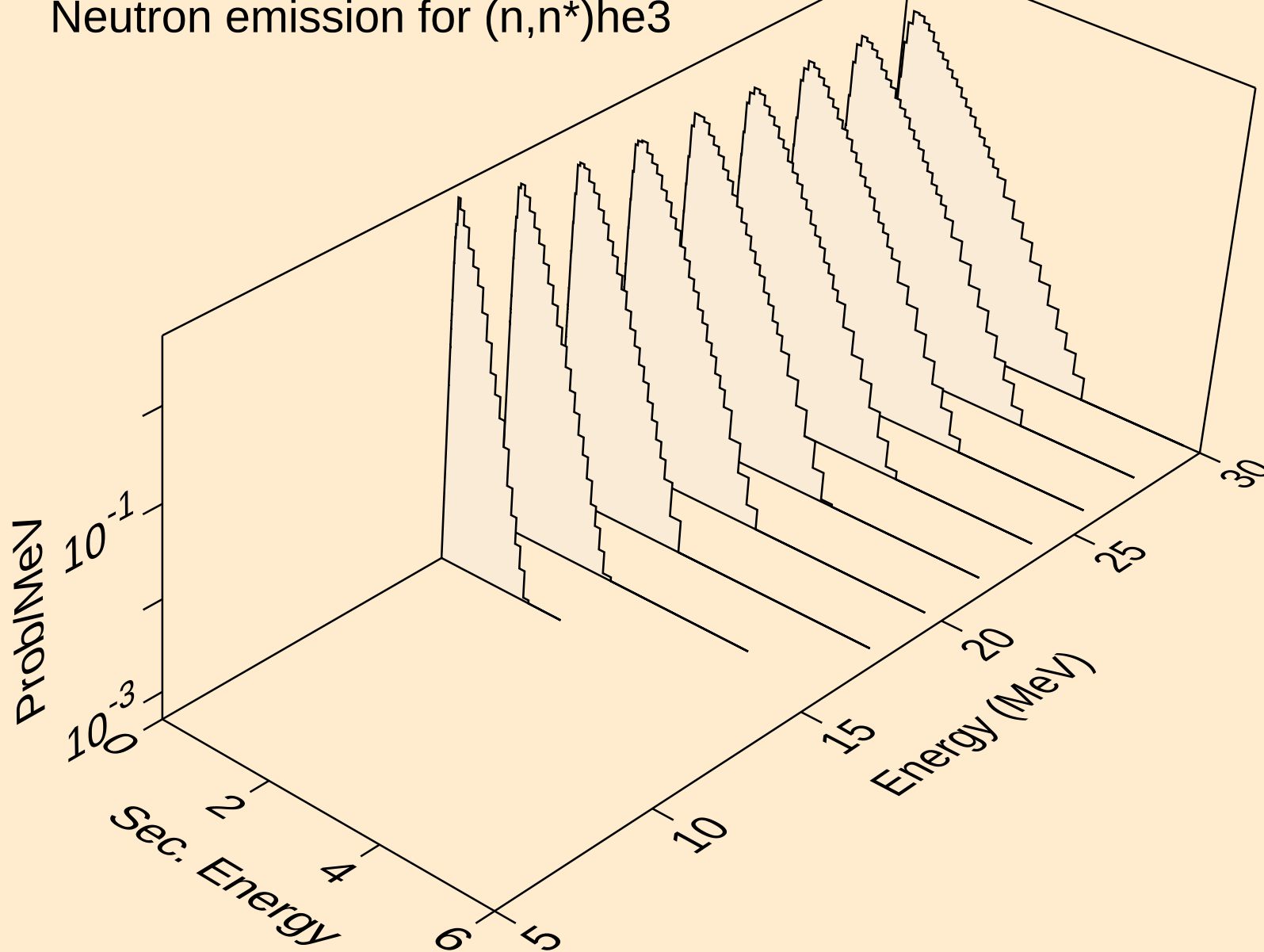
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



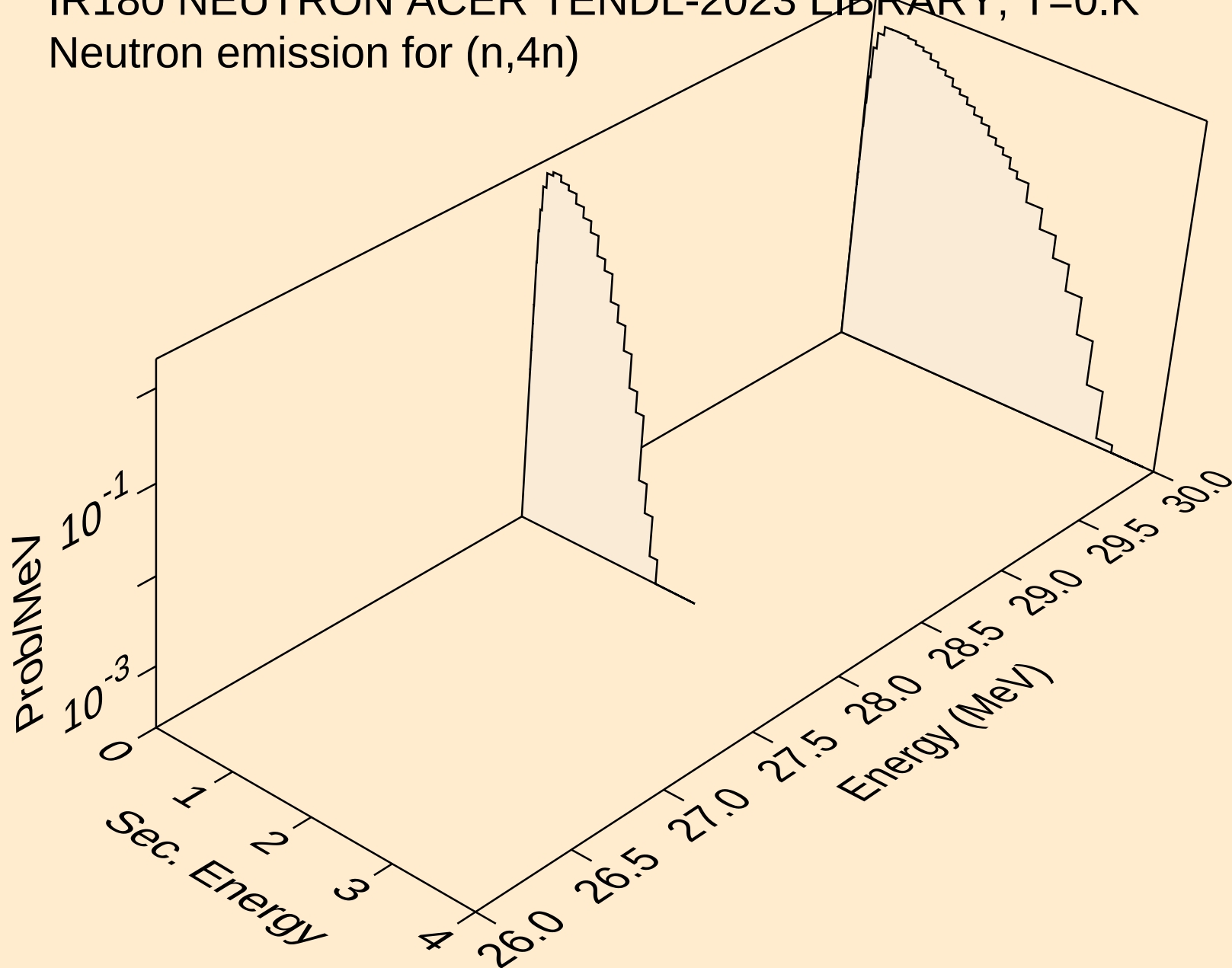
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



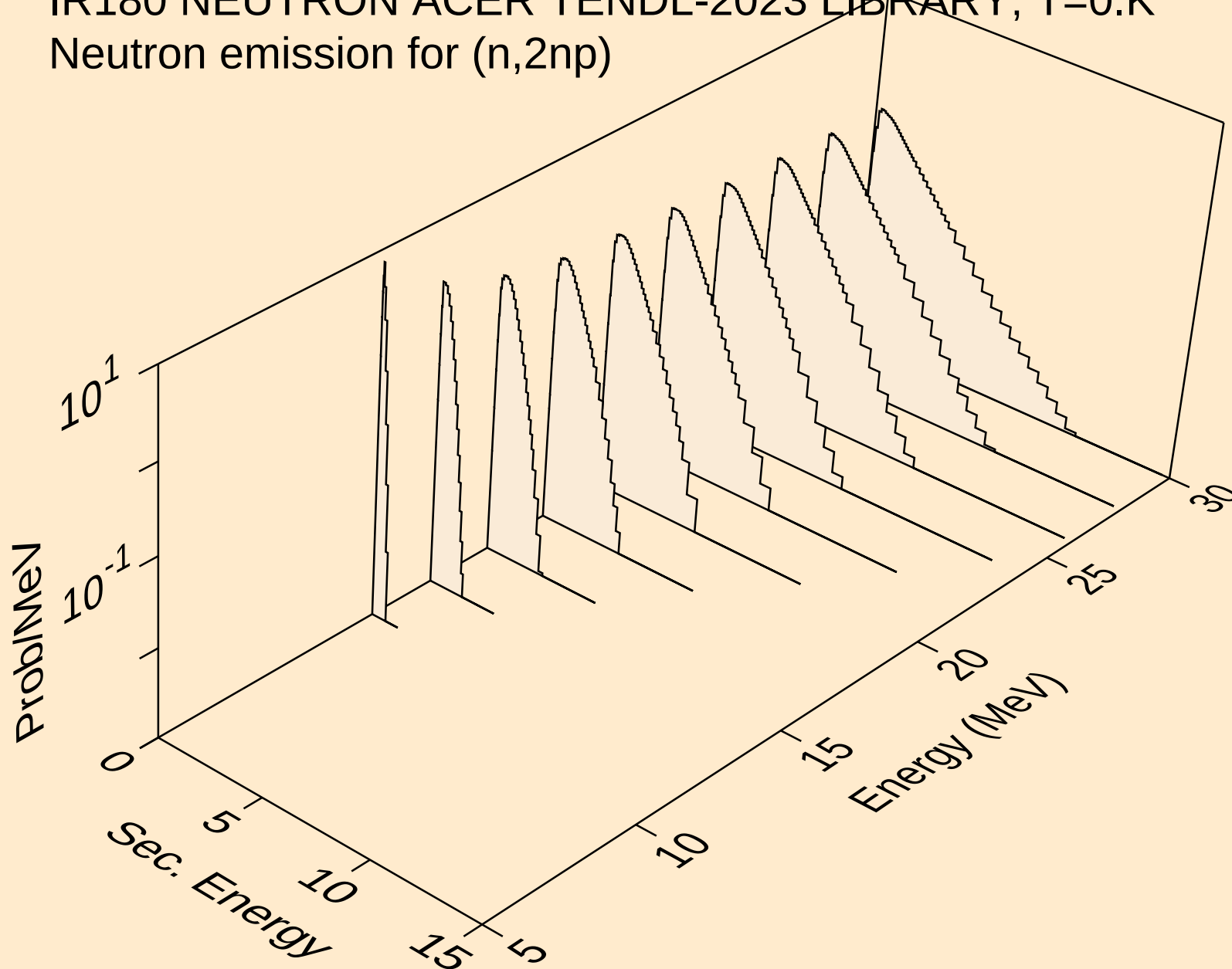
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



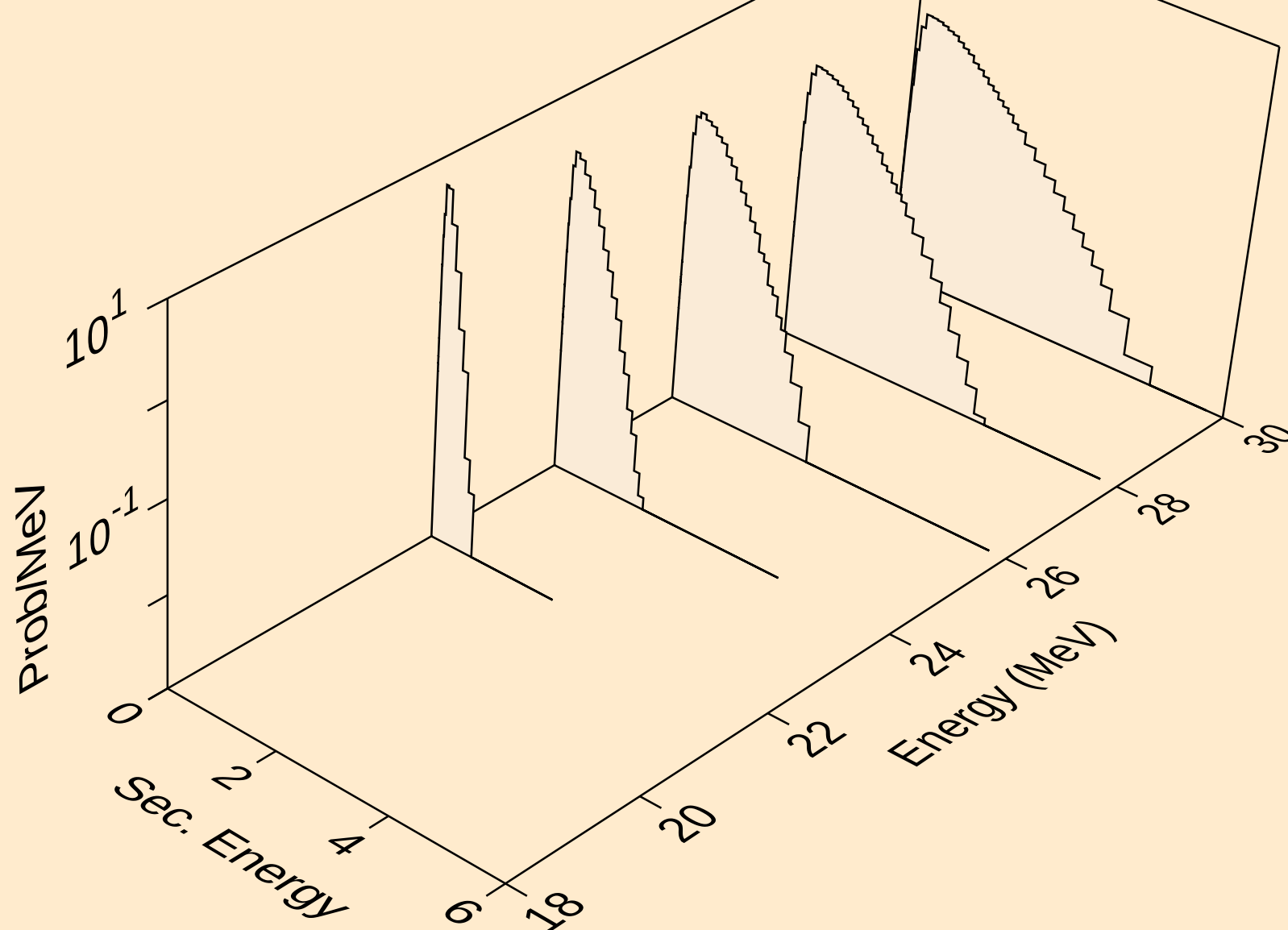
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



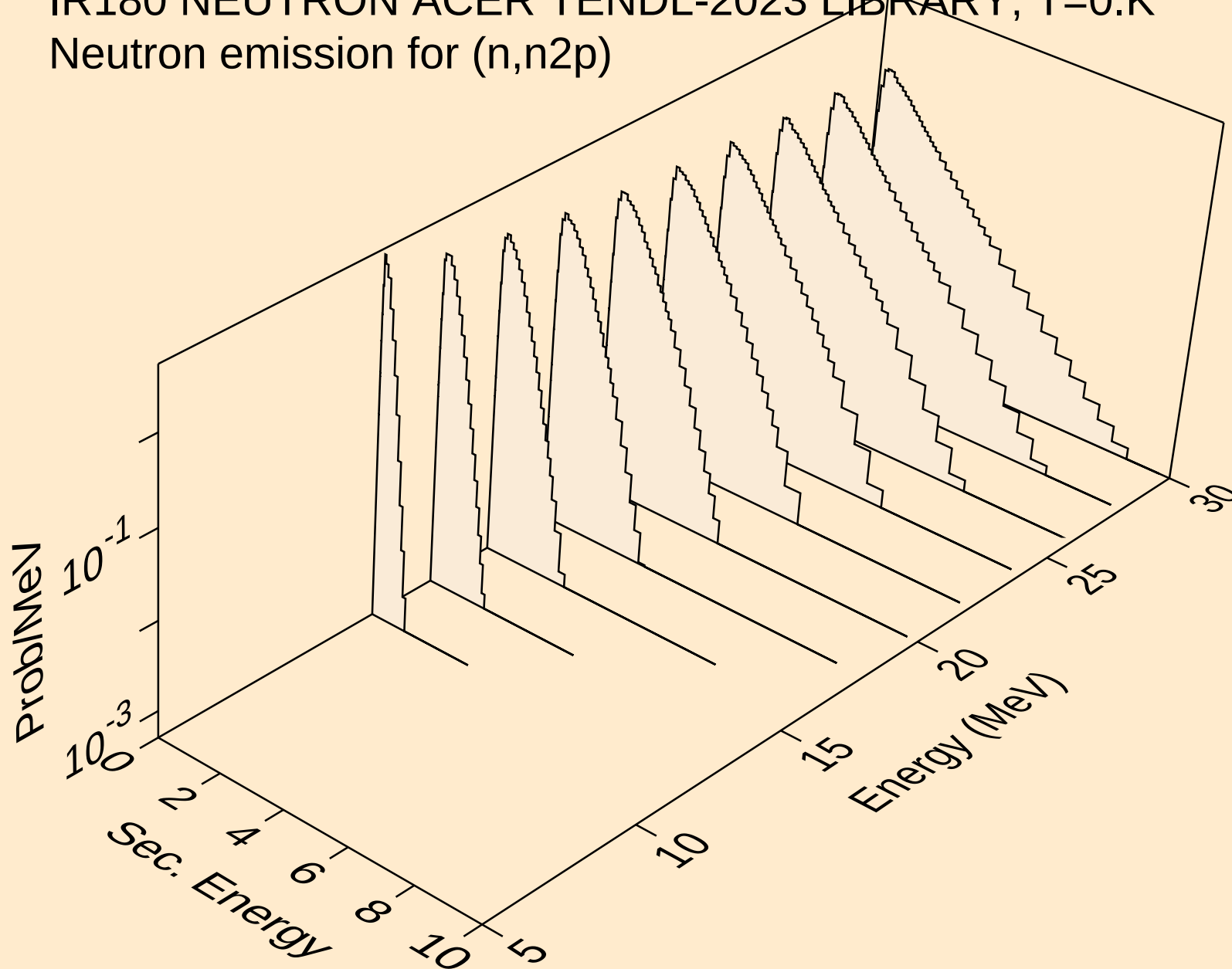
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Neutron emission for (n,2np)



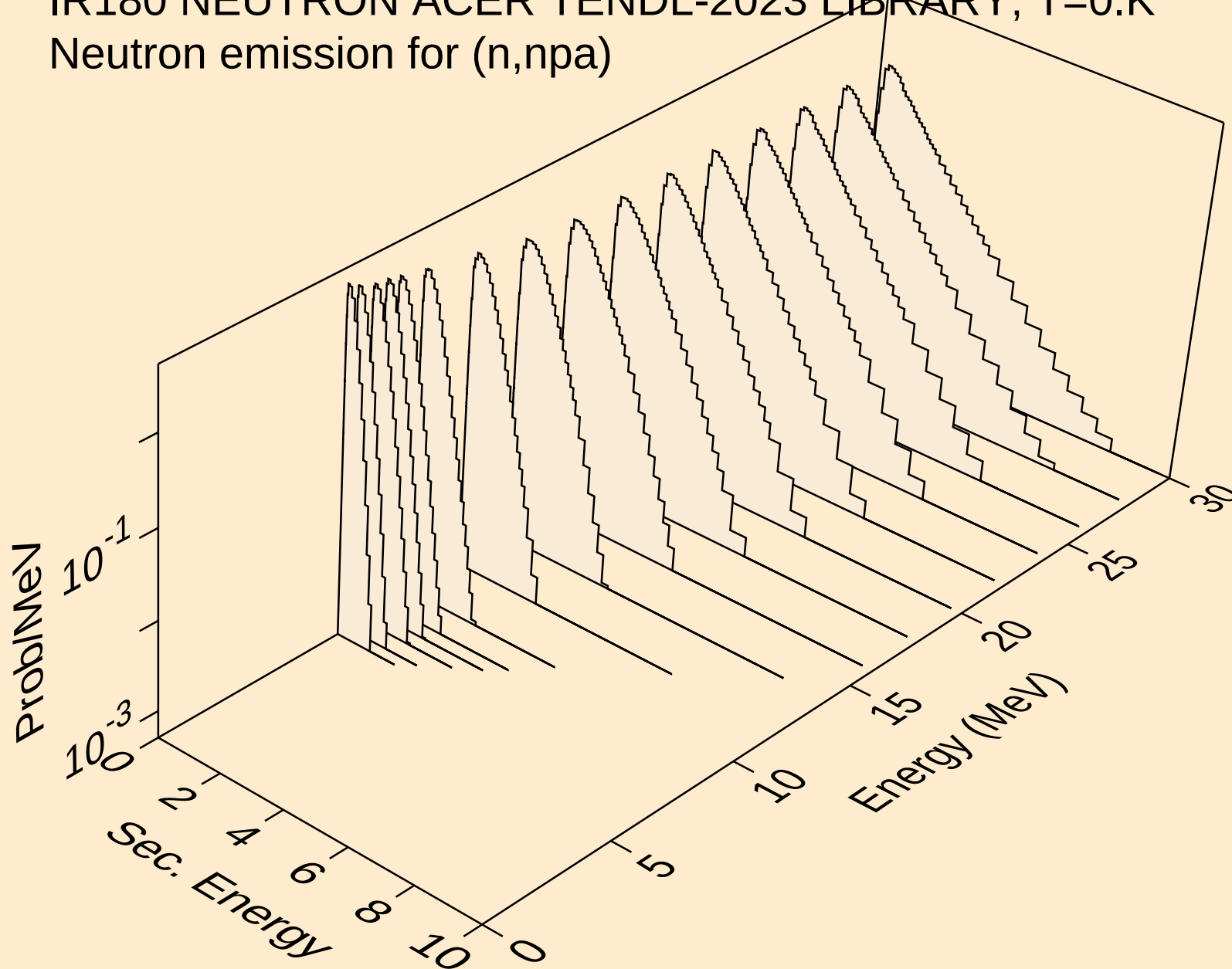
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Neutron emission for (n,3np)



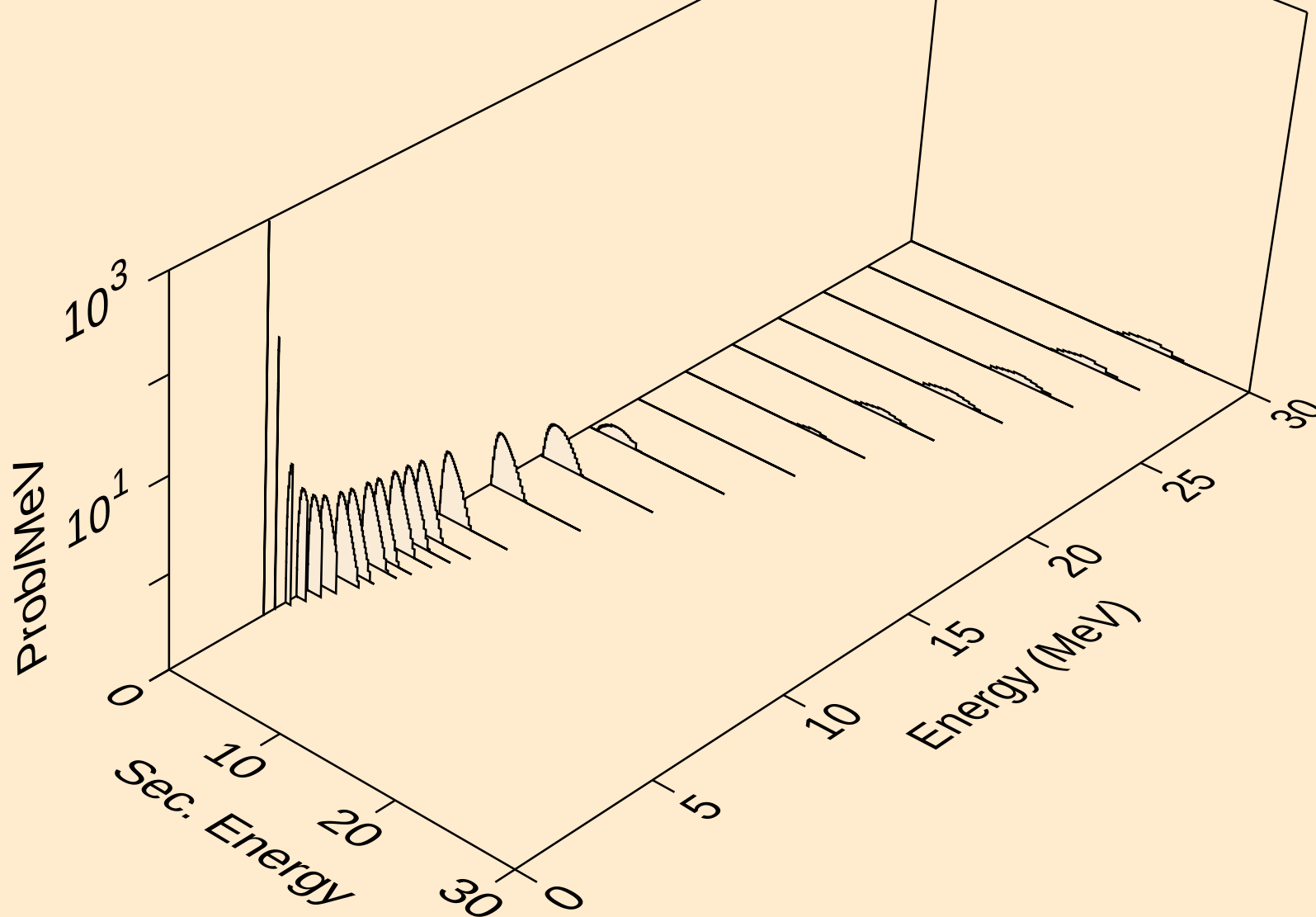
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Neutron emission for (n,n2p)



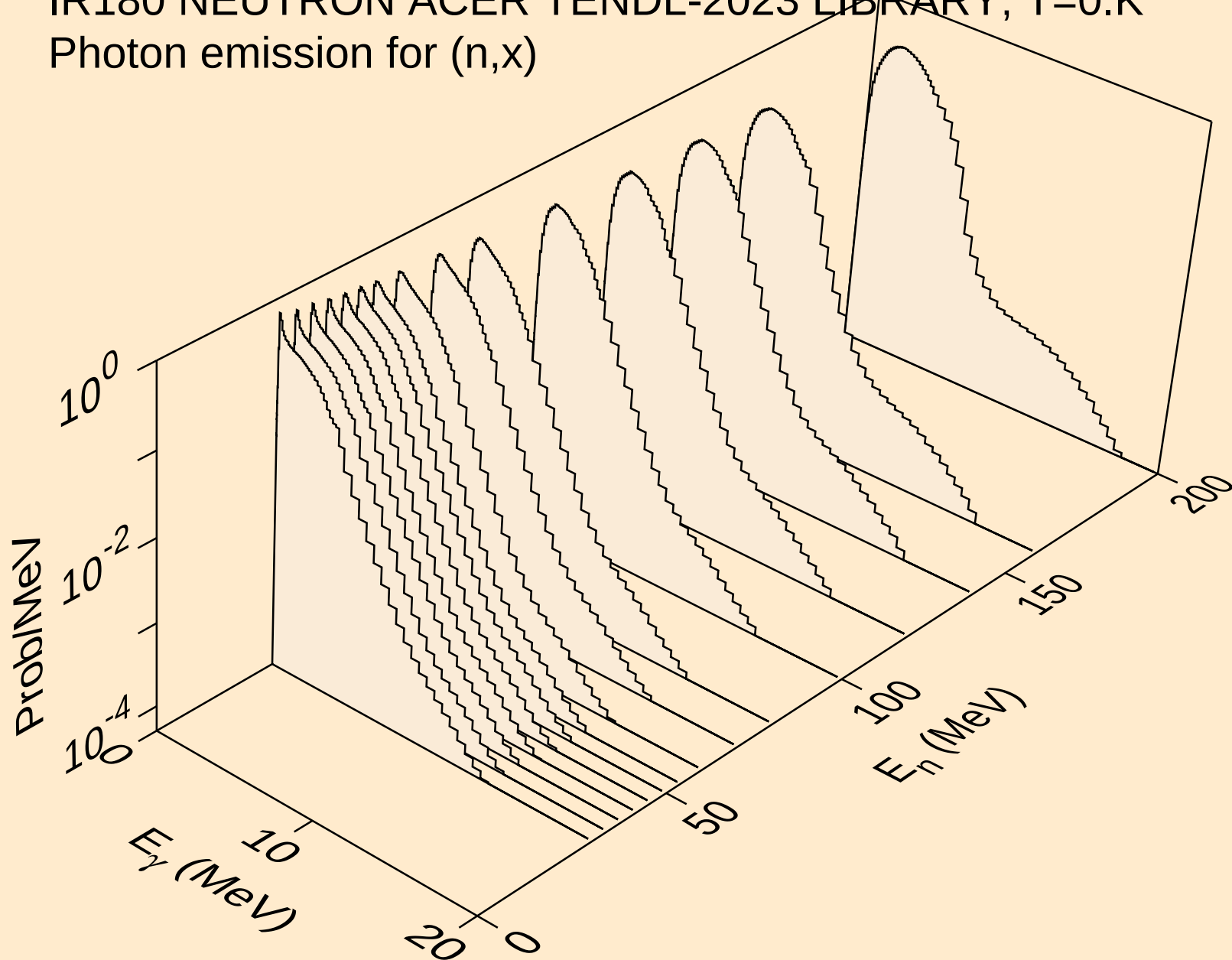
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Neutron emission for (n,npa)



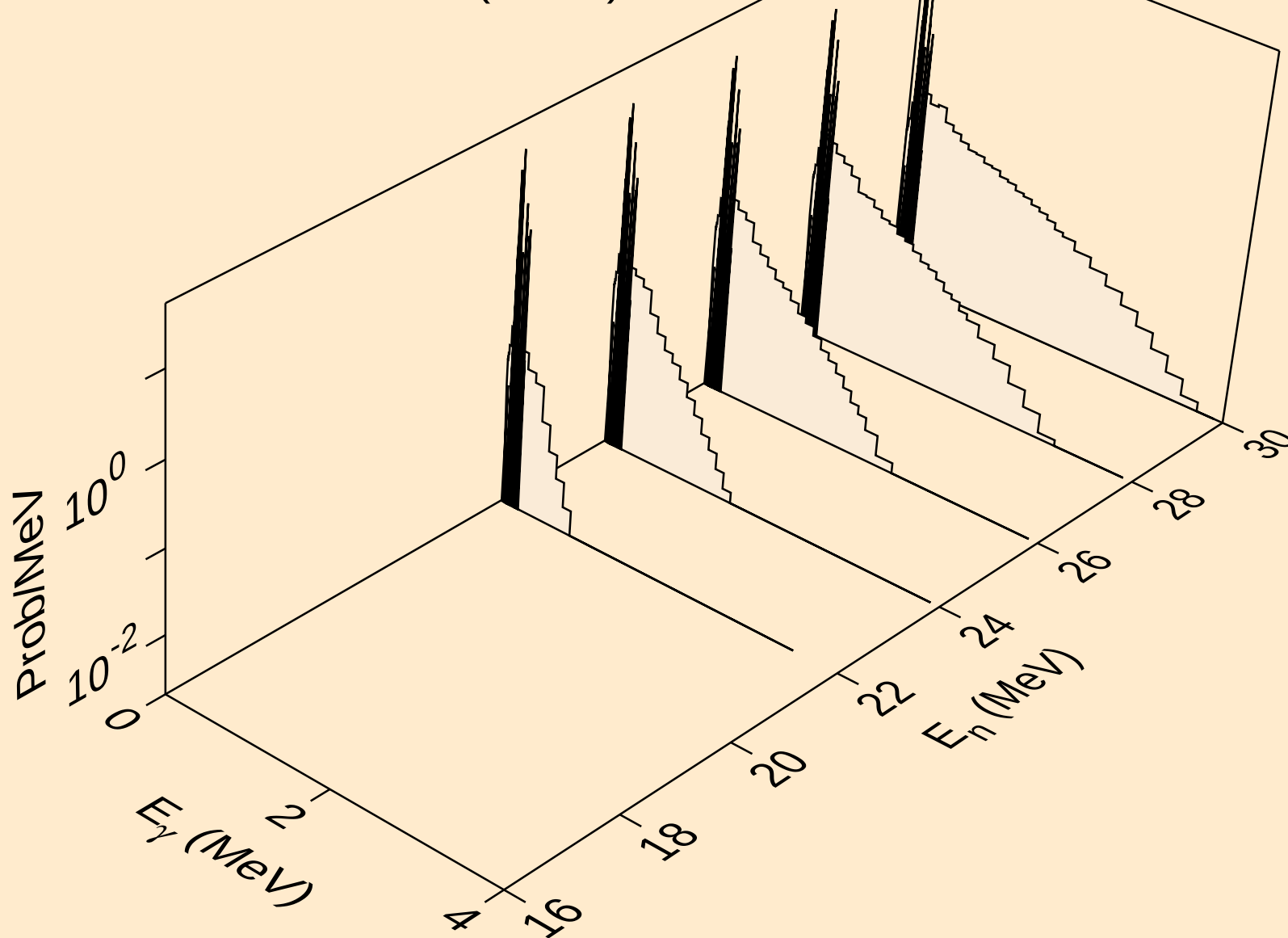
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



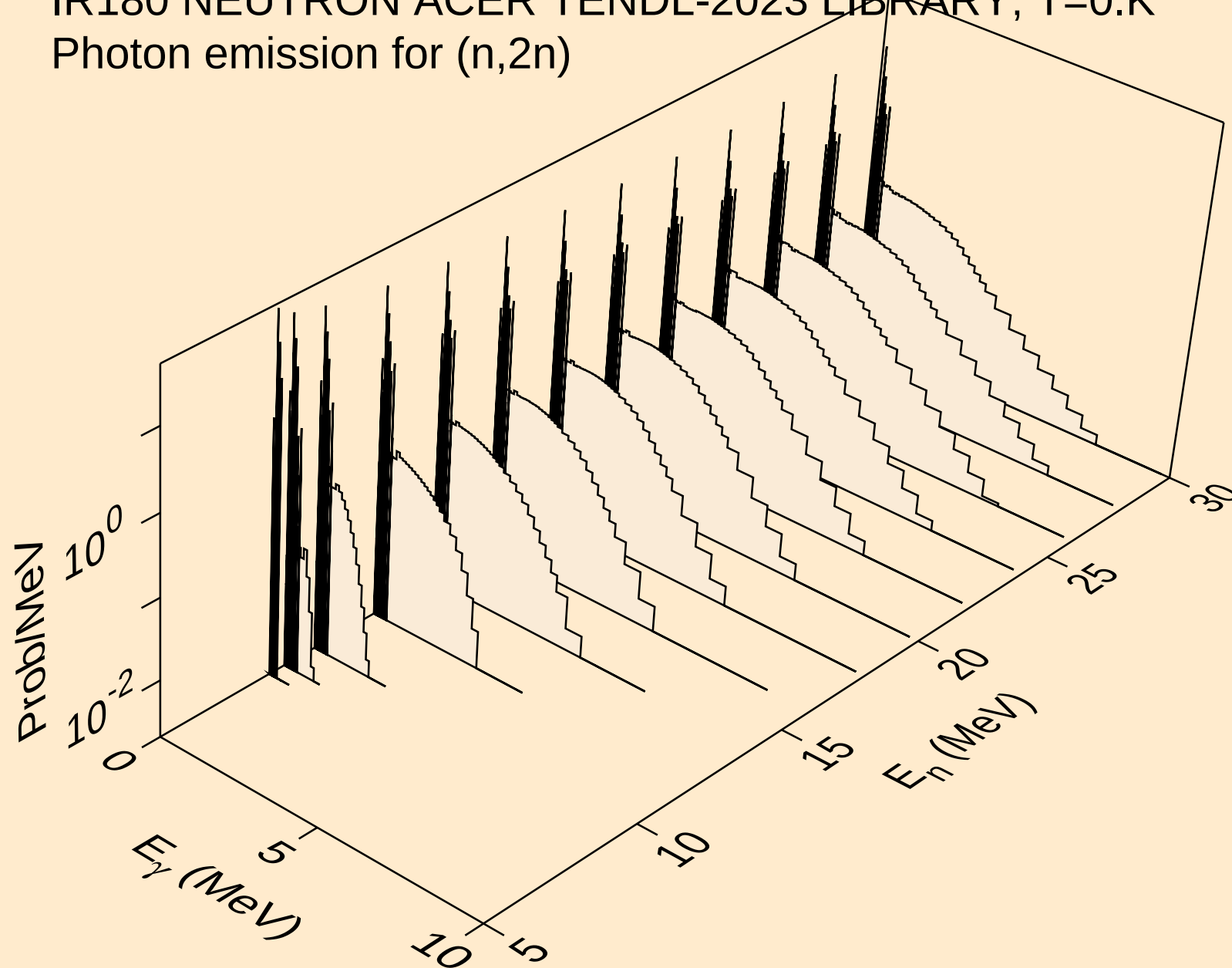
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Photon emission for (n,x)



