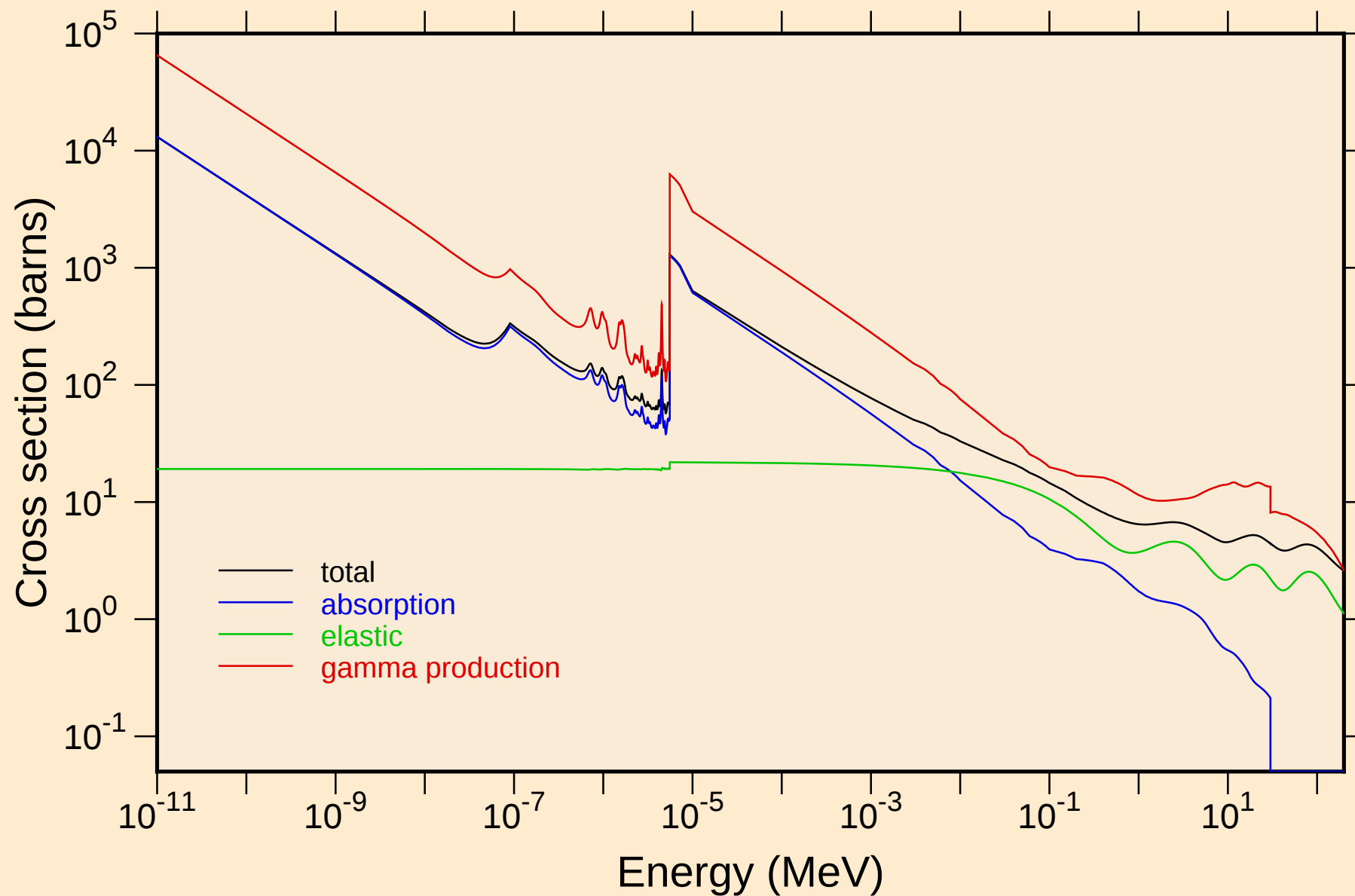


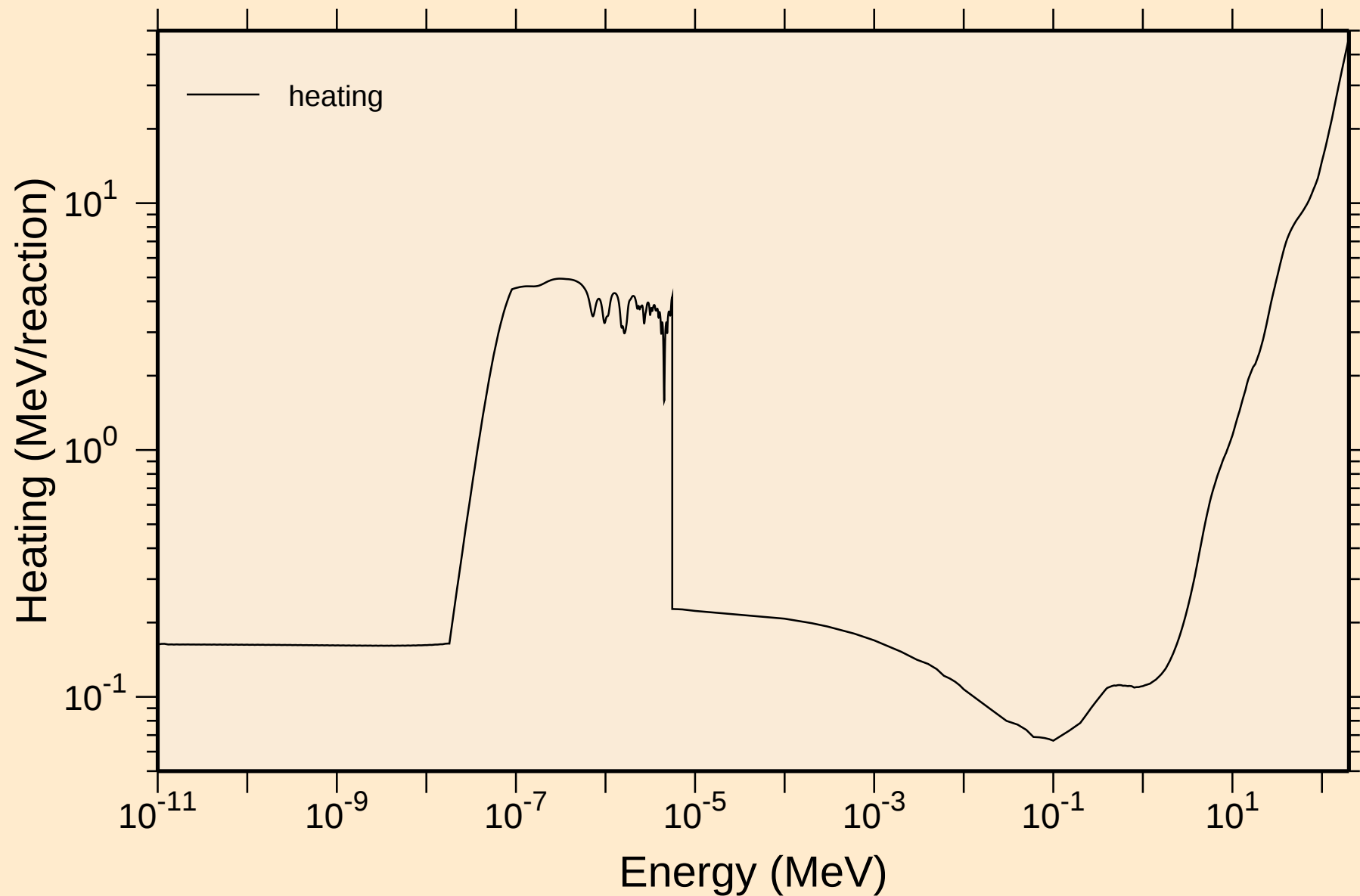
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections



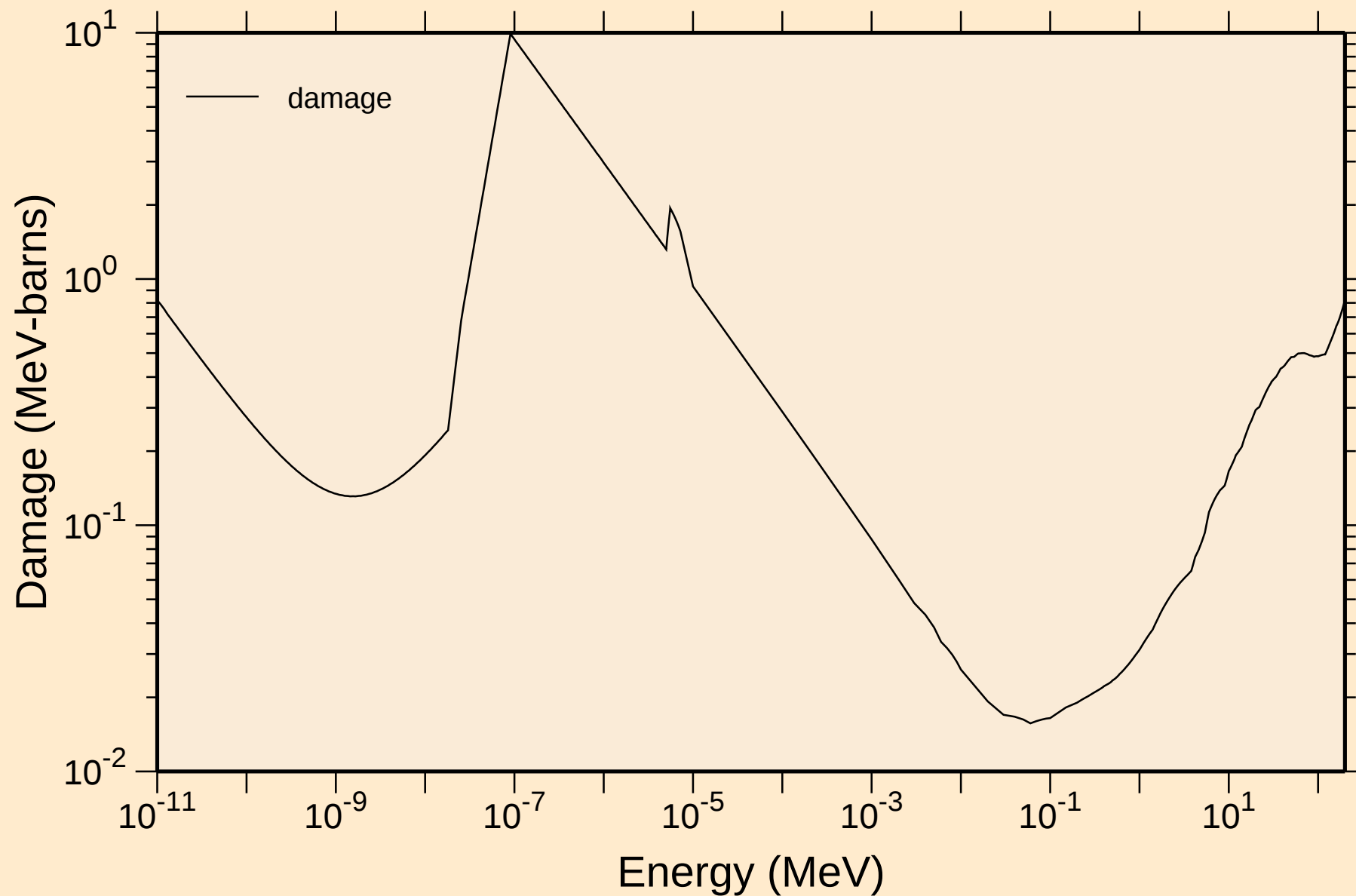
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

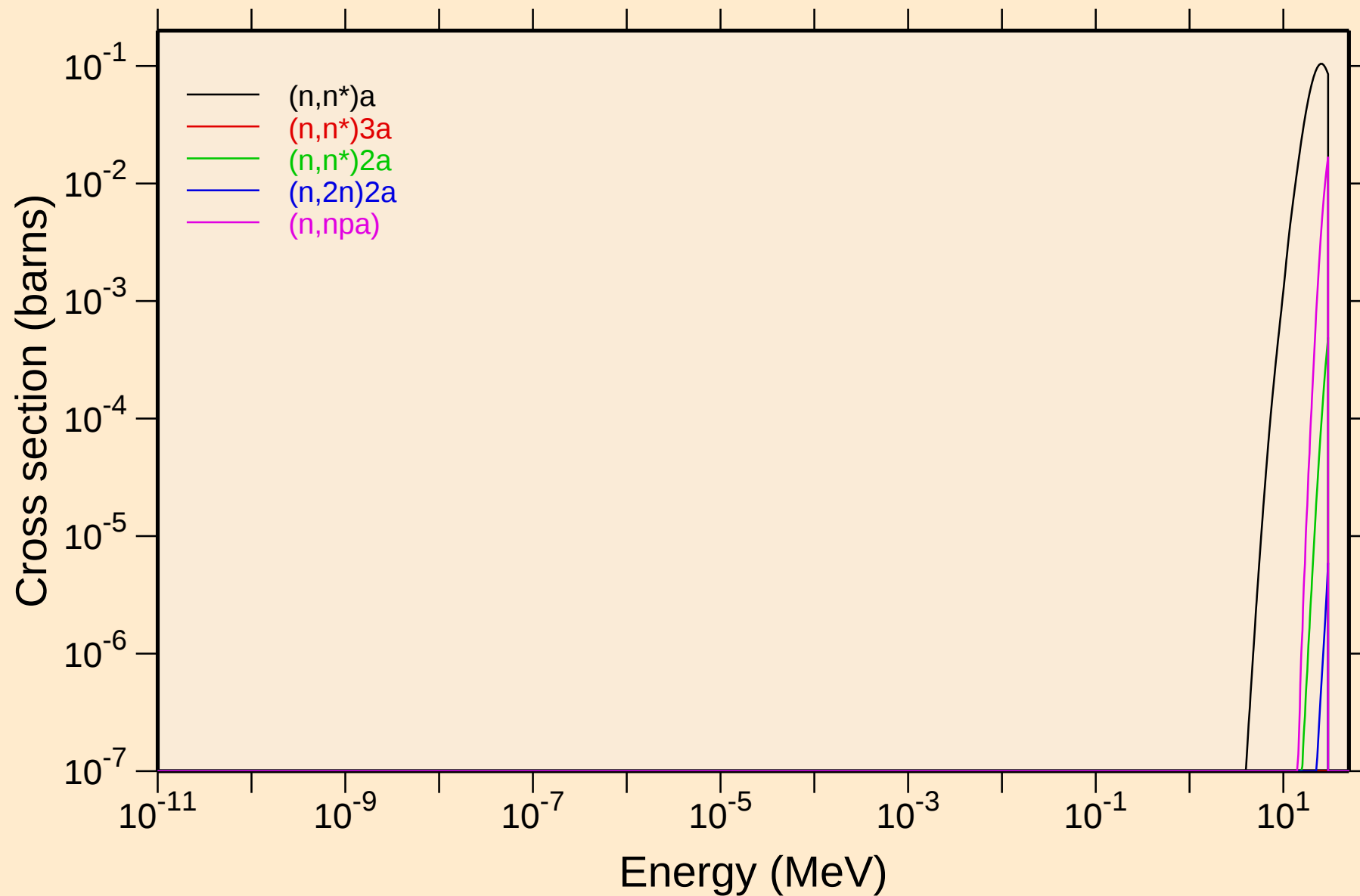


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

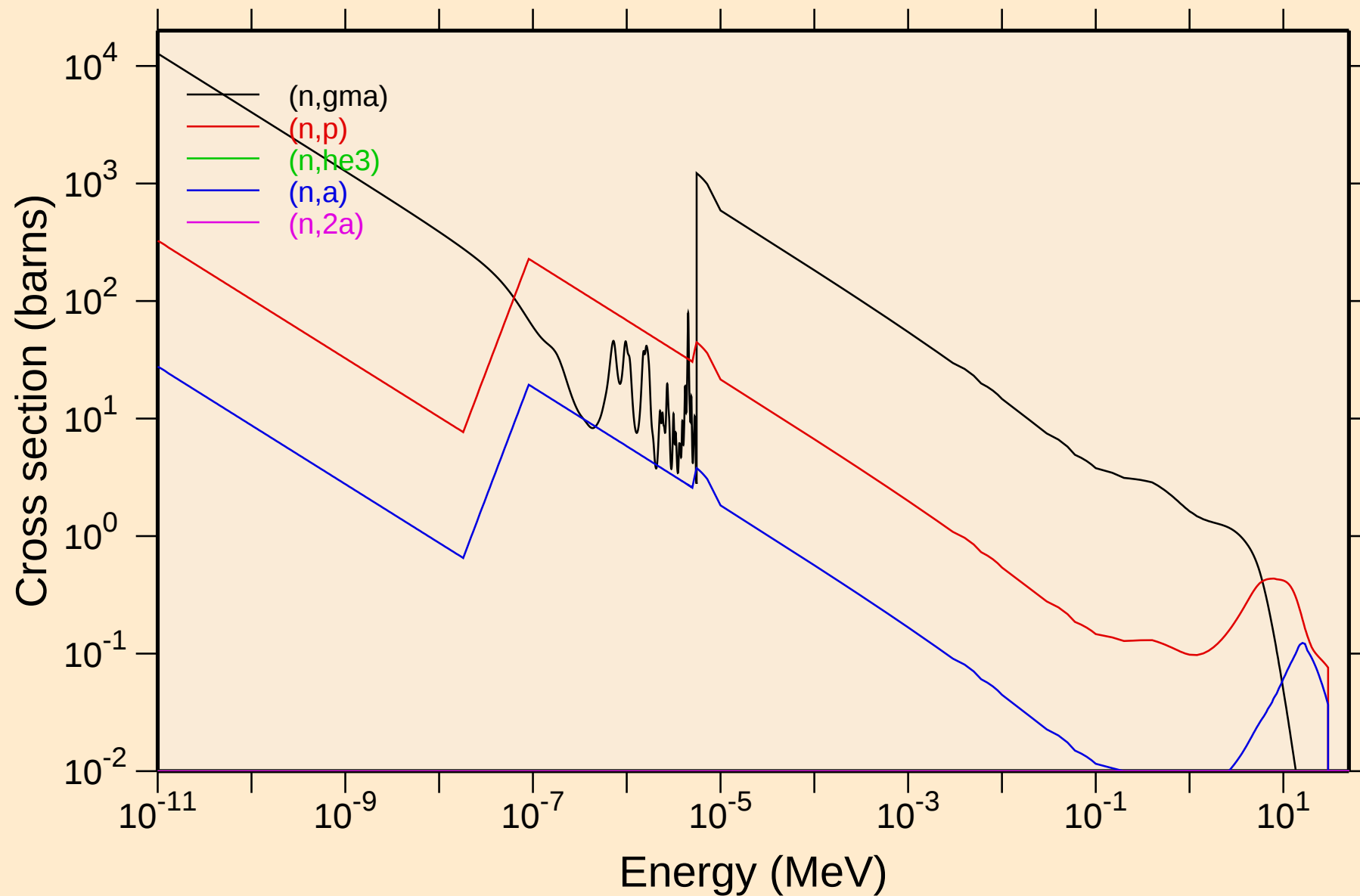
Damage



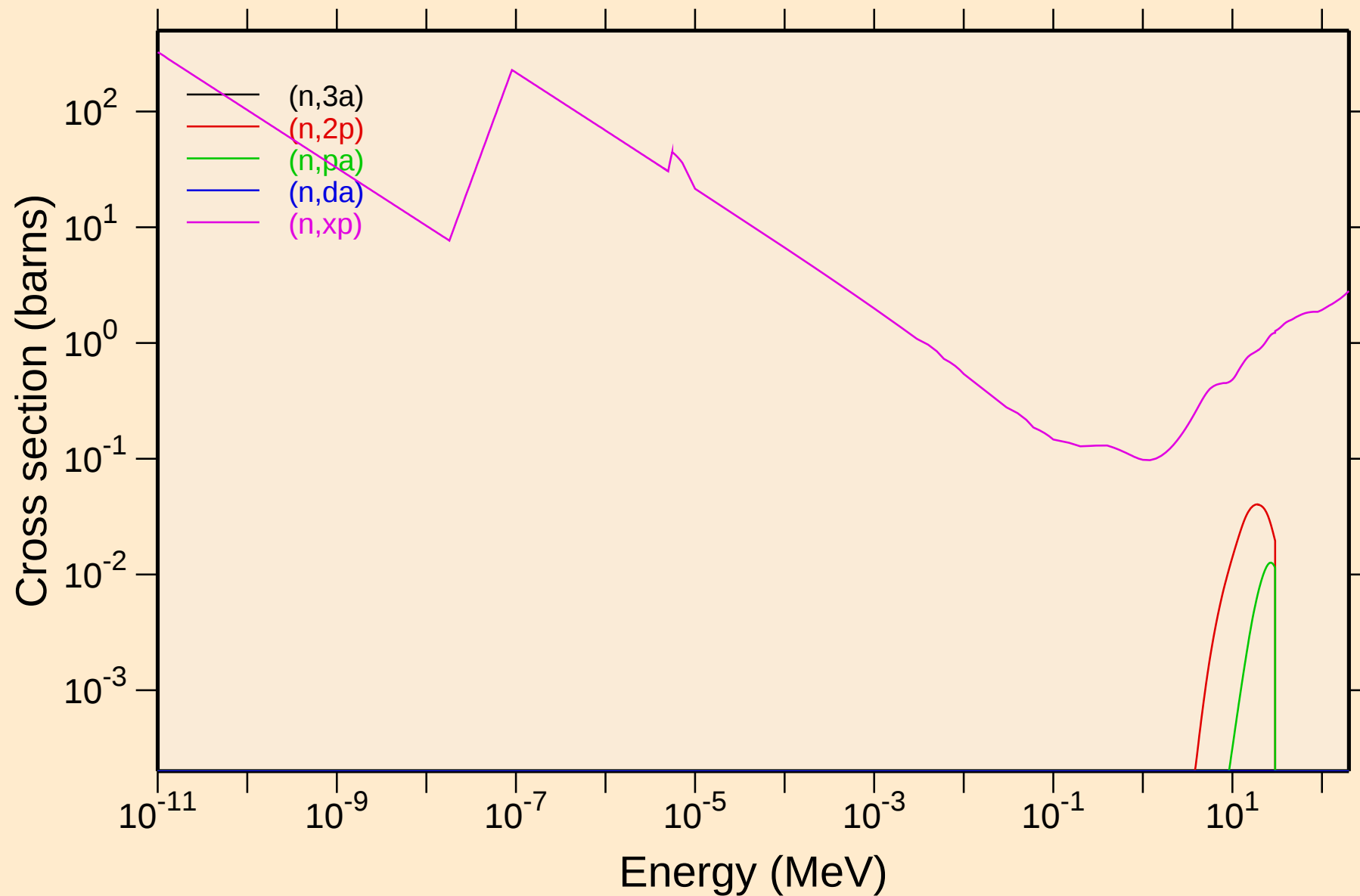
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



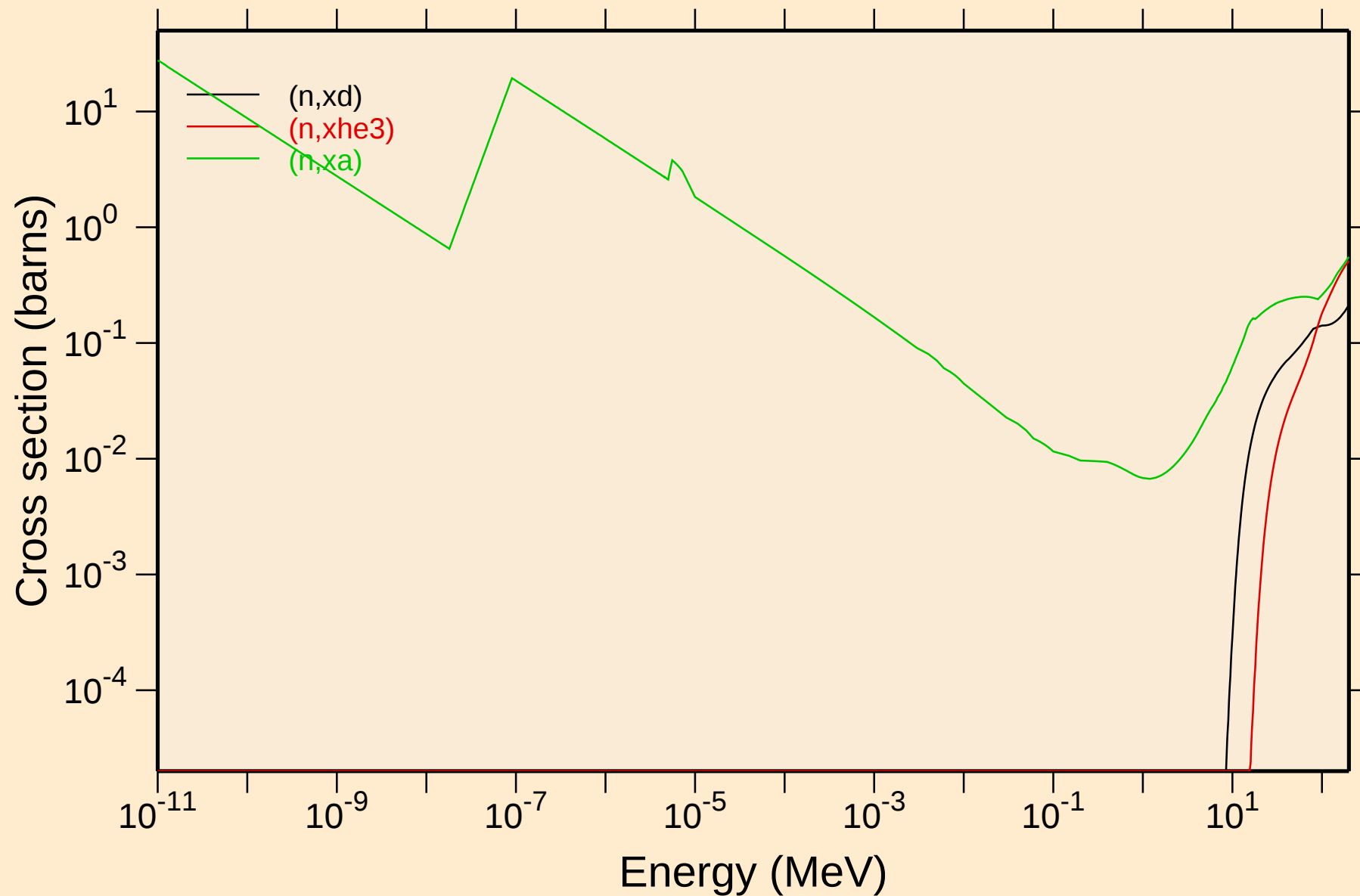
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

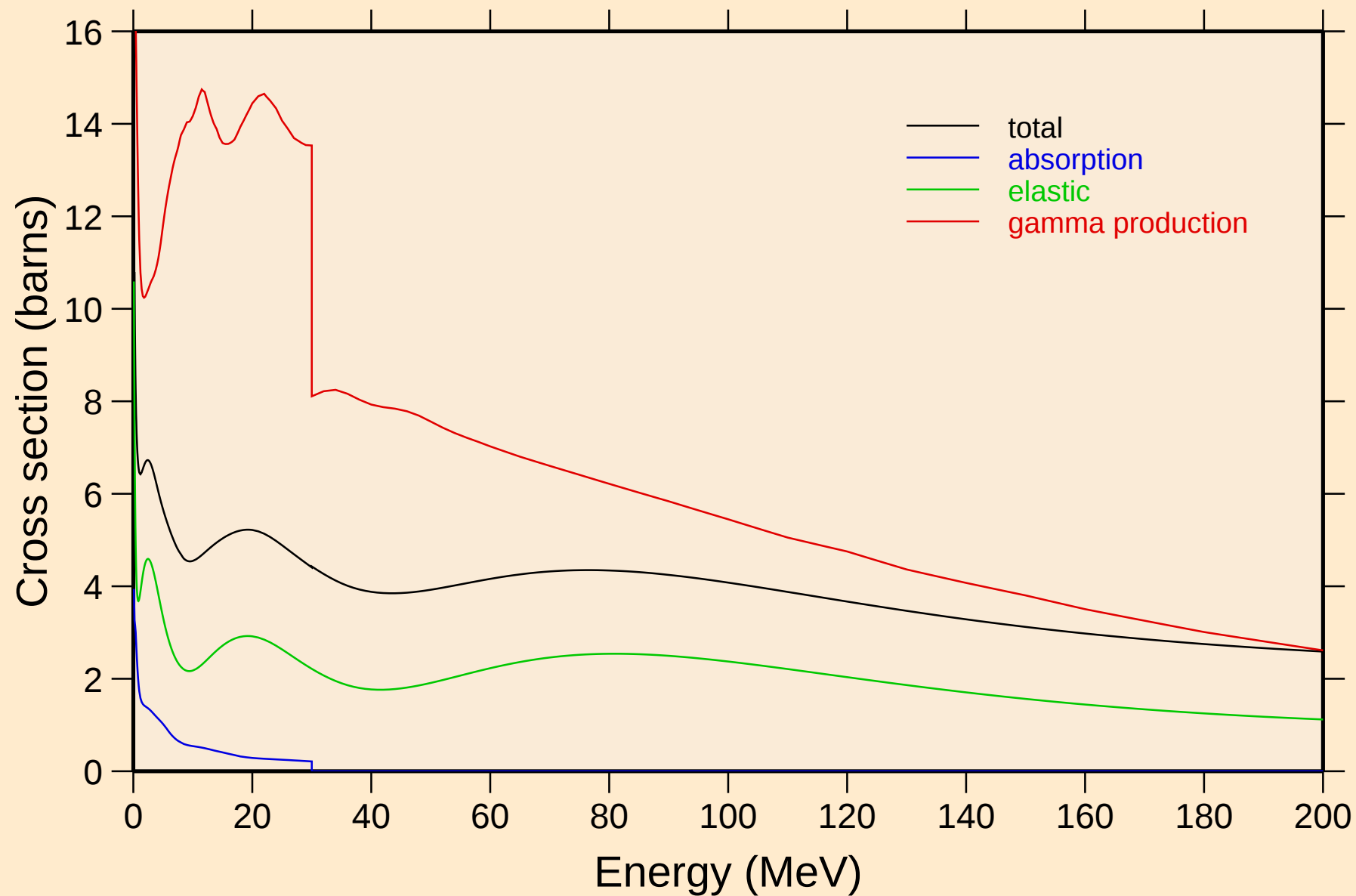


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



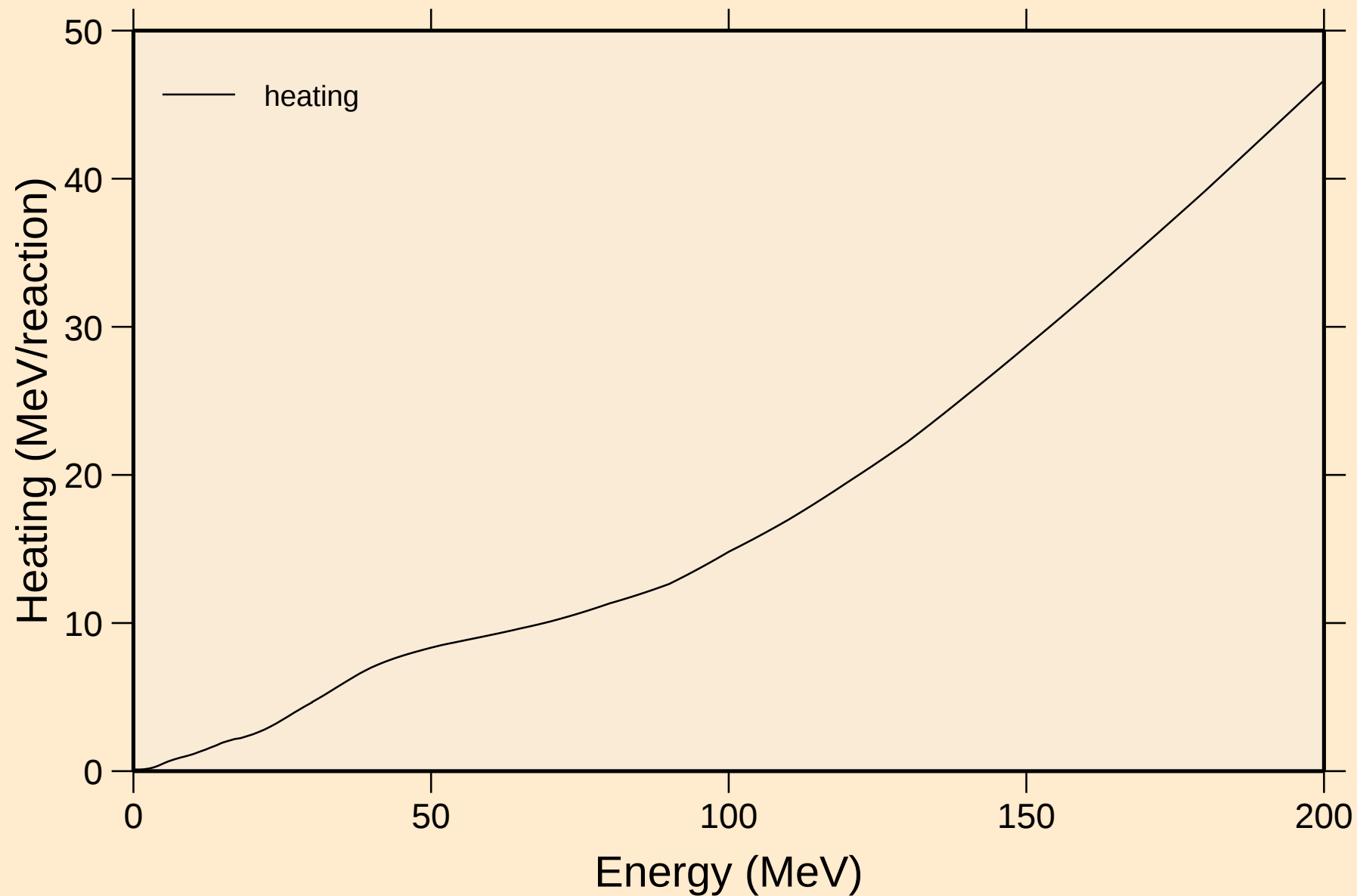
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Principal cross sections



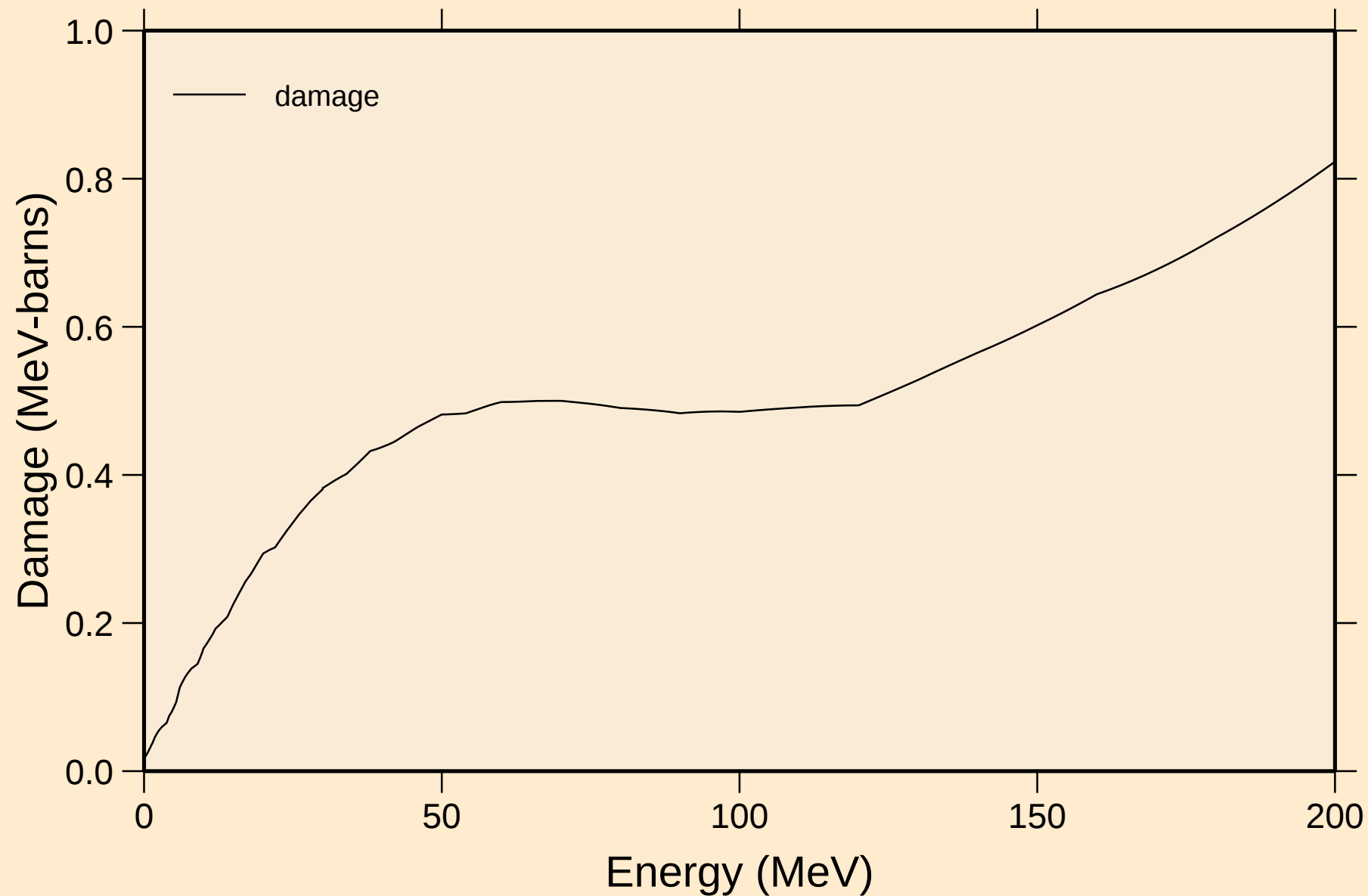
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

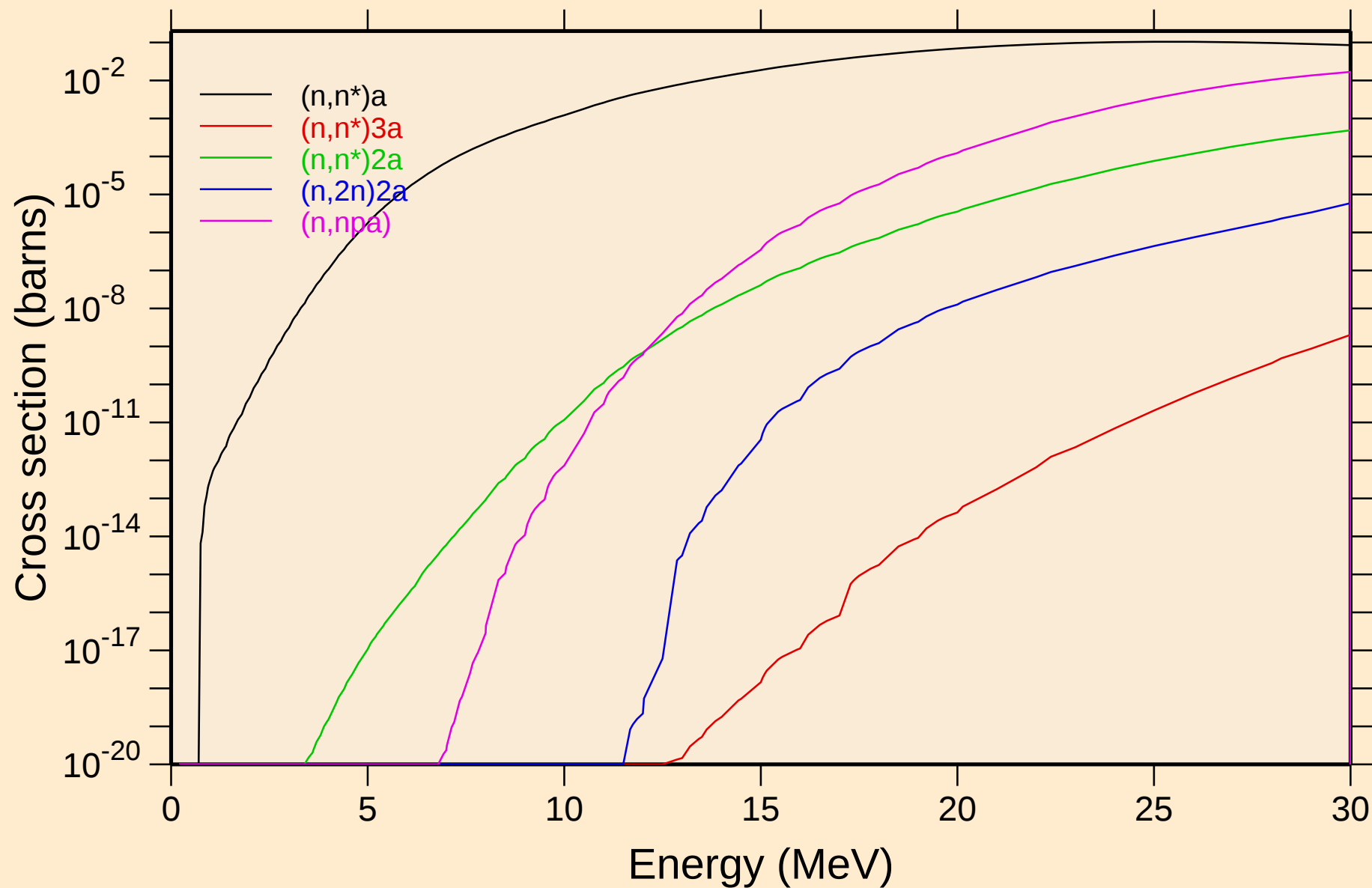


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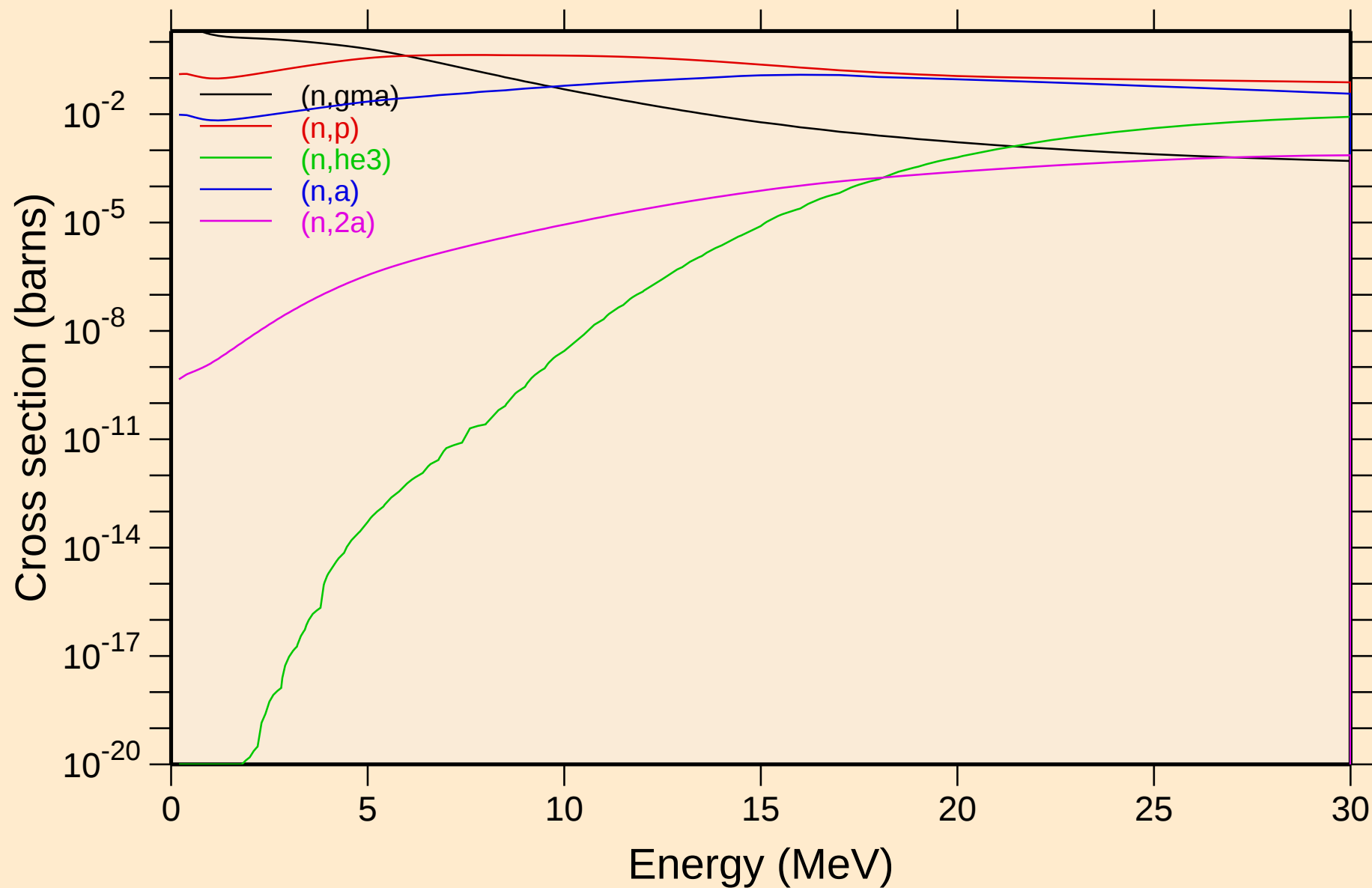
Damage



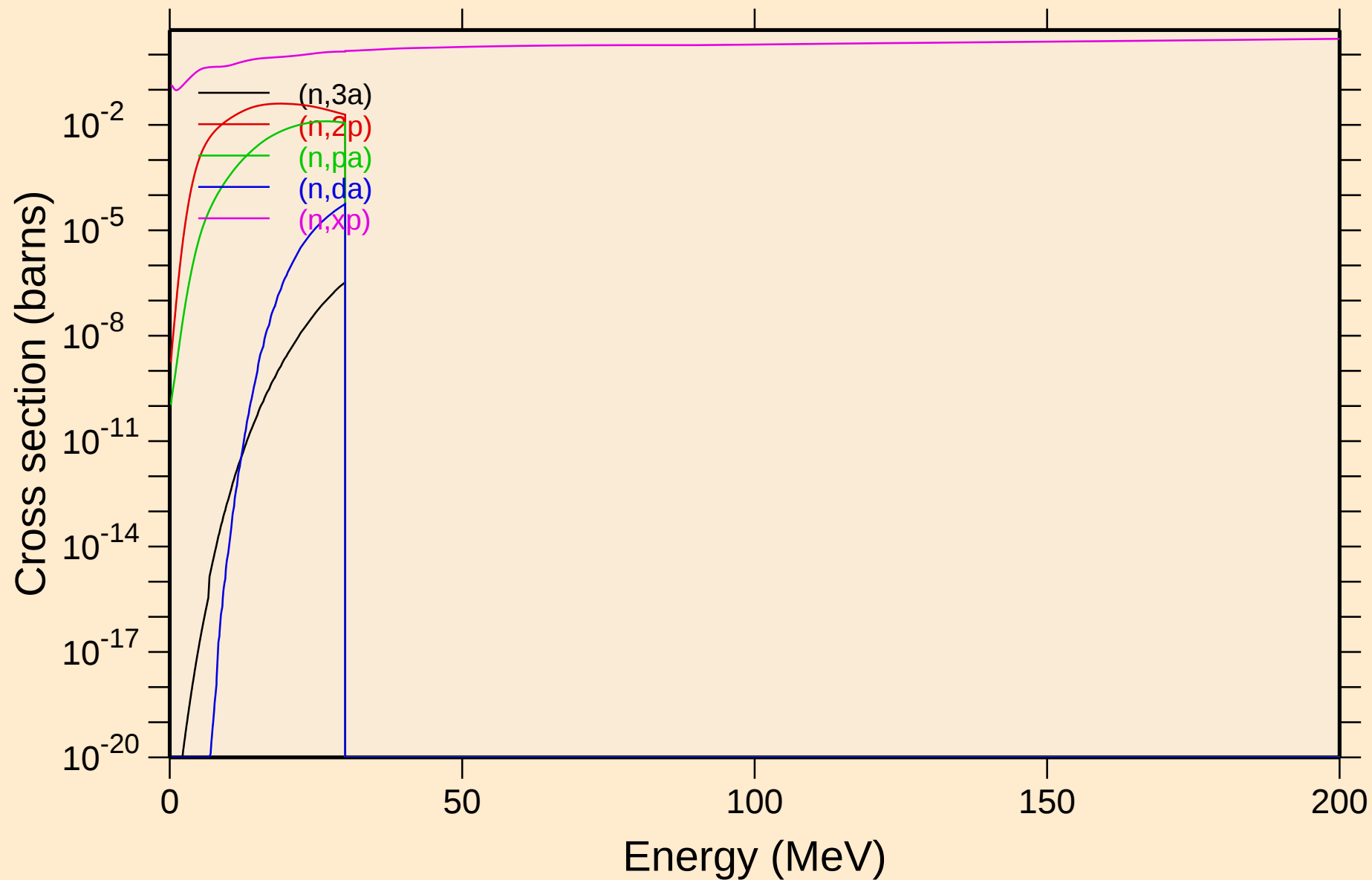
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



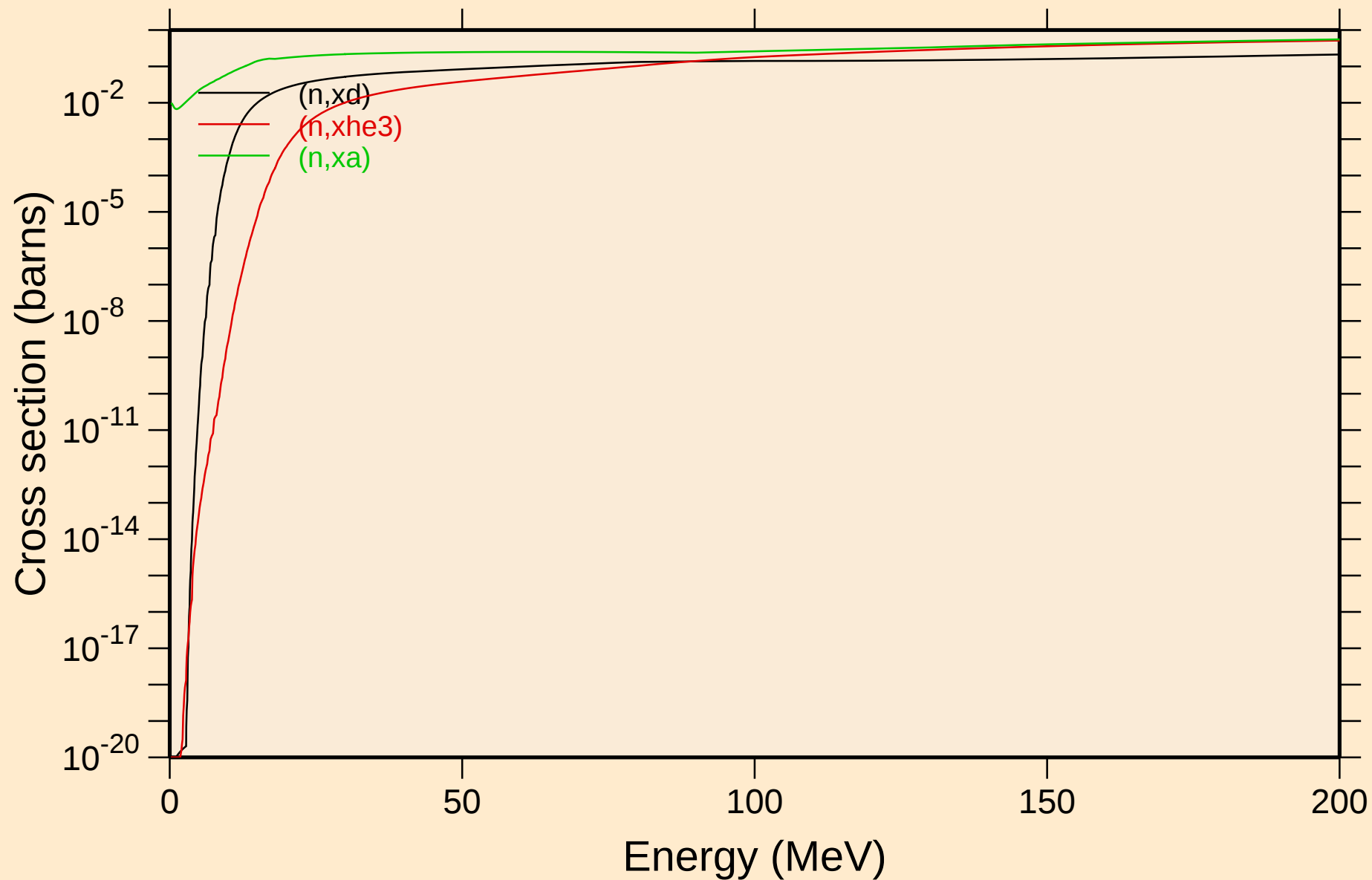
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

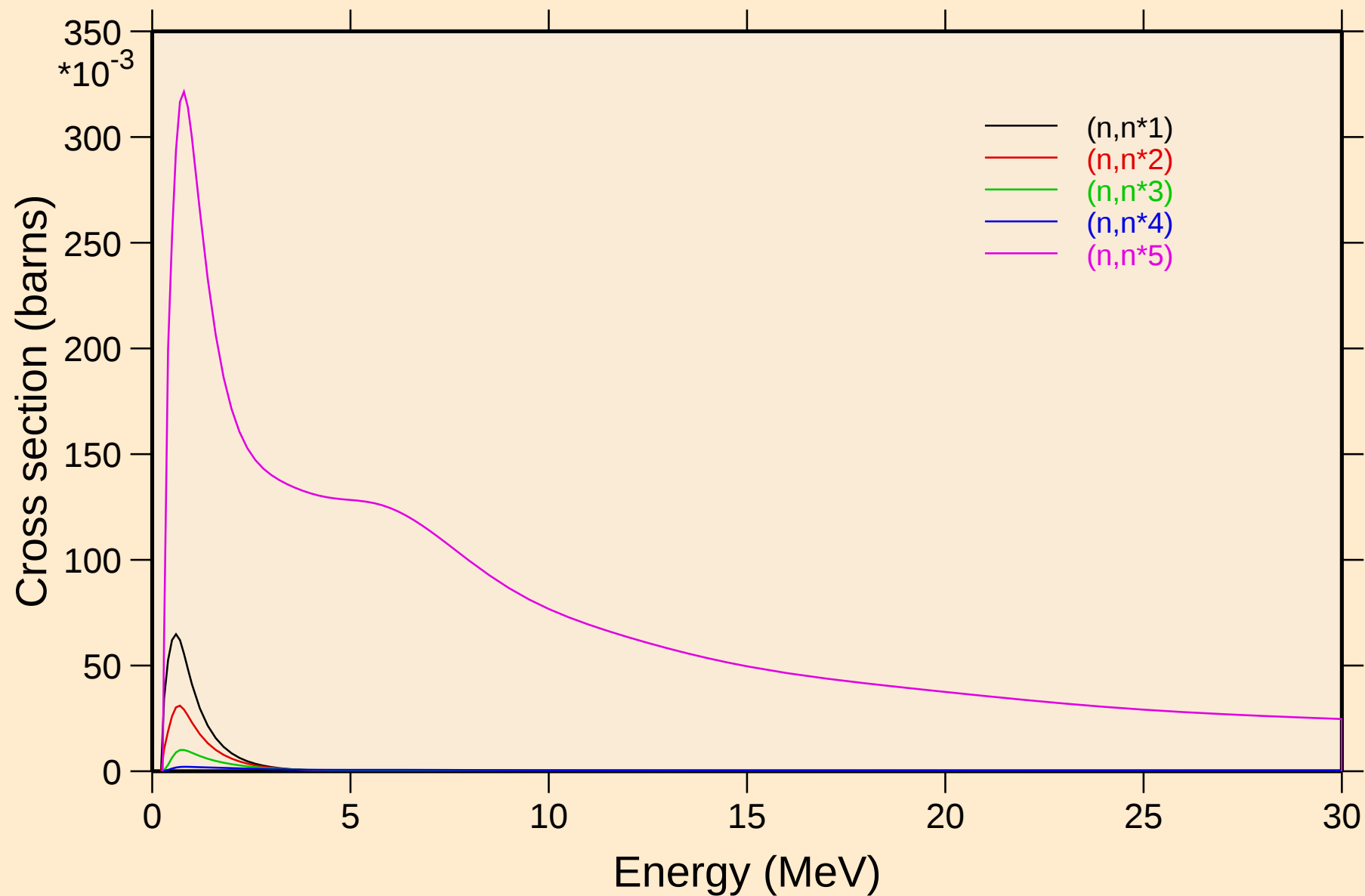


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



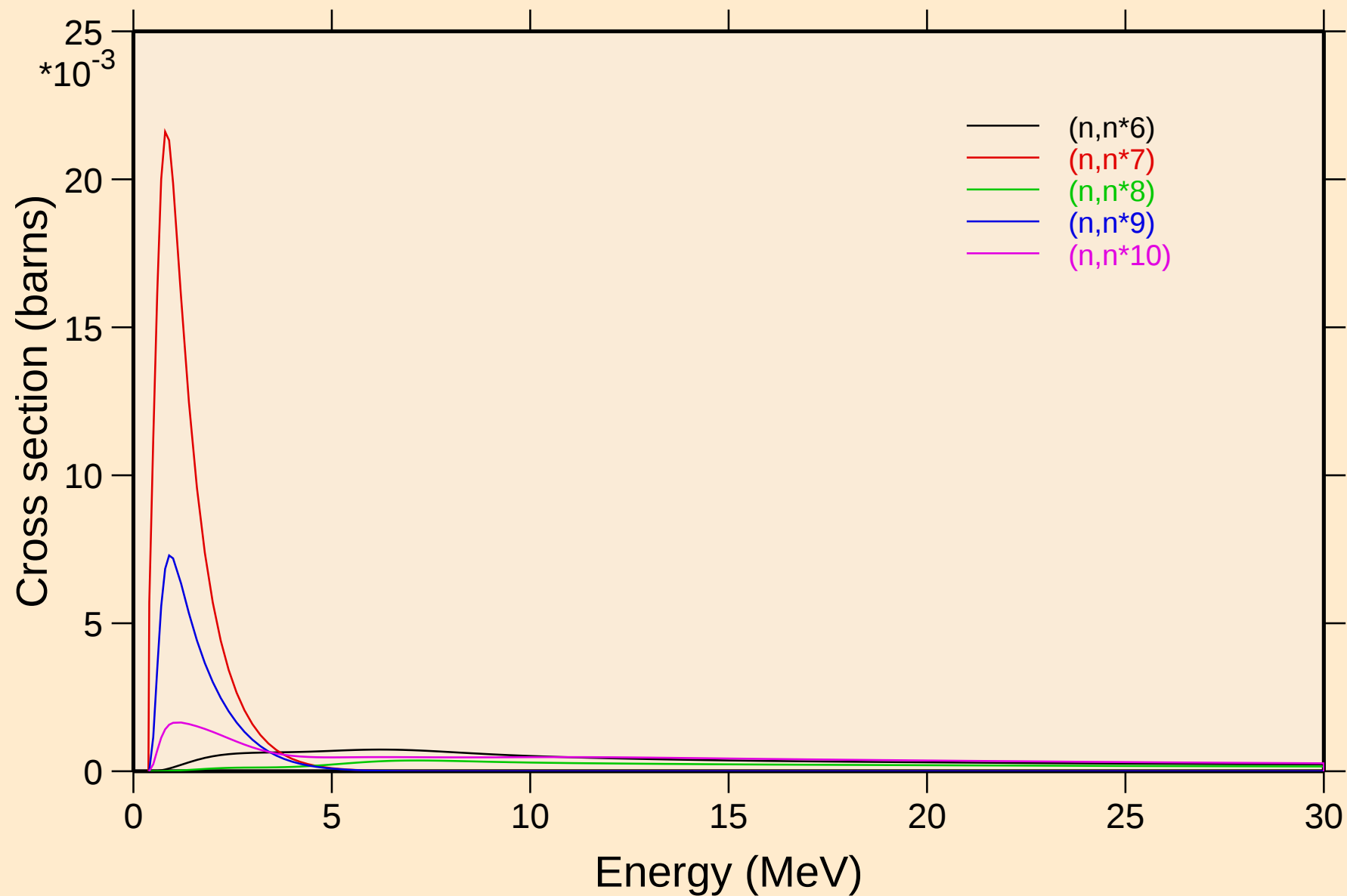
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



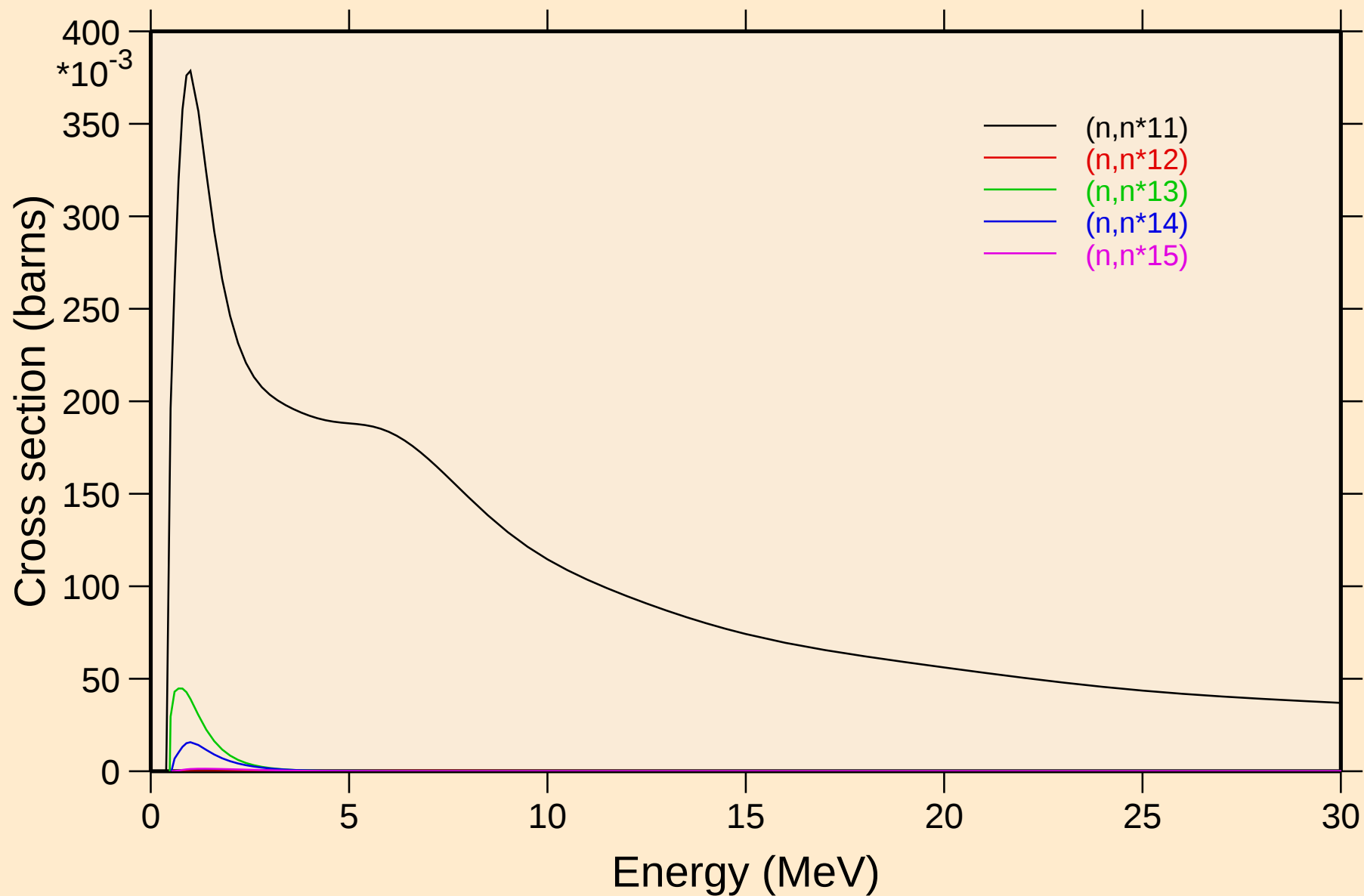
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



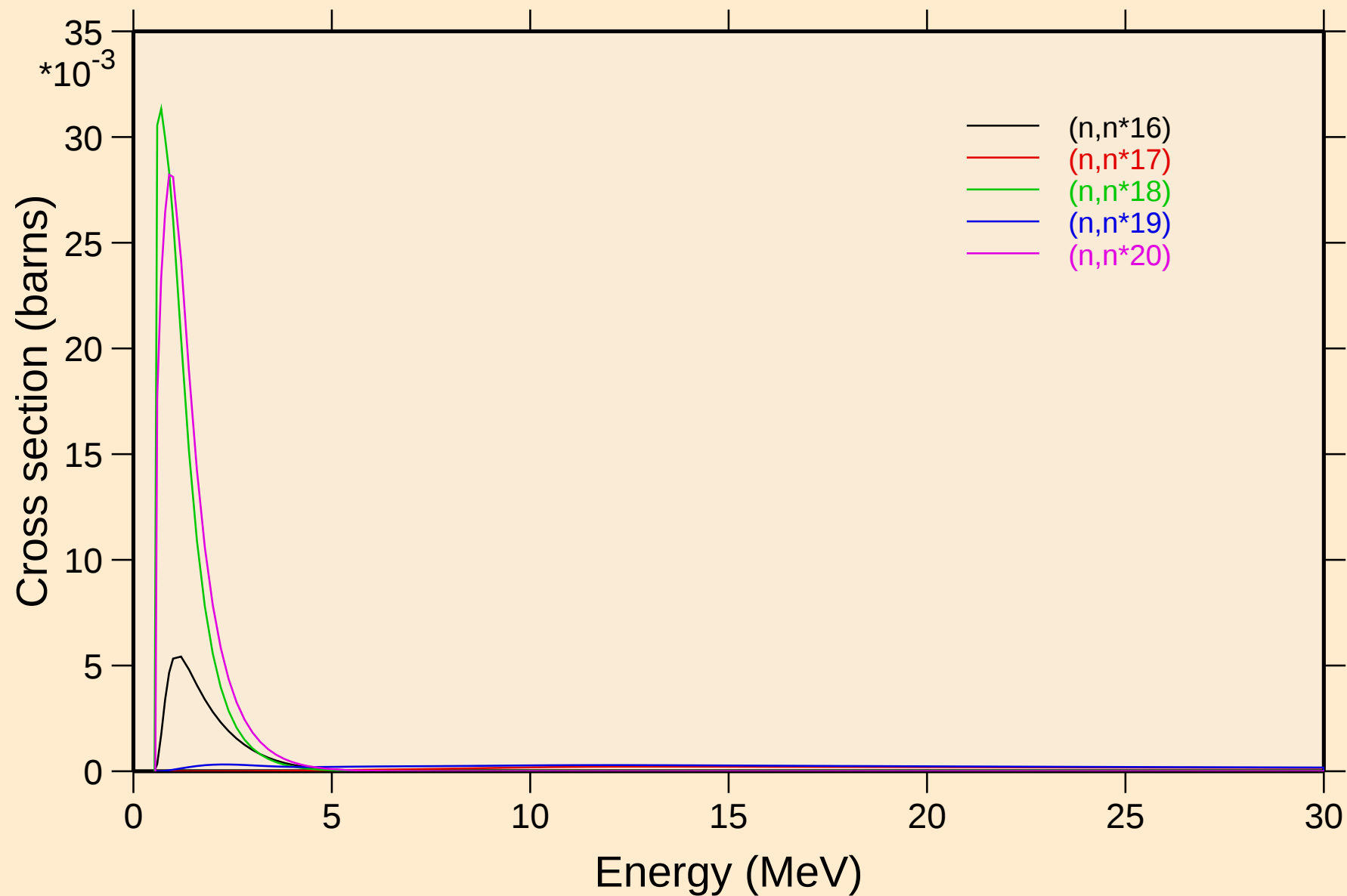
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Inelastic levels



