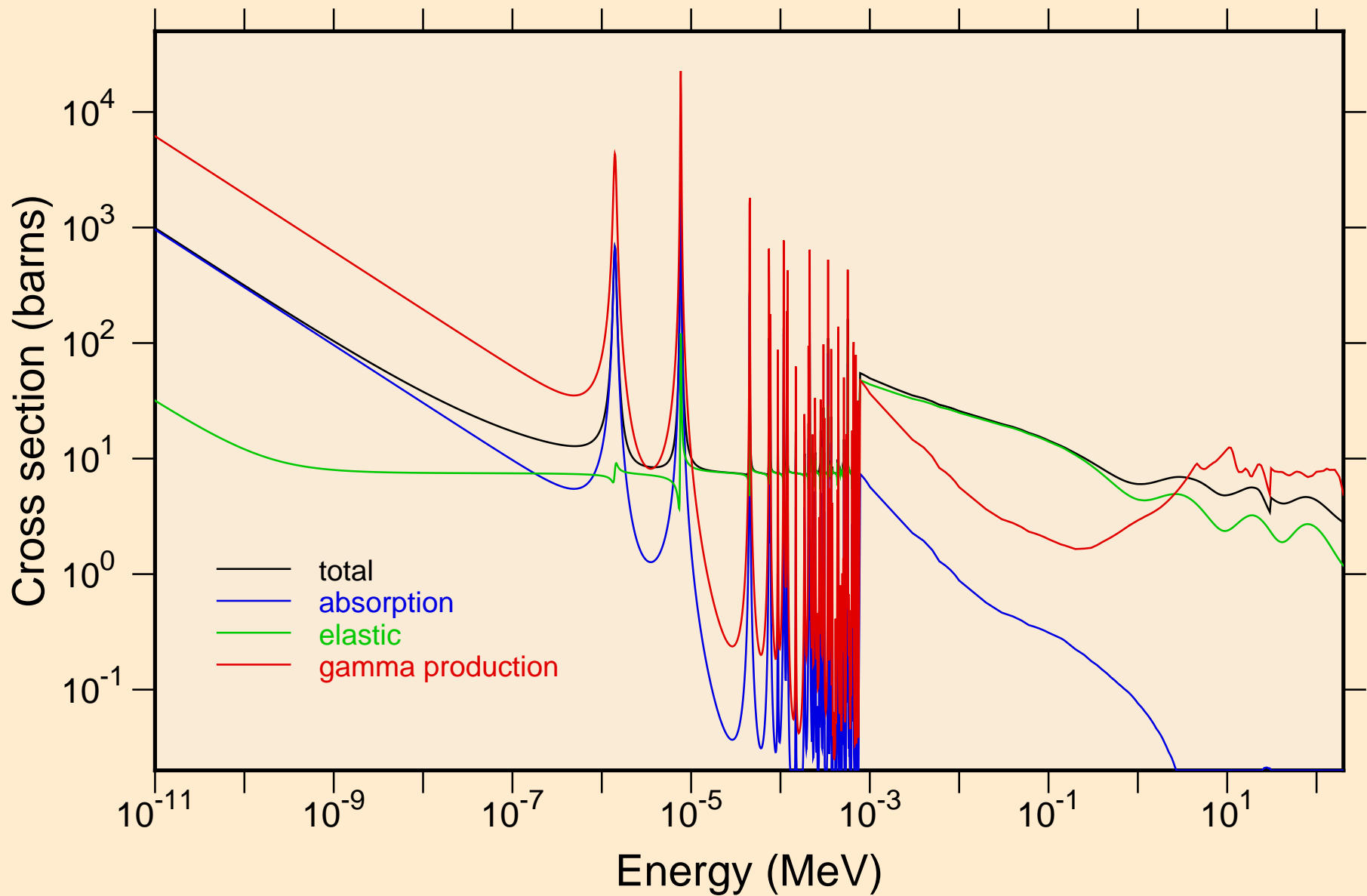
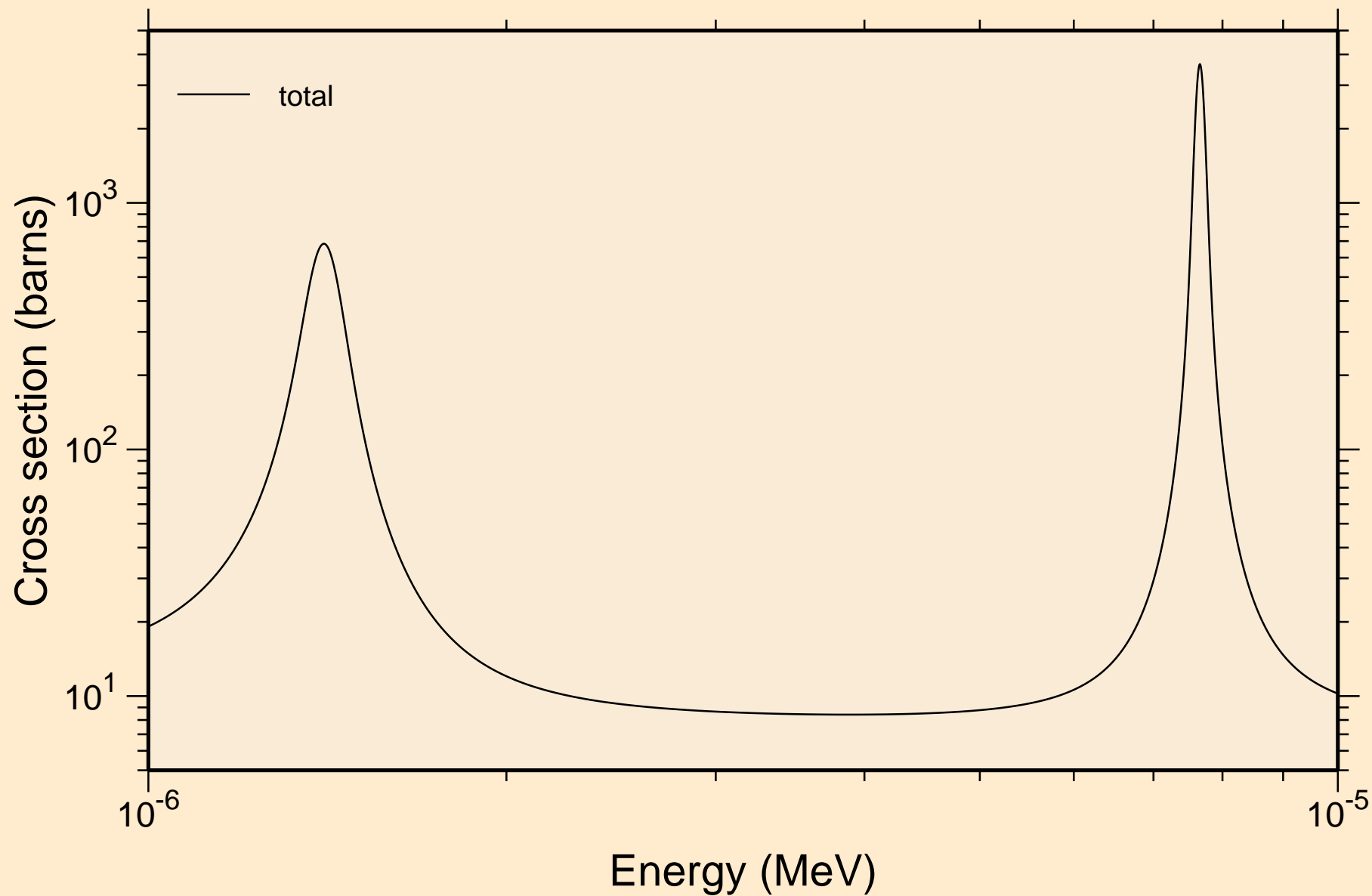


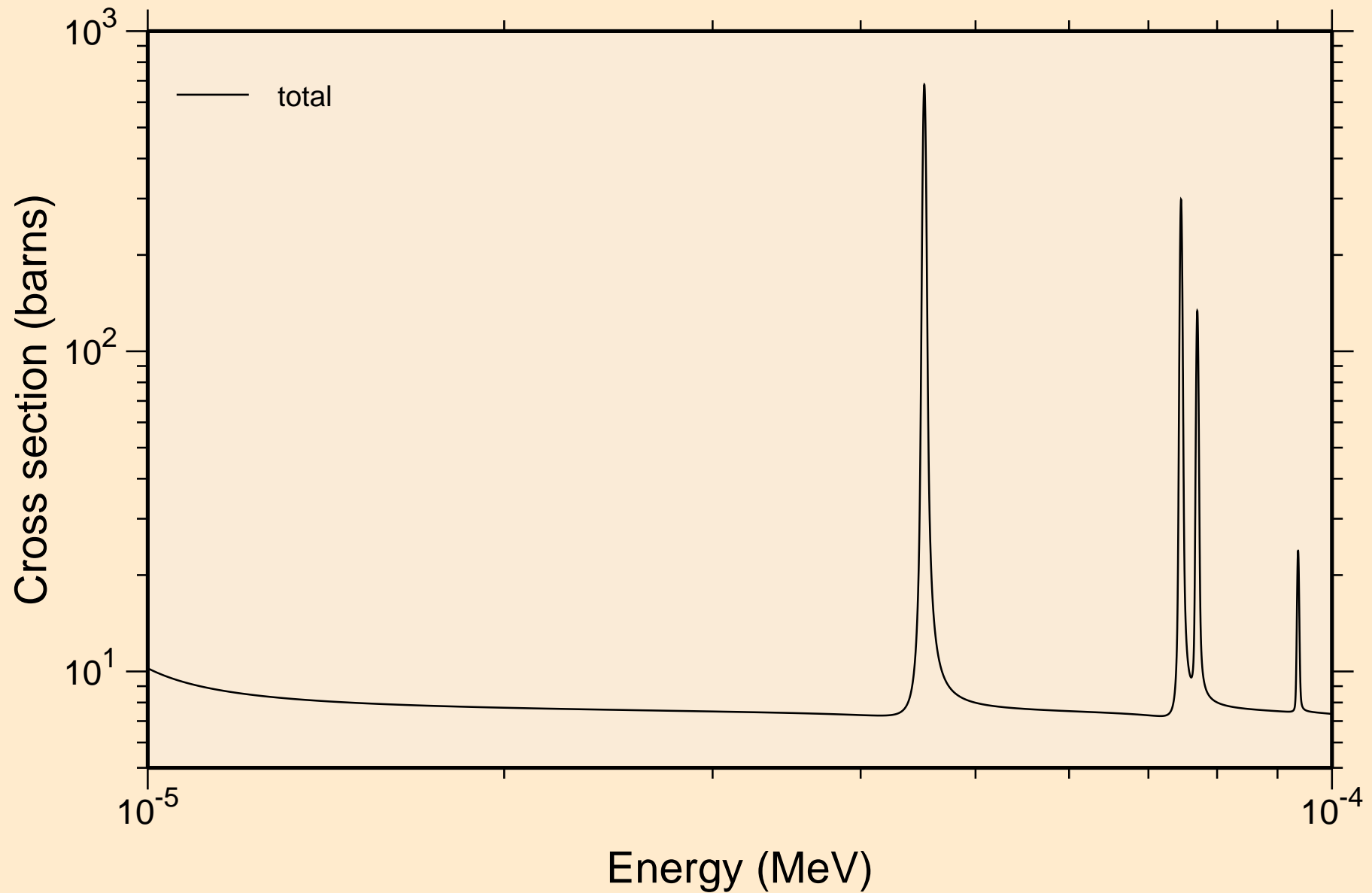
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections



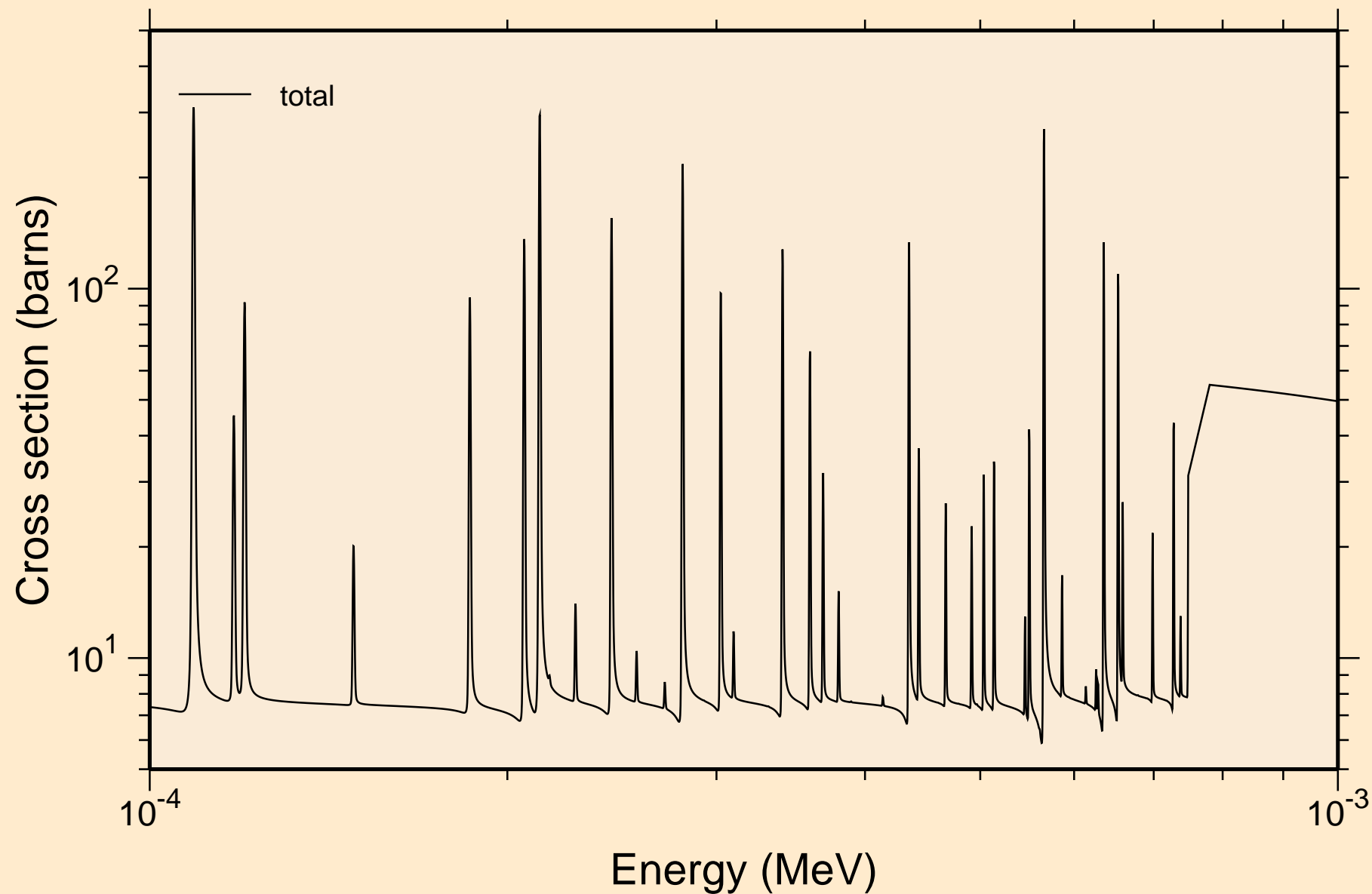
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



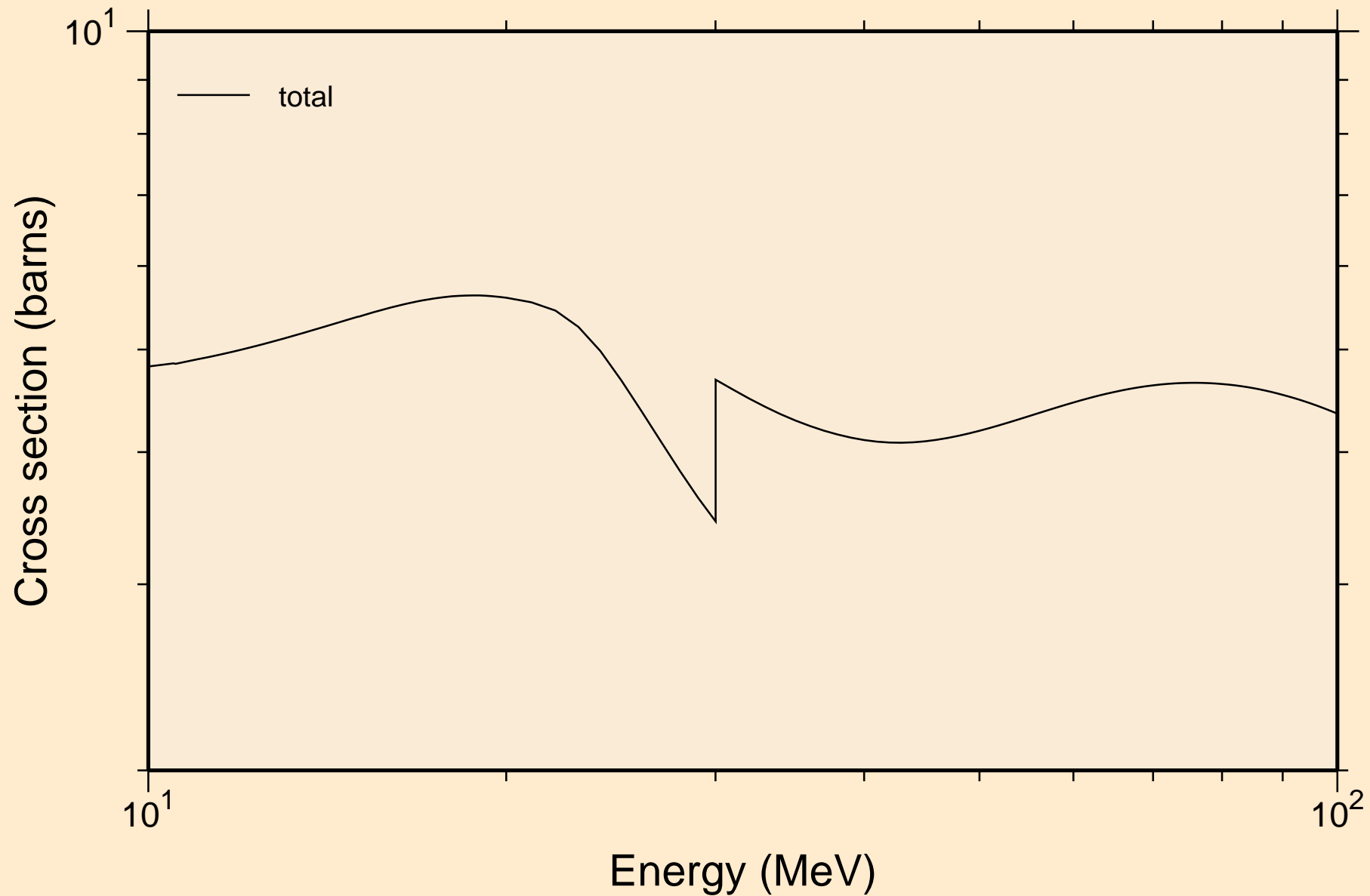
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resonance total cross section



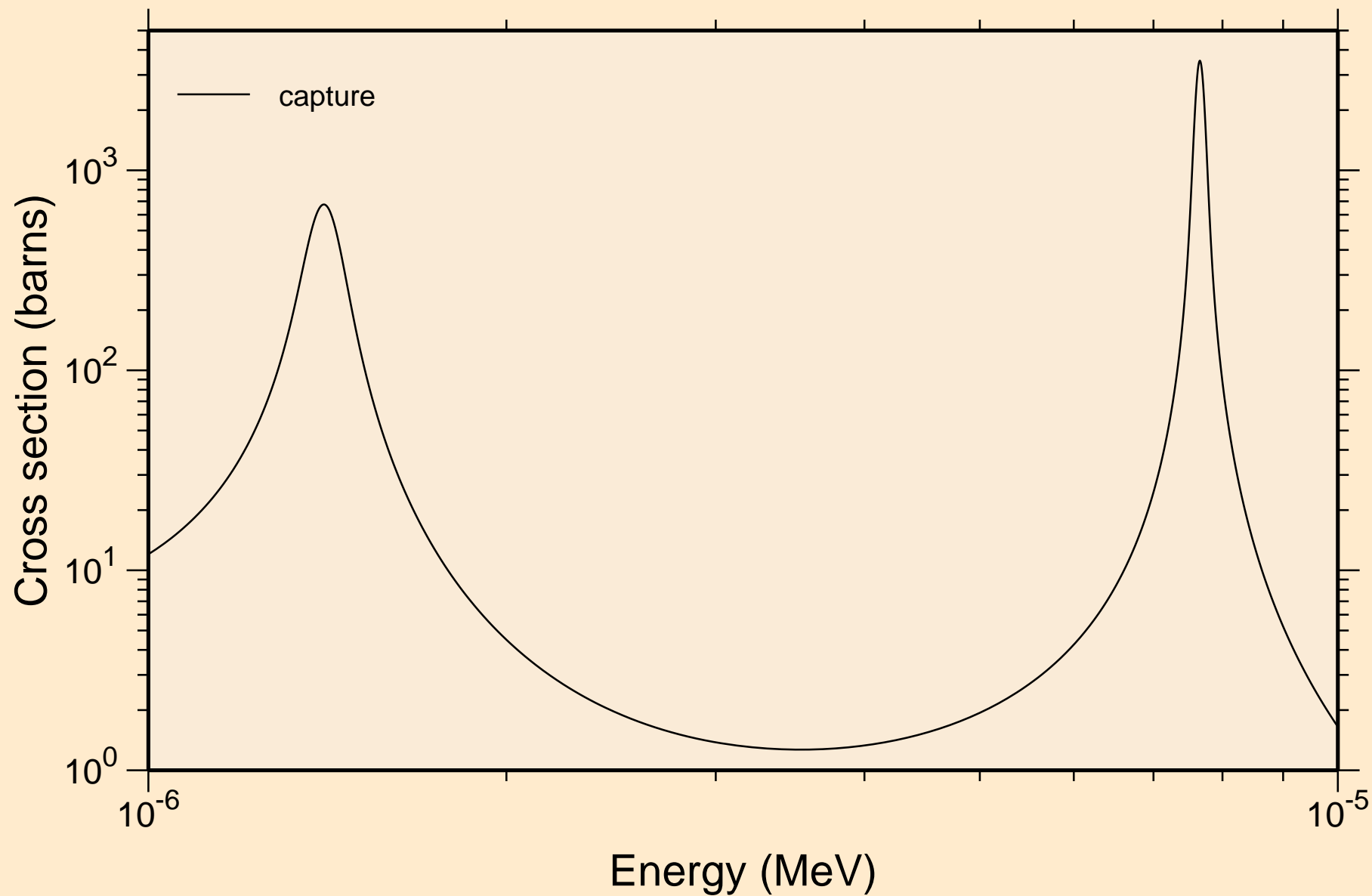
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resonance total cross section



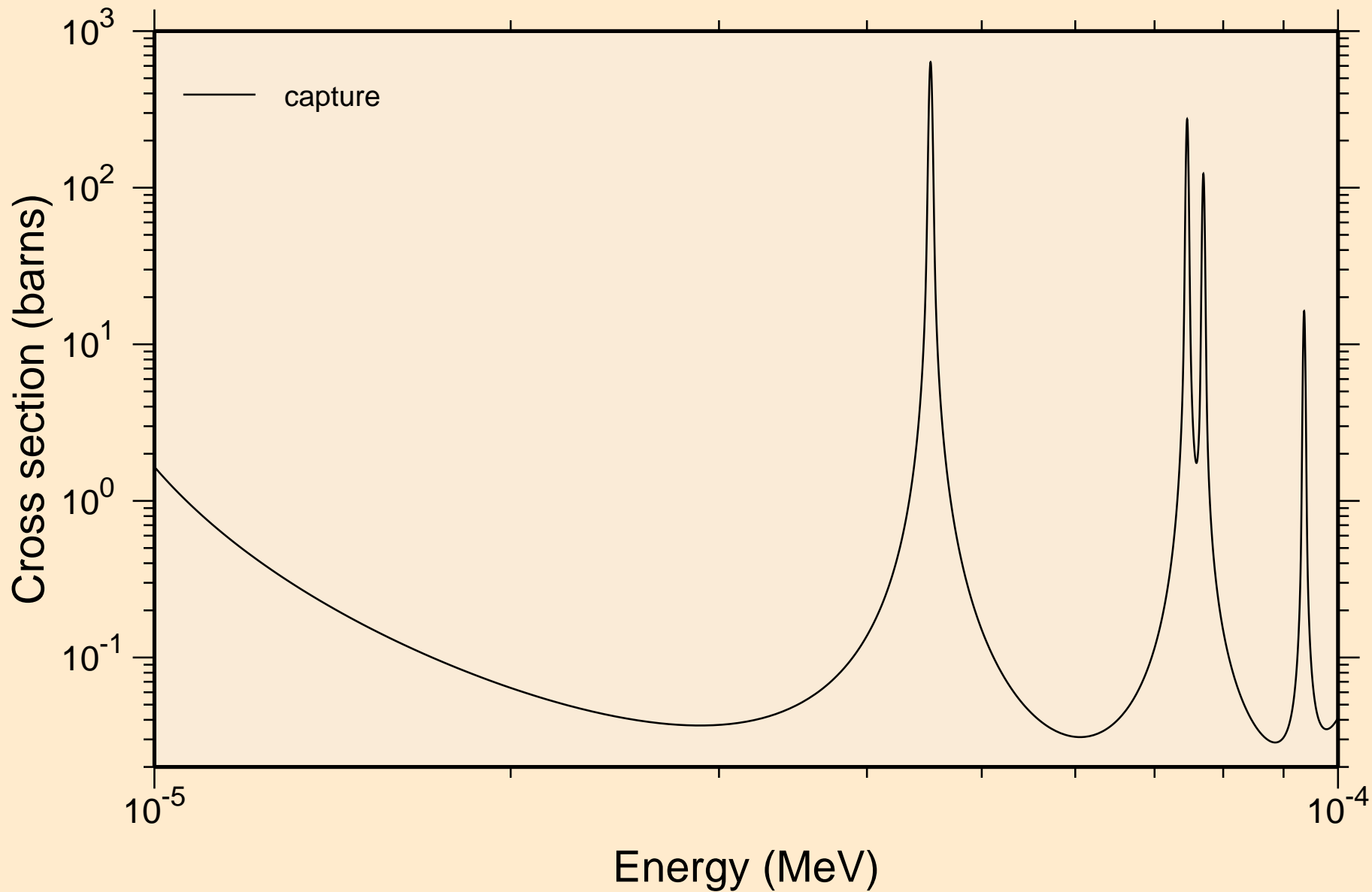
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resonance total cross section



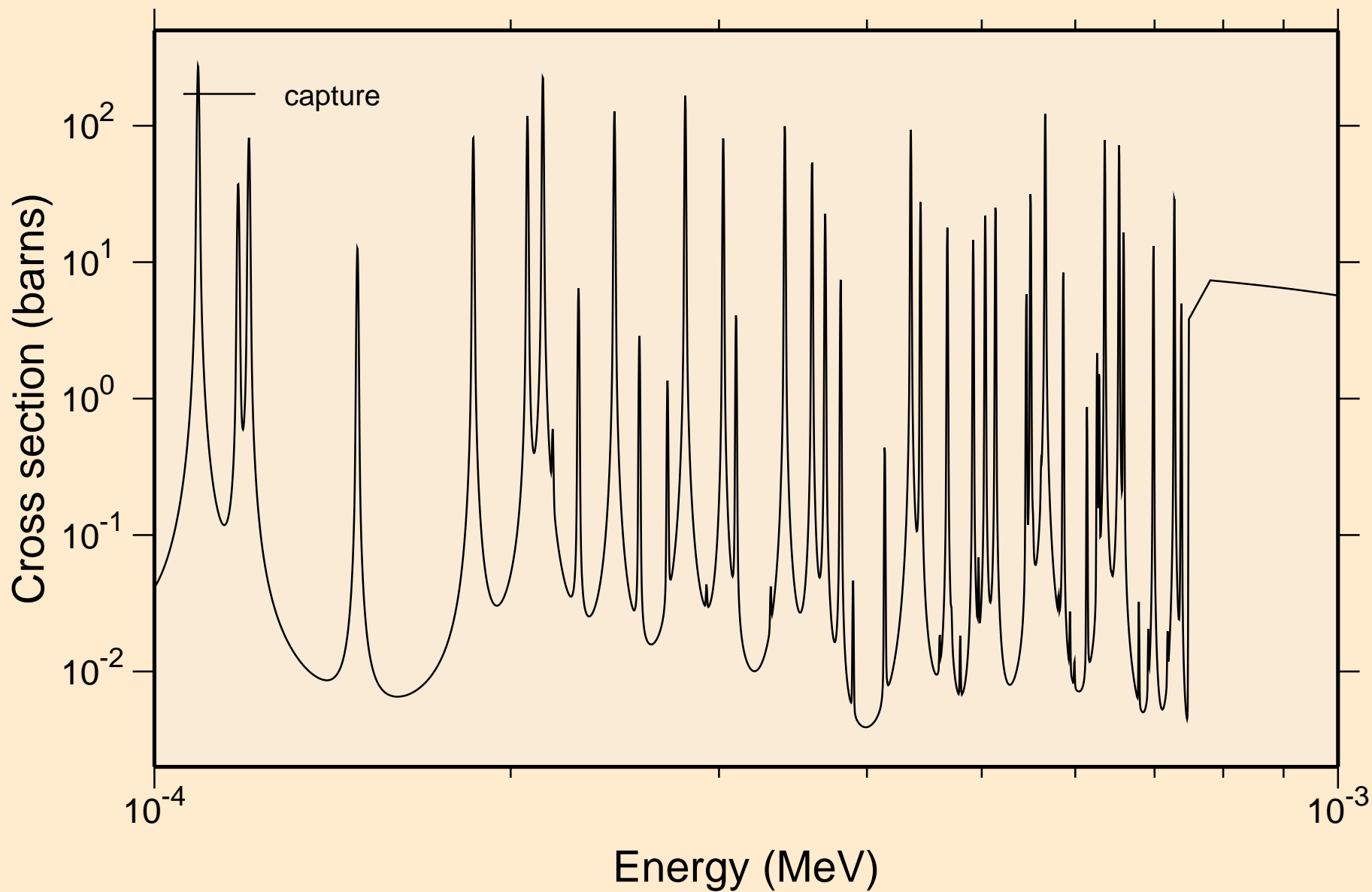
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resonance absorption cross sections



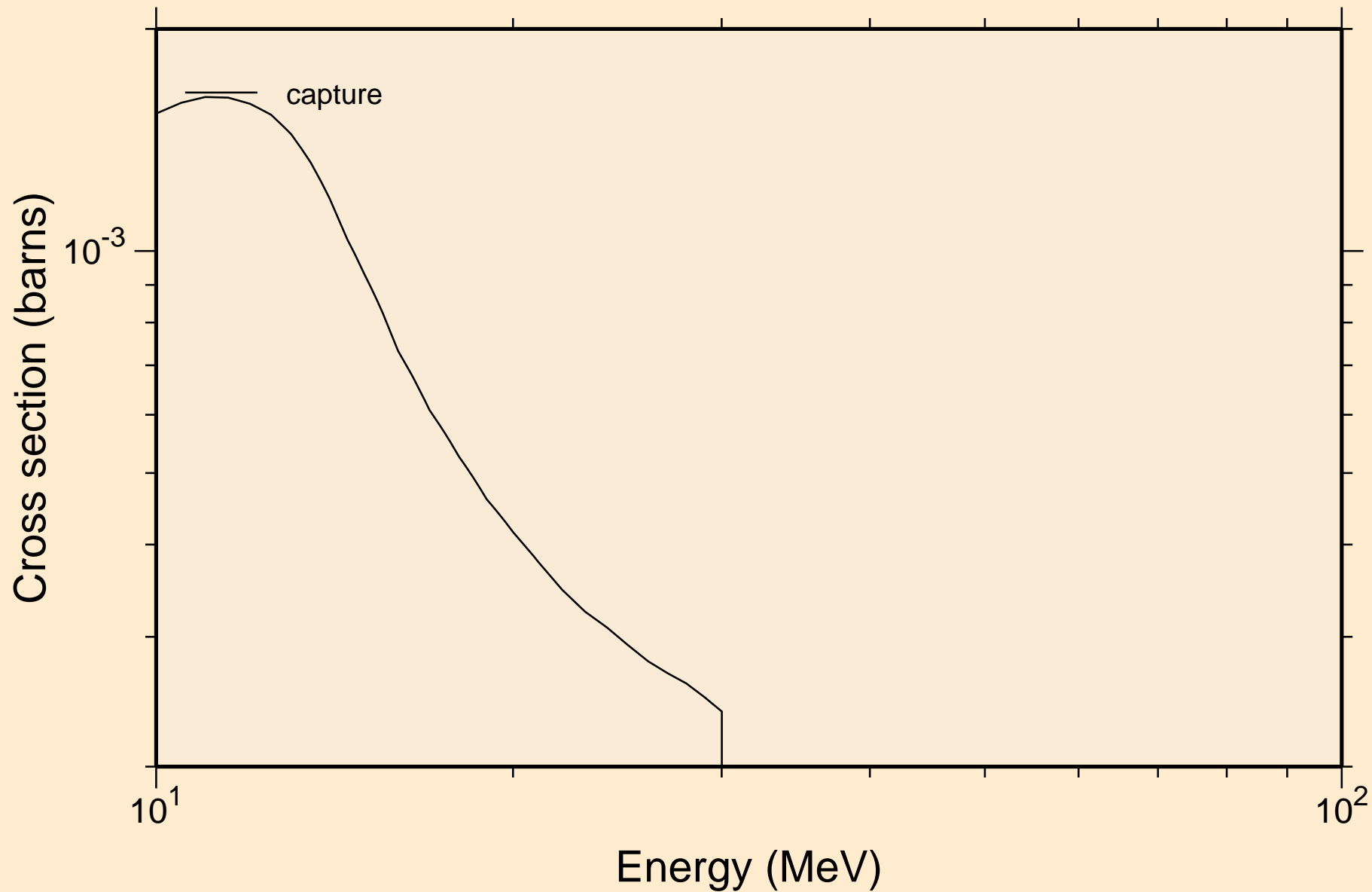
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resonance absorption cross sections



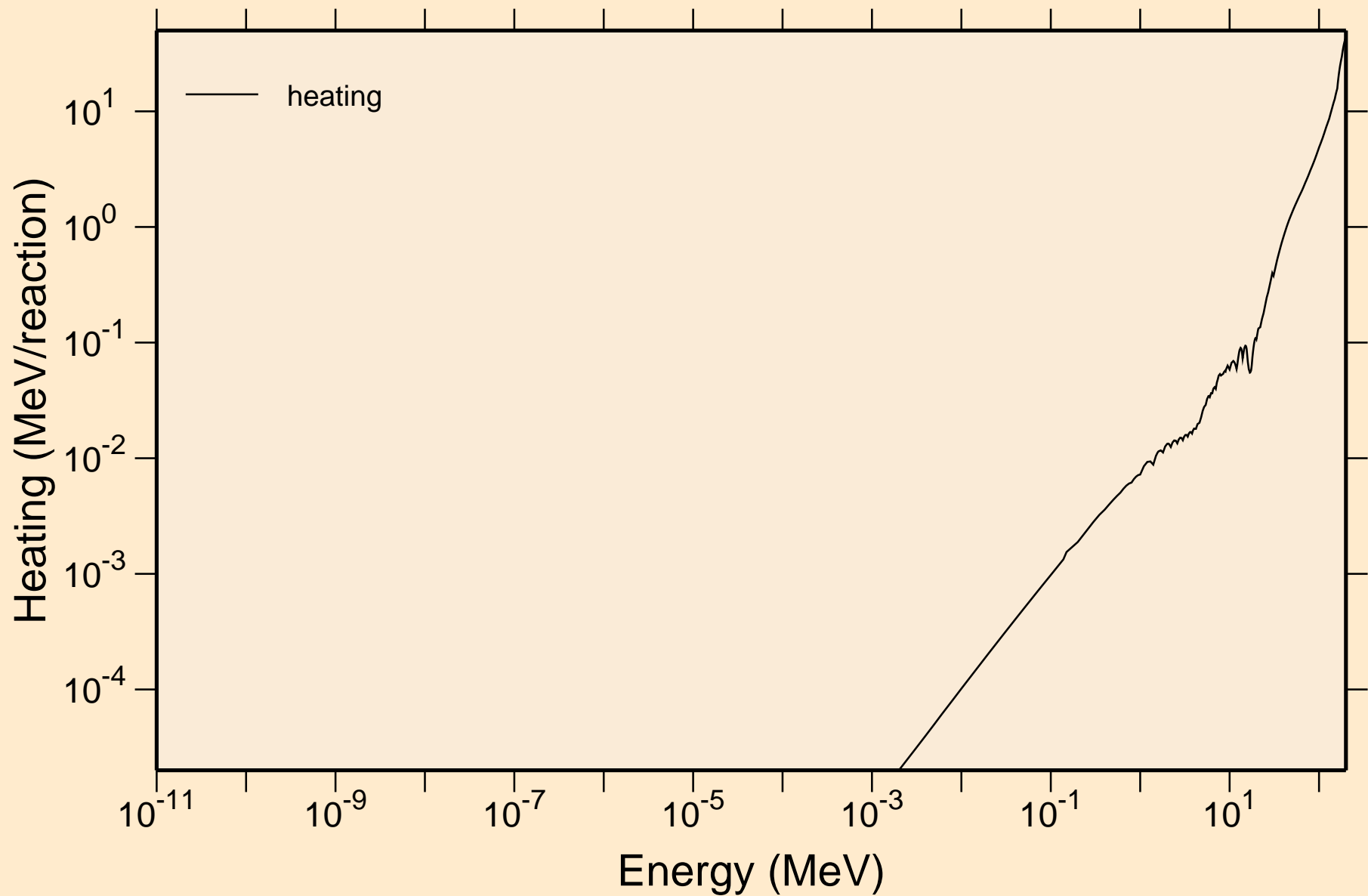
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resonance absorption cross sections



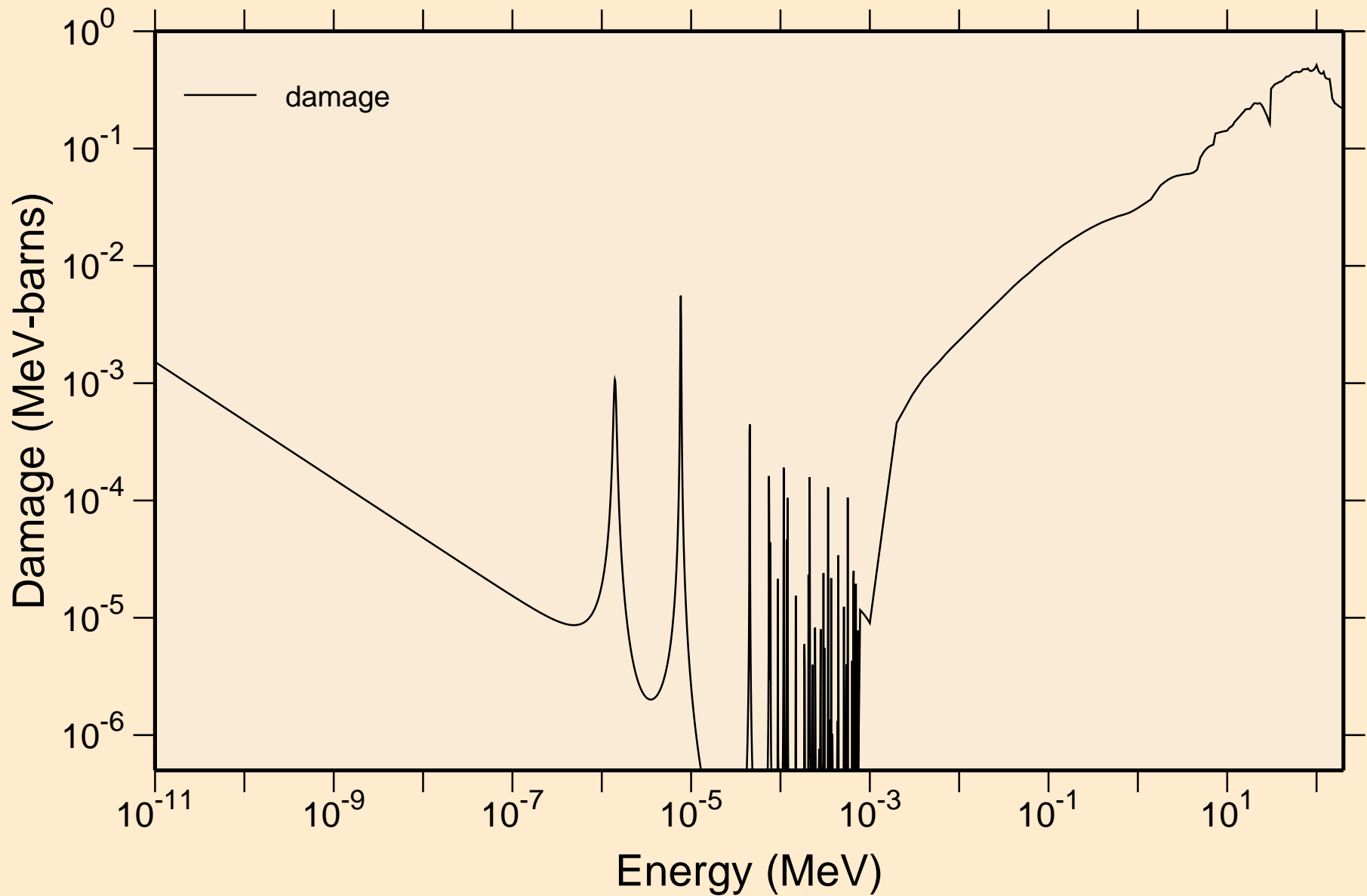
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resonance absorption cross sections



