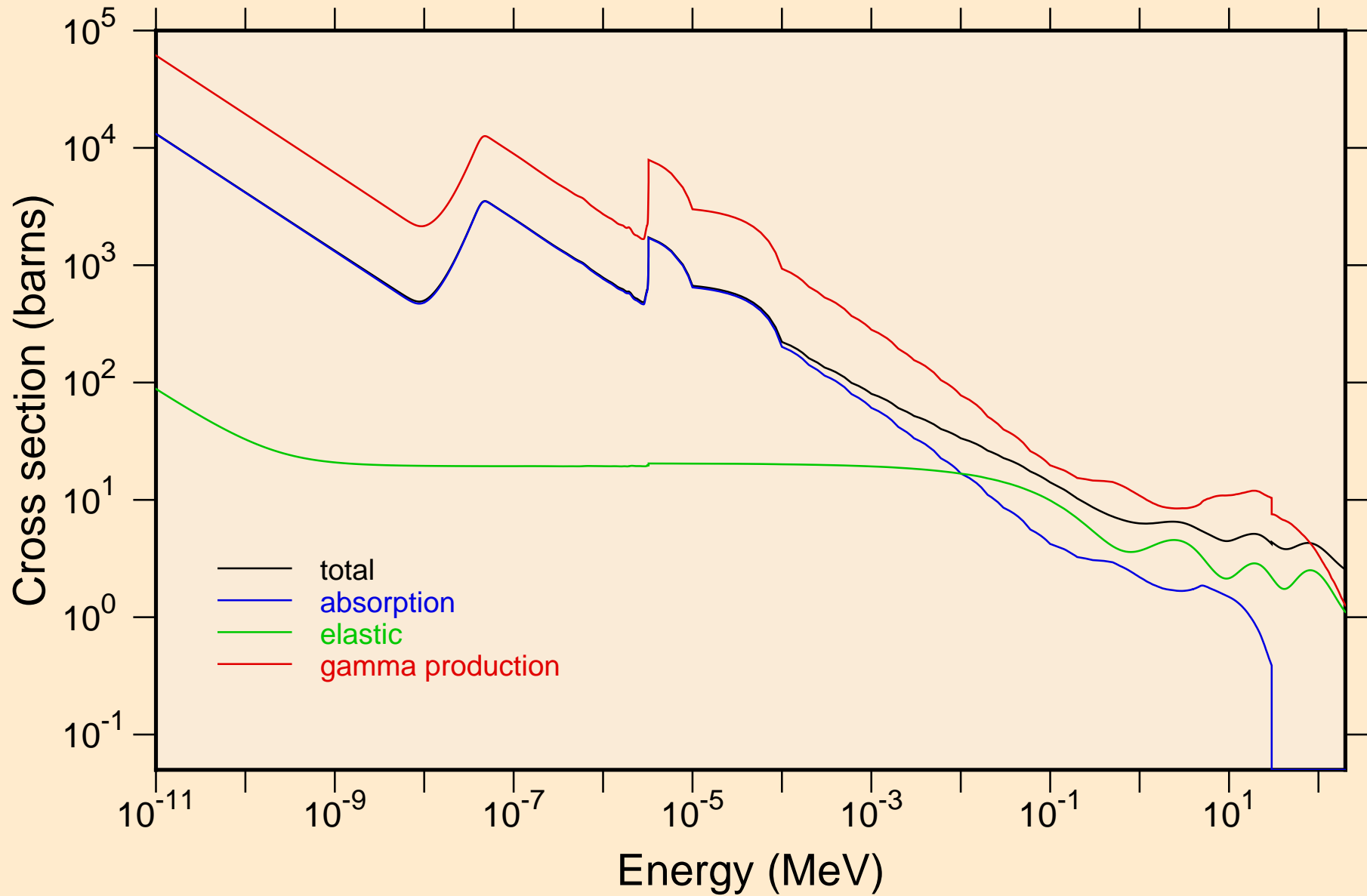


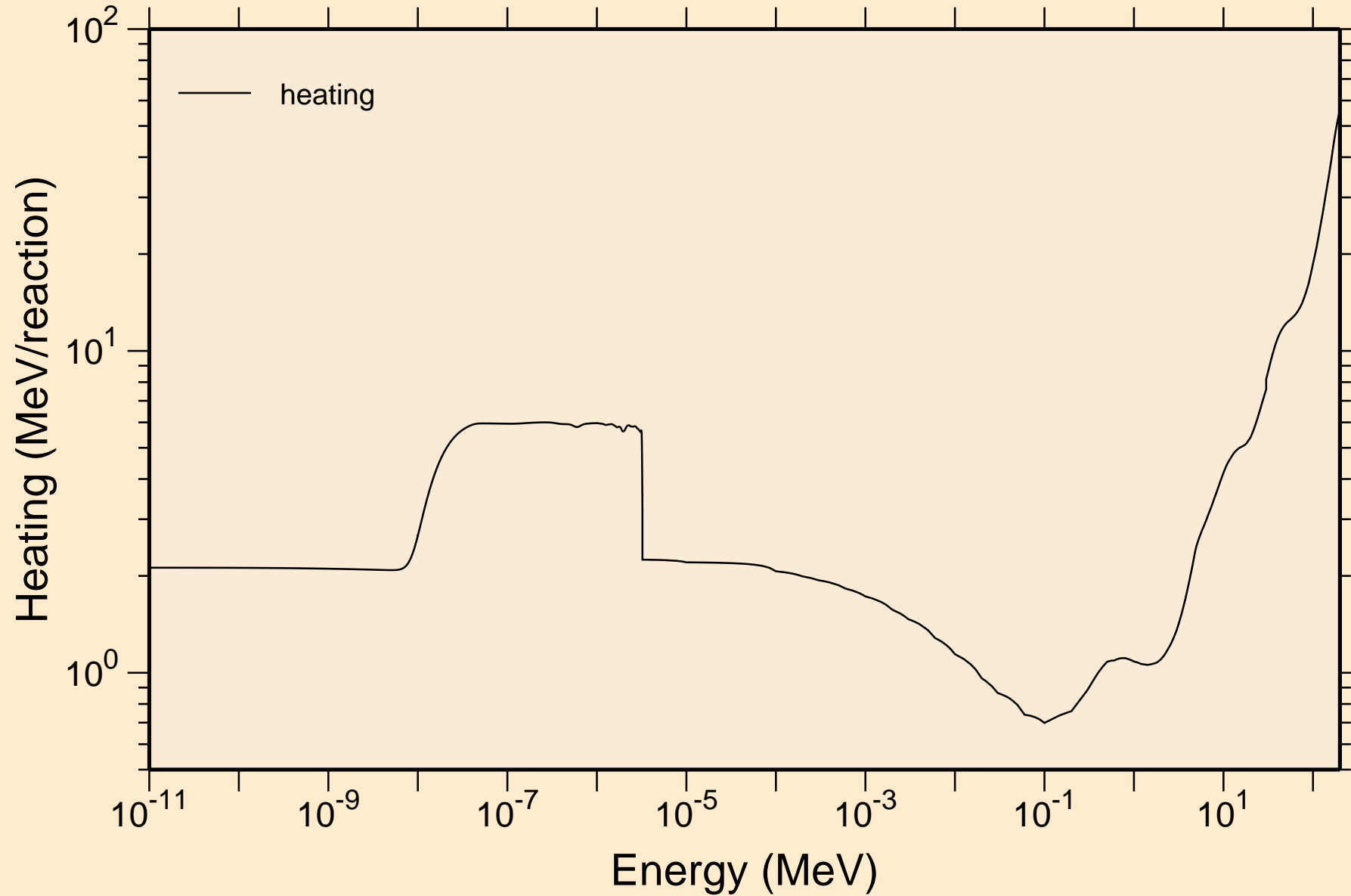
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

Principal cross sections

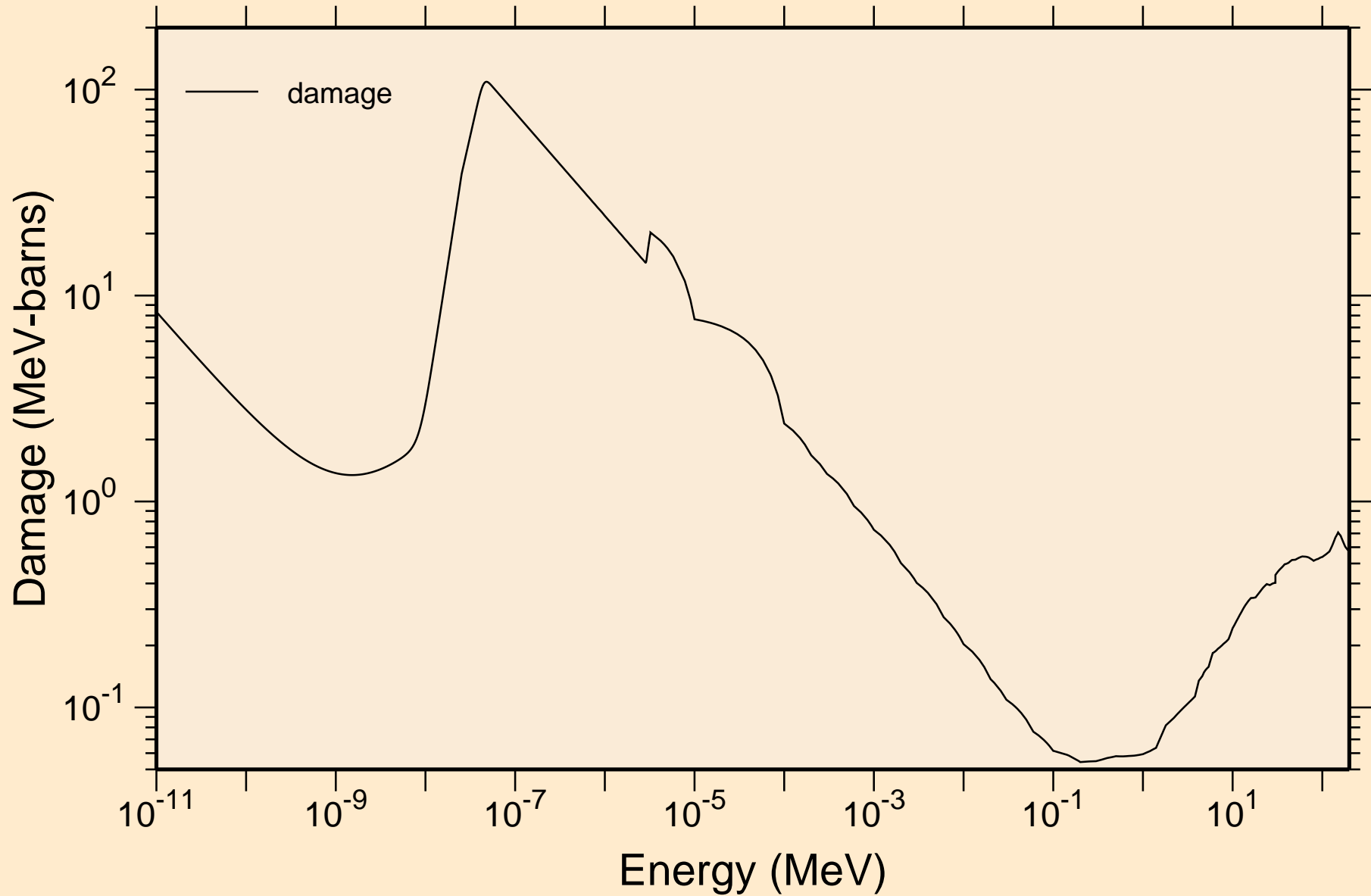


W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

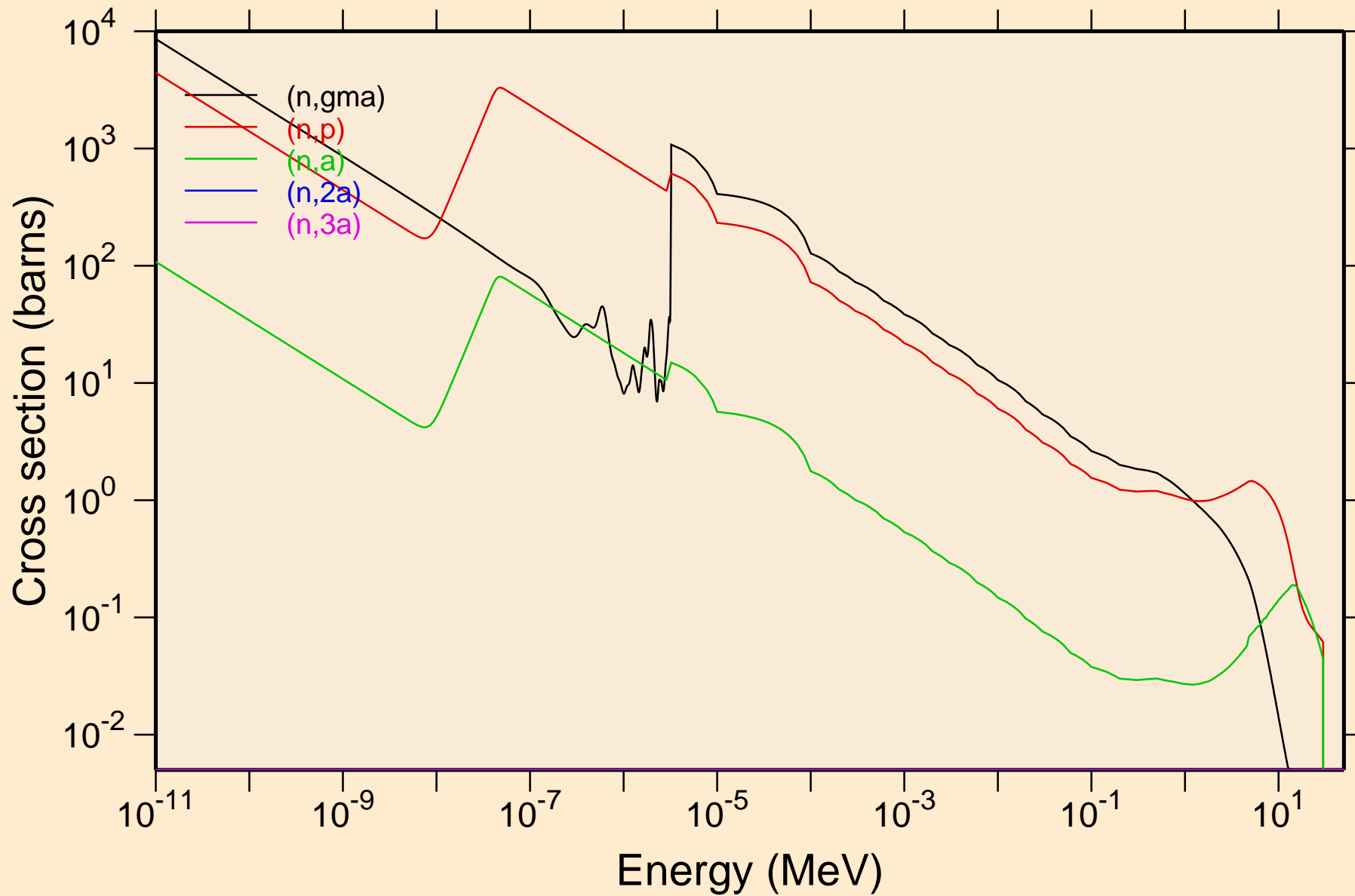
Heating



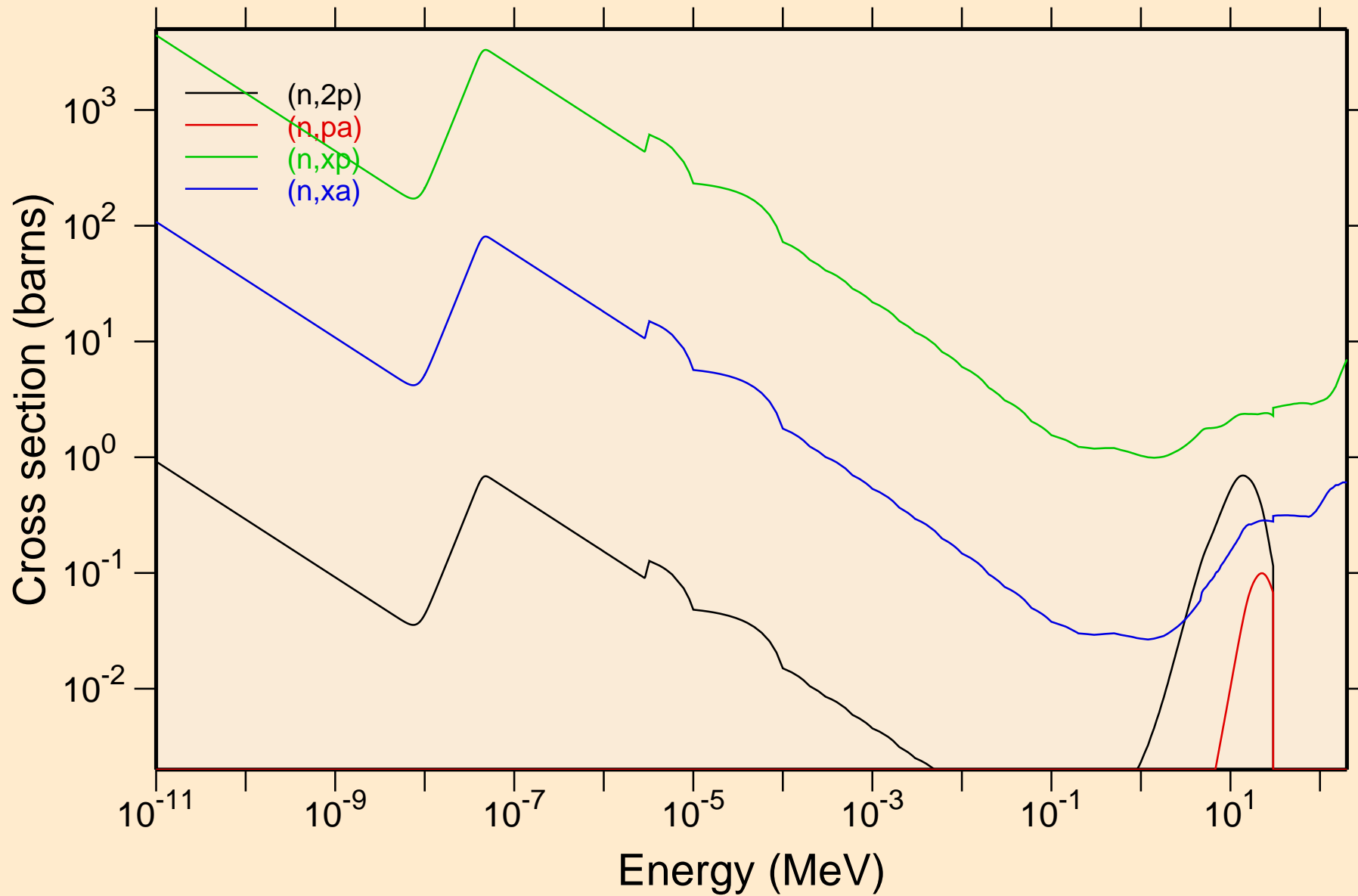
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage



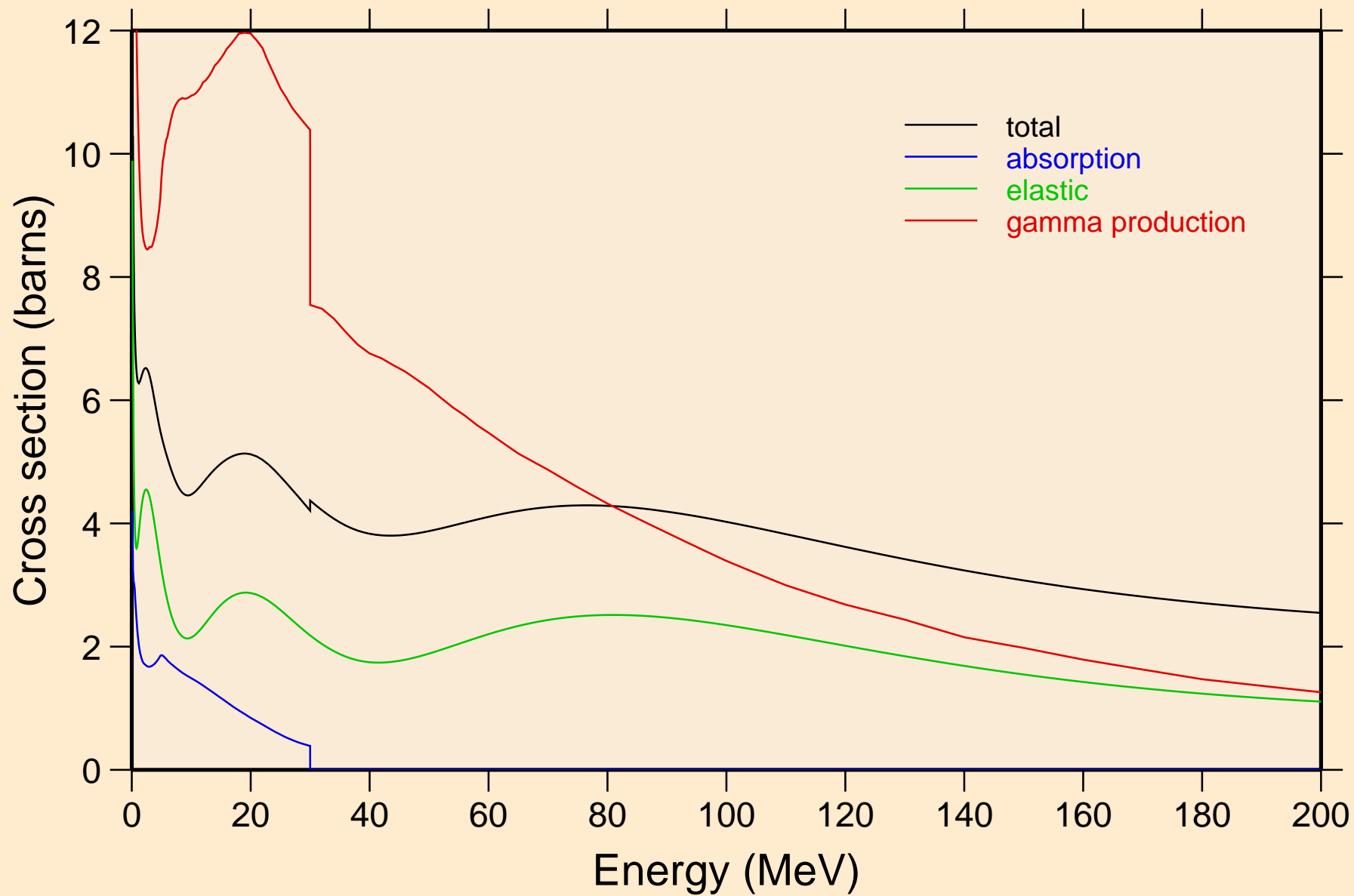
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions



W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions

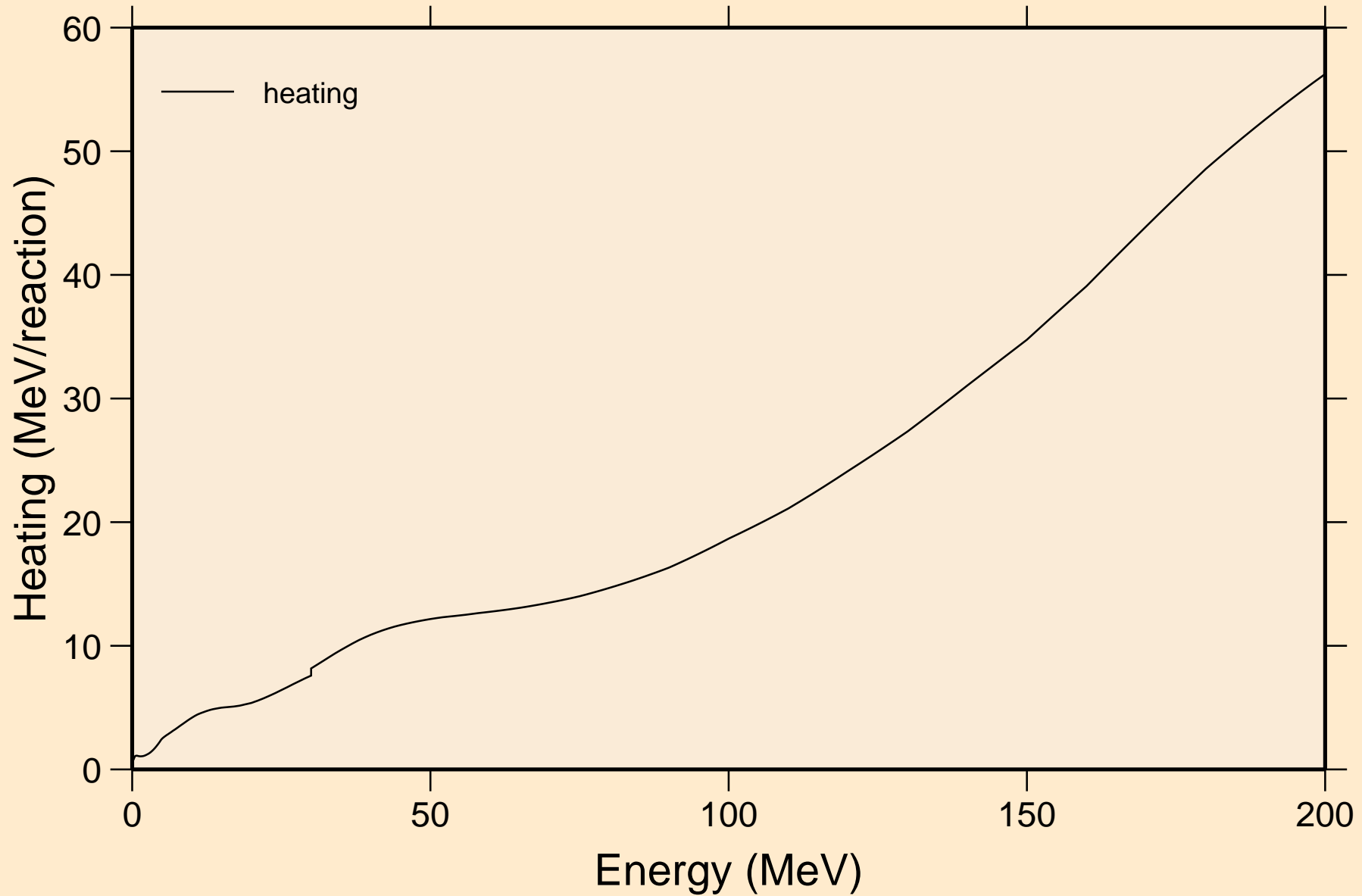


W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Principal cross sections

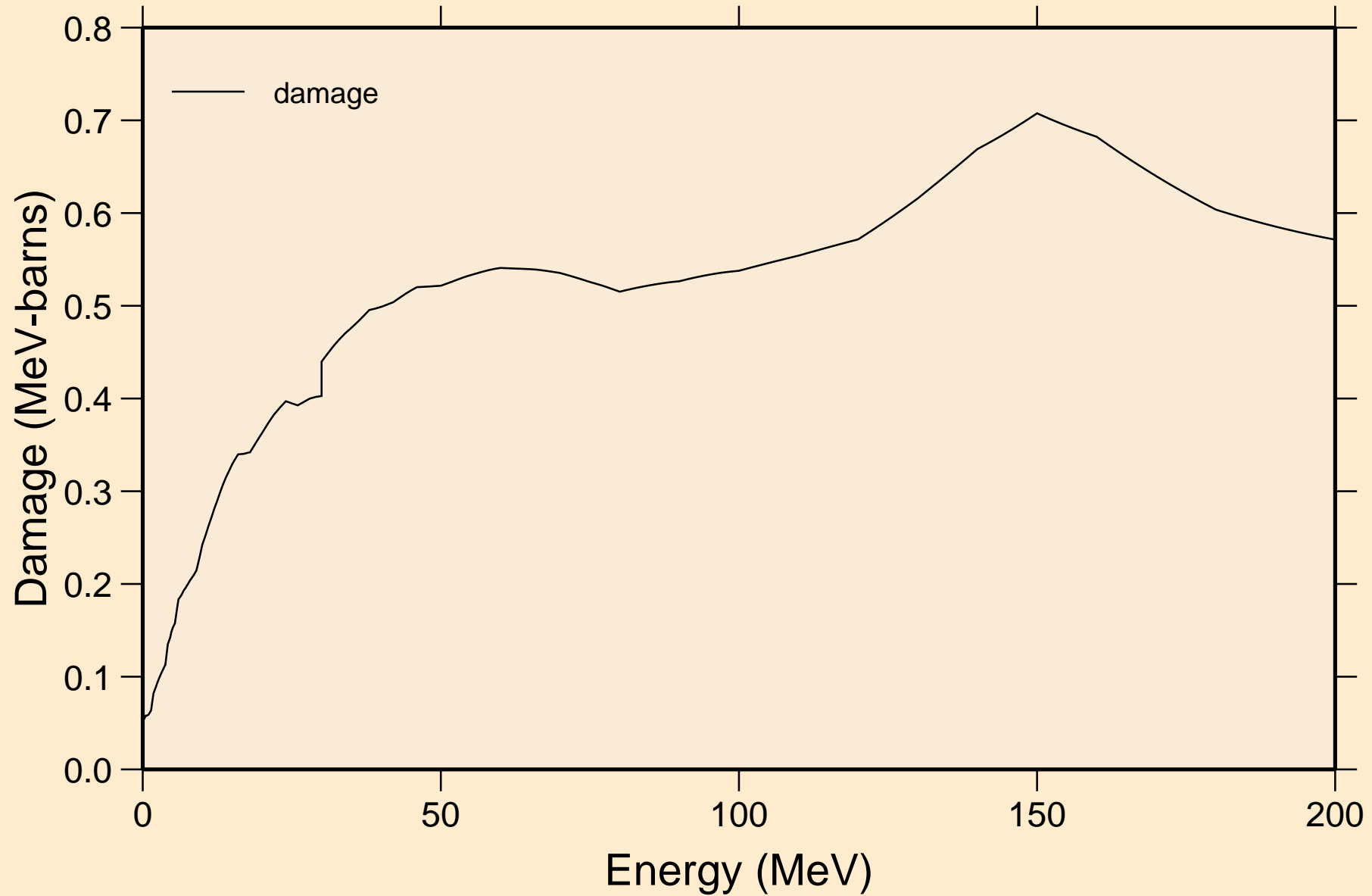


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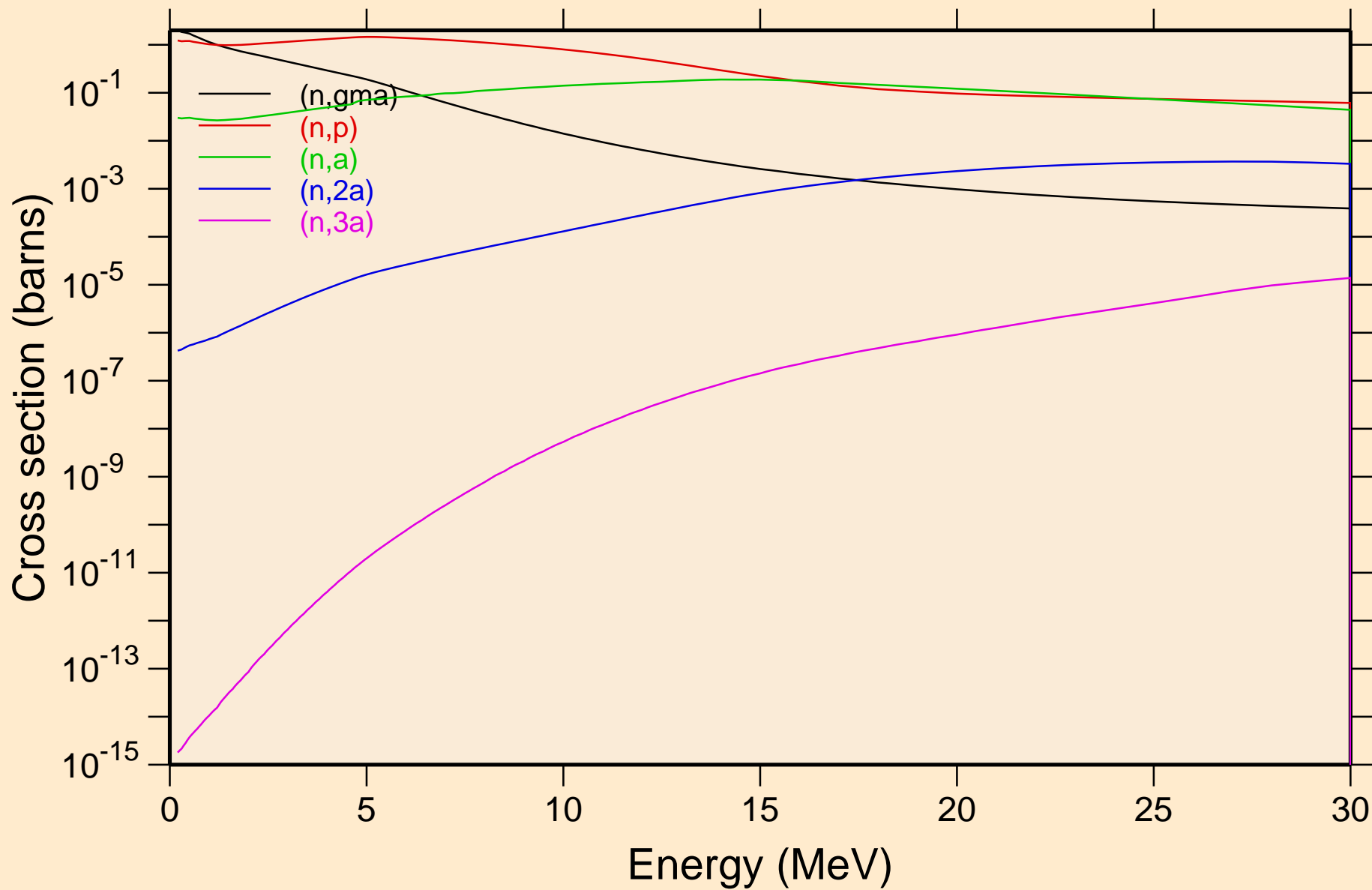
Heating



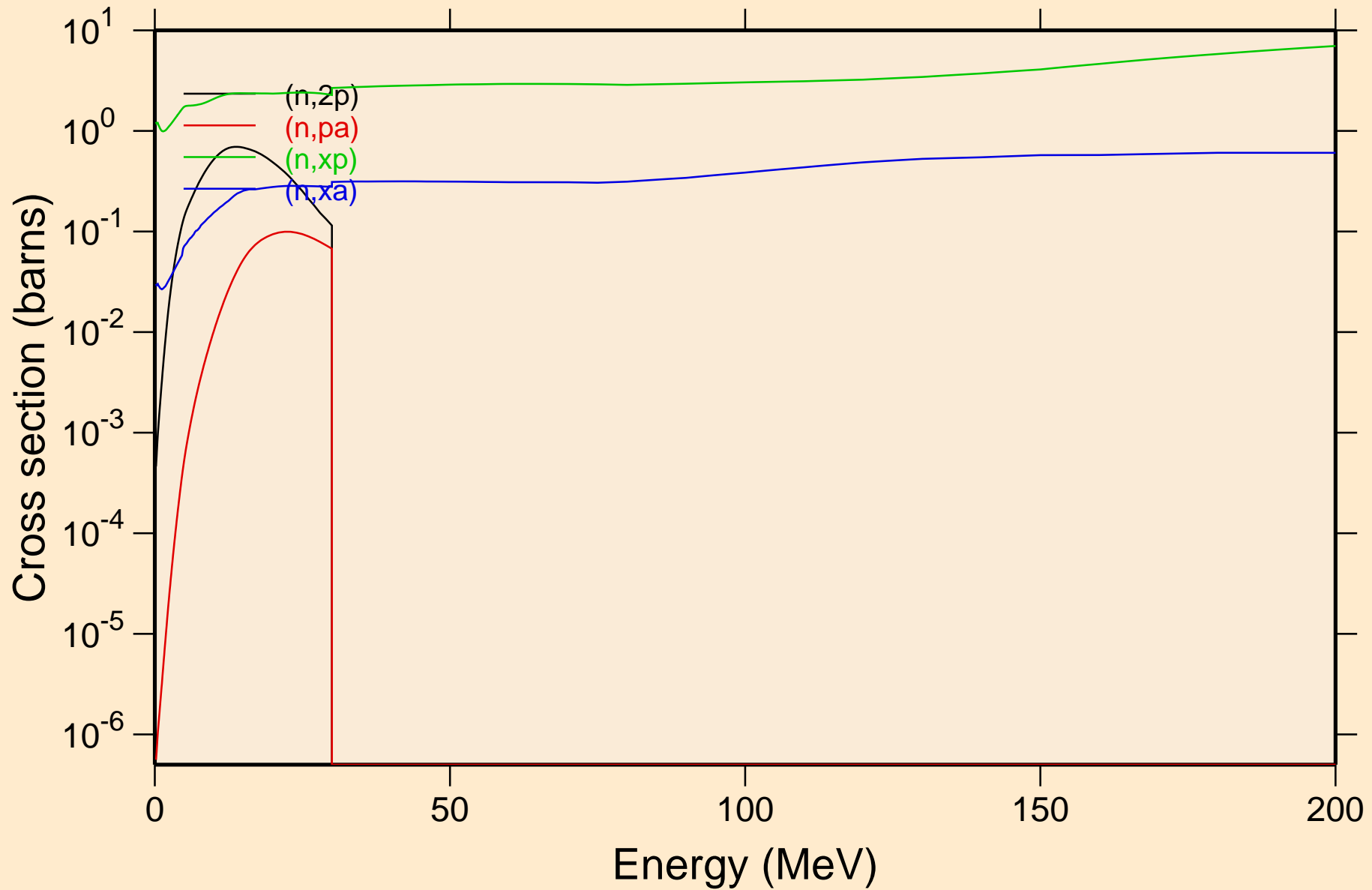
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Damage



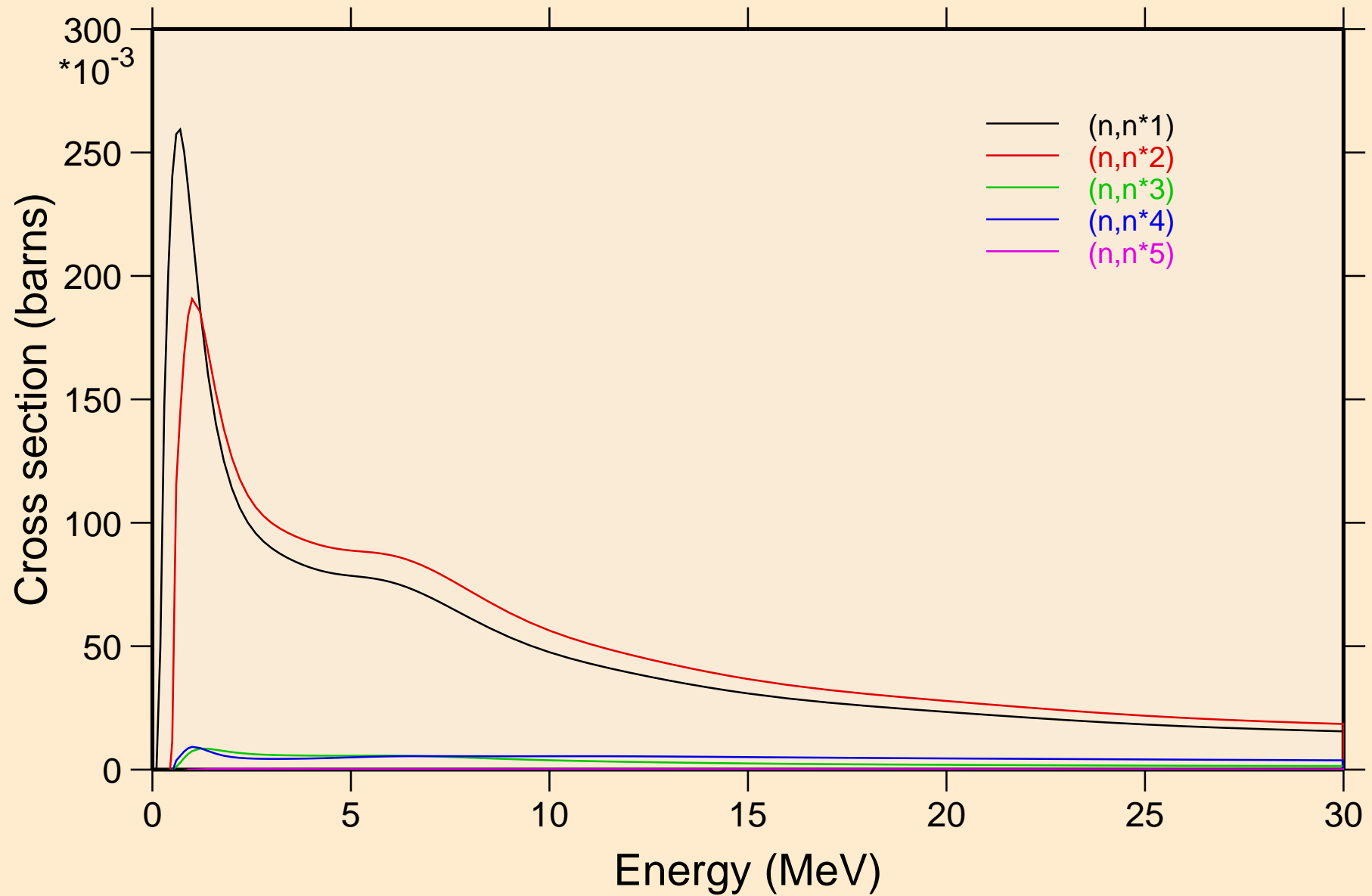
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Non-threshold reactions



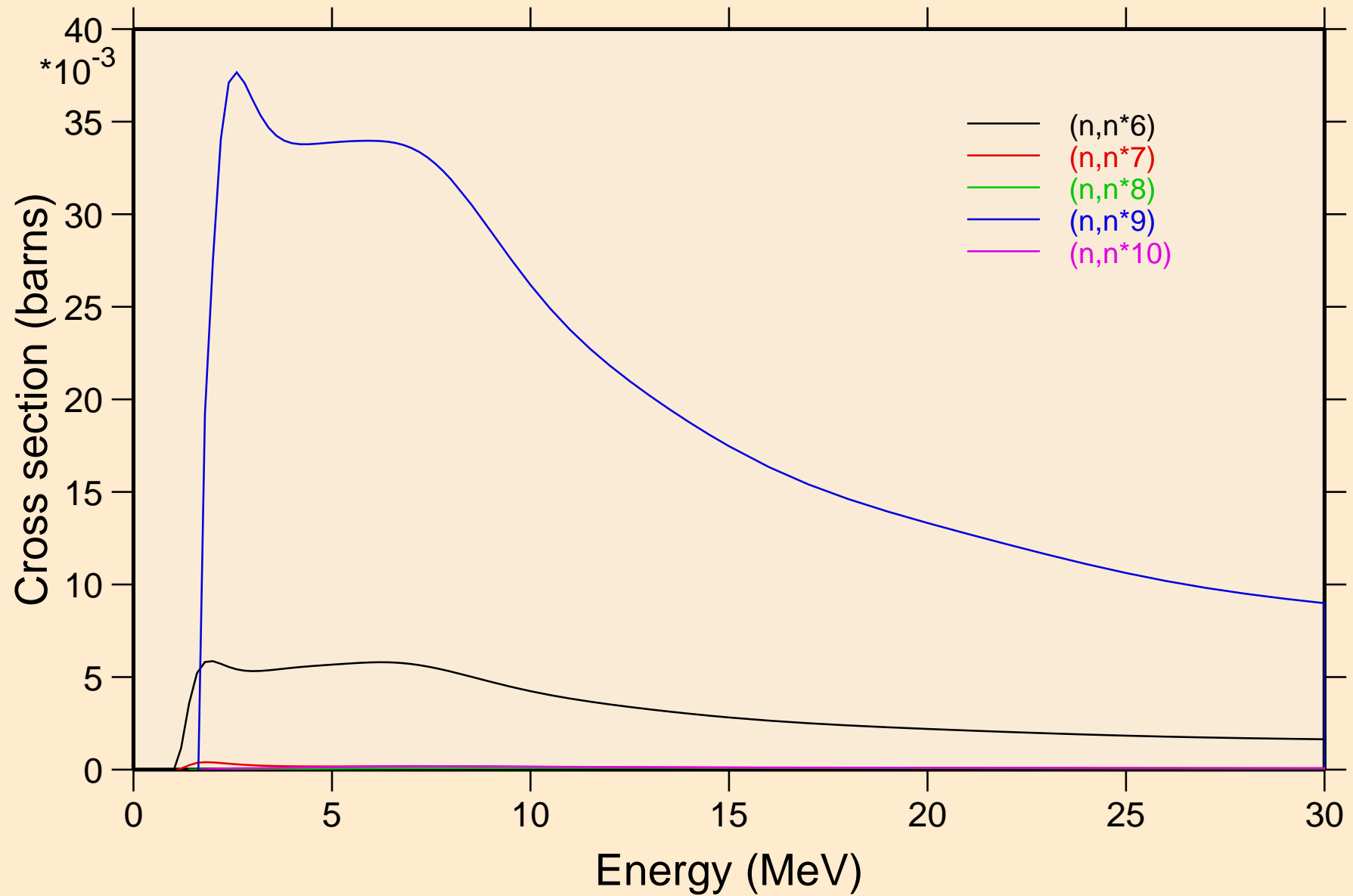
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Non-threshold reactions



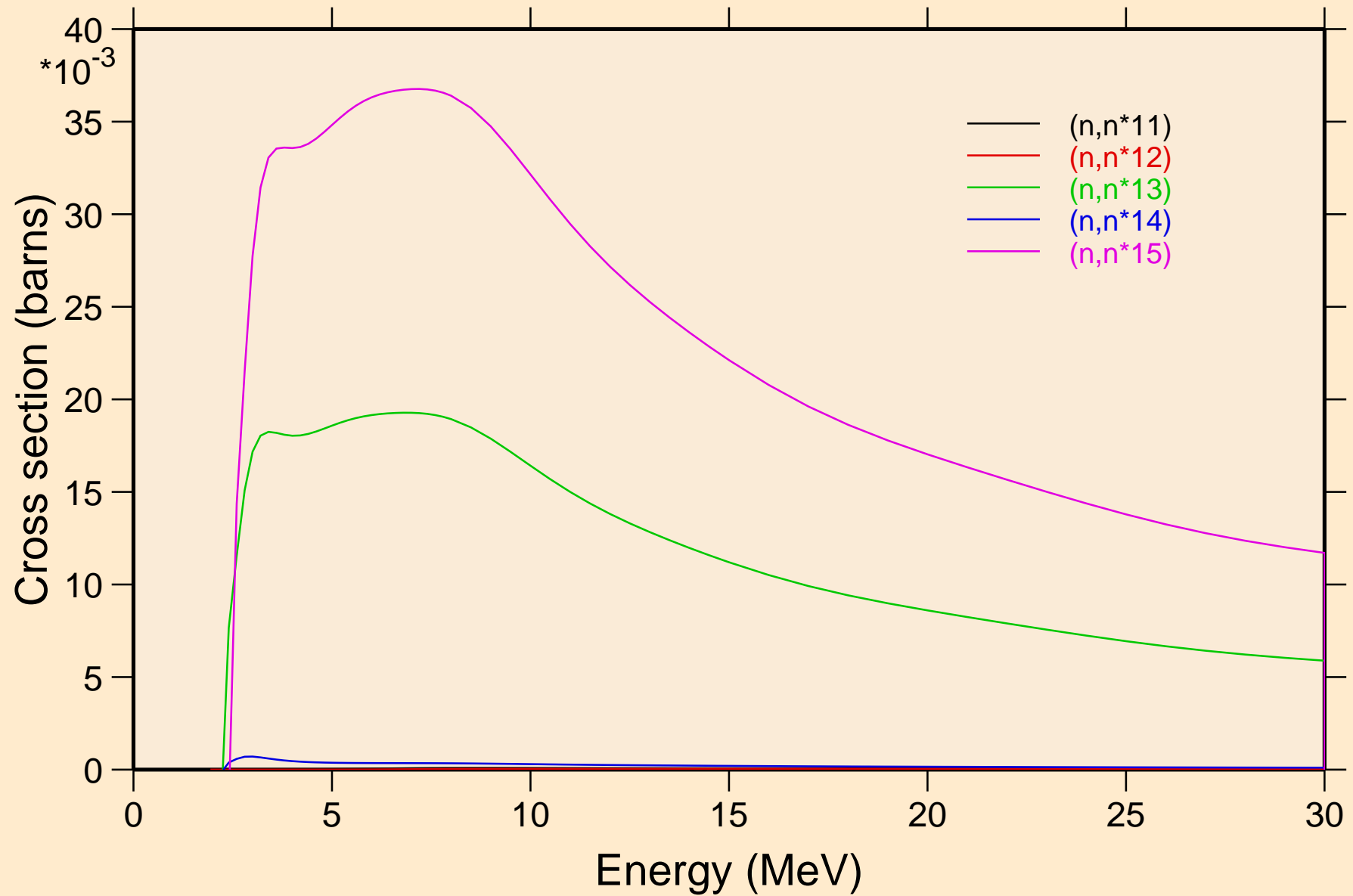
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Inelastic levels



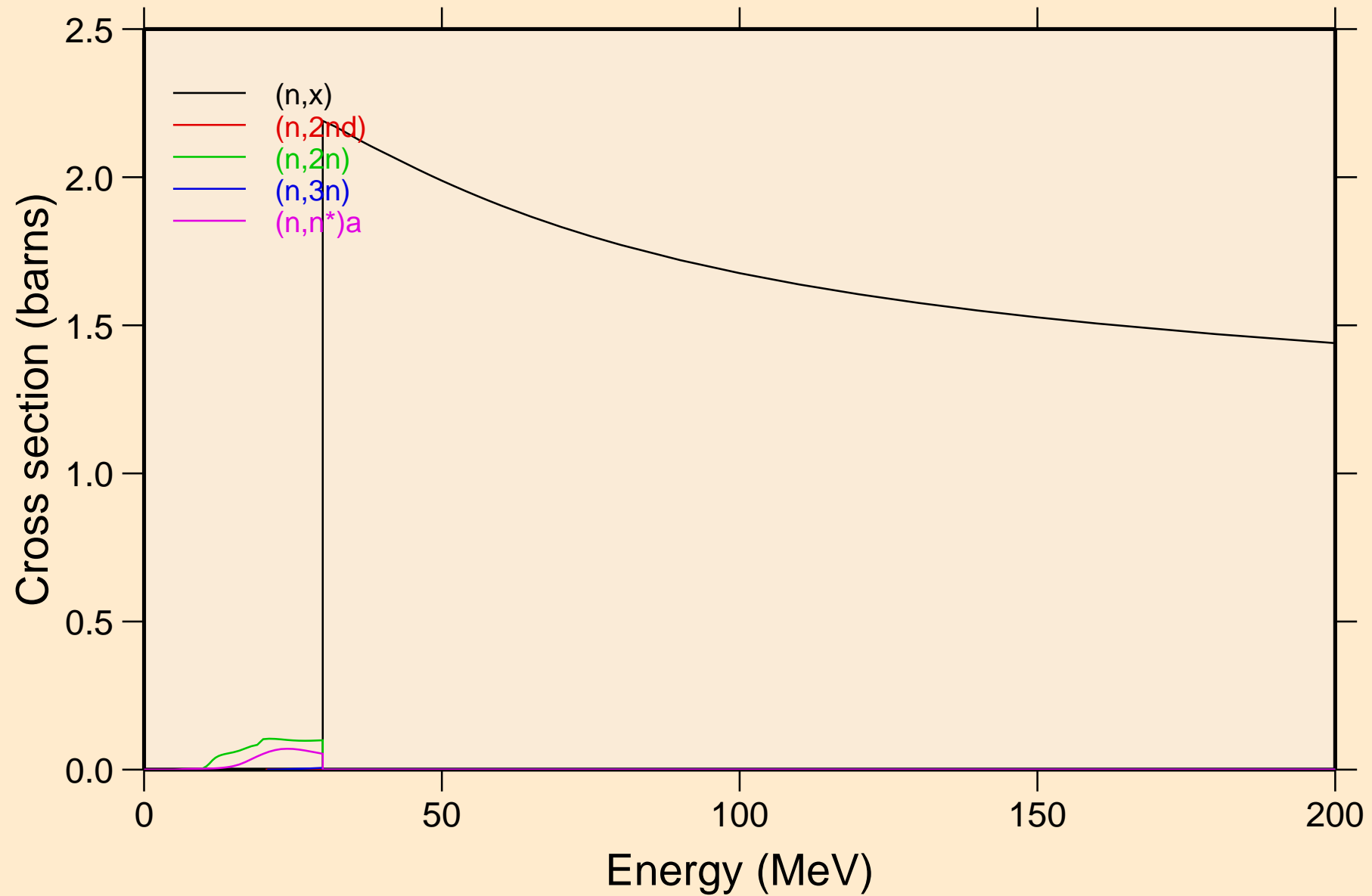
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels



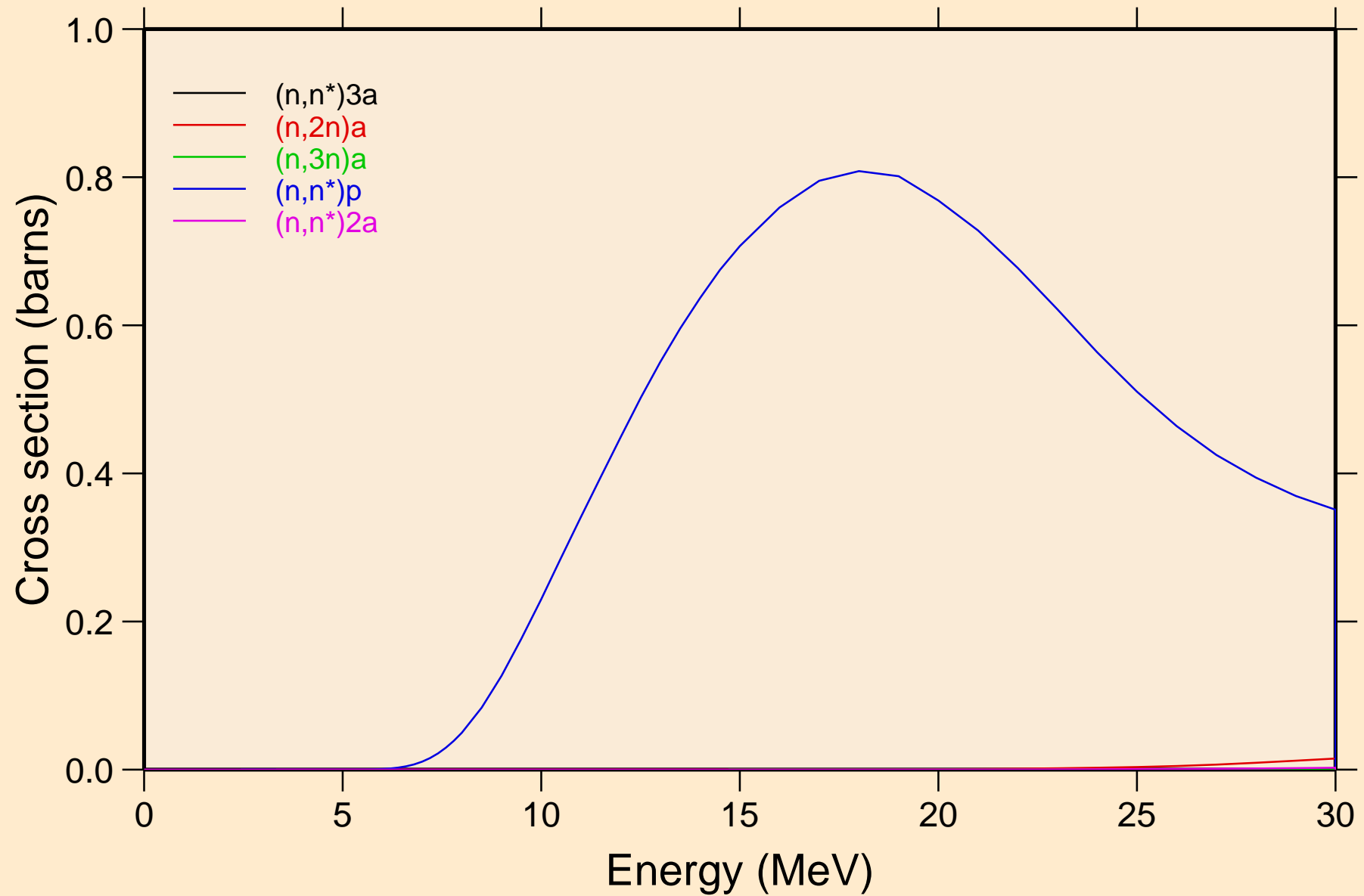
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Inelastic levels



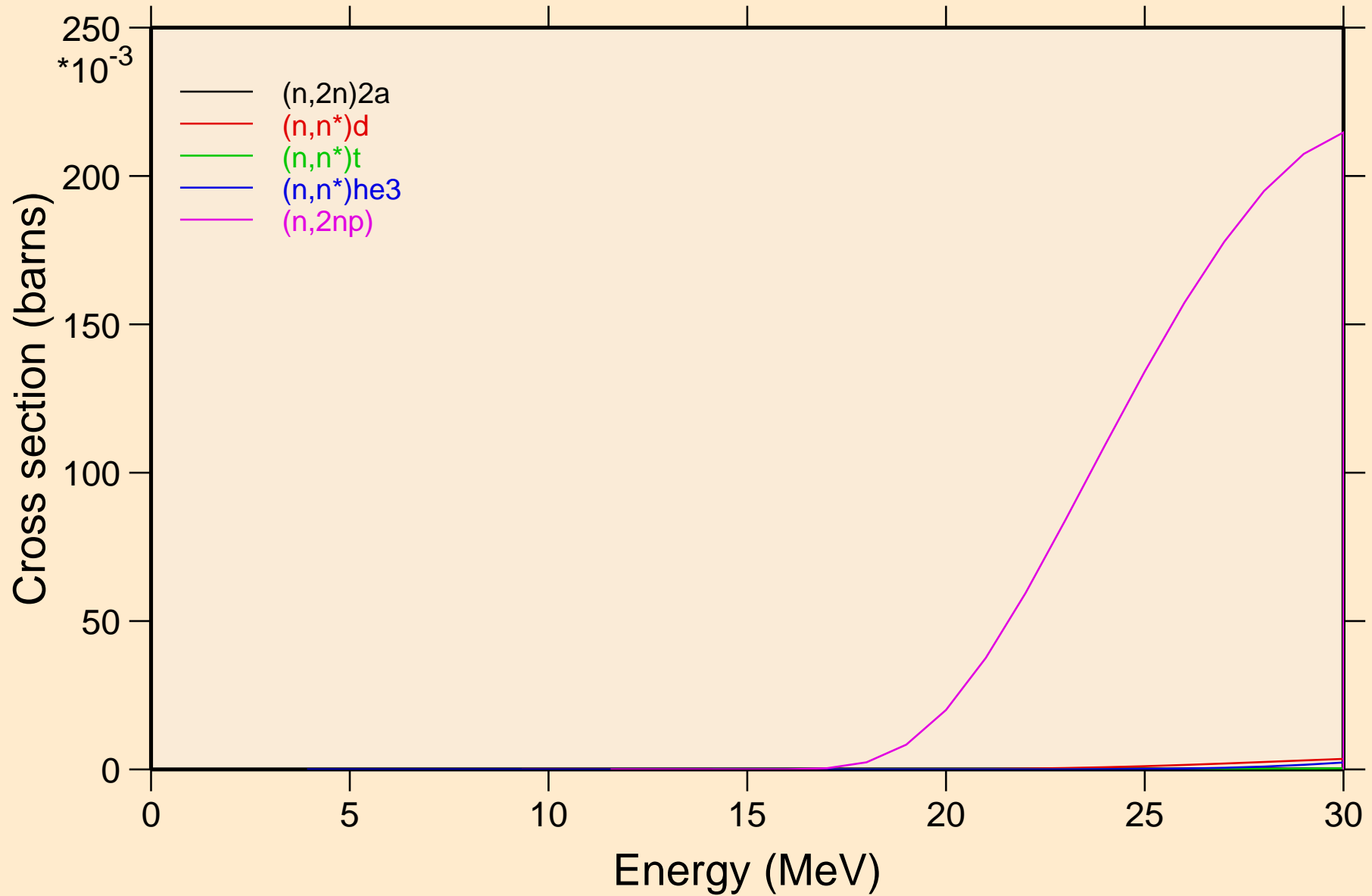
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



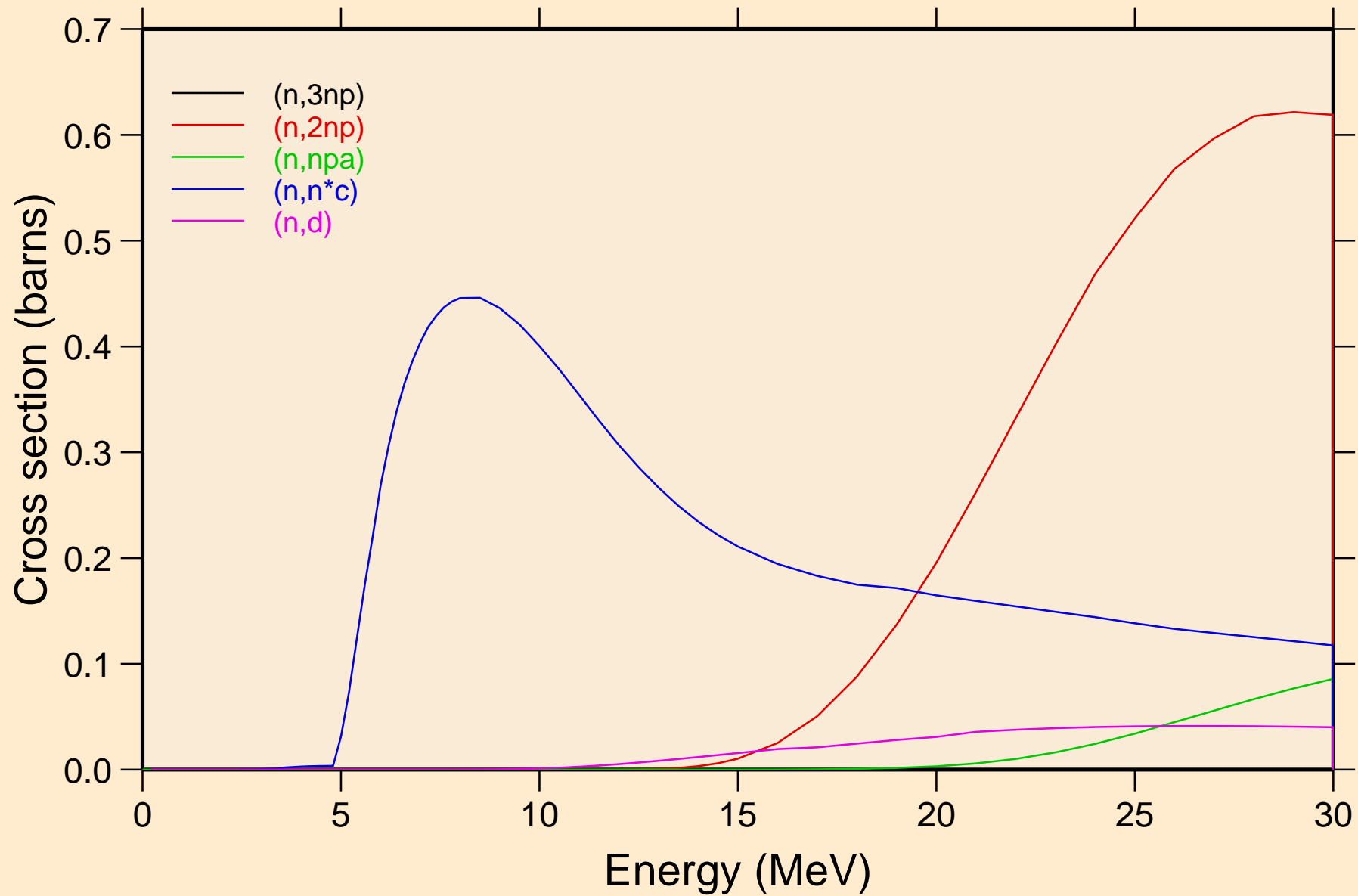
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Threshold reactions