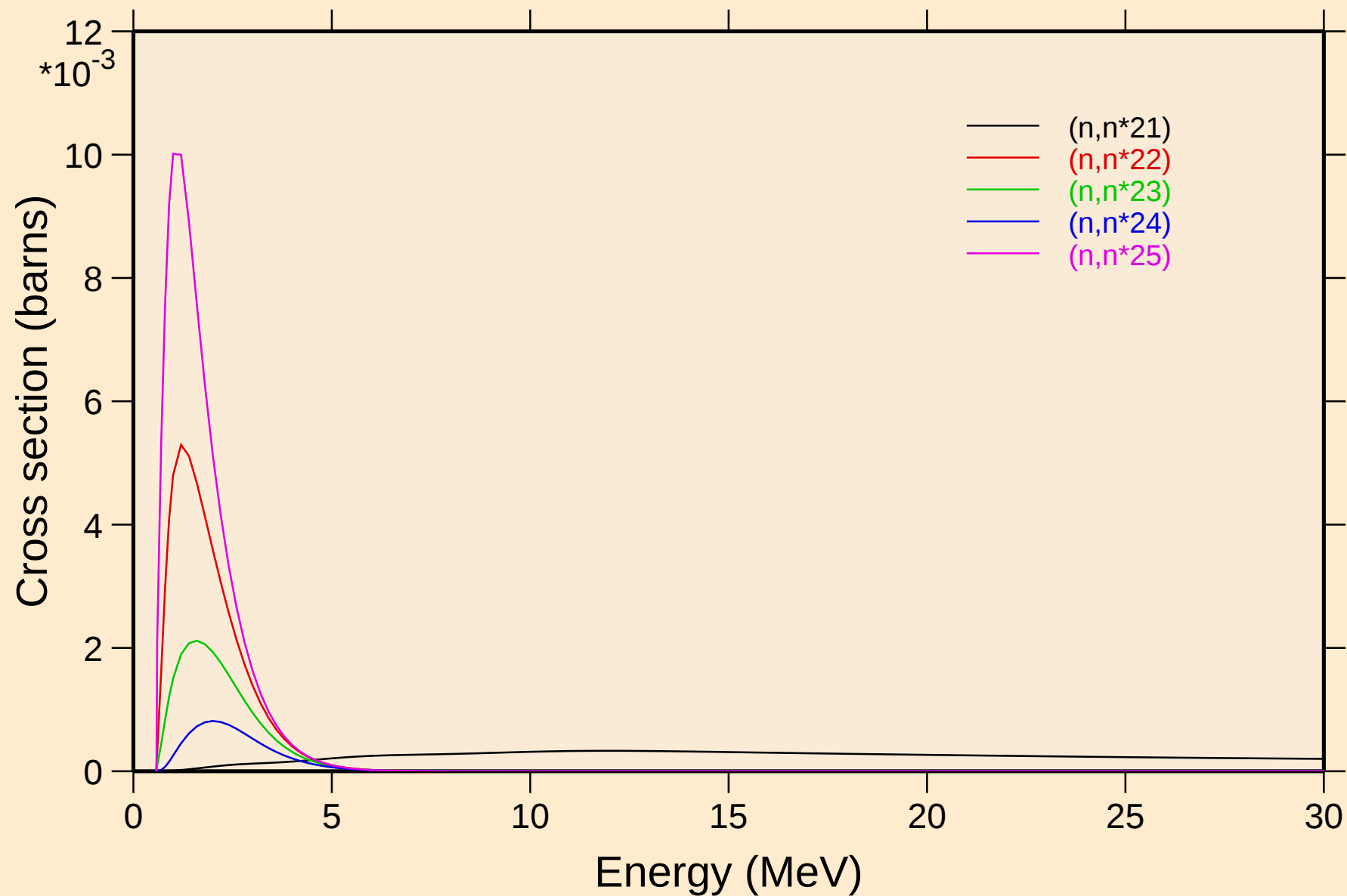
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



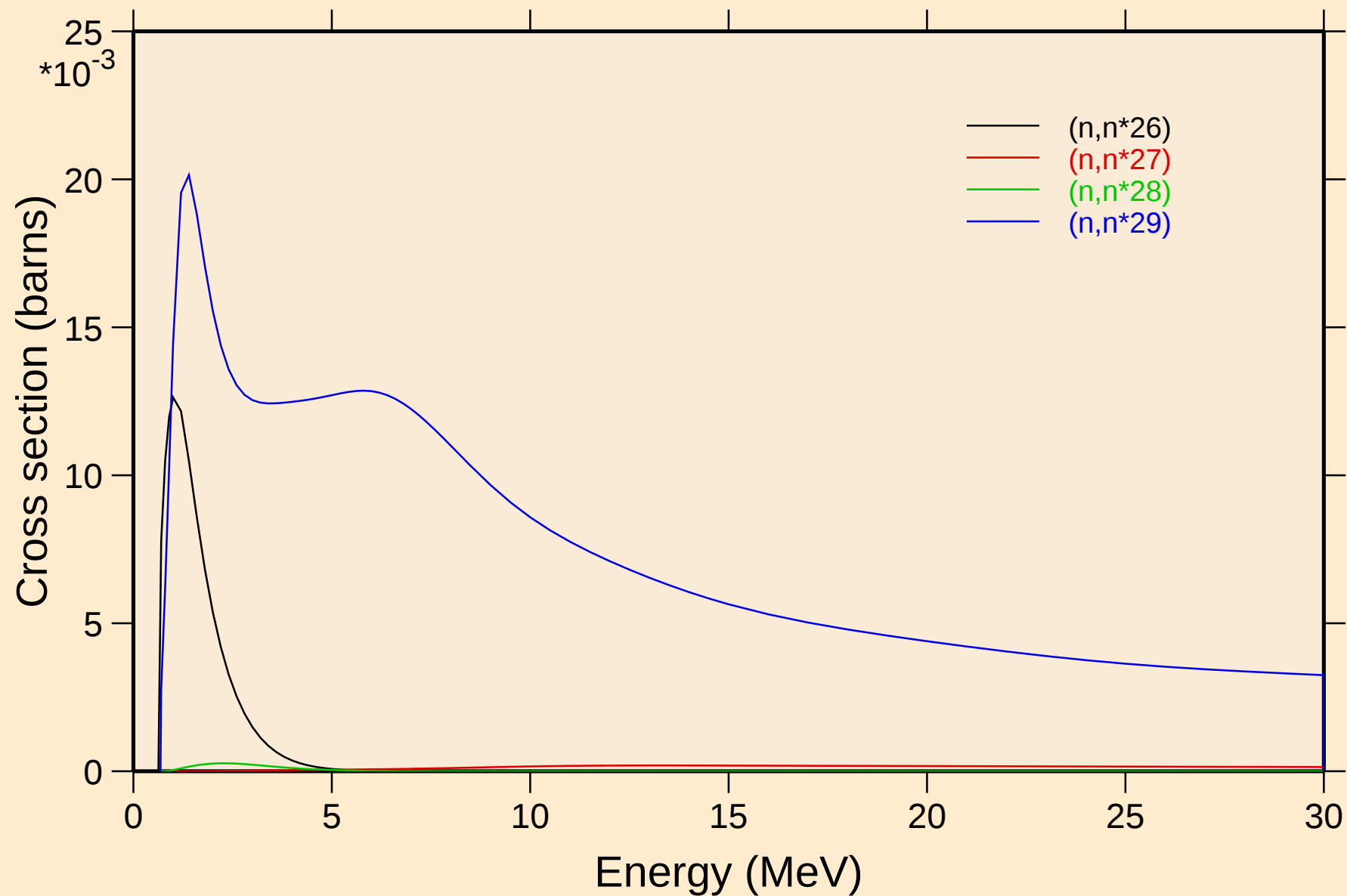
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



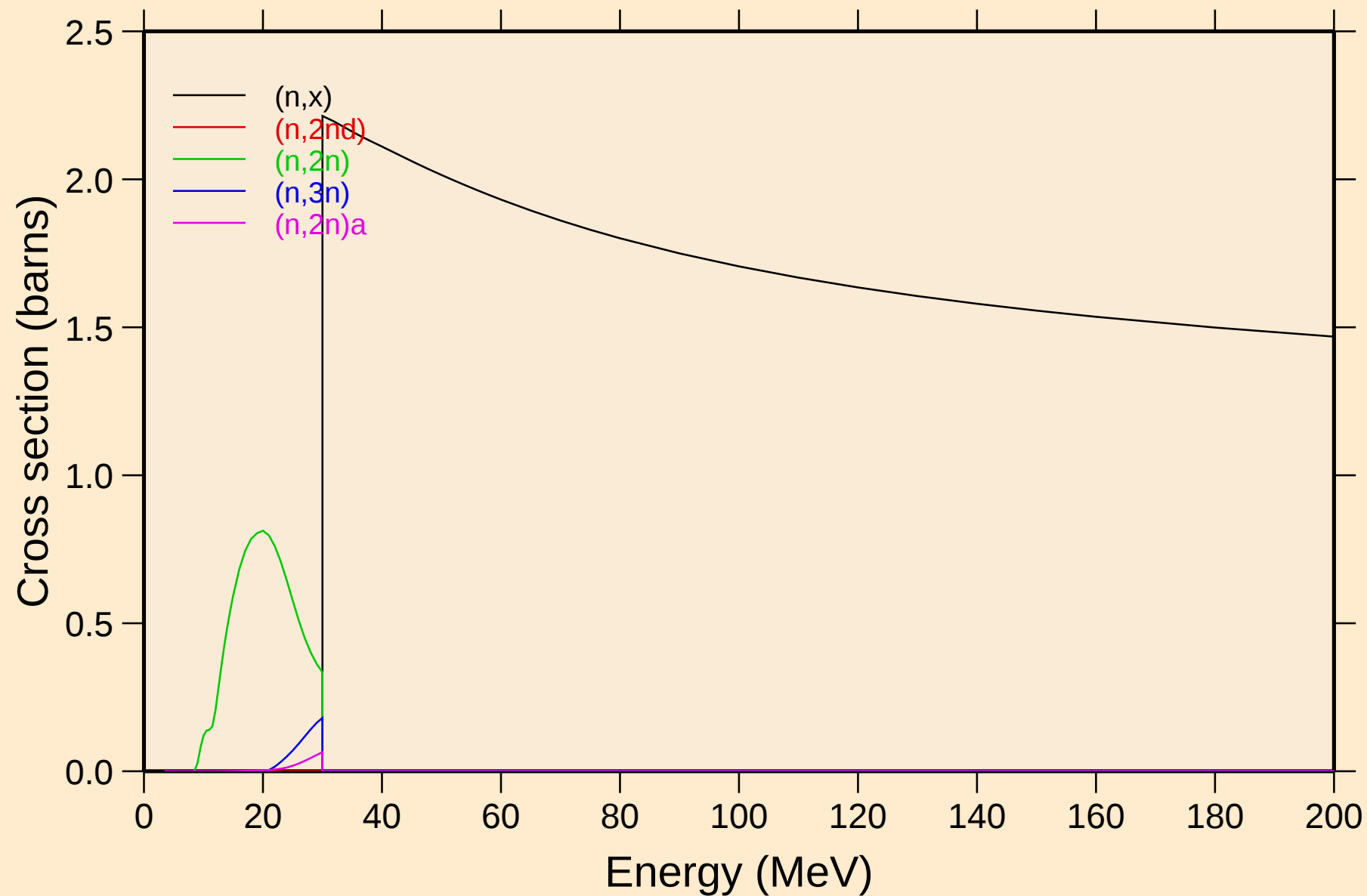
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels



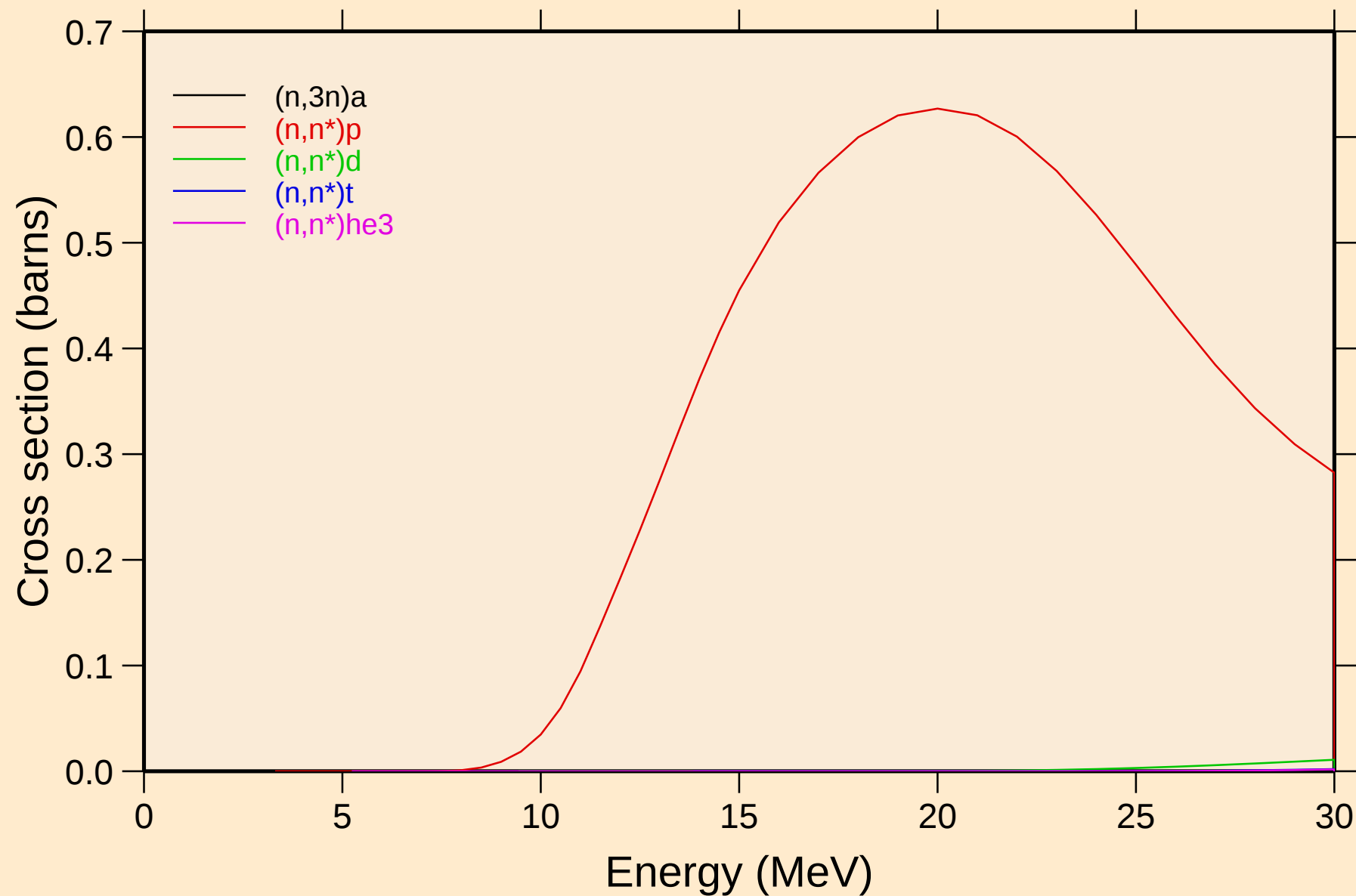
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

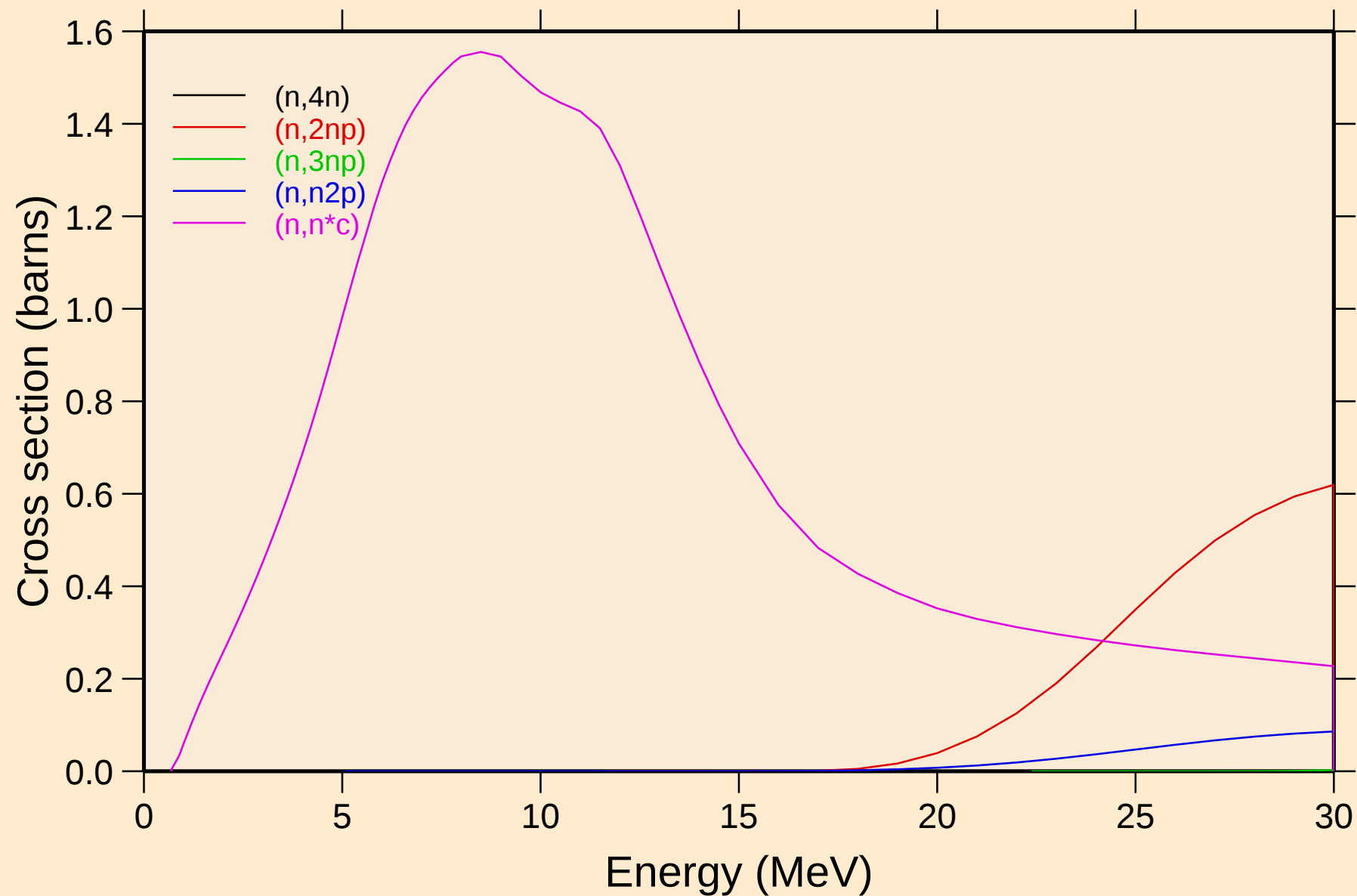


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

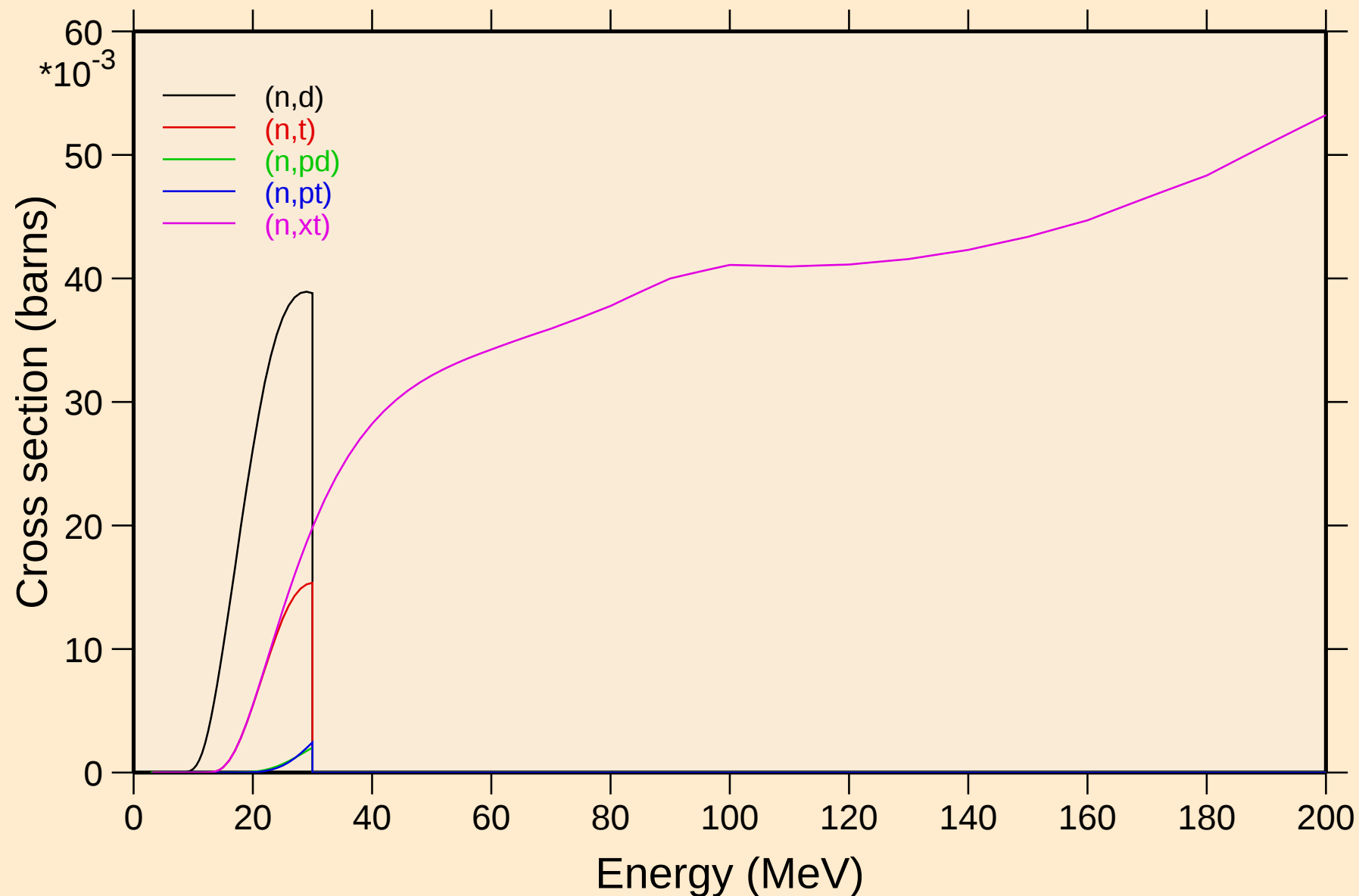


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

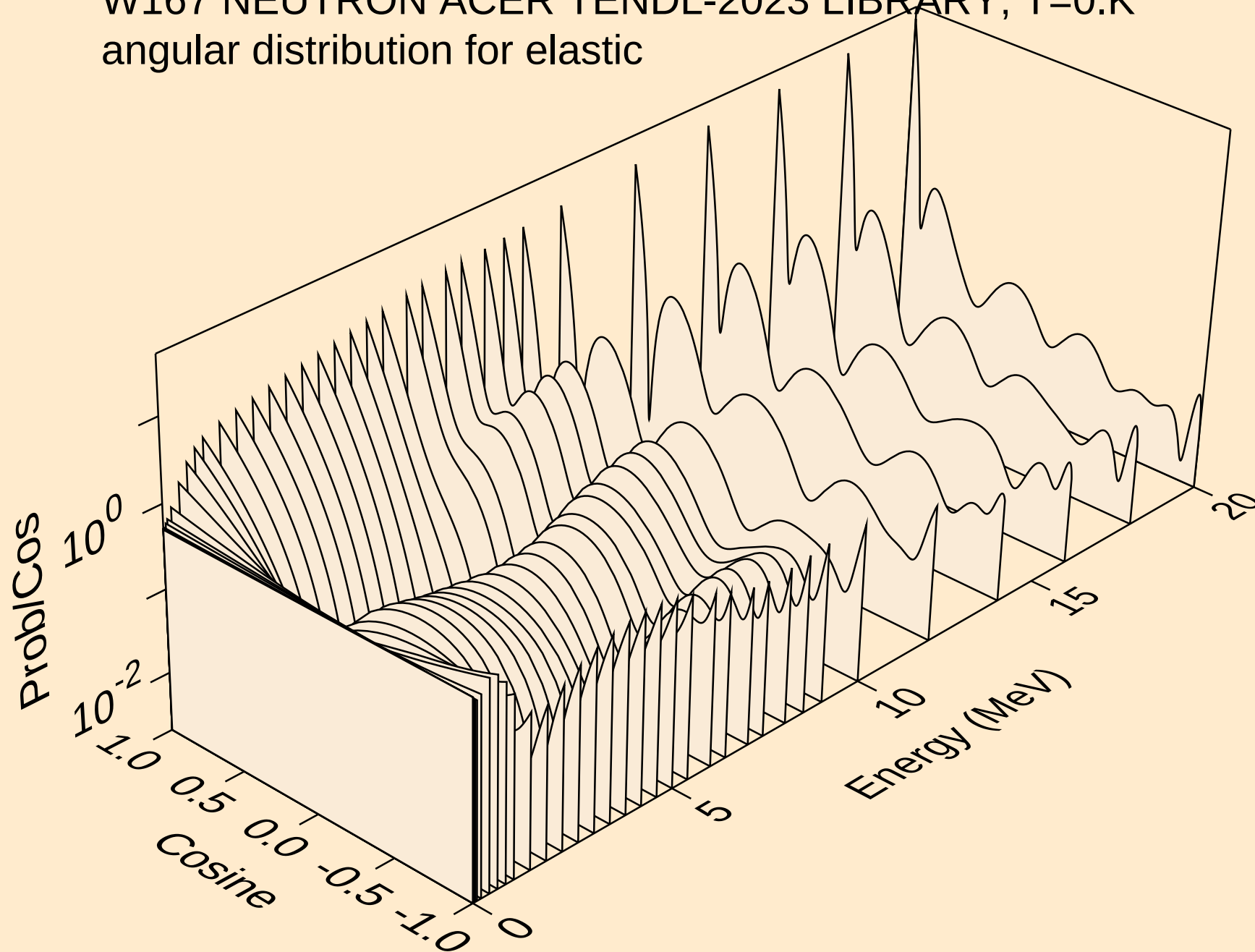


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

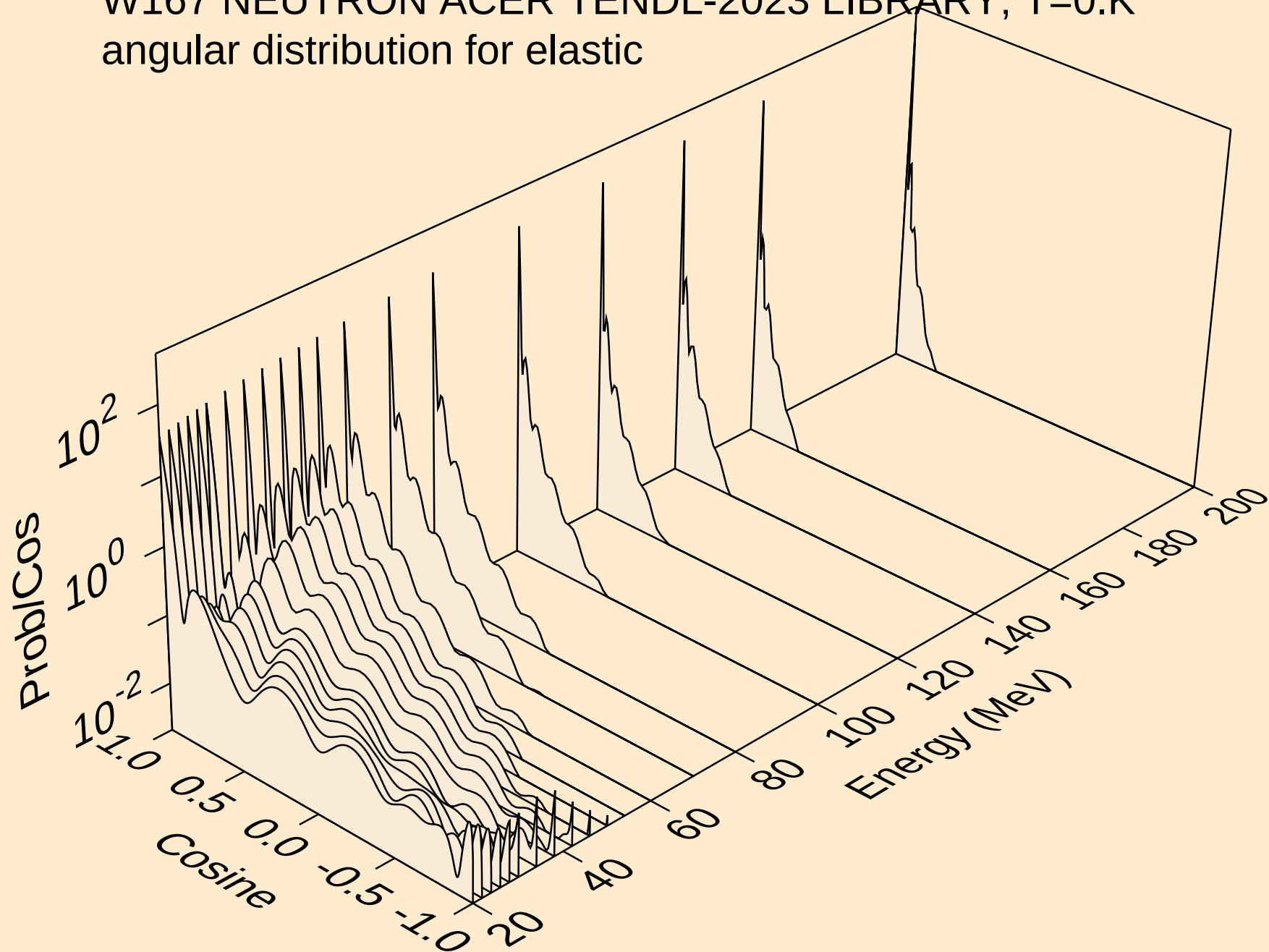
Threshold reactions



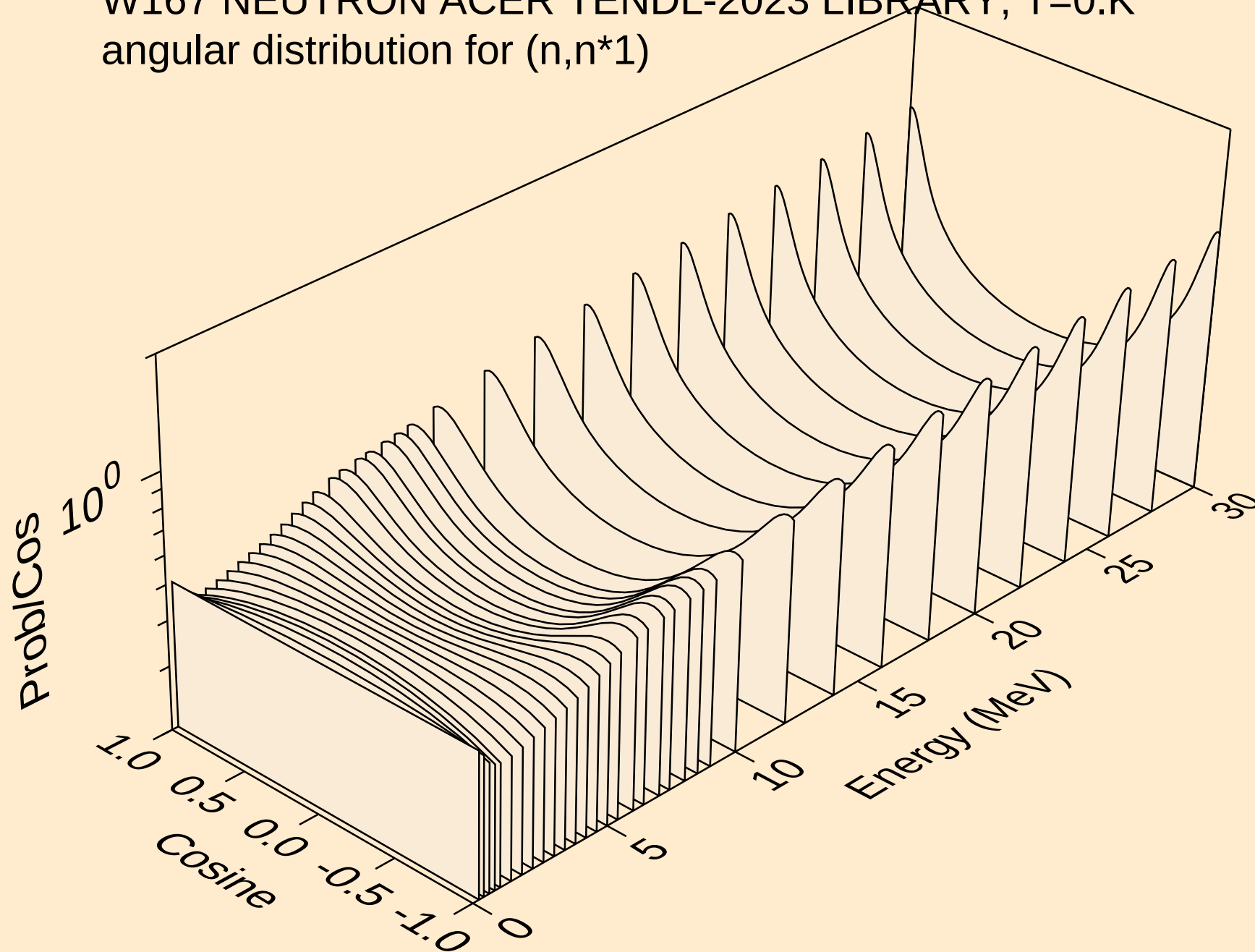
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



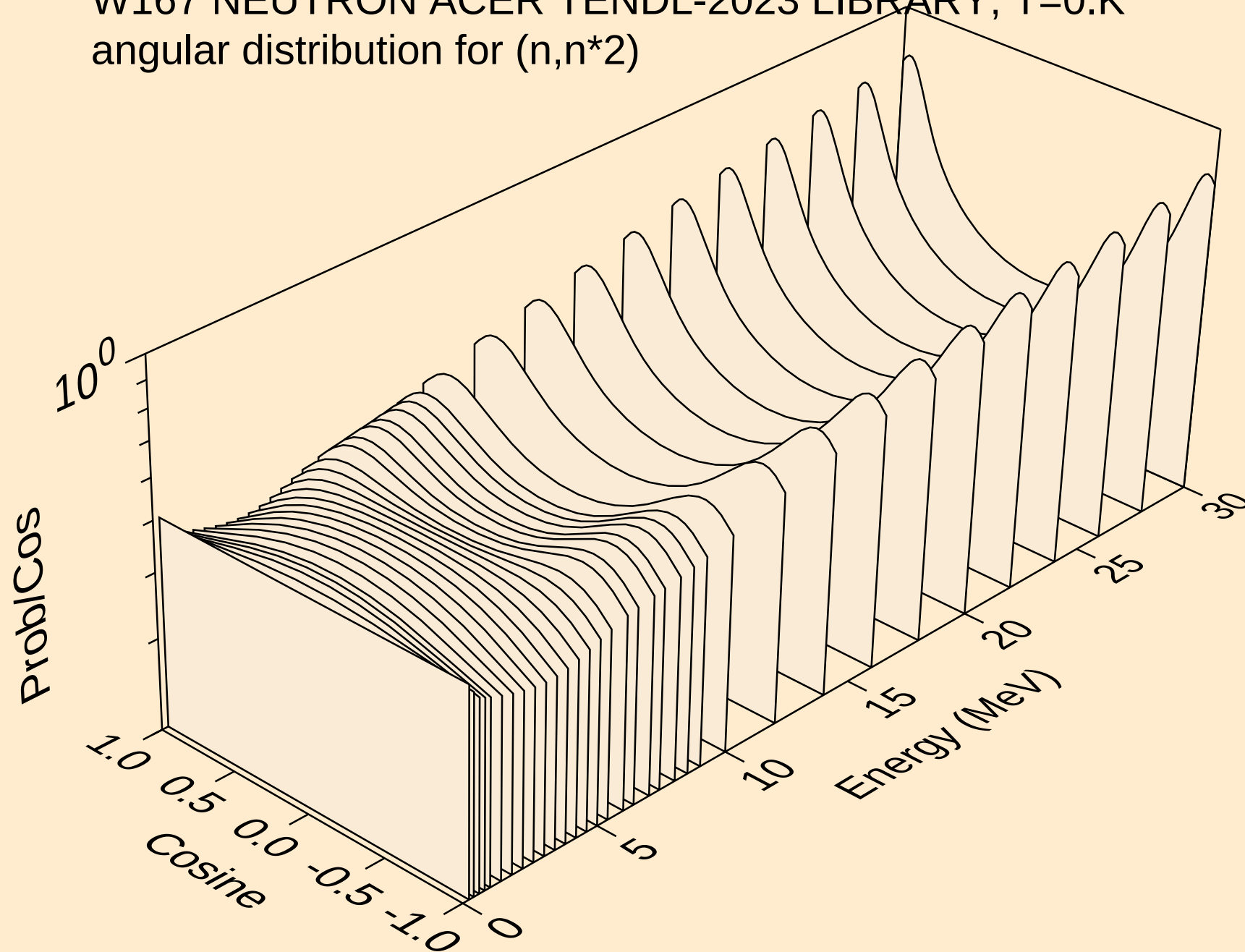
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



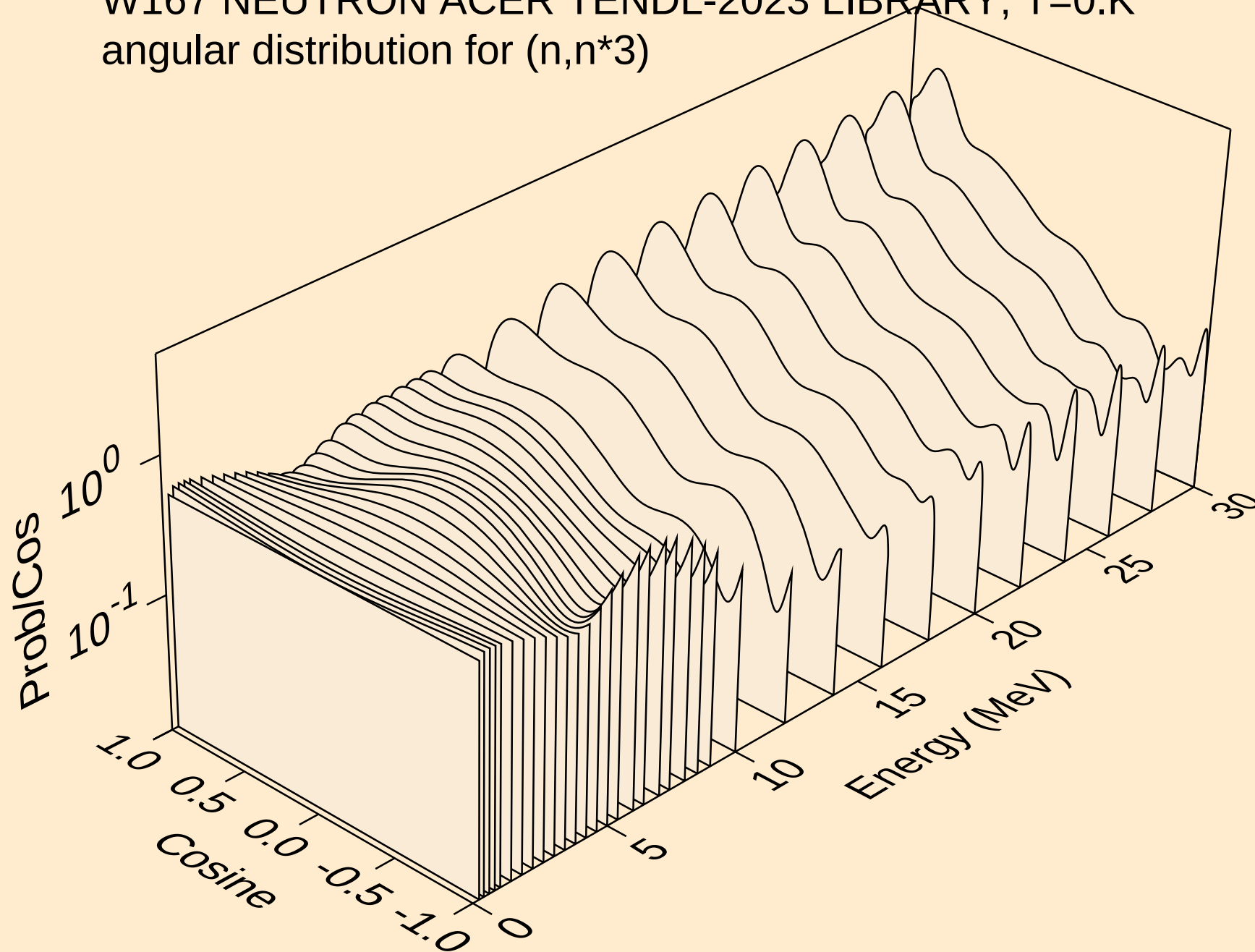
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



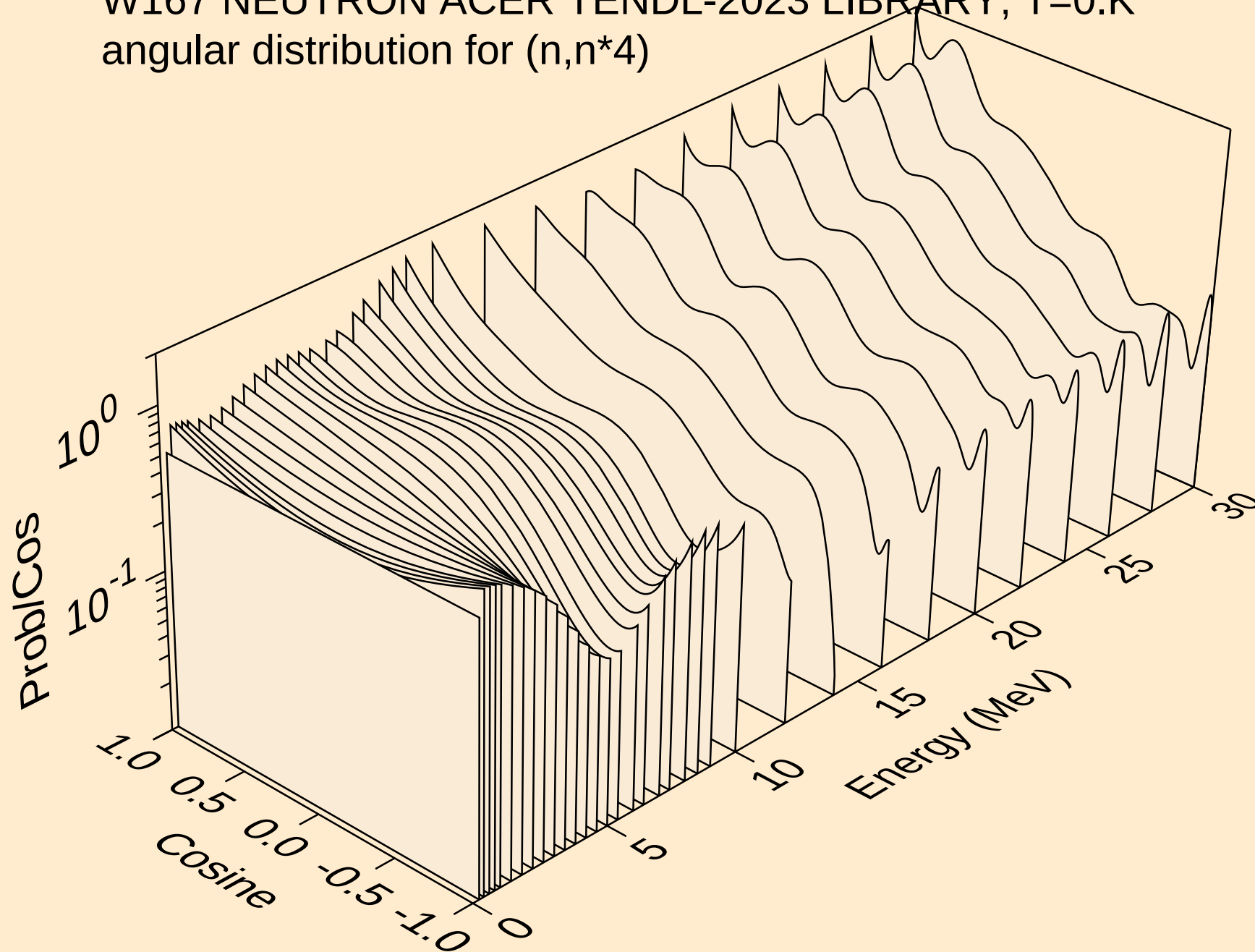
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*2)



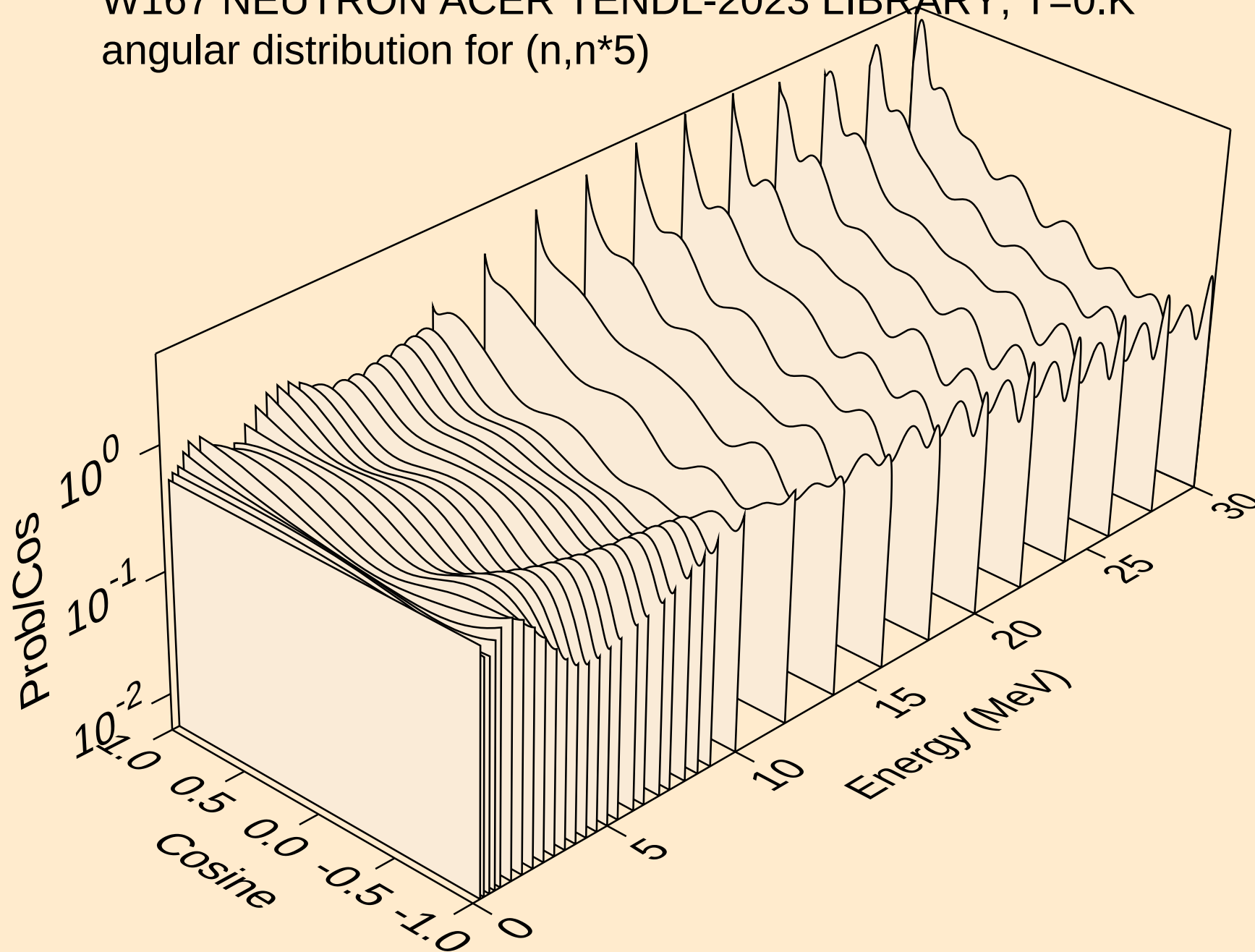
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*3)



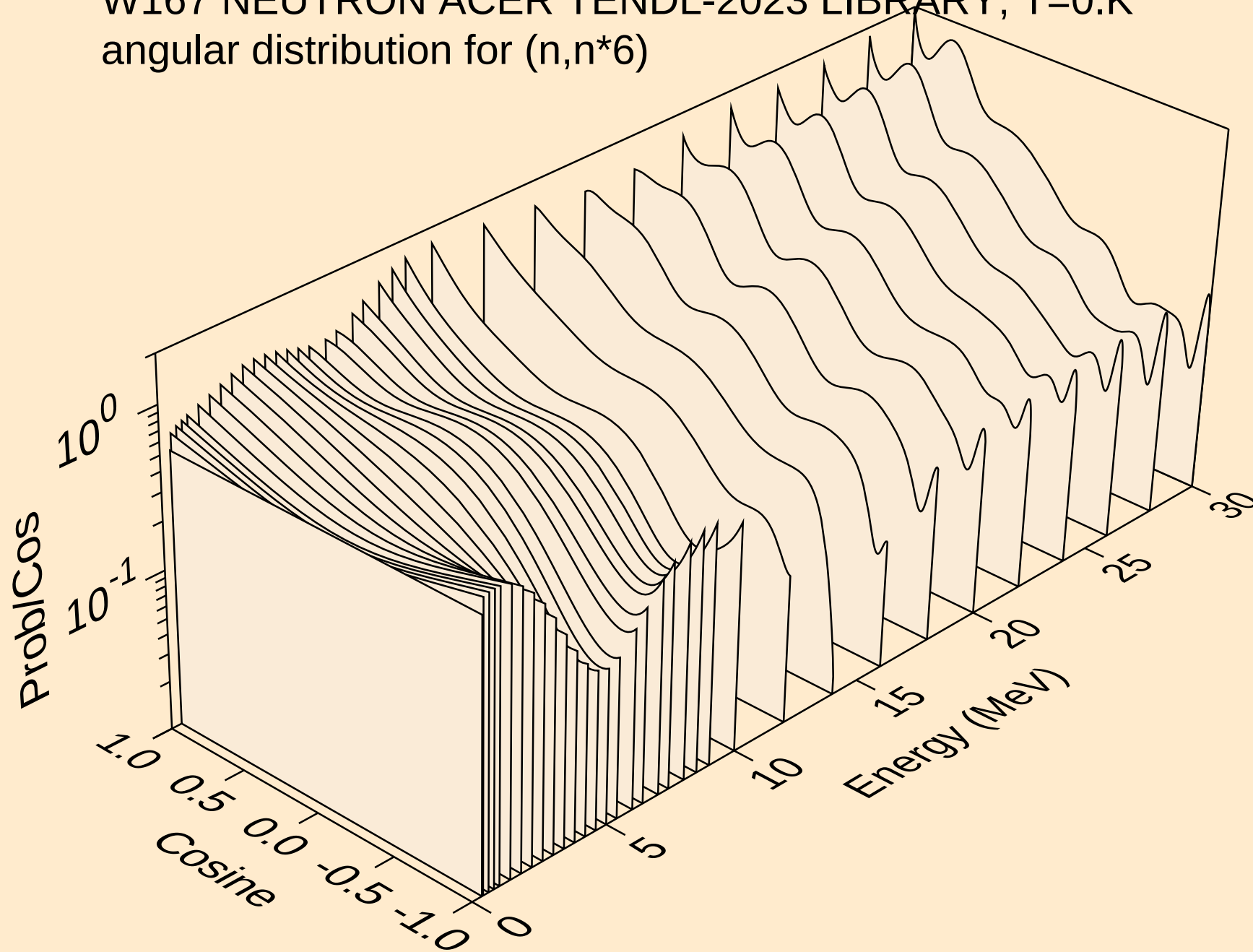
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0$.K
angular distribution for (n,n*4)



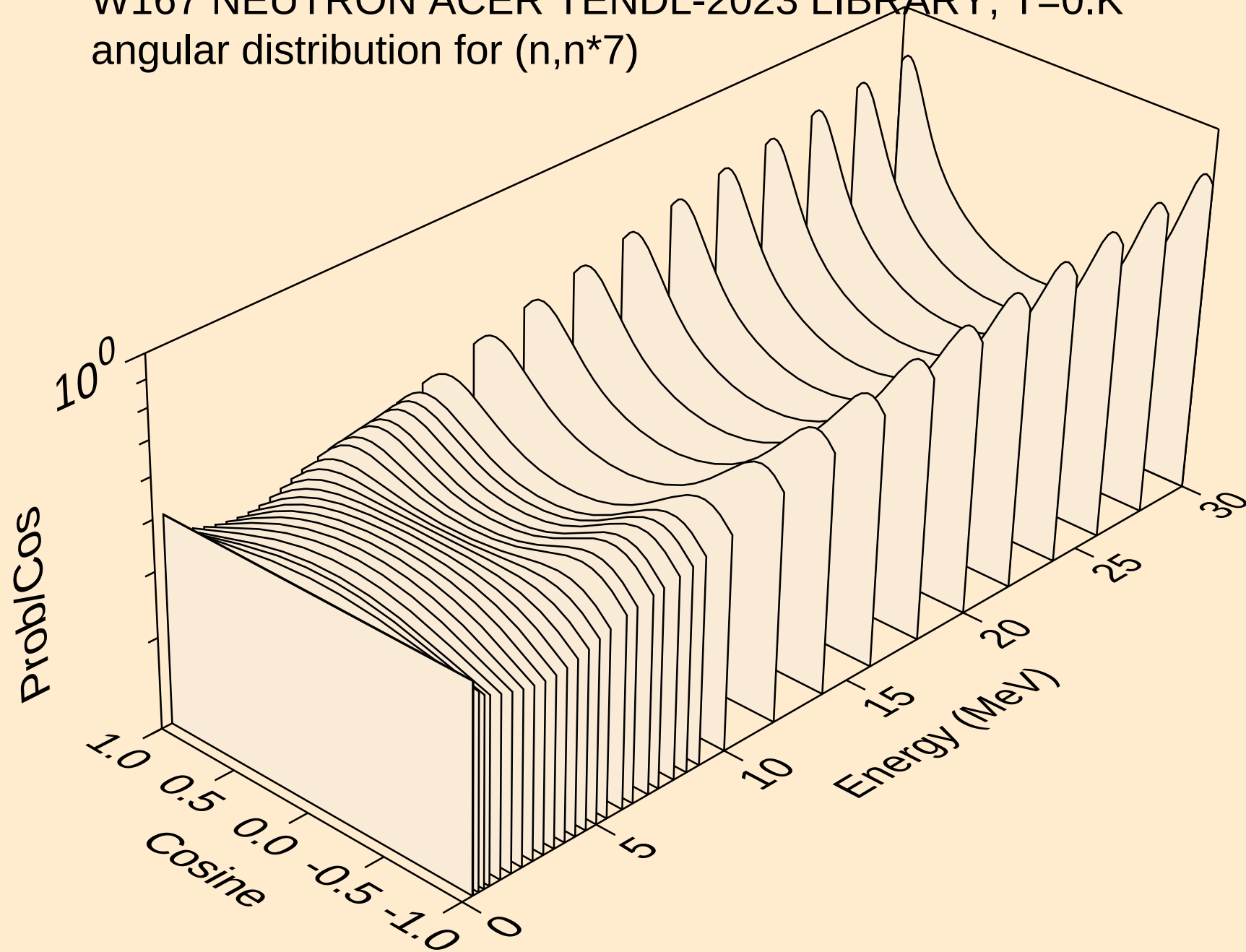
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



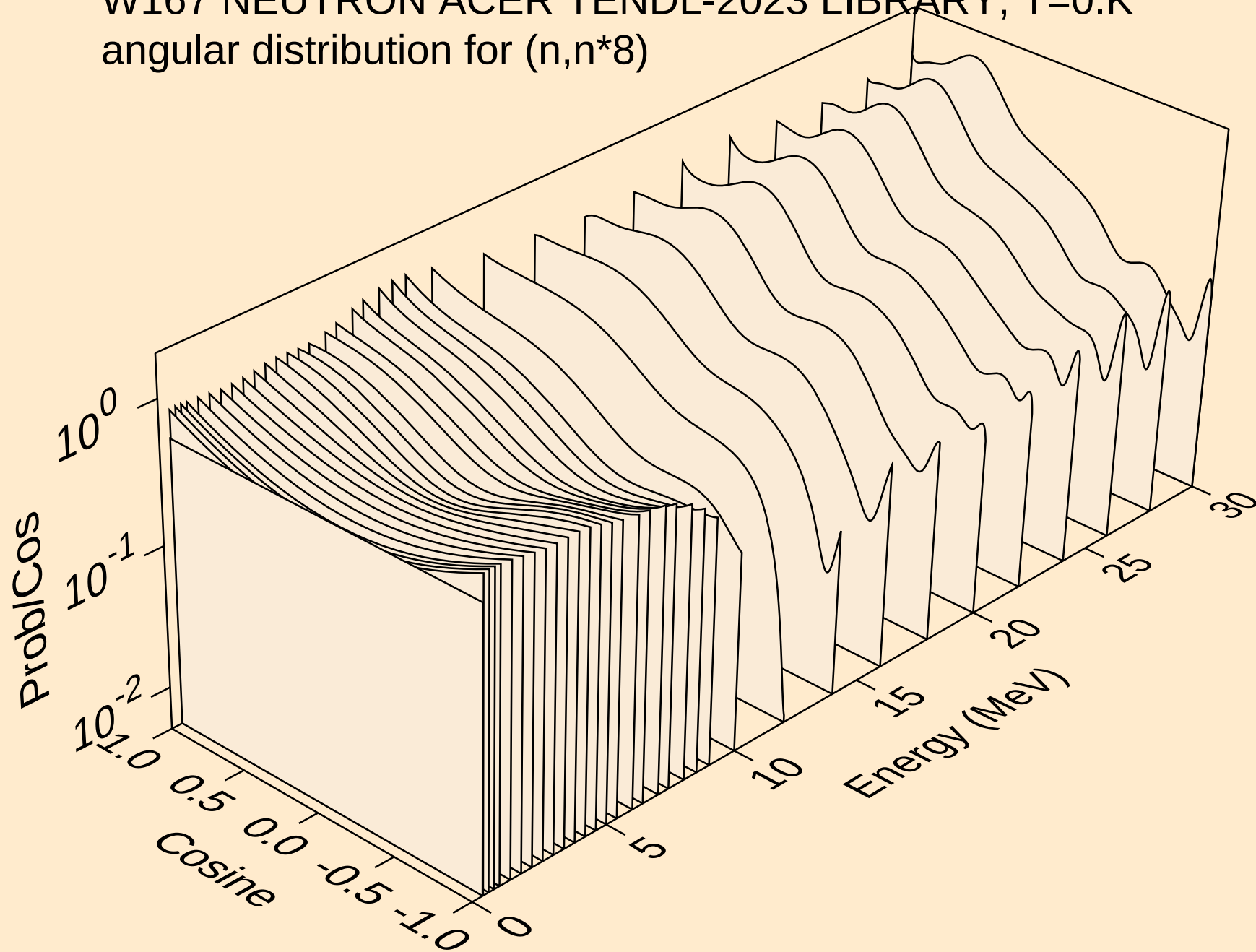
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*6)



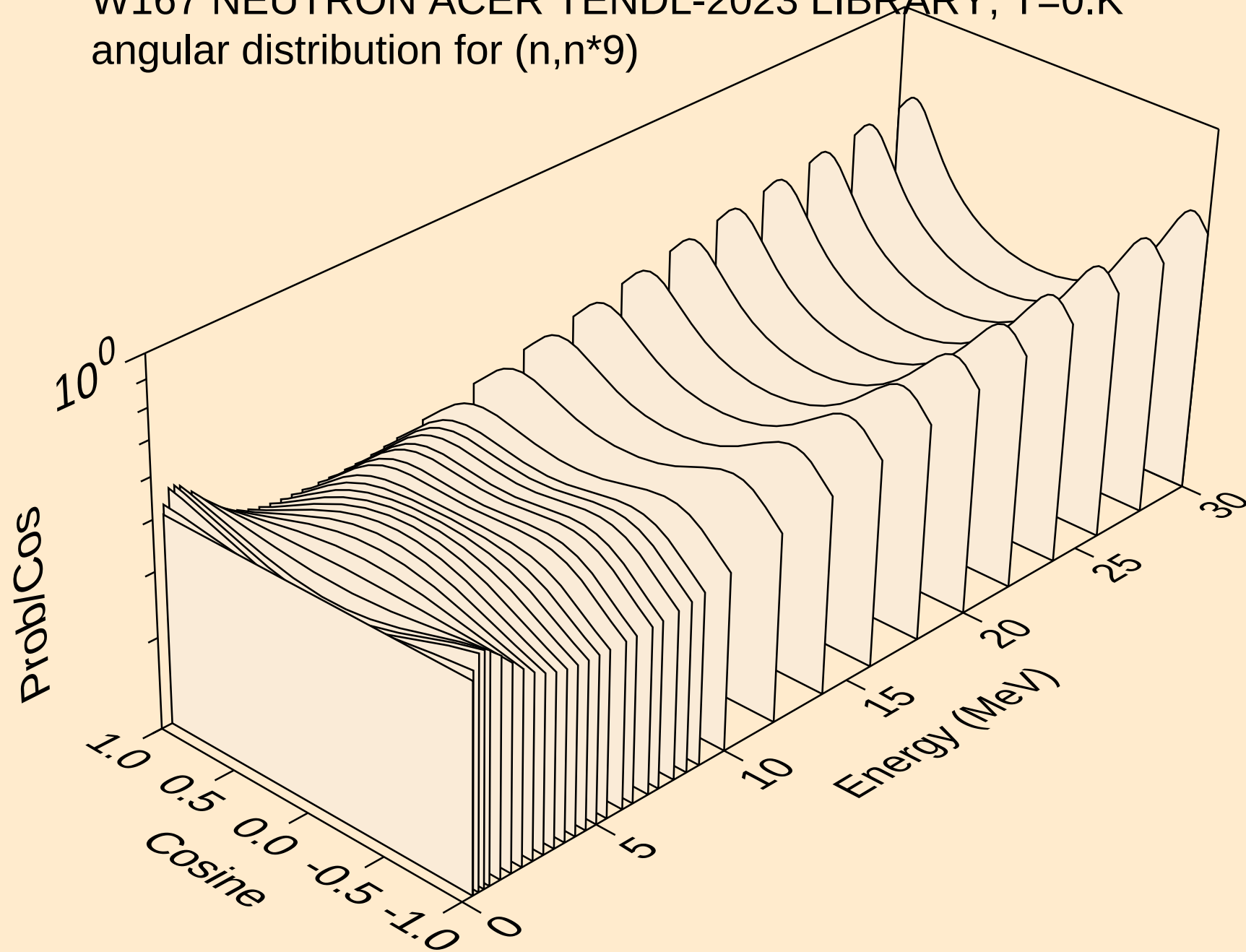
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*7)



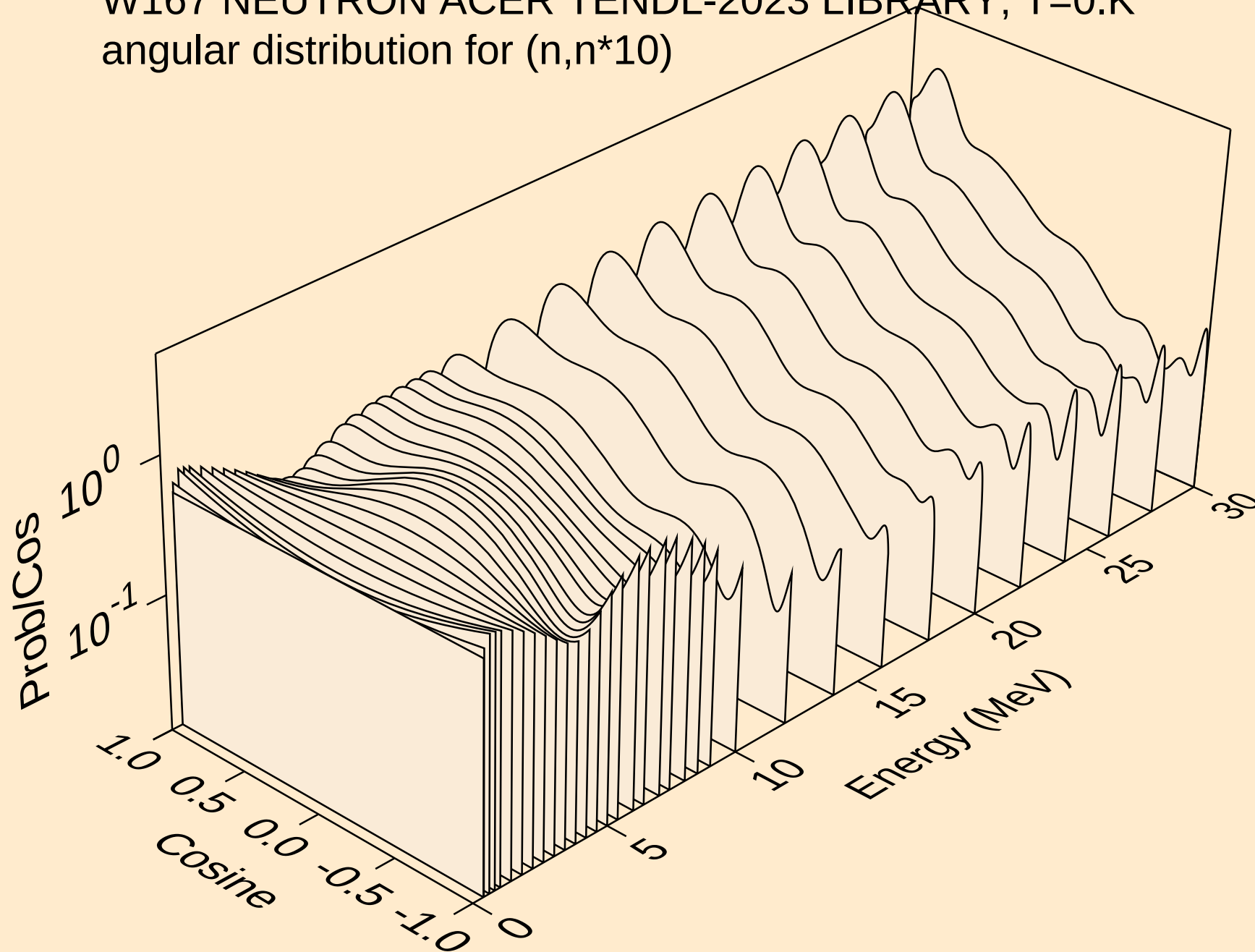
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



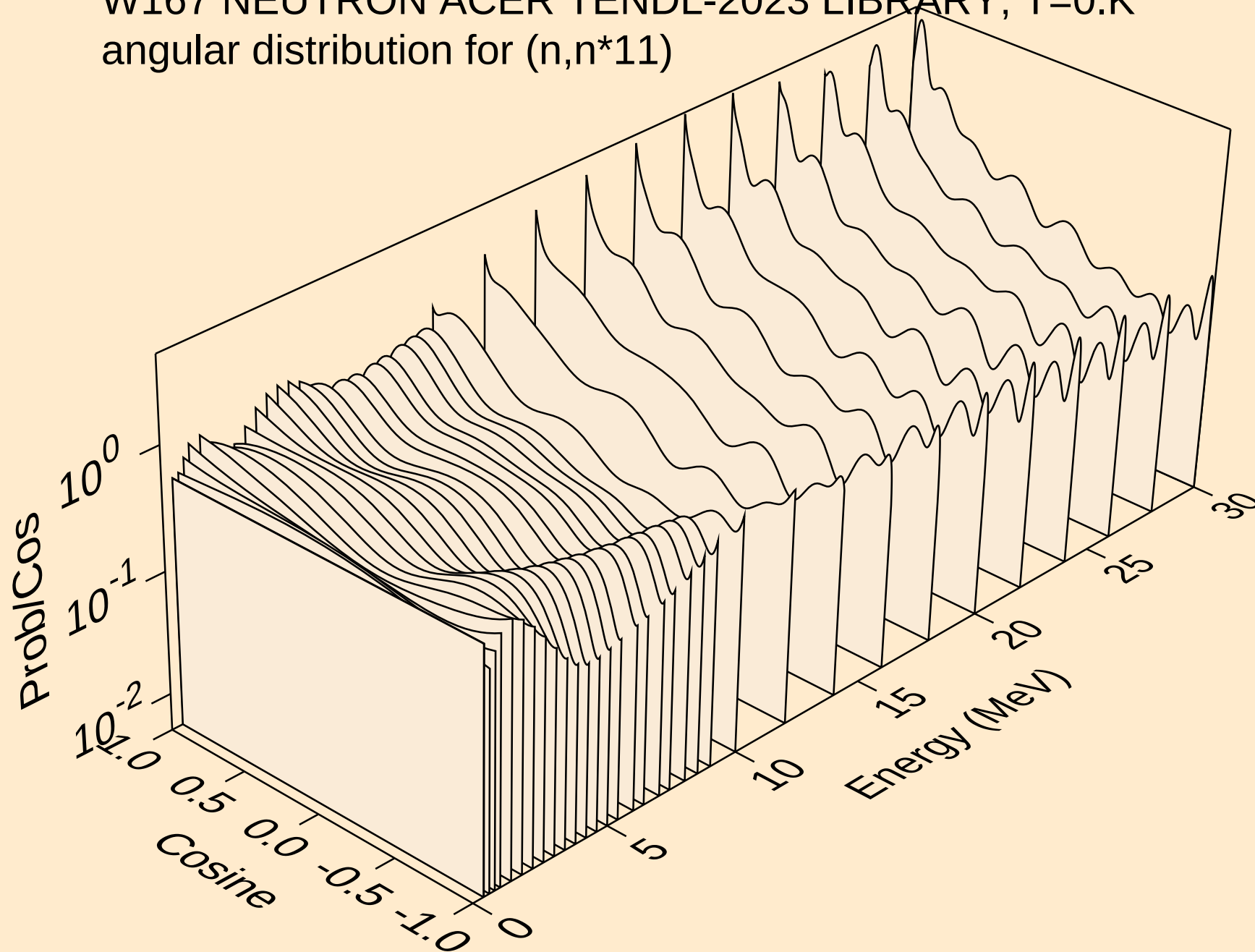
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*9)



