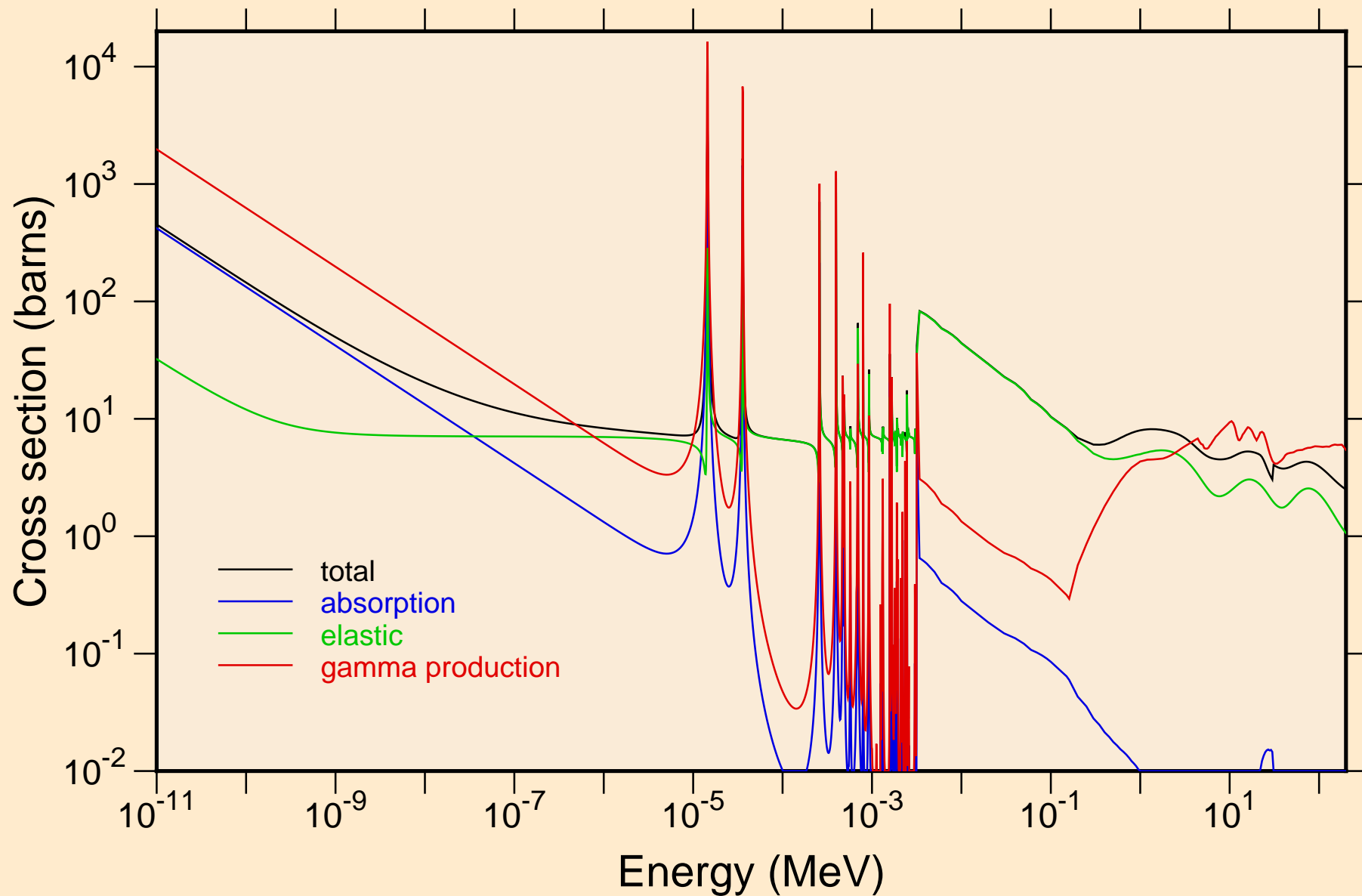
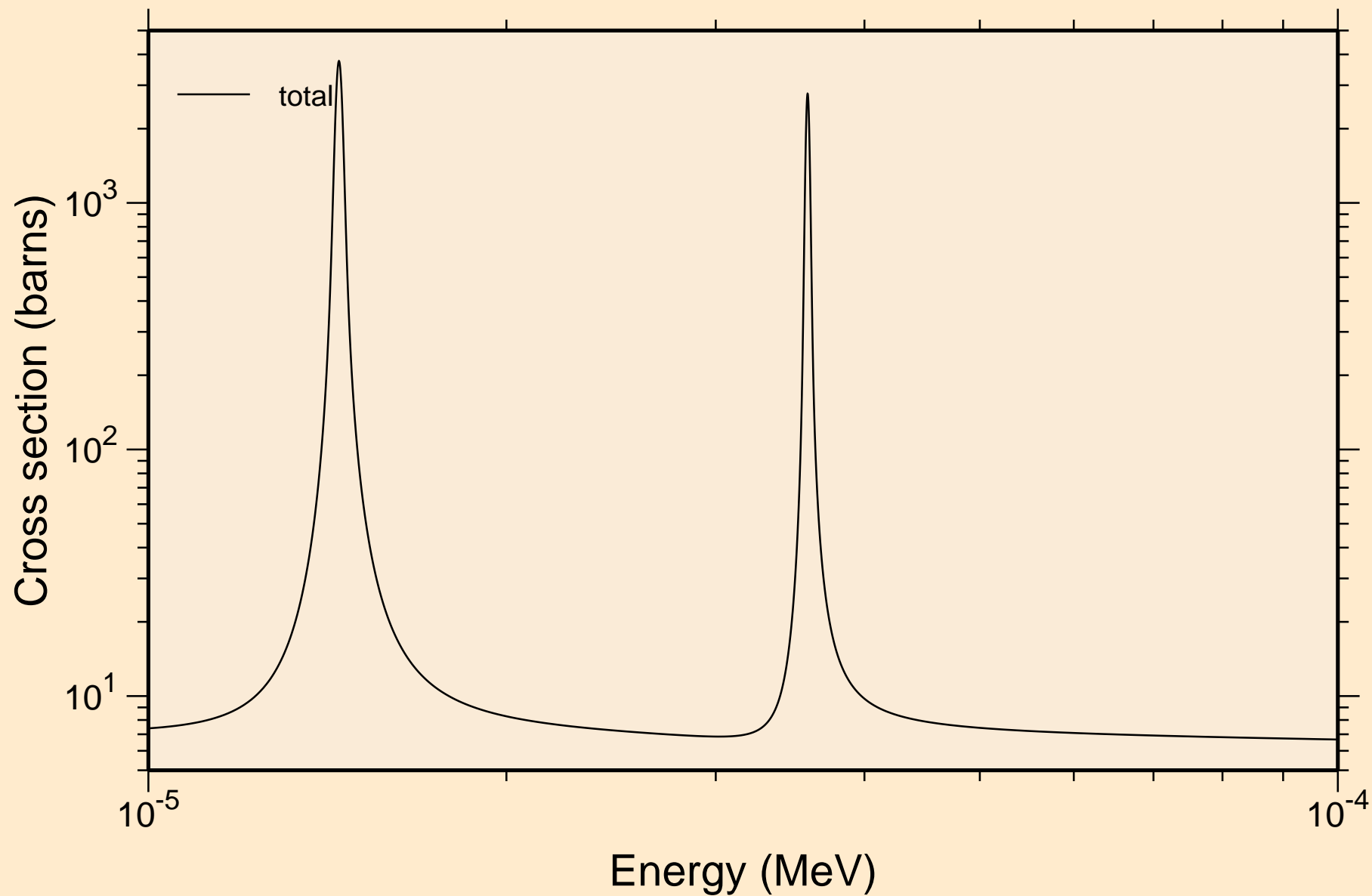


SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

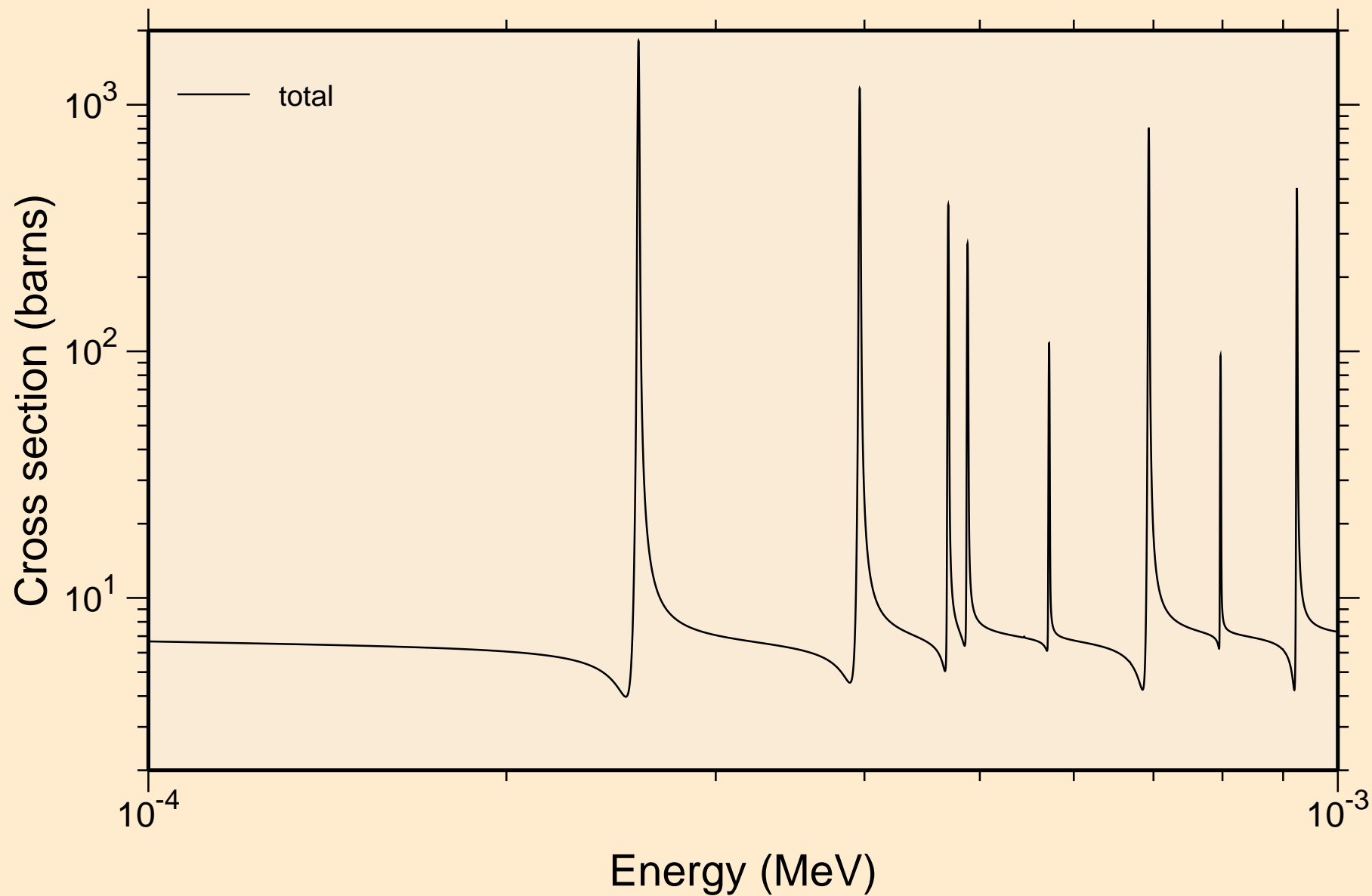
Principal cross sections



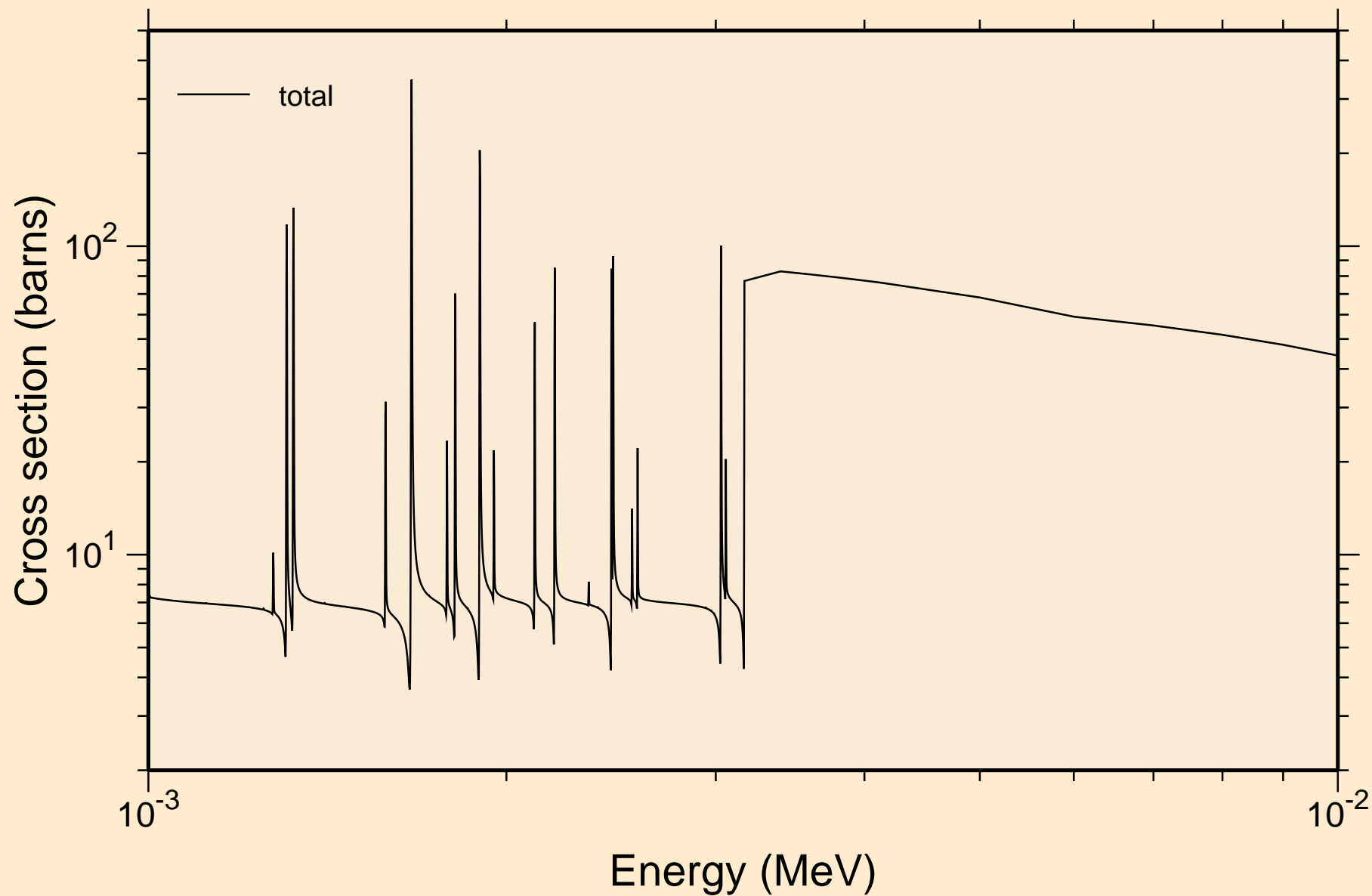
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



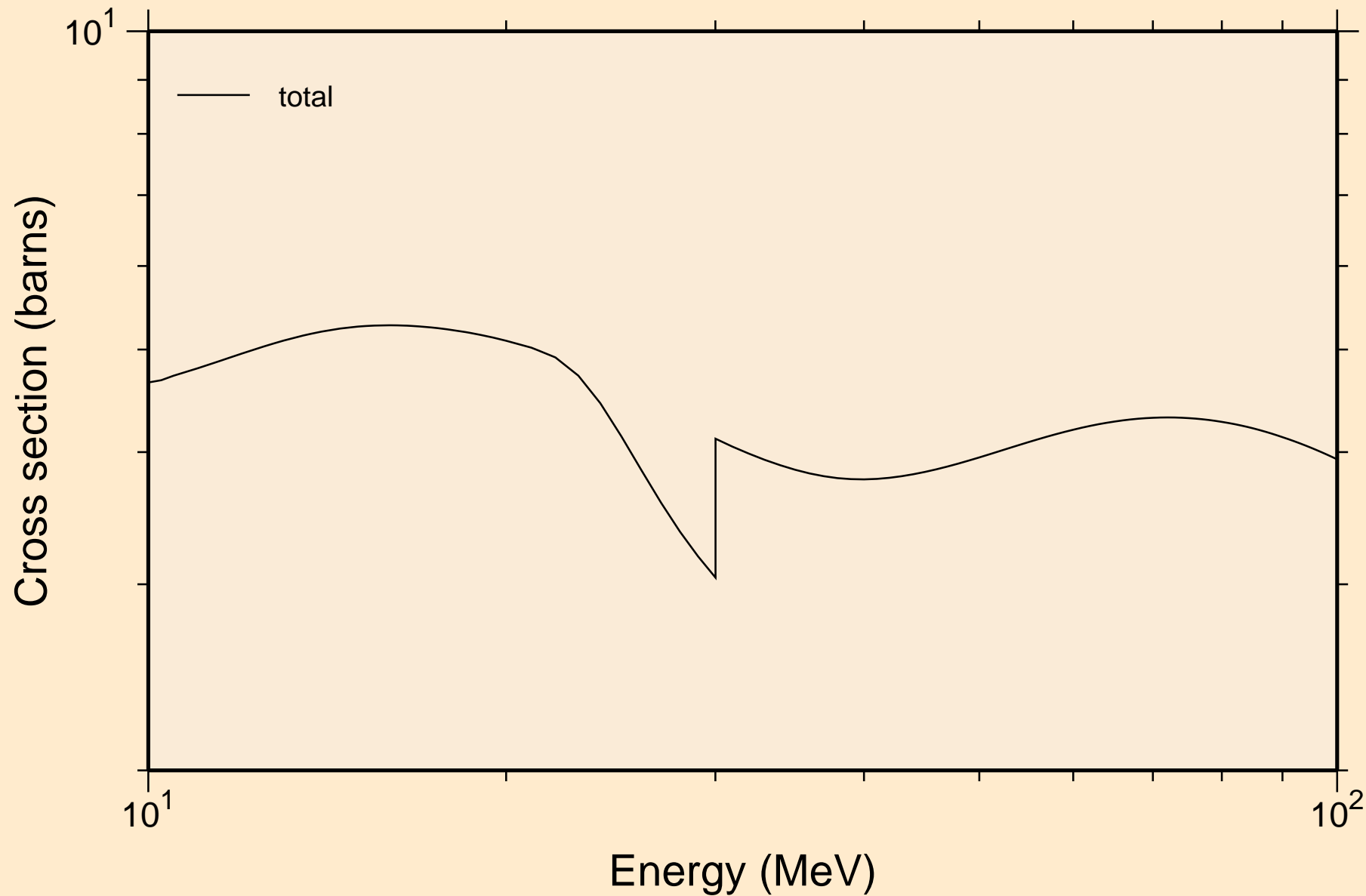
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resonance total cross section



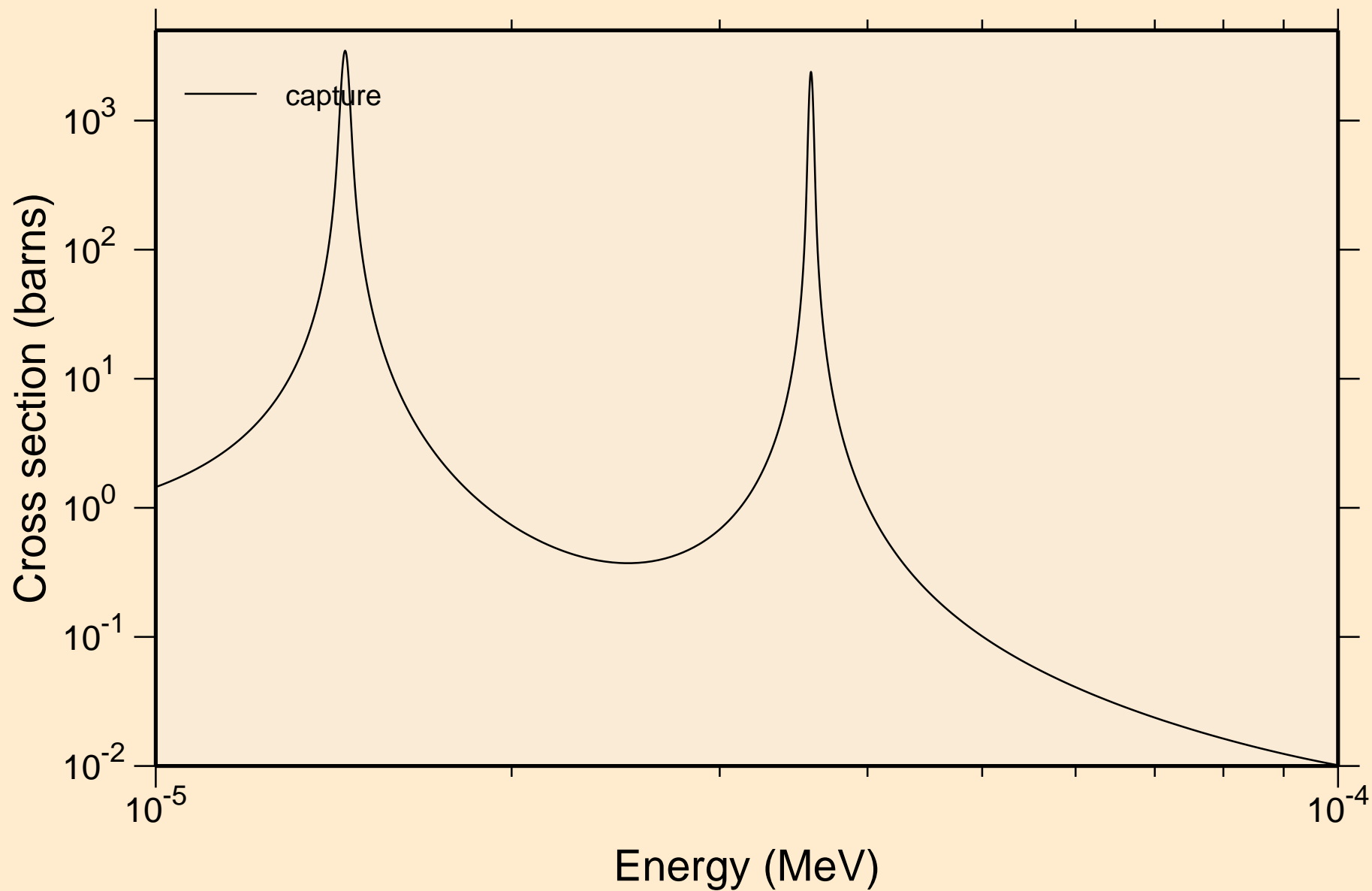
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resonance total cross section



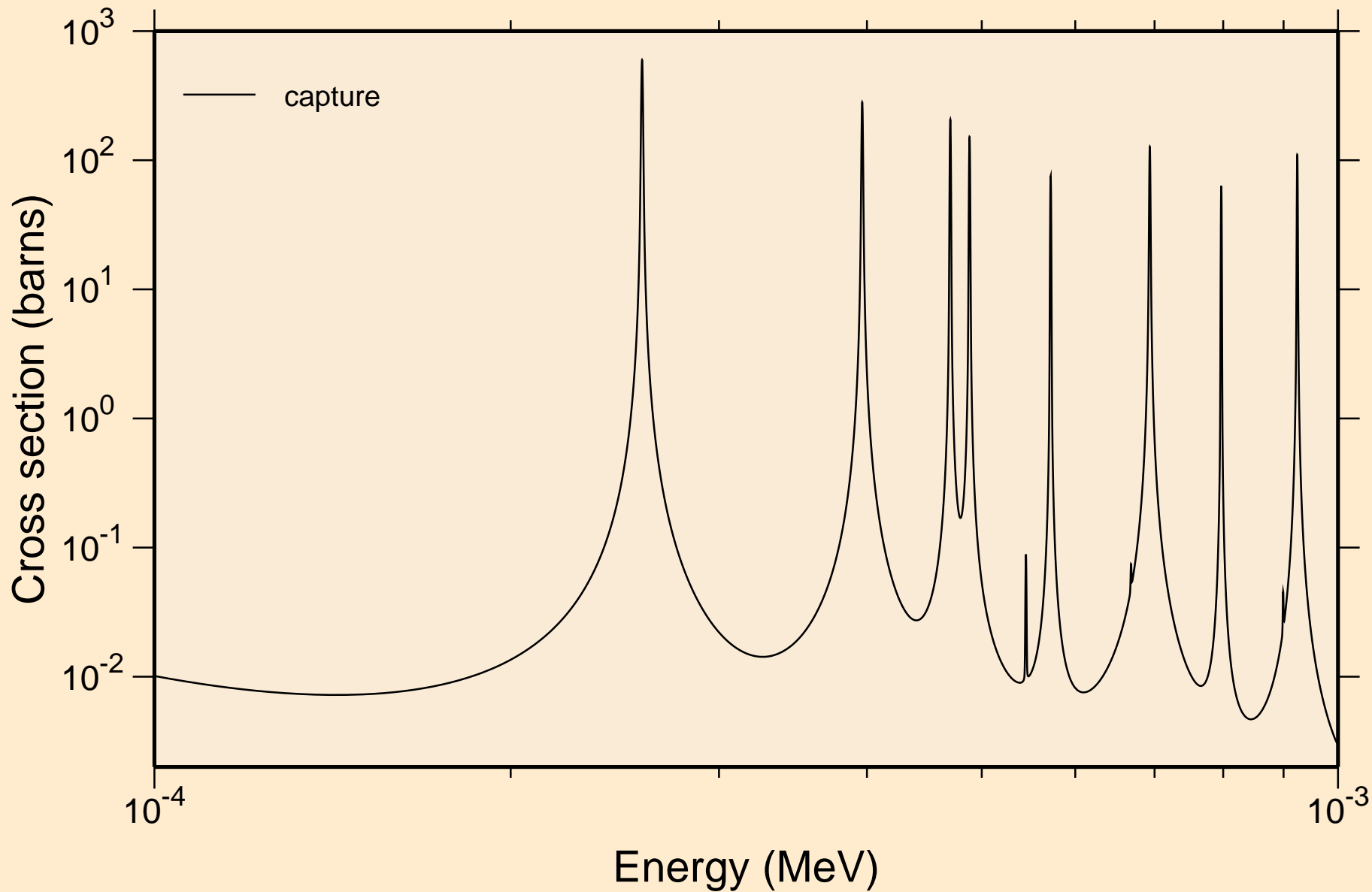
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resonance total cross section



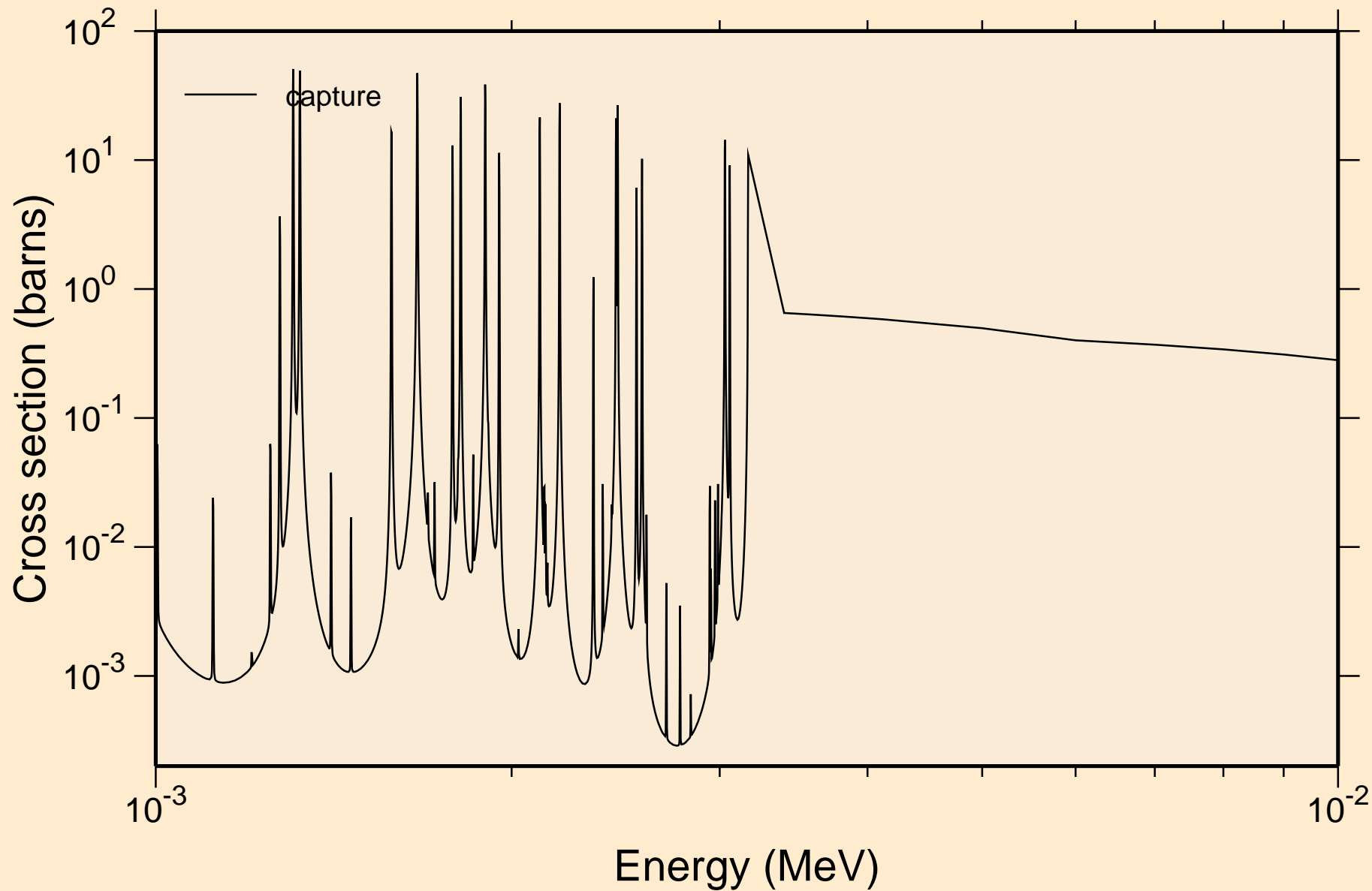
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resonance absorption cross sections



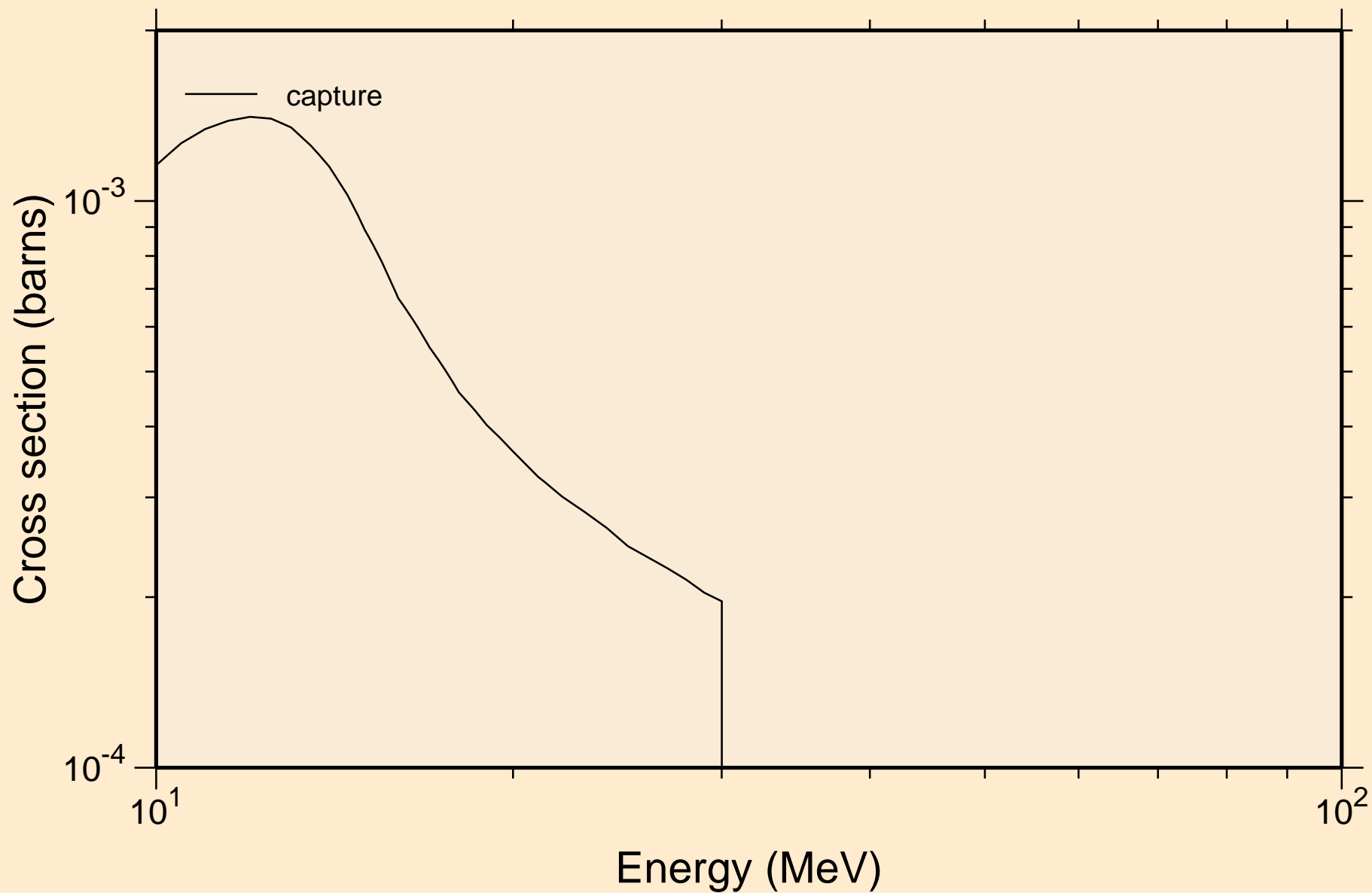
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resonance absorption cross sections



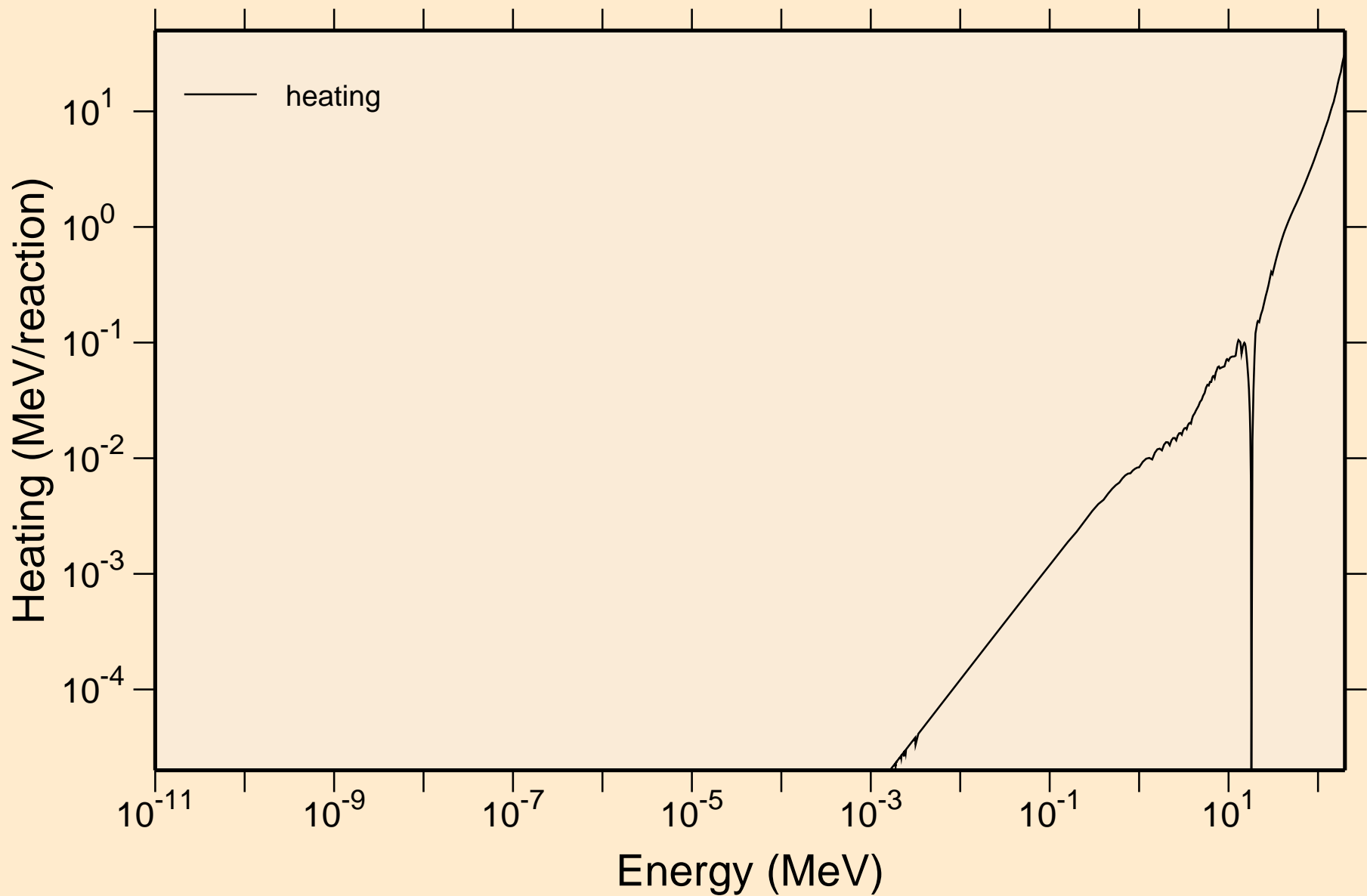
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resonance absorption cross sections



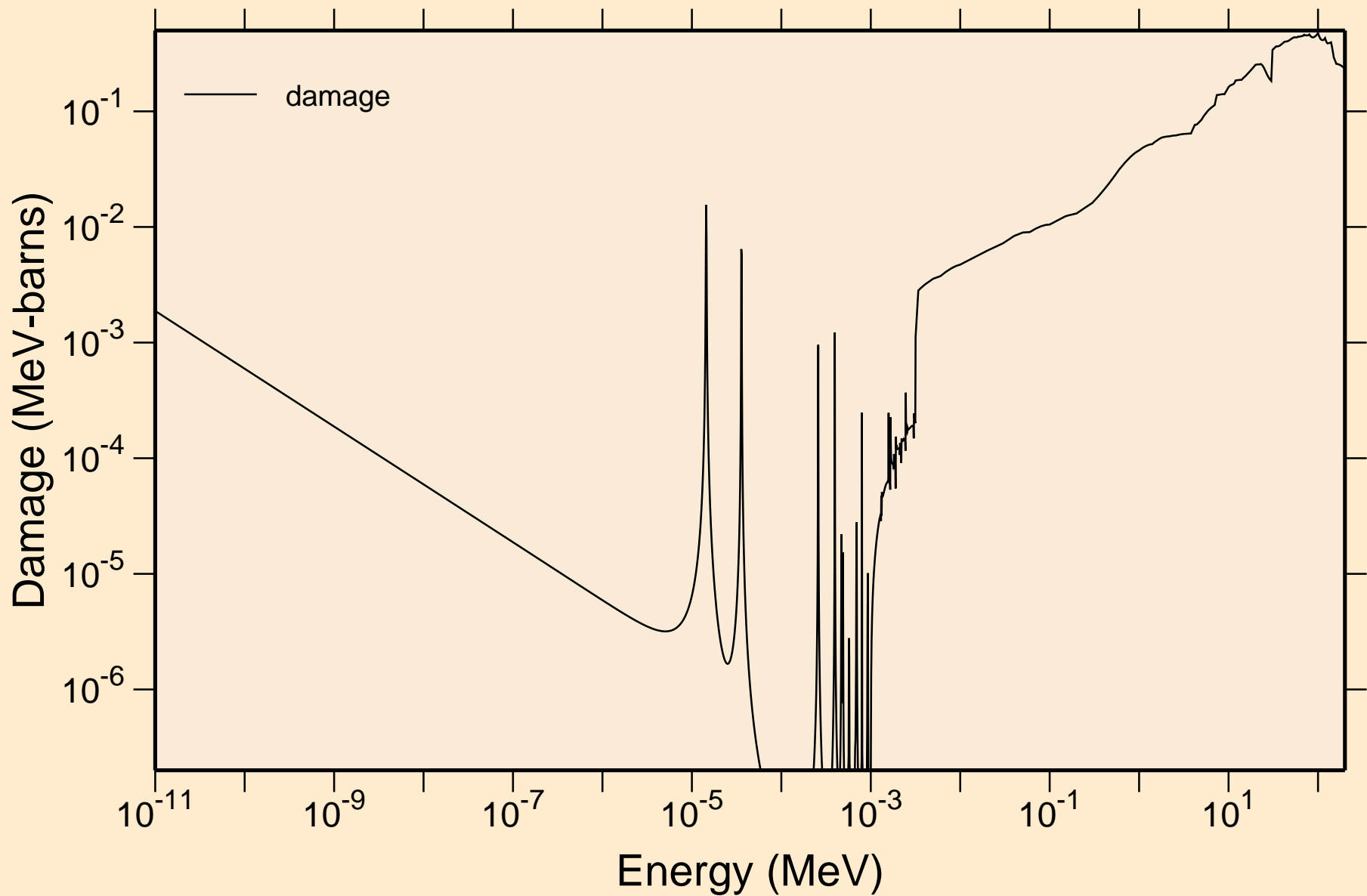
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resonance absorption cross sections



