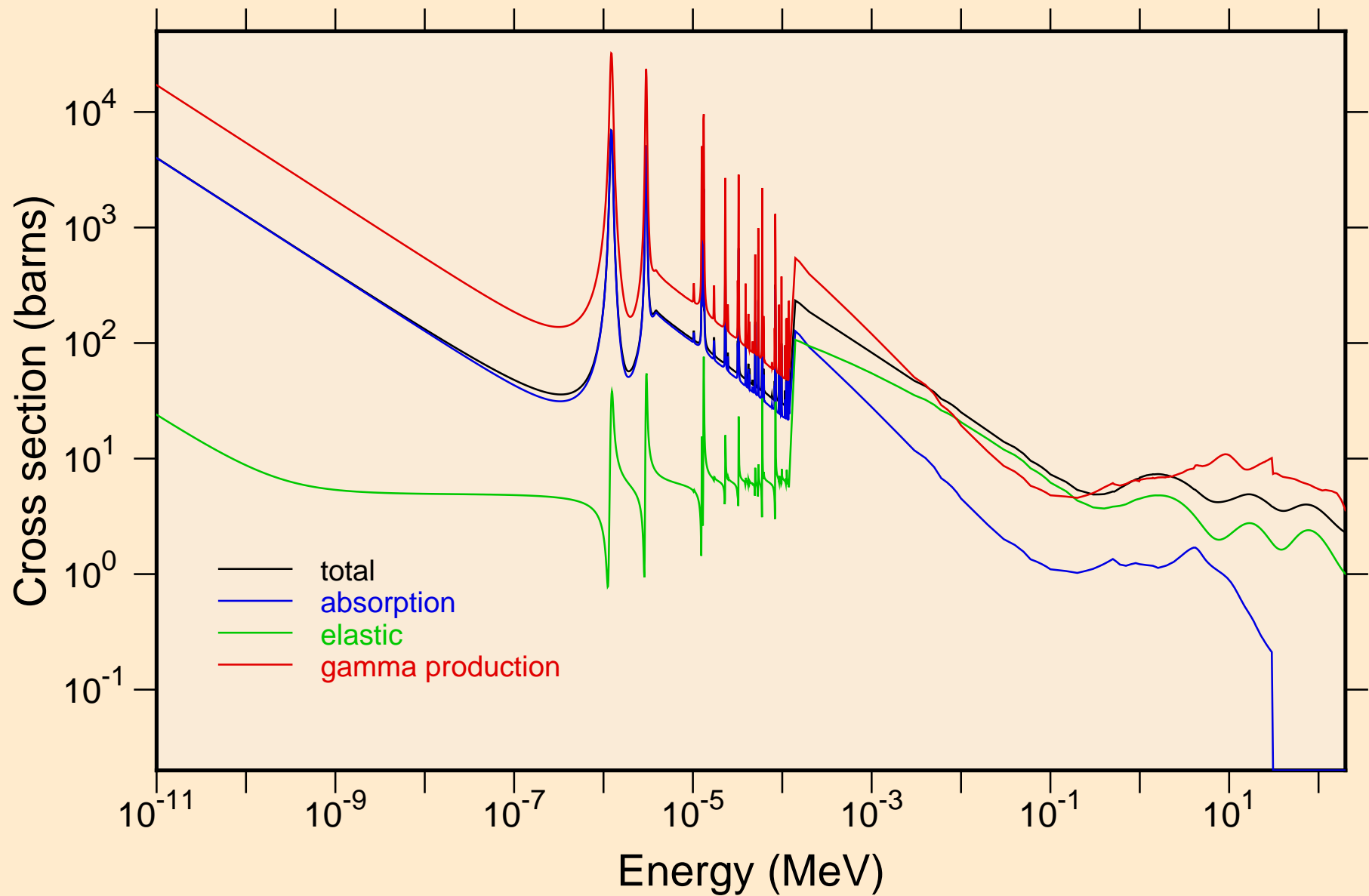
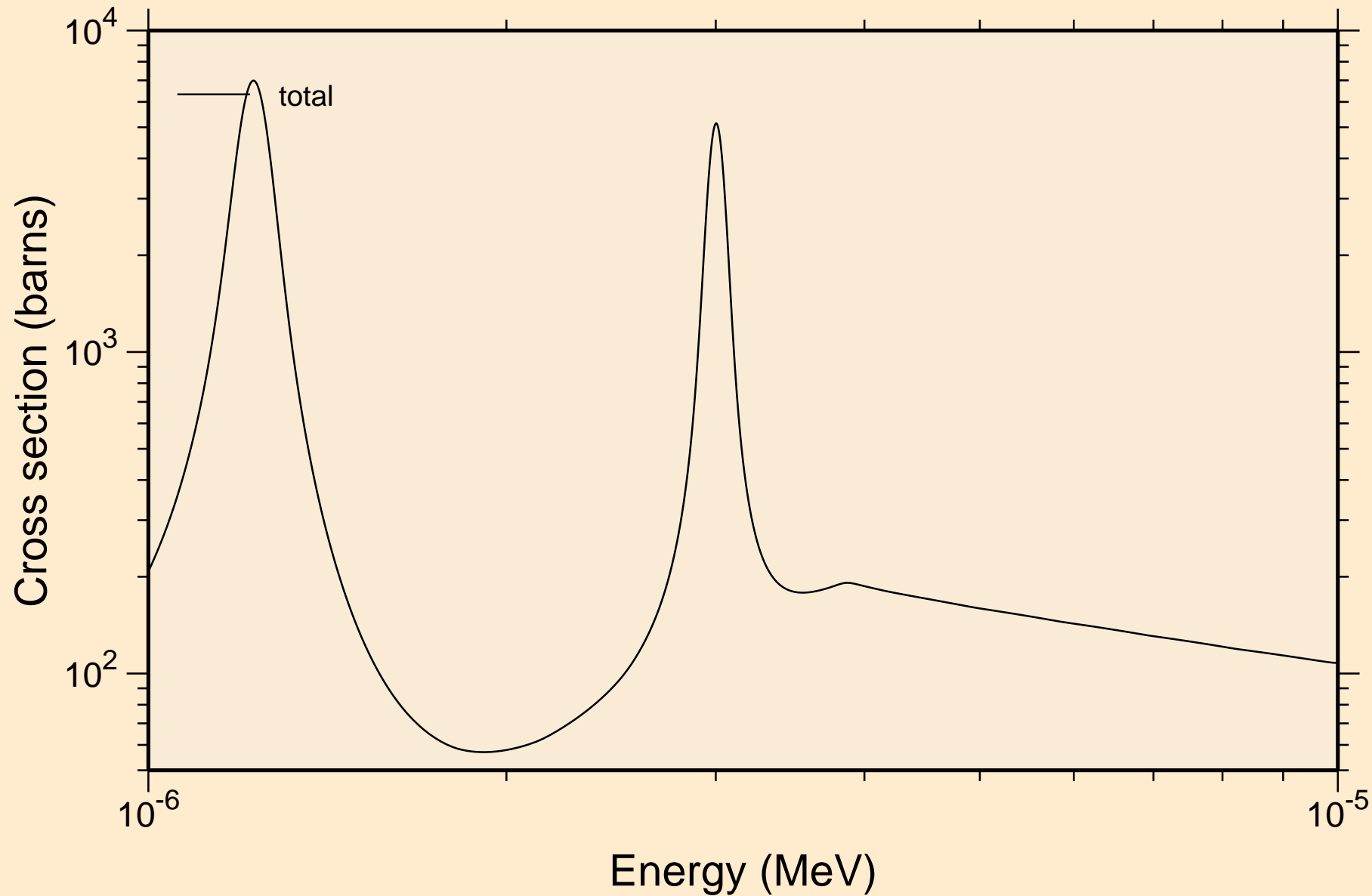


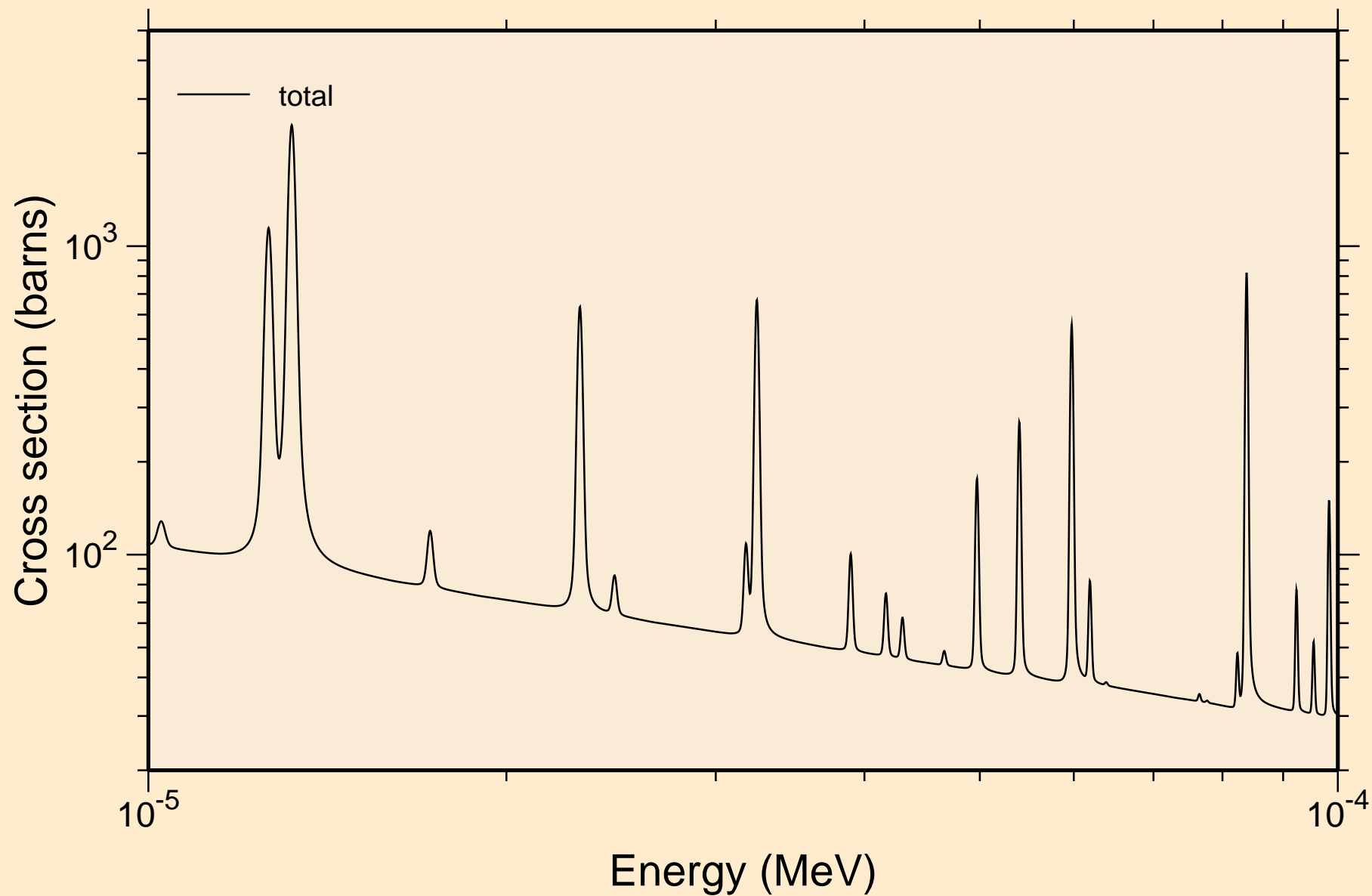
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



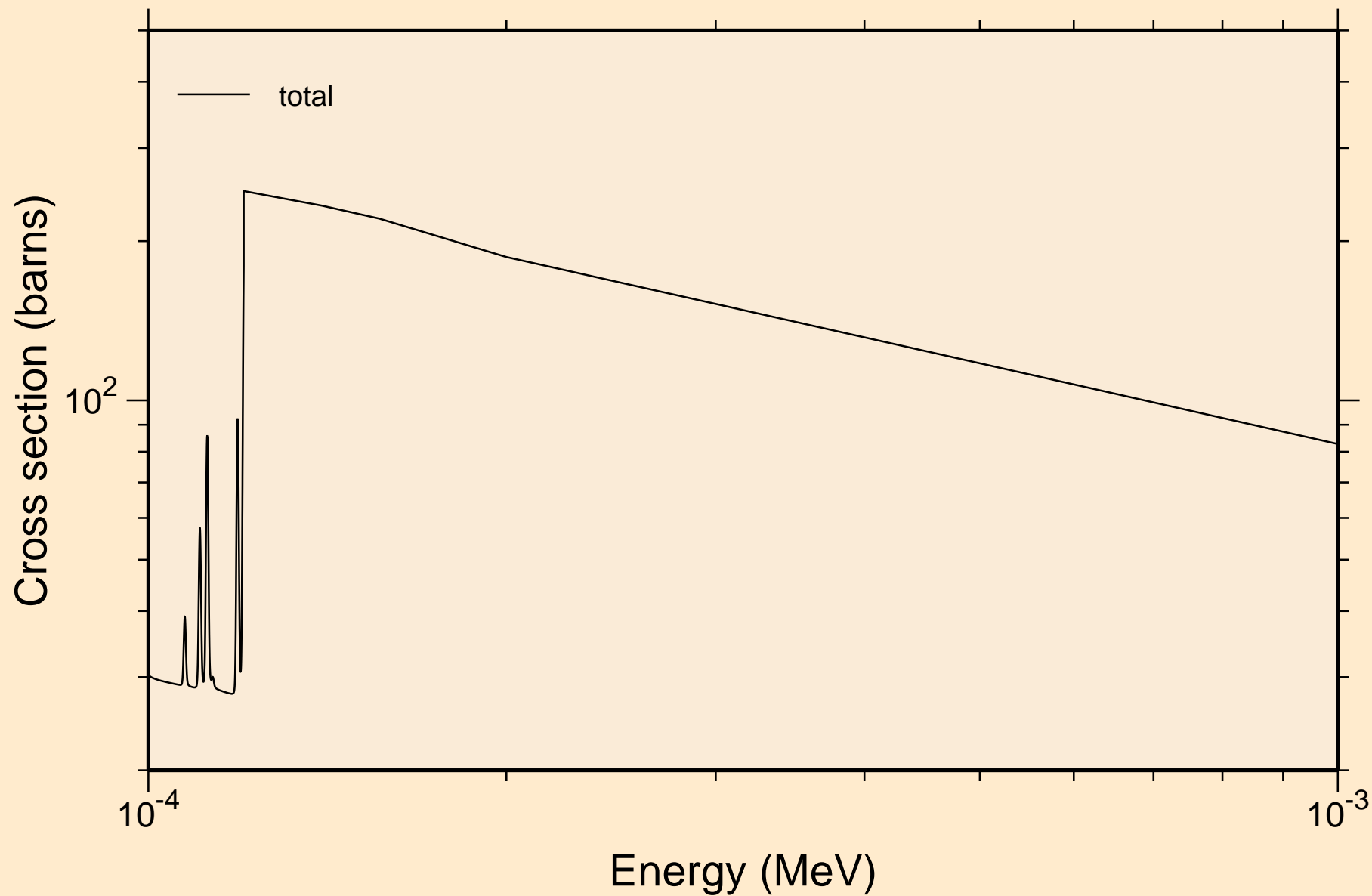
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



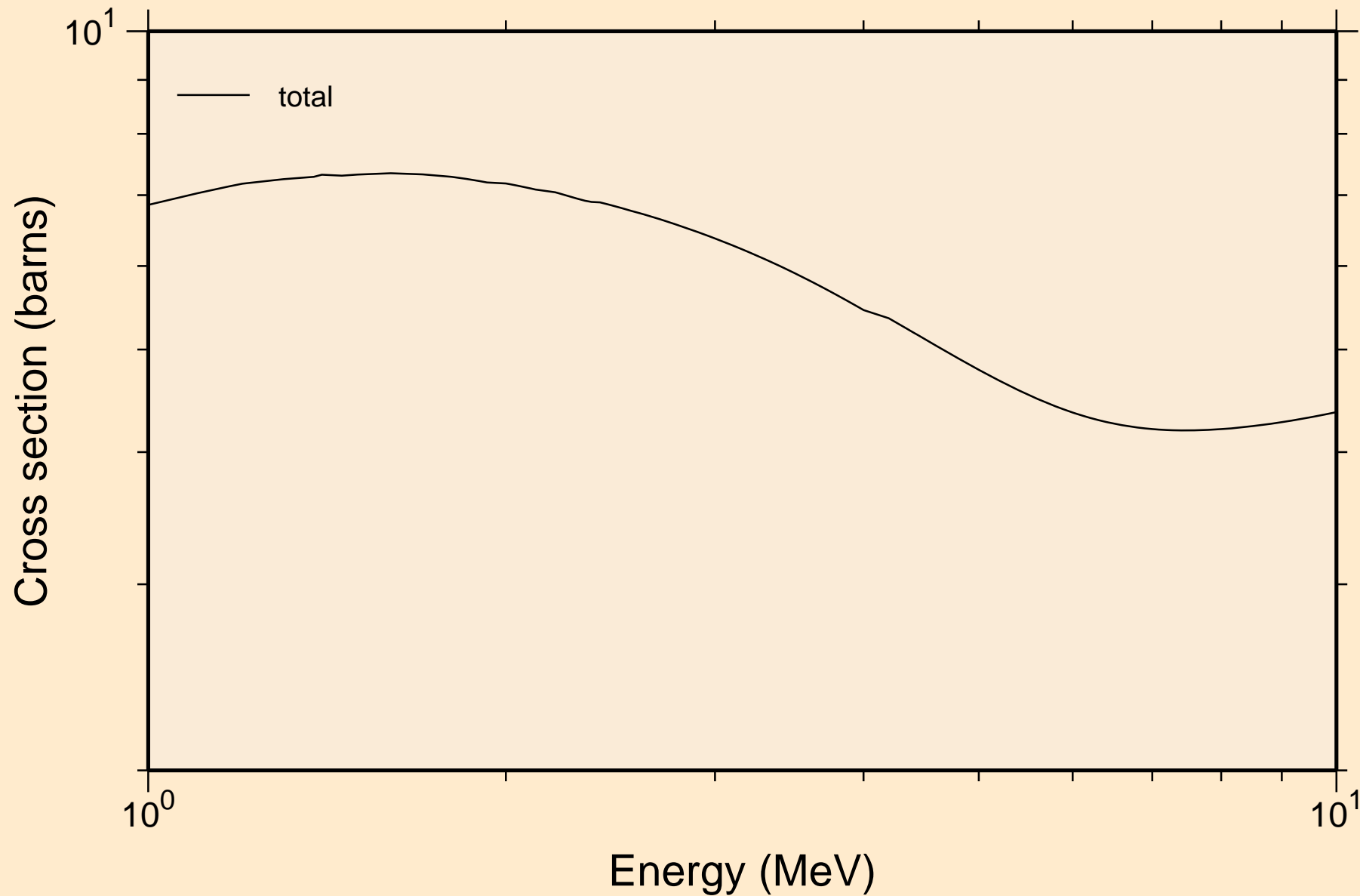
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resonance total cross section



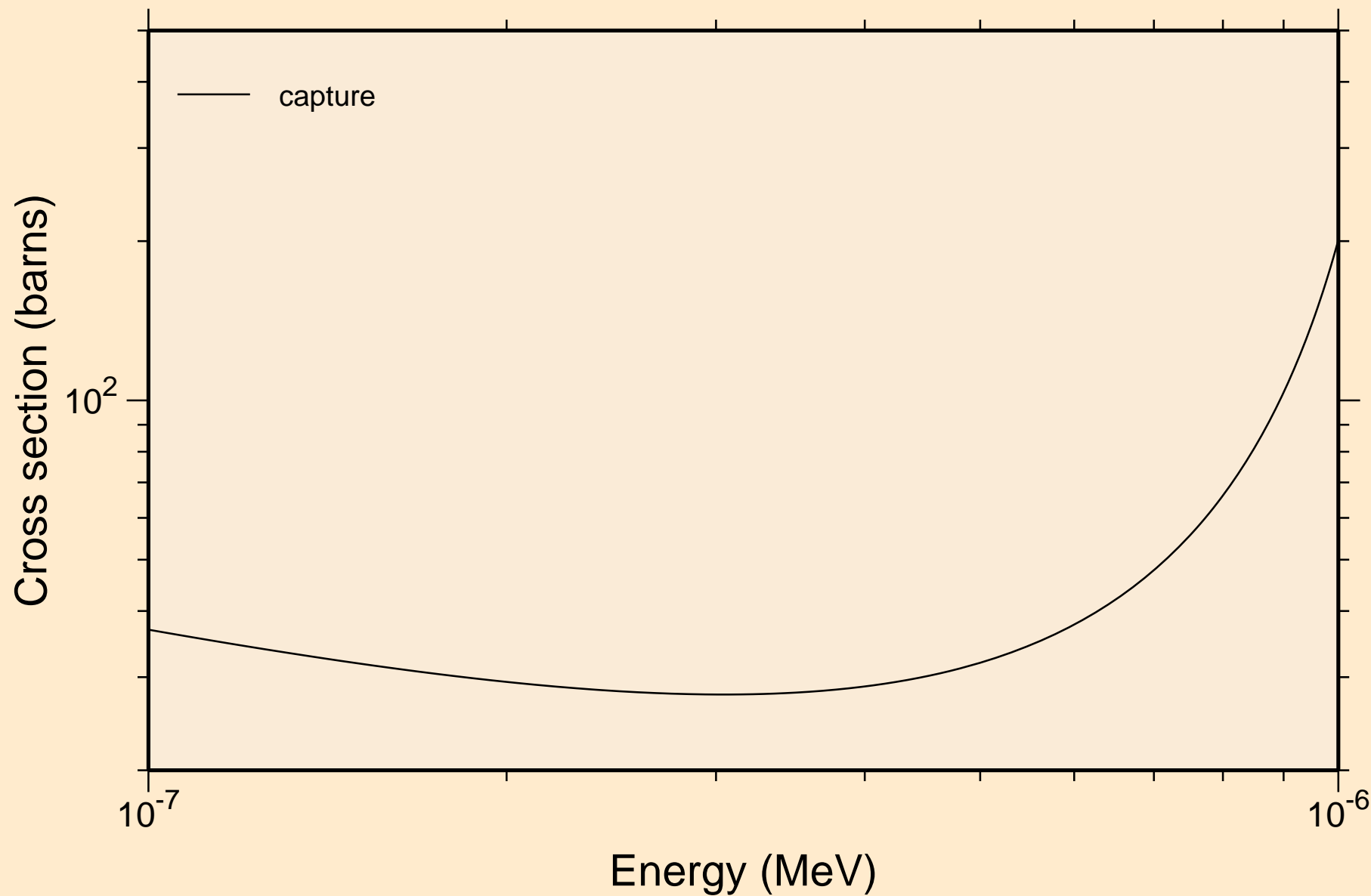
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



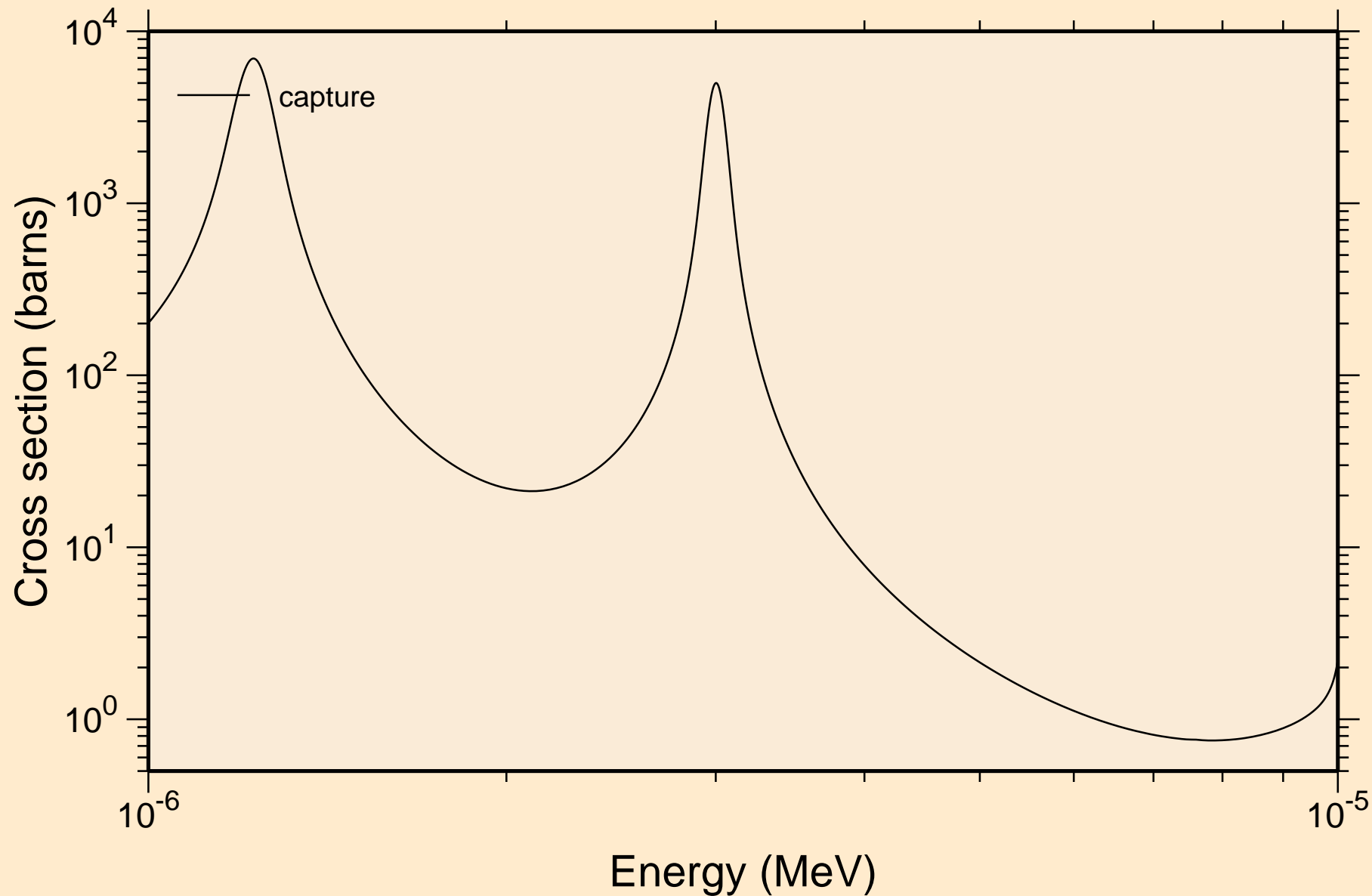
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resonance total cross section



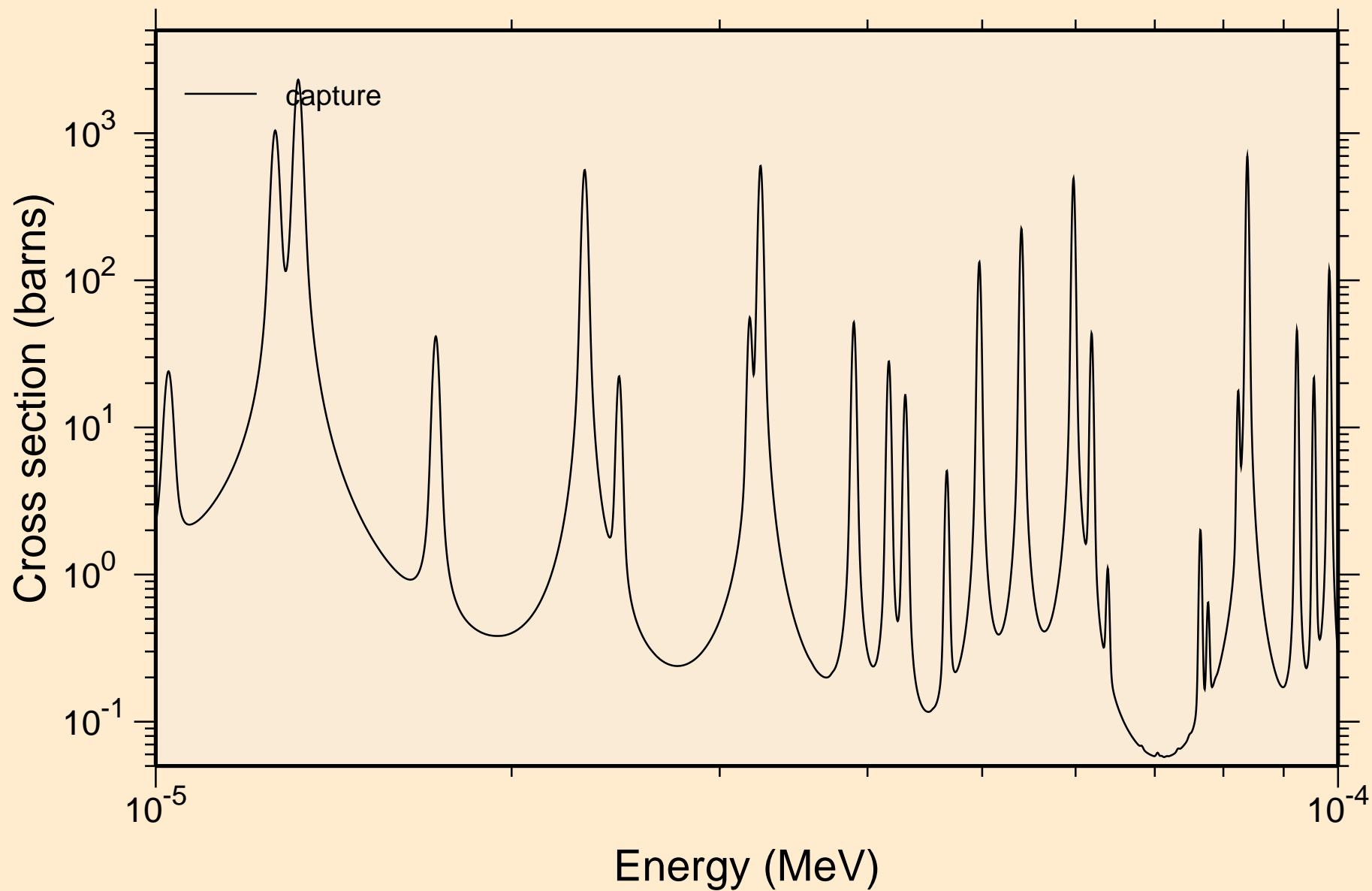
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resonance absorption cross sections



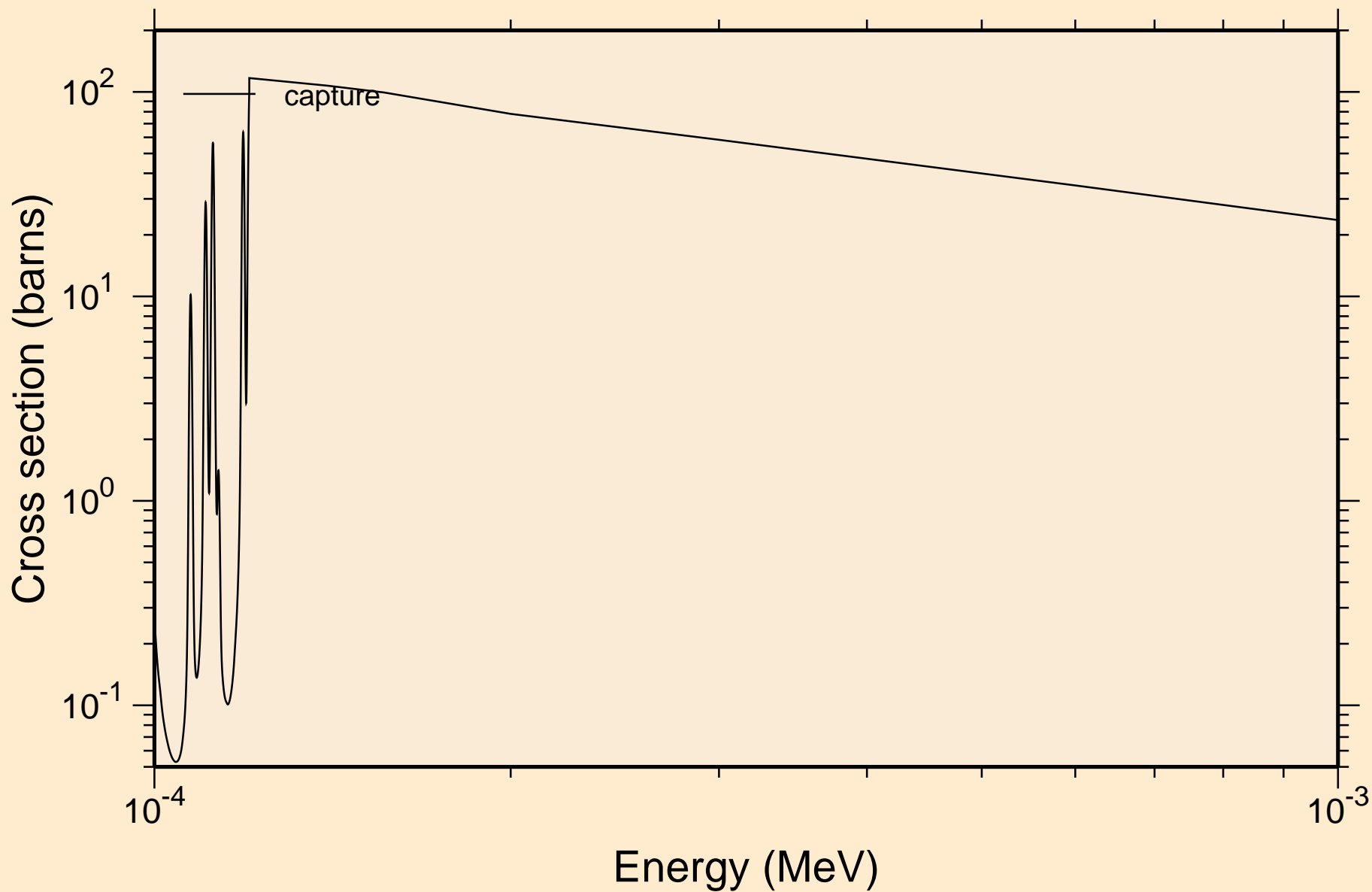
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resonance absorption cross sections



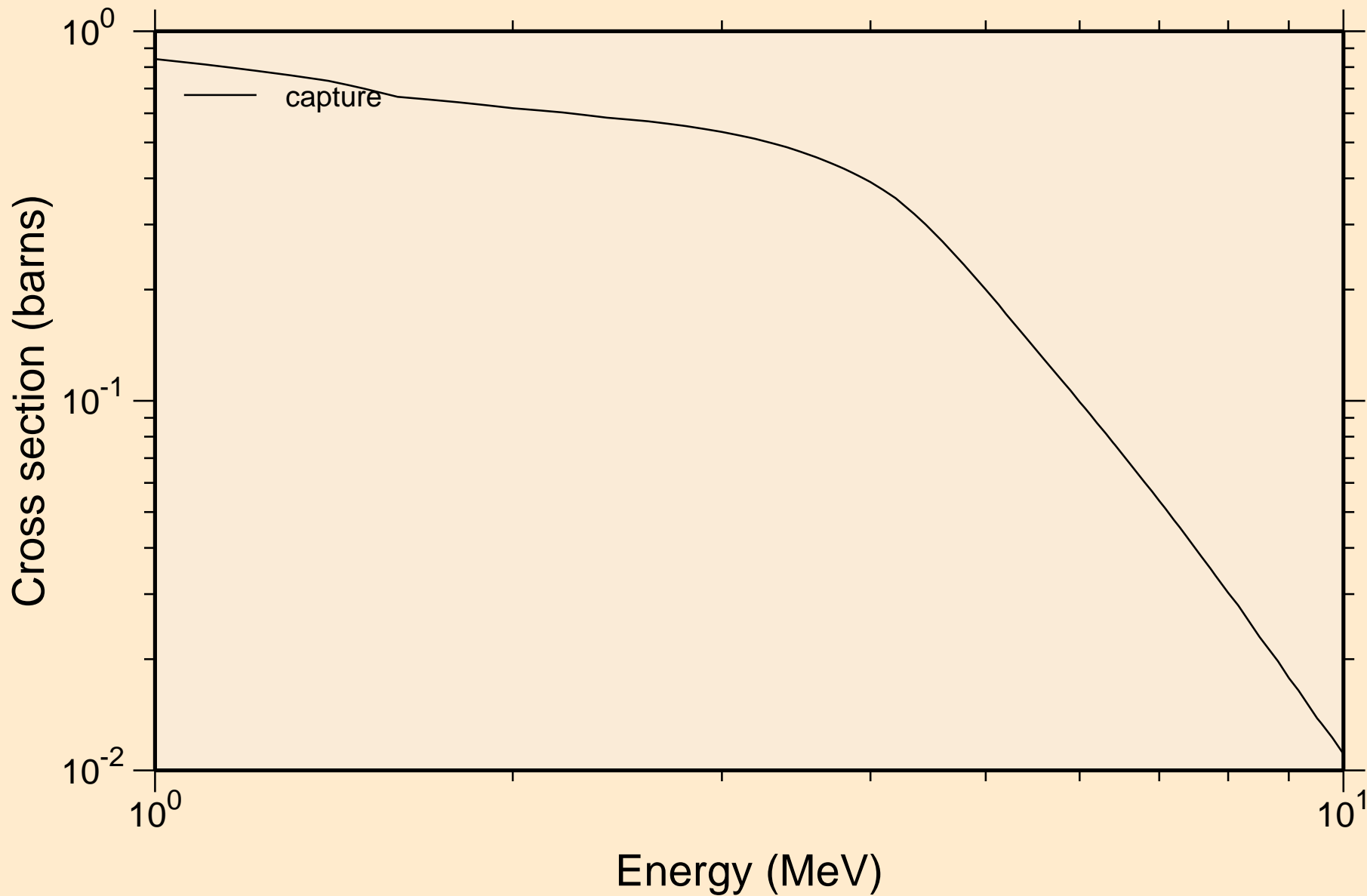
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resonance absorption cross sections



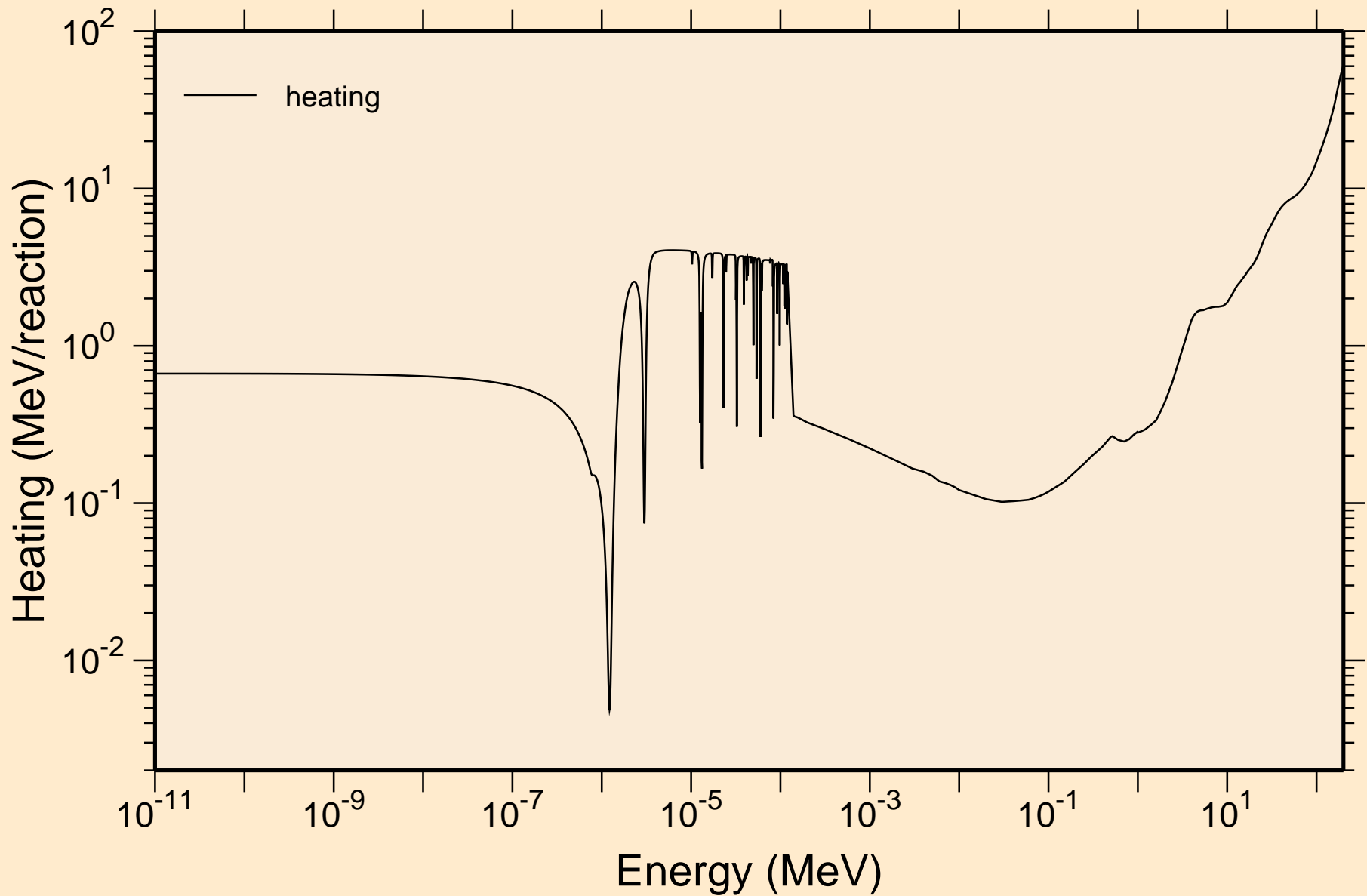
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resonance absorption cross sections



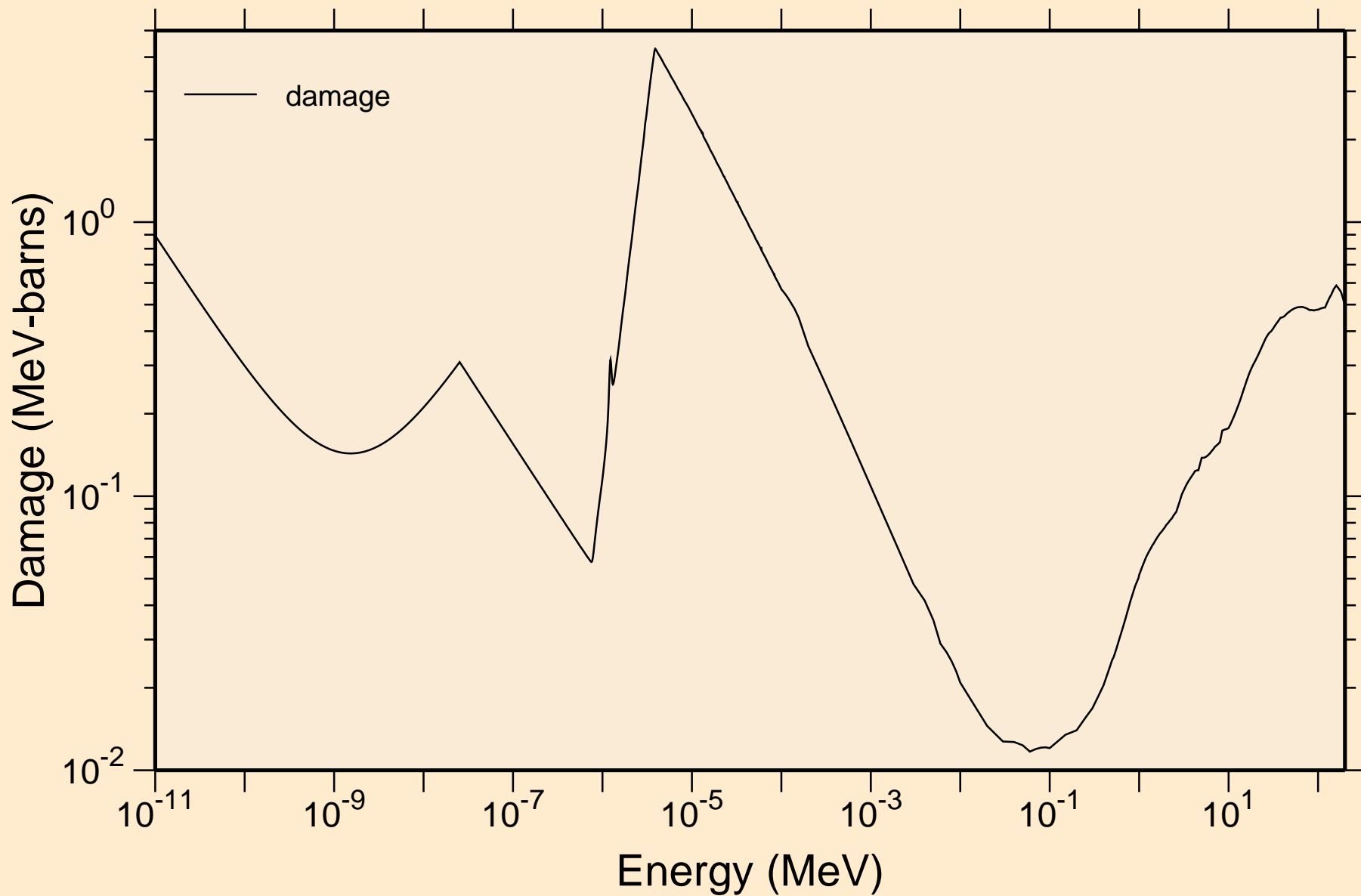
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

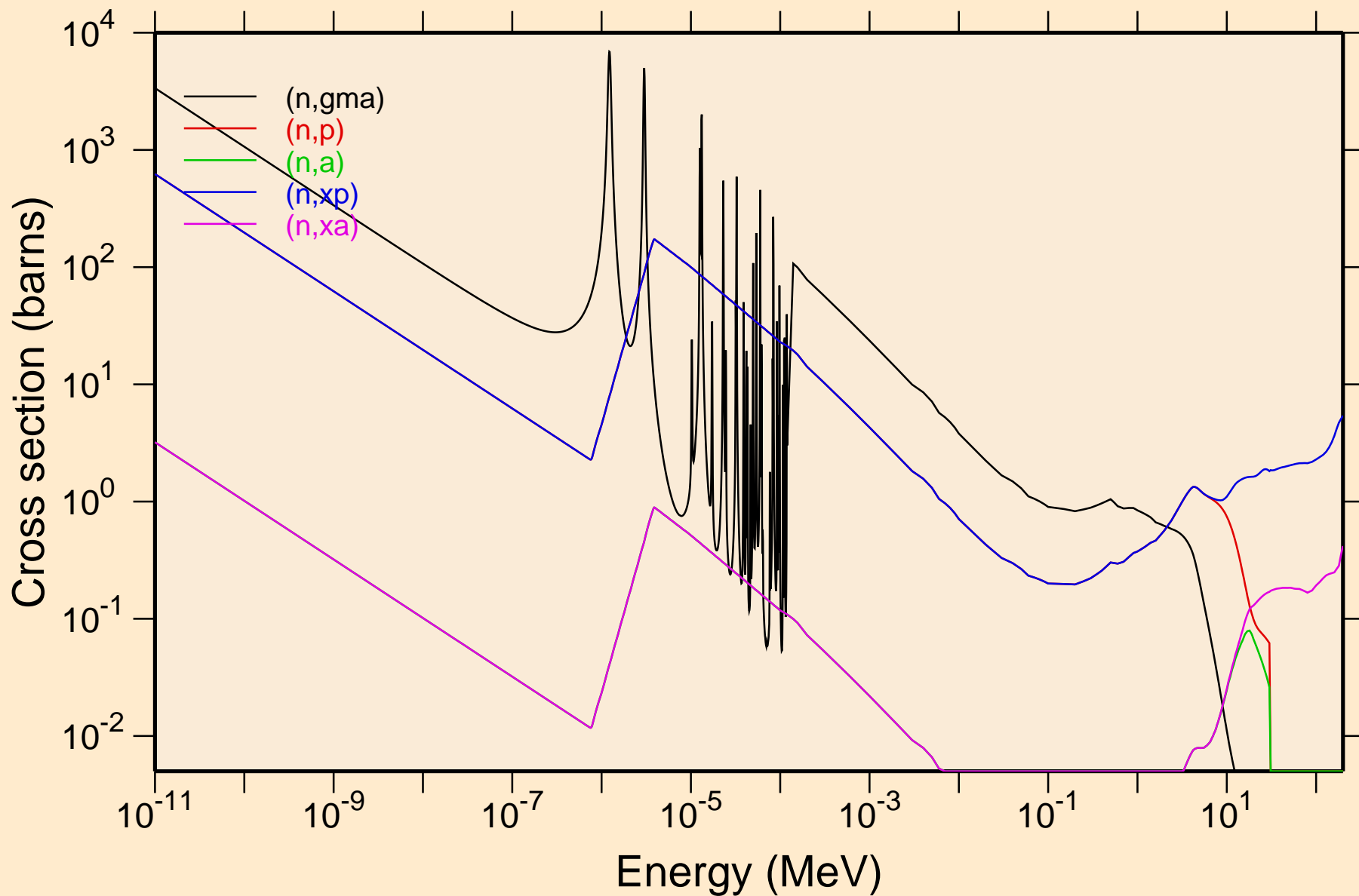


GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

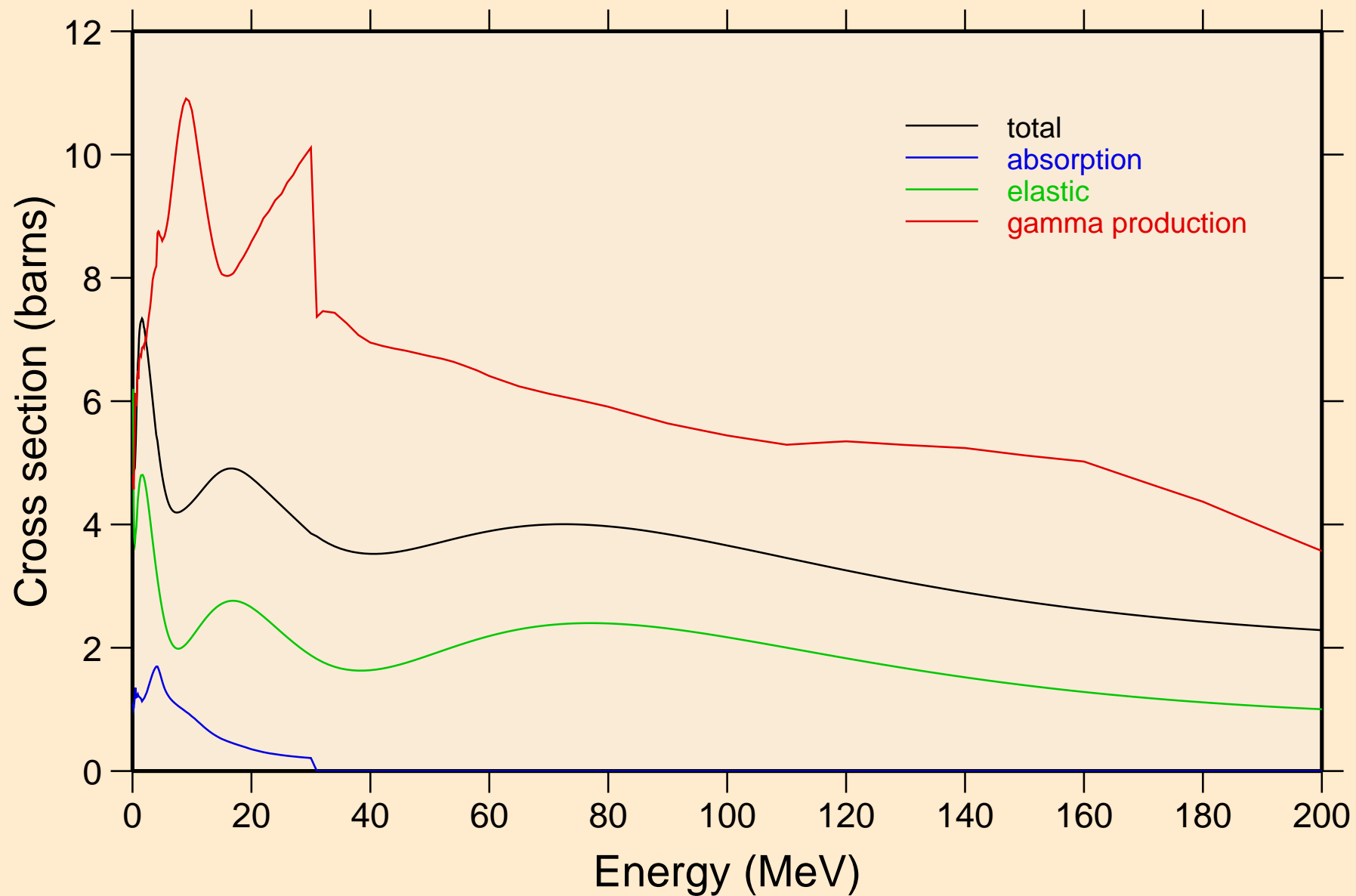


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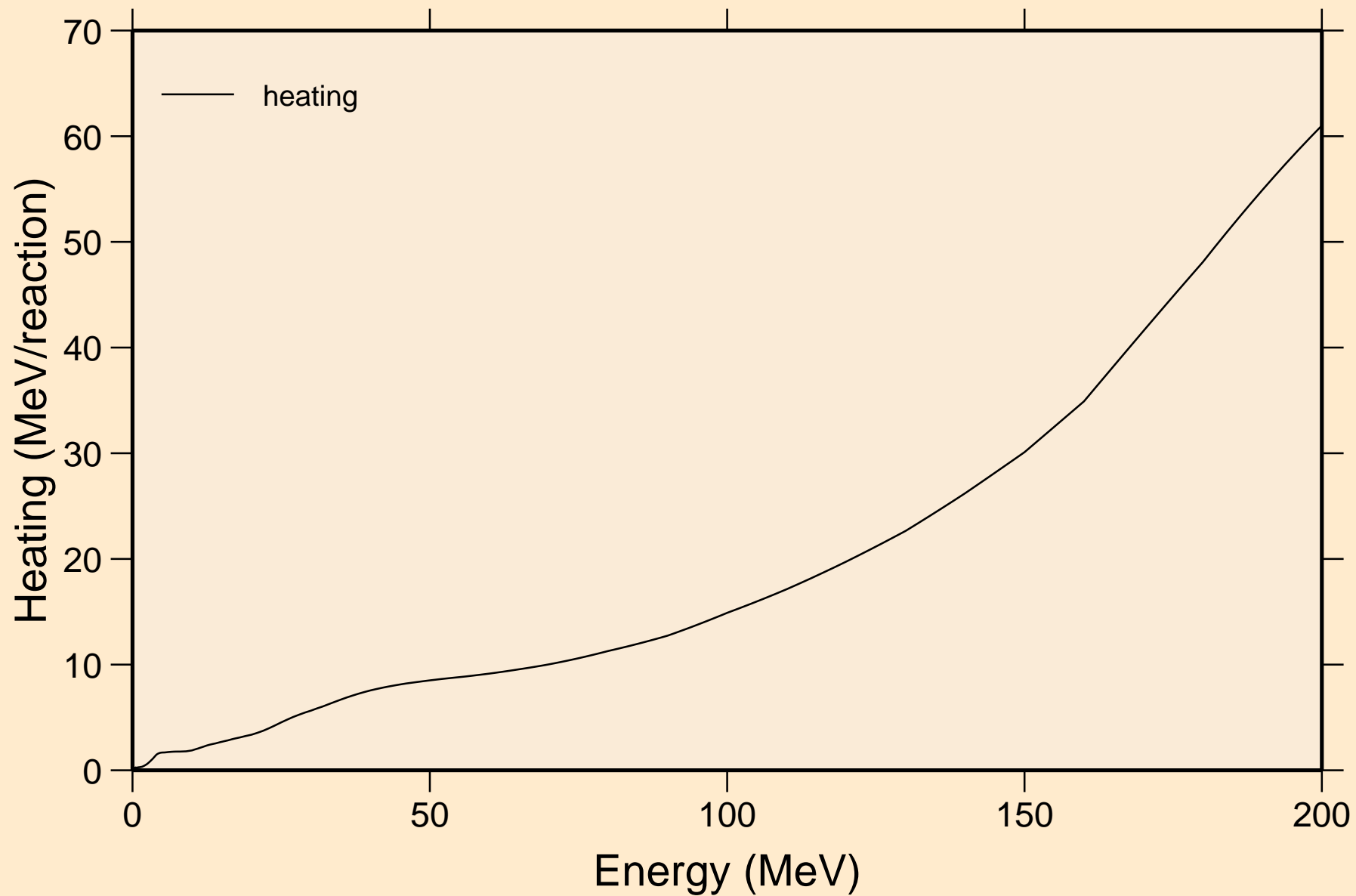
Non-threshold reactions



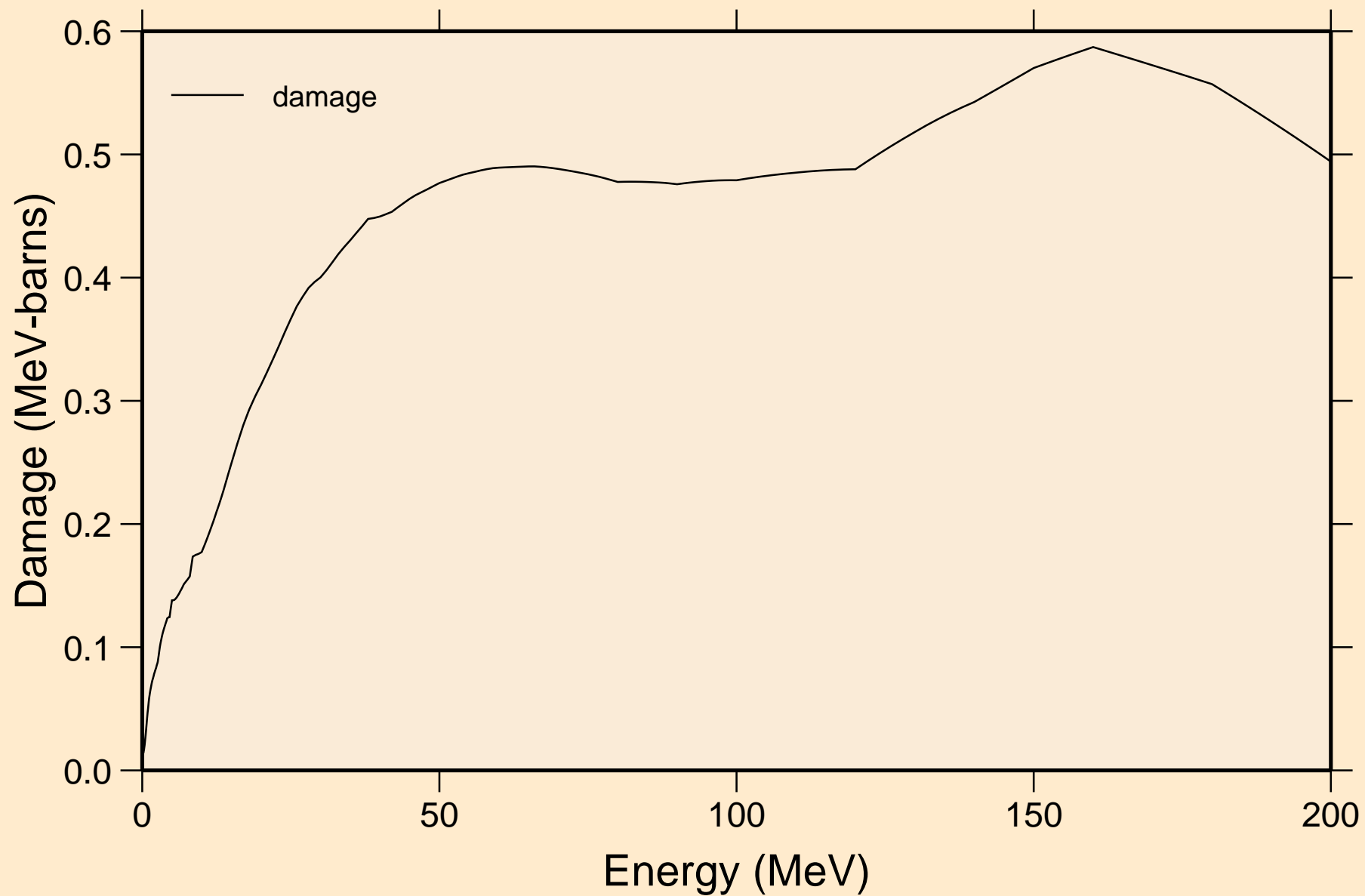
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