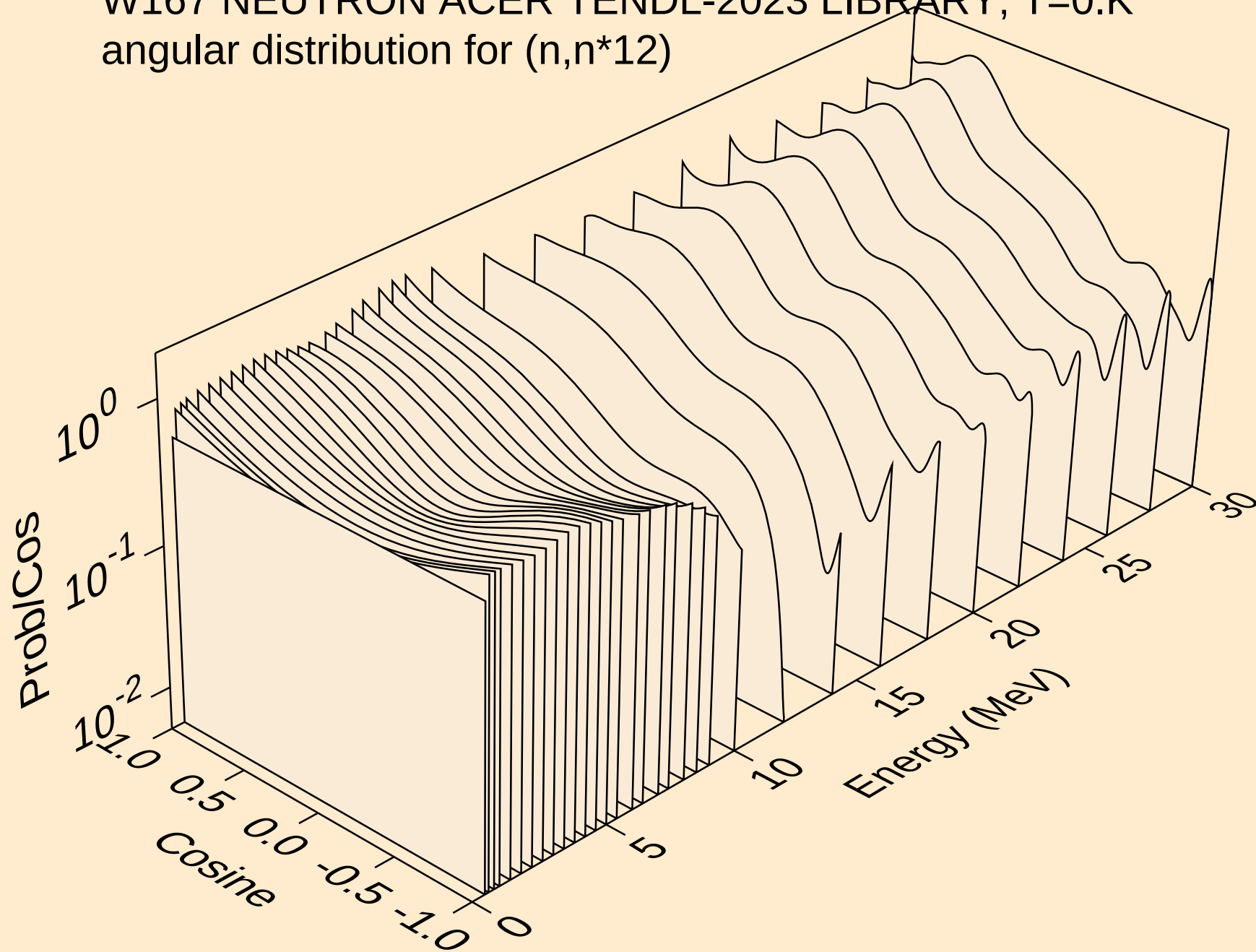
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*10)



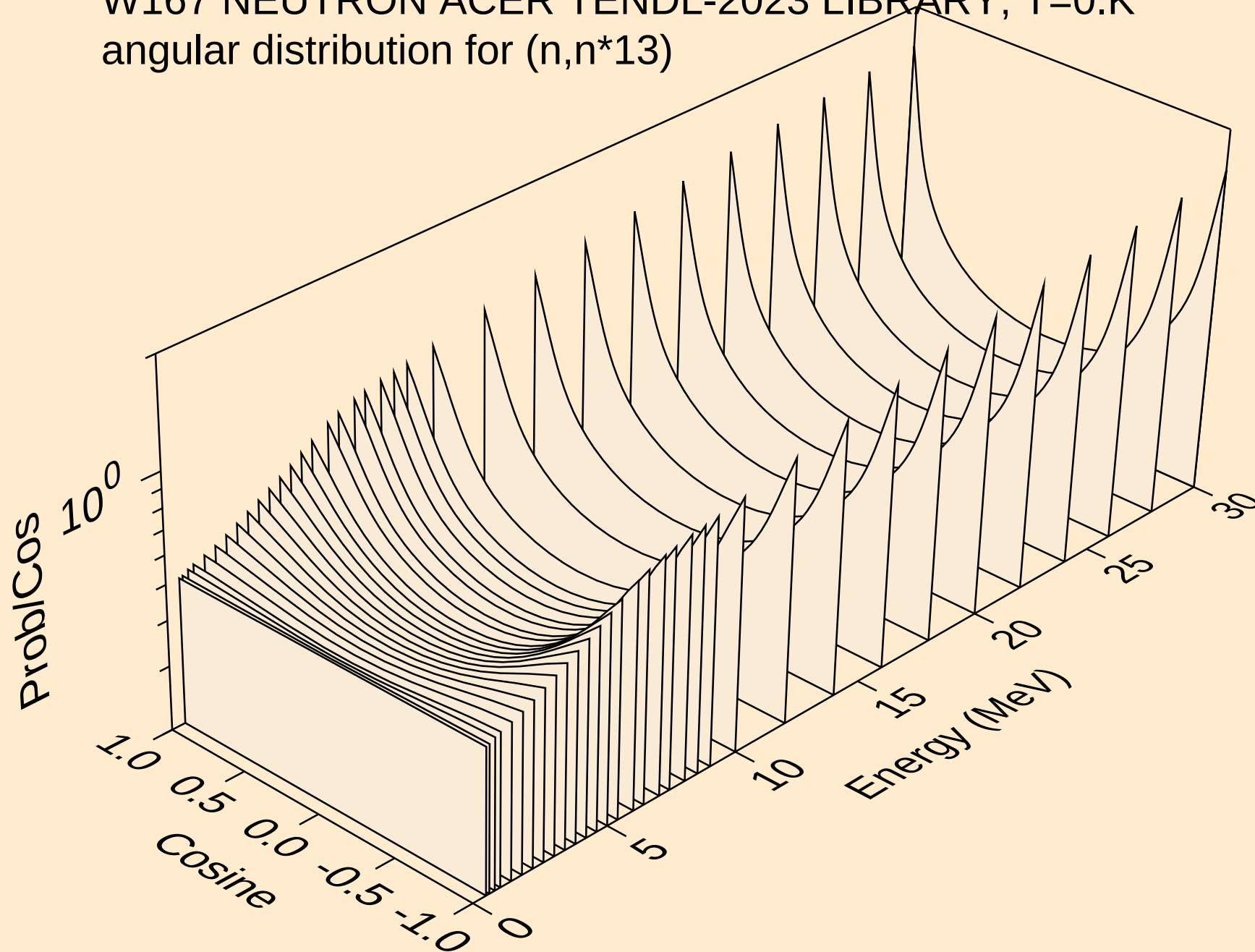
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*11)



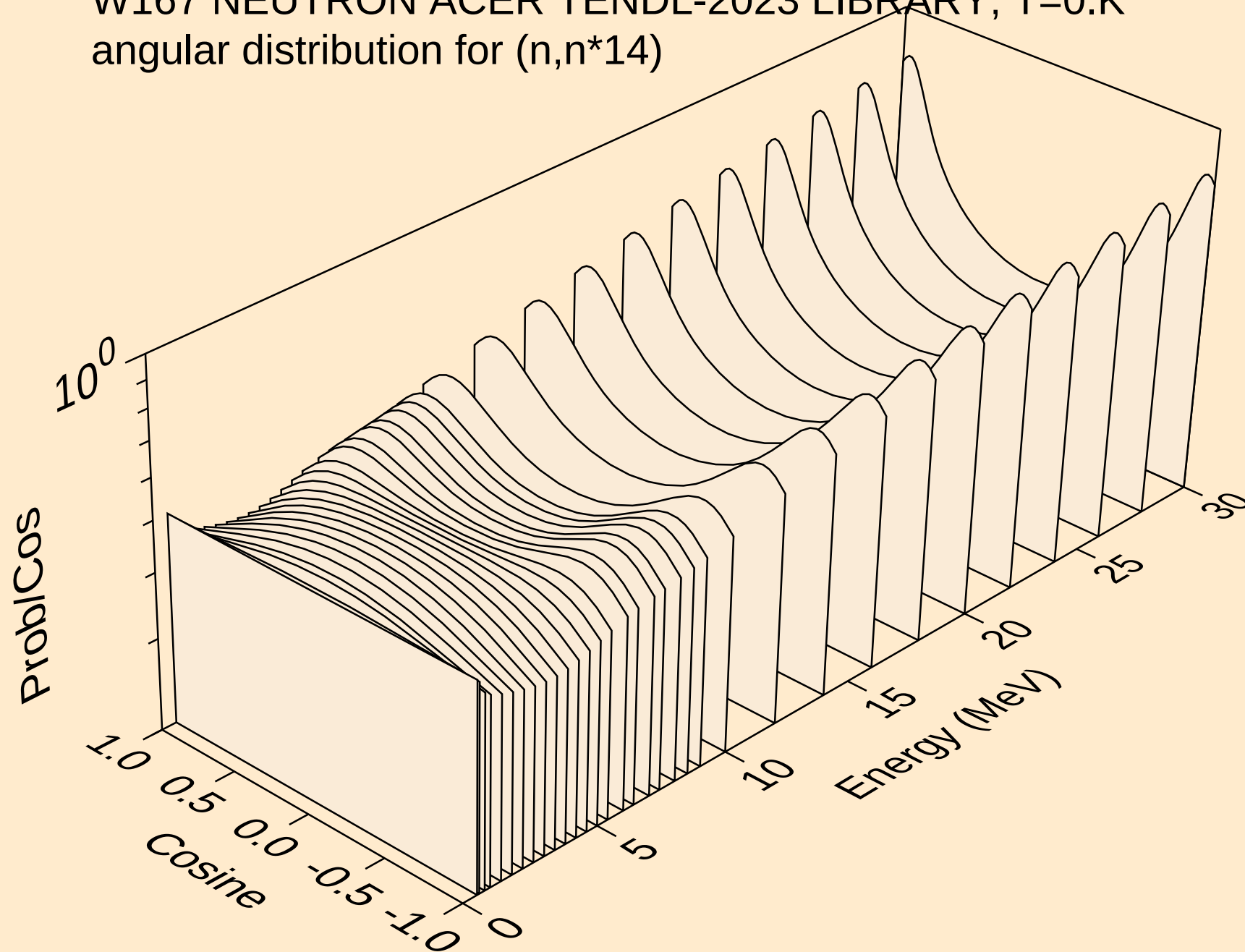
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*12)



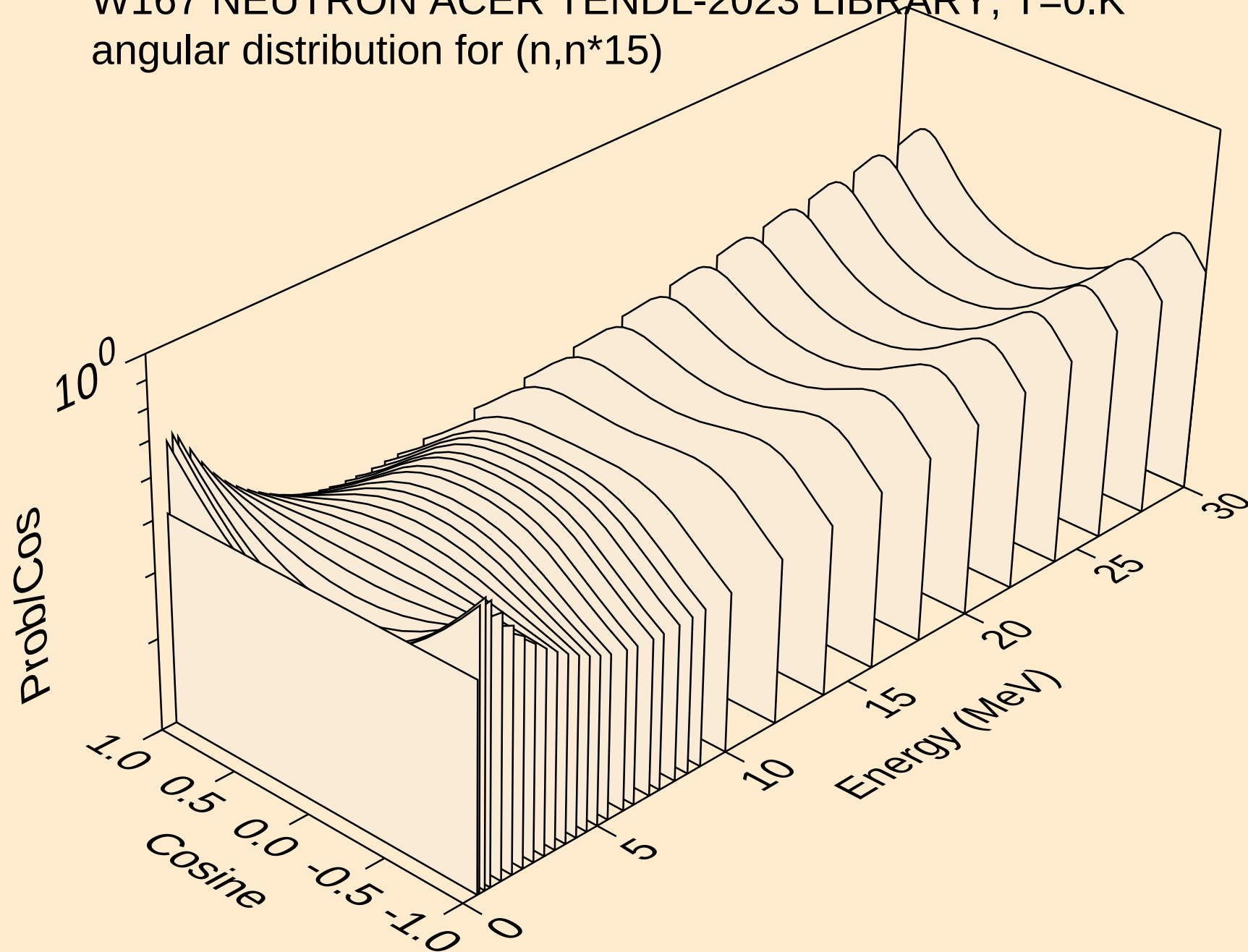
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*13)



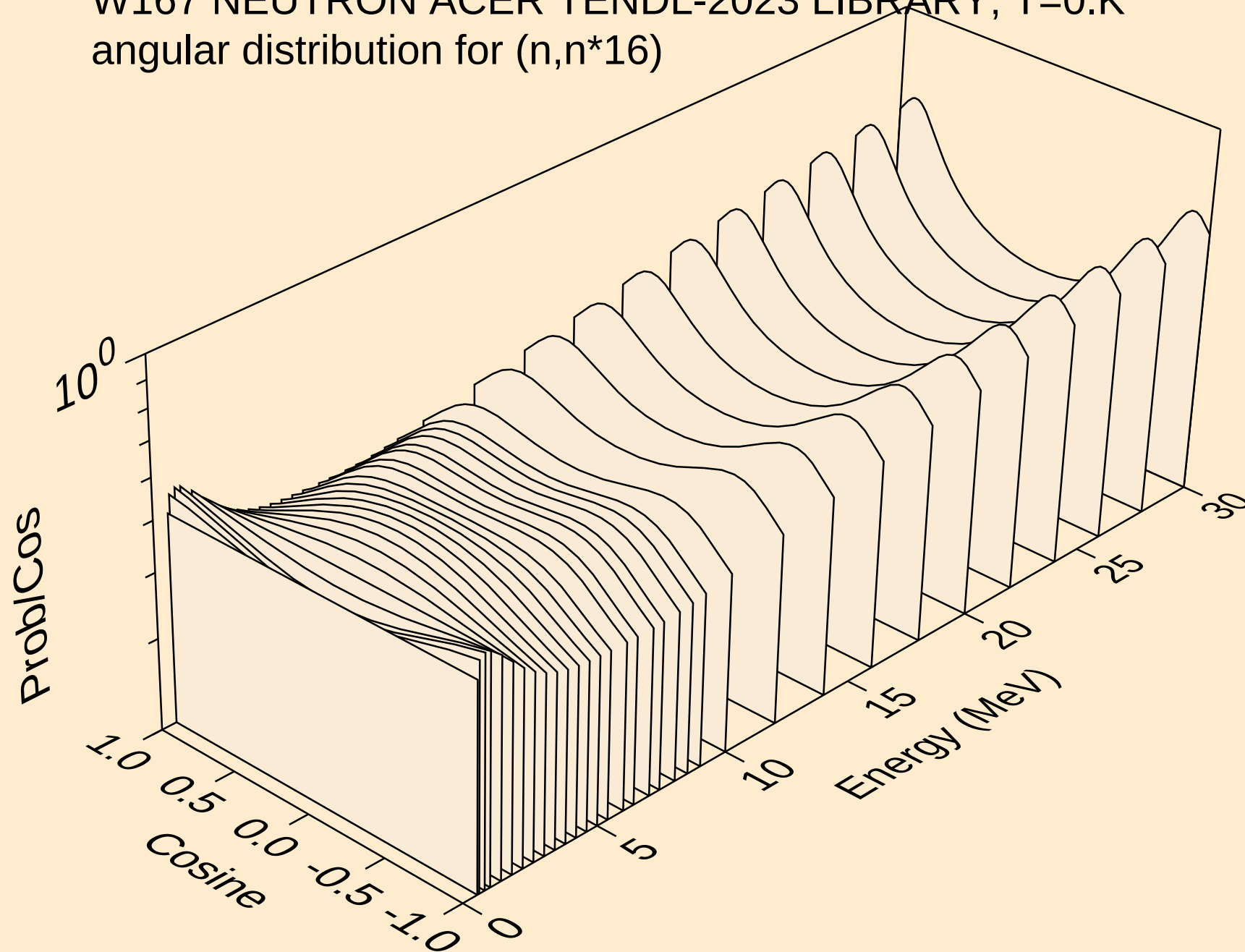
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*14)



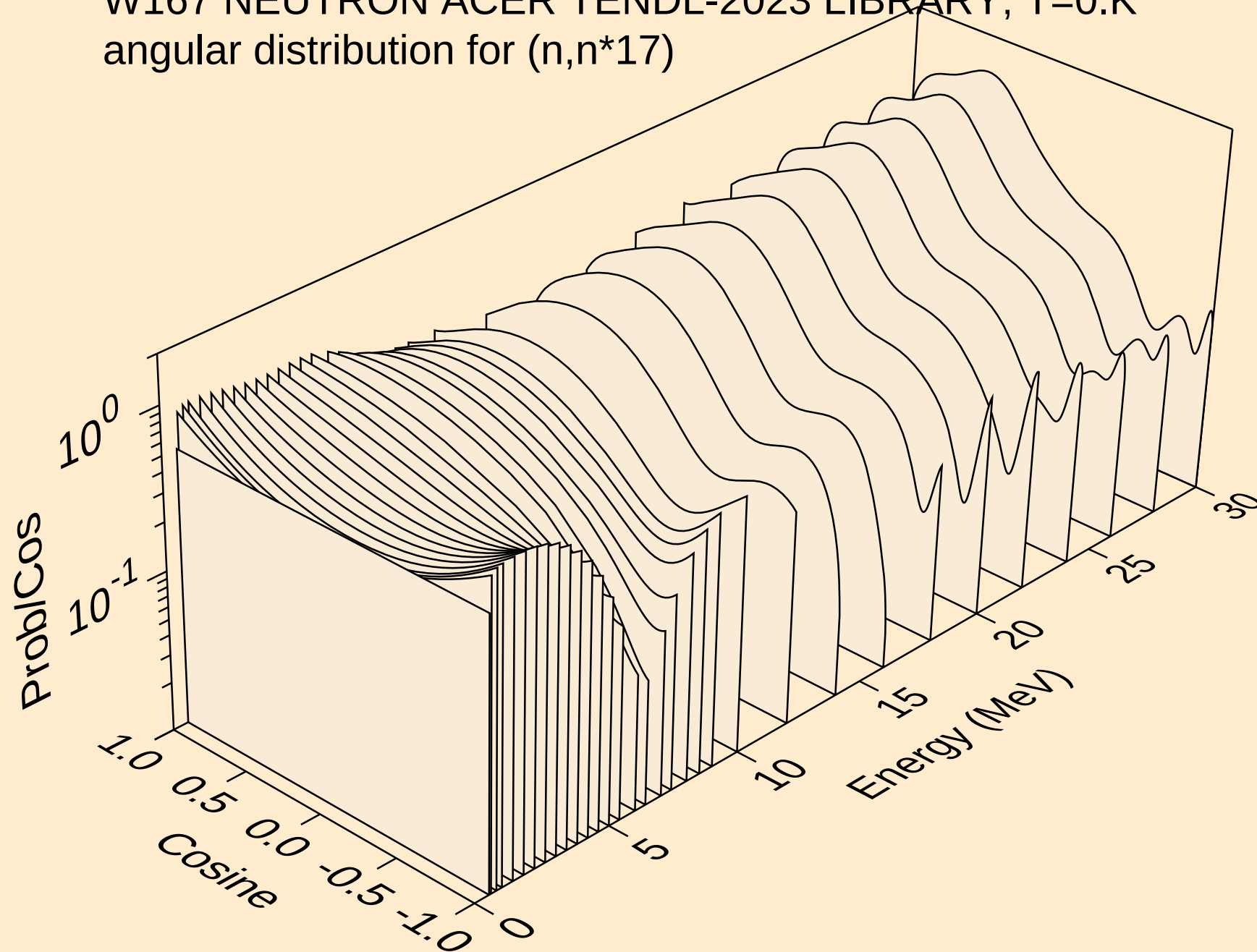
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*15)



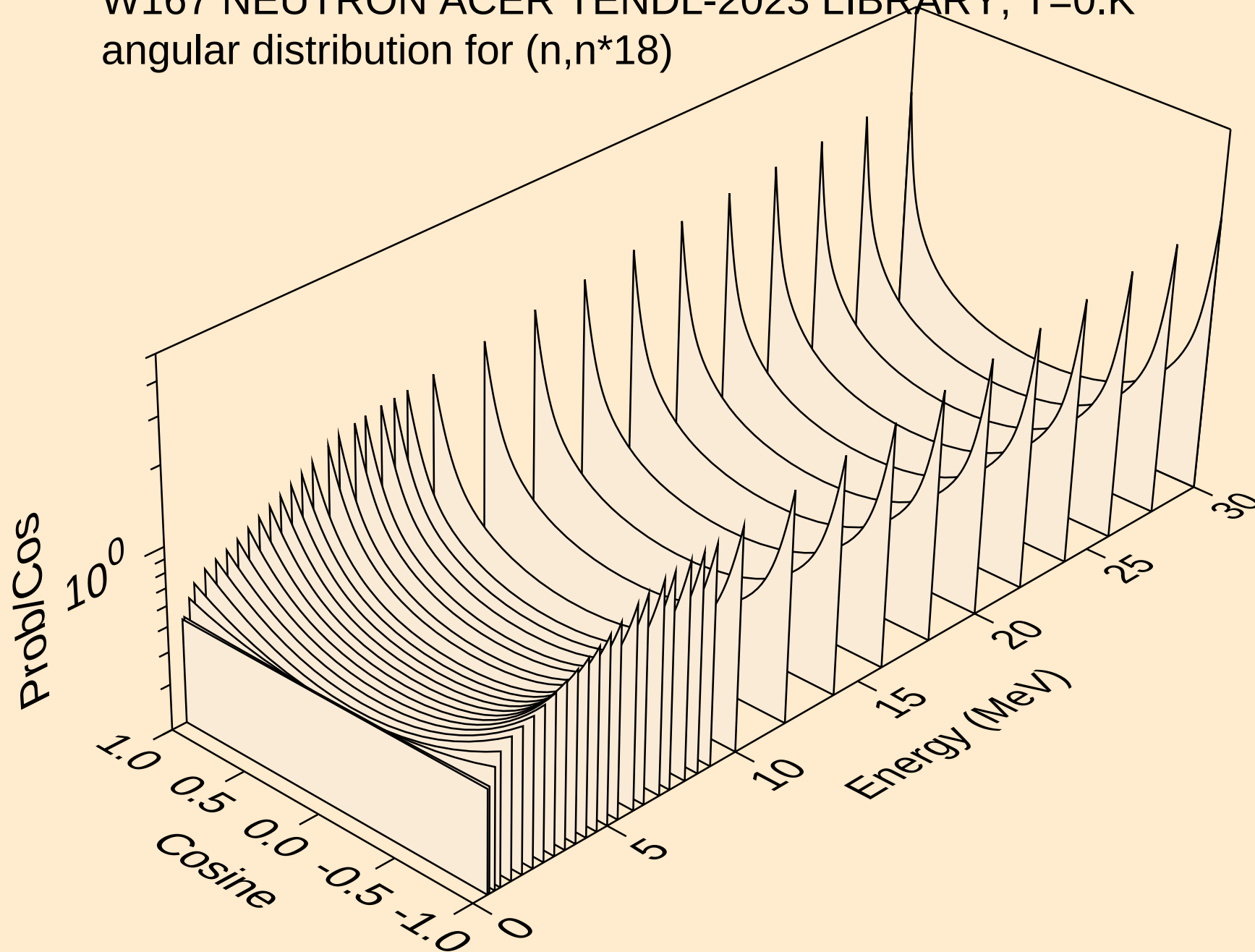
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*16)



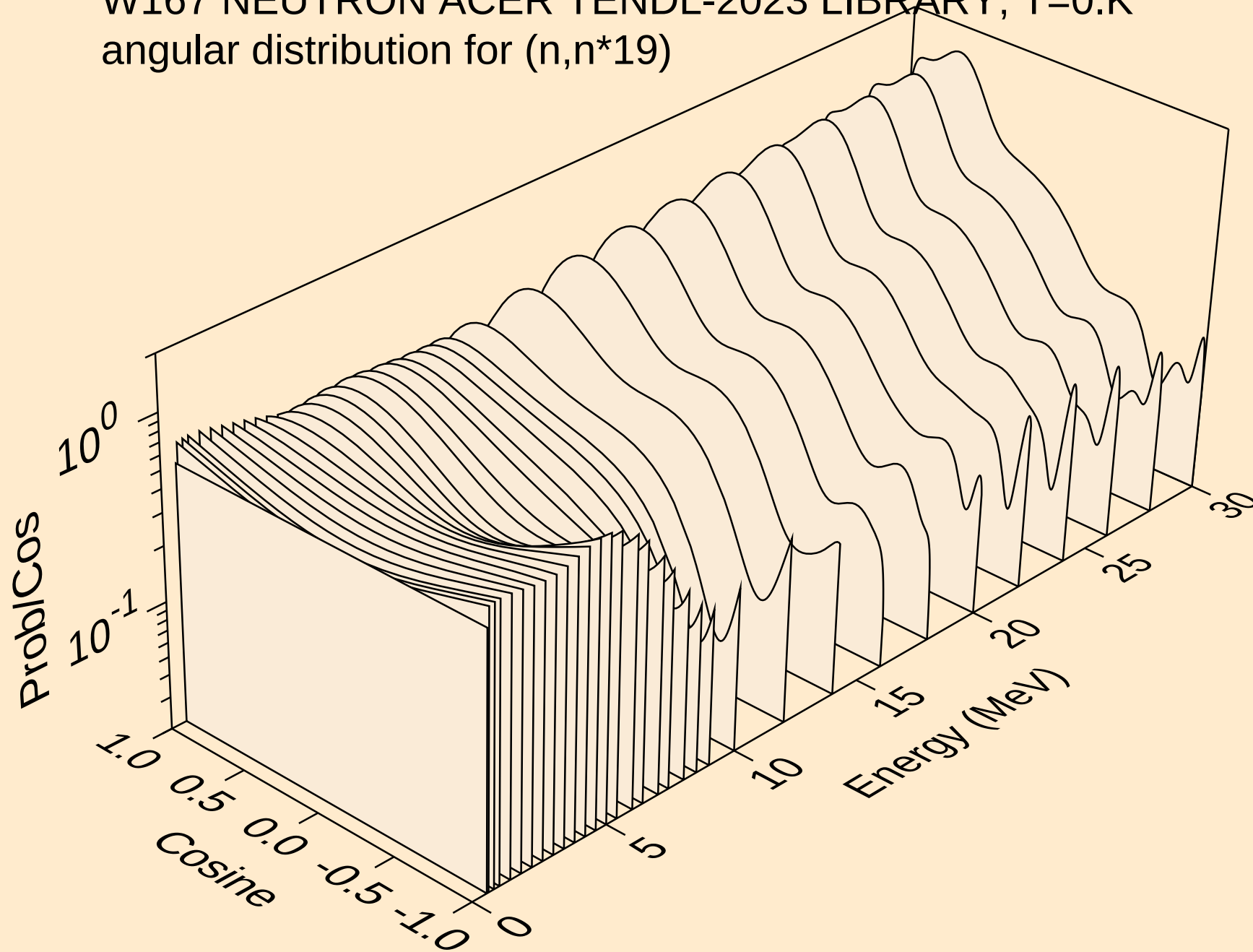
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*17)



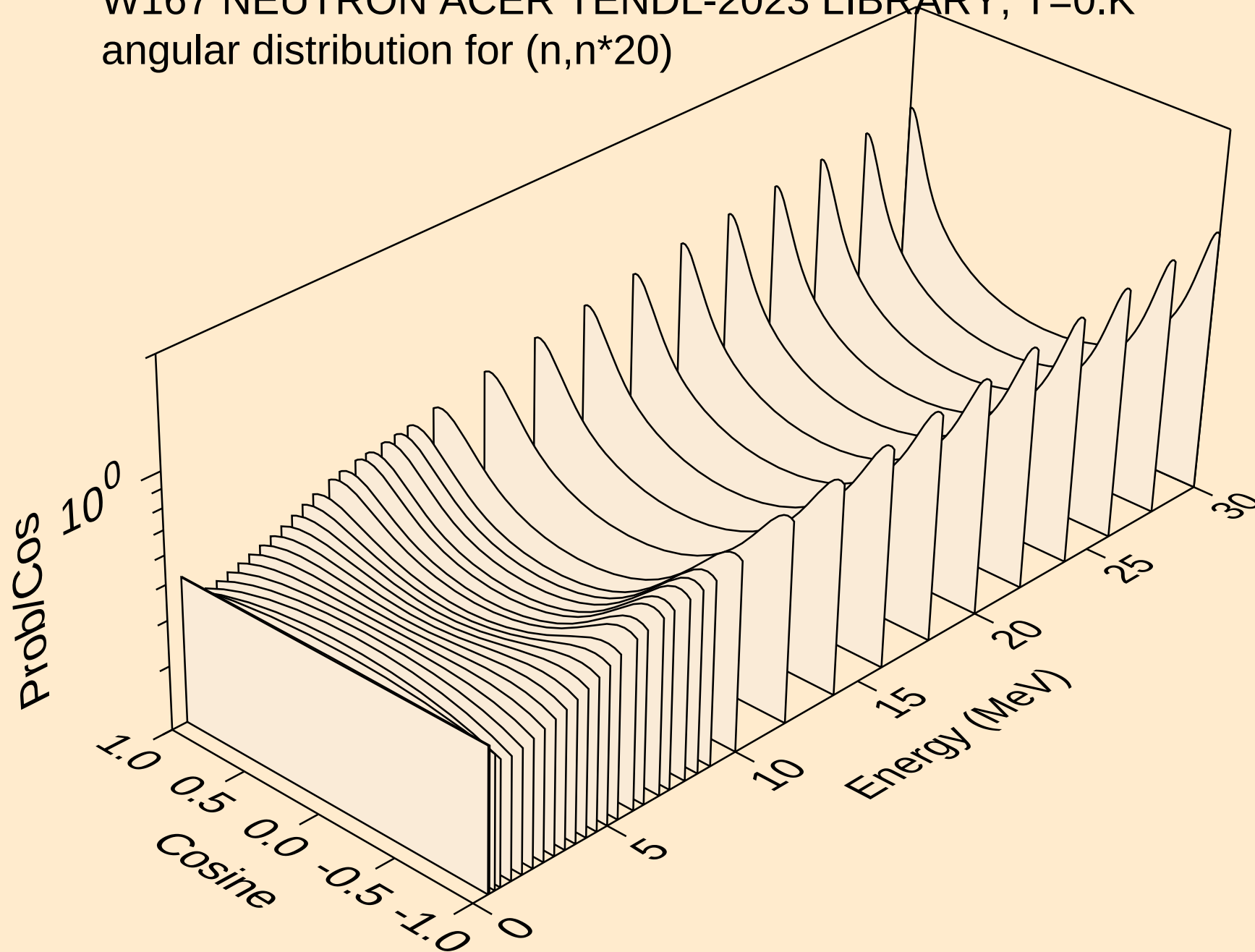
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*18)



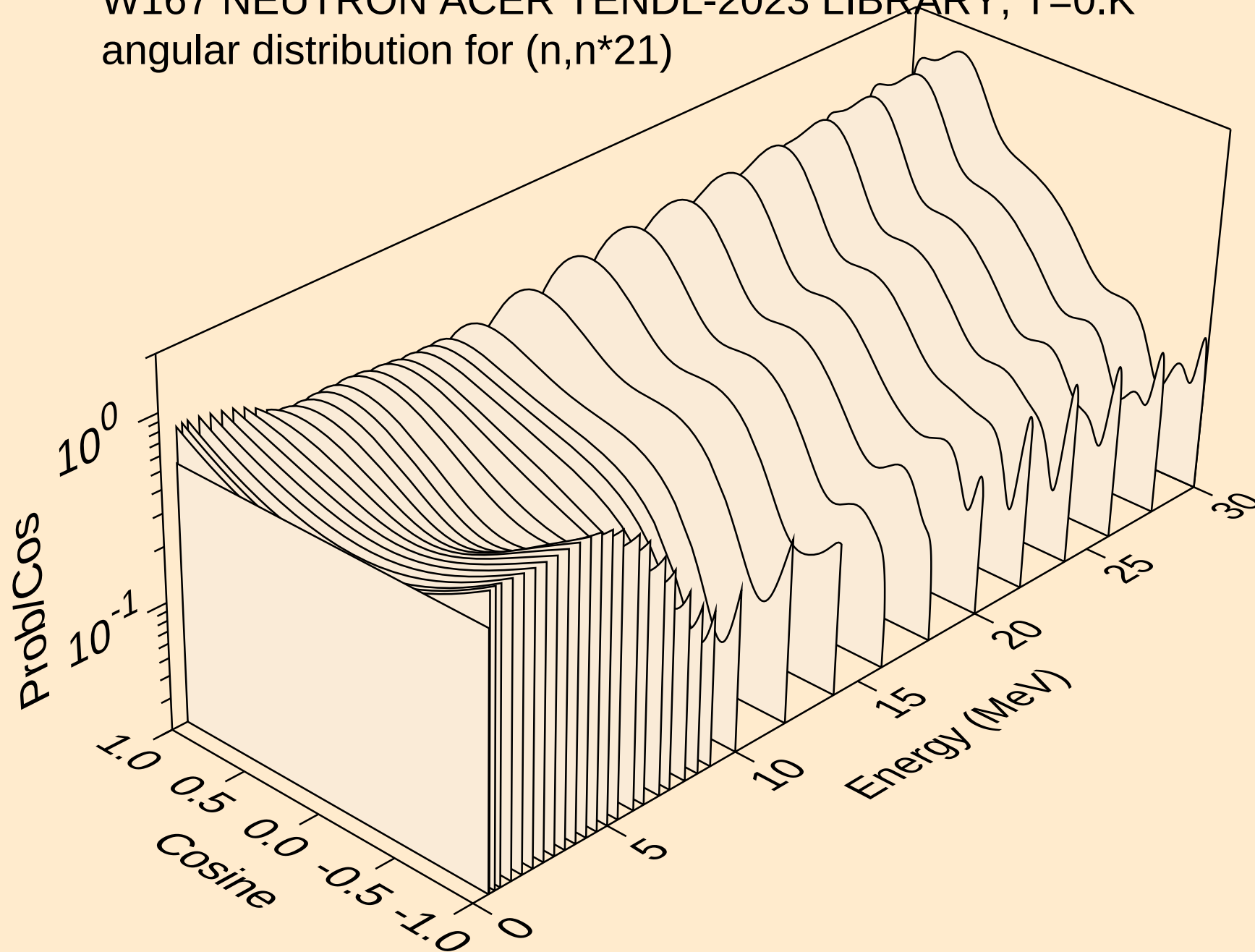
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*19)



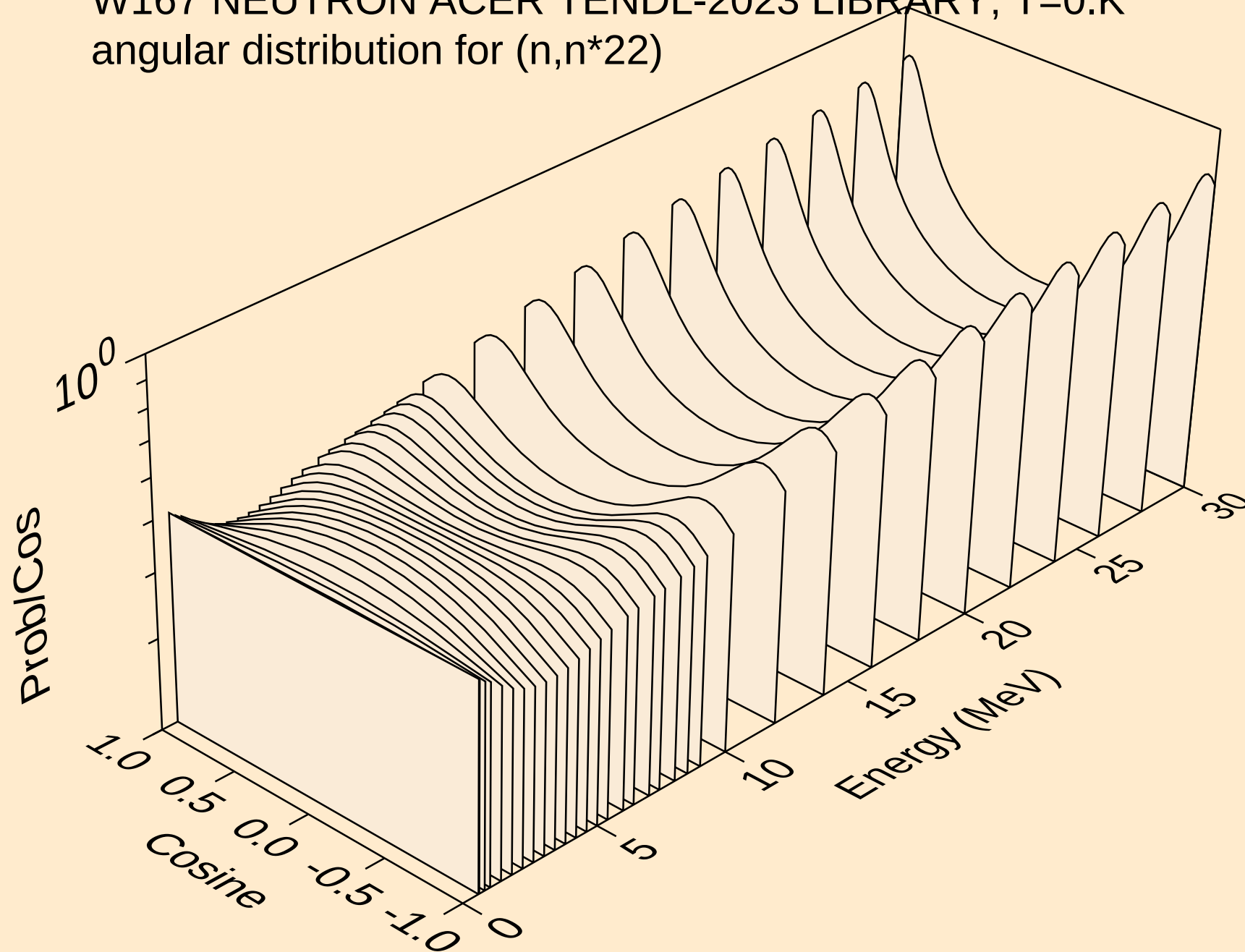
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
angular distribution for (n,n*20)



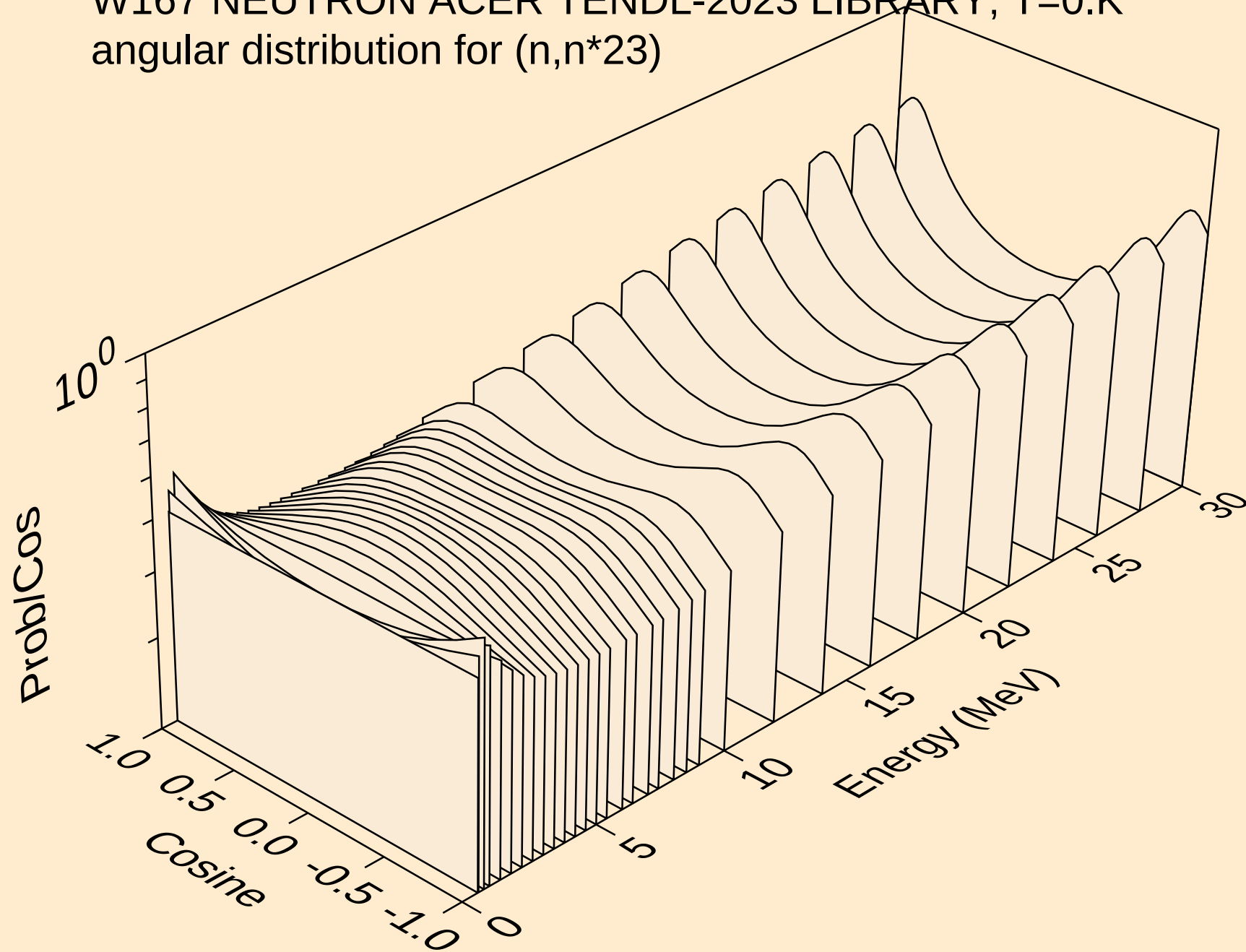
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*21)



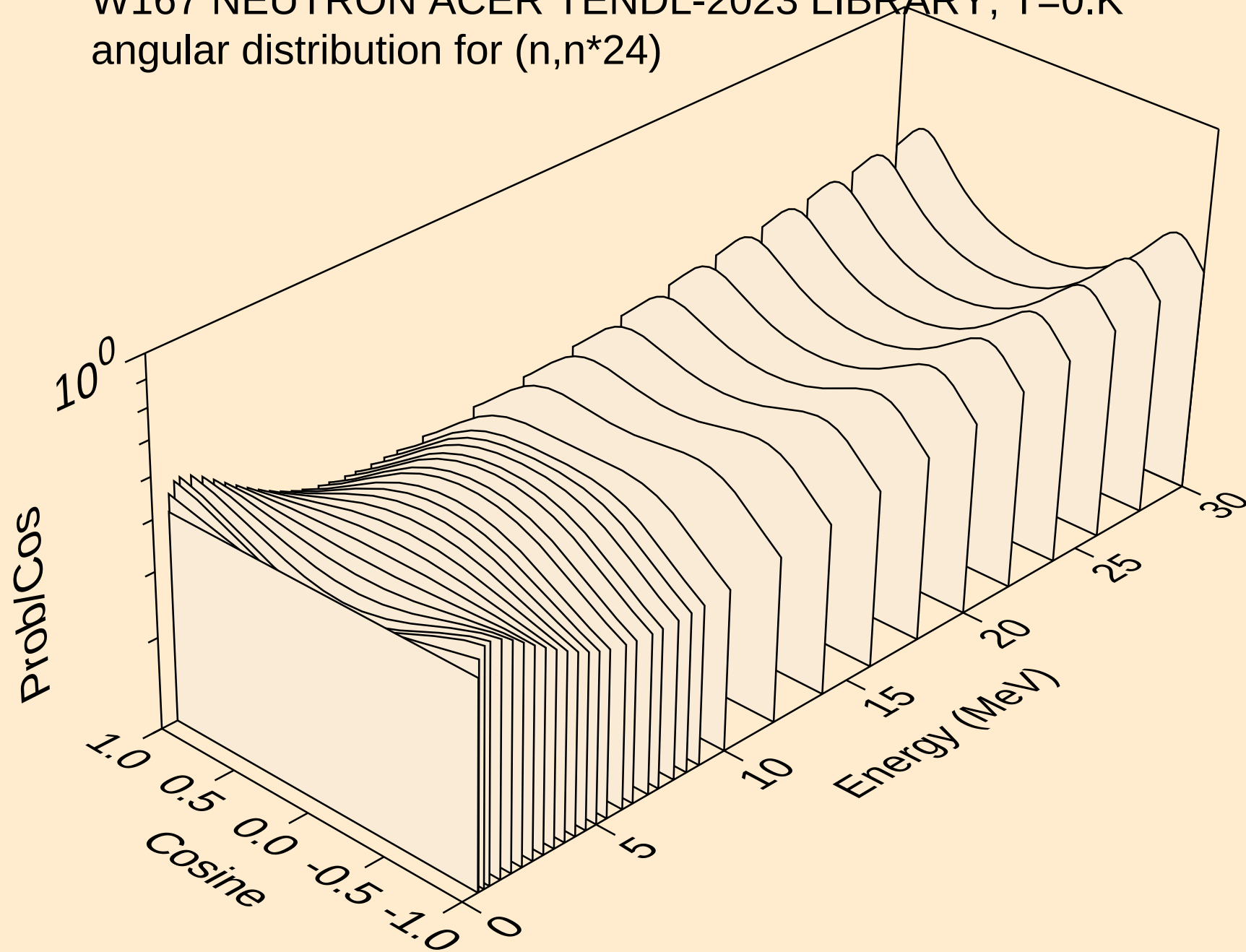
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angular distribution for (n,n*22)



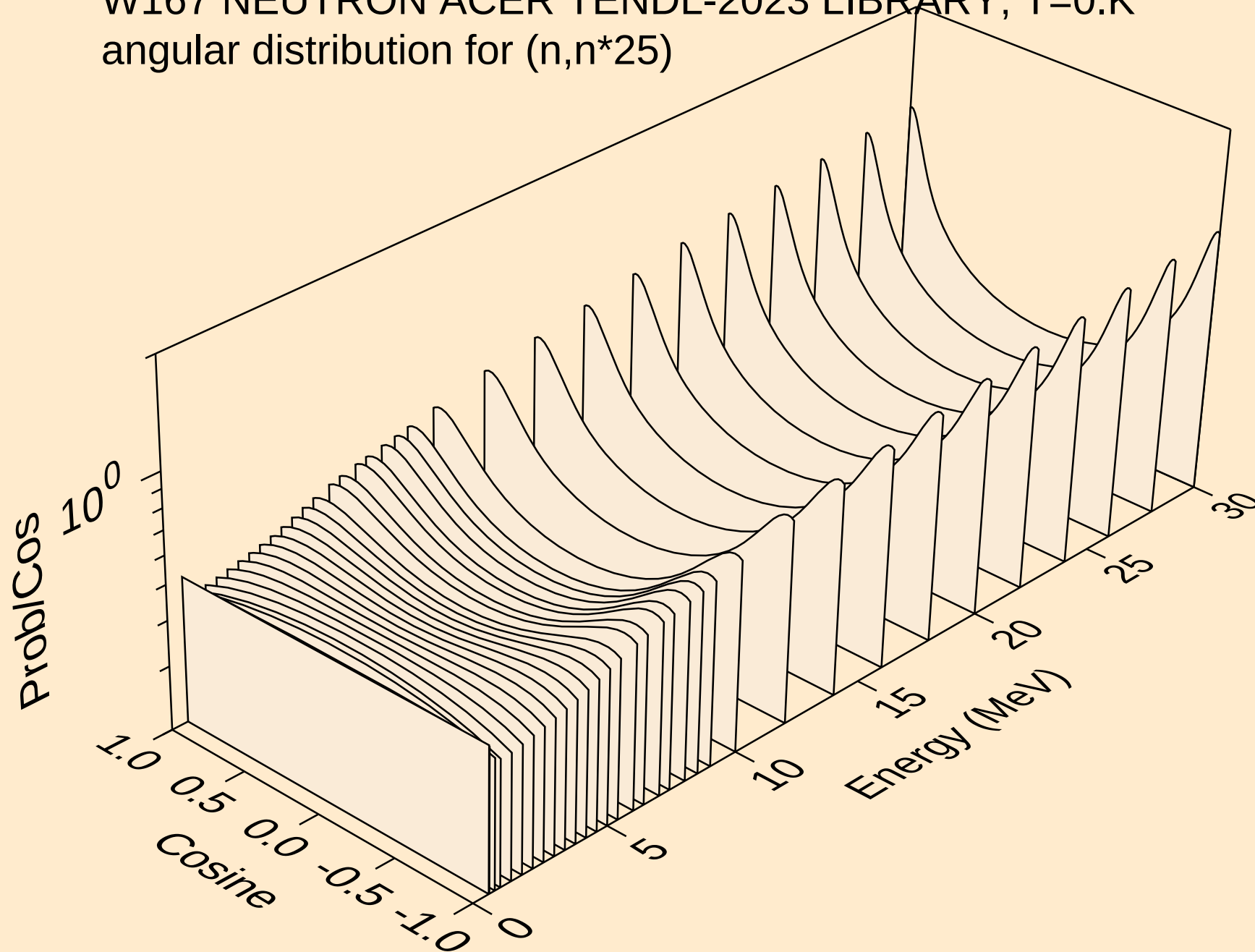
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angular distribution for (n,n*23)



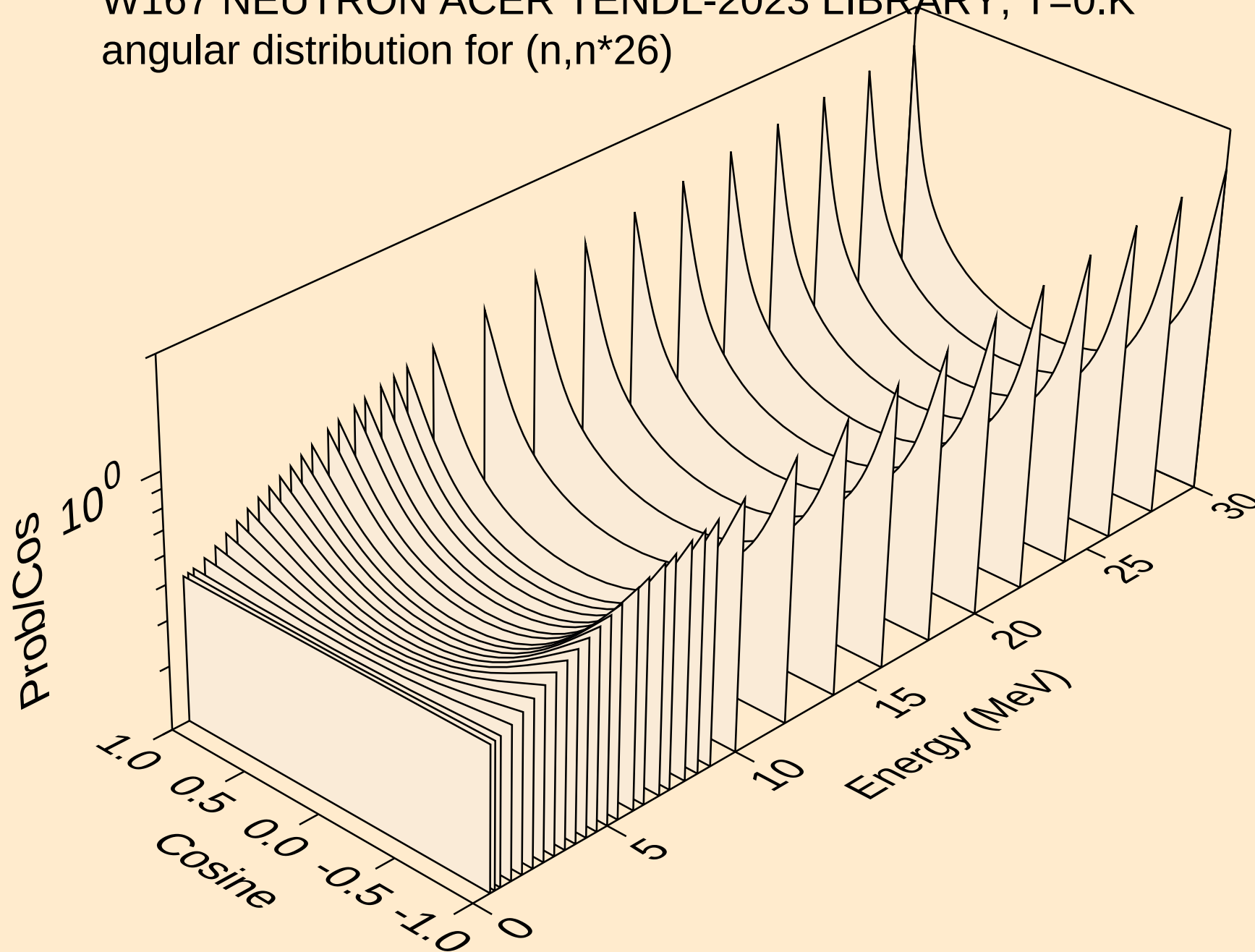
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*24)



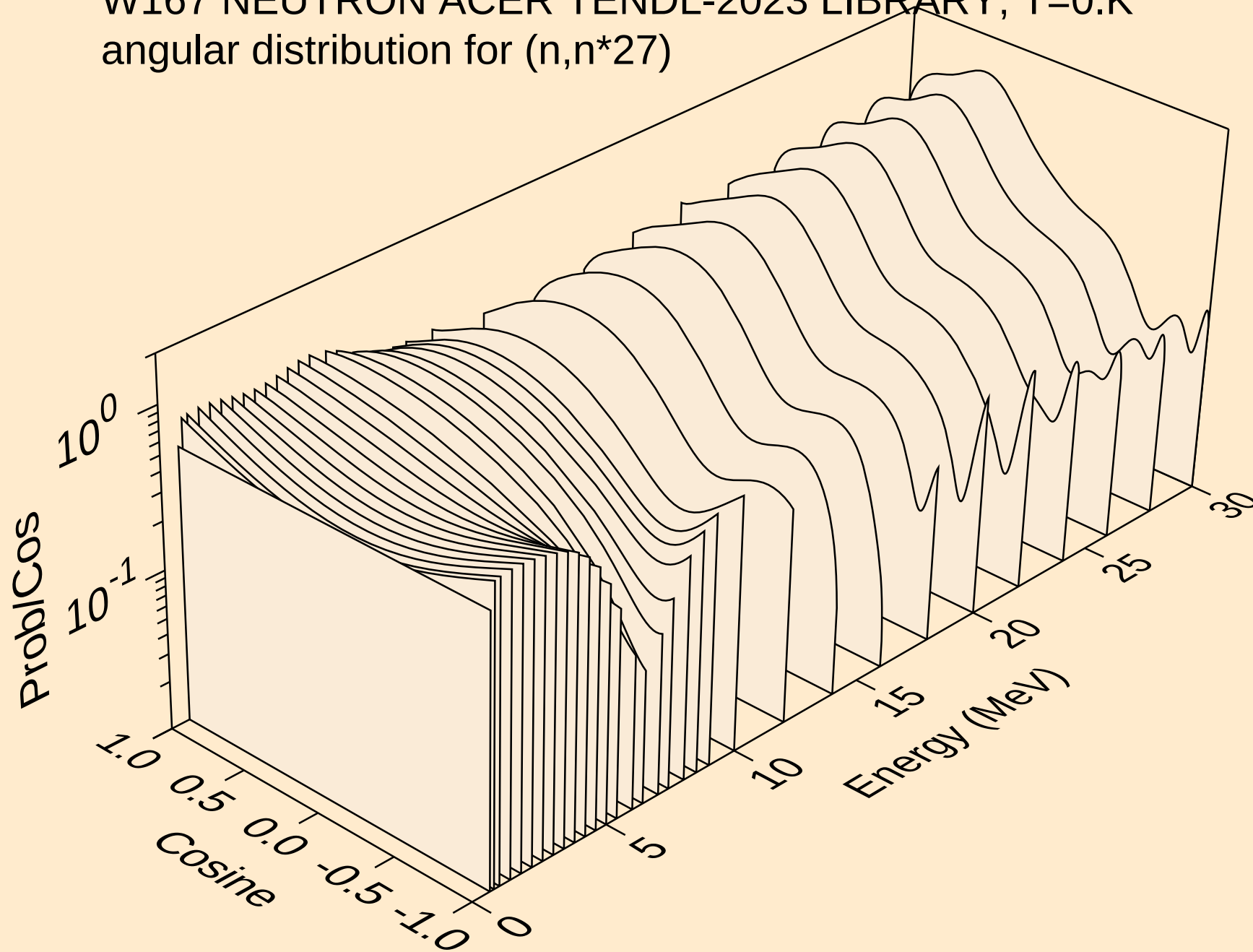
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



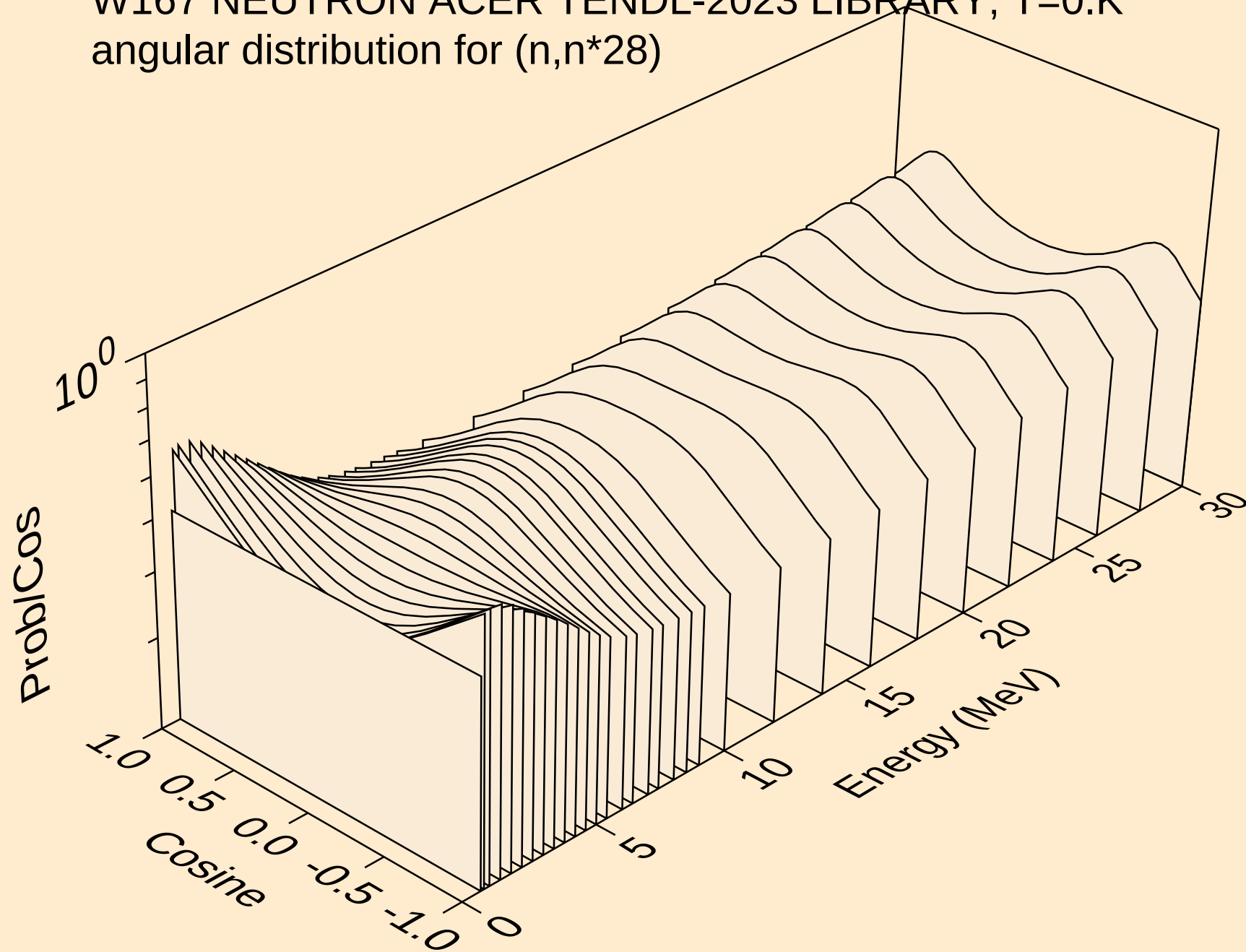
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
angular distribution for (n,n*26)



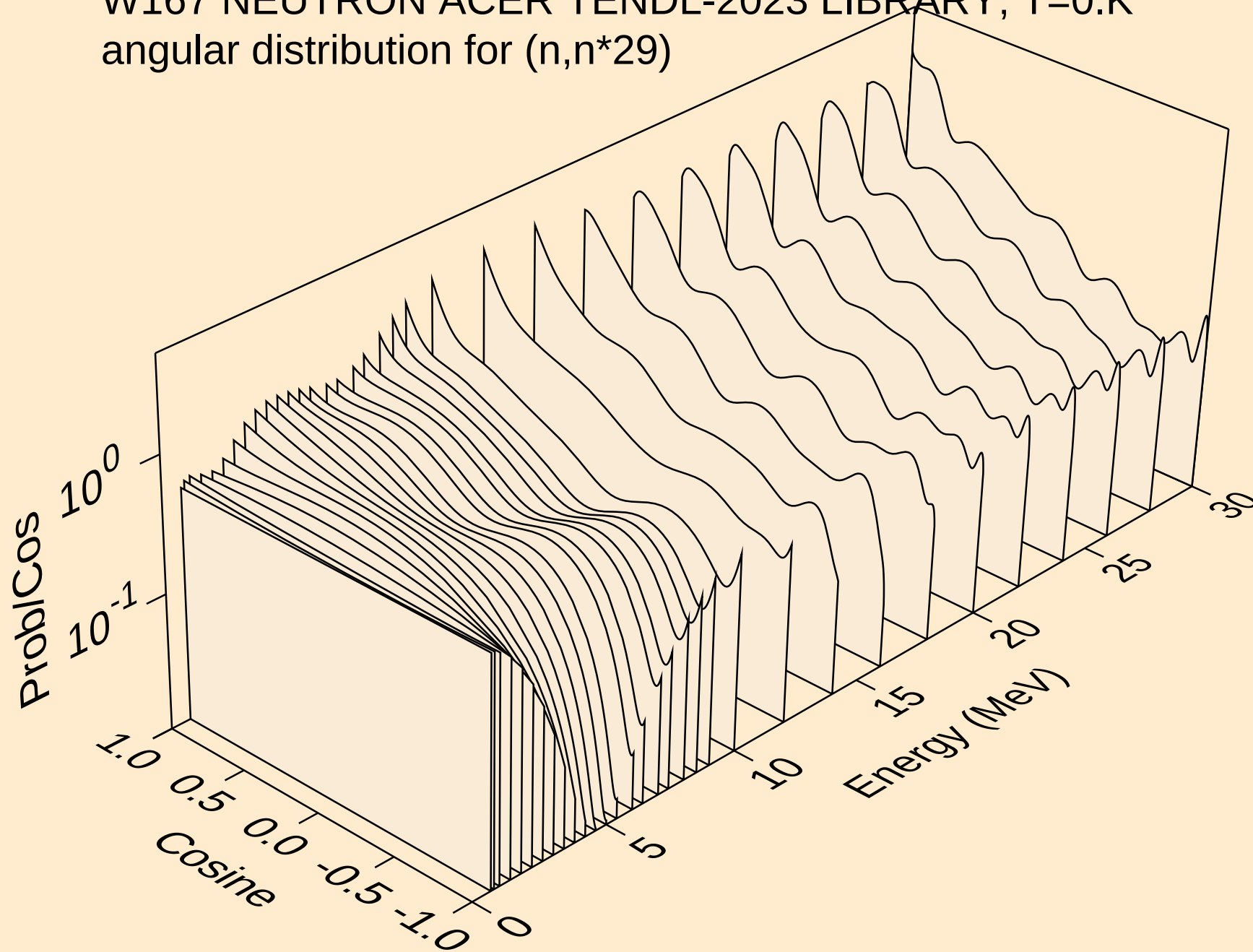
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*27)



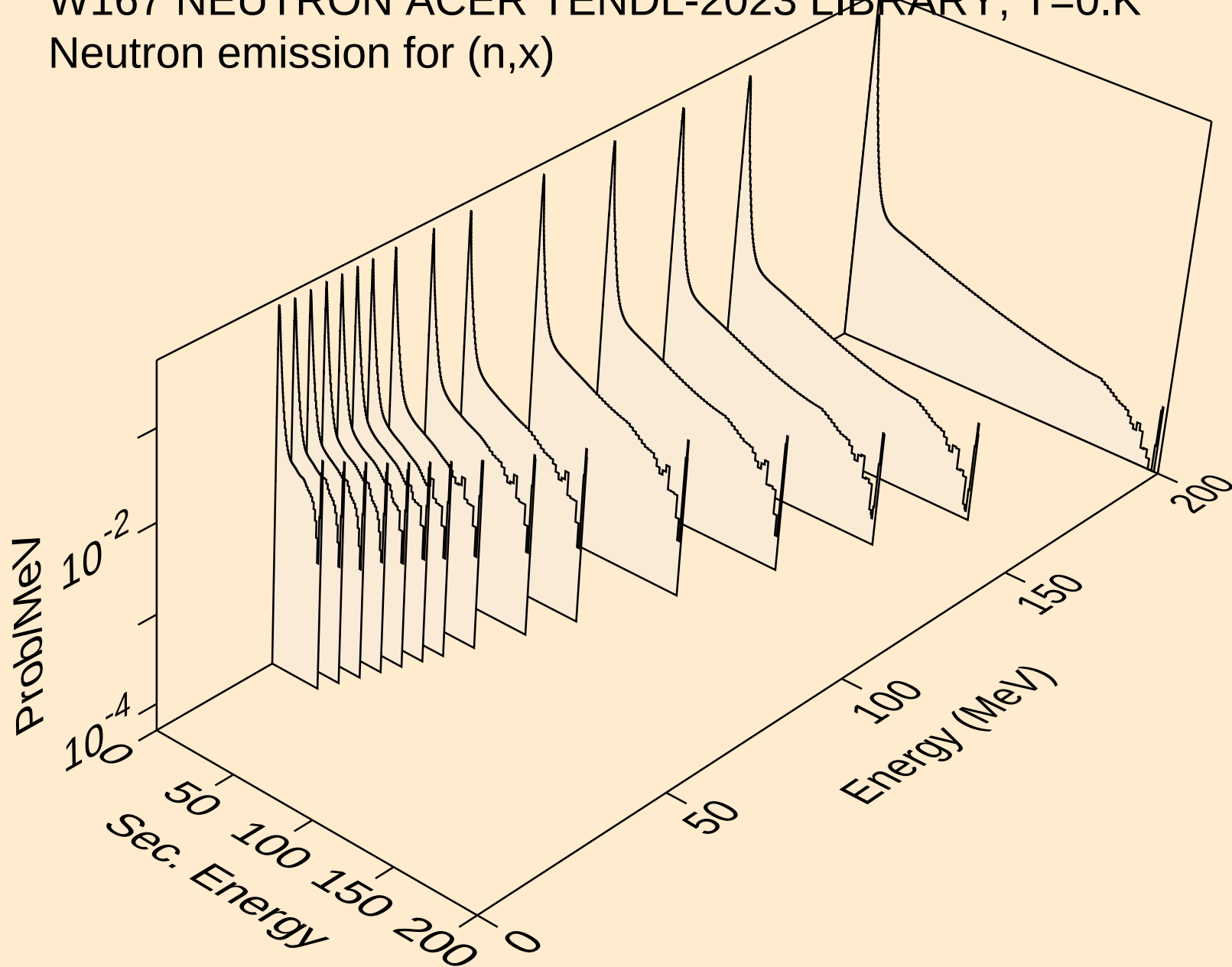
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*28)



