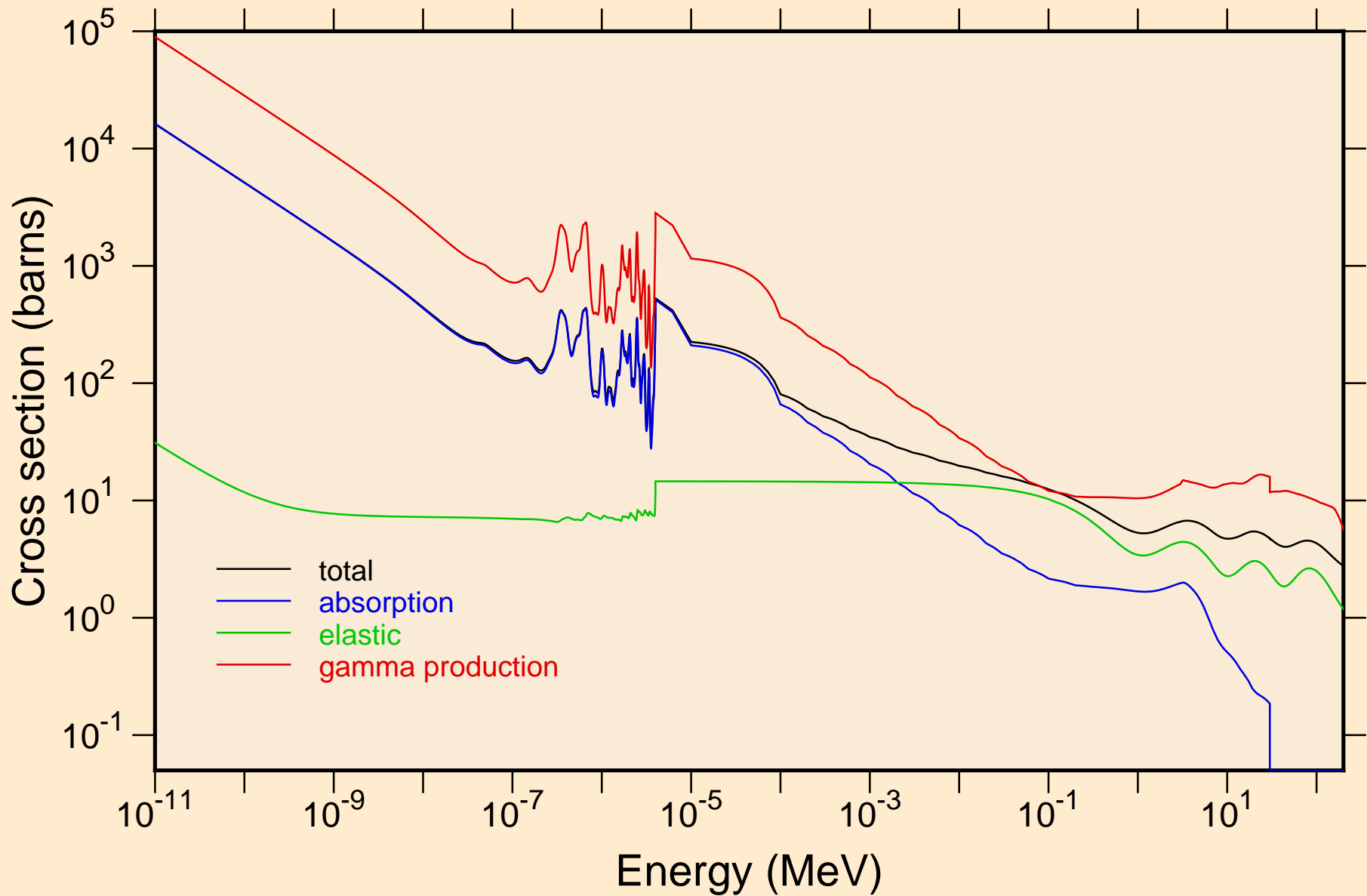
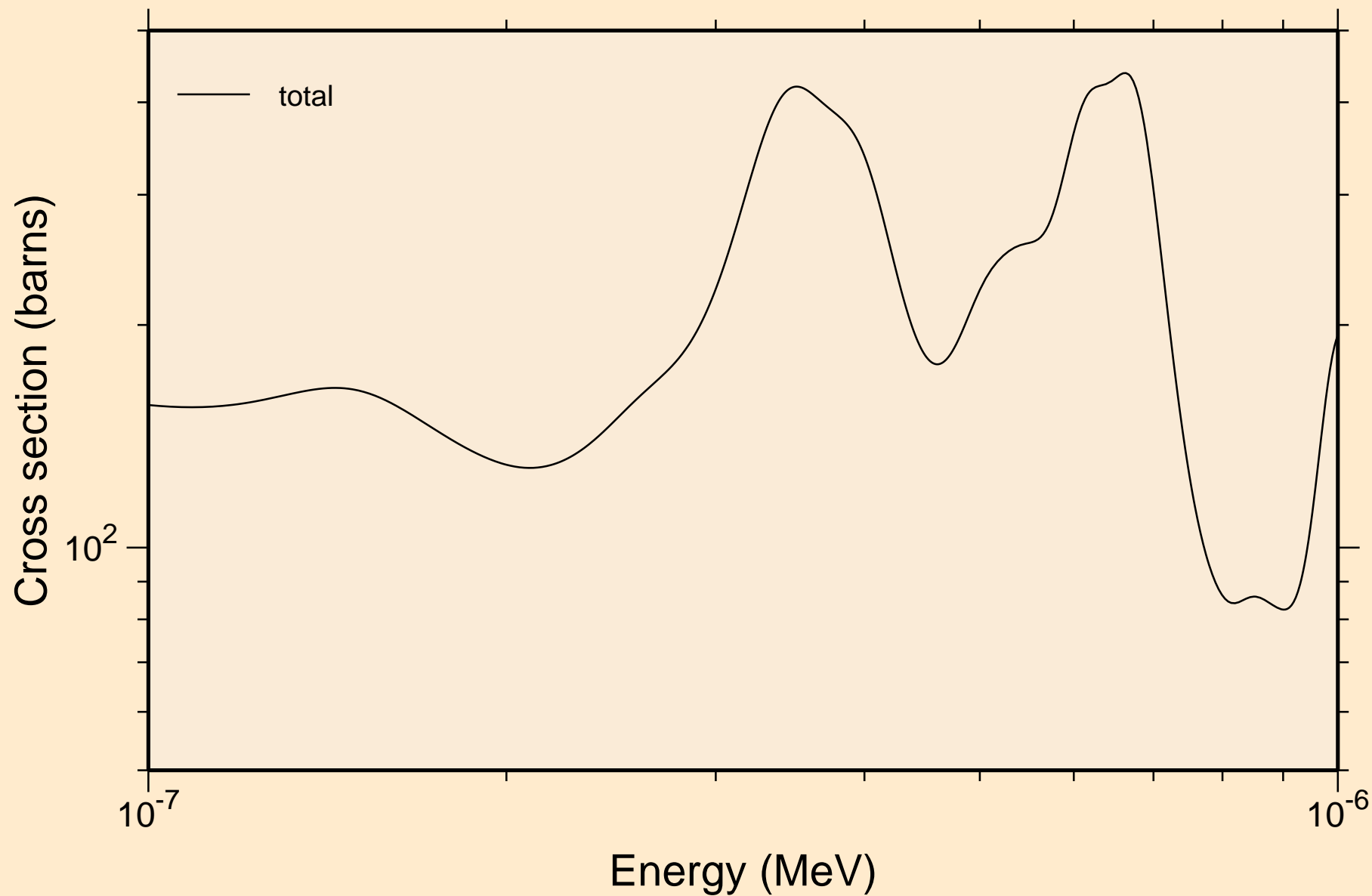


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

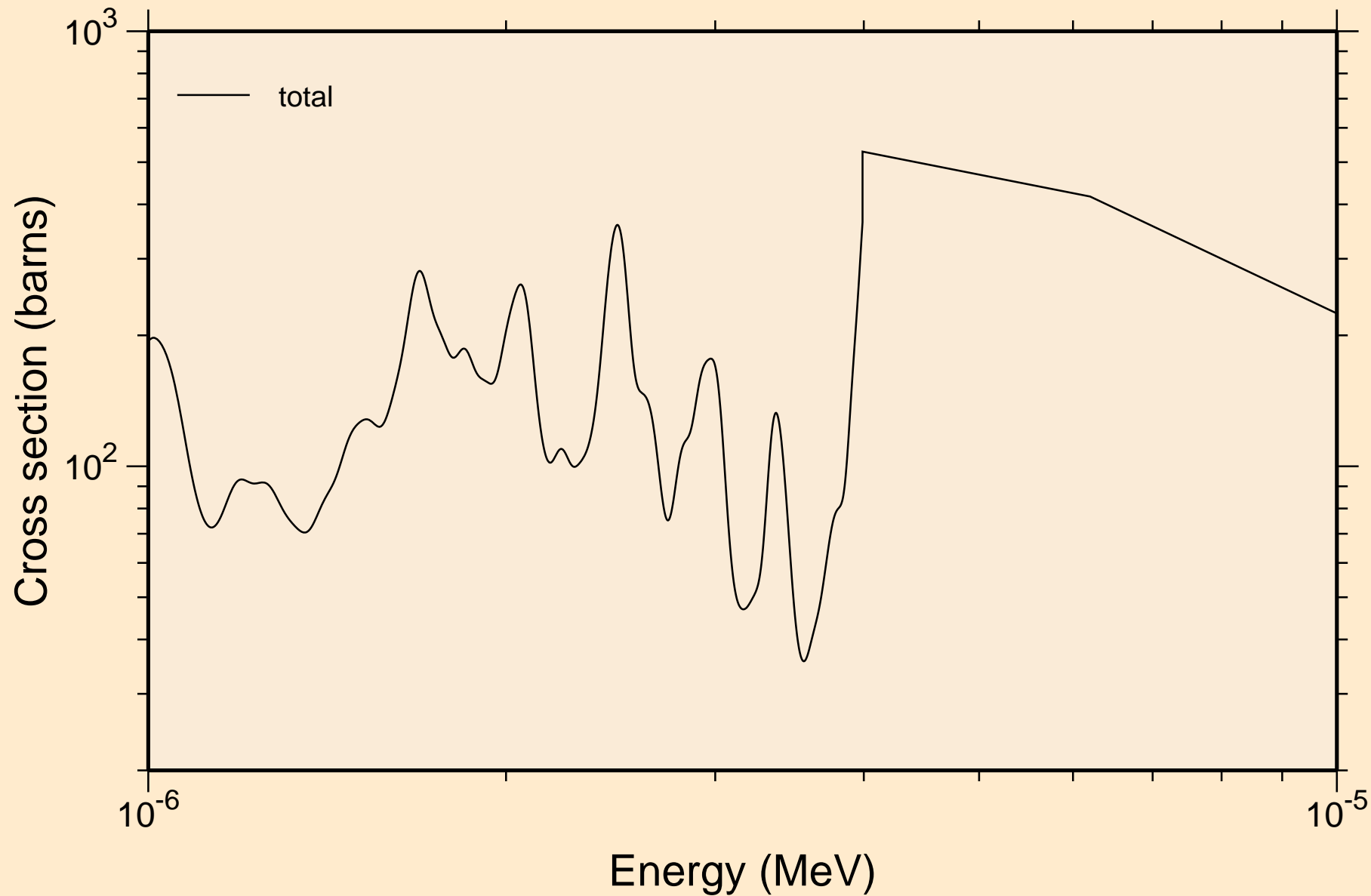
Principal cross sections



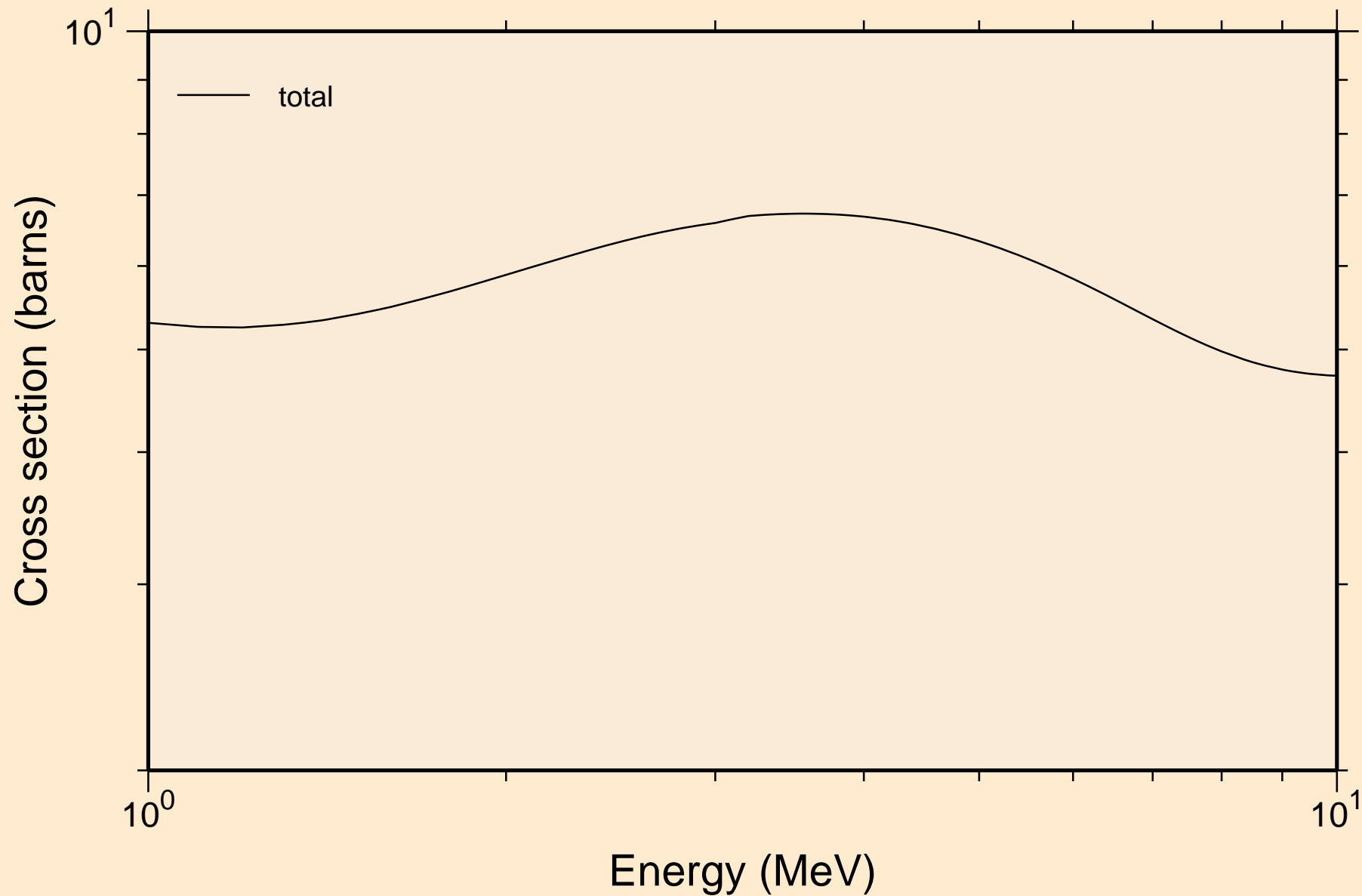
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resonance total cross section



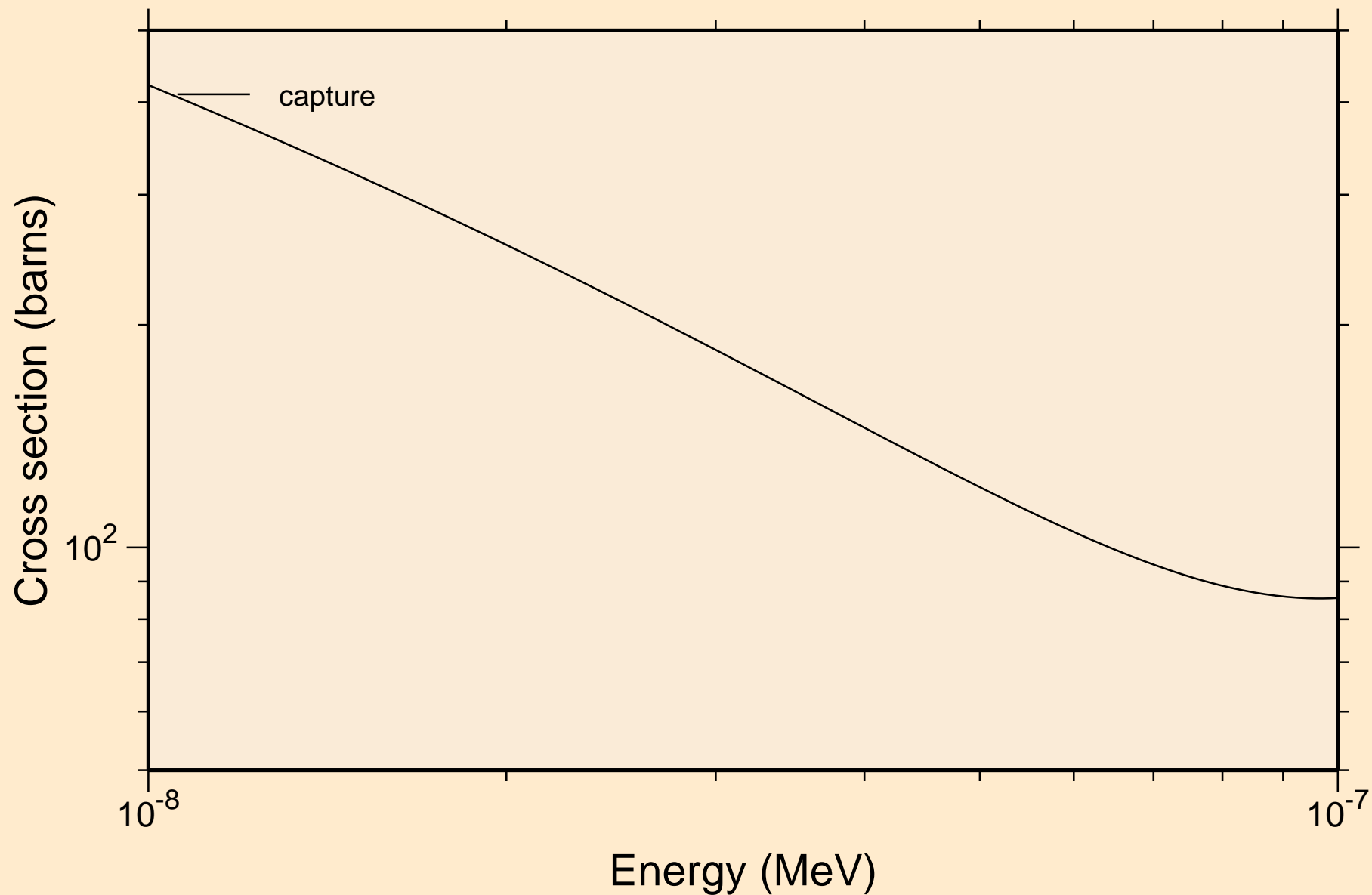
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resonance total cross section



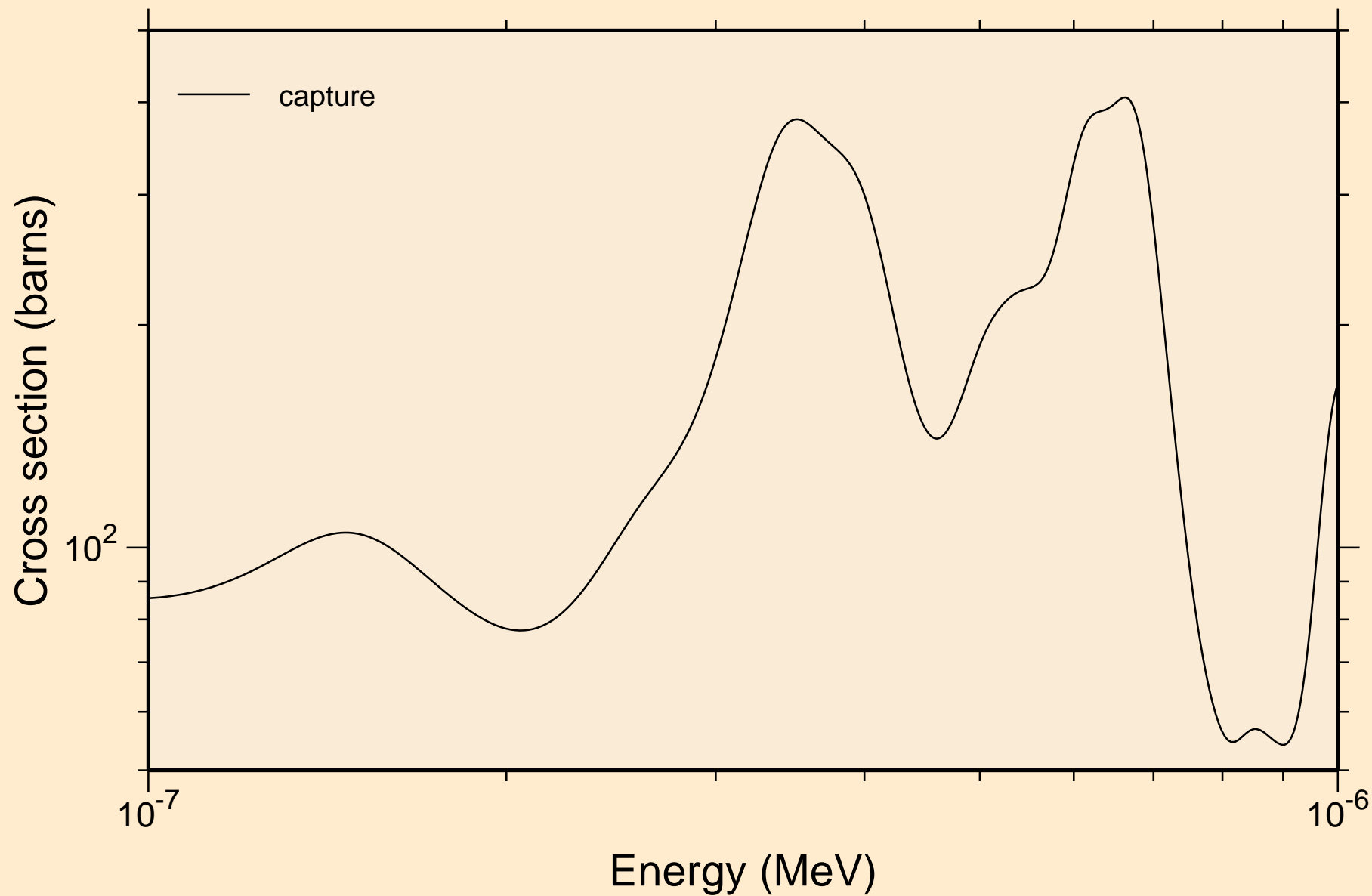
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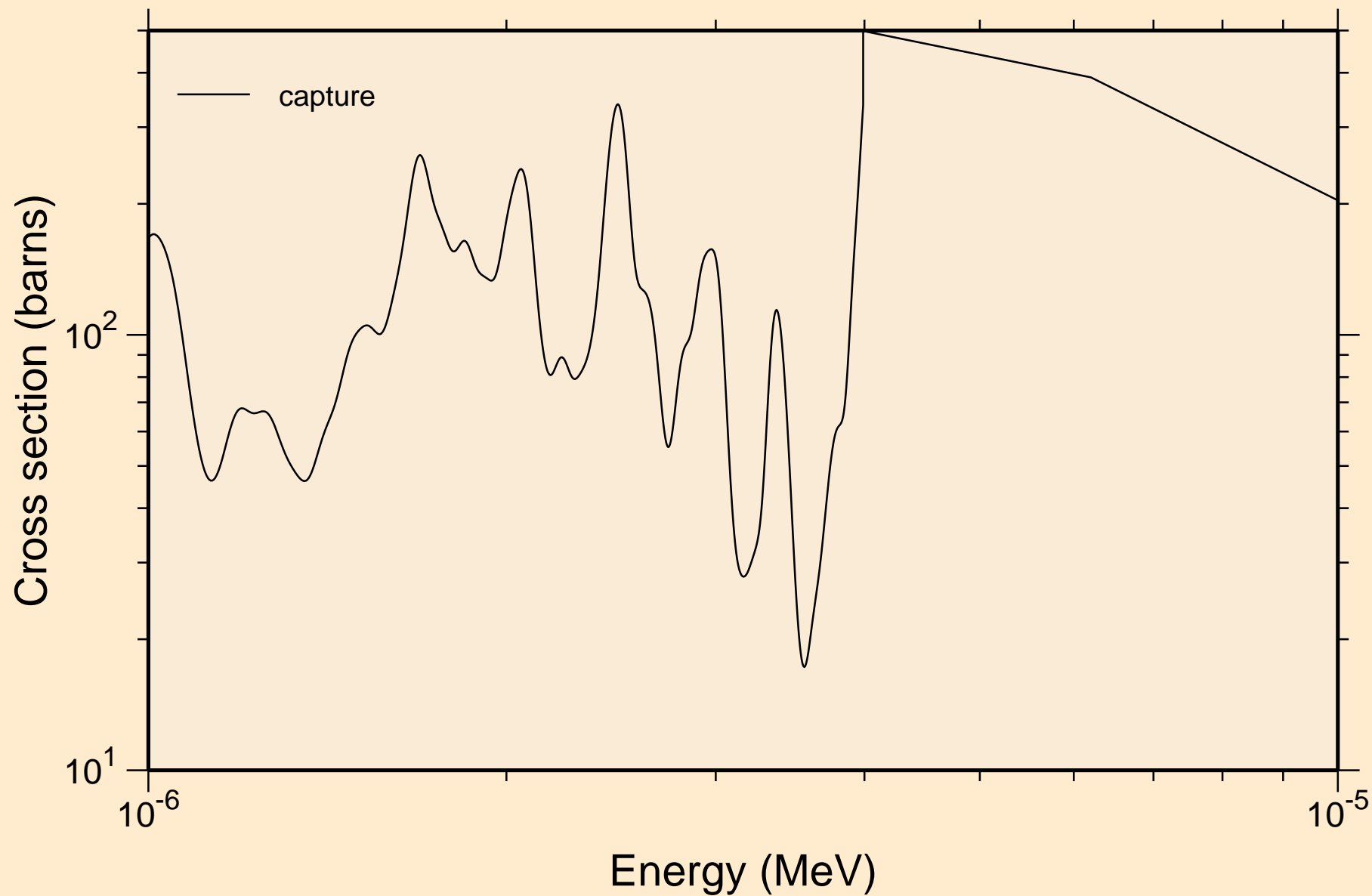
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resonance absorption cross sections



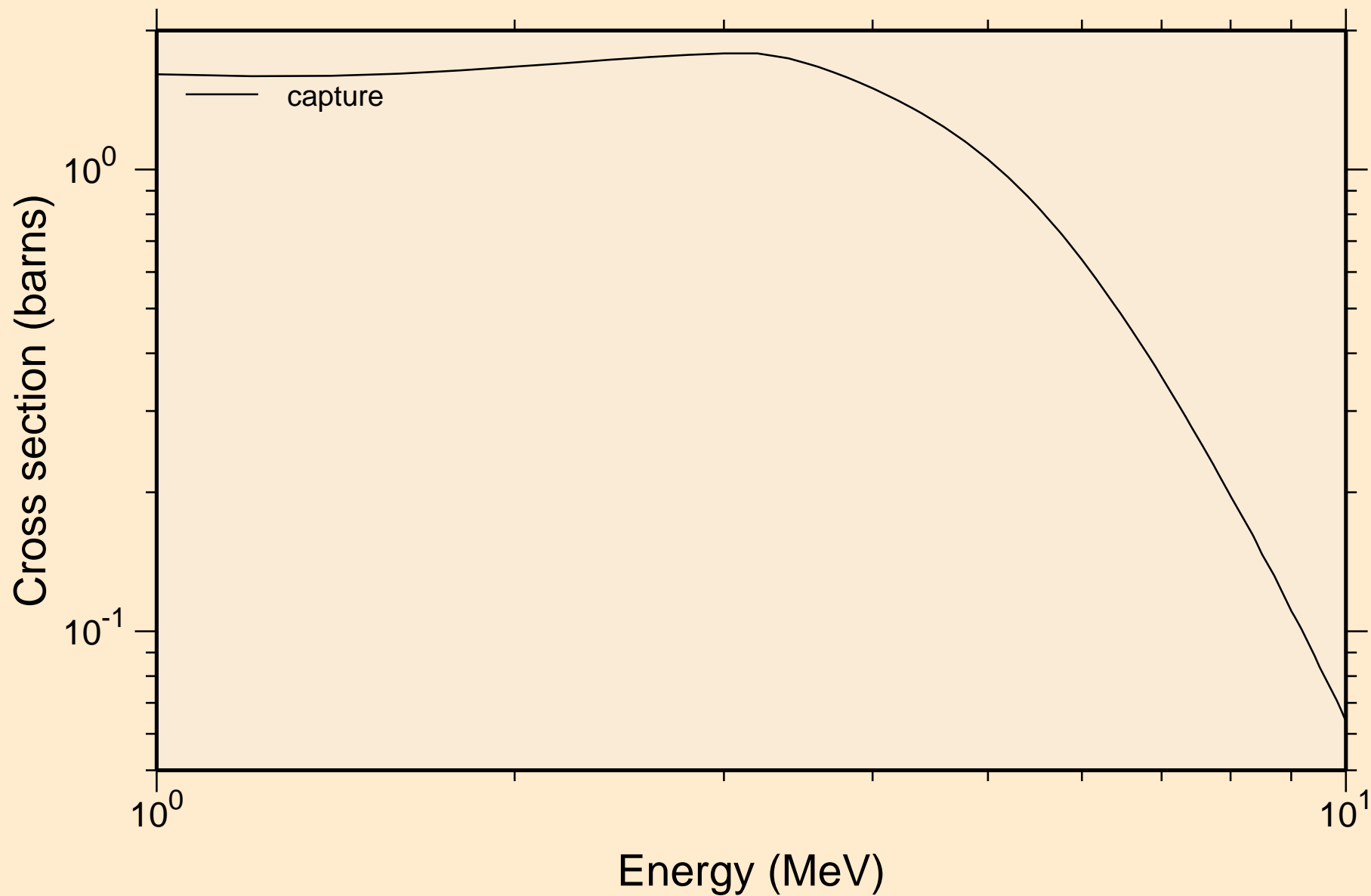
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resonance absorption cross sections



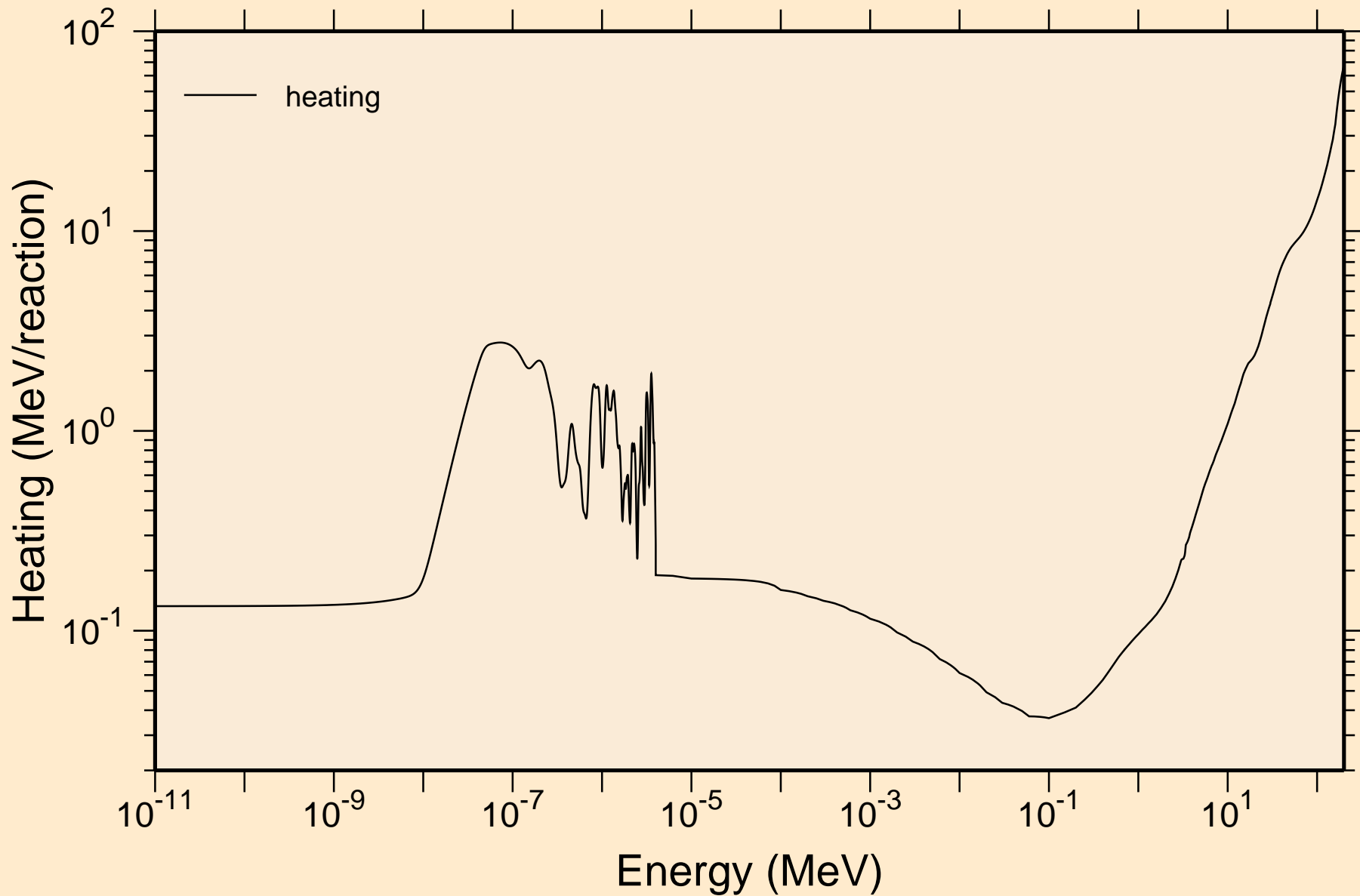
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resonance absorption cross sections



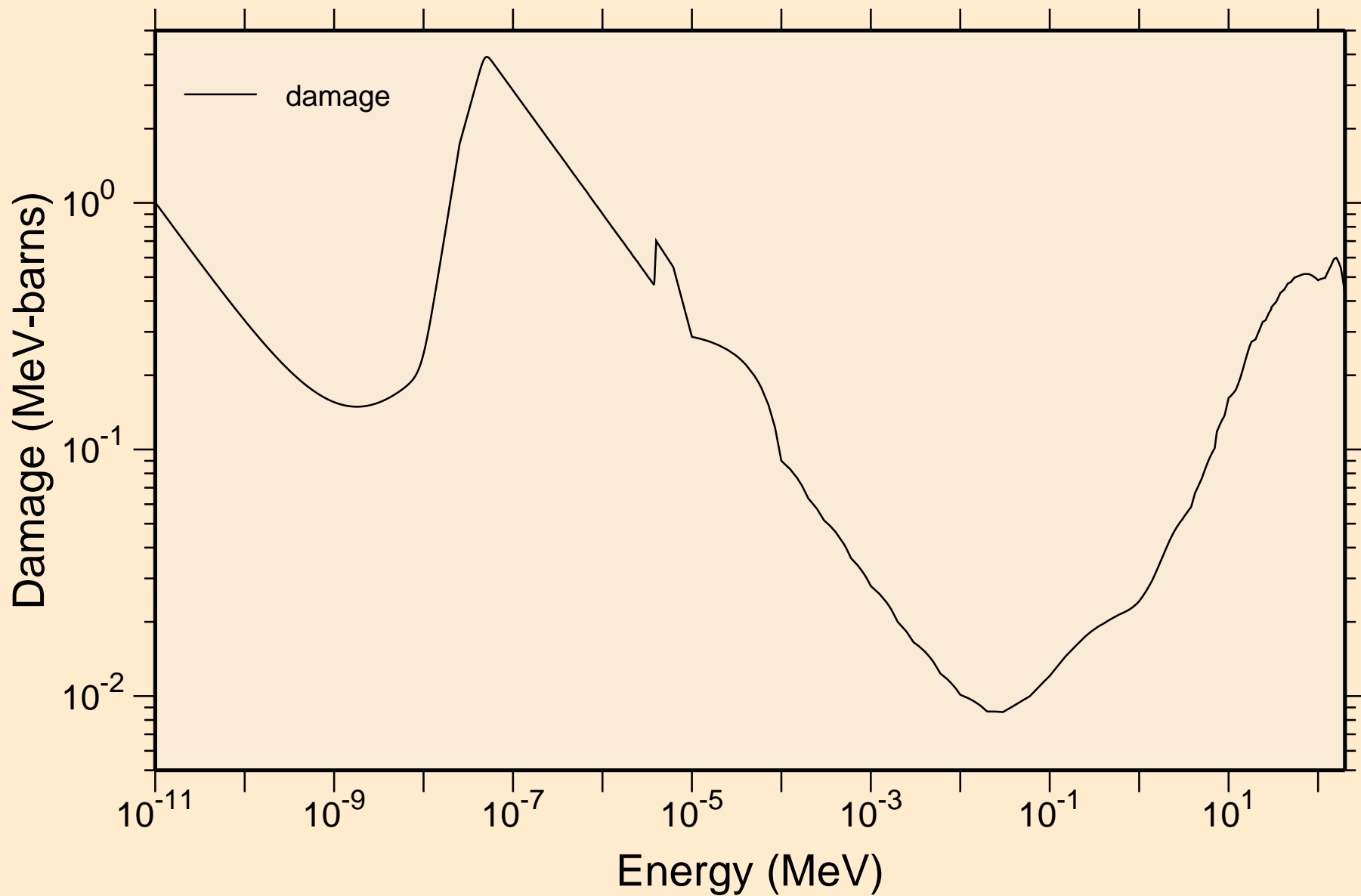
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resonance absorption cross sections



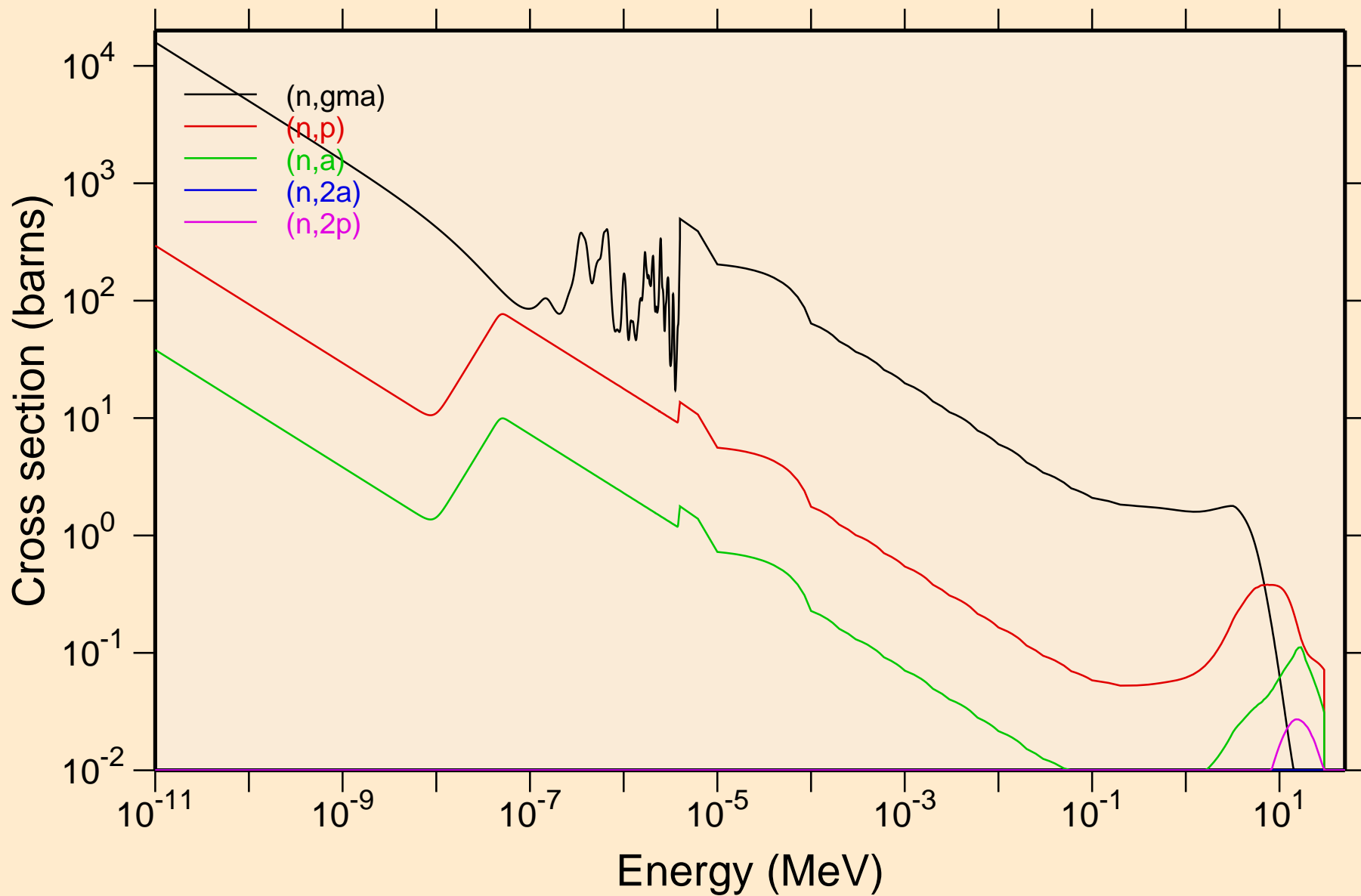
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



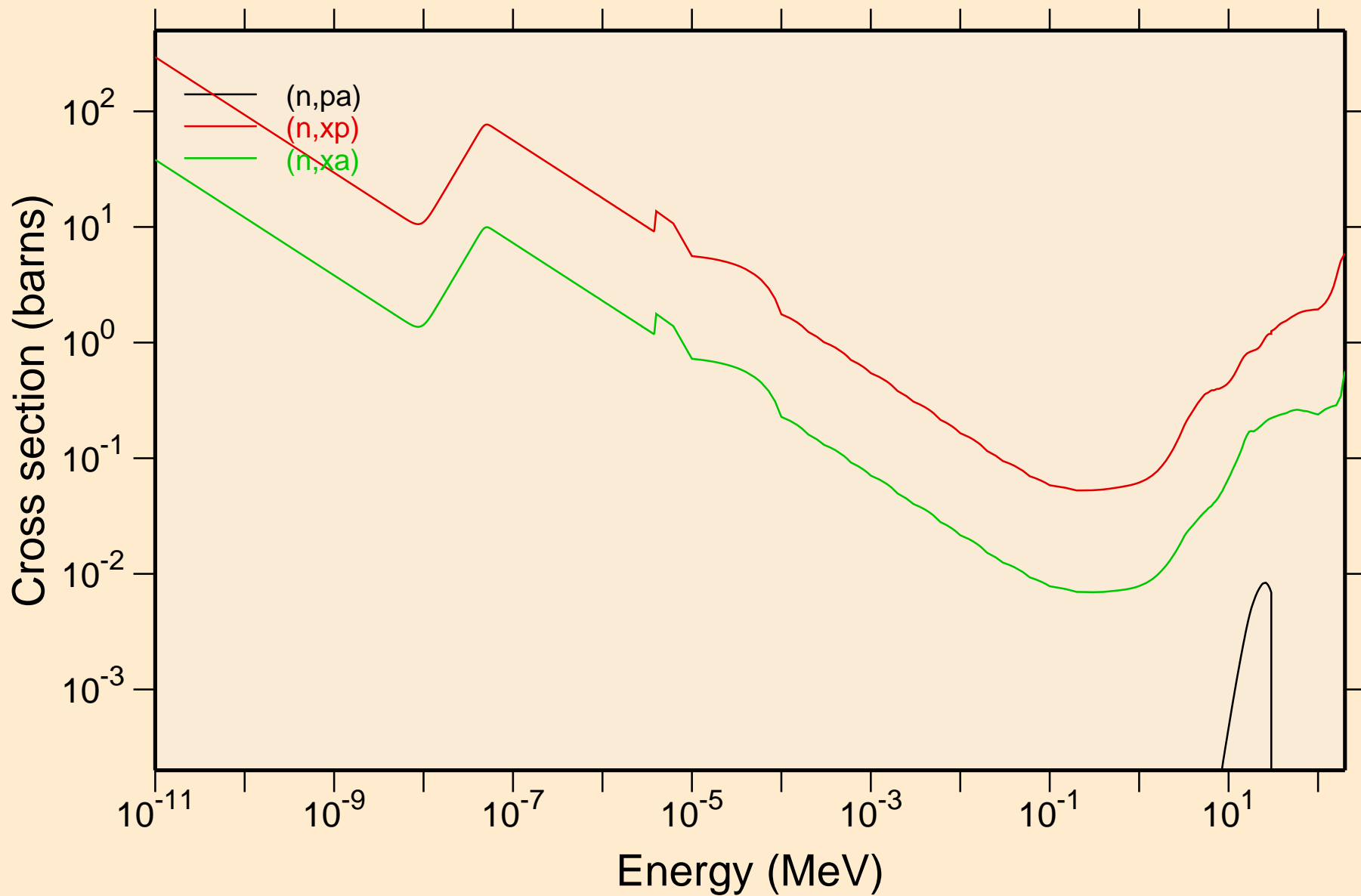
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

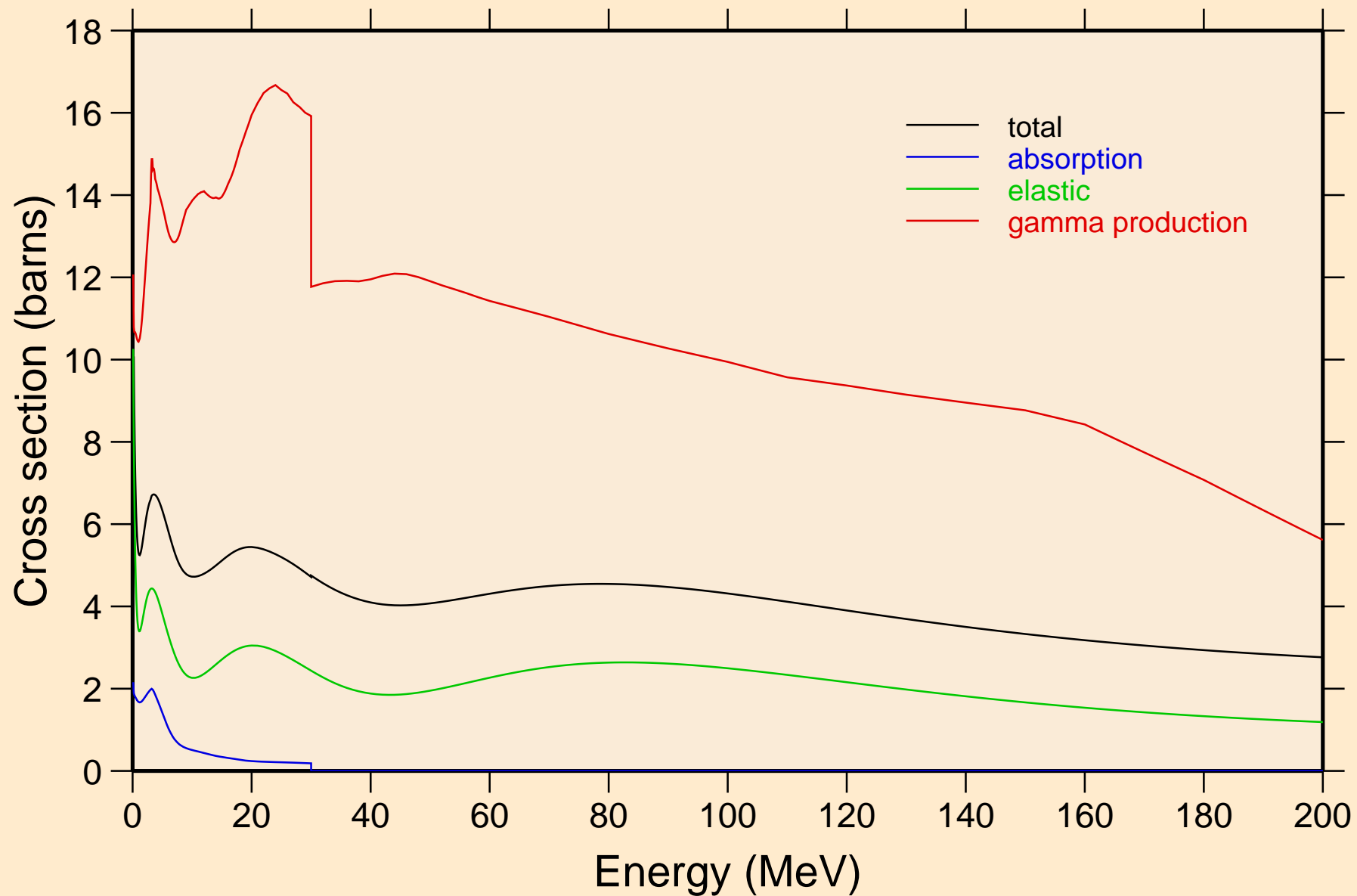


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

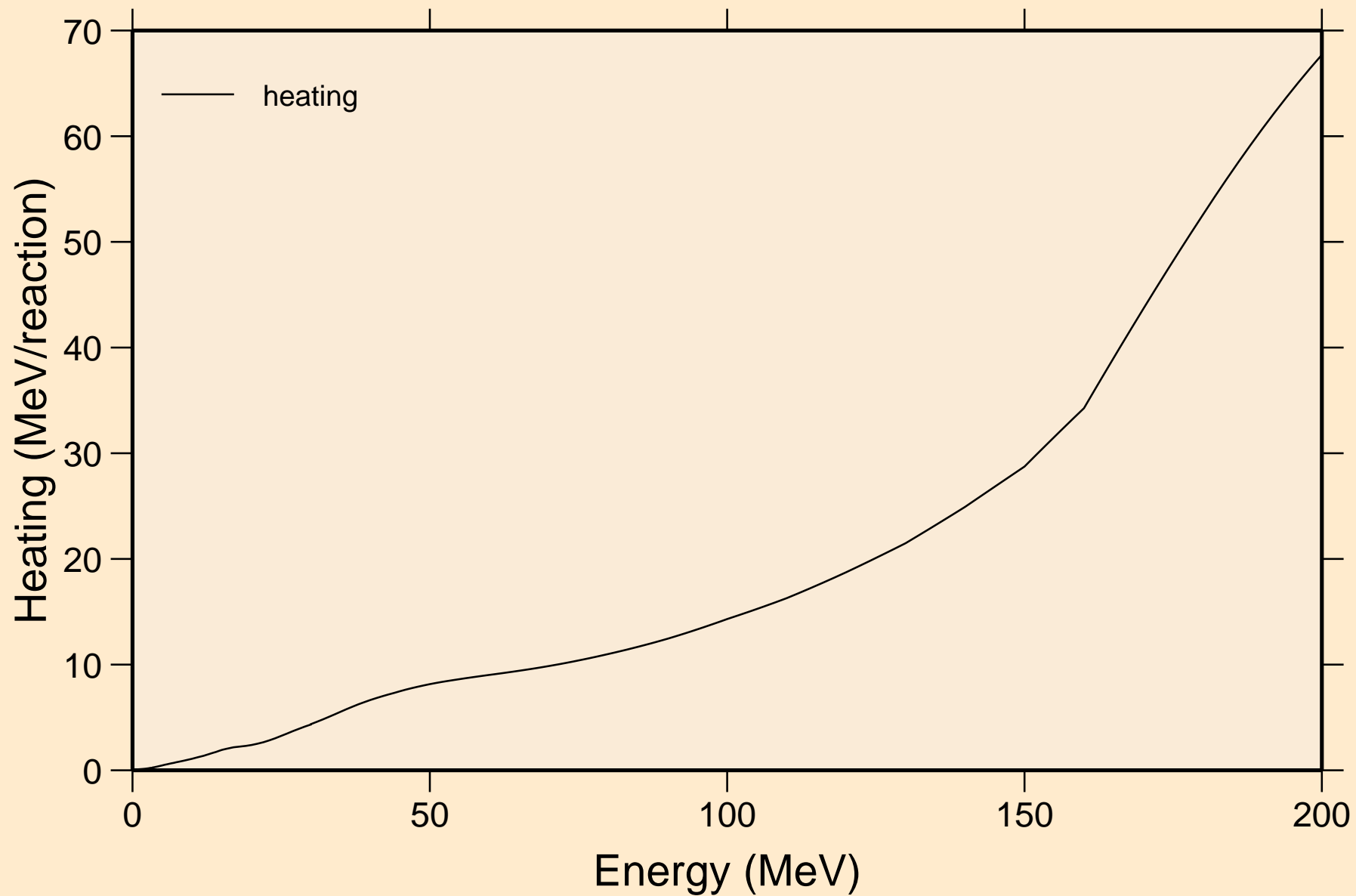


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

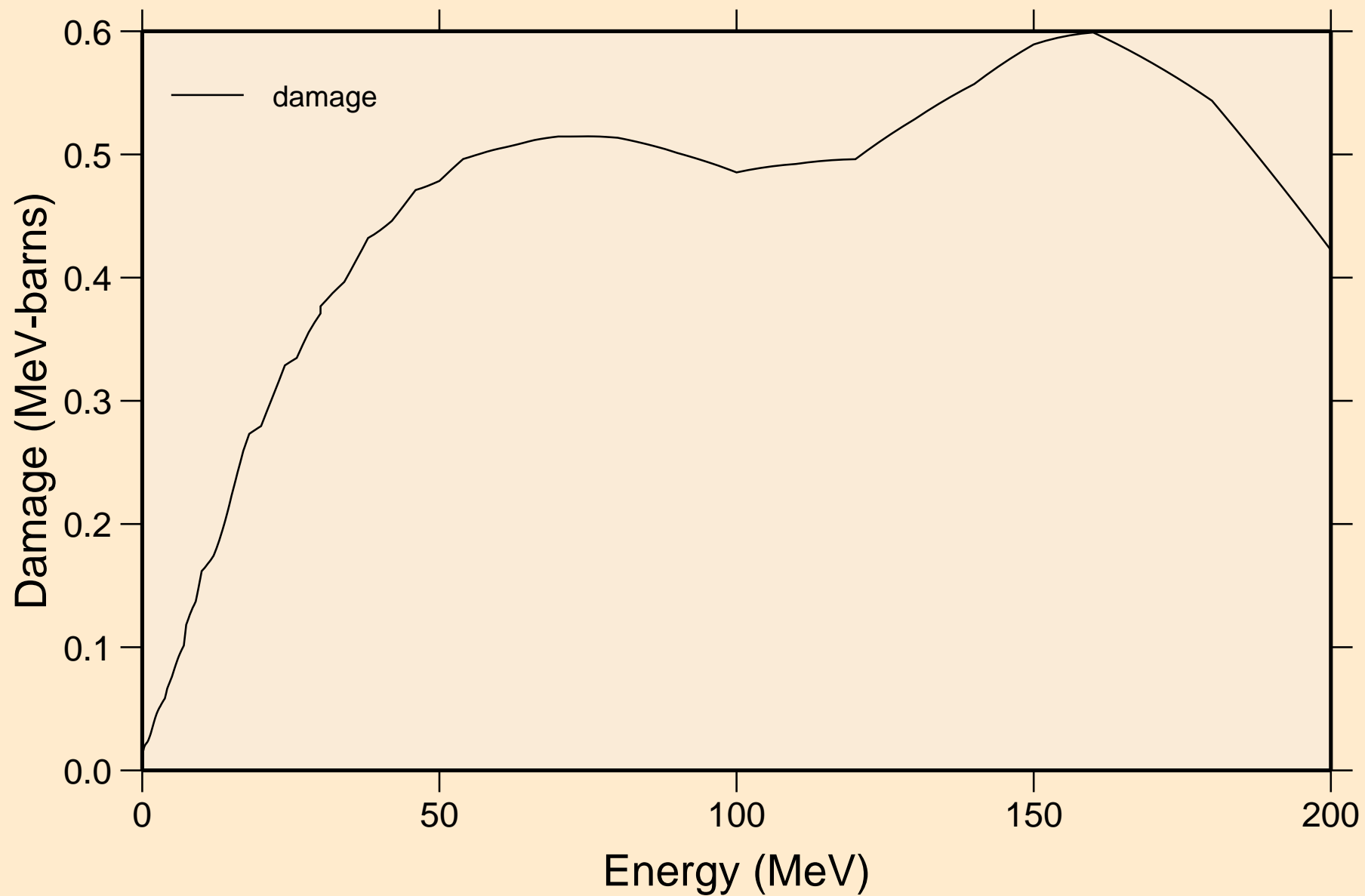
Principal cross sections



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

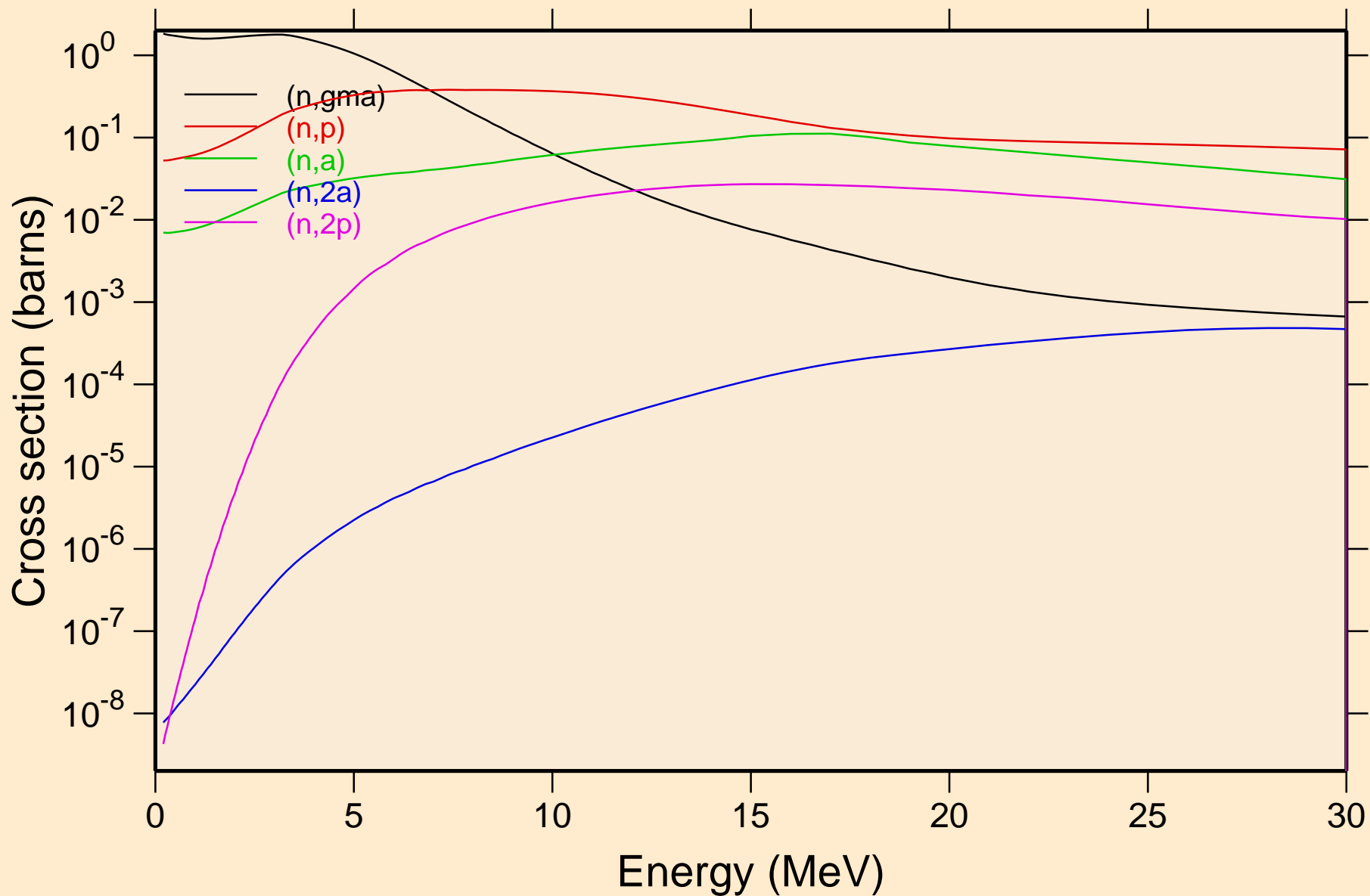


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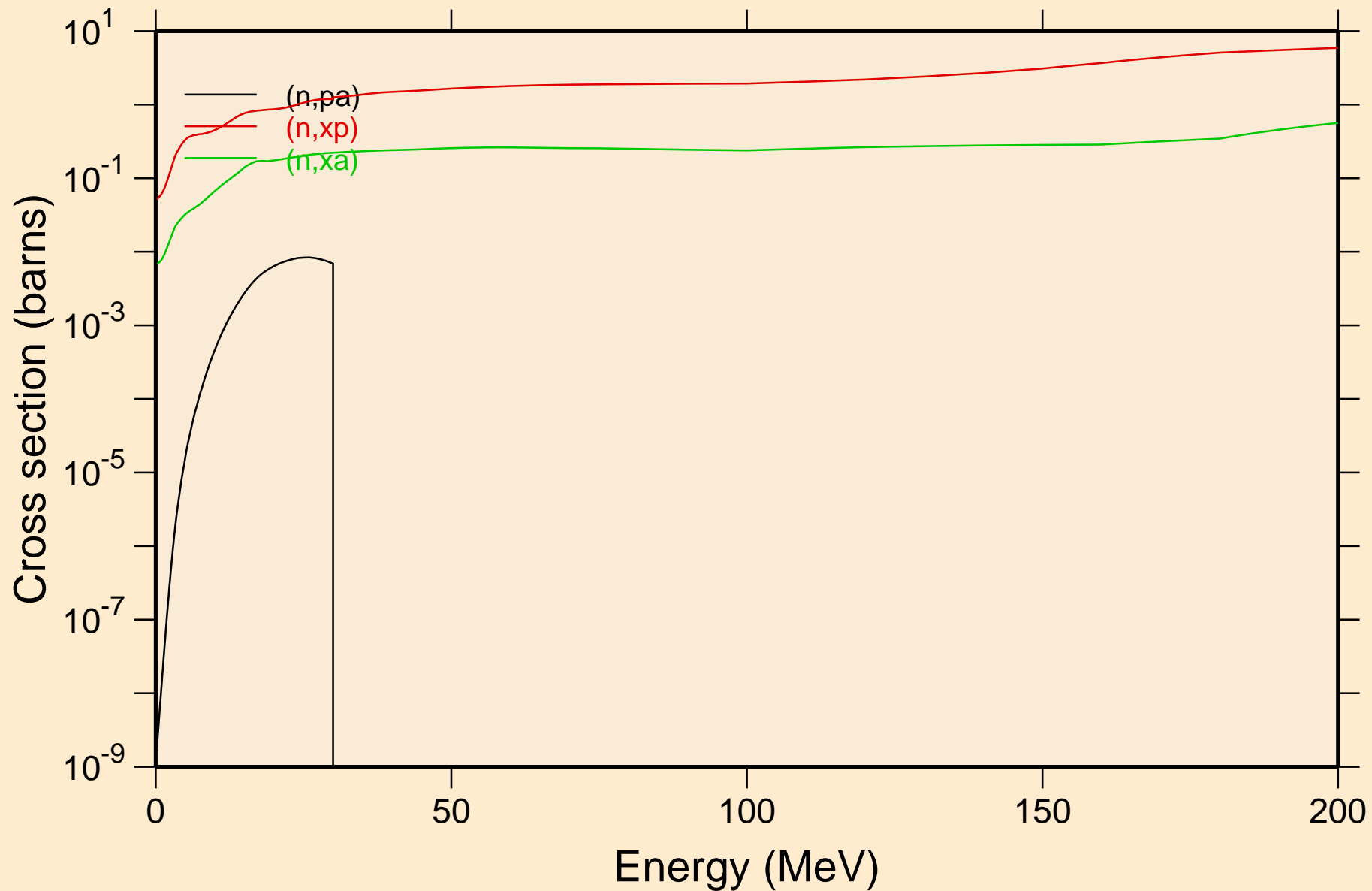