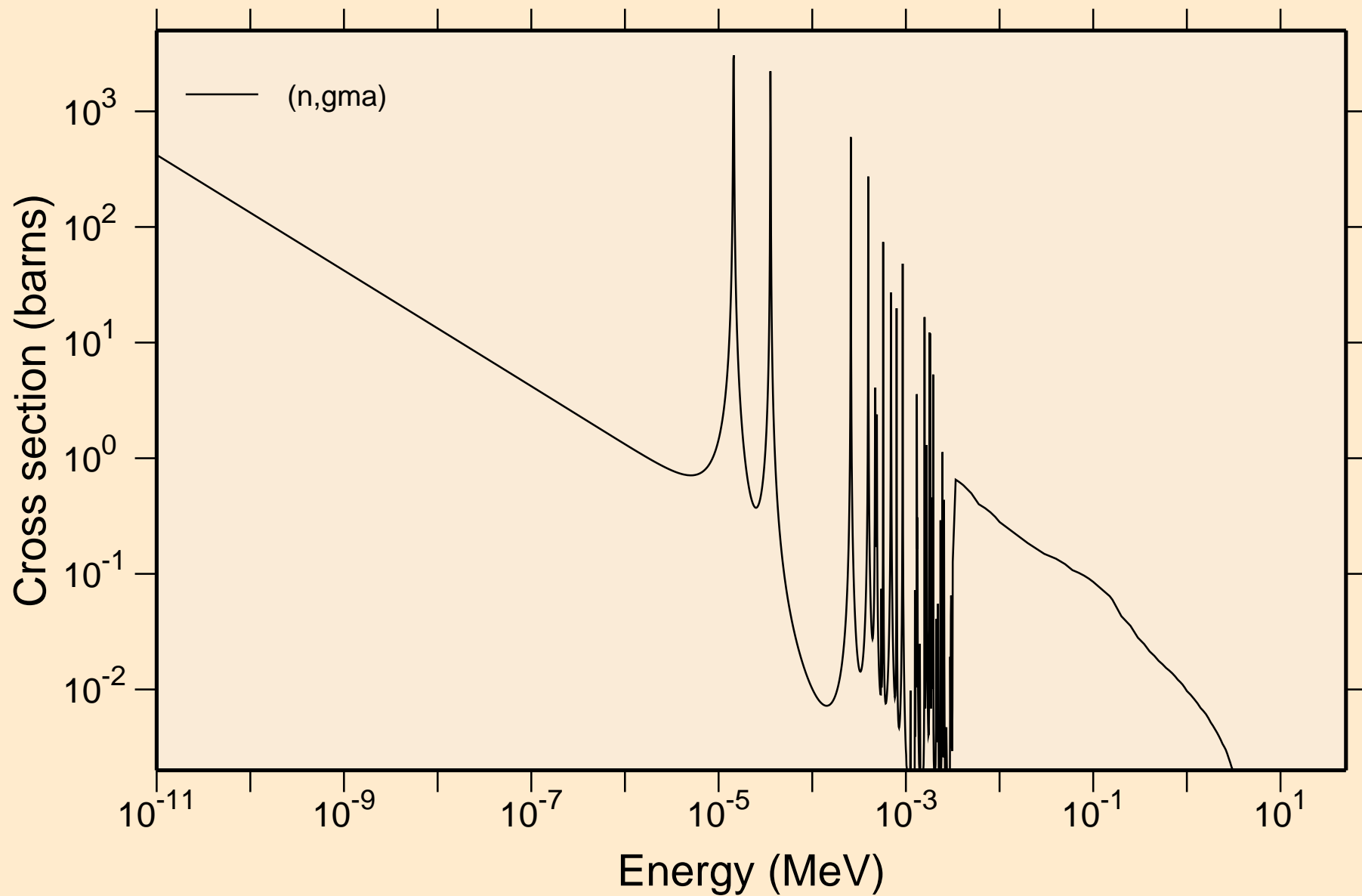
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Heating



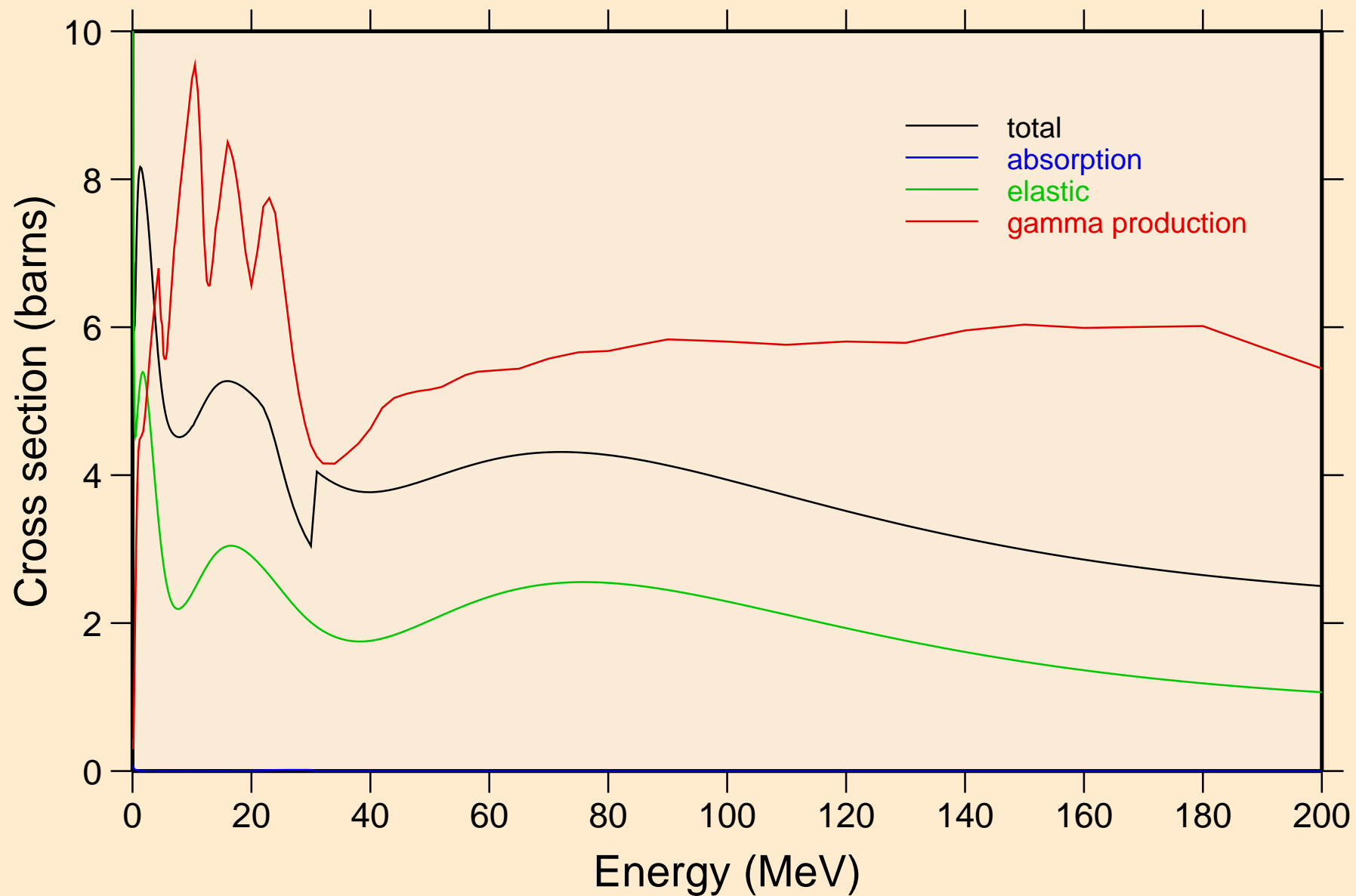
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Damage



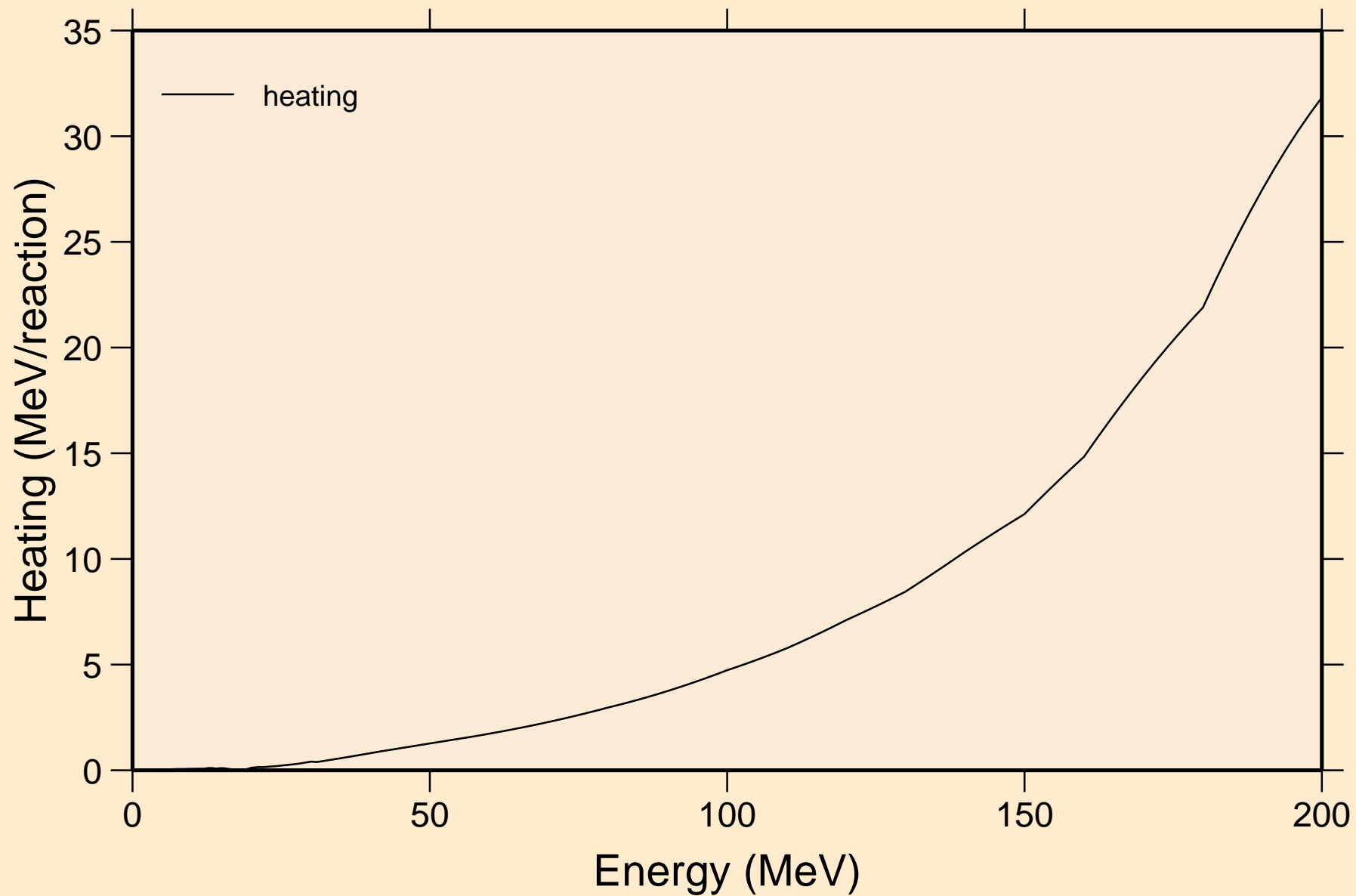
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



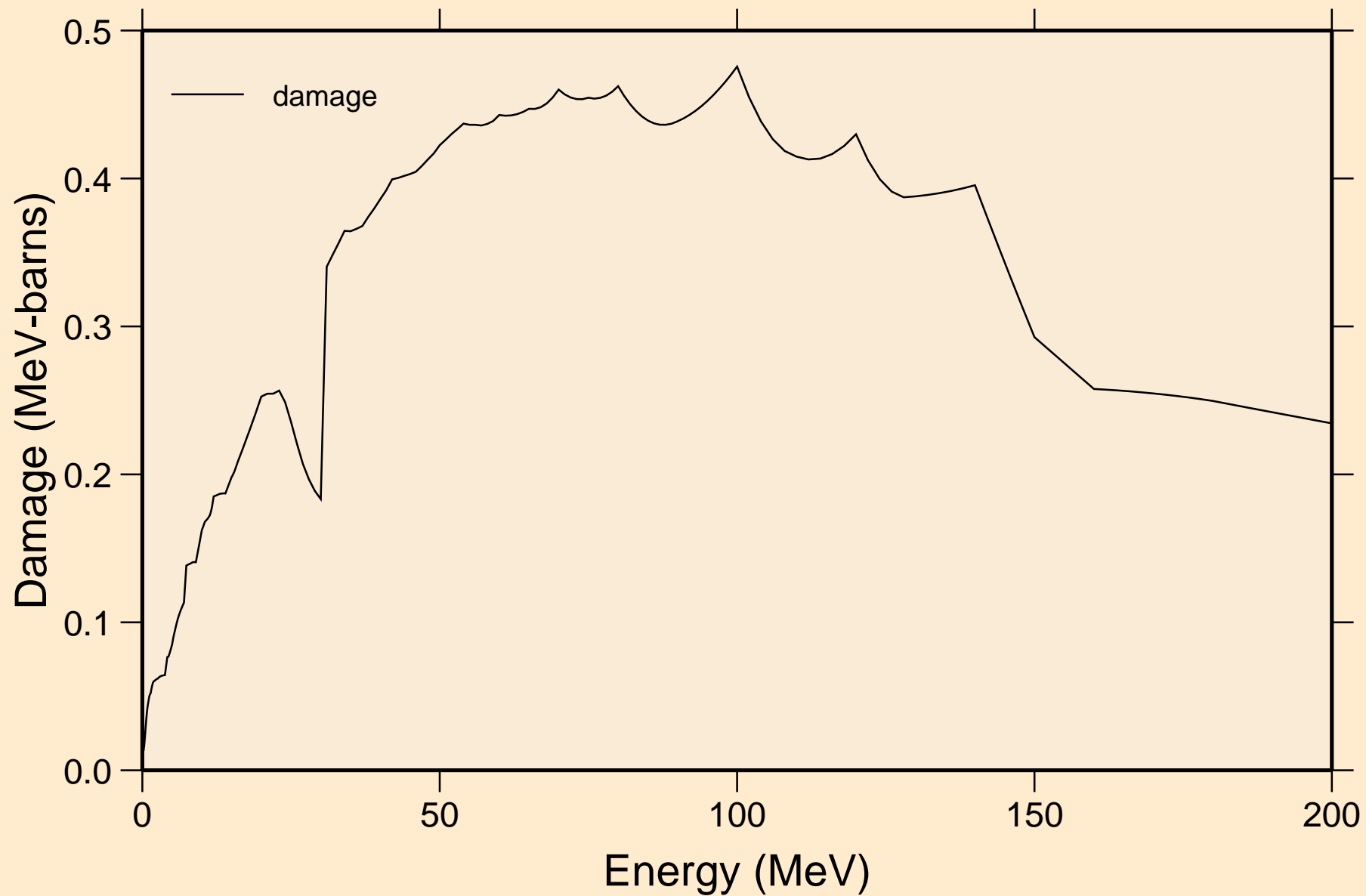
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



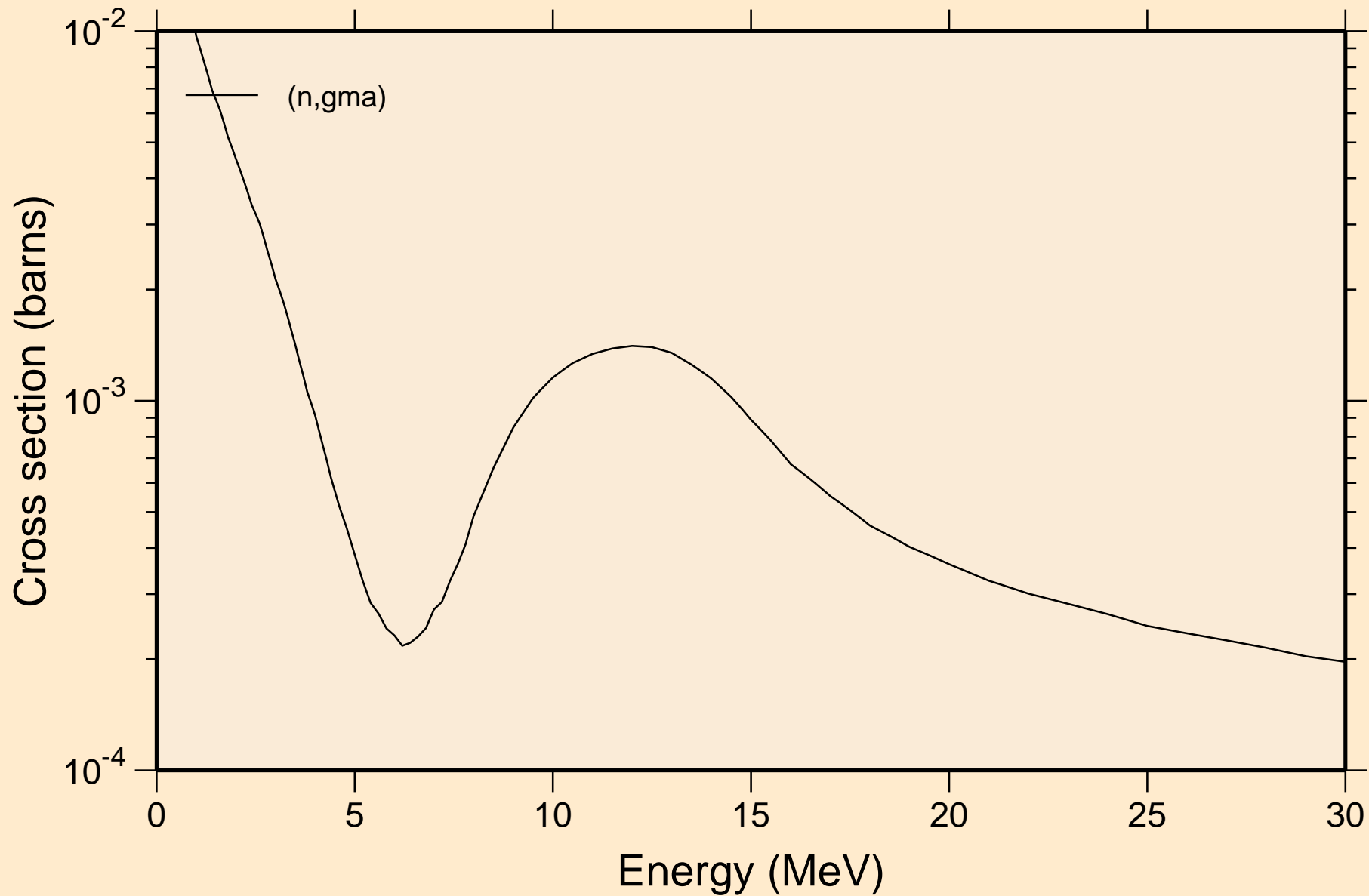
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Heating



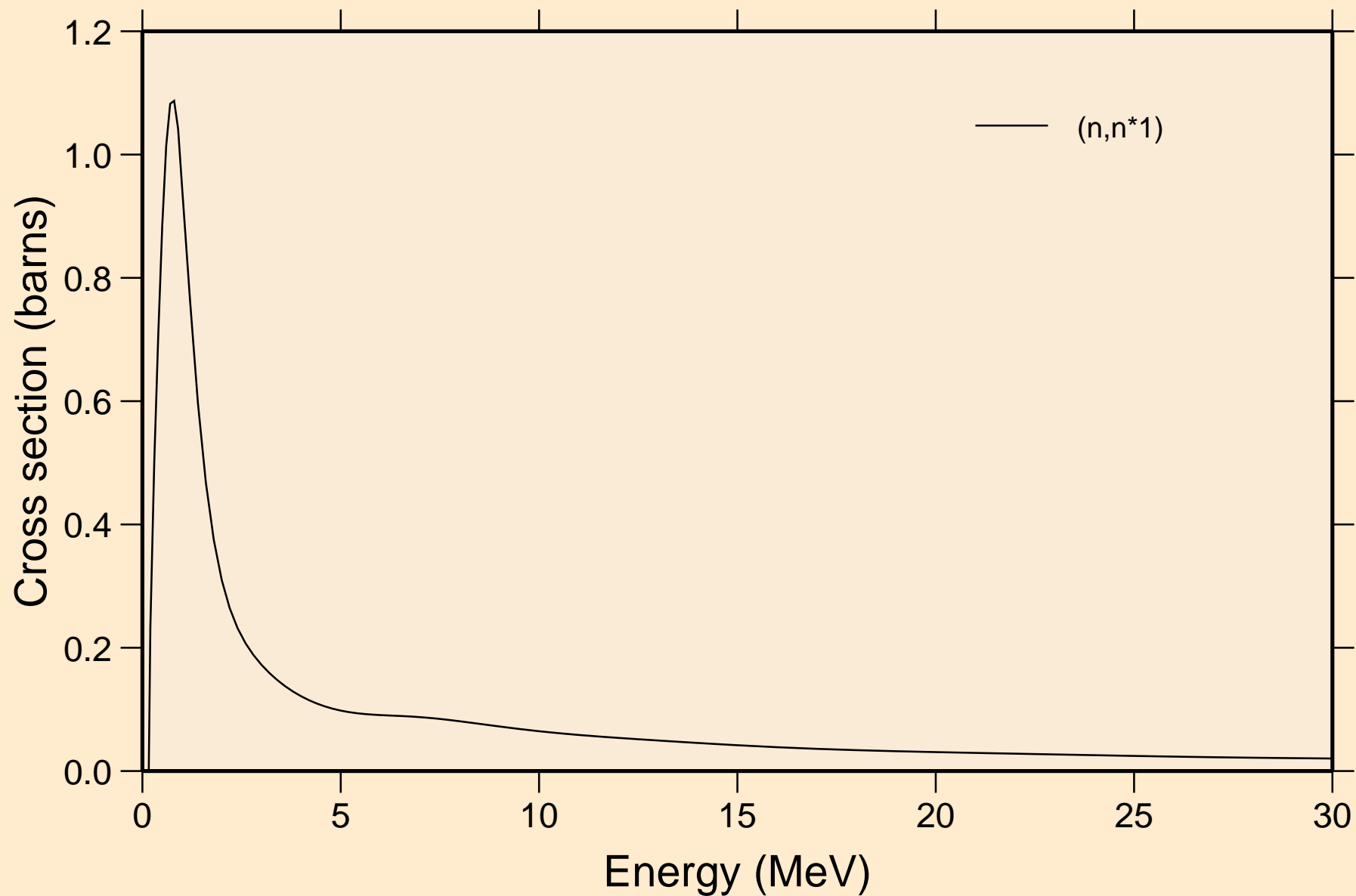
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



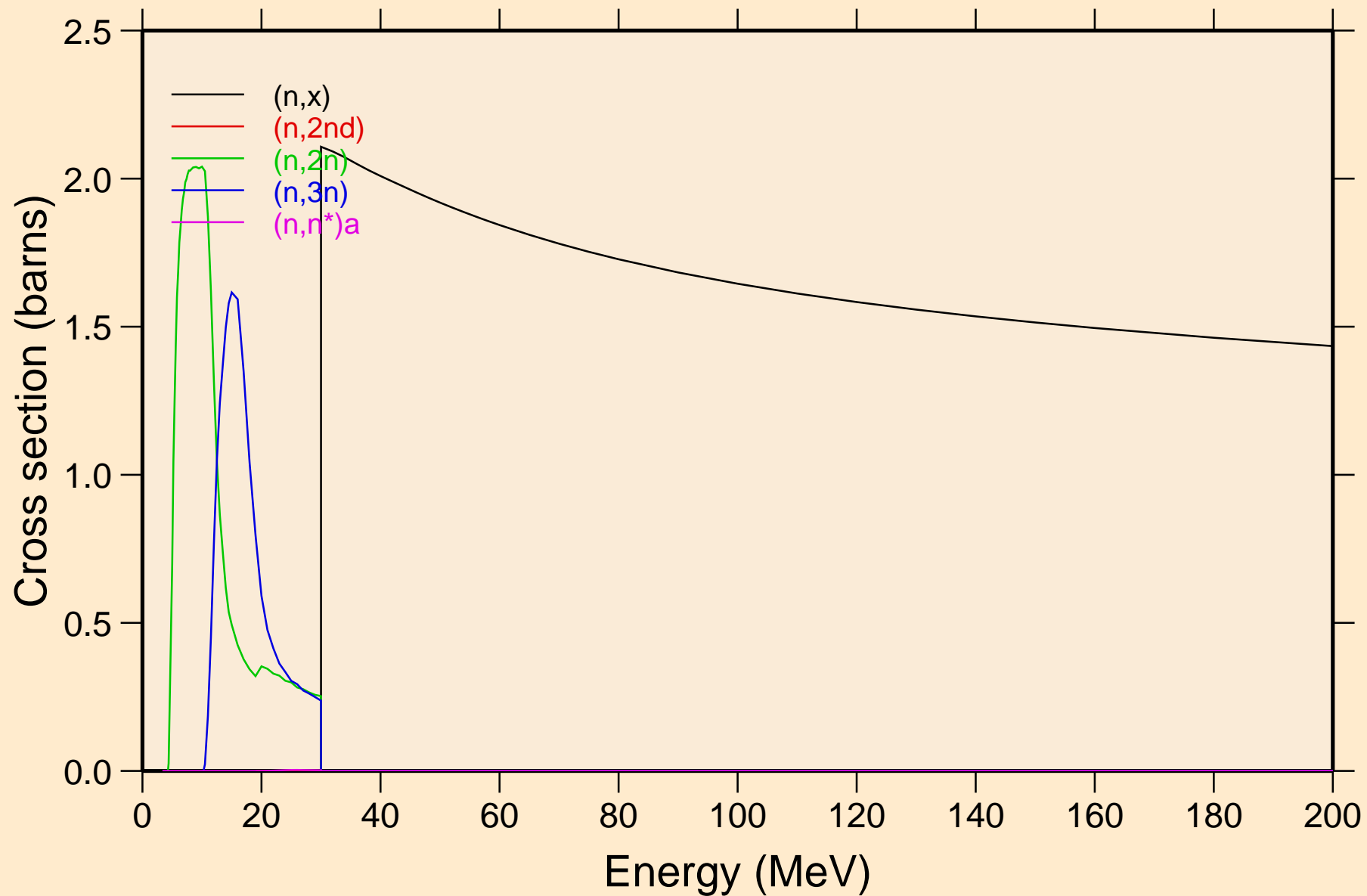
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Non-threshold reactions



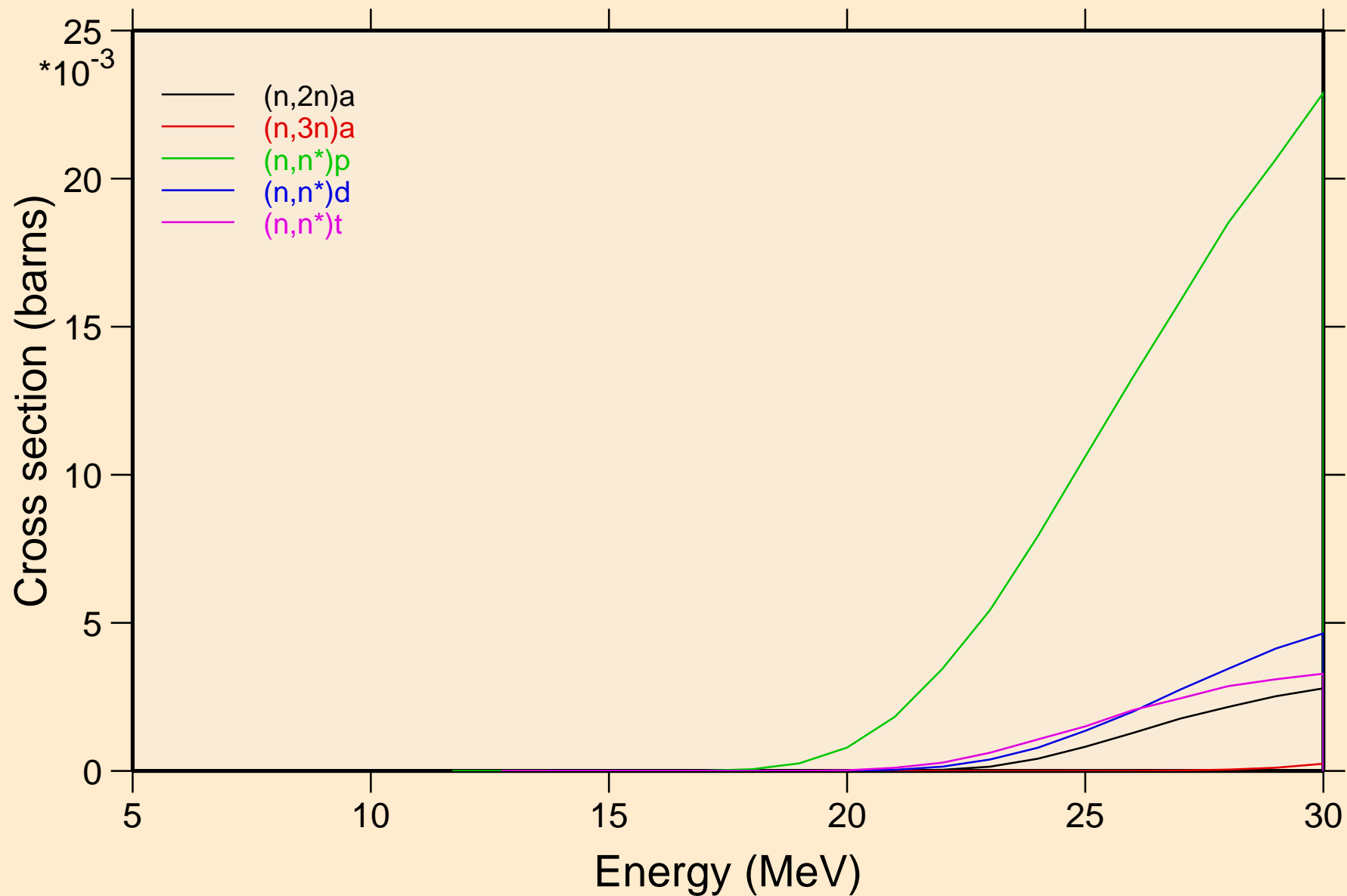
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



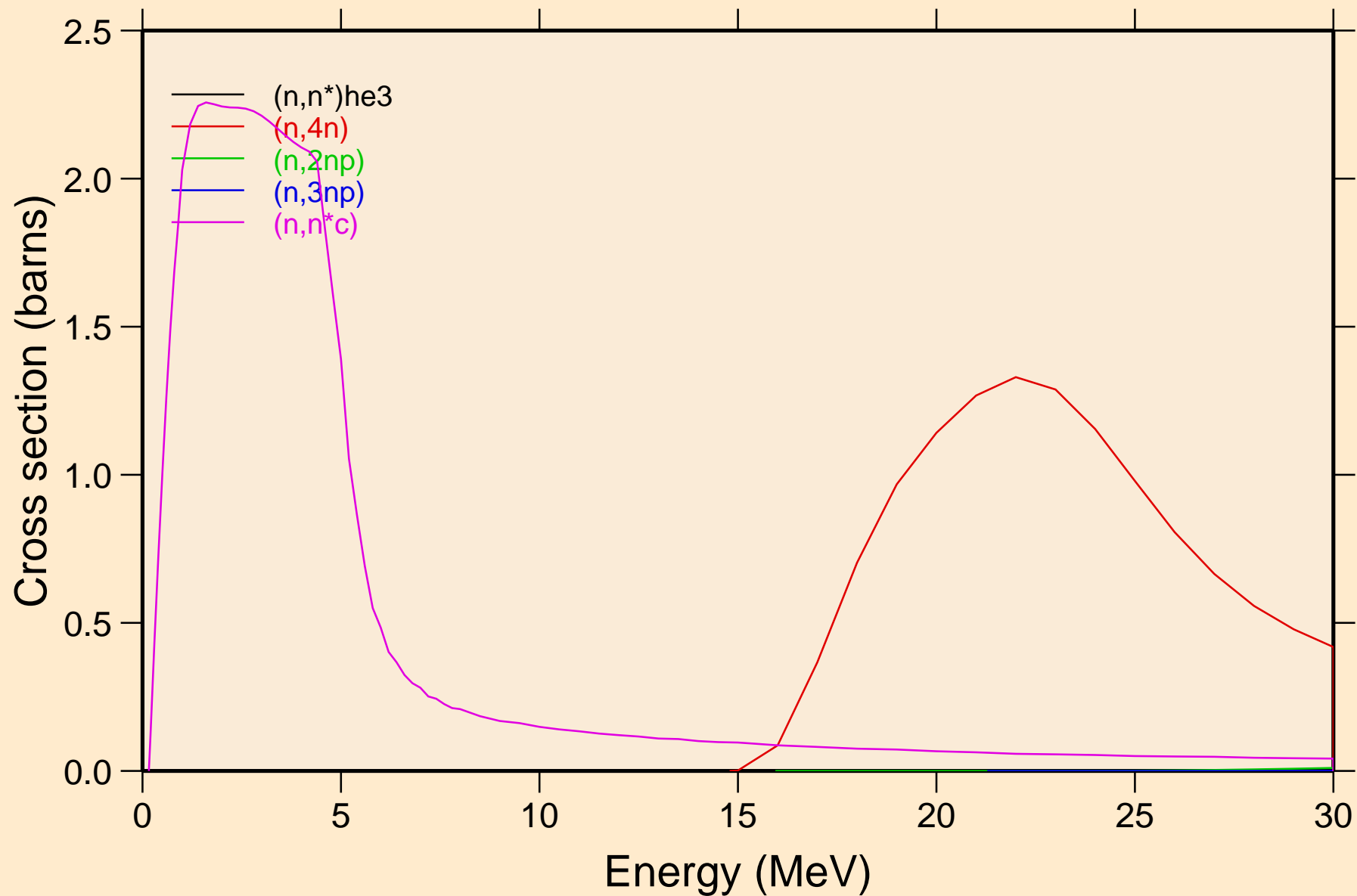
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



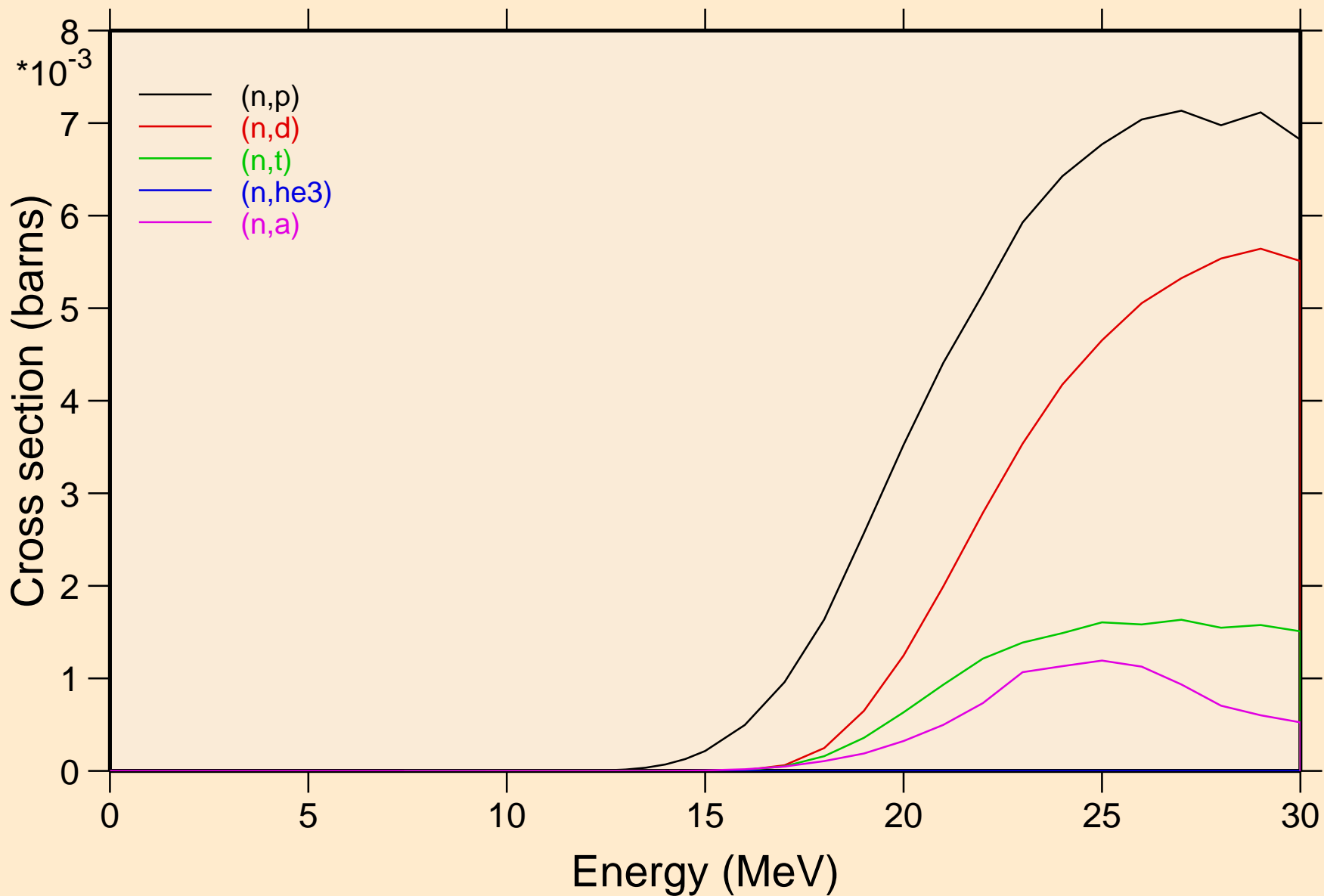
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