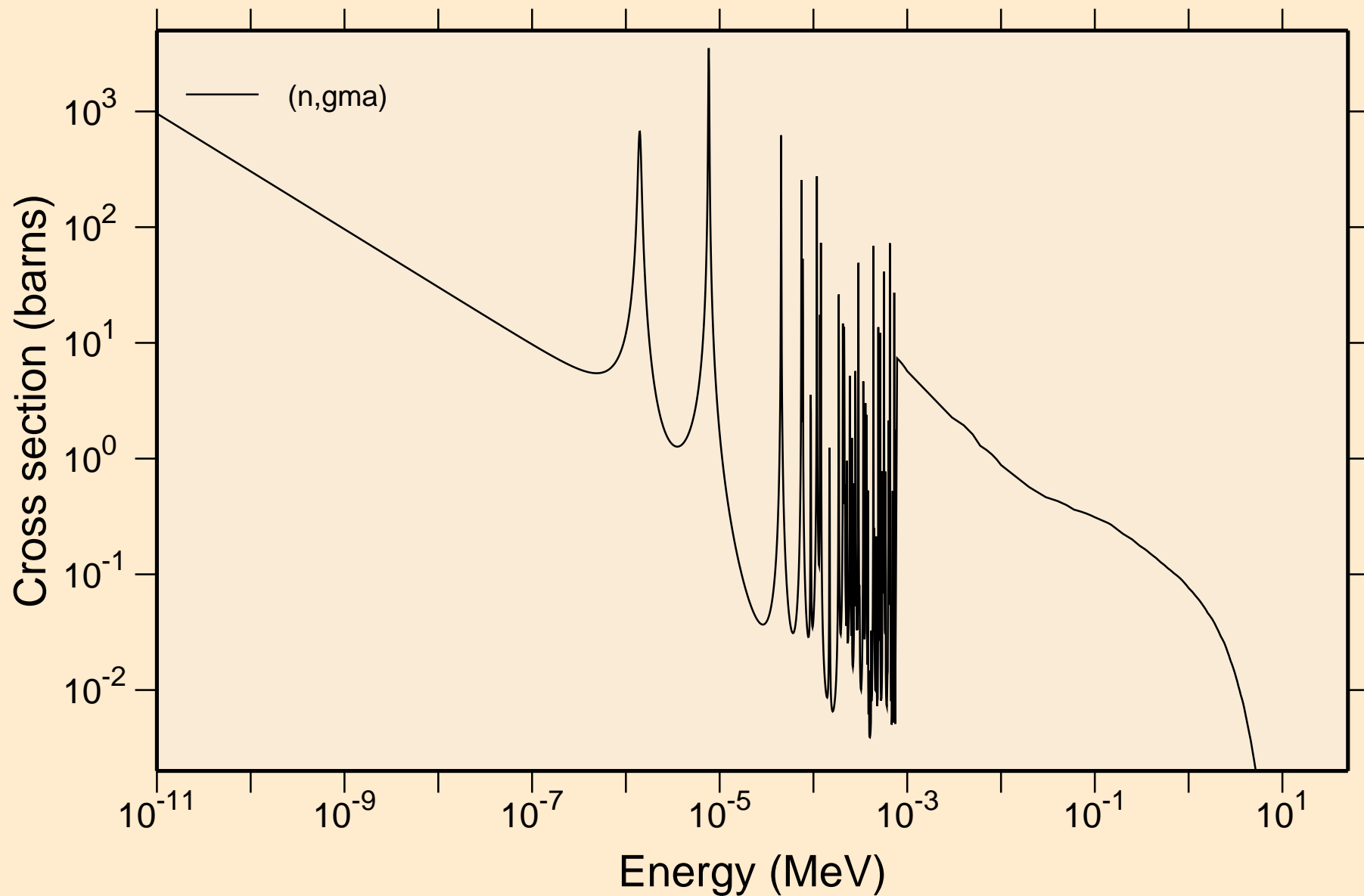
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



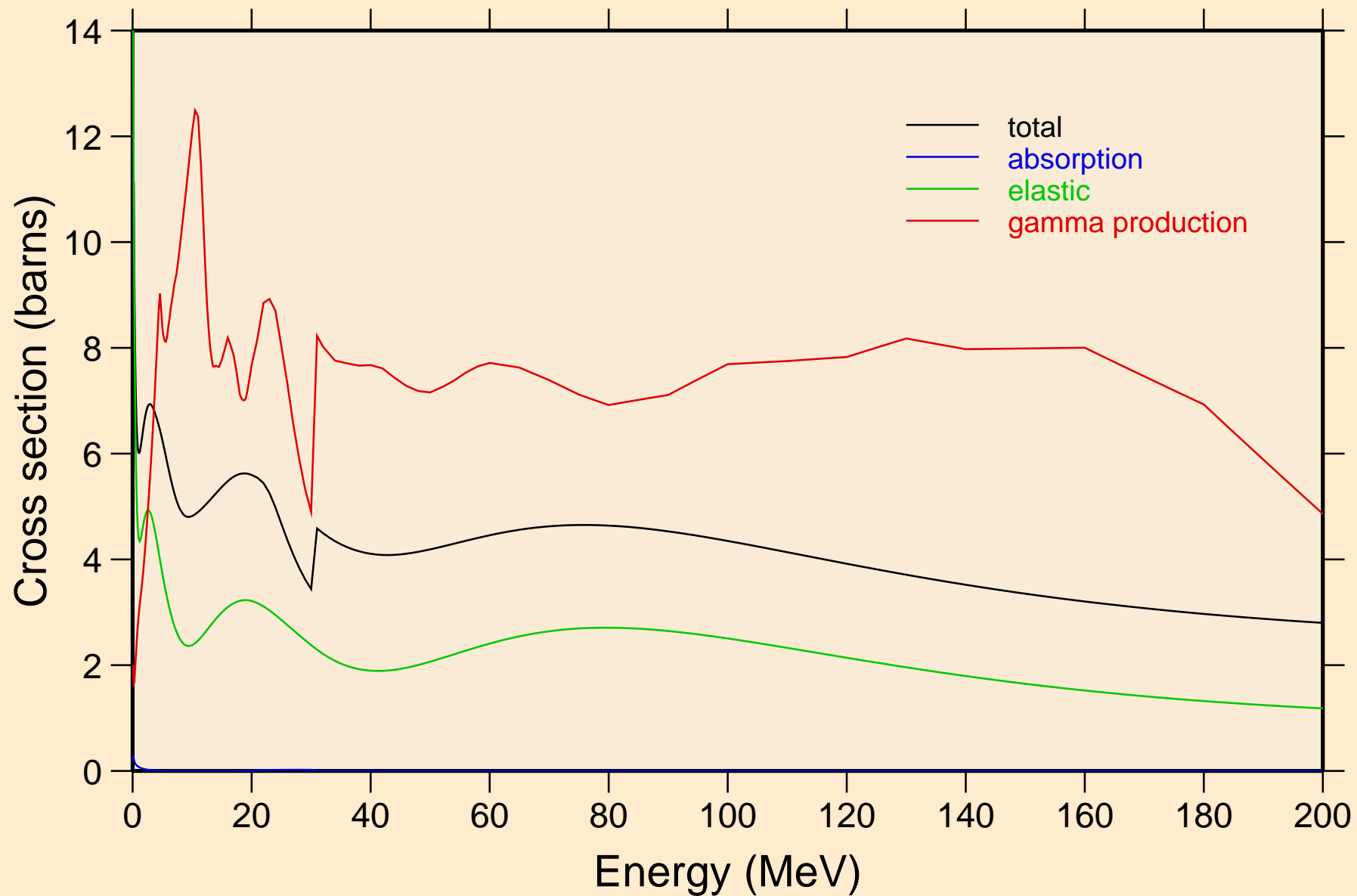
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Damage



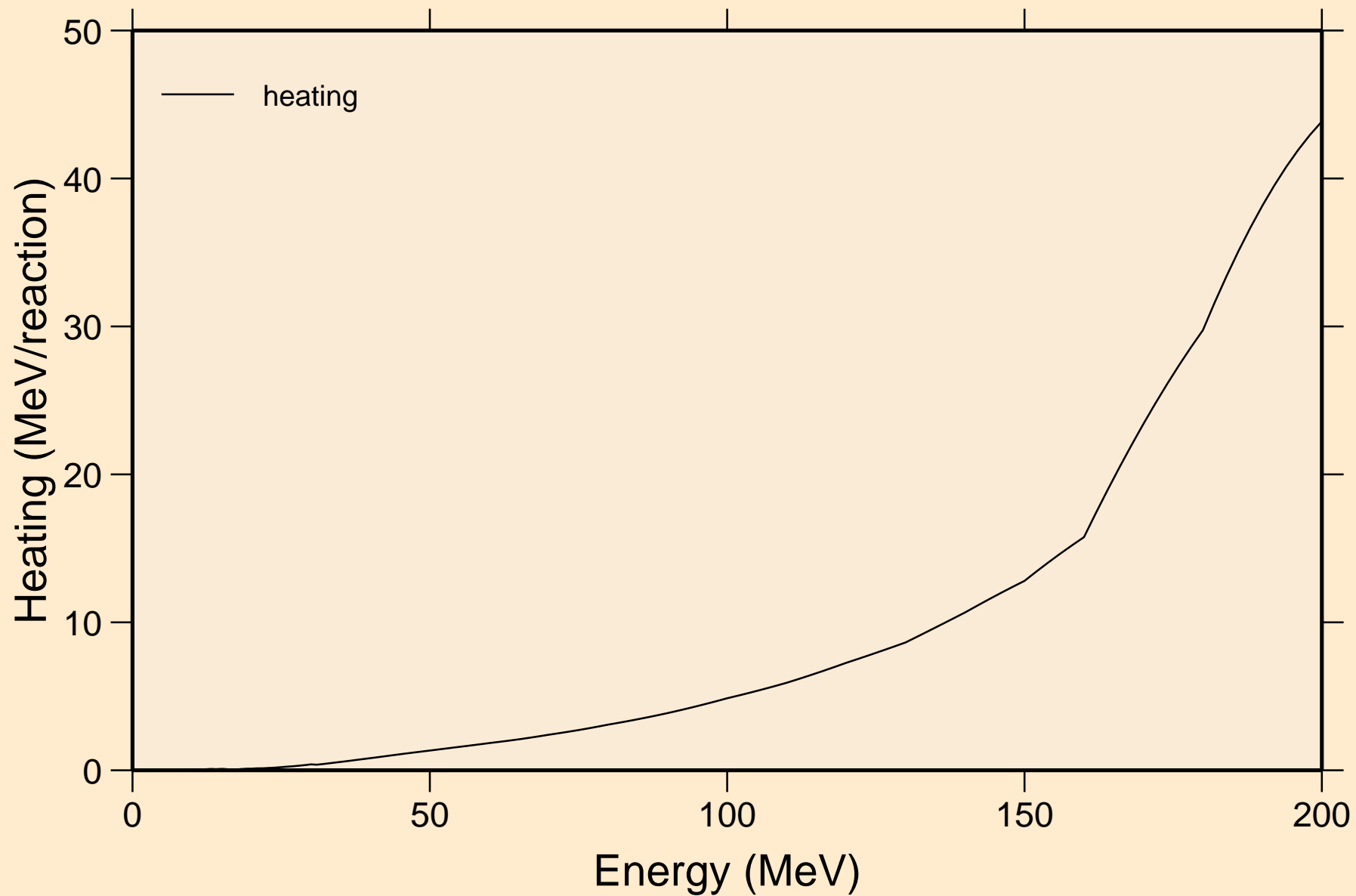
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Principal cross sections

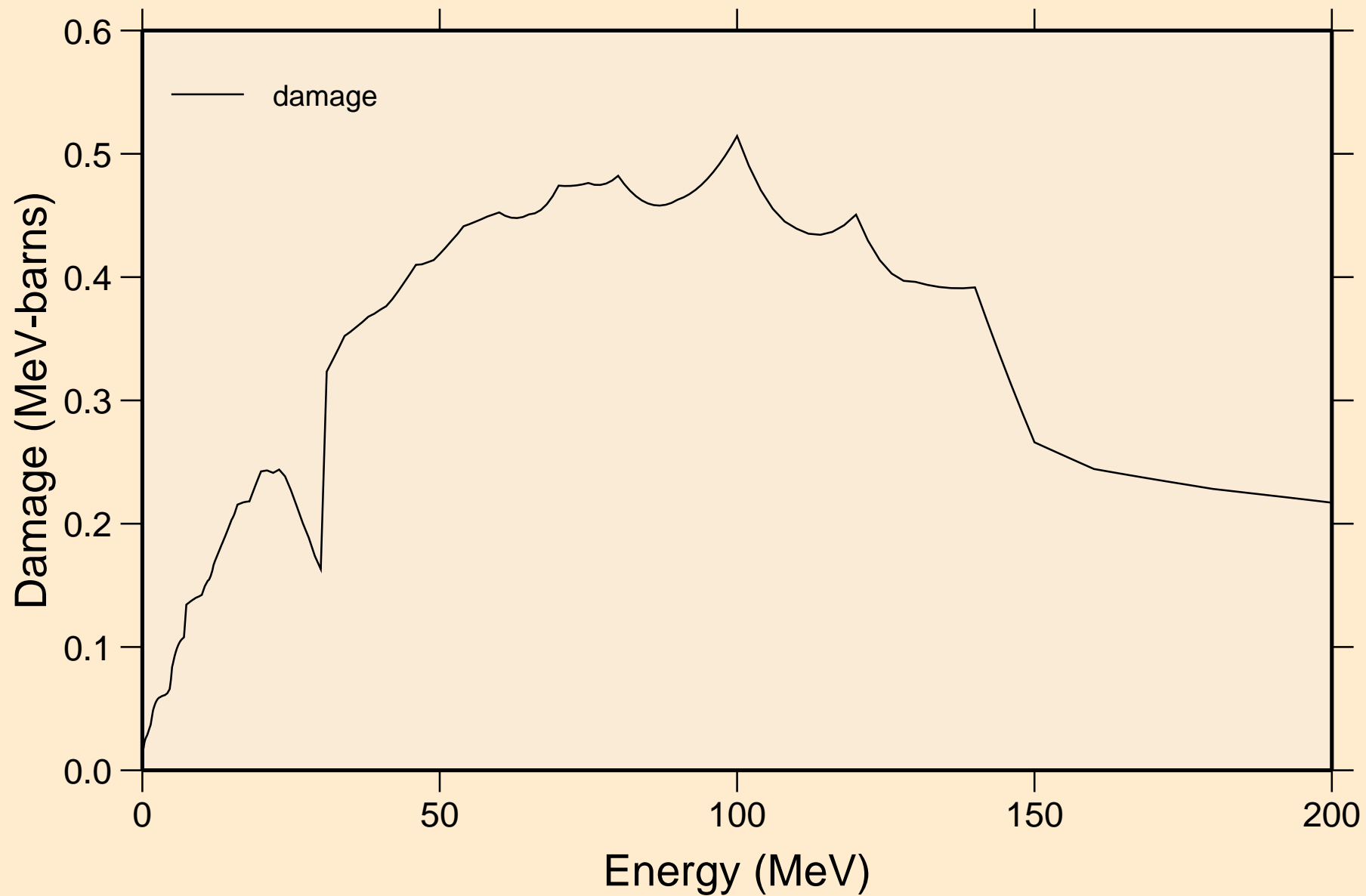


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating

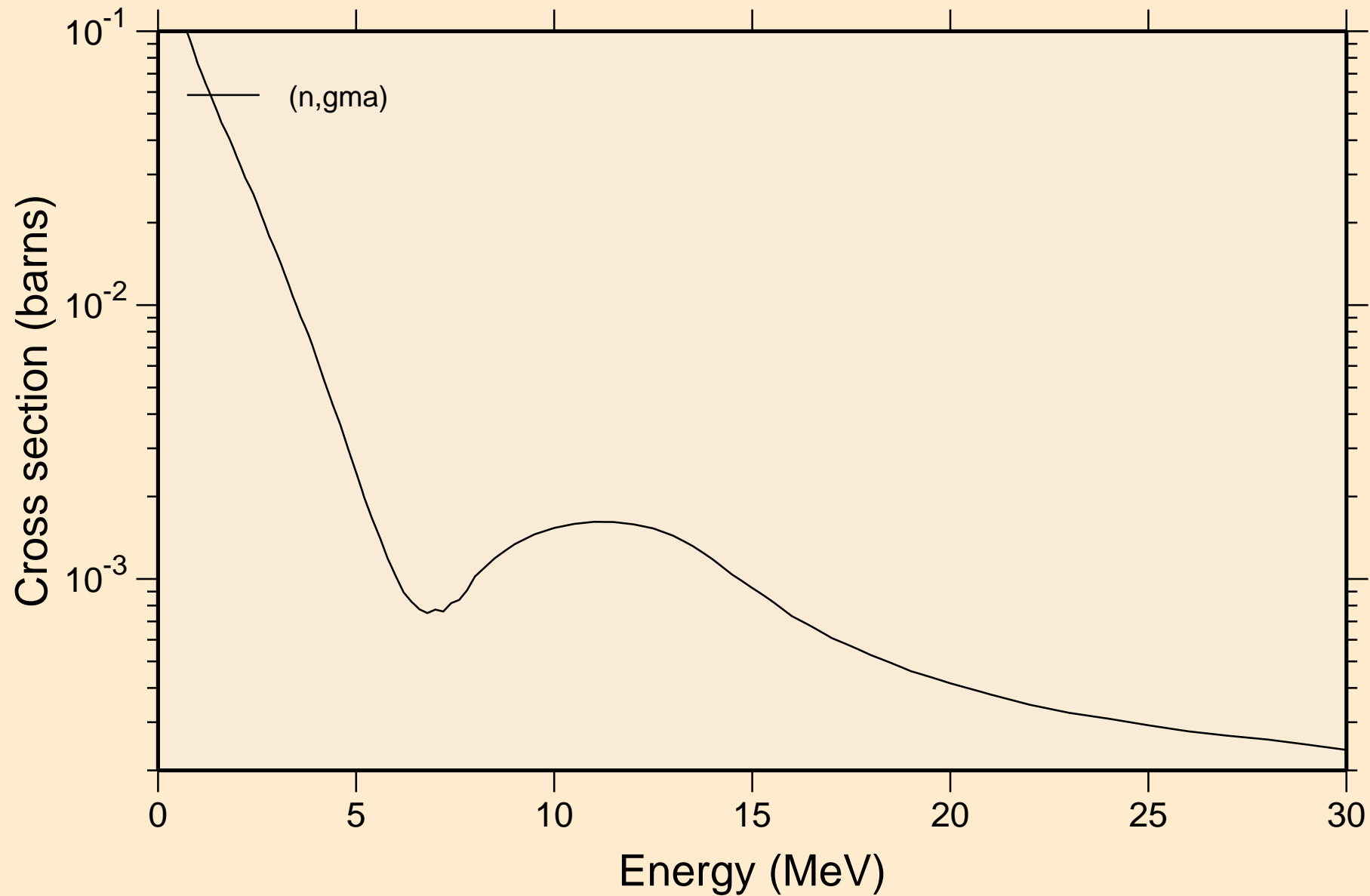


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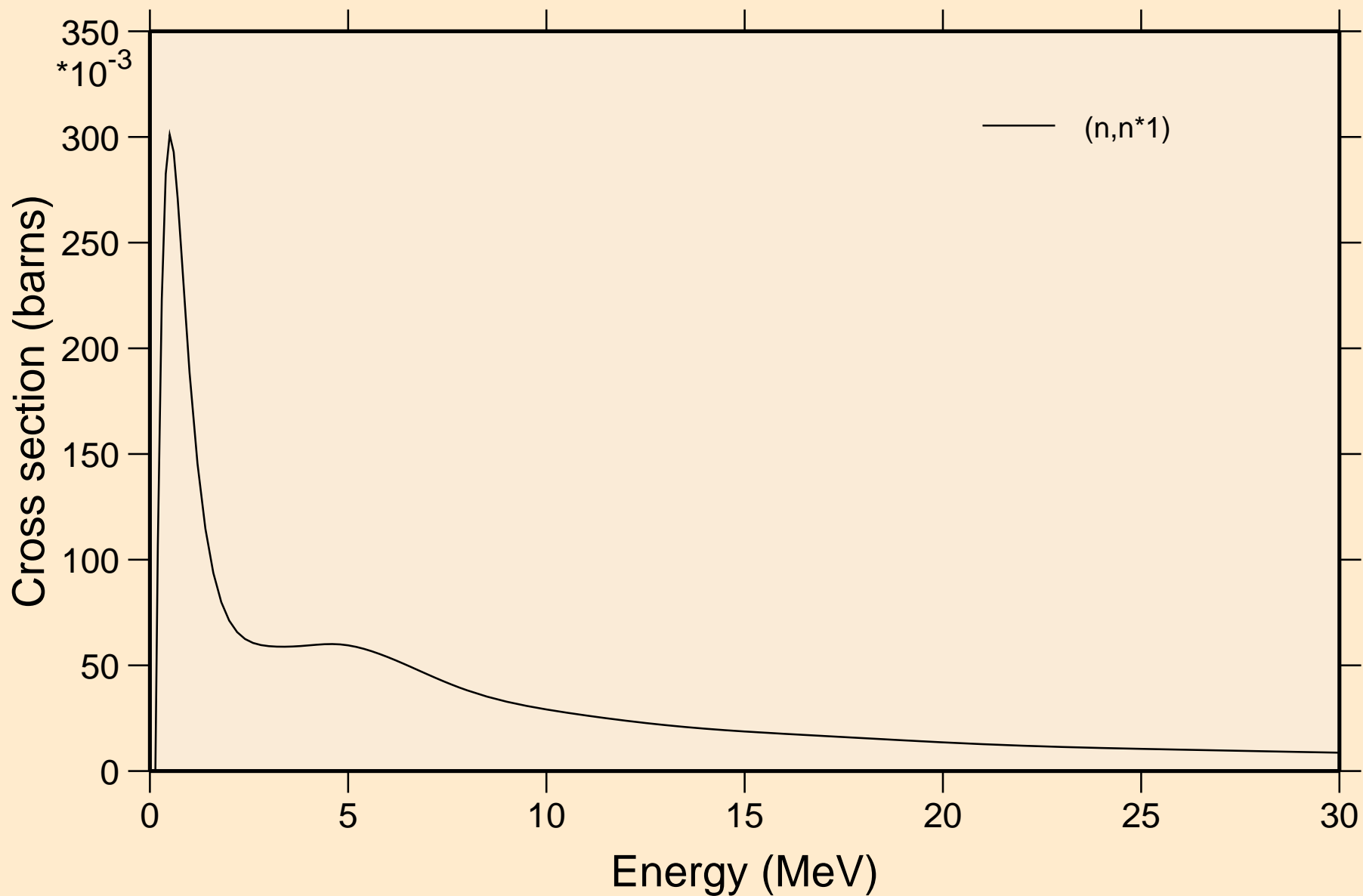
Damage



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

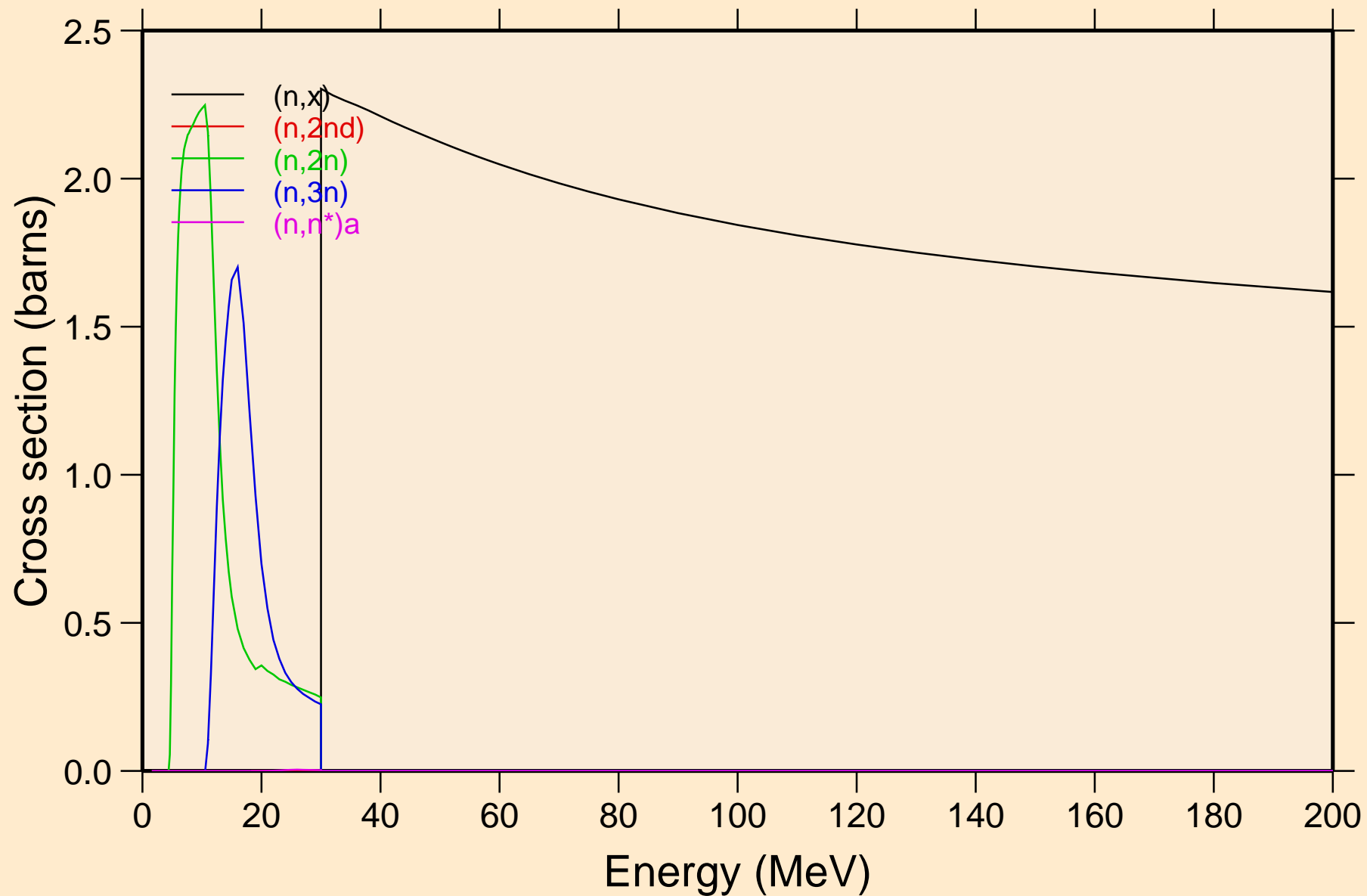


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



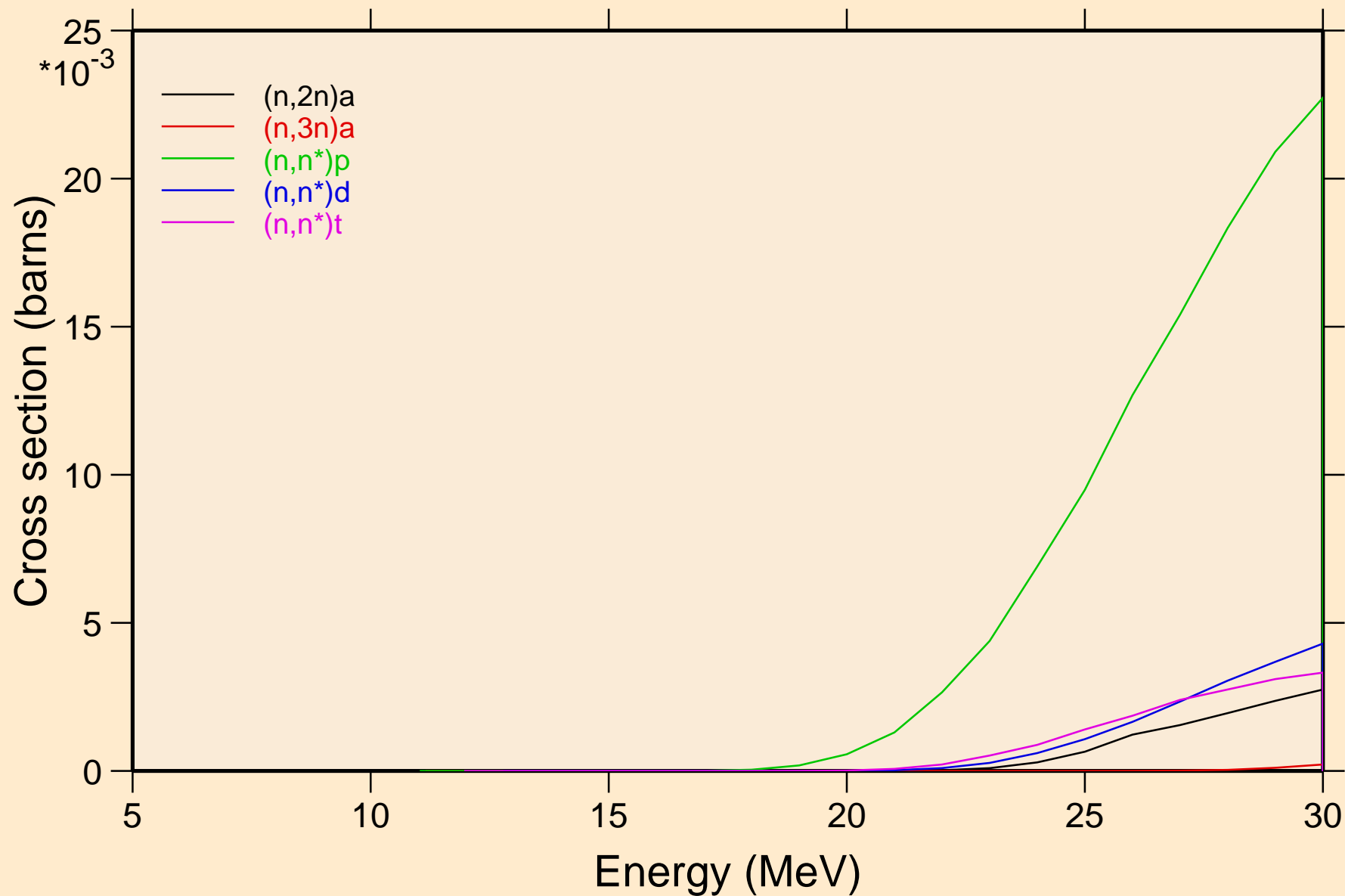
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Threshold reactions

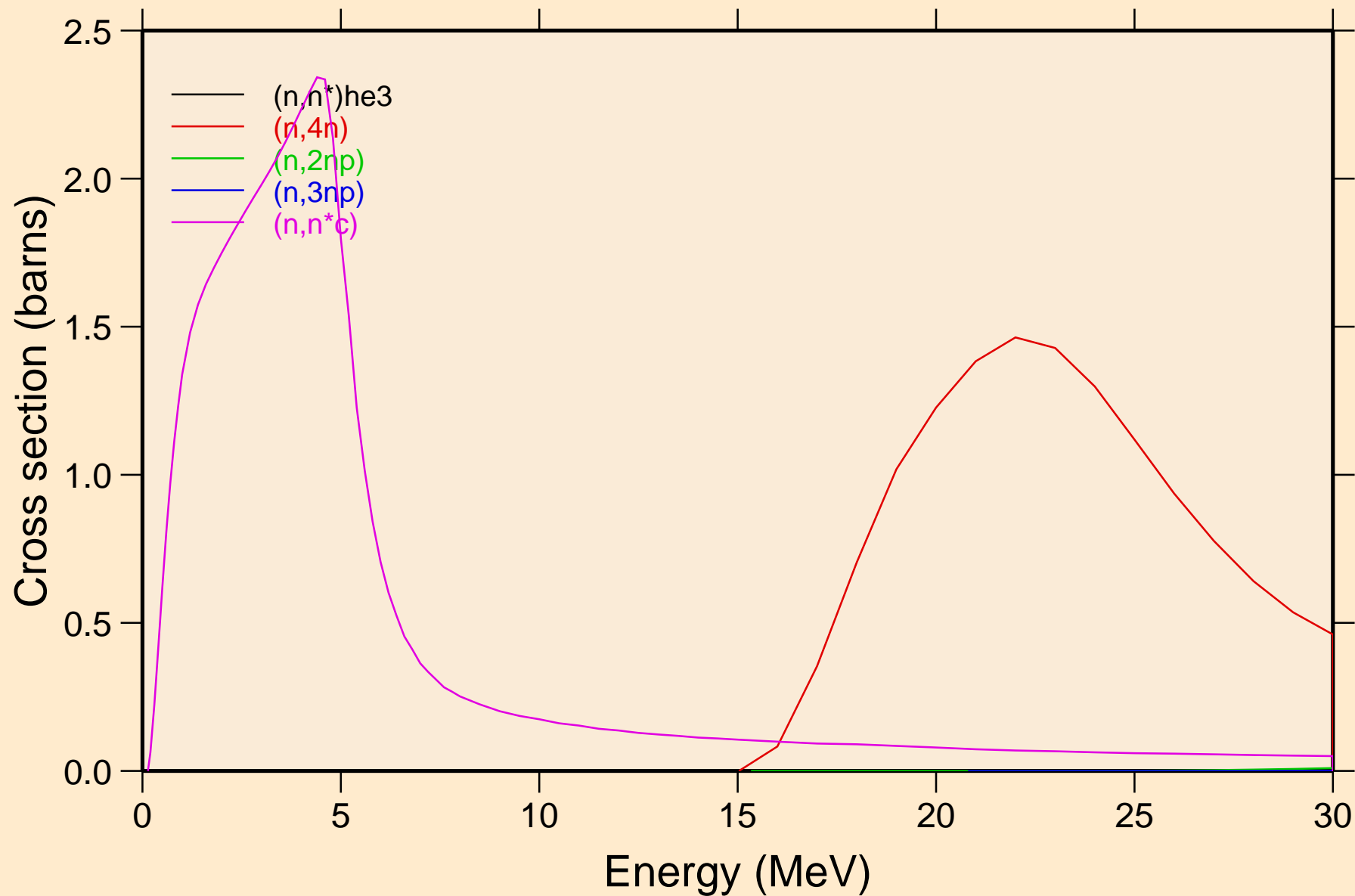


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

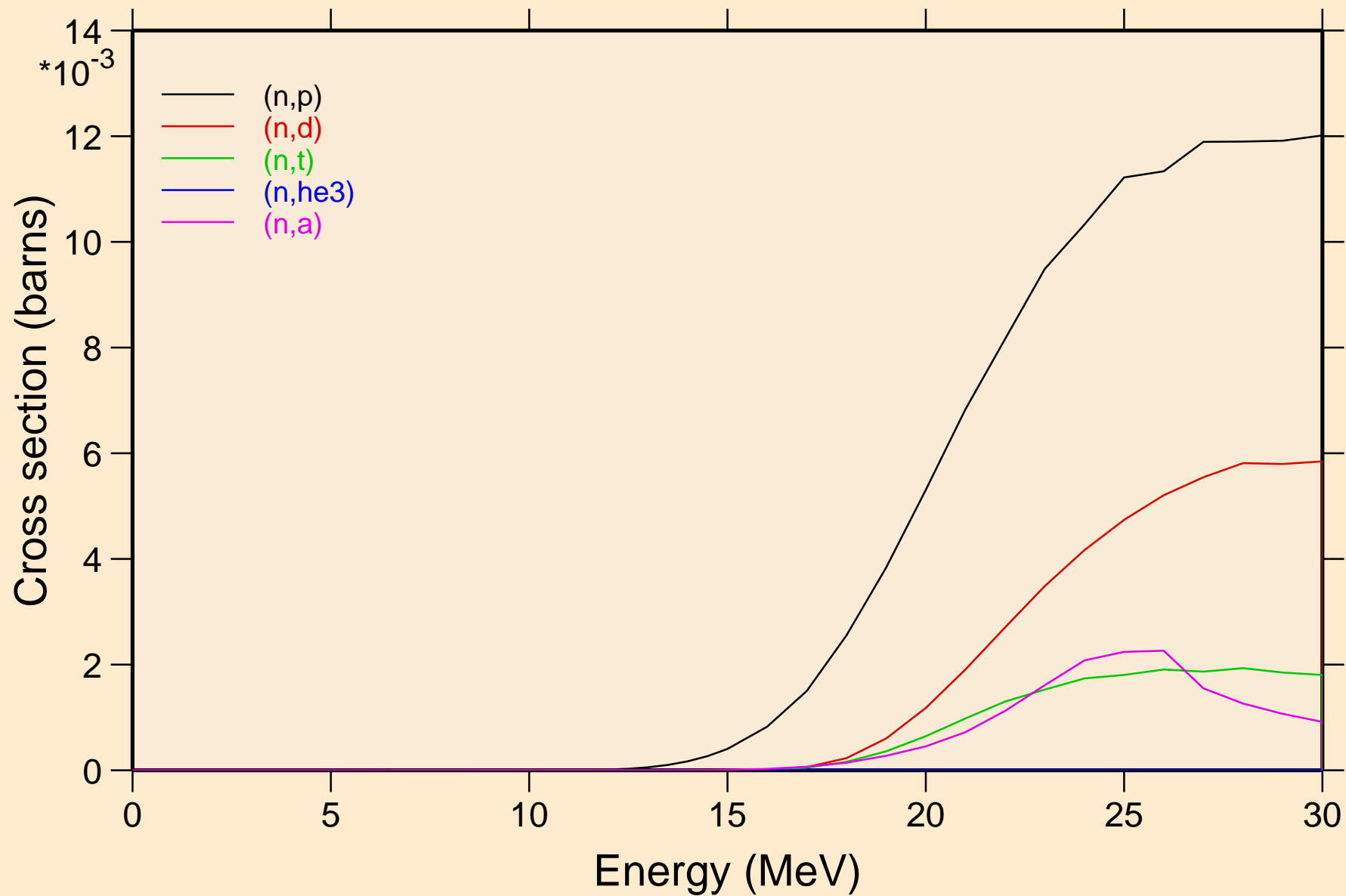
Threshold reactions



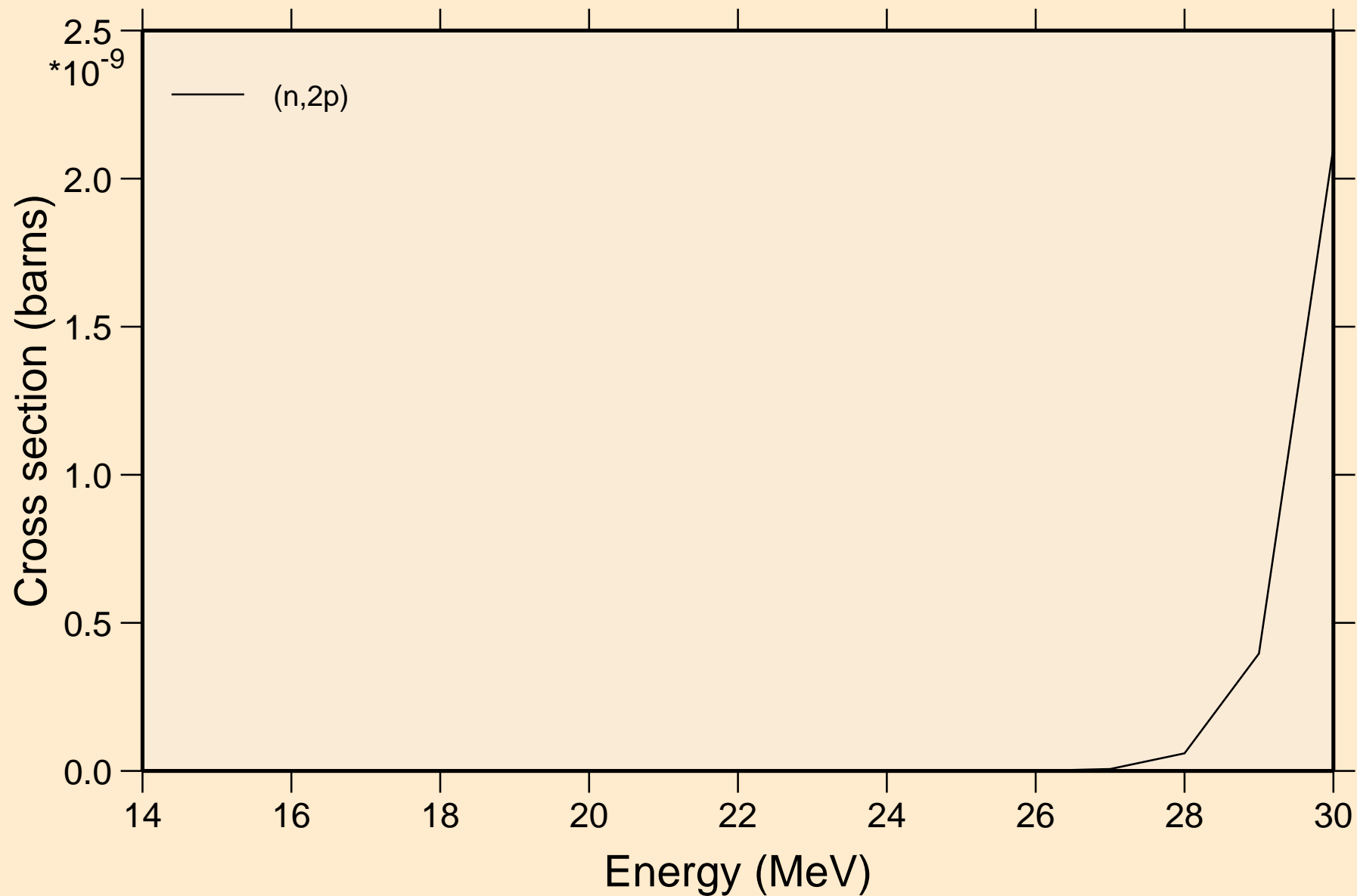
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