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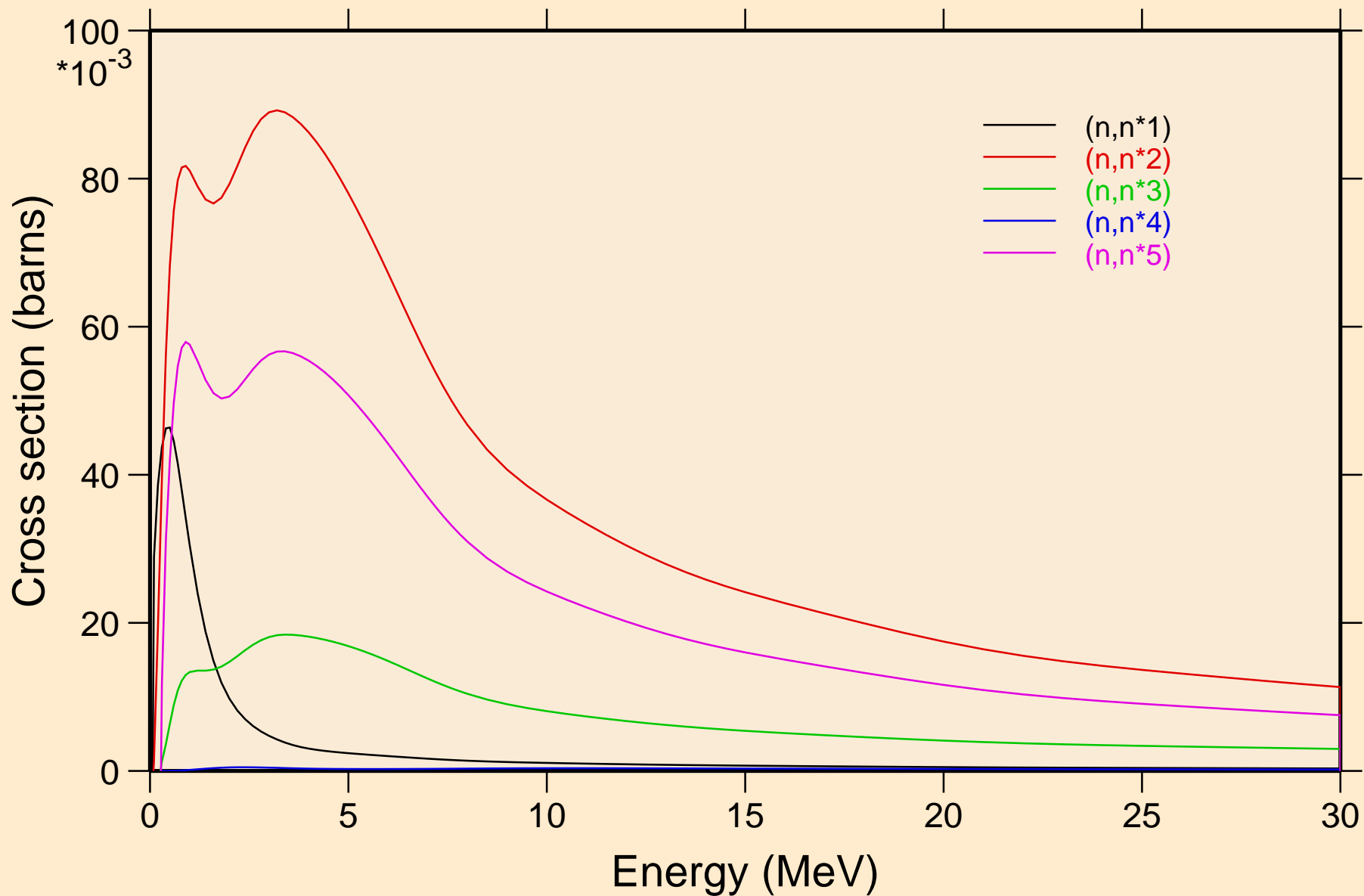
Non-threshold reactions



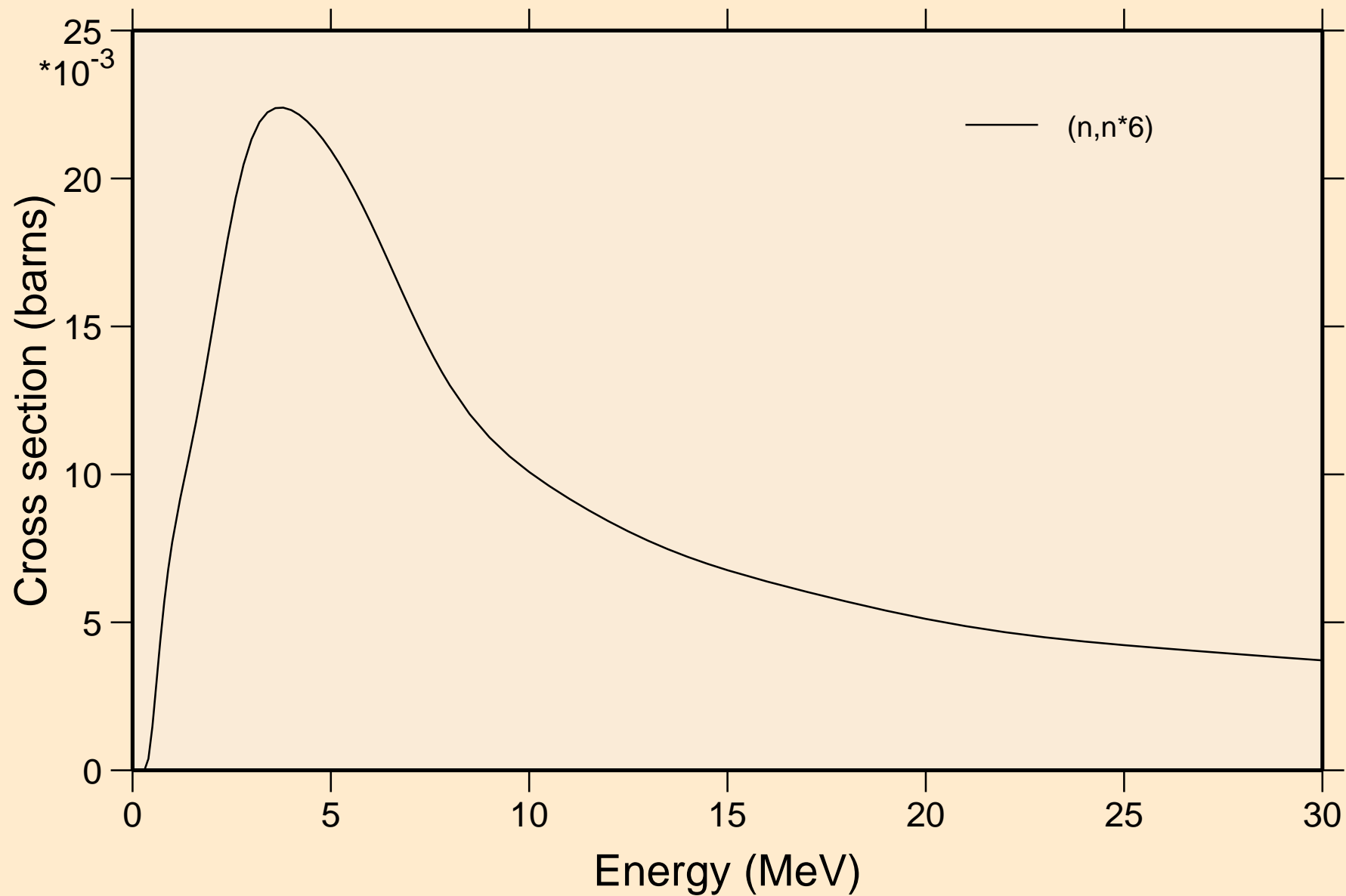
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

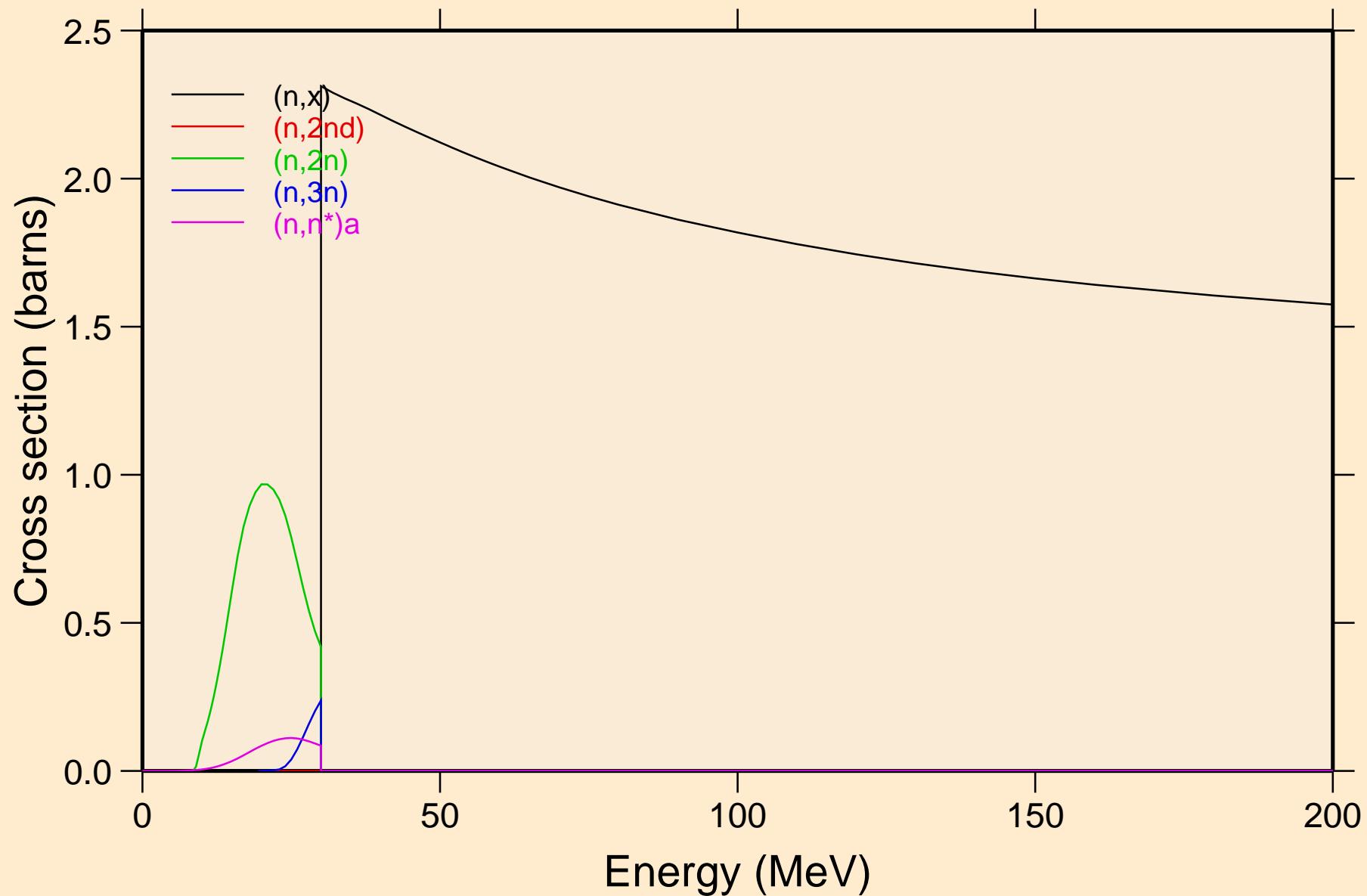


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

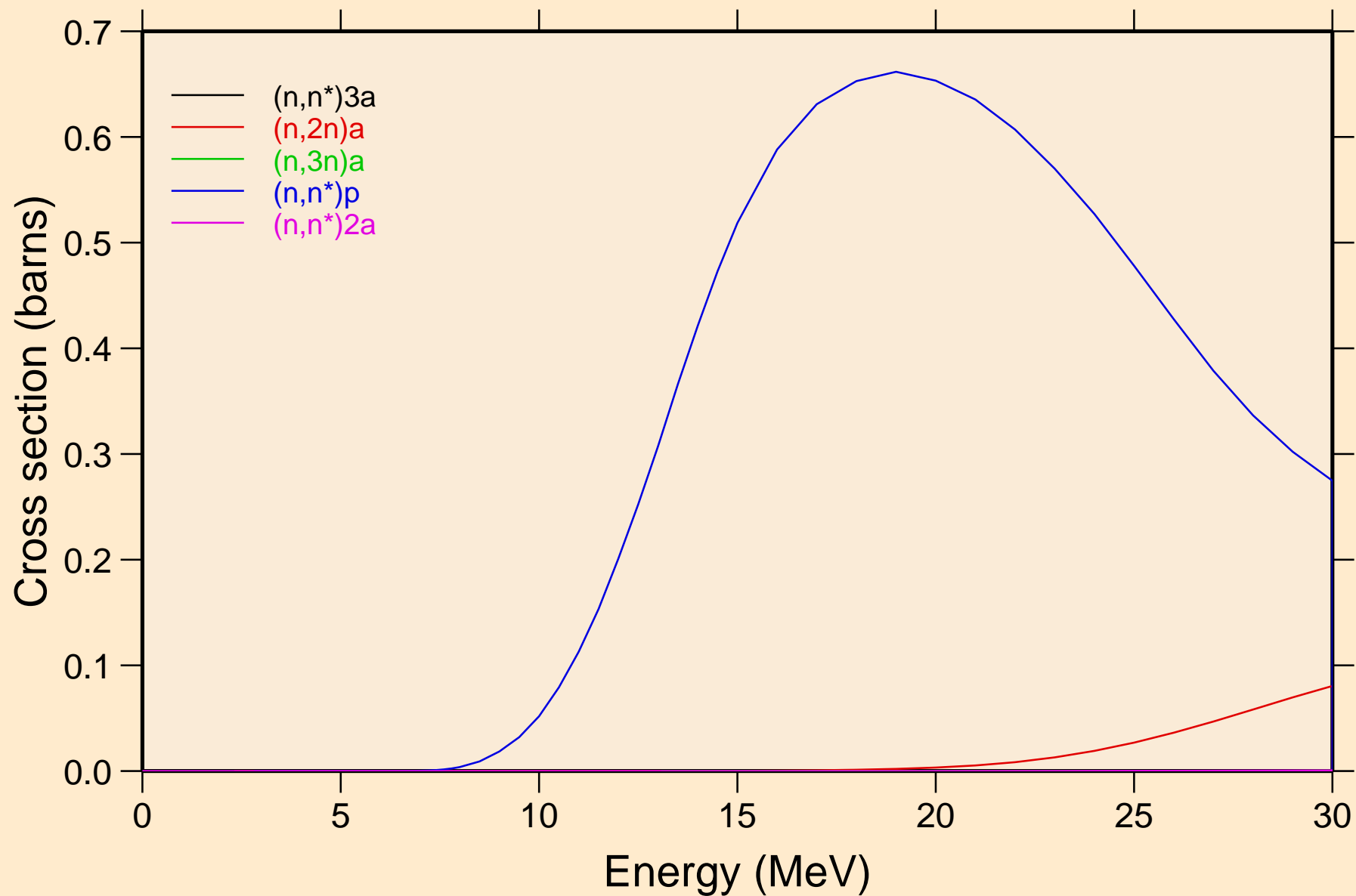


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

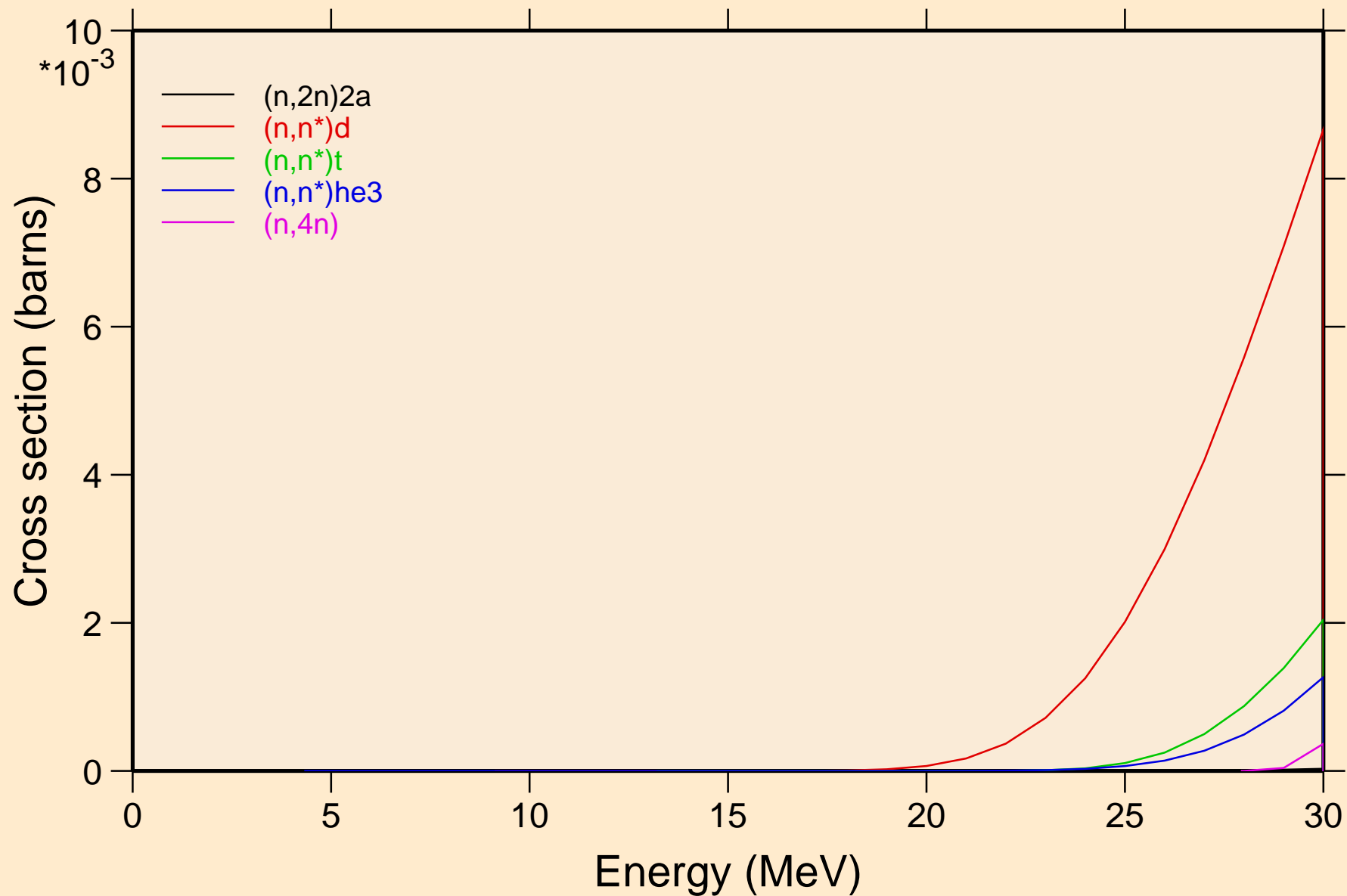
Threshold reactions



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

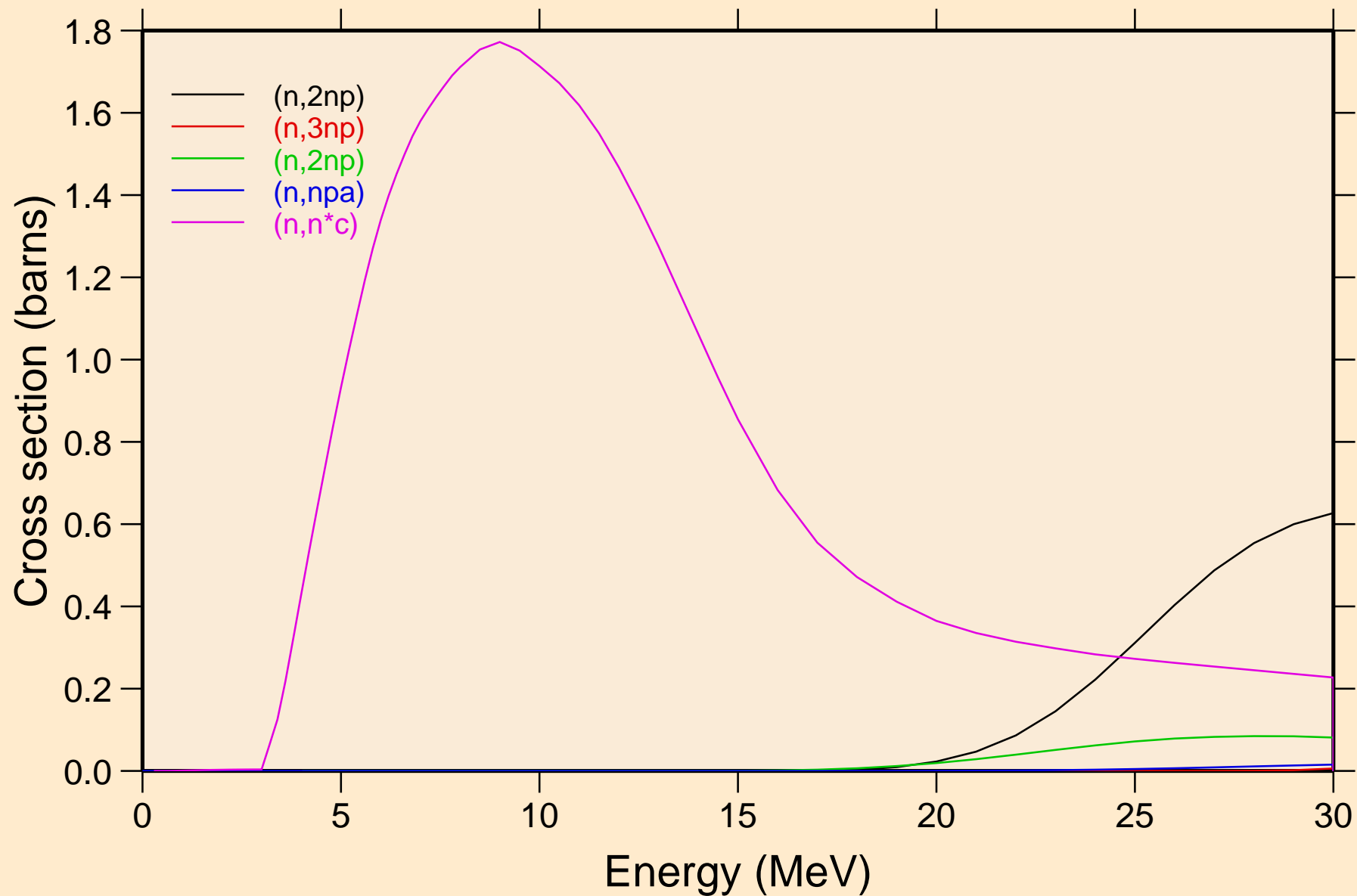


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



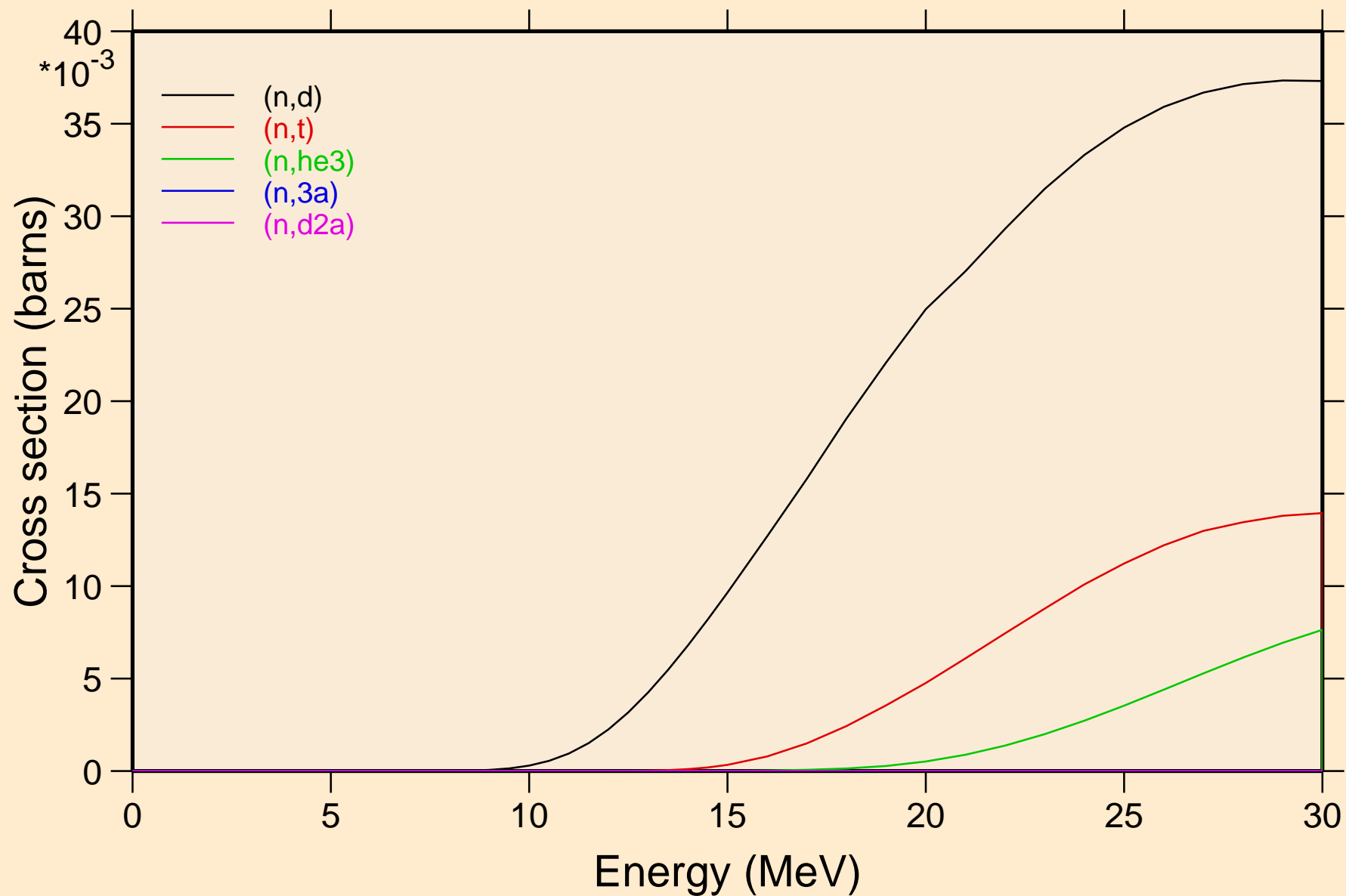
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

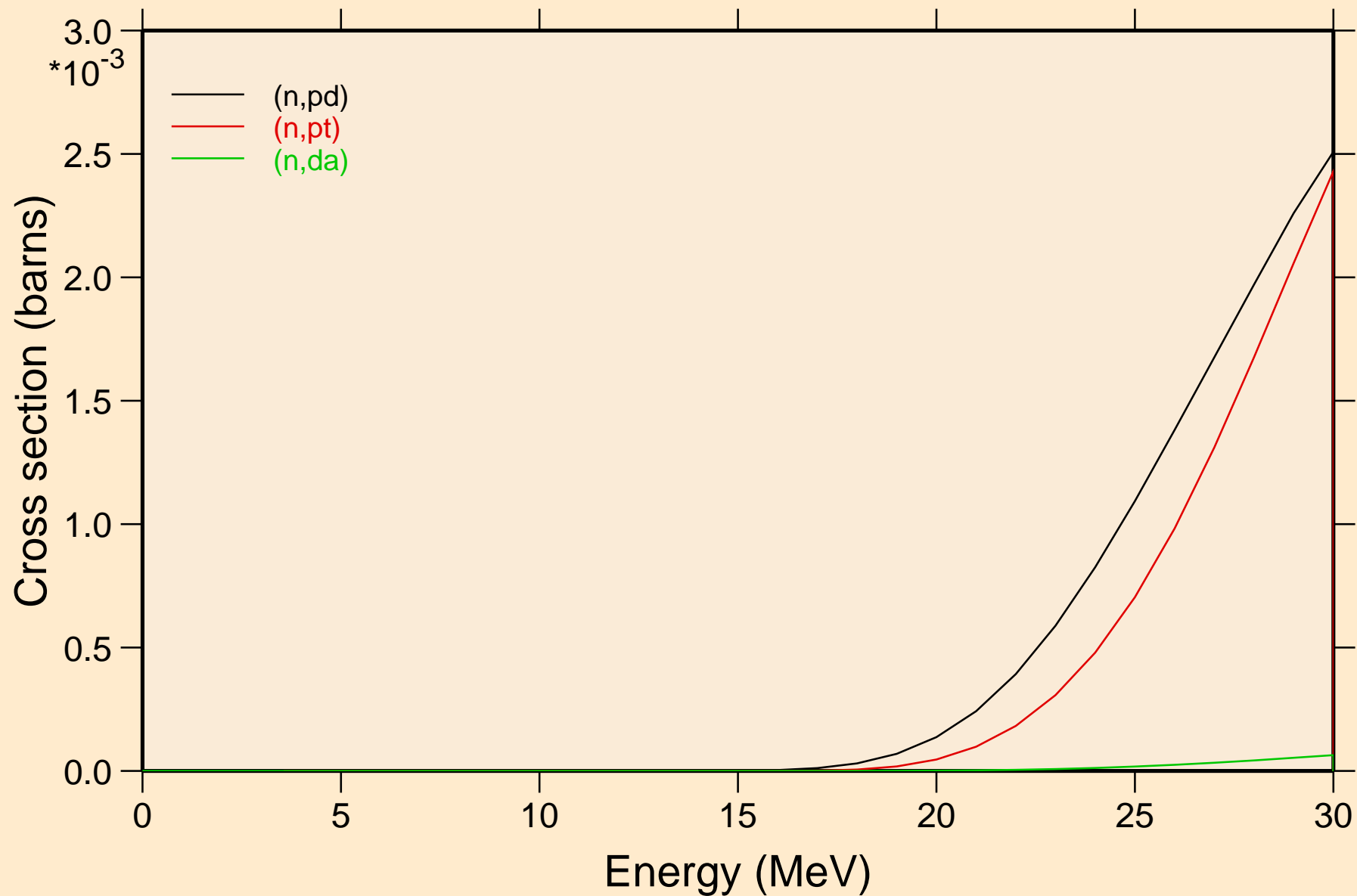


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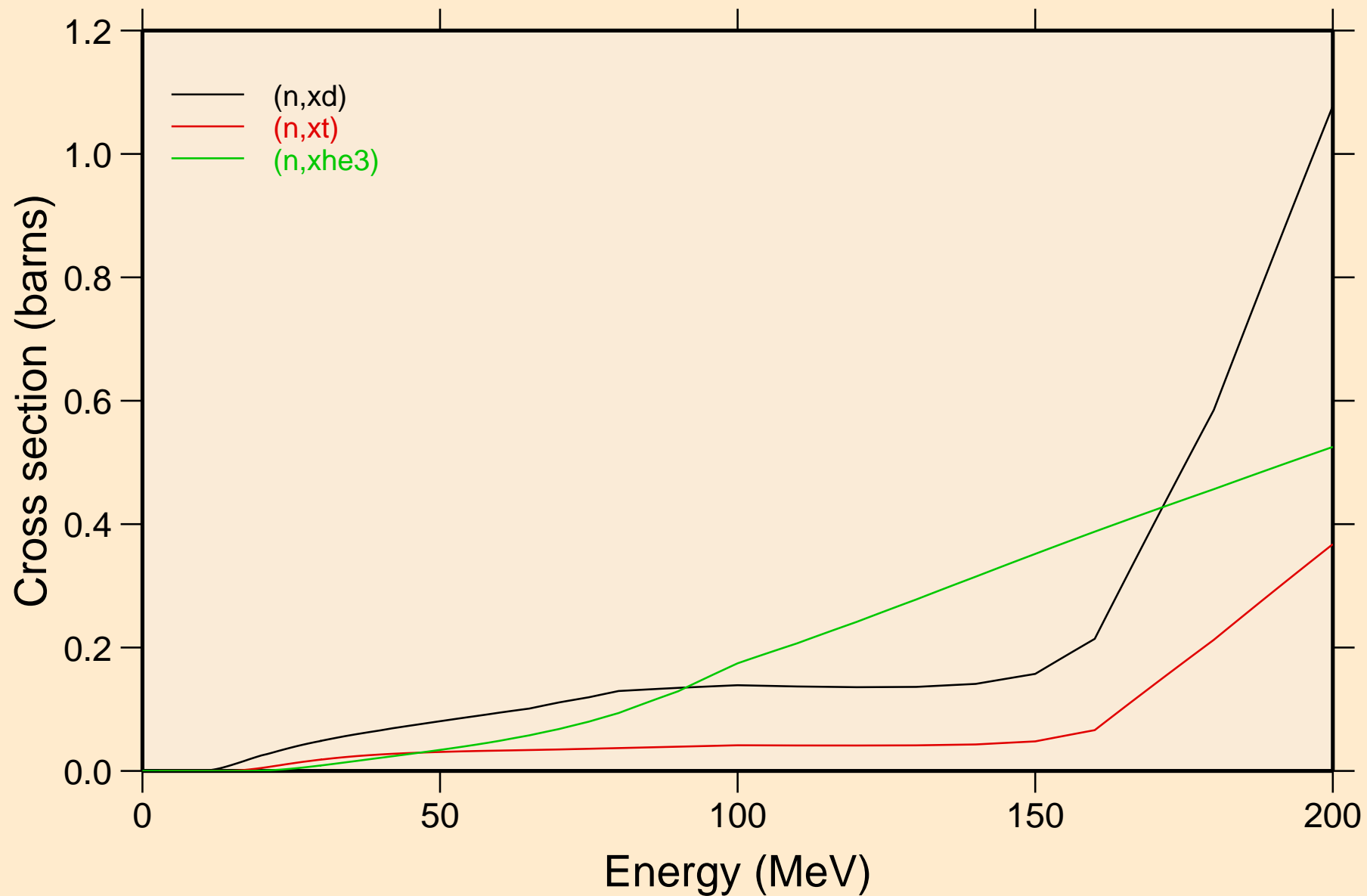
Threshold reactions



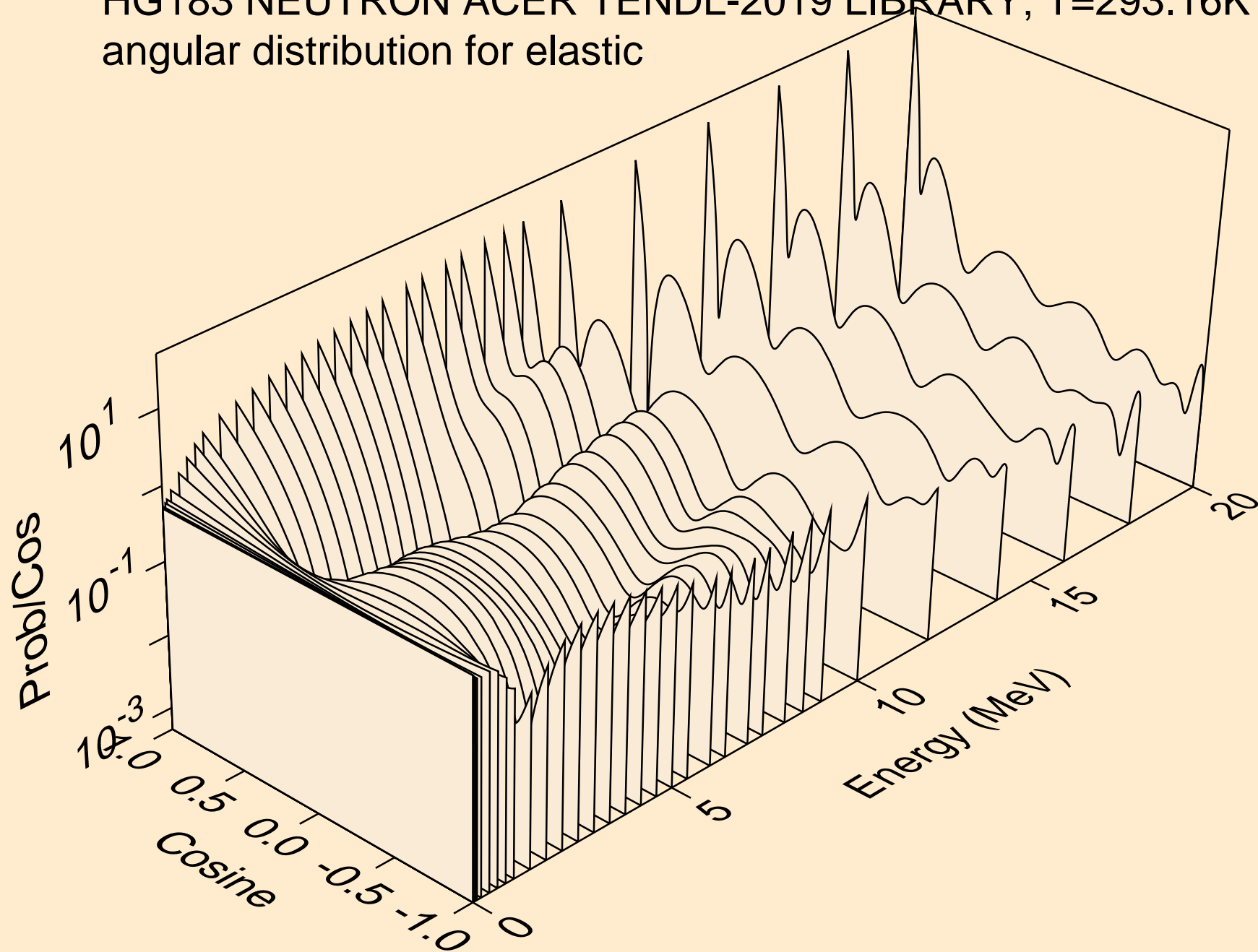
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Threshold reactions



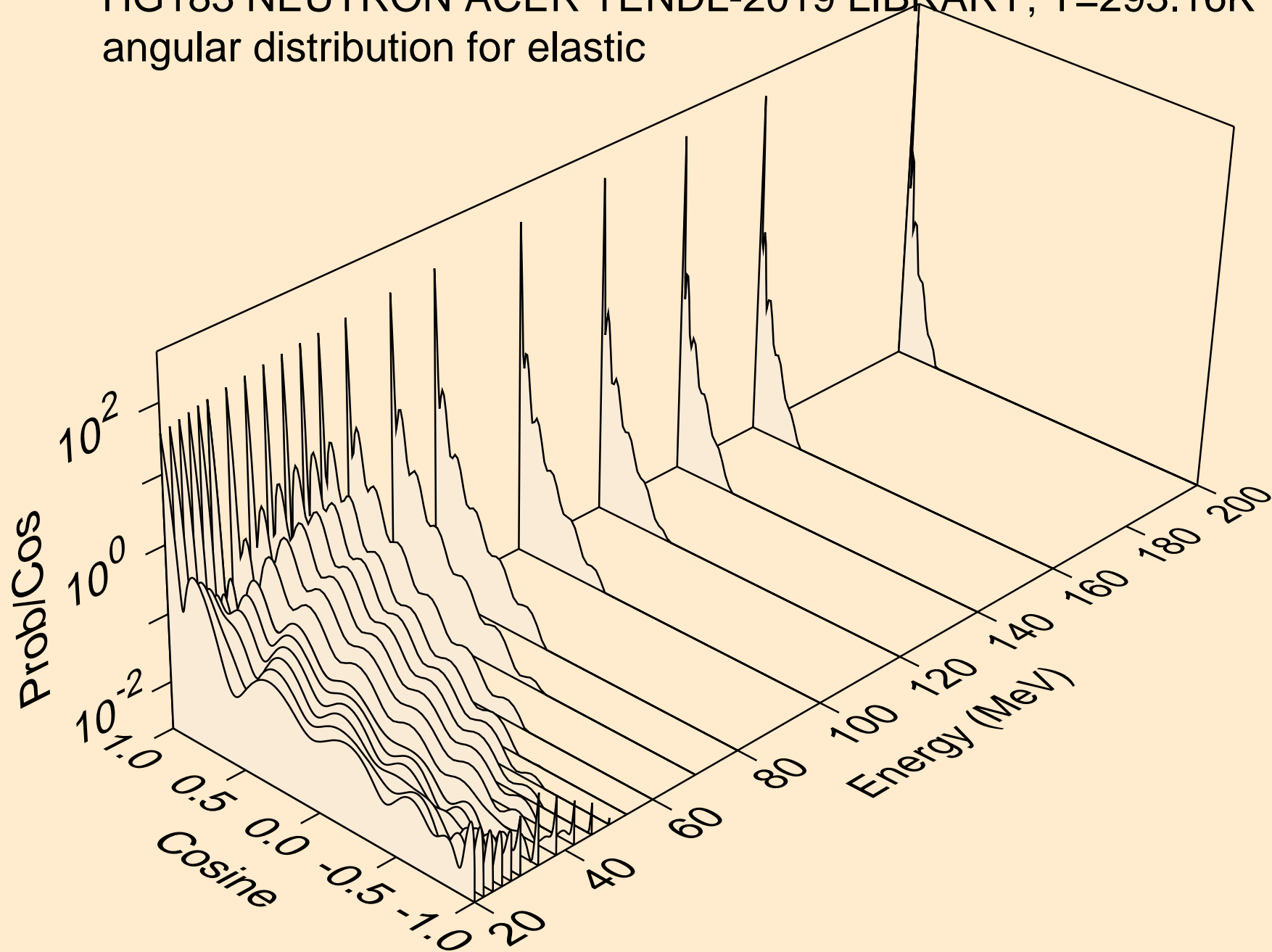
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



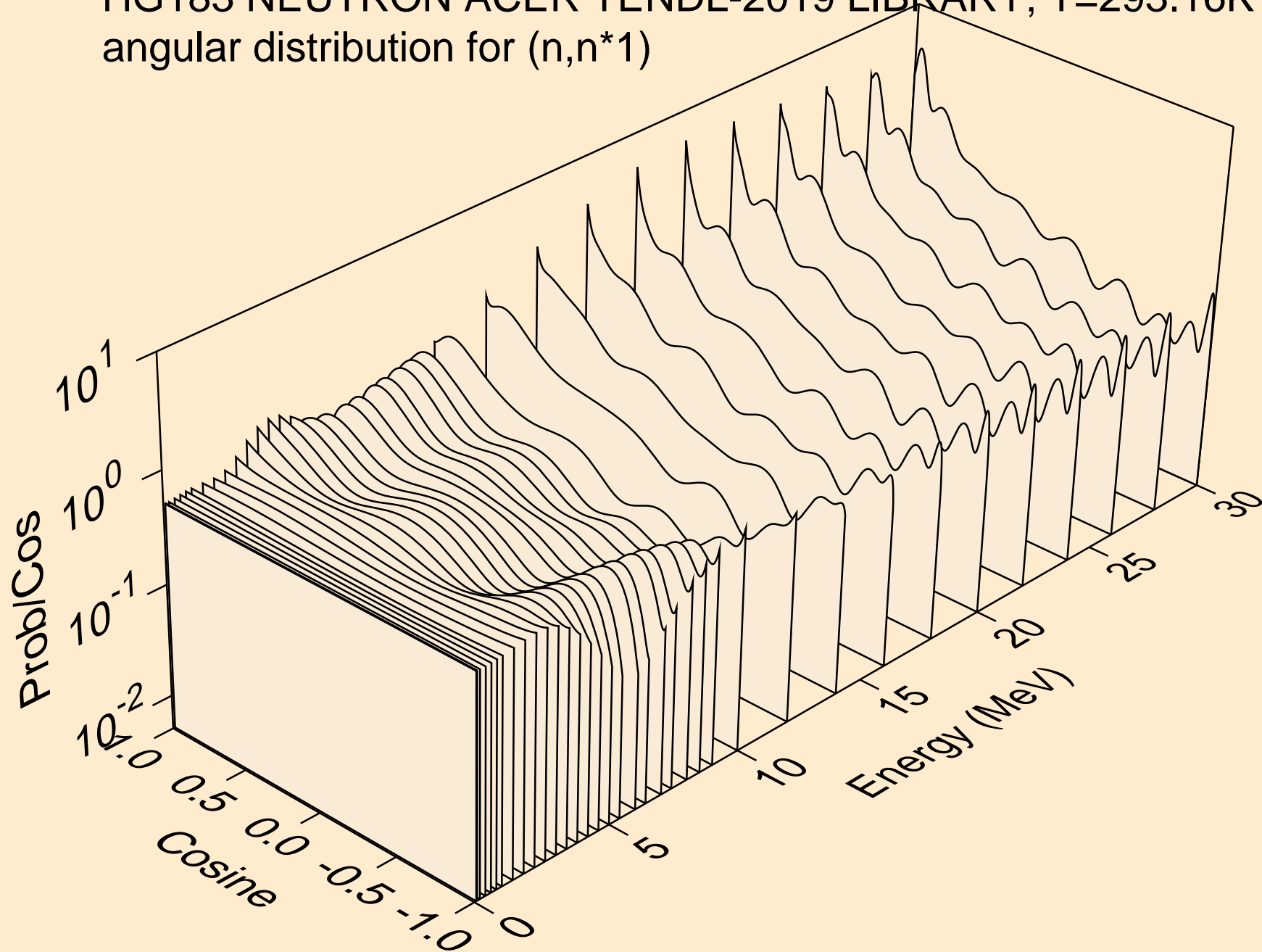
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



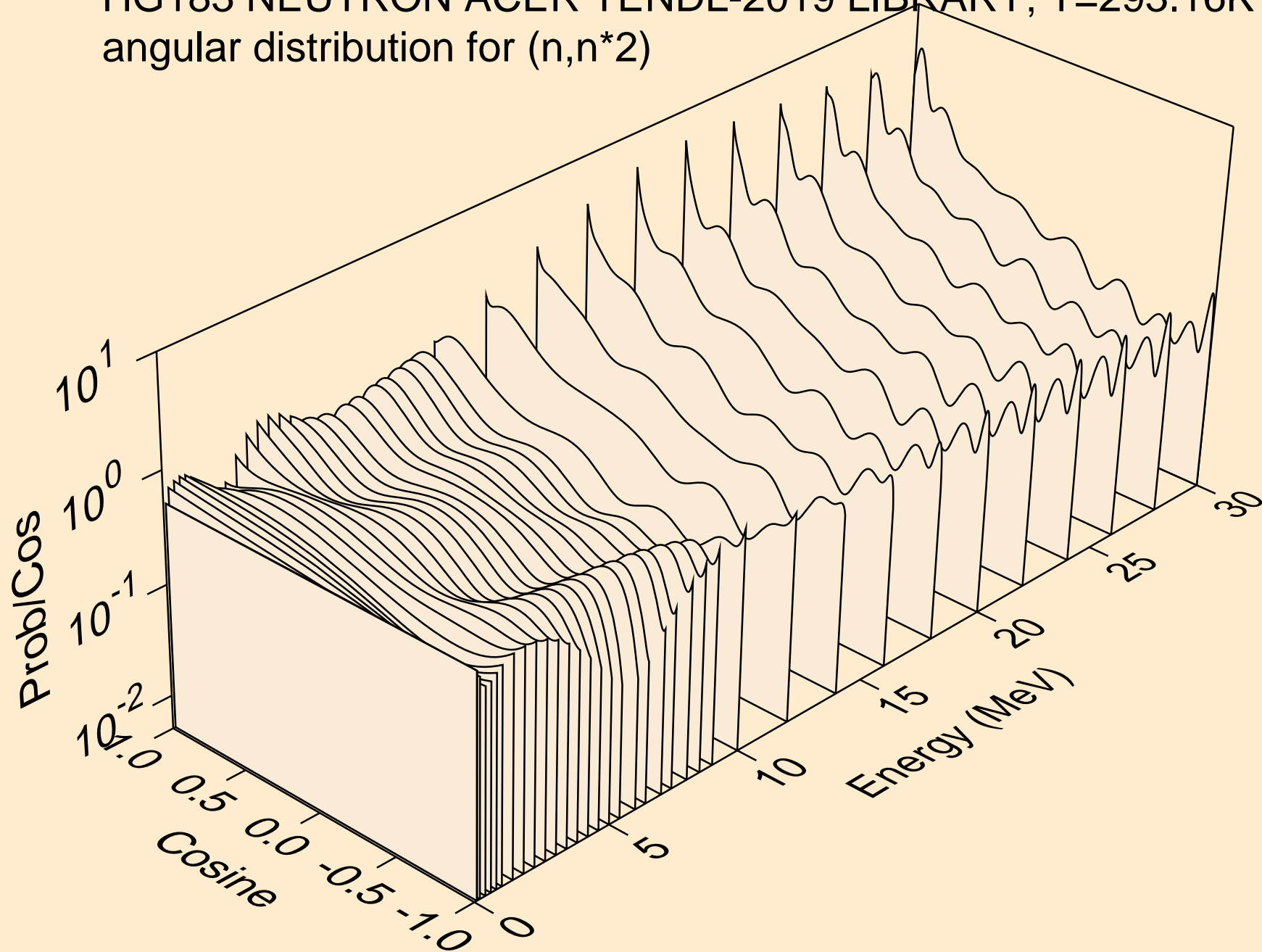
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



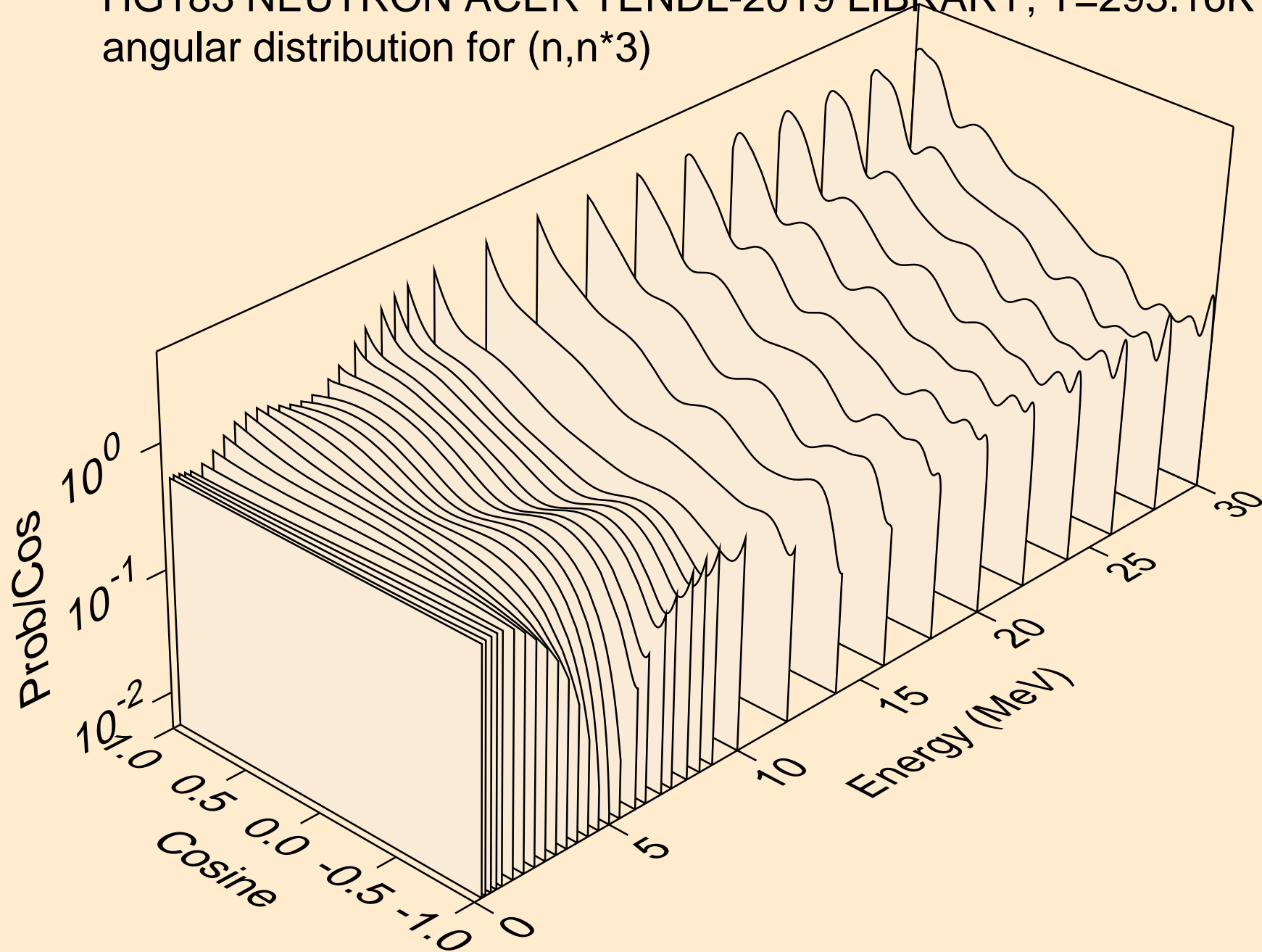
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



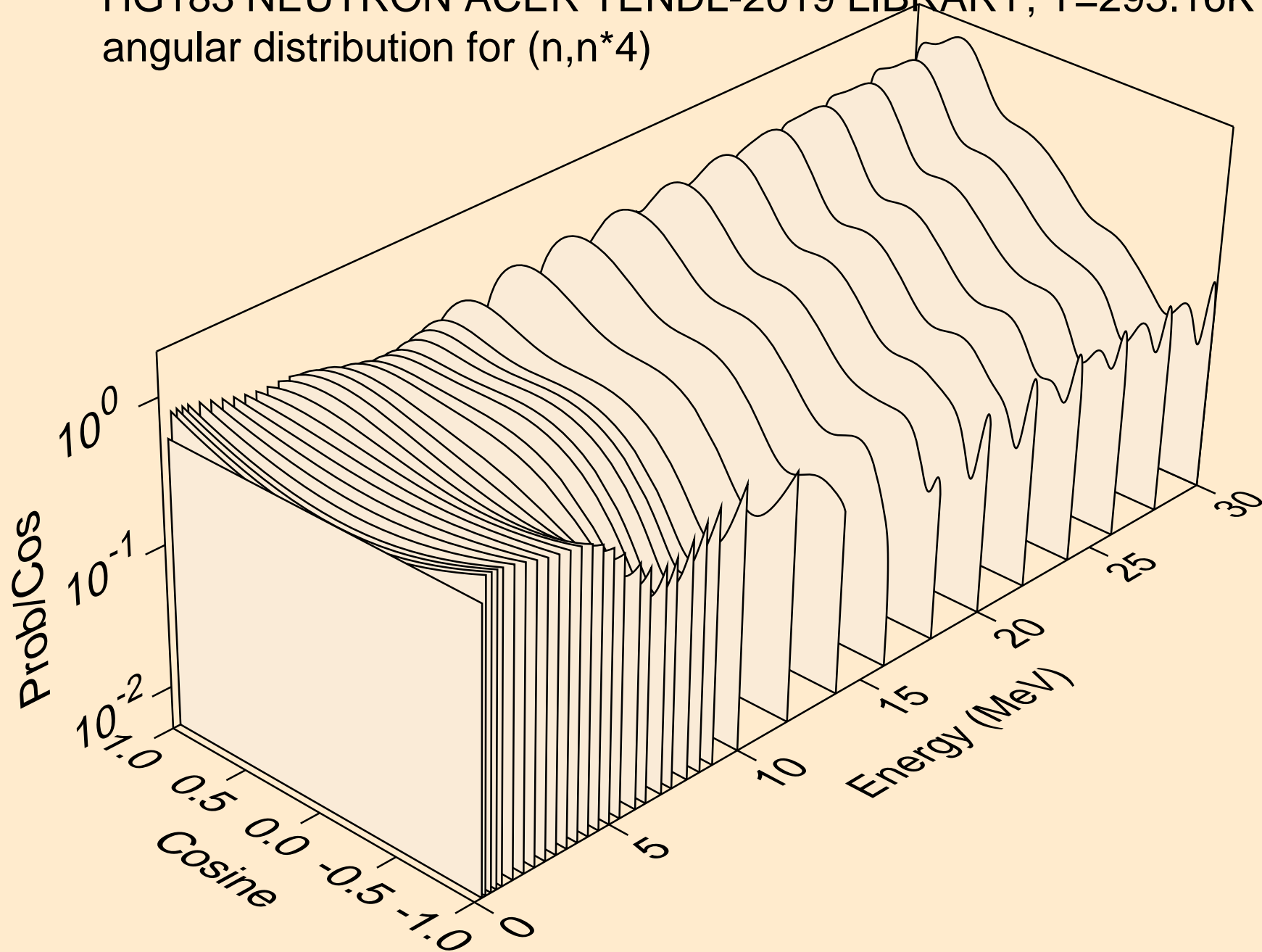
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angular distribution for (n,n*2)



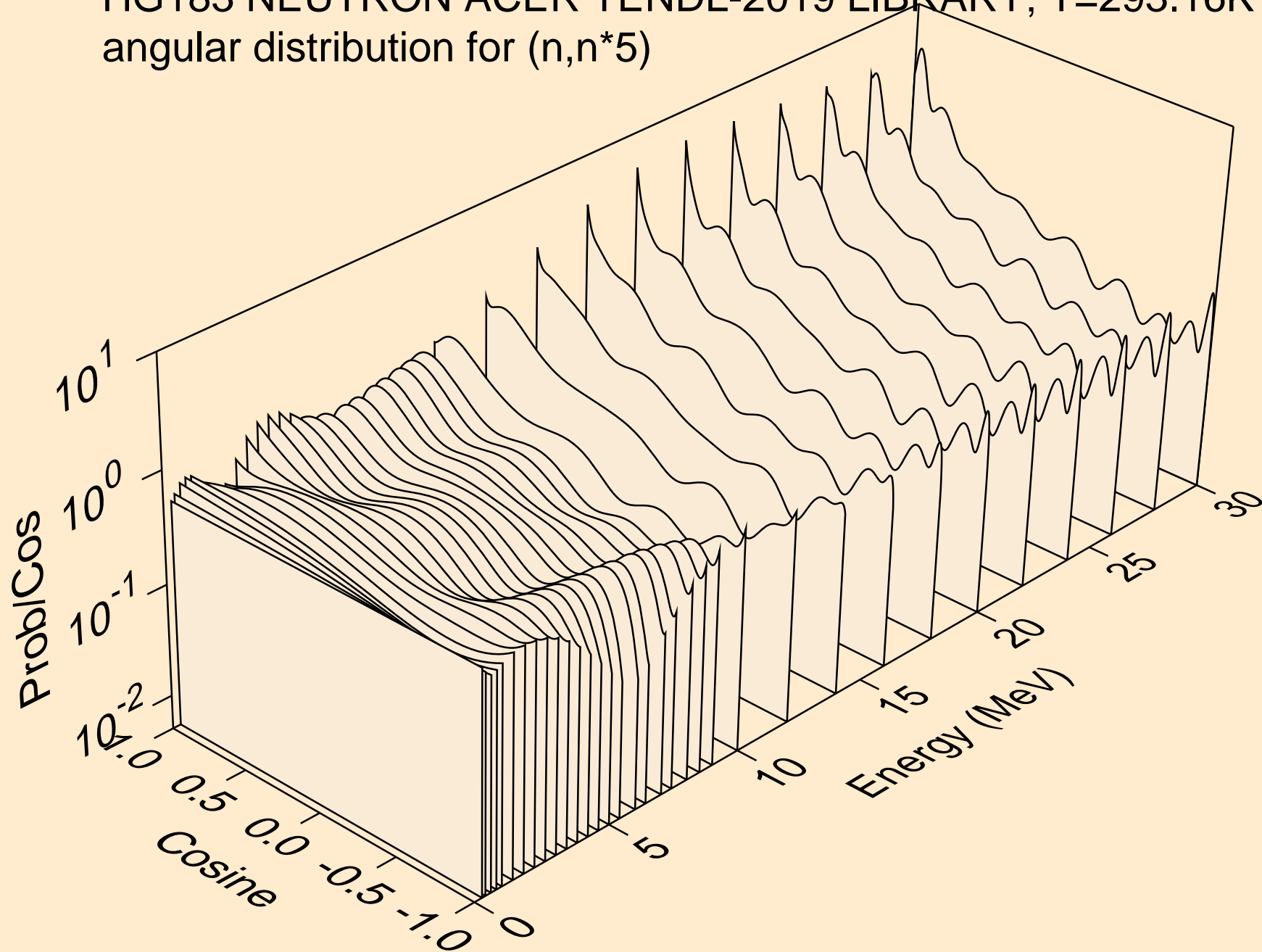
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angular distribution for (n,n*3)



