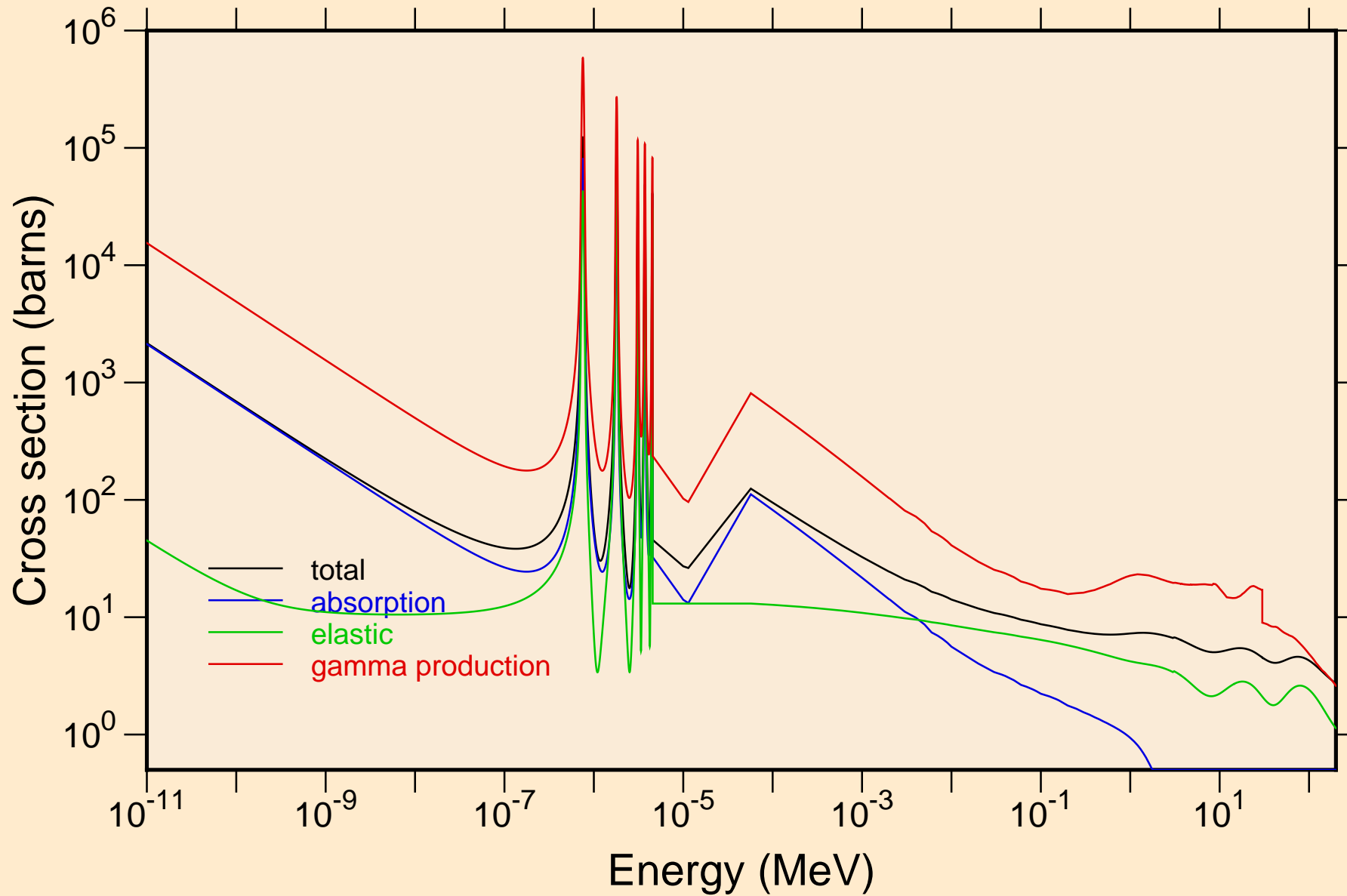
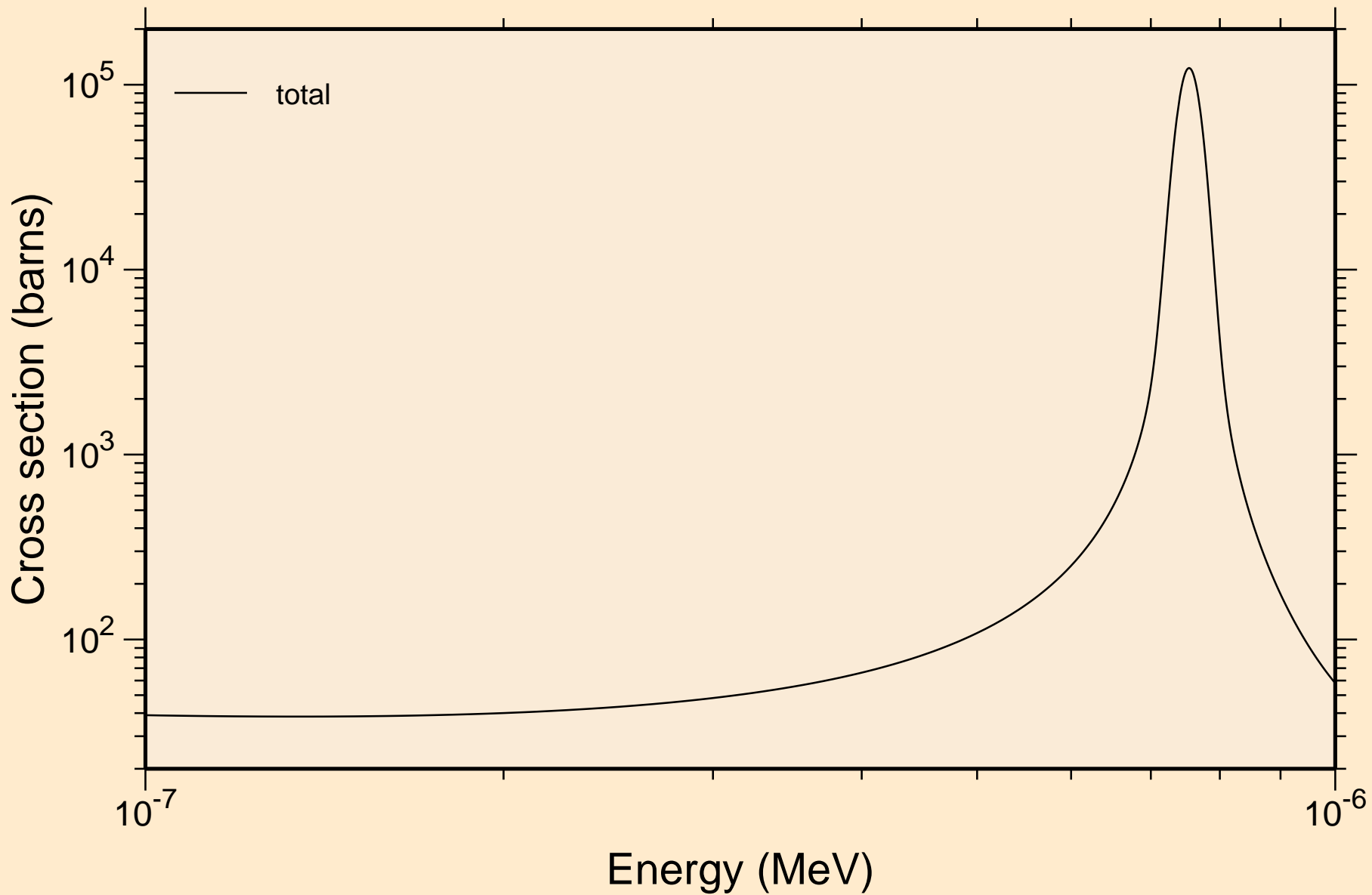


