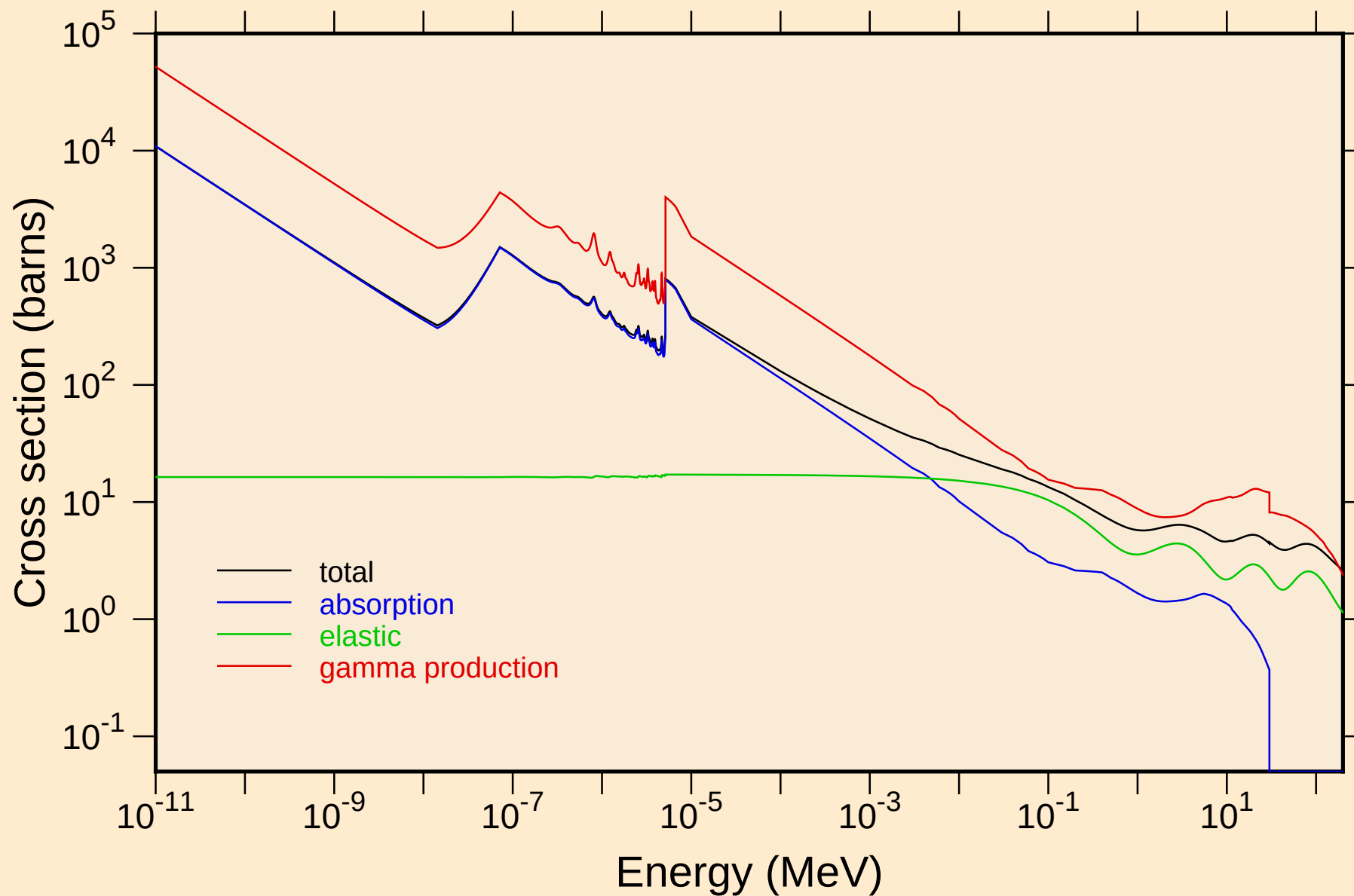


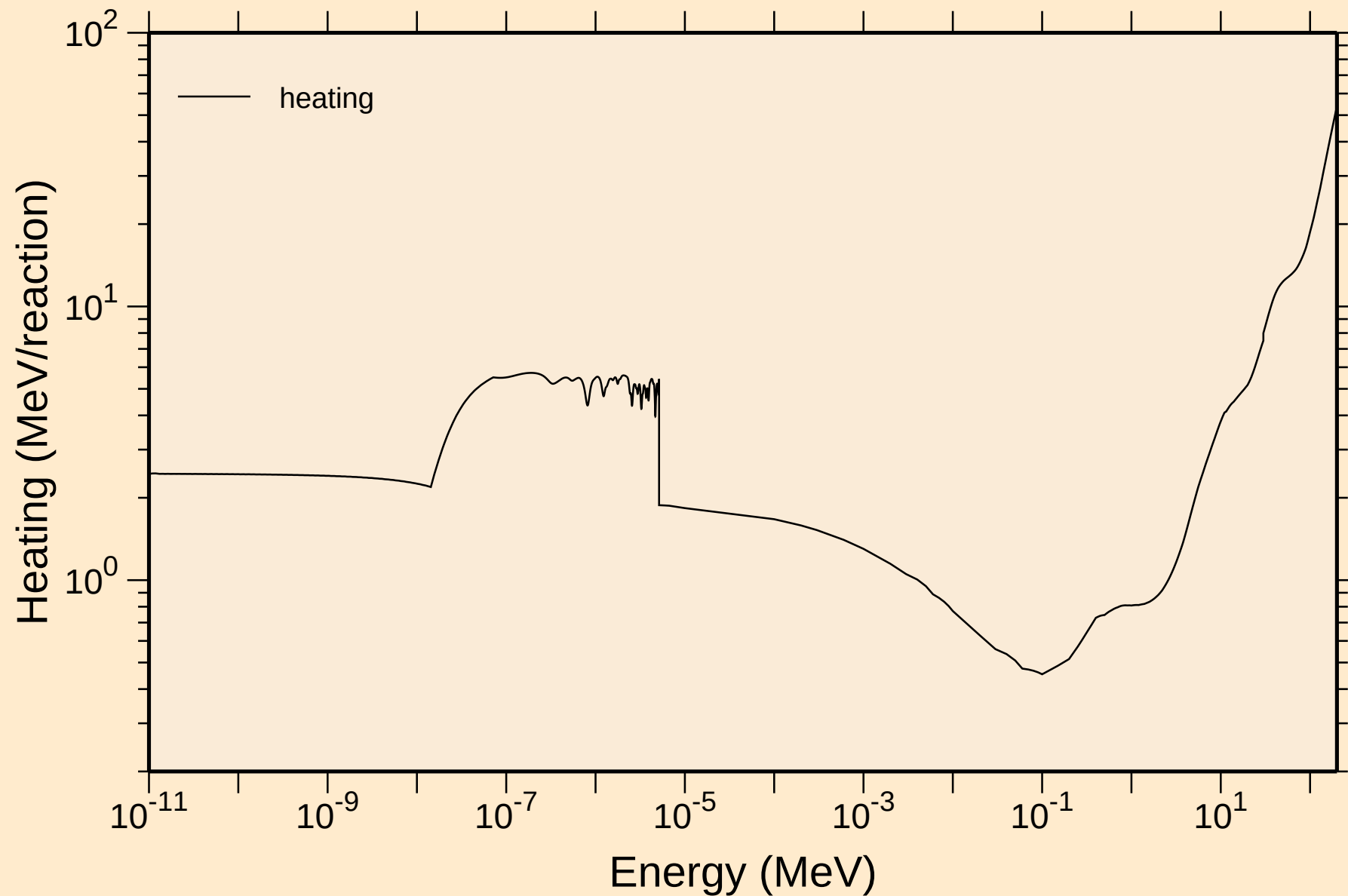
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



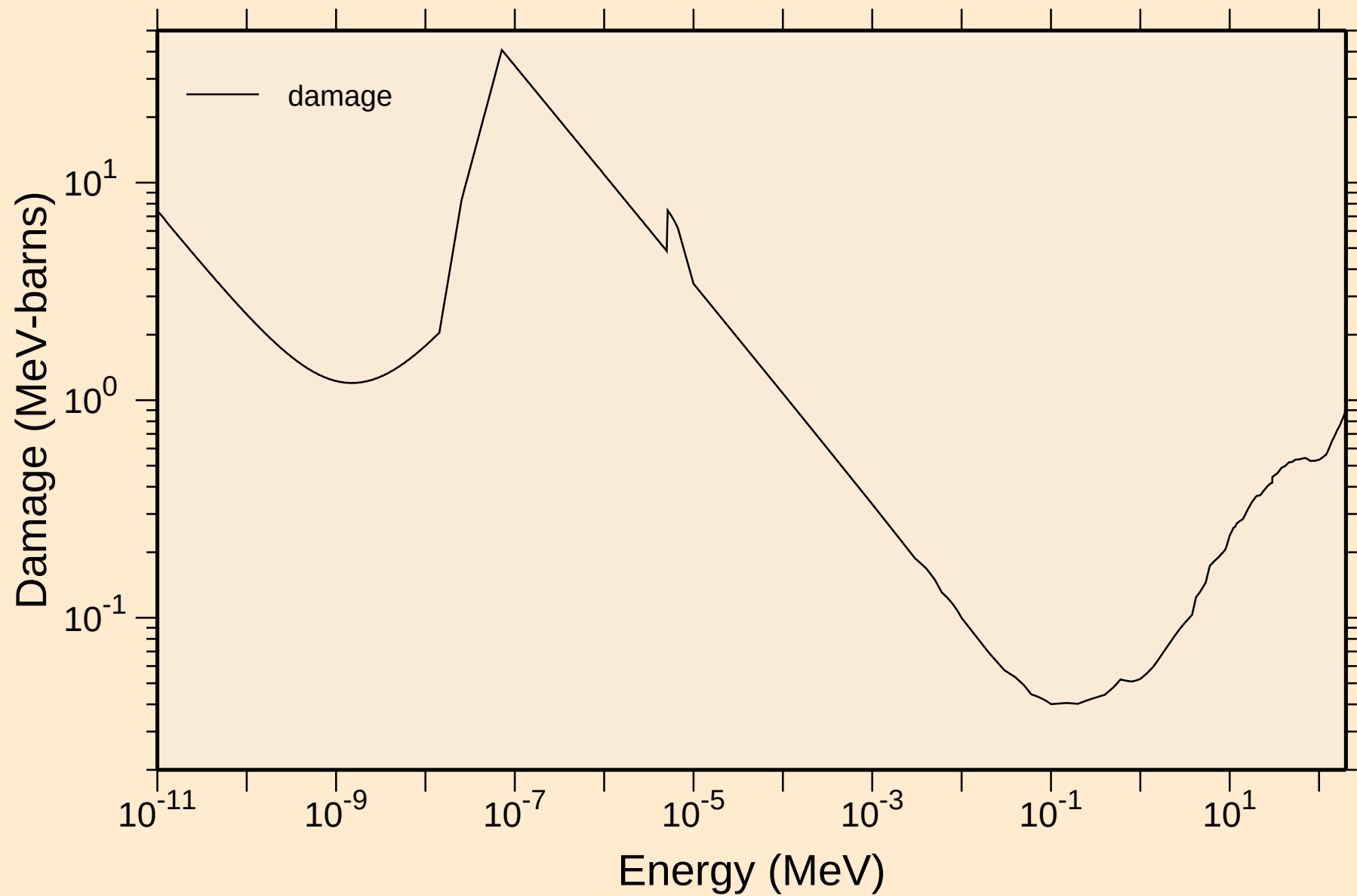
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



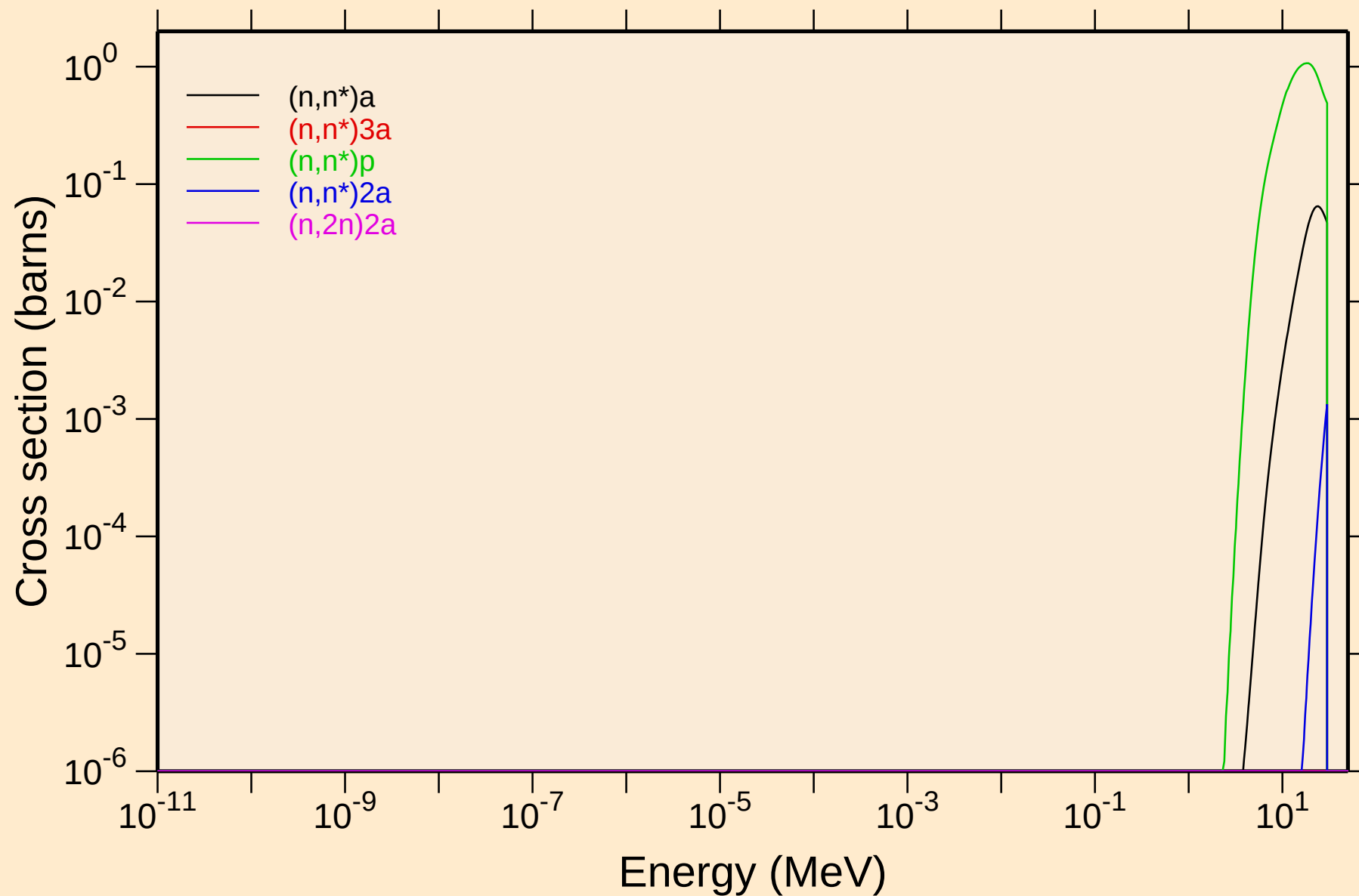
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

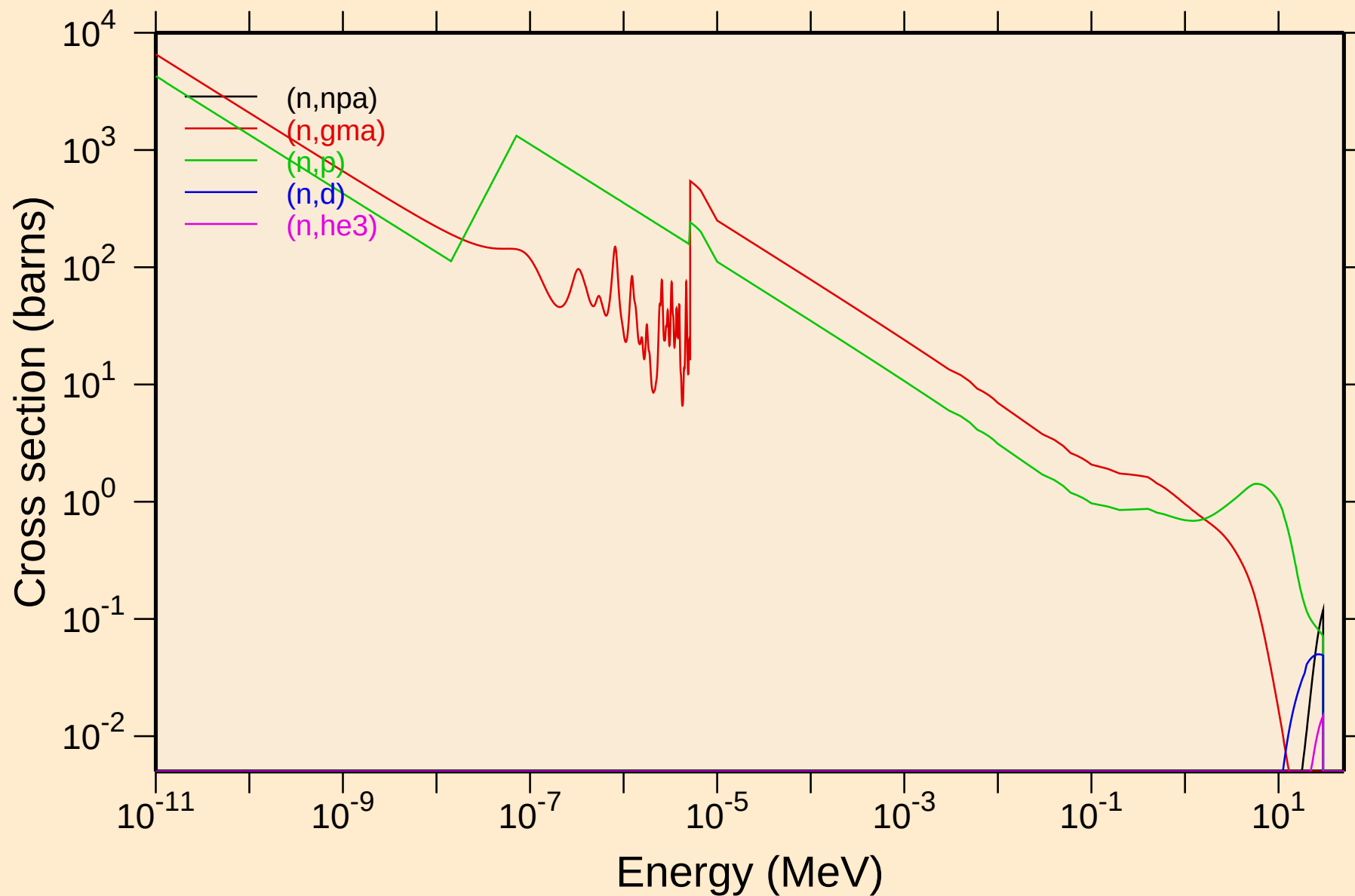


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

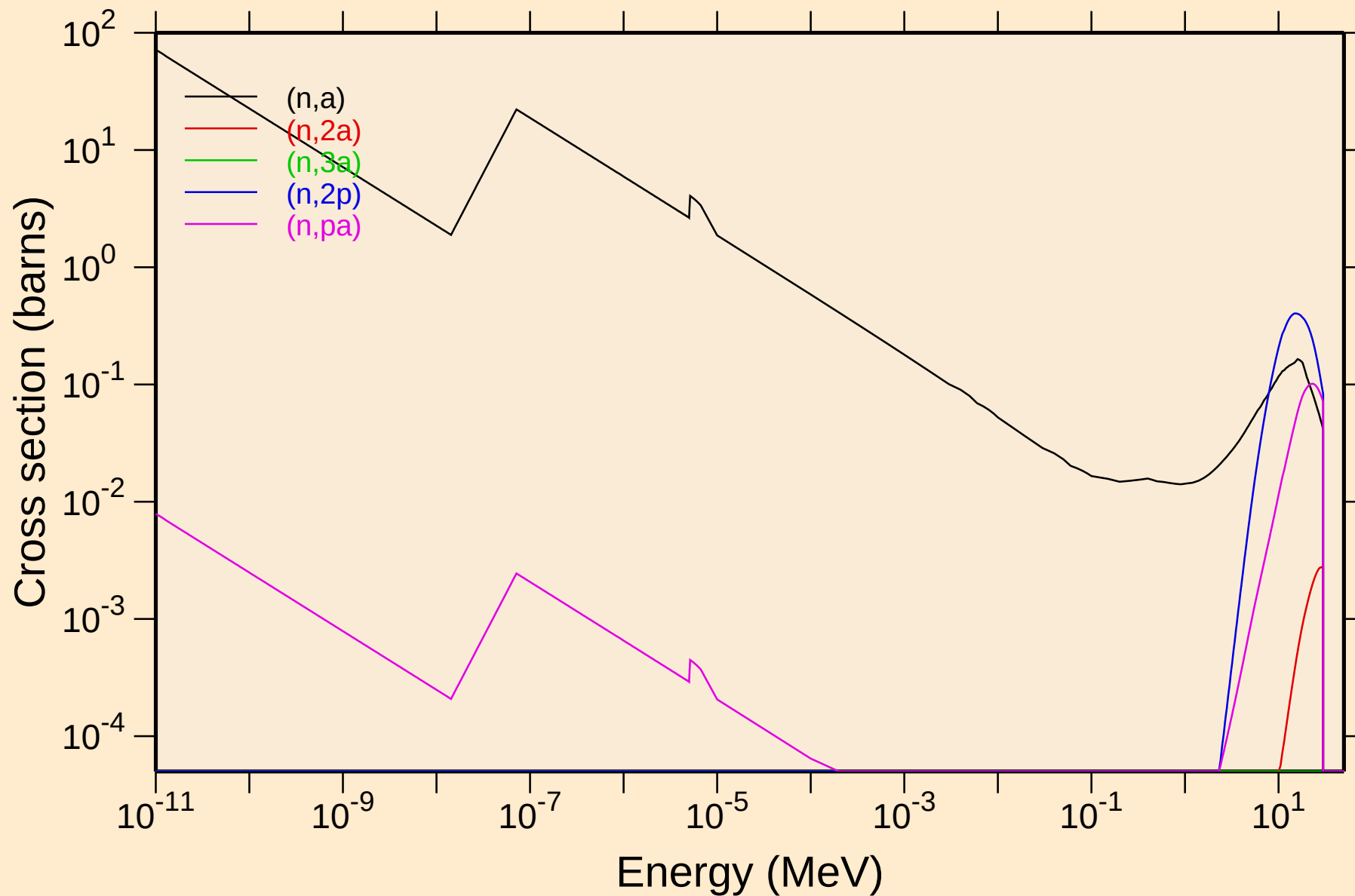


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

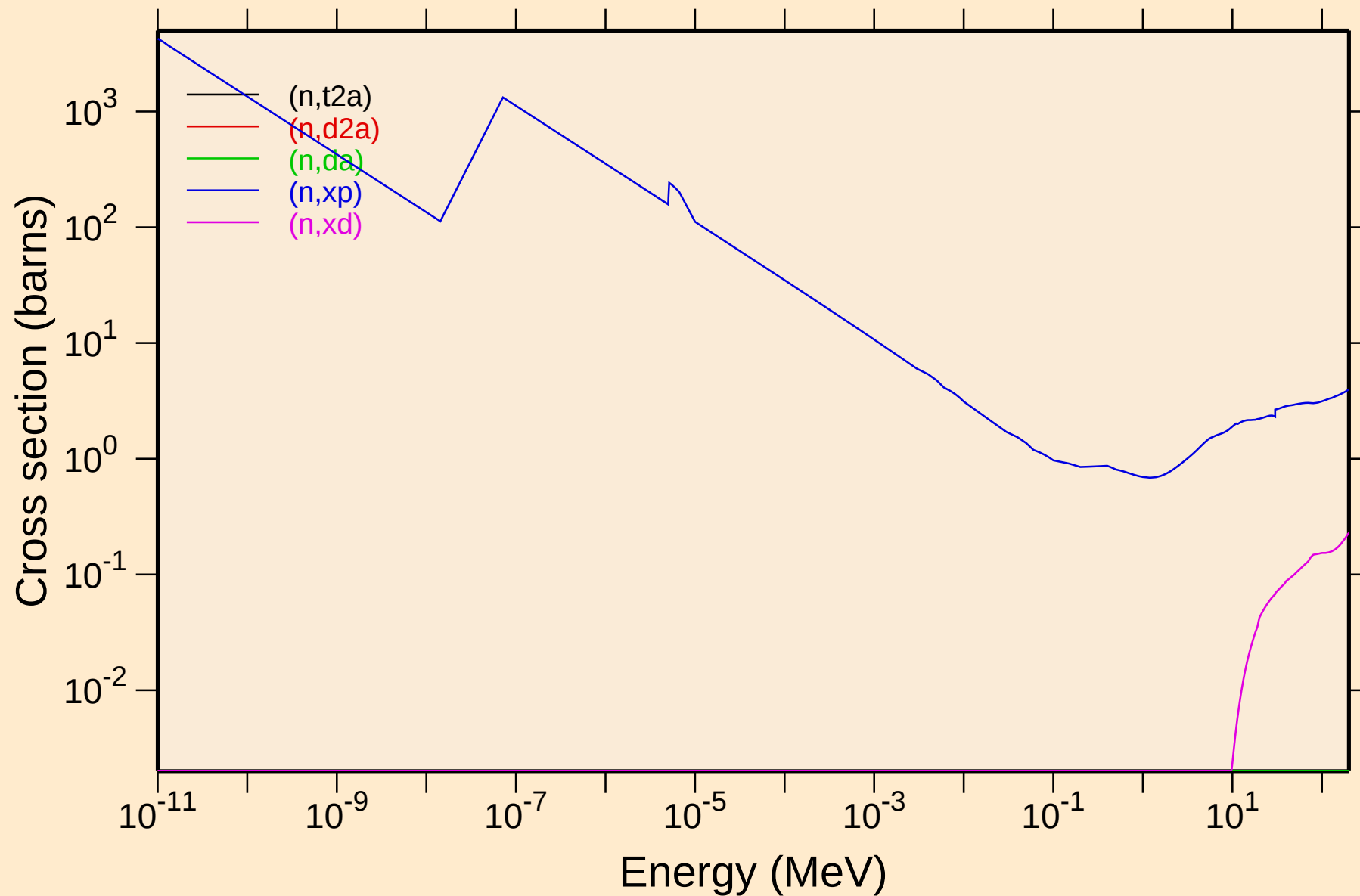


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

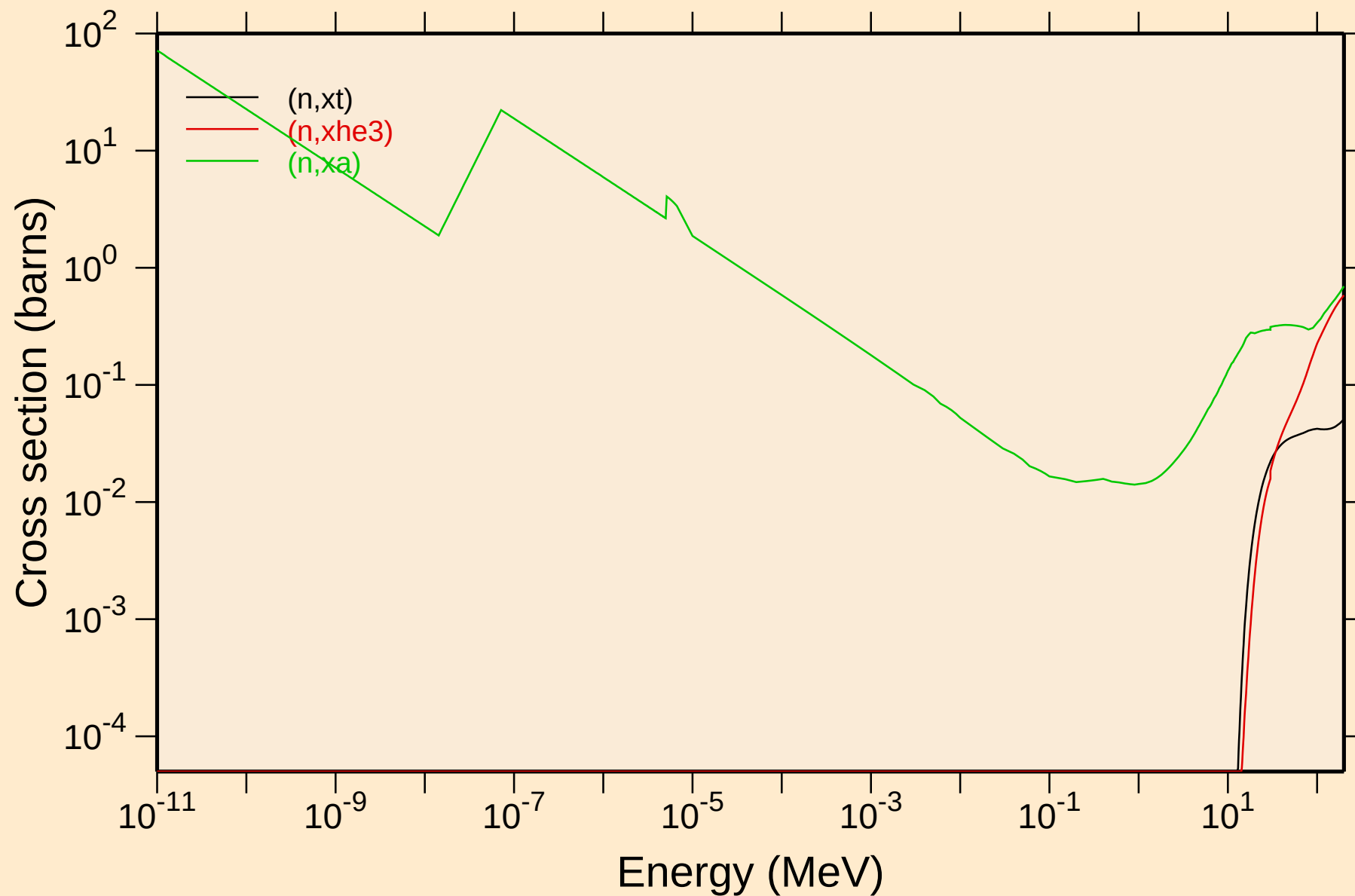


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



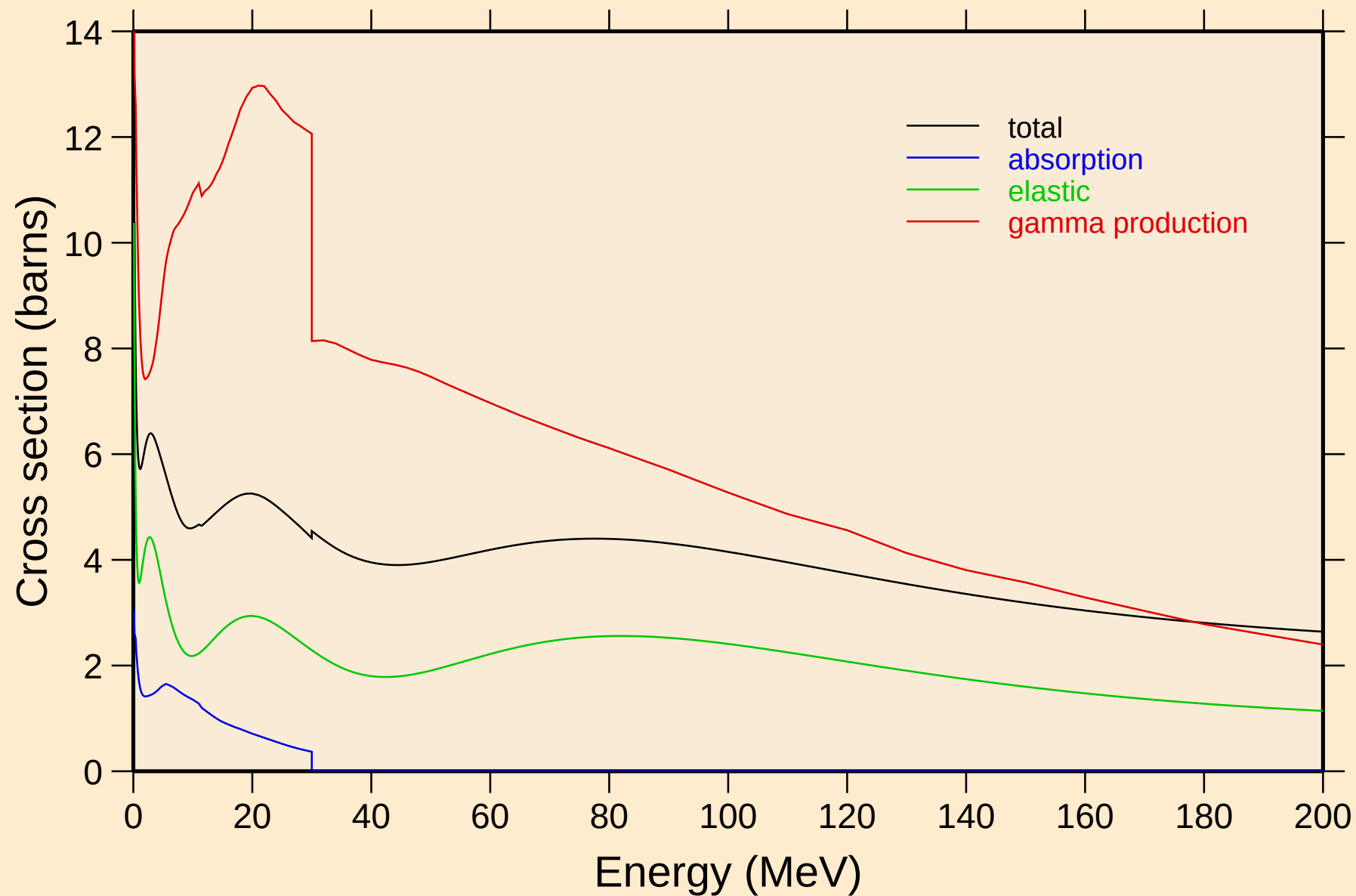
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



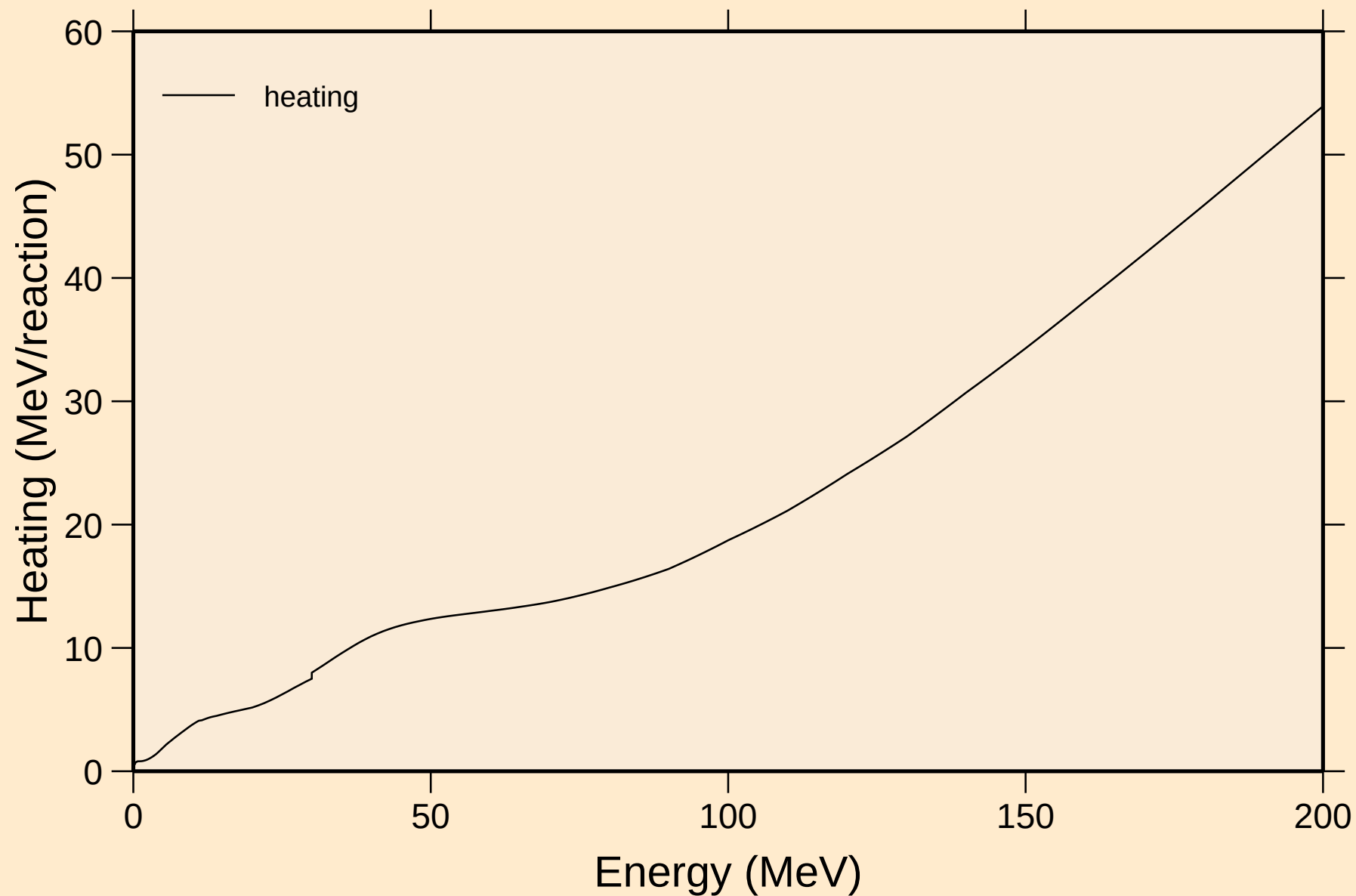
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



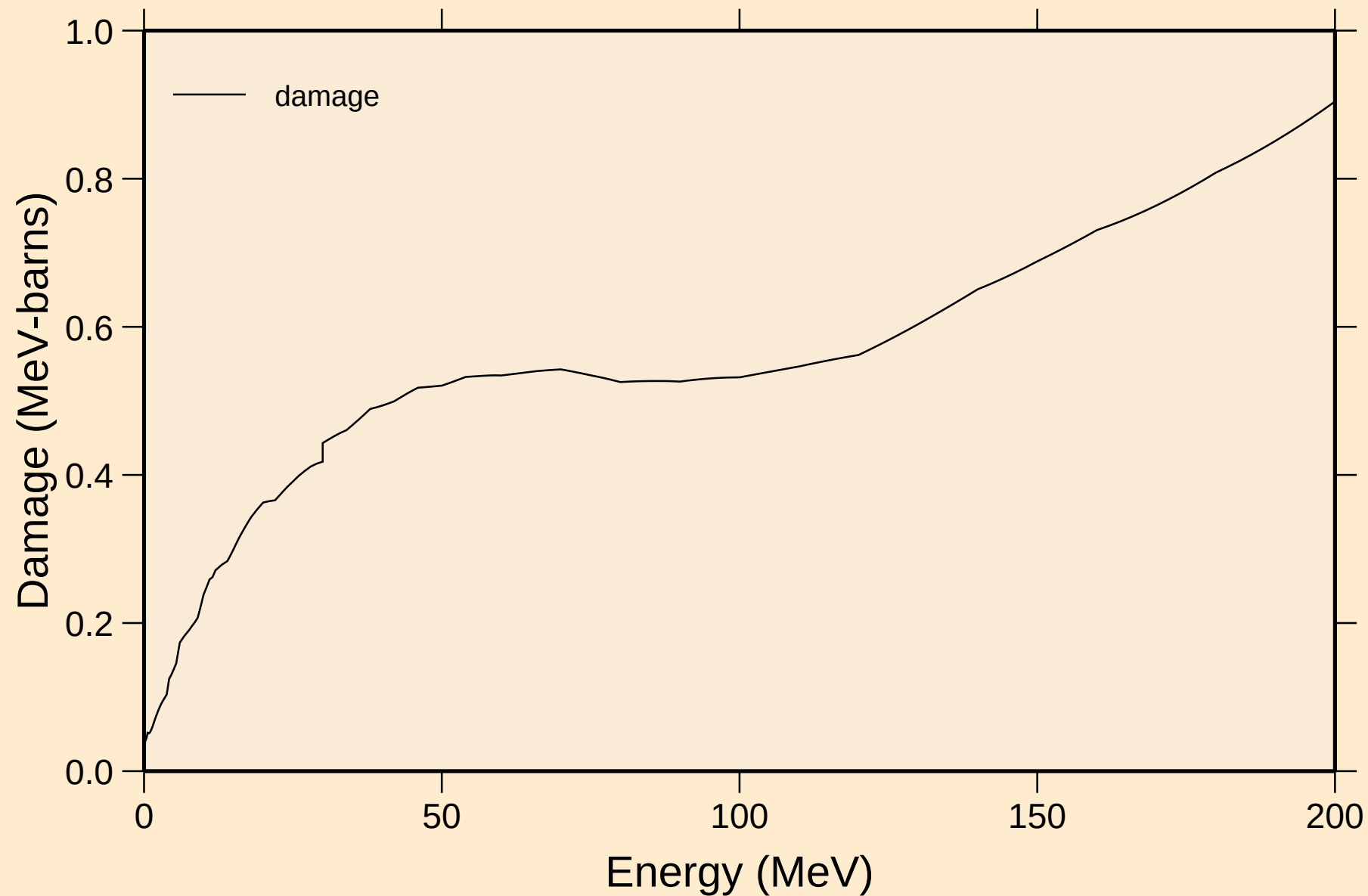
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Heating

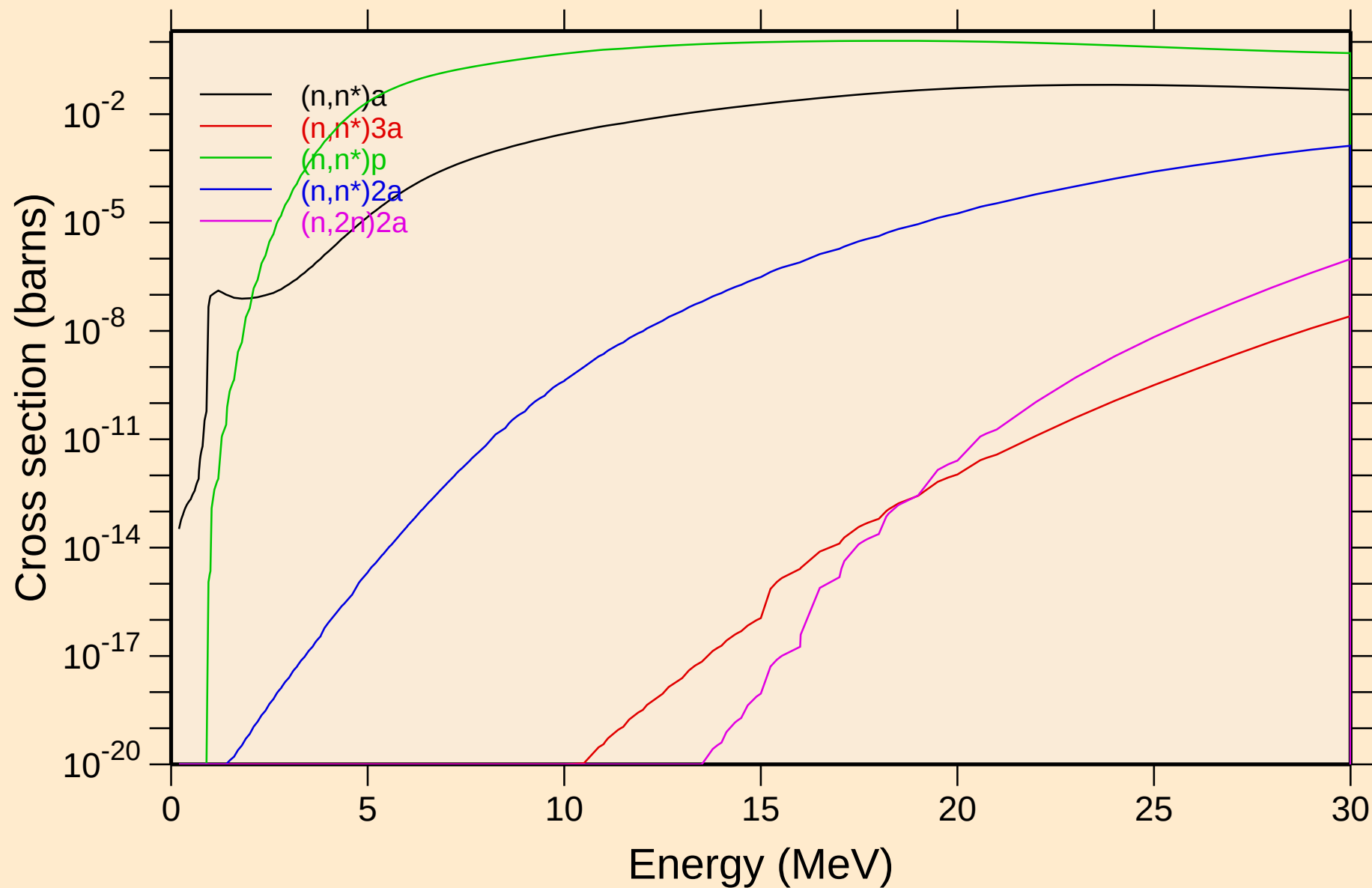


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

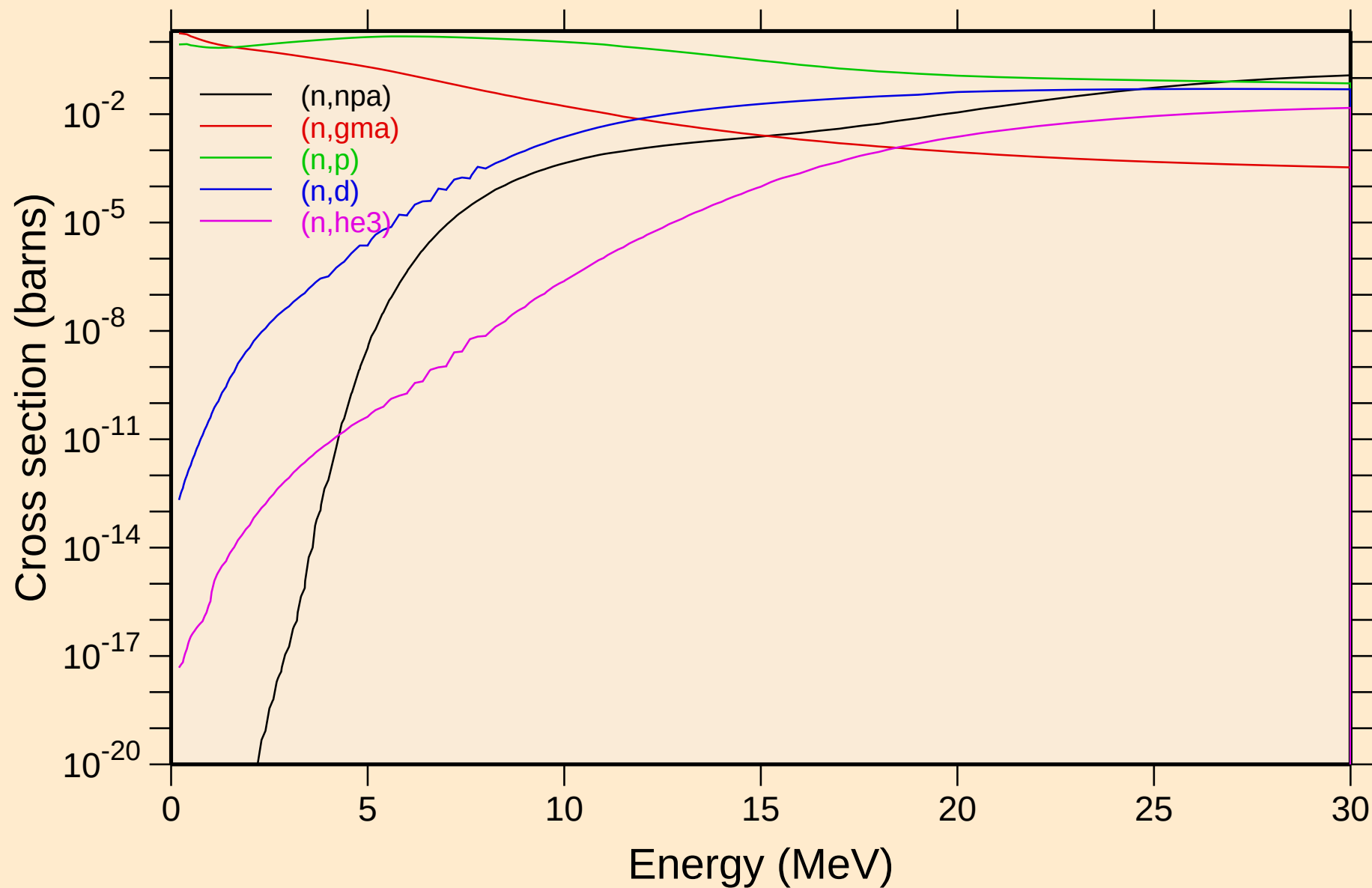
Damage



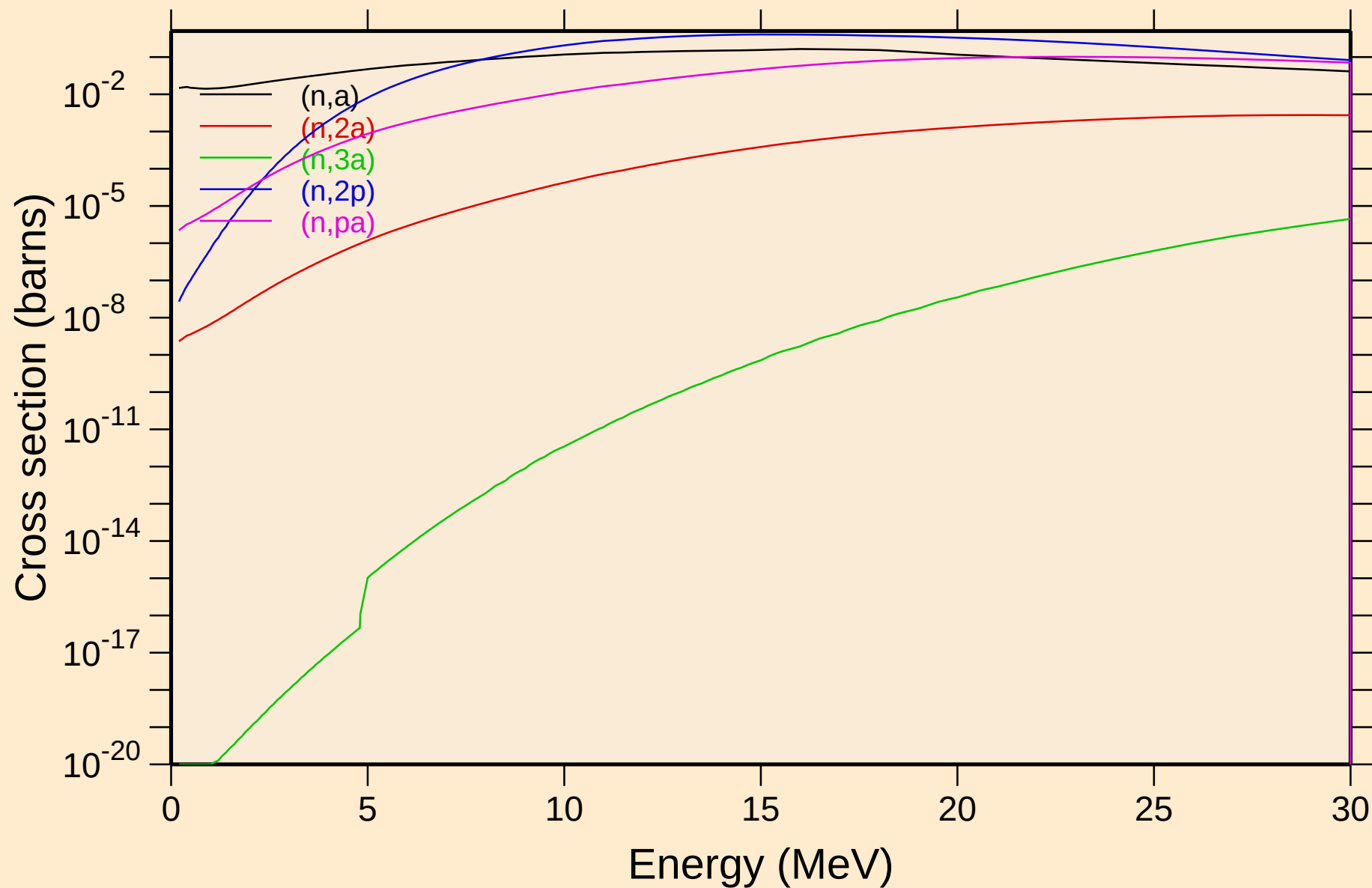
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

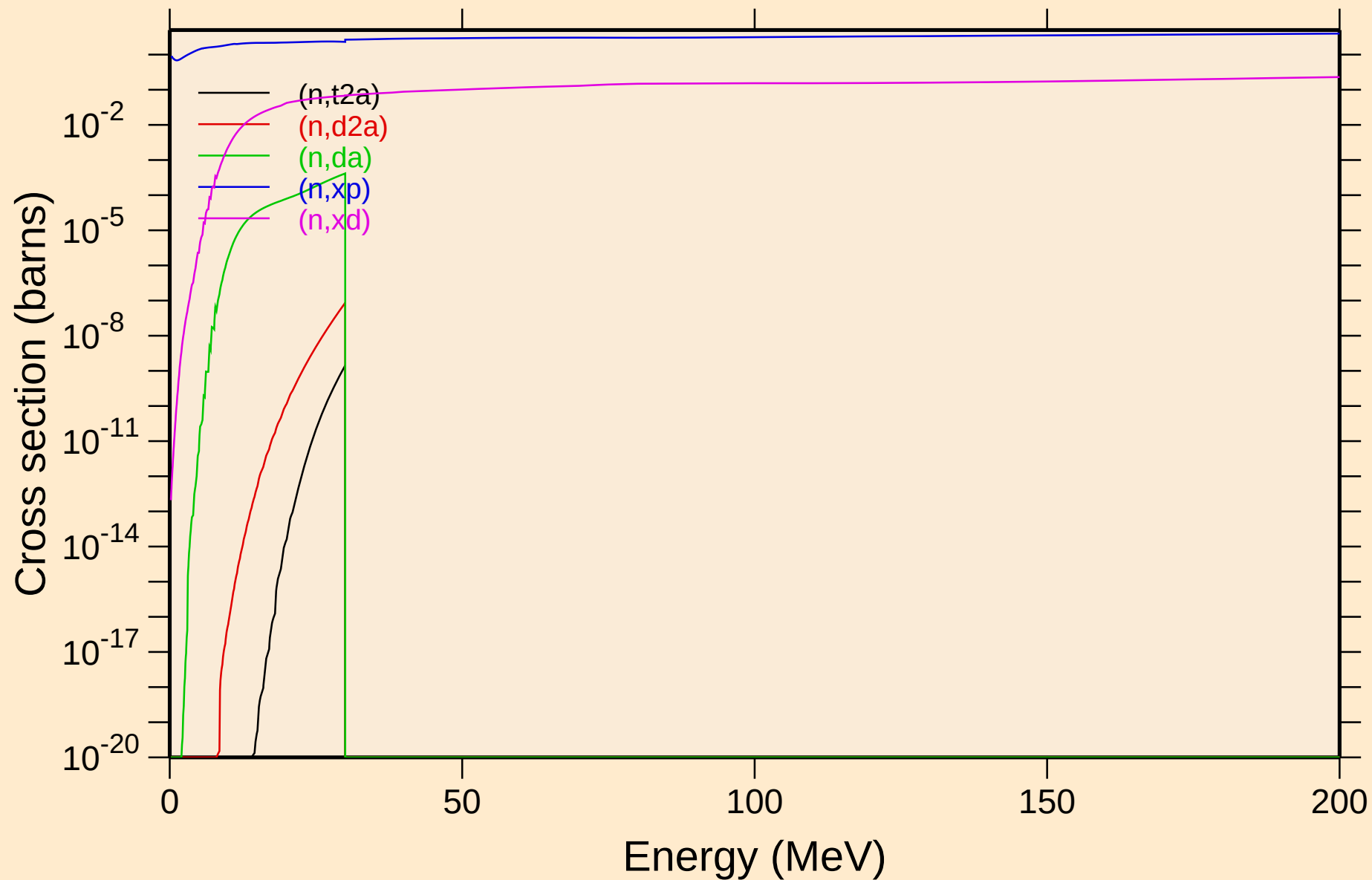


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

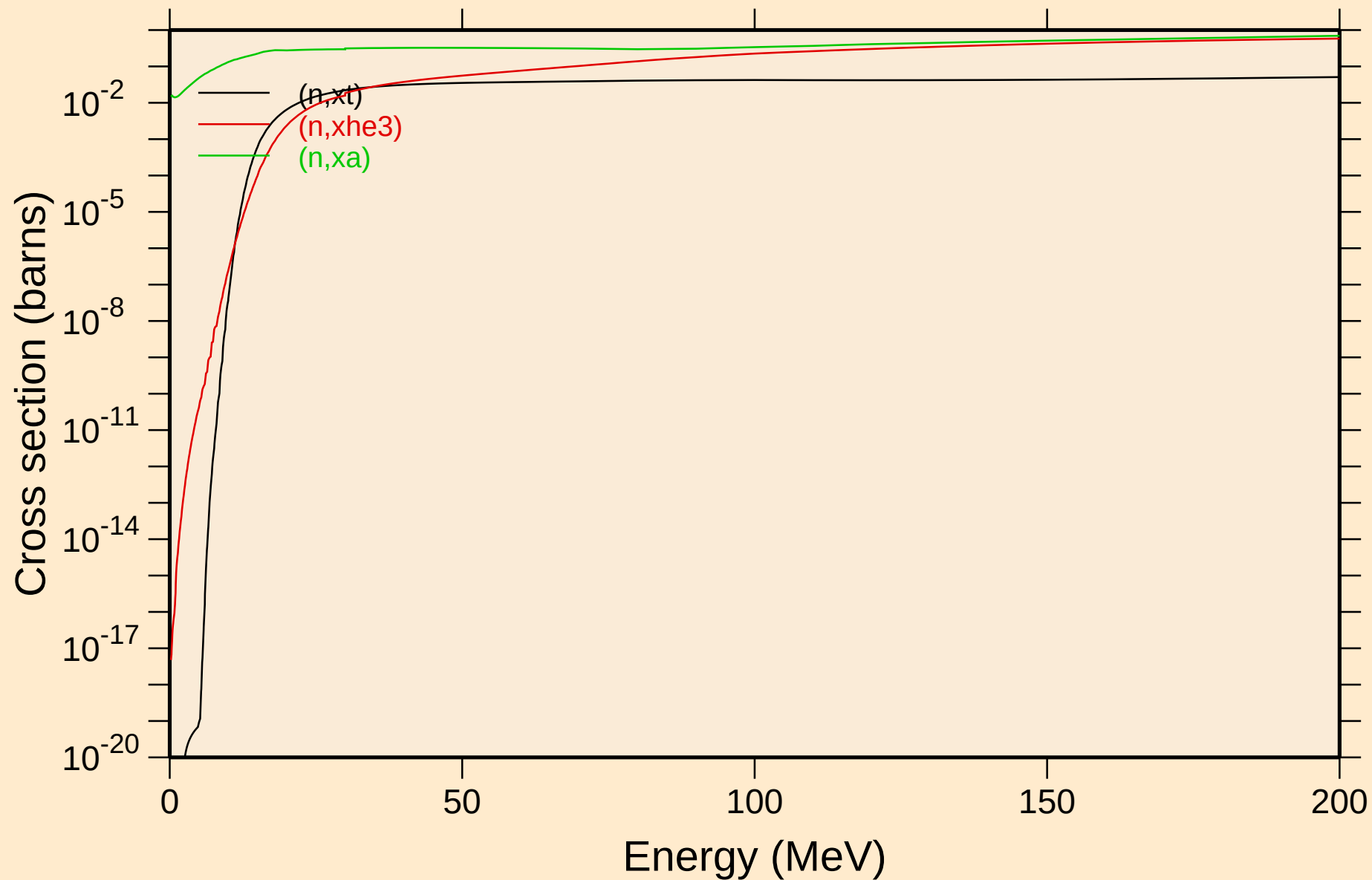


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

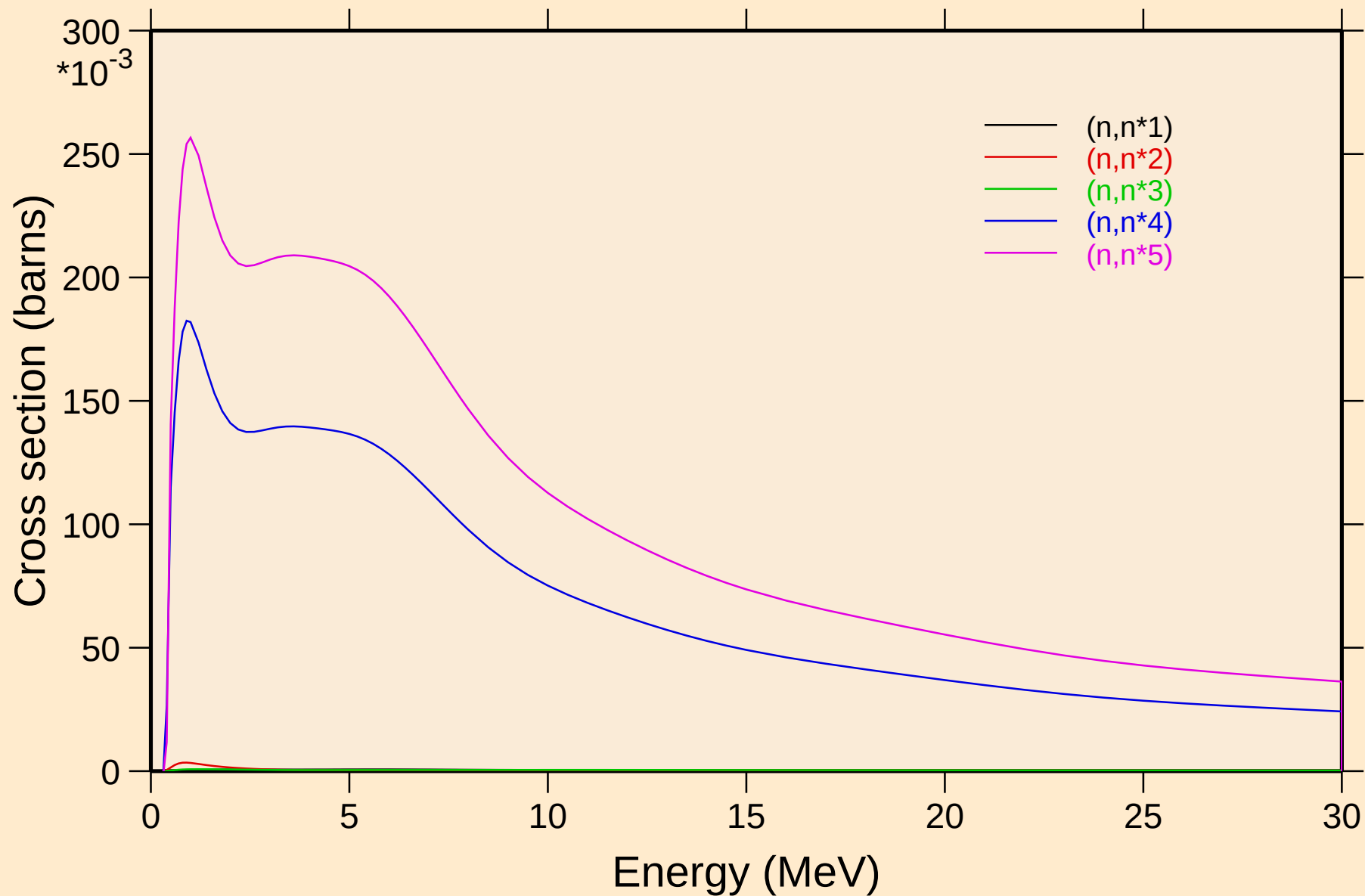


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



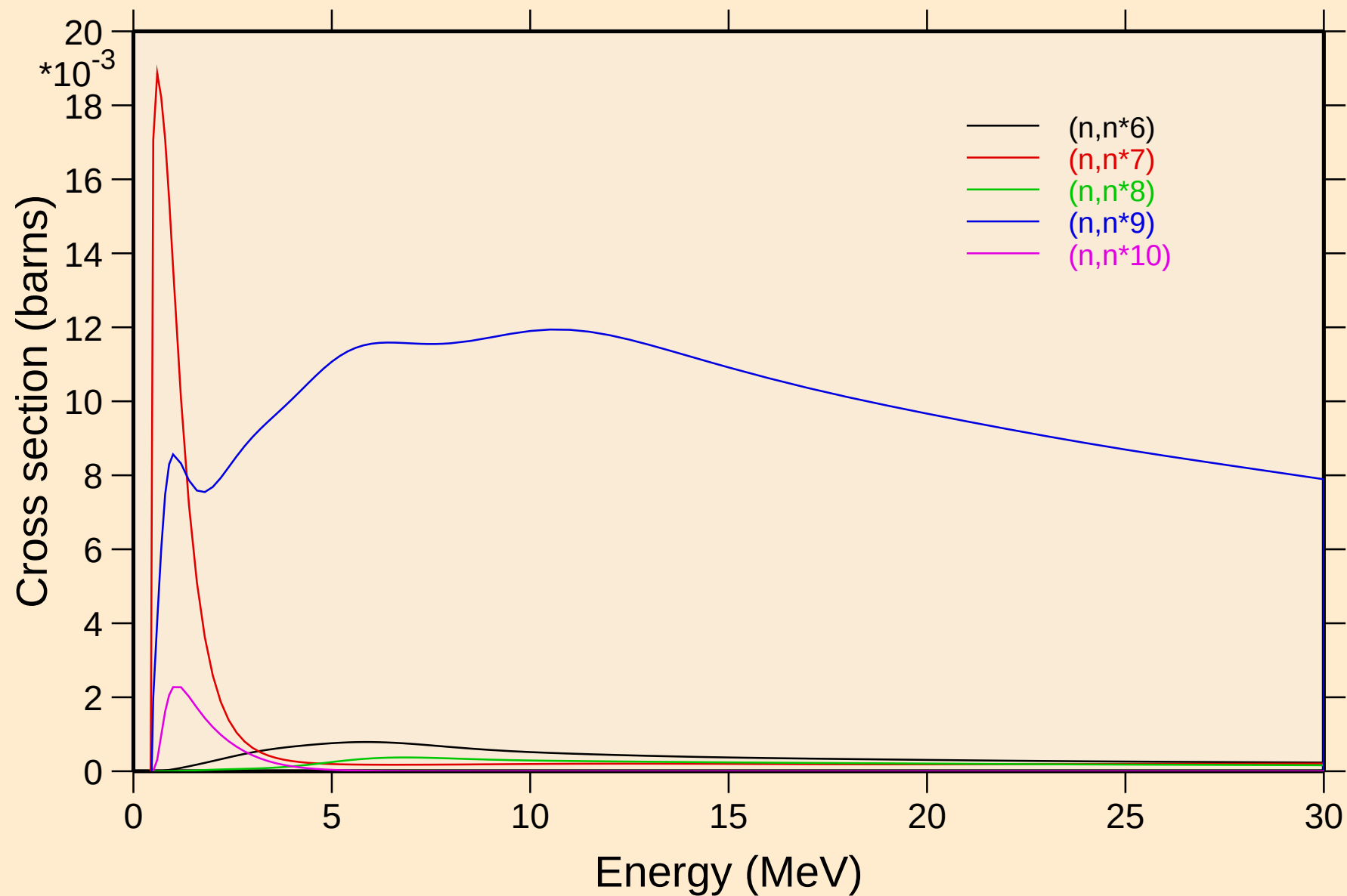
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Inelastic levels



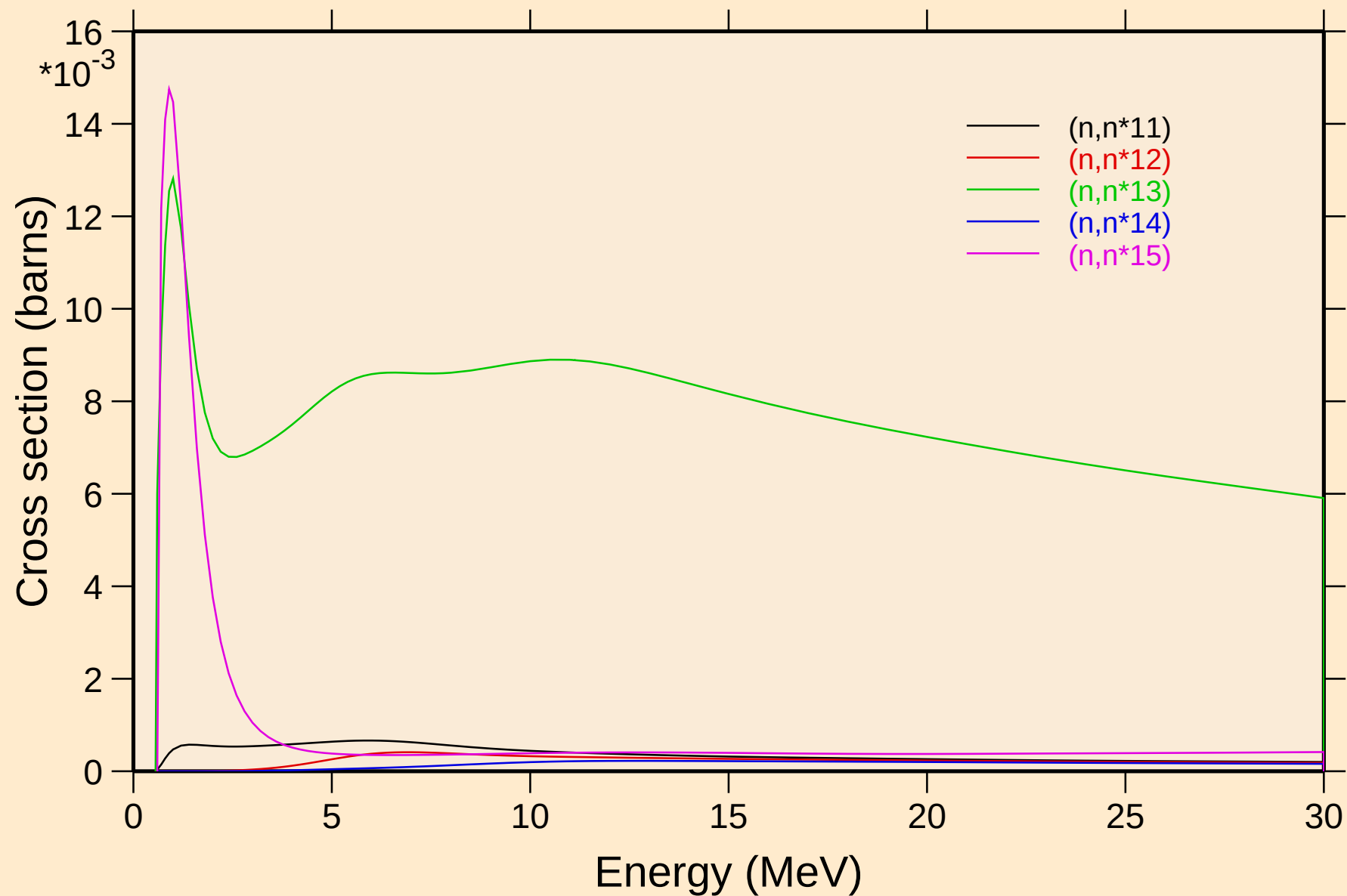
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Inelastic levels