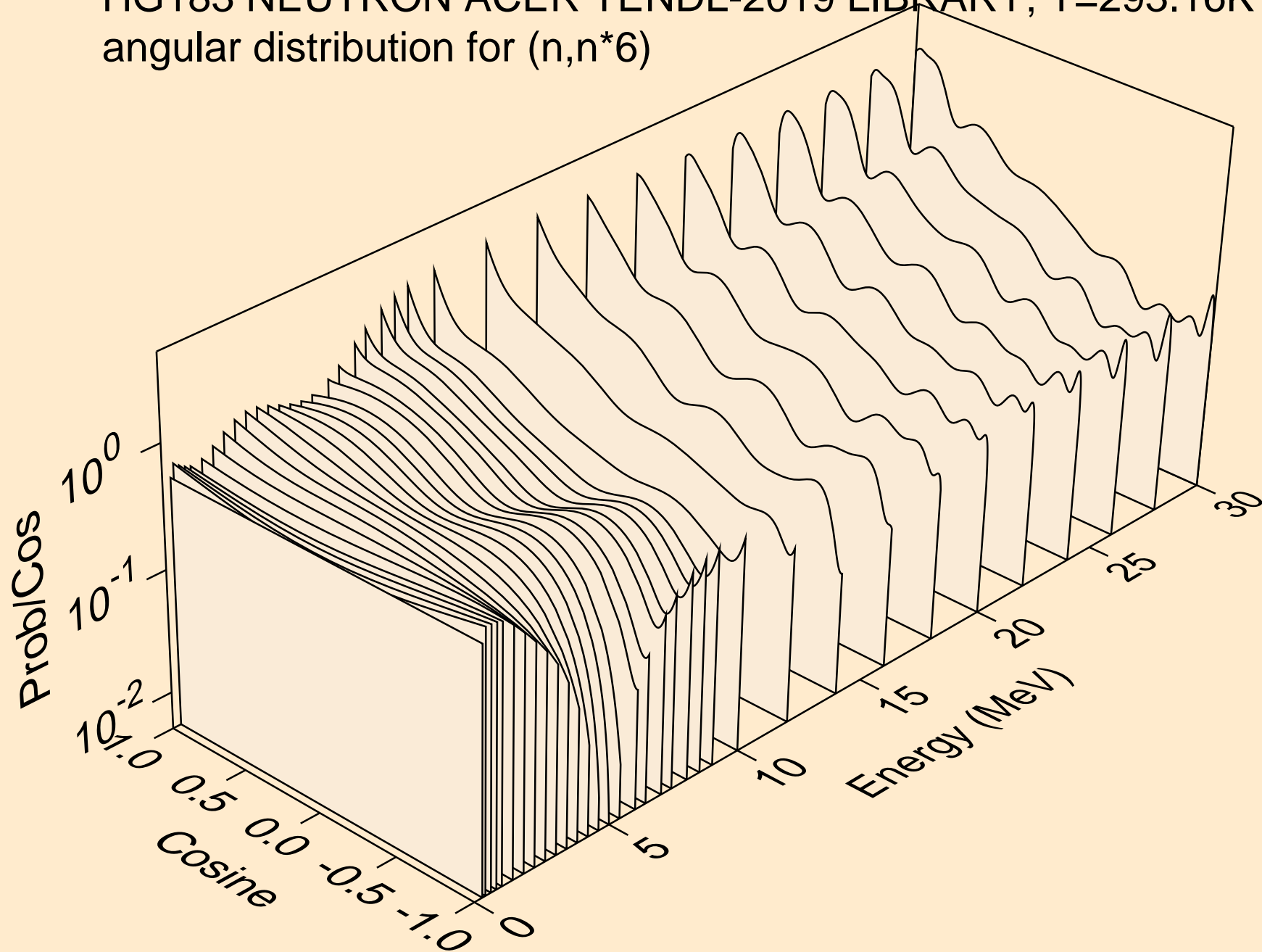
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angular distribution for (n,n*4)



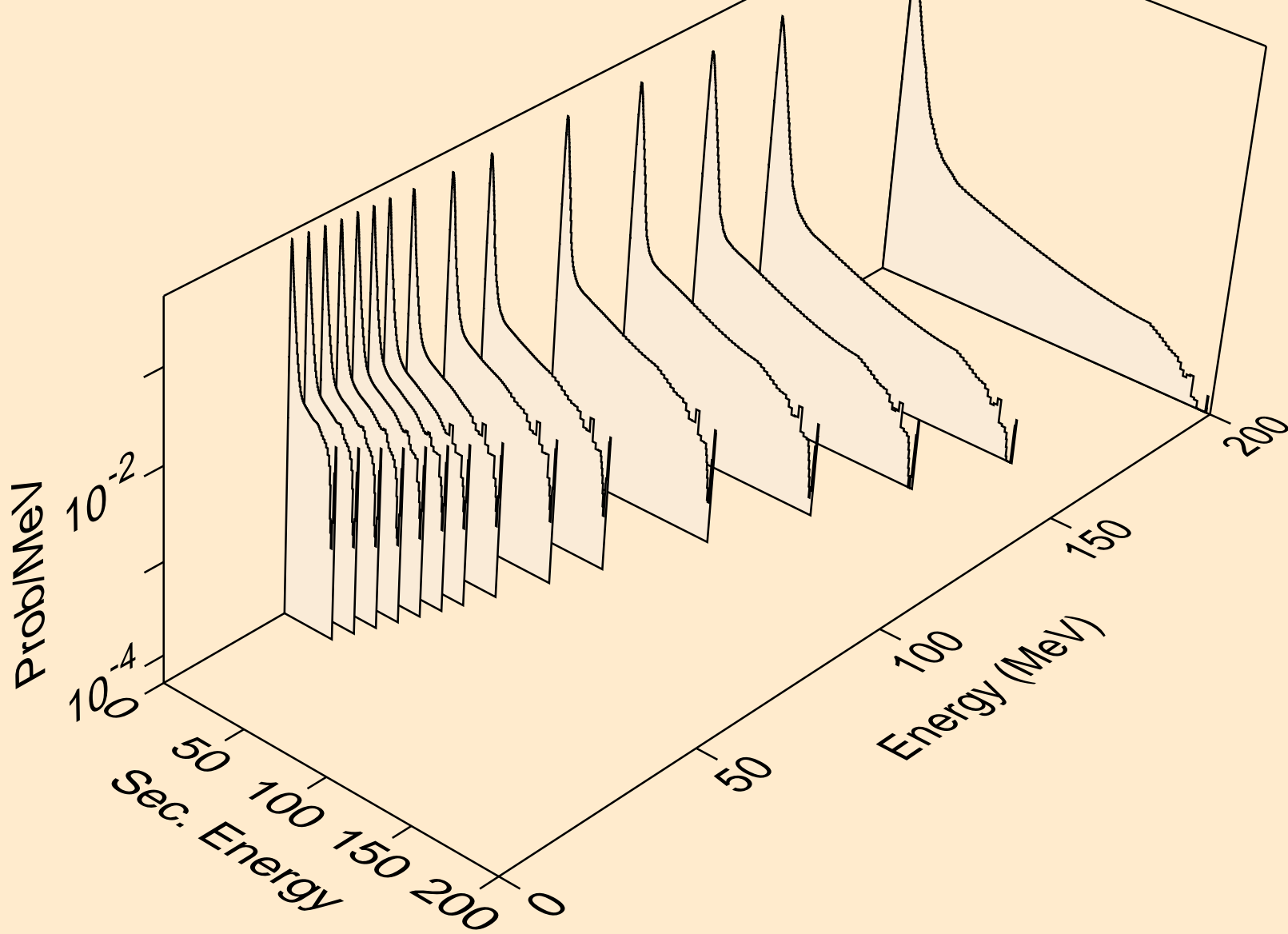
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angular distribution for (n,n*5)



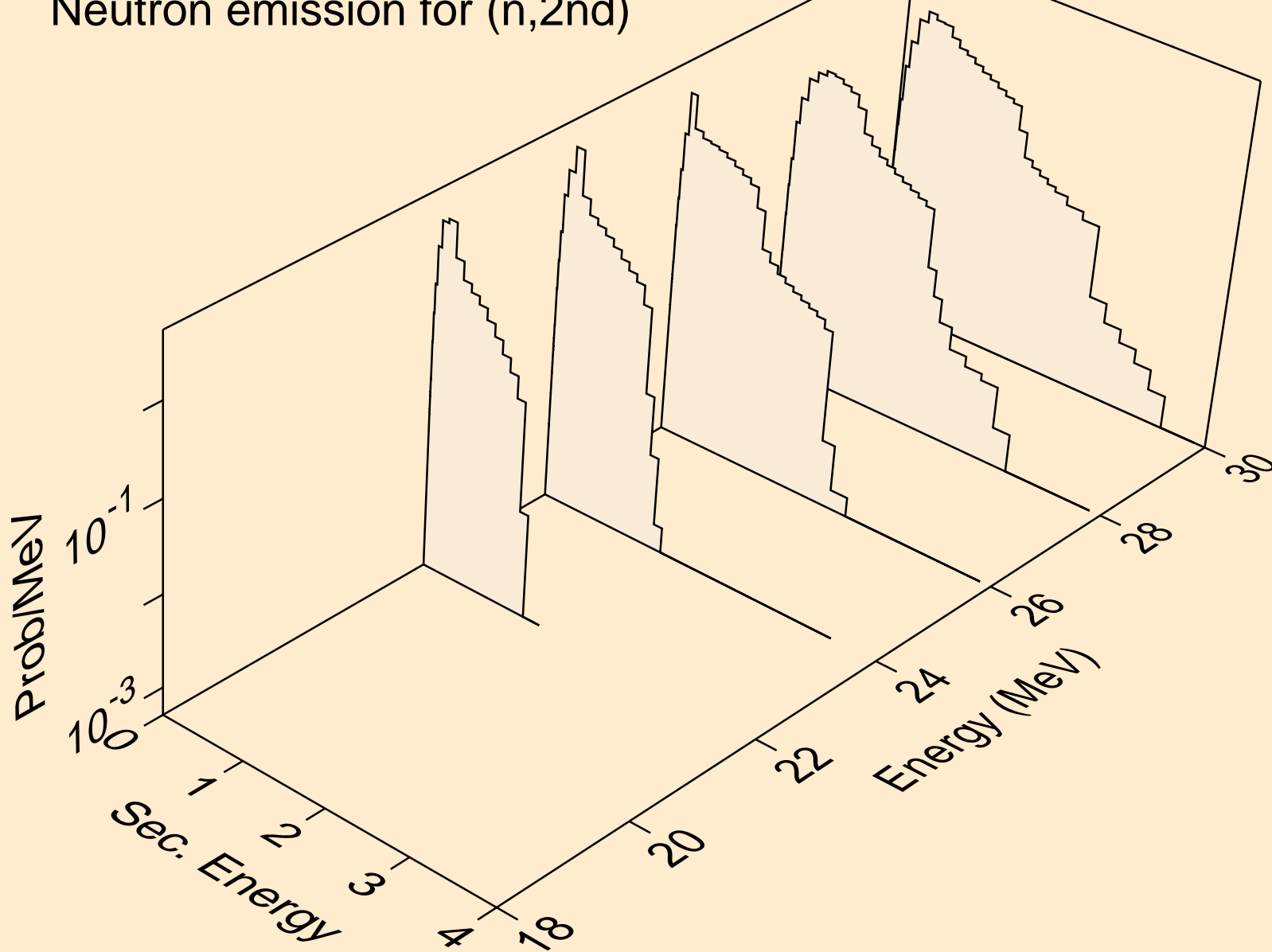
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angular distribution for (n,n*6)



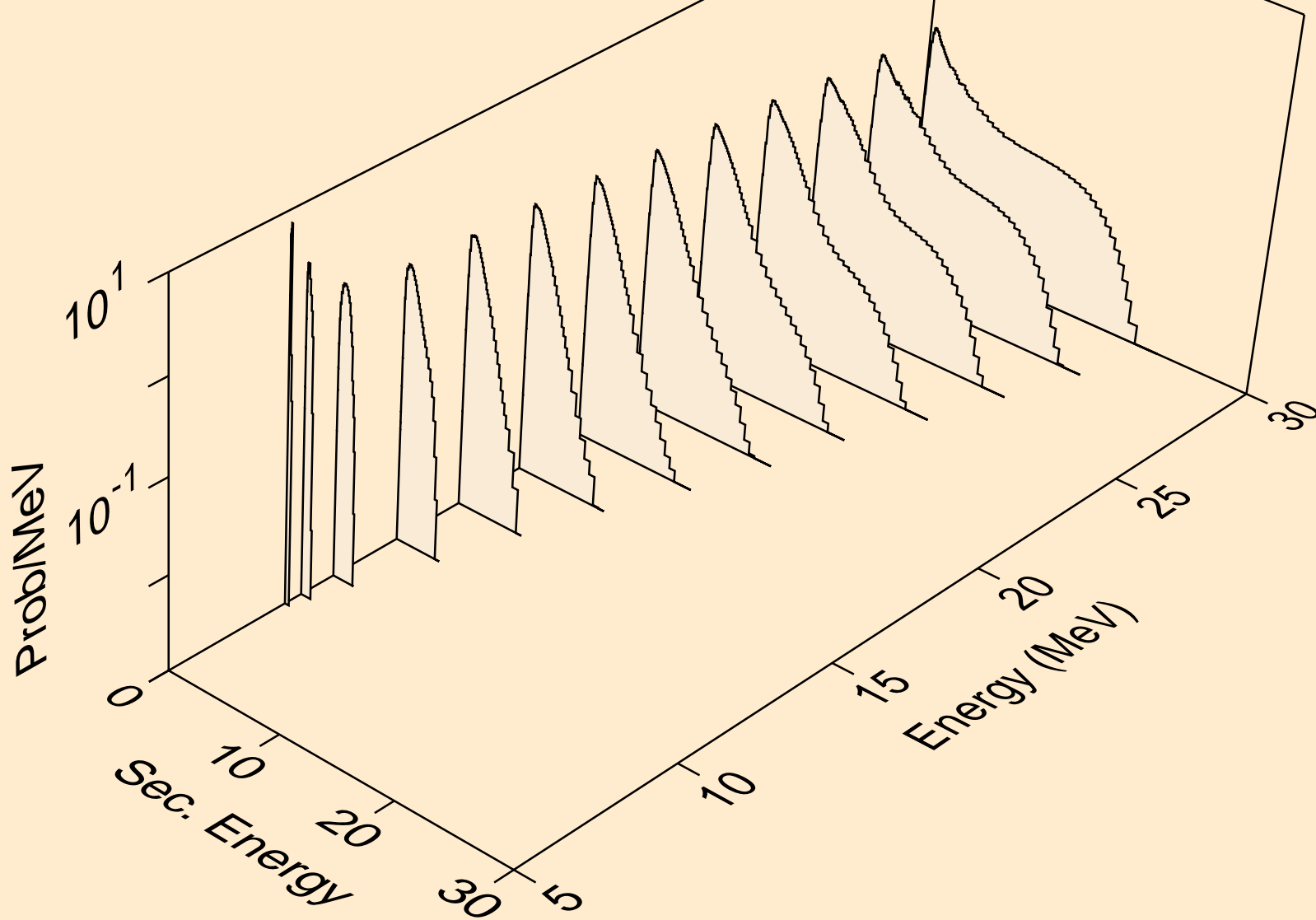
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



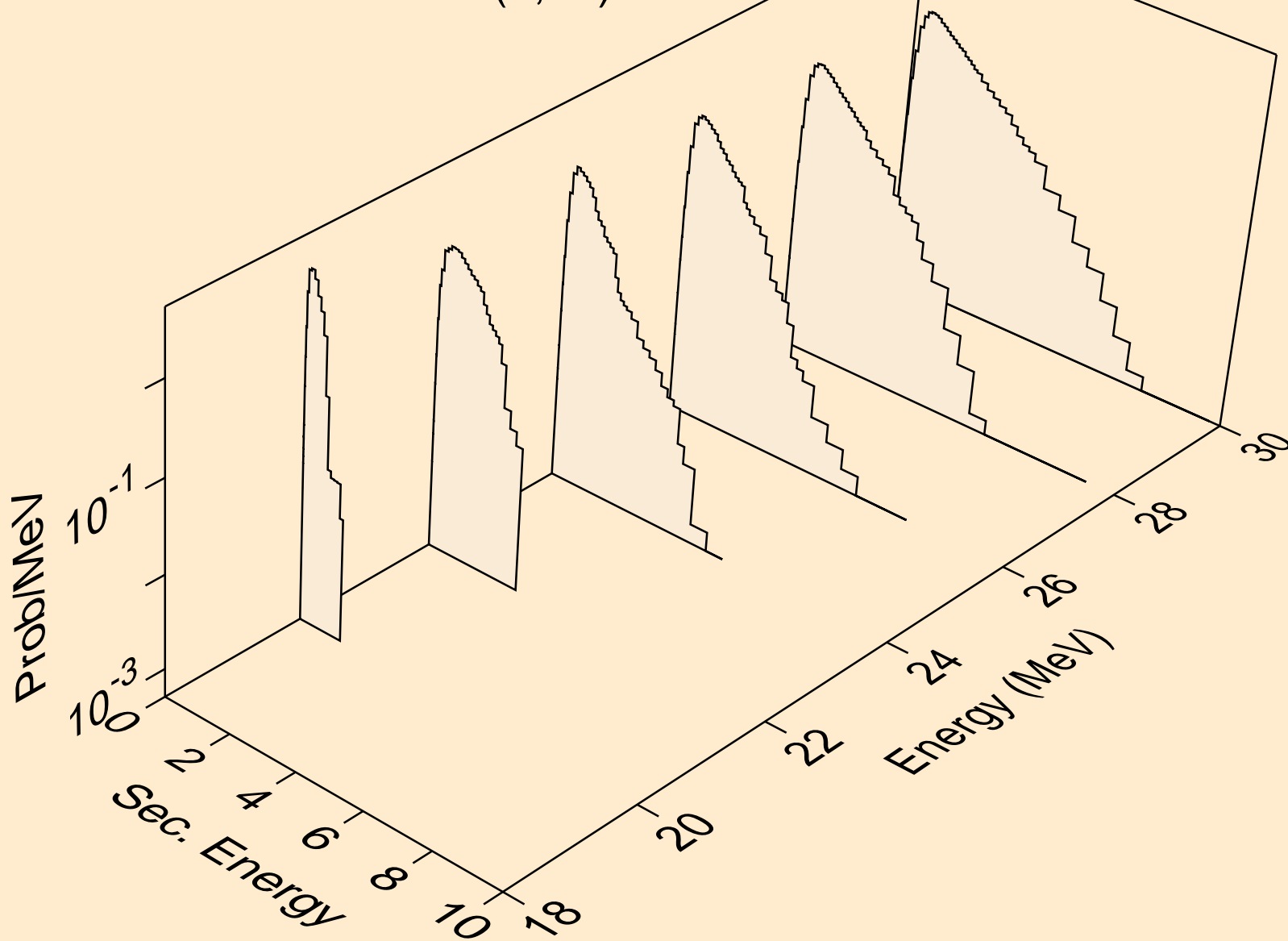
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



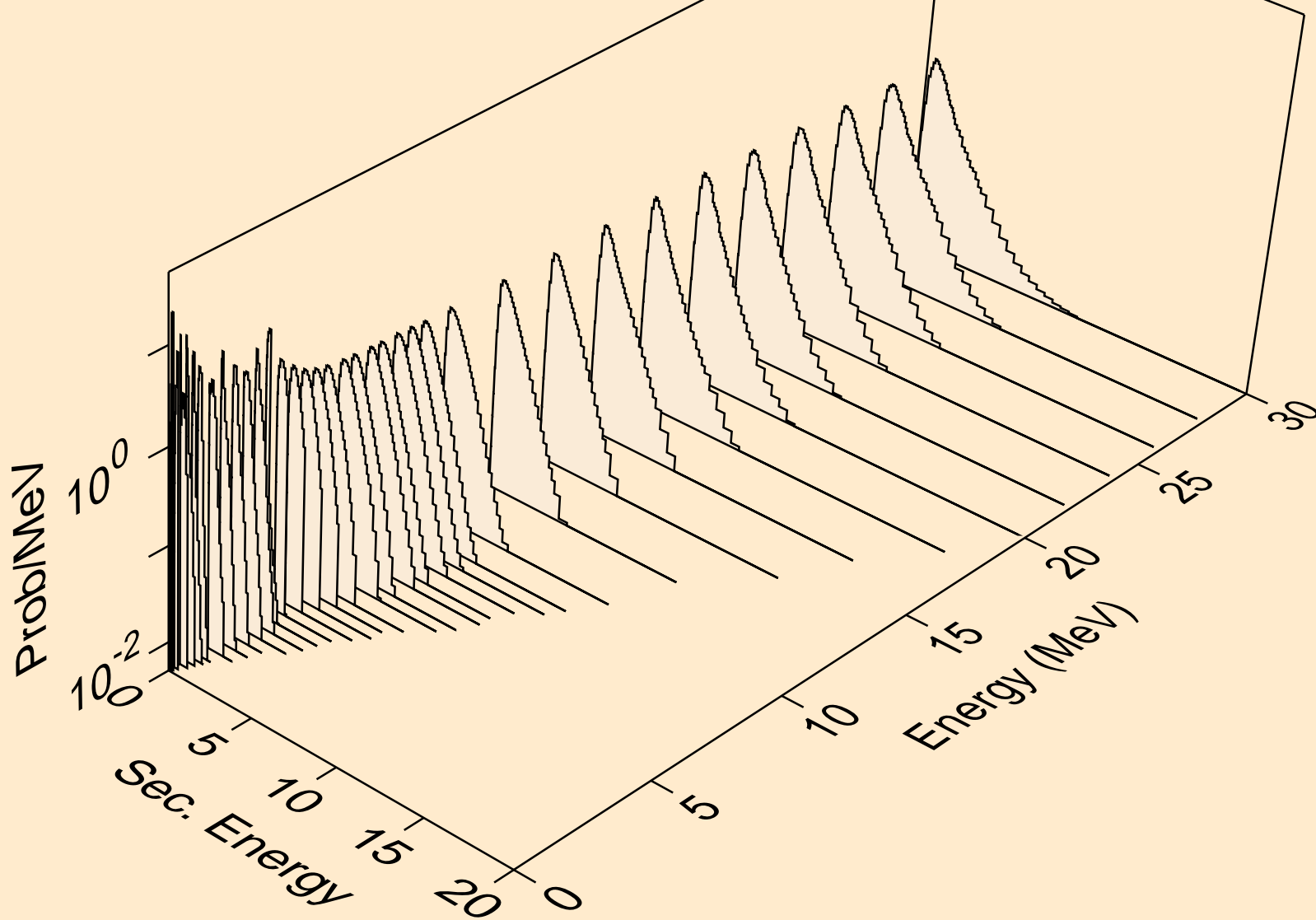
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



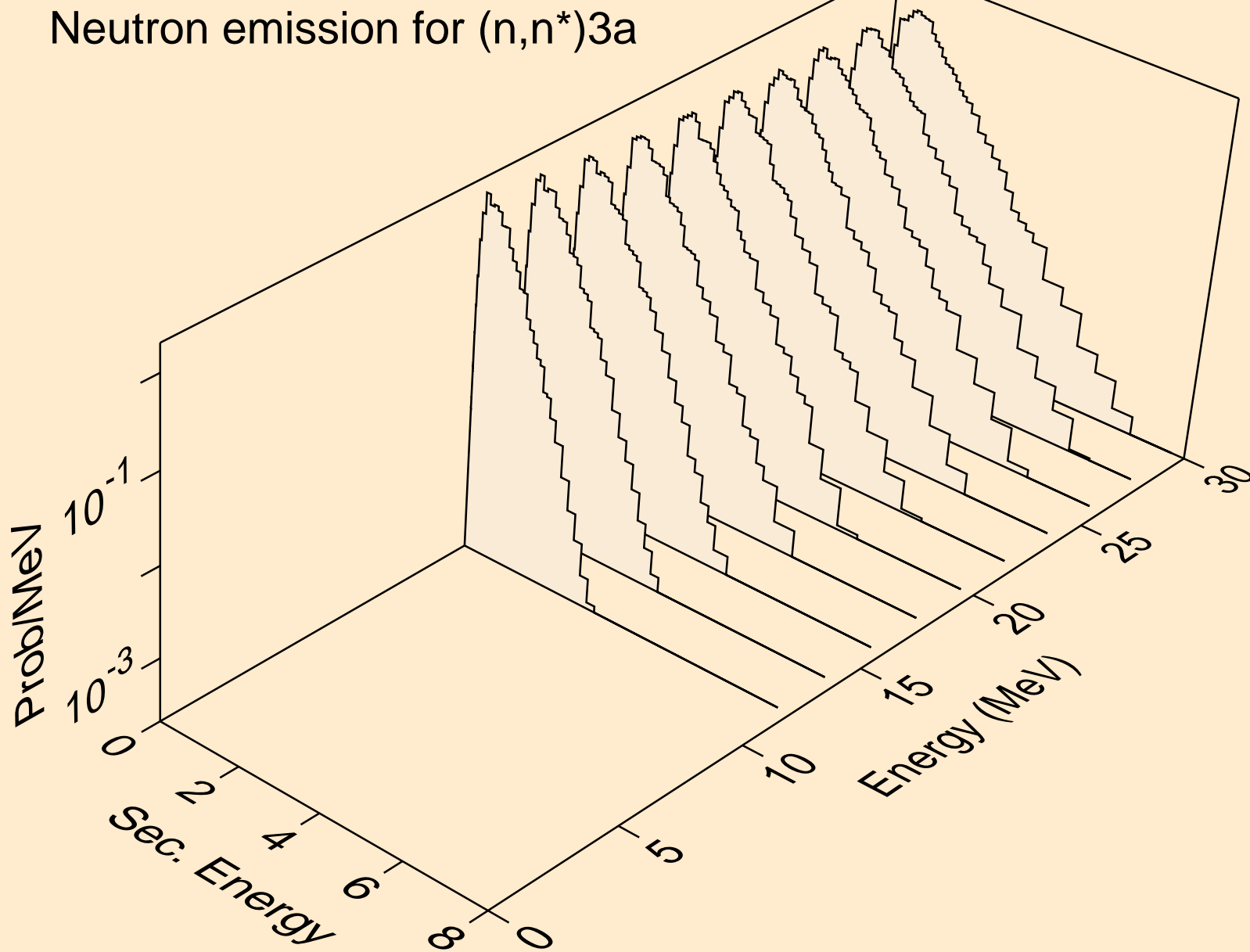
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



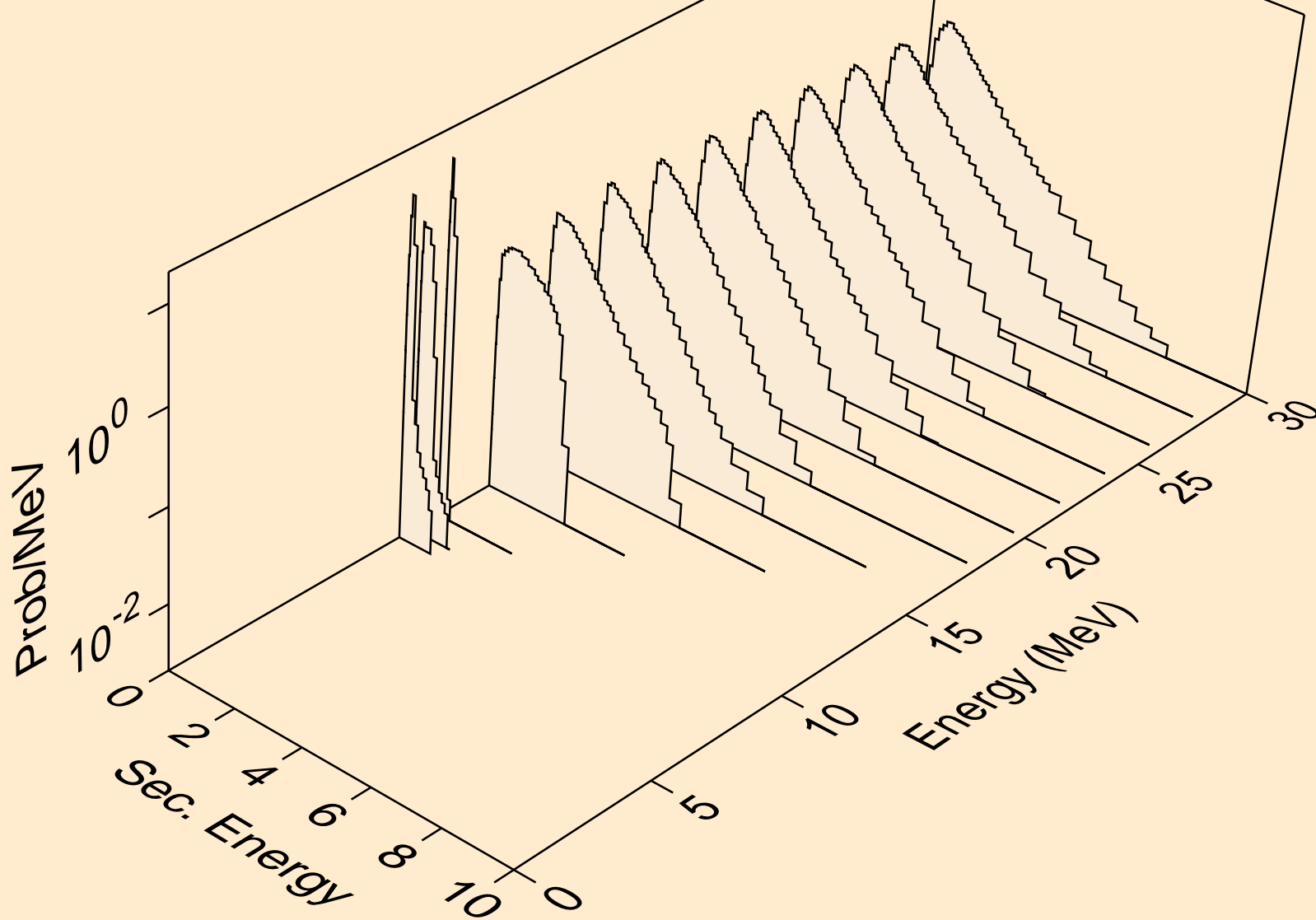
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Neutron emission for (n,n*)a



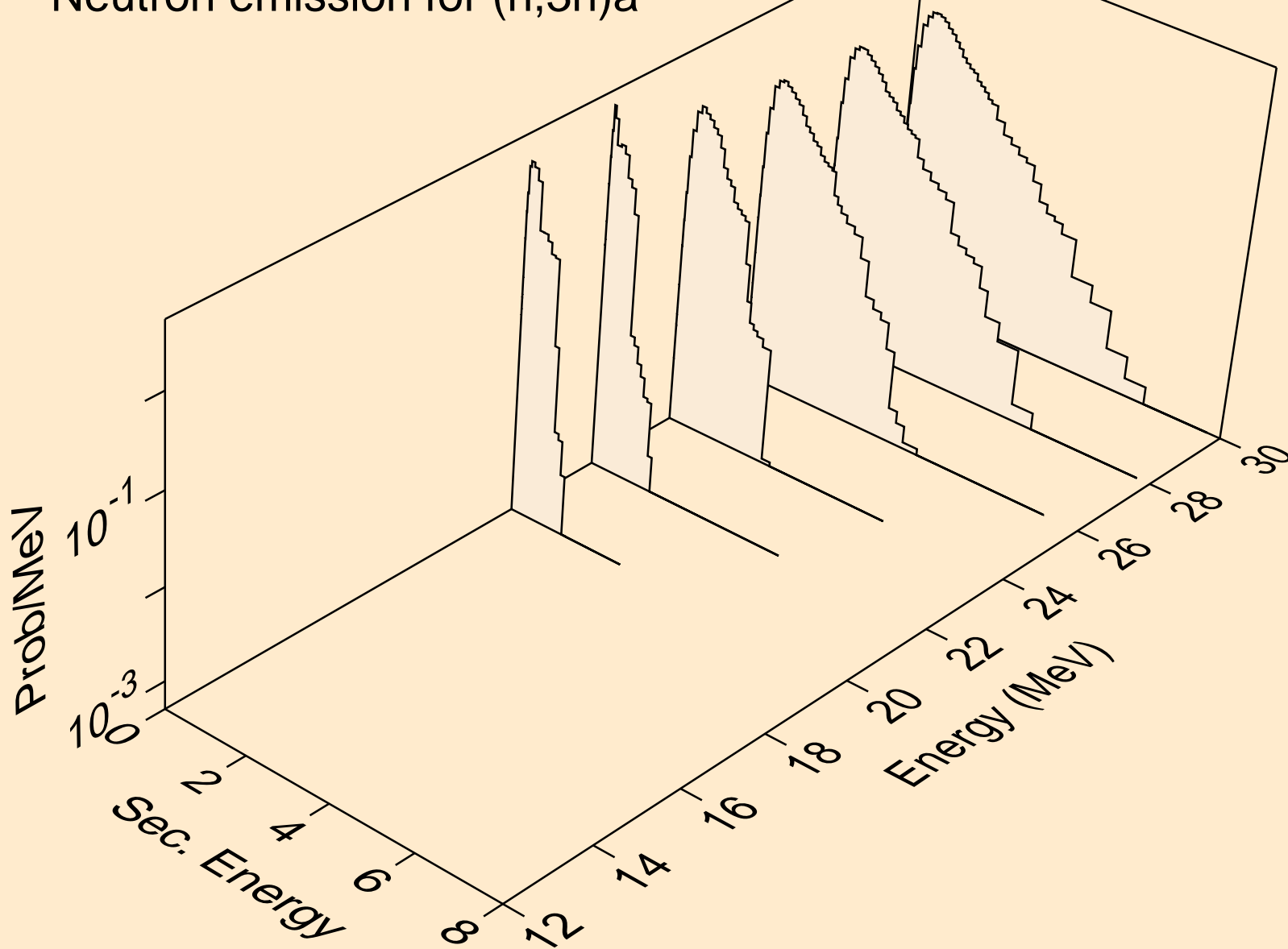
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Neutron emission for (n,n*)3a



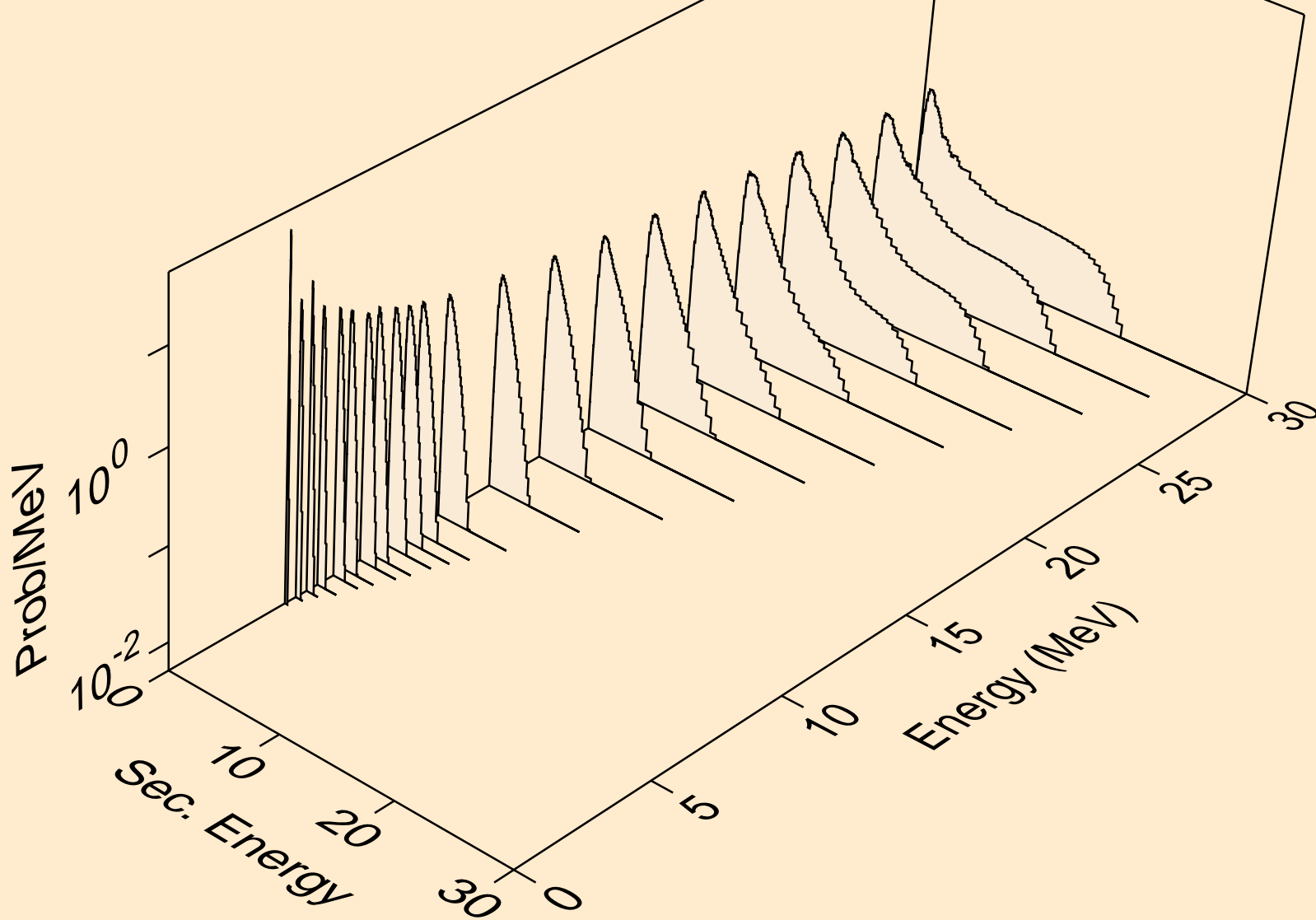
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Neutron emission for (n,2n)a



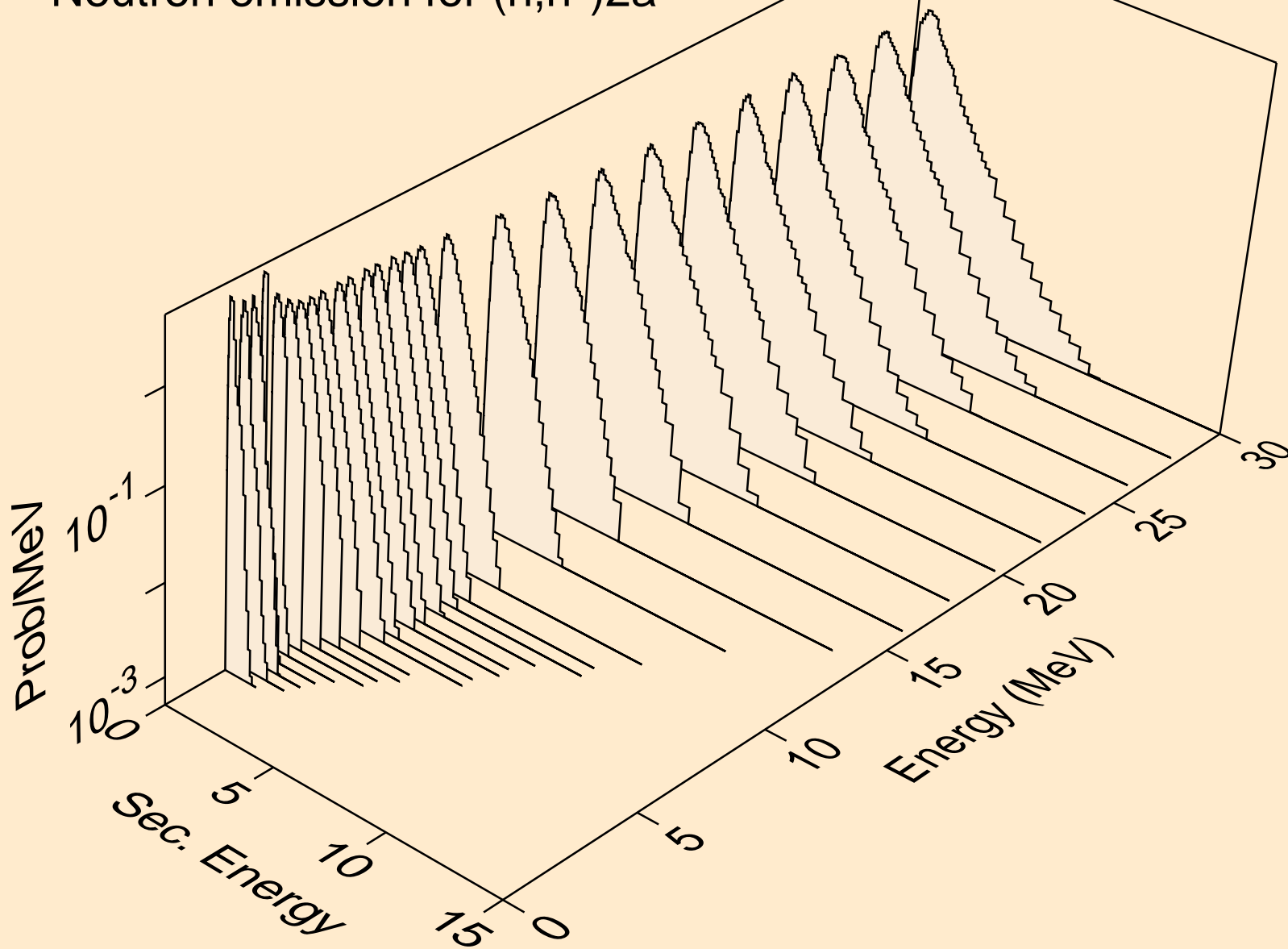
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Neutron emission for (n,3n)a



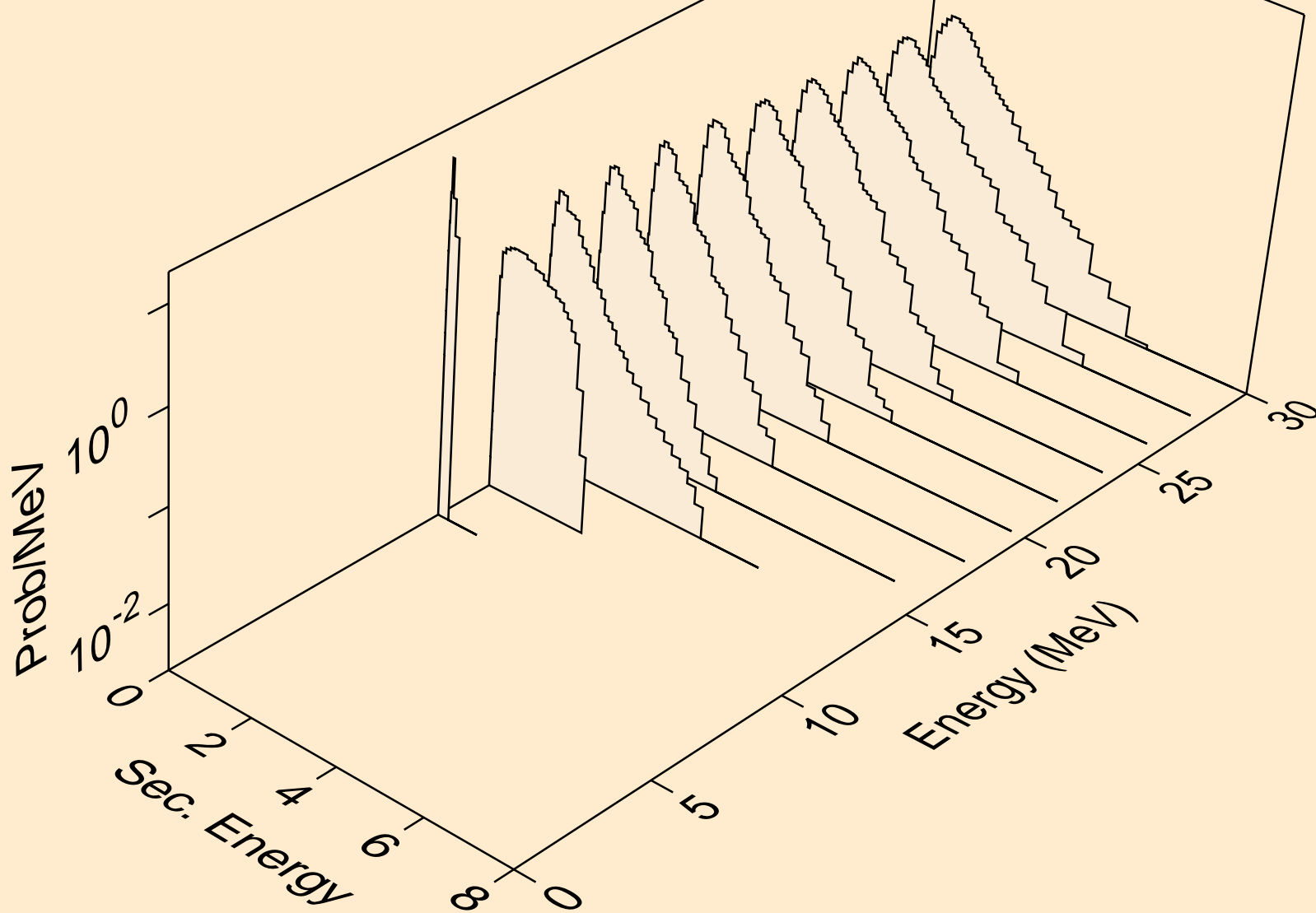
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Neutron emission for (n,n*)p



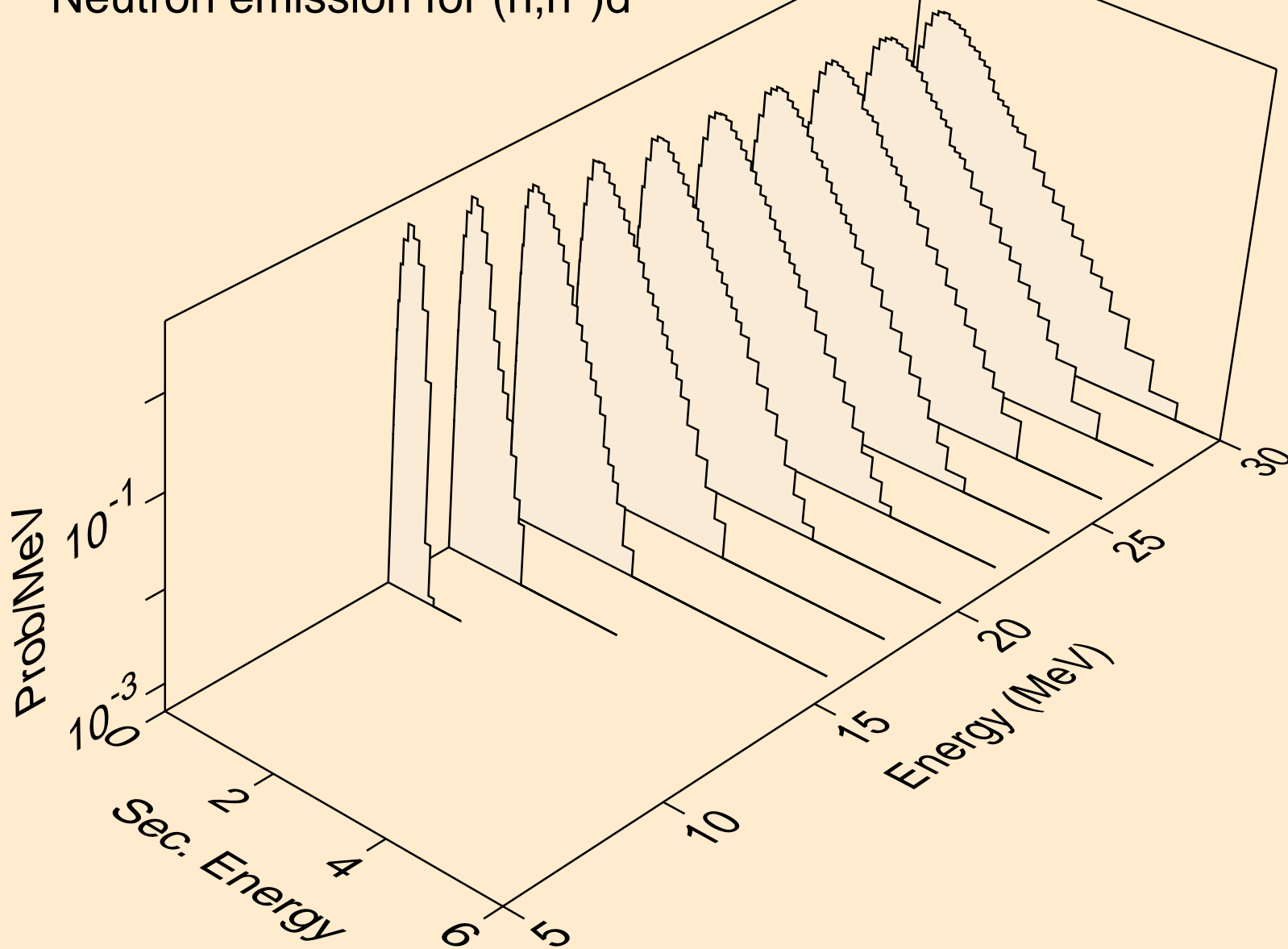
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Neutron emission for (n,n*)2a



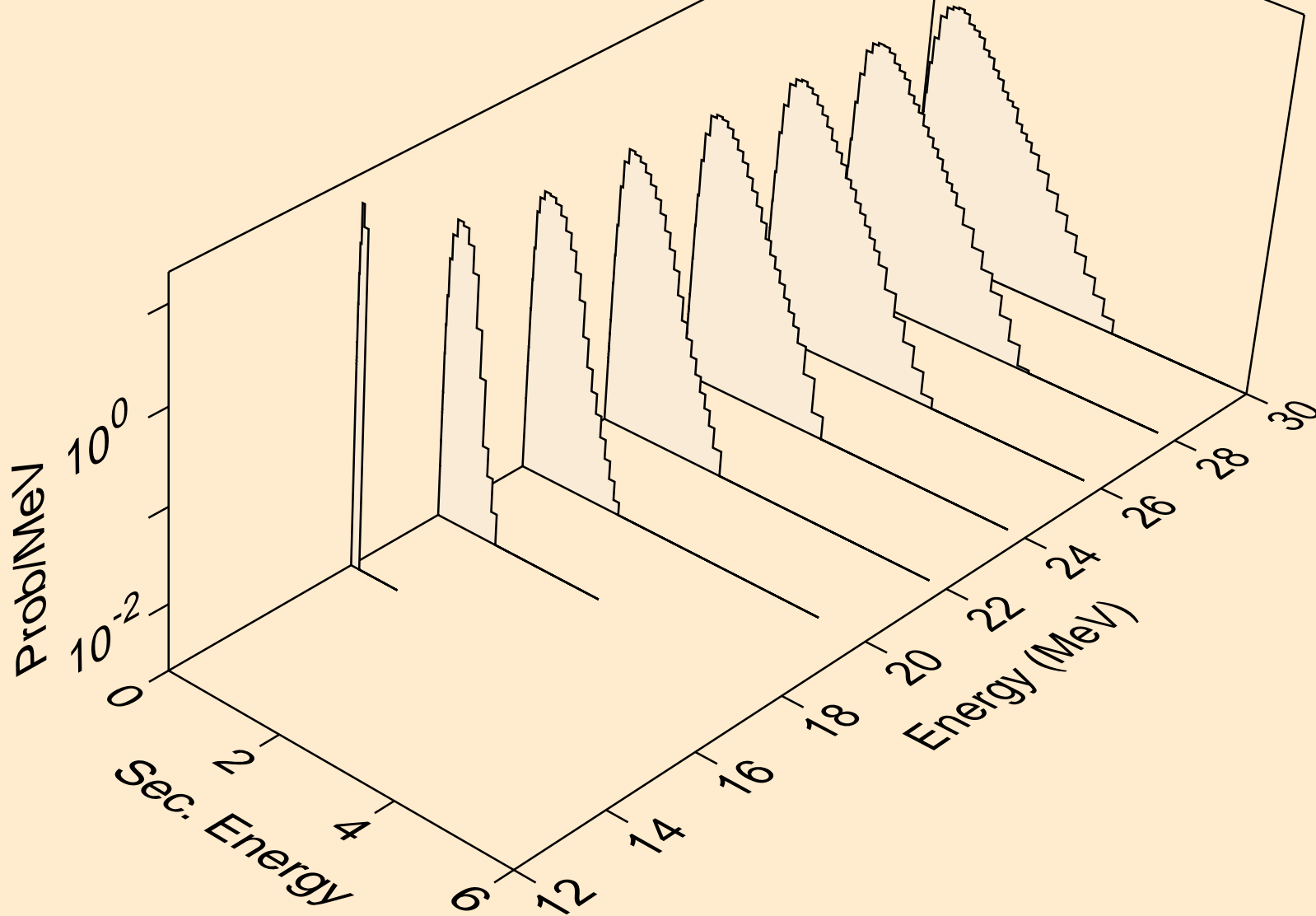
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)2a



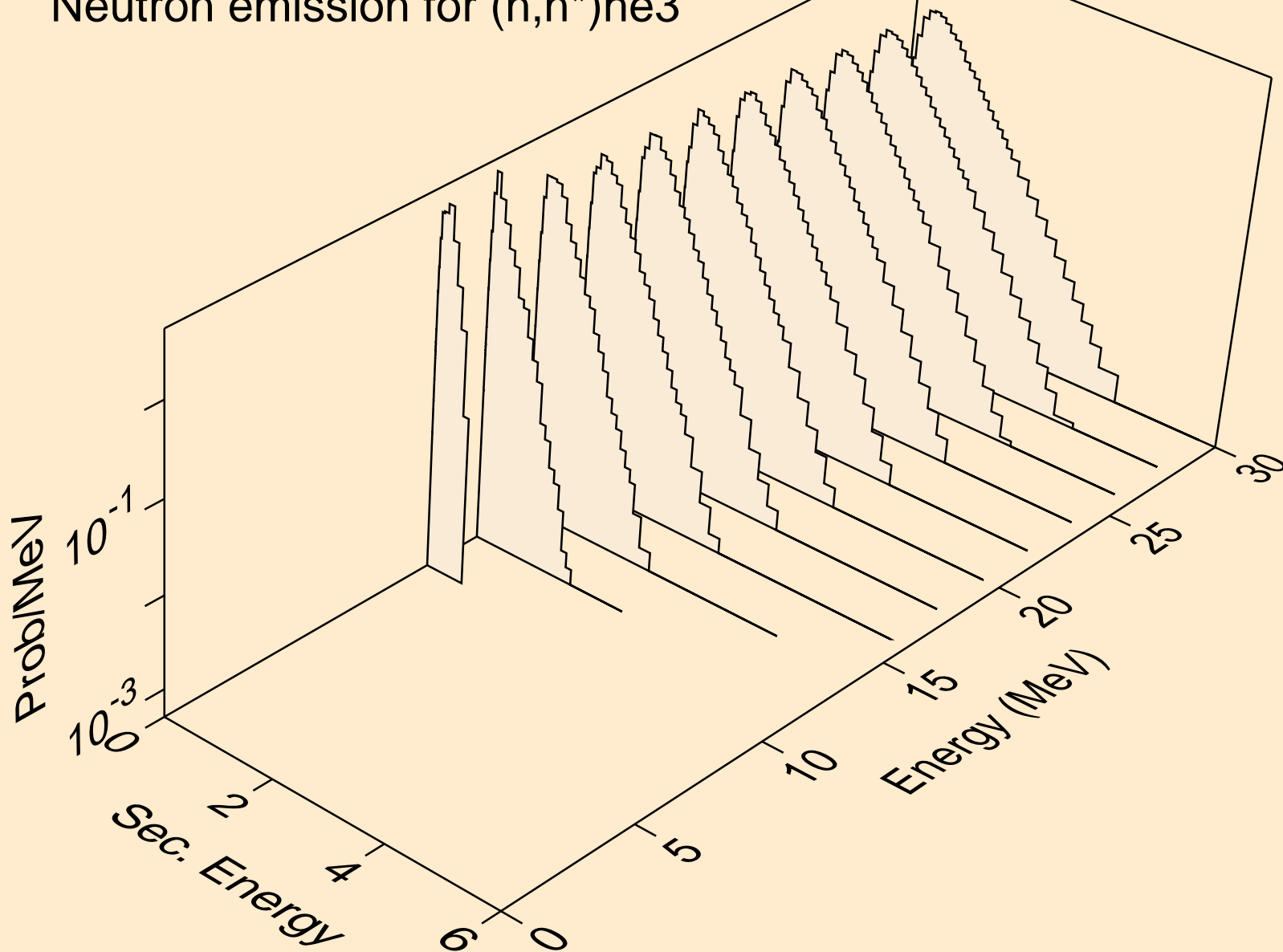
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



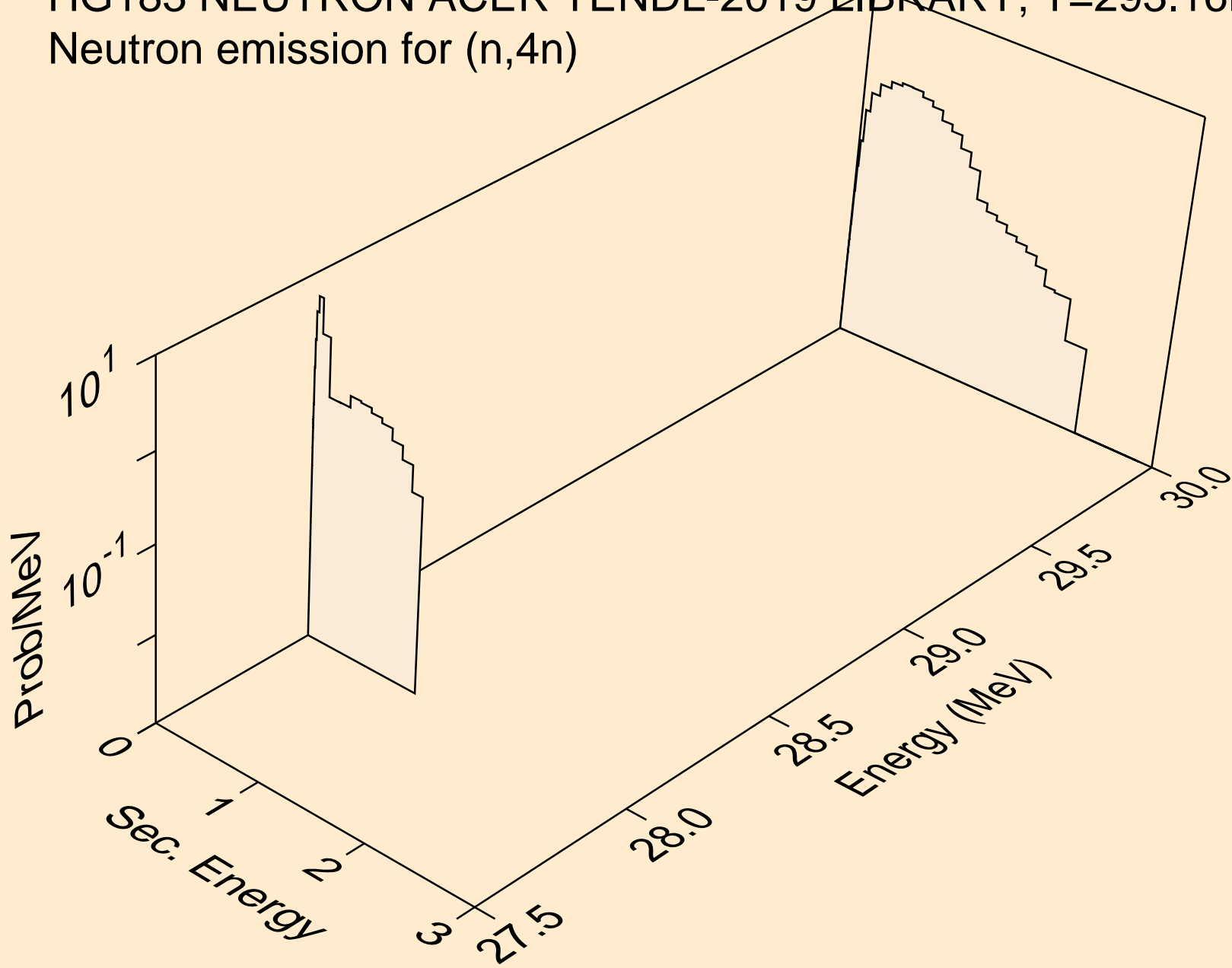
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