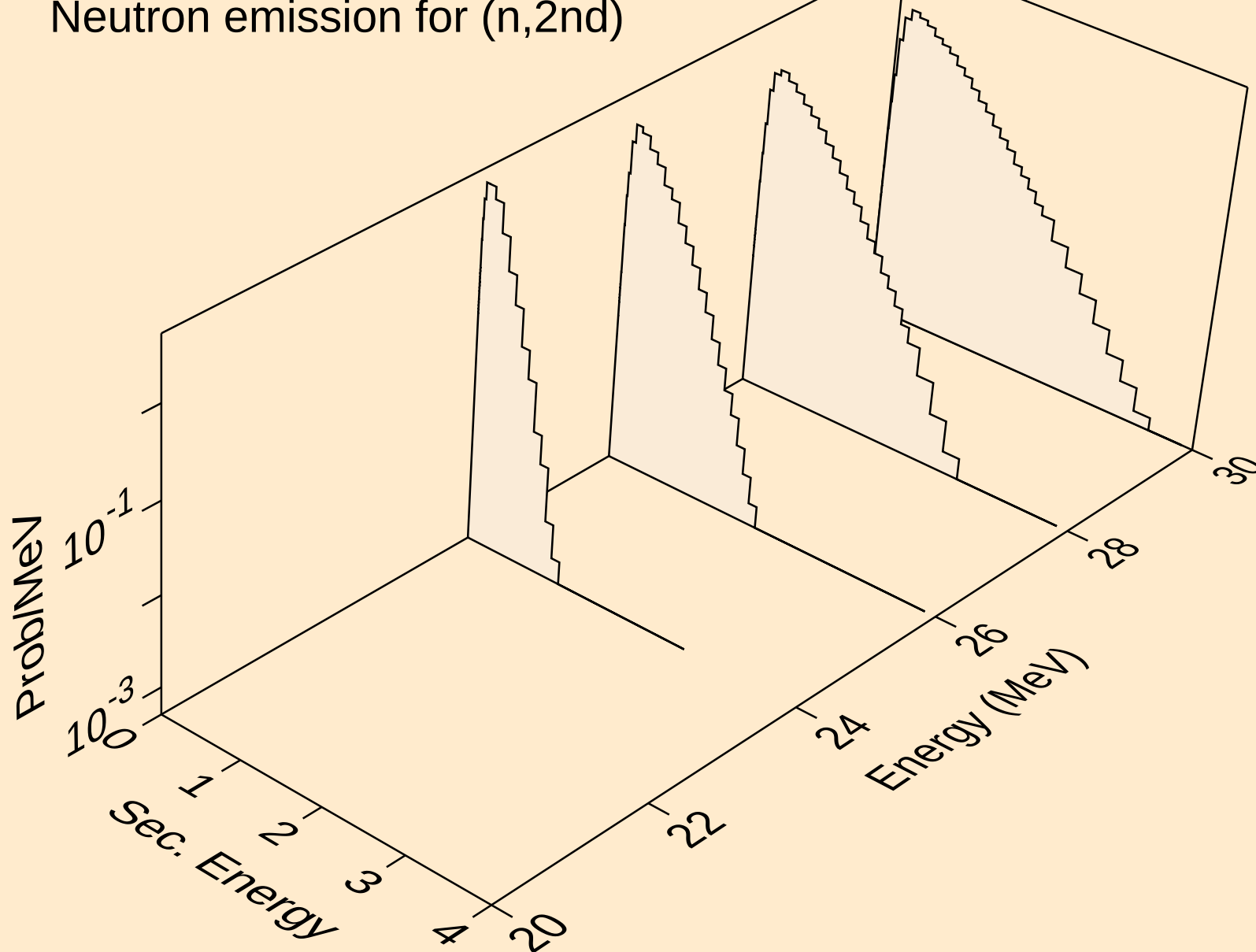
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*29)



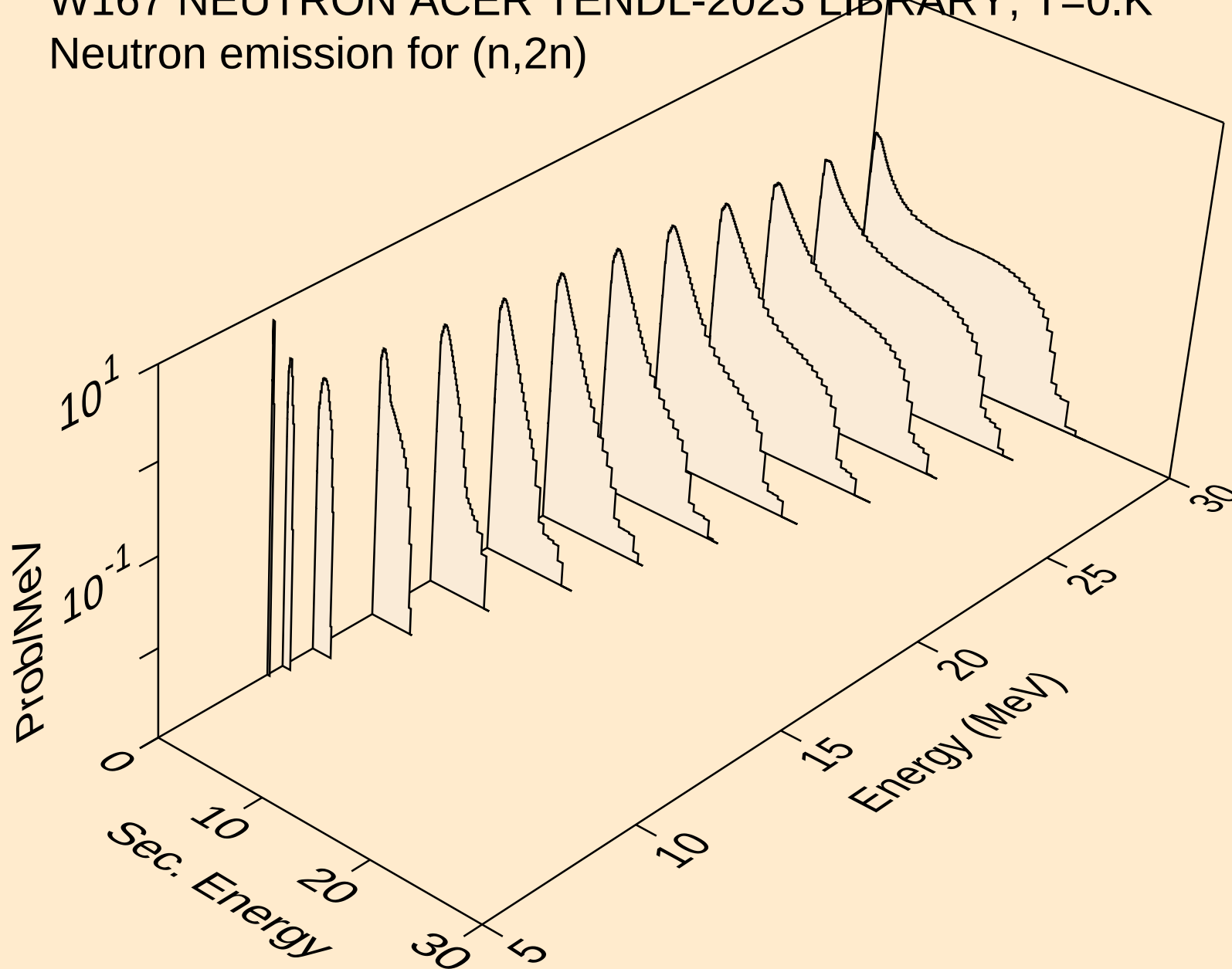
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



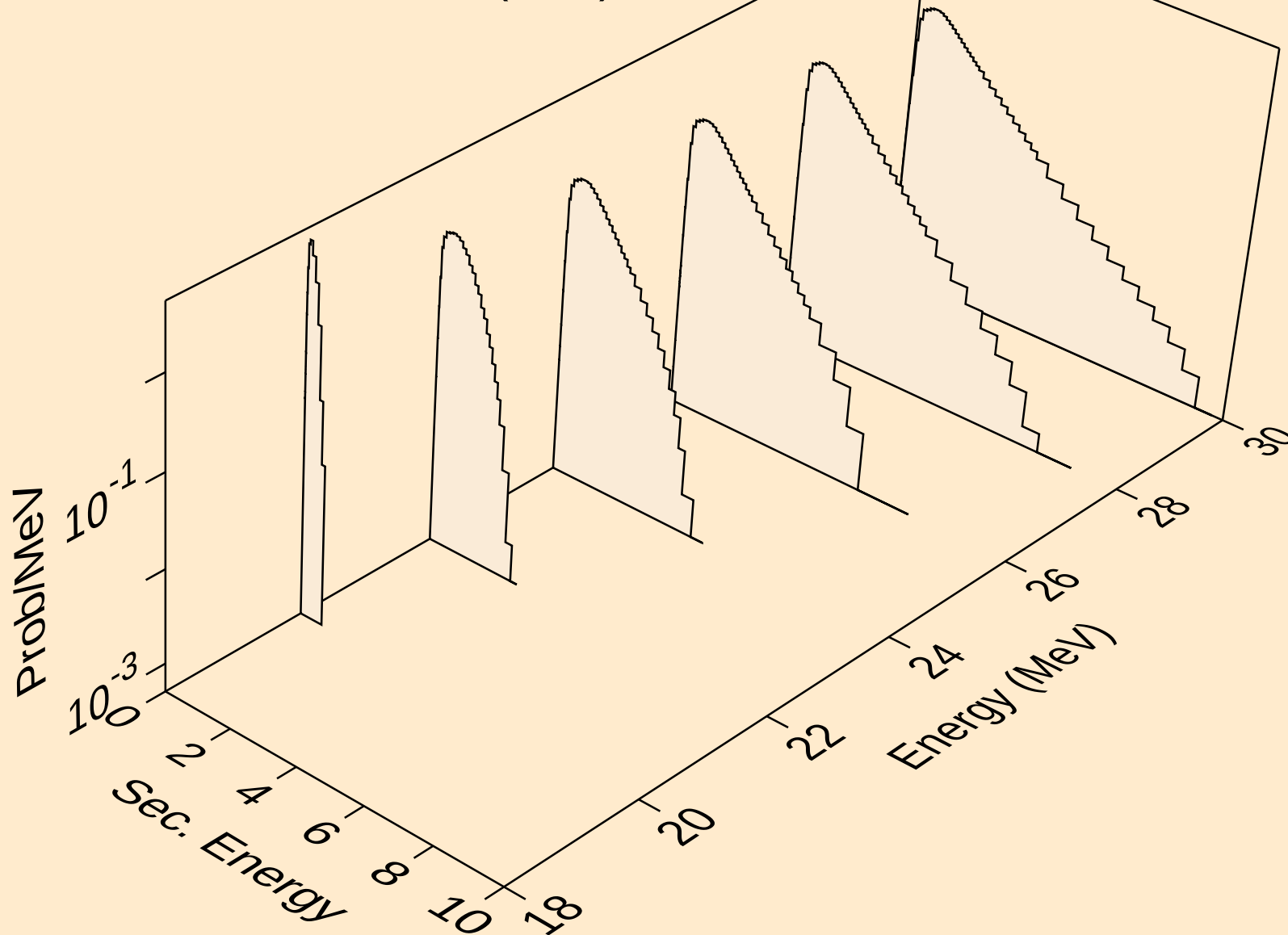
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



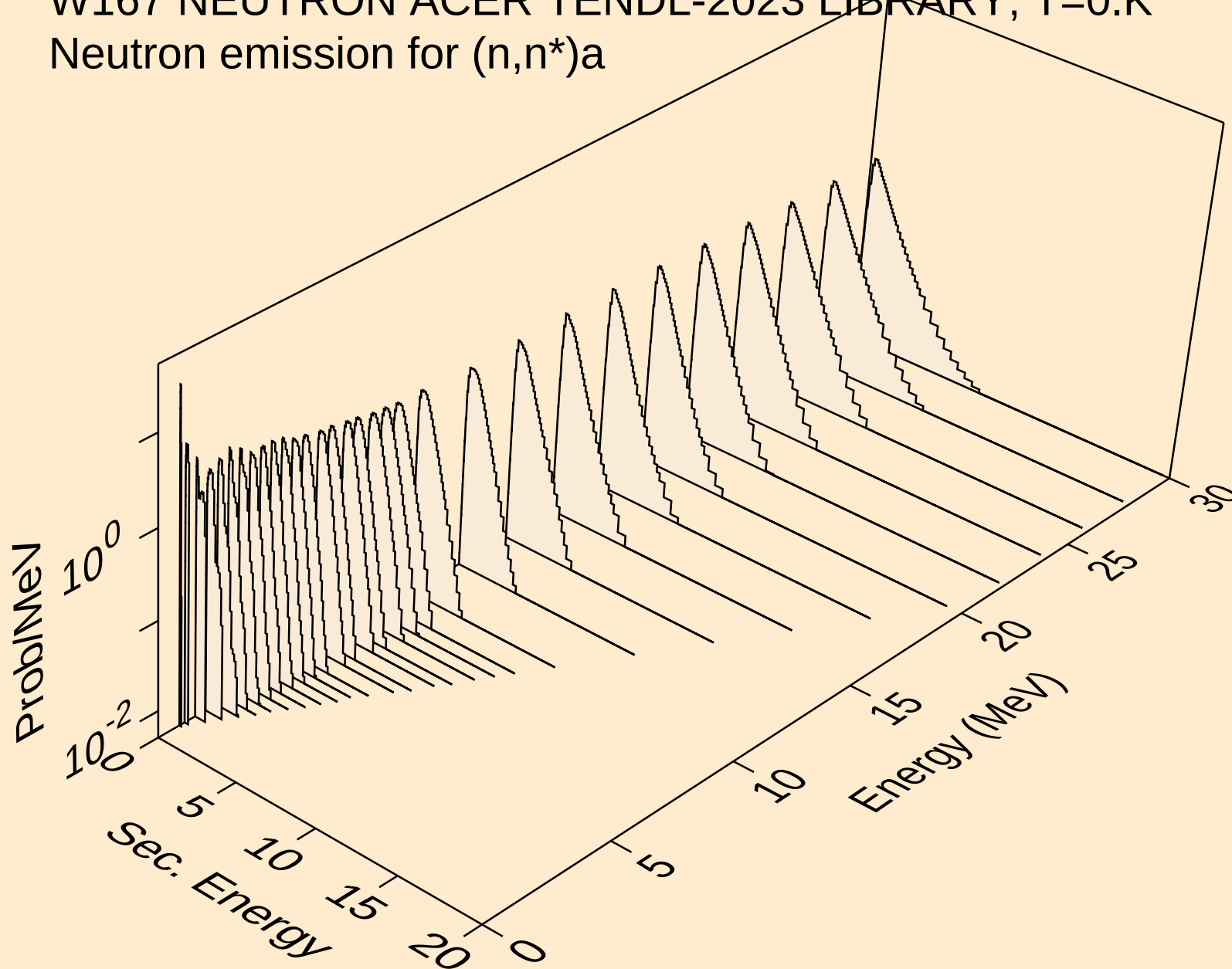
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



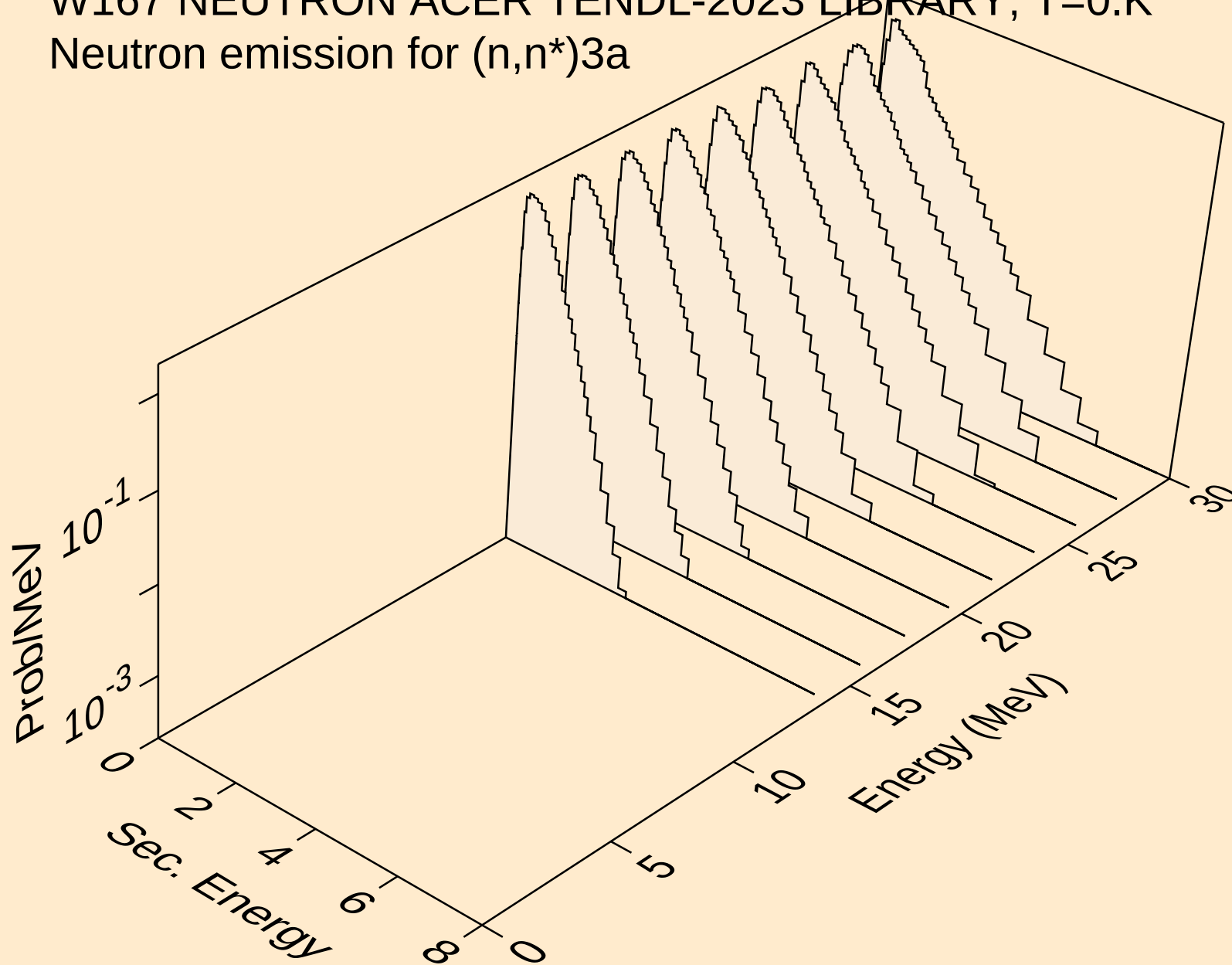
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



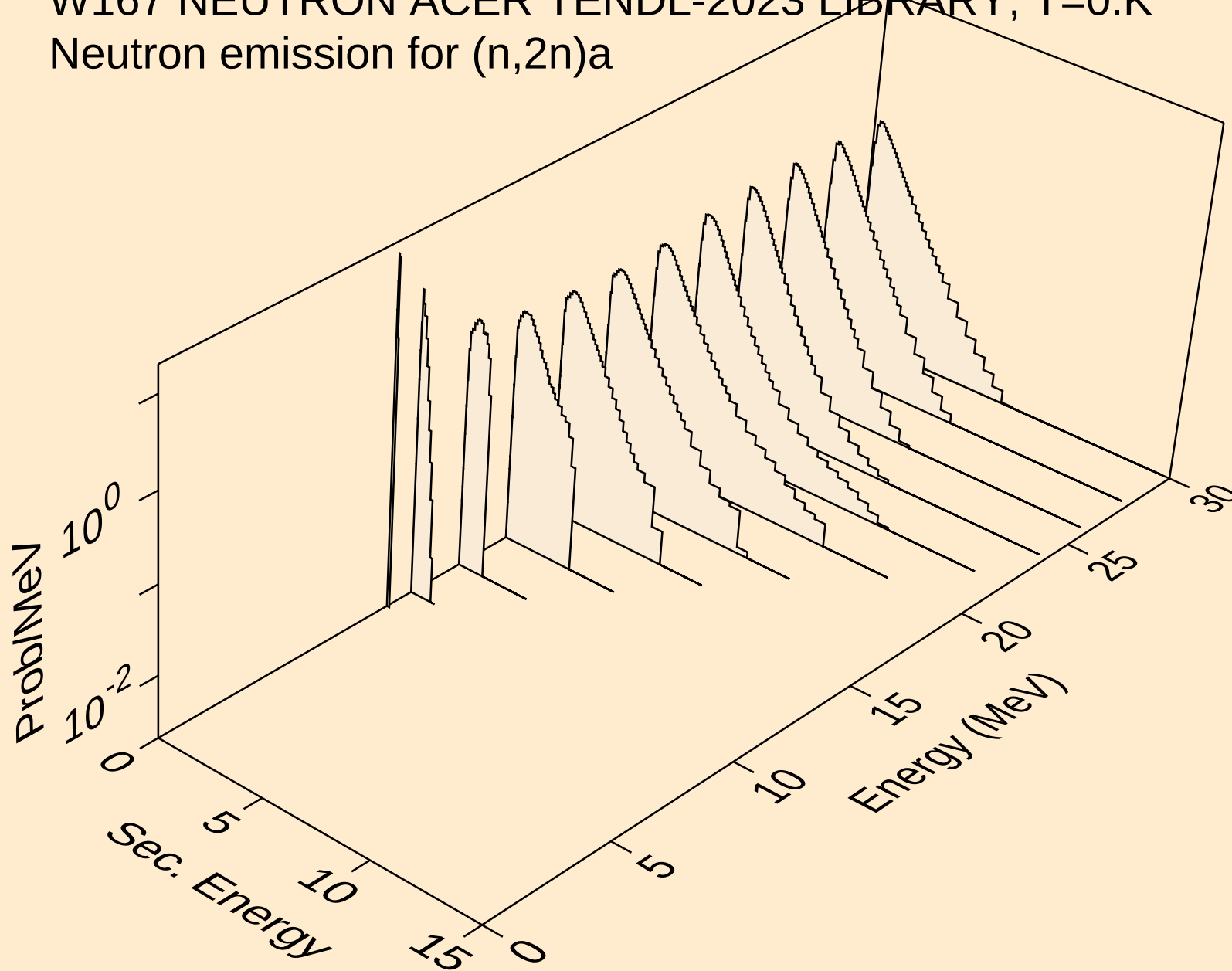
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



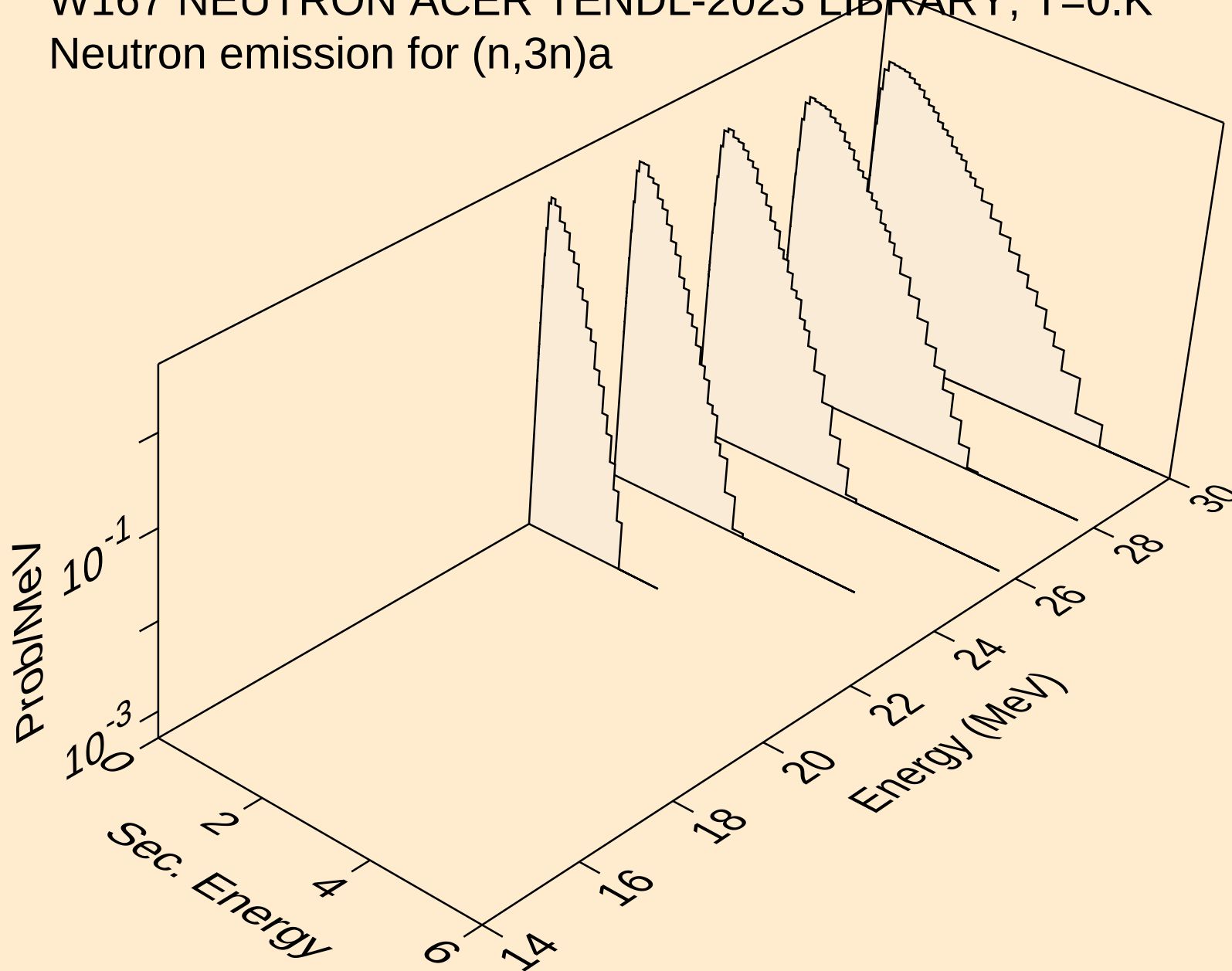
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)³a



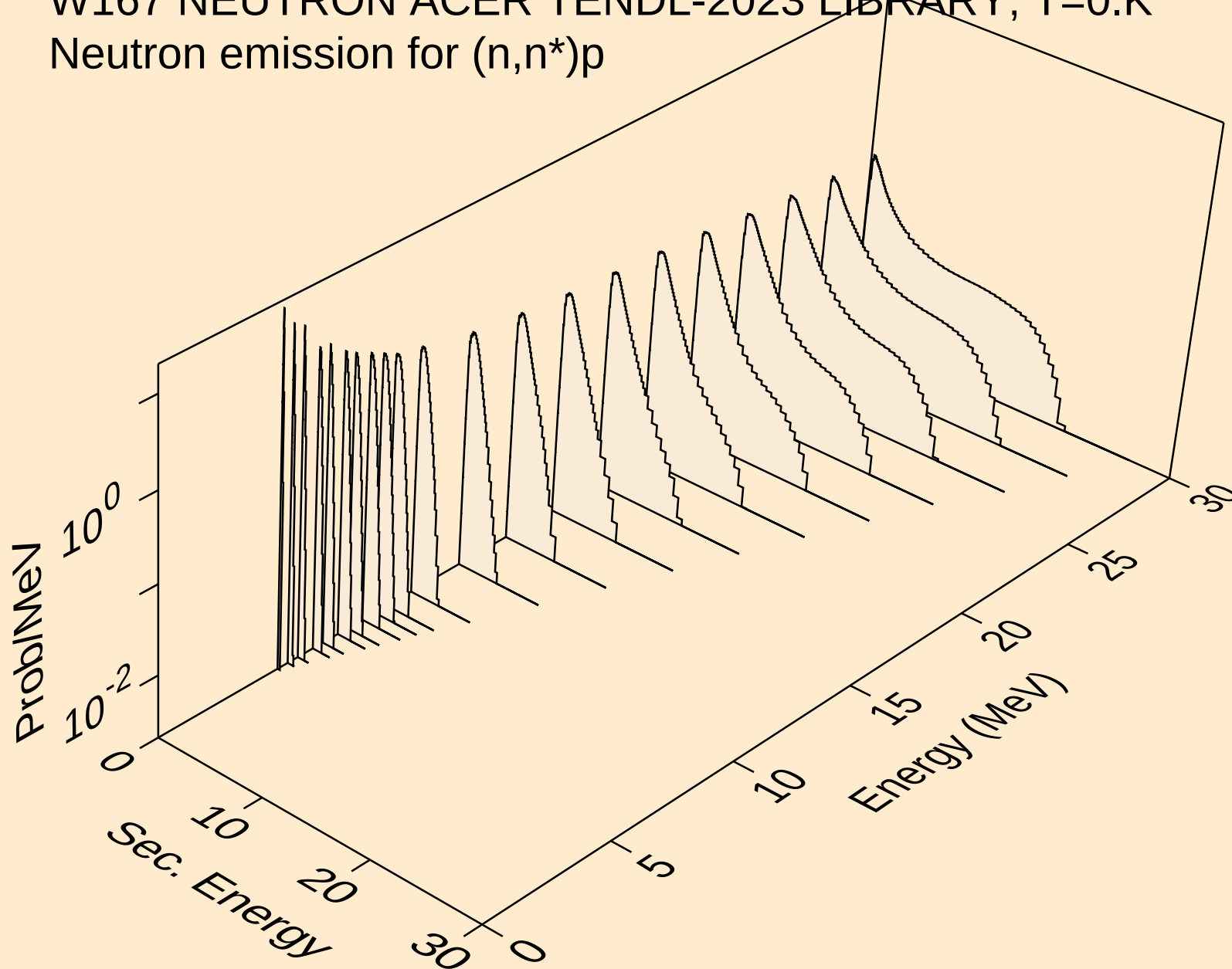
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



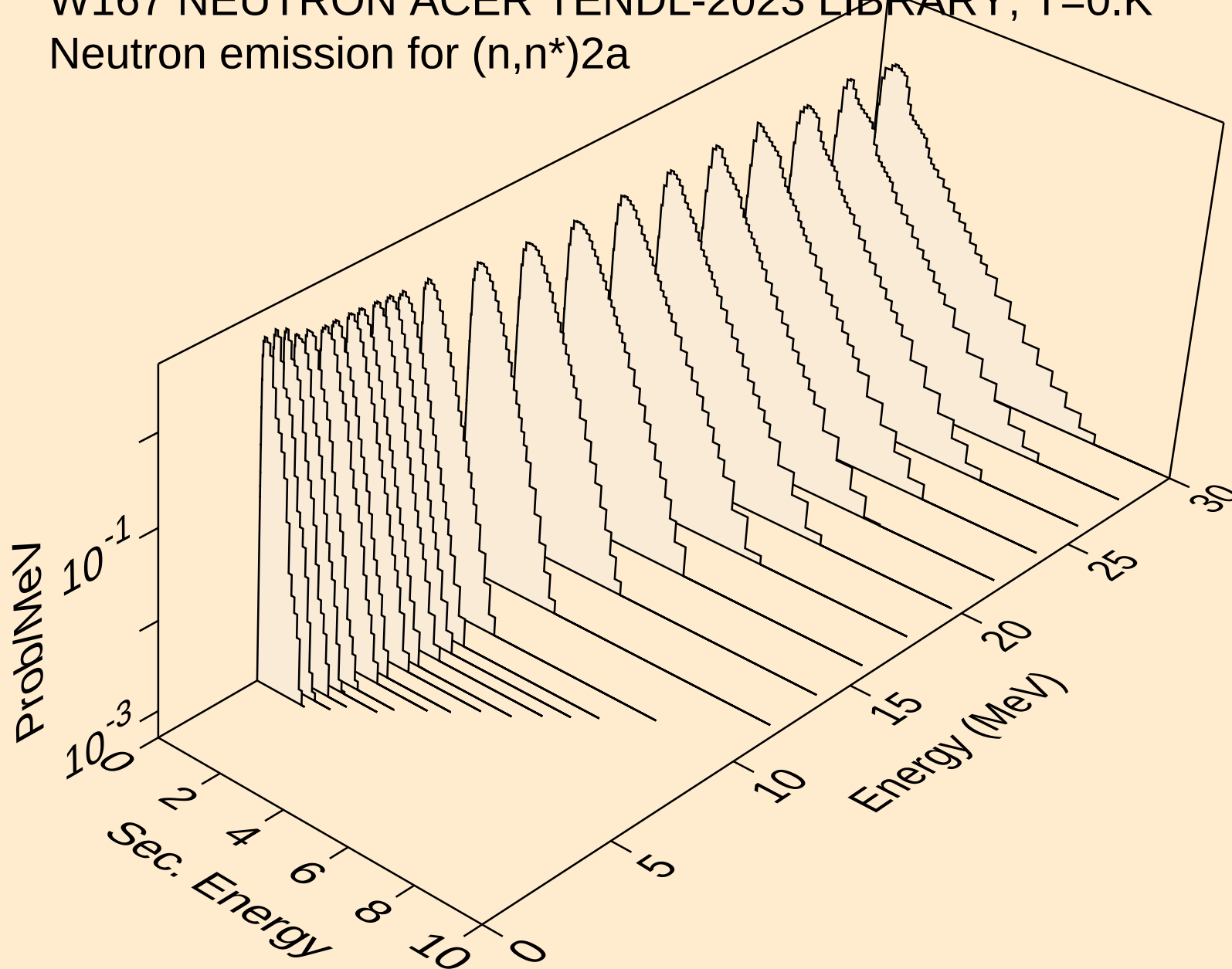
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



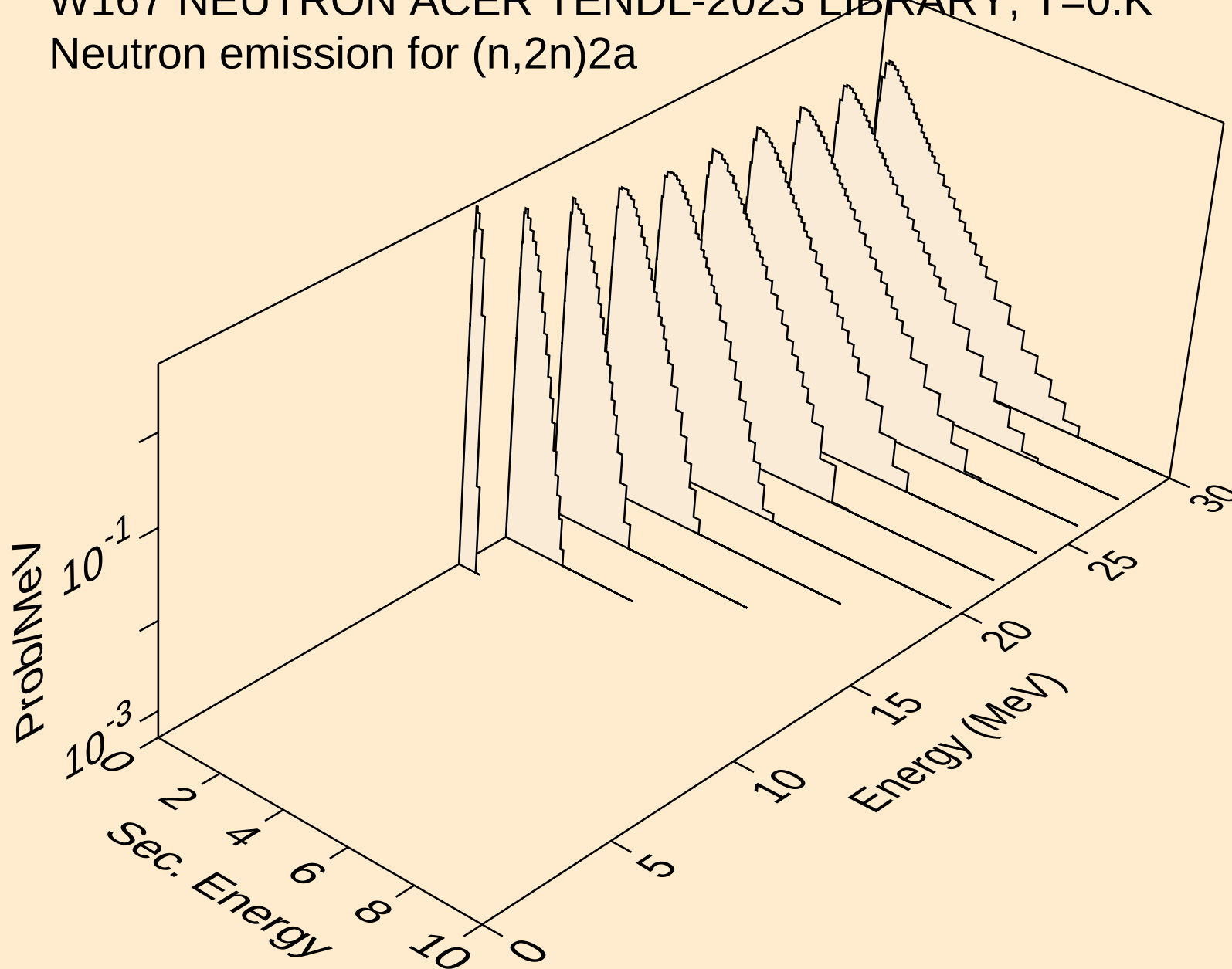
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



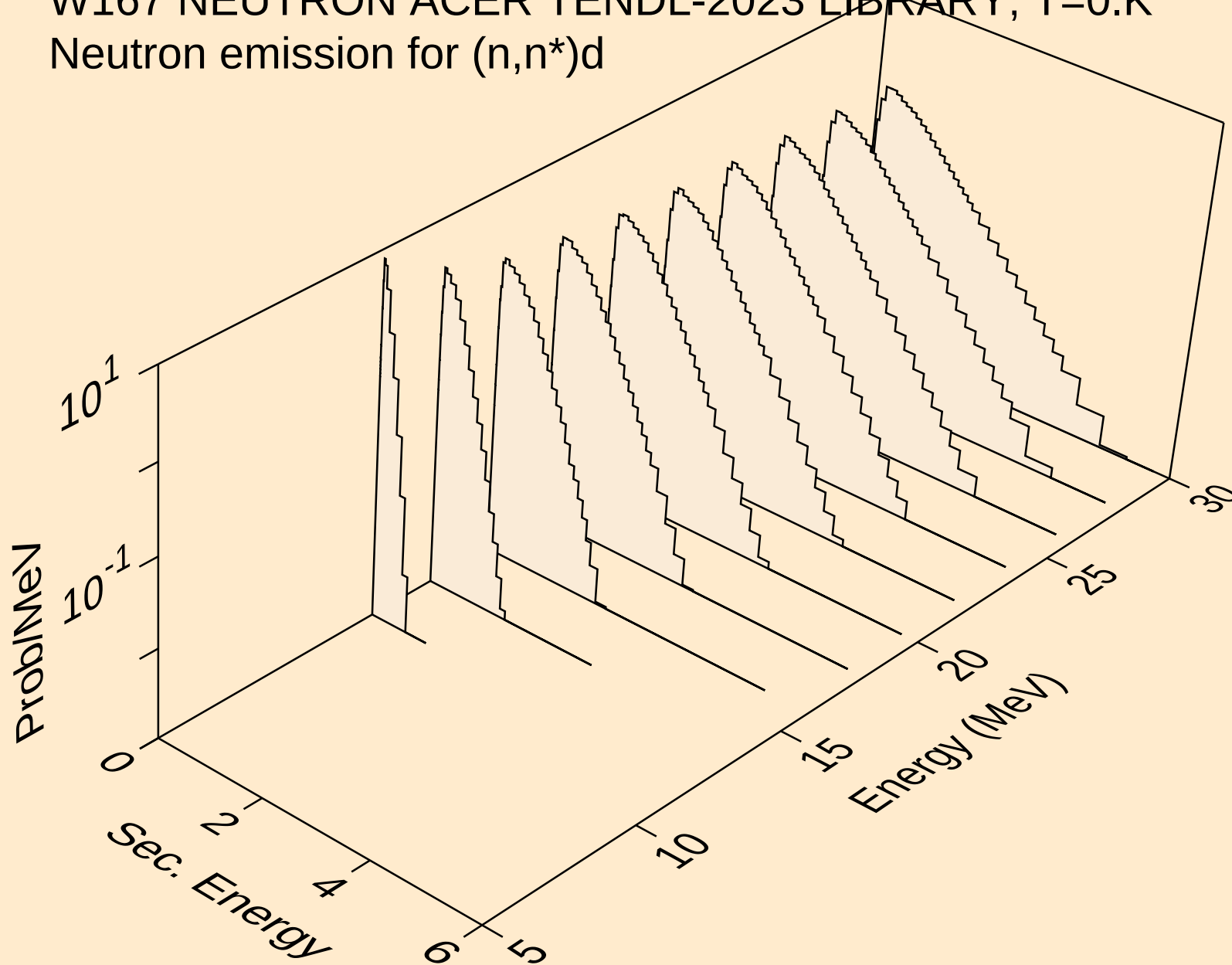
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



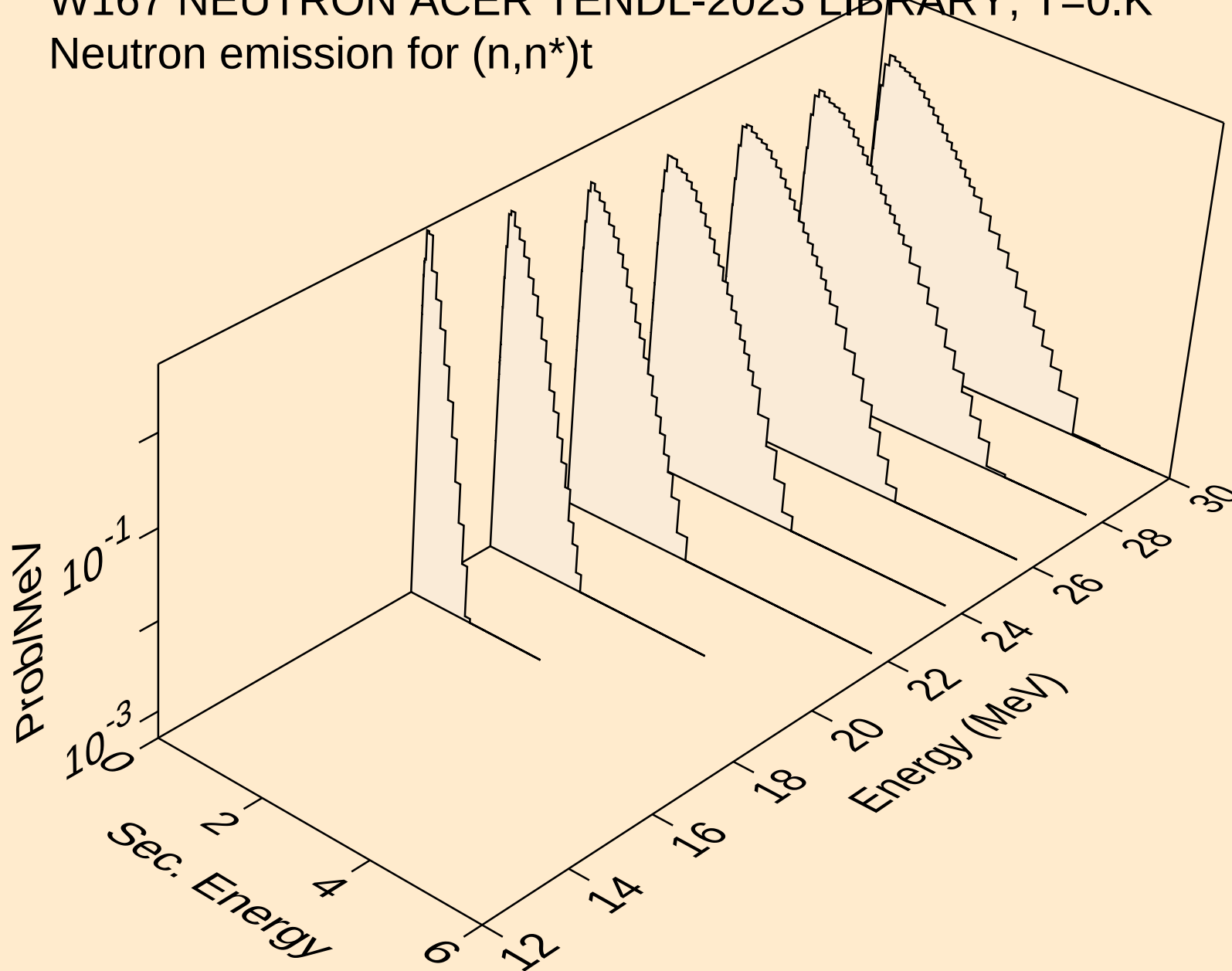
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)2a



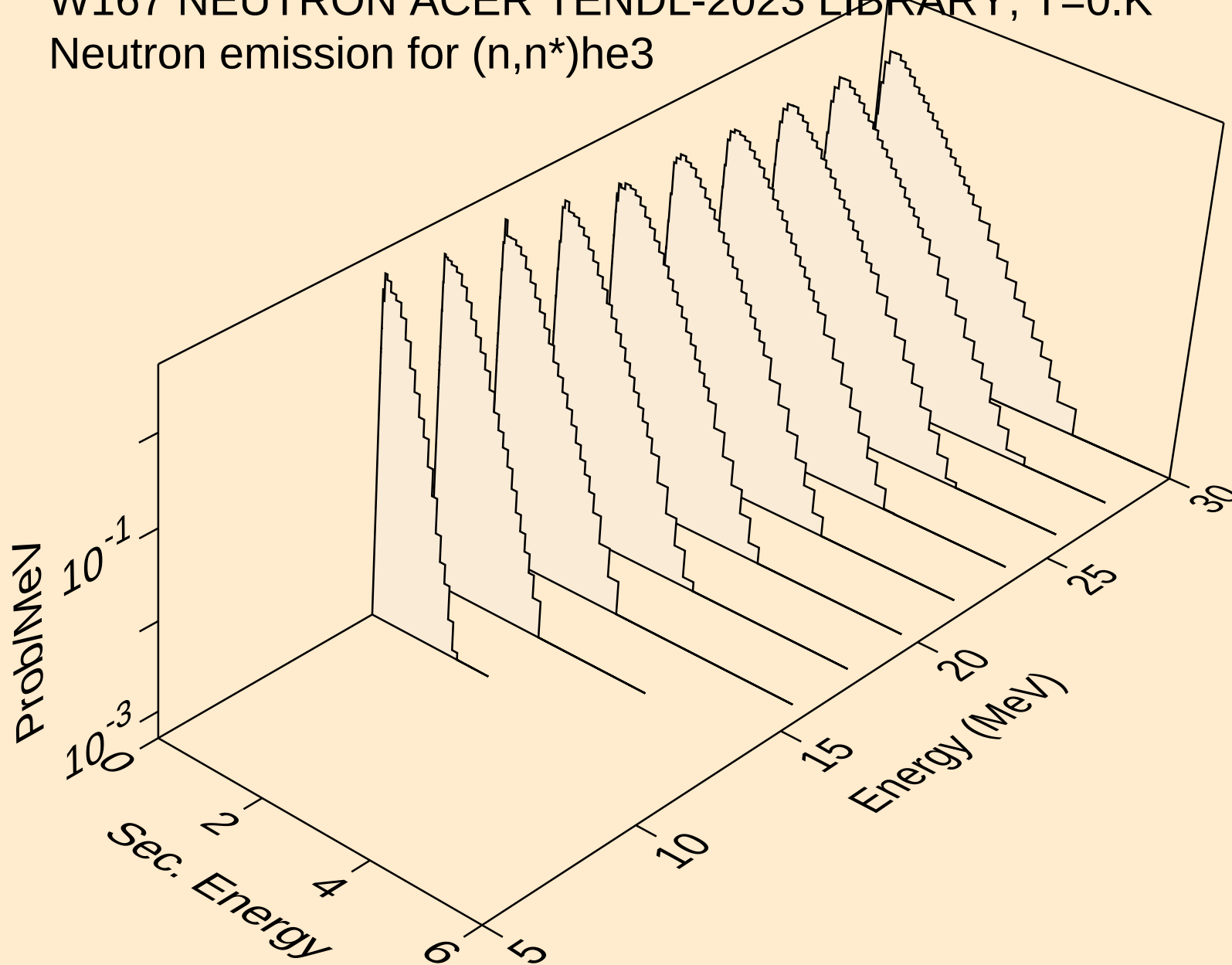
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



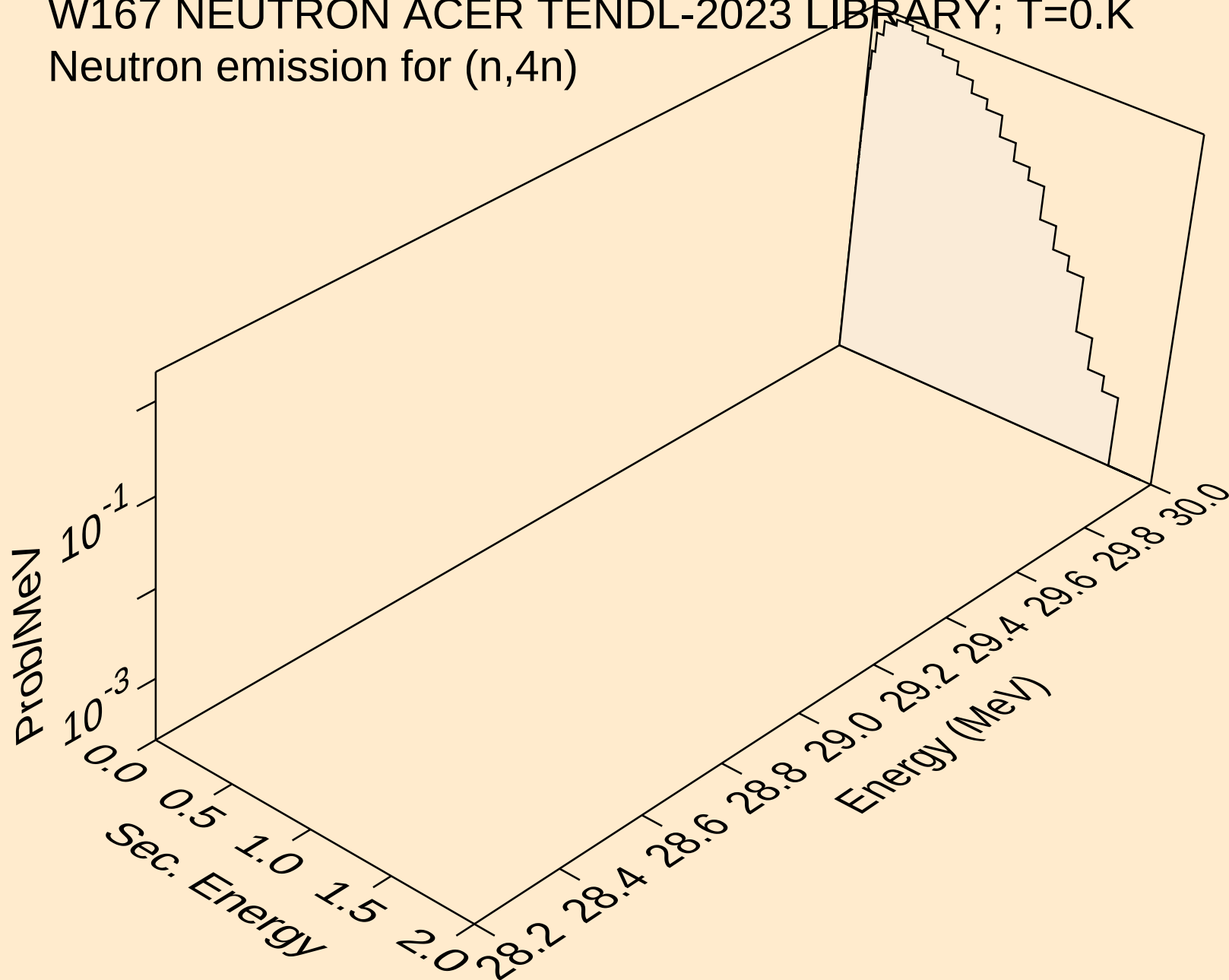
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



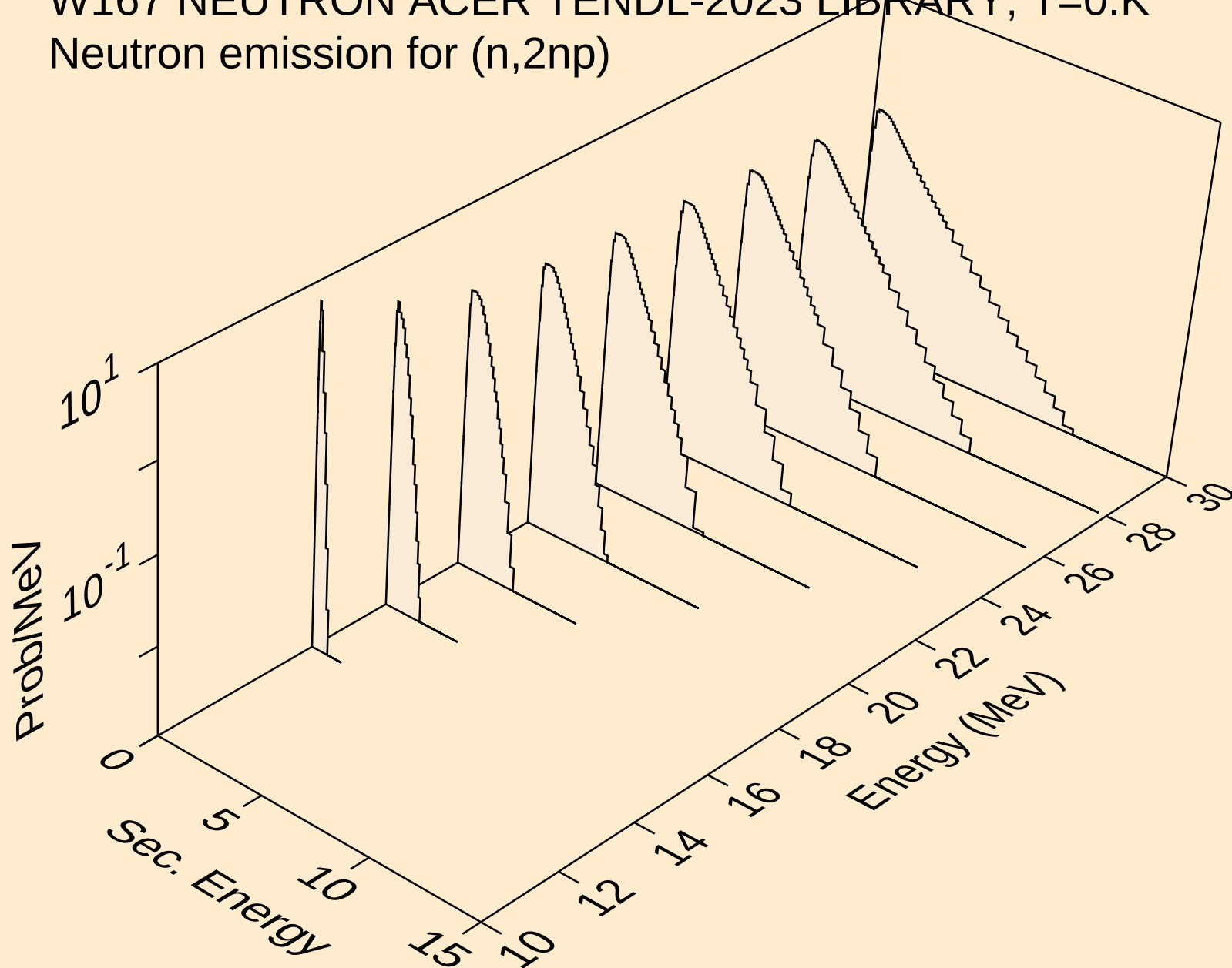
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



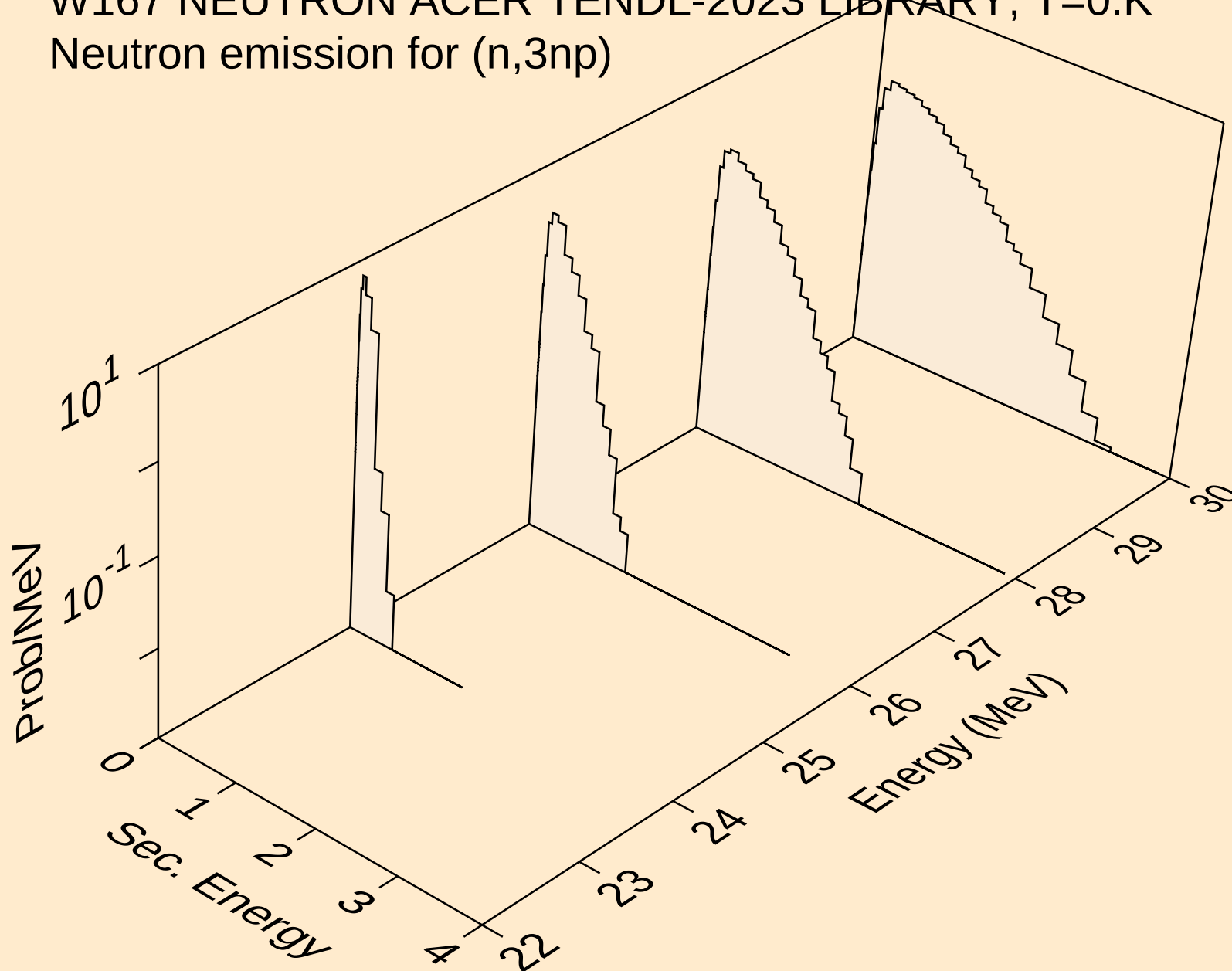
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



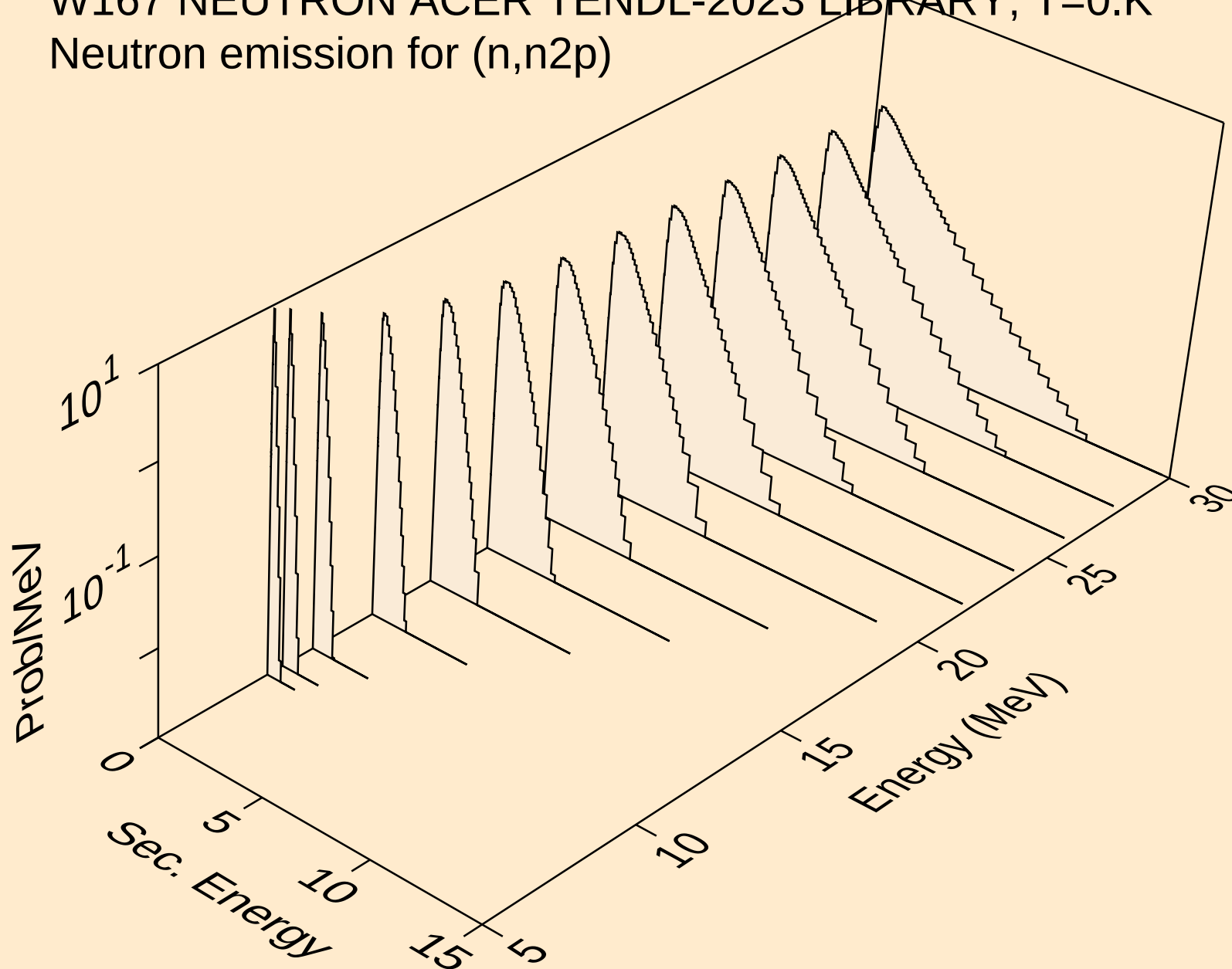
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



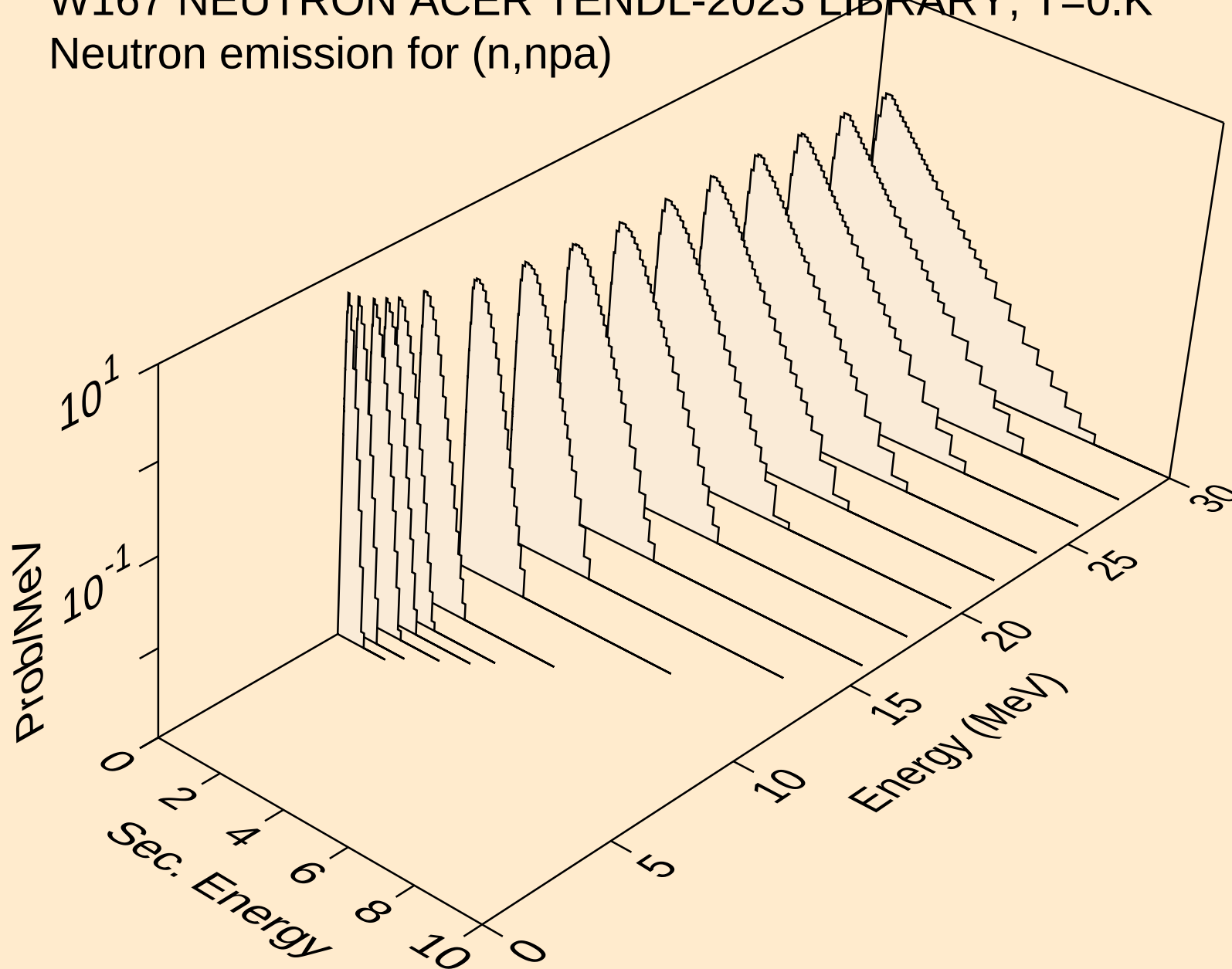
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



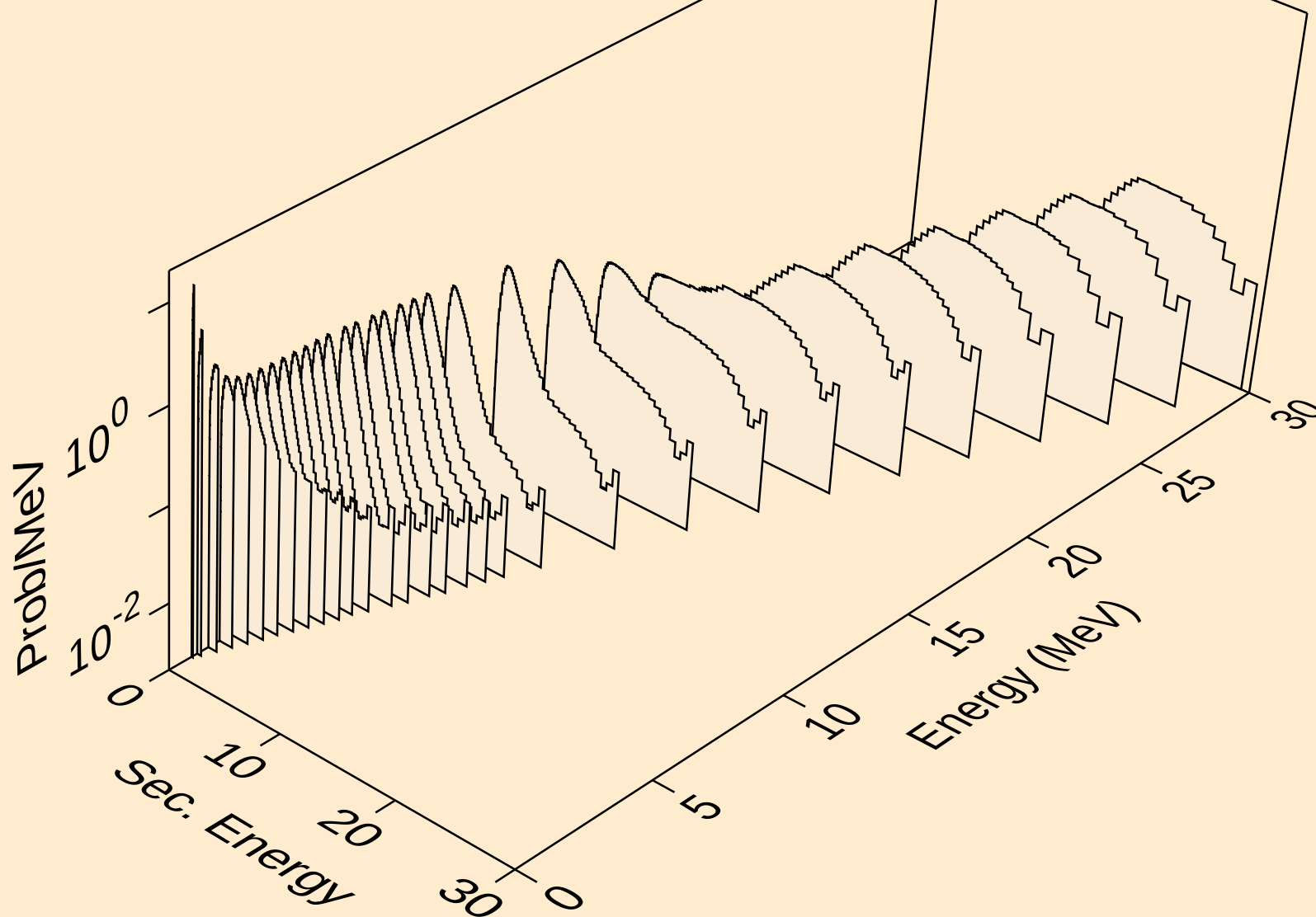
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