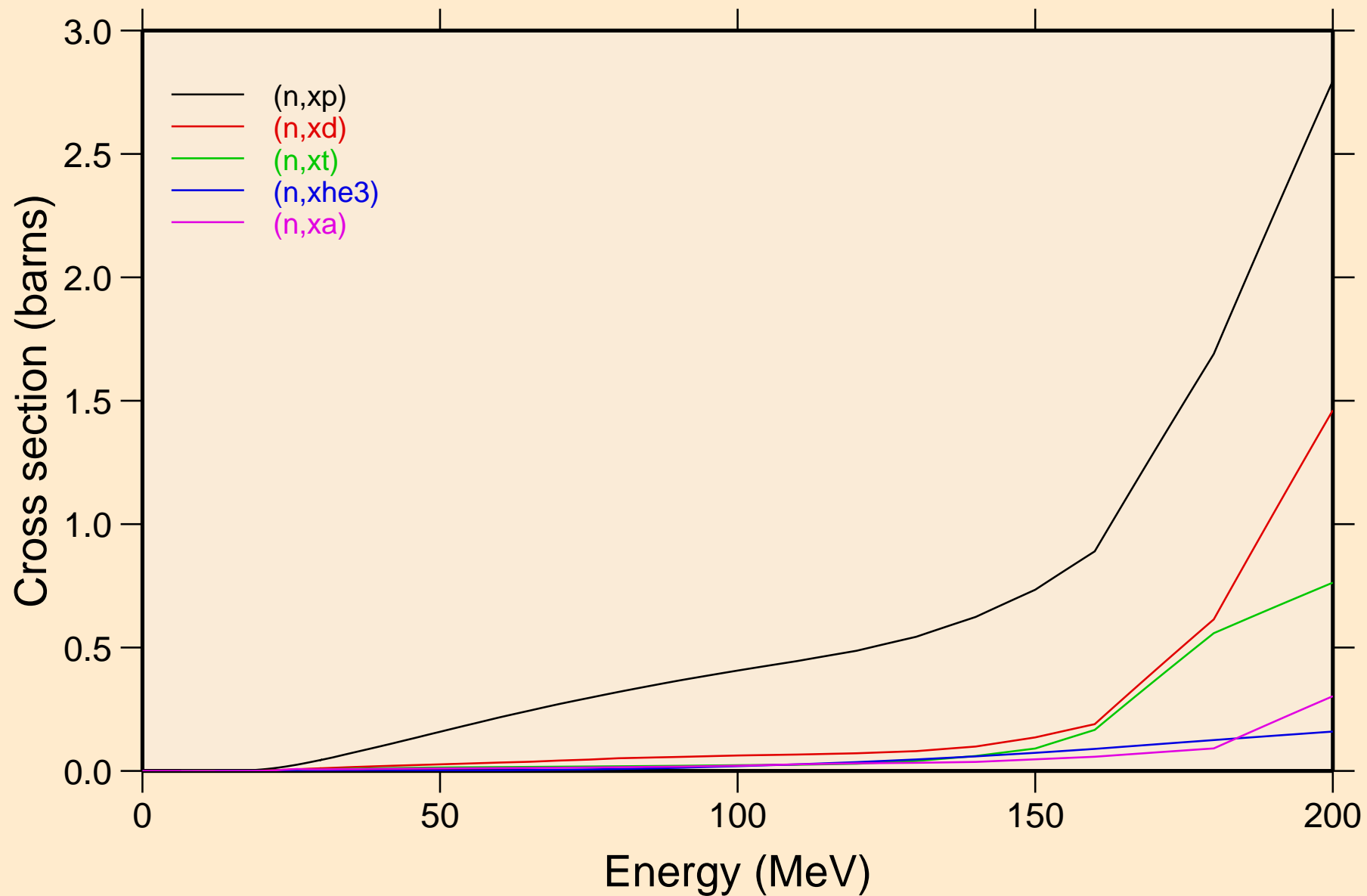


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions

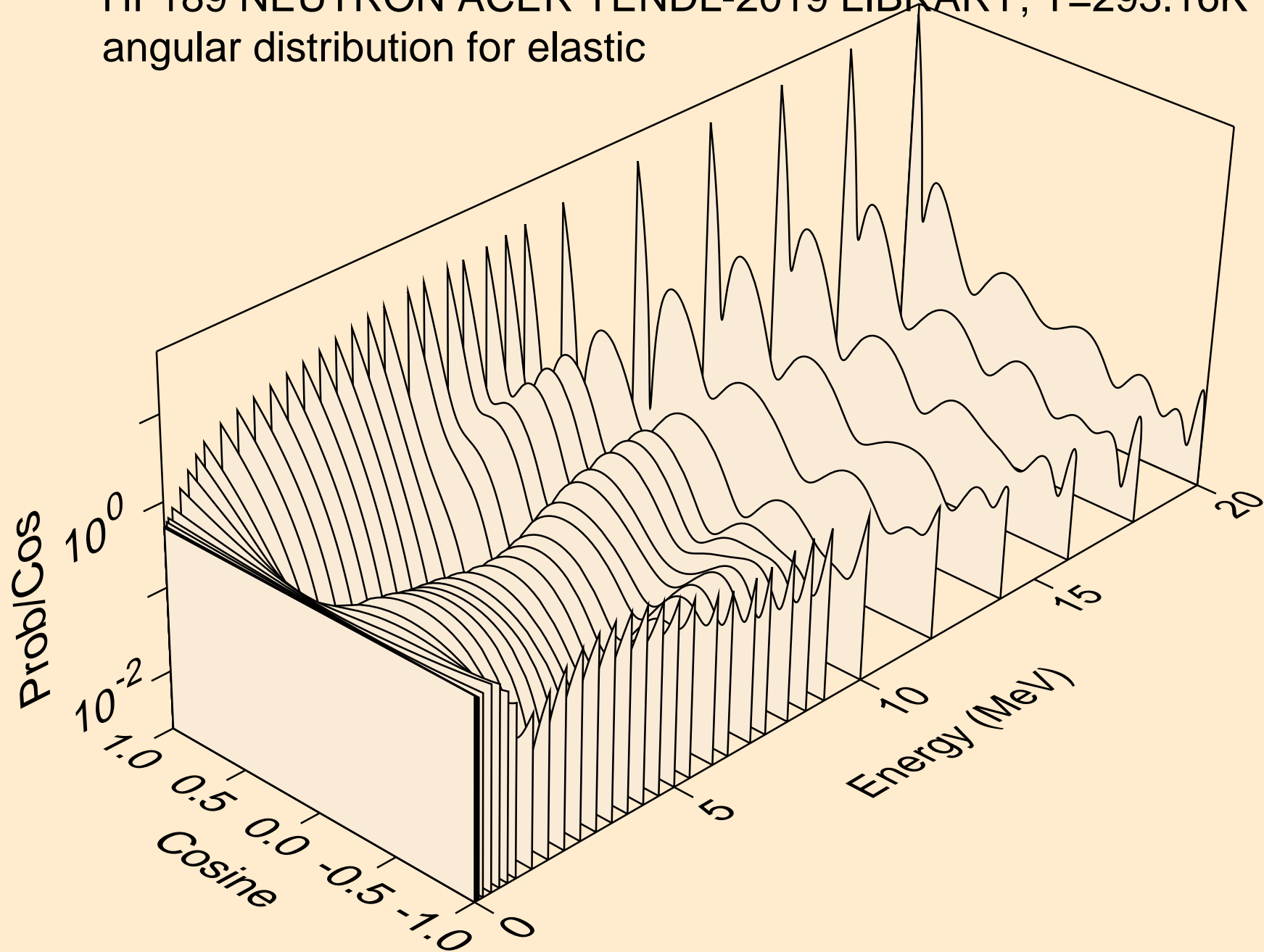


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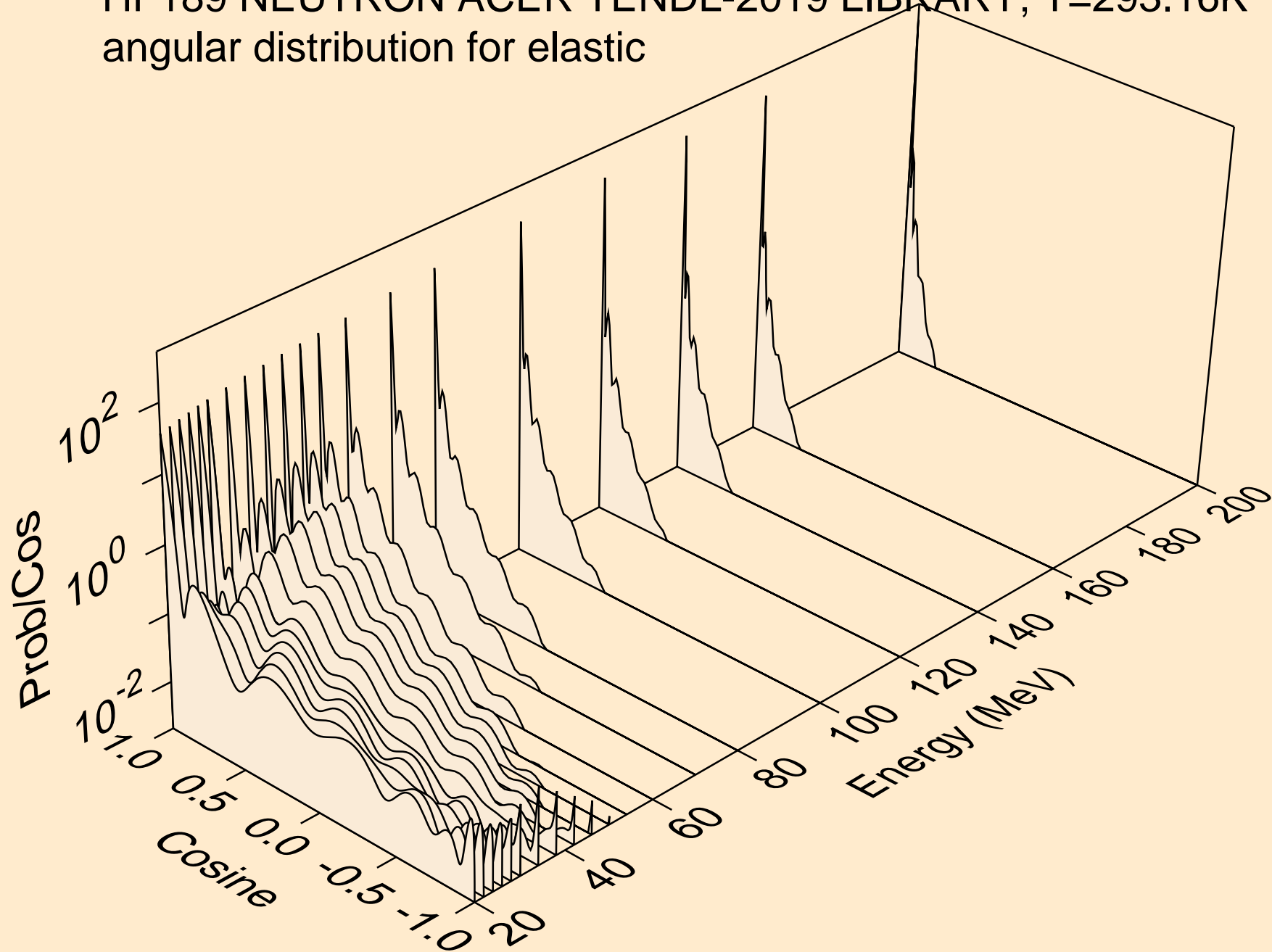
Threshold reactions



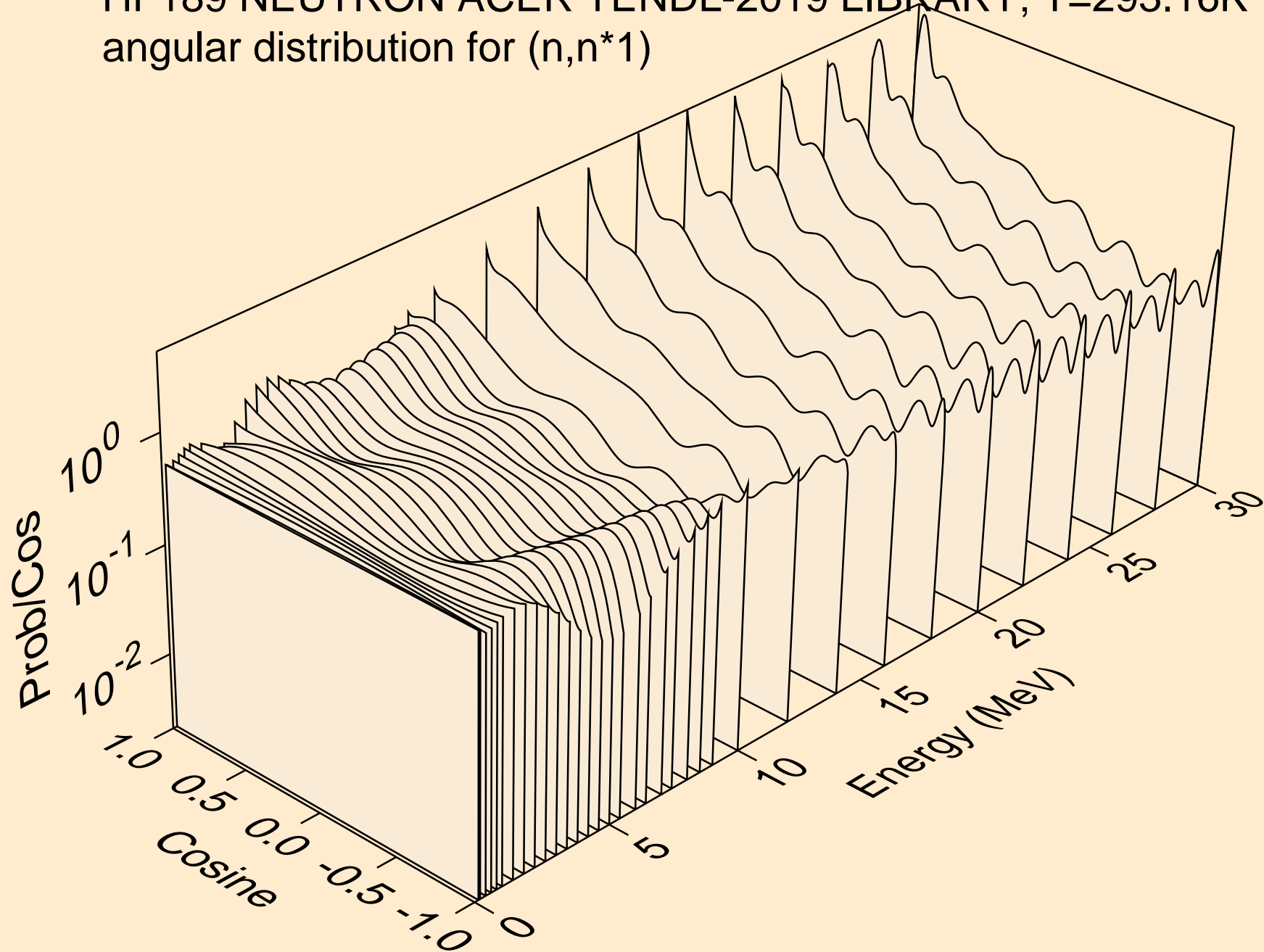
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



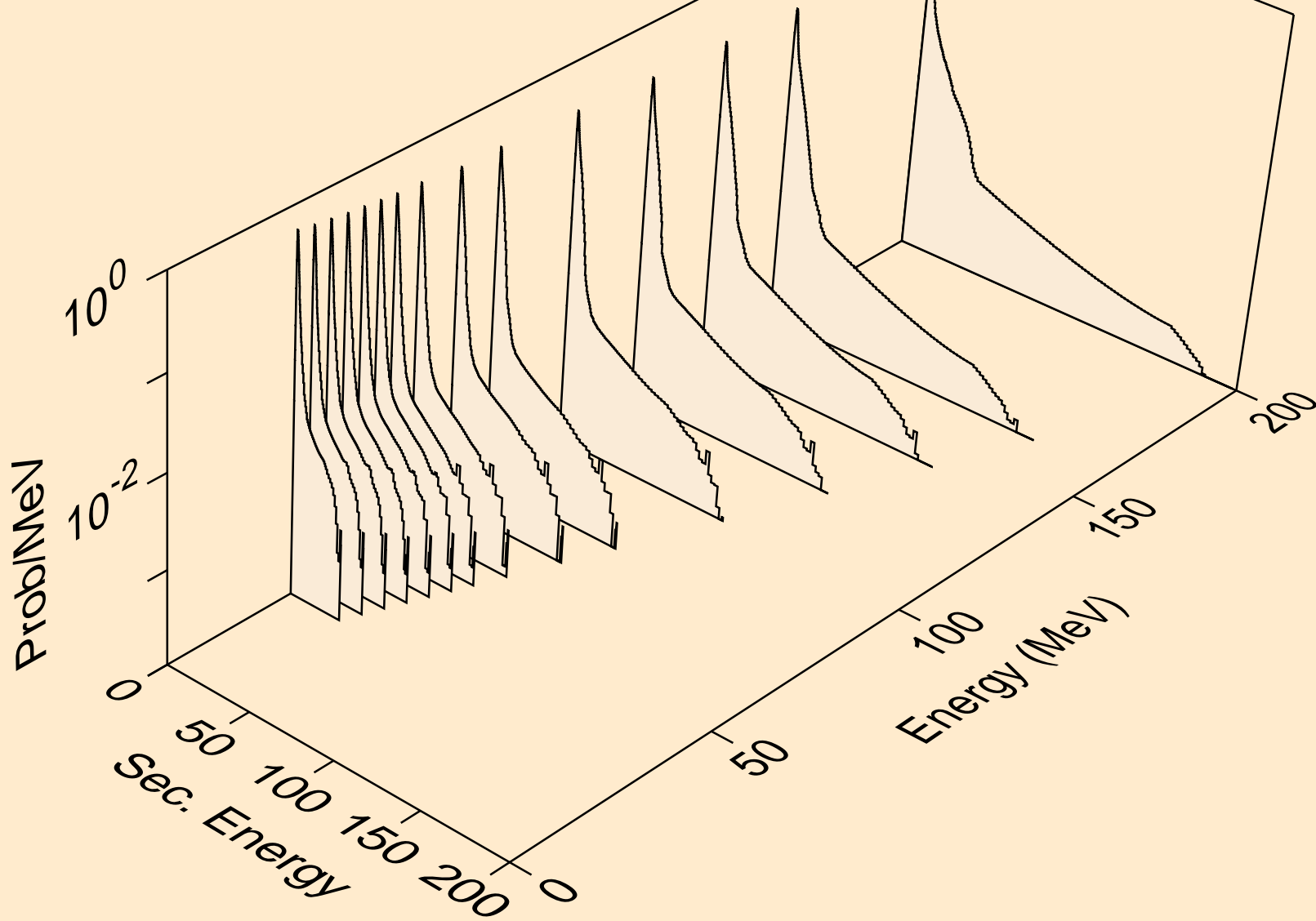
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



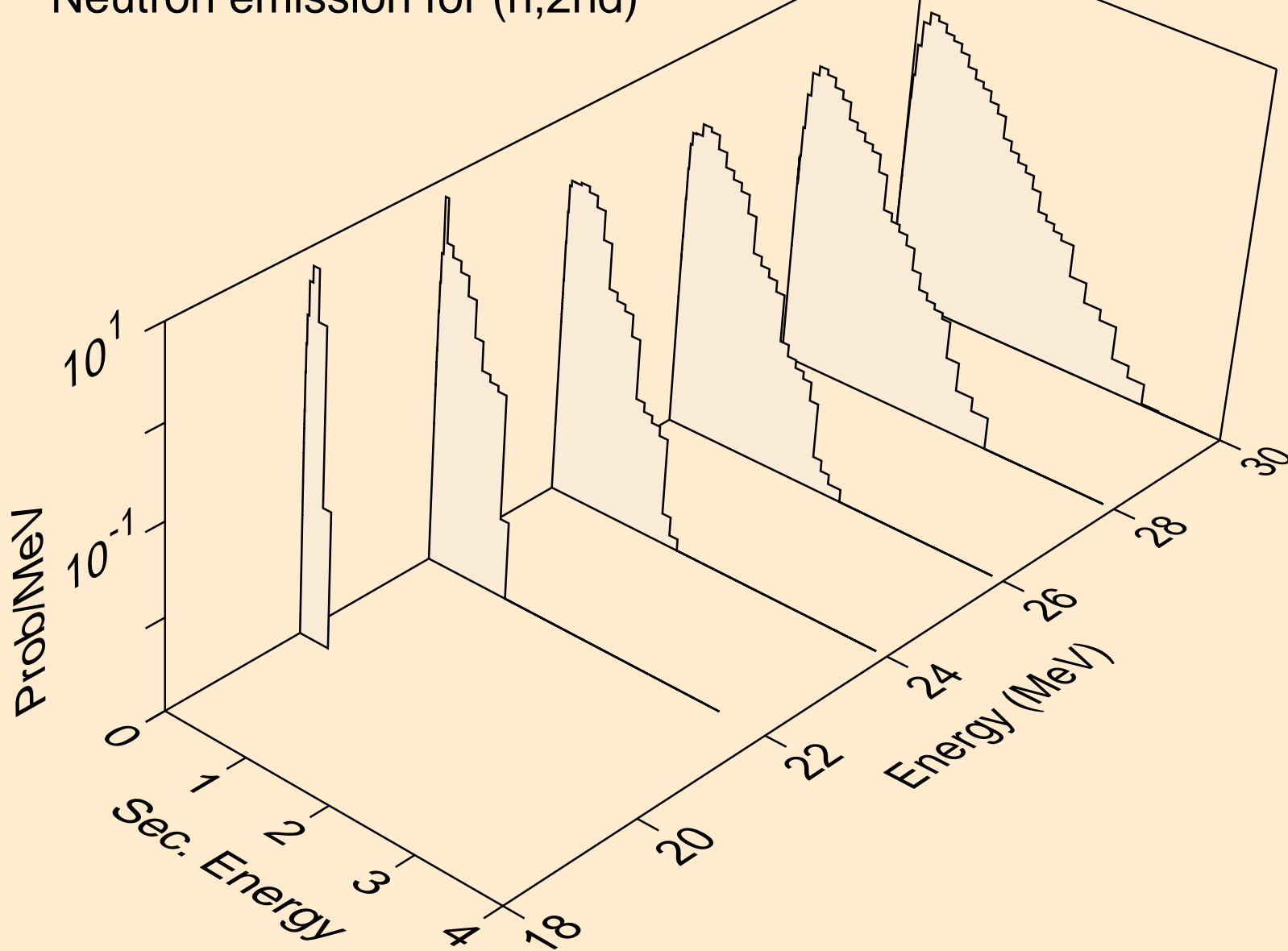
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



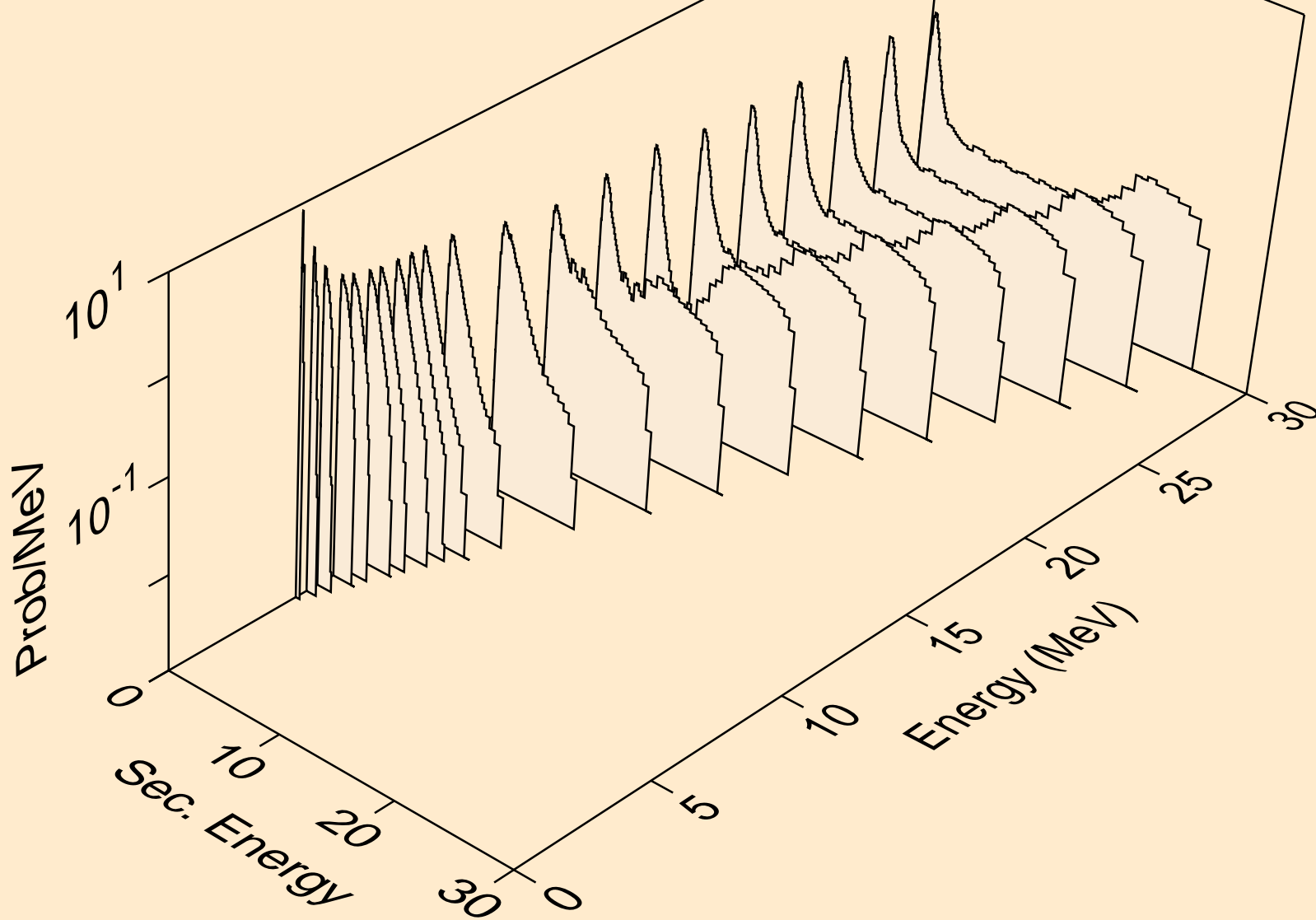
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



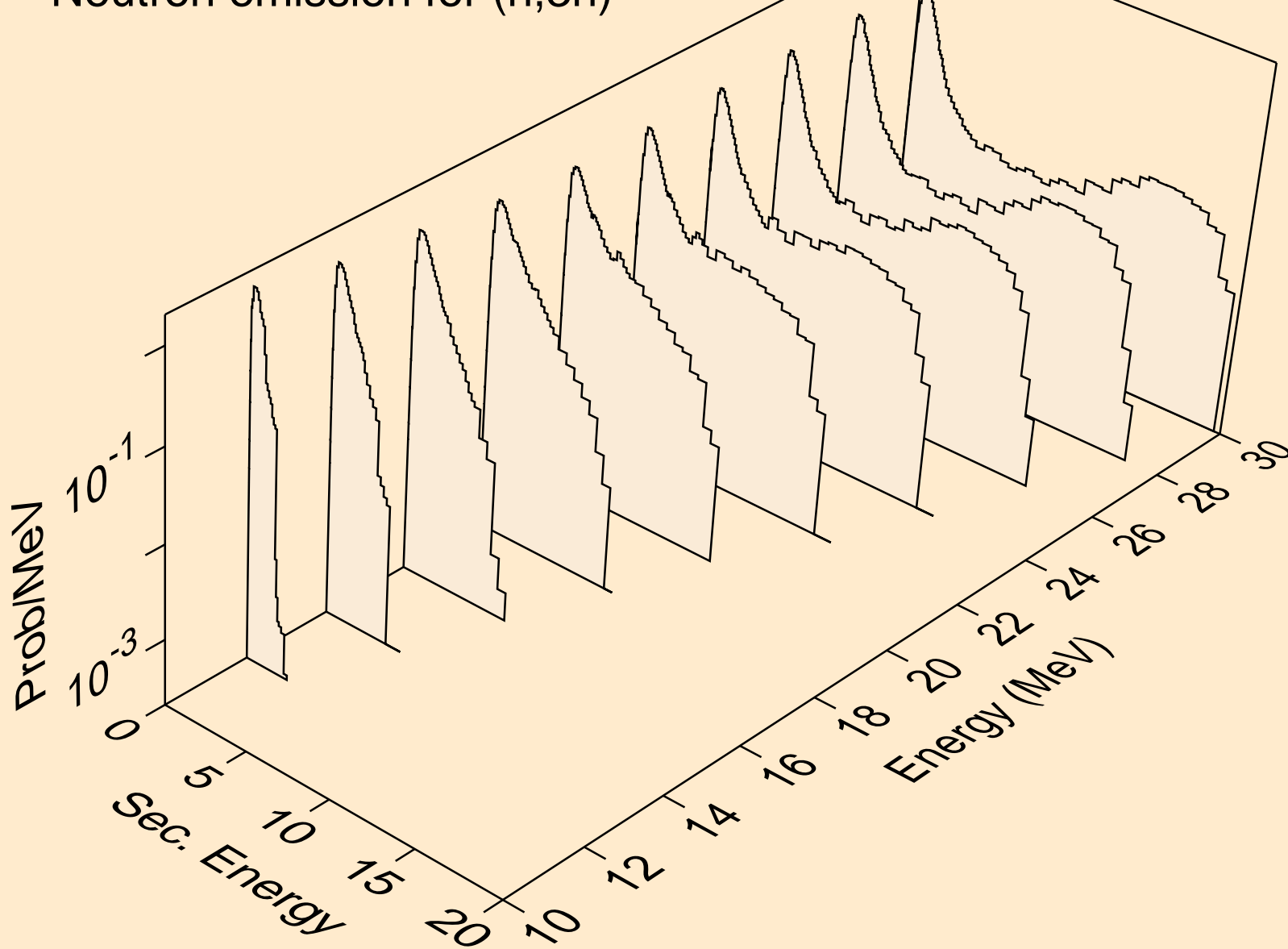
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



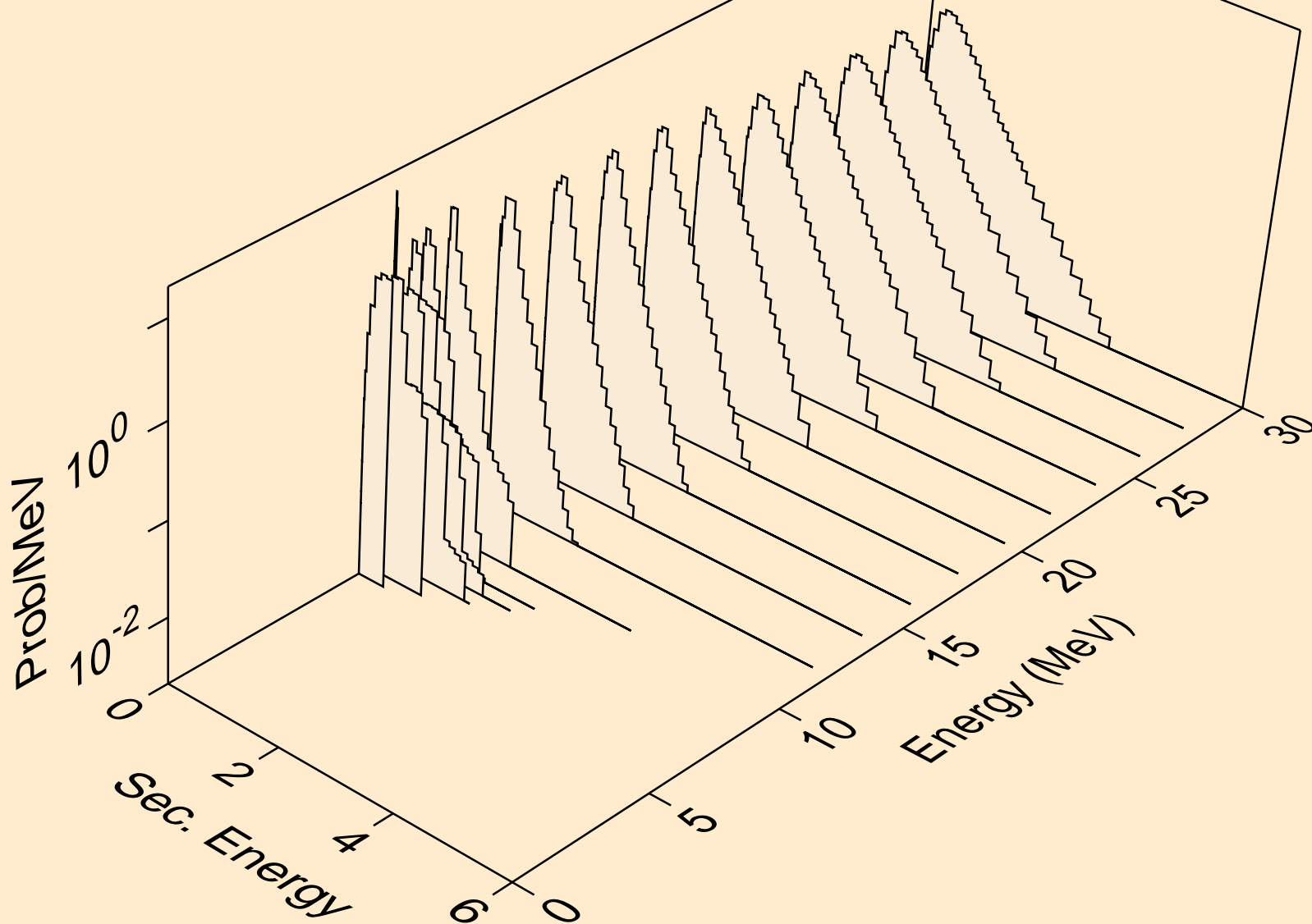
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



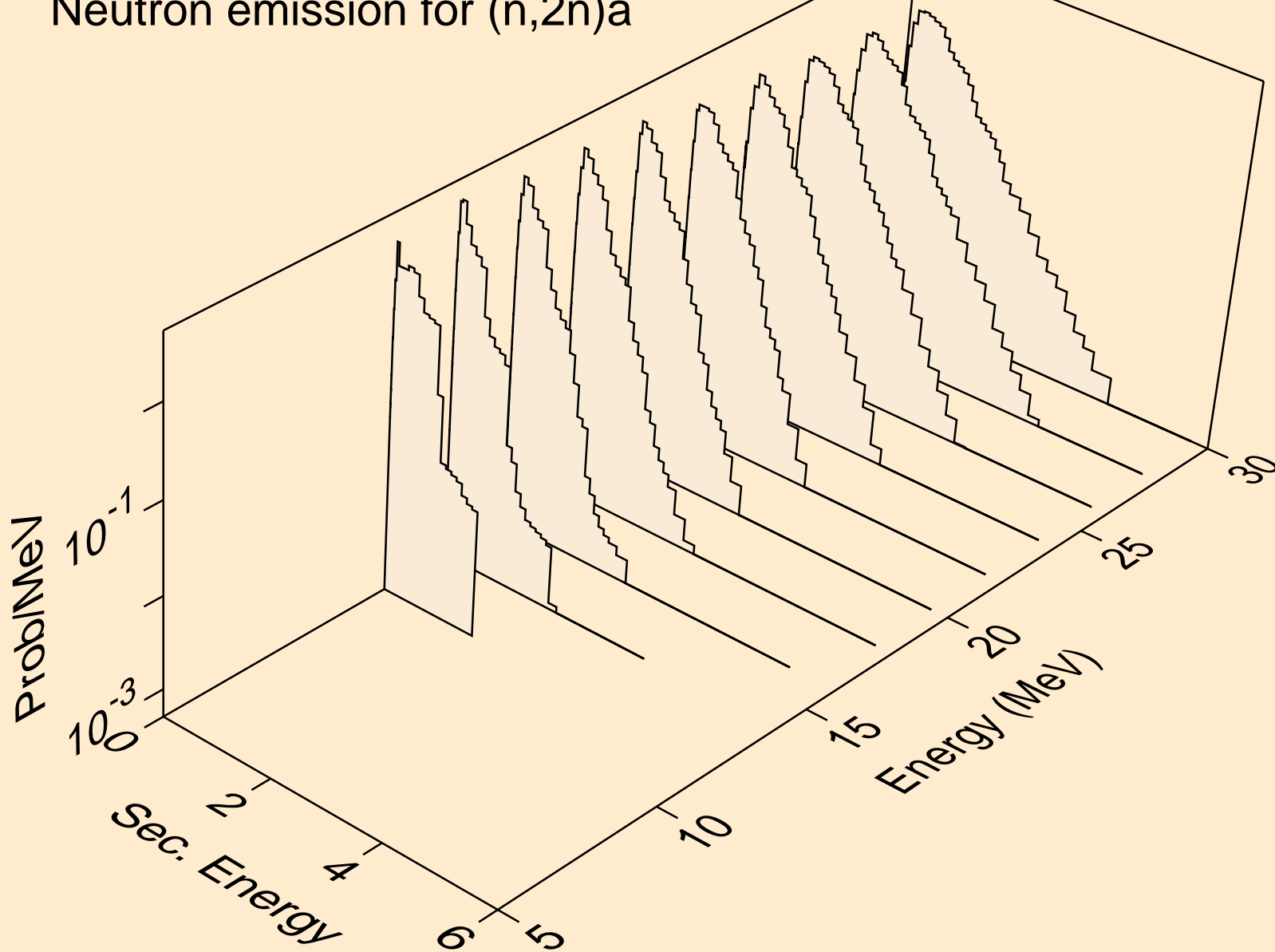
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



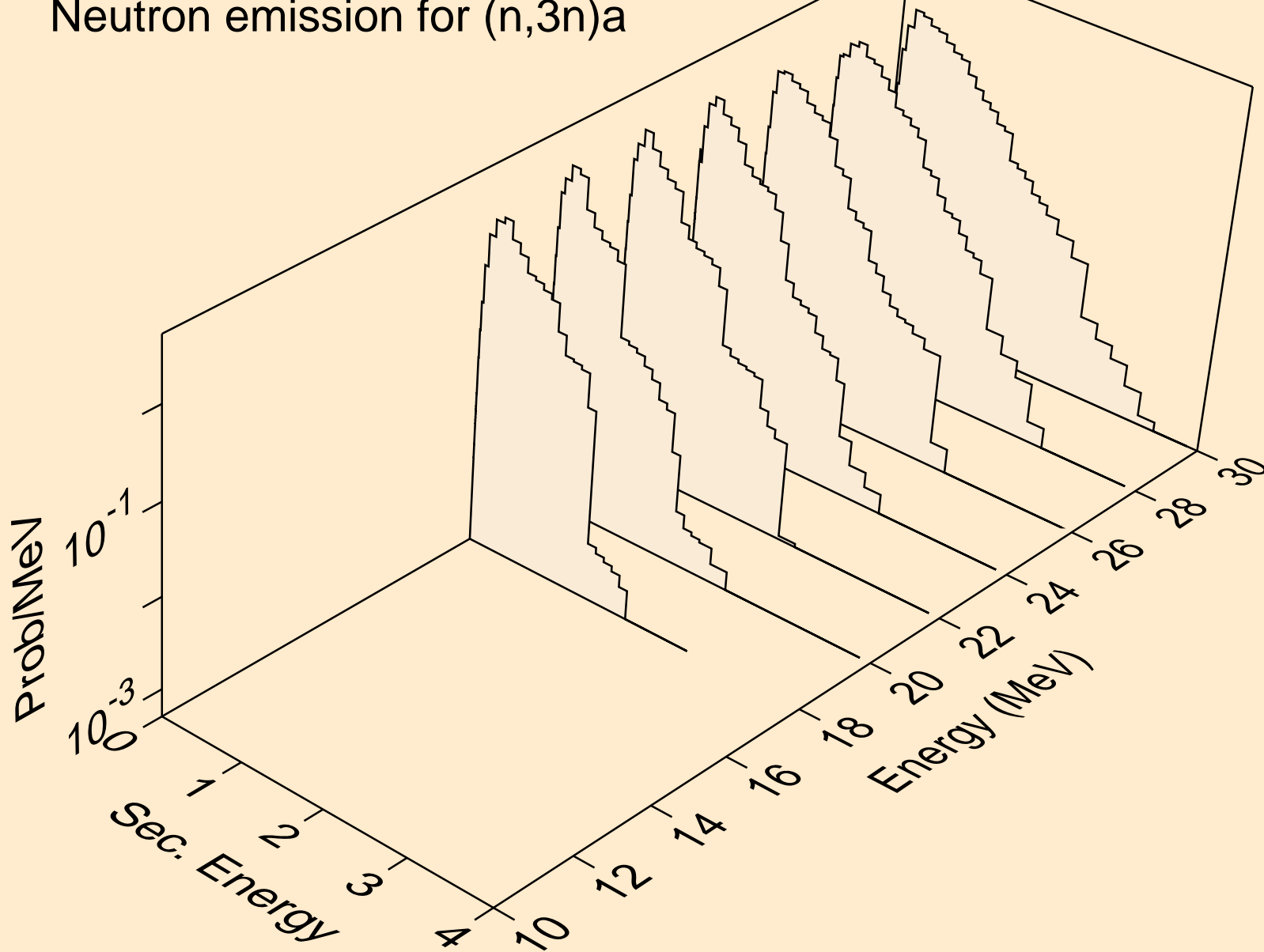
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