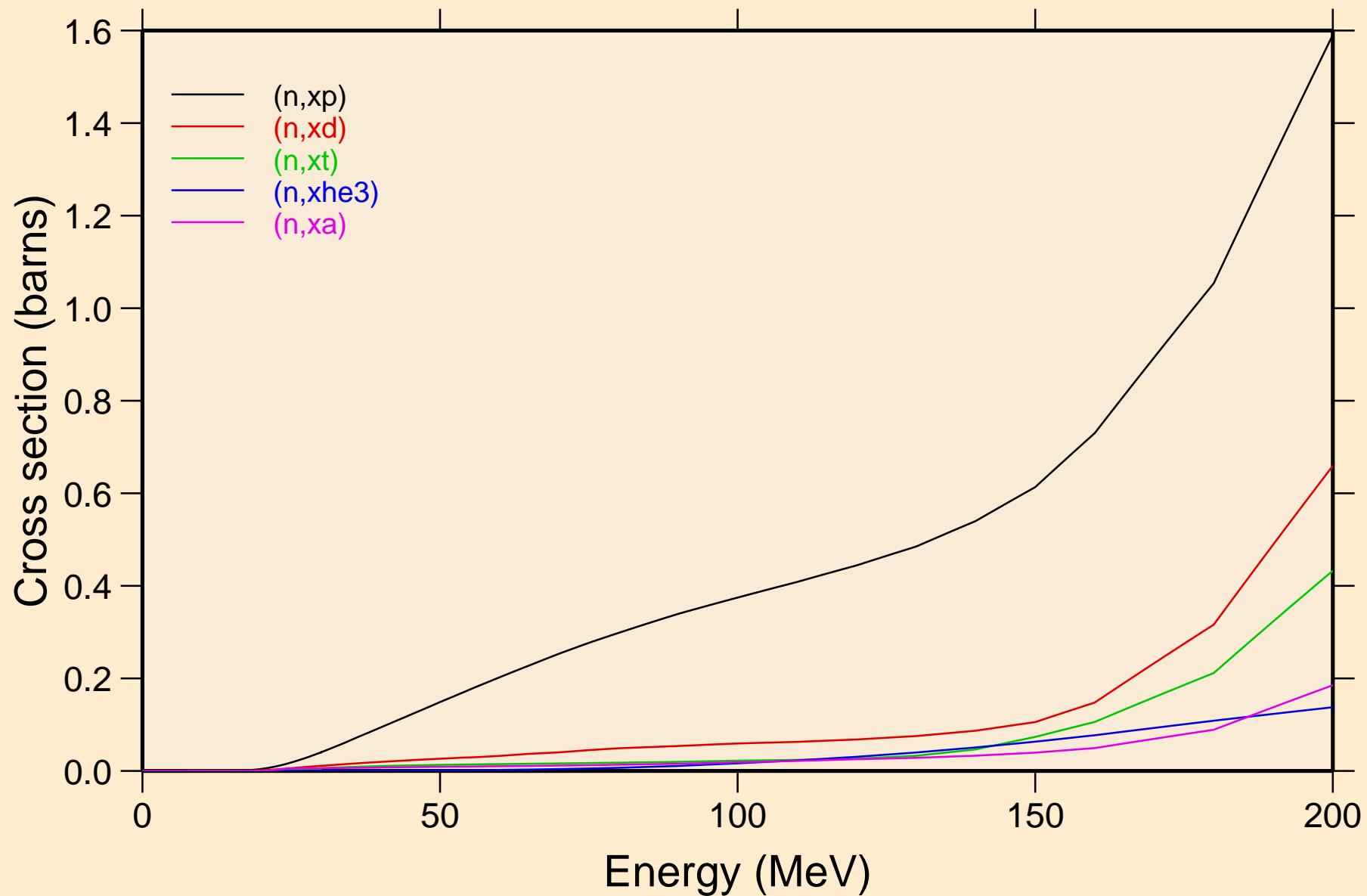
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



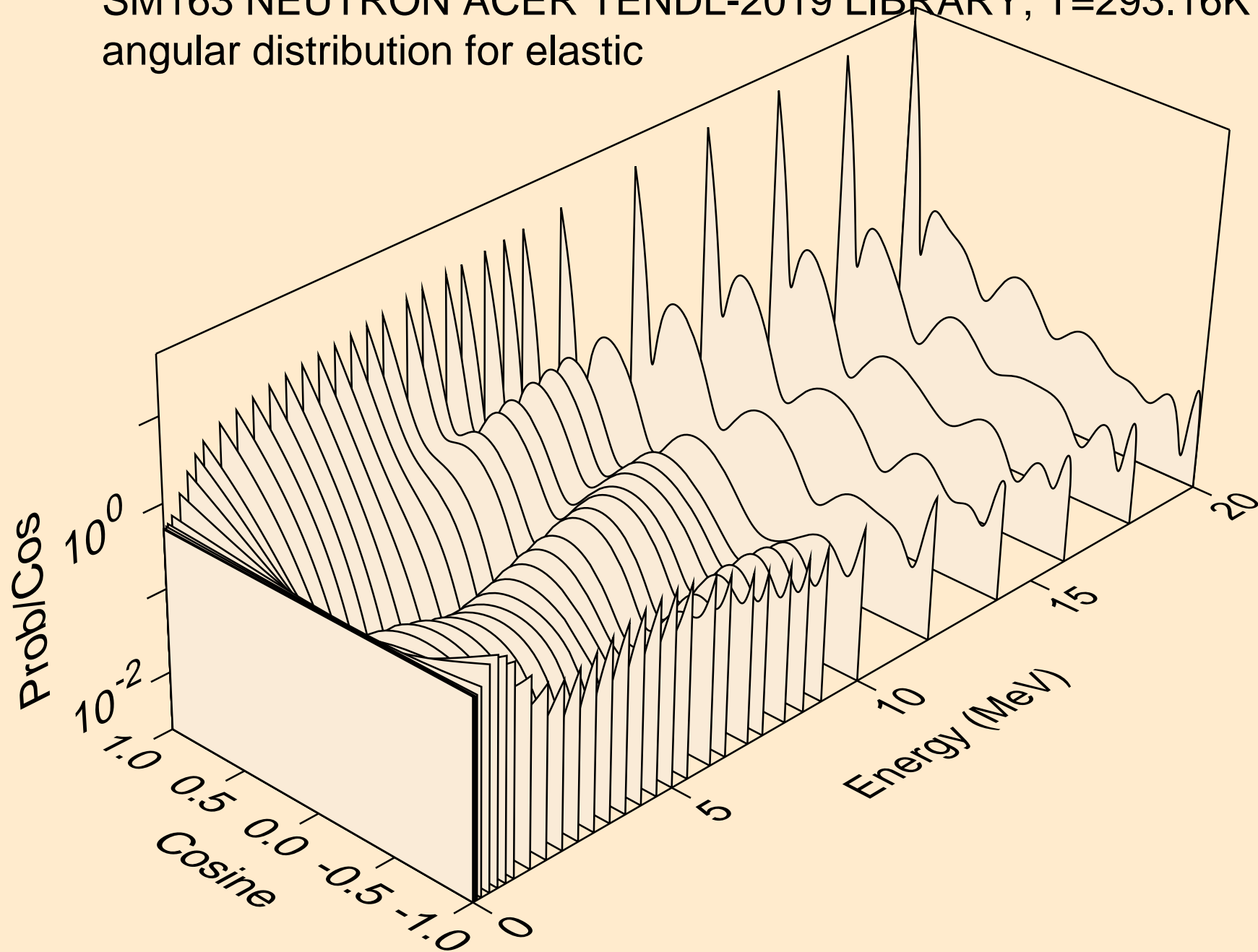
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



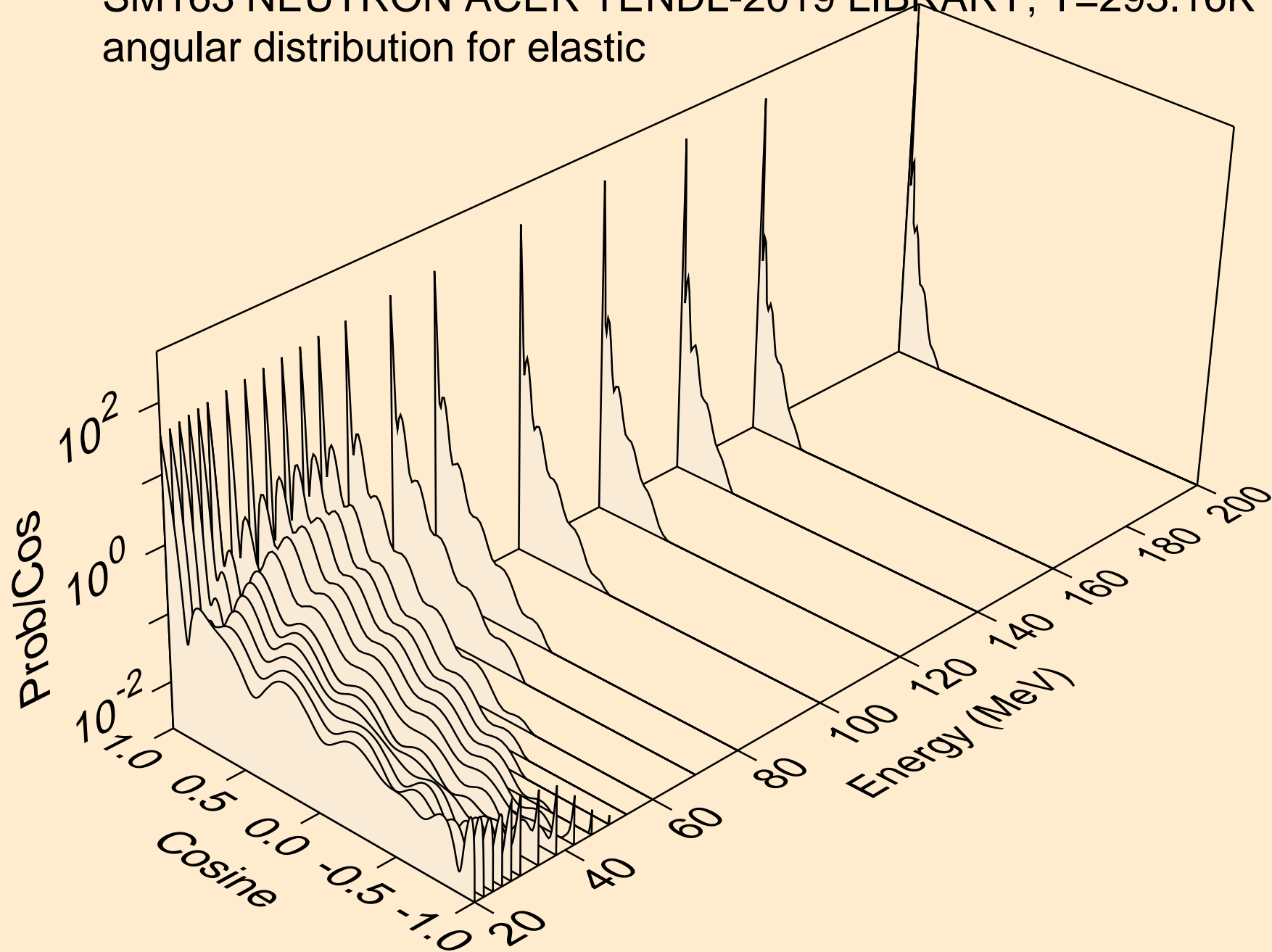
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



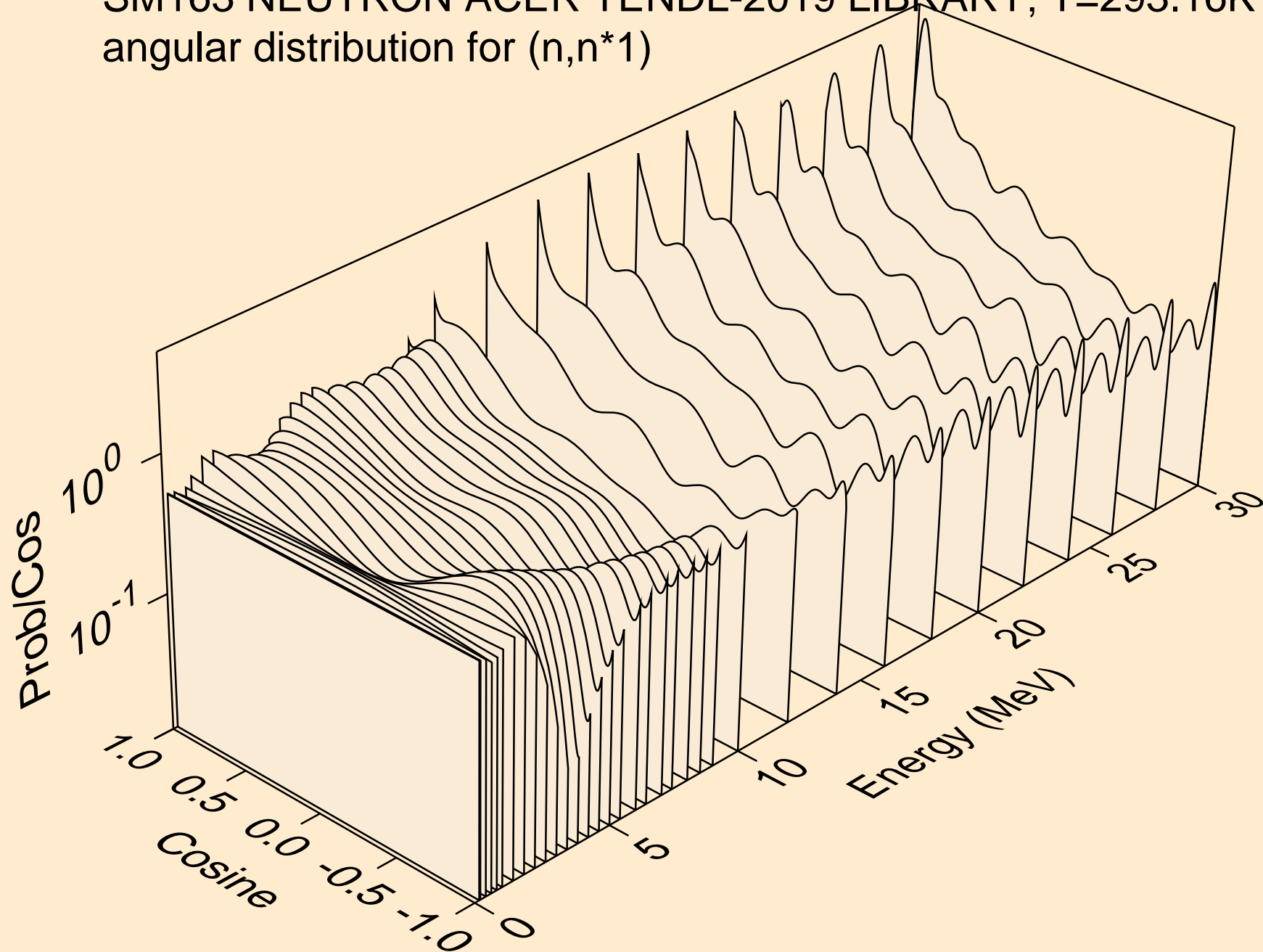
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



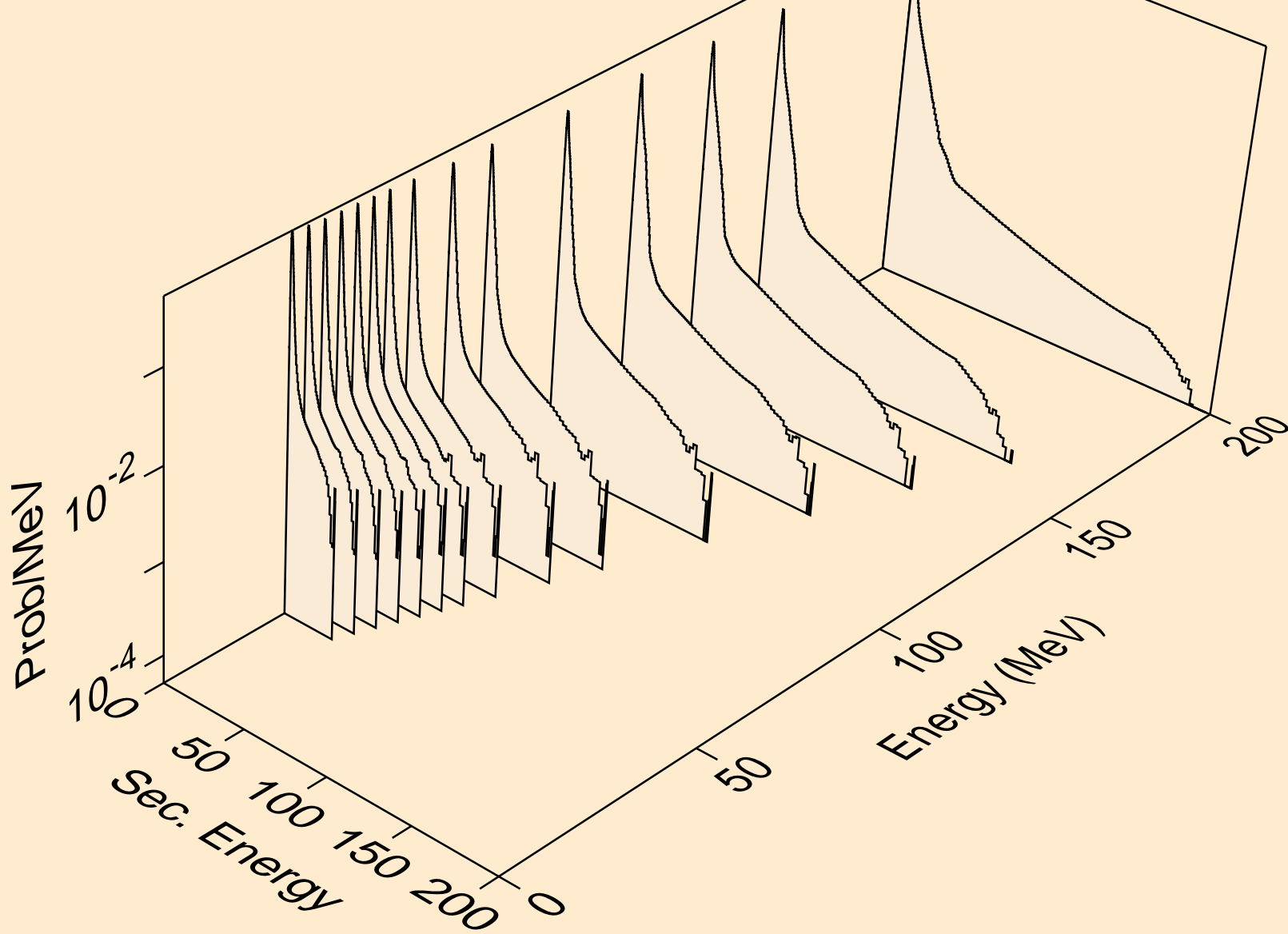
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



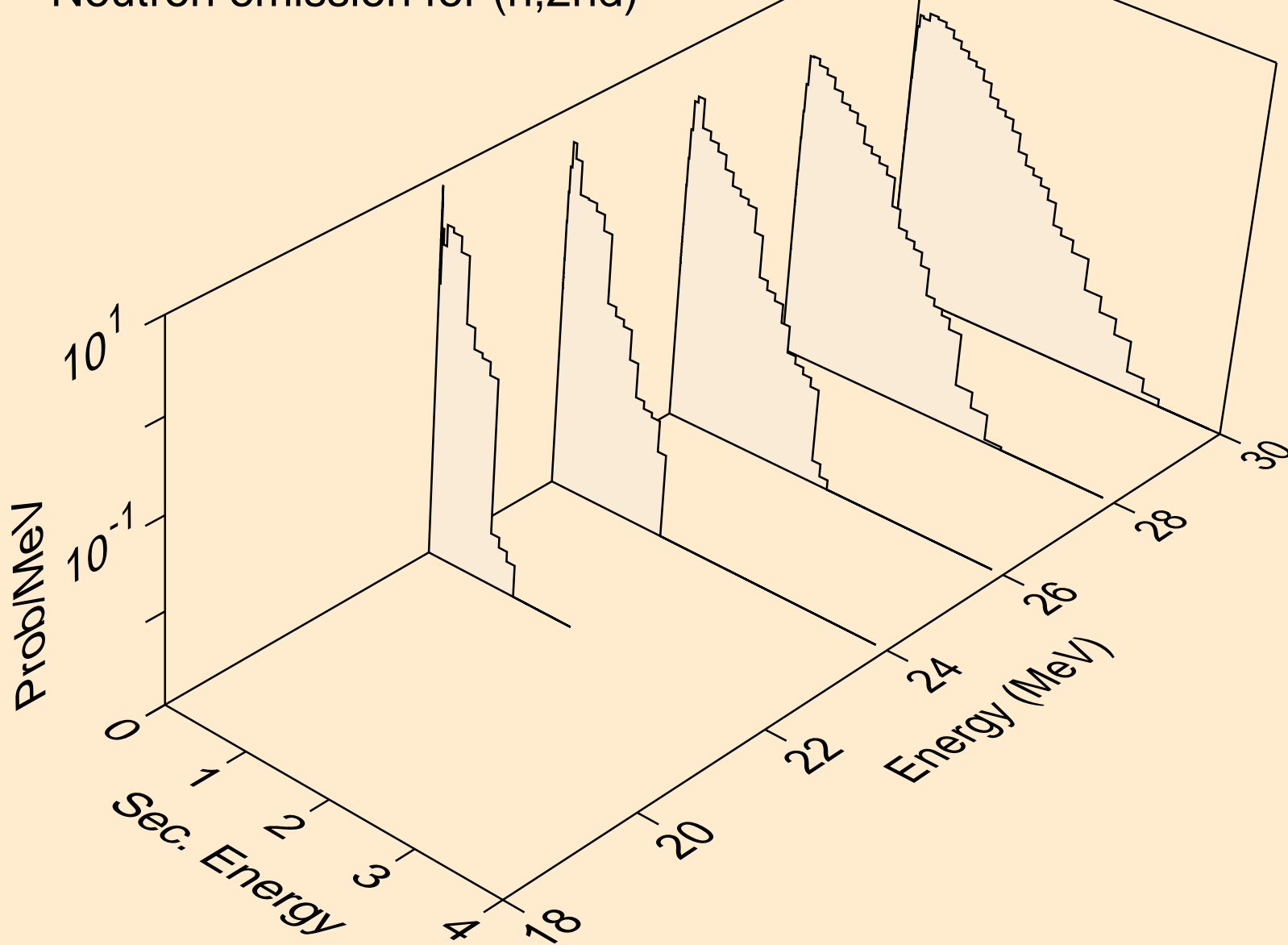
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angular distribution for (n,n*1)



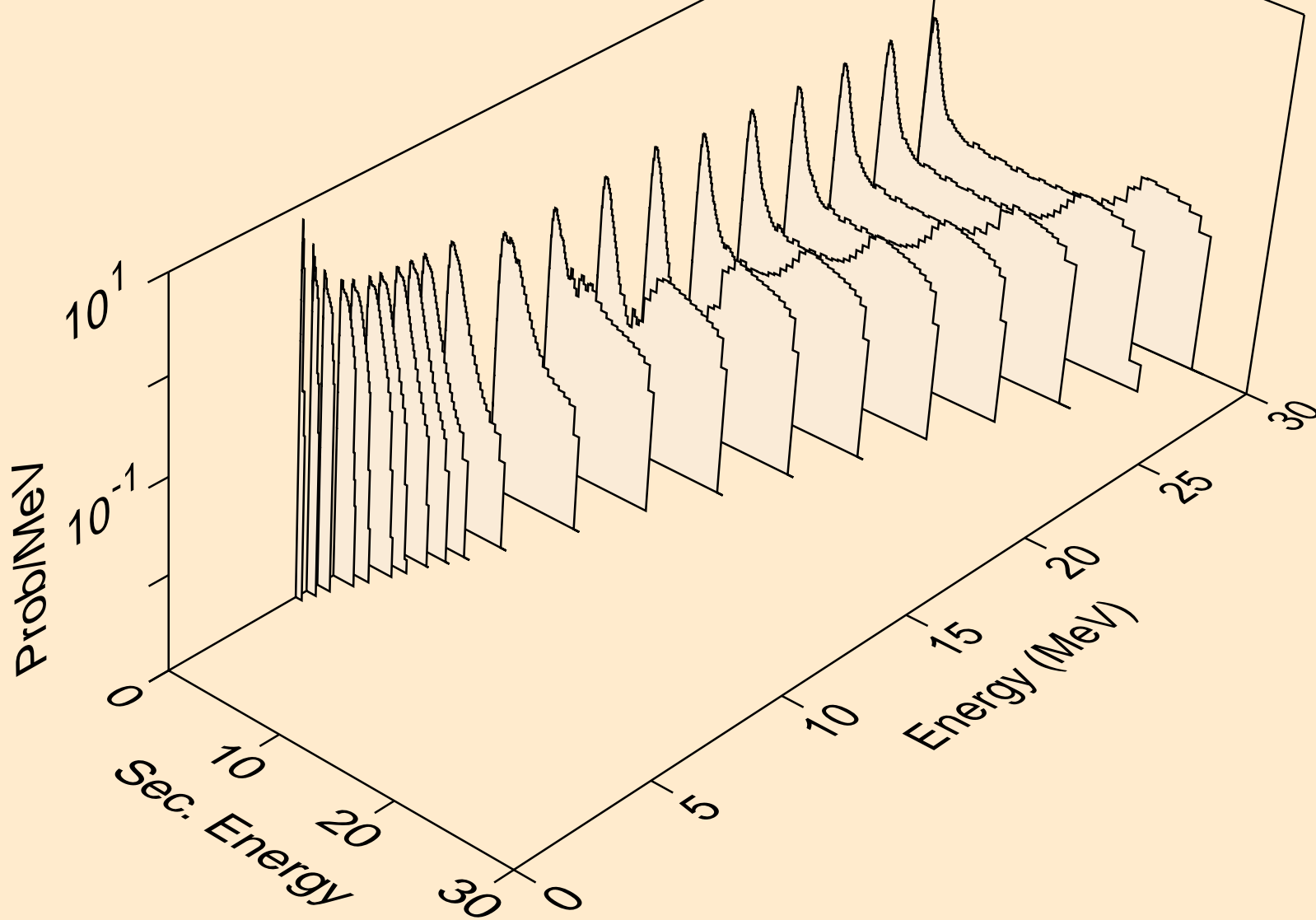
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



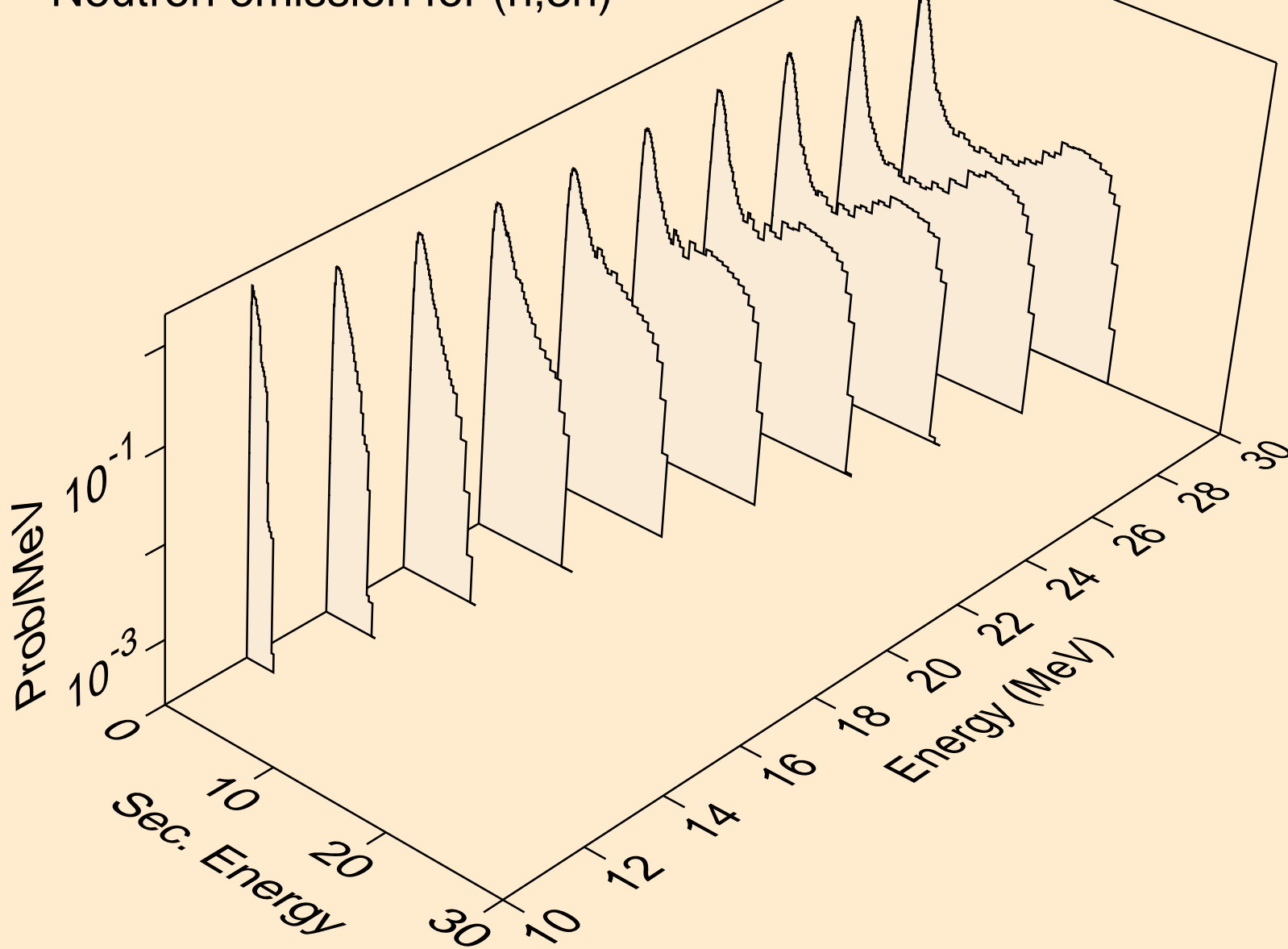
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



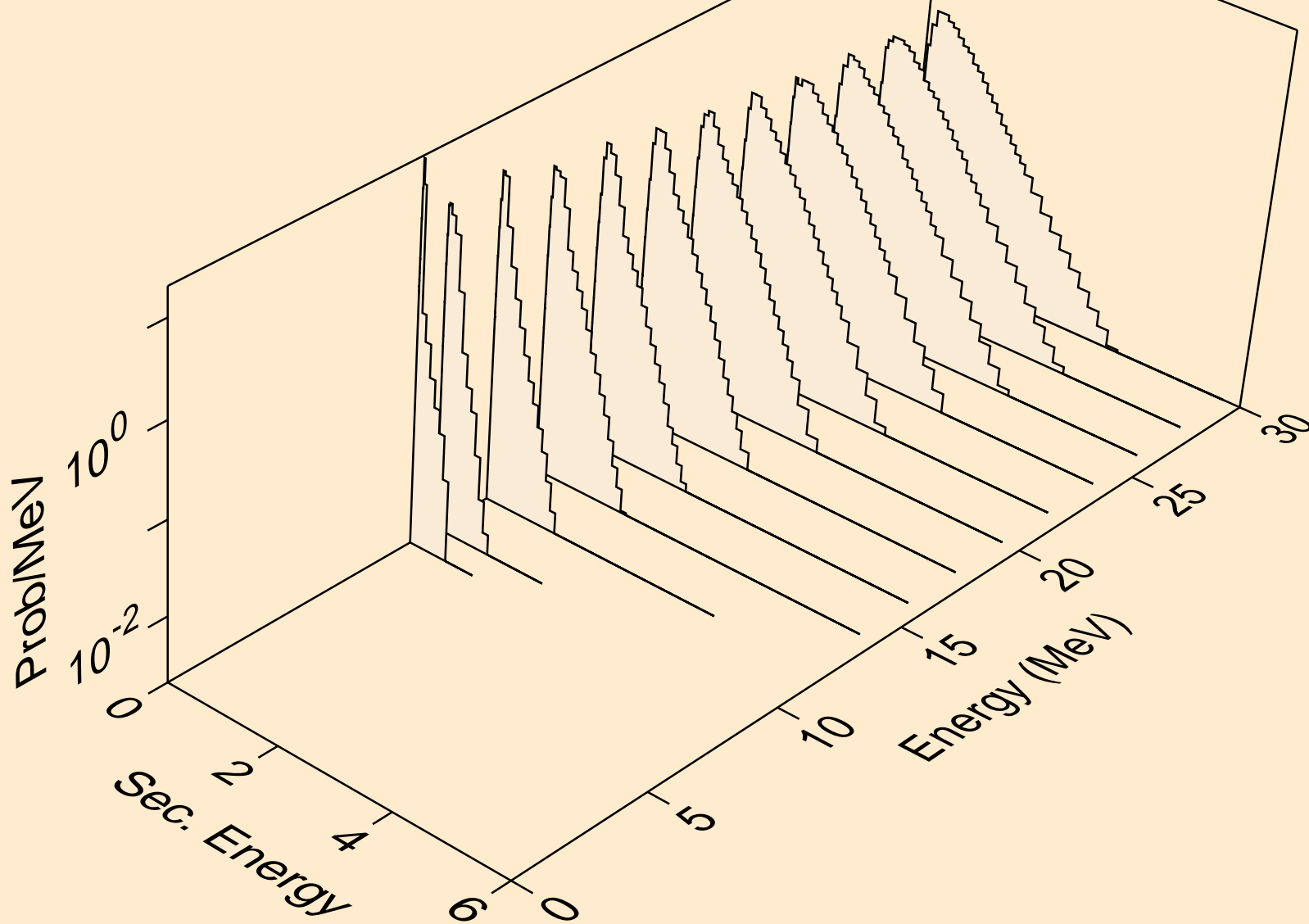
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



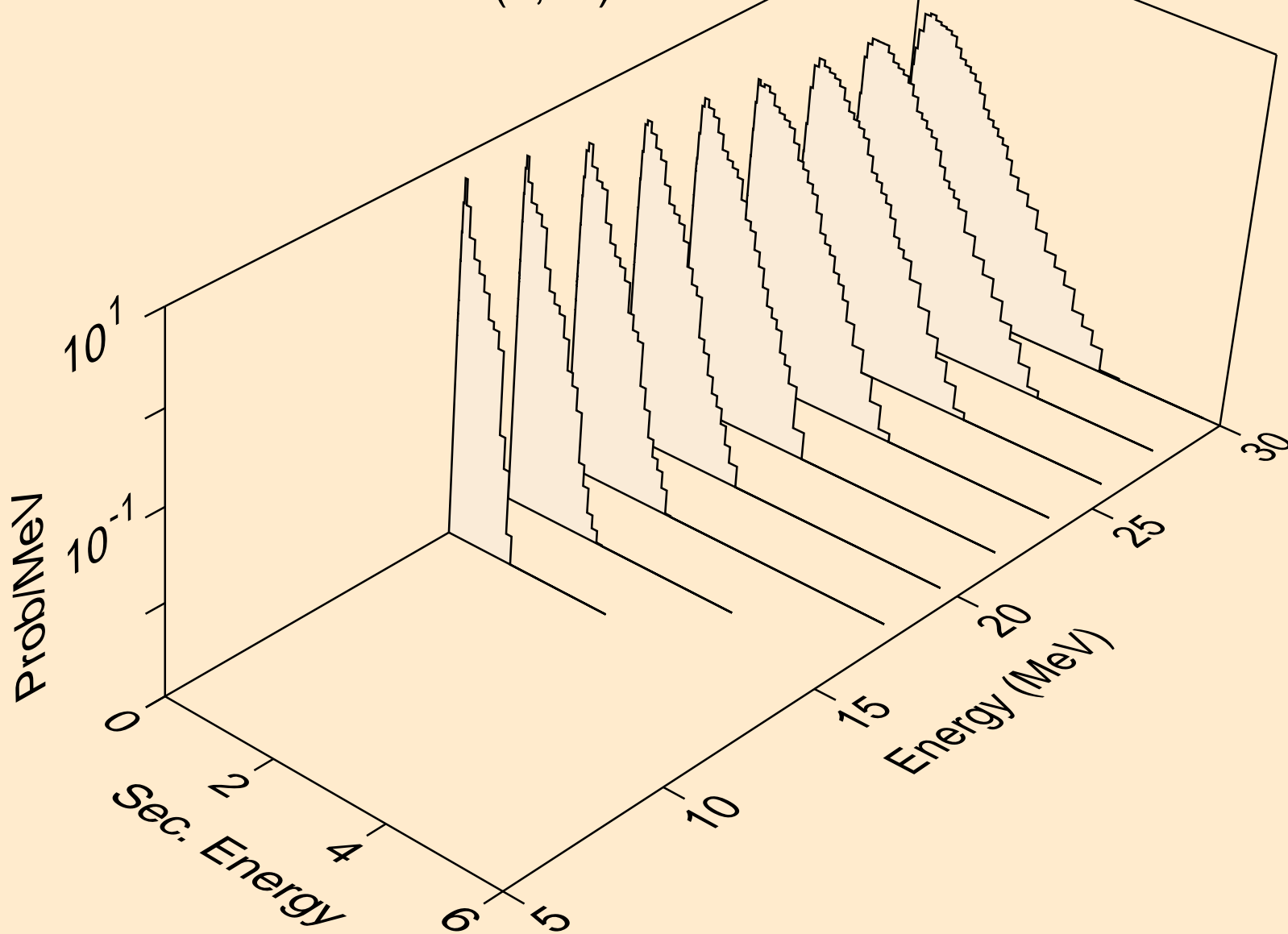
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



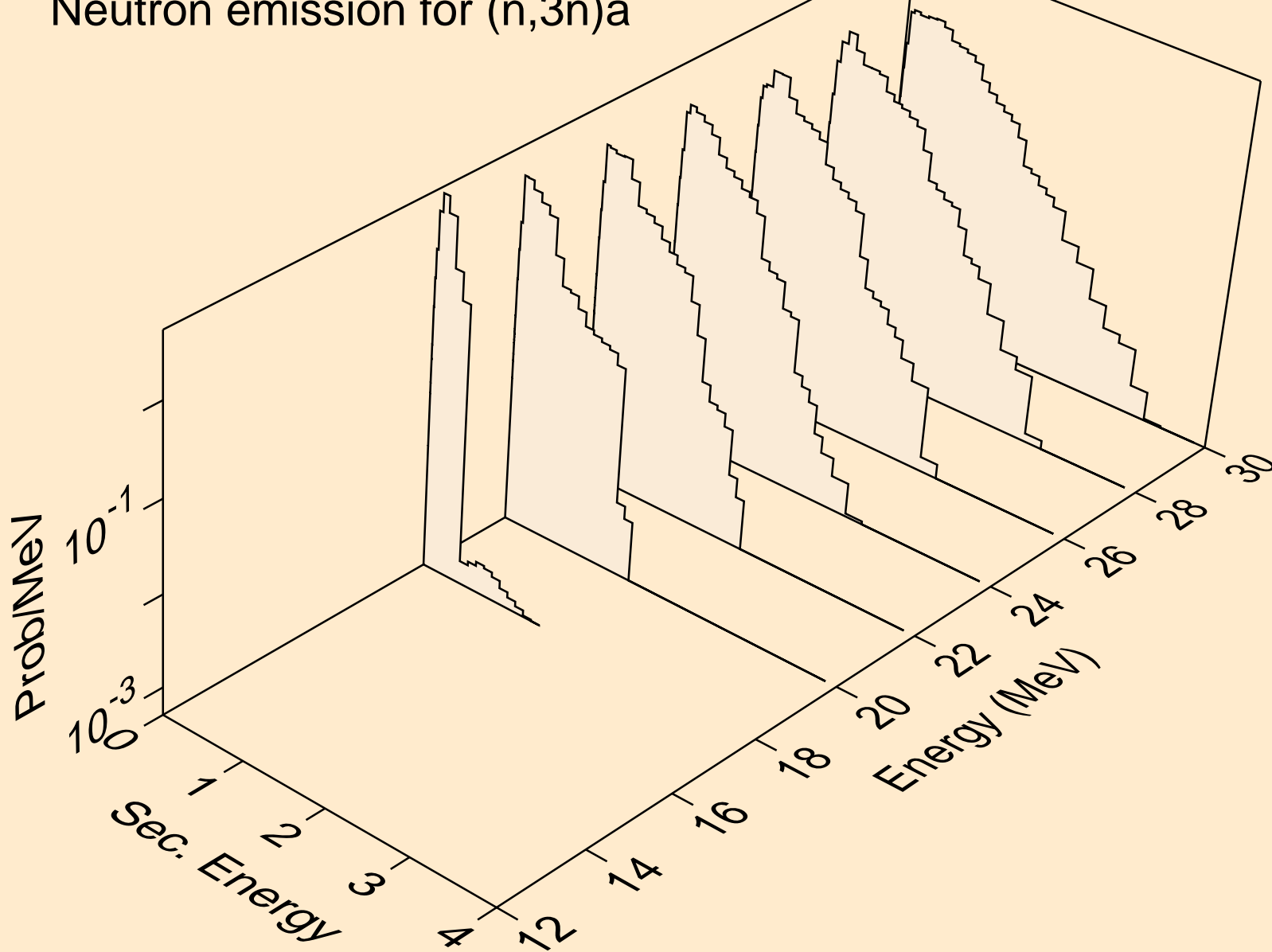
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