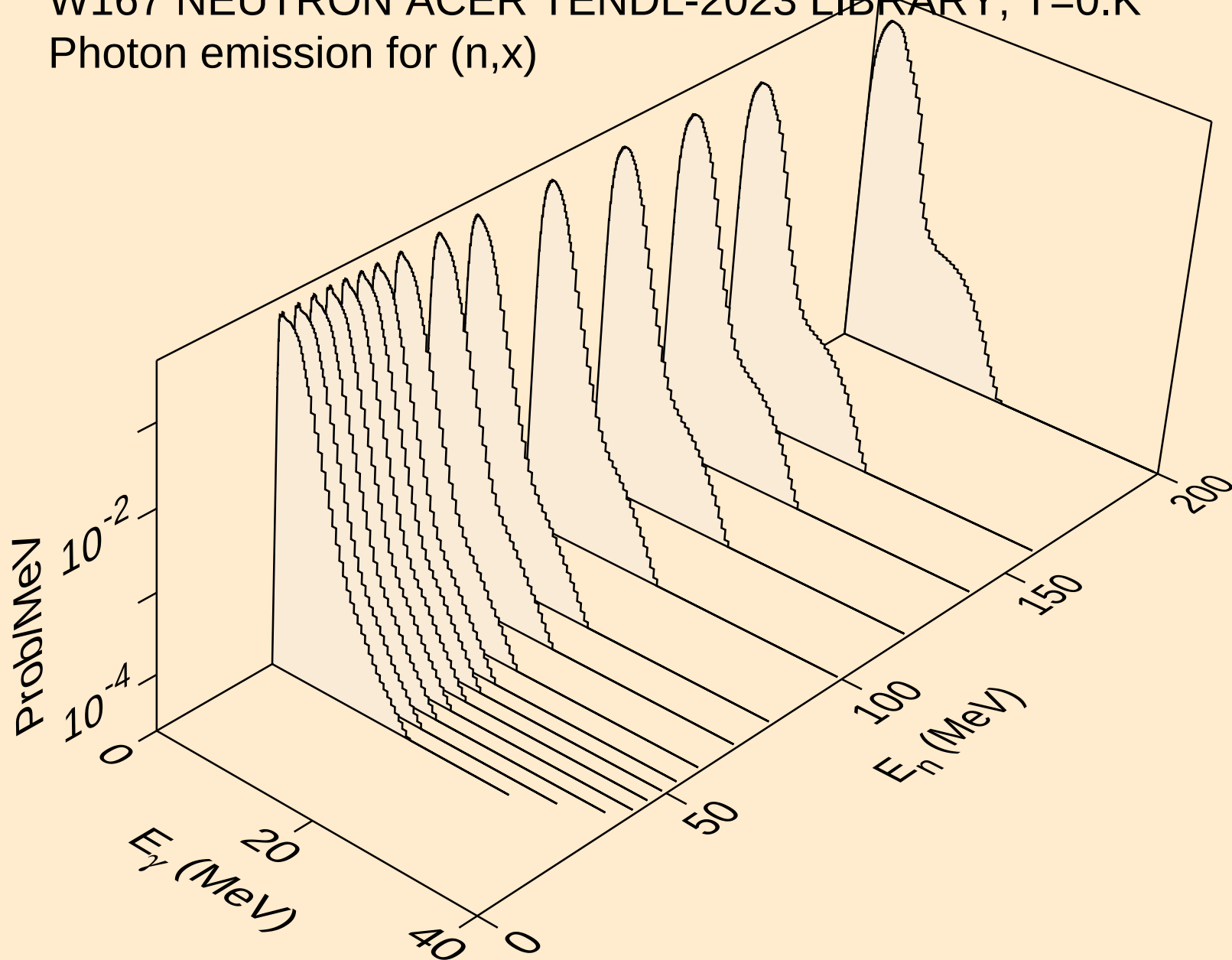
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)



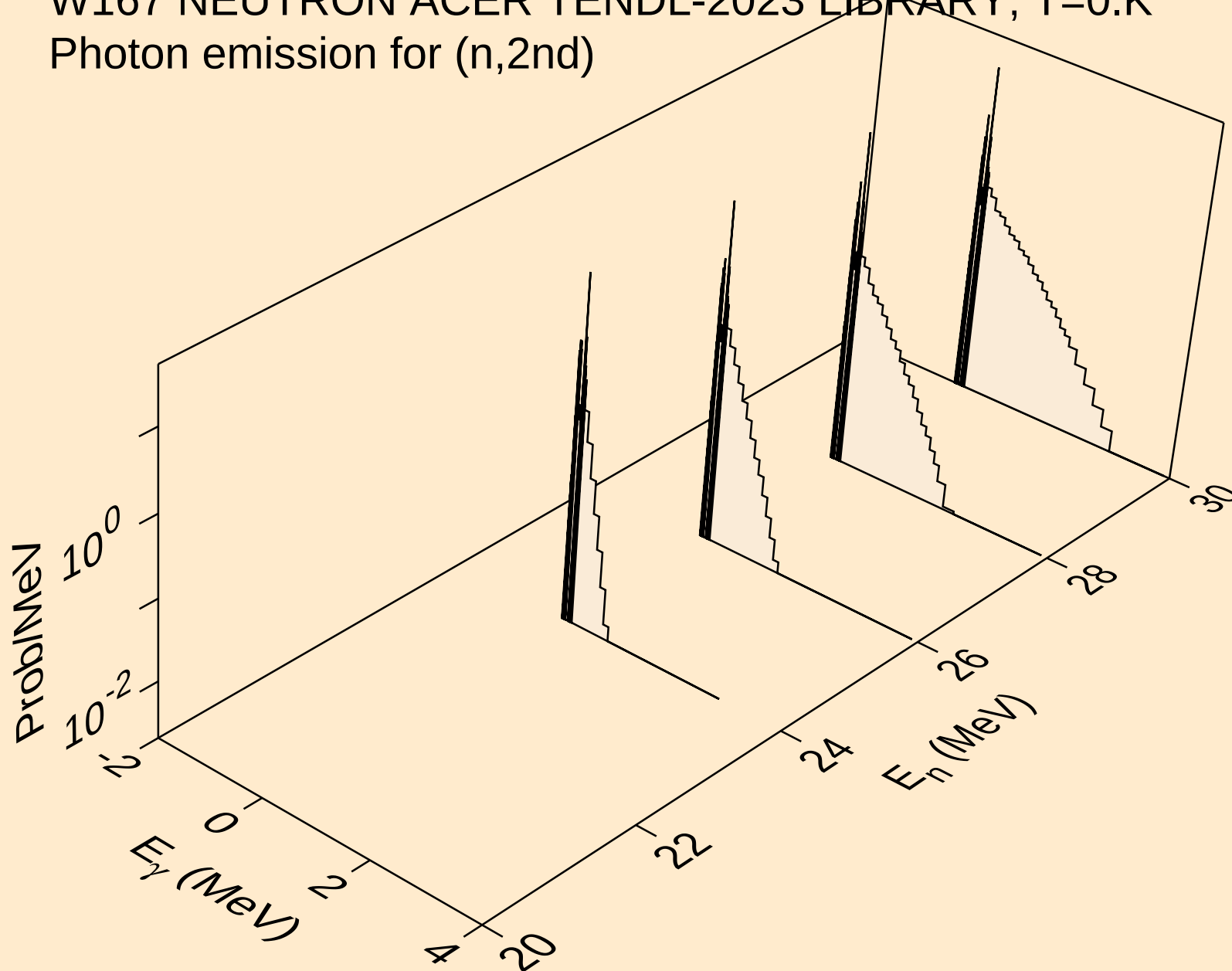
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



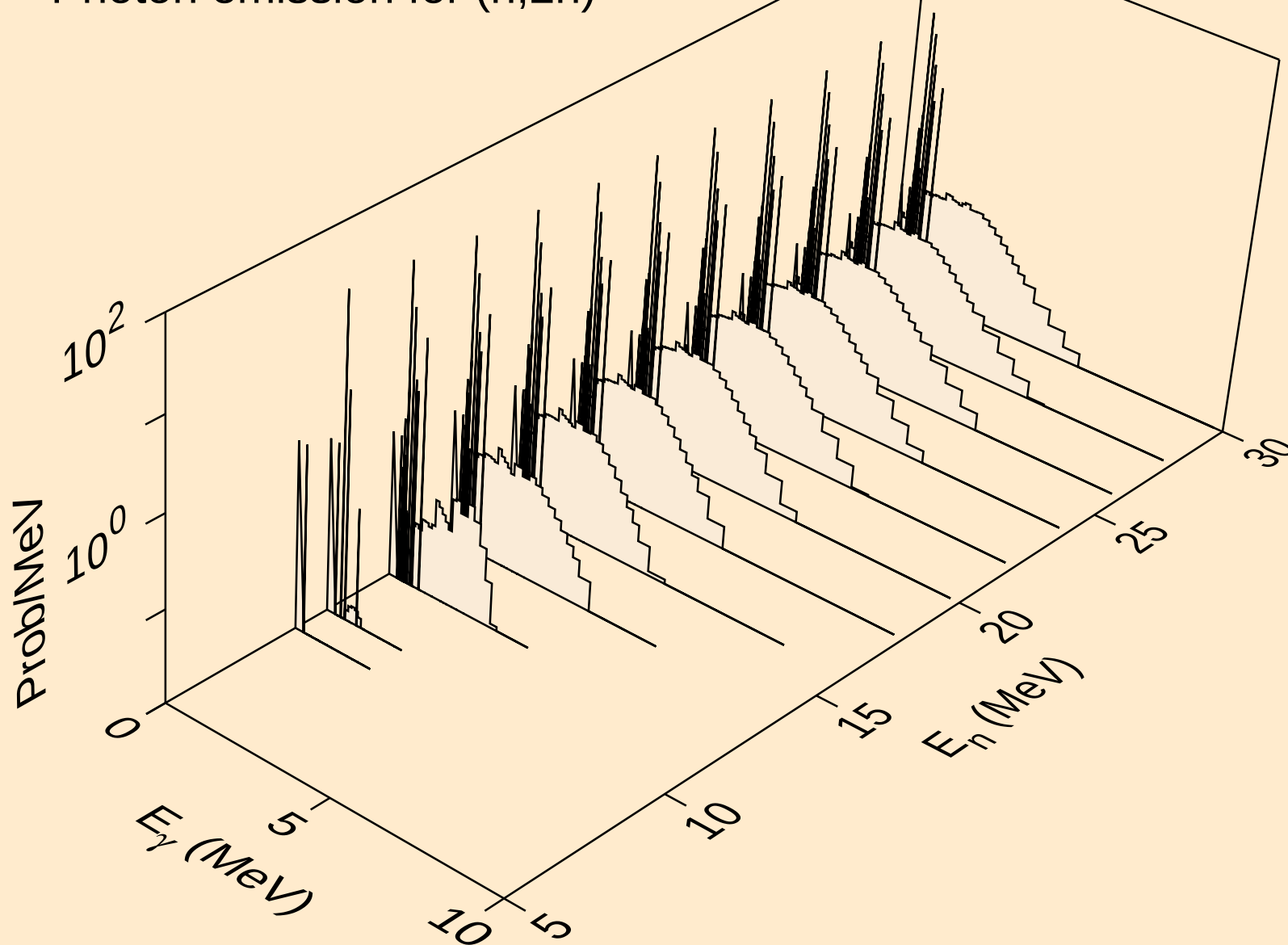
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



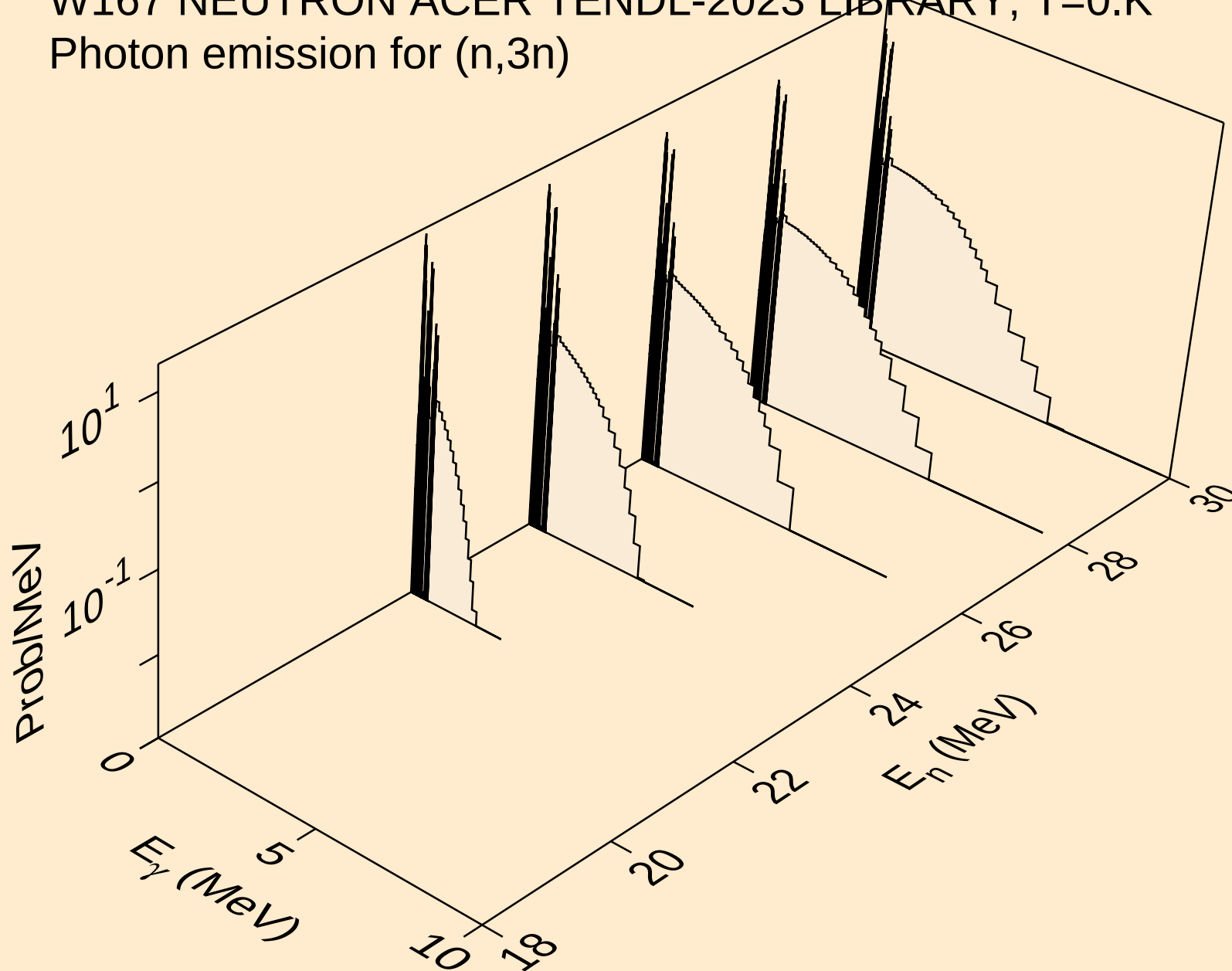
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



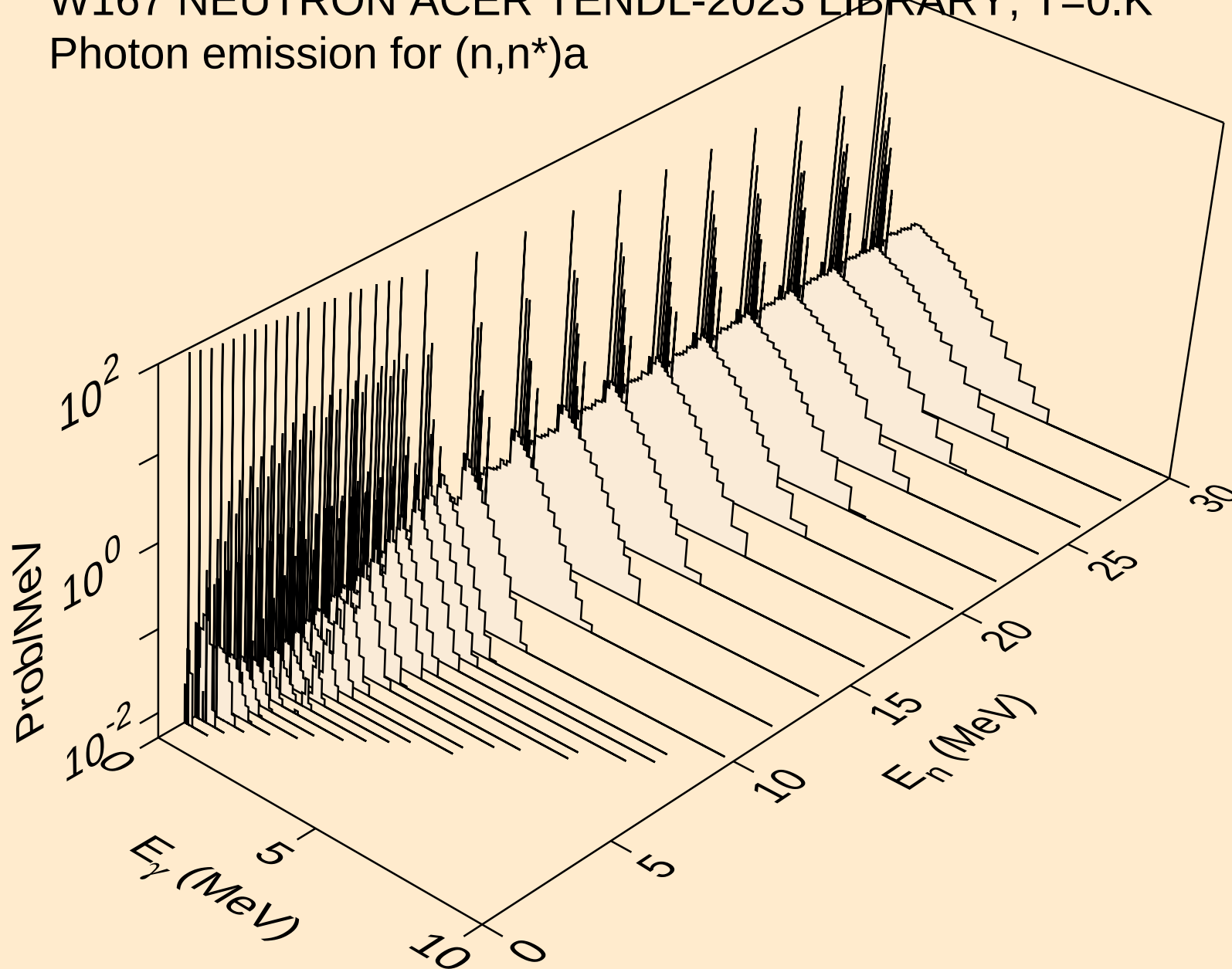
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2n)



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

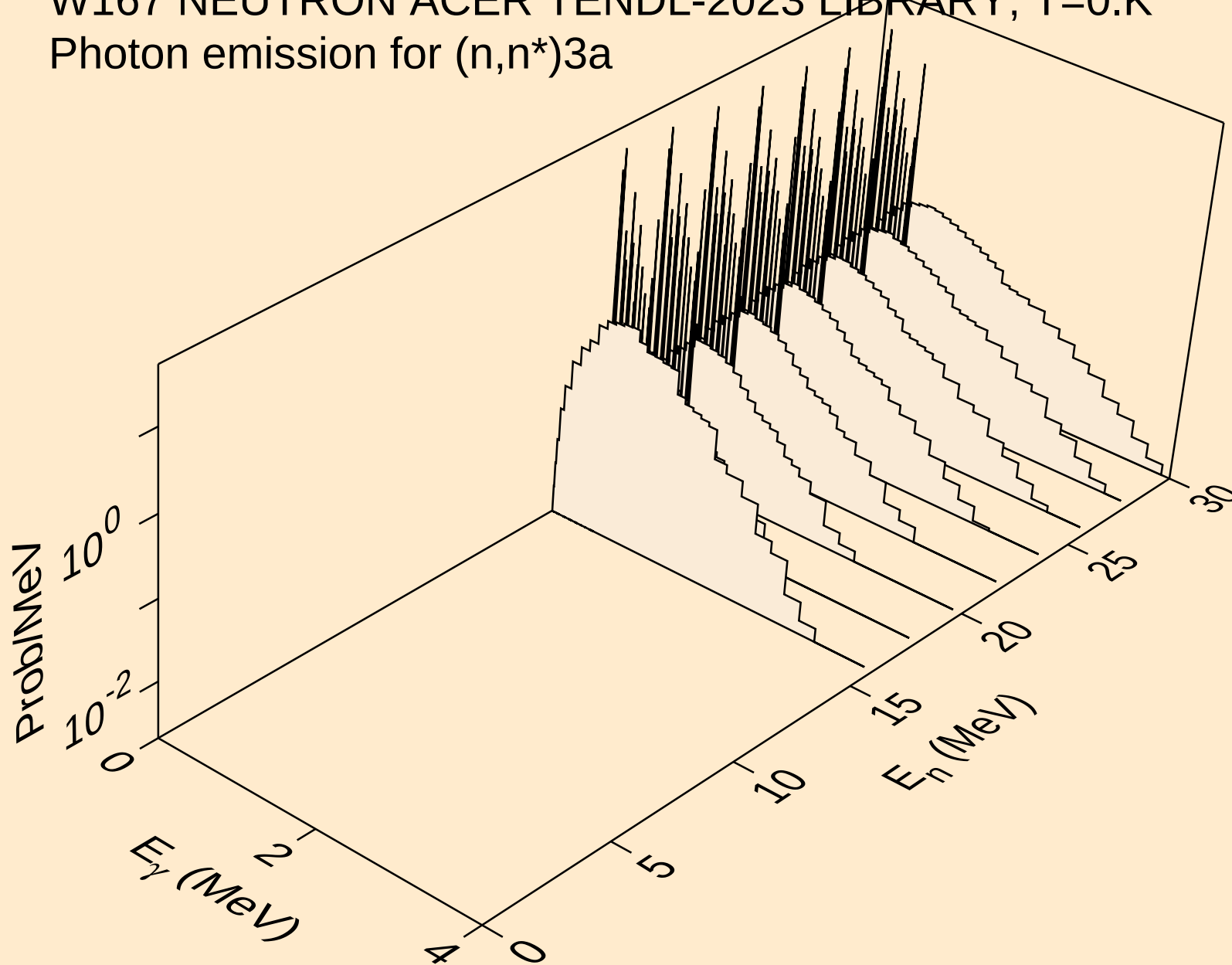


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a

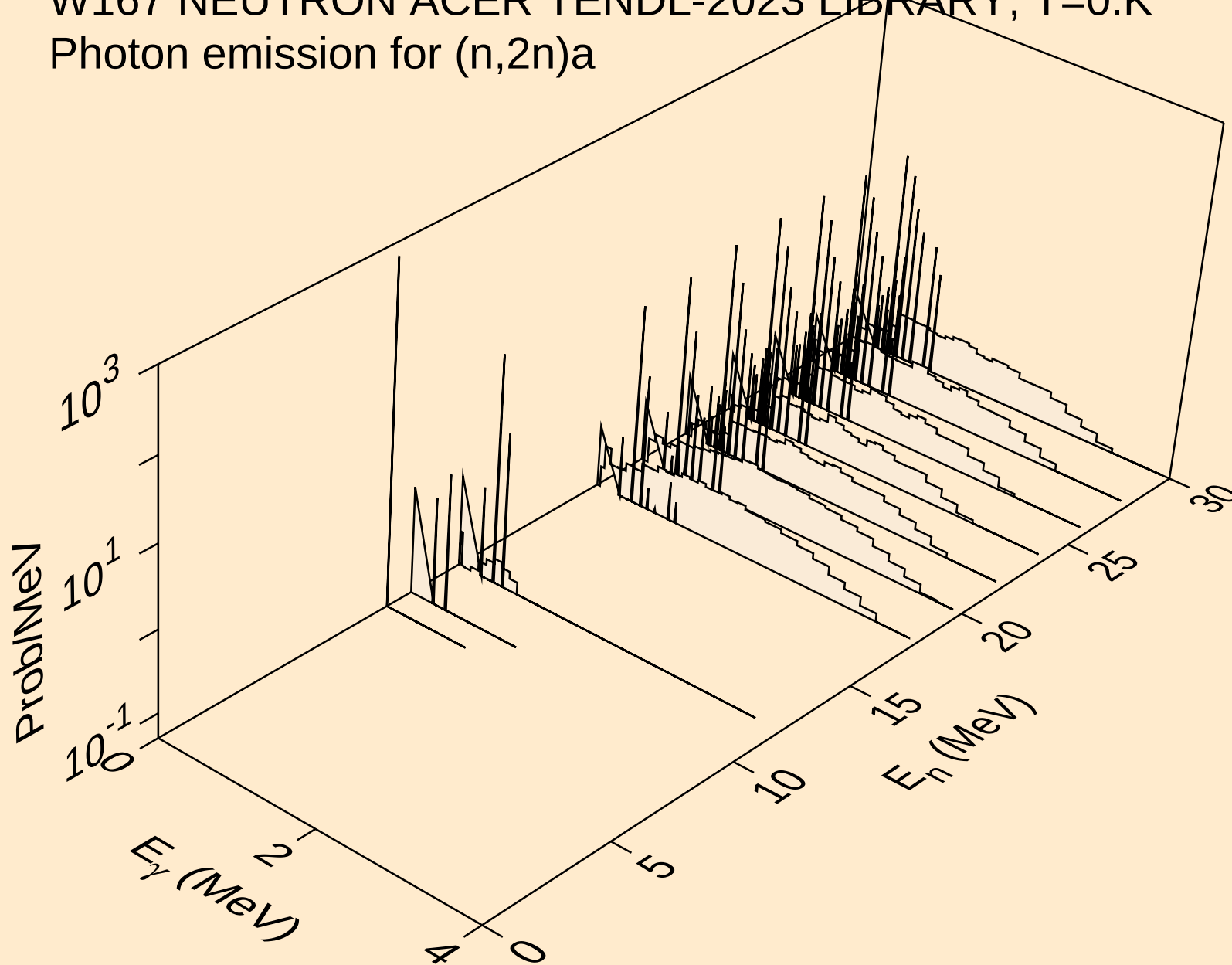


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)³a

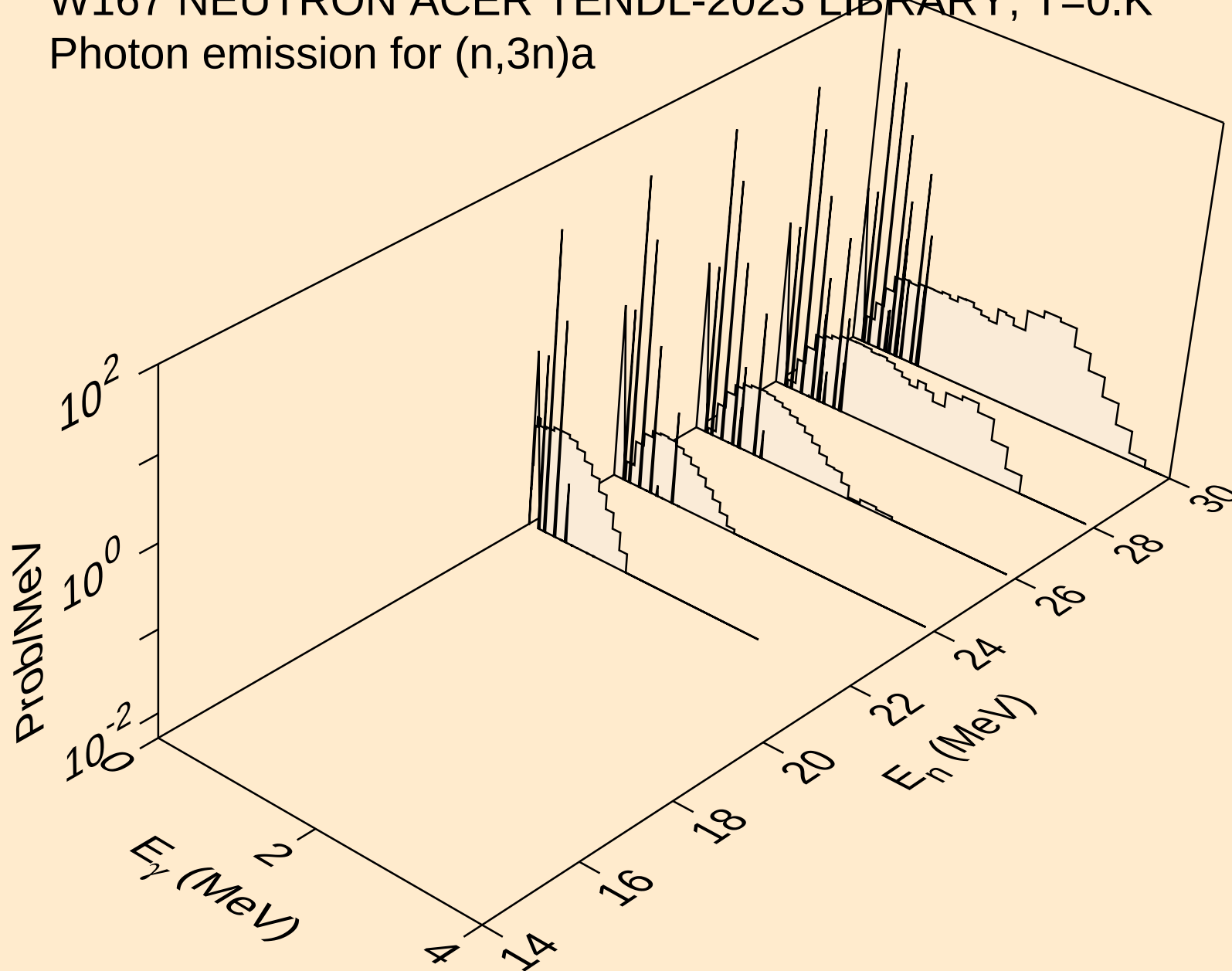


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n) α

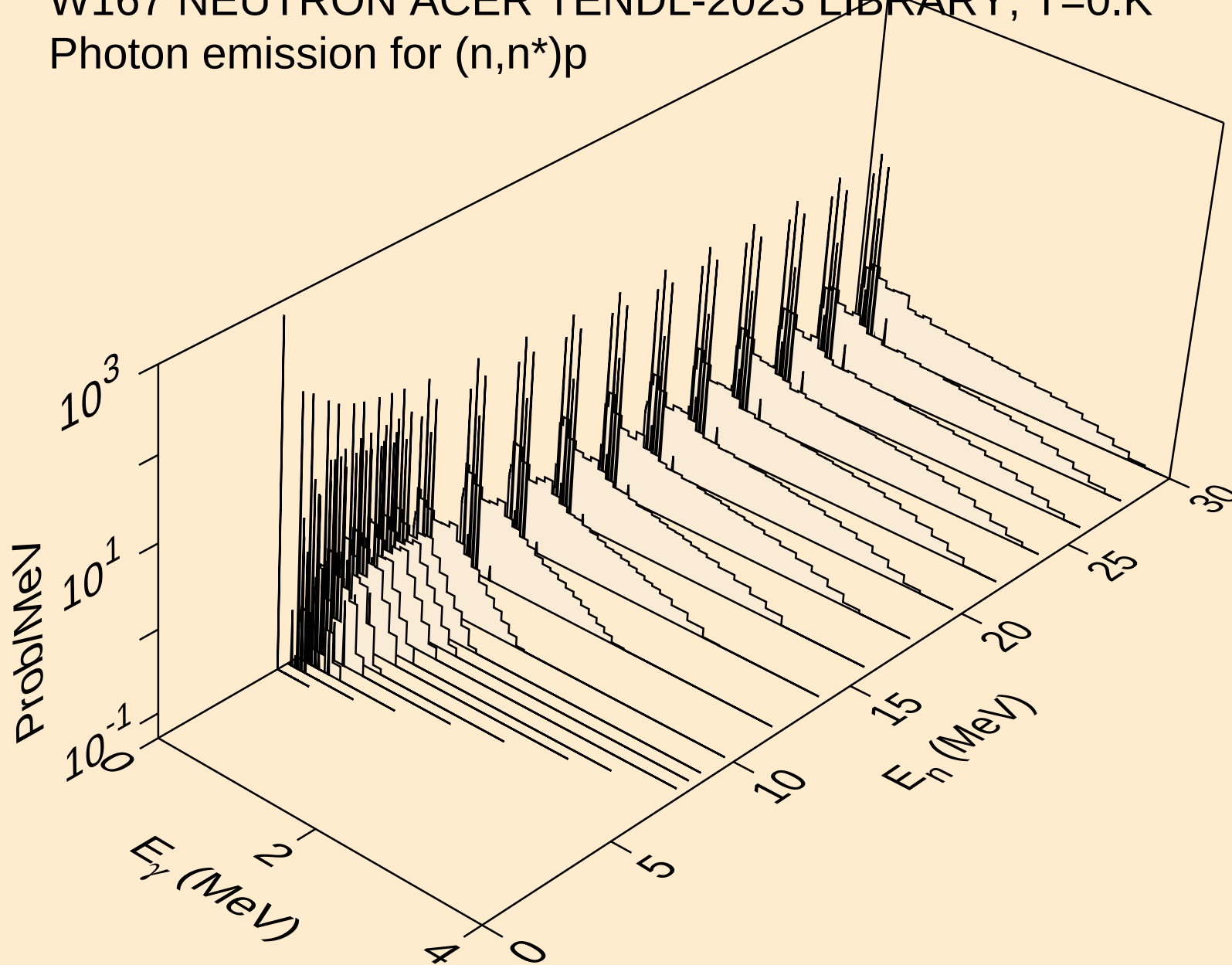


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,3n) α

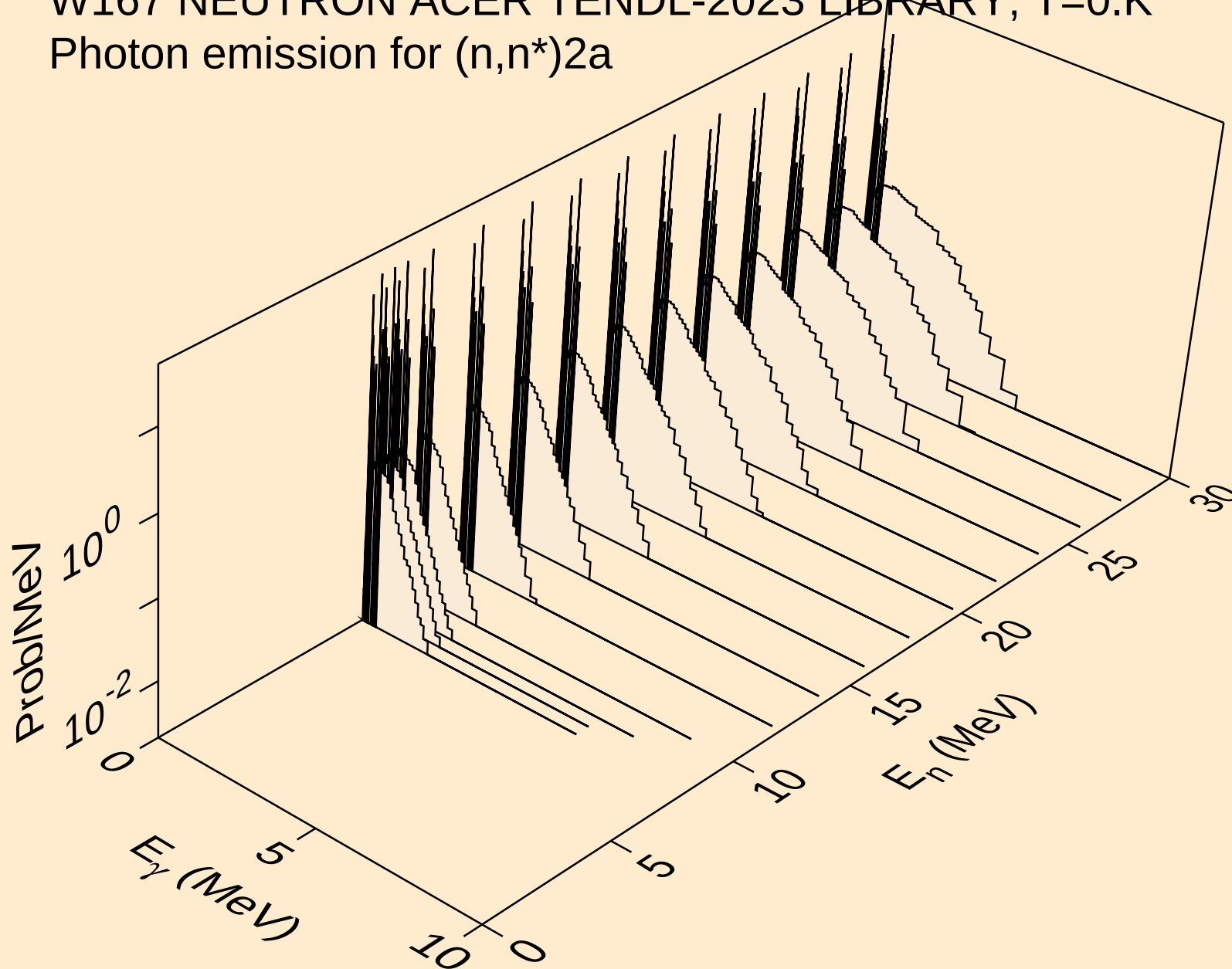


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p

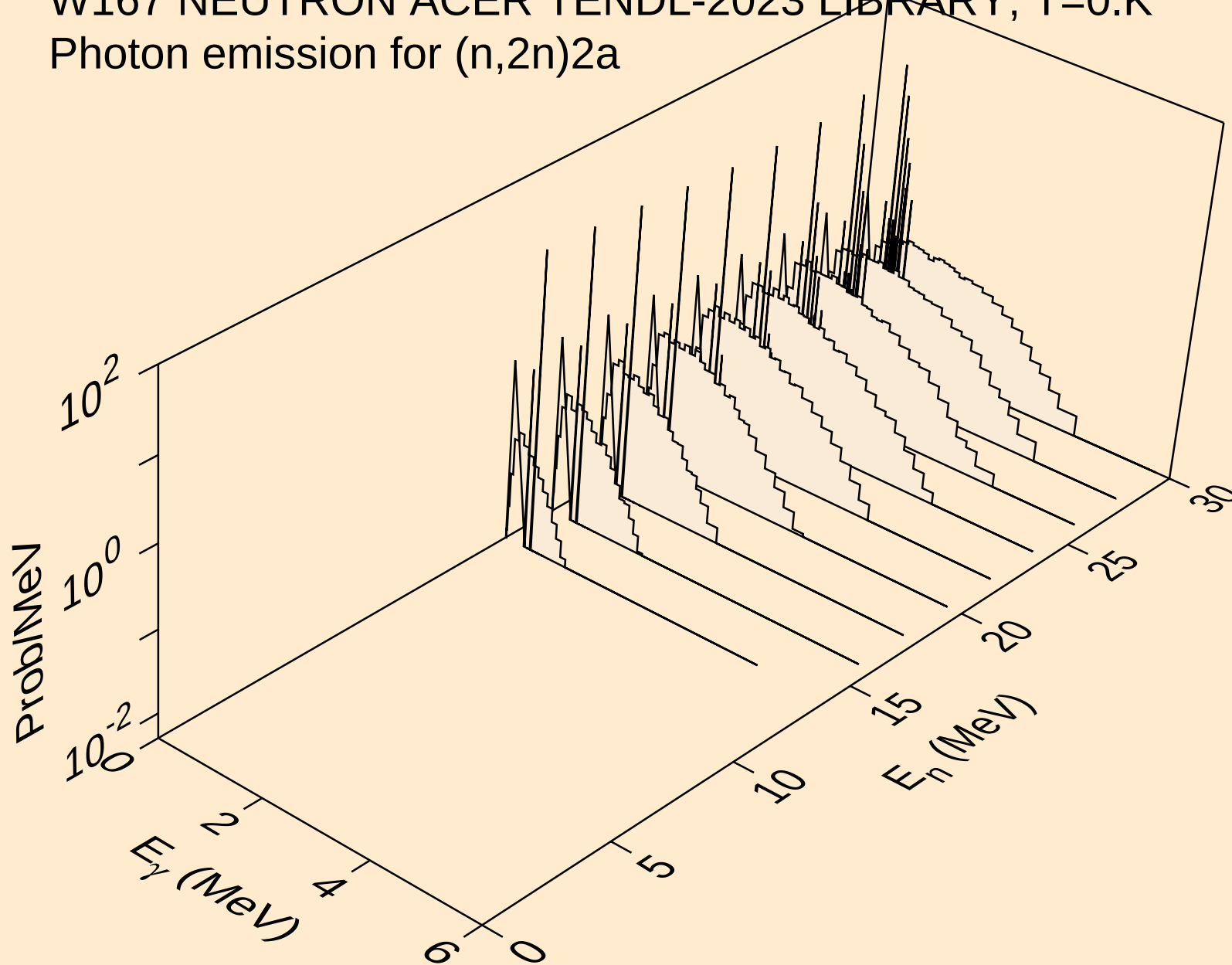


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)2a

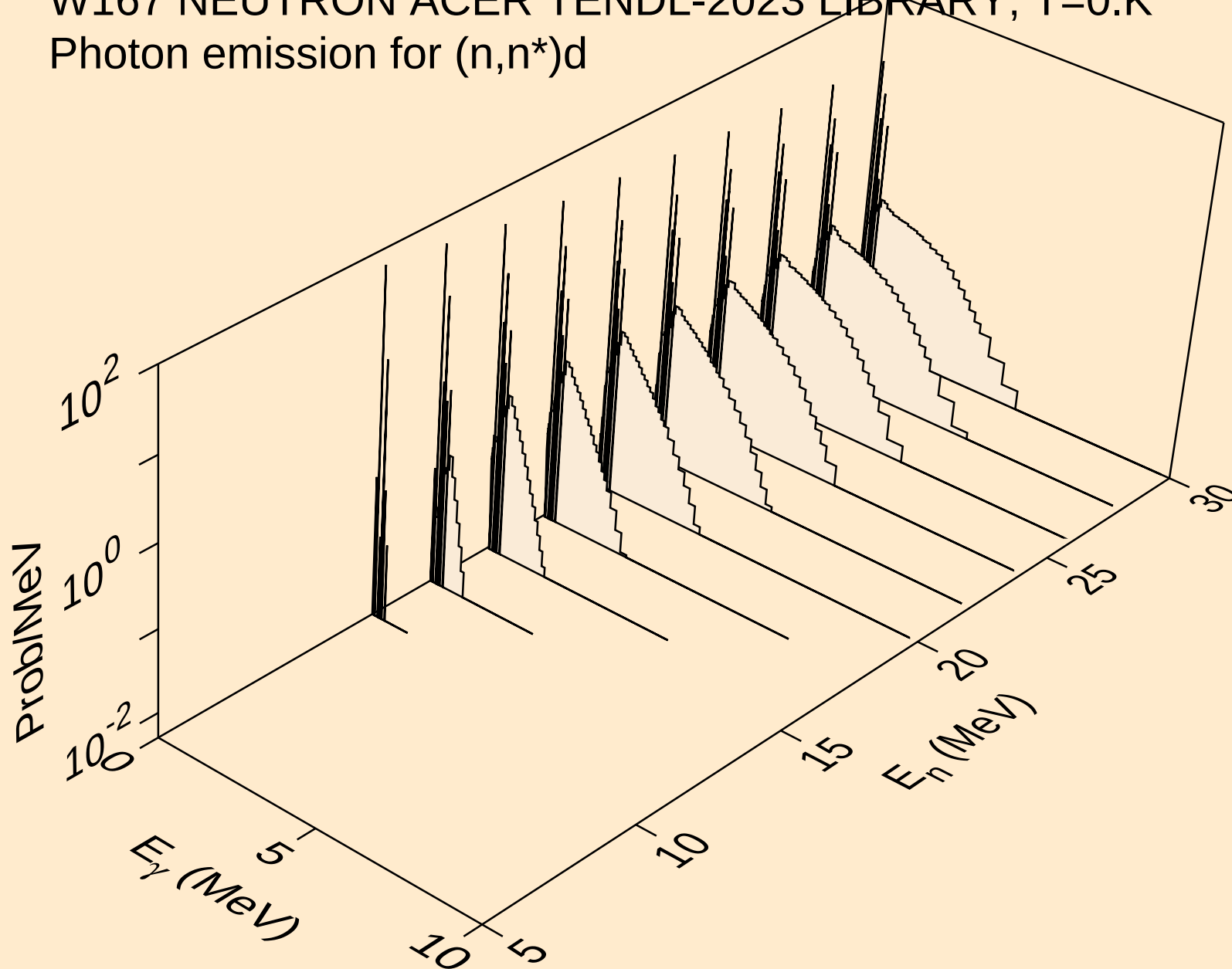


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)2a



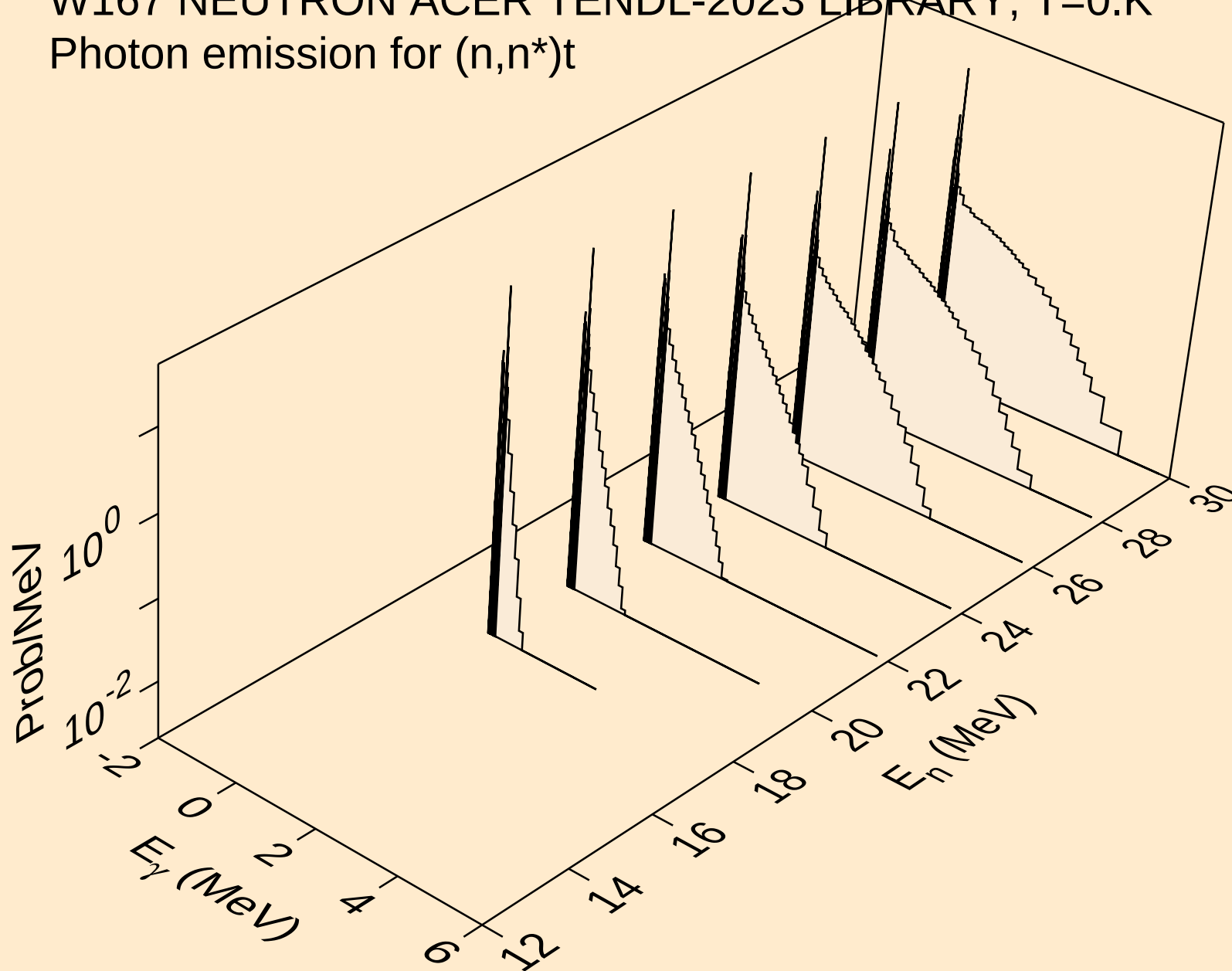
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n*)d

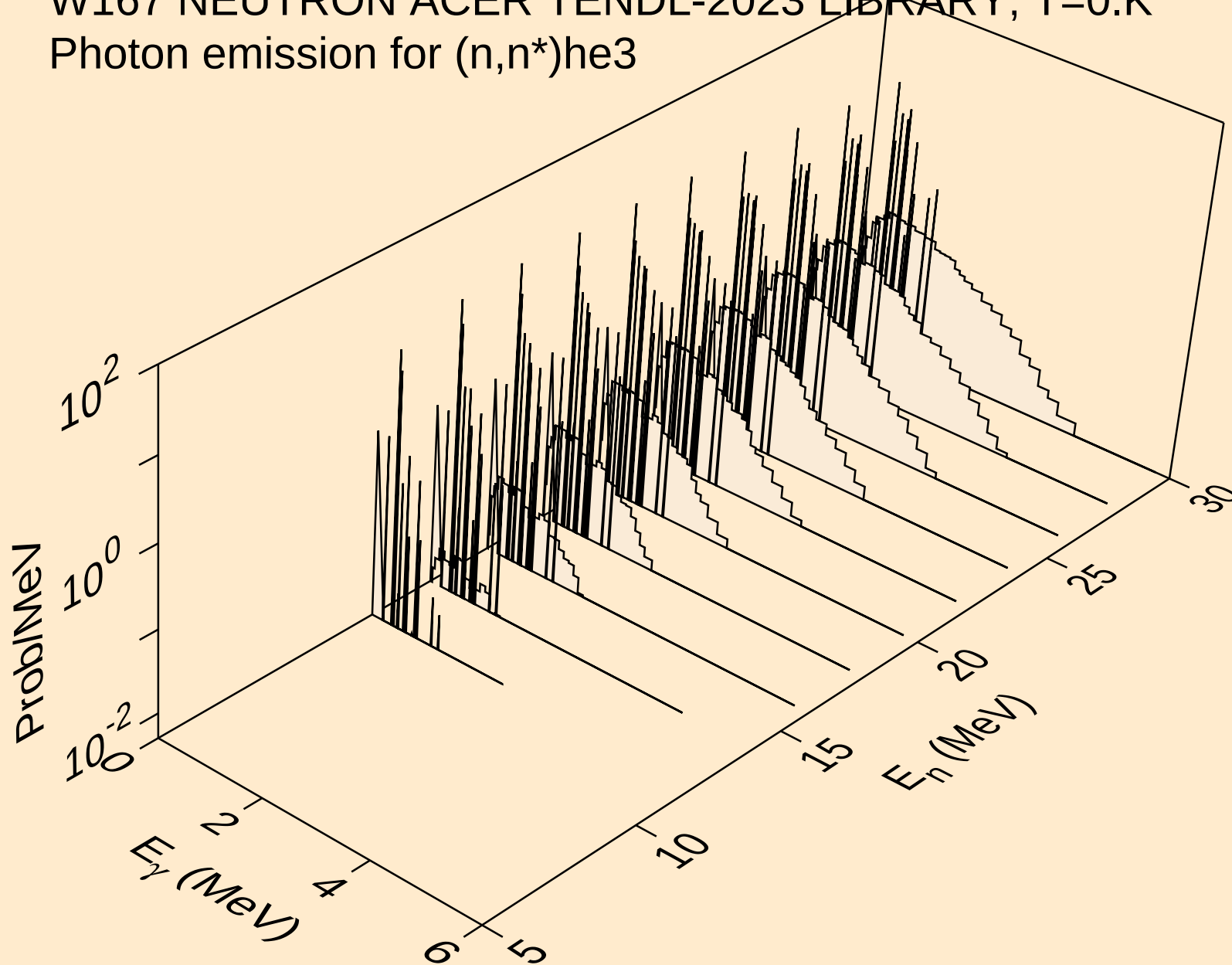


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

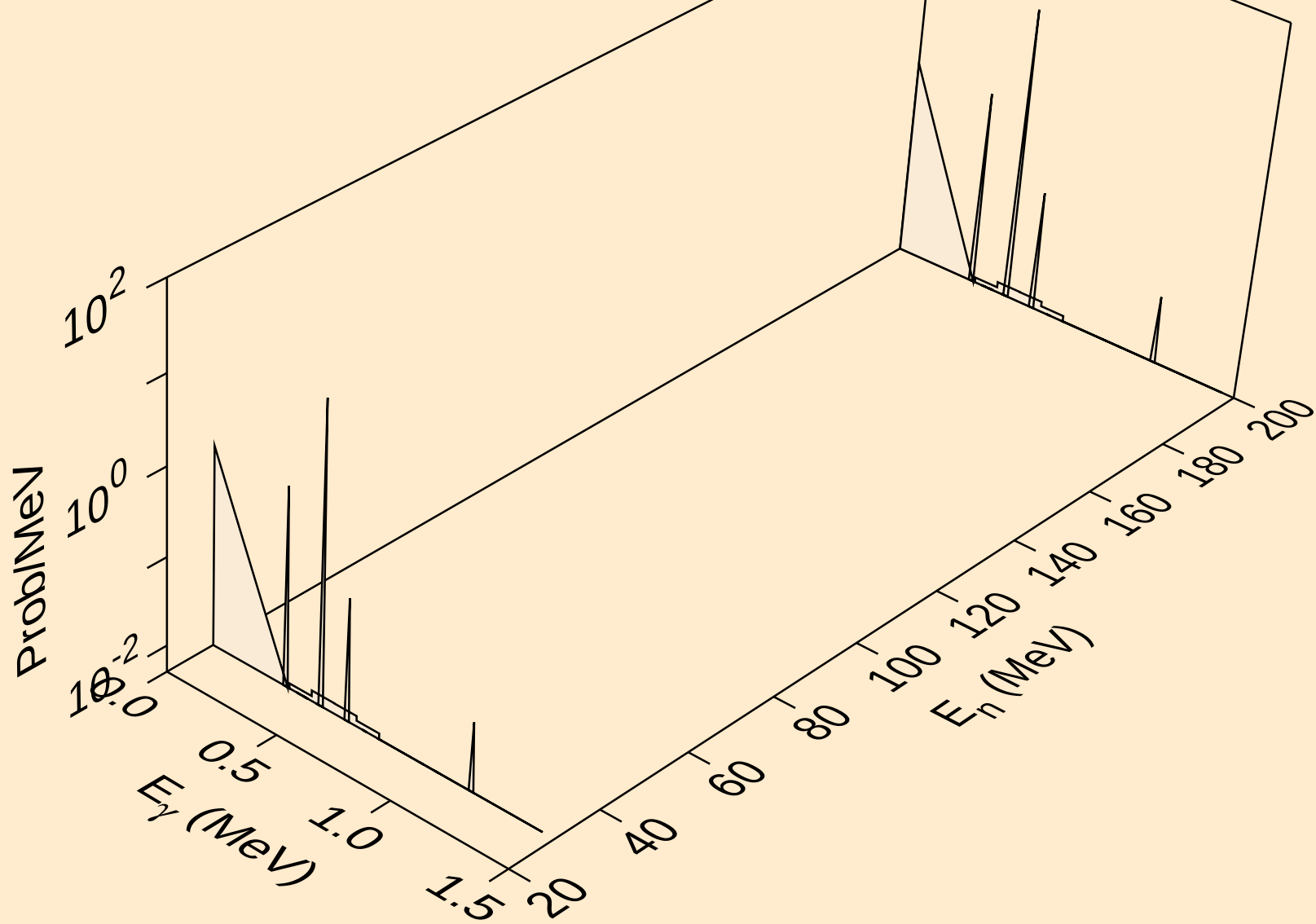
Photon emission for (n,n*)t



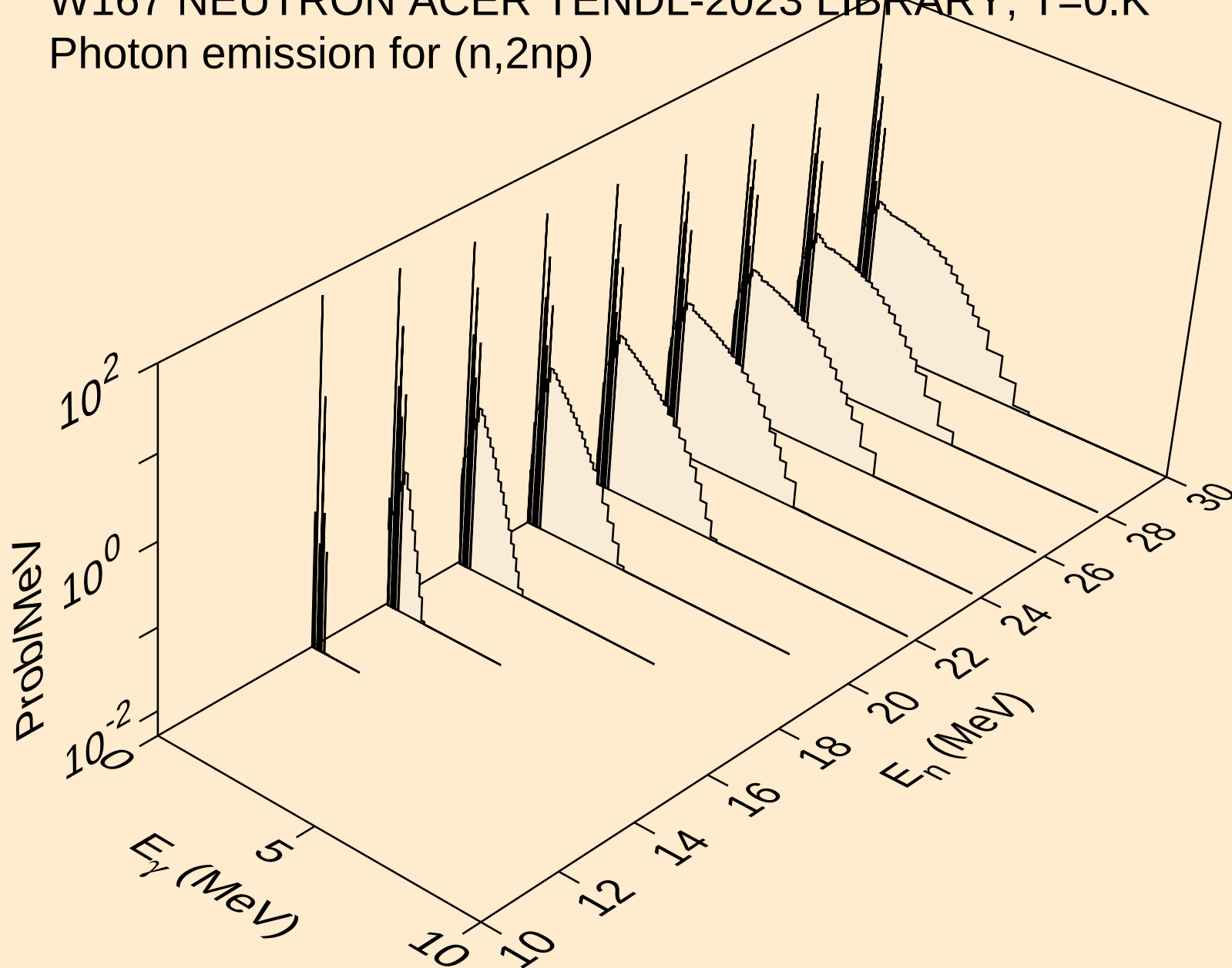
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



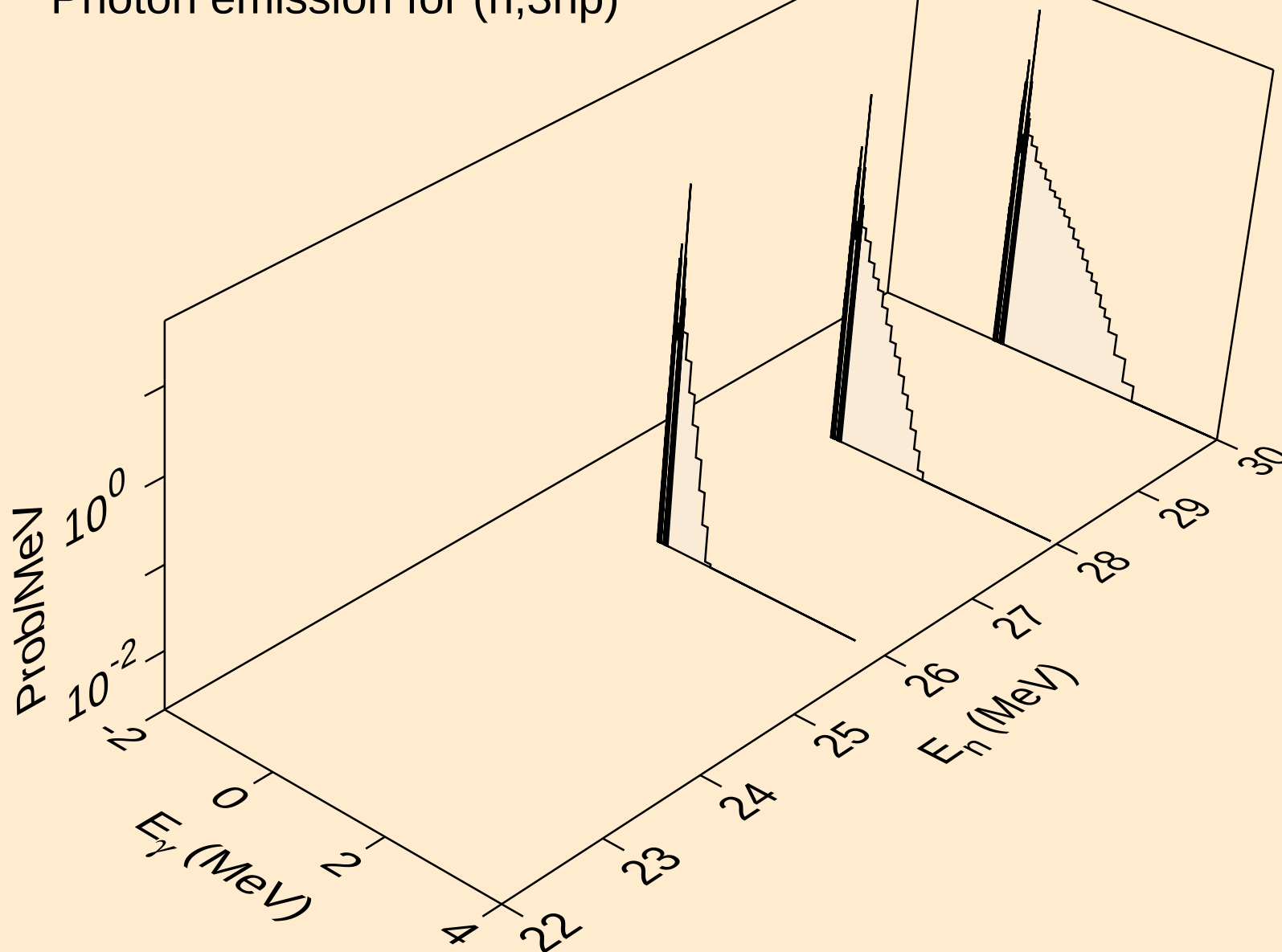
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



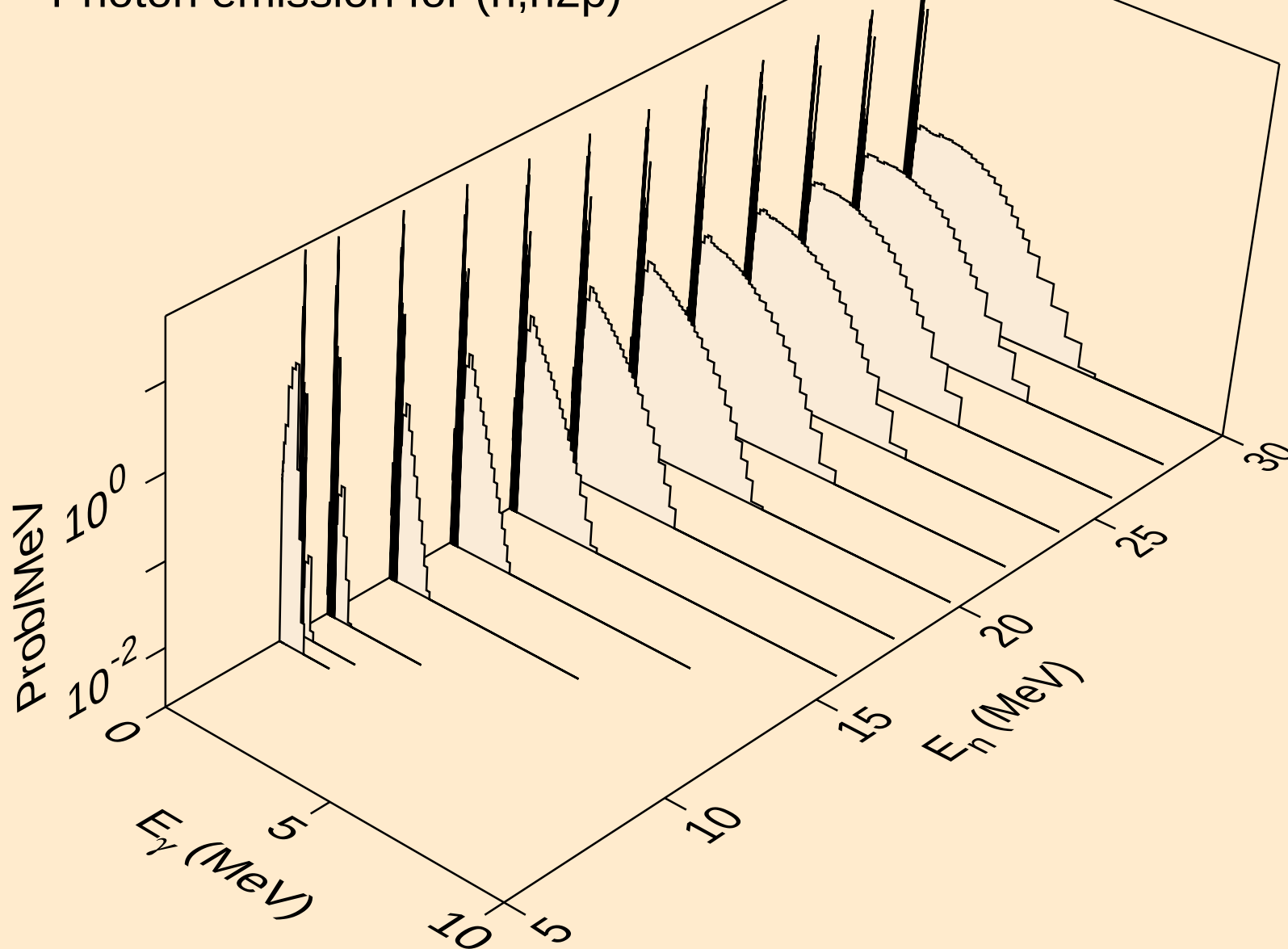
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,2np)