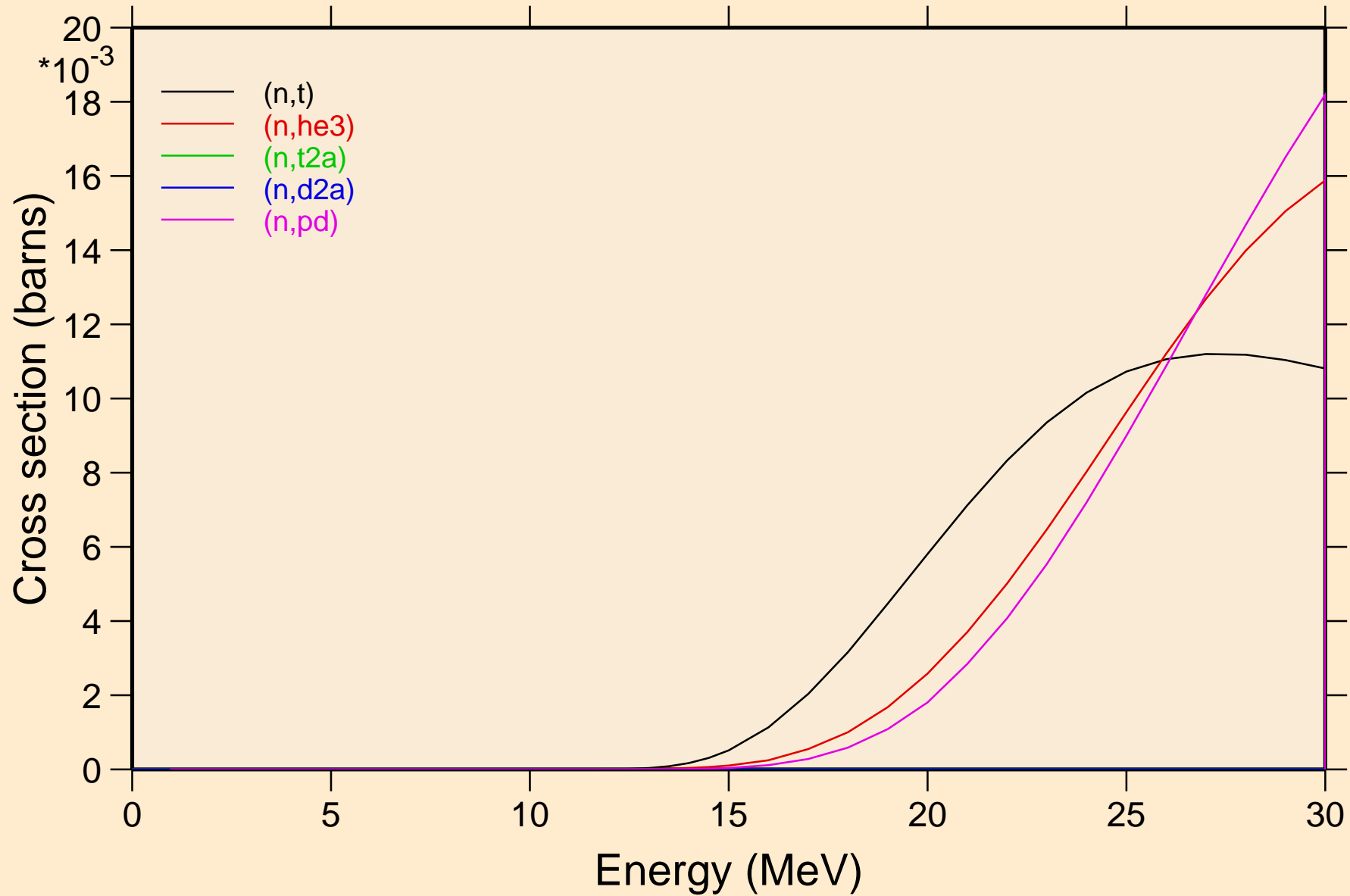
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



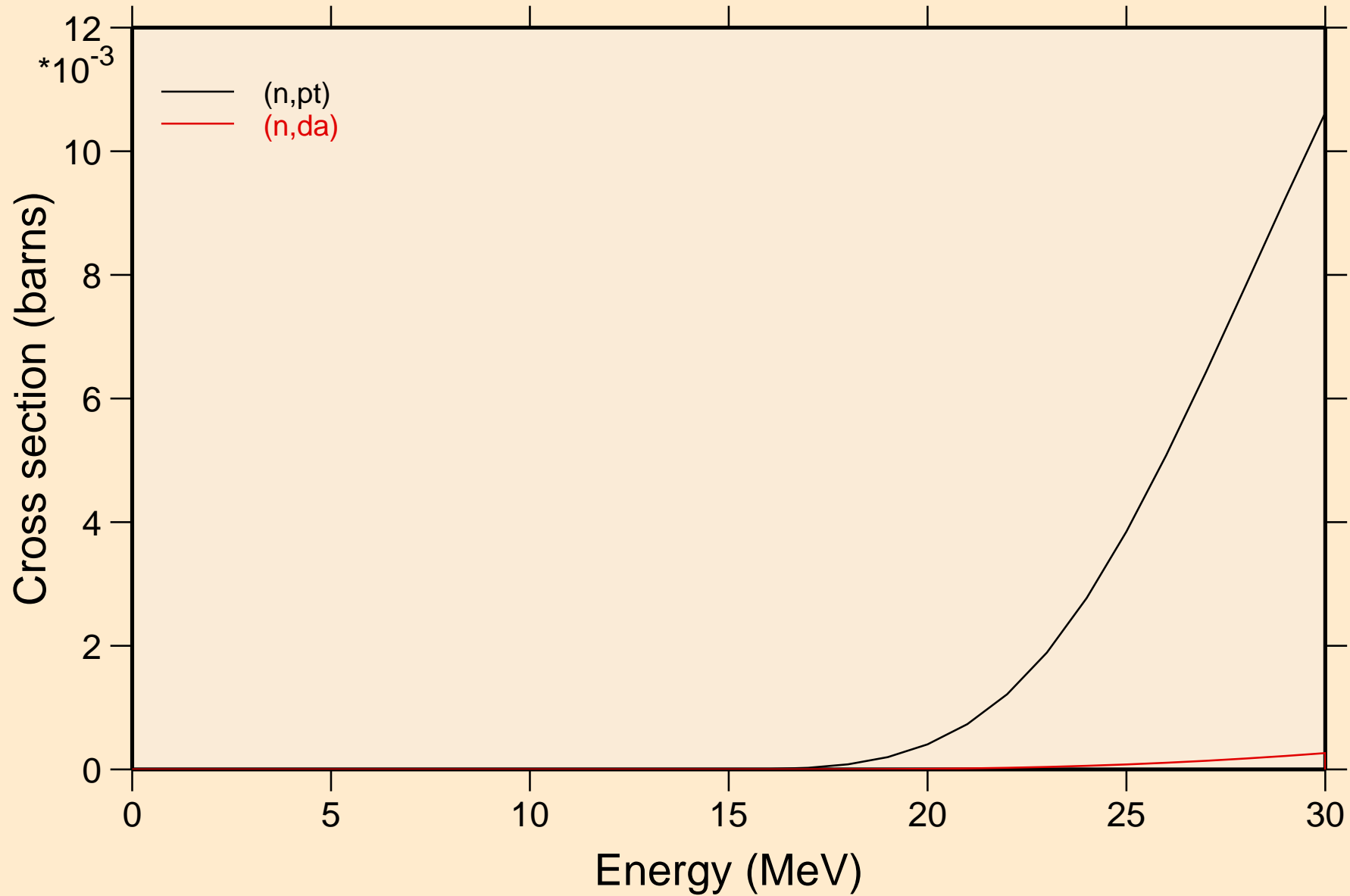
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



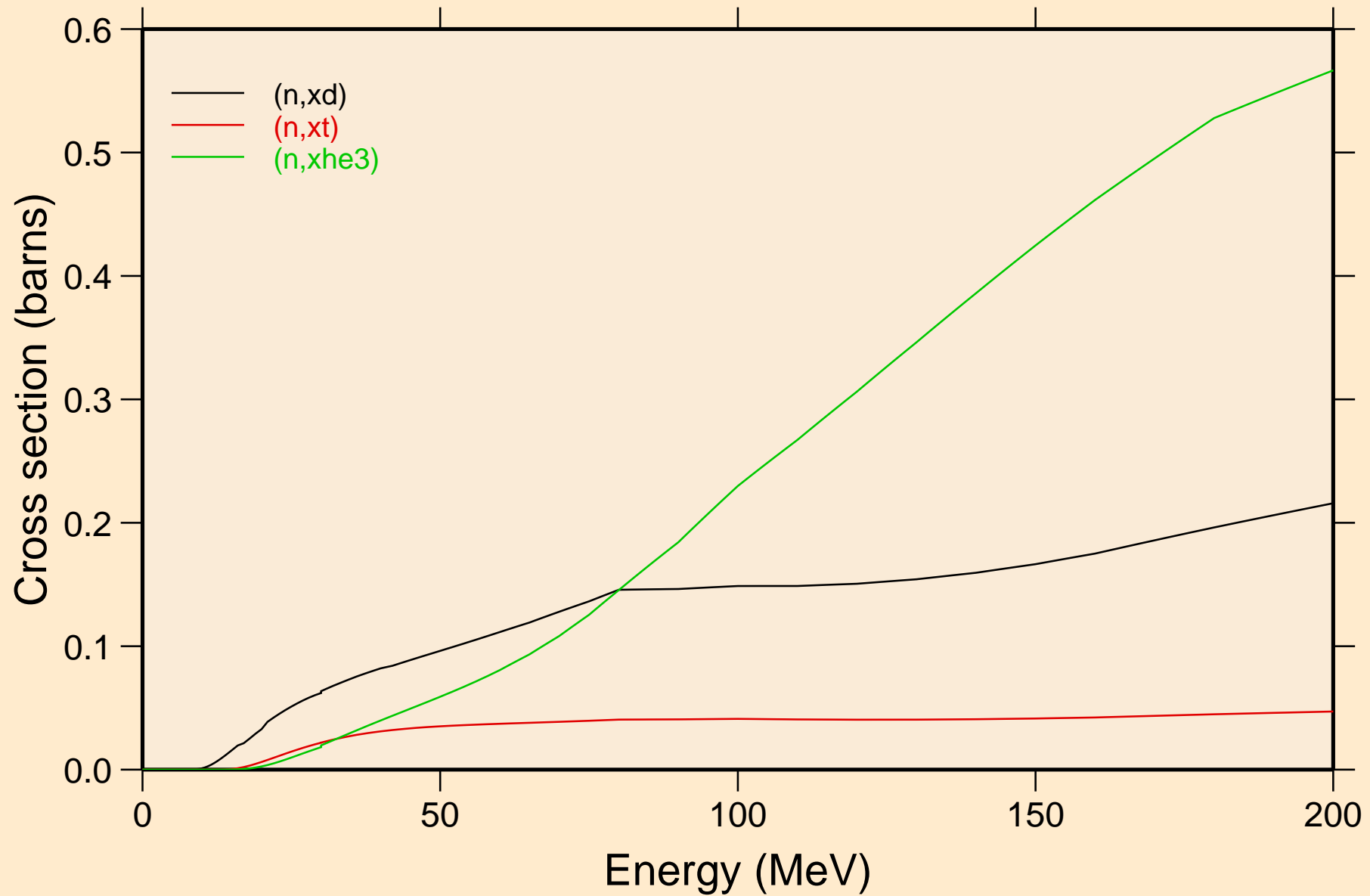
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



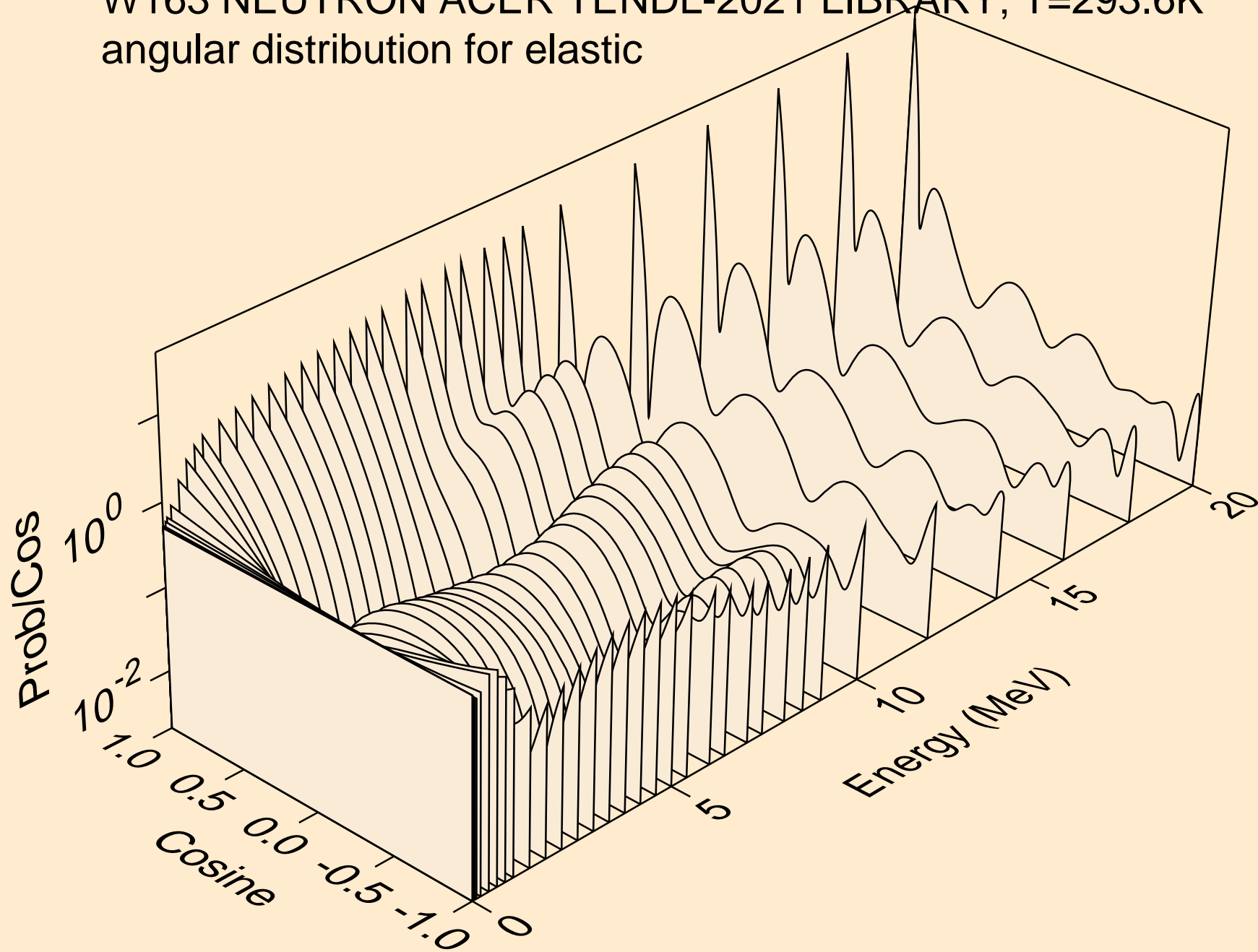
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



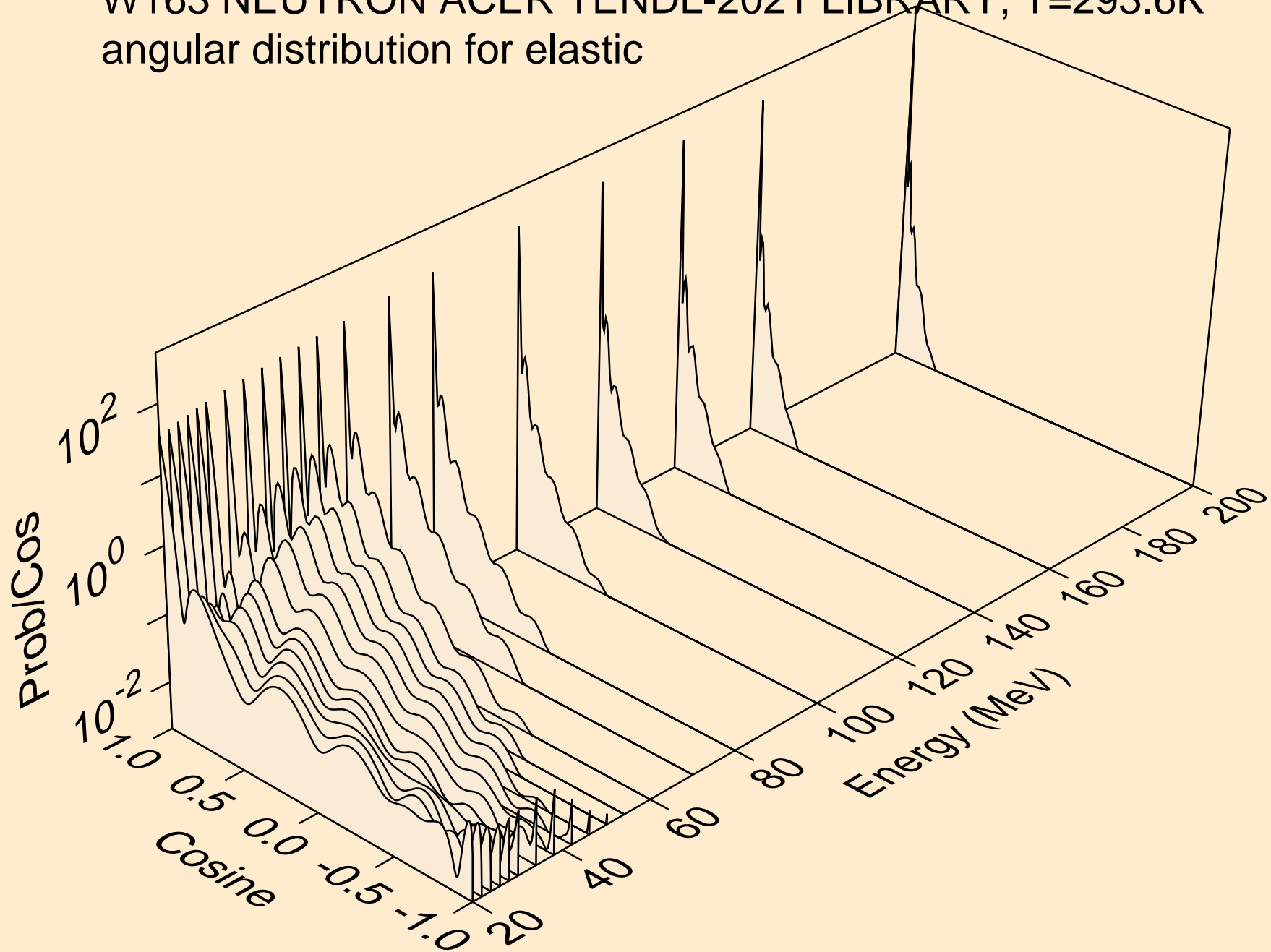
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions



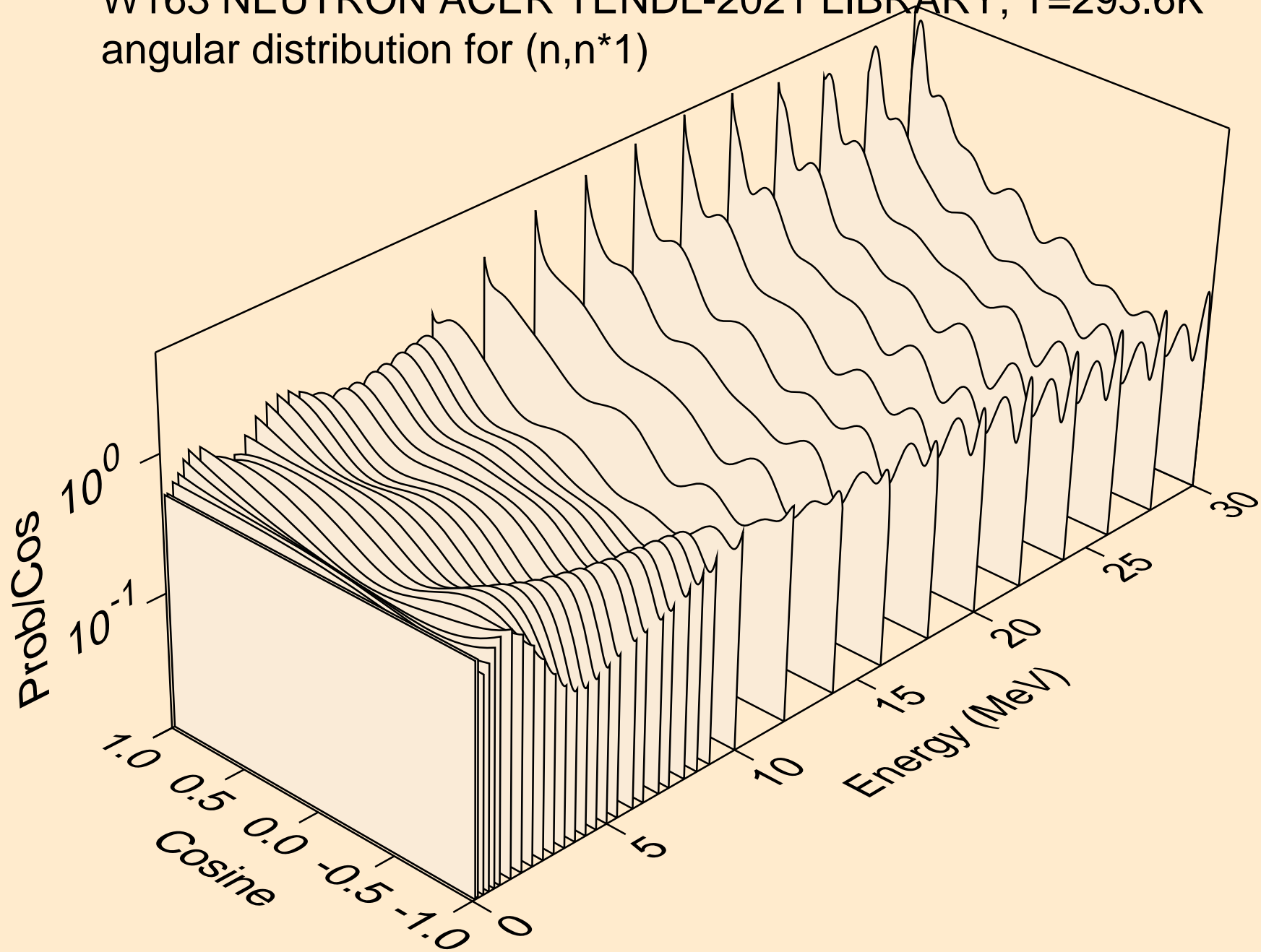
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic



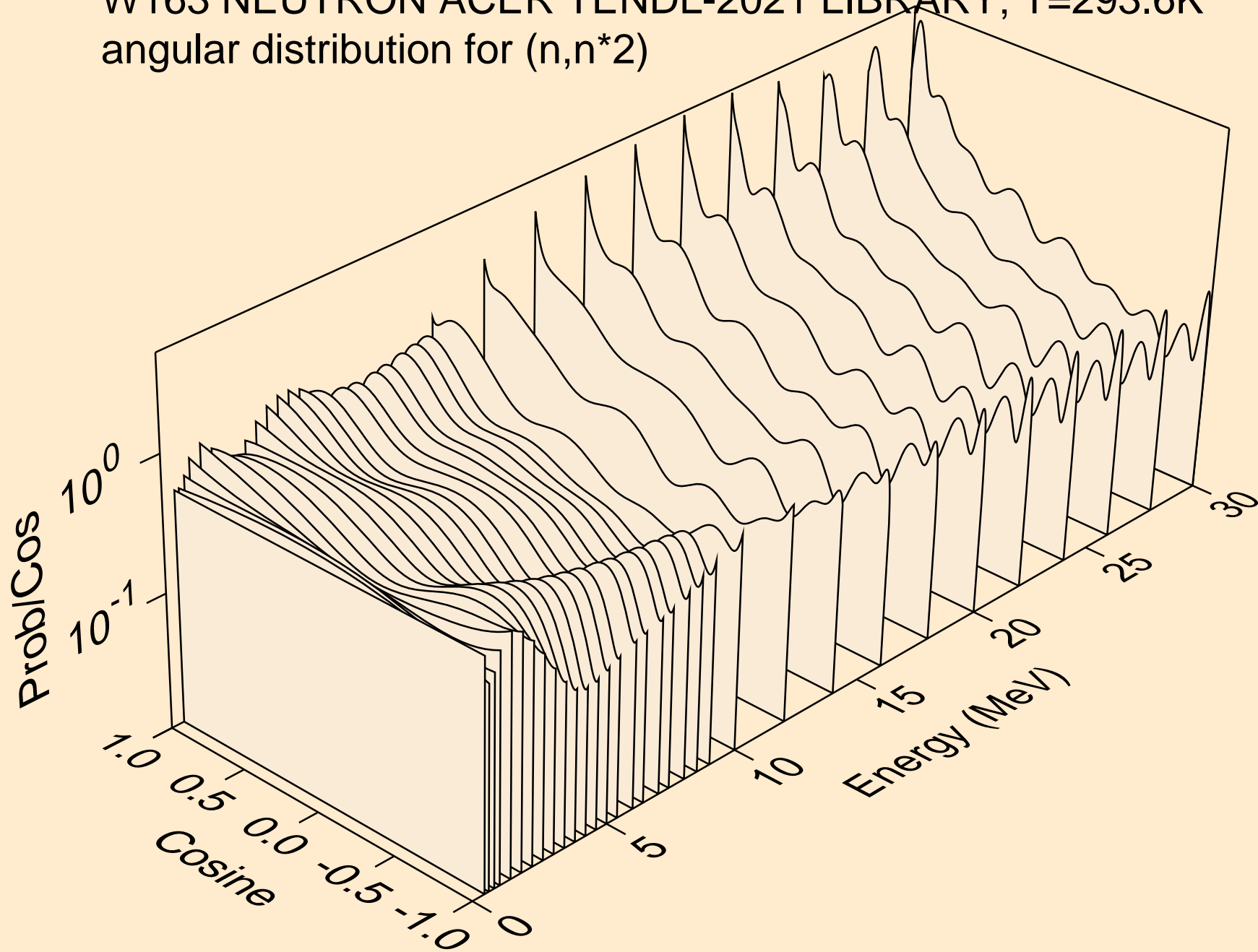
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic



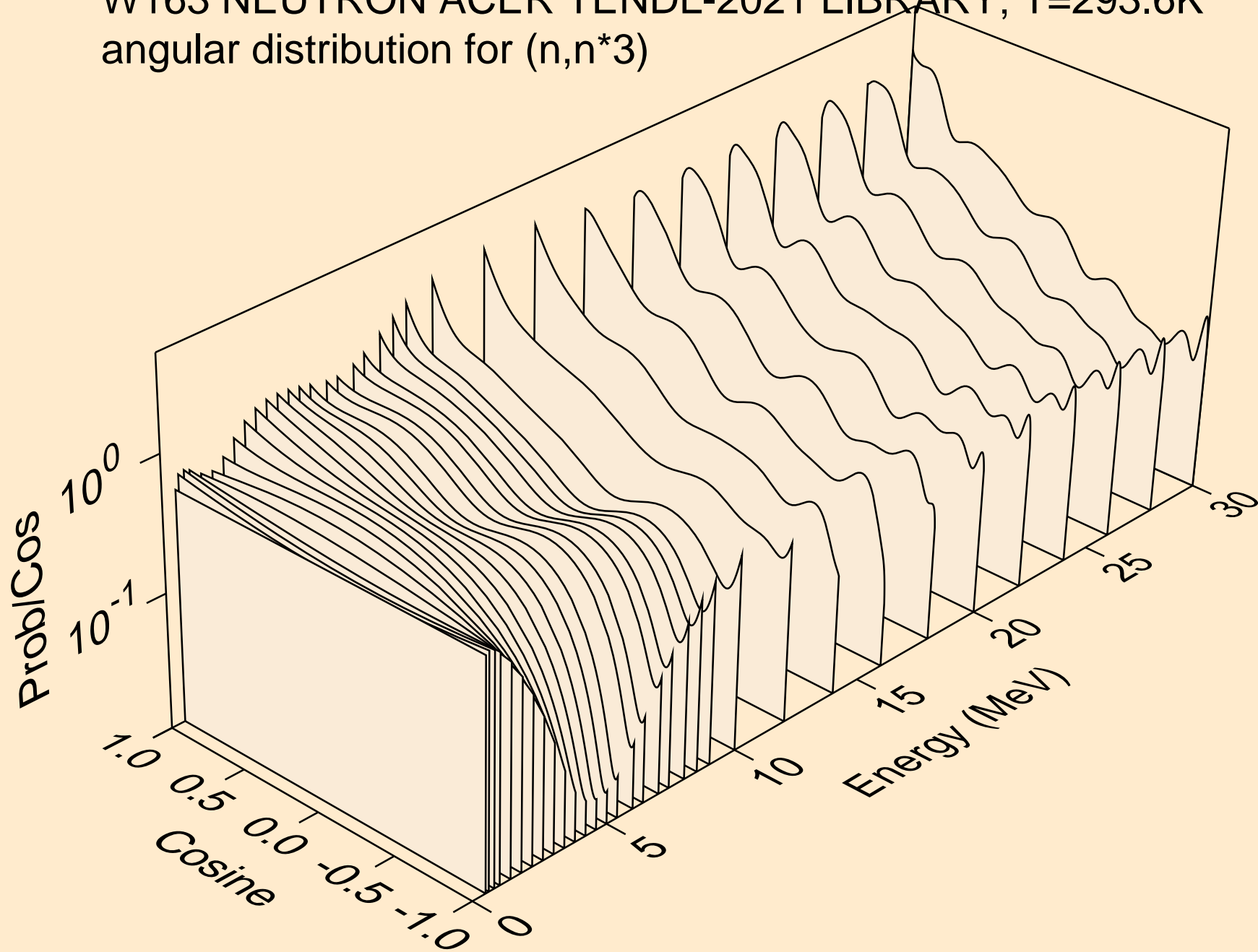
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for (n,n*1)



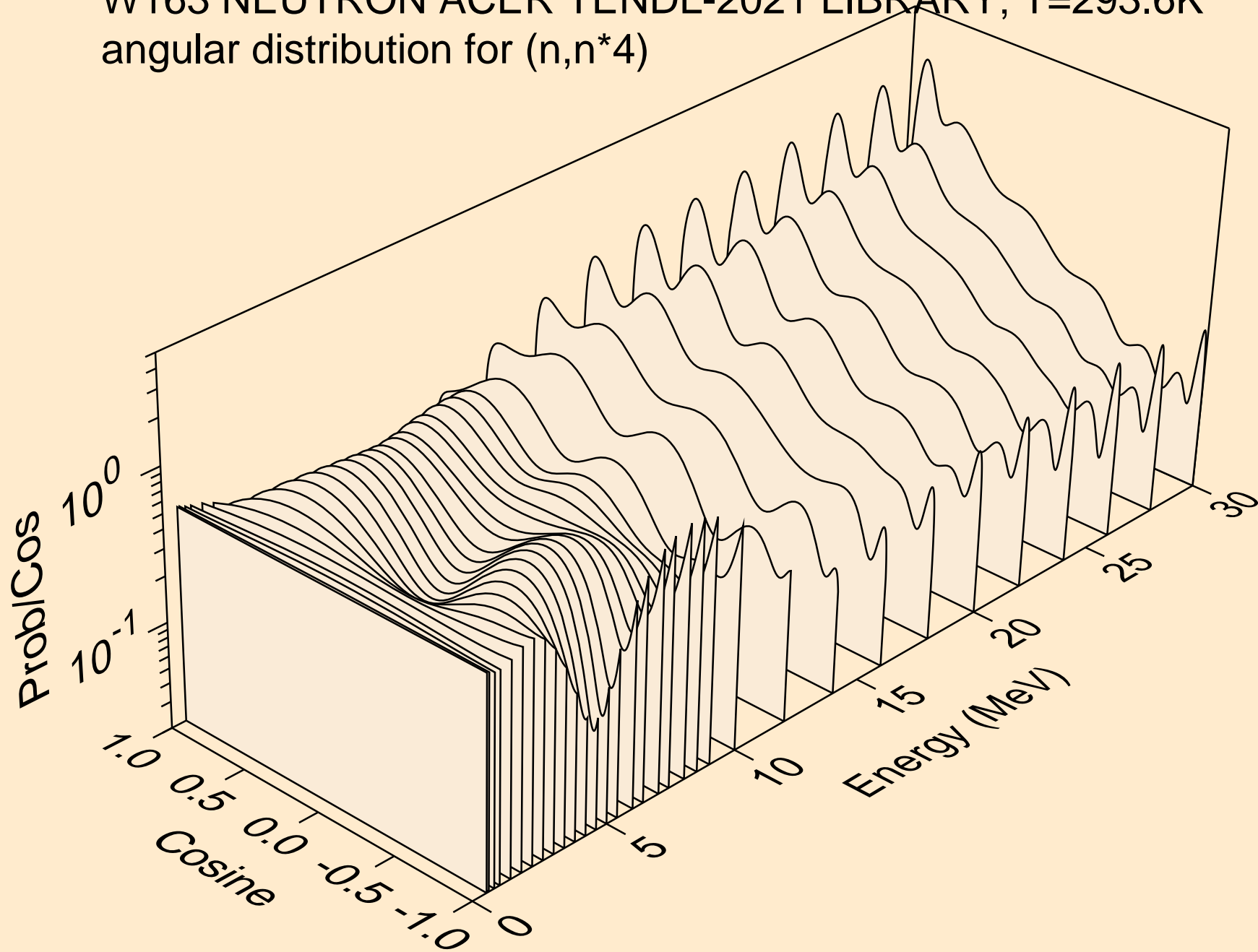
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angular distribution for (n,n*2)



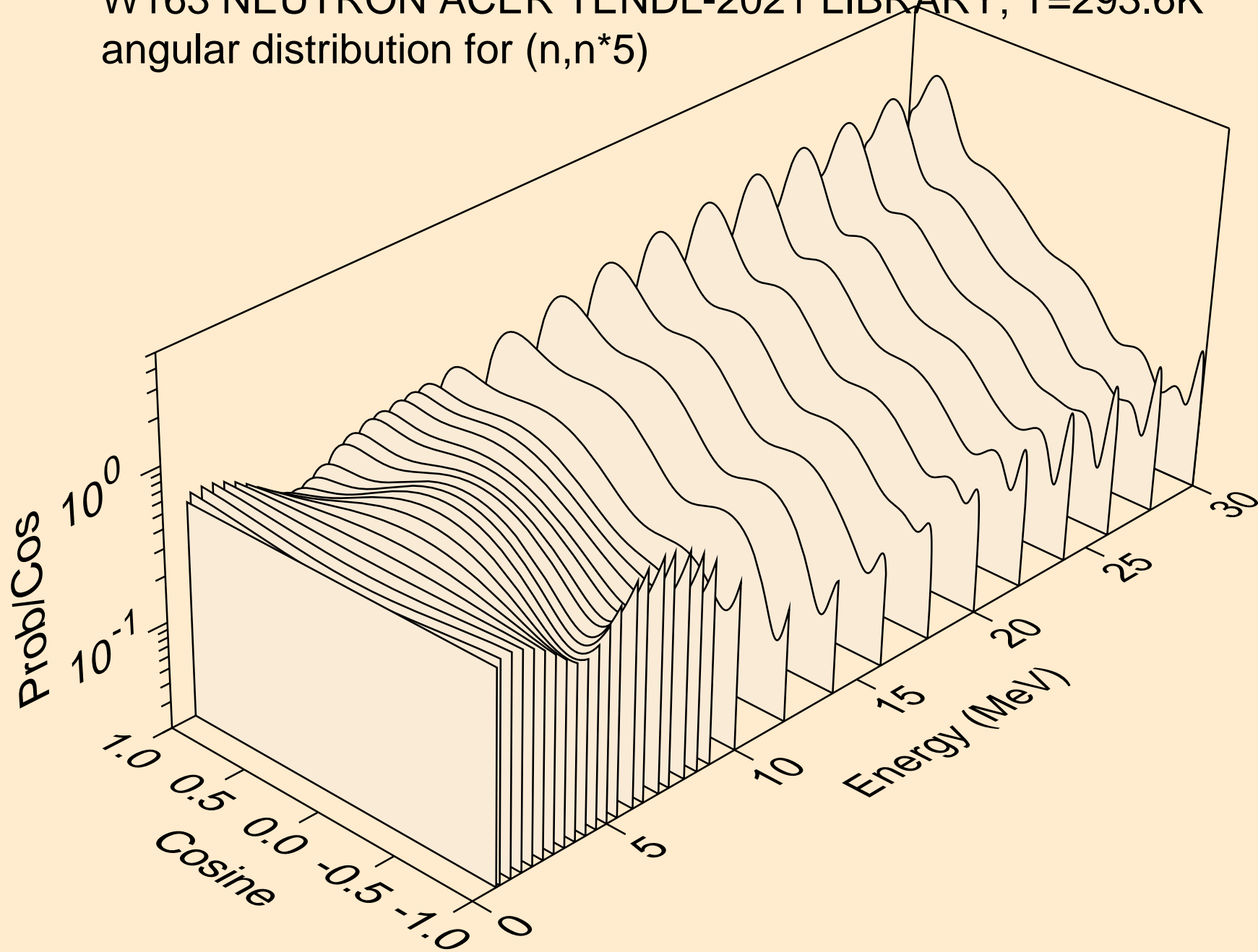
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angular distribution for (n,n*3)



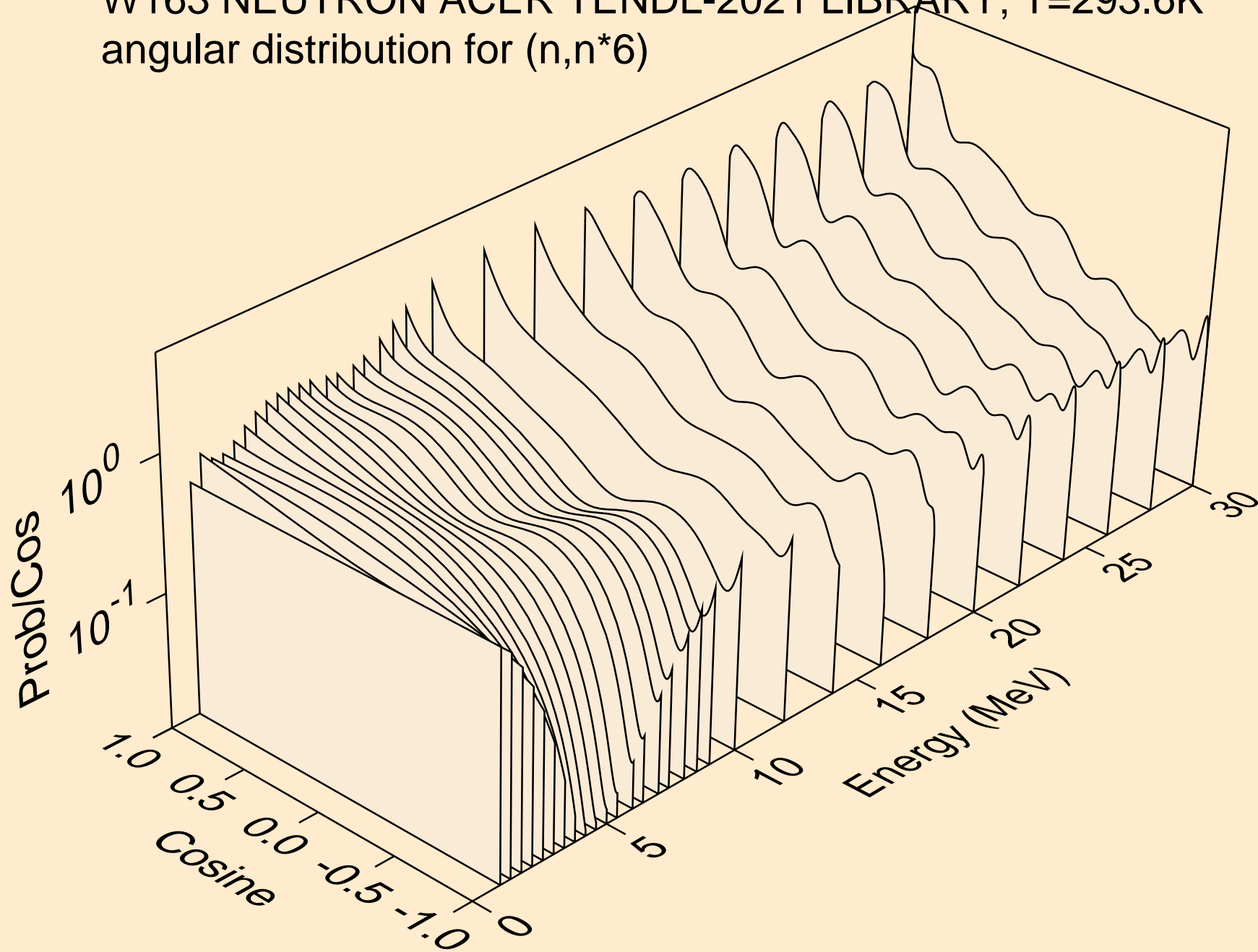
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angular distribution for (n,n*4)



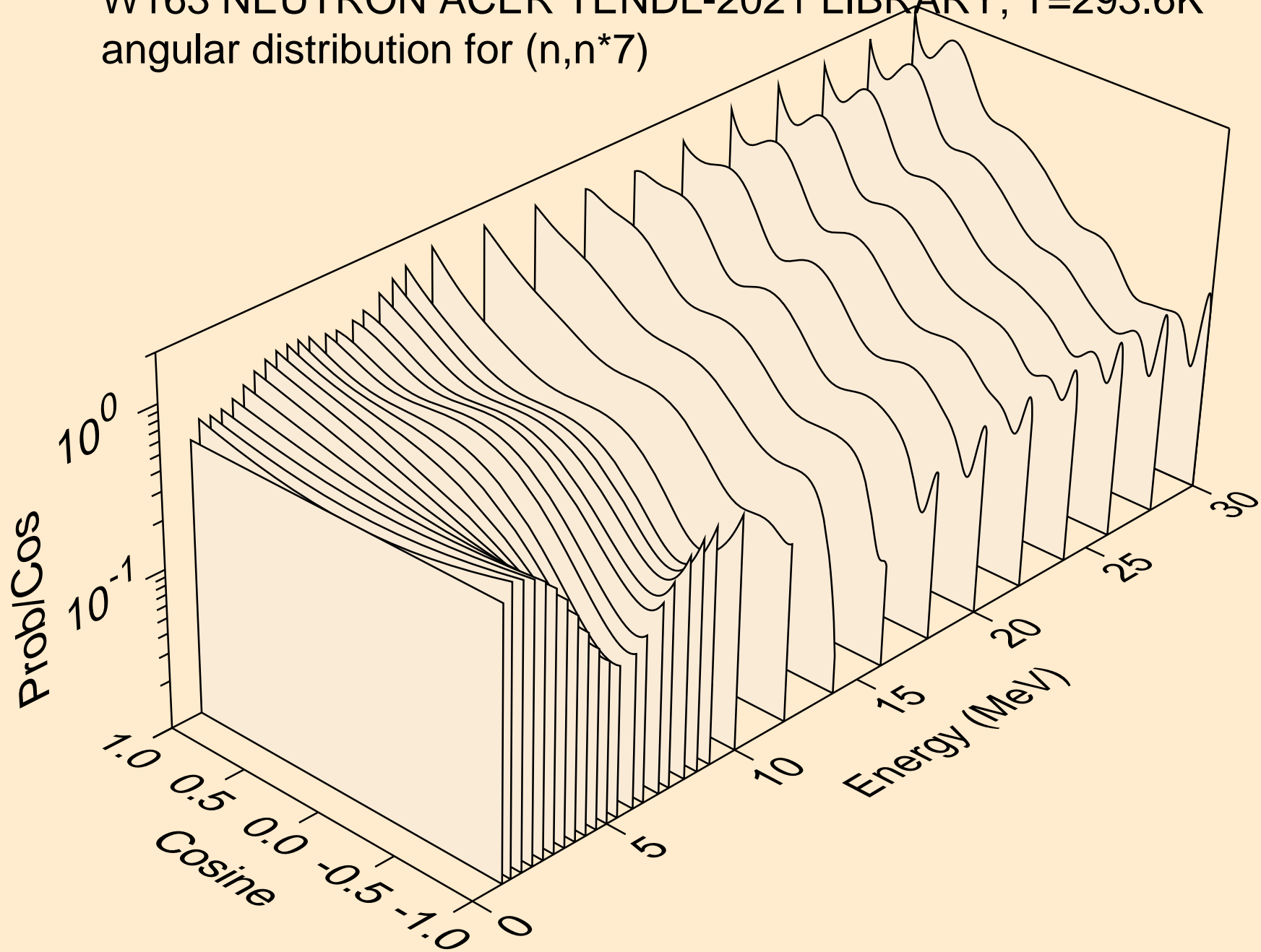
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angular distribution for (n,n*5)



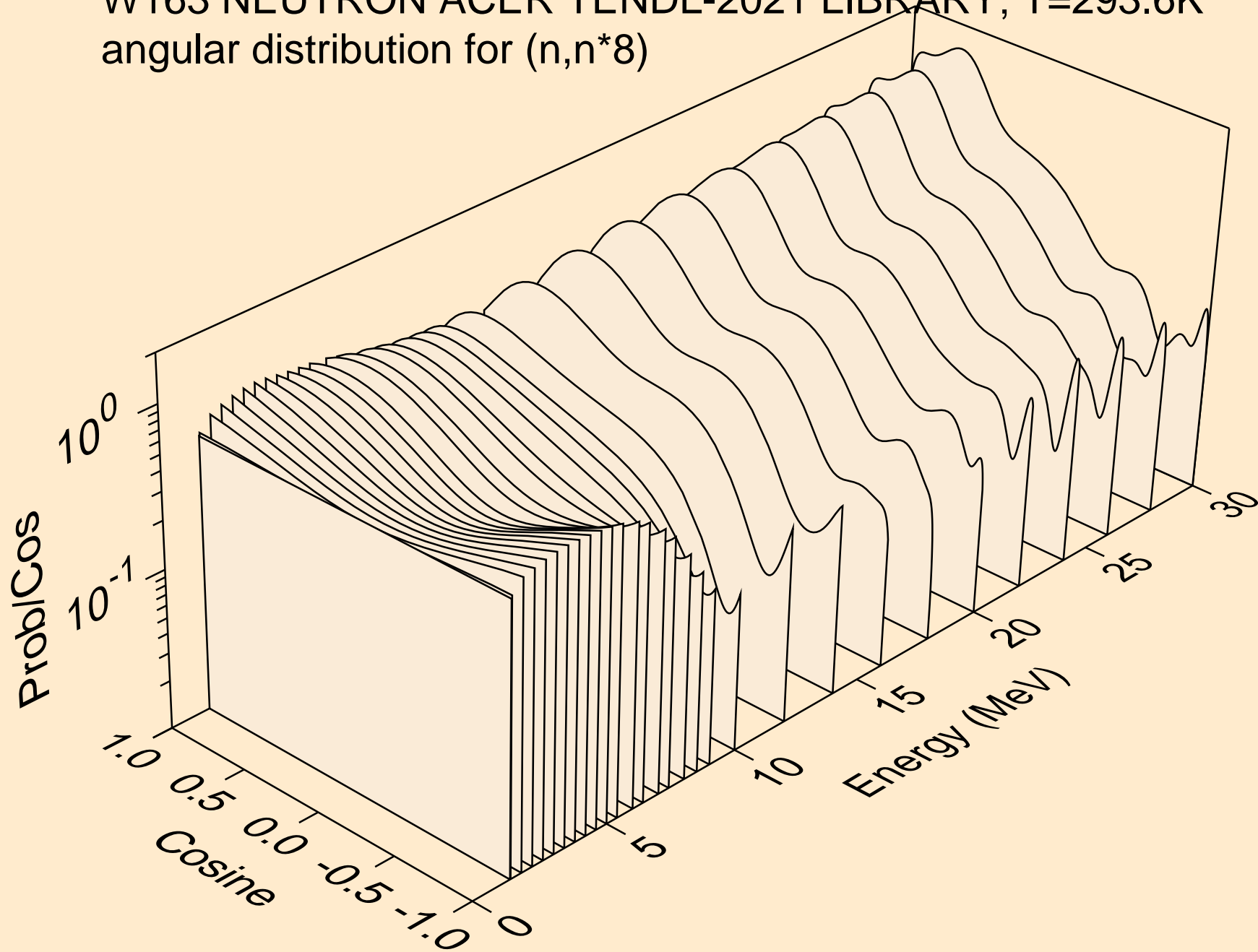
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angular distribution for (n,n*6)



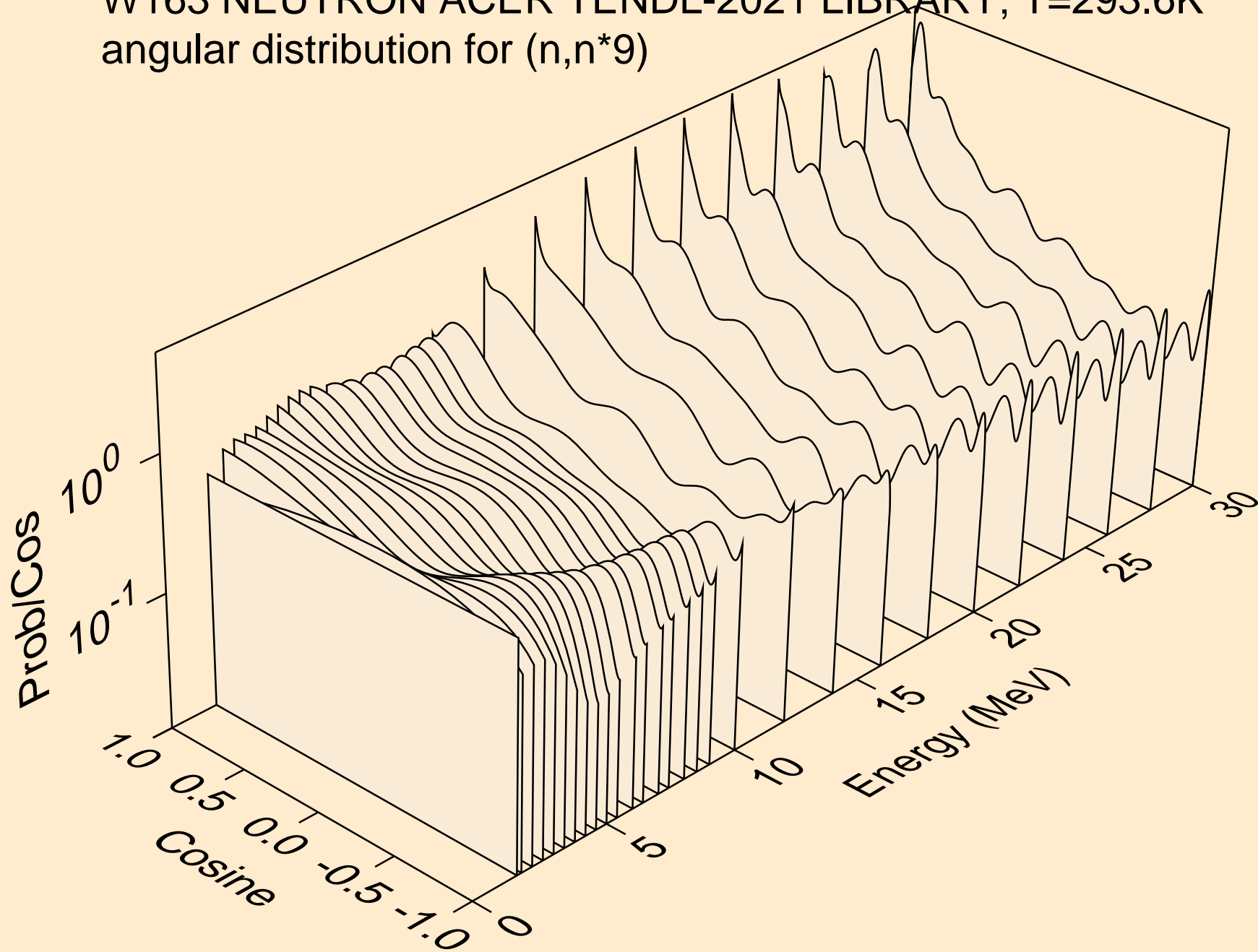
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angular distribution for (n,n*7)



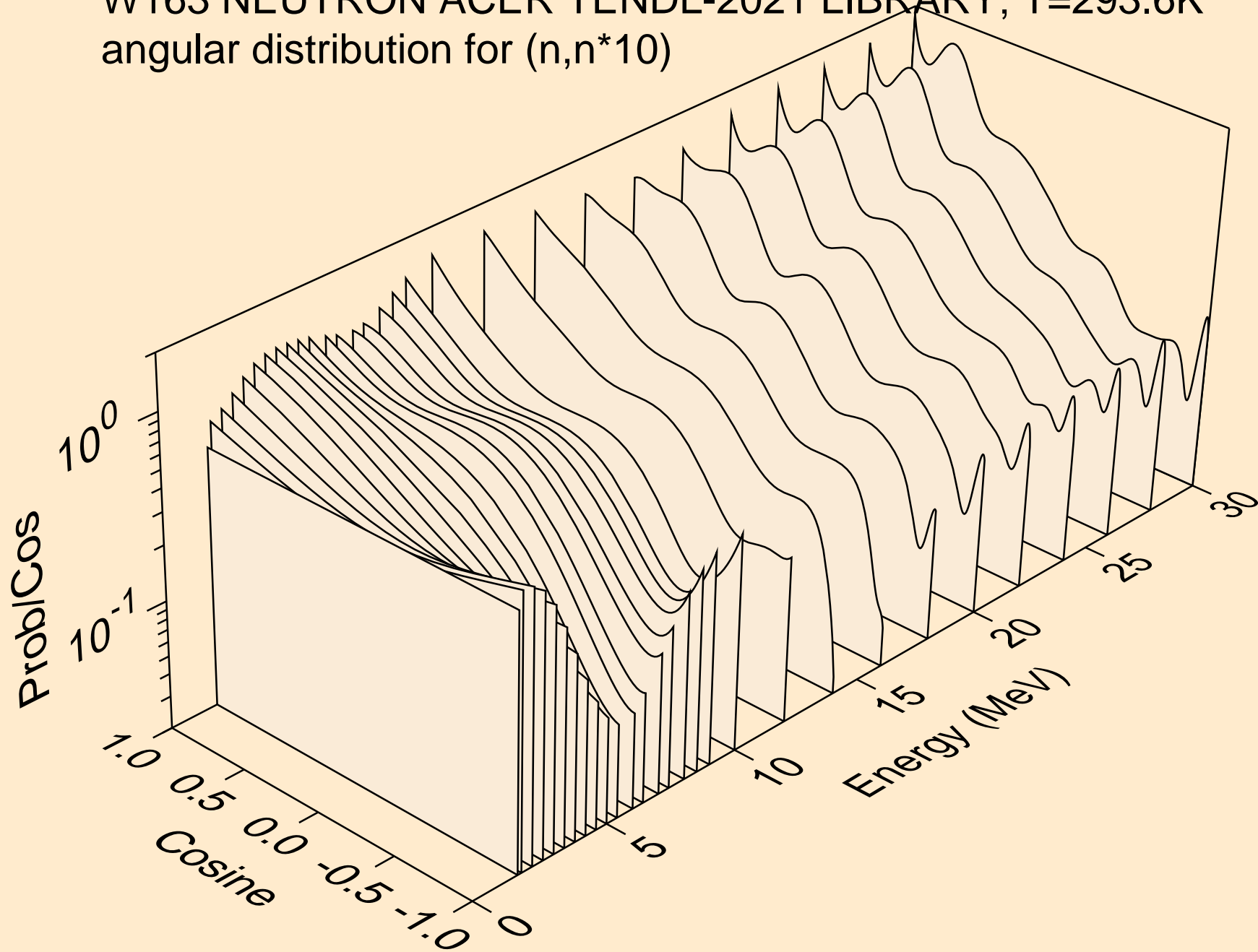
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angular distribution for (n,n*8)



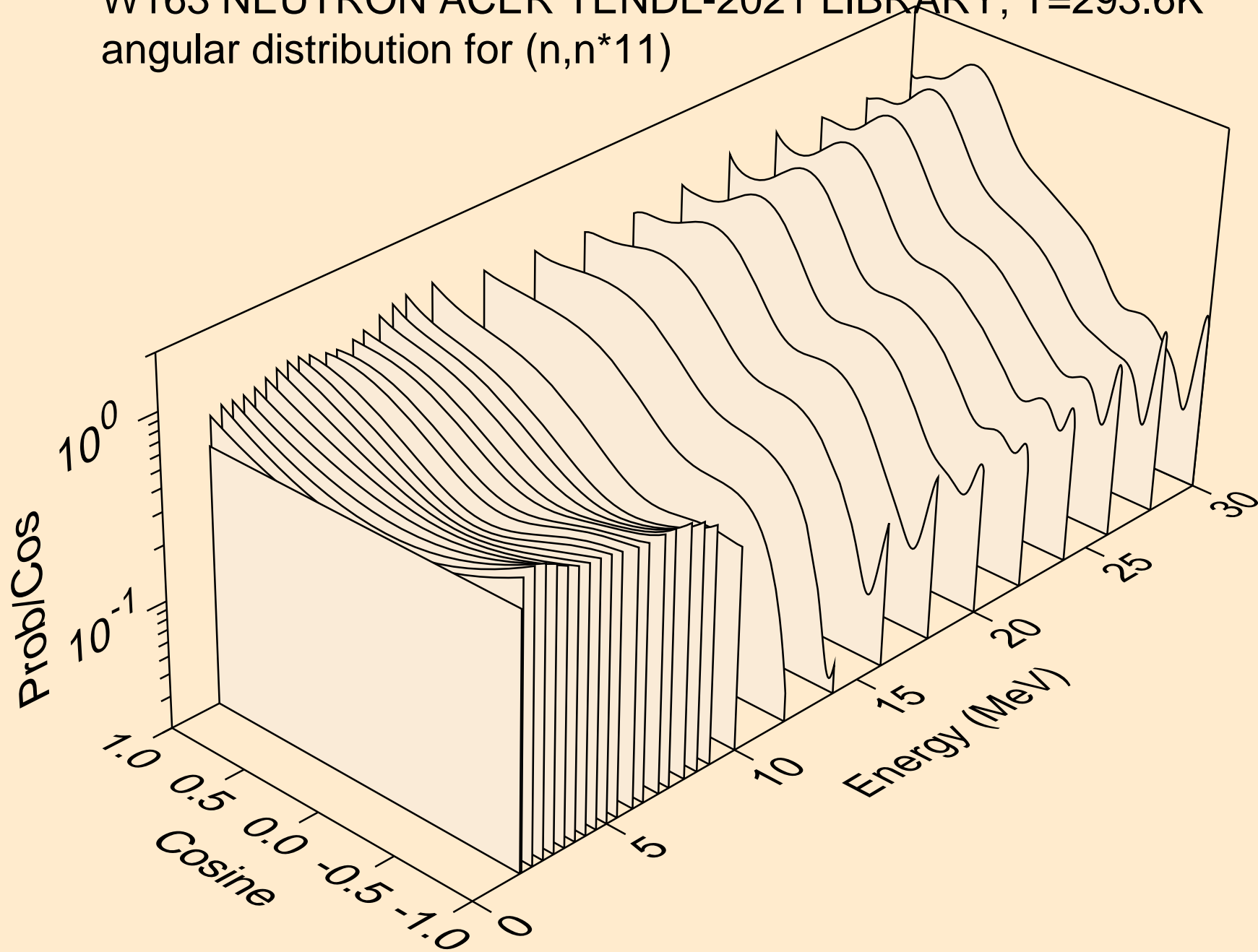
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angular distribution for (n,n*9)



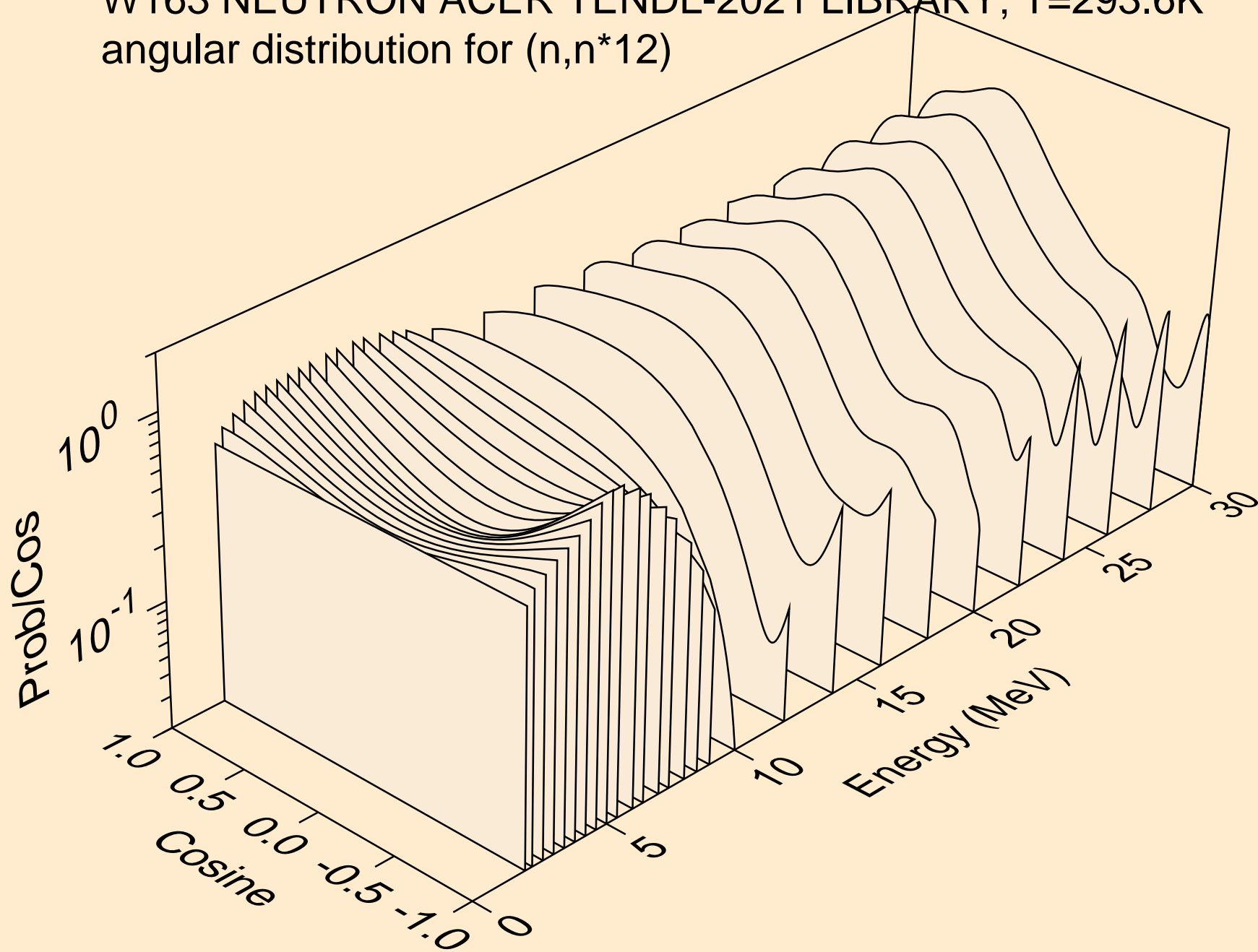
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angular distribution for (n,n*10)