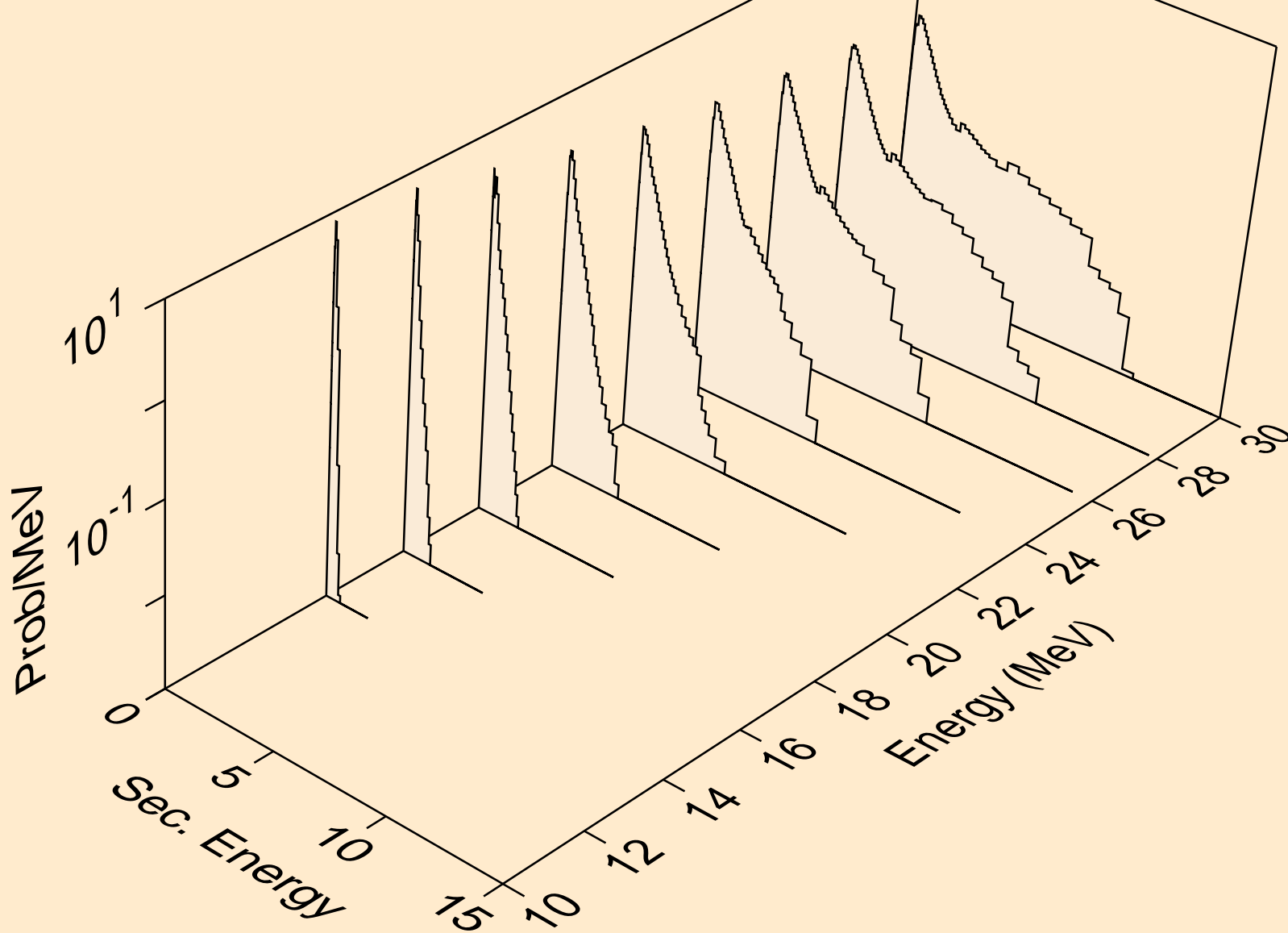
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



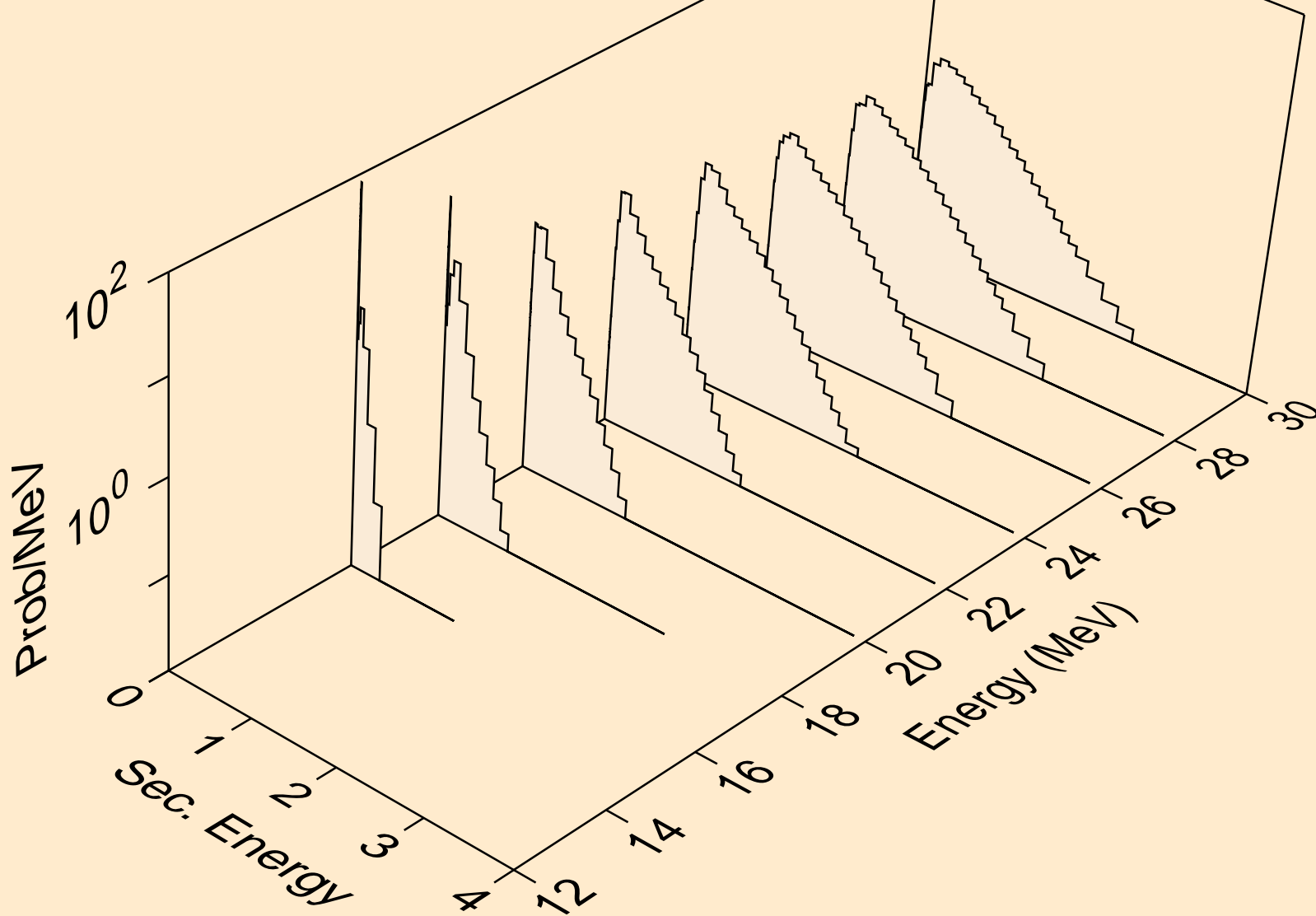
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



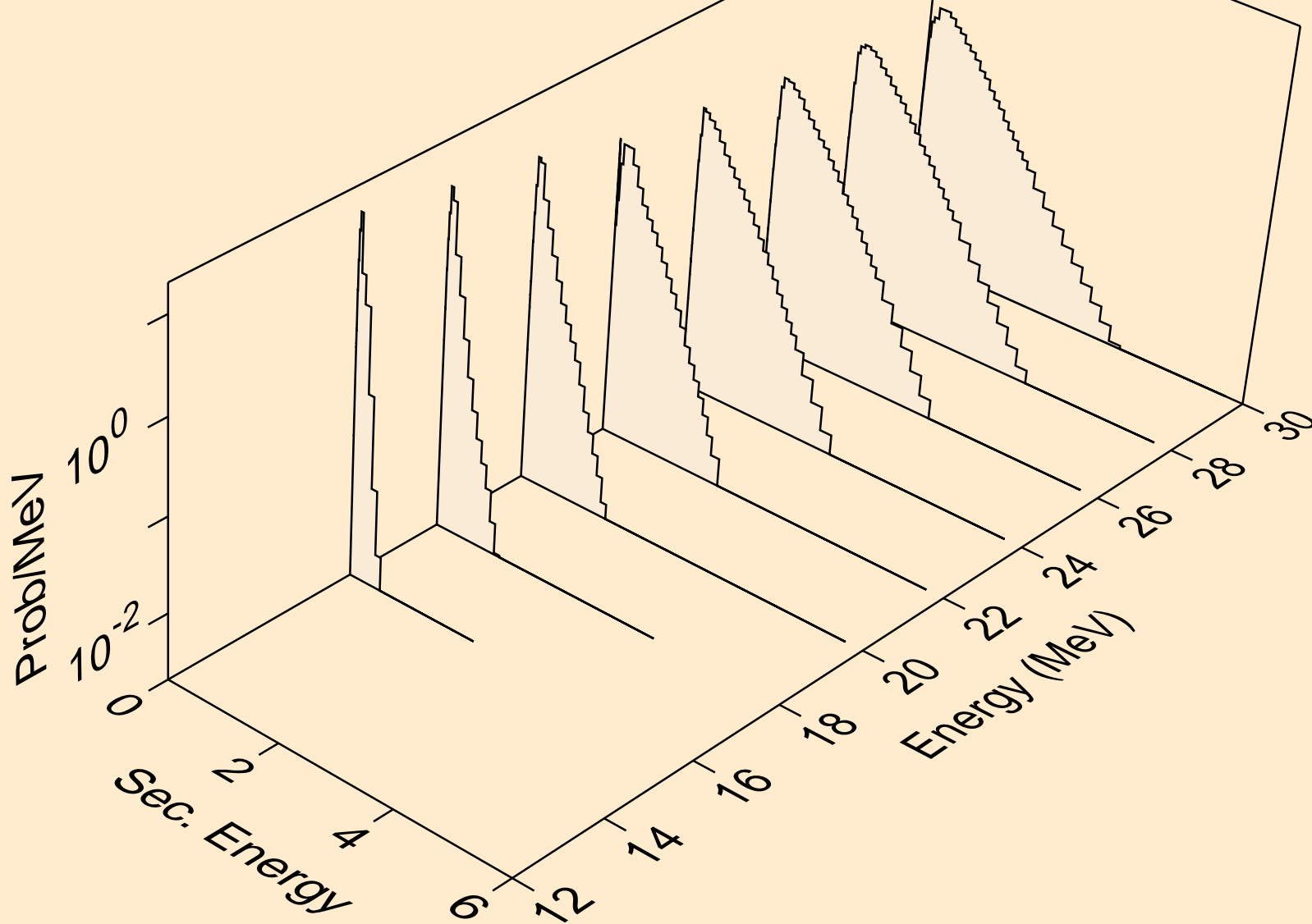
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



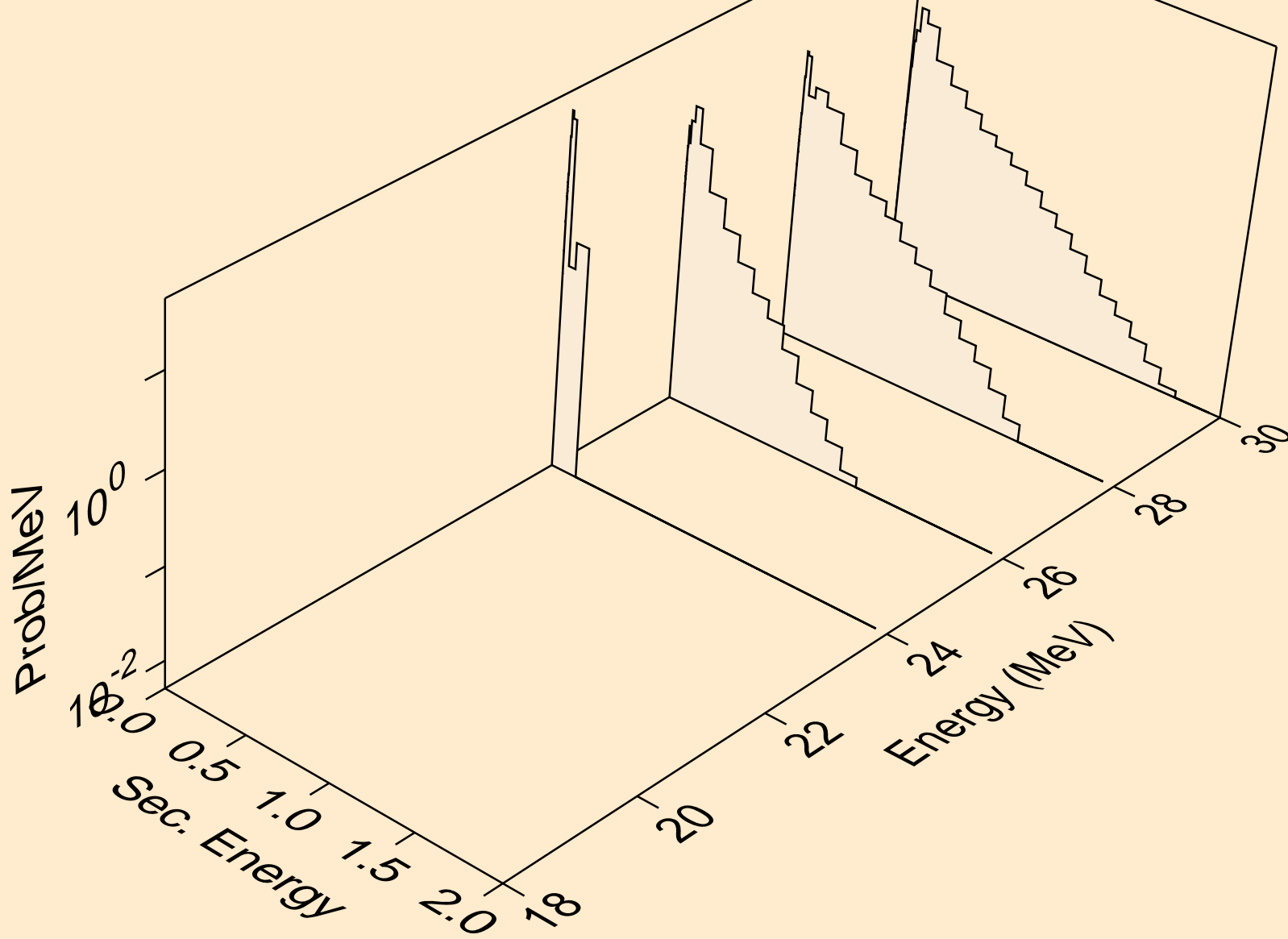
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



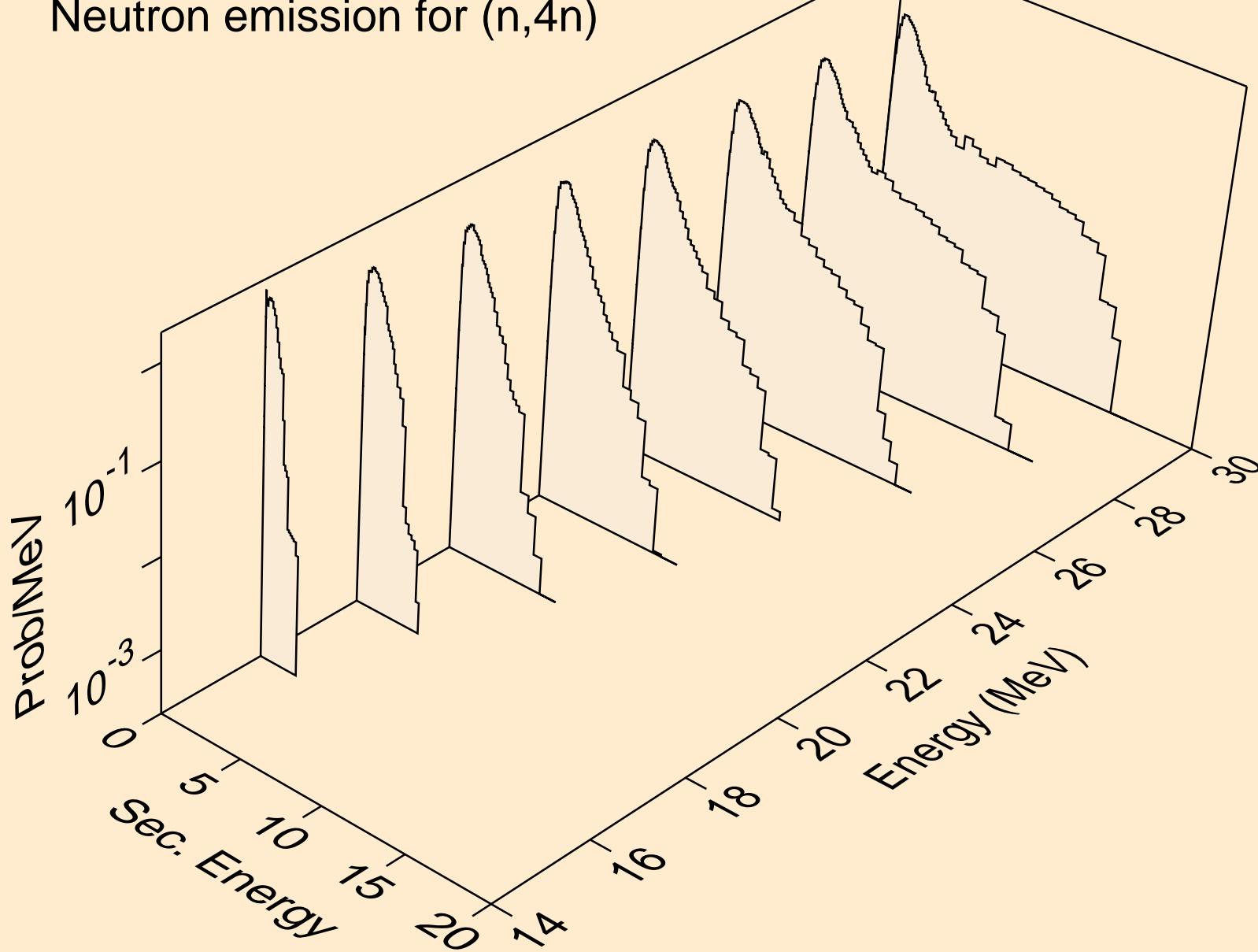
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



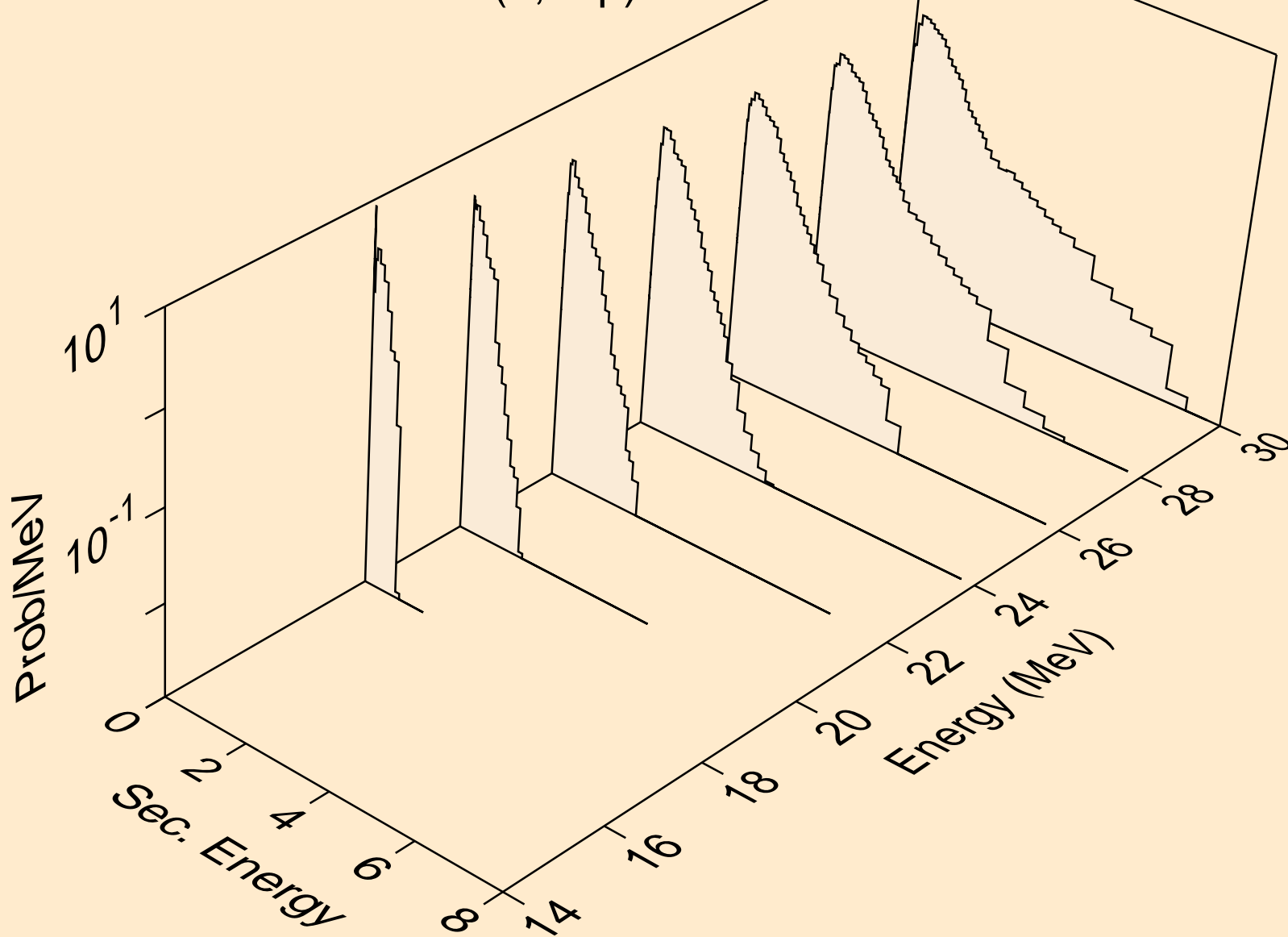
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



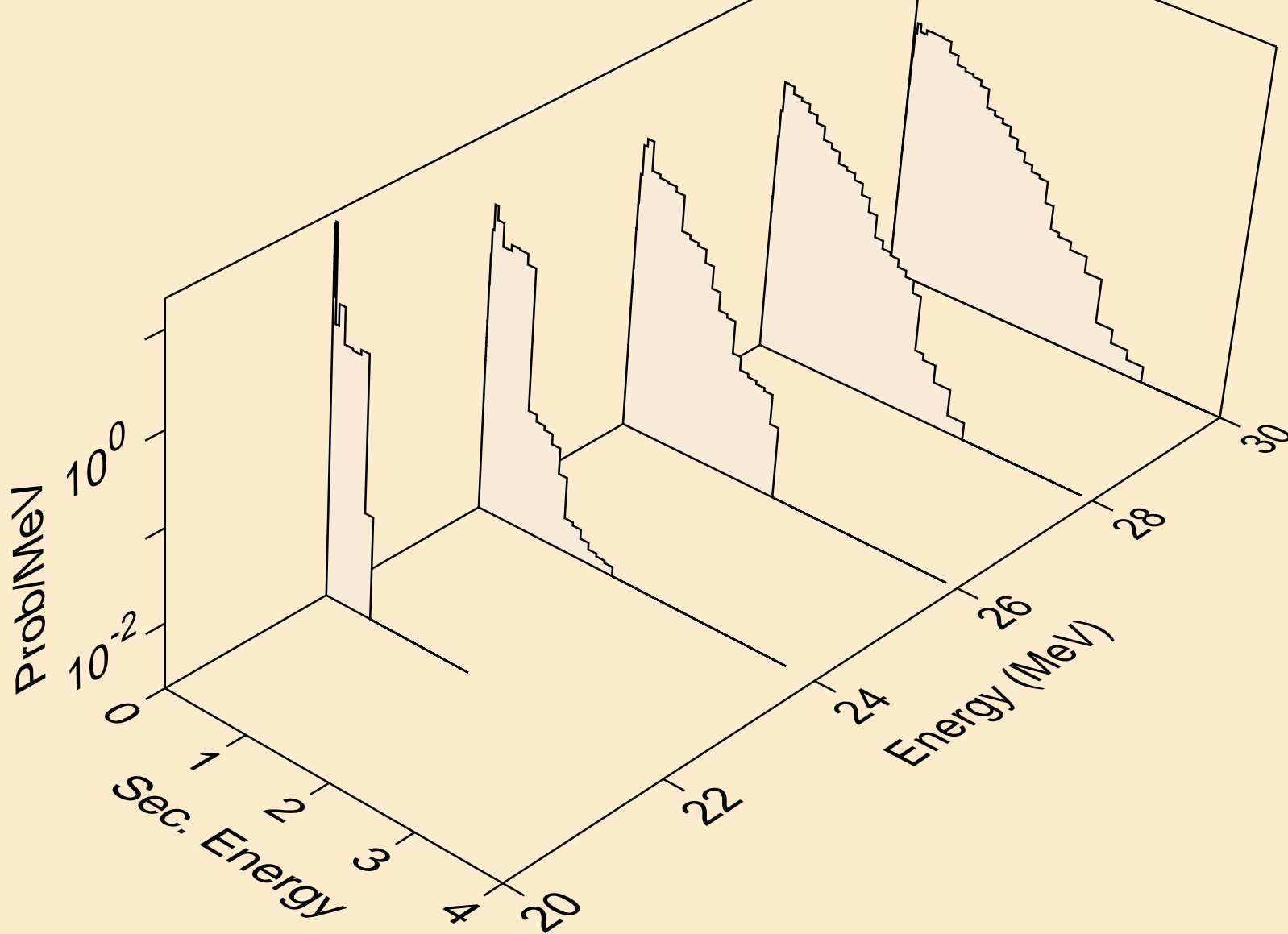
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



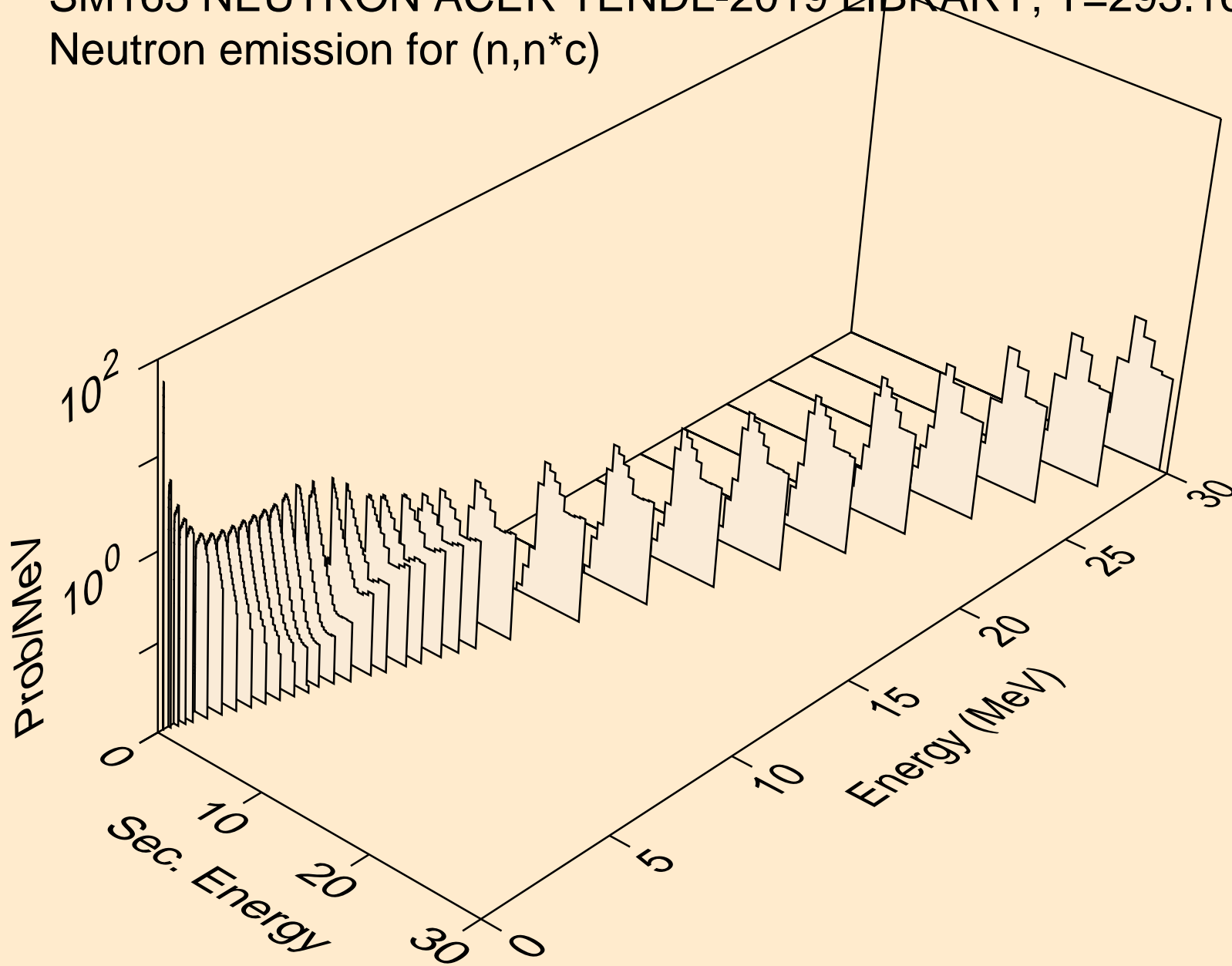
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Neutron emission for (n,2np)



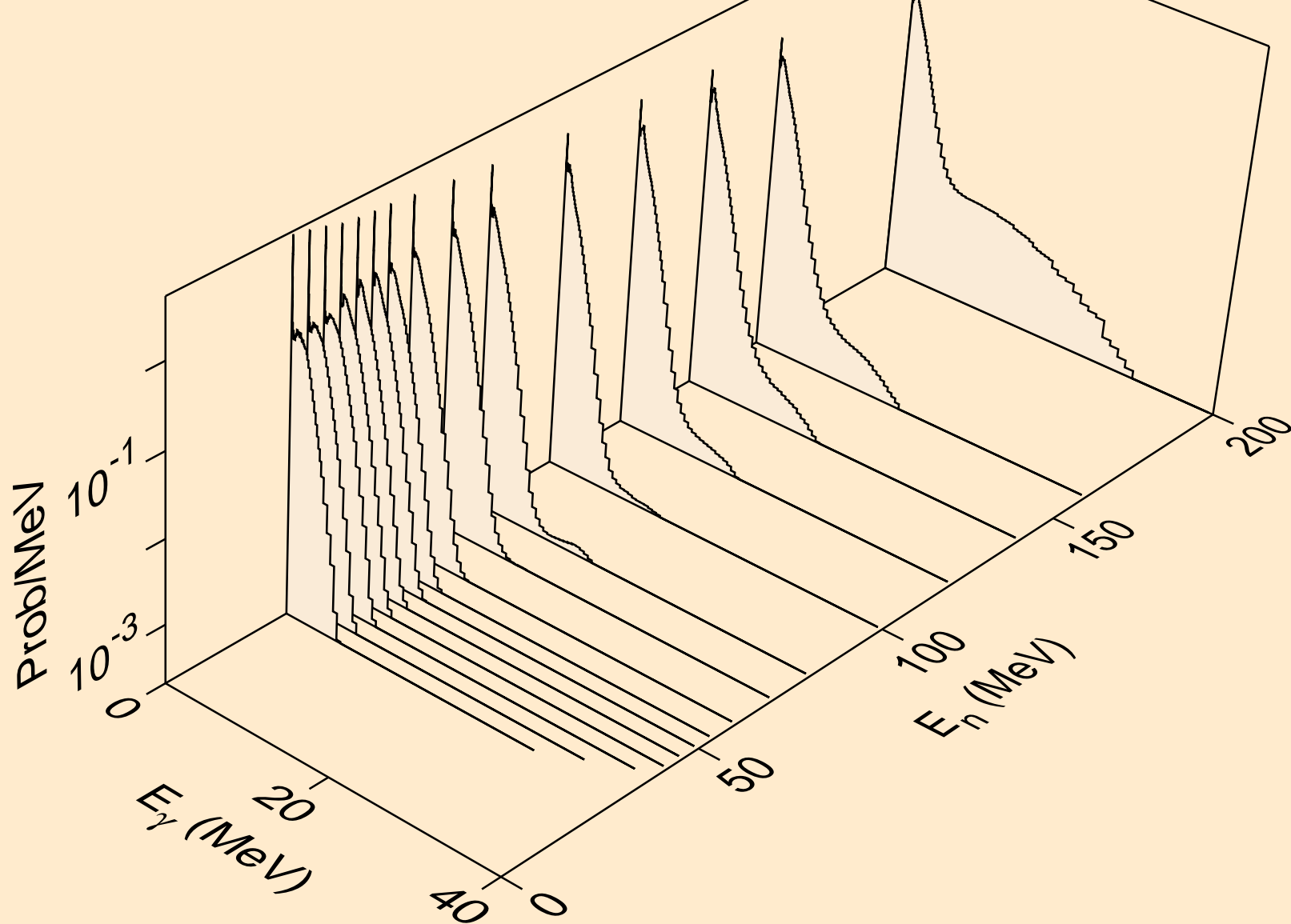
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Neutron emission for (n,3np)



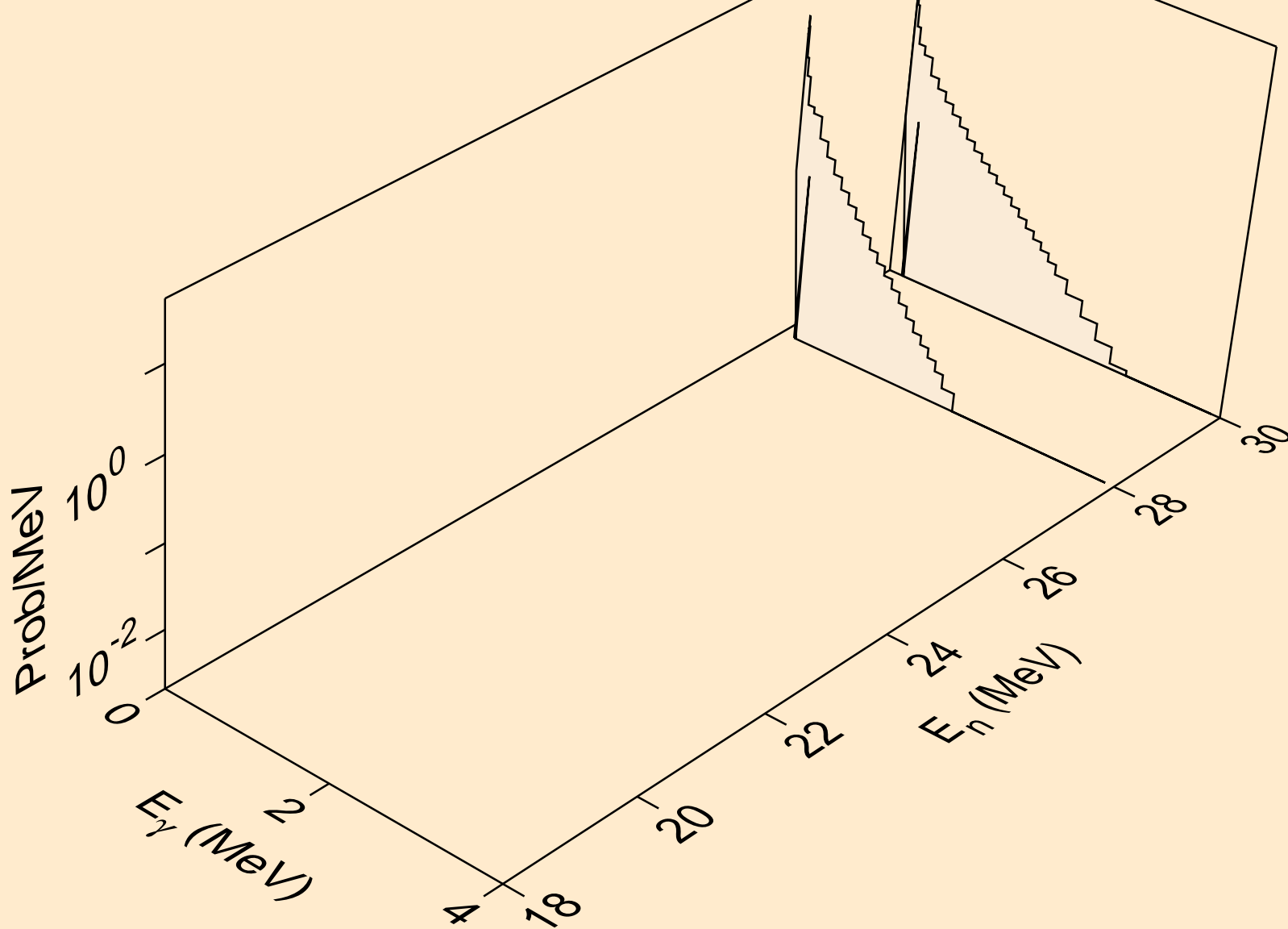
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Neutron emission for (n,n*c)