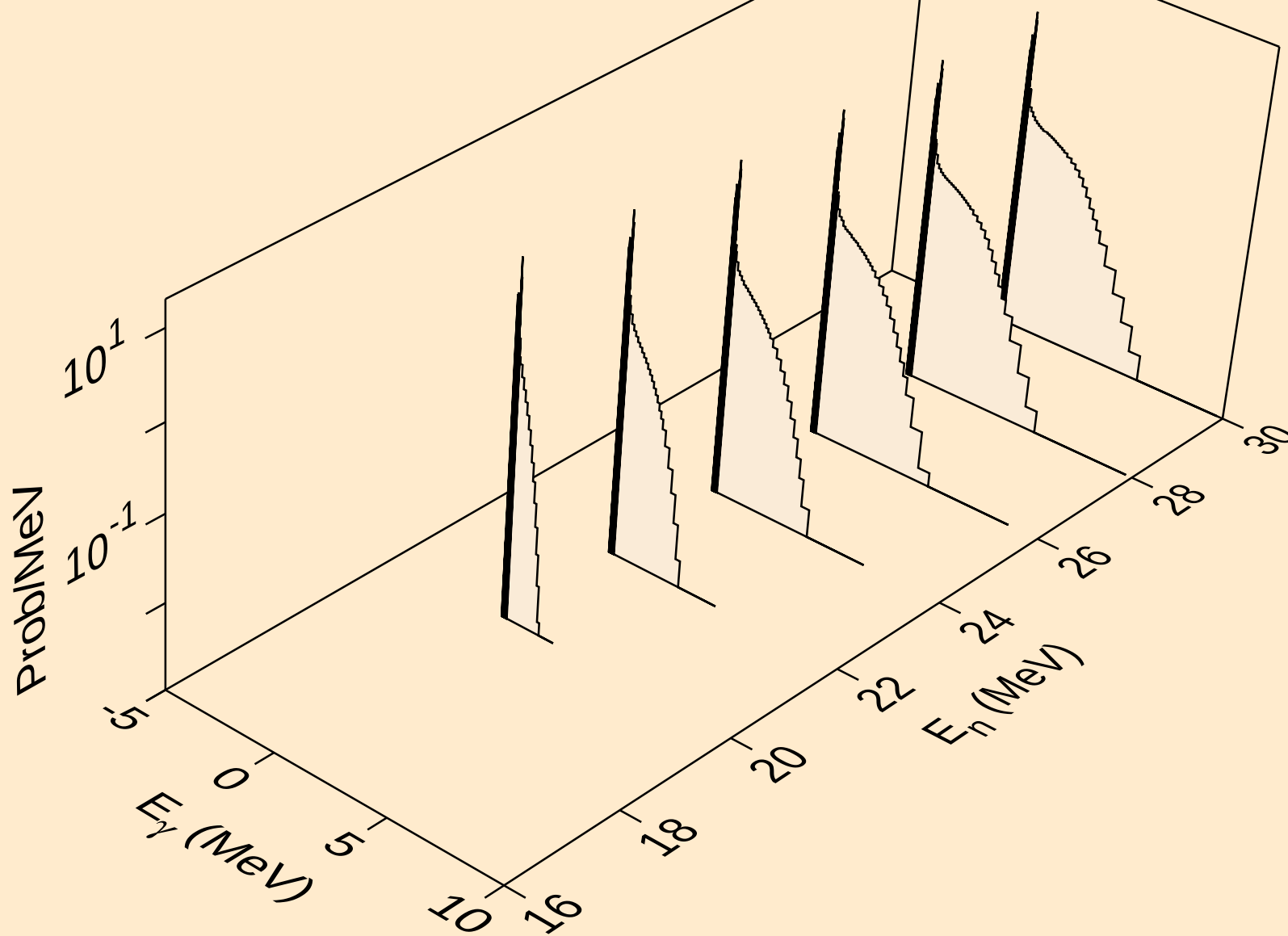
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Photon emission for (n,2nd)



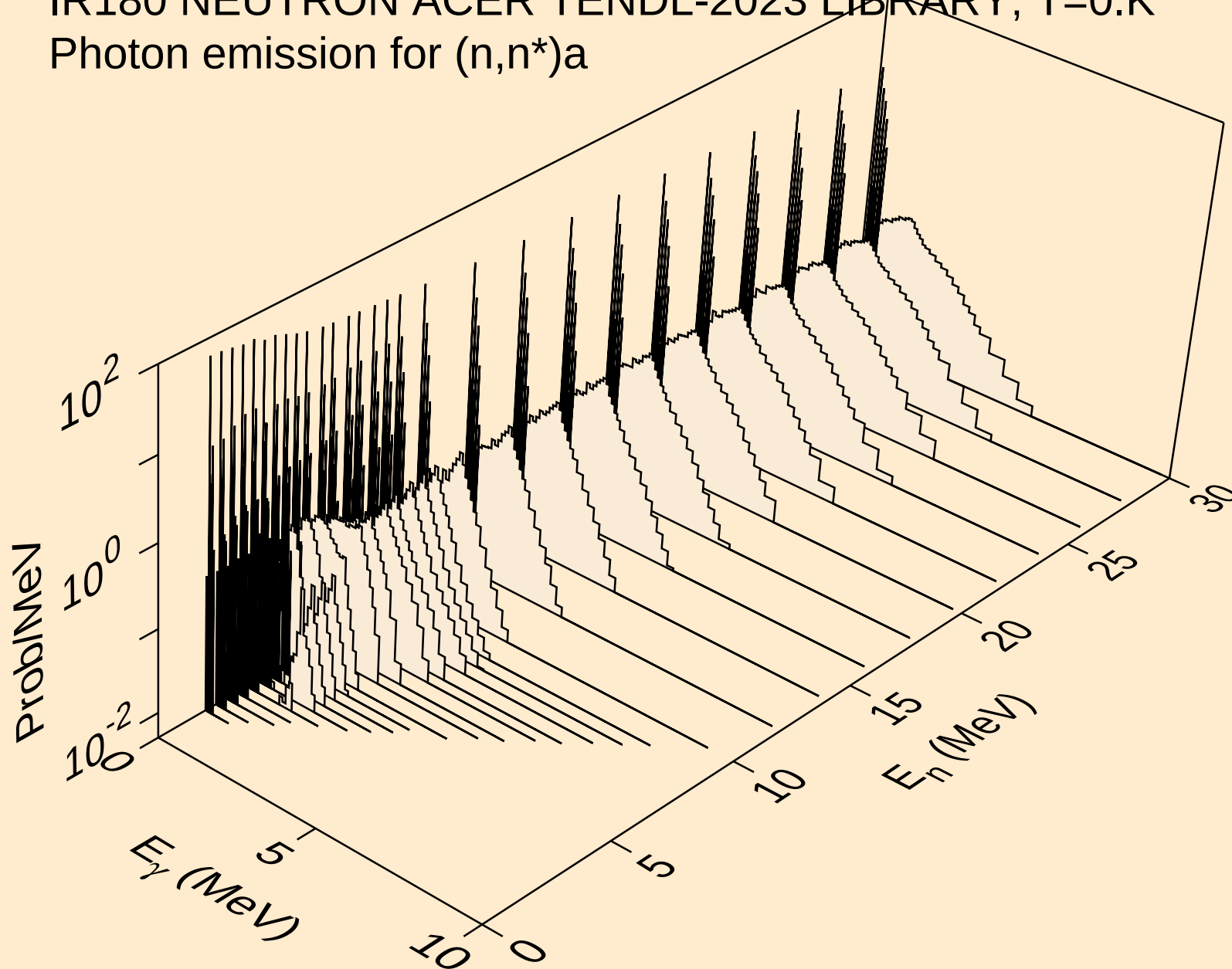
IR180 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

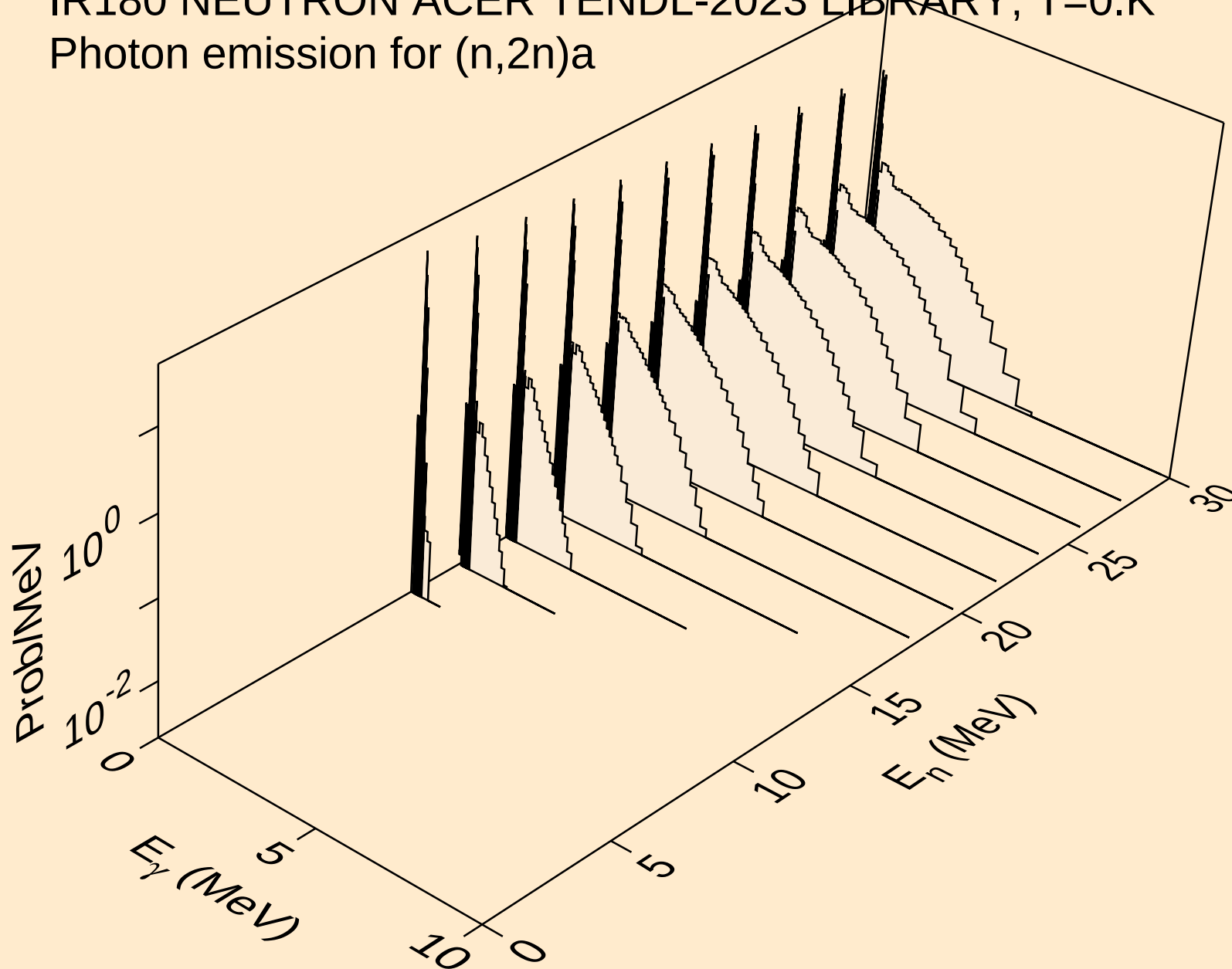


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Photon emission for (n,n*)a



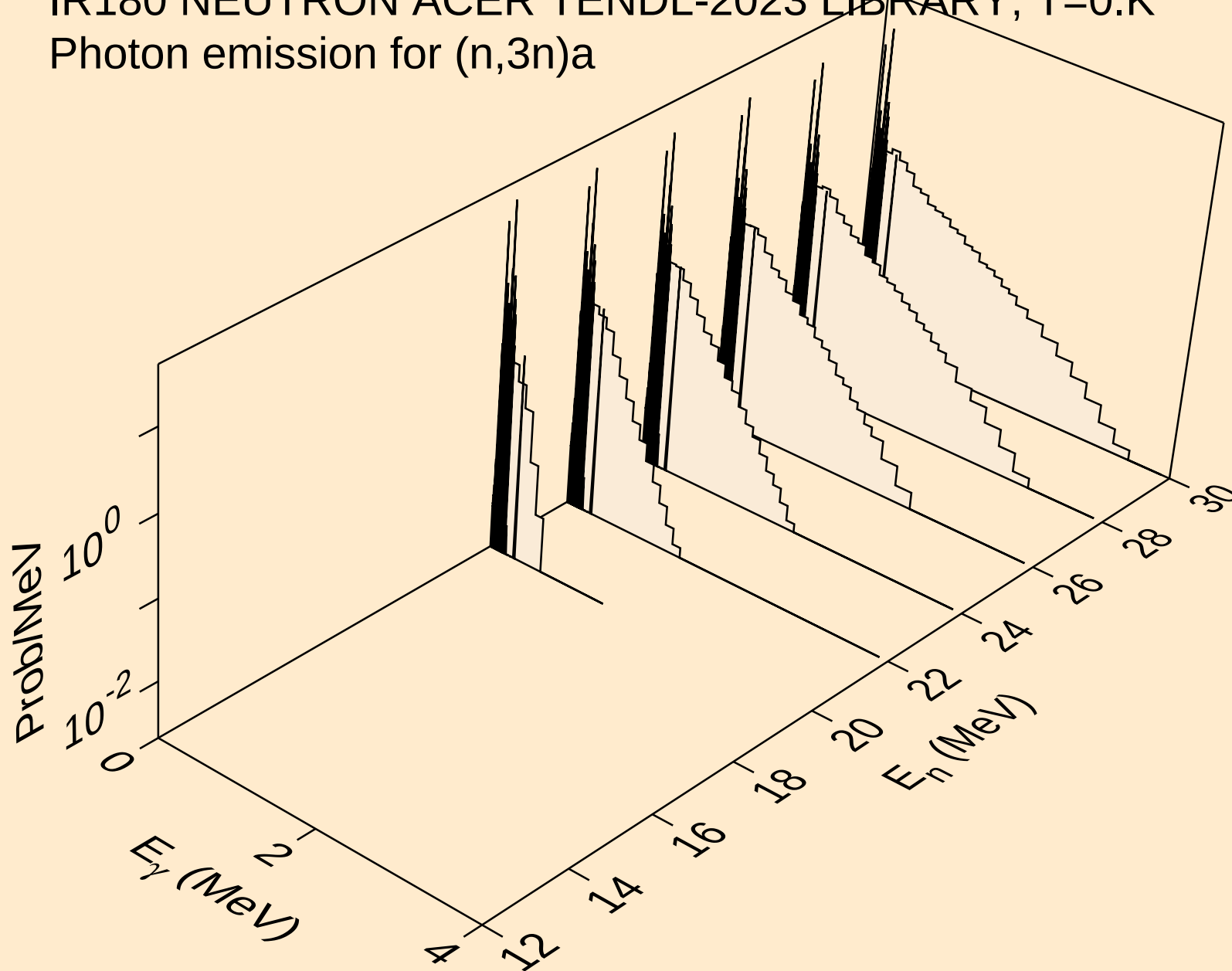
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α

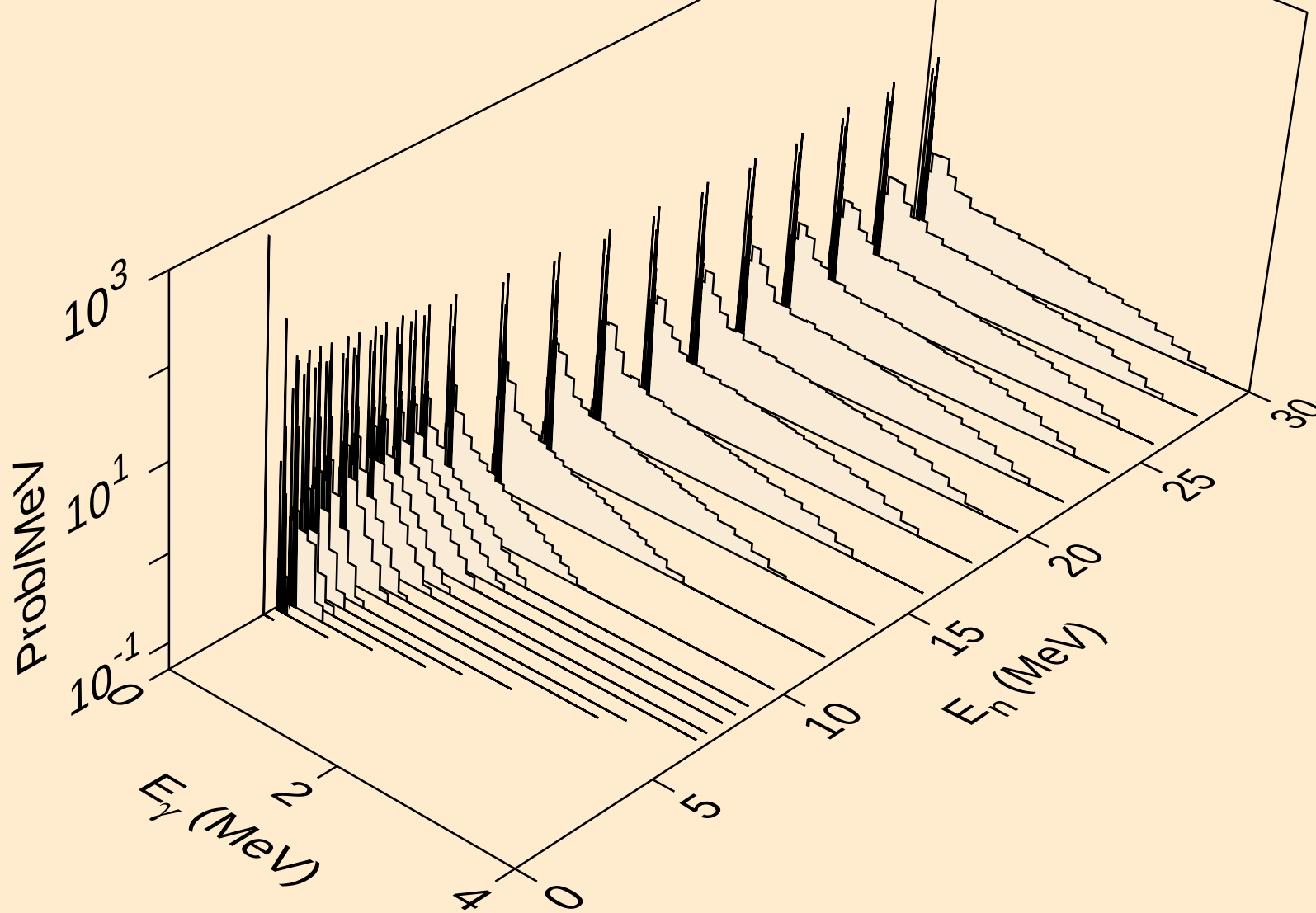


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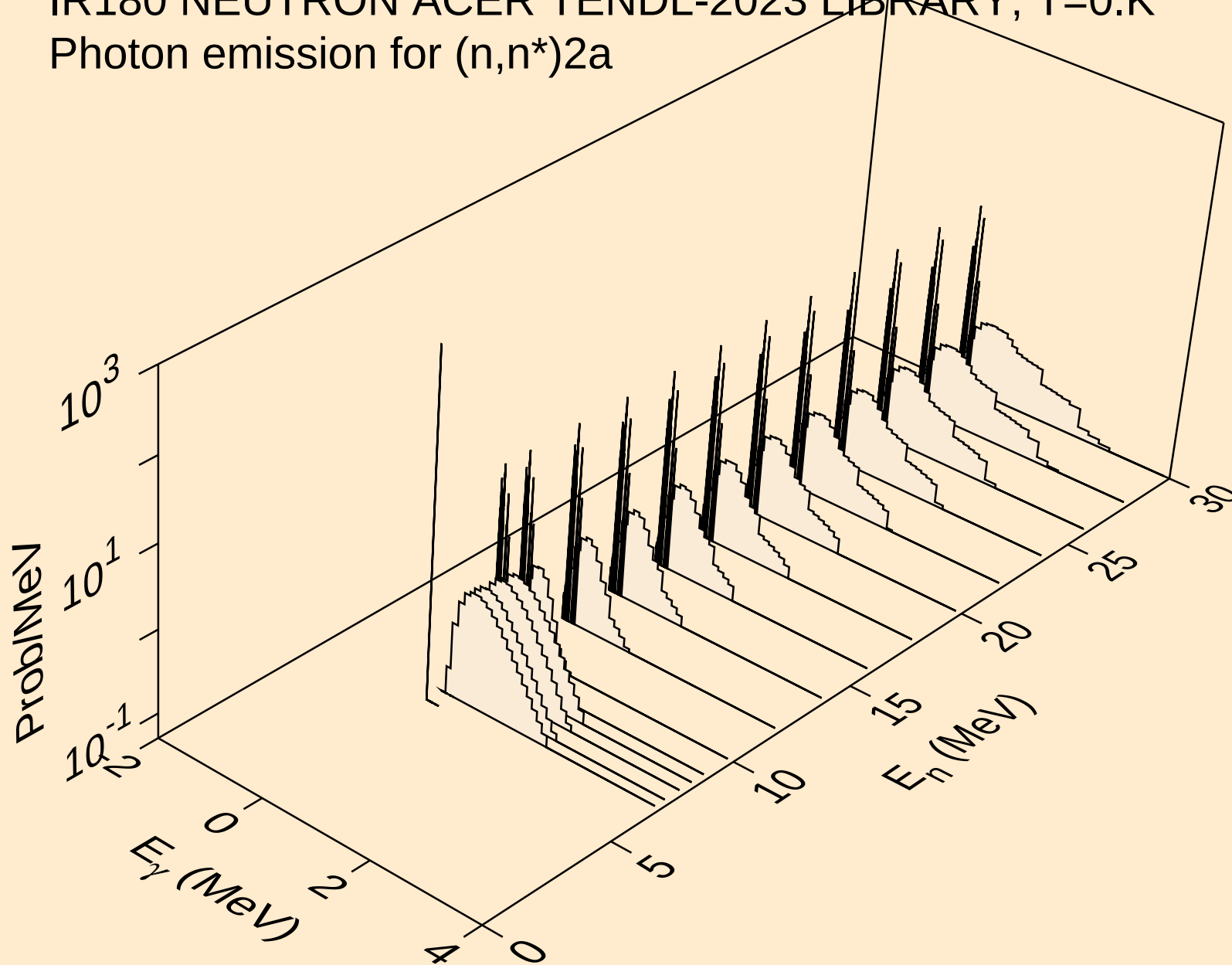
Photon emission for (n,3n) α



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p

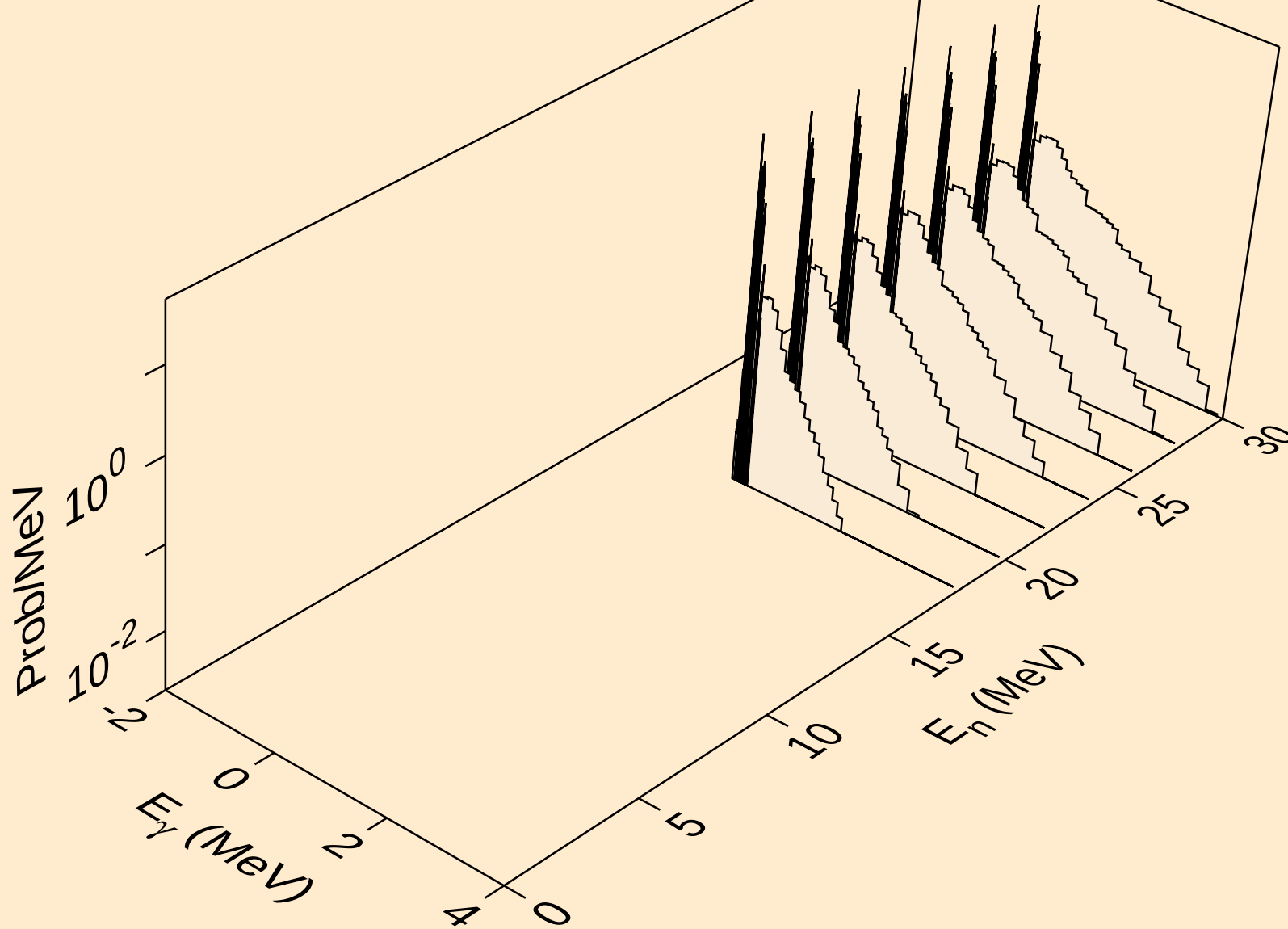


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Photon emission for (n,n*)2a



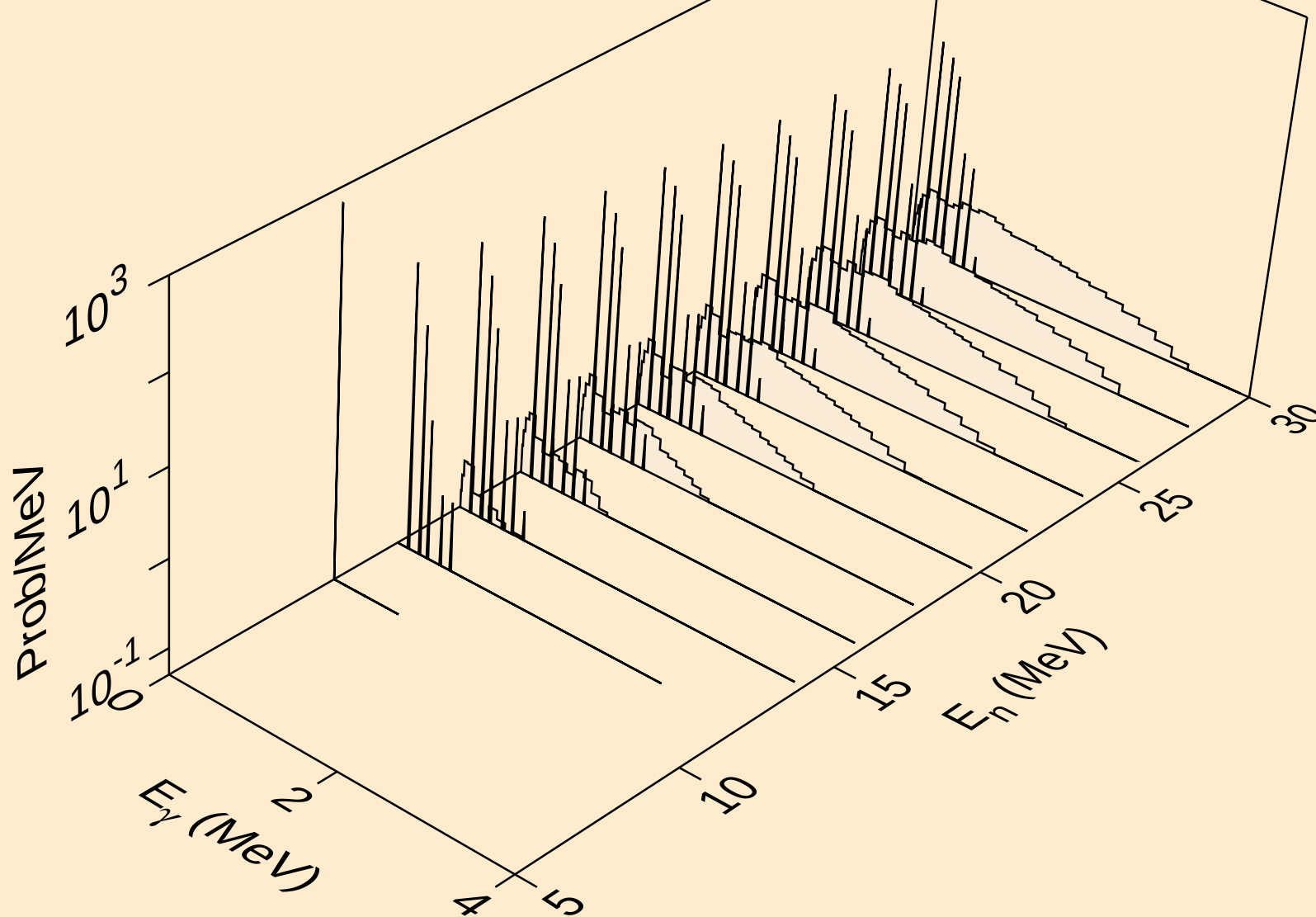
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Photon emission for (n,2n)2a



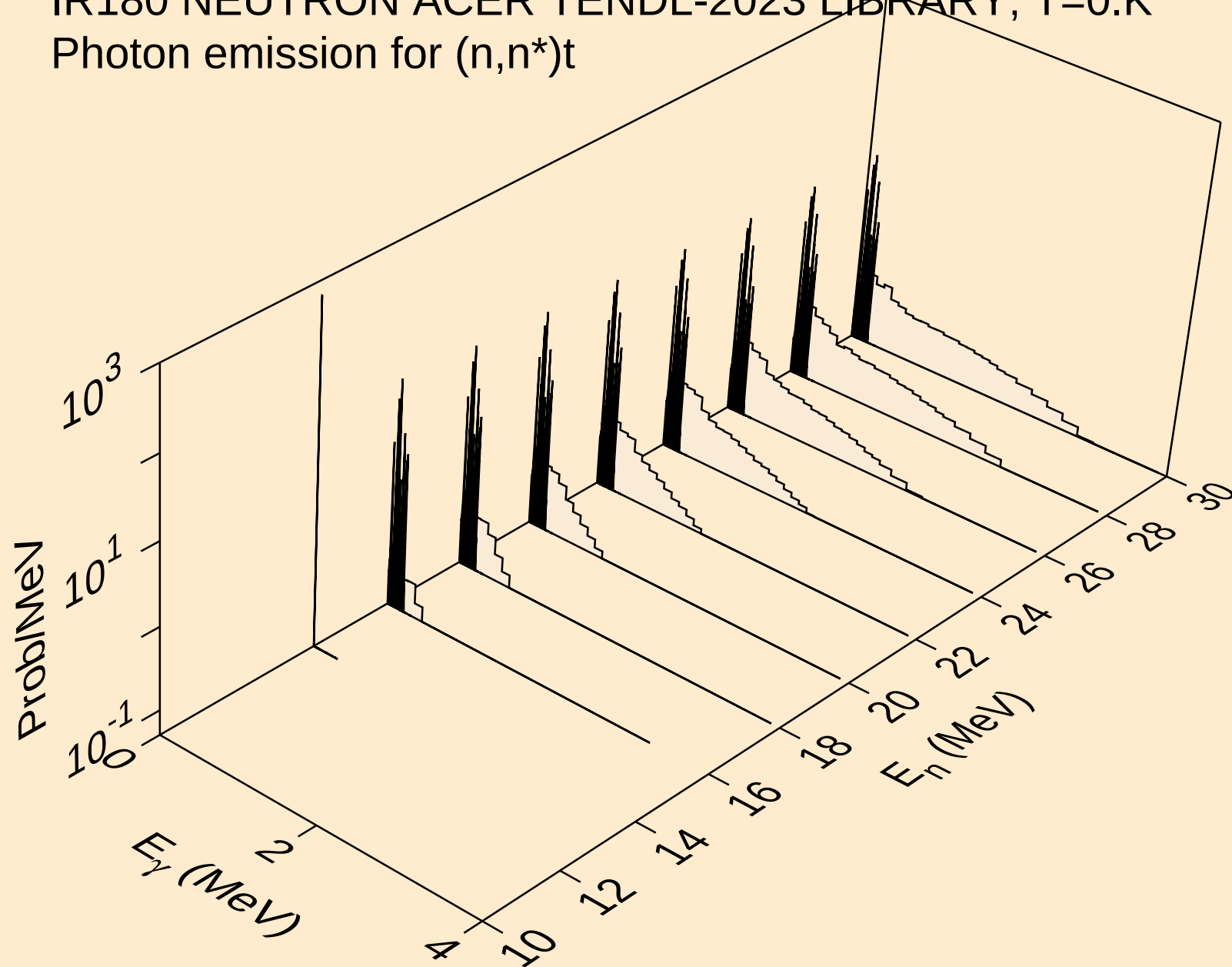
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Photon emission for (n,n*)d