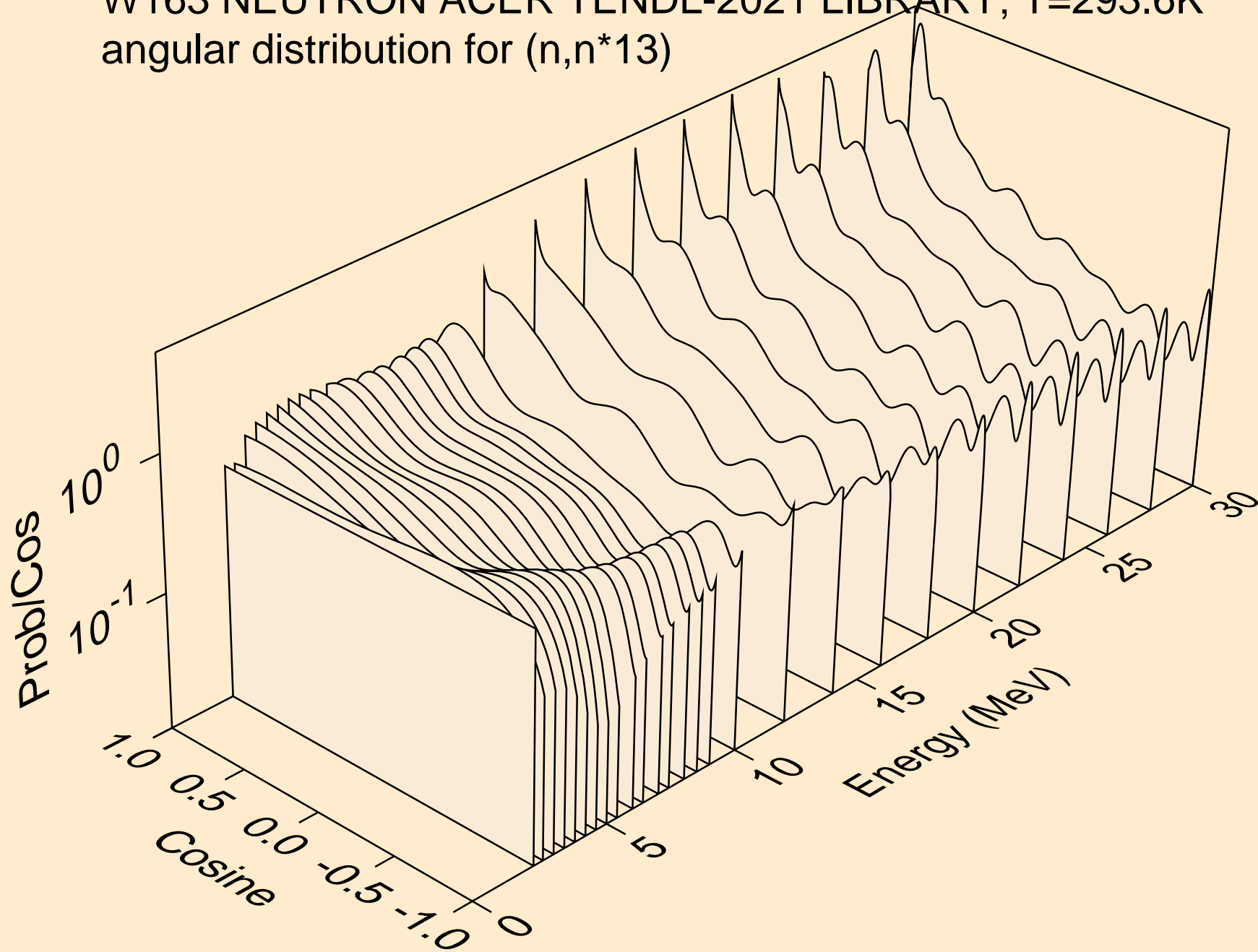
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angular distribution for (n,n*11)



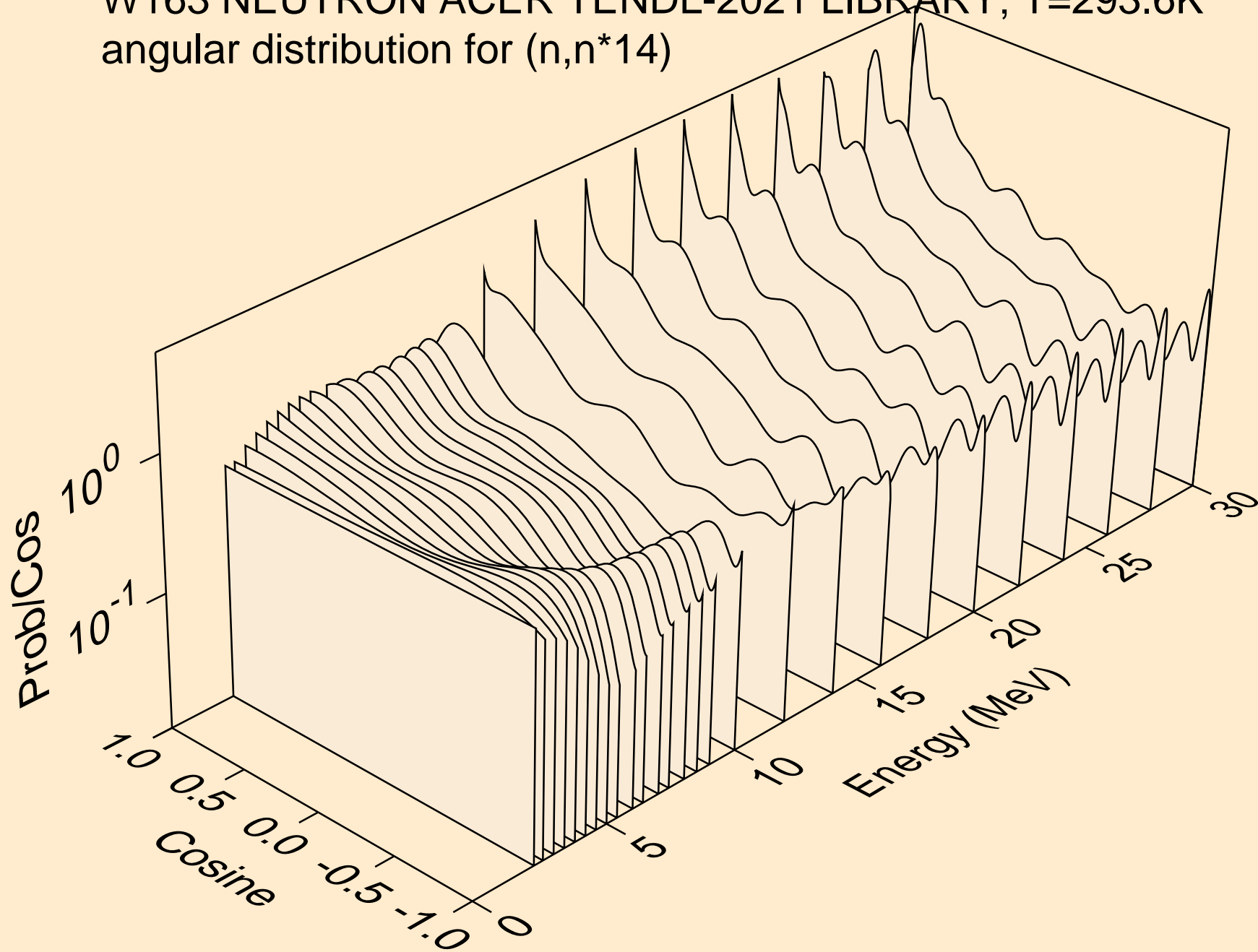
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angular distribution for (n,n*12)



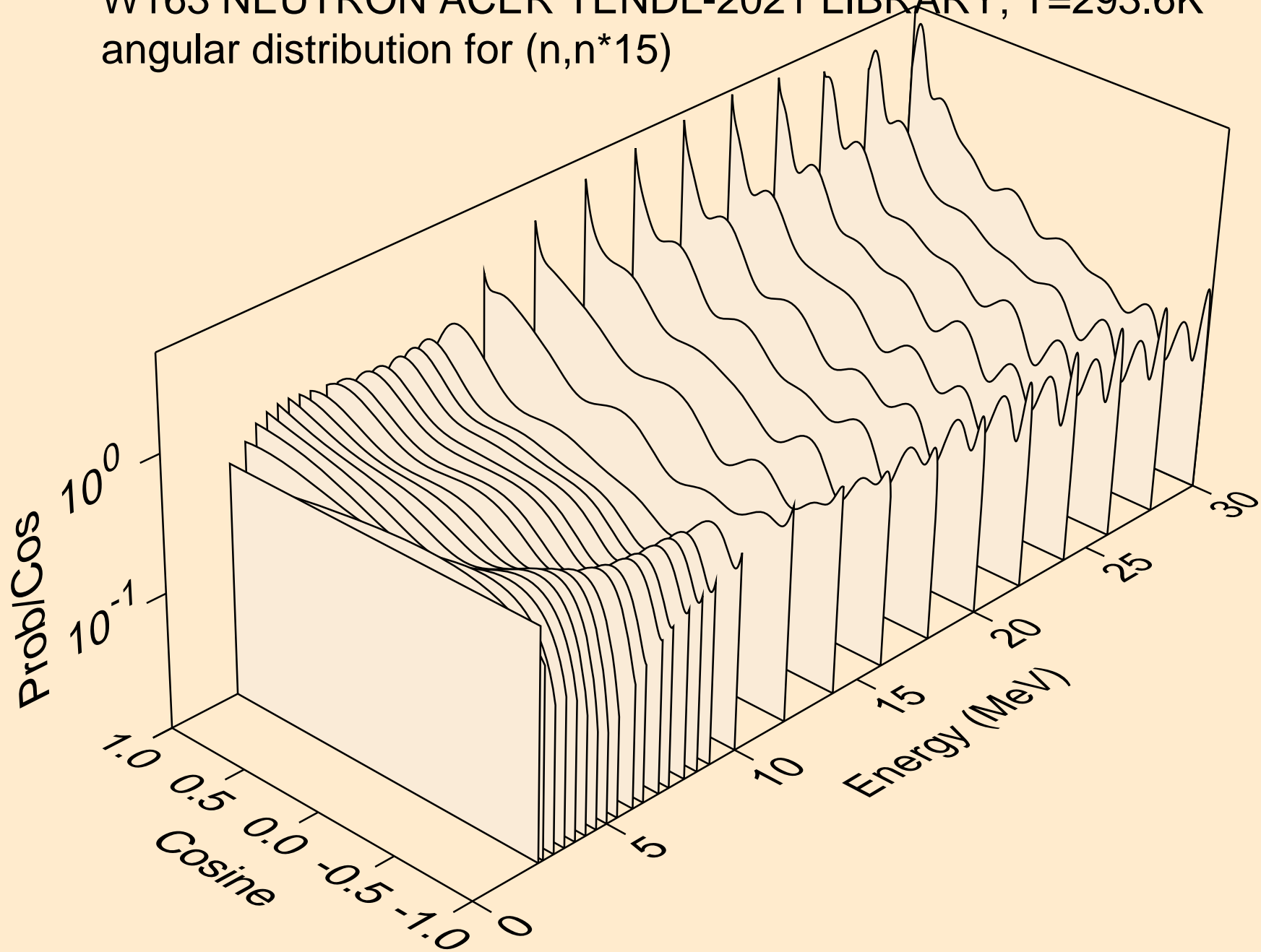
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angular distribution for (n,n*13)



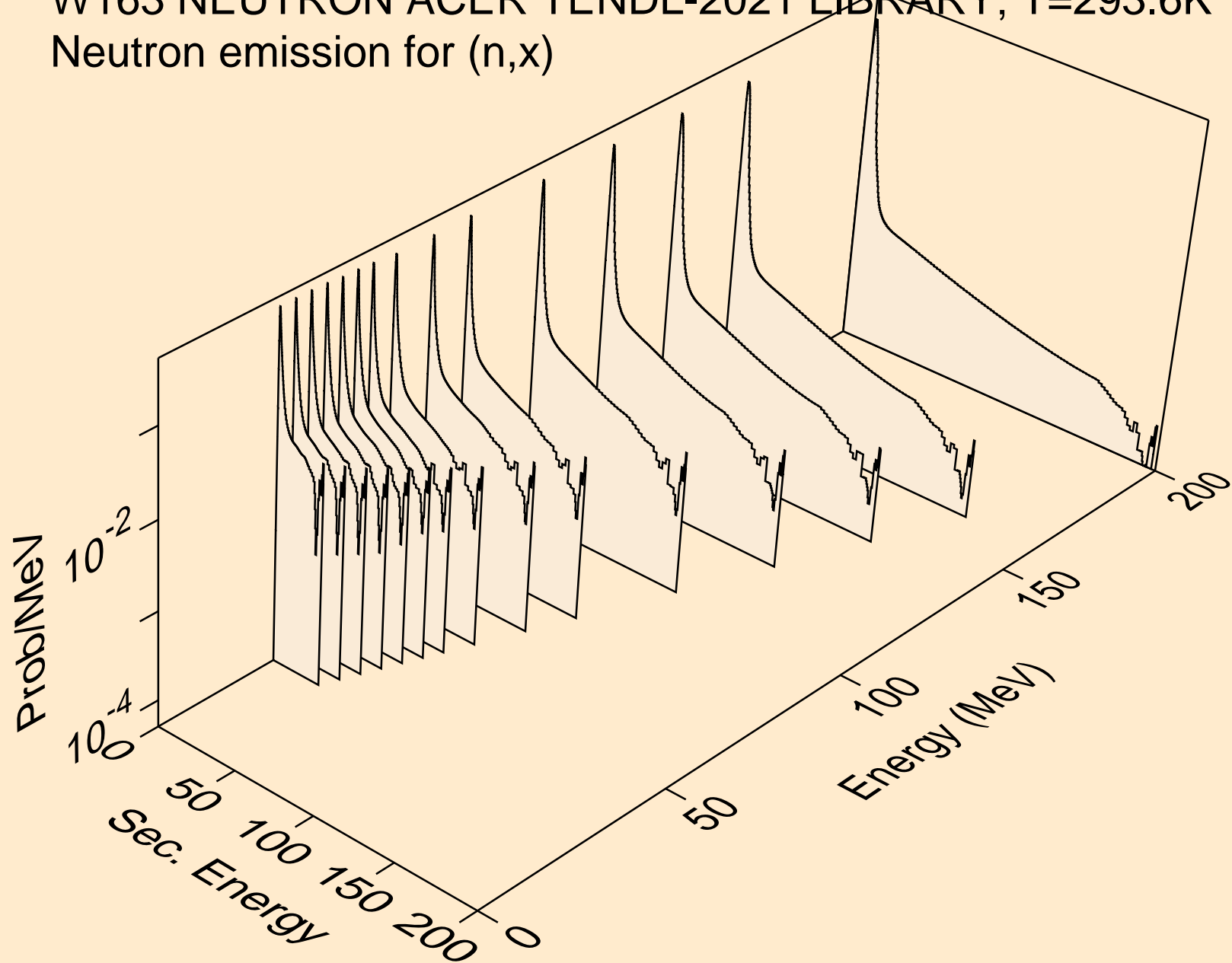
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angular distribution for (n,n*14)



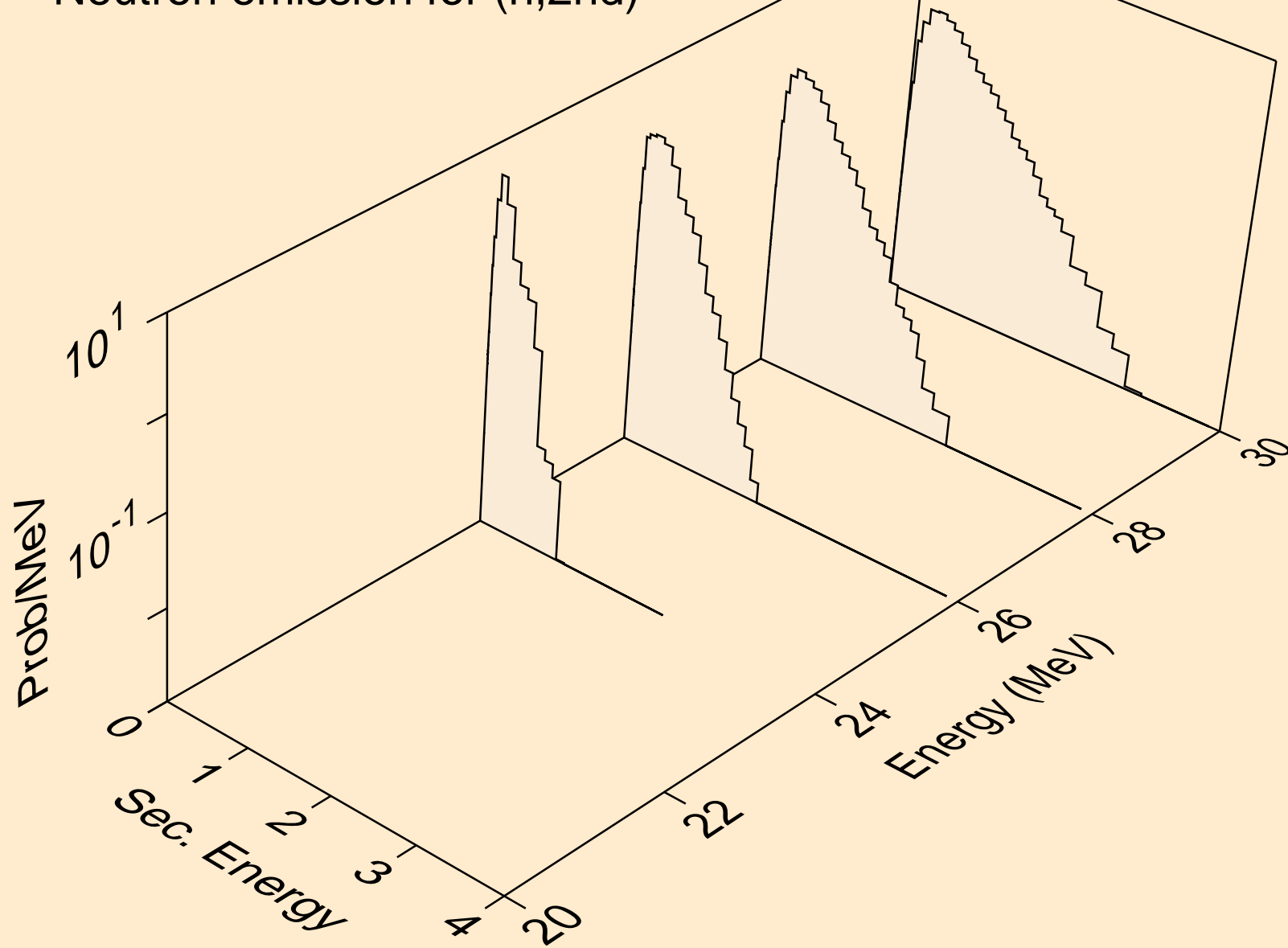
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angular distribution for (n,n*15)



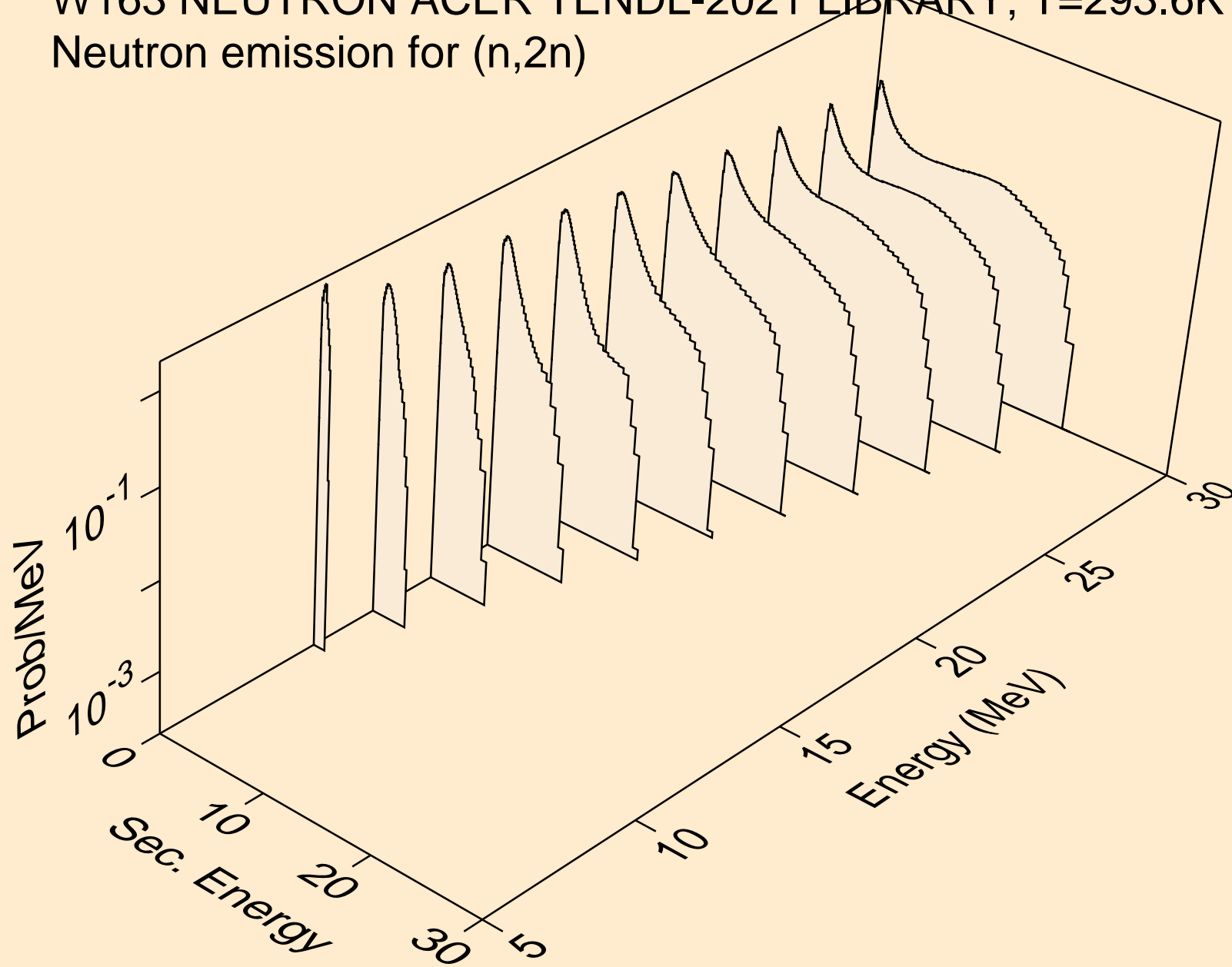
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,x)



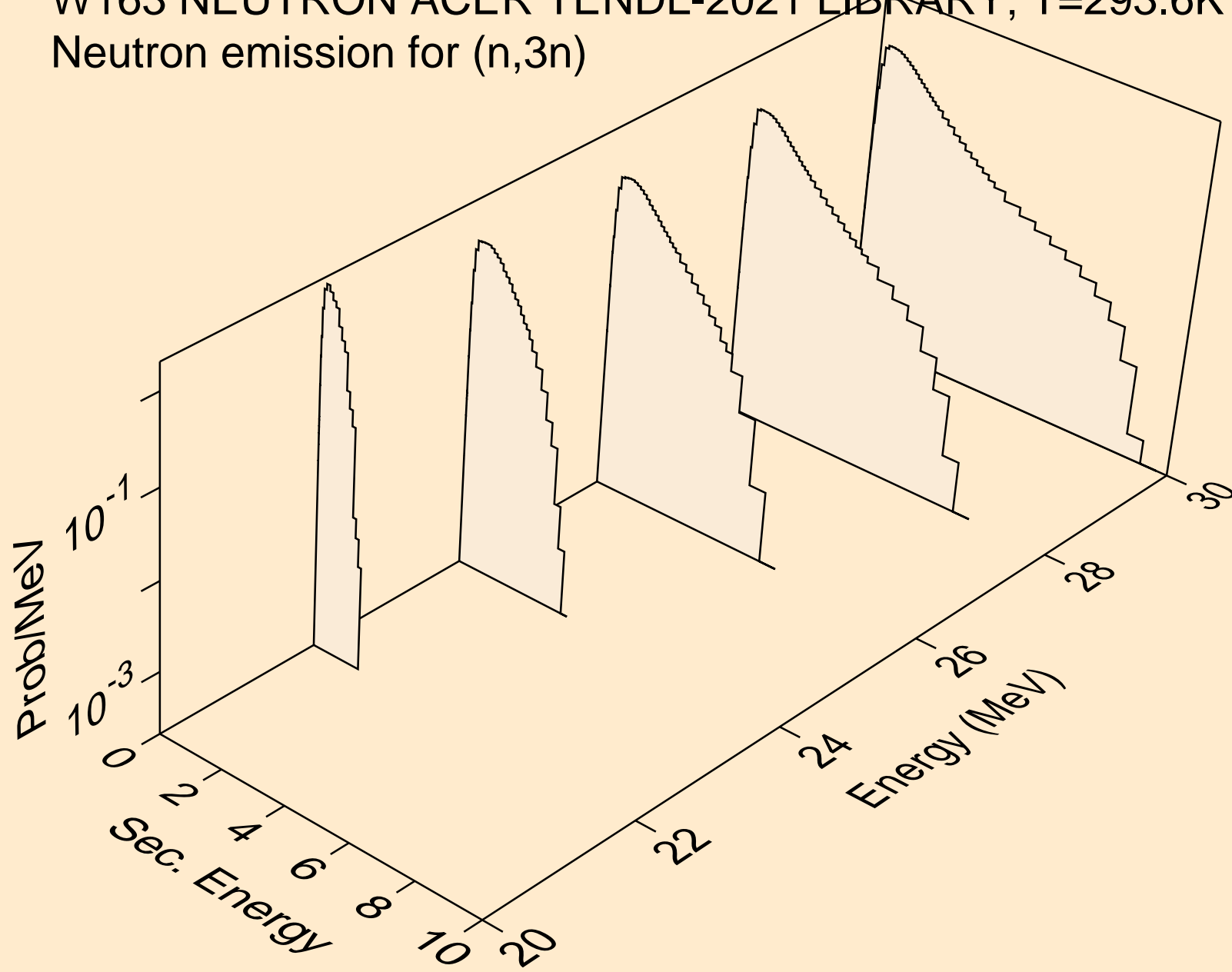
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2nd)



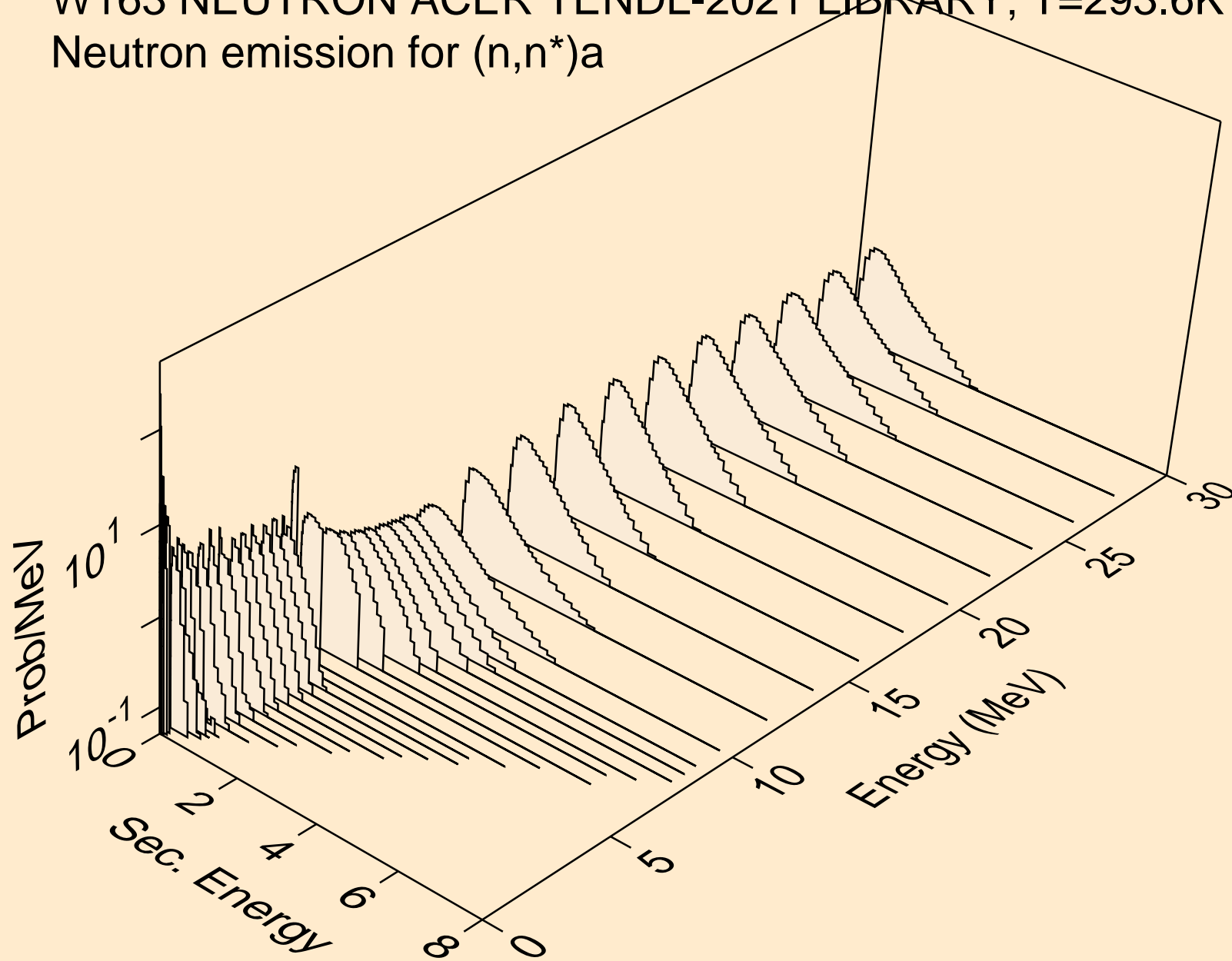
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Neutron emission for (n,2n)



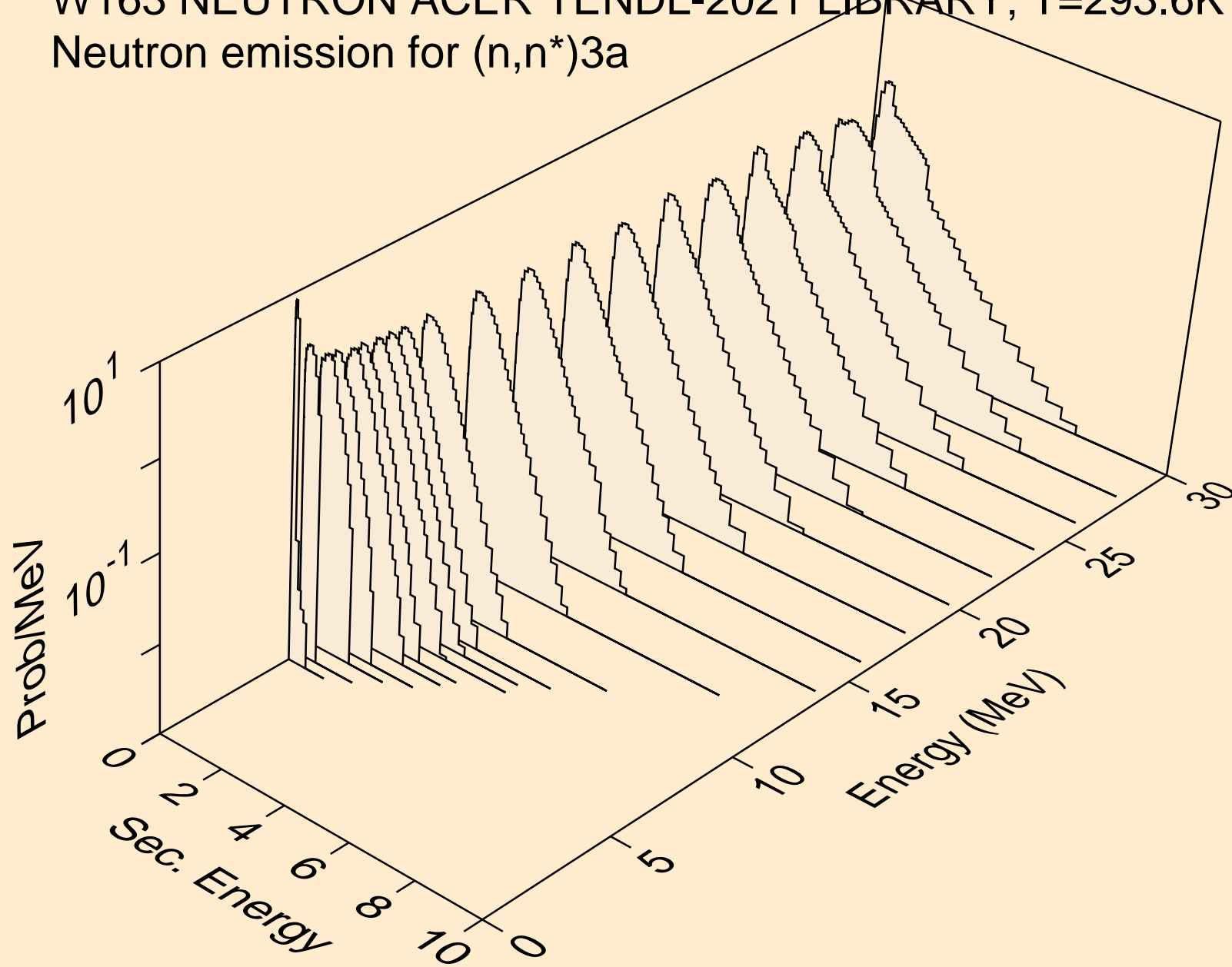
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,3n)



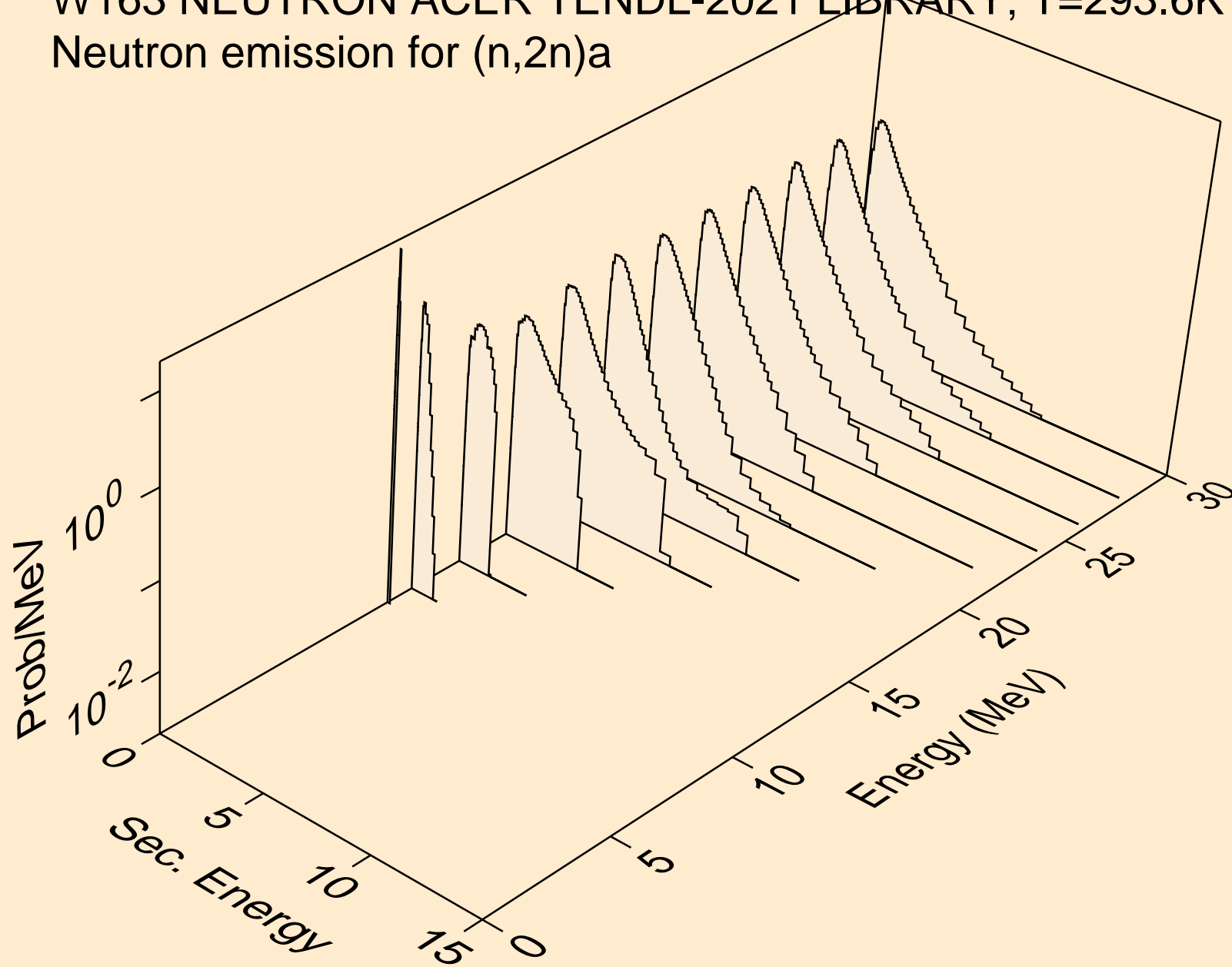
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)a



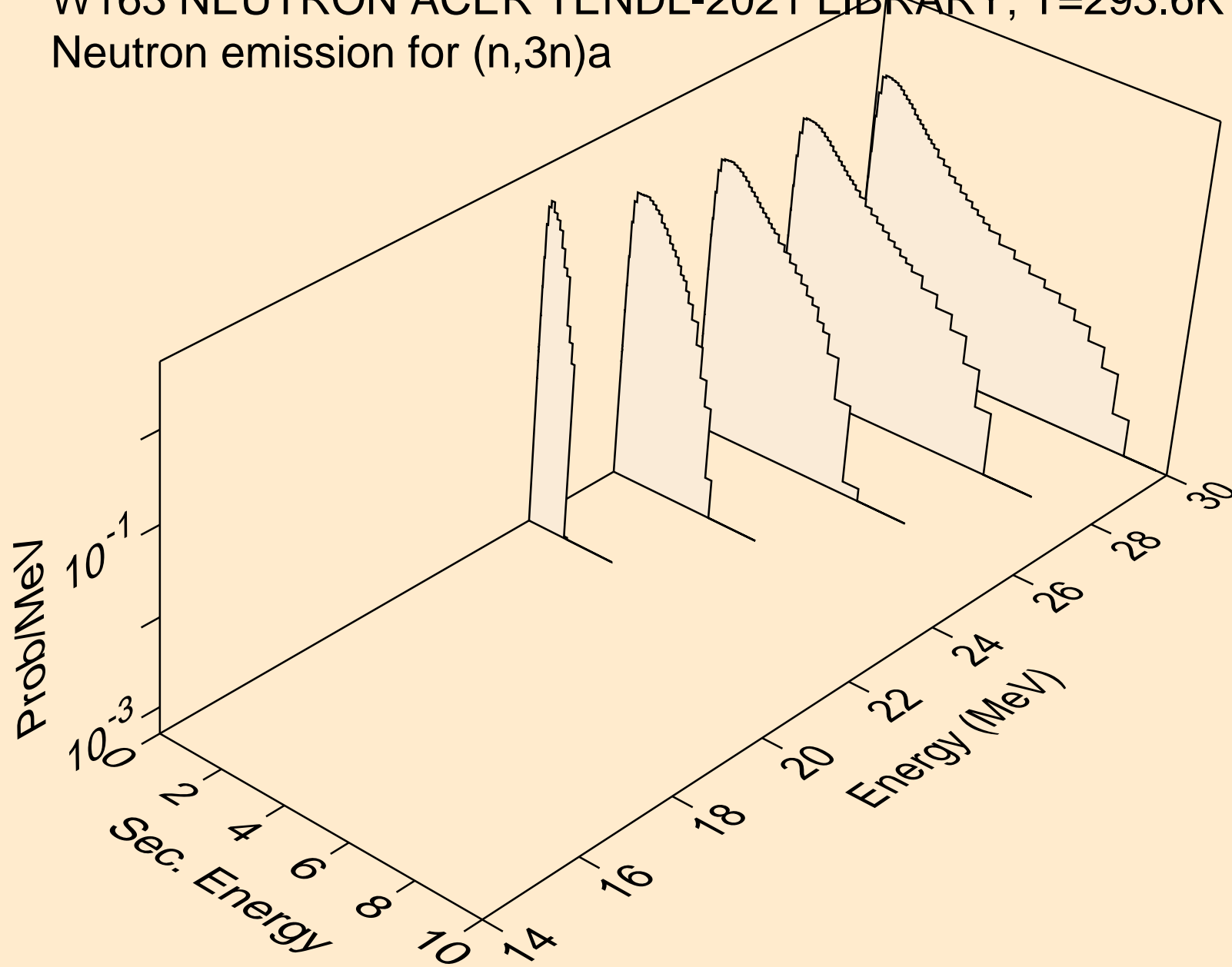
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Neutron emission for (n,n*)3a



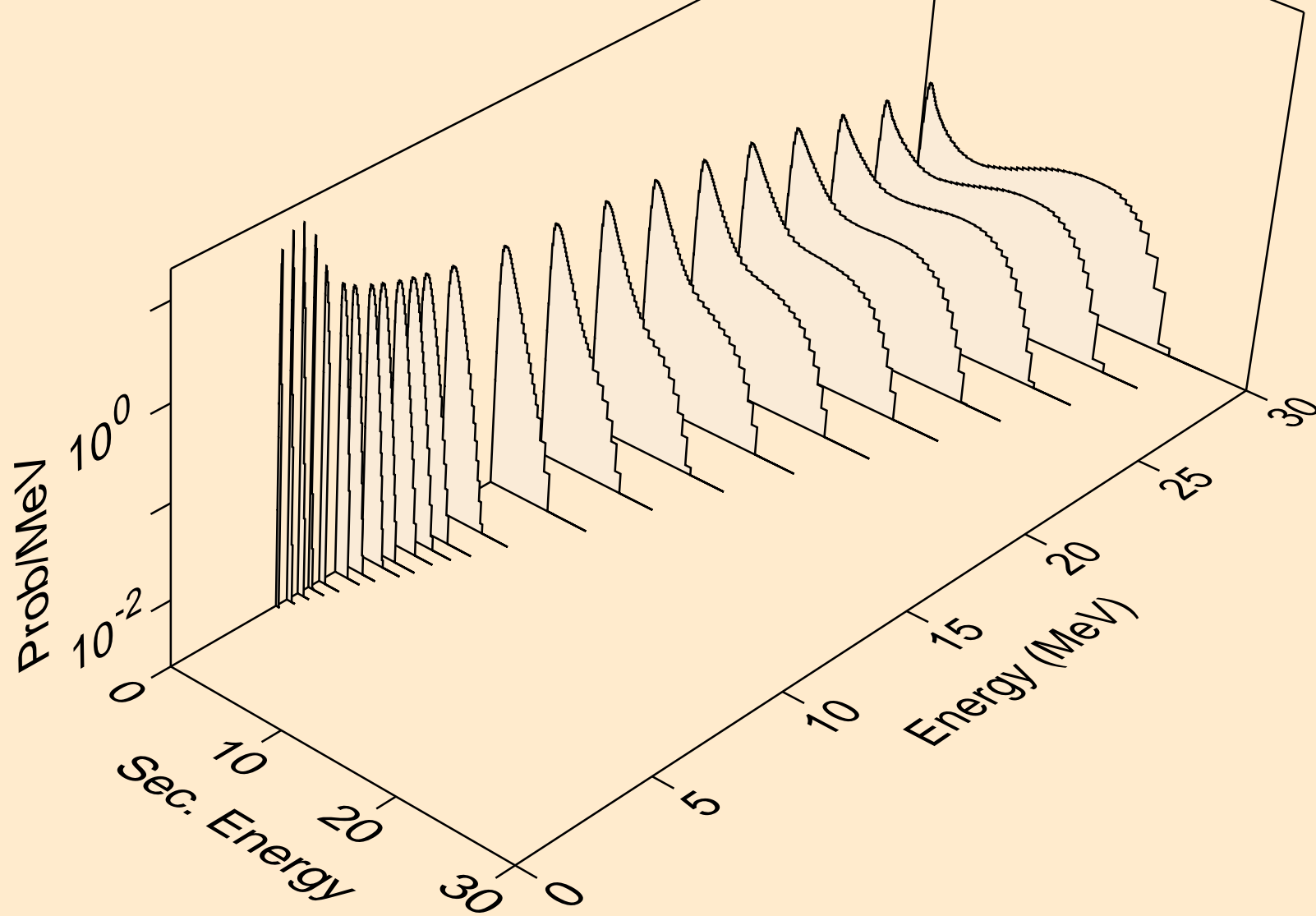
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,2n)a



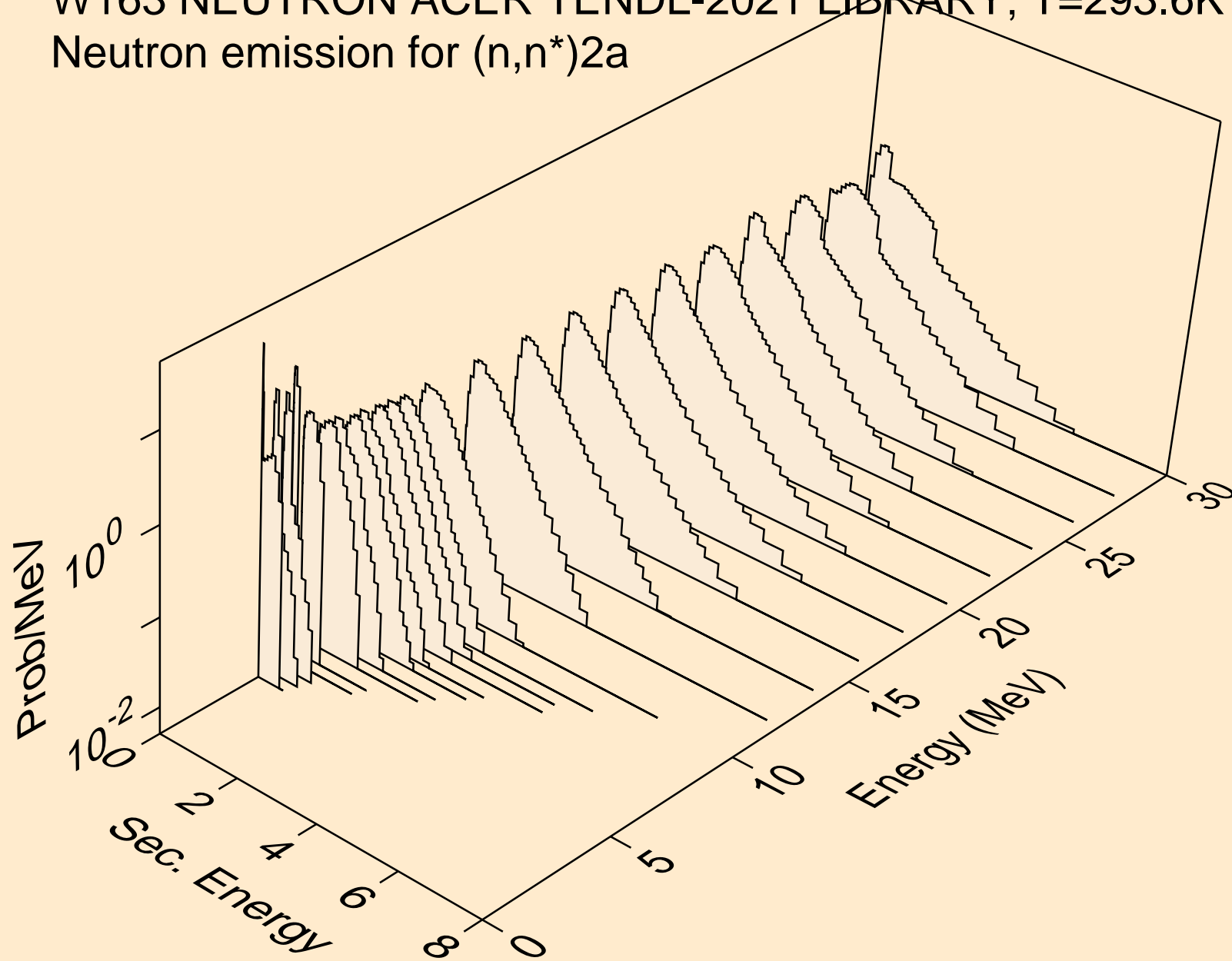
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Neutron emission for (n,3n)a



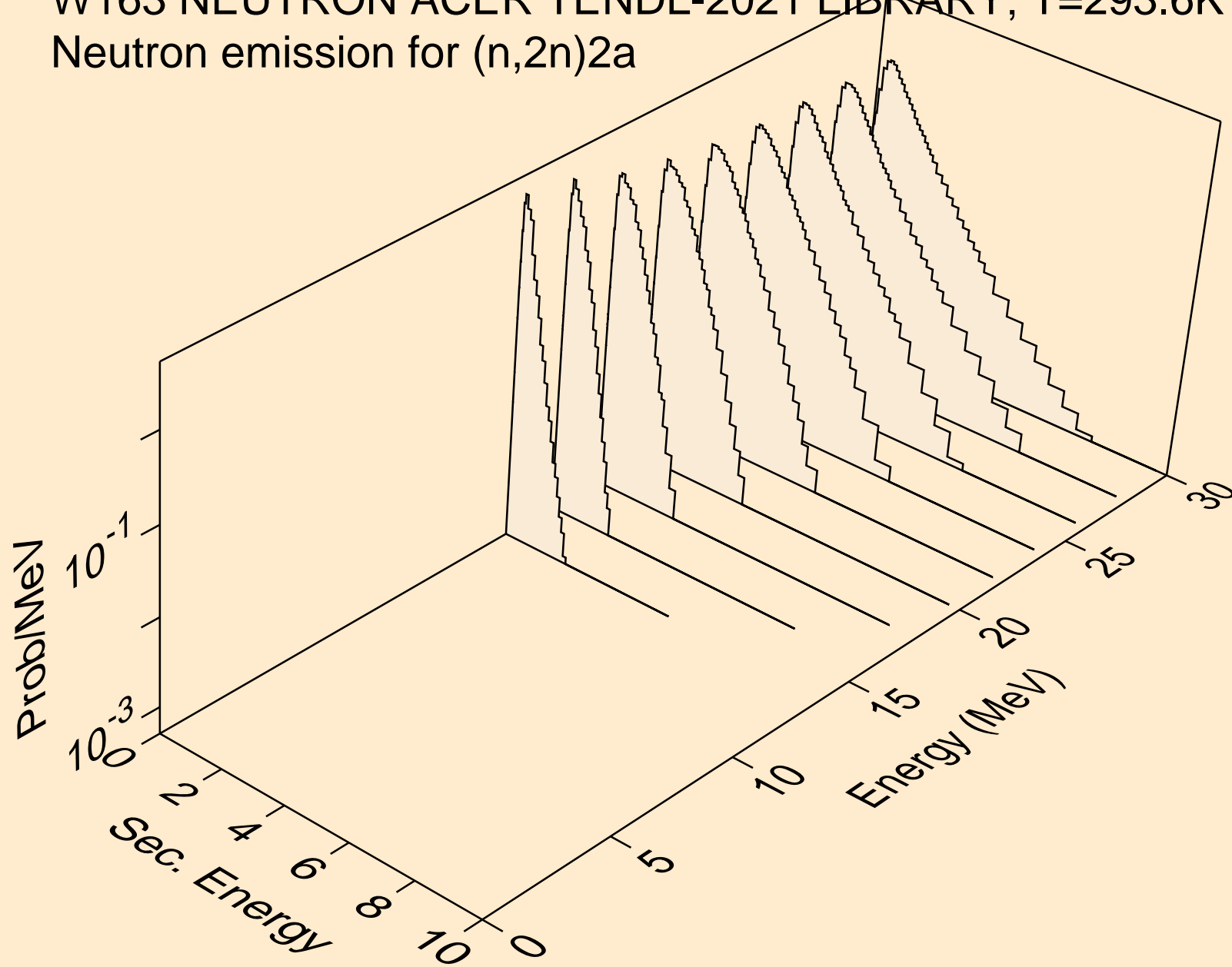
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*)p



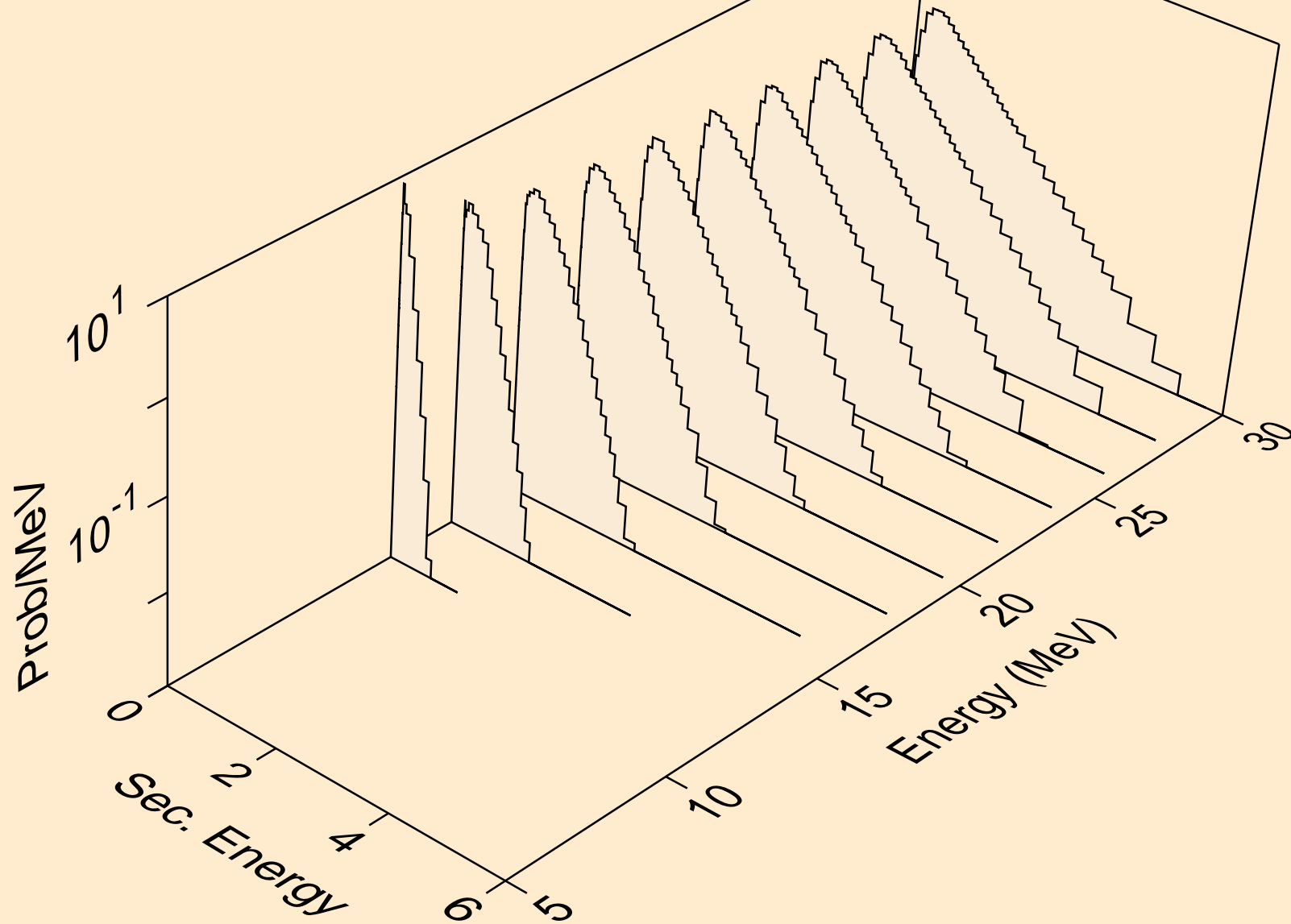
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Neutron emission for (n,n*)2a



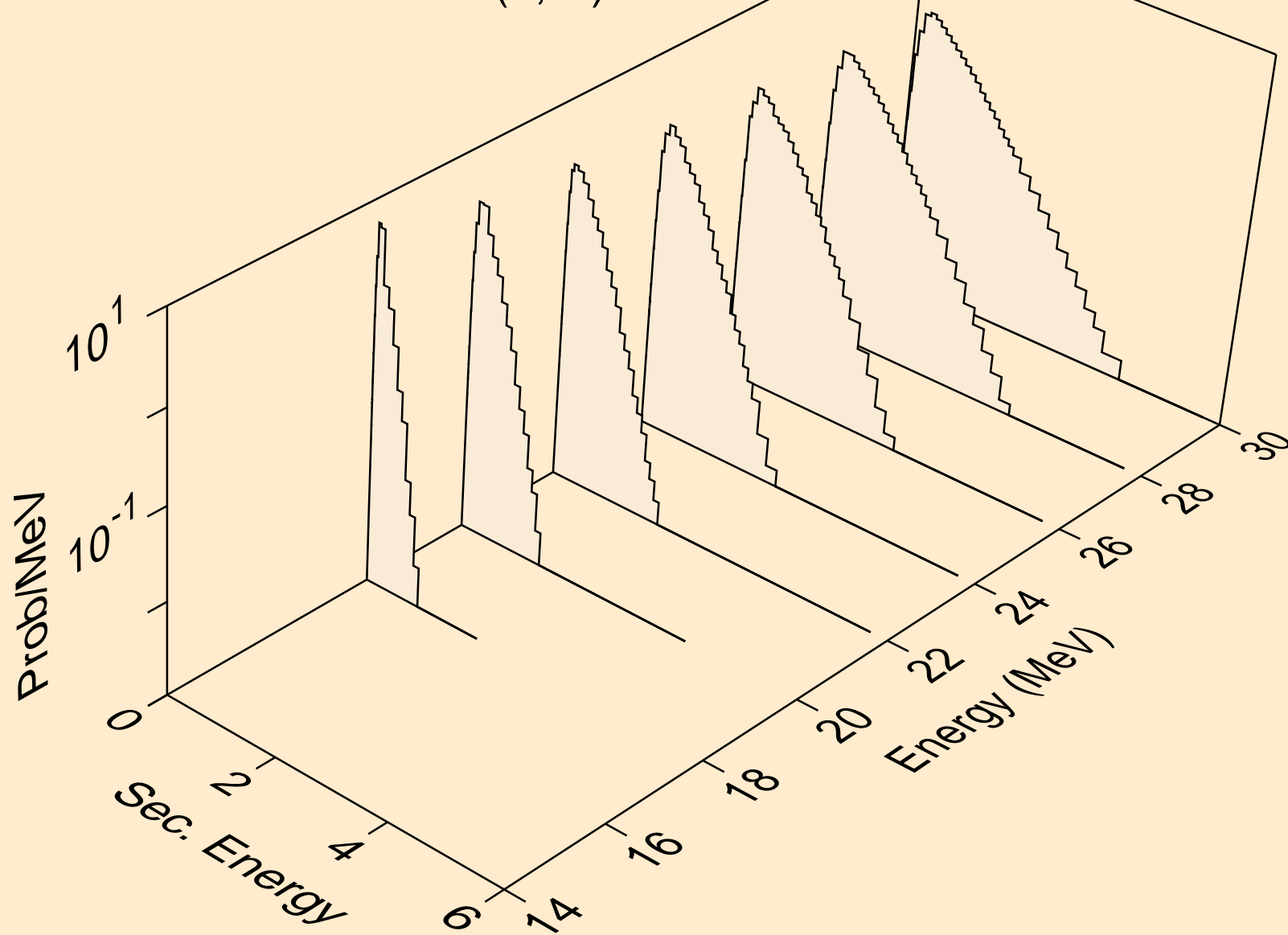
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Neutron emission for (n,2n)2a



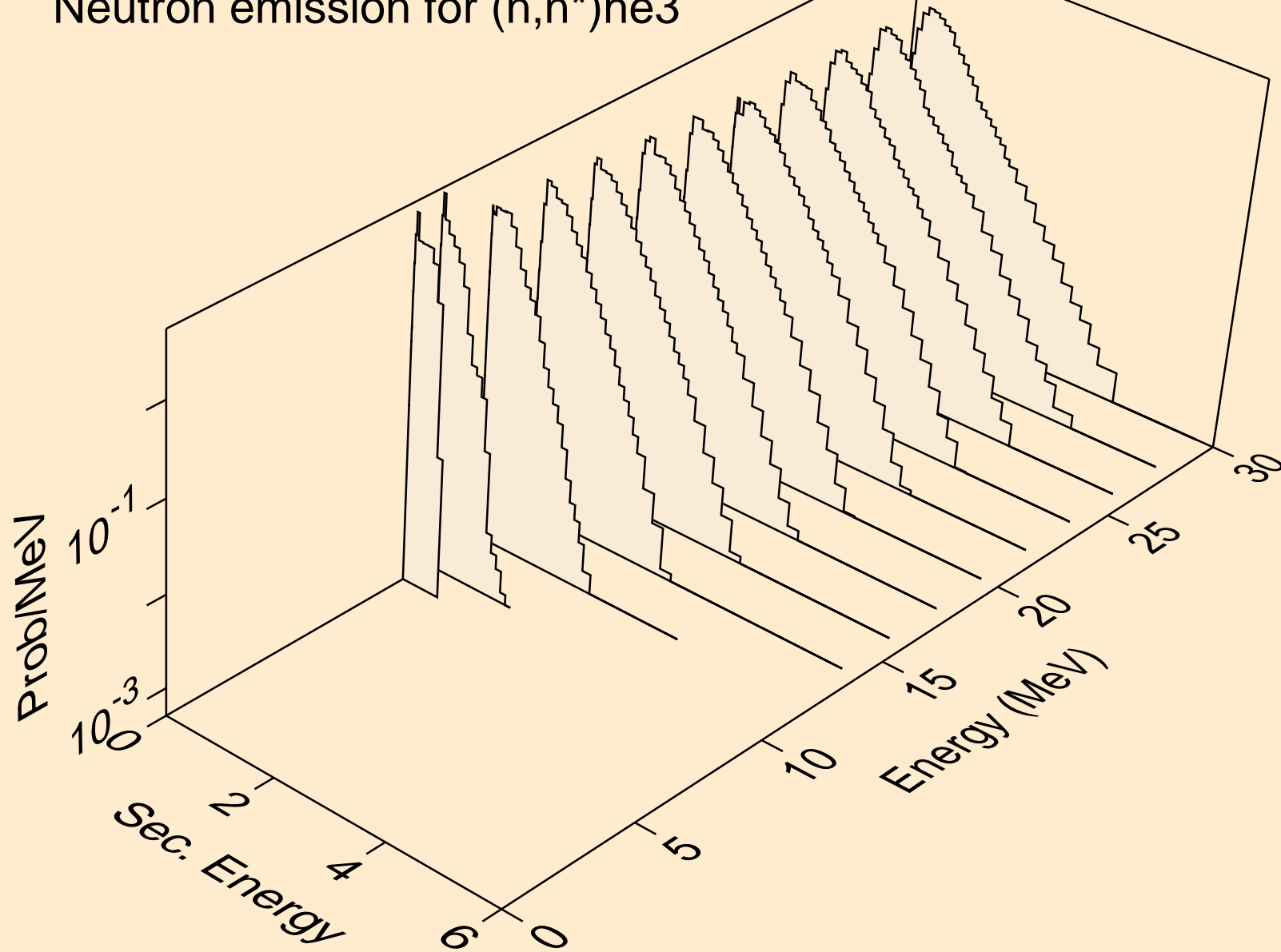
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Neutron emission for (n,n*)d