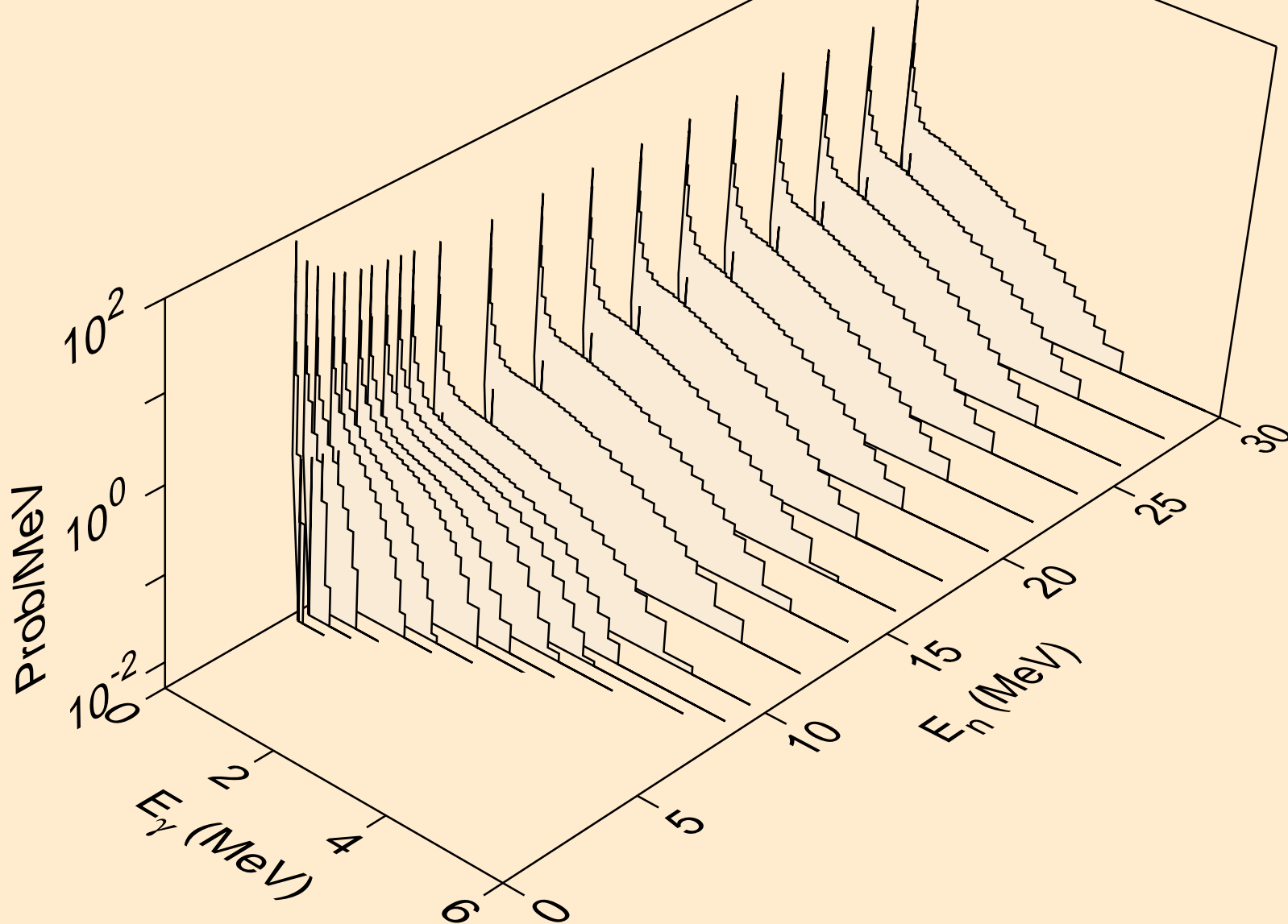
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Photon emission for (n,x)



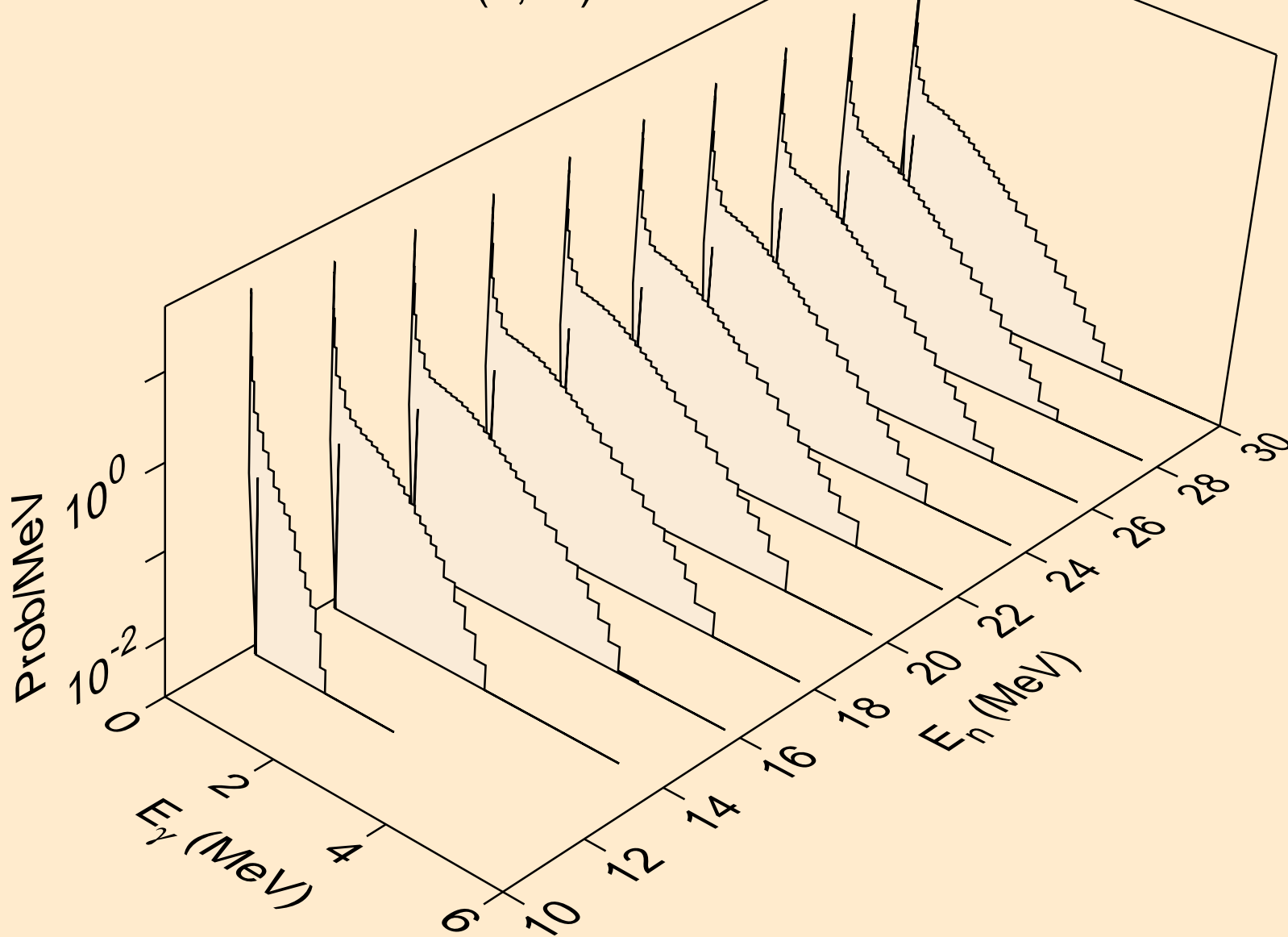
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Photon emission for (n,2nd)



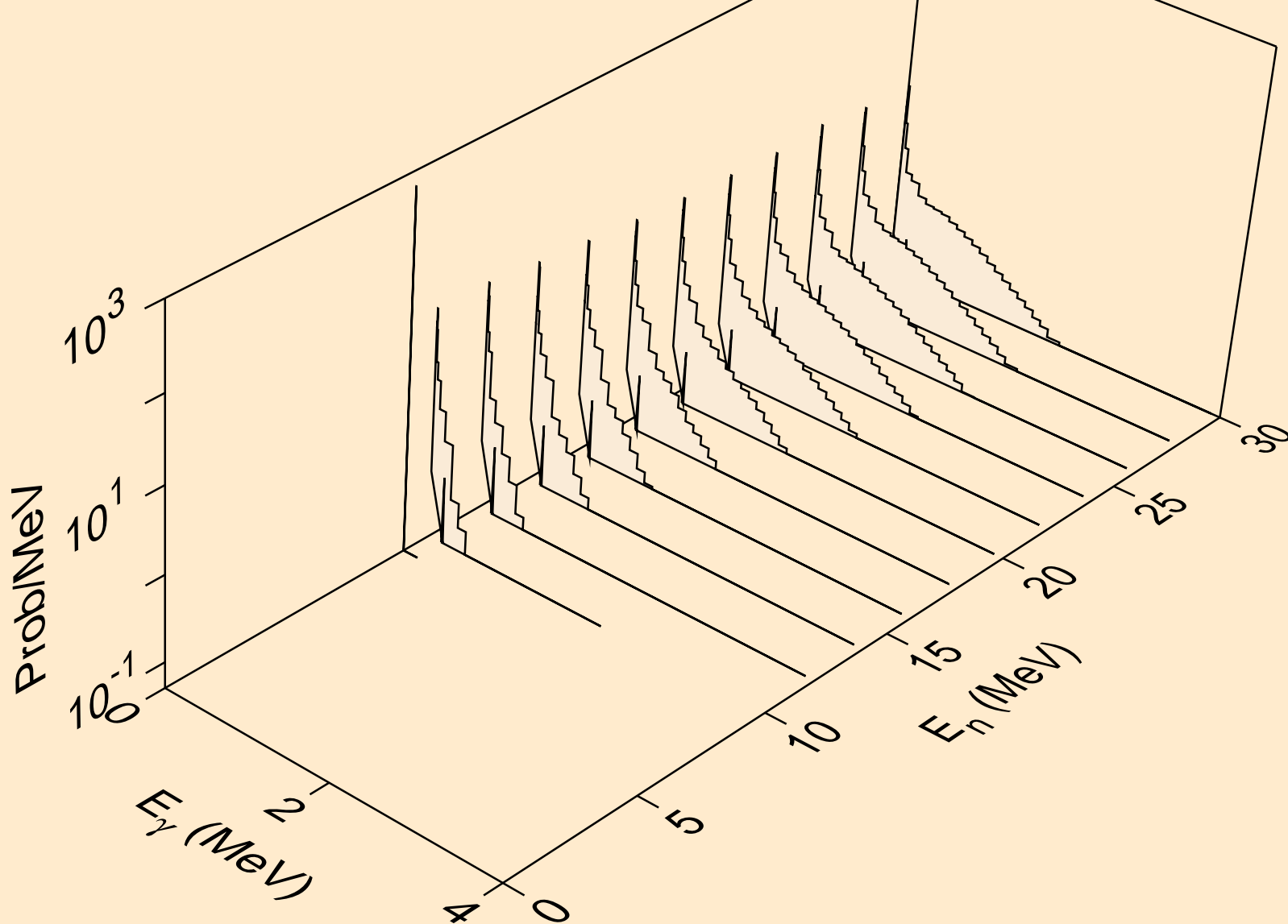
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Photon emission for (n,2n)



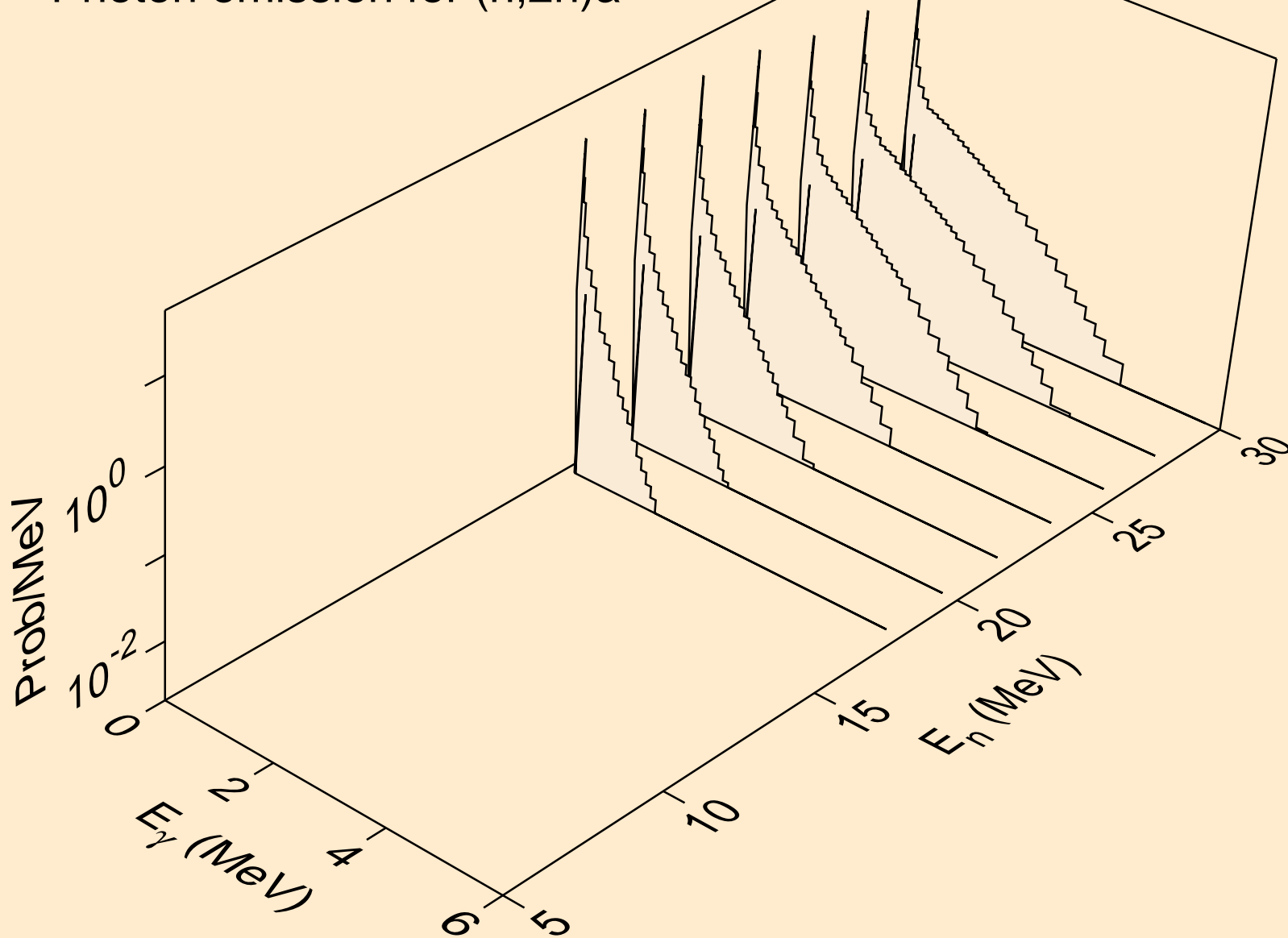
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



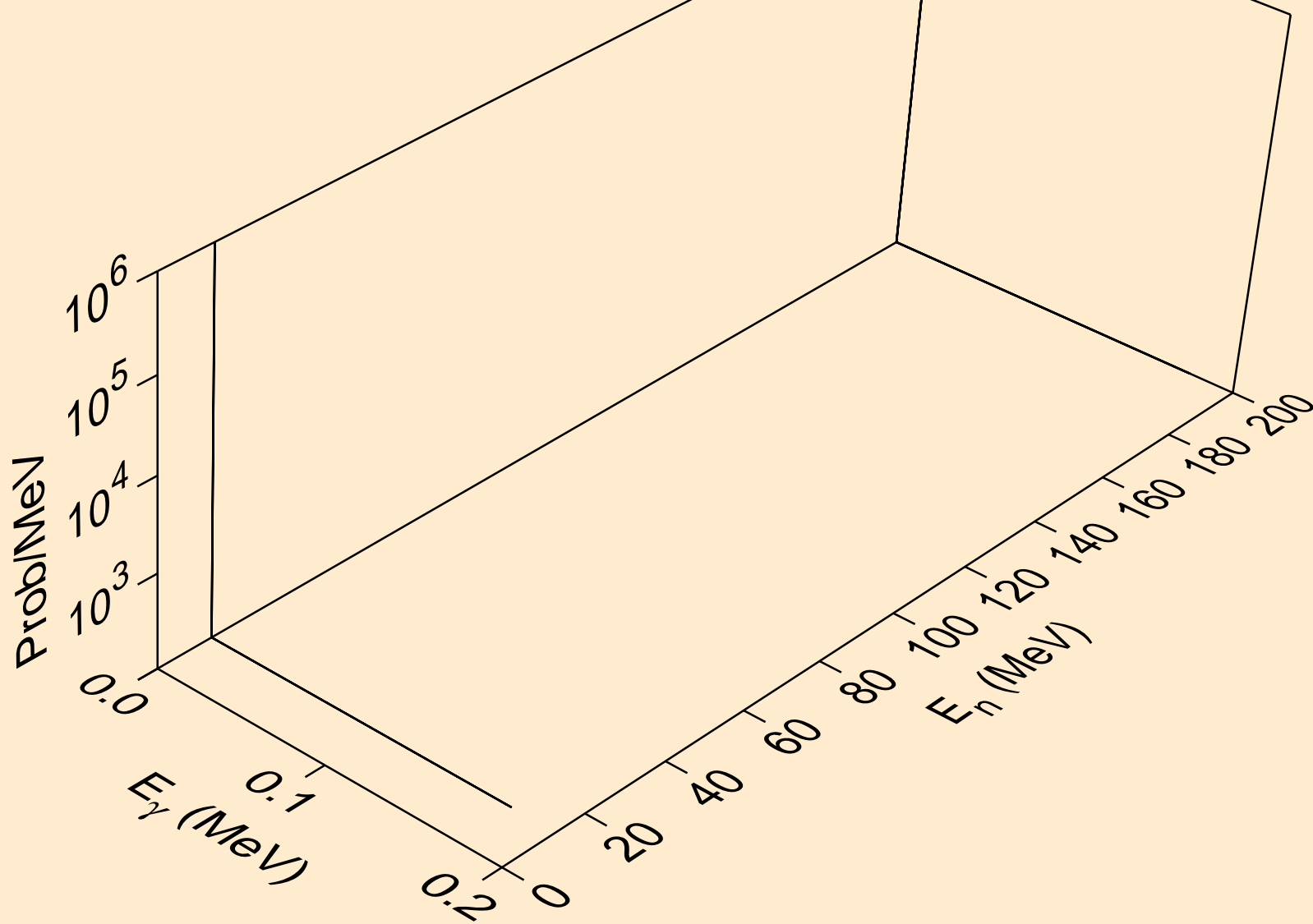
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Photon emission for (n,n*)a



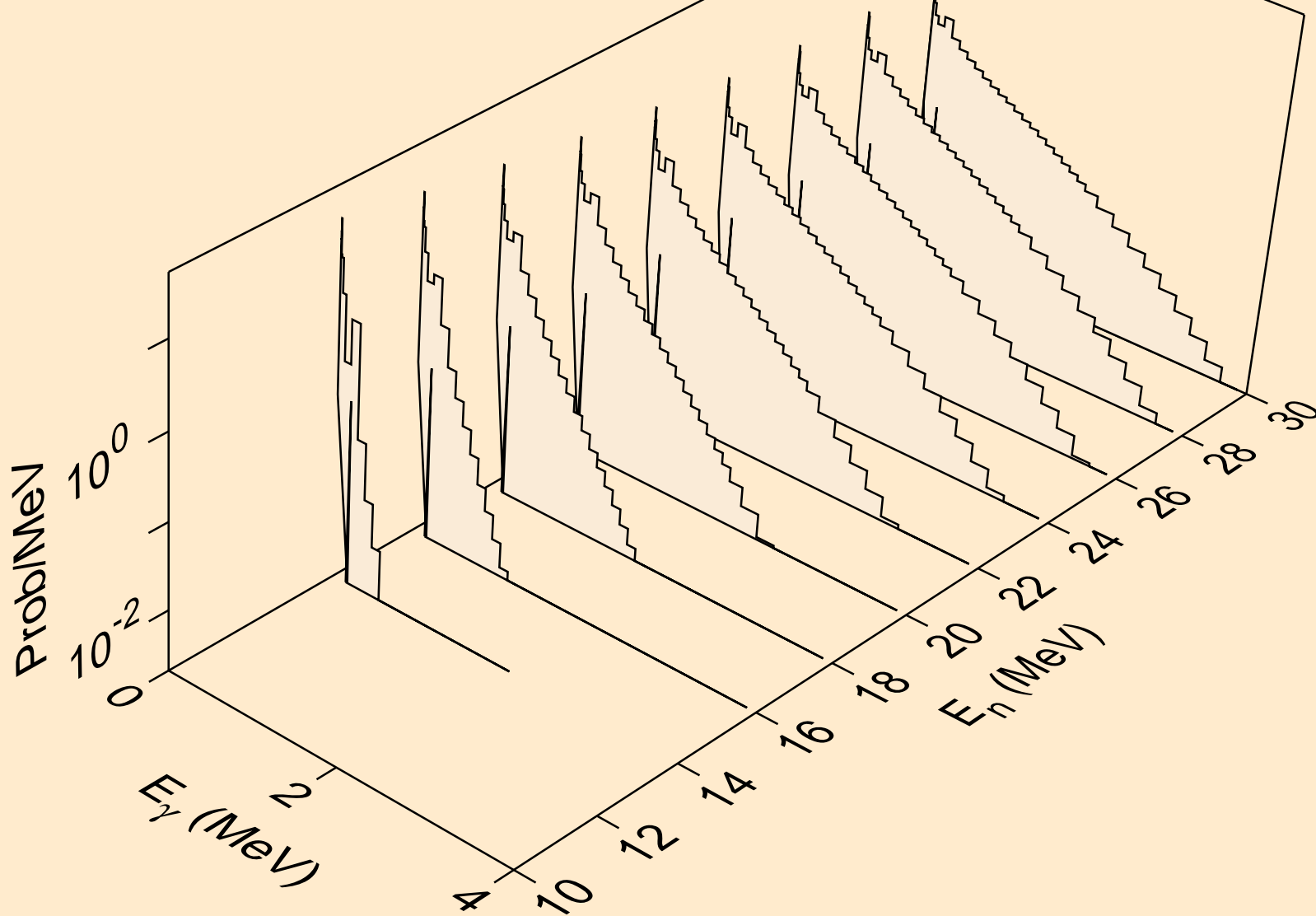
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



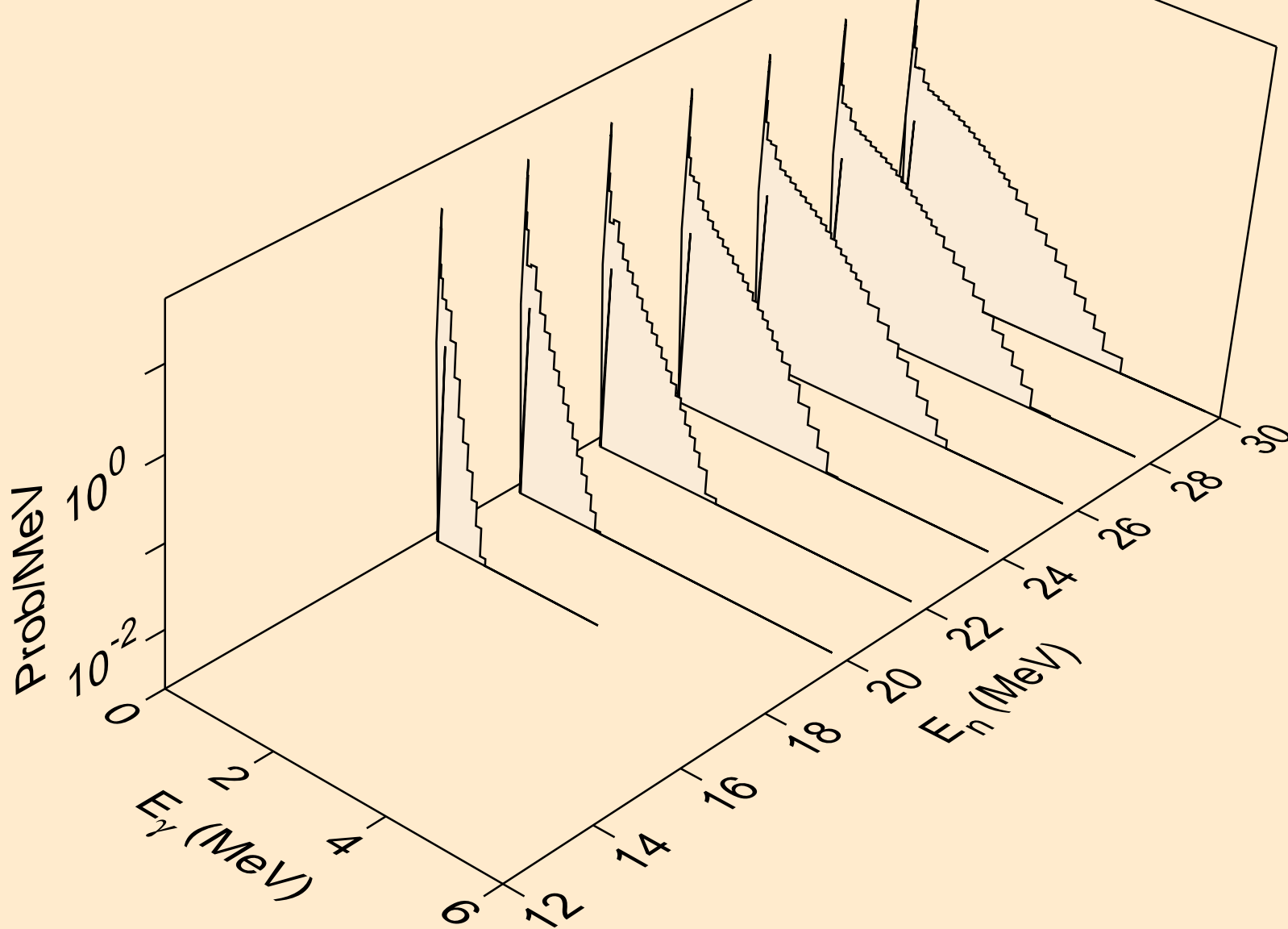
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Photon emission for (n,3n)a



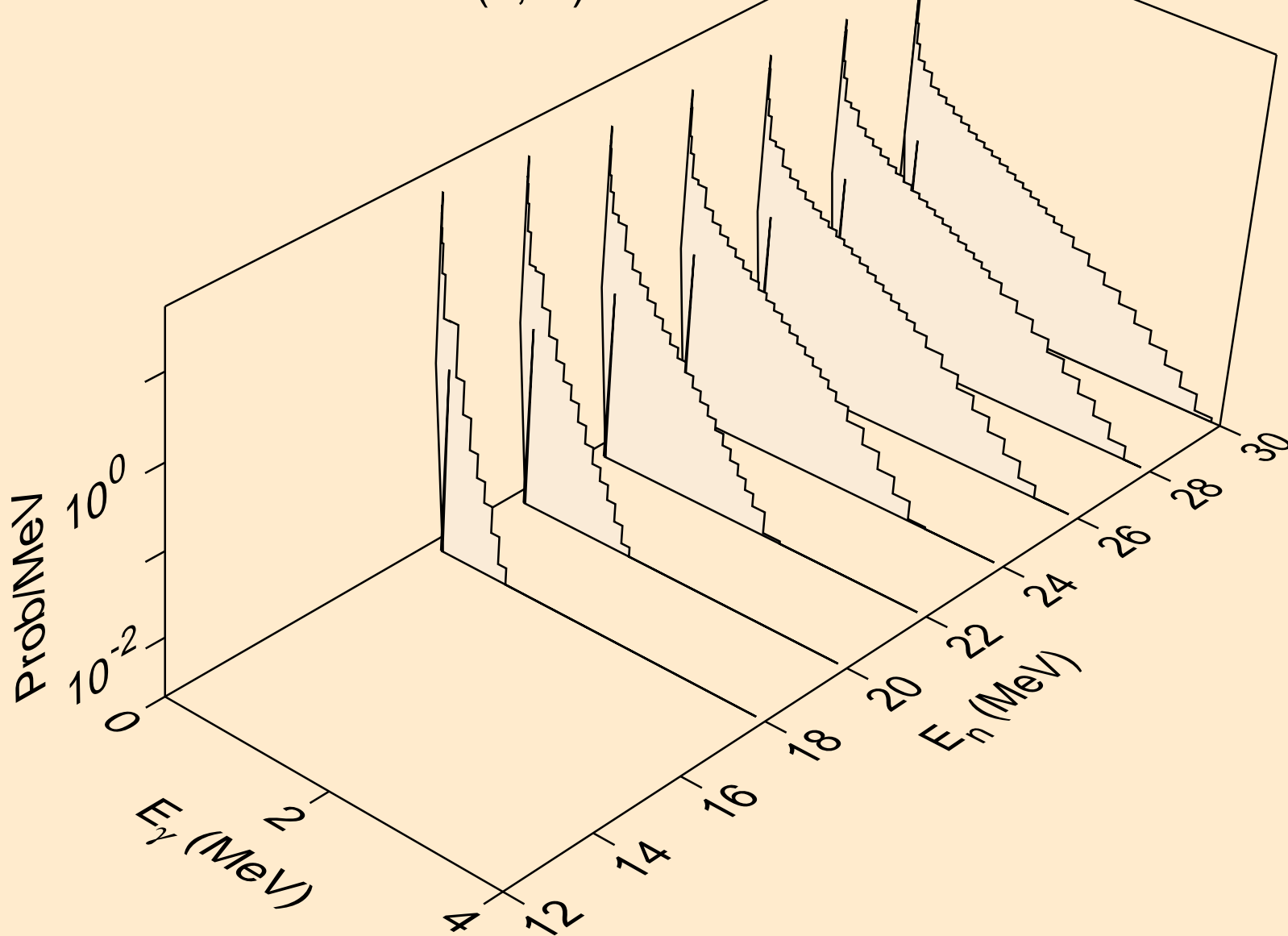
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Photon emission for (n,n*)p



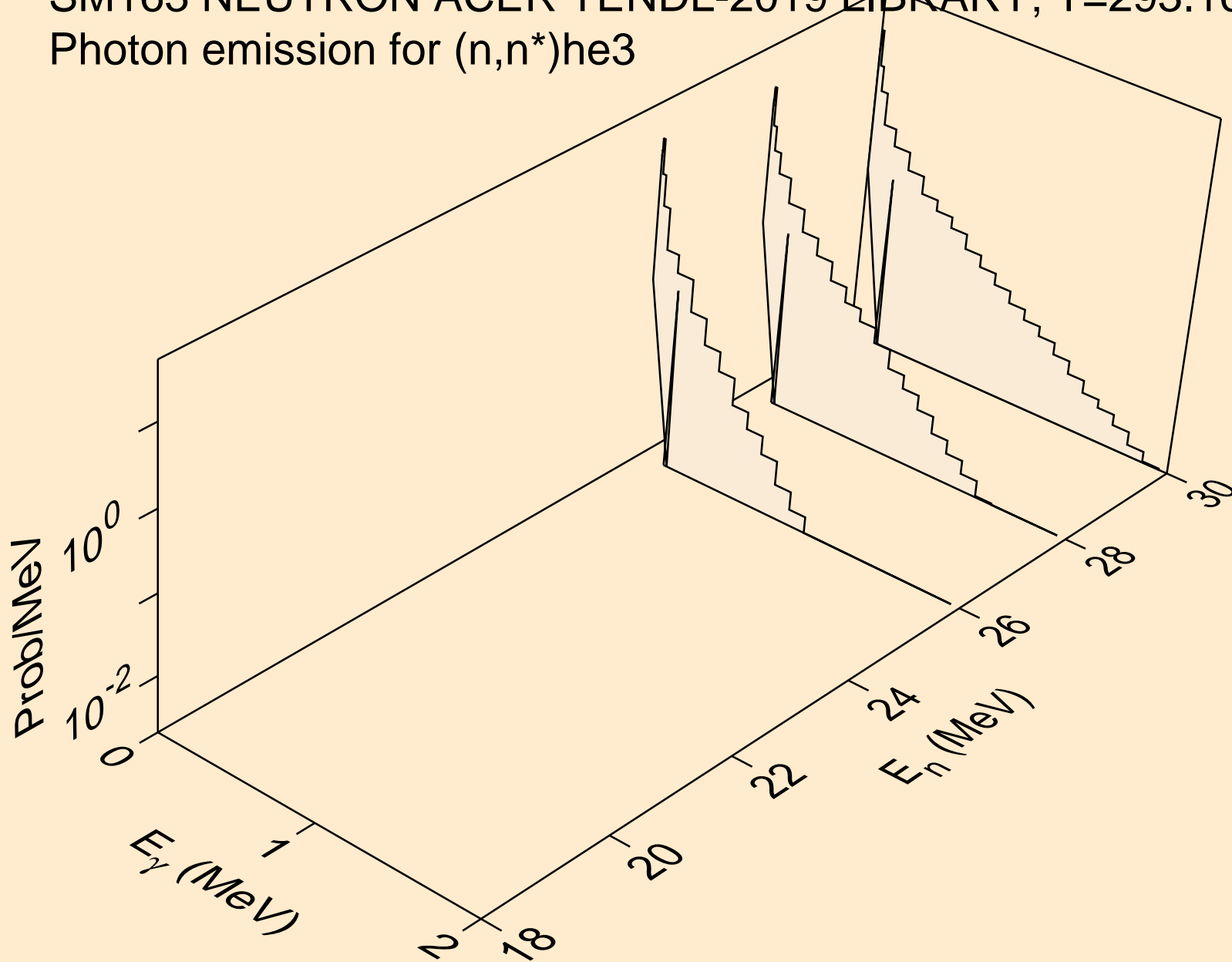
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Photon emission for (n,n*)d



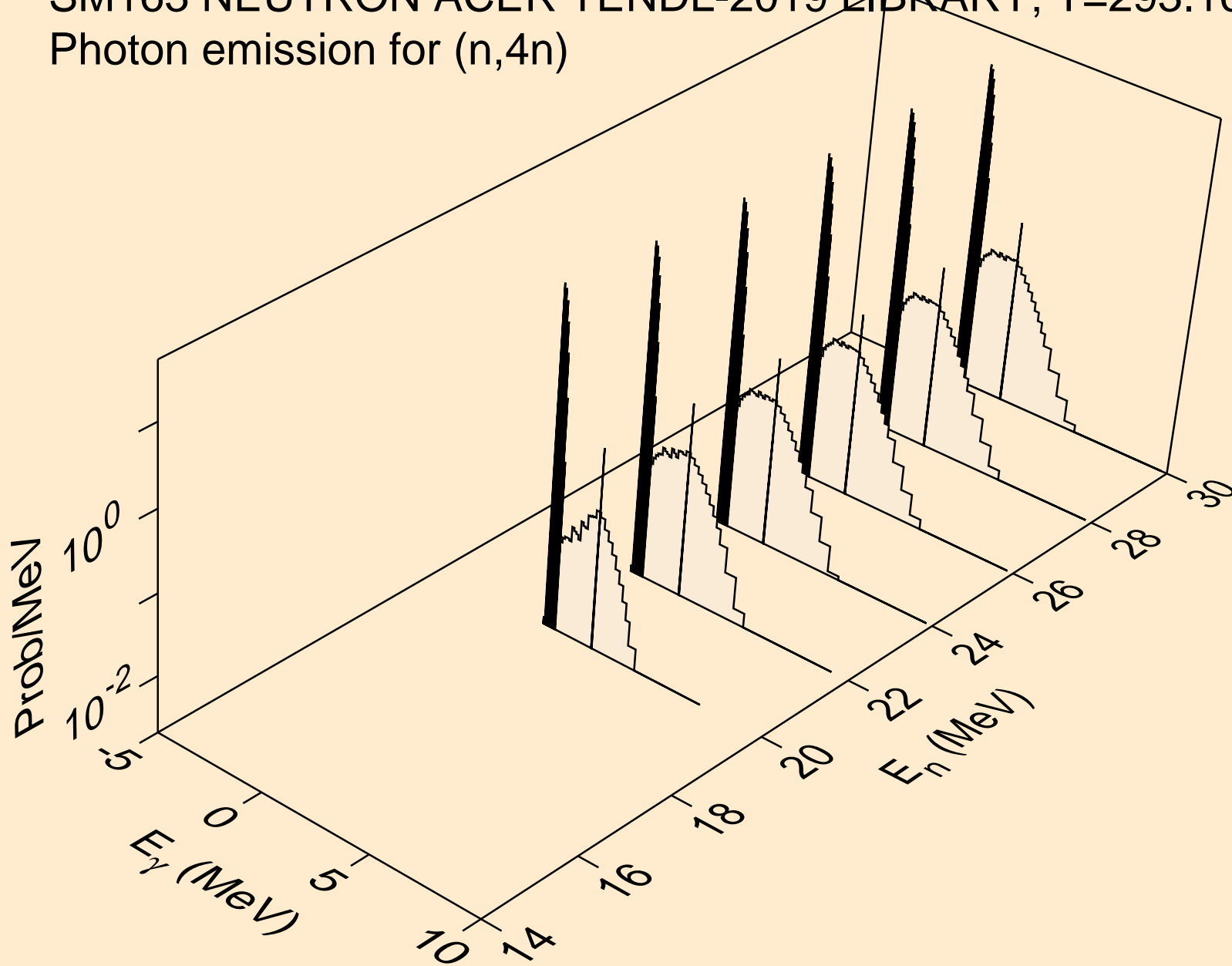
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



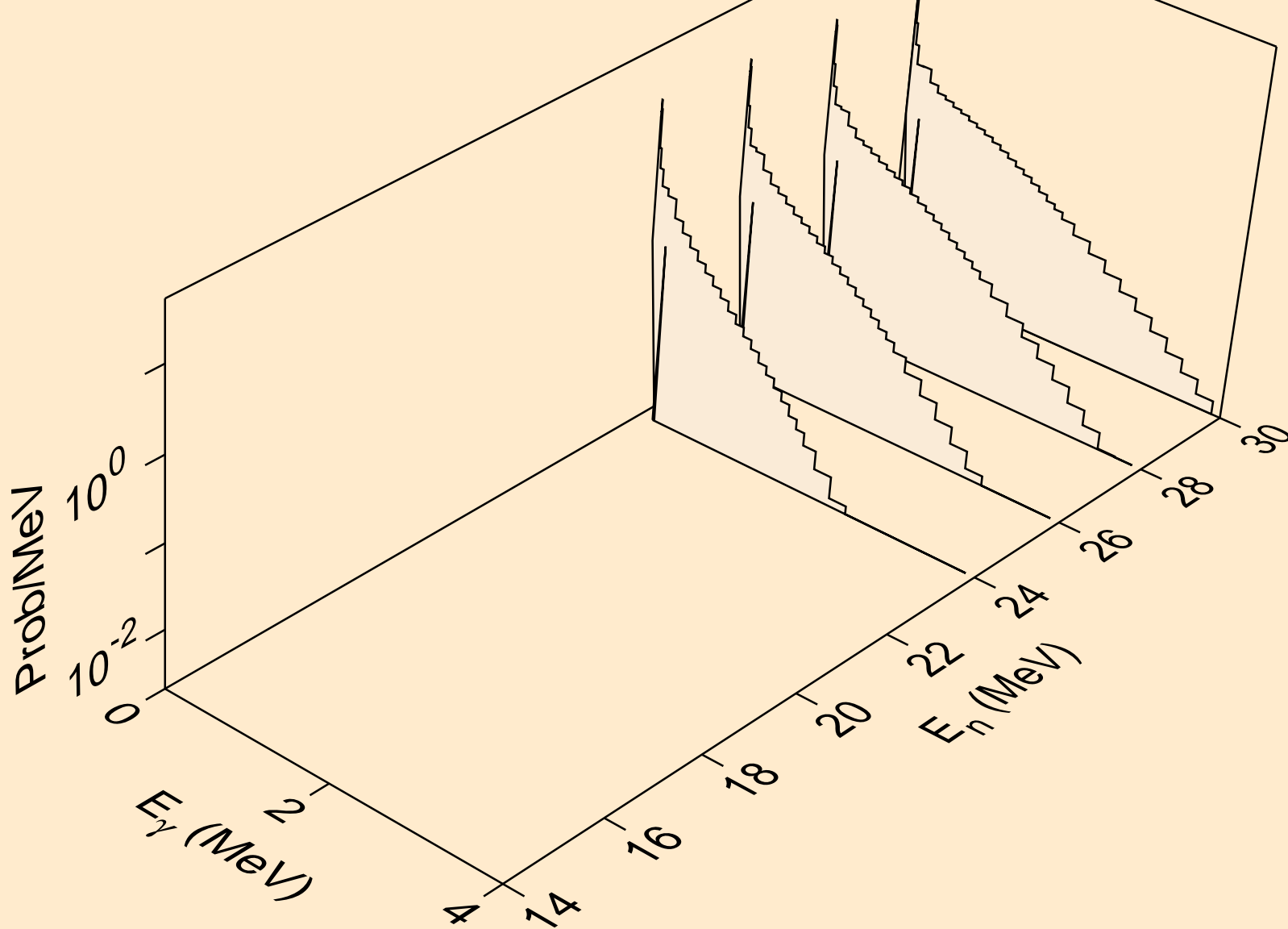
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Photon emission for (n,n*)he3