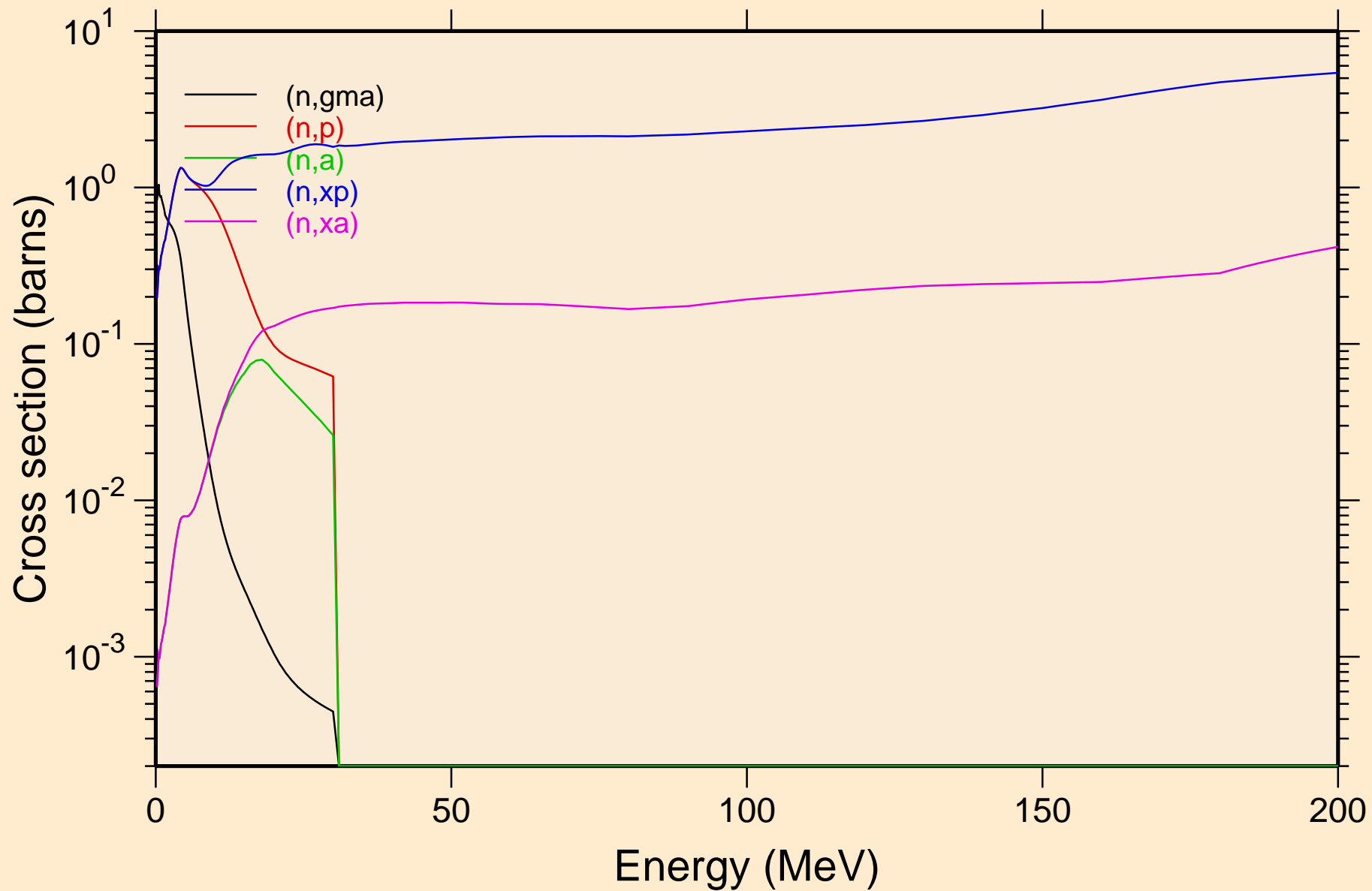


GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage

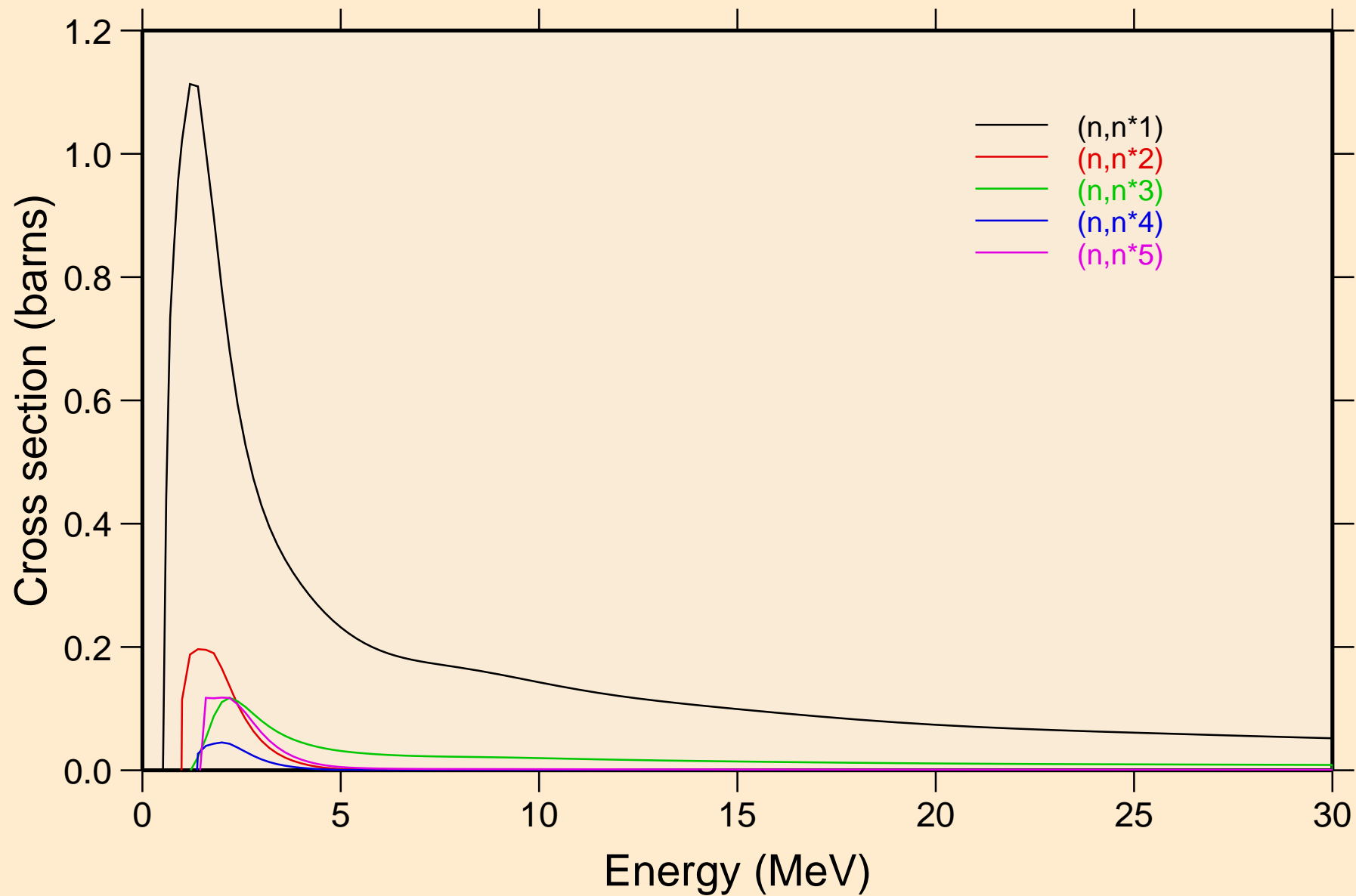


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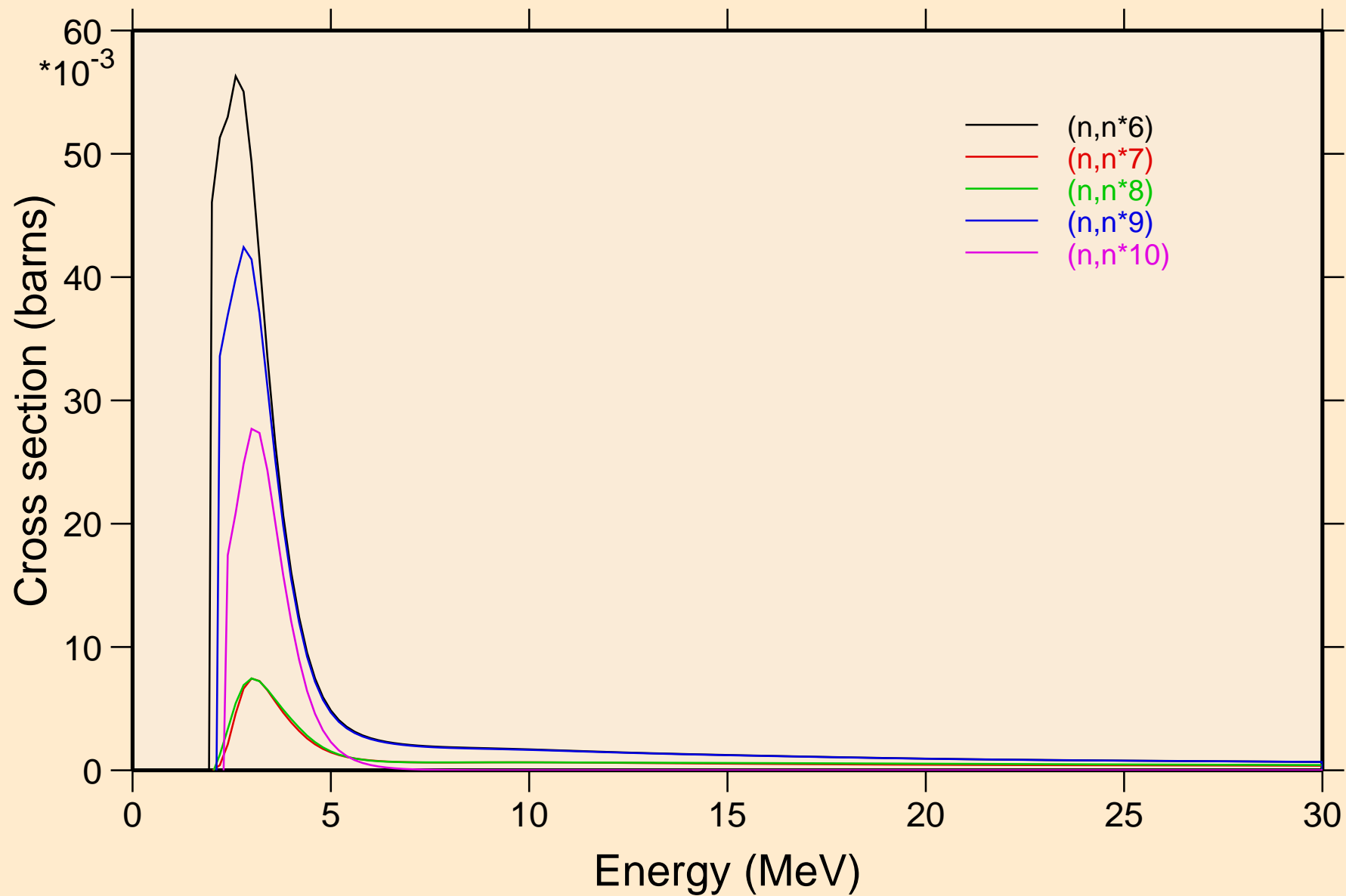
Non-threshold reactions



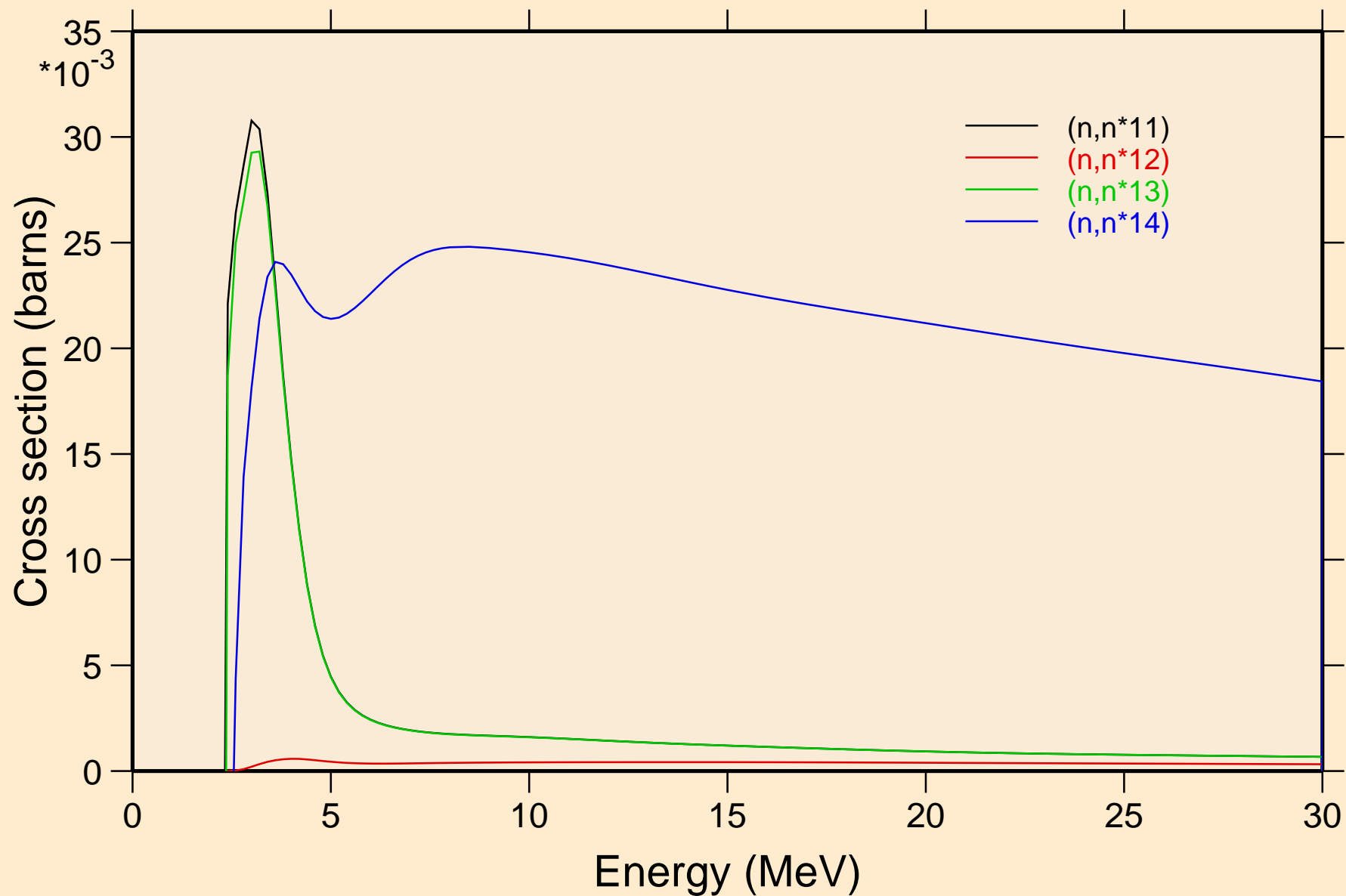
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



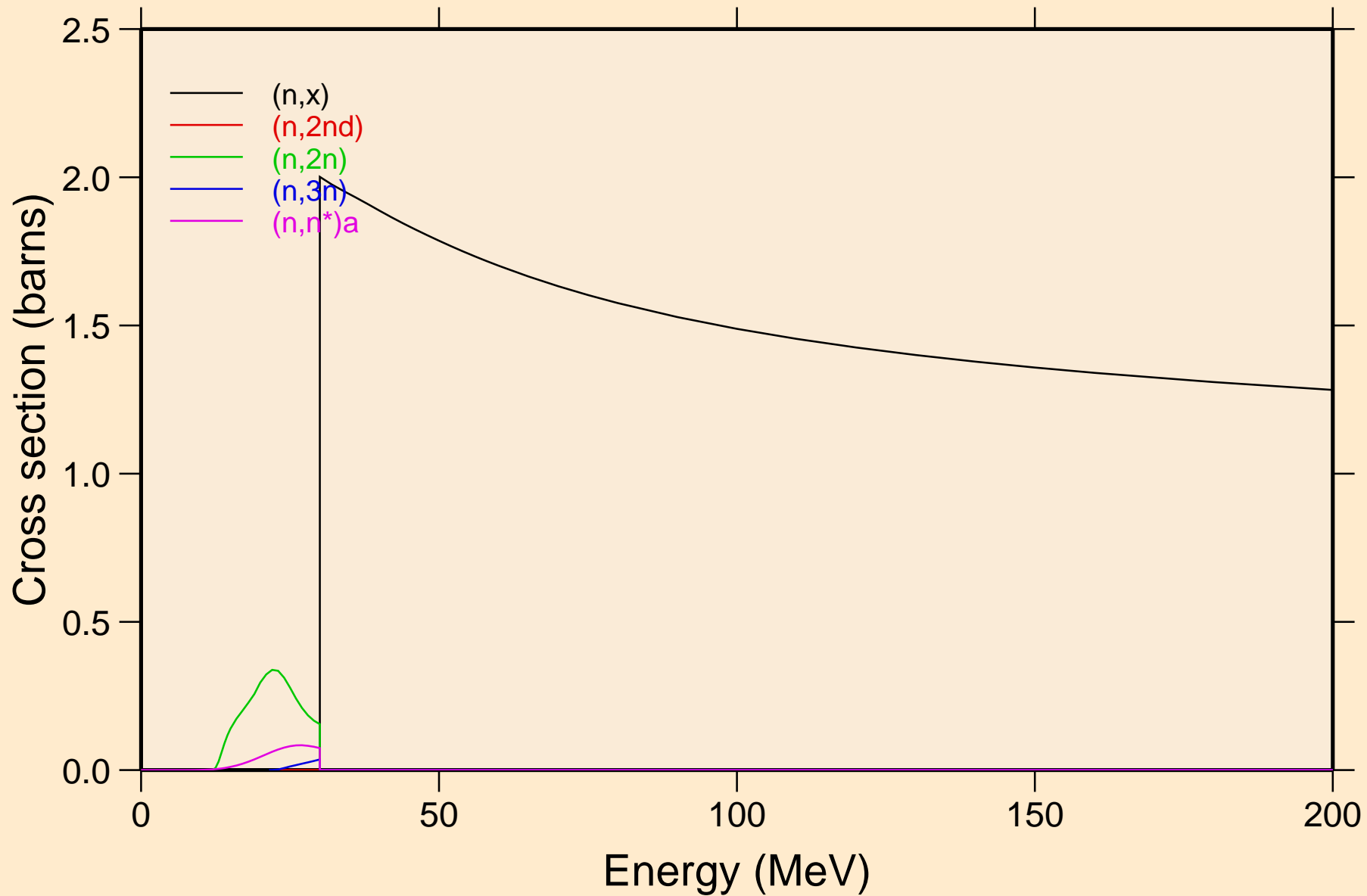
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



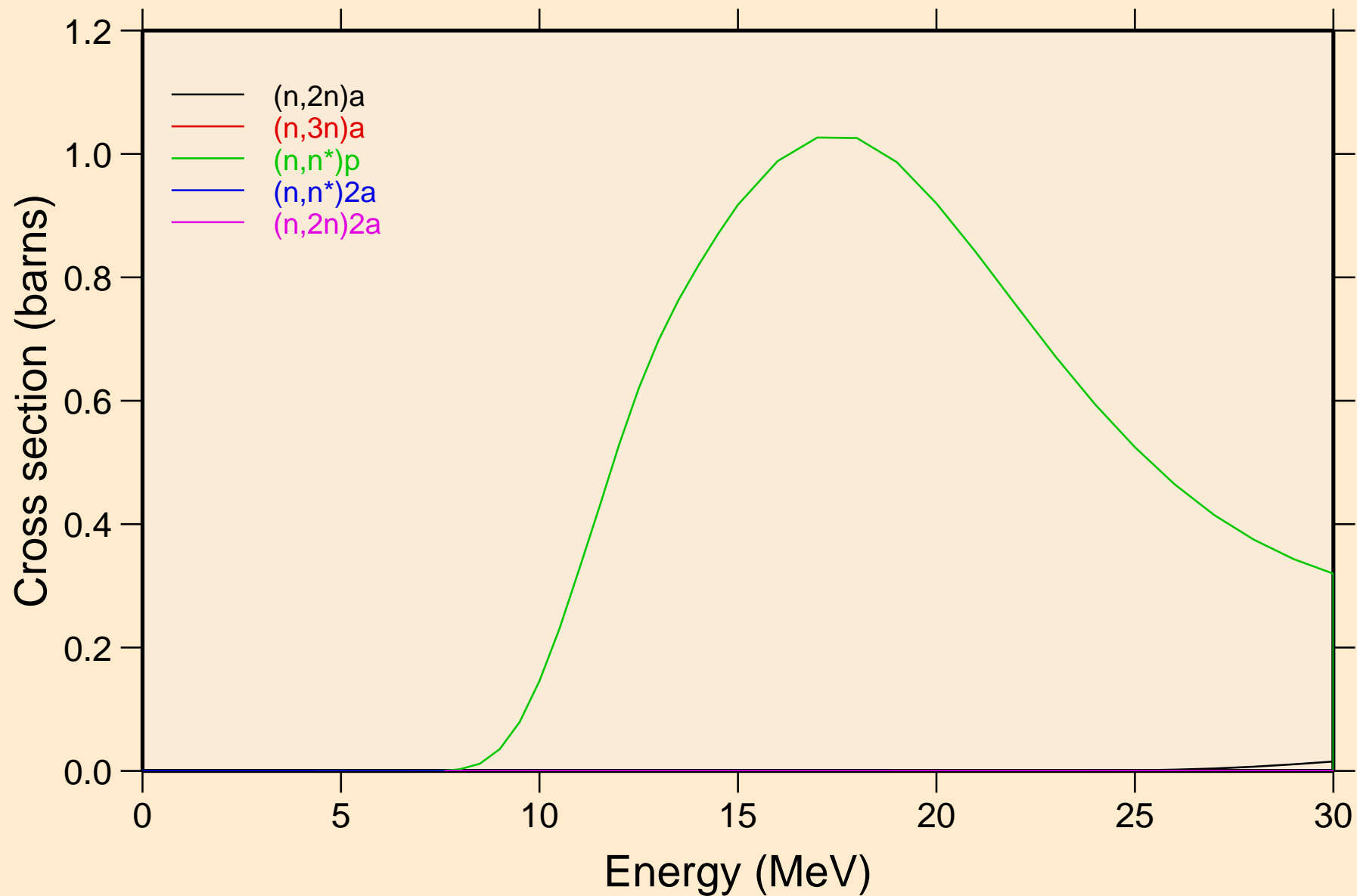
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



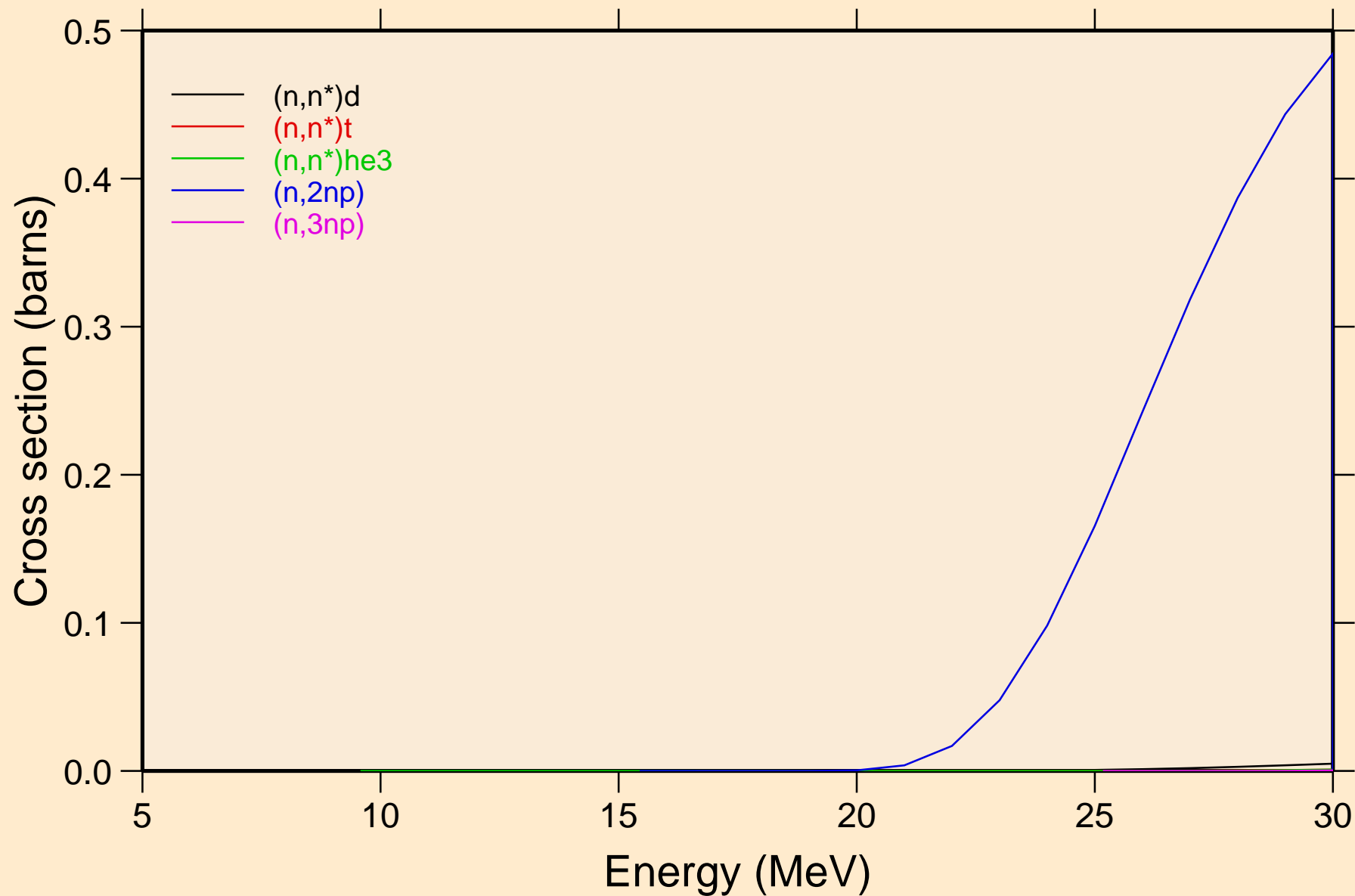
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



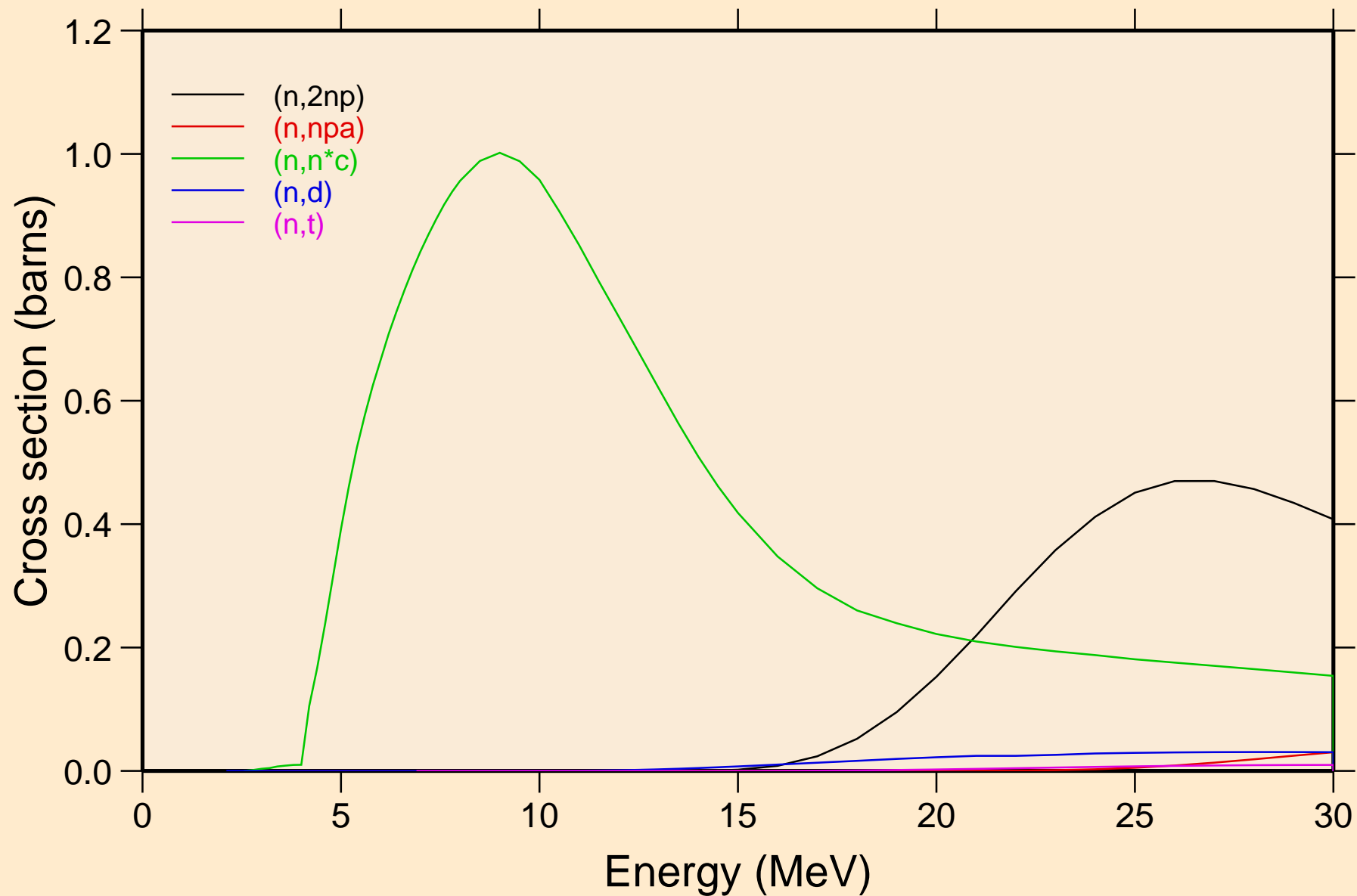
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

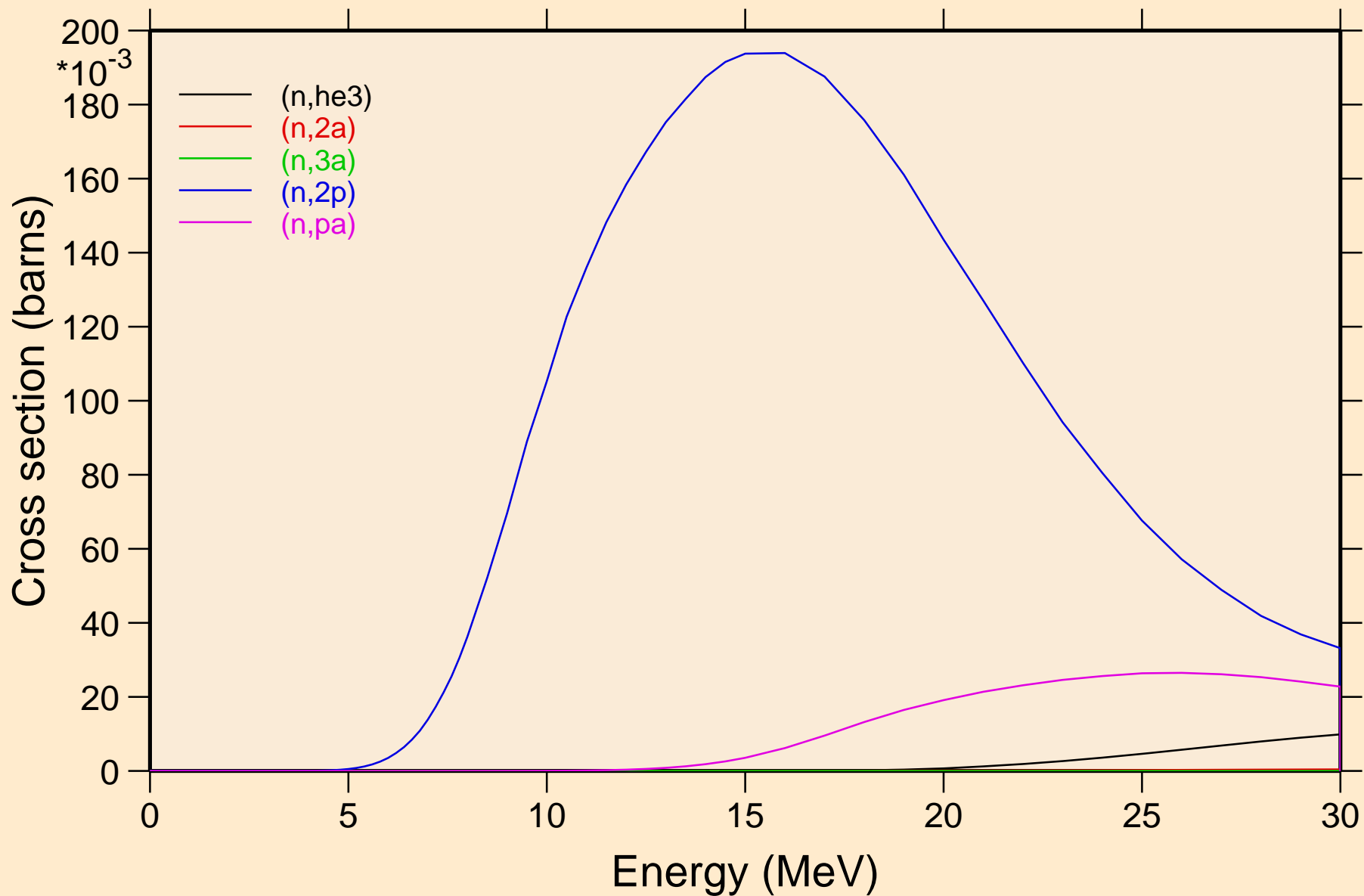


GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

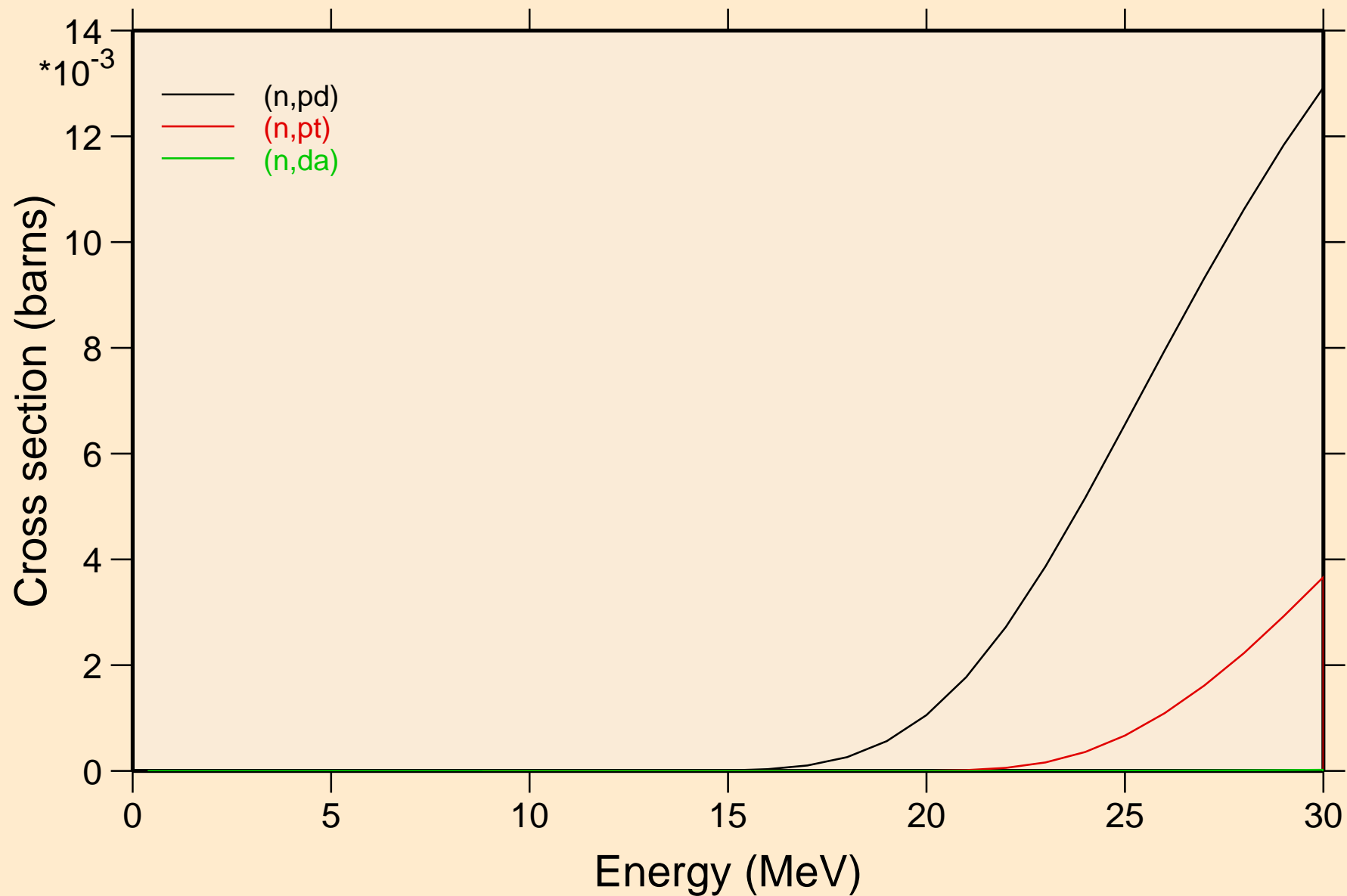


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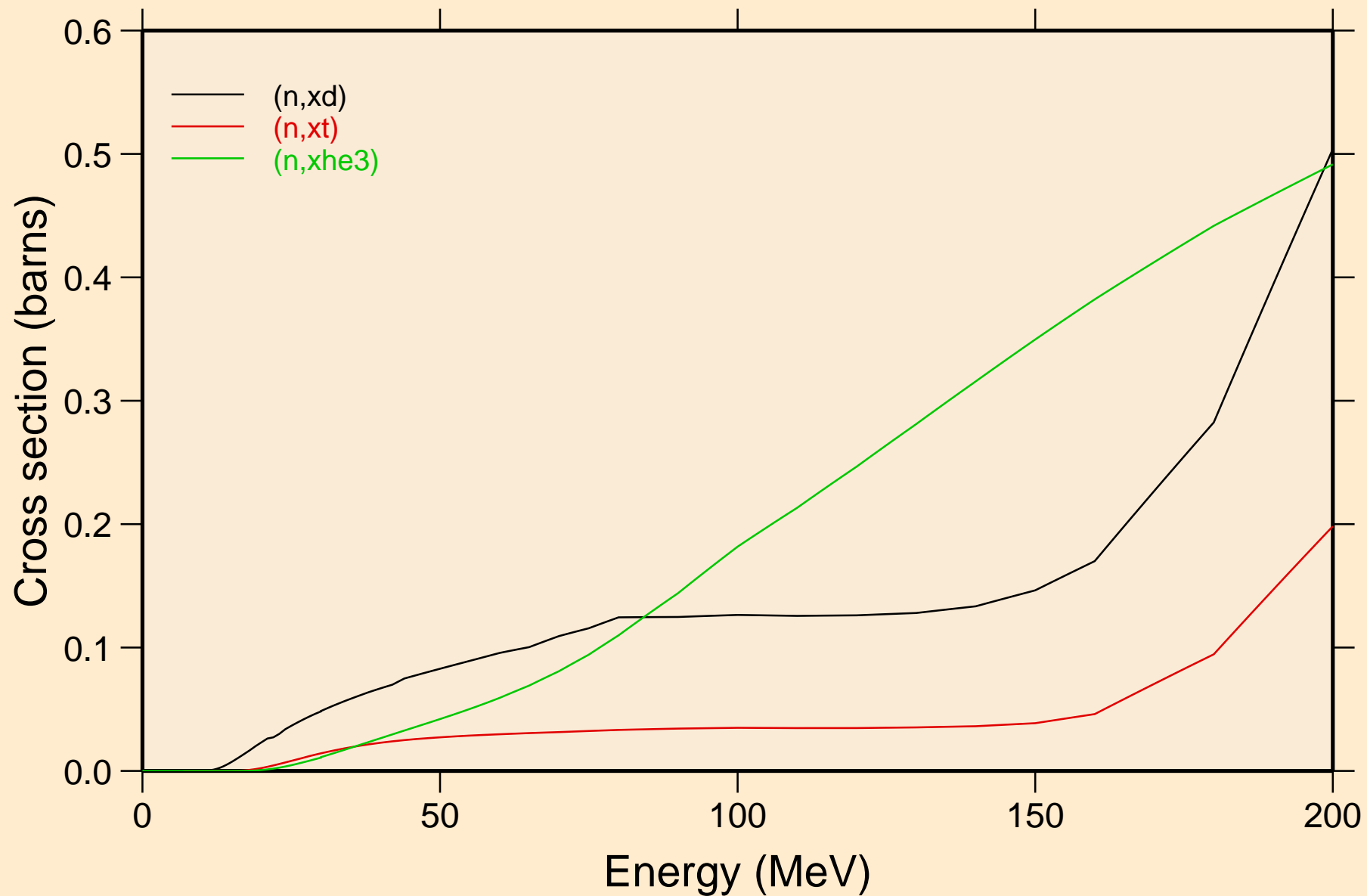
Threshold reactions



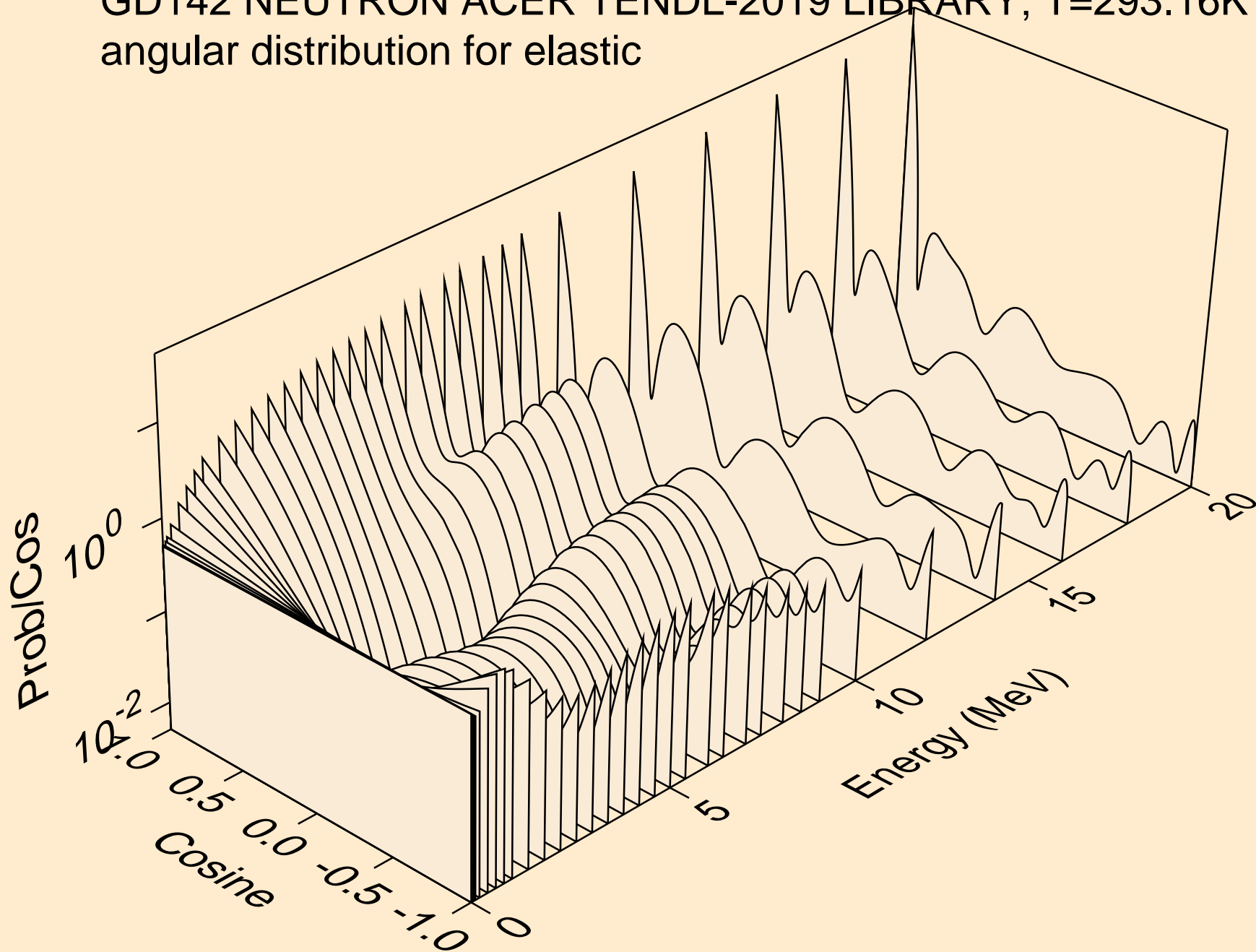
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



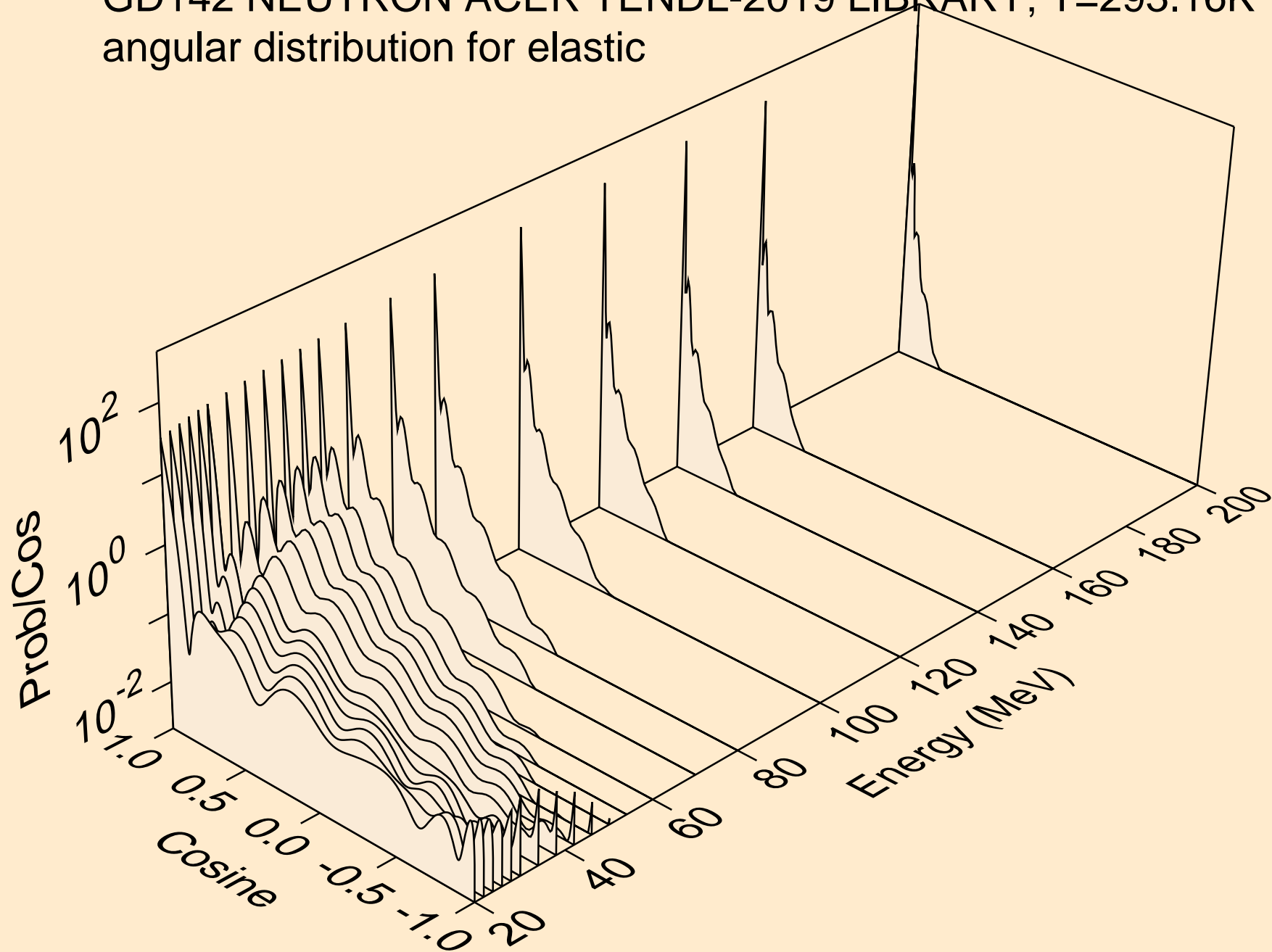
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



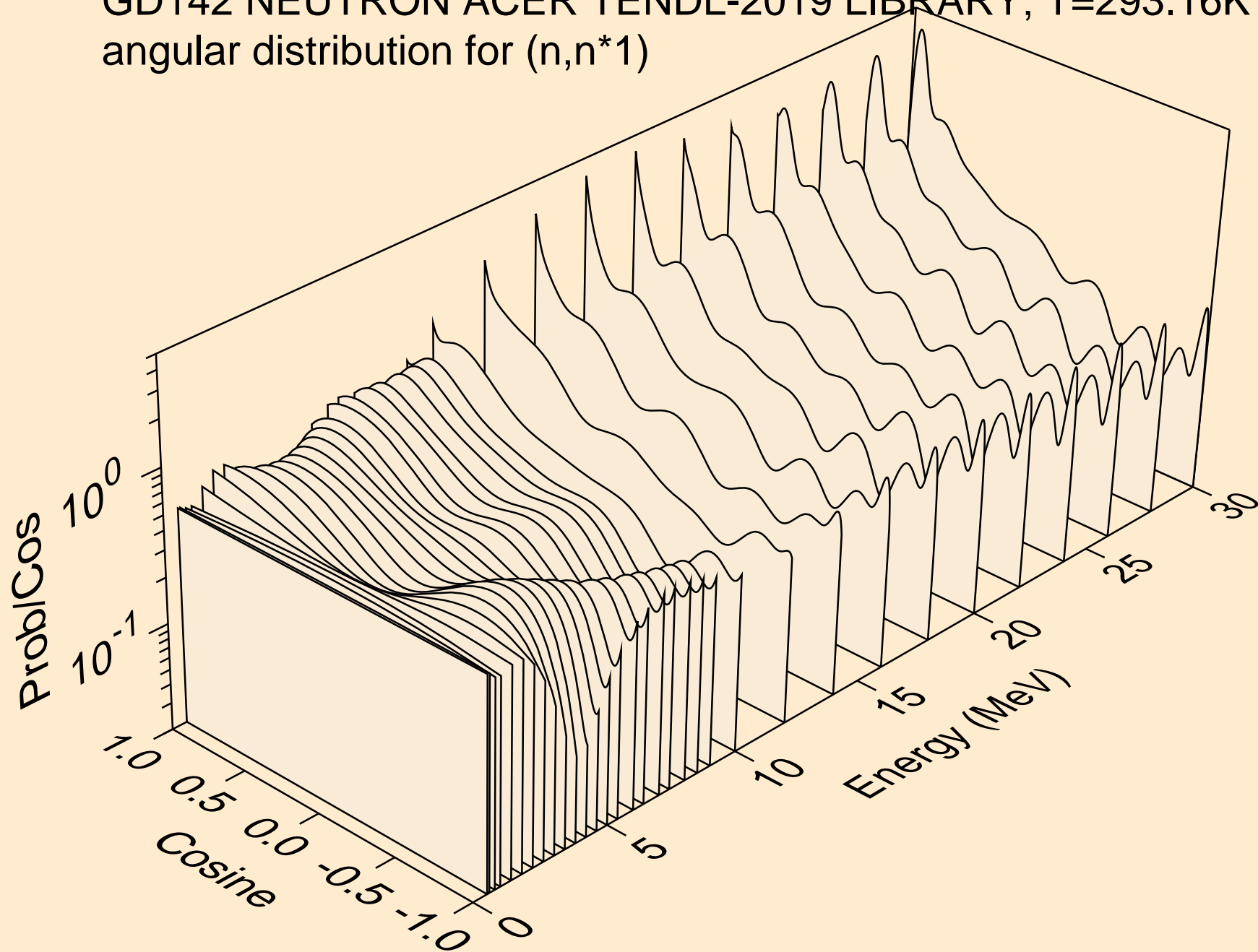
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



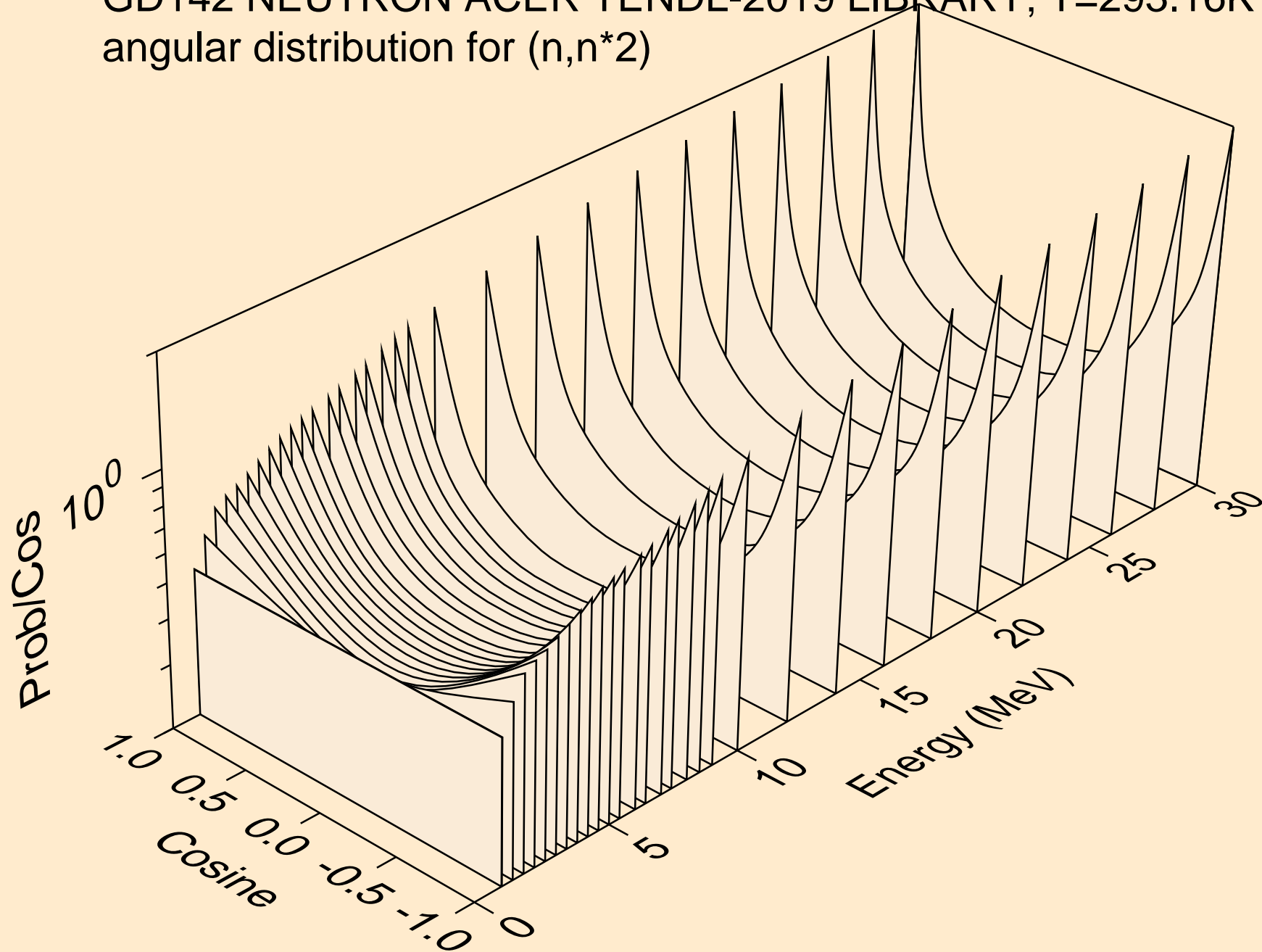
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angular distribution for elastic



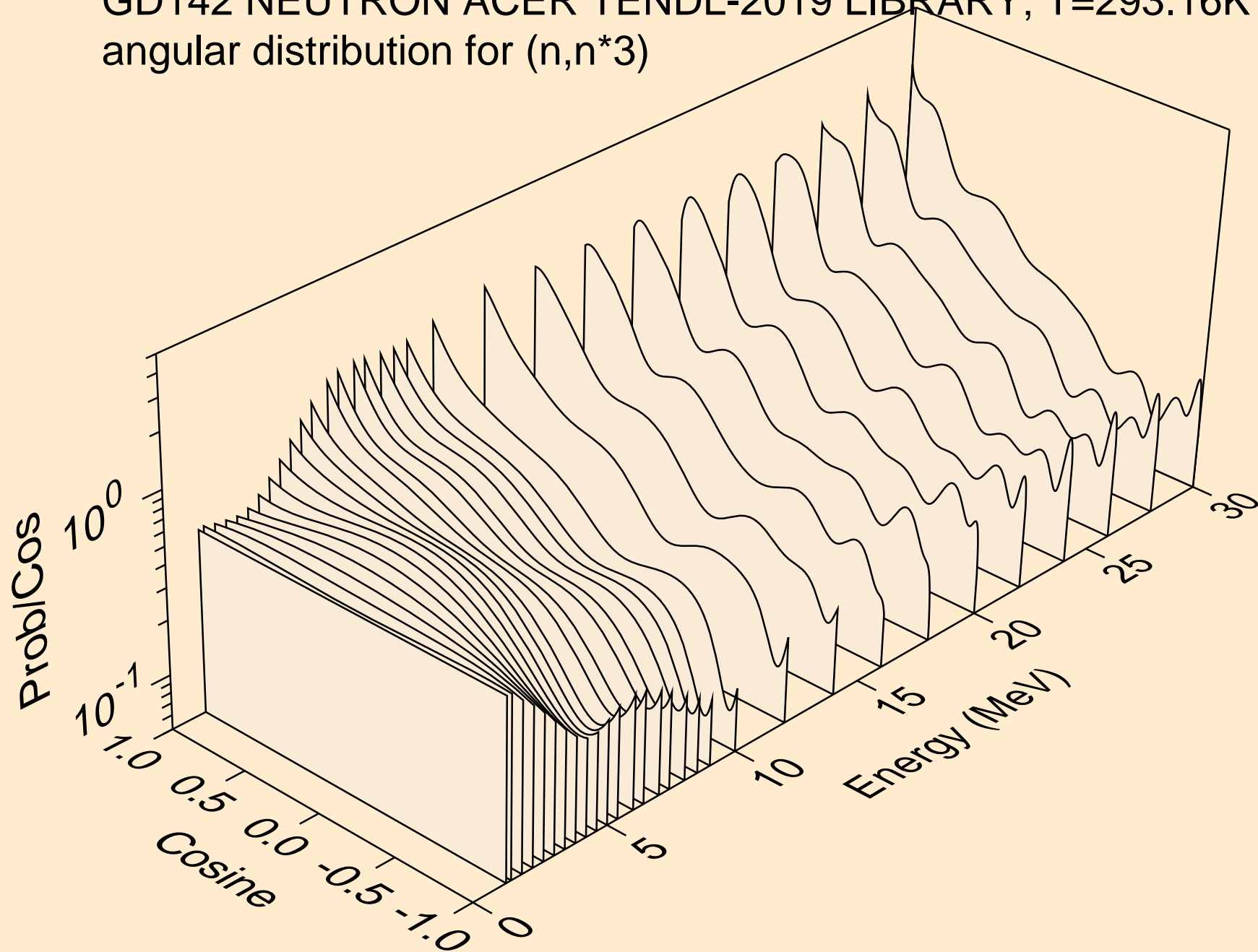
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



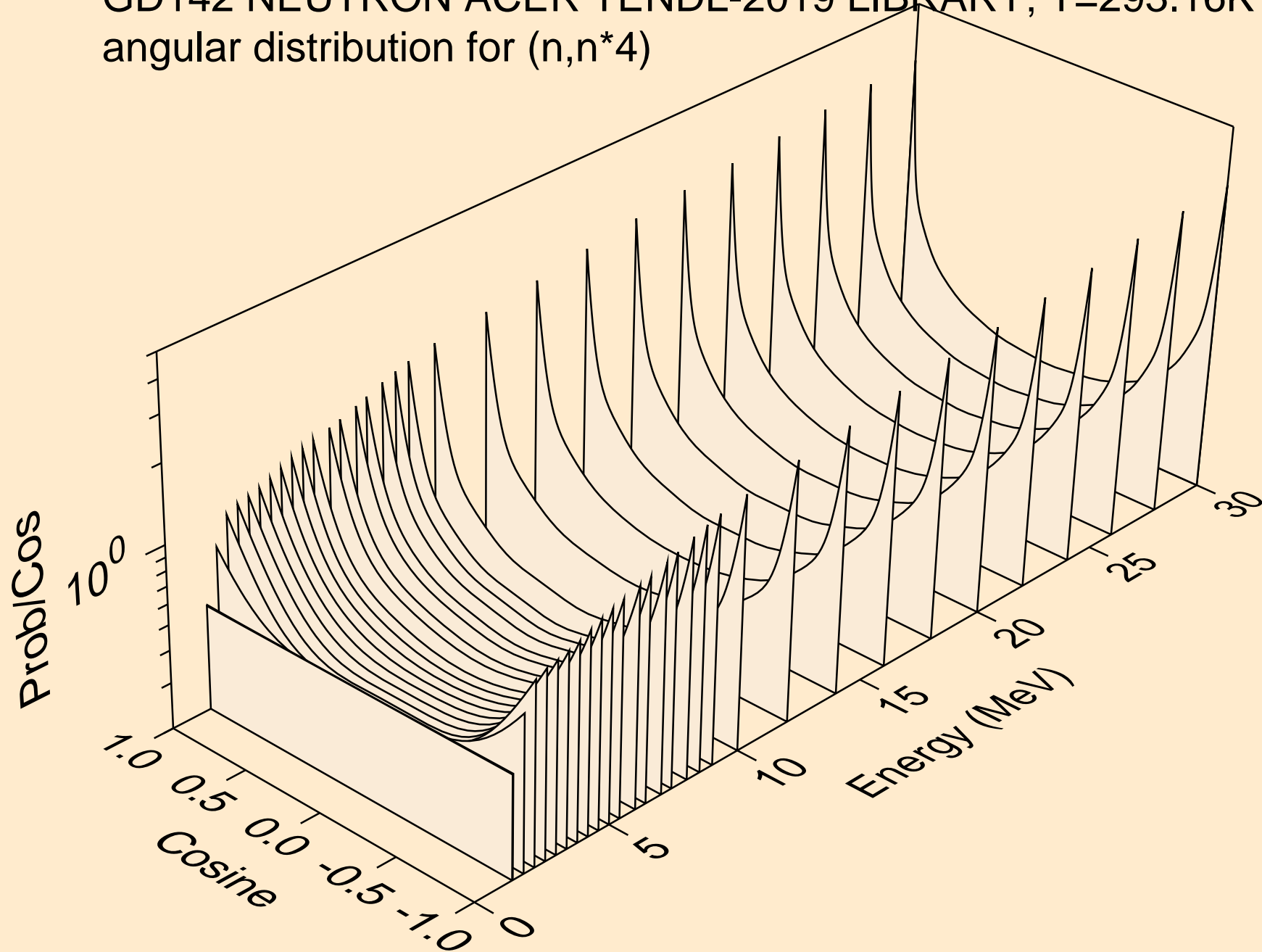
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