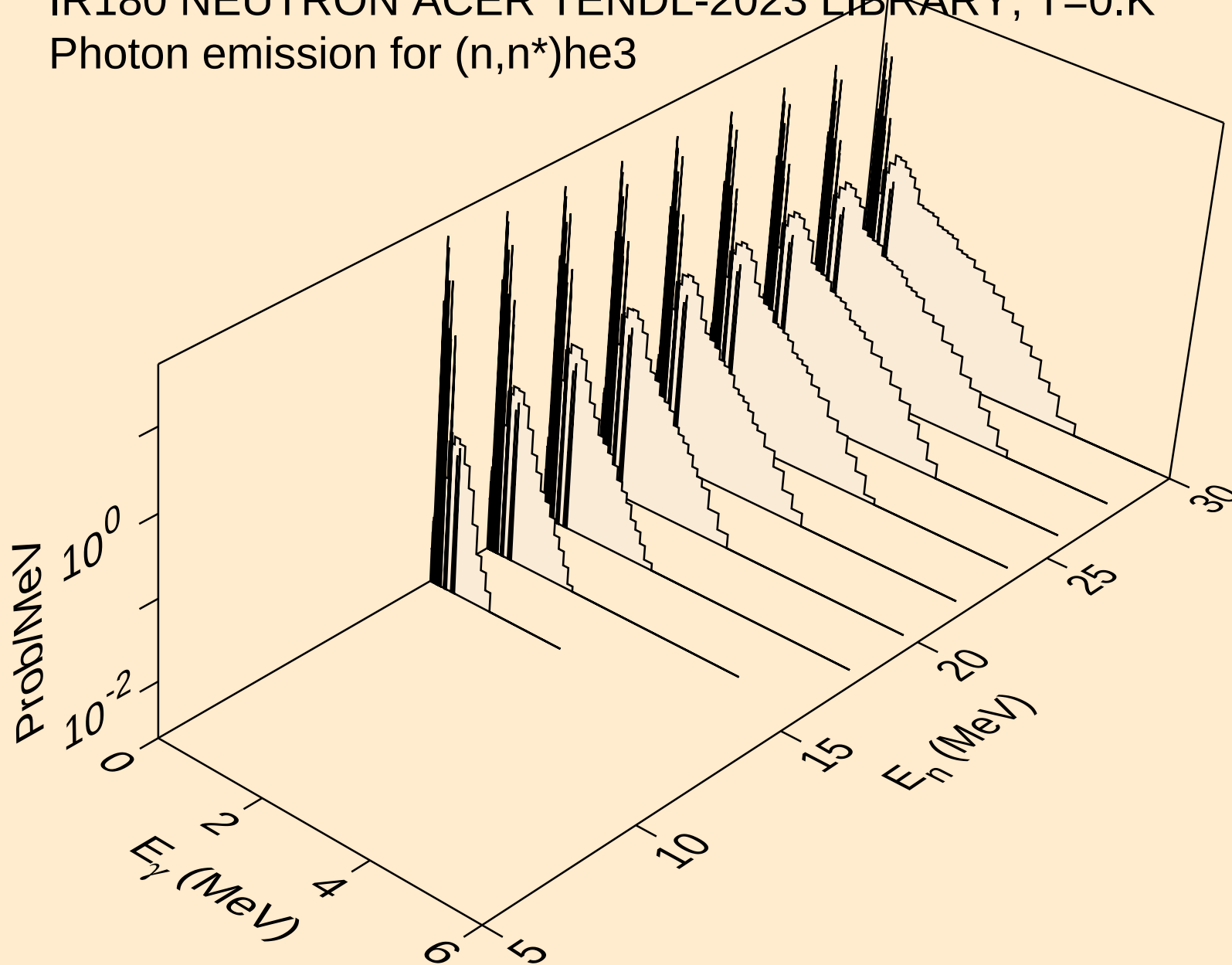


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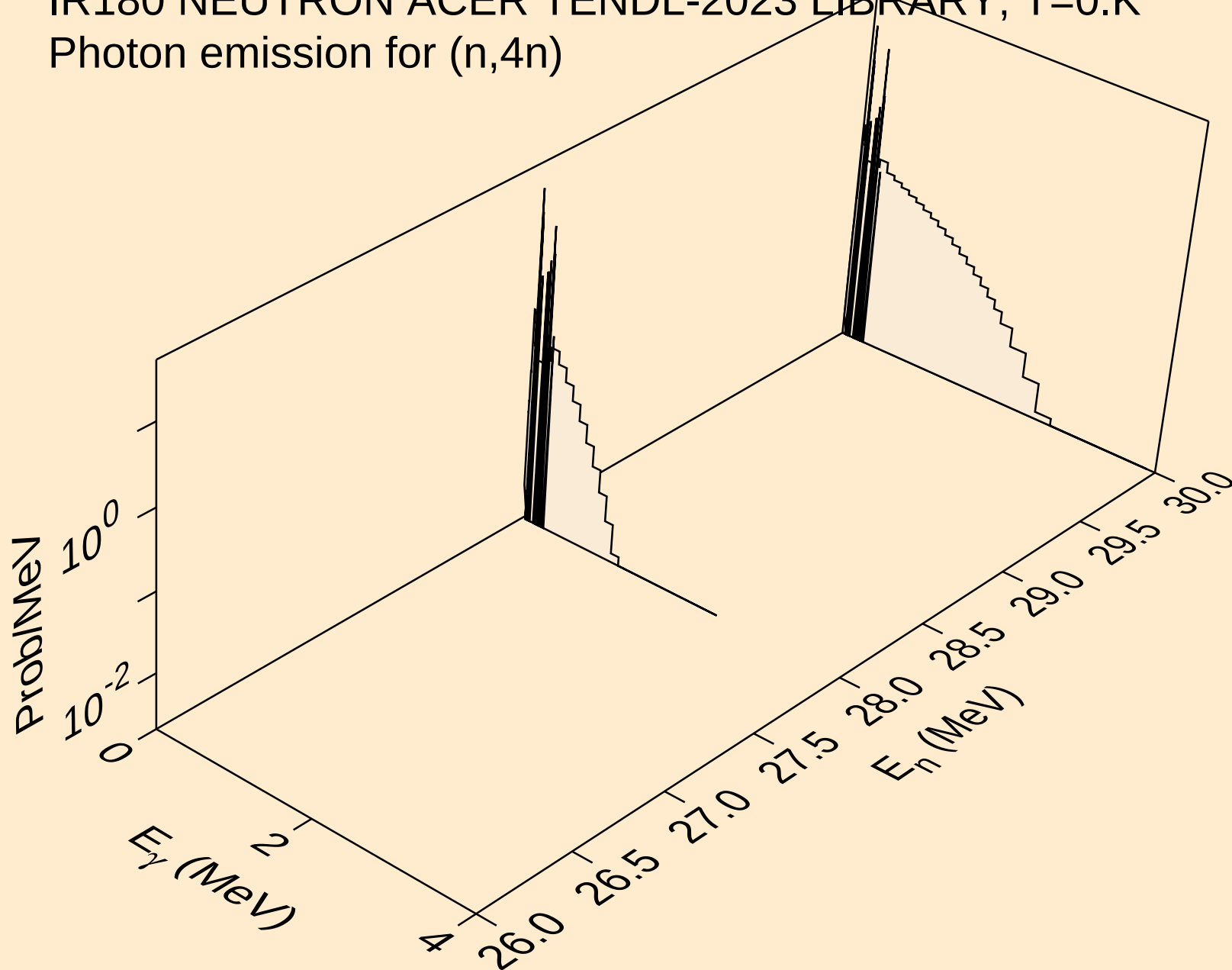
Photon emission for (n,n*)t



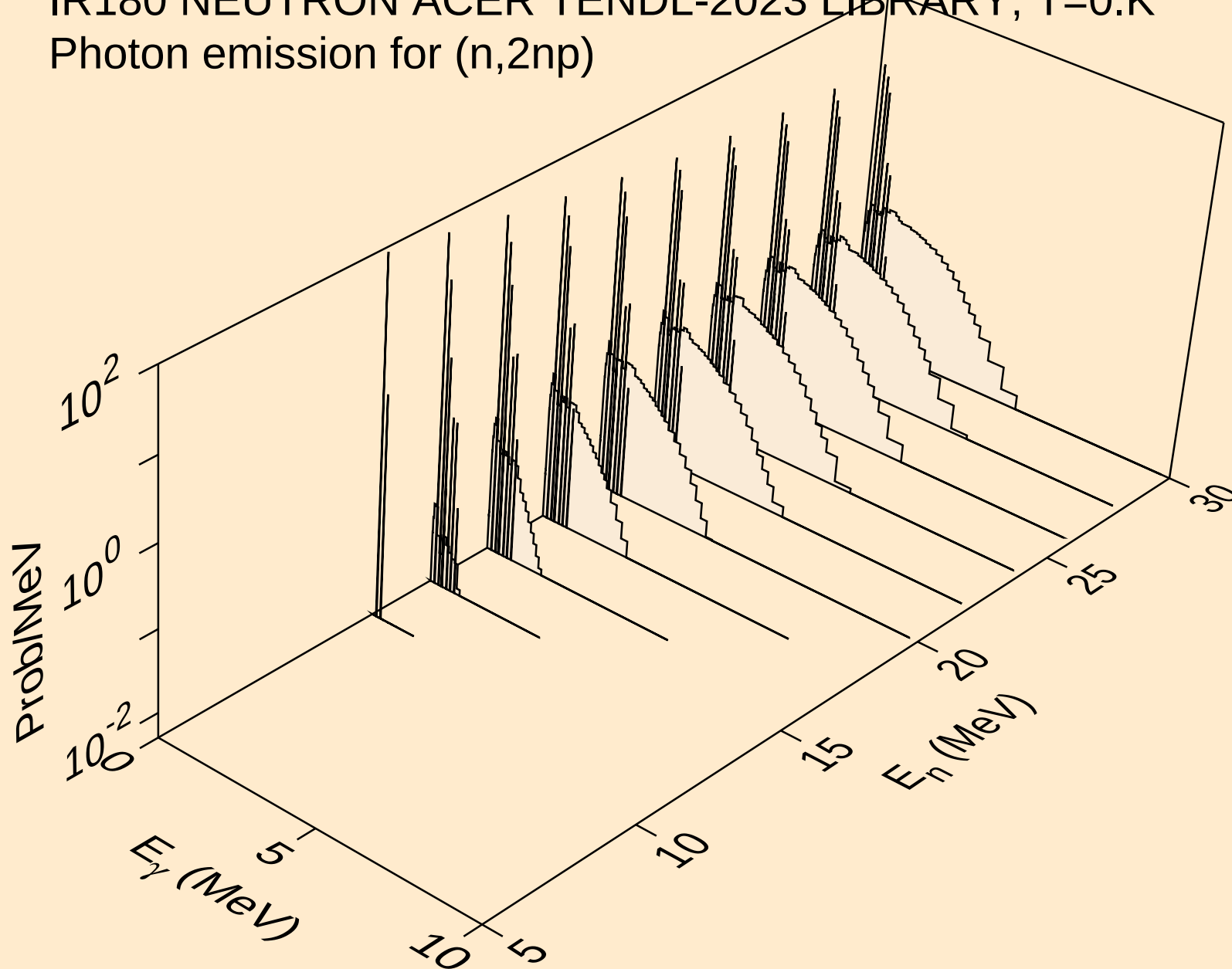
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



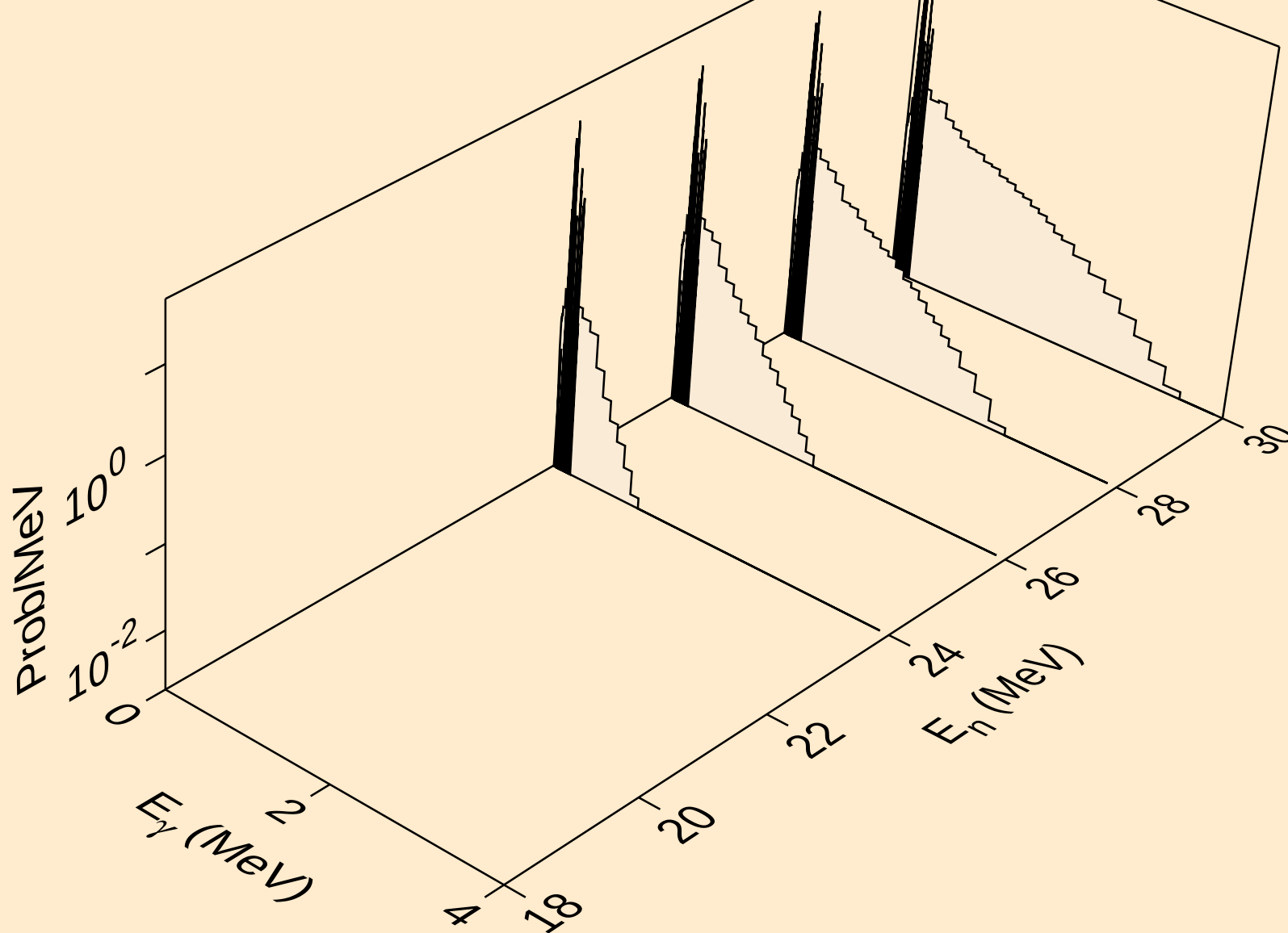
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



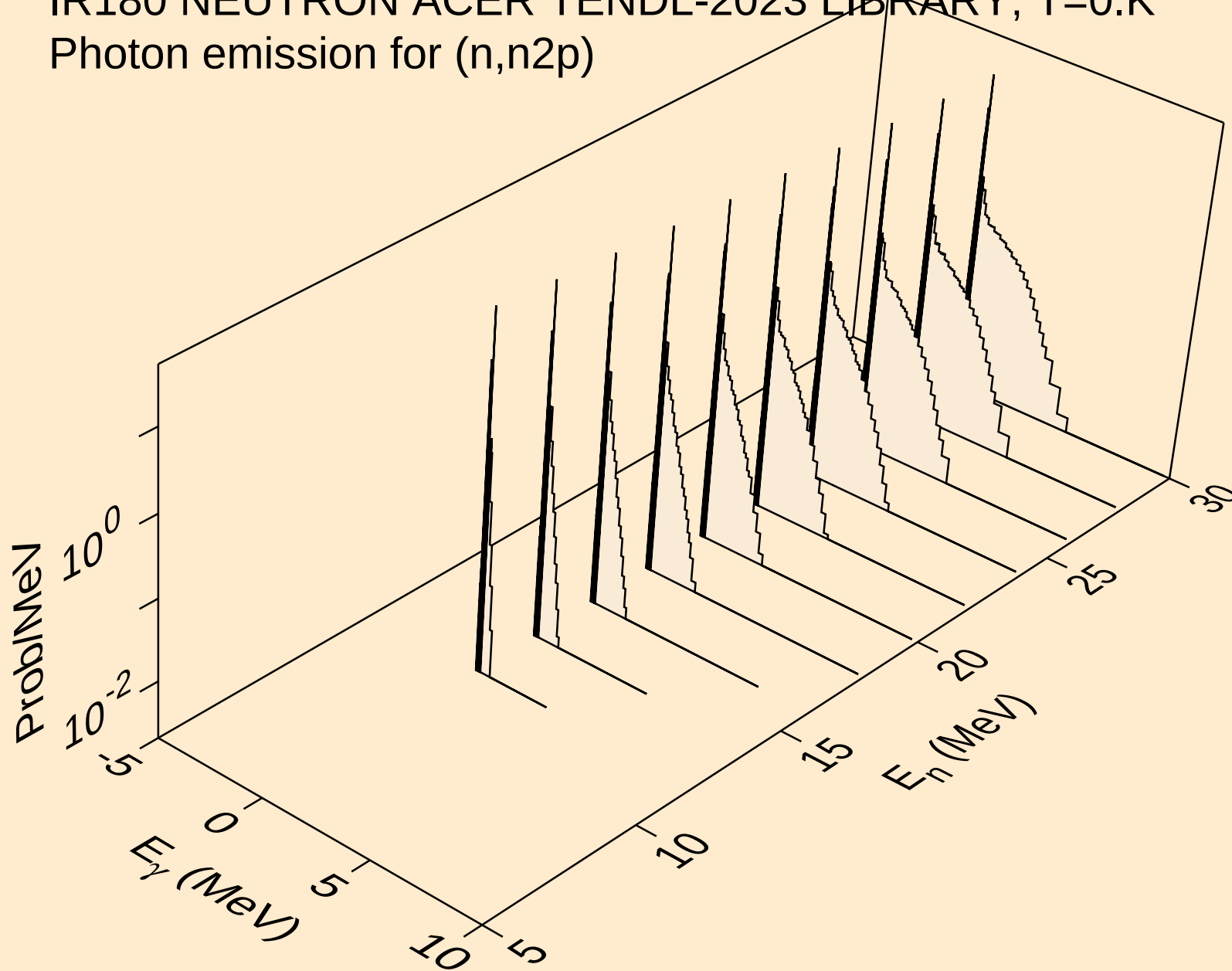
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



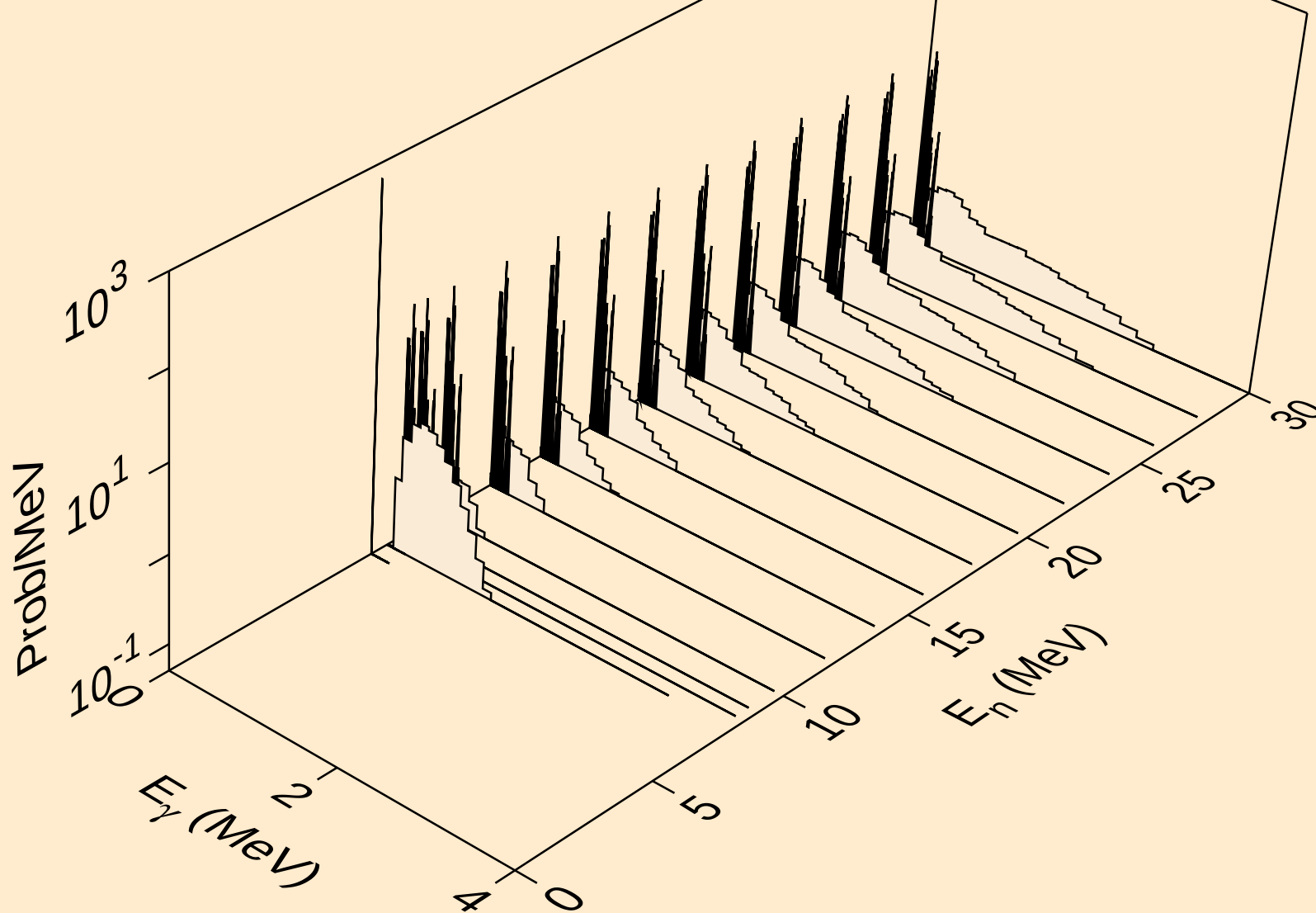
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



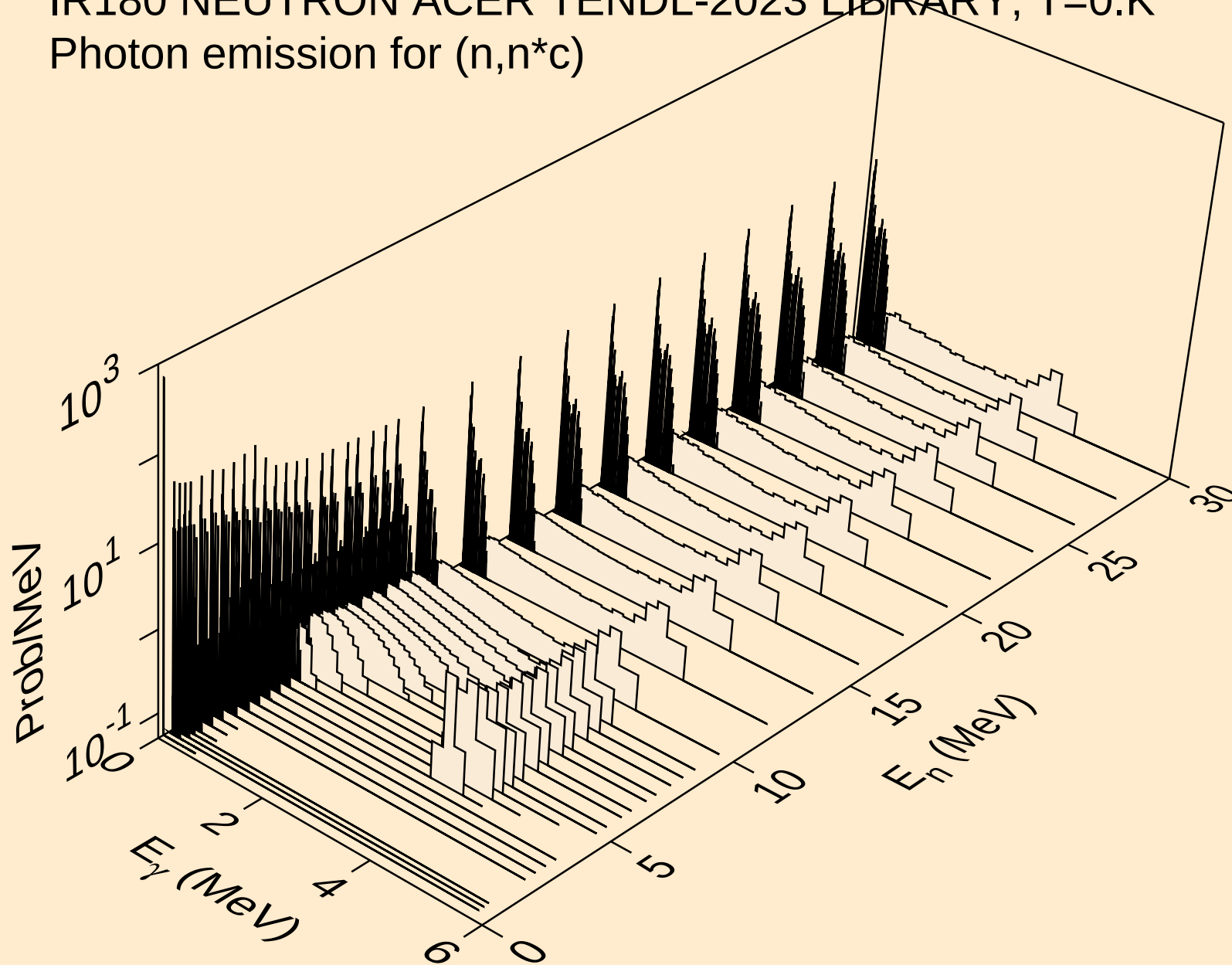
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



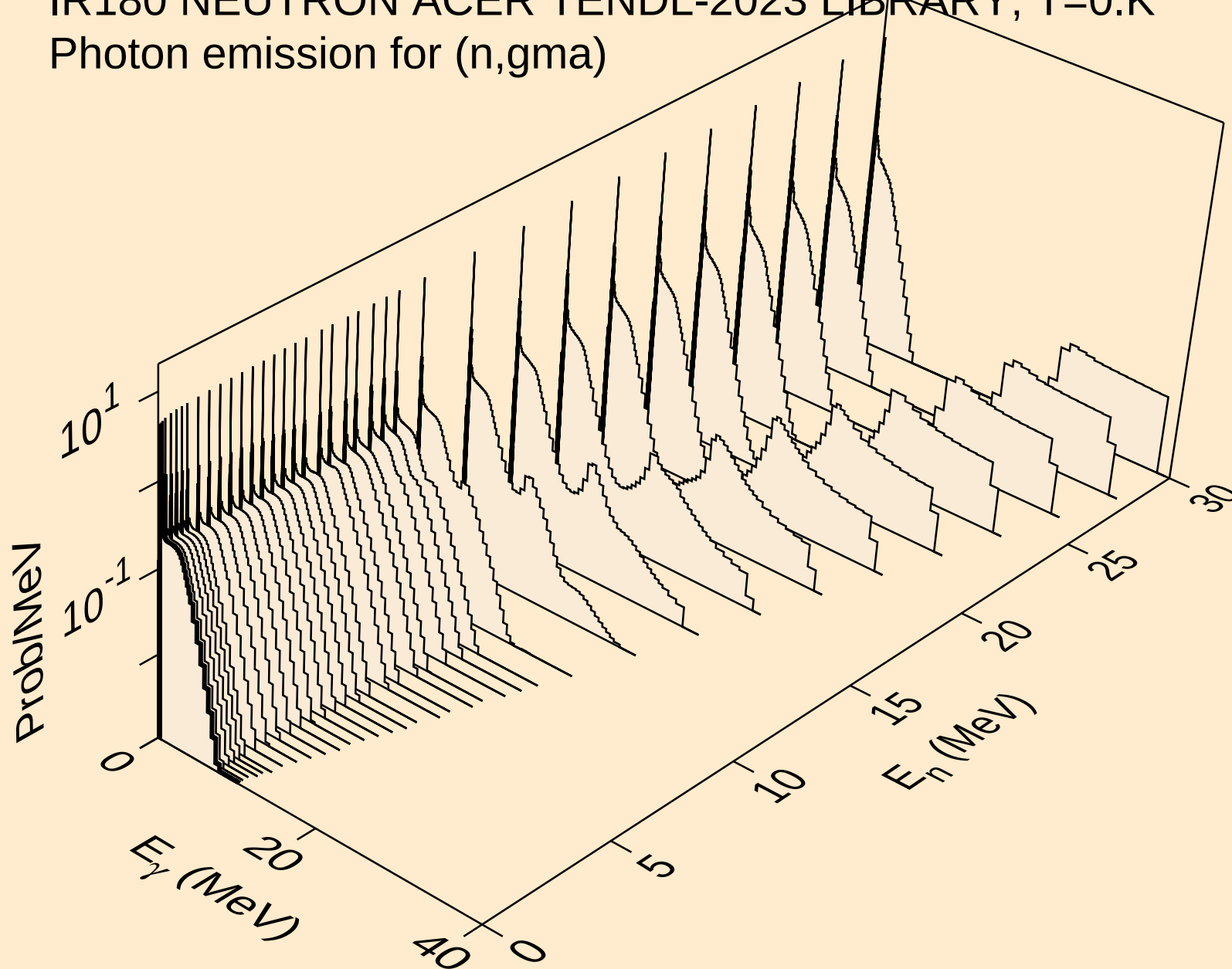
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



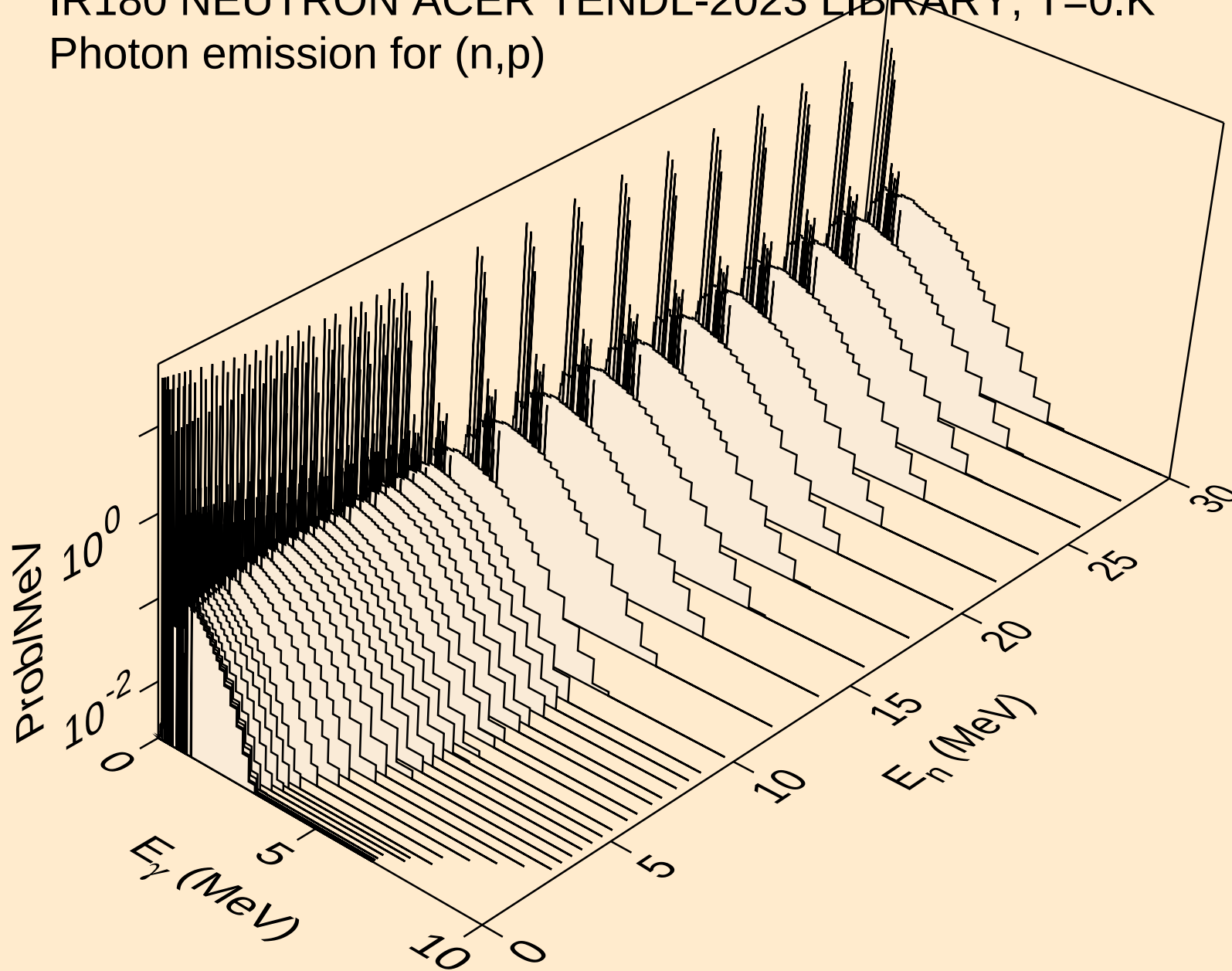
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



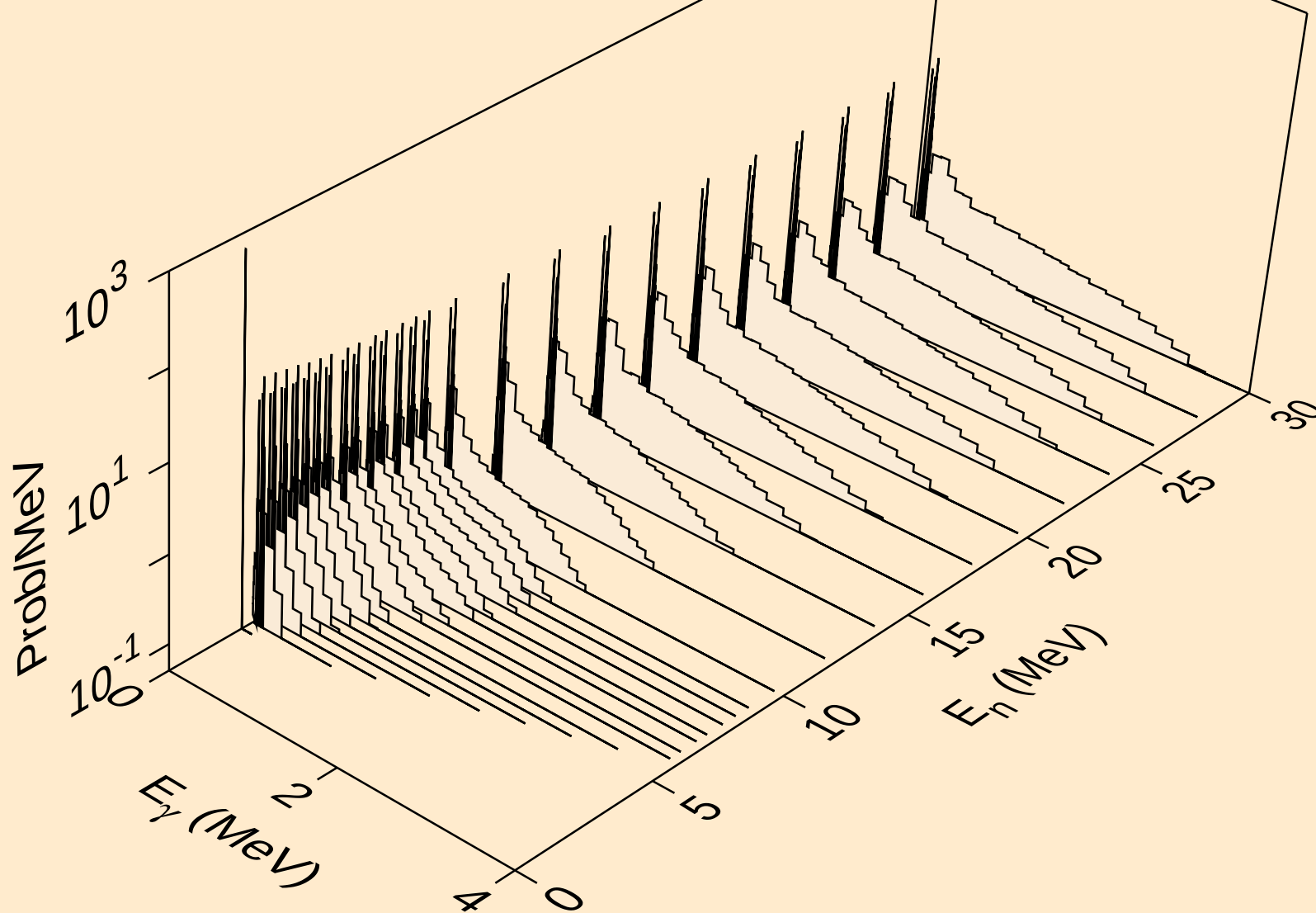
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