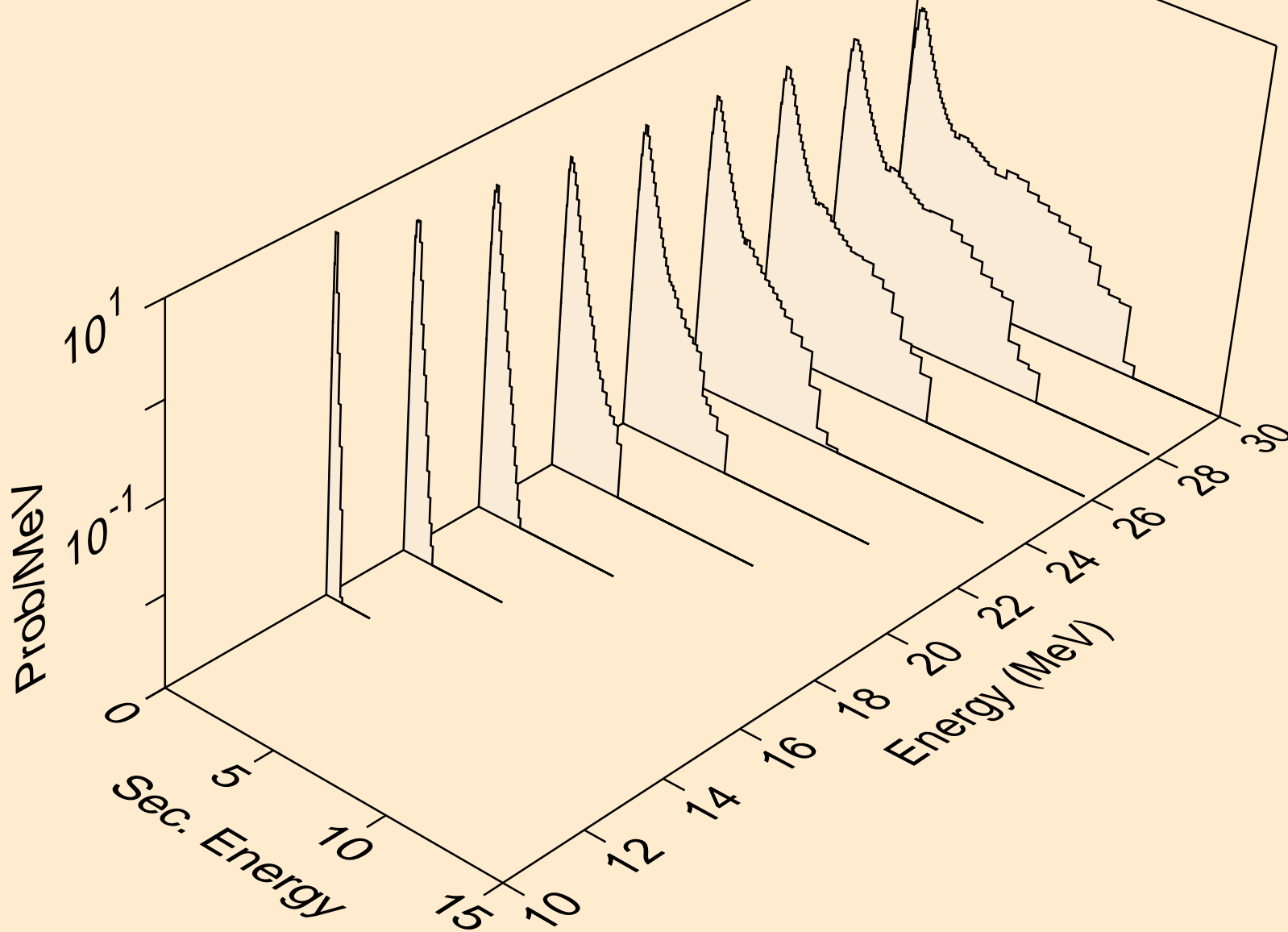
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)a



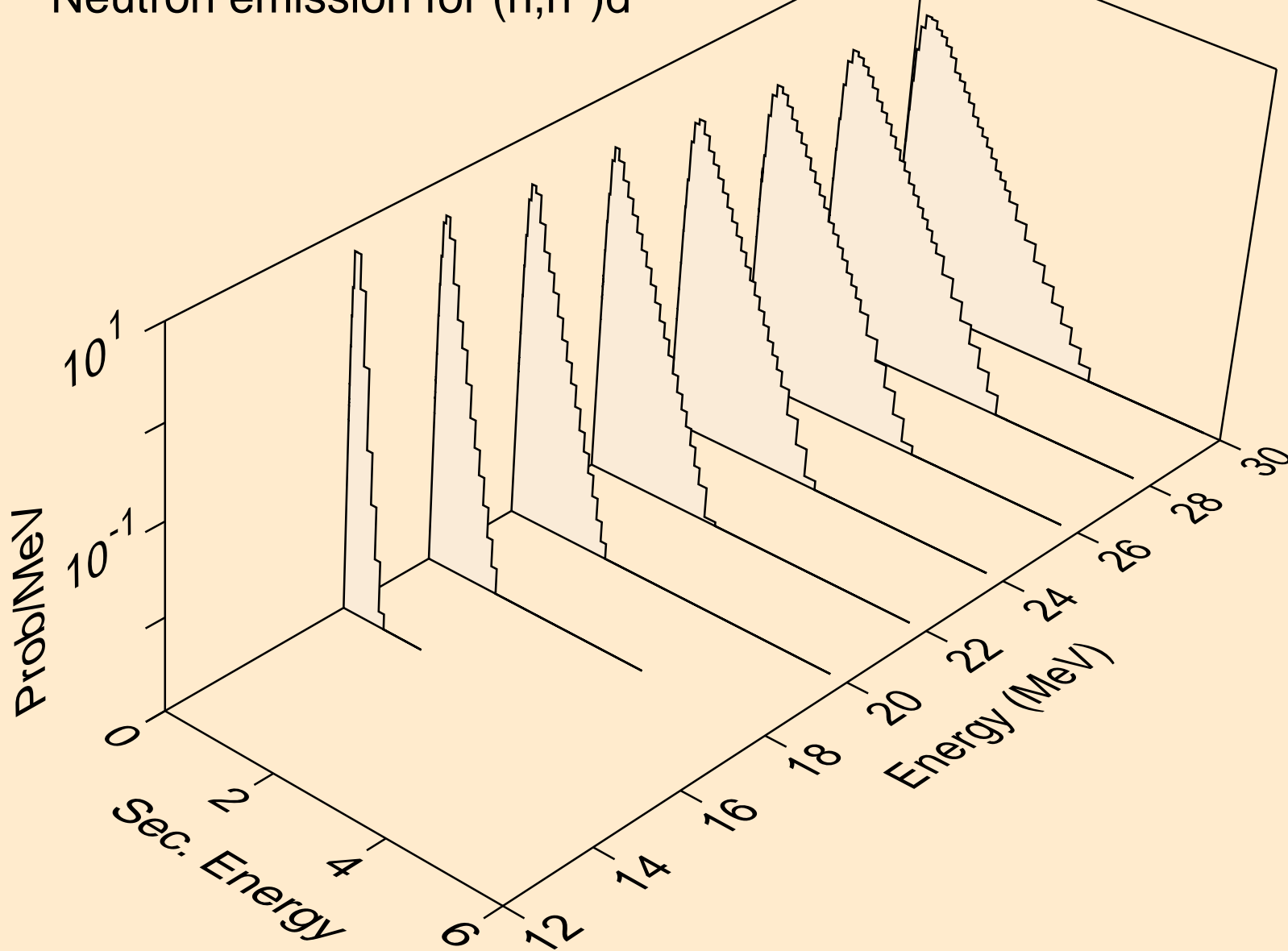
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



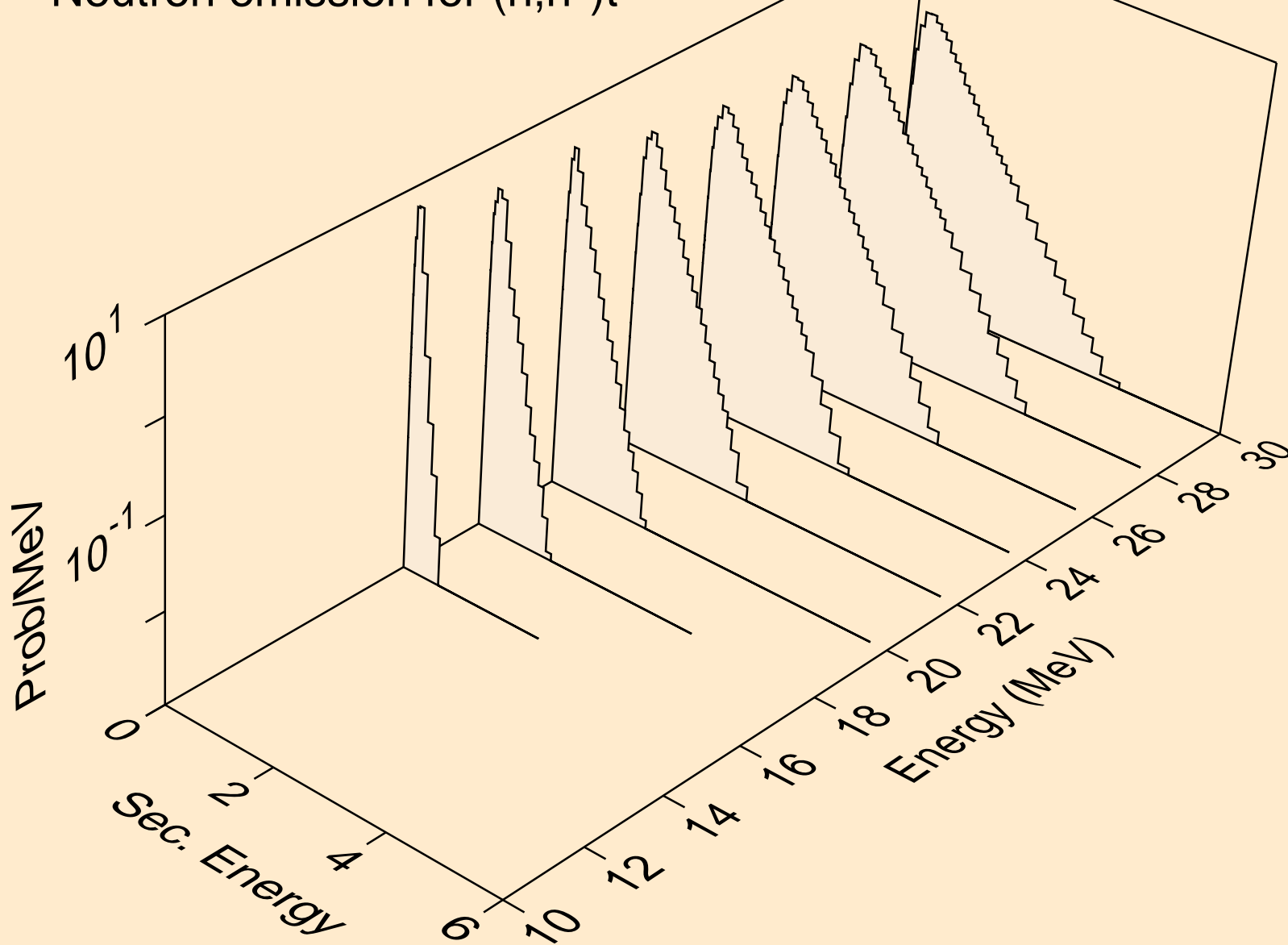
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



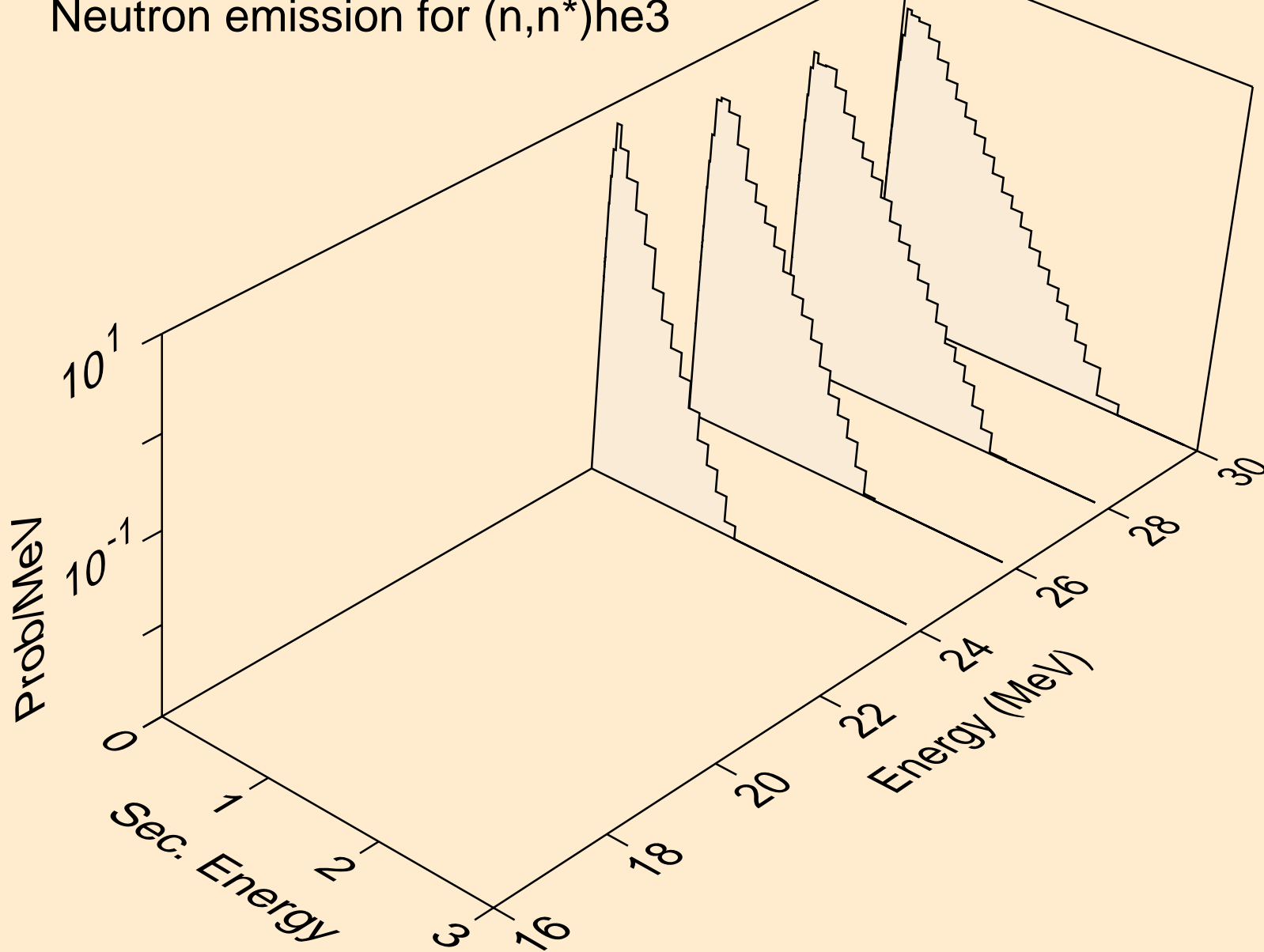
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



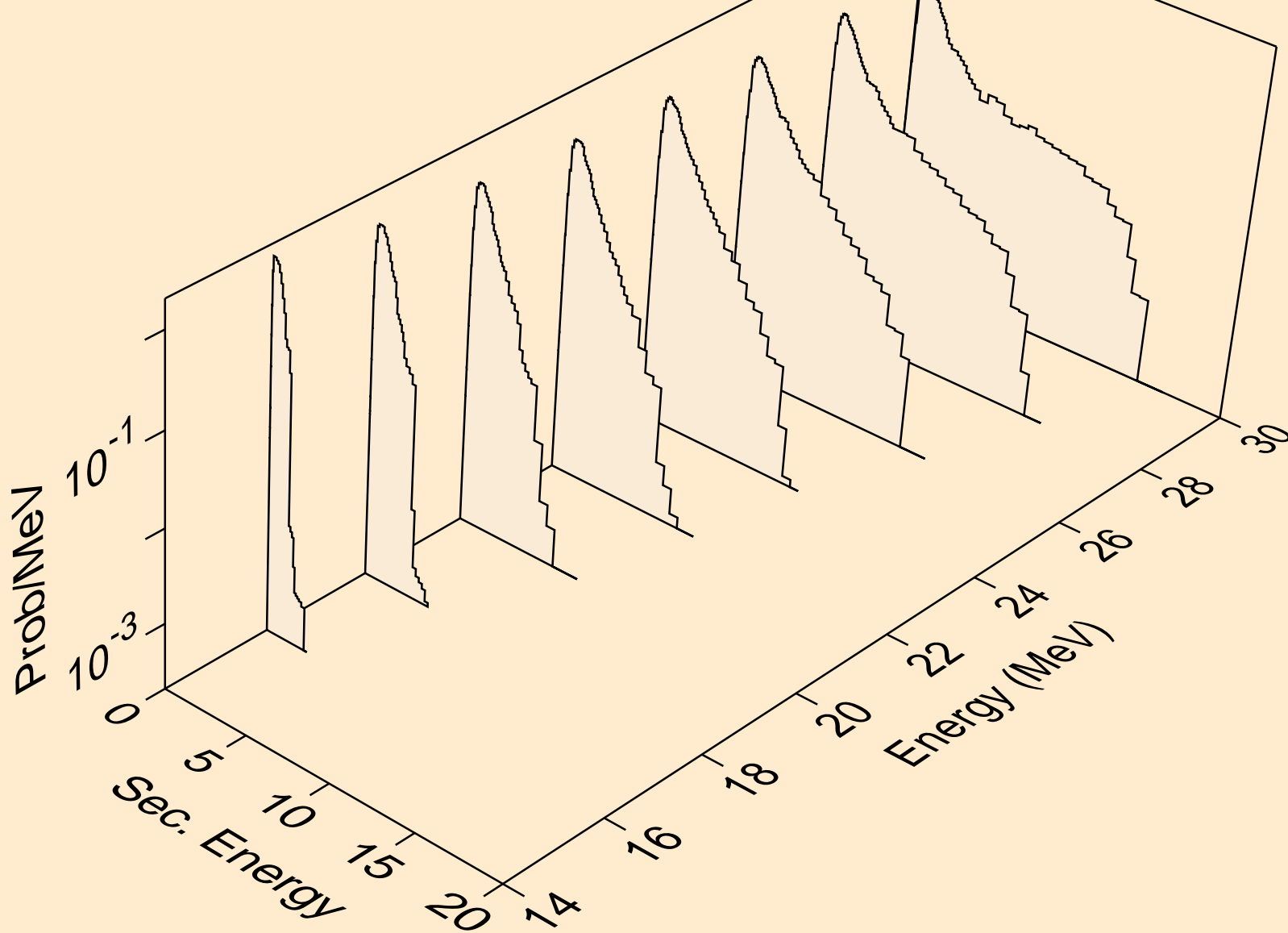
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



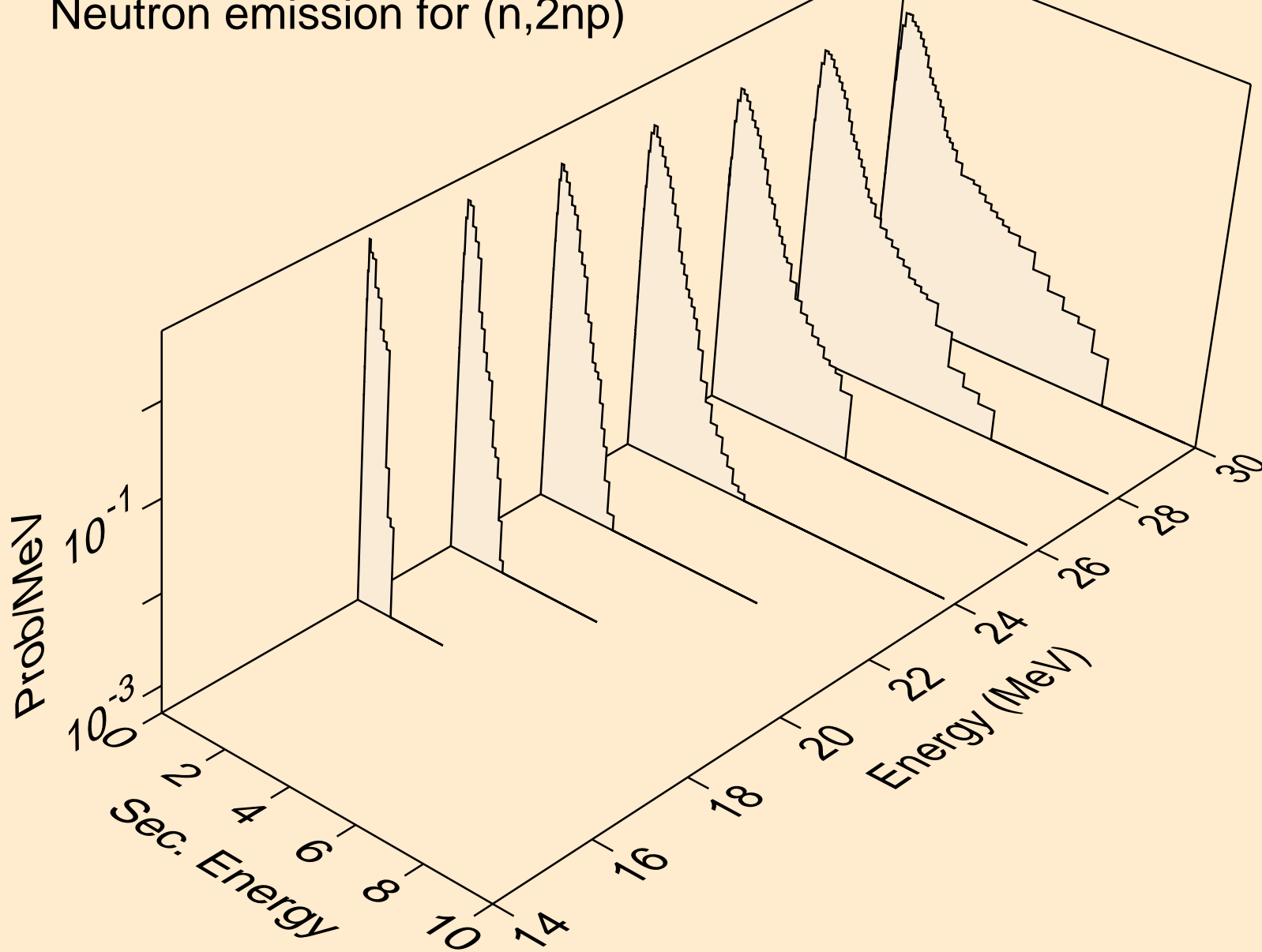
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



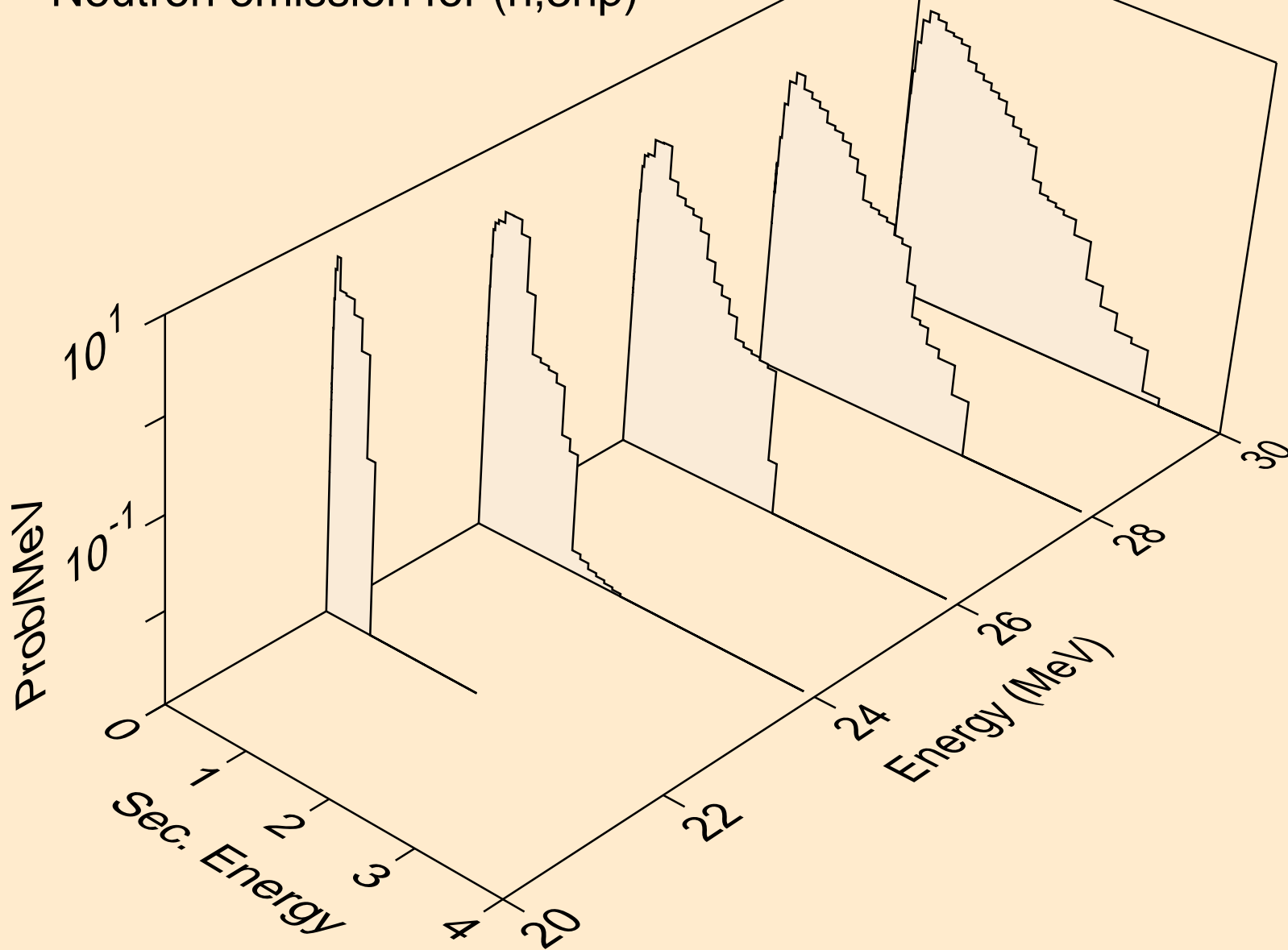
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



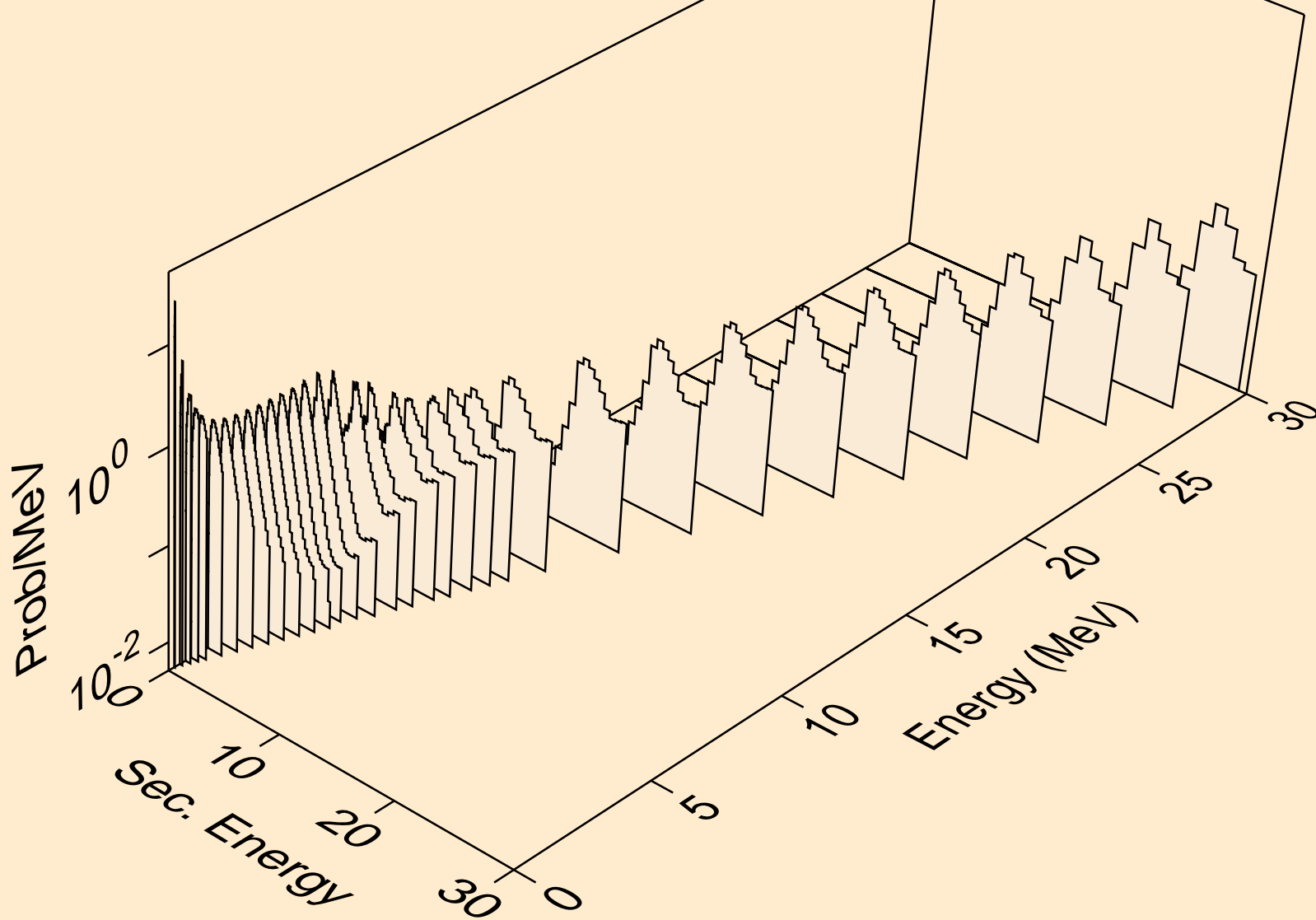
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



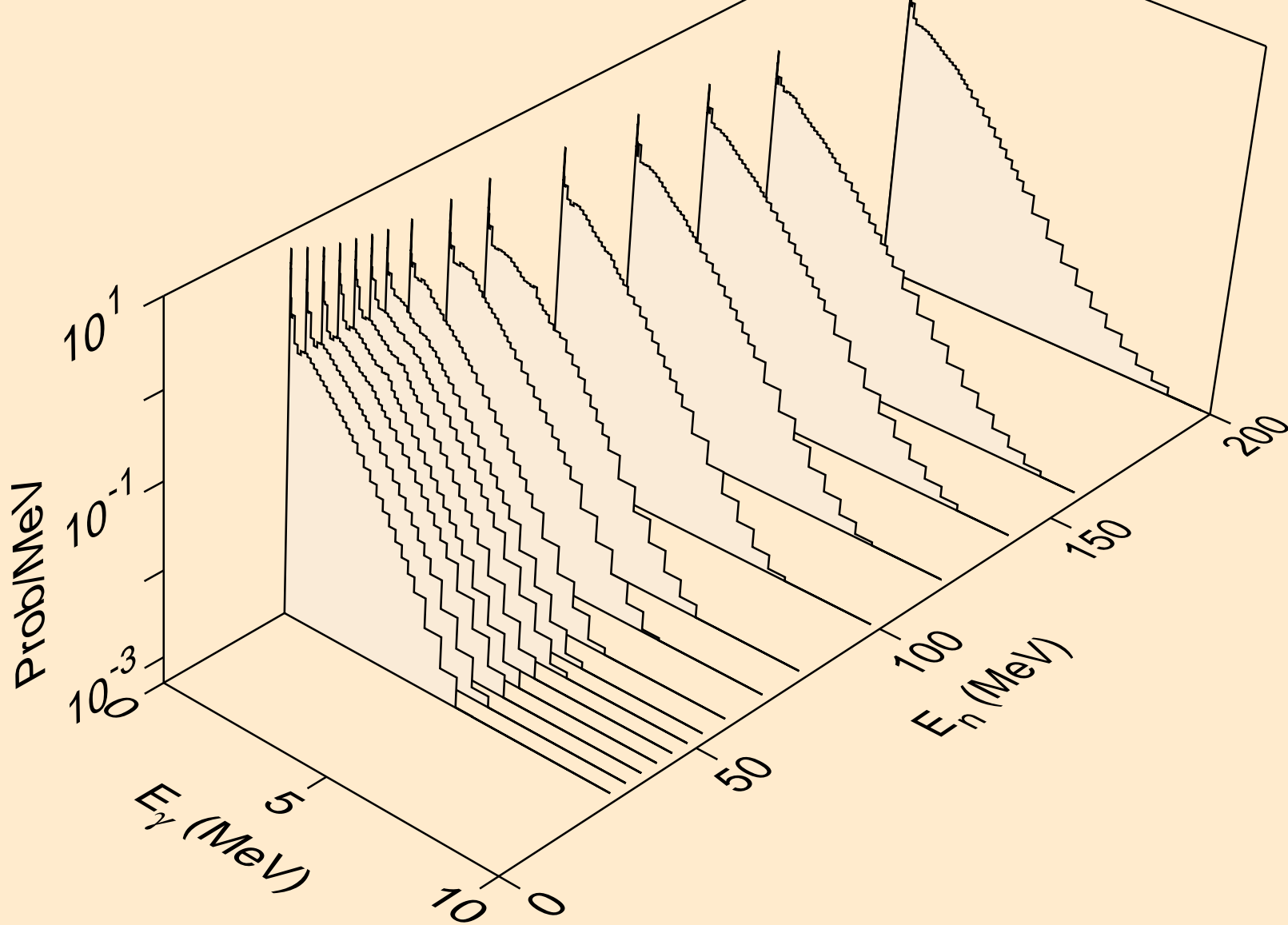
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



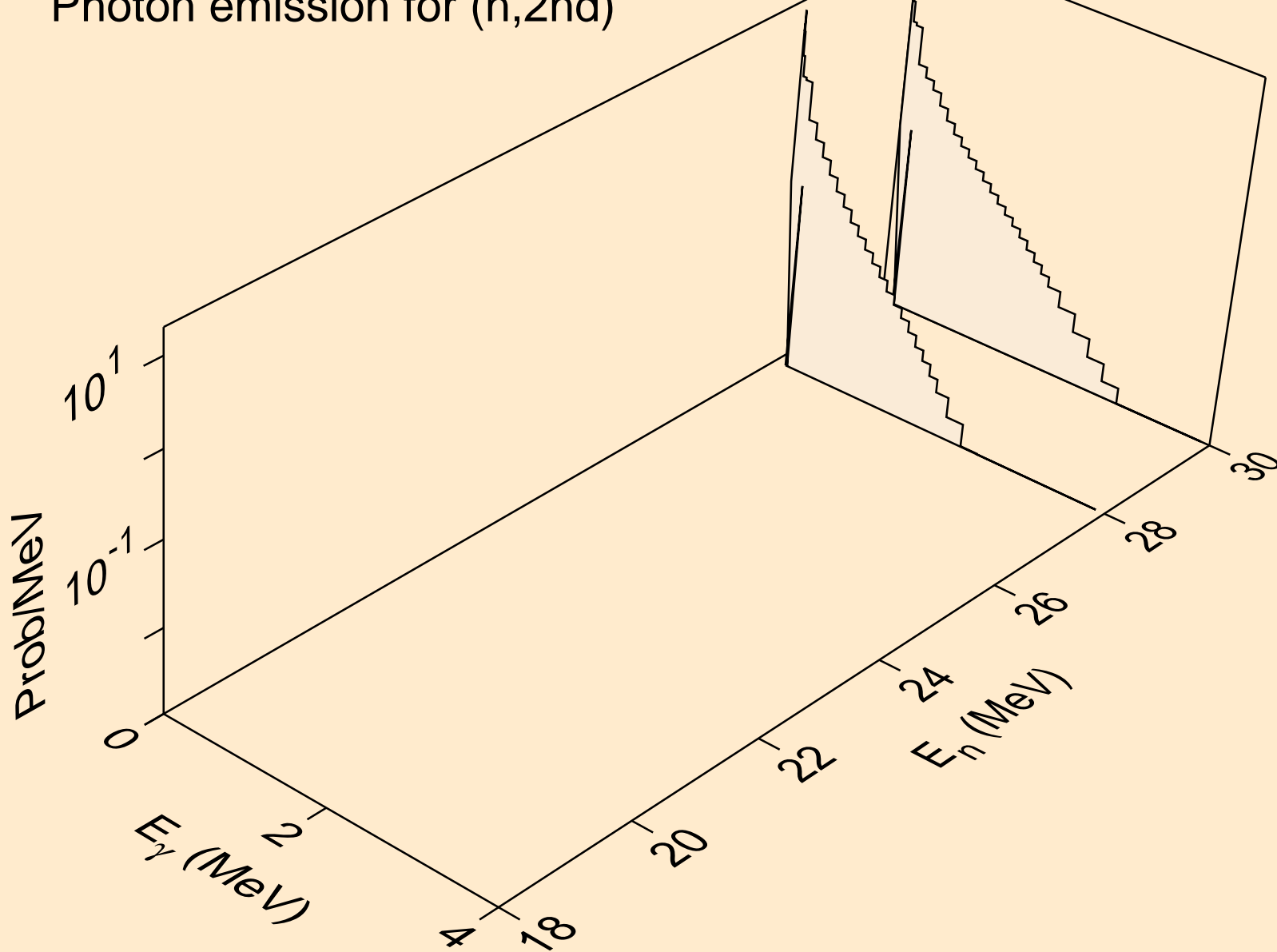
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



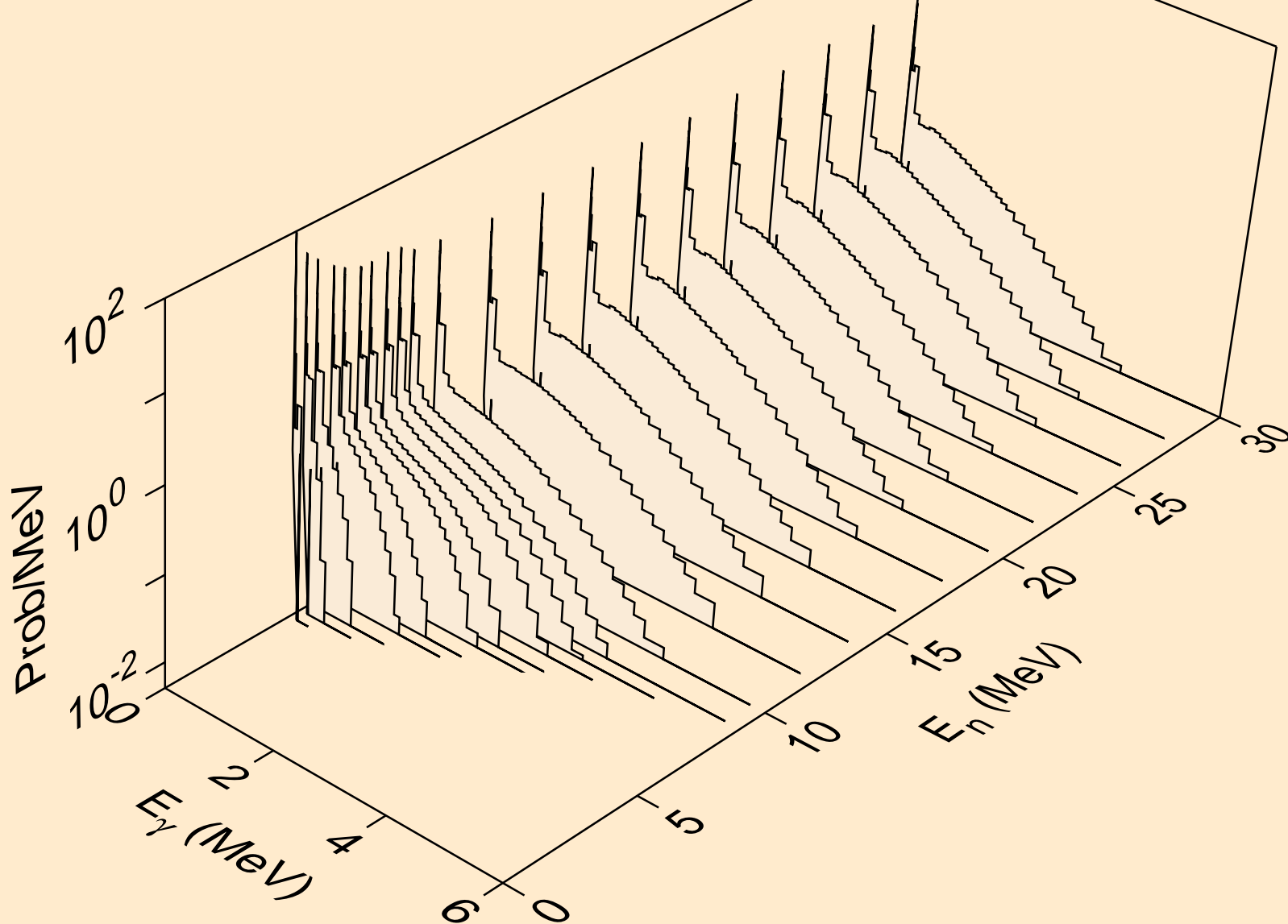
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