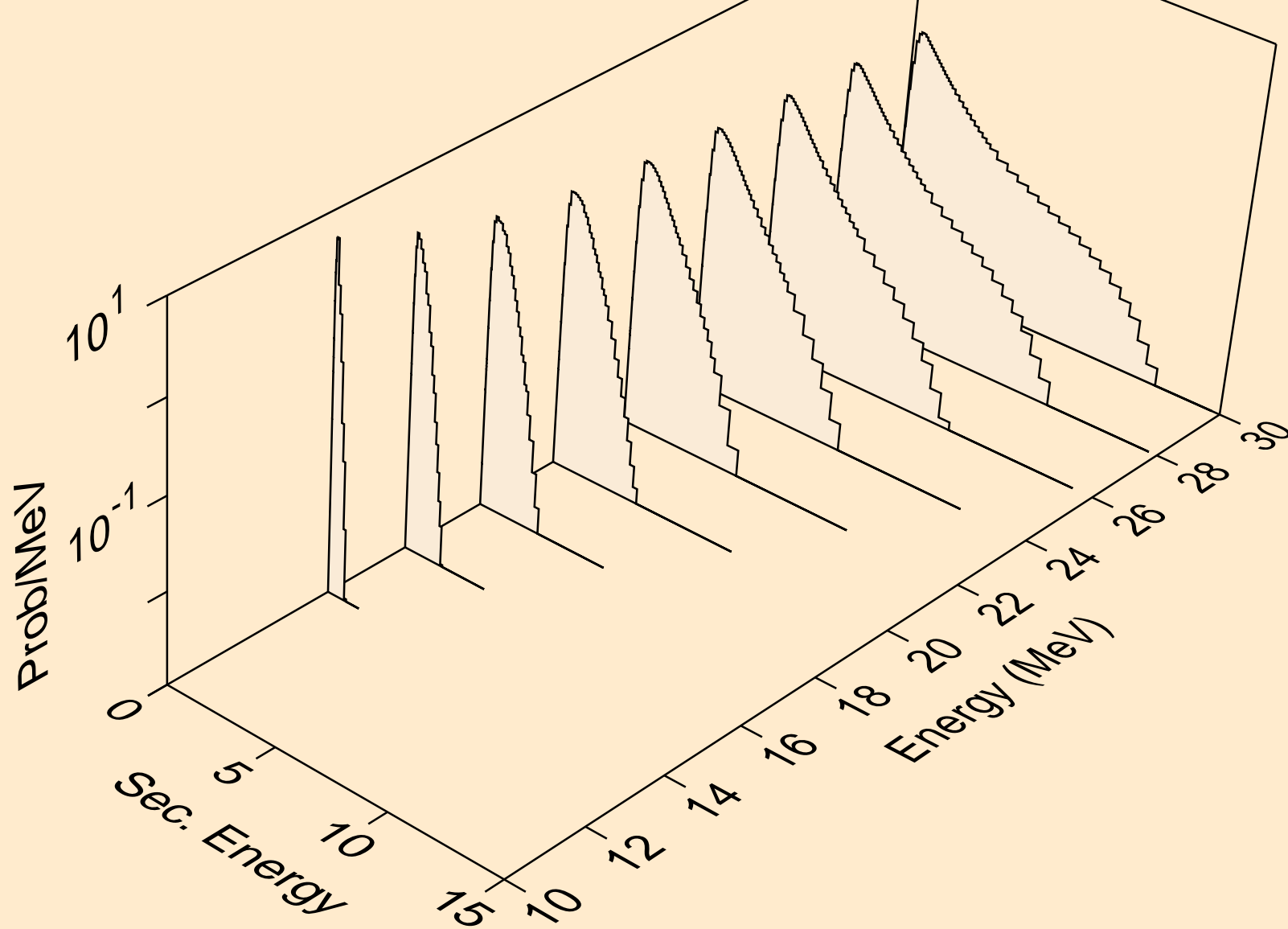
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Neutron emission for (n,n*)t



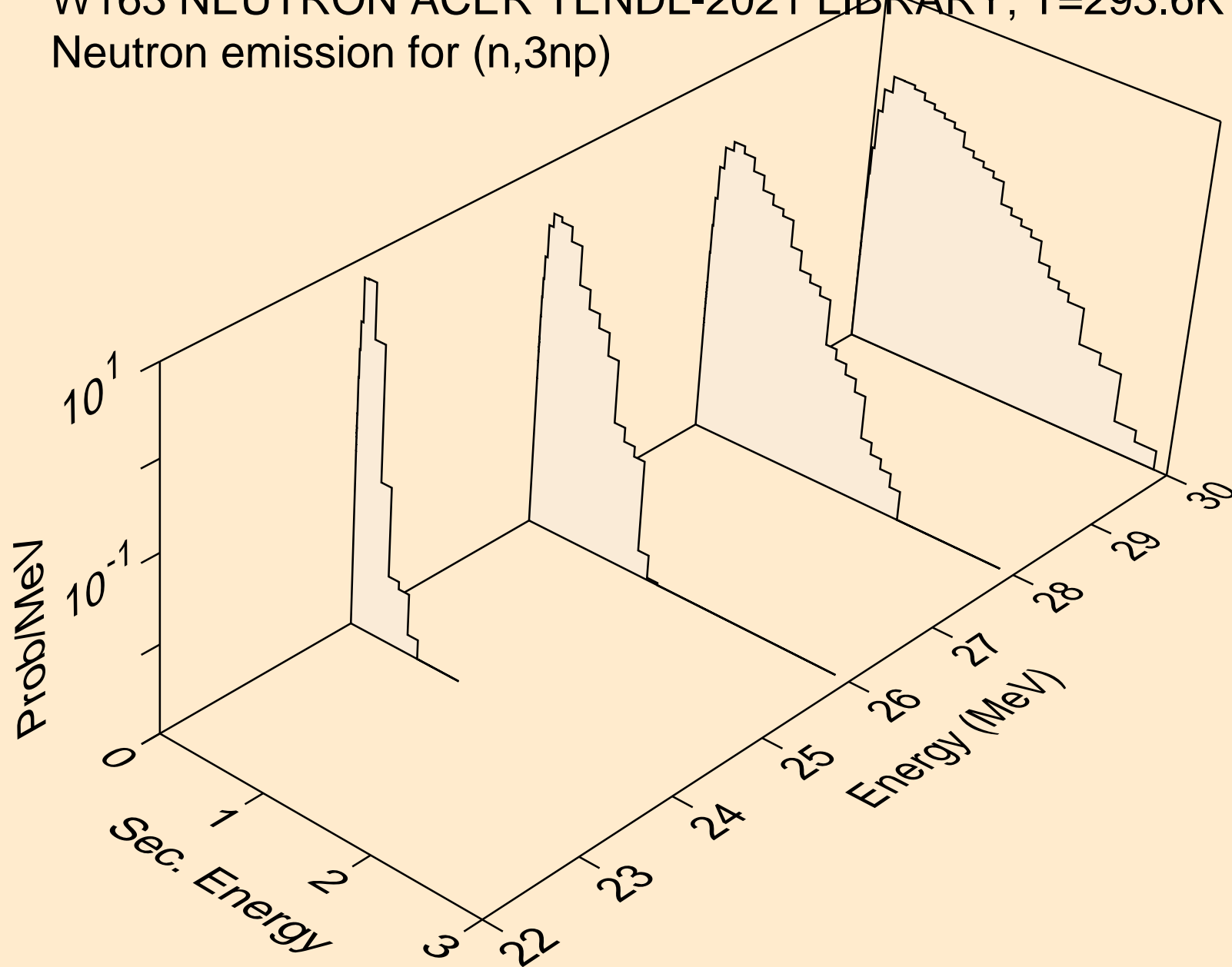
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Neutron emission for (n,n*)he3



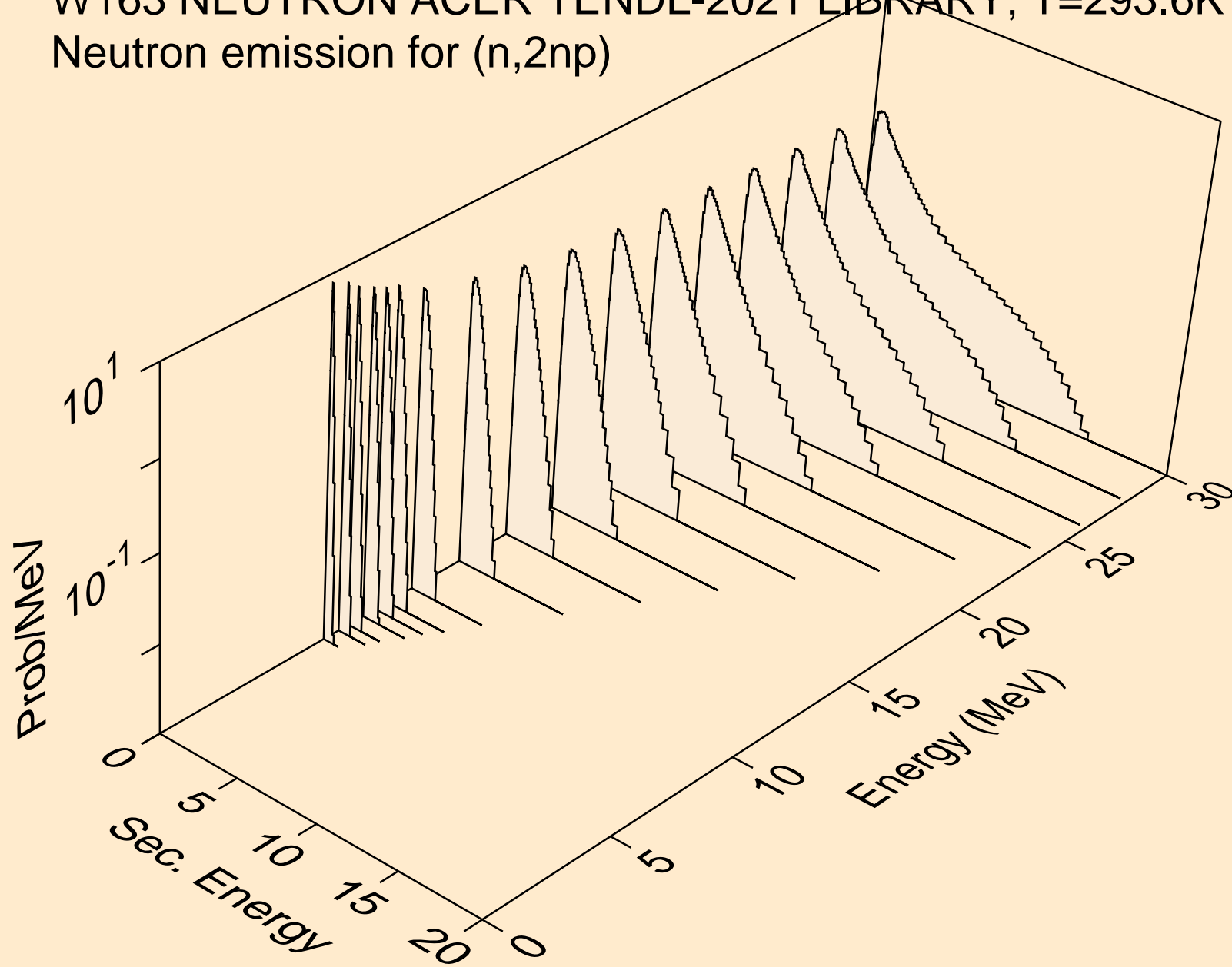
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Neutron emission for (n,2np)



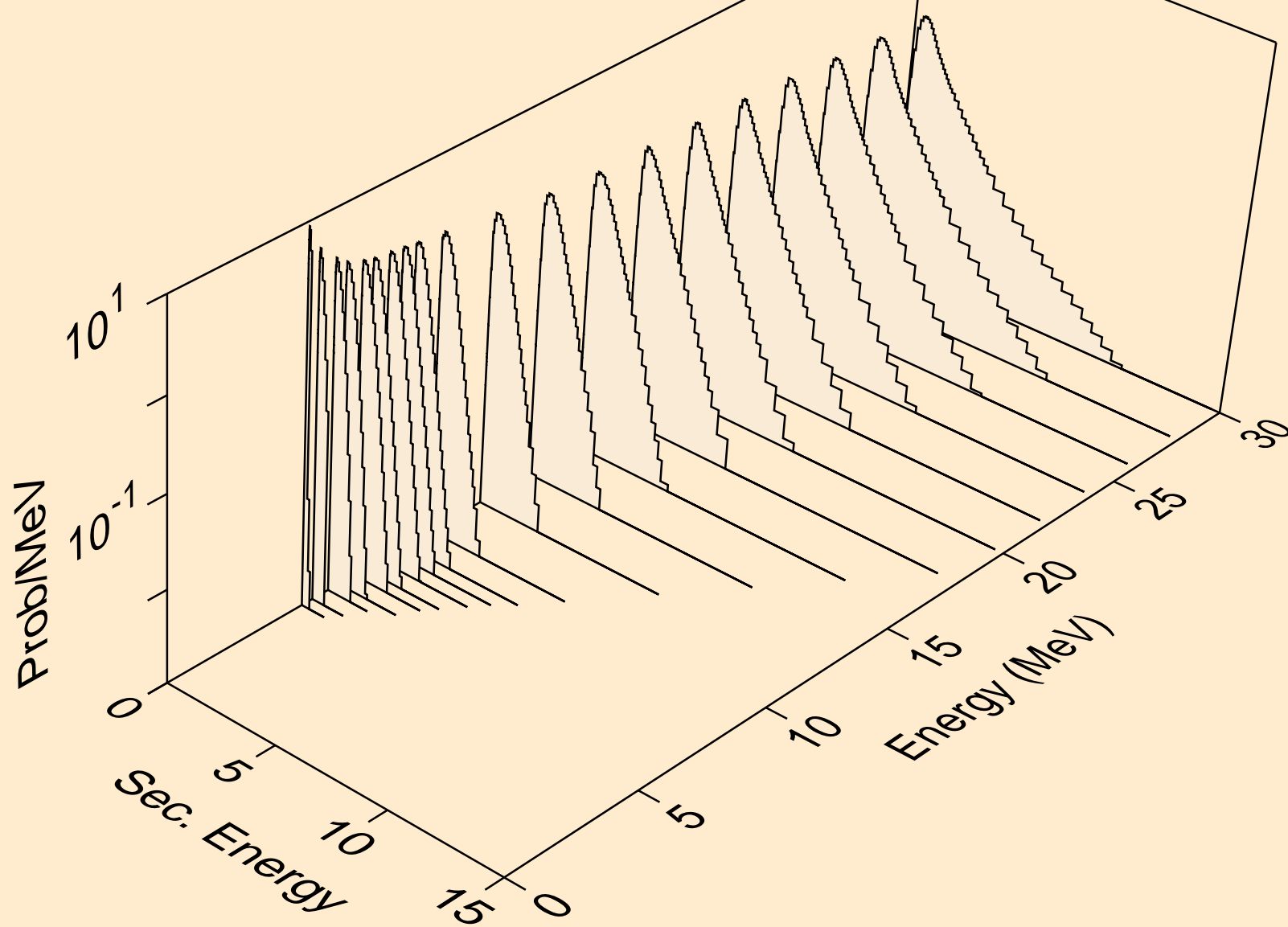
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Neutron emission for (n,3np)



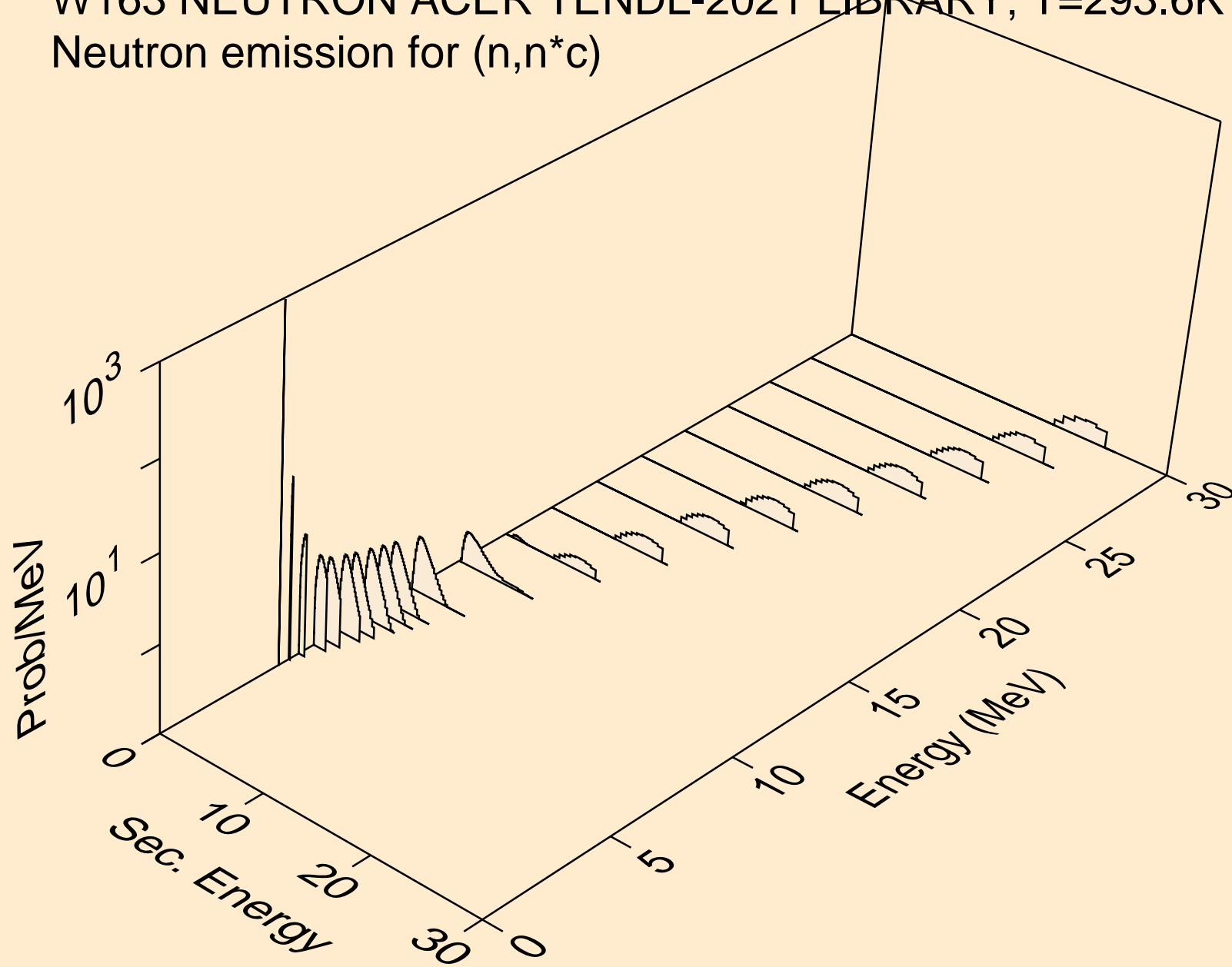
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Neutron emission for (n,2np)



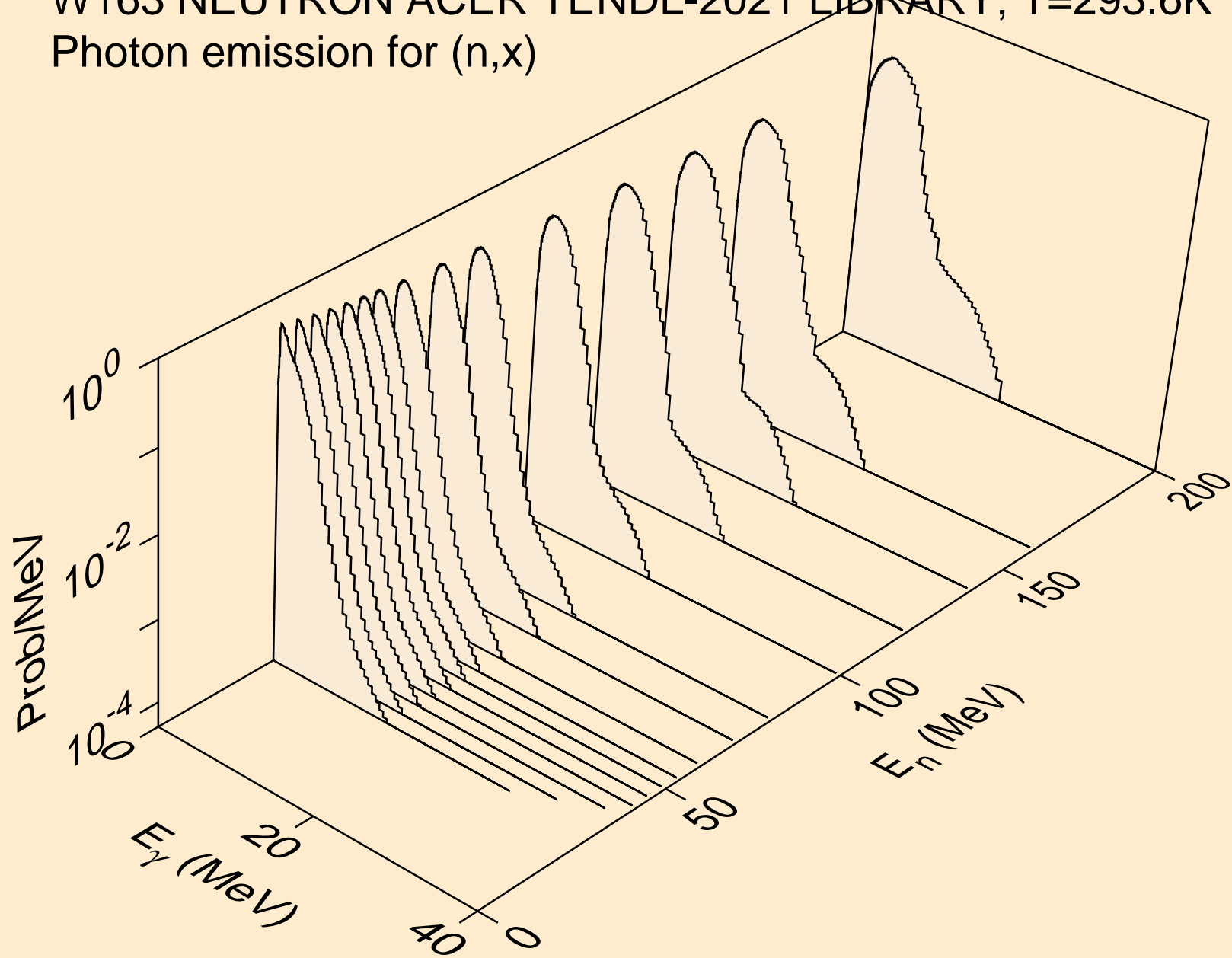
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Neutron emission for (n,npa)



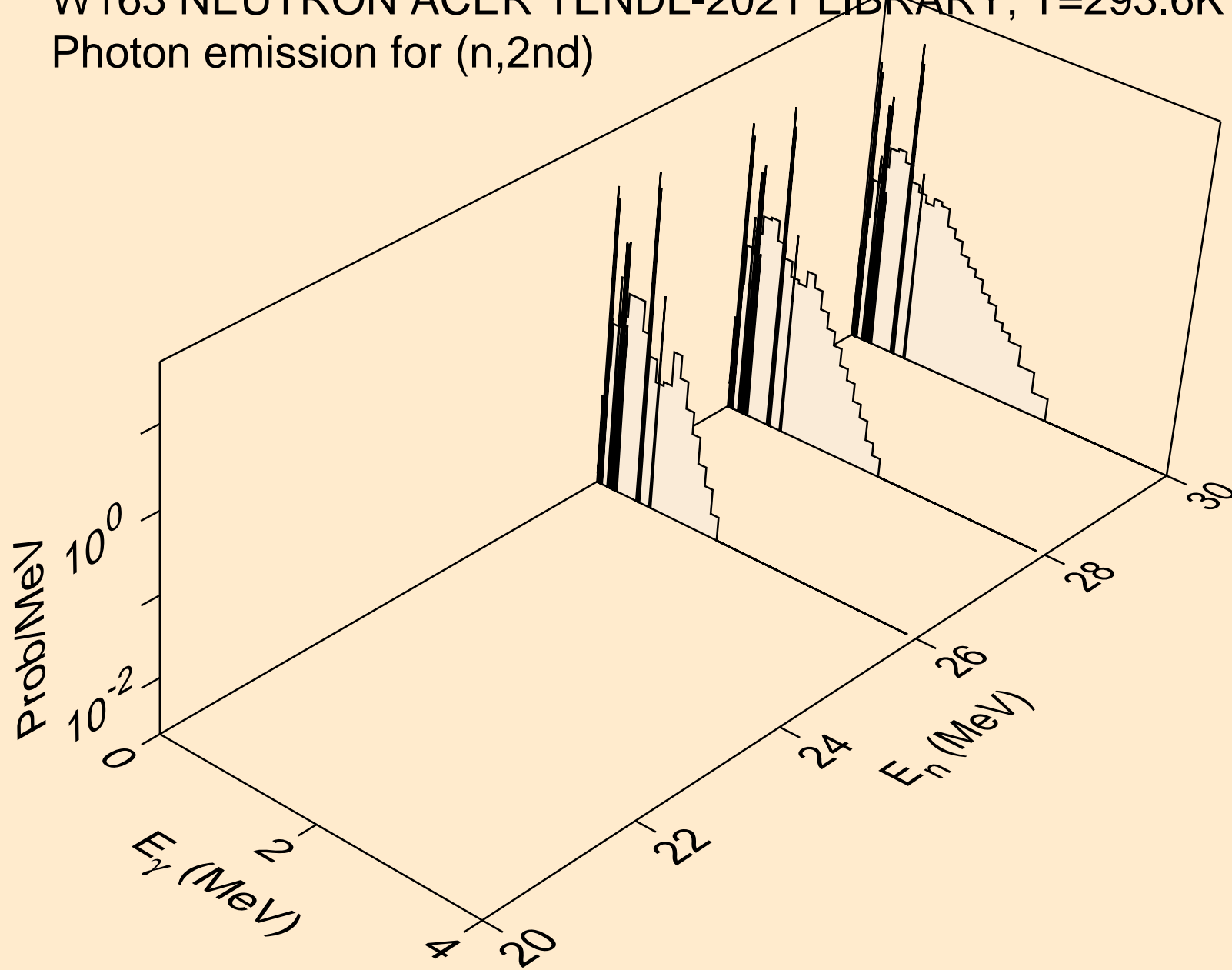
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Neutron emission for (n,n*c)



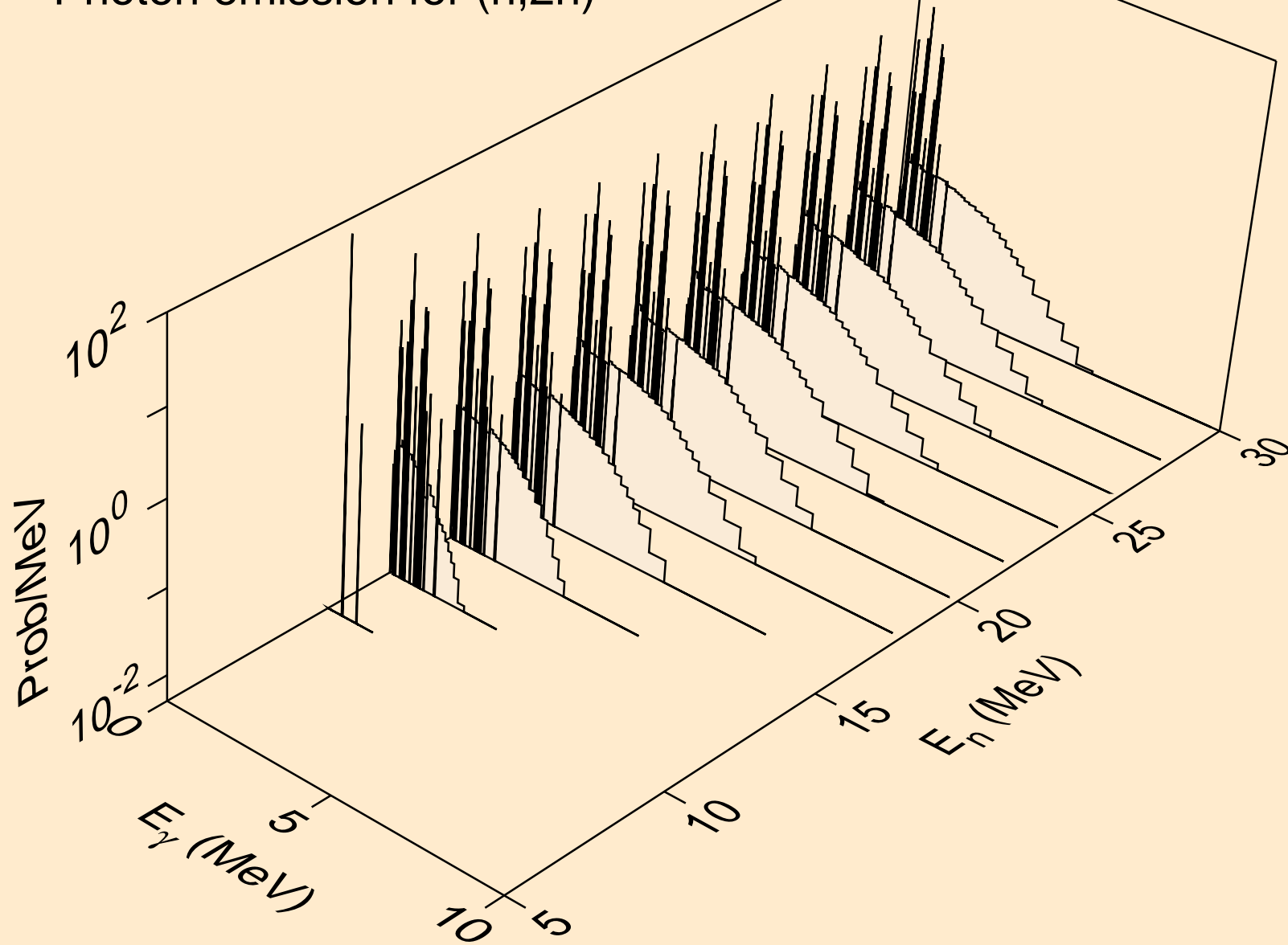
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,x)



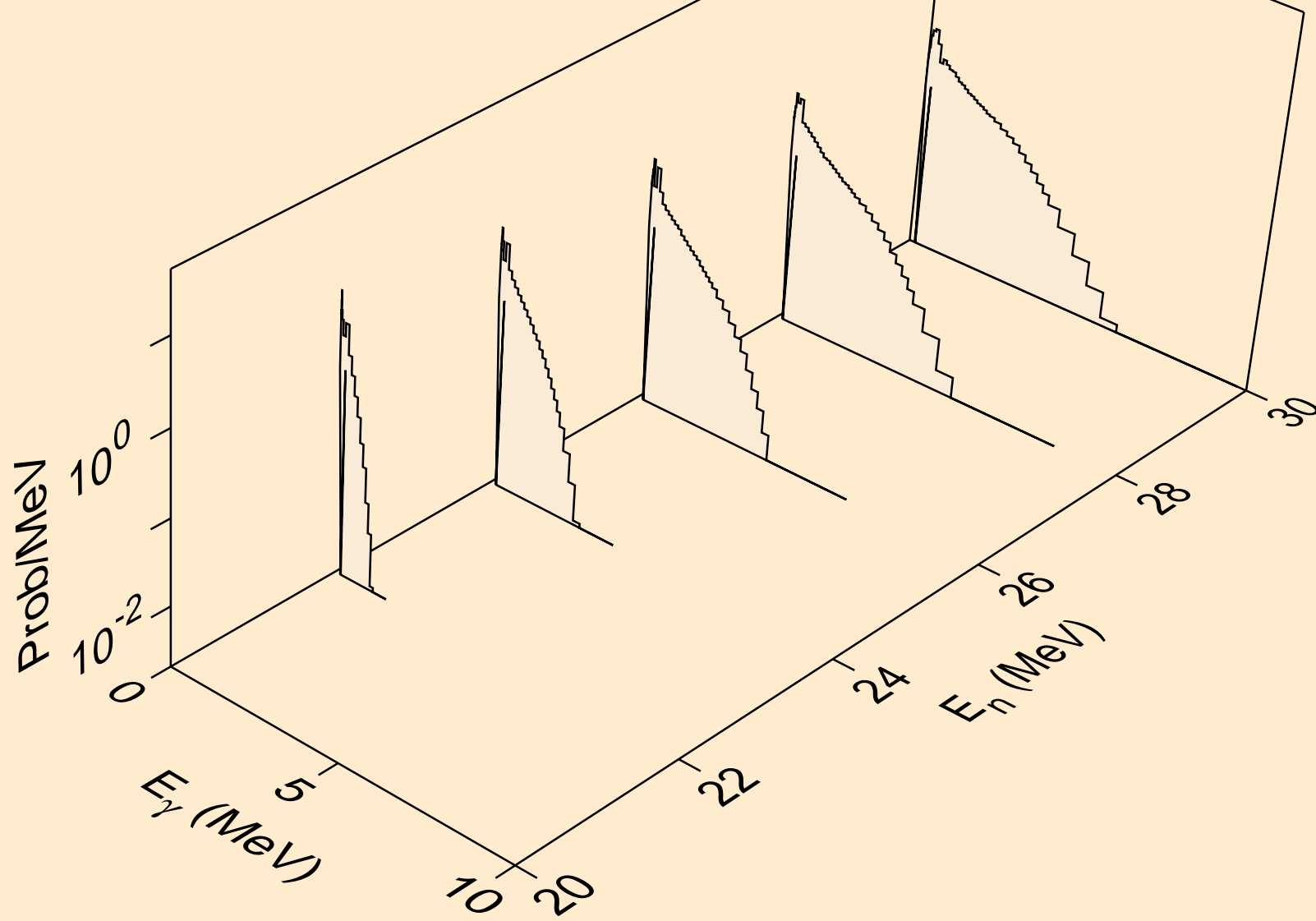
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2nd)



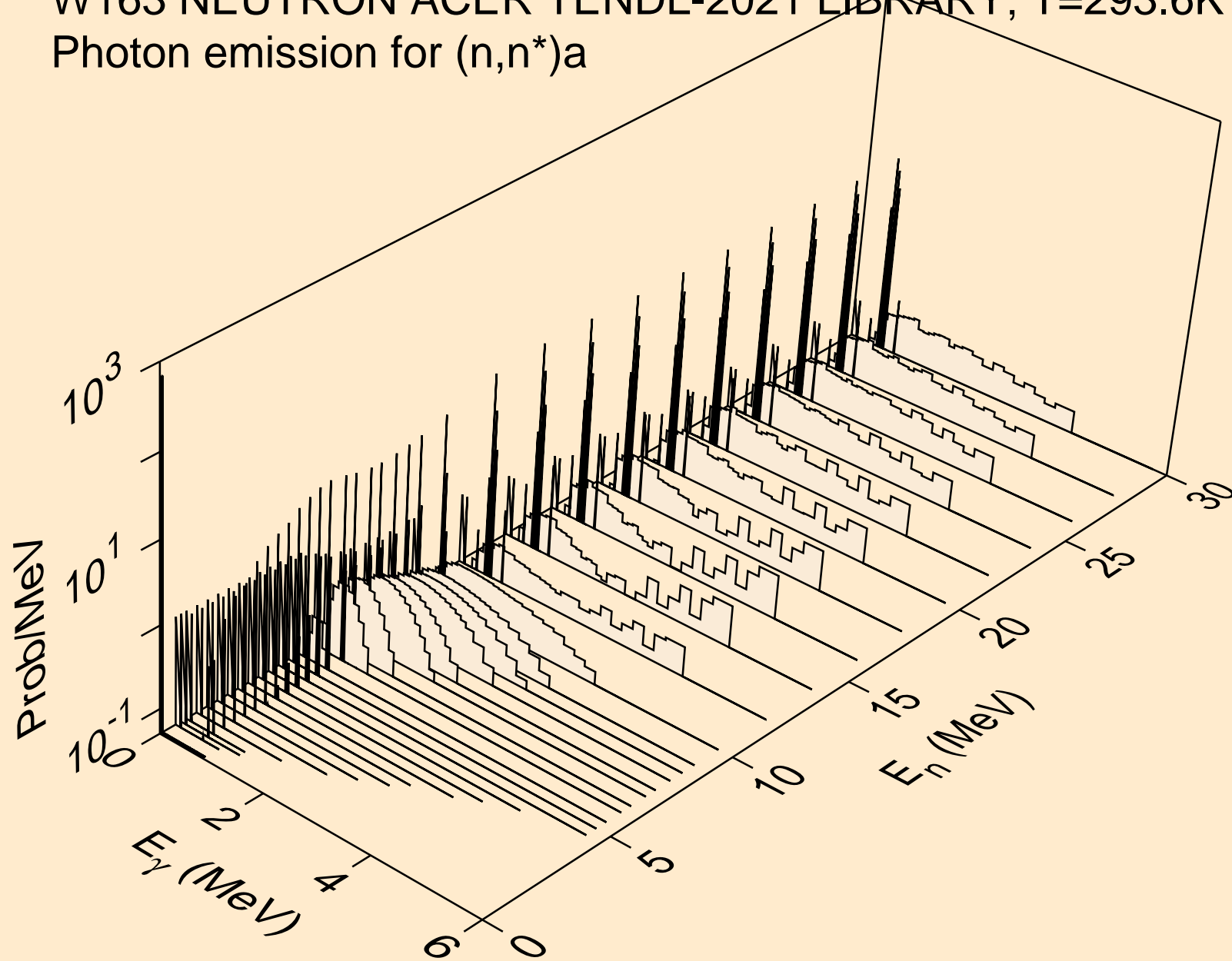
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Photon emission for (n,2n)



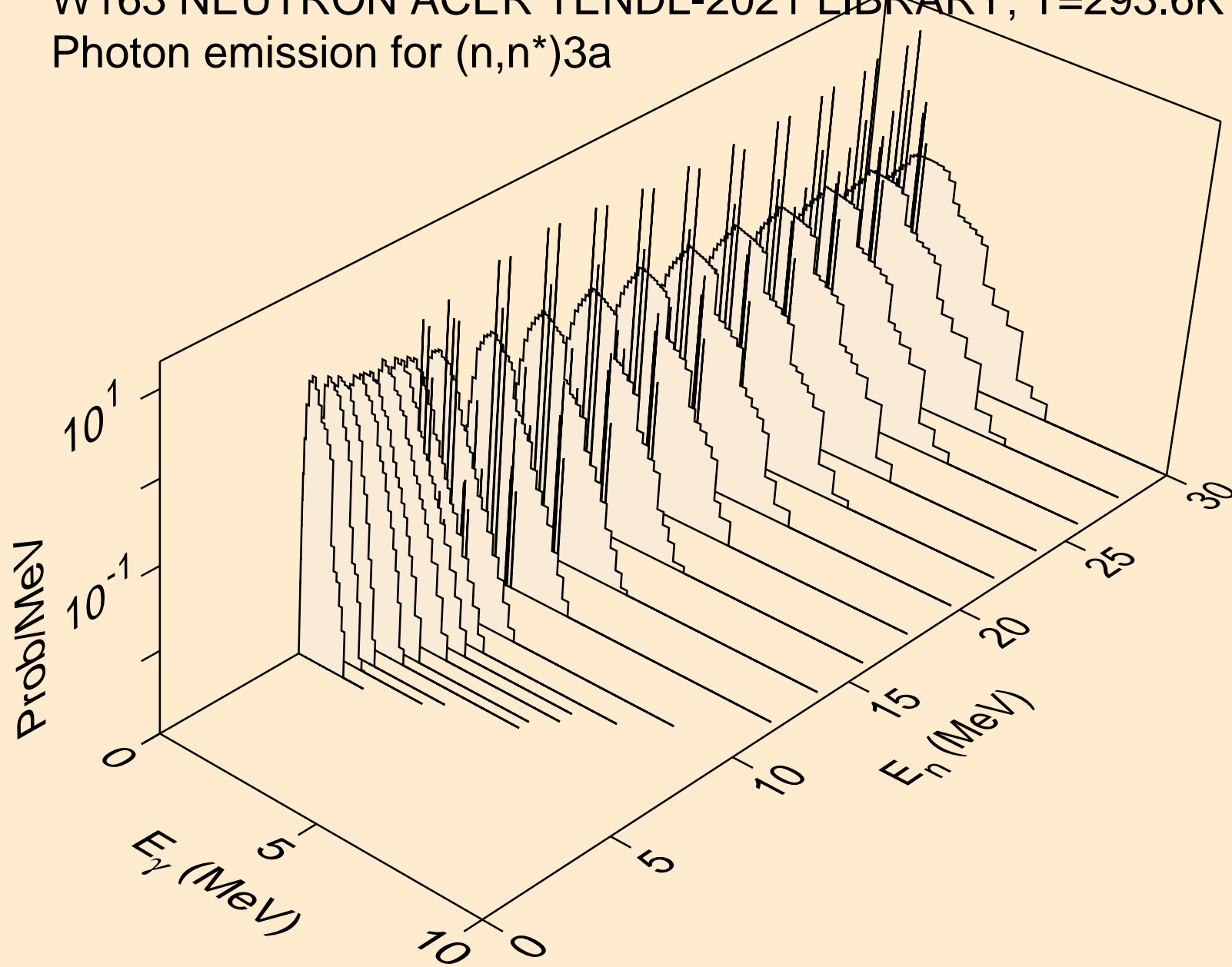
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Photon emission for (n,3n)



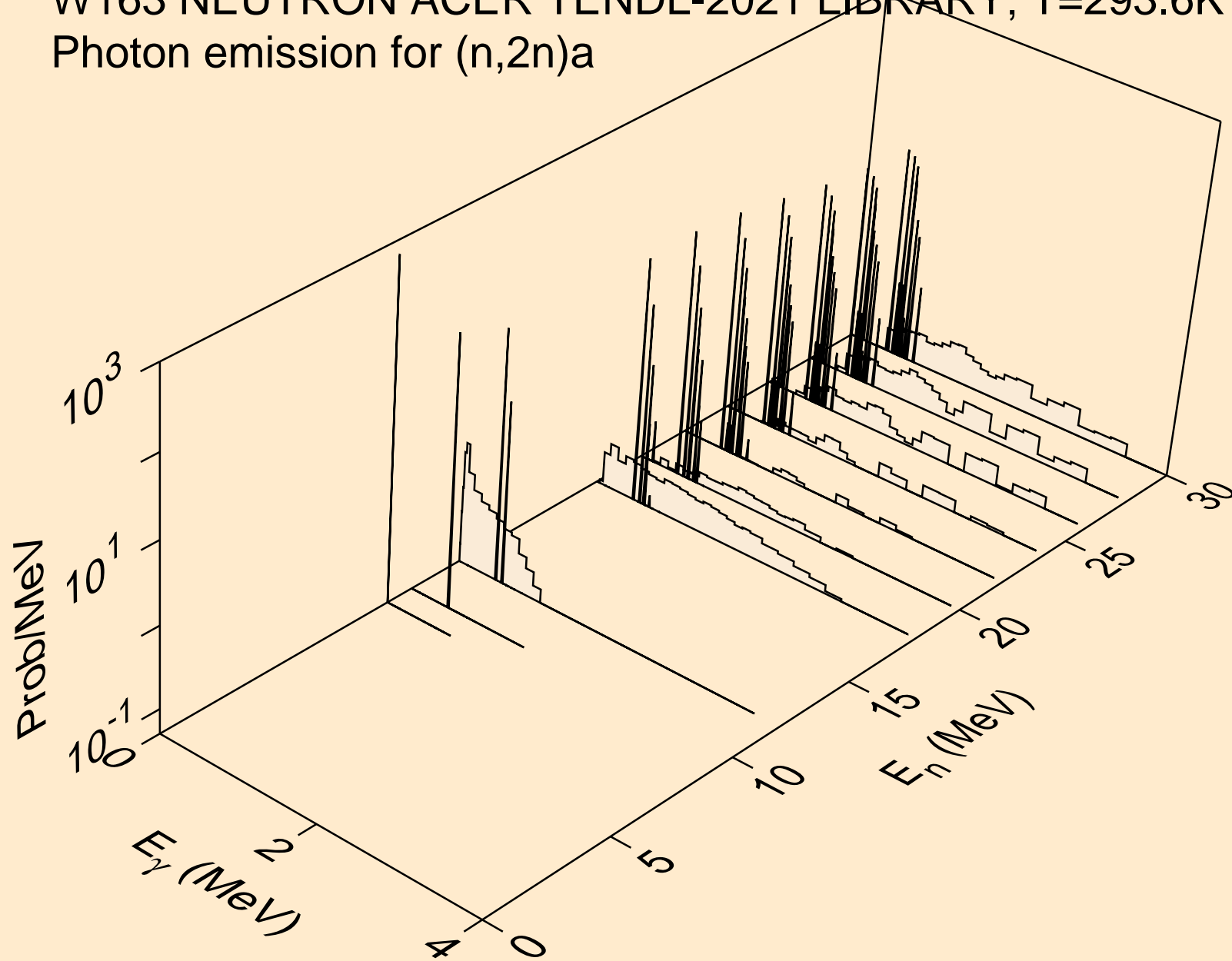
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)a



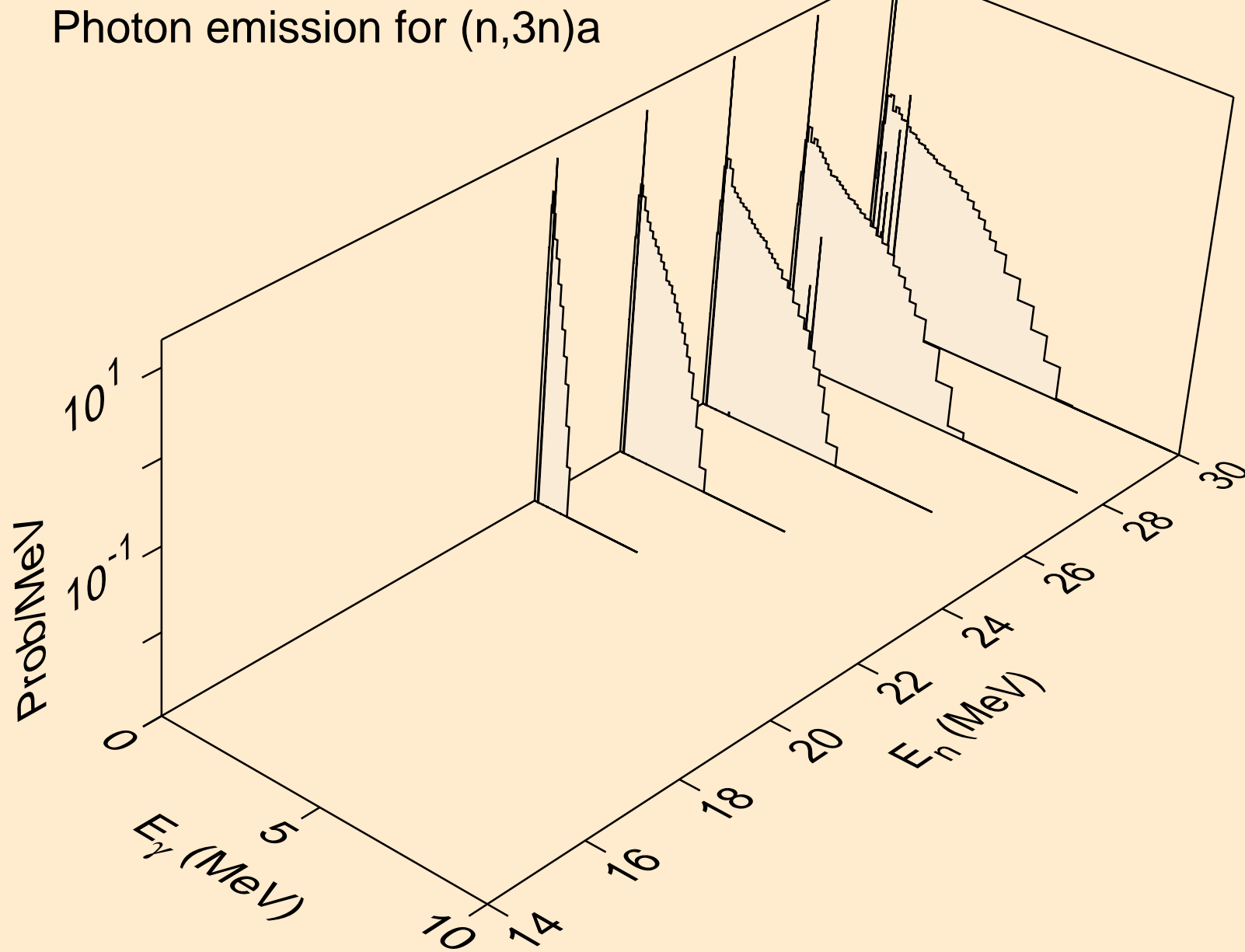
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)3a



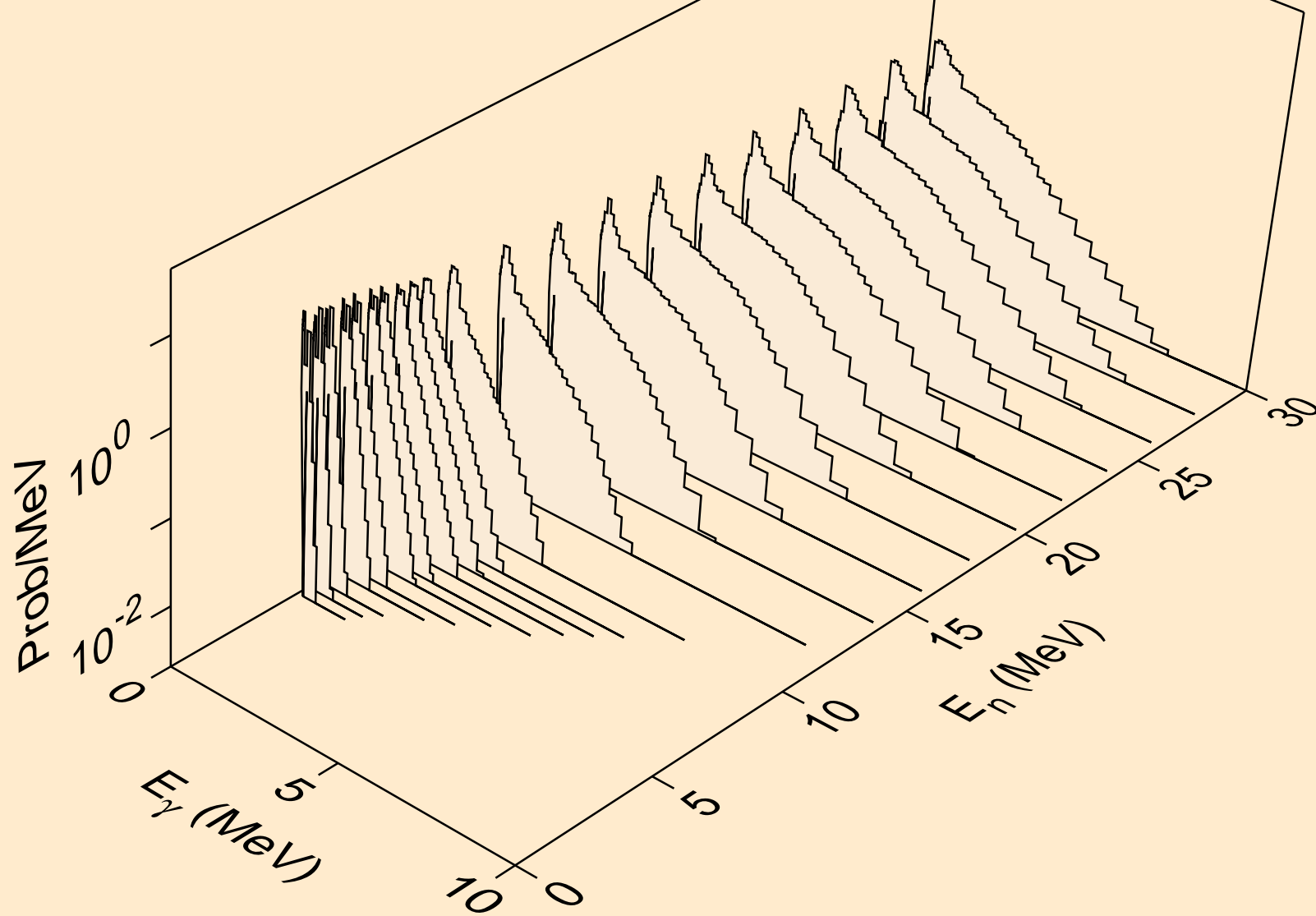
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)a



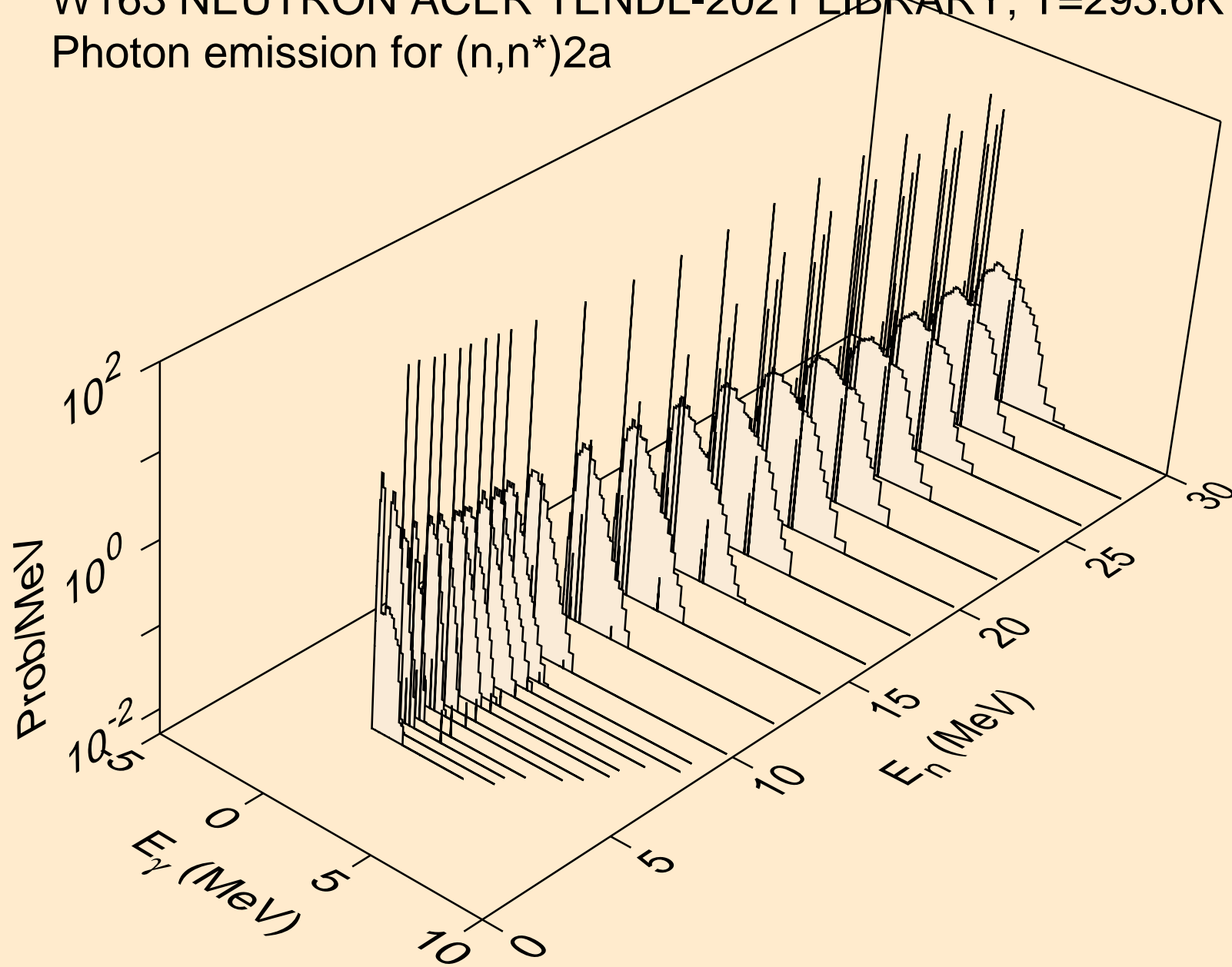
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3n)a



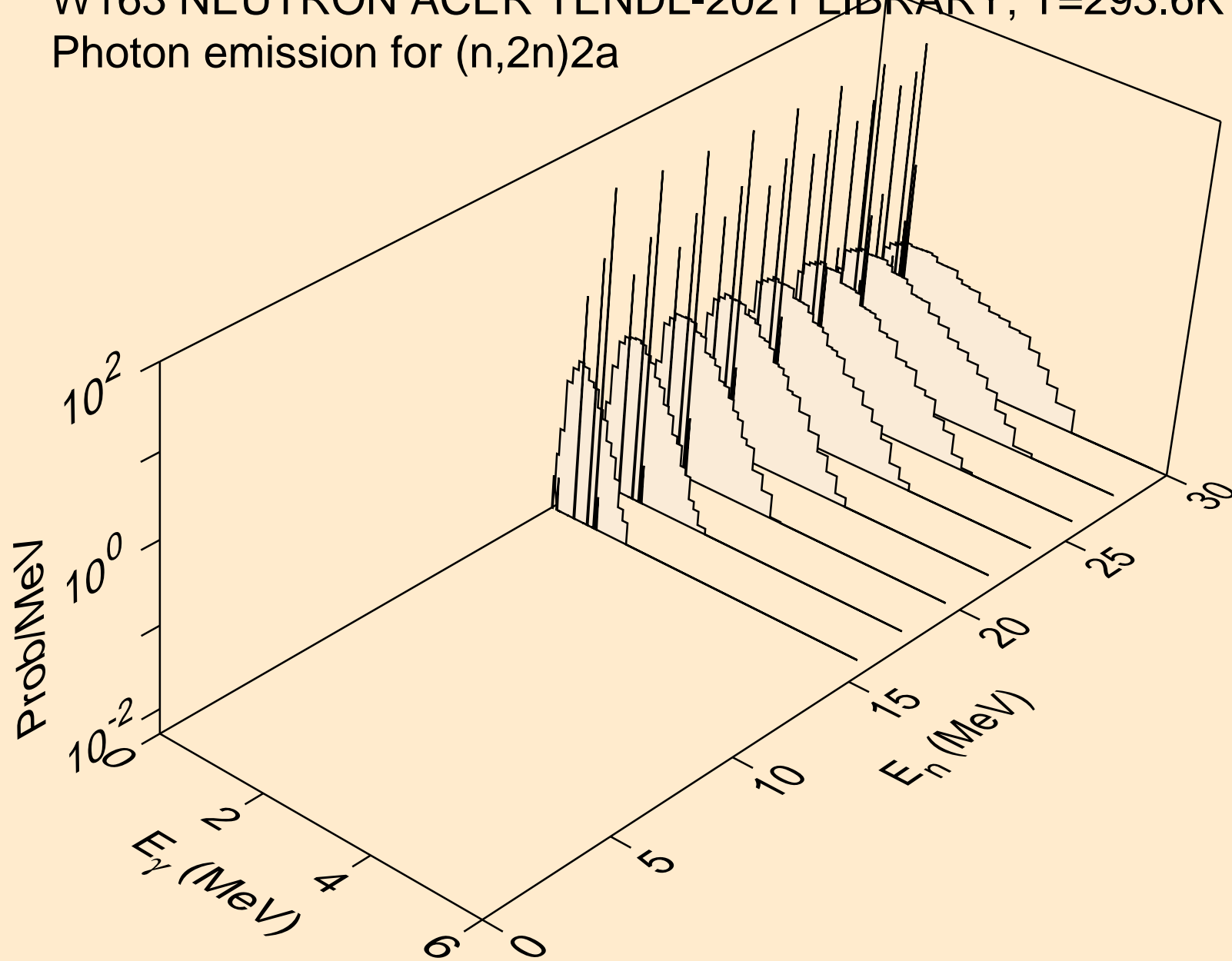
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Photon emission for (n,n*)p