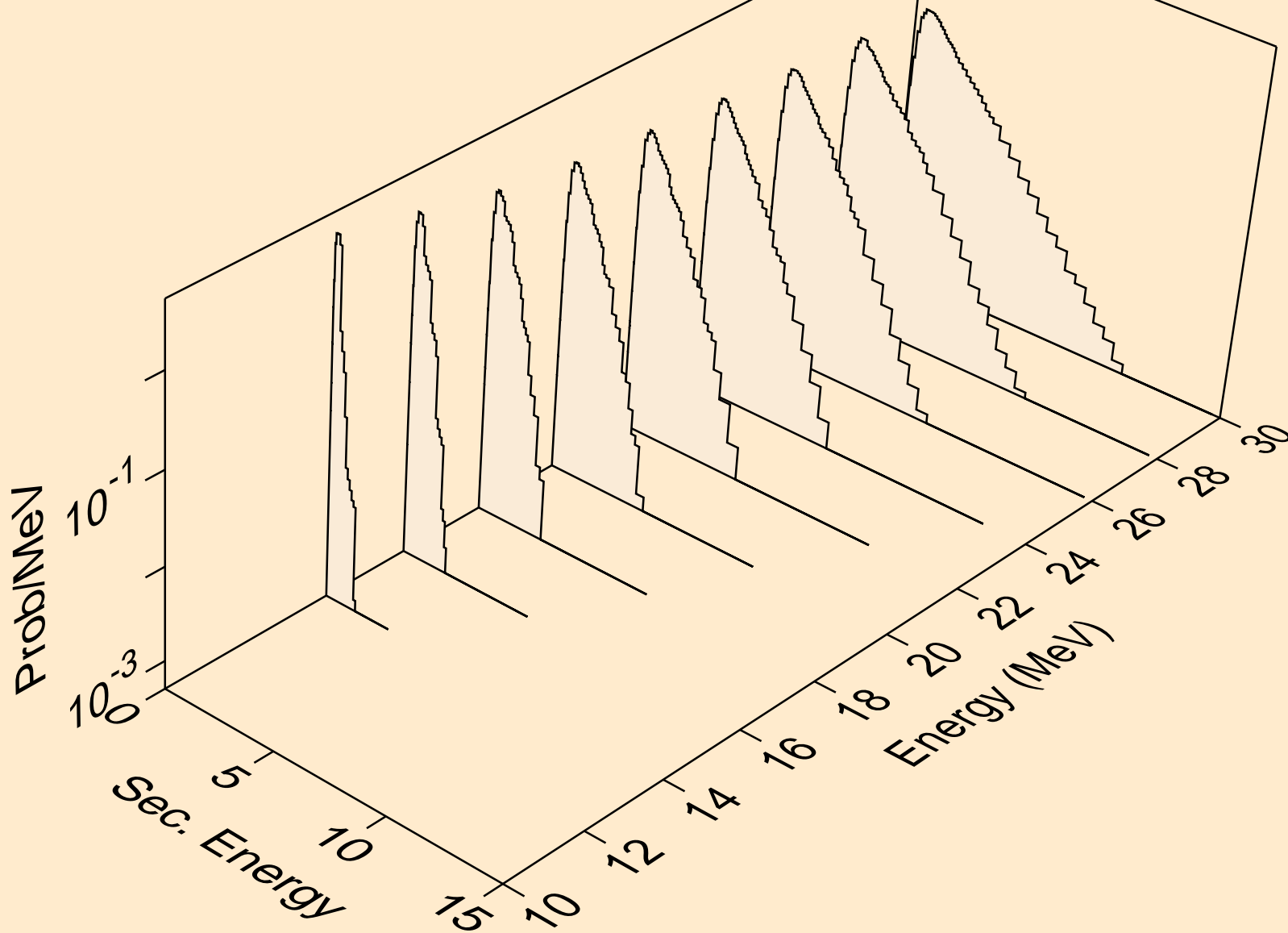
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Neutron emission for (n,n*)he3



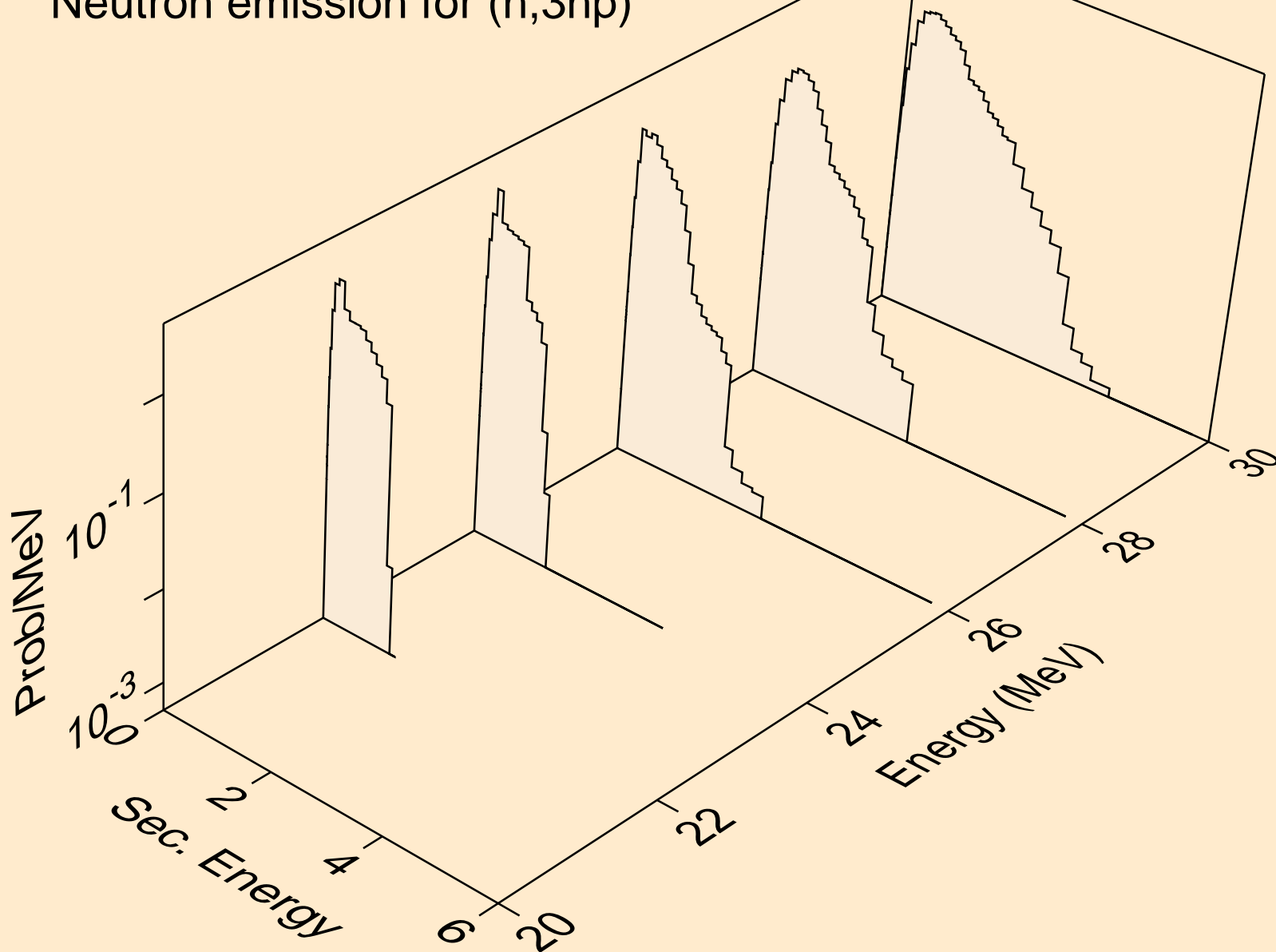
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Neutron emission for (n,4n)



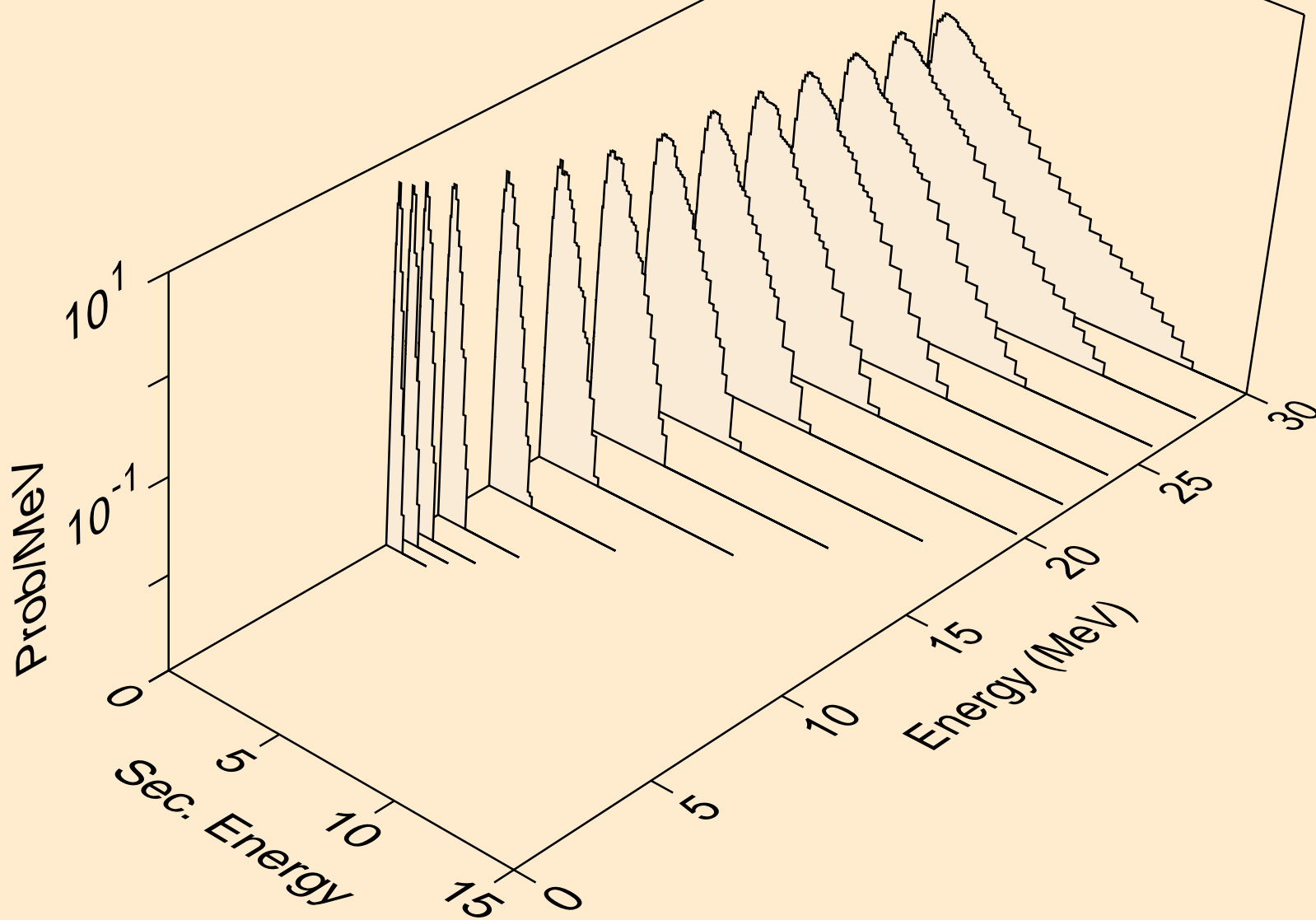
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Neutron emission for (n,2np)



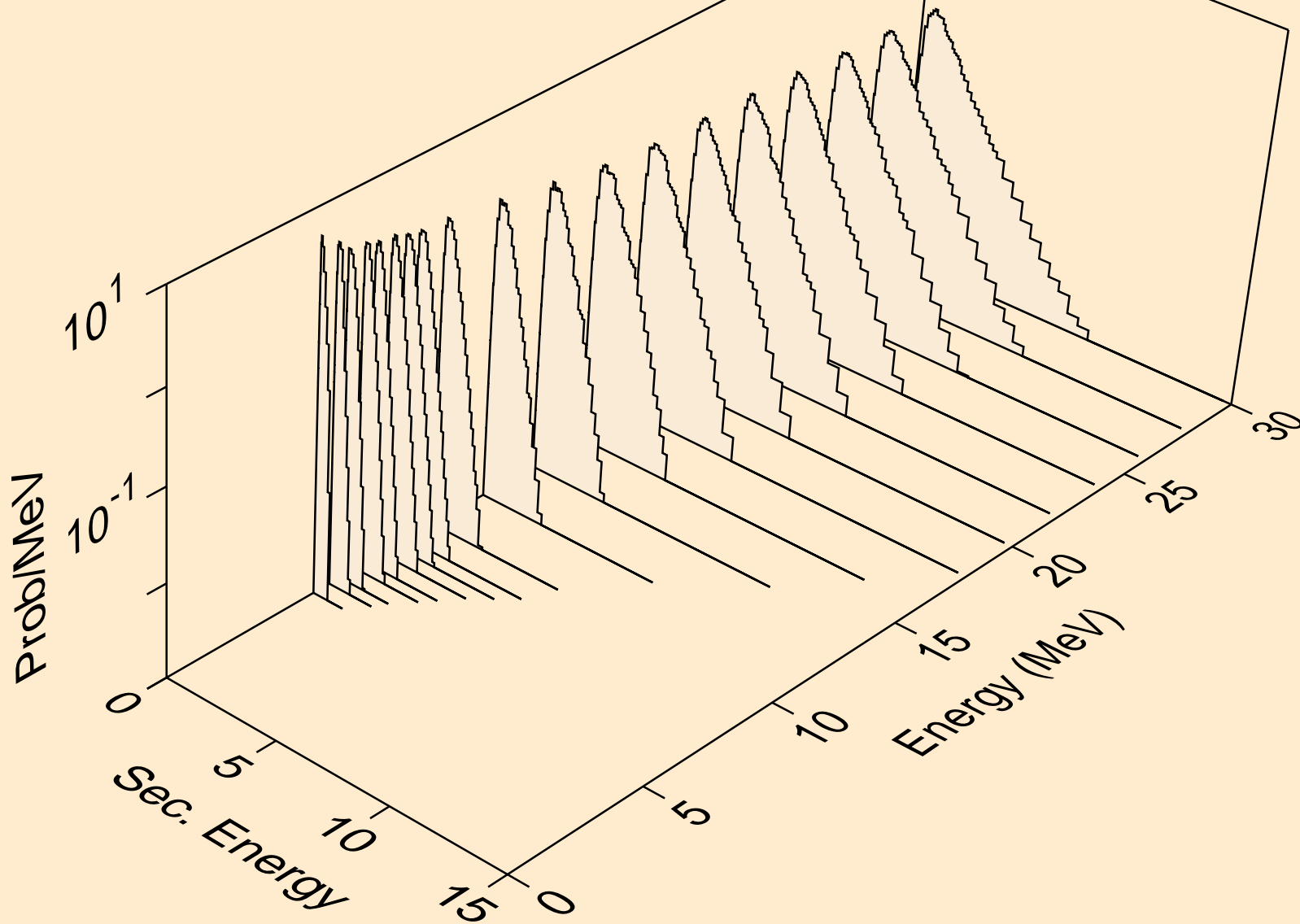
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Neutron emission for (n,3np)



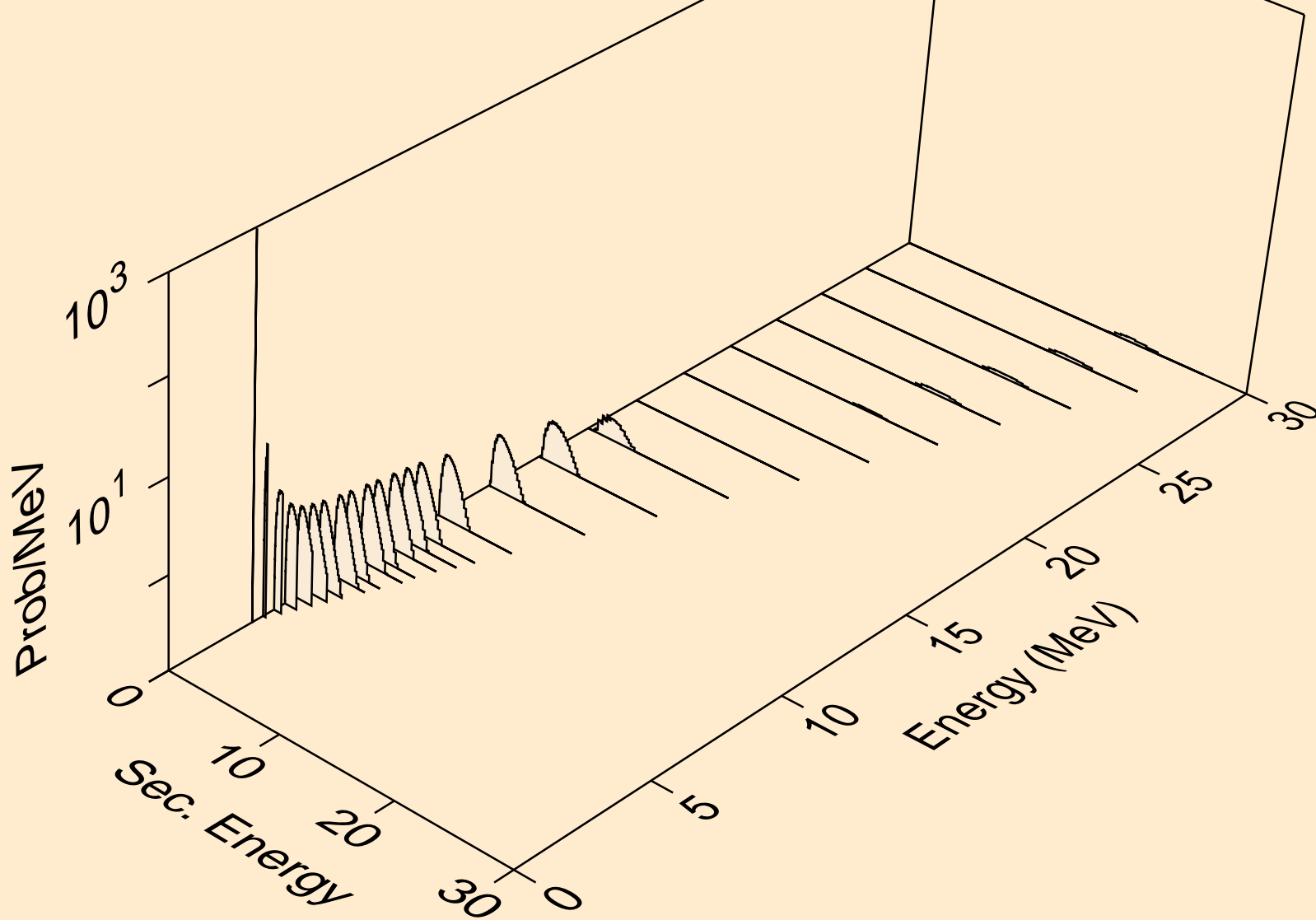
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Neutron emission for (n,2np)



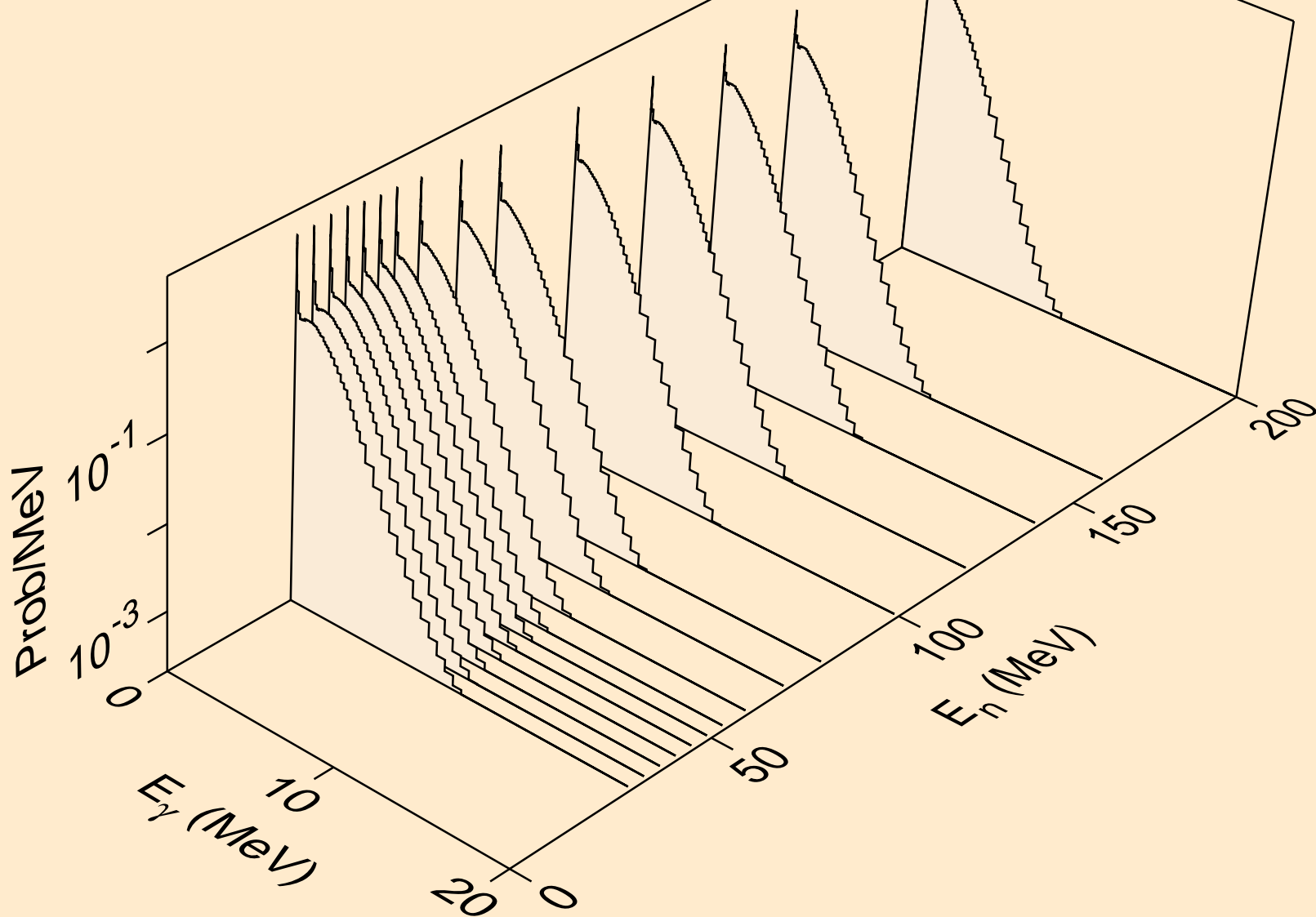
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



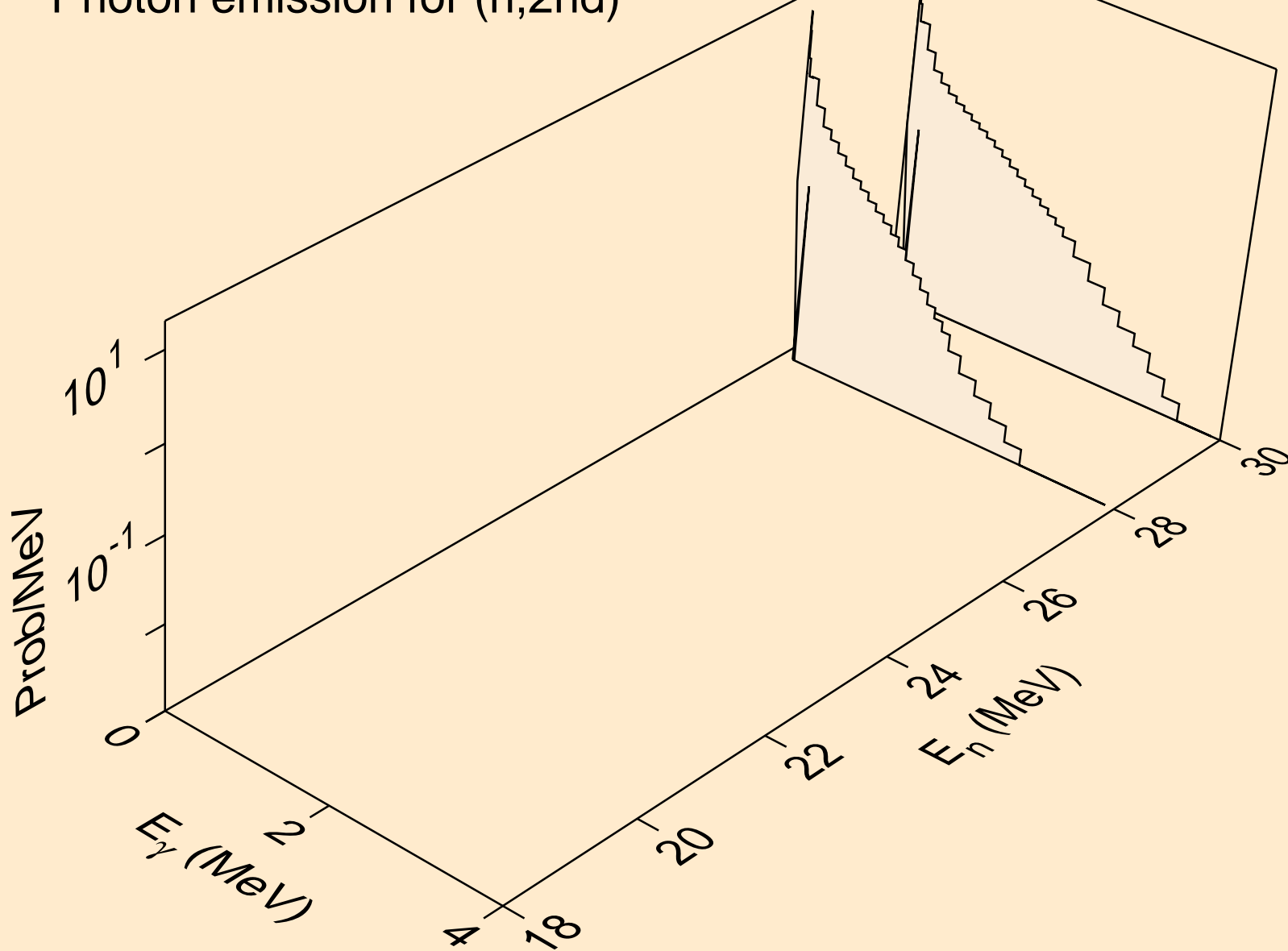
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



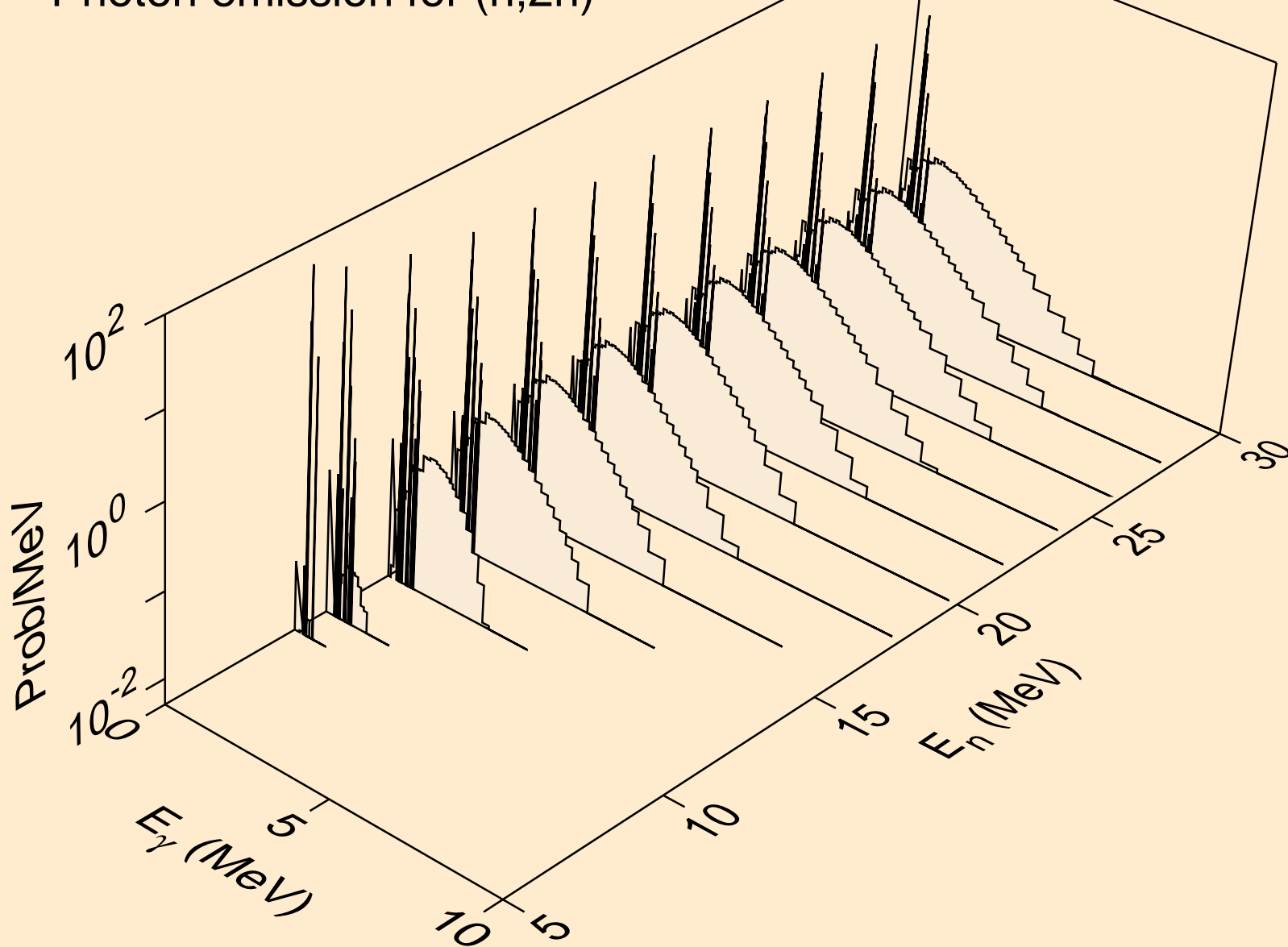
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



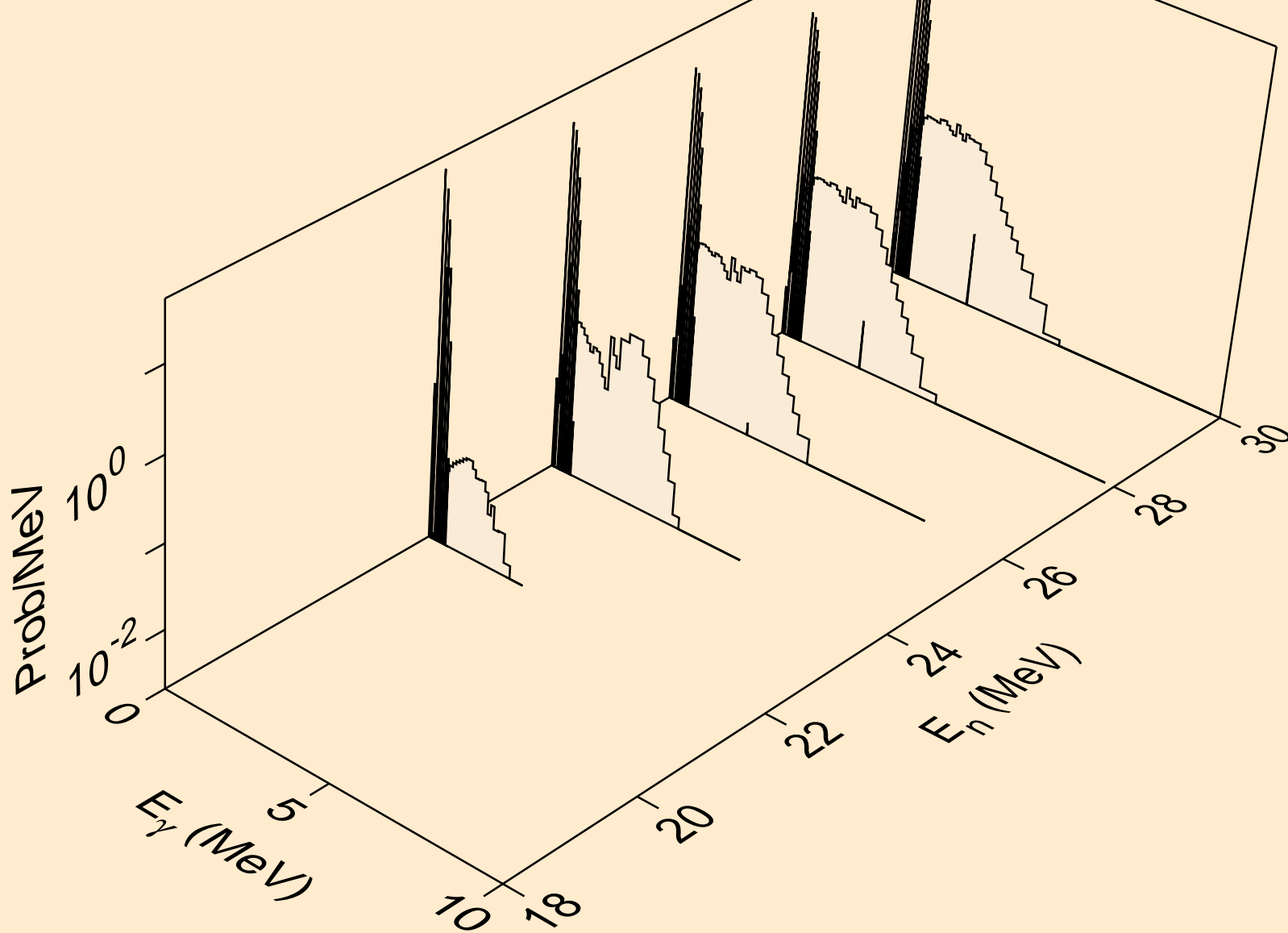
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



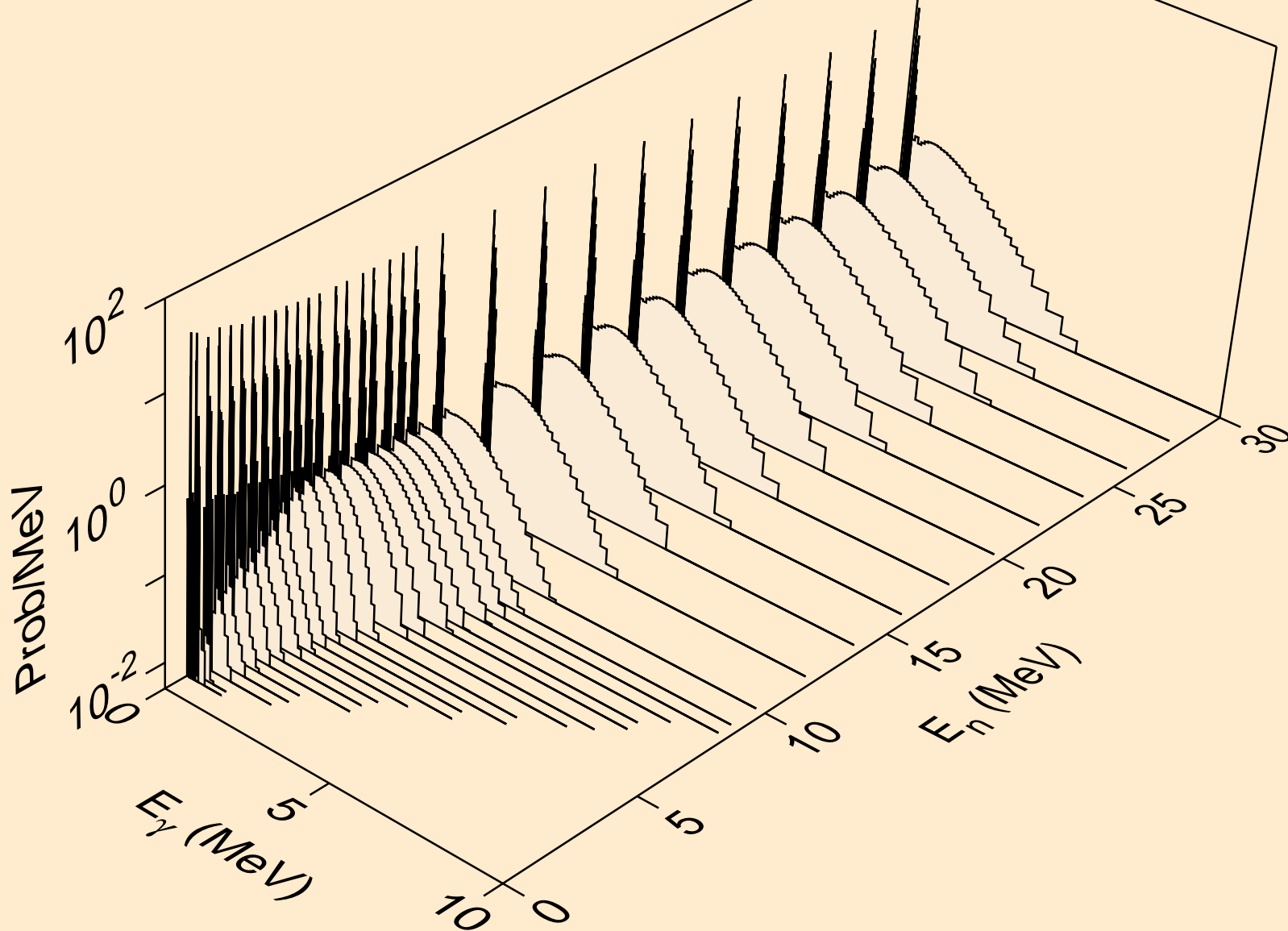
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Photon emission for (n,2n)



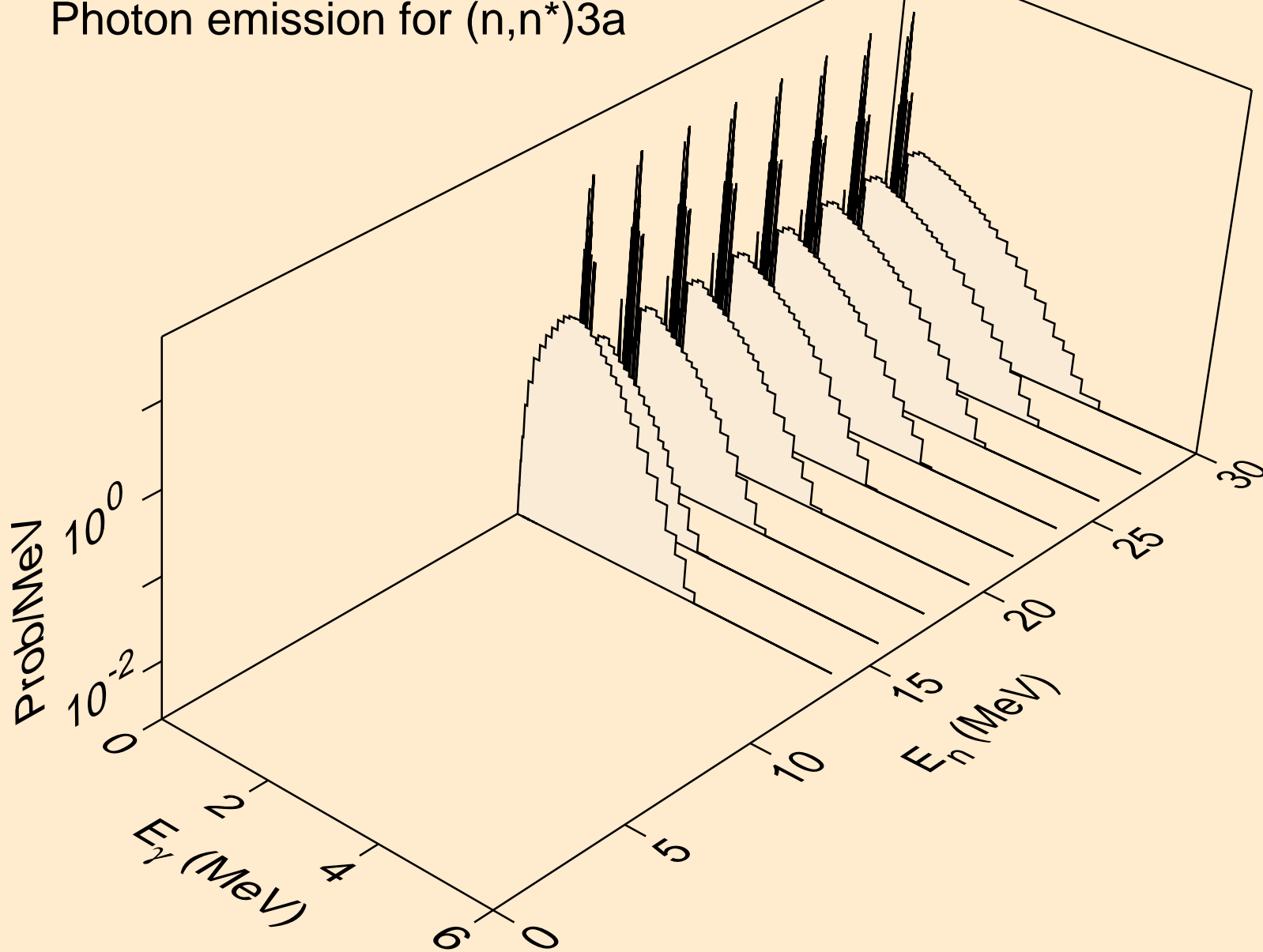
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Photon emission for (n,3n)



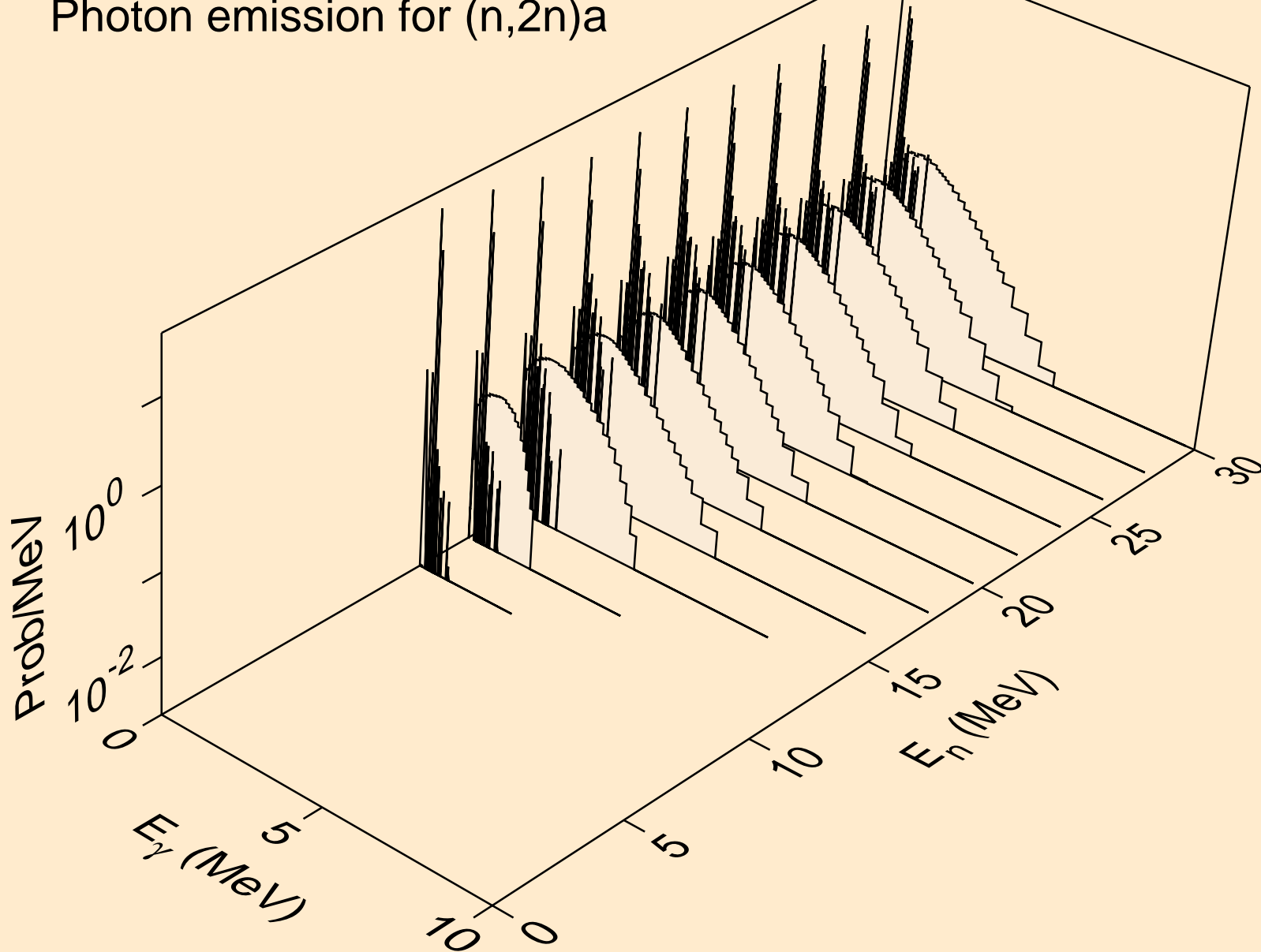
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Photon emission for (n,n*)a



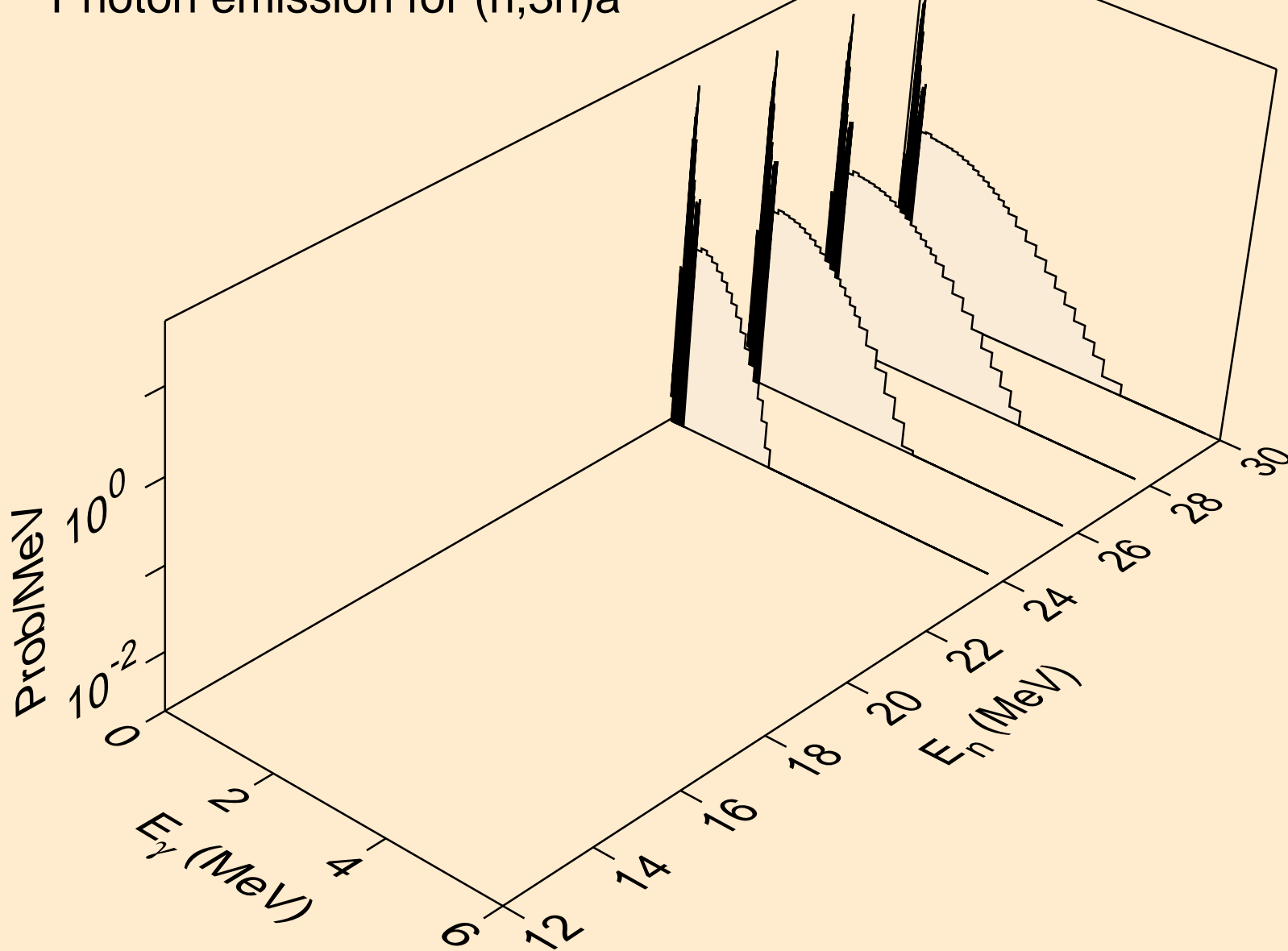
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Photon emission for (n,n*)3a



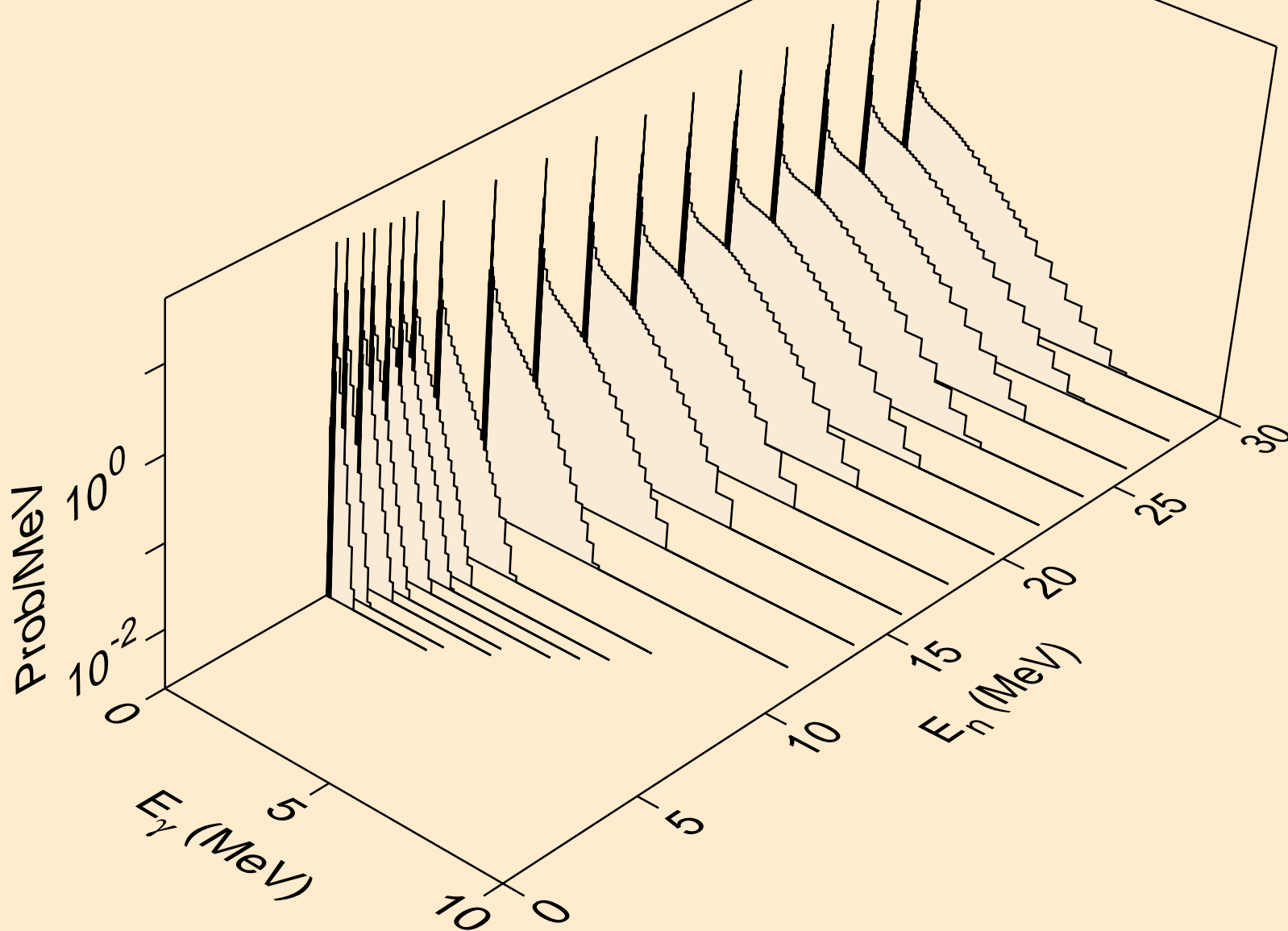
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Photon emission for (n,2n)a



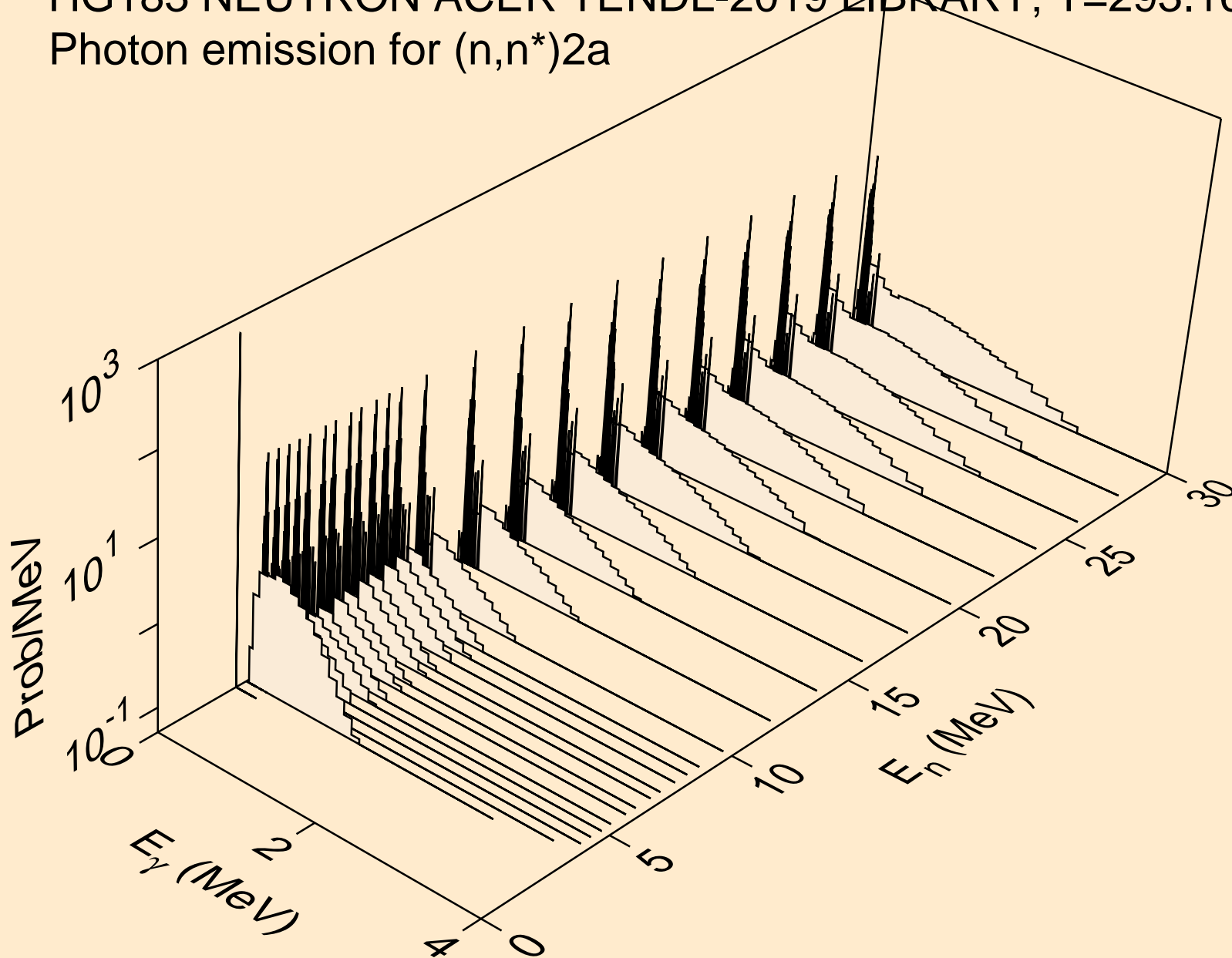
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



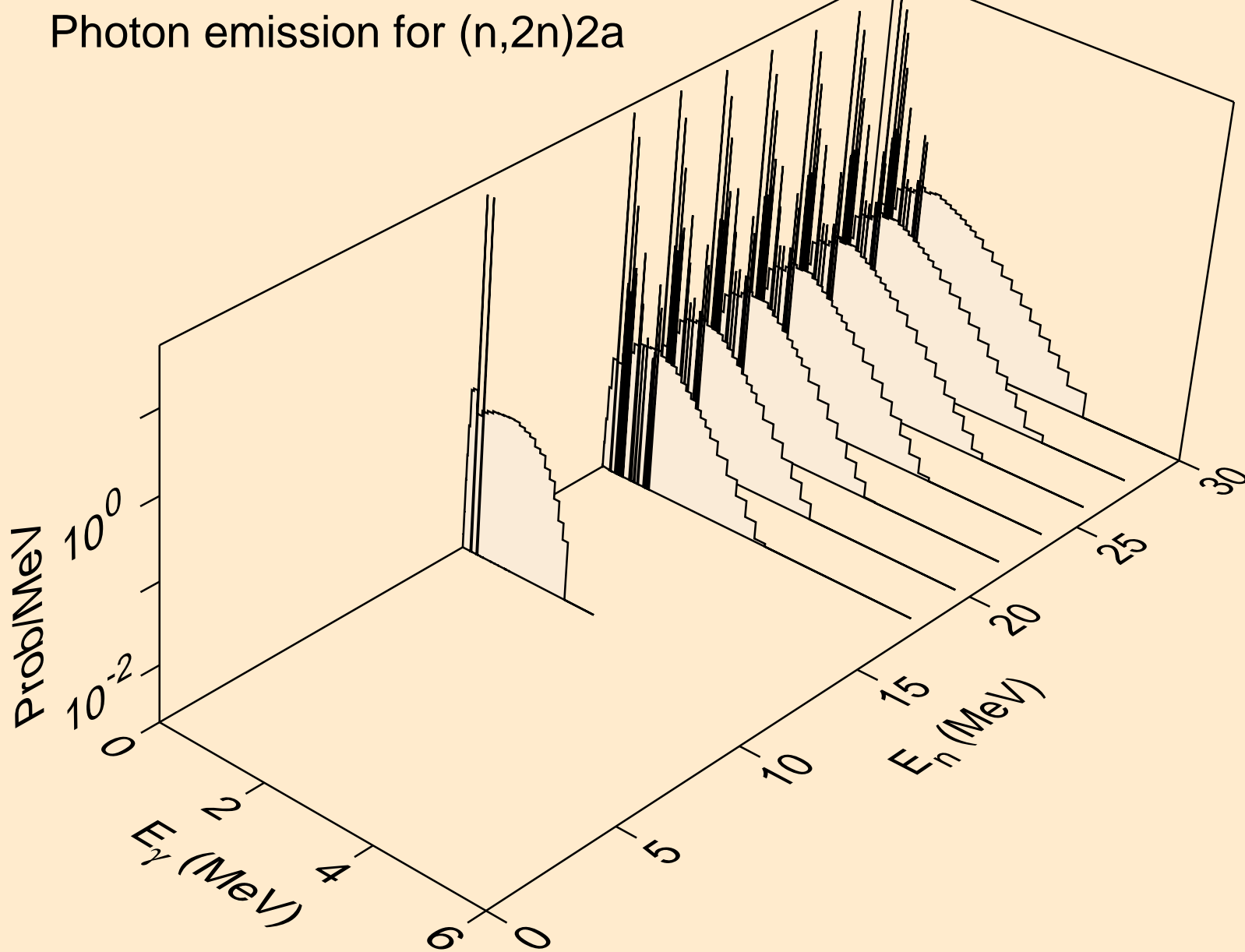
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