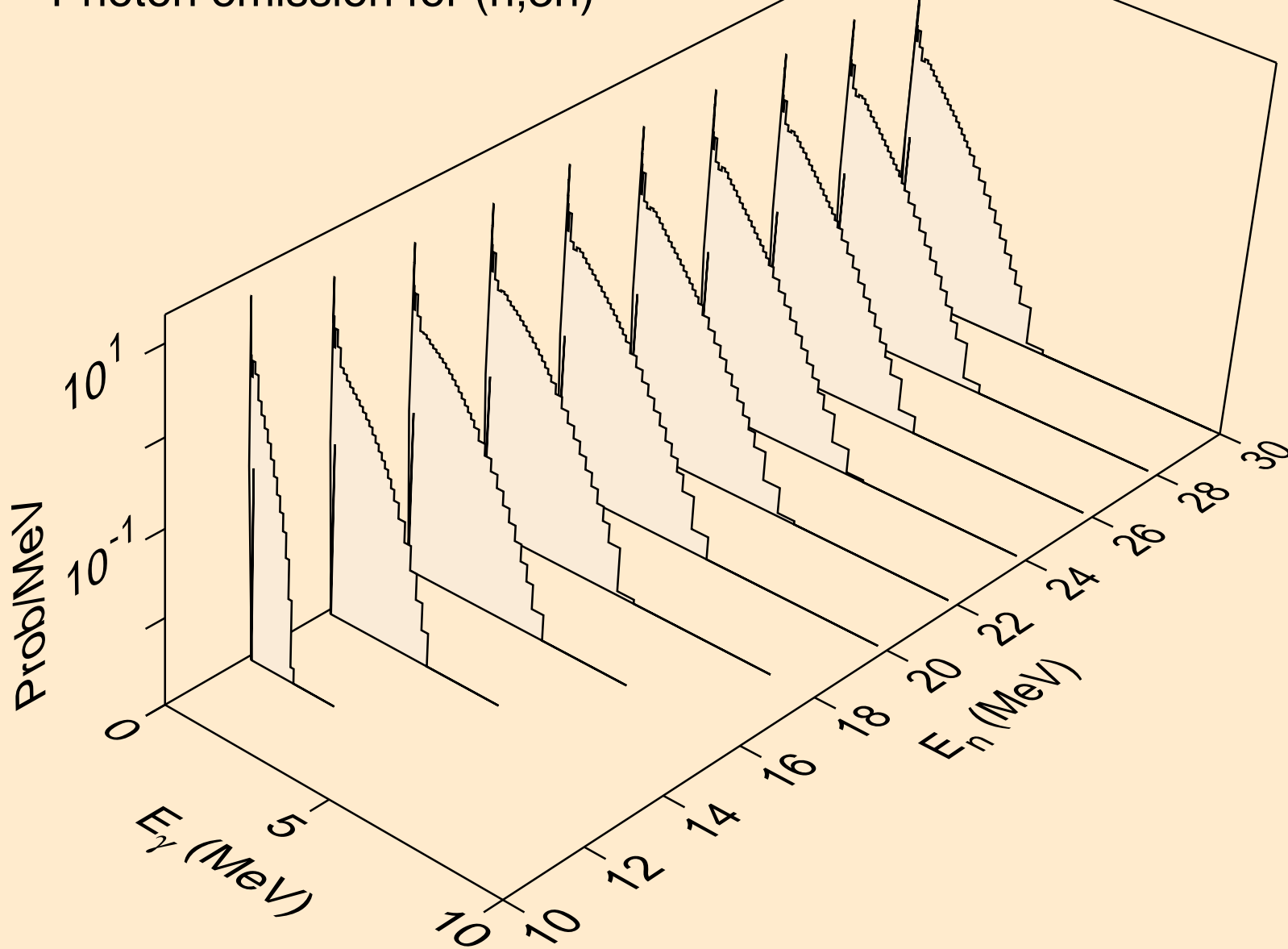
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Photon emission for (n,2nd)



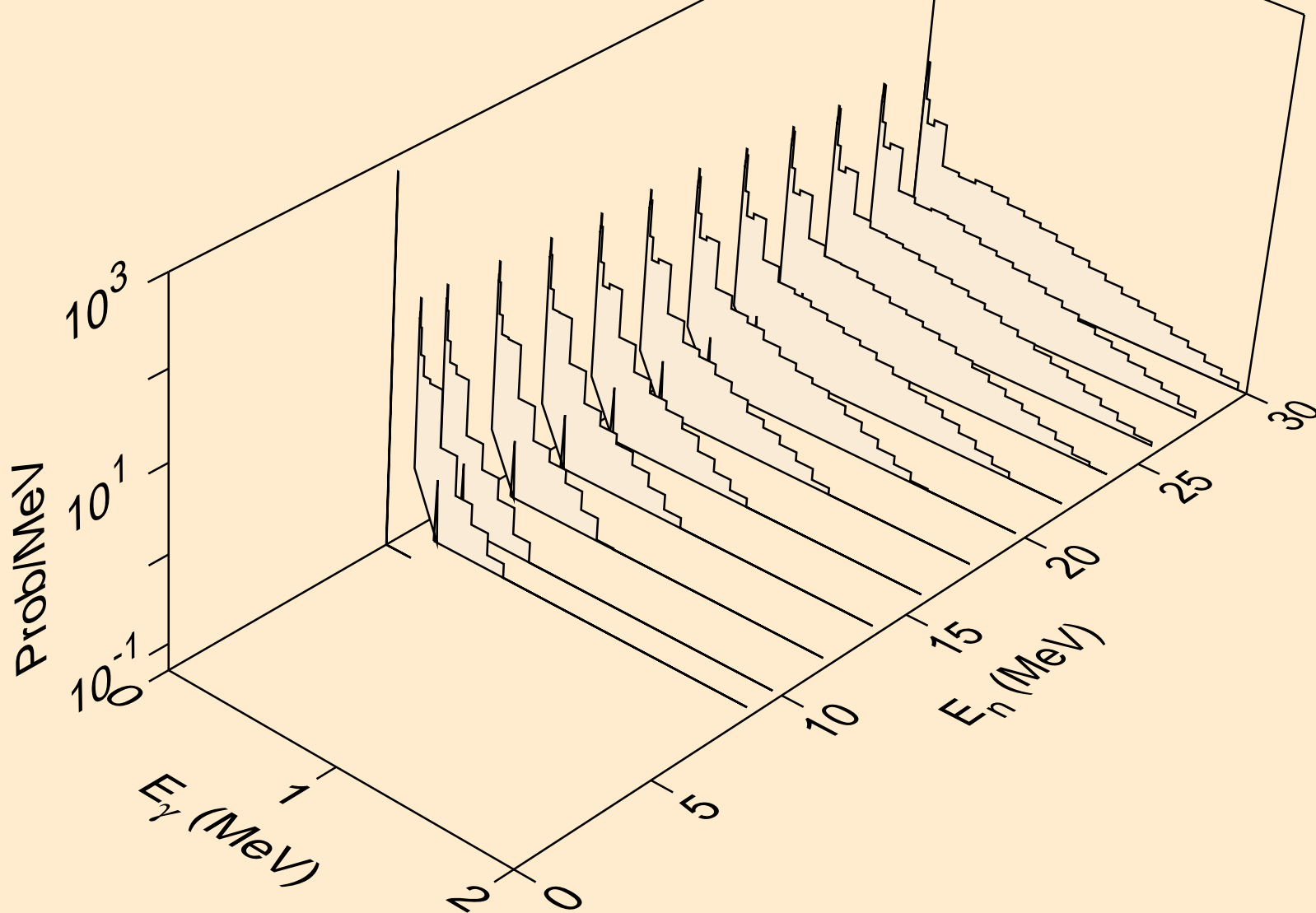
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Photon emission for (n,2n)



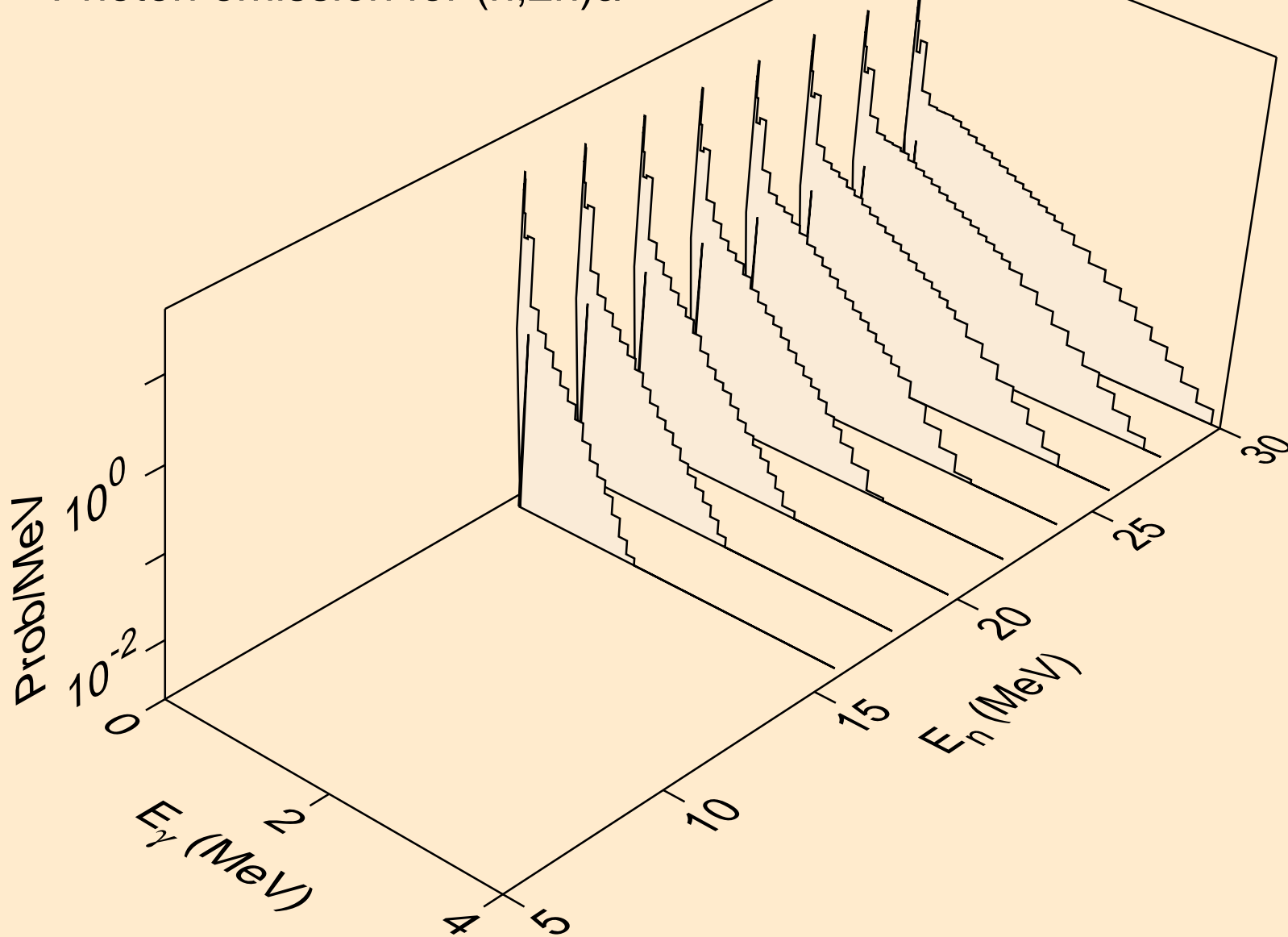
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



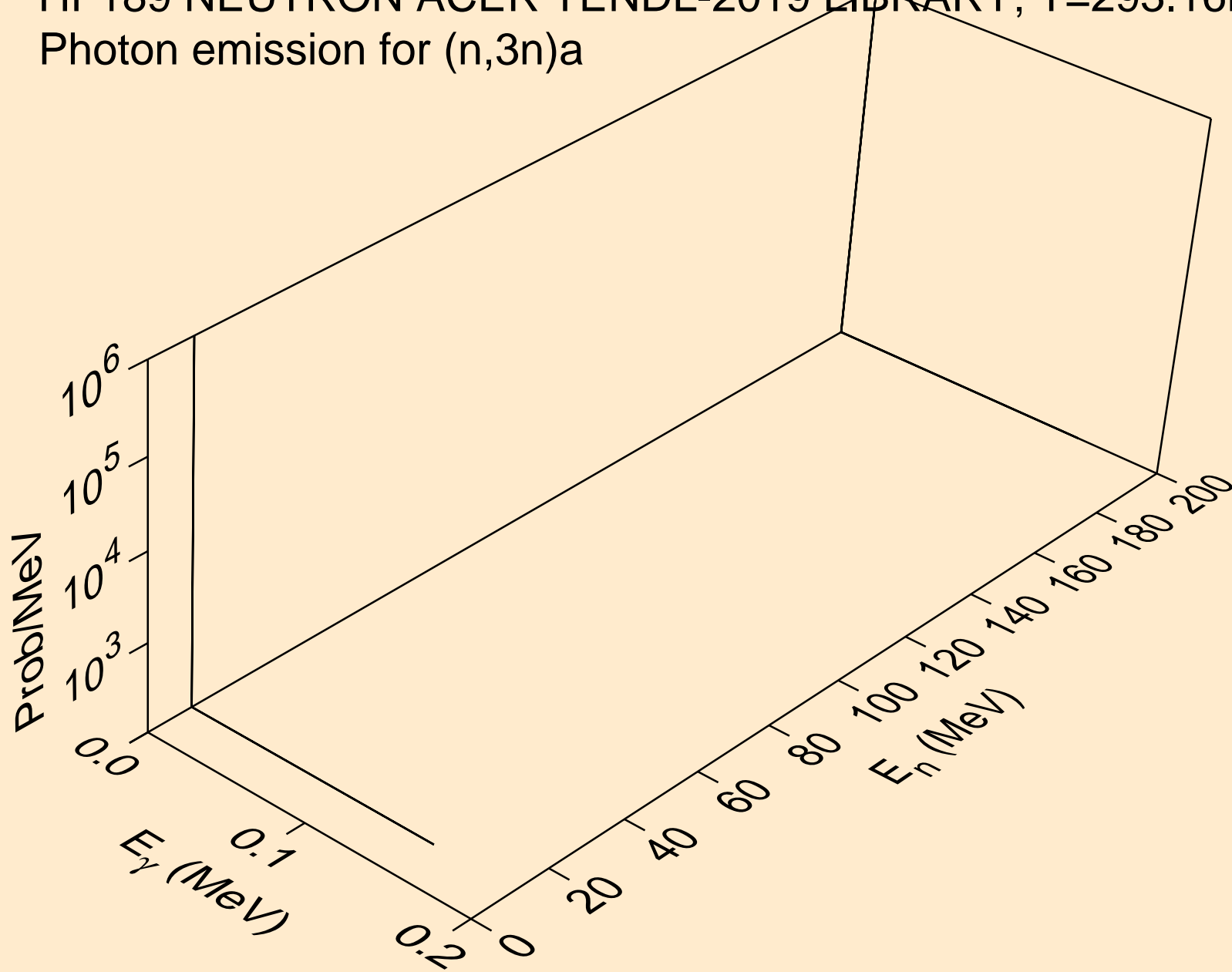
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



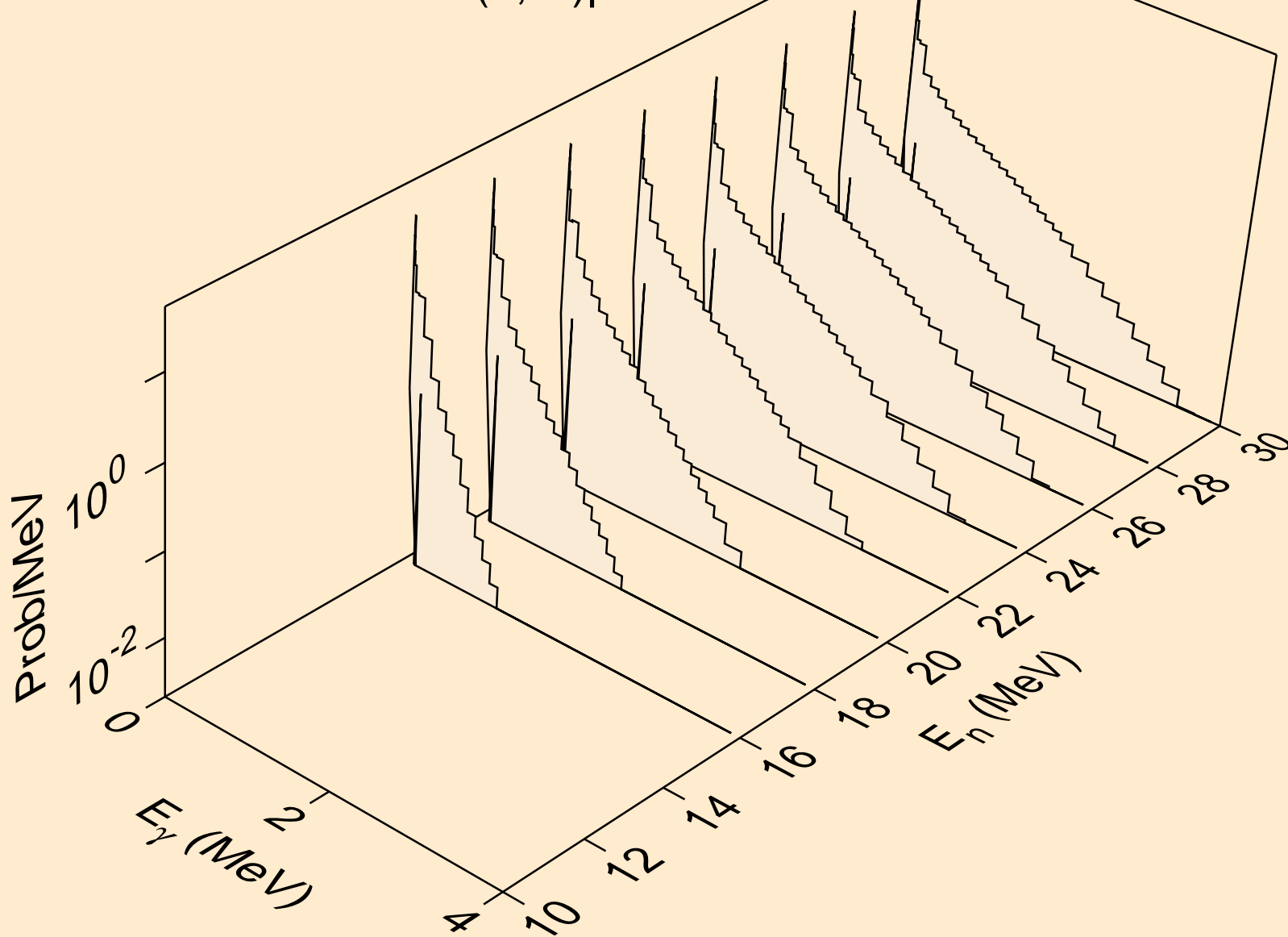
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



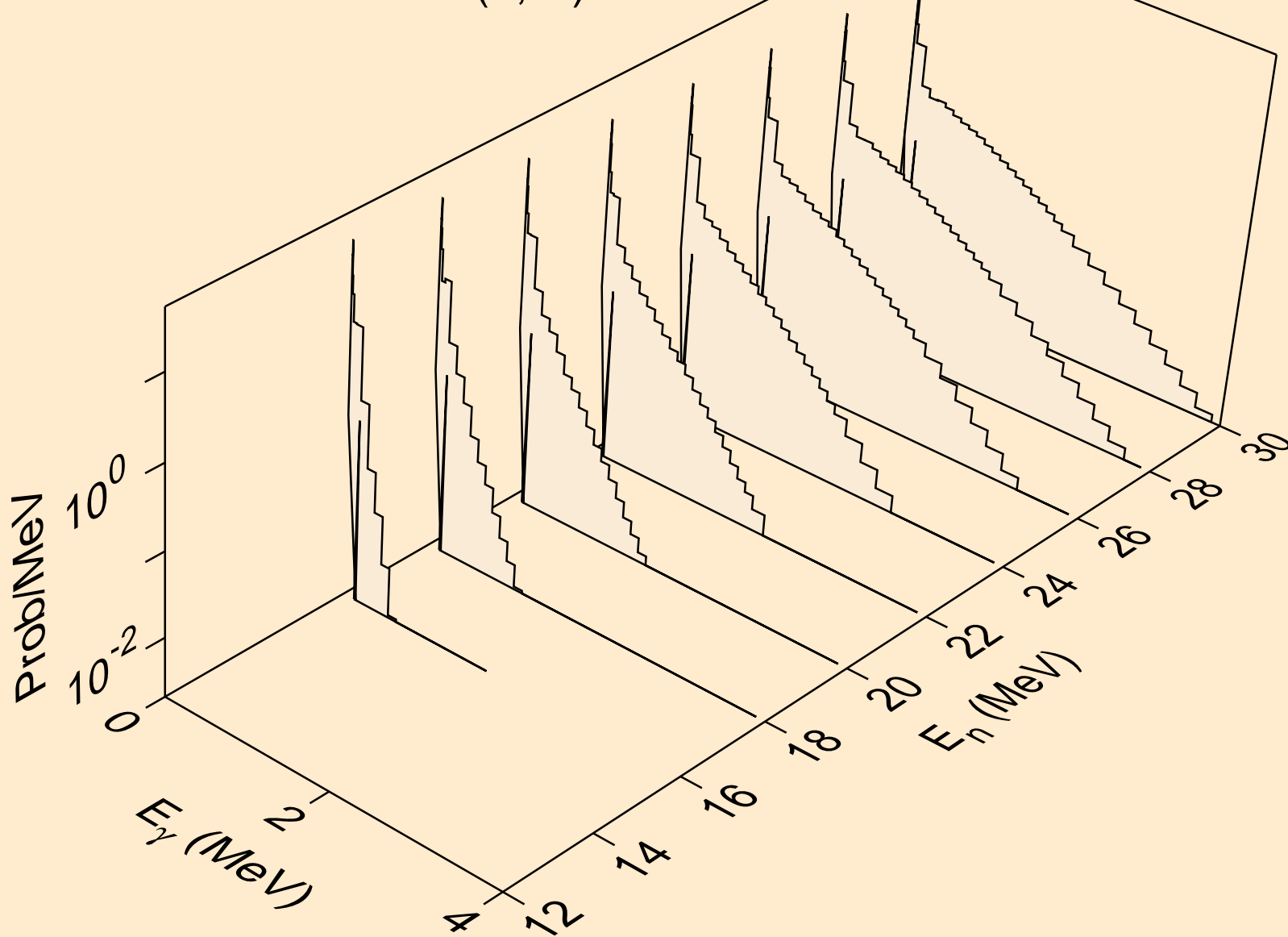
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



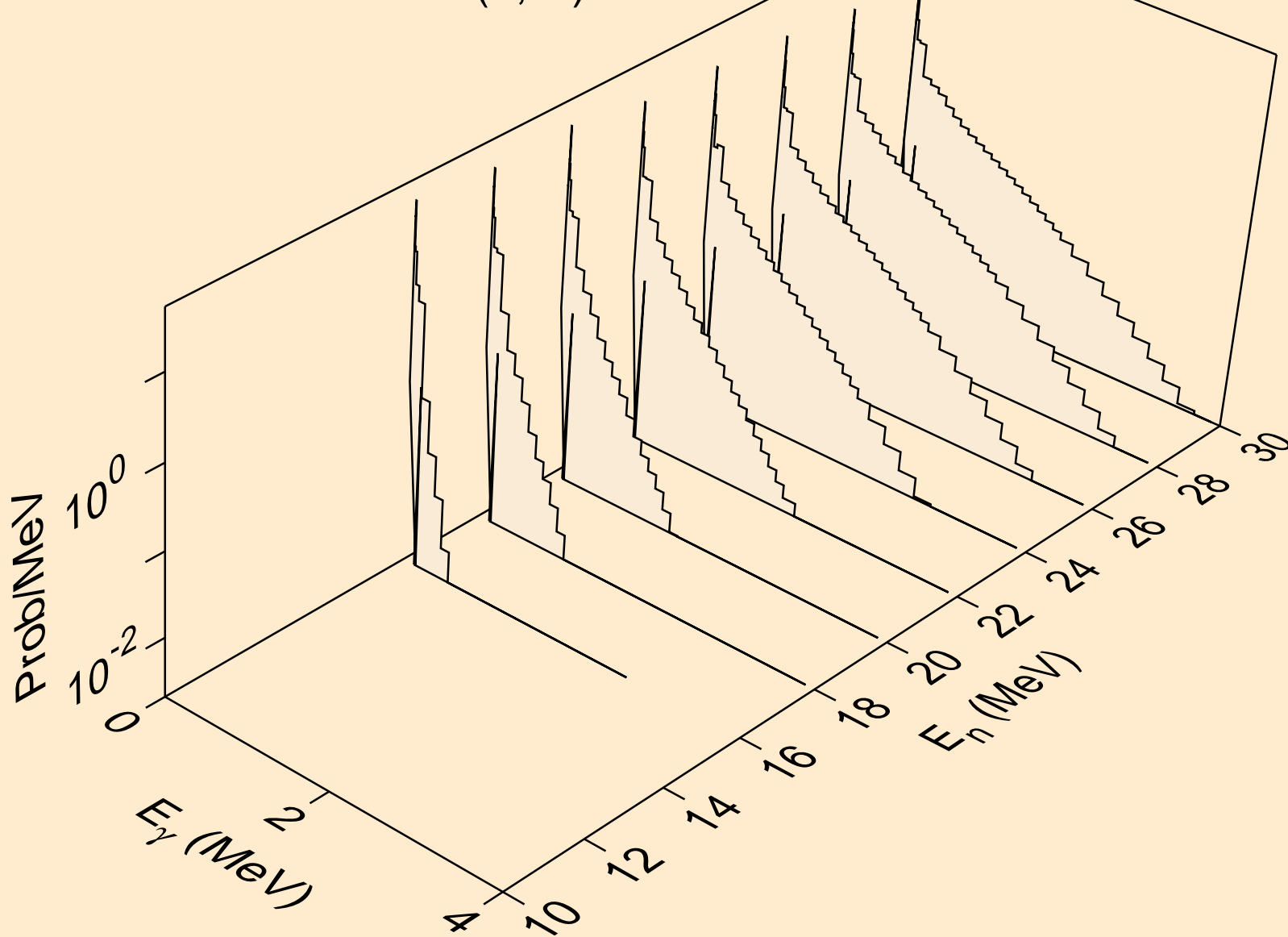
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



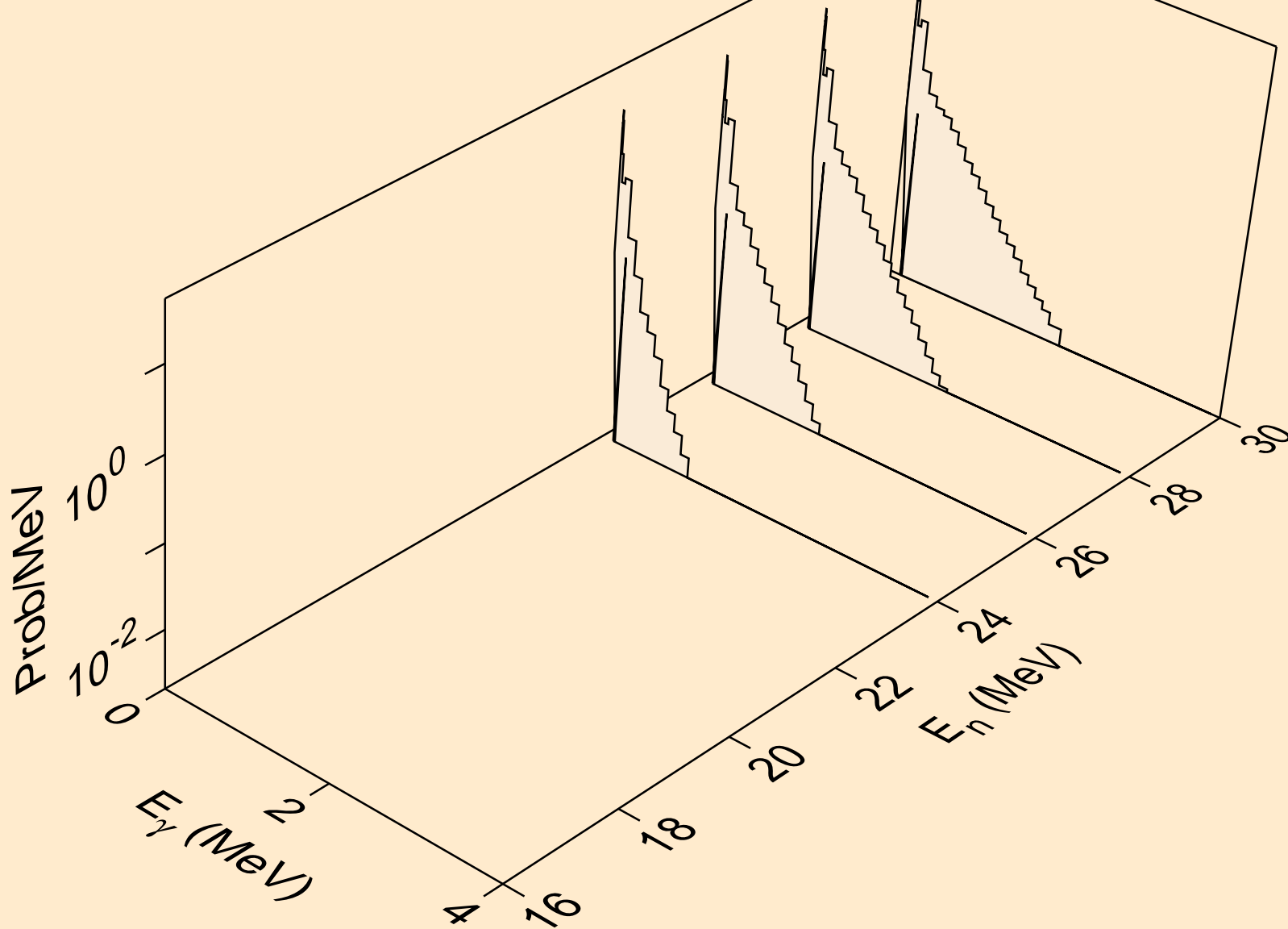
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



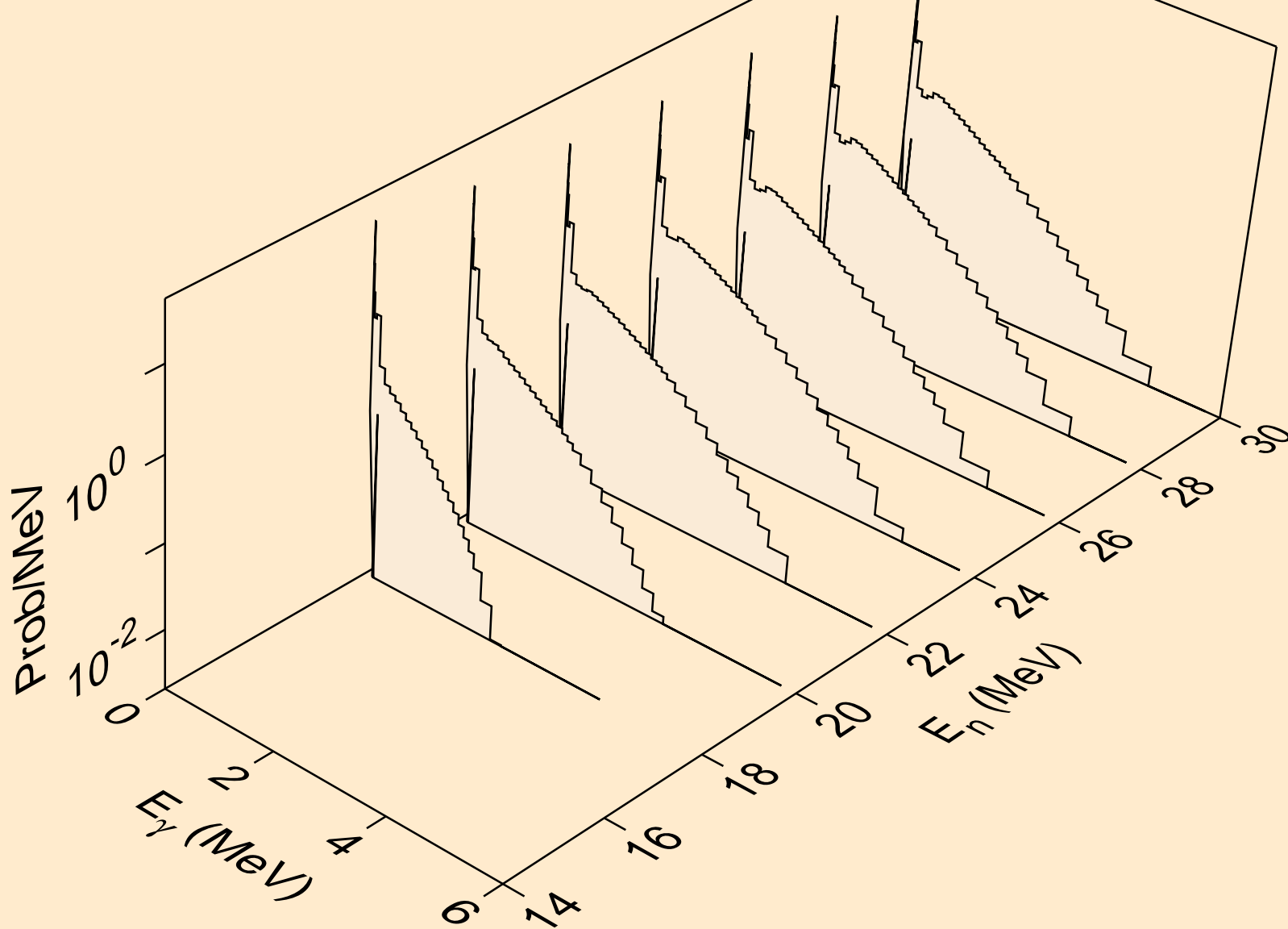
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



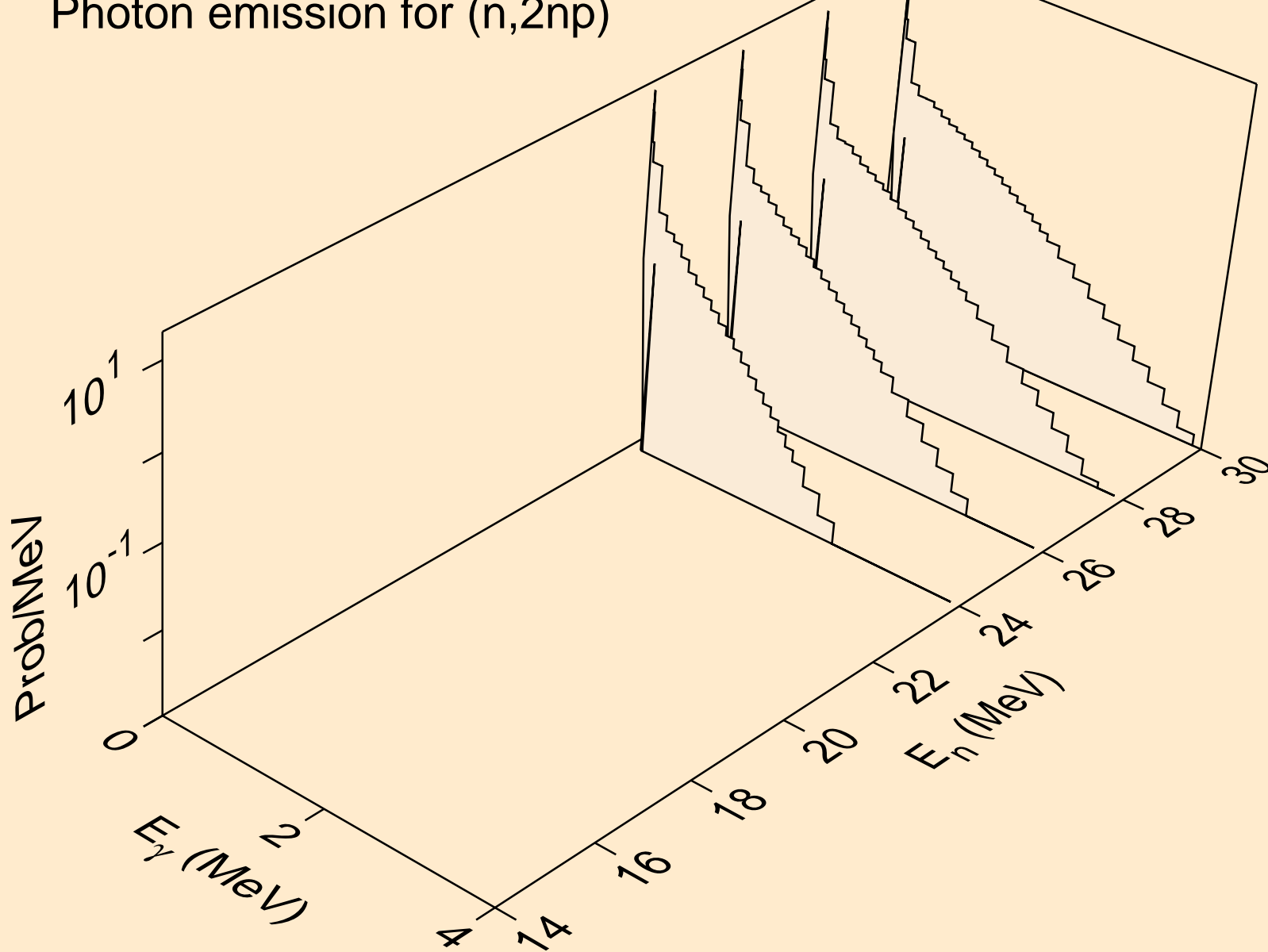
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



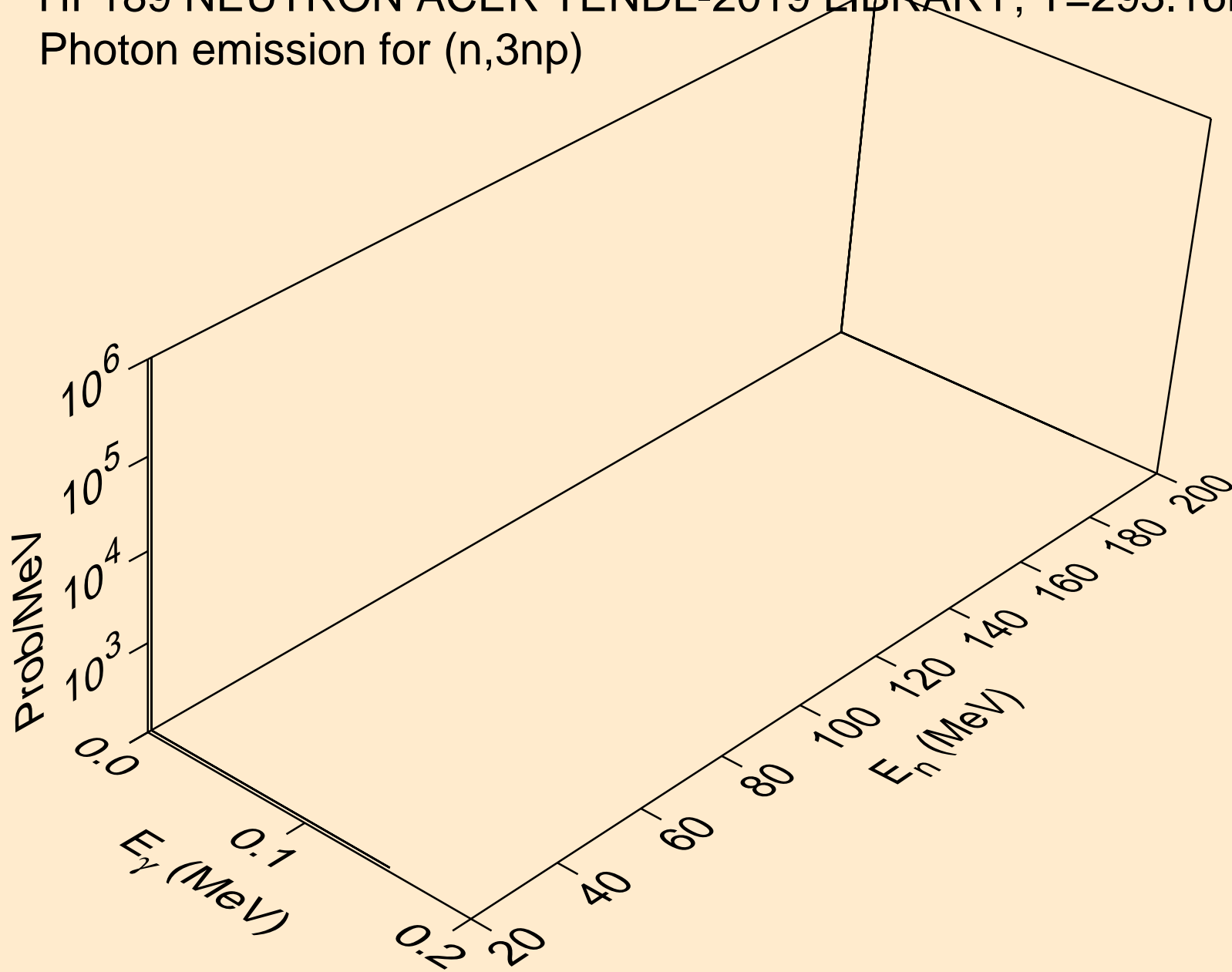
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