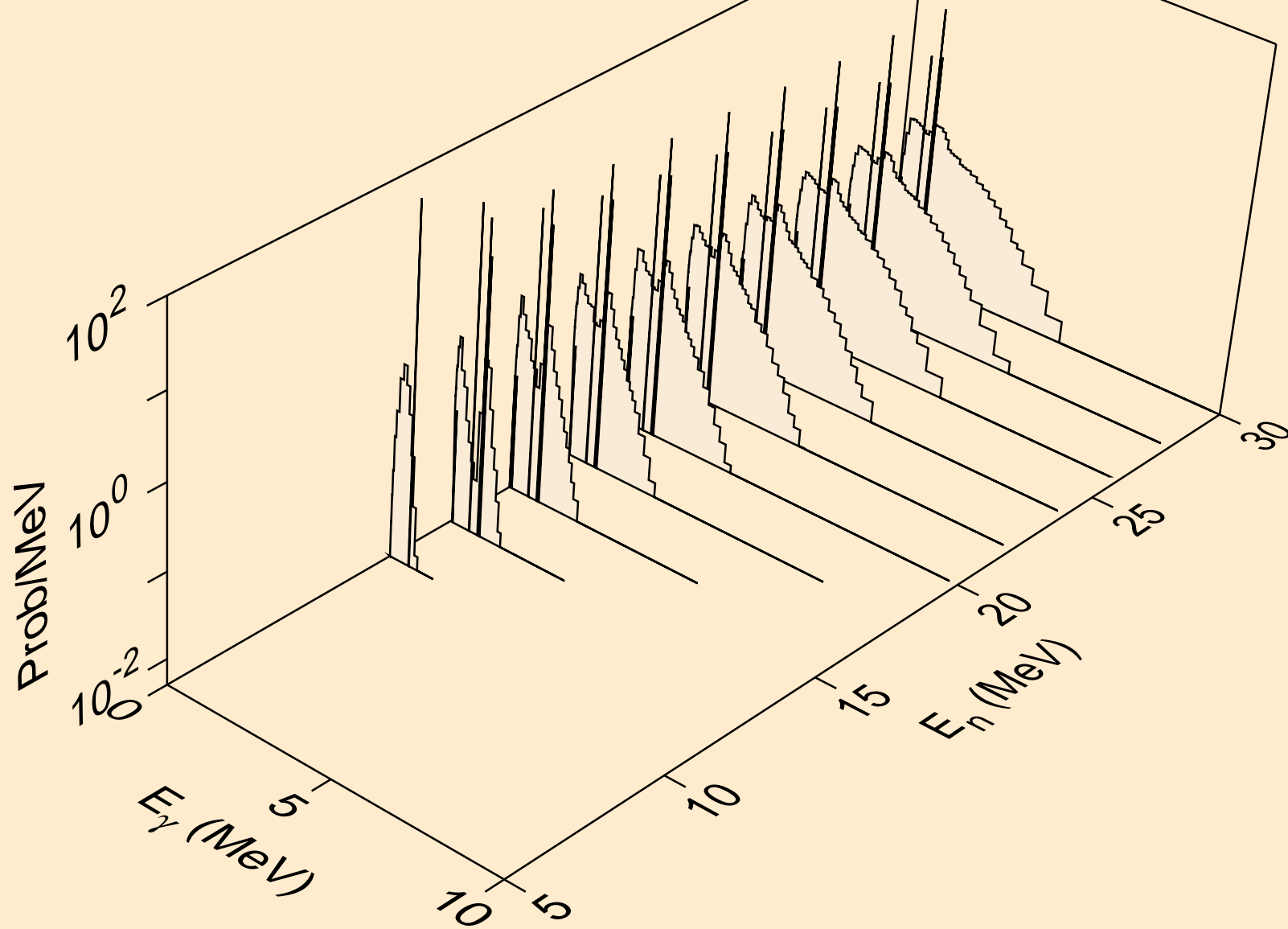
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)2a



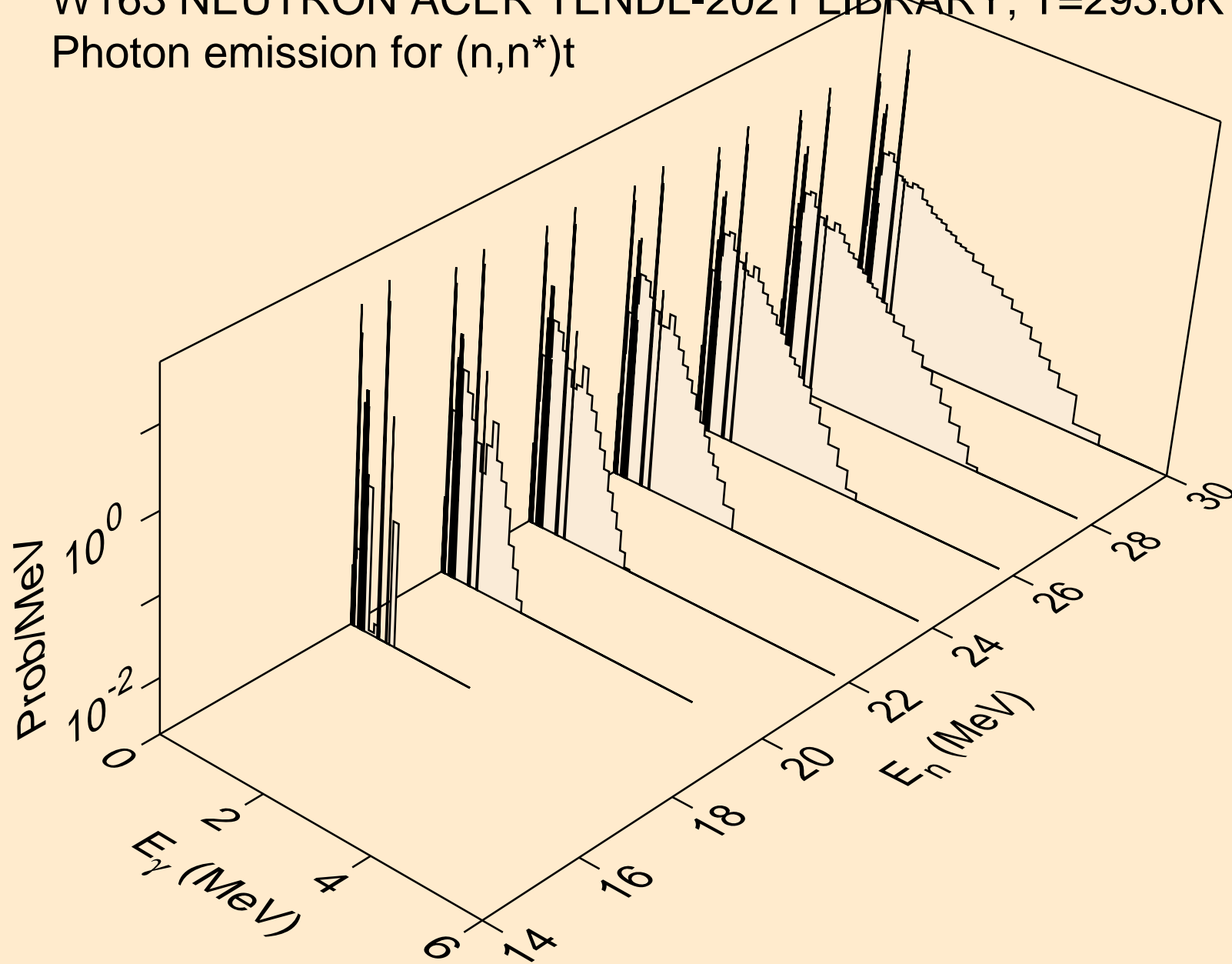
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2n)2a



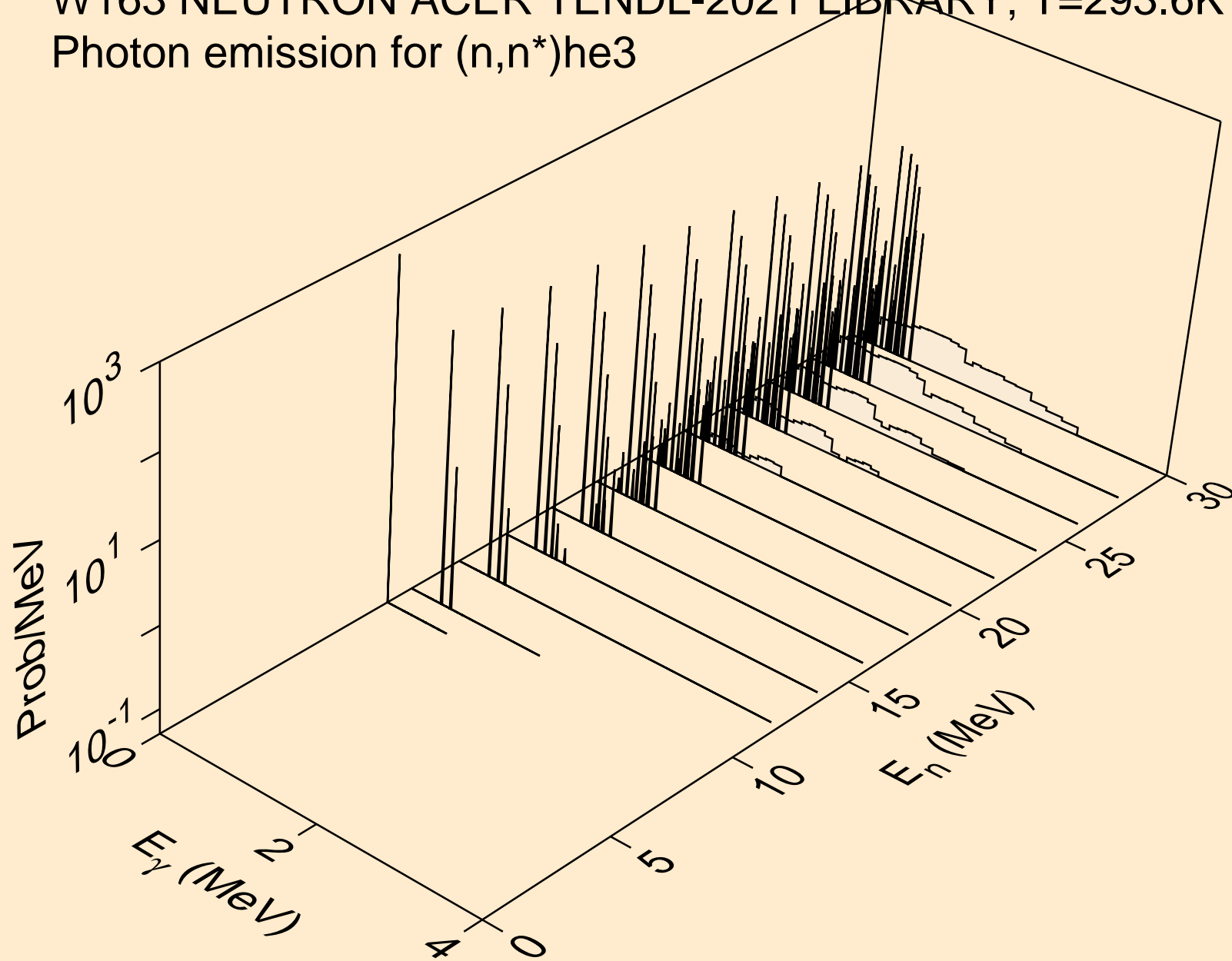
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)d



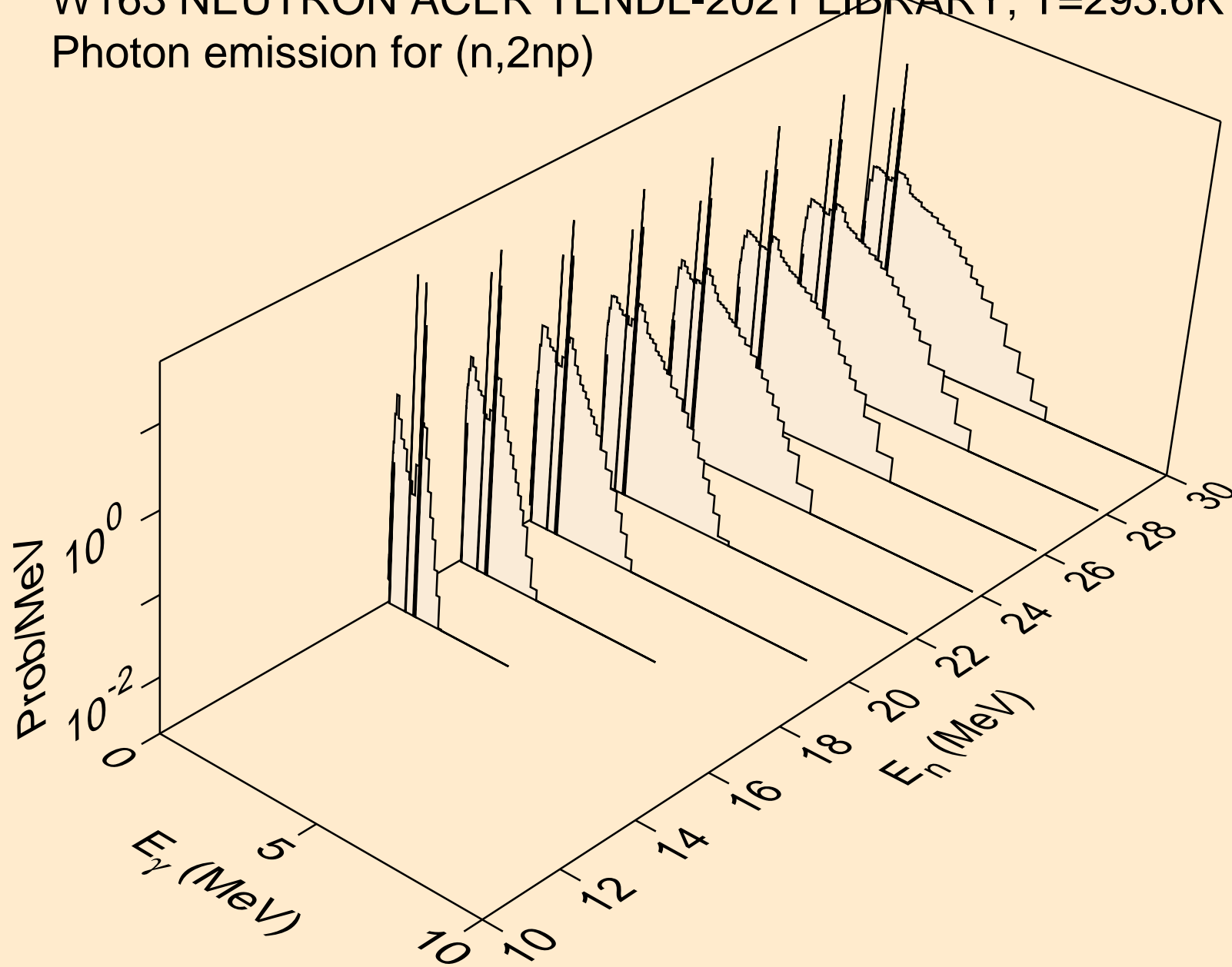
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)t



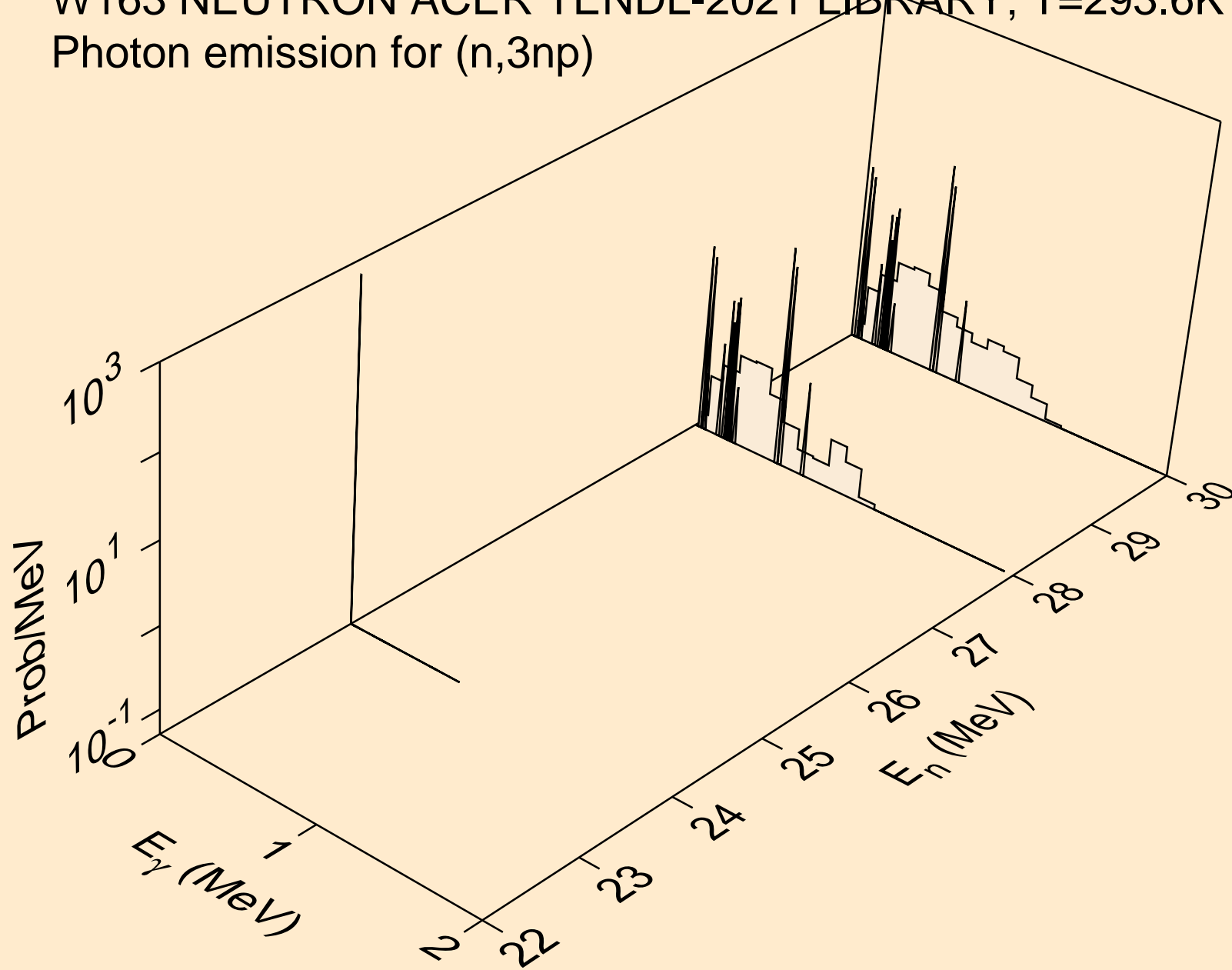
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*)he3



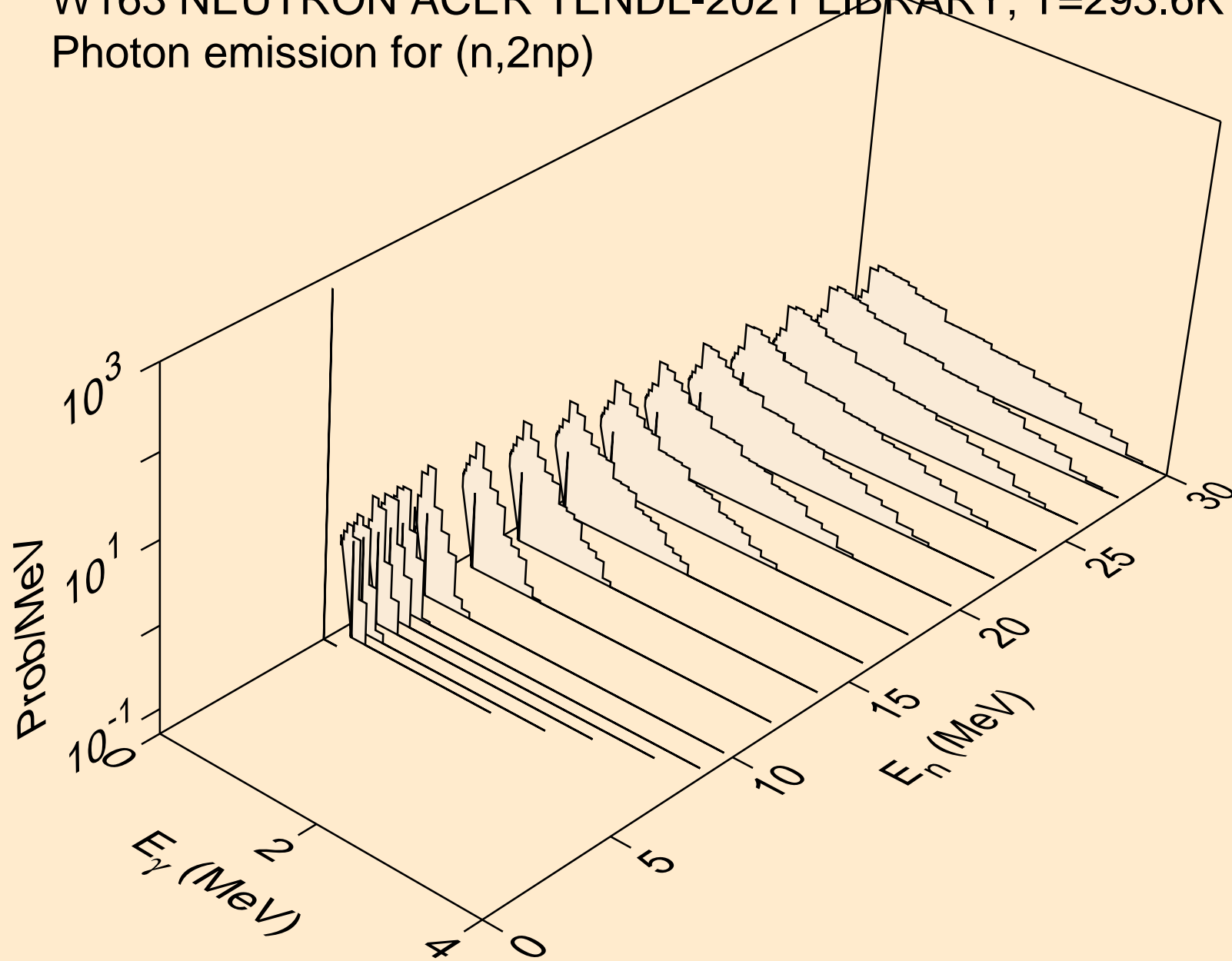
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2np)



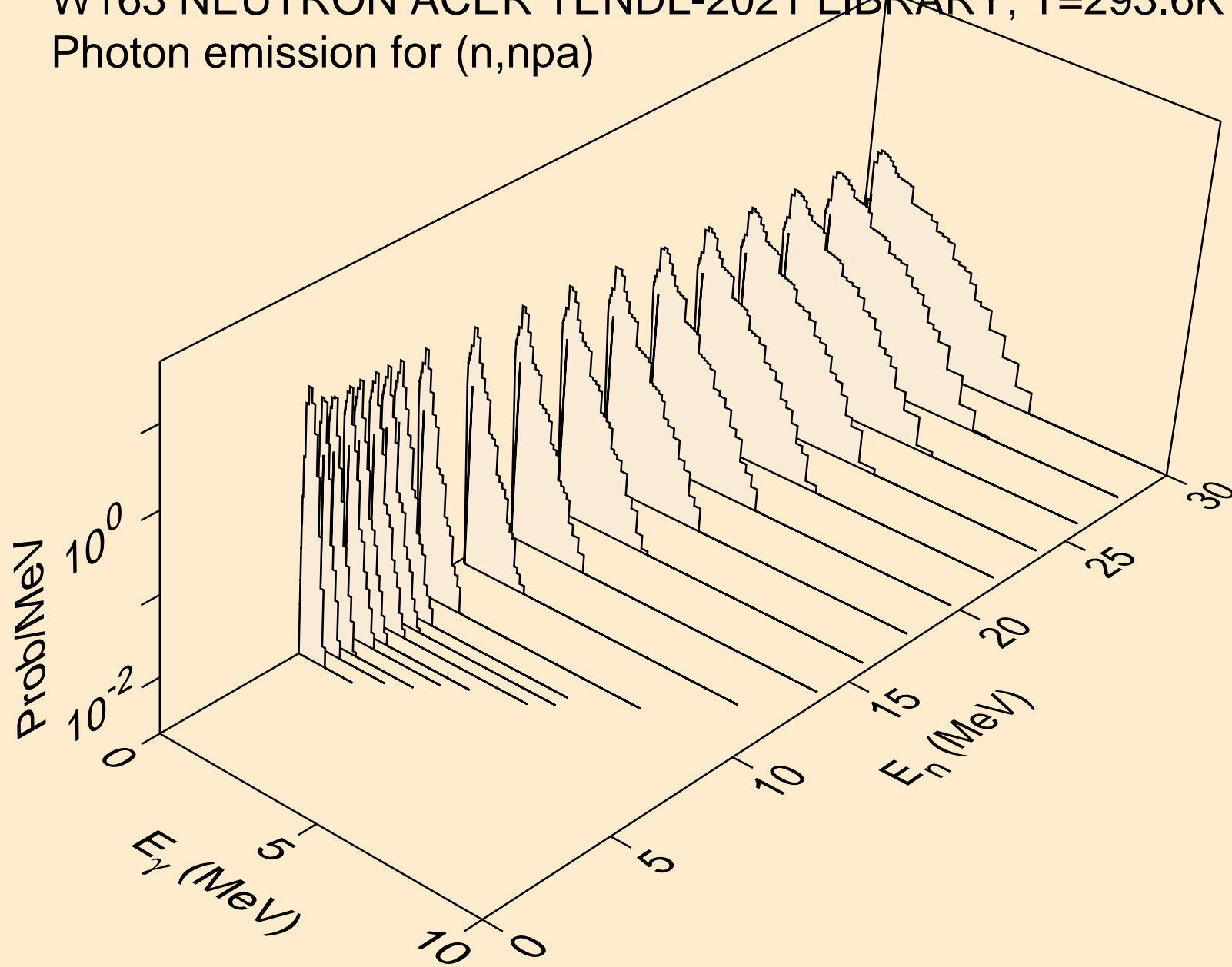
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3np)



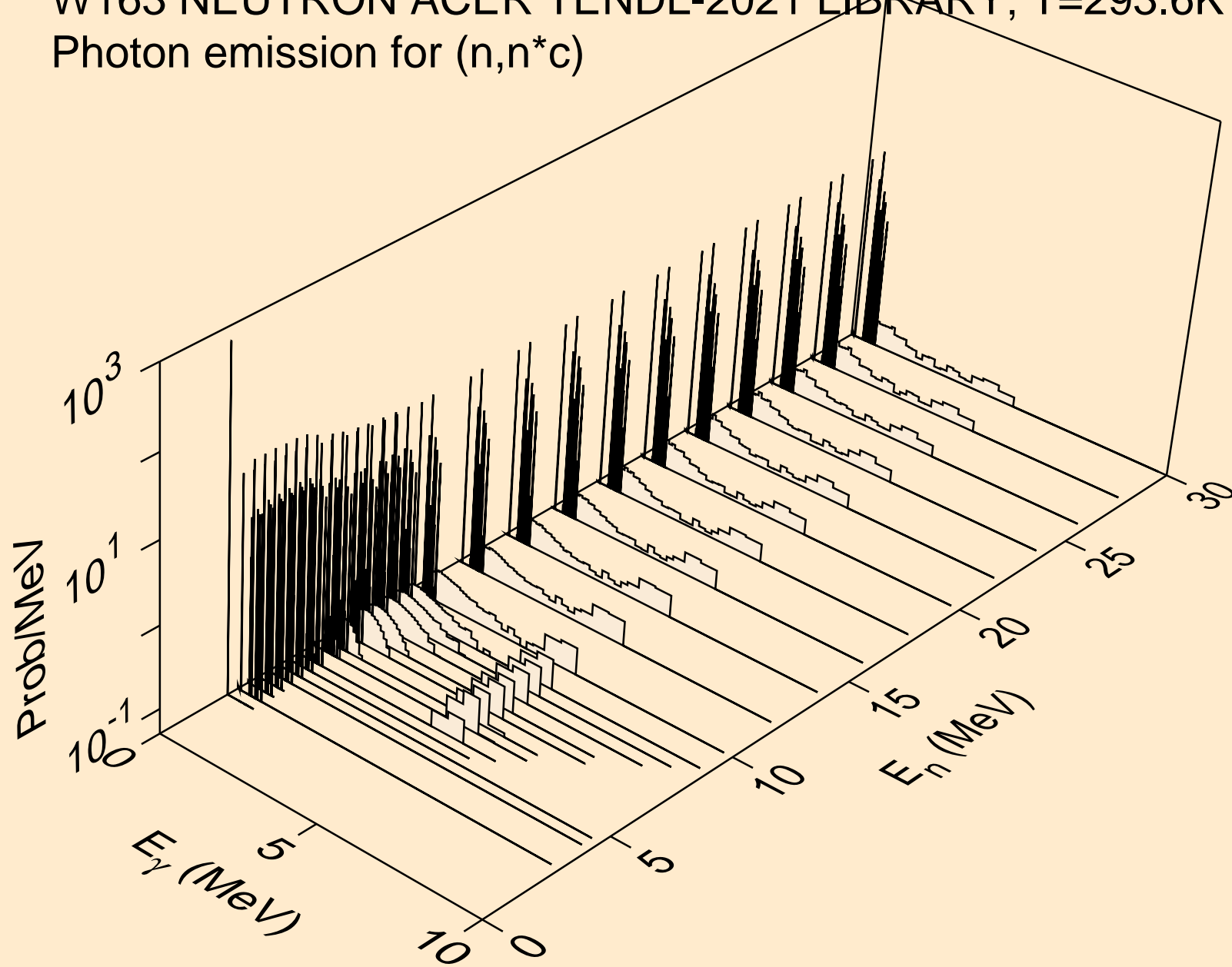
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2np)



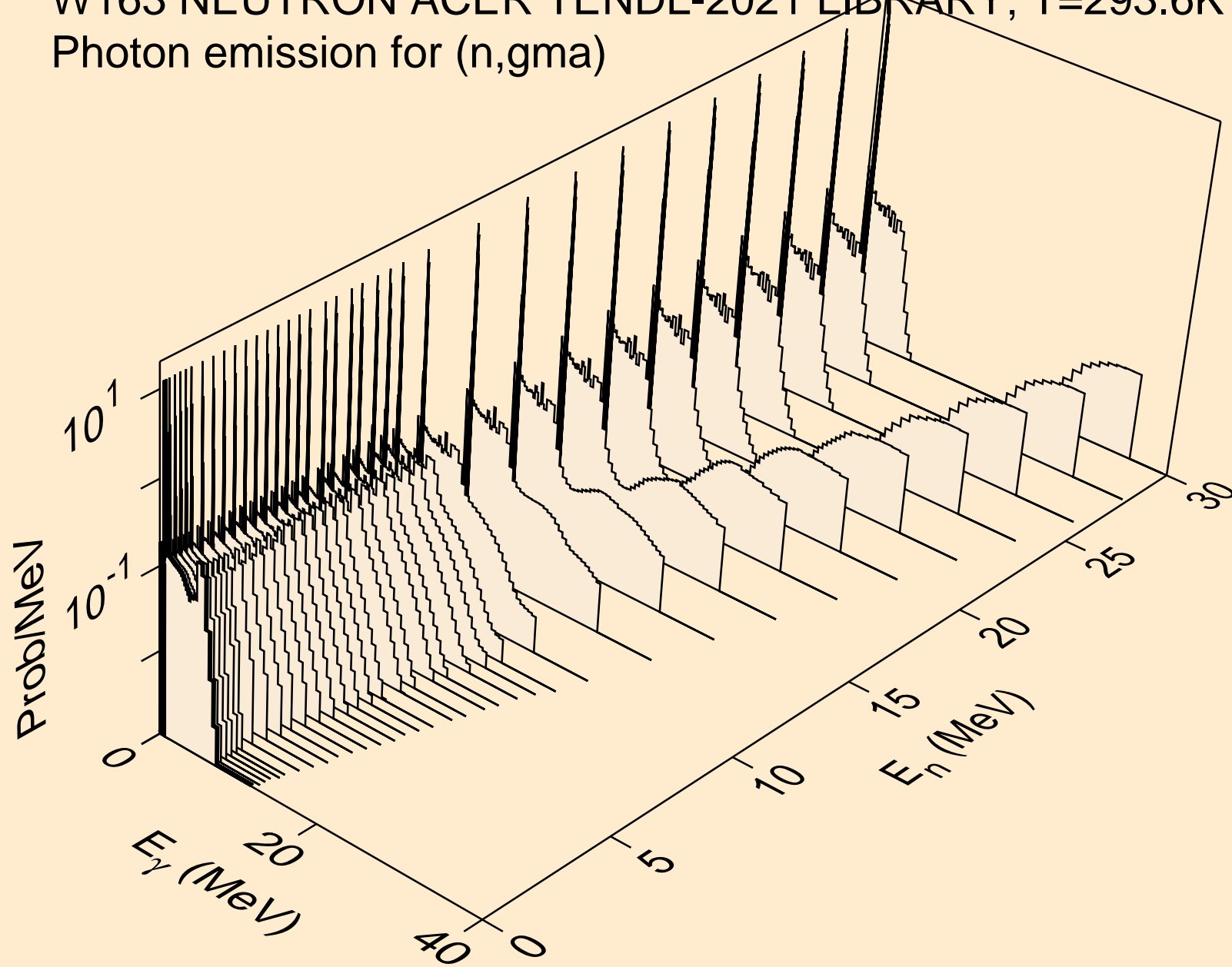
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,npa)



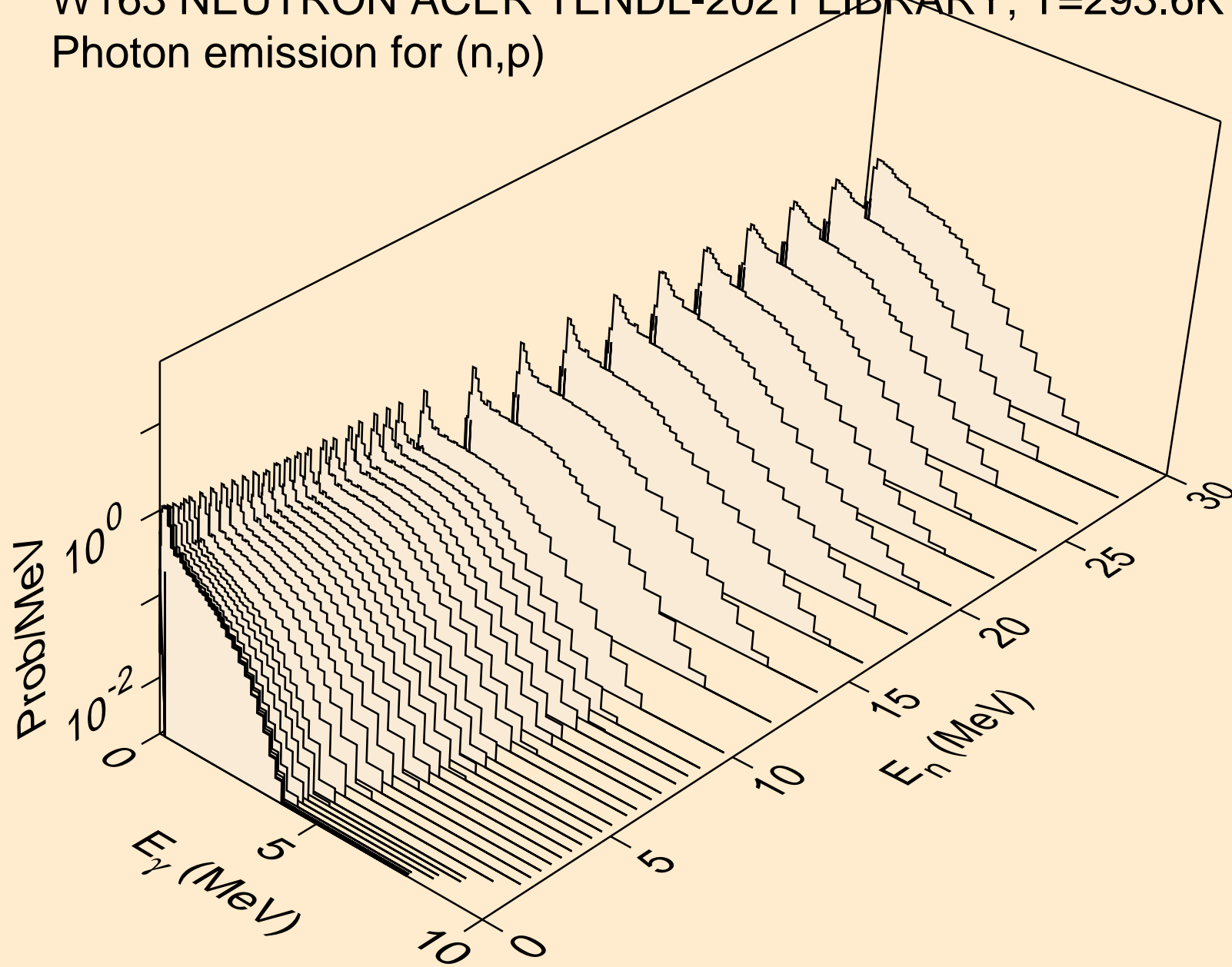
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*c)



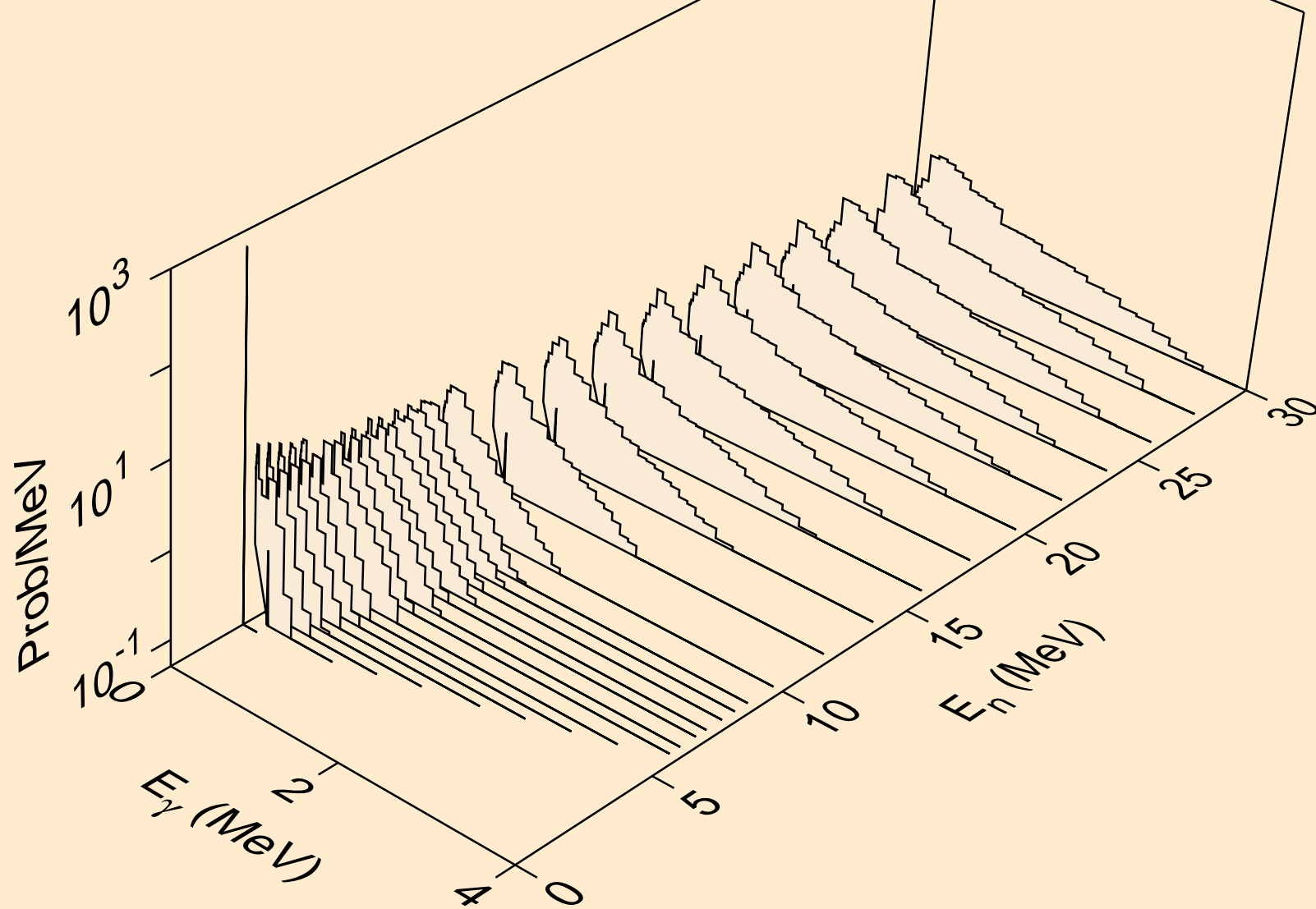
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,gma)



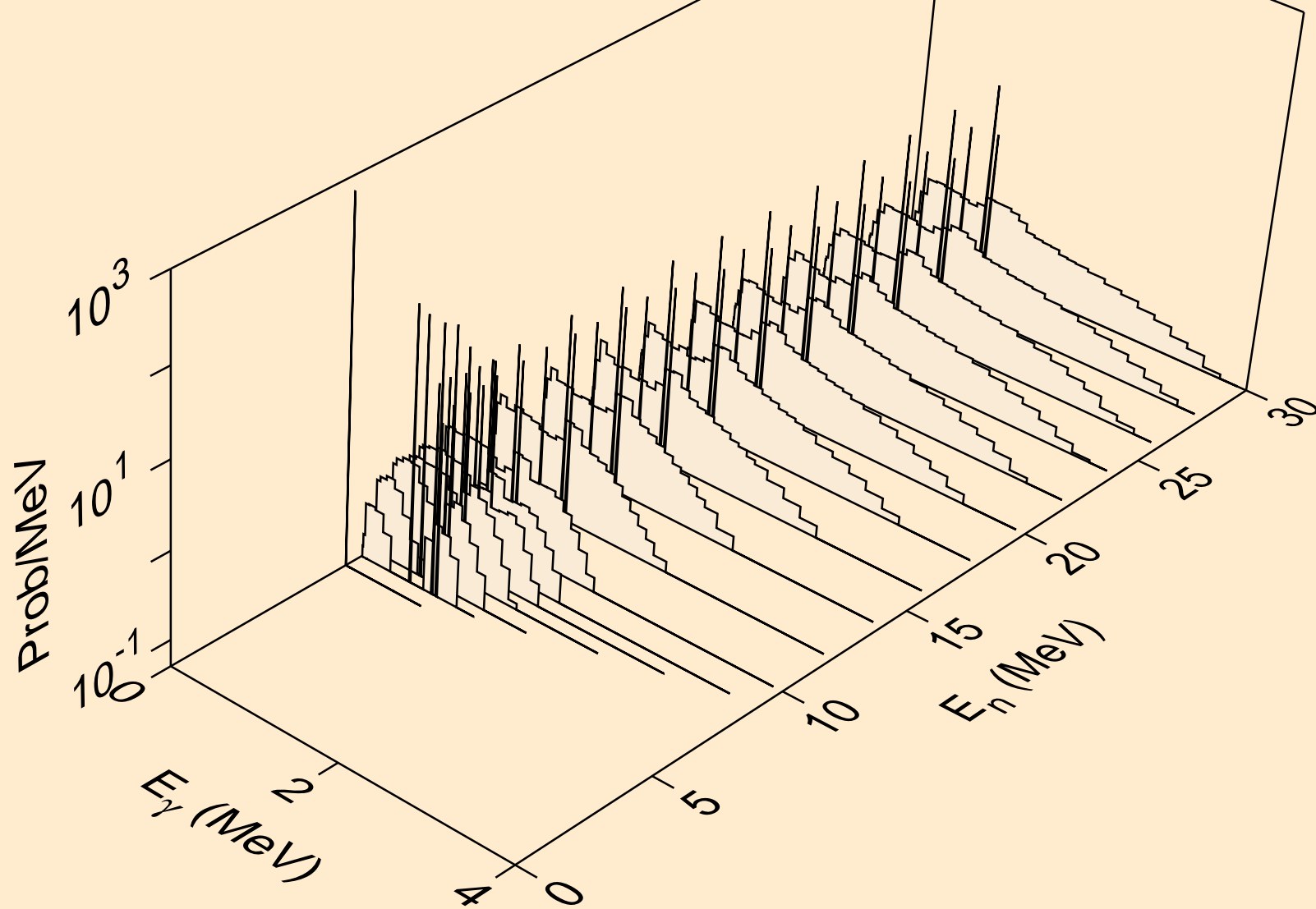
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,p)



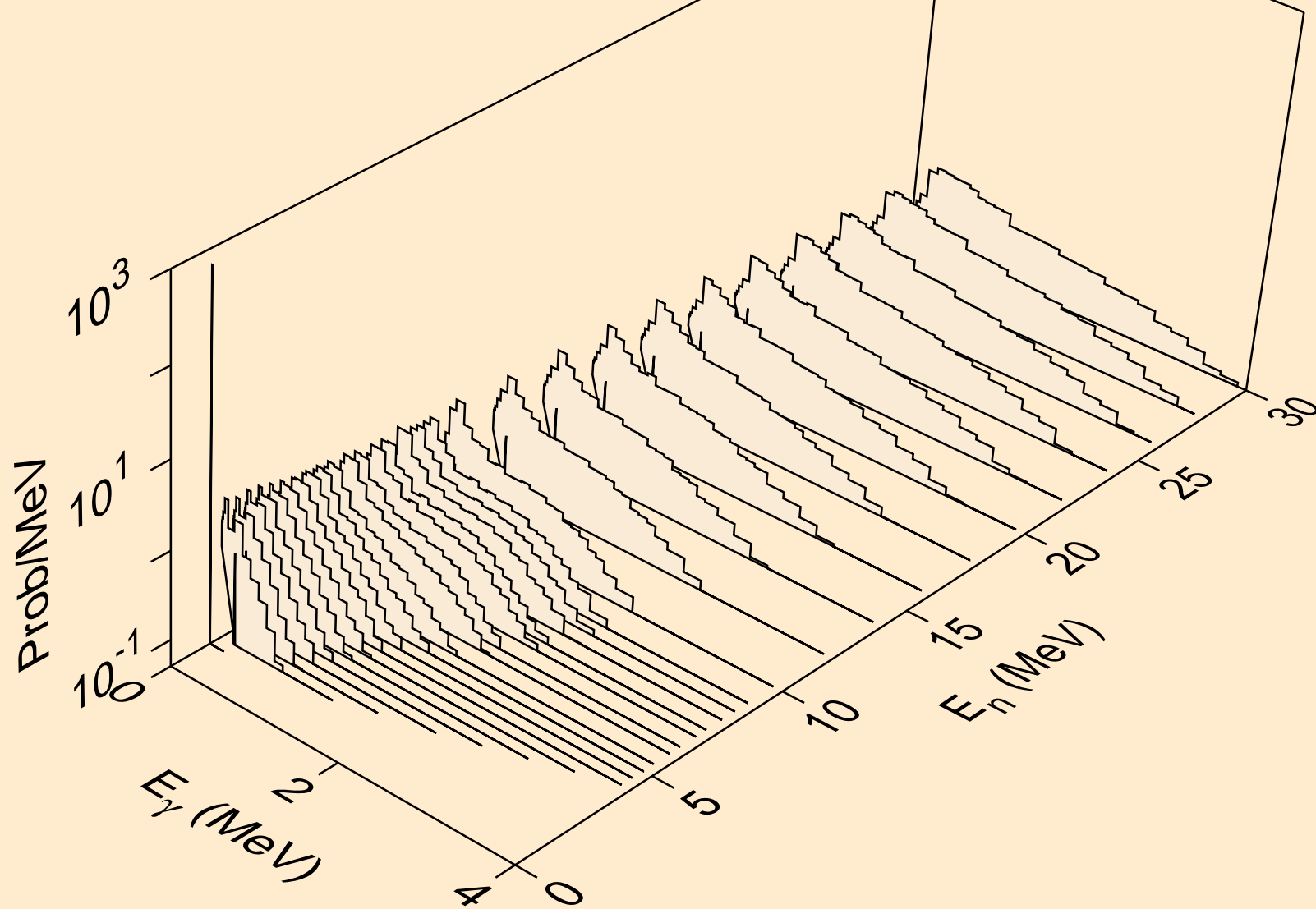
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,d)



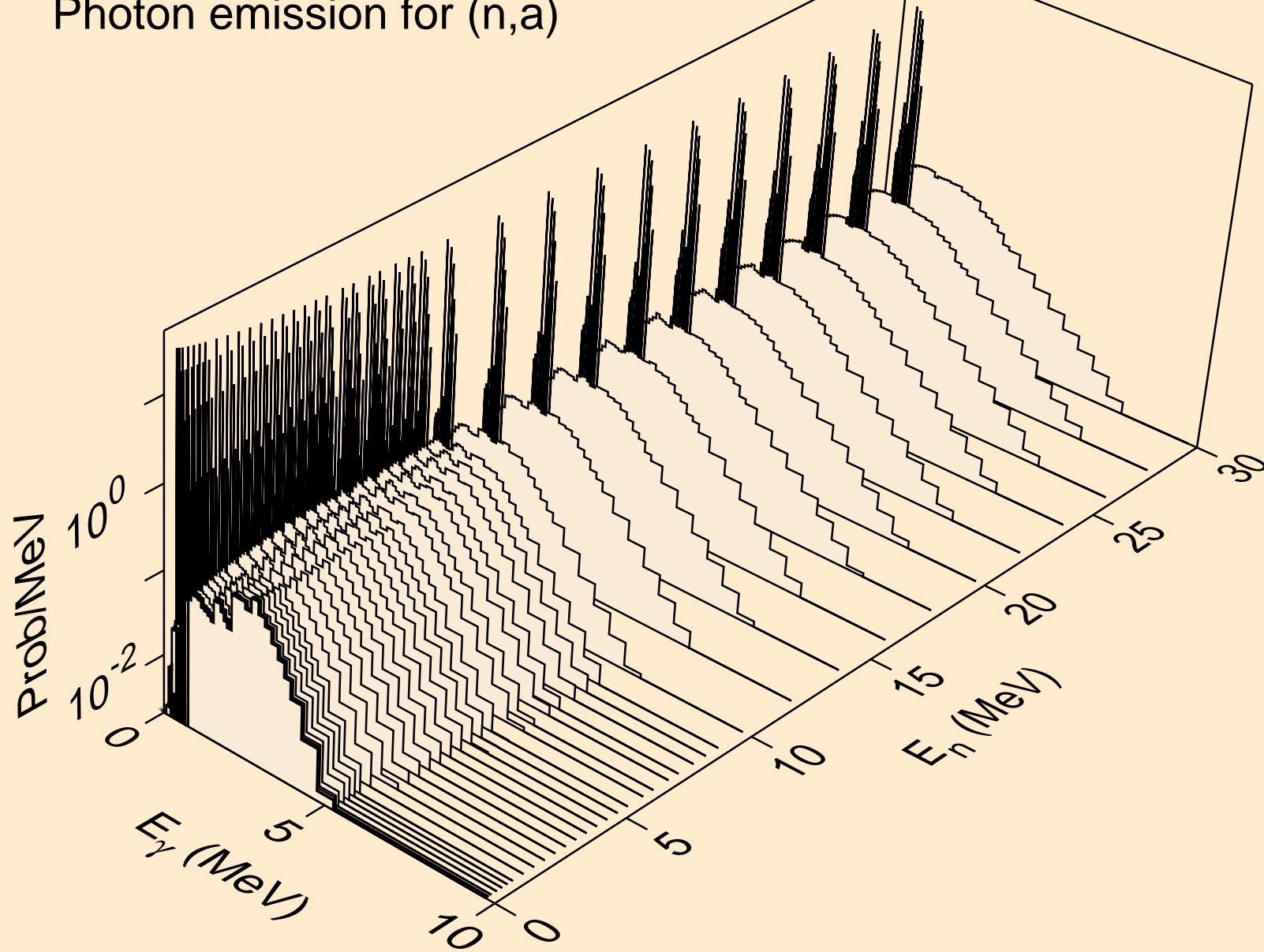
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,t)



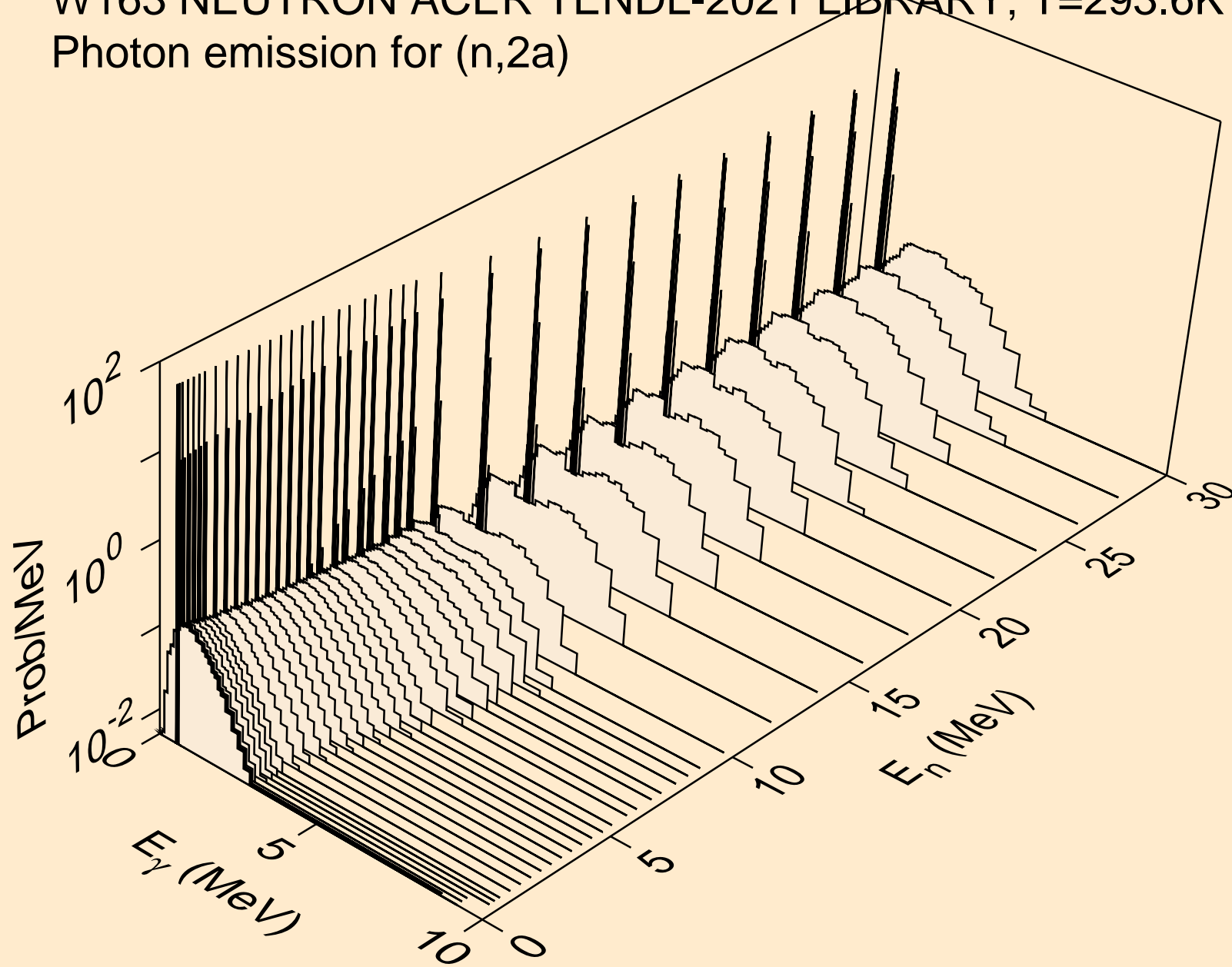
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,he3)



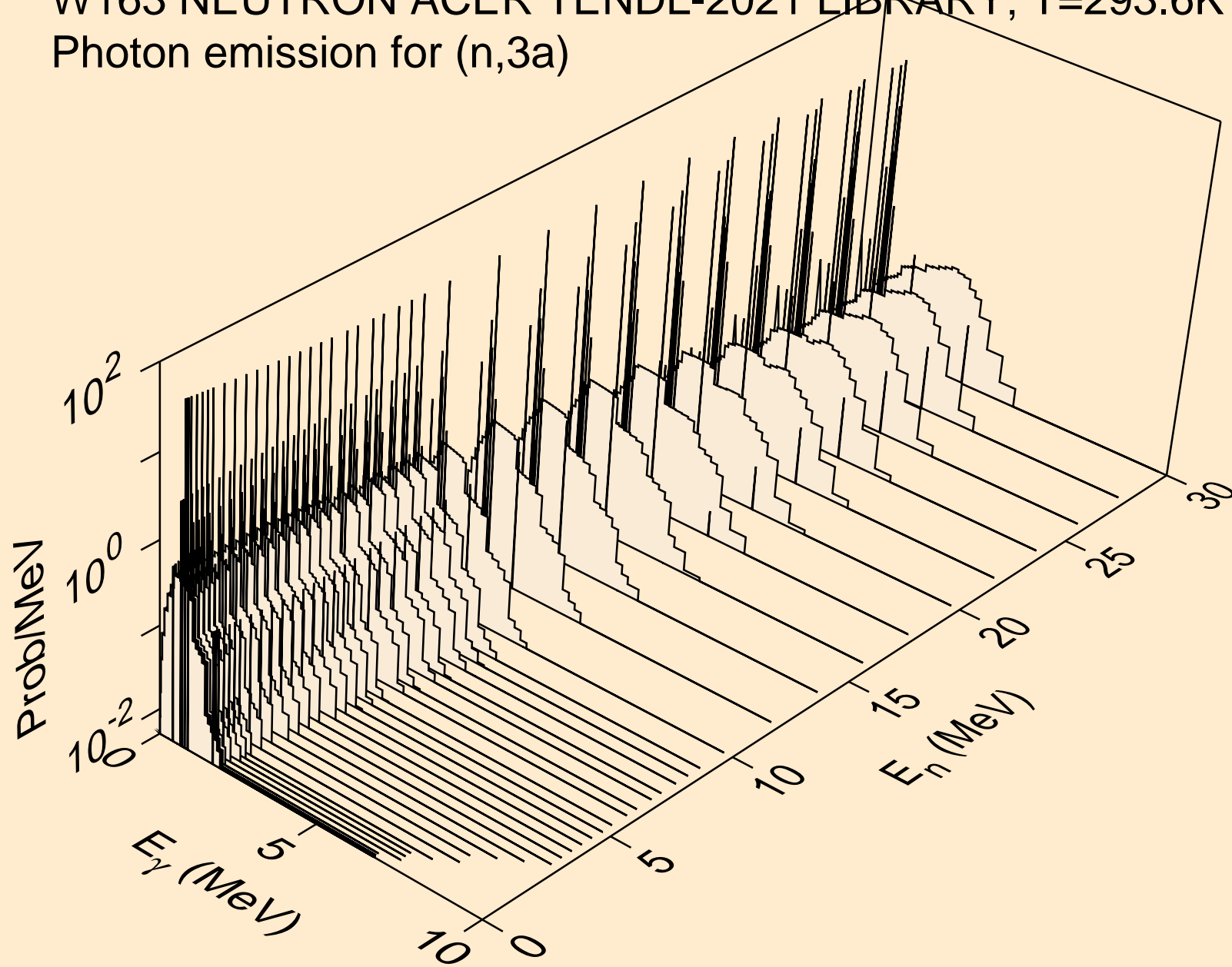
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,a)



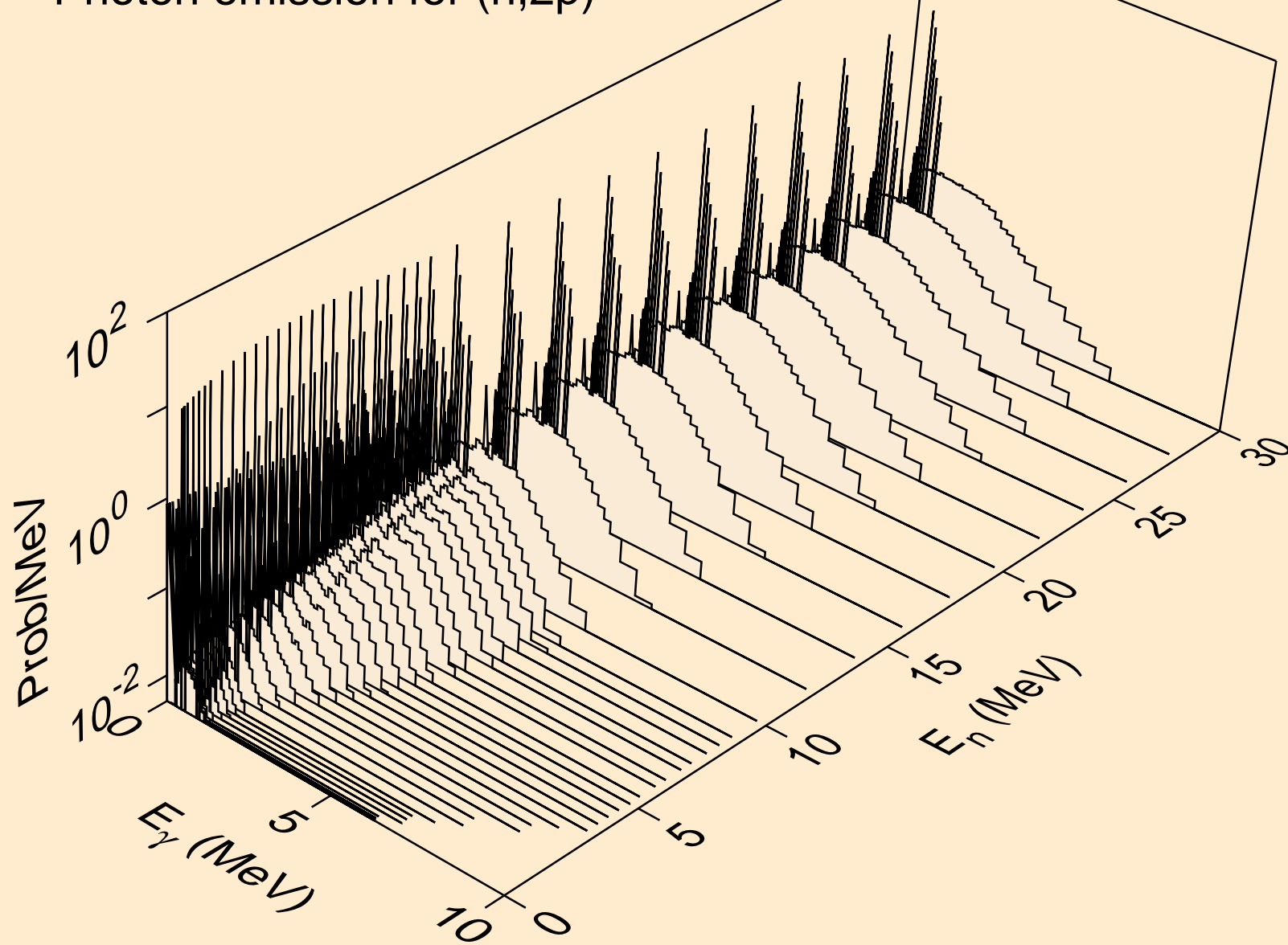
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2a)