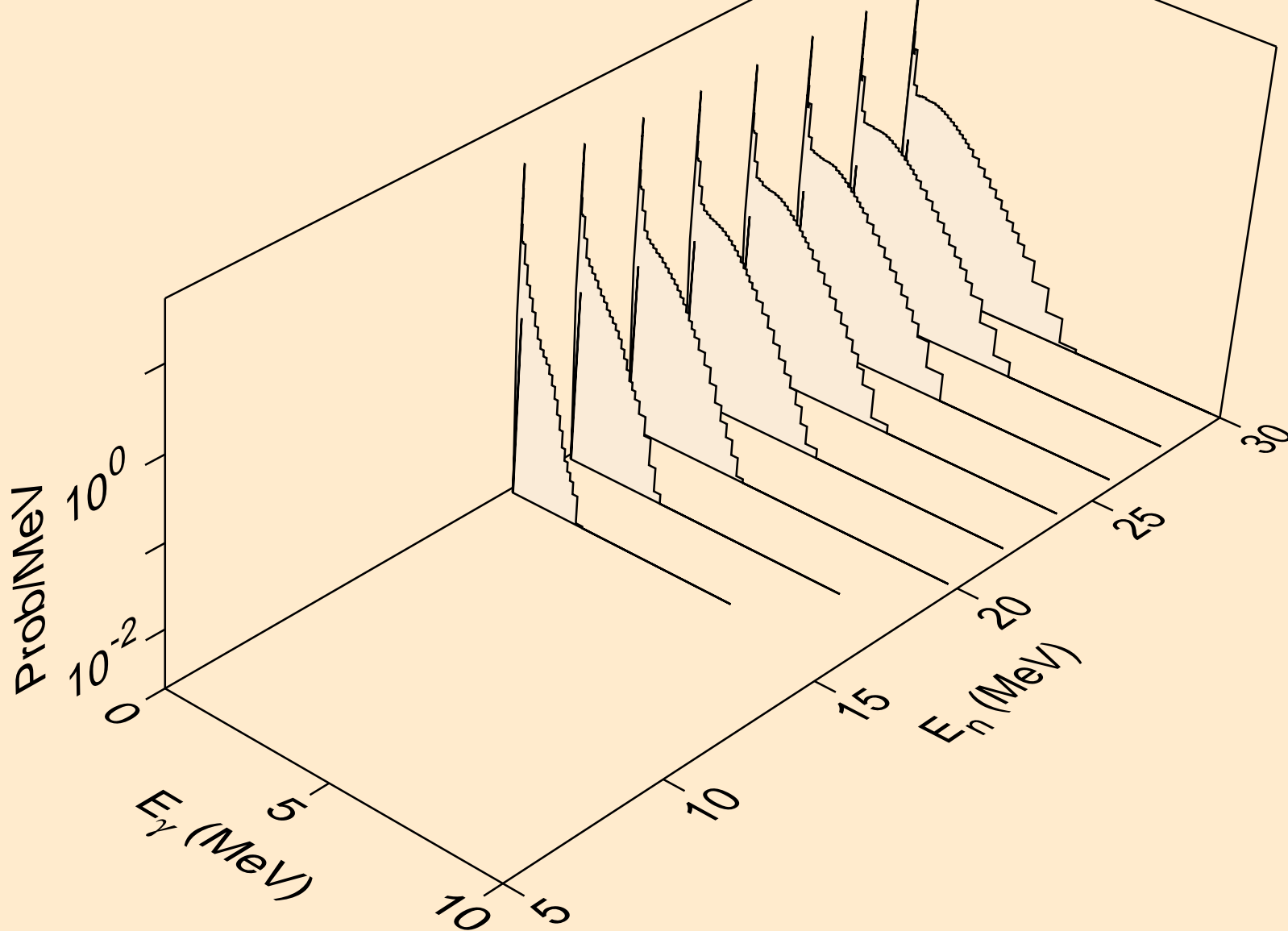
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Photon emission for (n,n*)2a



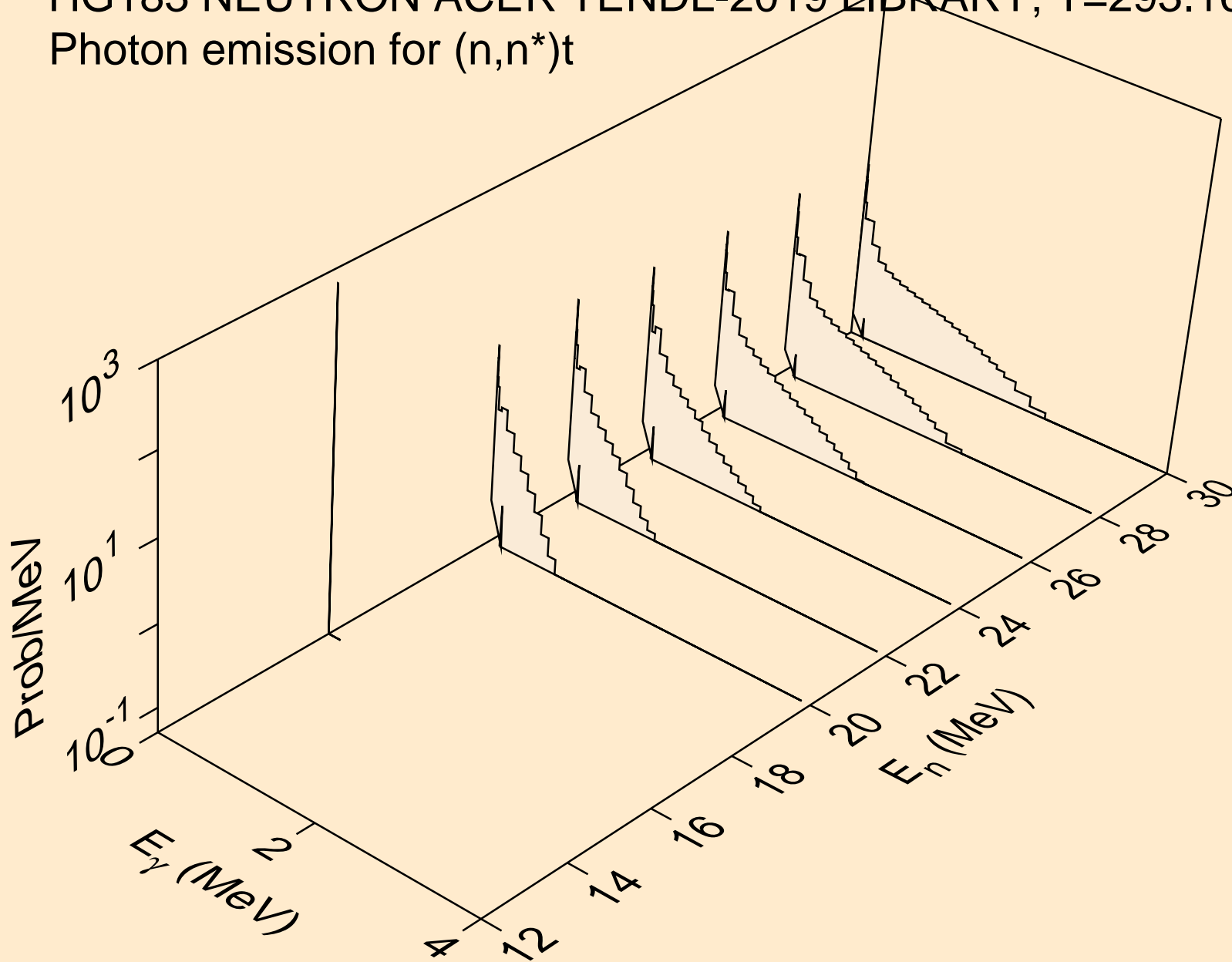
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Photon emission for (n,2n)2a



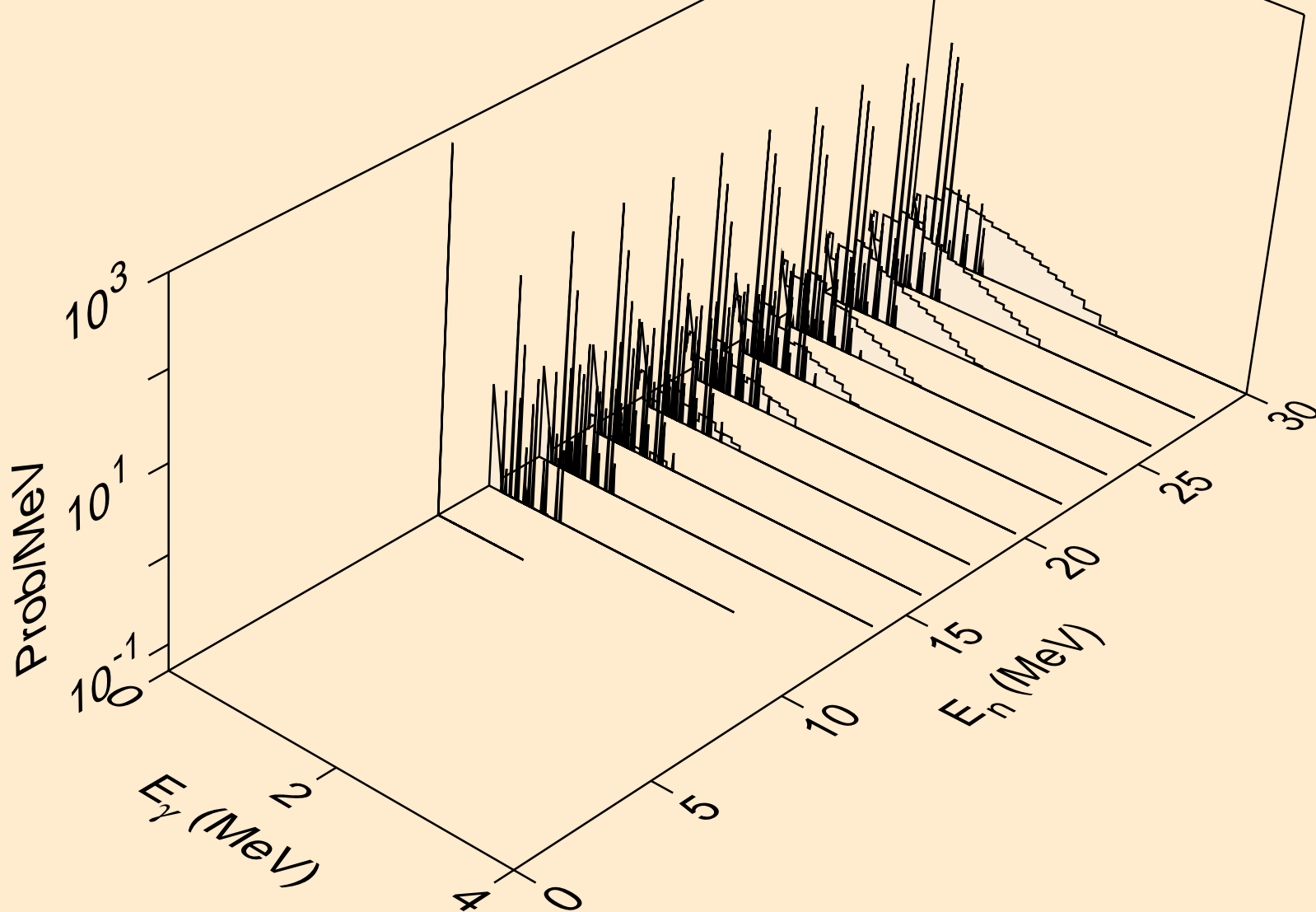
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



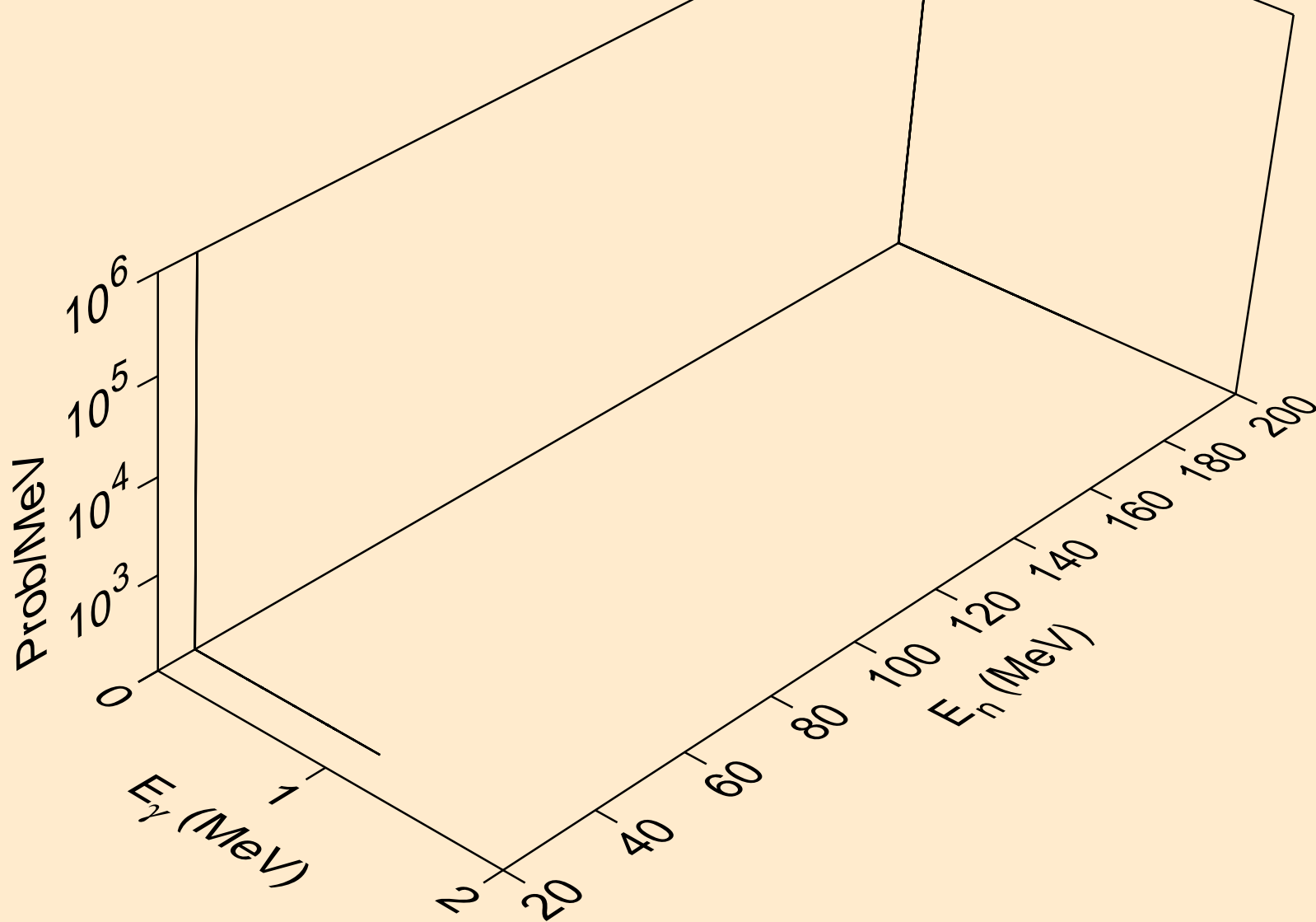
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



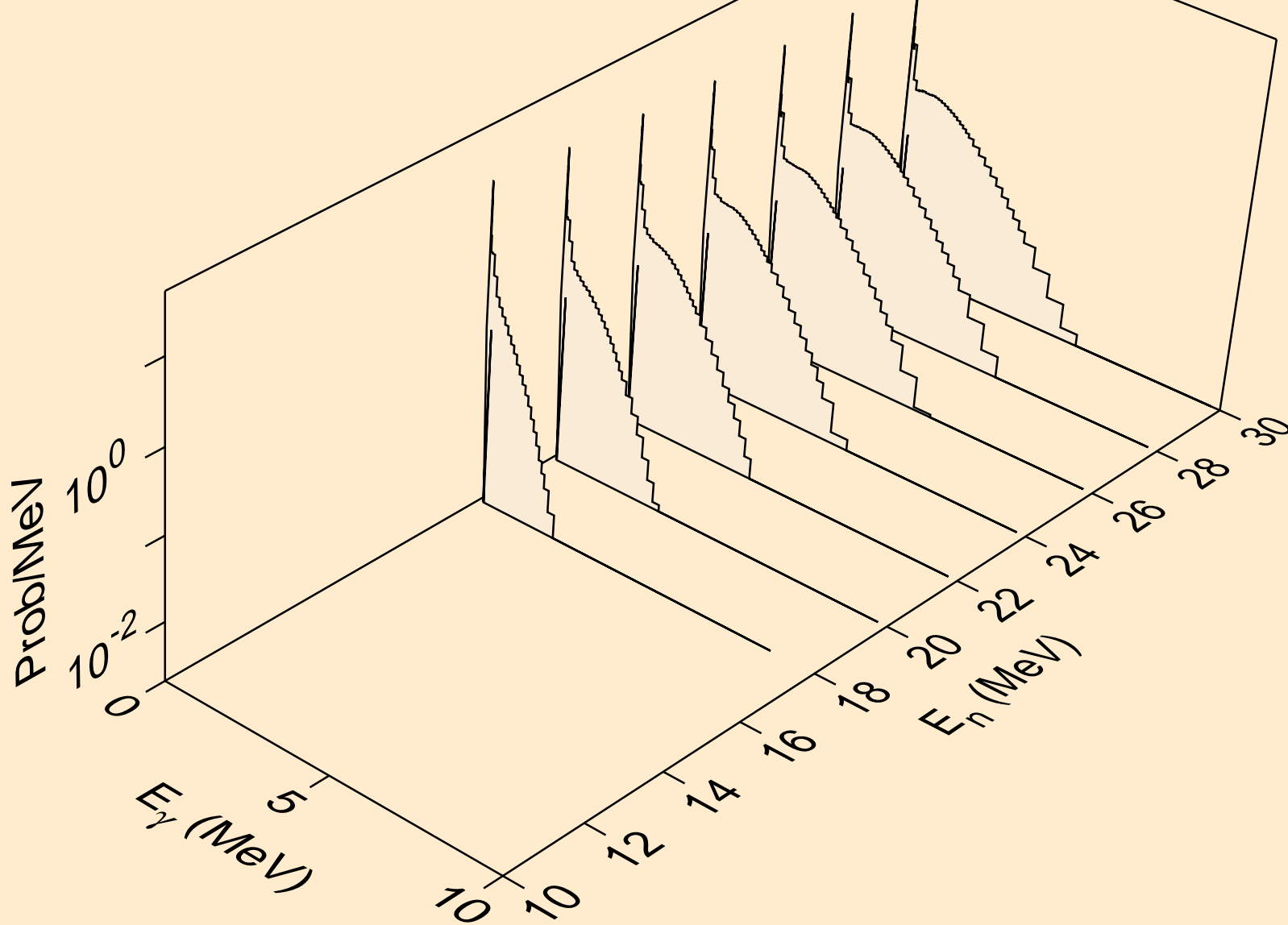
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



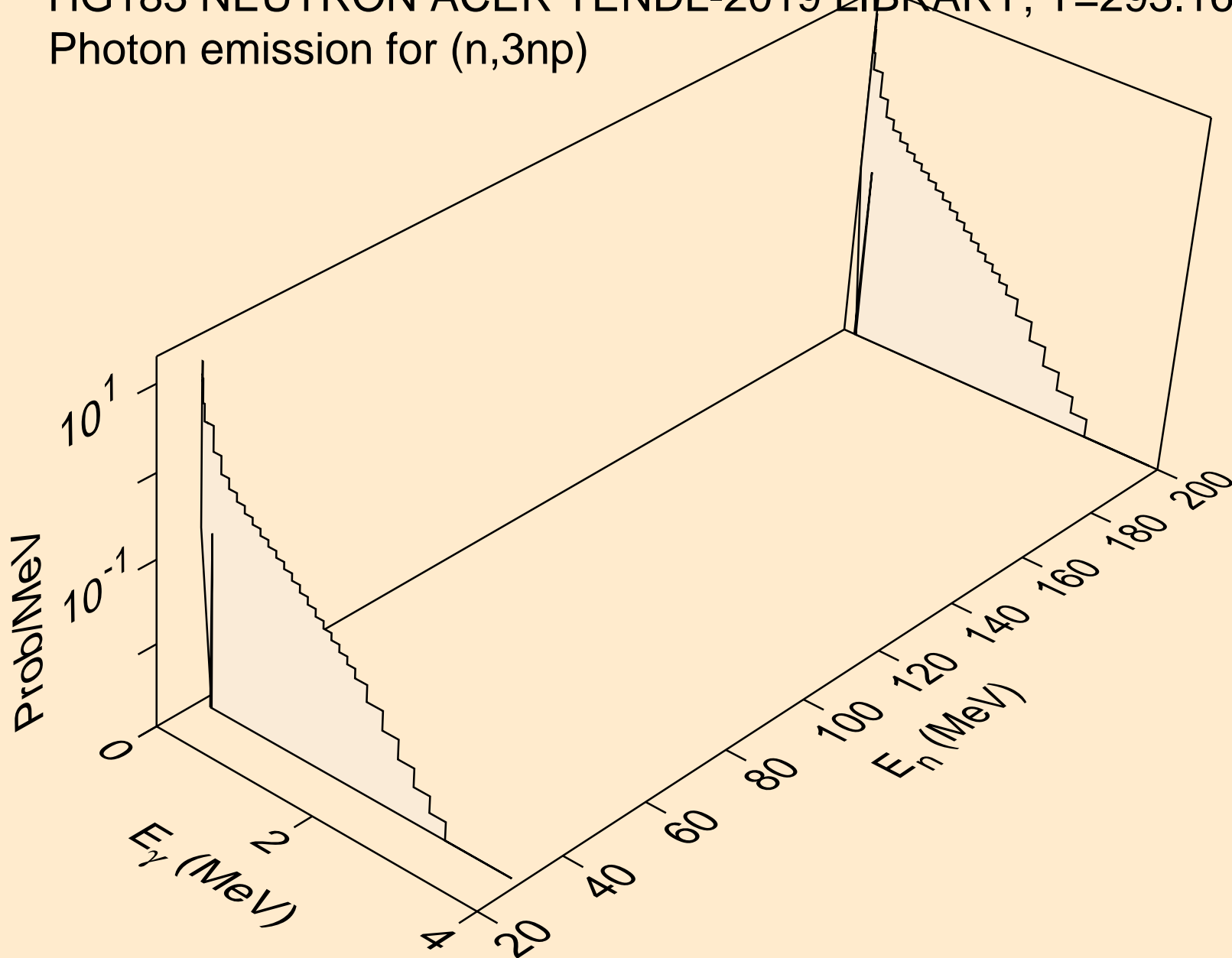
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



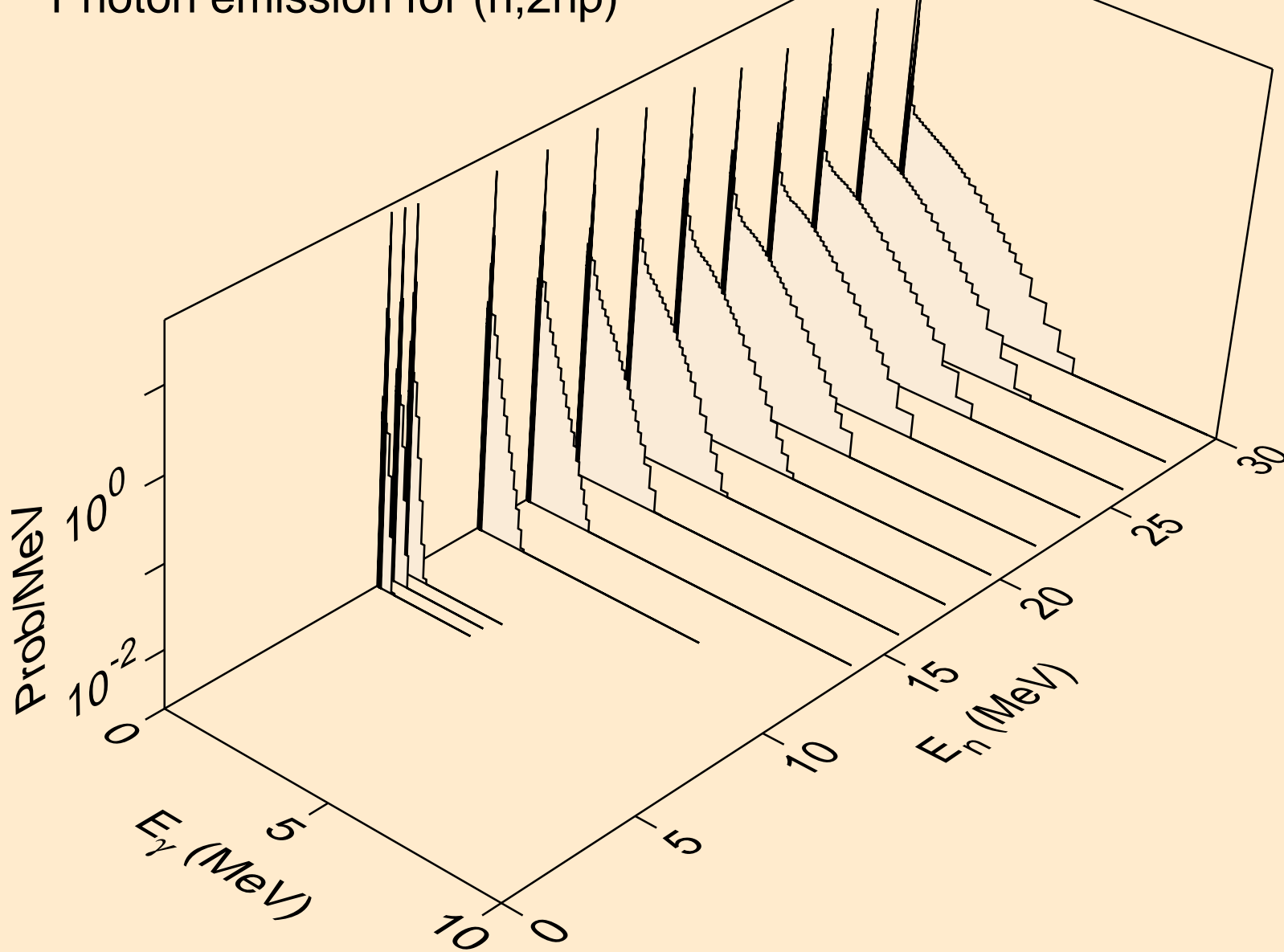
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



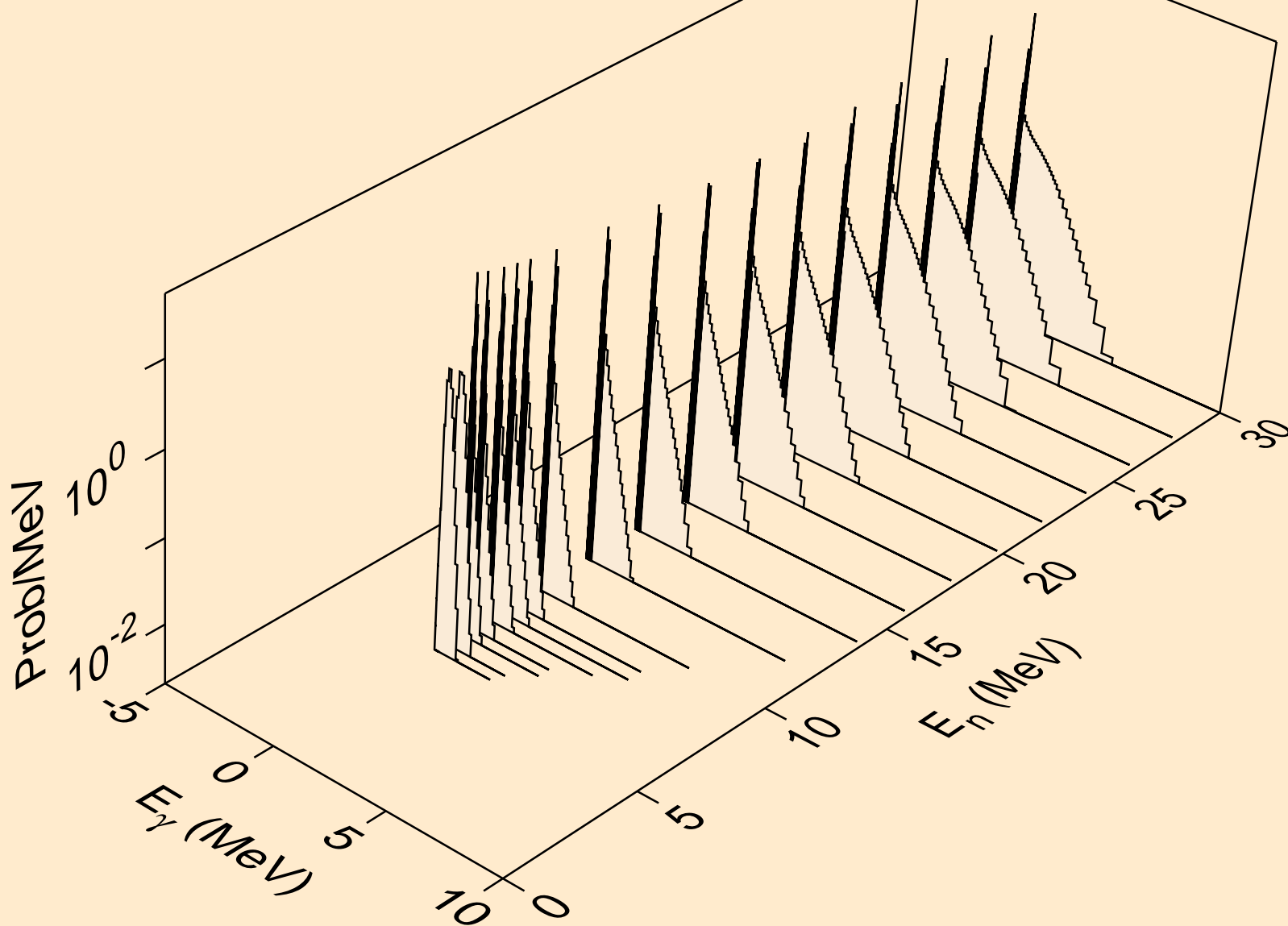
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



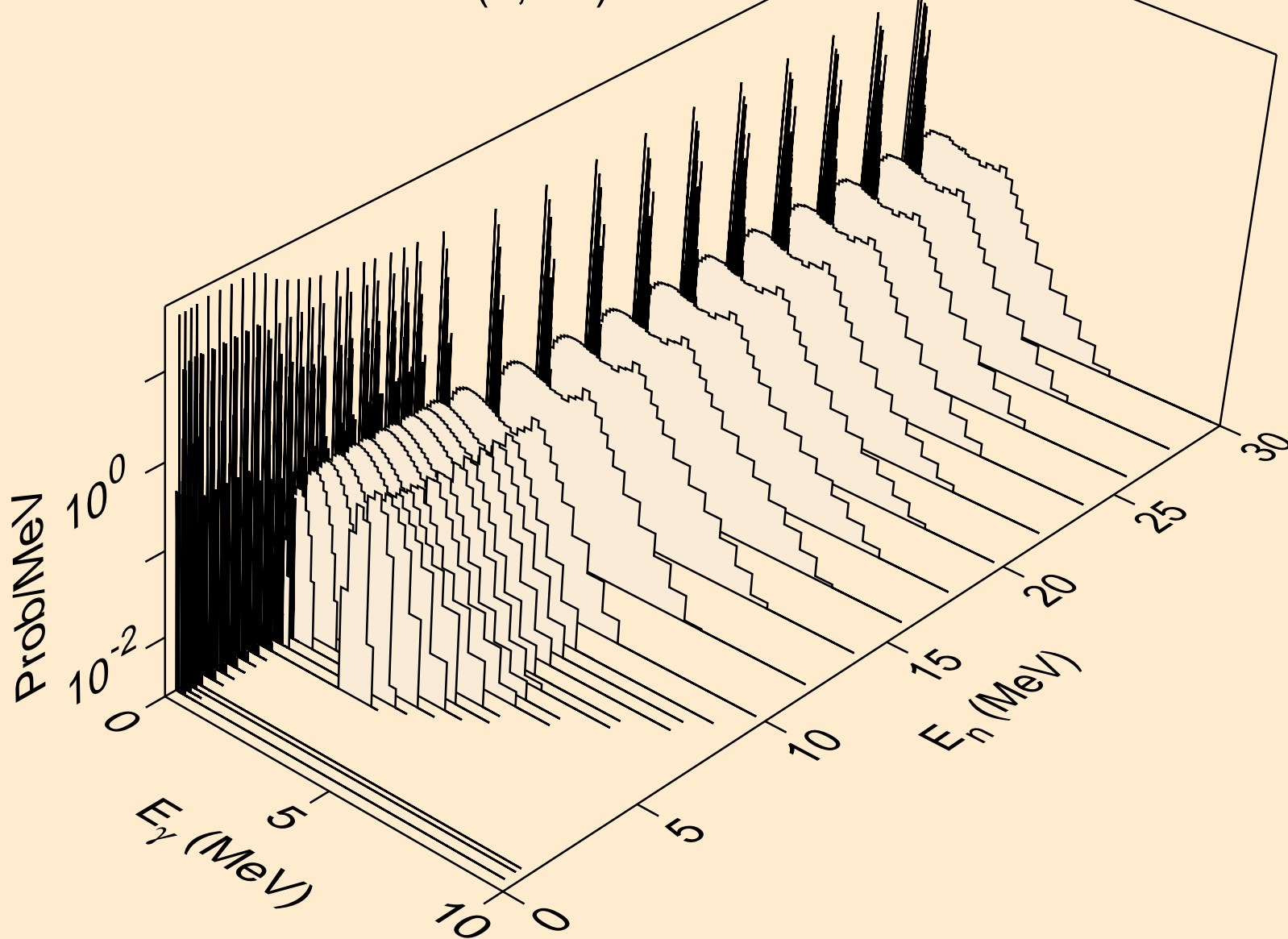
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



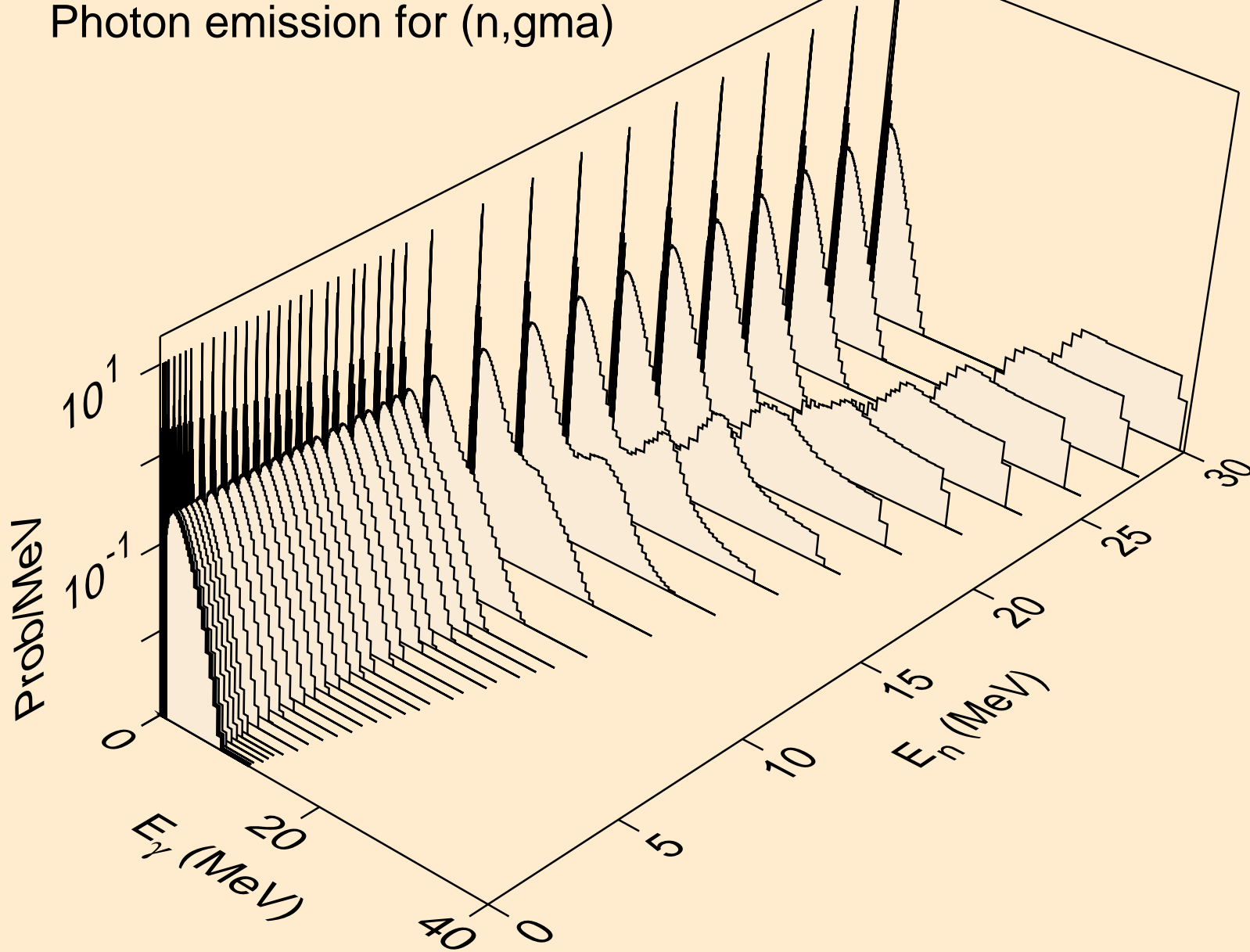
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



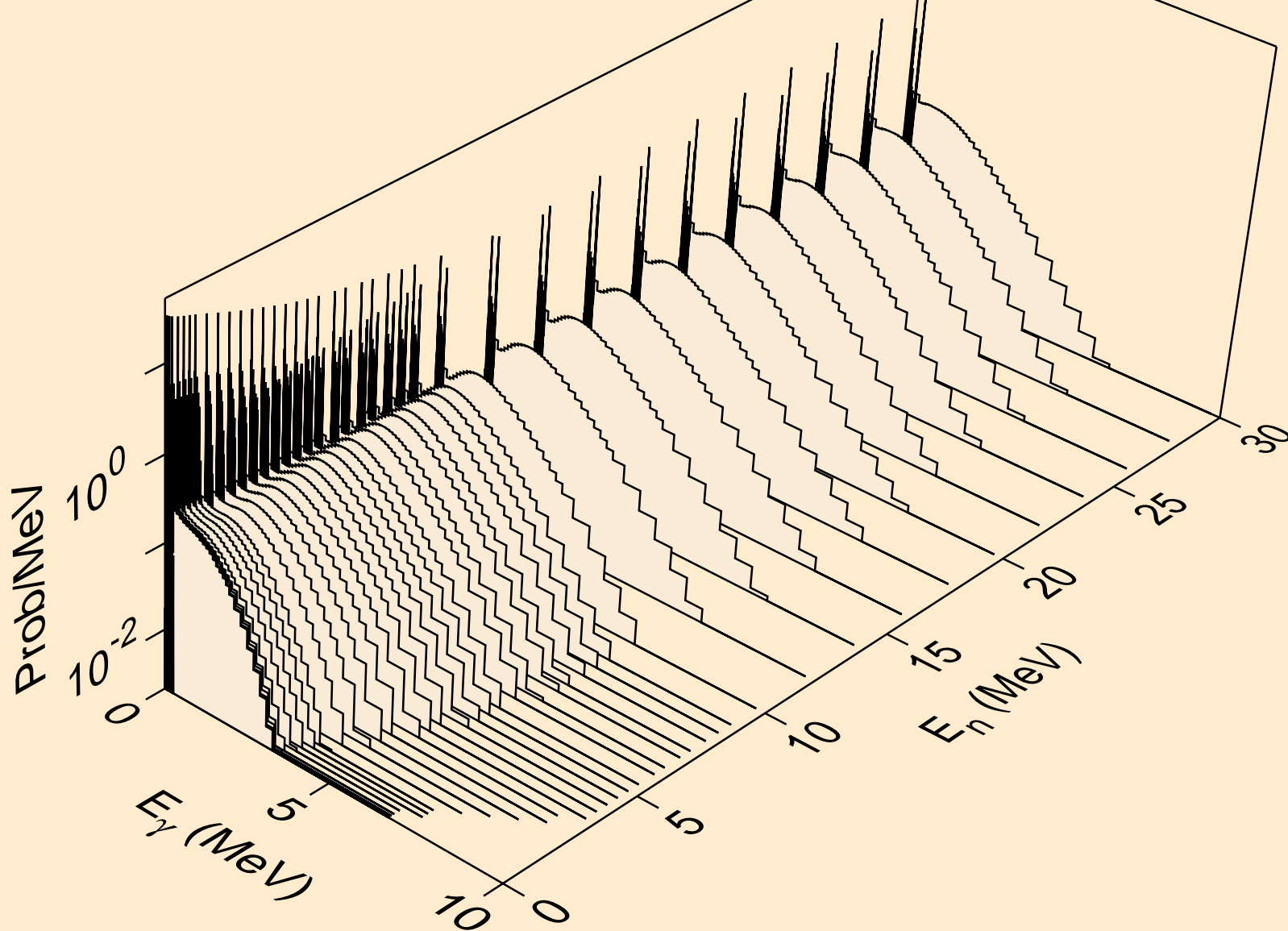
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



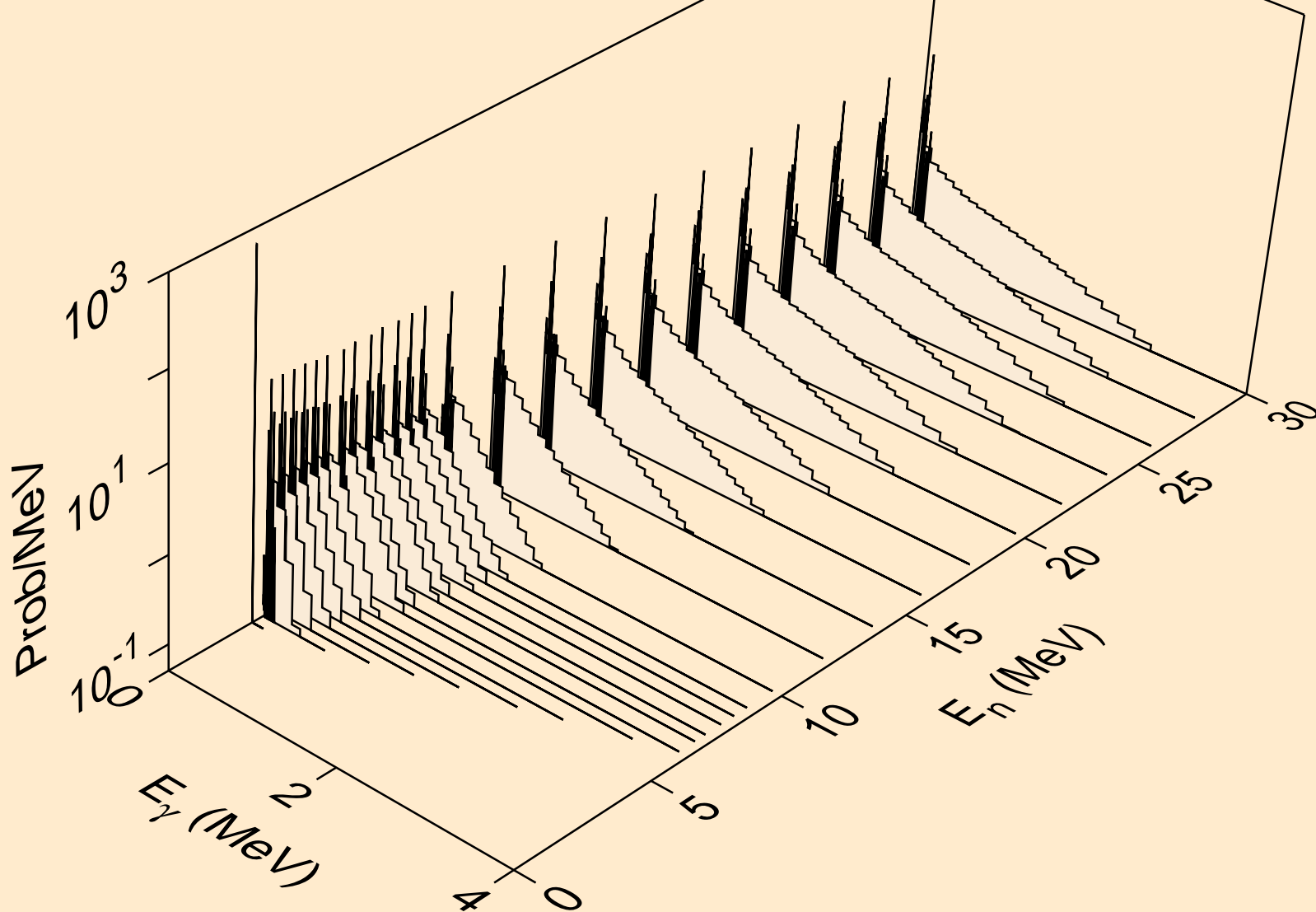
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



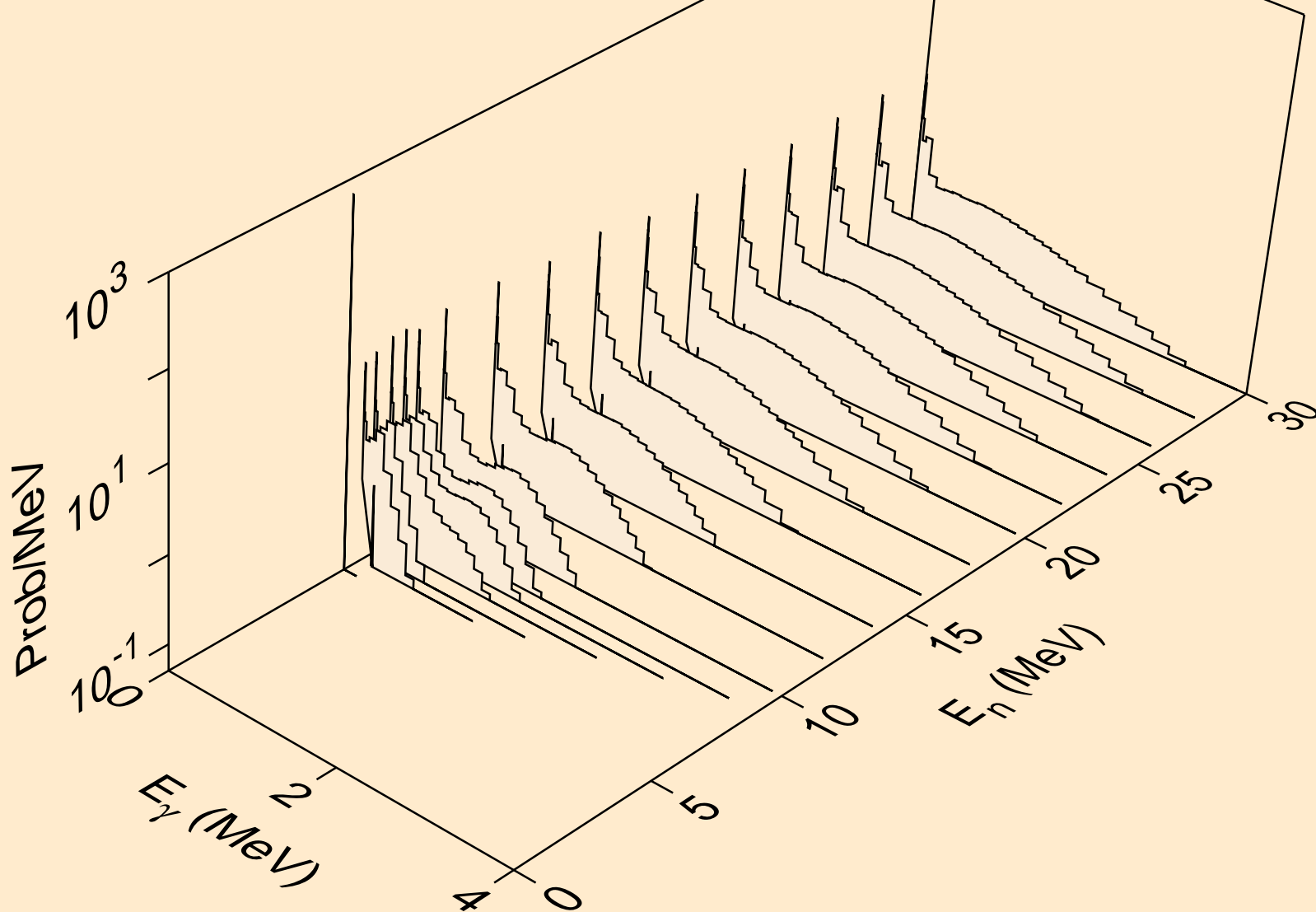
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



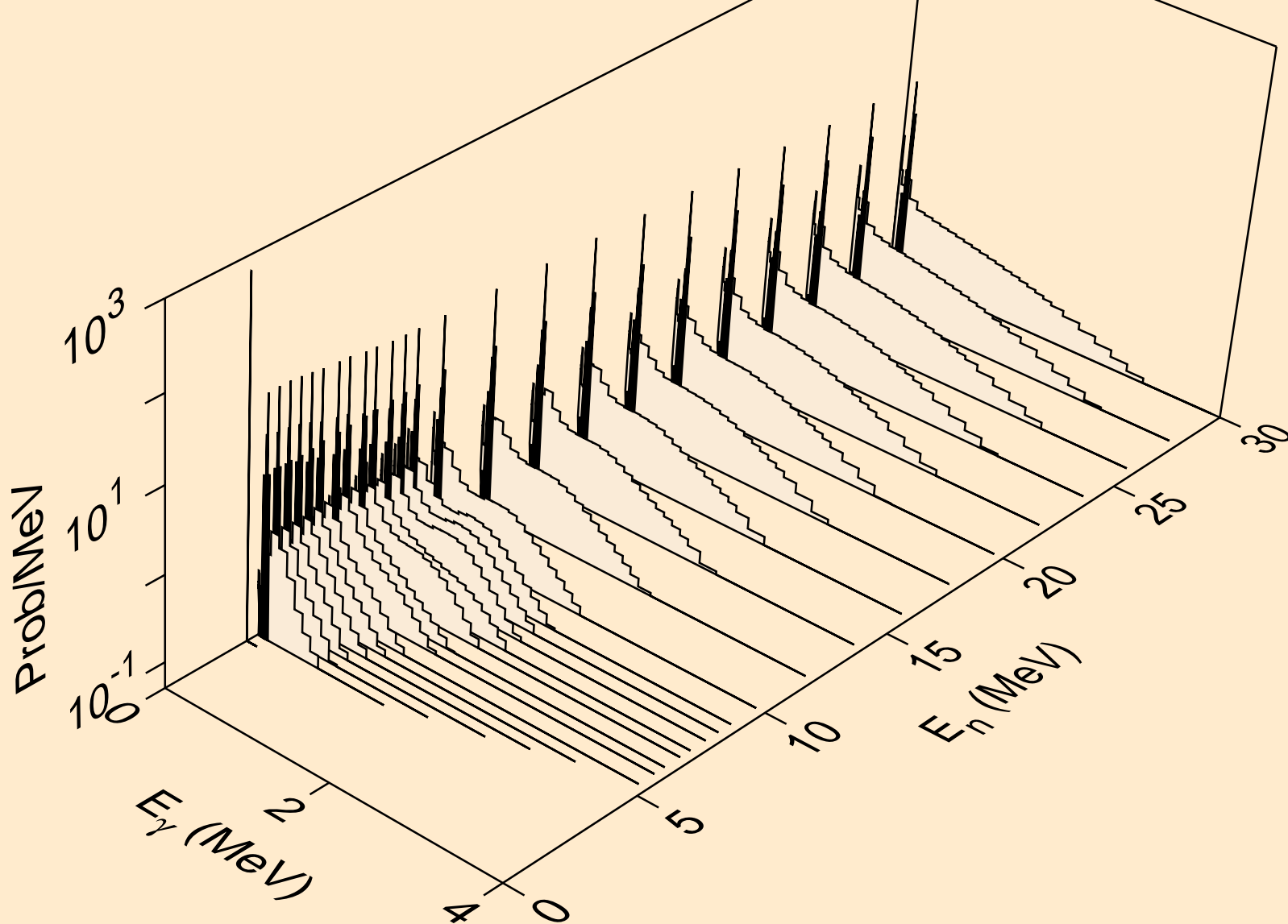
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



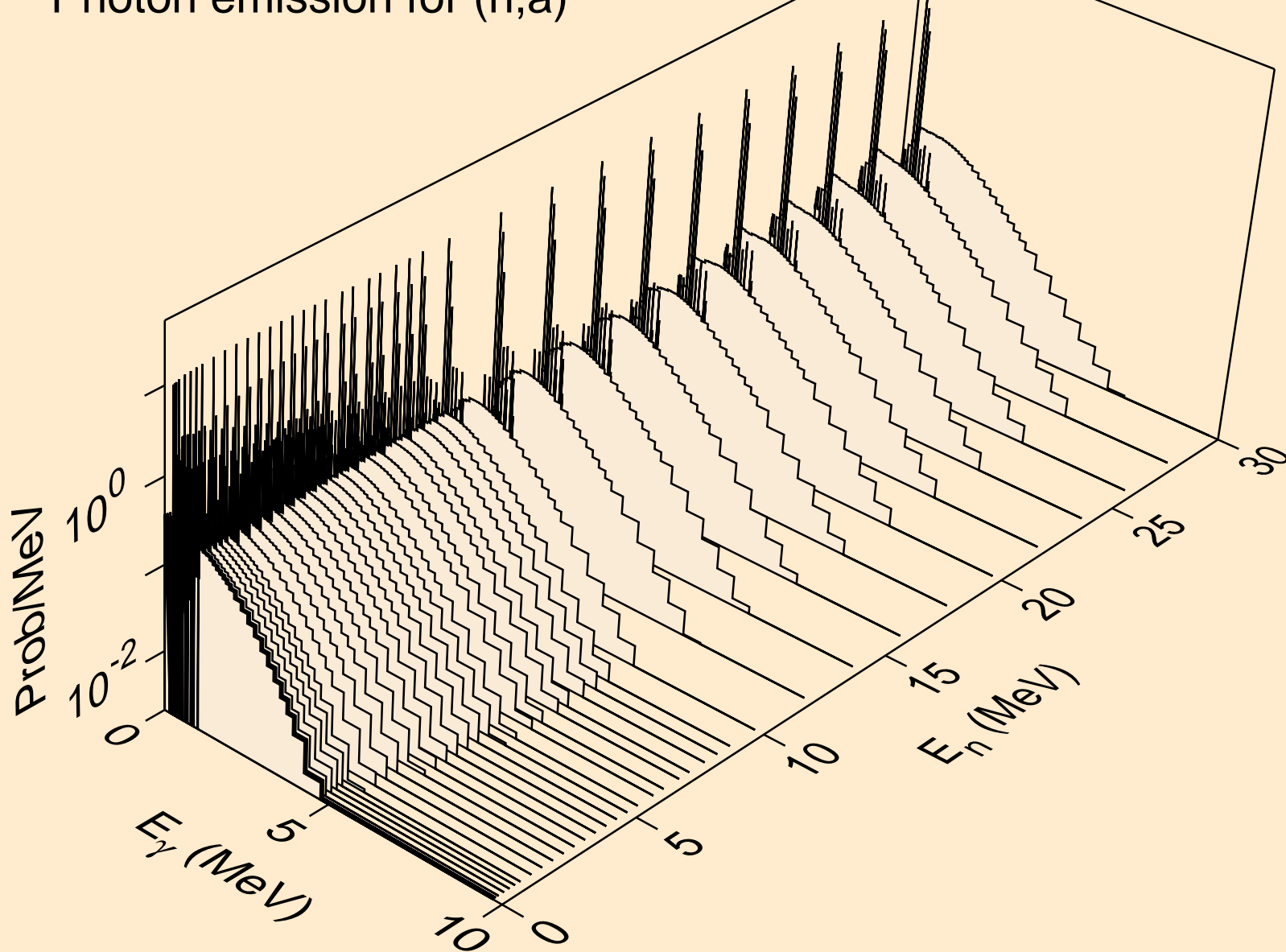
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



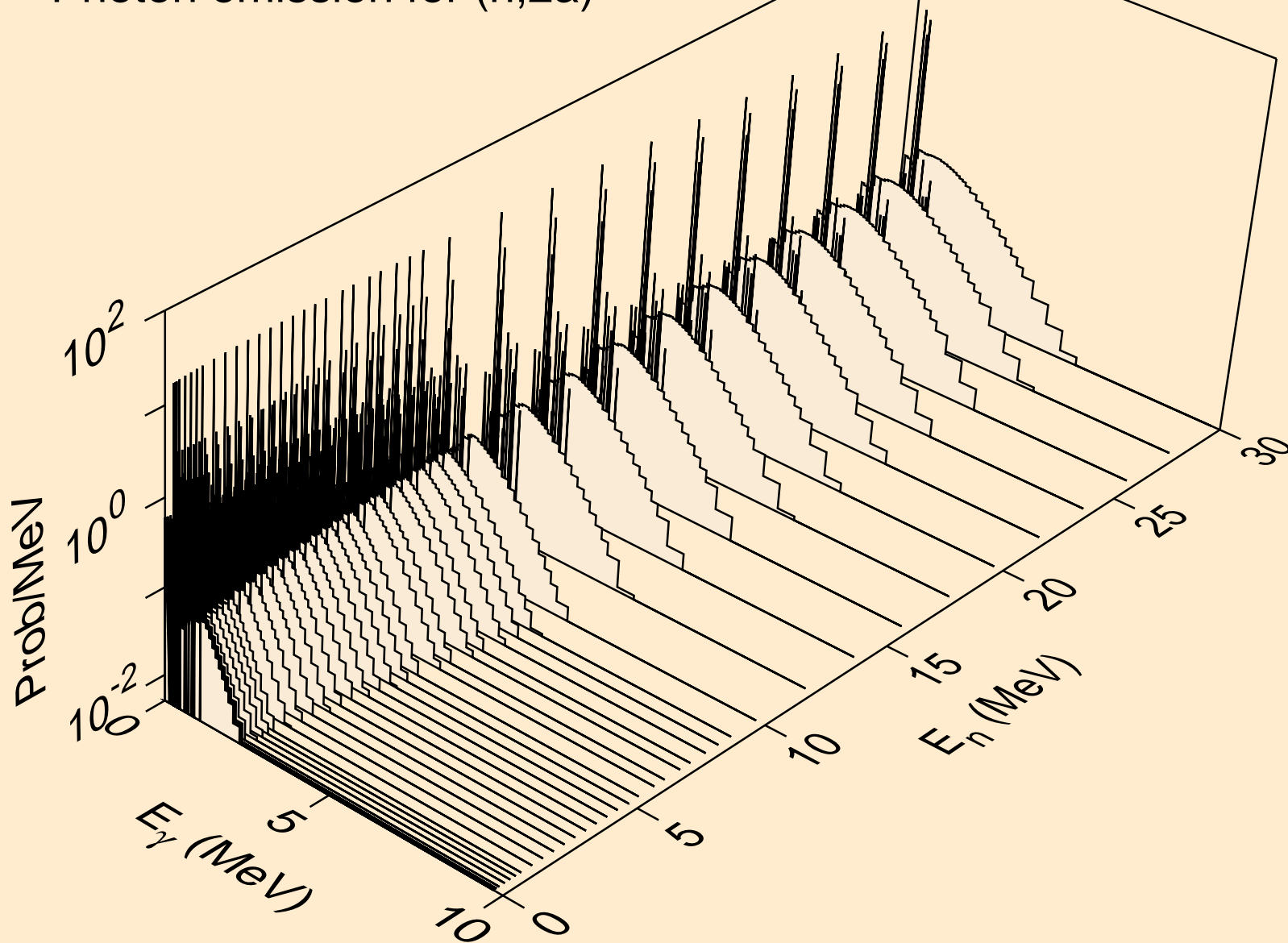
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



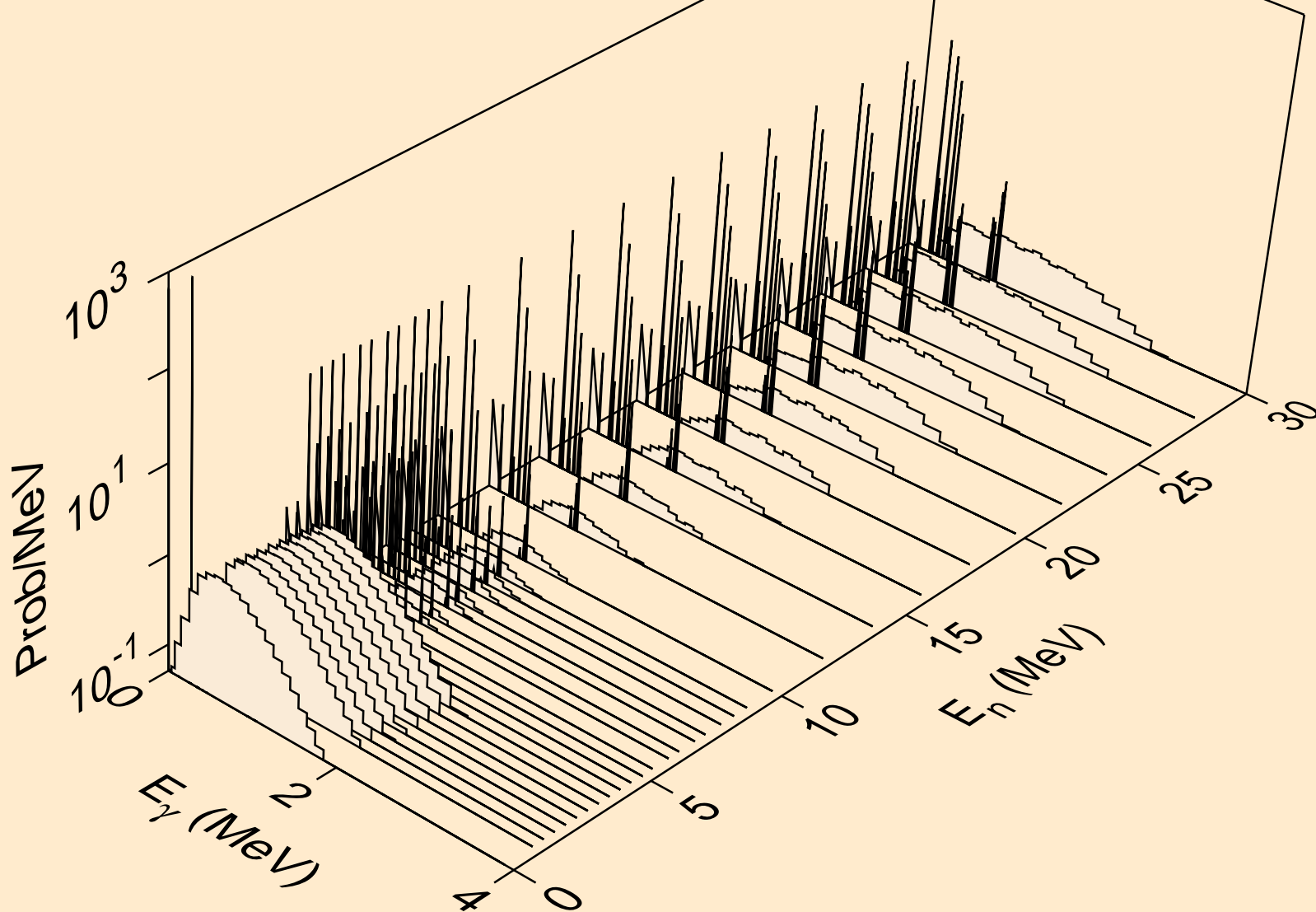
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