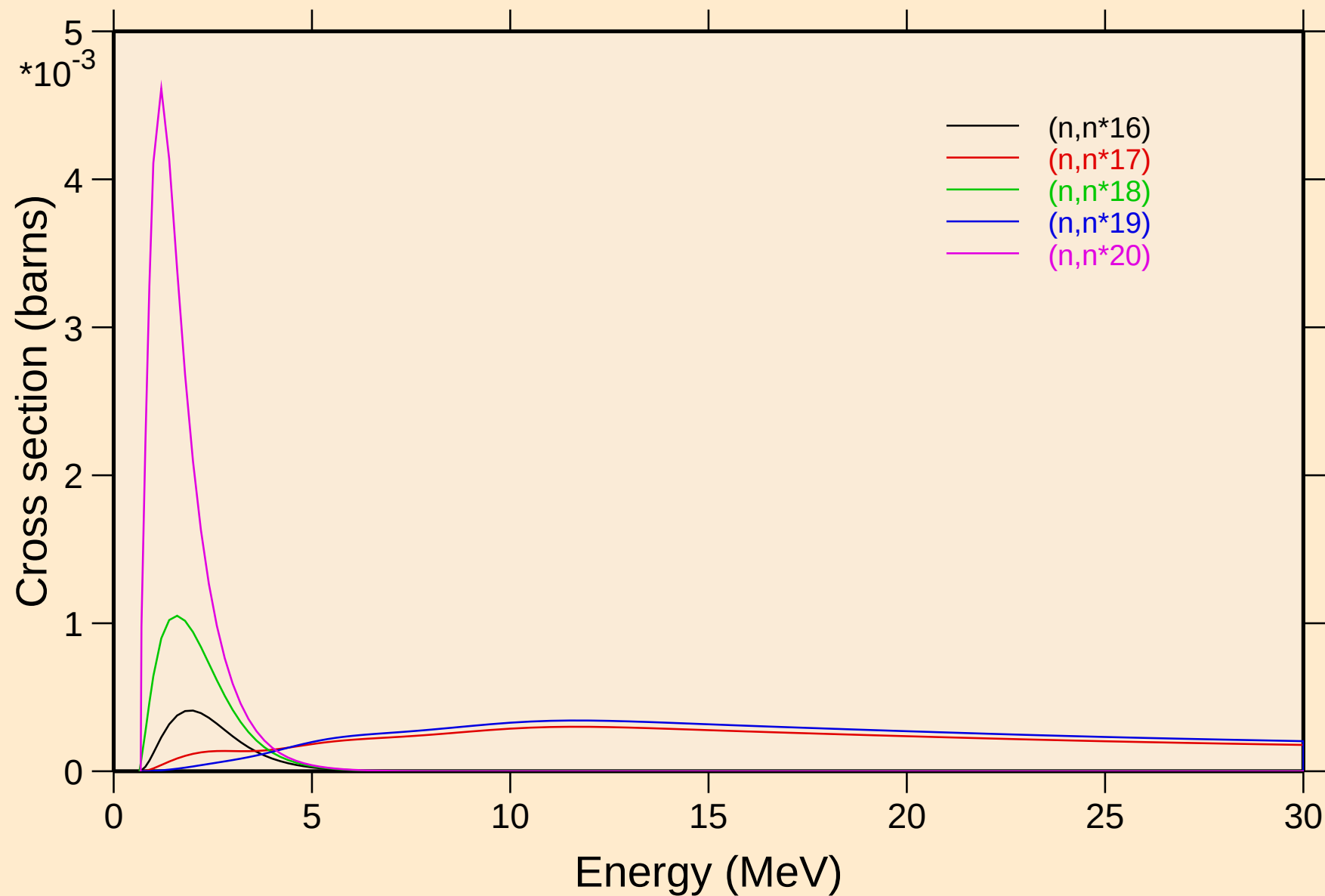
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Inelastic levels



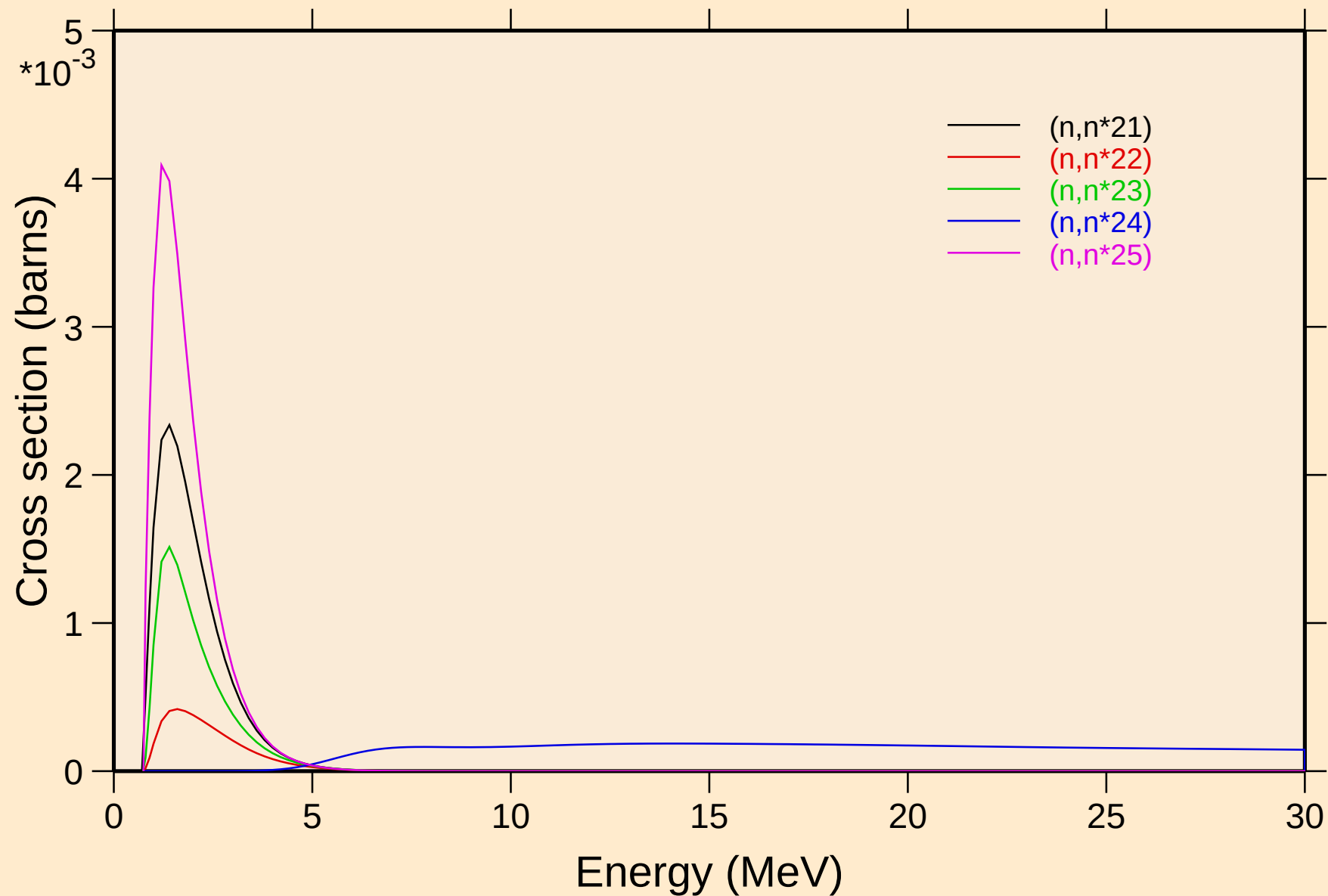
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Inelastic levels



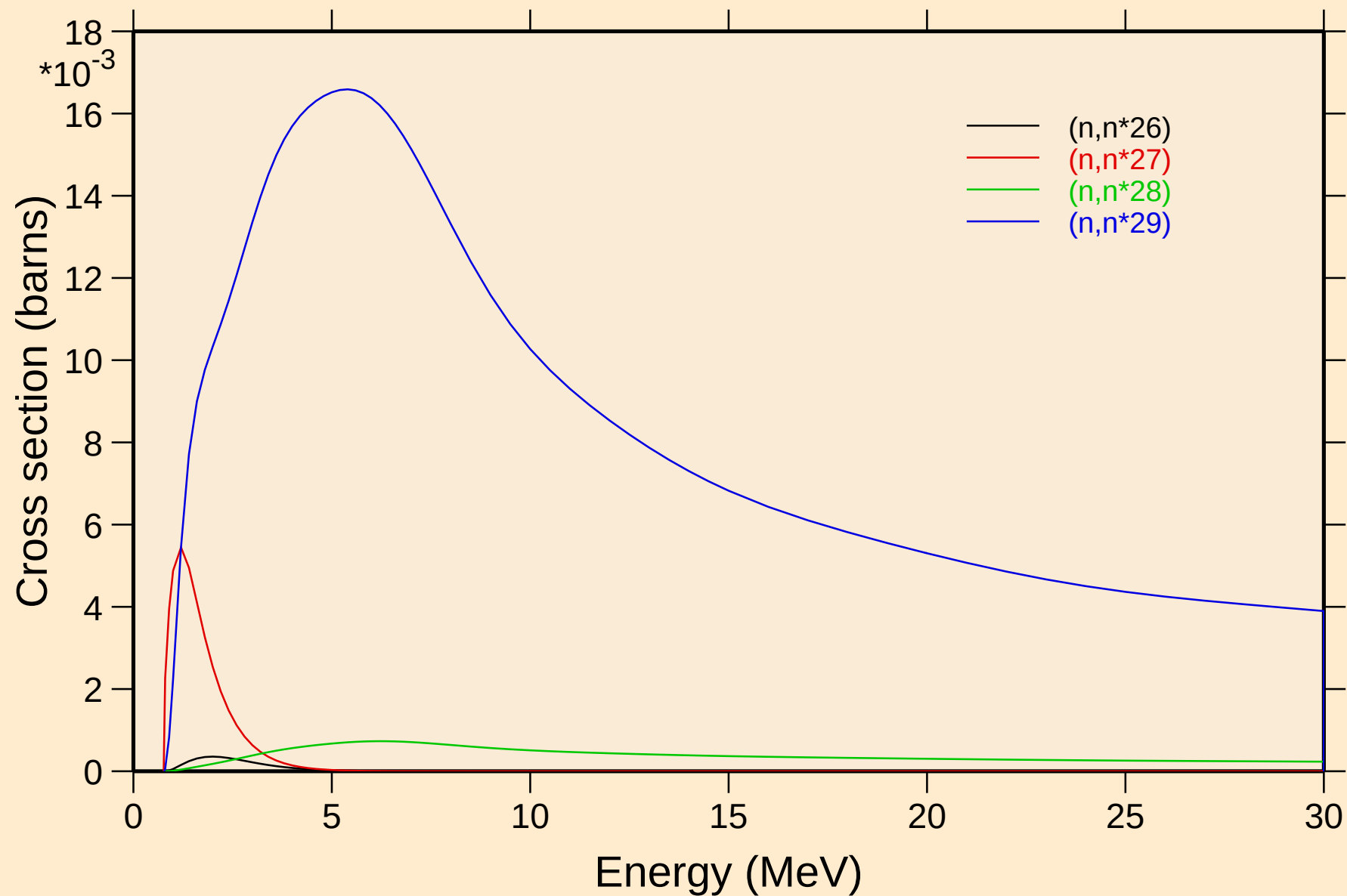
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Inelastic levels



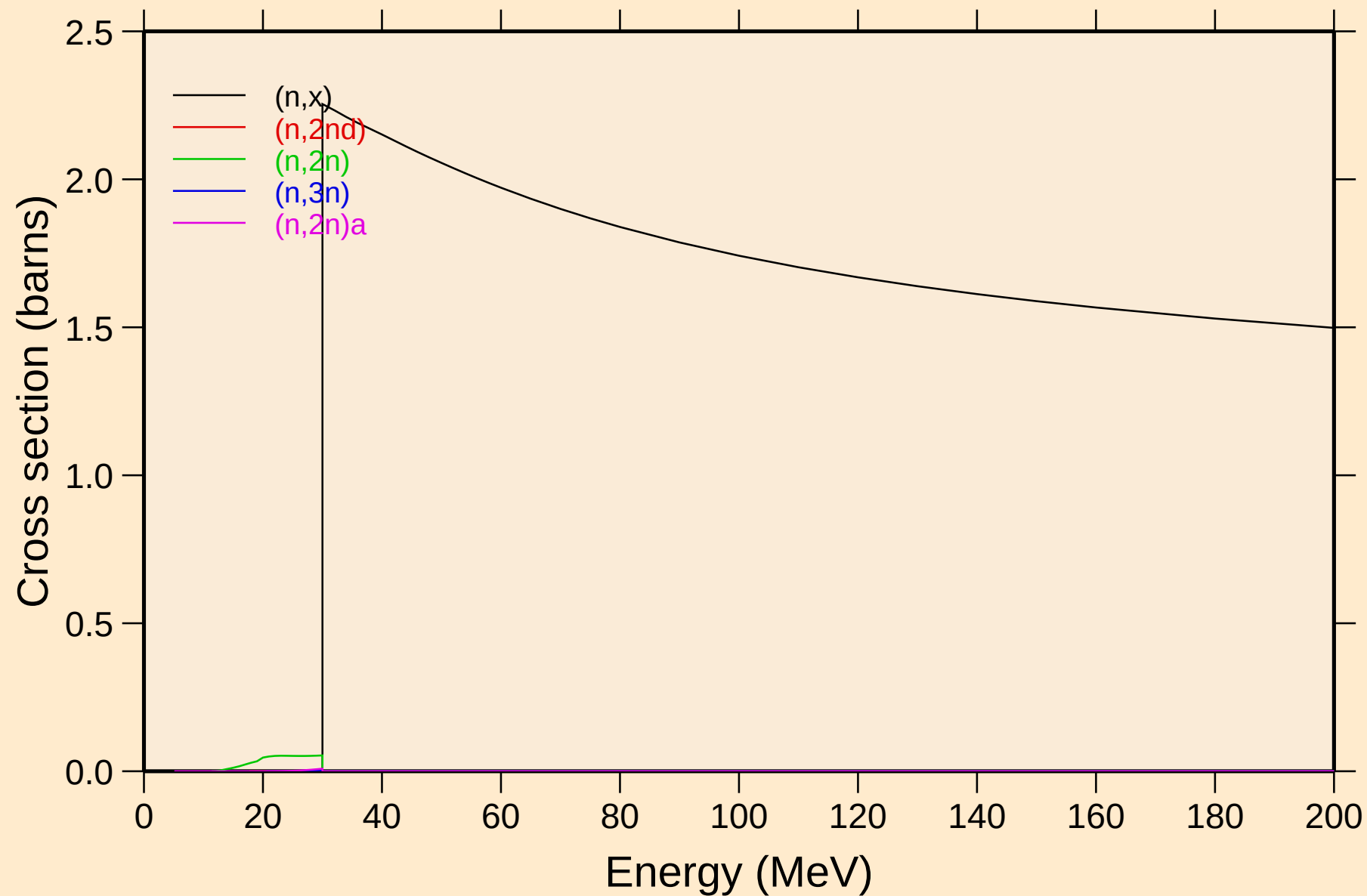
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Inelastic levels



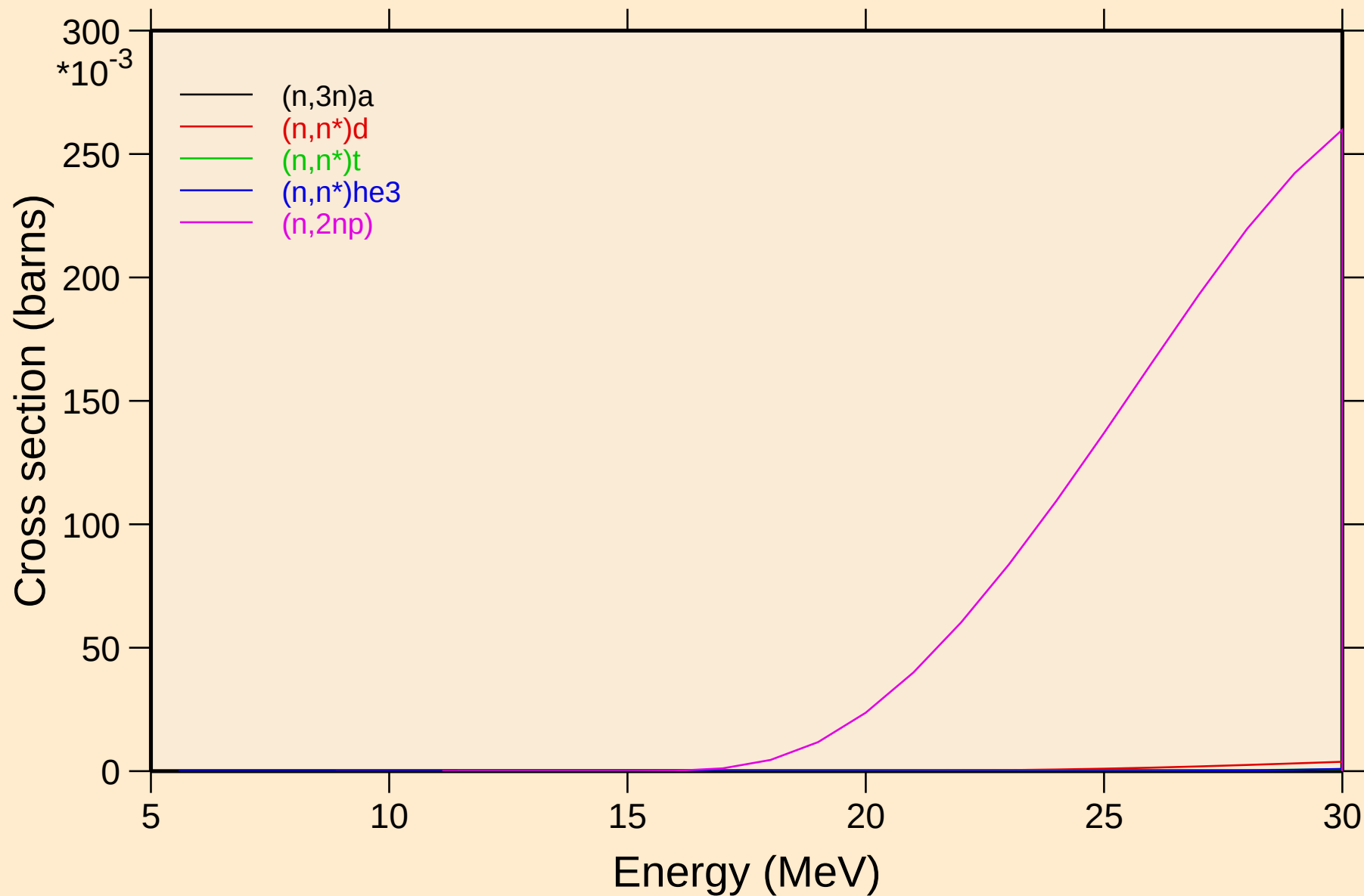
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

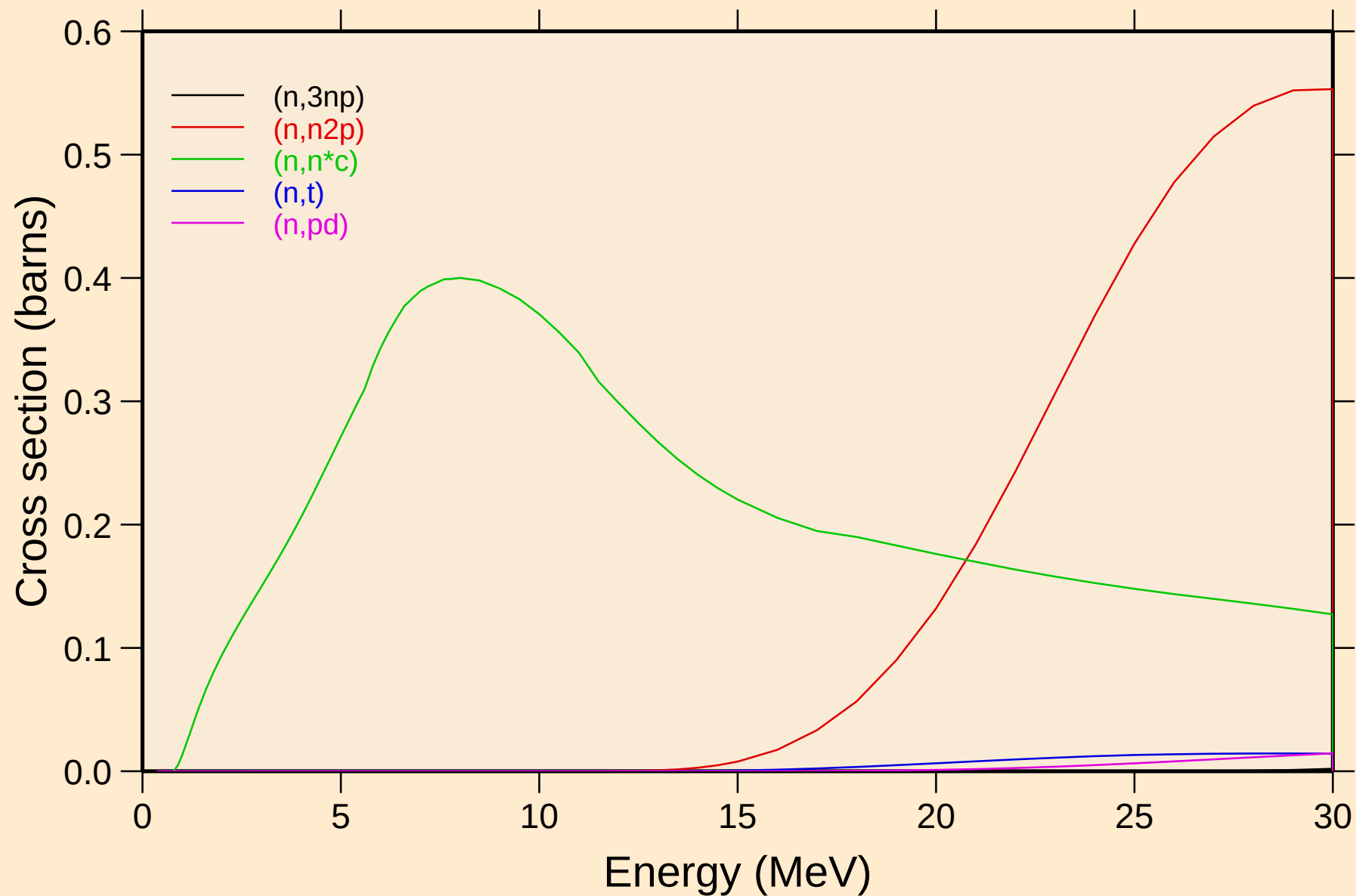


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

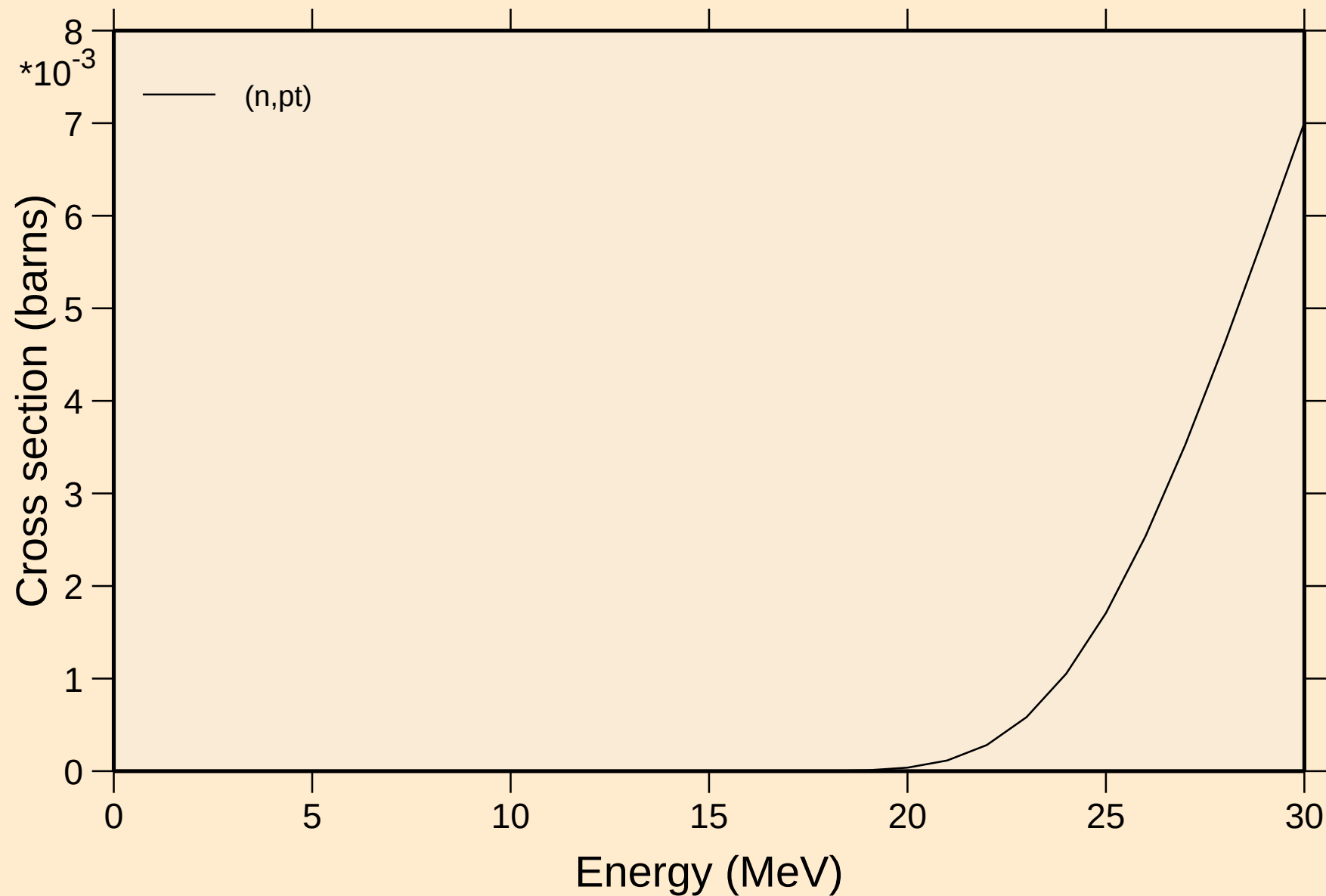


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

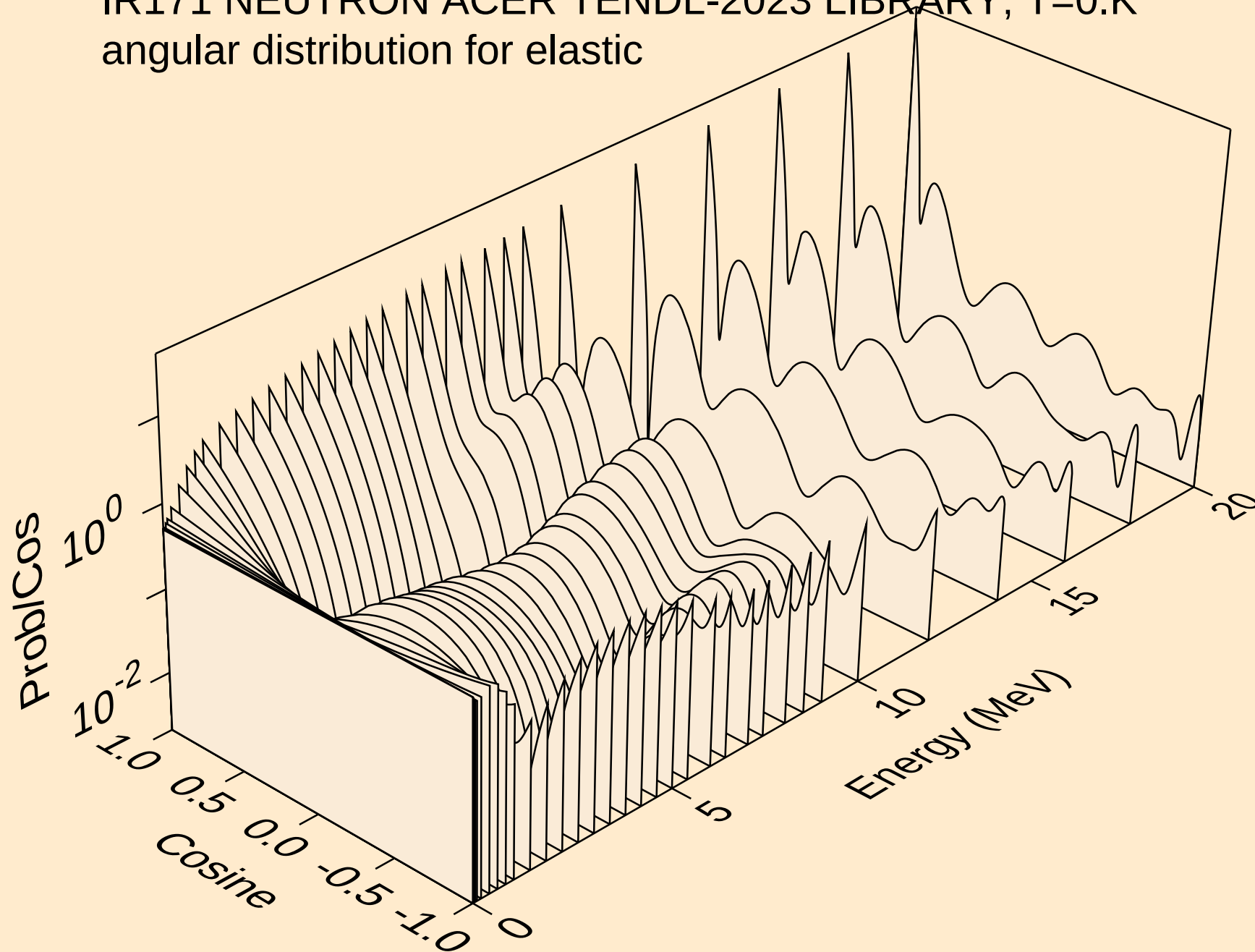


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

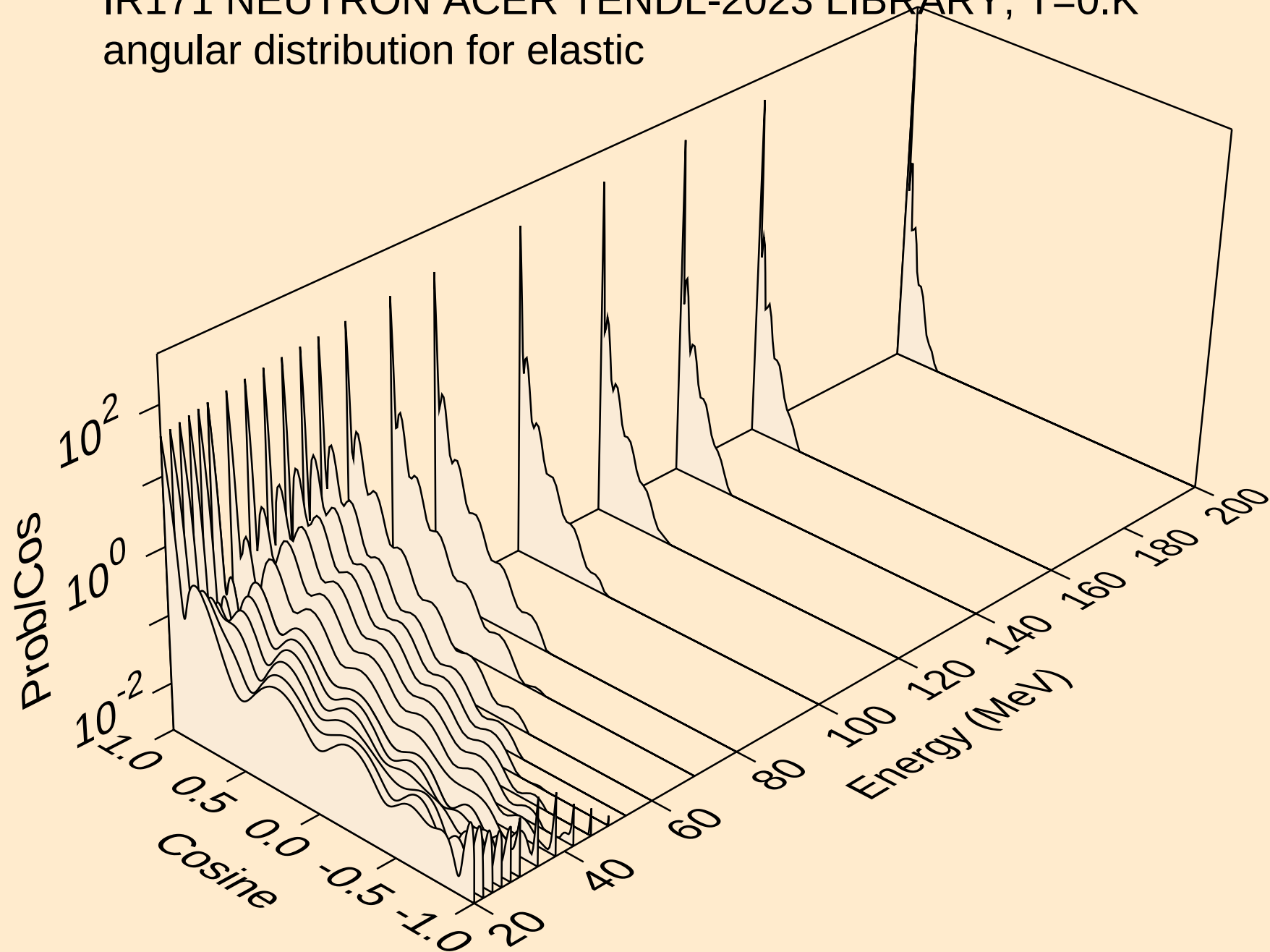
Threshold reactions



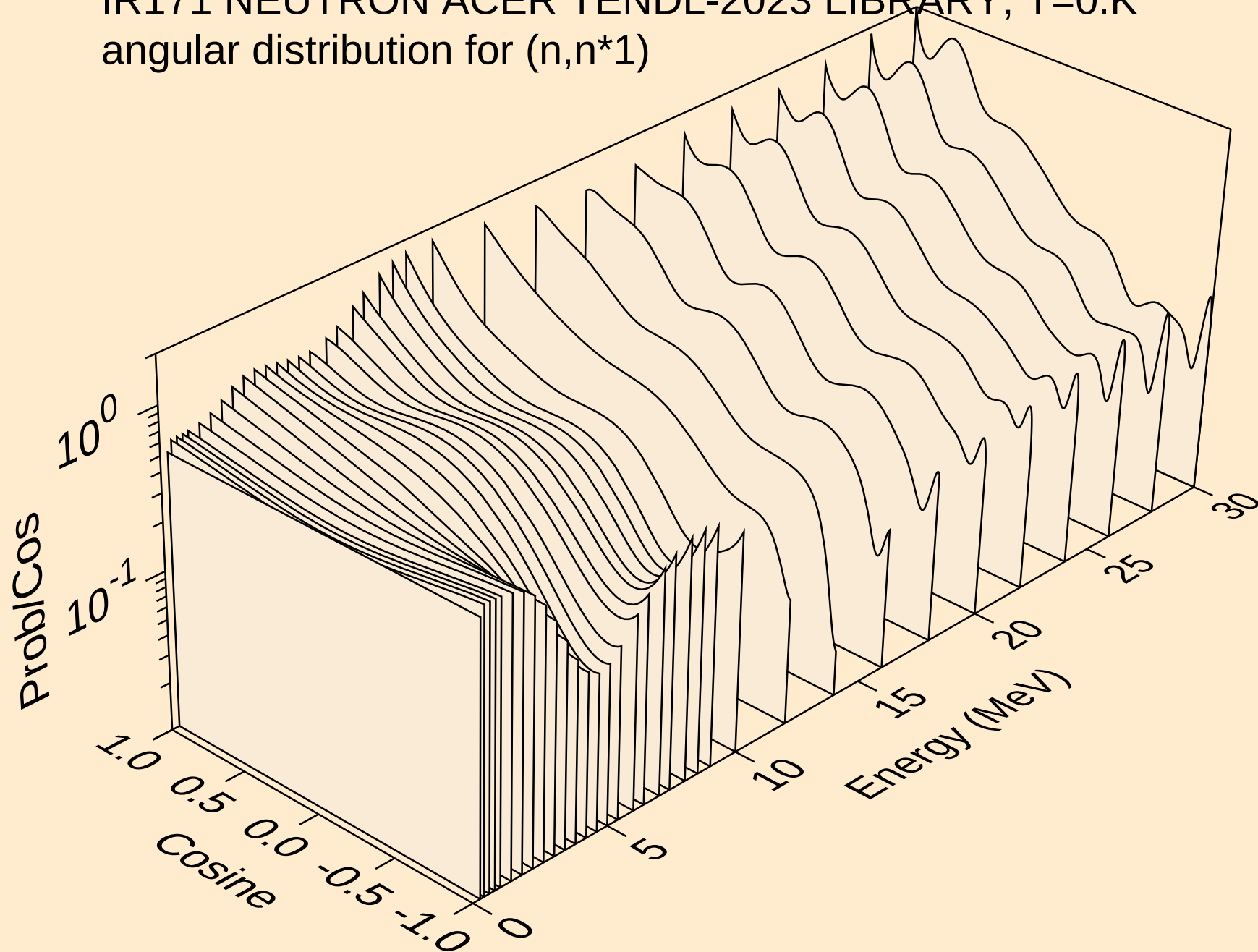
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



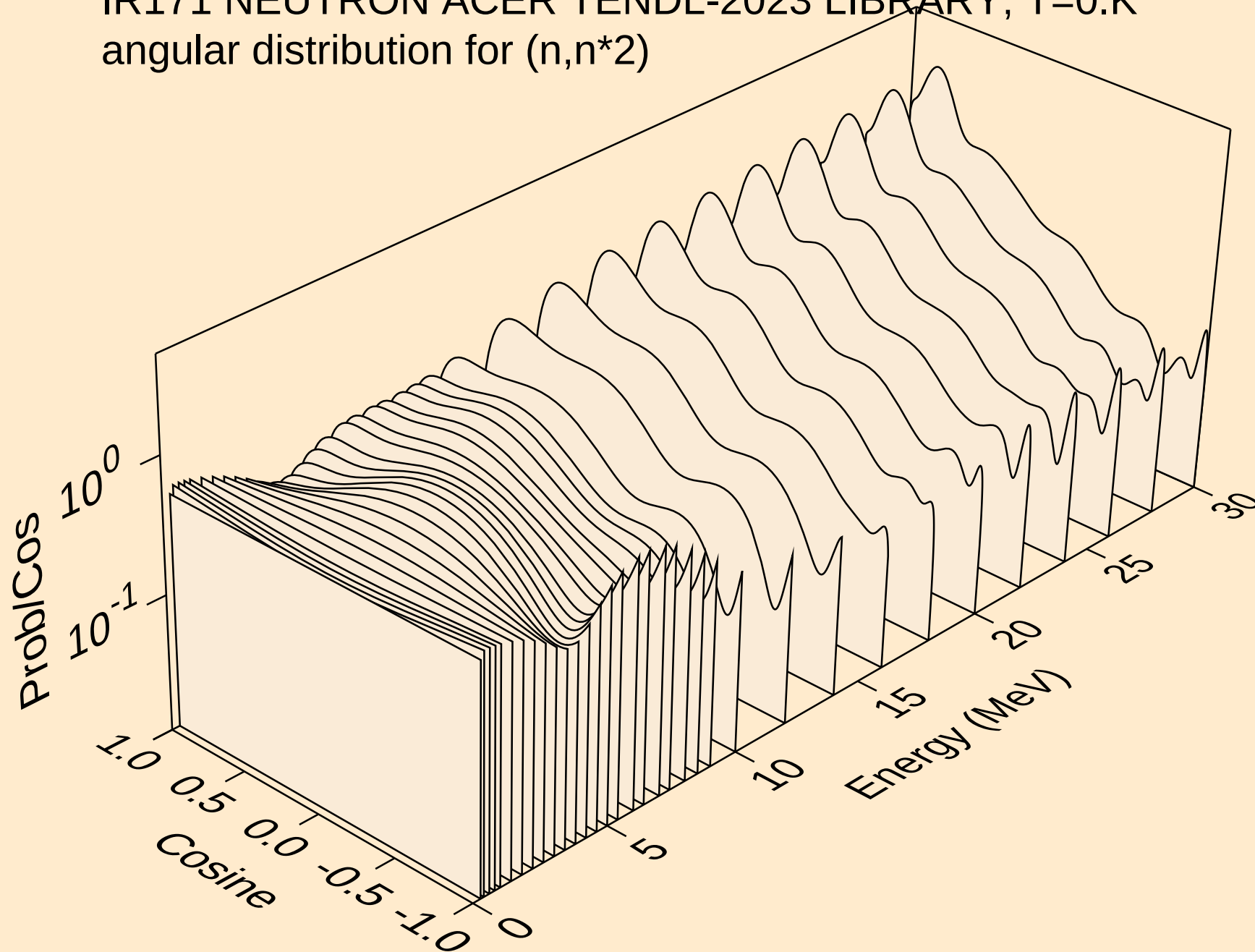
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angular distribution for elastic



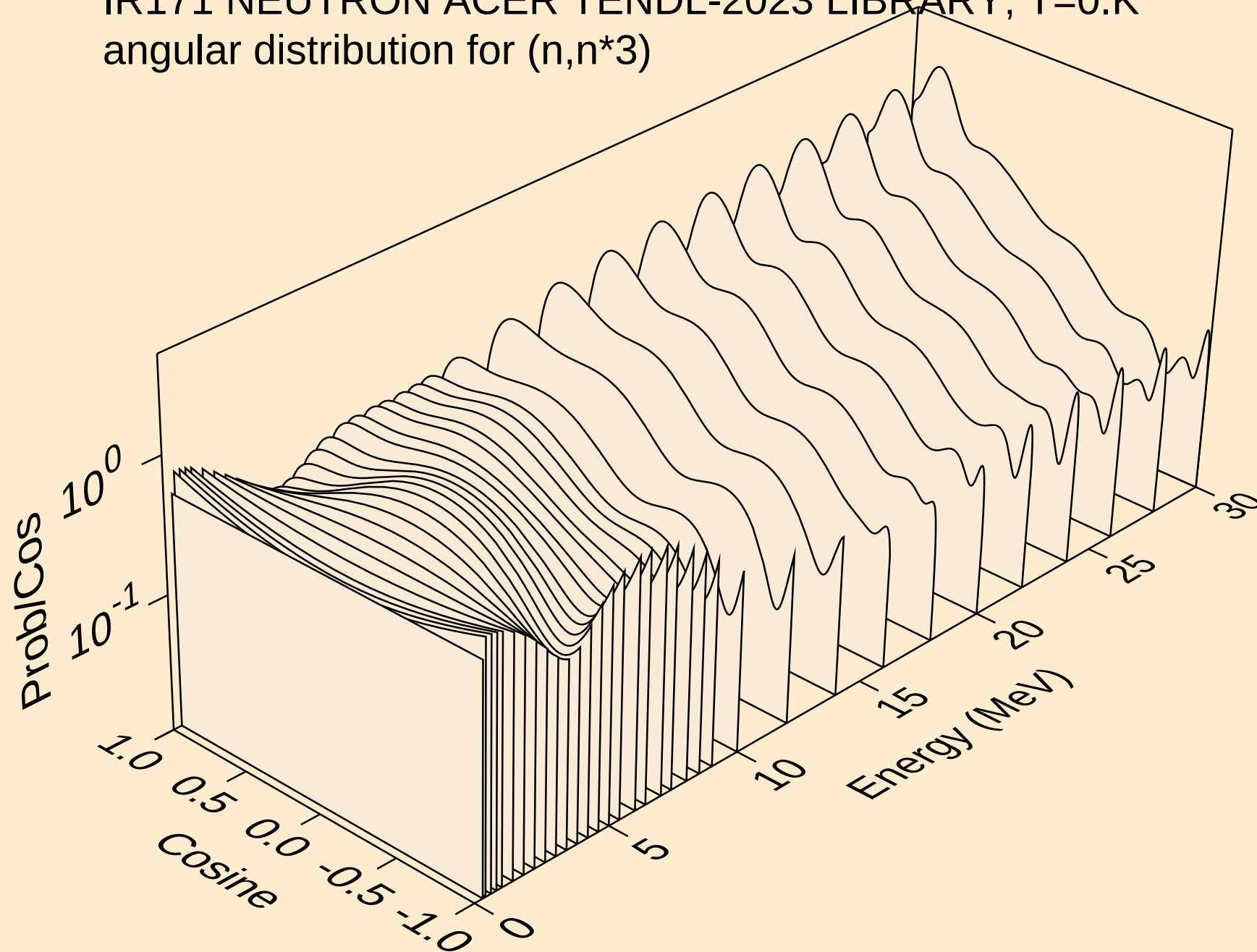
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



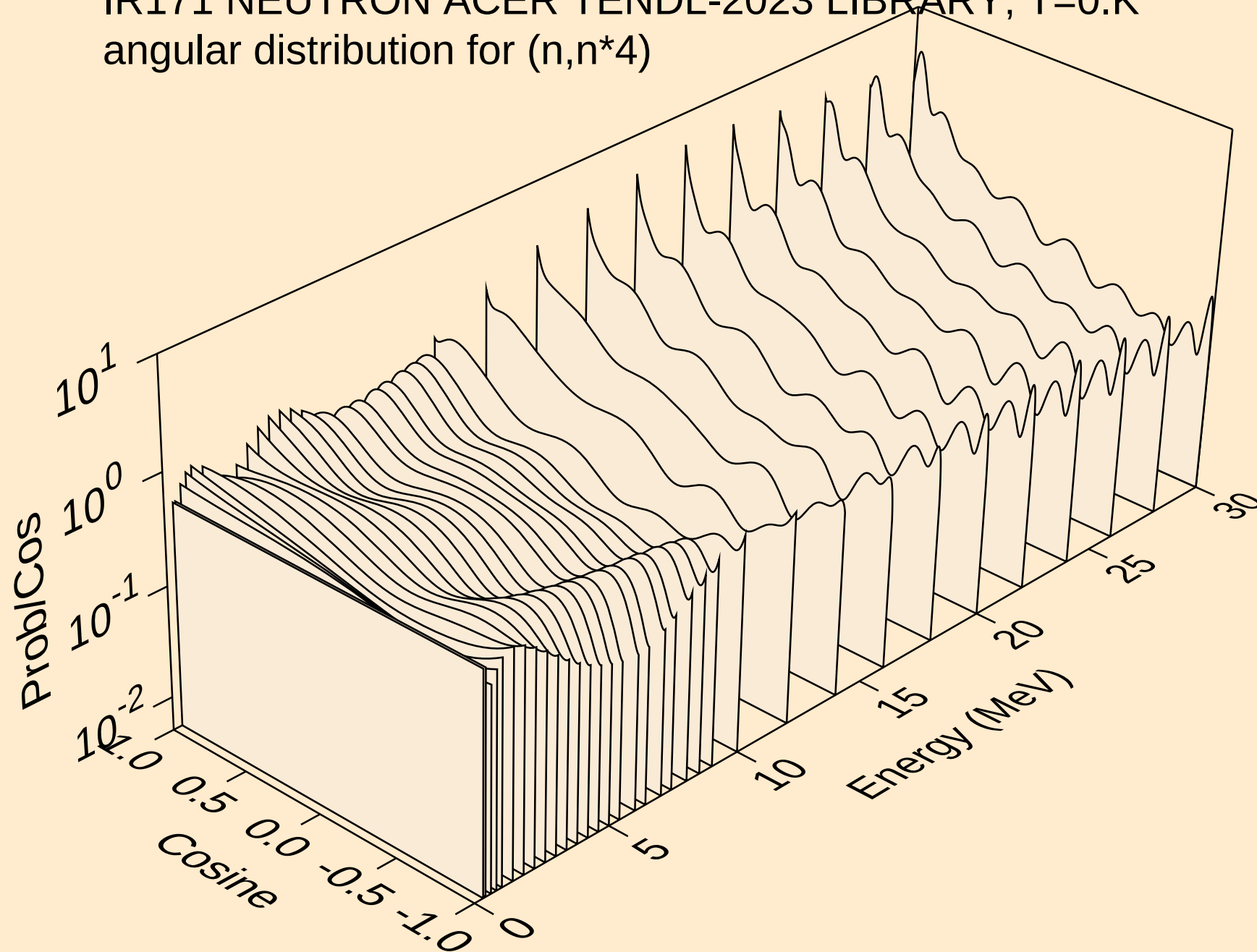
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angular distribution for (n,n*2)



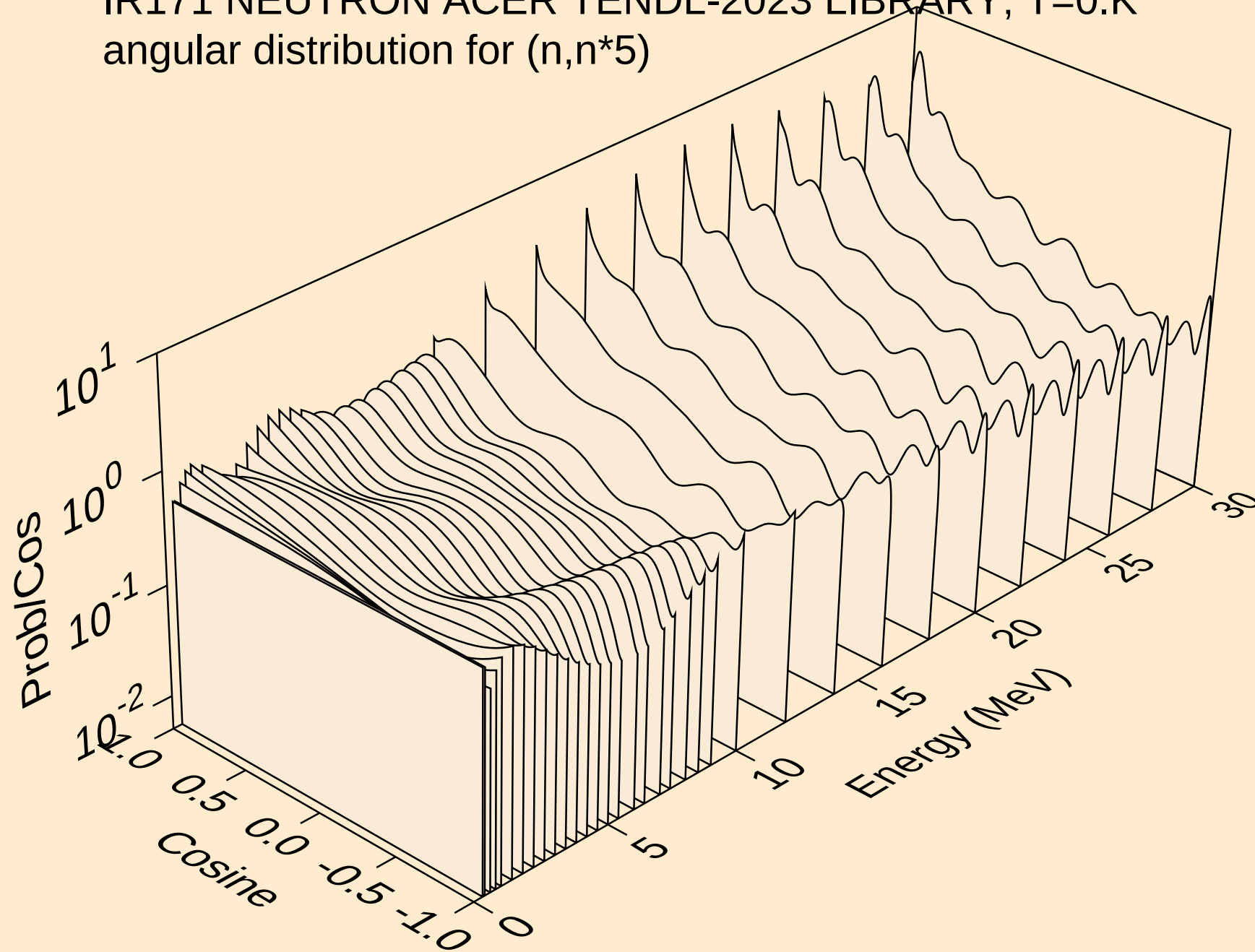
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



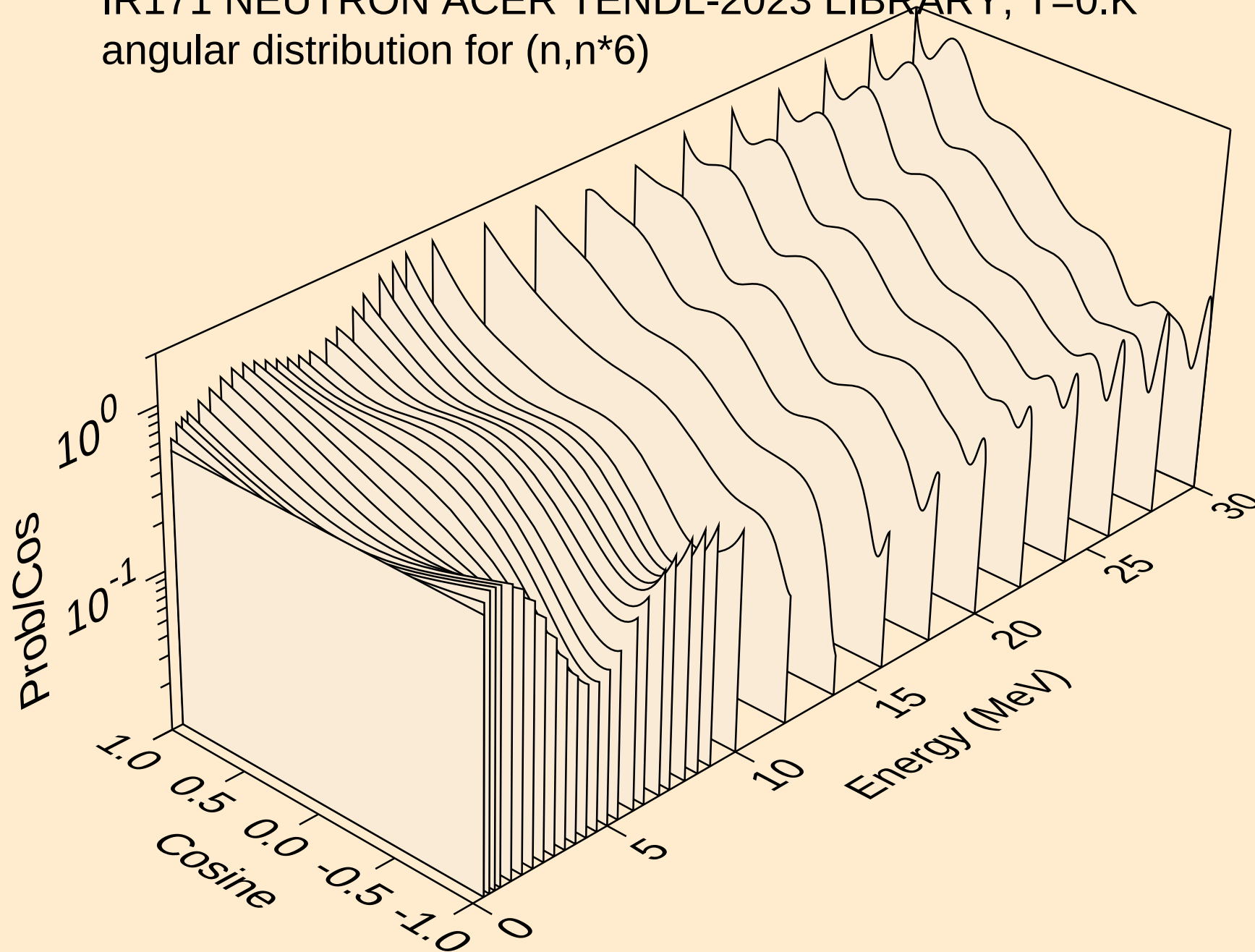
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*4)



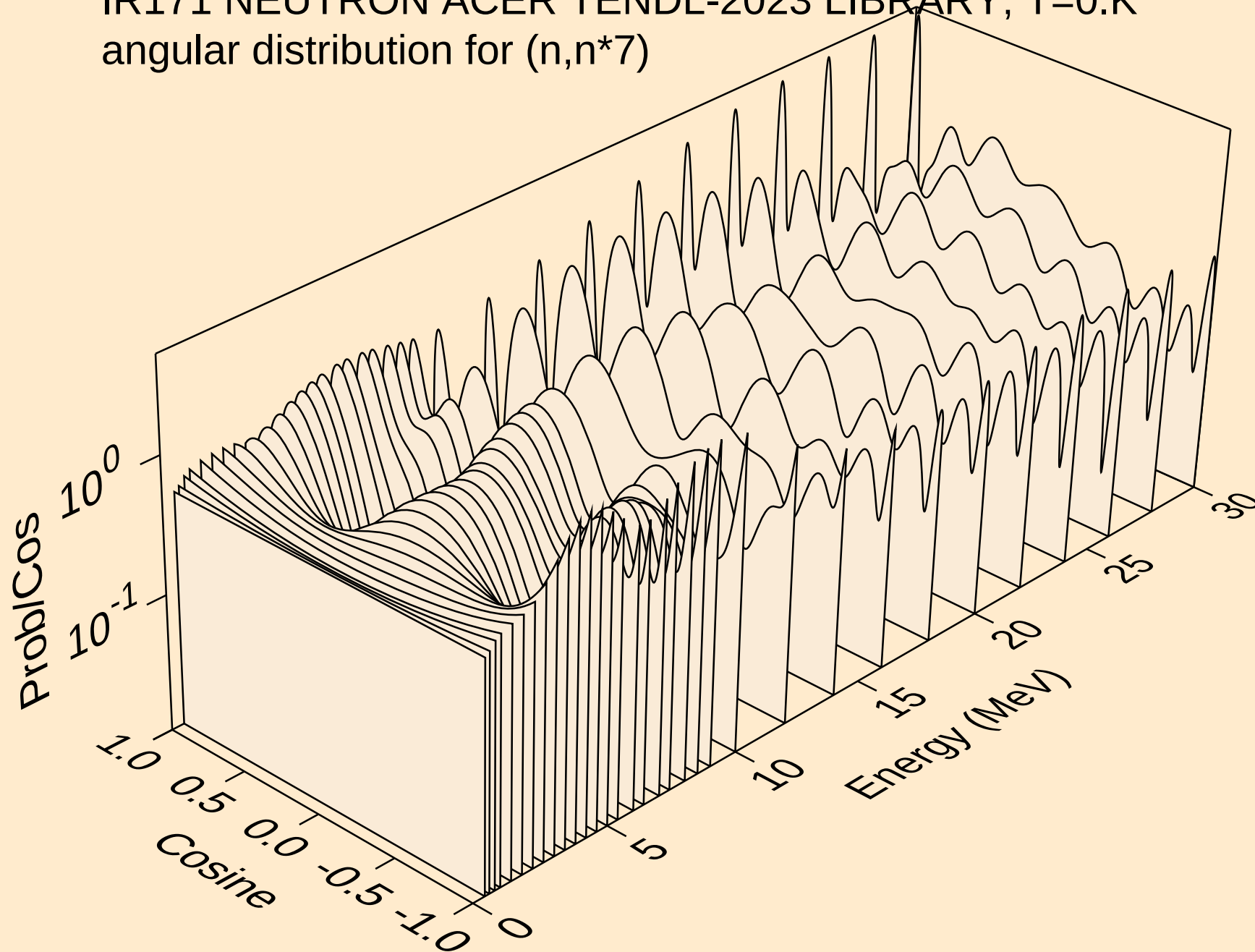
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



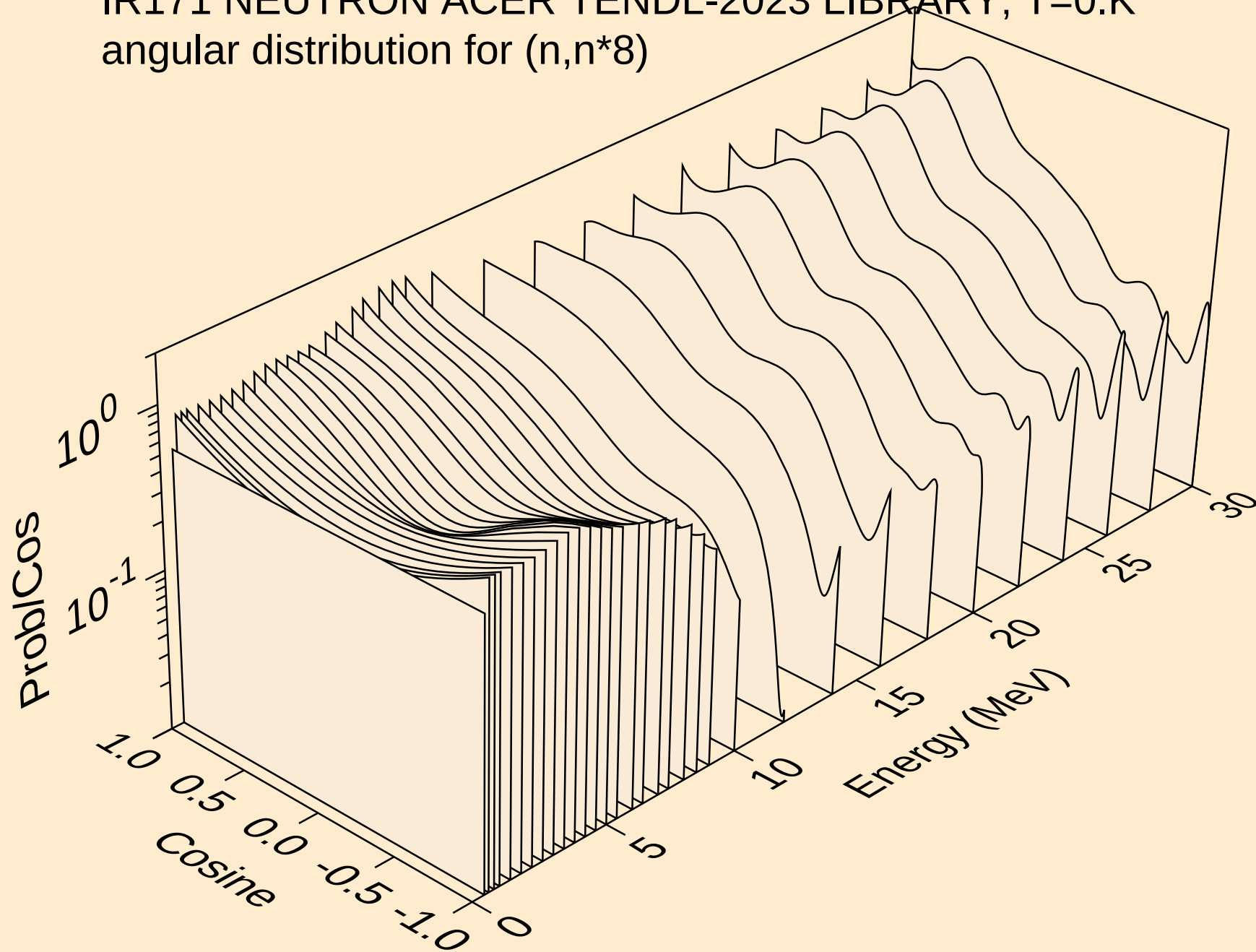
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



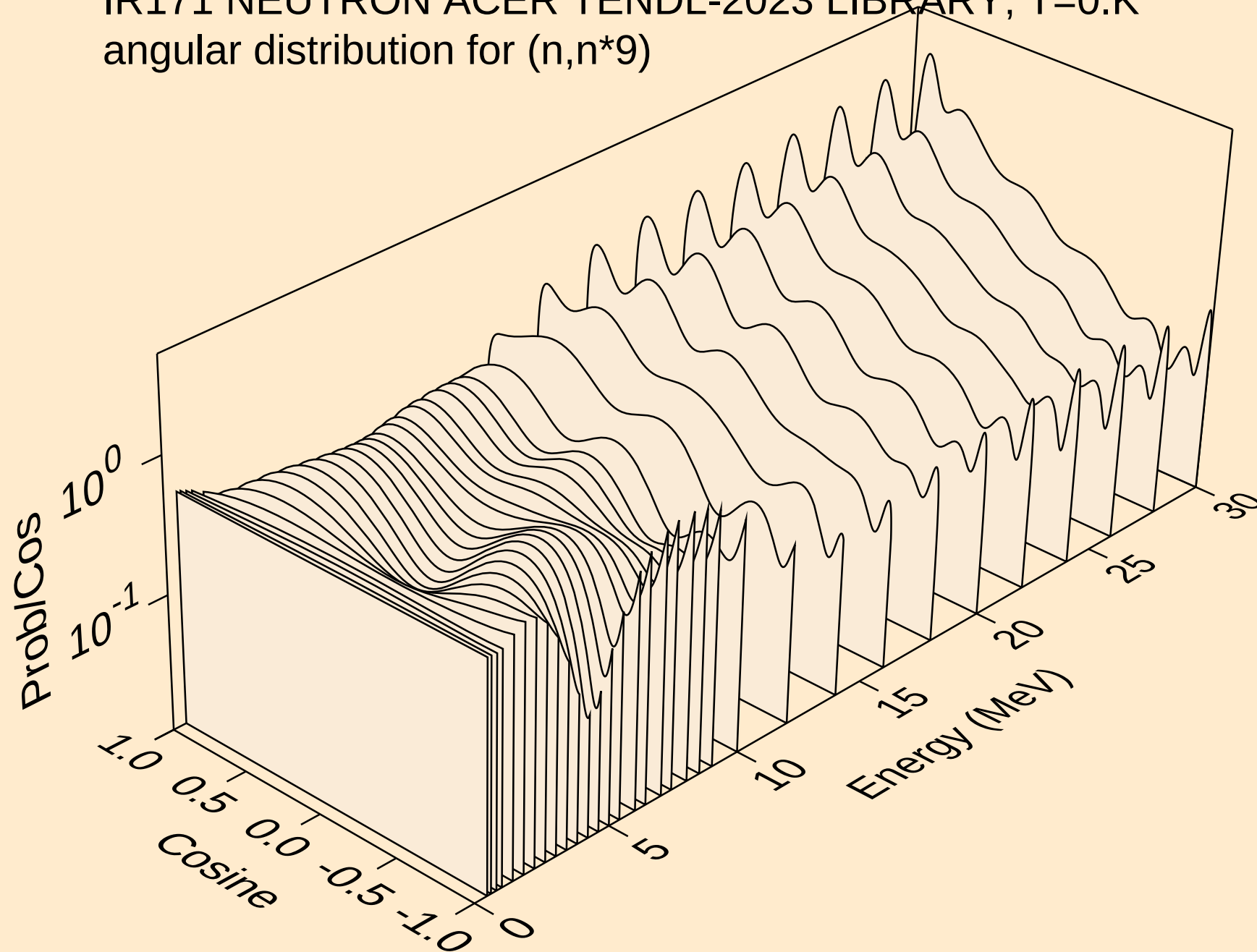
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angular distribution for (n,n*7)



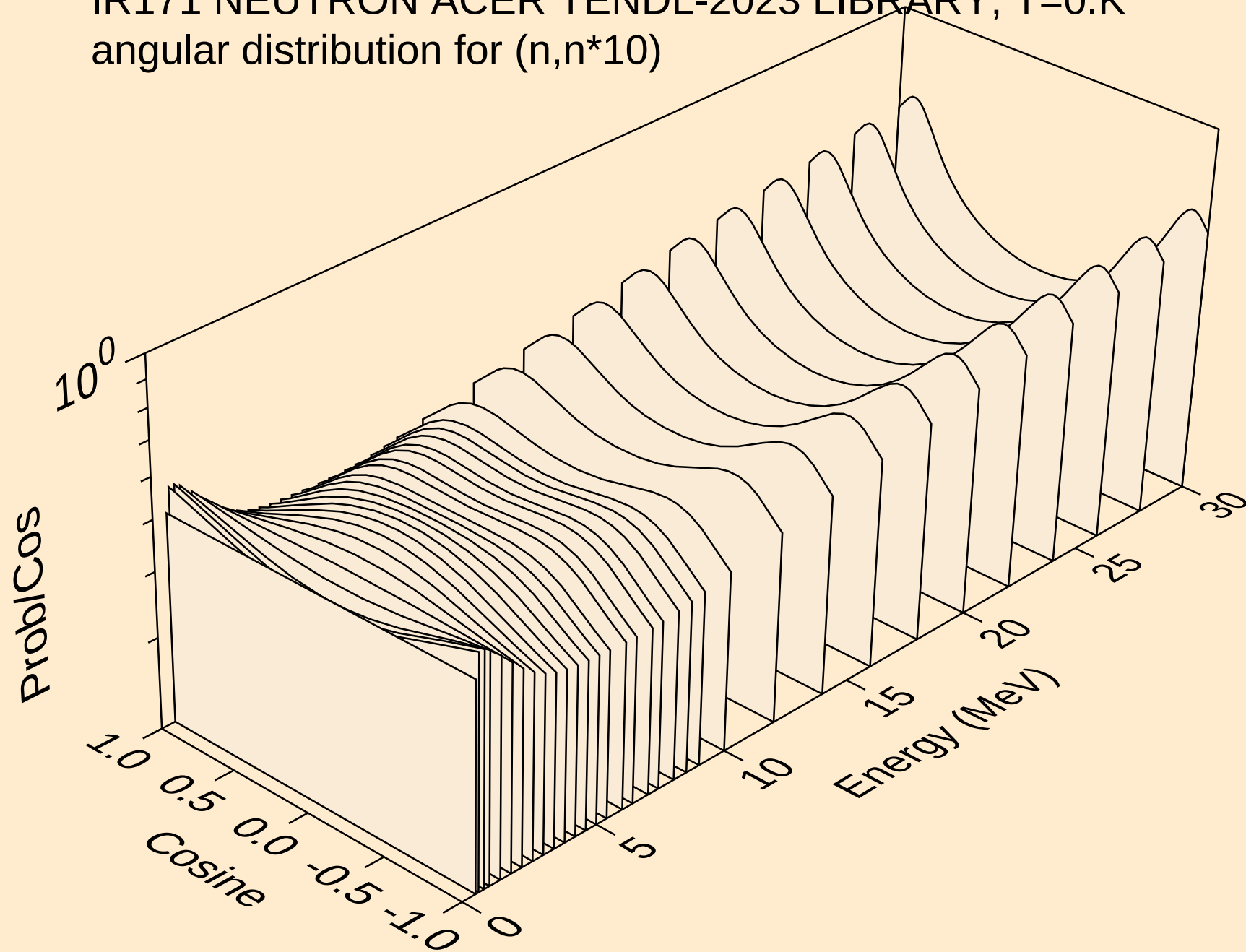
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angular distribution for (n,n*8)



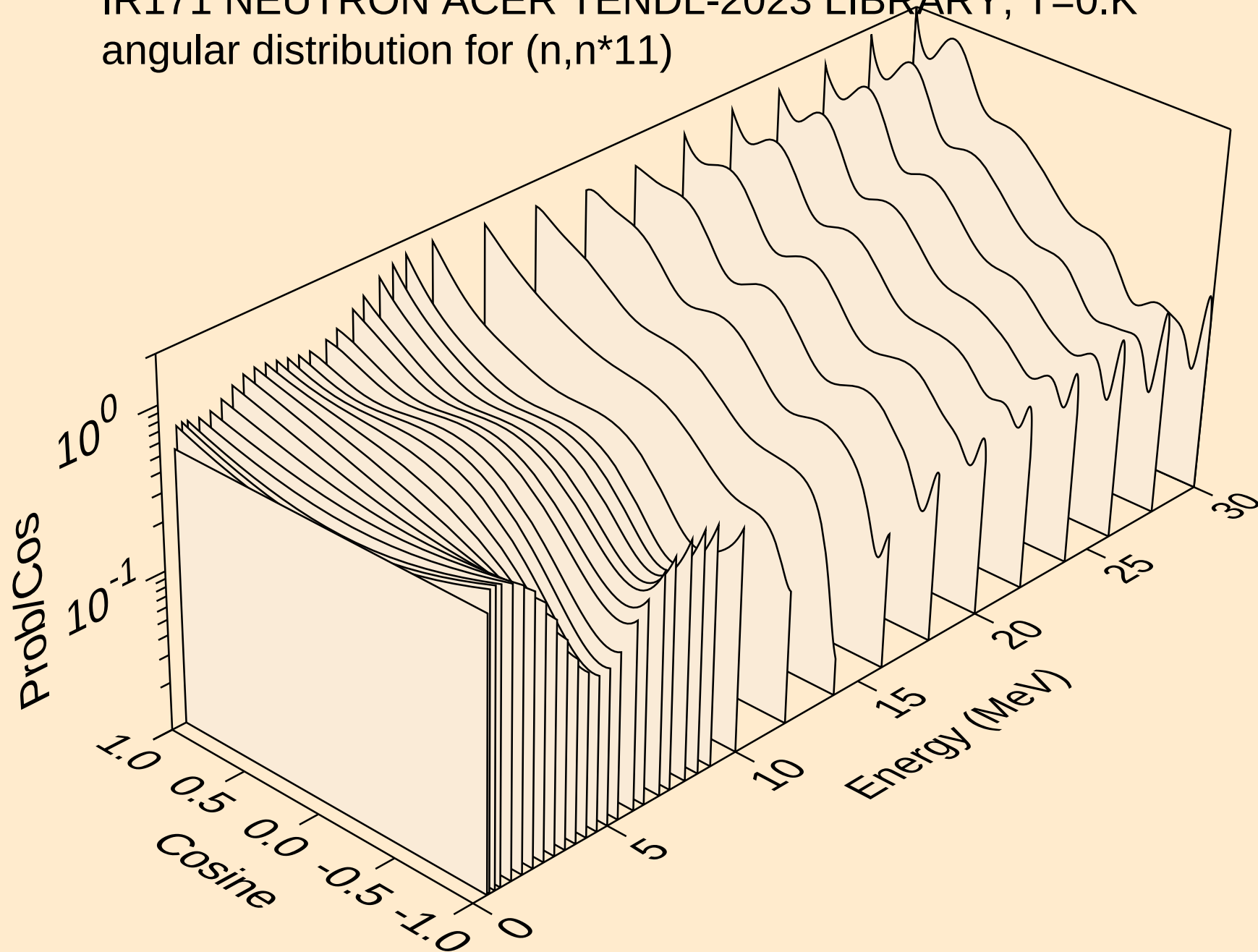
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angular distribution for (n,n*9)