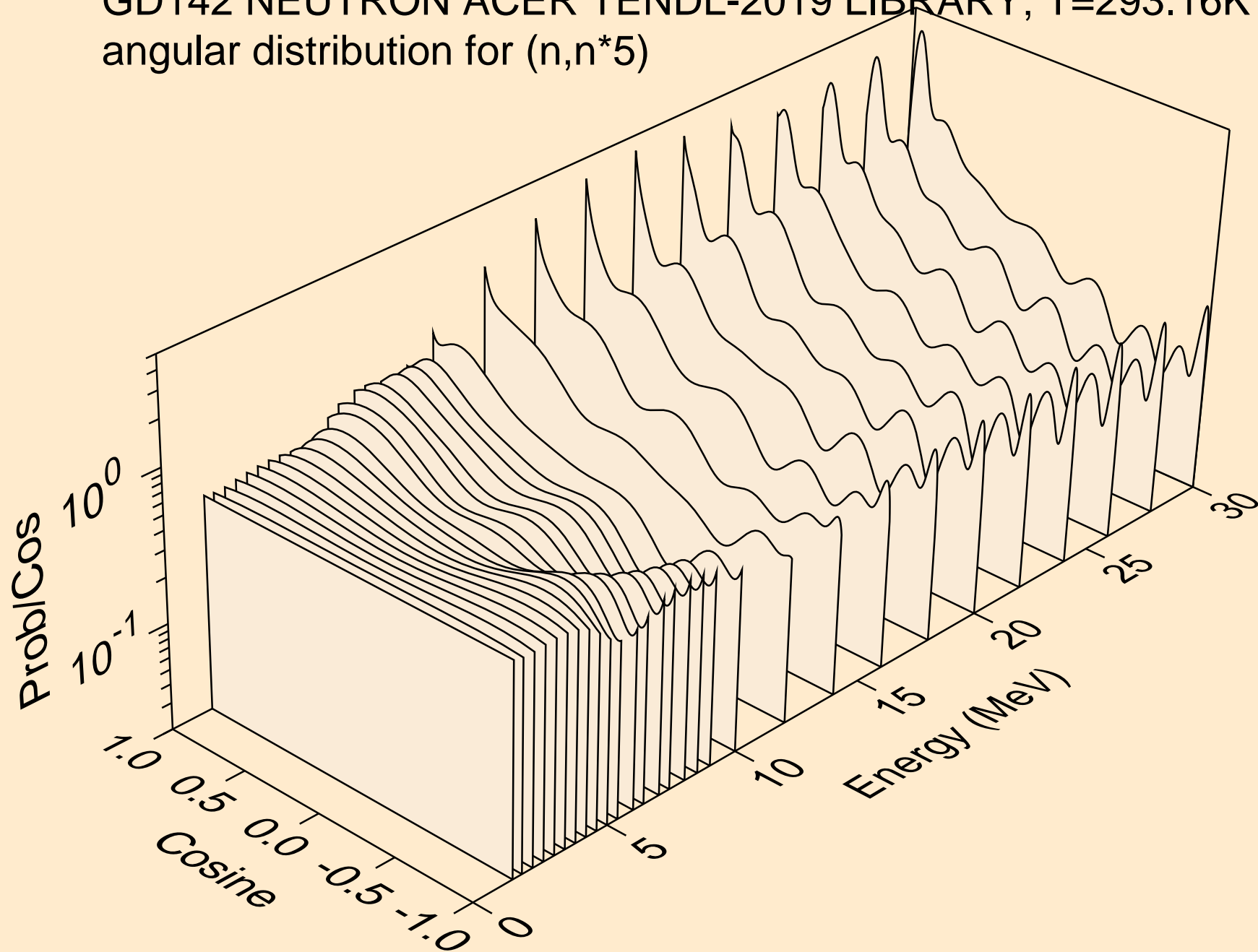
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*3)



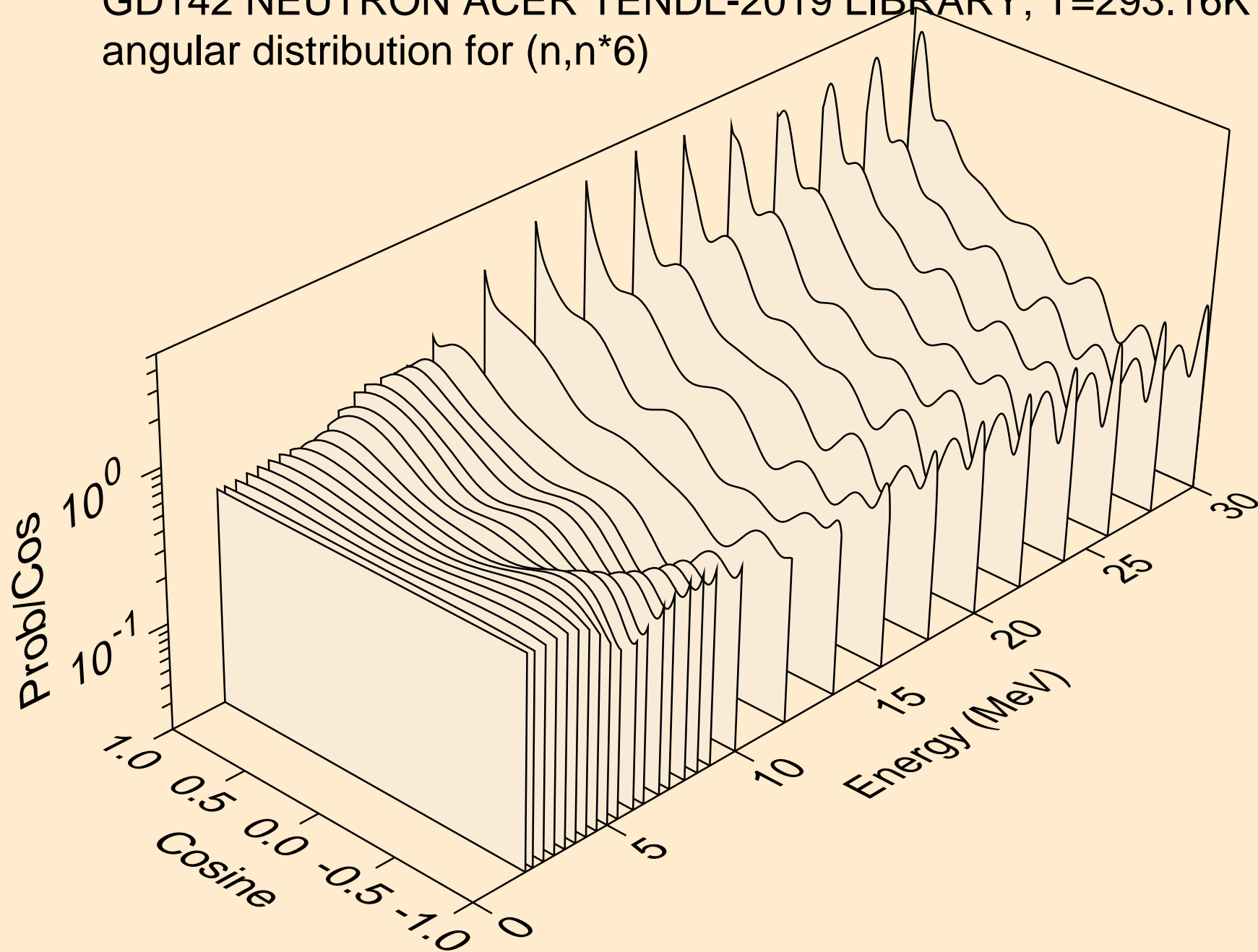
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angular distribution for (n,n*4)



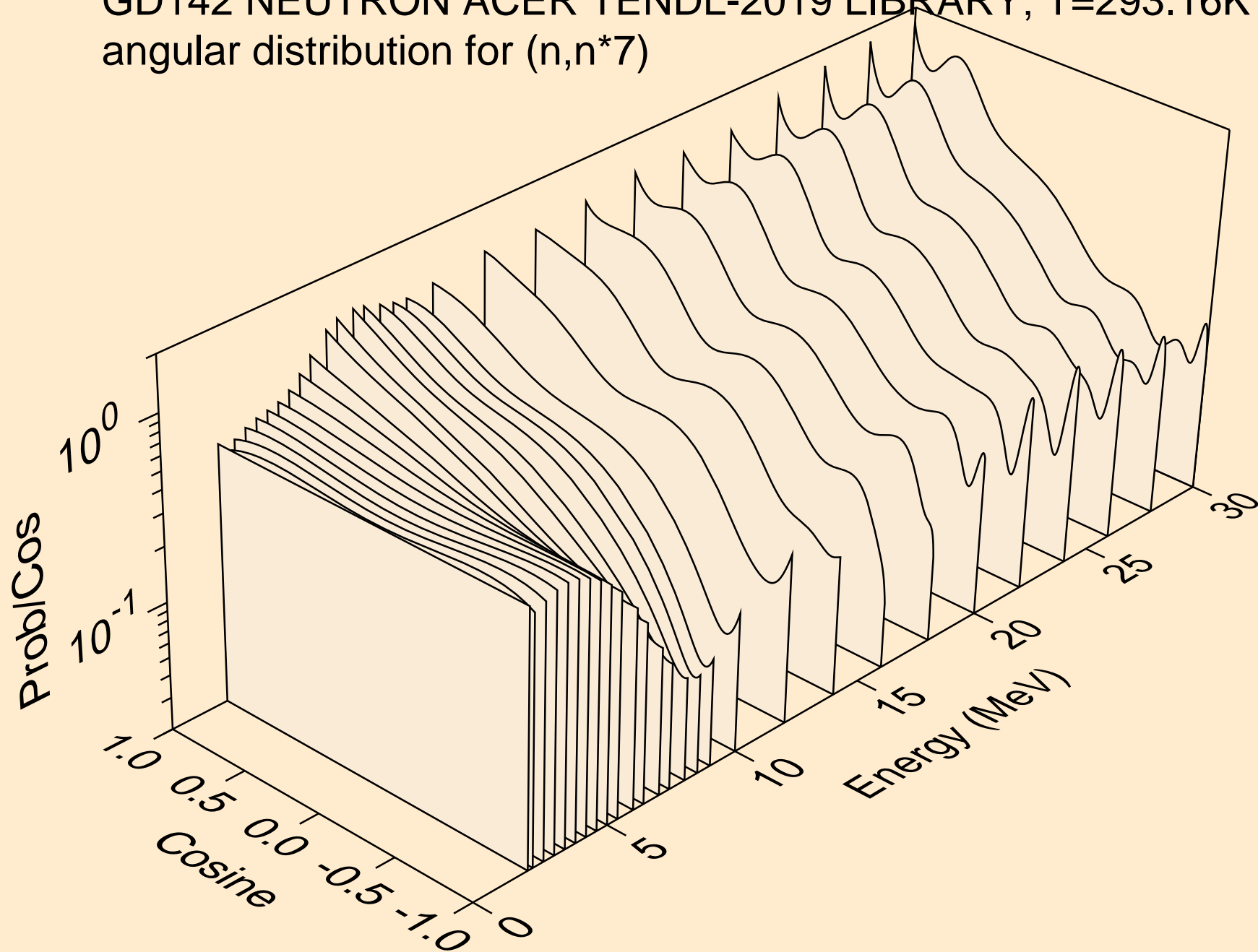
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angular distribution for (n,n*5)



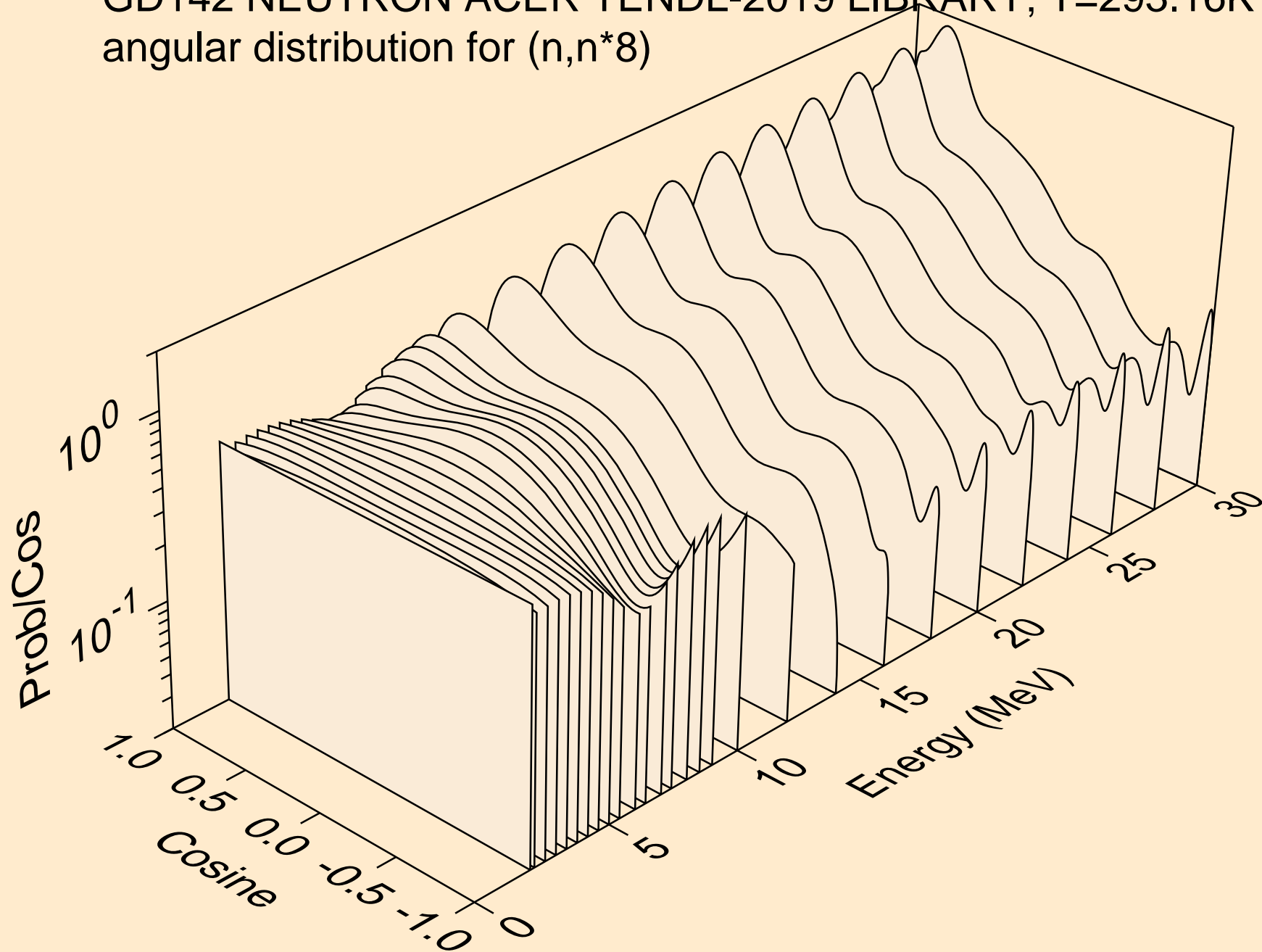
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angular distribution for (n,n*6)



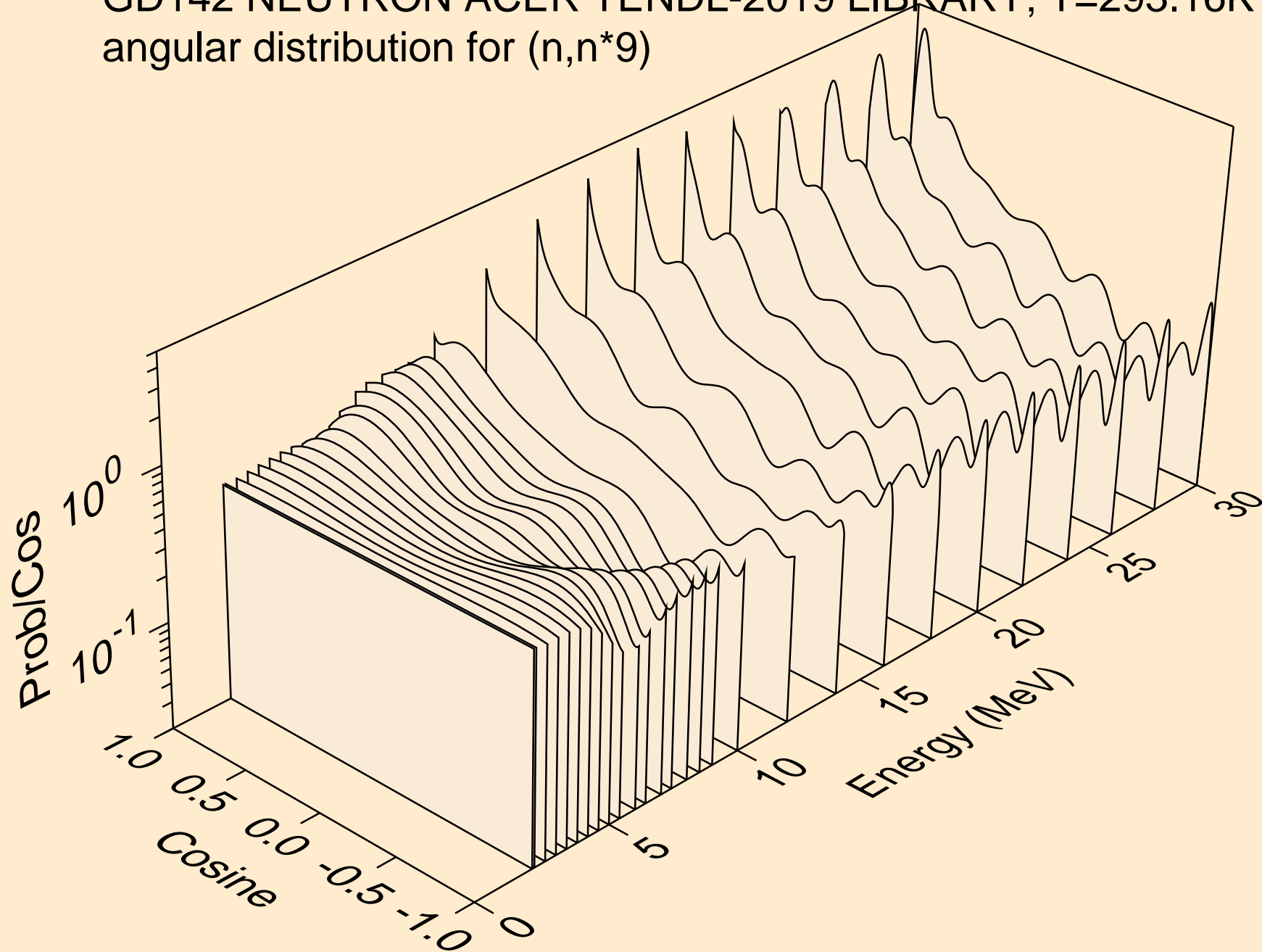
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angular distribution for (n,n*7)



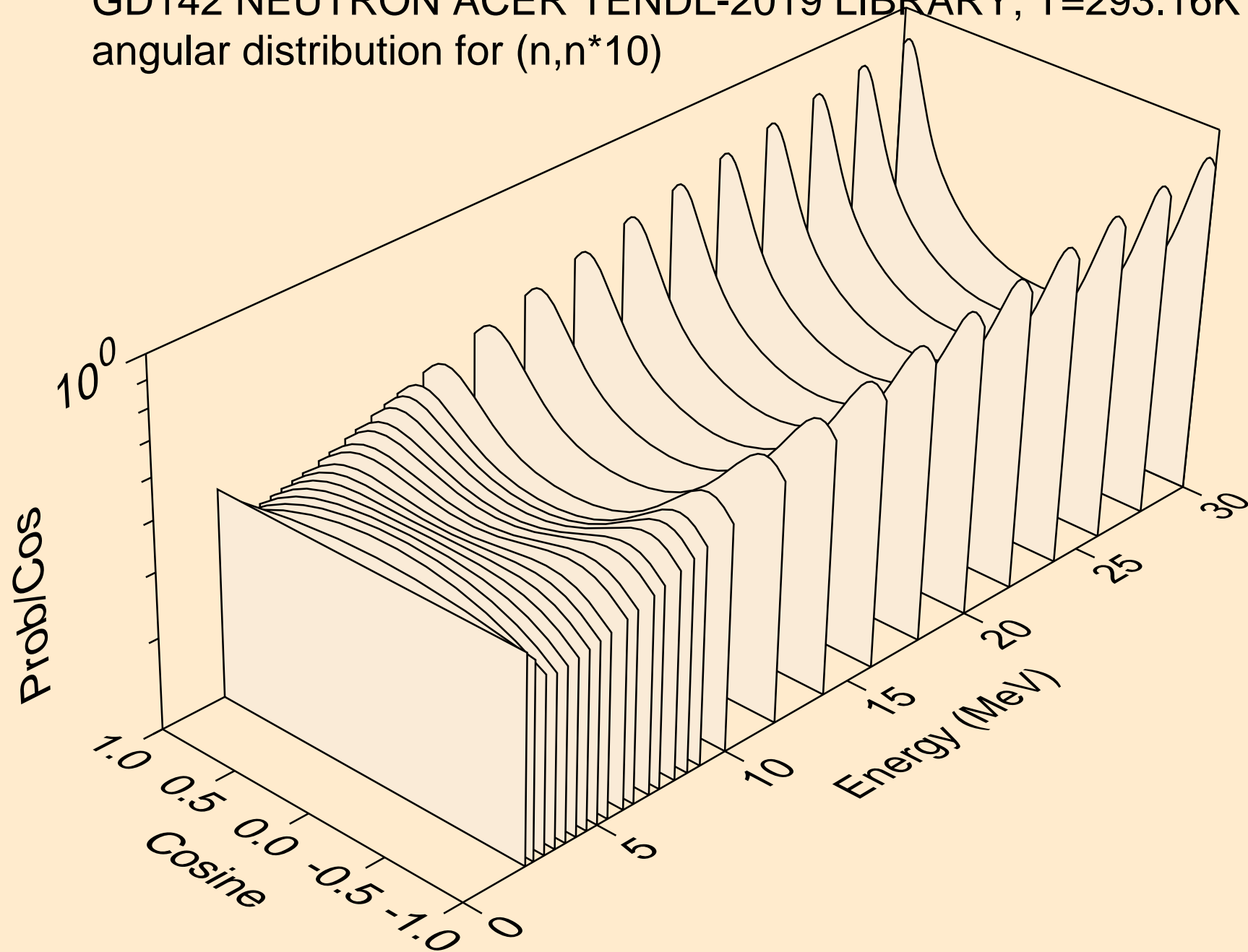
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angular distribution for (n,n*8)



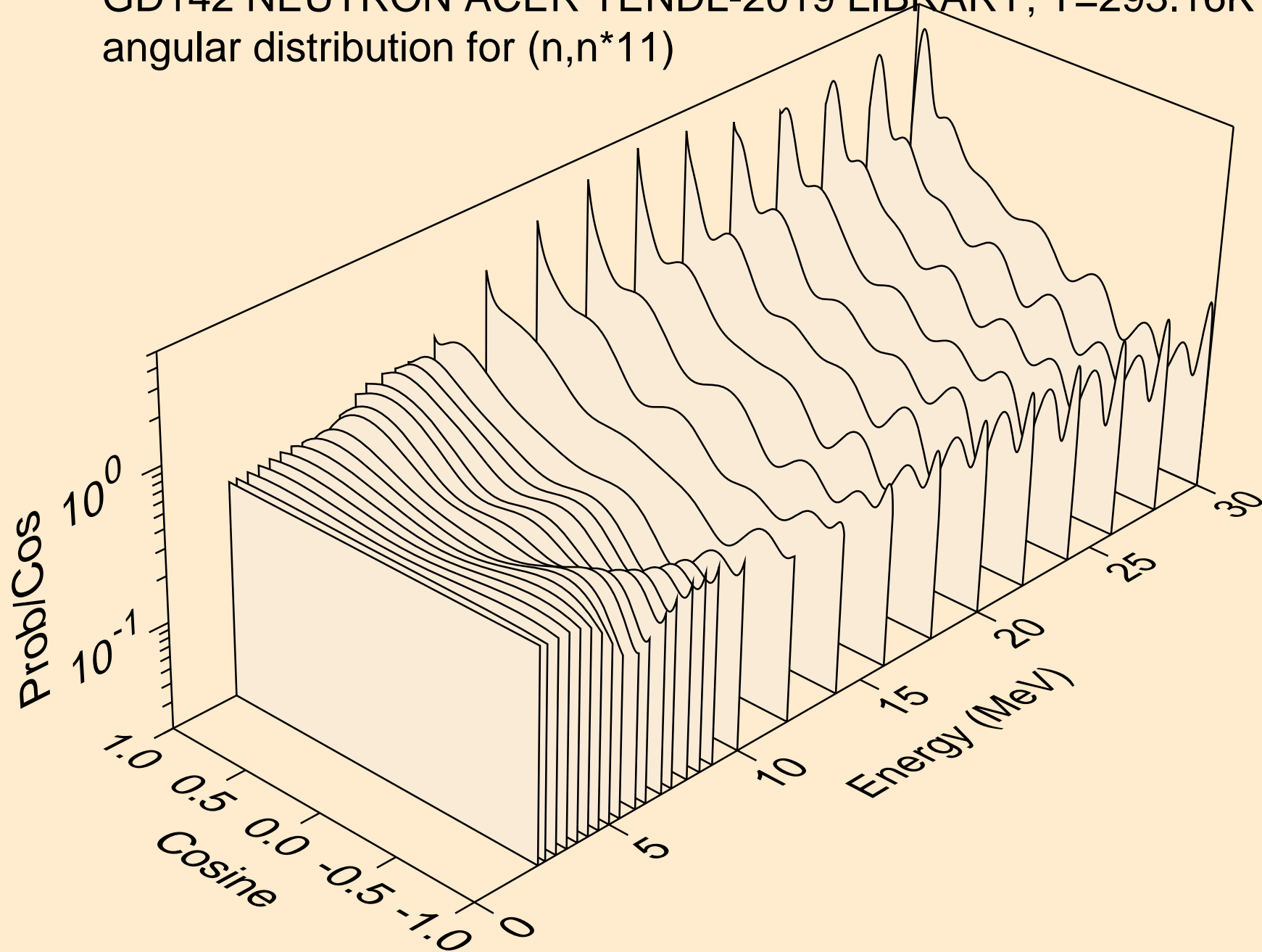
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angular distribution for (n,n*9)



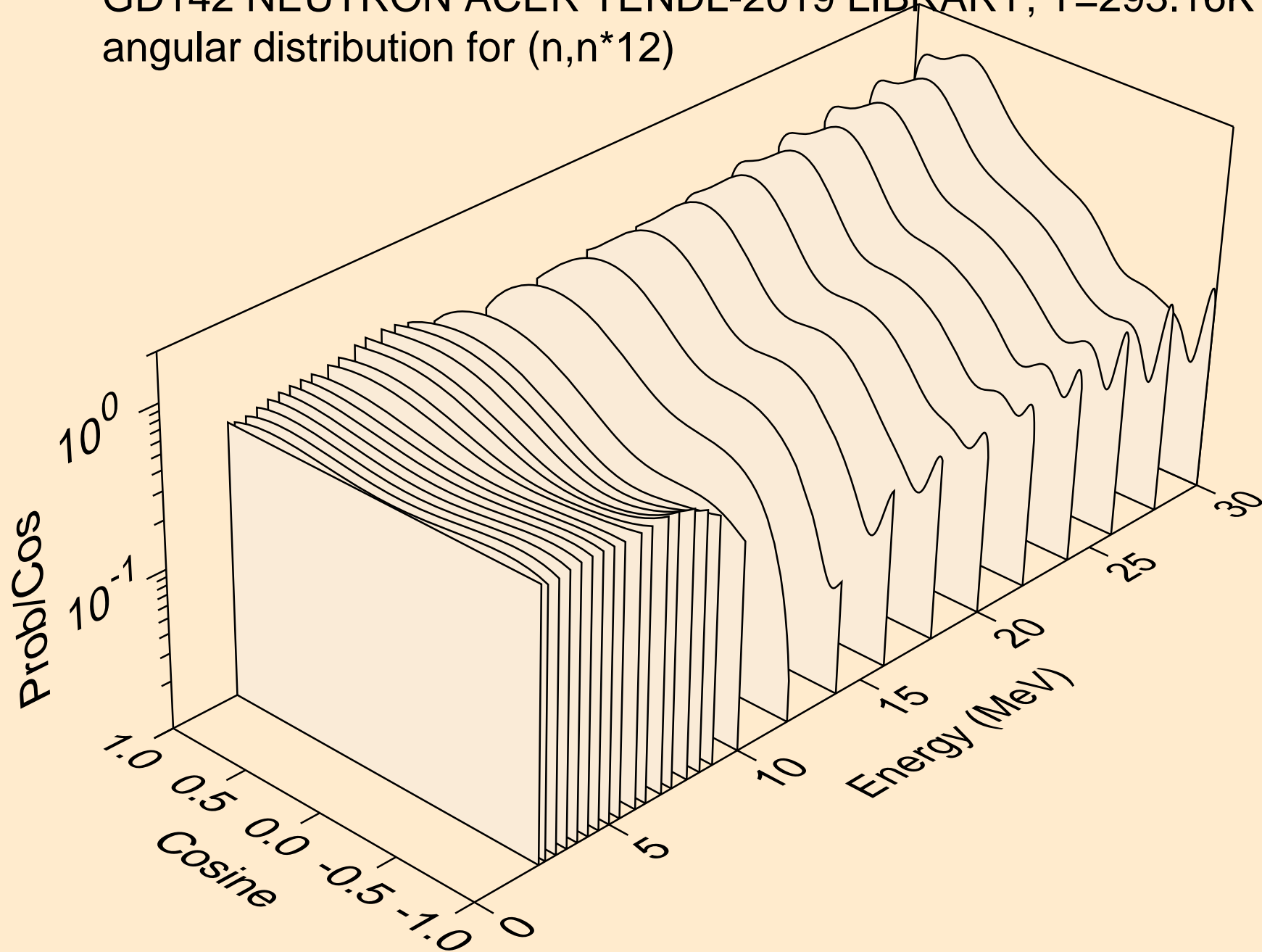
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angular distribution for (n,n*10)



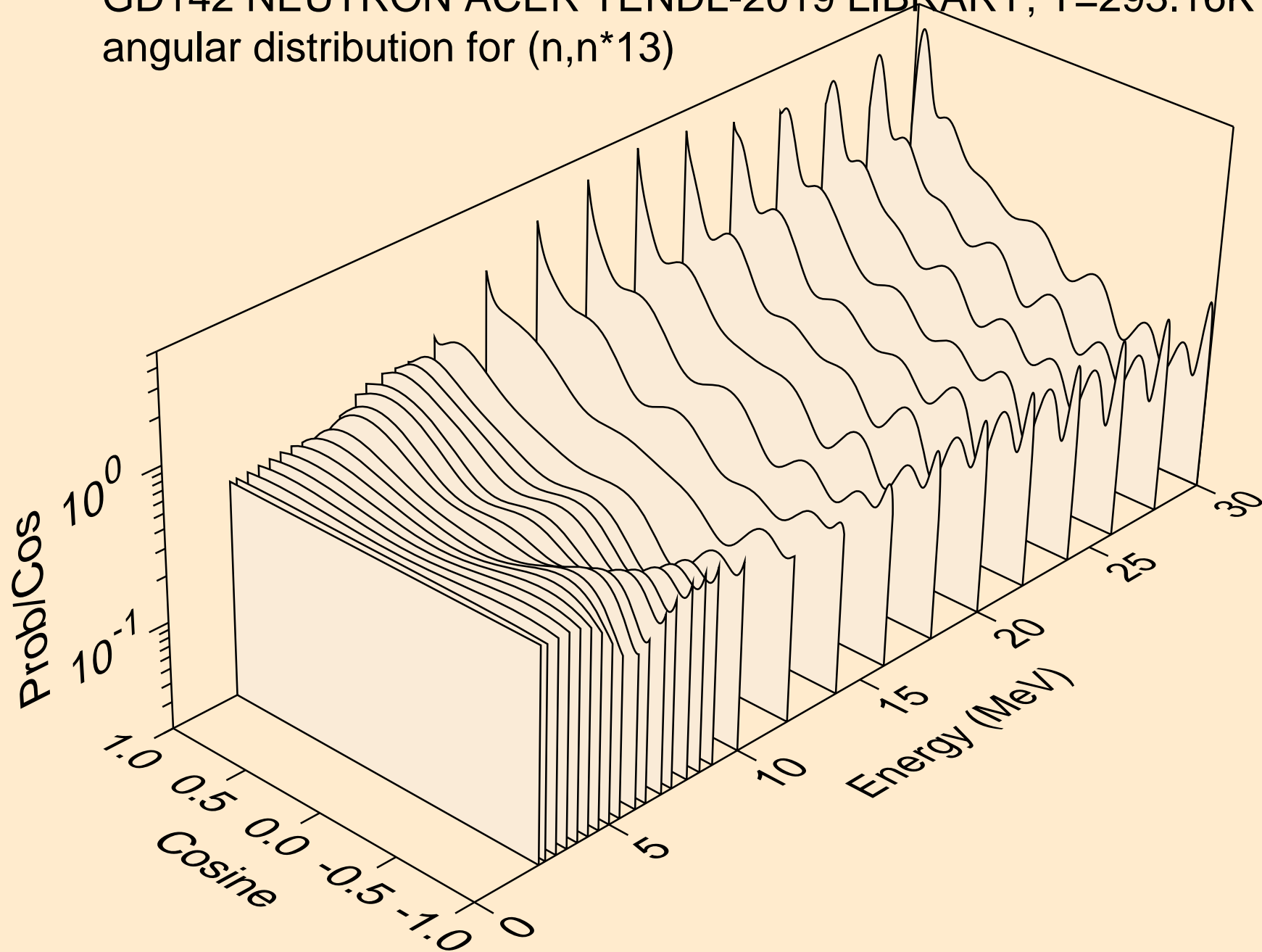
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



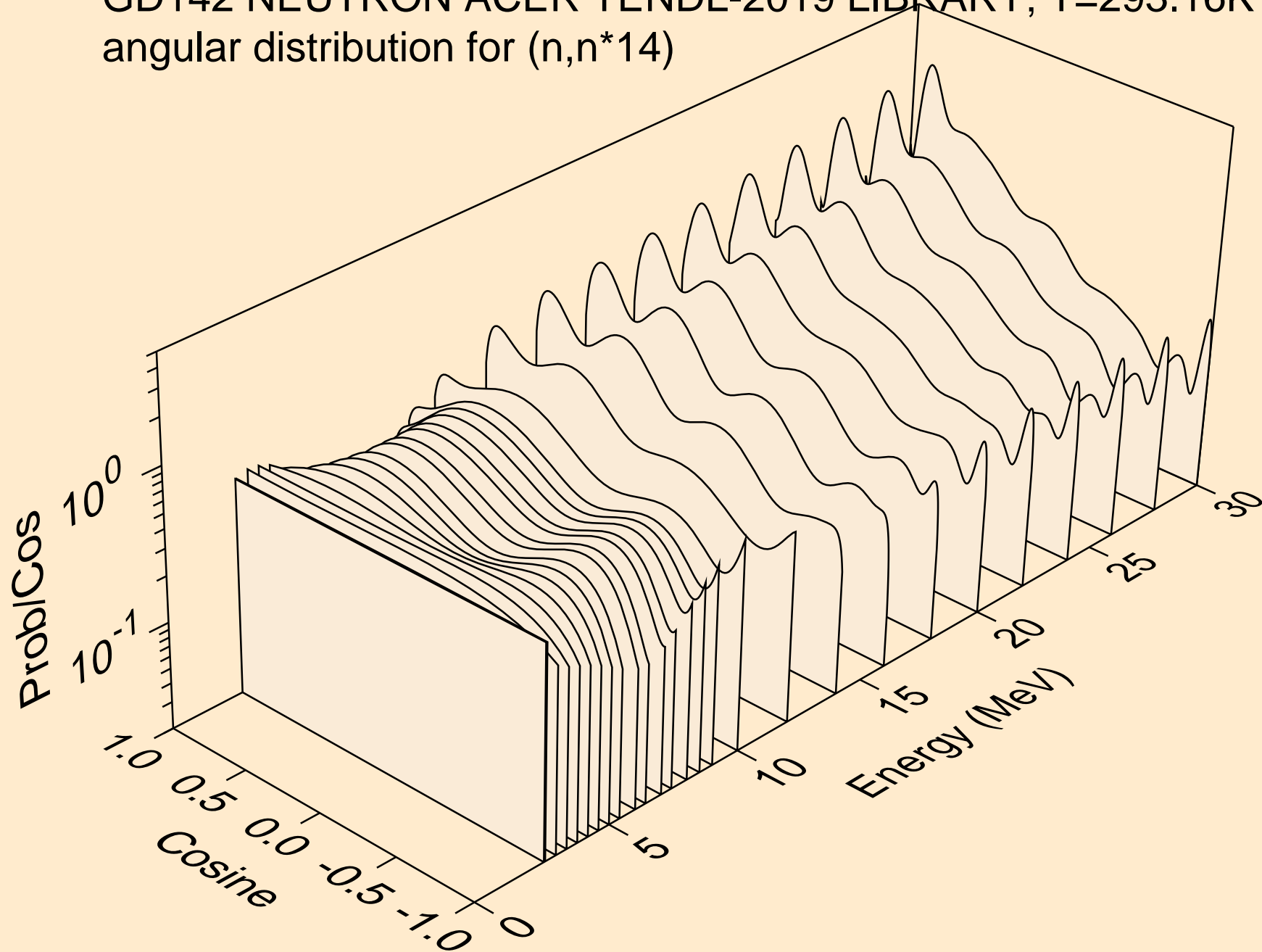
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angular distribution for (n,n*12)



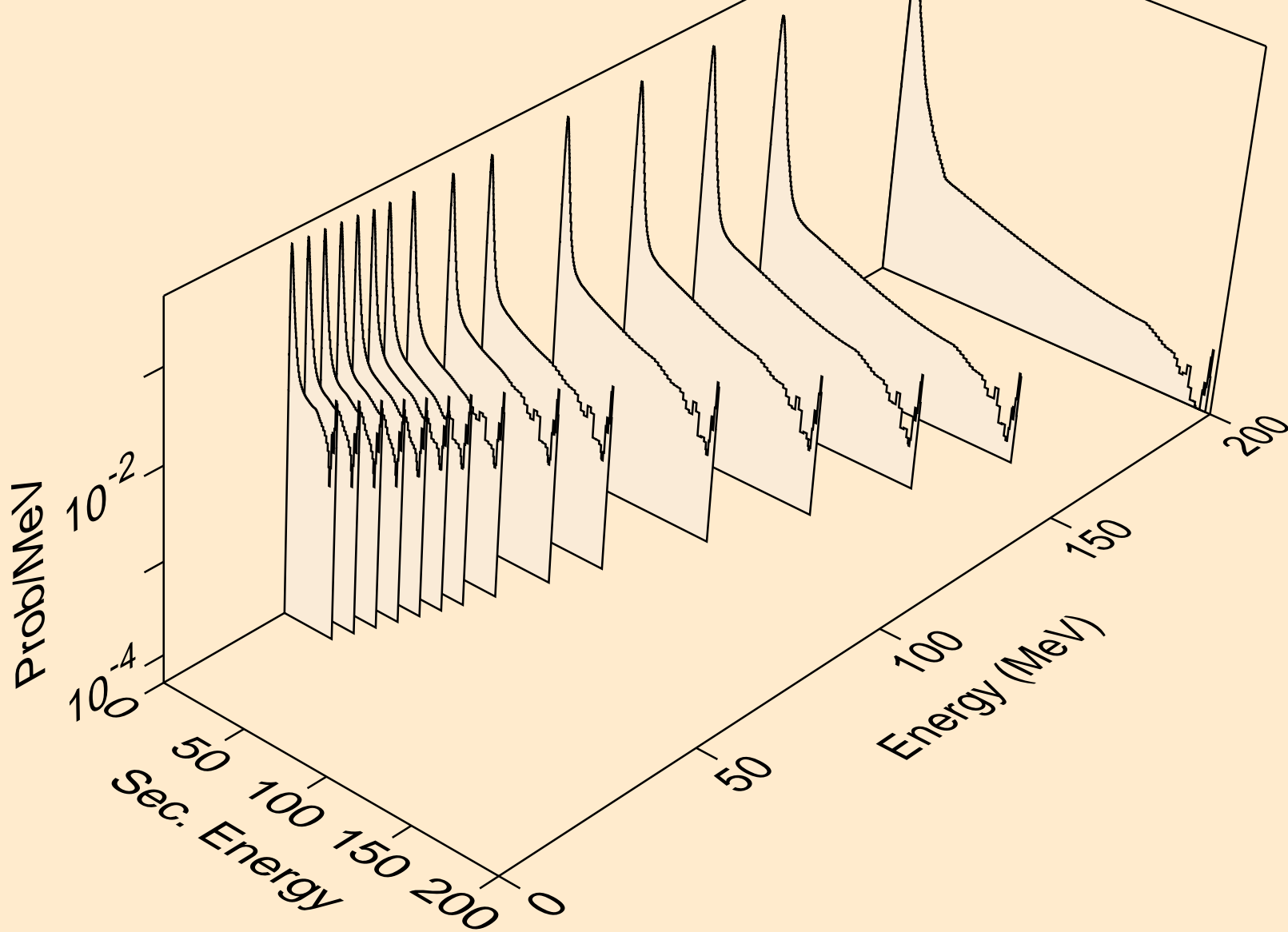
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*13)



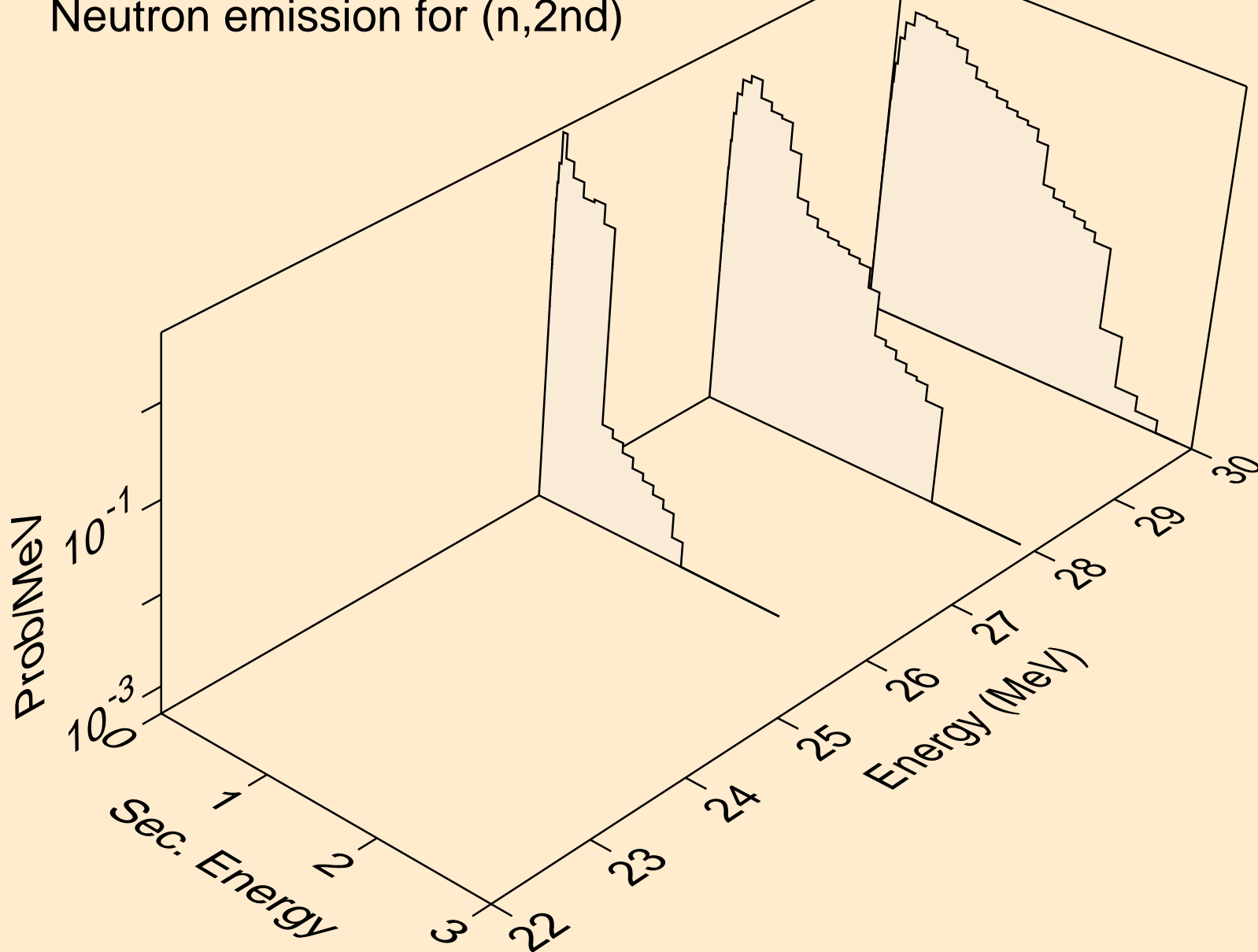
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



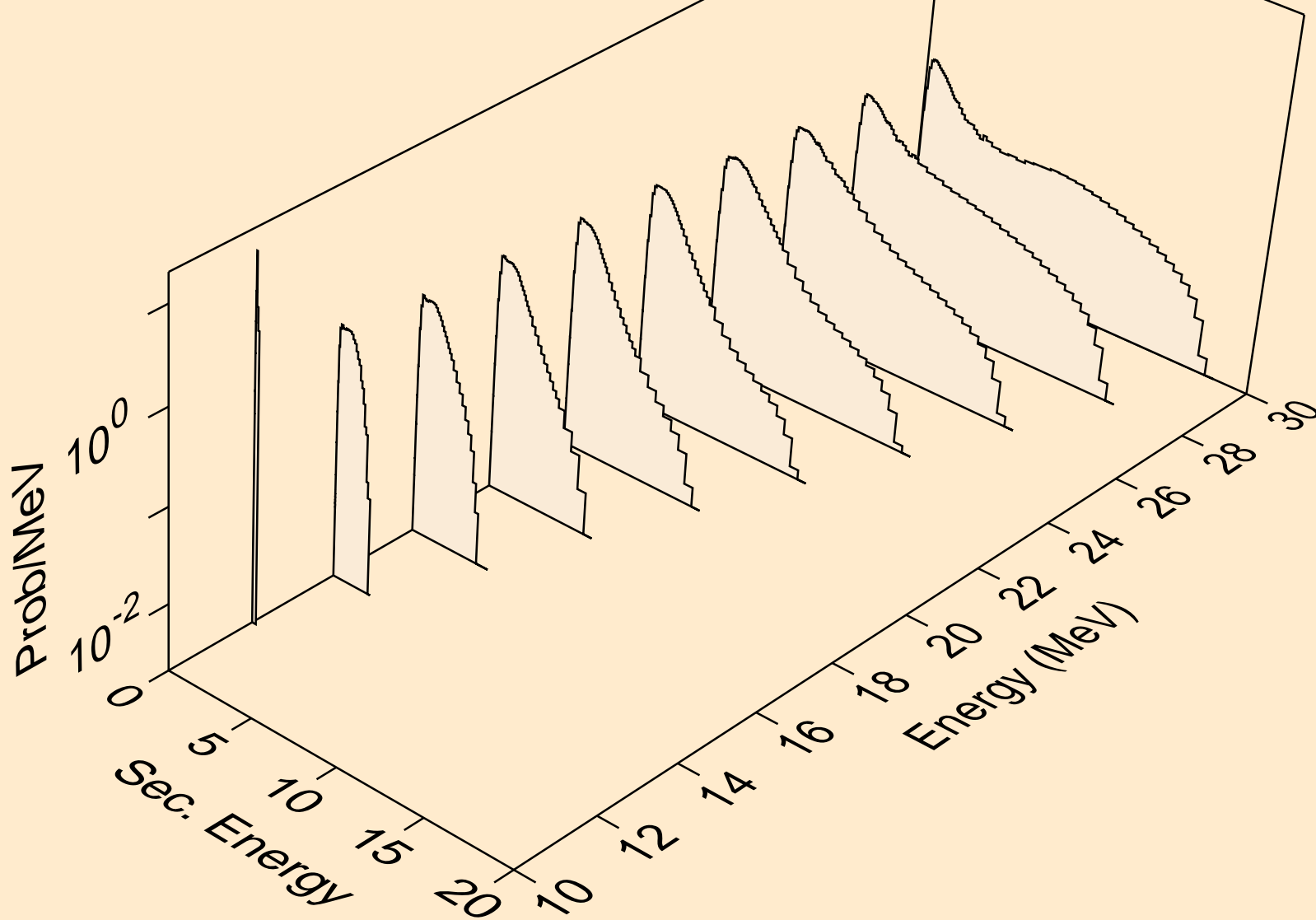
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



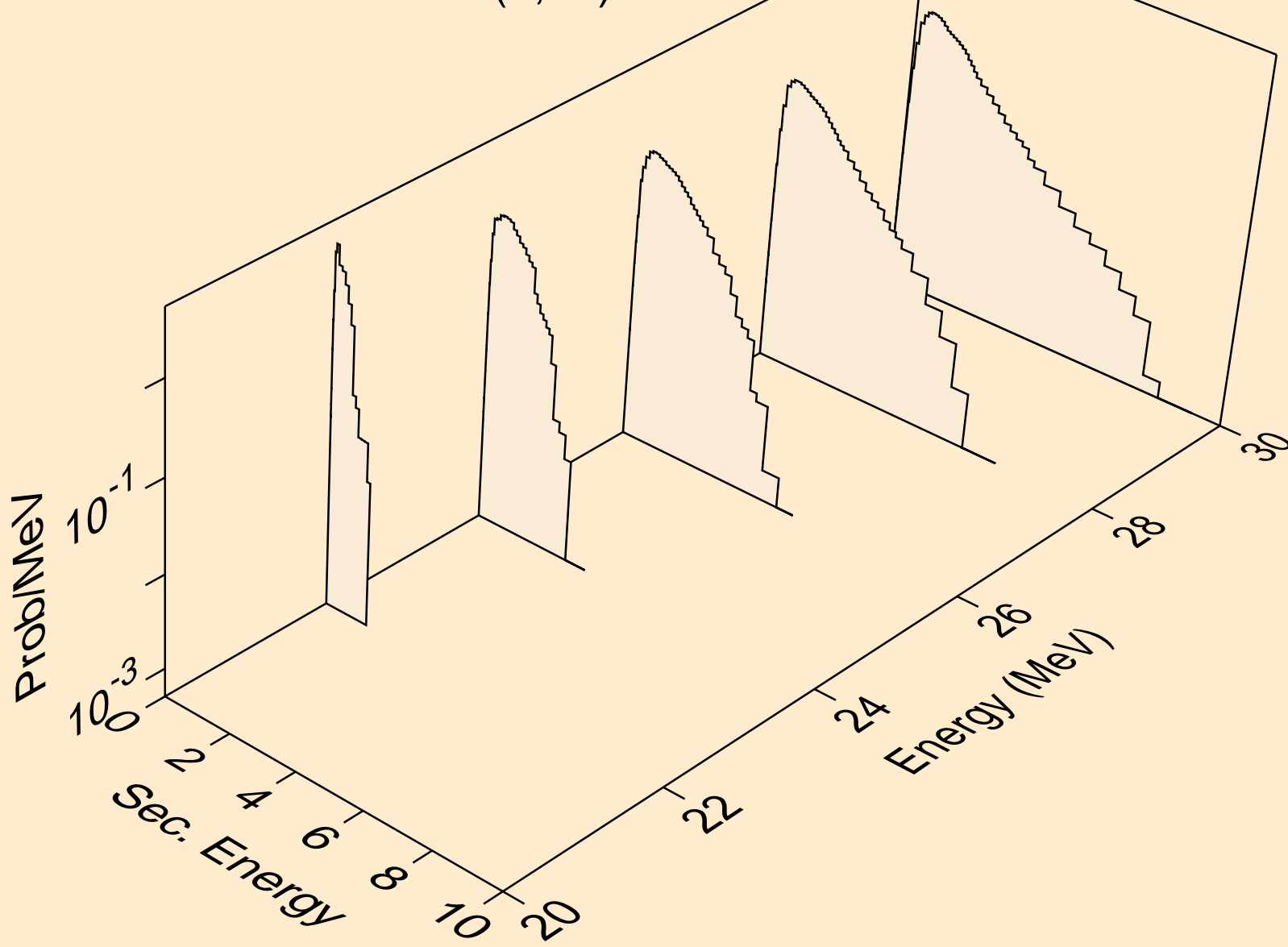
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



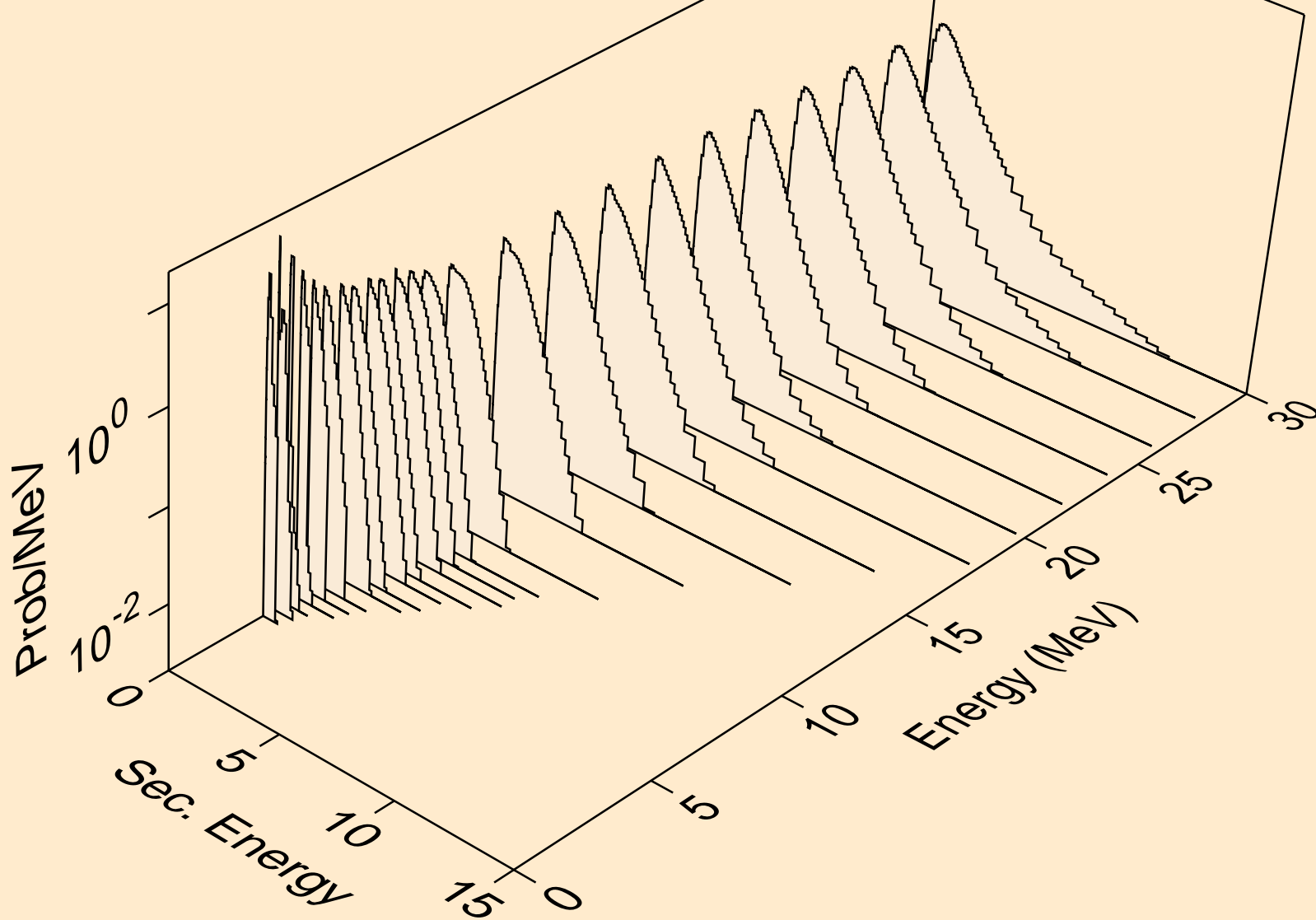
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



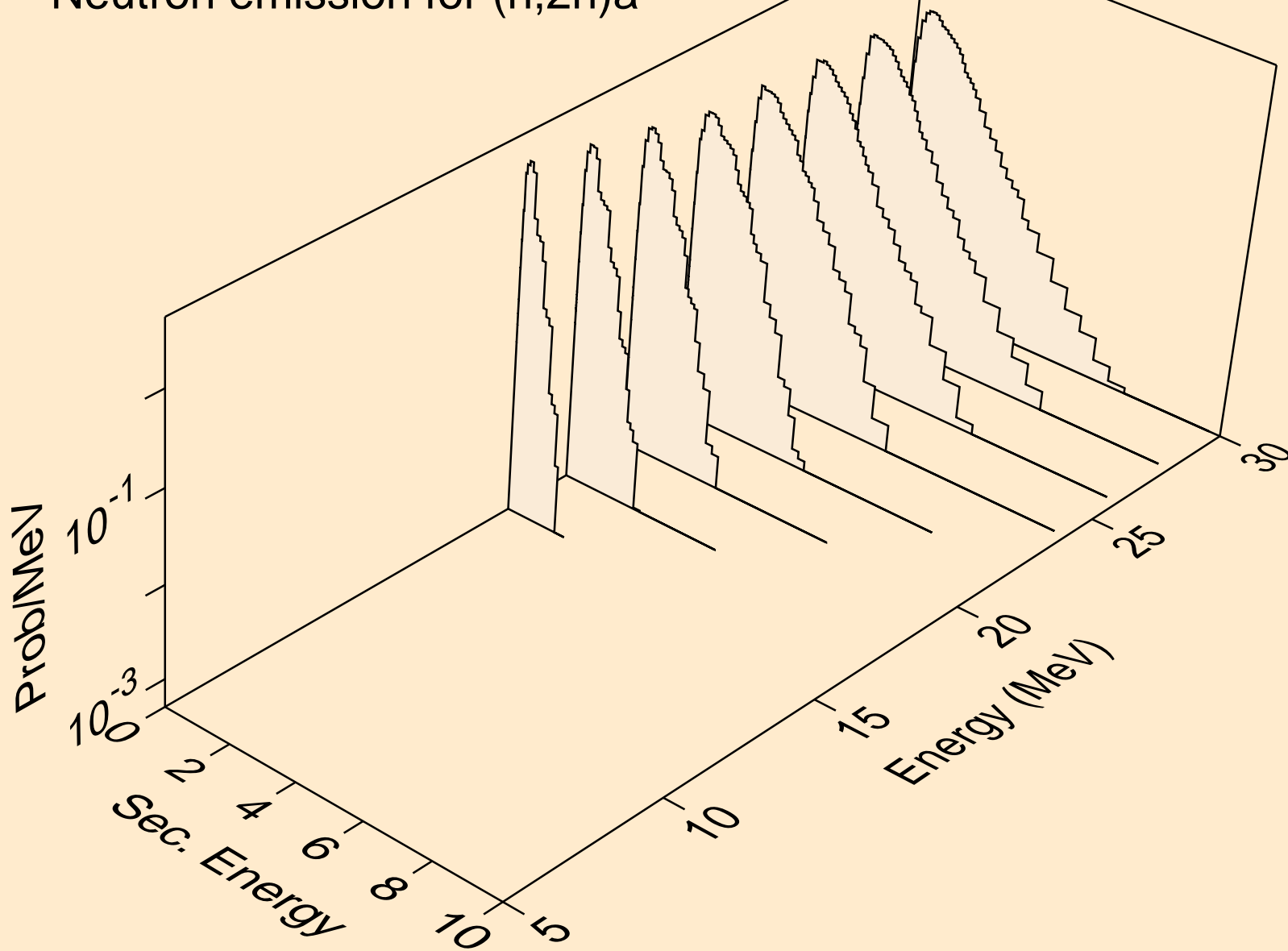
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