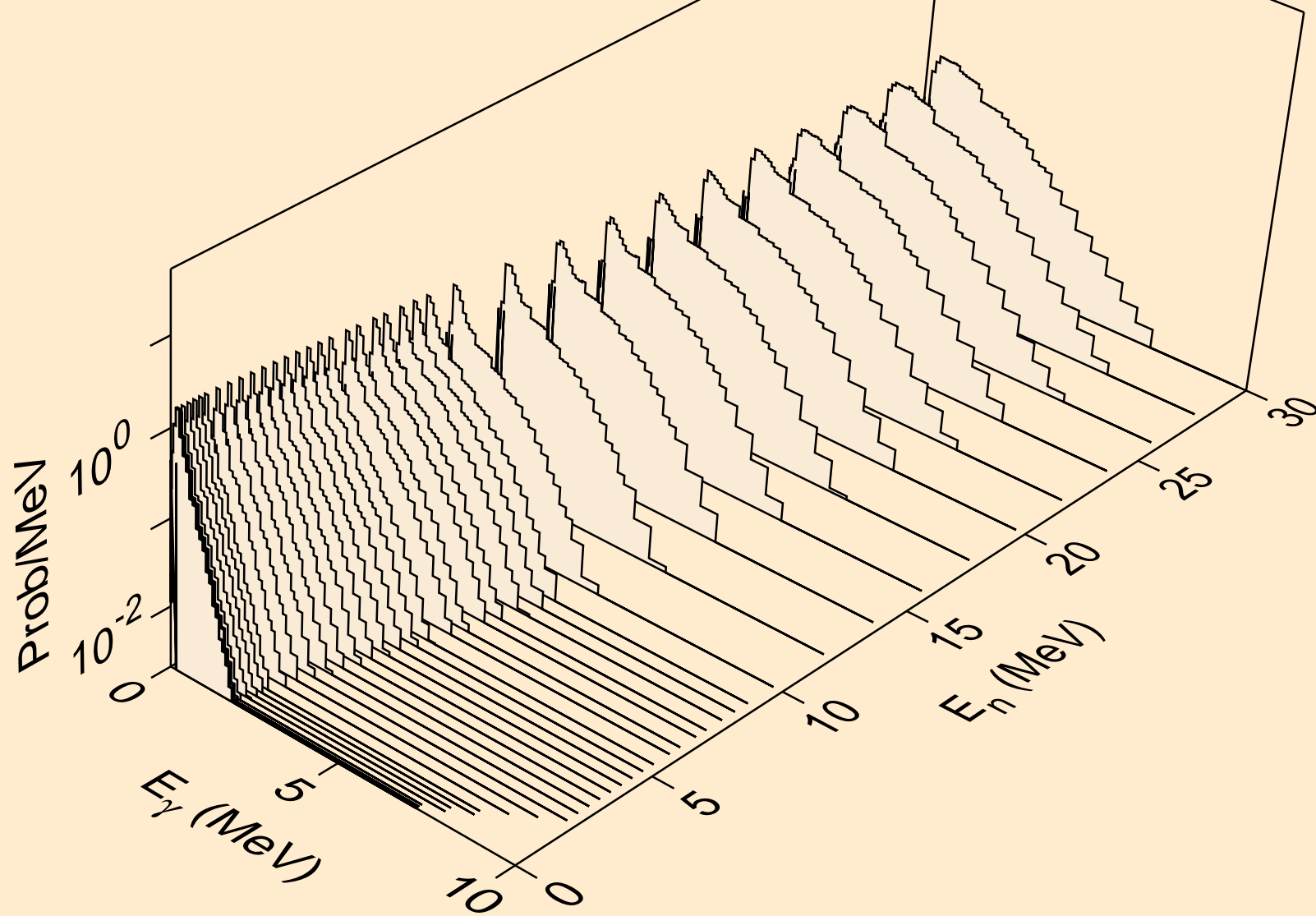
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3a)



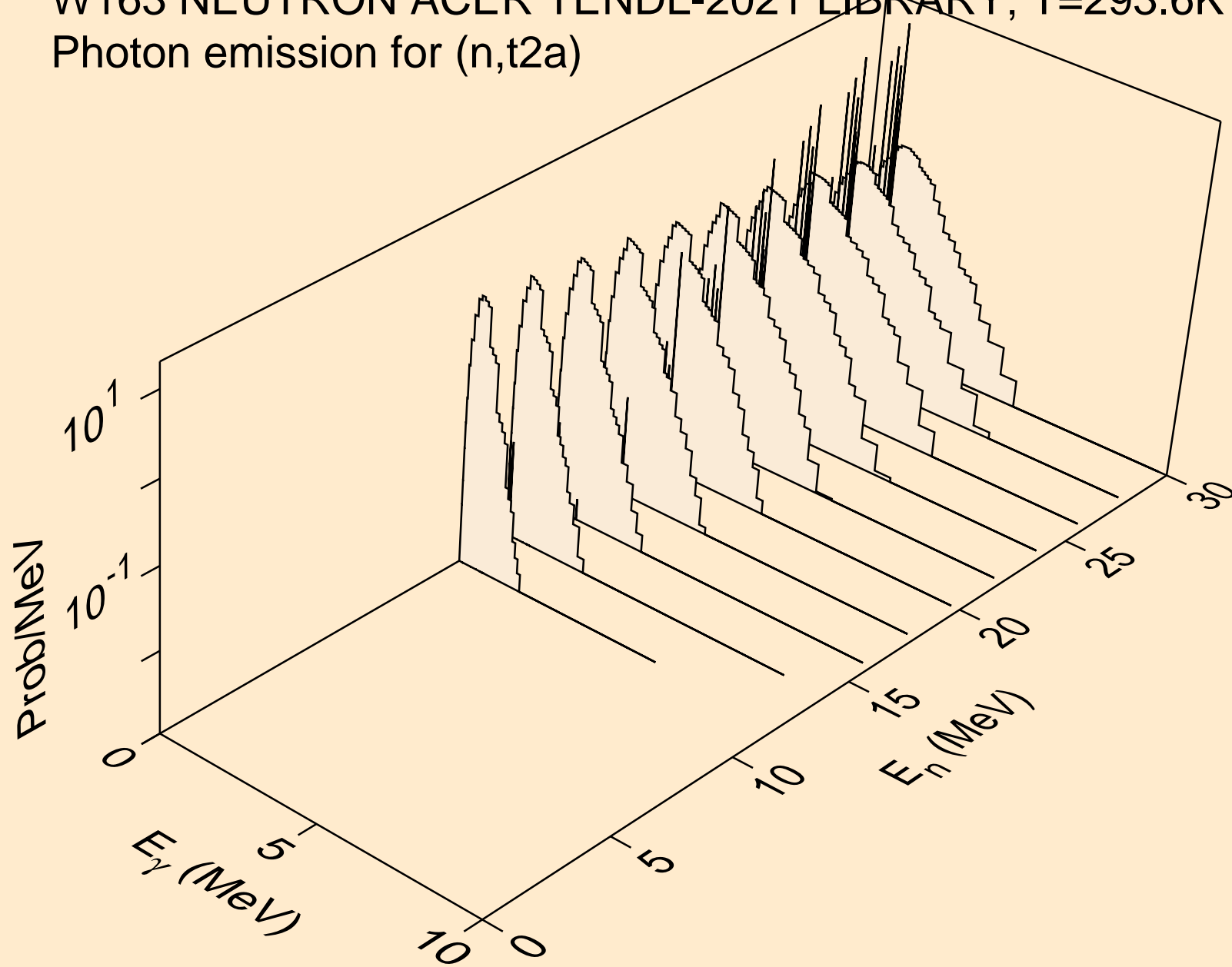
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2p)



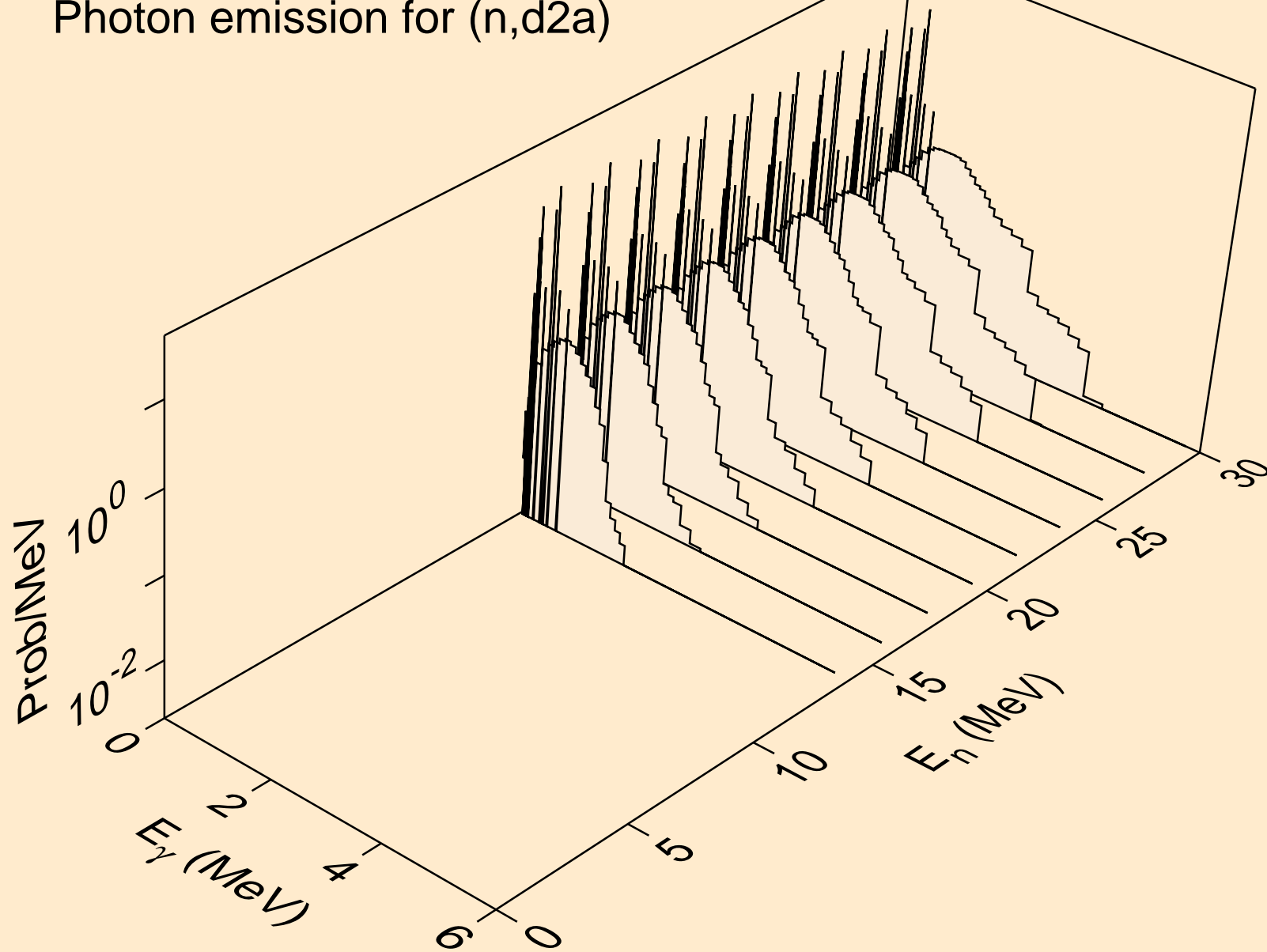
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,p)



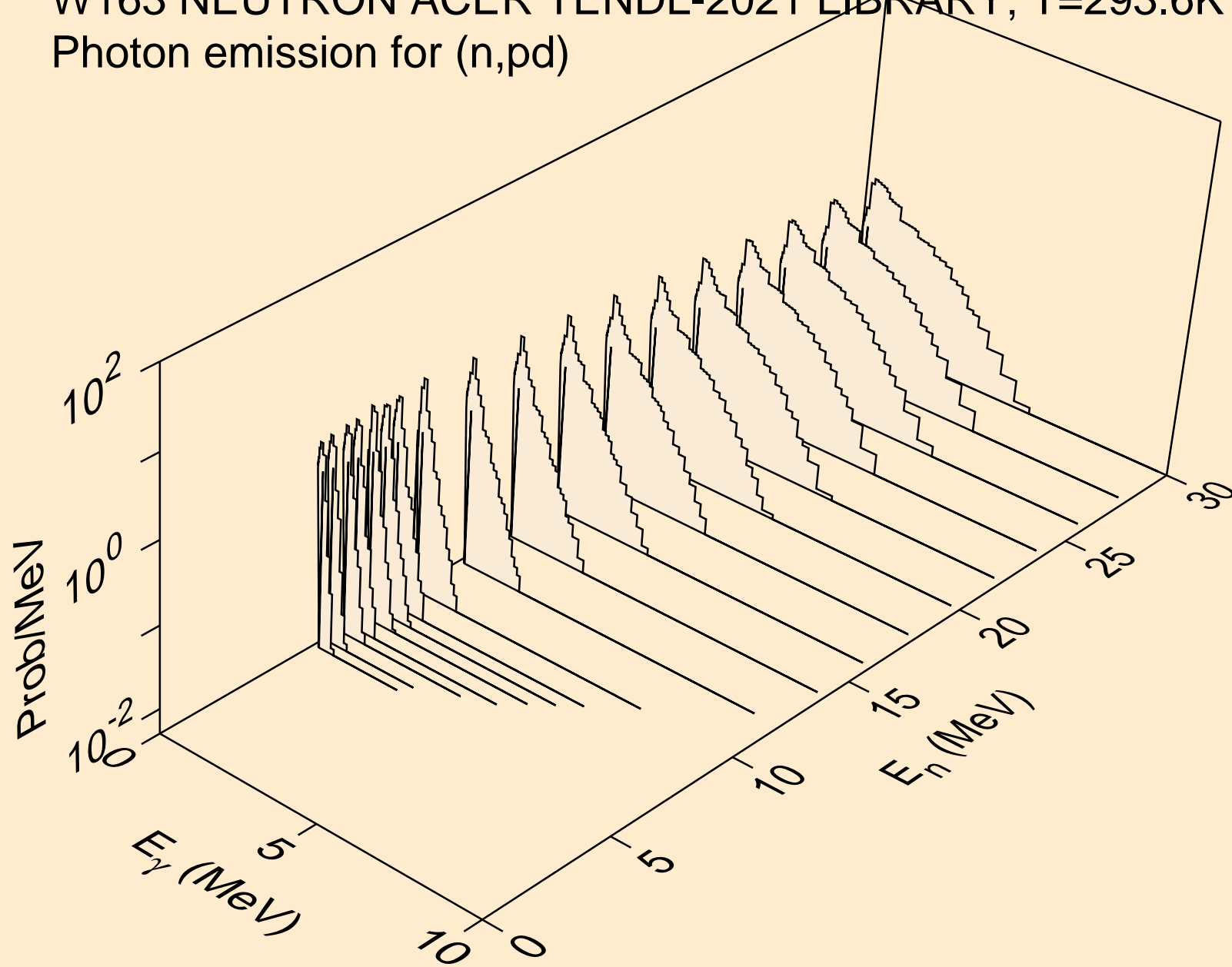
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,t2a)



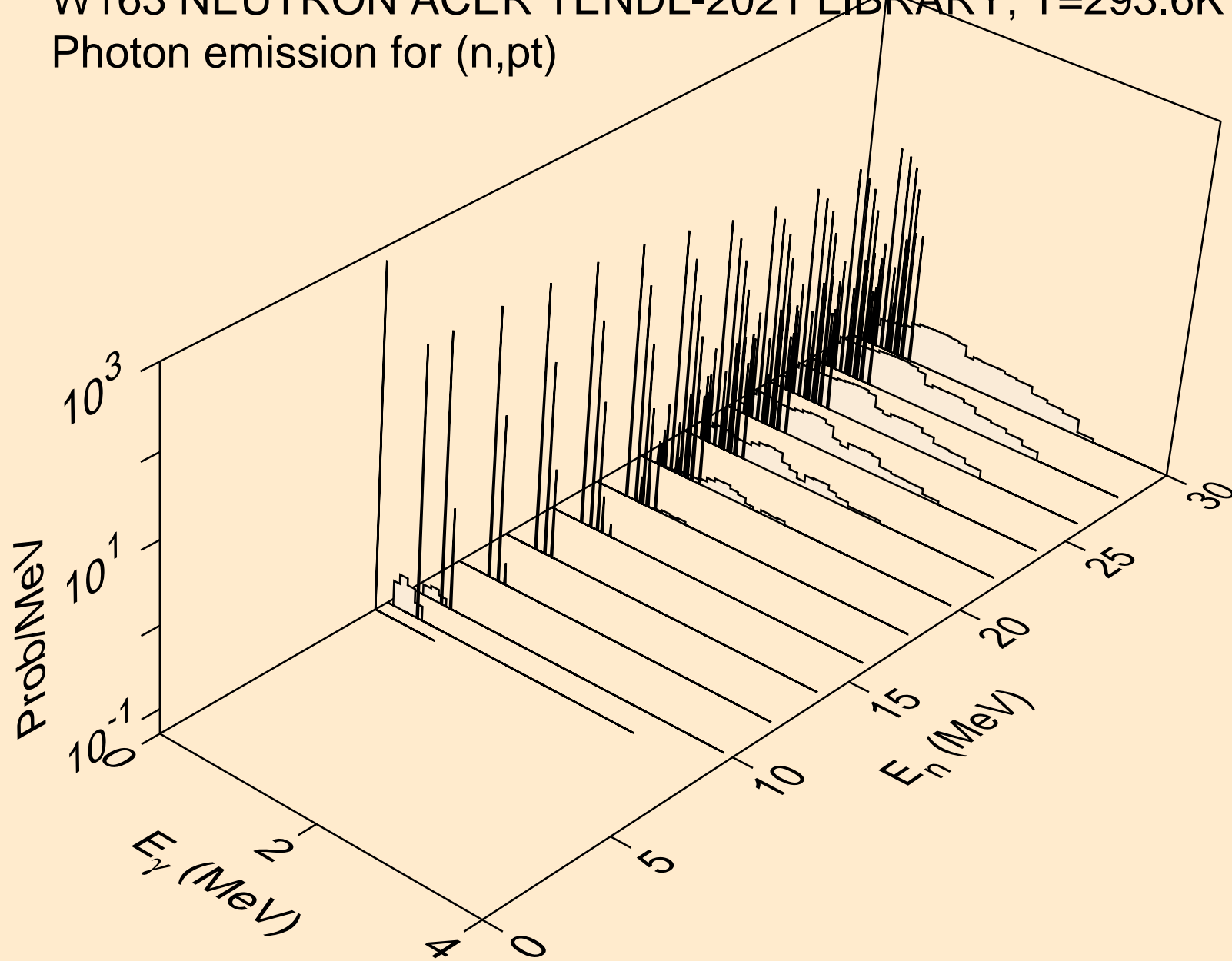
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,d2a)



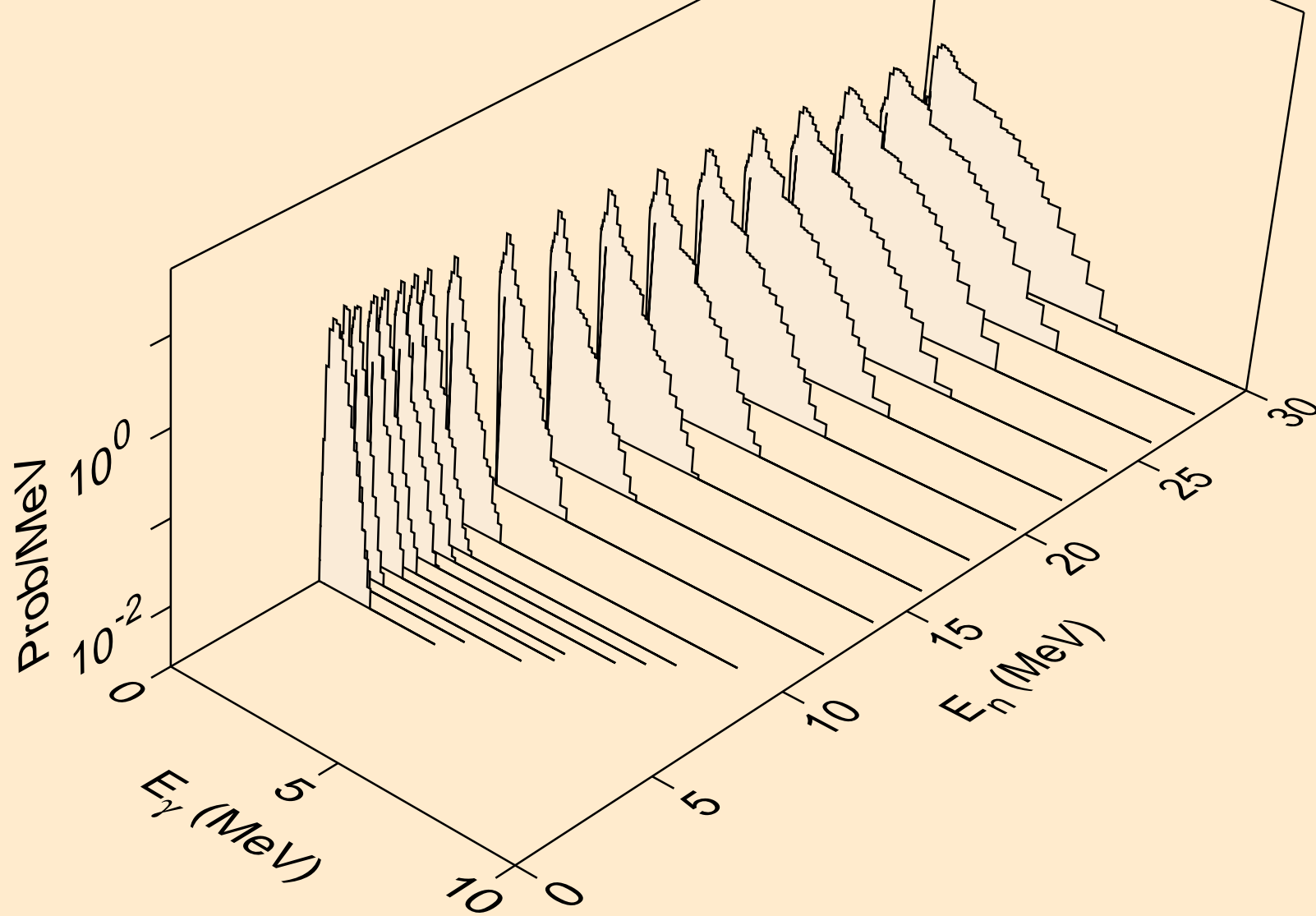
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pd)



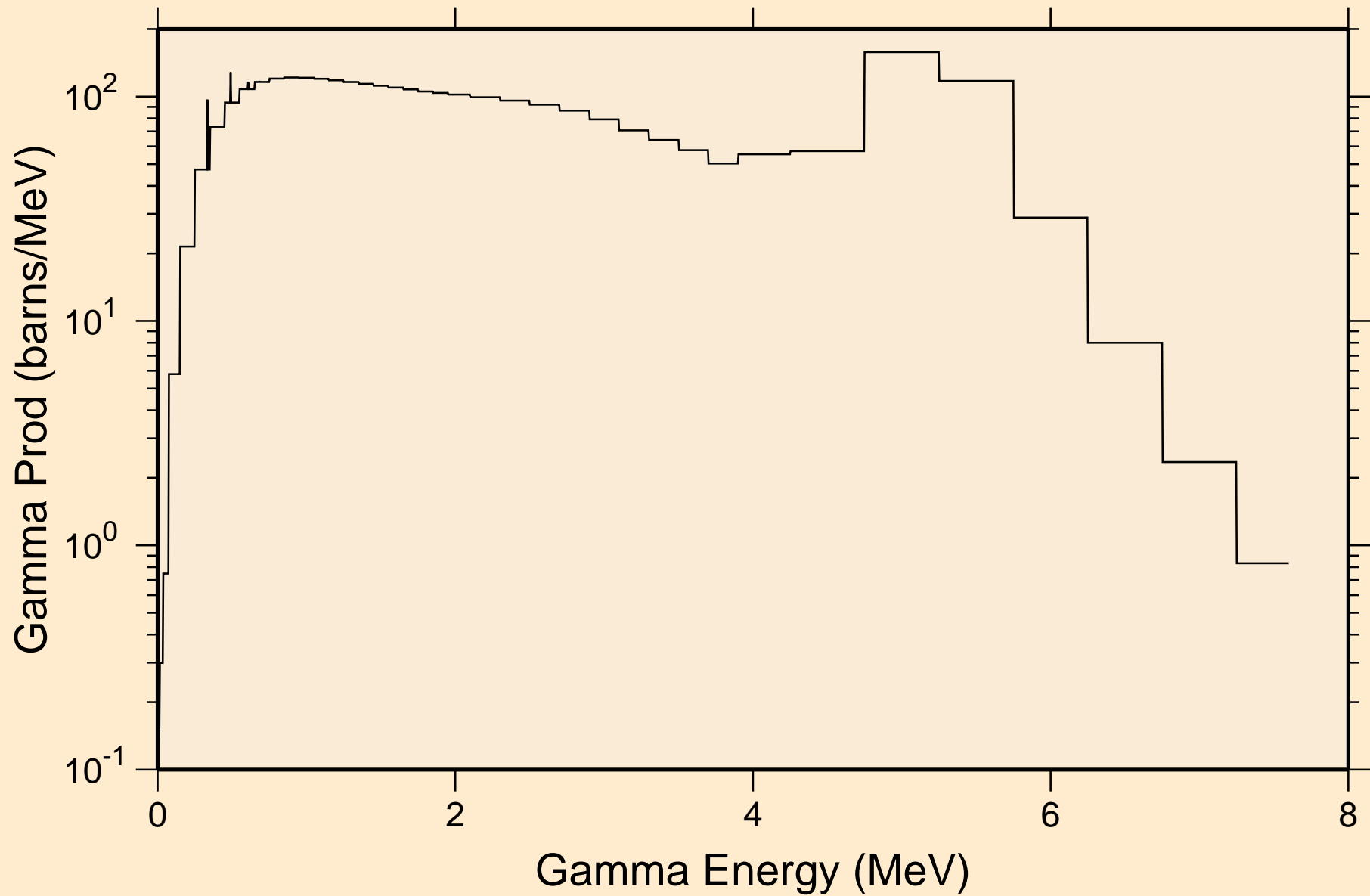
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pt)



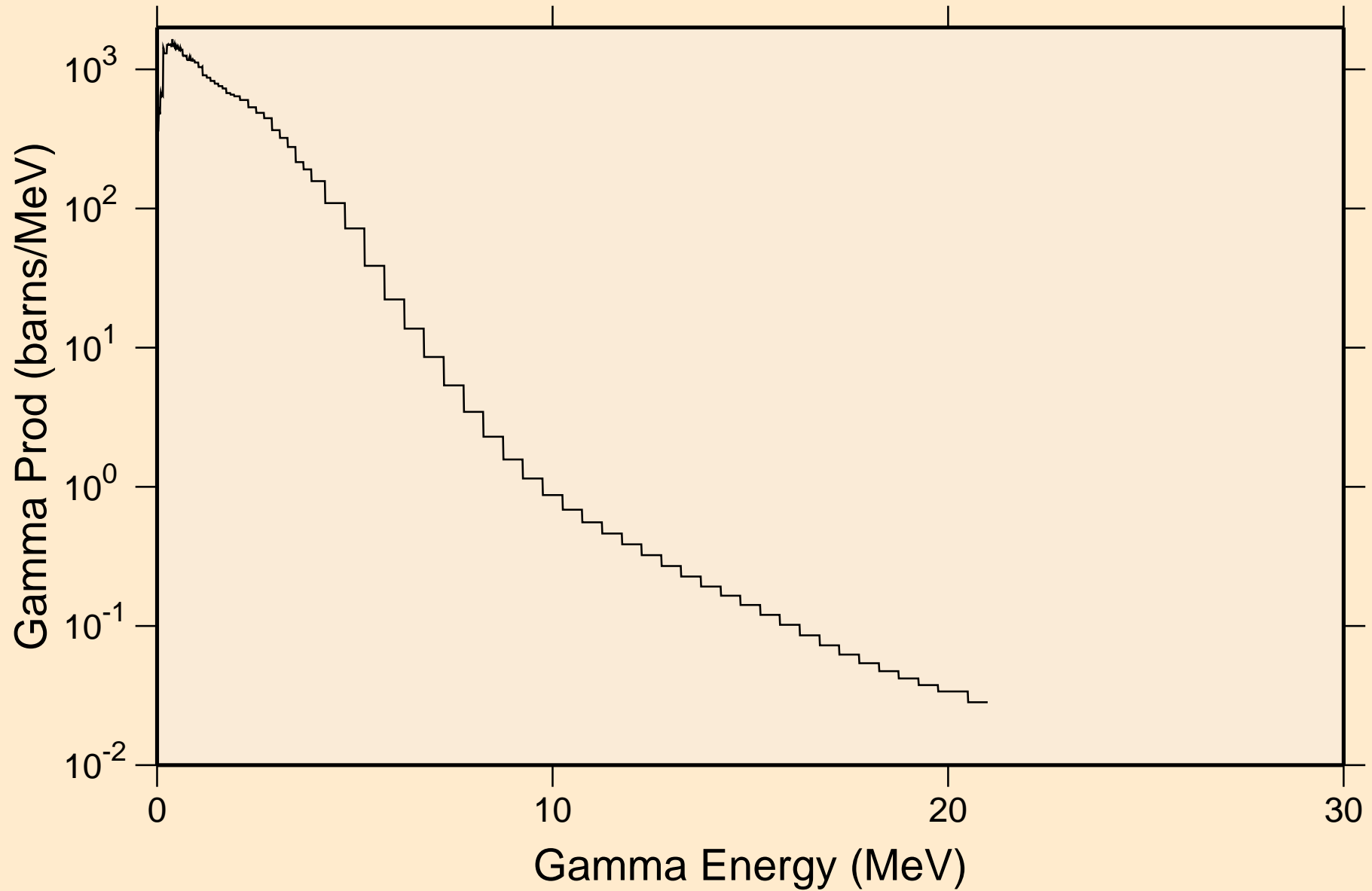
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,da)



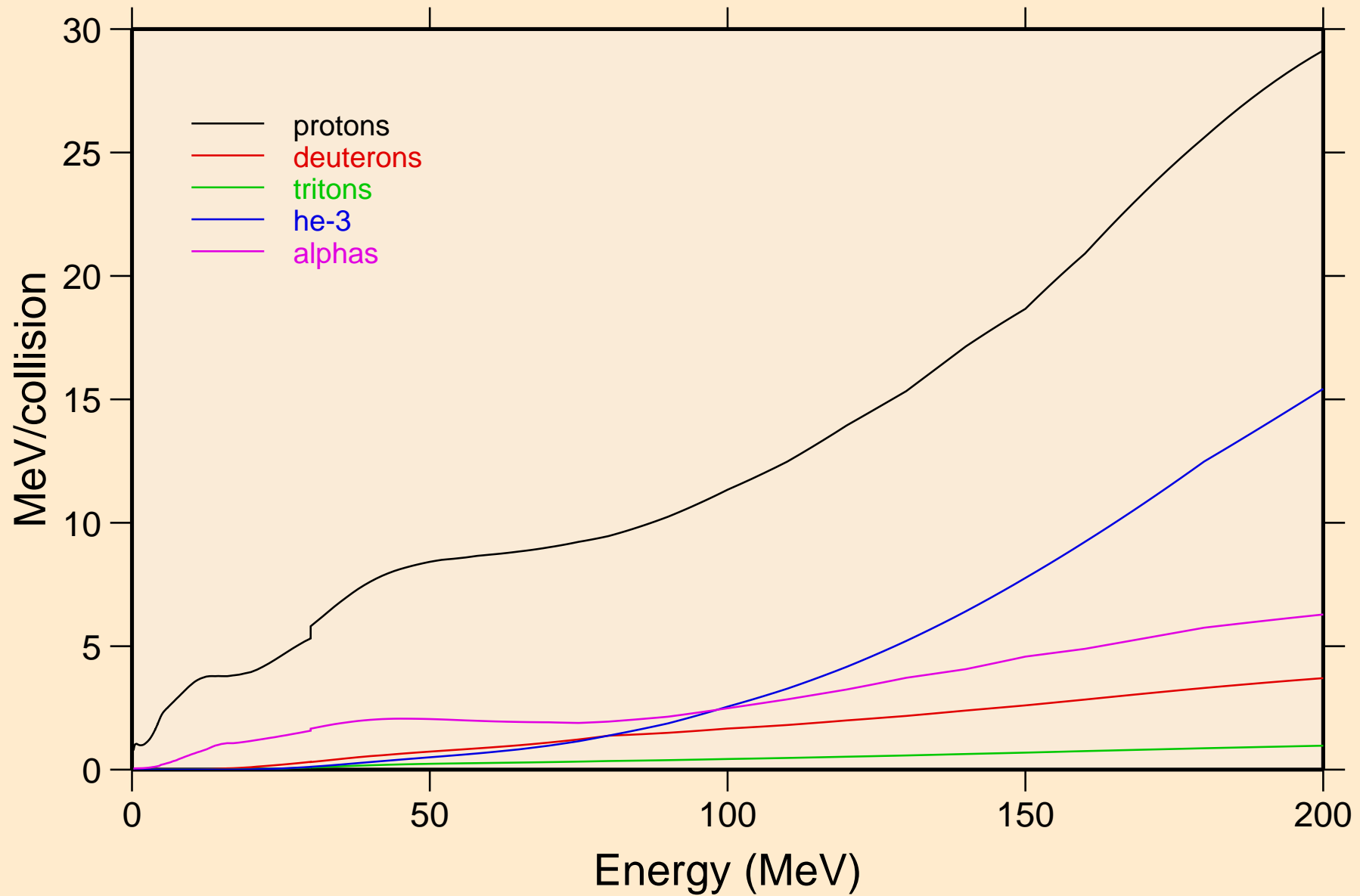
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
thermal capture photon spectrum



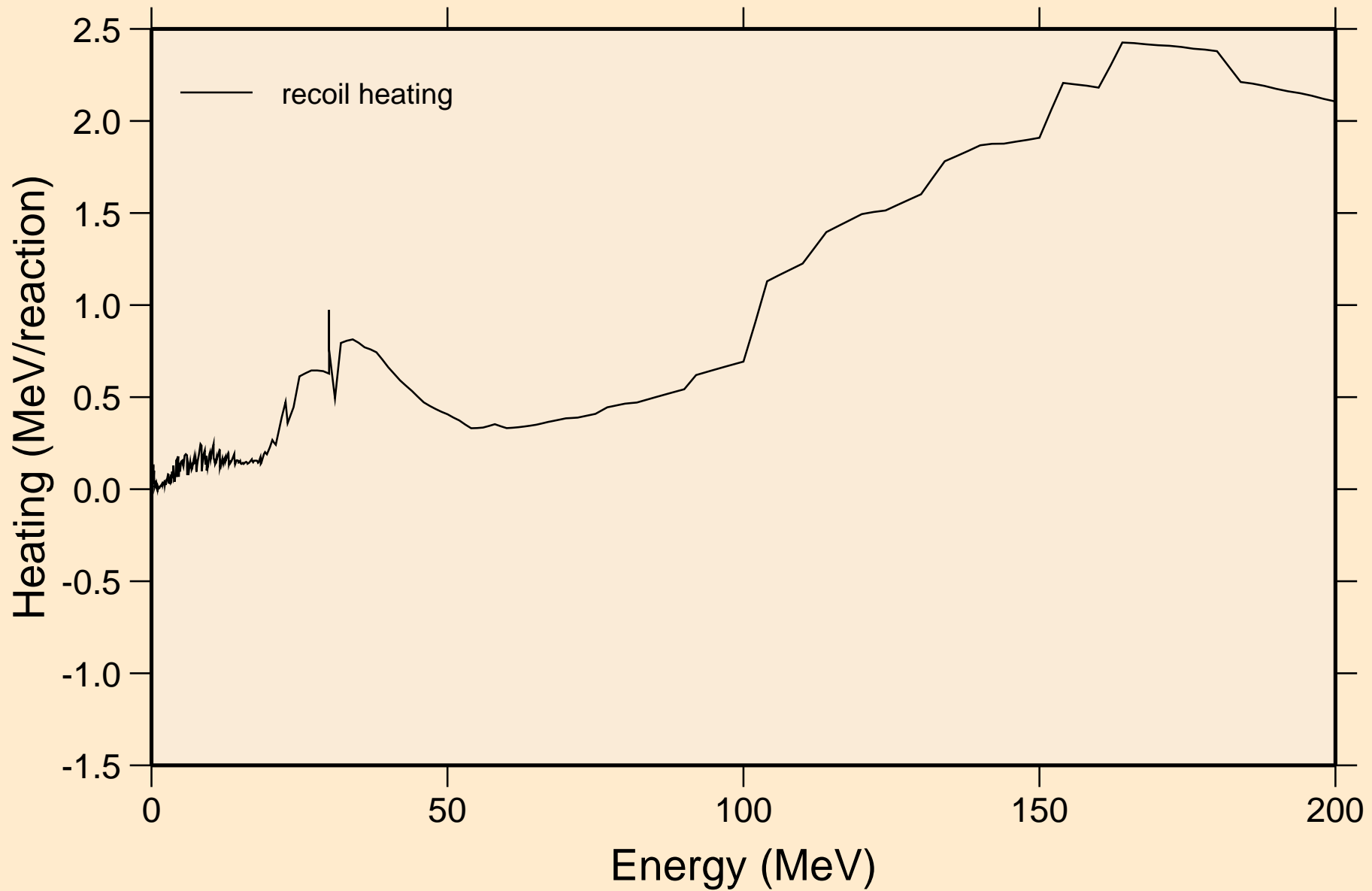
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
14 MeV photon spectrum



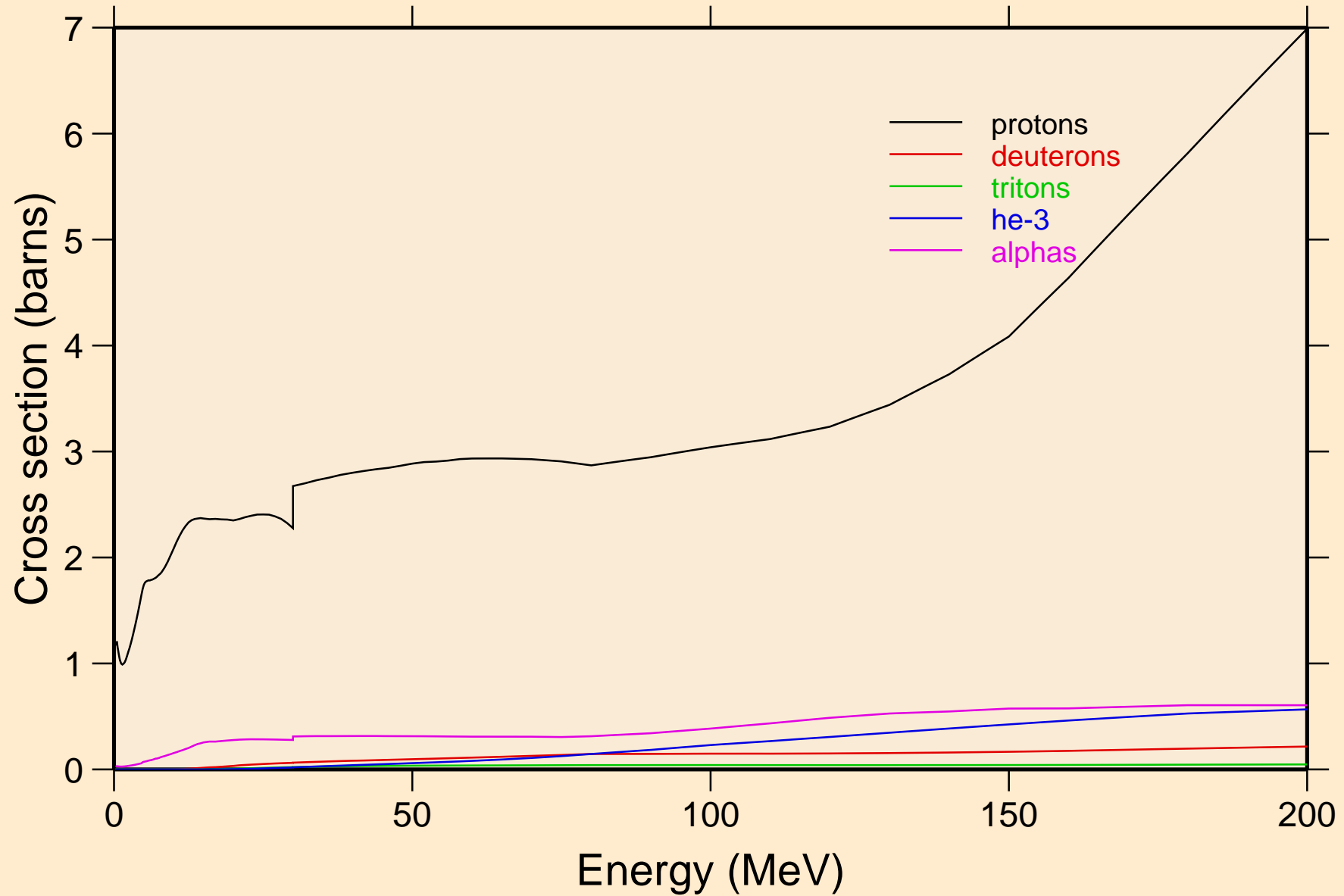
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Particle heating contributions



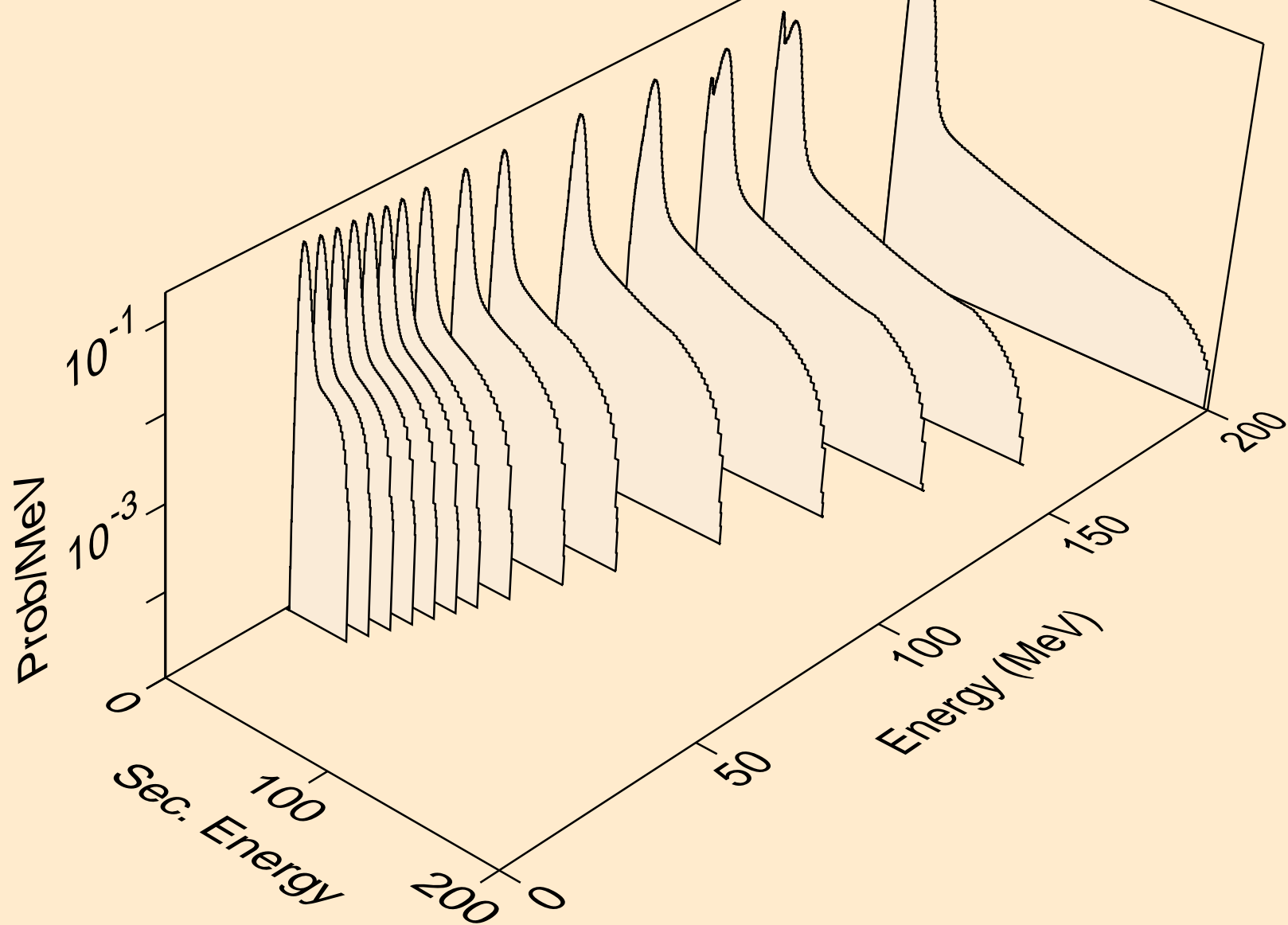
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Recoil Heating



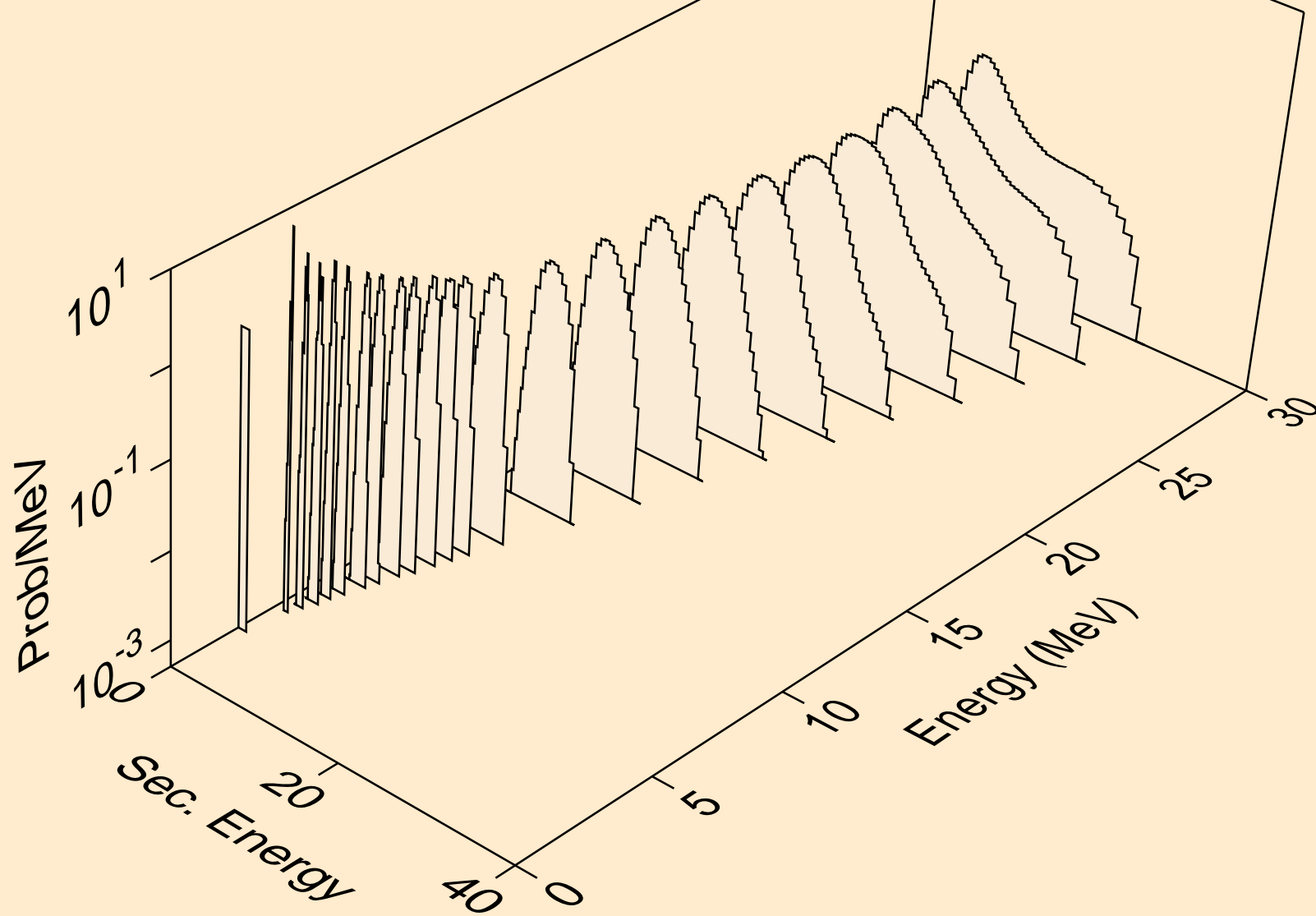
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Particle production cross sections



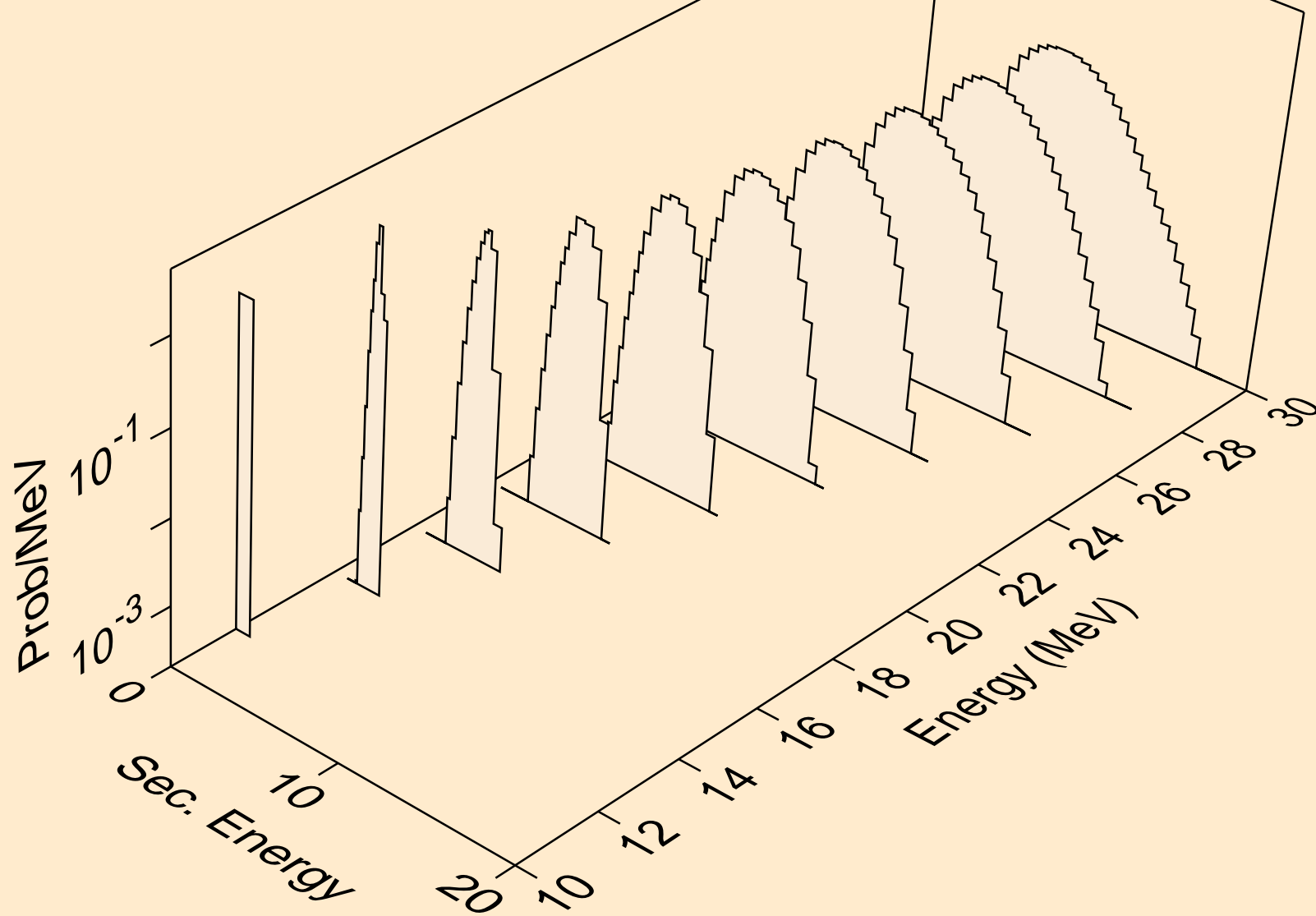
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,x)



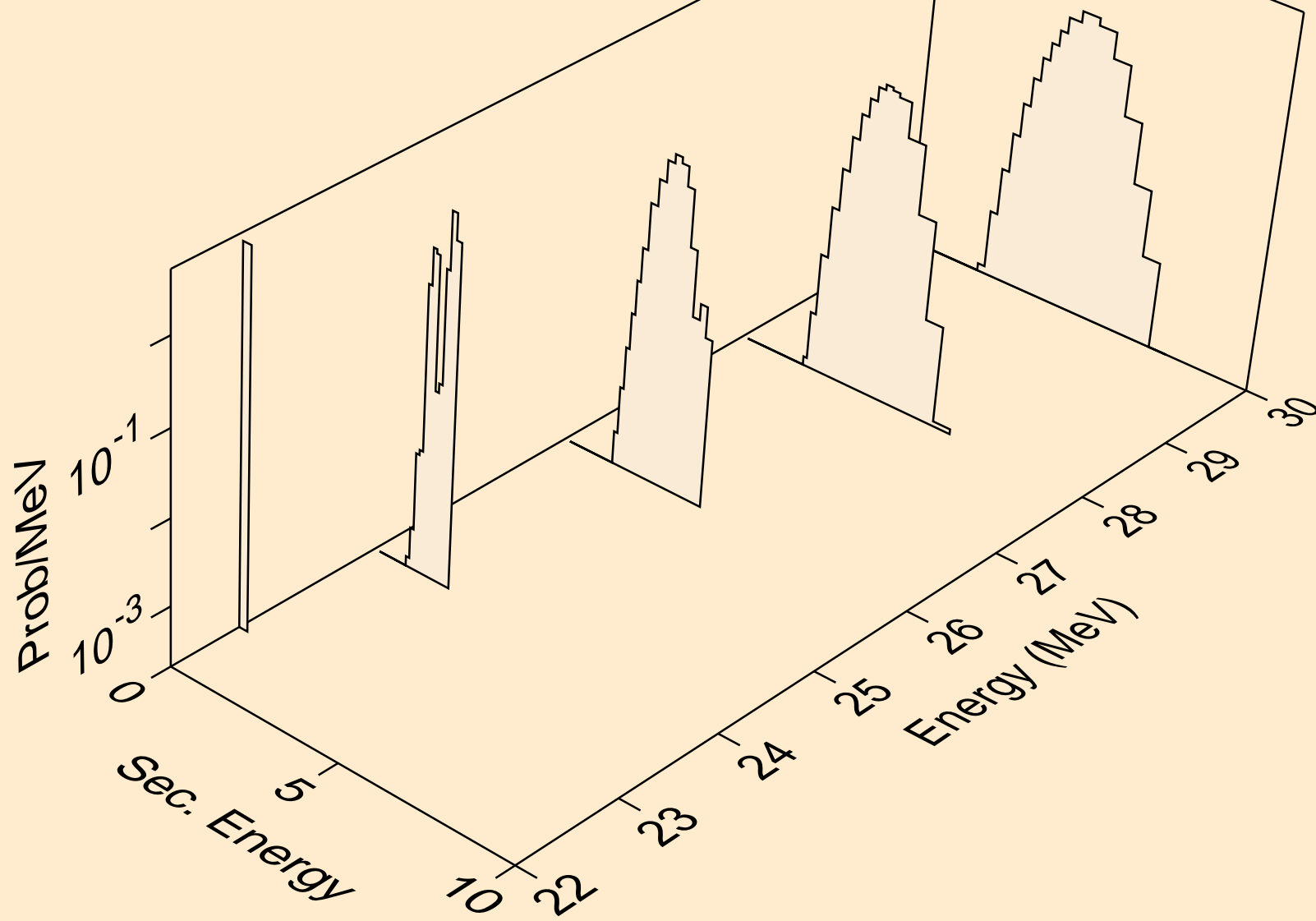
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,n*)p



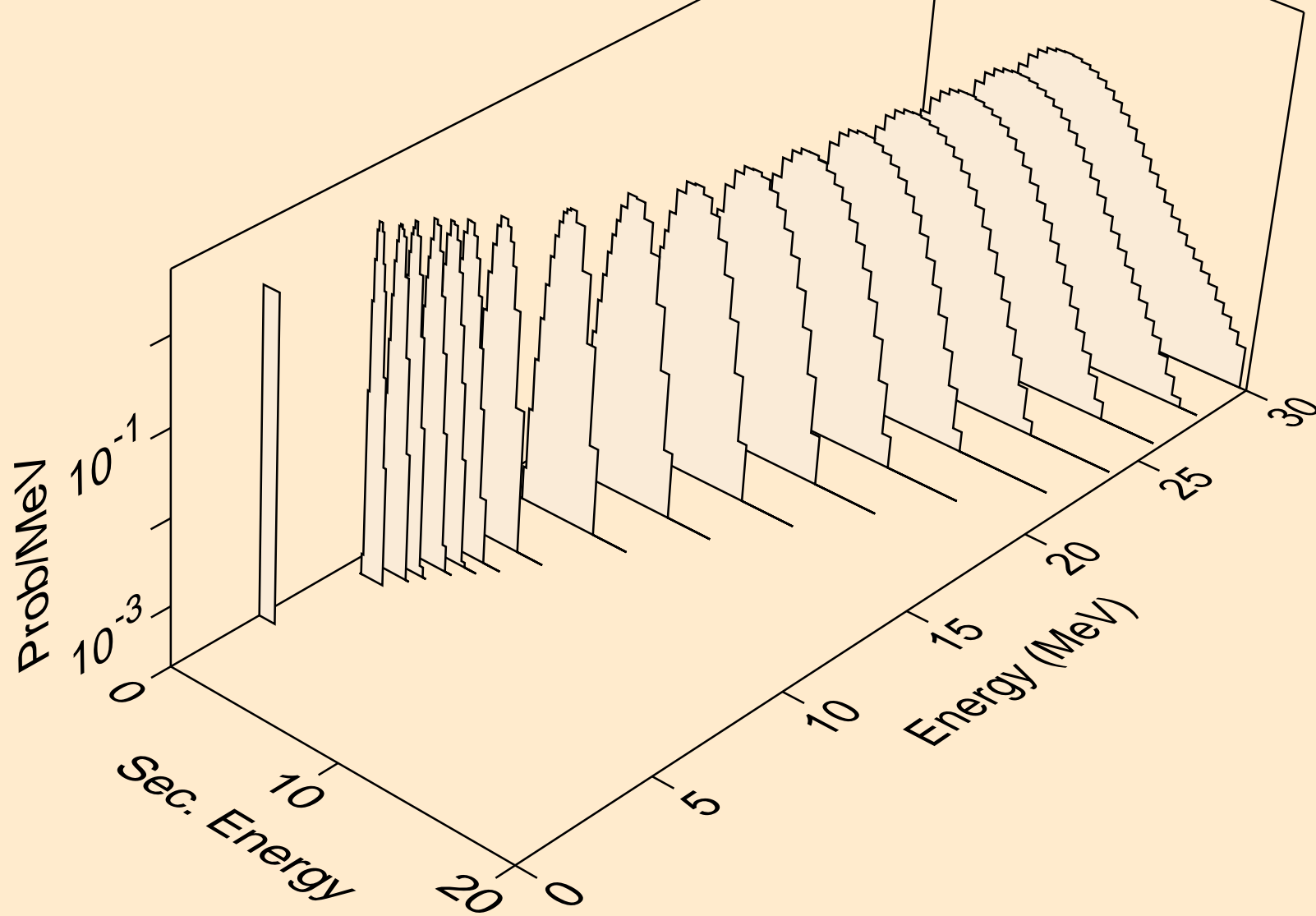
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protons from (n,2np)



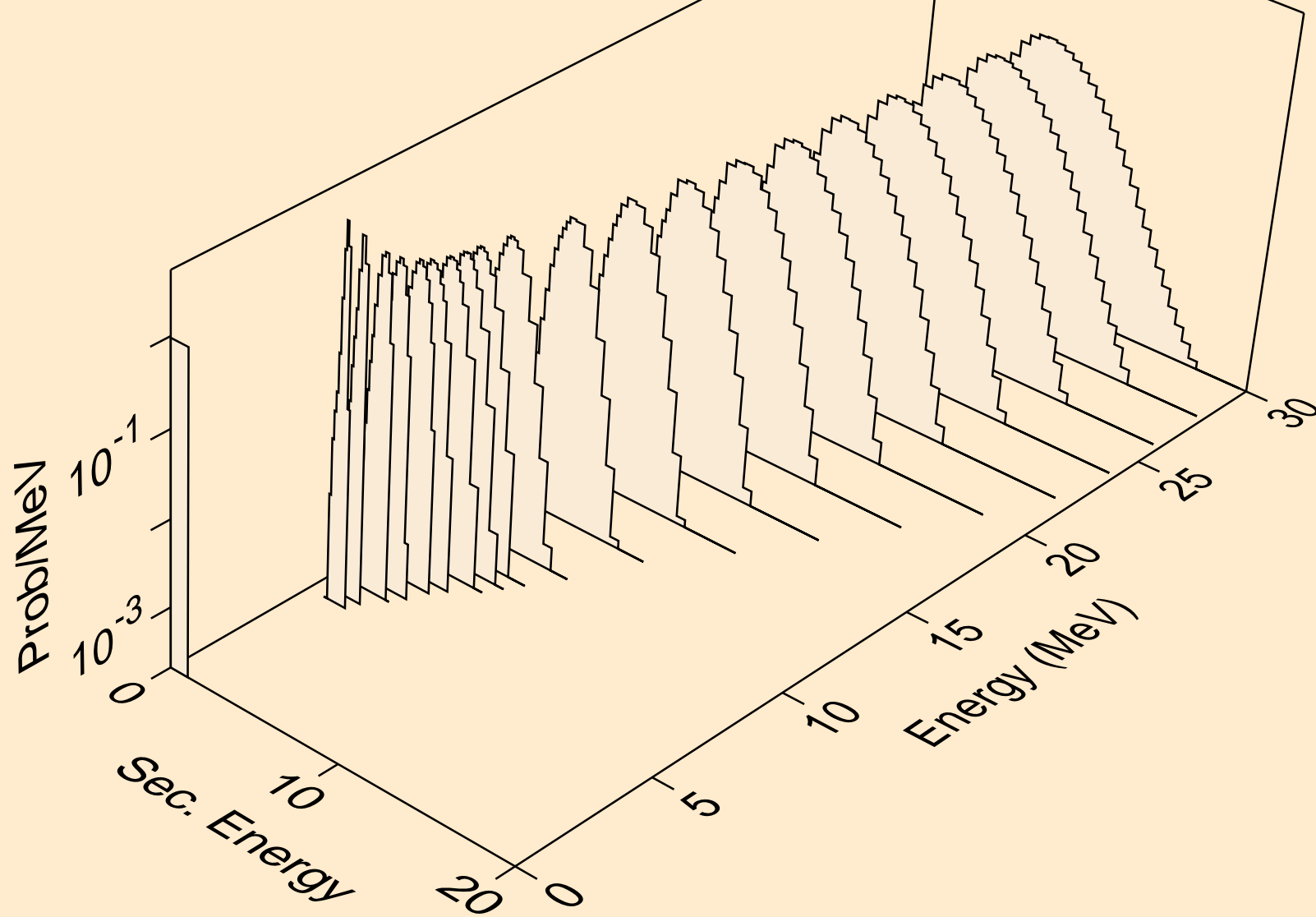
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protons from (n,3np)