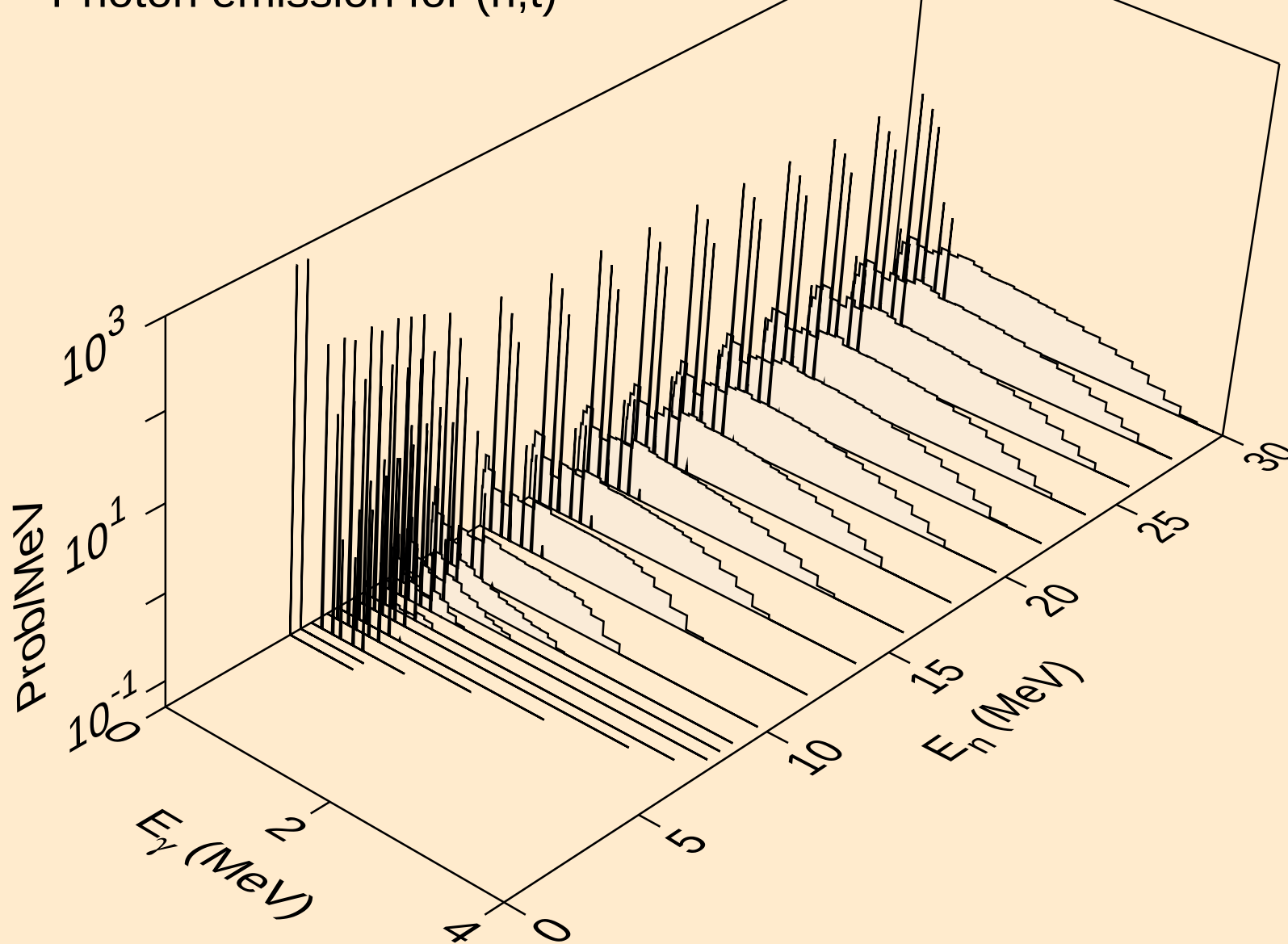
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



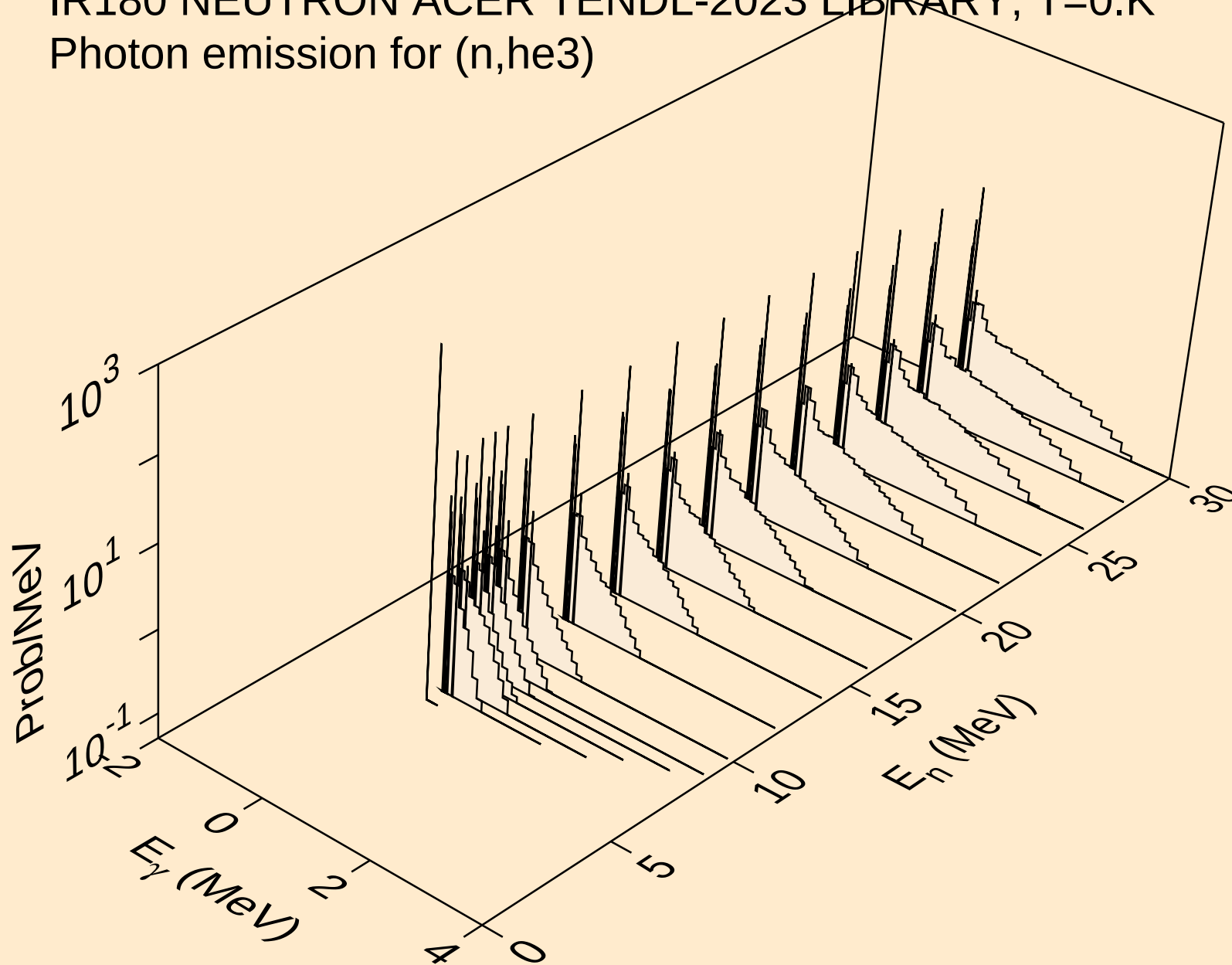
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



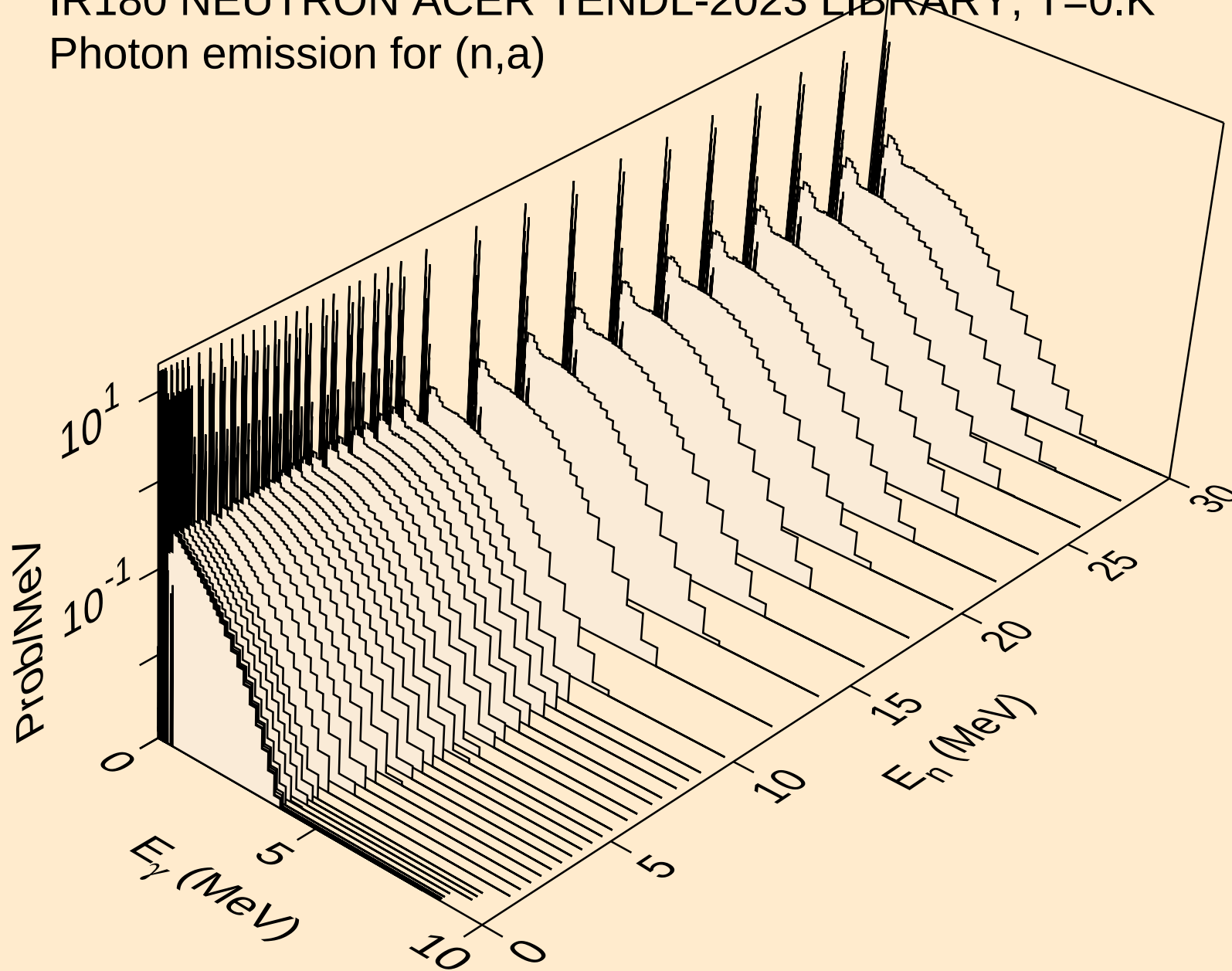
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



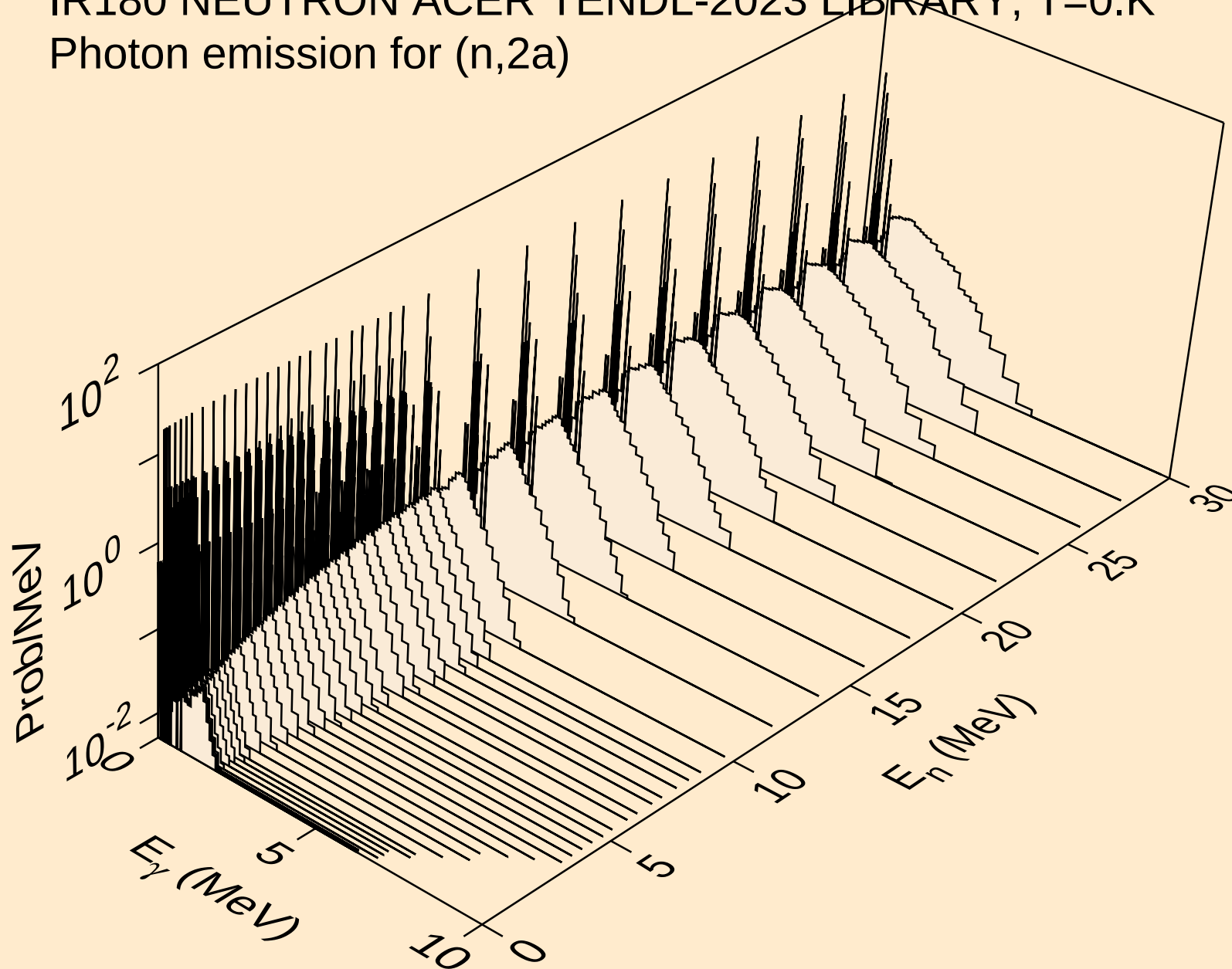
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



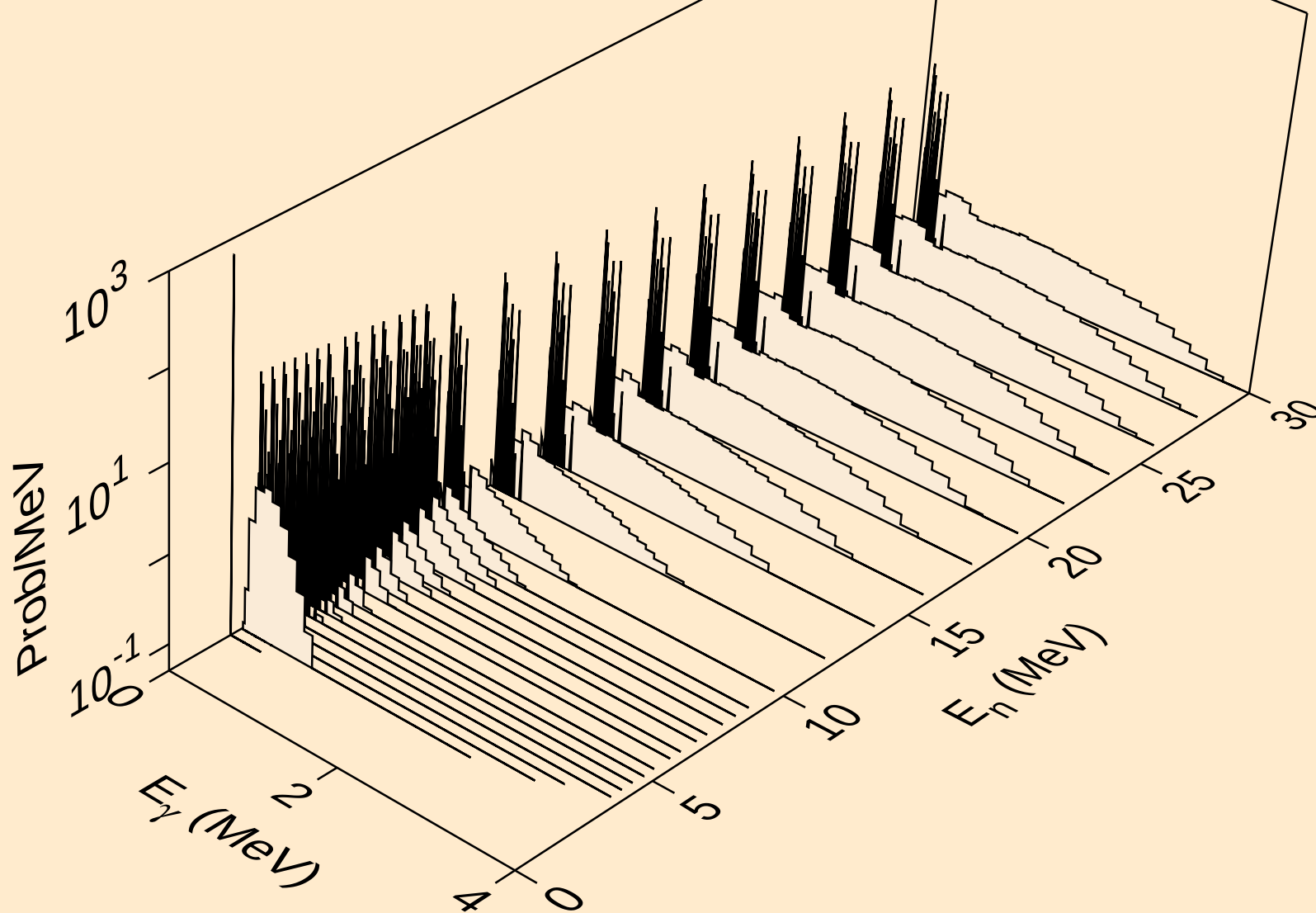
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



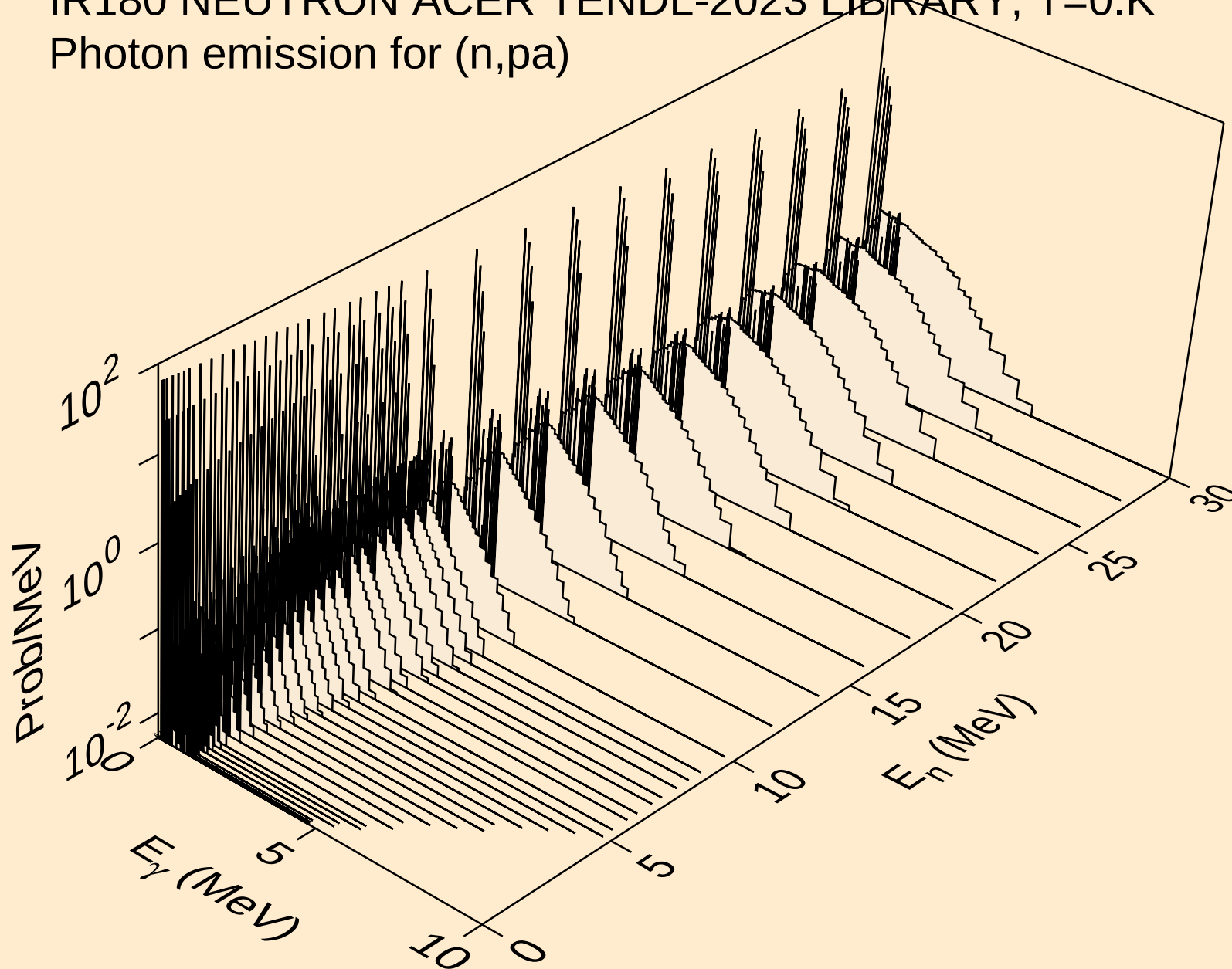
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



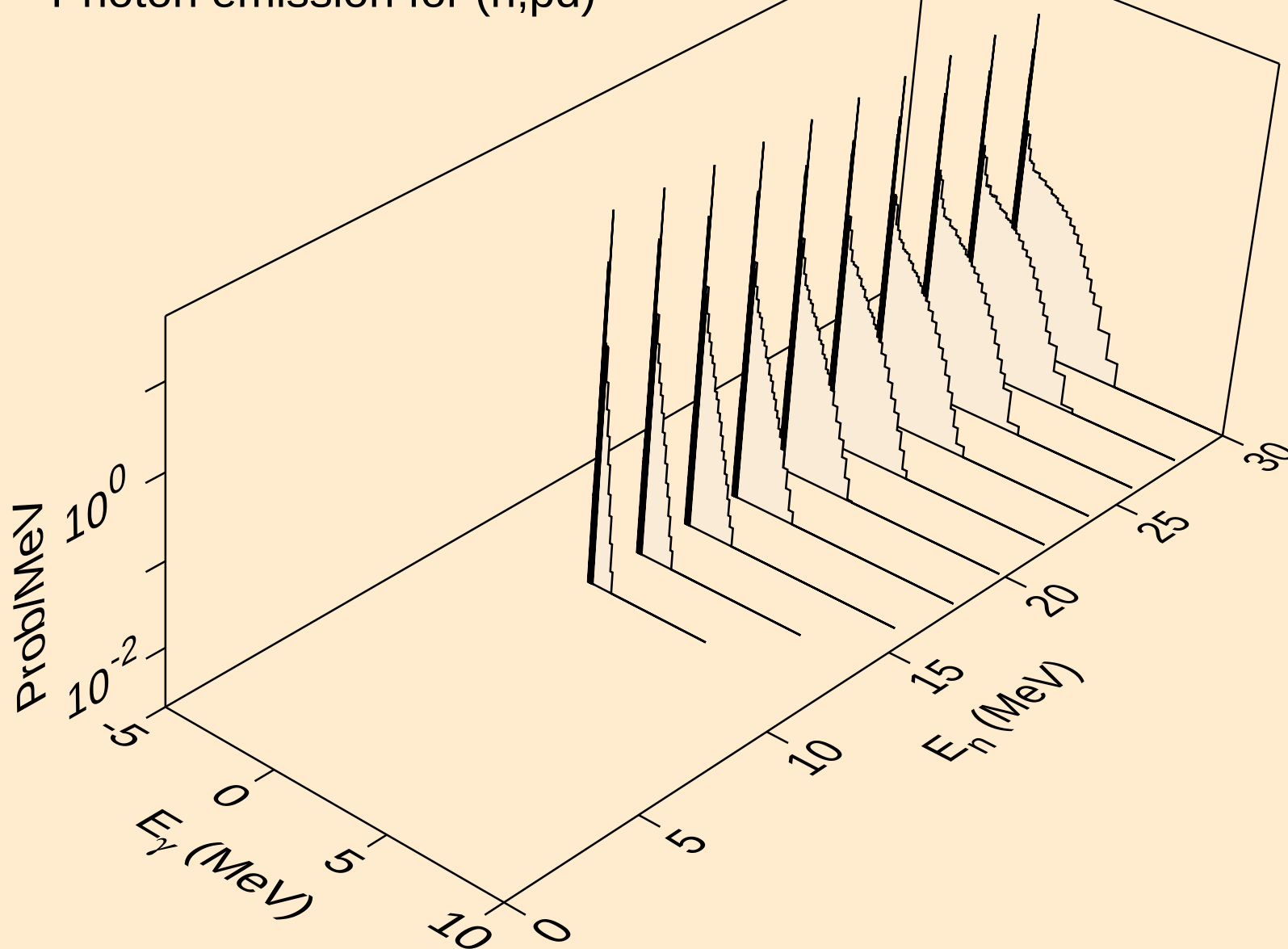
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



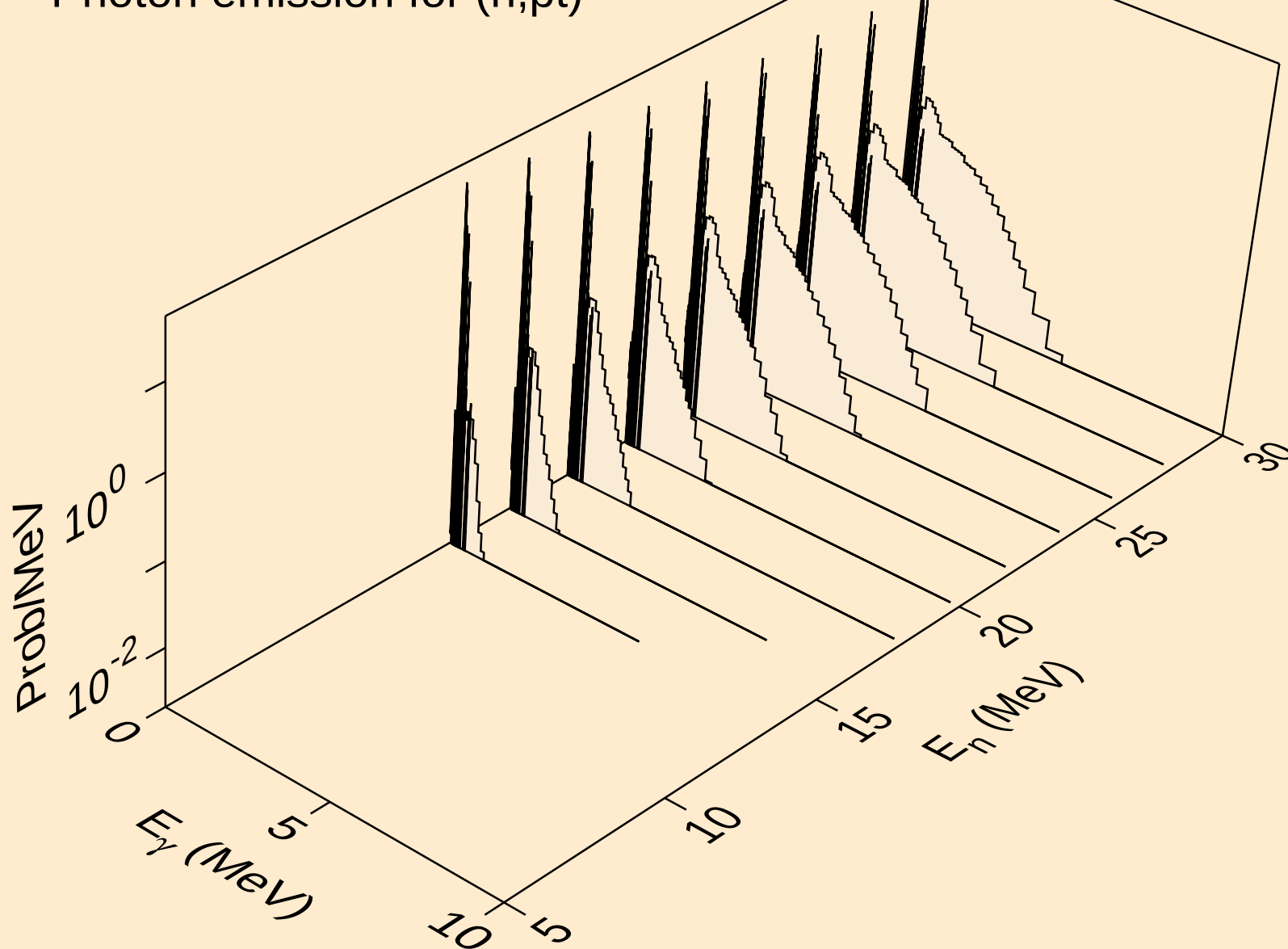
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



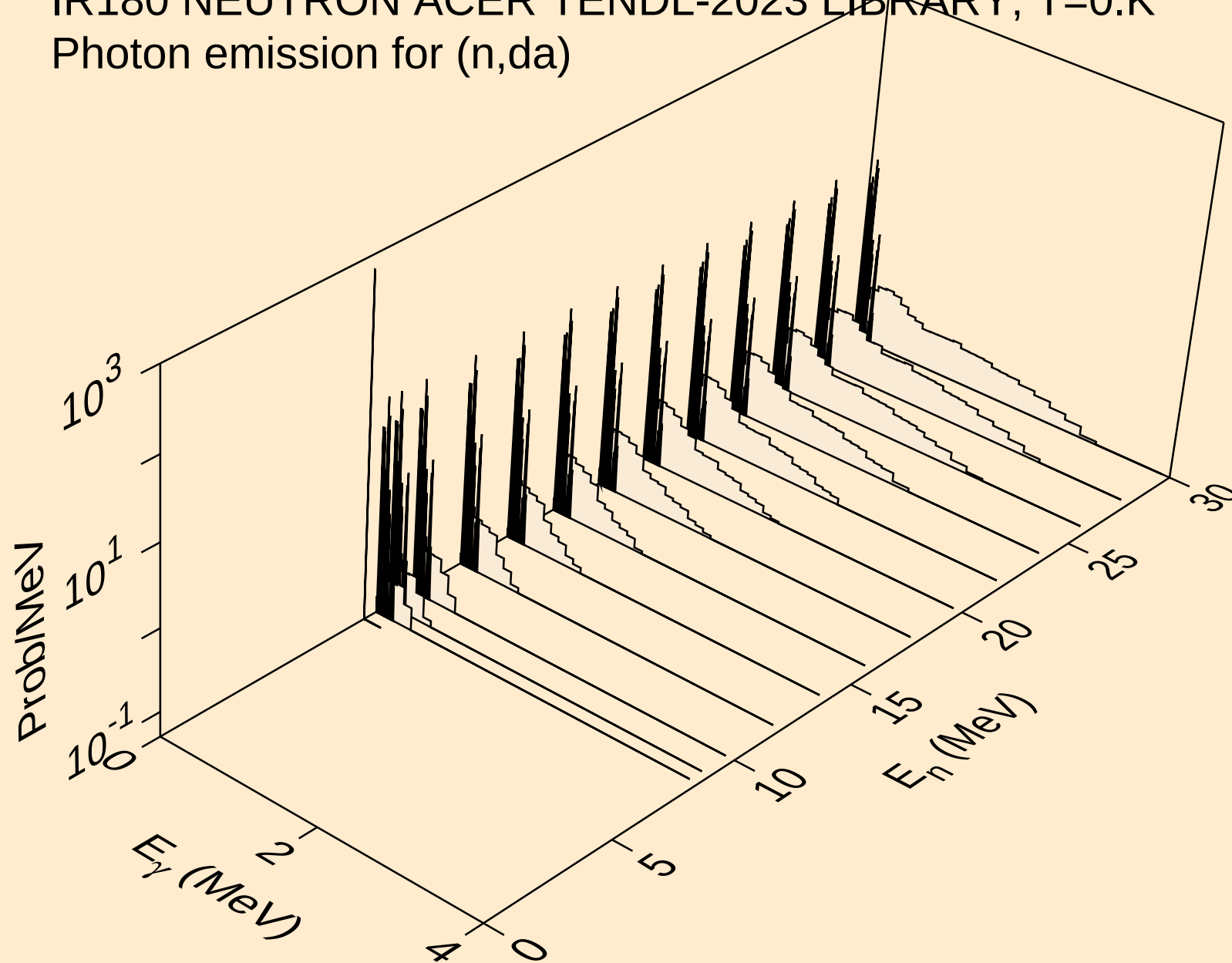
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



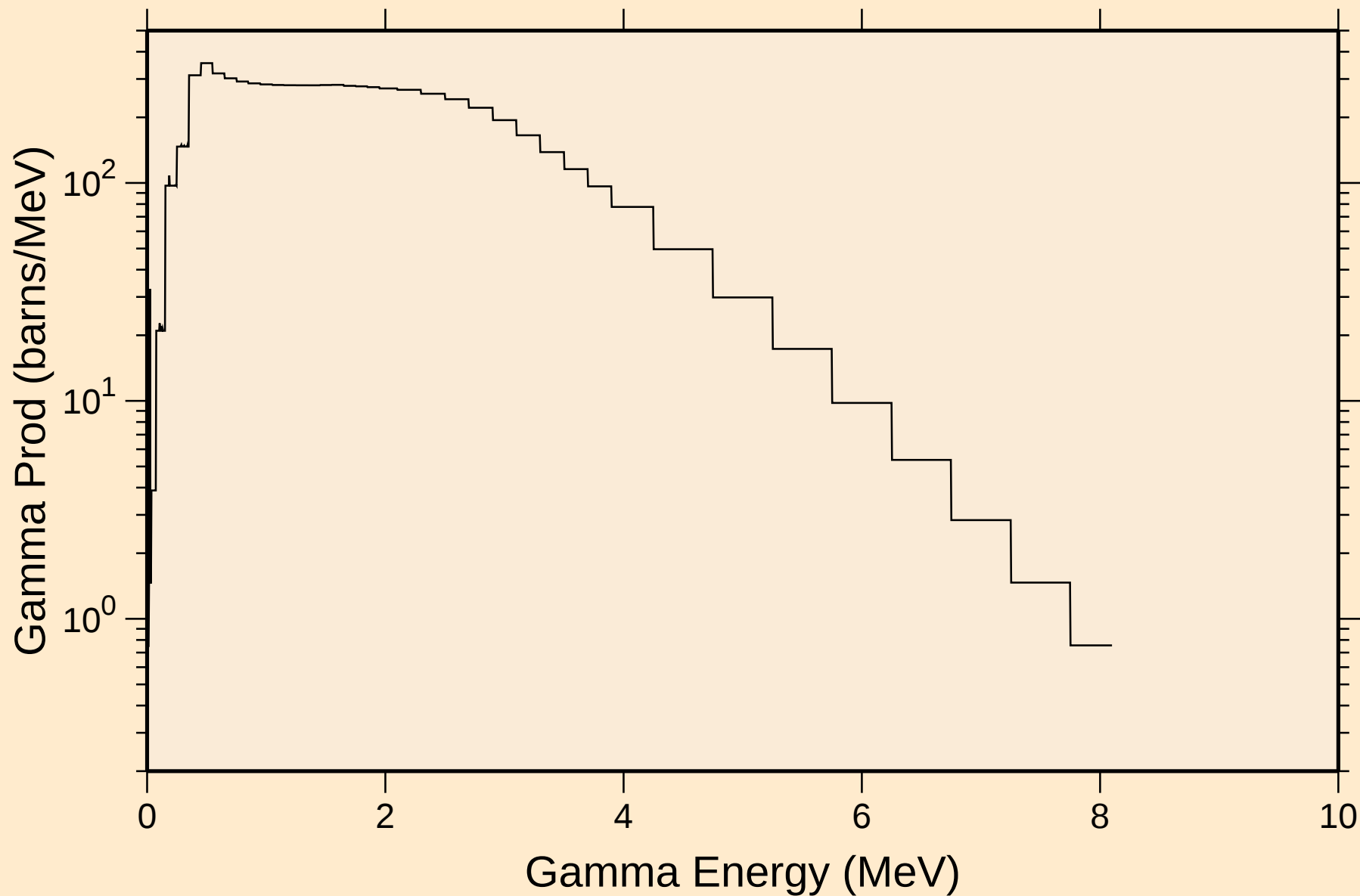
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