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

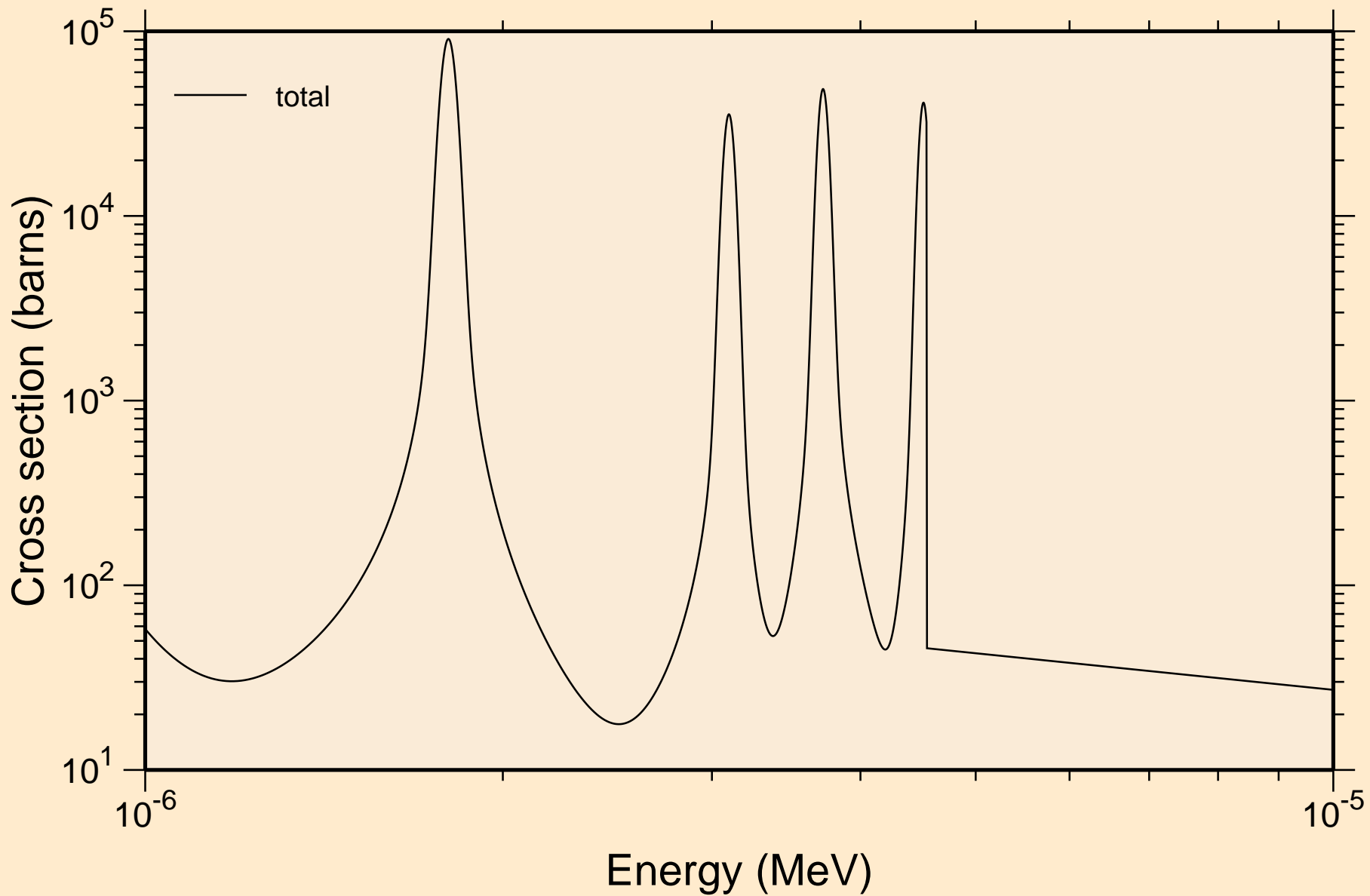