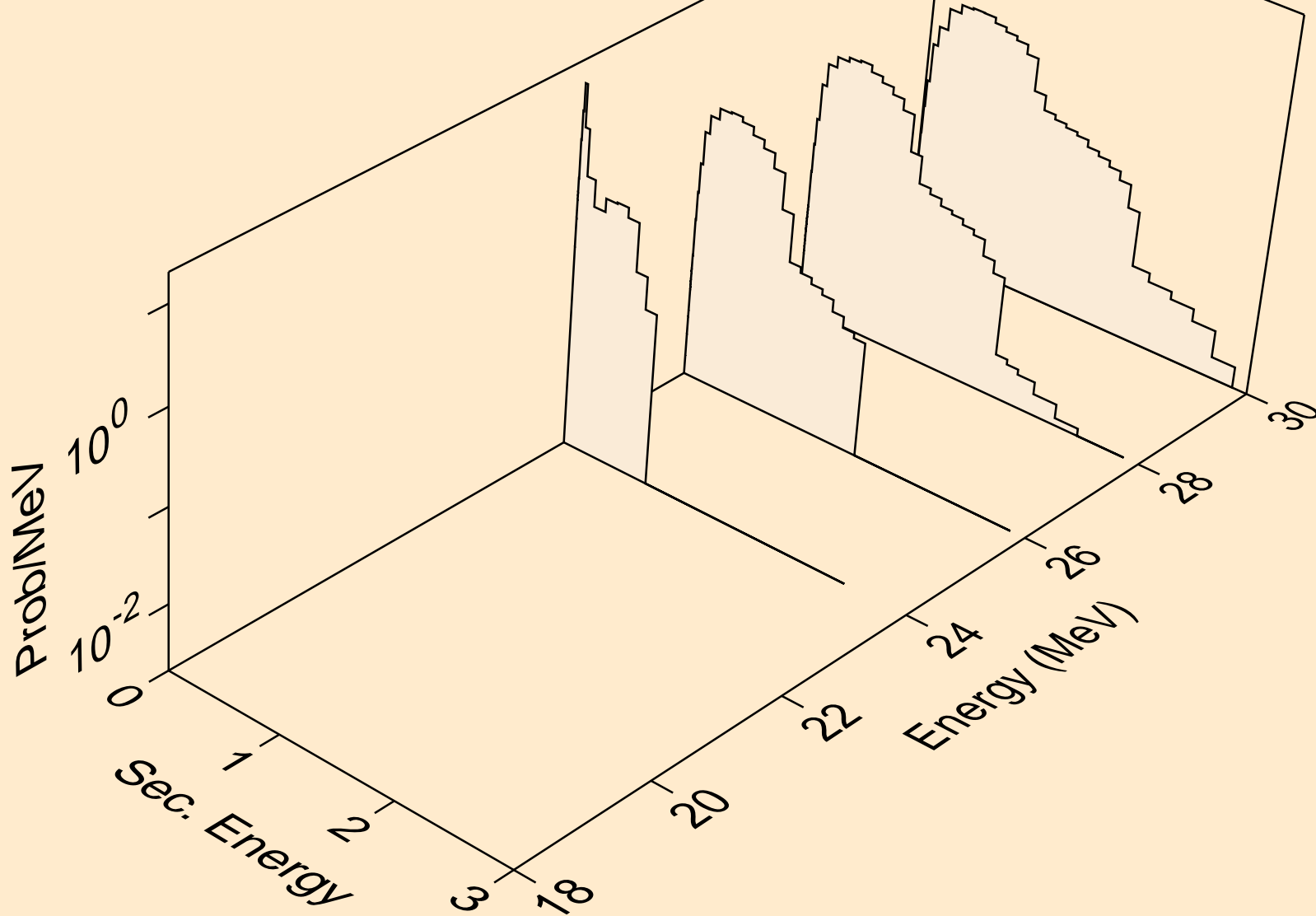
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



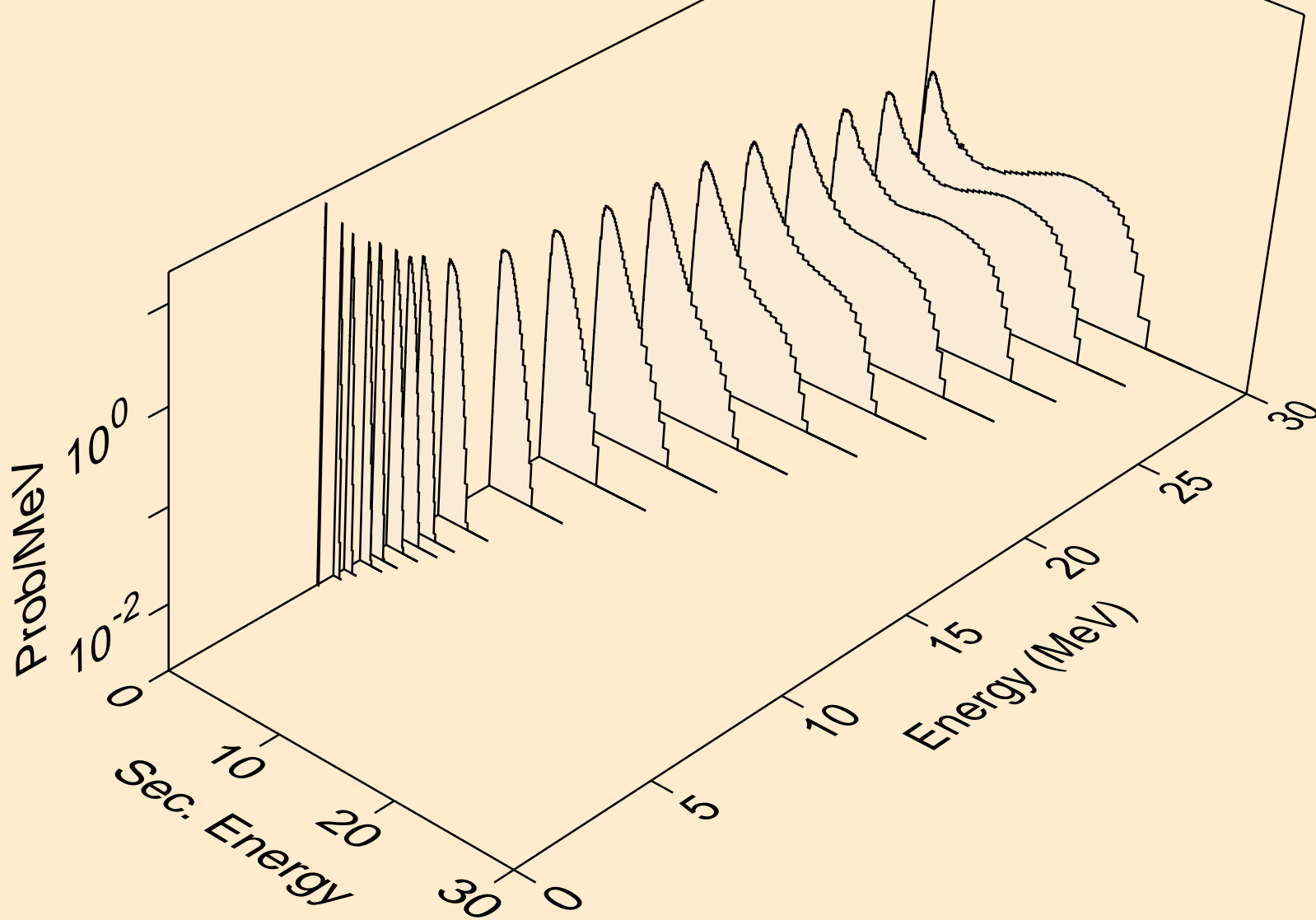
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



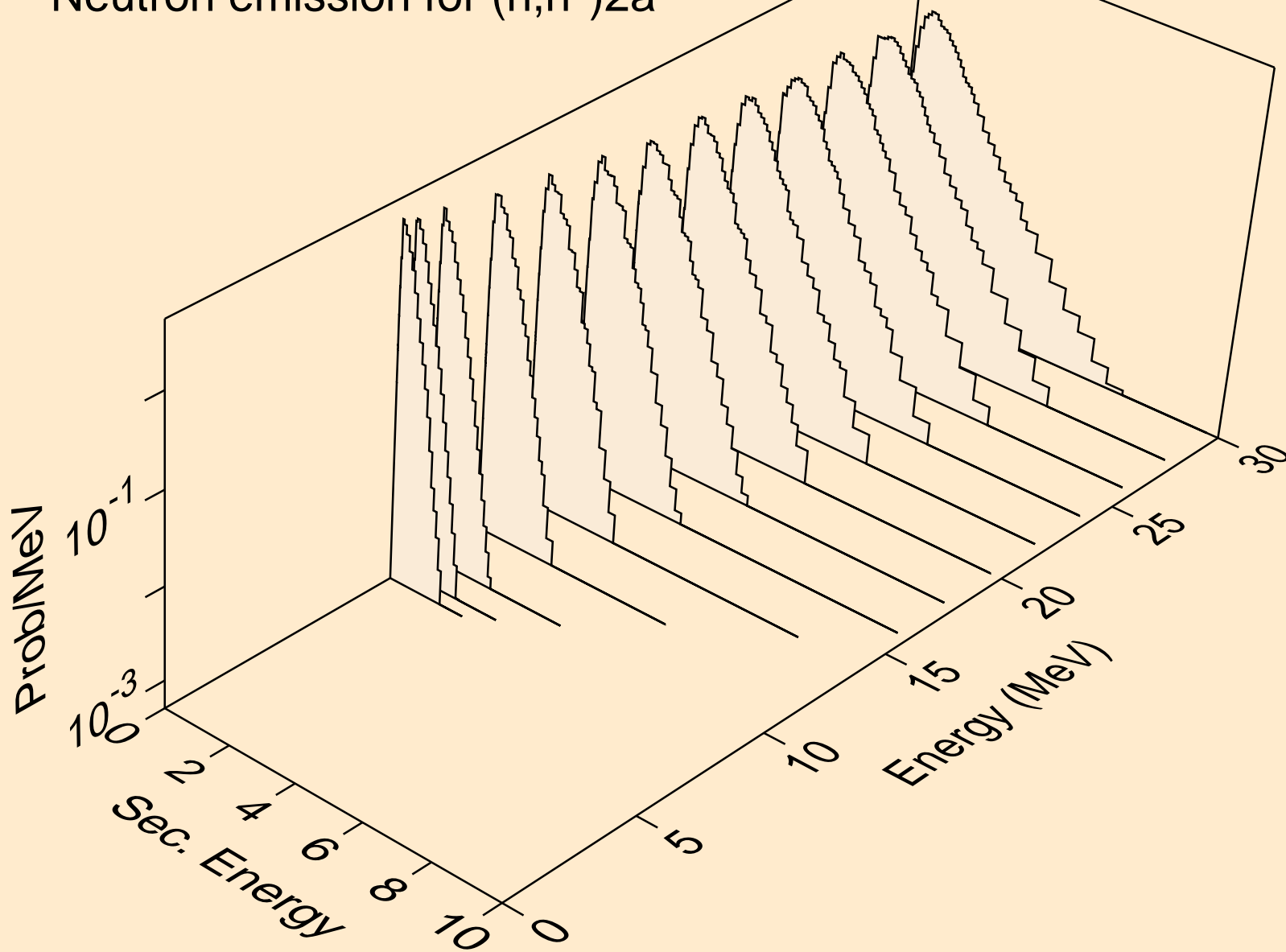
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



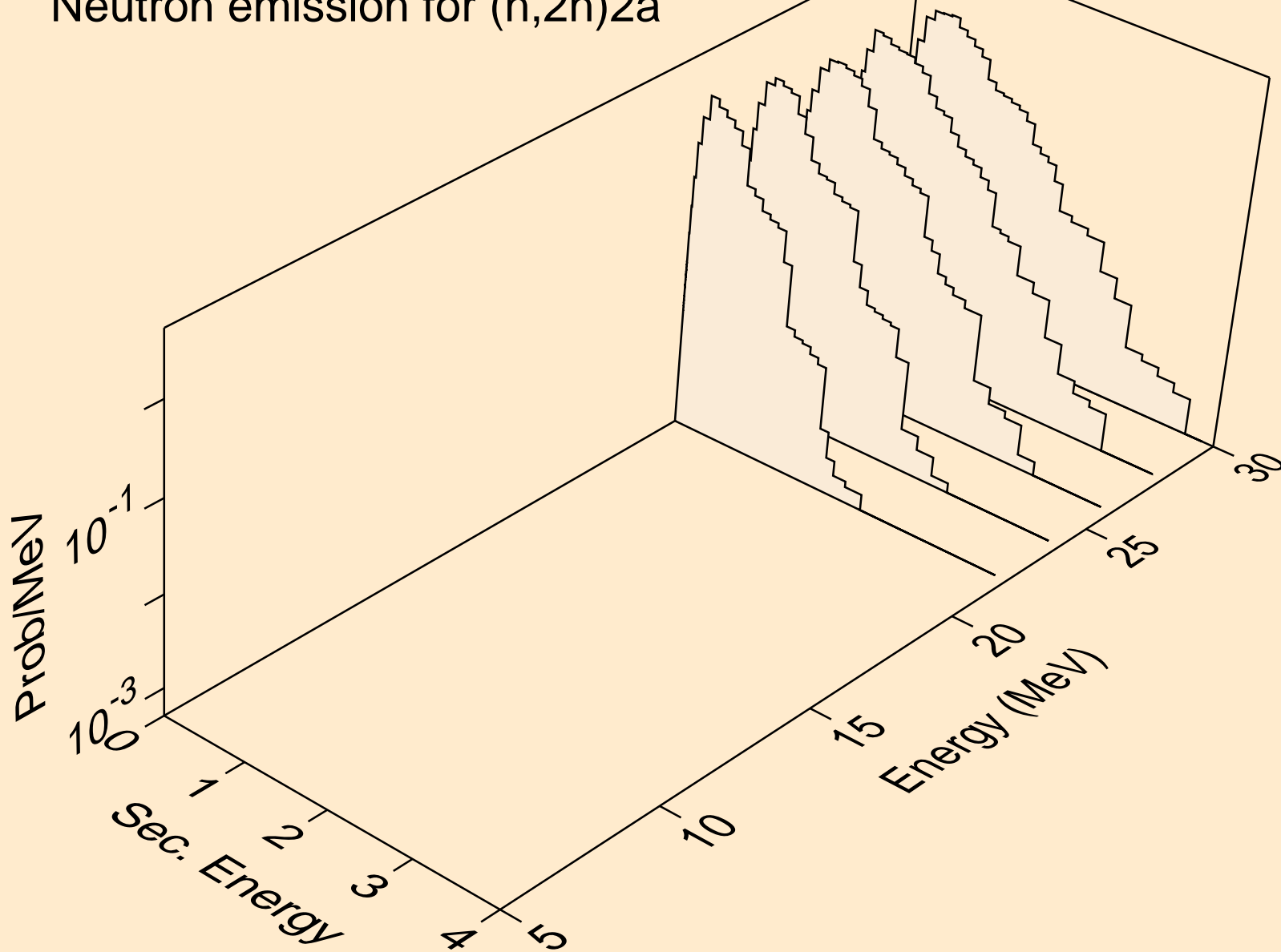
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



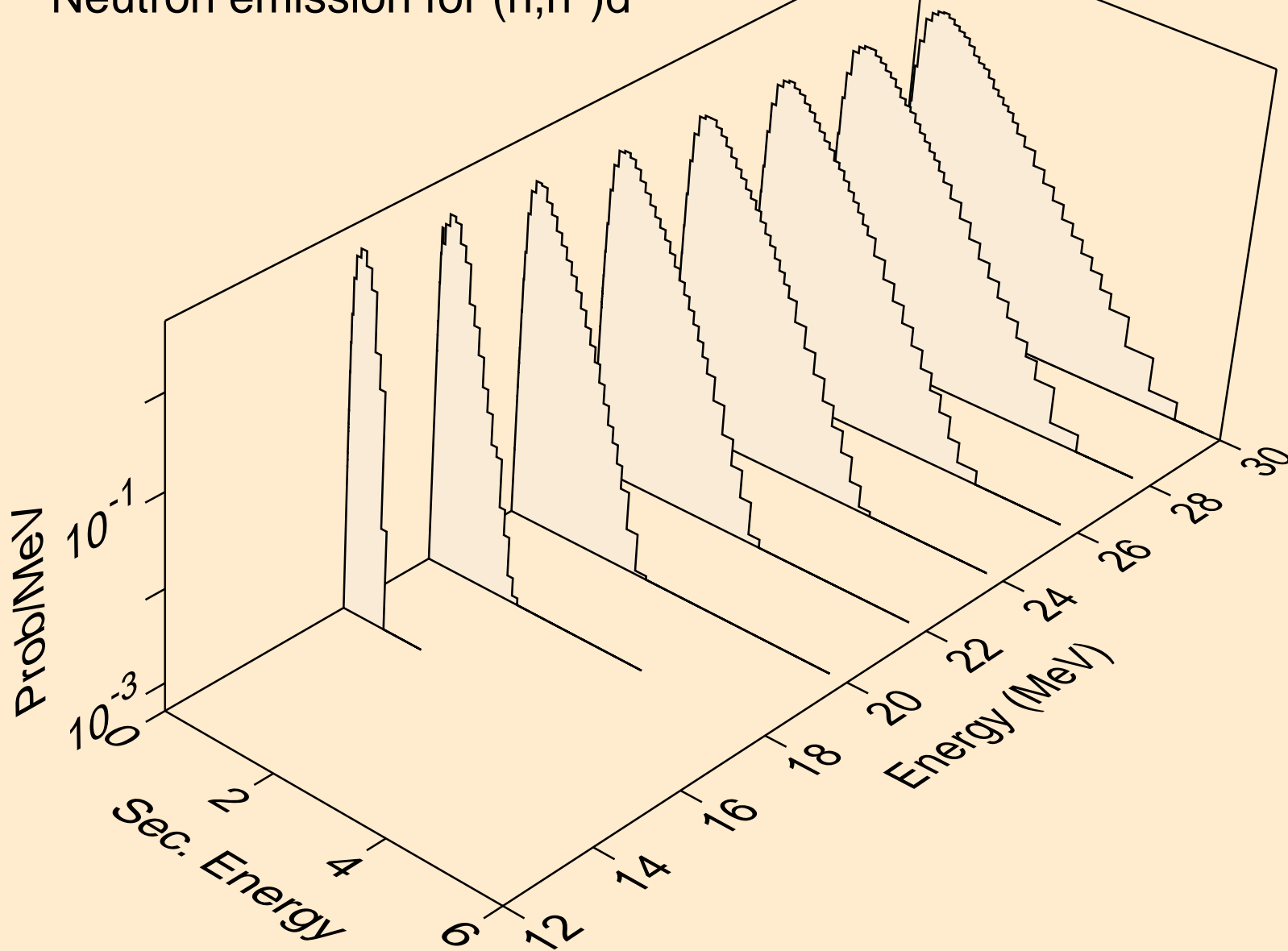
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Neutron emission for (n,n*)2a



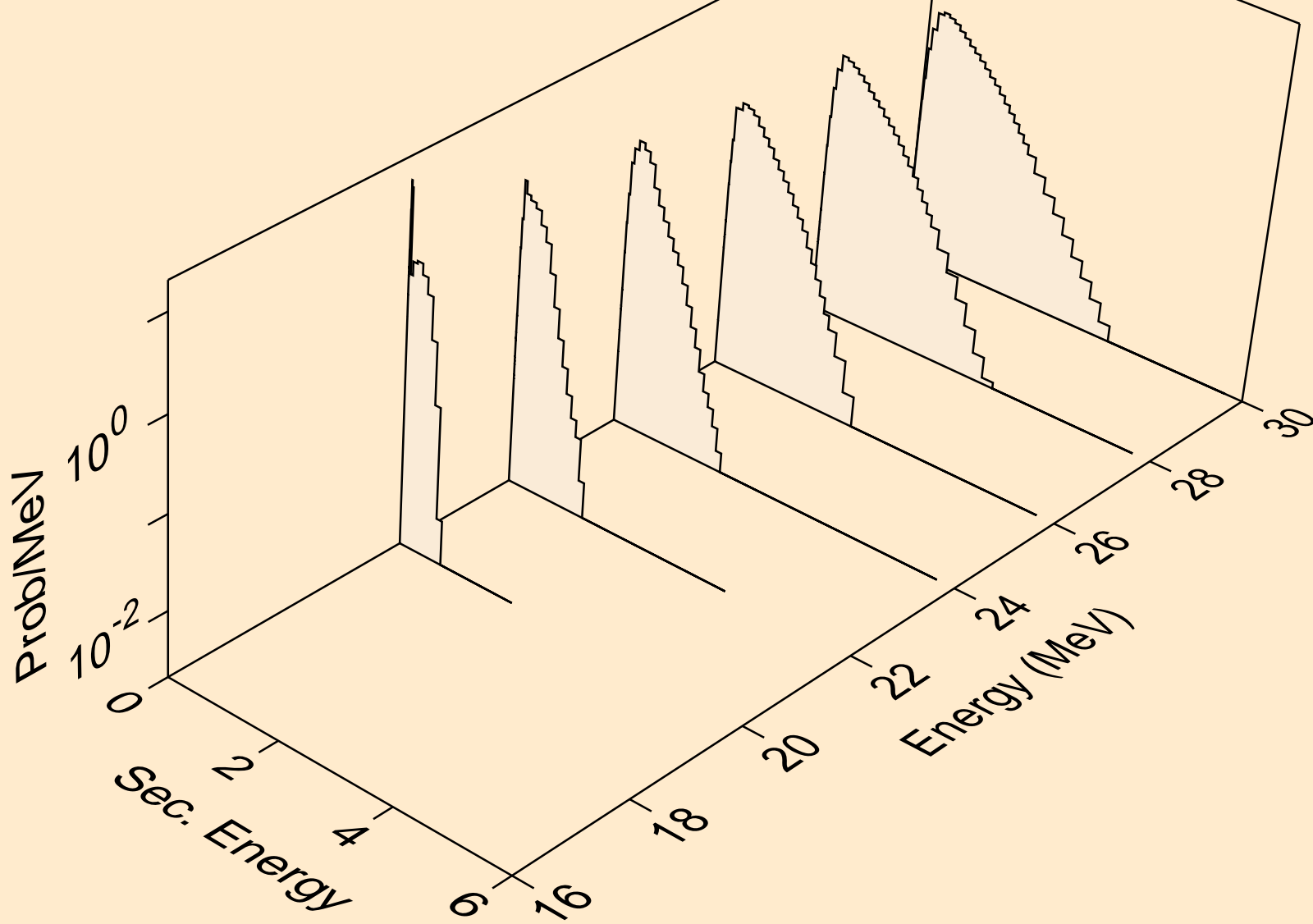
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



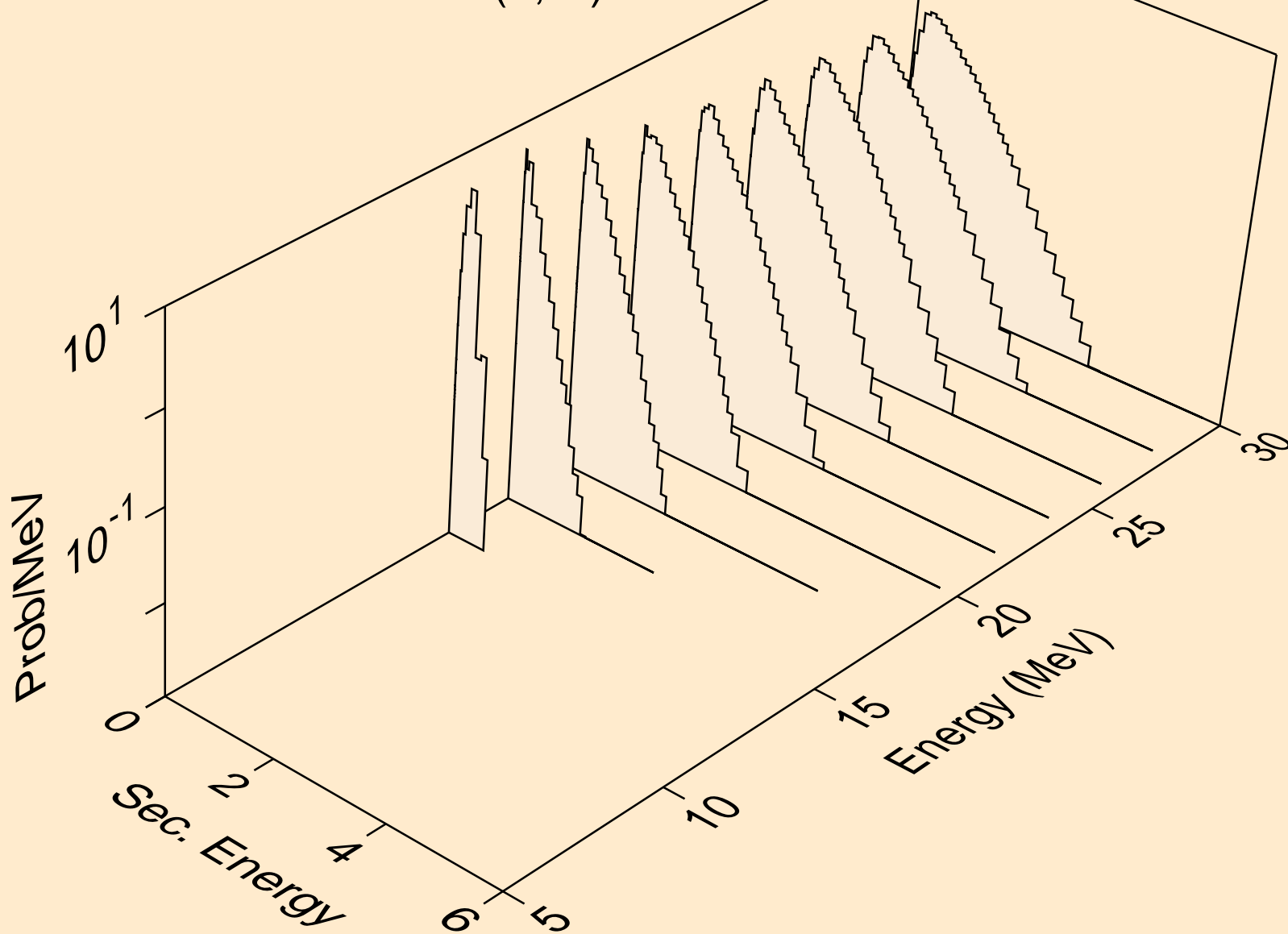
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



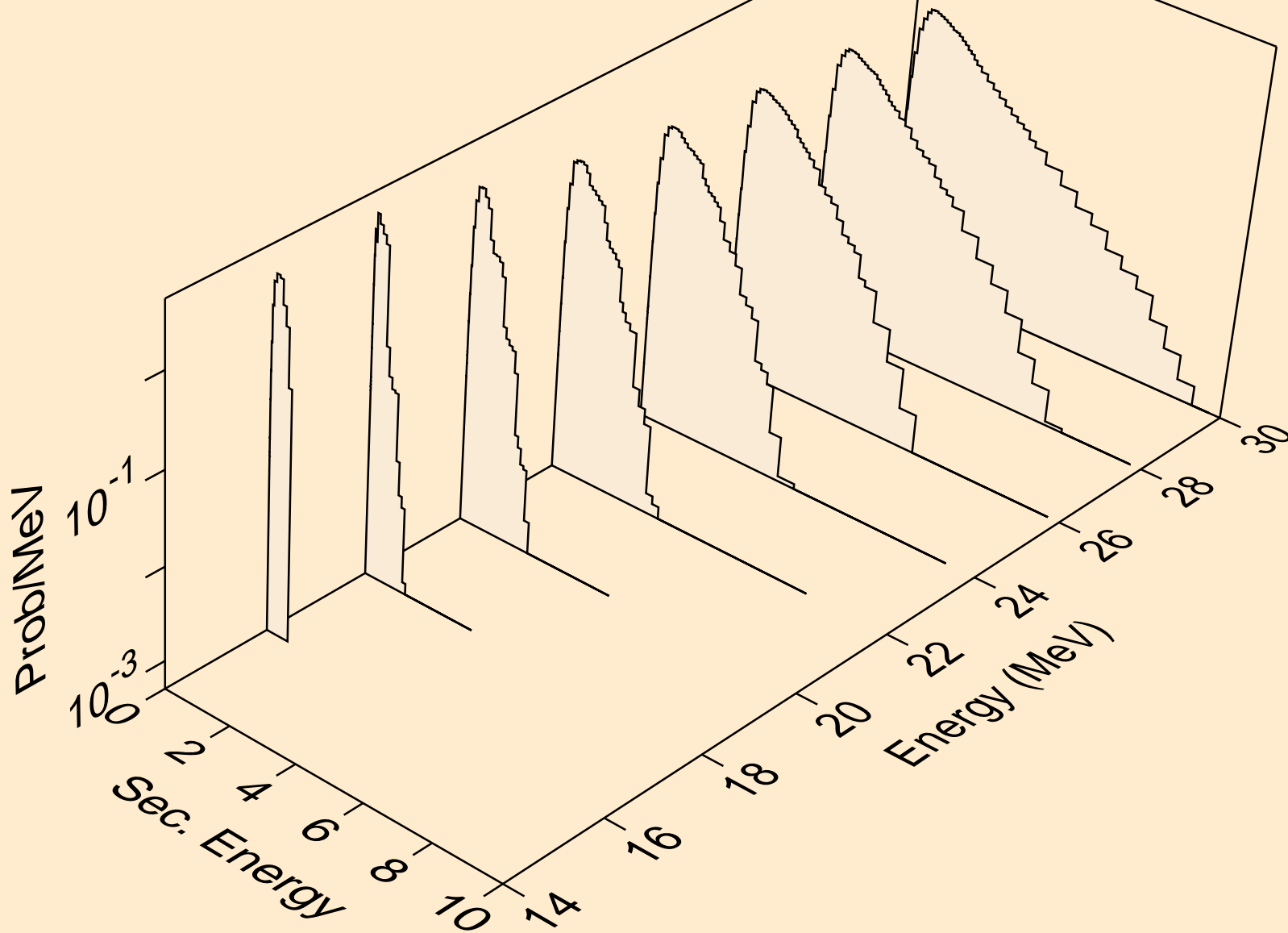
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



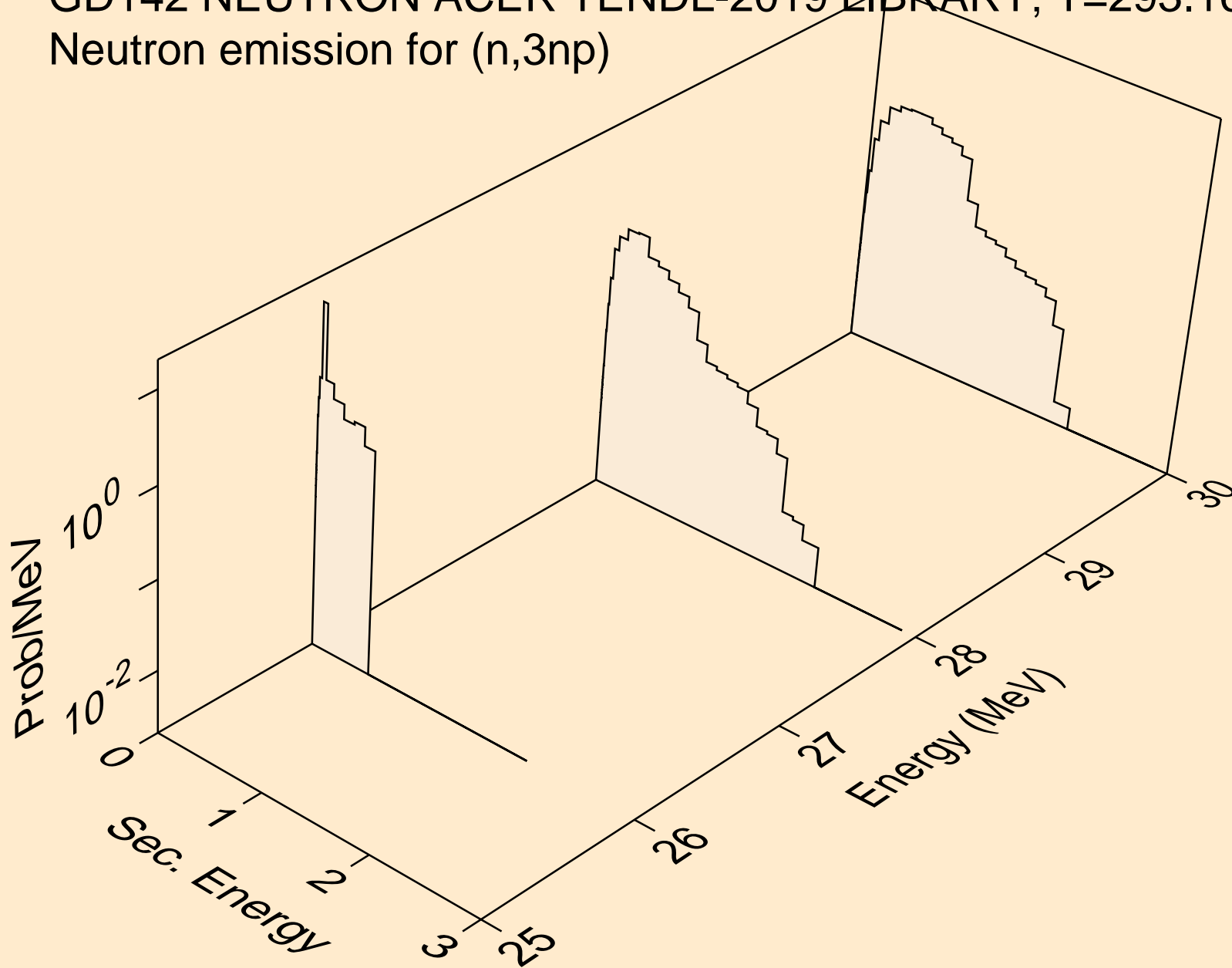
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



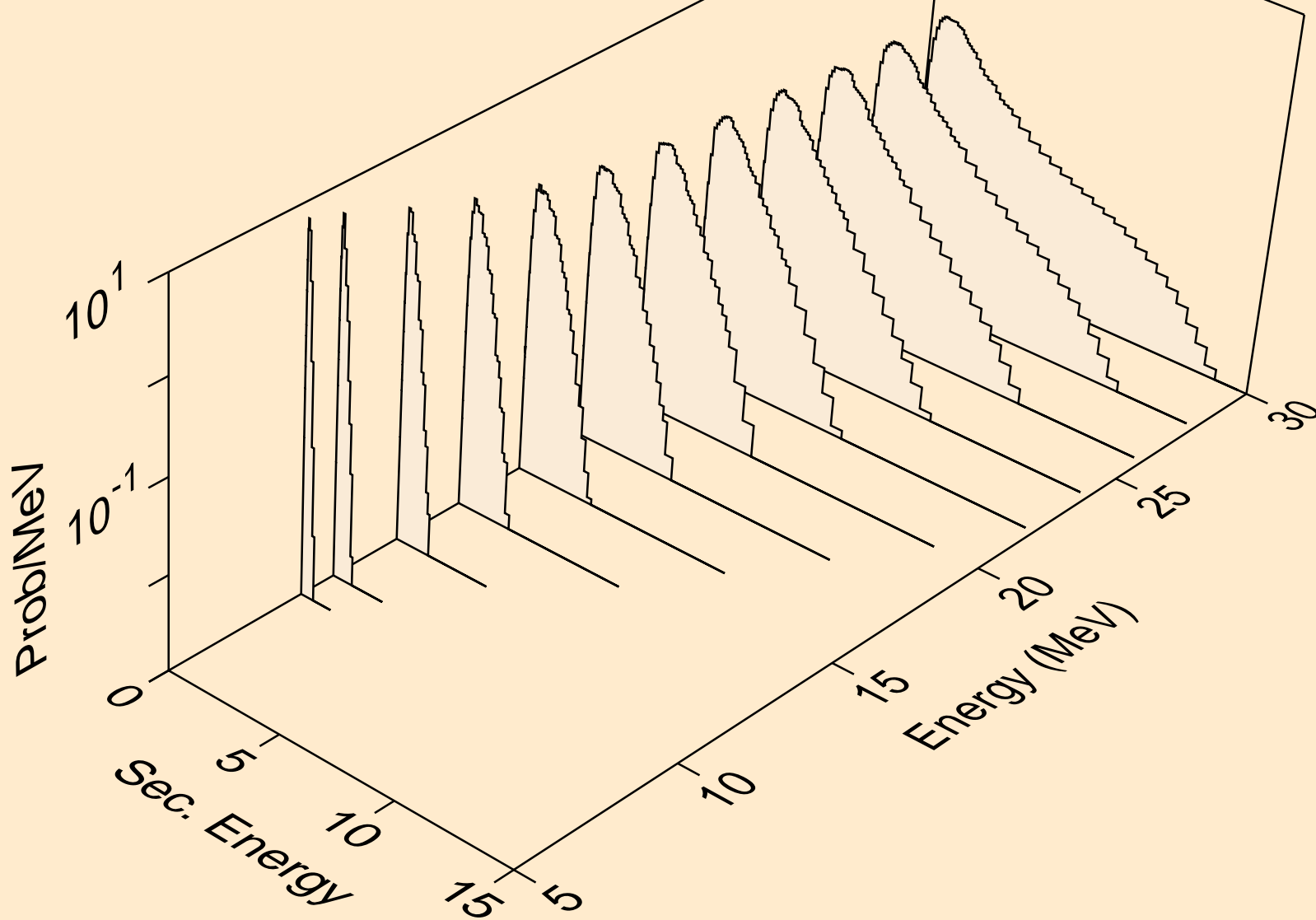
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



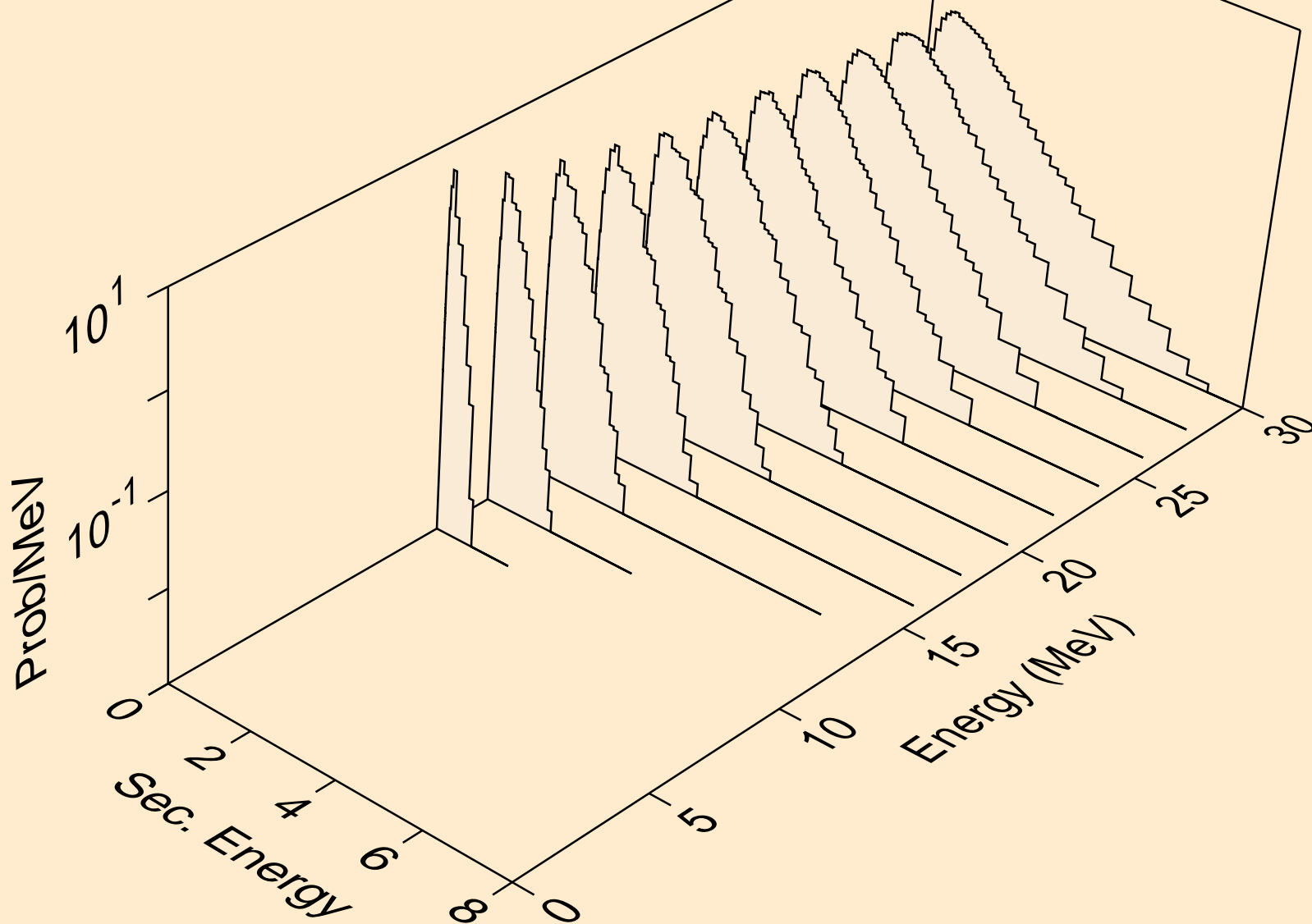
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Neutron emission for (n,3np)



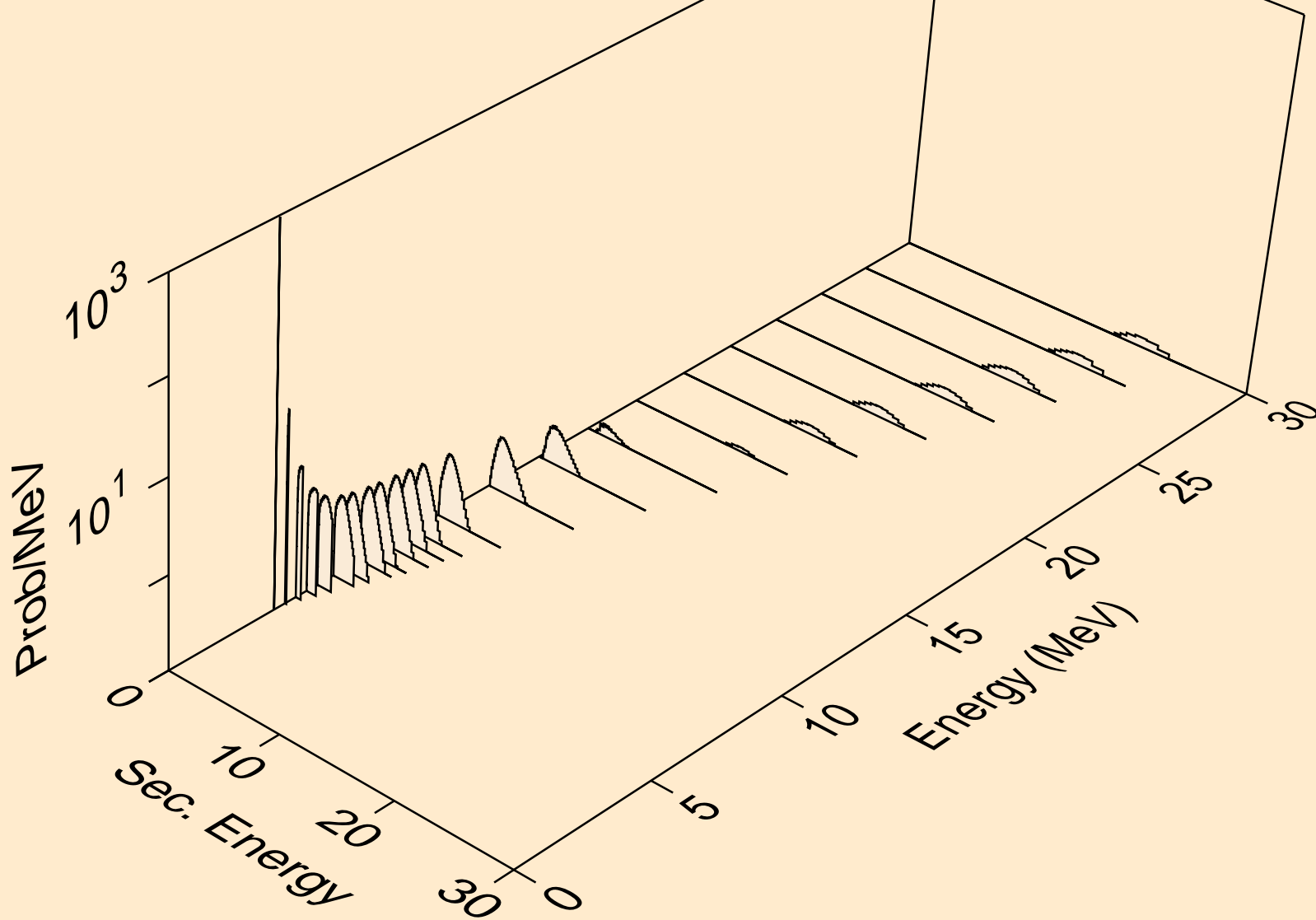
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Neutron emission for (n,2np)



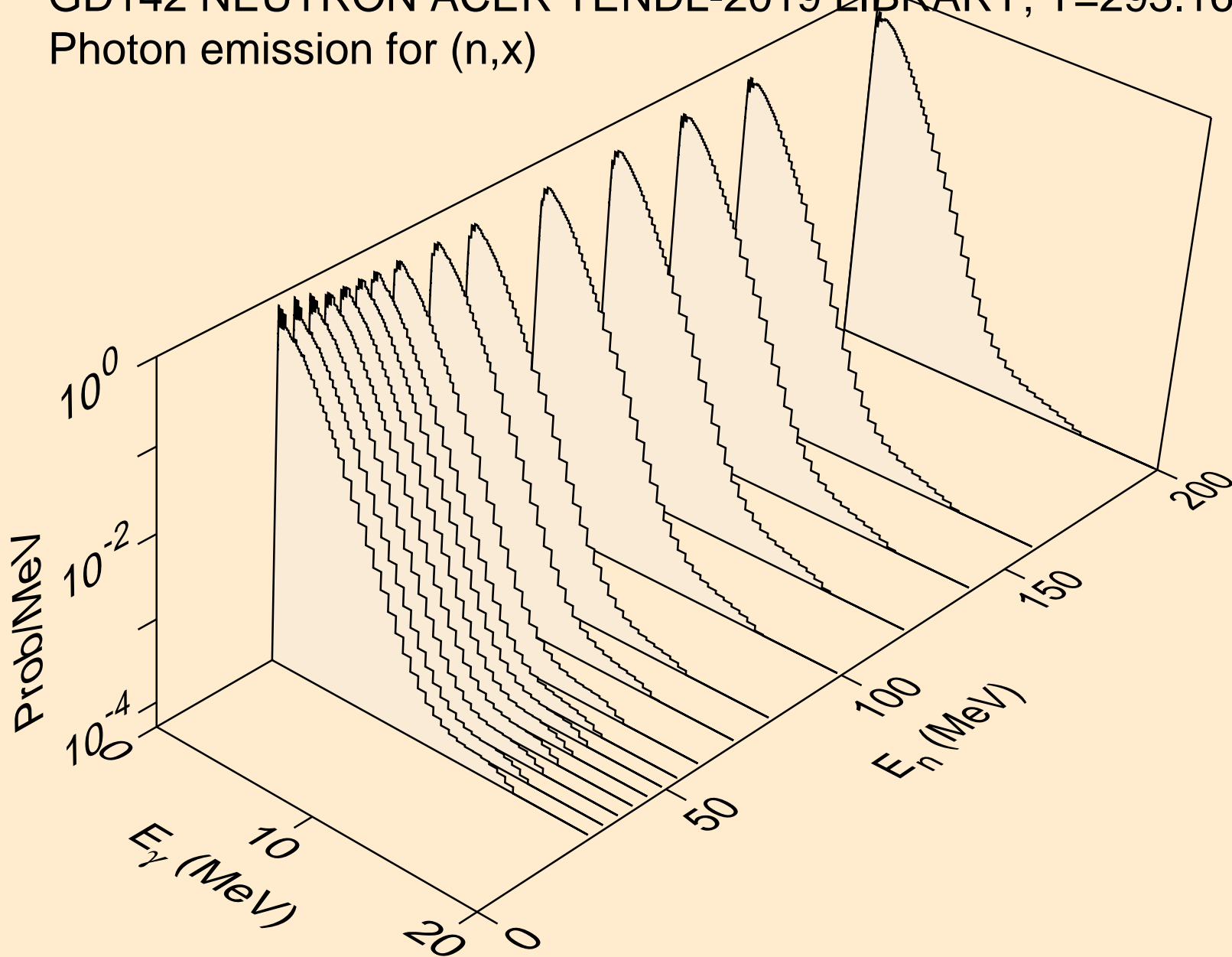
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



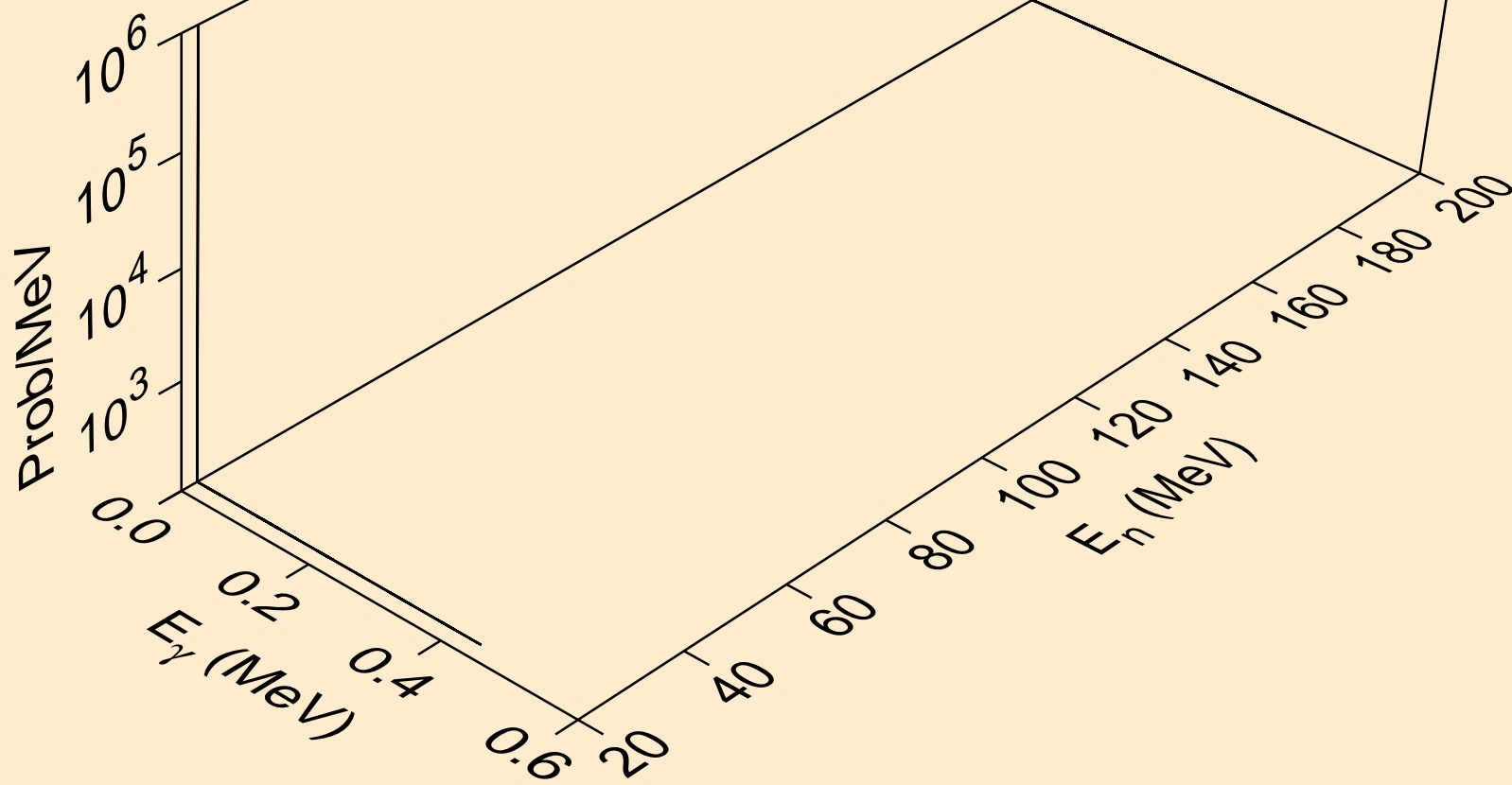
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



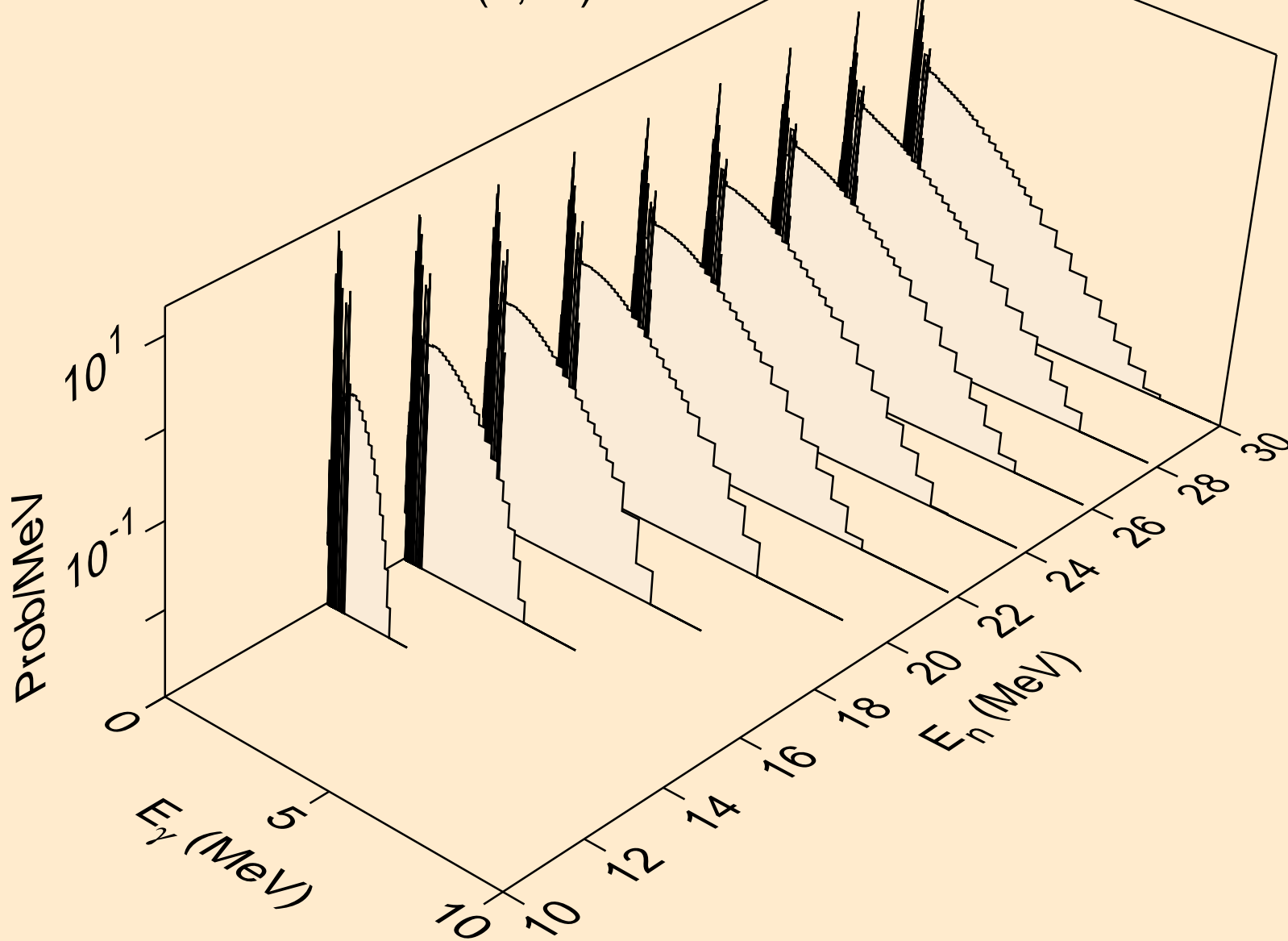
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



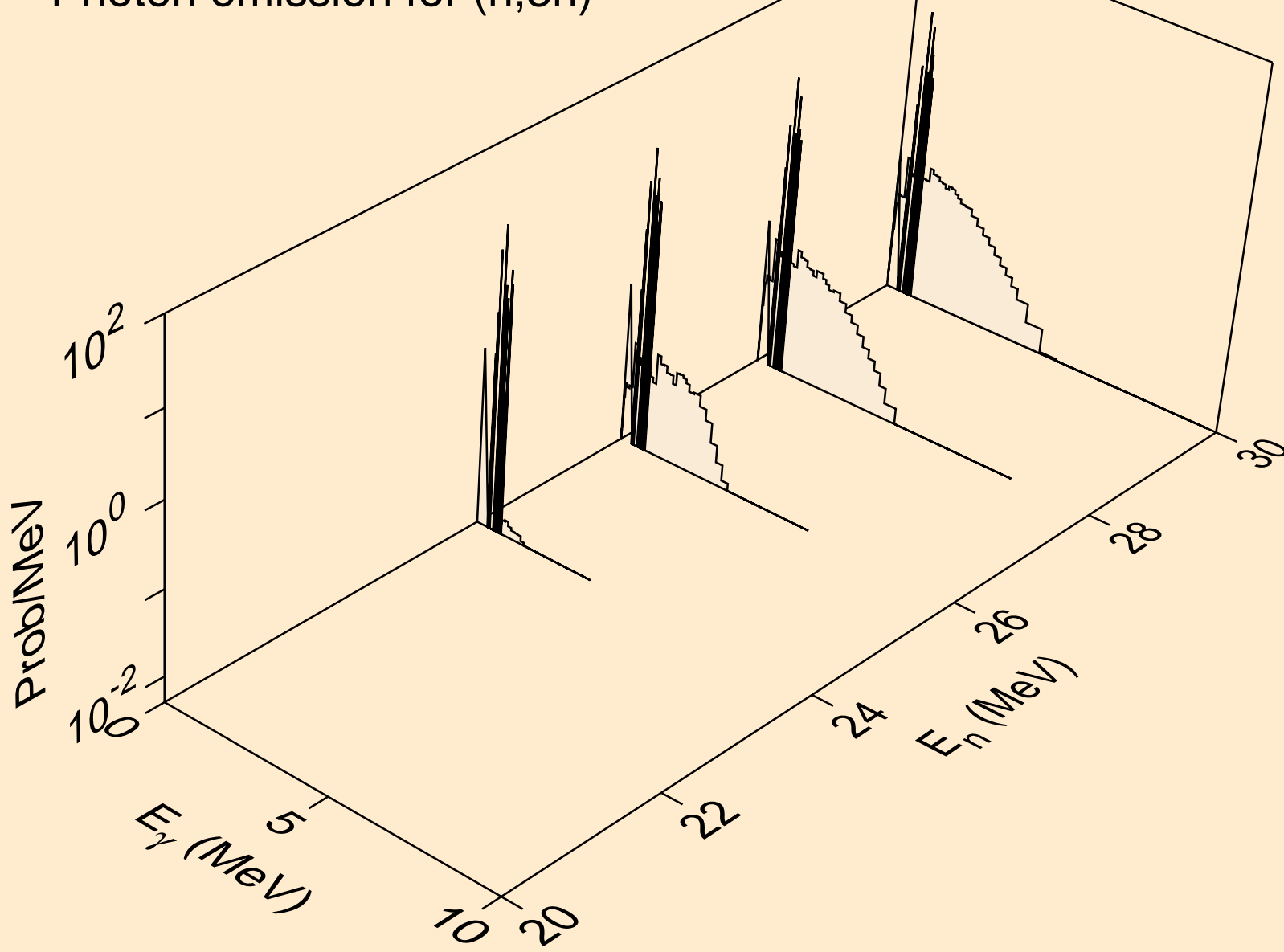
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



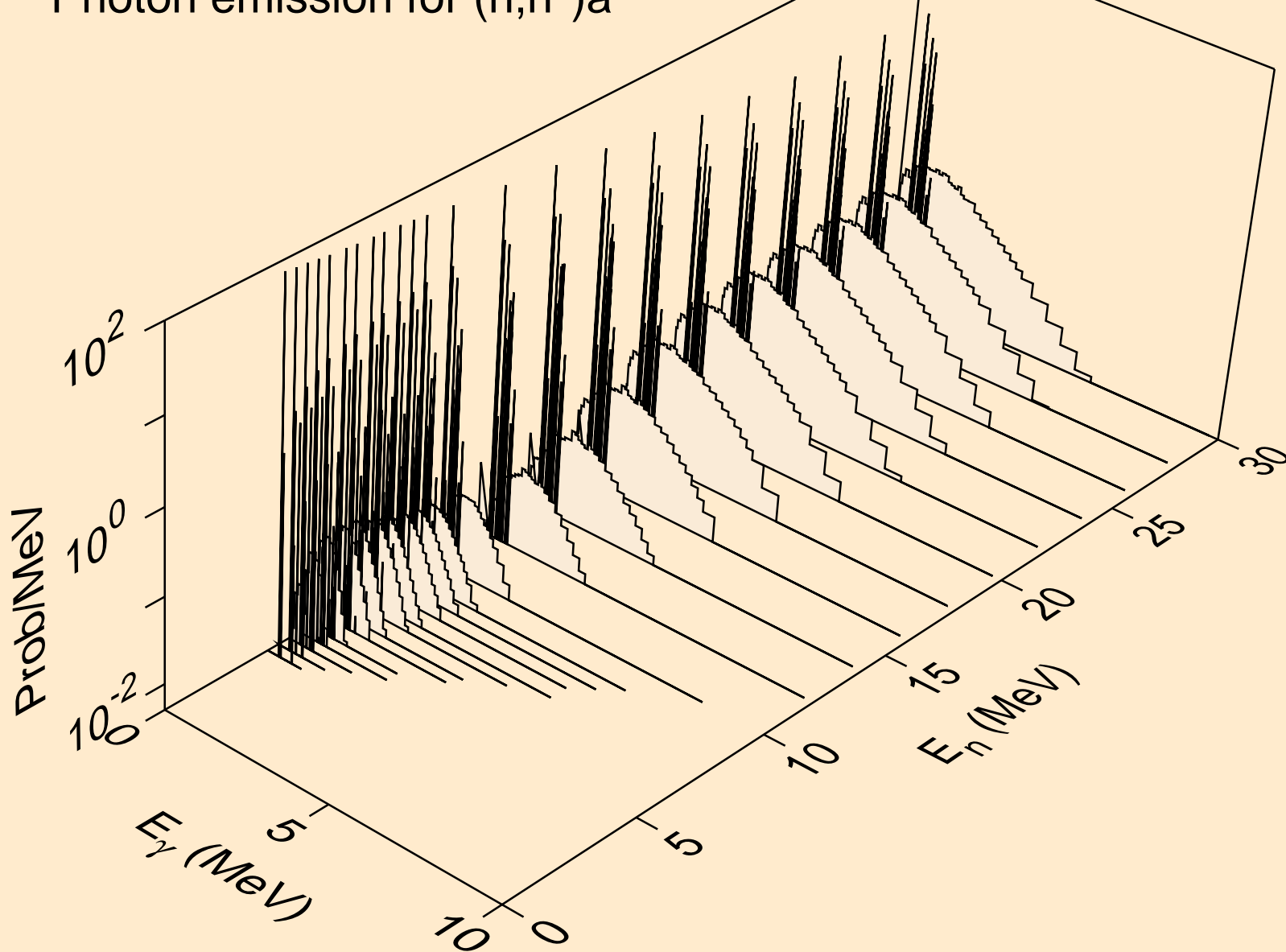
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Photon emission for (n,2n)