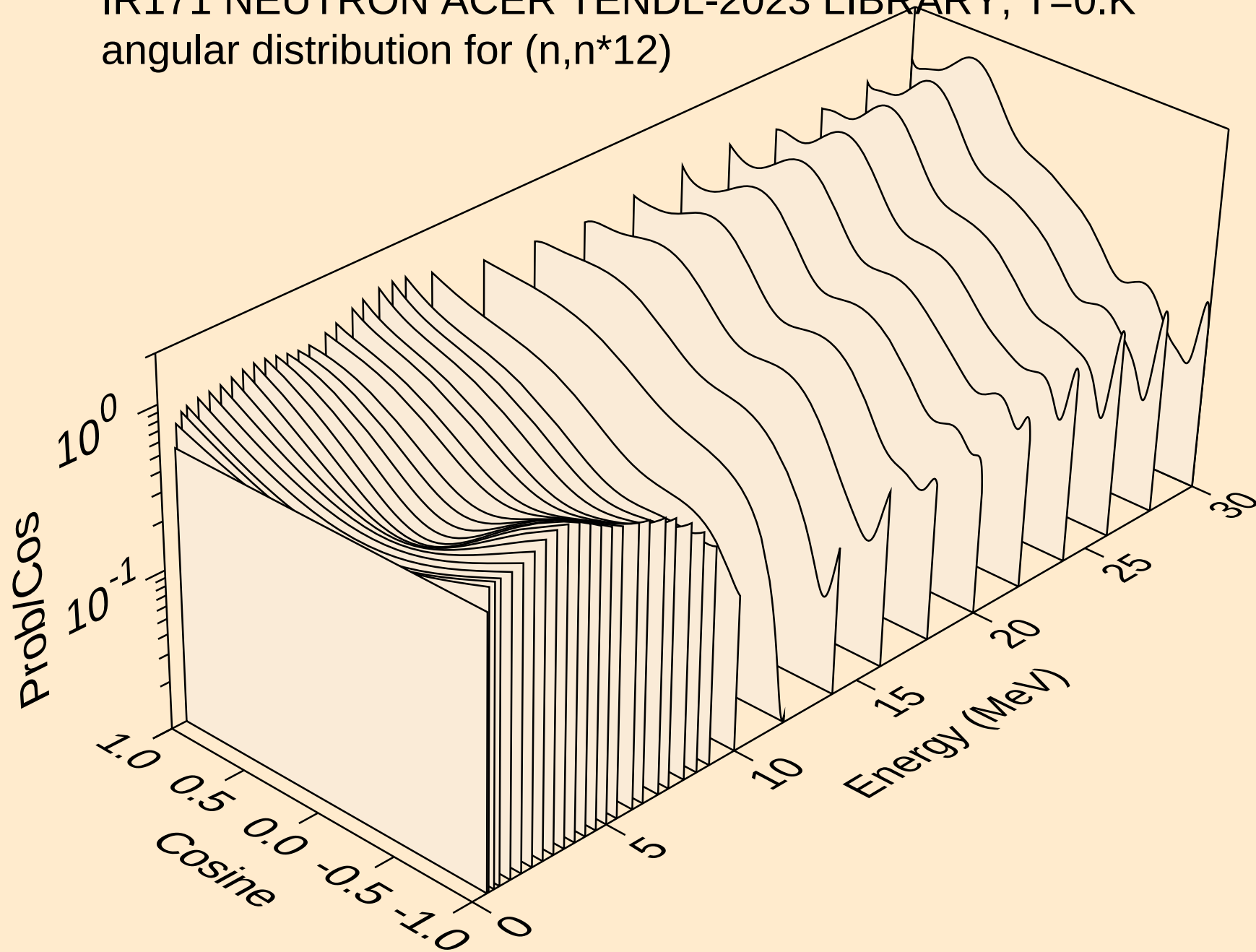
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angular distribution for (n,n*10)



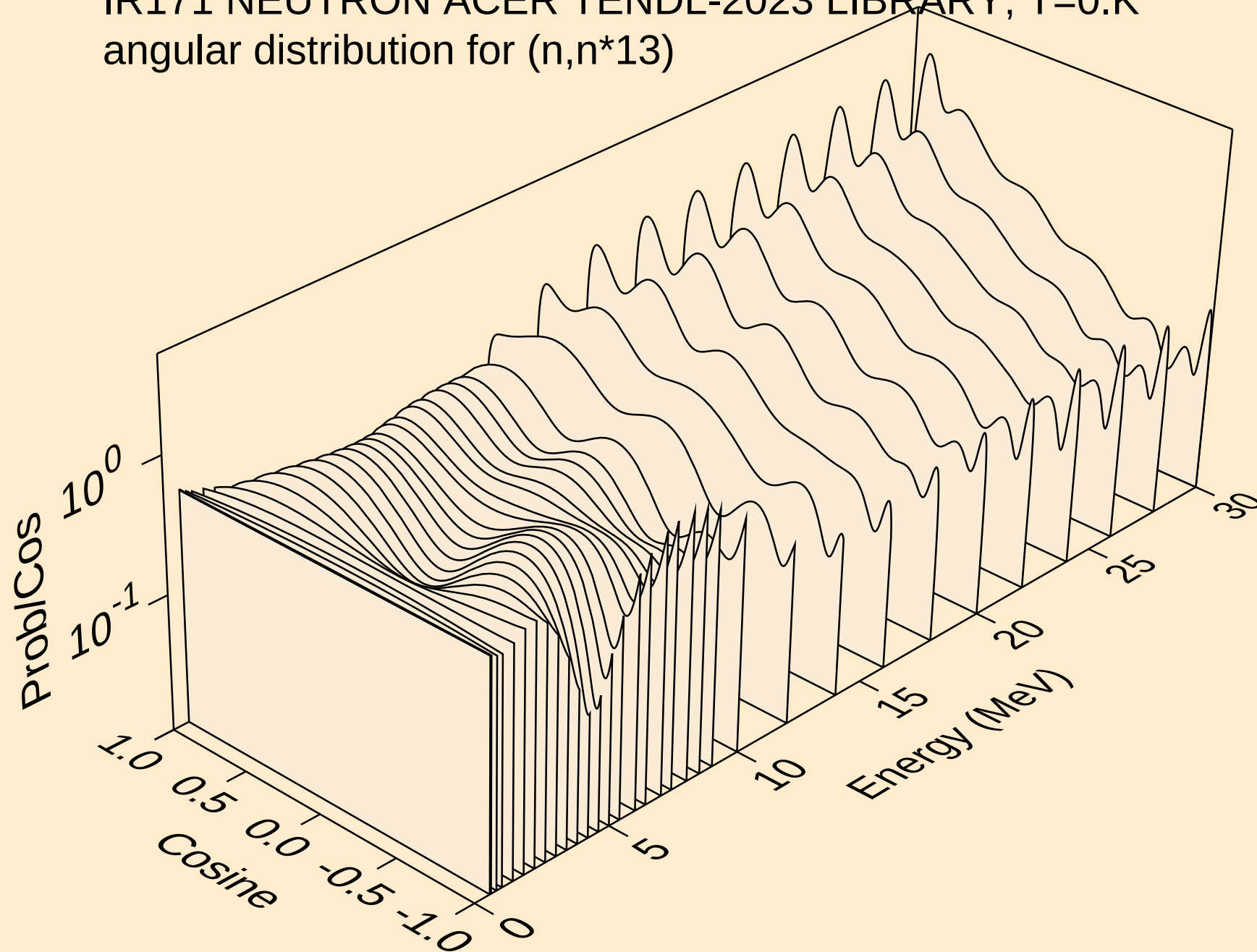
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angular distribution for (n,n*11)



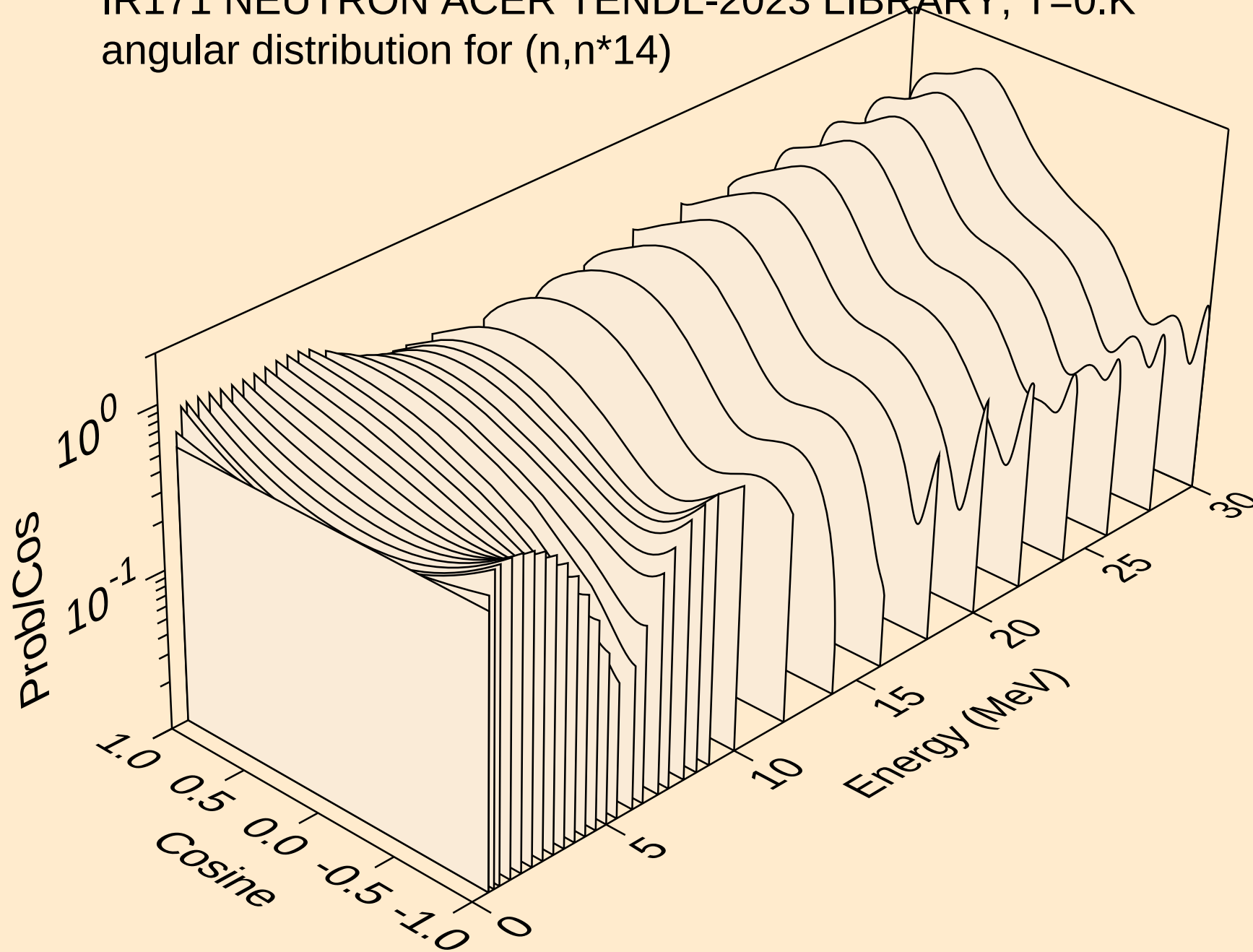
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angular distribution for (n,n*12)



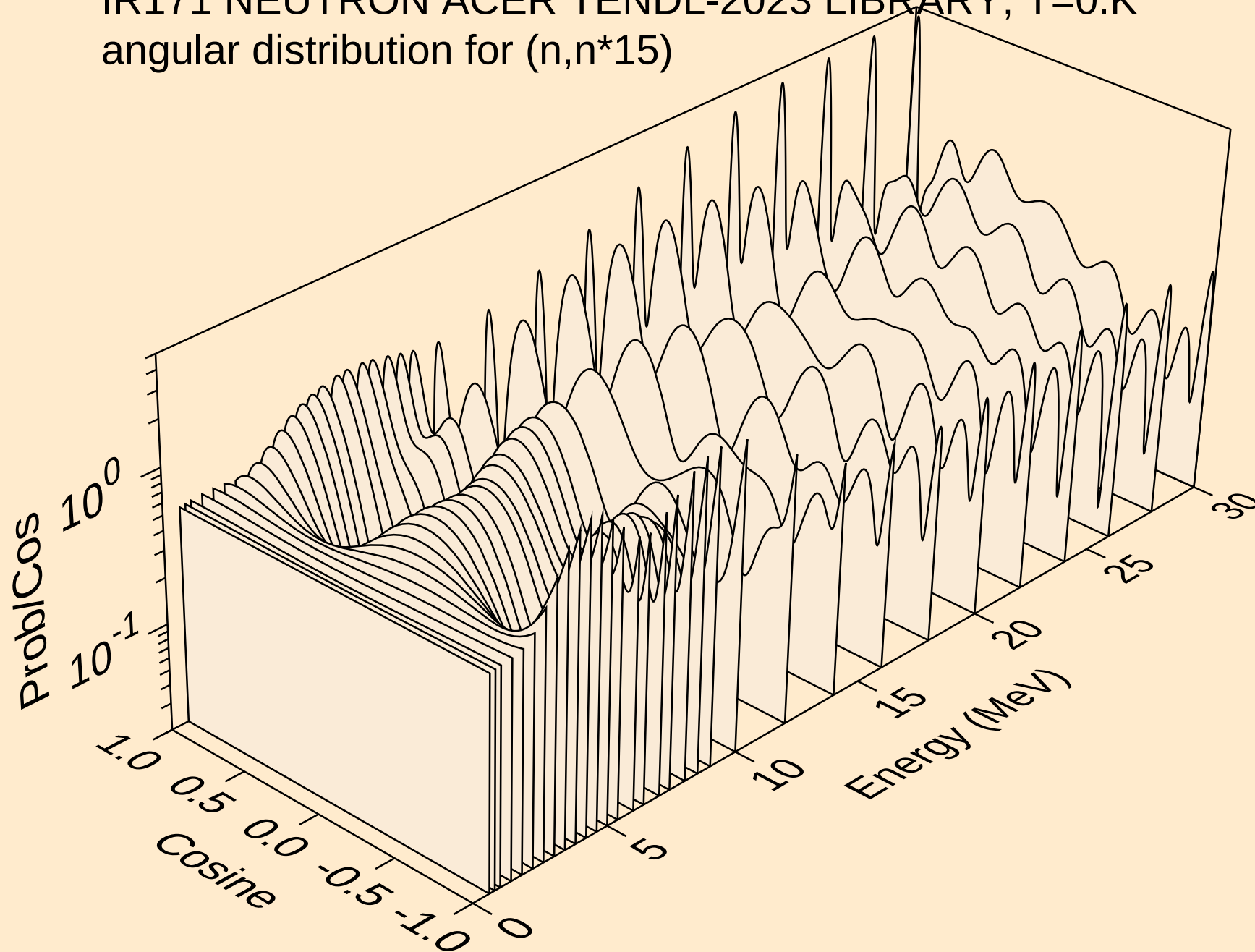
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angular distribution for (n,n*13)



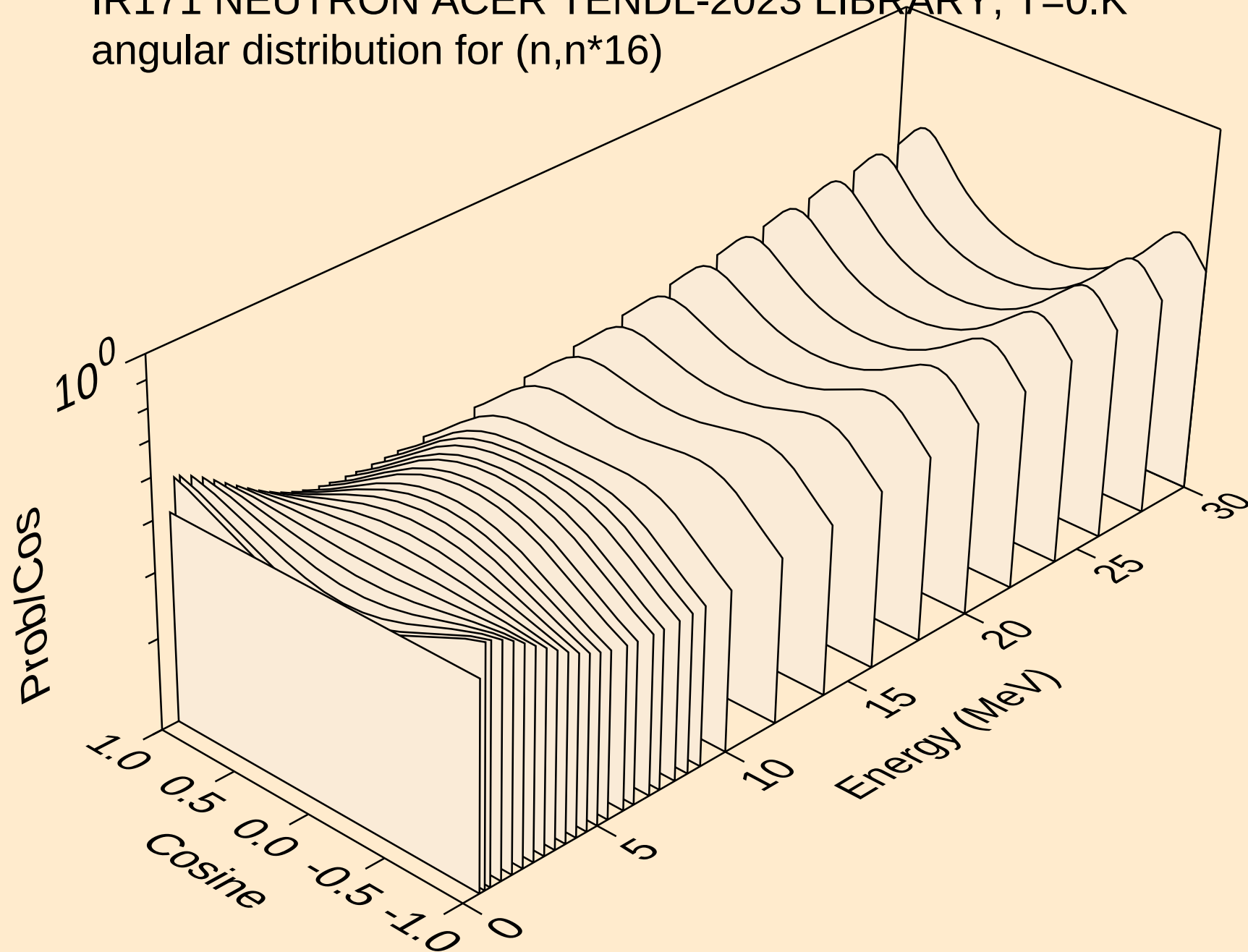
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angular distribution for (n,n*14)



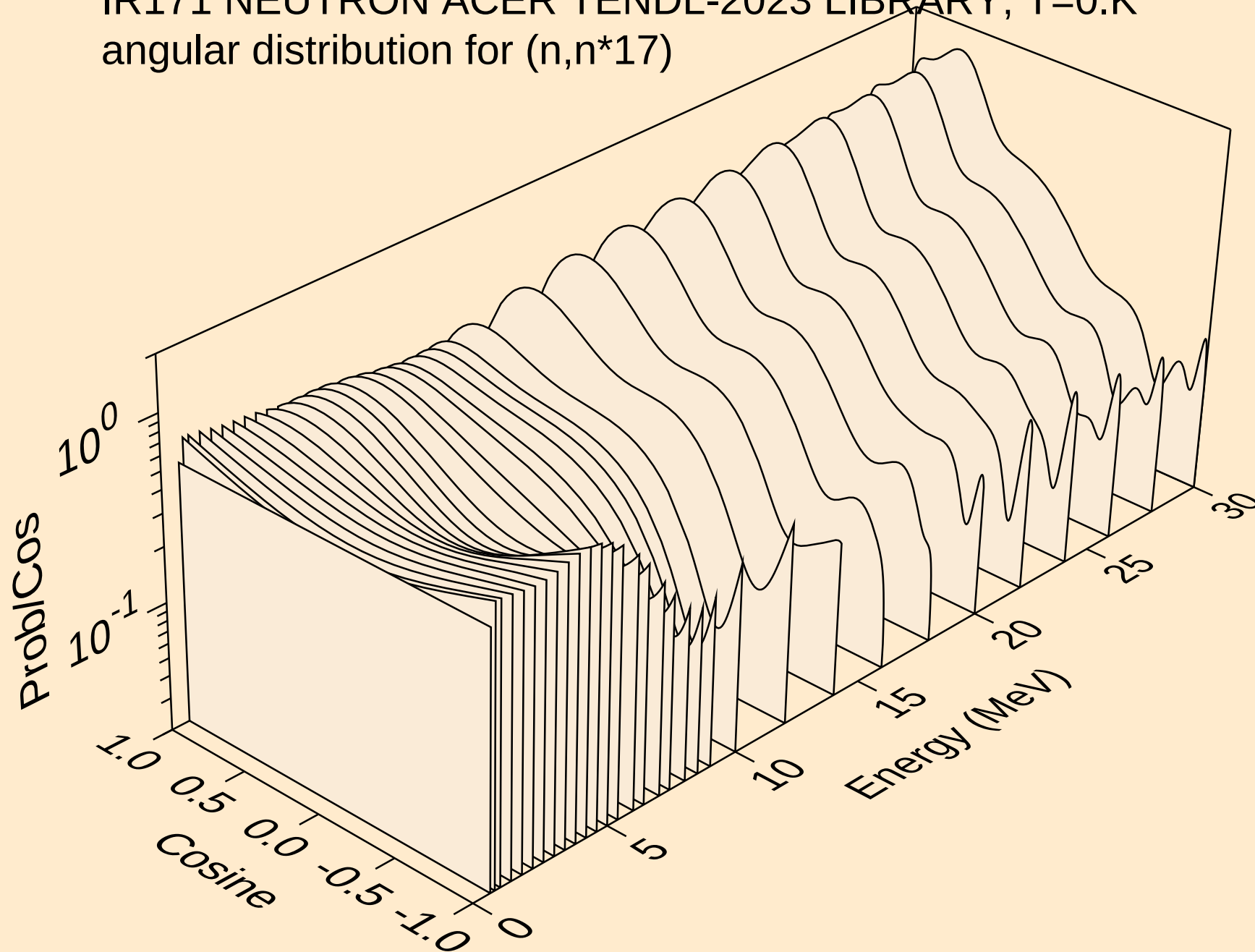
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angular distribution for (n,n*15)



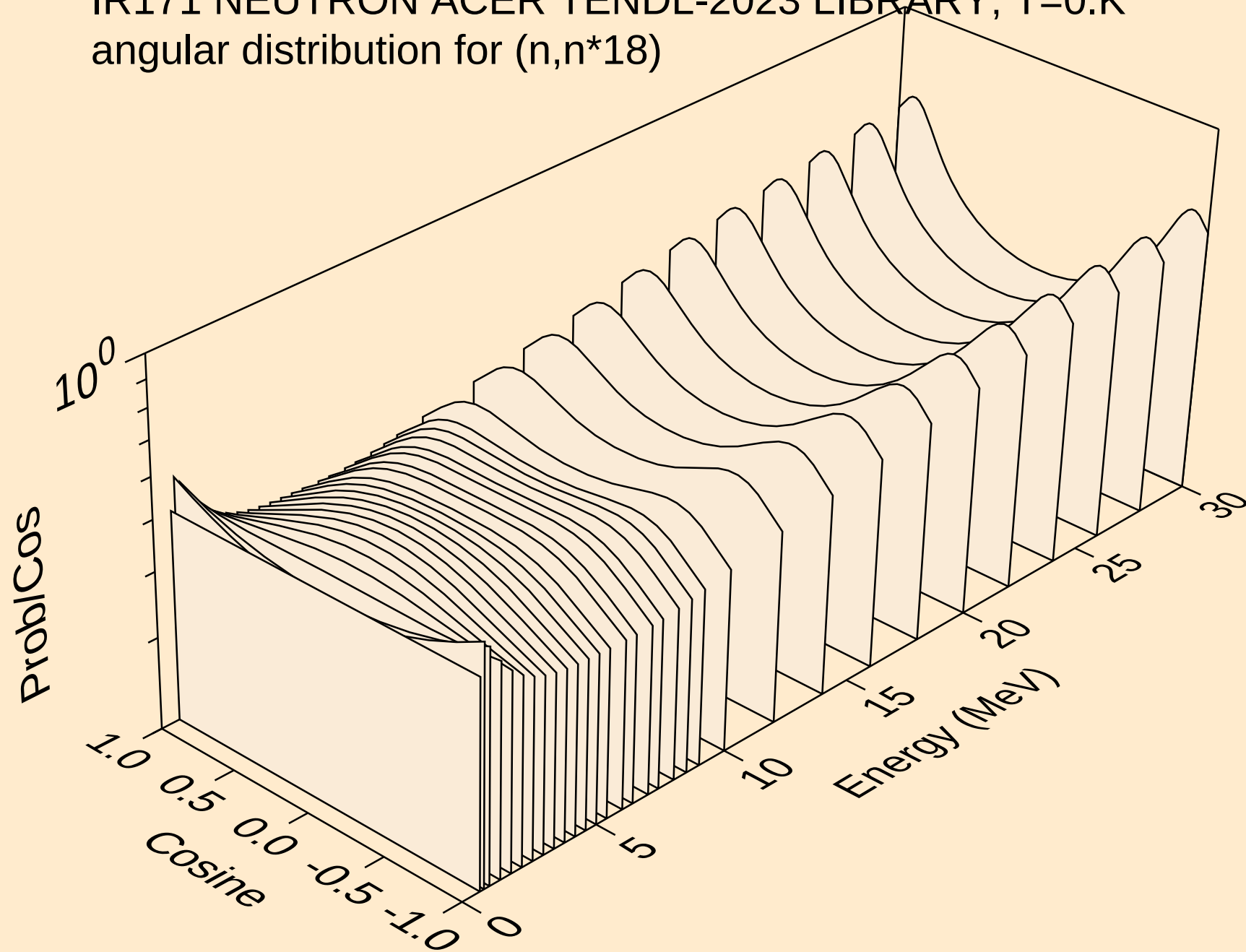
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angular distribution for (n,n*16)



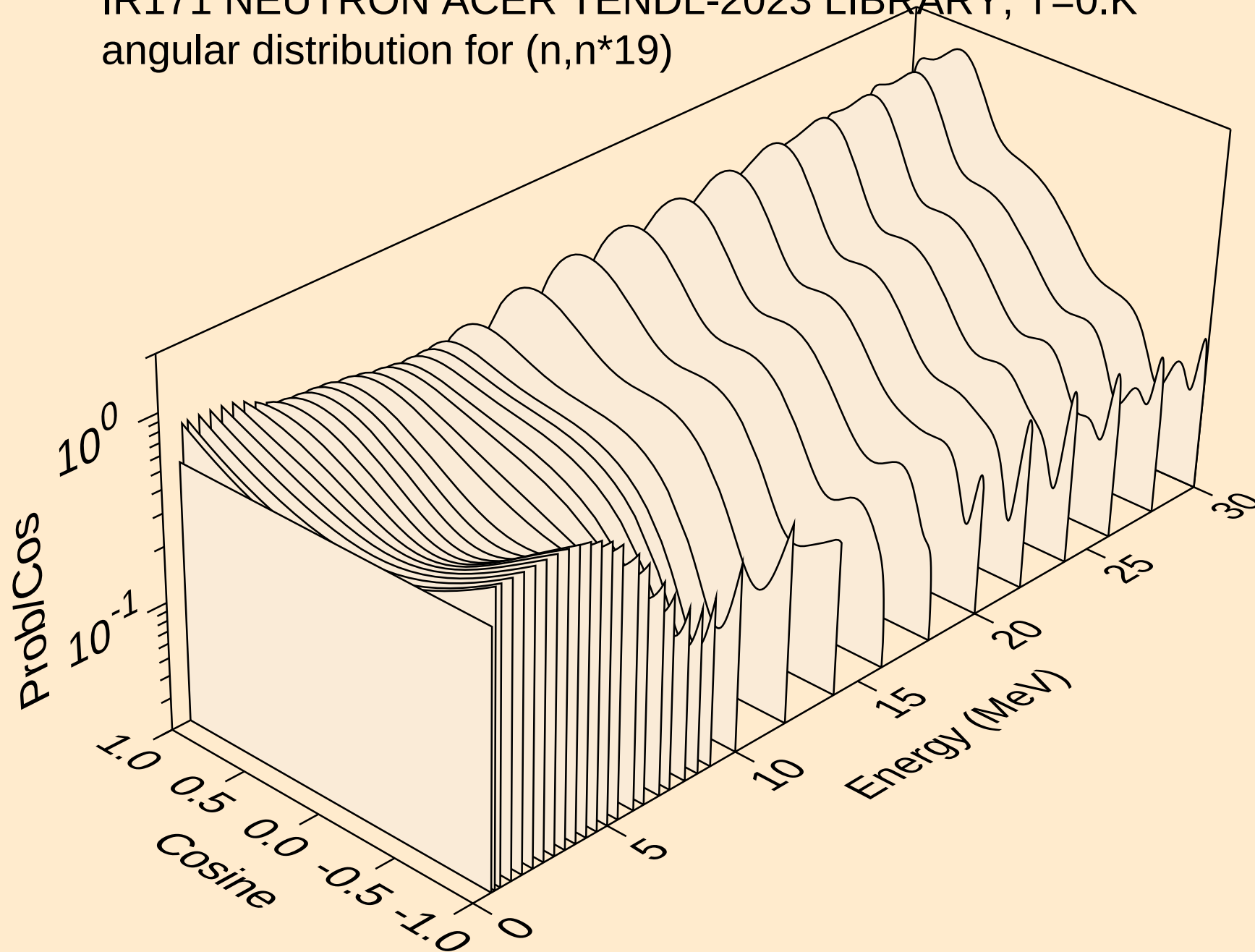
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angular distribution for (n,n*17)



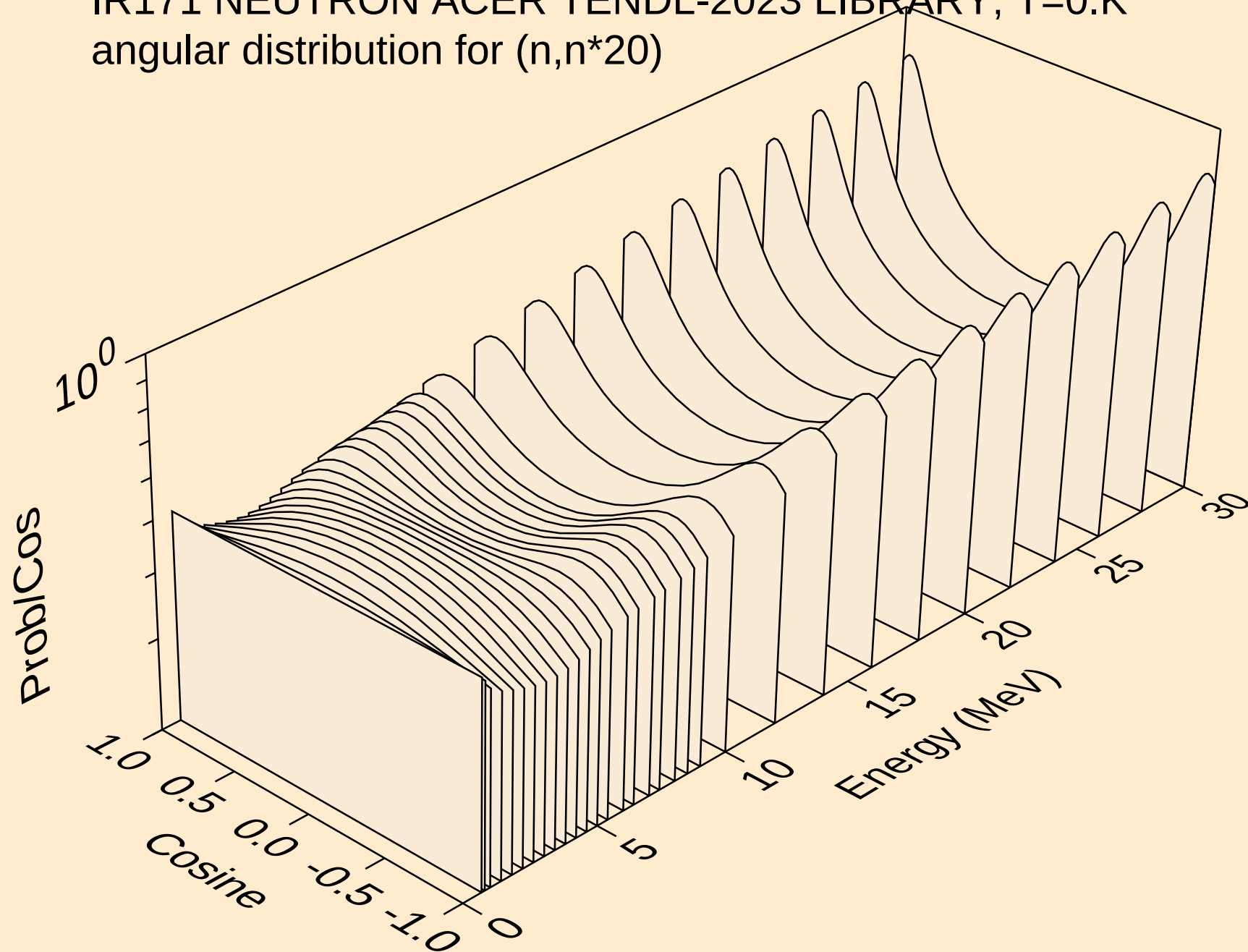
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angular distribution for (n,n*18)



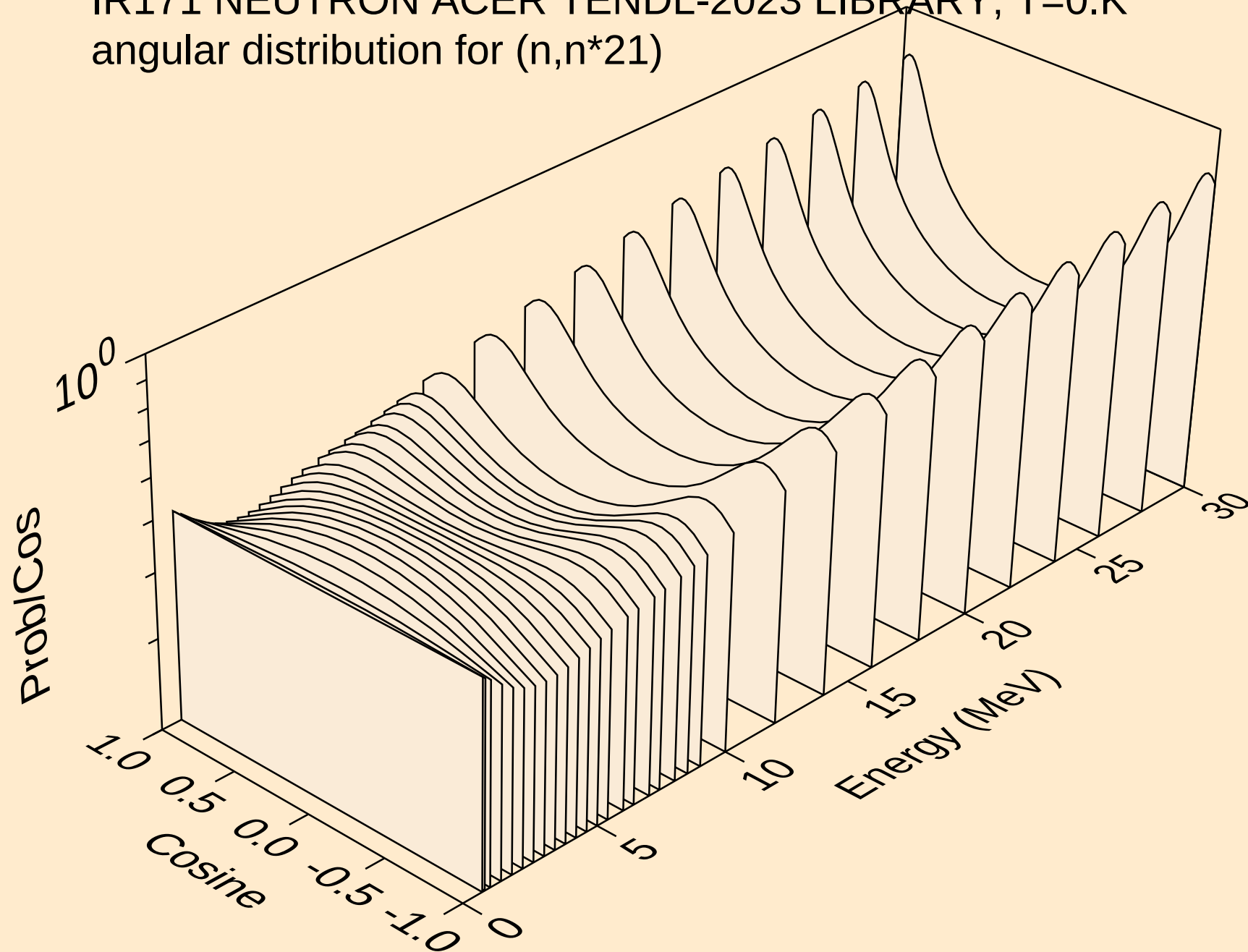
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angular distribution for (n,n*19)



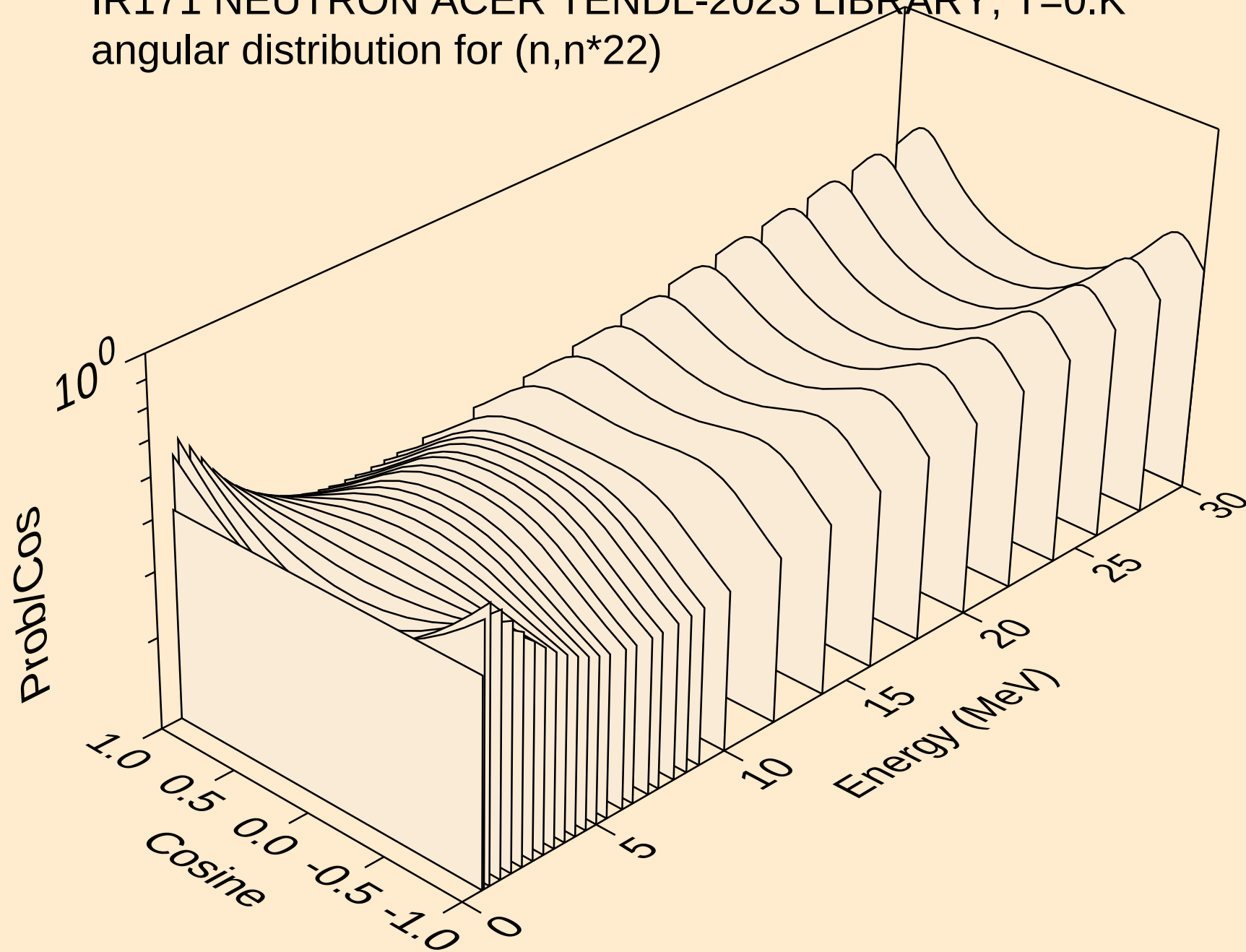
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angular distribution for (n,n*20)



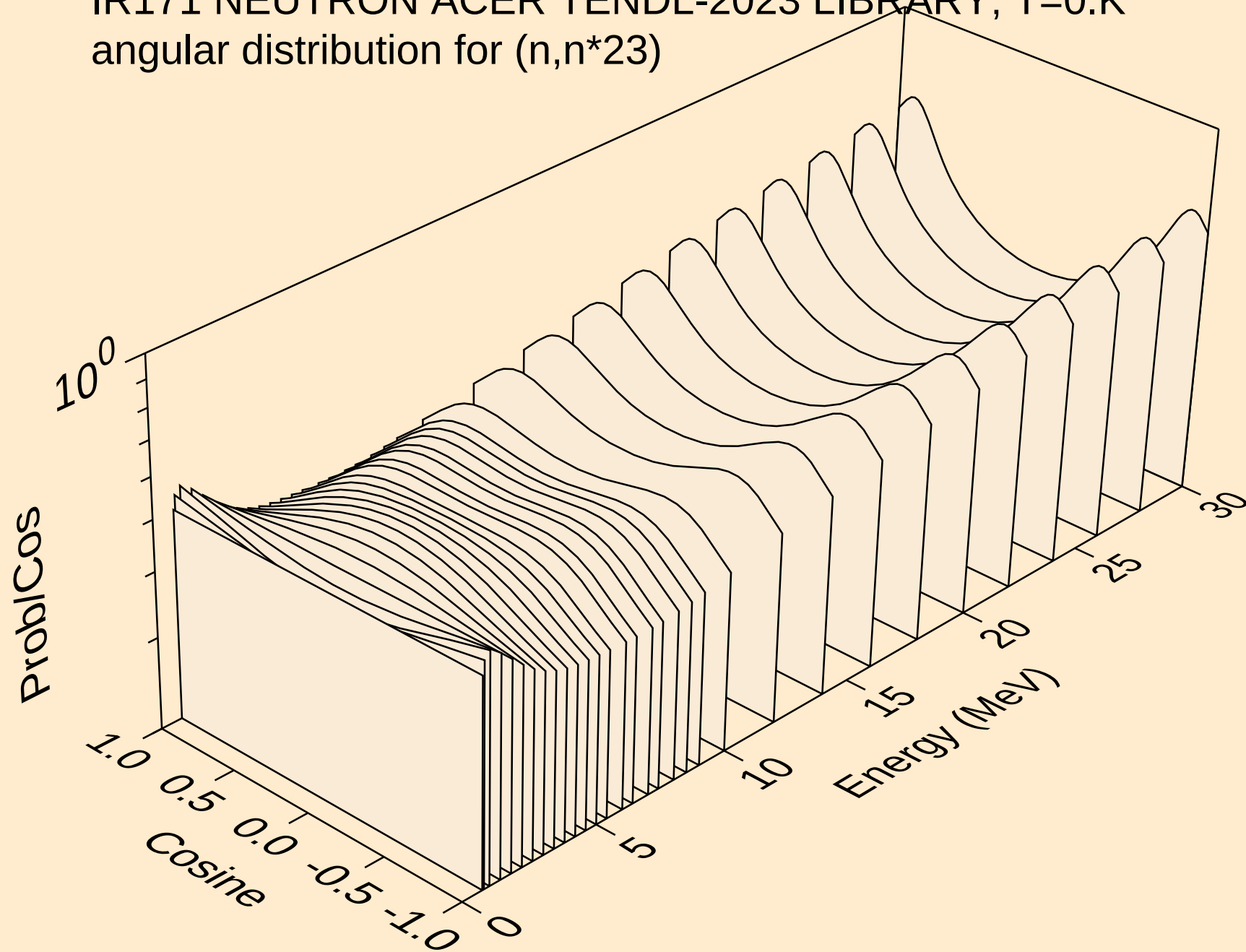
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angular distribution for (n,n*21)



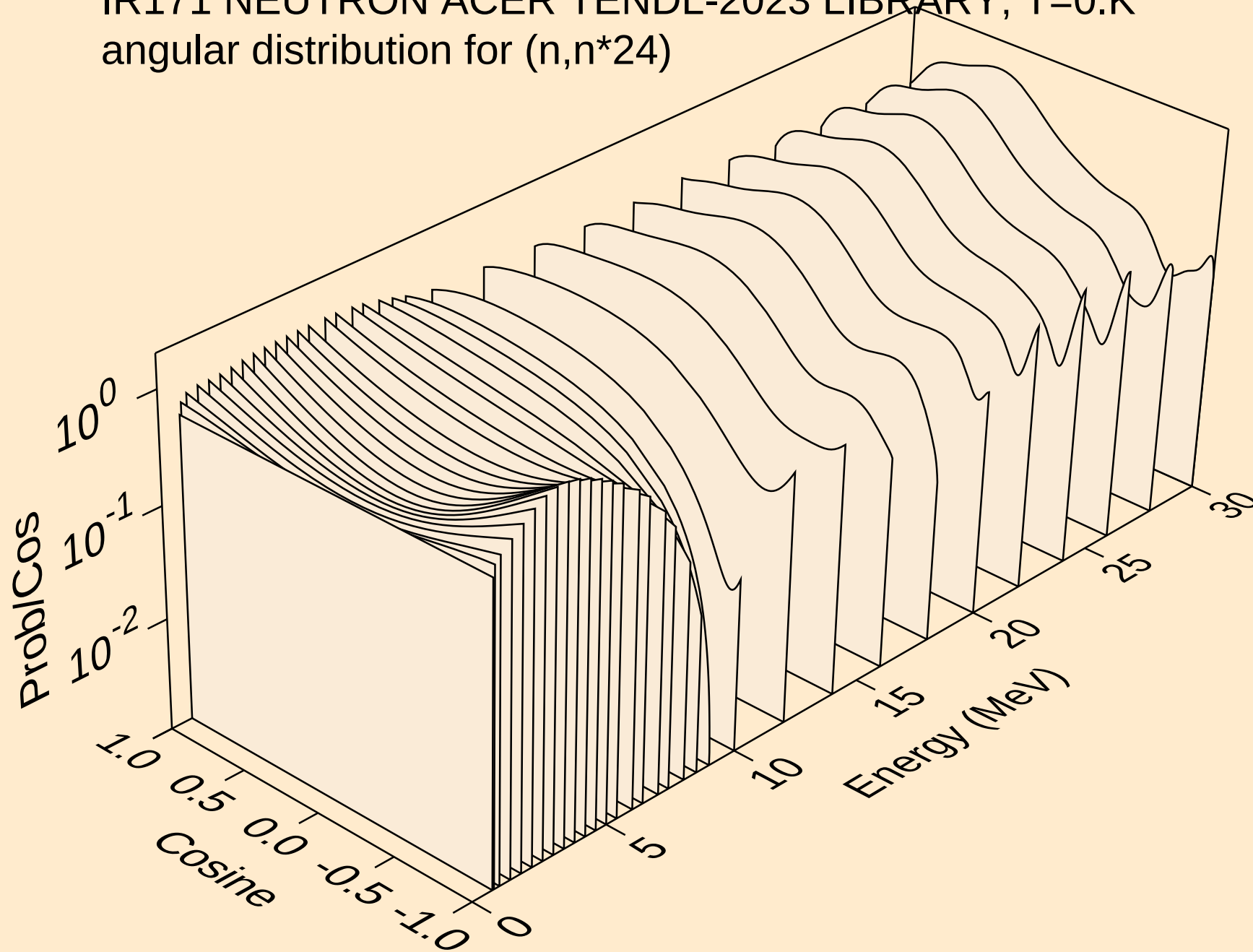
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angular distribution for (n,n*22)



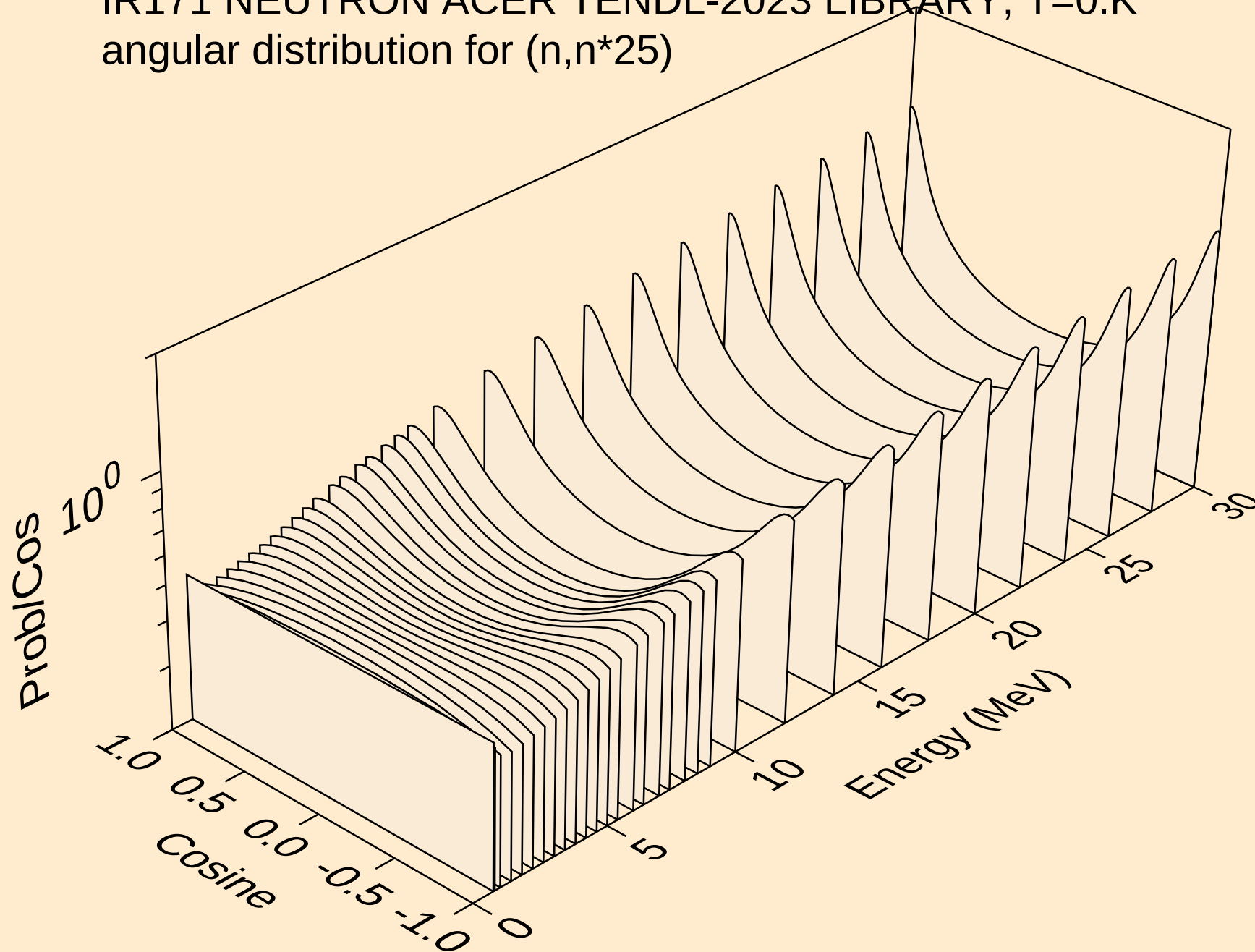
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angular distribution for (n,n*23)



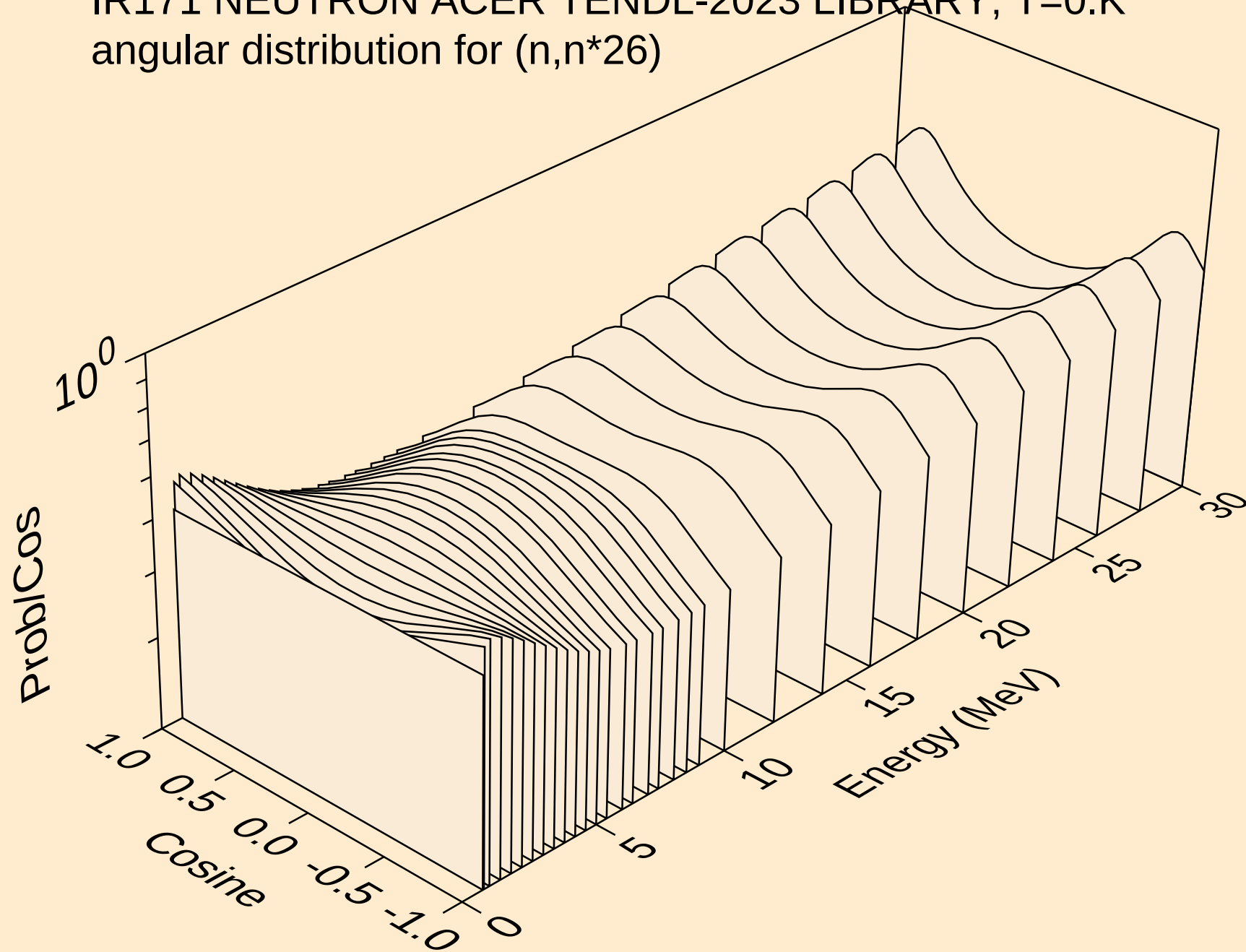
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angular distribution for (n,n*24)



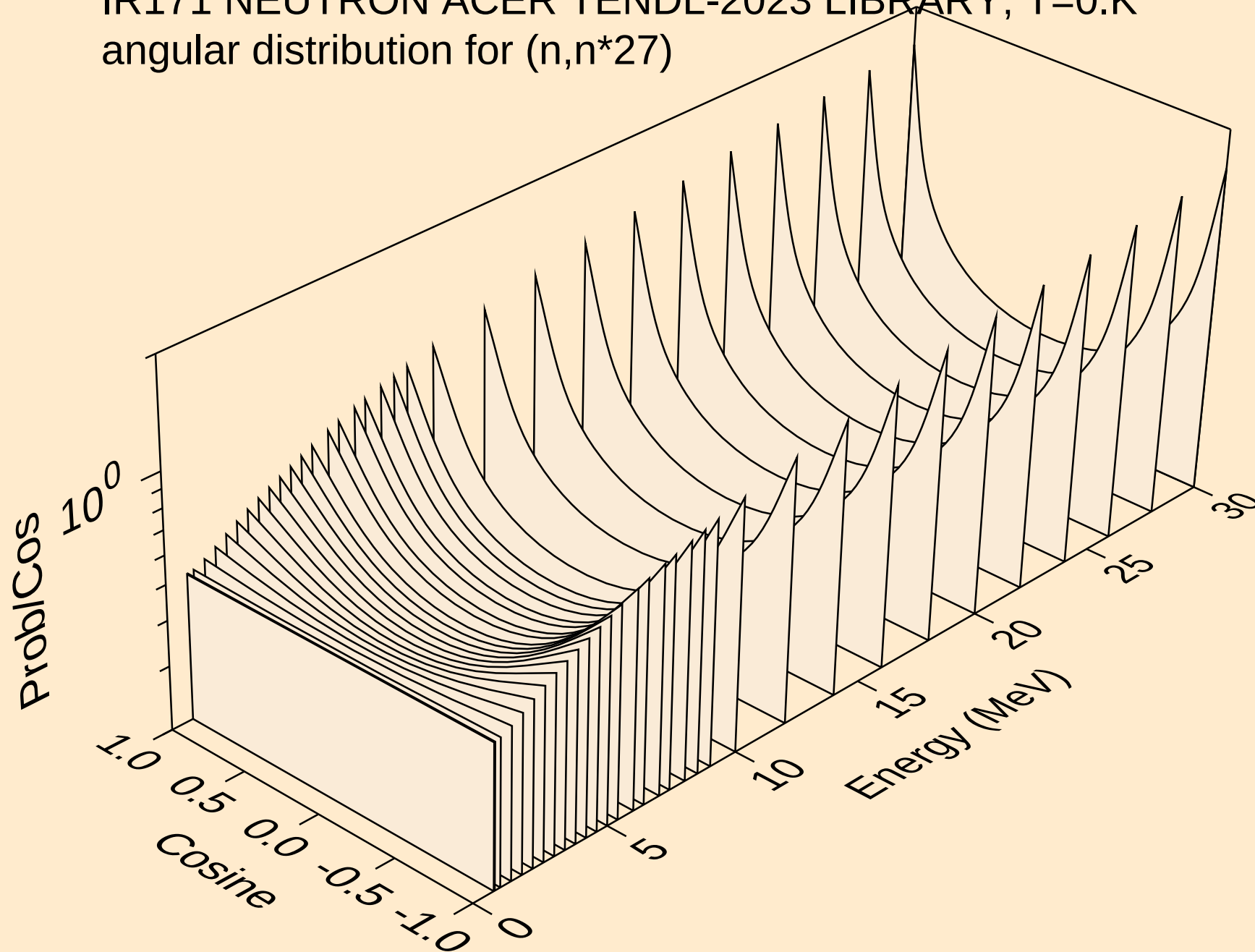
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



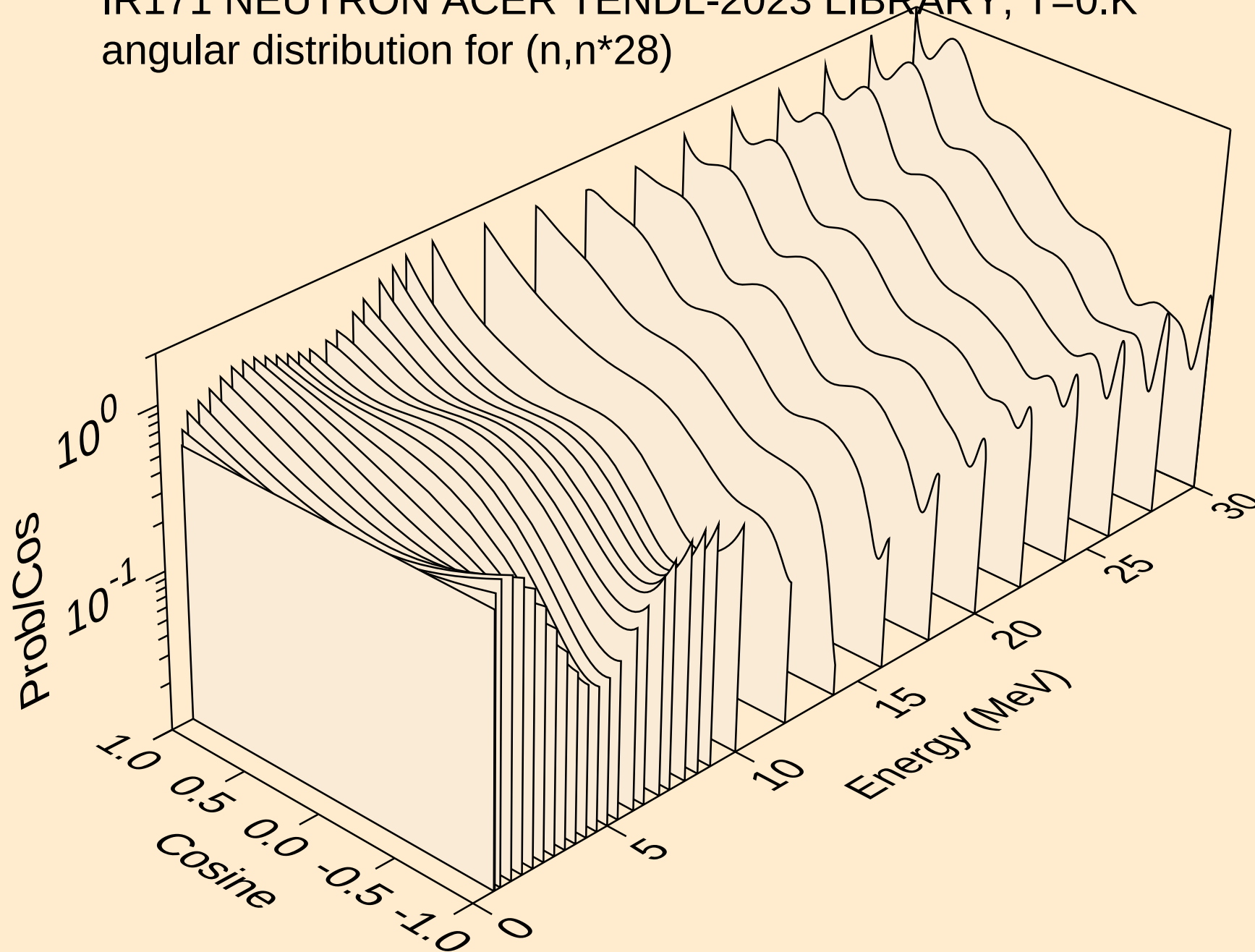
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*26)



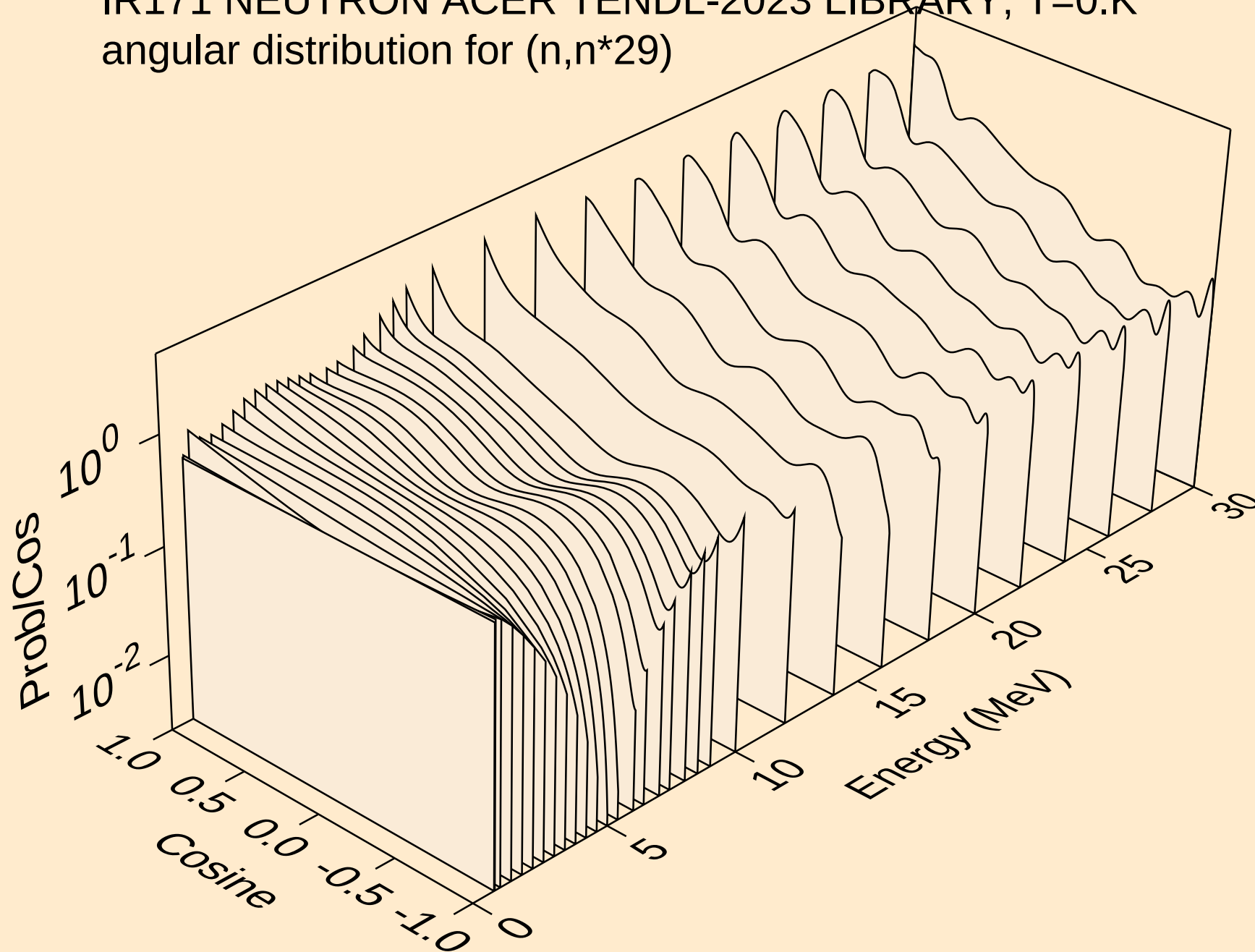
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*27)



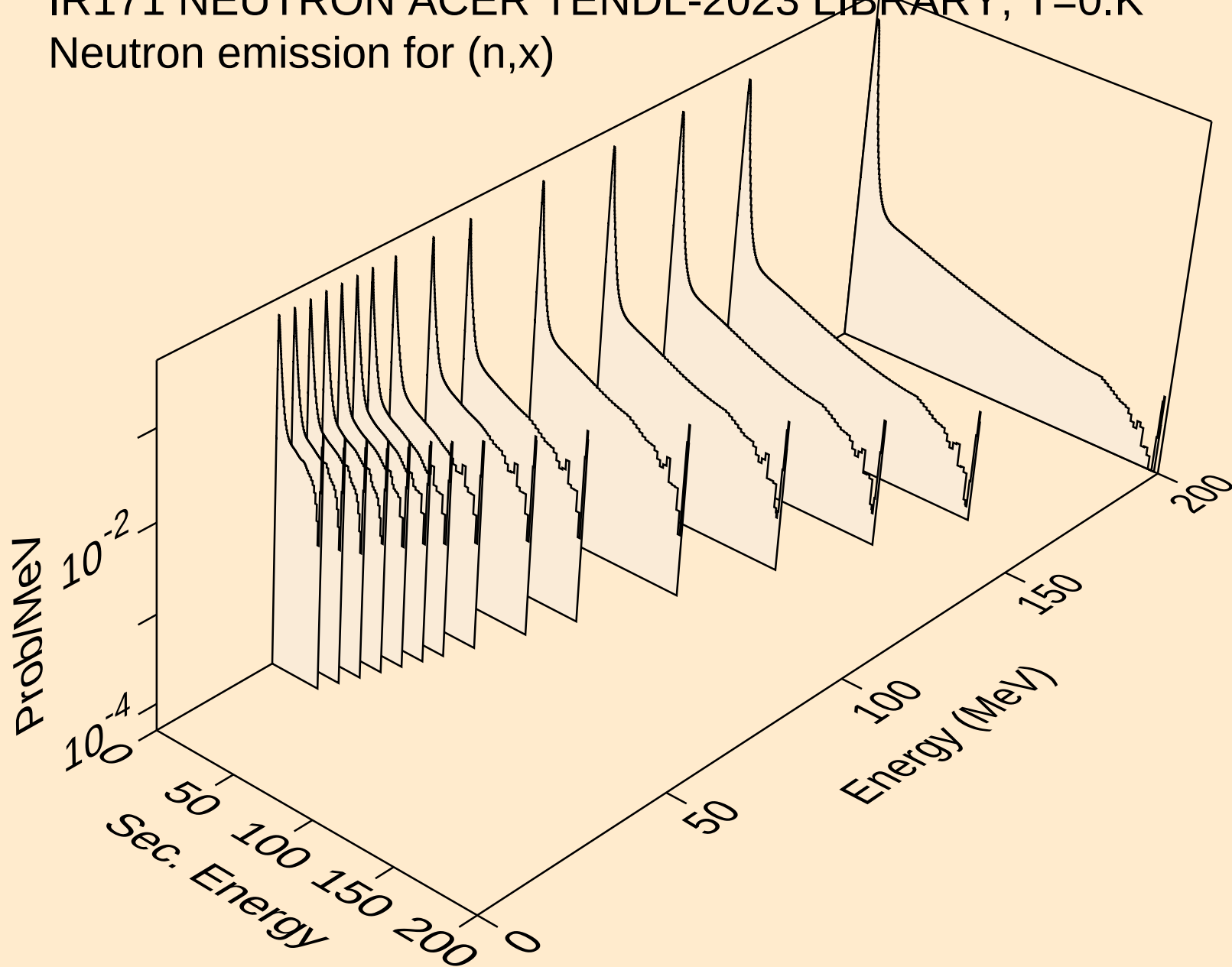
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*28)