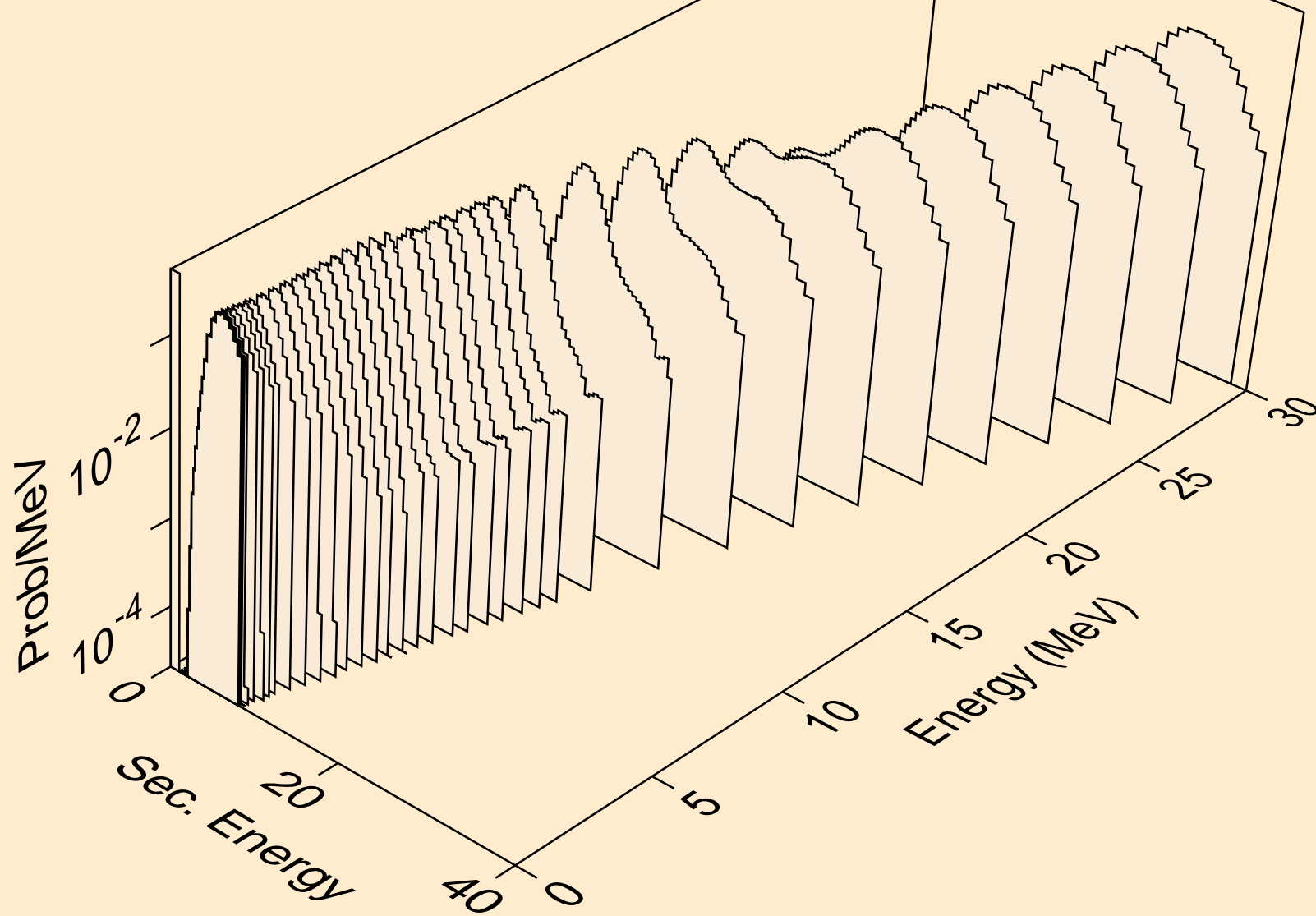
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protons from (n,2np)



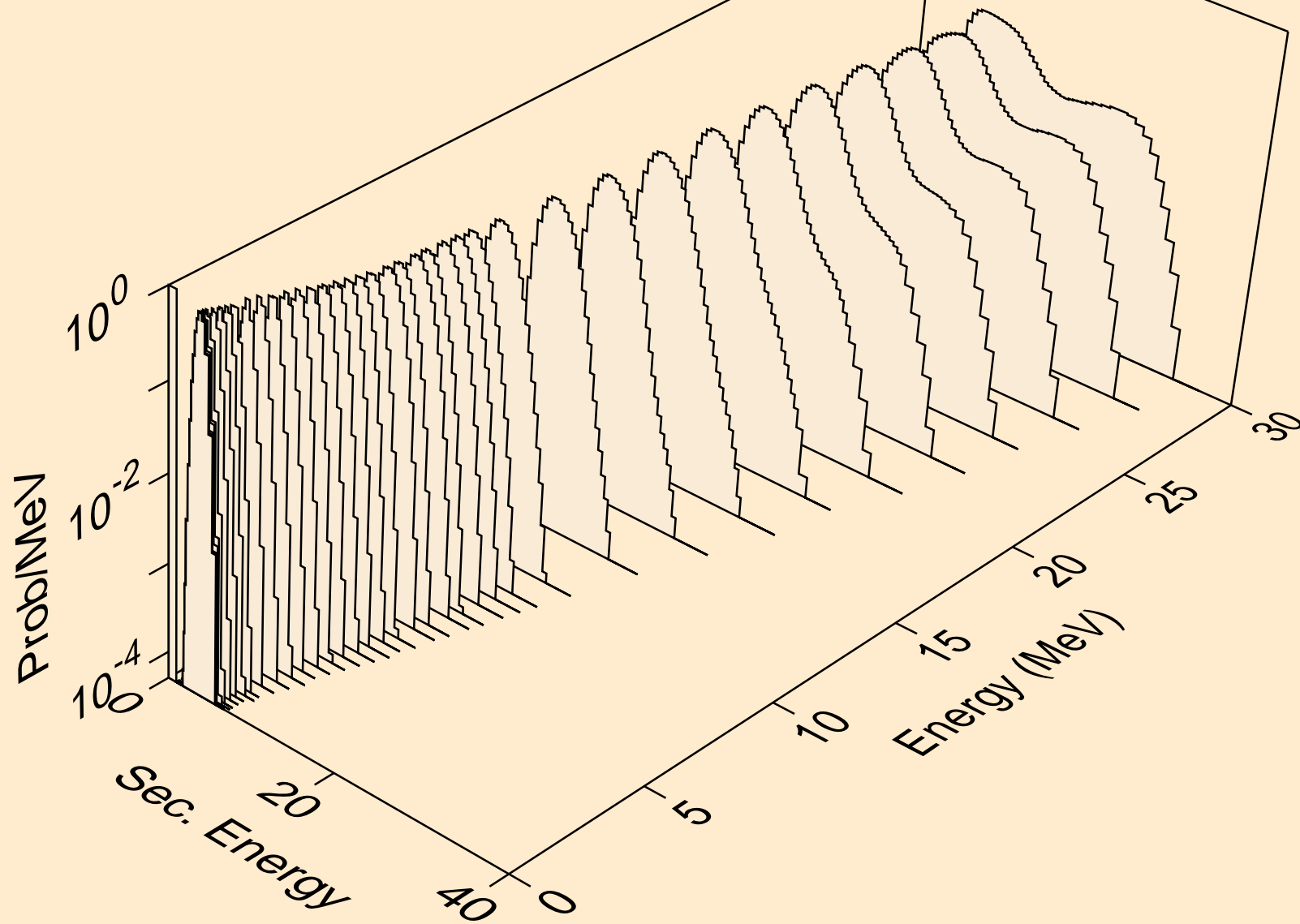
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protons from (n,npa)



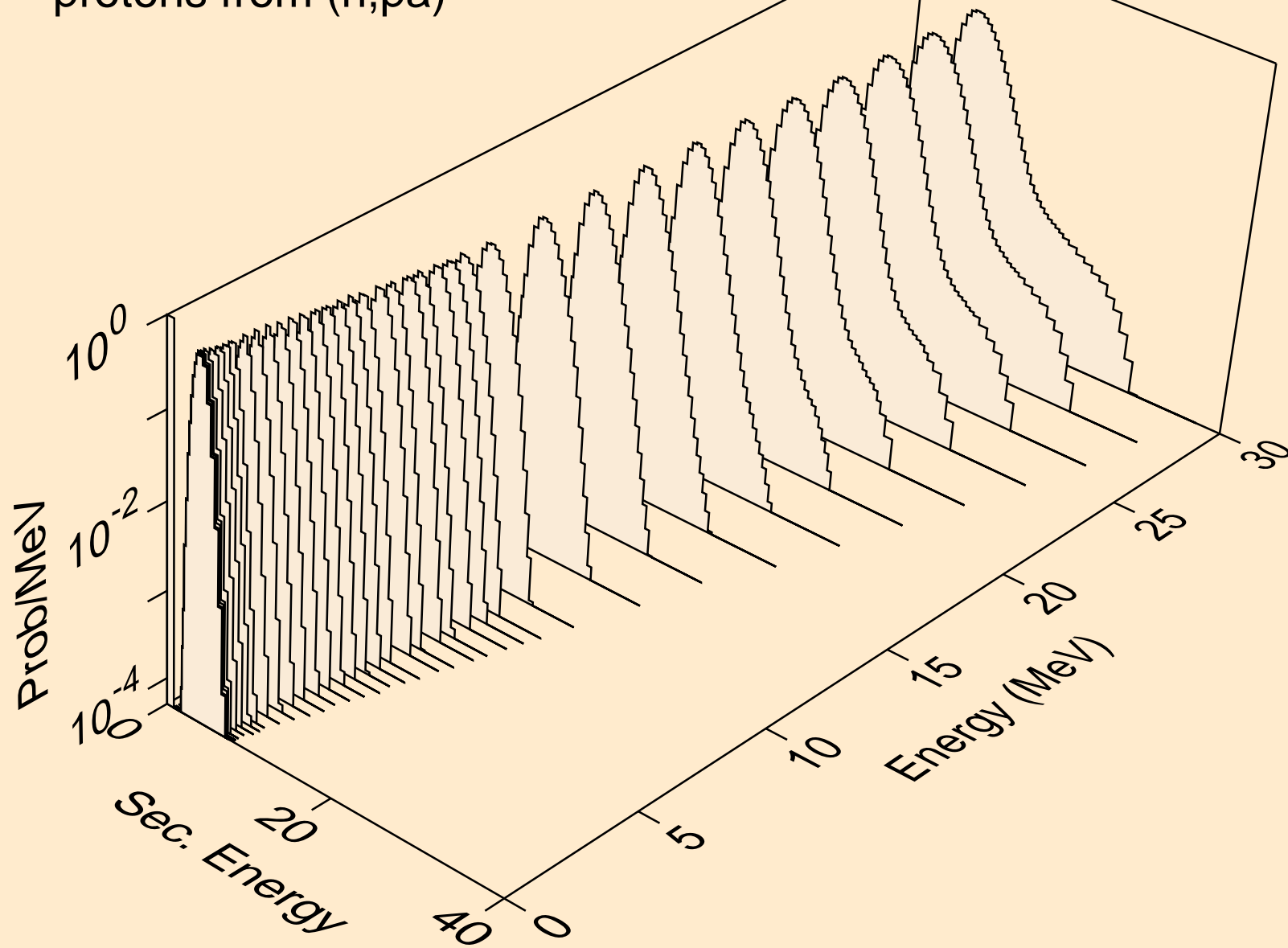
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protons from (n,p)



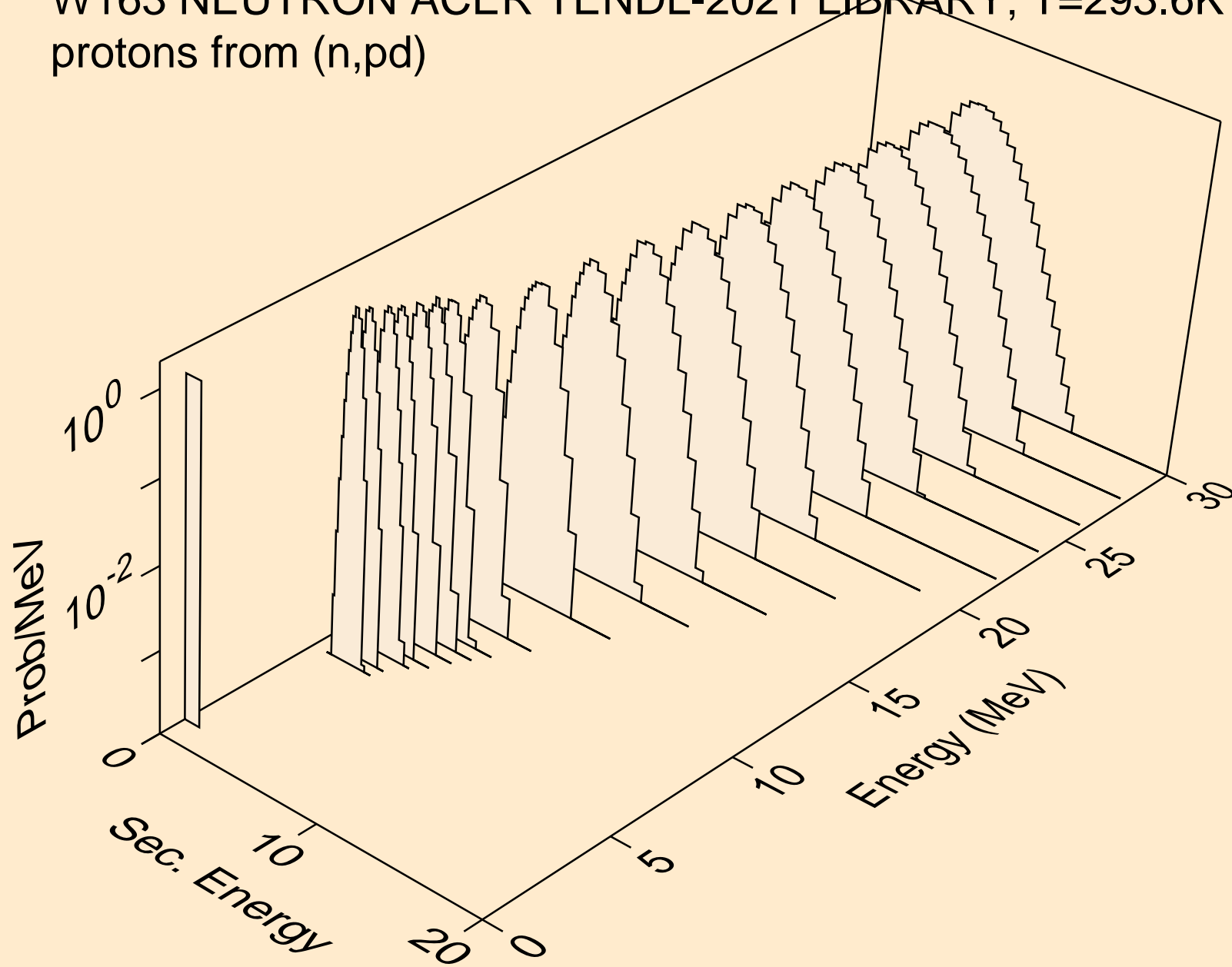
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protons from (n,2p)



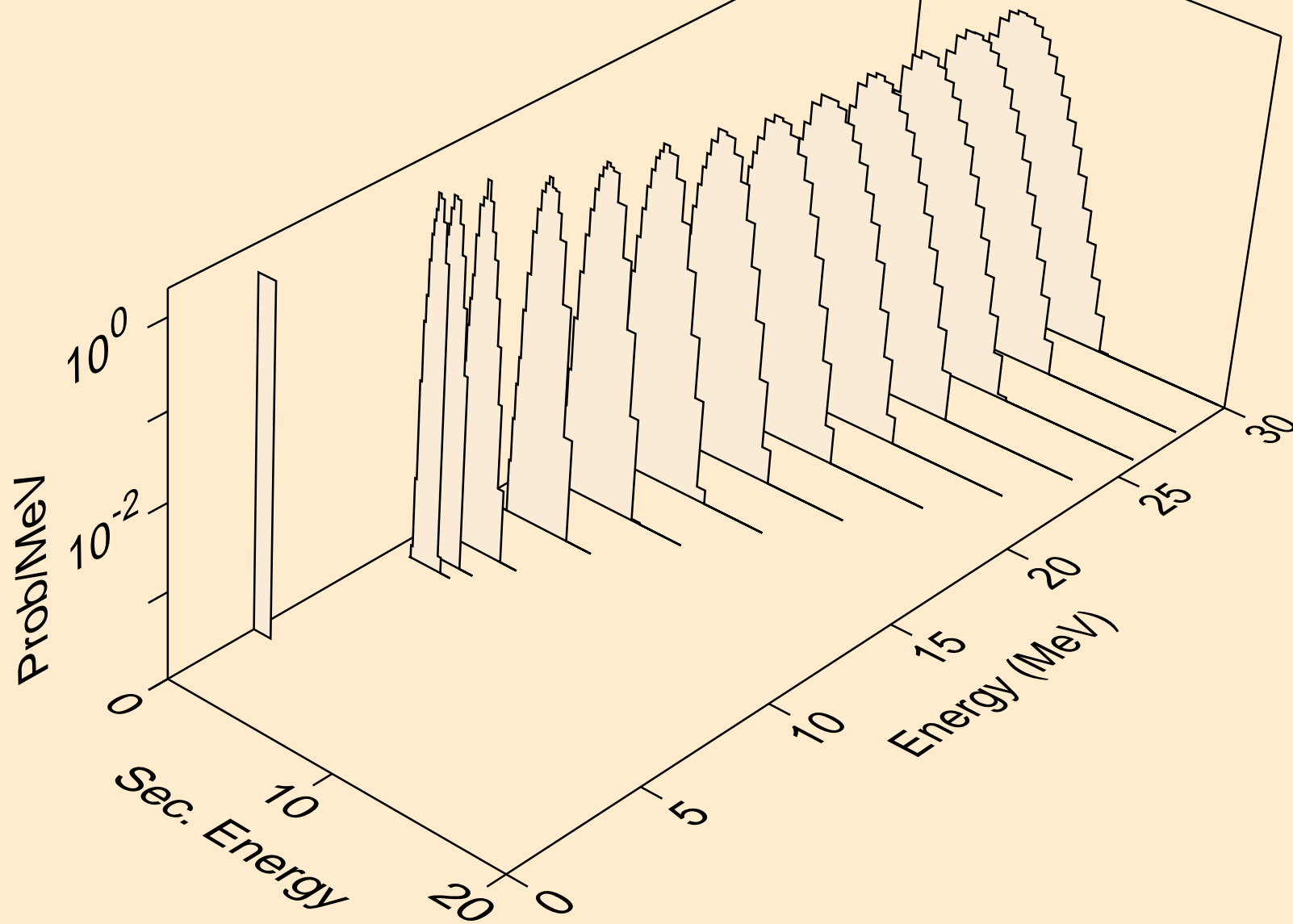
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protons from (n,p)



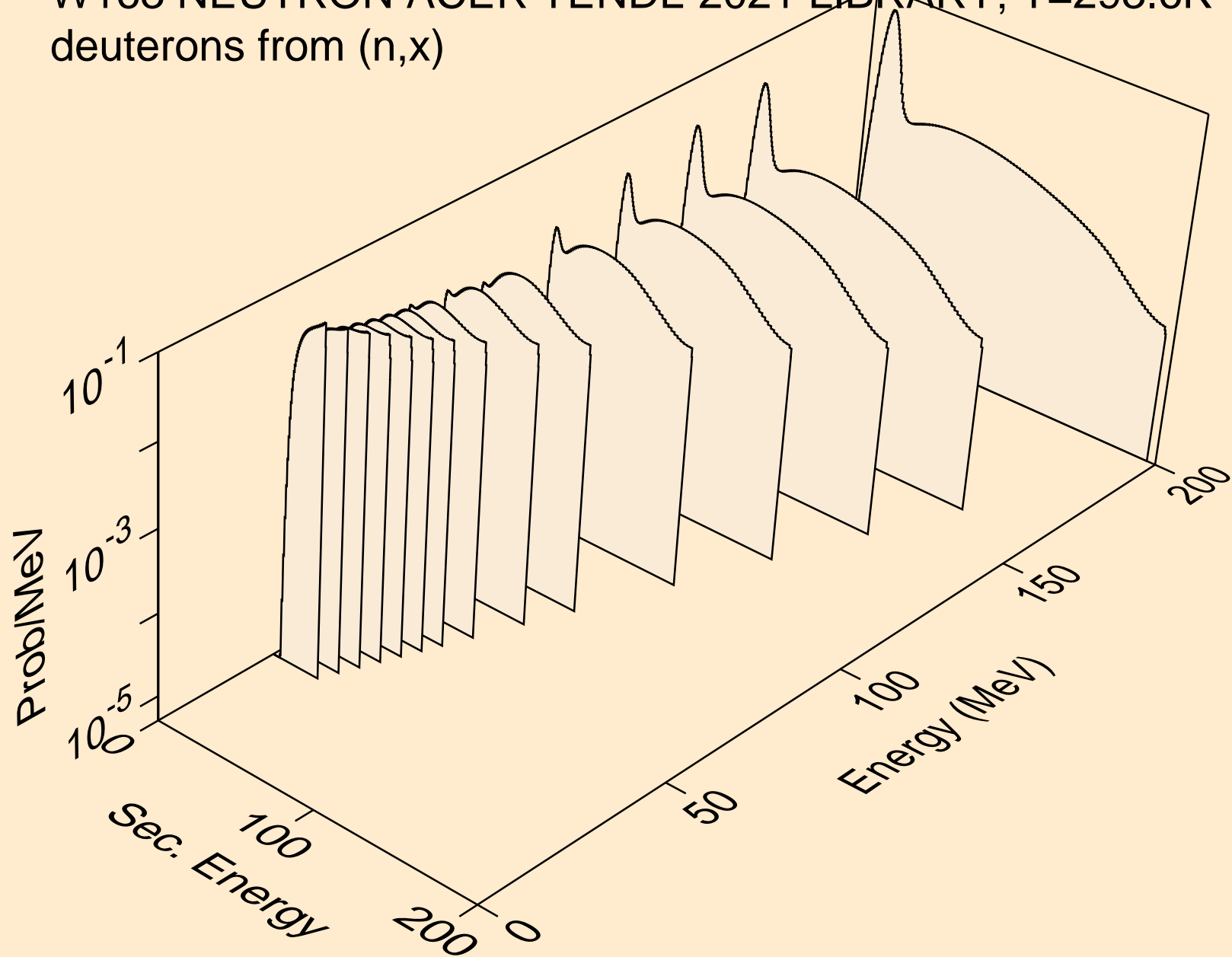
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pd)



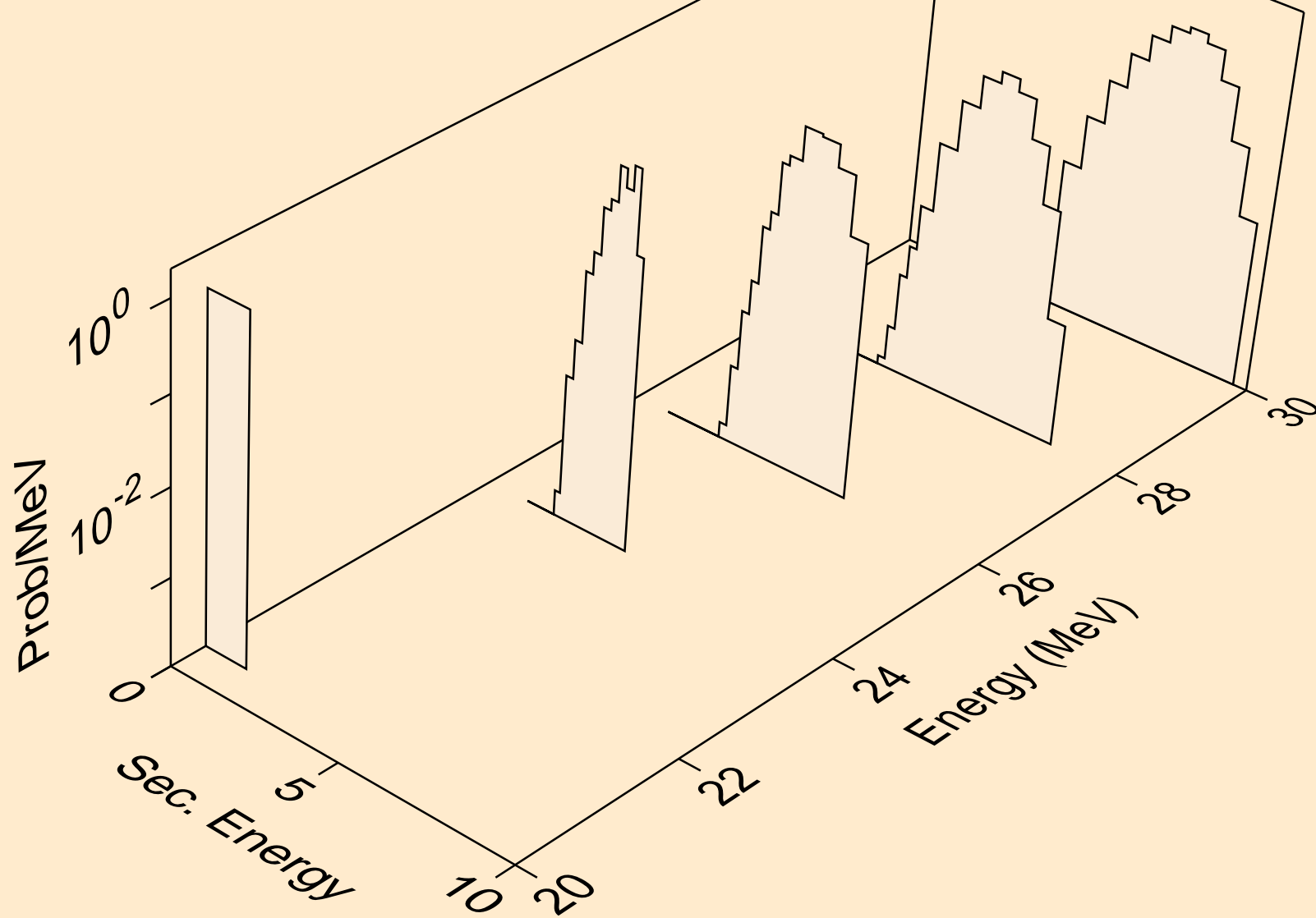
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pt)



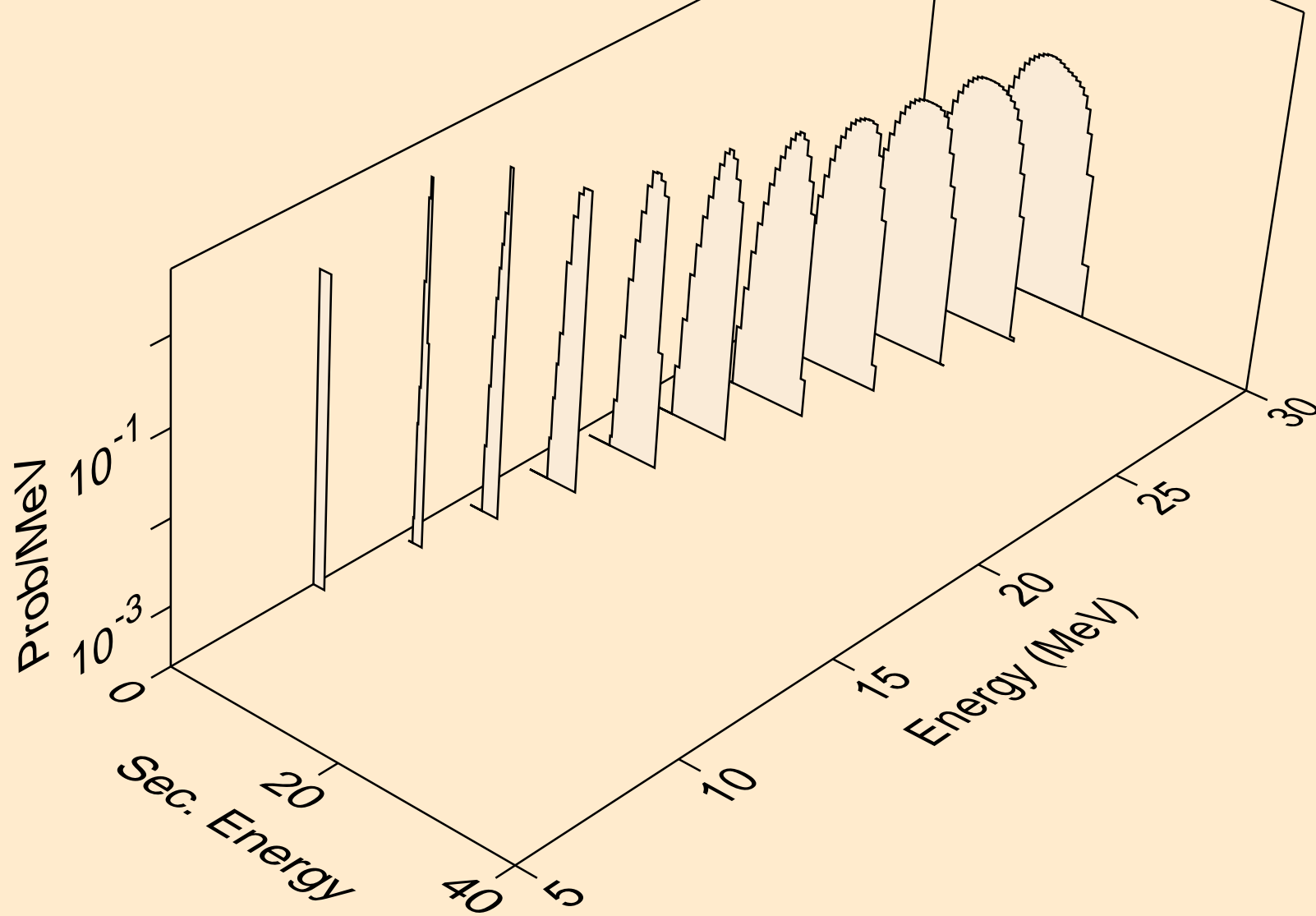
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,x)



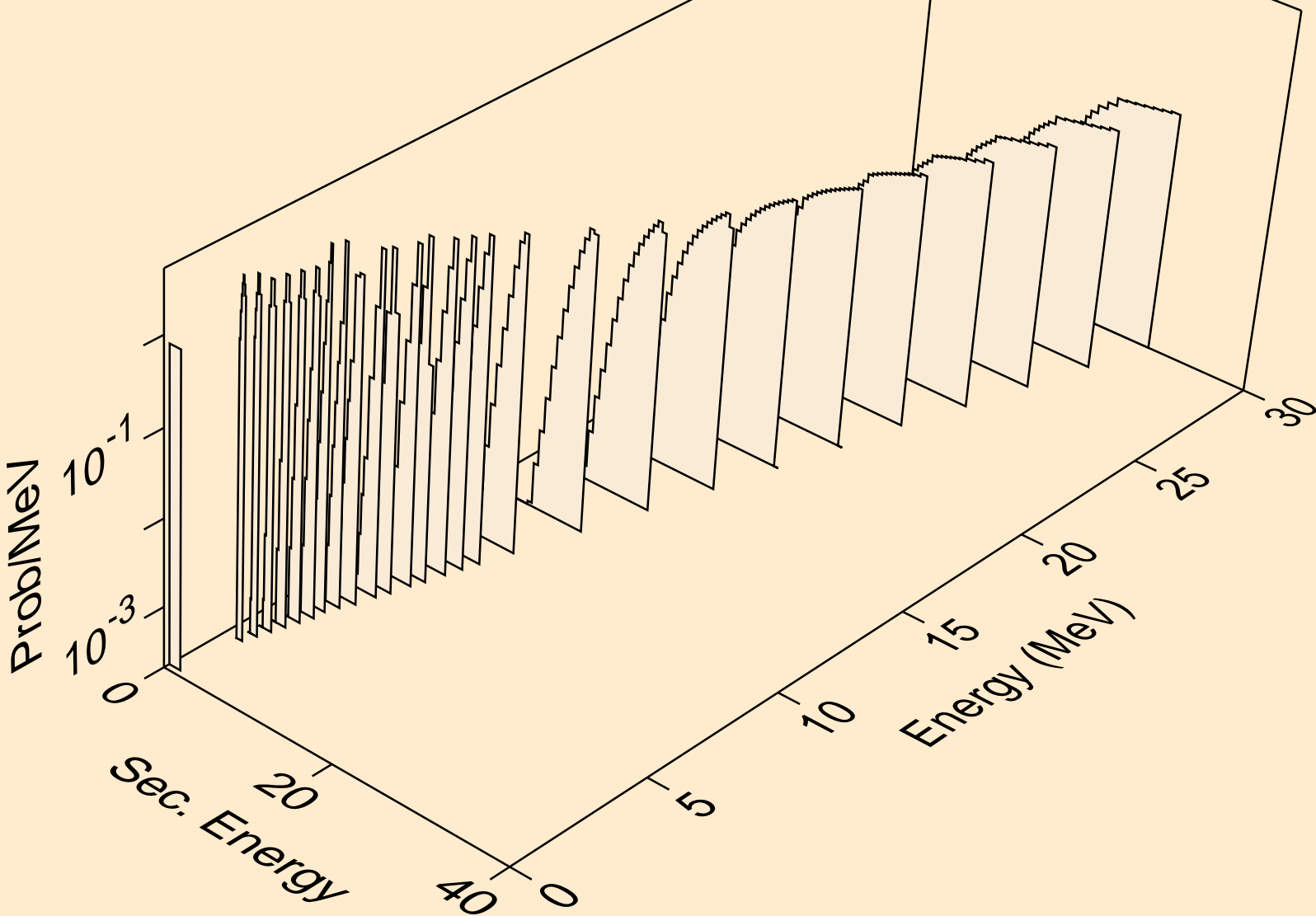
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deuterons from (n,2nd)



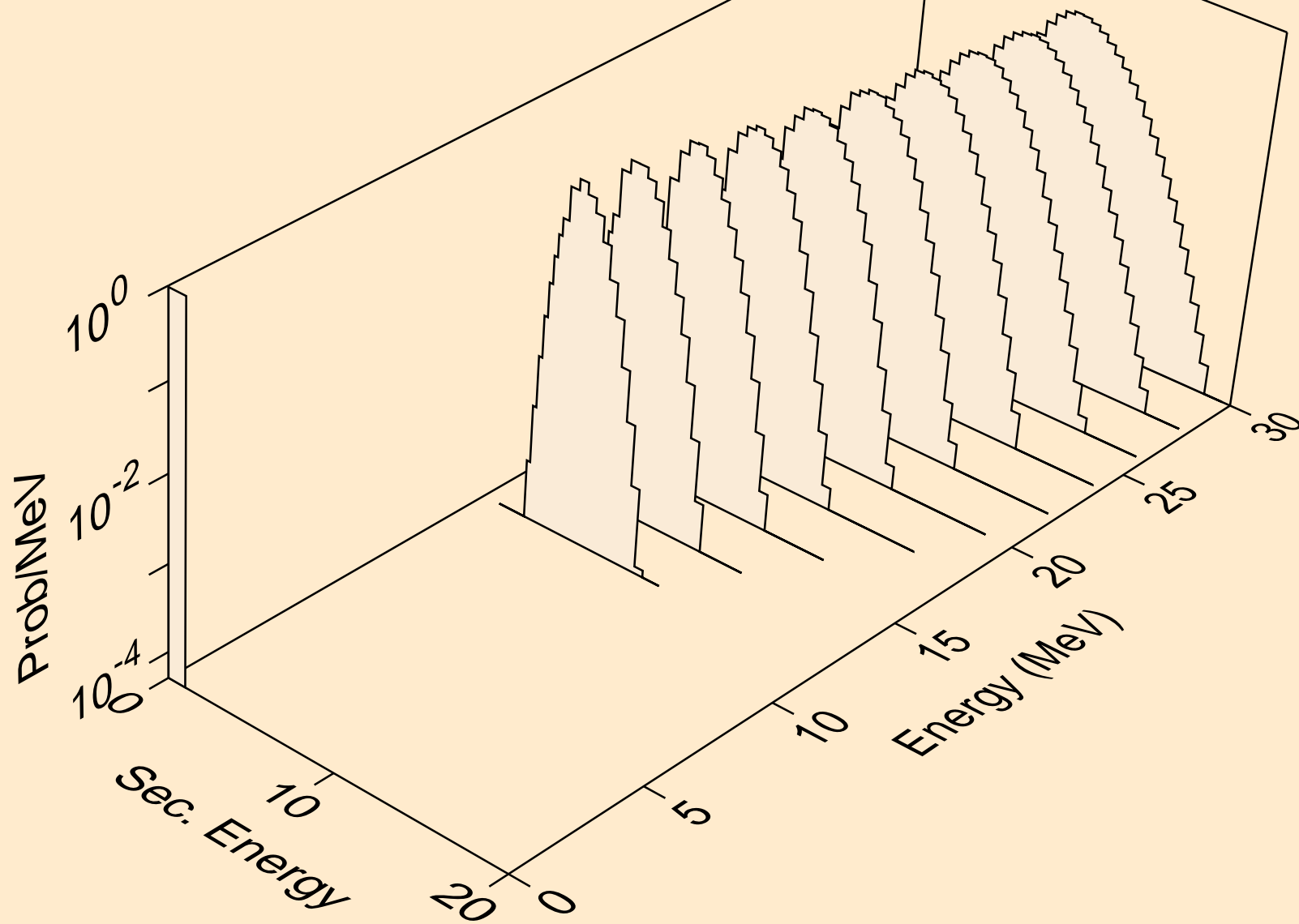
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,n*)d



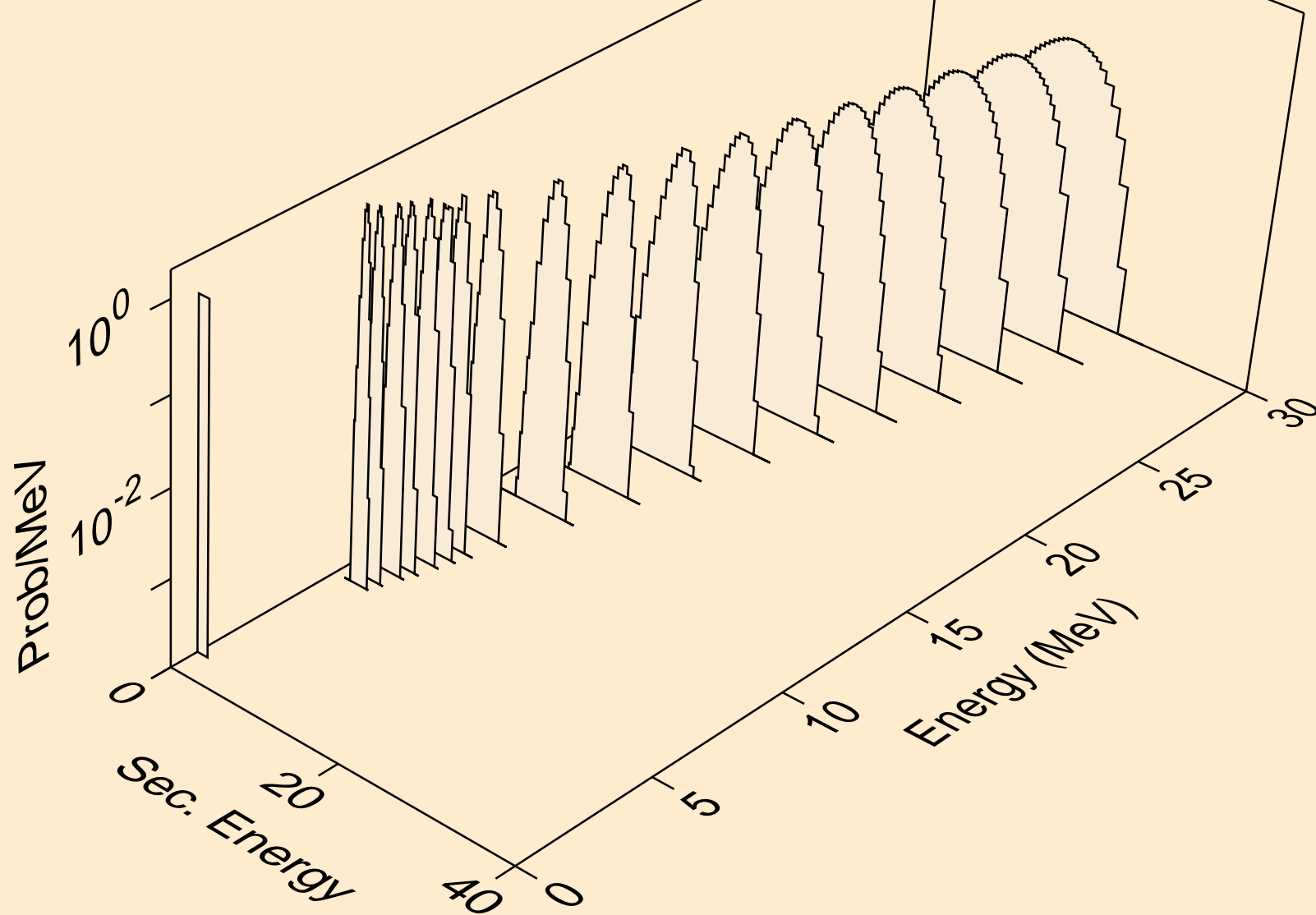
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deuterons from (n,d)



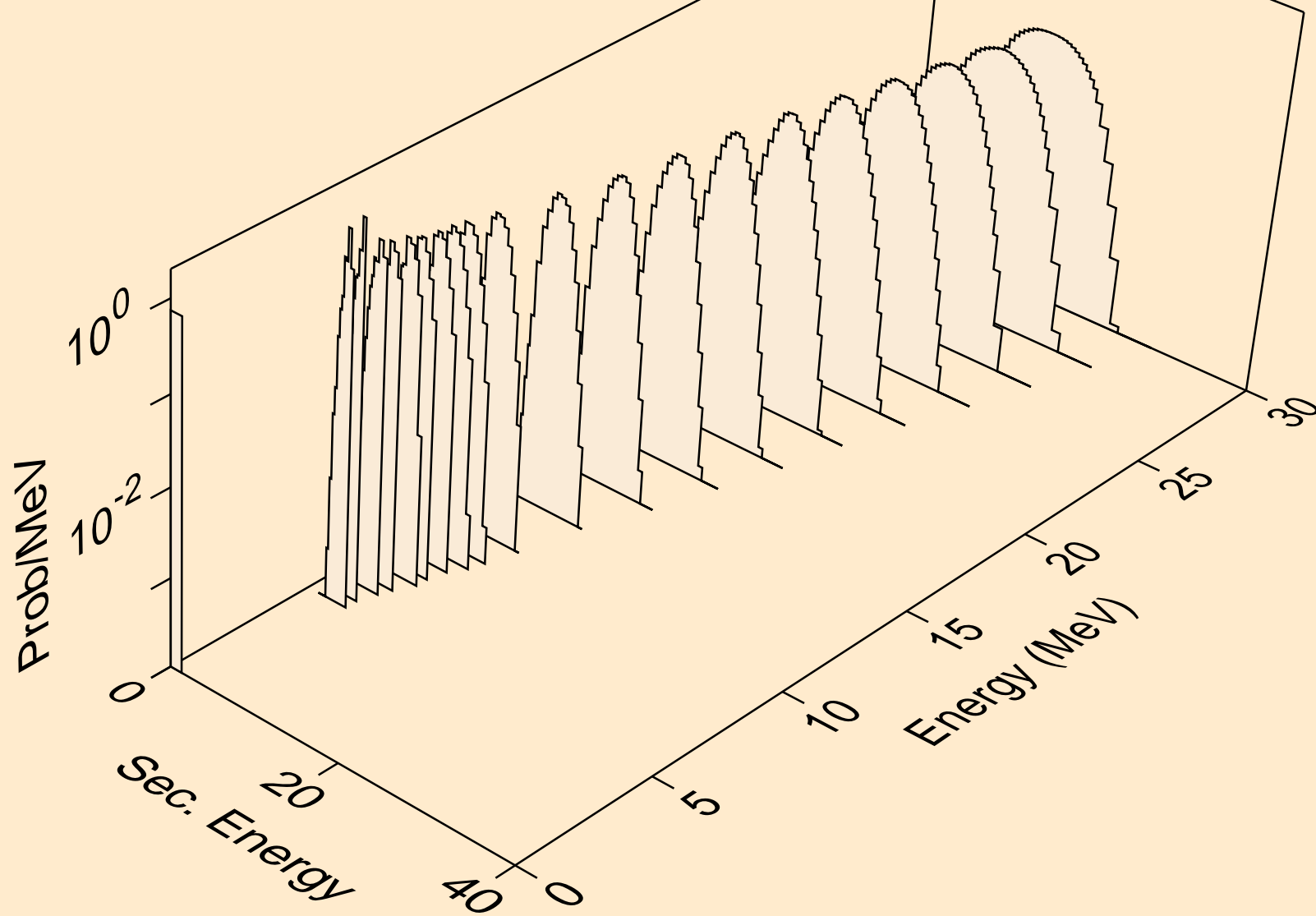
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deuterons from (n,d2a)



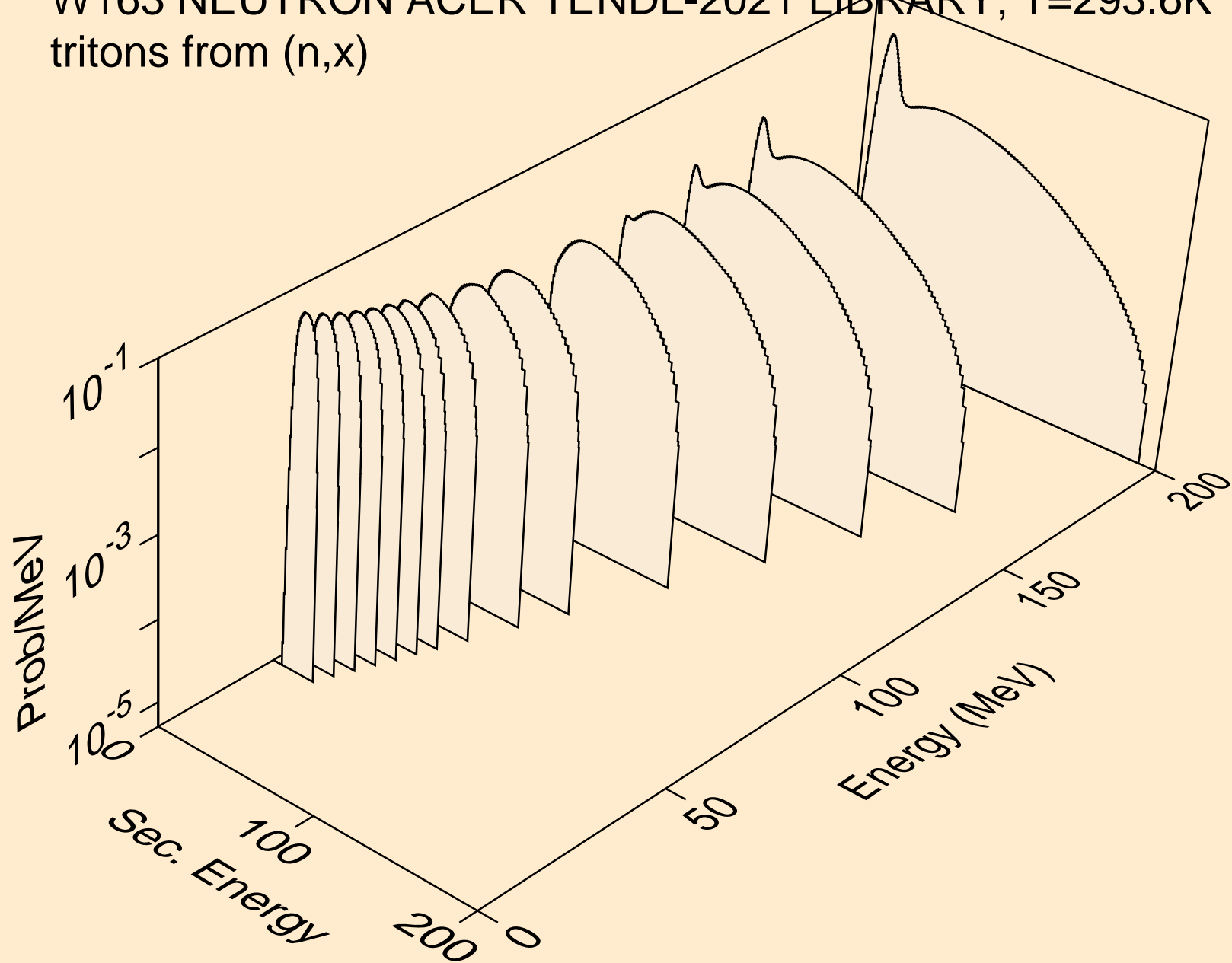
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deuterons from (n,pd)



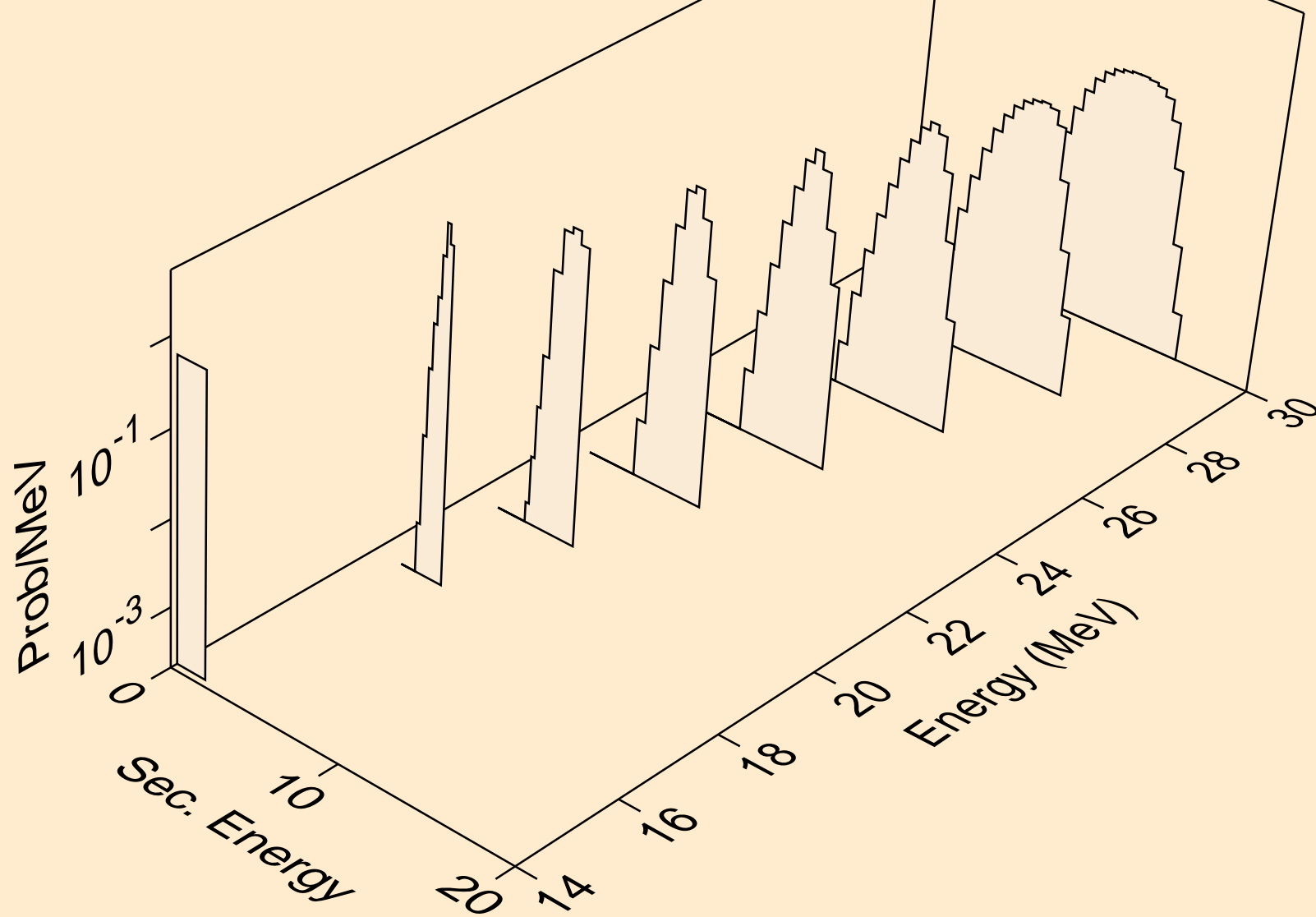
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deuterons from (n,da)



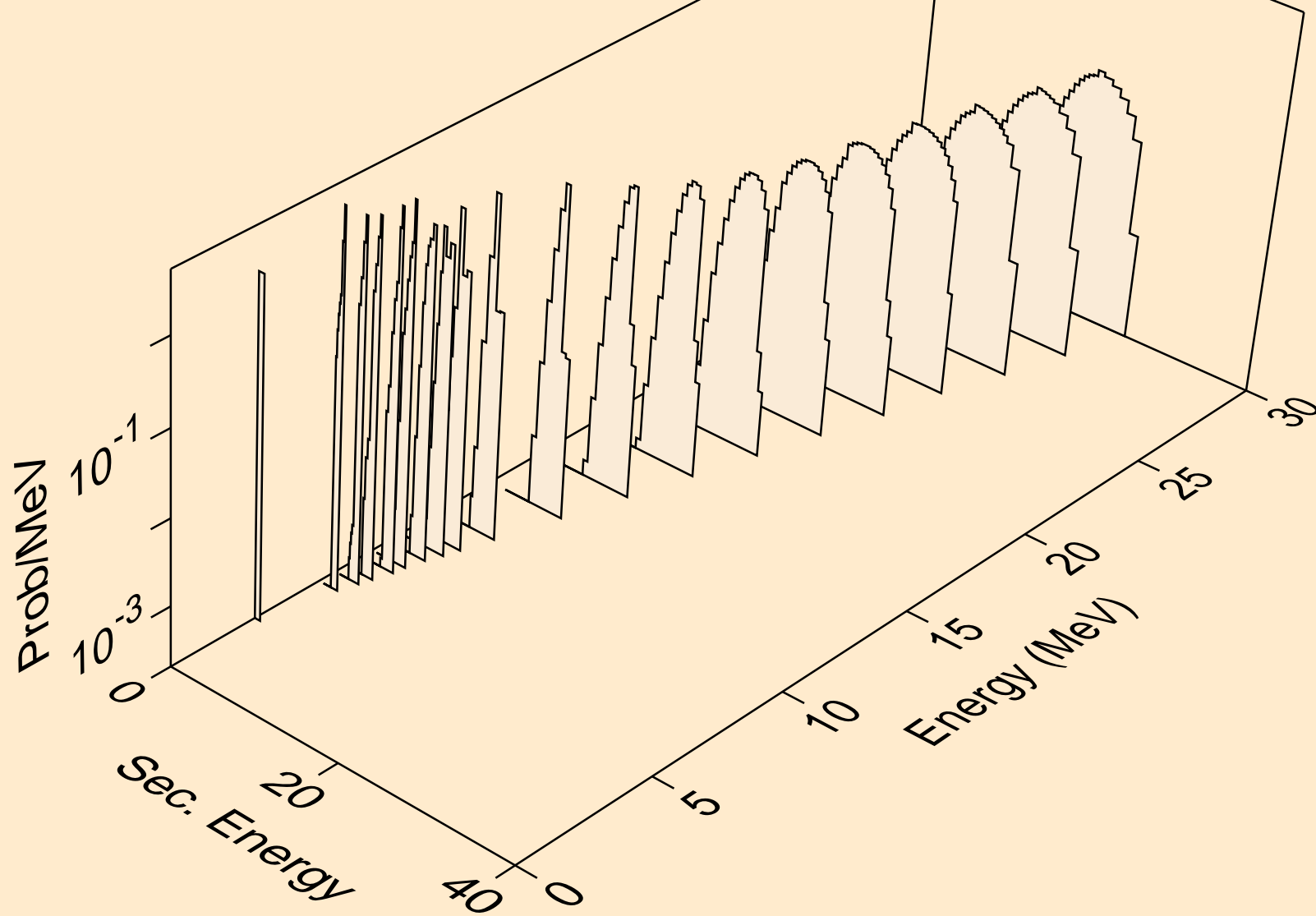
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,x)



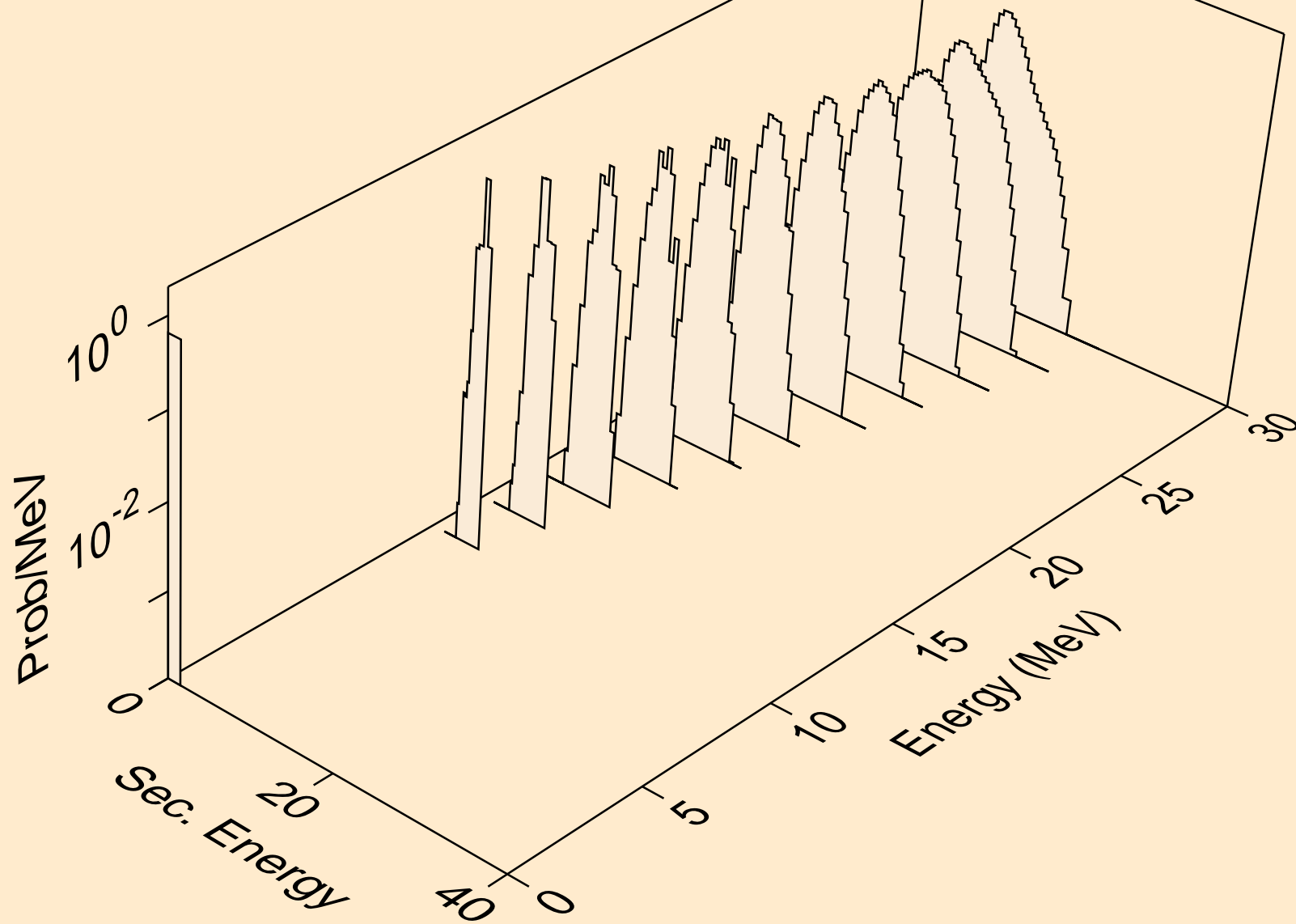
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,n*)t



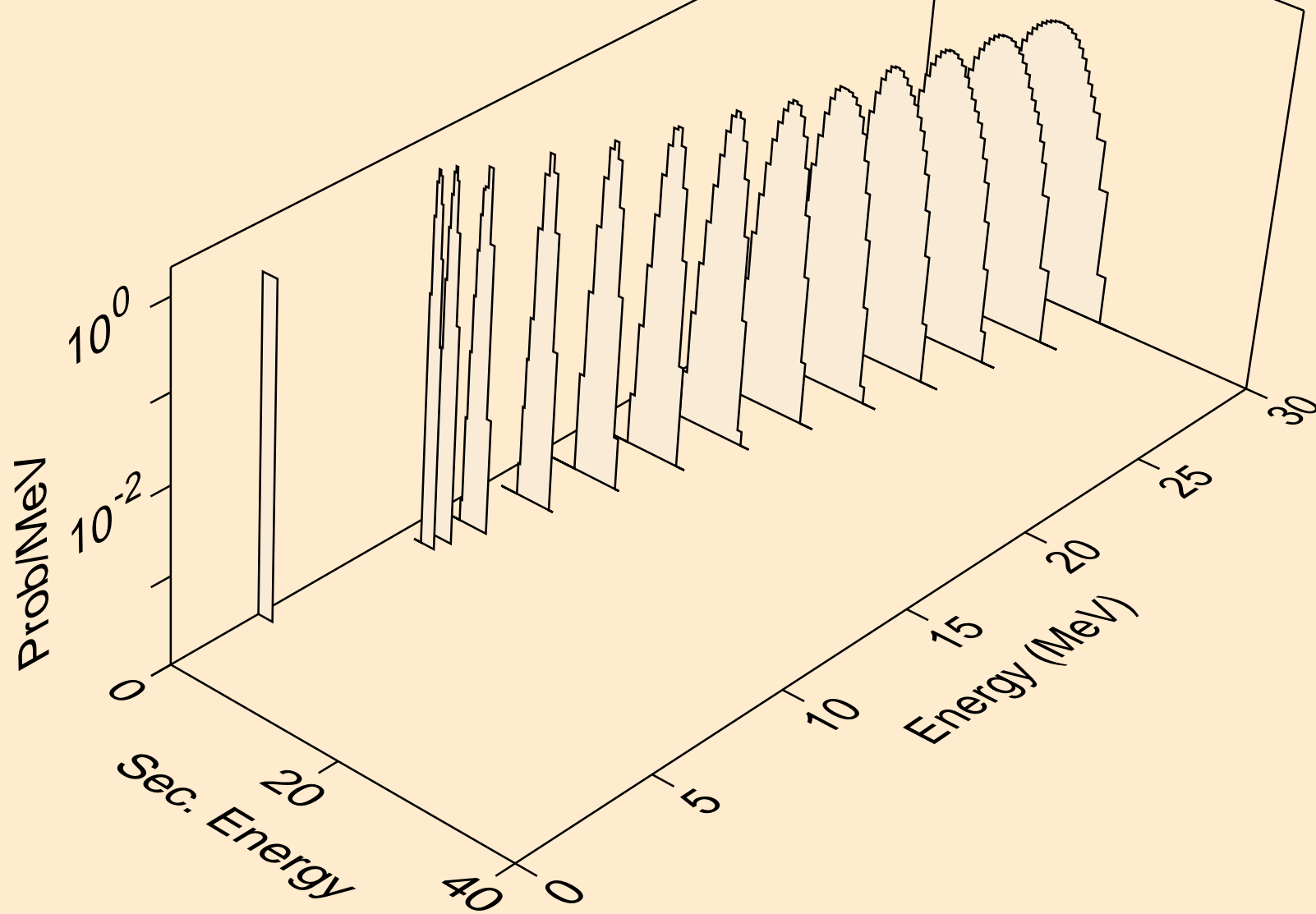
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,t)