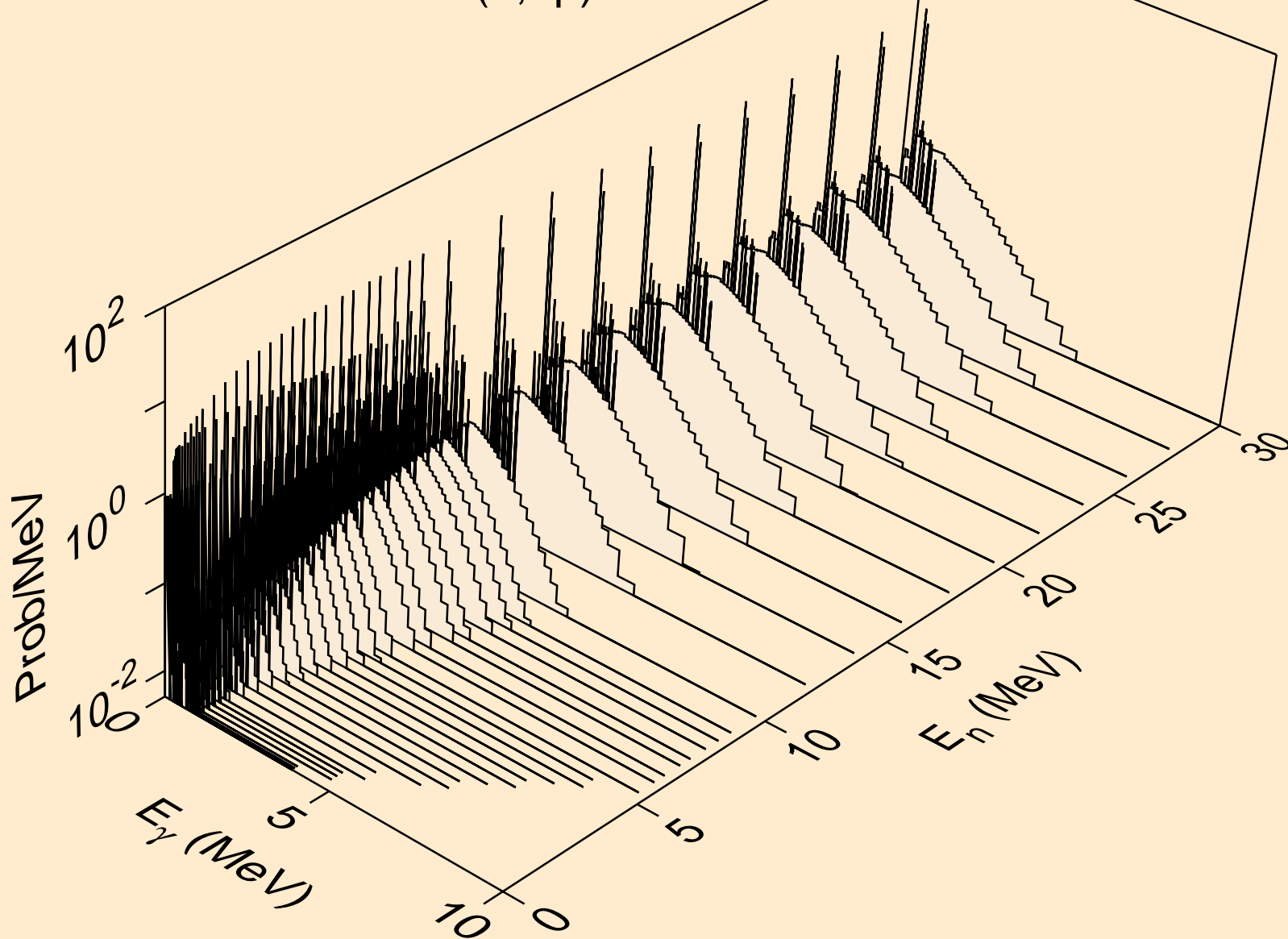
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



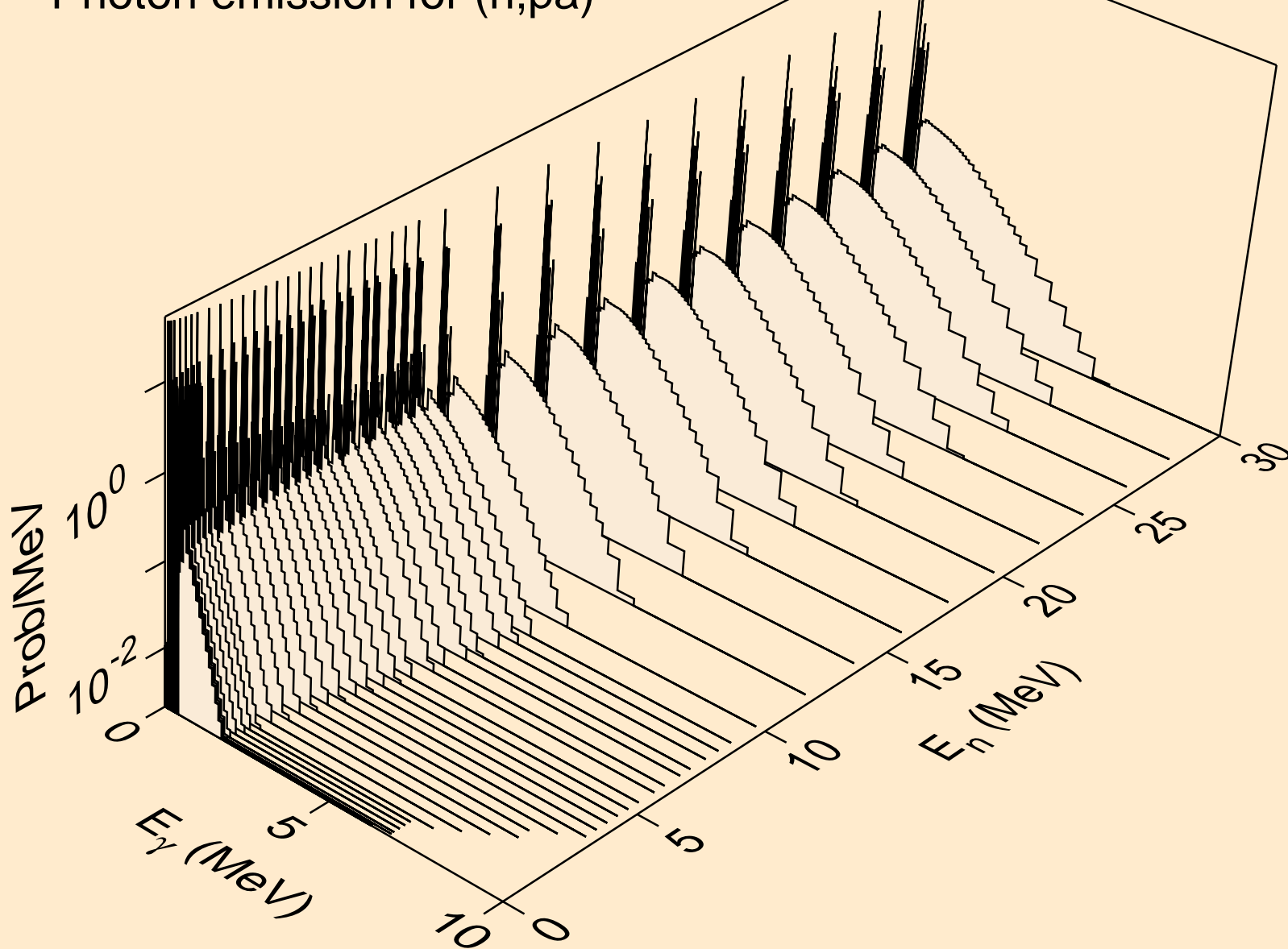
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3a)



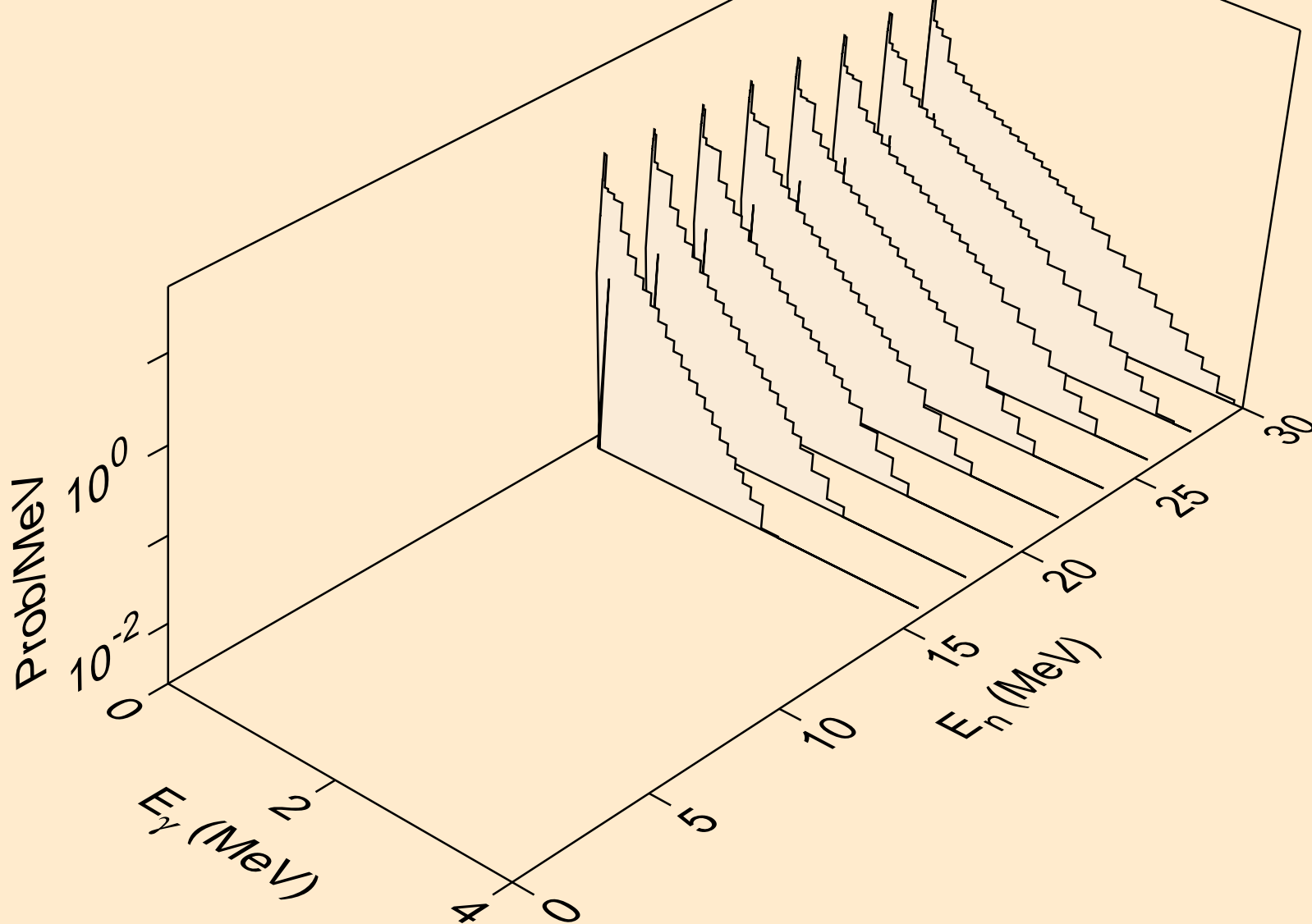
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



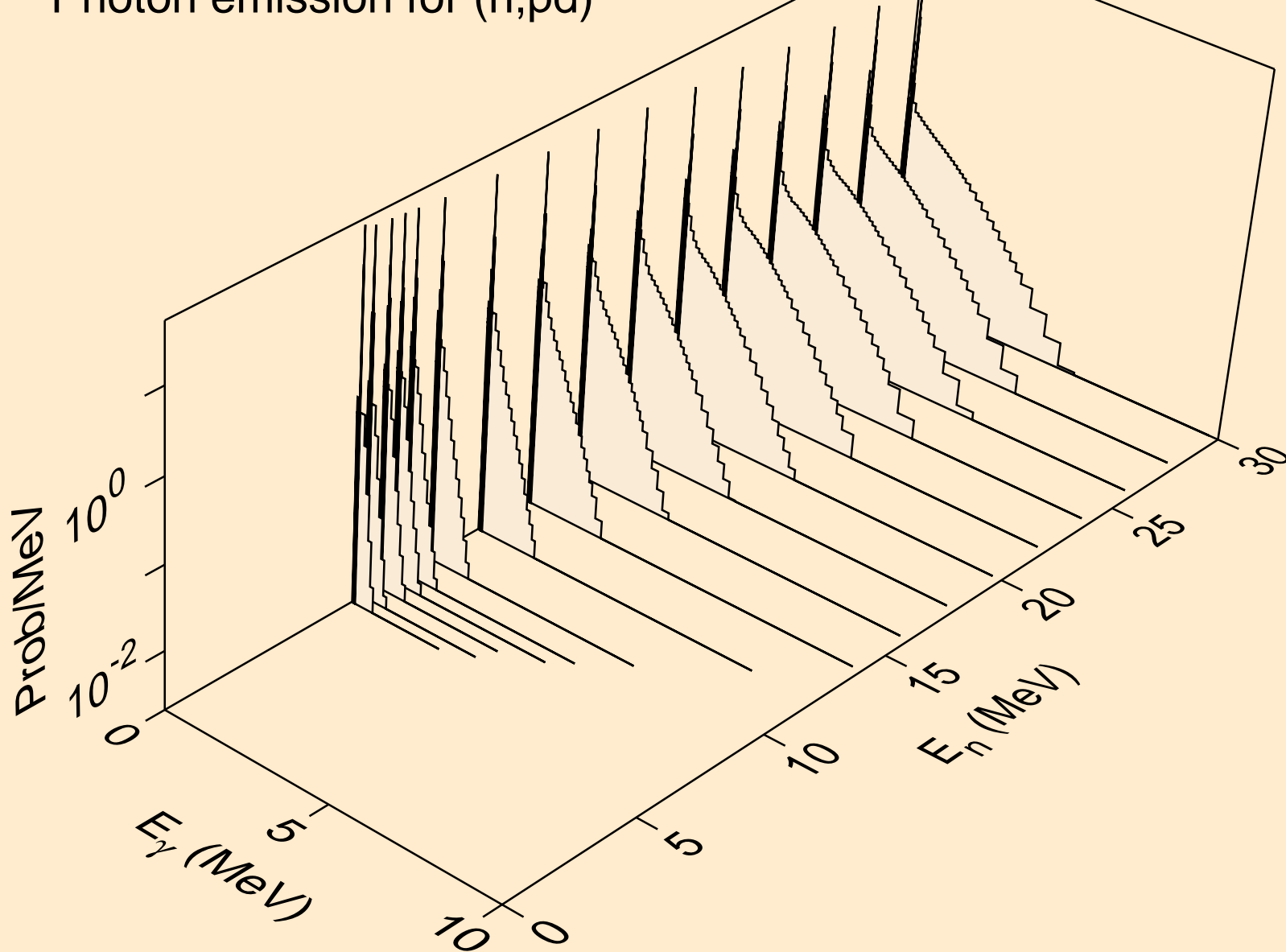
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



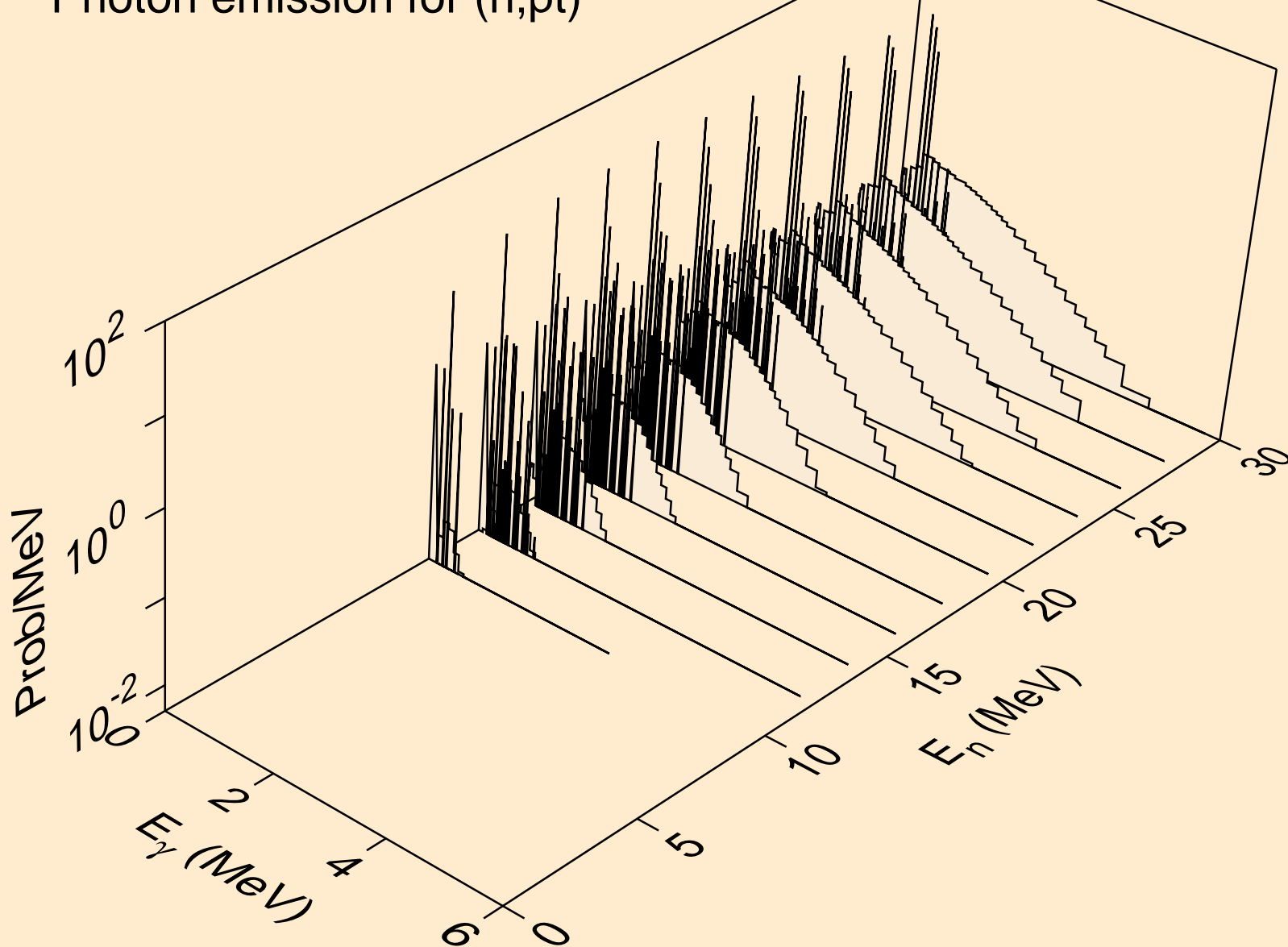
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d2a)



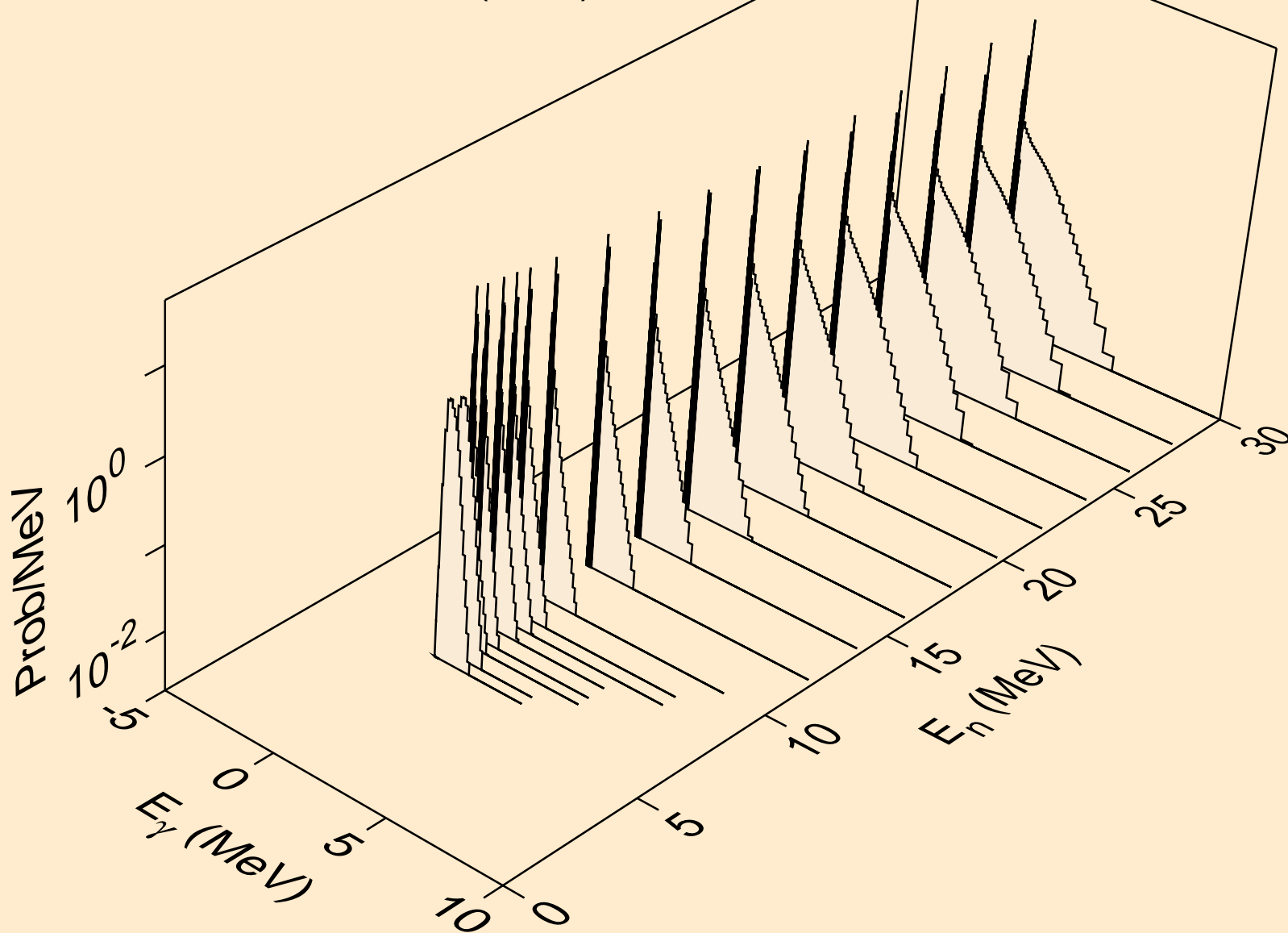
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



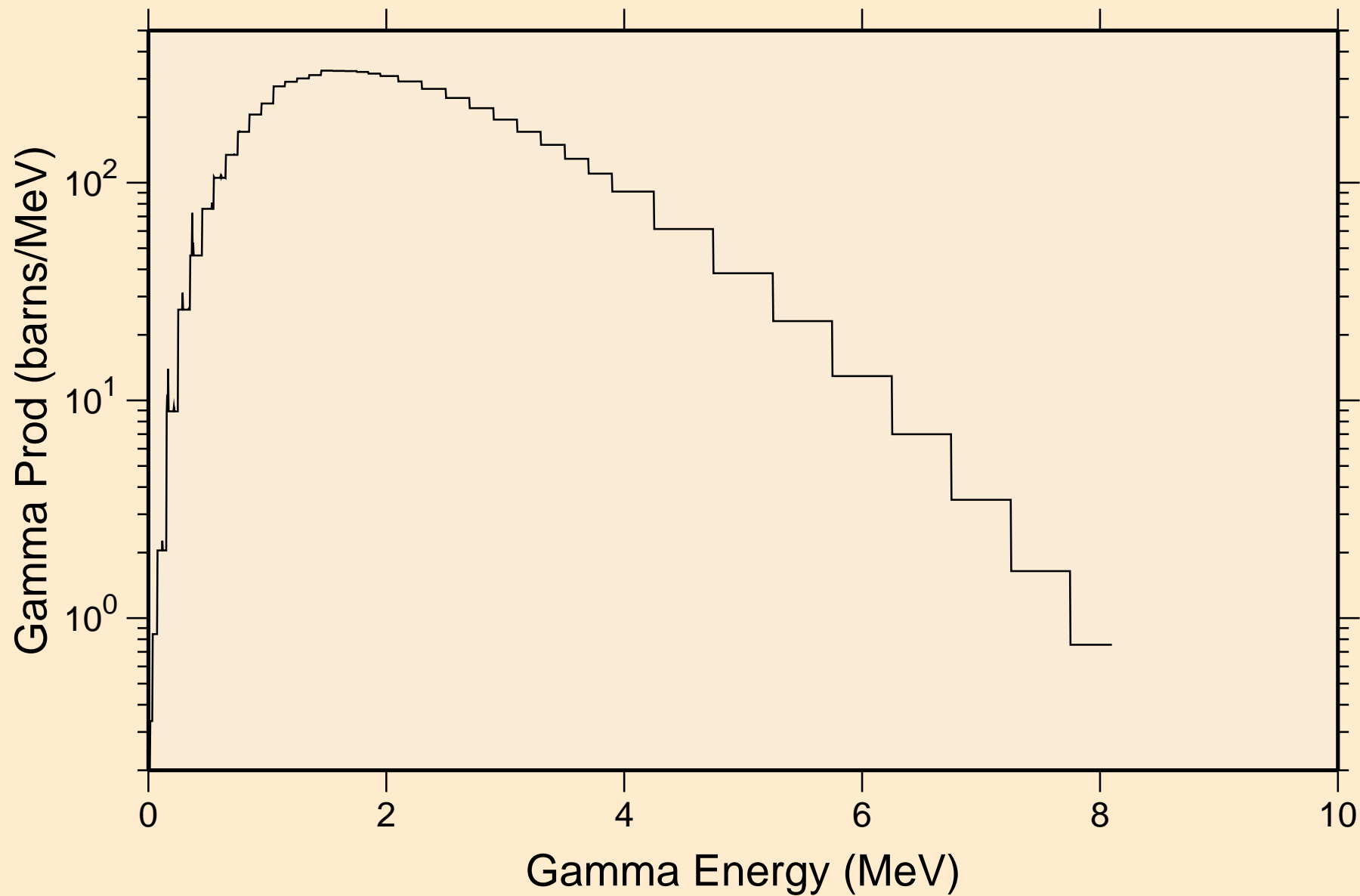
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



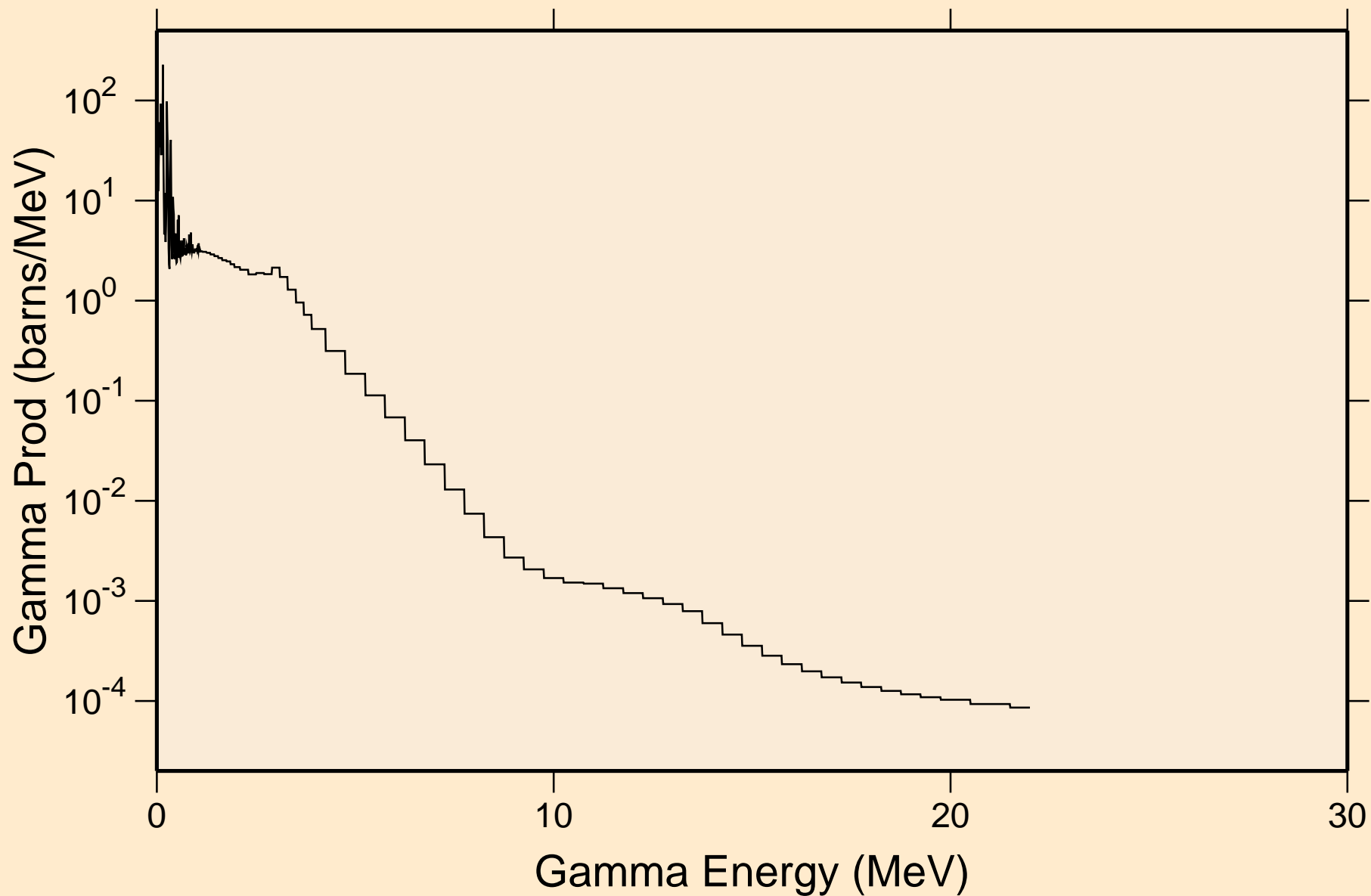
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

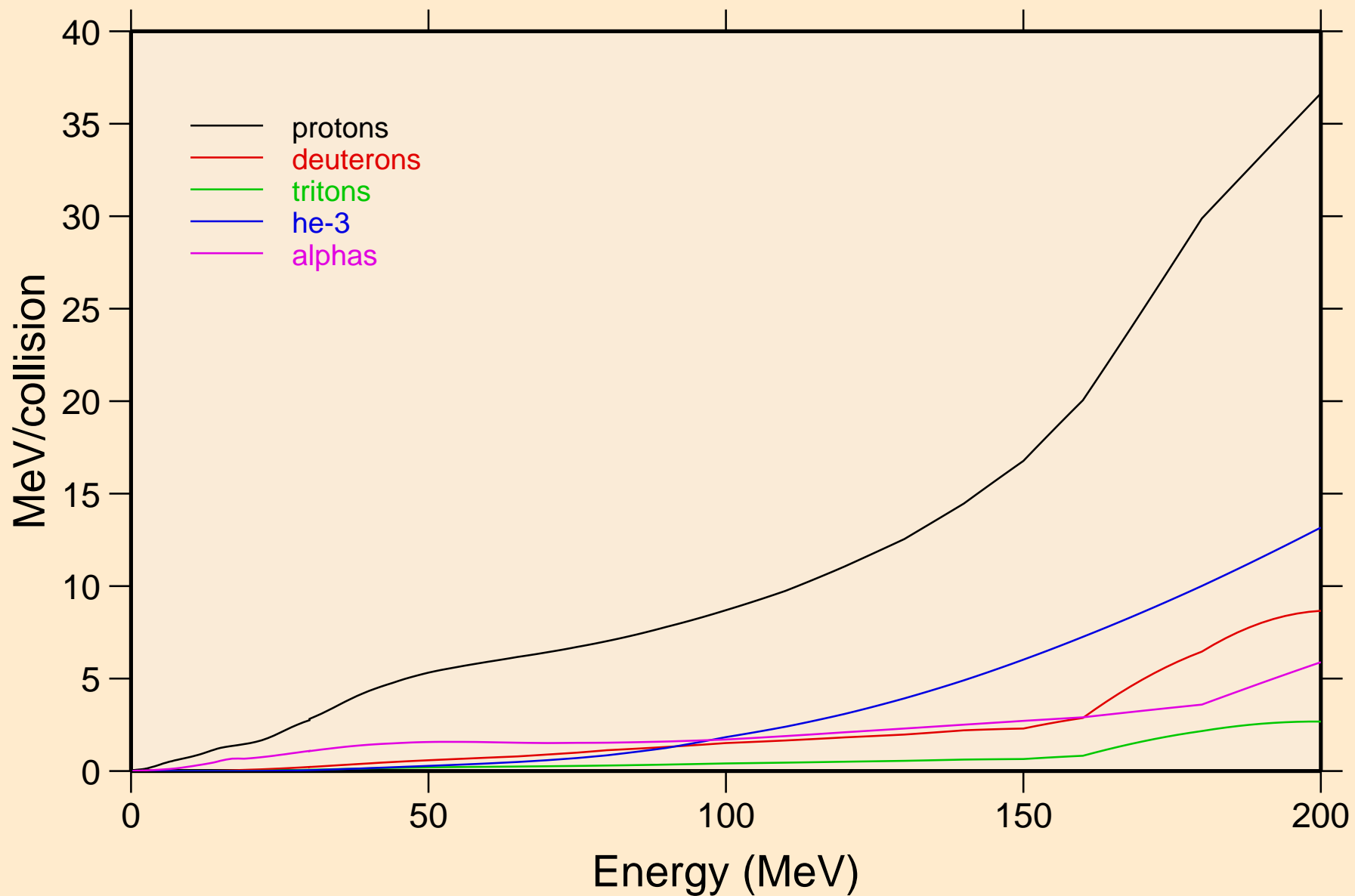


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



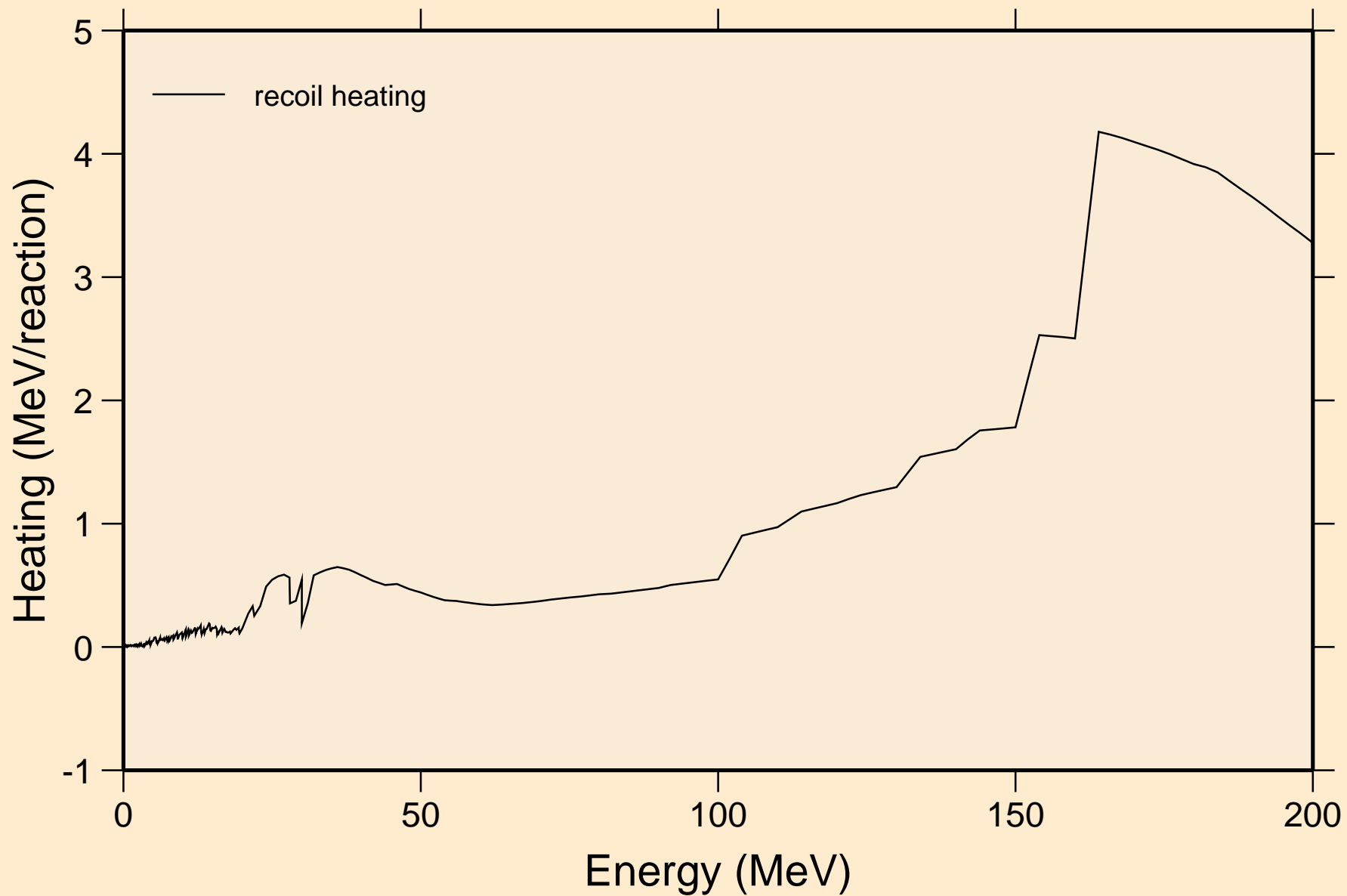
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

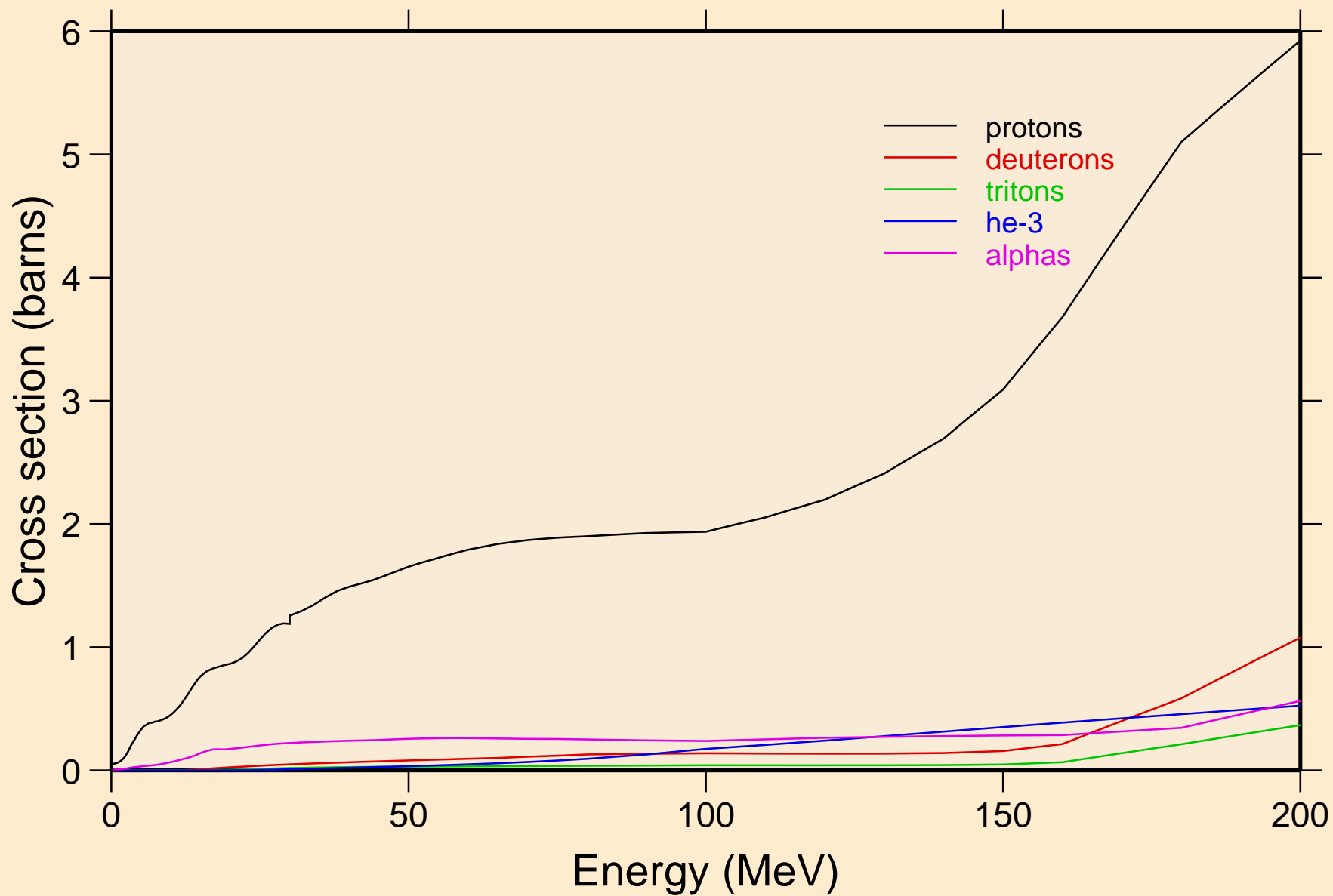


HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

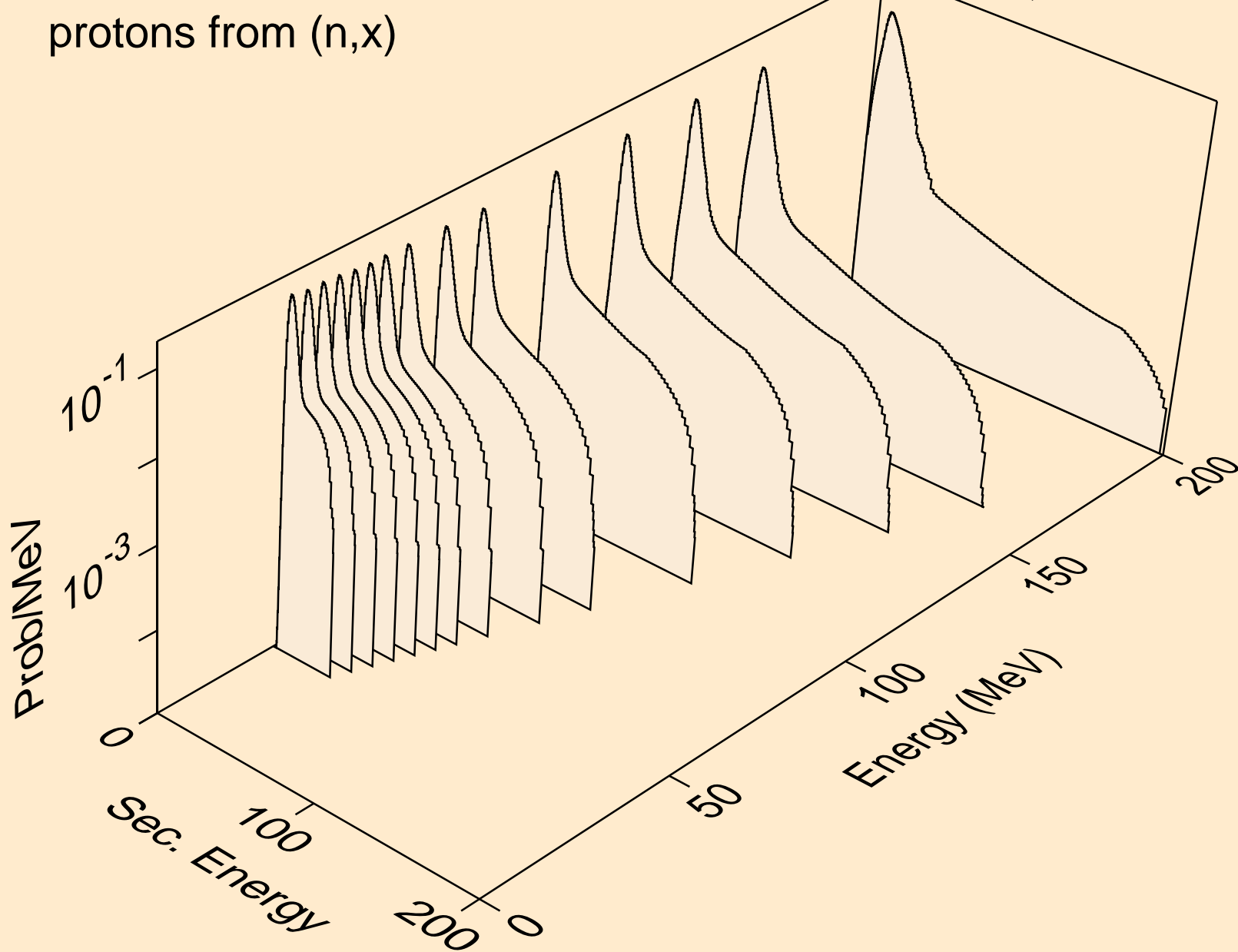
Recoil Heating



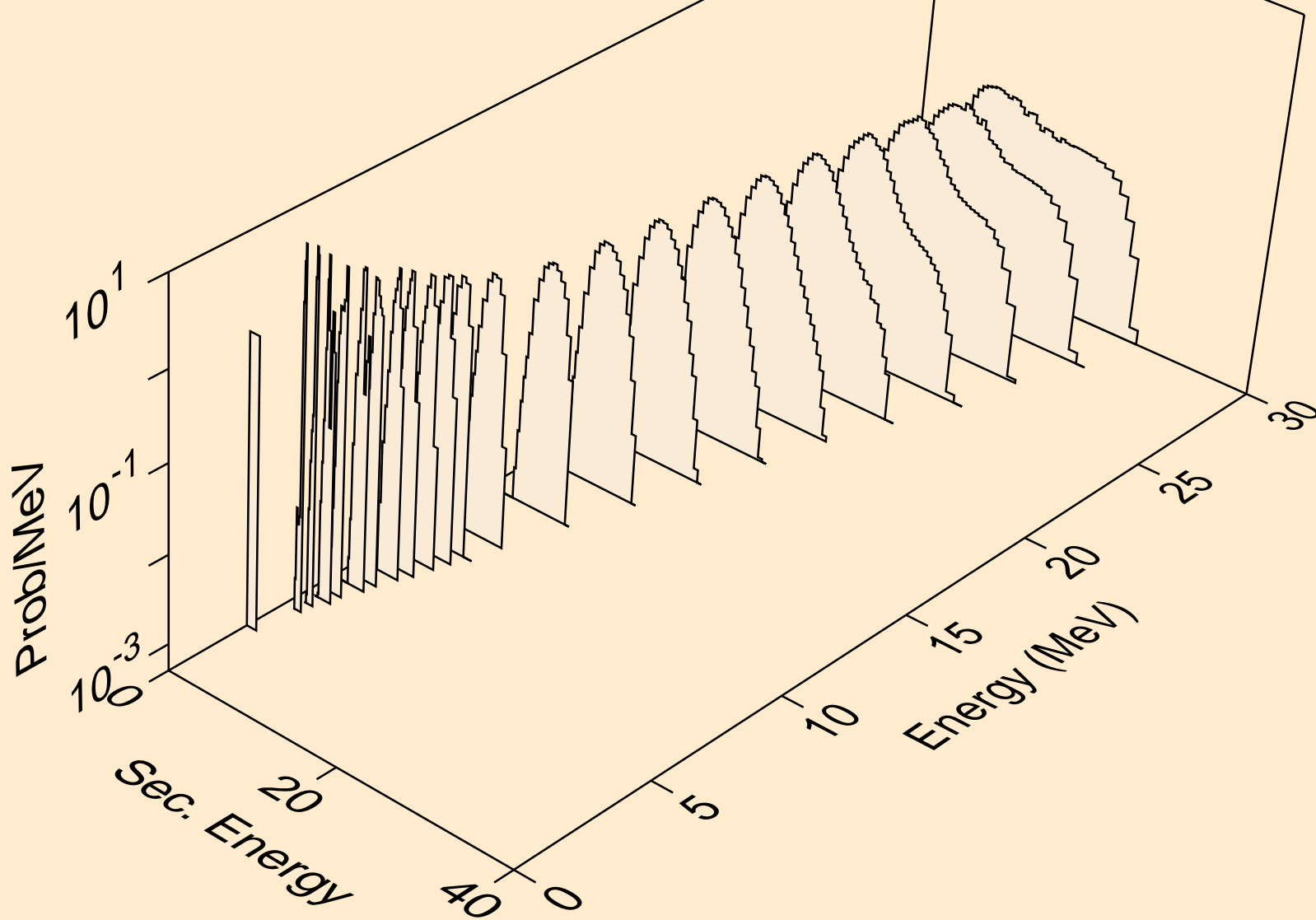
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



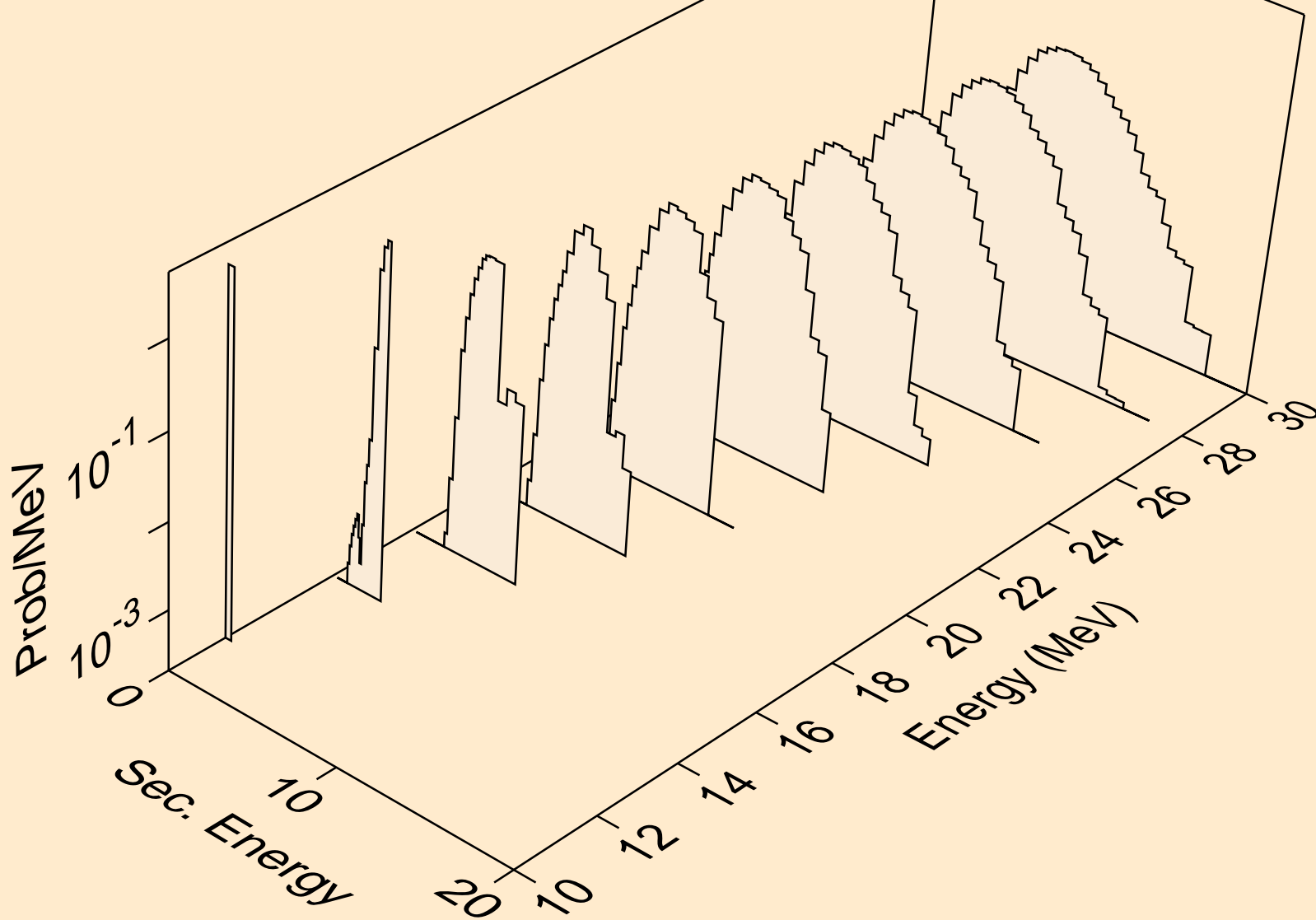
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



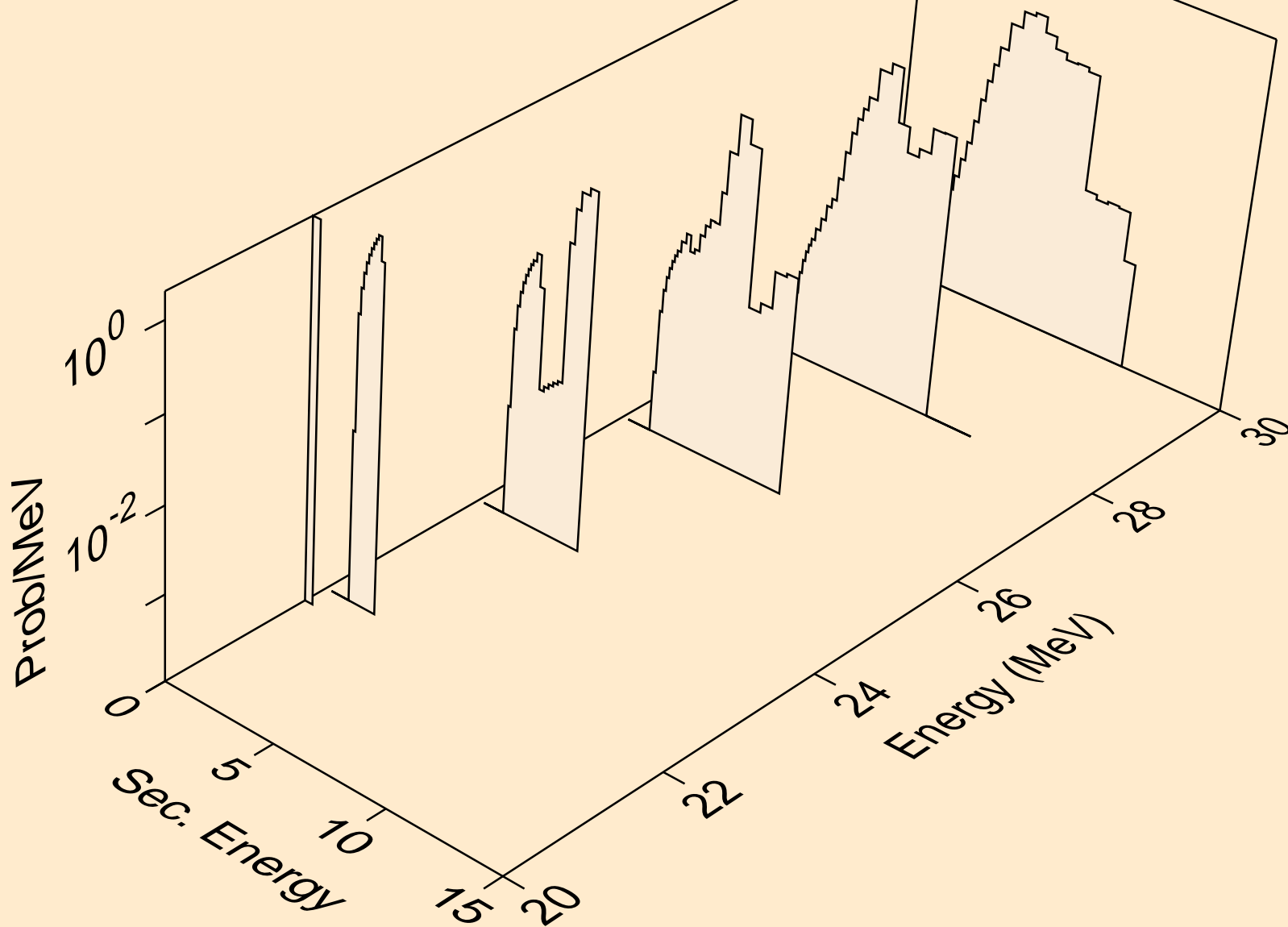
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



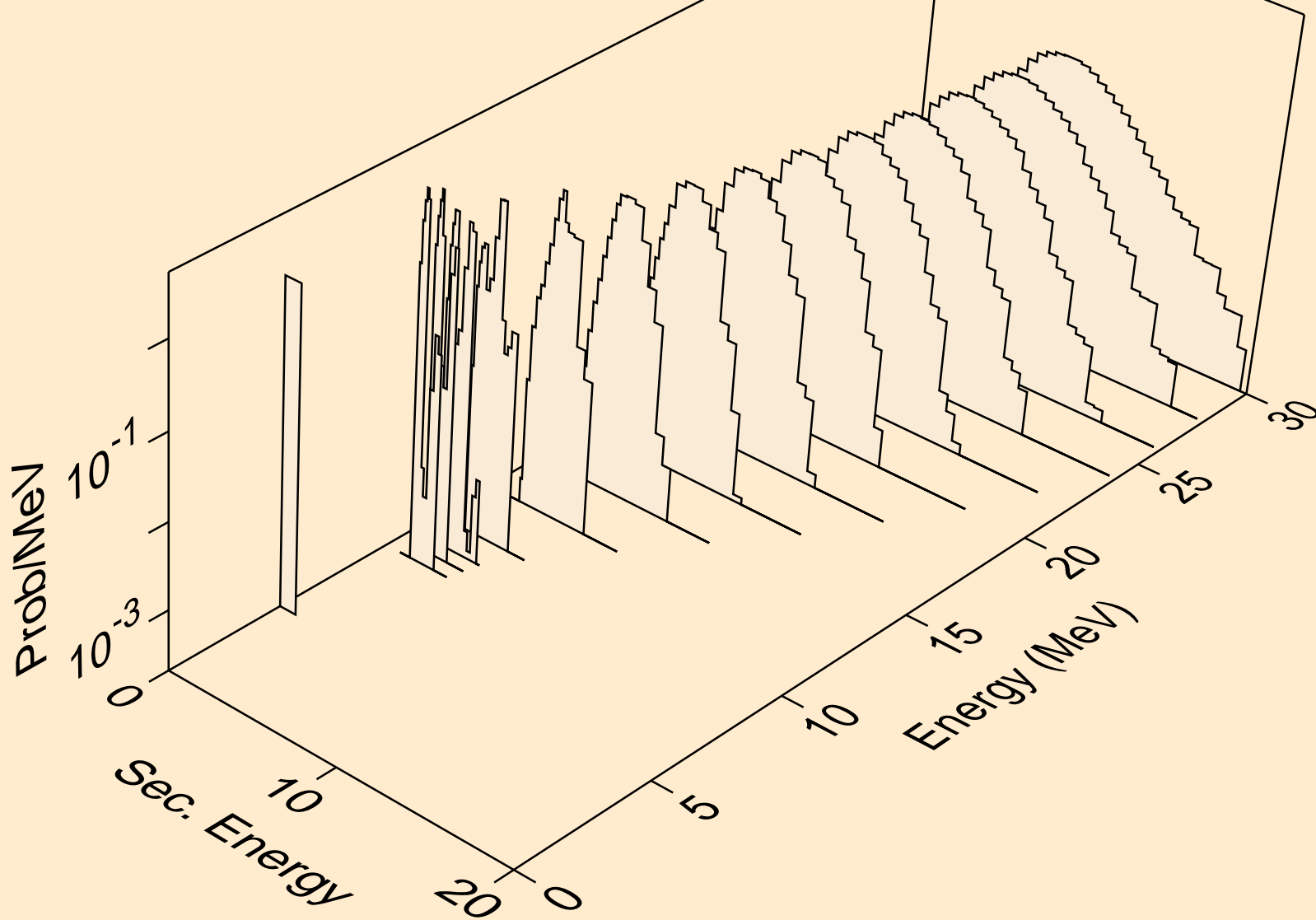
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