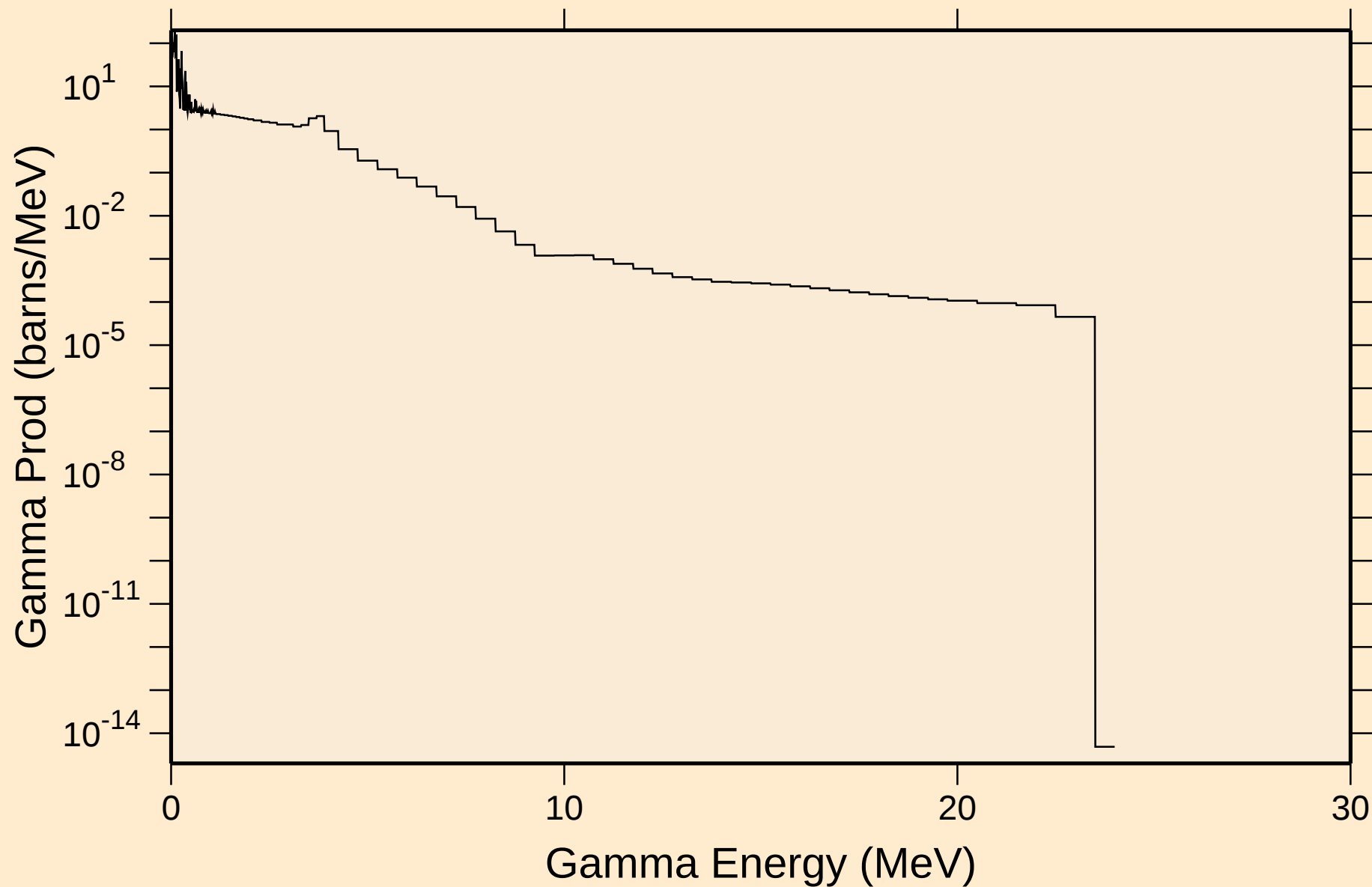
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

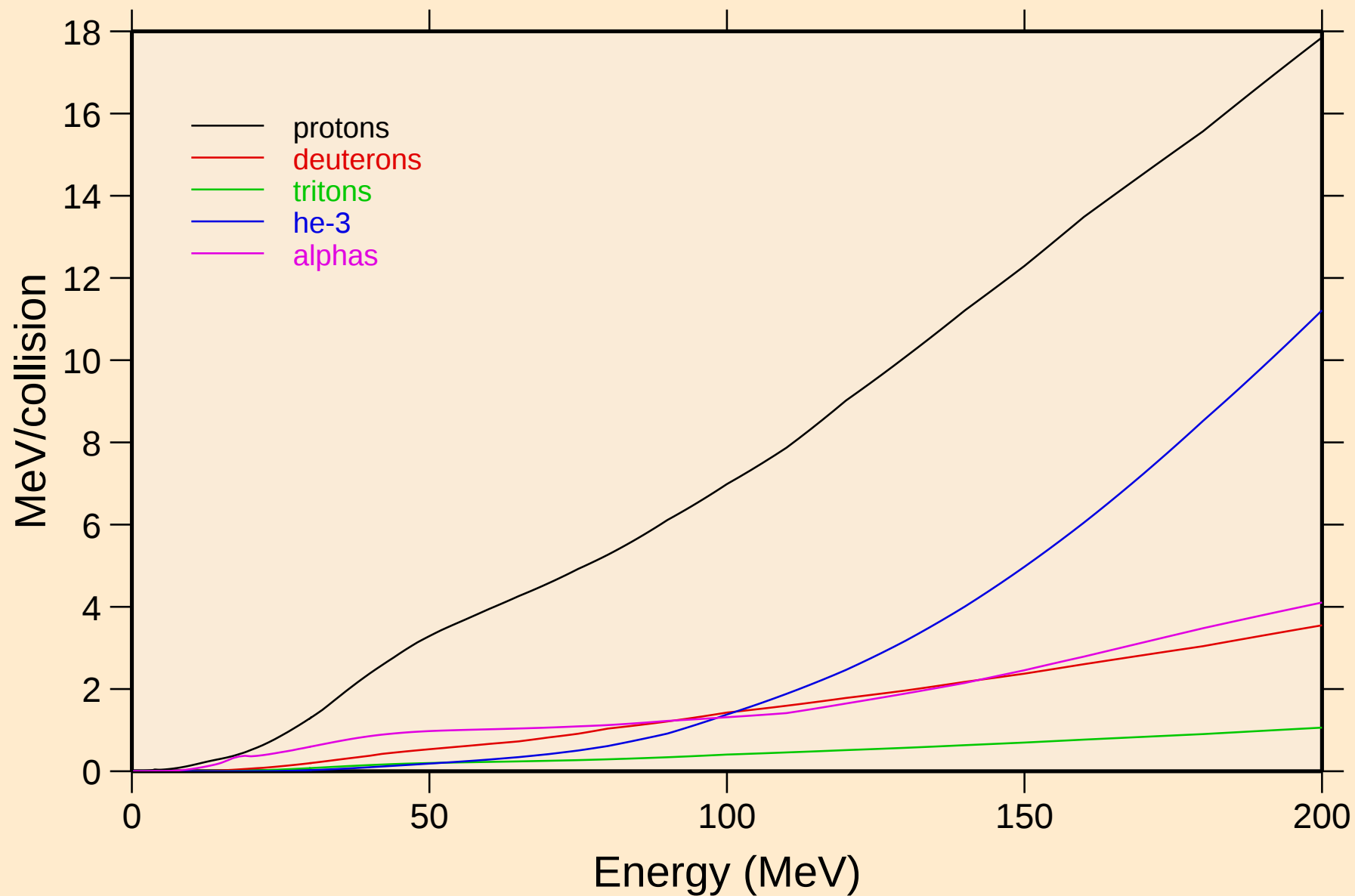


IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



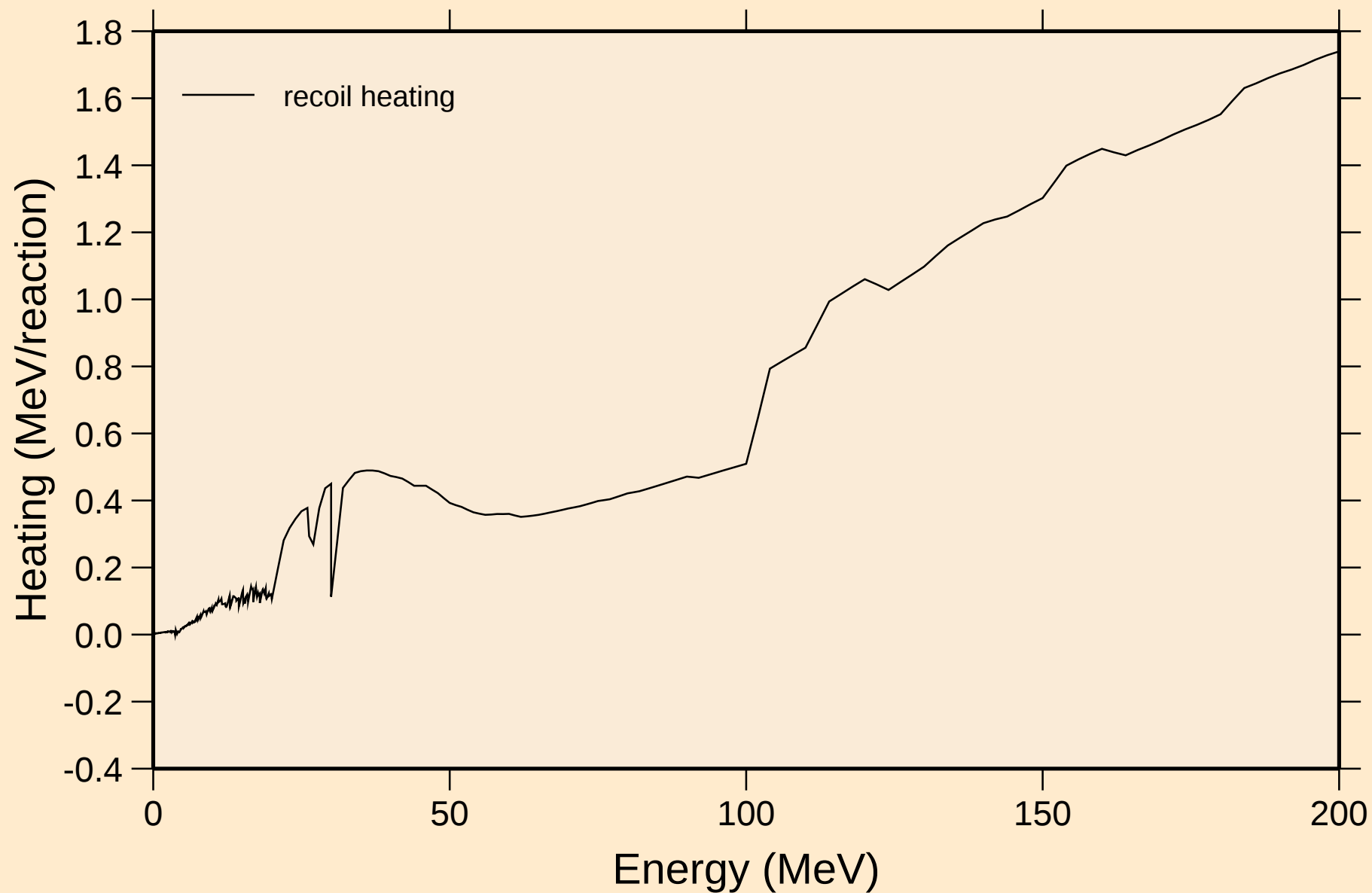
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



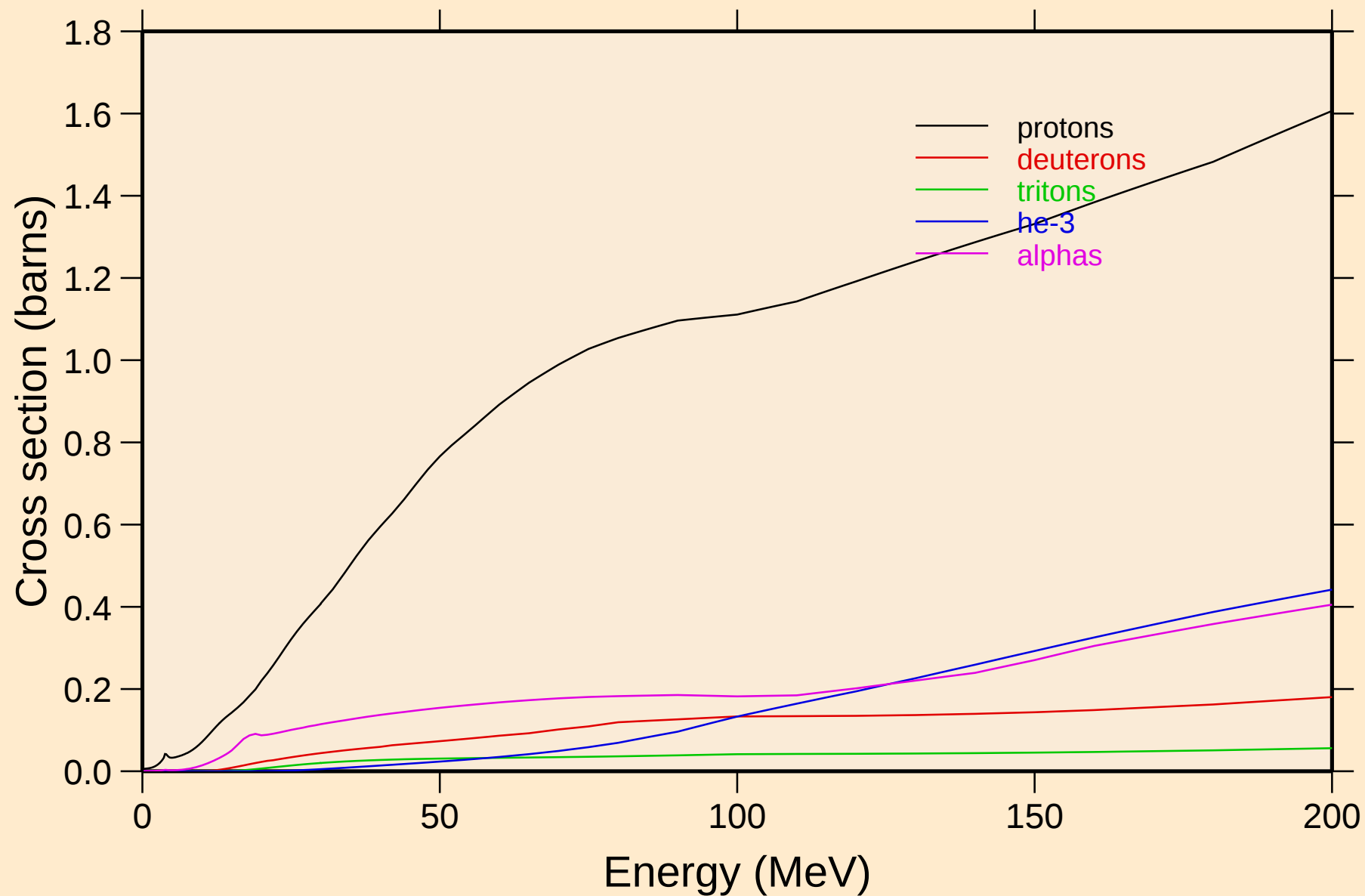
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Recoil Heating

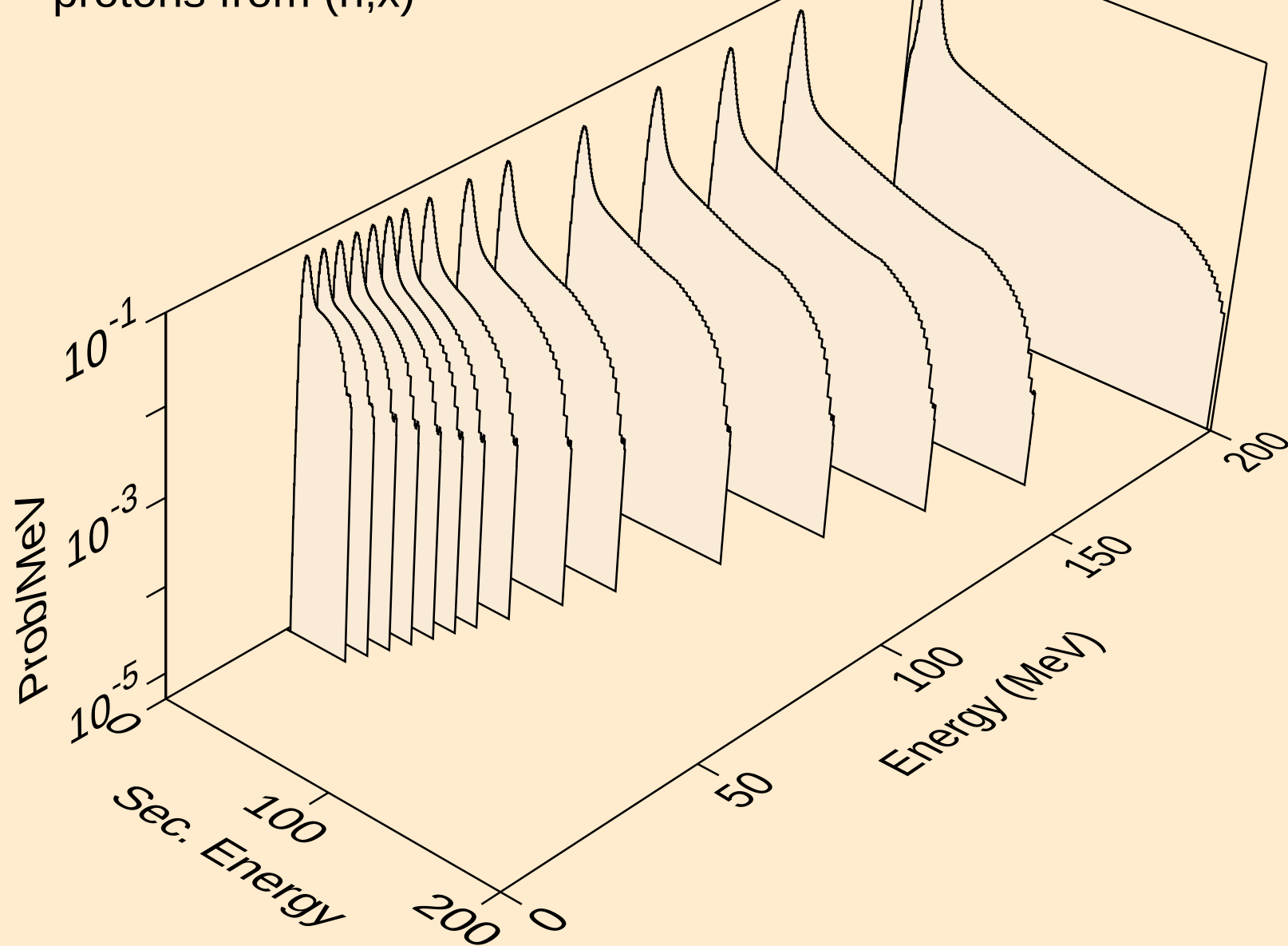


IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

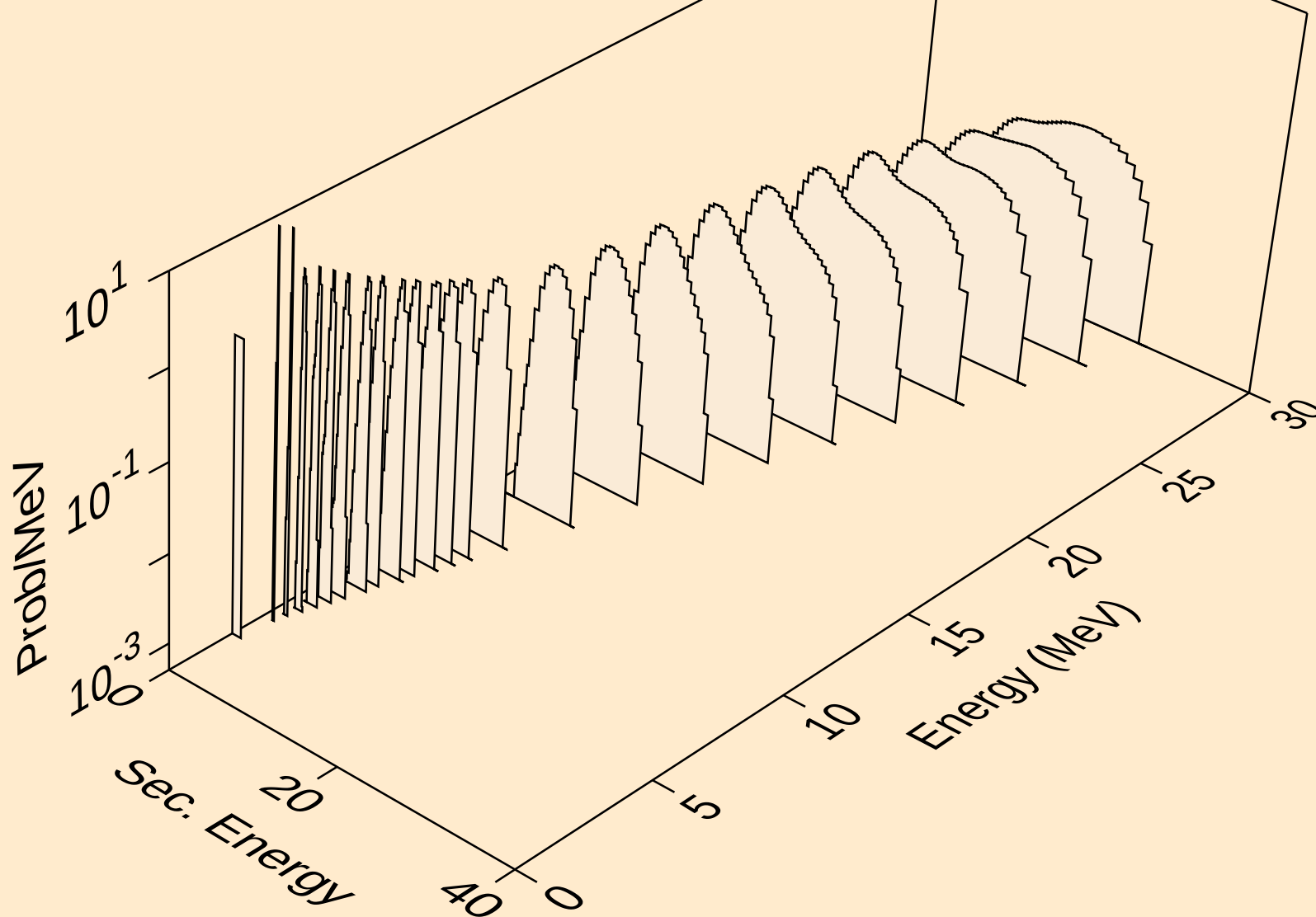
Particle production cross sections



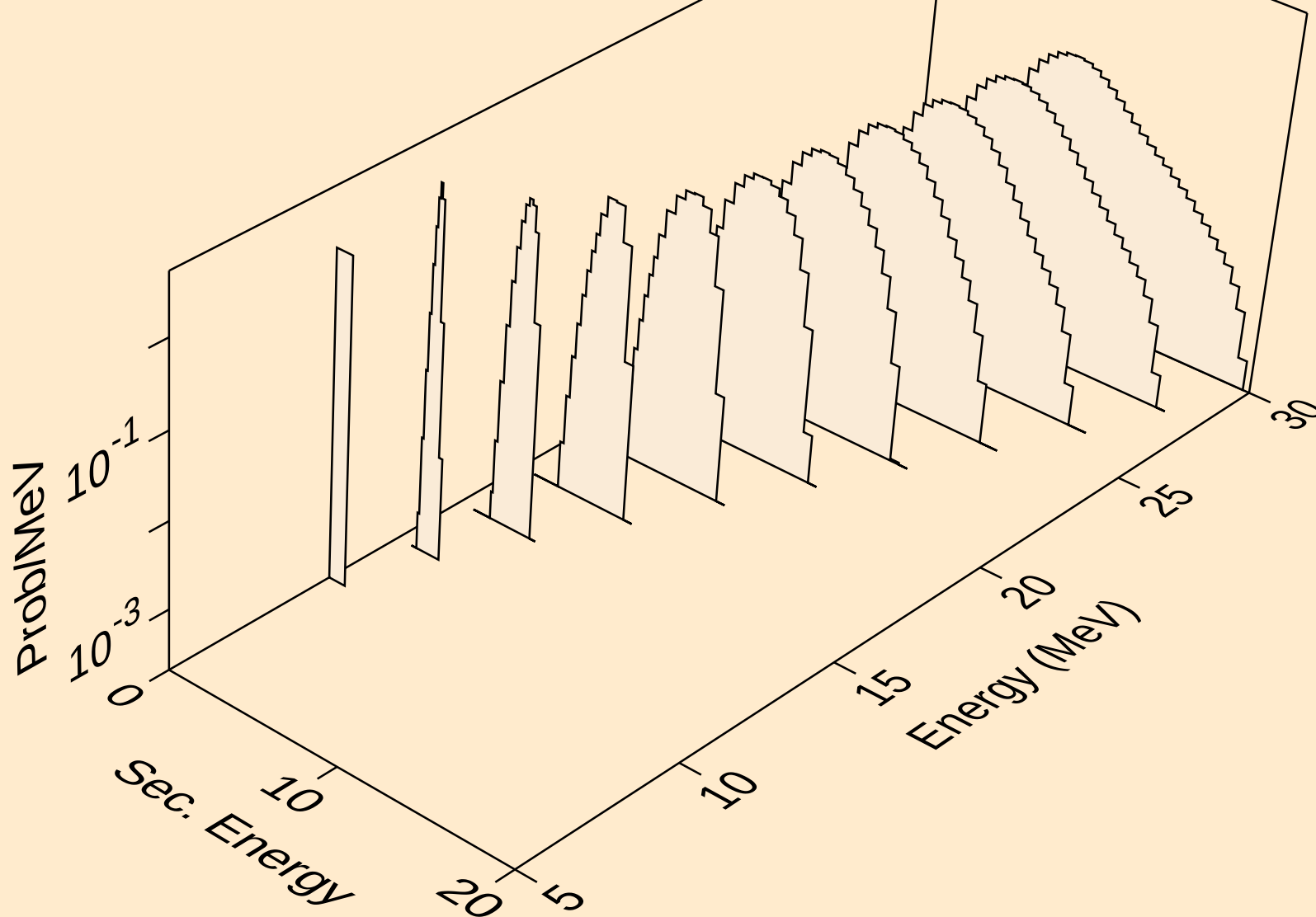
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



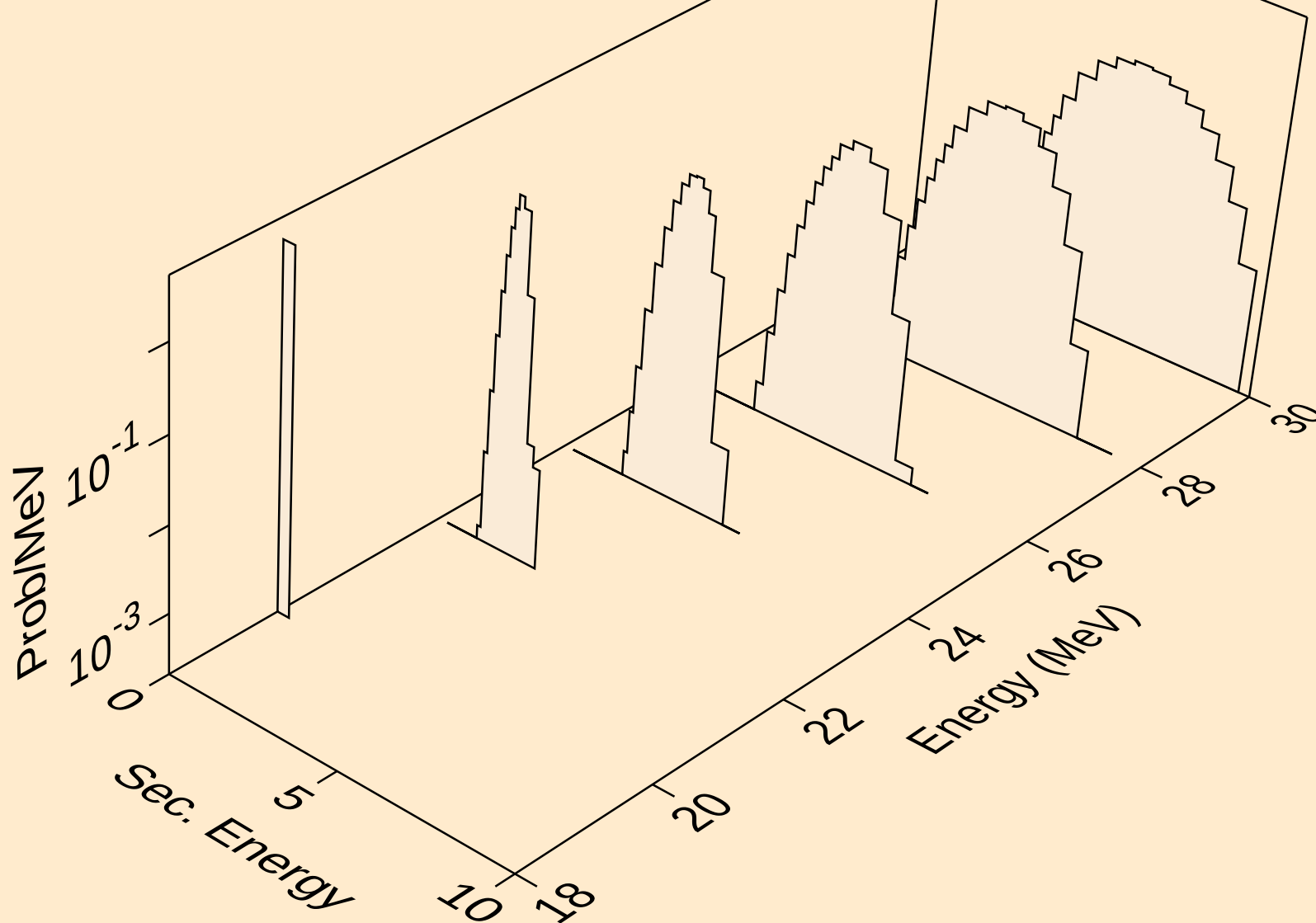
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



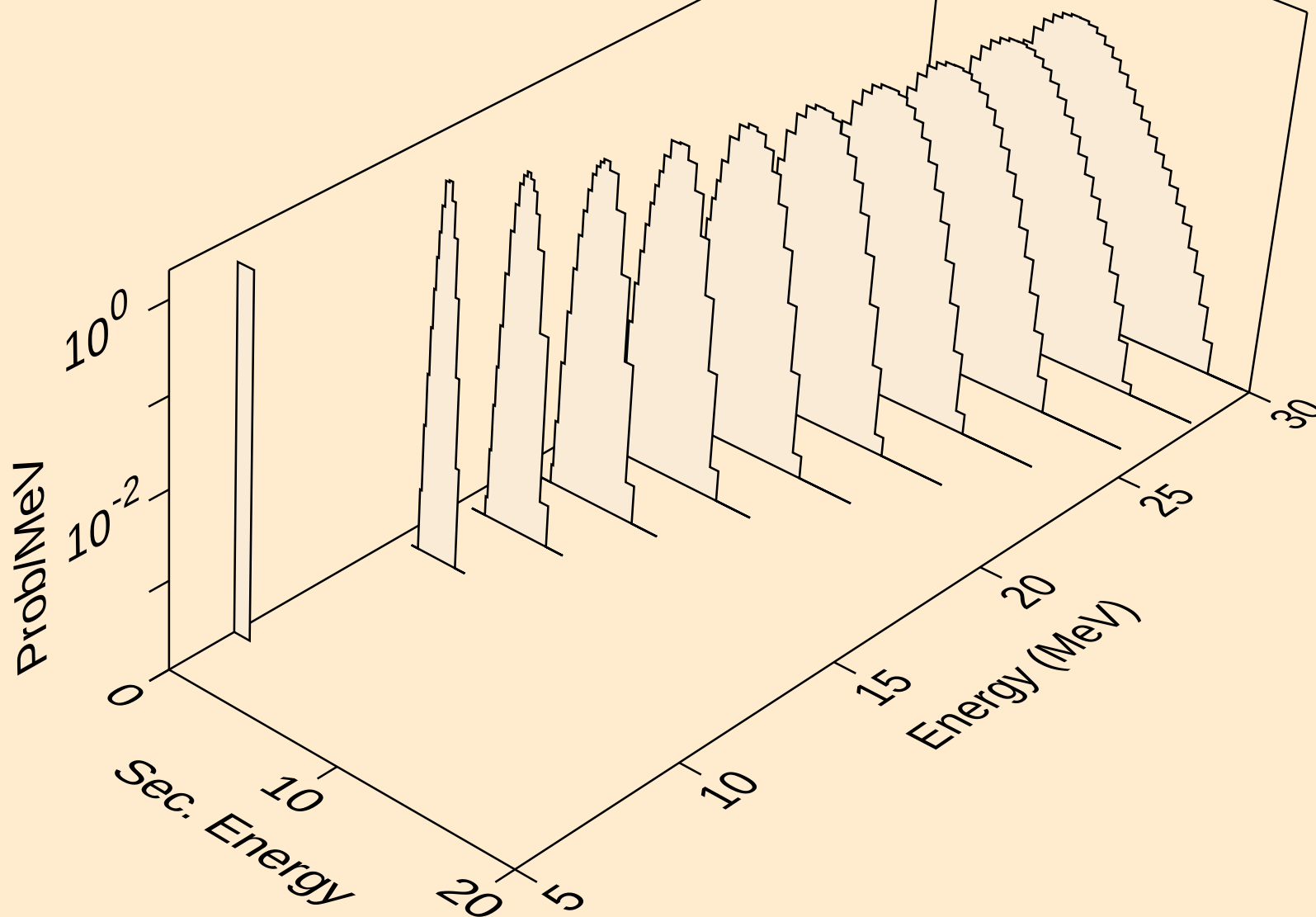
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