Principal cross sections



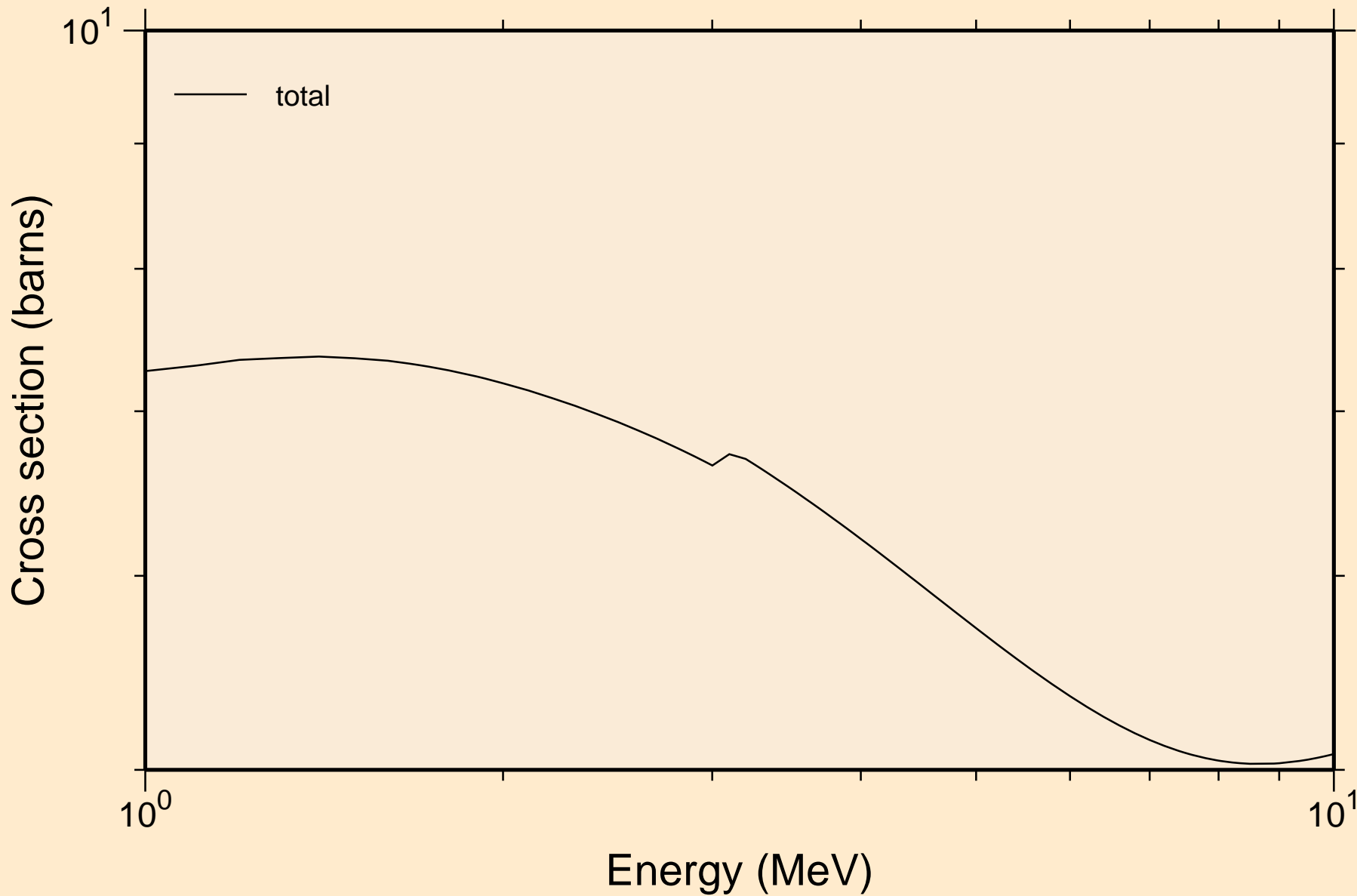
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