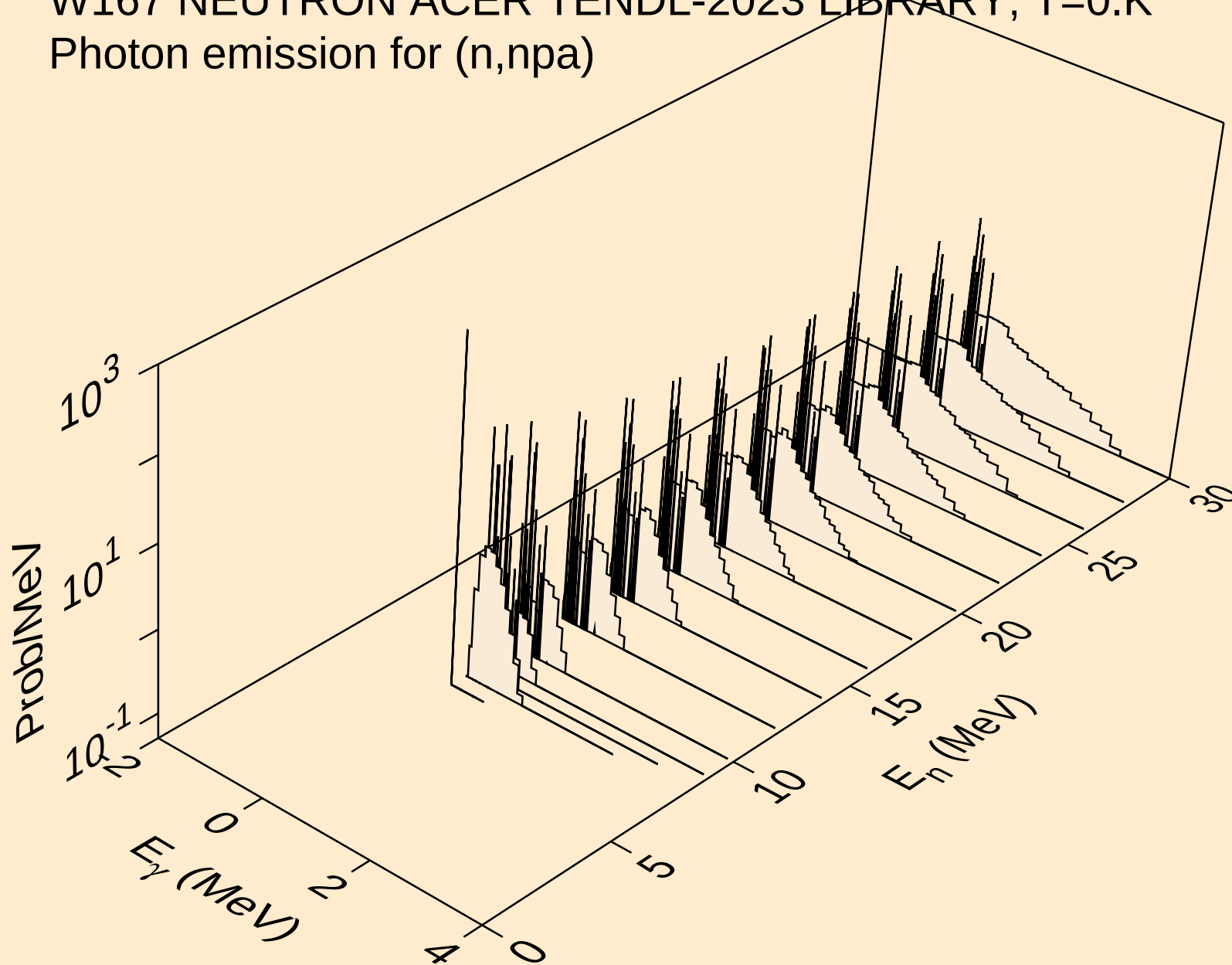
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3np)



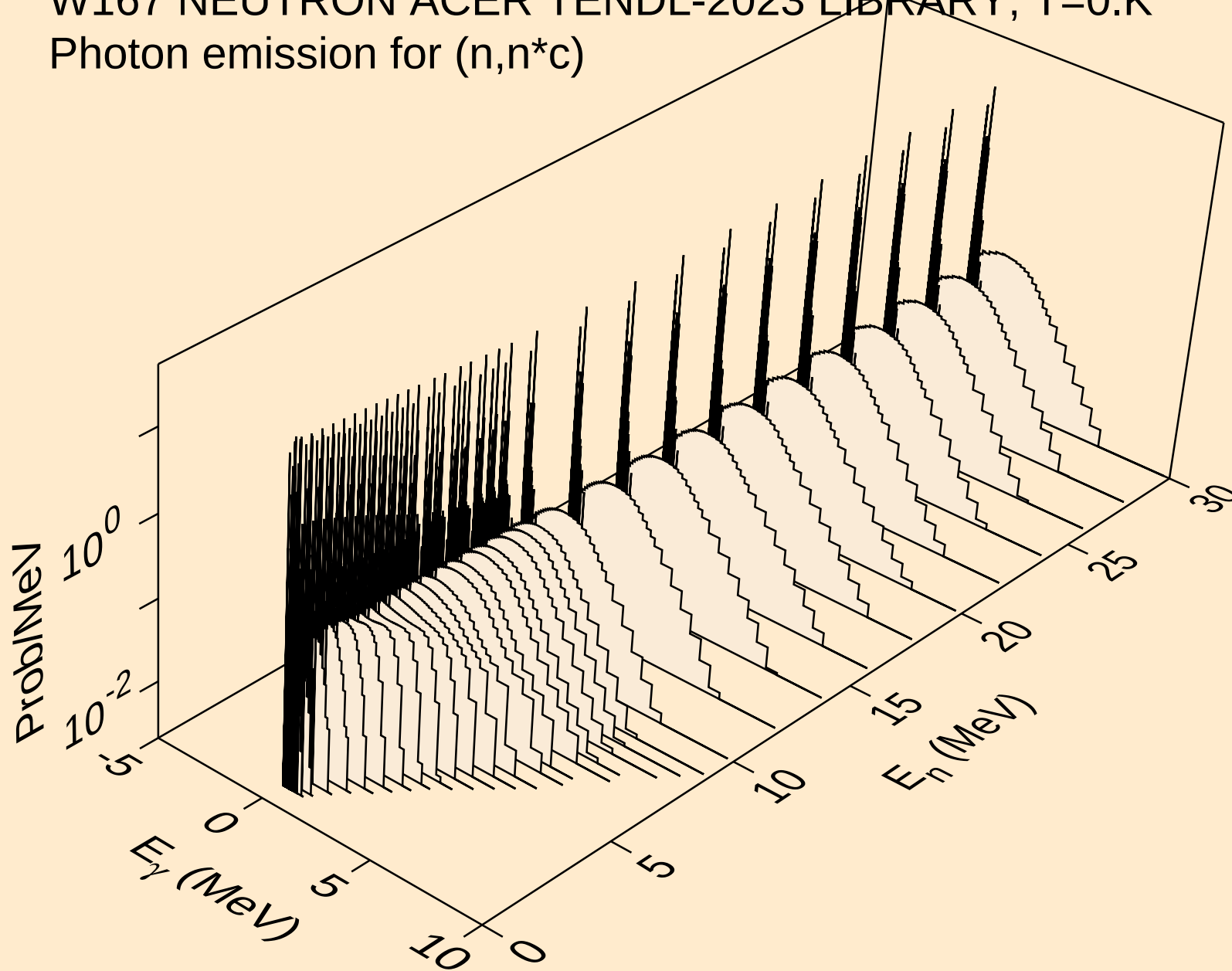
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



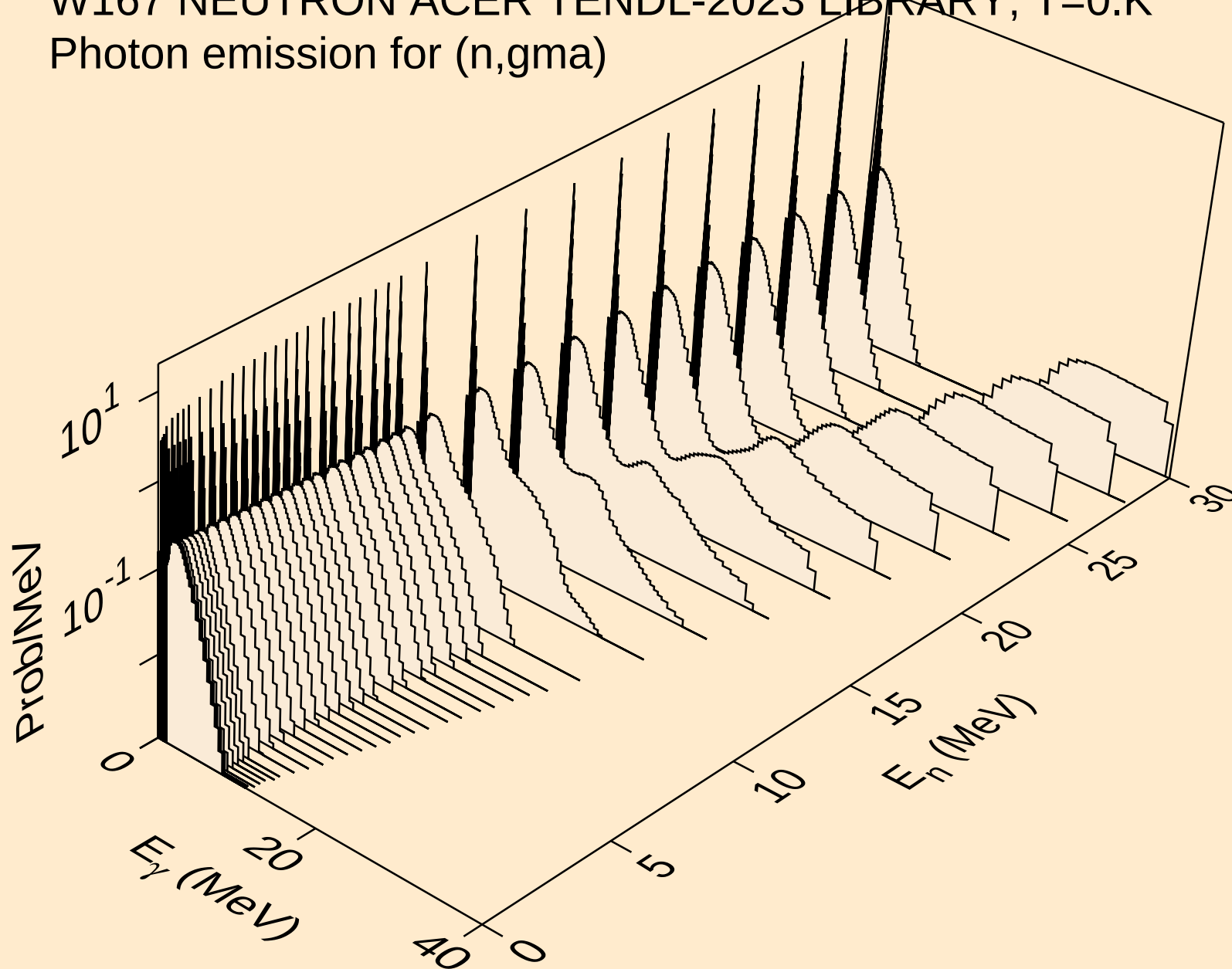
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



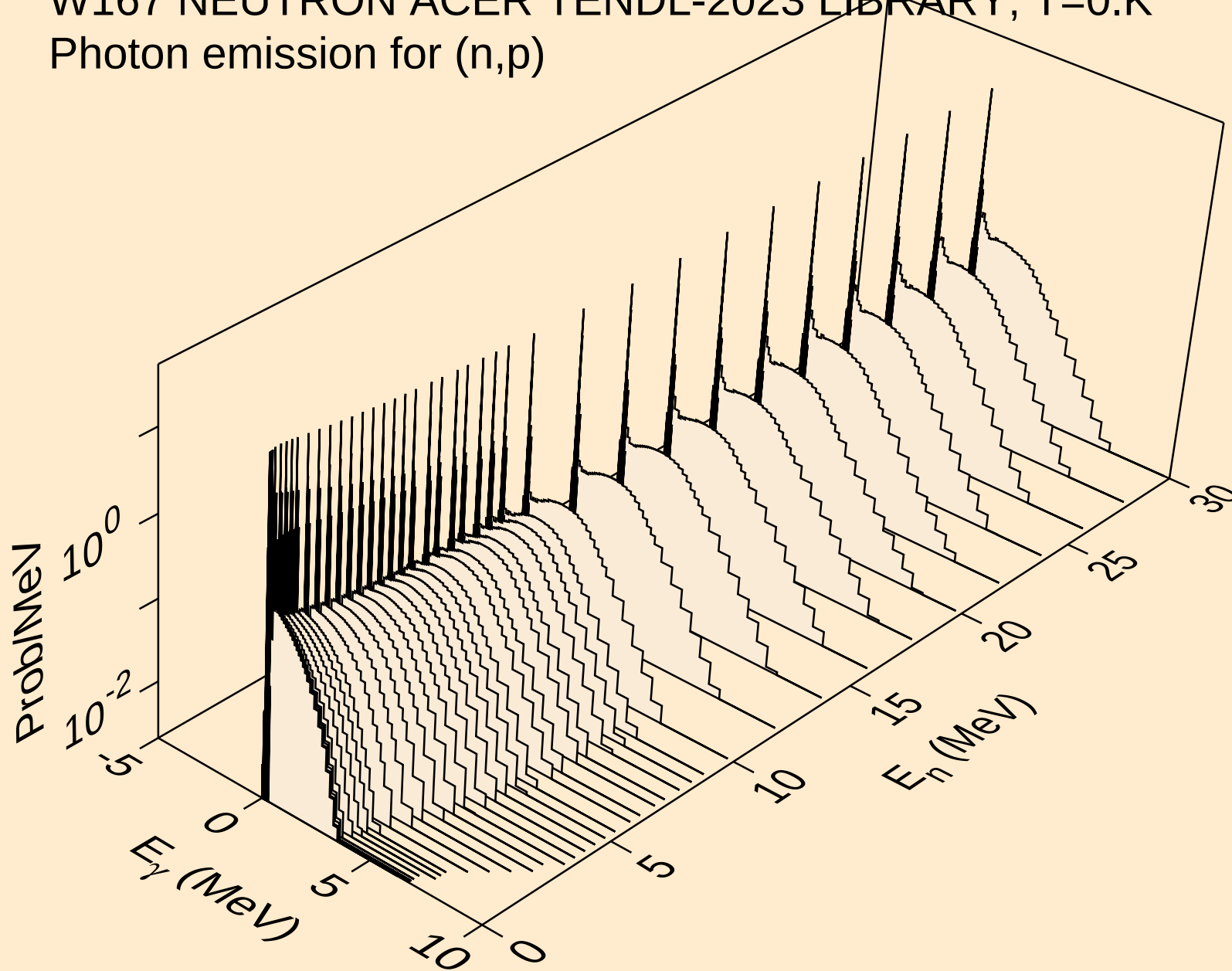
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



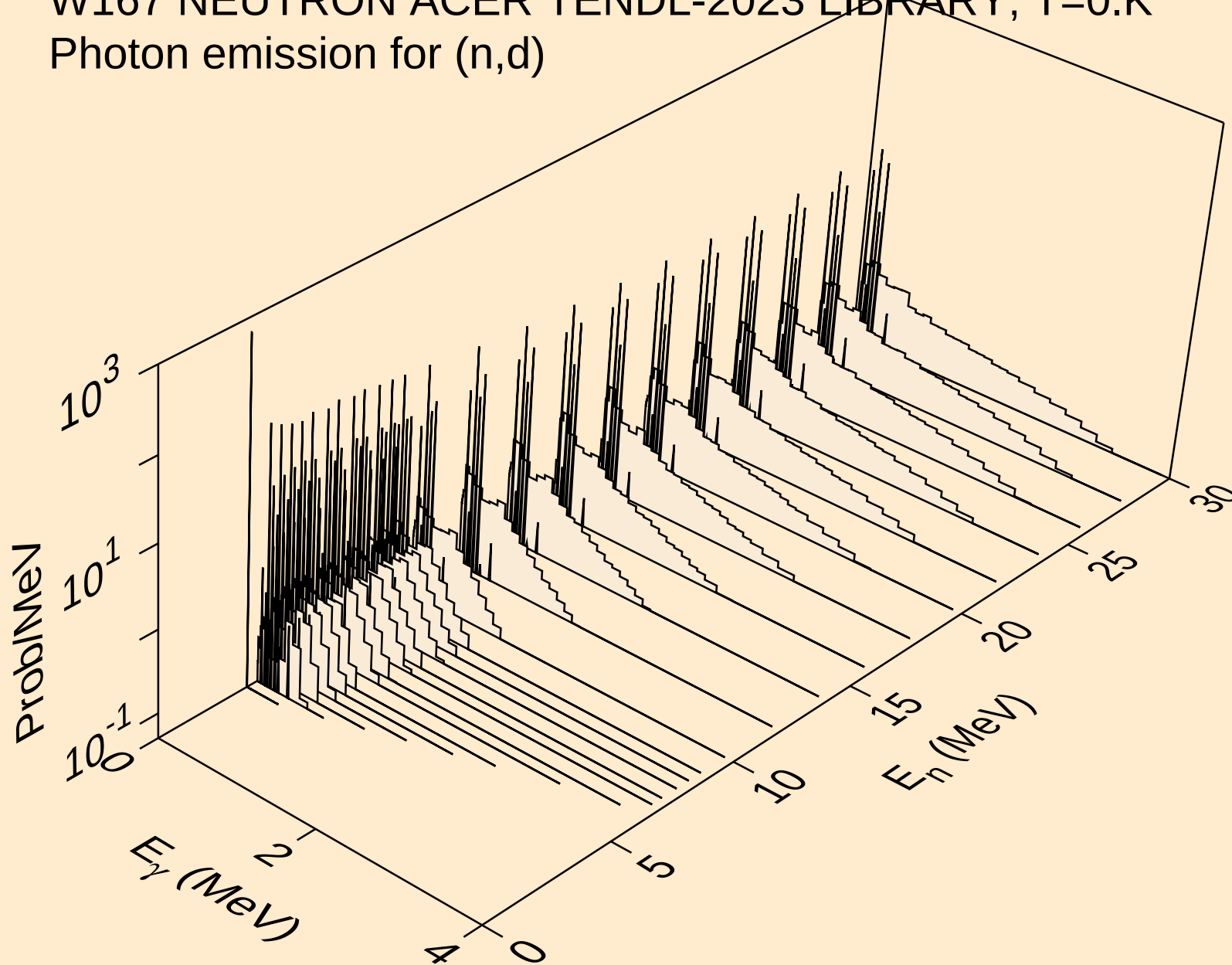
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



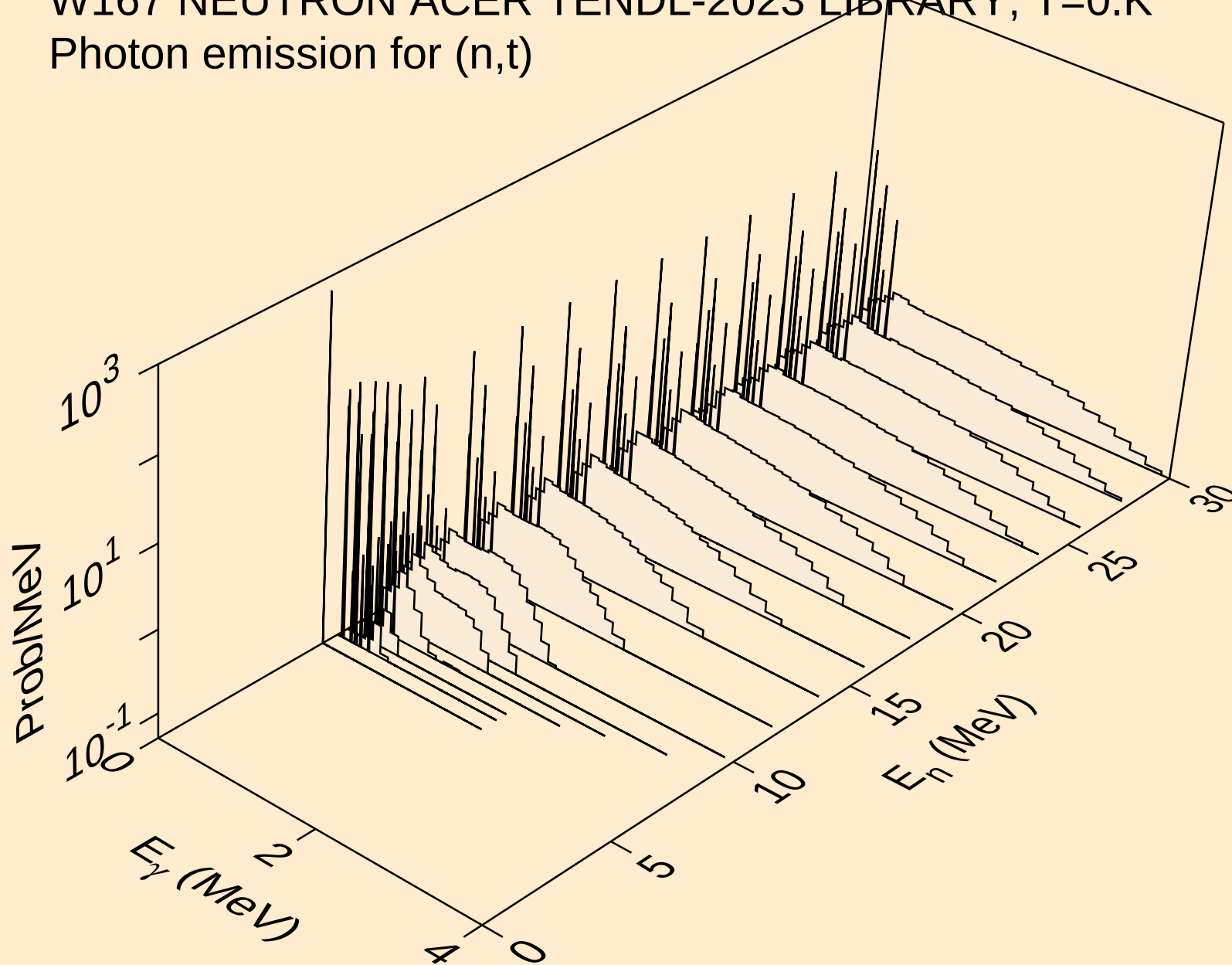
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



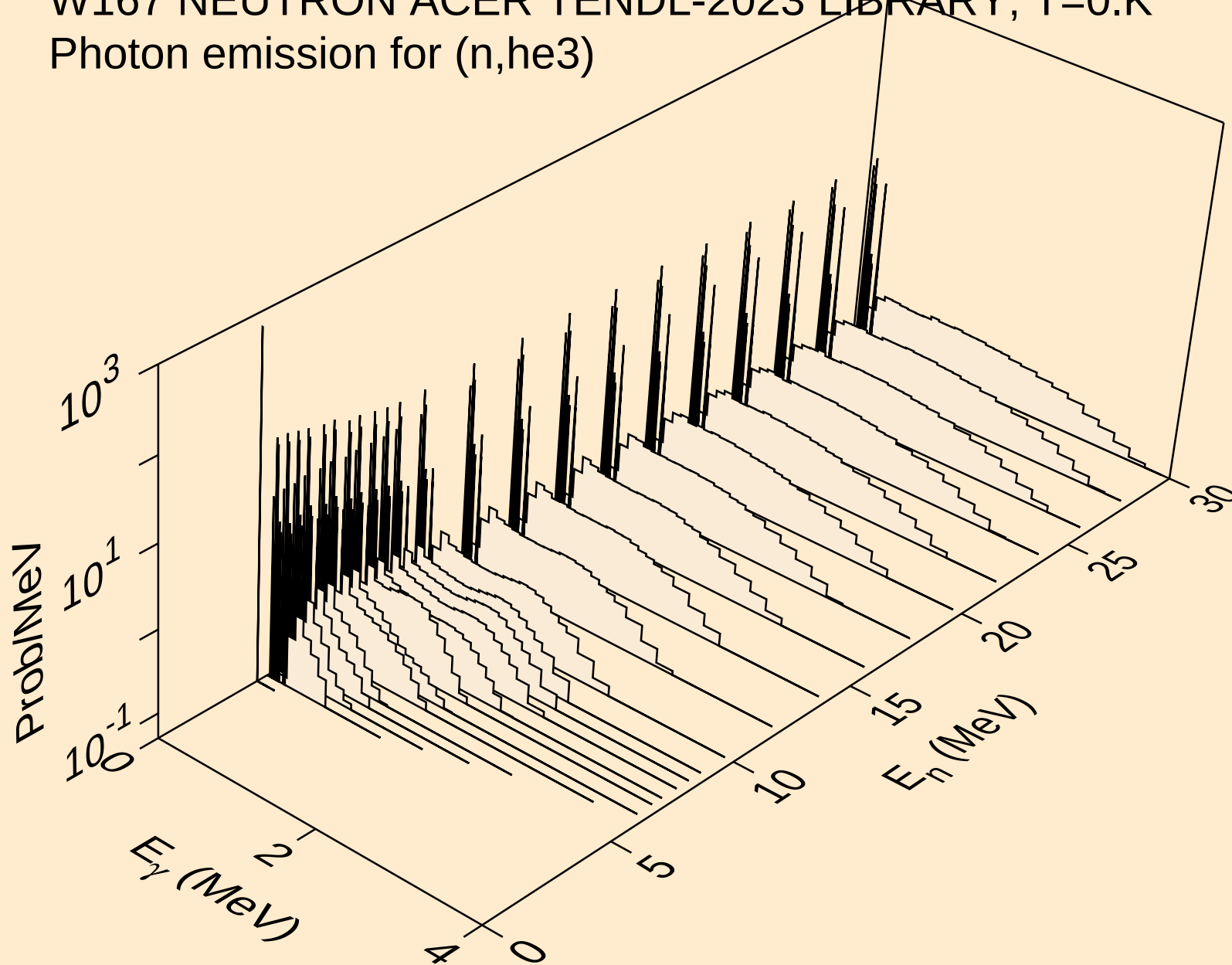
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



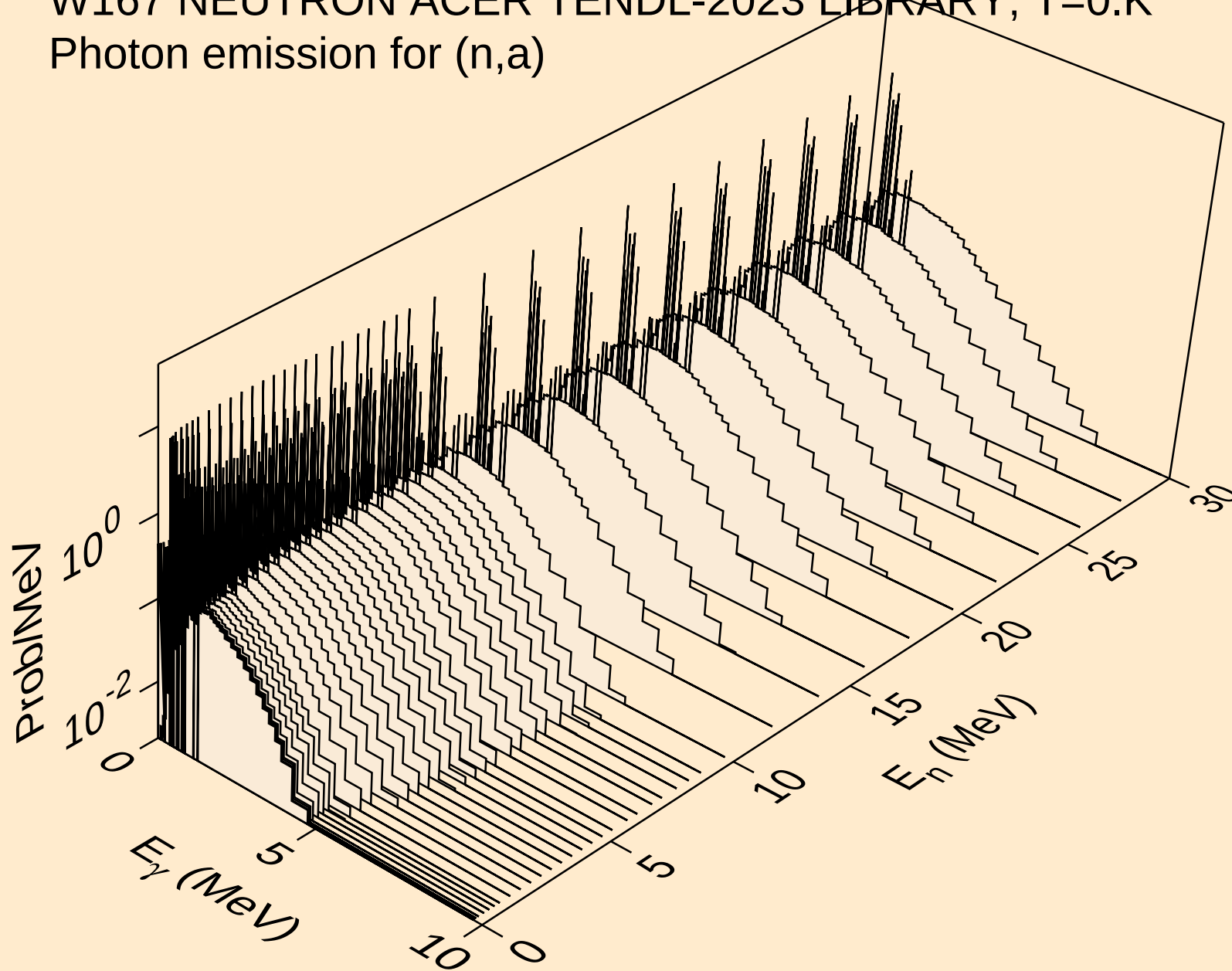
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



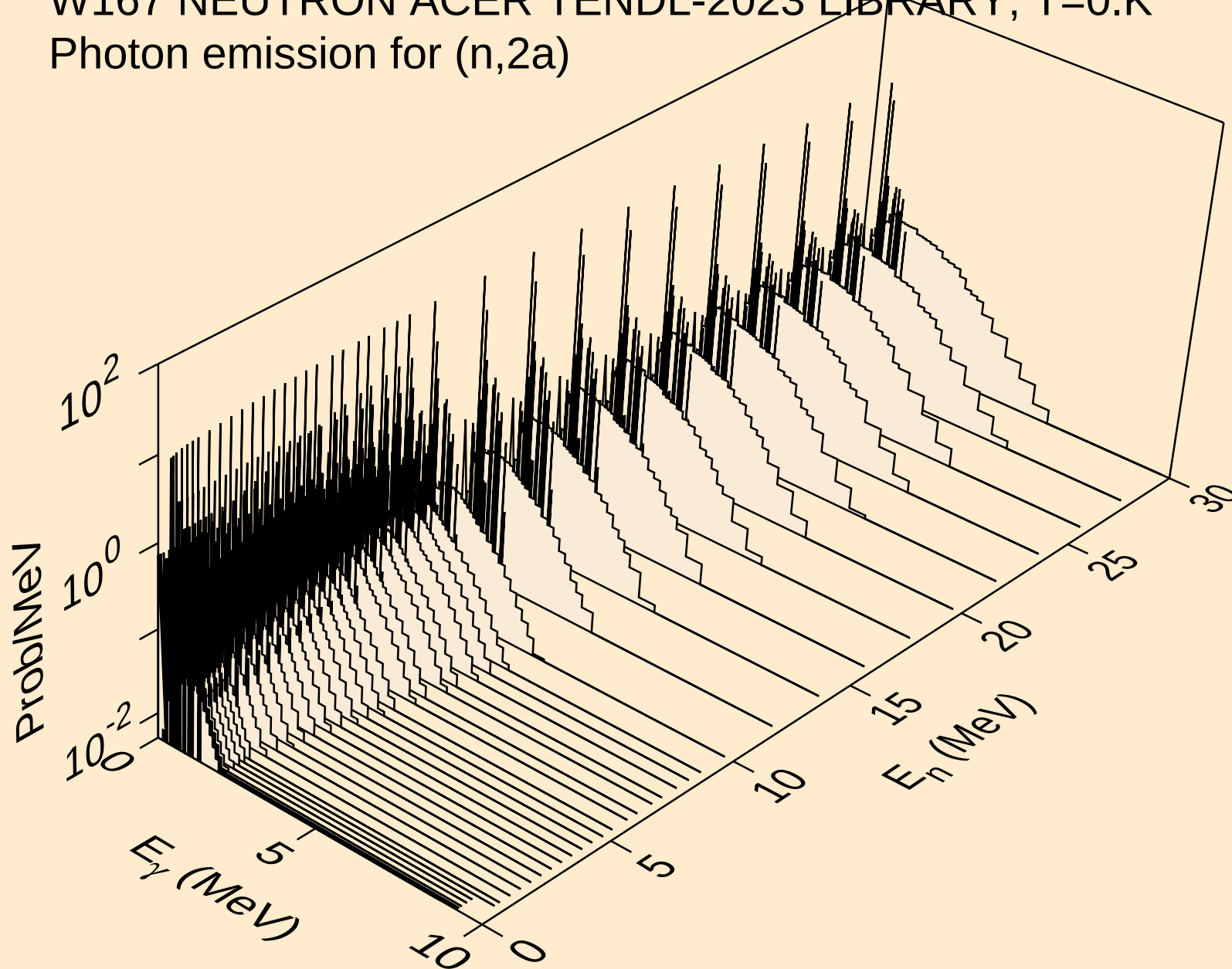
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



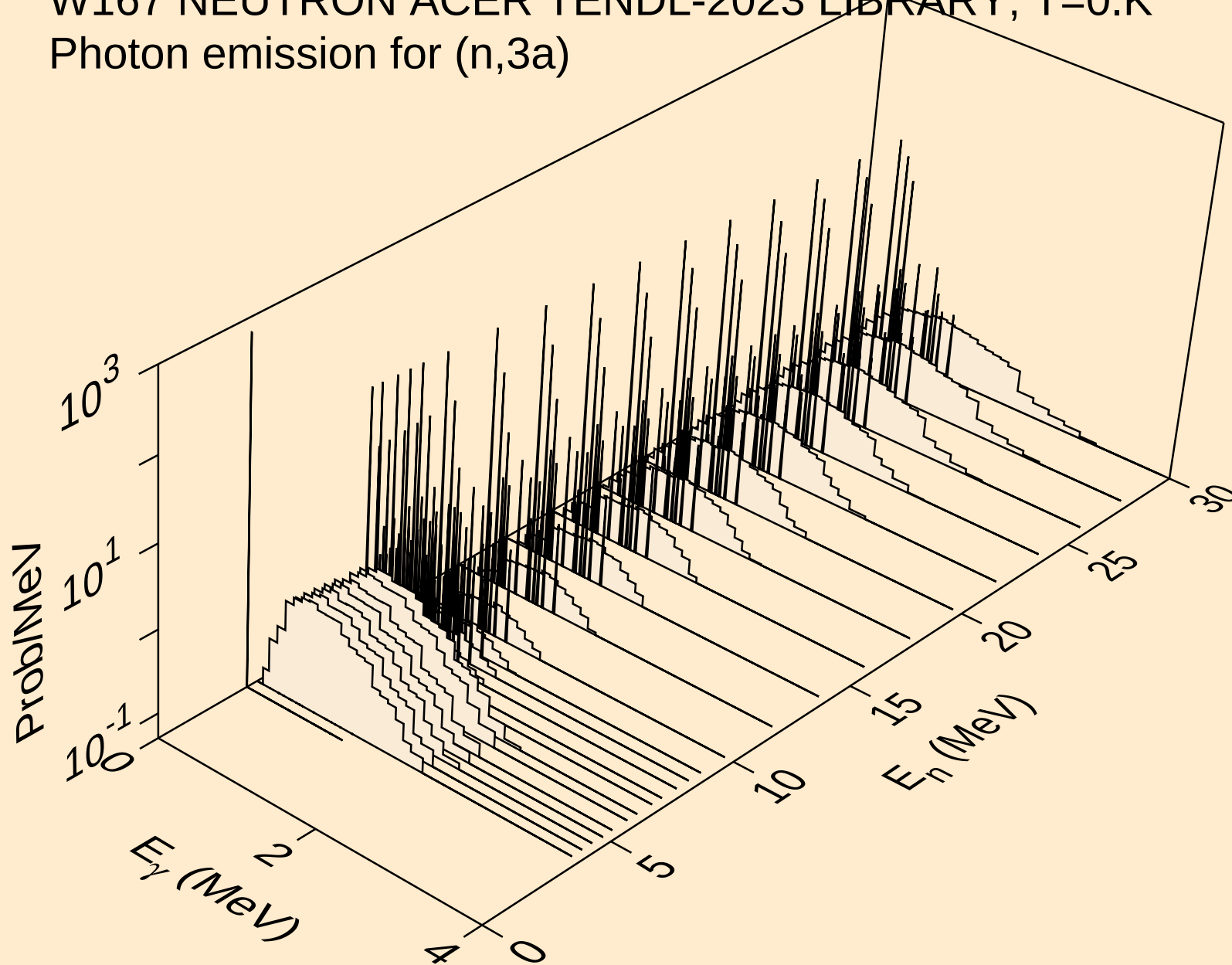
W167 NEUTRON ACER TENDL-2023 LIBRARY; $T=0.K$
Photon emission for (n,a)



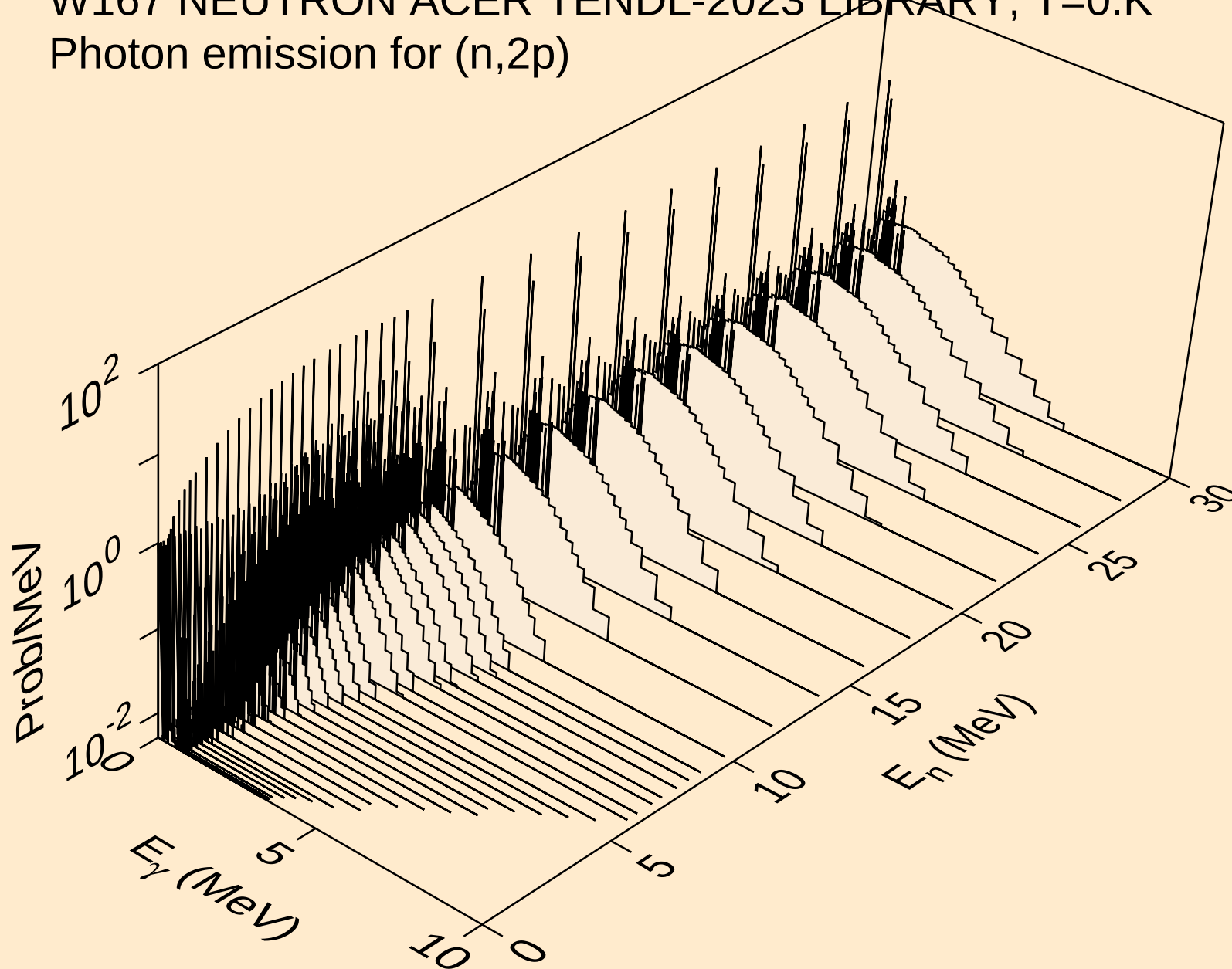
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2a)



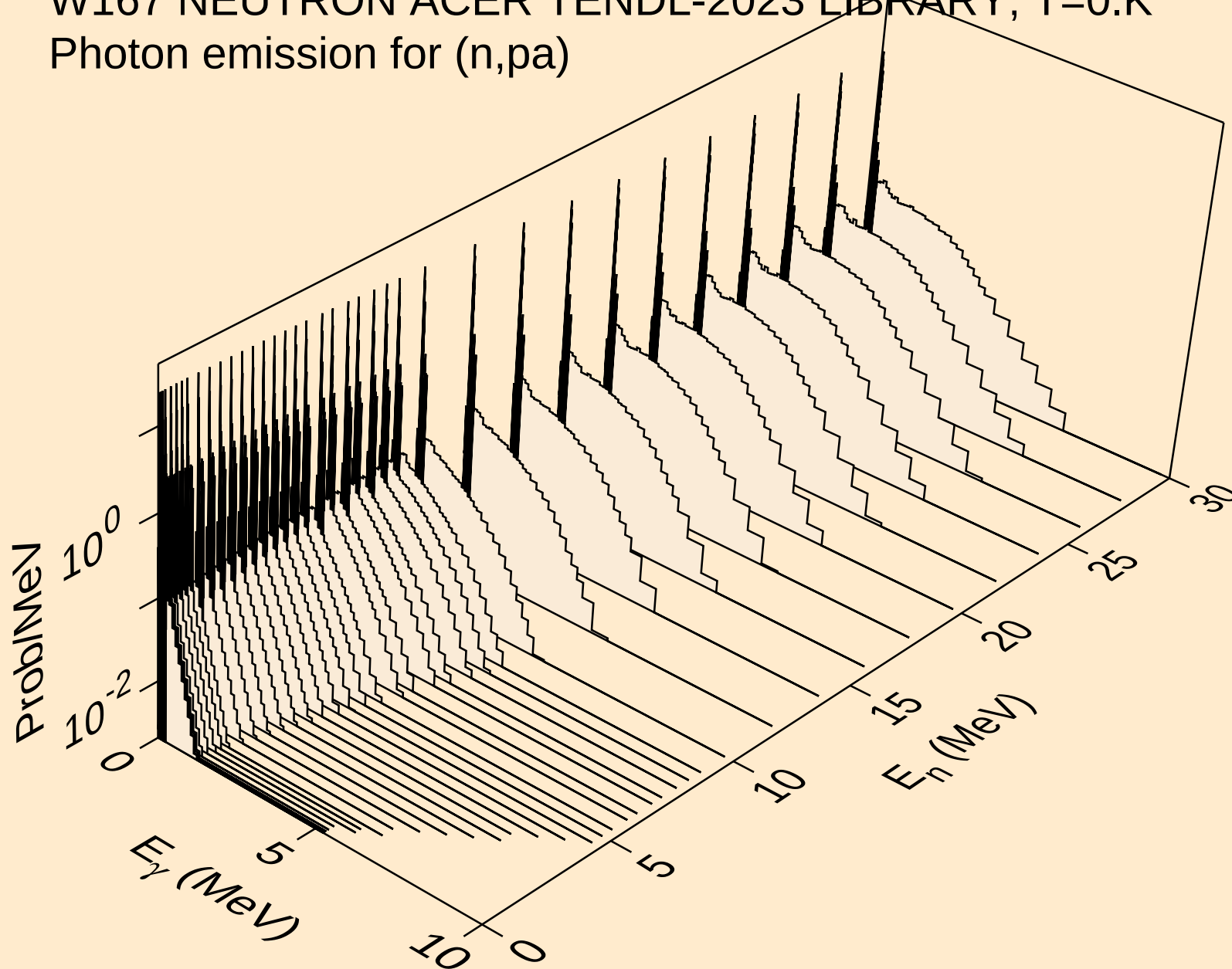
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3a)



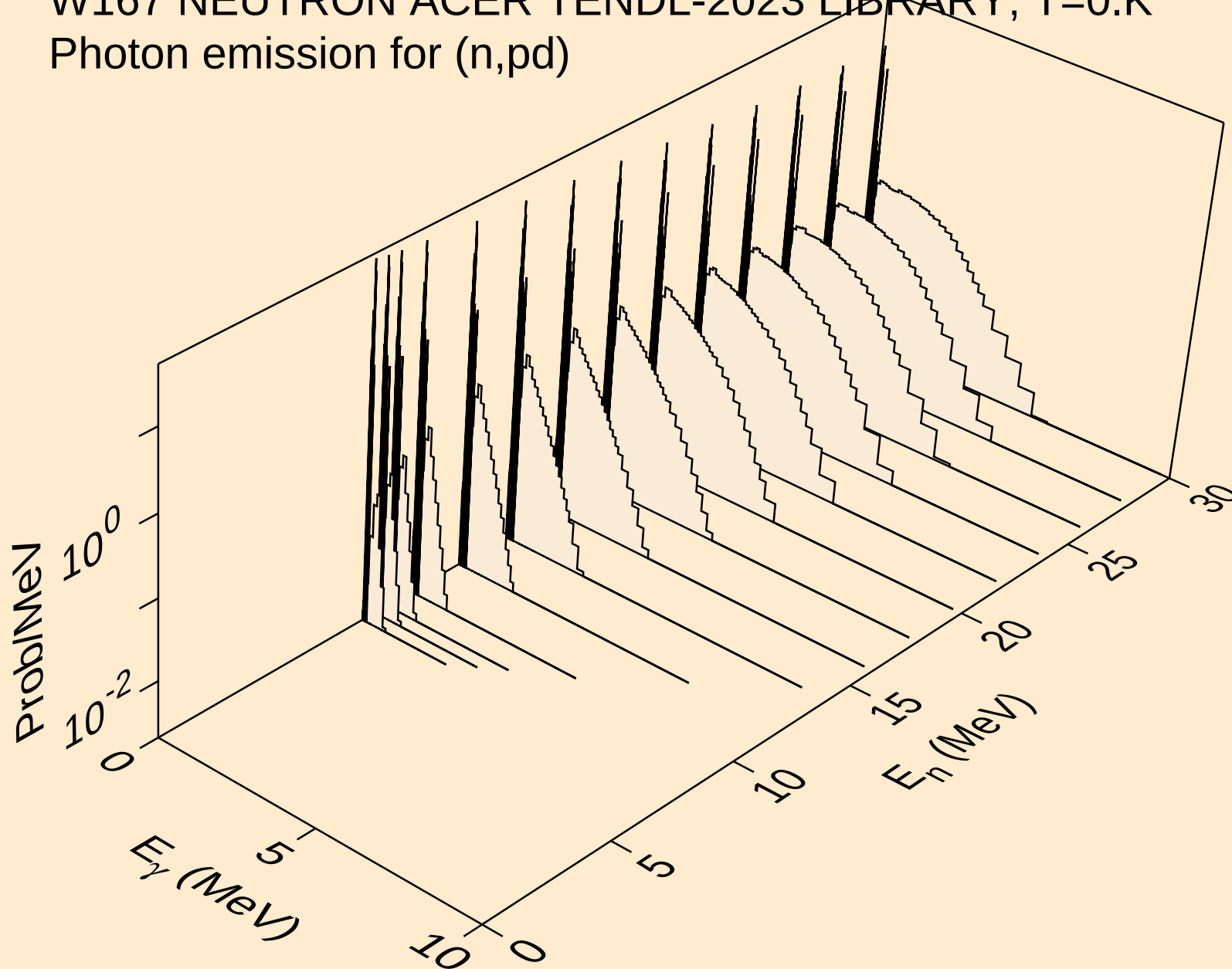
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



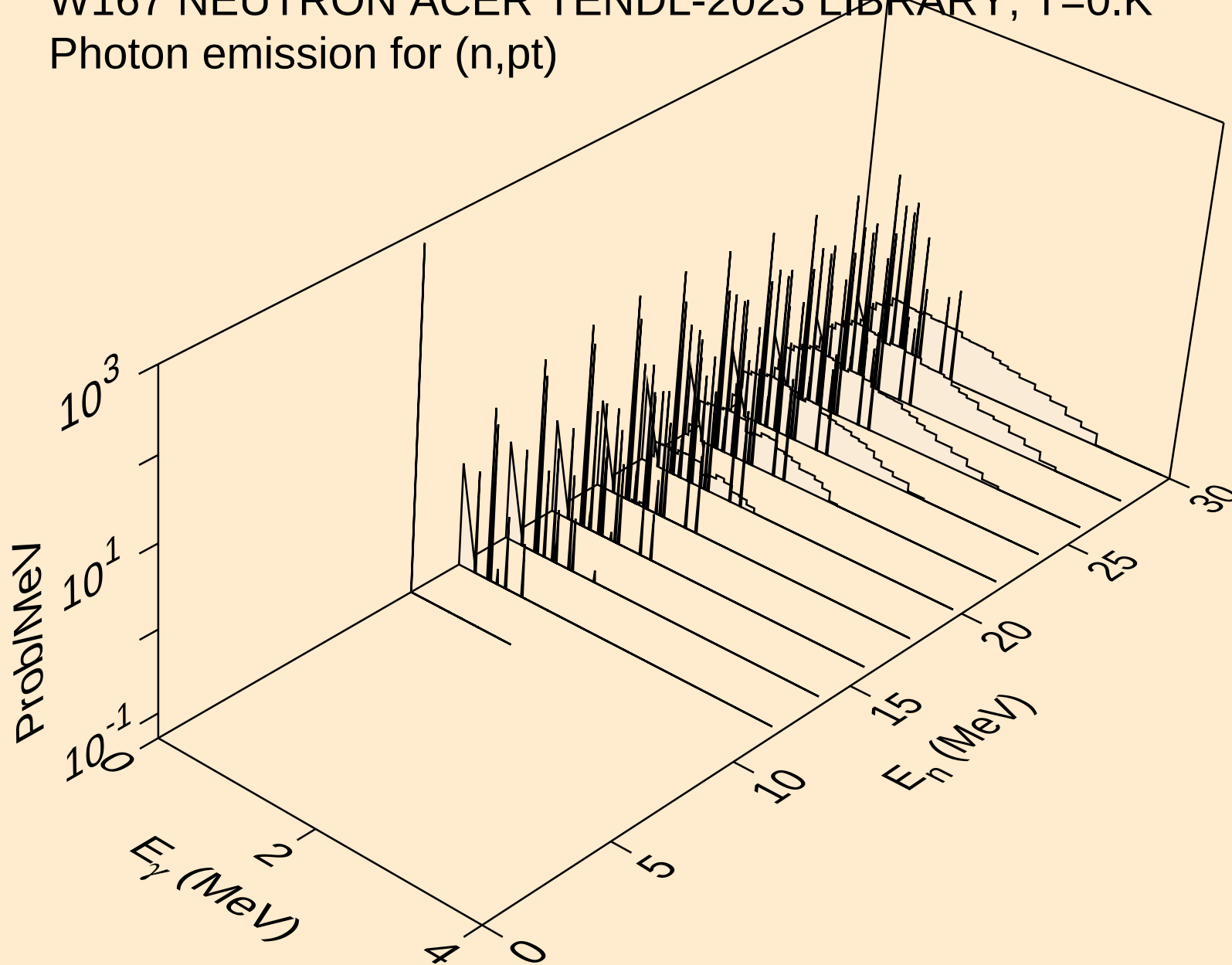
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



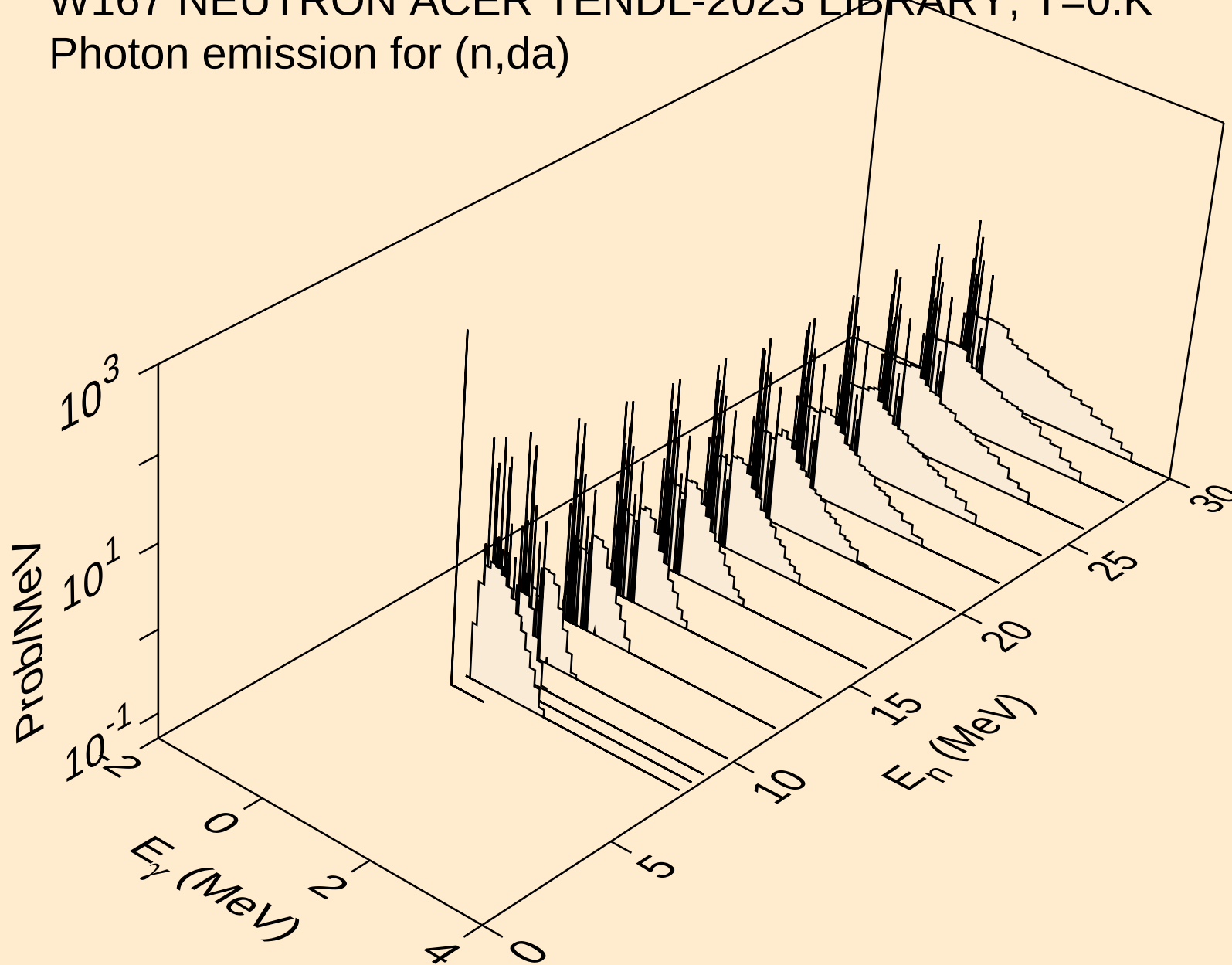
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



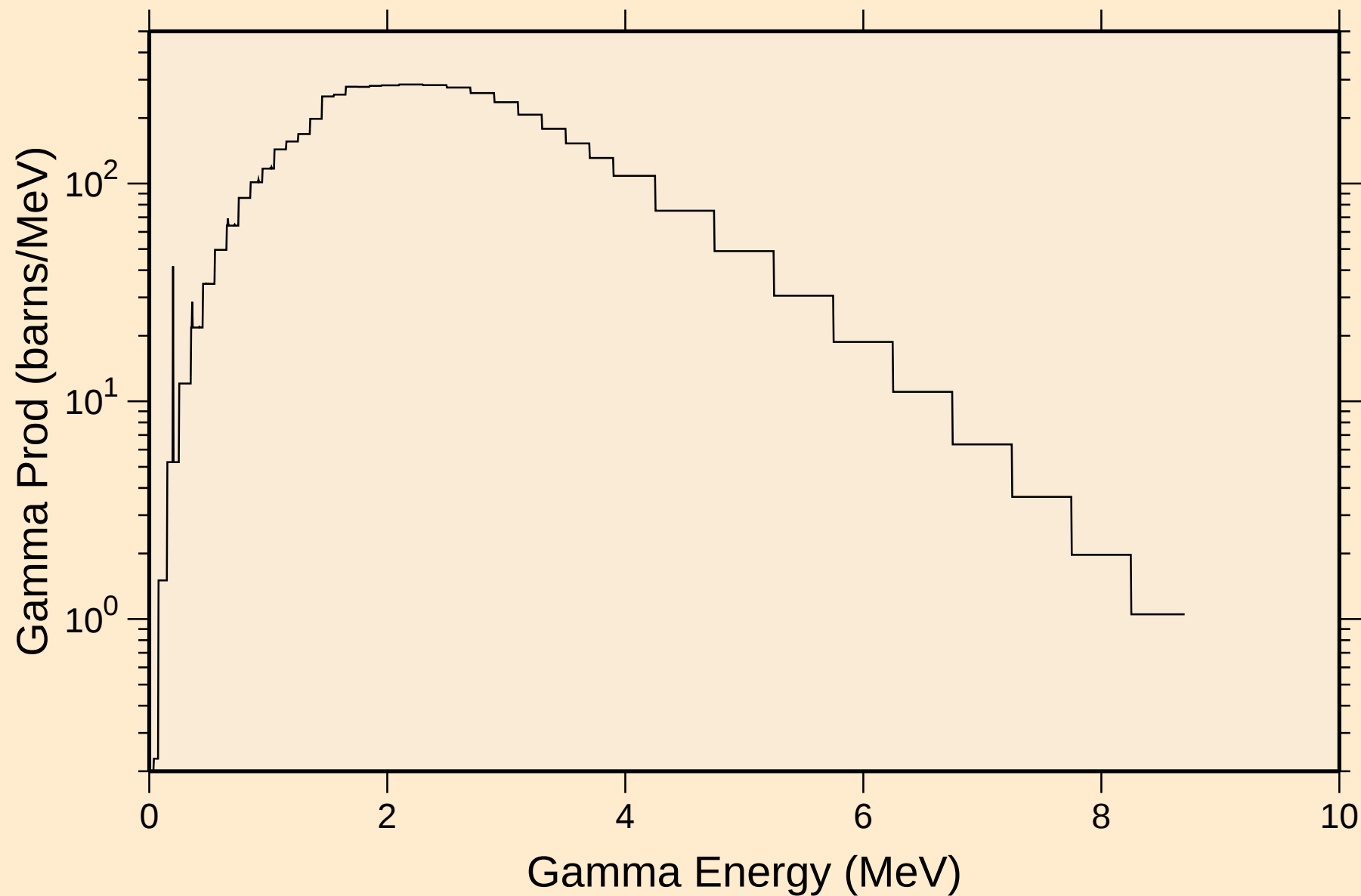
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



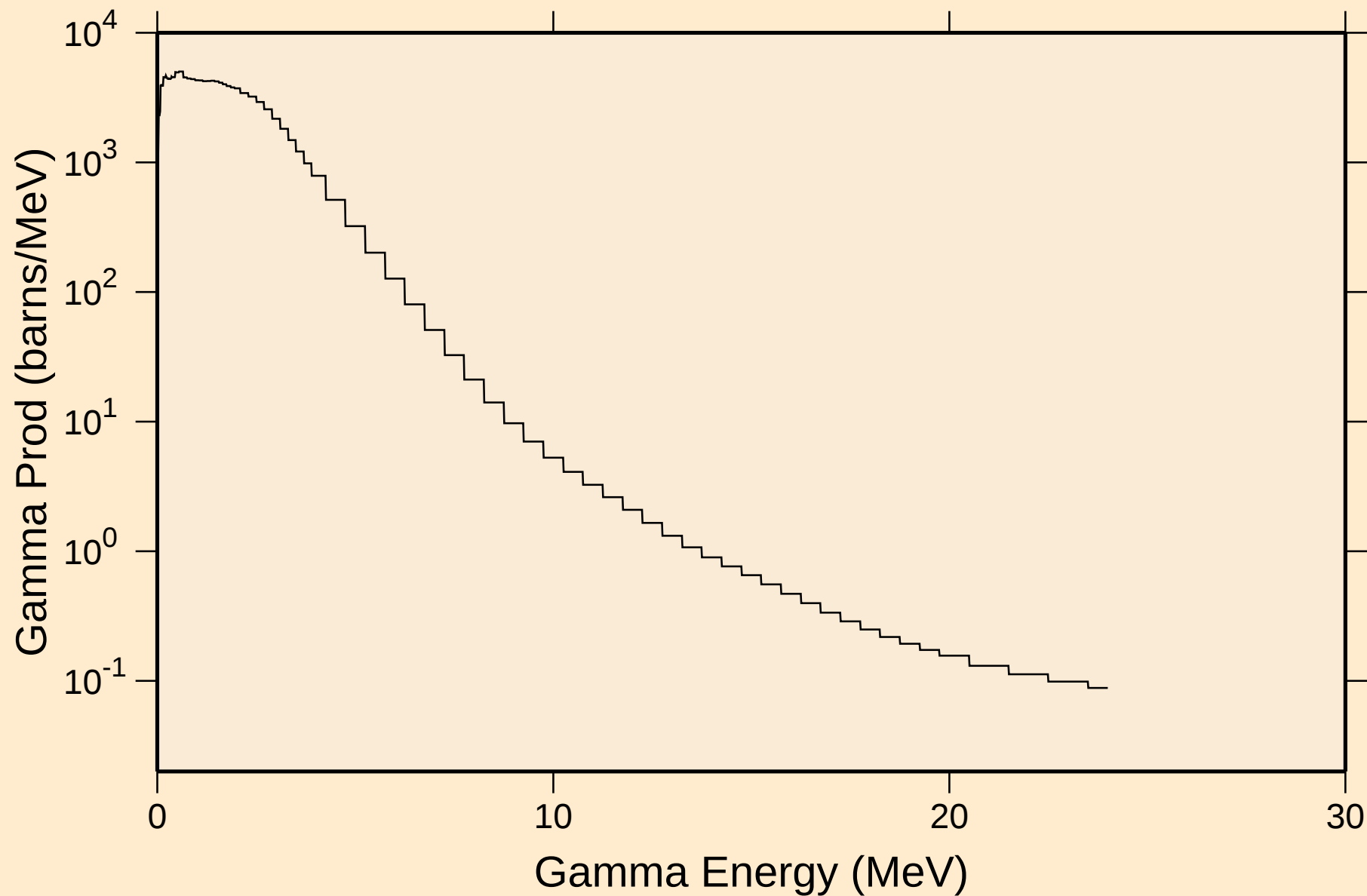
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

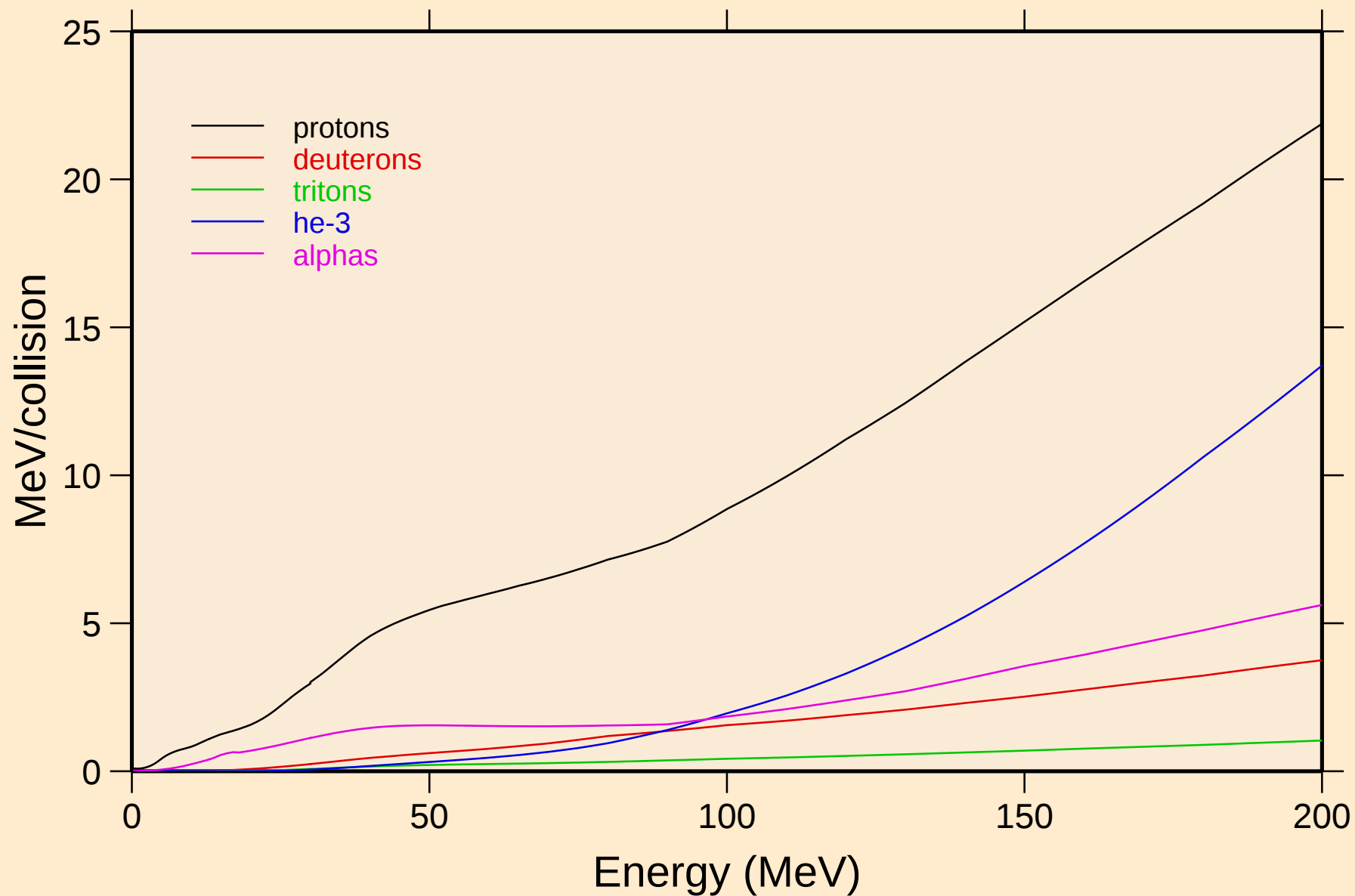


W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



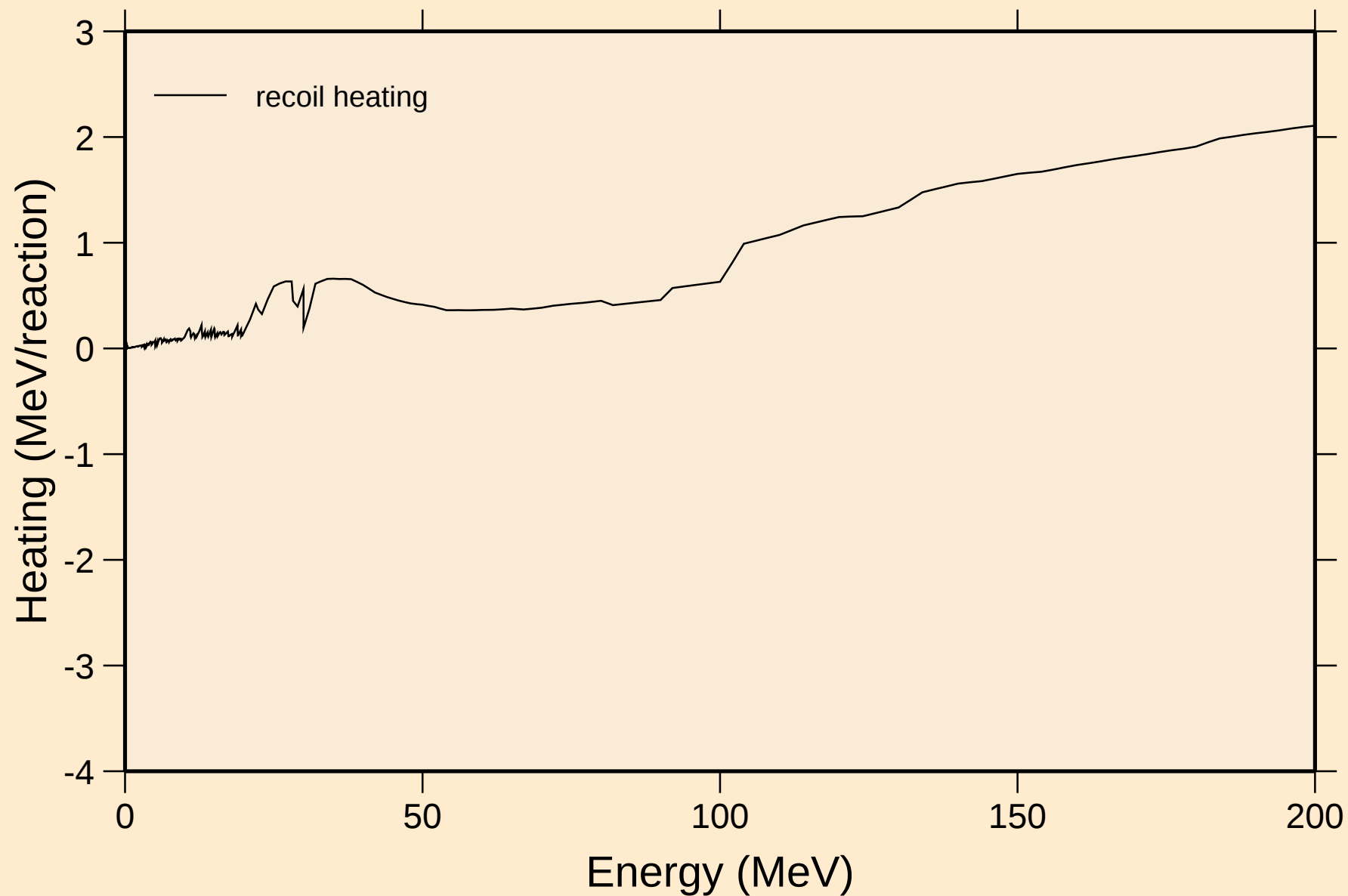
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