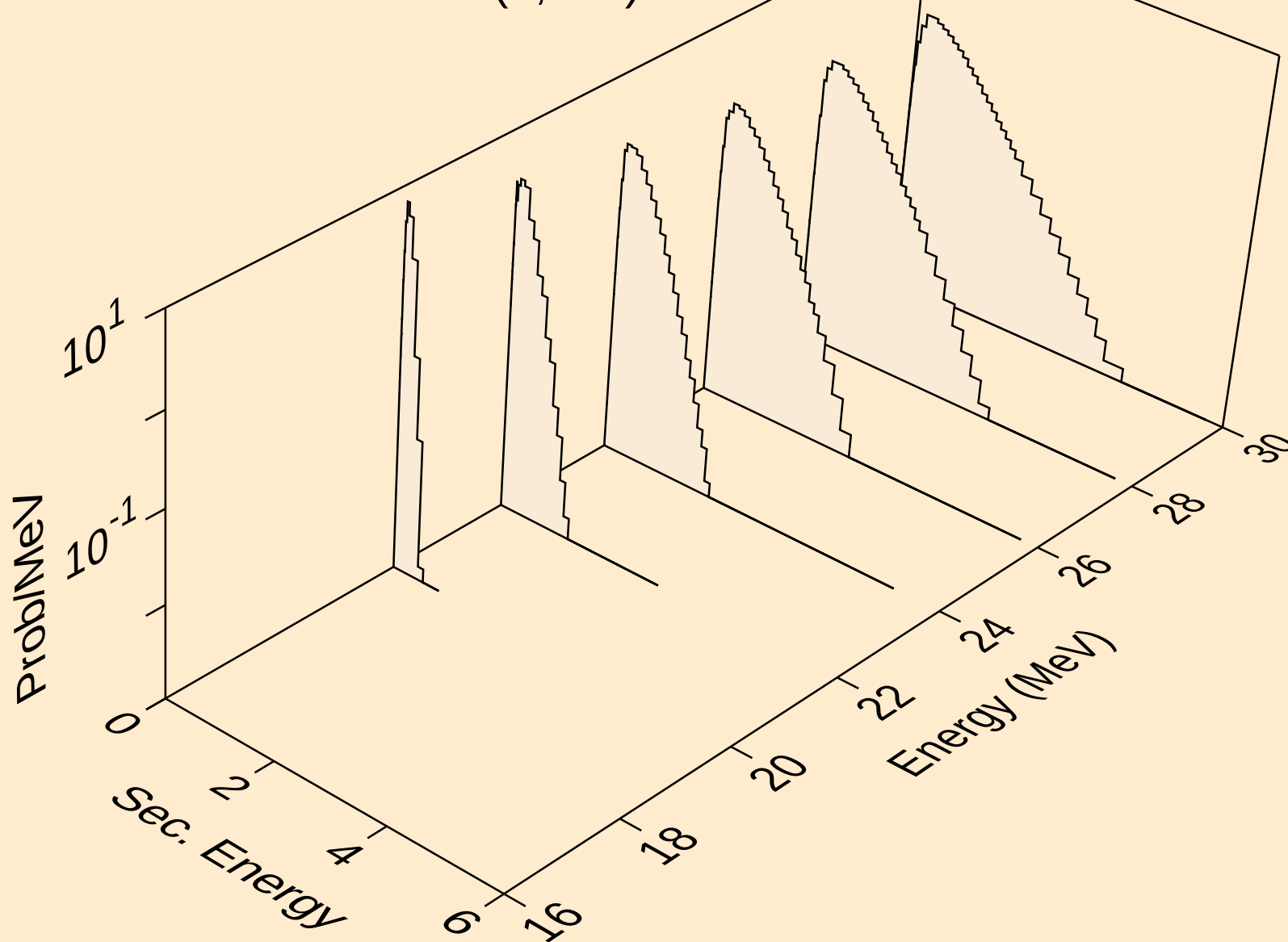
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angular distribution for (n,n*29)



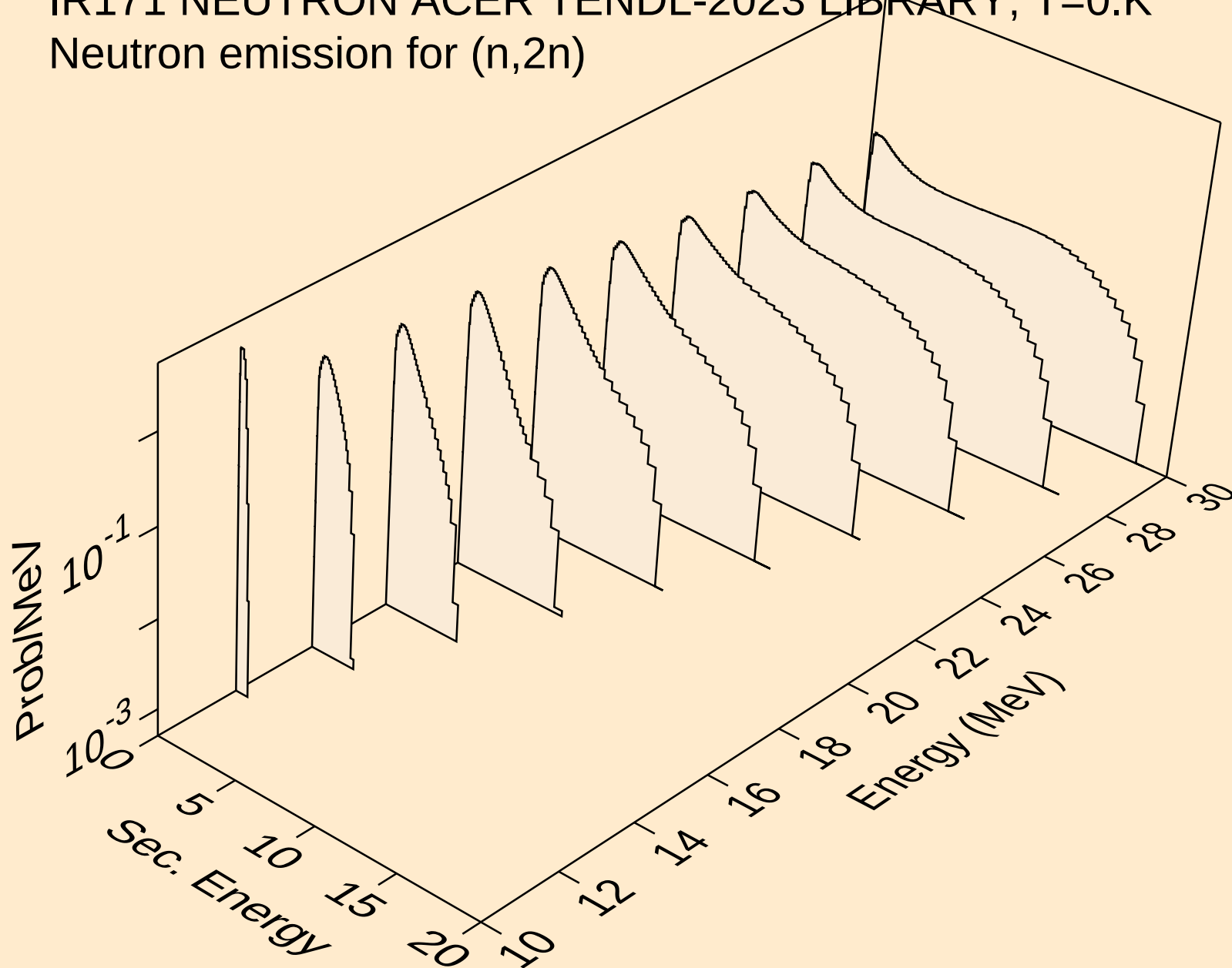
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



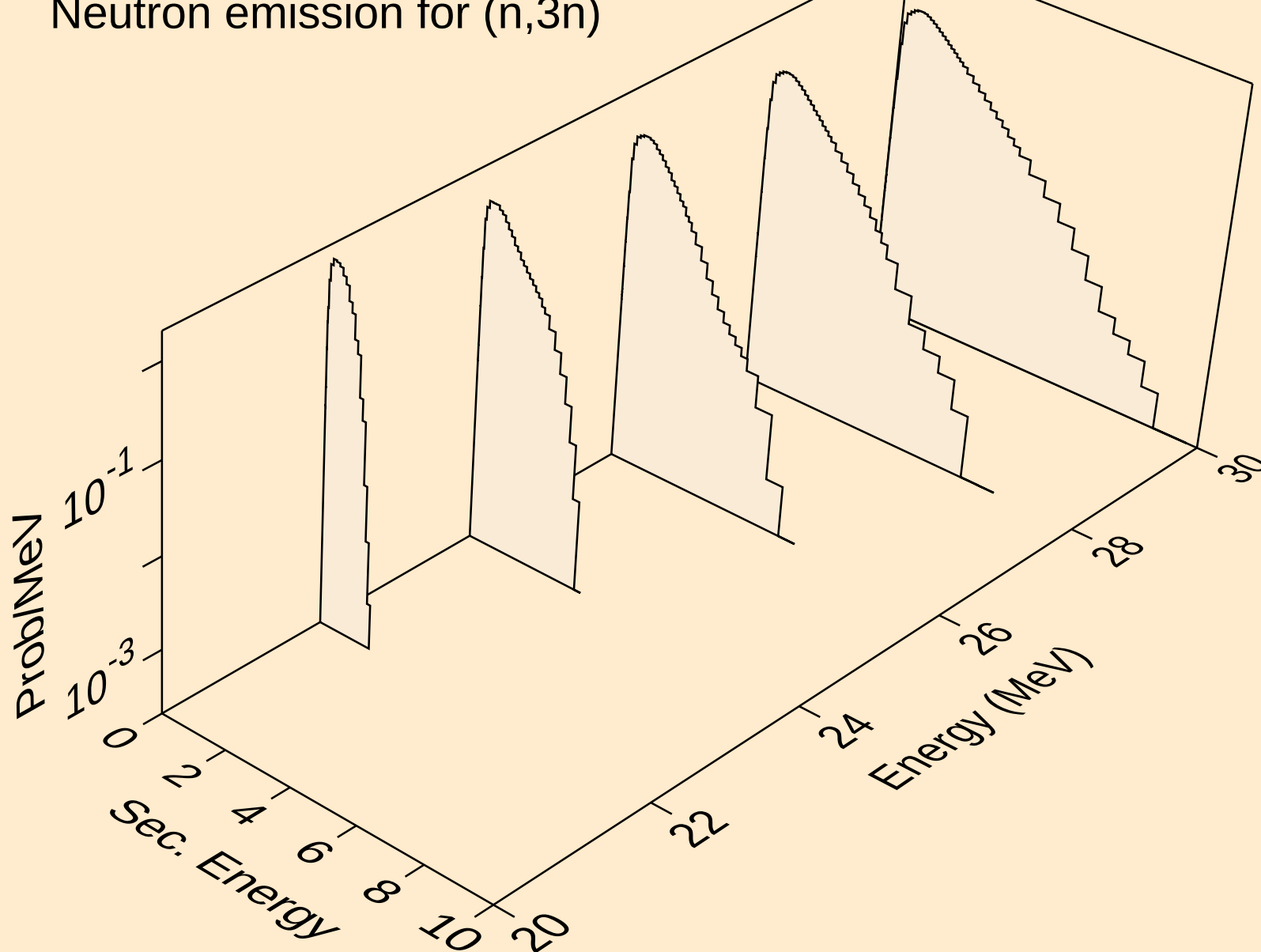
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



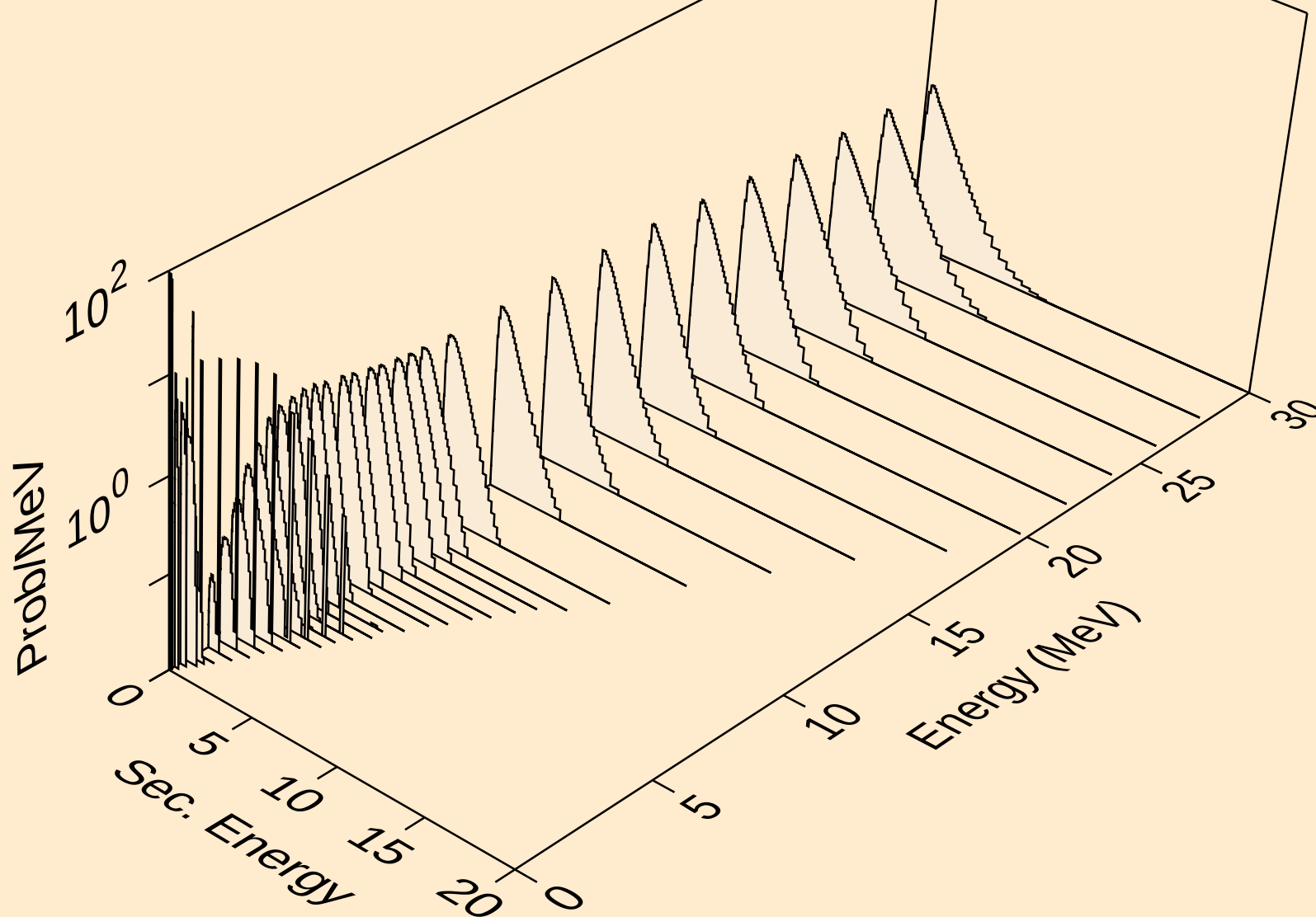
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



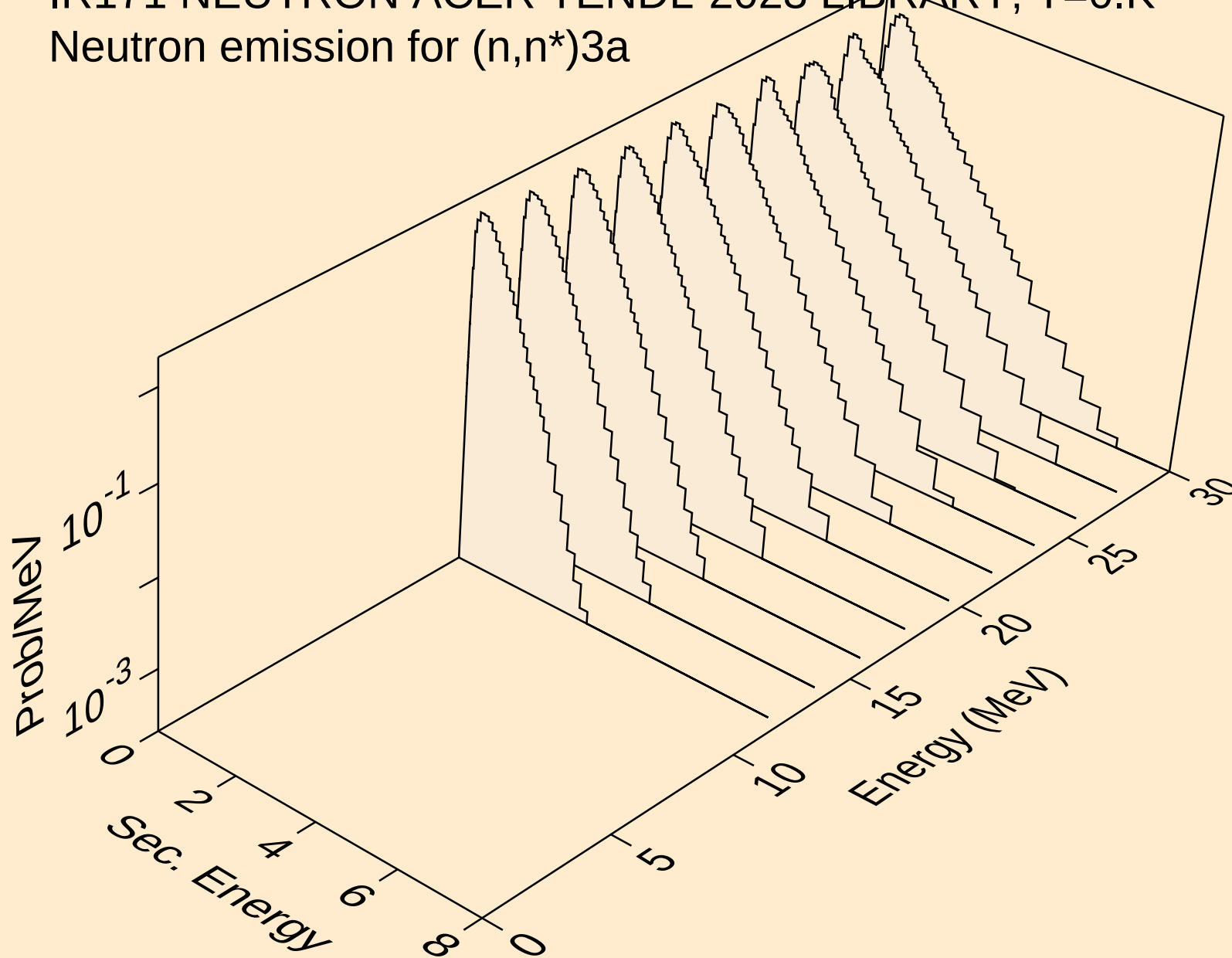
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



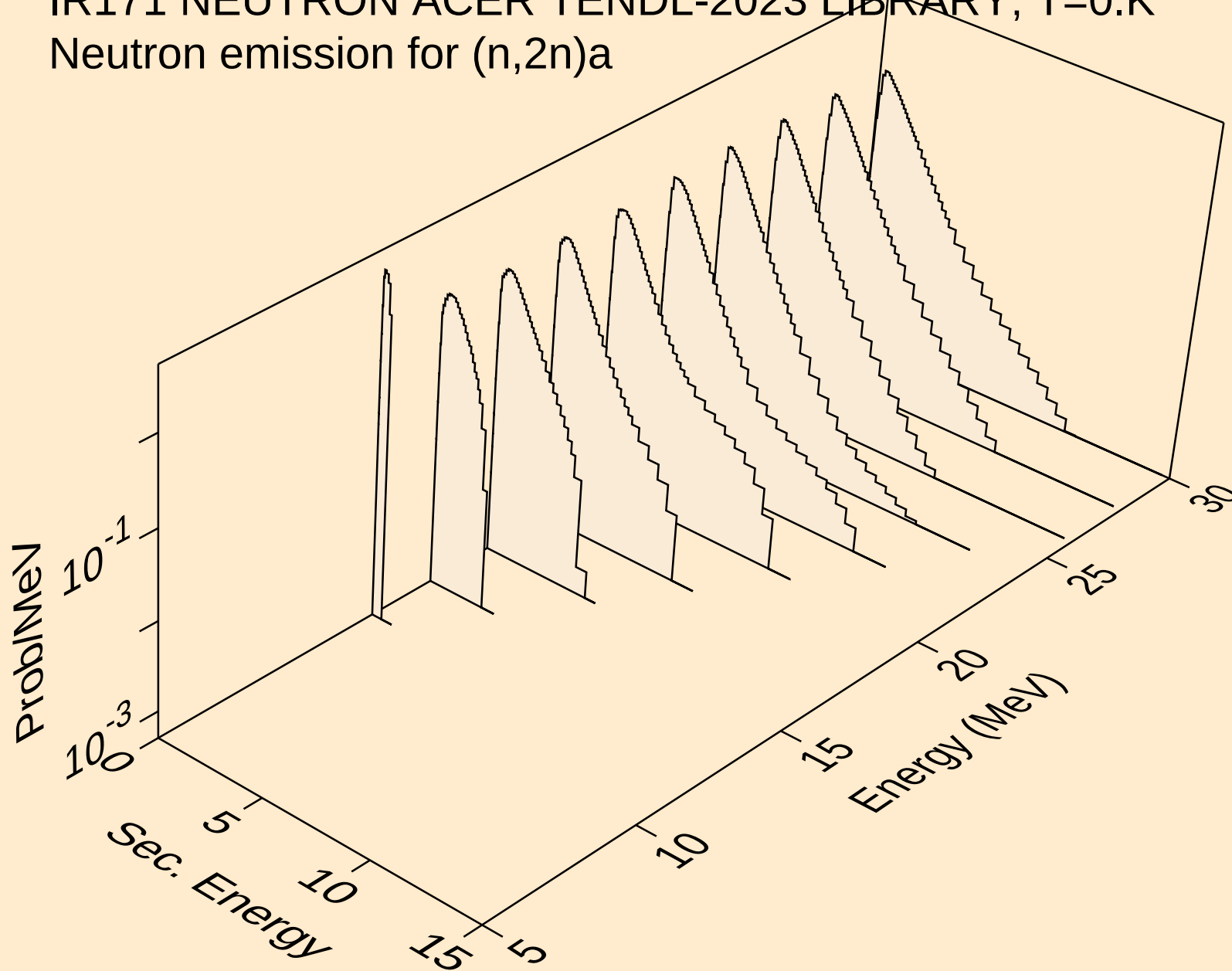
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



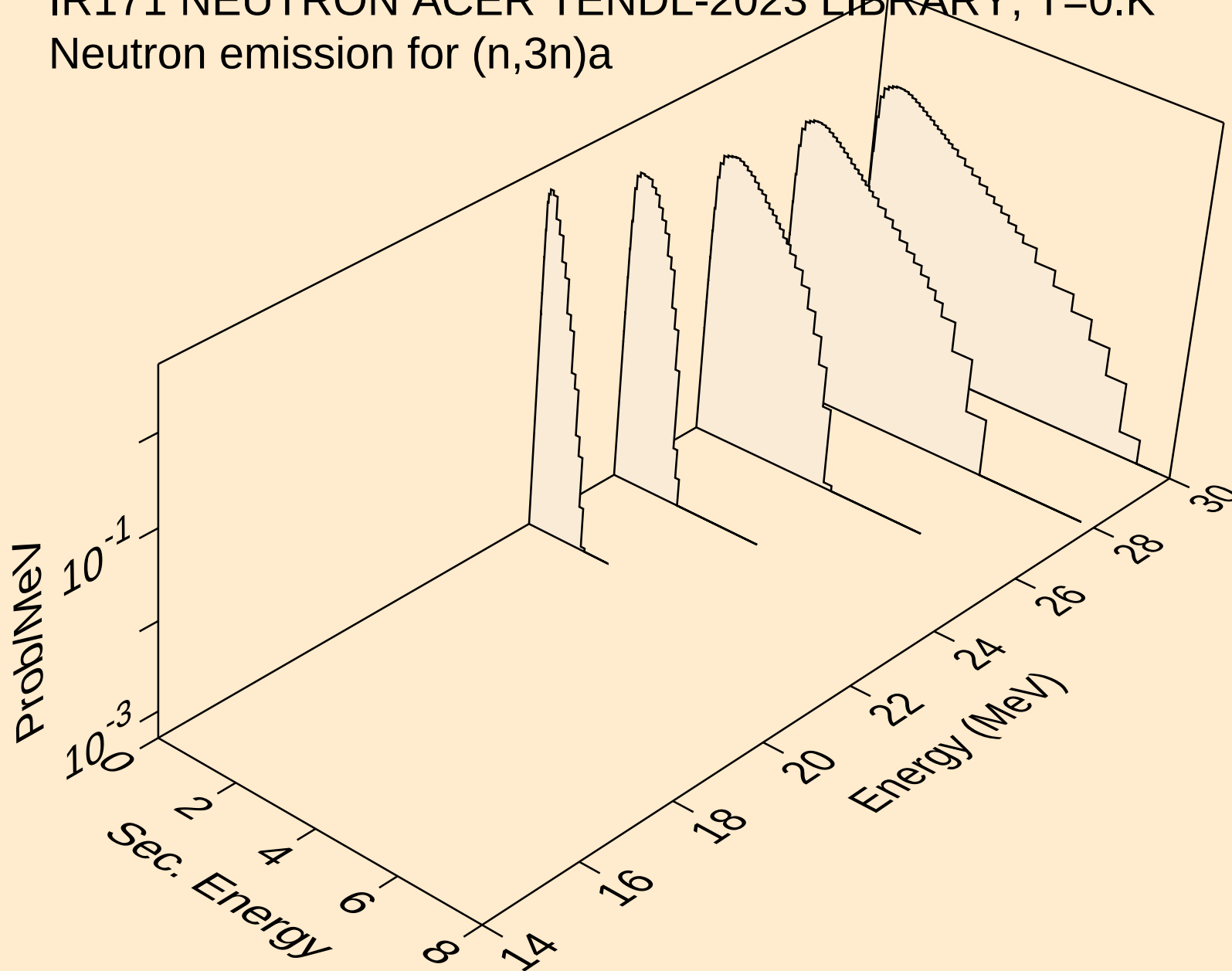
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)³a



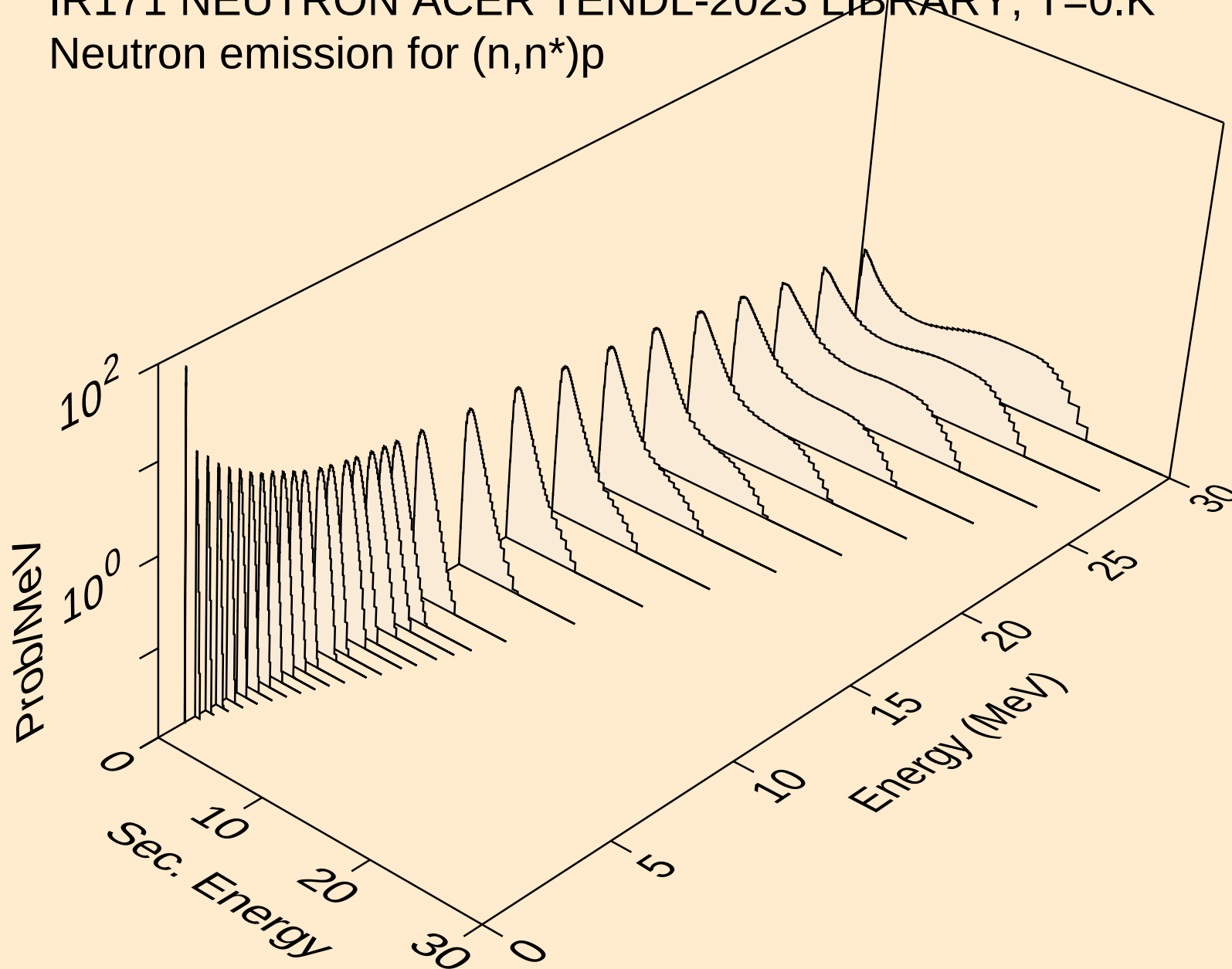
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



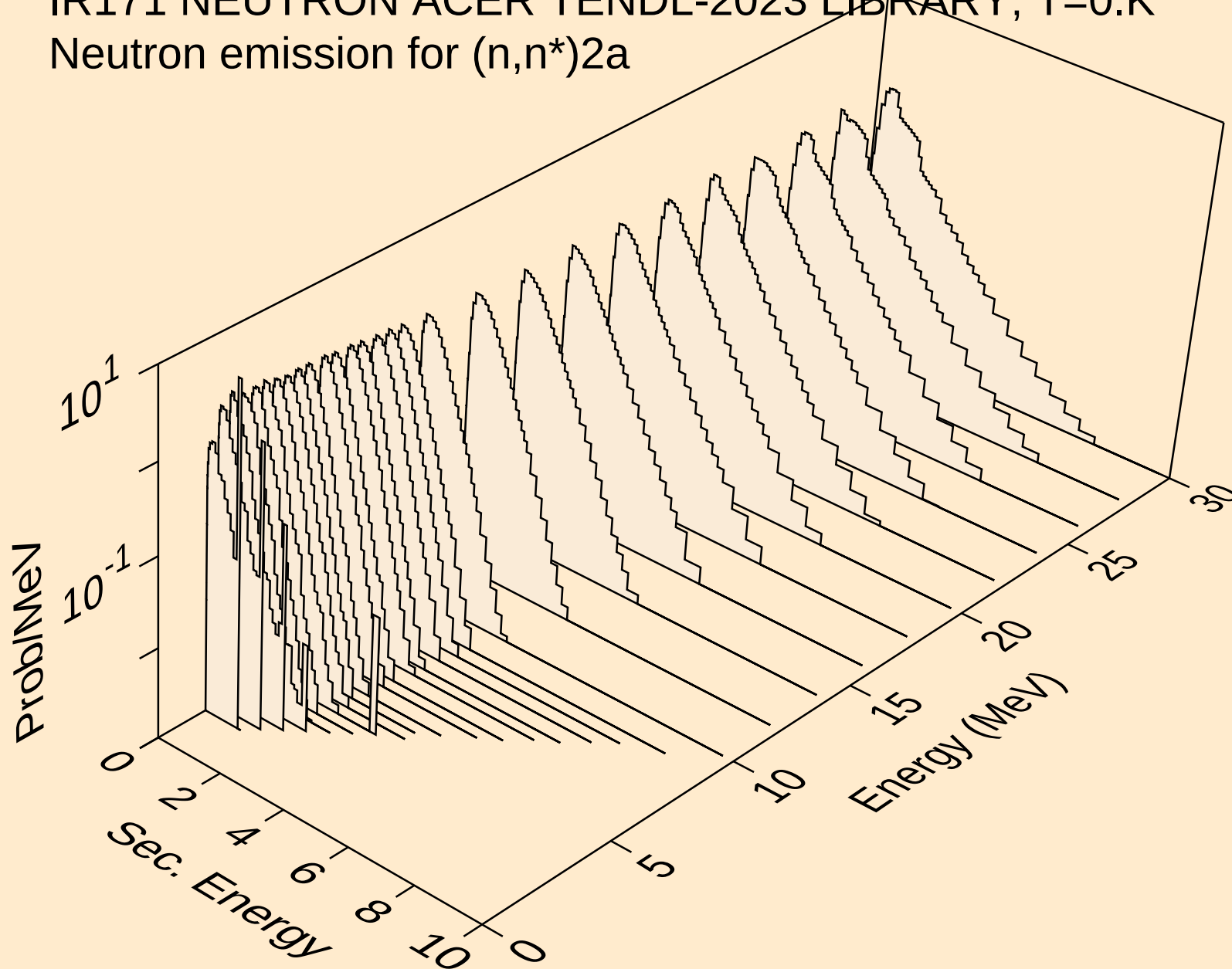
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



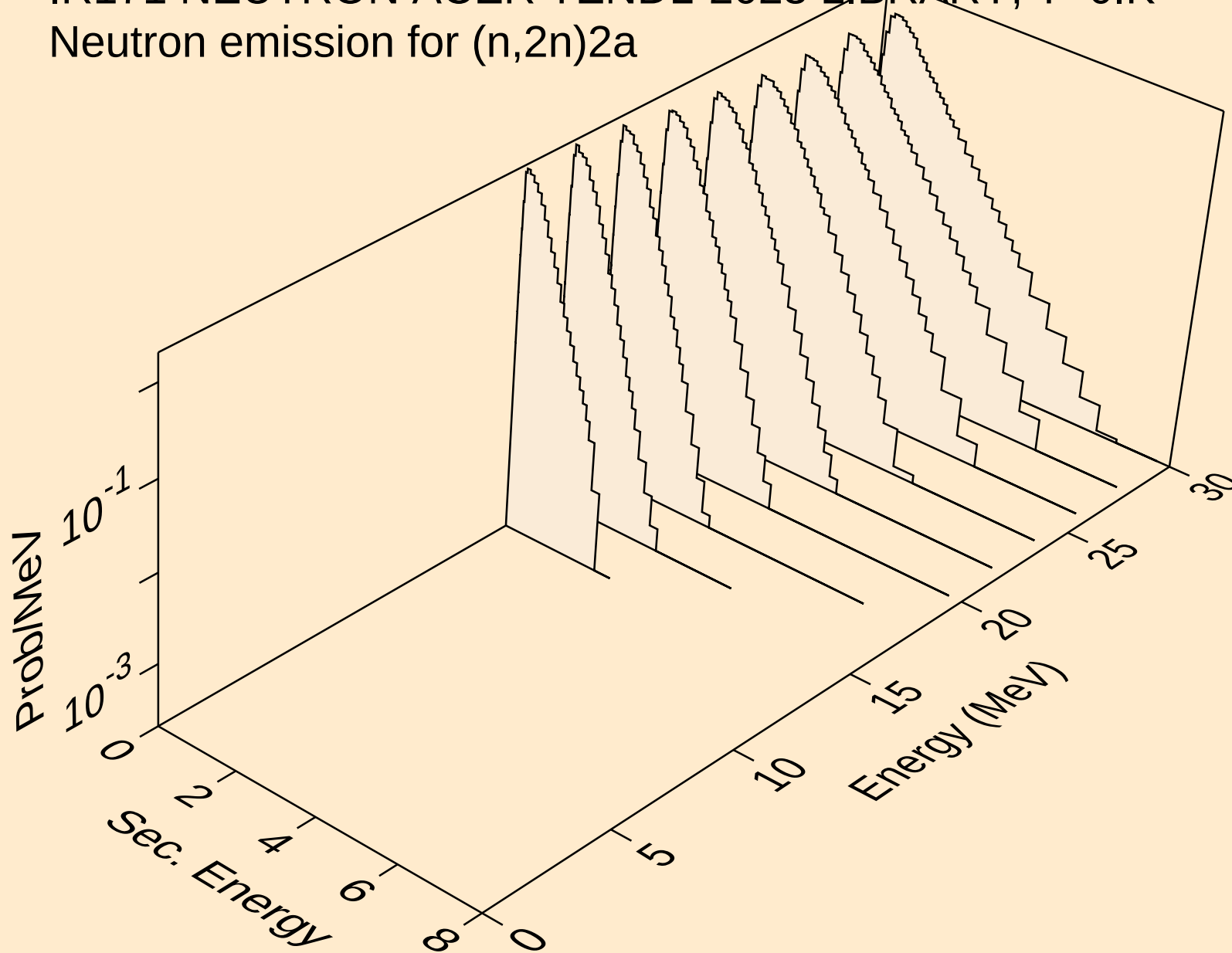
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



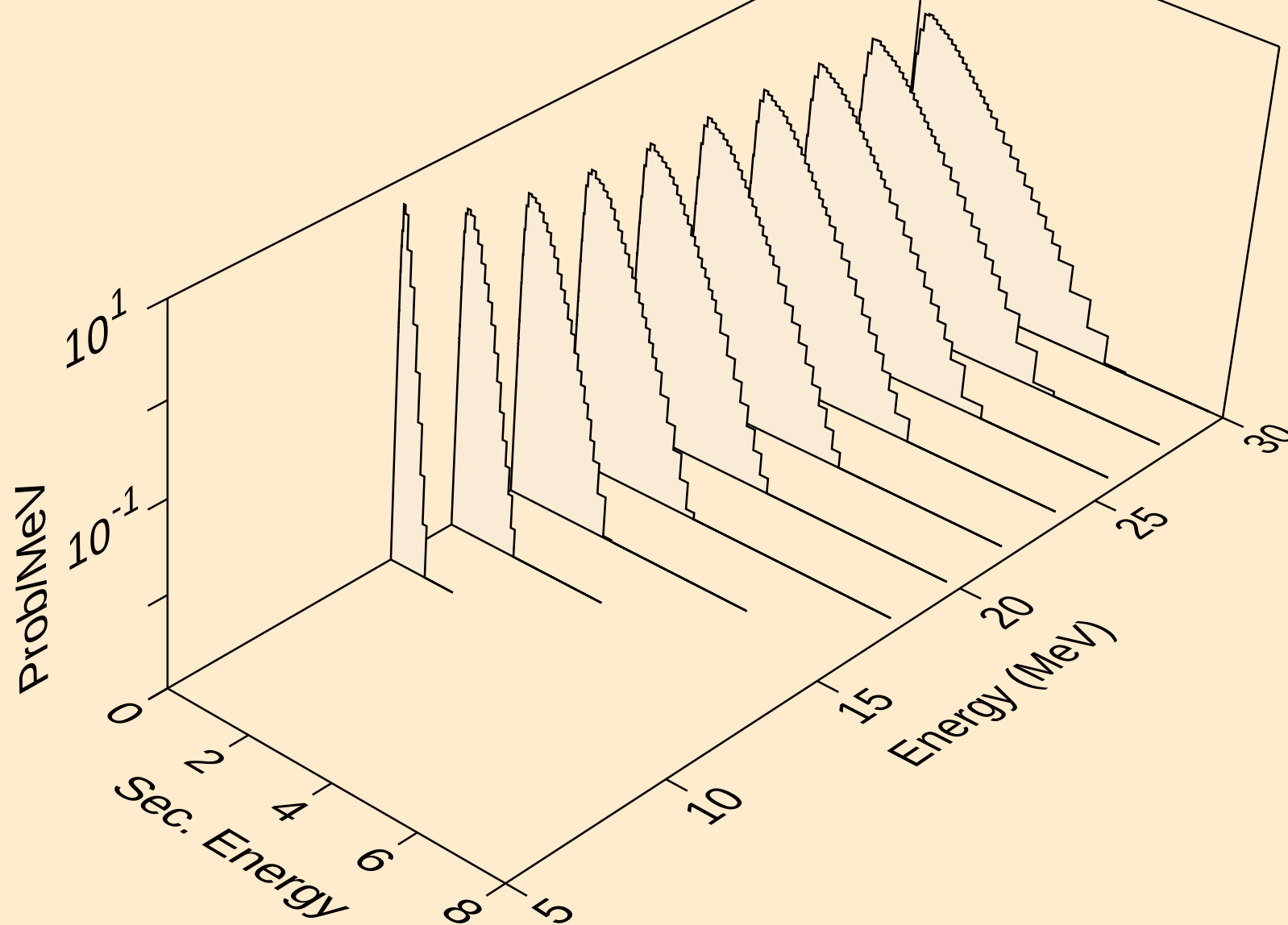
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a

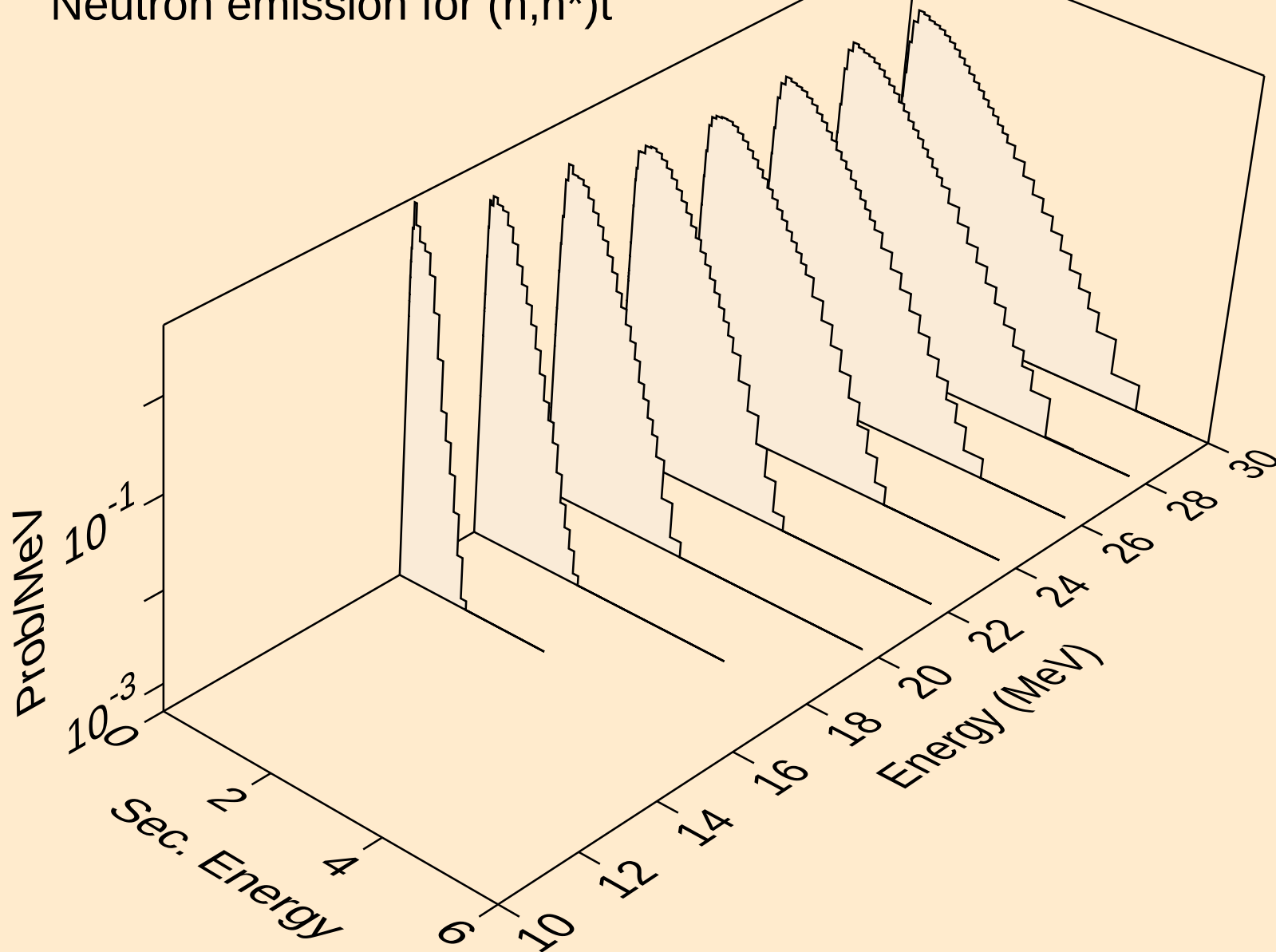


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d

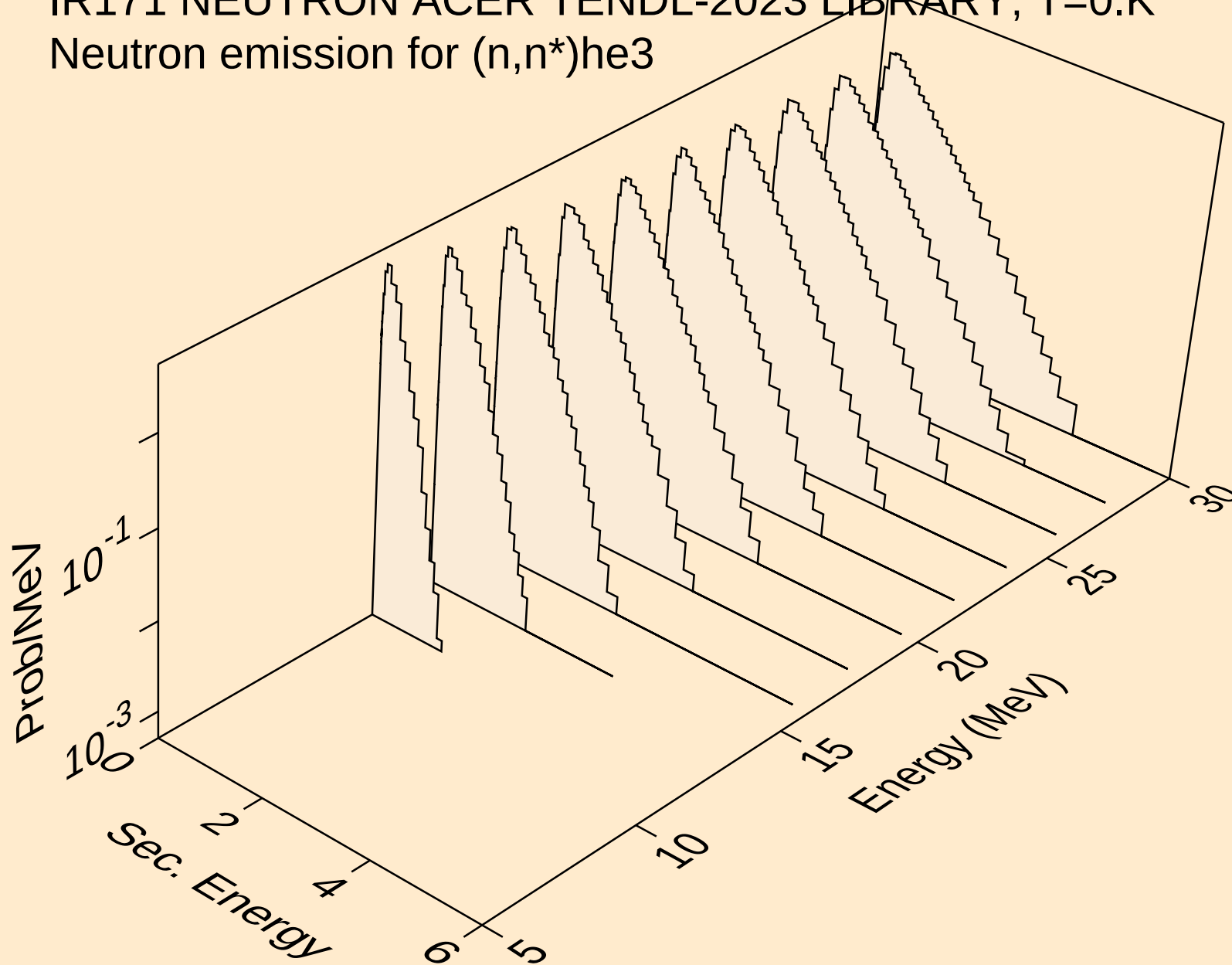


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

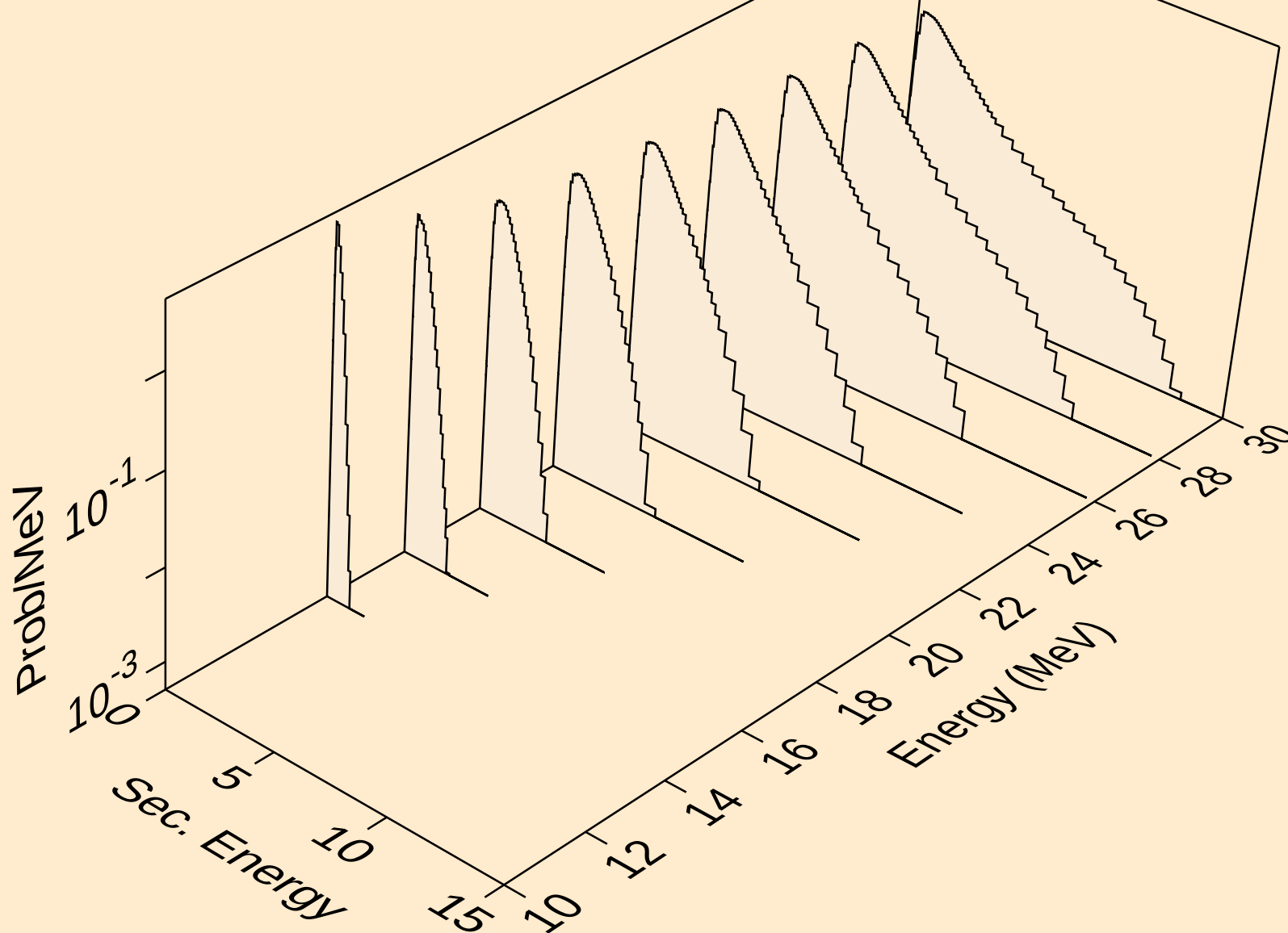
Neutron emission for (n,n*)t



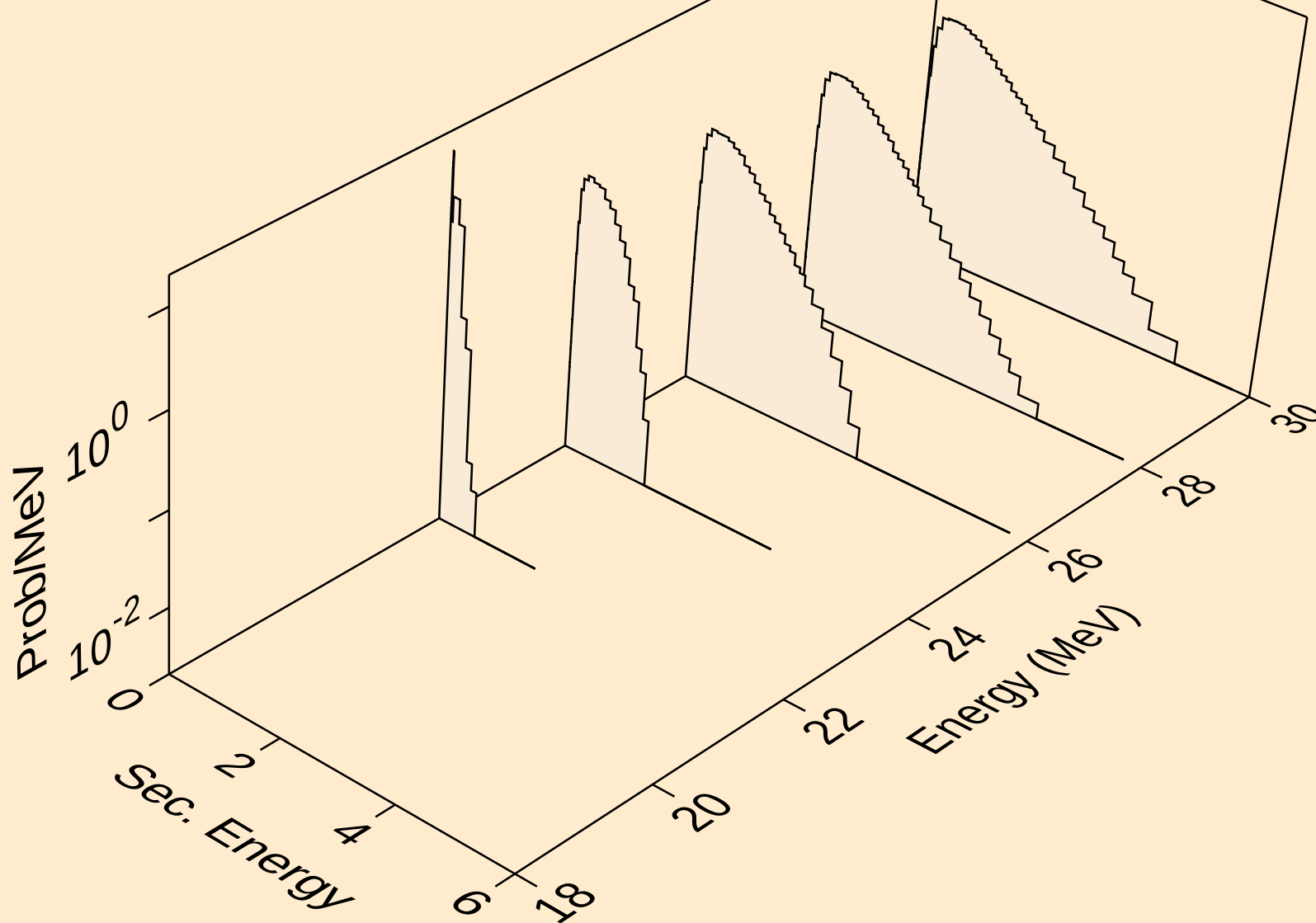
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



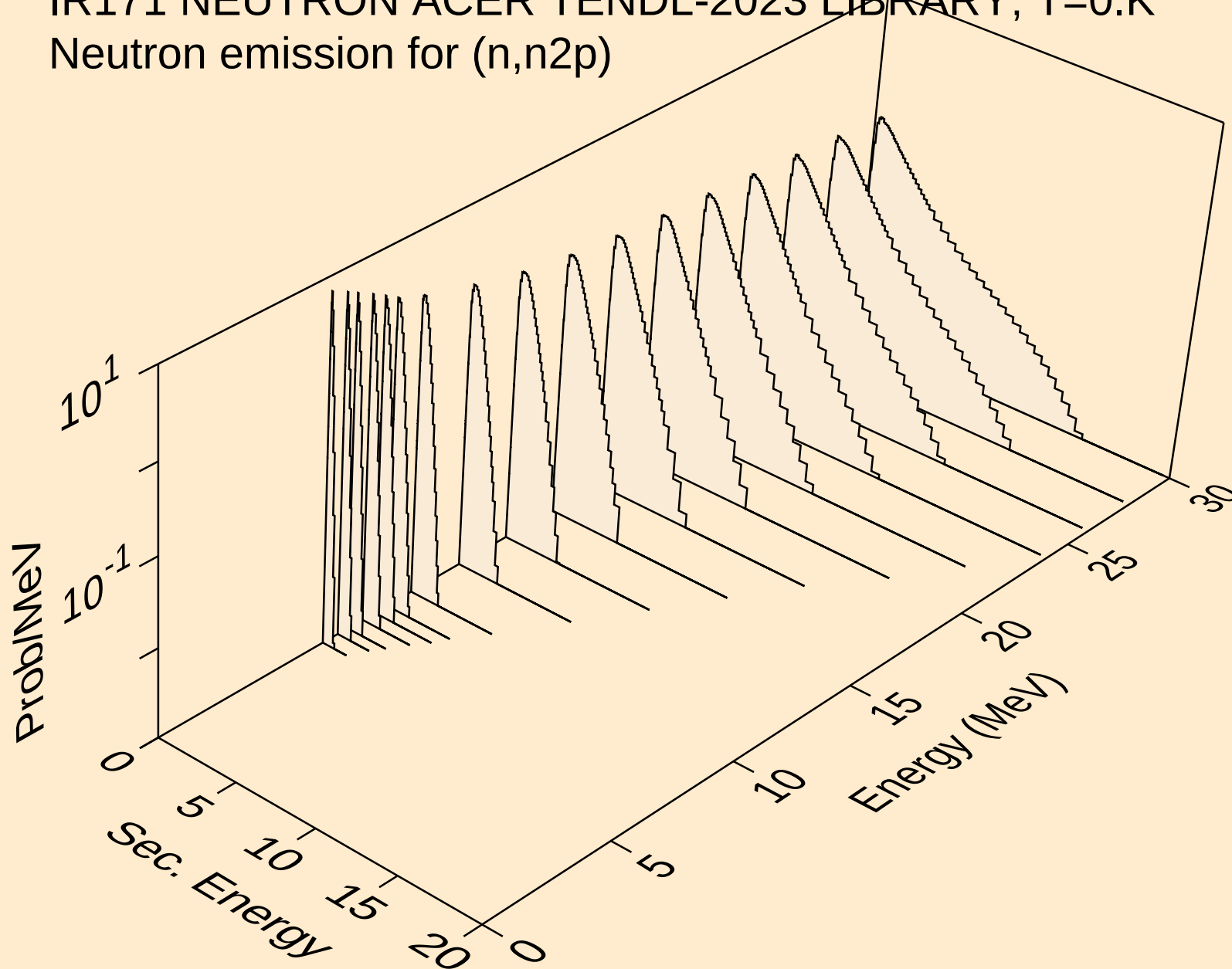
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



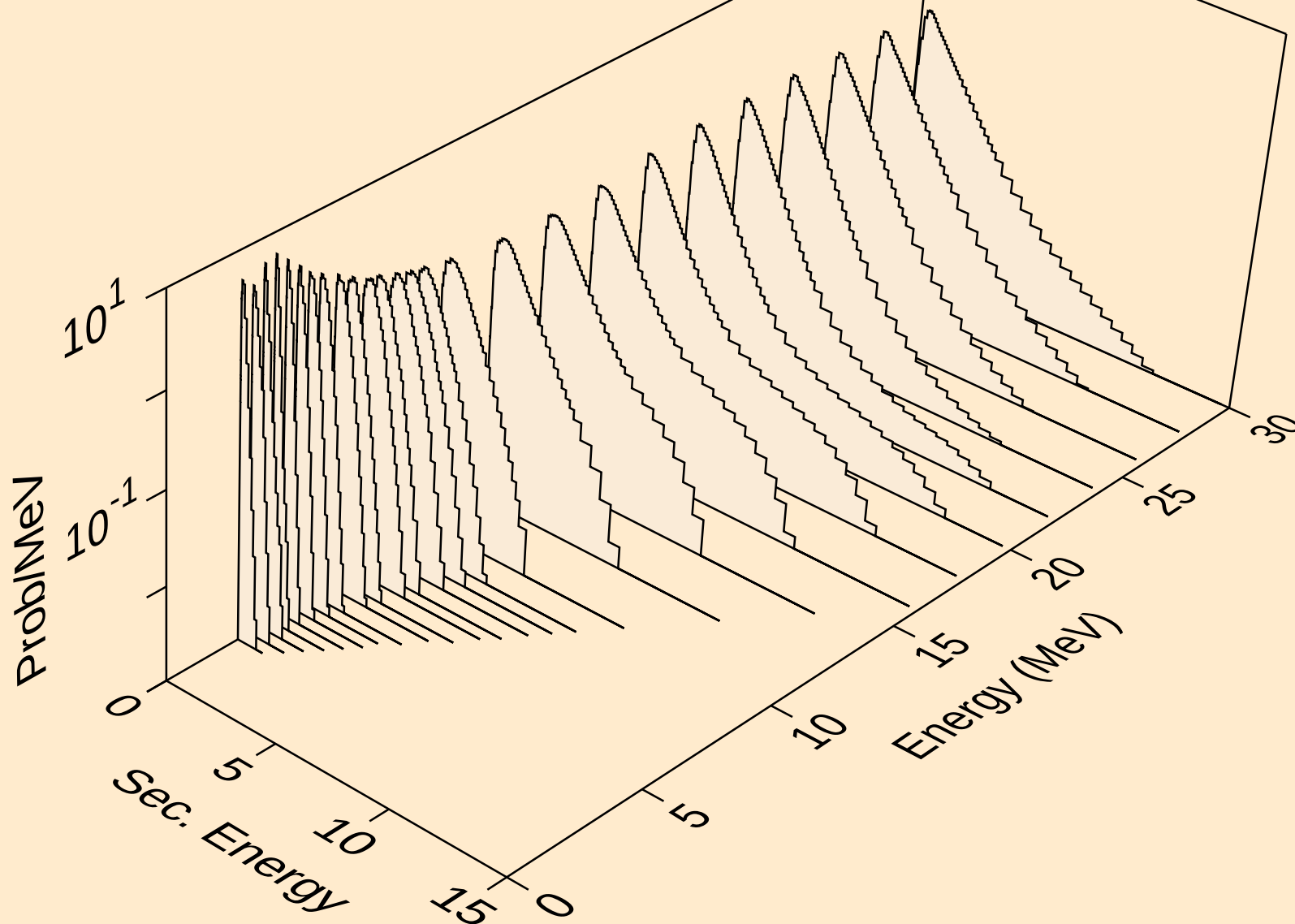
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



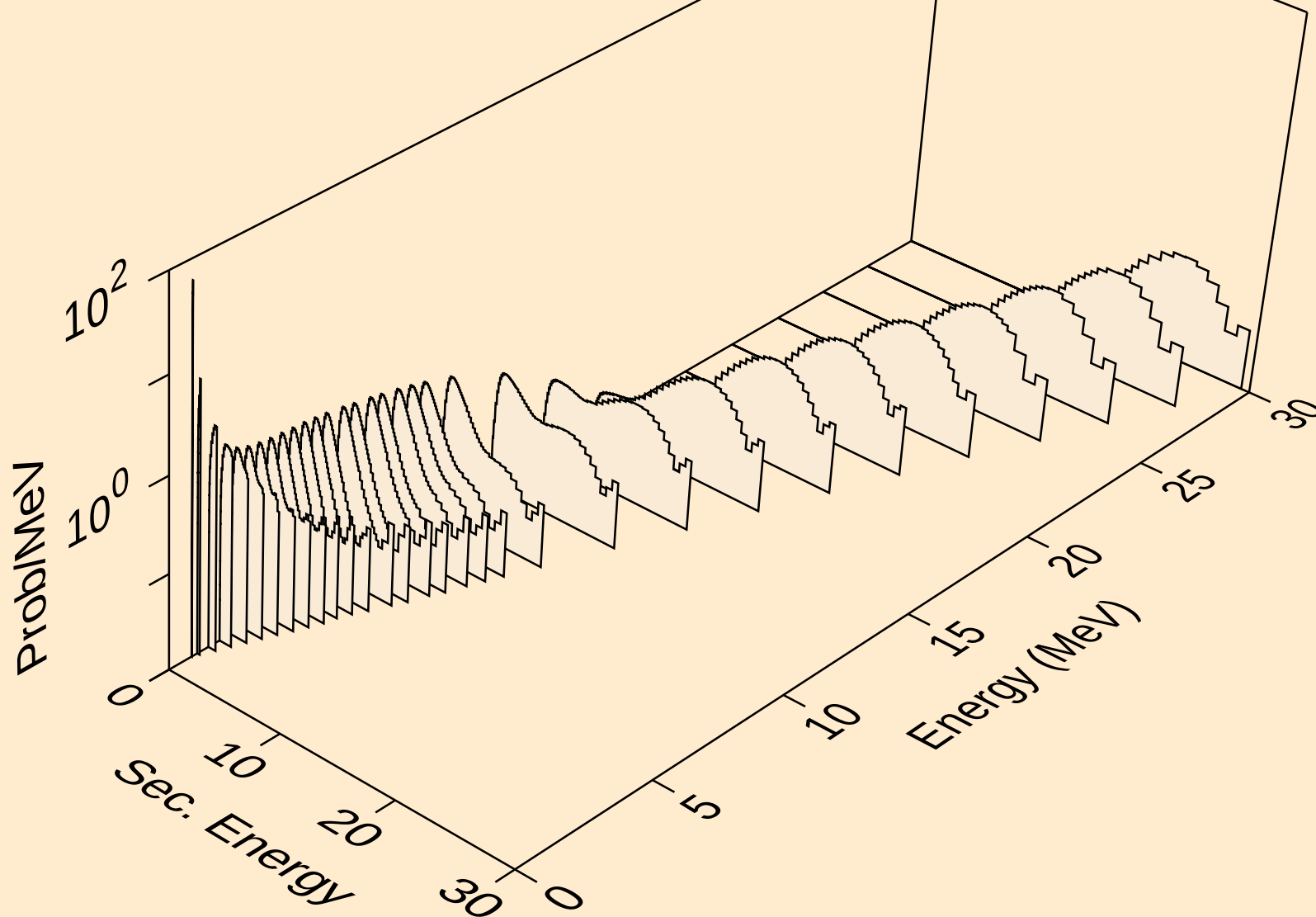
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



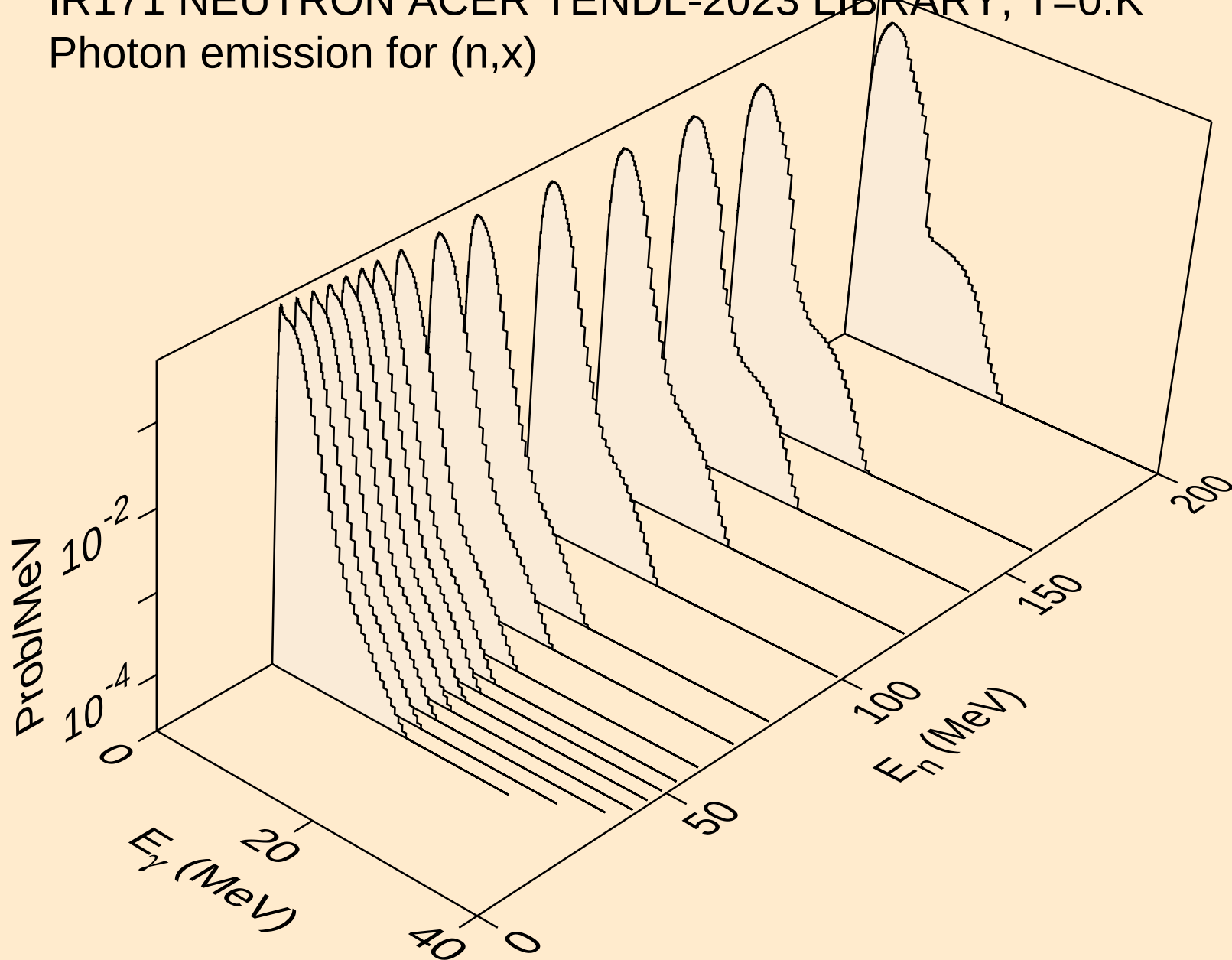
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



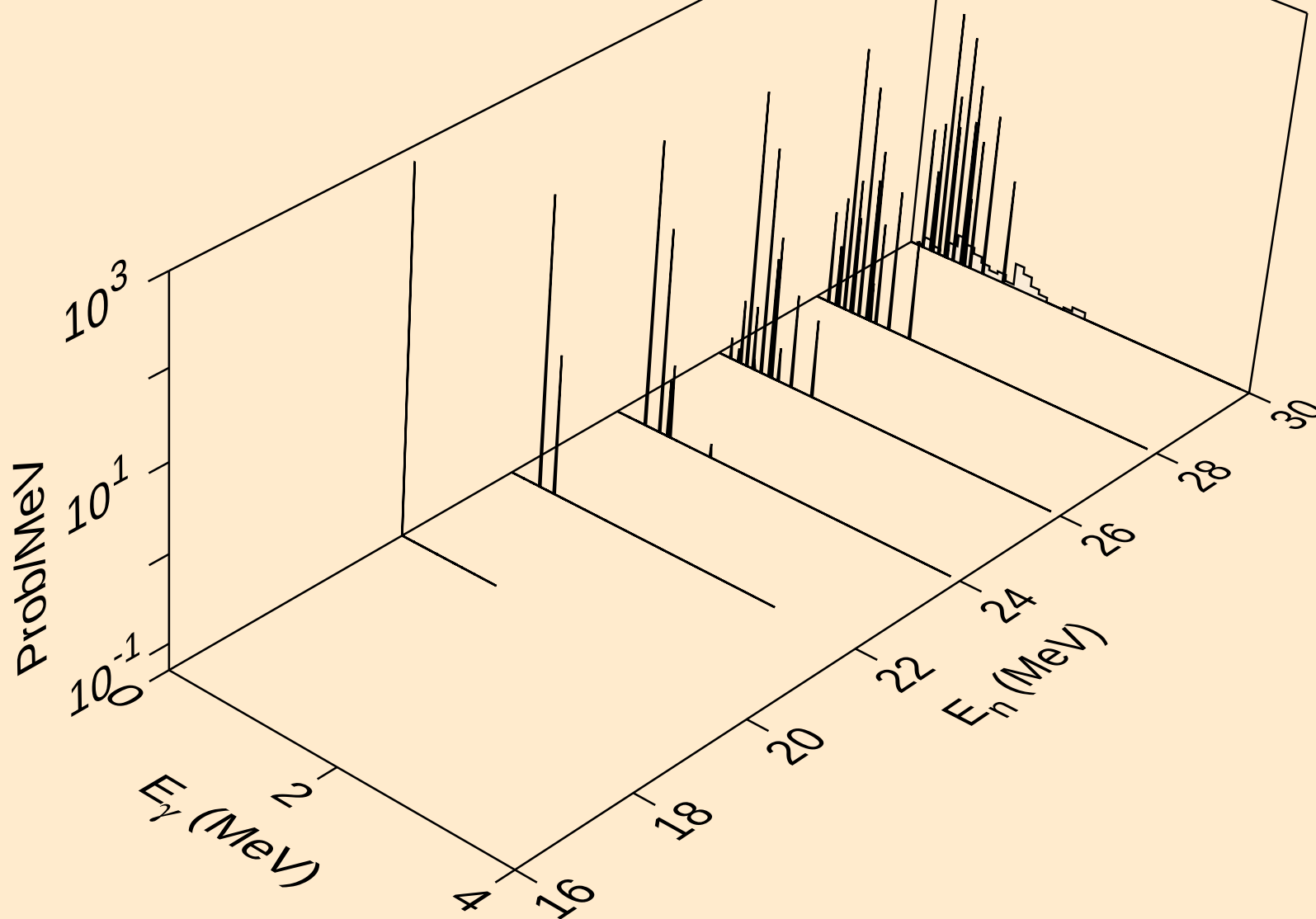
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