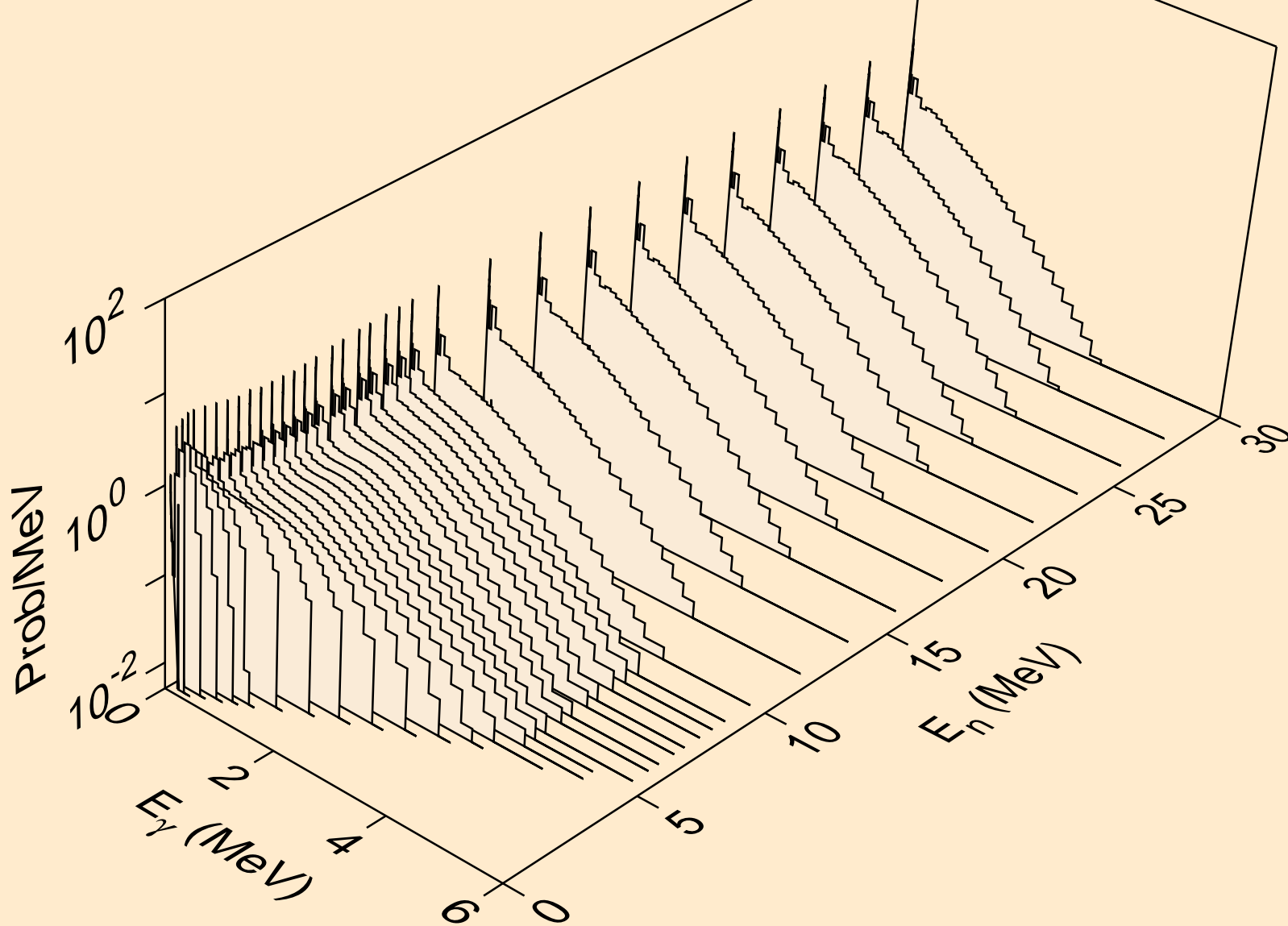
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Photon emission for (n,2np)



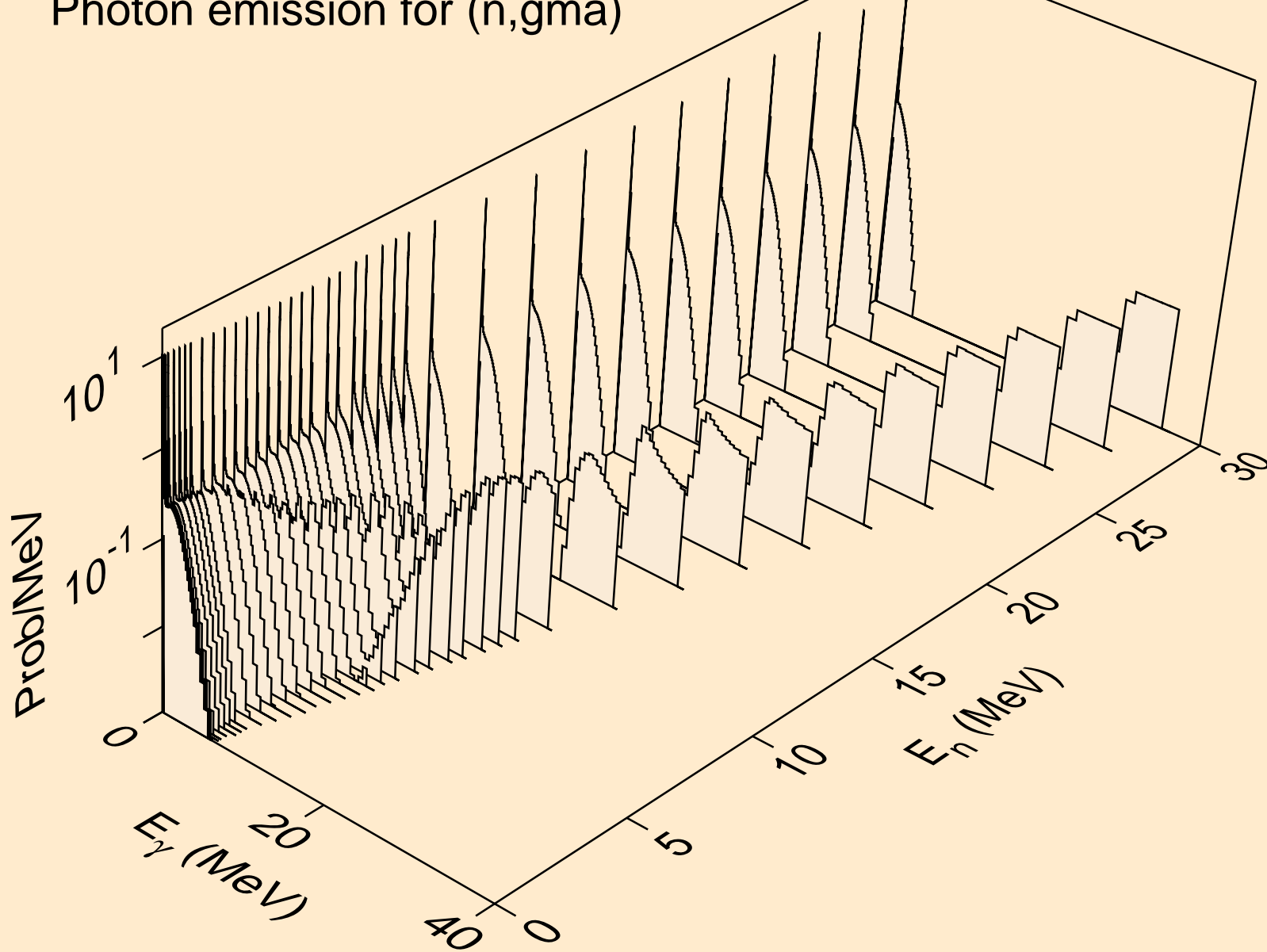
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Photon emission for (n,3np)



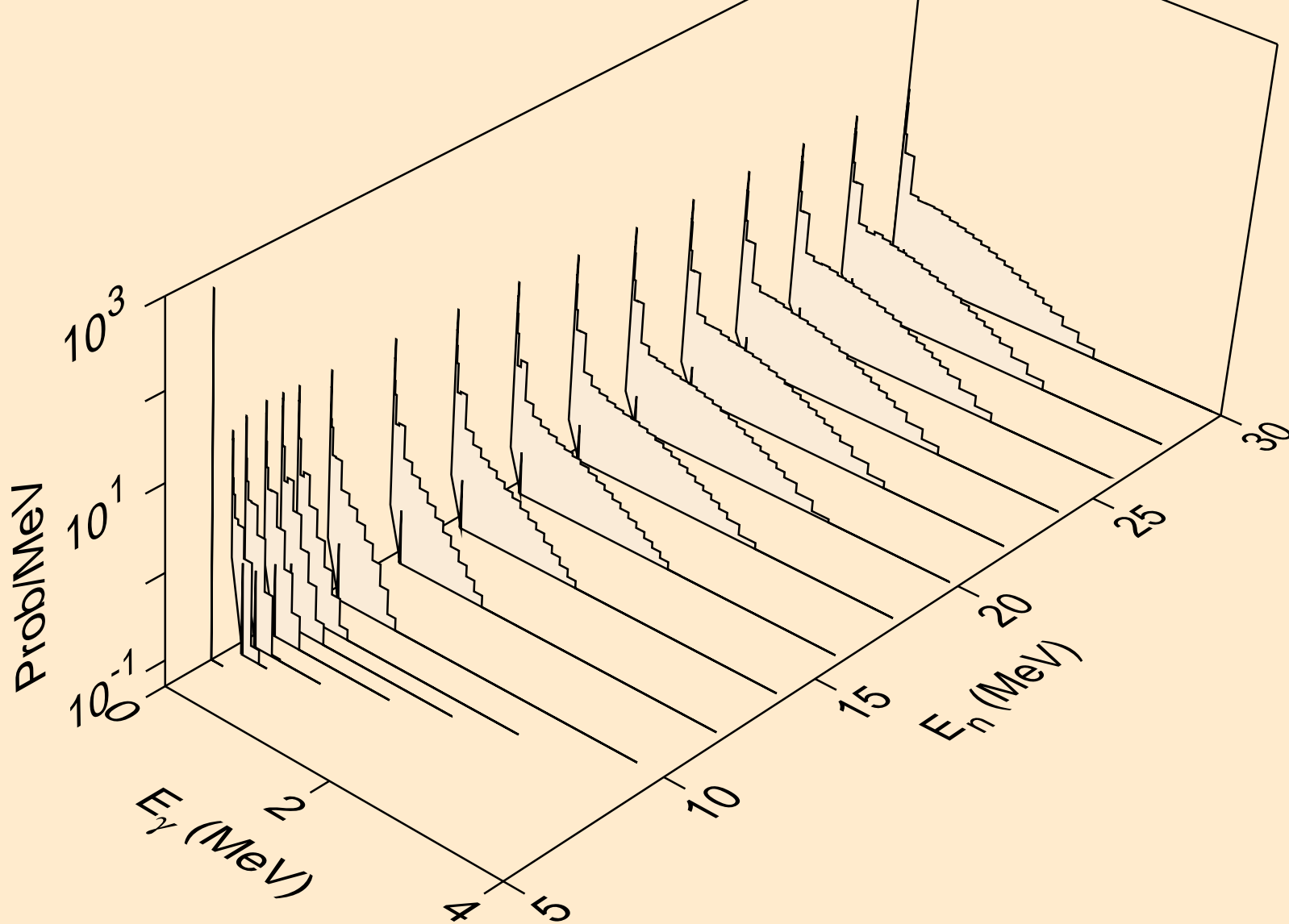
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Photon emission for (n,n*c)



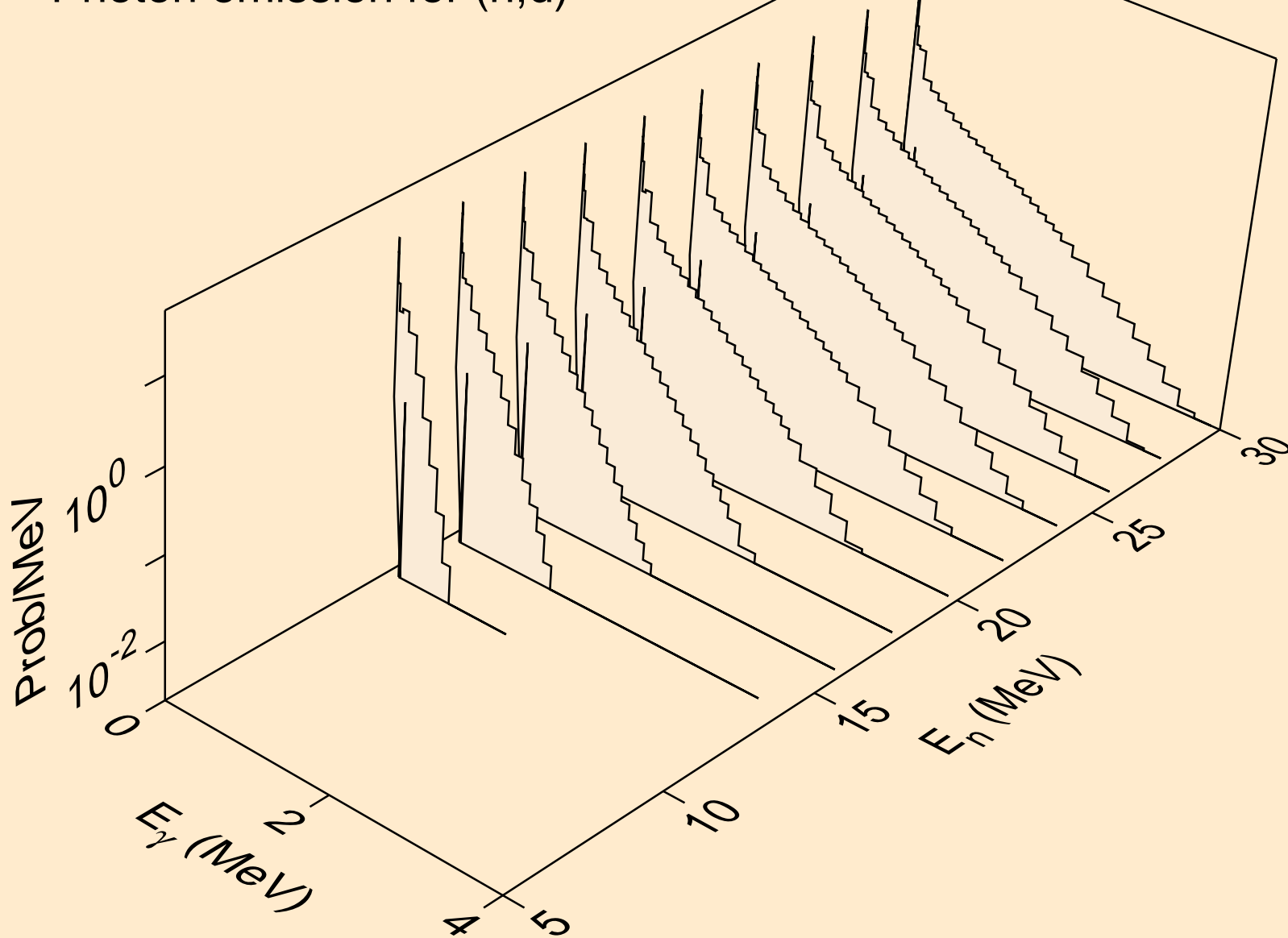
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



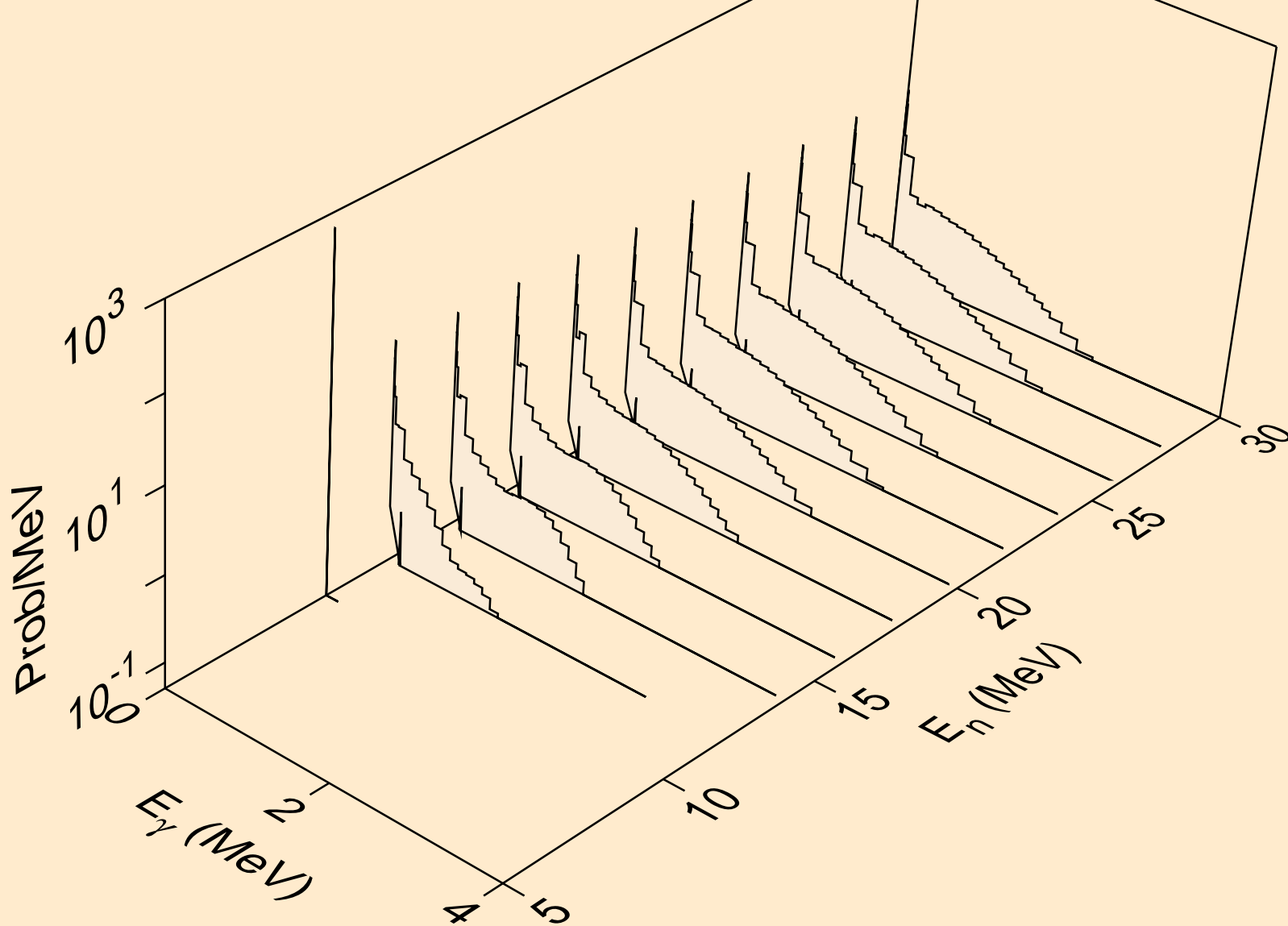
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Photon emission for (n,p)



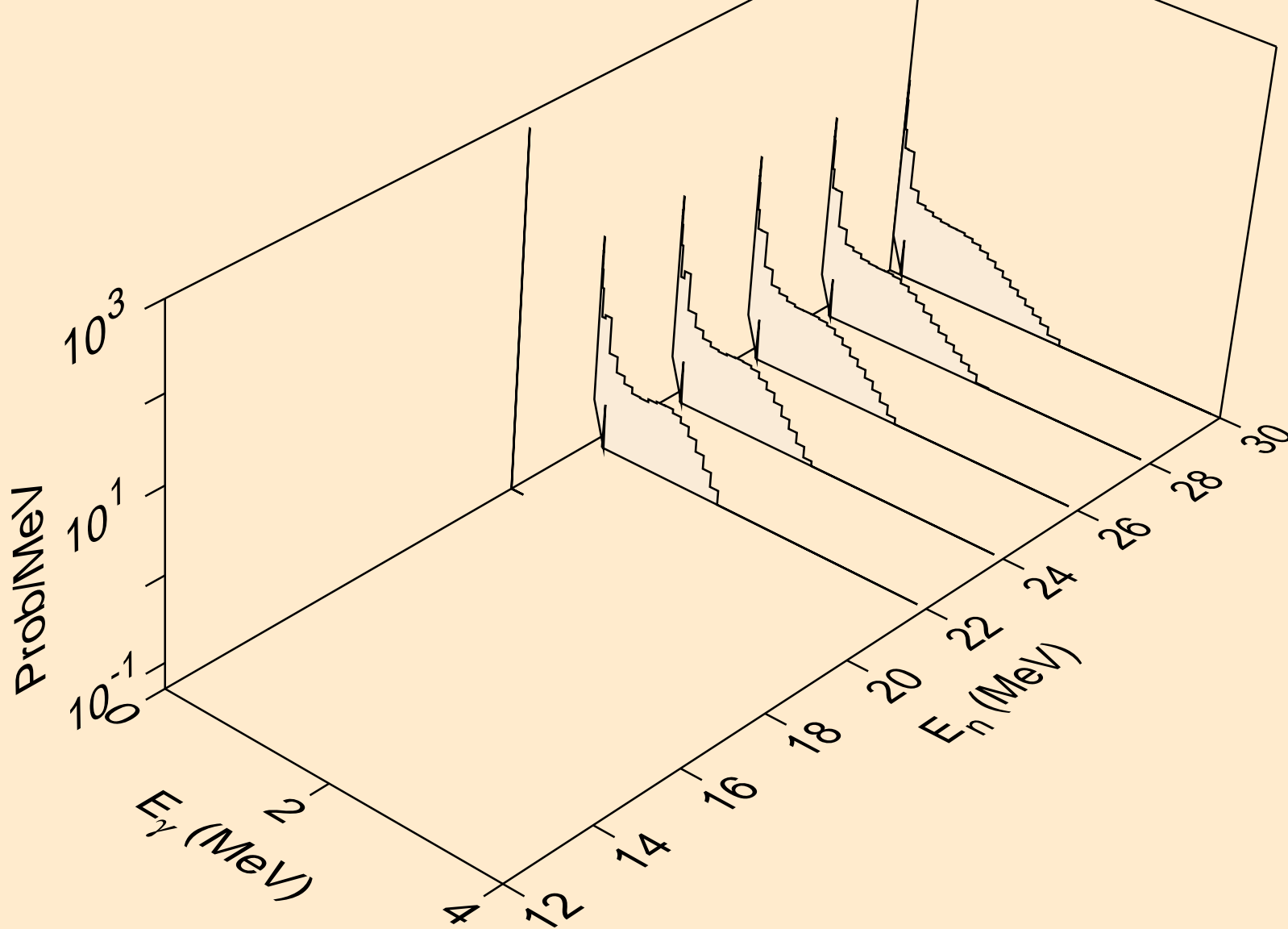
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



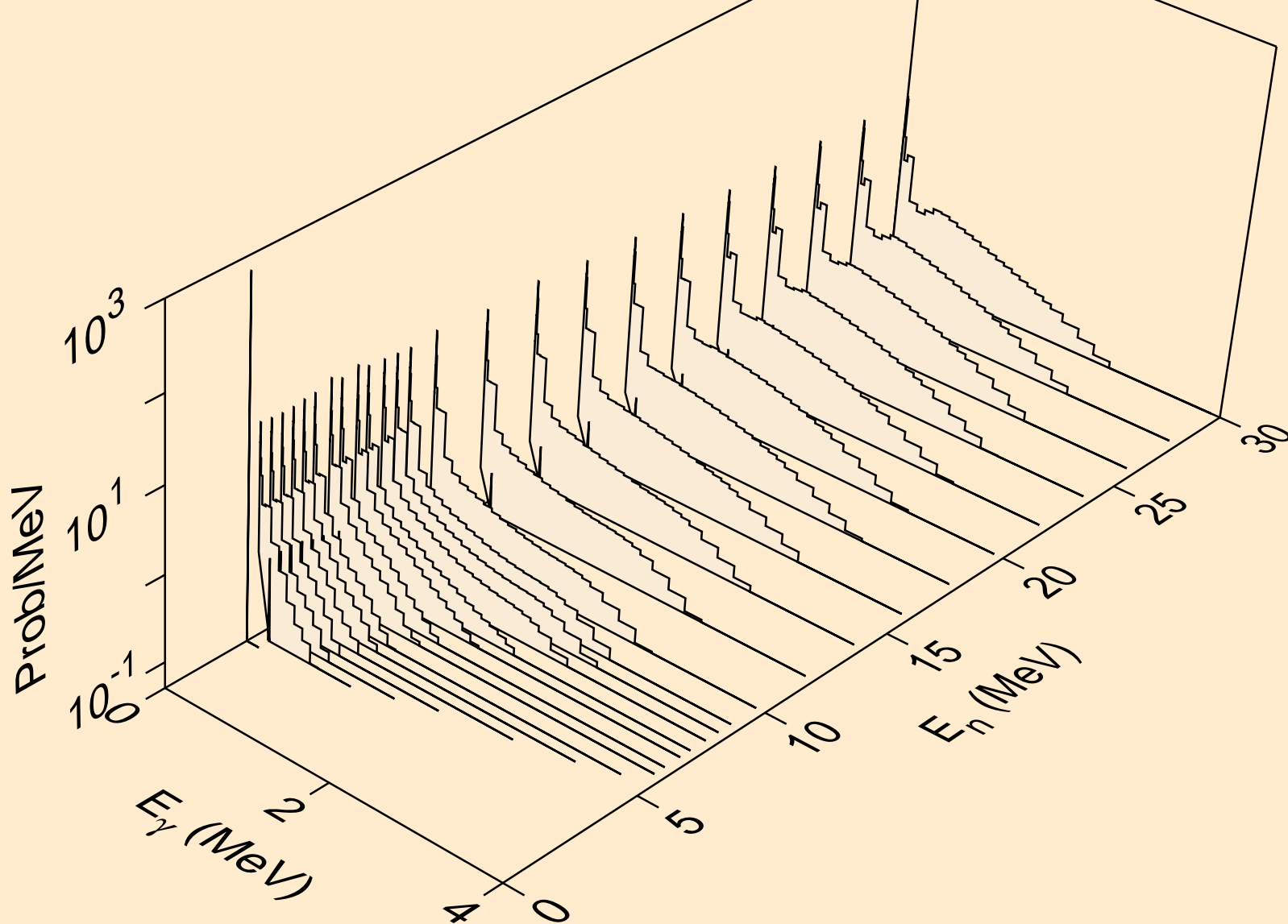
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Photon emission for (n,t)



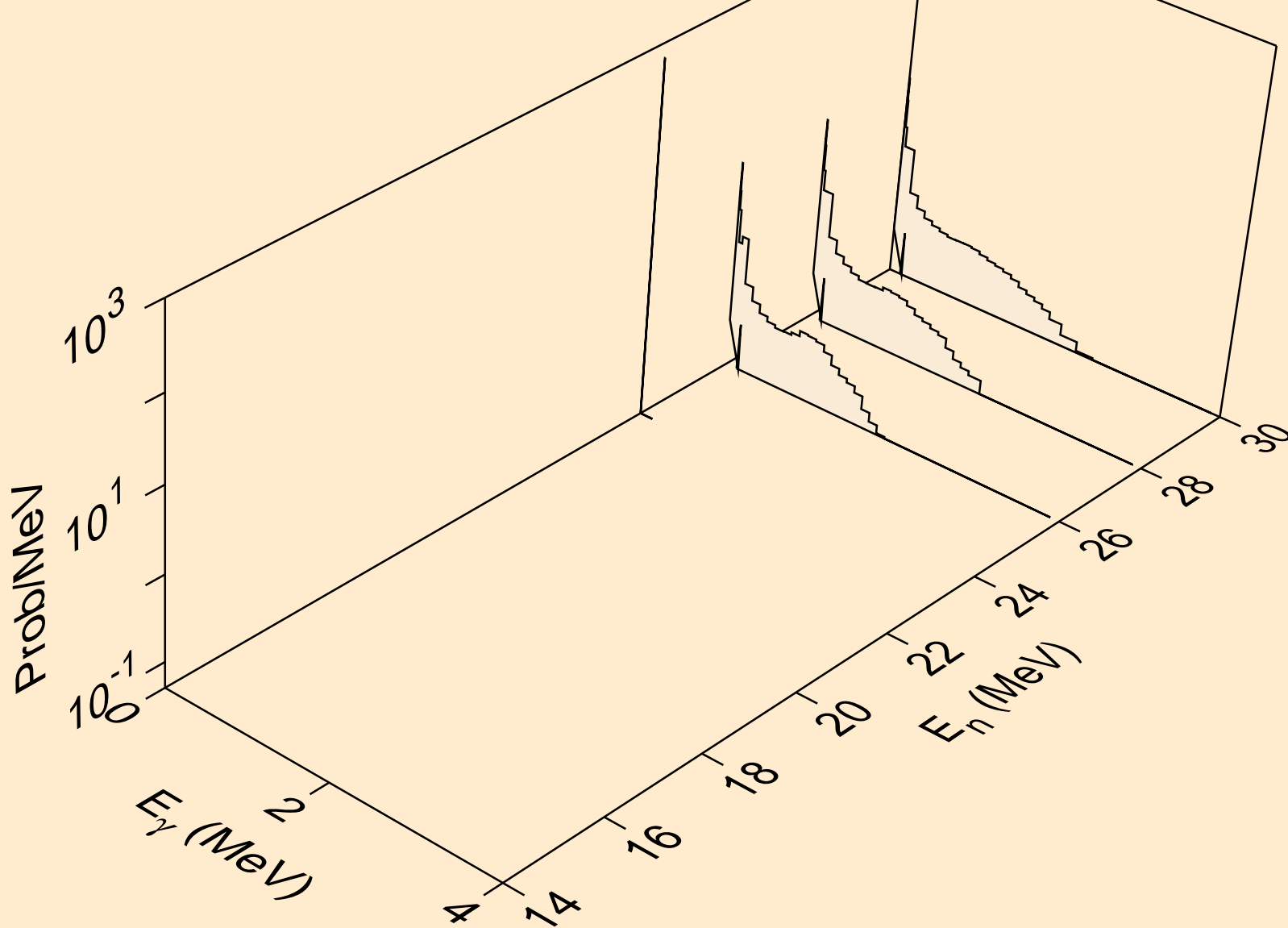
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Photon emission for (n,he3)



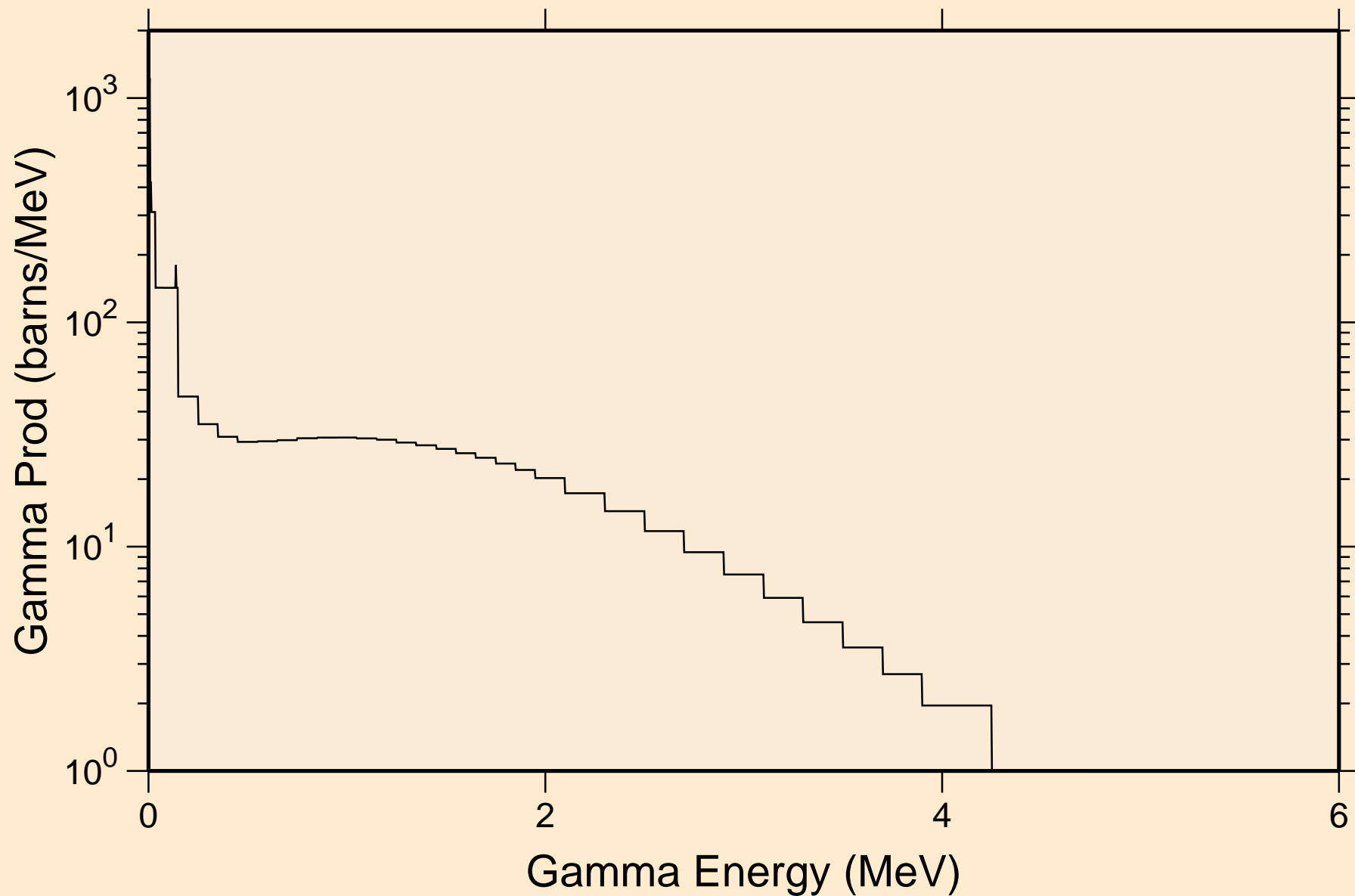
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



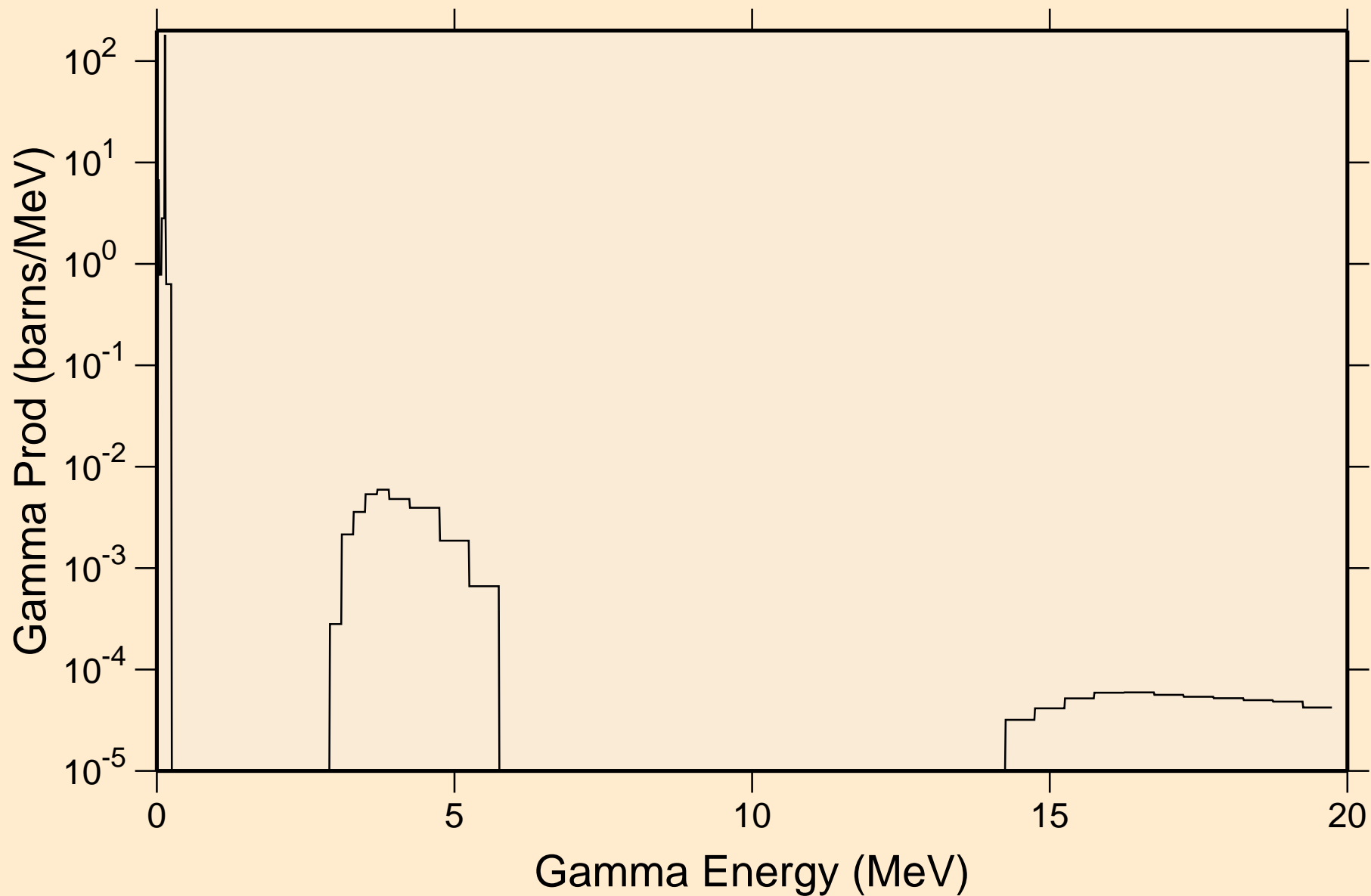
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