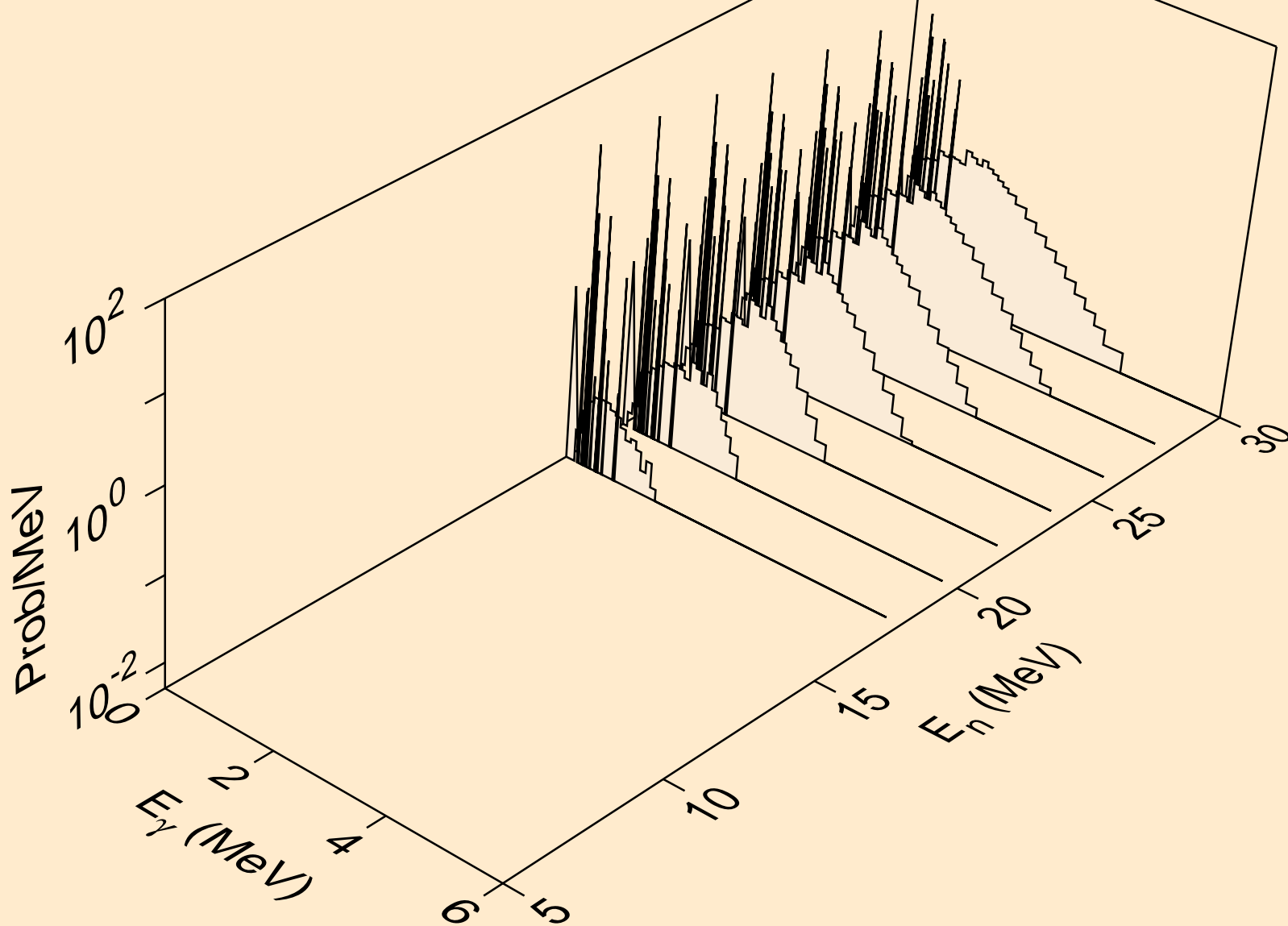
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



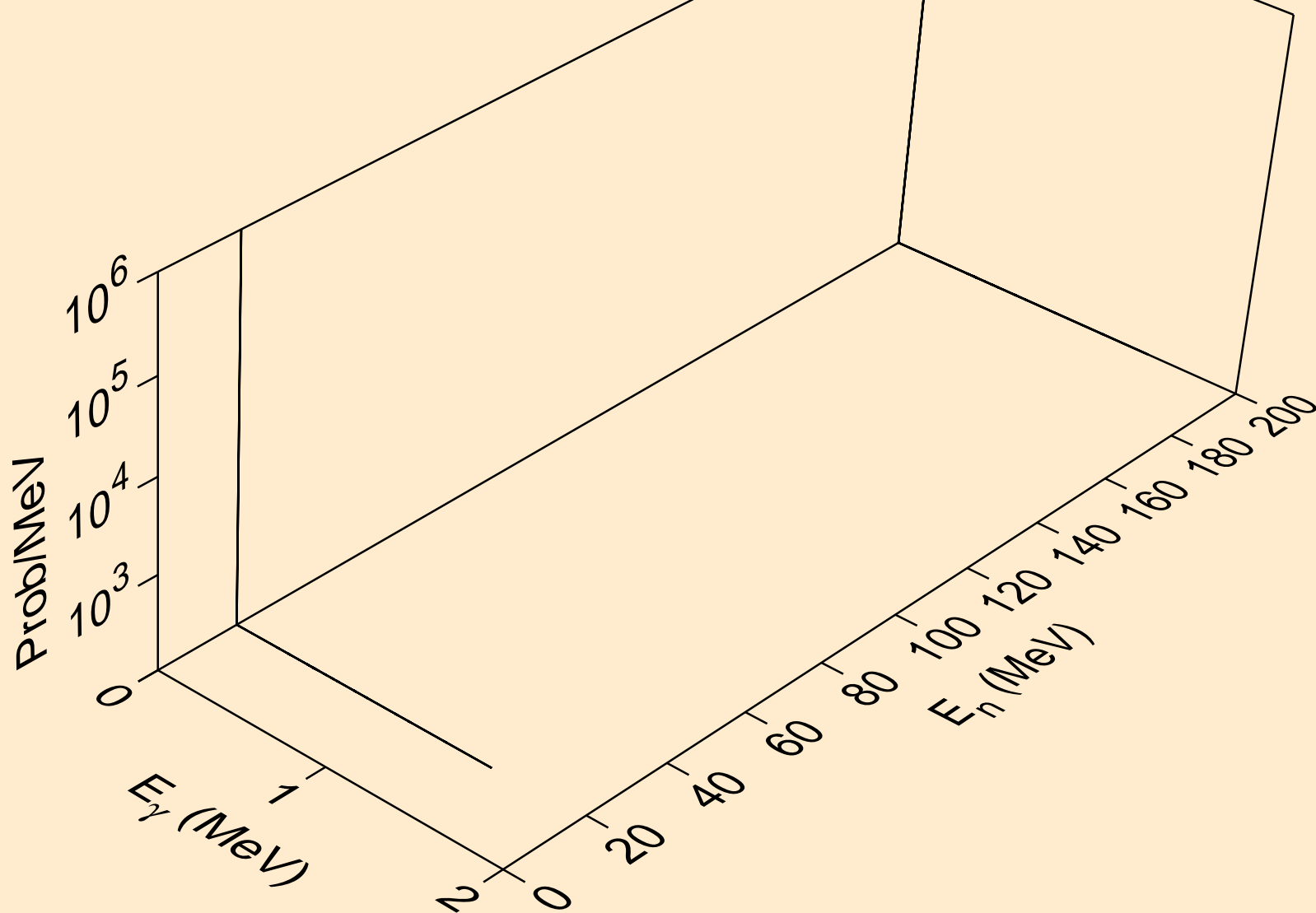
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



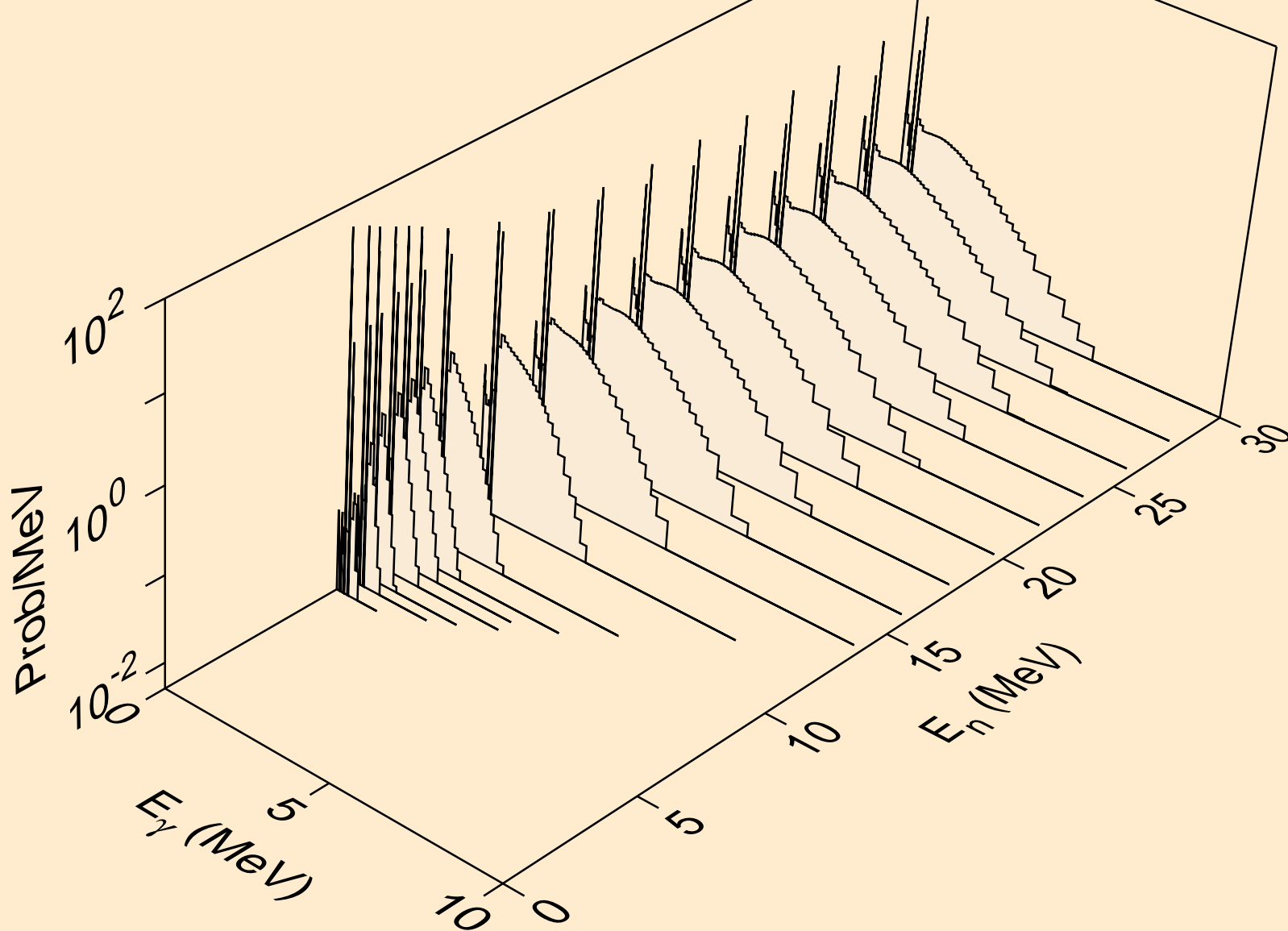
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



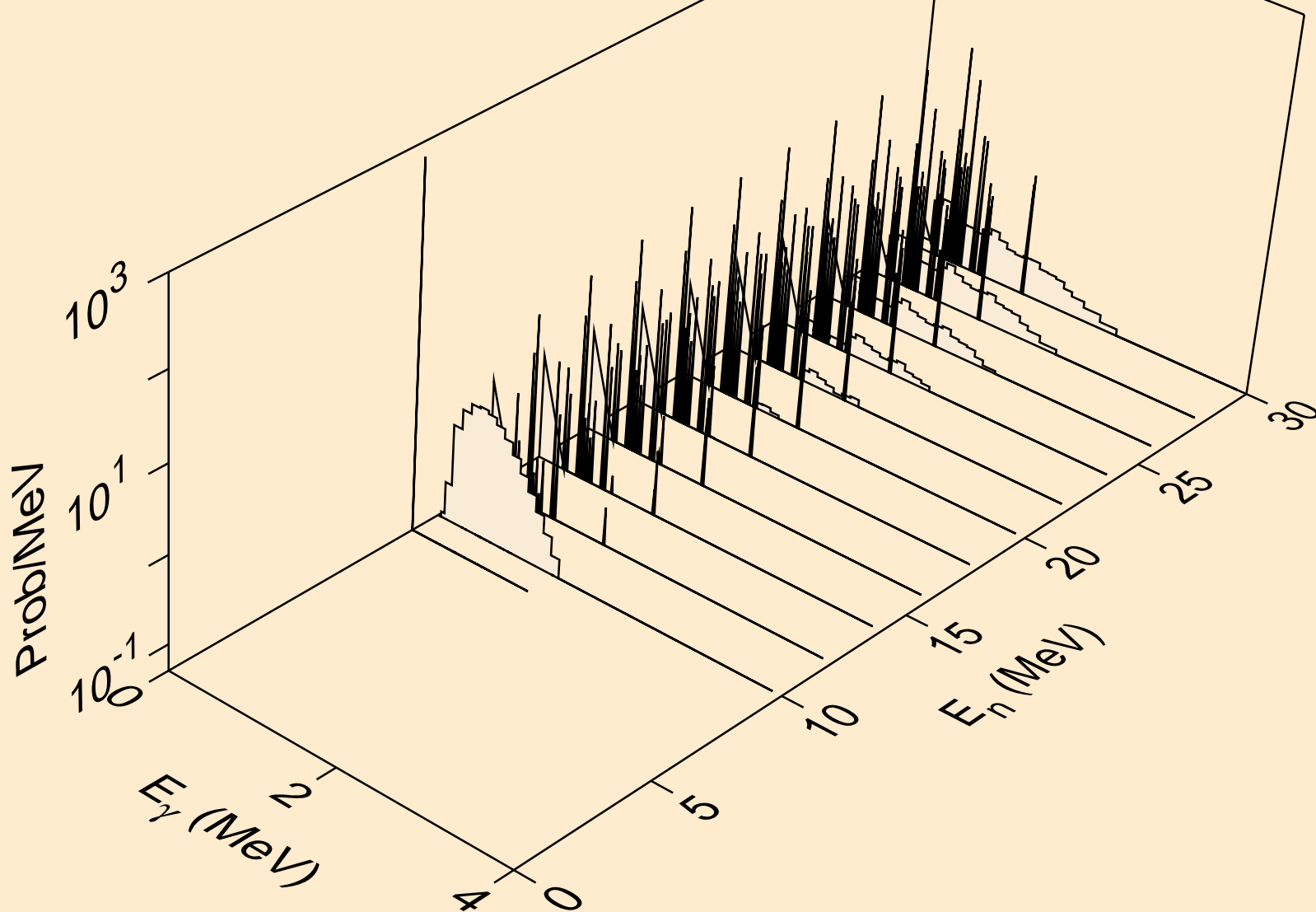
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



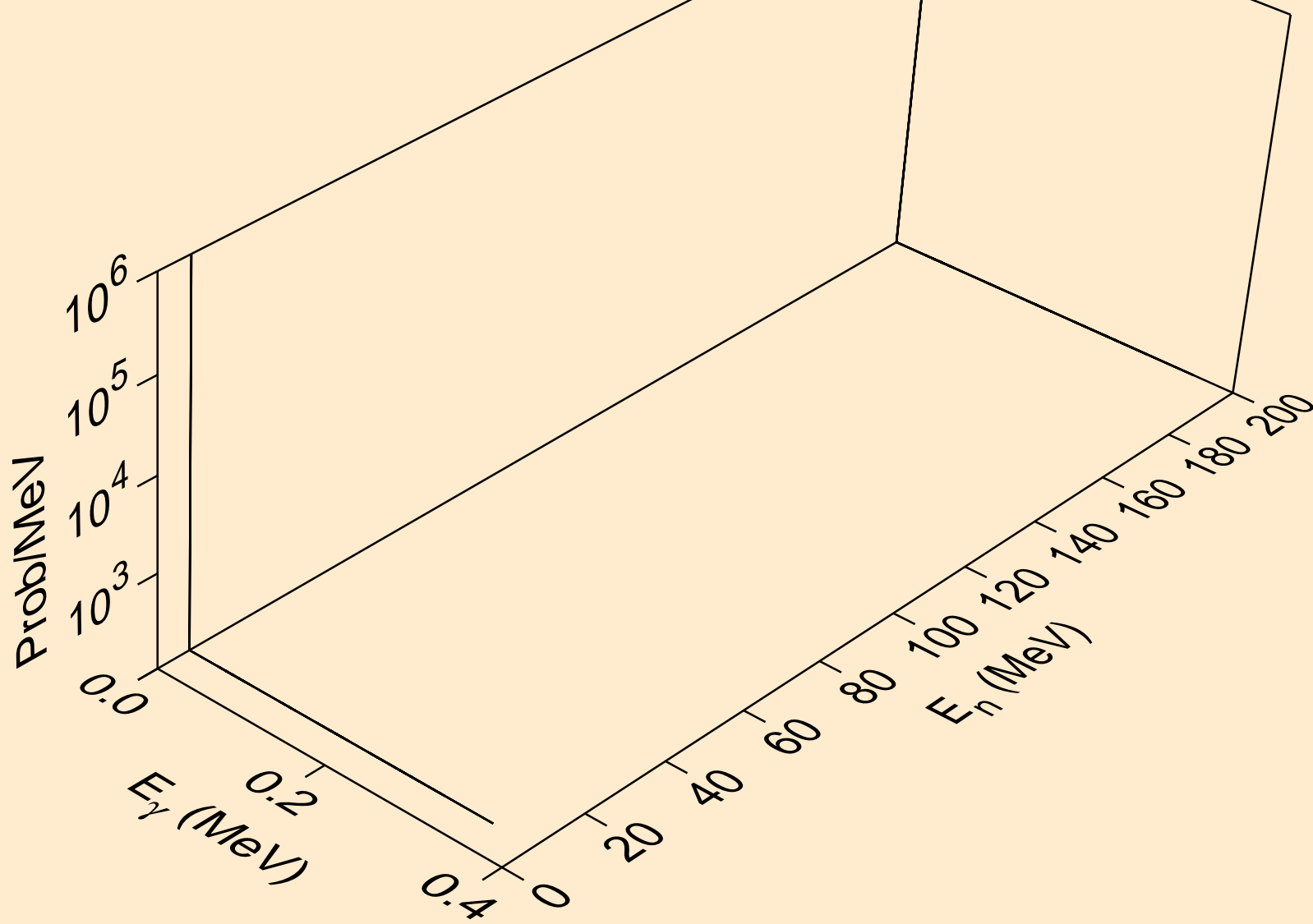
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



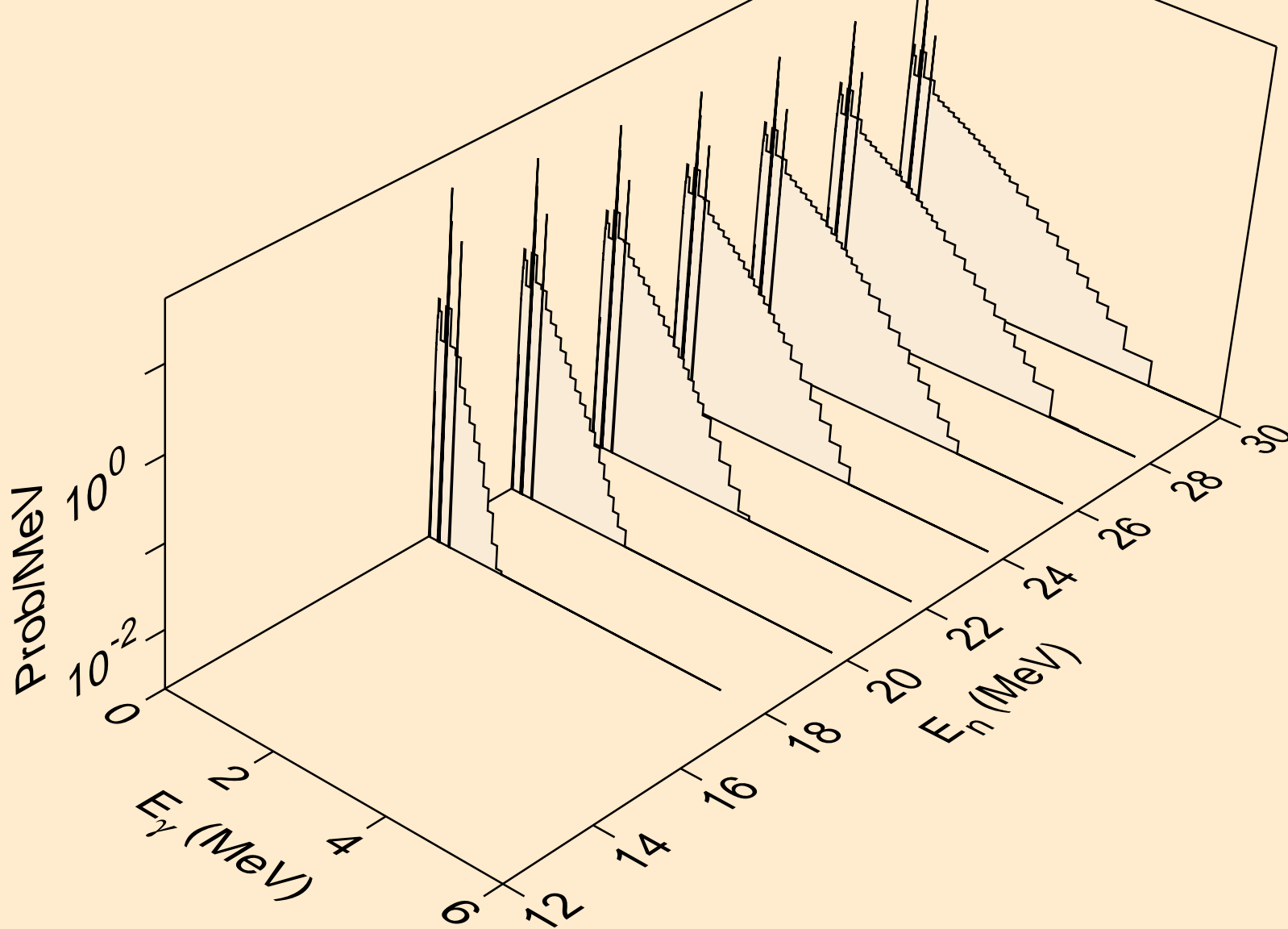
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



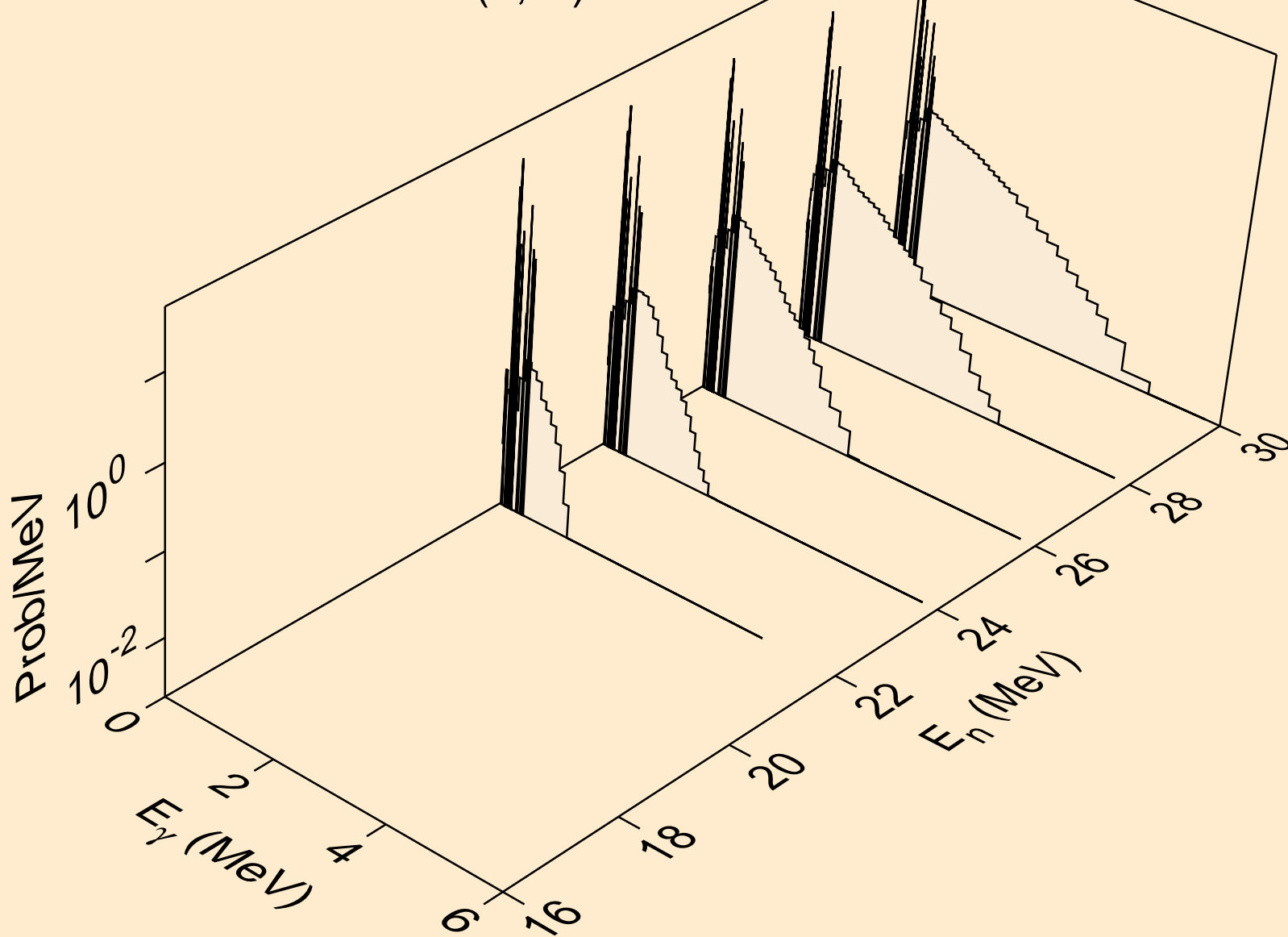
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)2a



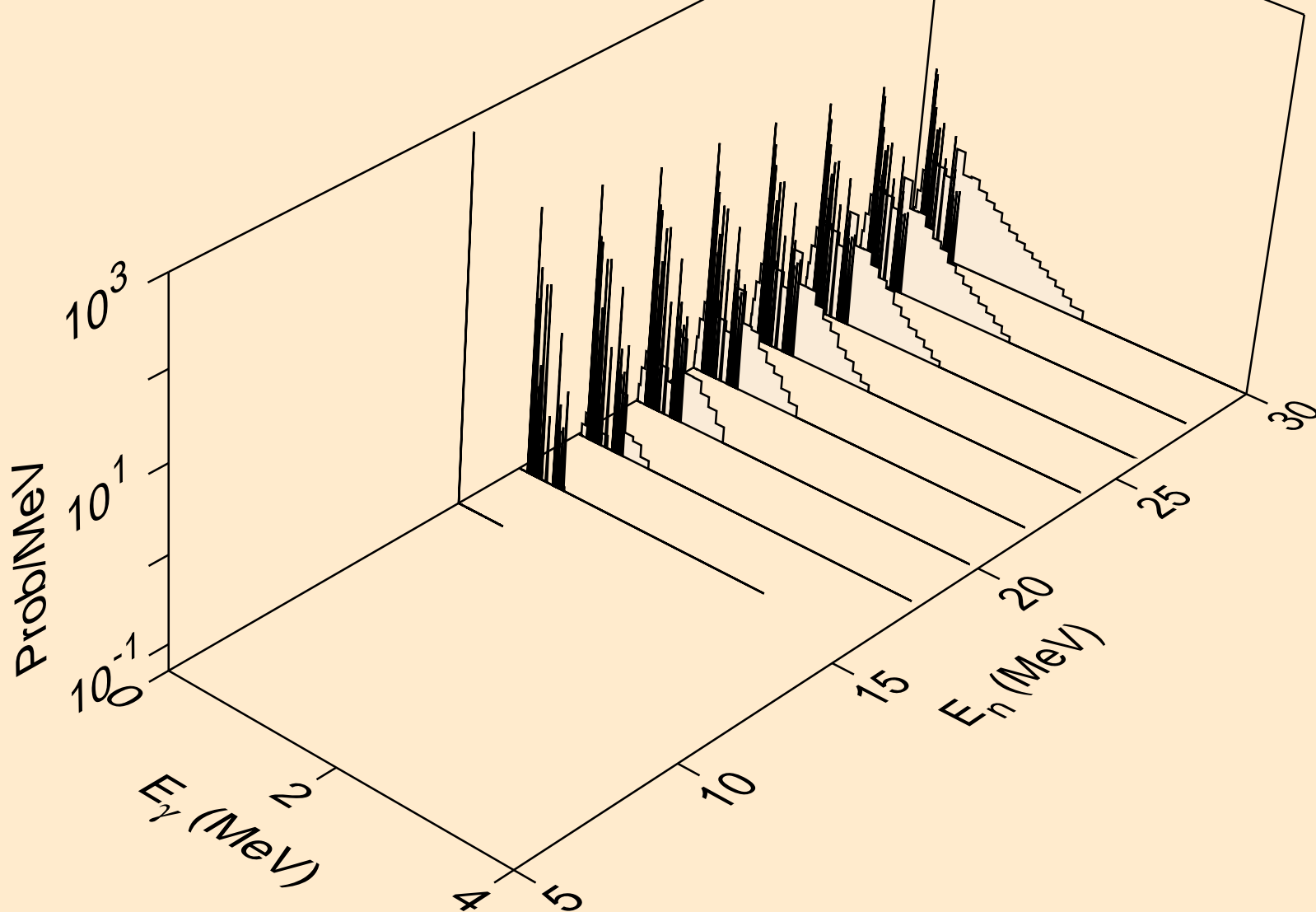
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



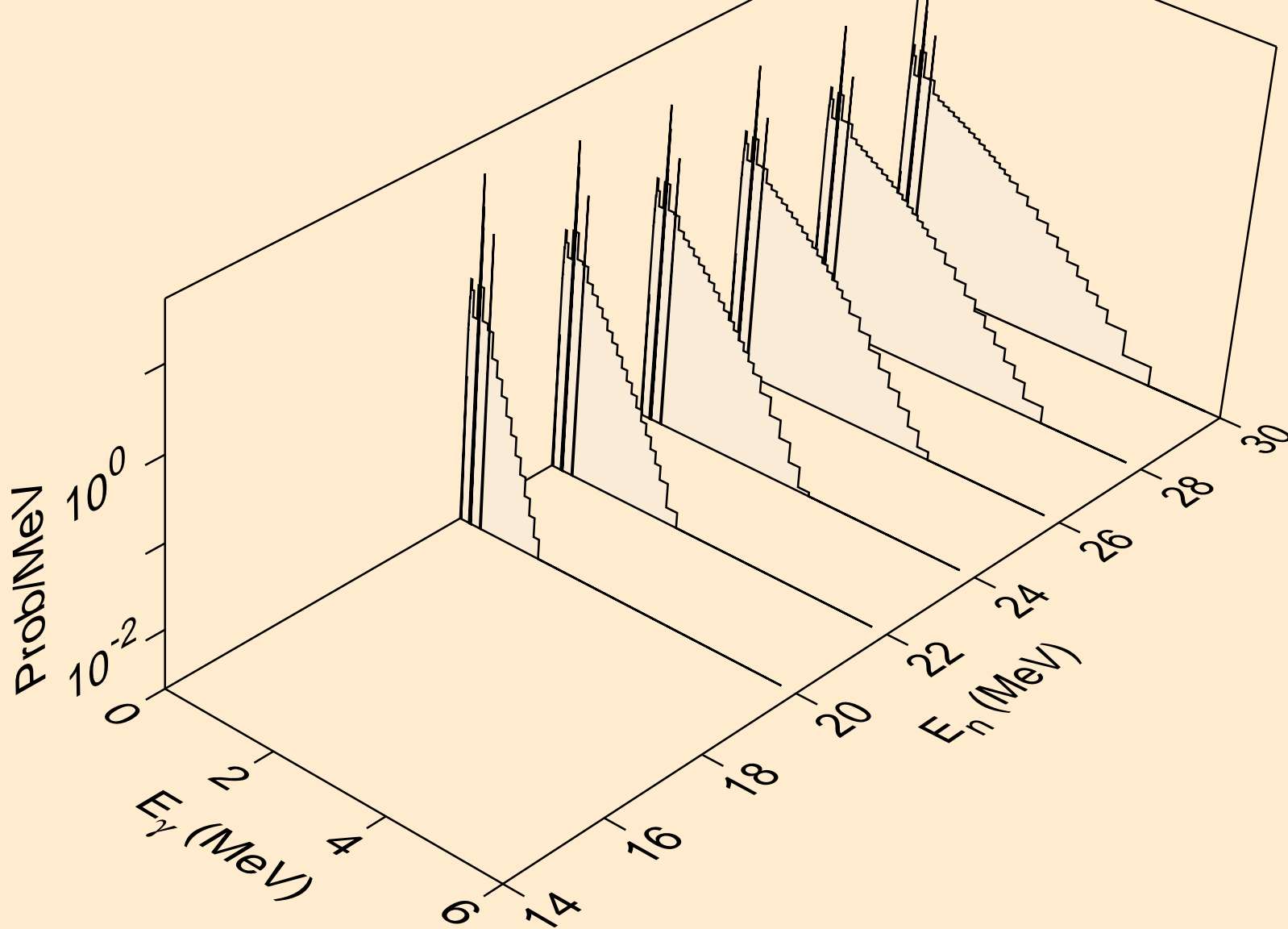
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



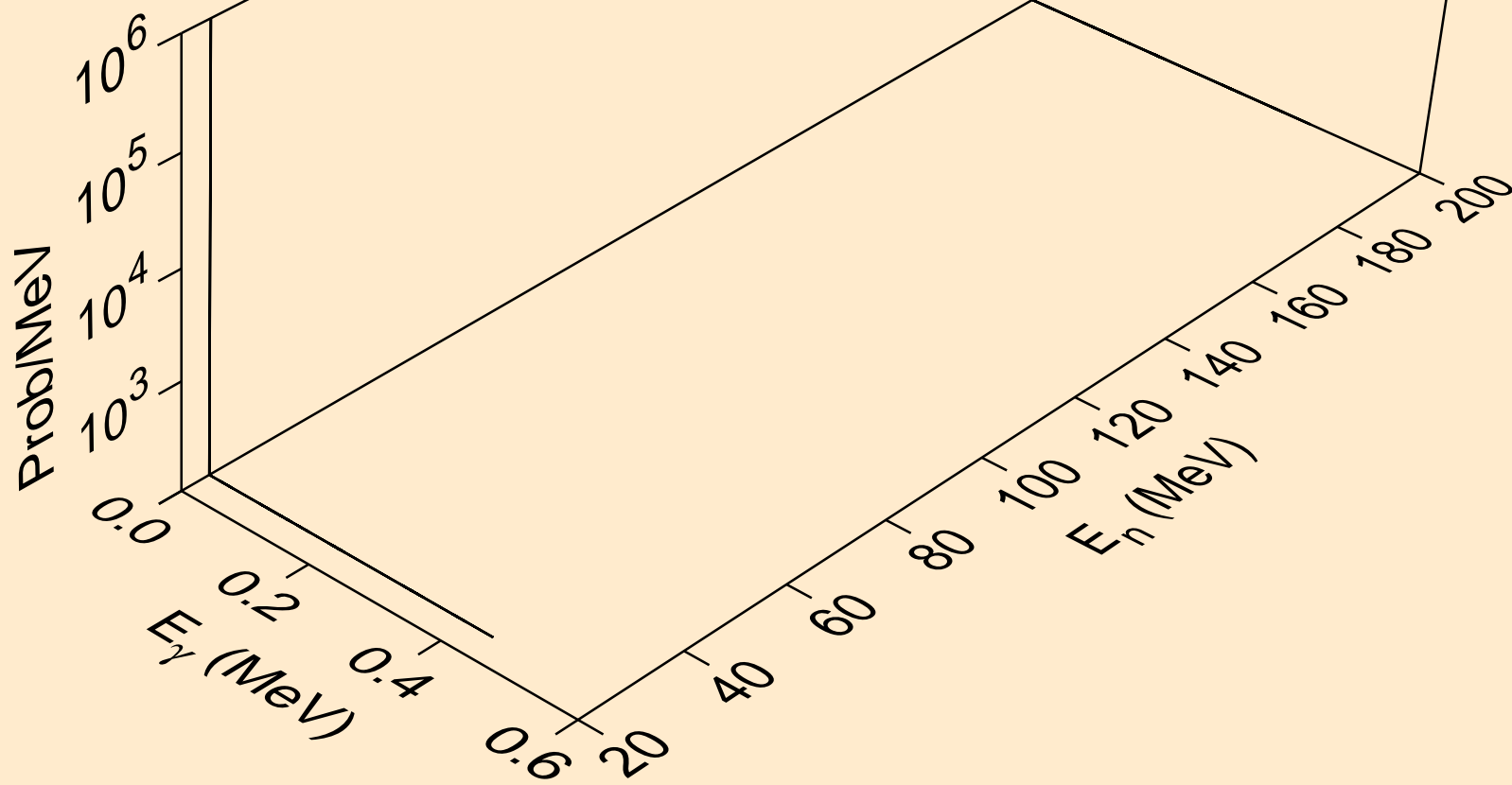
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



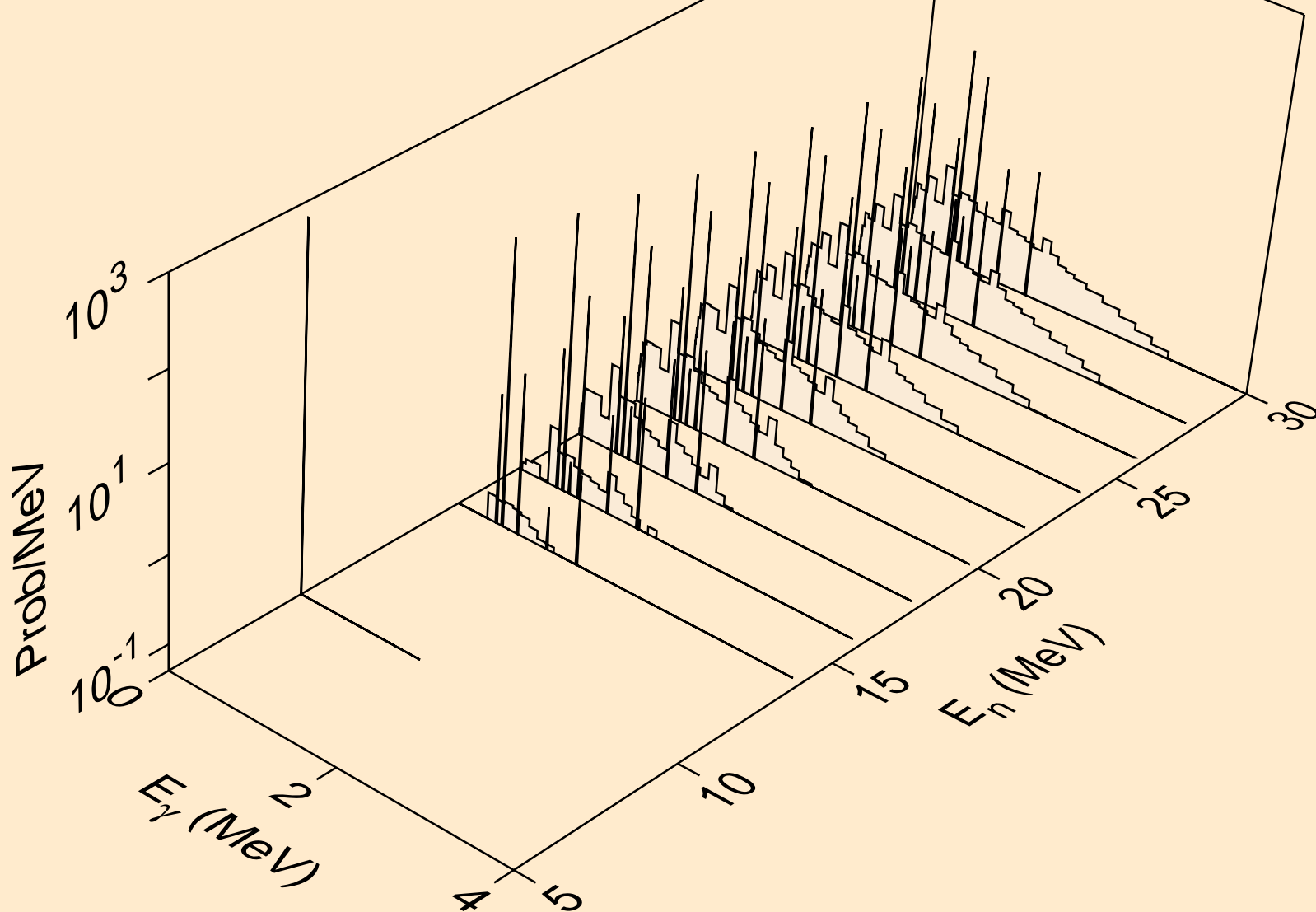
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



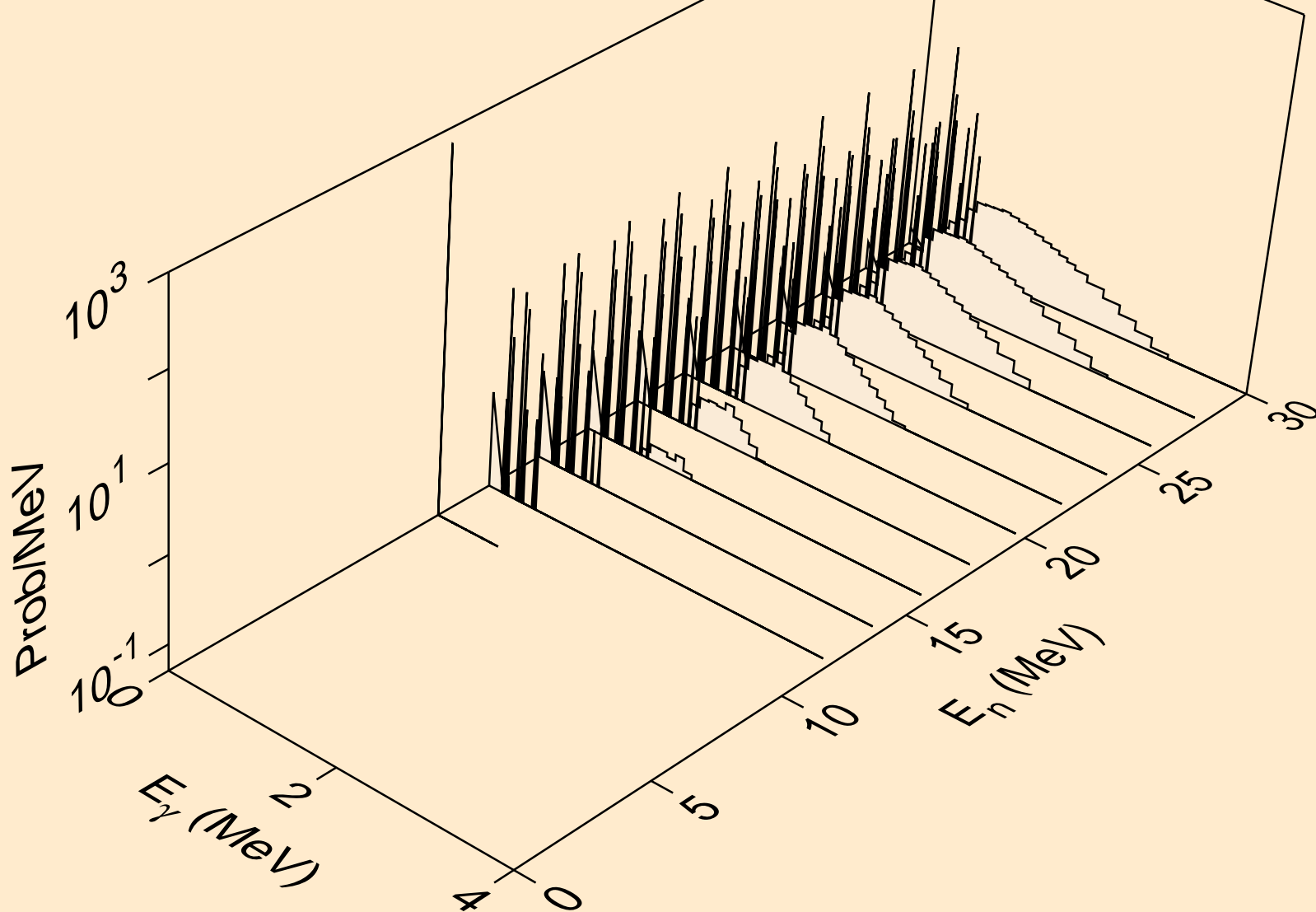
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



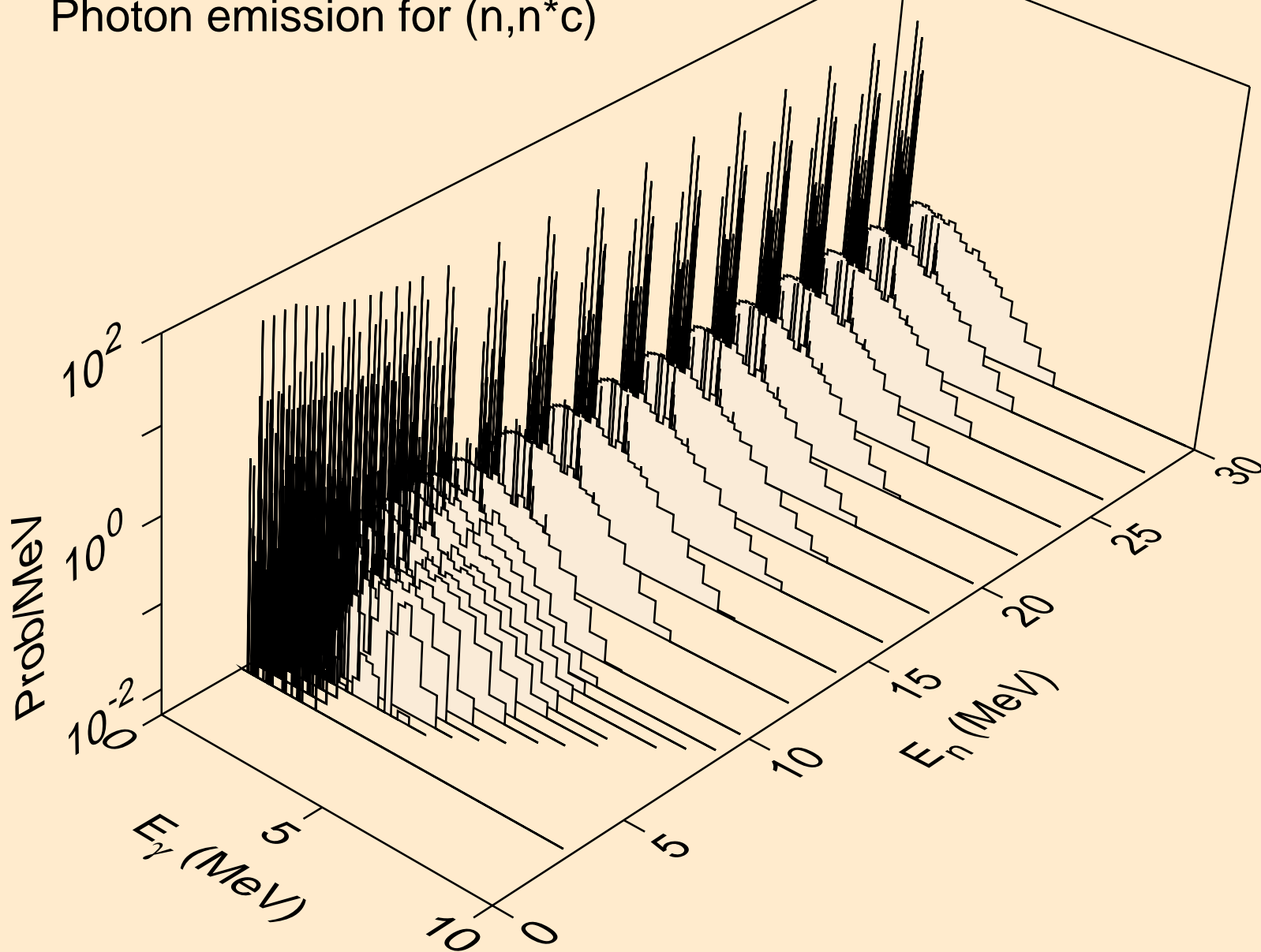
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



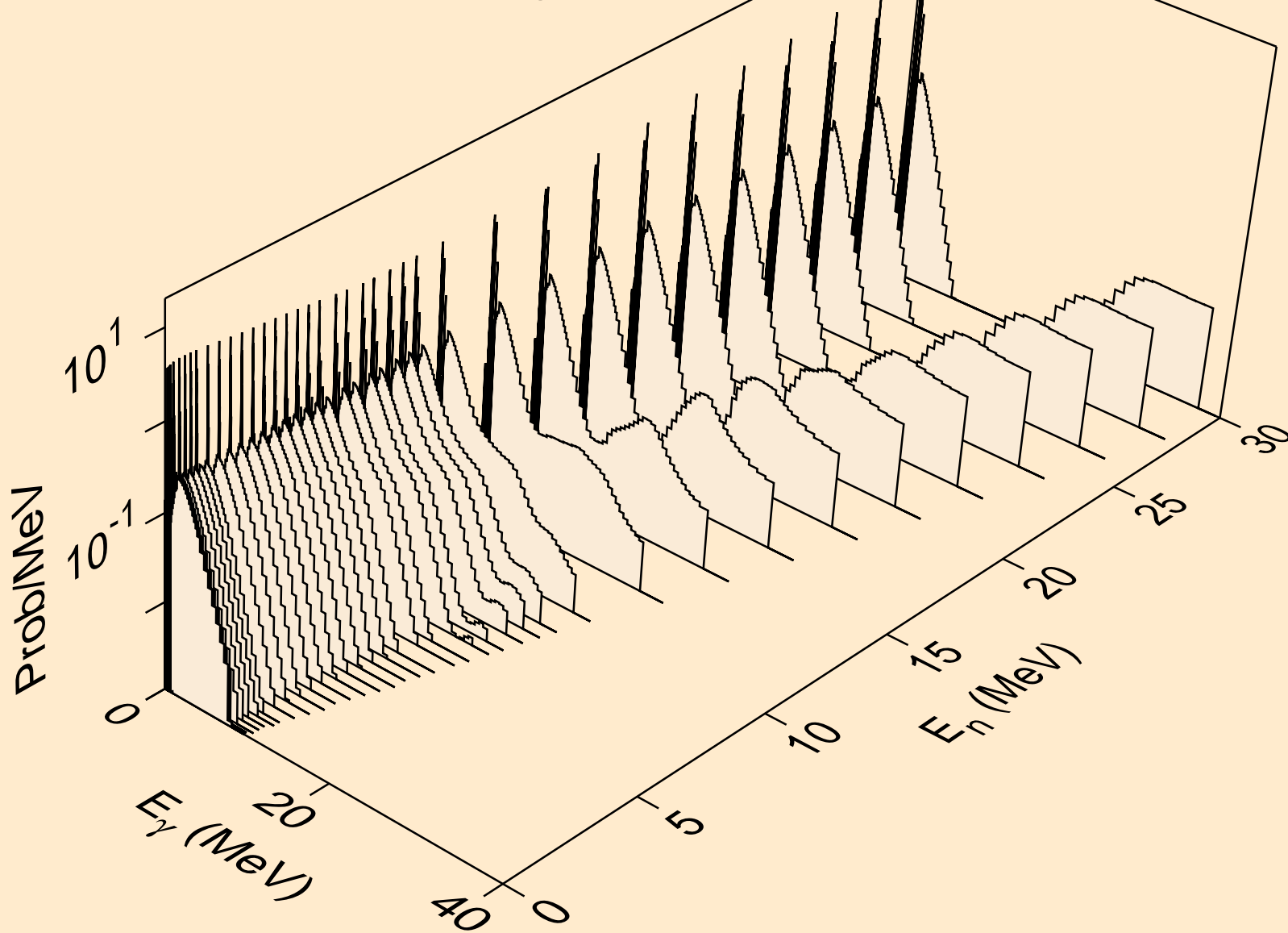
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



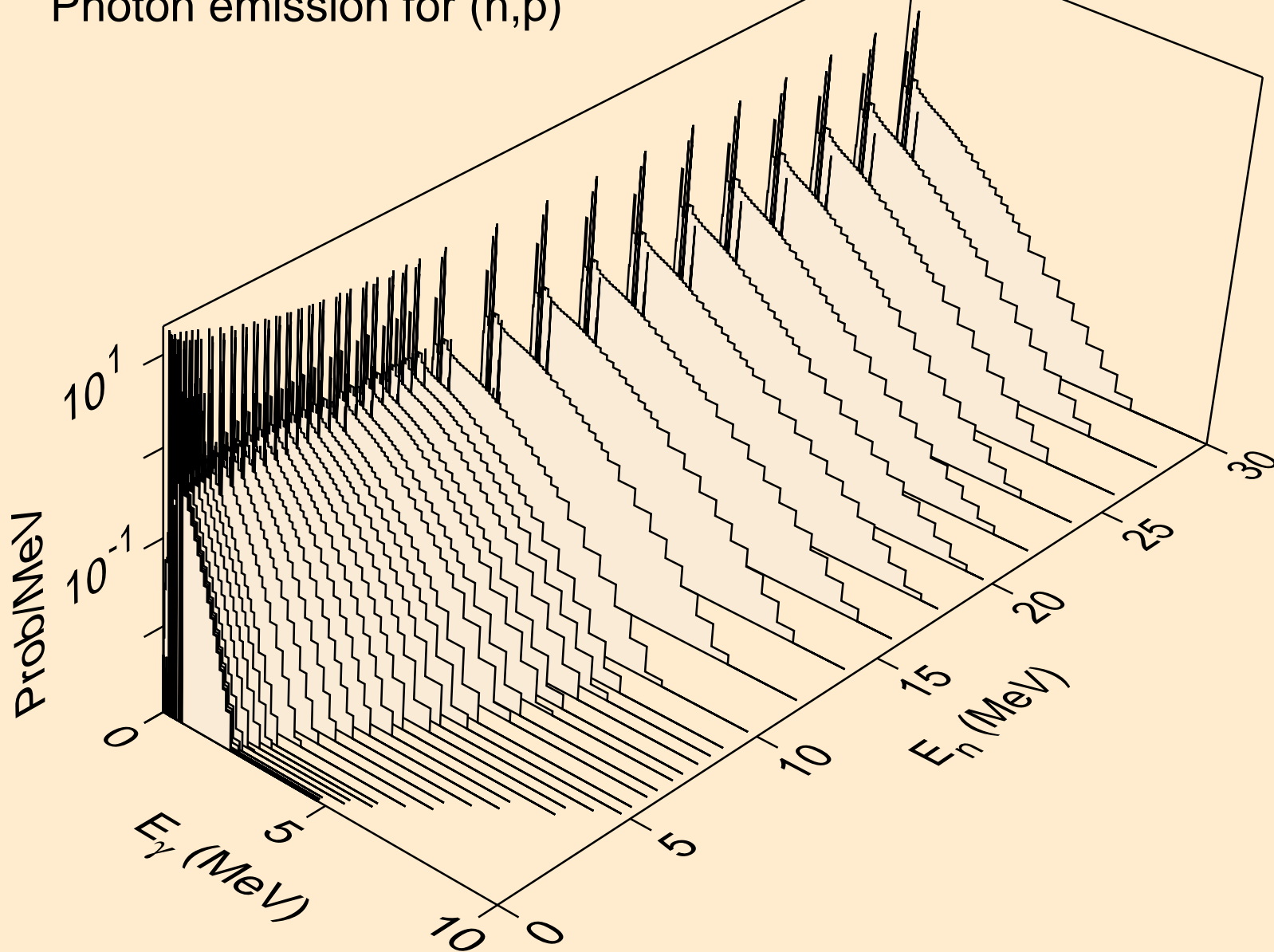
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



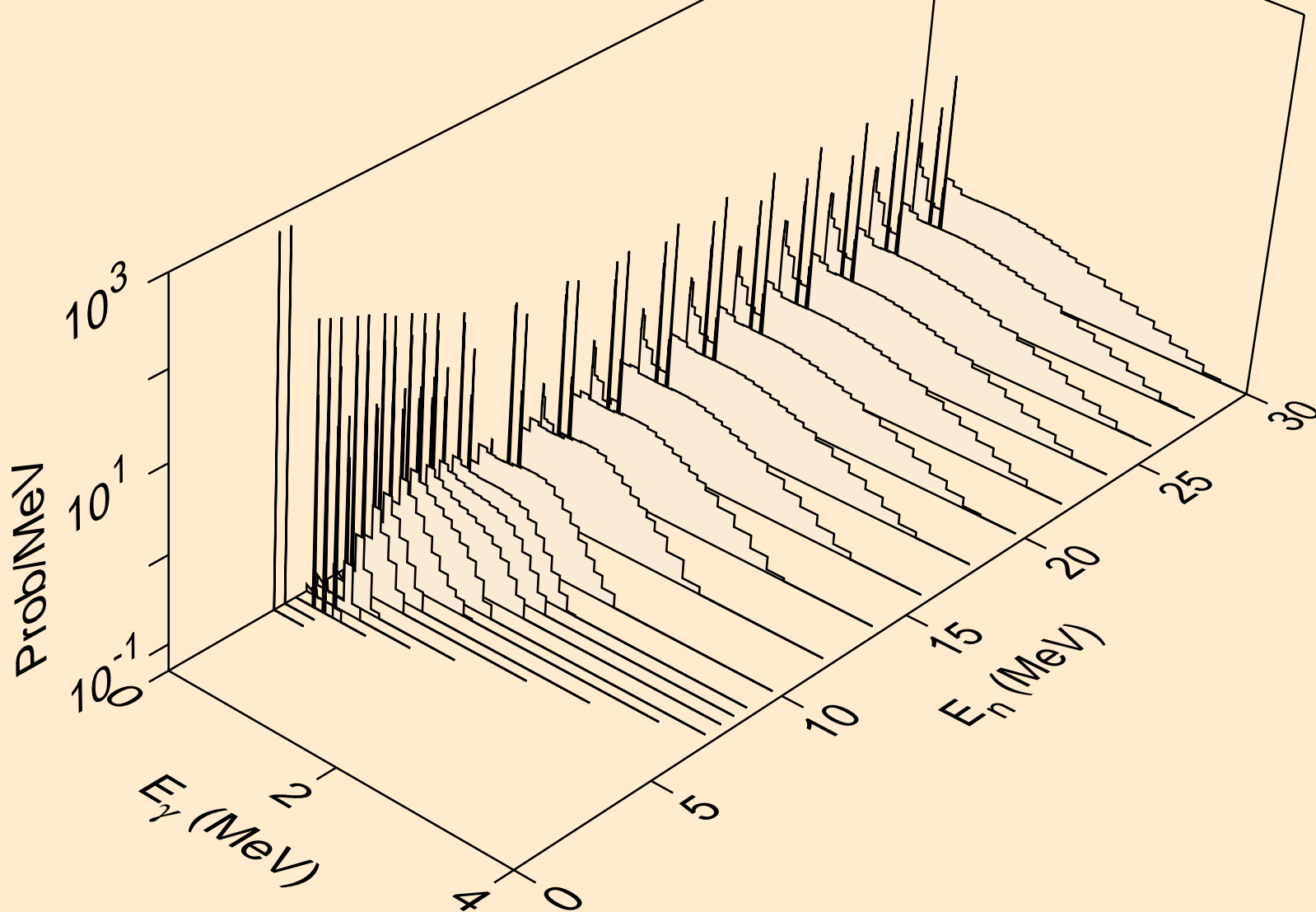
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