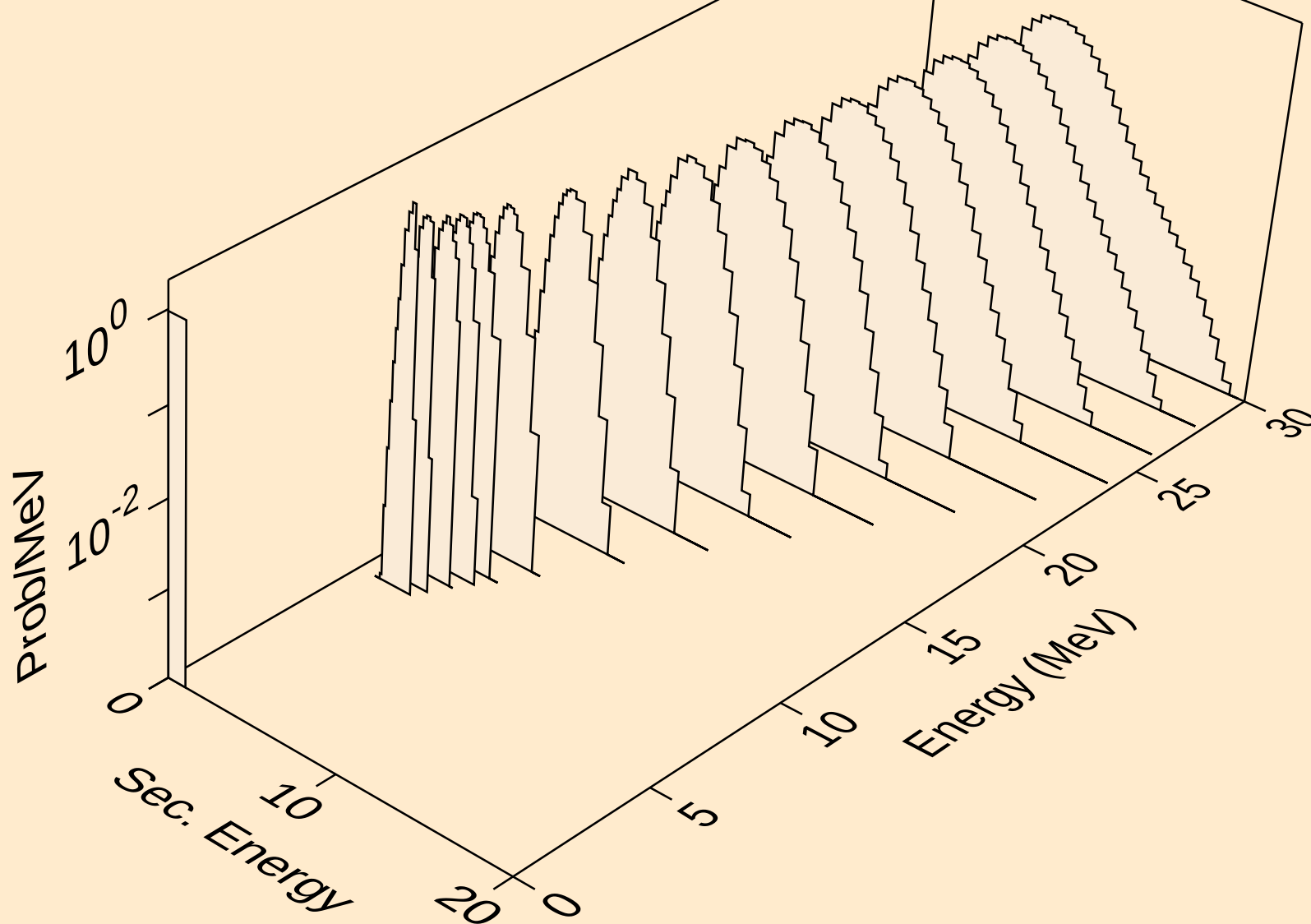
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protons from (n,3np)



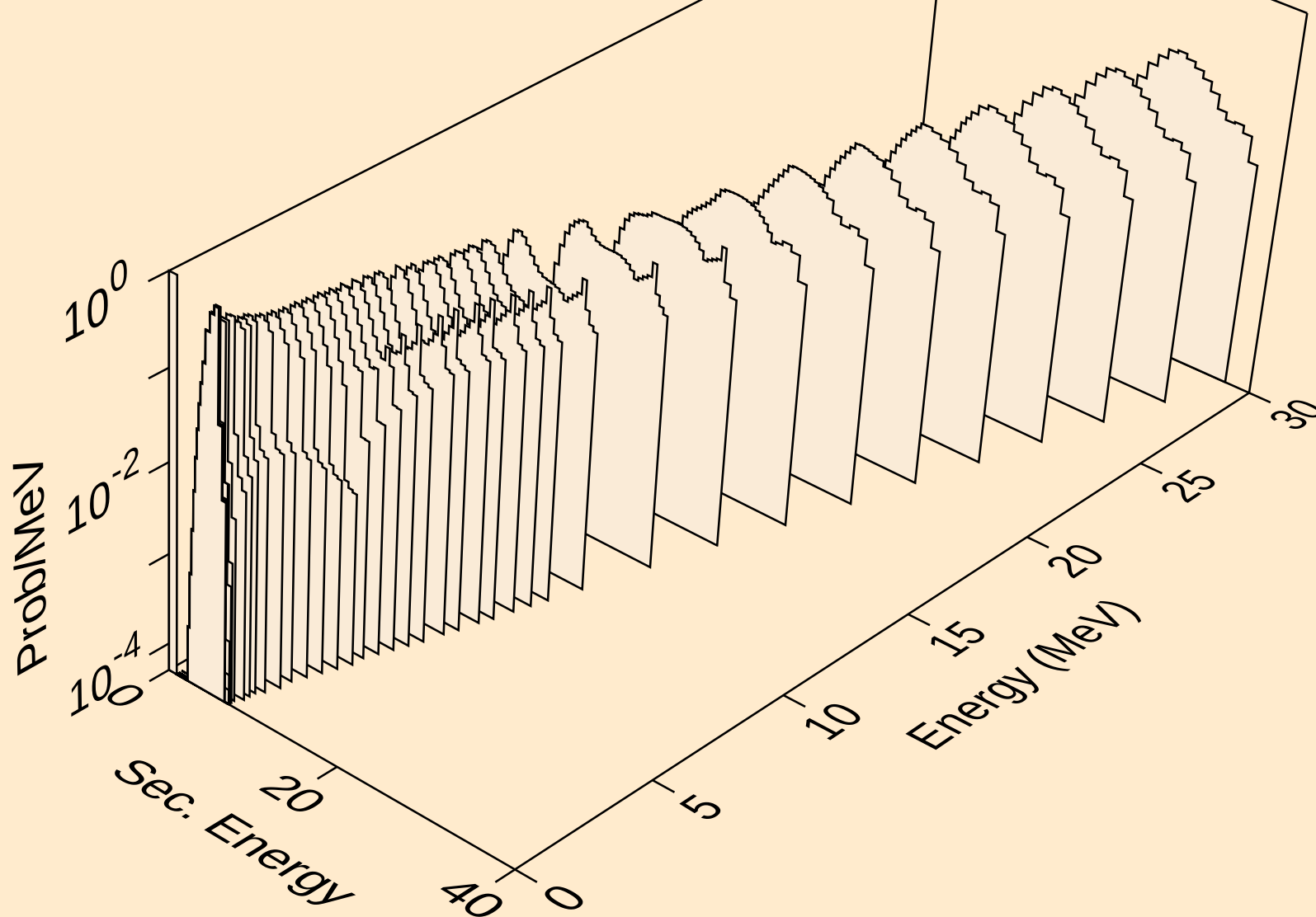
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protons from (n,n2p)



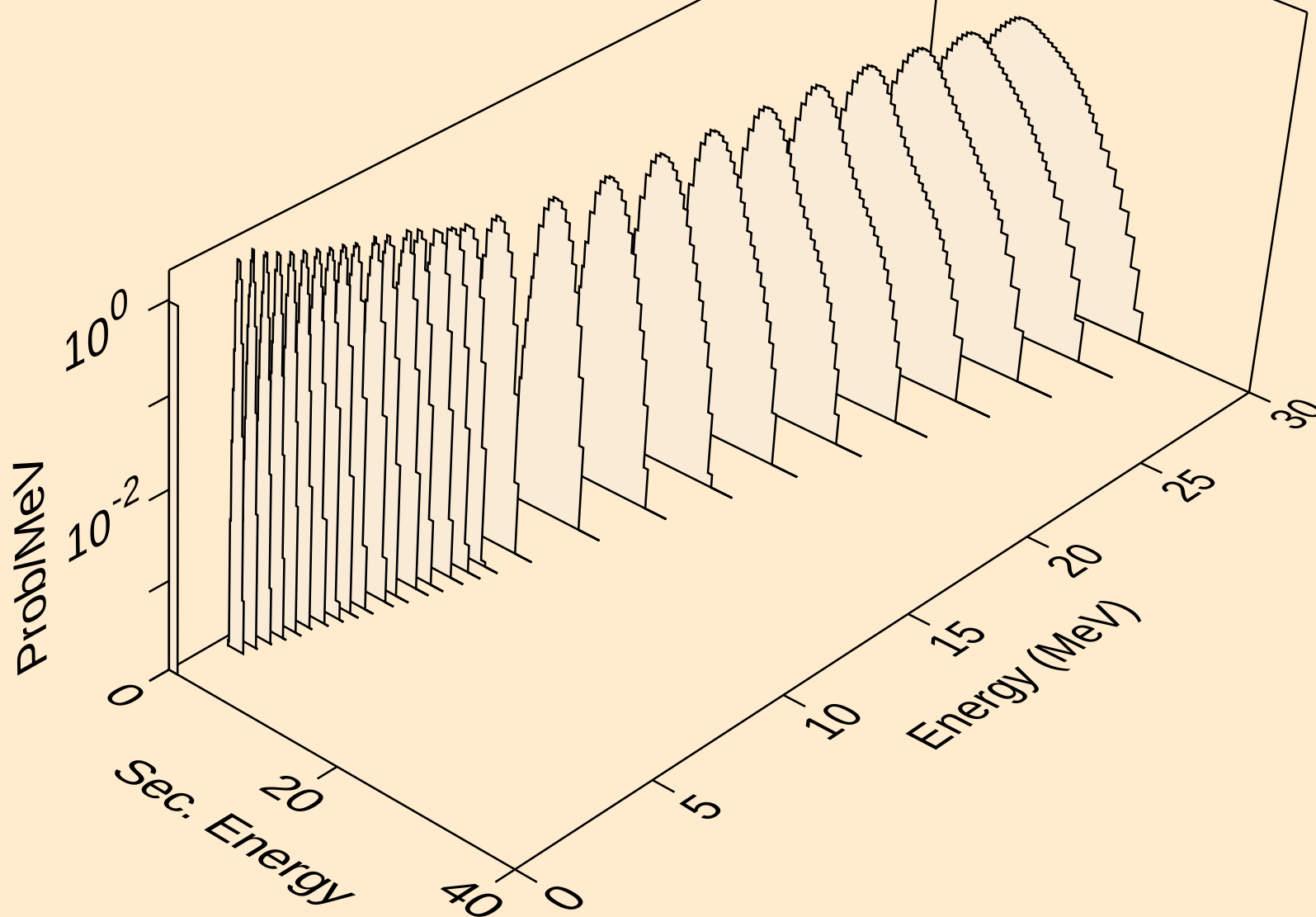
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protons from (n,npa)



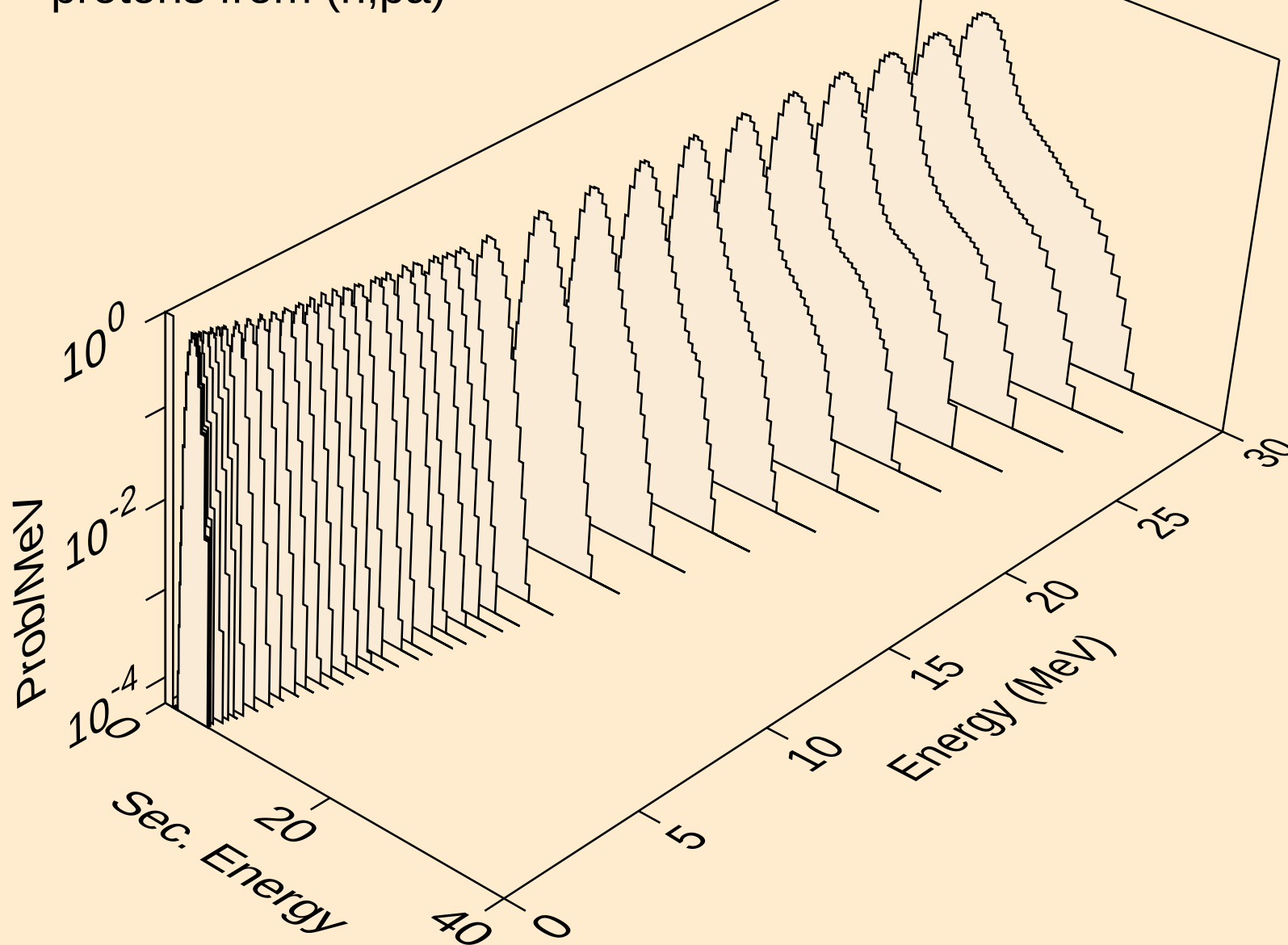
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protons from (n,p)



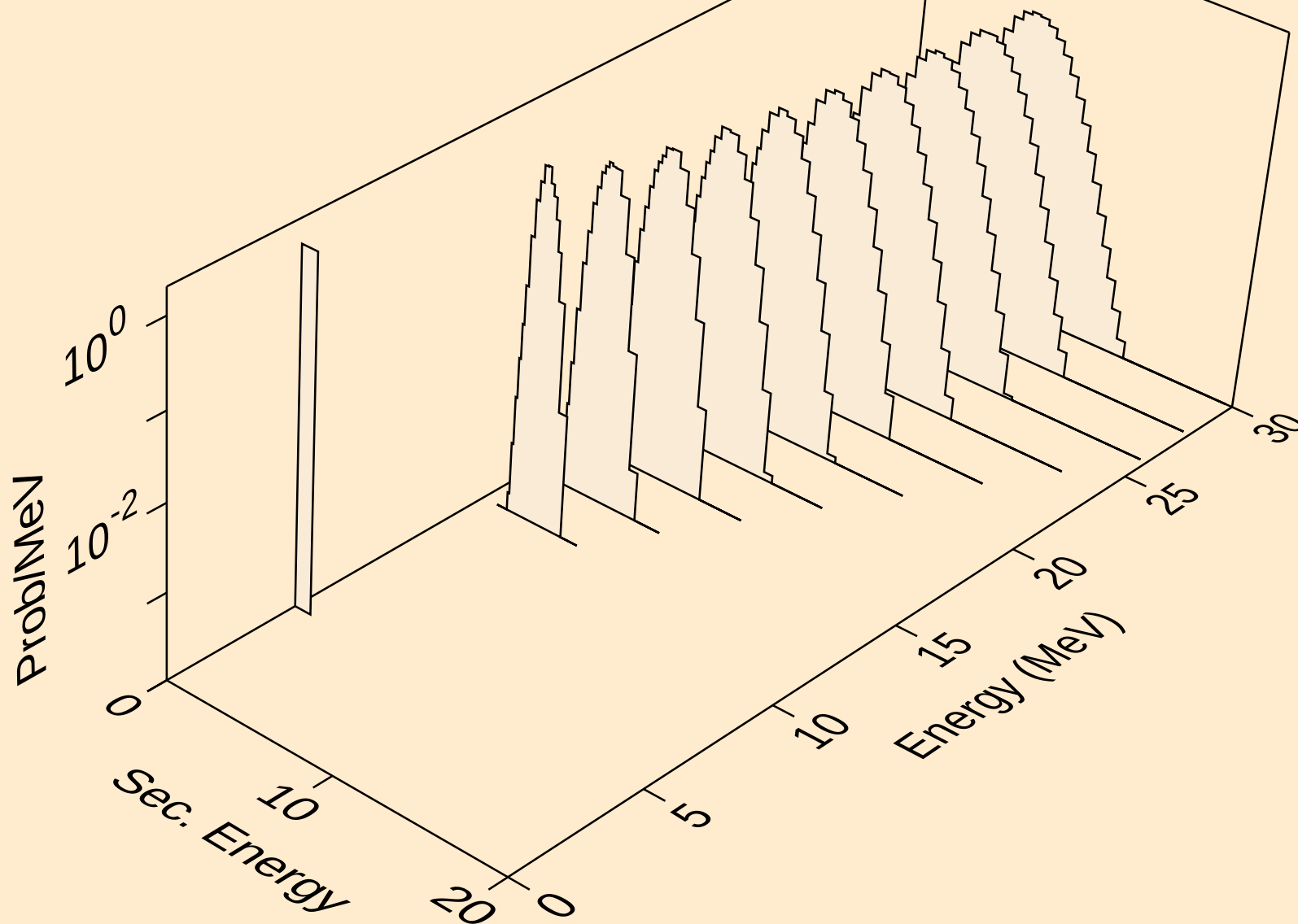
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protons from (n,2p)



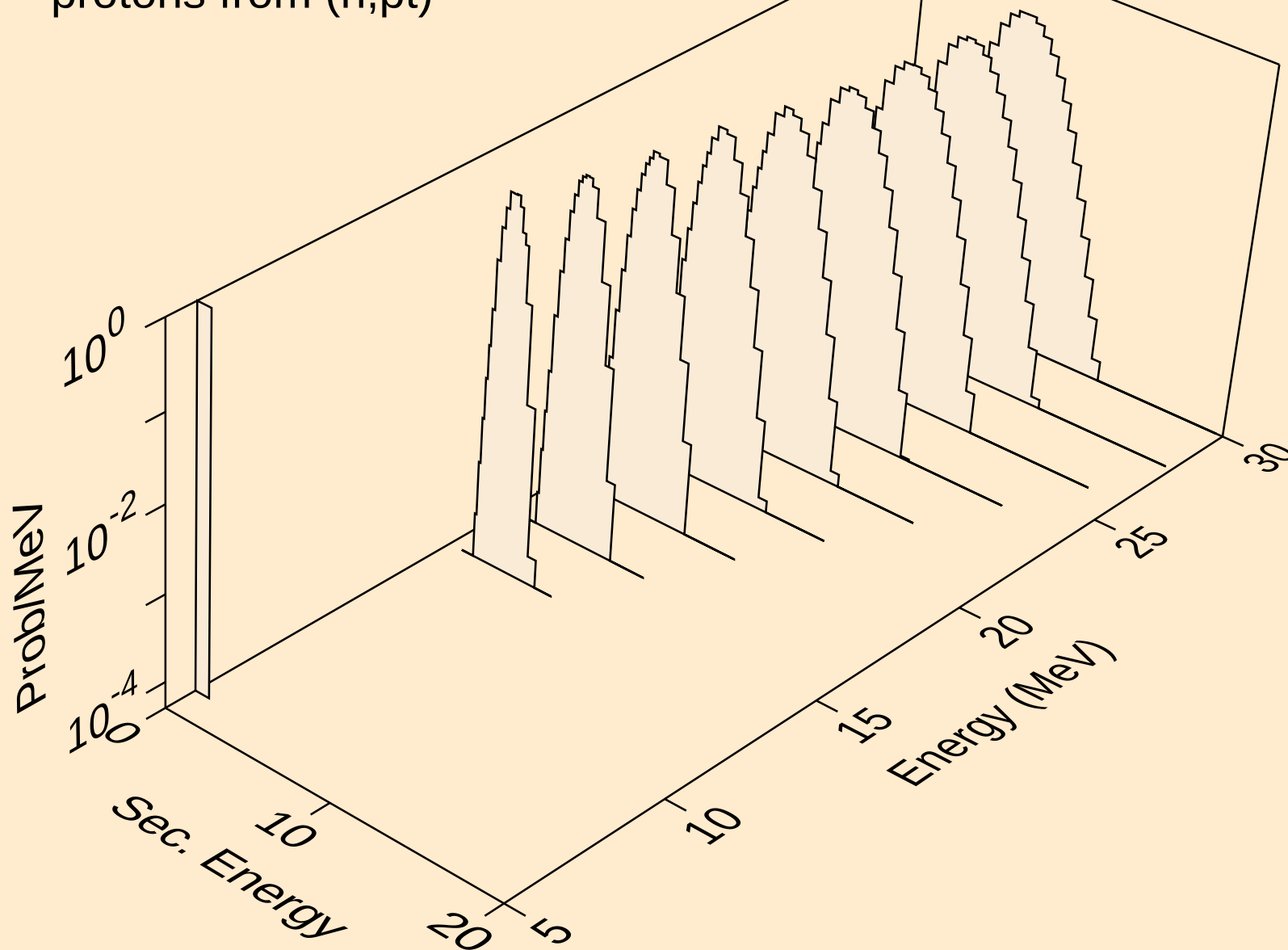
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protons from (n,p)



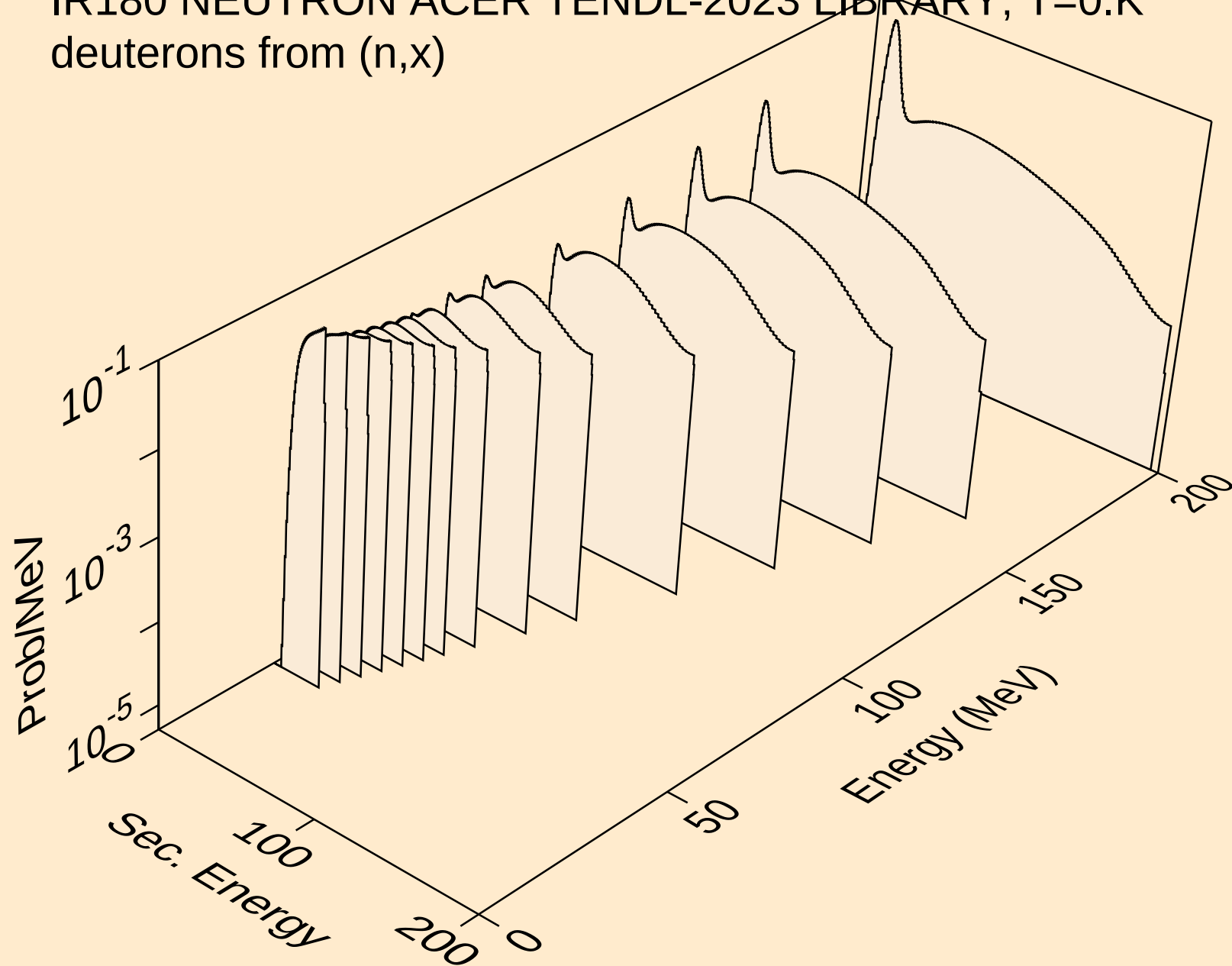
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



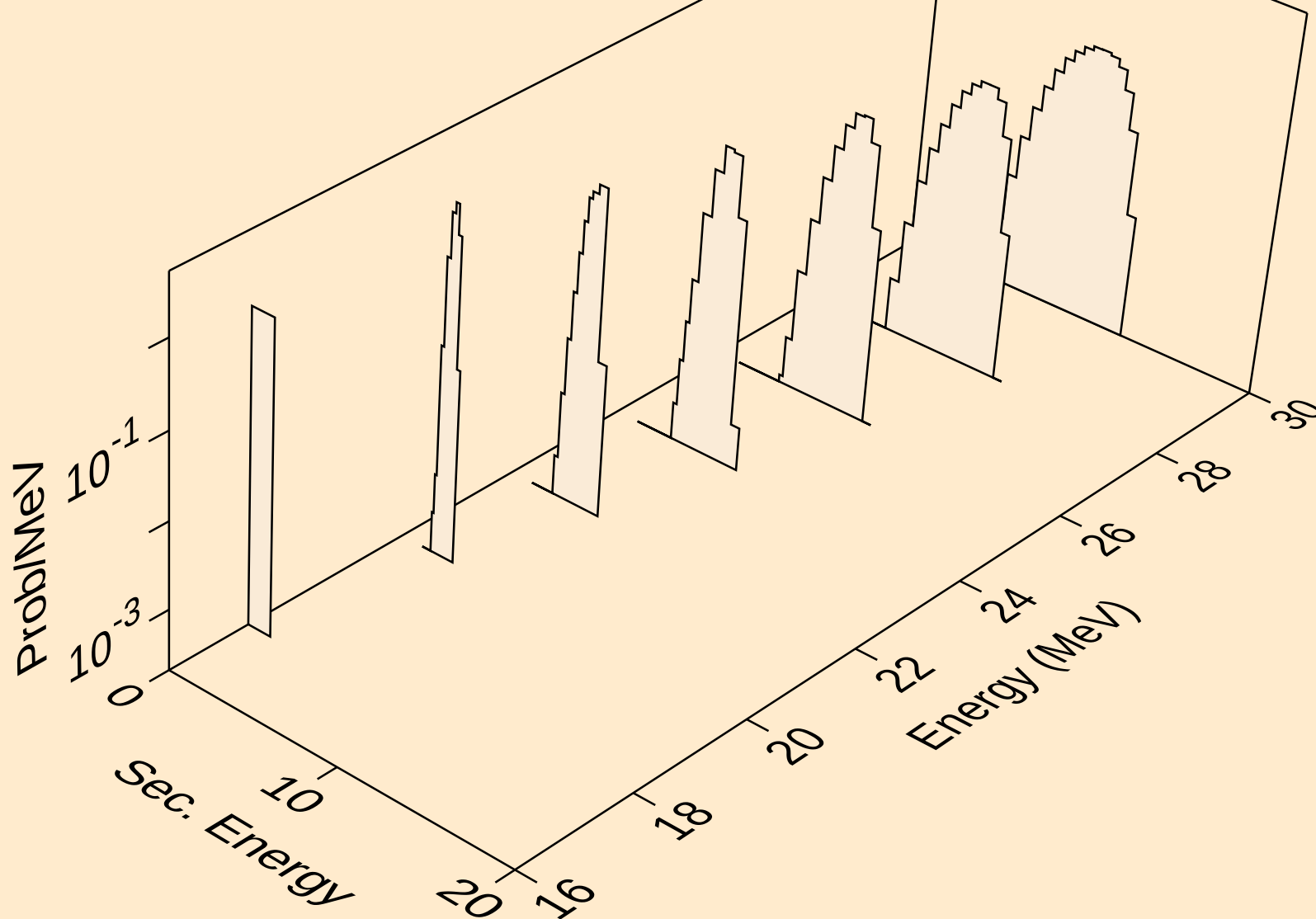
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pt)



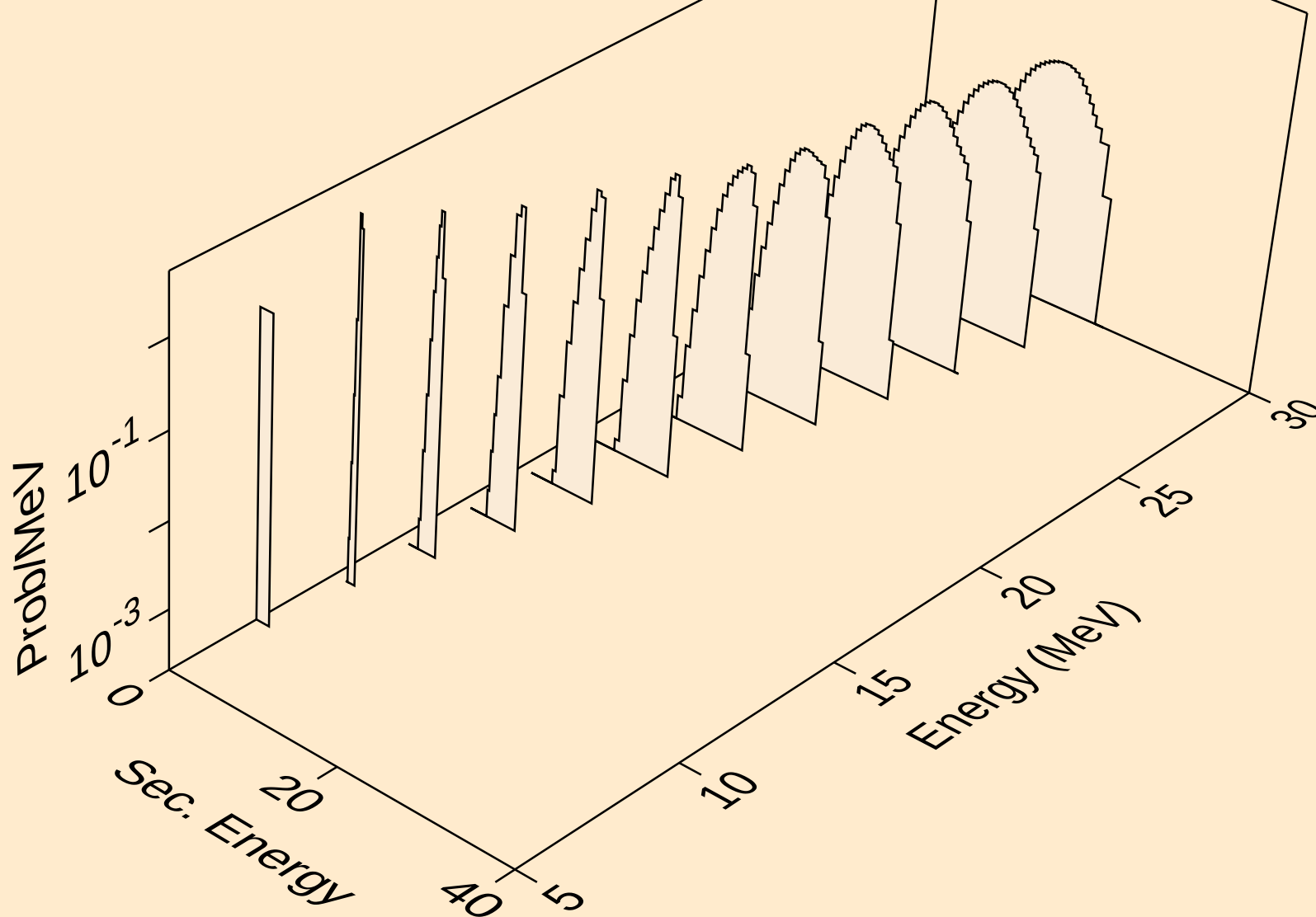
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



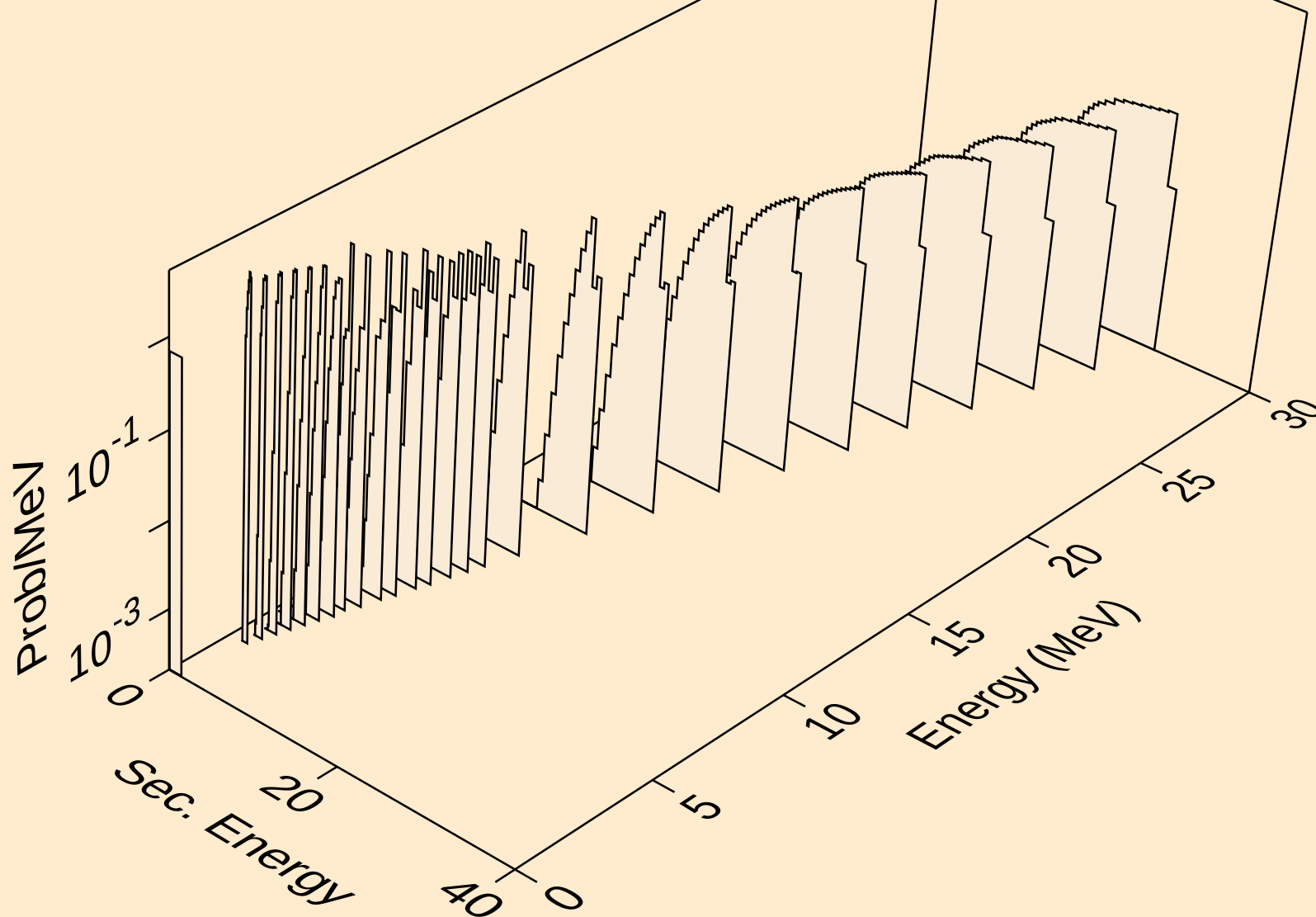
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deuterons from (n,2nd)