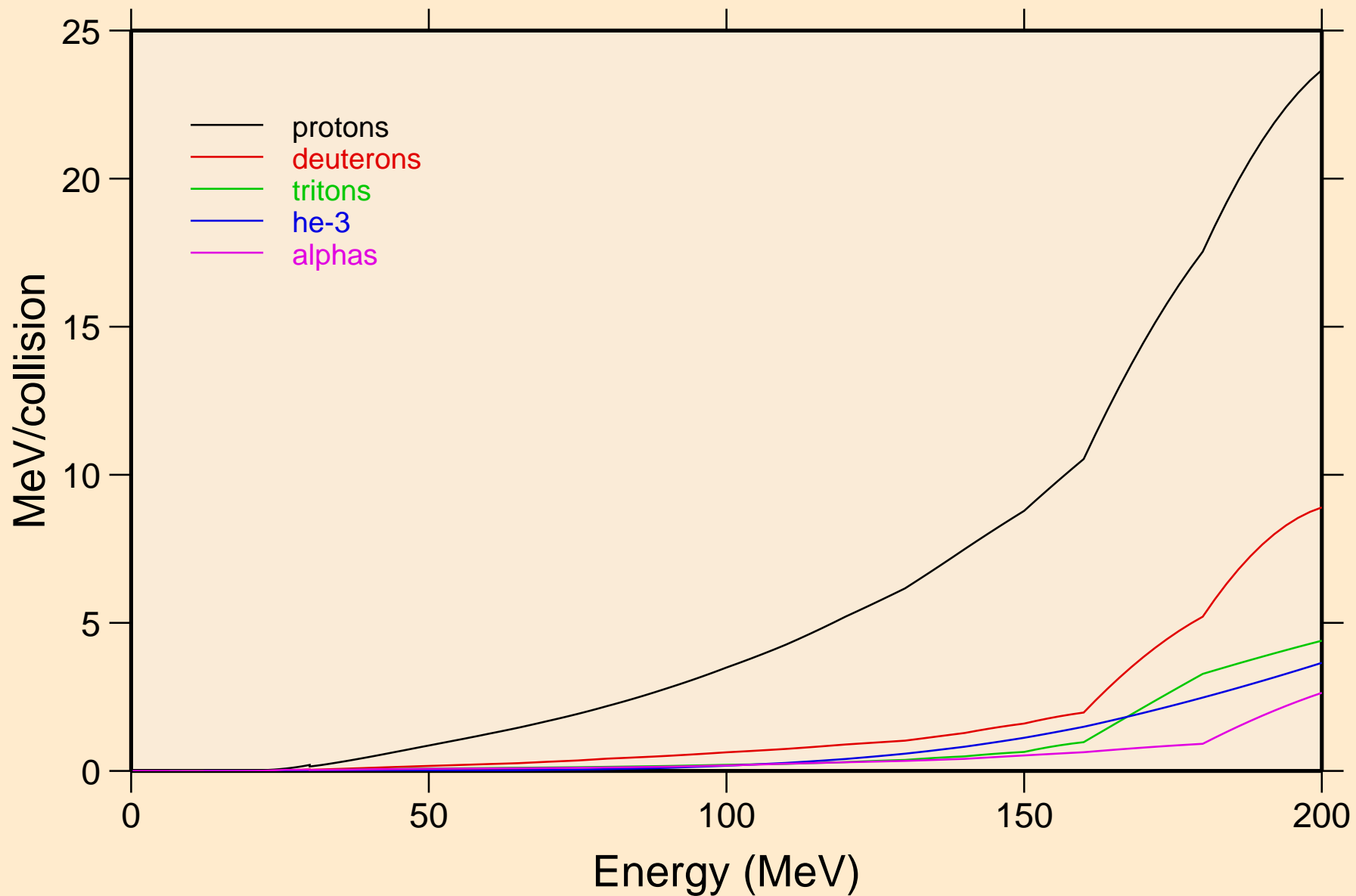


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum

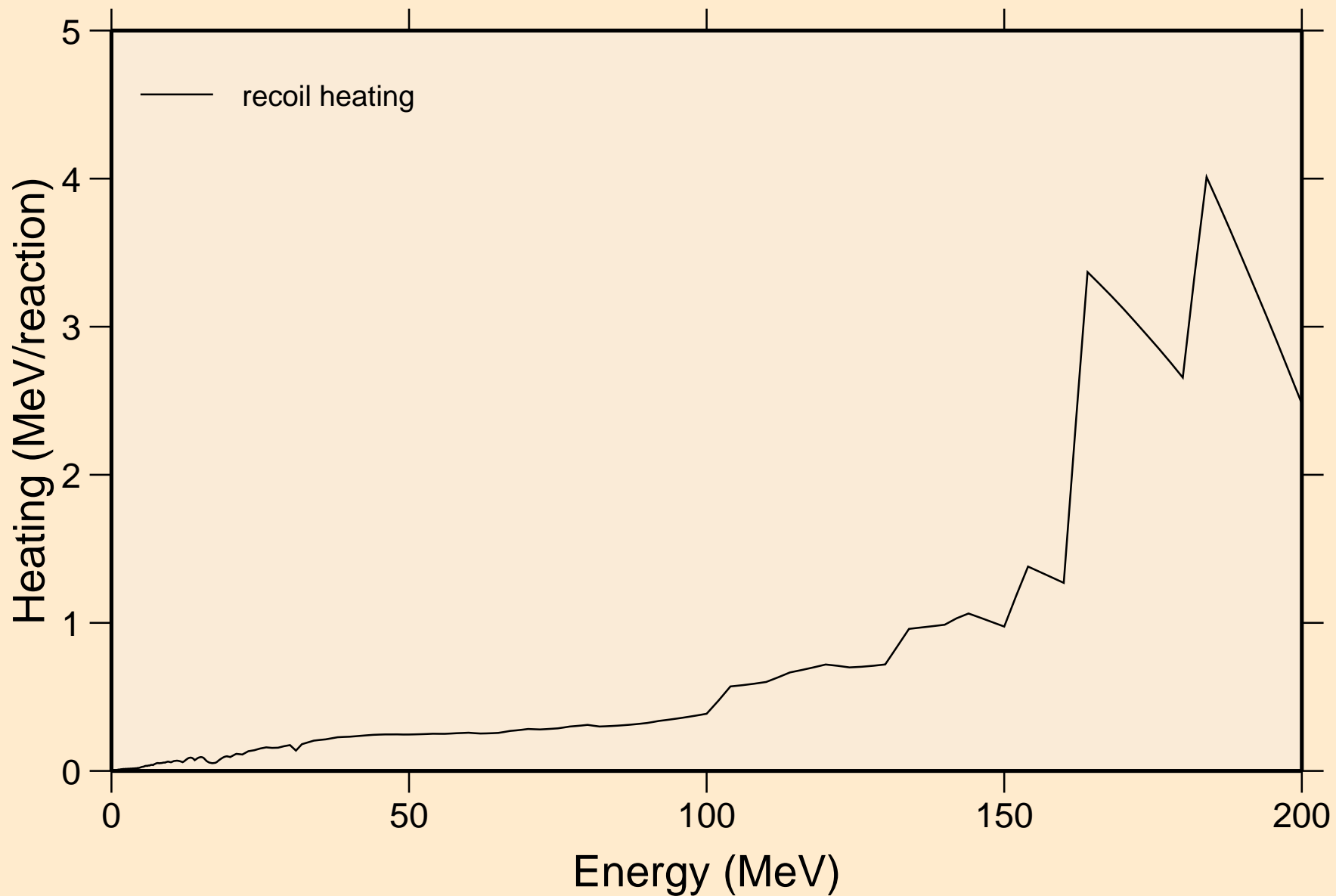


HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

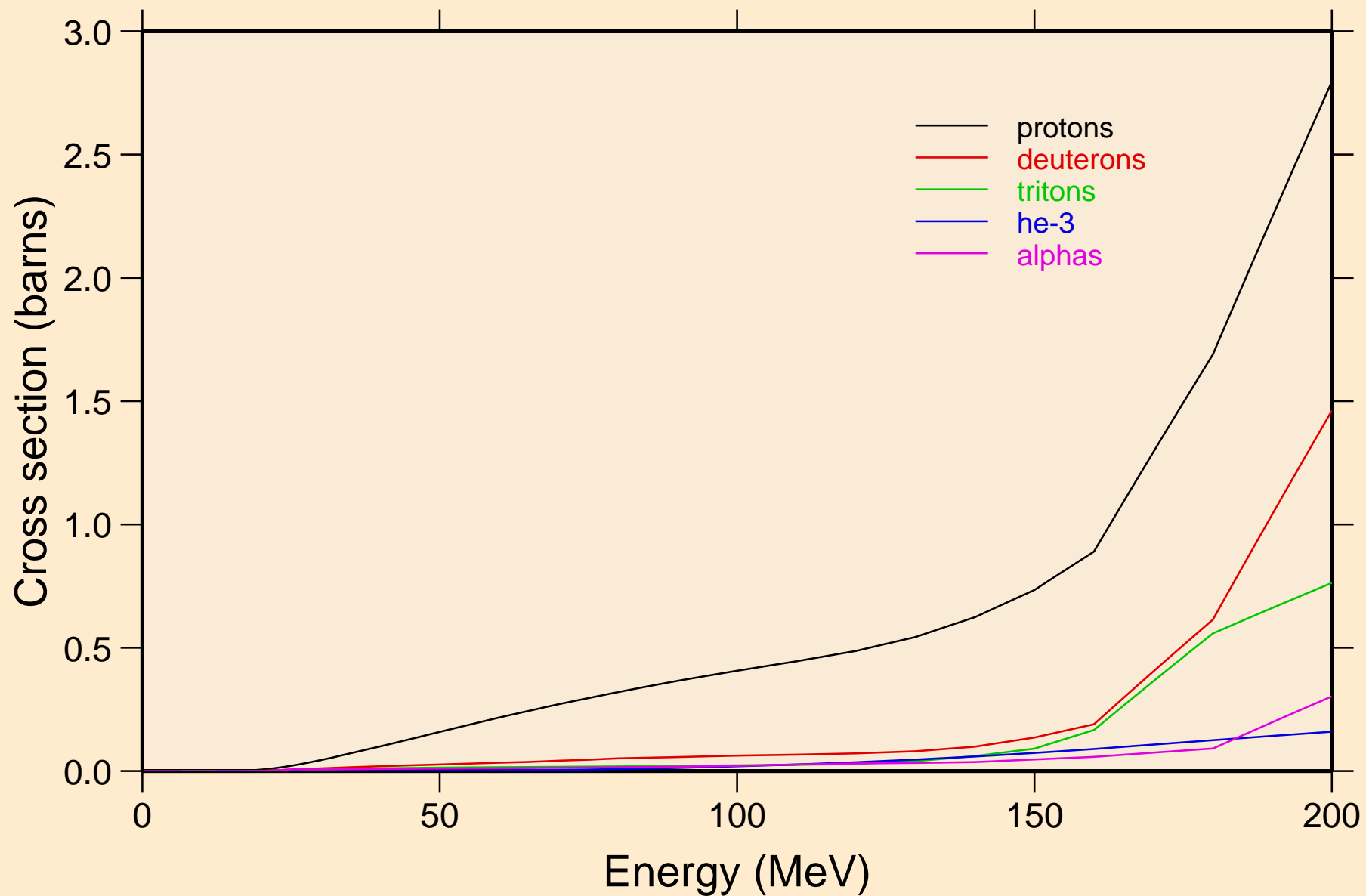
Particle heating contributions



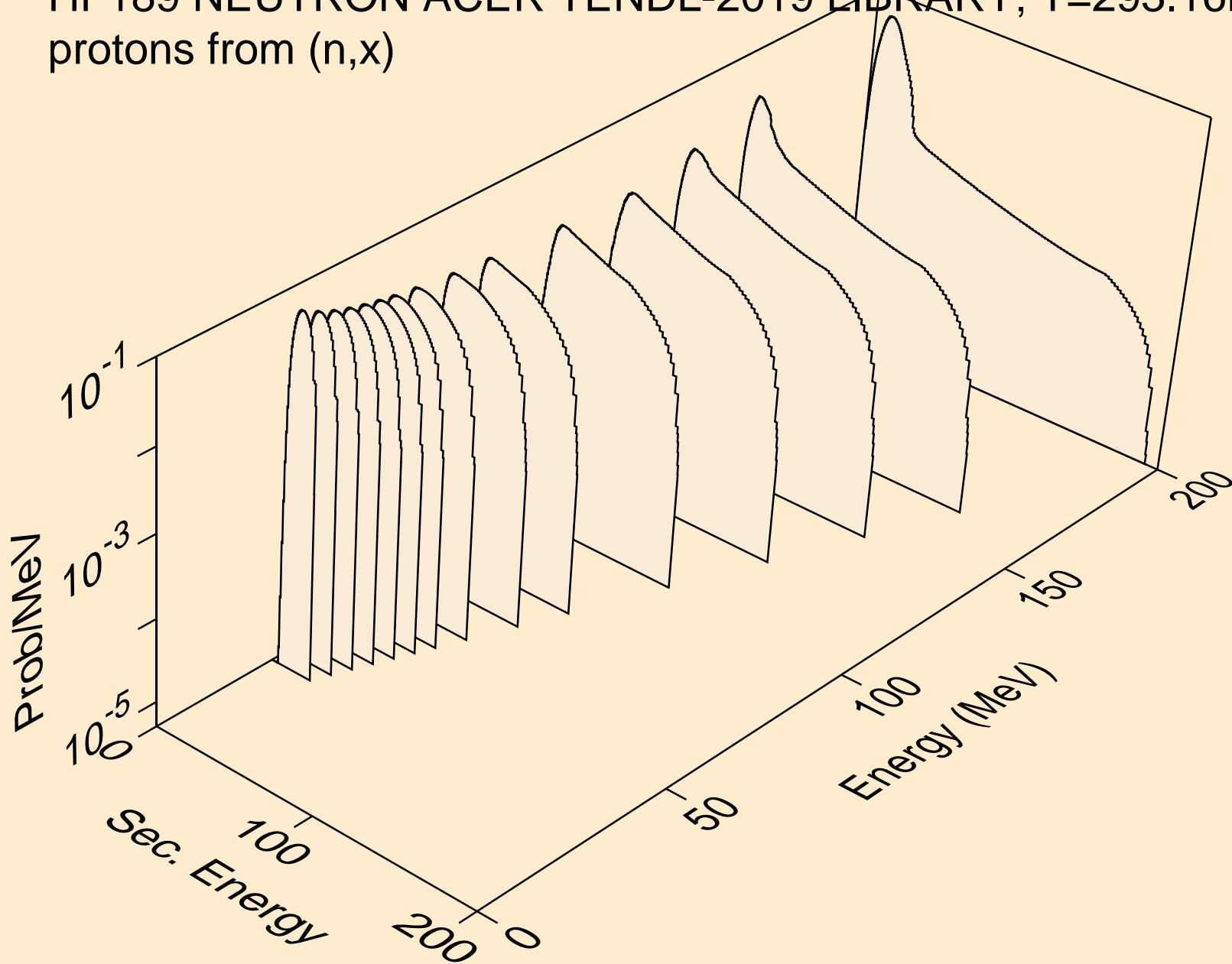
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Recoil Heating



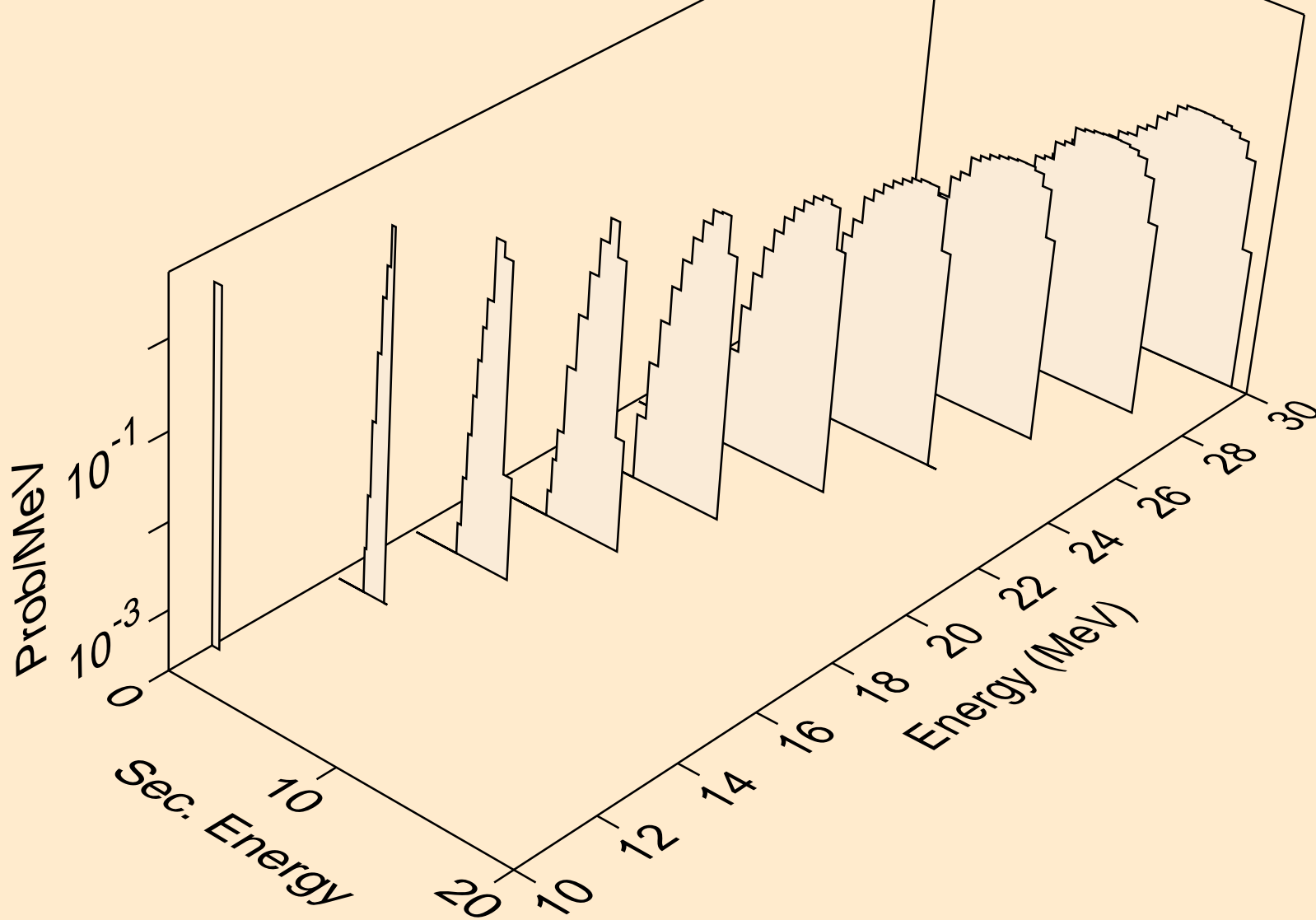
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



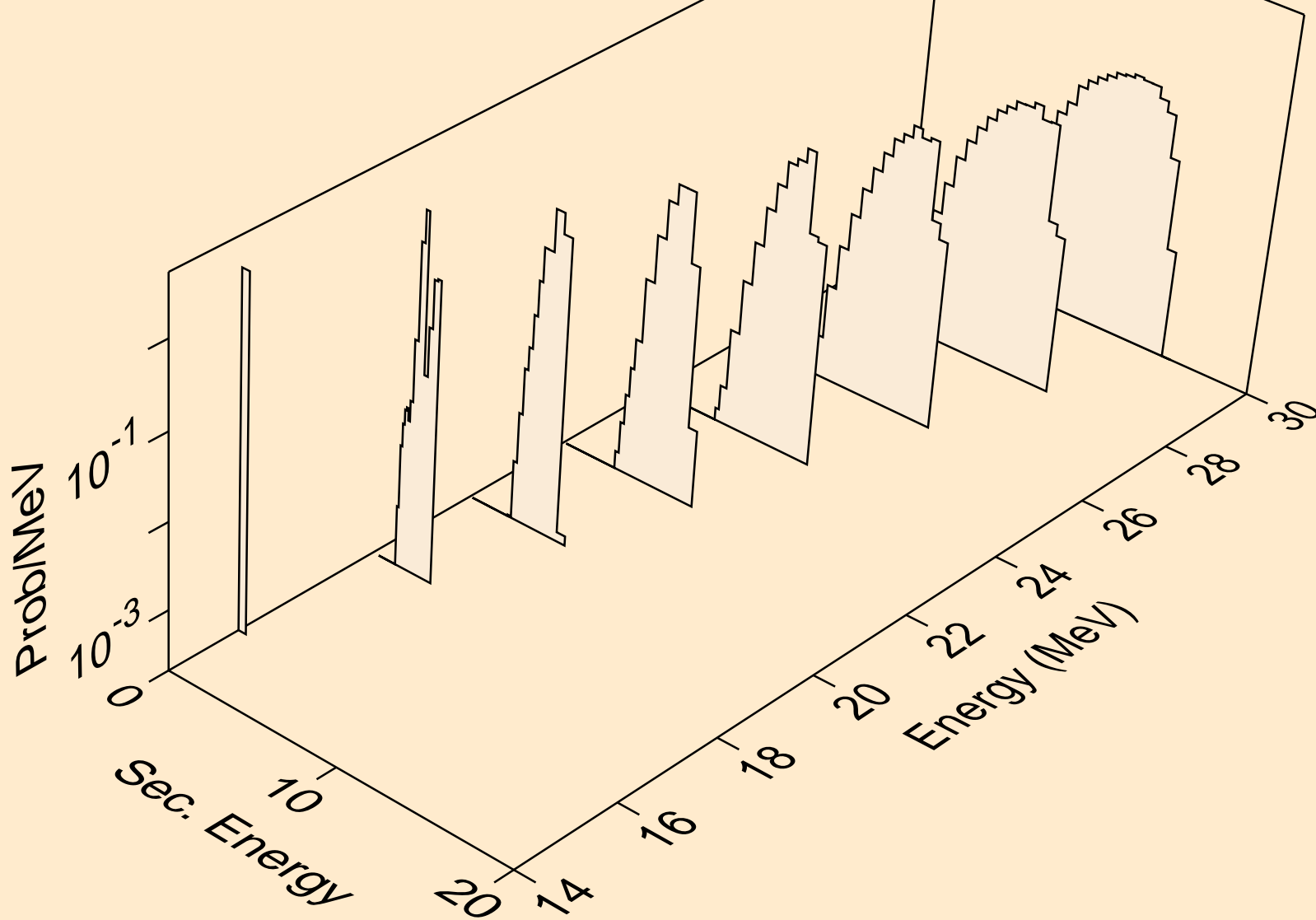
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



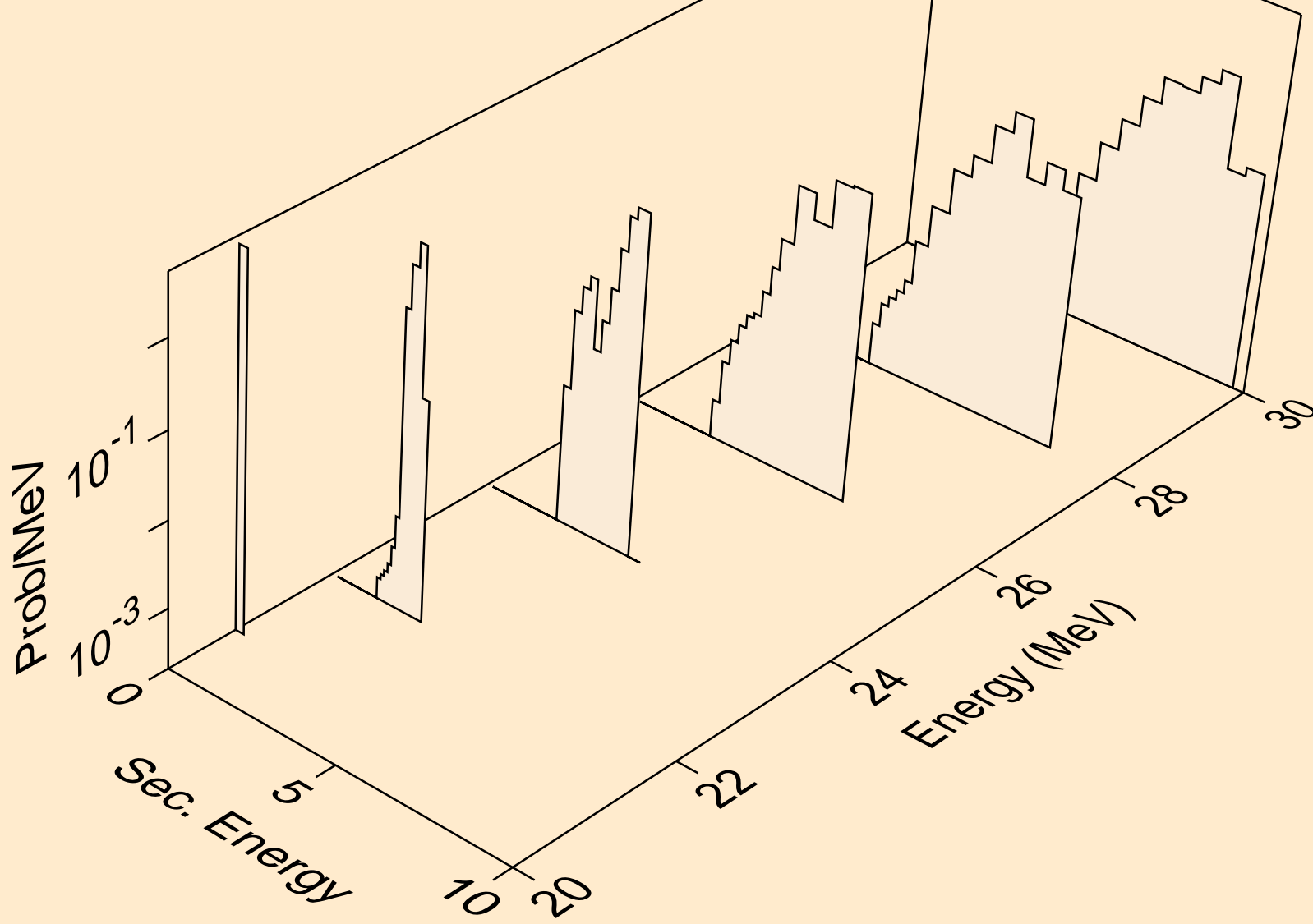
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



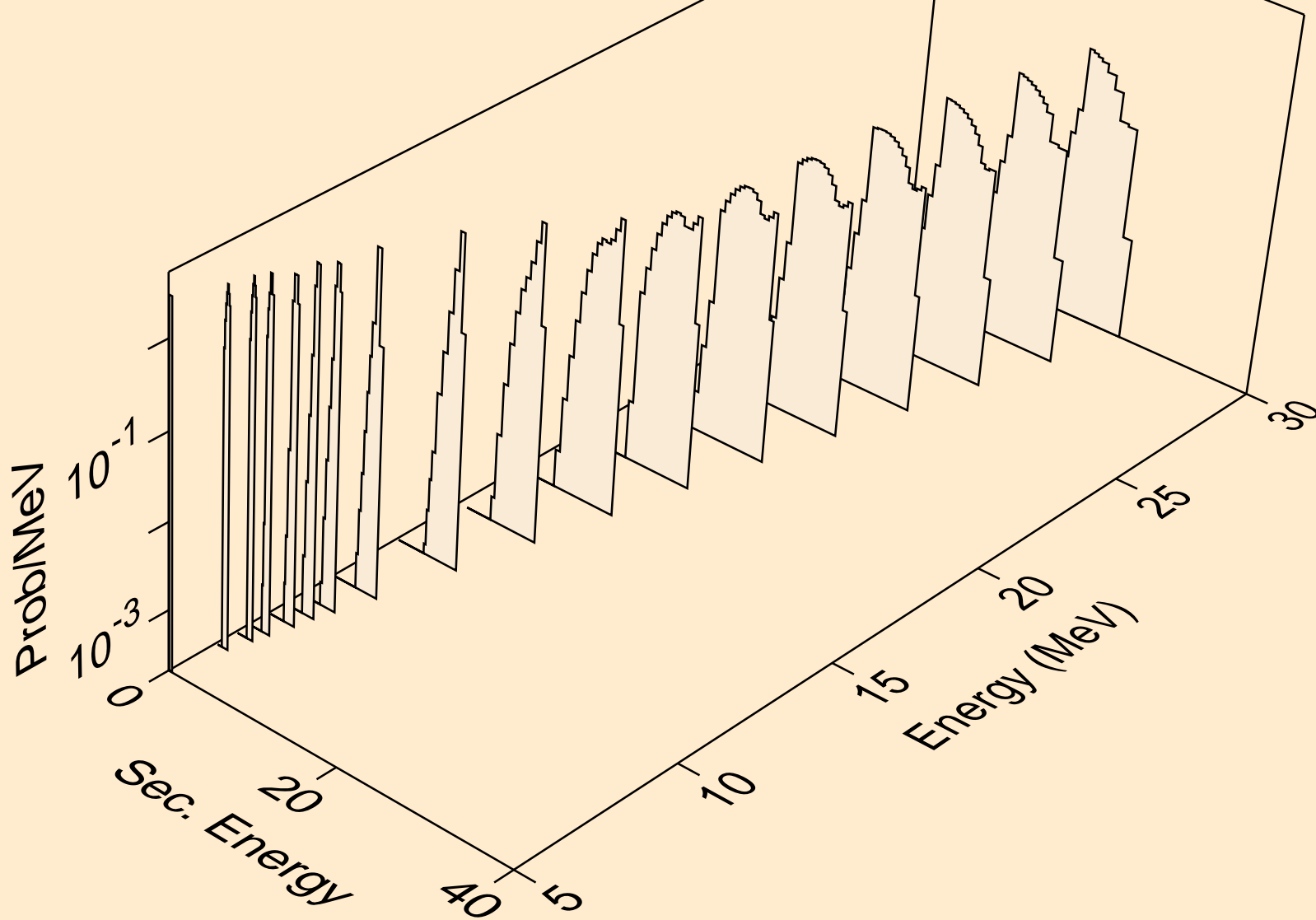
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protons from (n,2np)



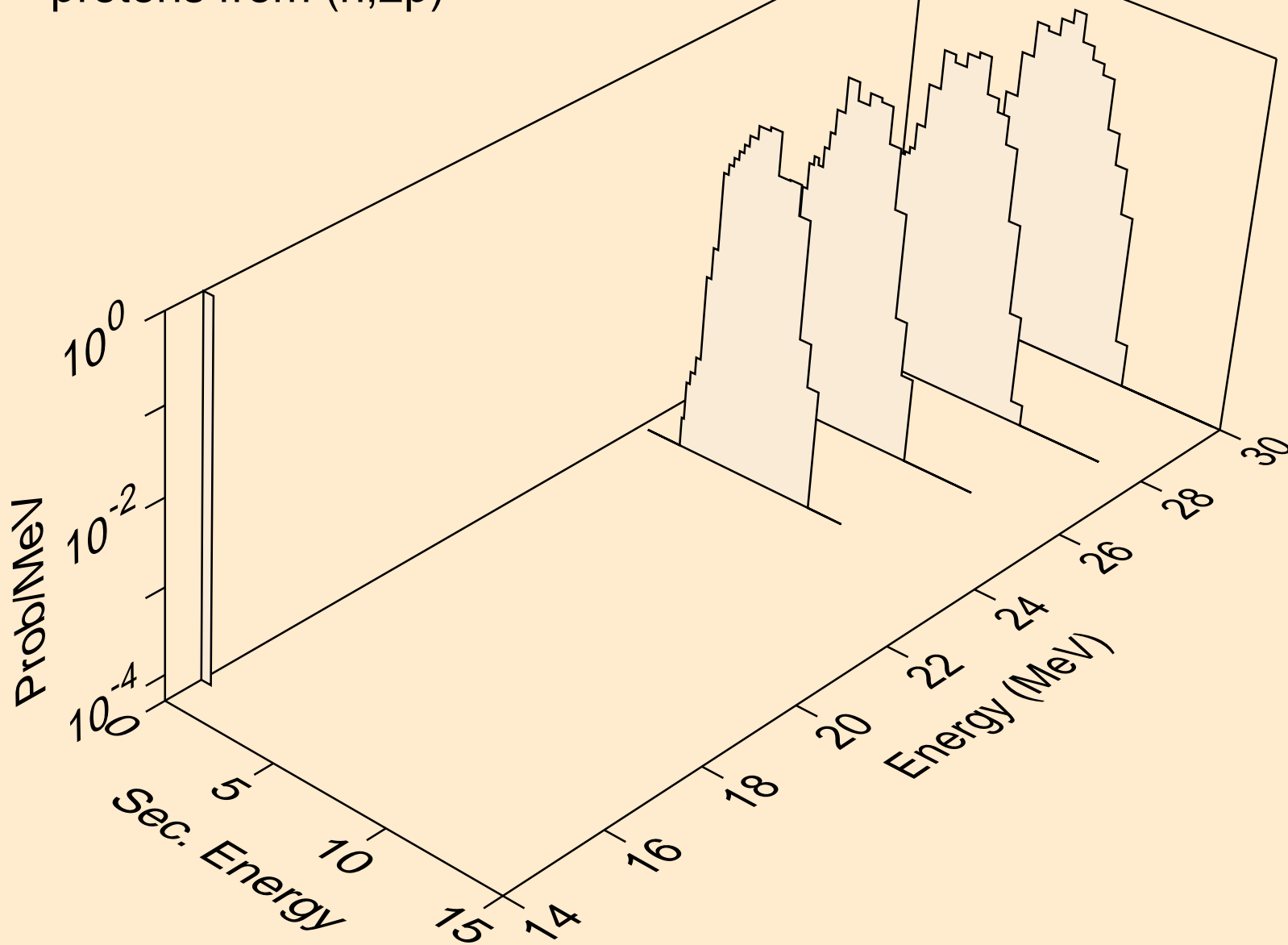
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protons from (n,3np)



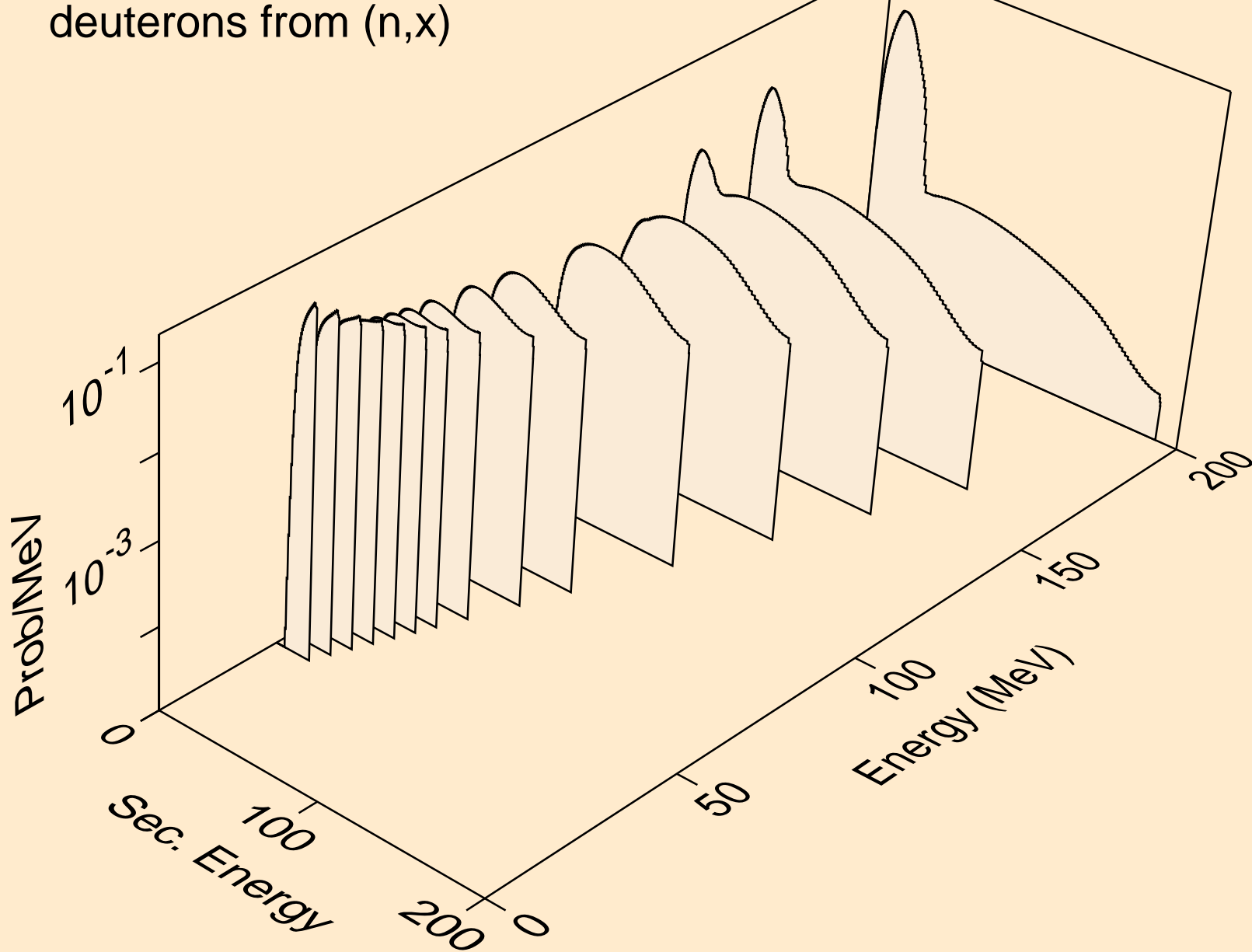
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



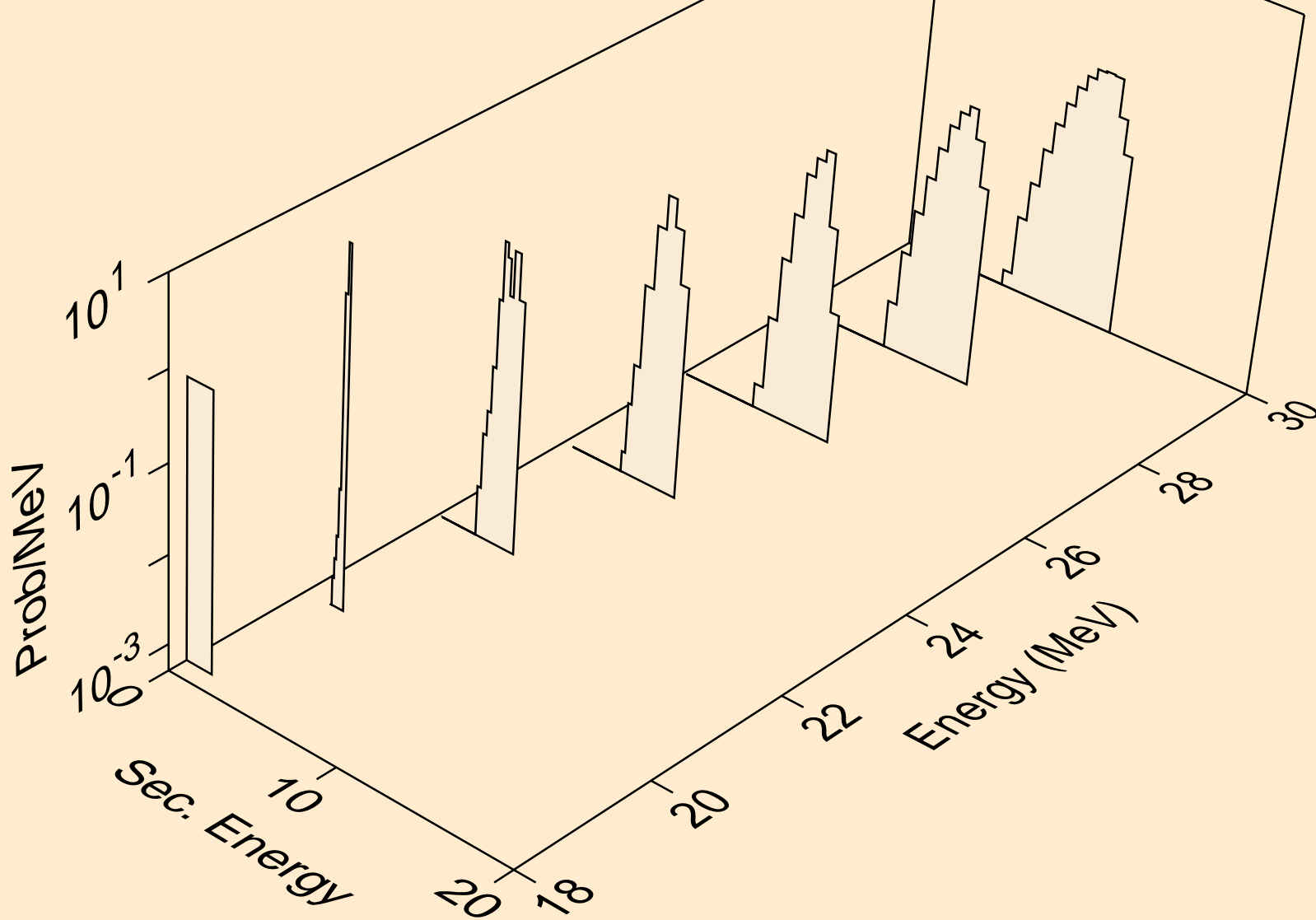
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



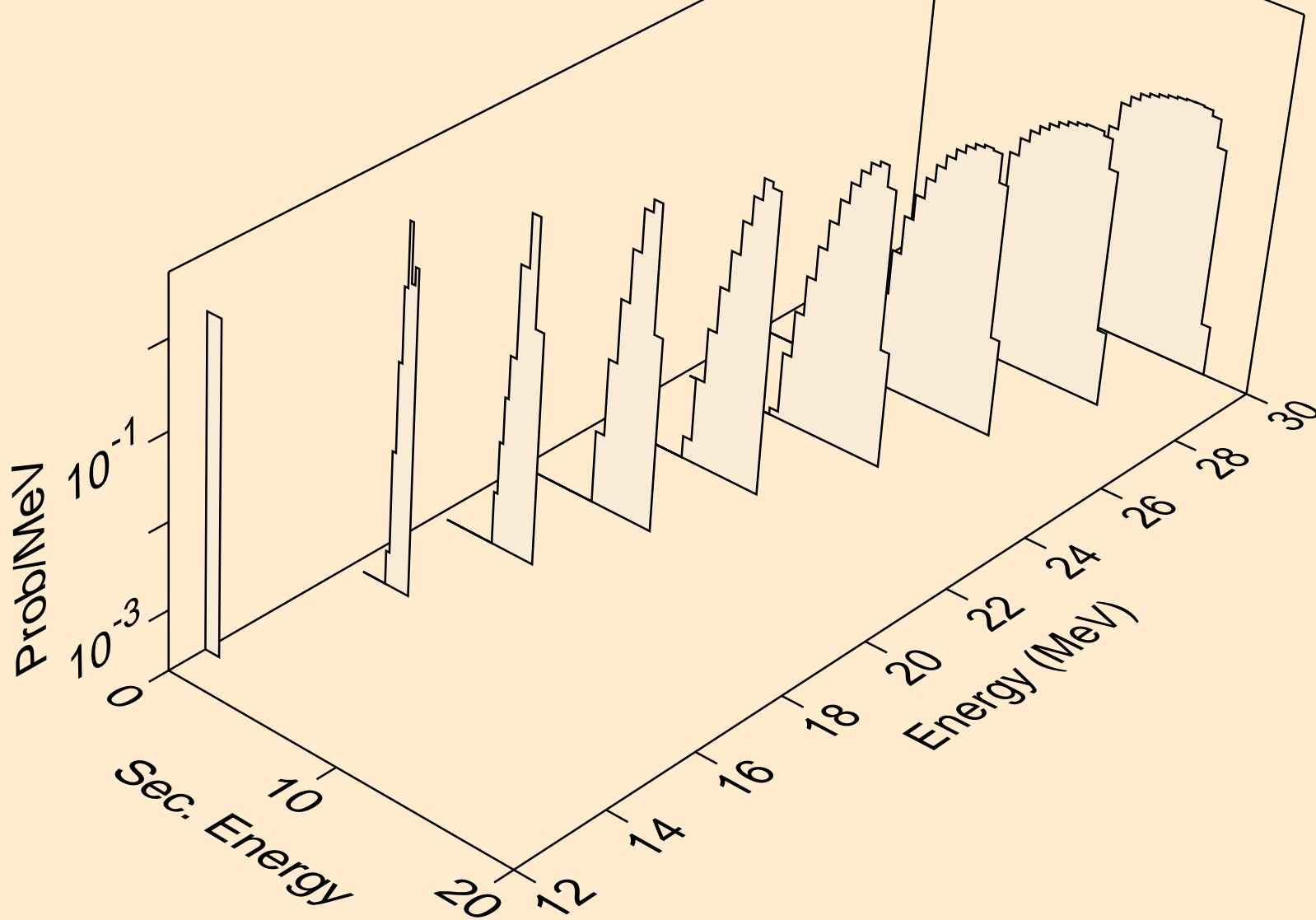
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