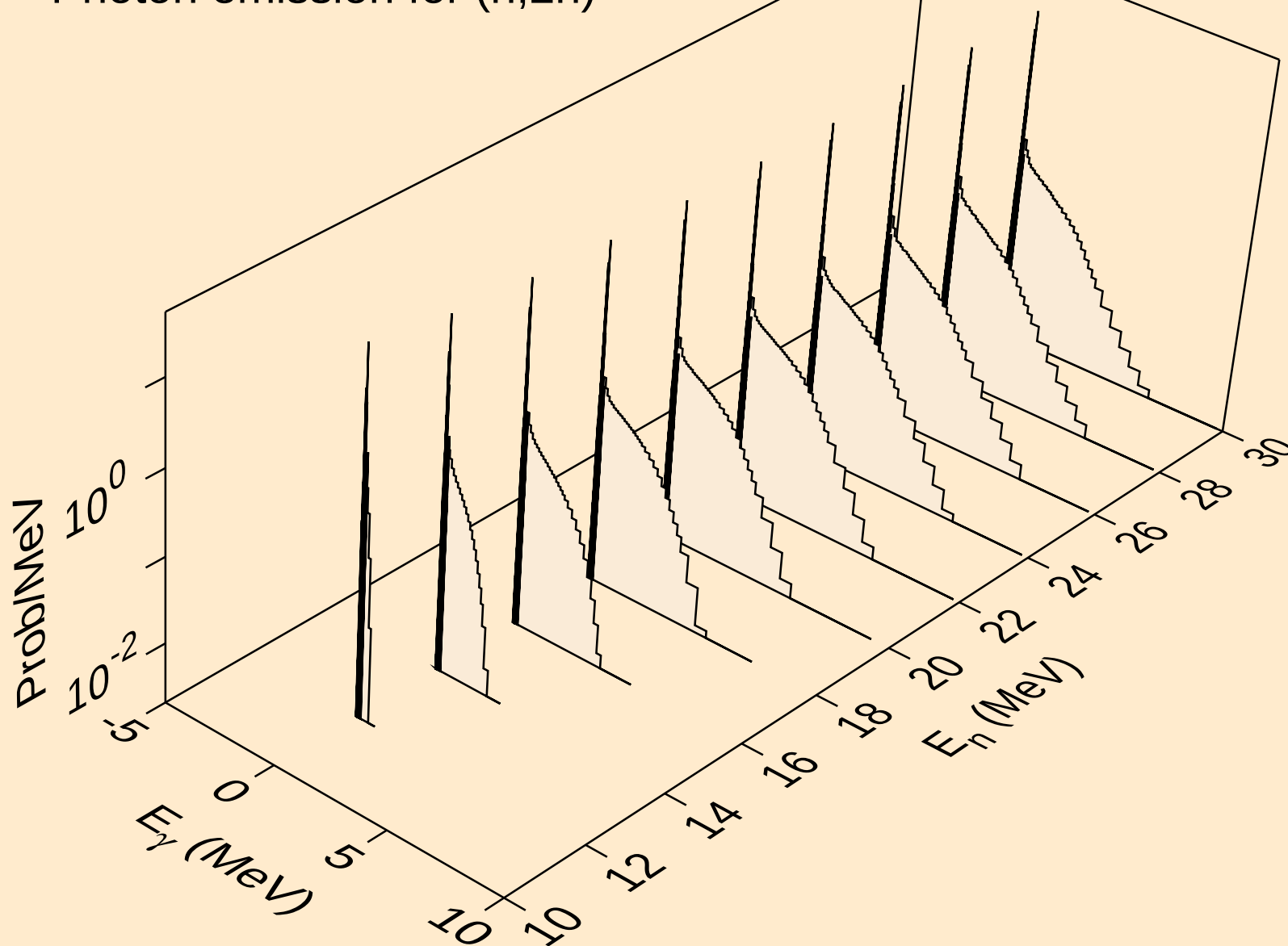
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



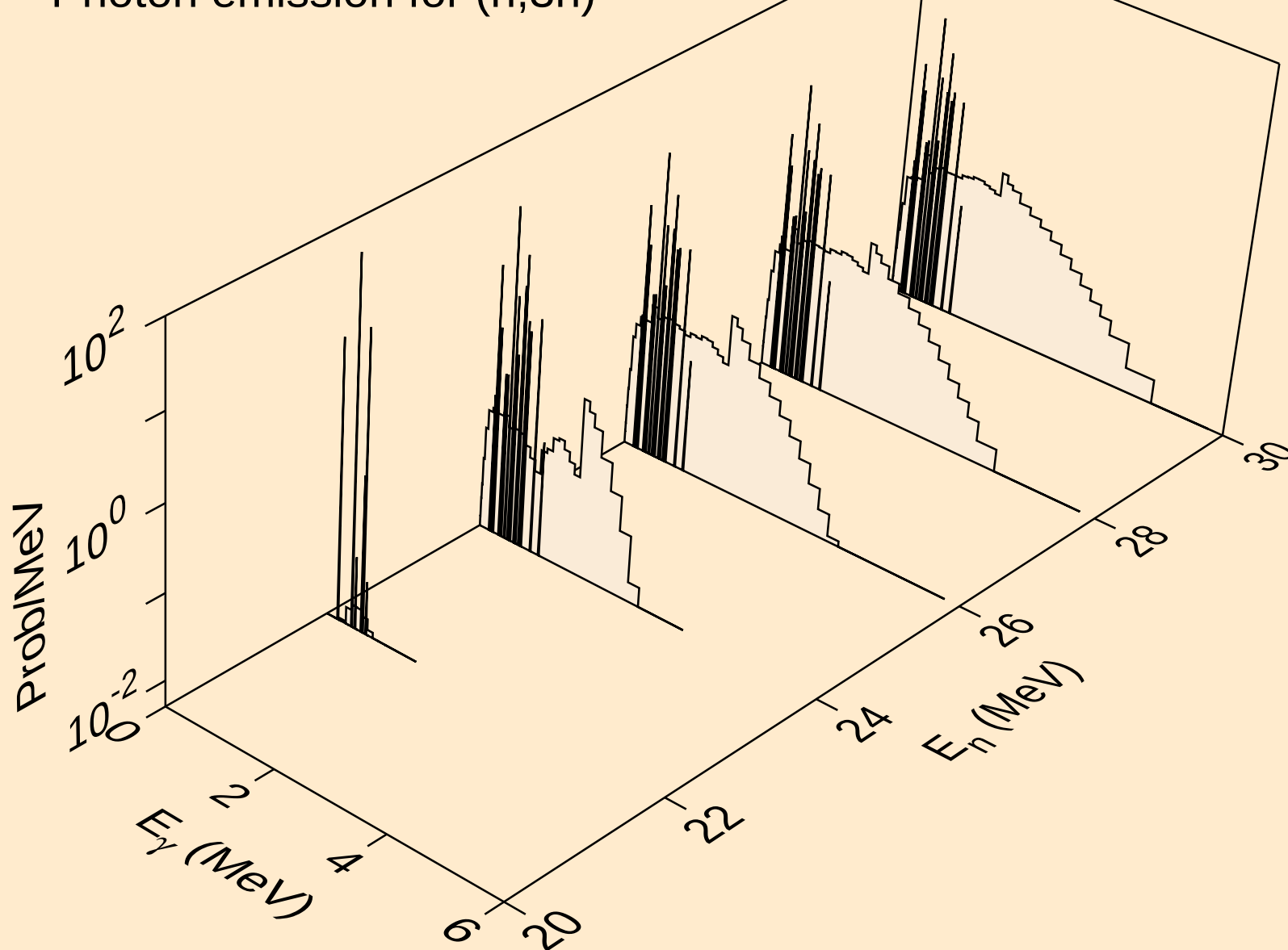
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



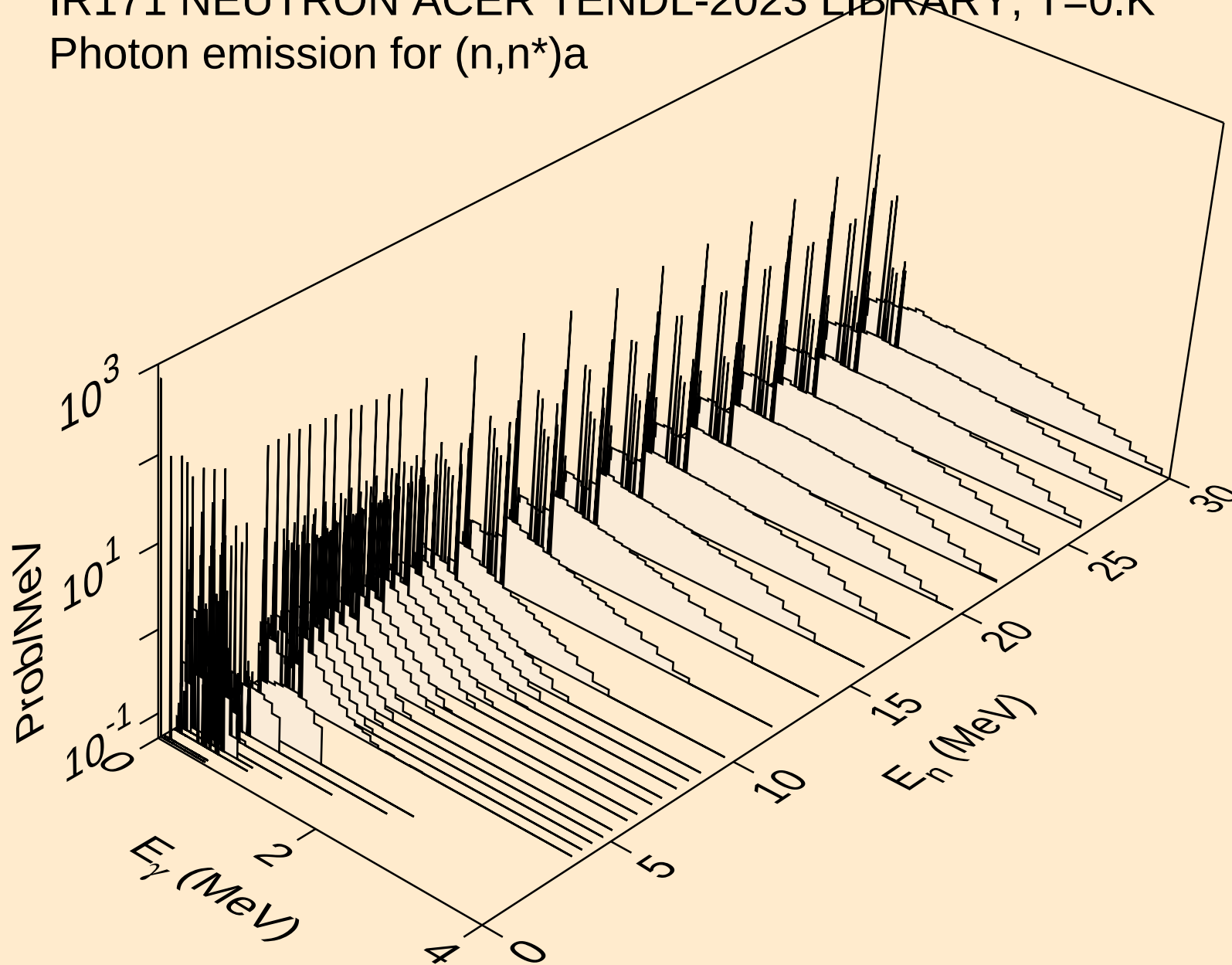
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

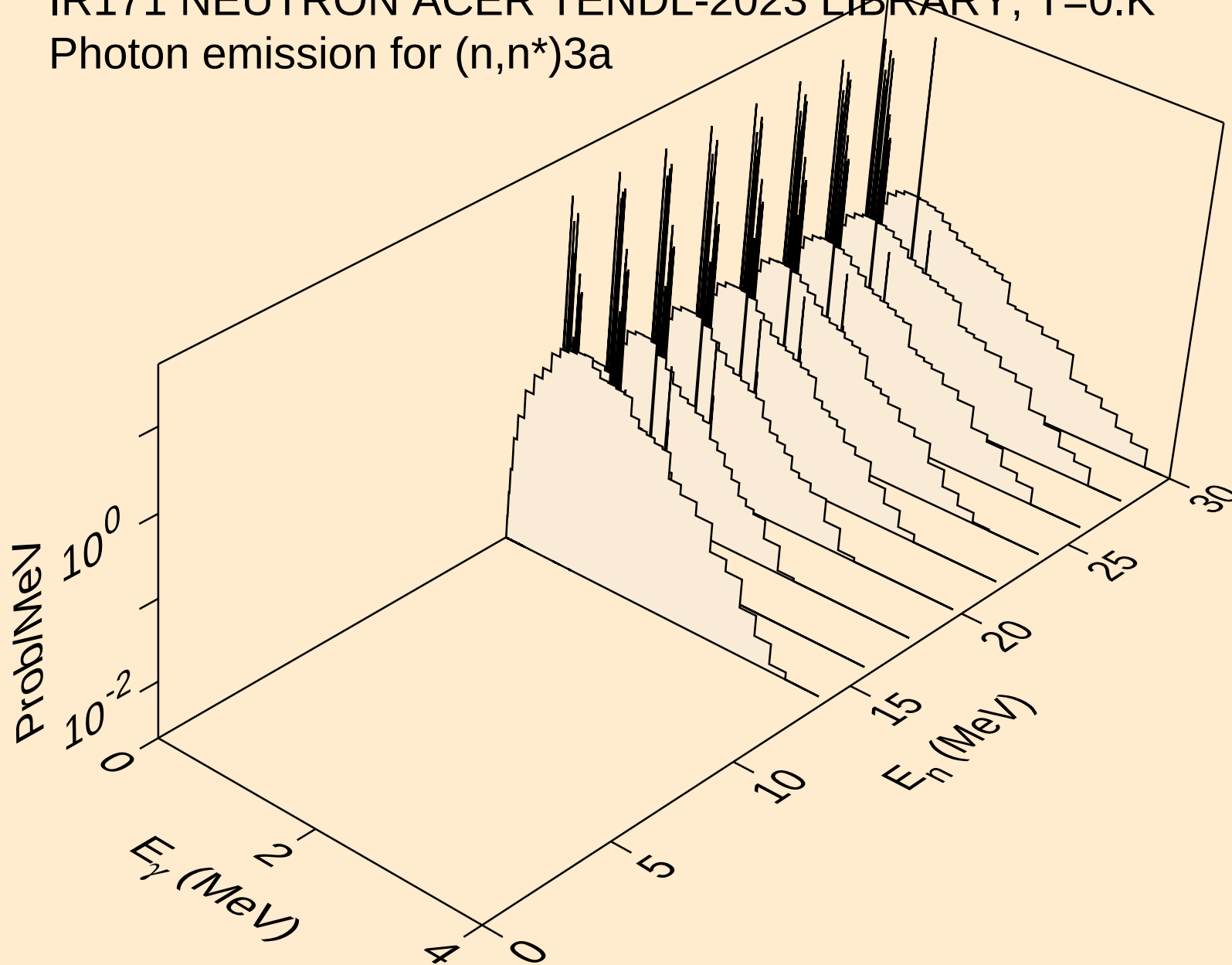


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



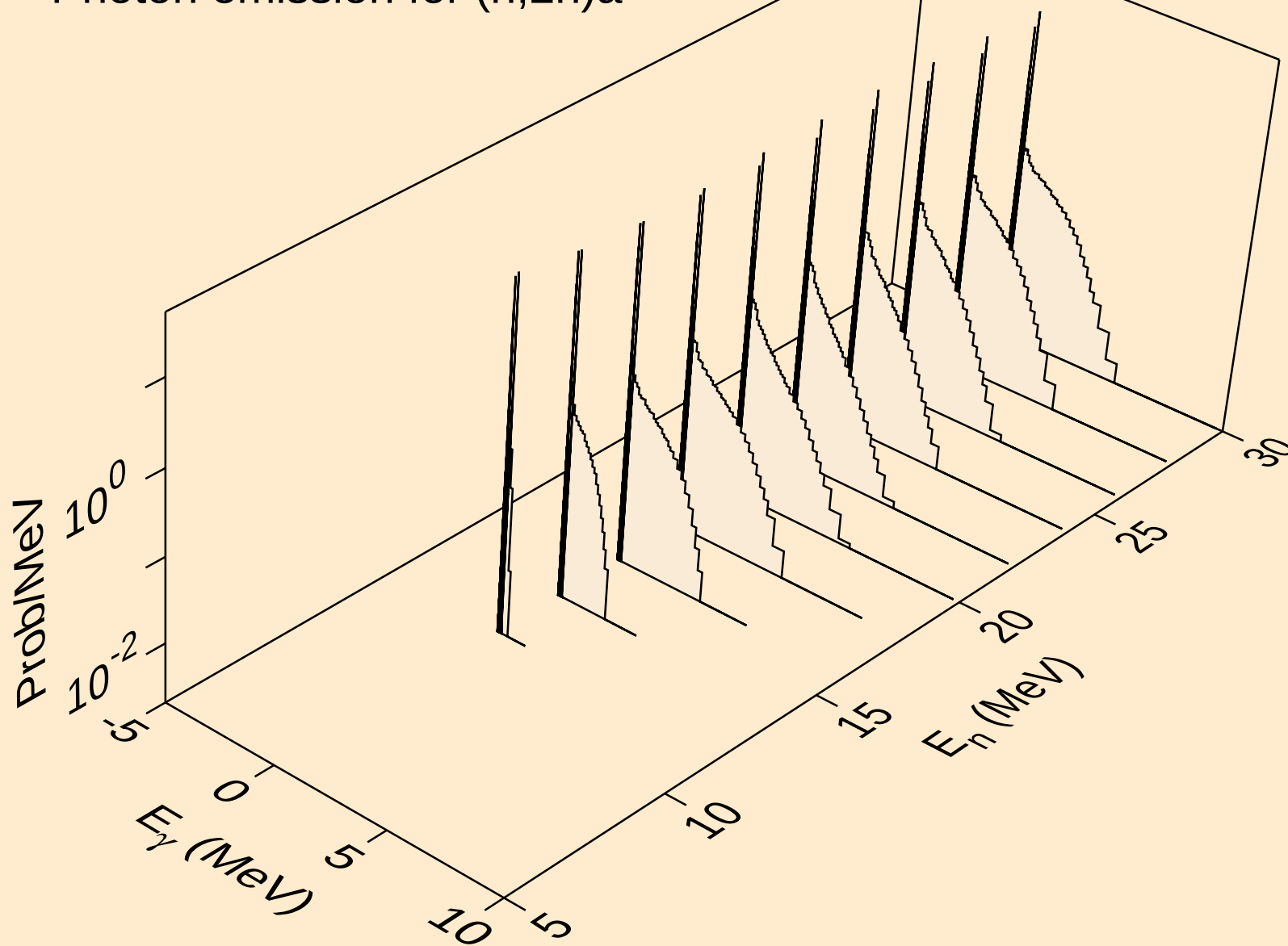
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)³a



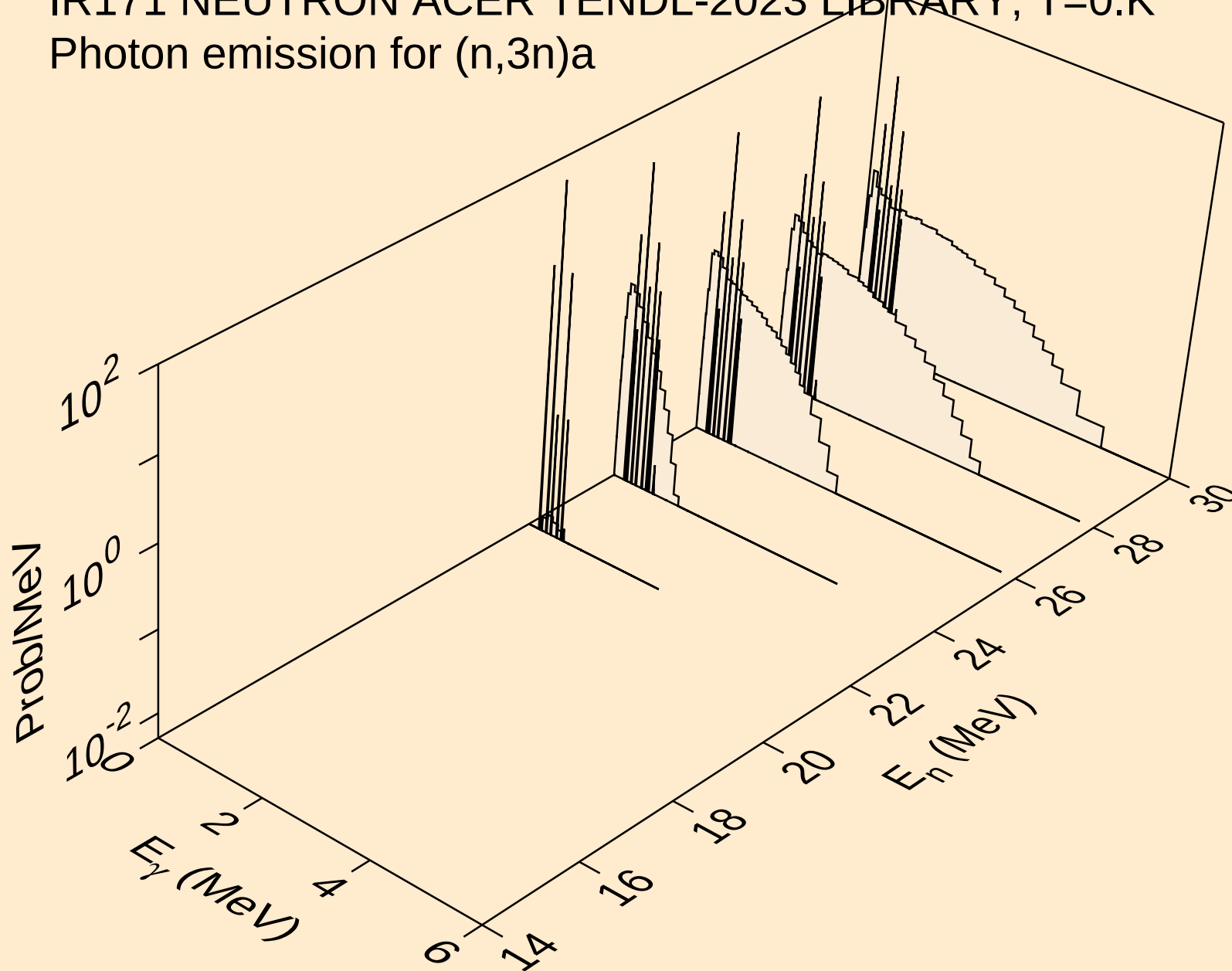
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n) α



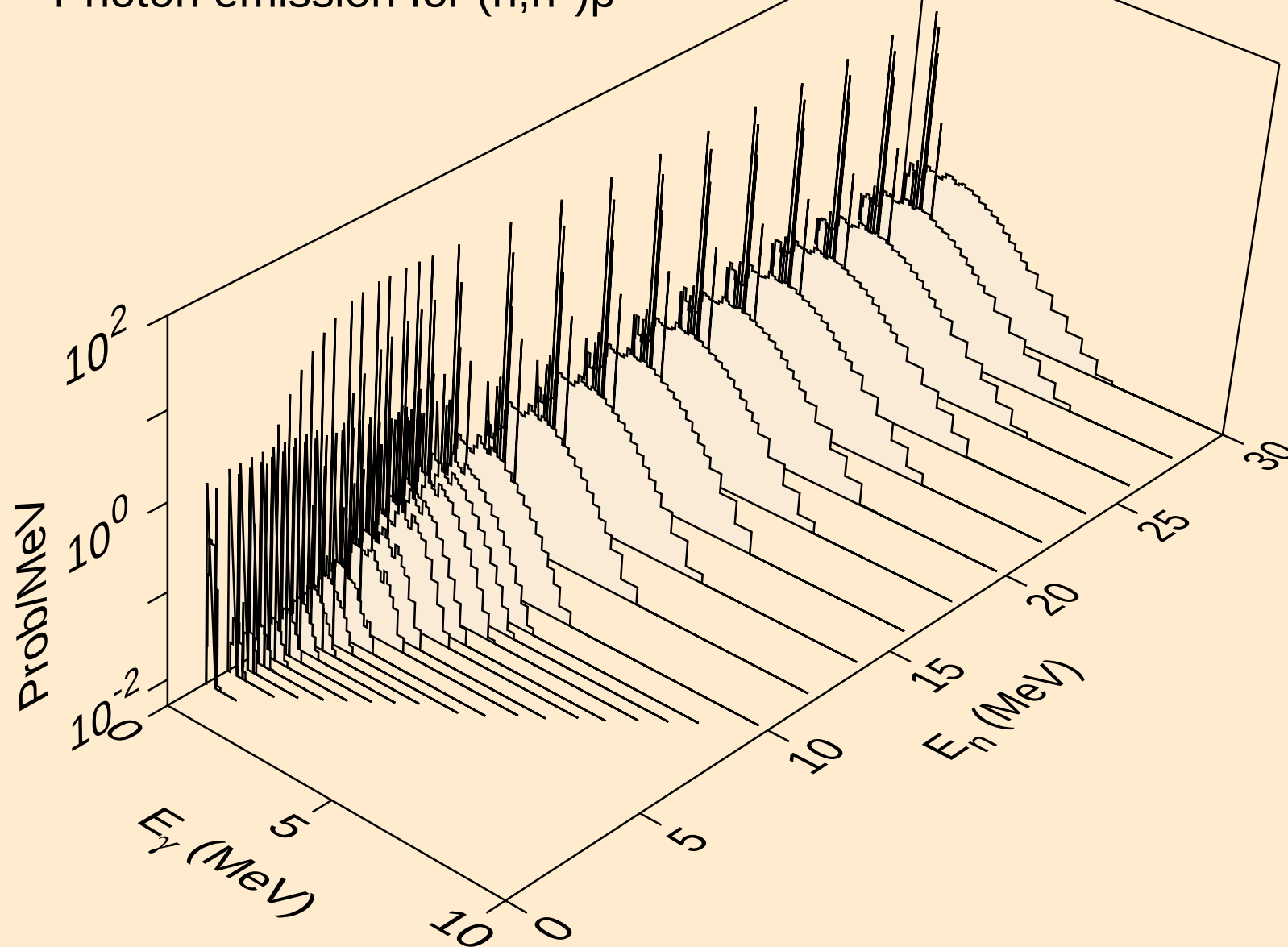
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Photon emission for (n,3n) α

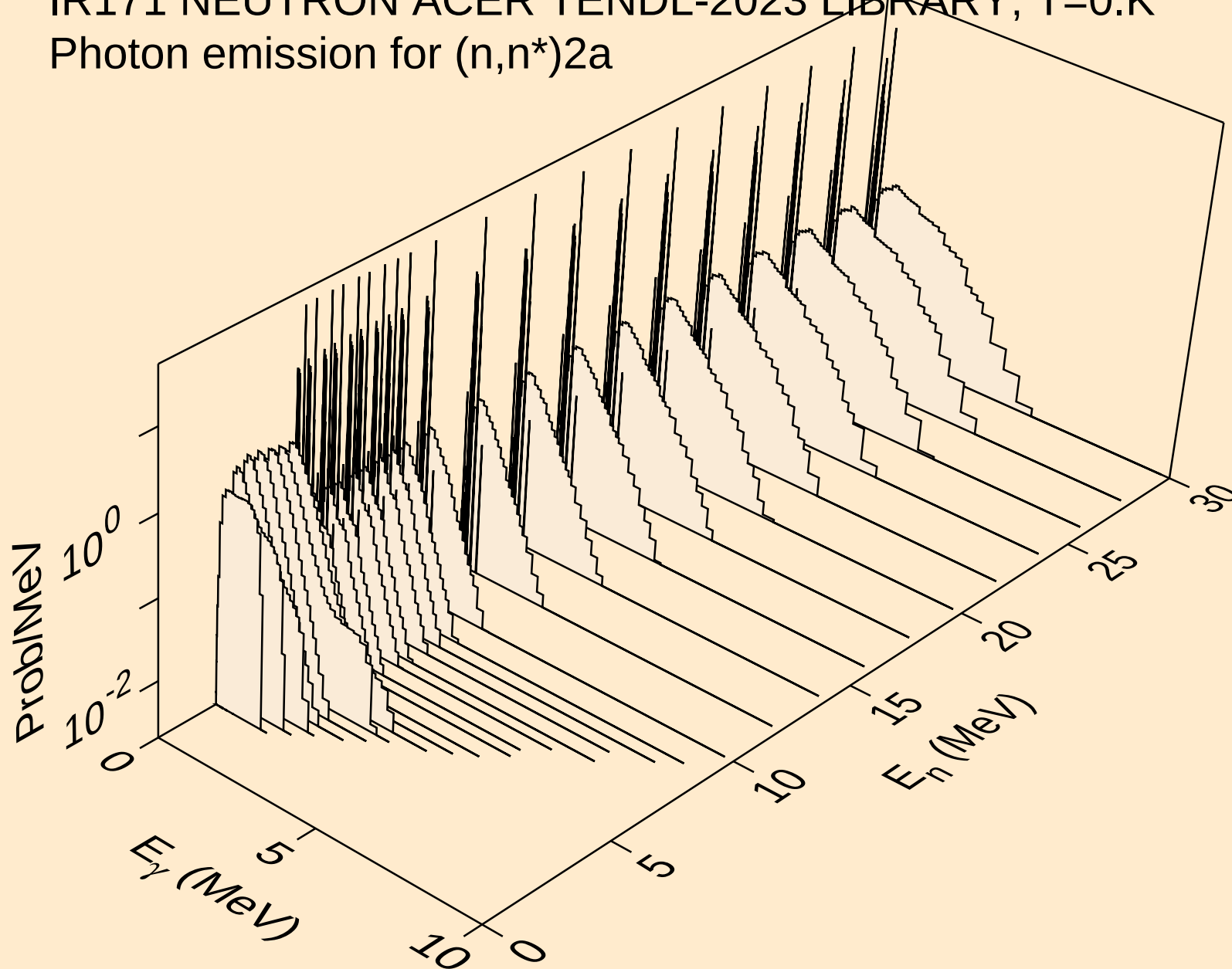


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)p

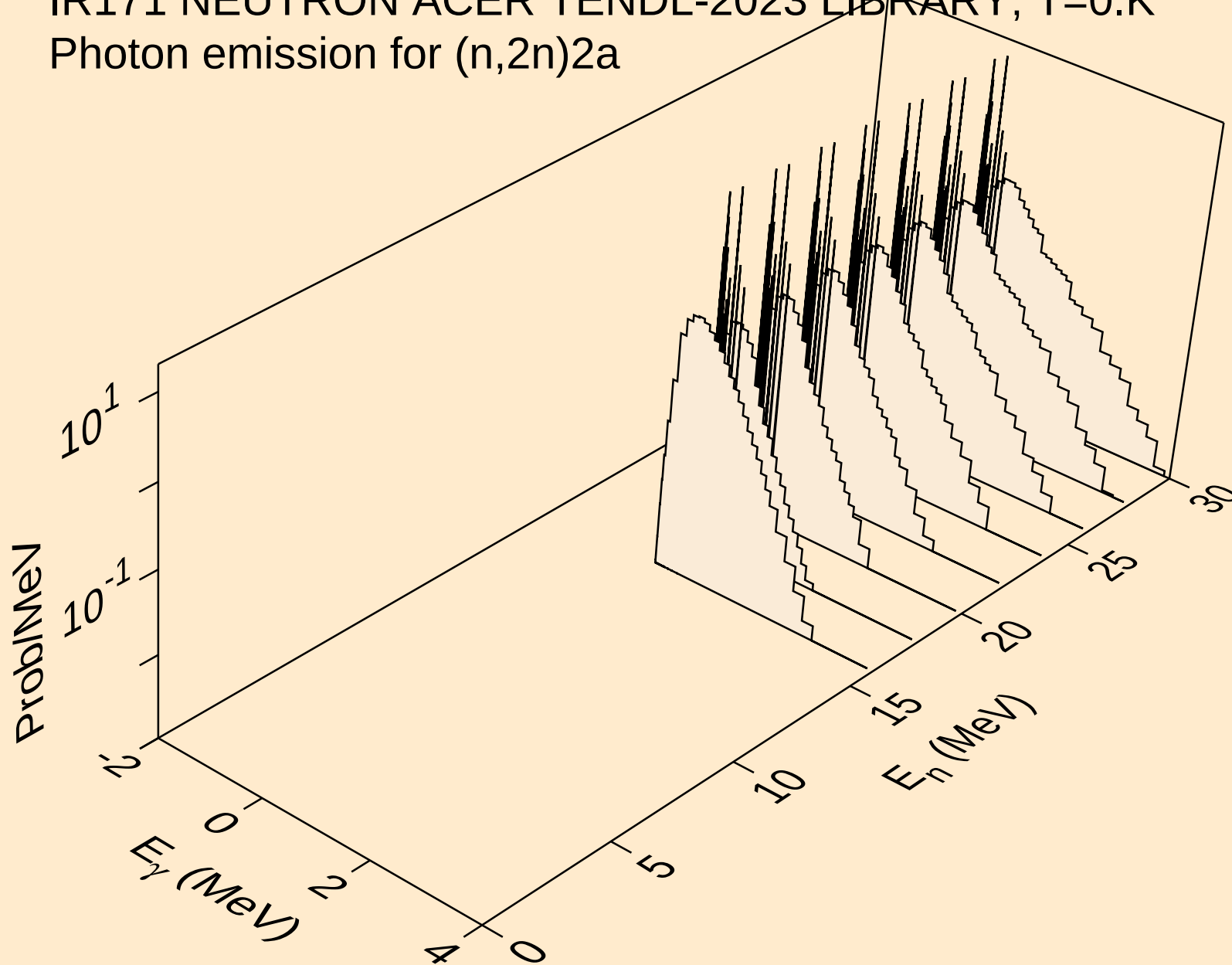


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



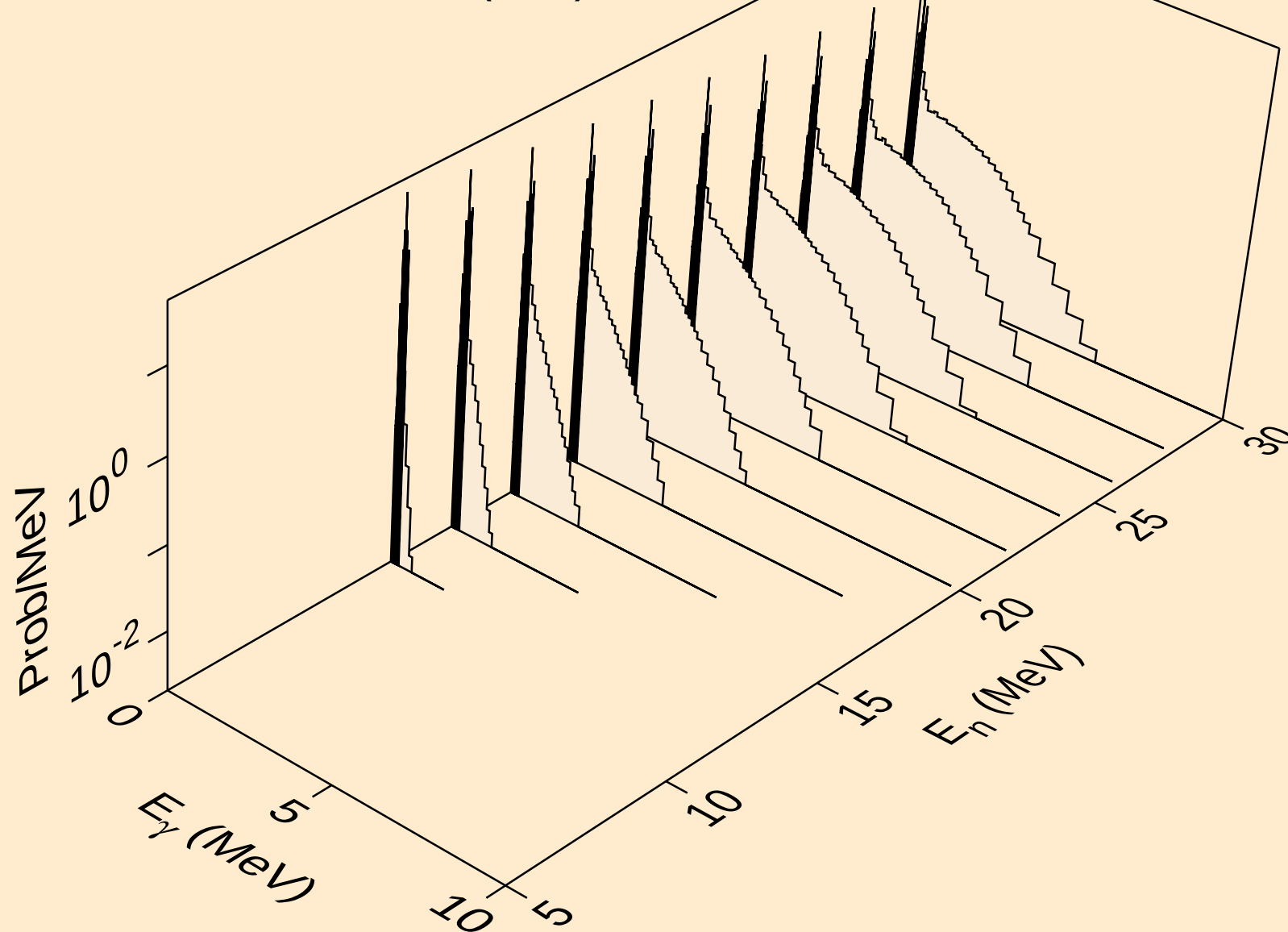
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)2a



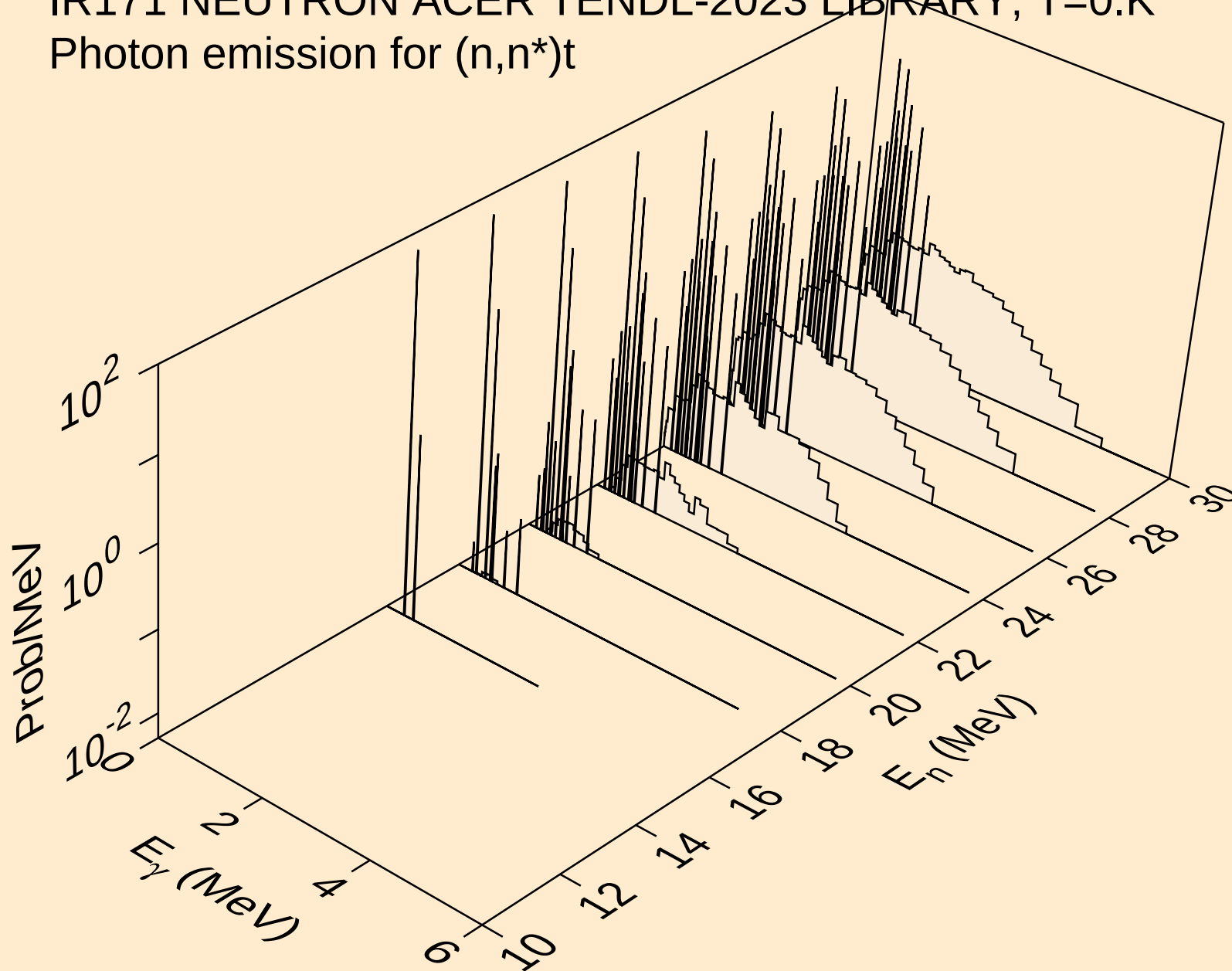
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

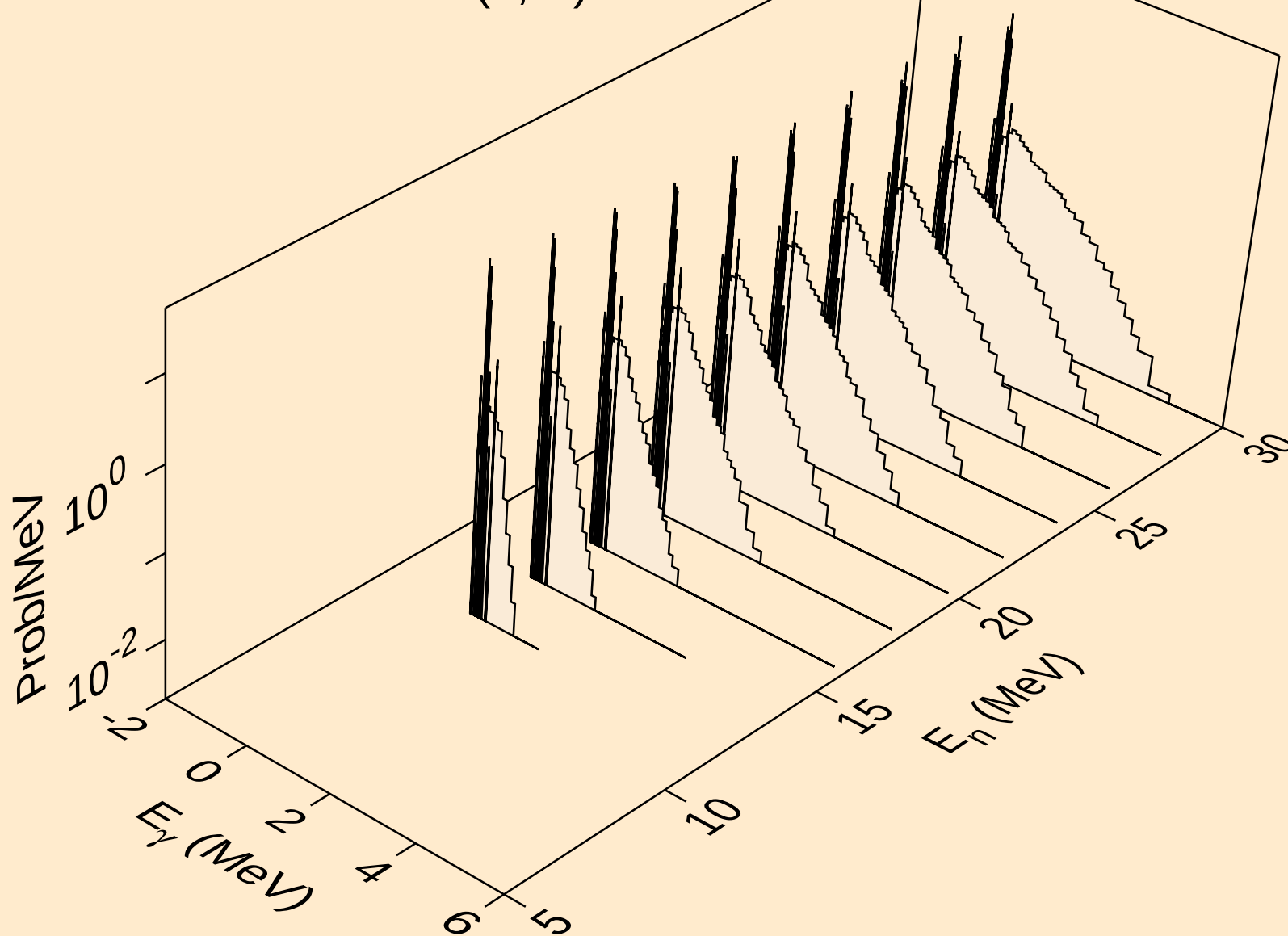


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

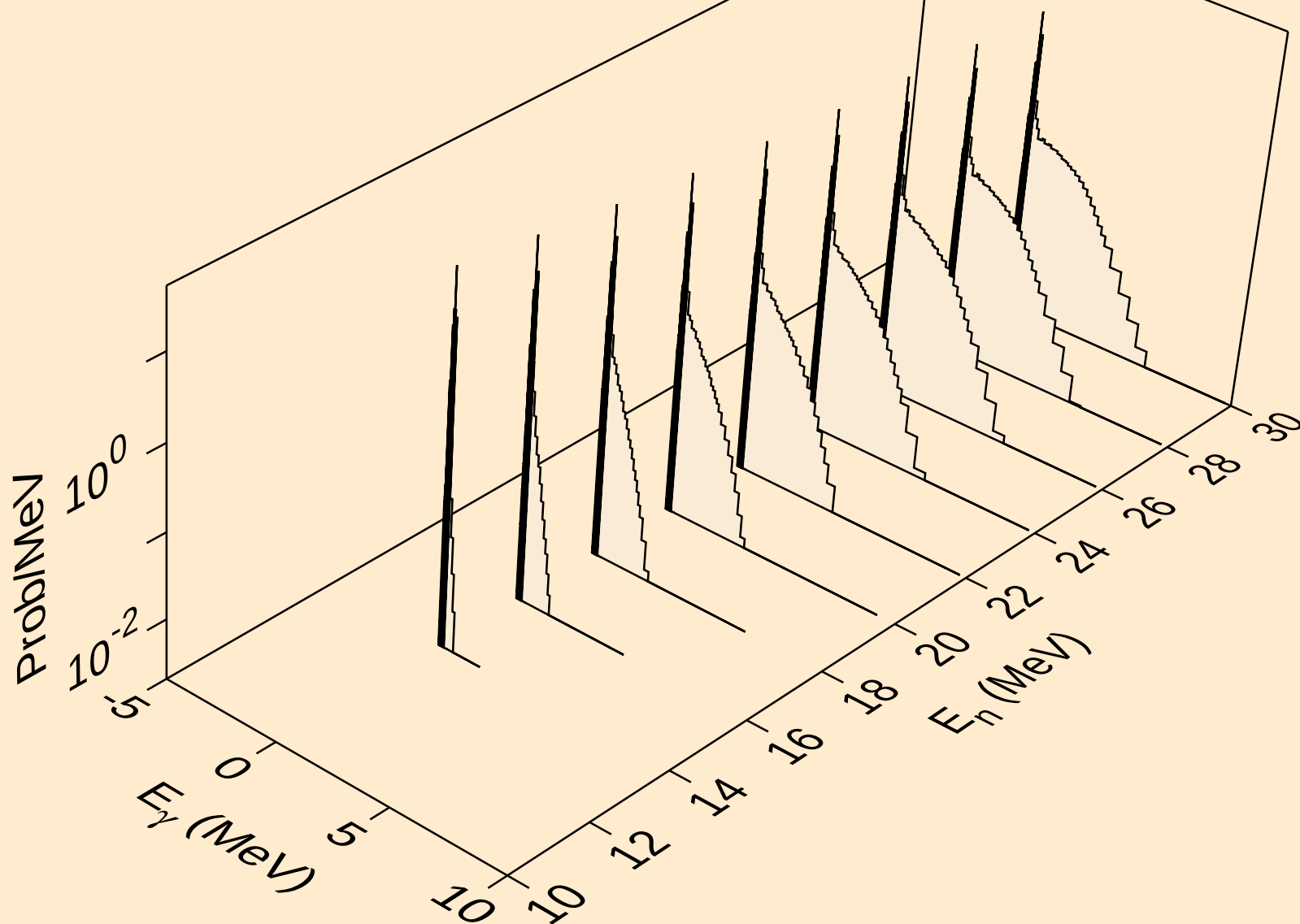
Photon emission for (n,n*)t



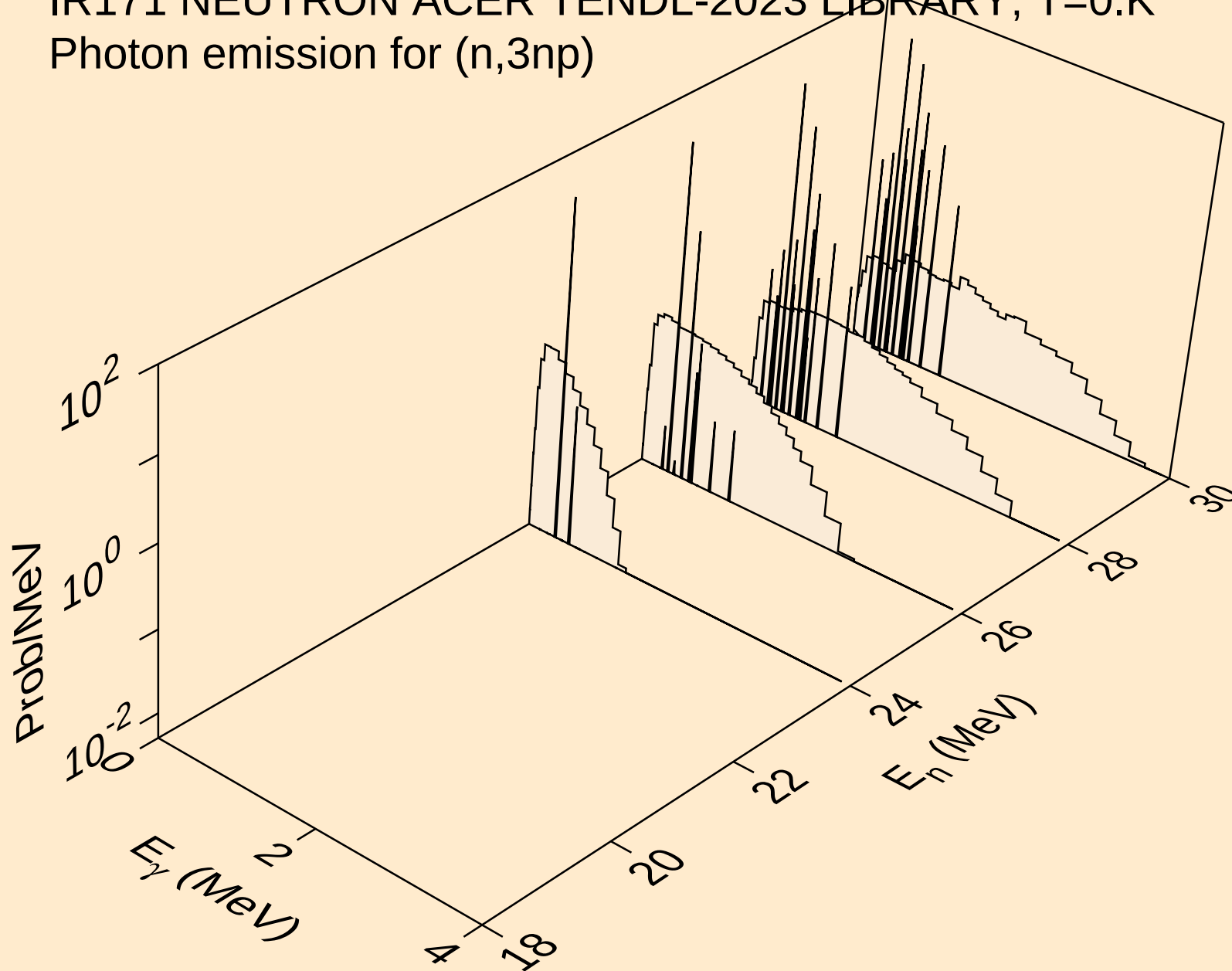
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



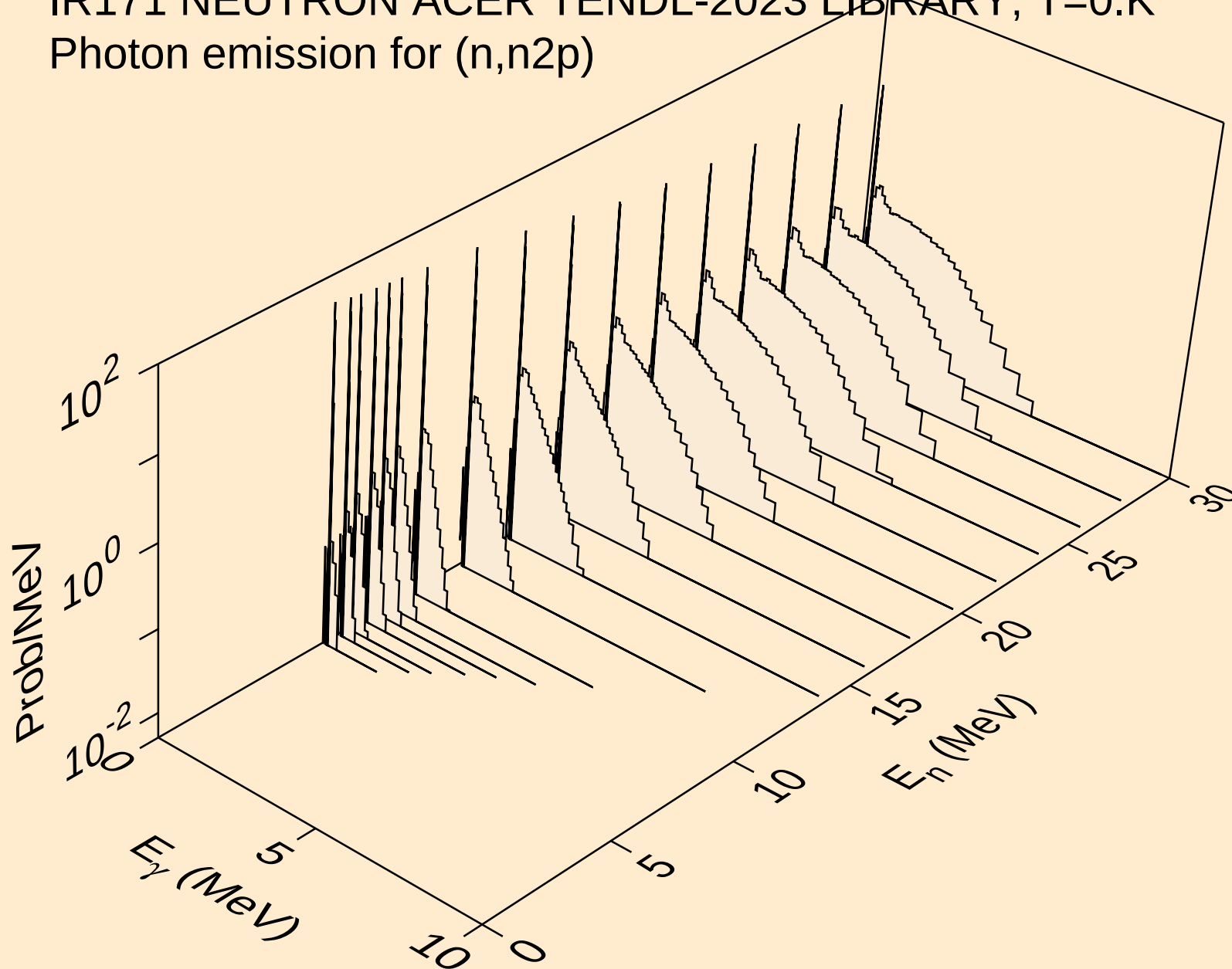
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



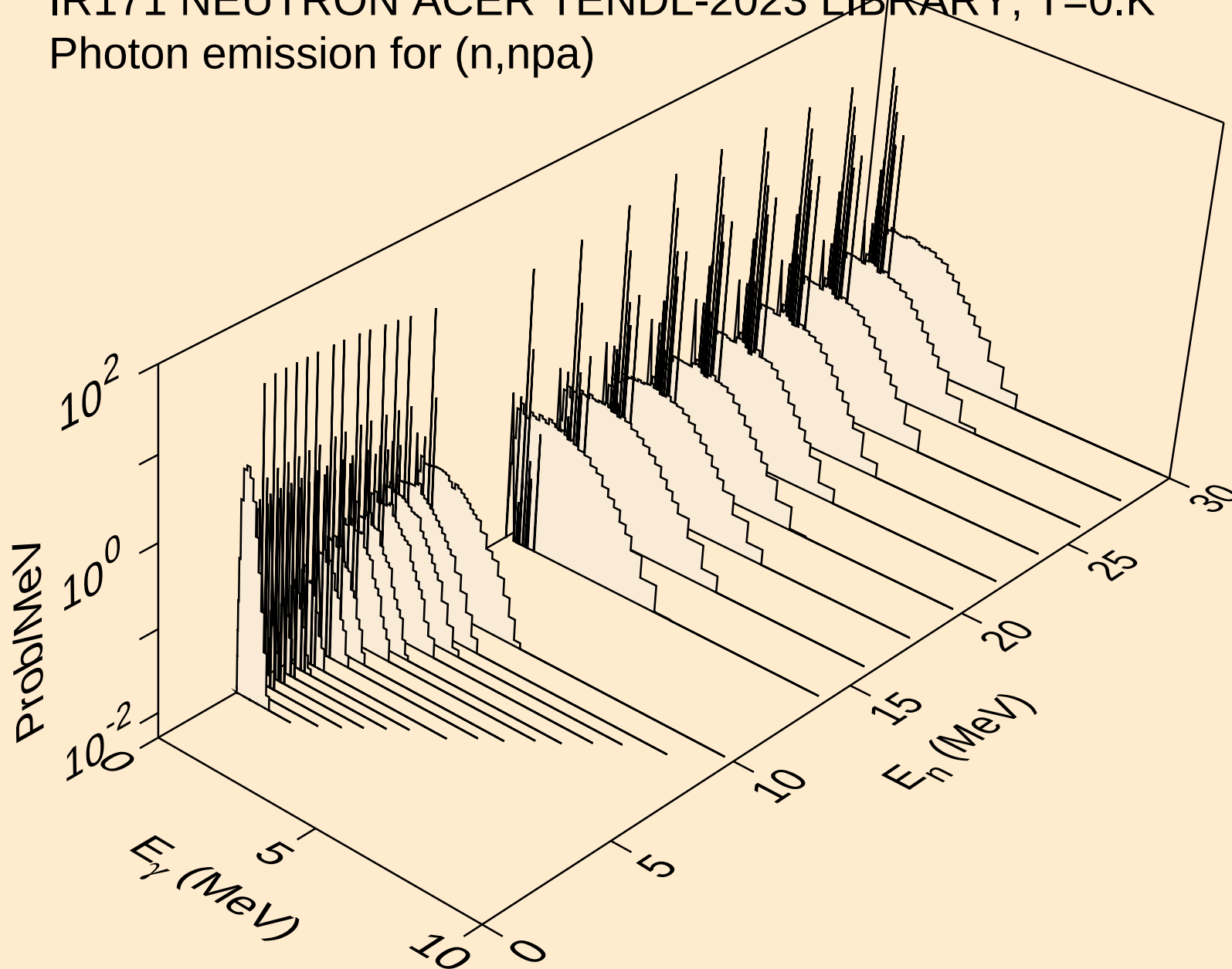
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



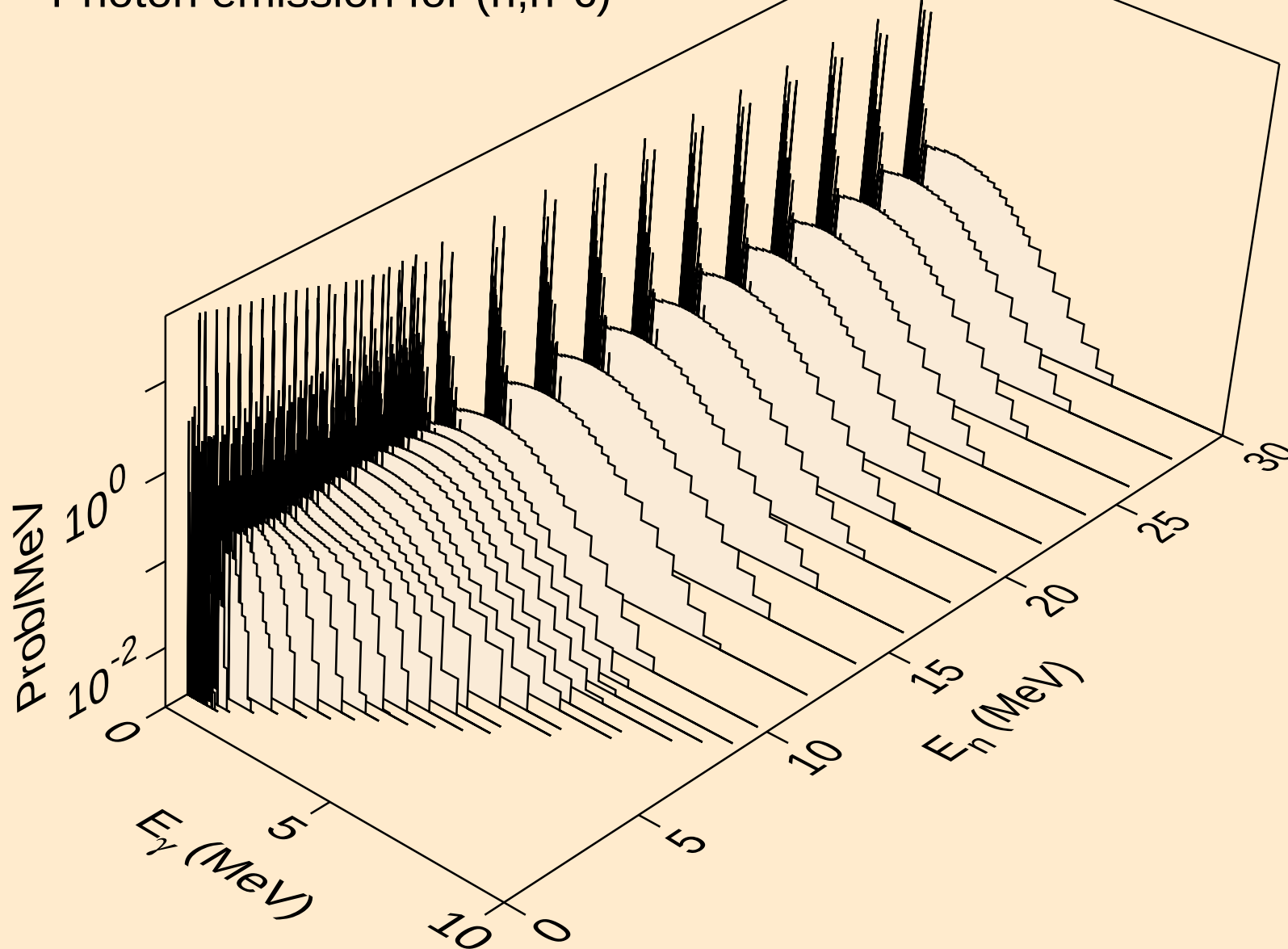
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



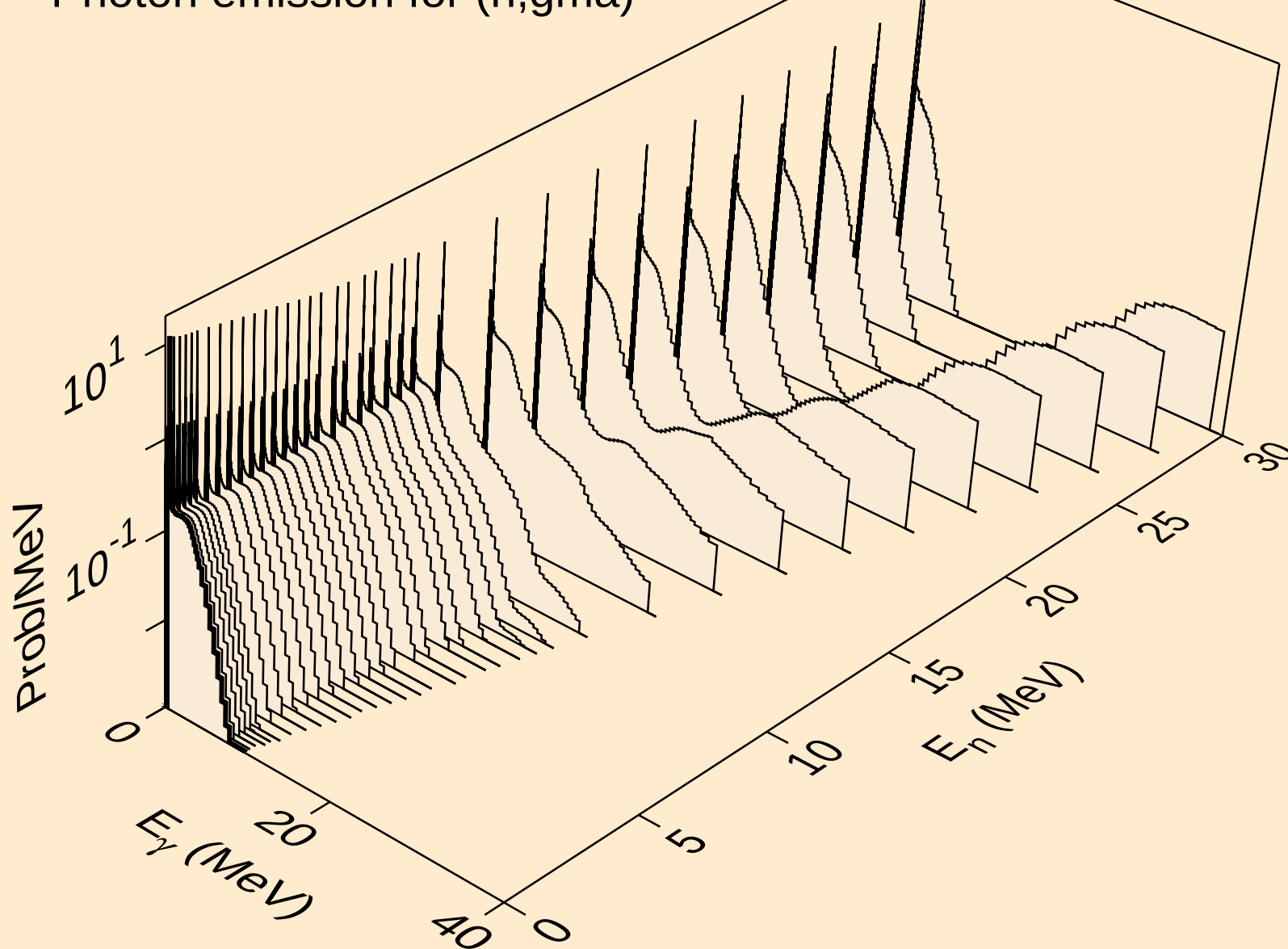
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



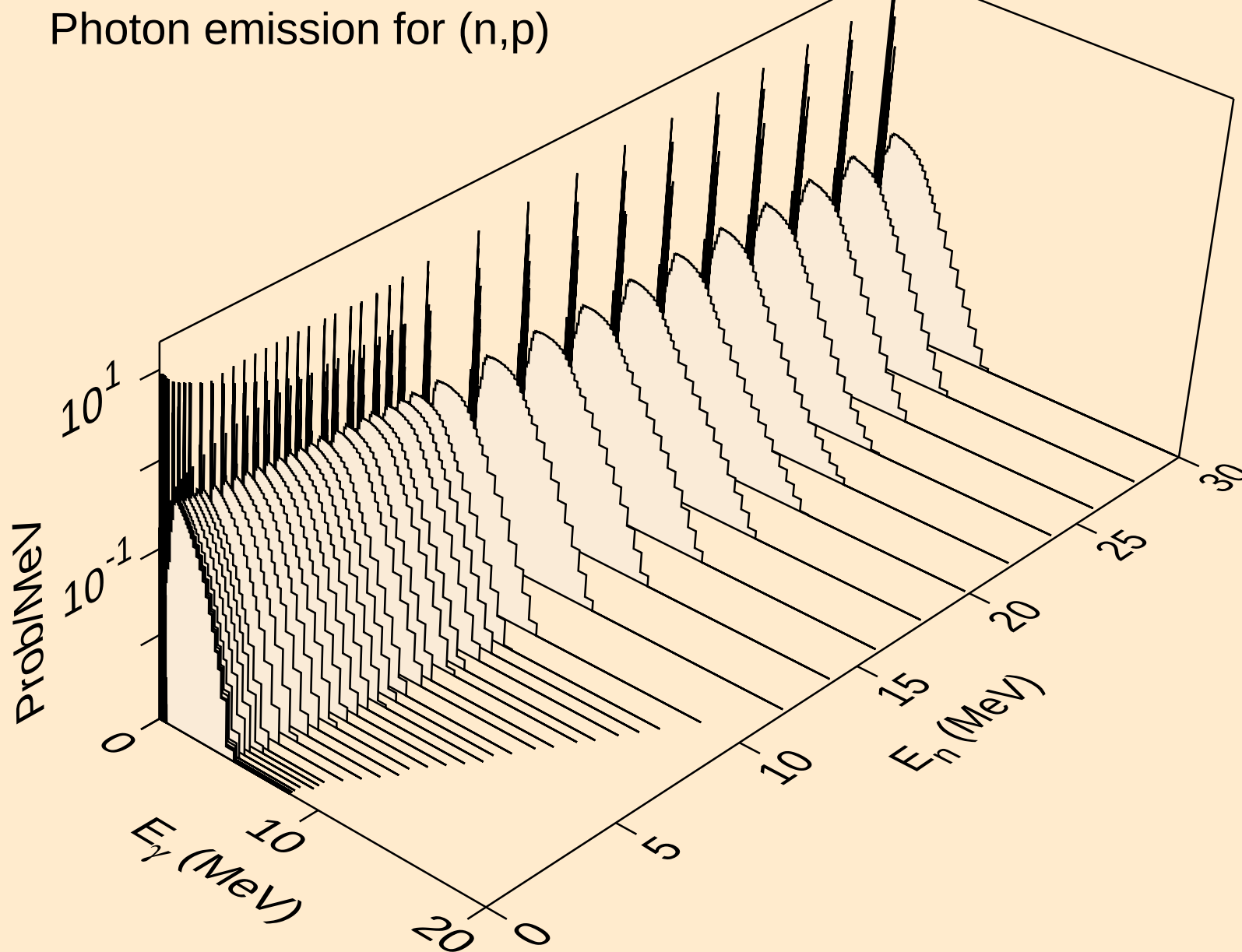
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