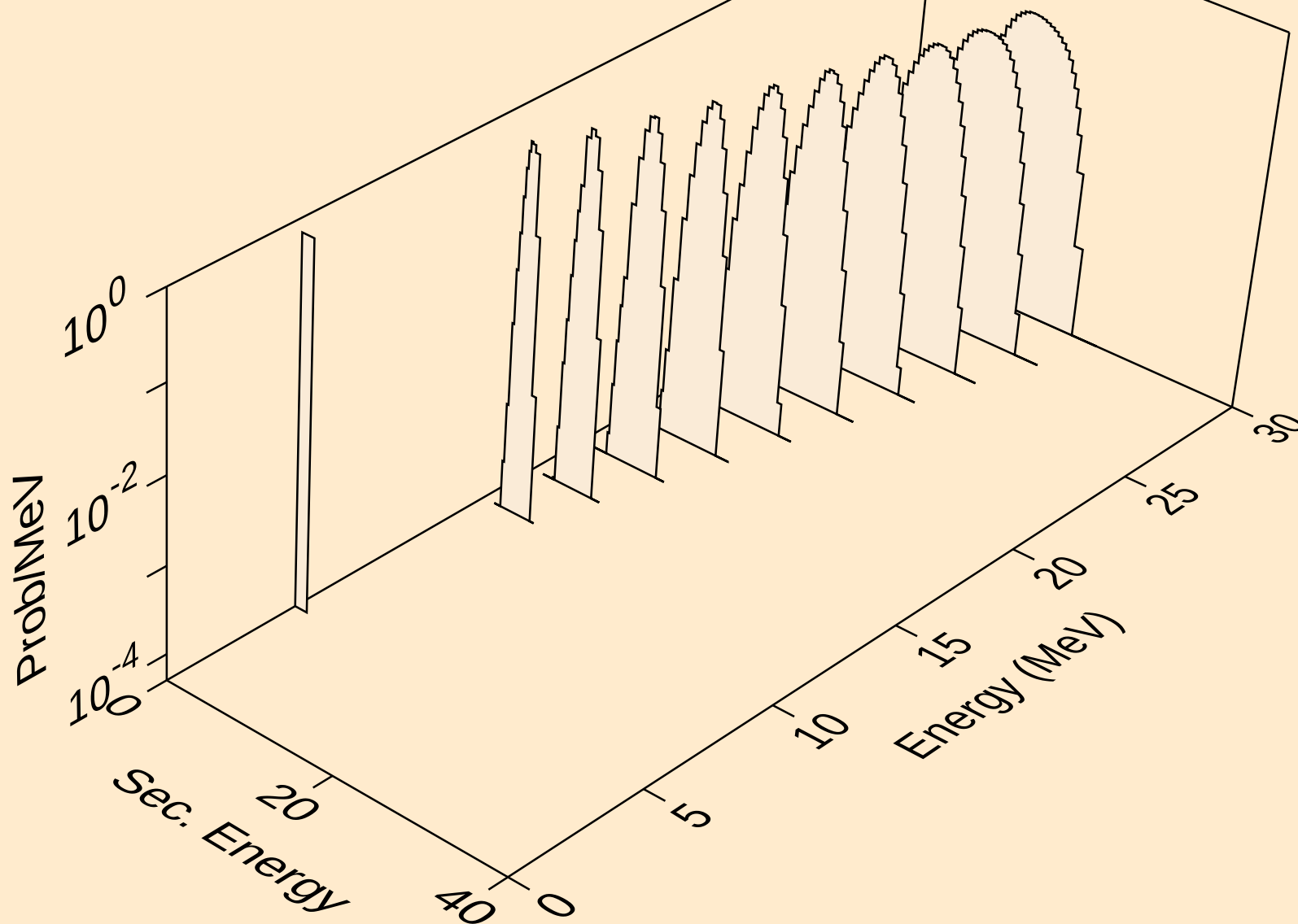
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



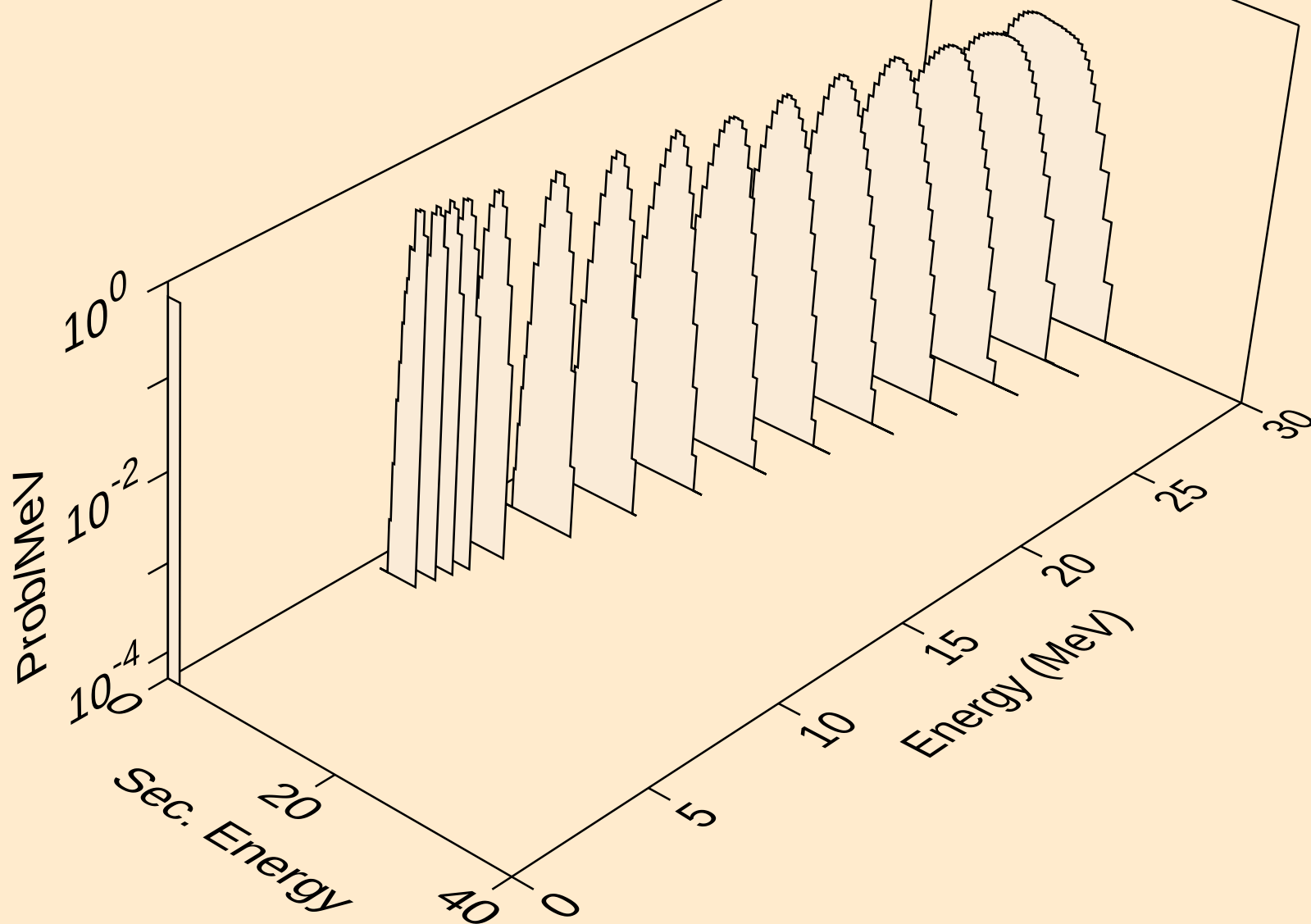
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



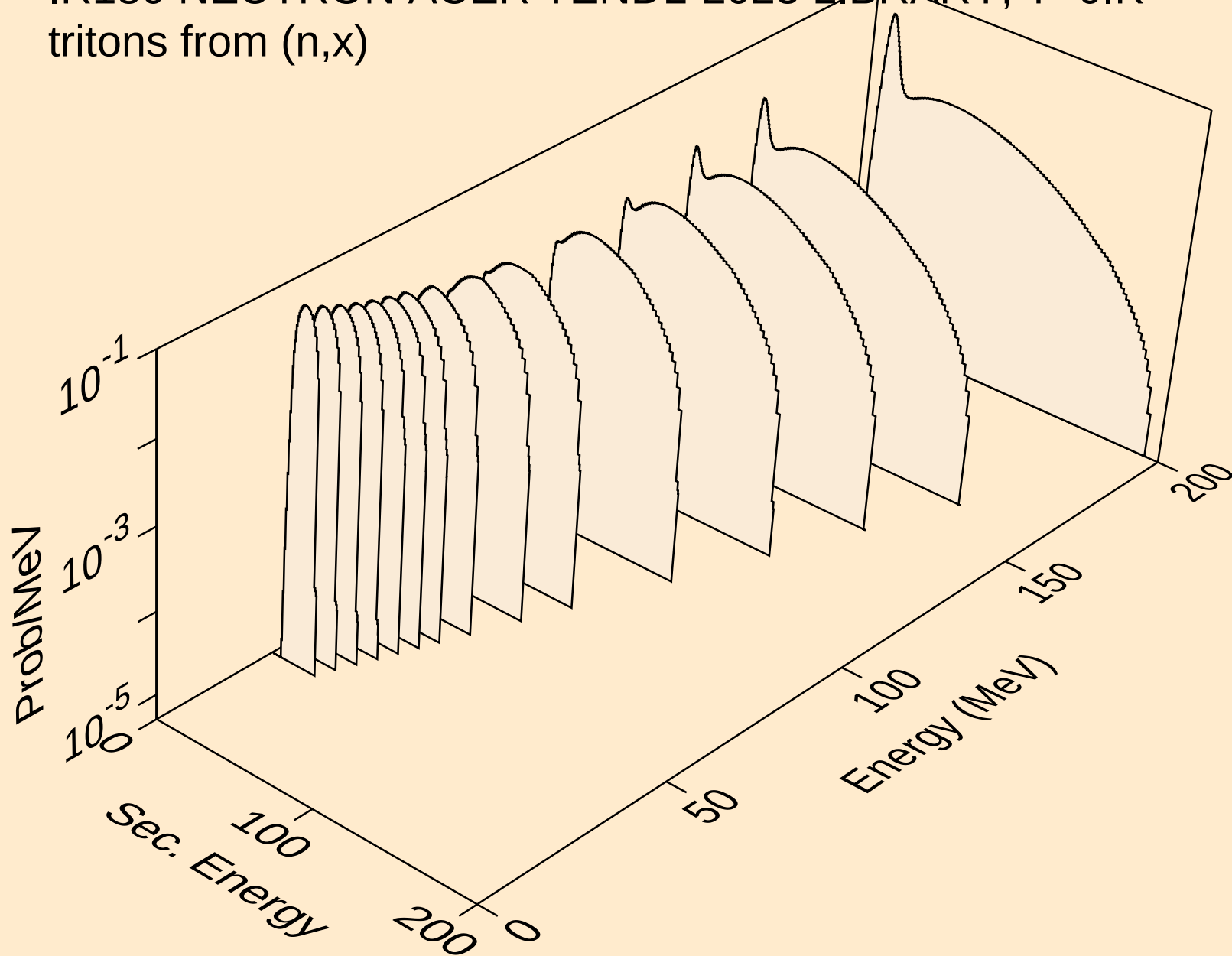
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



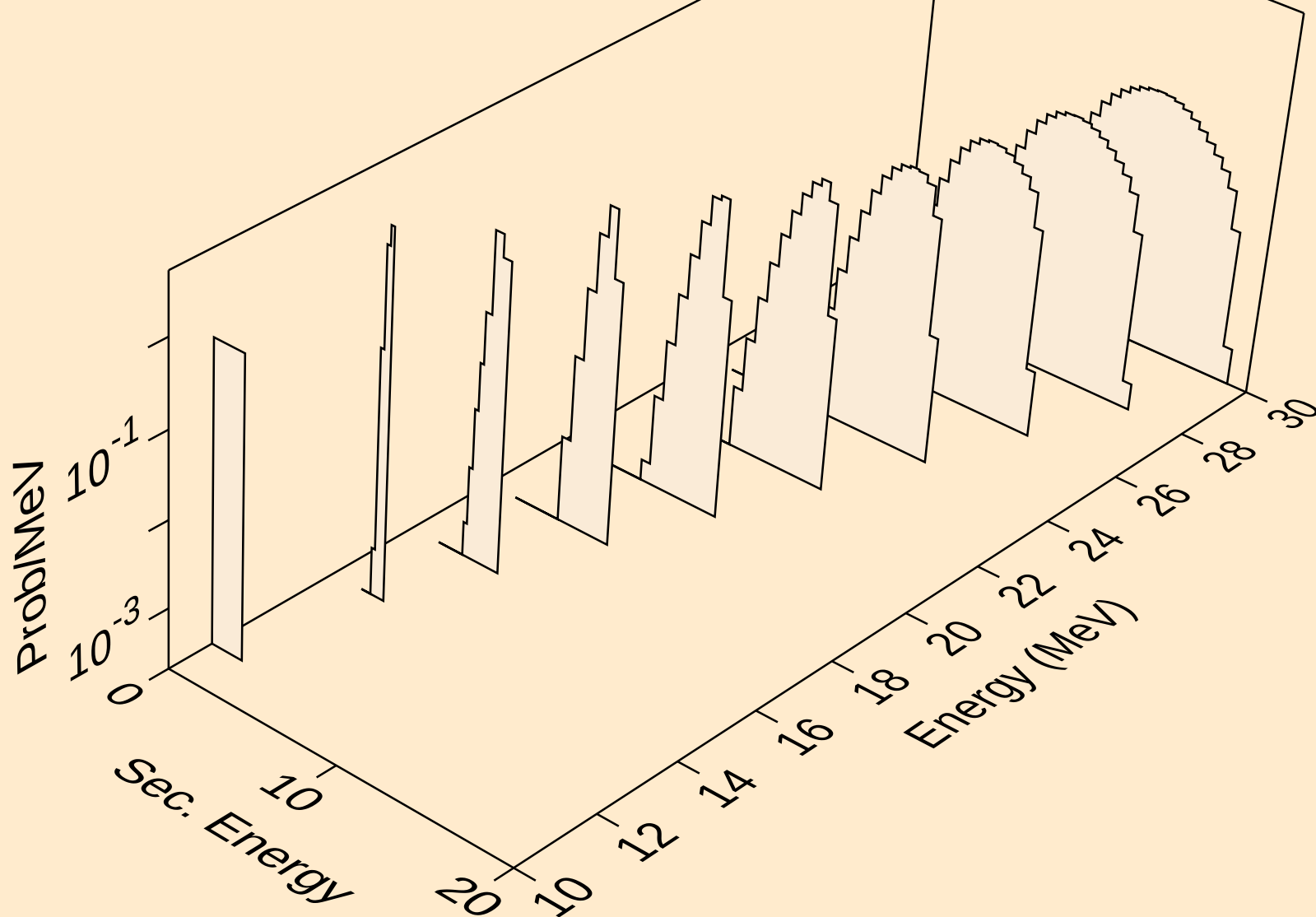
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deuterons from (n,da)



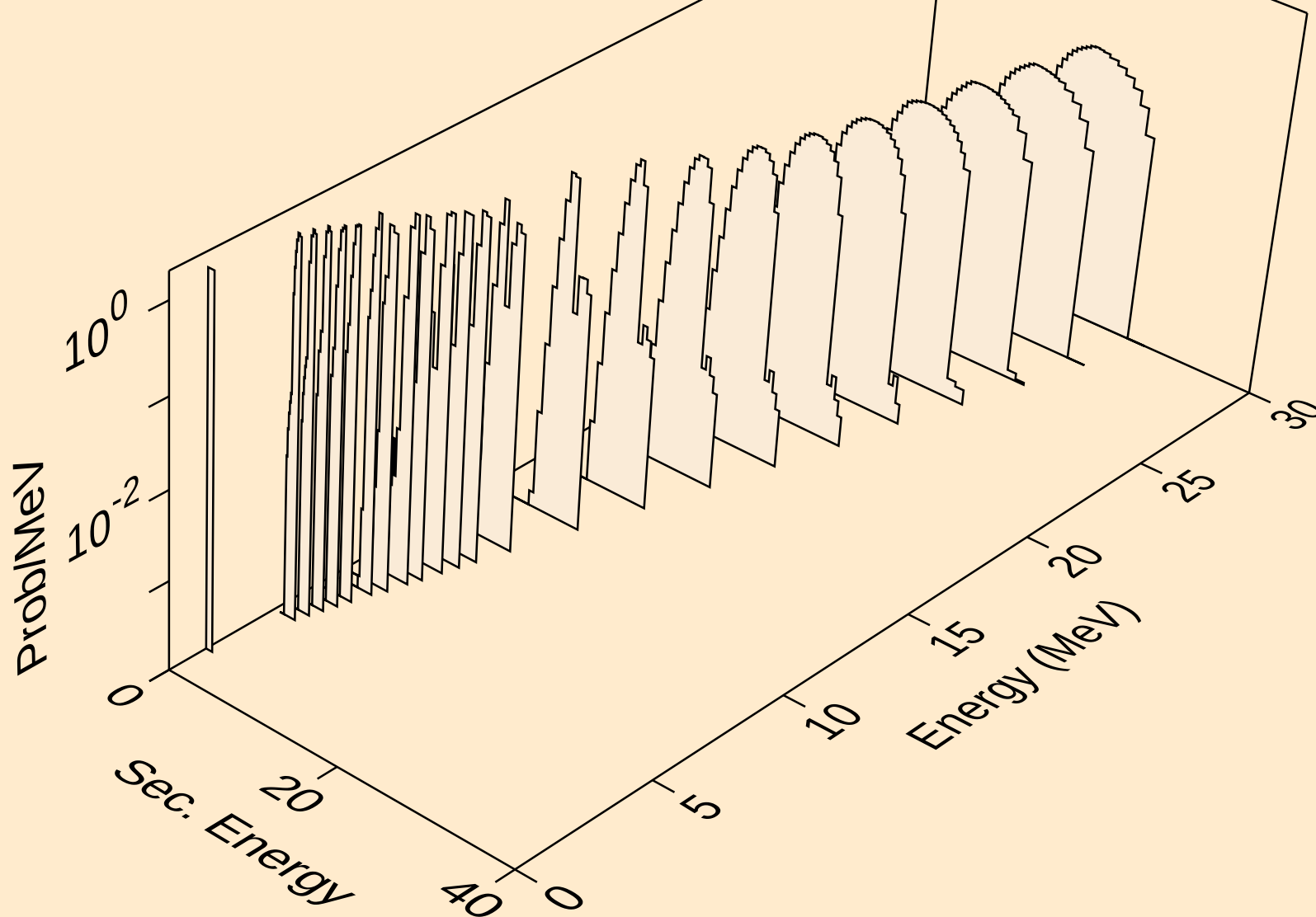
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tritons from (n,x)



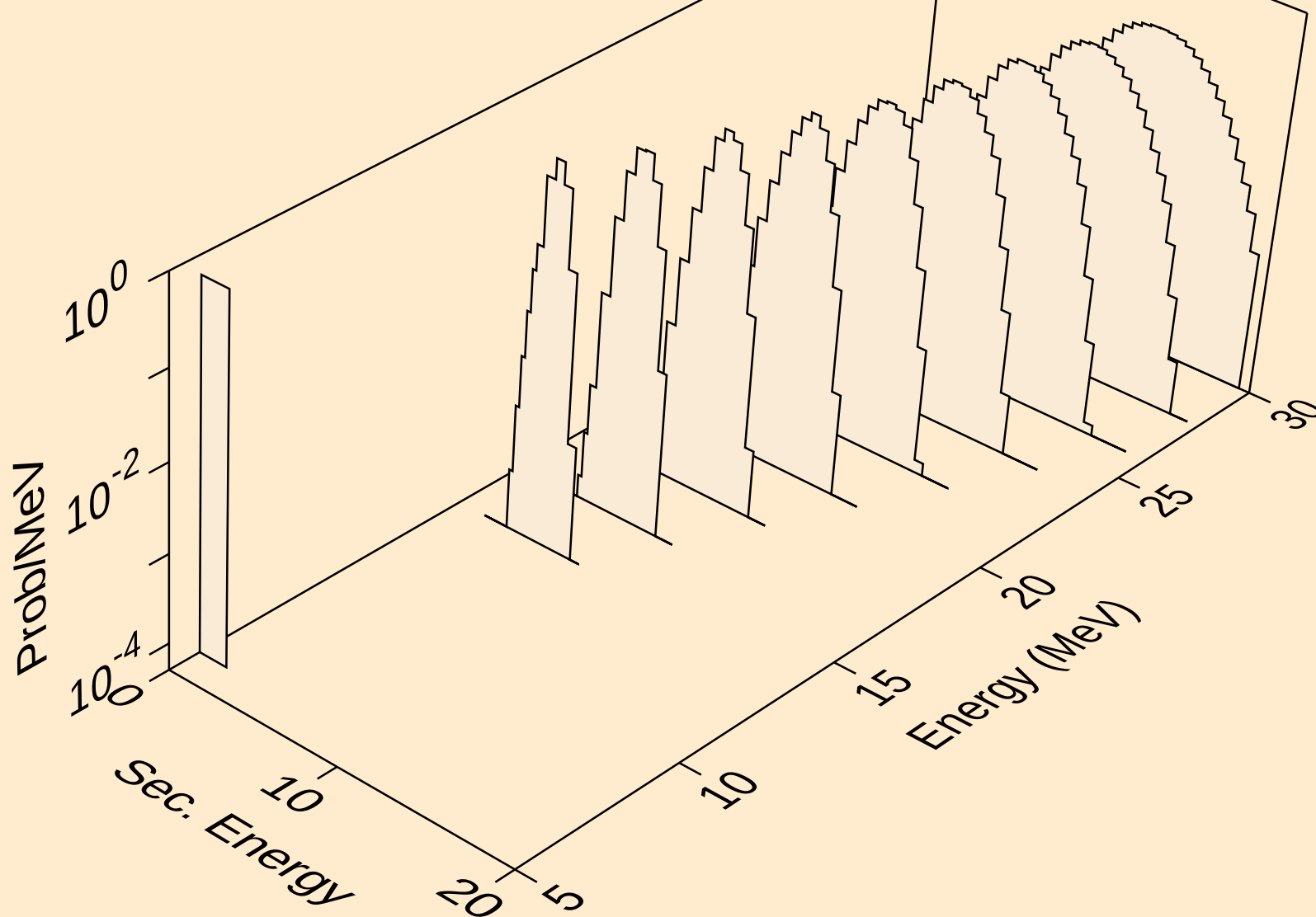
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tritons from (n,n*)t



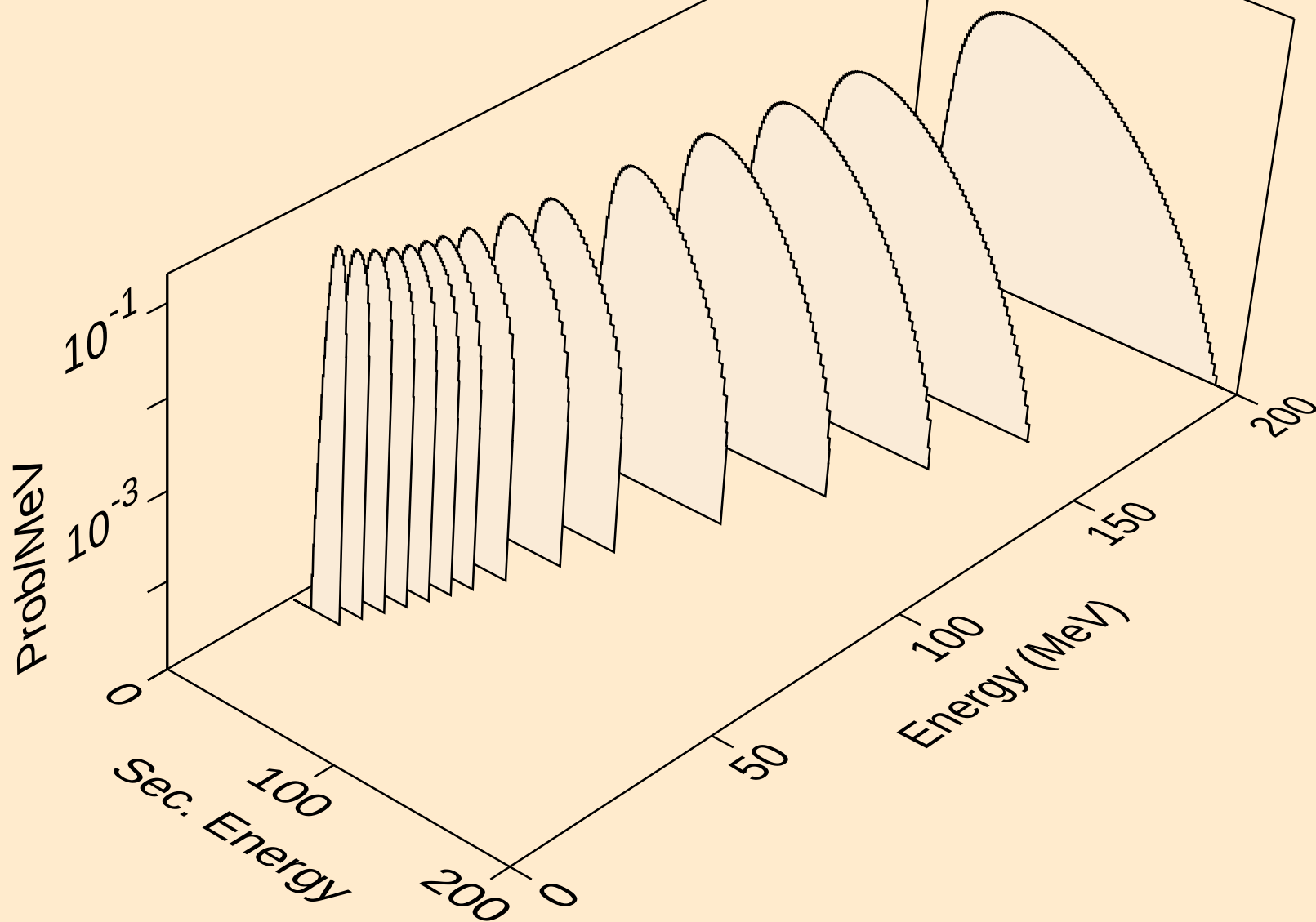
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tritons from (n,t)



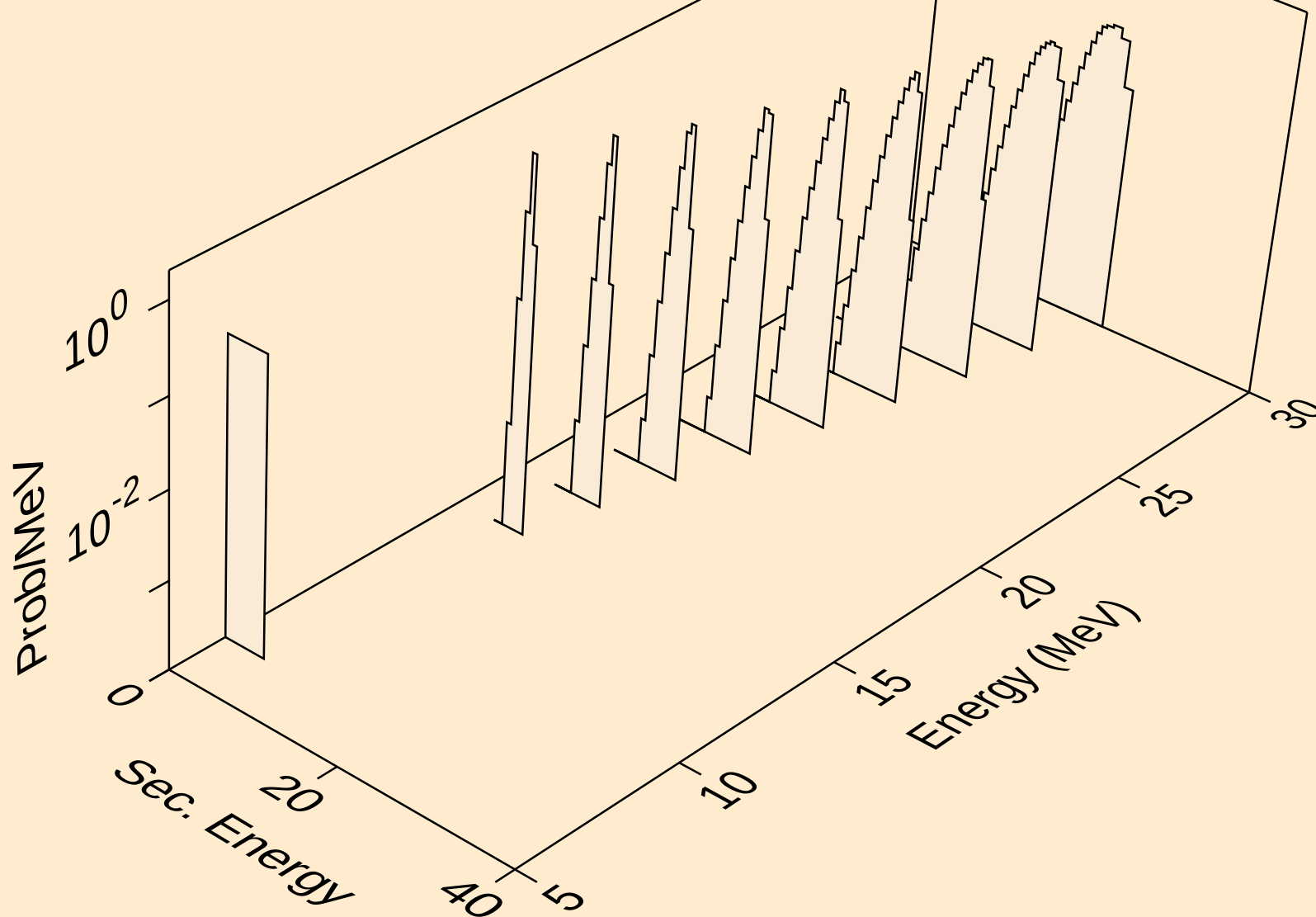
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tritons from (n,pt)



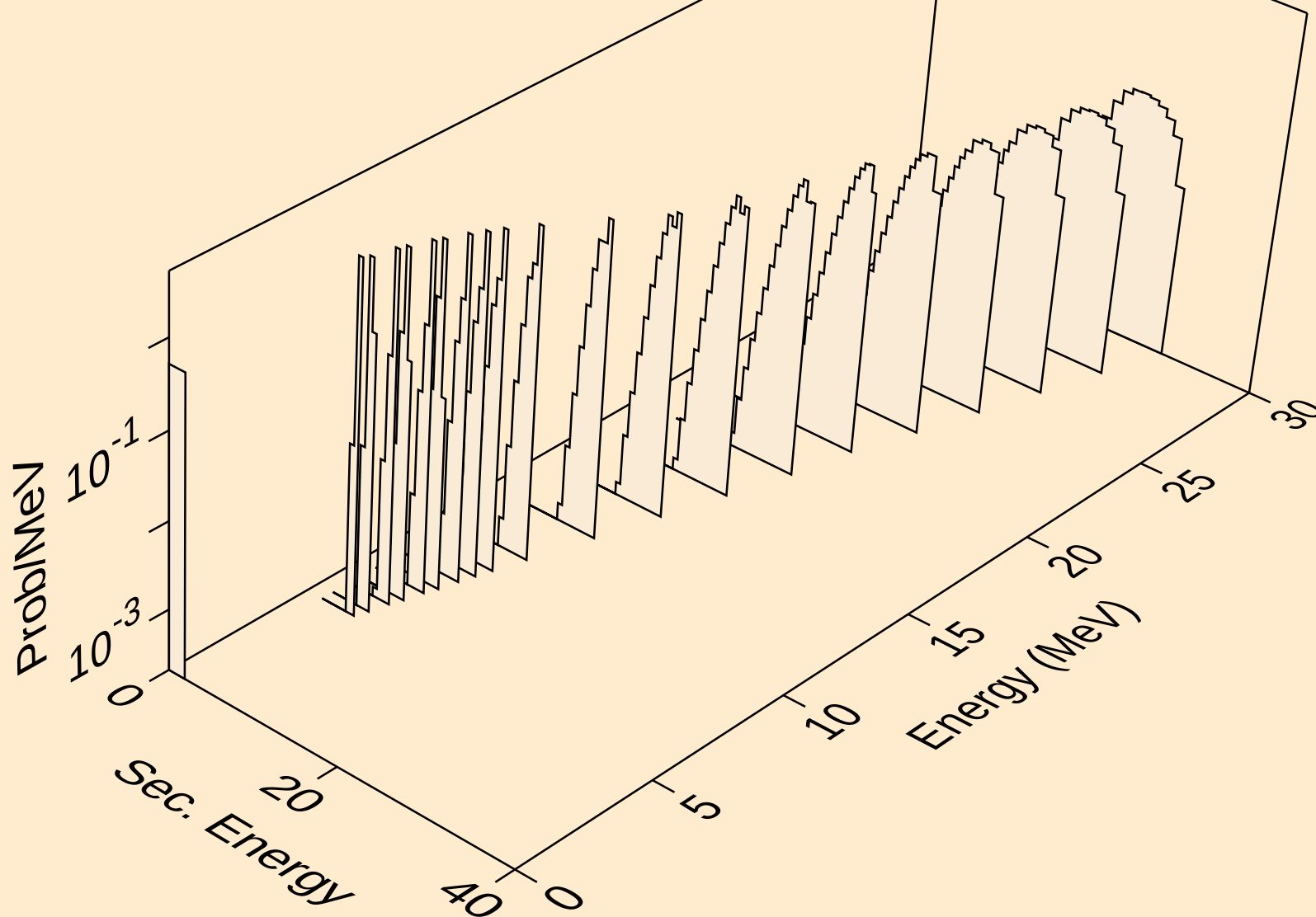
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