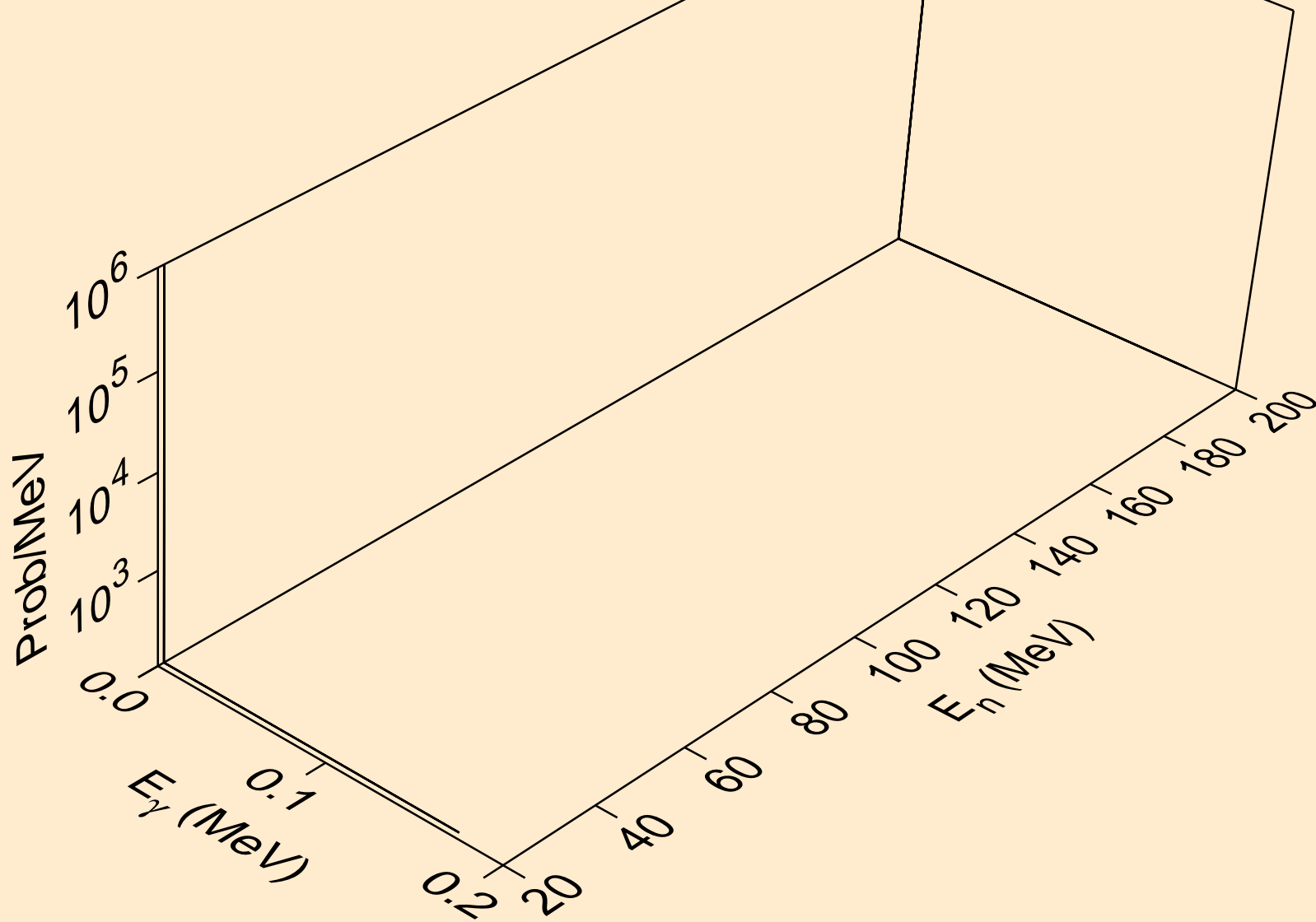
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



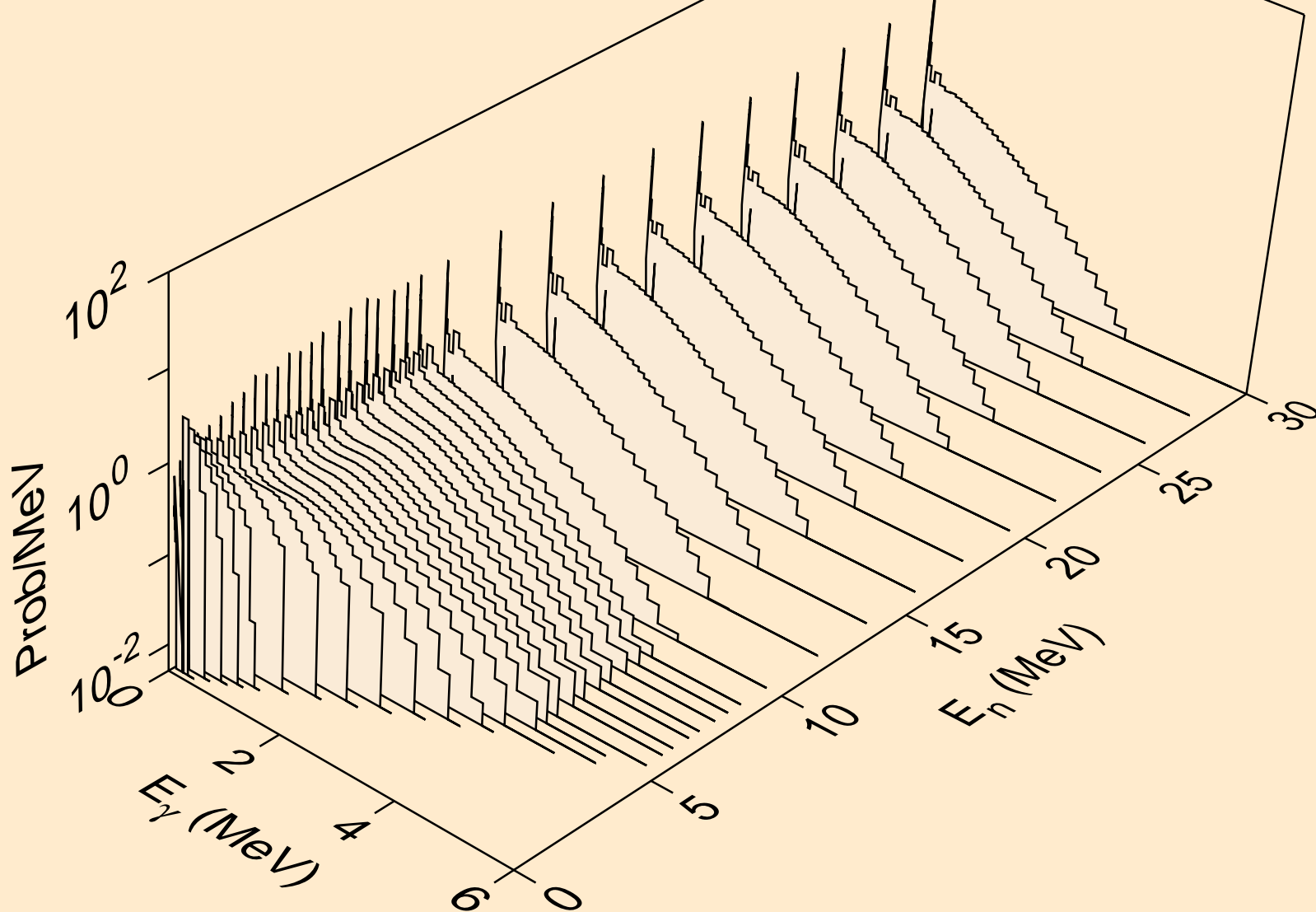
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Photon emission for (n,2np)



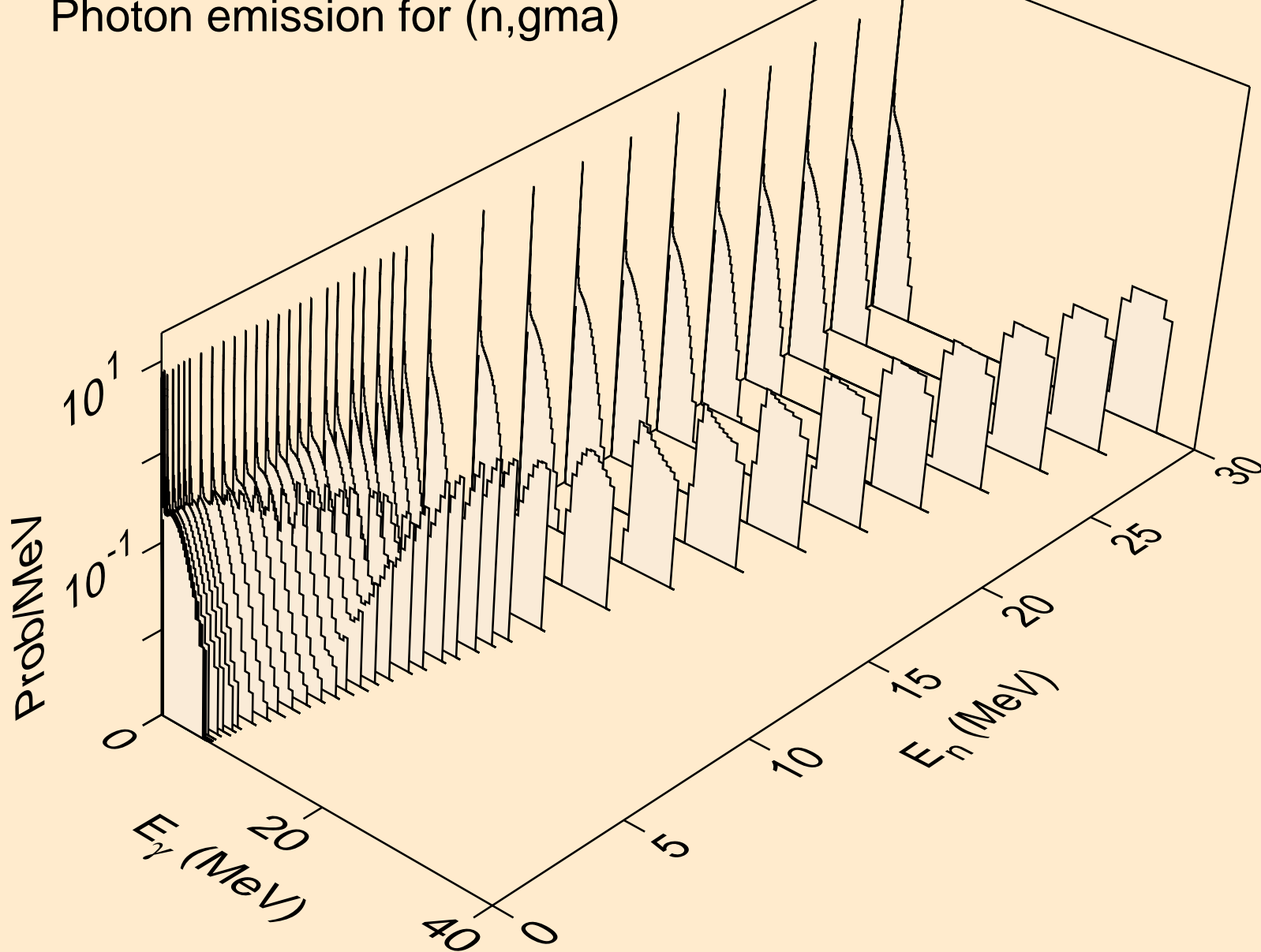
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Photon emission for (n,3np)



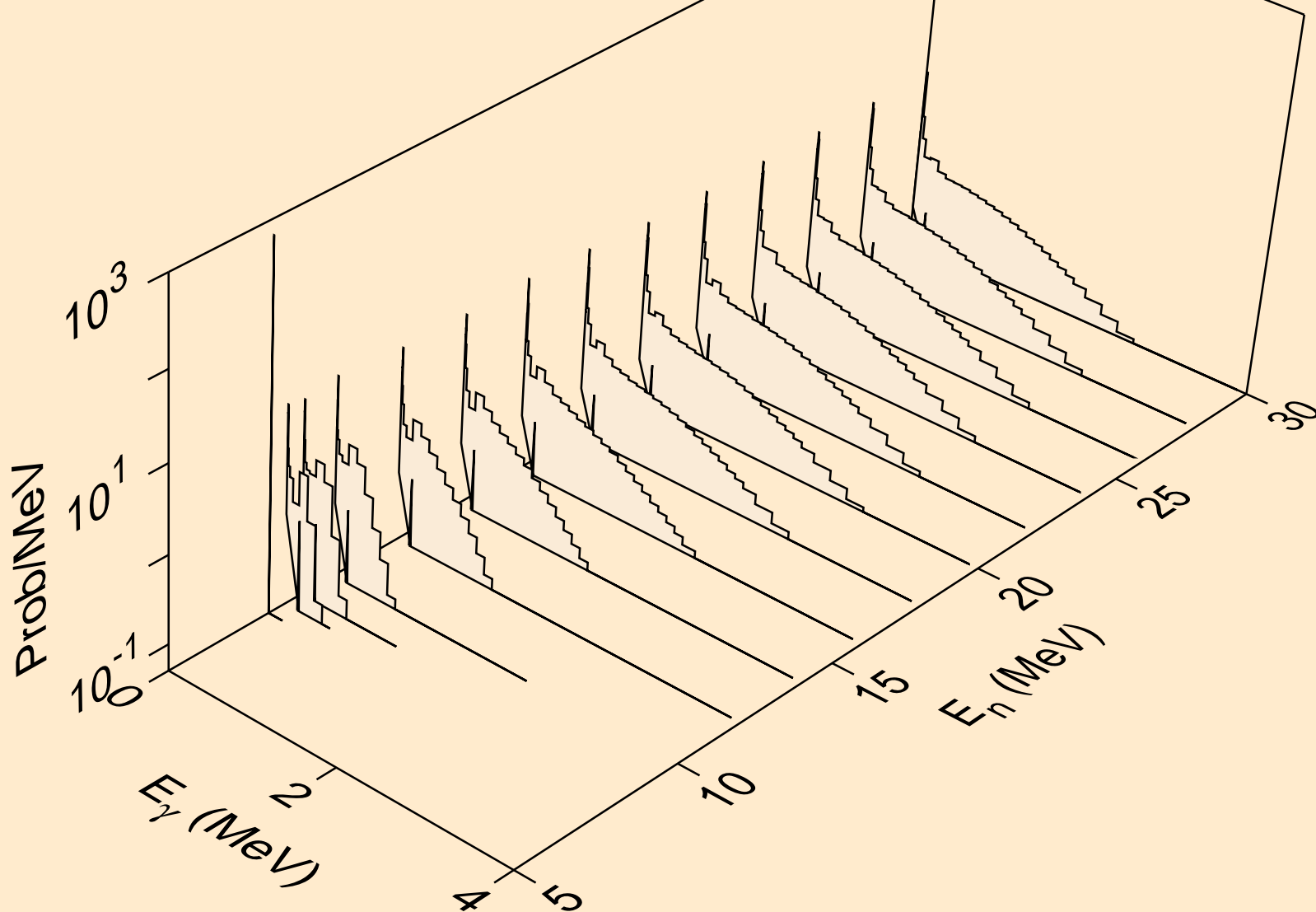
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



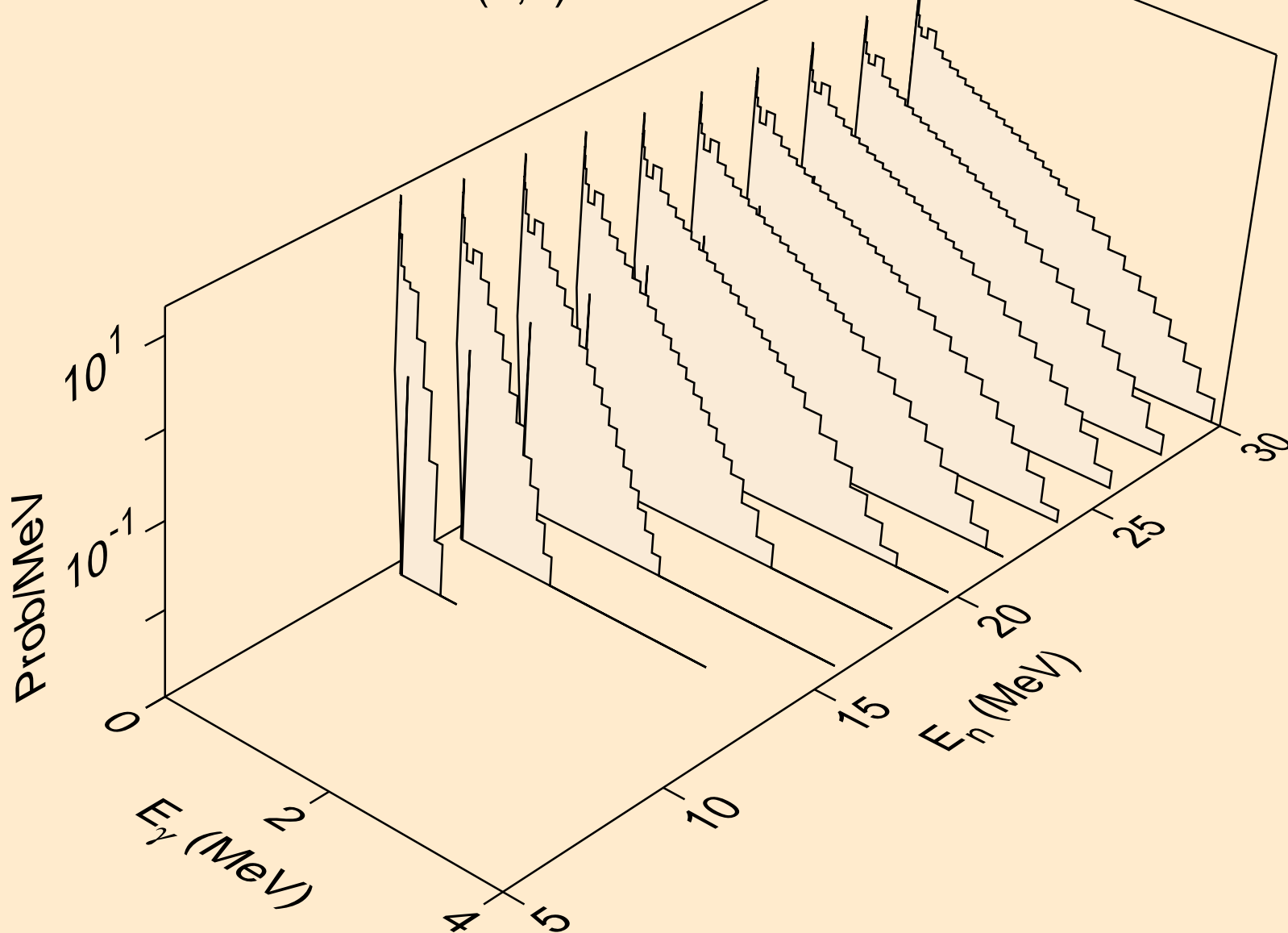
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Photon emission for (n,gma)



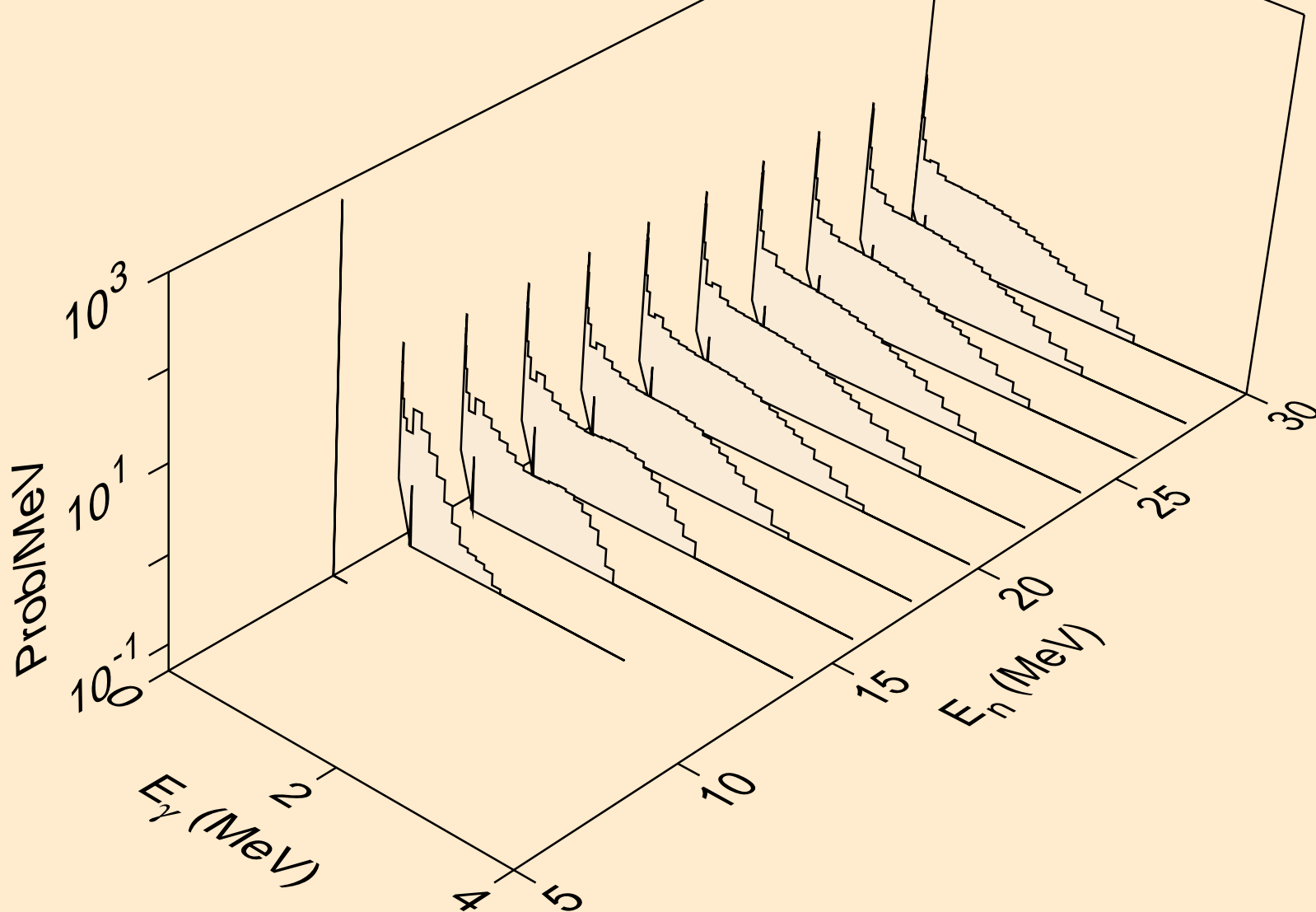
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Photon emission for (n,p)



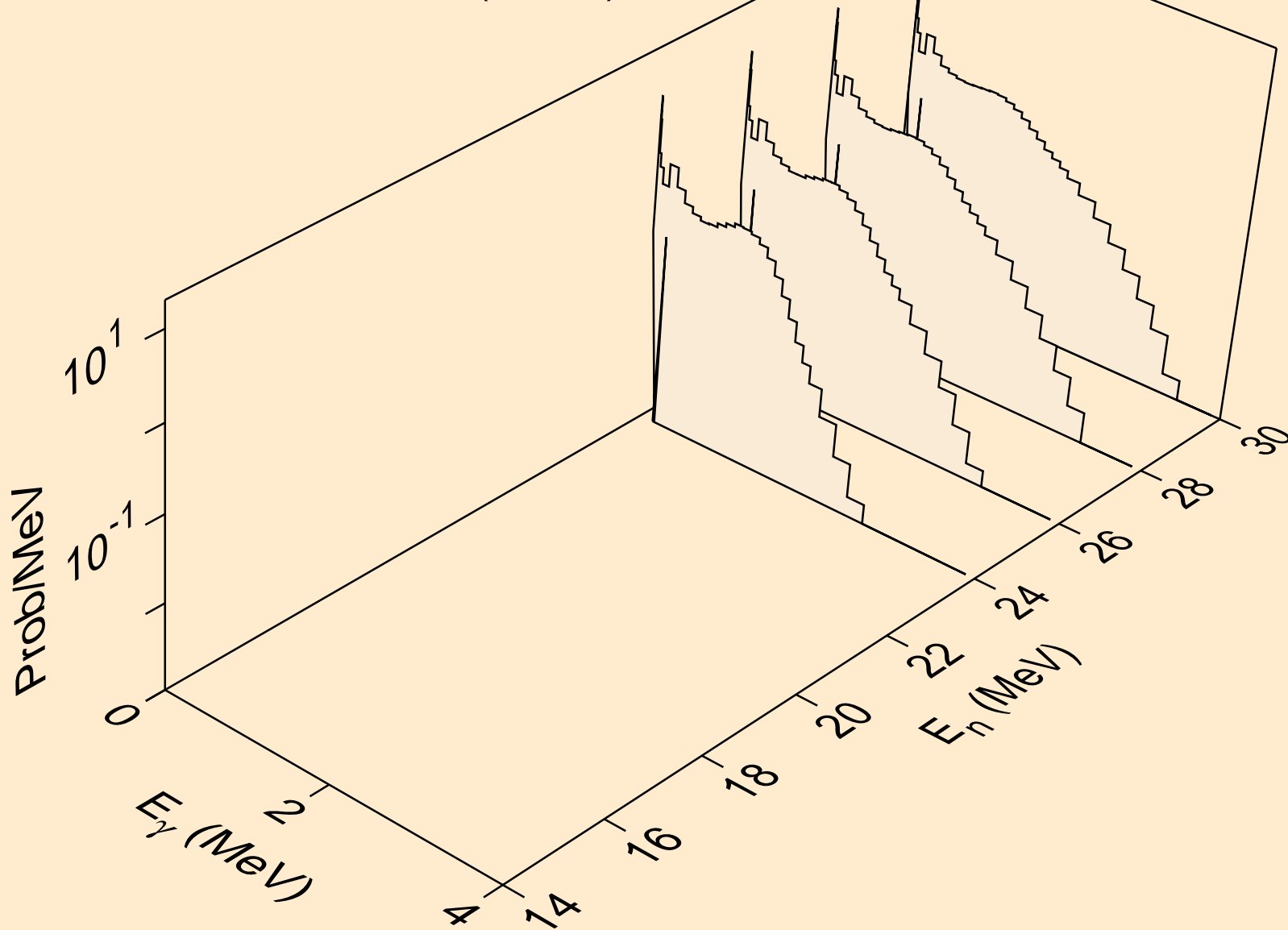
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Photon emission for (n,d)



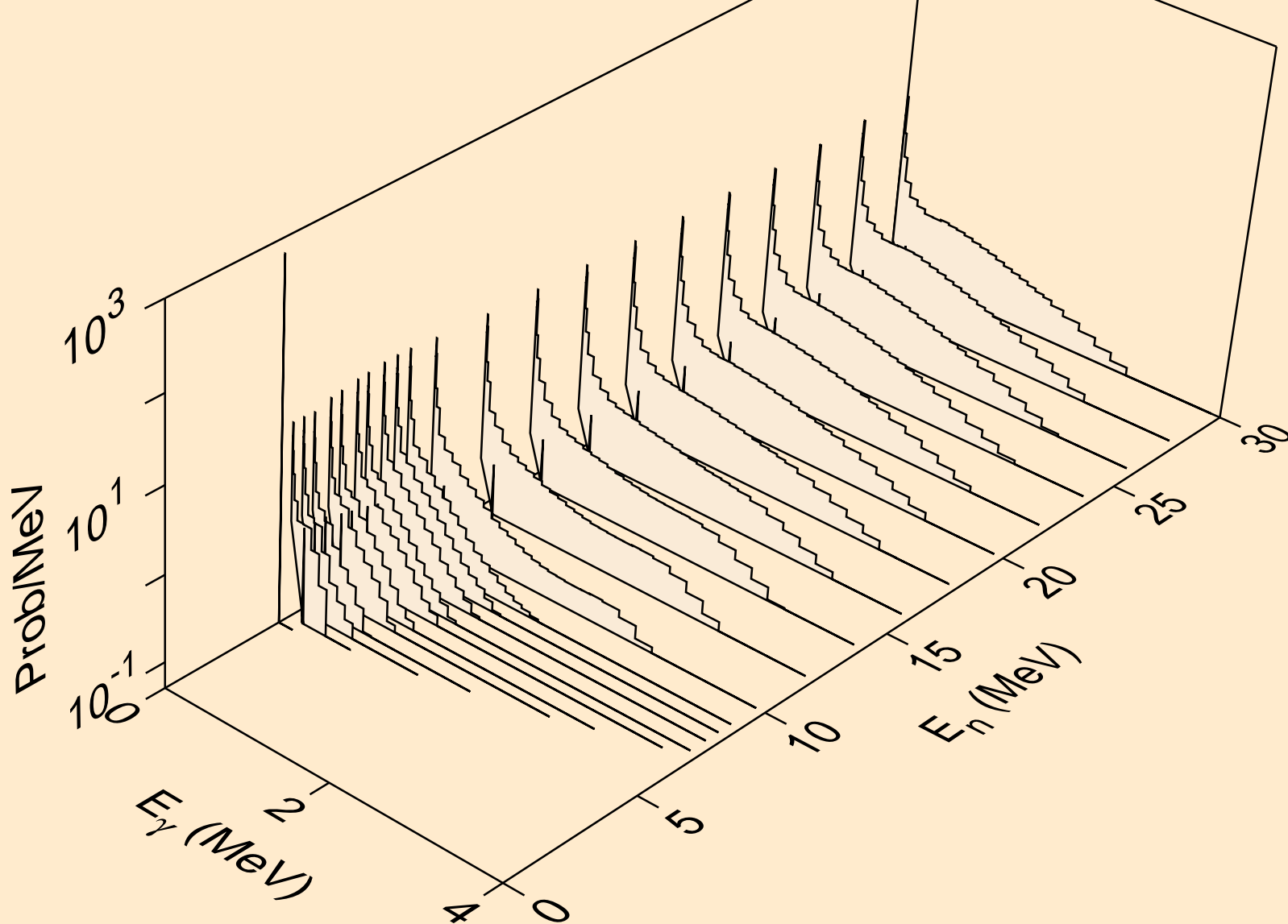
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



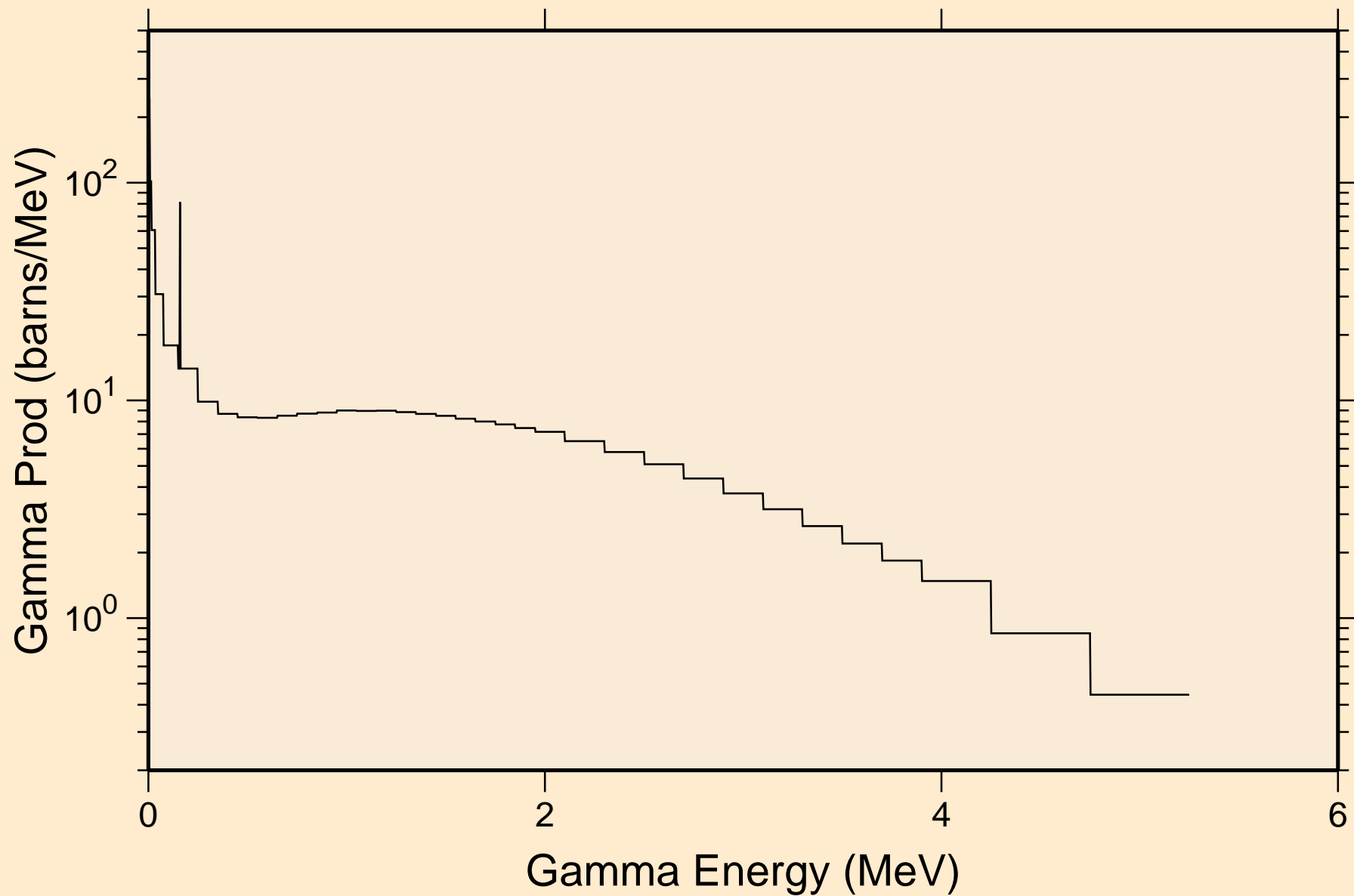
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



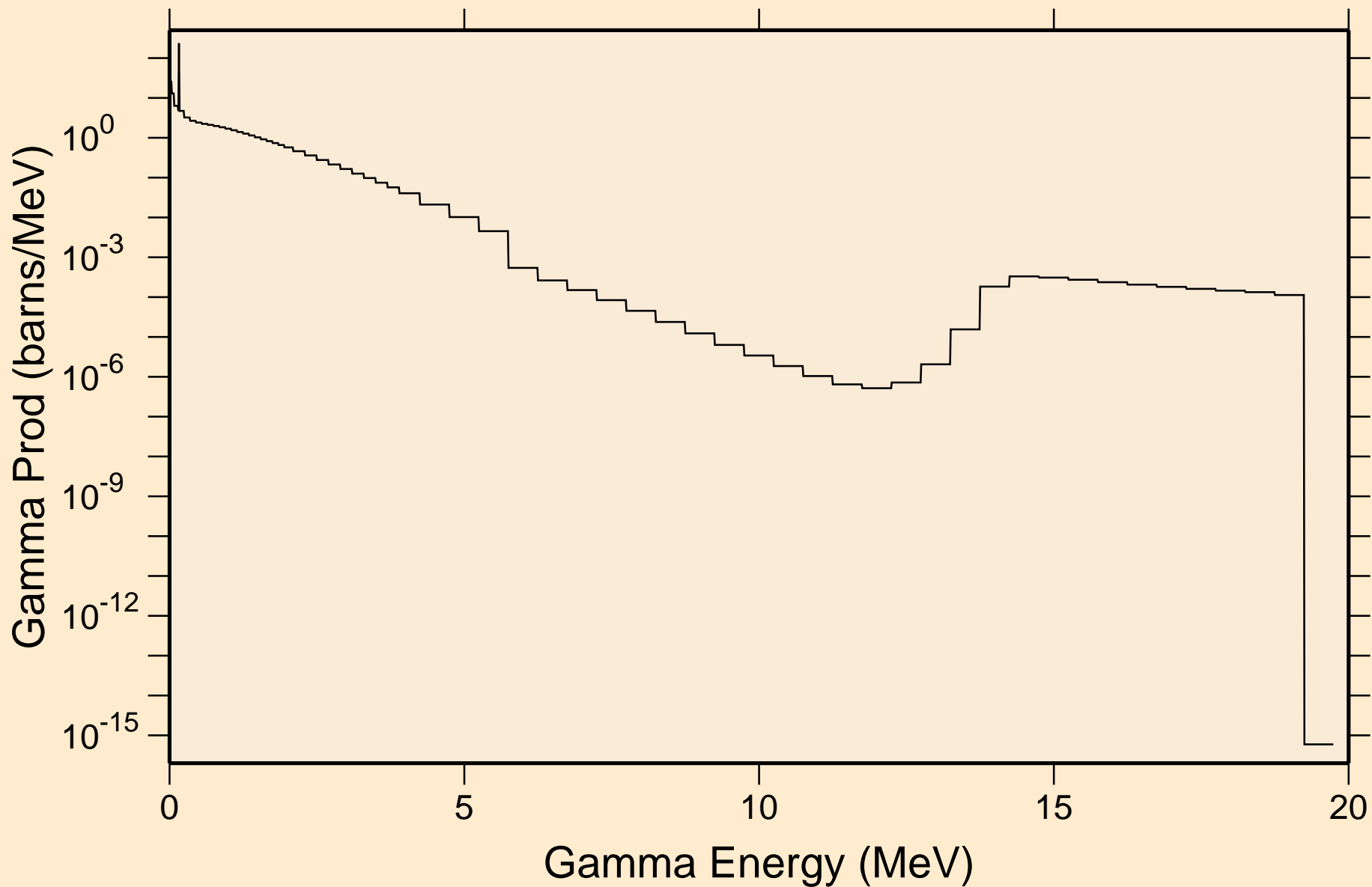
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