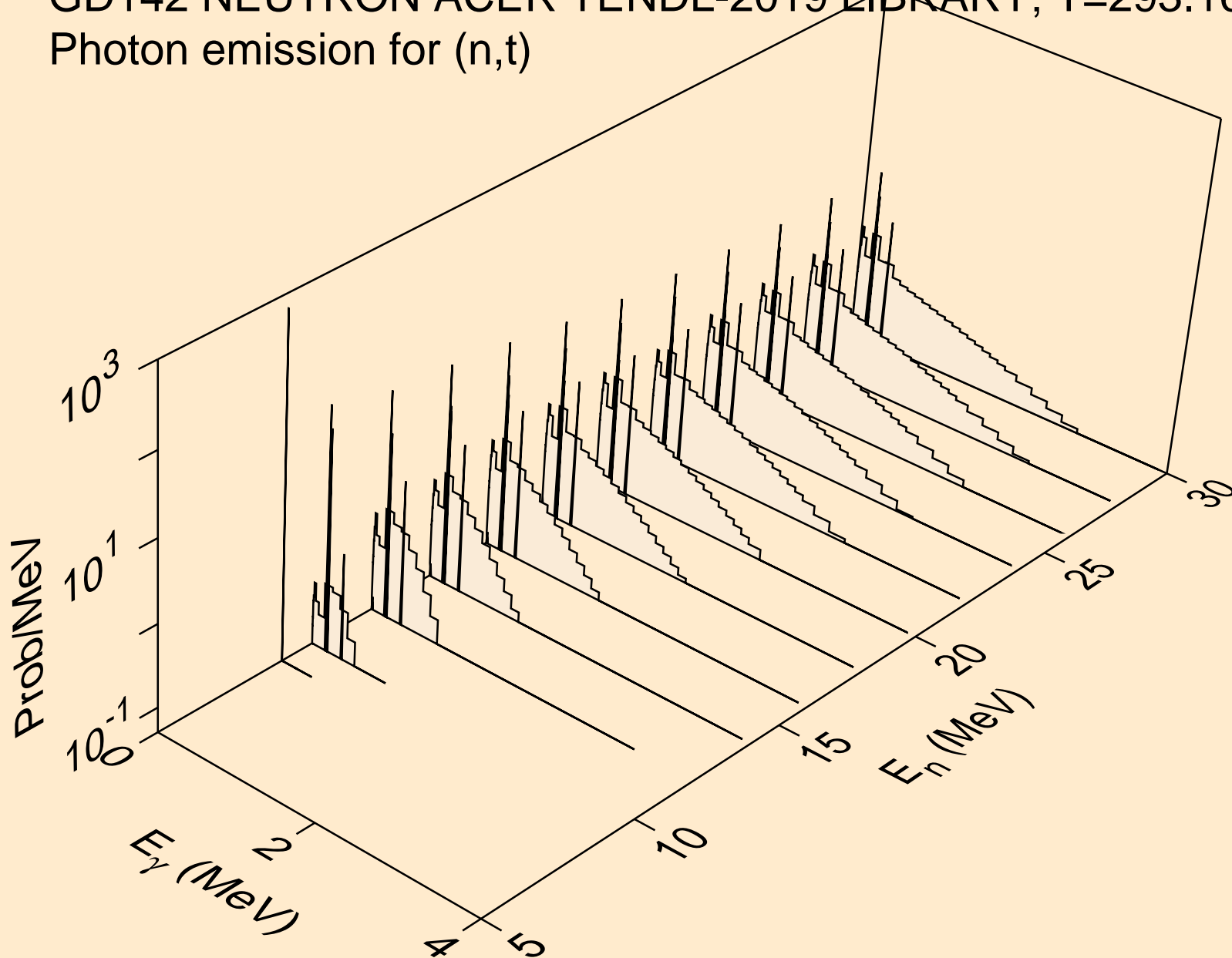
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



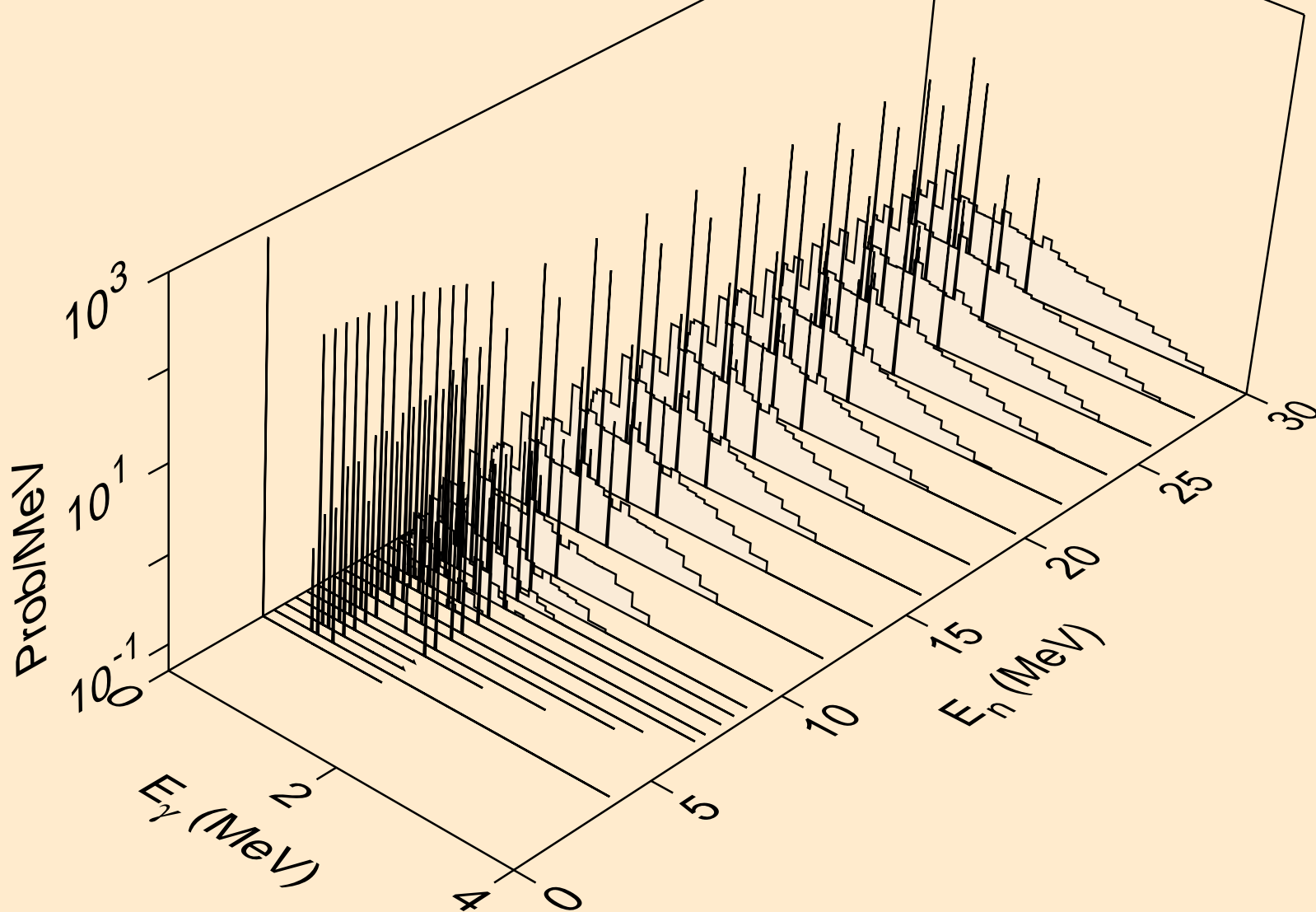
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



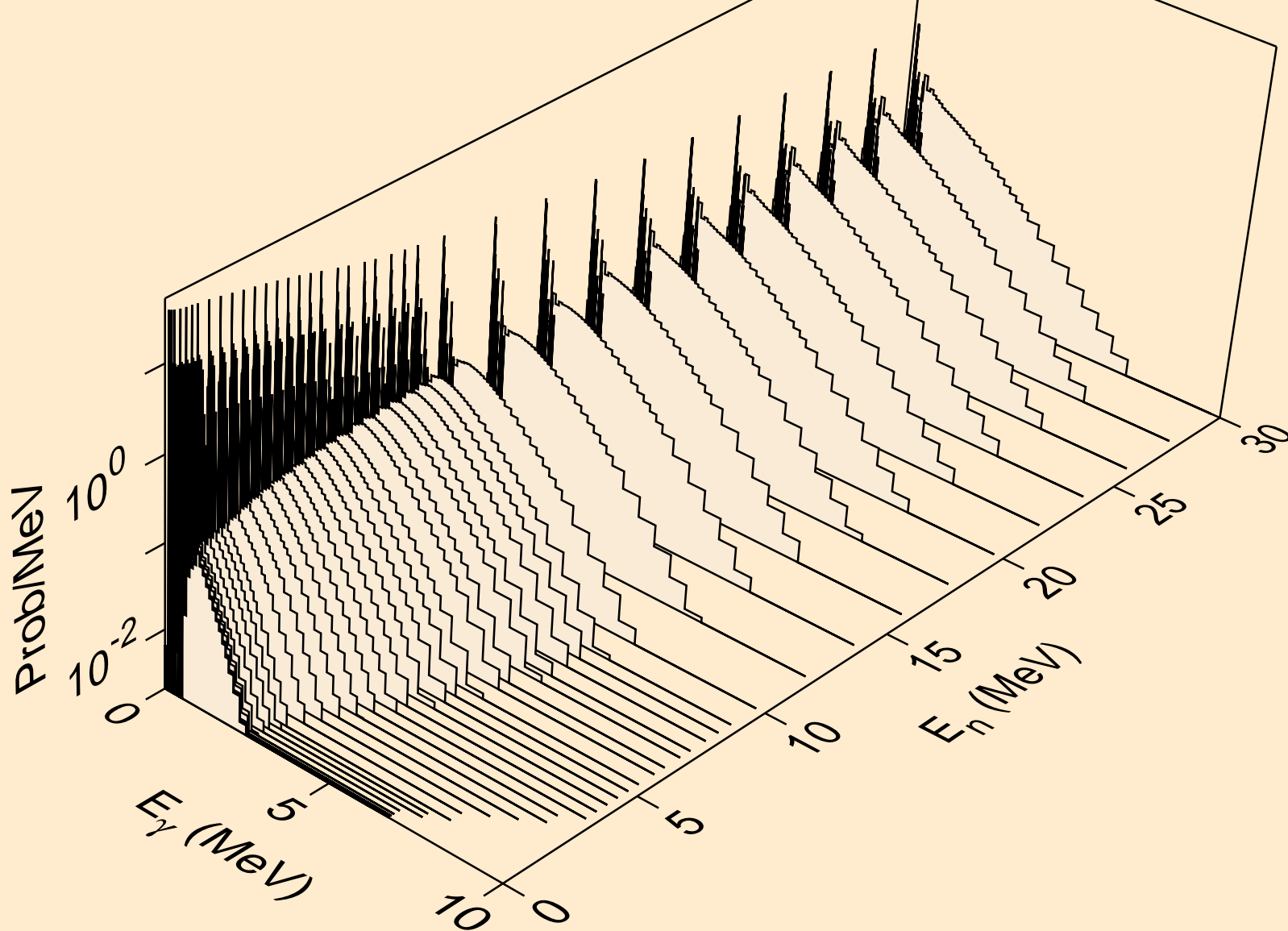
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



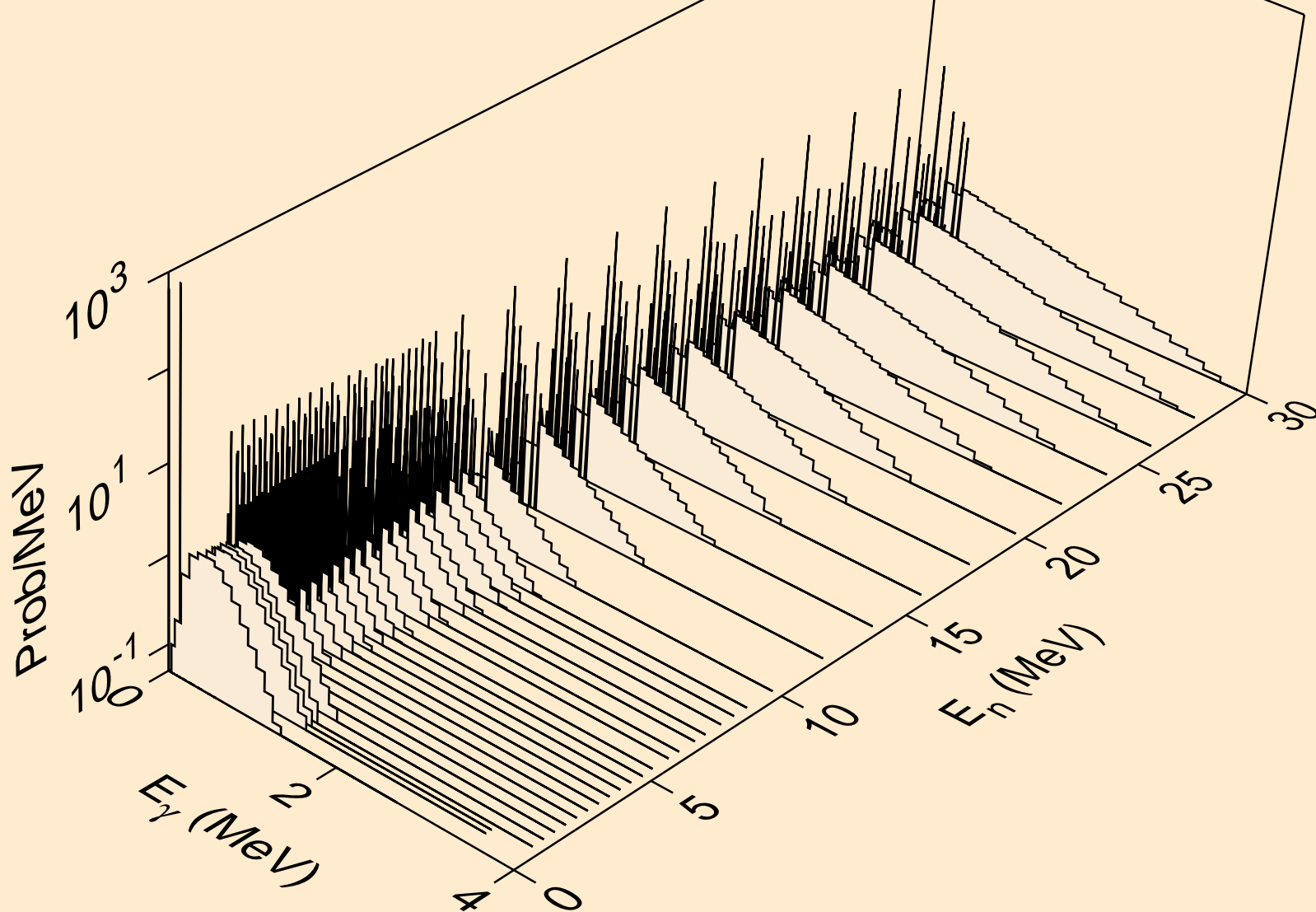
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



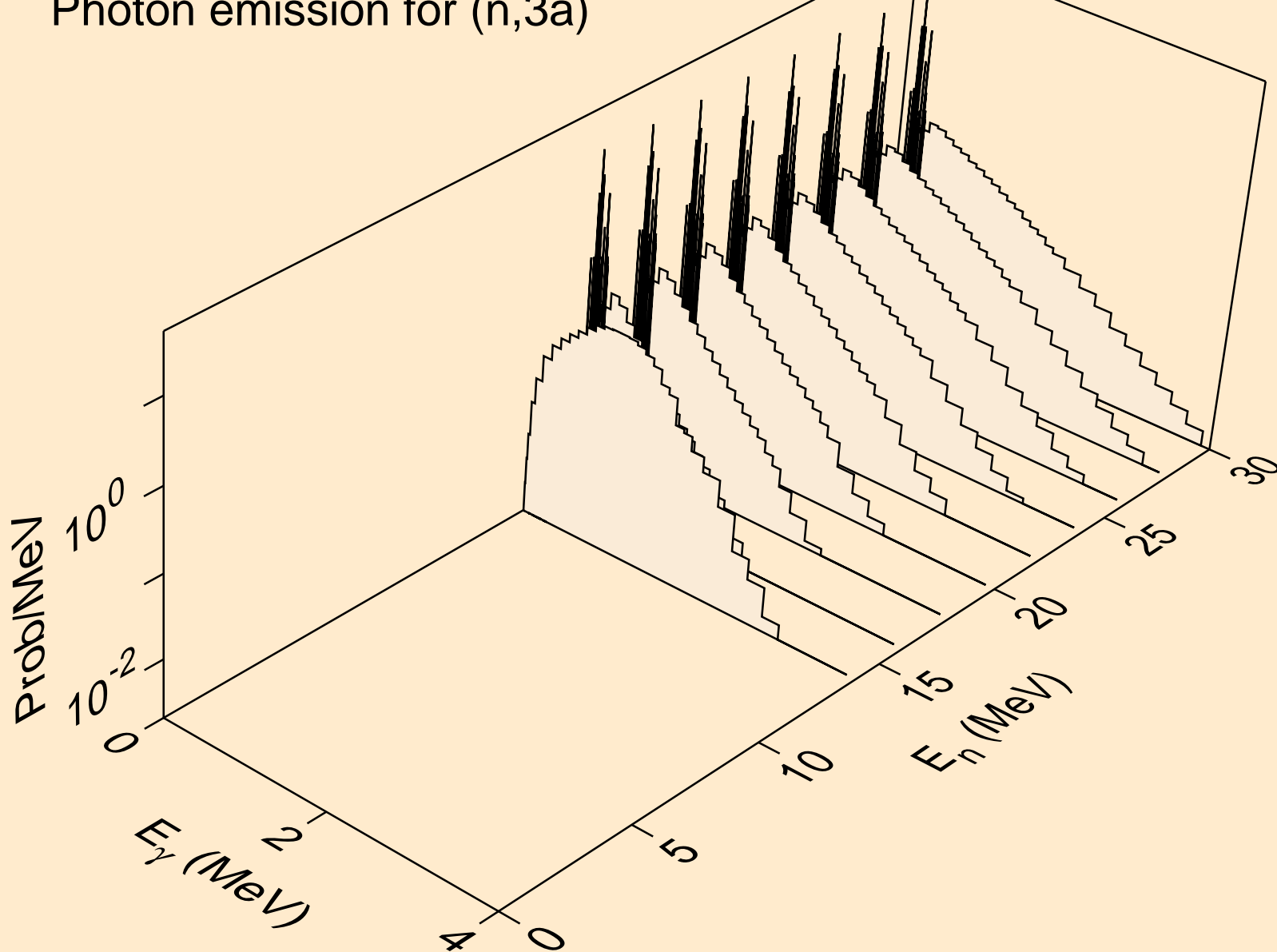
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



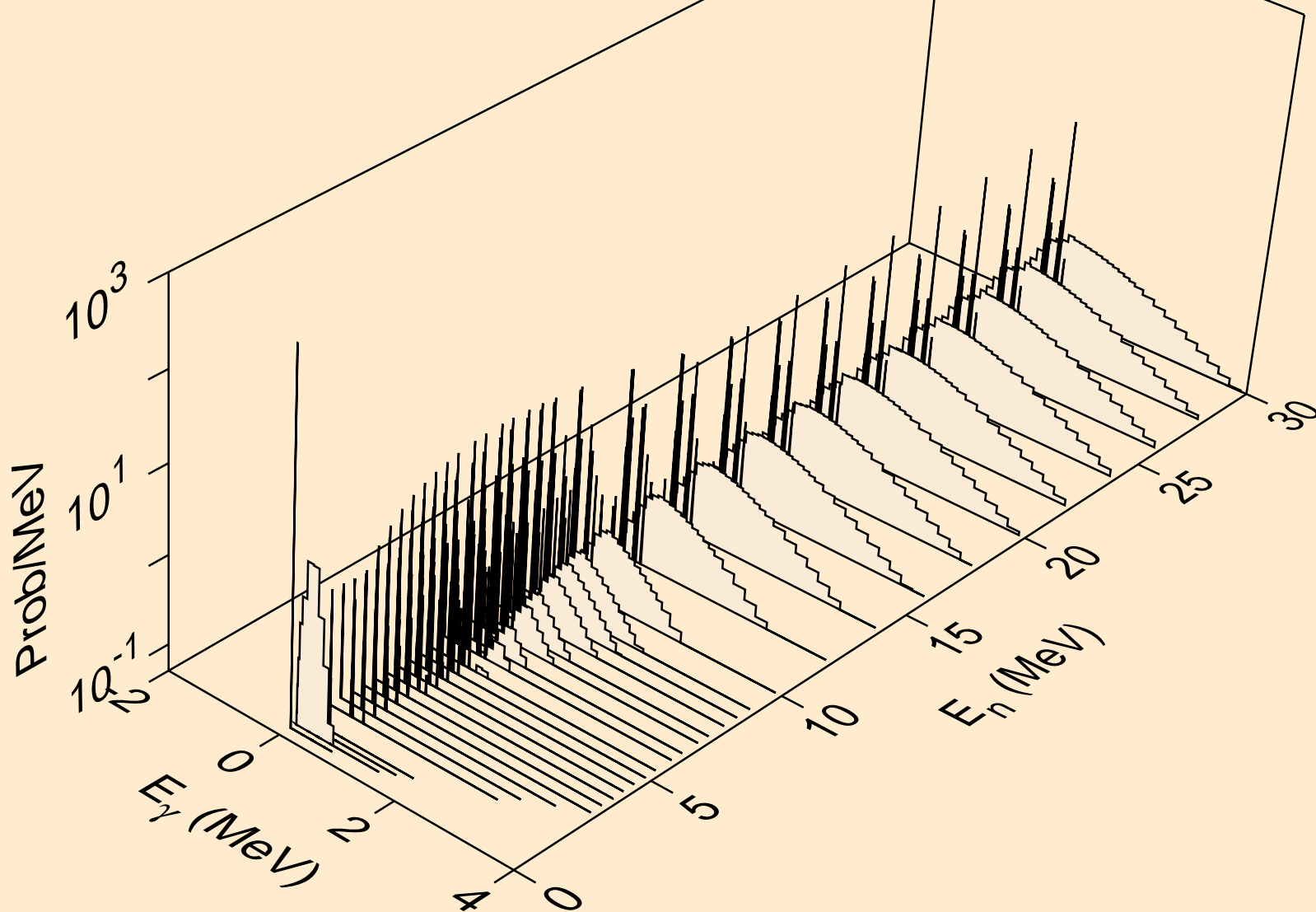
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



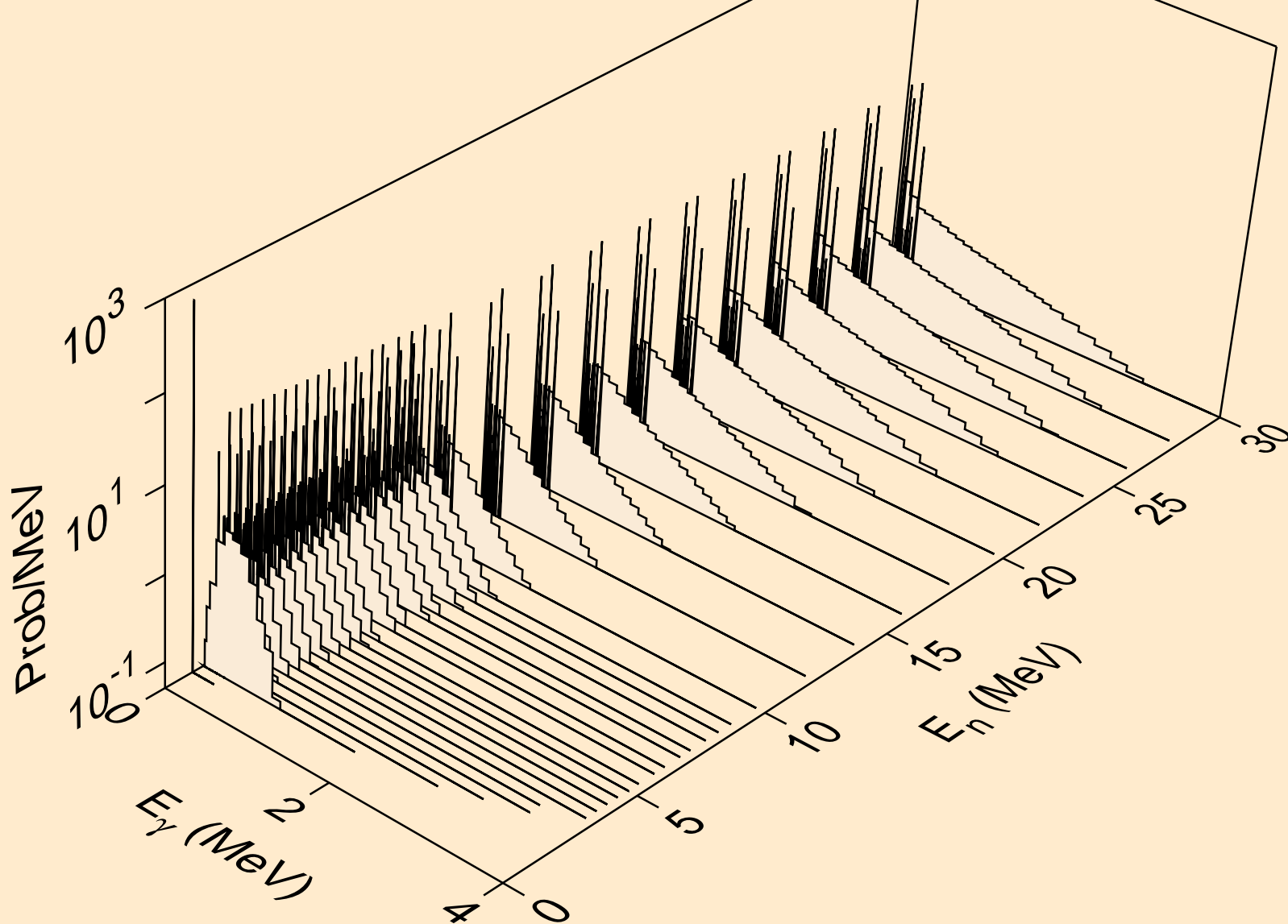
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



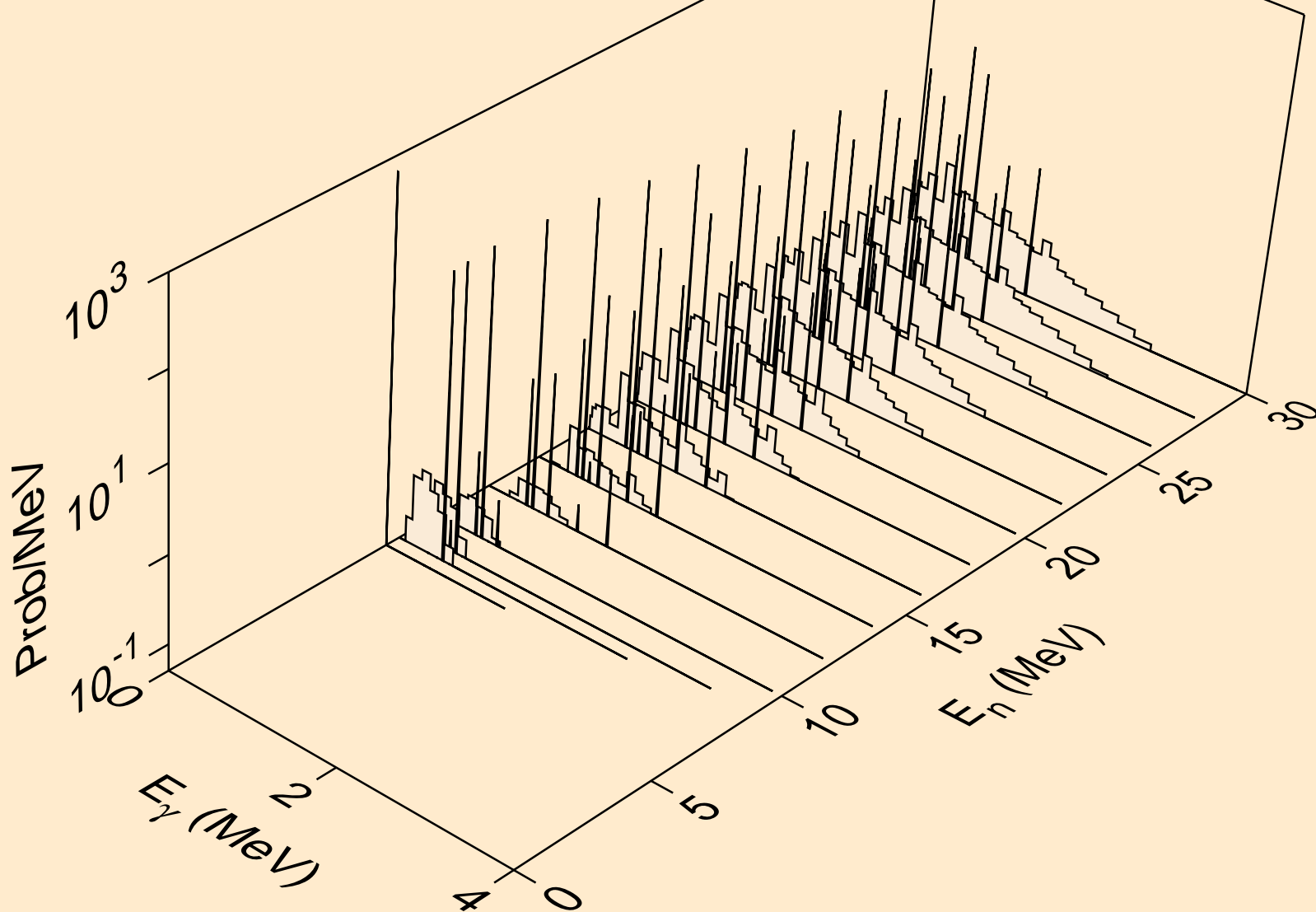
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



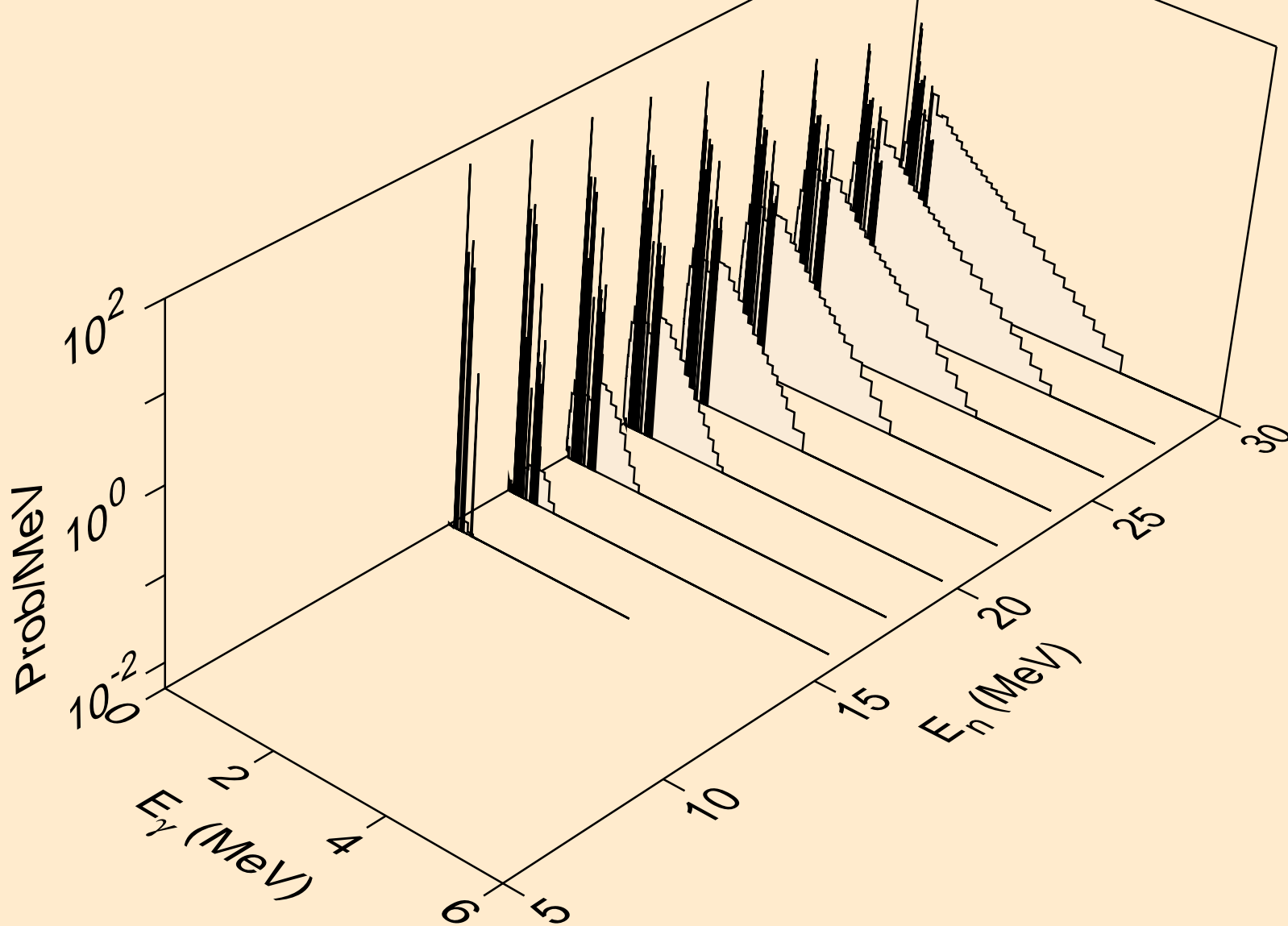
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



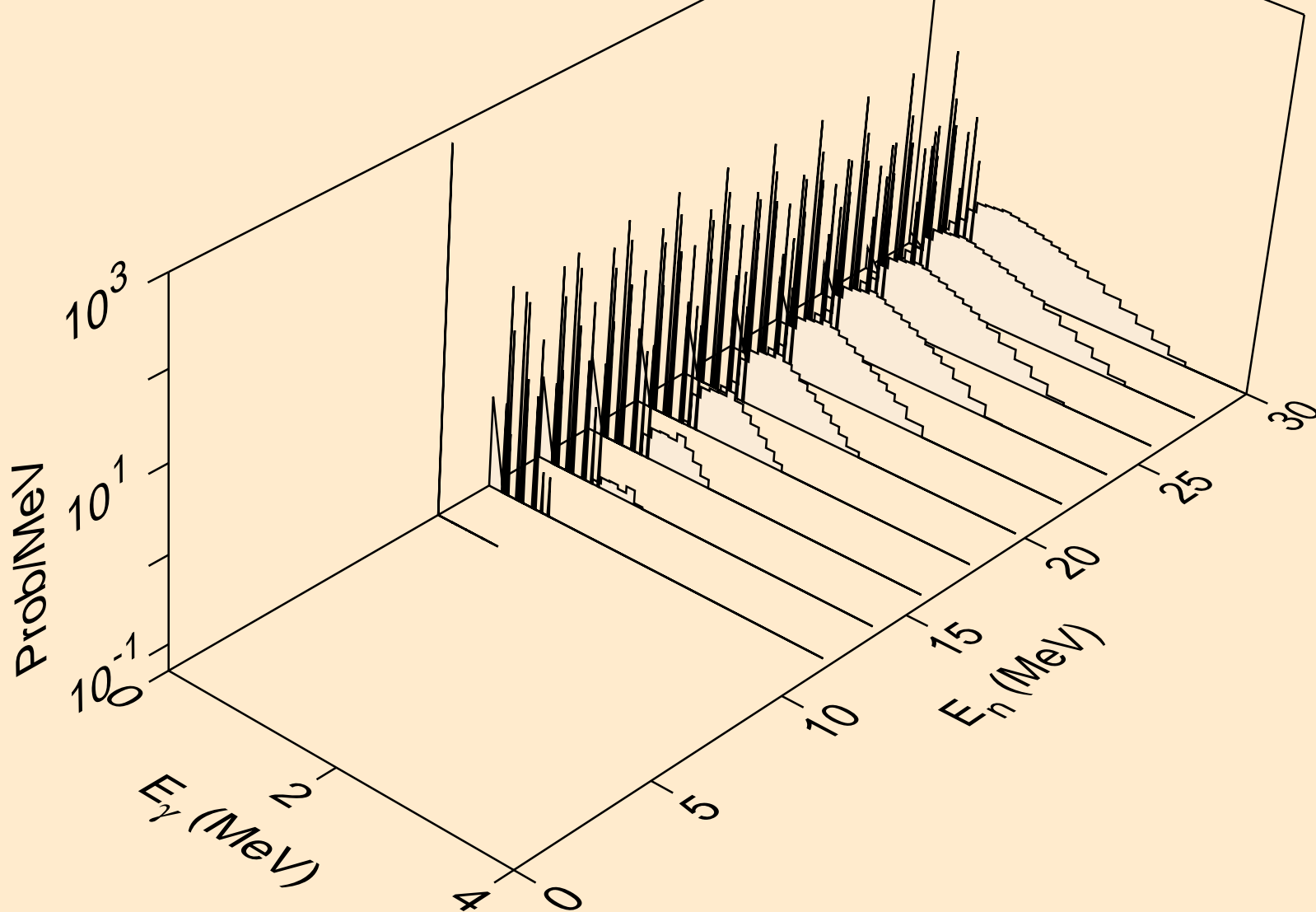
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



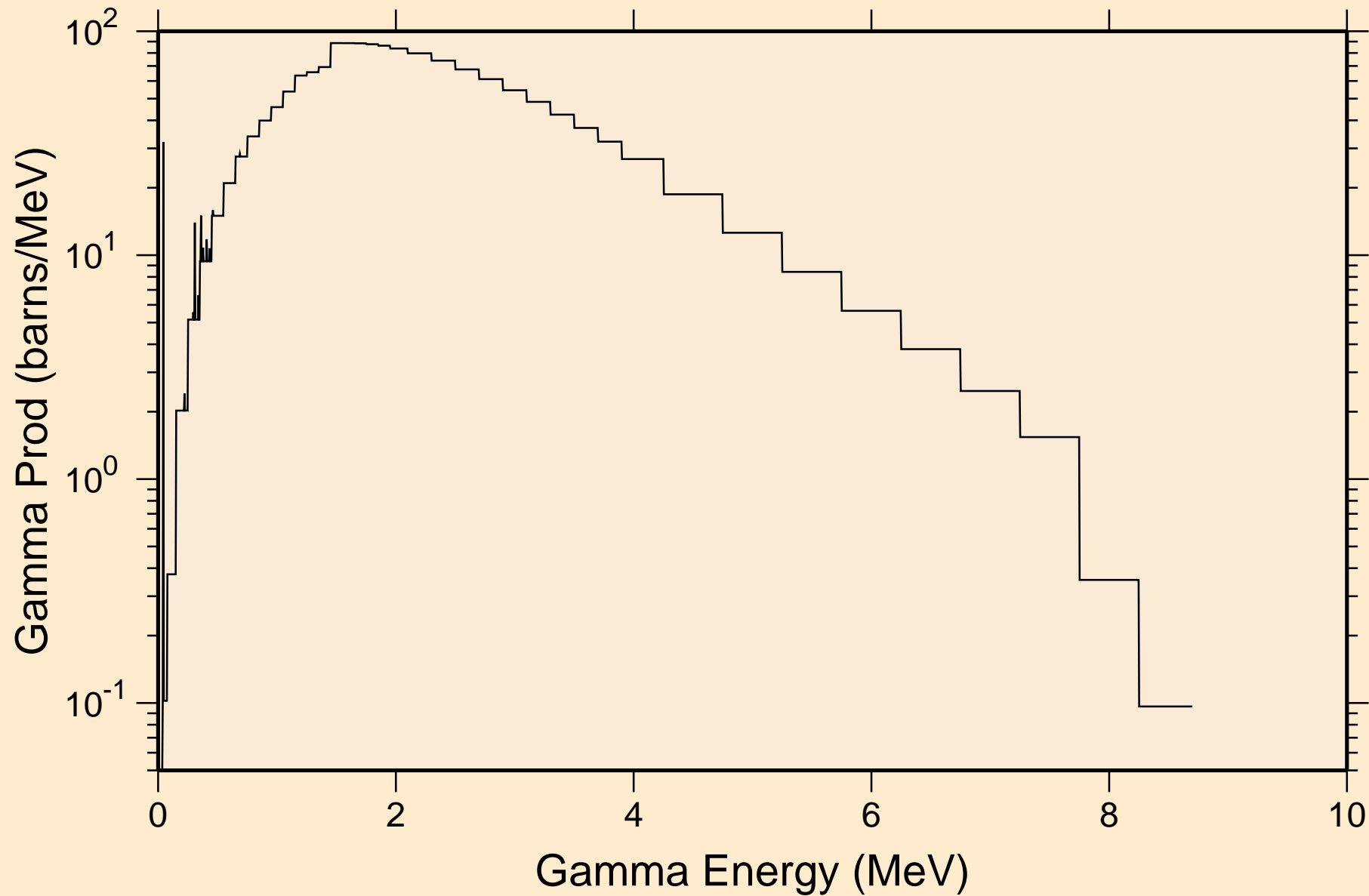
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



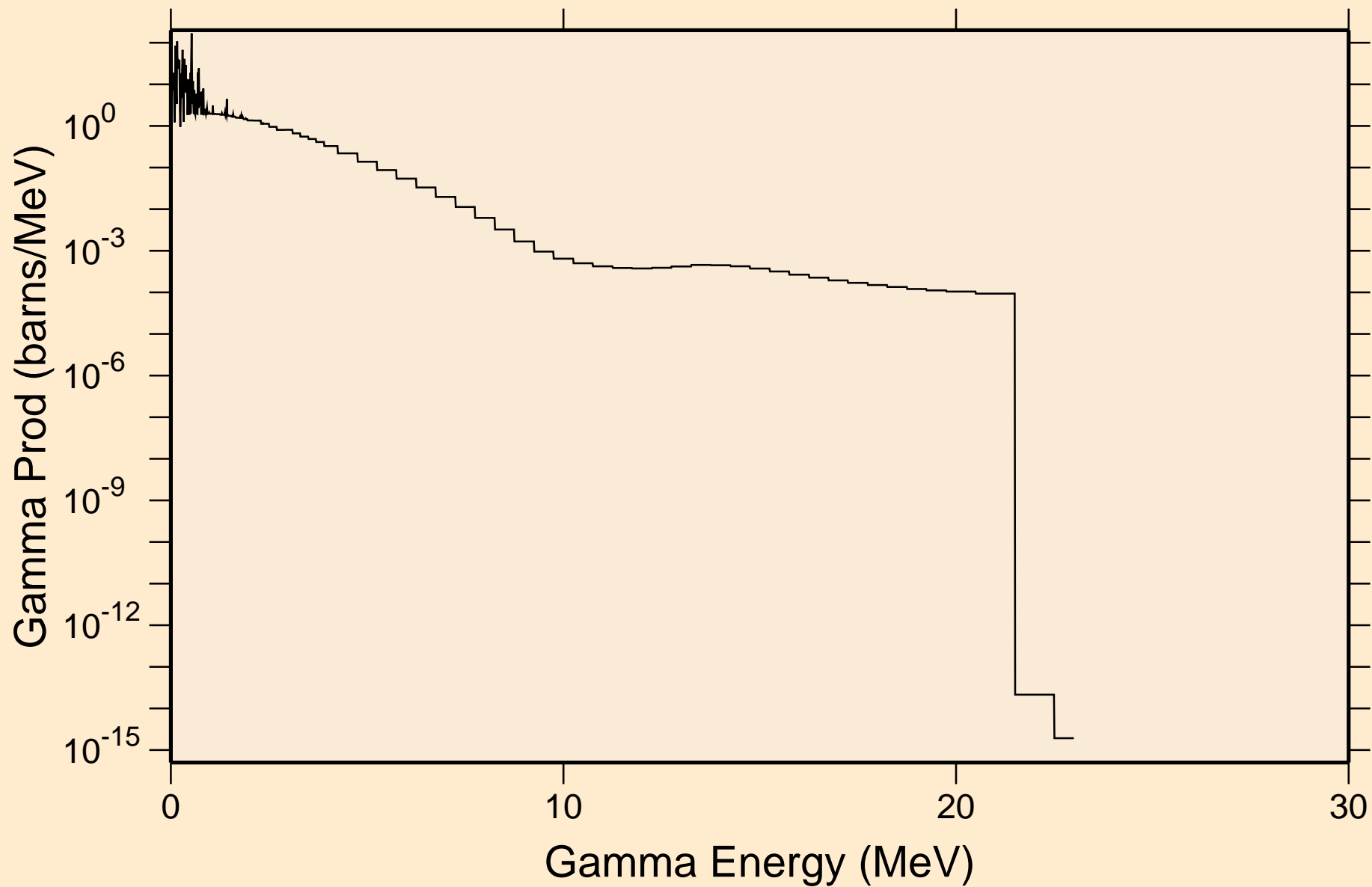
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

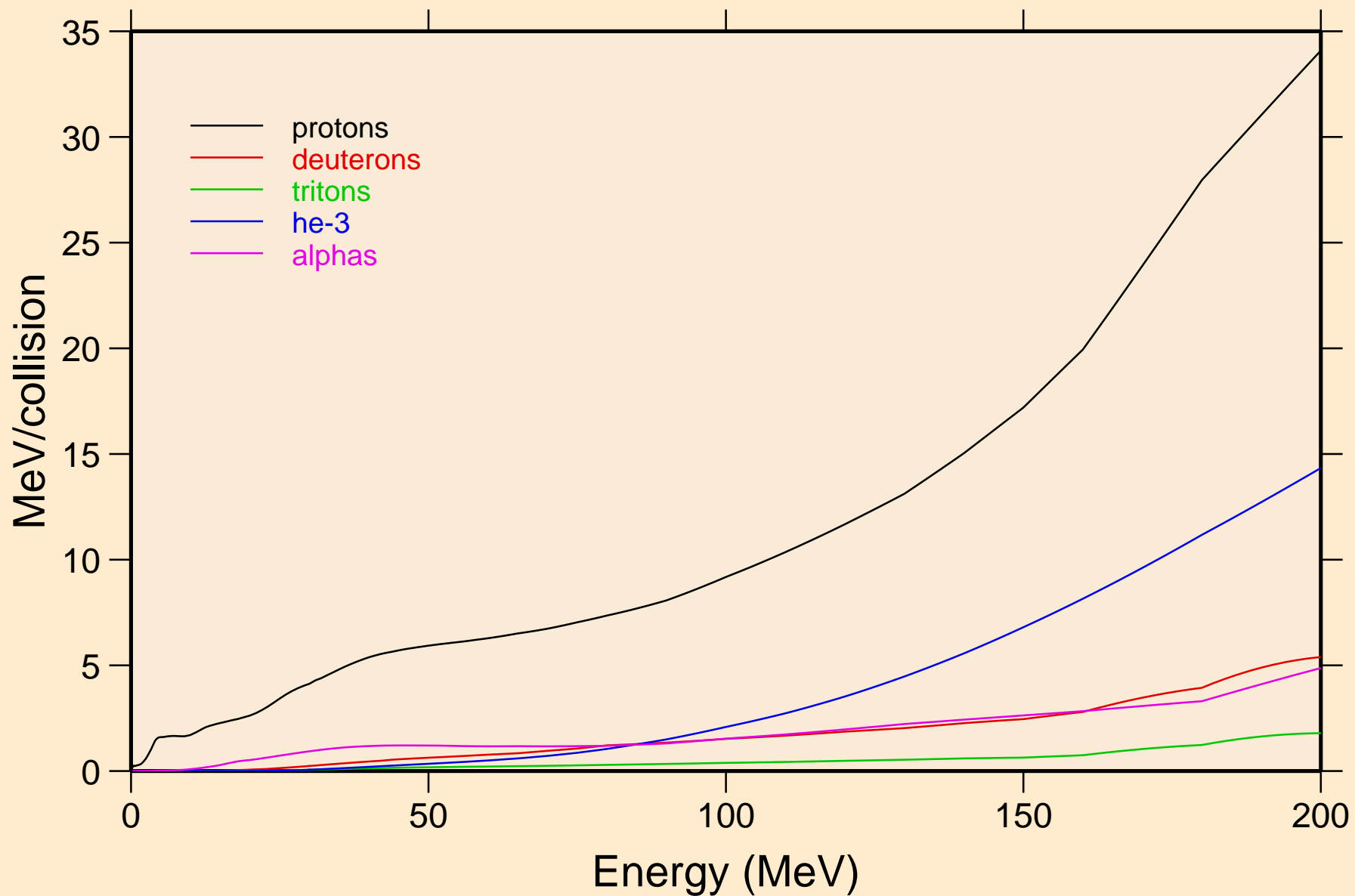


GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



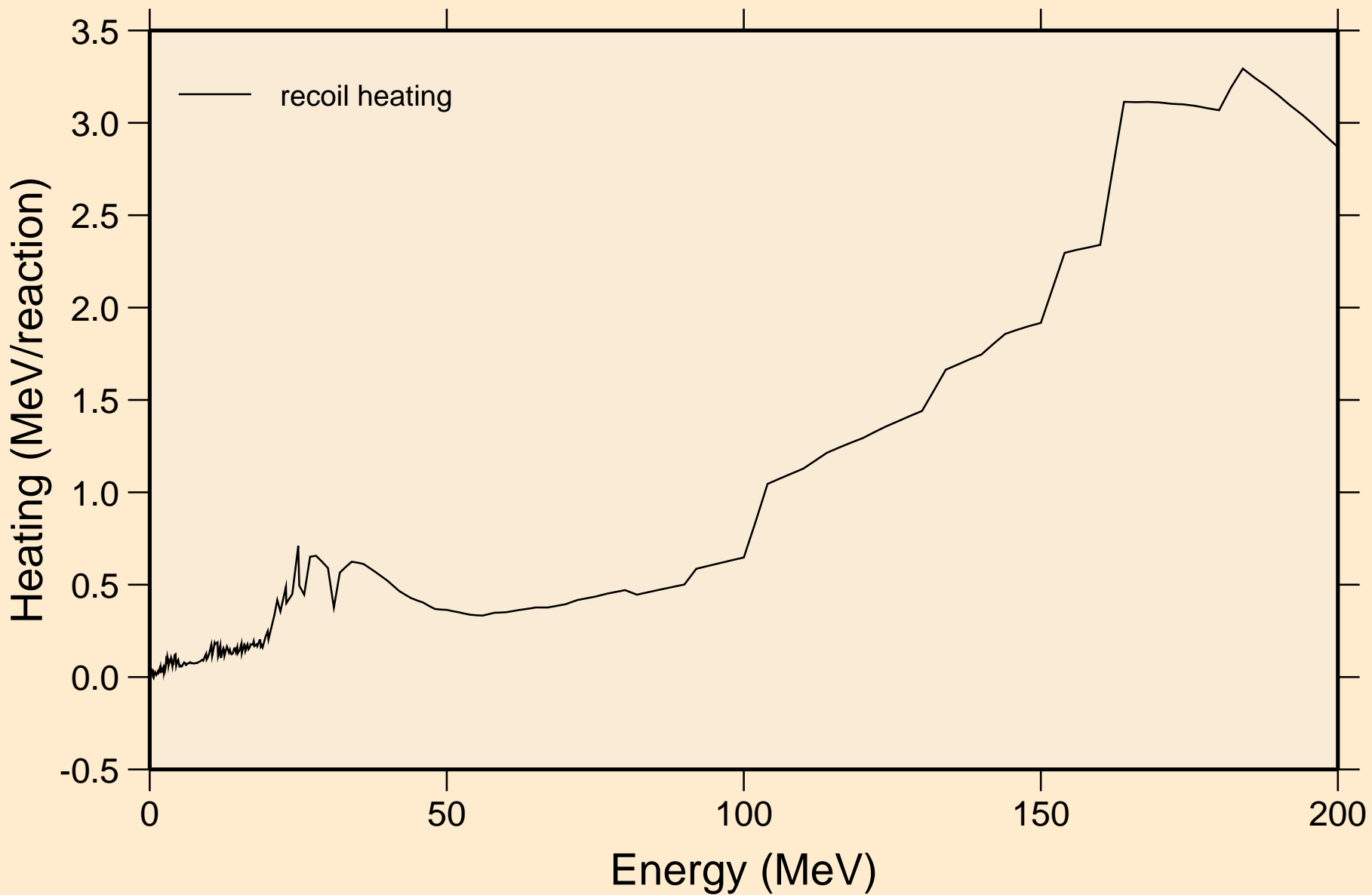
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

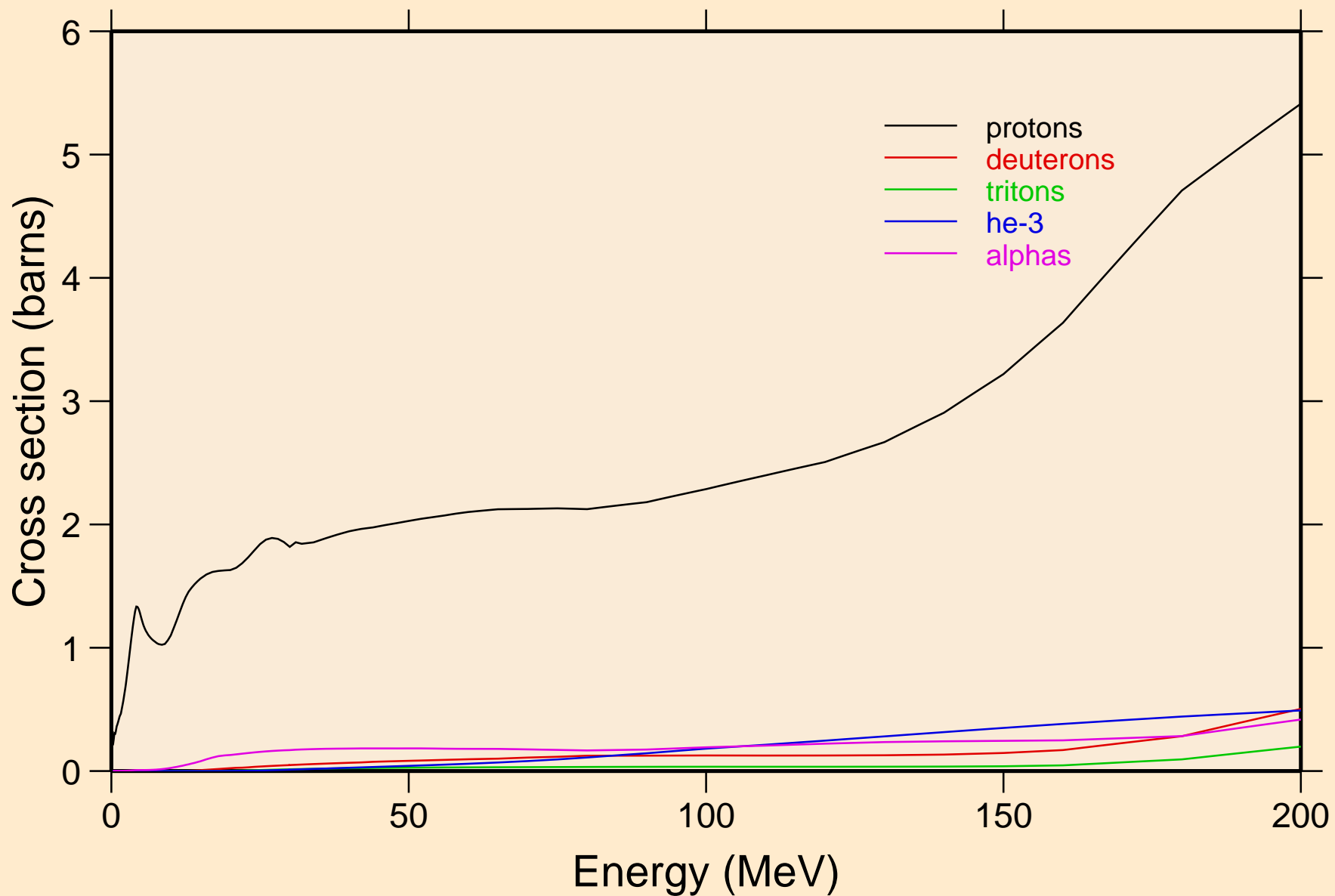


GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

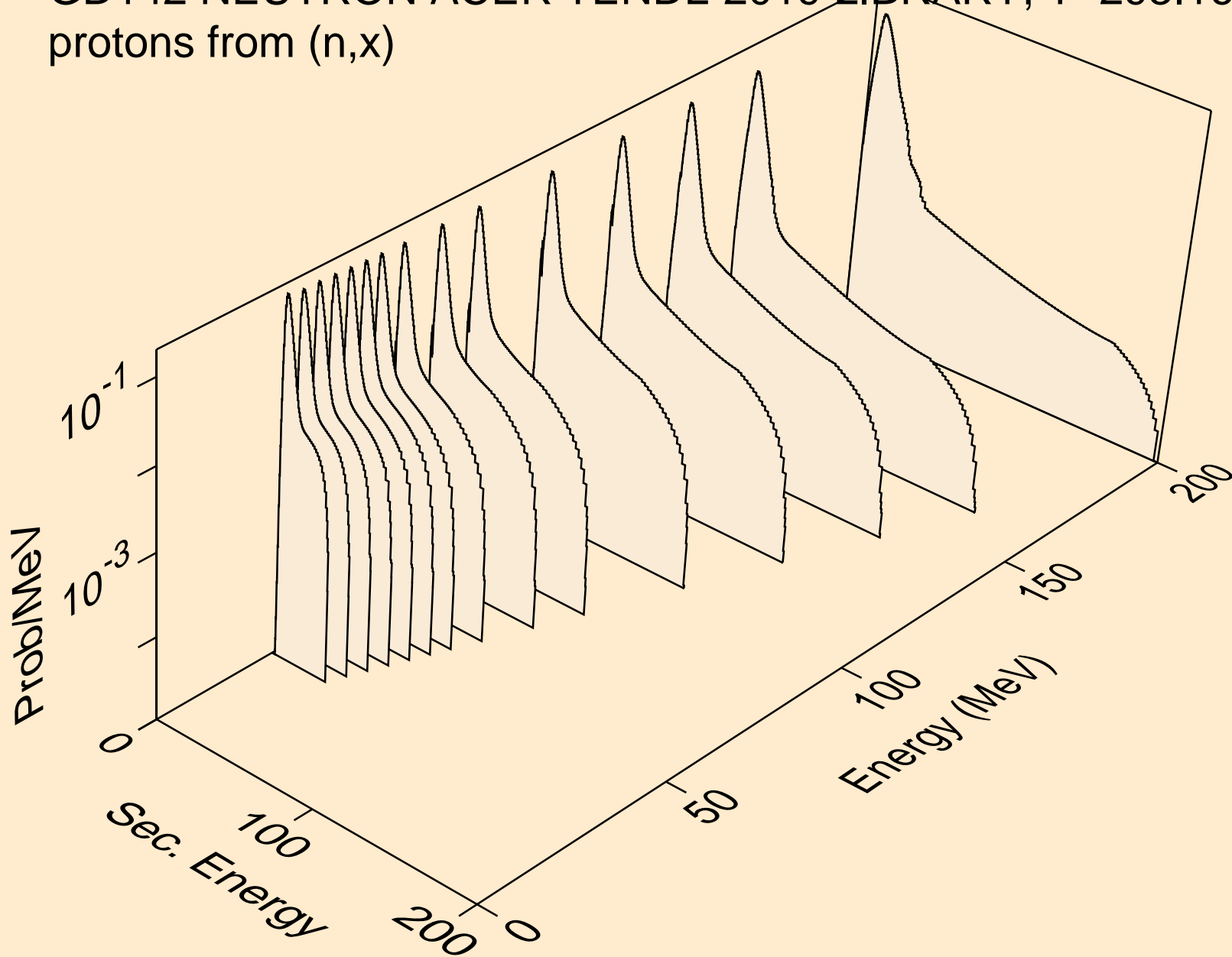
Recoil Heating



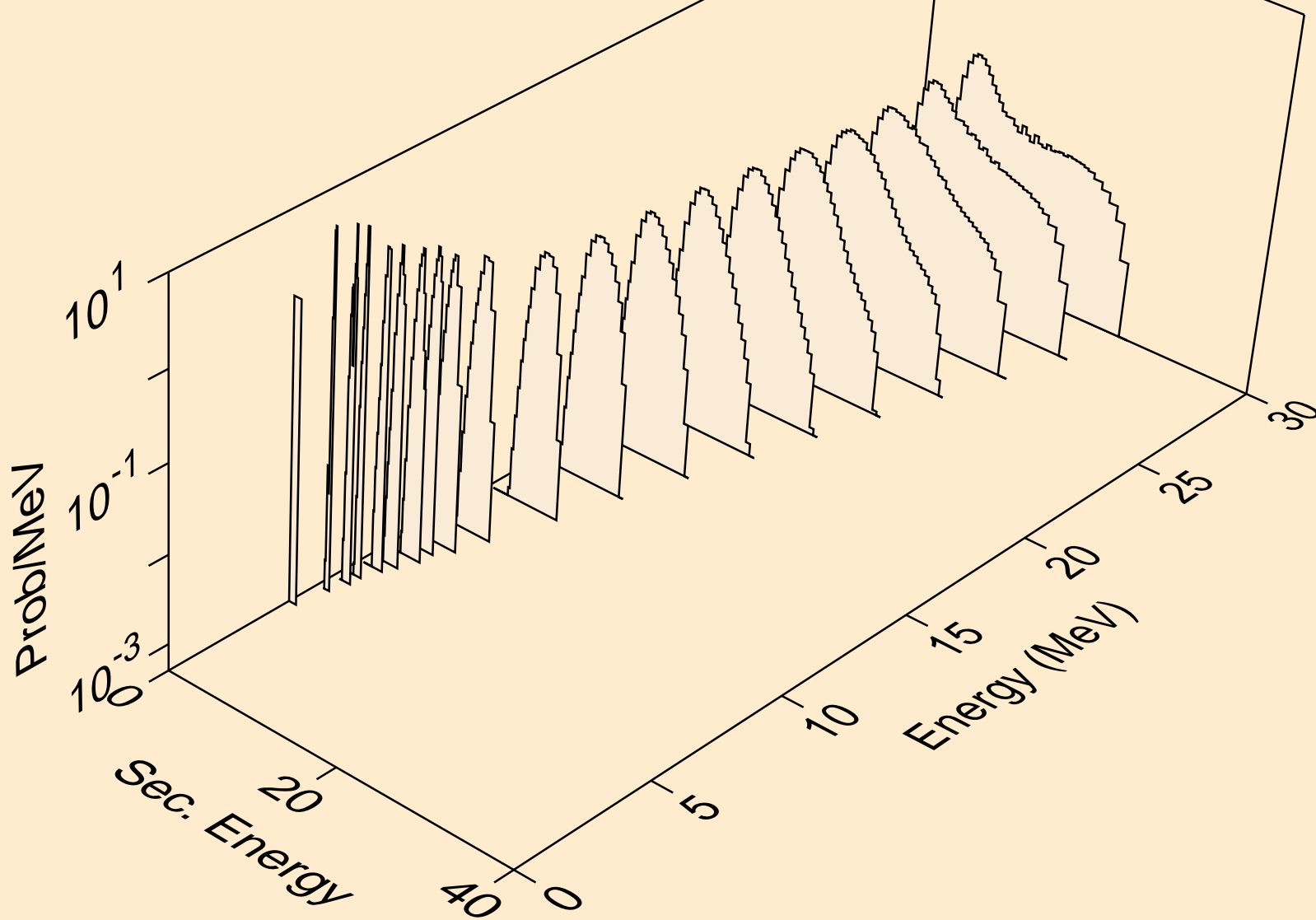
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