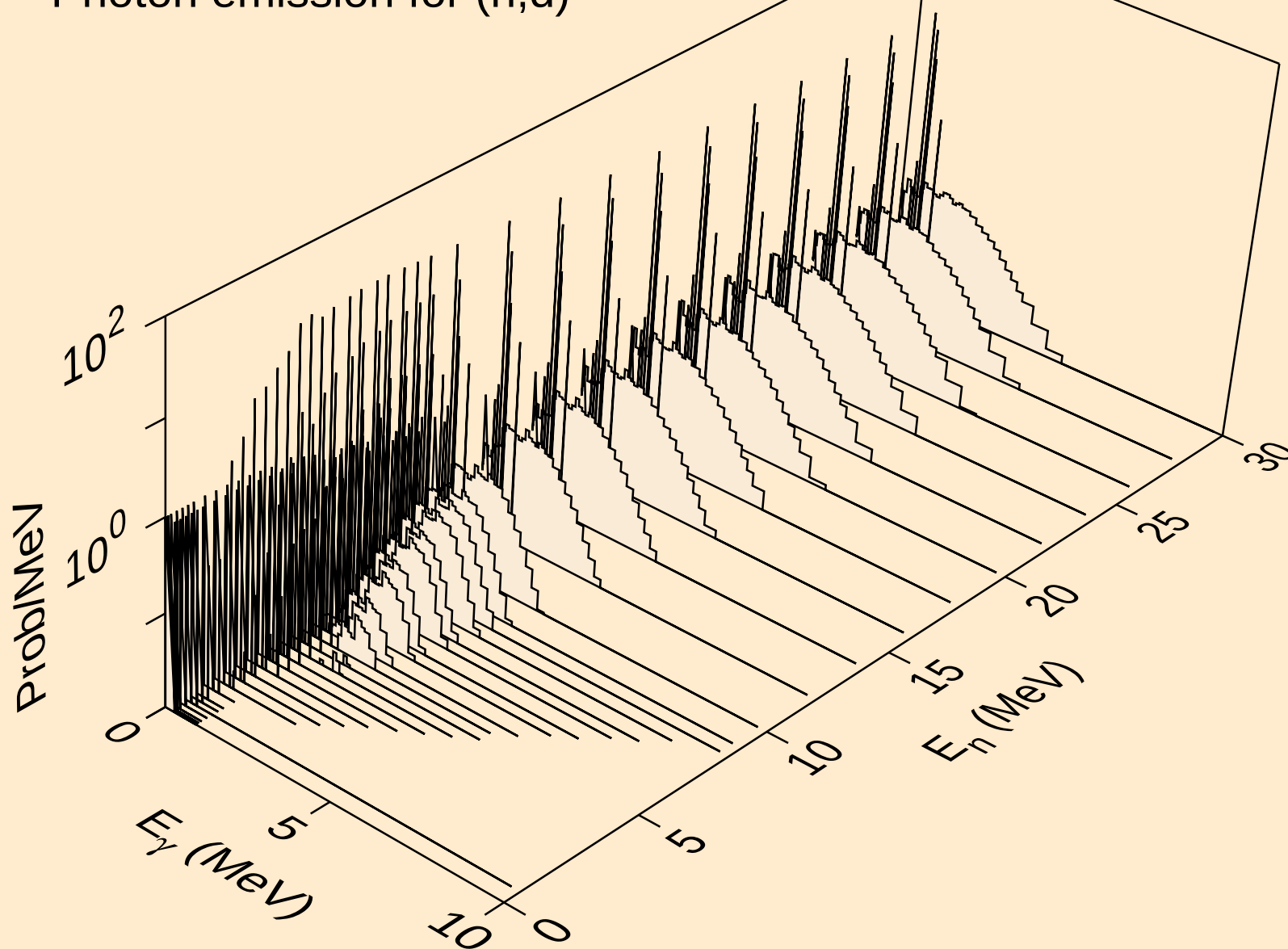
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



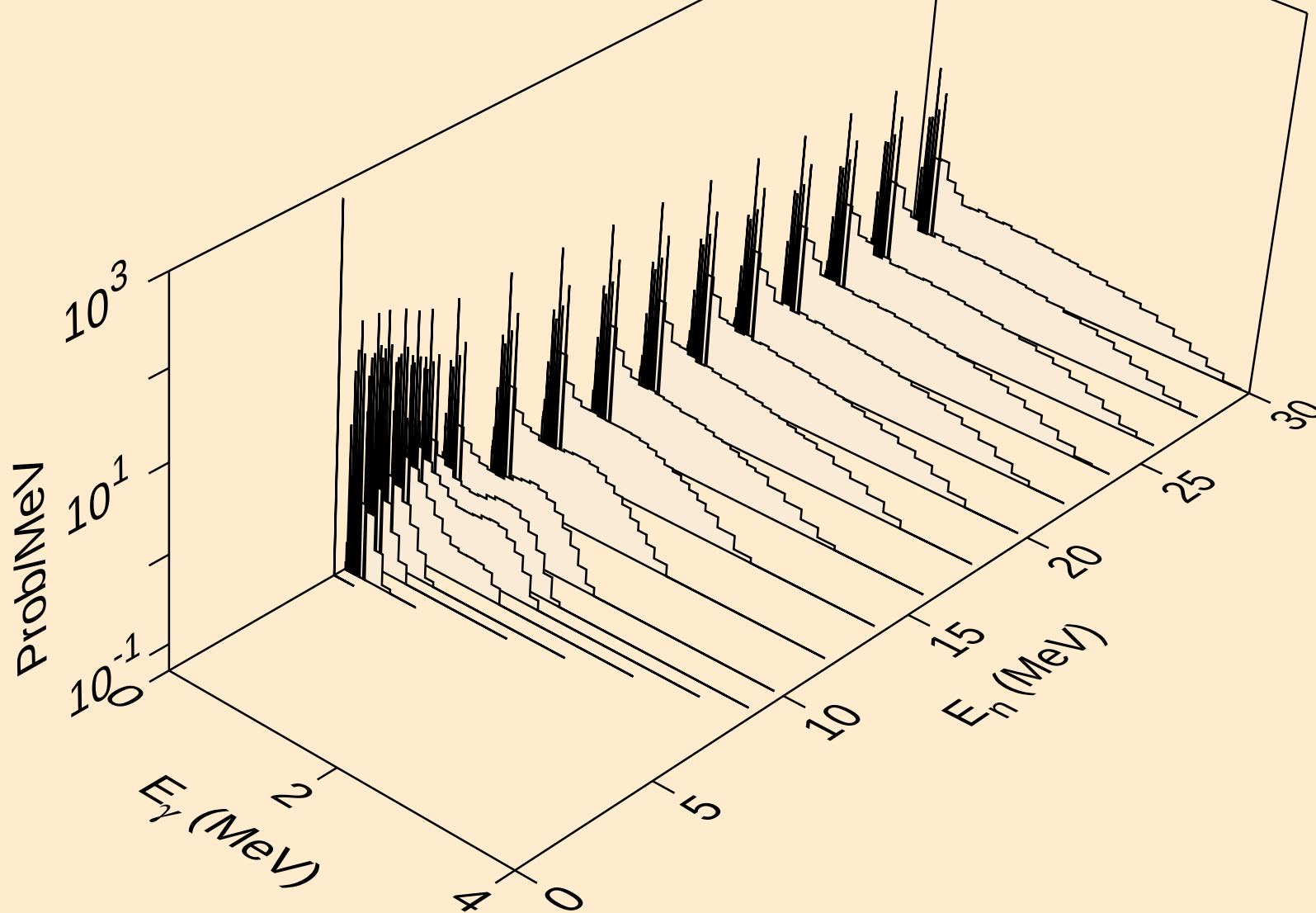
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



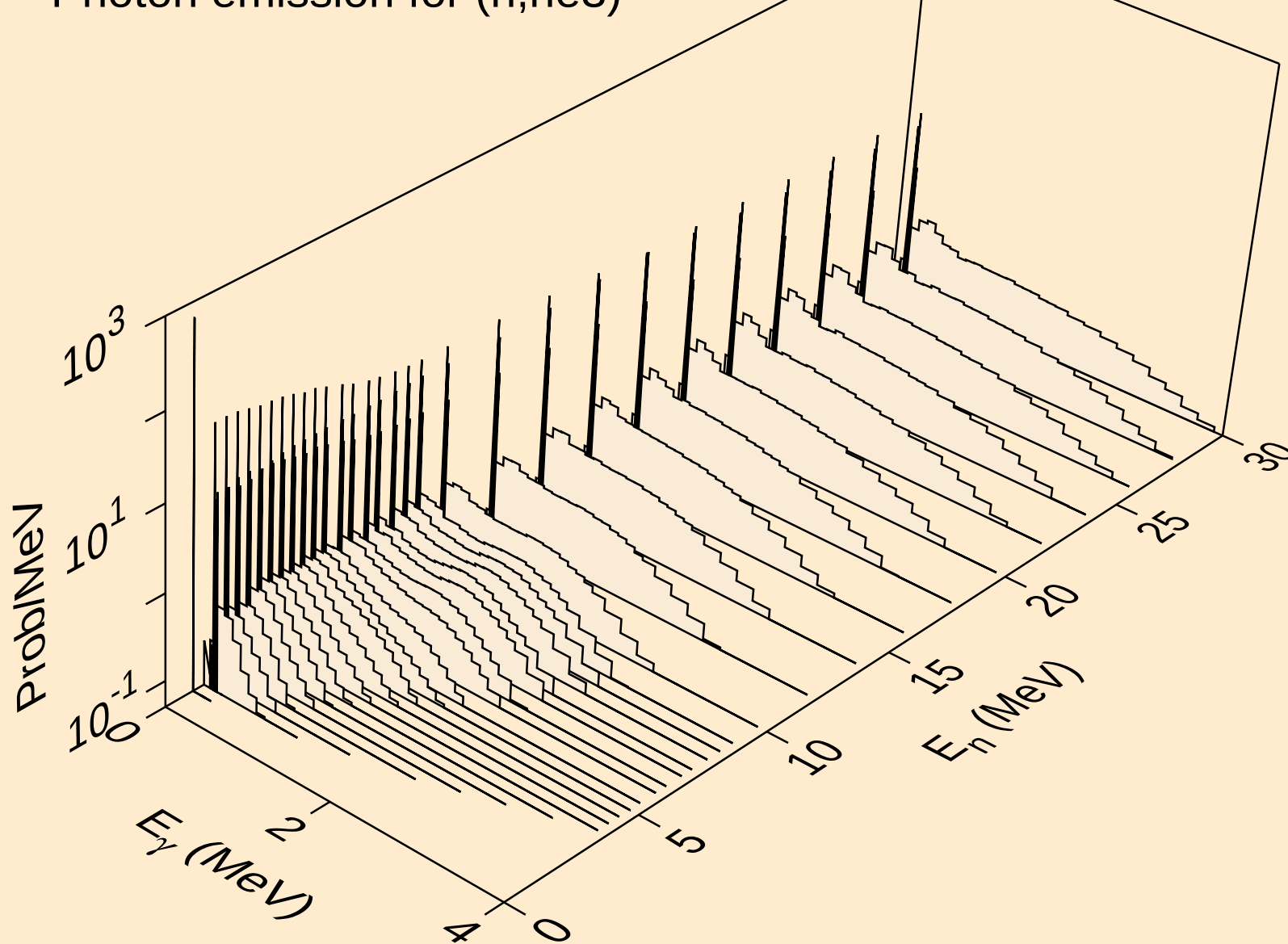
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



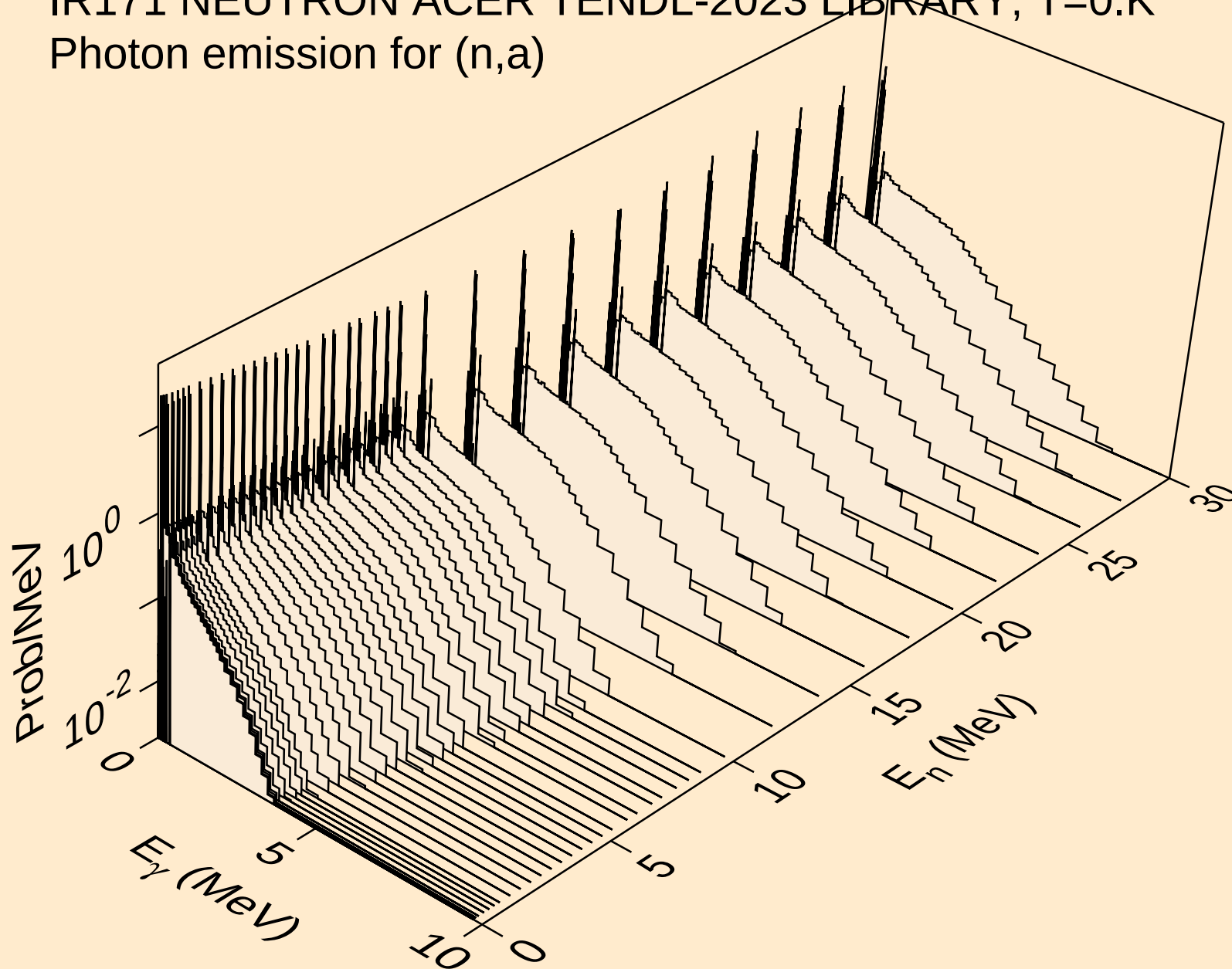
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



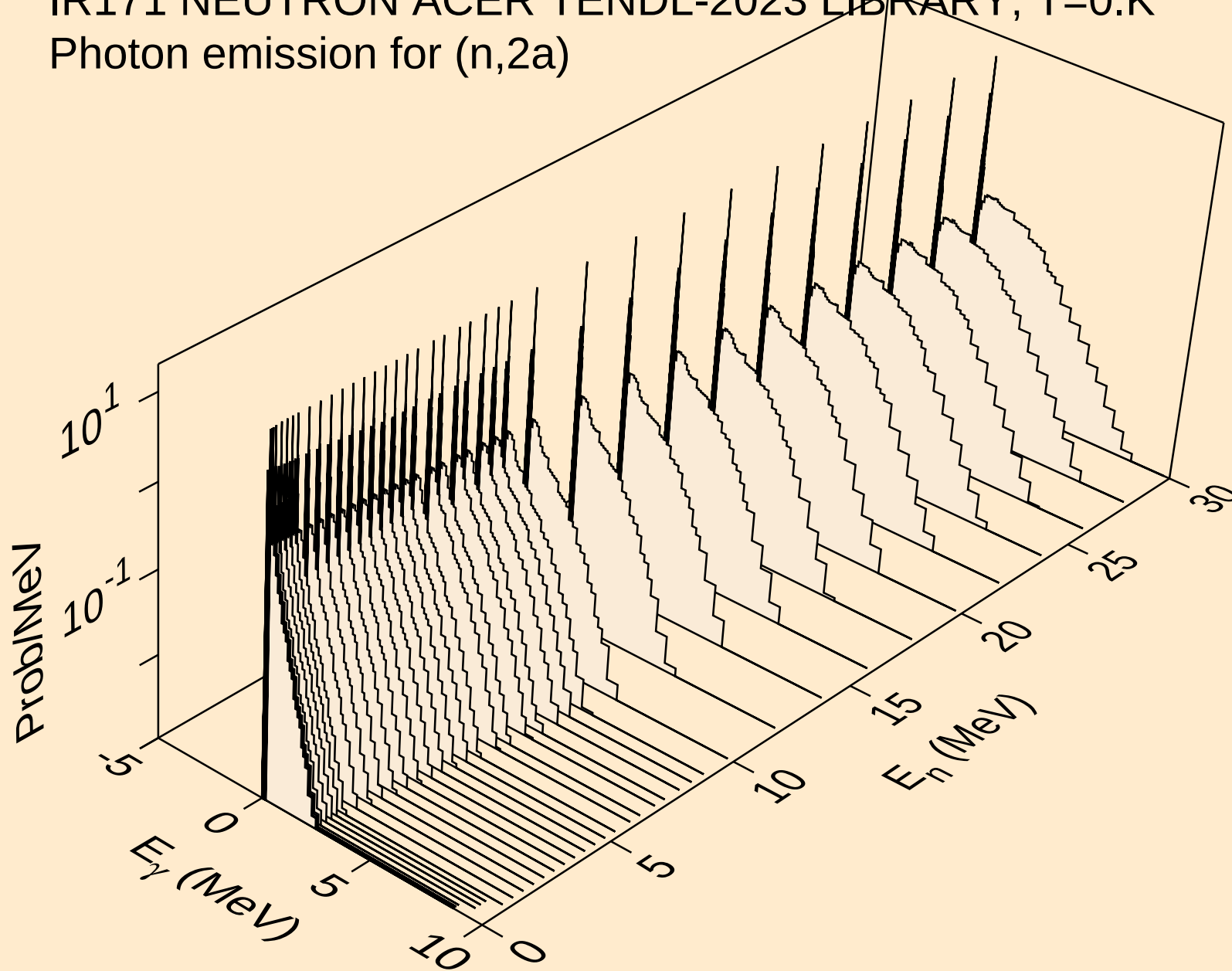
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



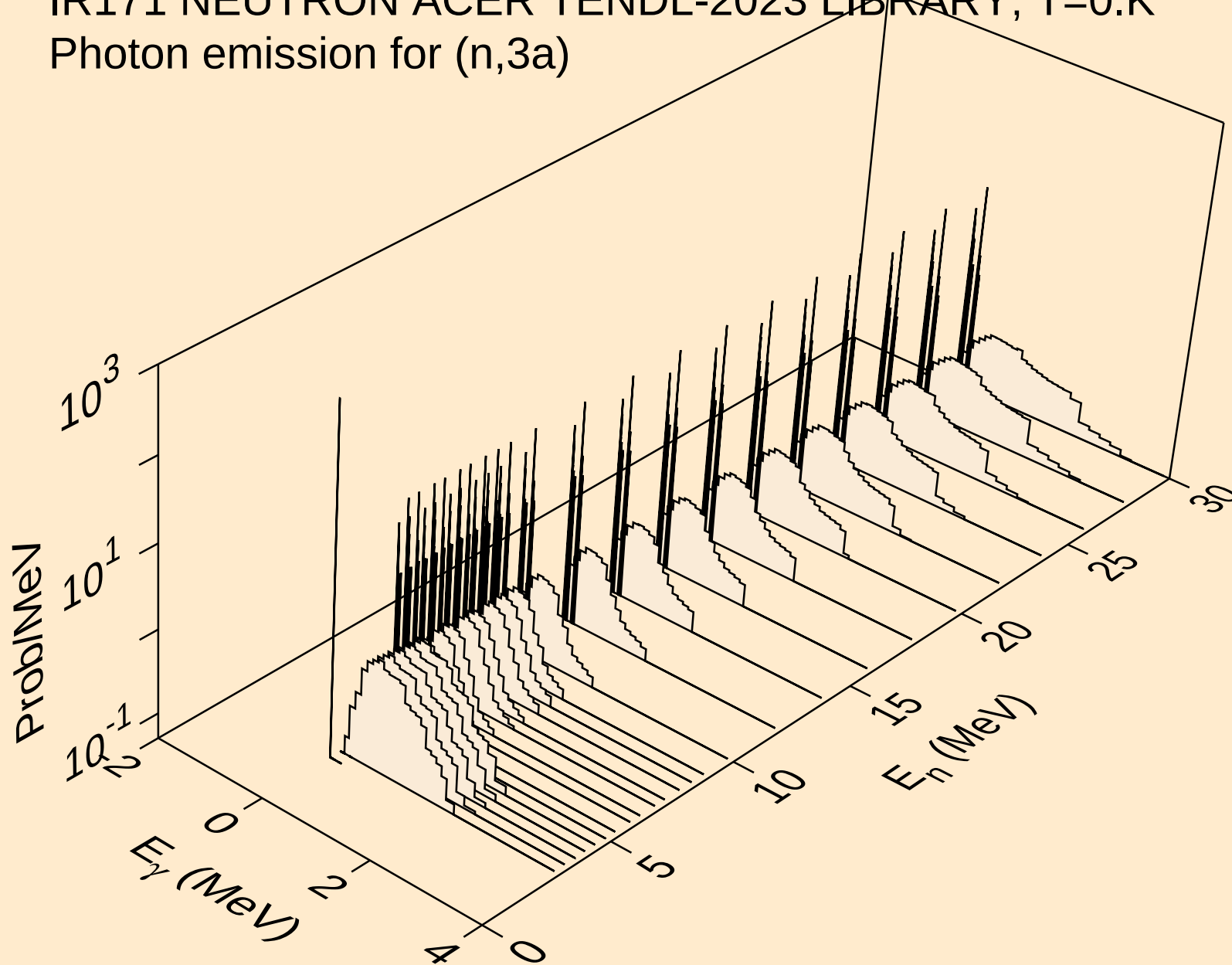
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



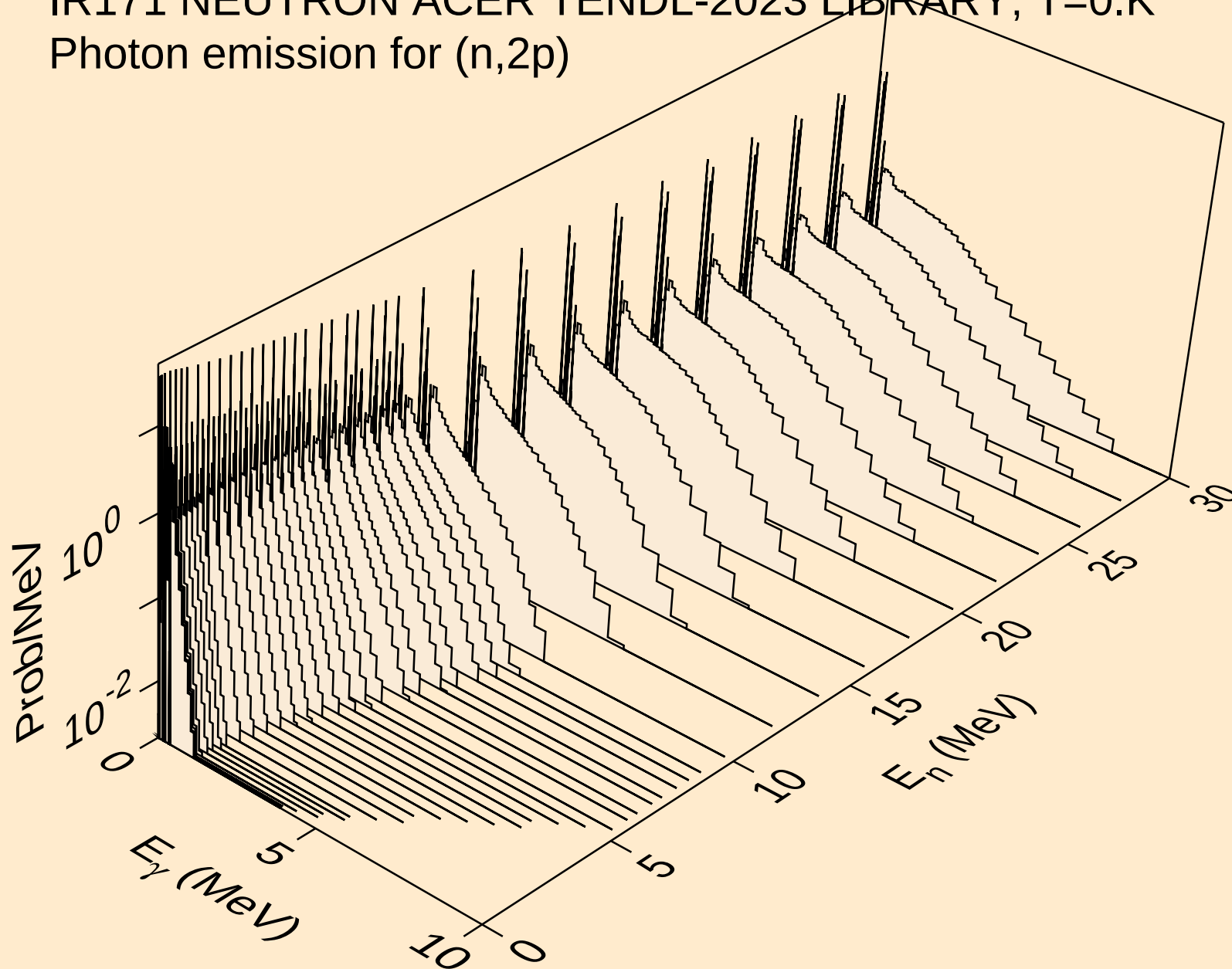
IR171 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2a)



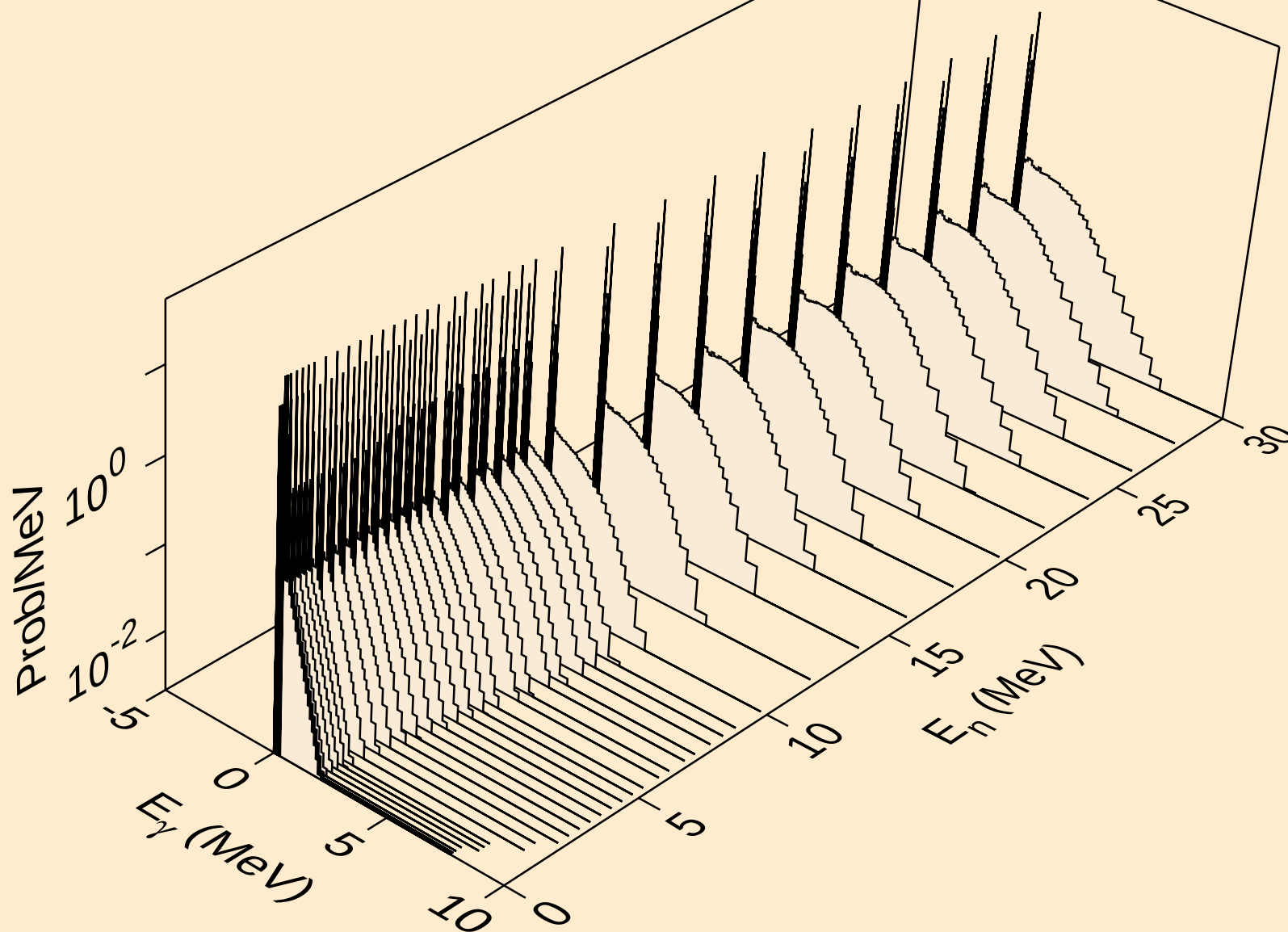
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



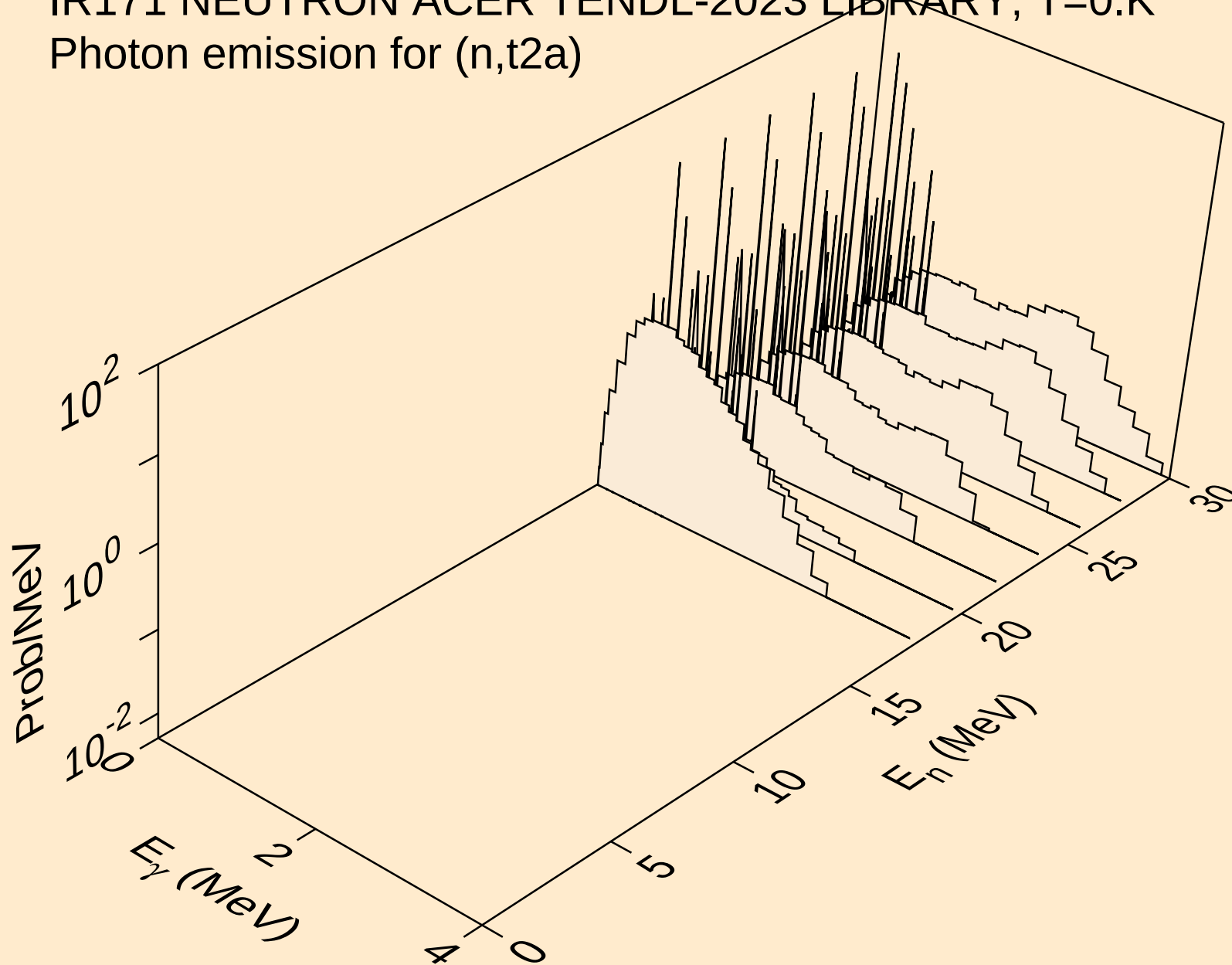
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



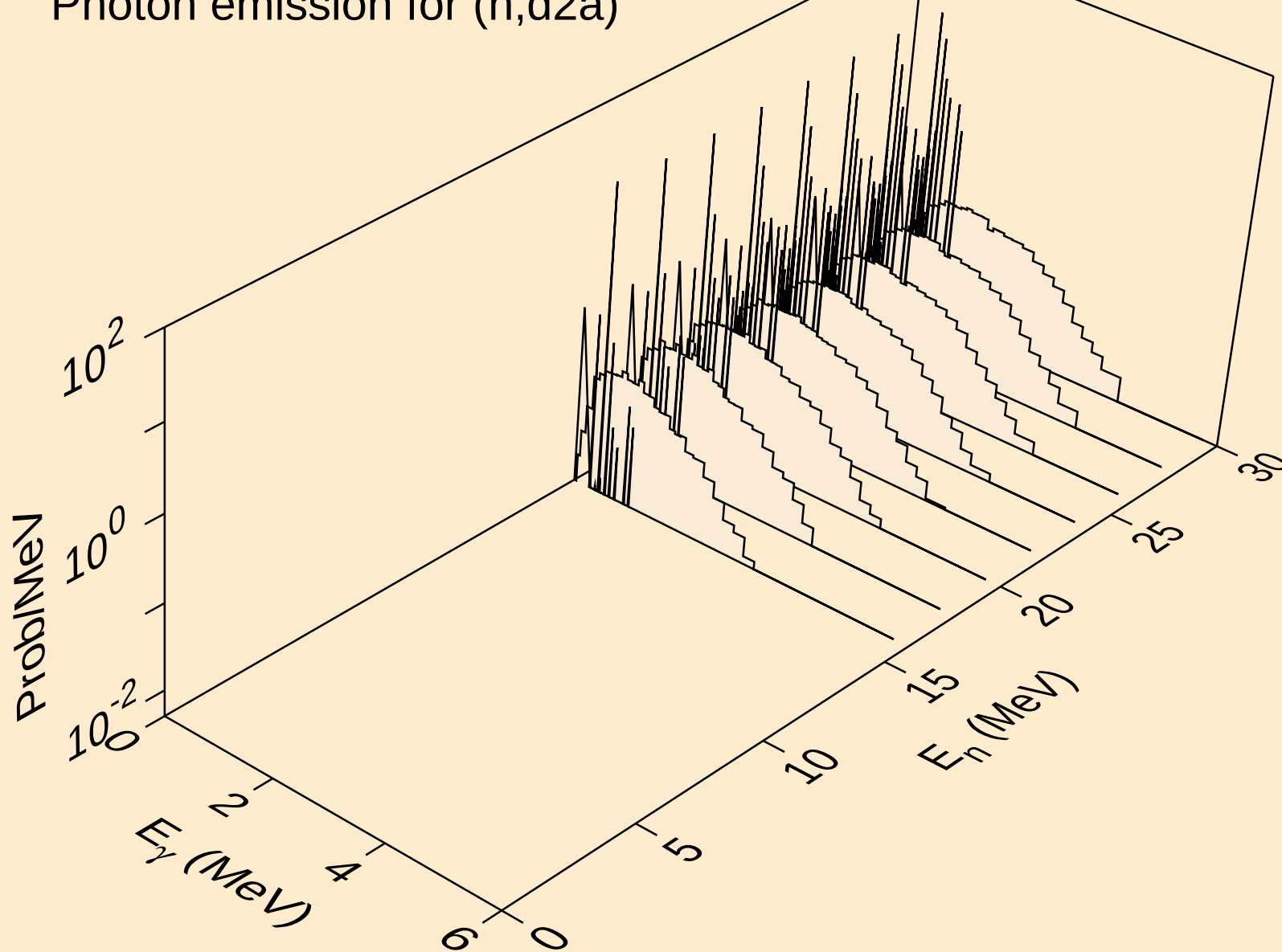
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



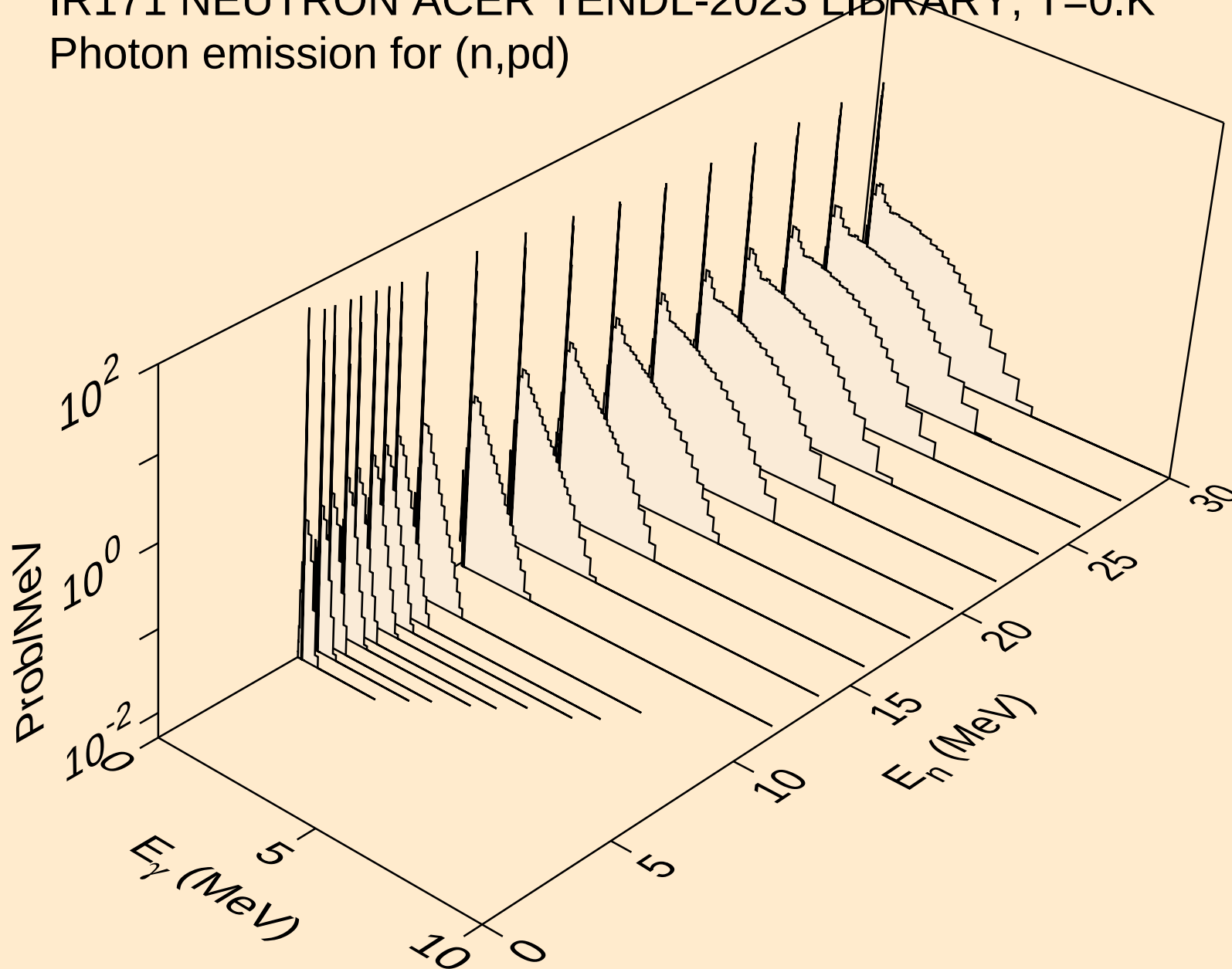
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t2a)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d2a)

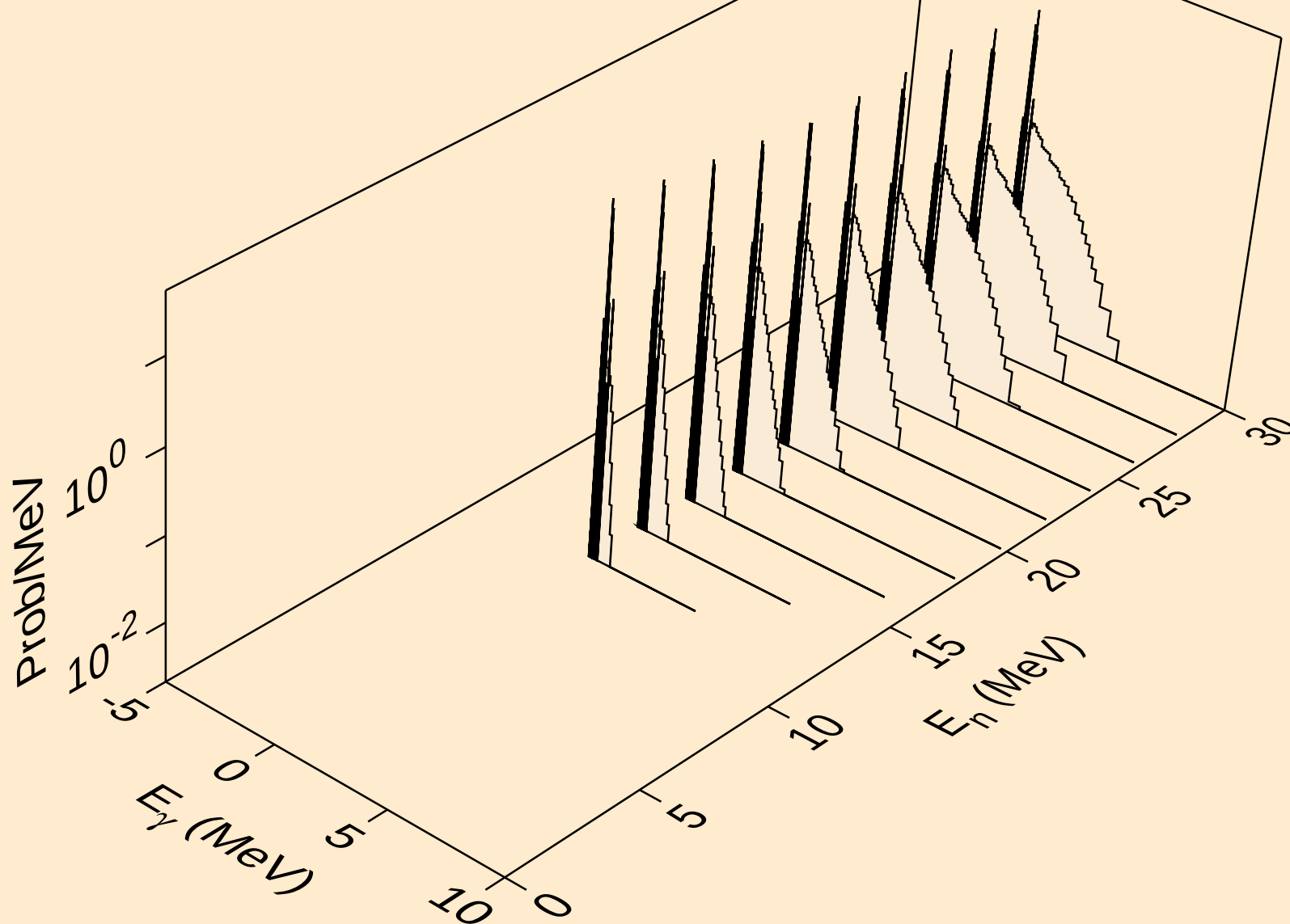


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)

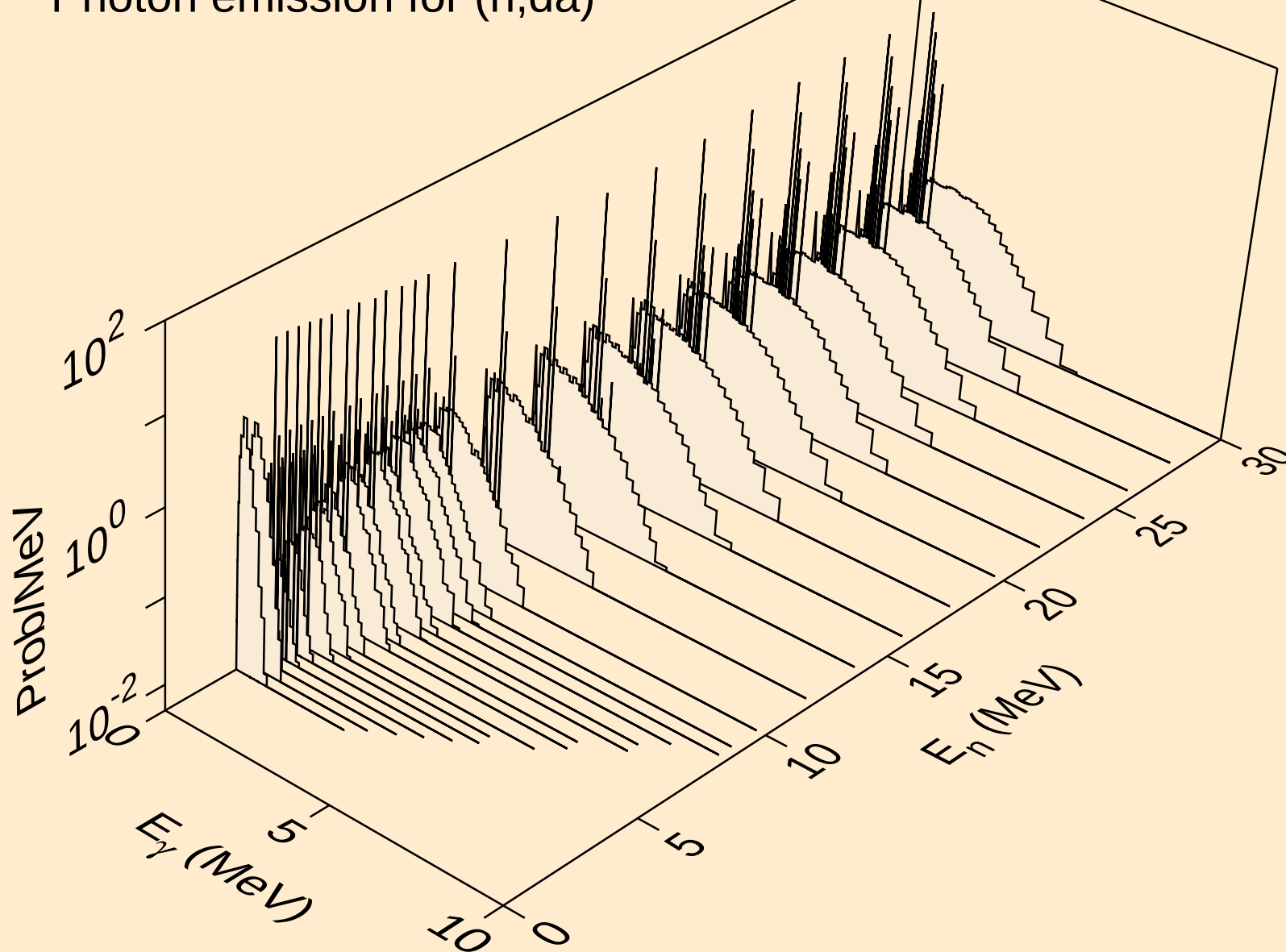


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

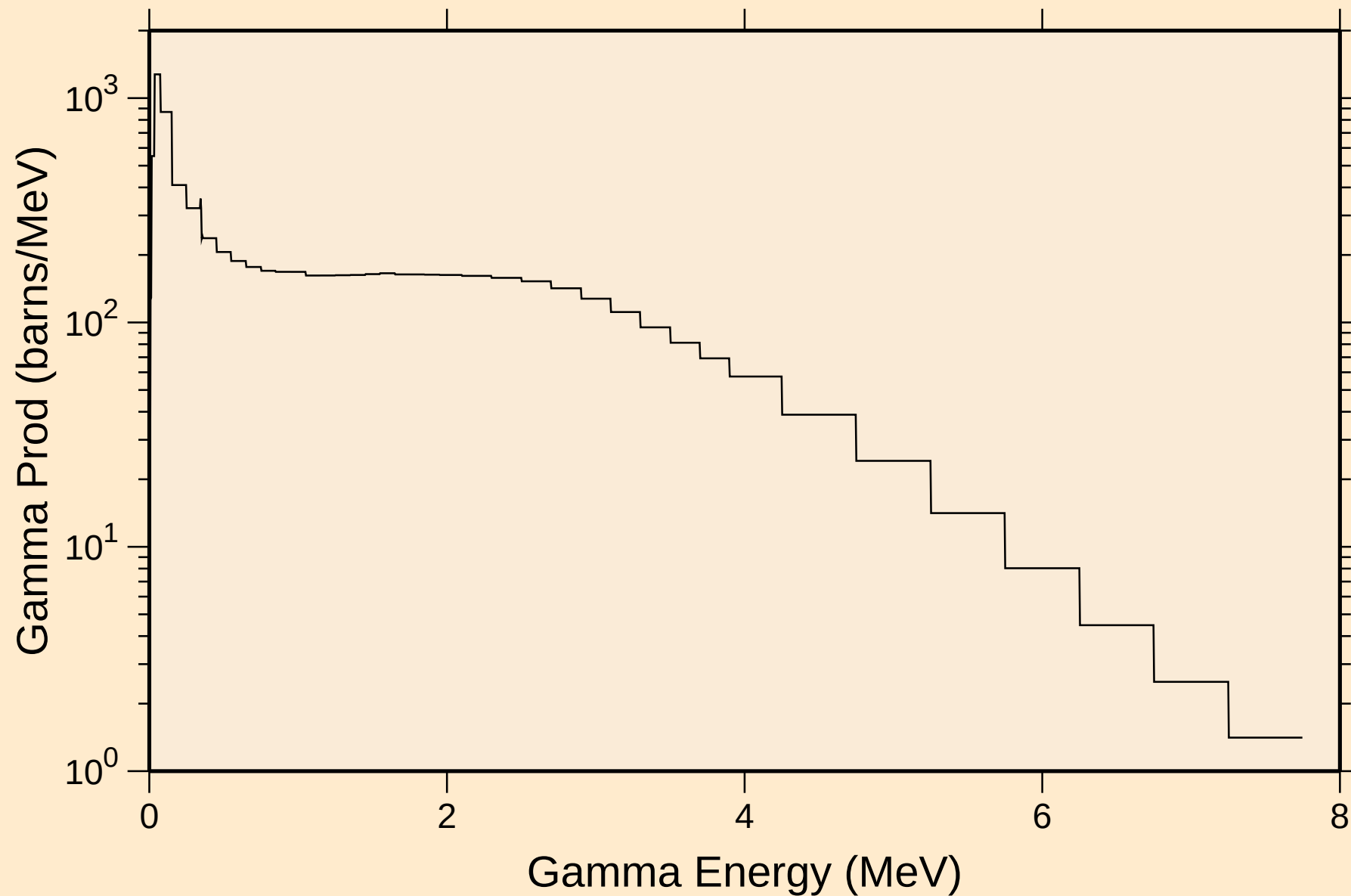
Photon emission for (n,pt)



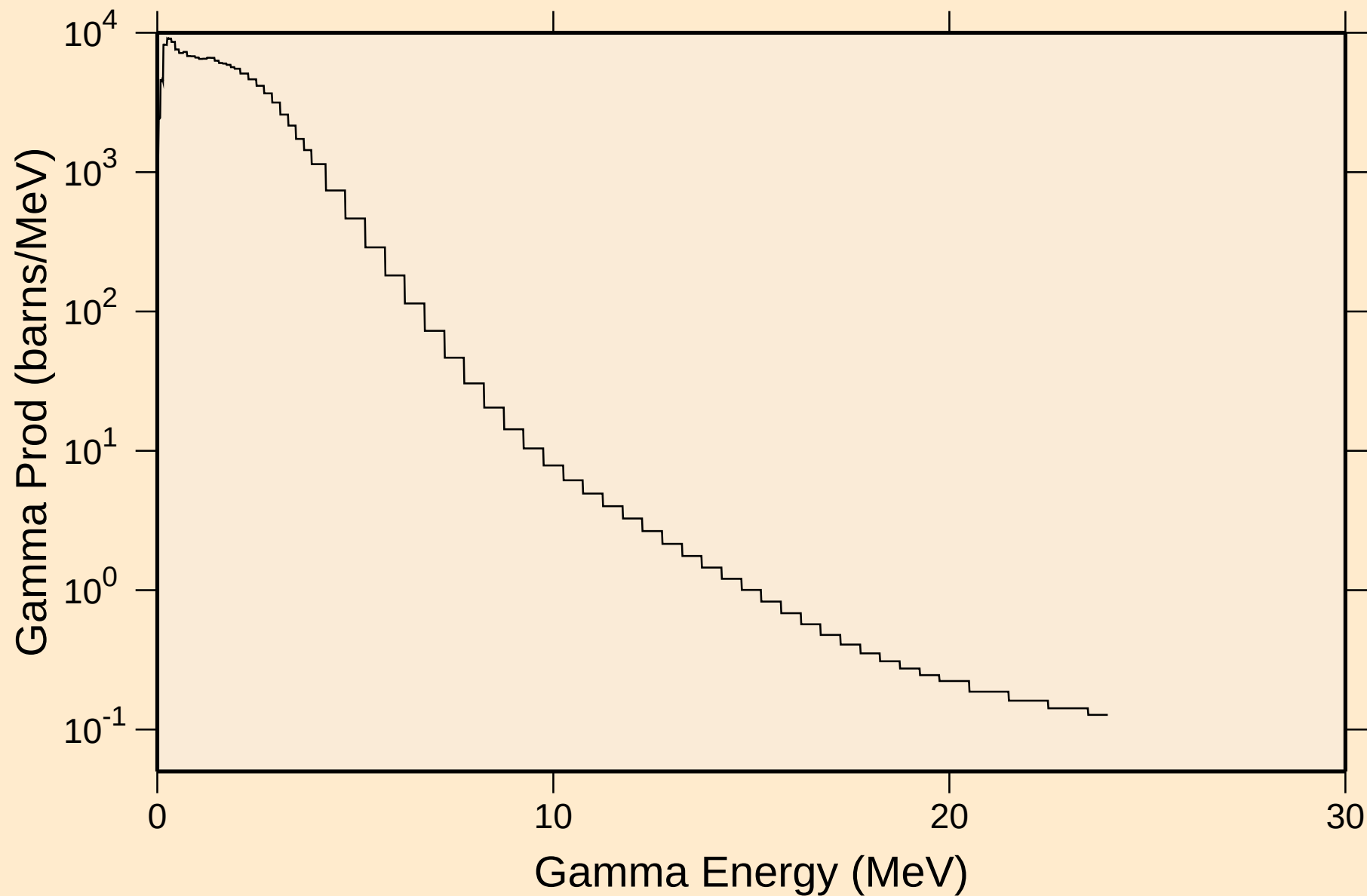
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

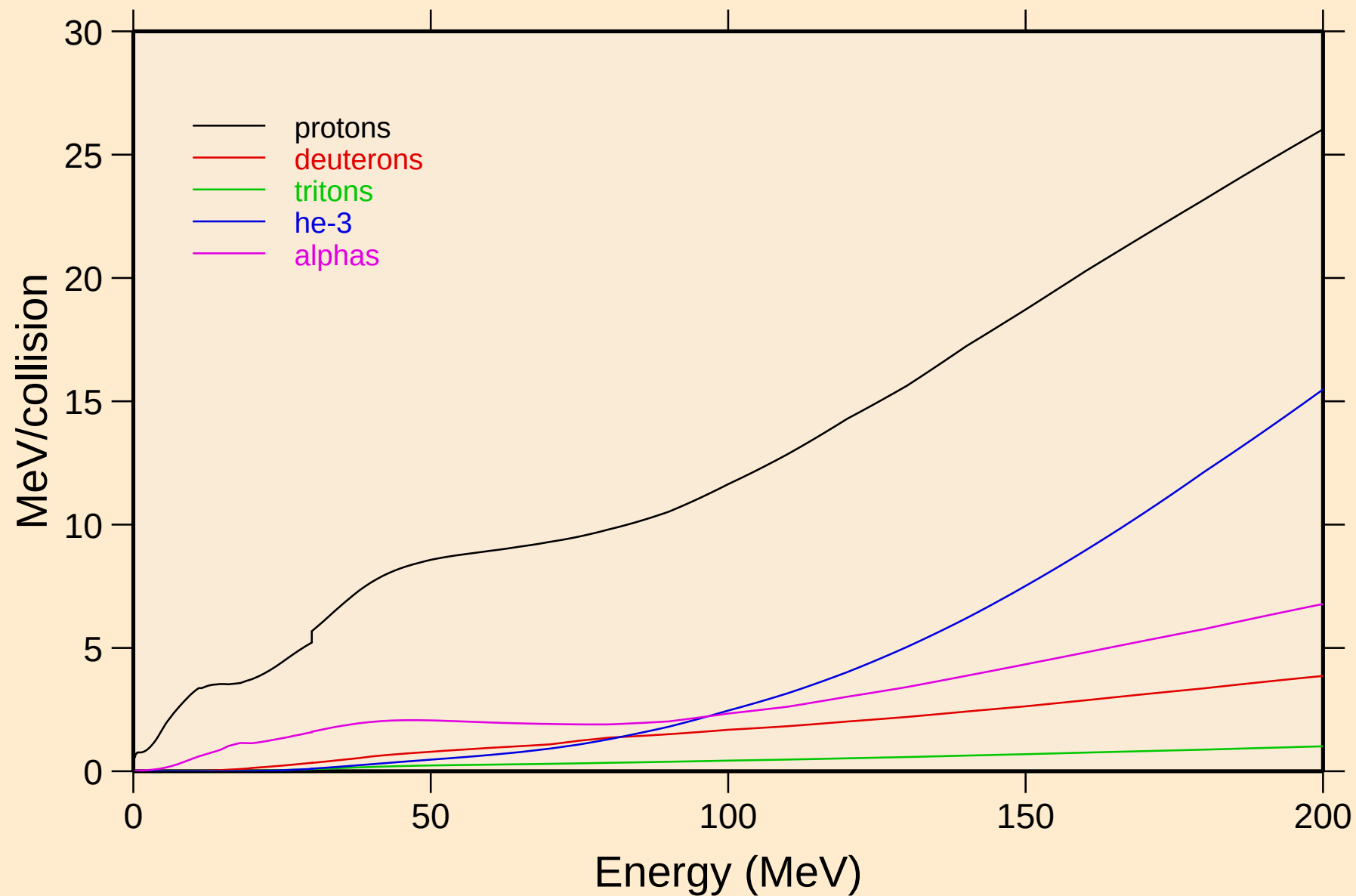


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



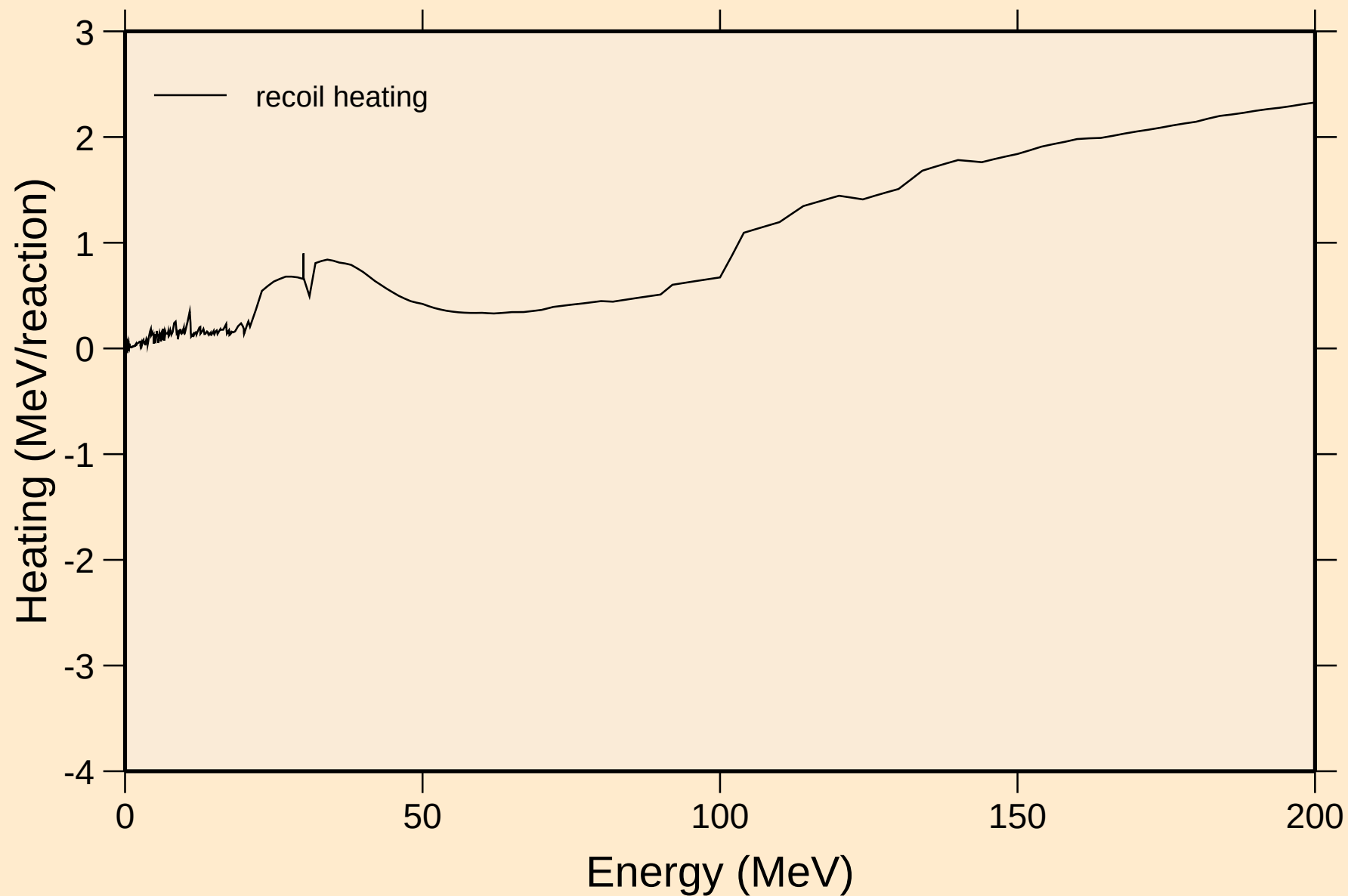
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



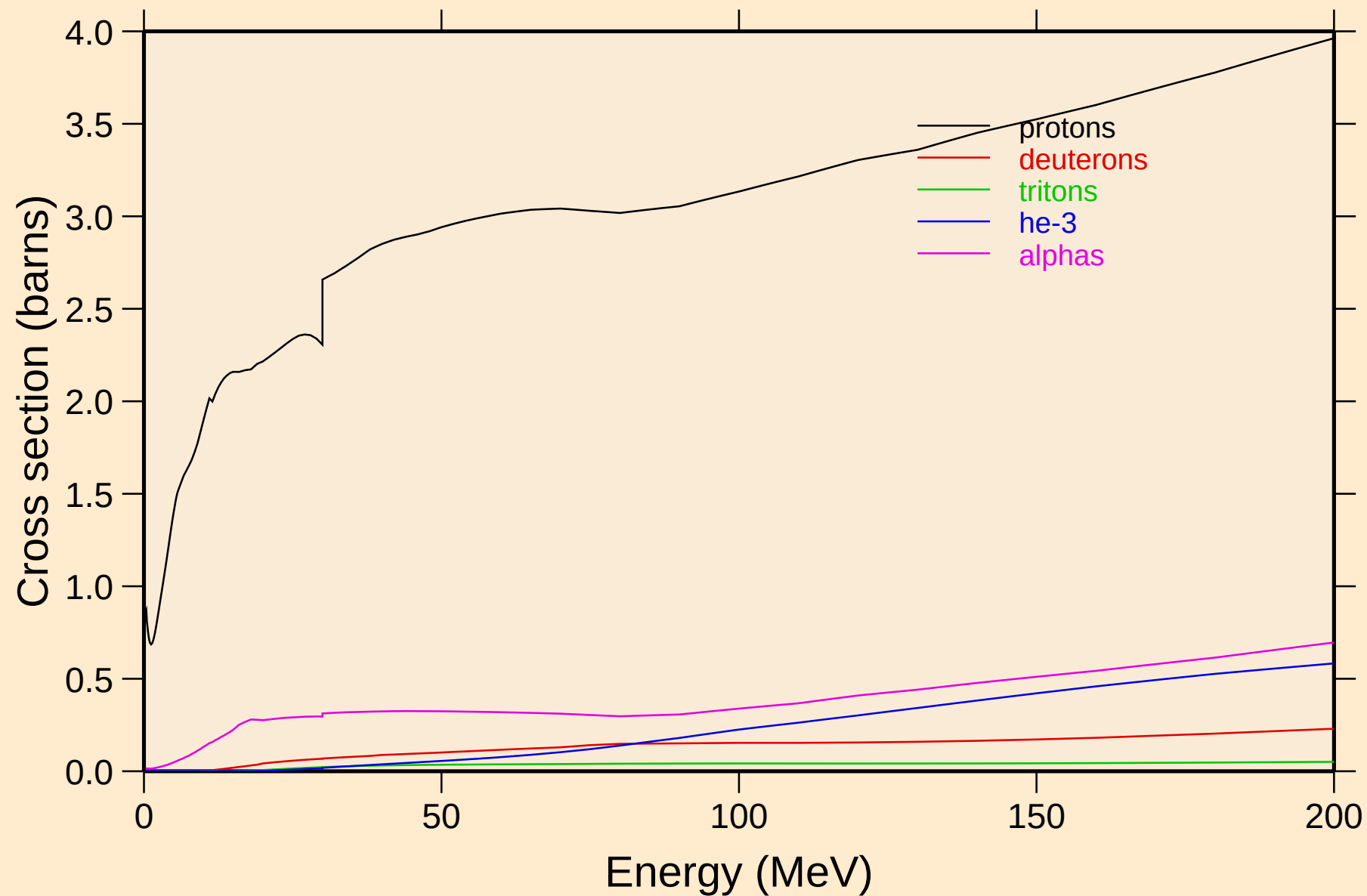
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