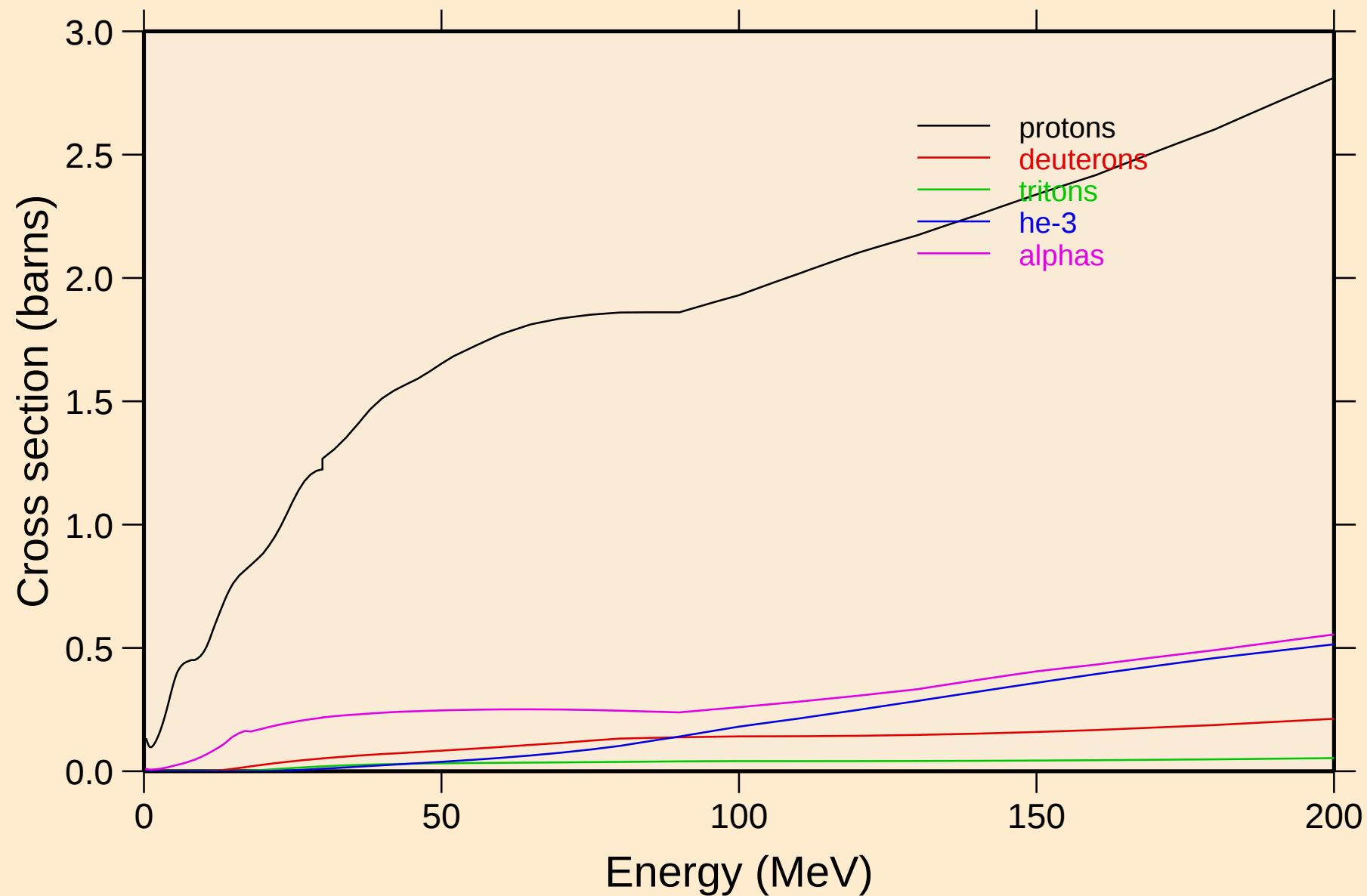
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

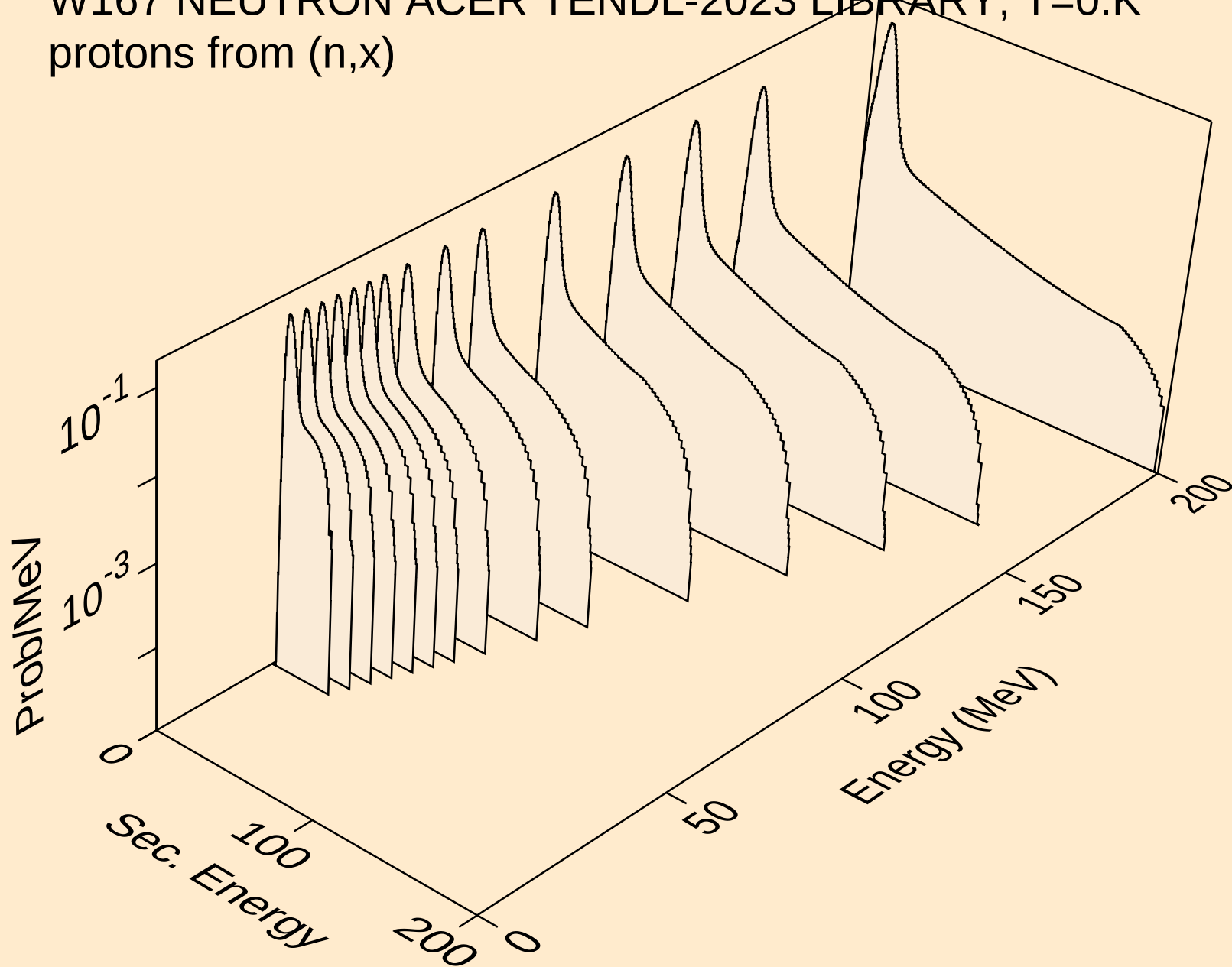


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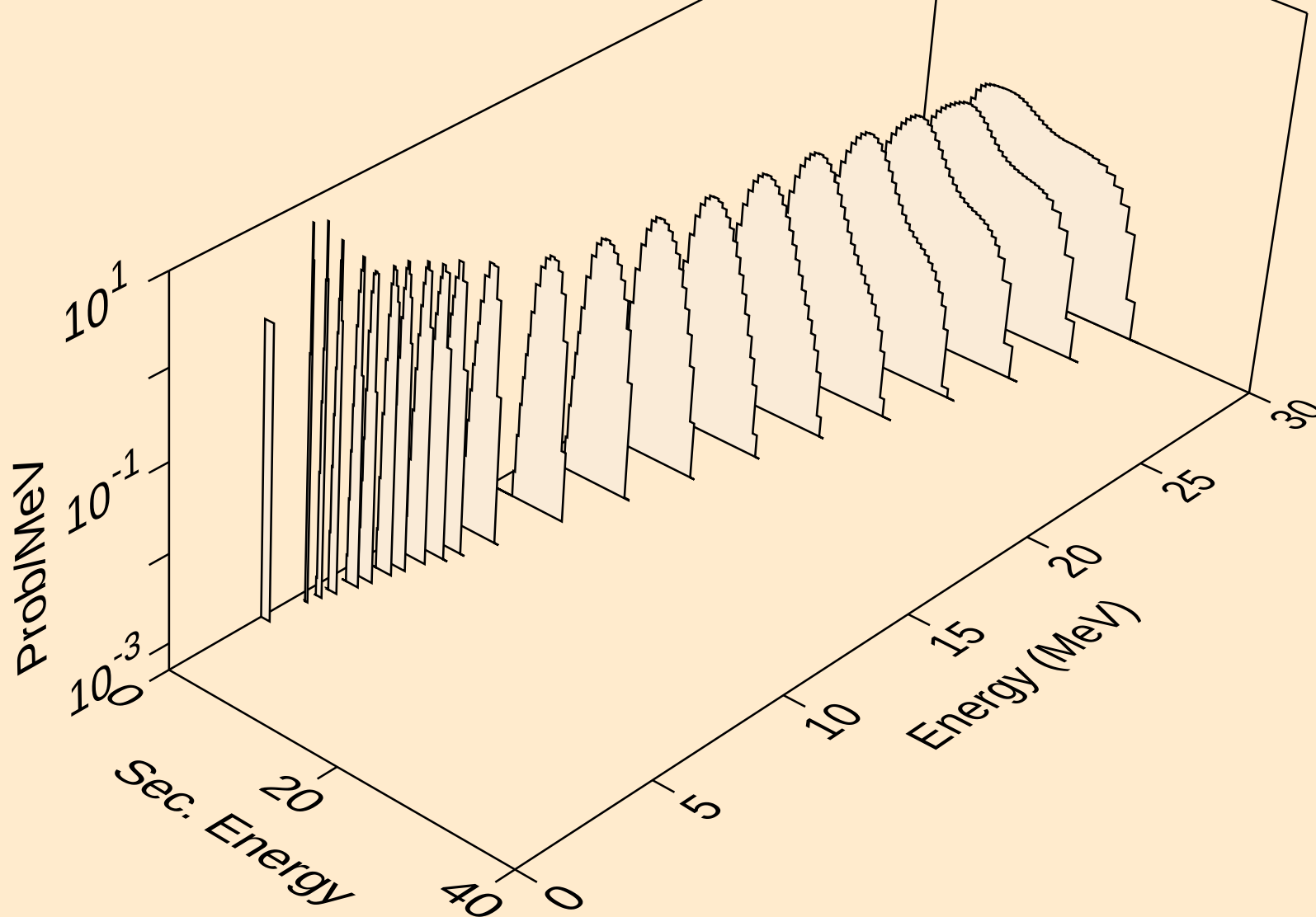
Particle production cross sections



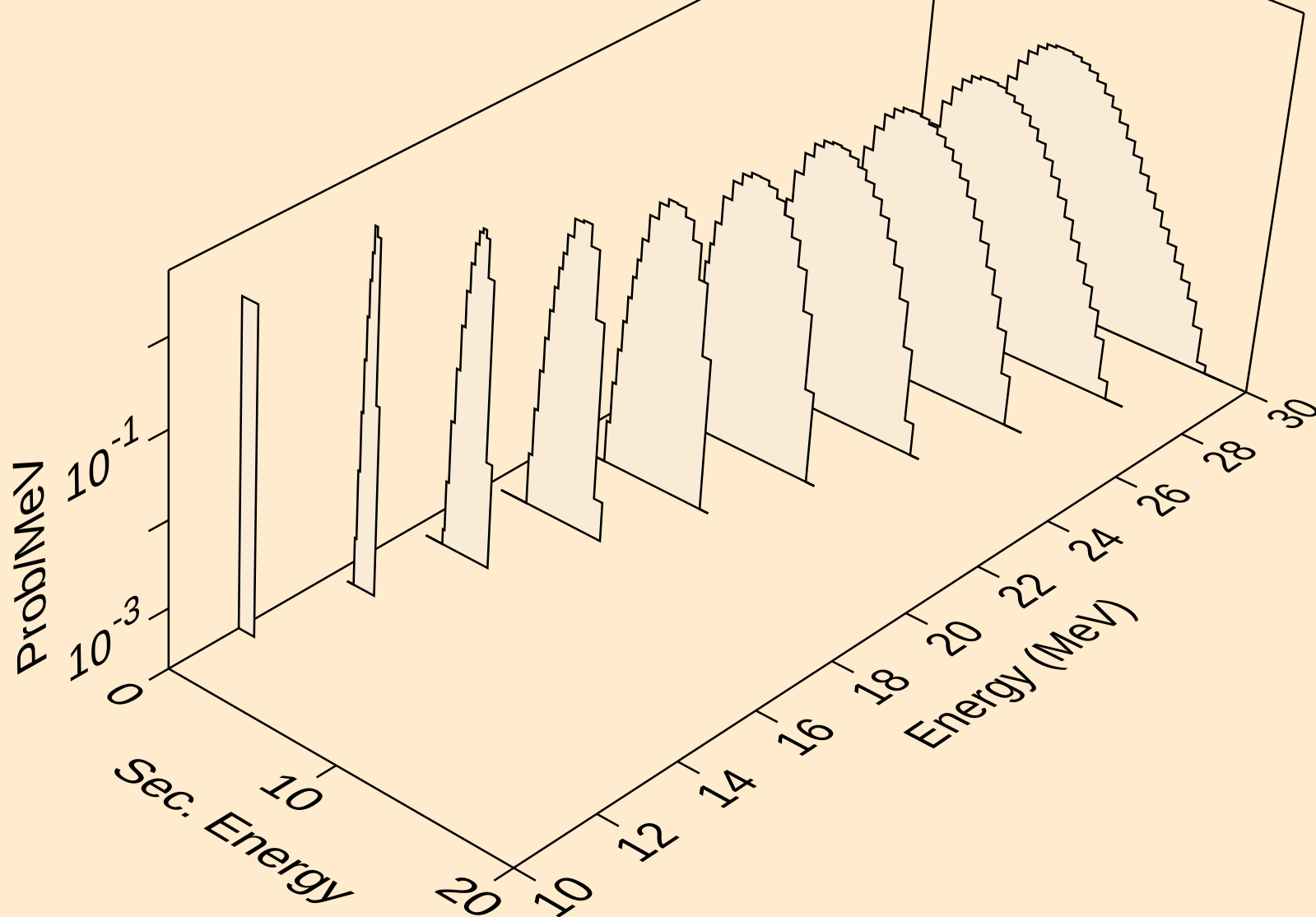
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



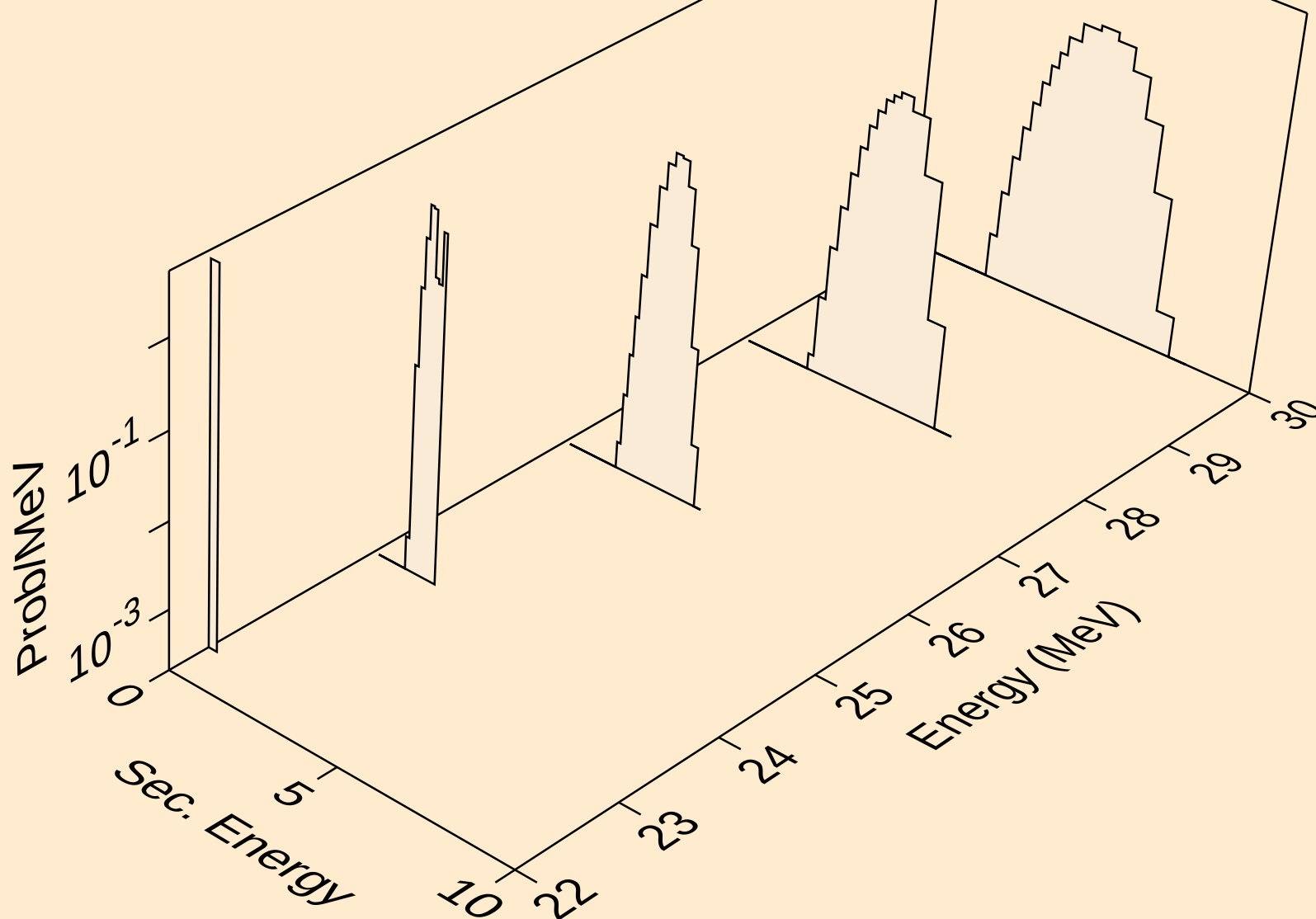
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



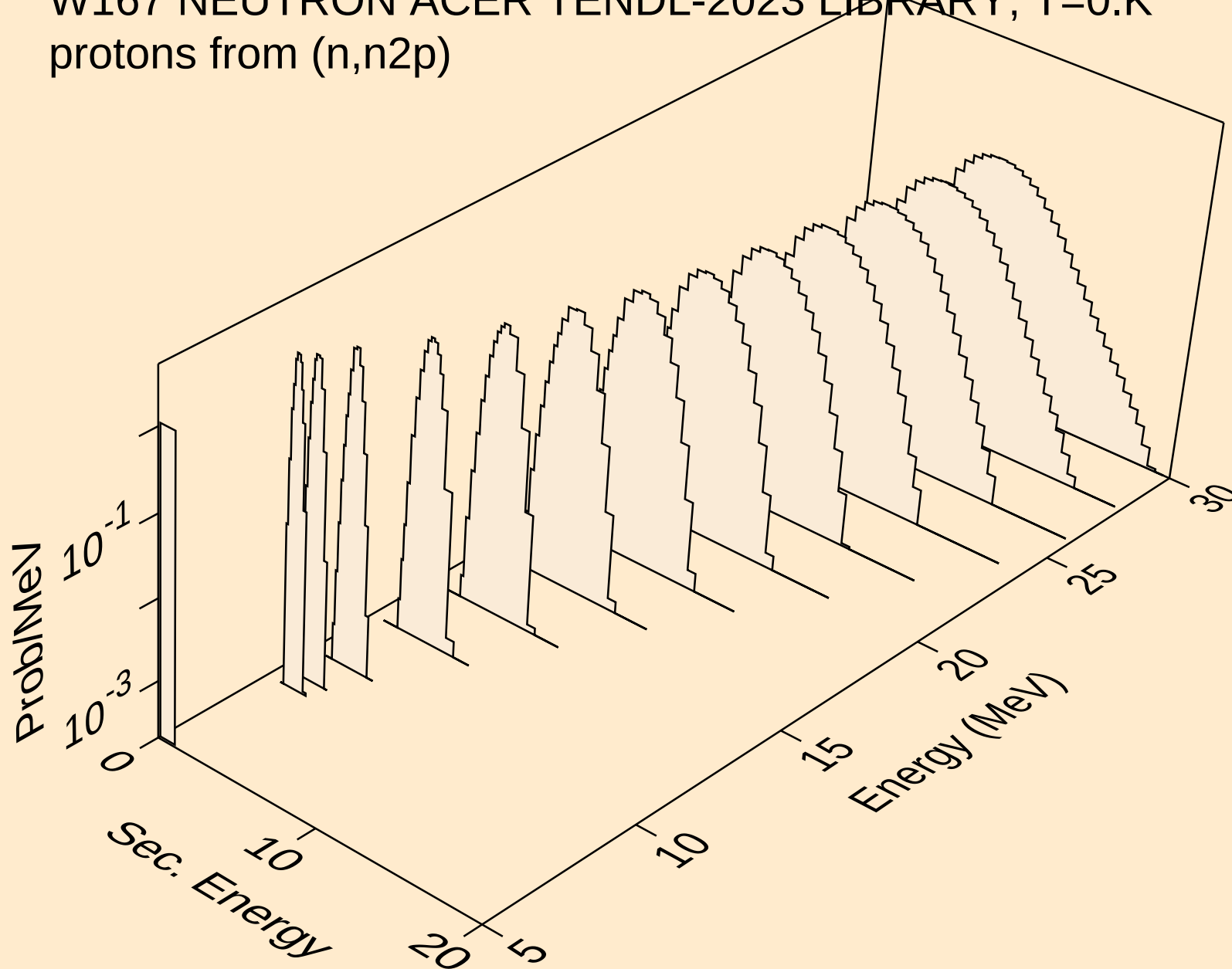
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2np)



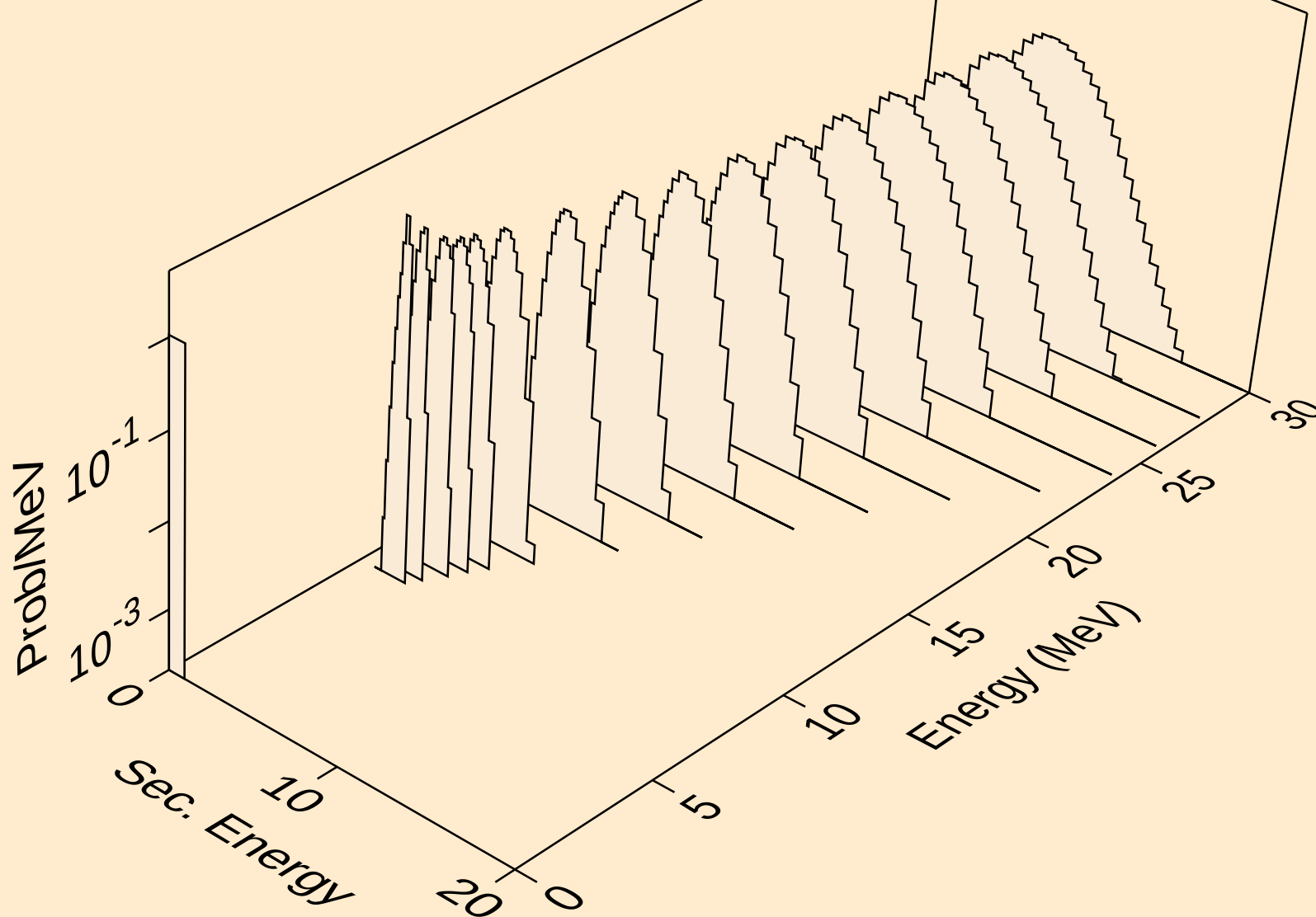
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



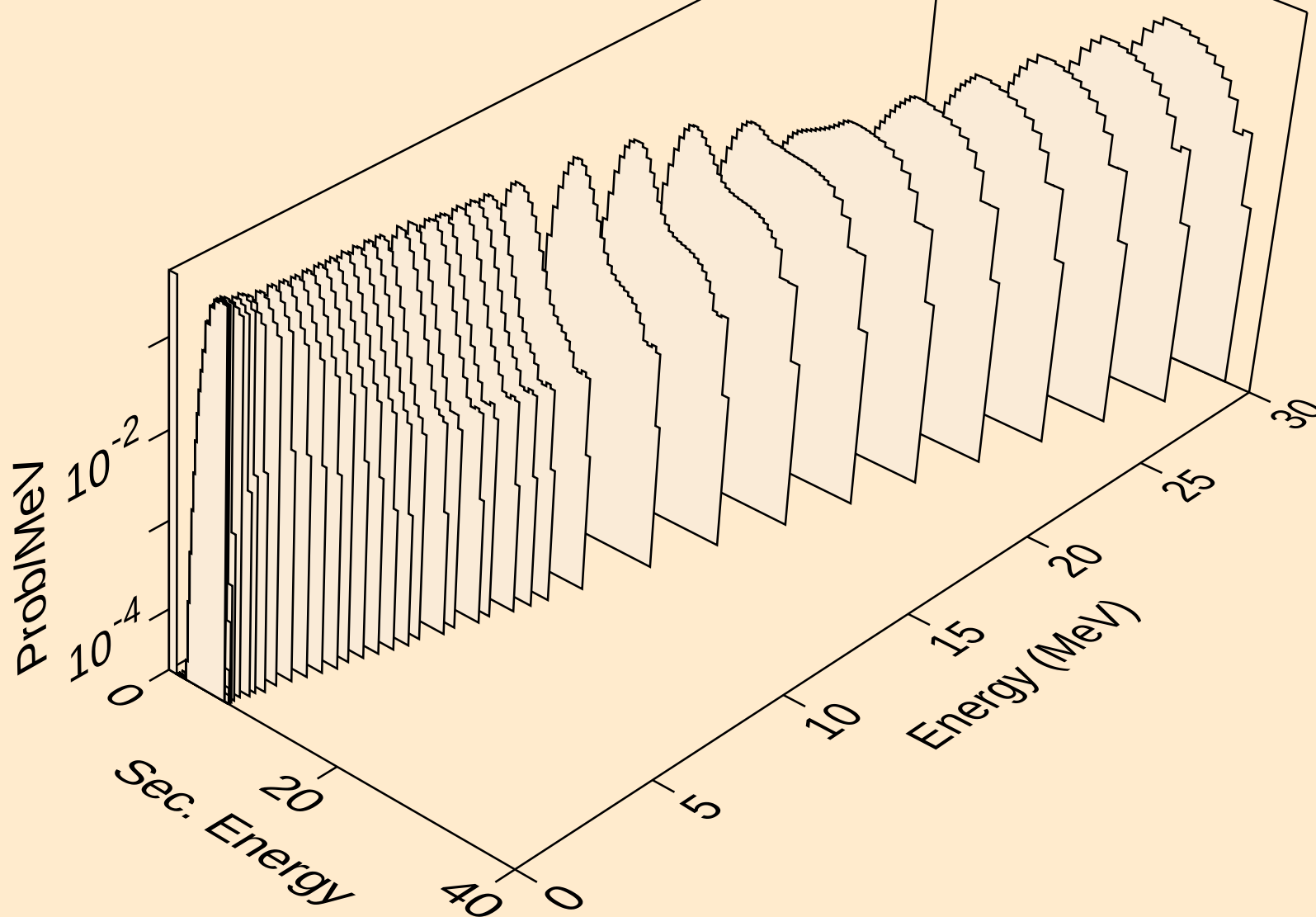
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protons from (n,n2p)



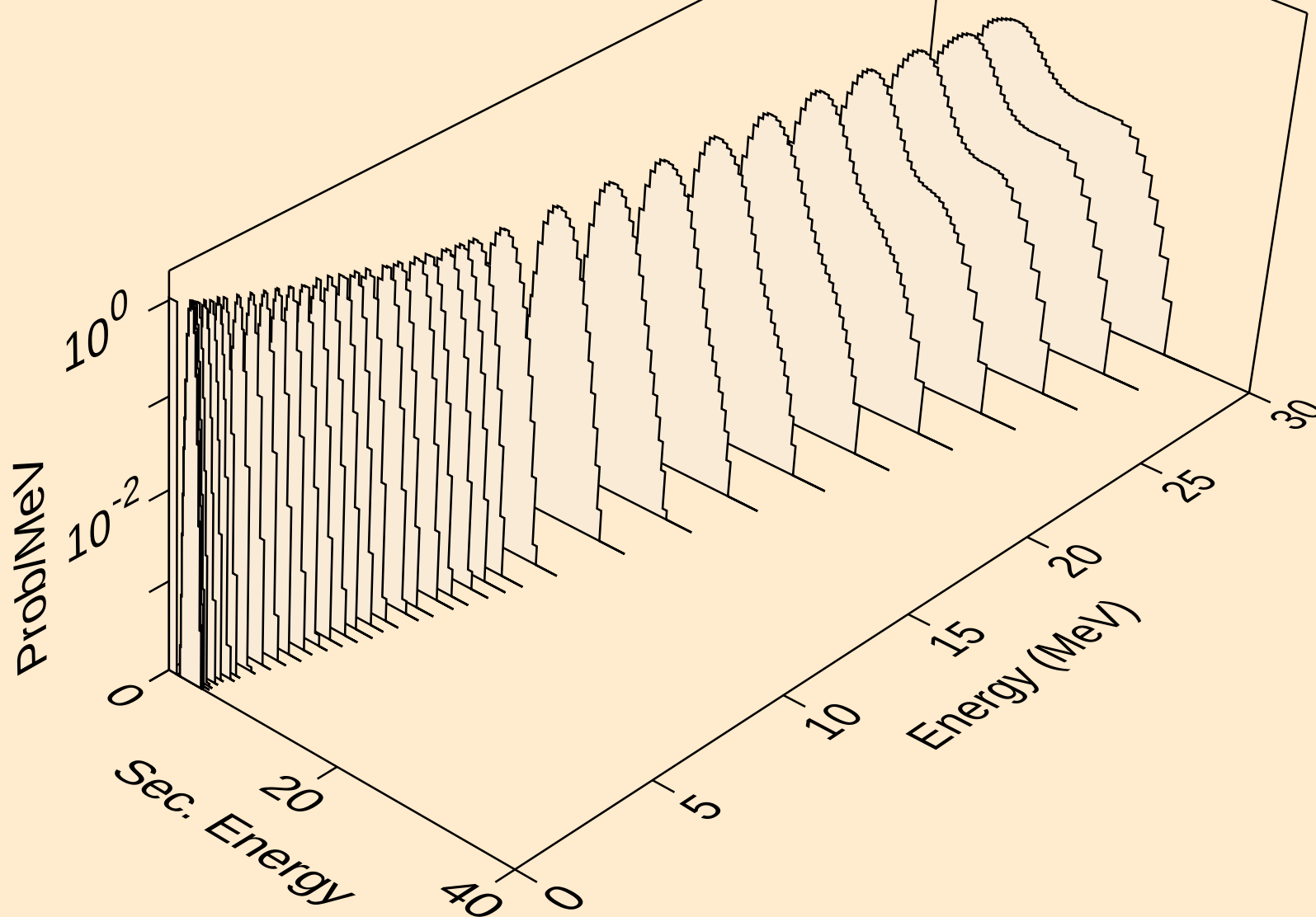
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protons from (n,npa)



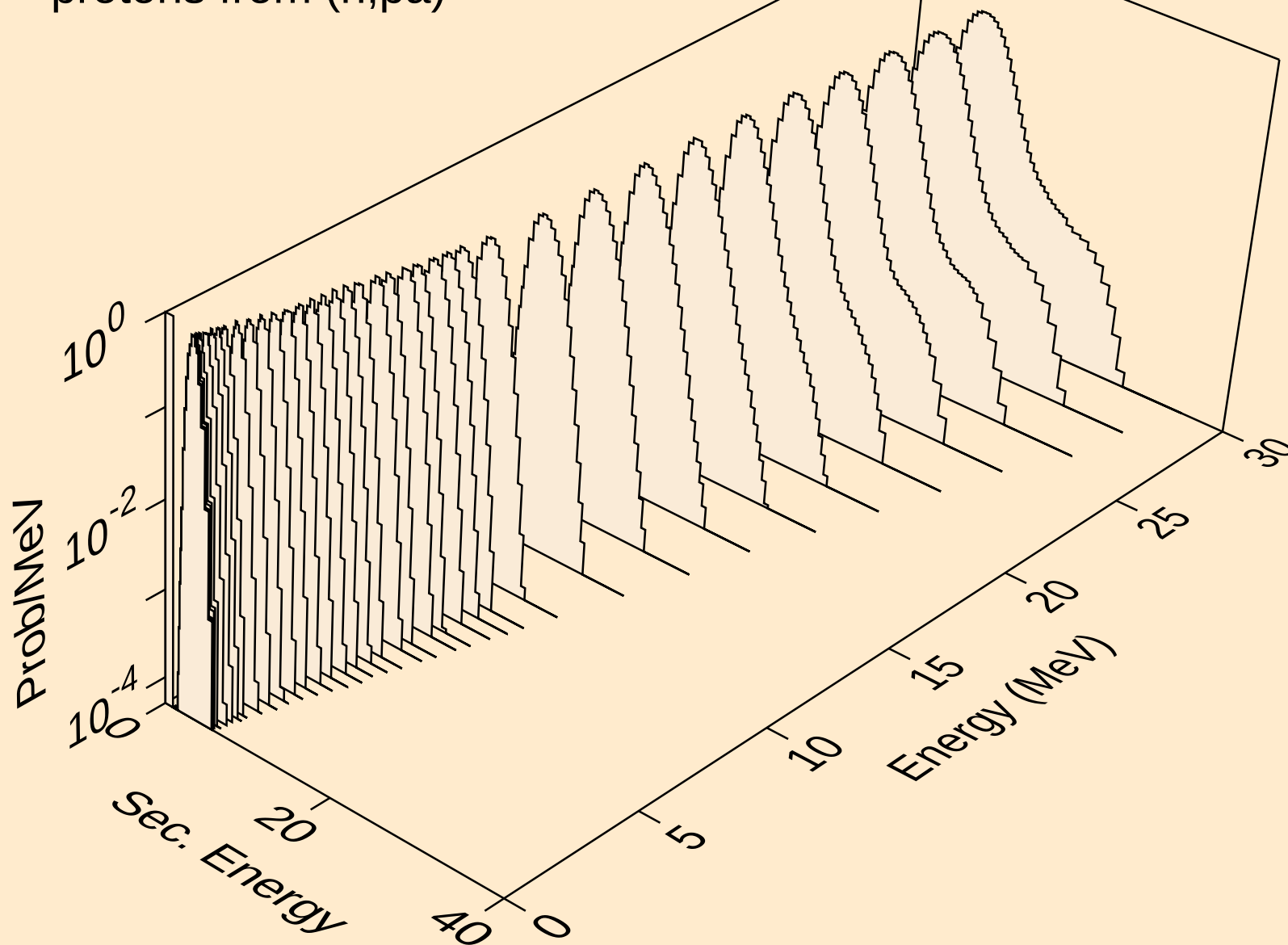
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protons from (n,p)



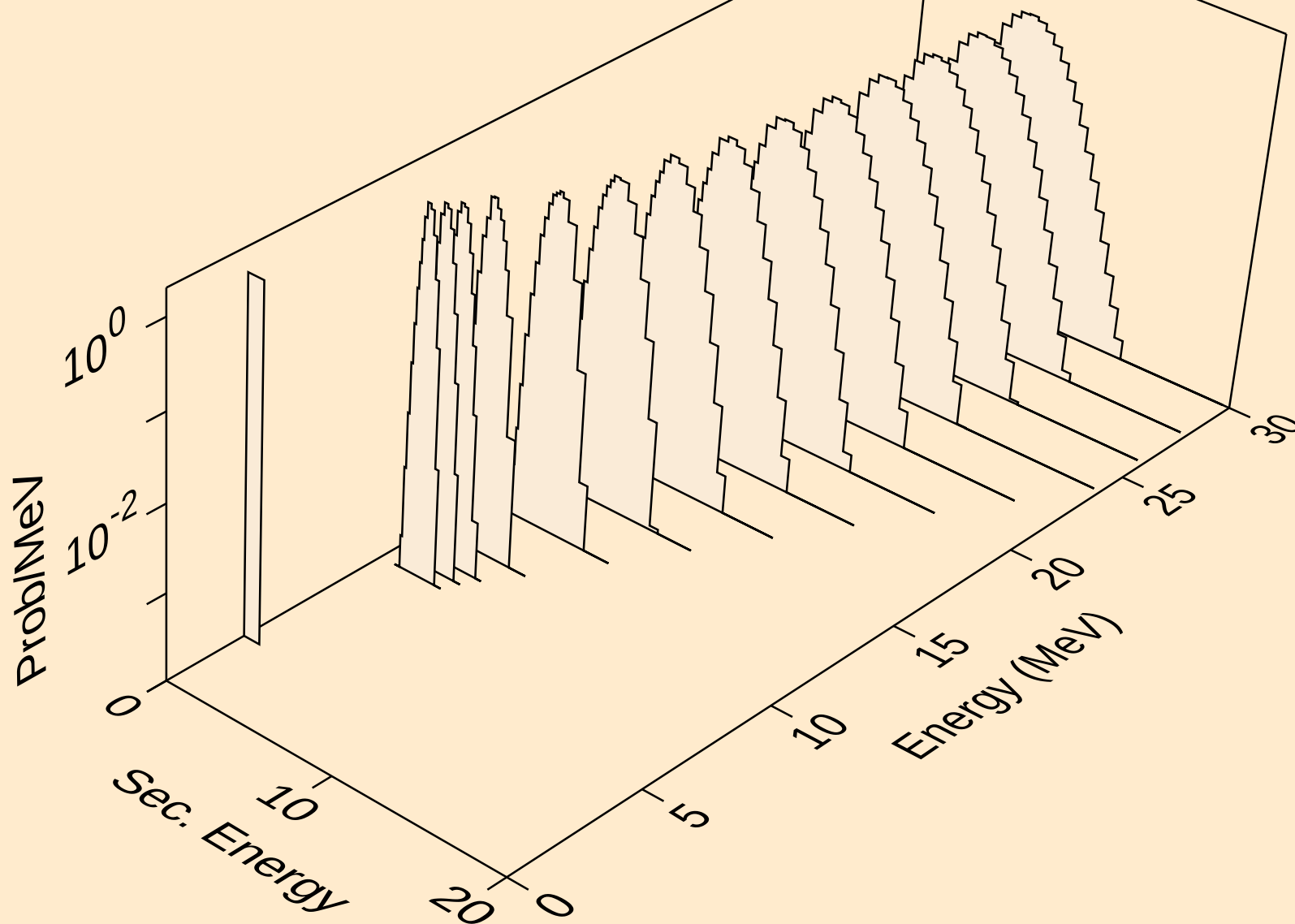
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protons from (n,2p)



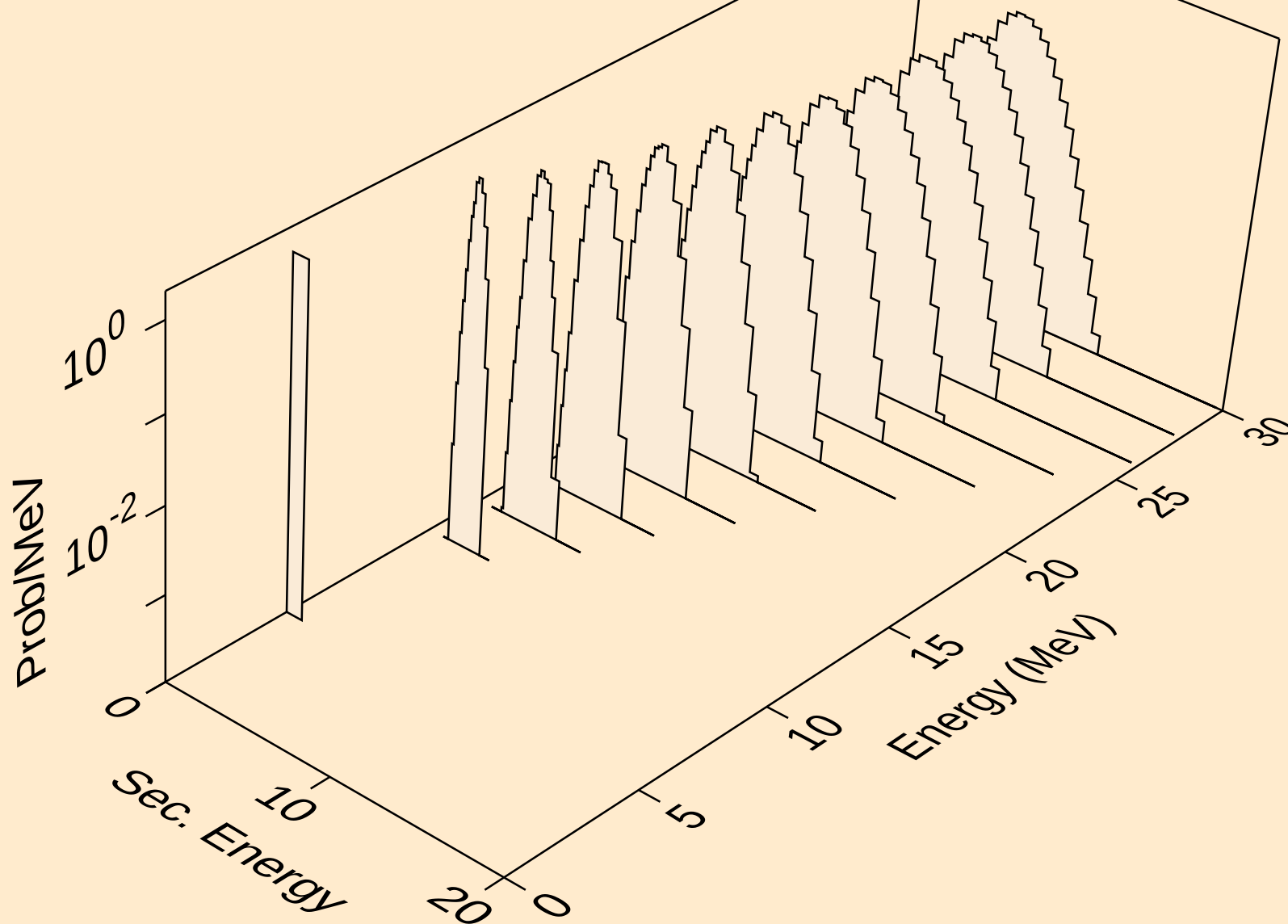
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protons from (n,p)



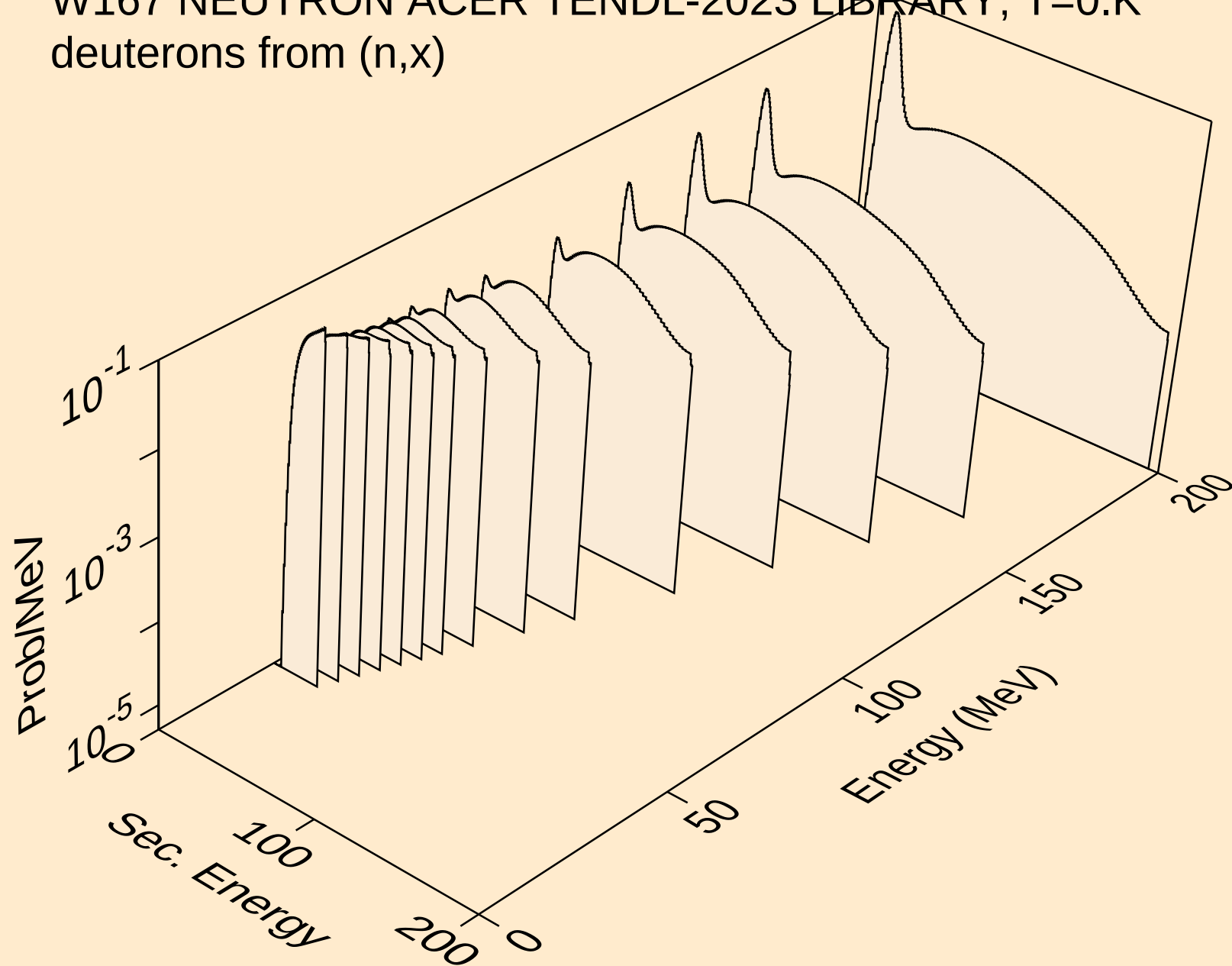
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,pd)



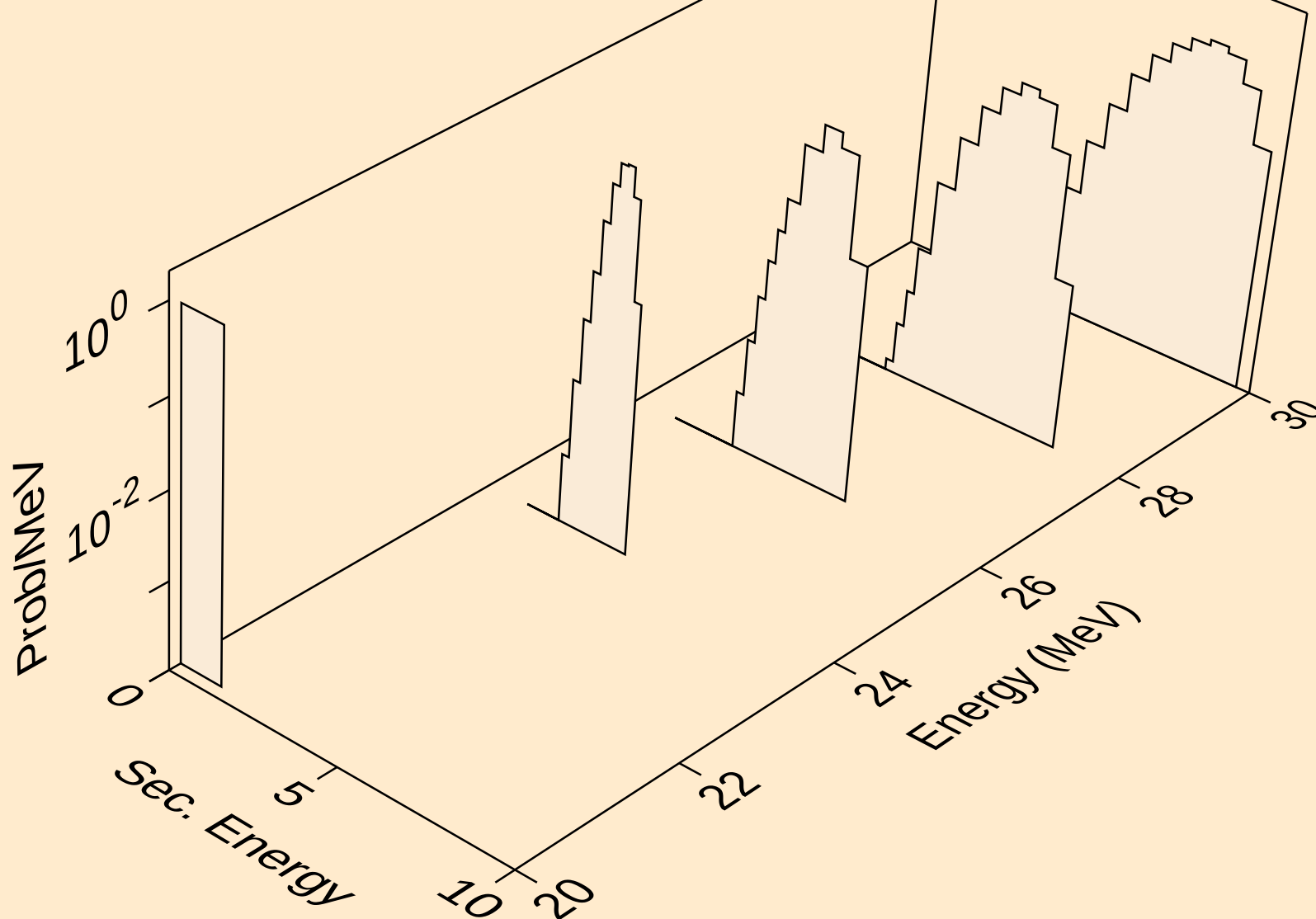
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protons from (n,pt)



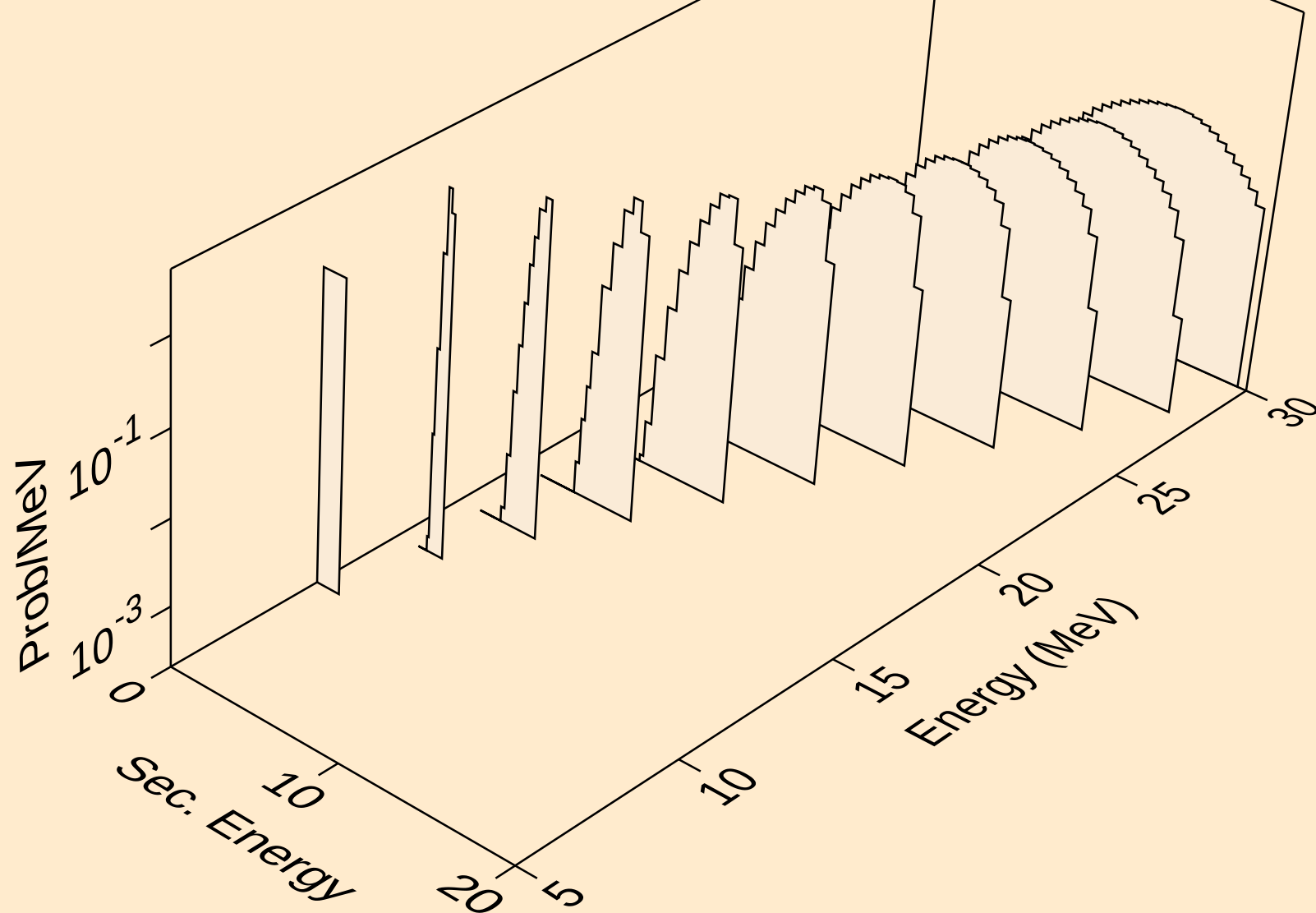
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



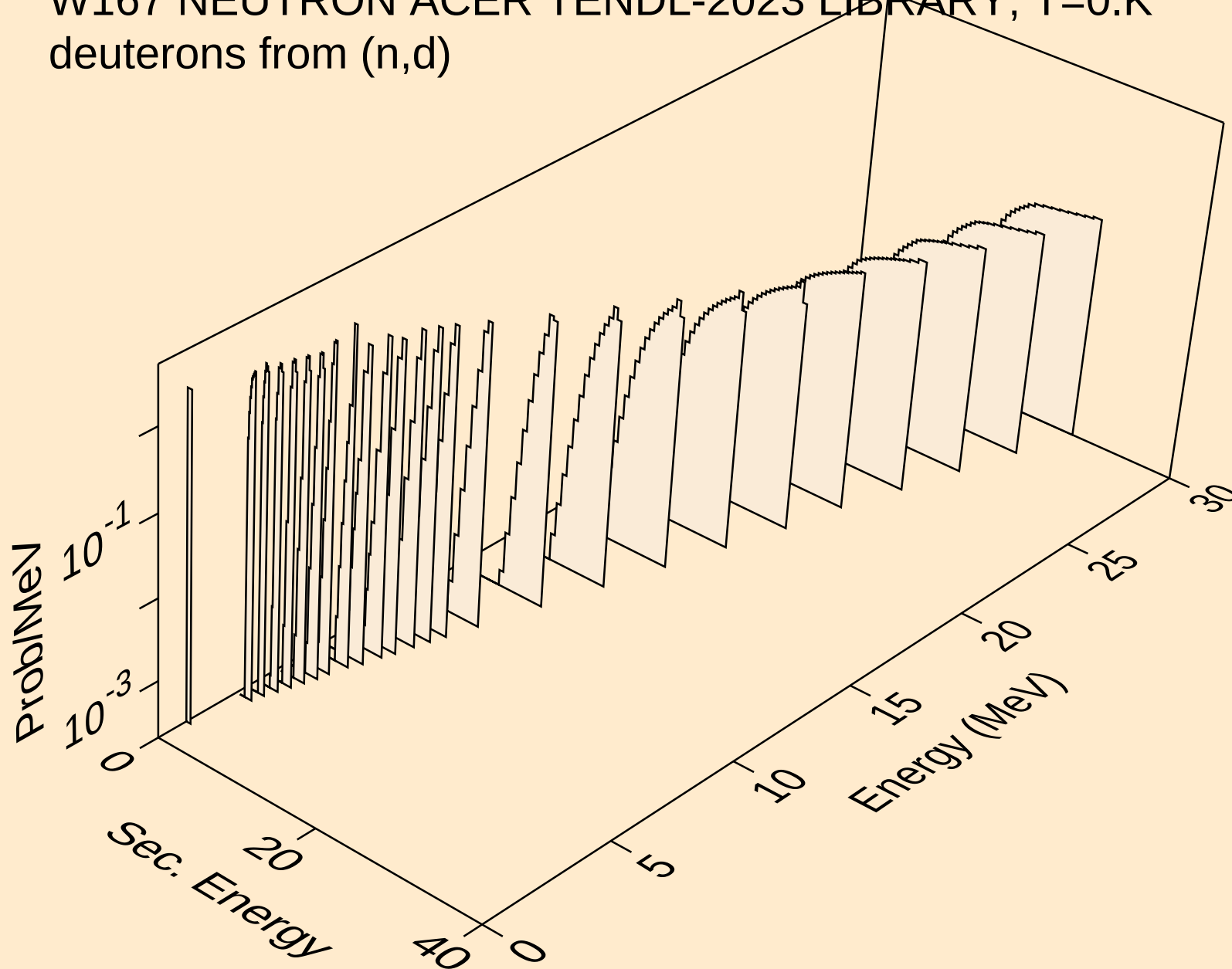
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deuterons from (n,2nd)



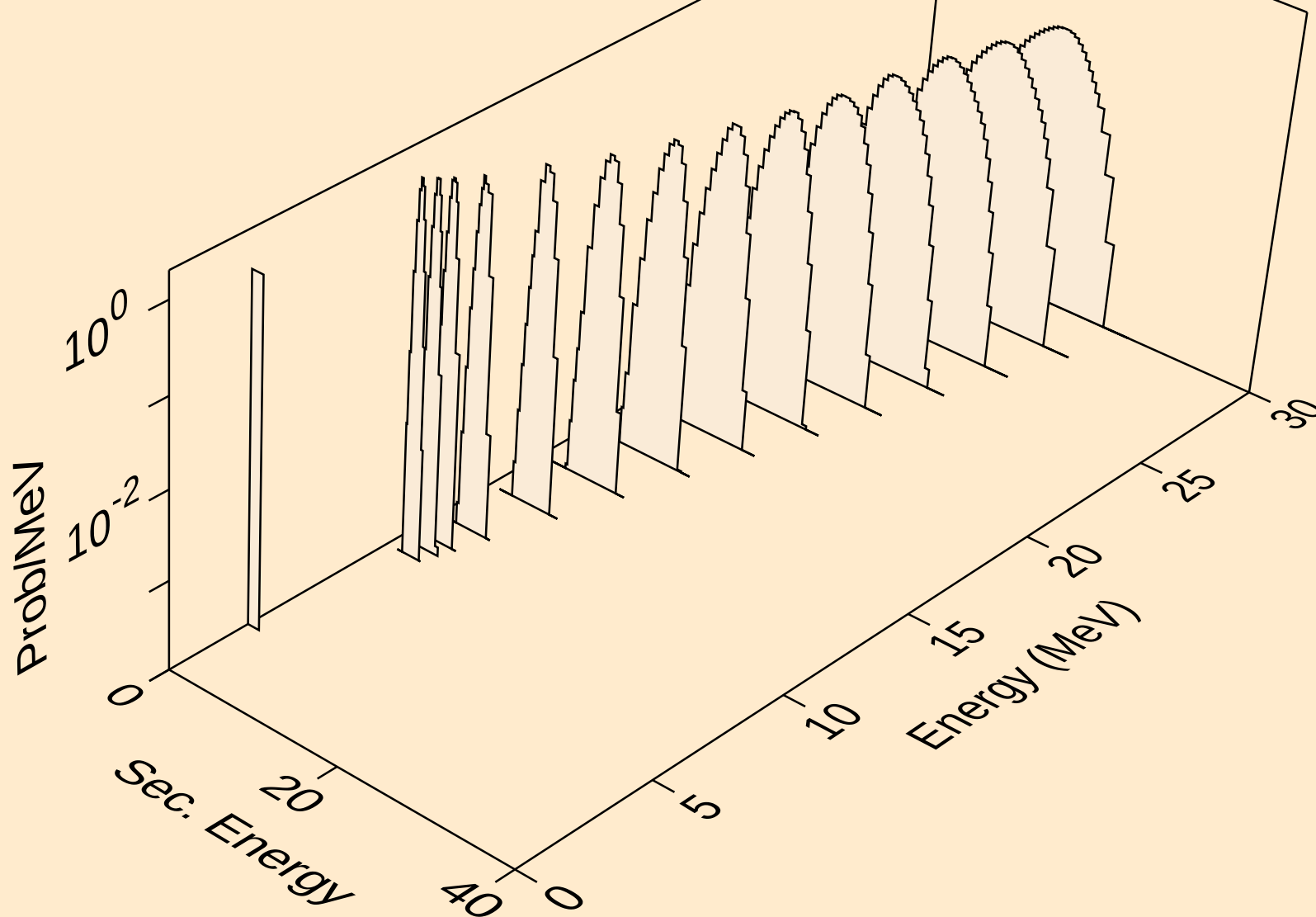
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deuterons from (n,n*)d



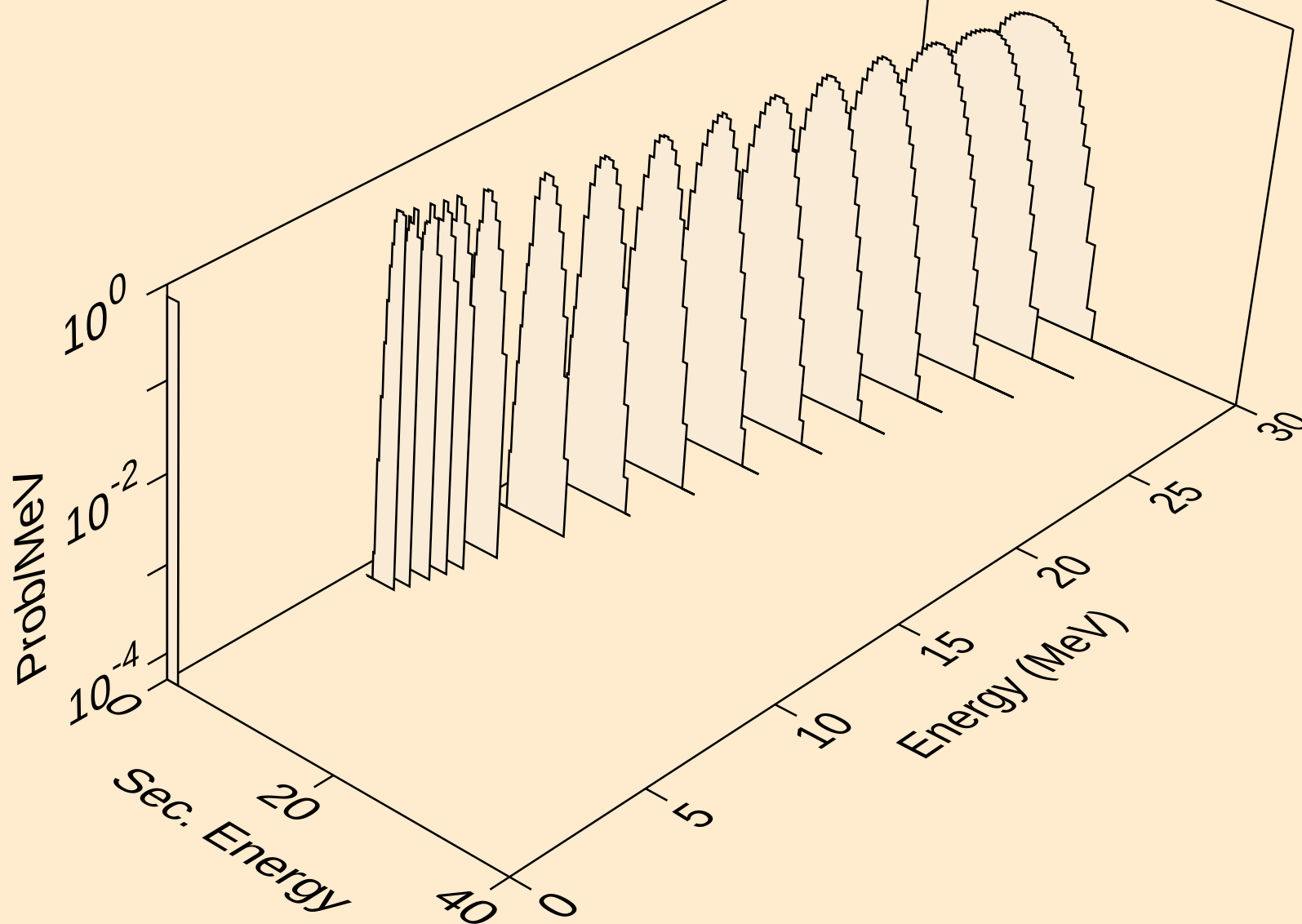
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