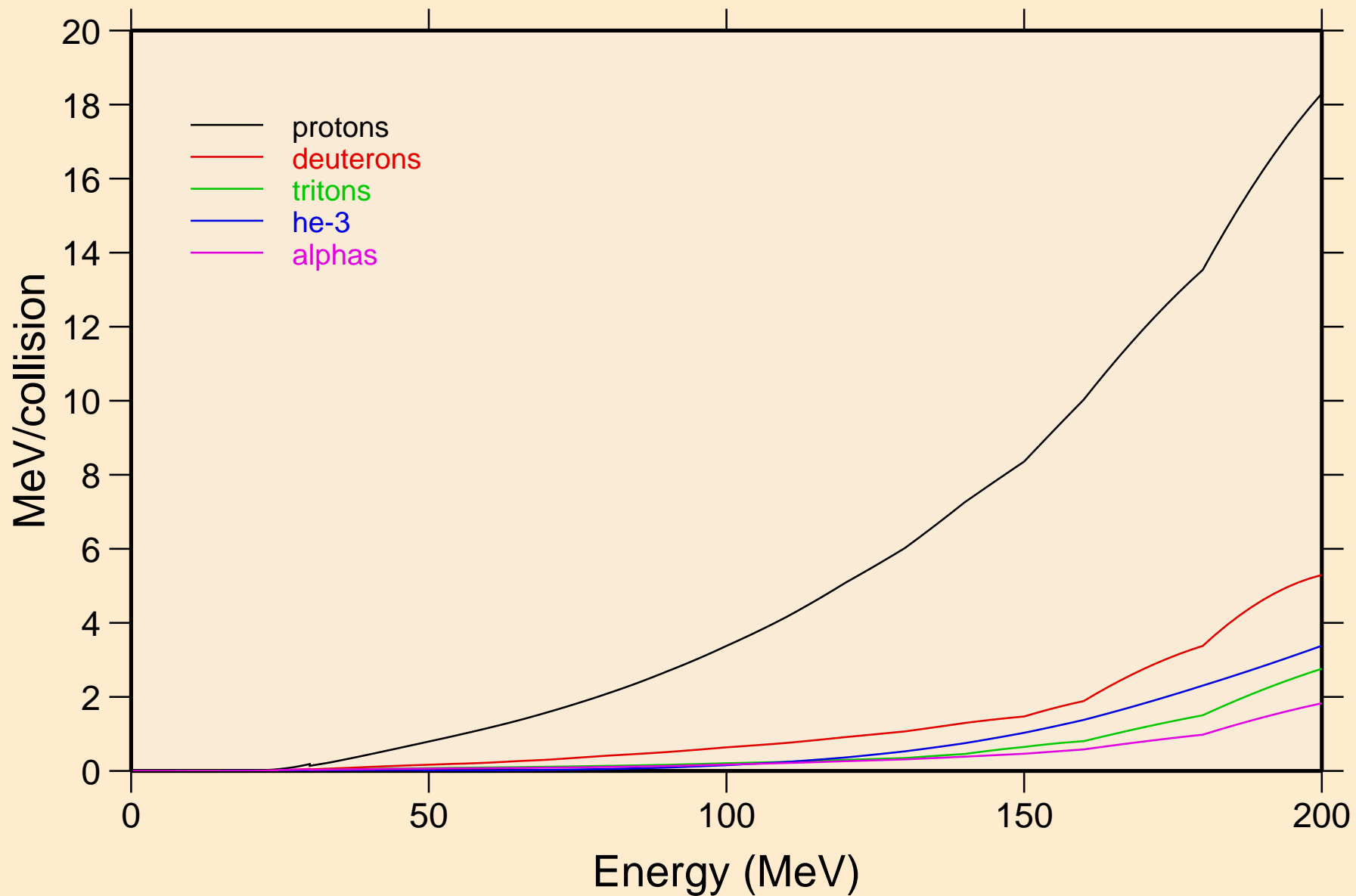


SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

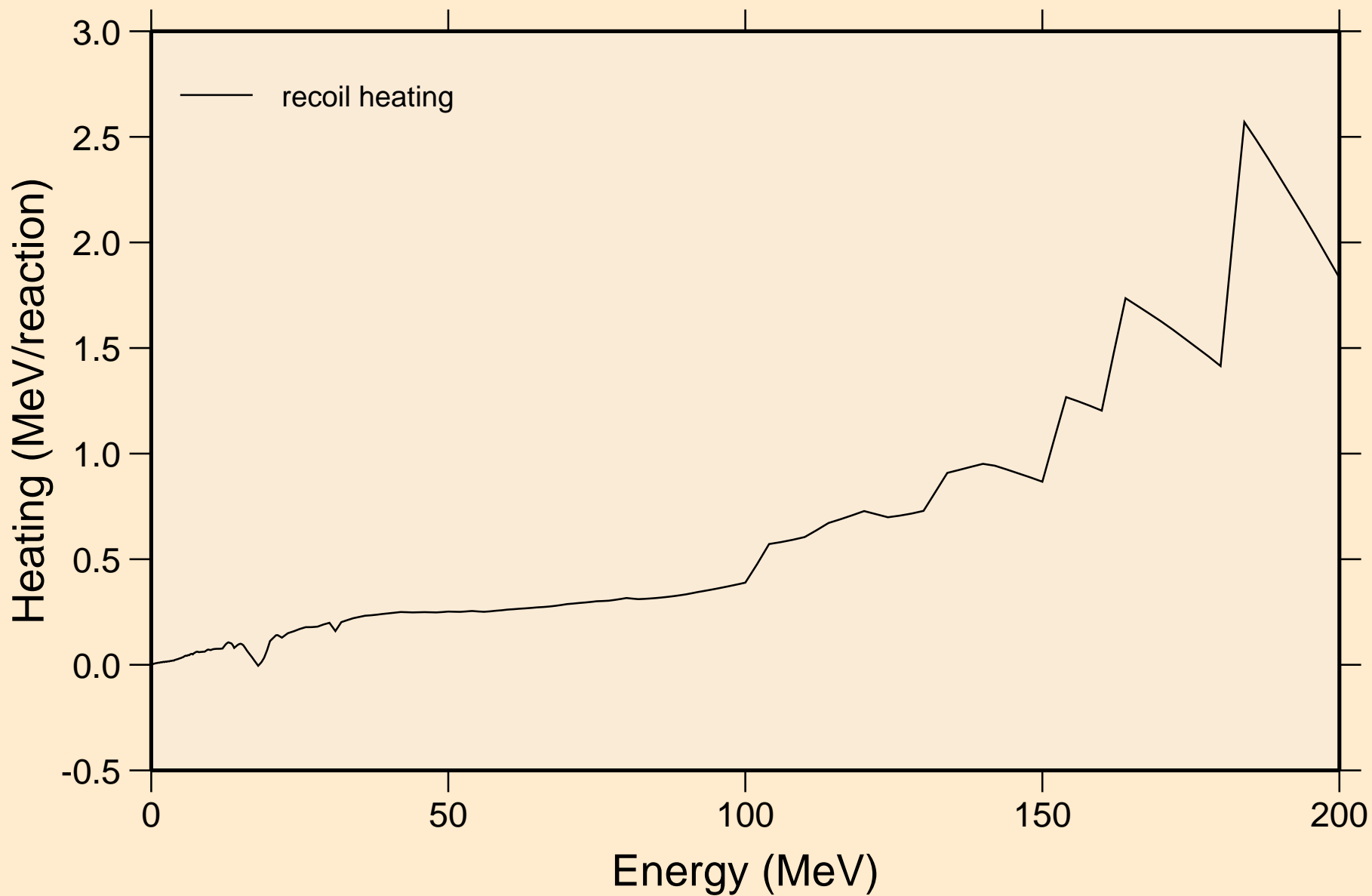


SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

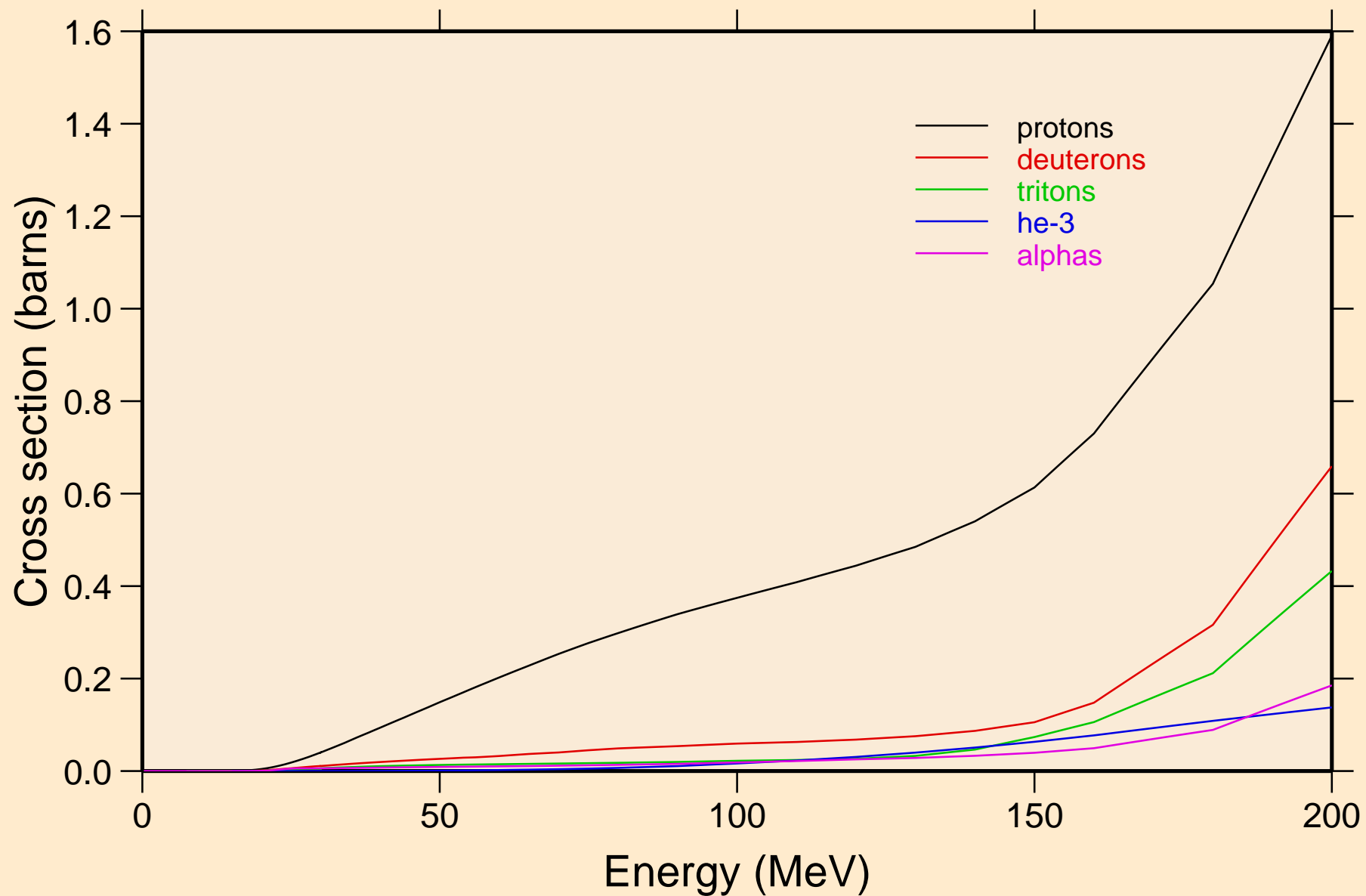


SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating

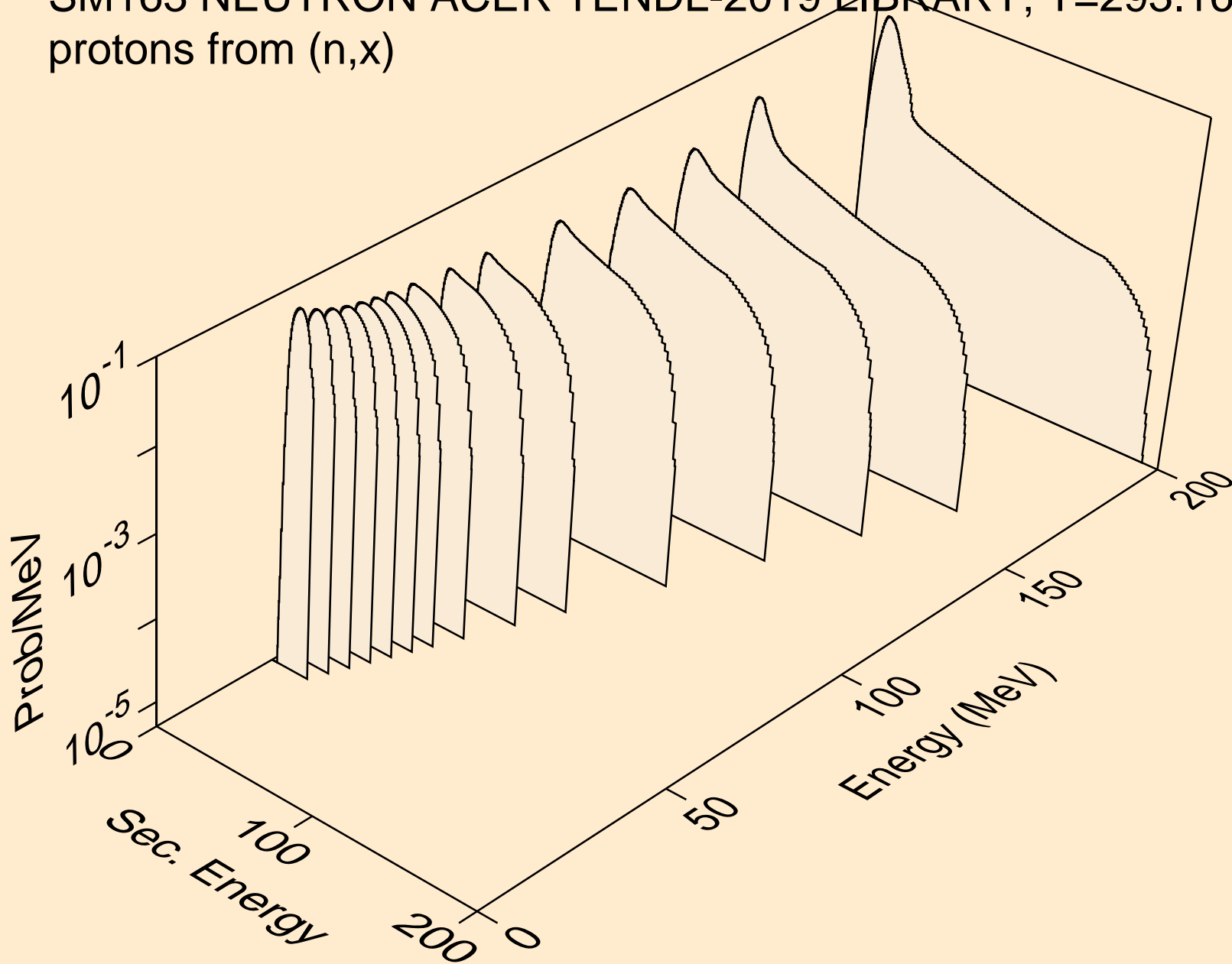


SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

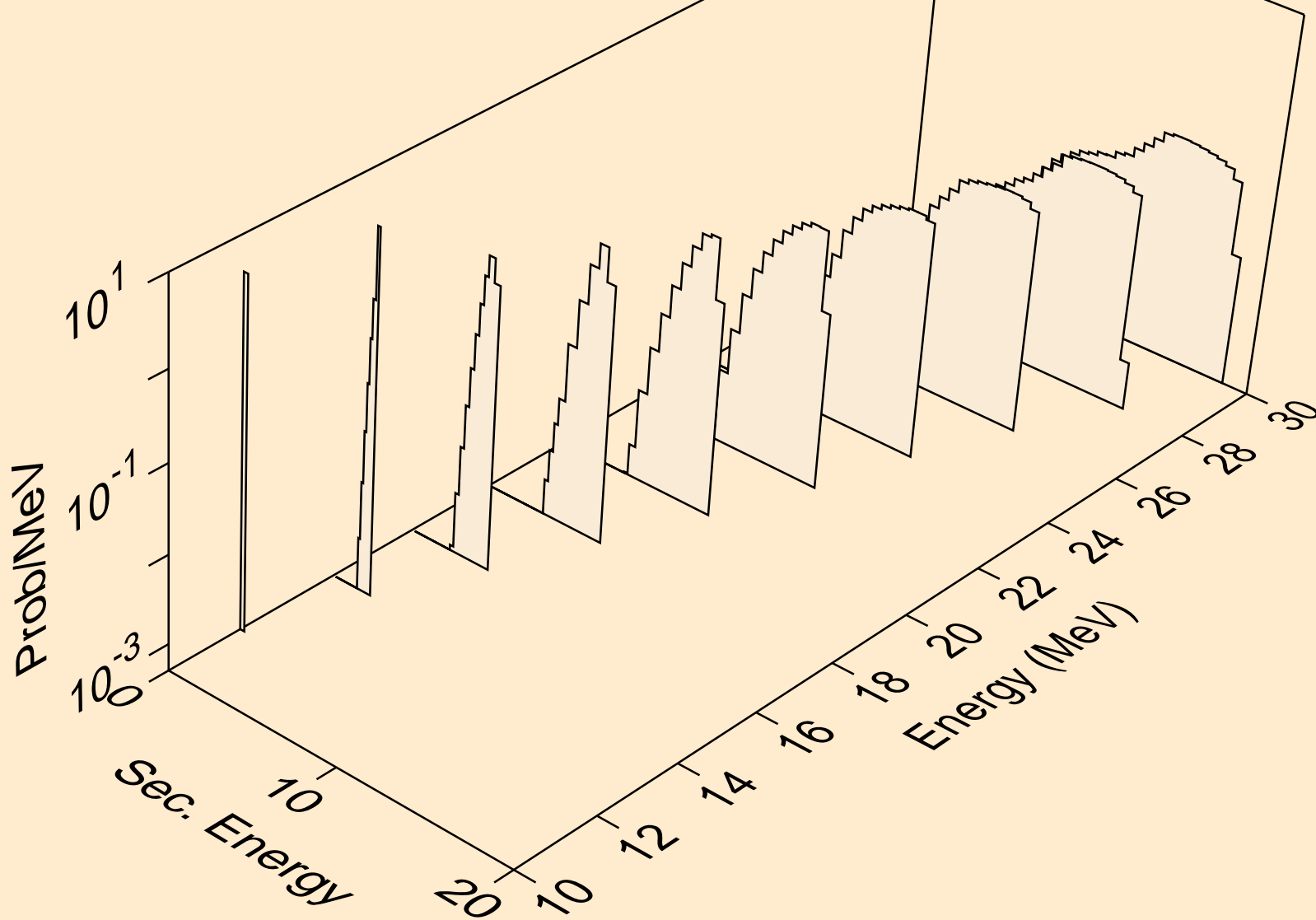
Particle production cross sections



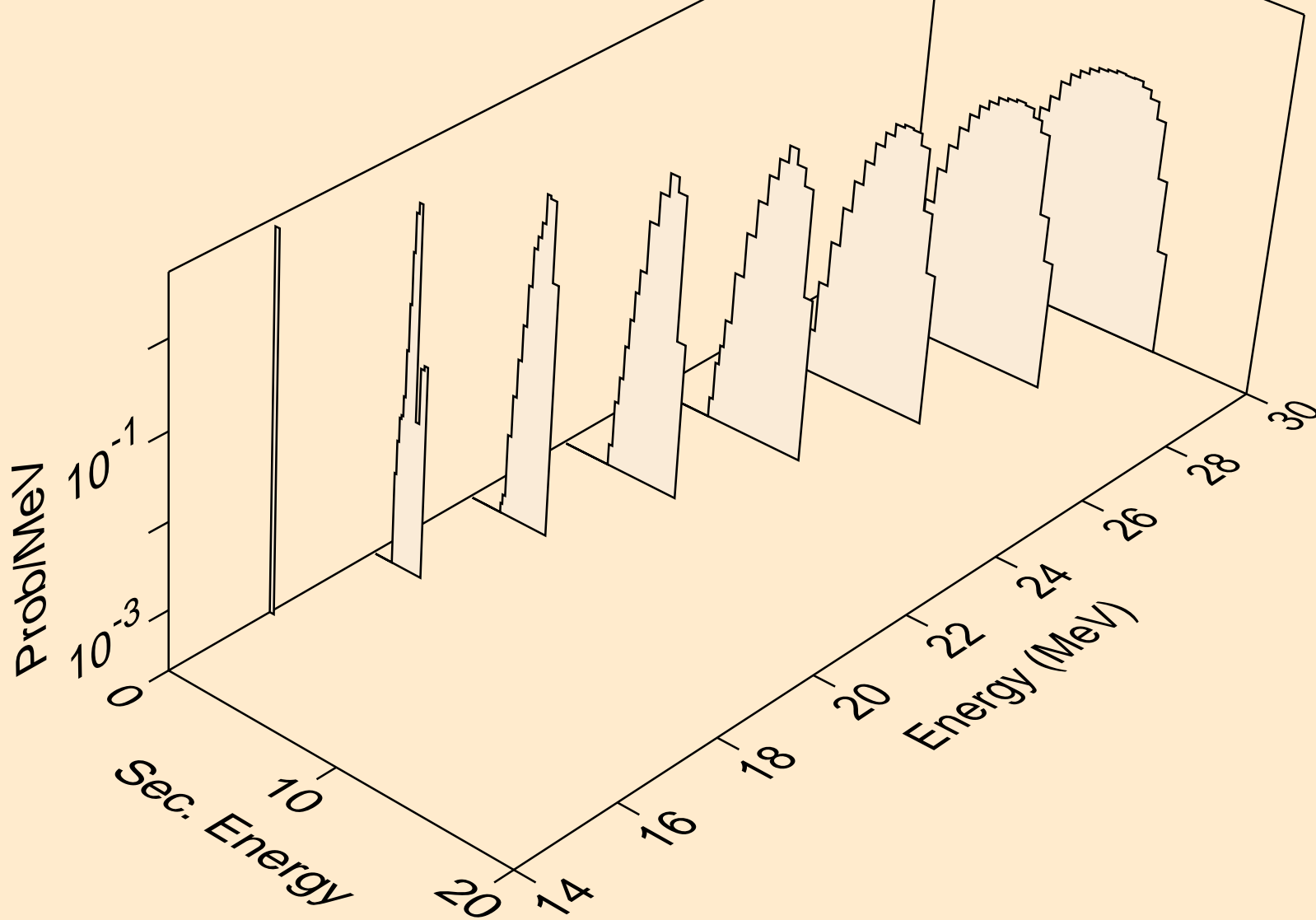
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protons from (n,x)



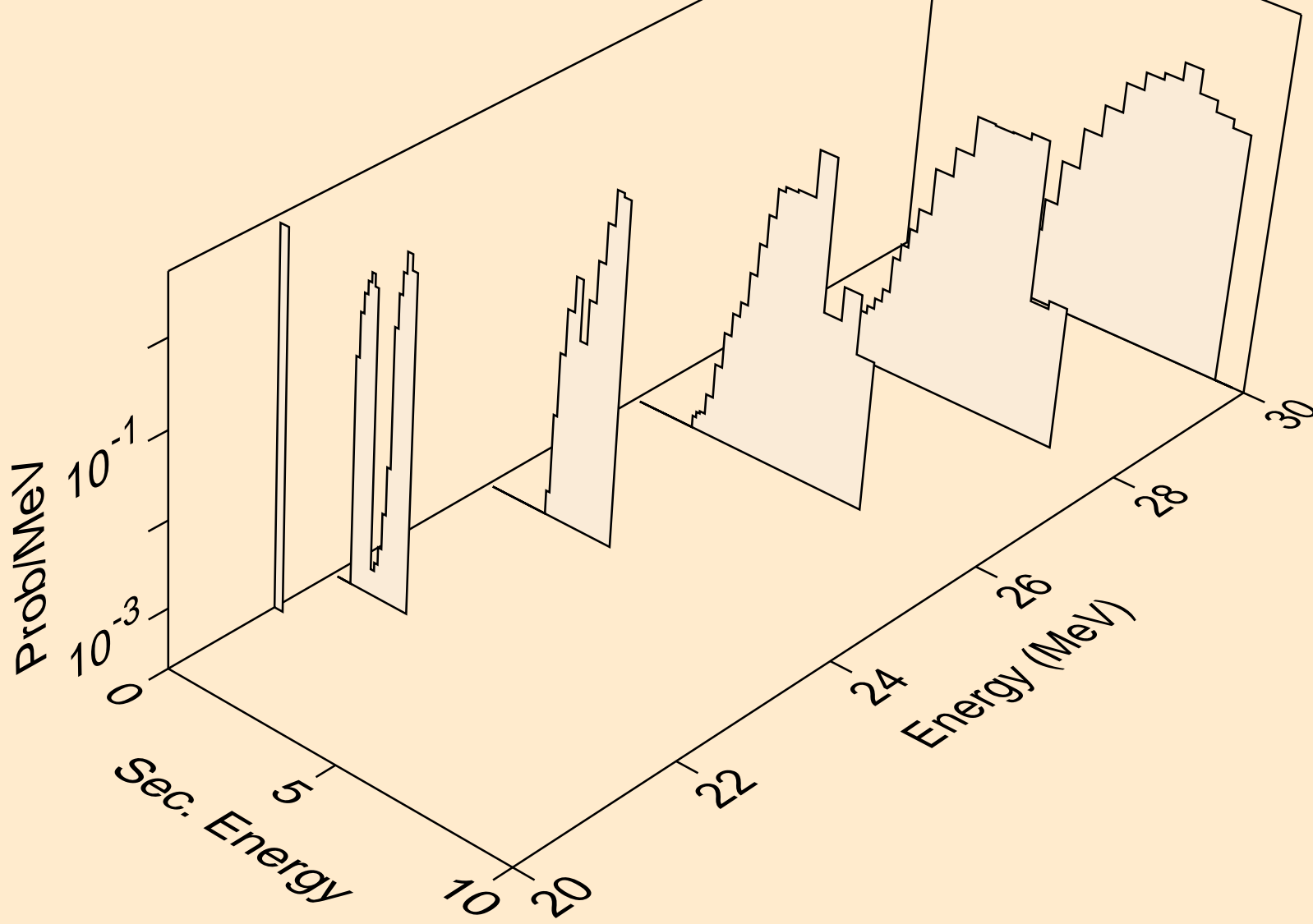
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protons from (n,n*)p



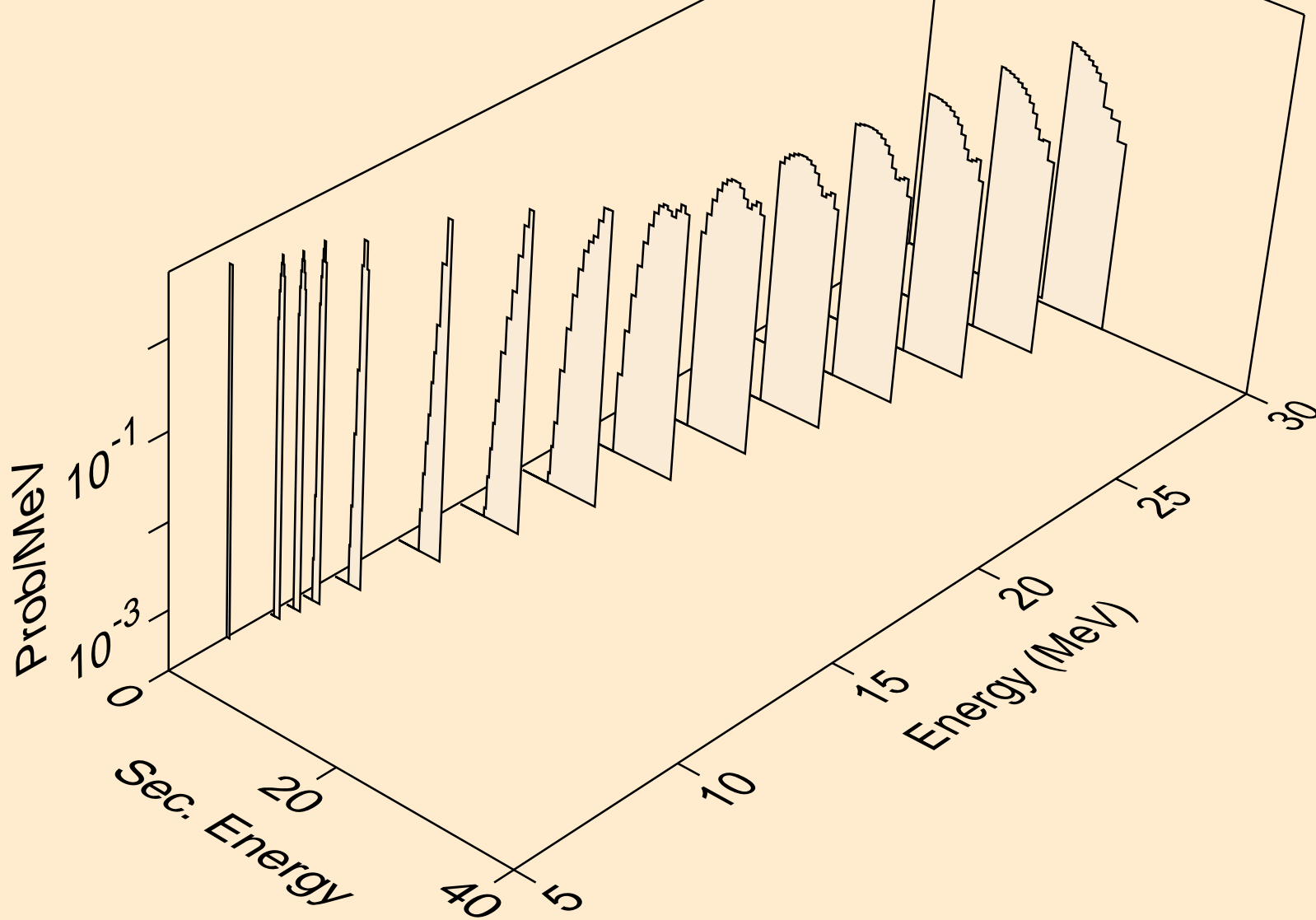
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



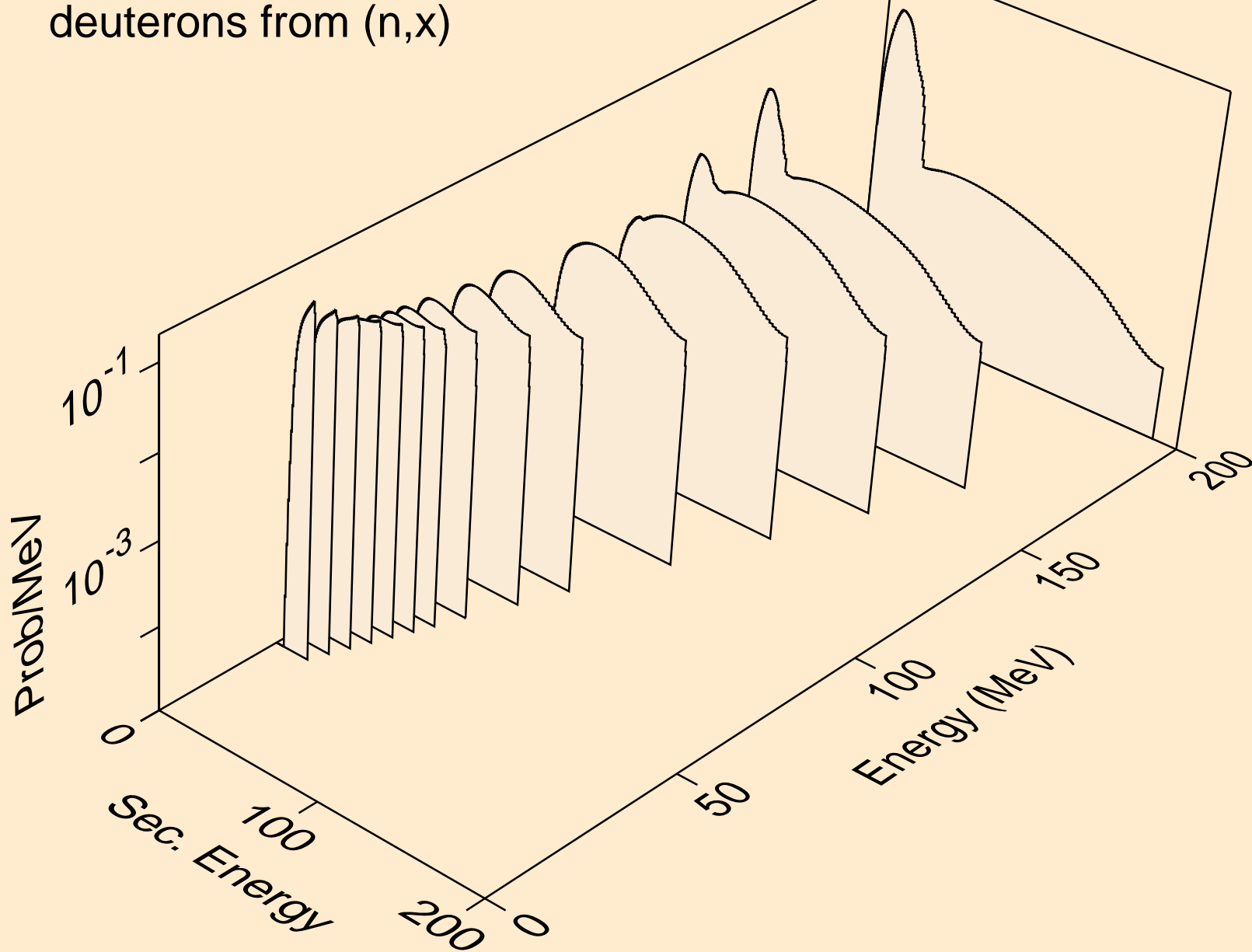
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



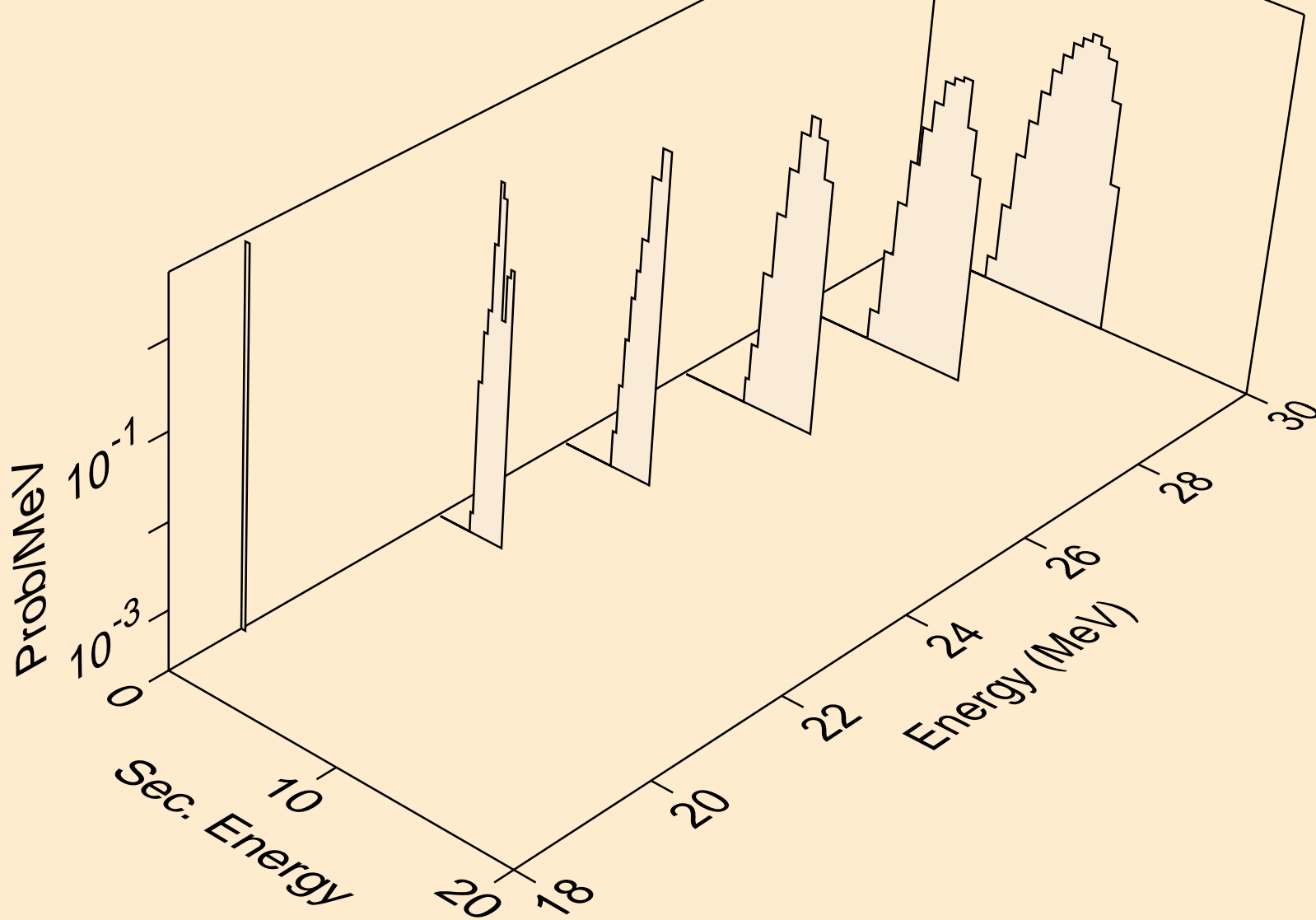
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protons from (n,p)



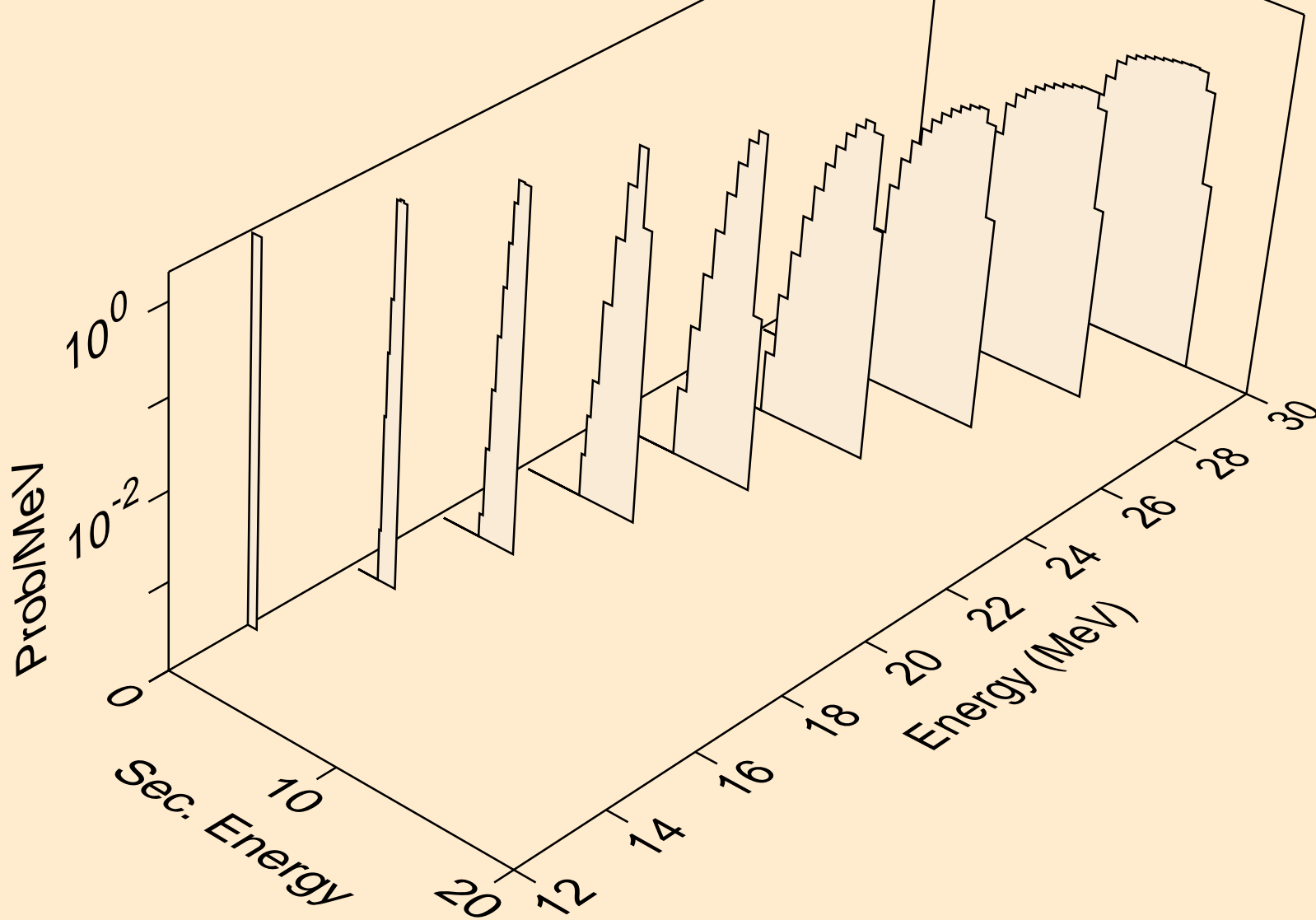
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deuterons from (n,x)