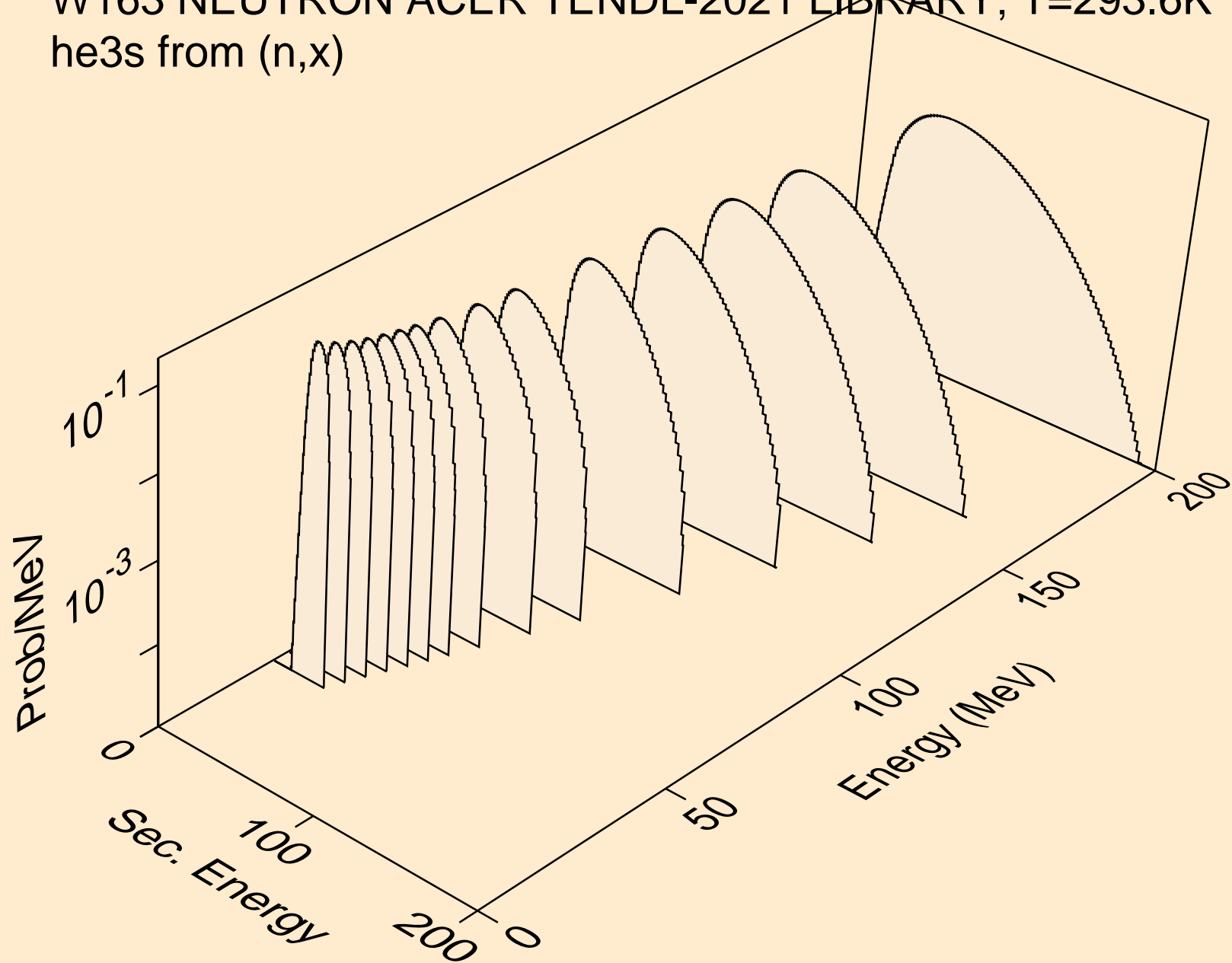
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,t2a)



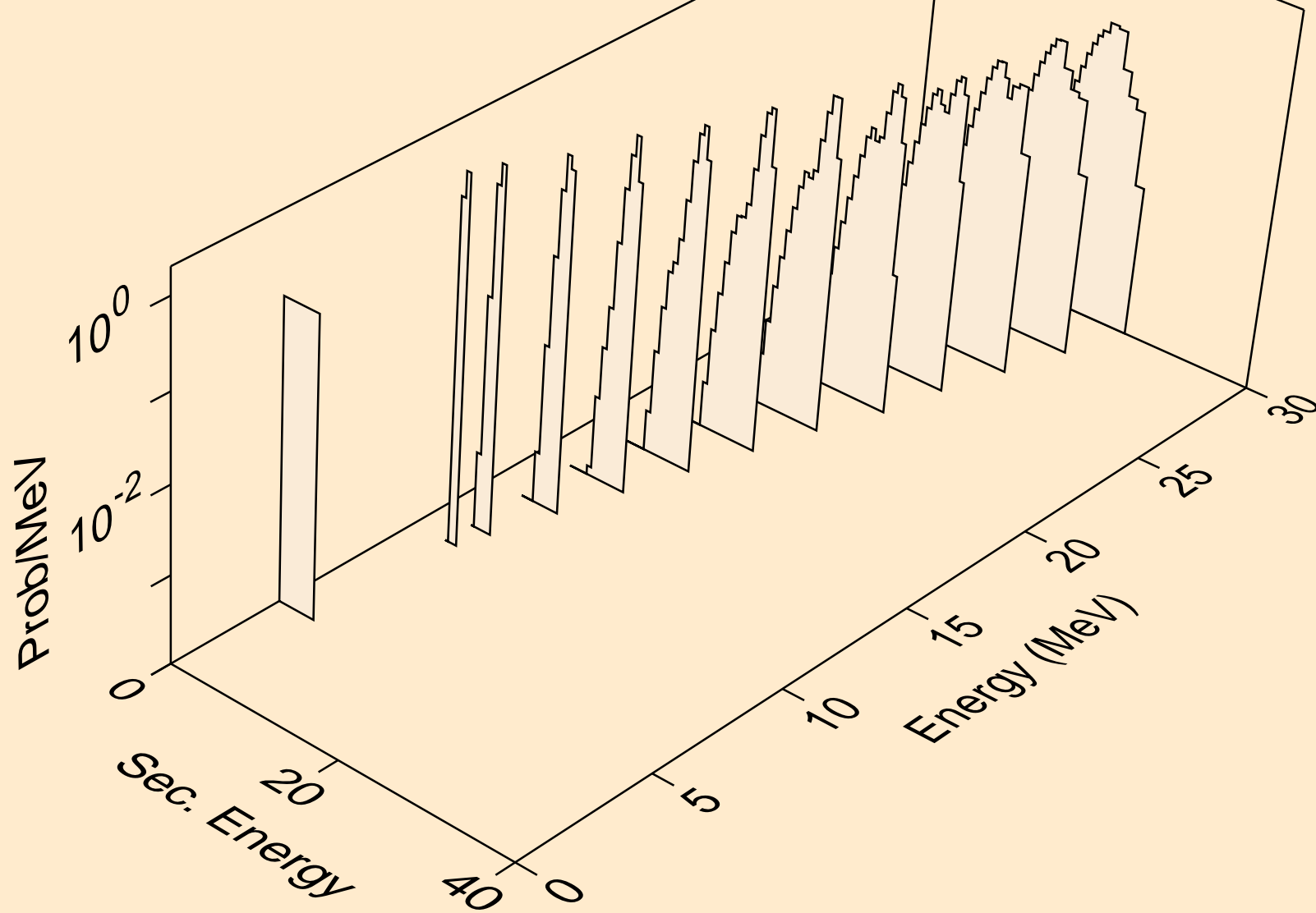
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
tritons from (n,pt)



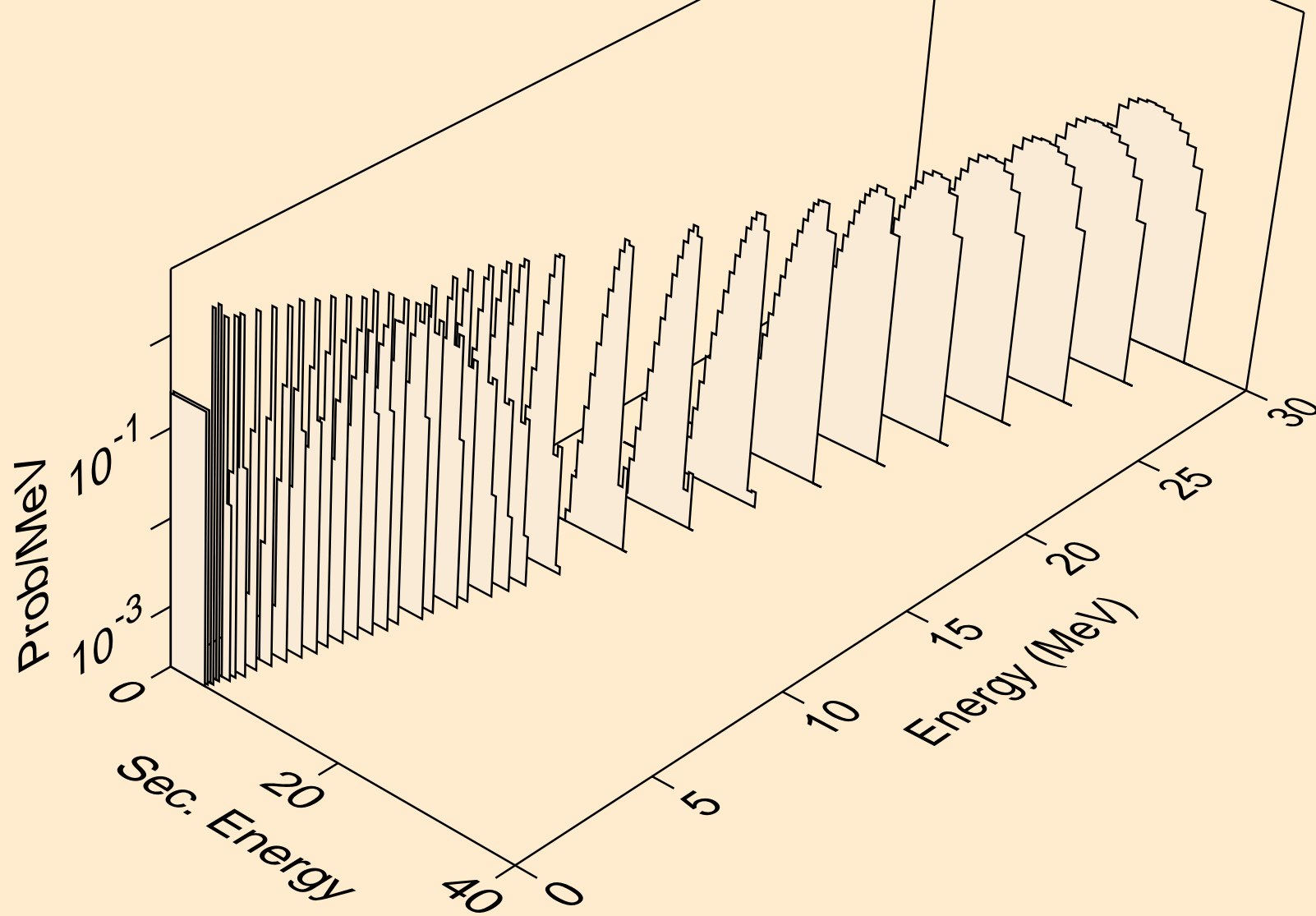
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,x)



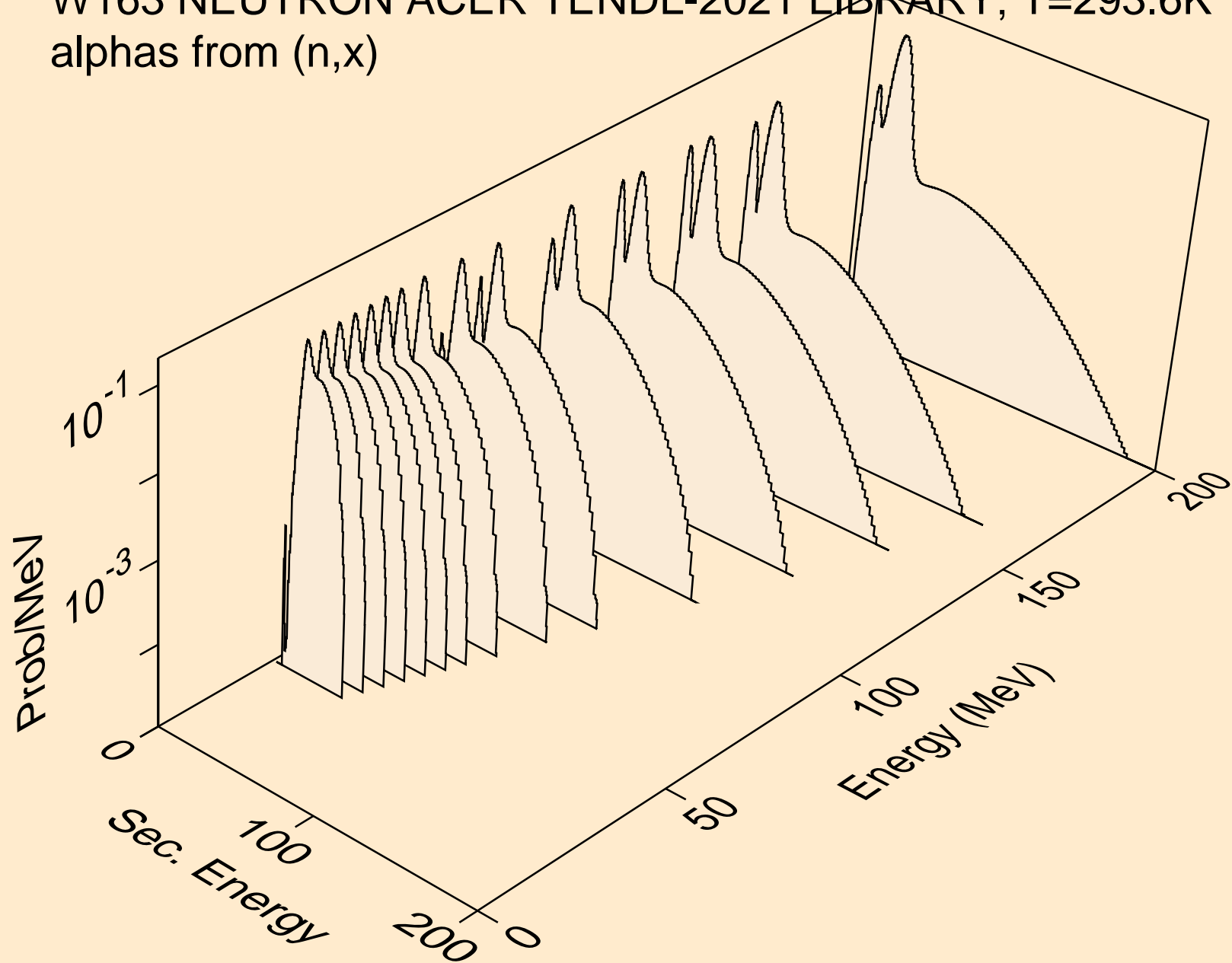
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,n*)he3



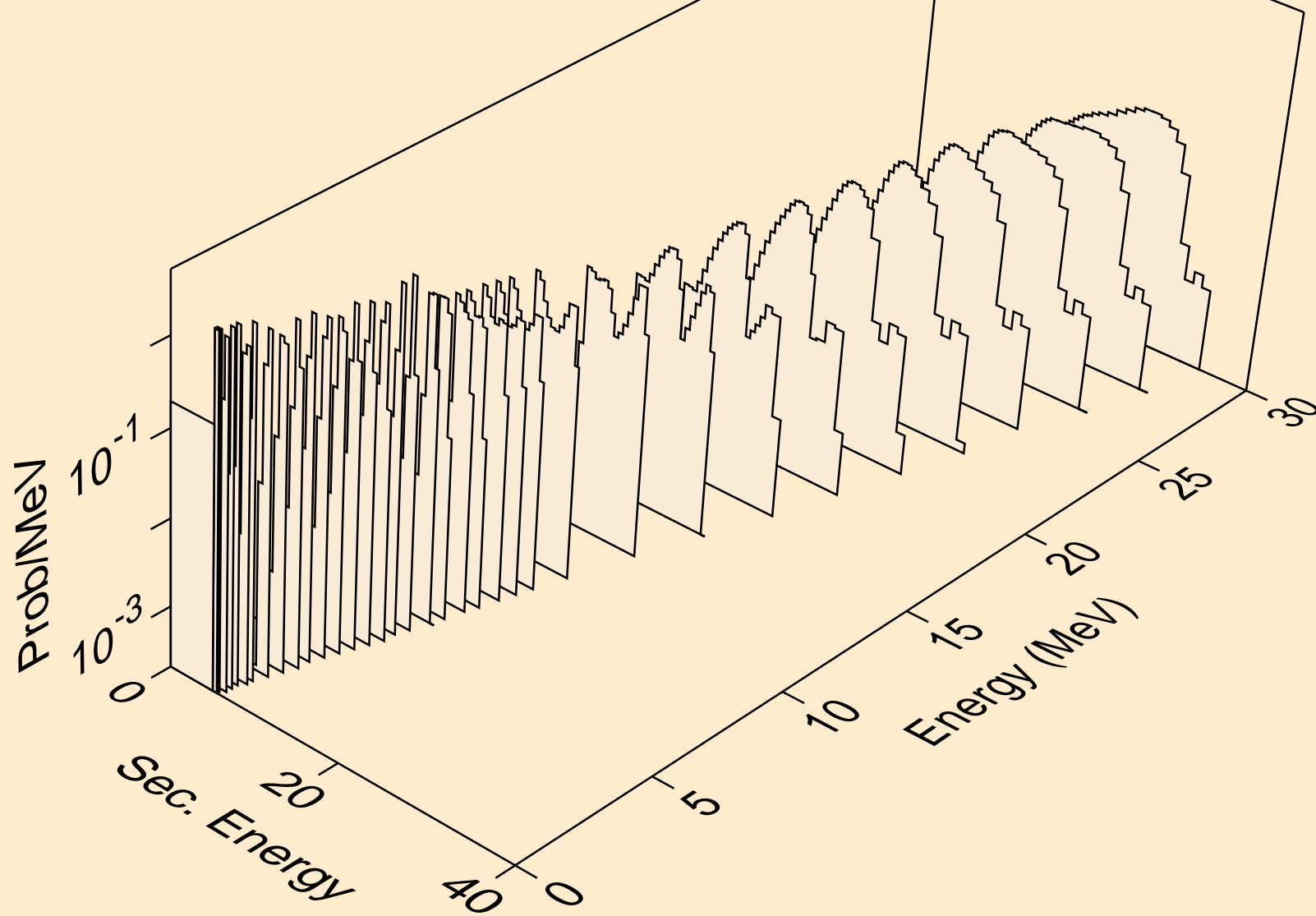
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
he3s from (n,he3)



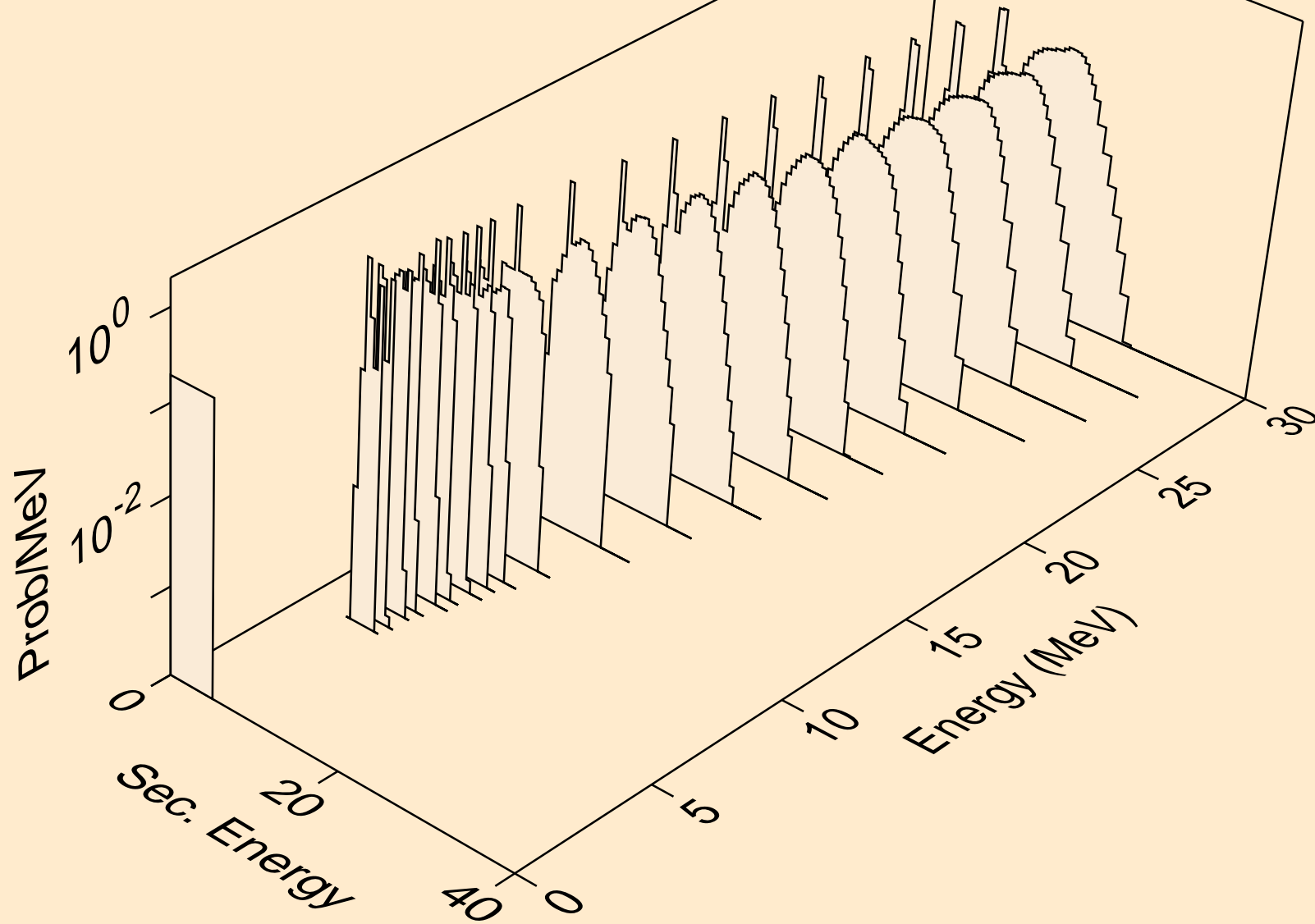
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,x)



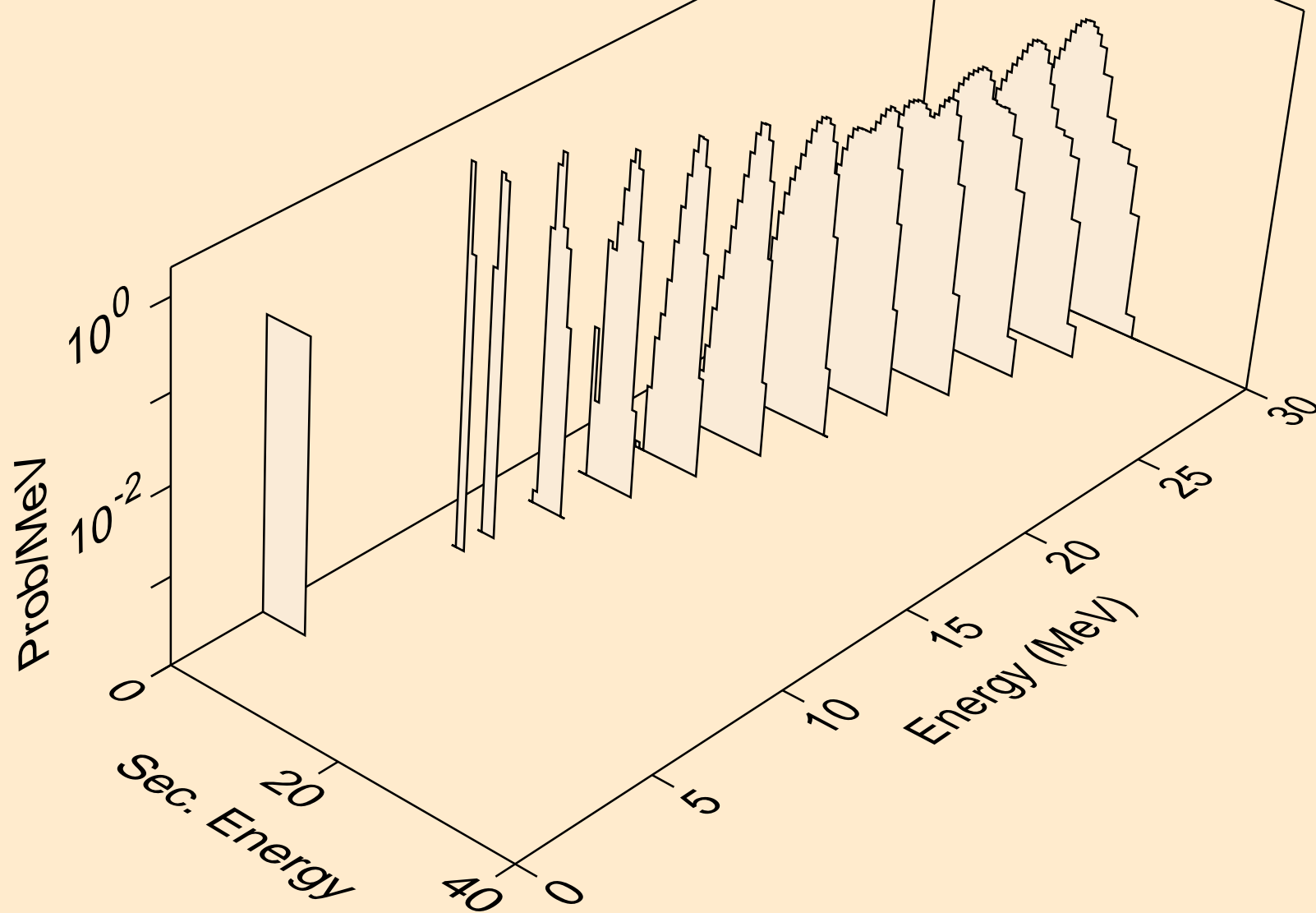
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)a



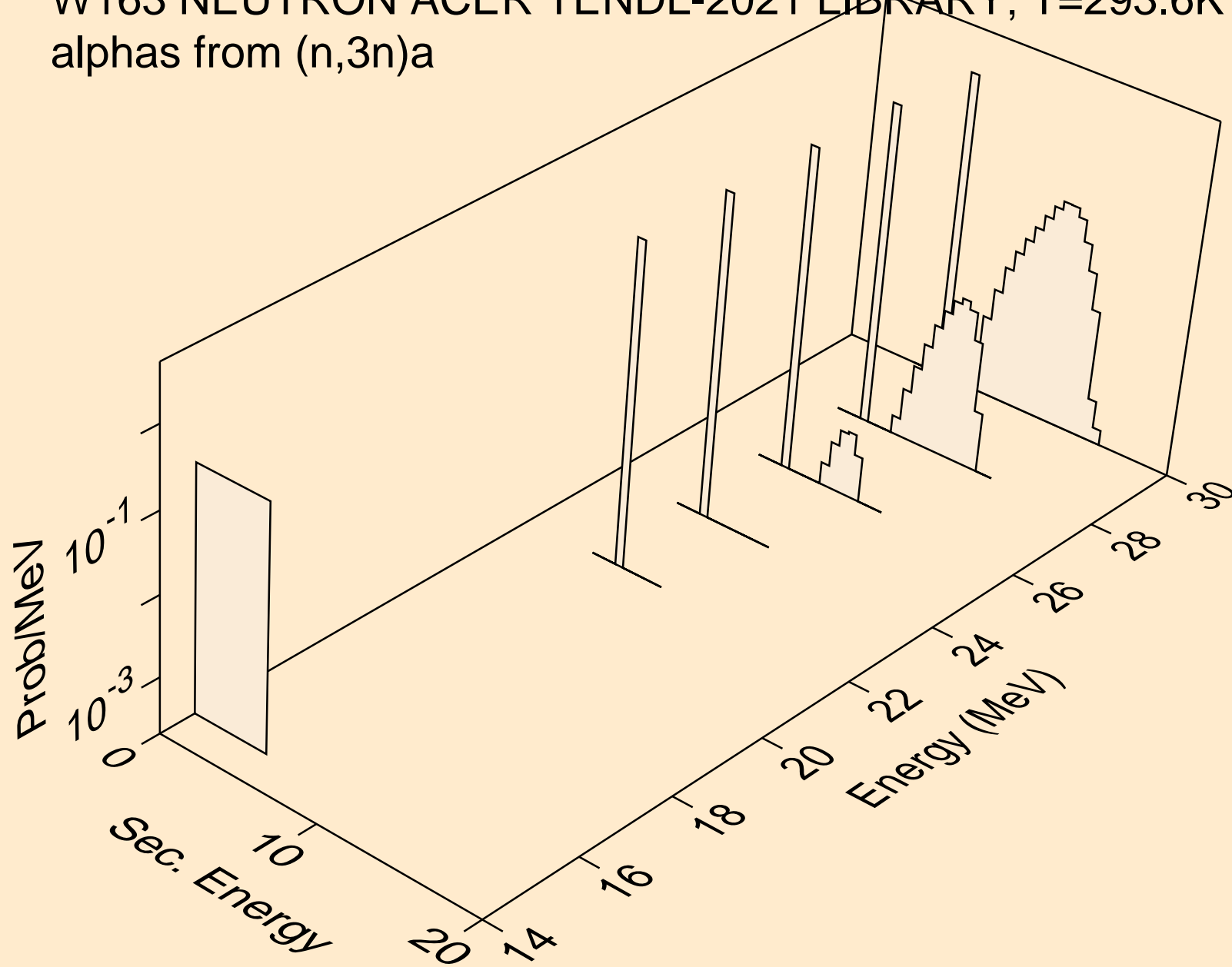
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alphas from (n,n*)3a



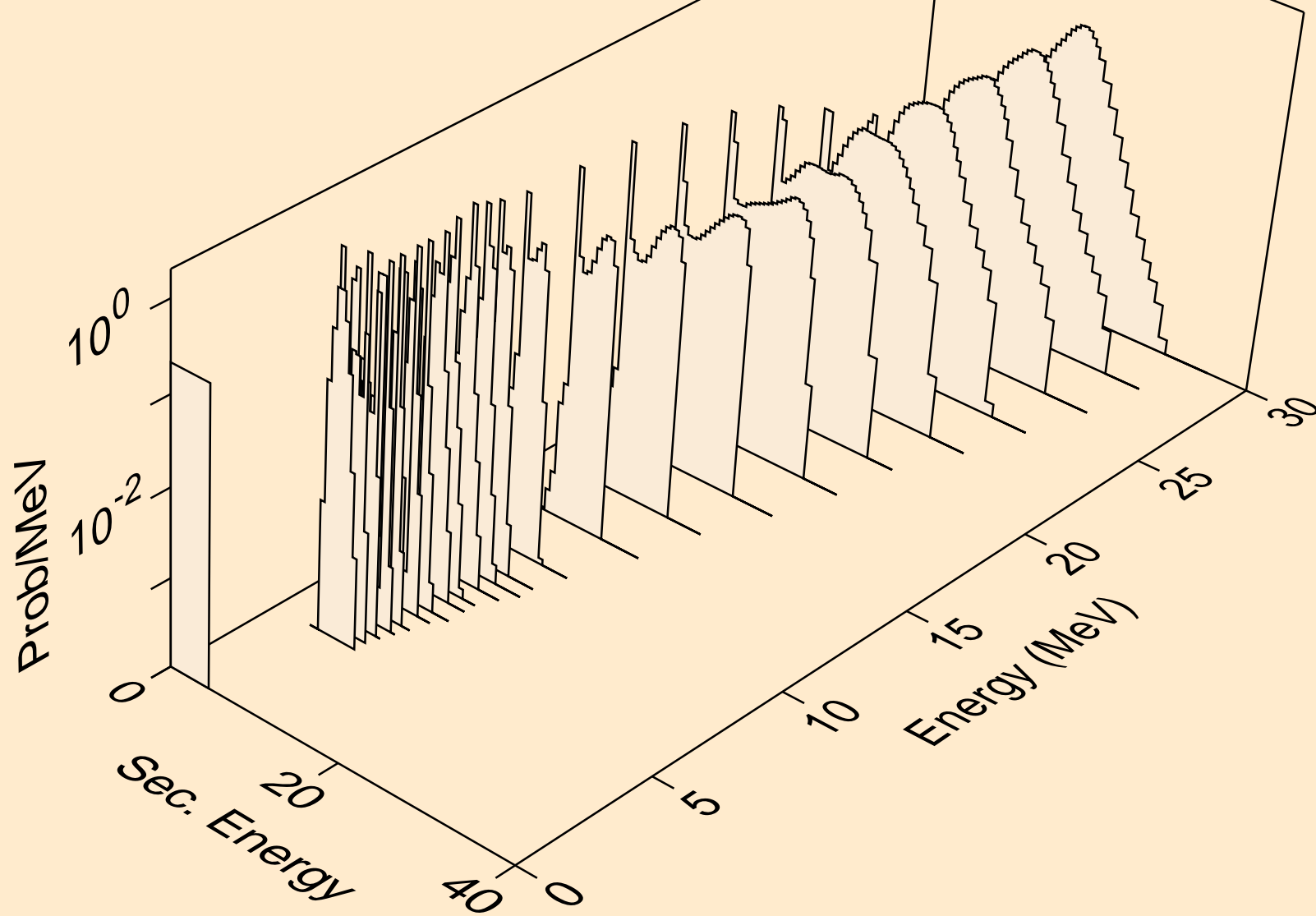
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2n)a



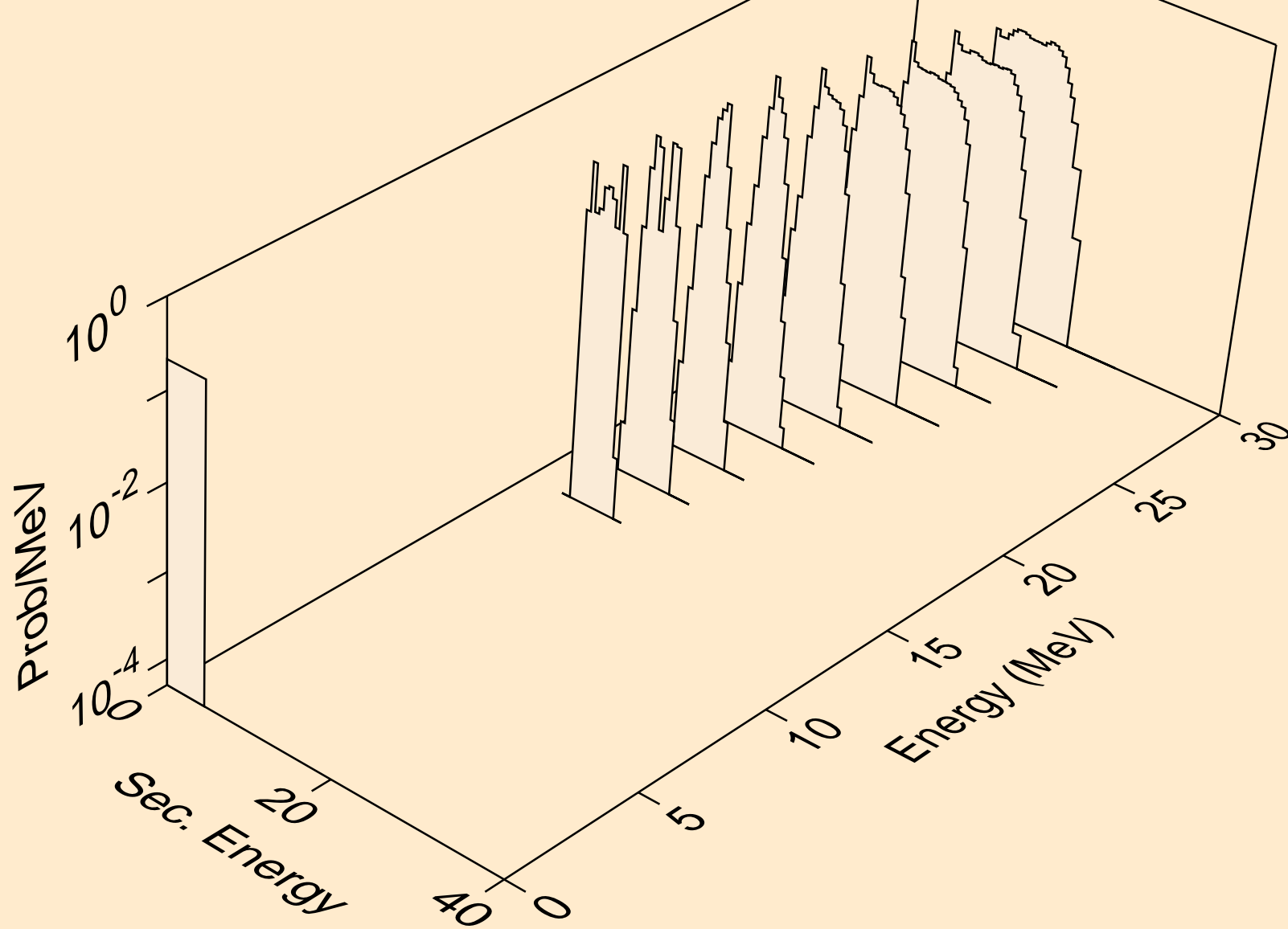
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alphas from (n,3n)a



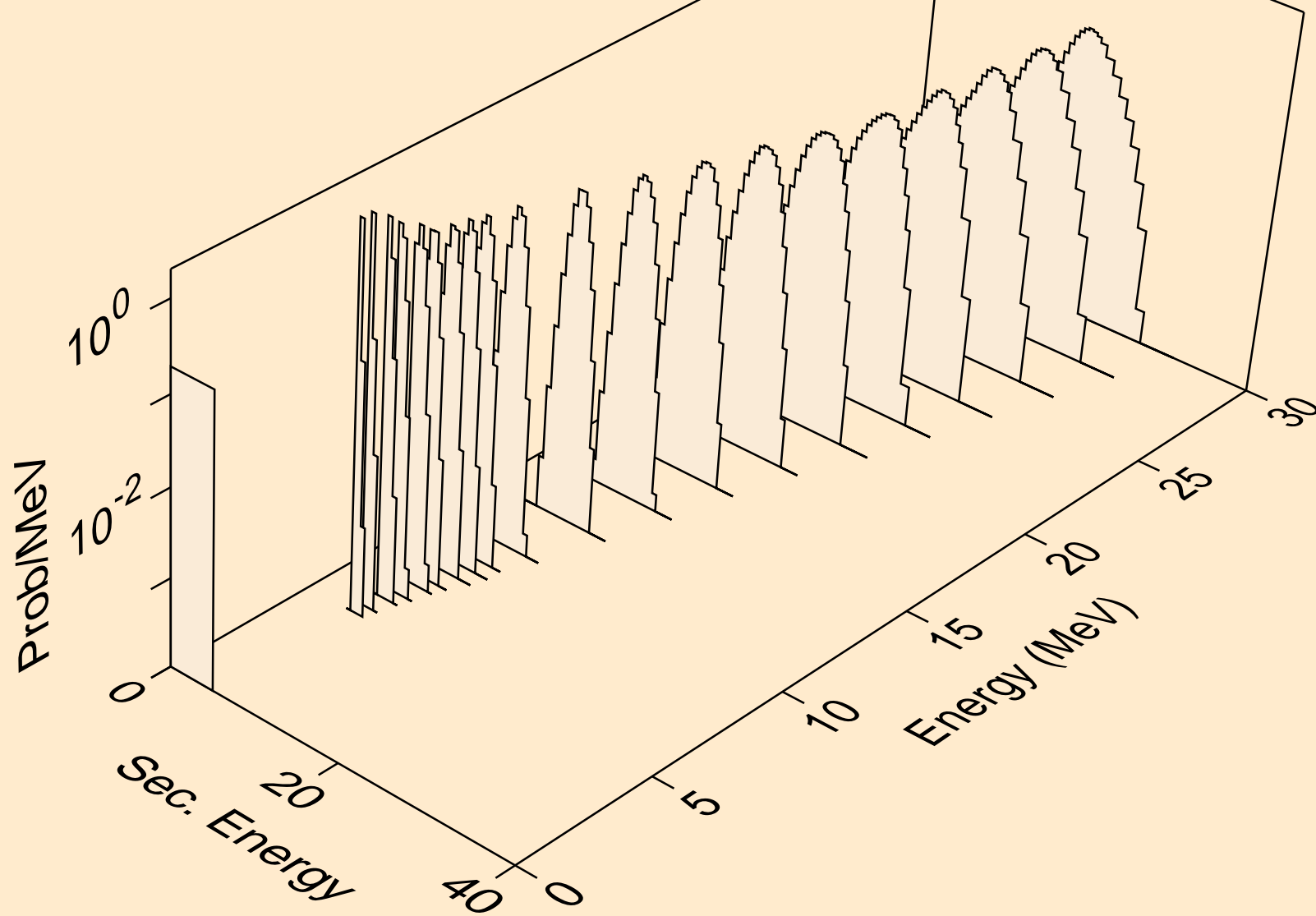
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alphas from (n,n*)2a



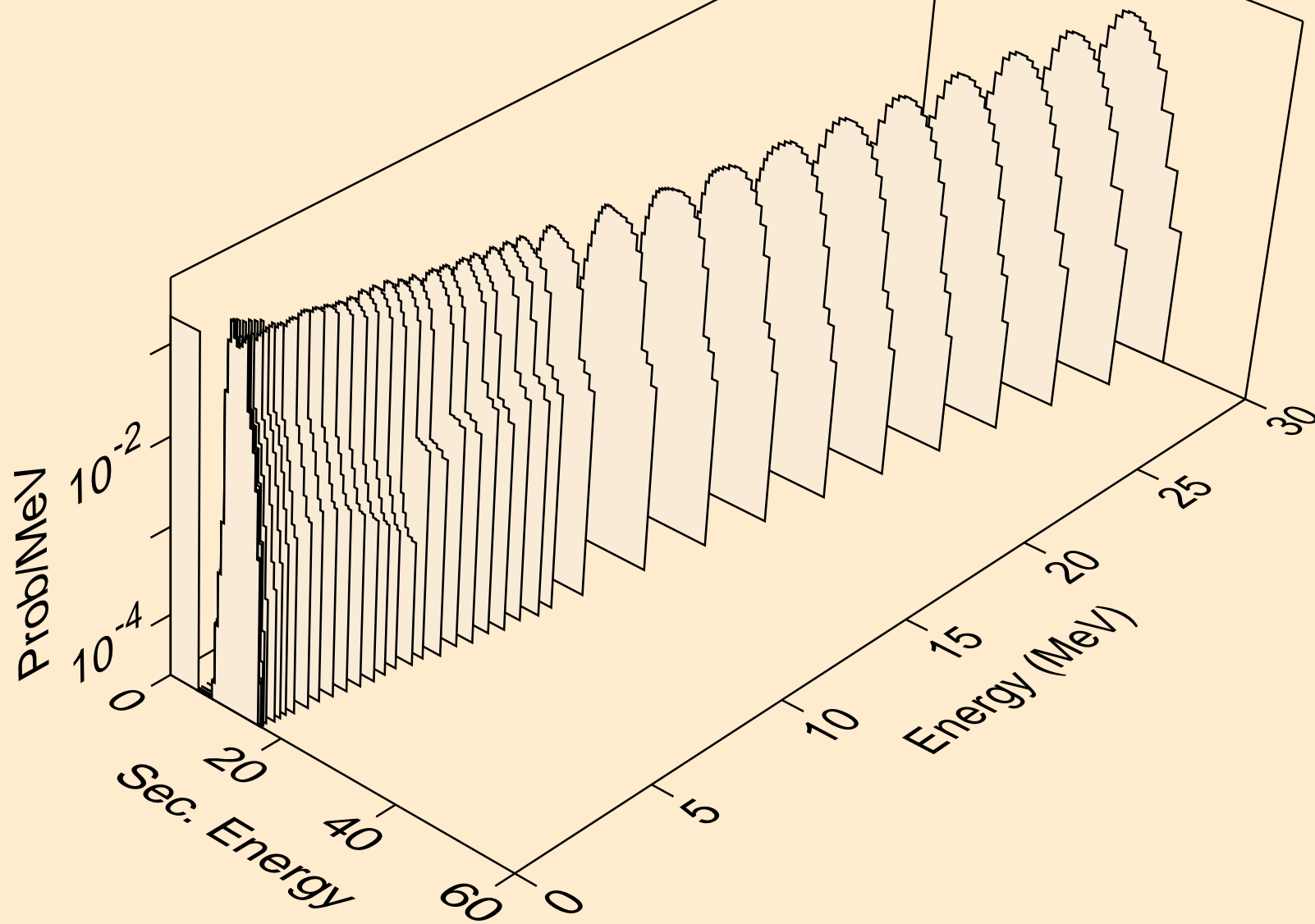
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alphas from (n,2n)2a



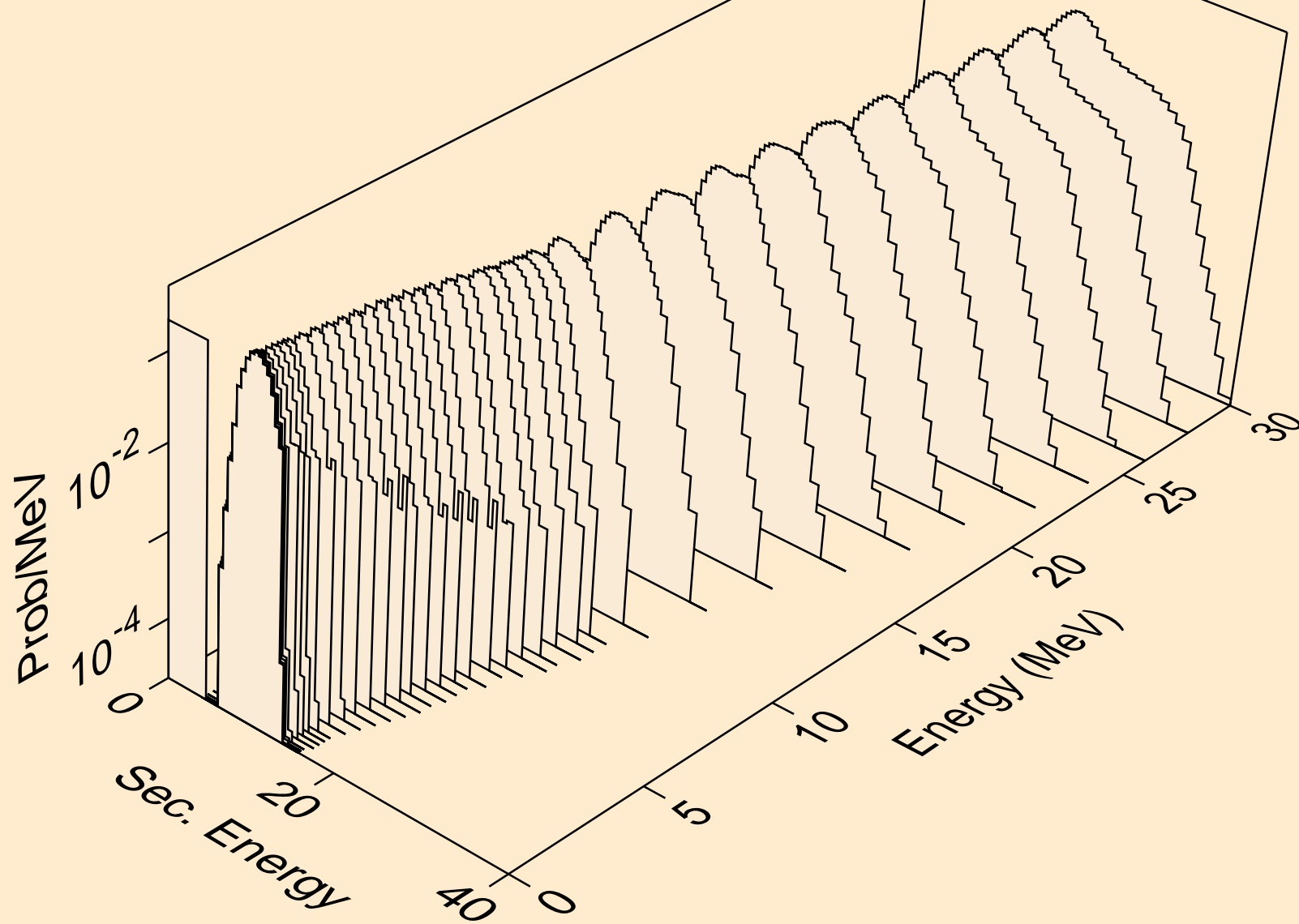
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,npa)



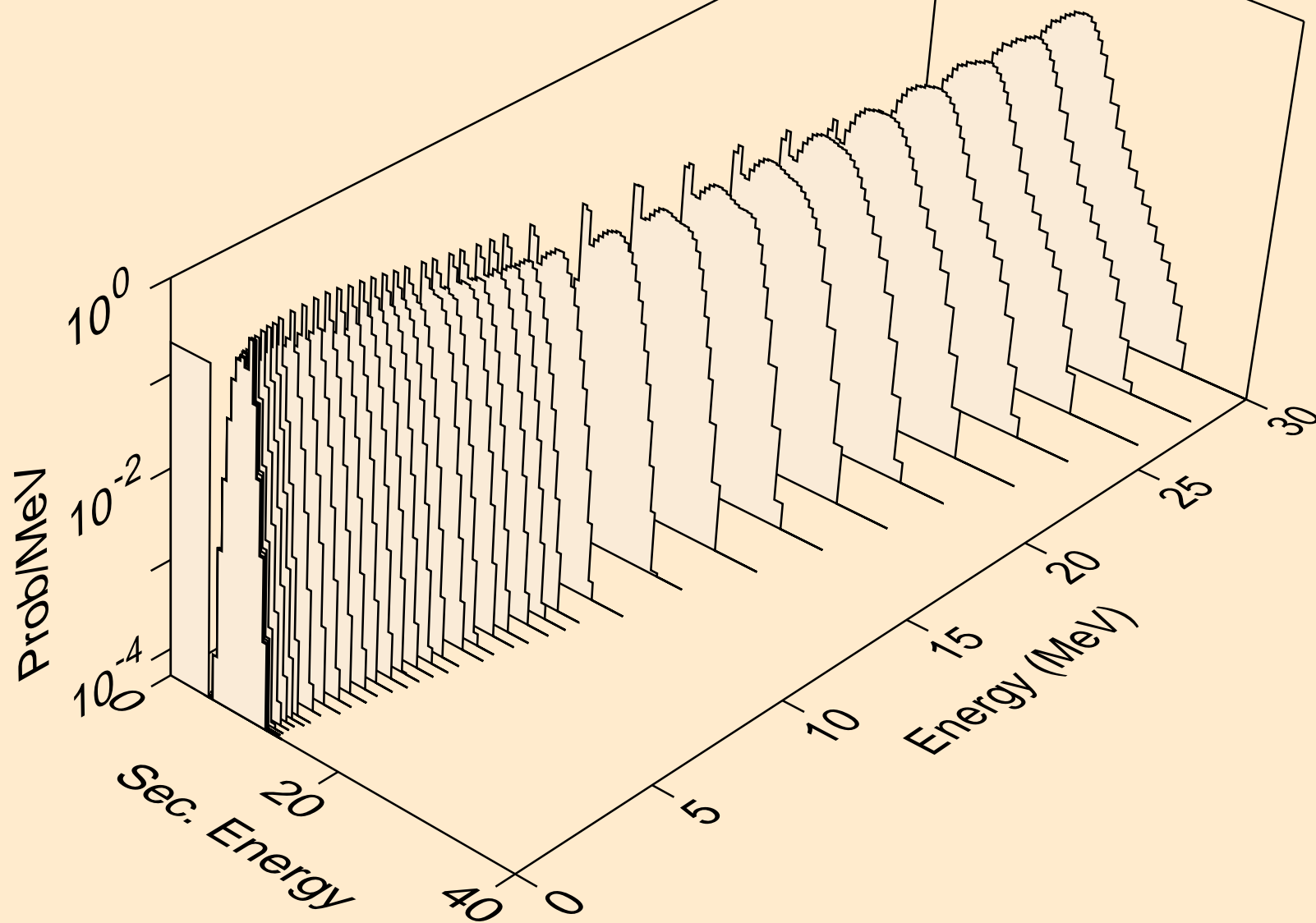
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alphas from (n,a)



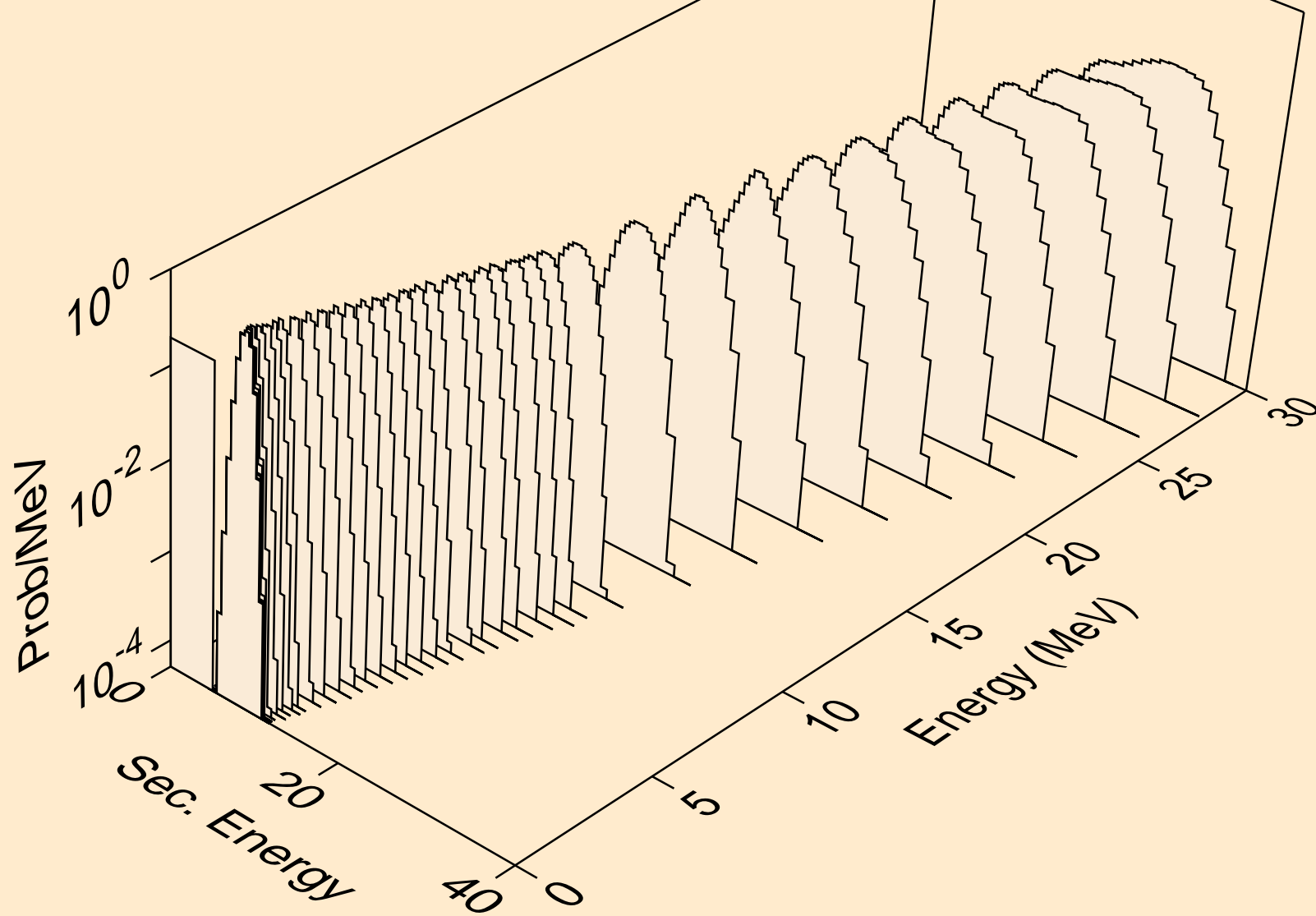
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2a)



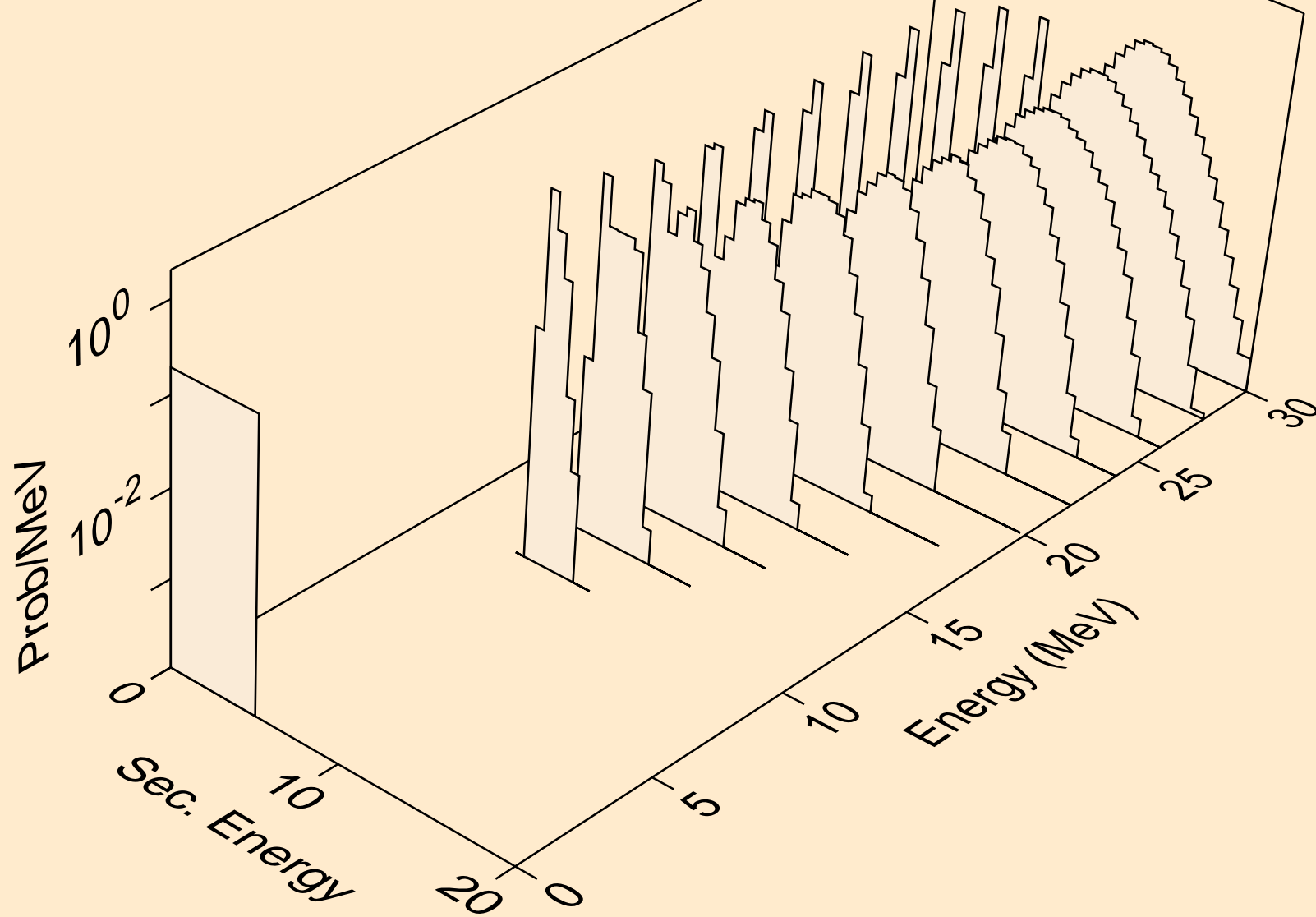
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,3a)



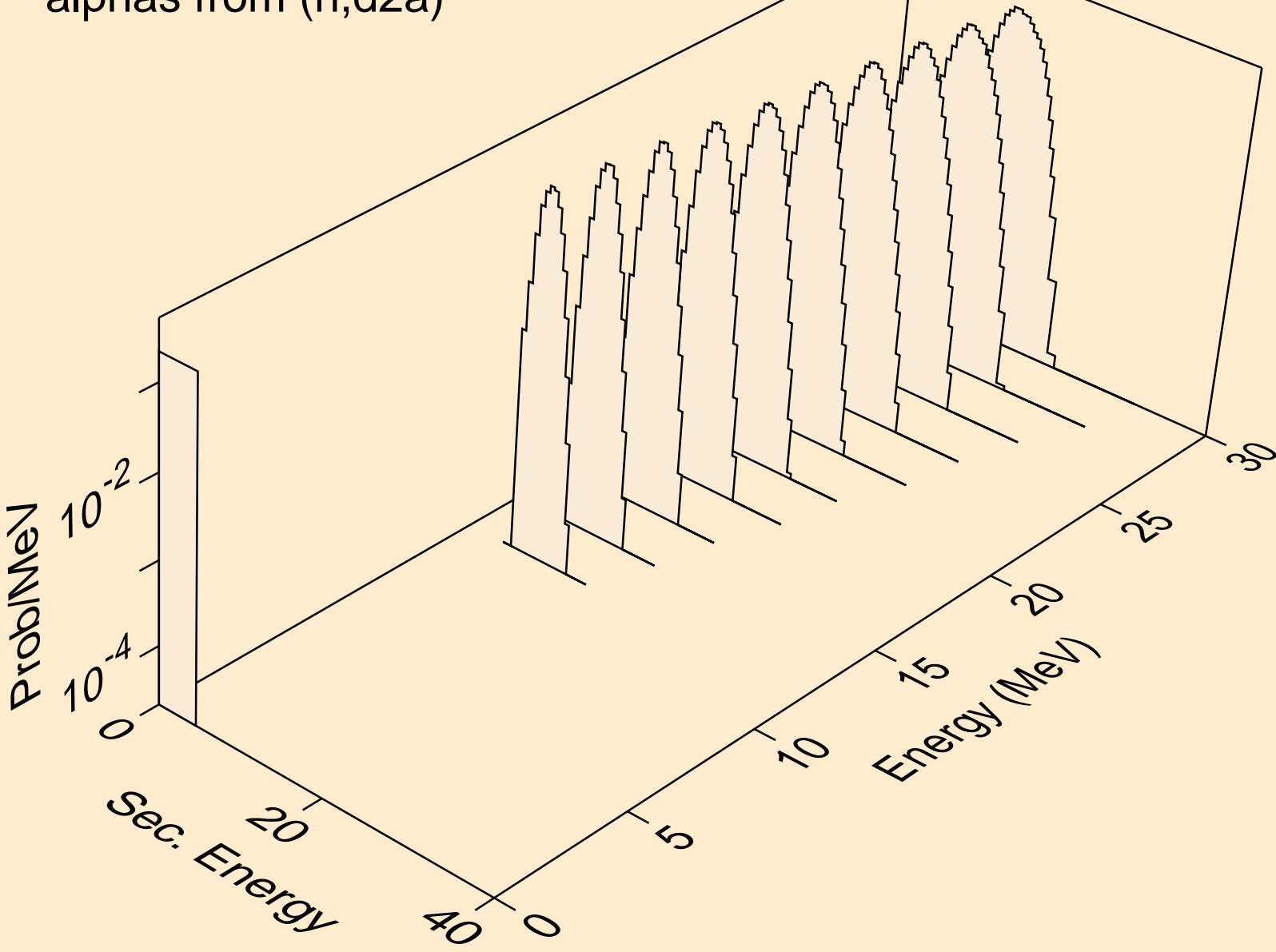
W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,pa)



W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,t2a)



W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,d2a)



W163 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,da)