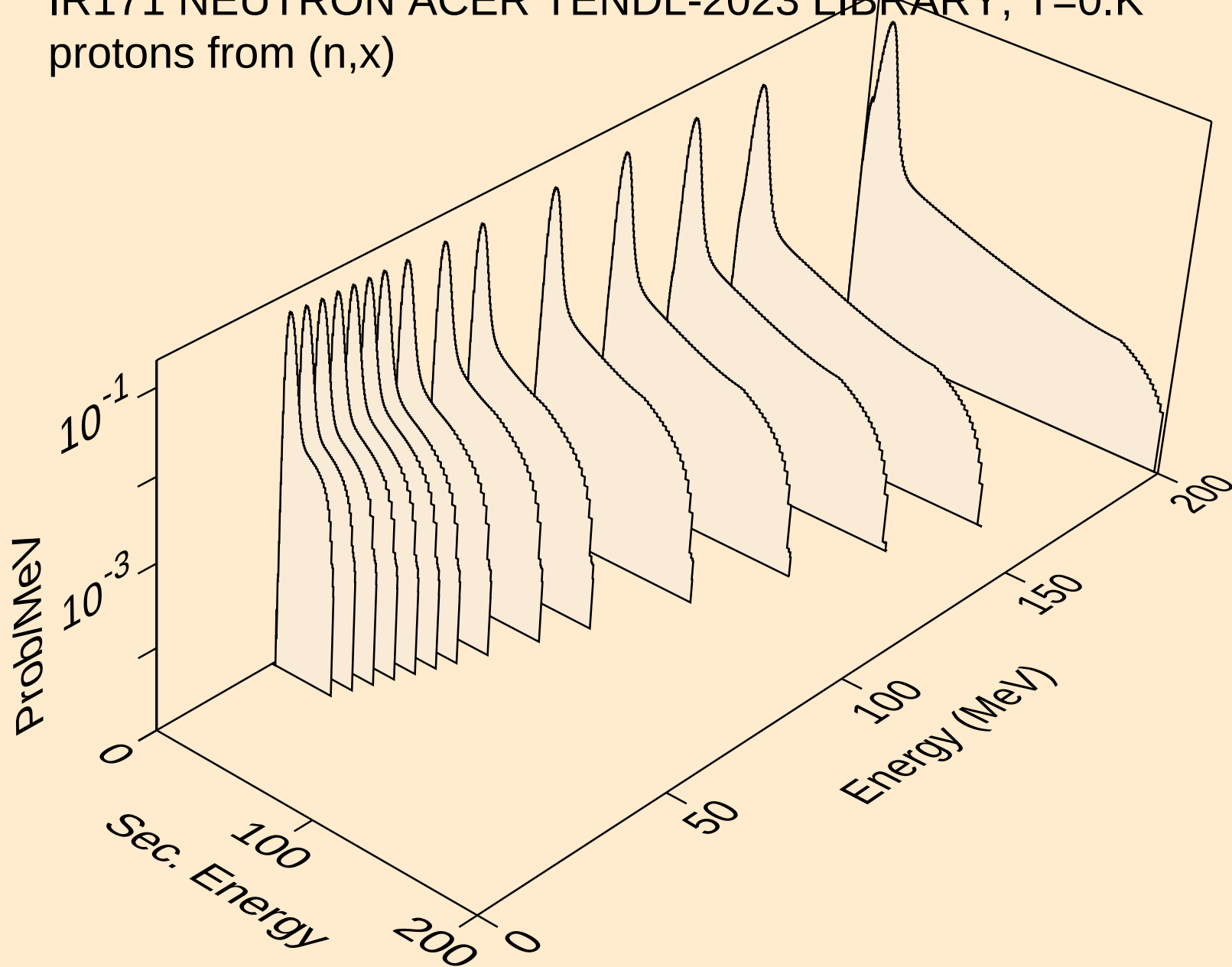


IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

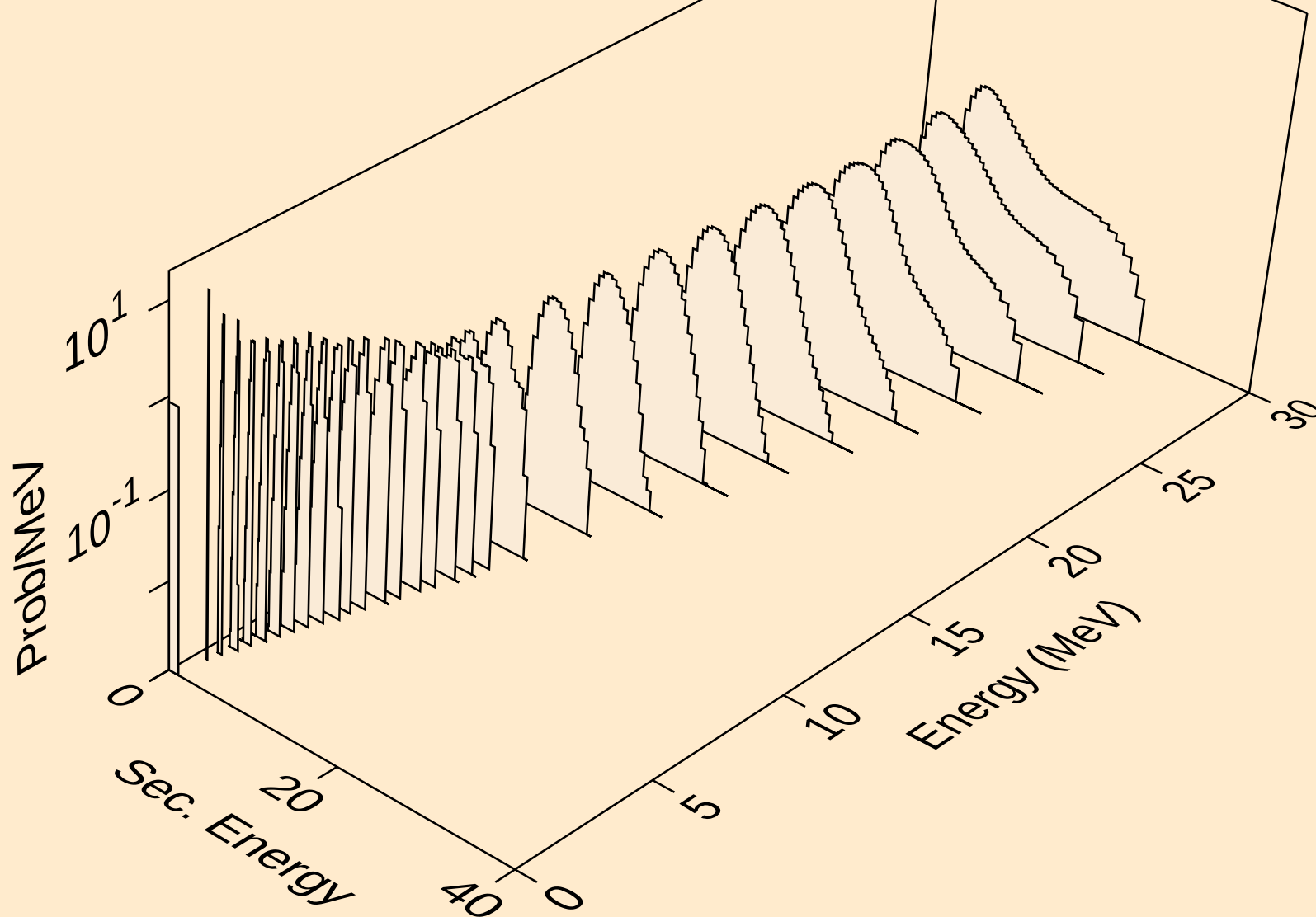
Particle production cross sections



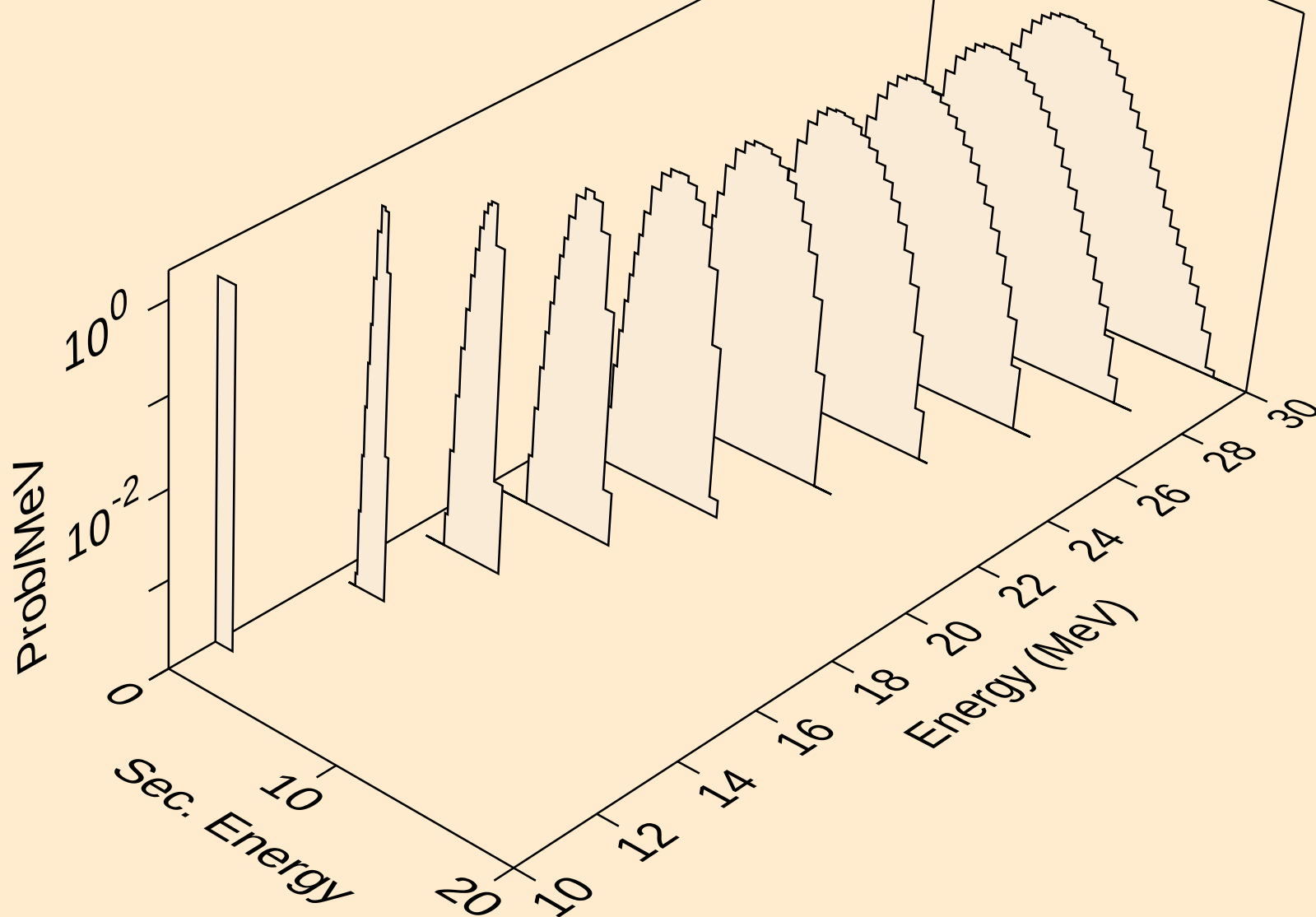
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



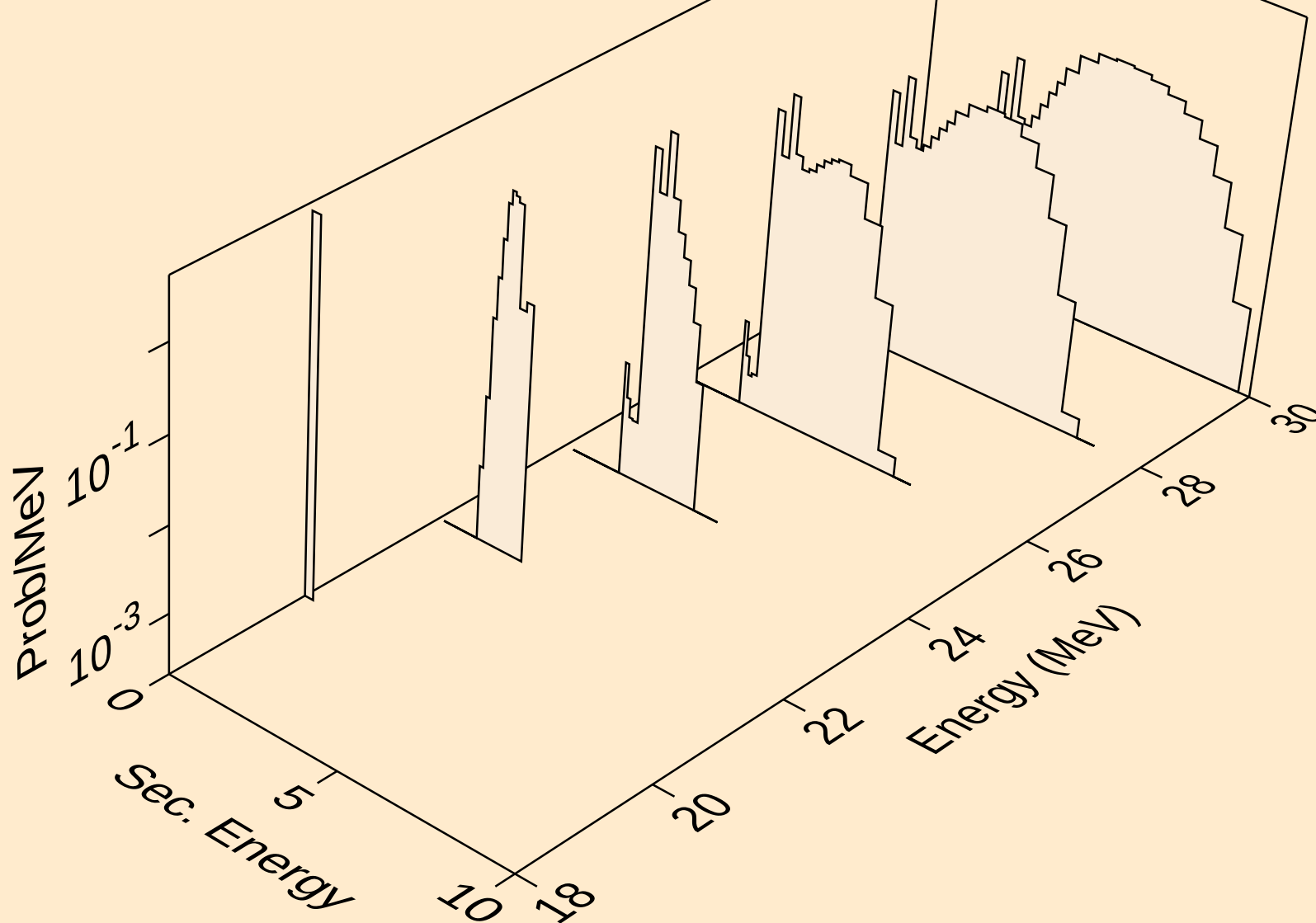
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



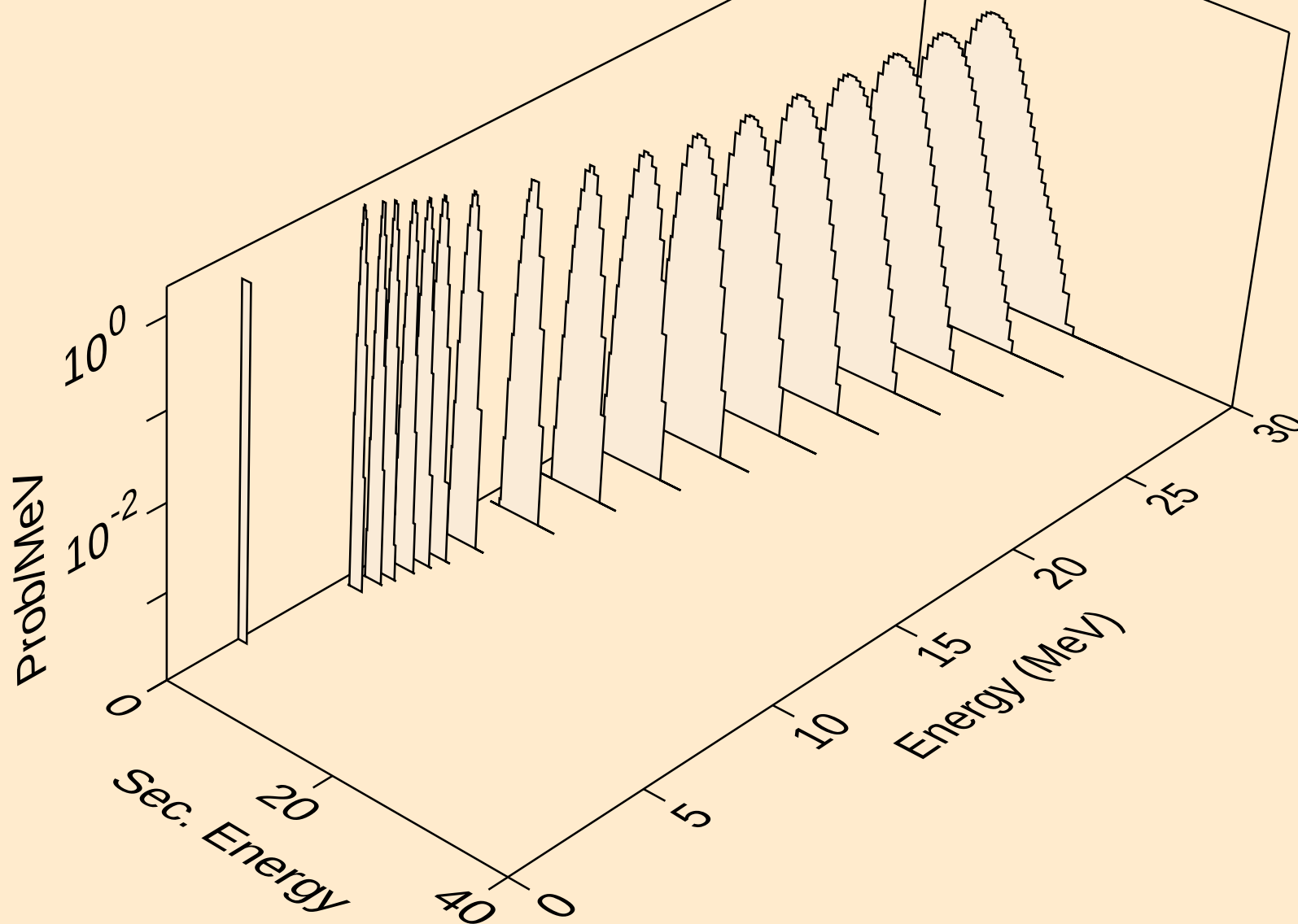
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



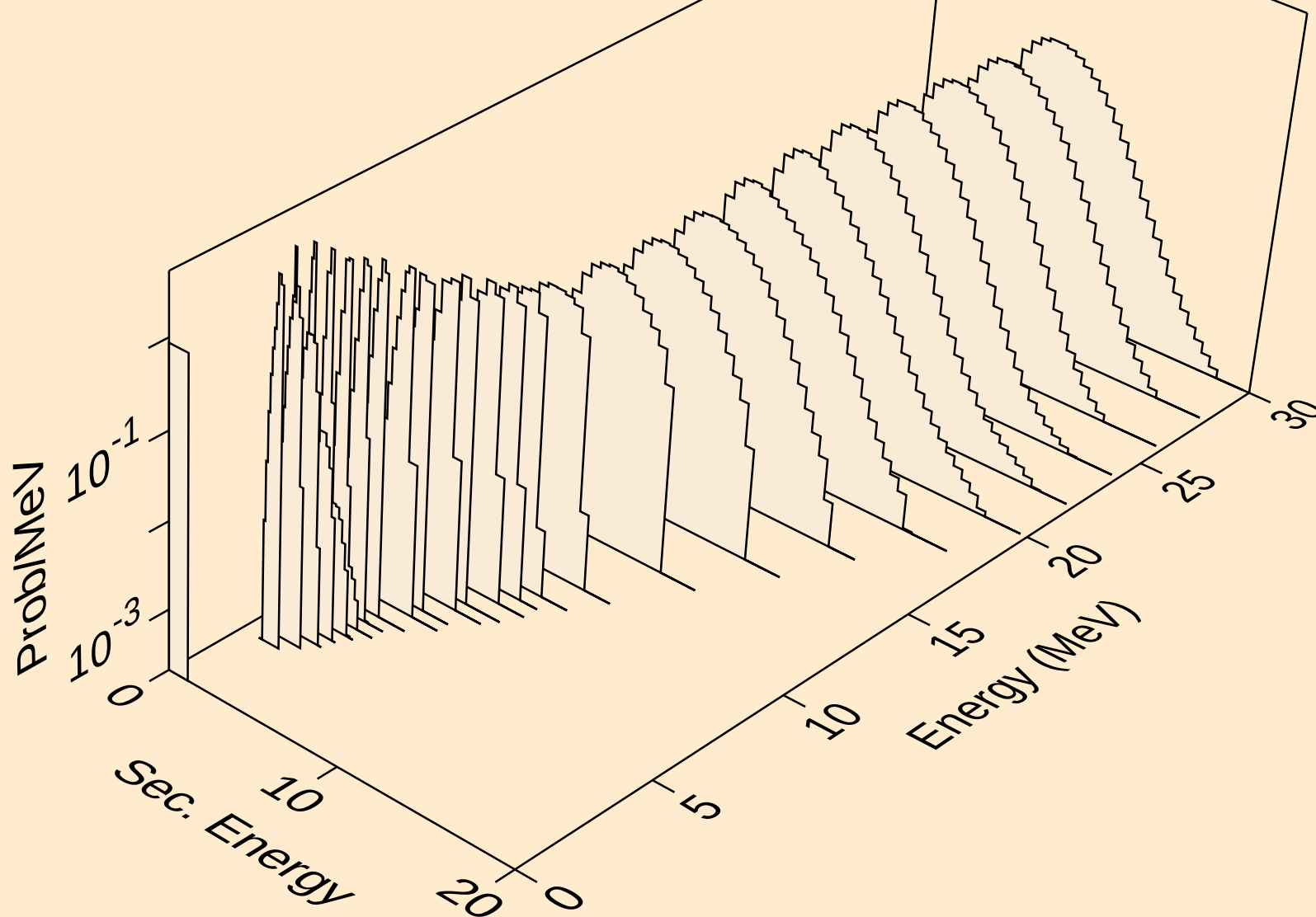
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protons from (n,3np)



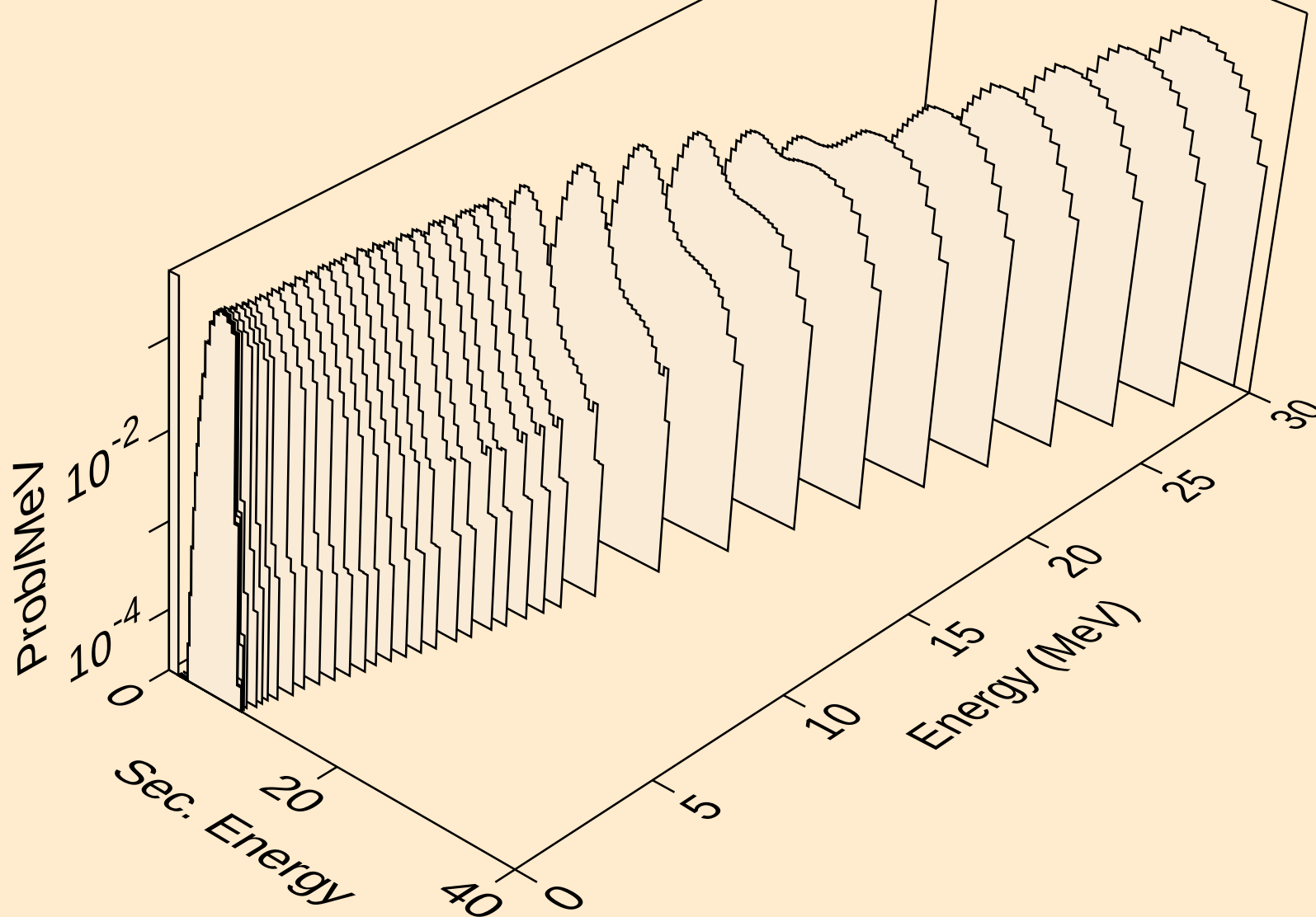
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protons from (n,n2p)



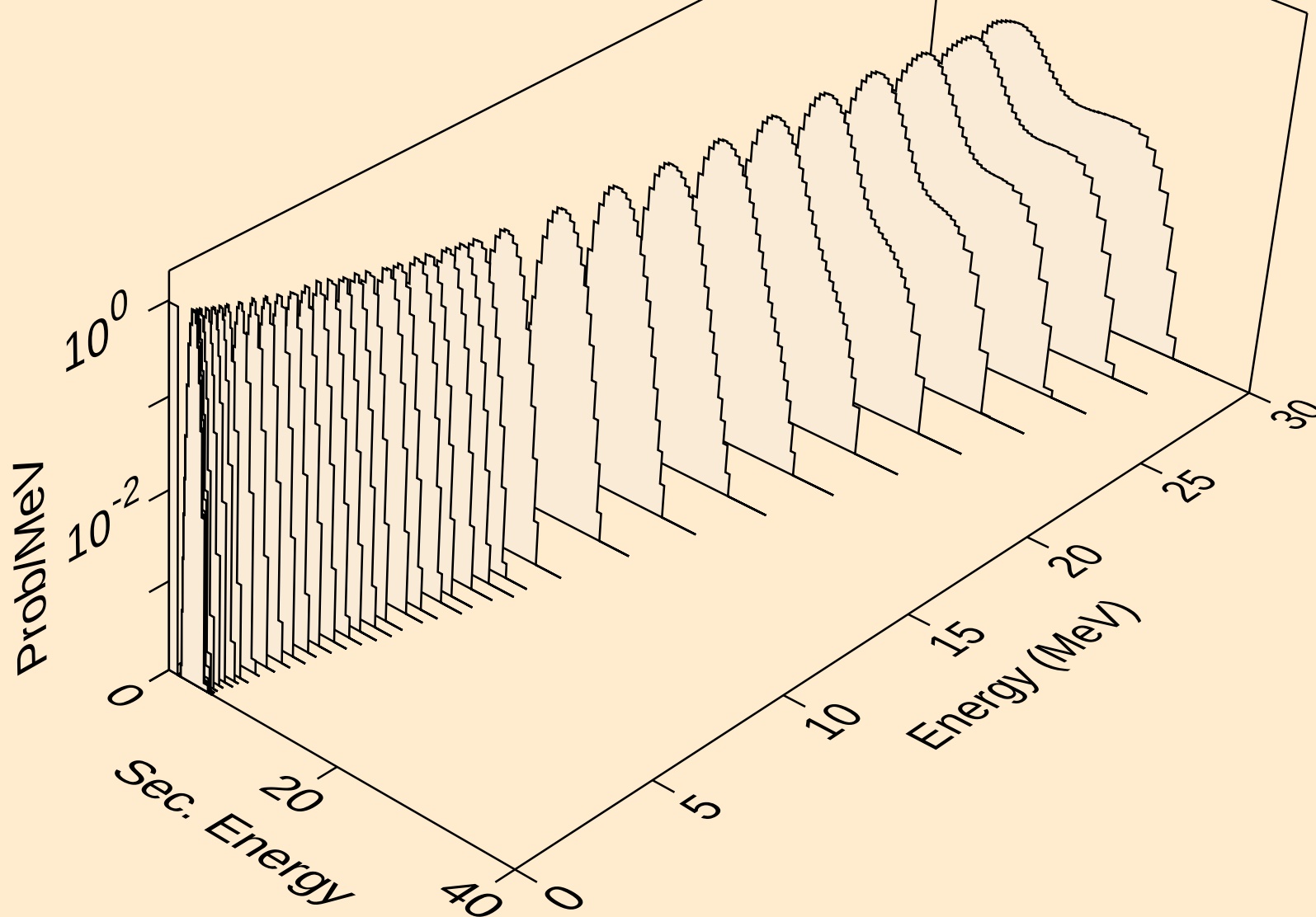
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



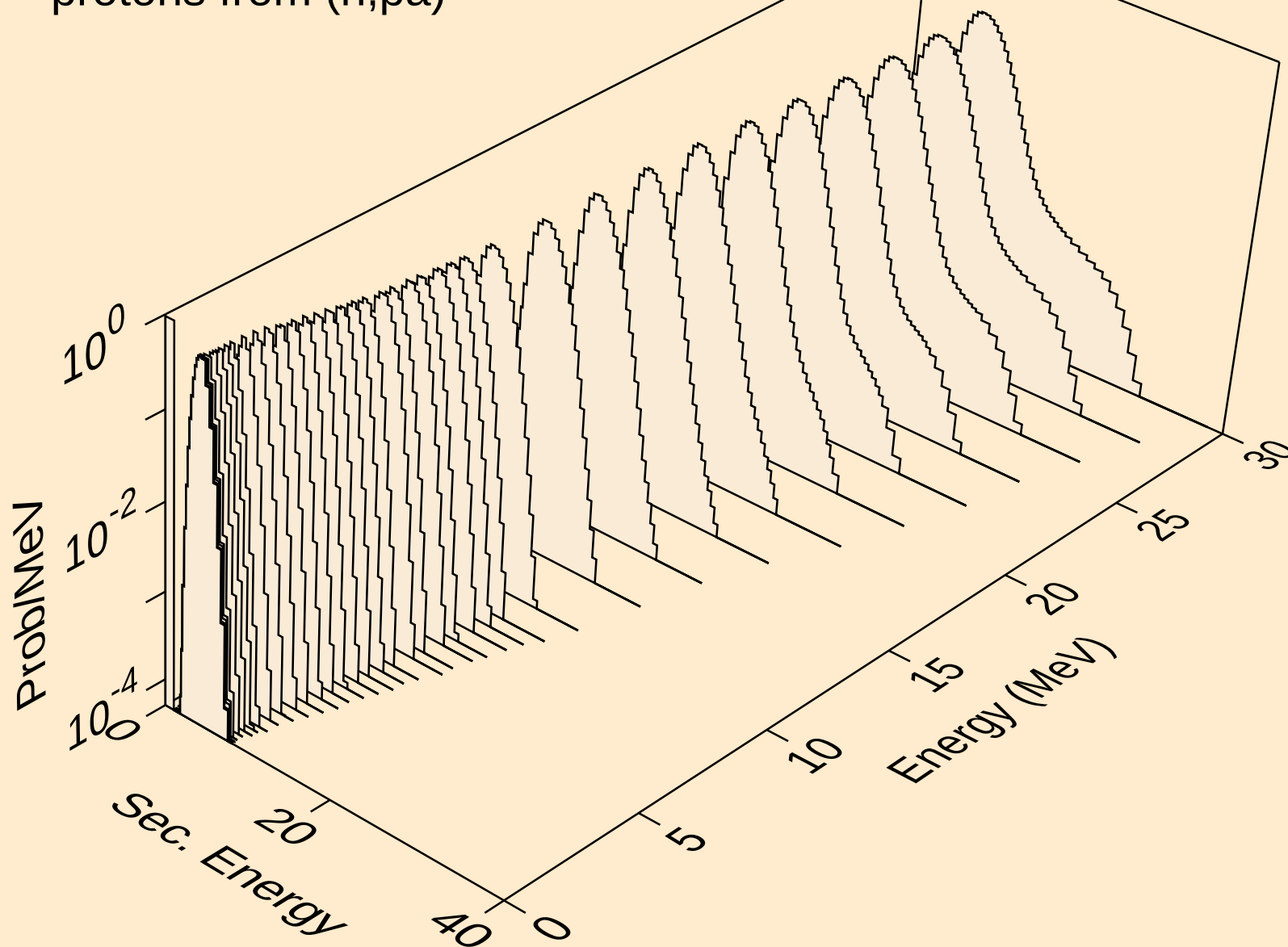
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



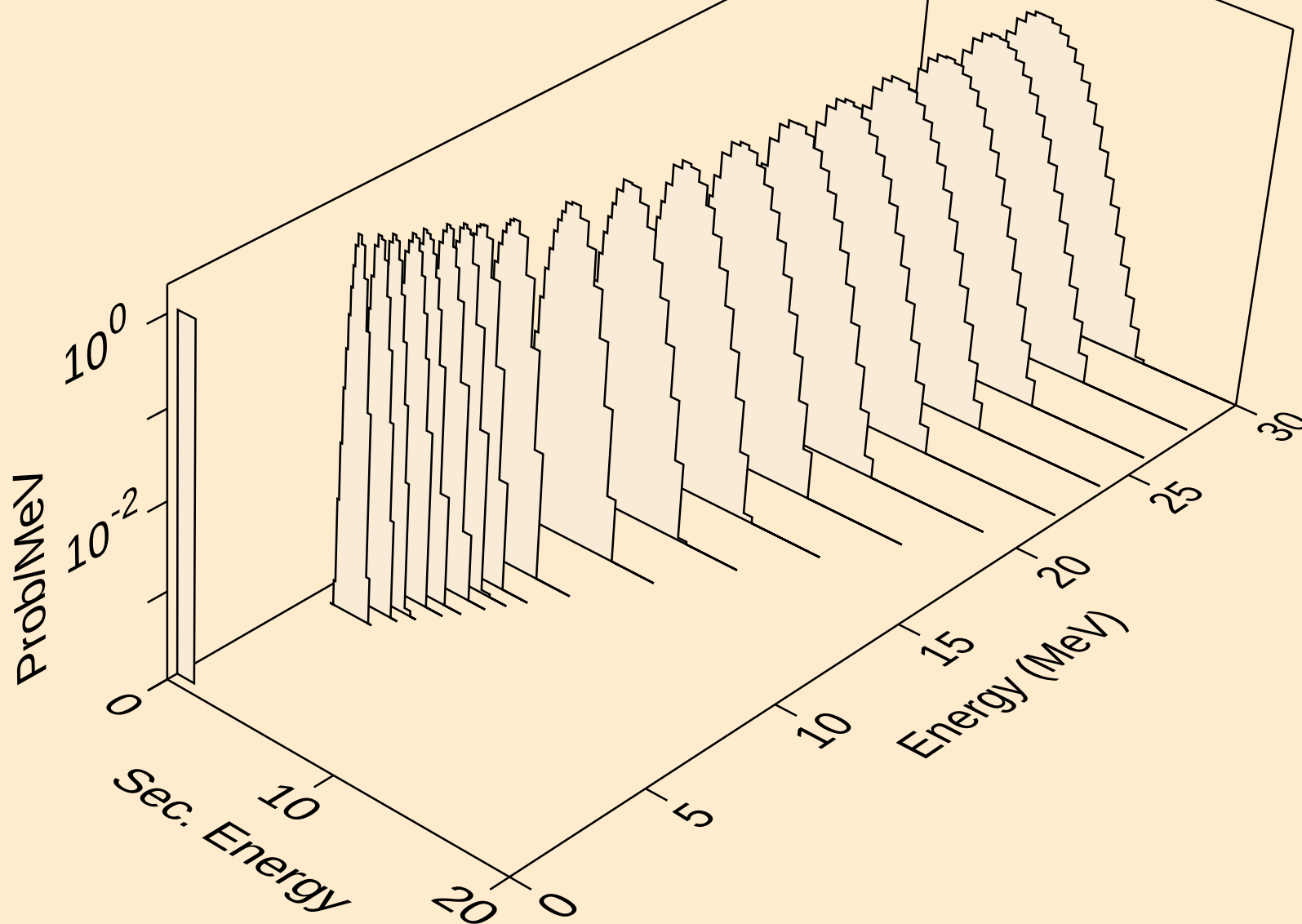
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protons from (n,2p)



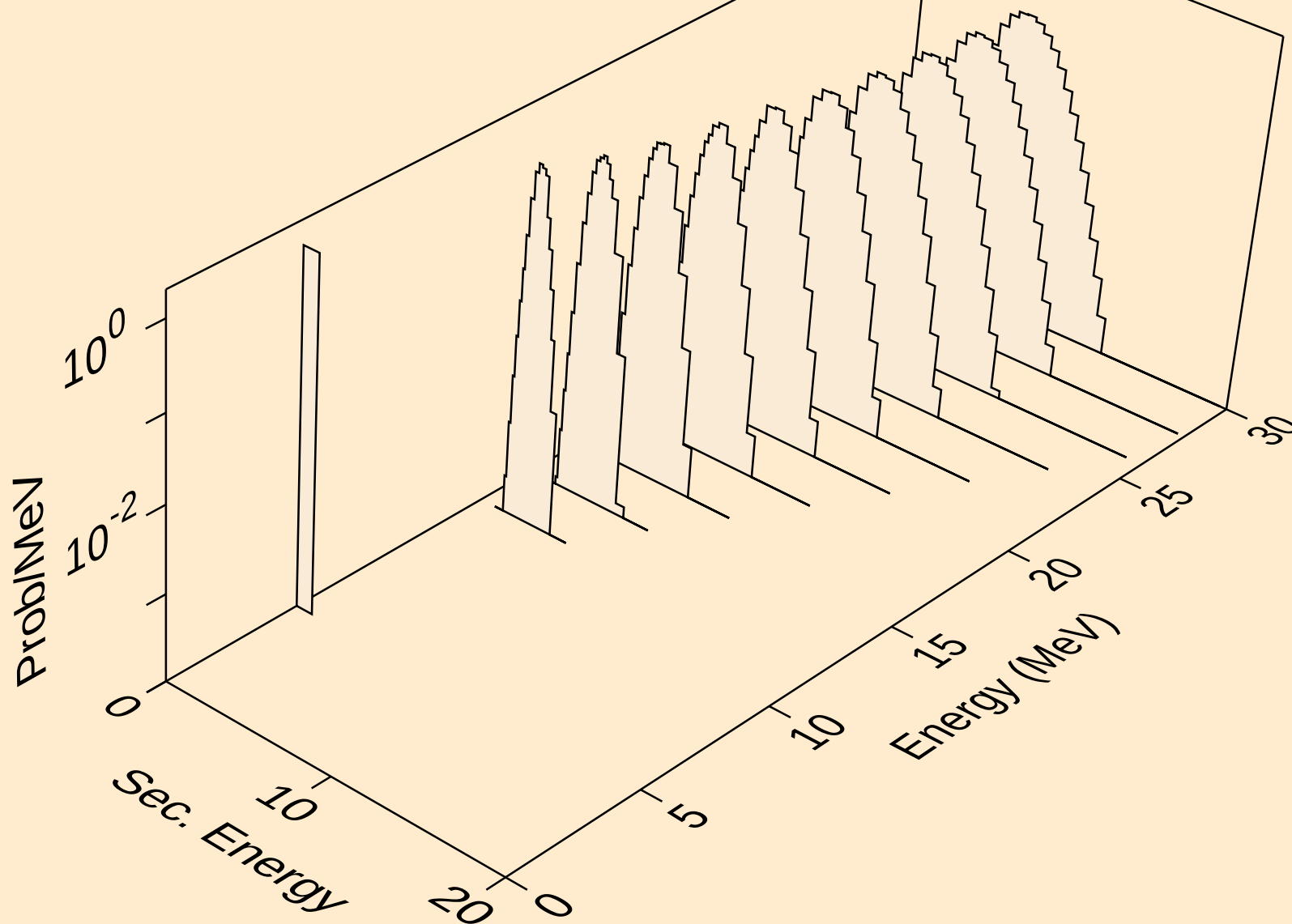
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



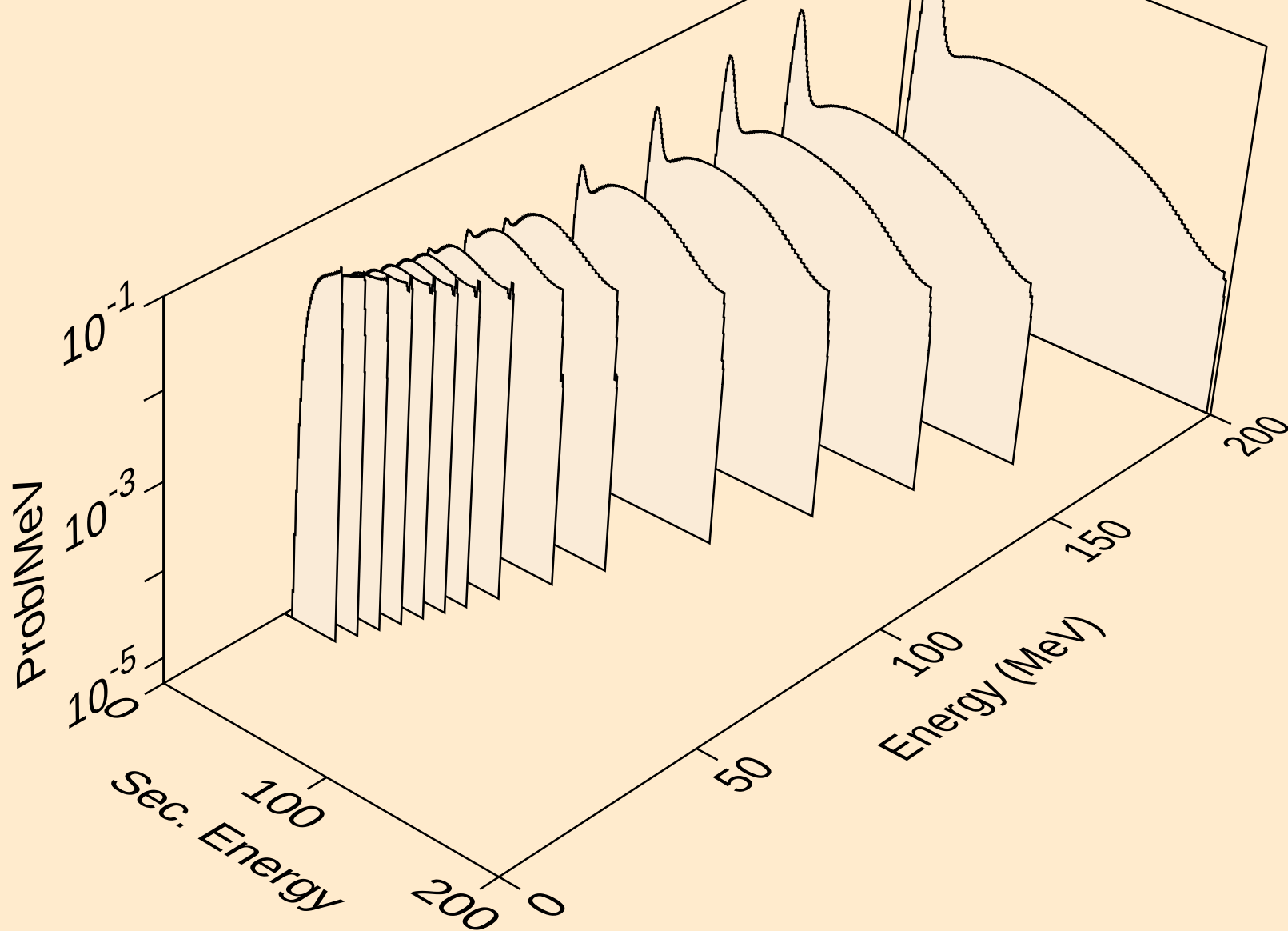
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protons from (n,pd)



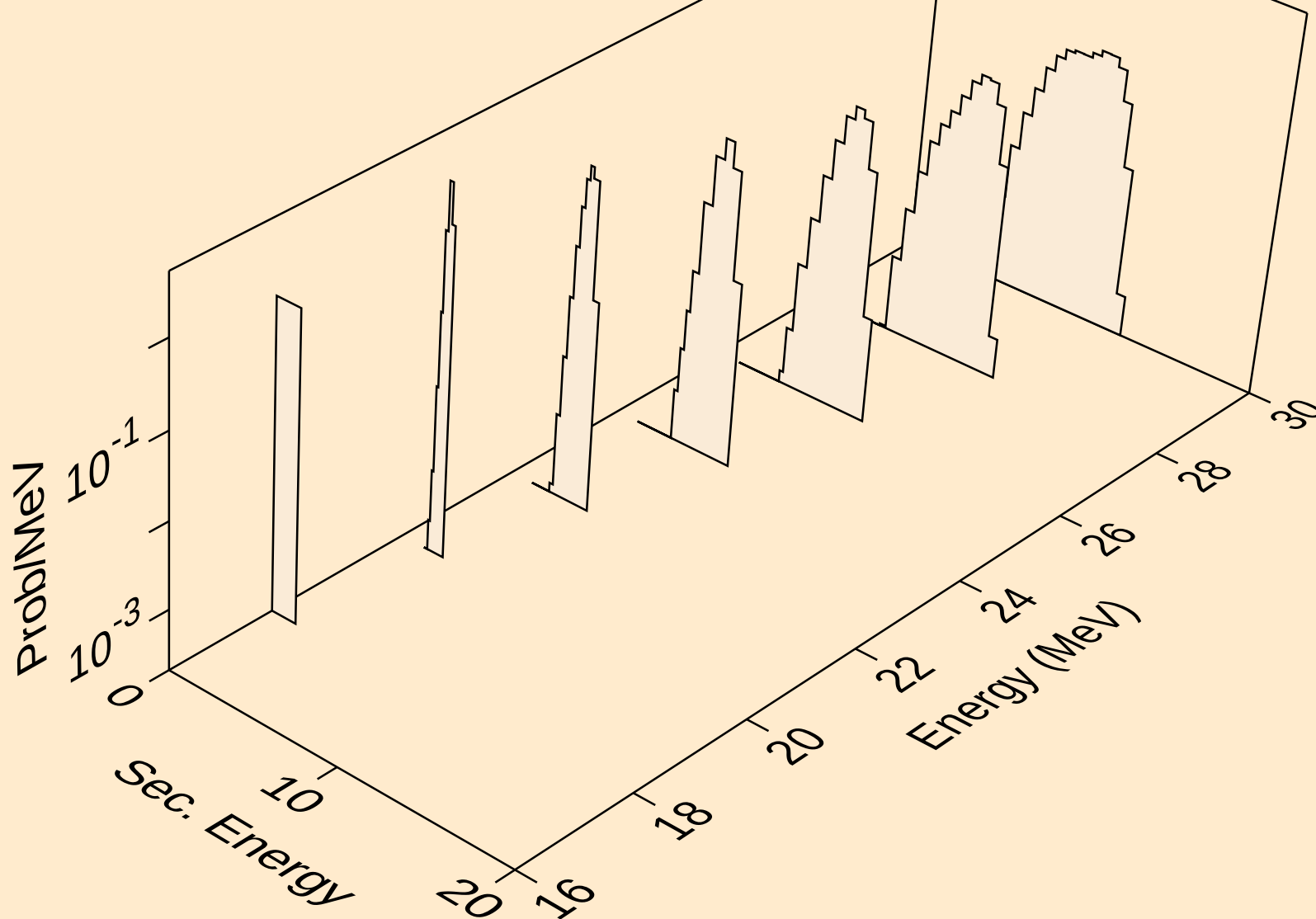
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protons from (n,pt)



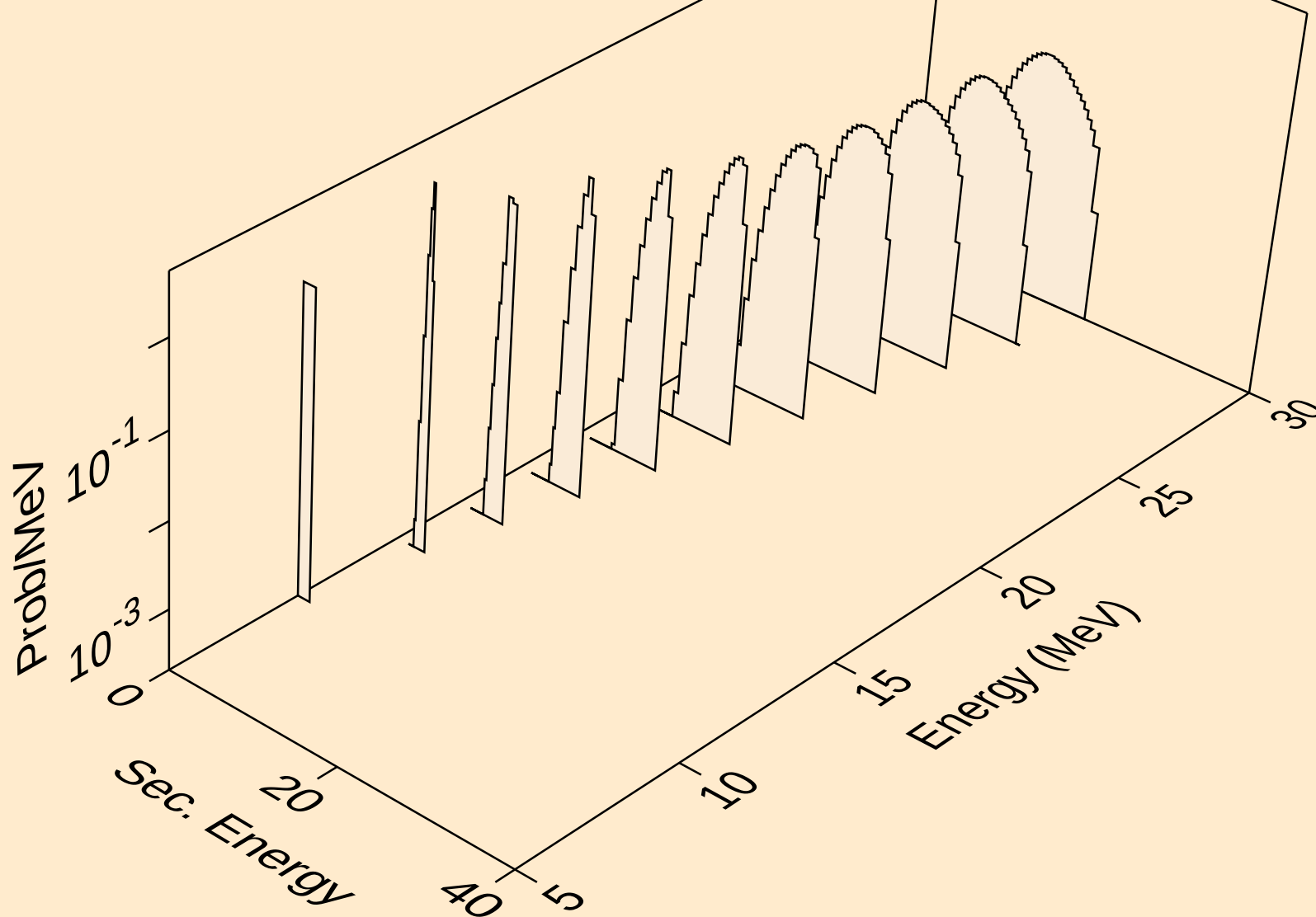
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



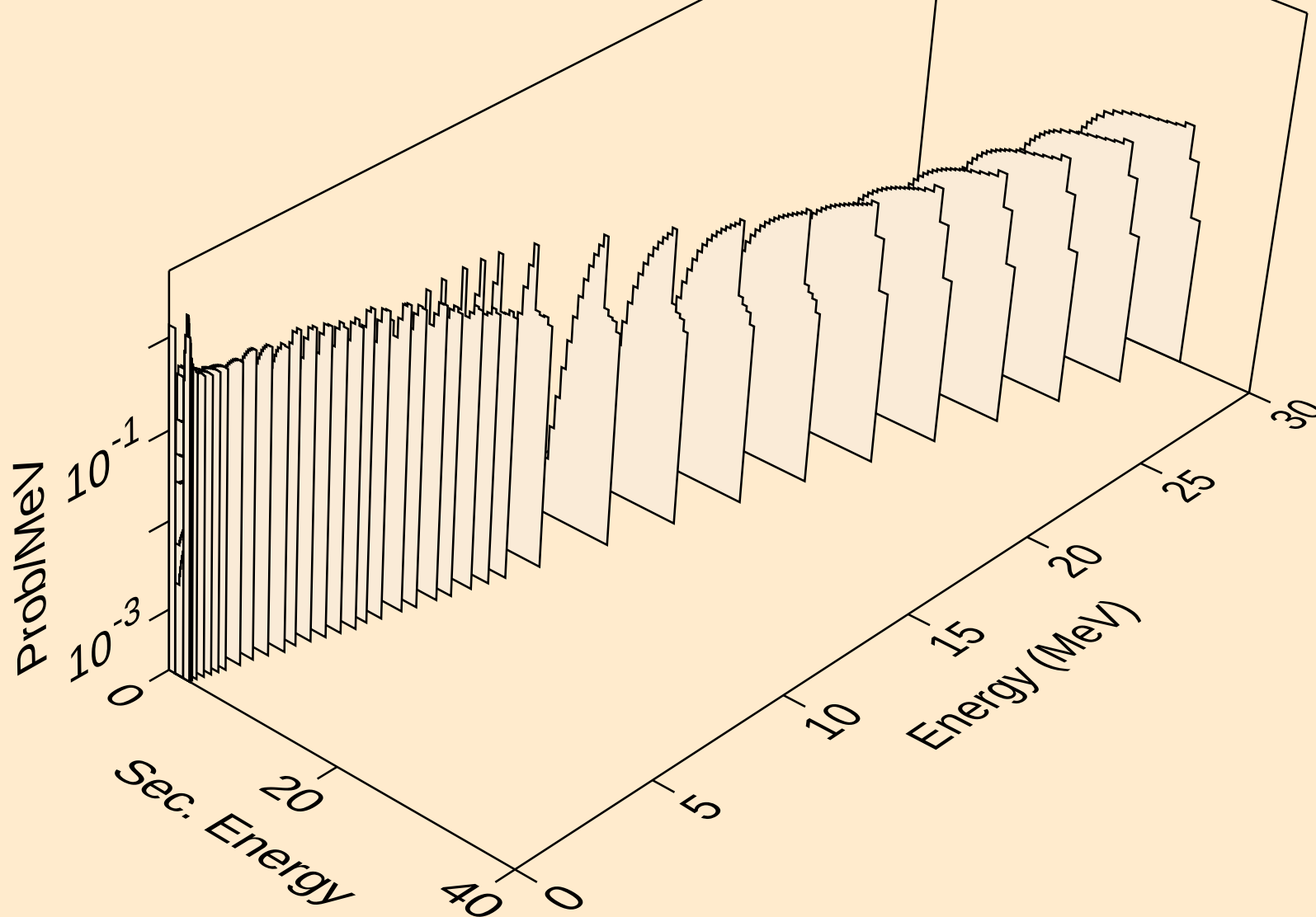
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,2nd)



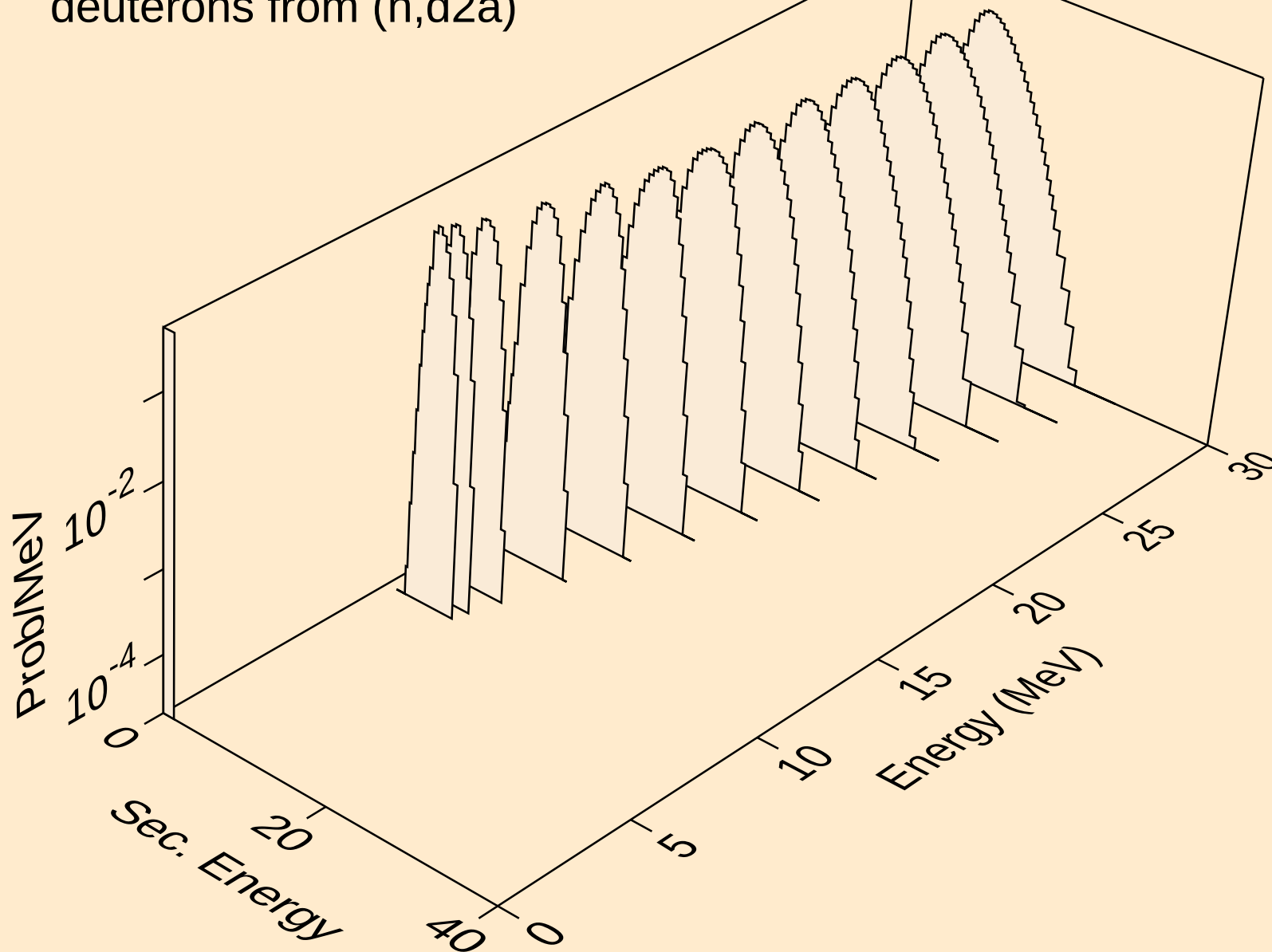
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



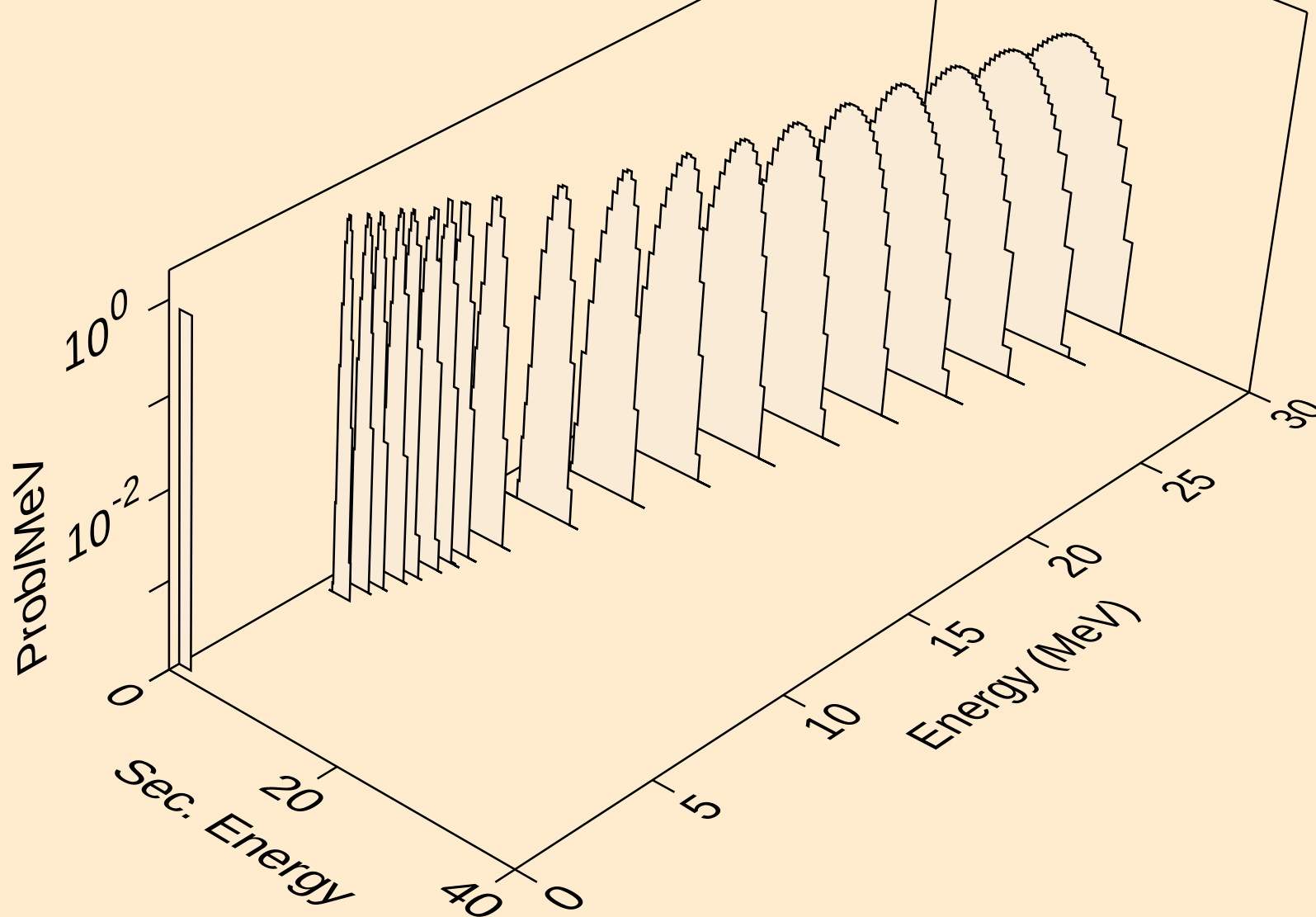
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



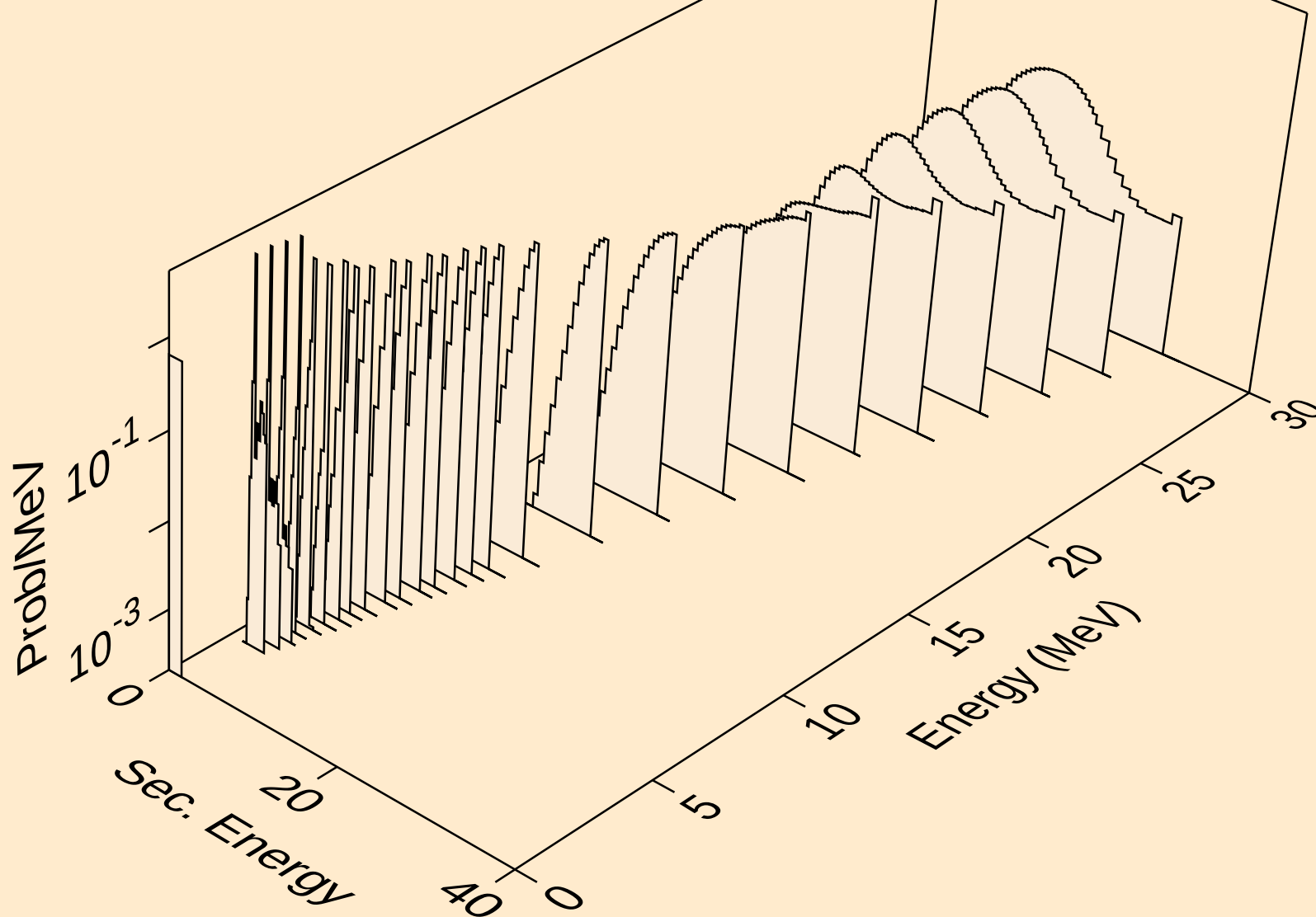
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d2a)



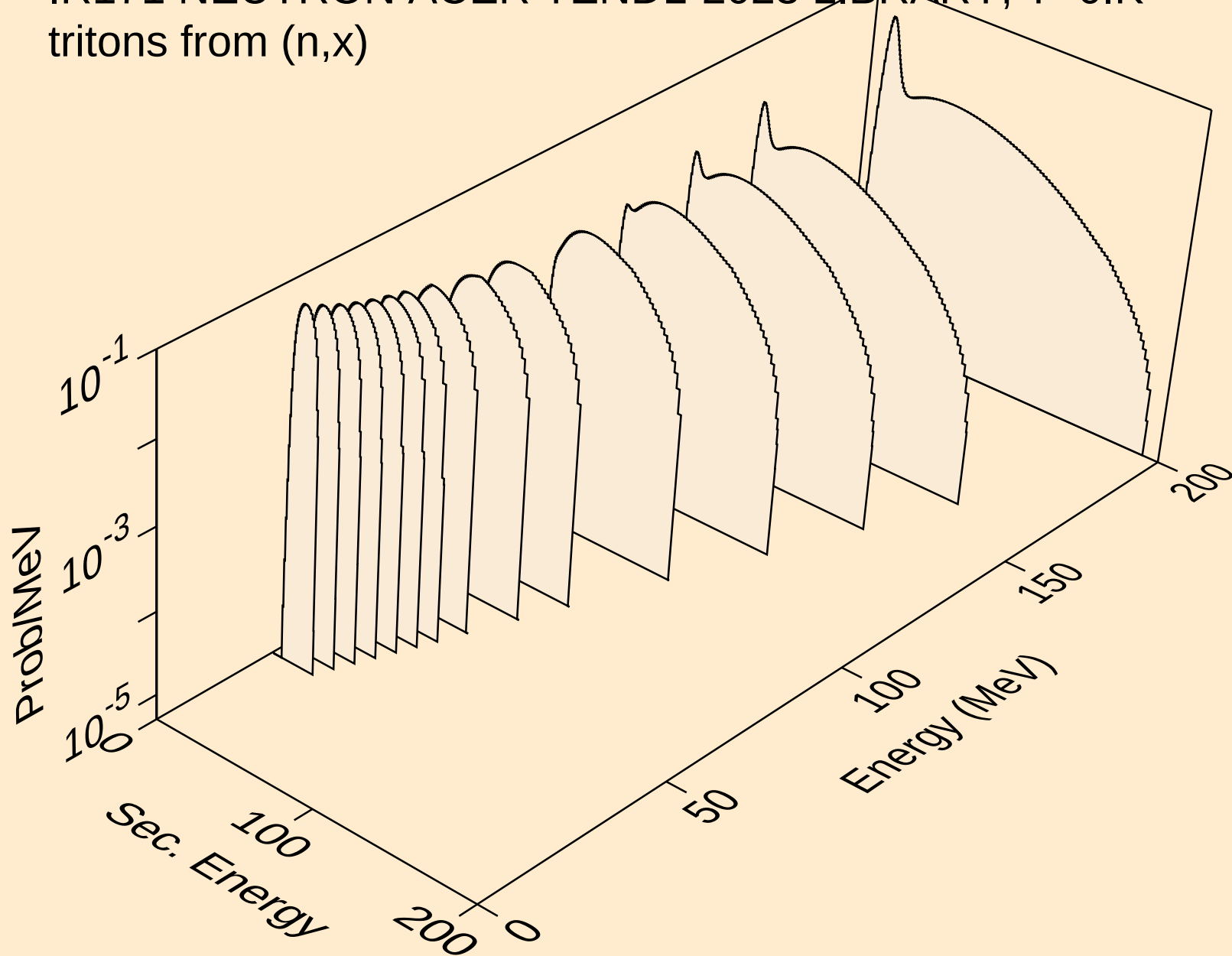
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deuterons from (n,pd)



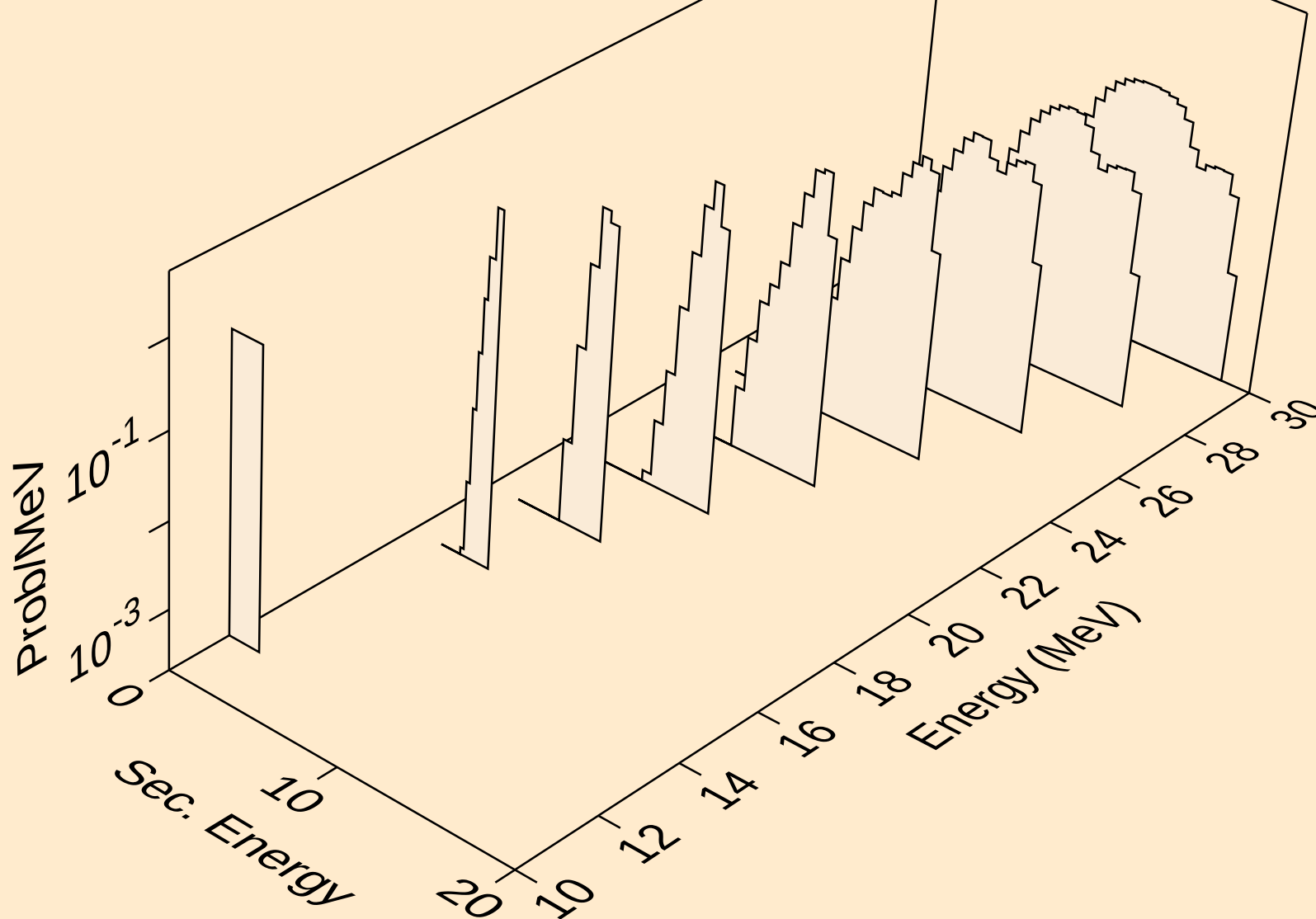
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deuterons from (n,da)



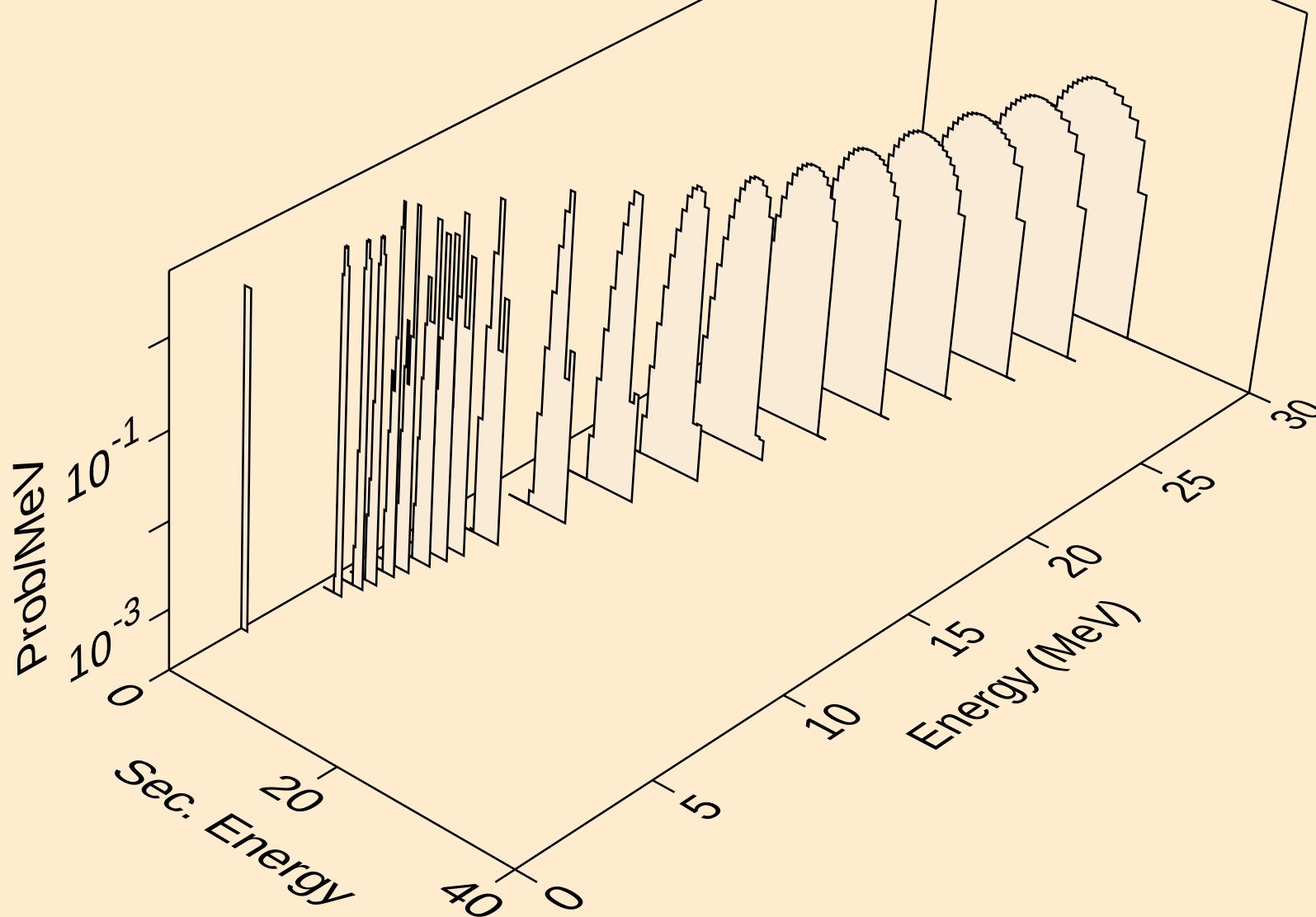
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tritons from (n,x)