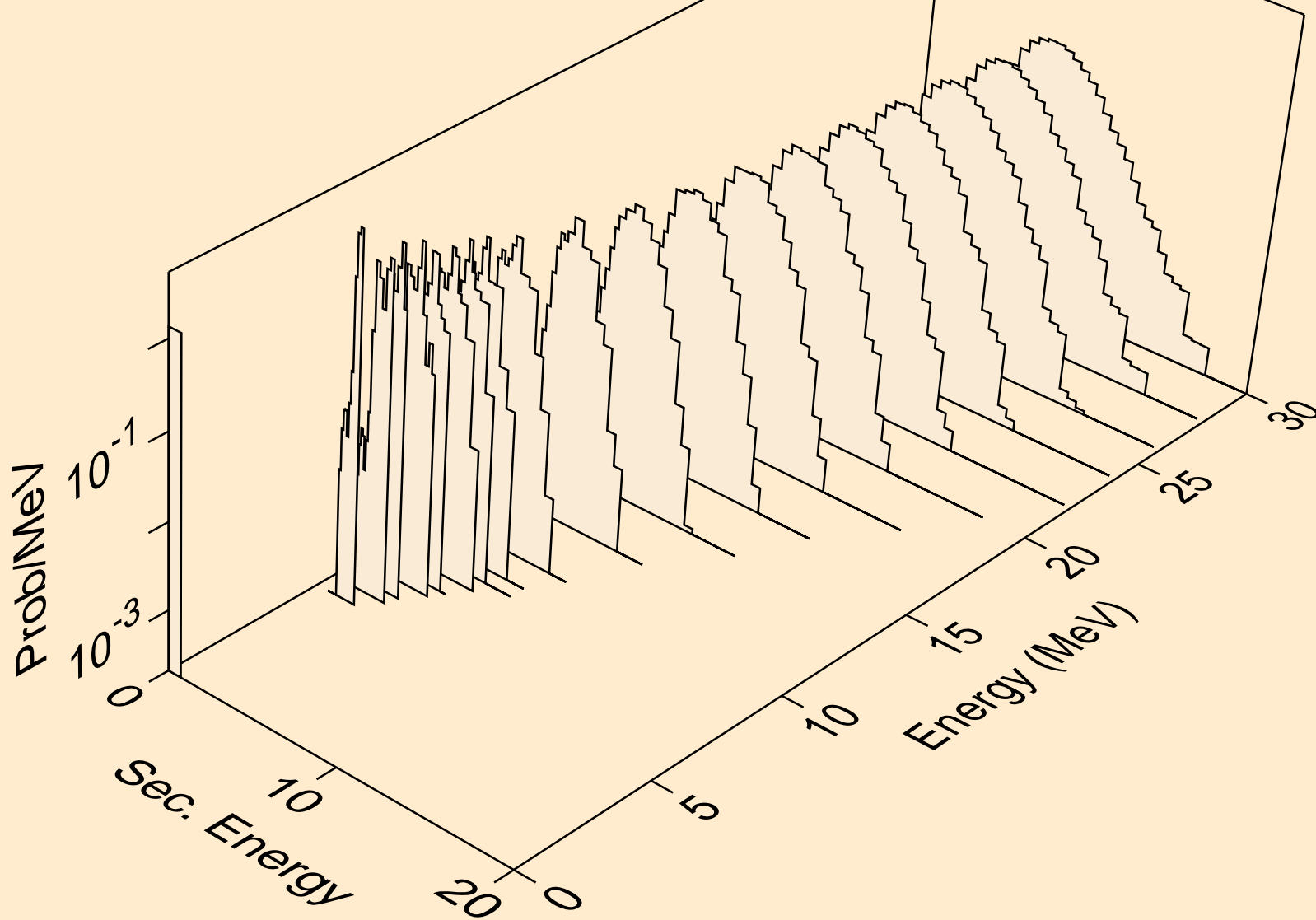
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protons from (n,3np)



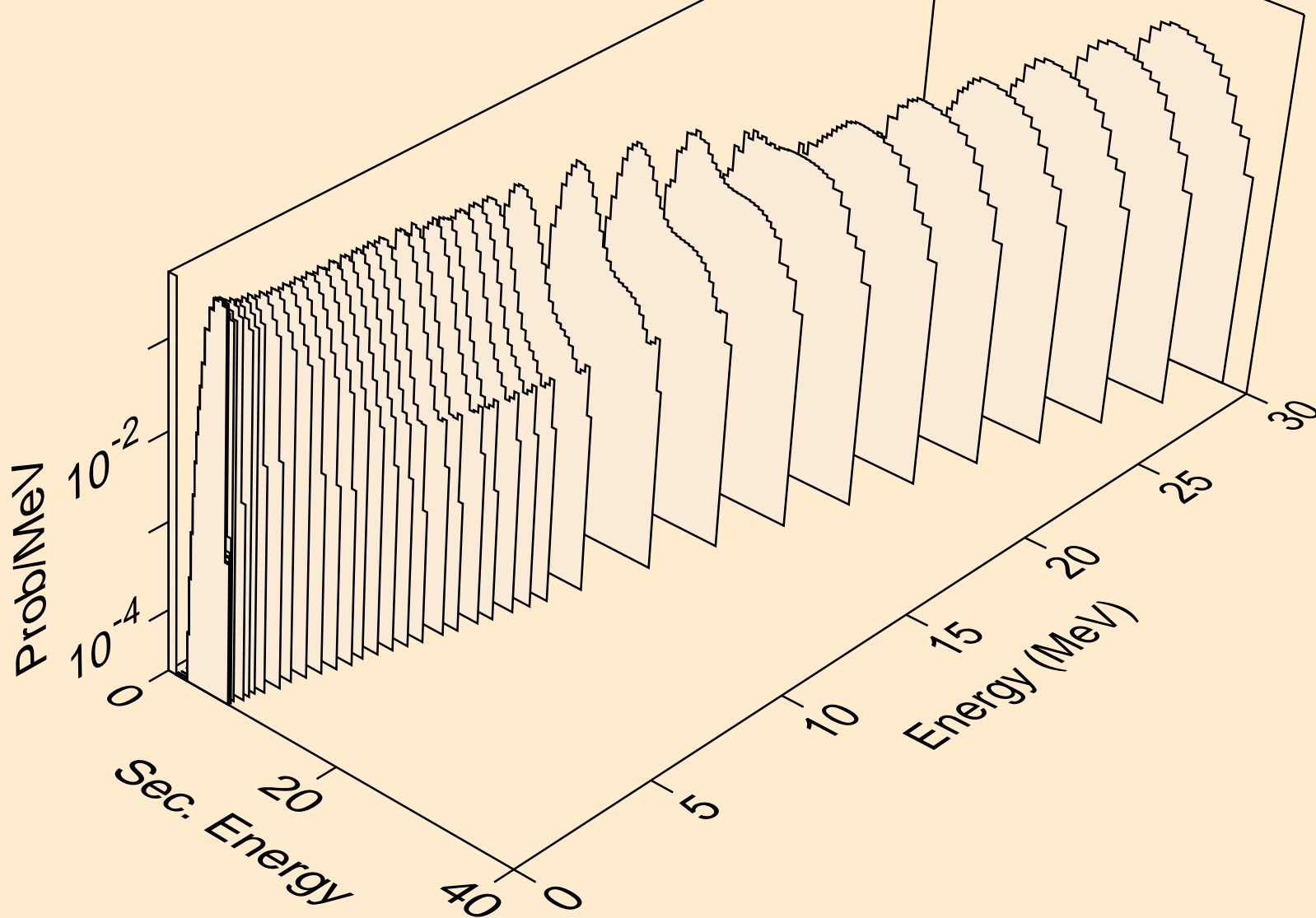
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protons from (n,2np)



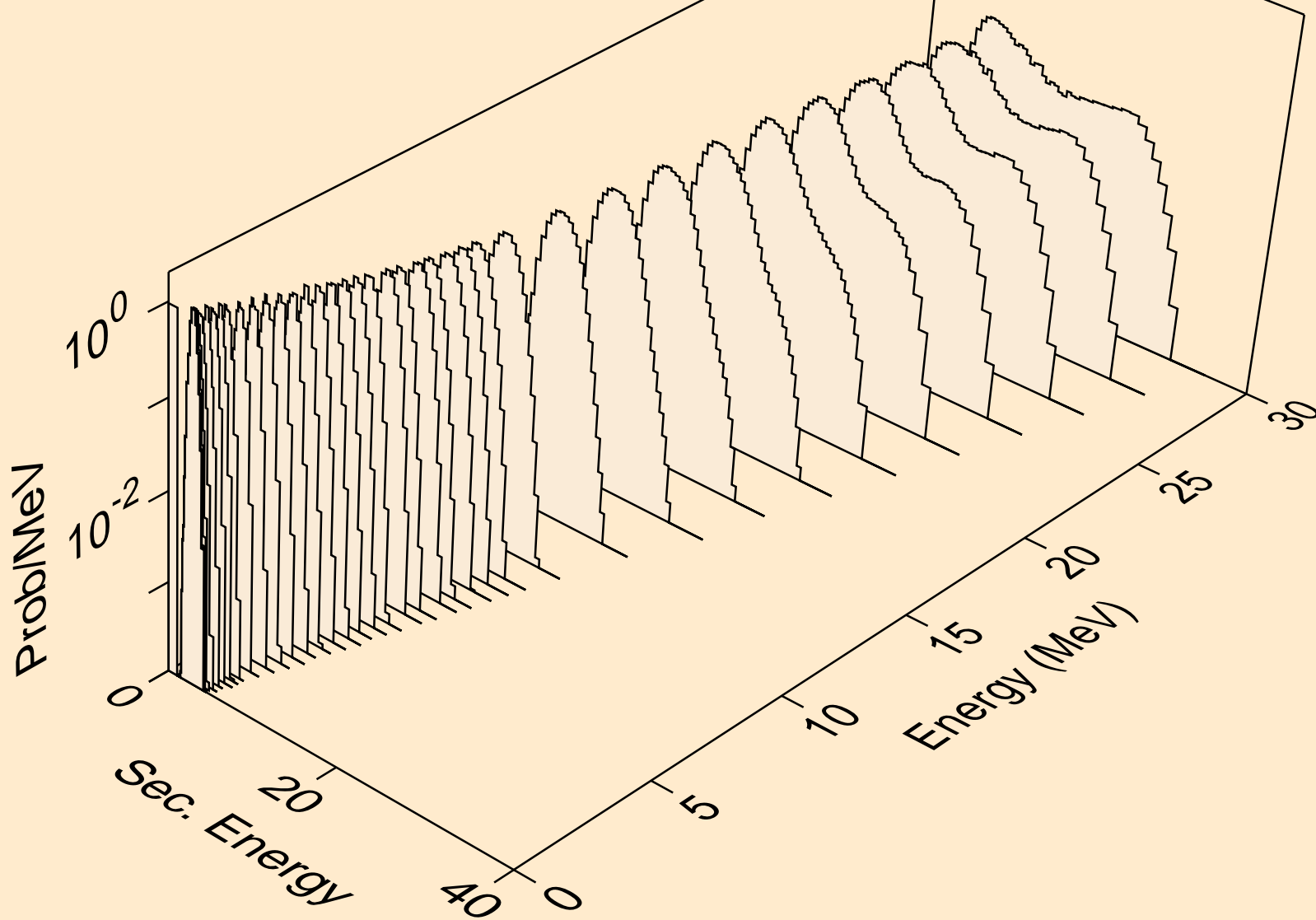
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protons from (n,npa)



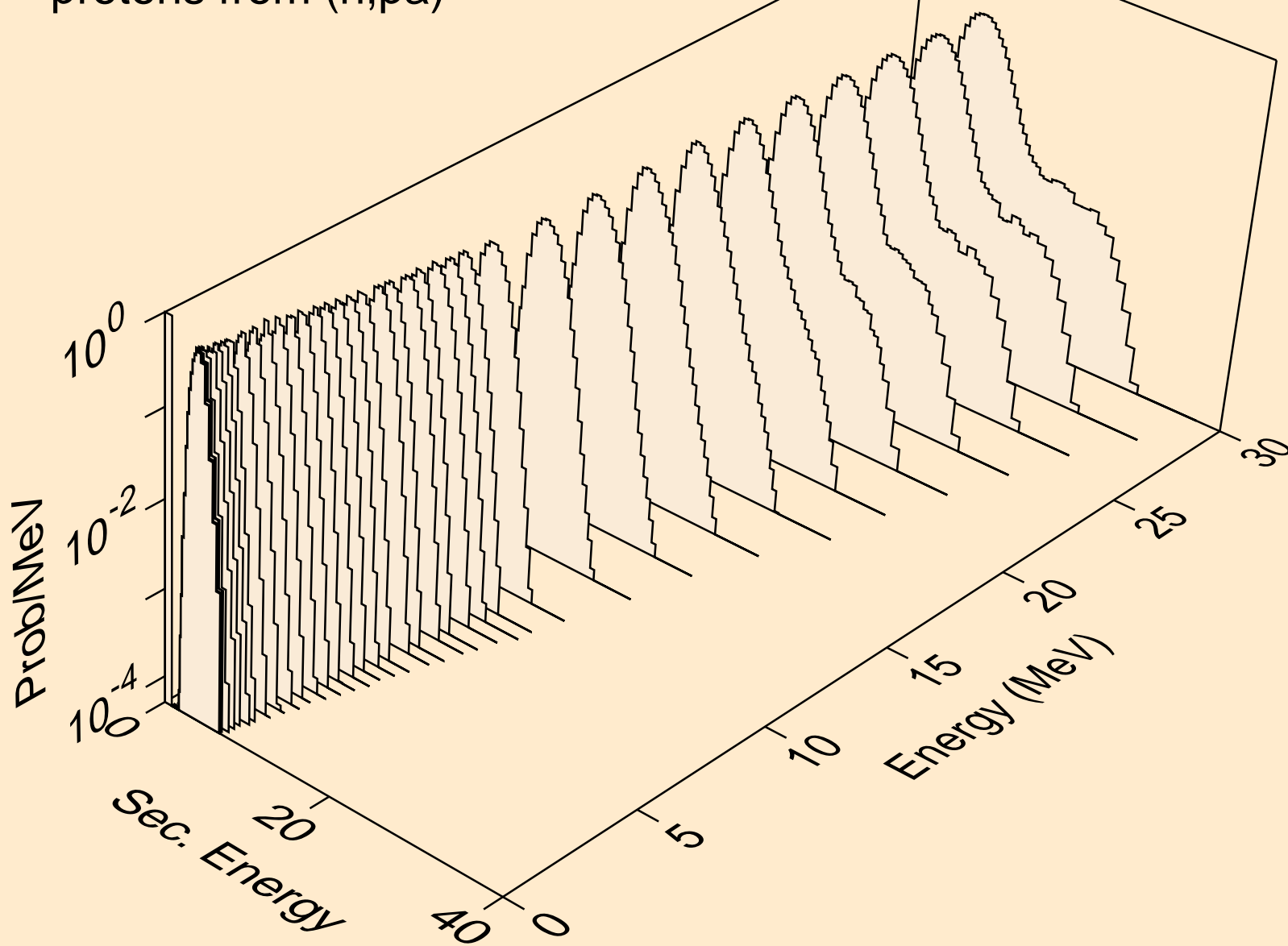
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protons from (n,p)



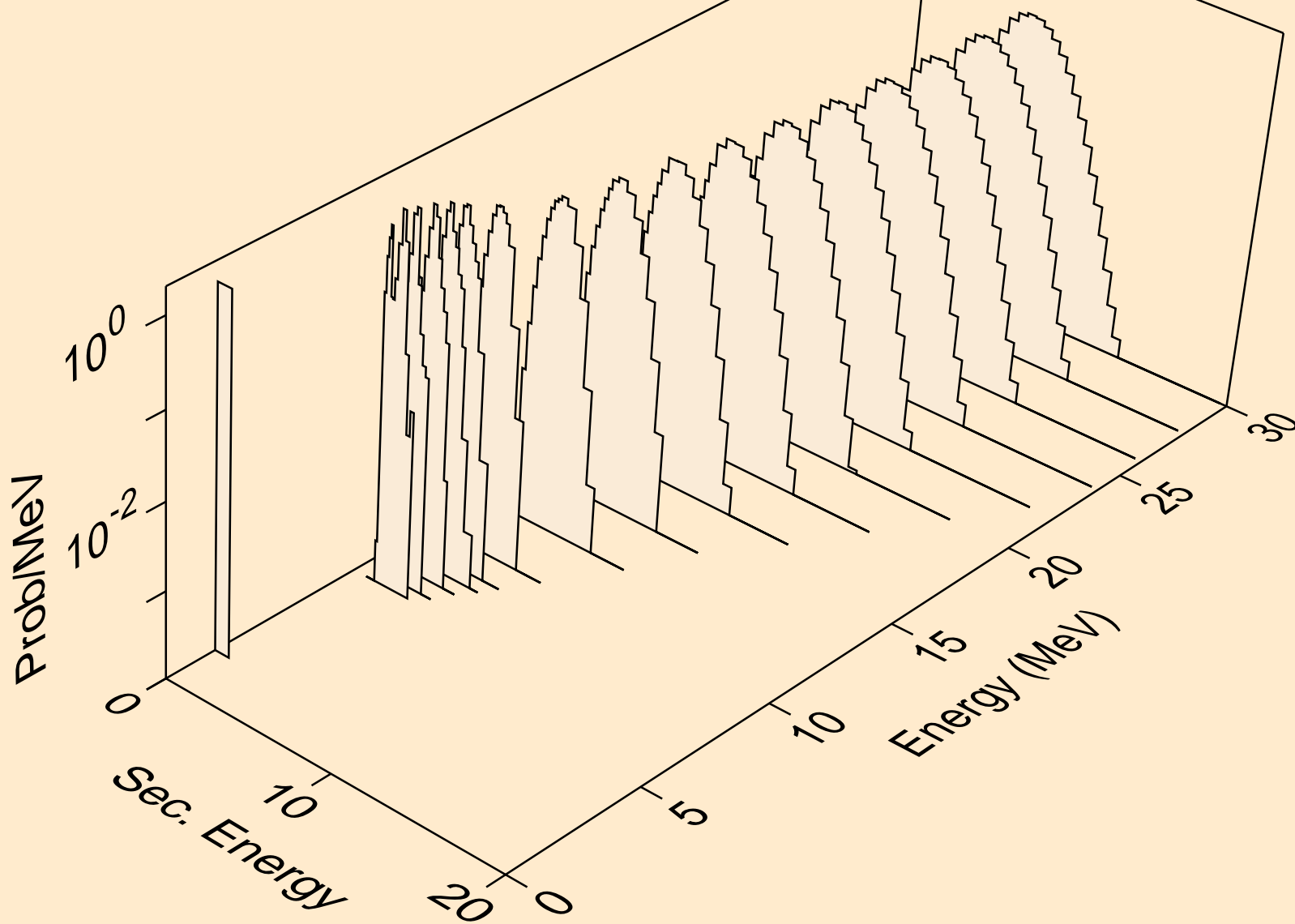
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protons from (n,2p)



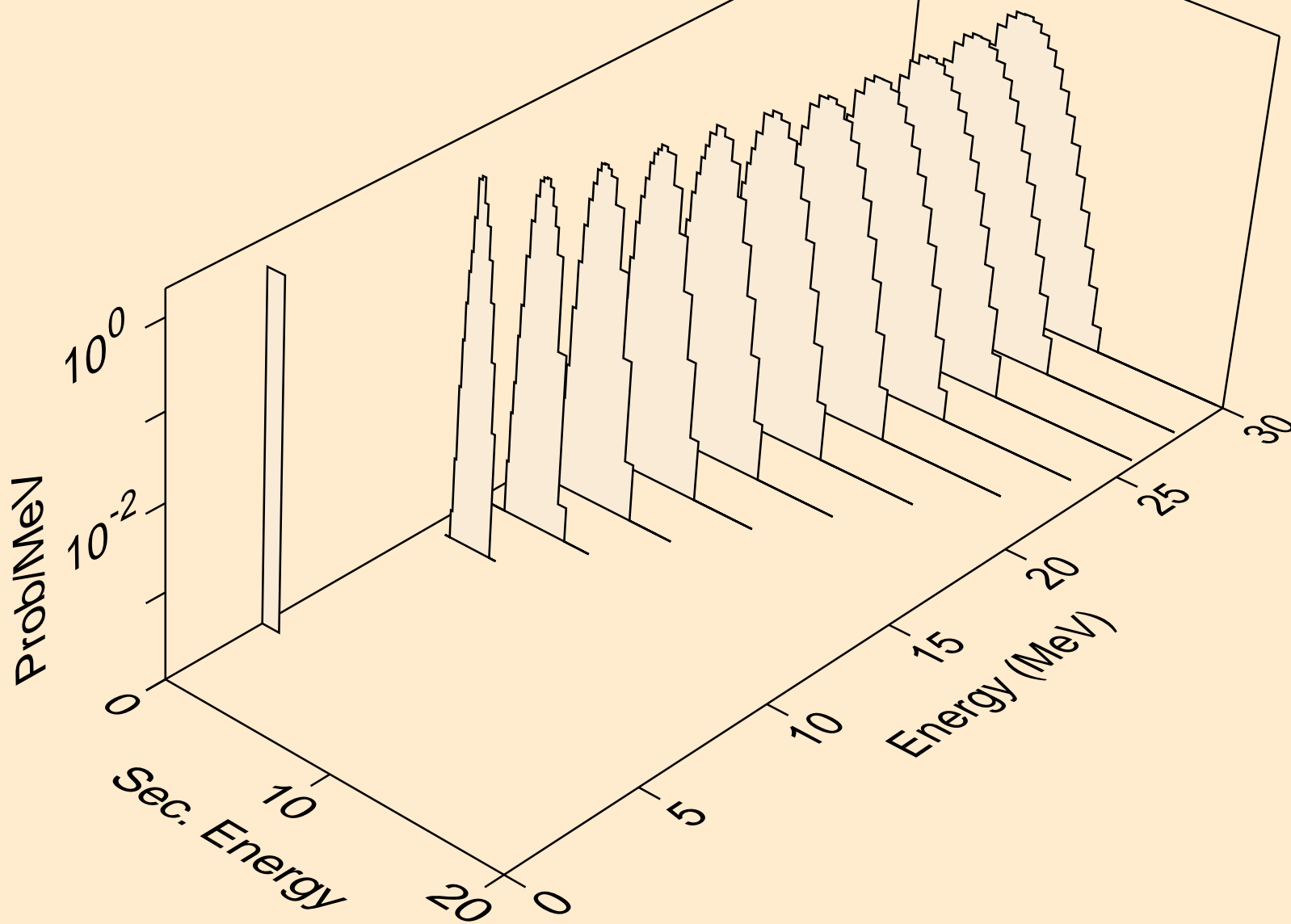
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protons from (n,p)



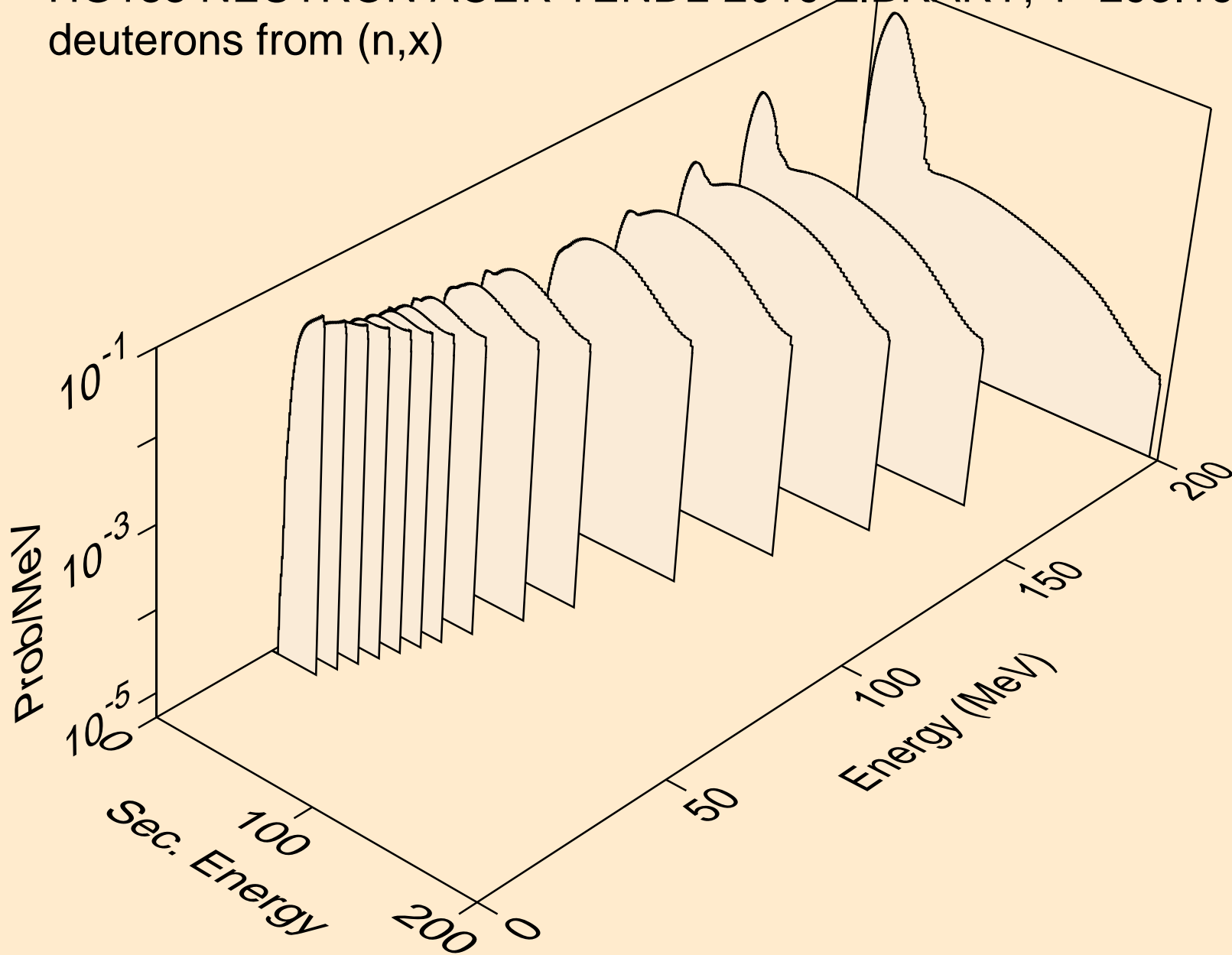
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



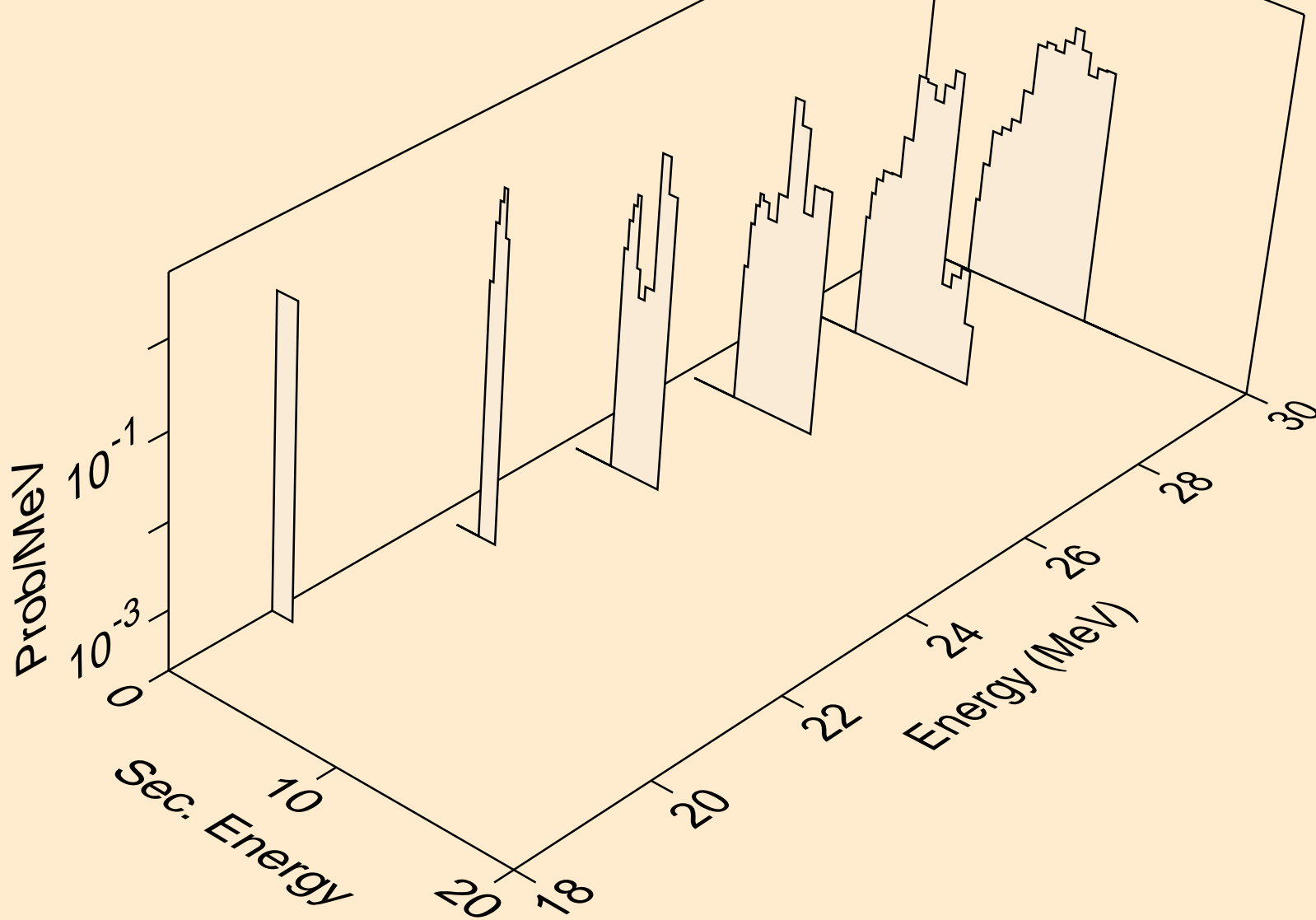
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



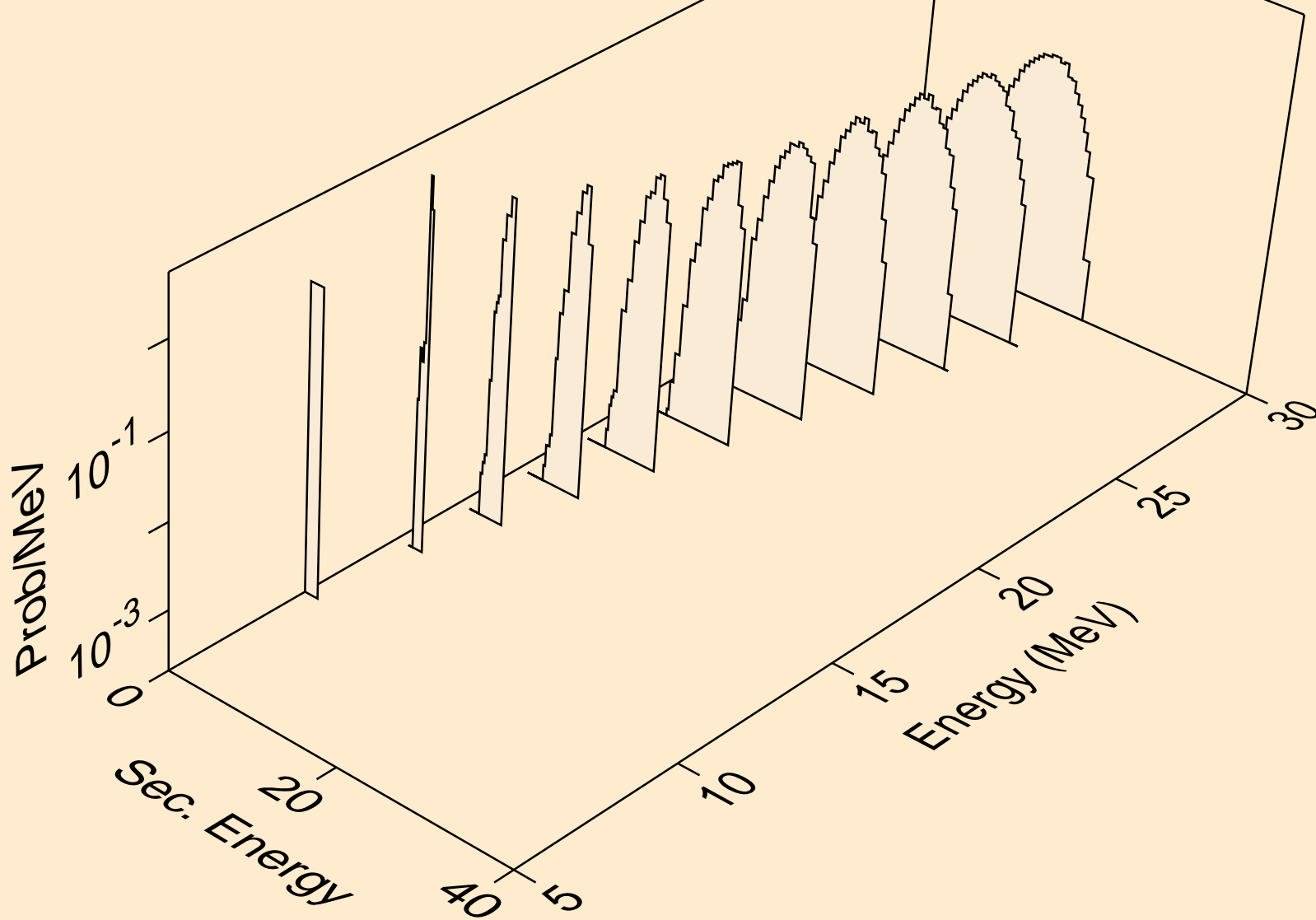
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



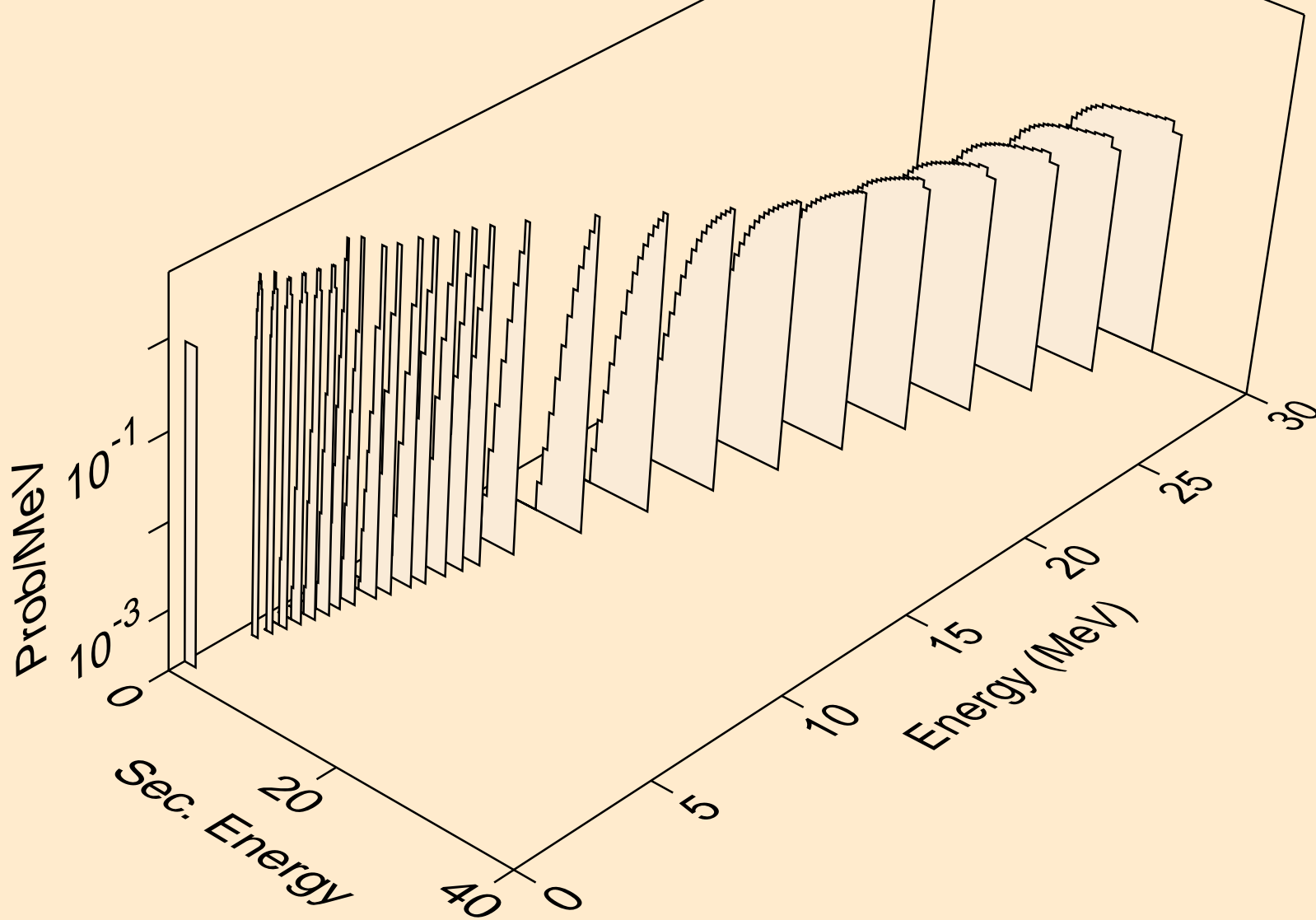
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deuterons from (n,2nd)



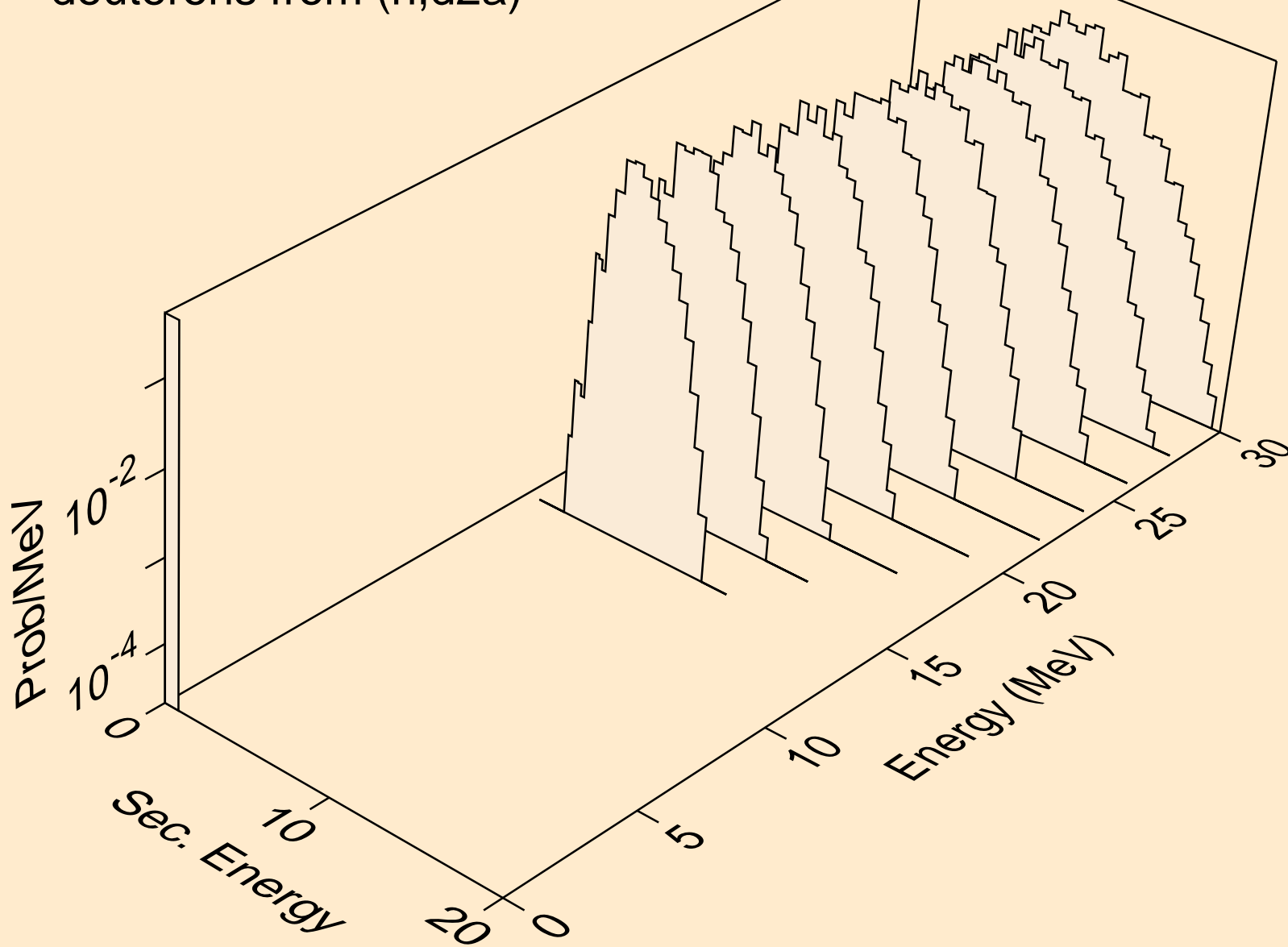
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



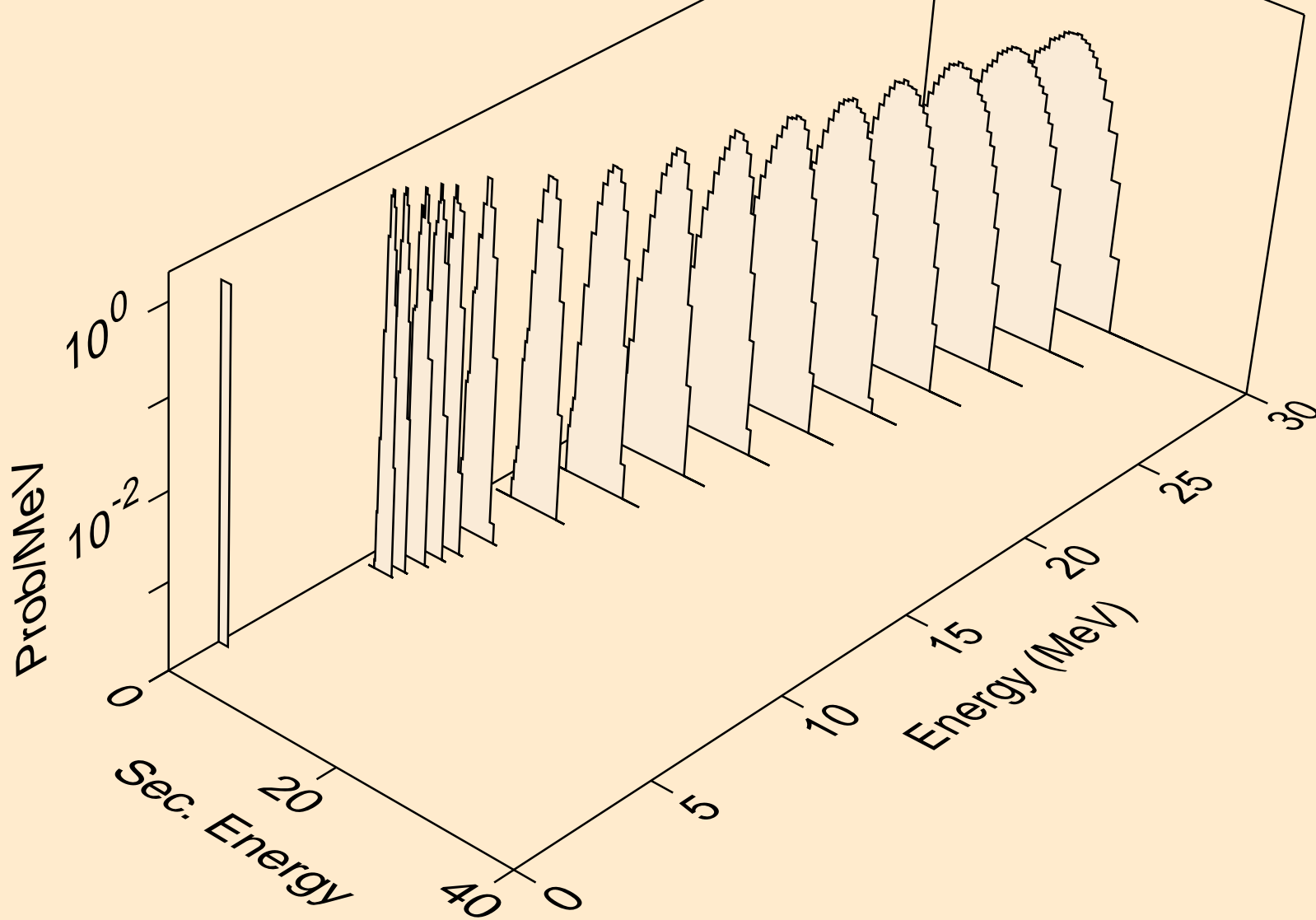
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deuterons from (n,d)



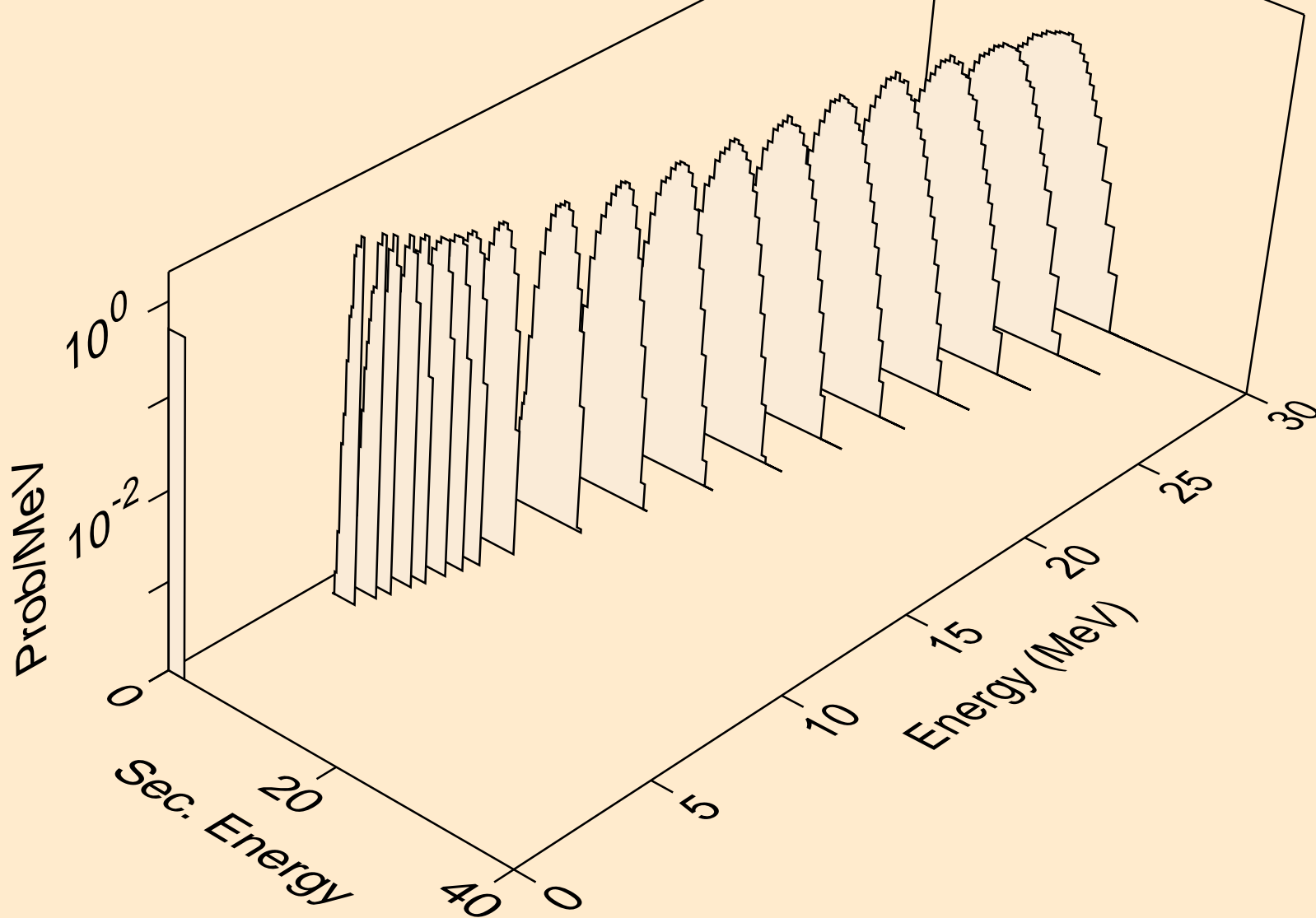
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d2a)



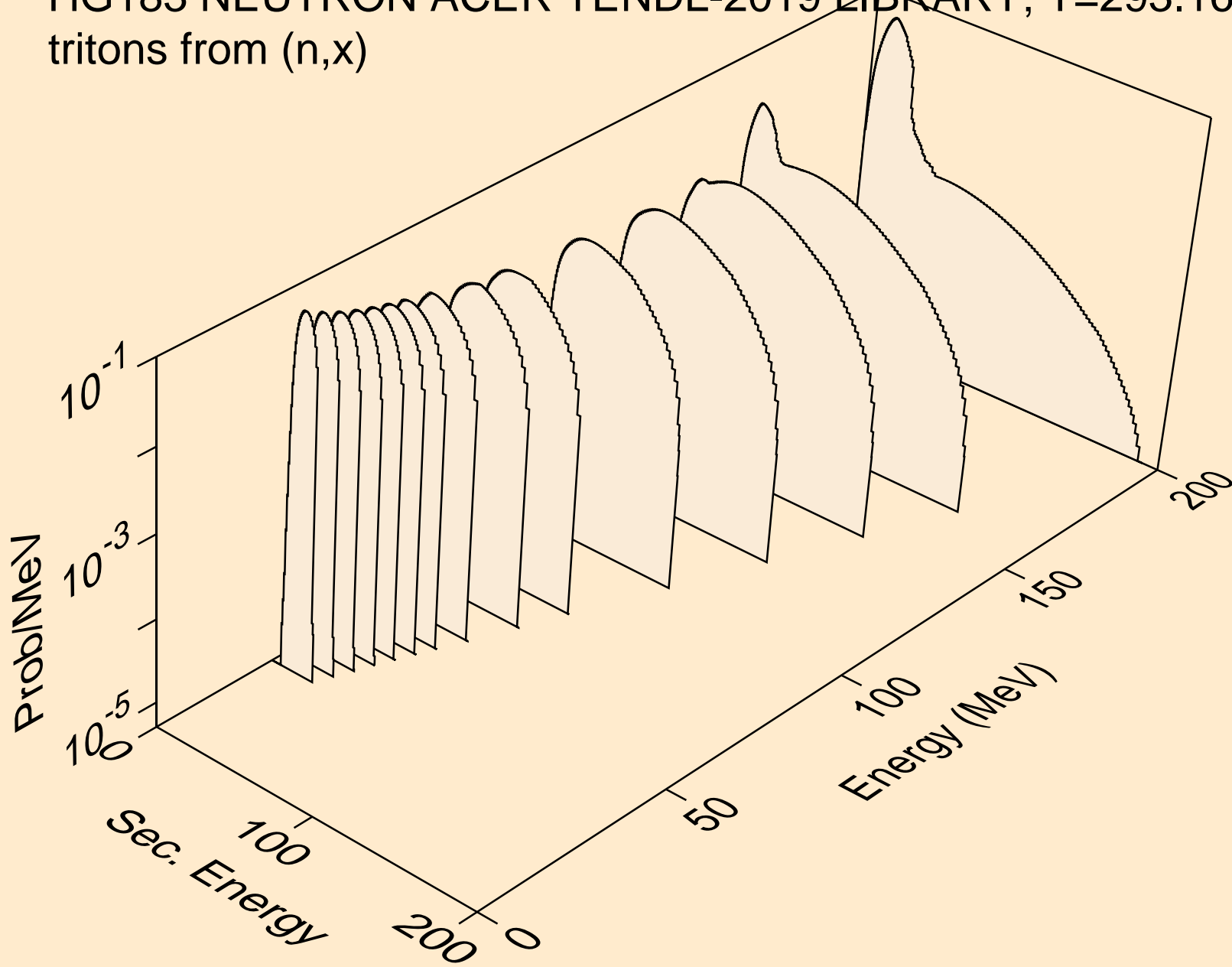
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deuterons from (n,pd)



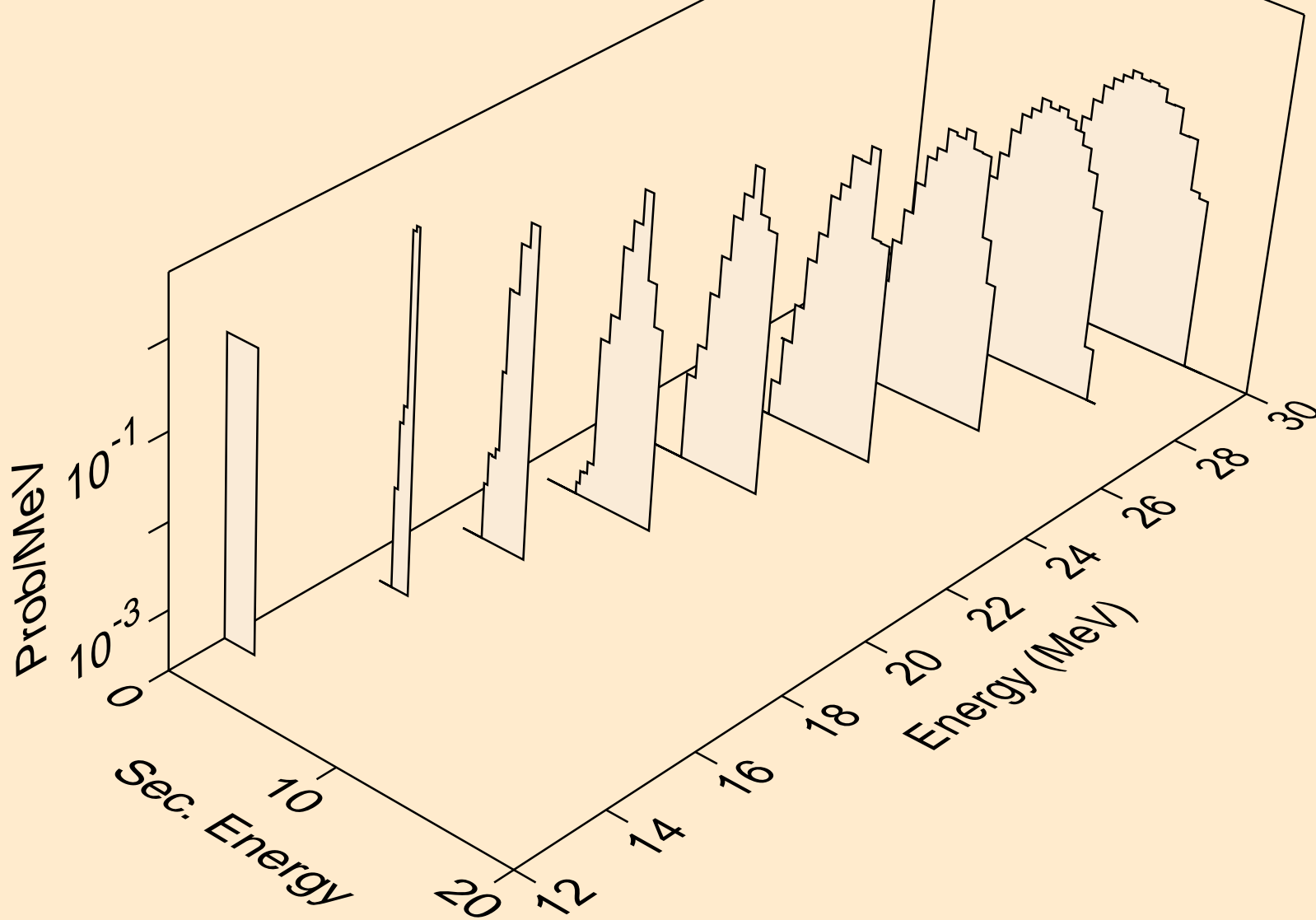
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deuterons from (n,da)



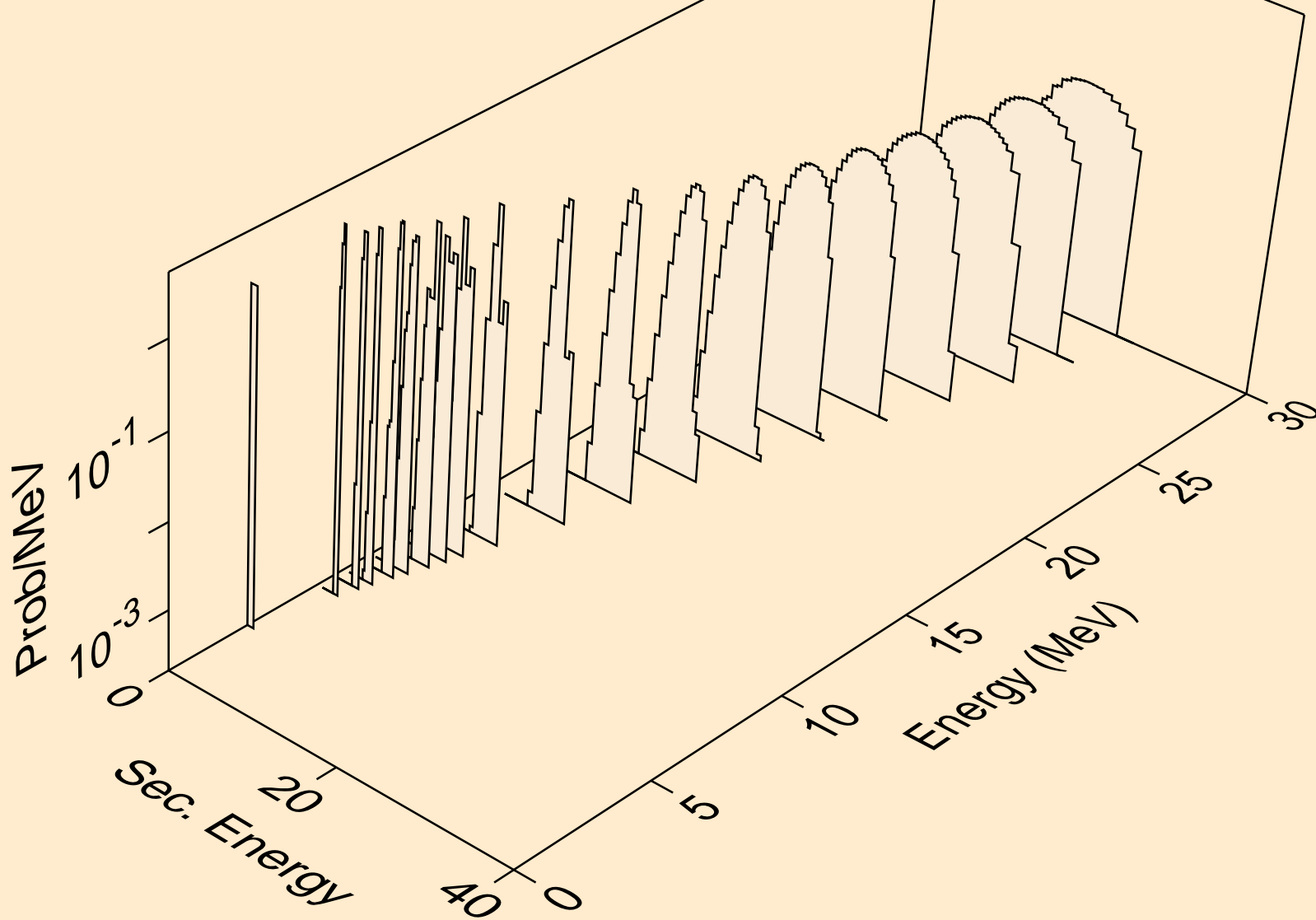
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



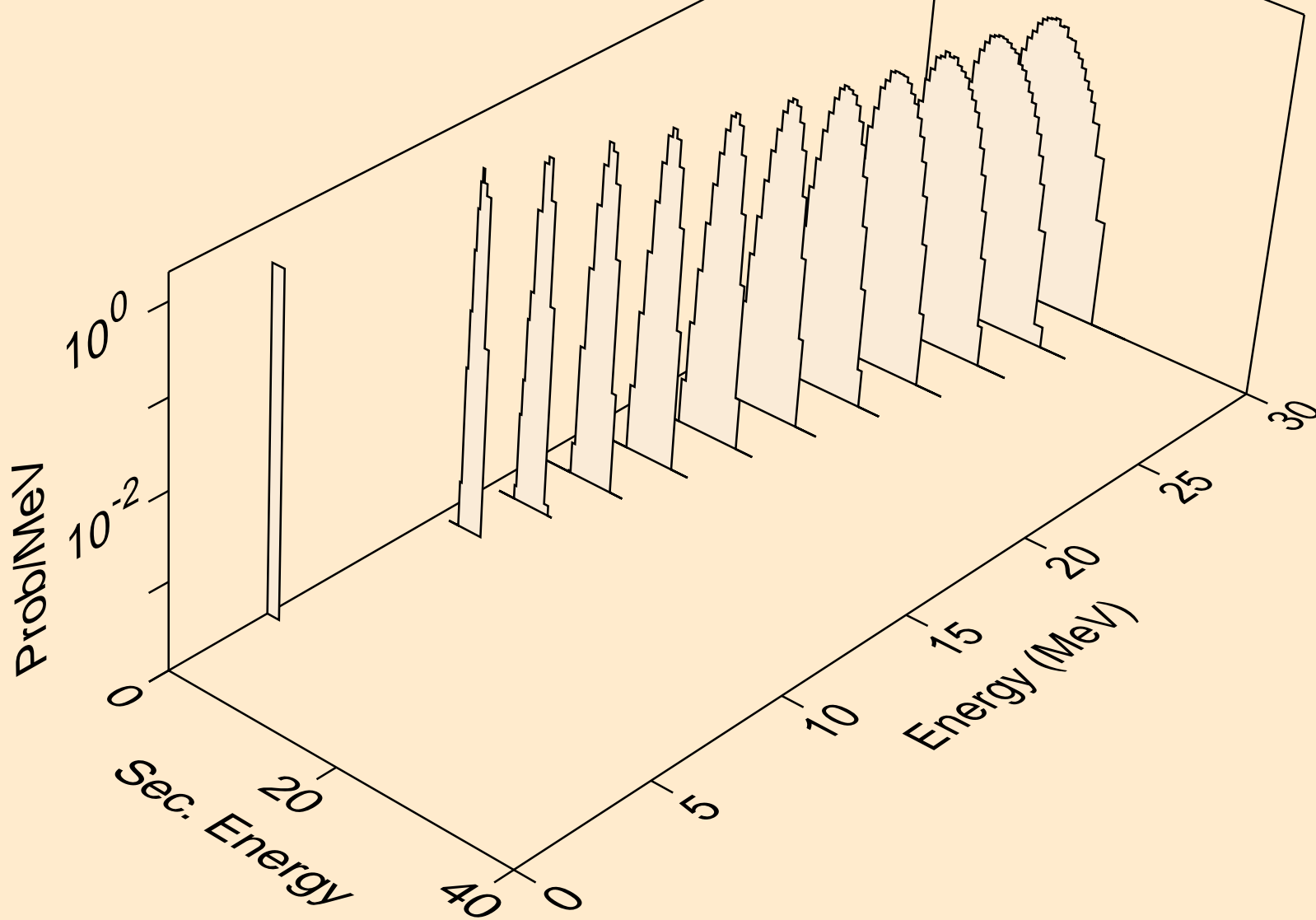
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