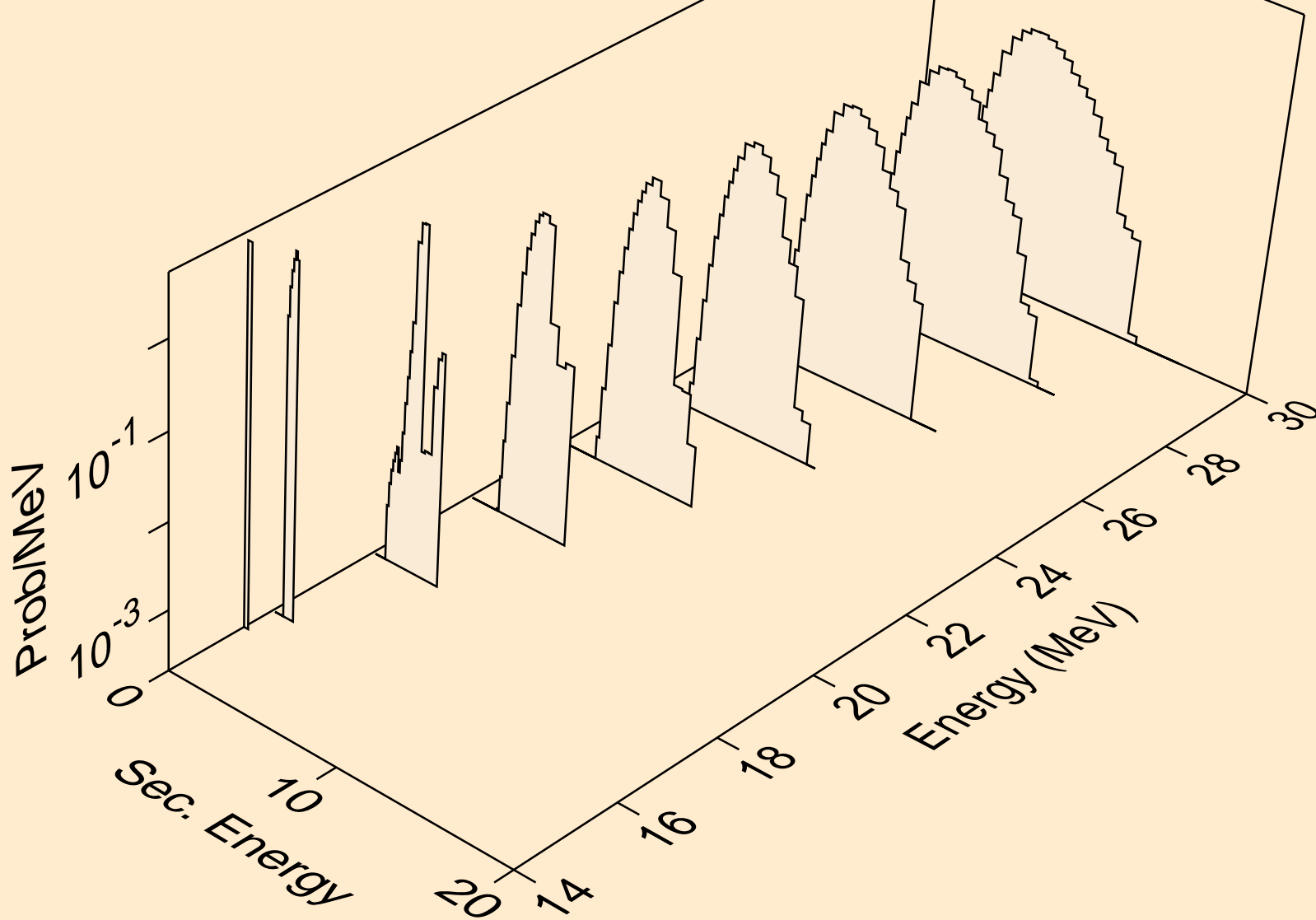
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



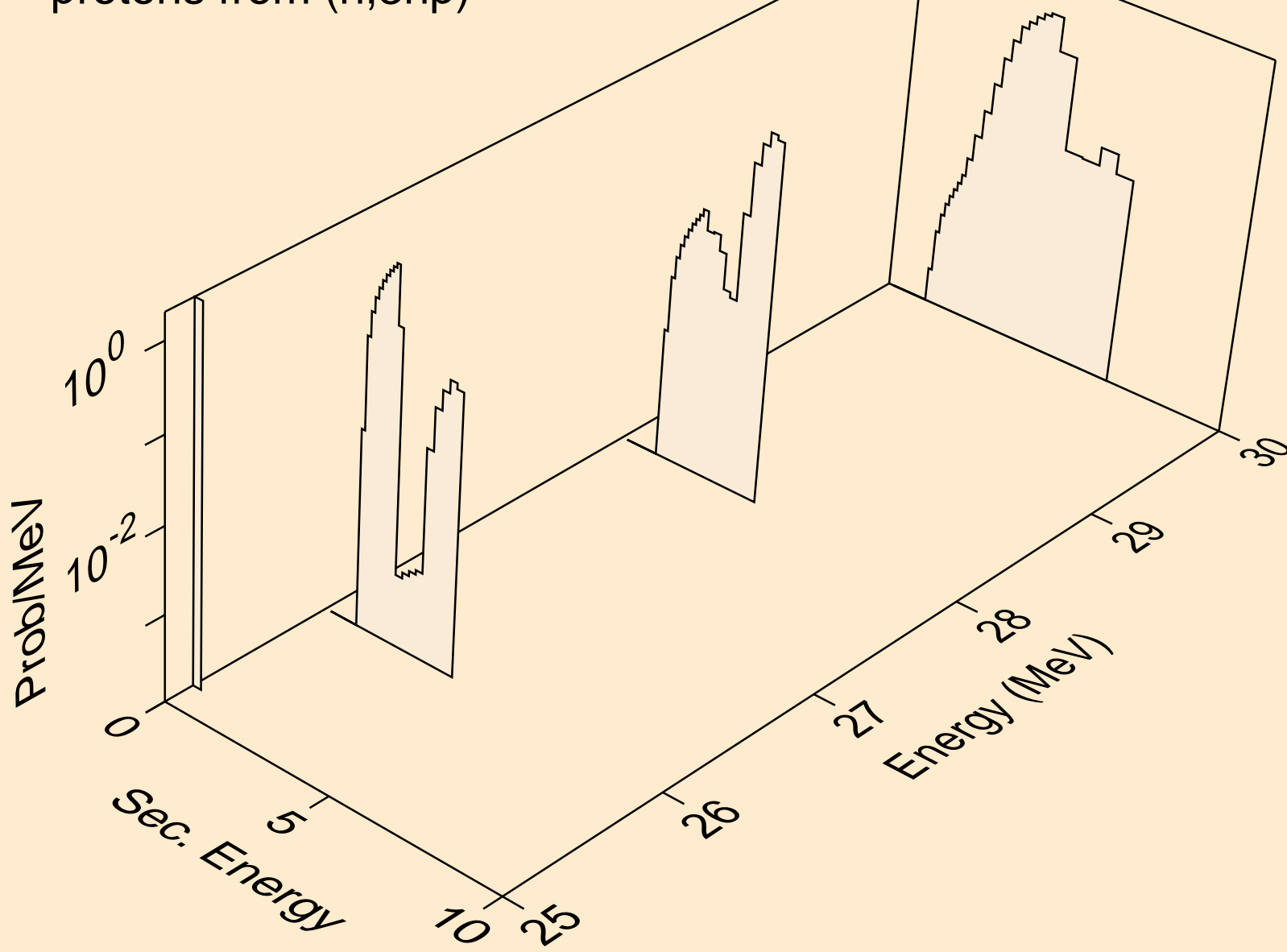
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



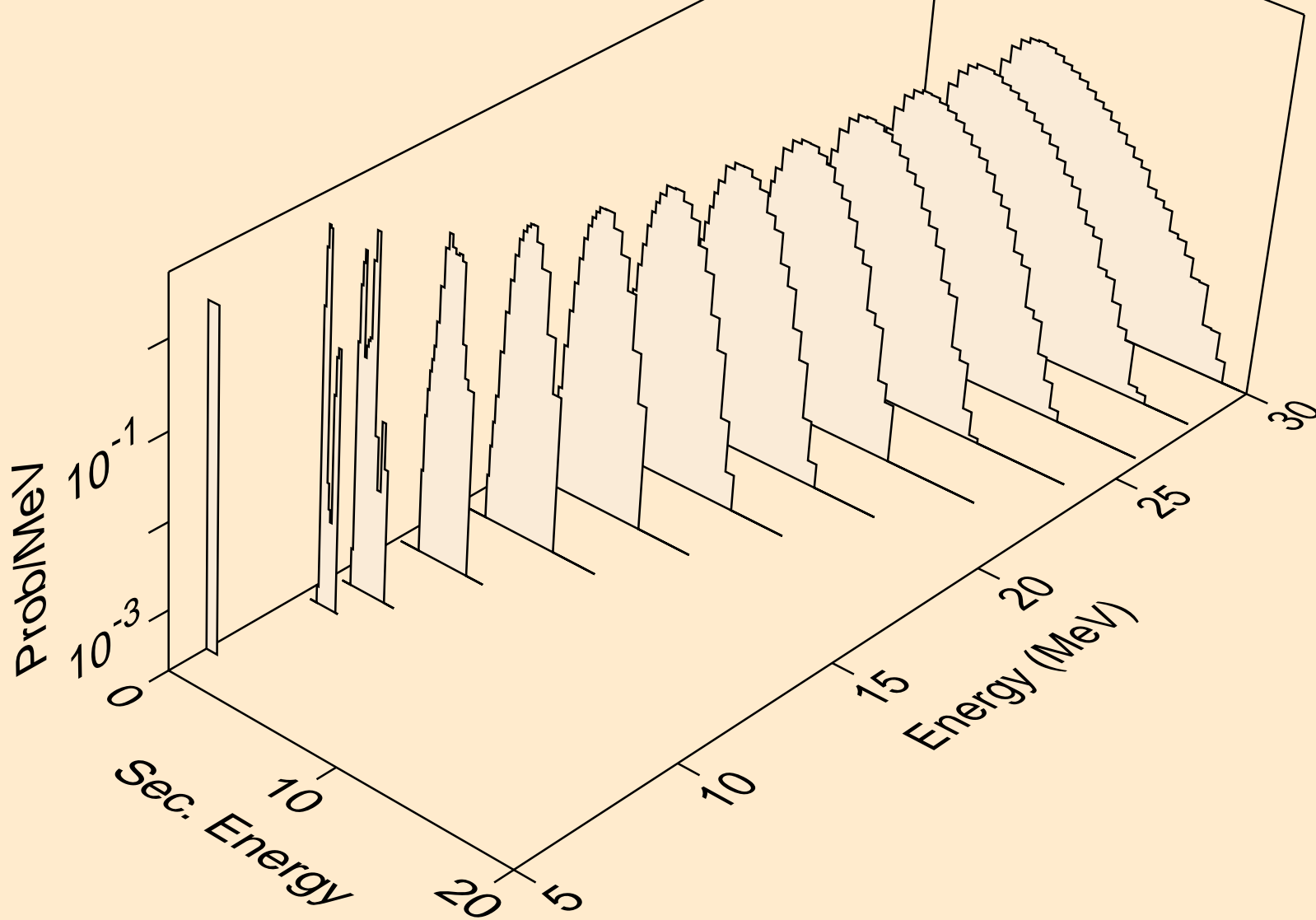
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



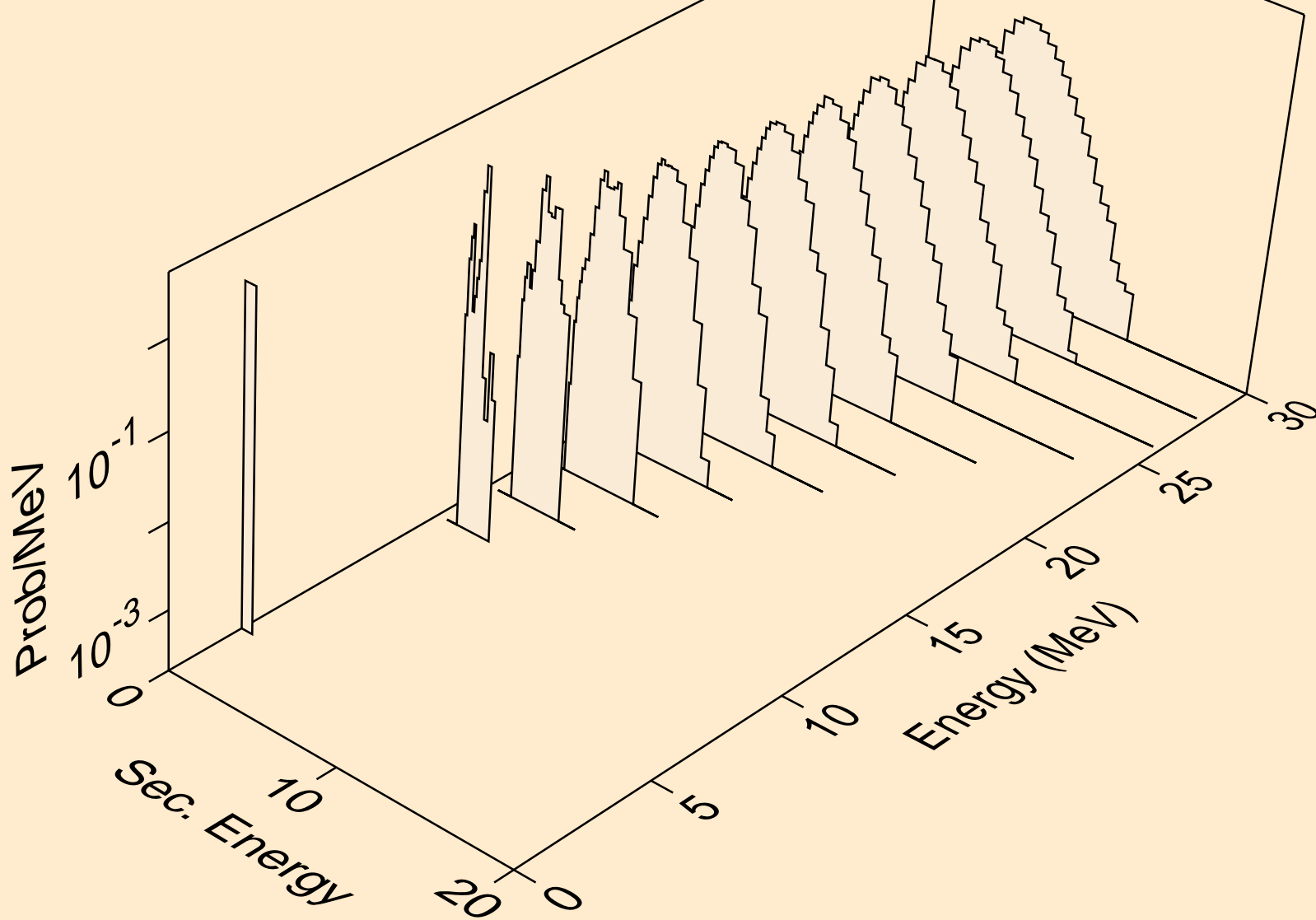
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protons from (n,3np)



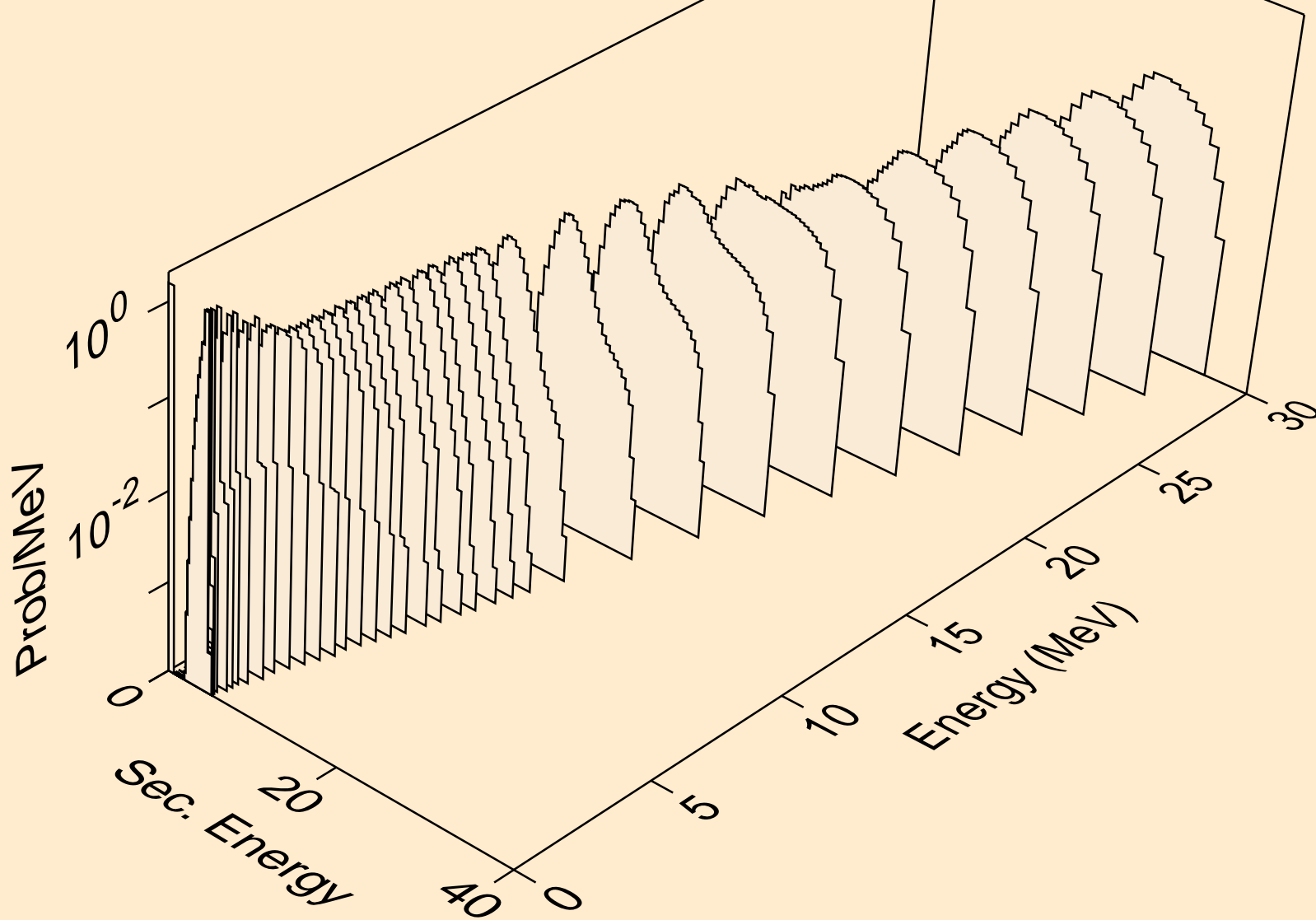
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protons from (n,2np)



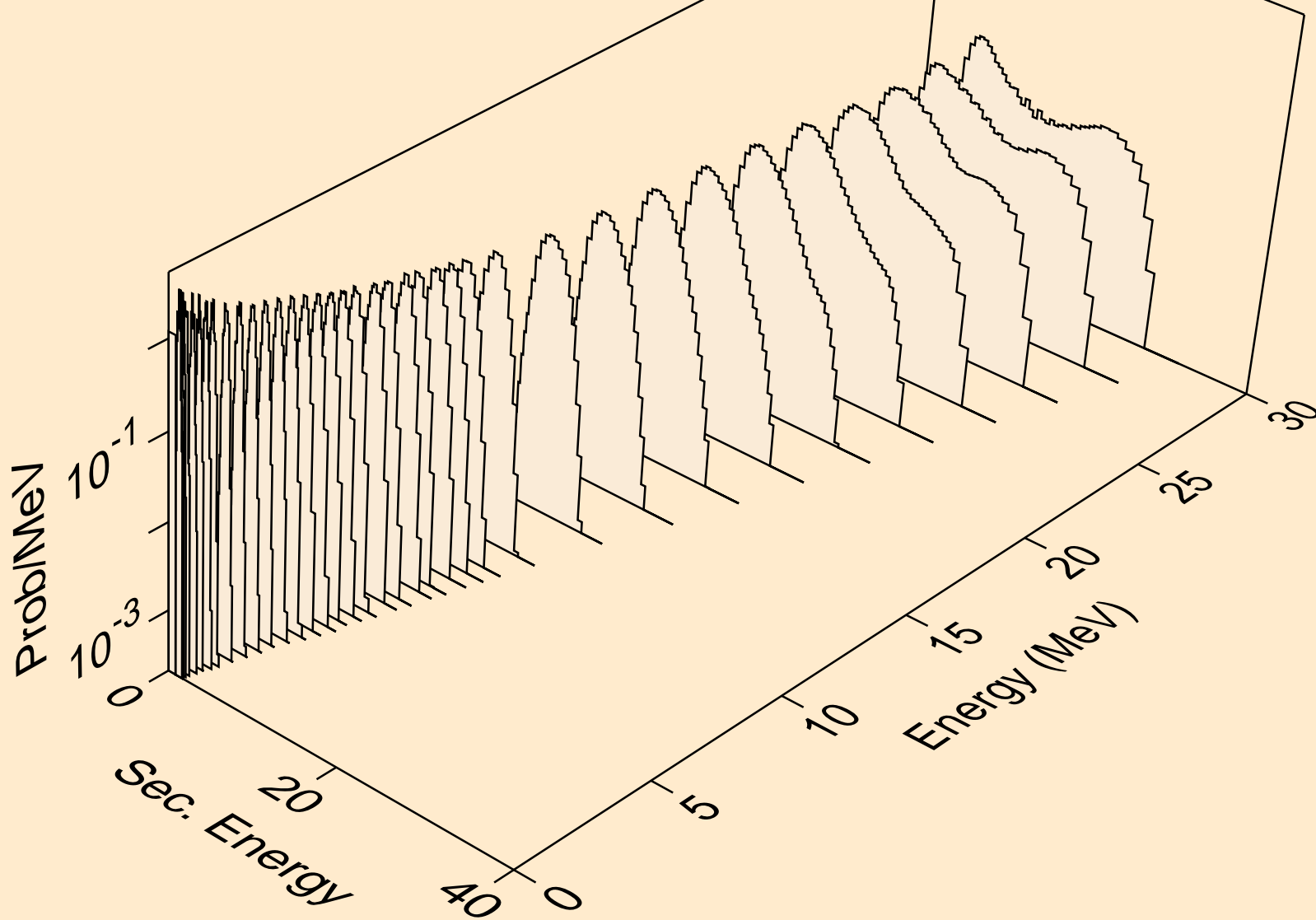
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protons from (n,npa)



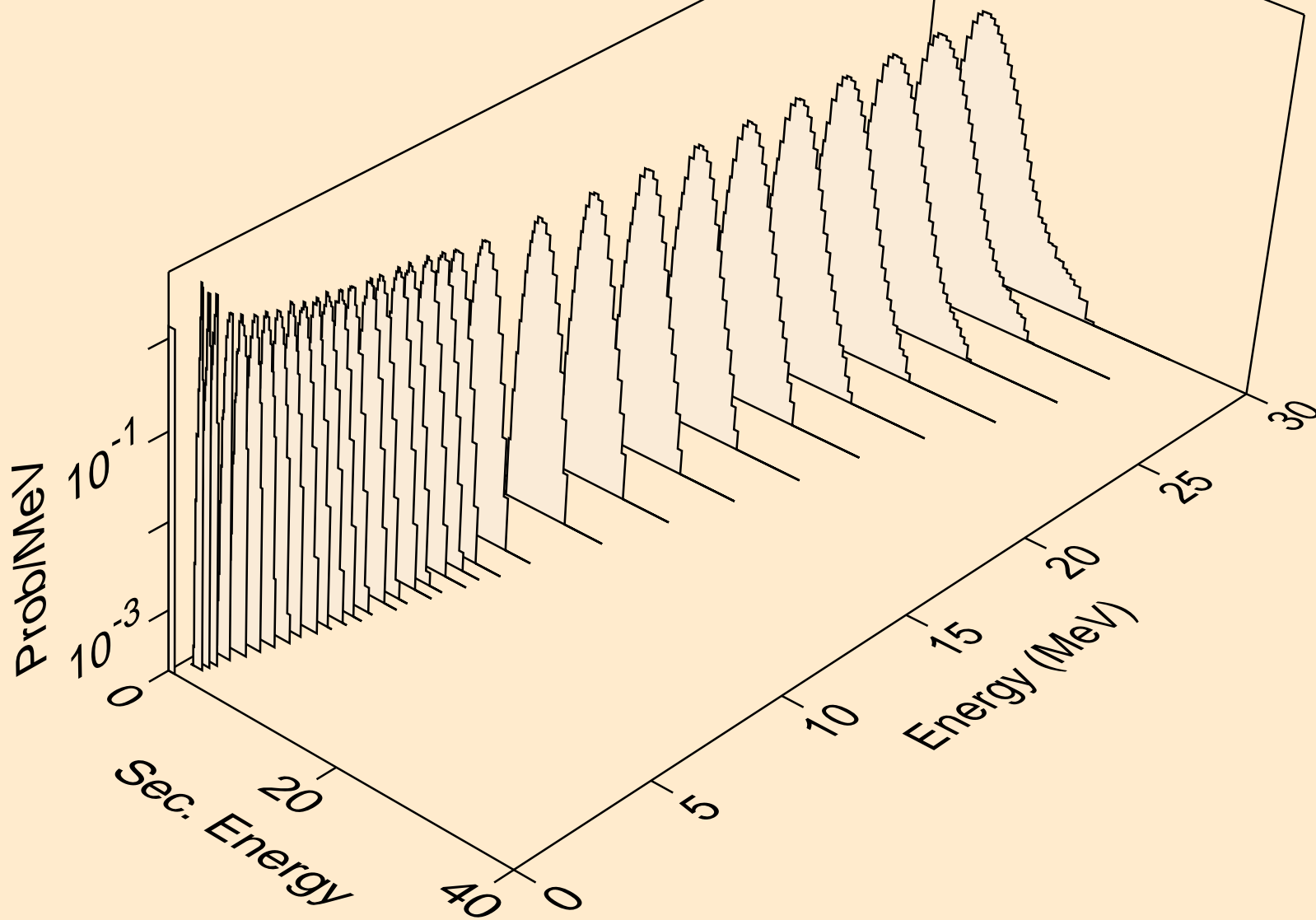
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



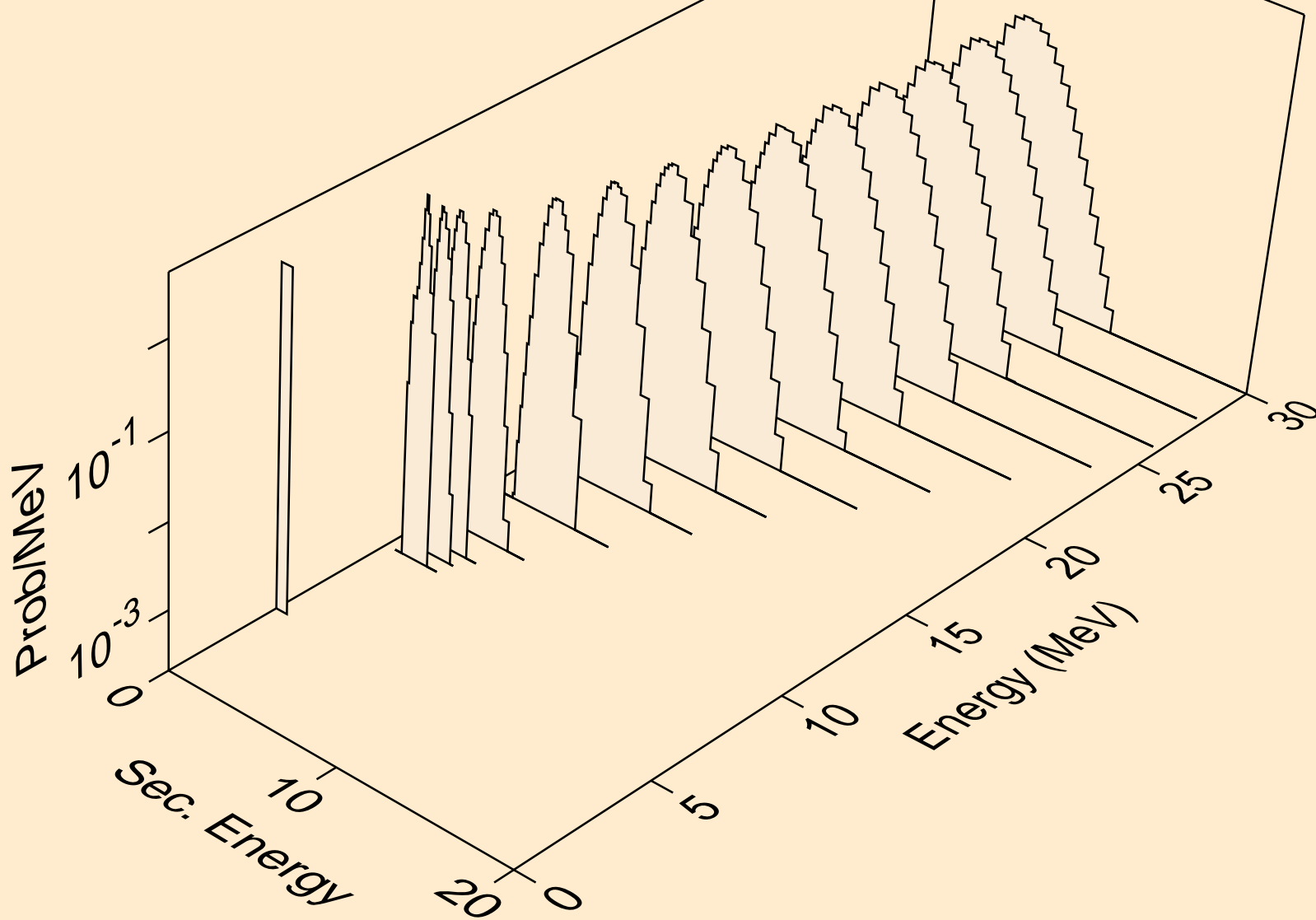
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protons from (n,2p)



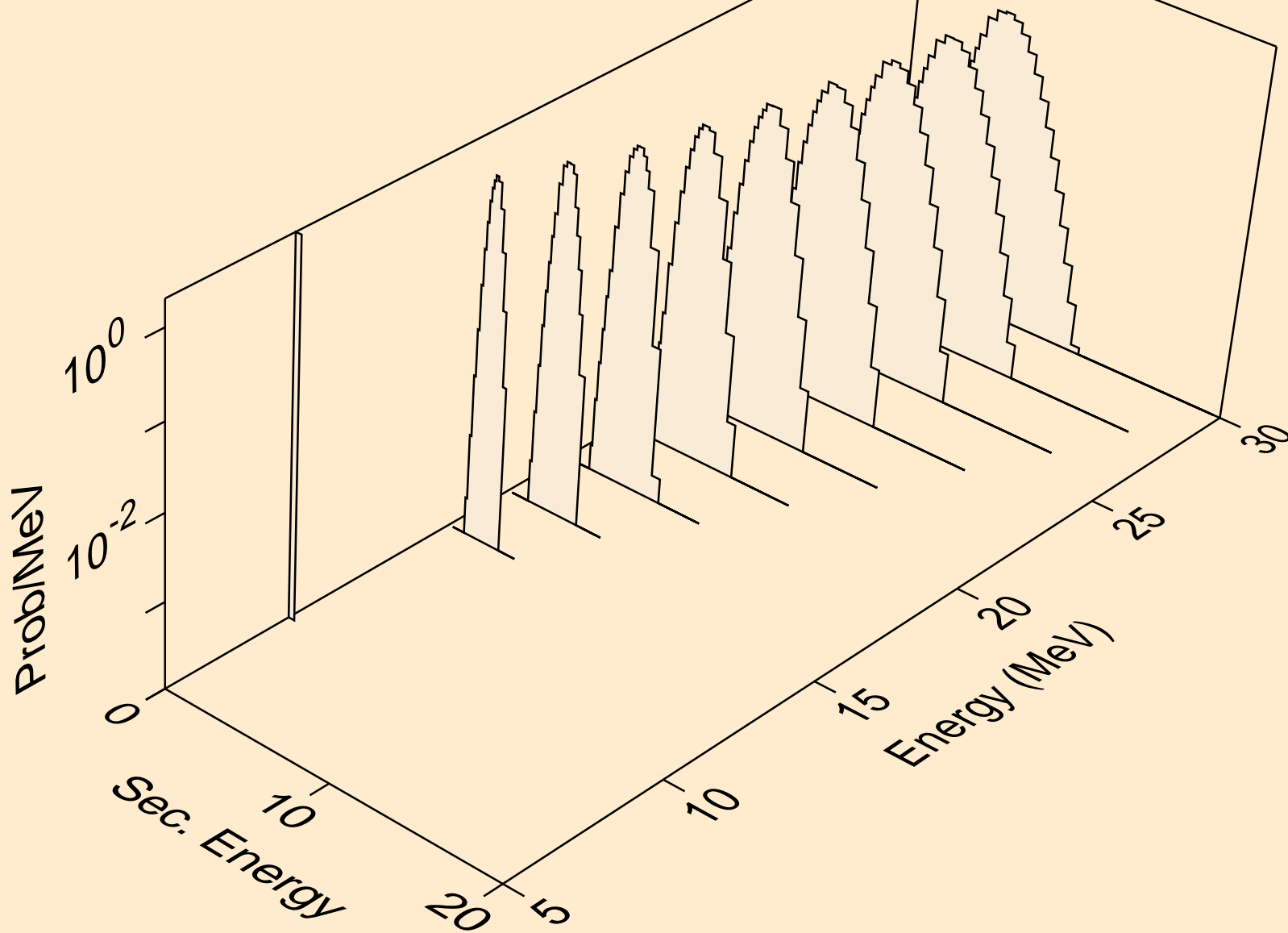
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protons from (n,p)



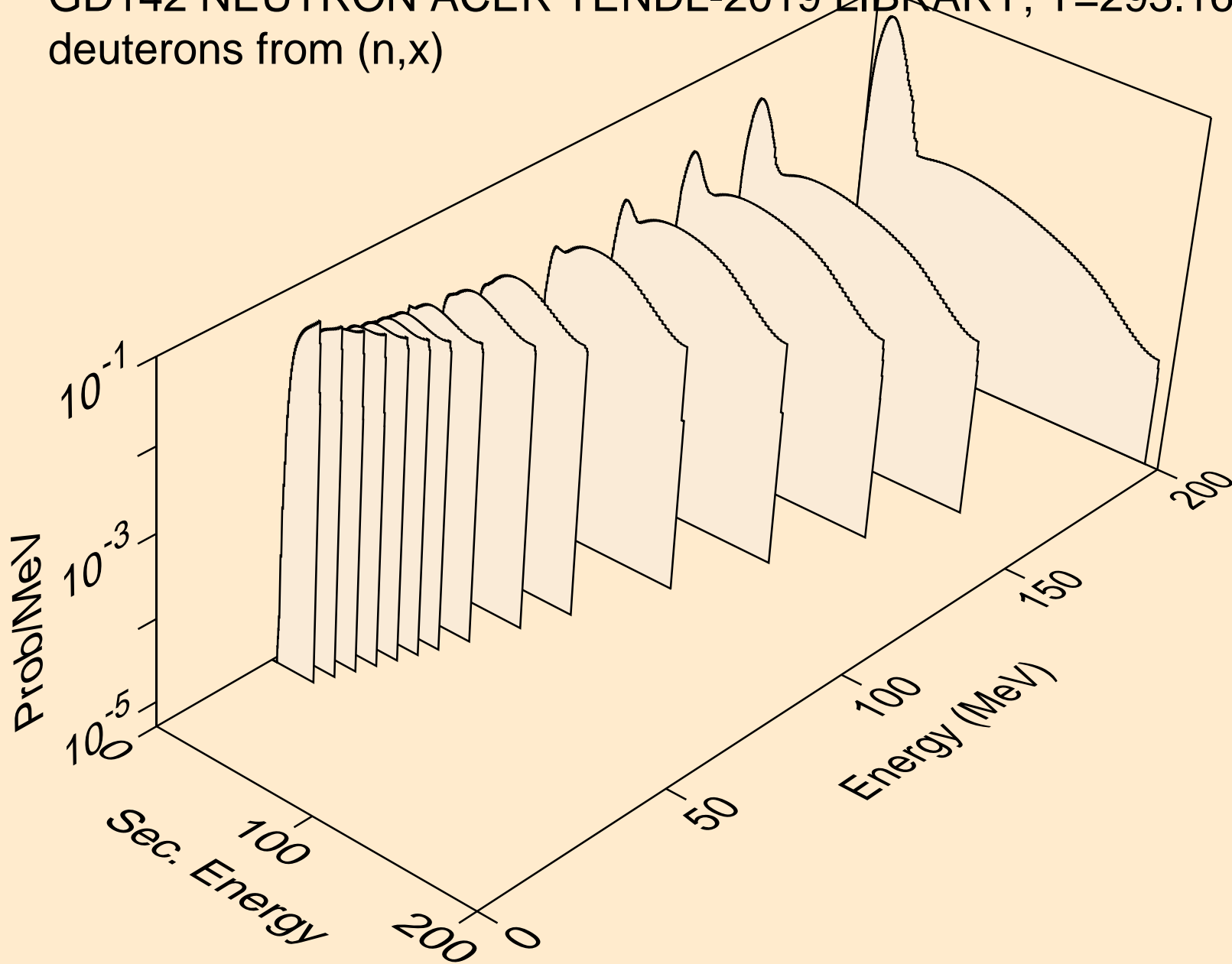
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protons from (n,pd)



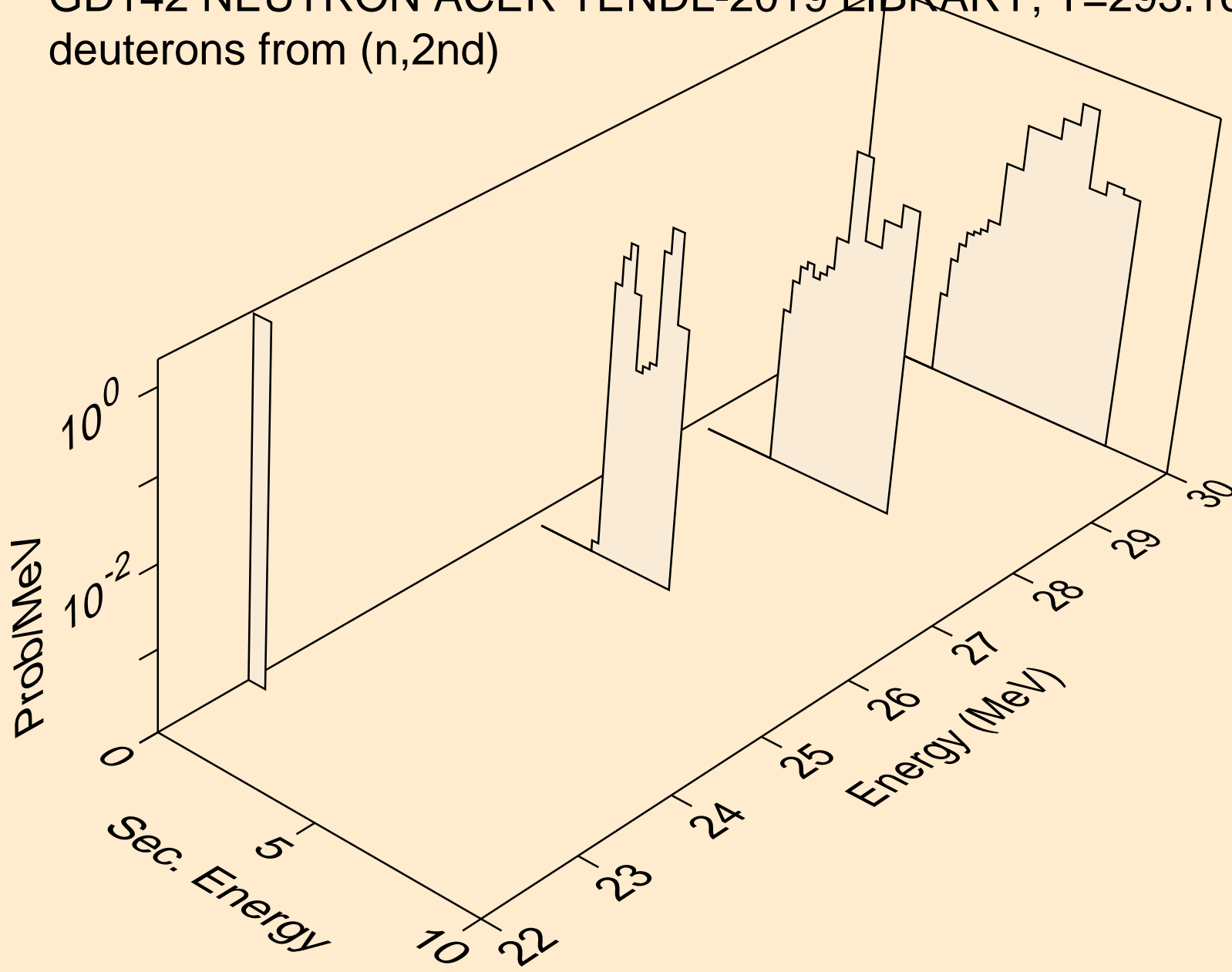
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



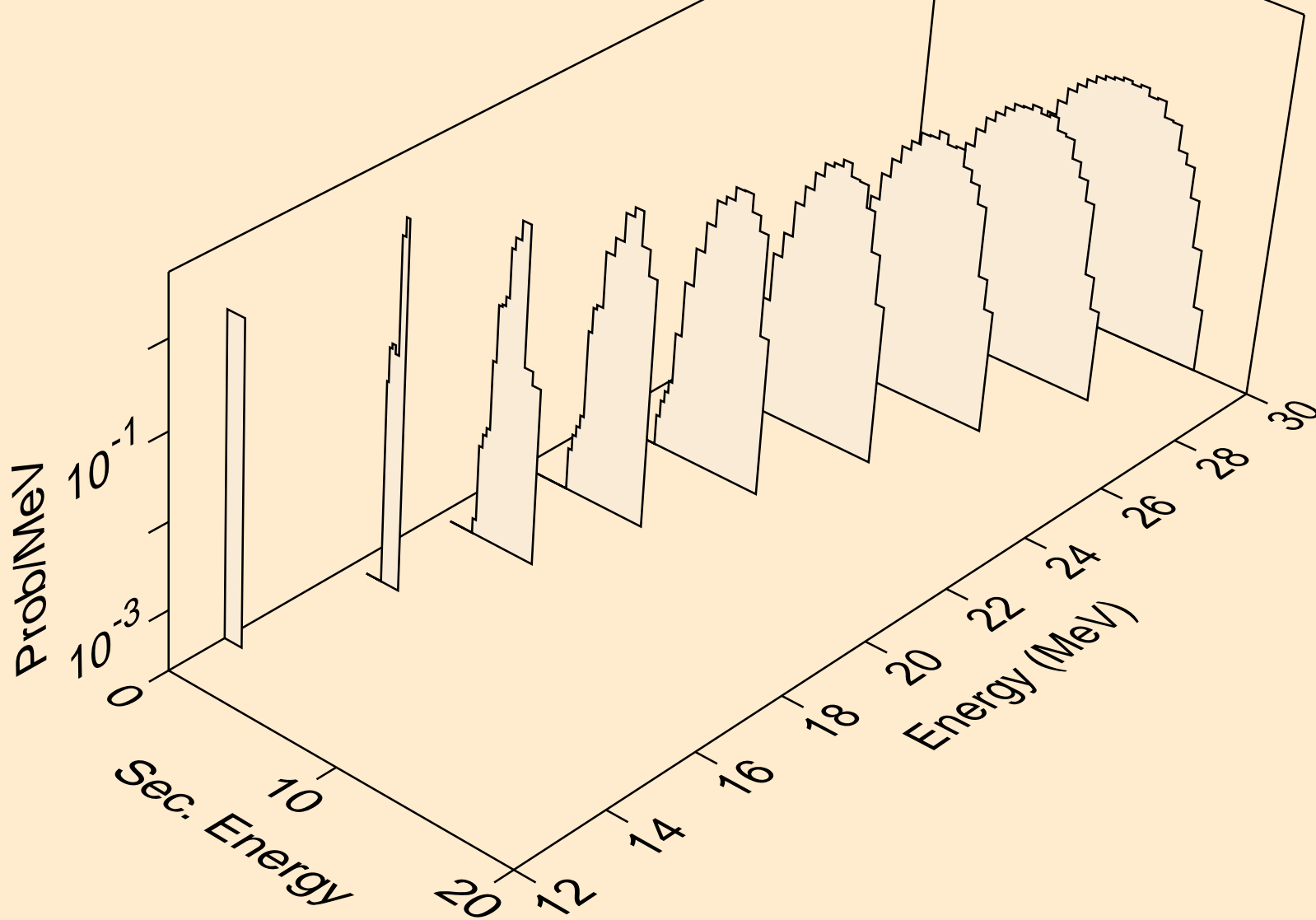
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



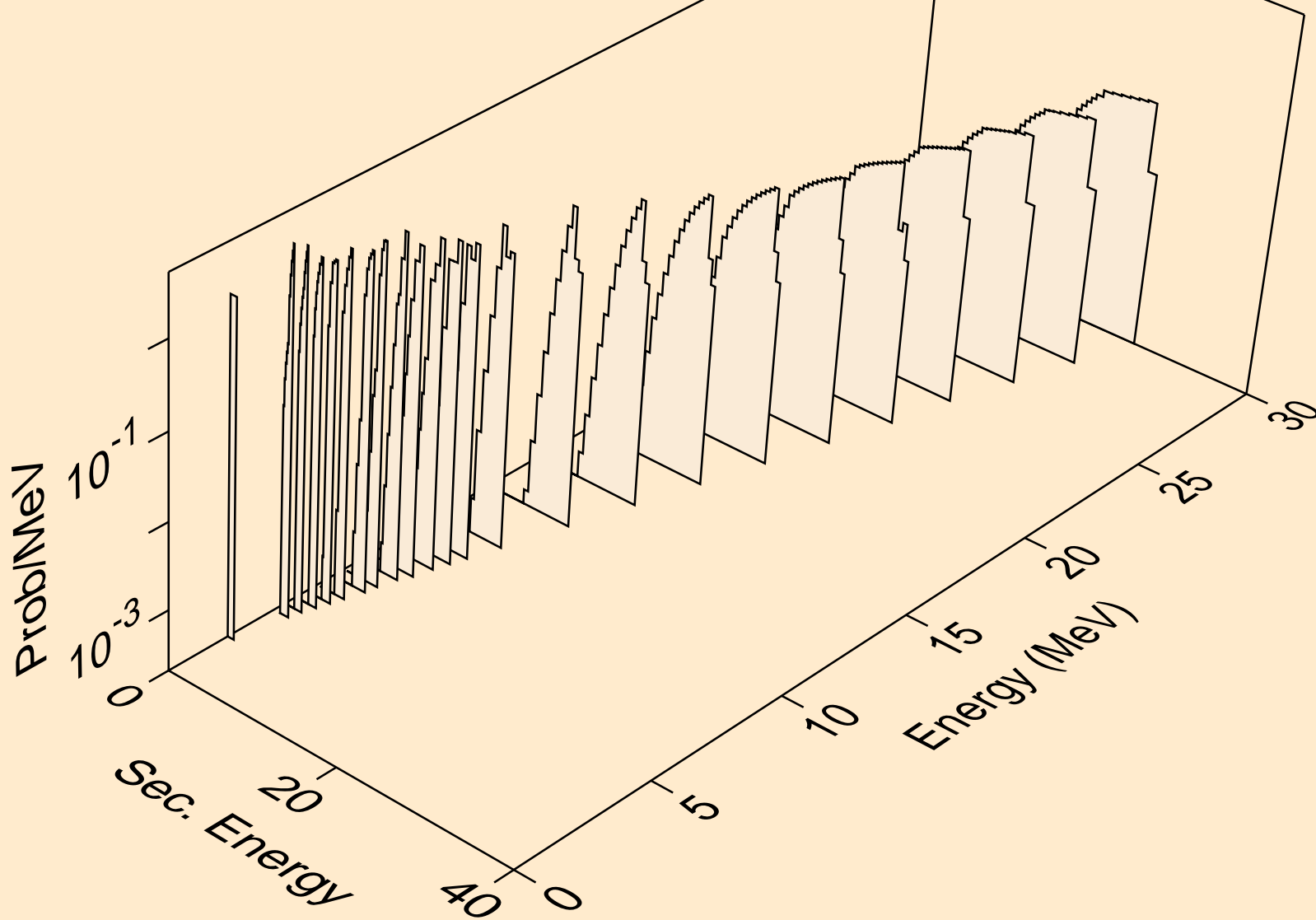
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



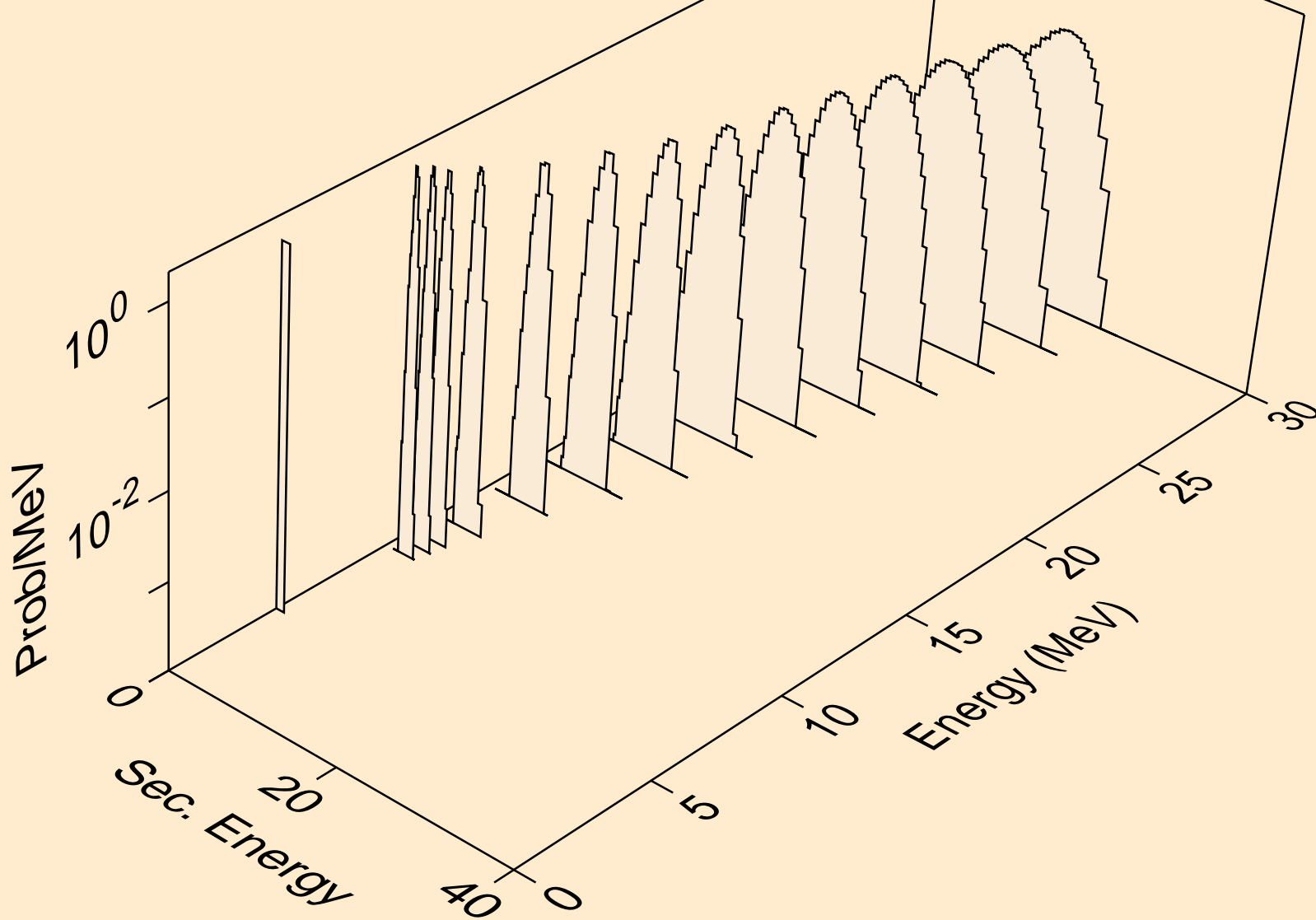
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



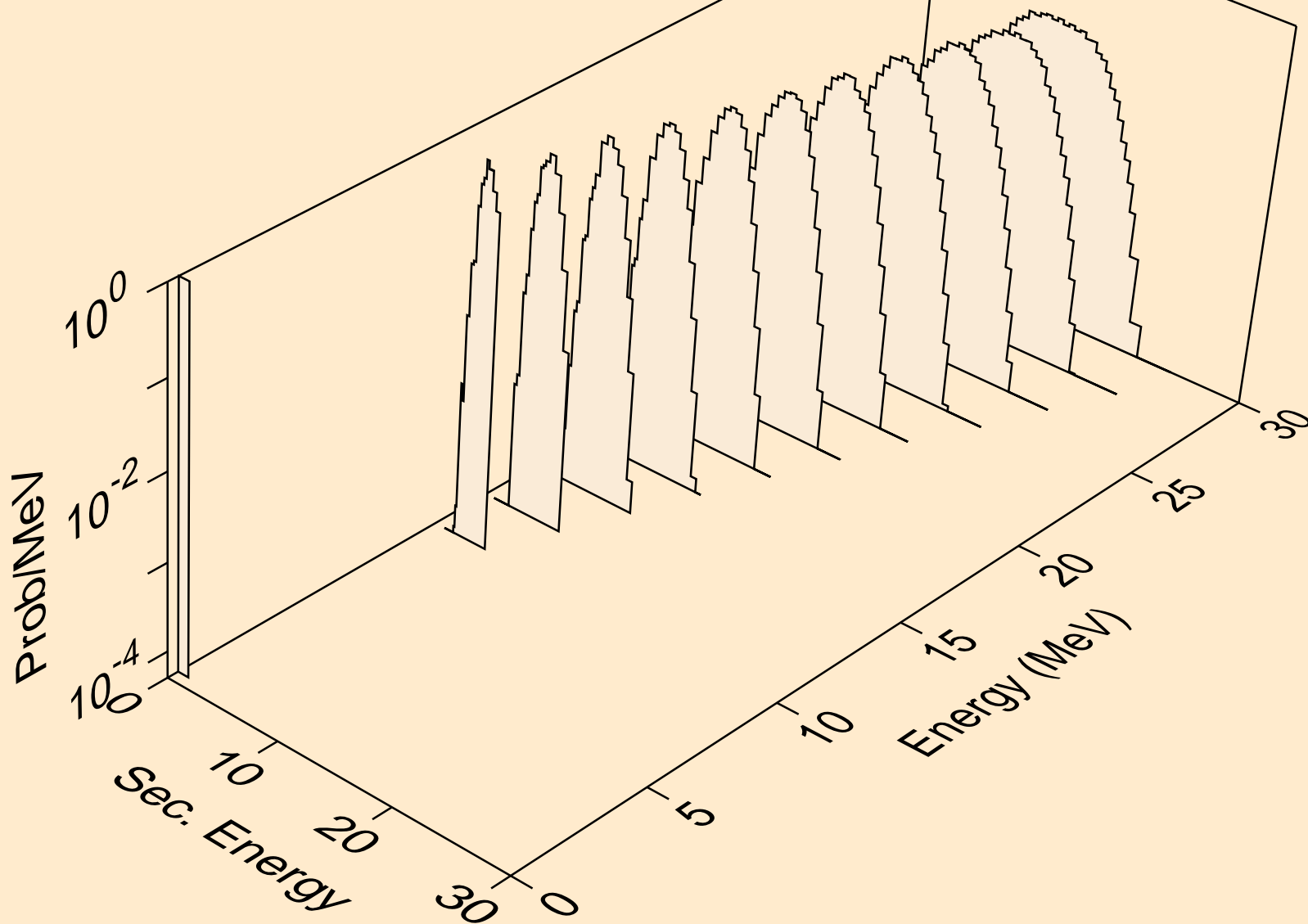
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deuterons from (n,d)



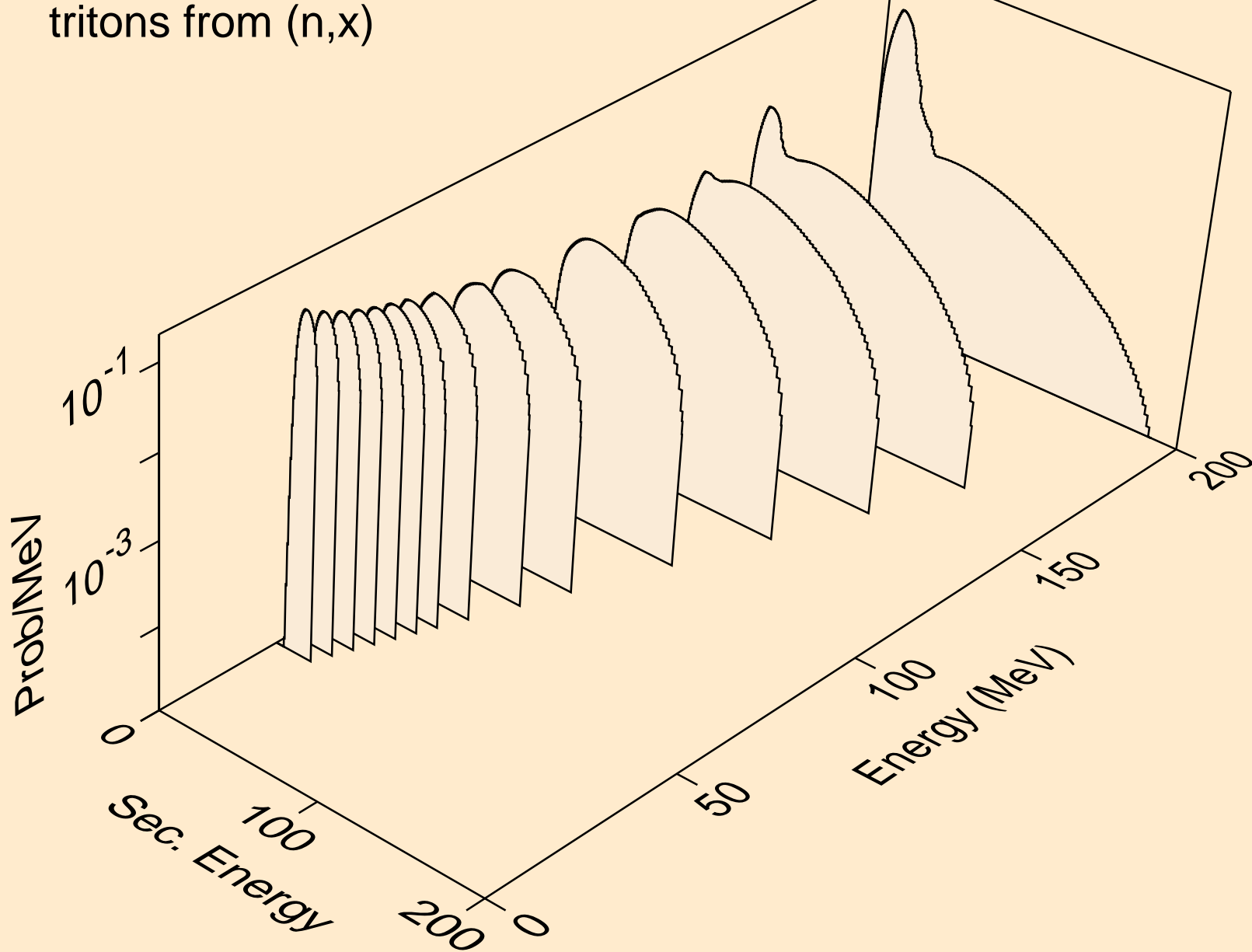
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