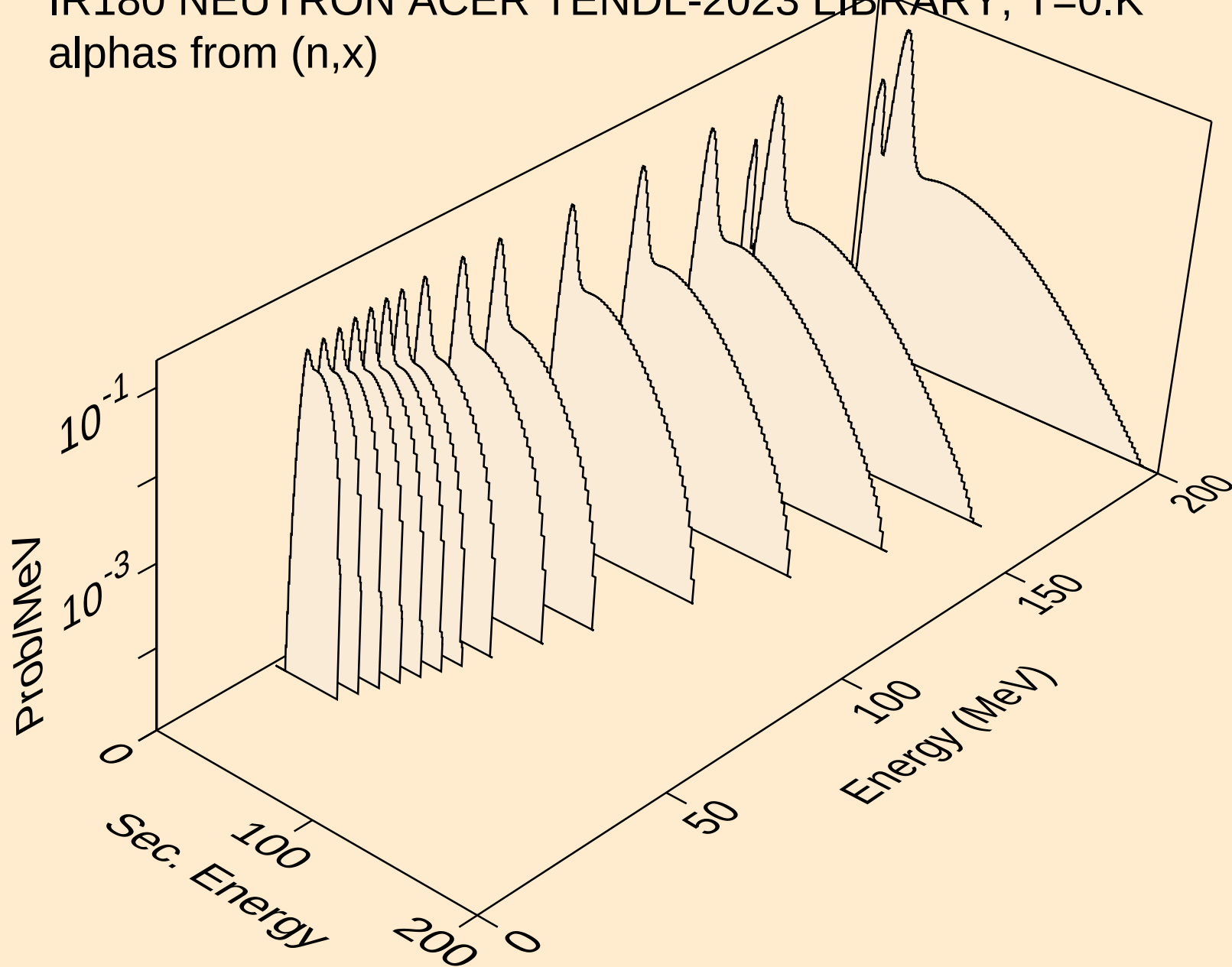
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



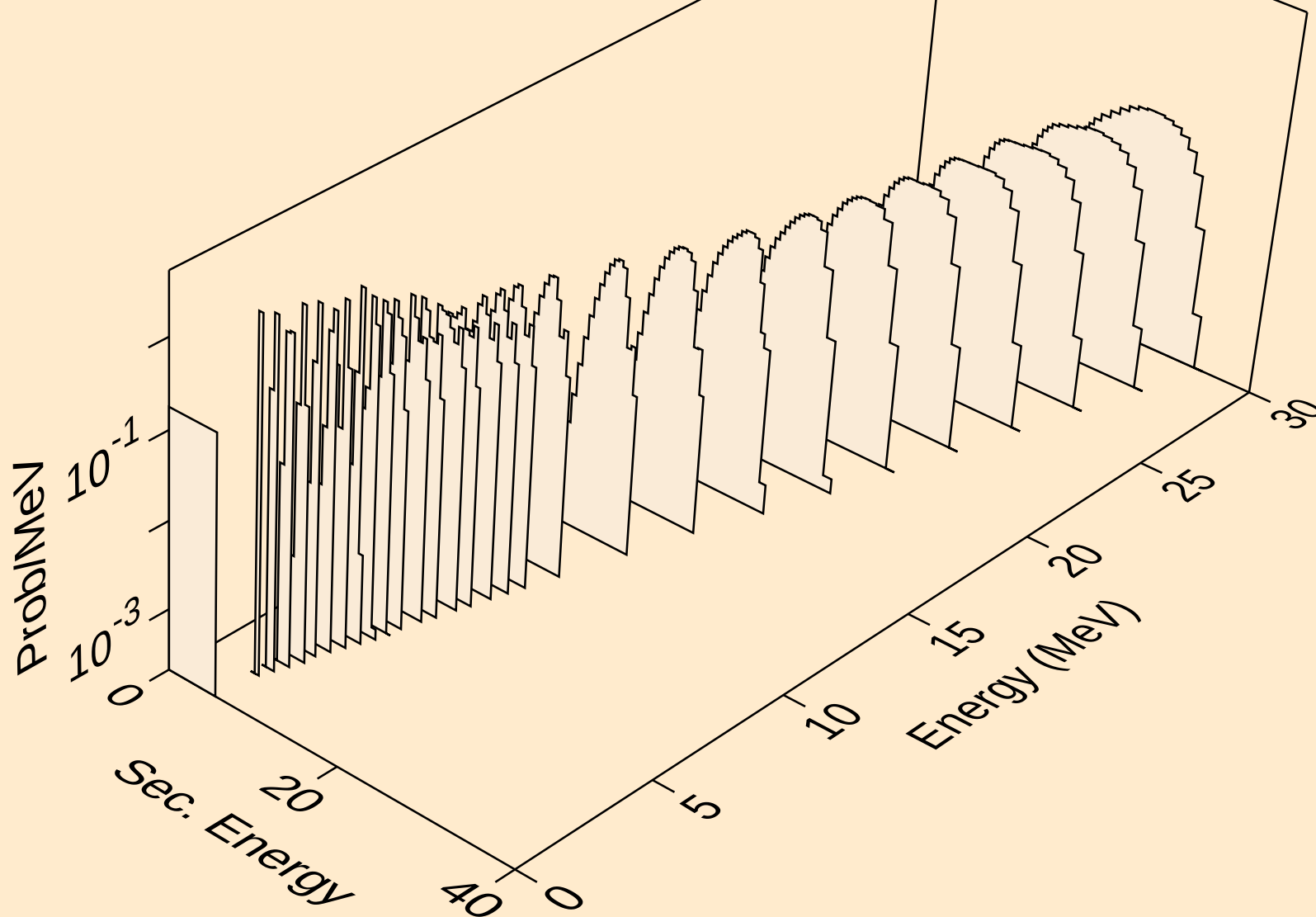
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



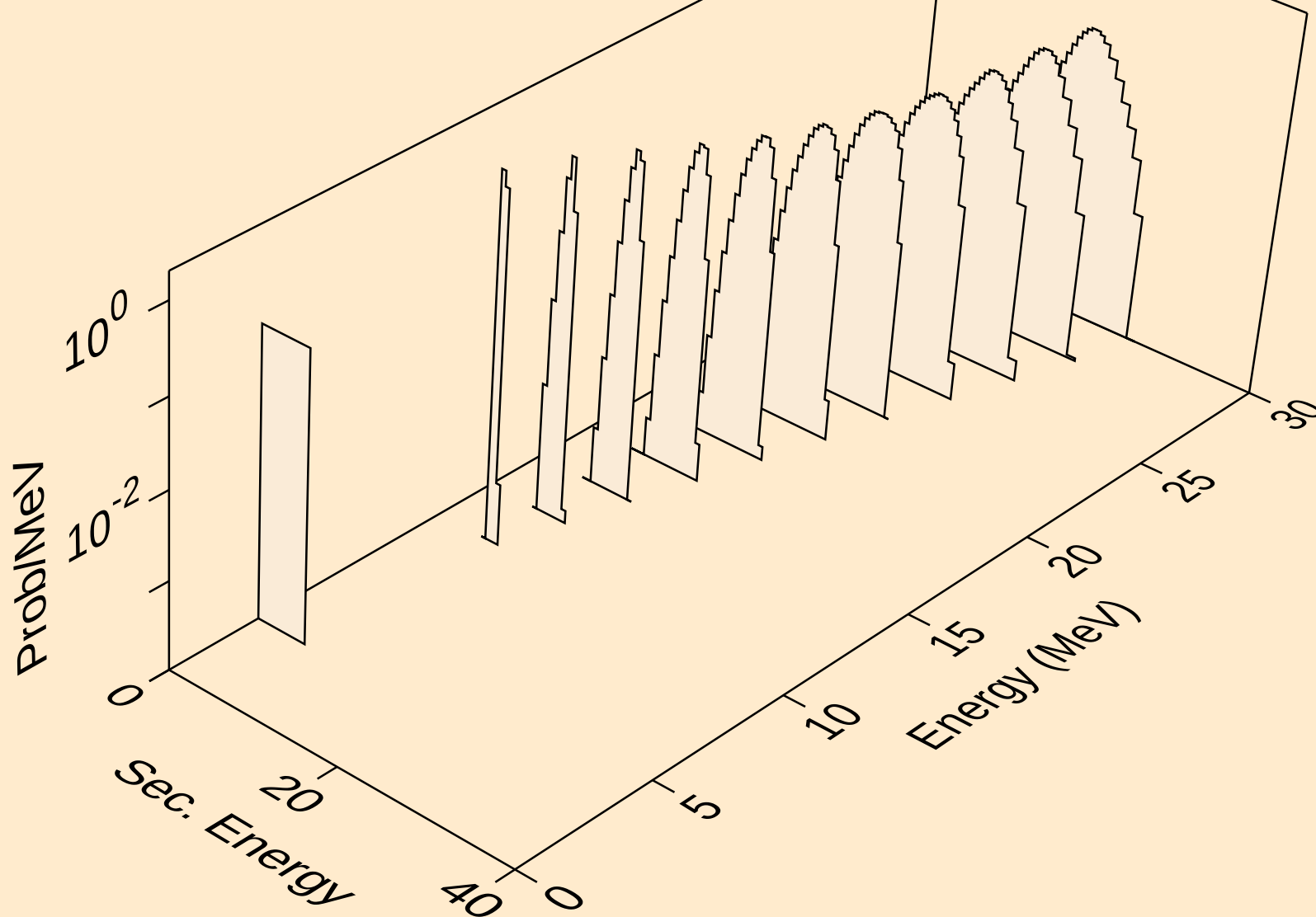
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



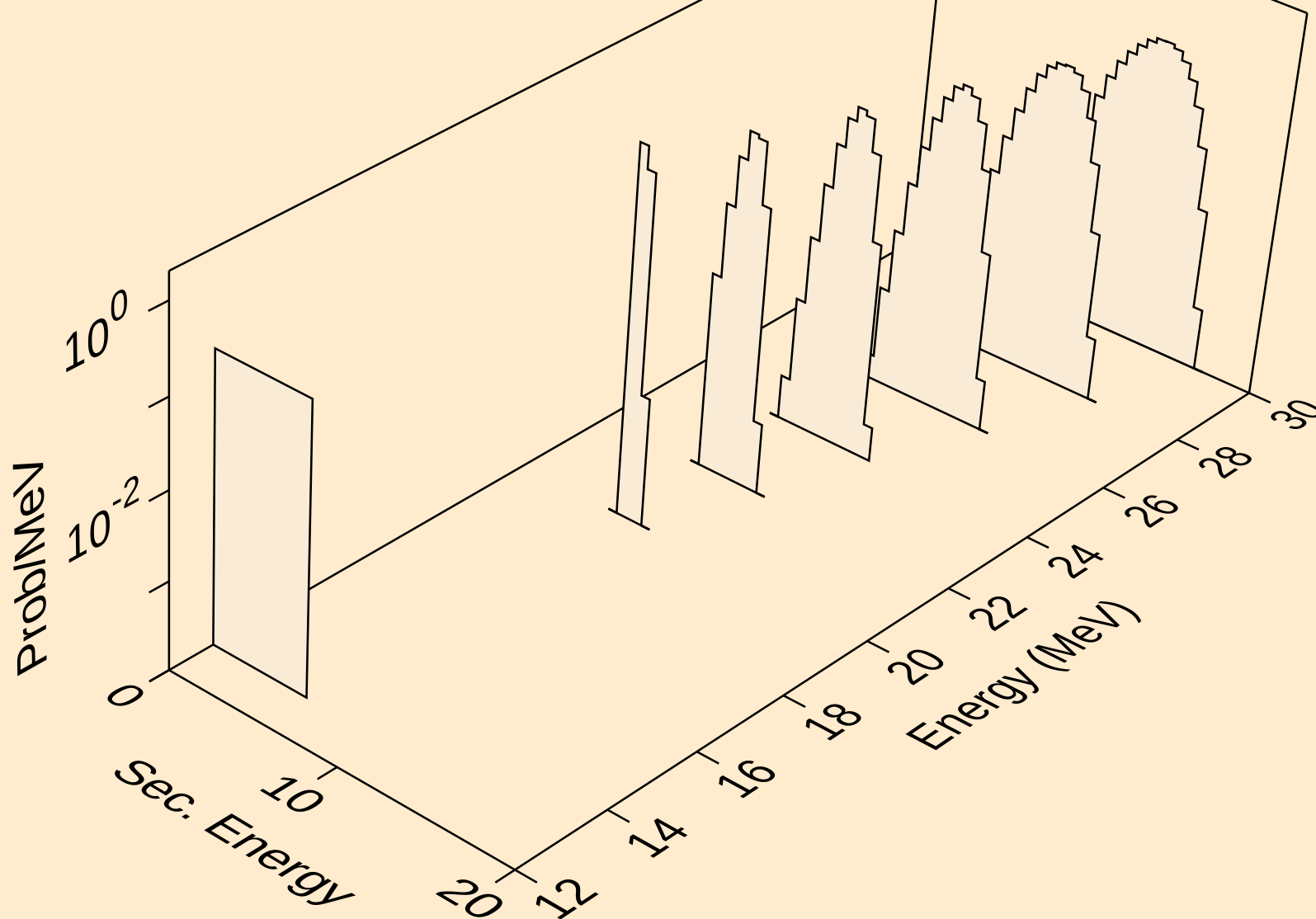
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



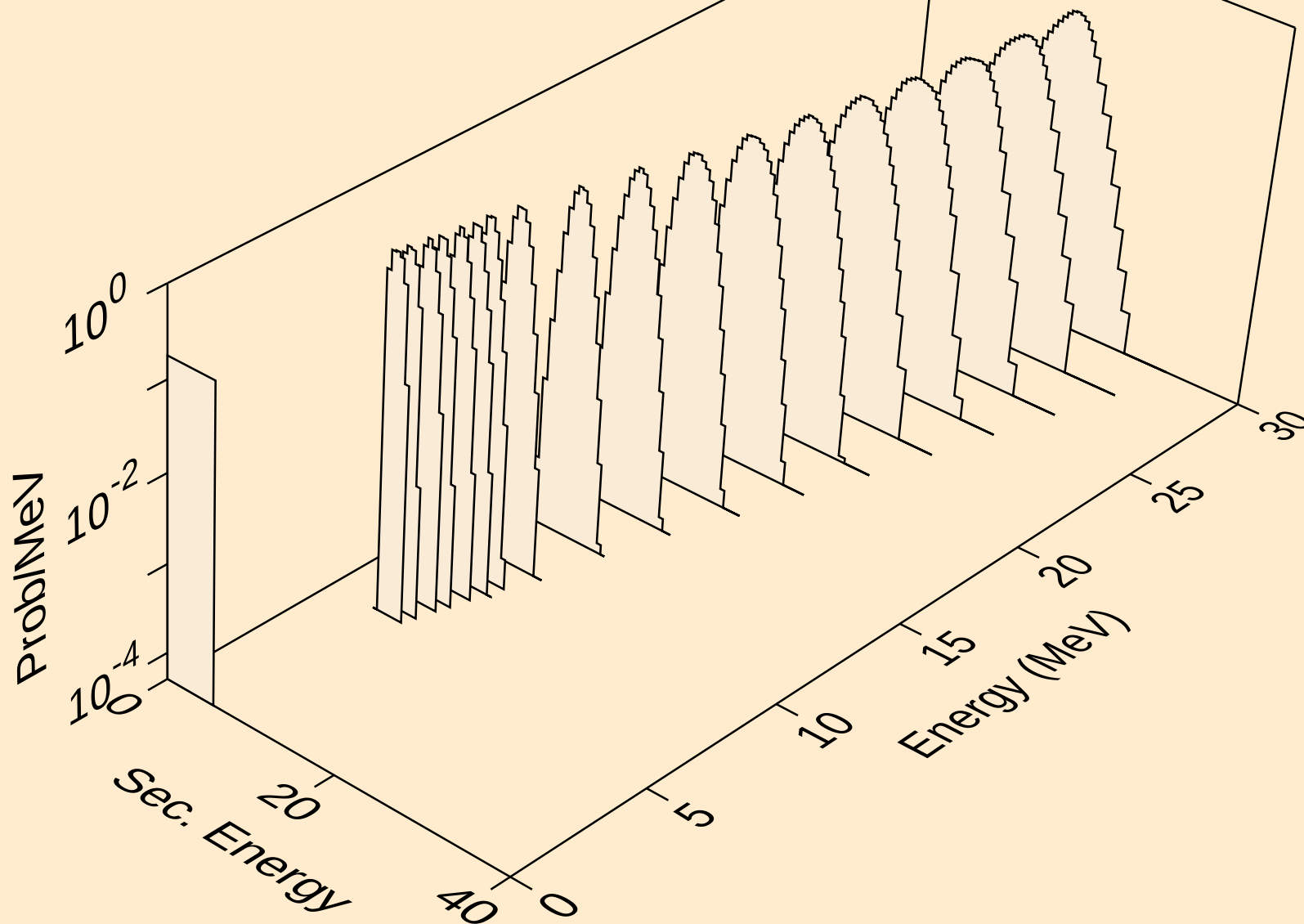
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



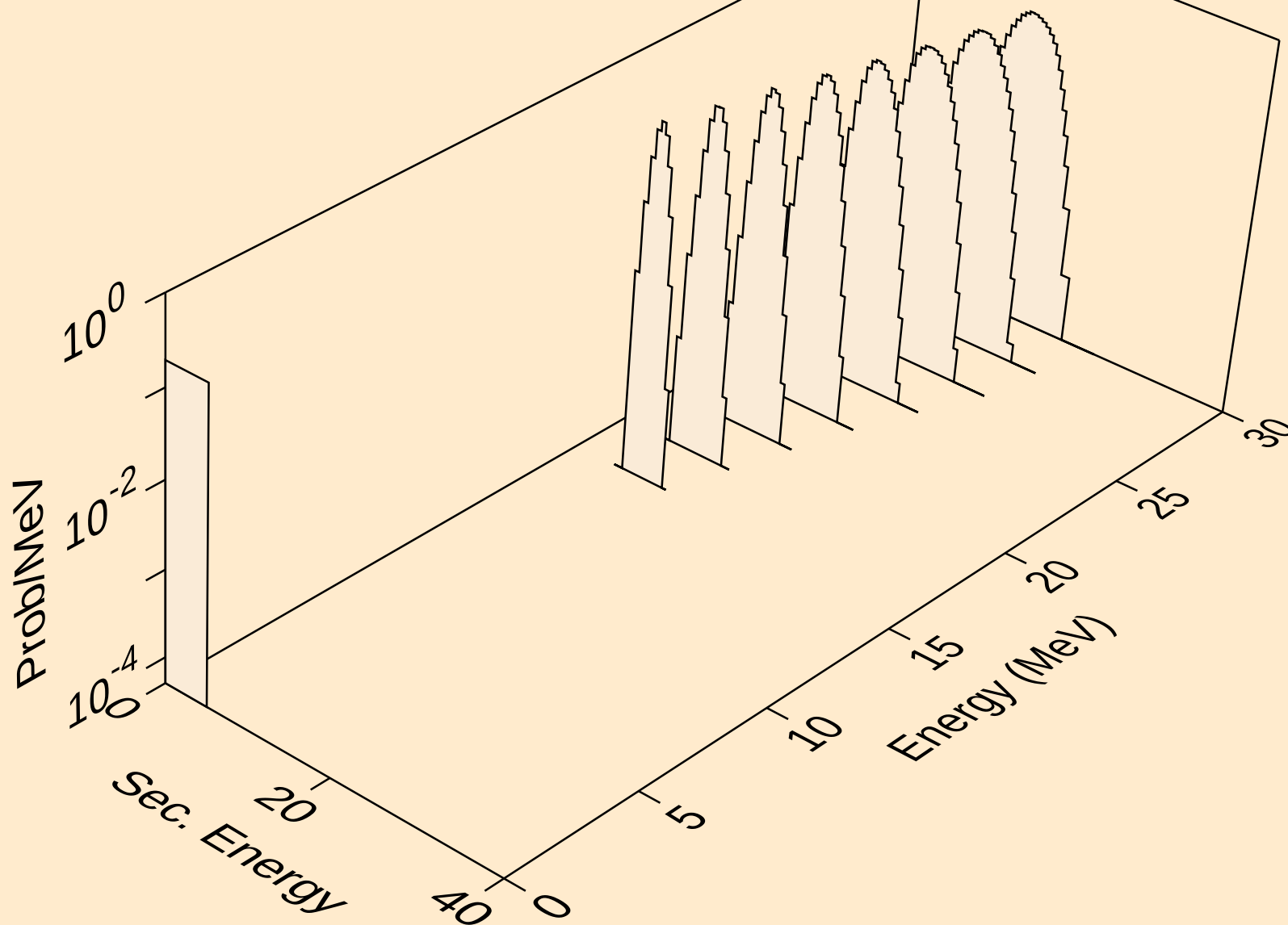
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



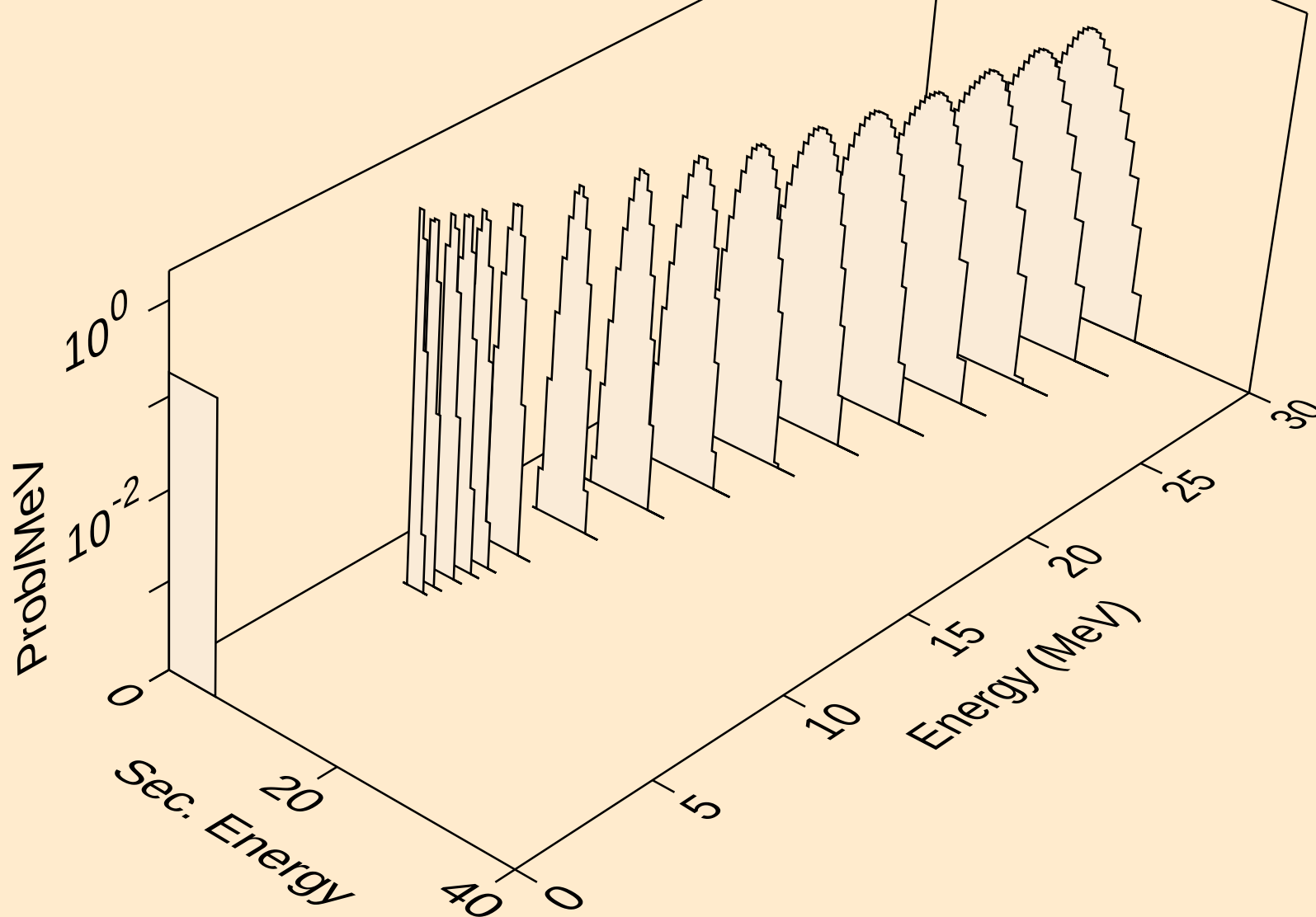
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alphas from (n,n*)2a



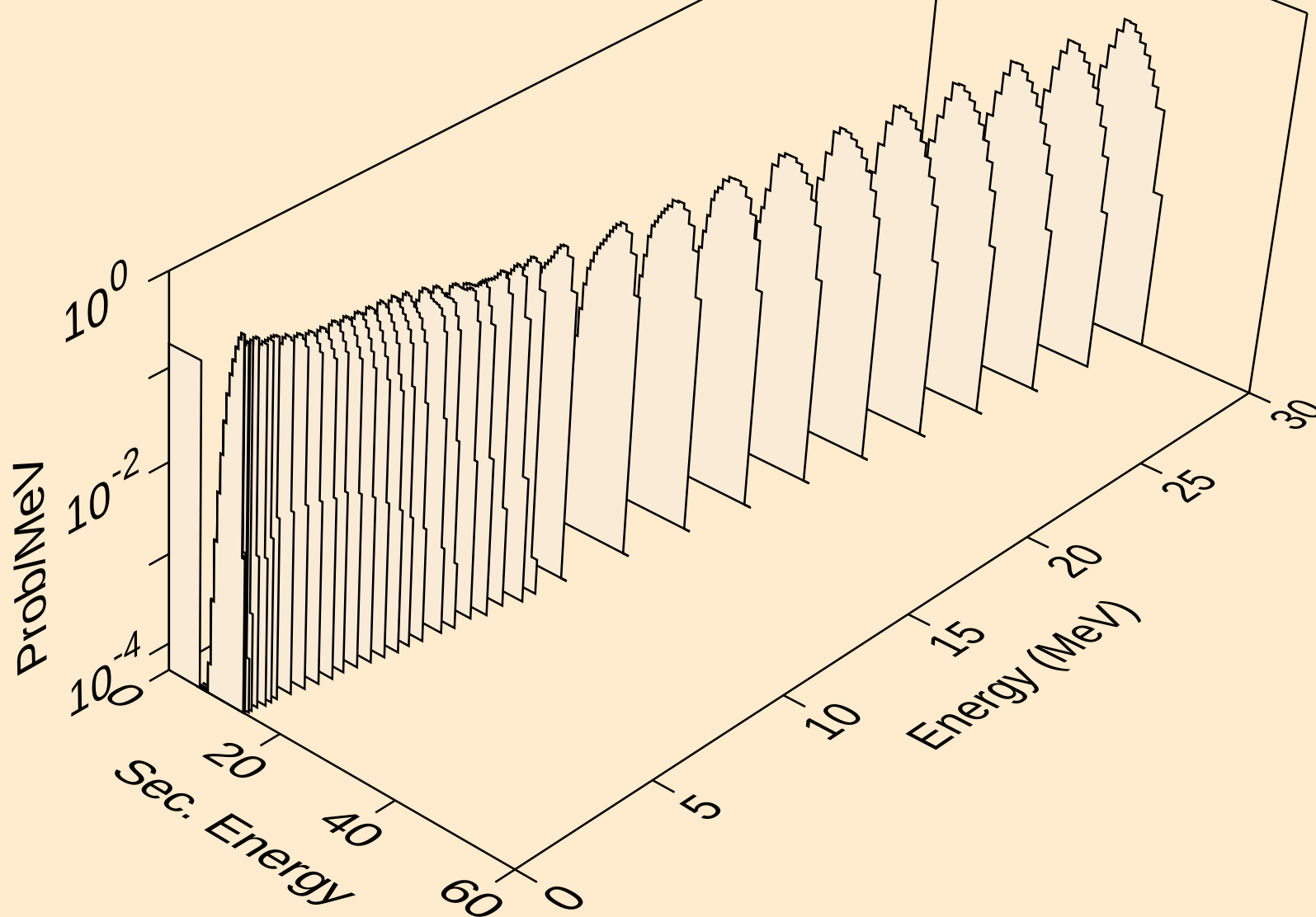
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alphas from (n,2n)2a



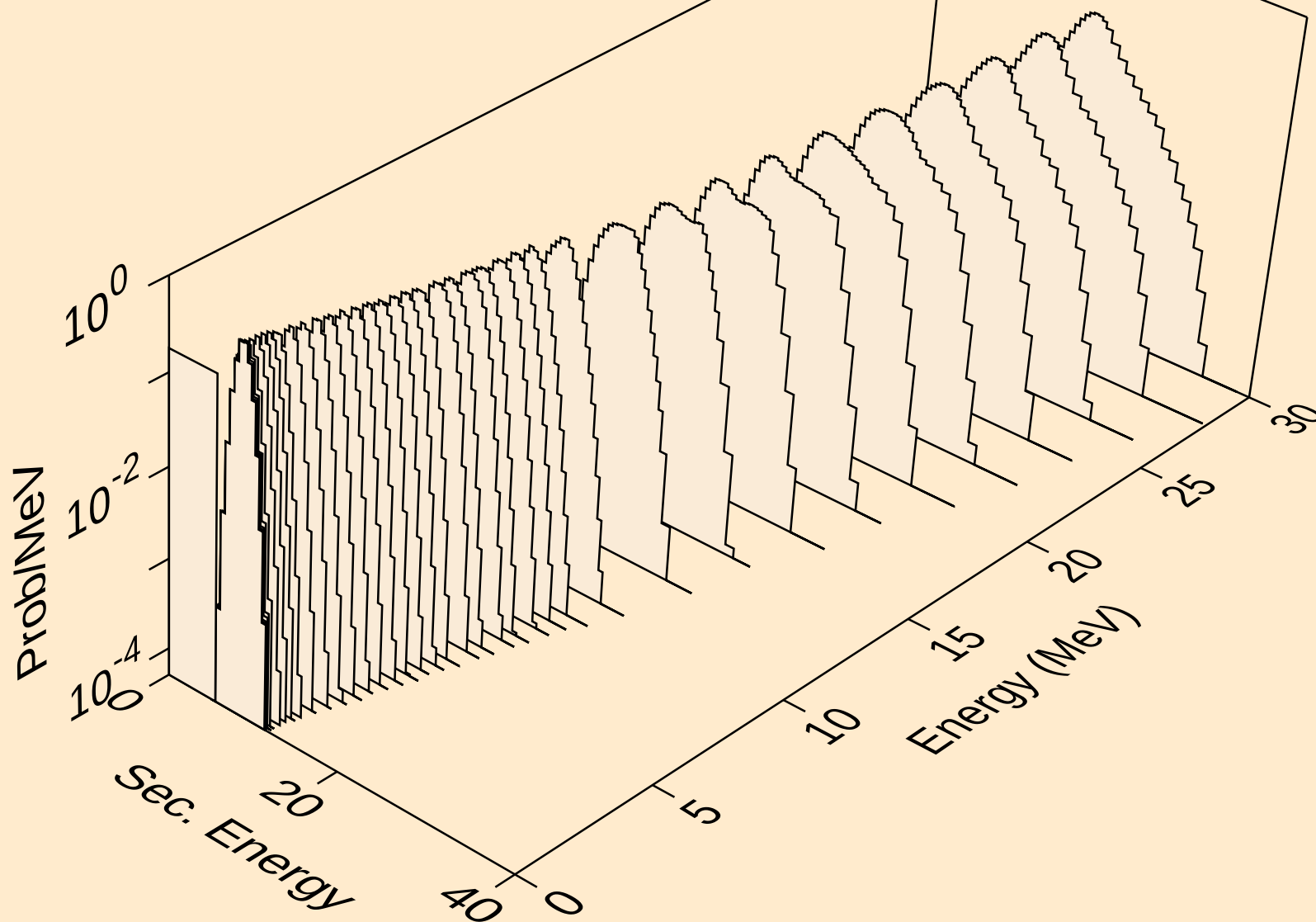
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alphas from (n,npa)



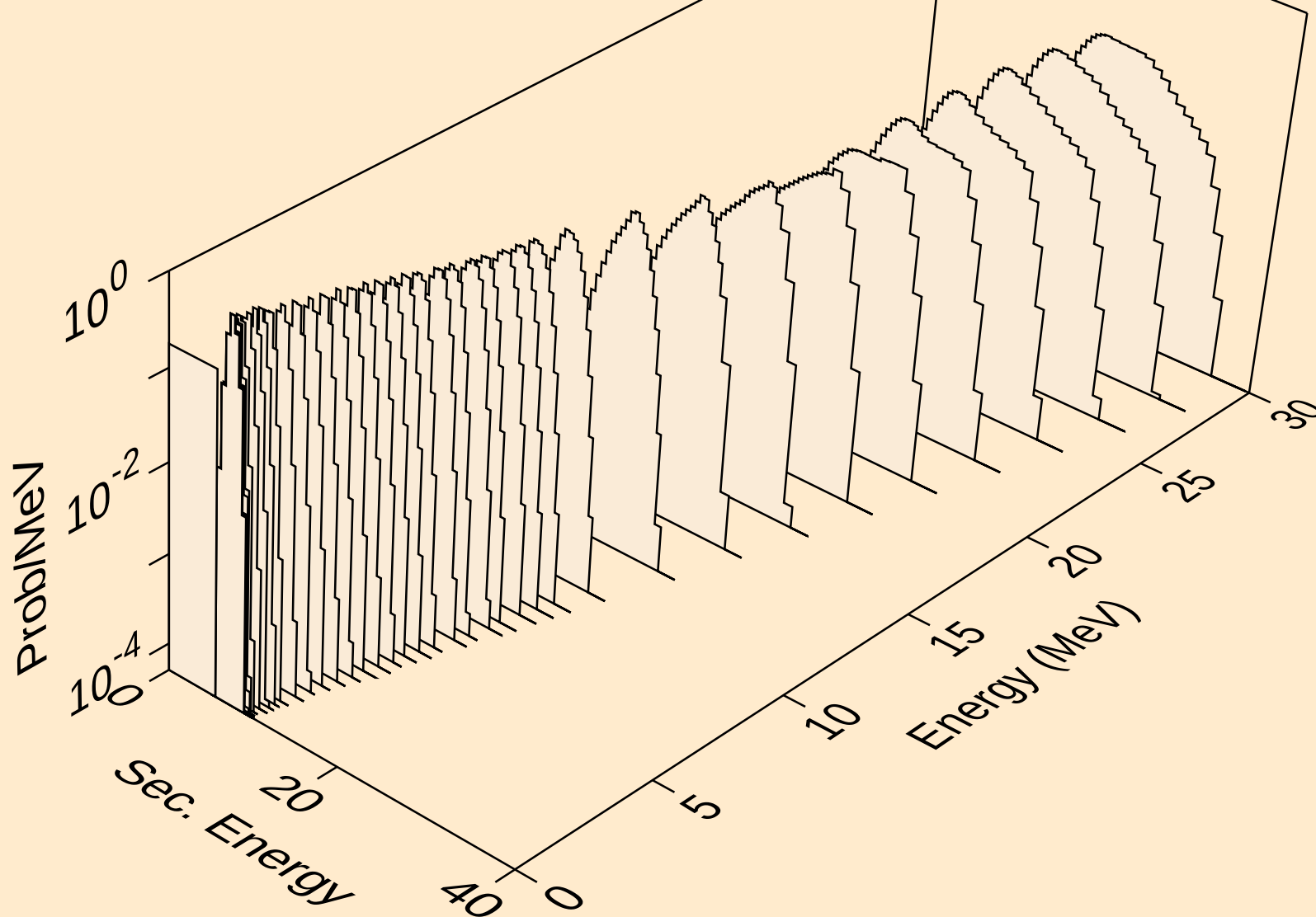
IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



IR180 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