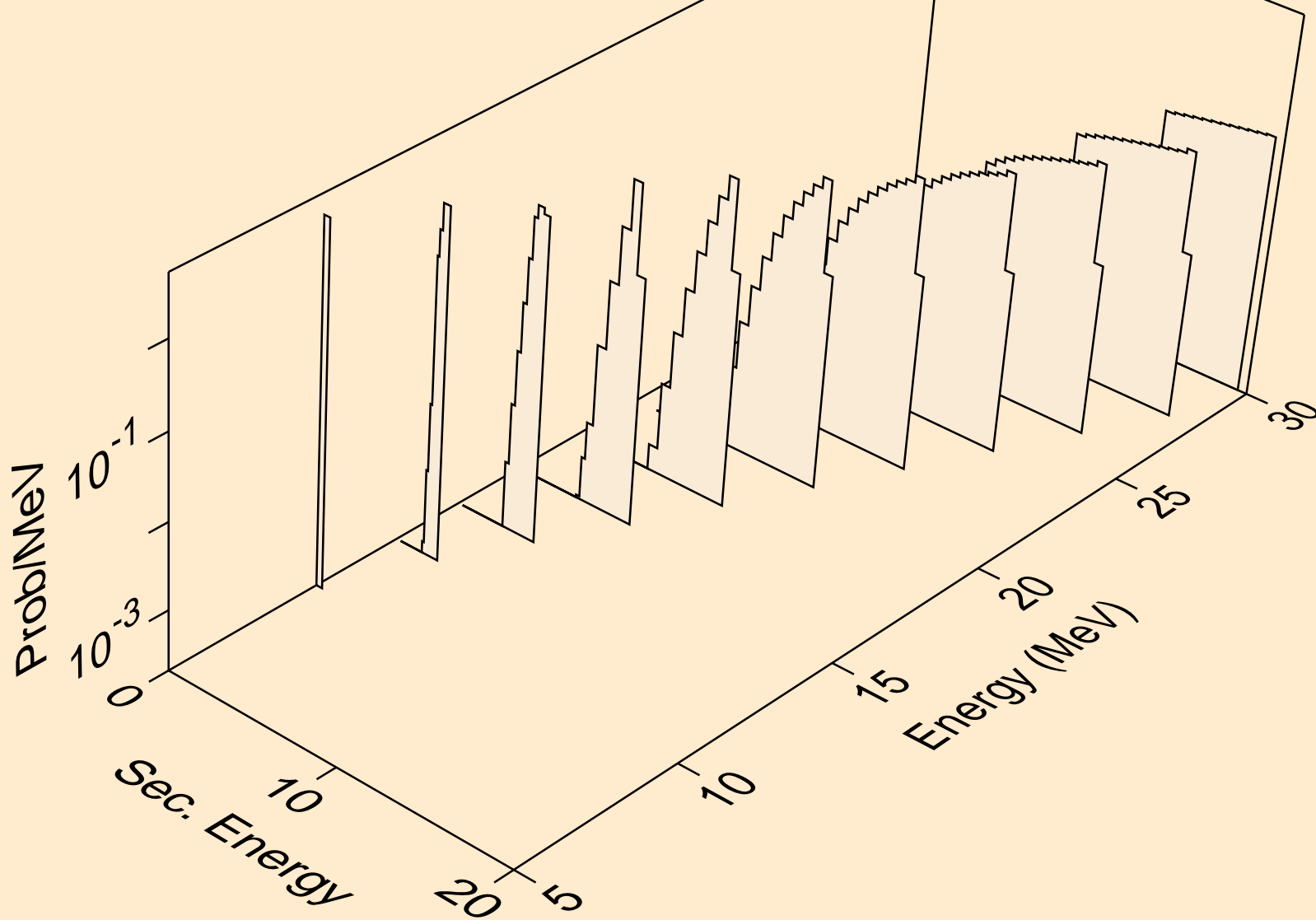
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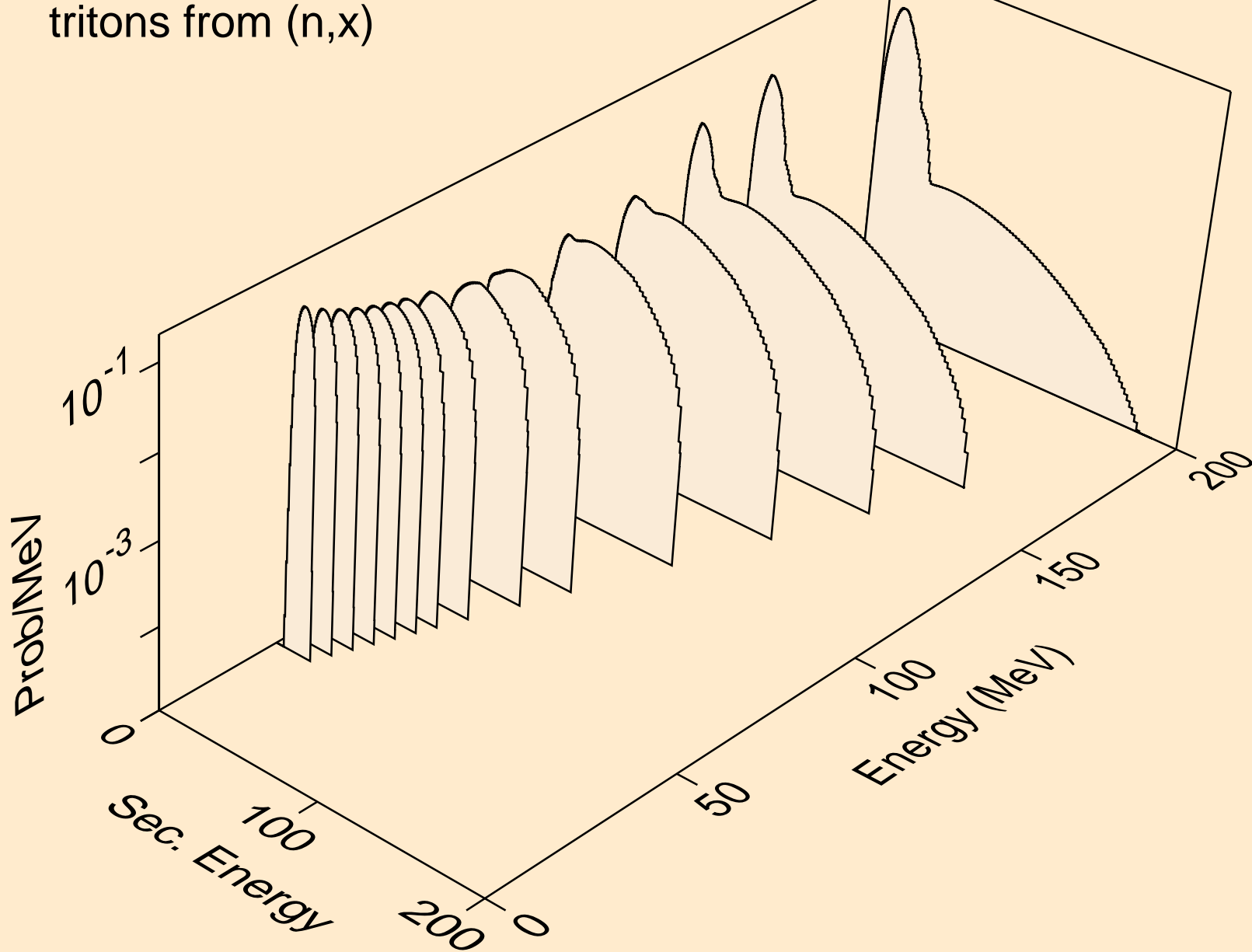
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deuterons from (n,n*)d



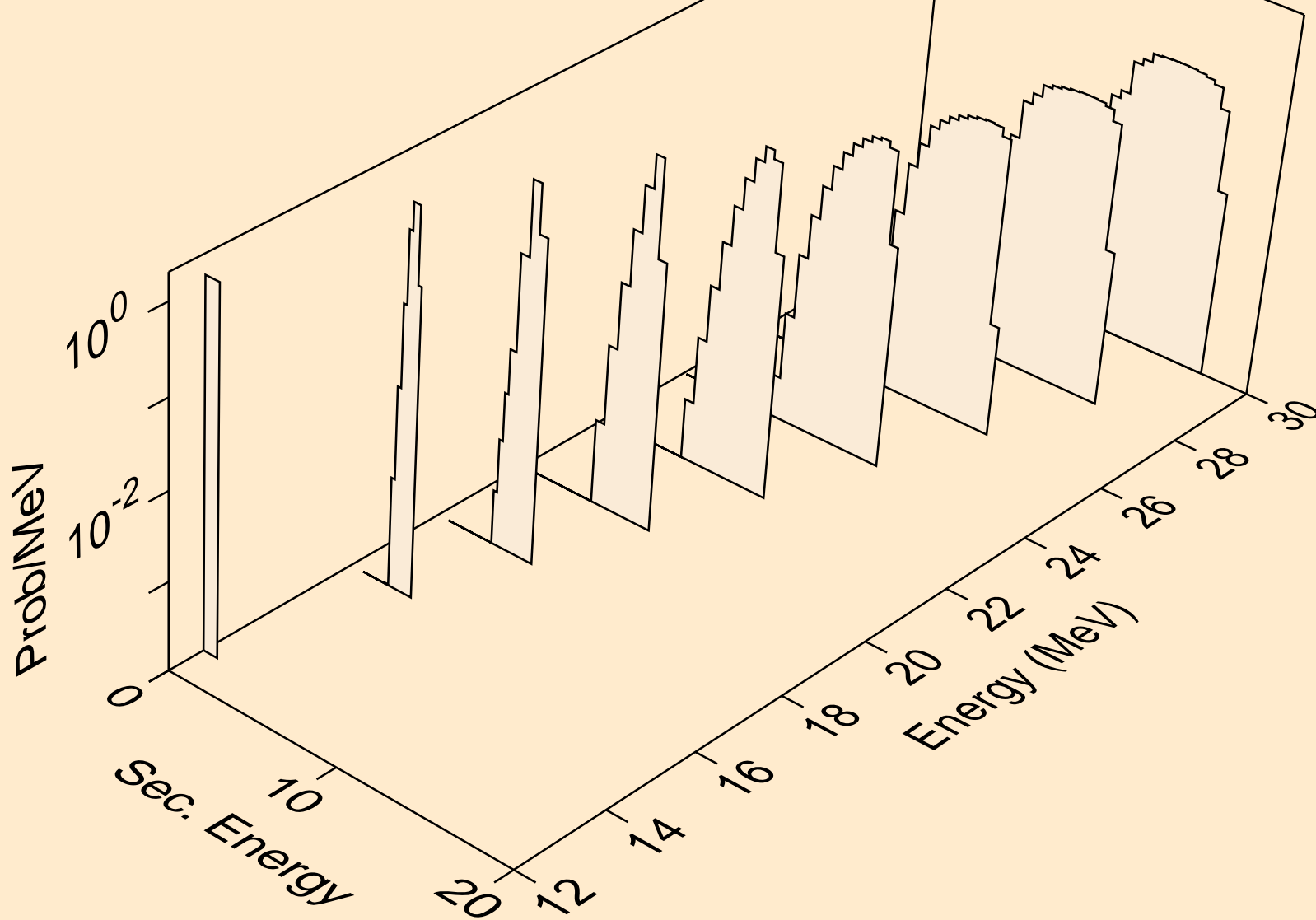
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



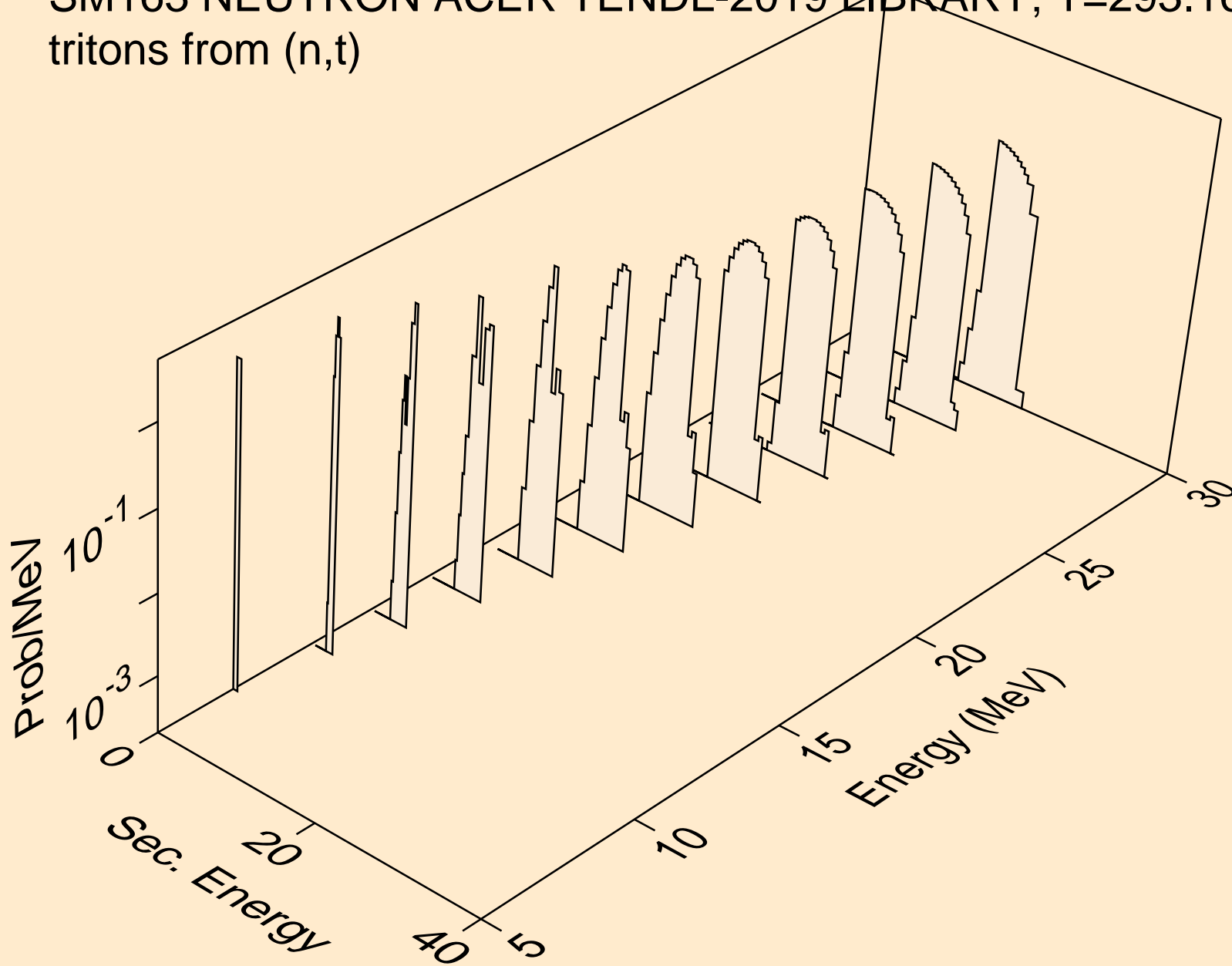
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tritons from (n,x)



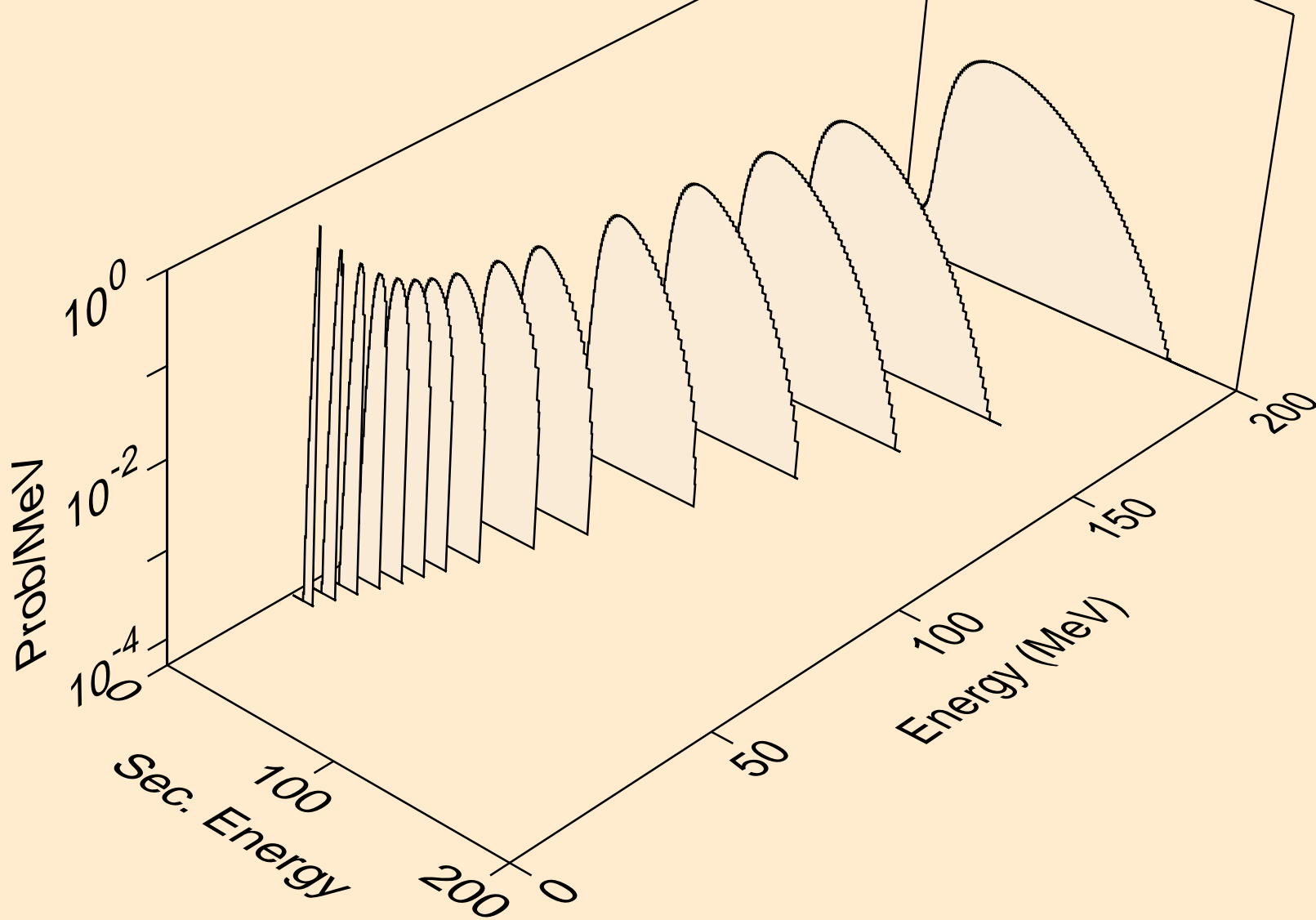
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



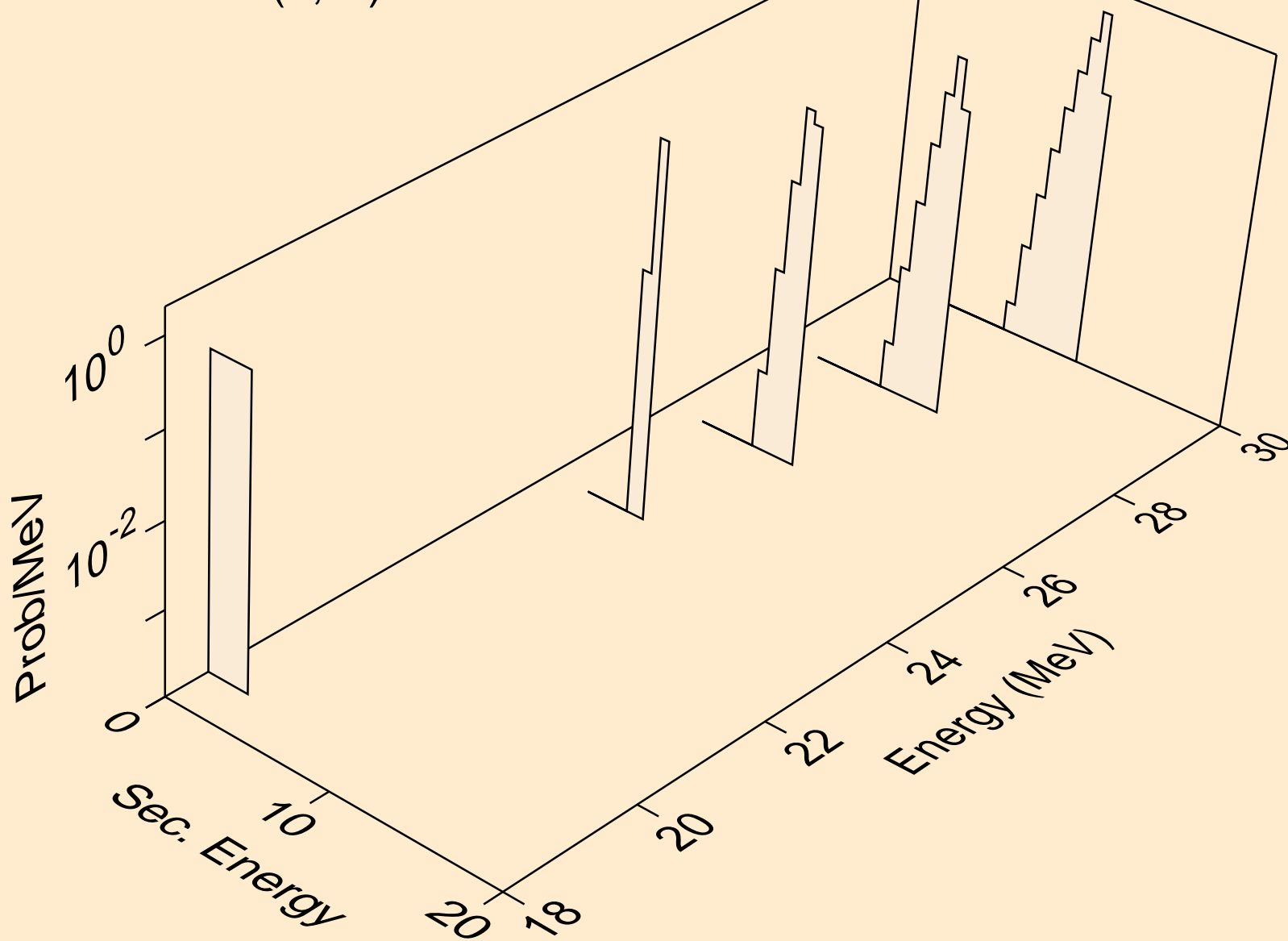
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tritons from (n,t)



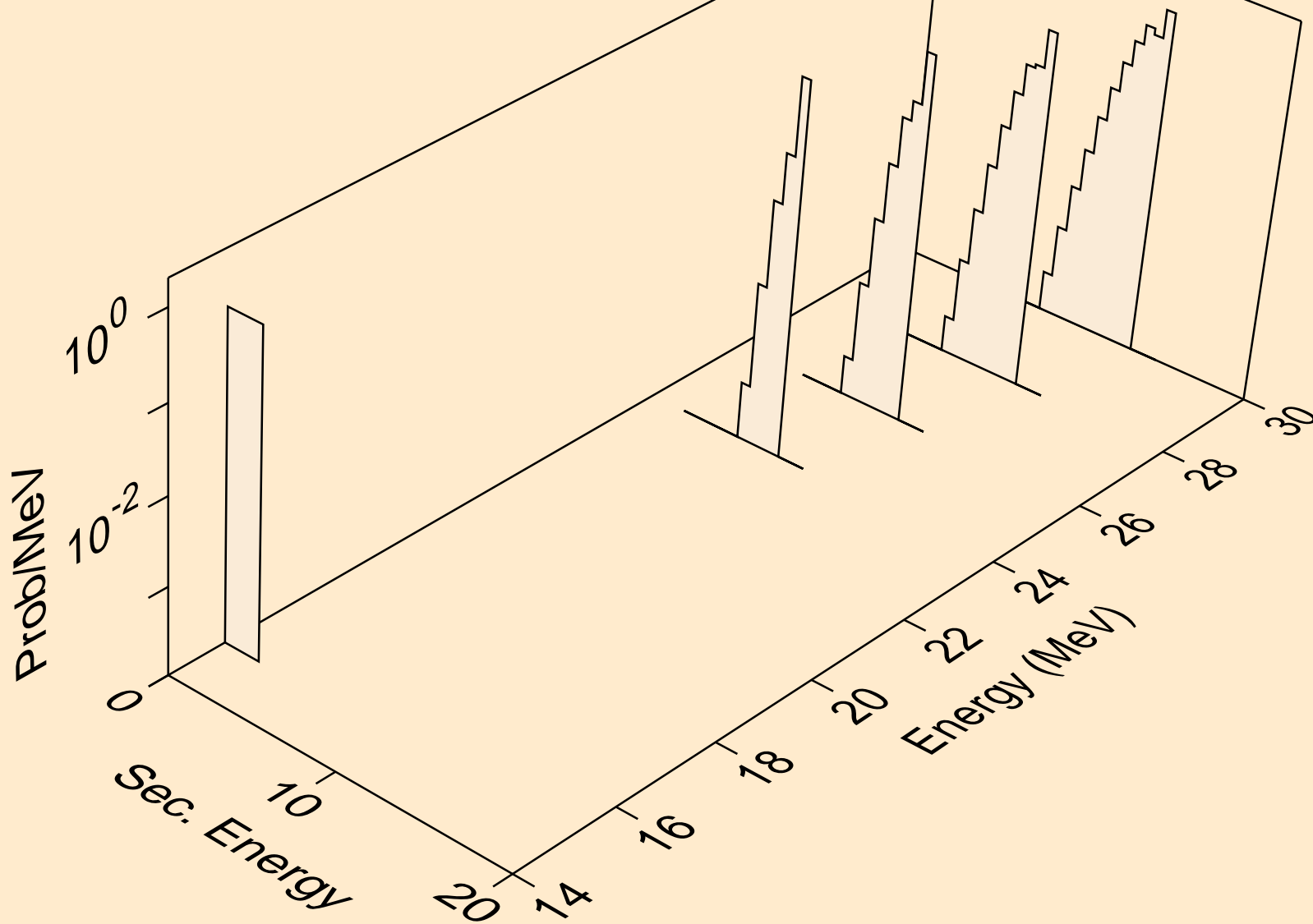
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he3s from (n,x)



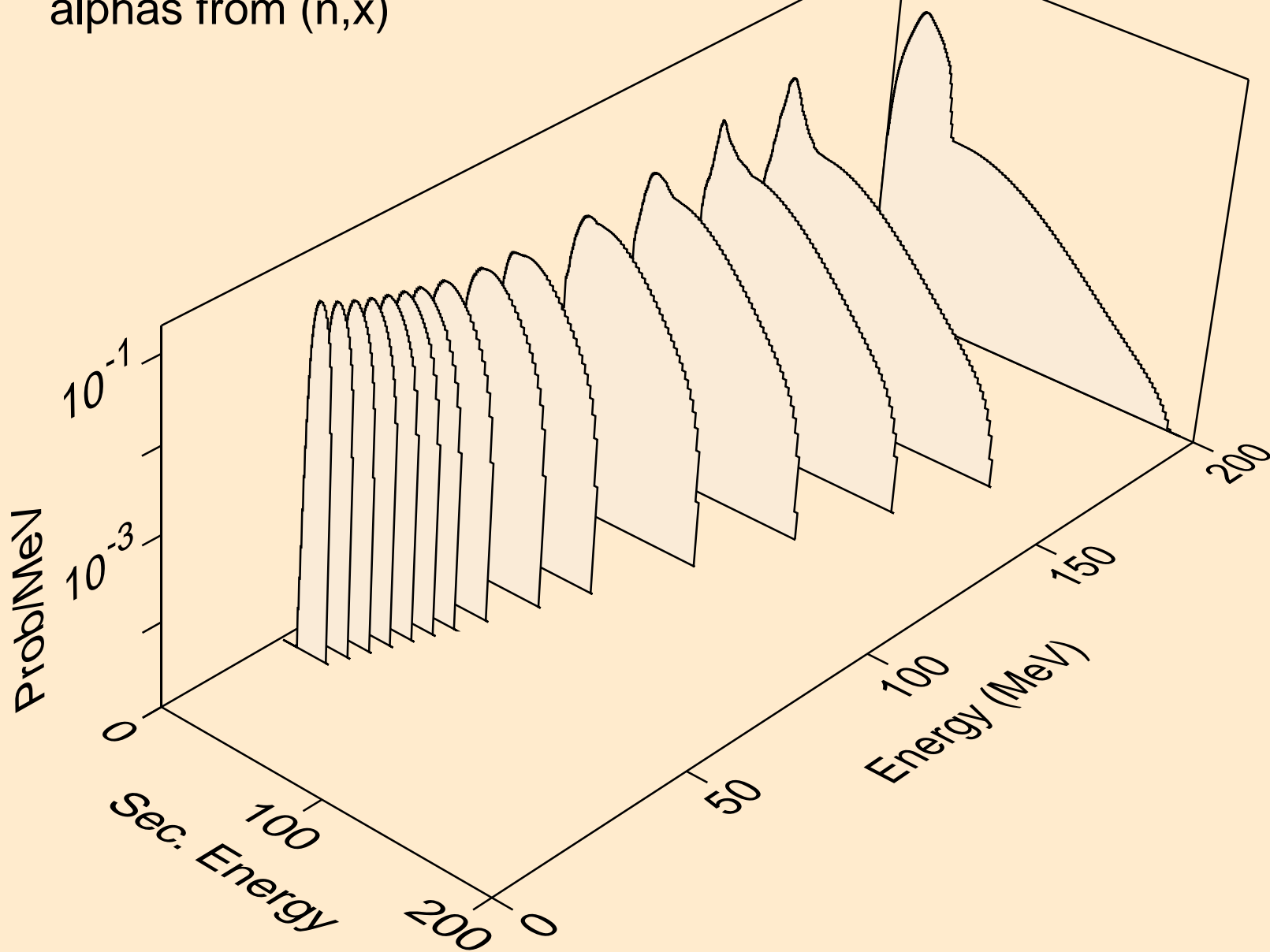
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he3s from (n,n*)he3



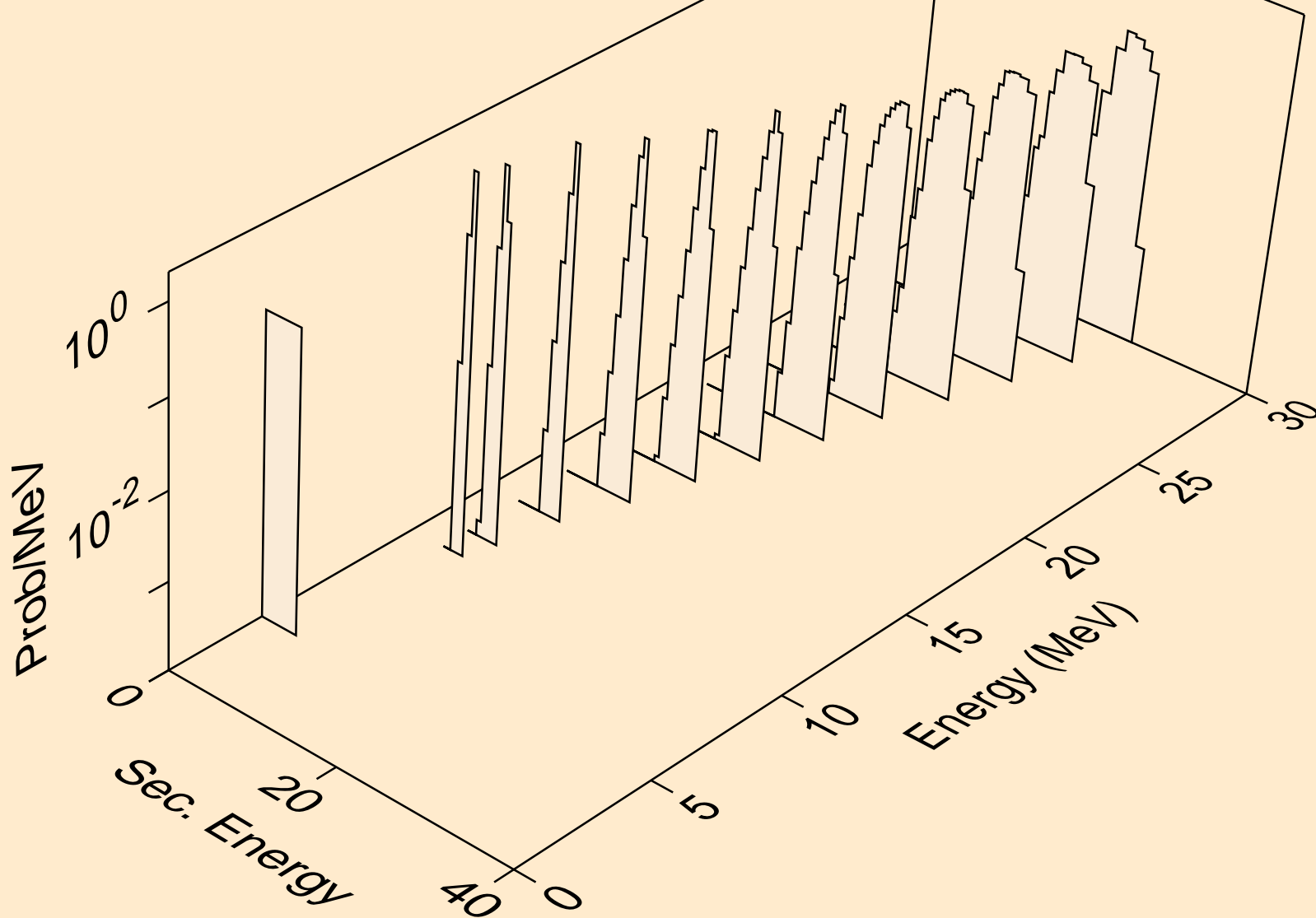
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he3s from (n,he3)



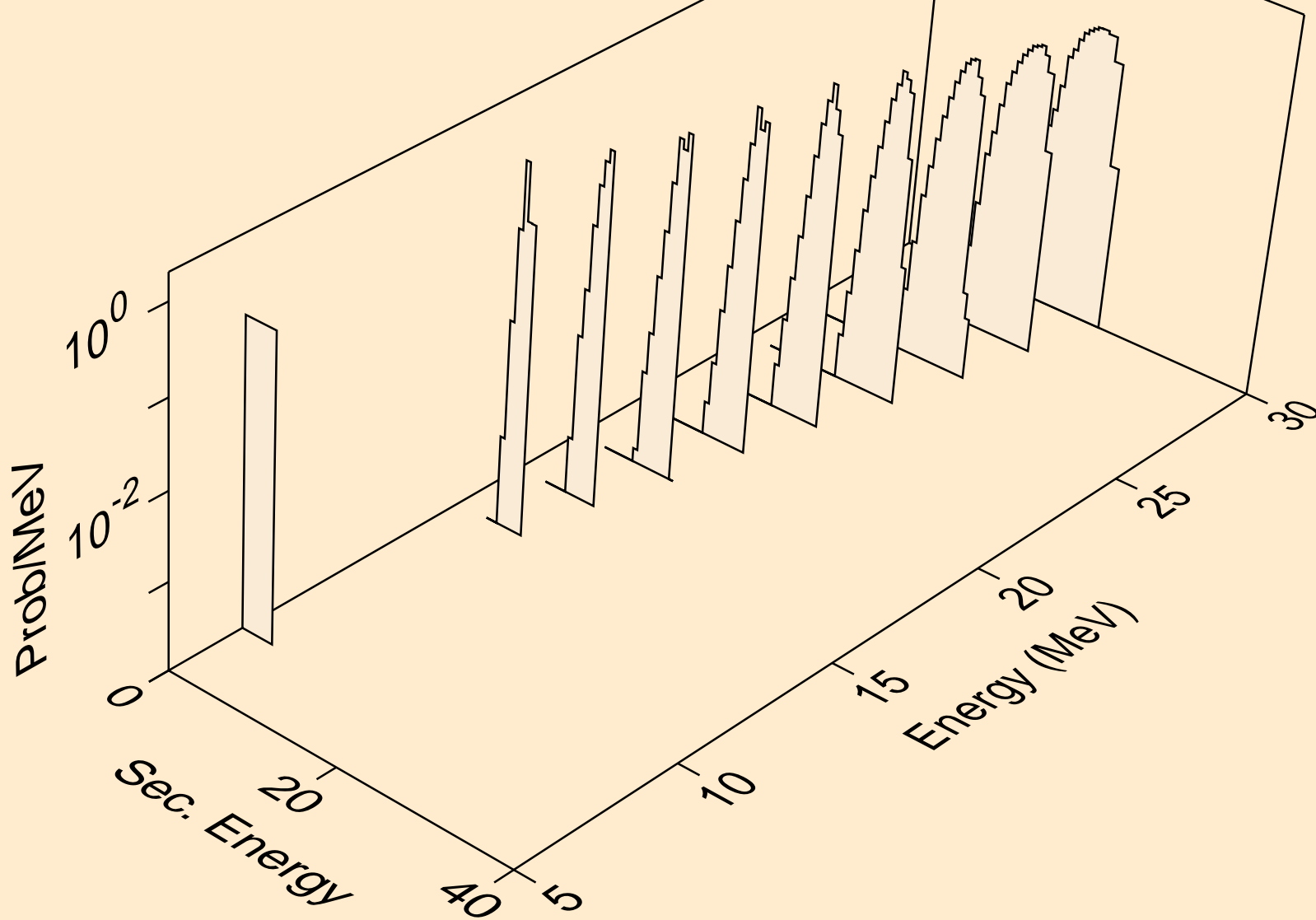
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



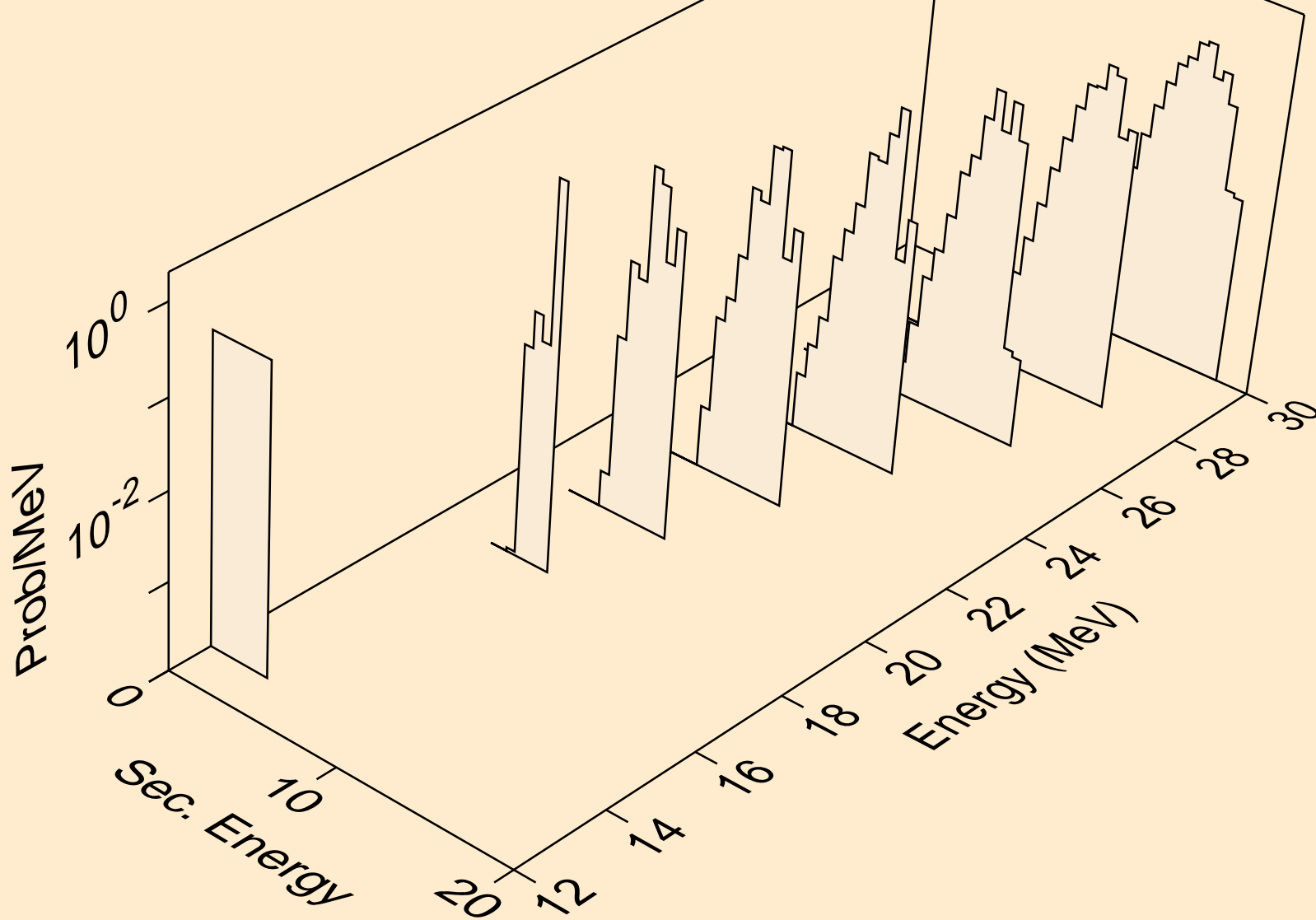
SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



SM163 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)