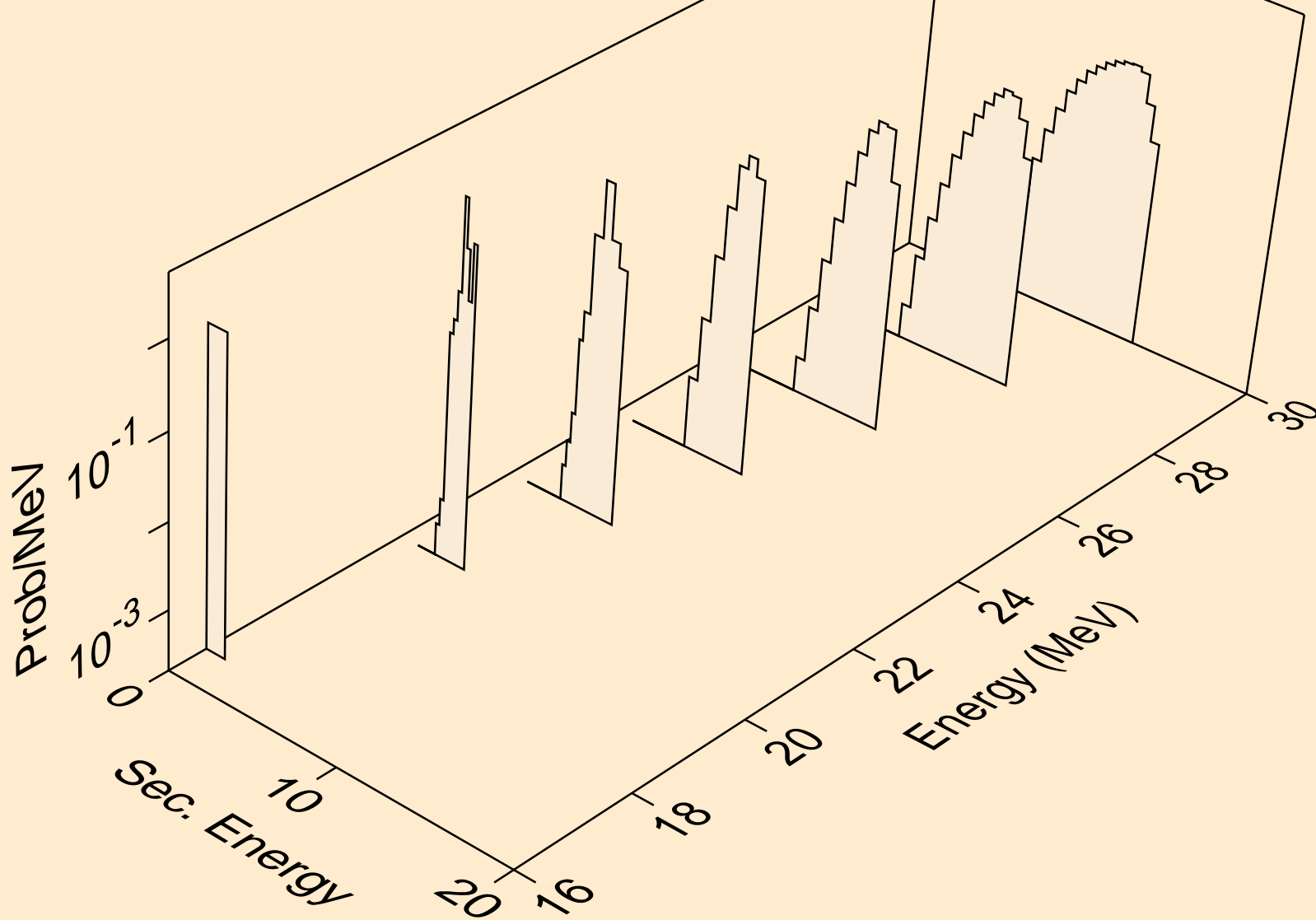
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



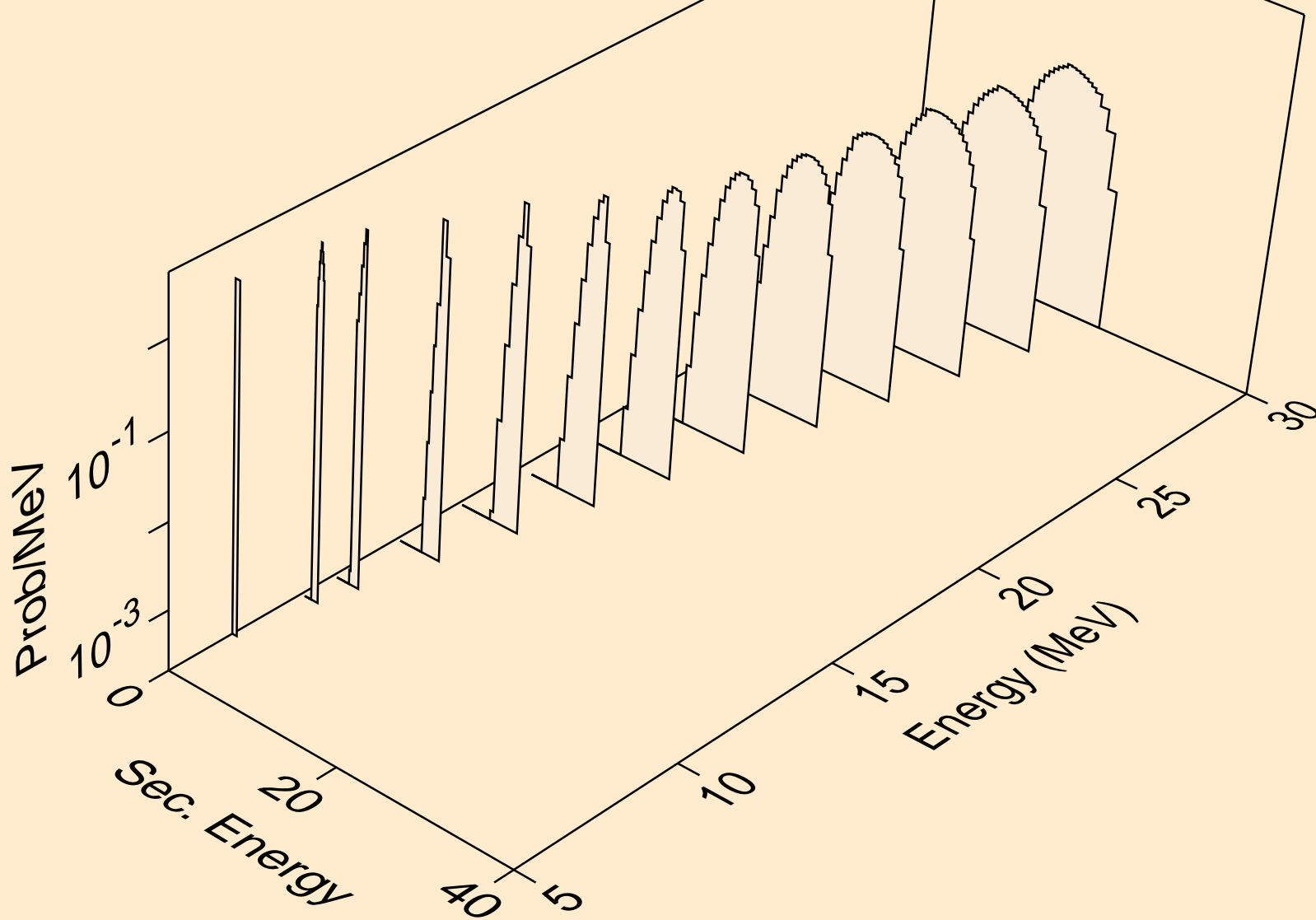
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



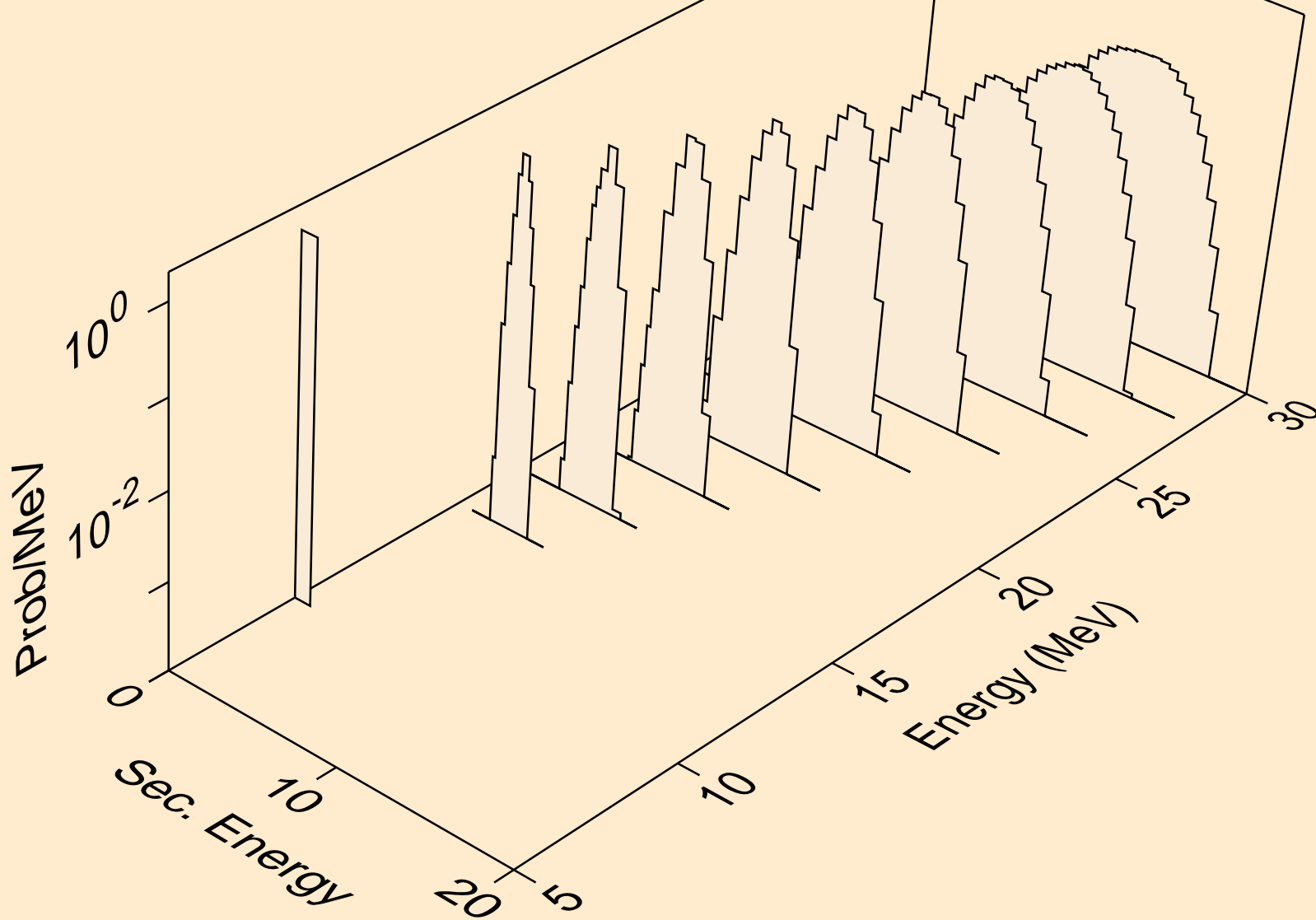
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



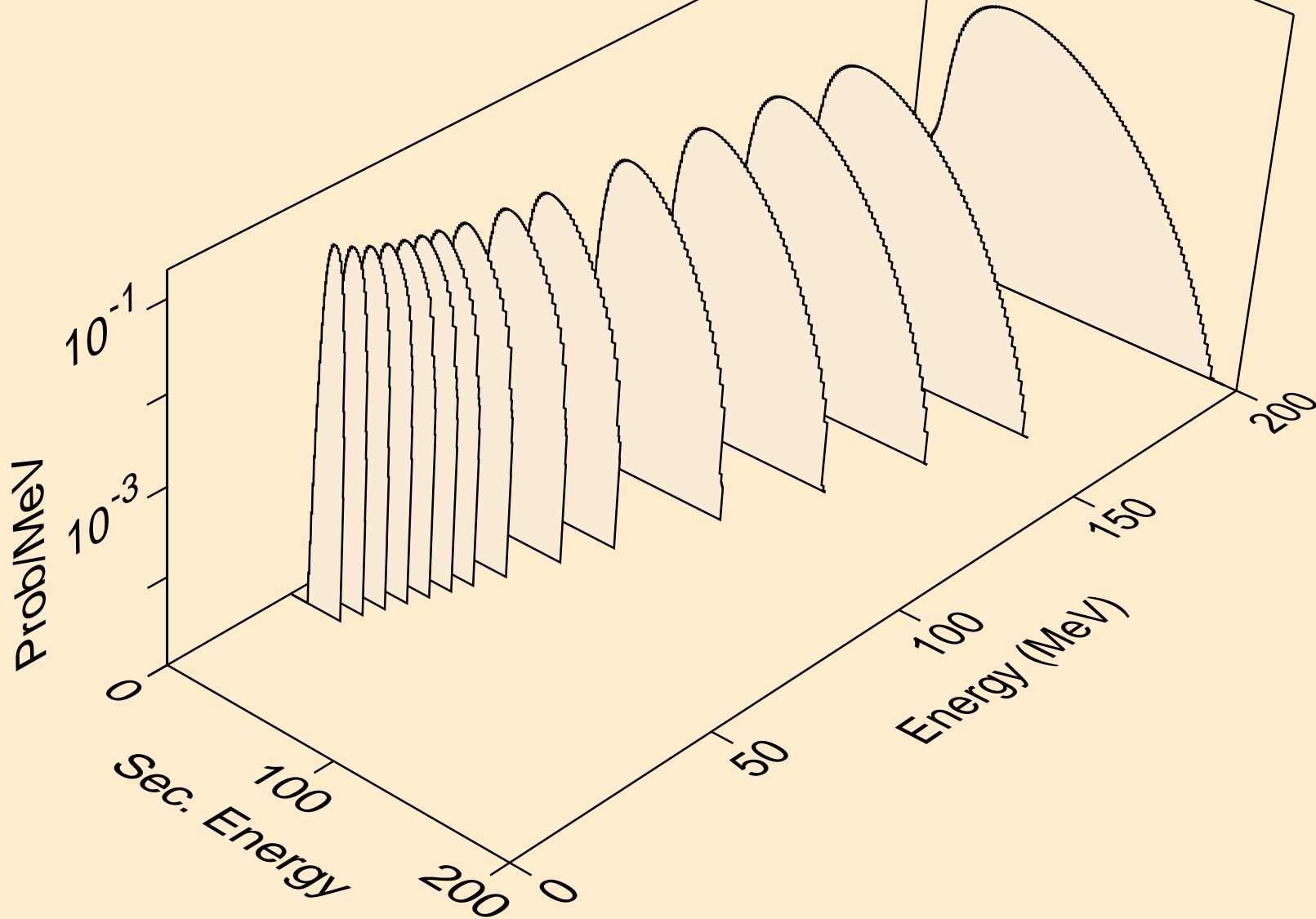
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



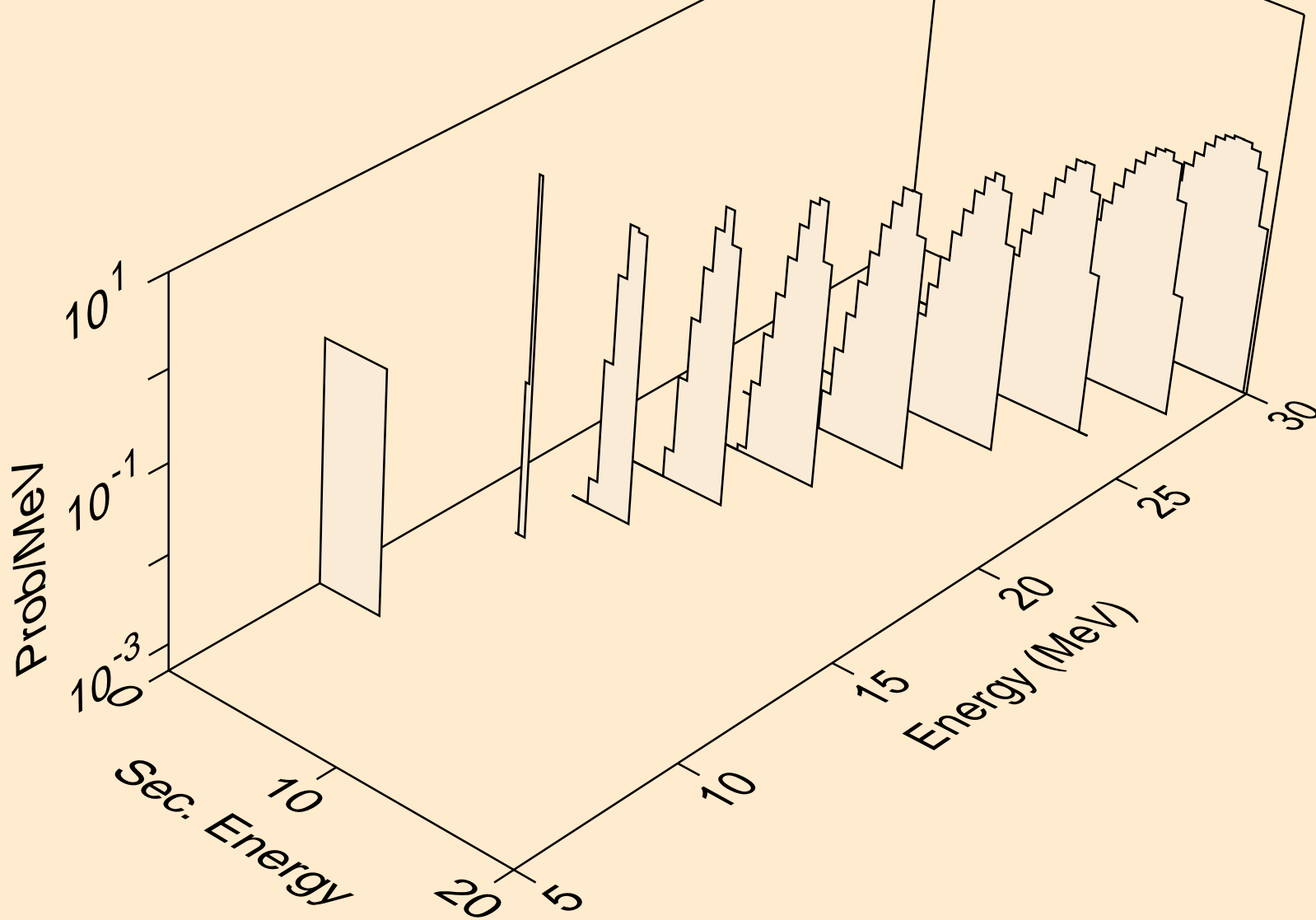
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



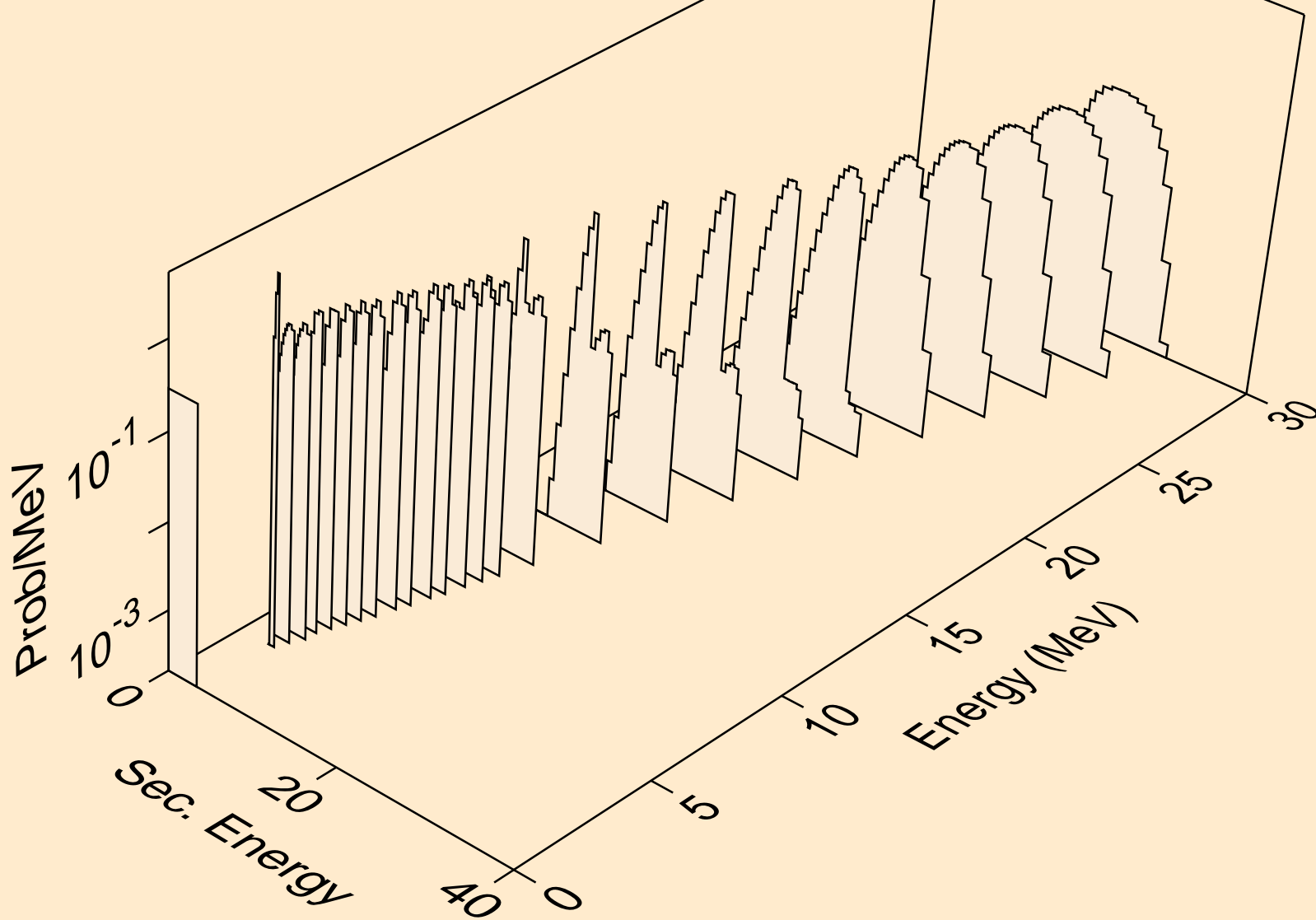
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



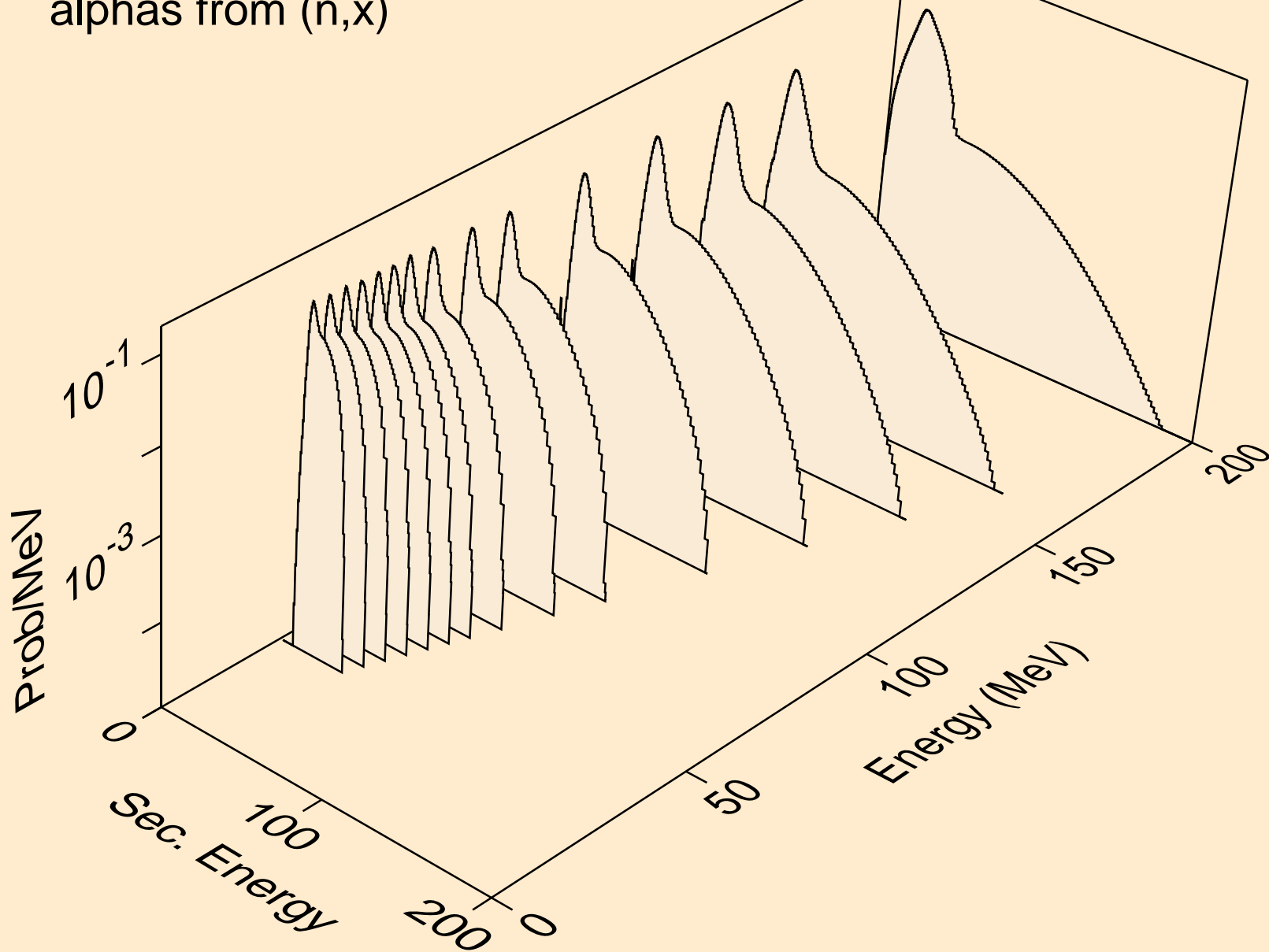
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



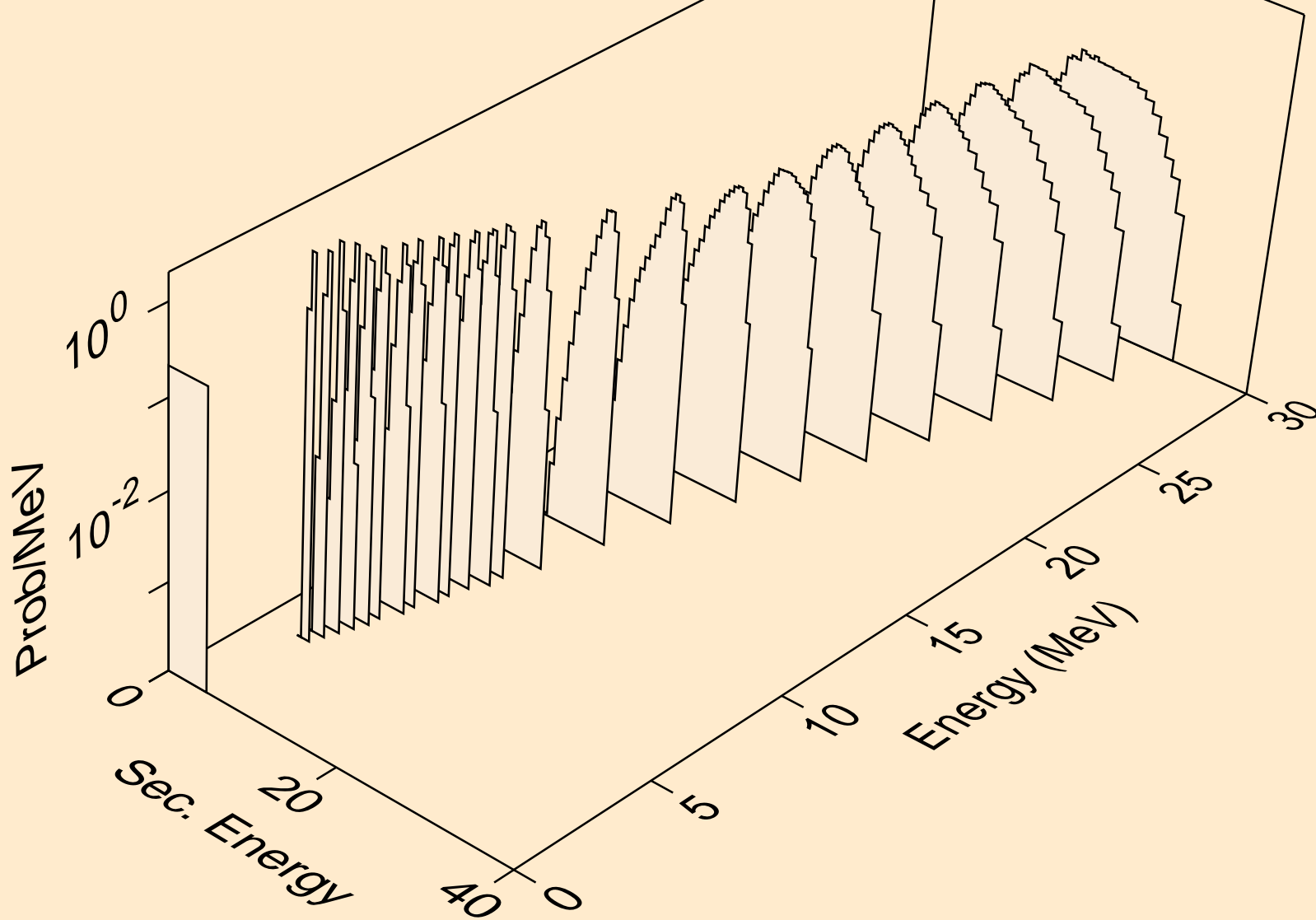
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



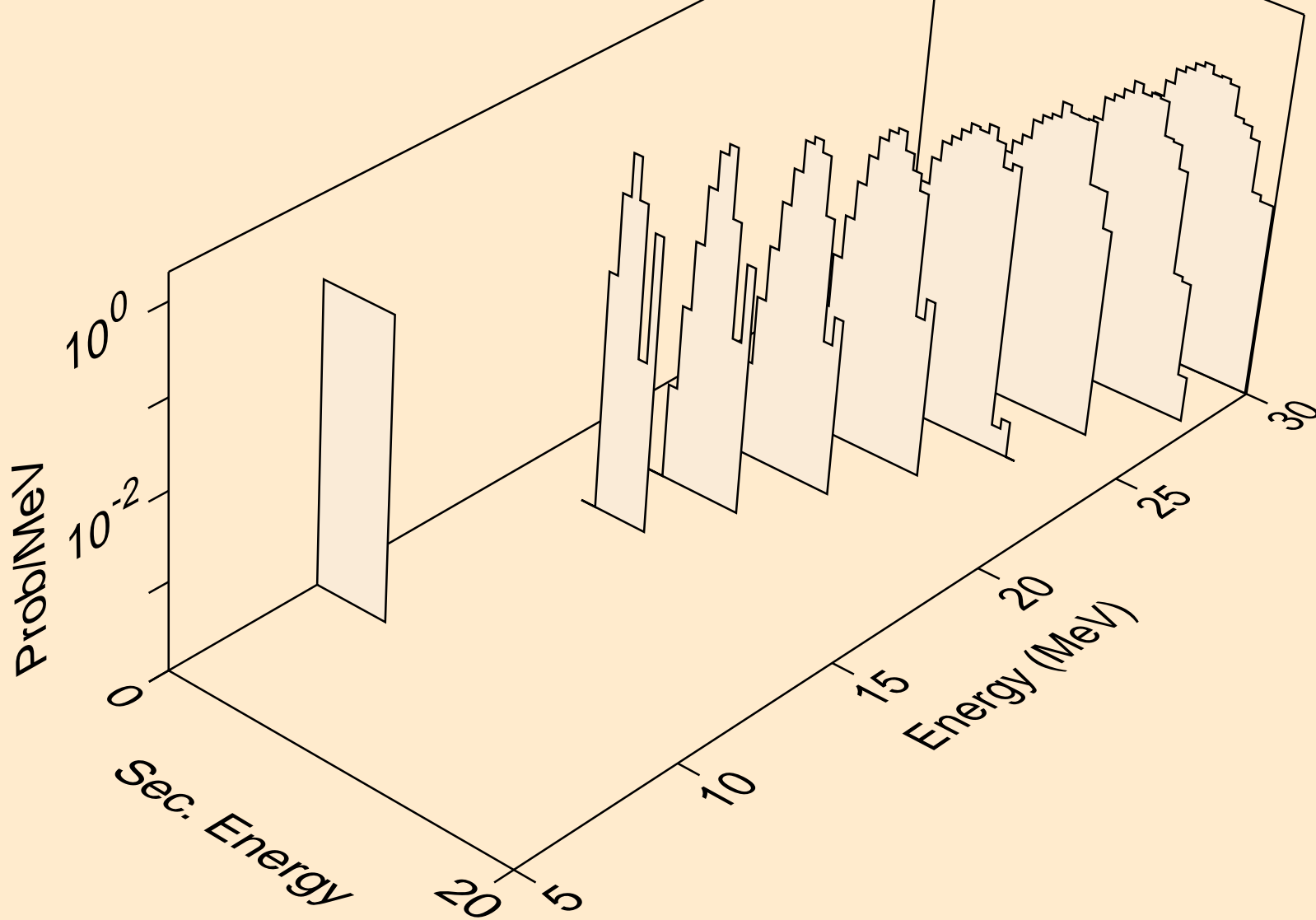
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



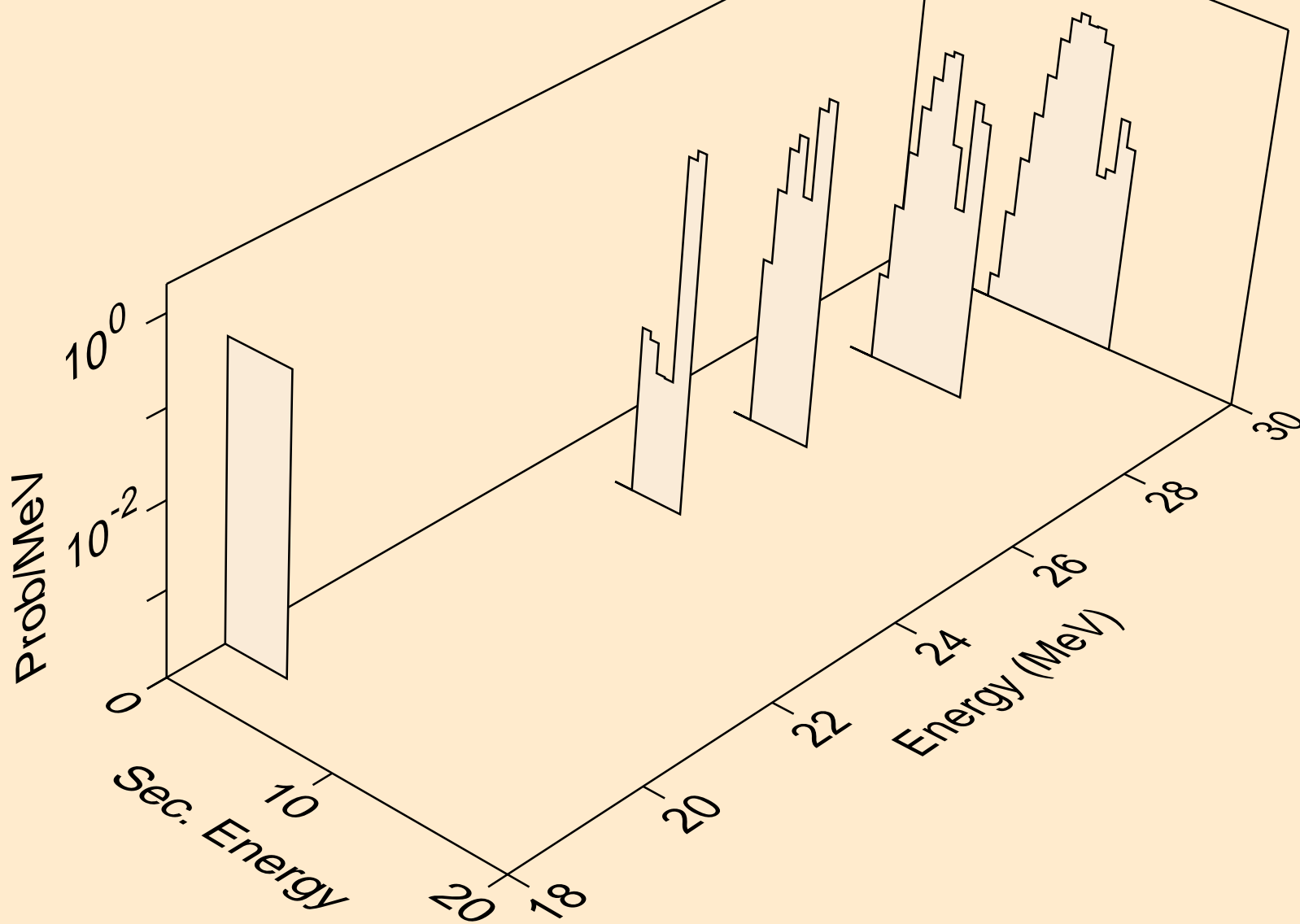
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alphas from (n,n*)a



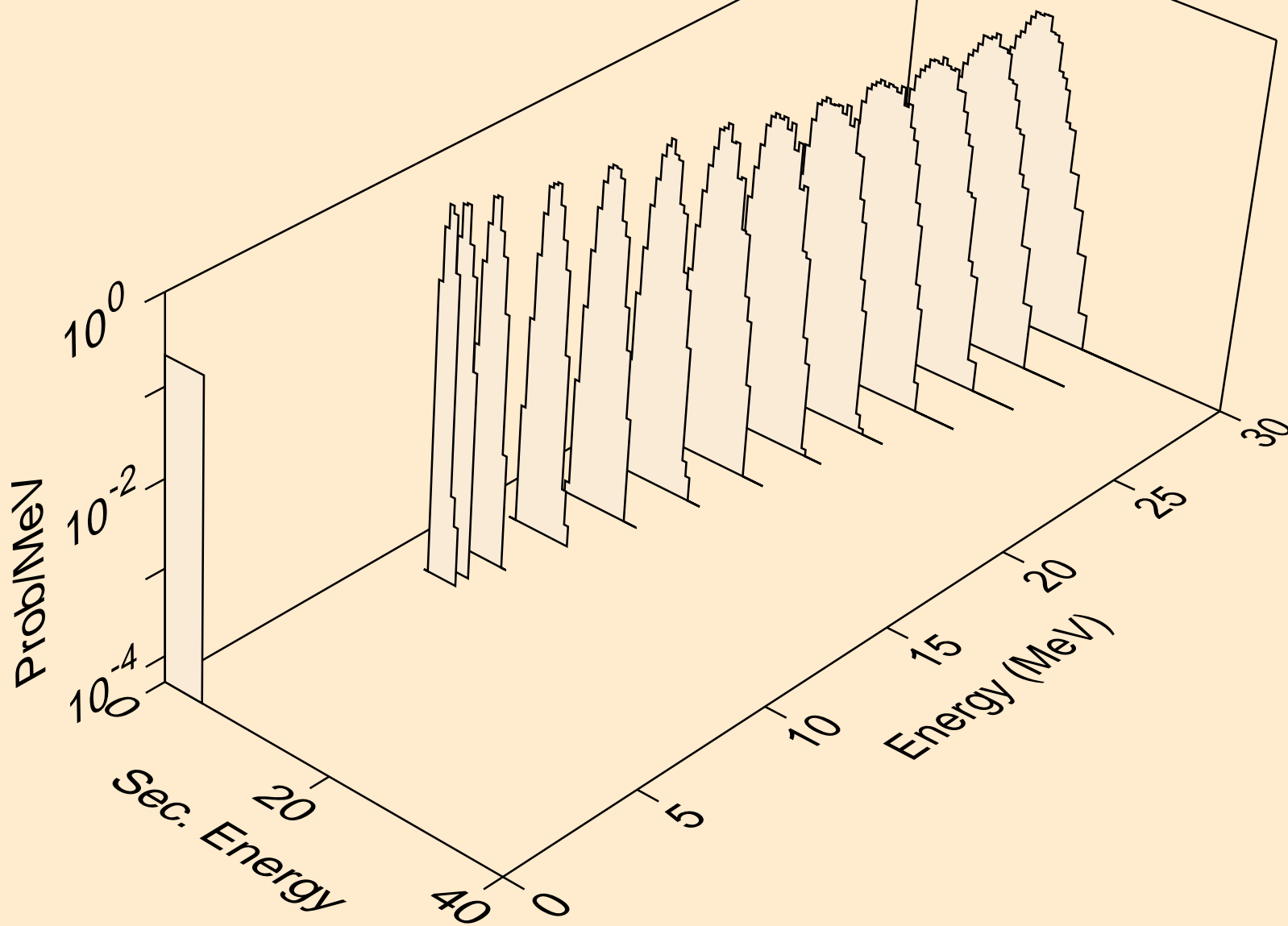
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



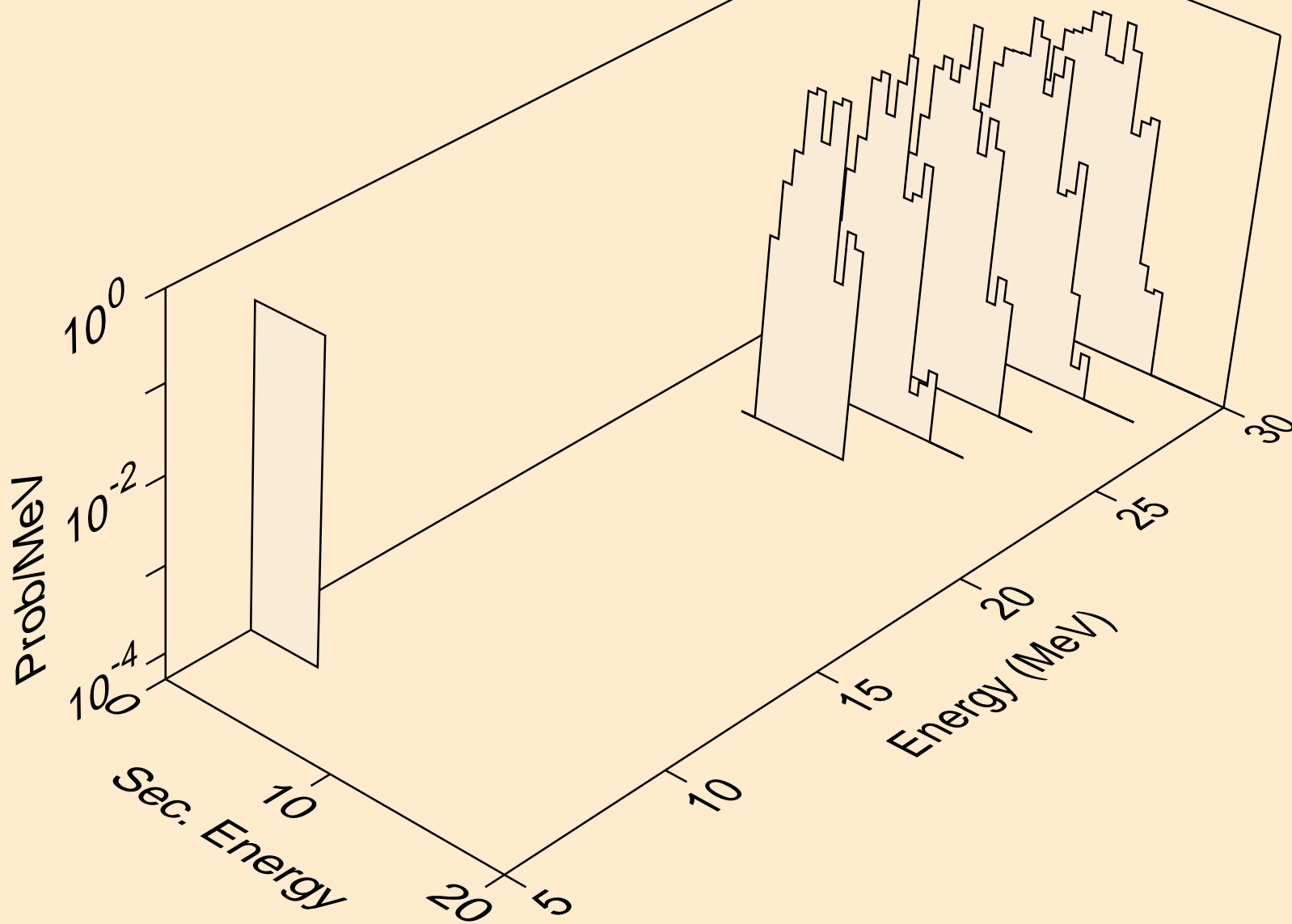
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



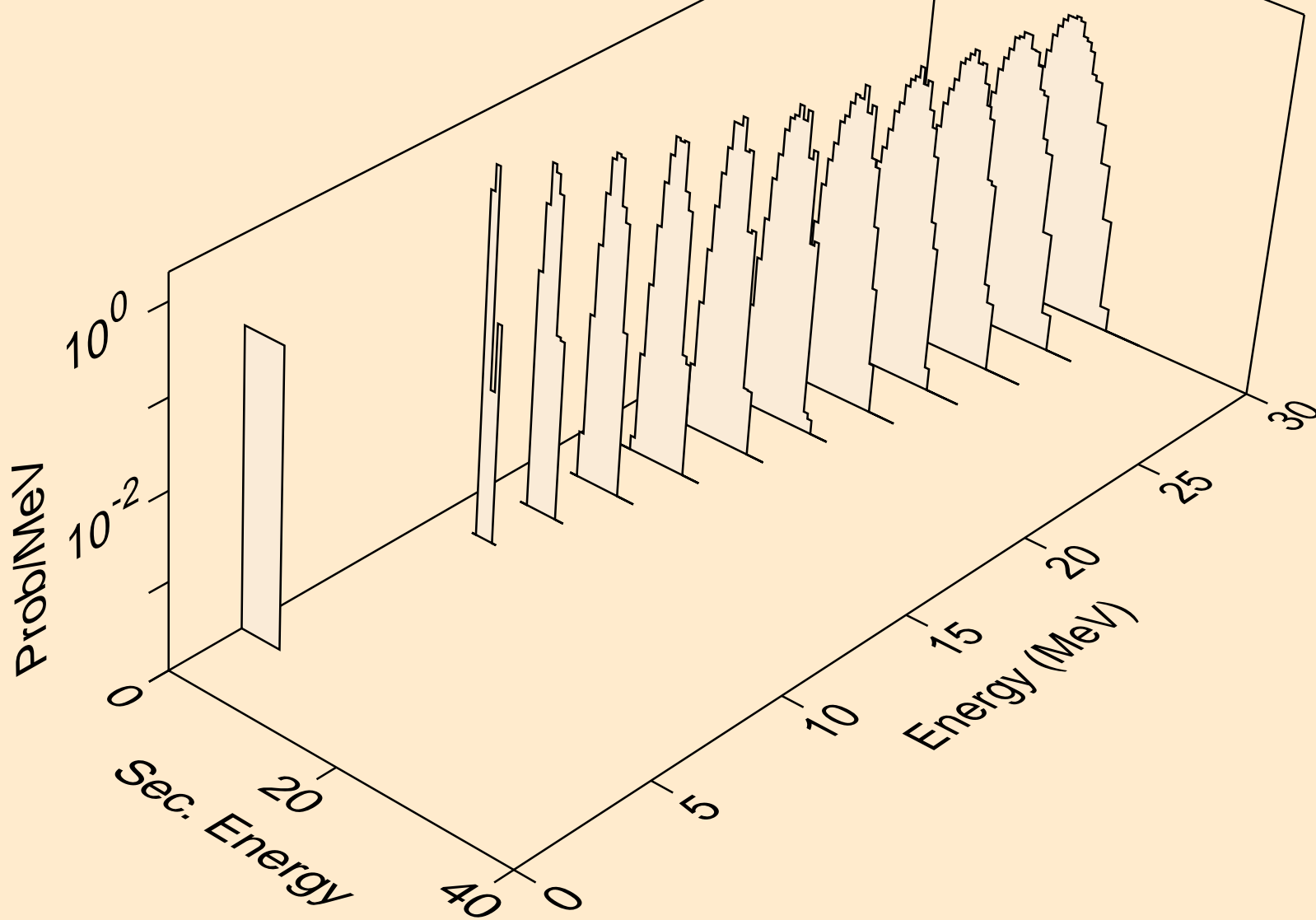
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



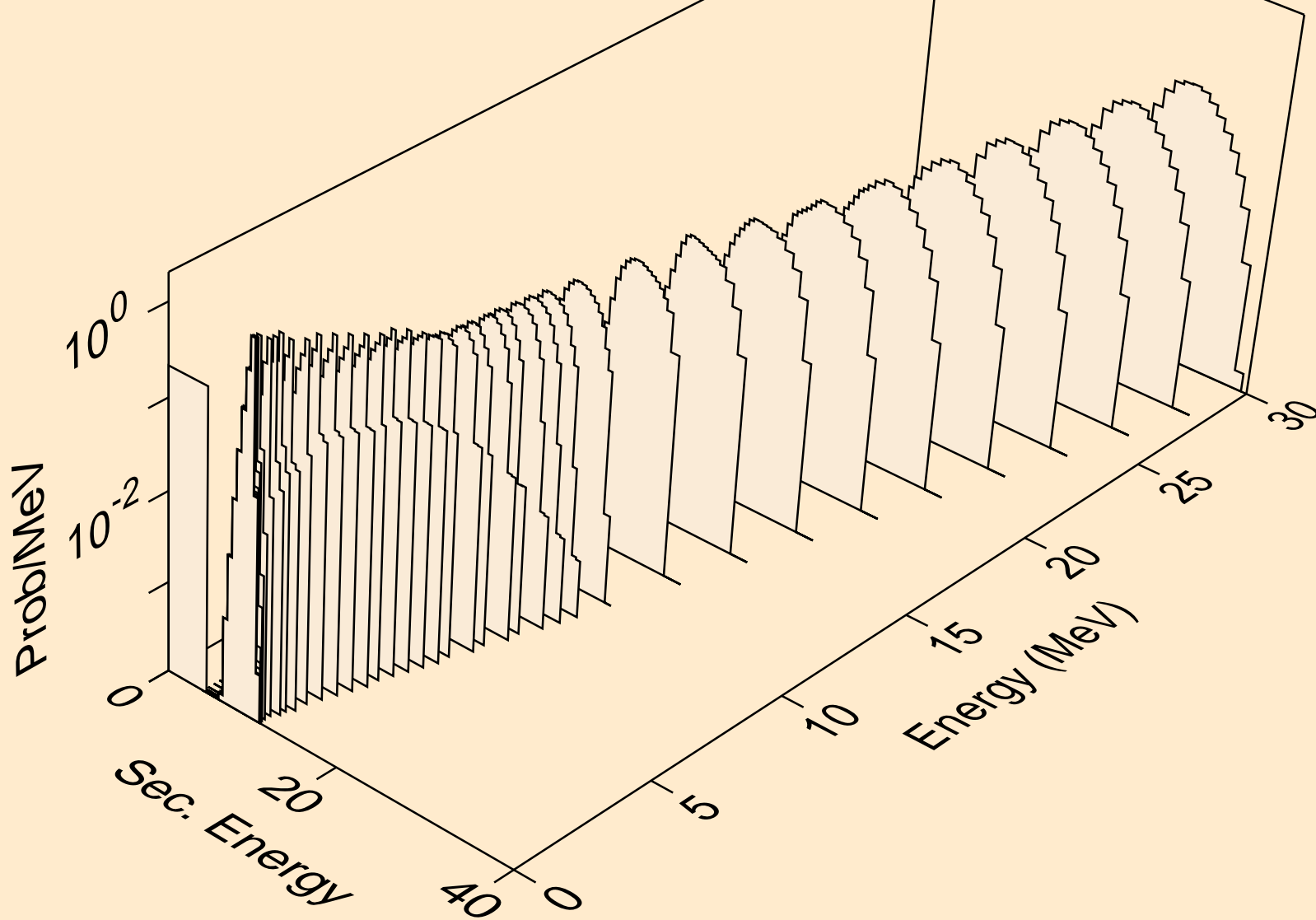
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



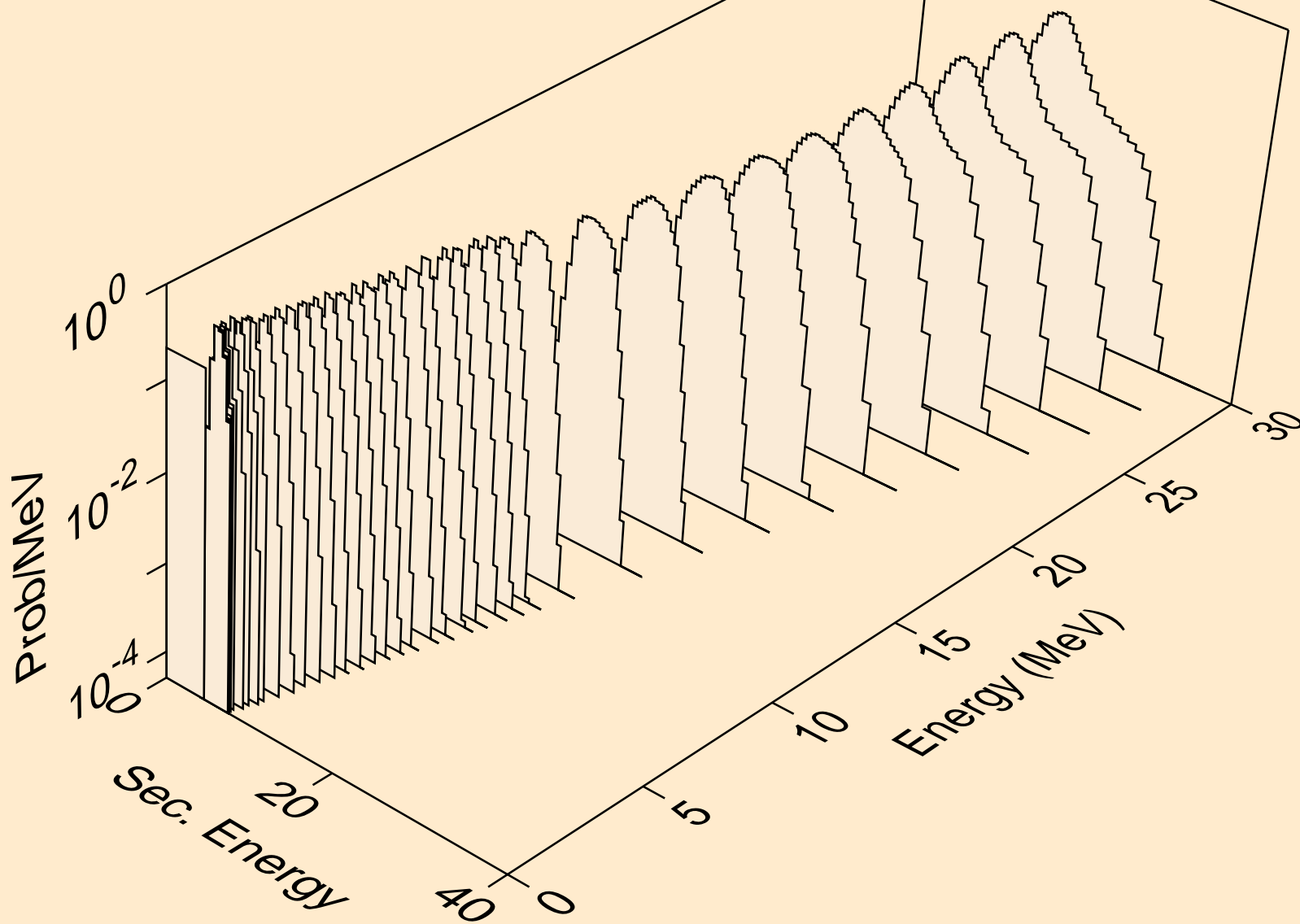
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



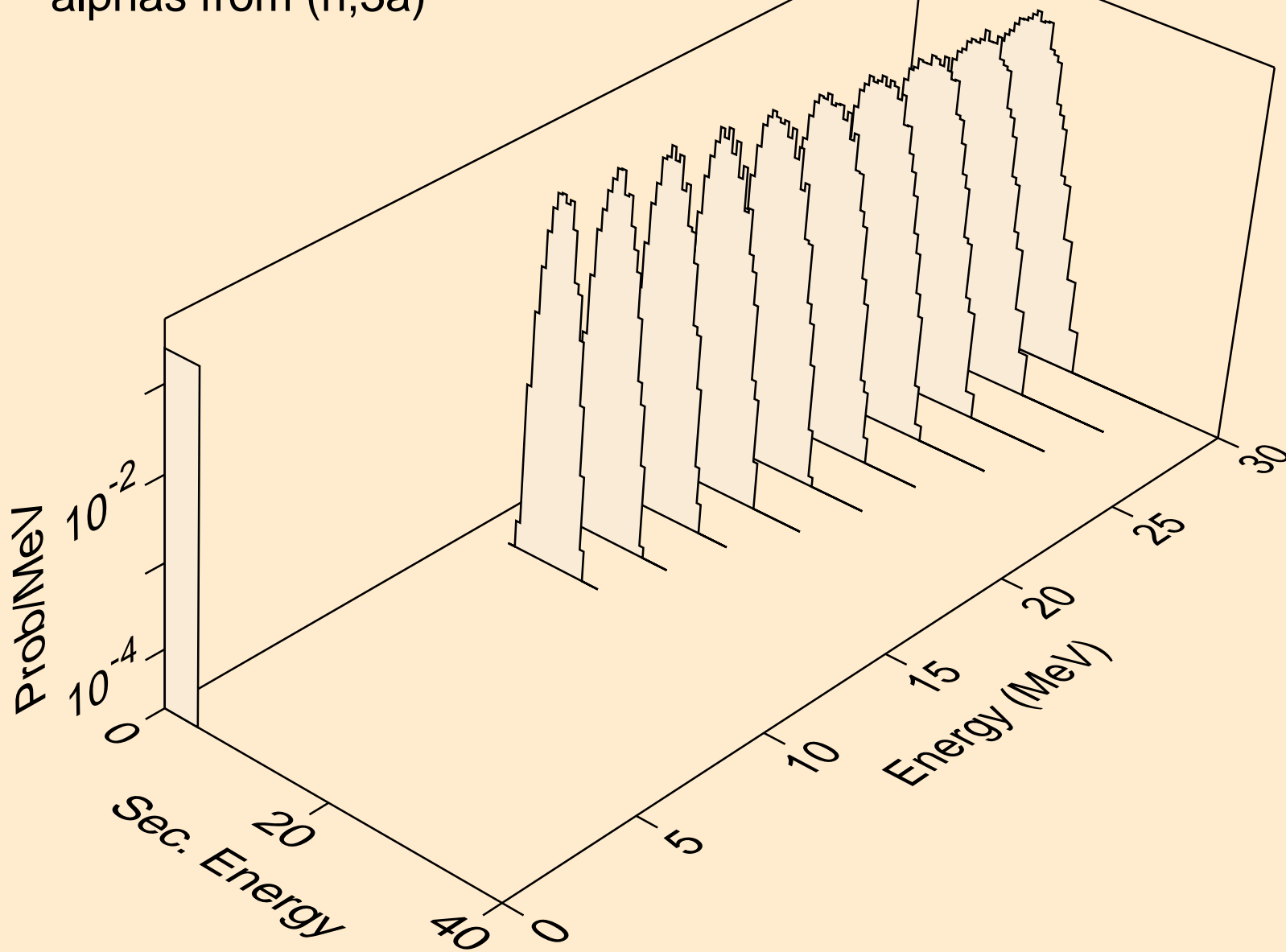
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



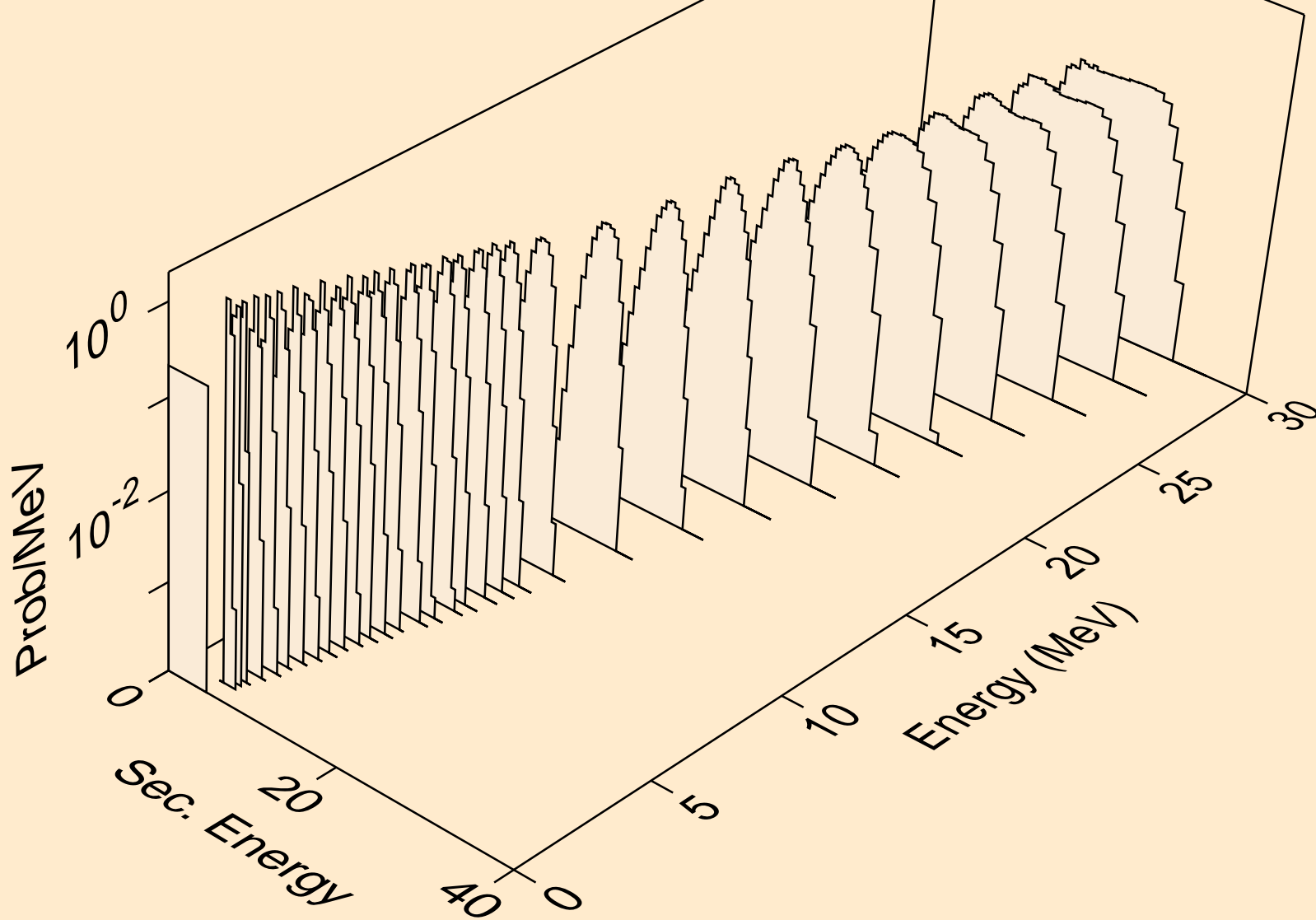
GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



GD142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