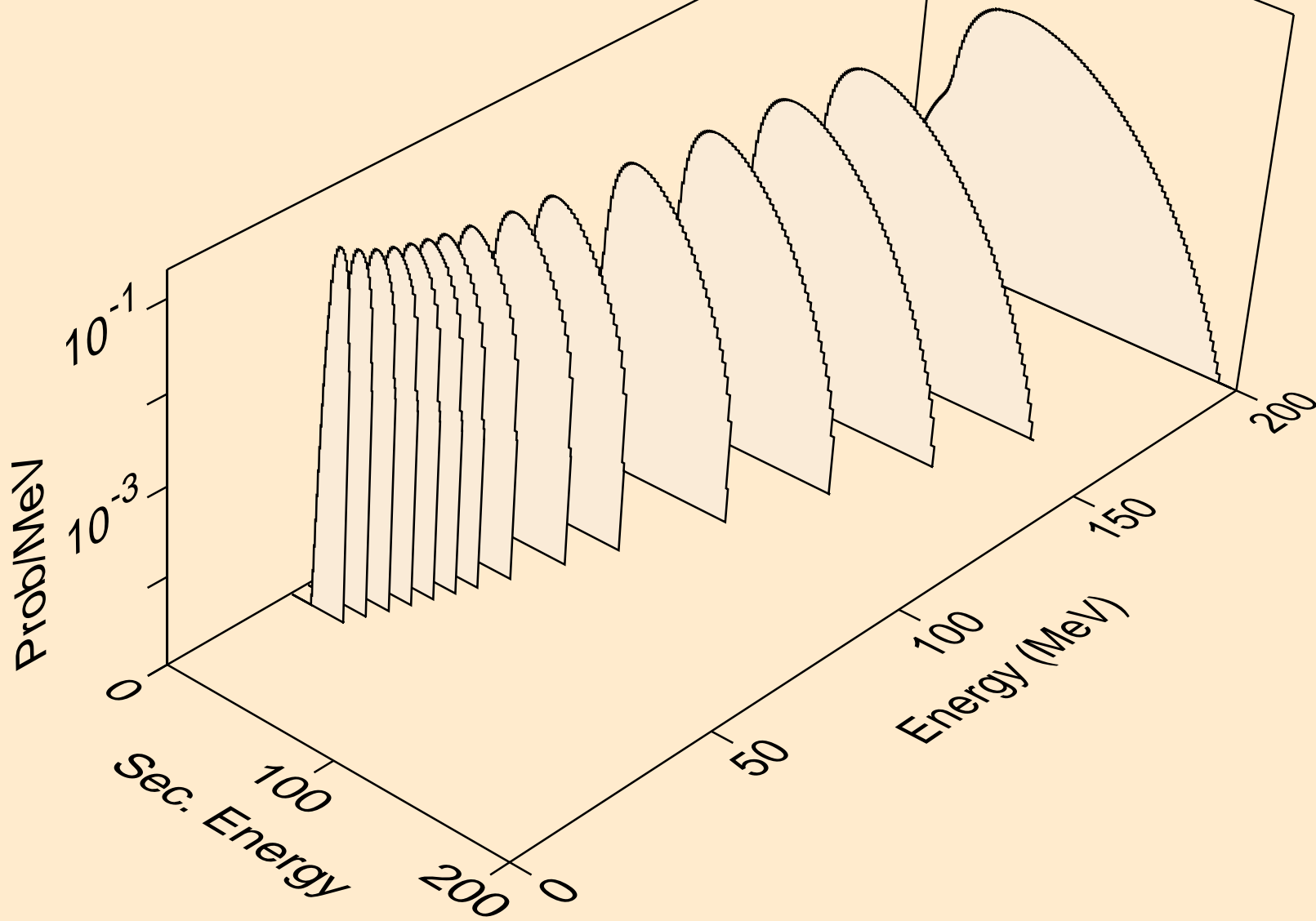
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tritons from (n,t)



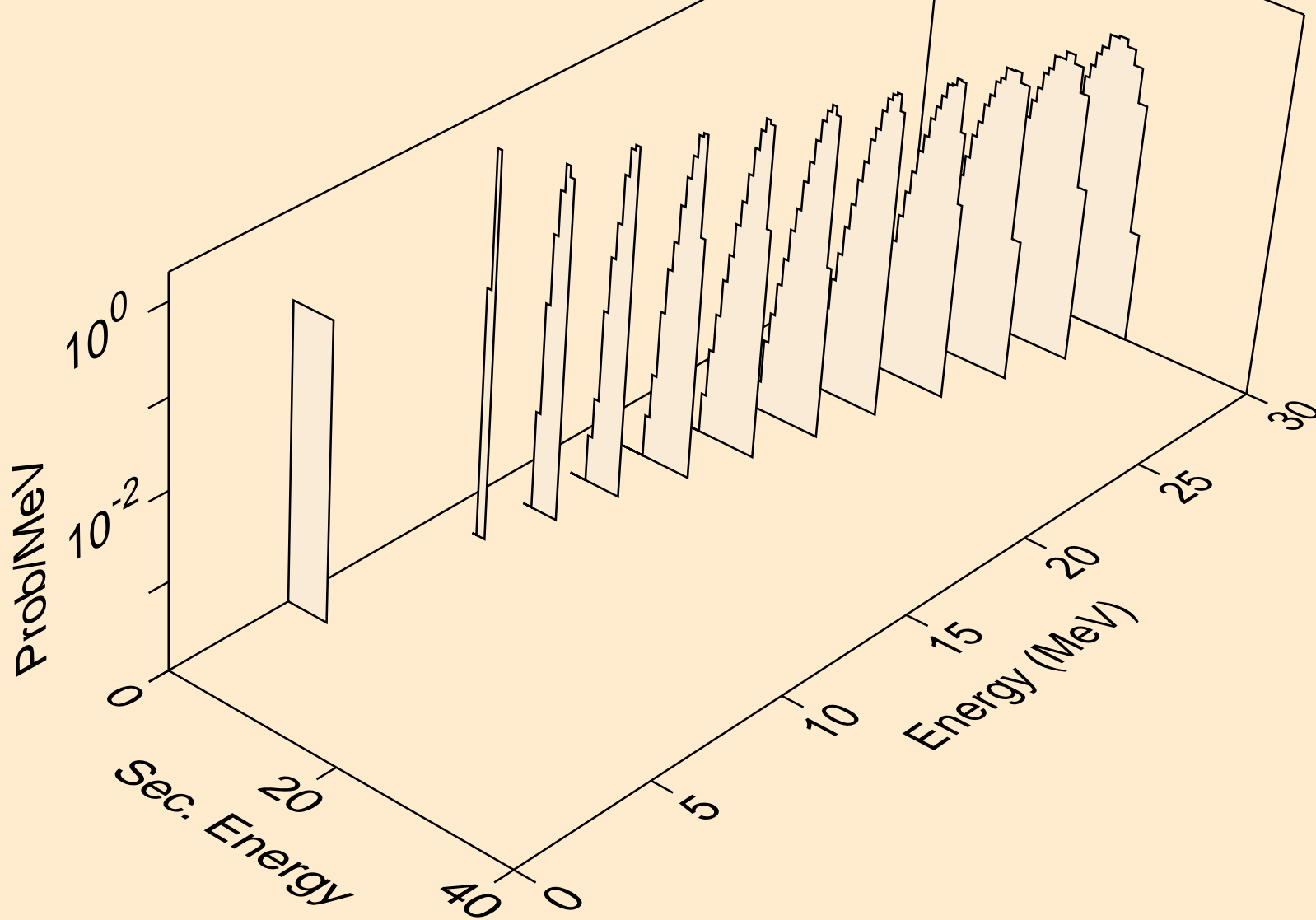
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tritons from (n,pt)



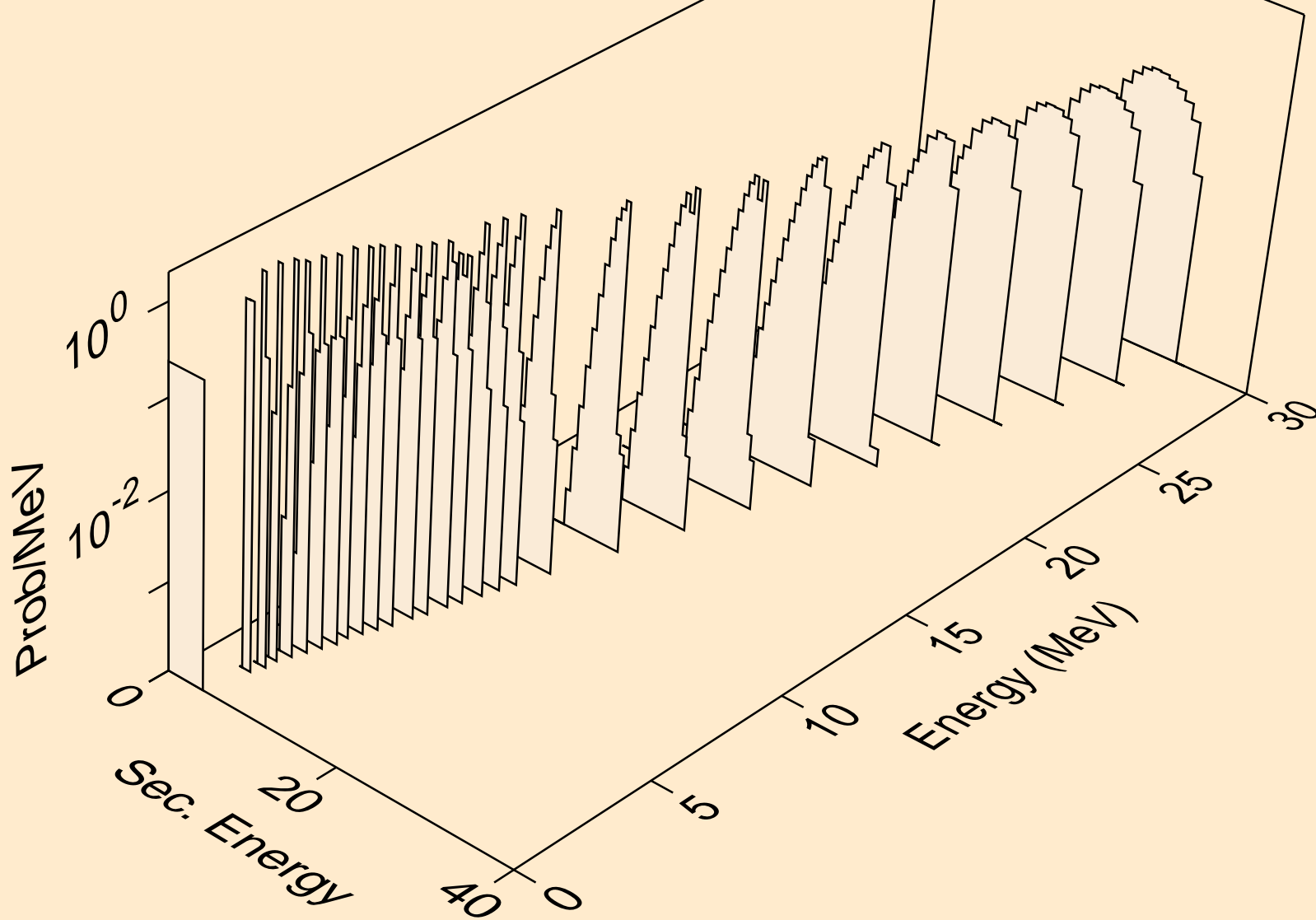
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



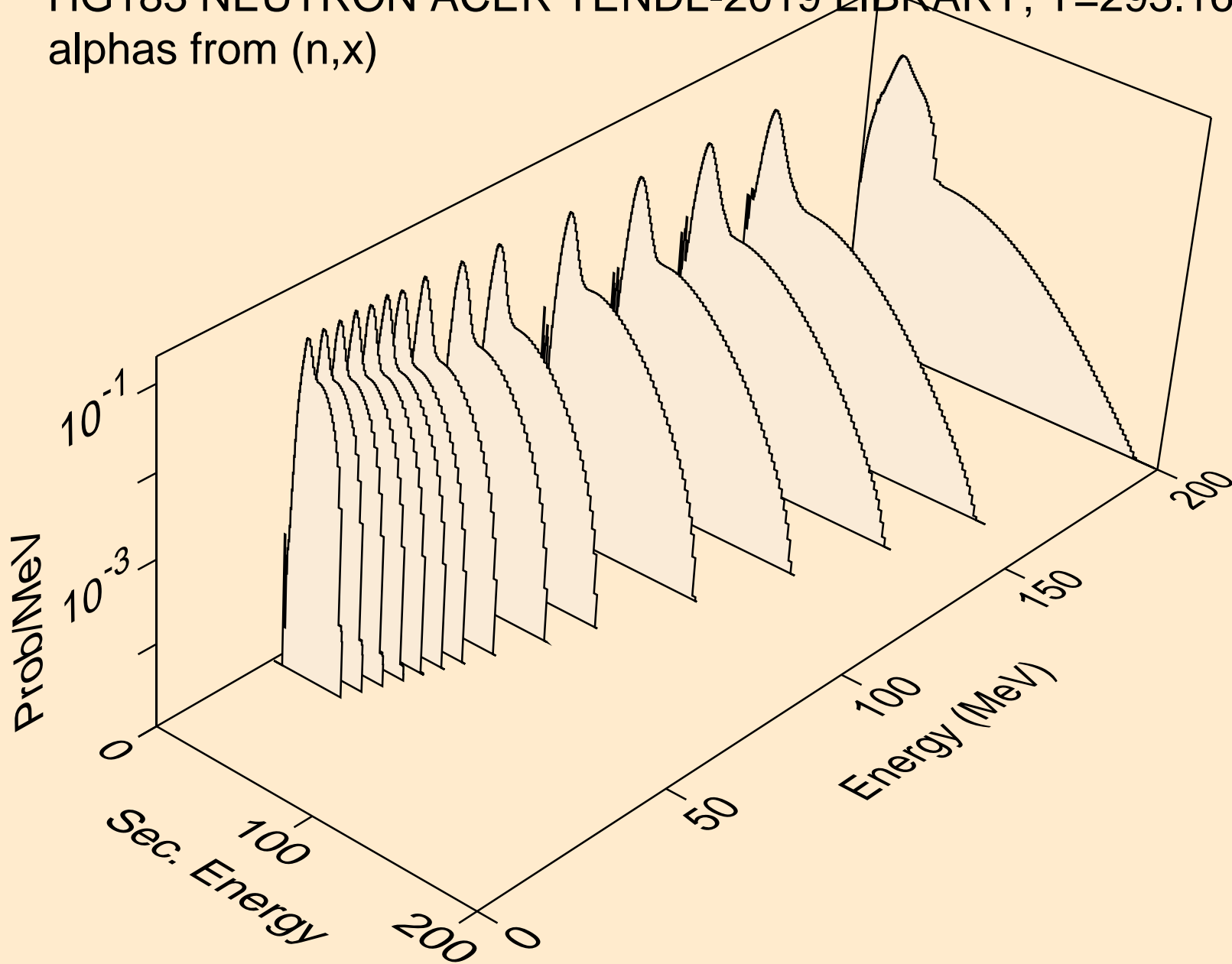
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he3s from (n,n*)he3



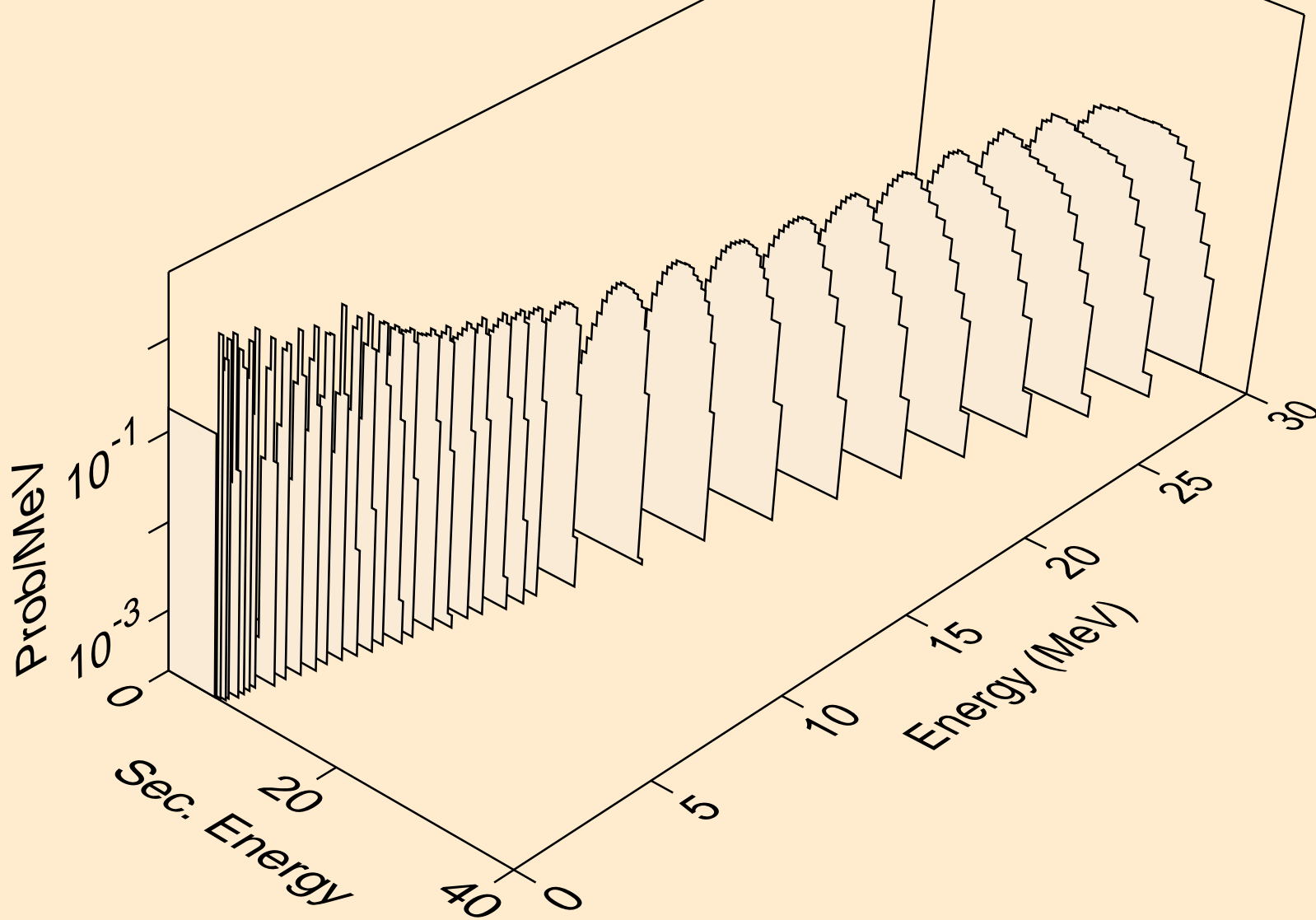
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,he3)



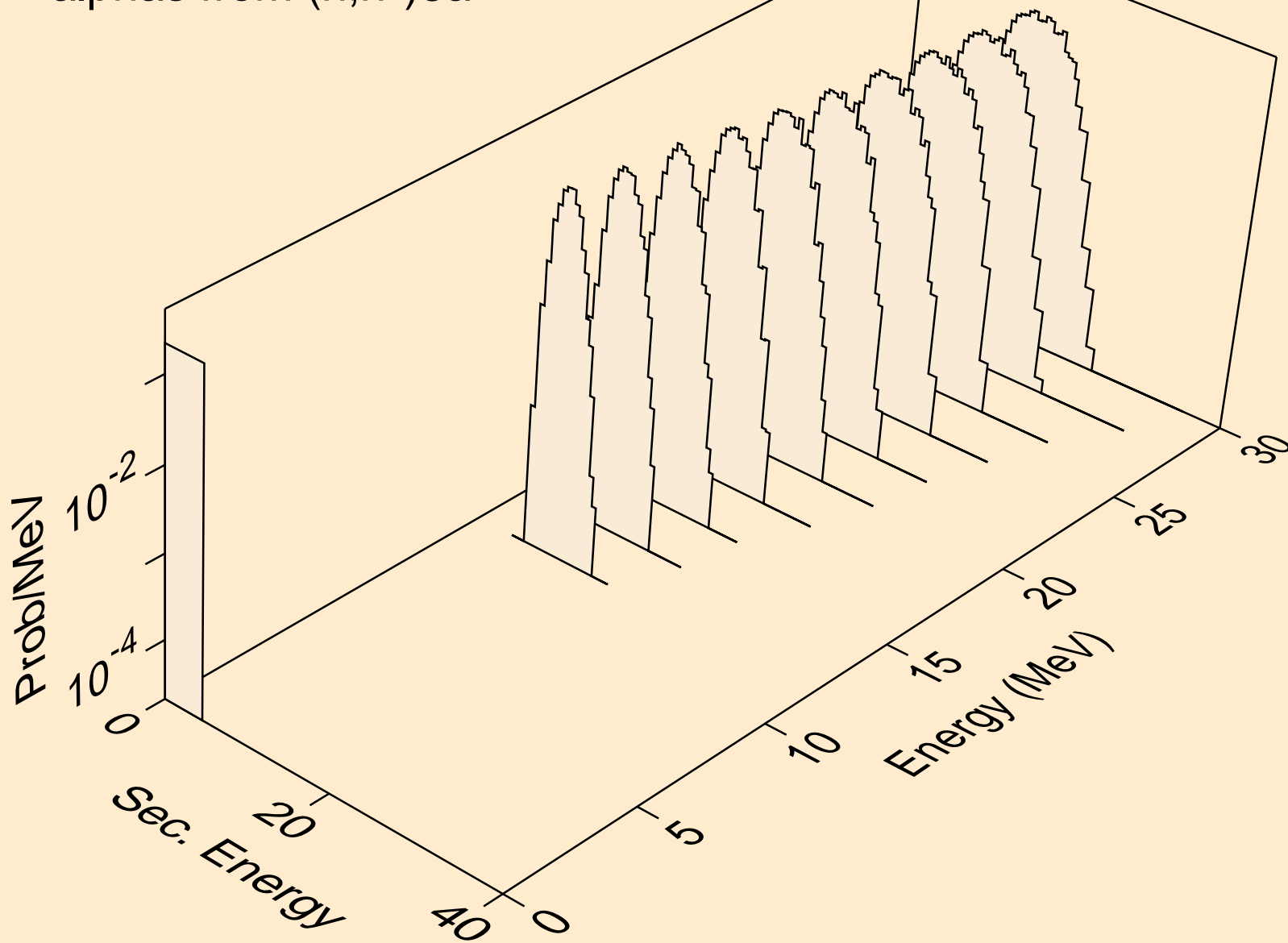
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



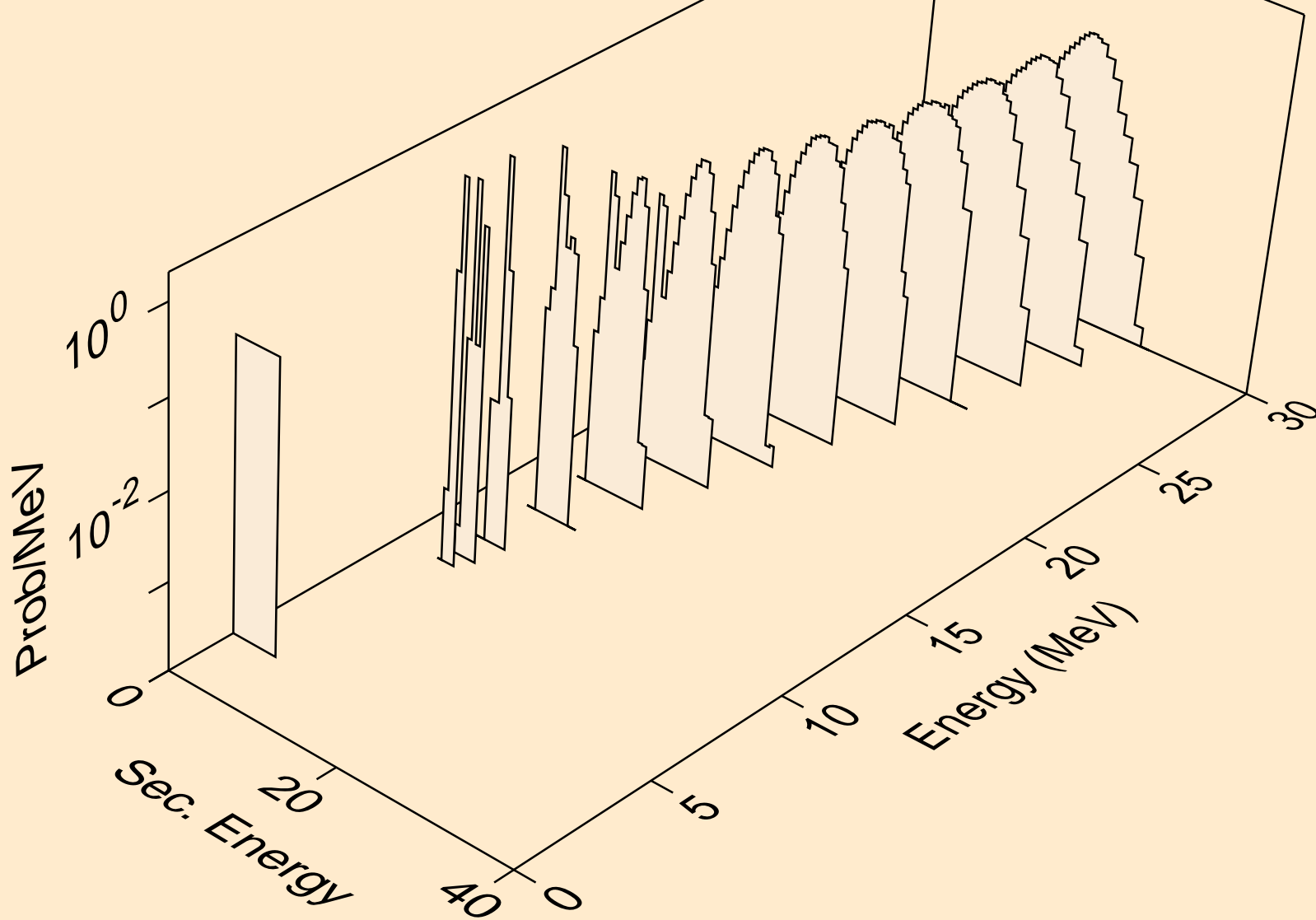
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



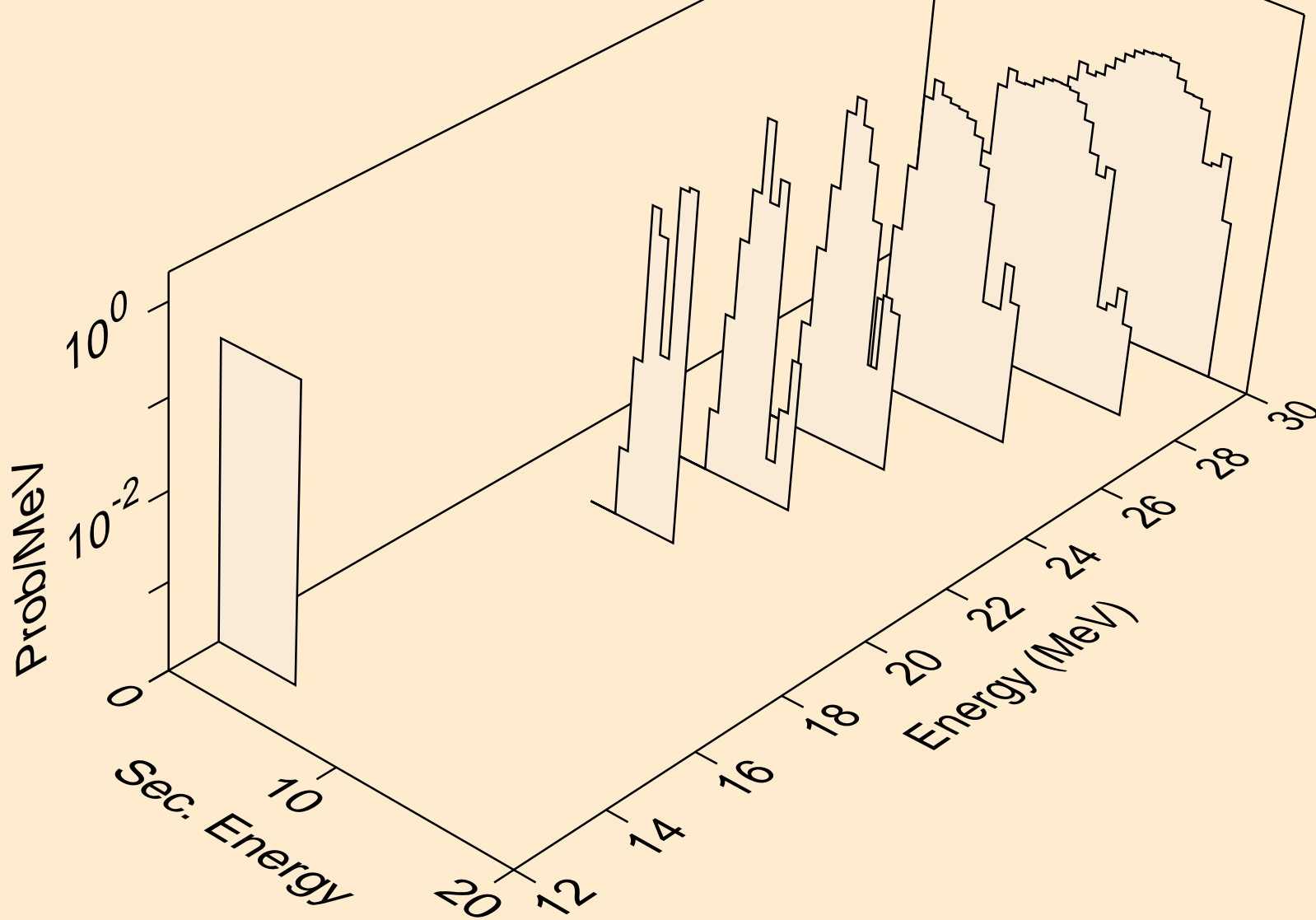
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)3a



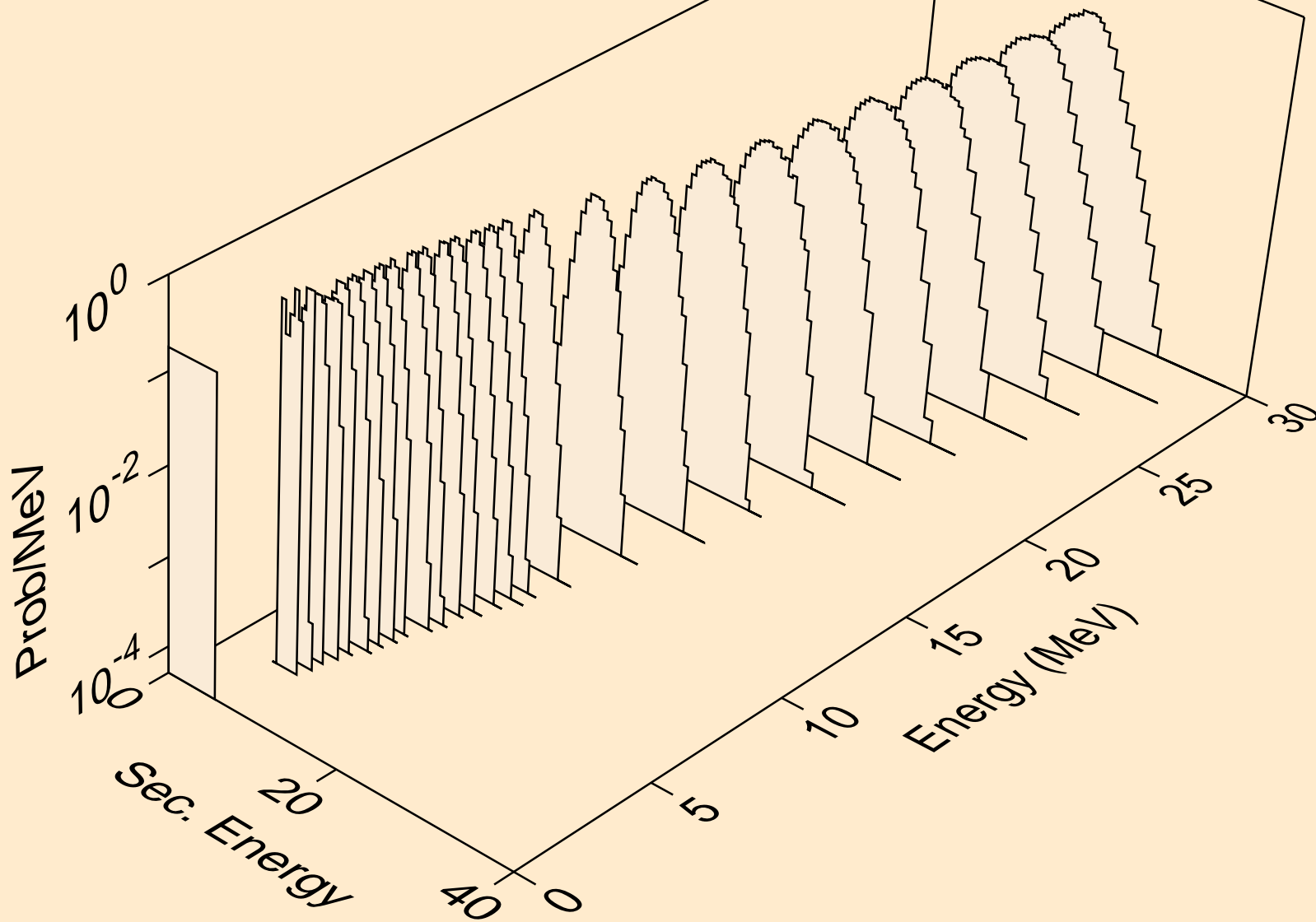
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alphas from (n,2n)a



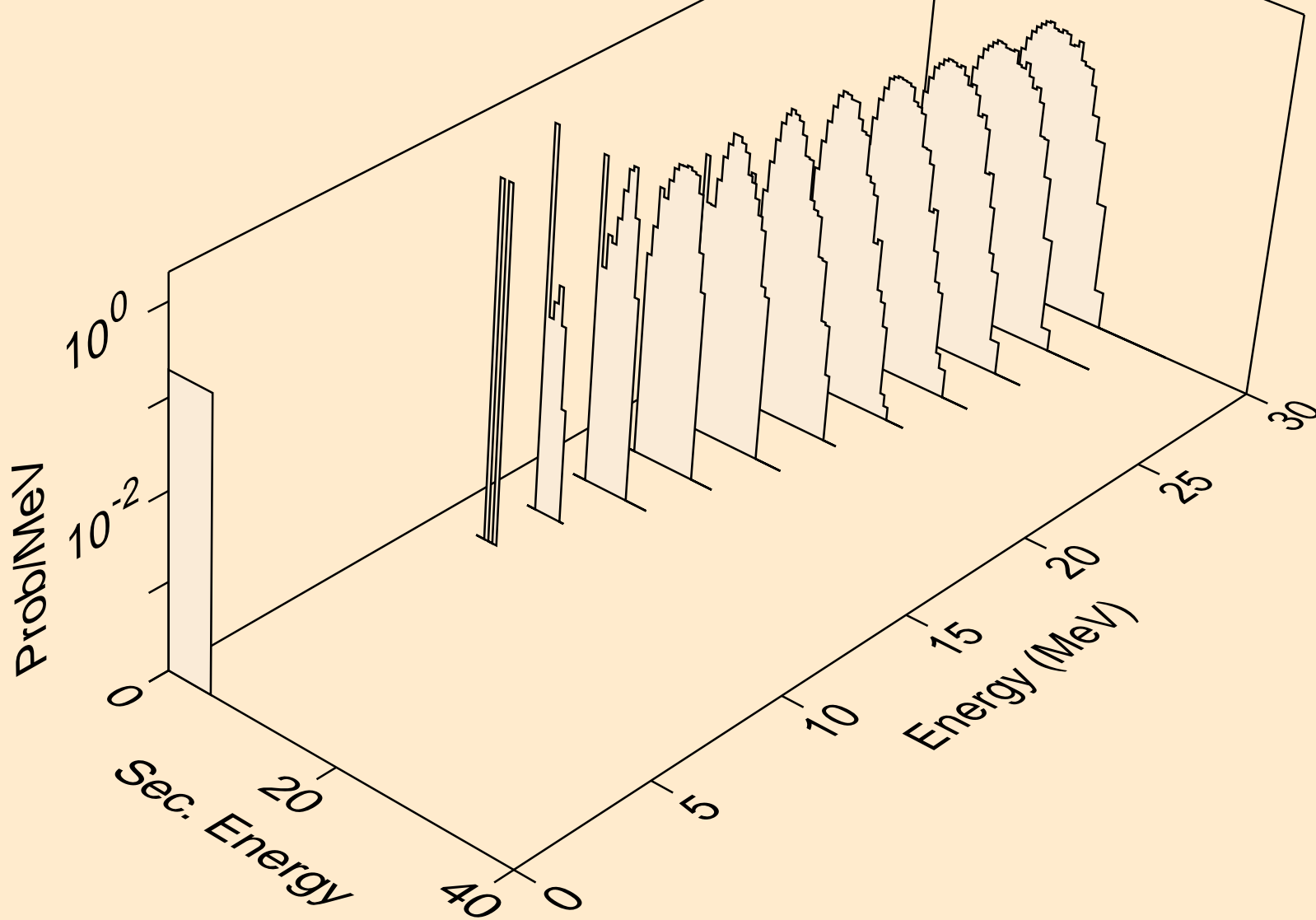
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alphas from (n,3n)a



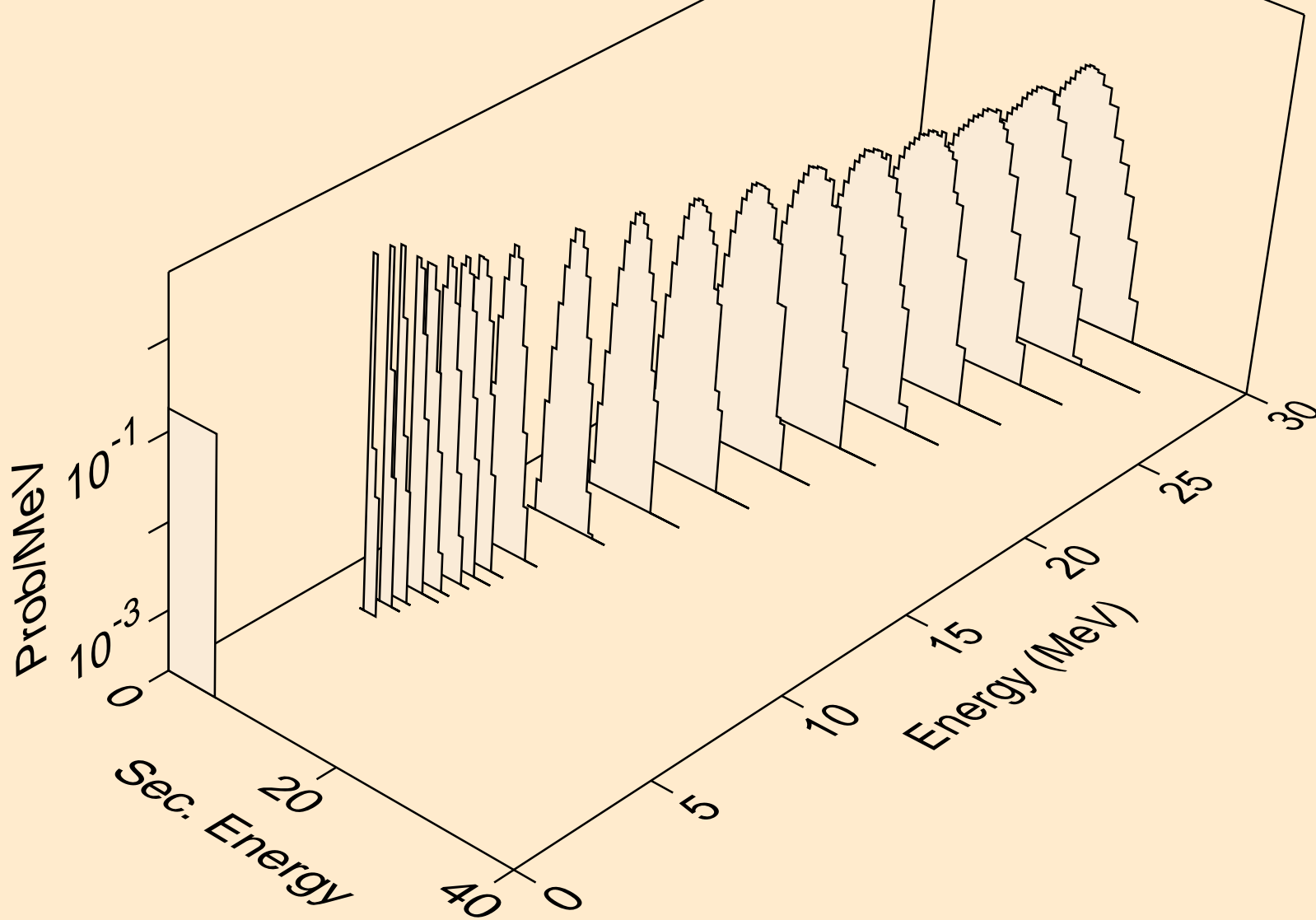
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



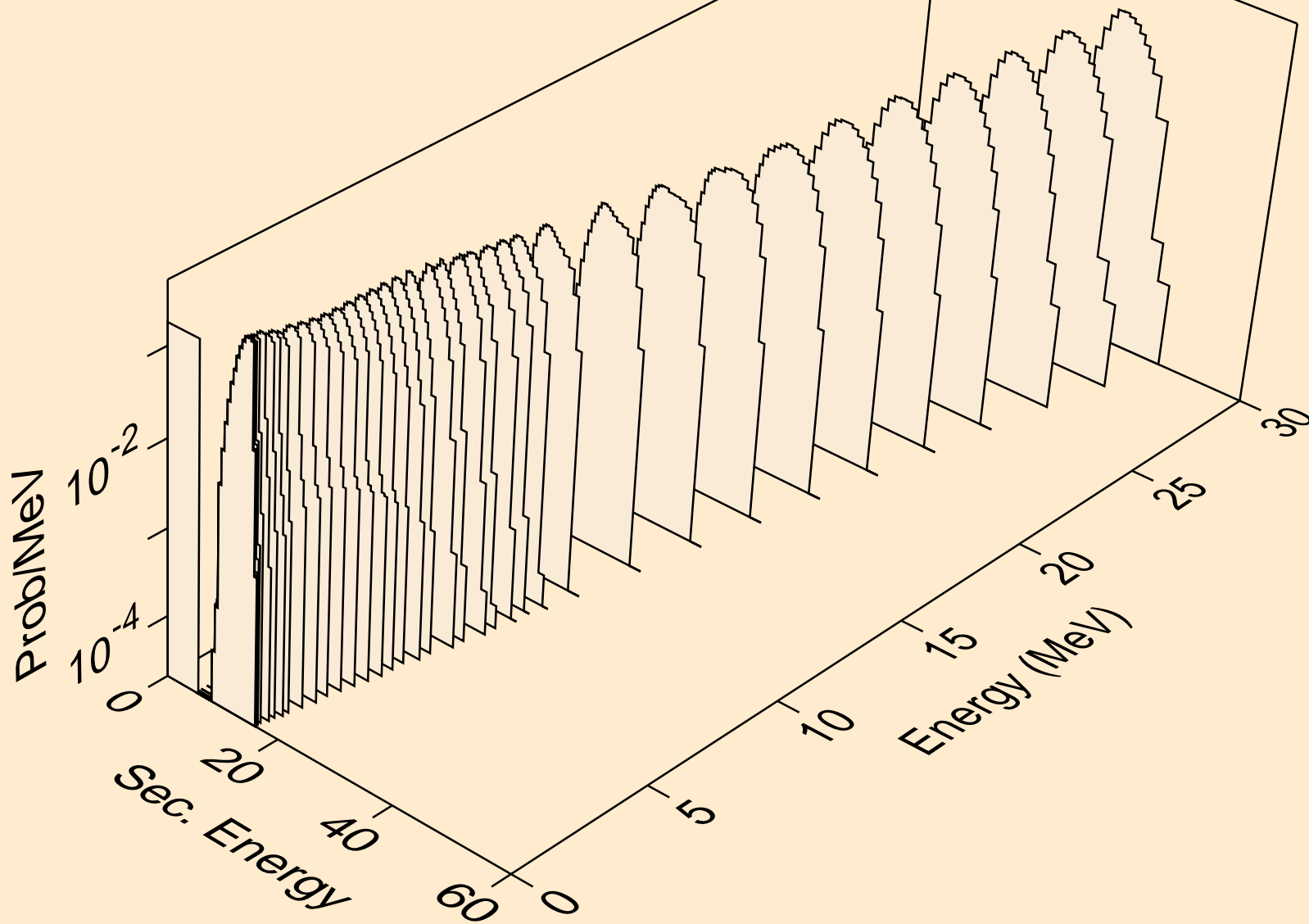
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)2a



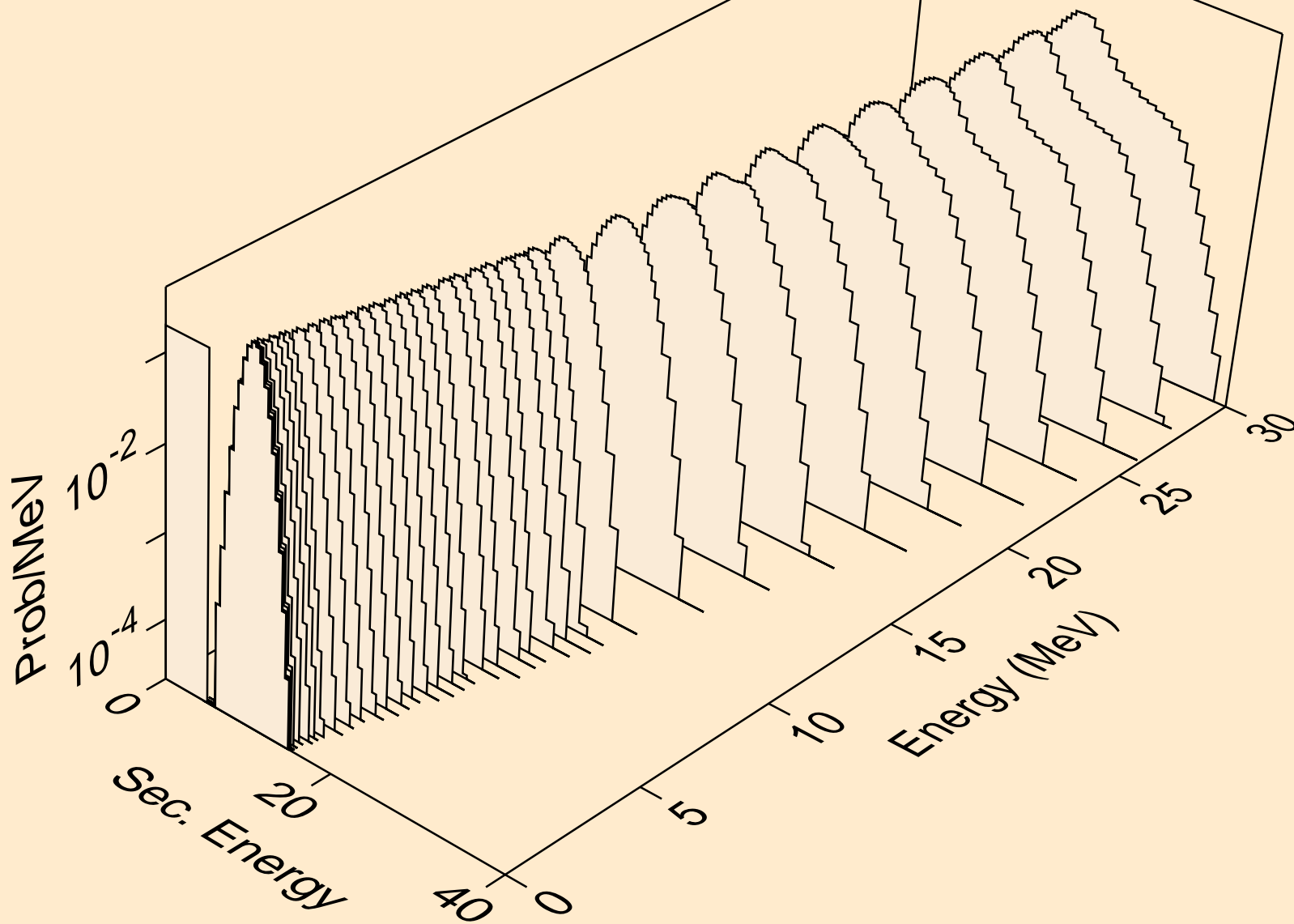
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



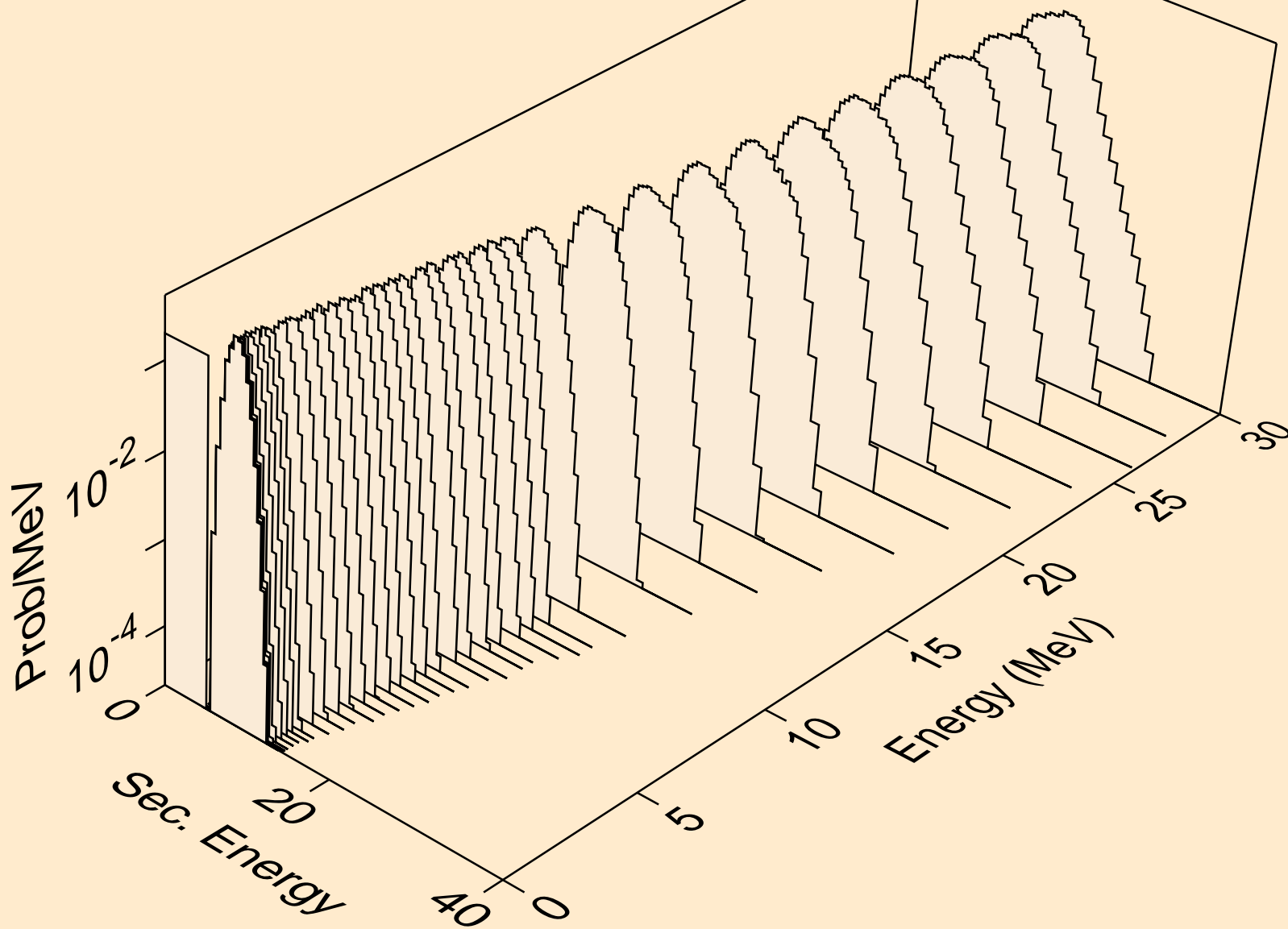
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



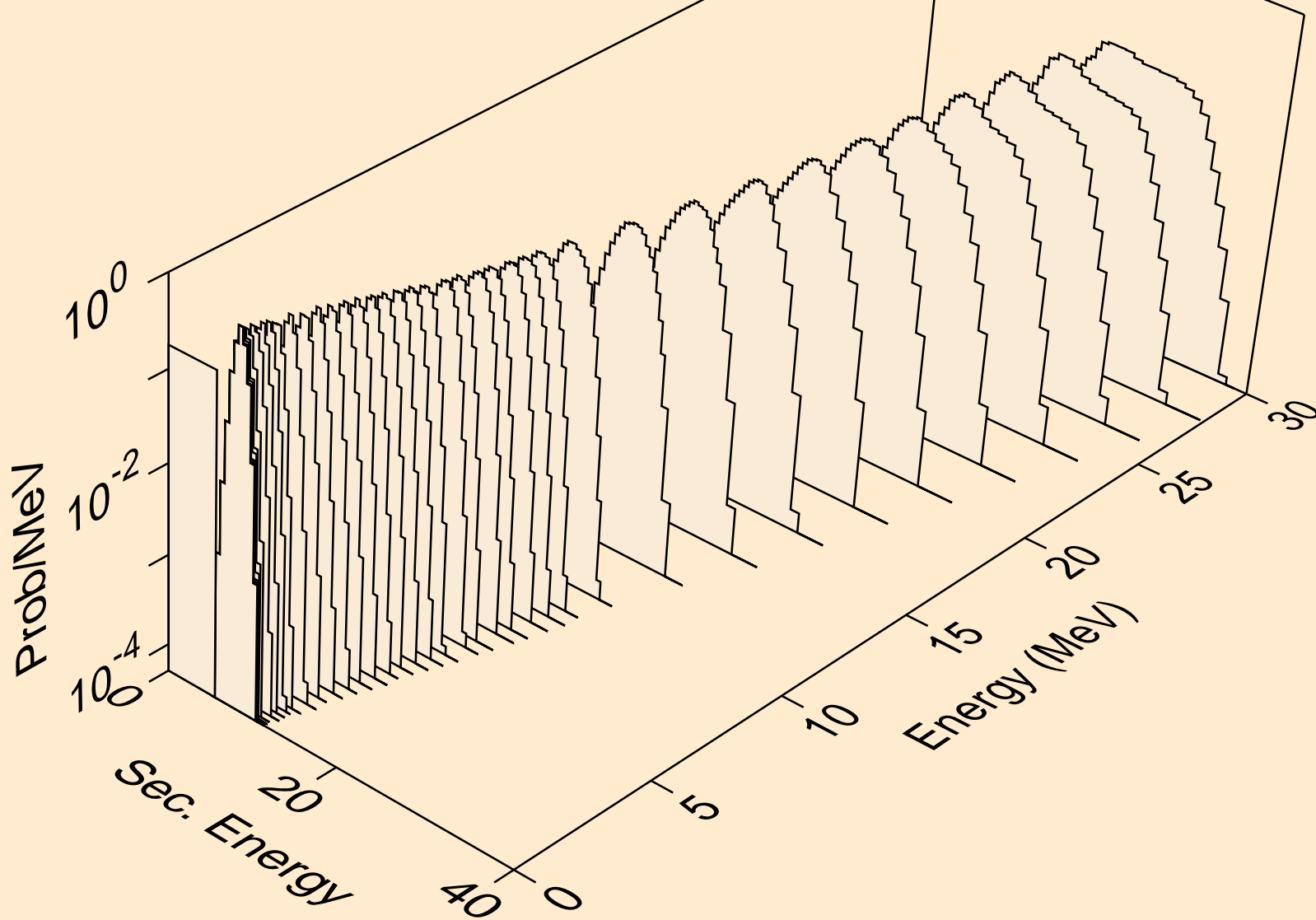
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



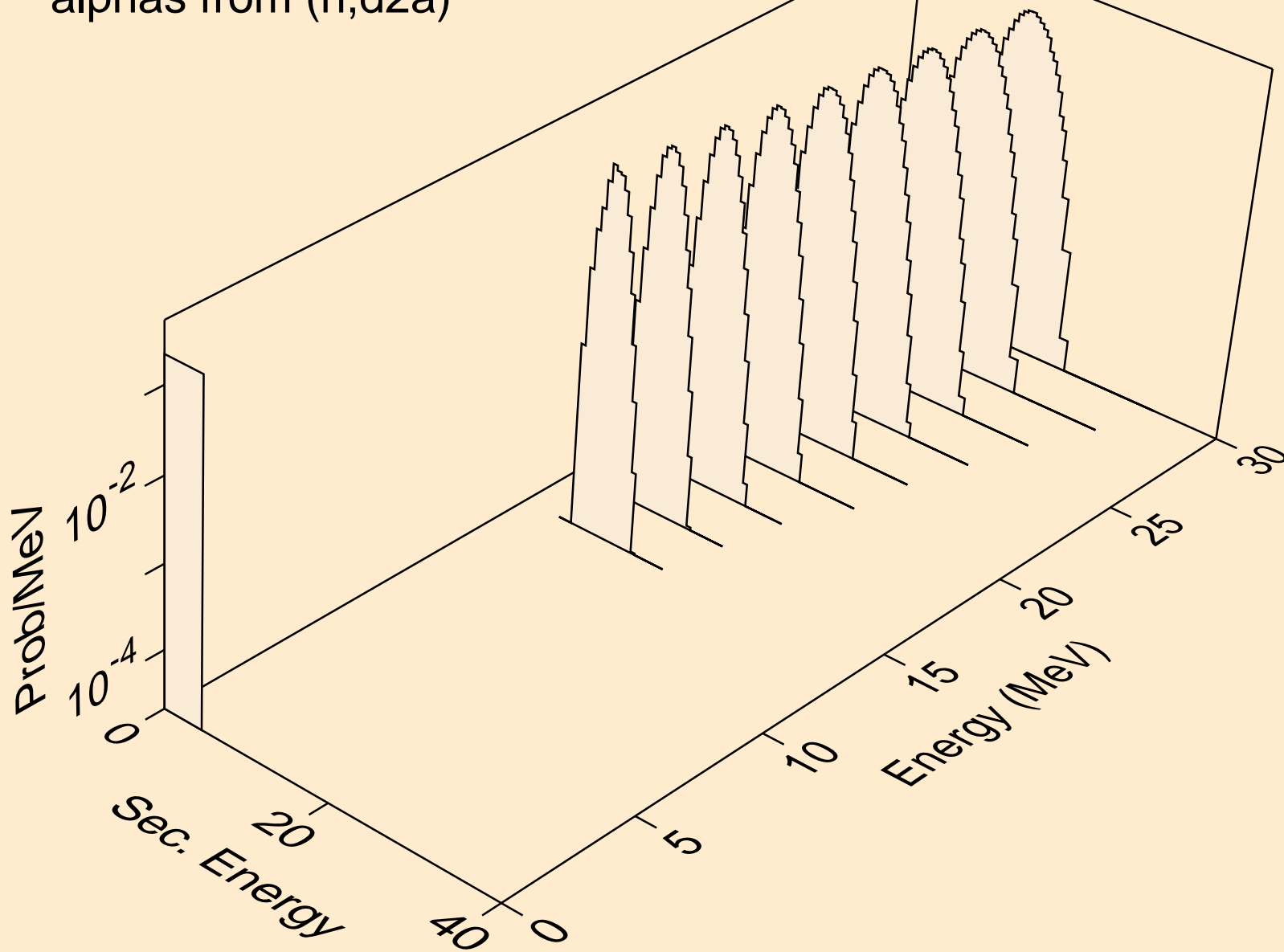
HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3a)



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,d2a)



HG183 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