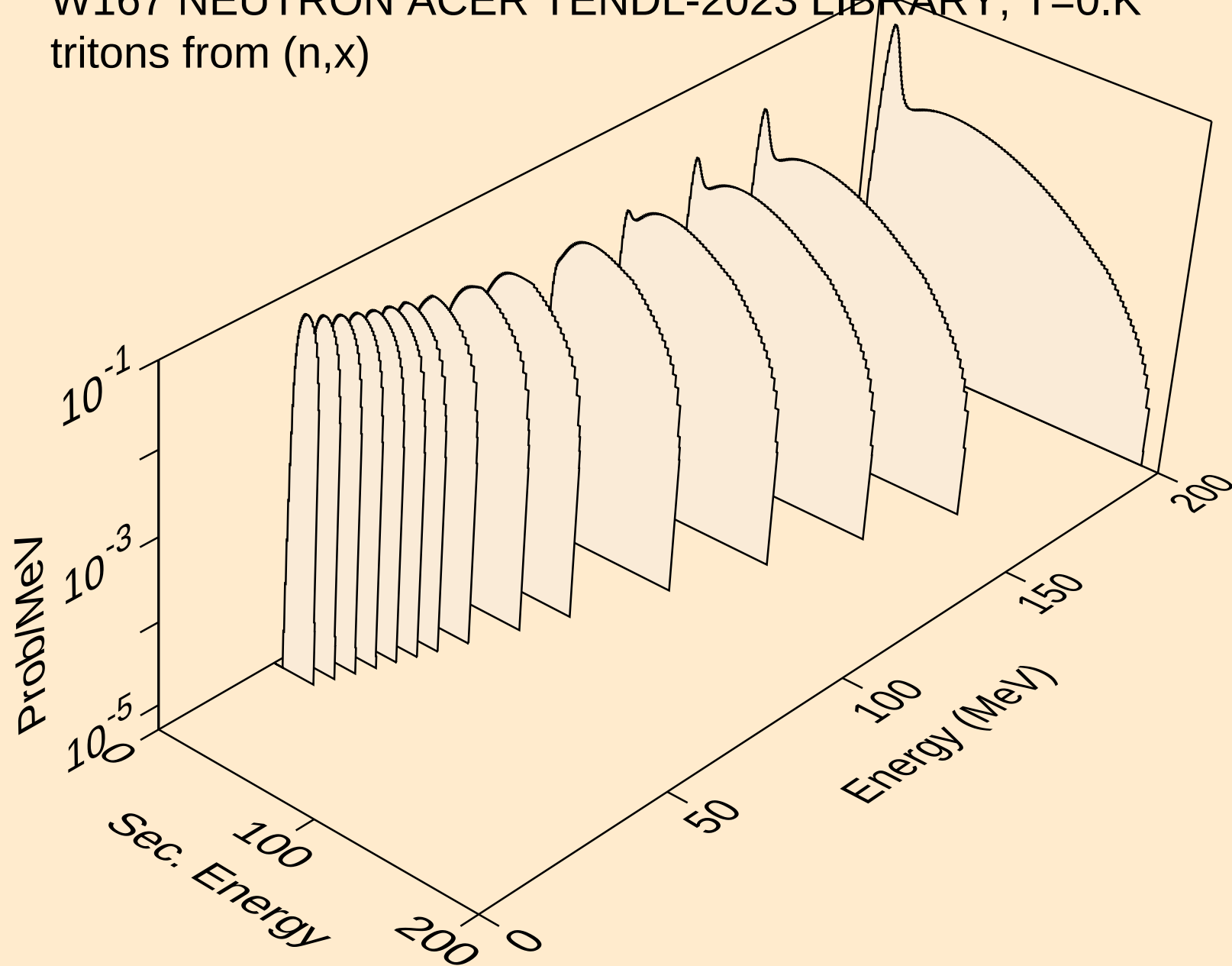
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



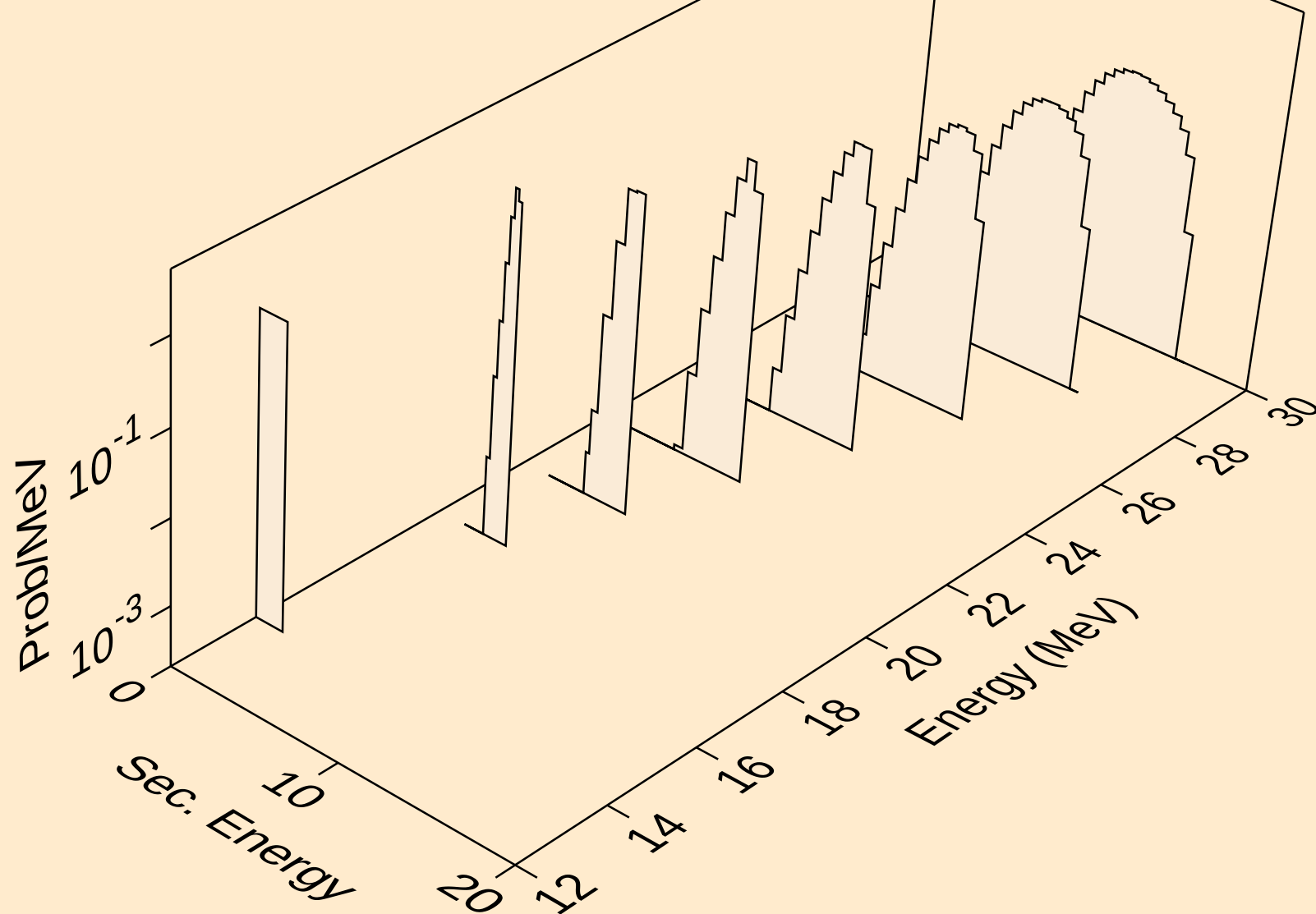
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deuterons from (n,da)



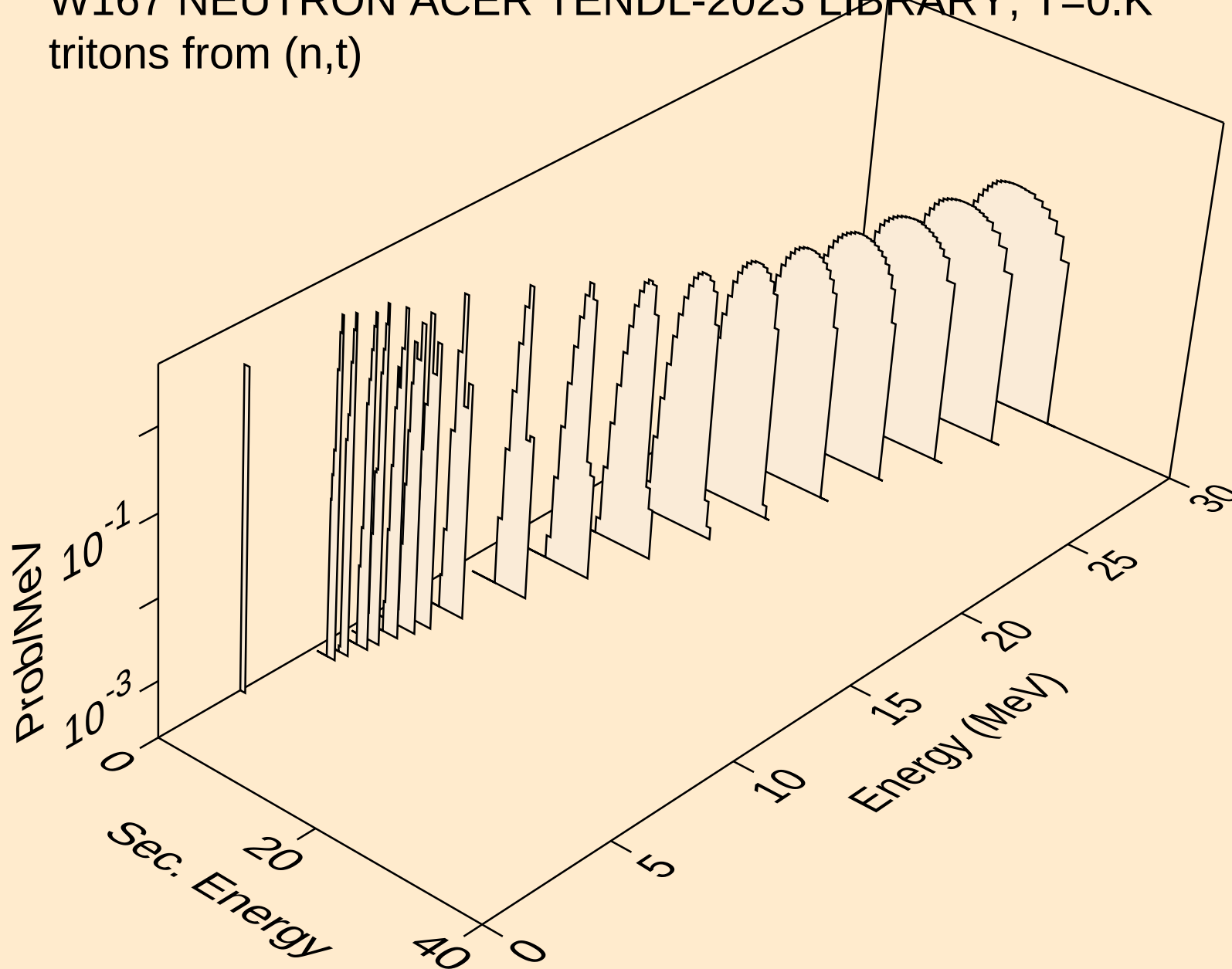
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



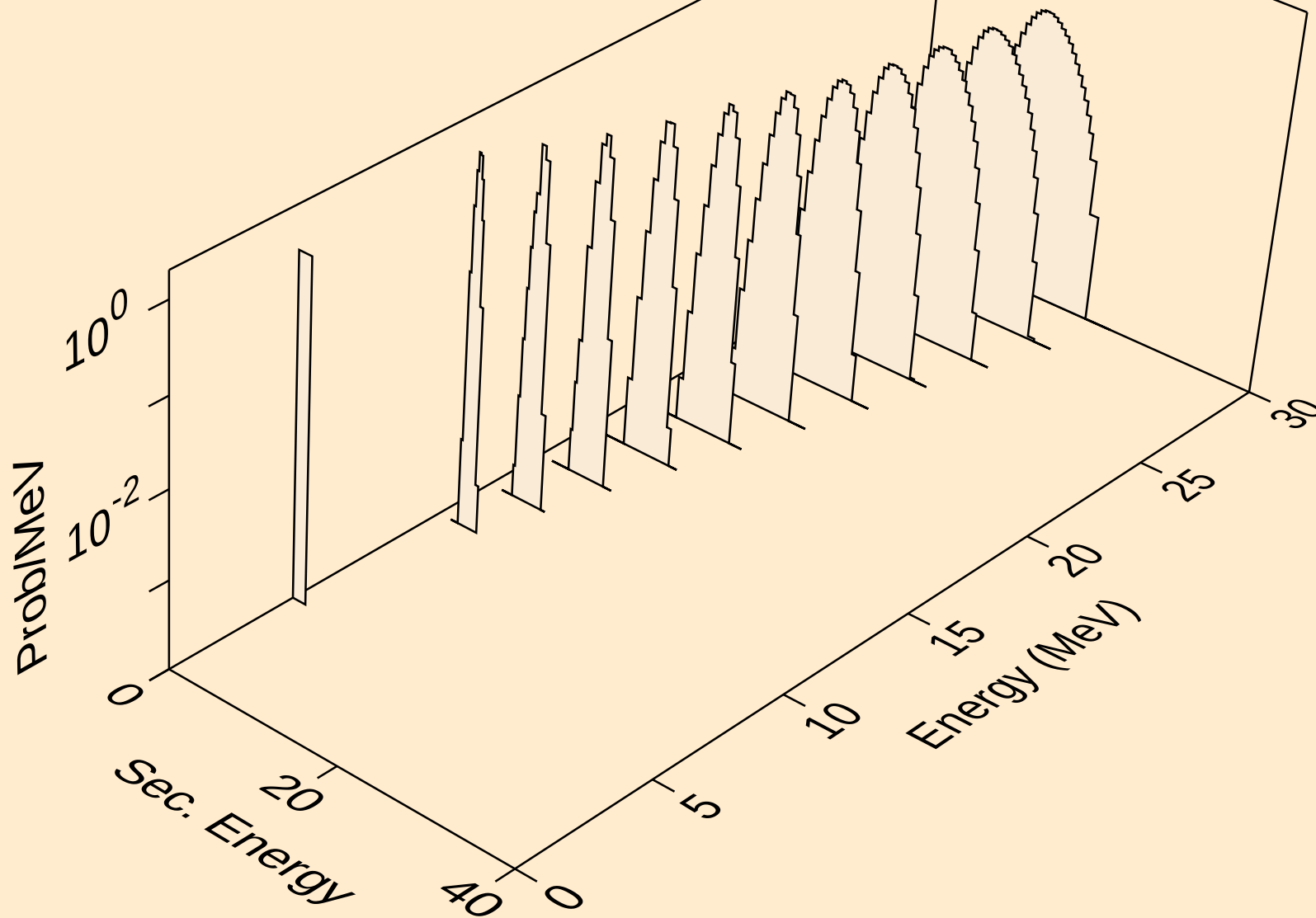
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



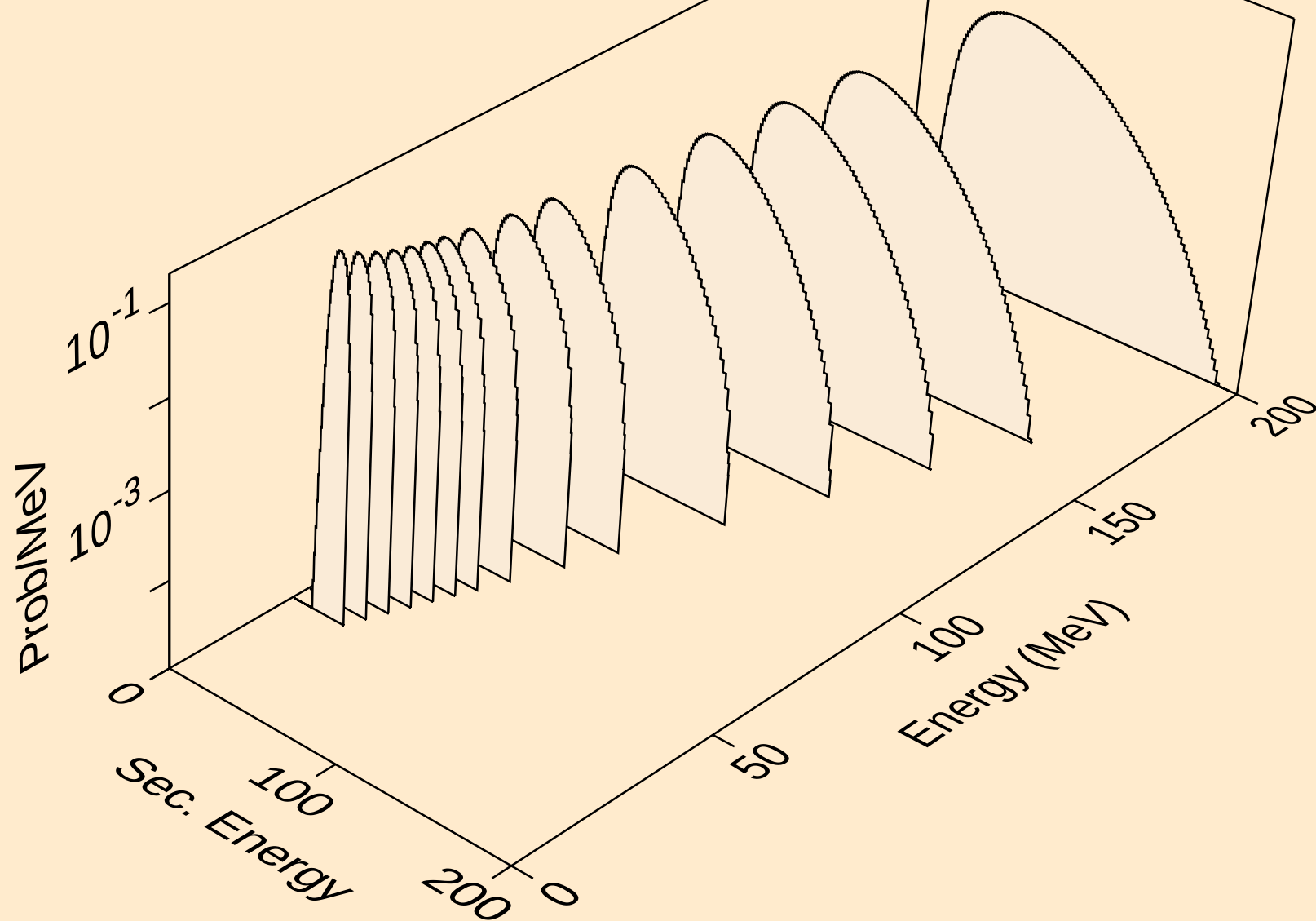
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,t)



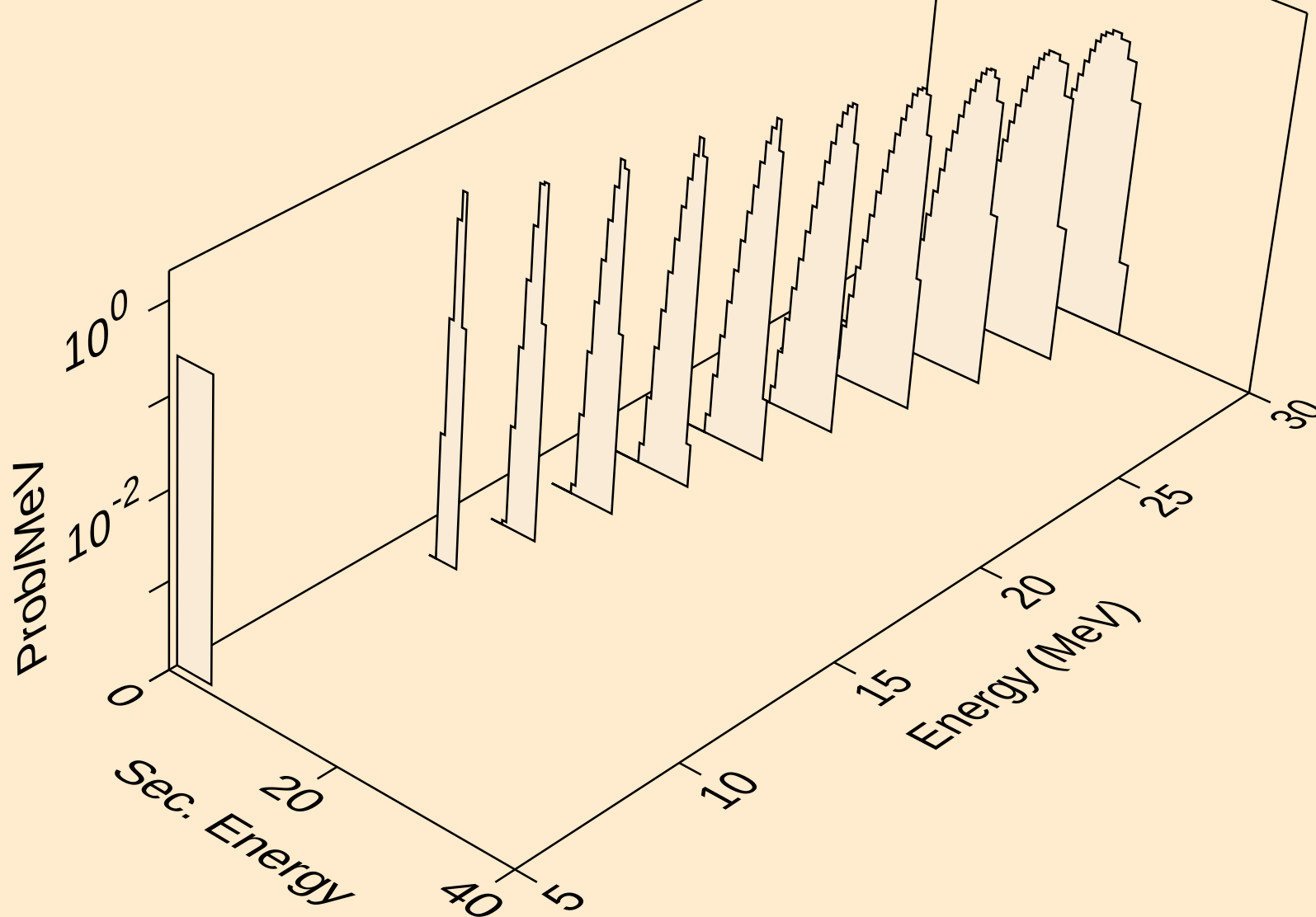
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,pt)



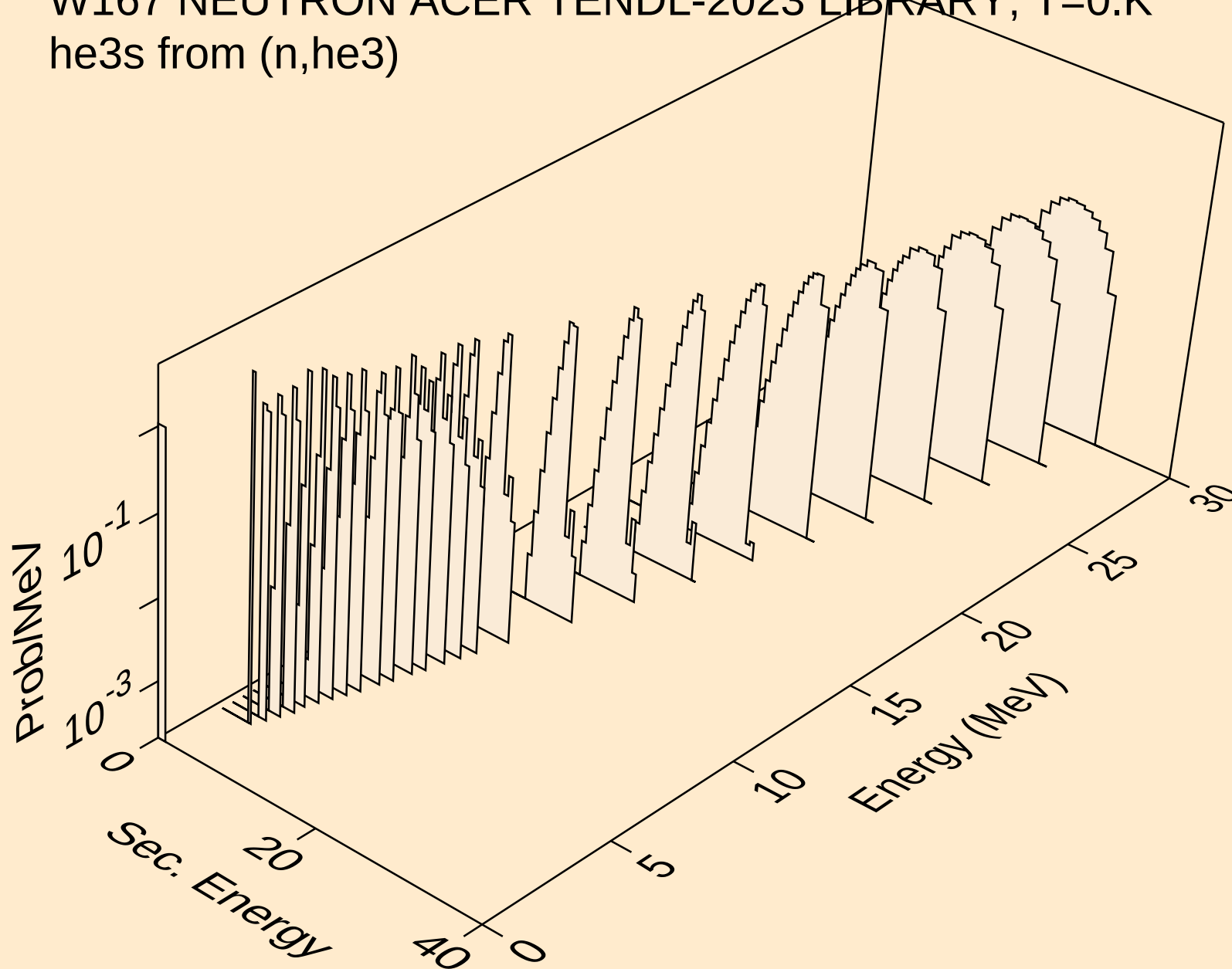
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



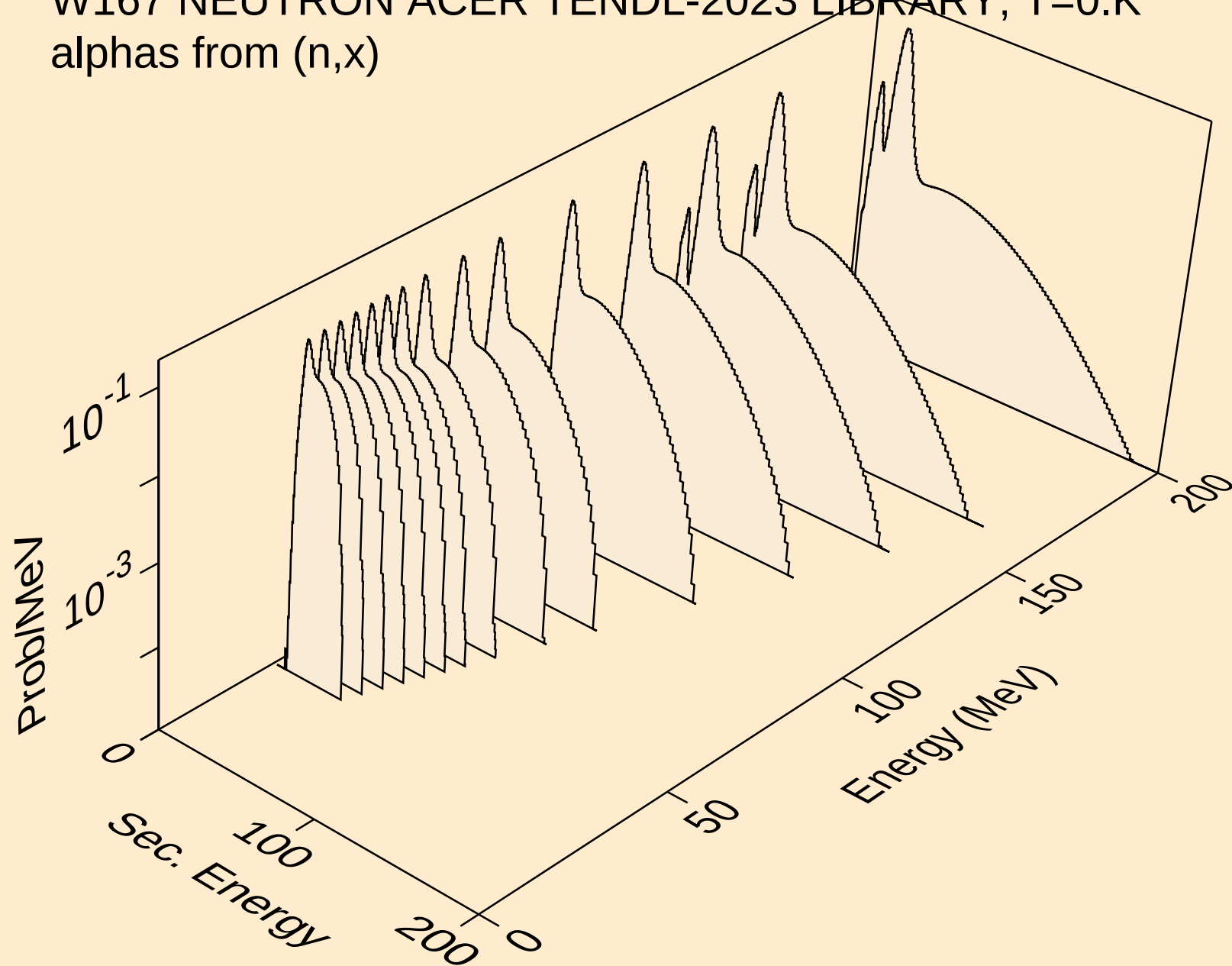
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



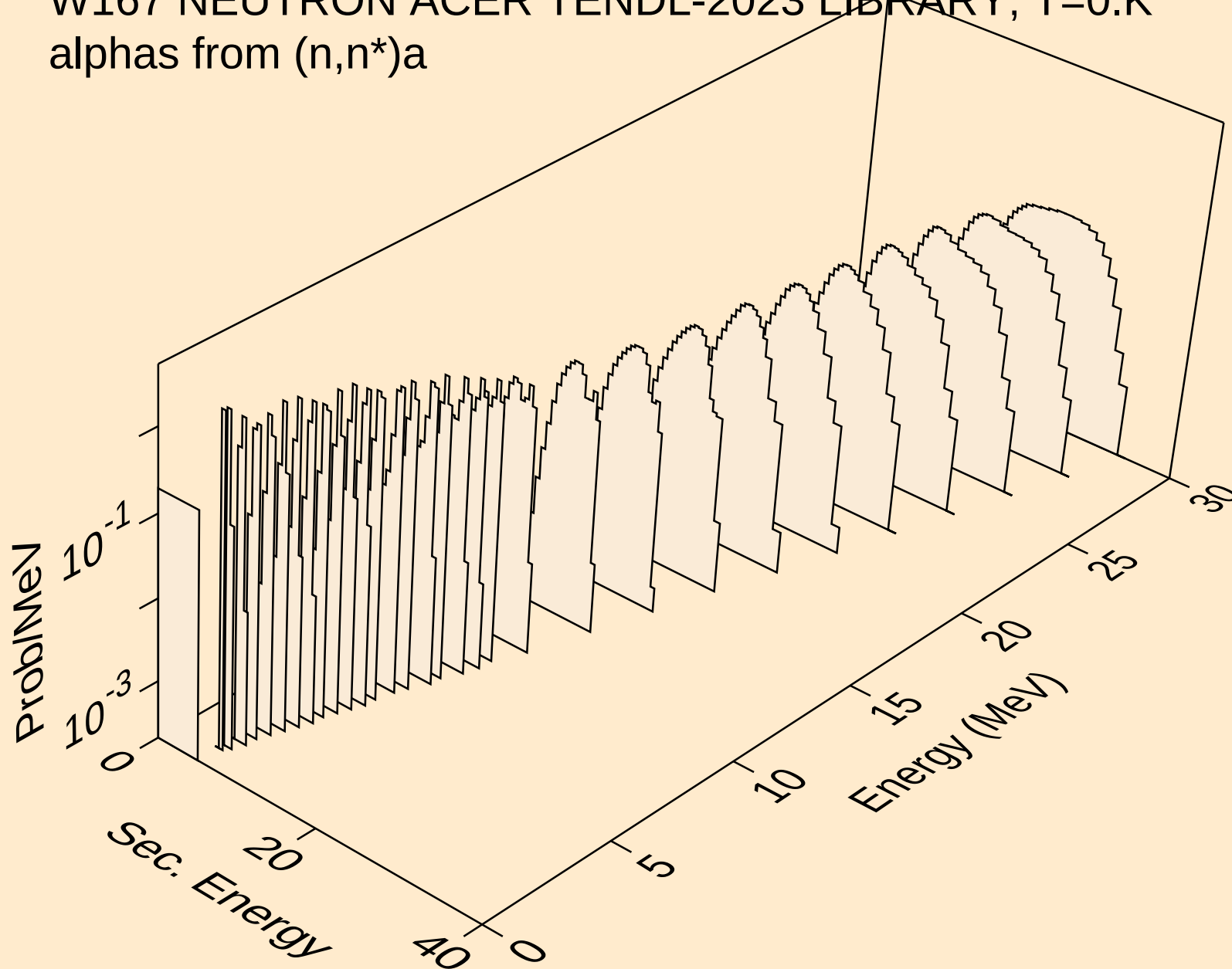
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,he3)



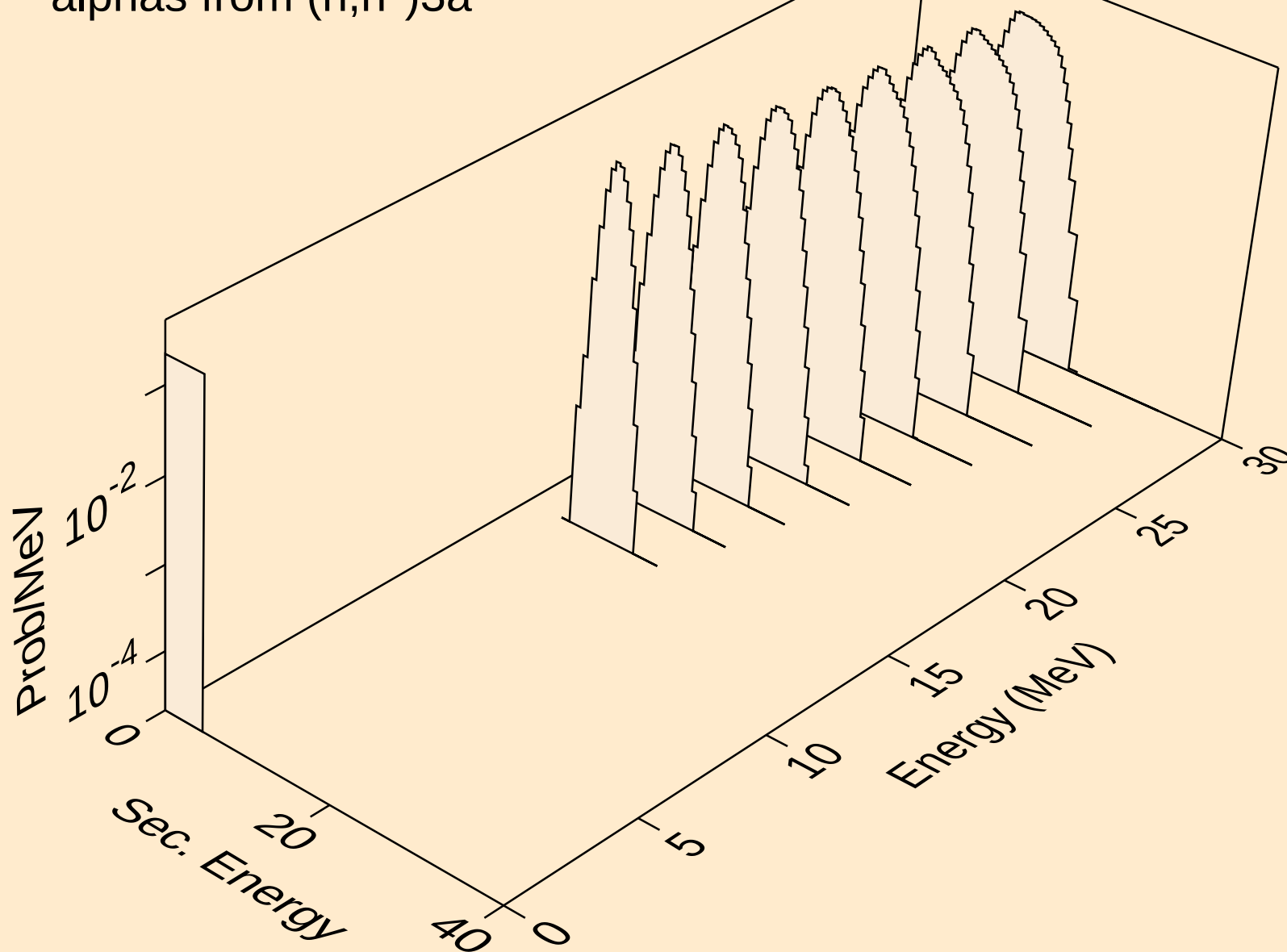
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



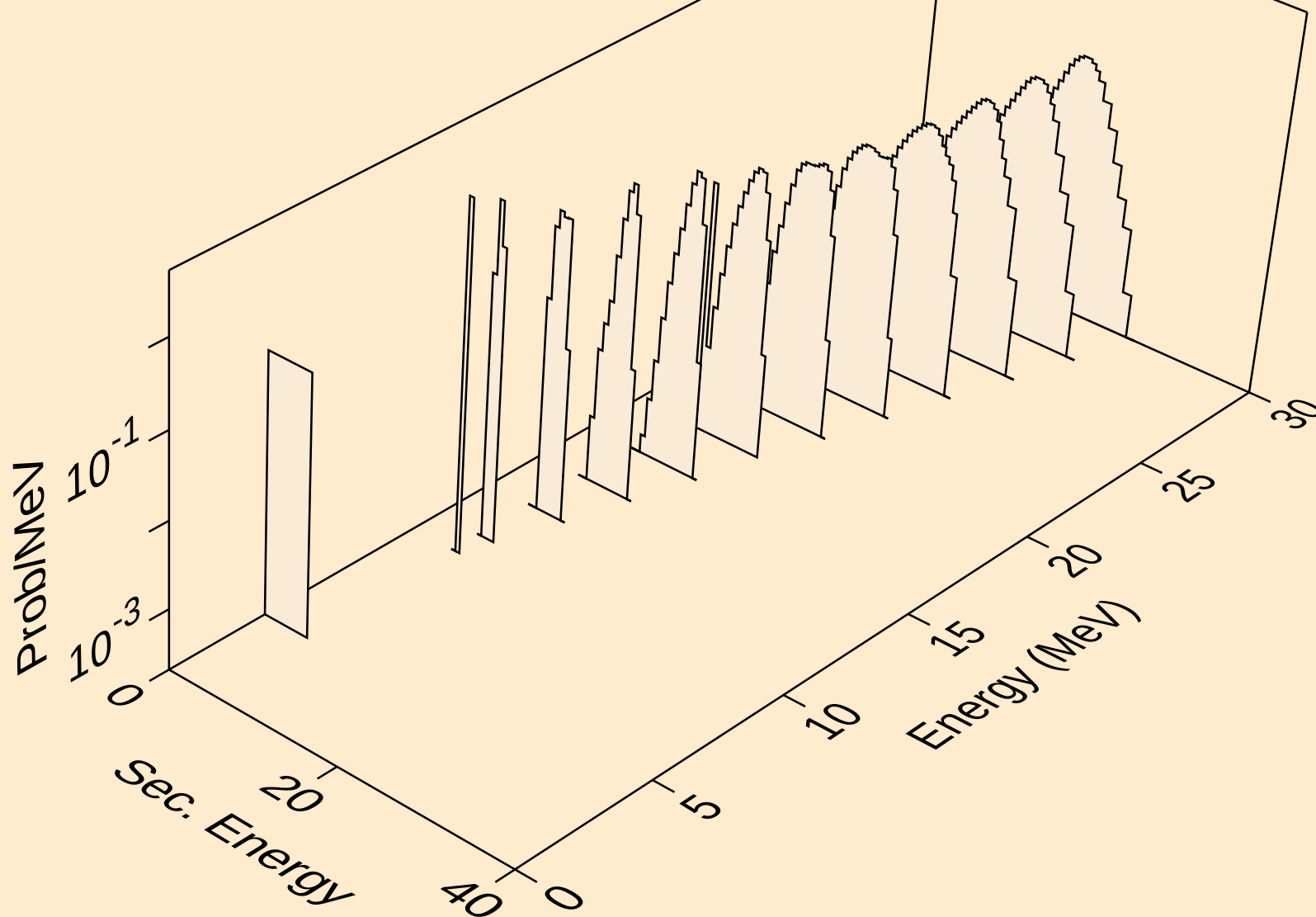
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



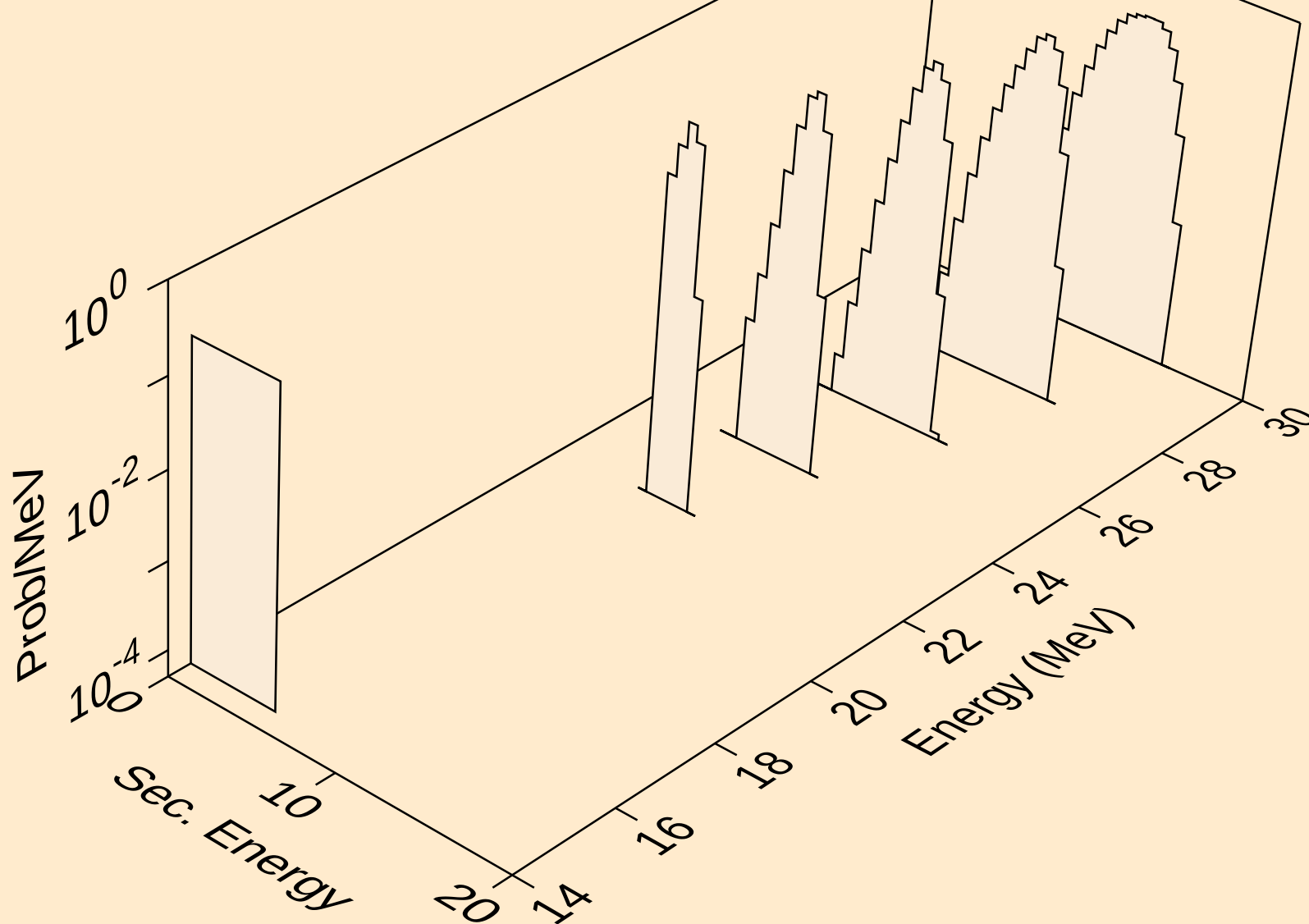
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)3a



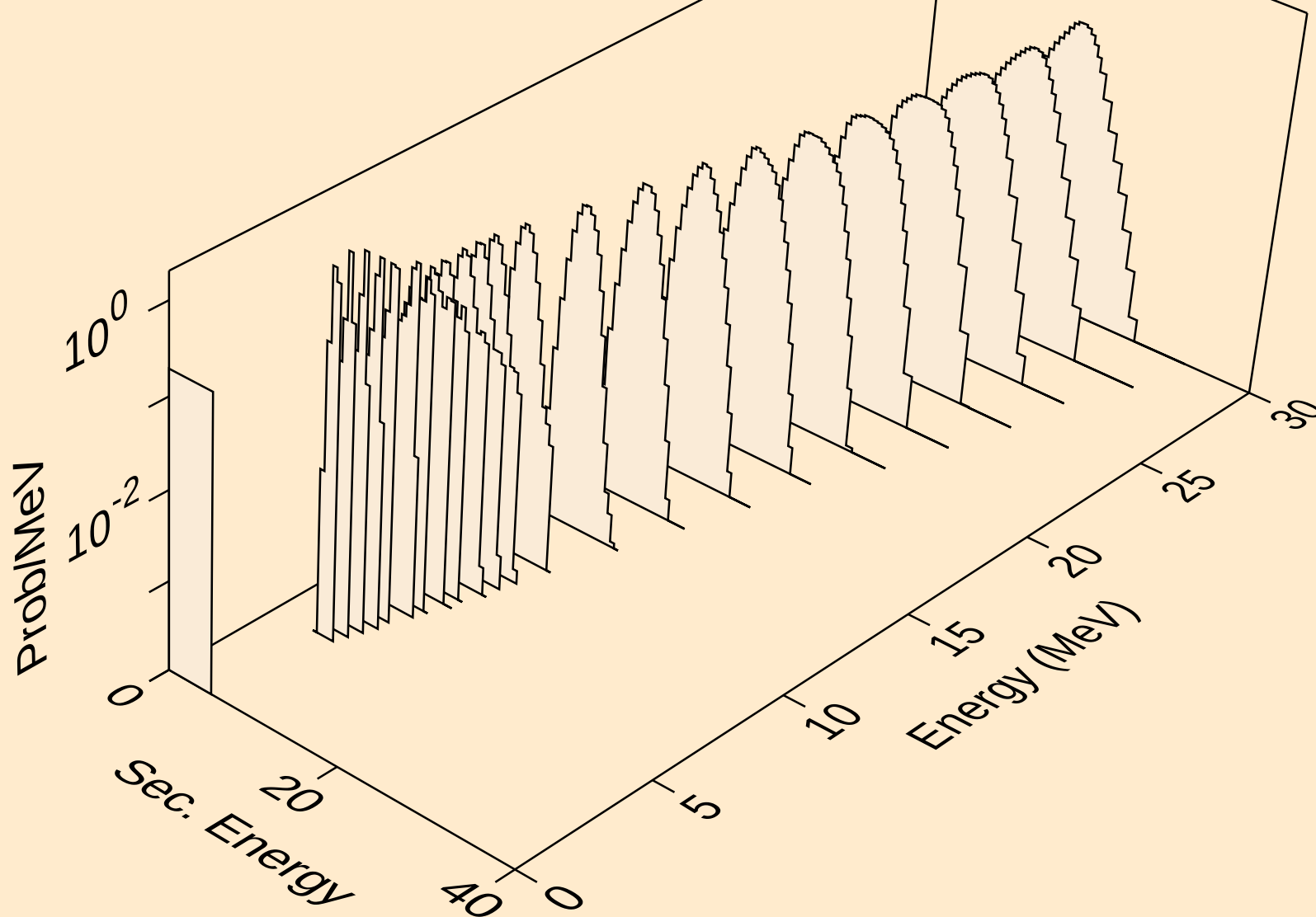
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)a



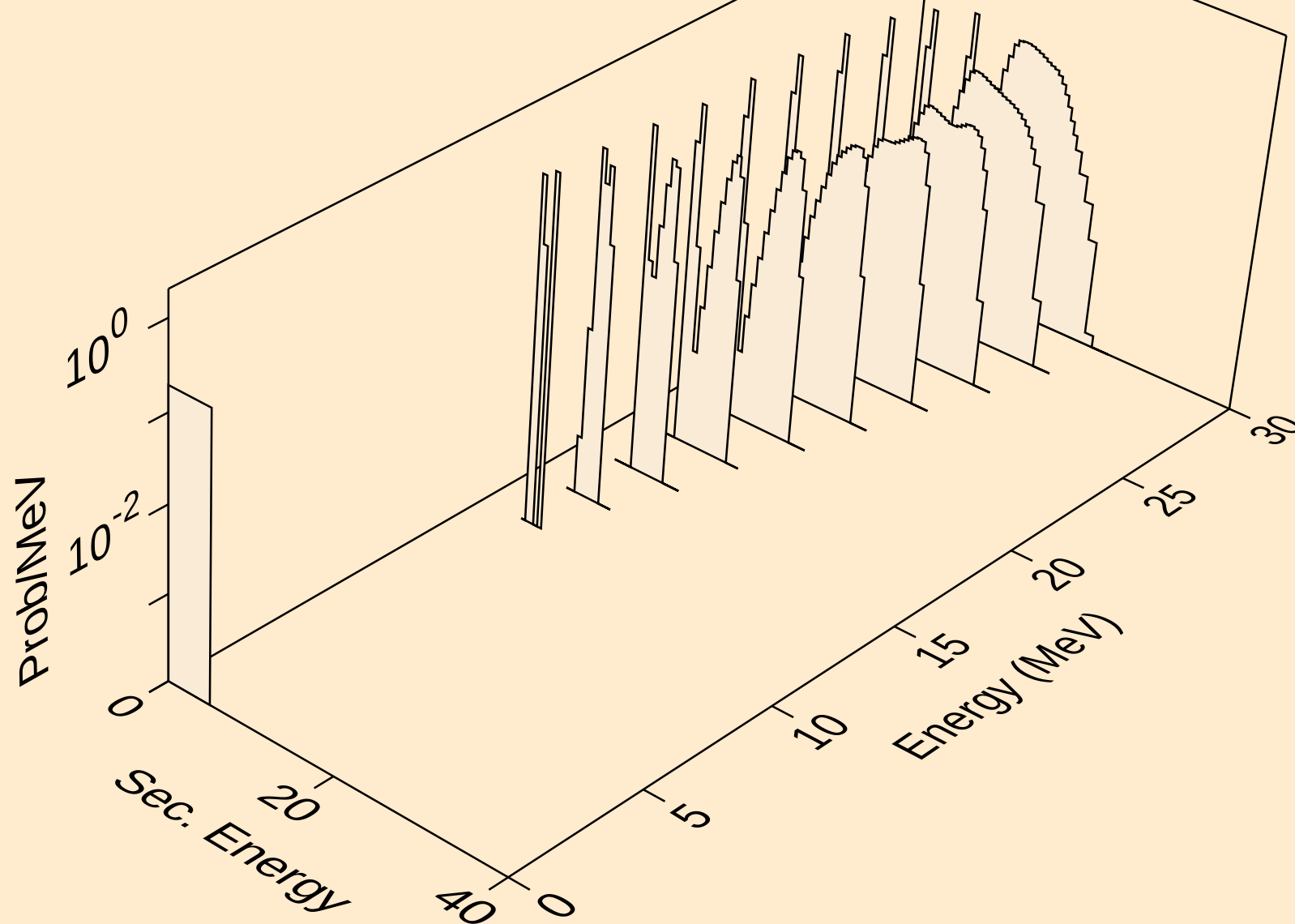
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



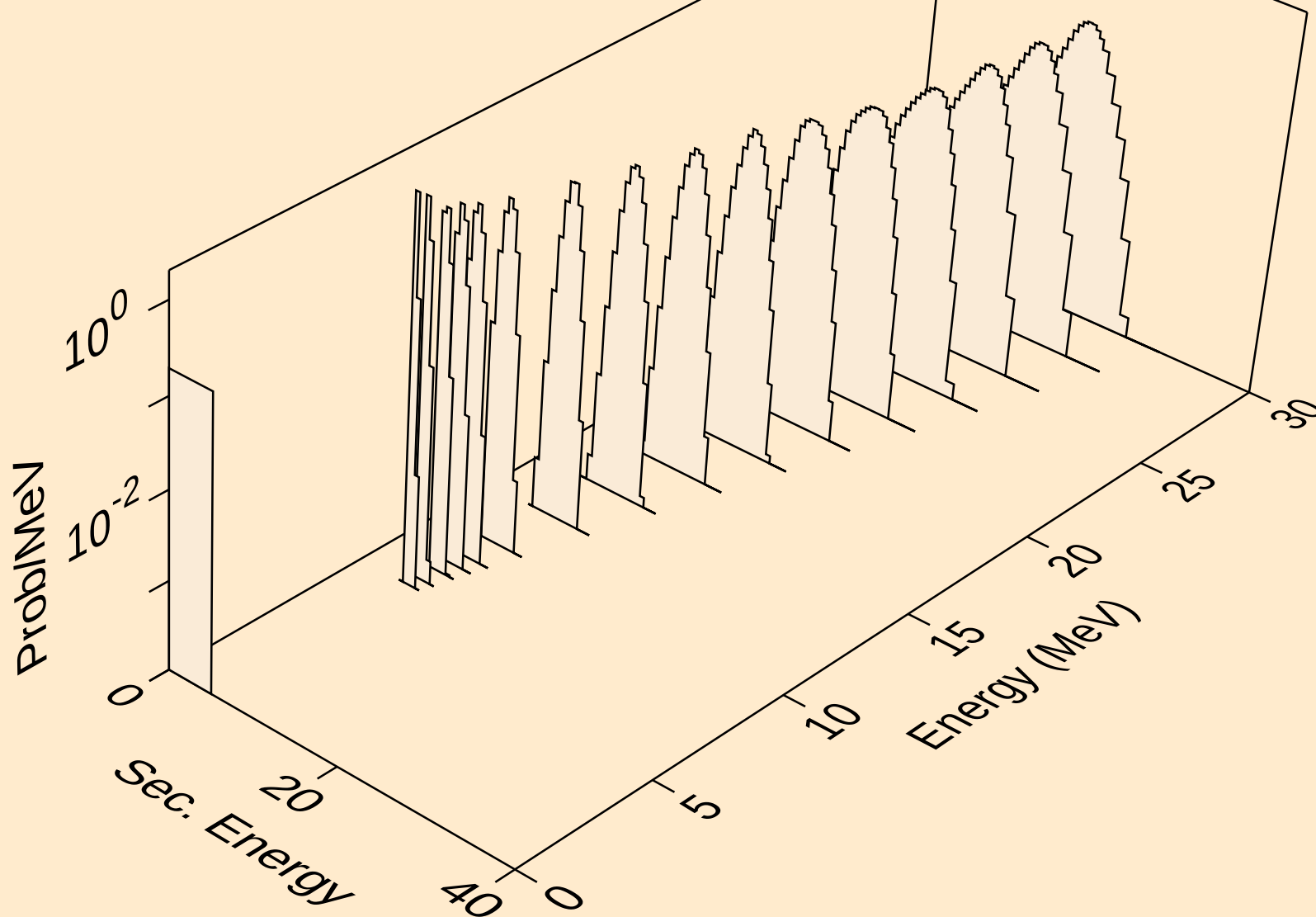
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



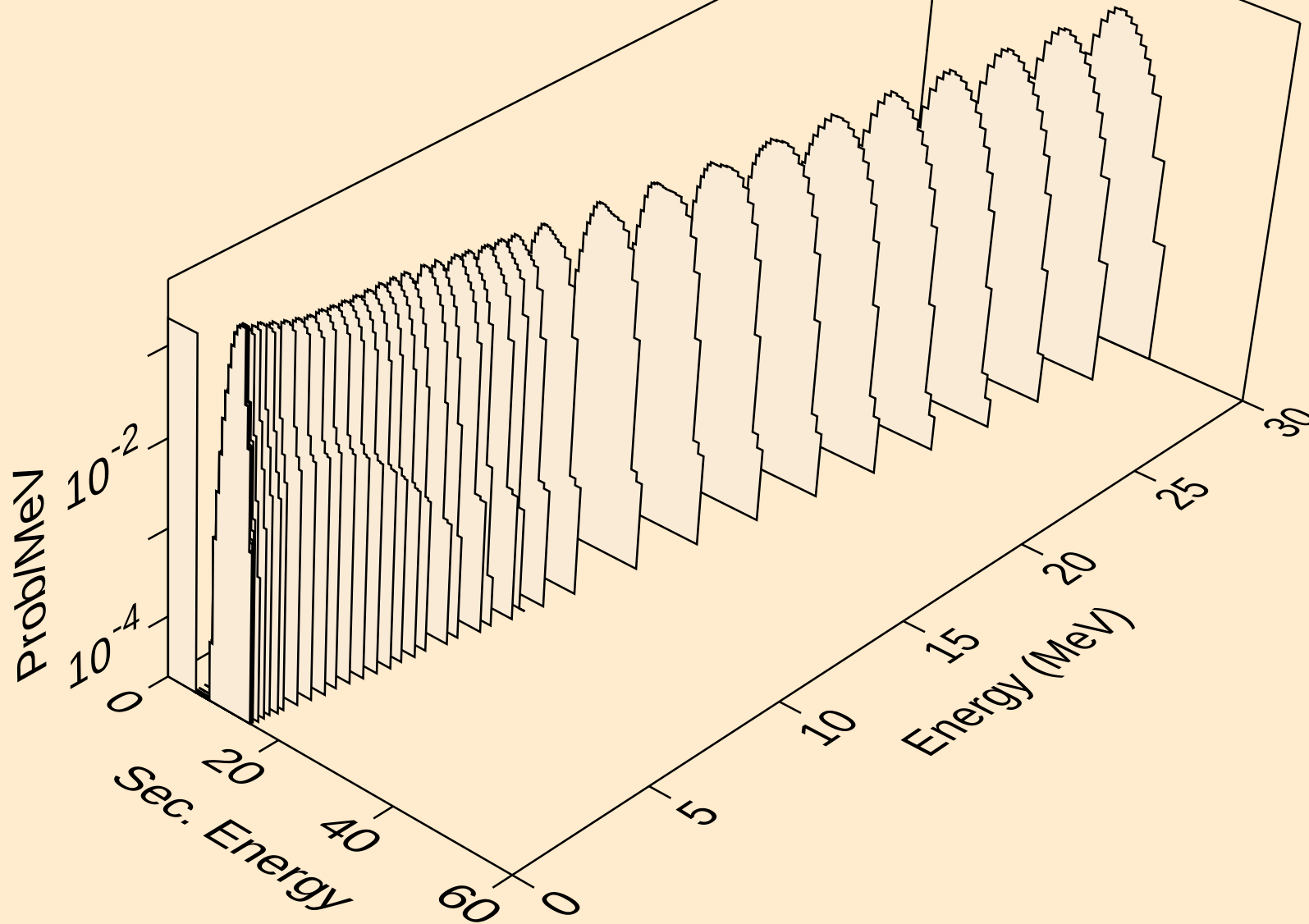
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2n)2a



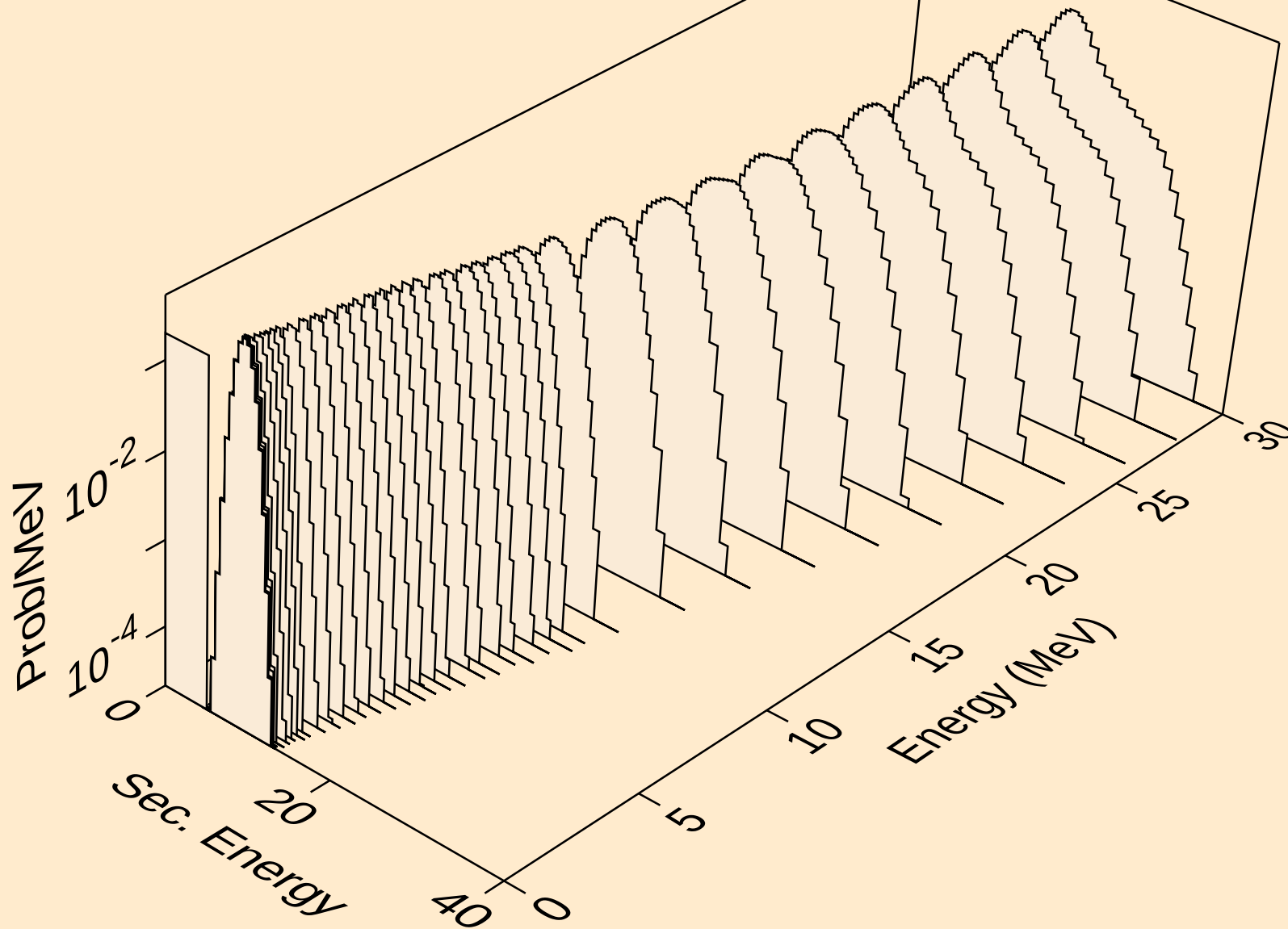
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



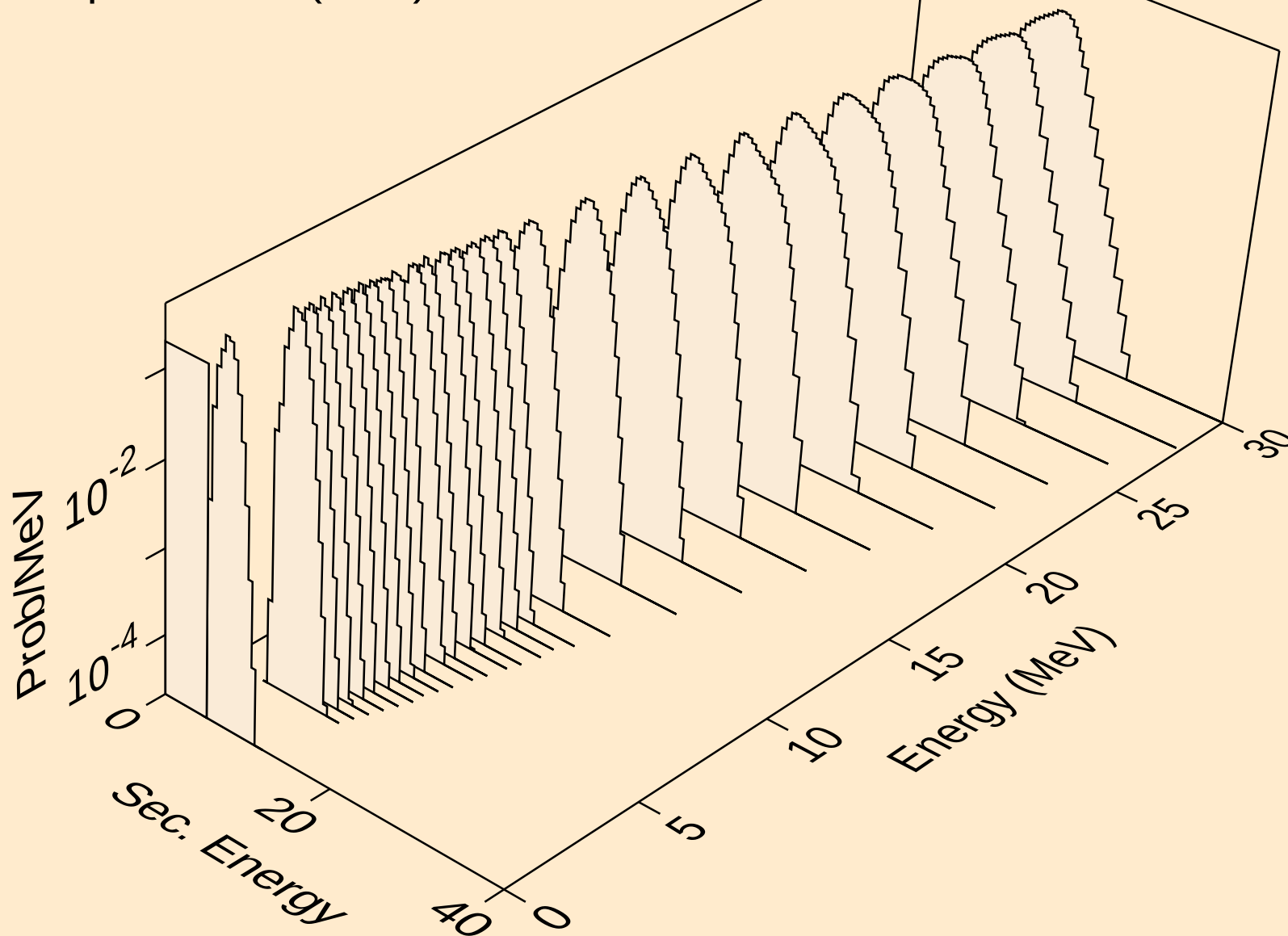
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



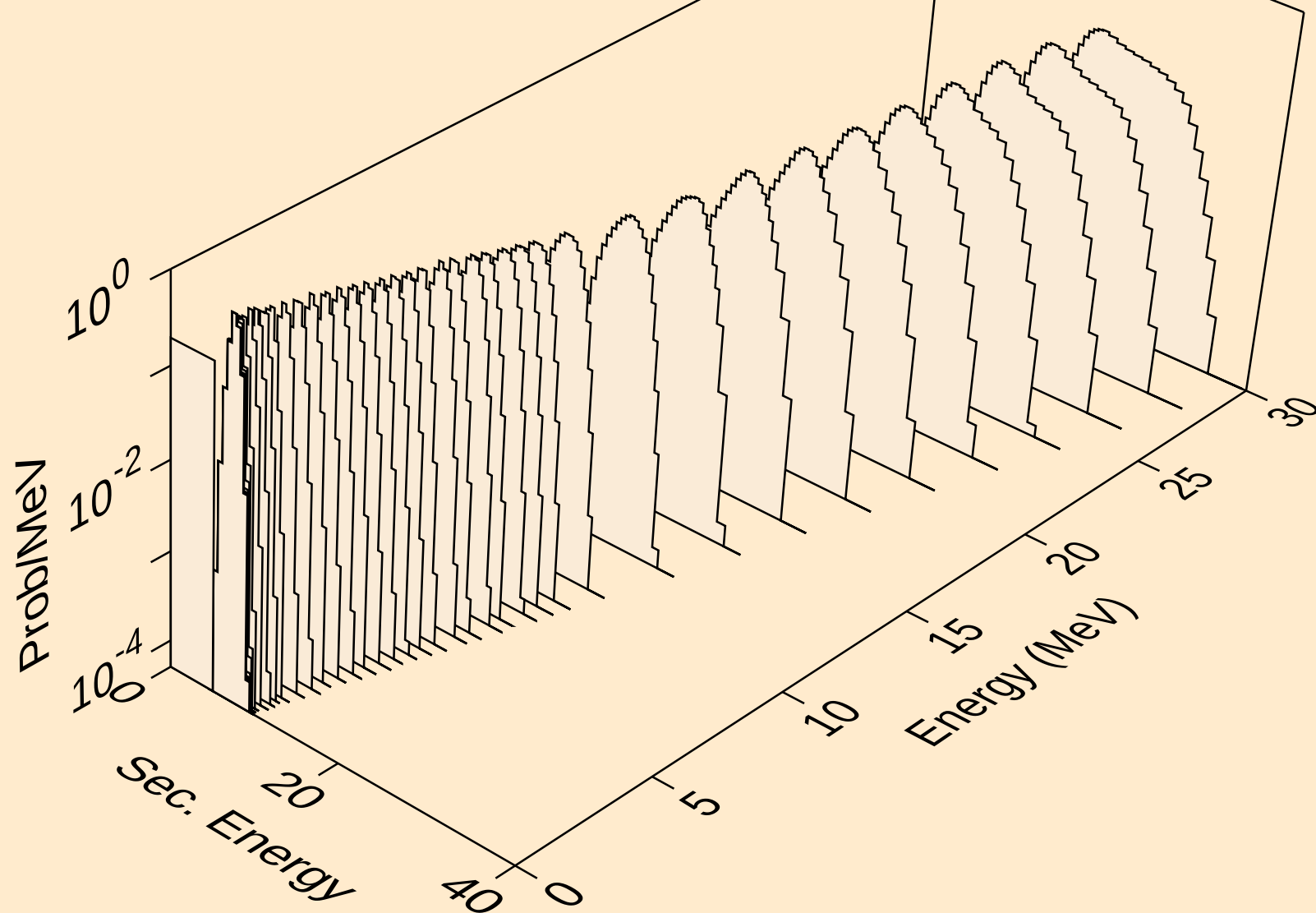
W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3a)



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



W167 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