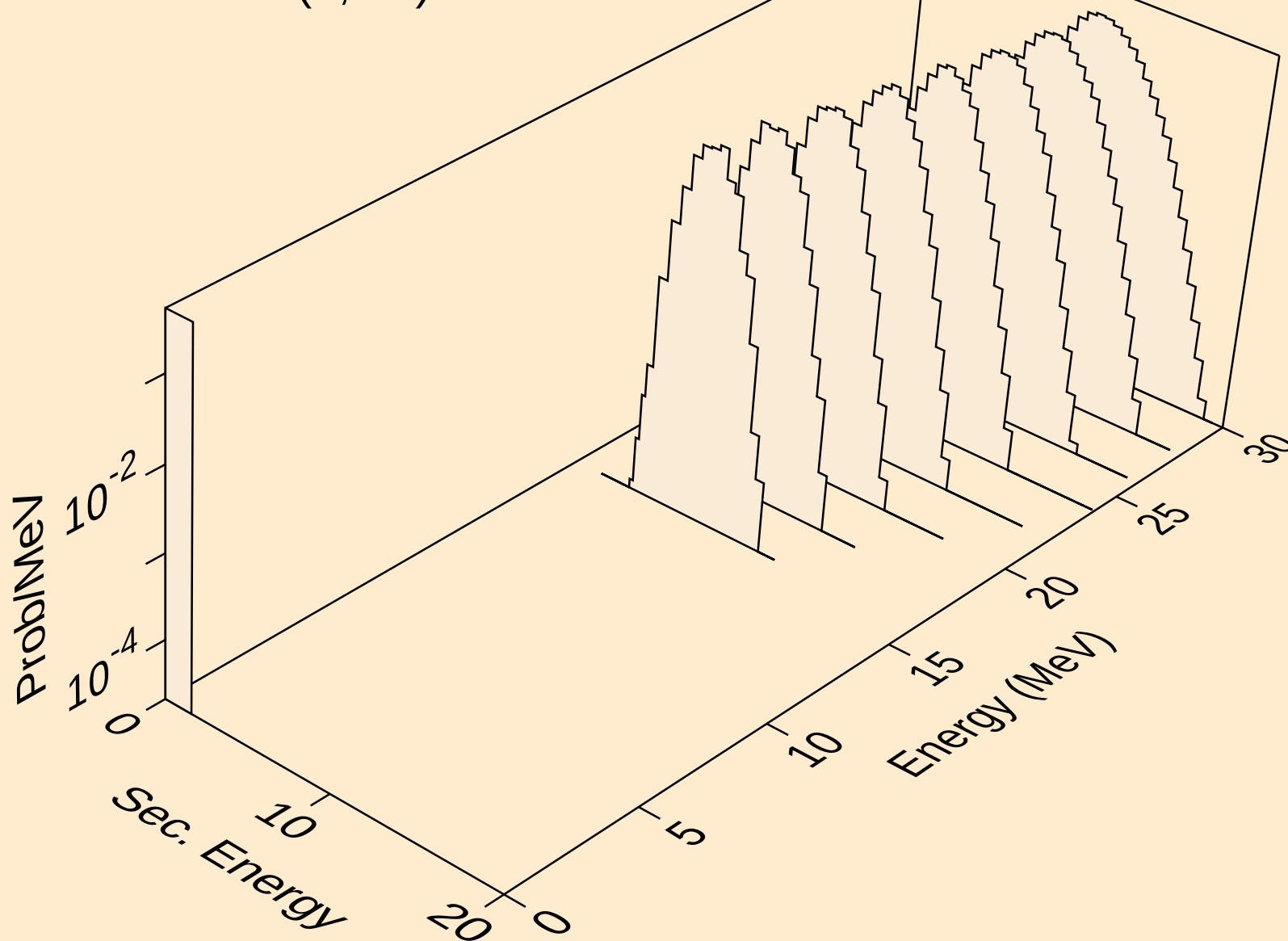
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



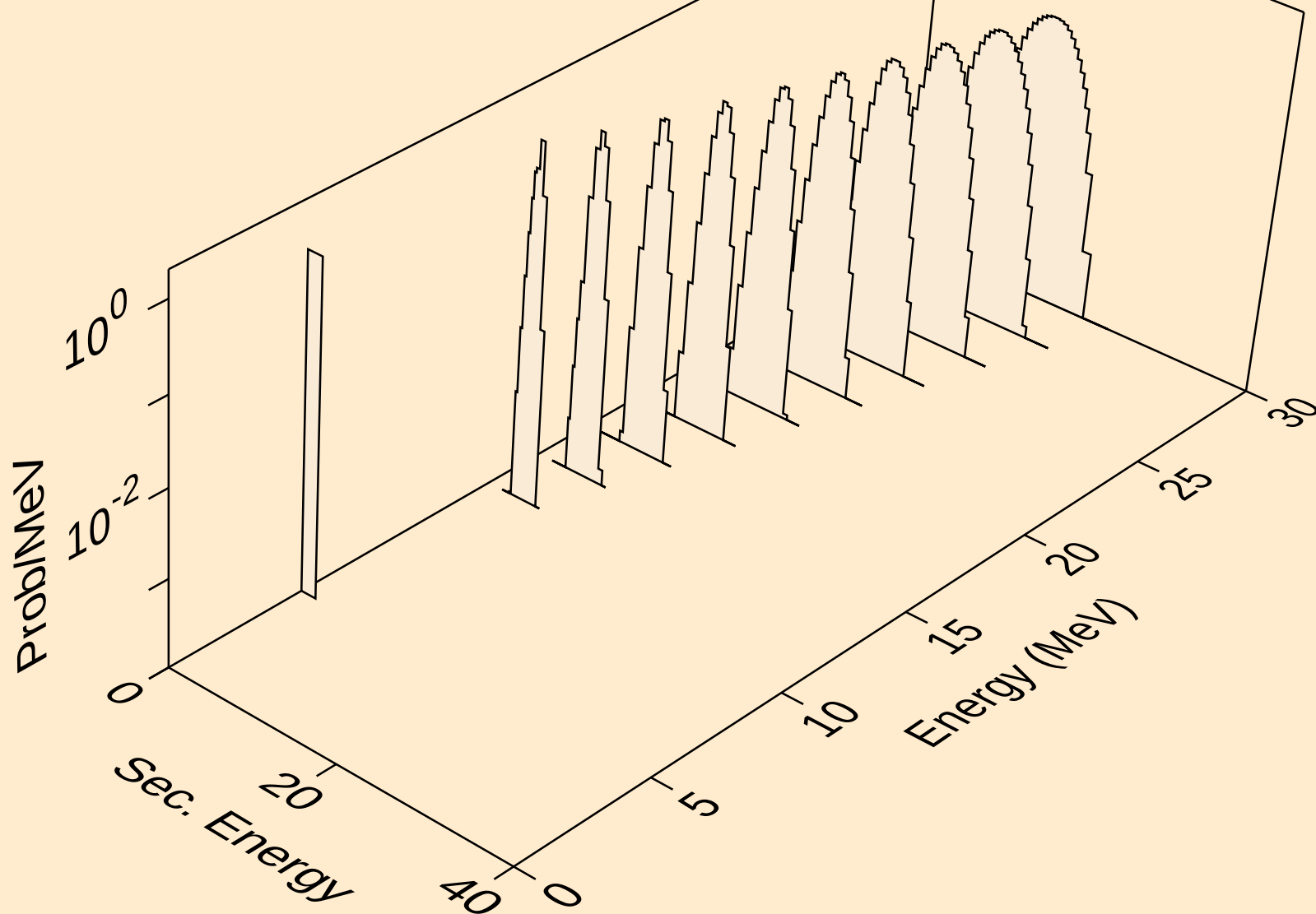
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



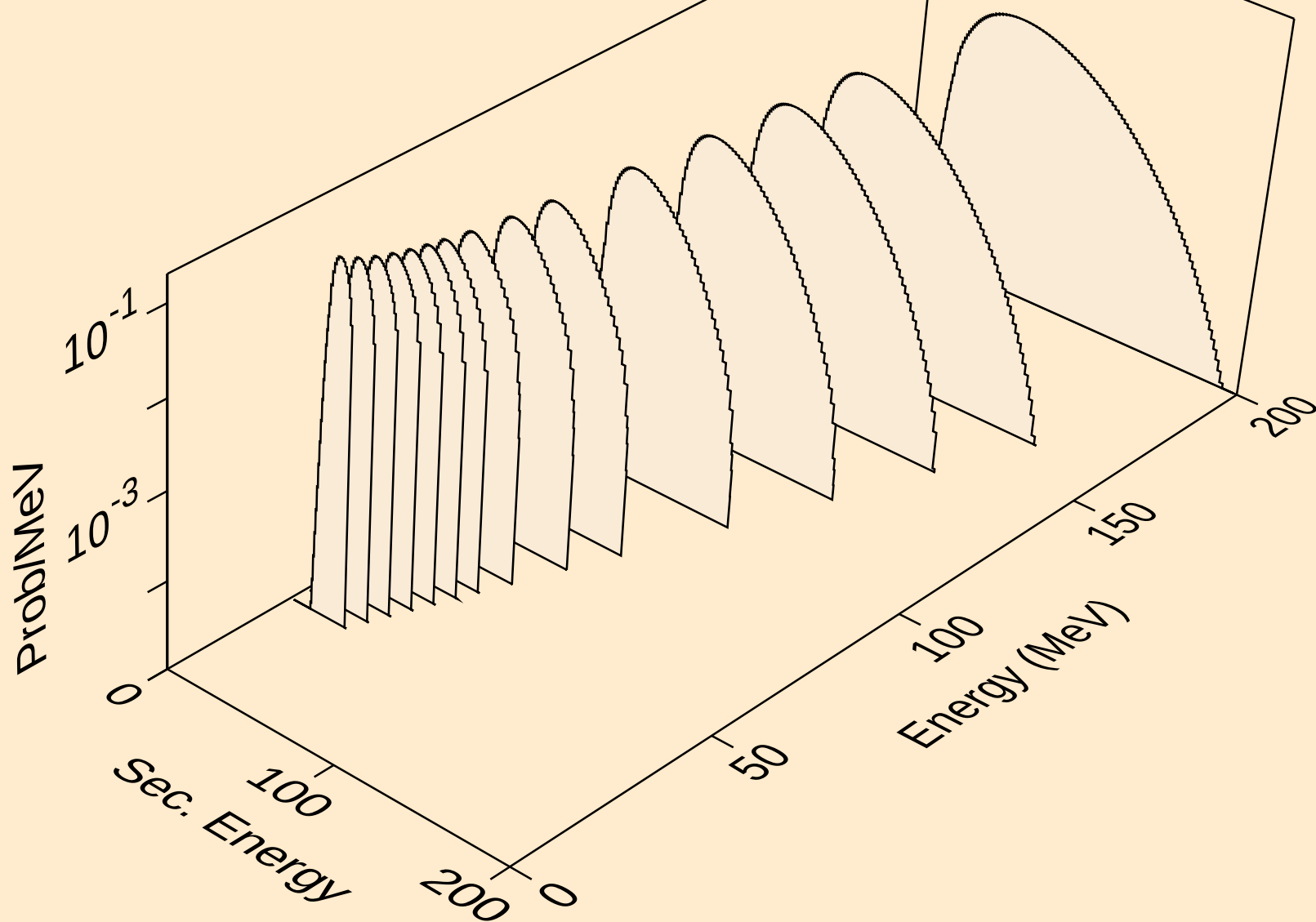
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t2a)



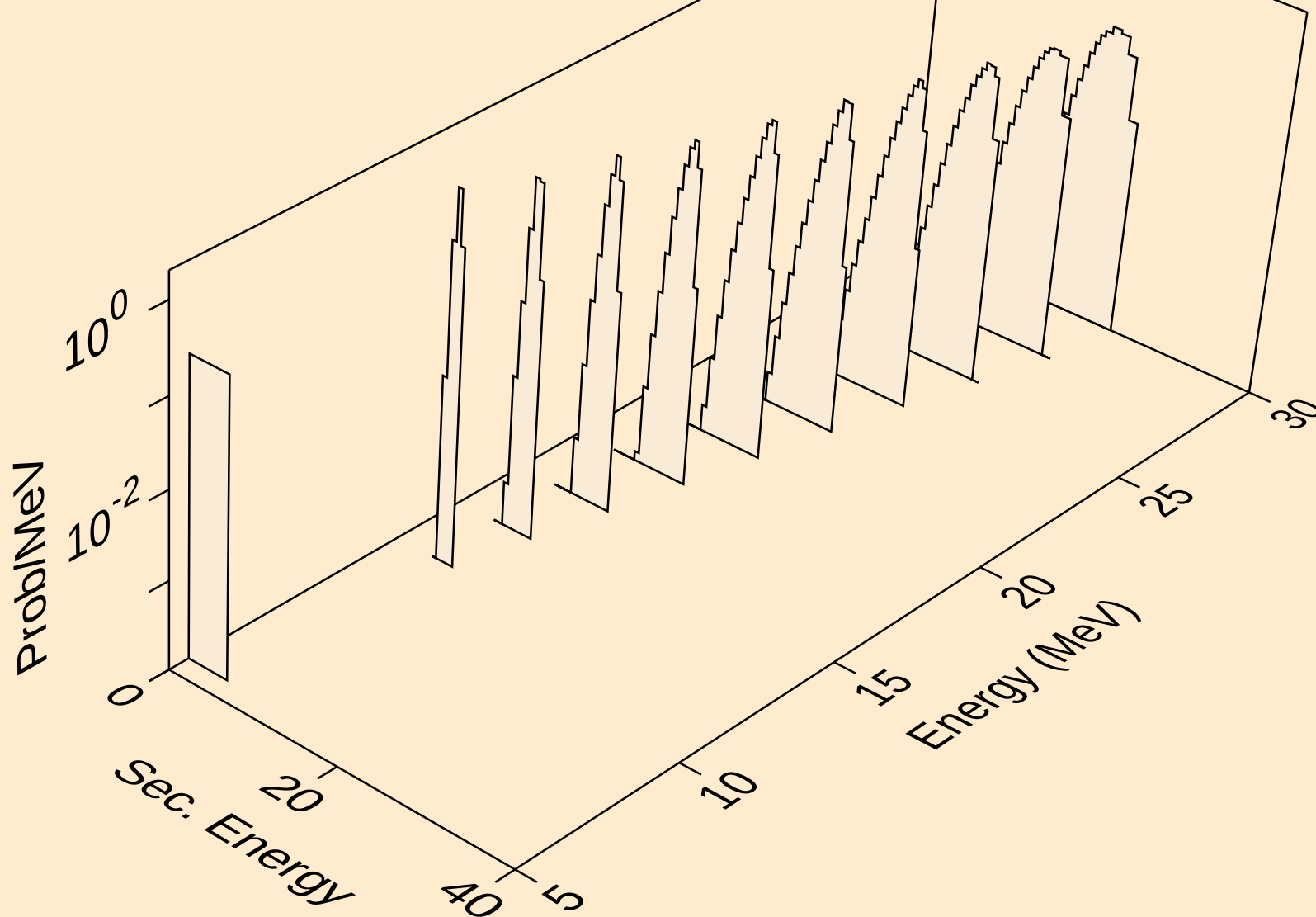
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



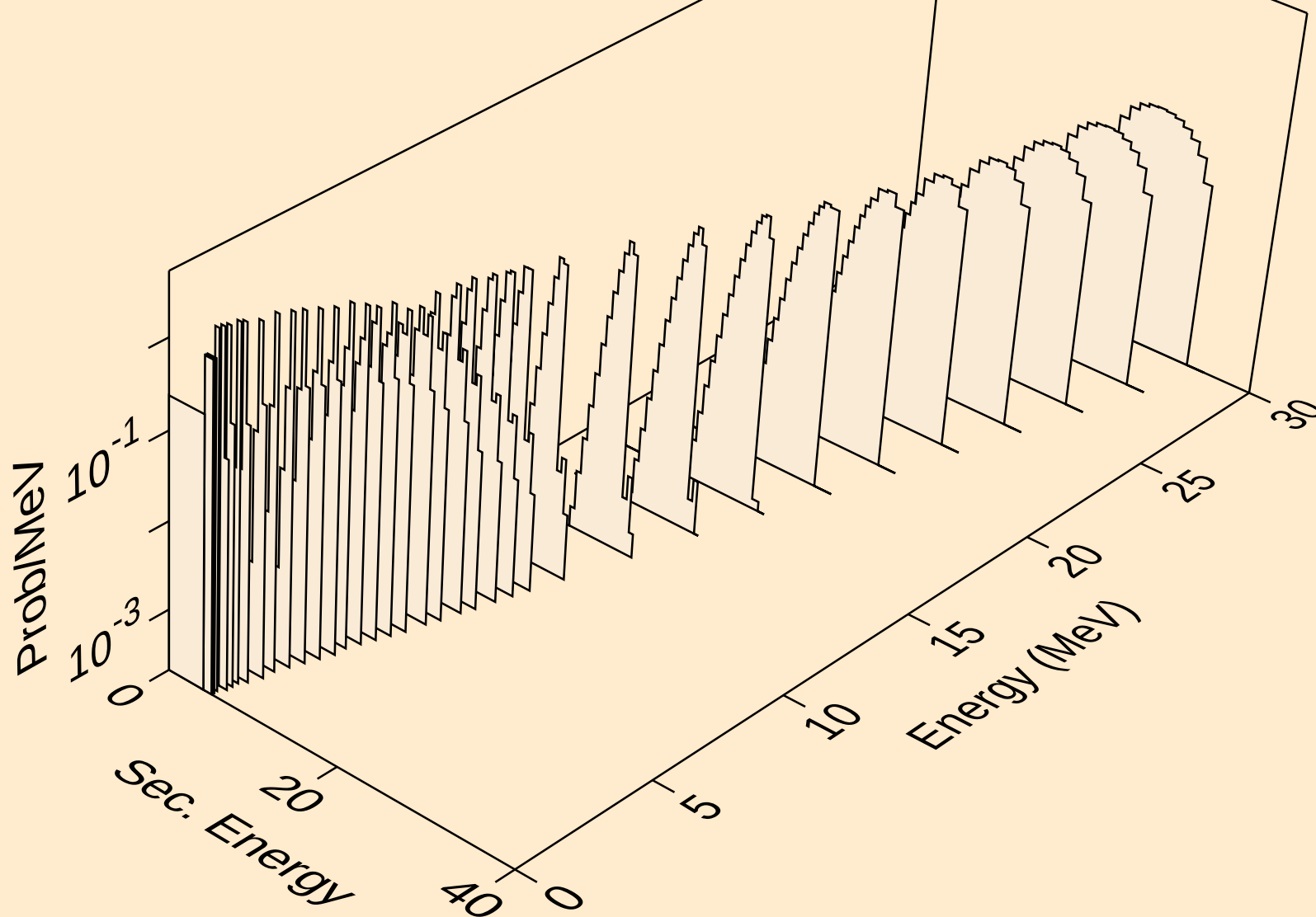
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



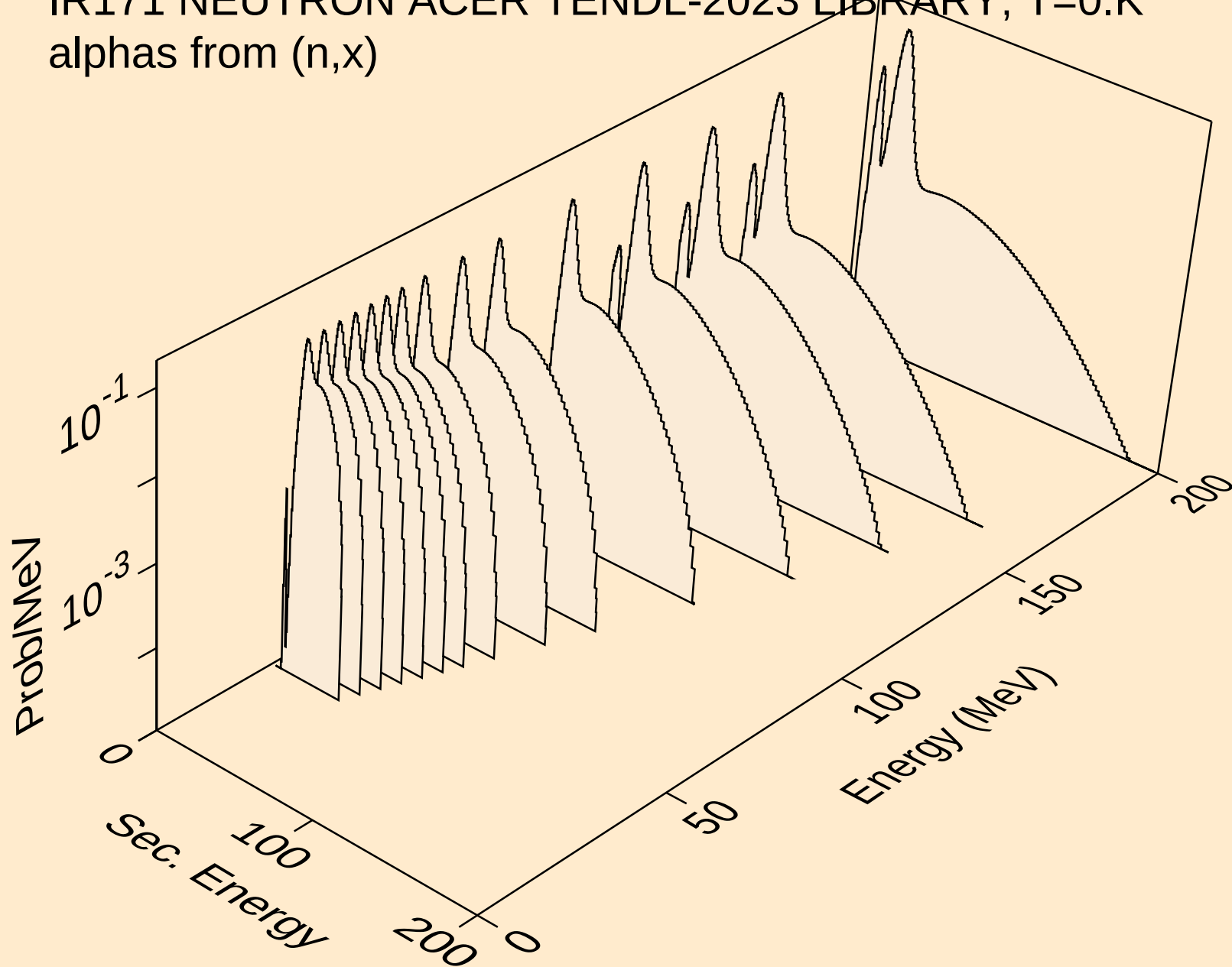
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



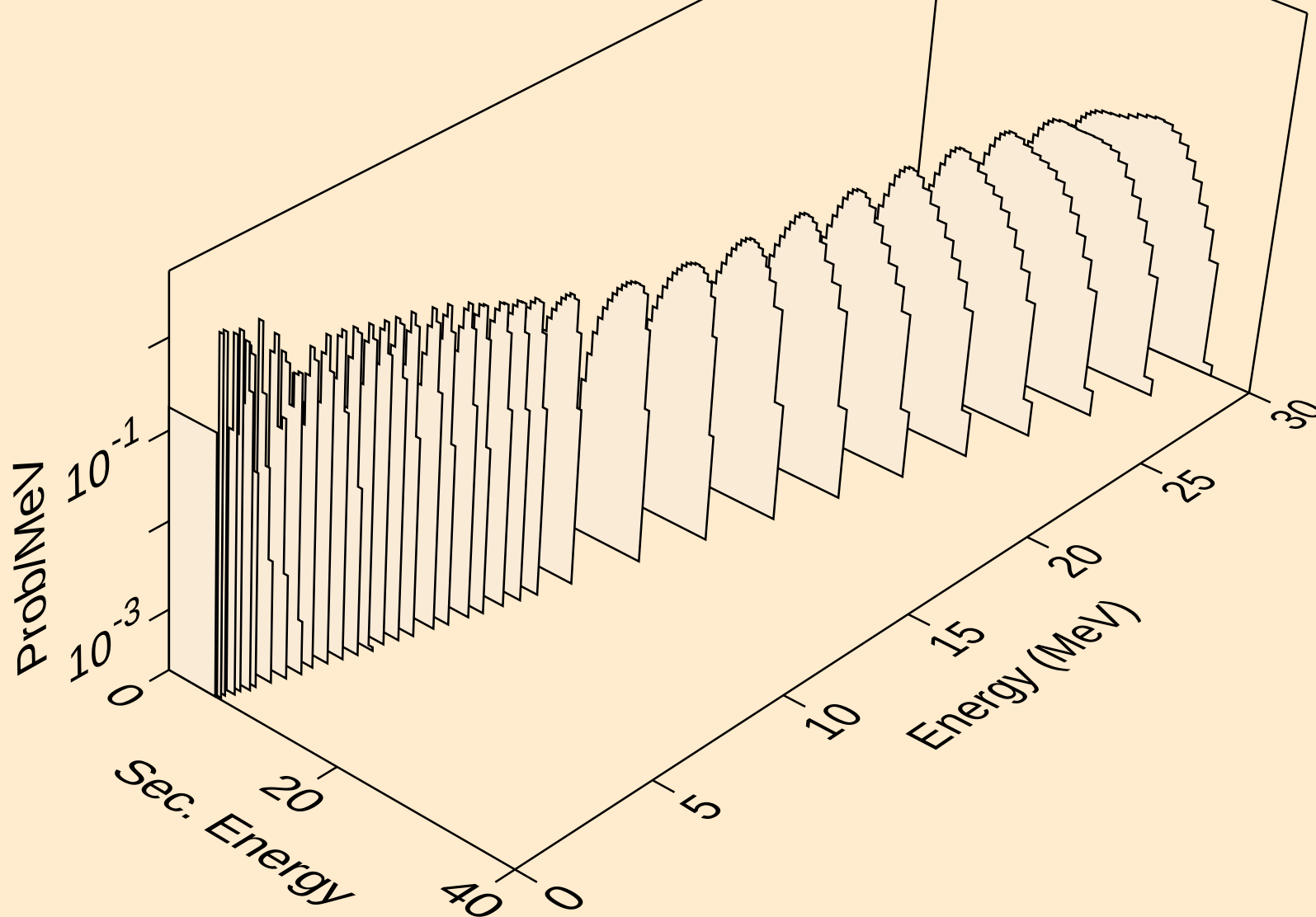
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



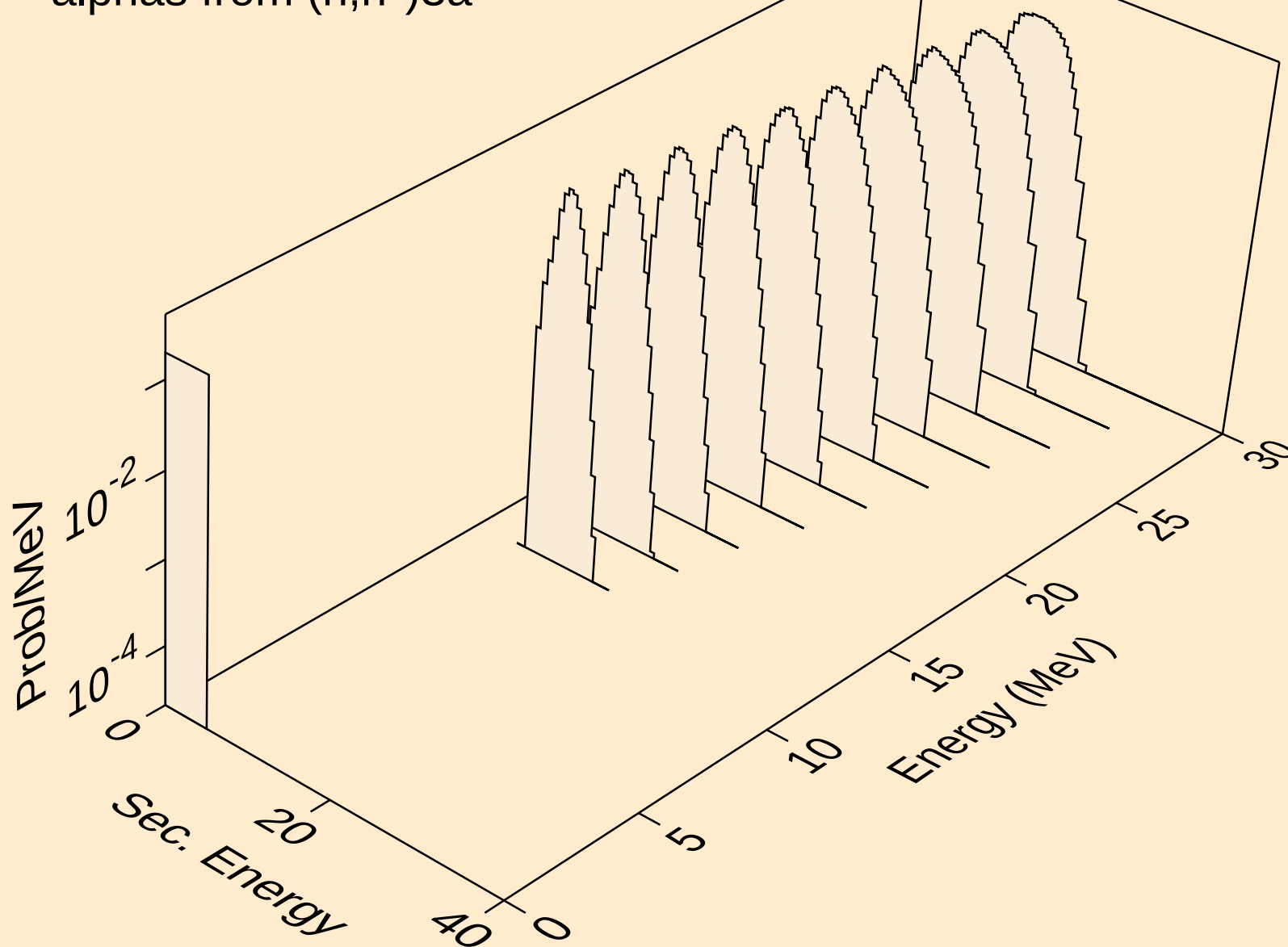
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



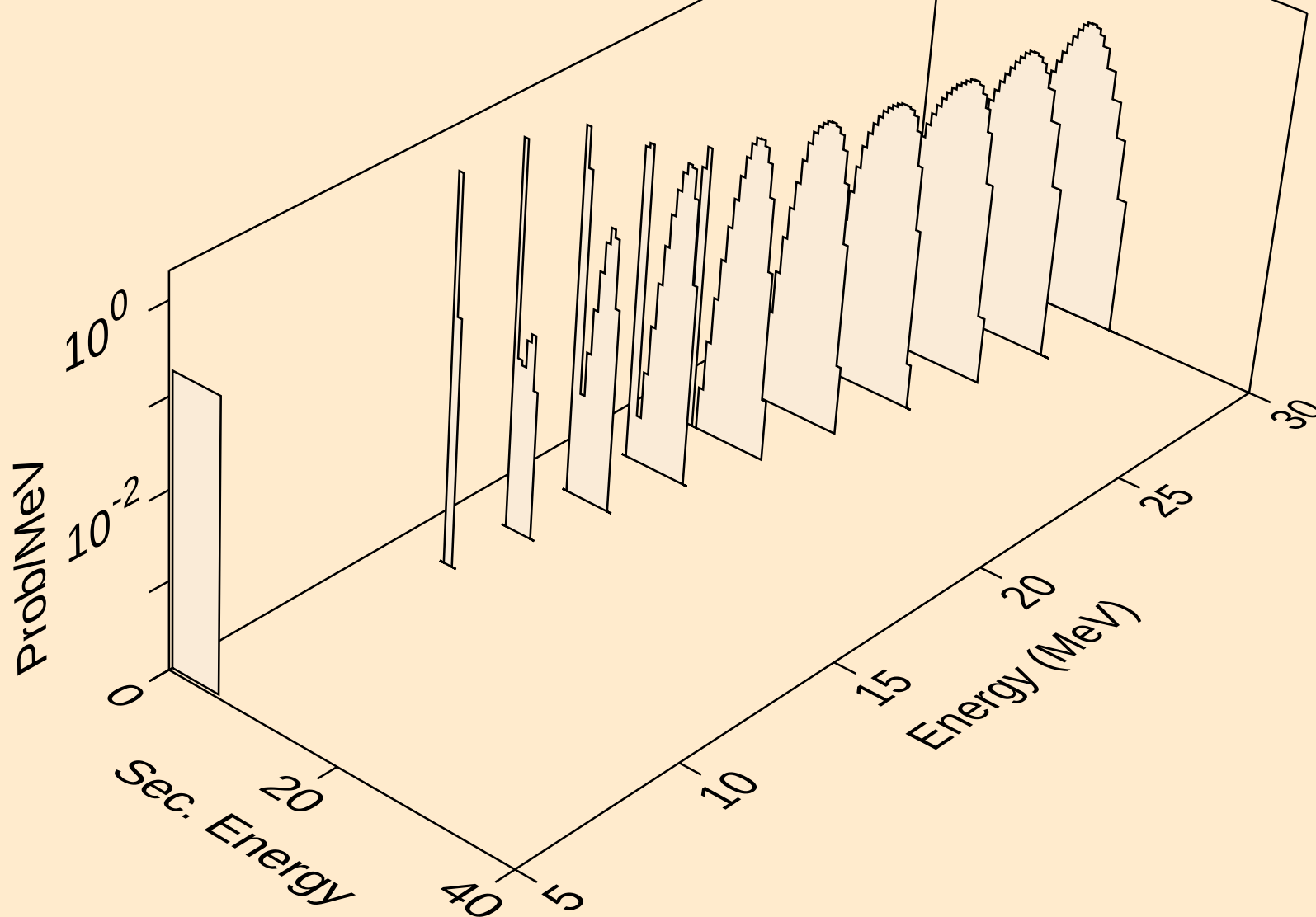
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



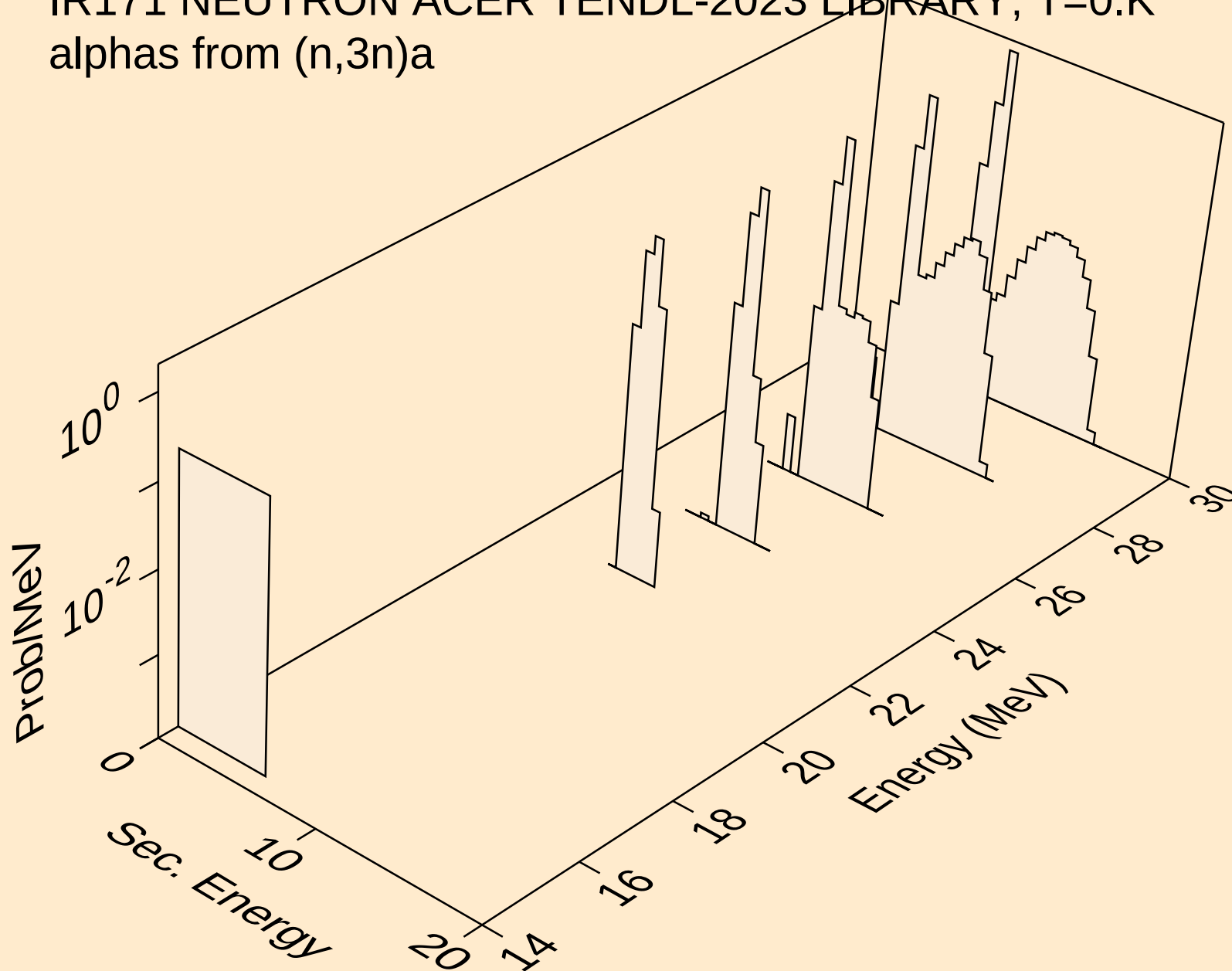
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)3a



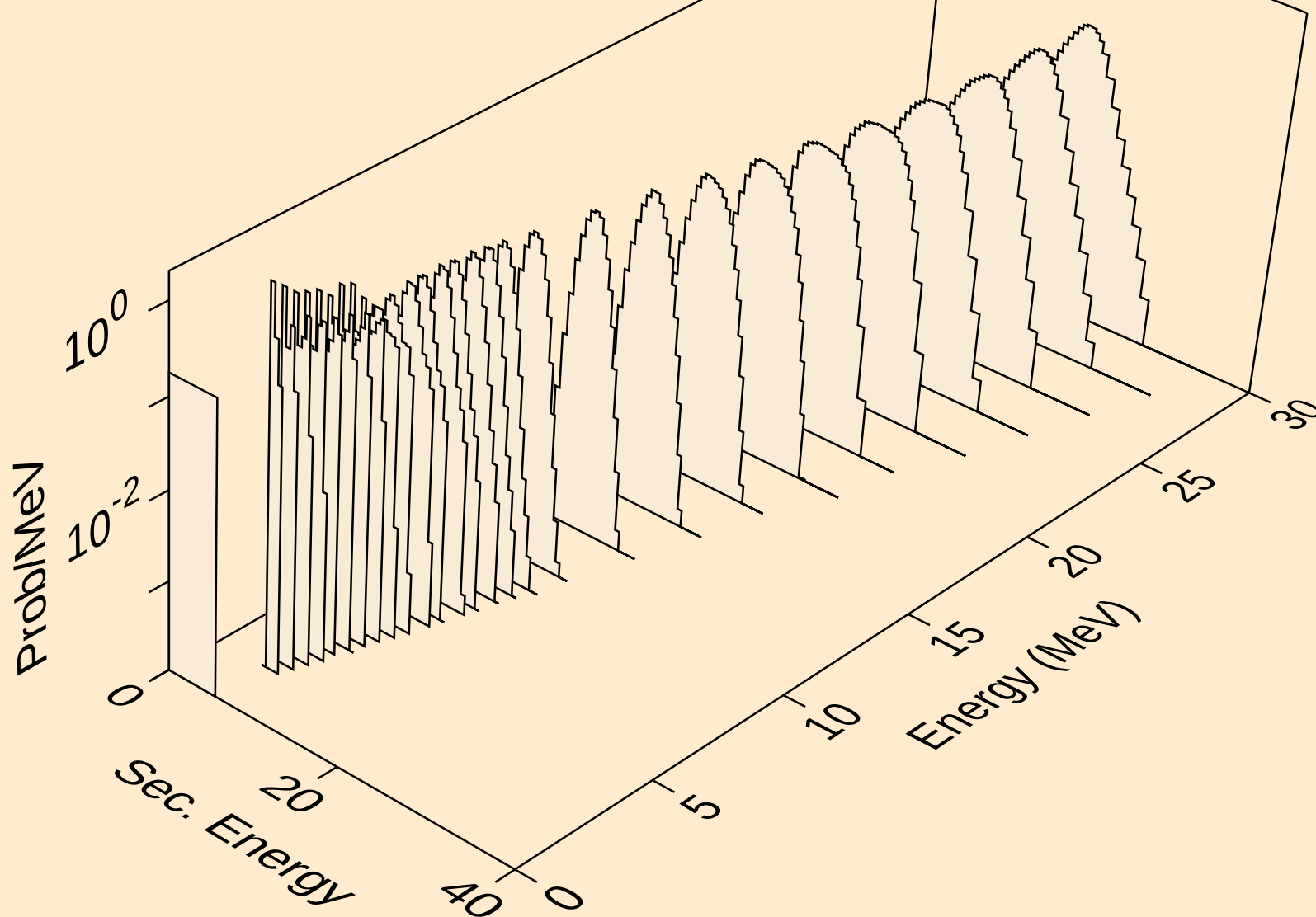
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



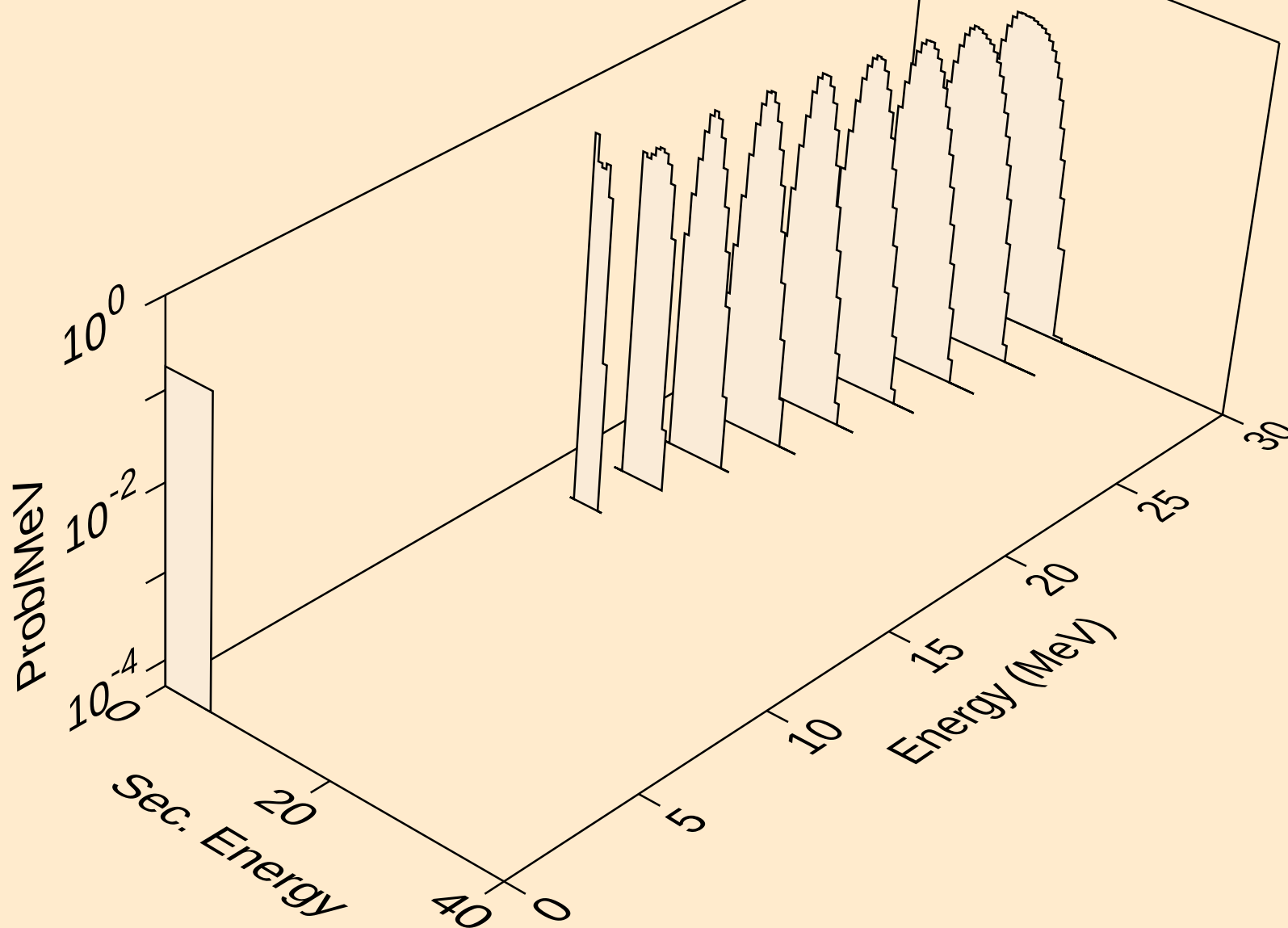
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



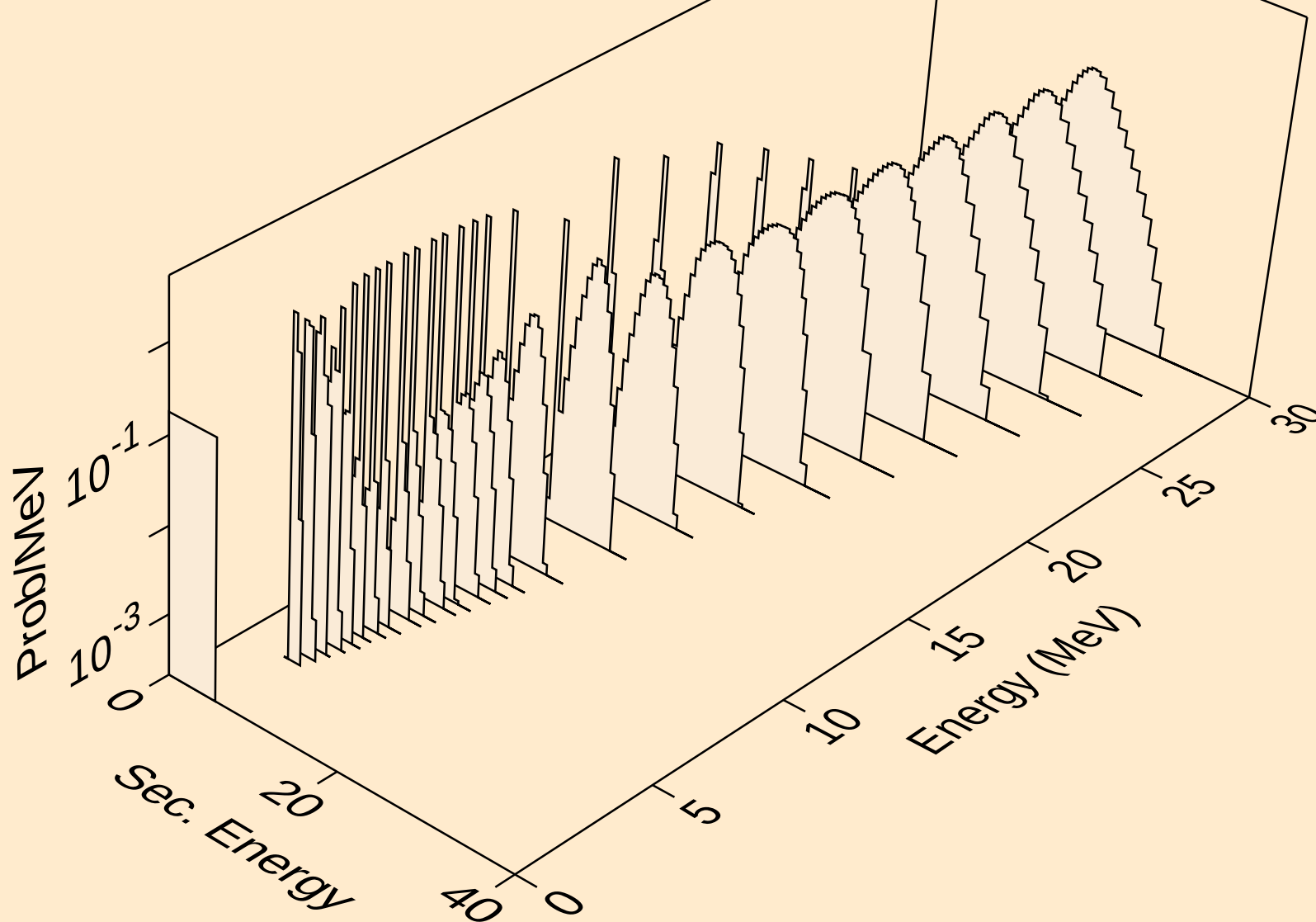
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



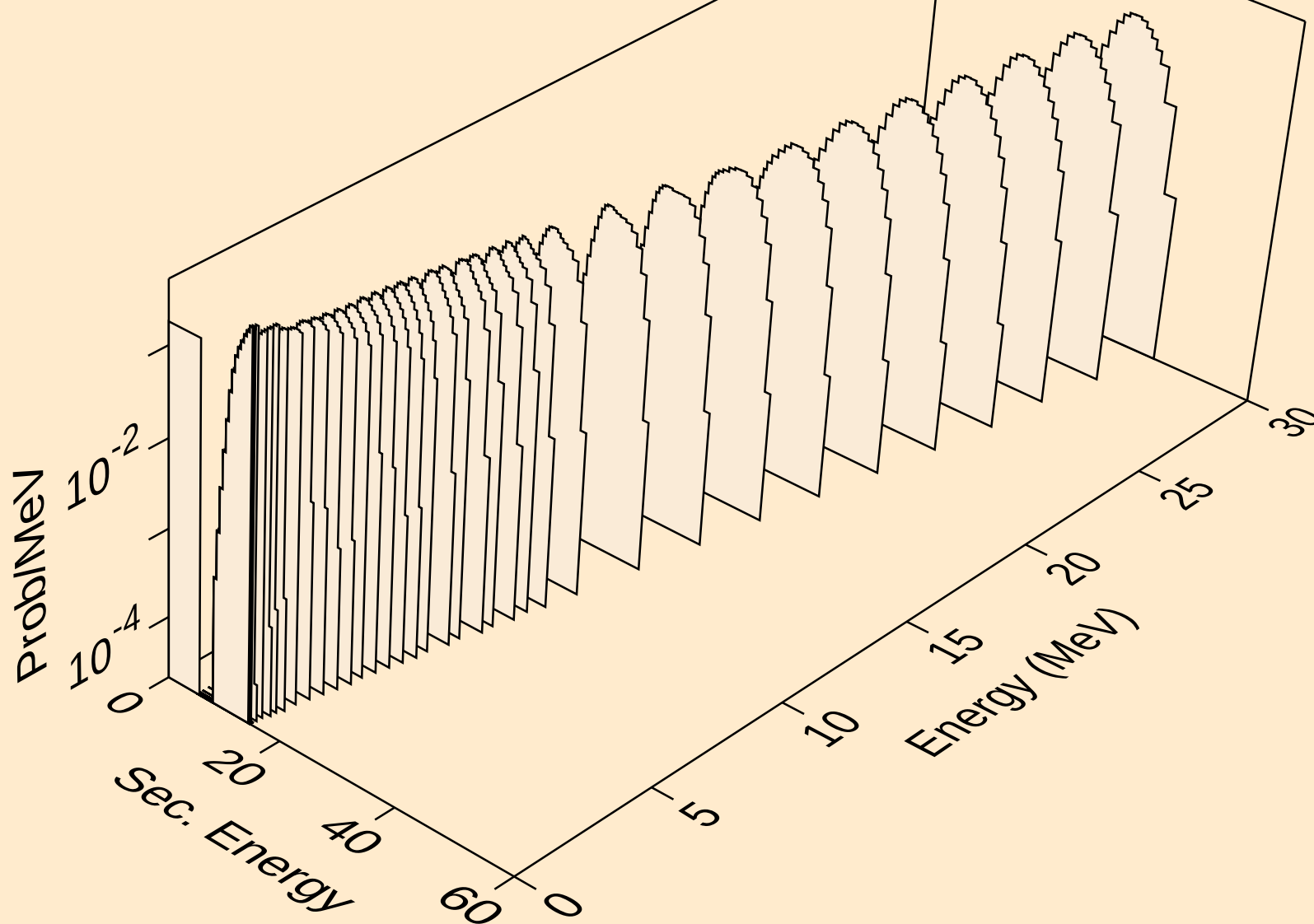
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



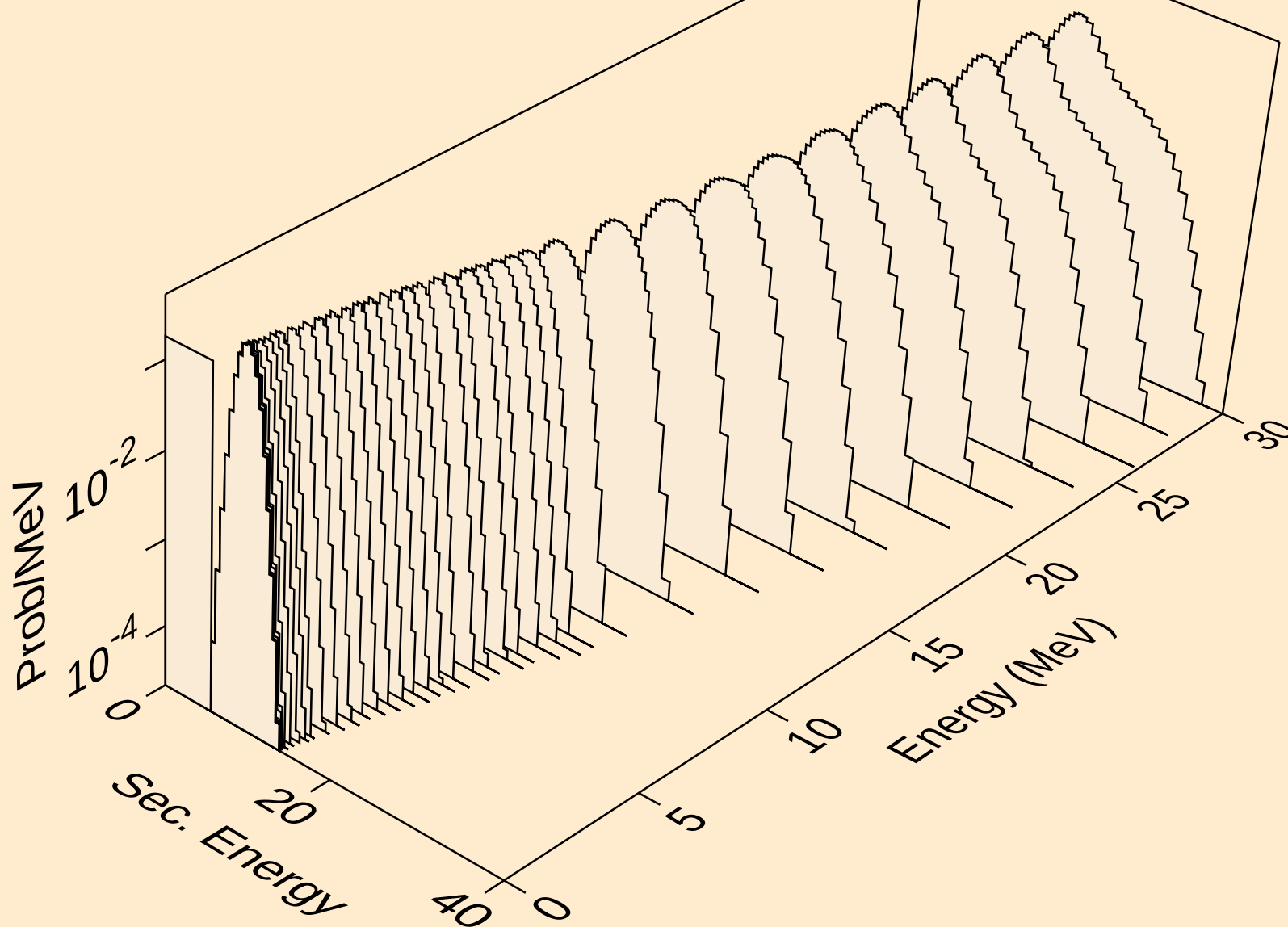
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



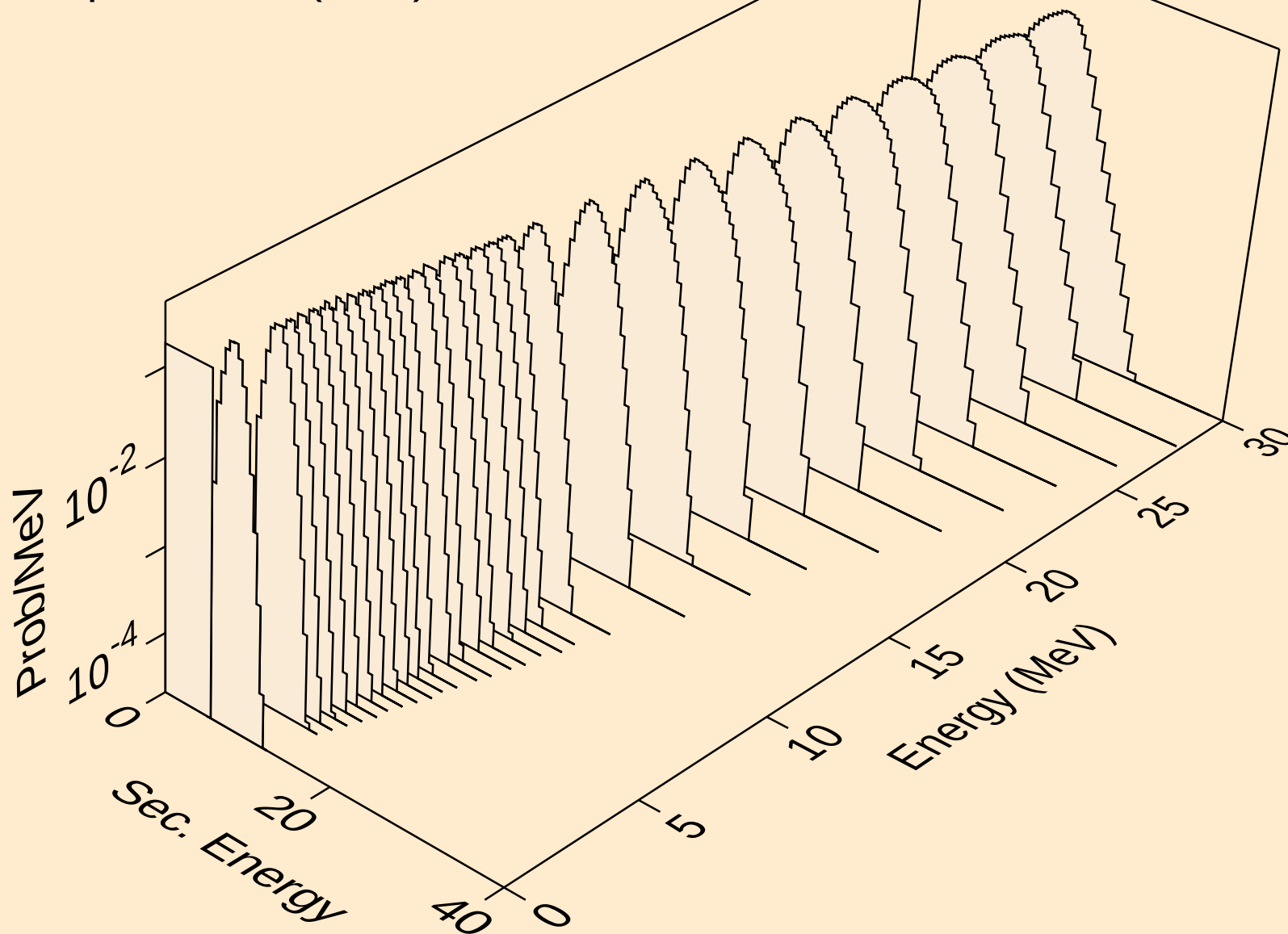
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



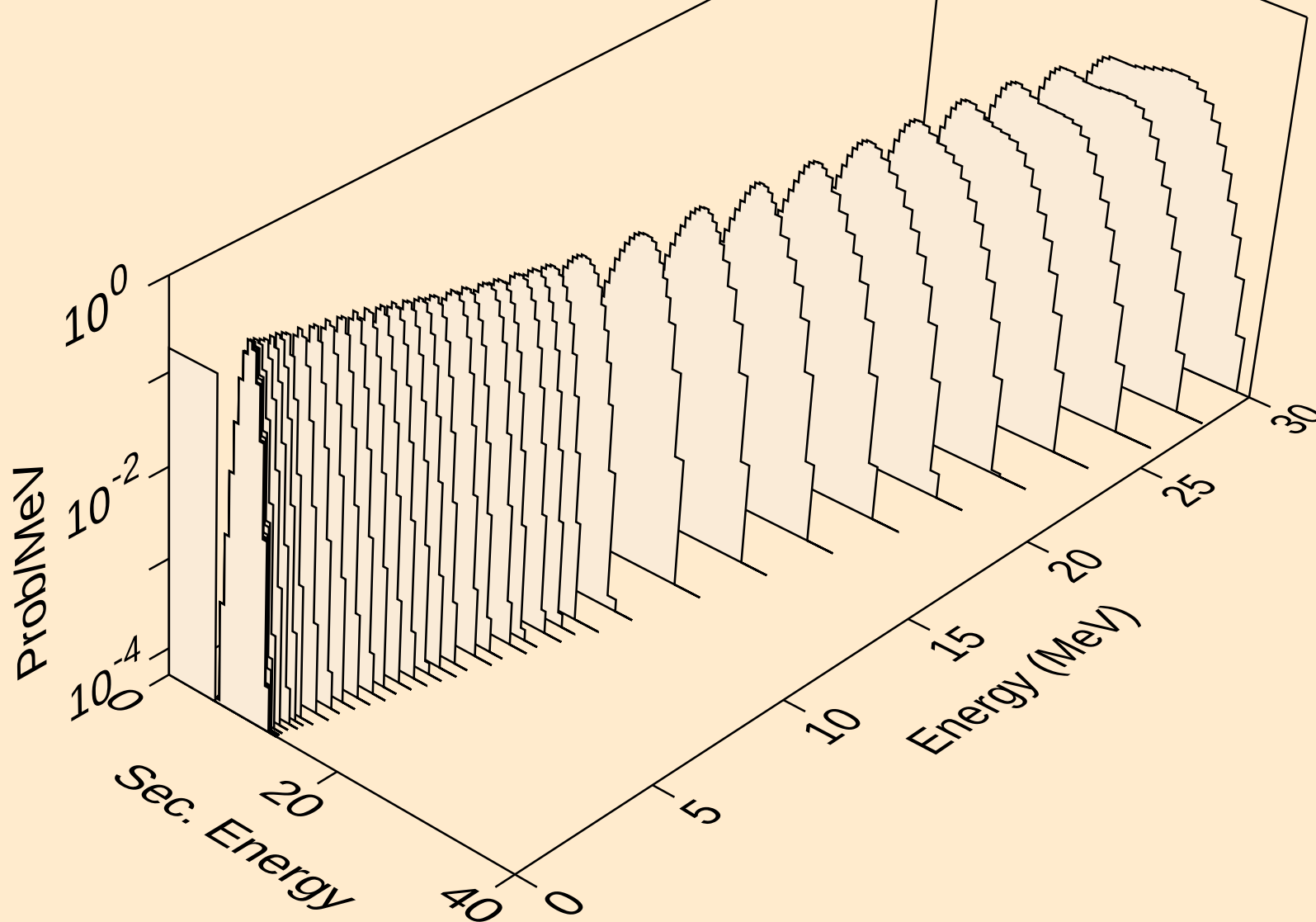
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



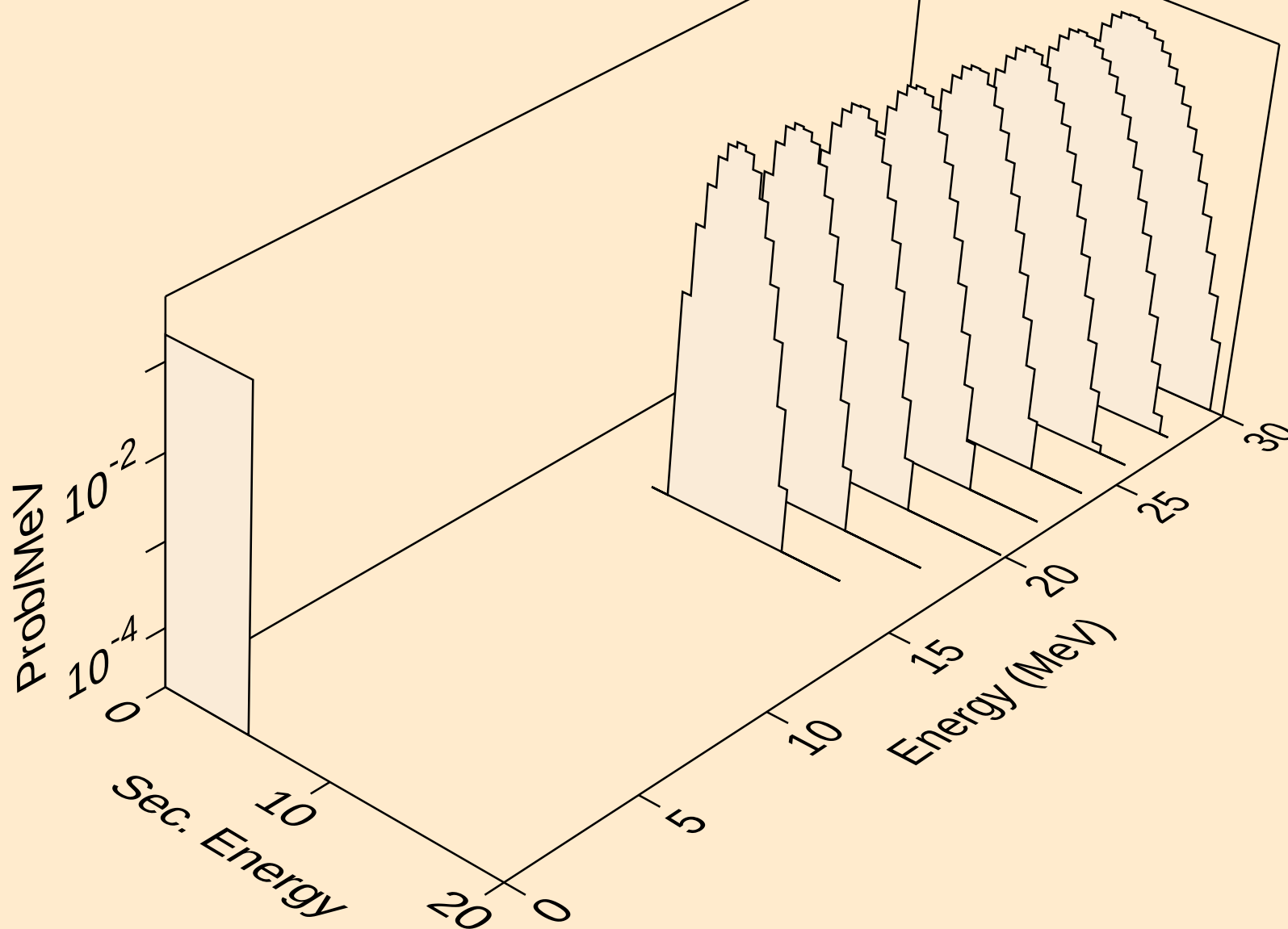
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3a)



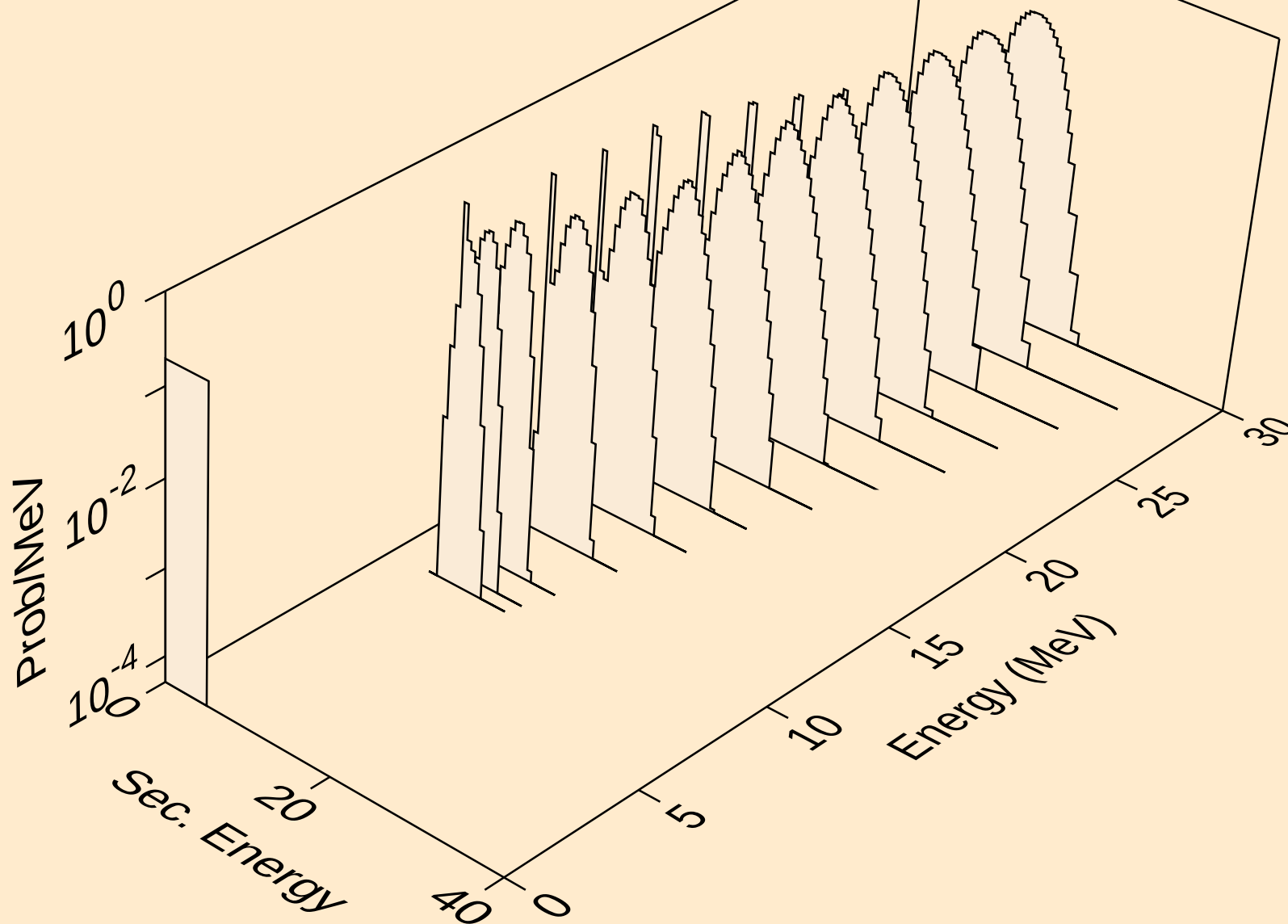
IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,t2a)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,d2a)



IR171 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