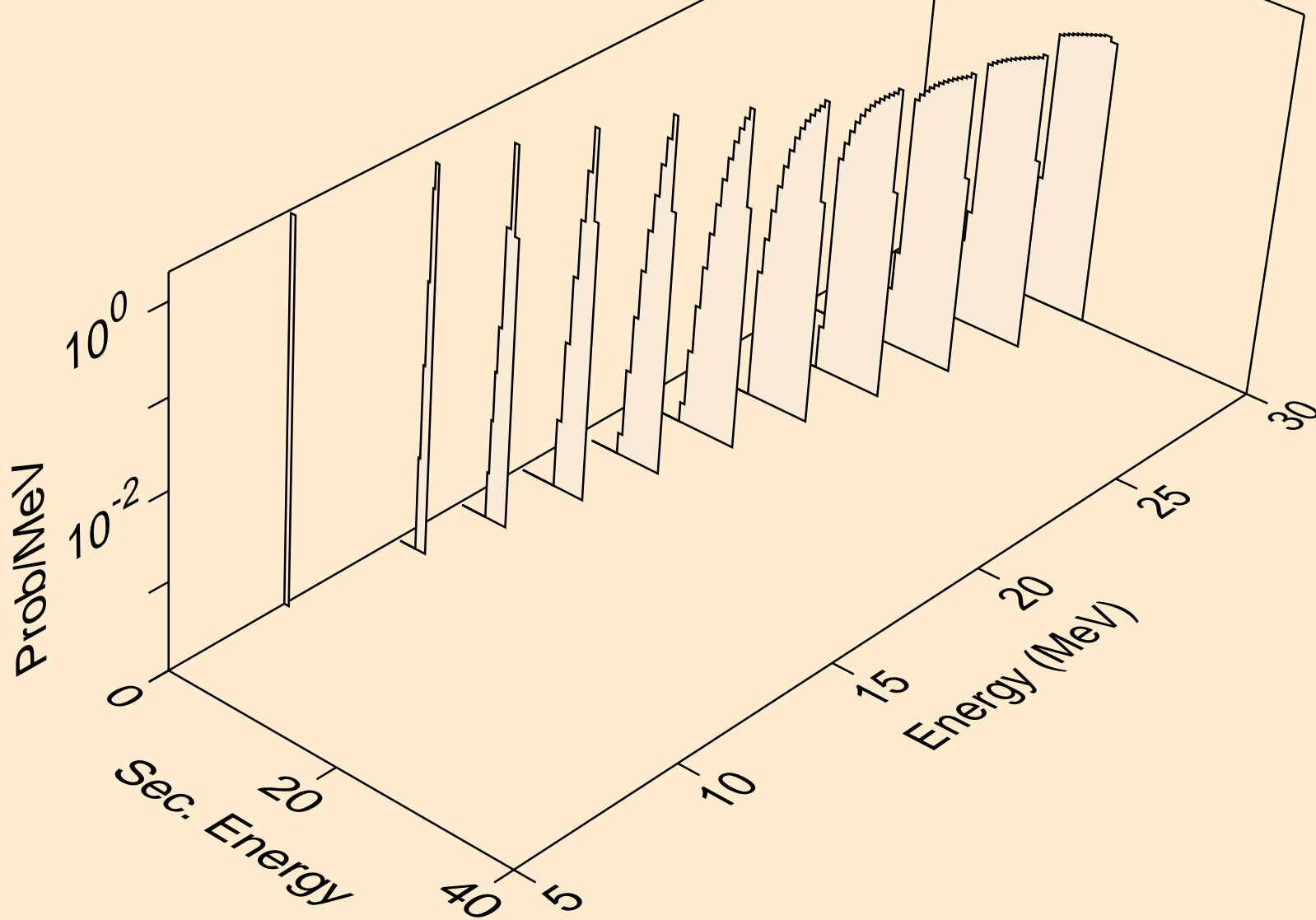
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



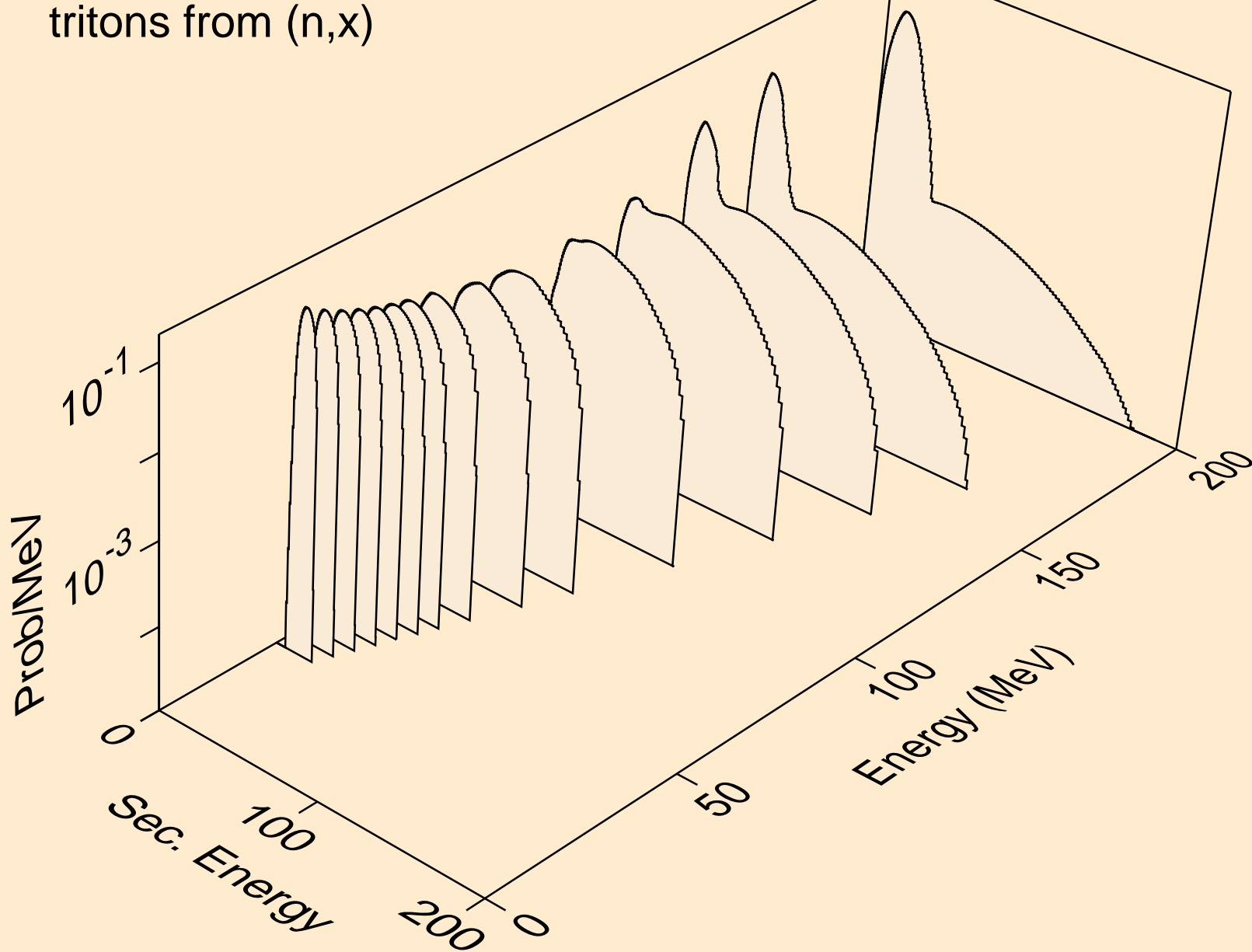
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,n*)d



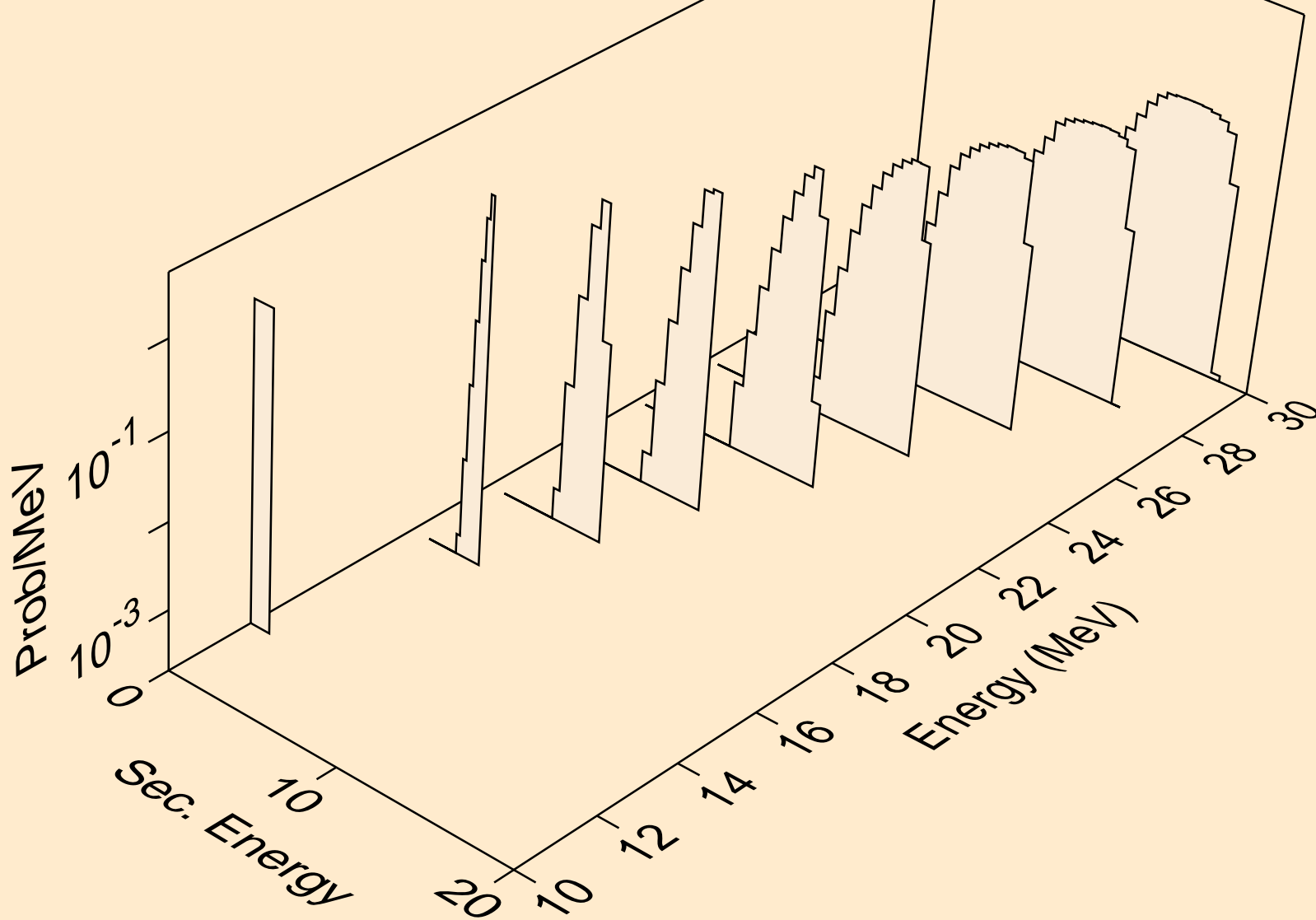
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



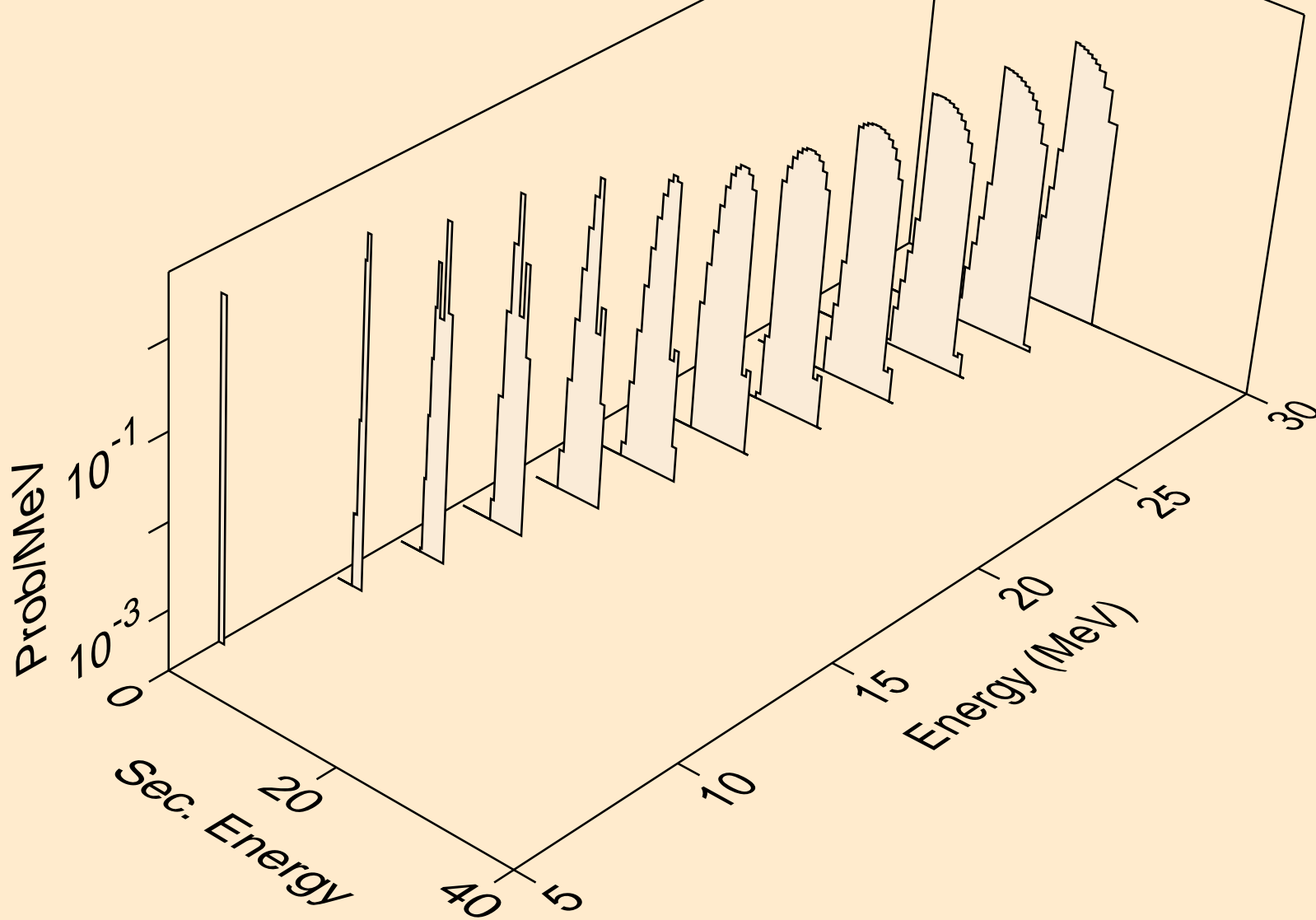
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



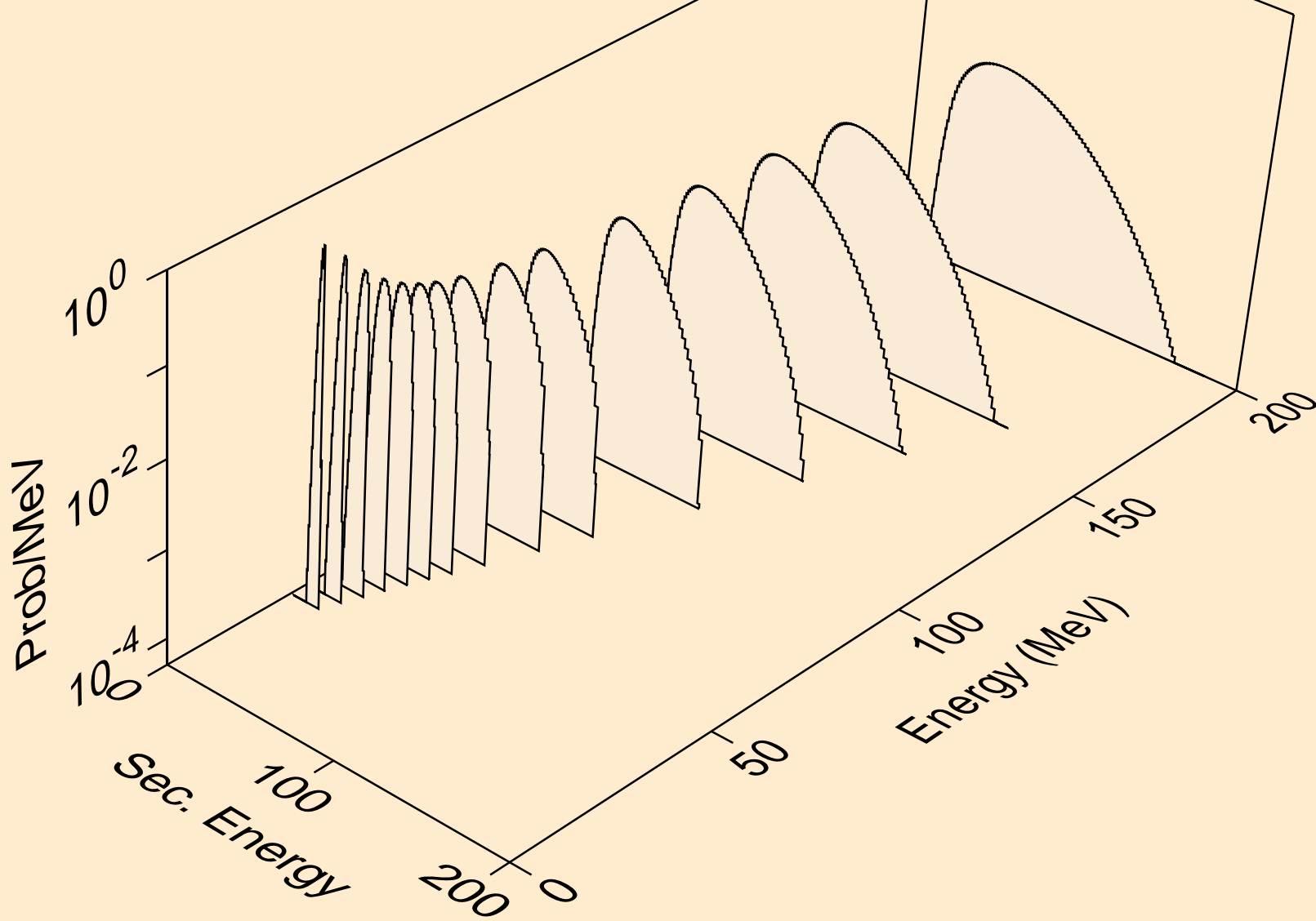
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



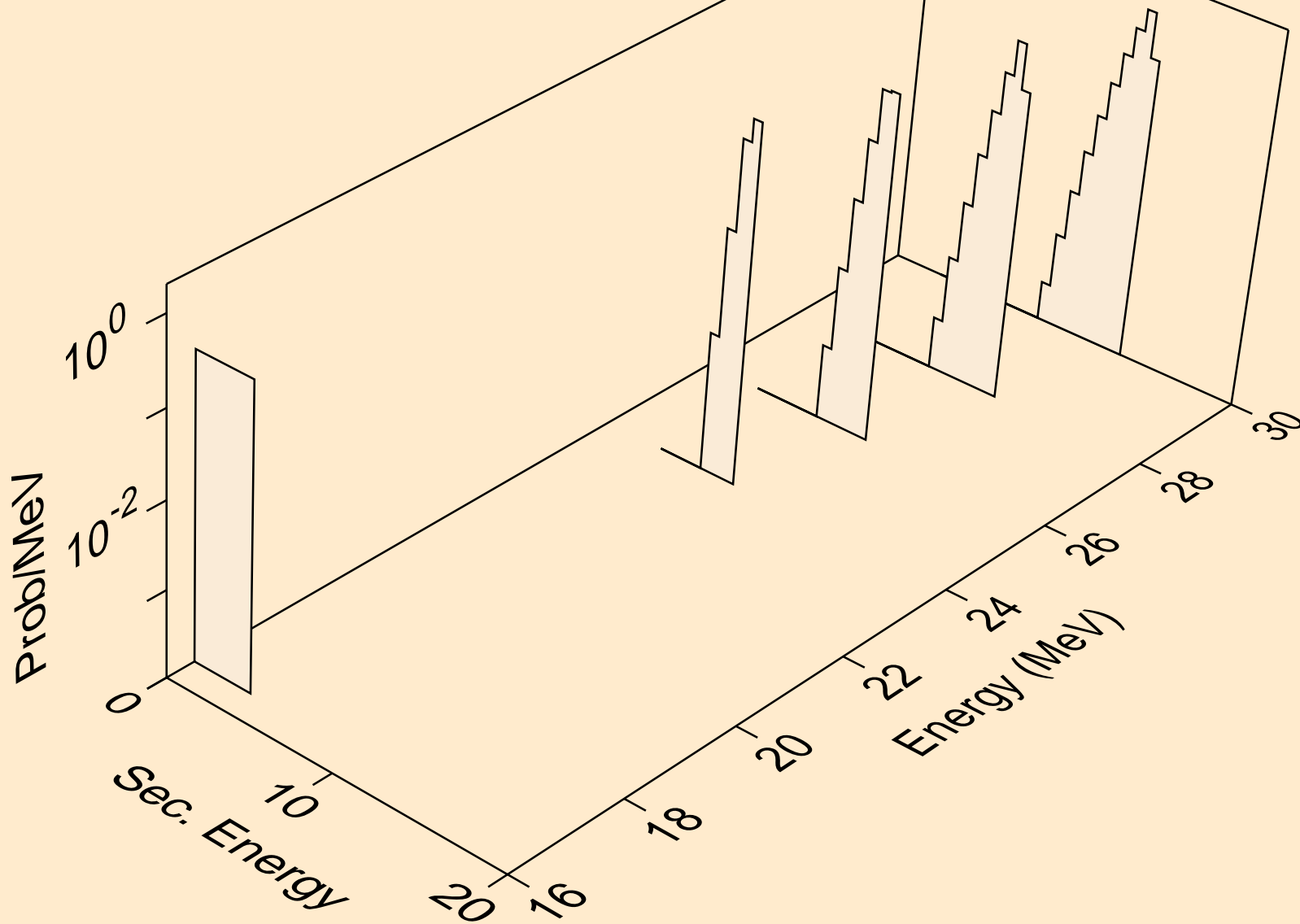
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



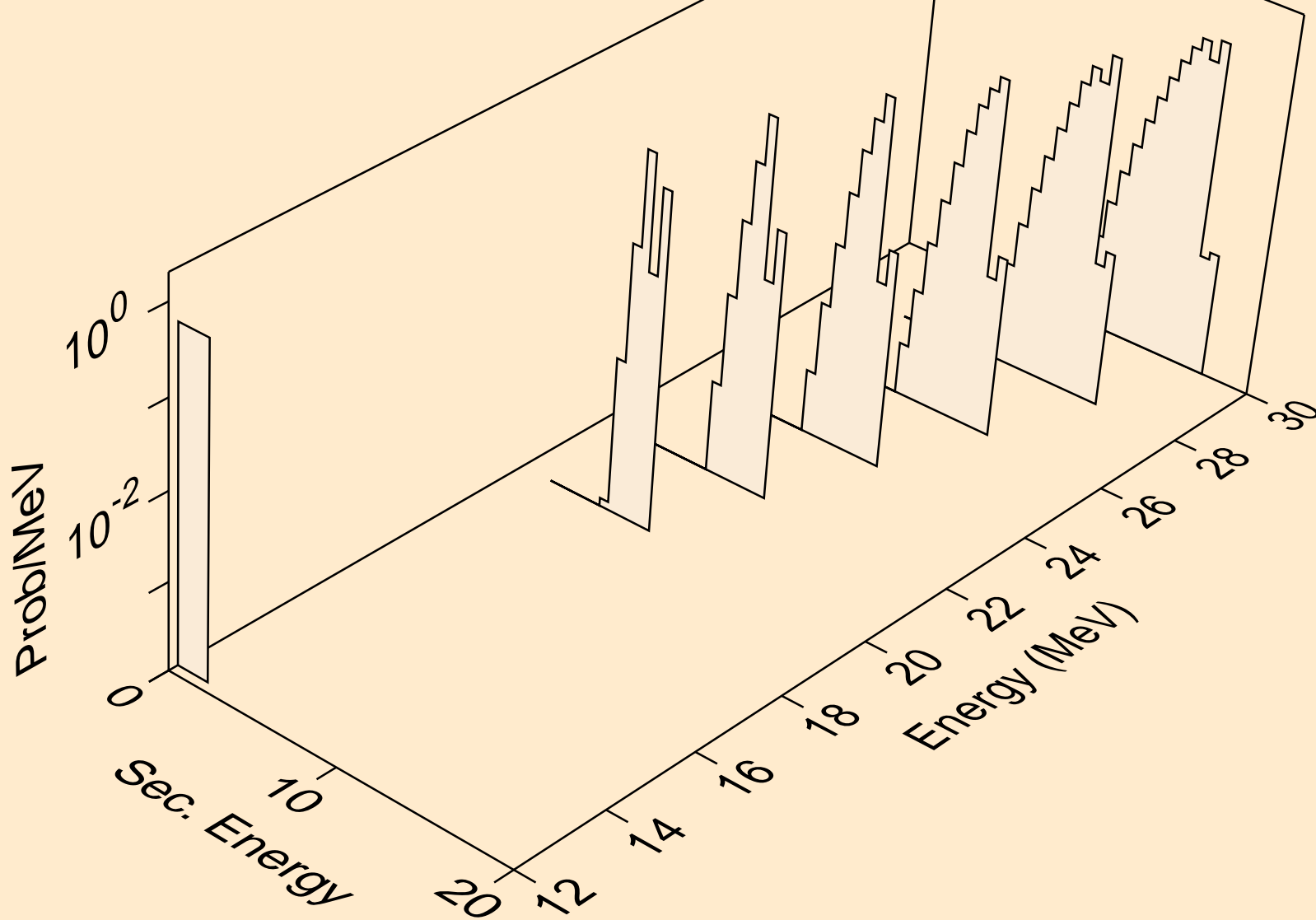
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



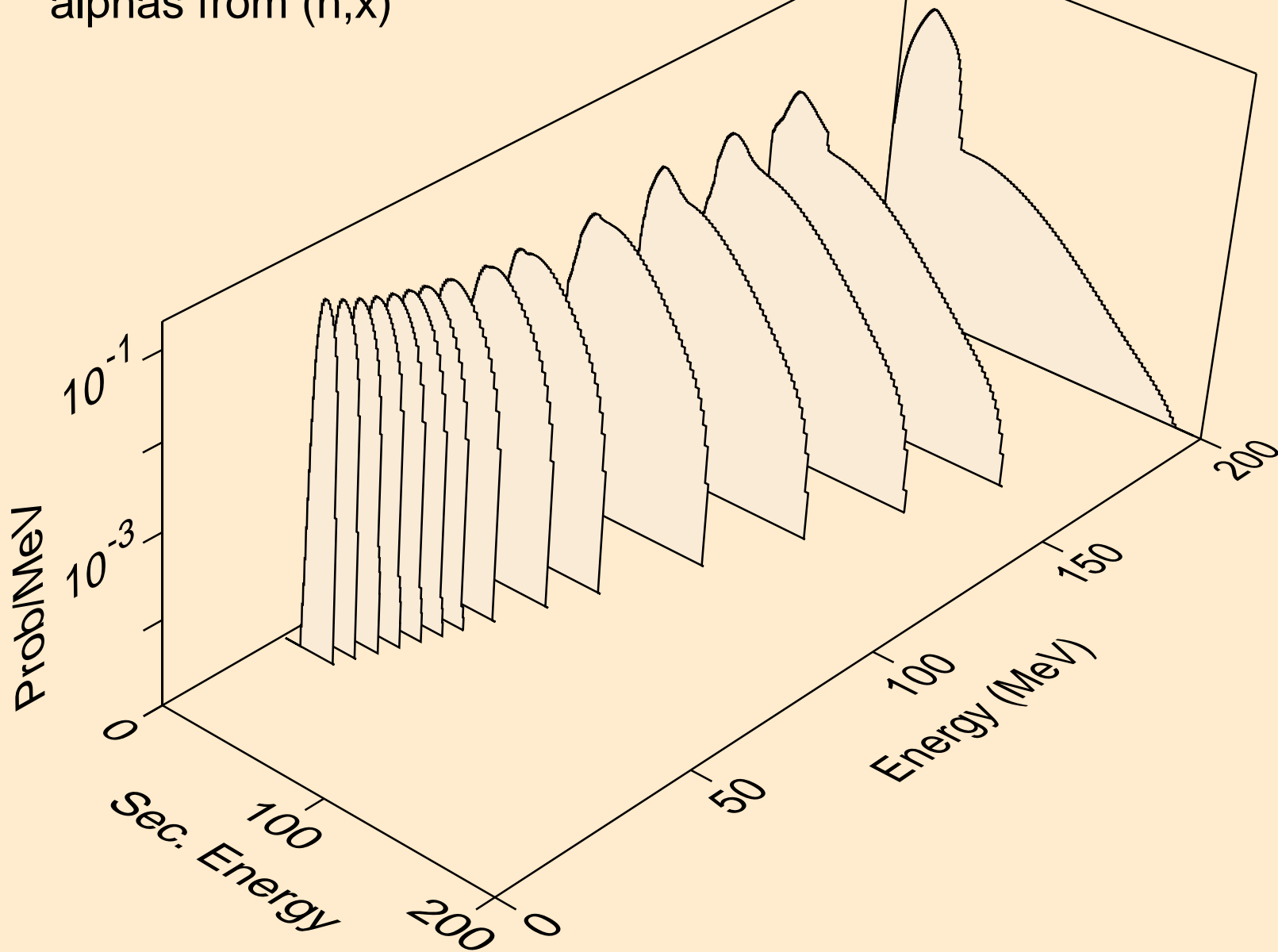
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,n*)he3



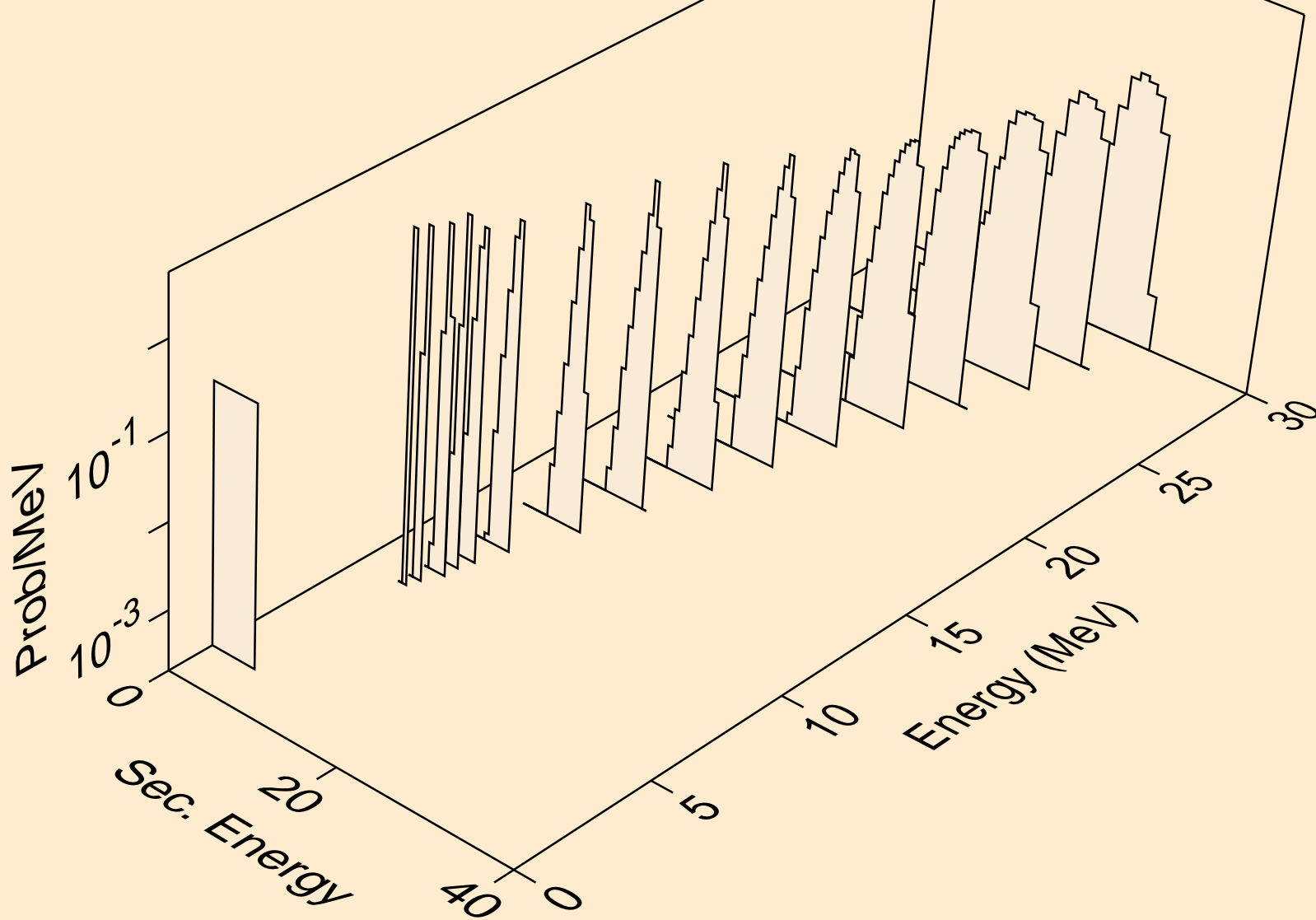
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he3s from (n,he3)



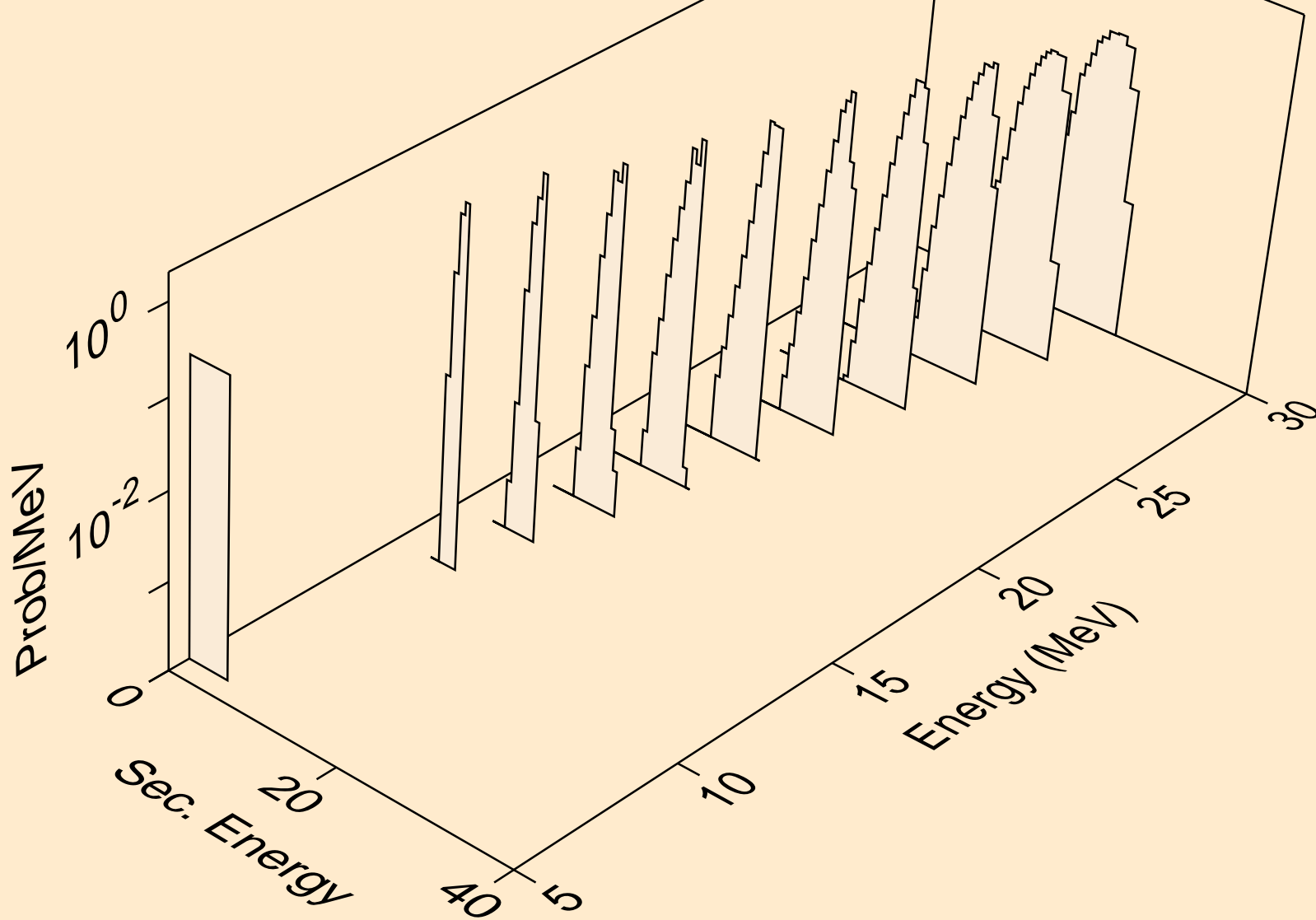
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



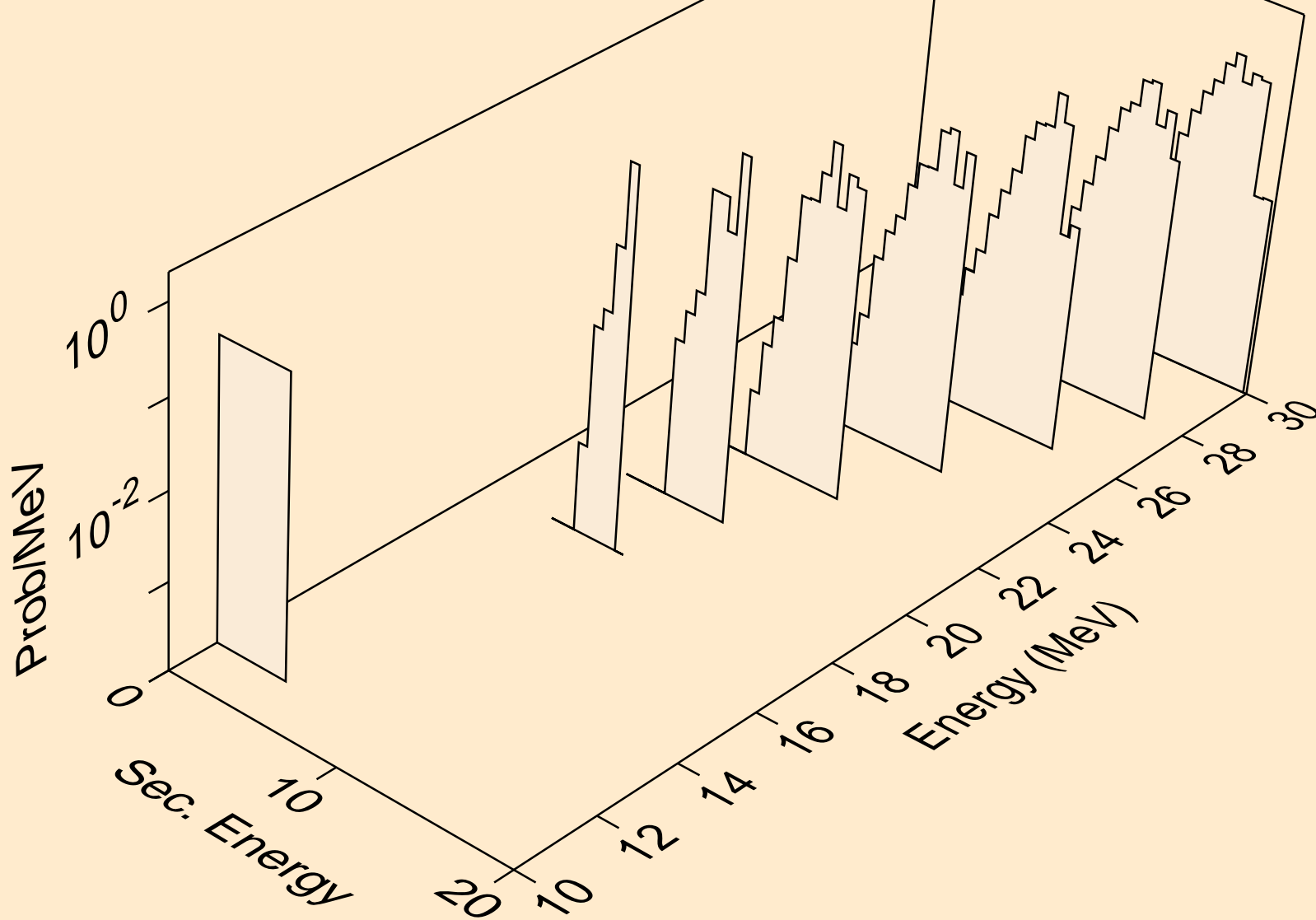
HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,3n)a



HF189 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)