resonance total cross section



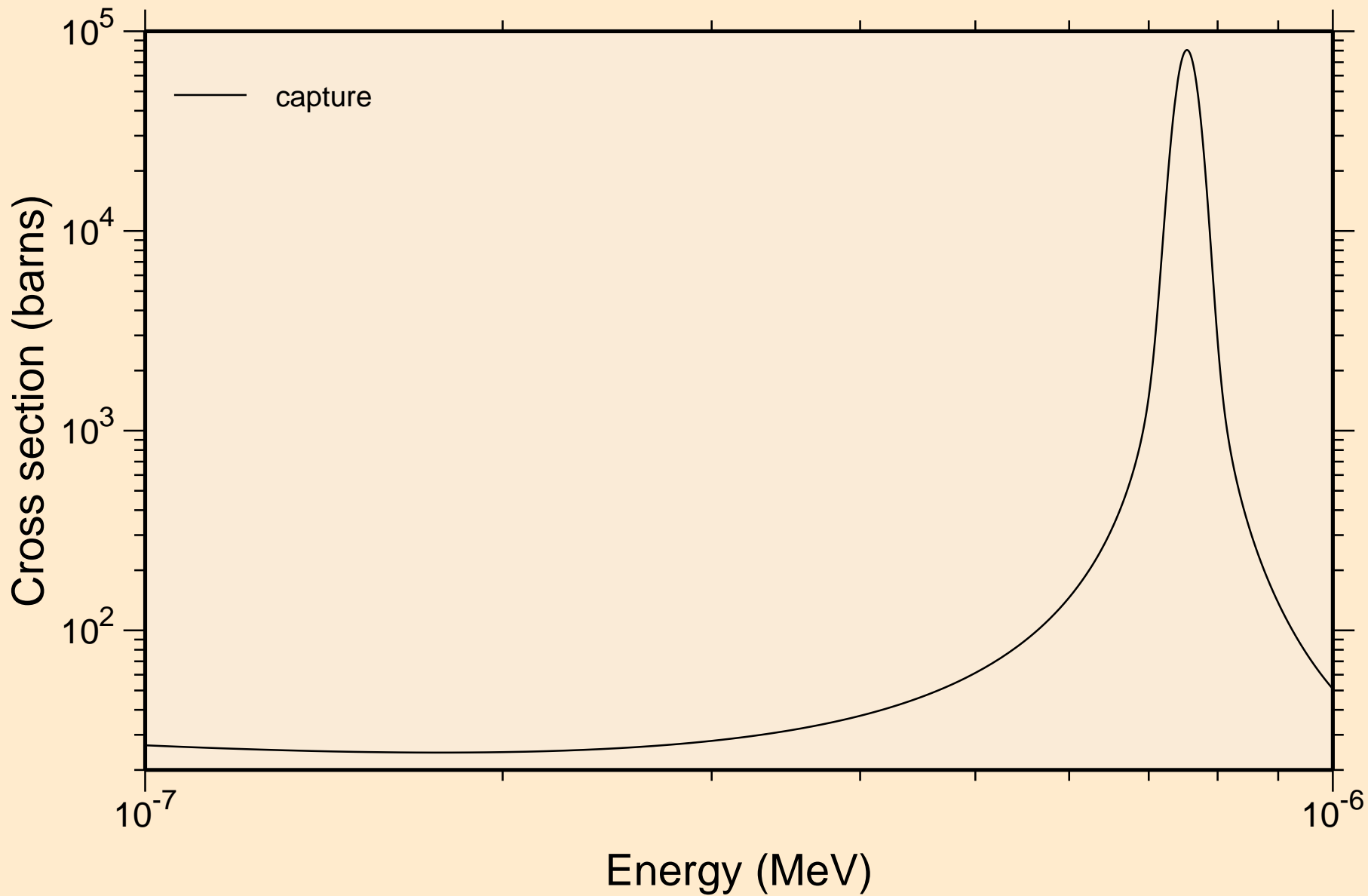
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resonance total cross section



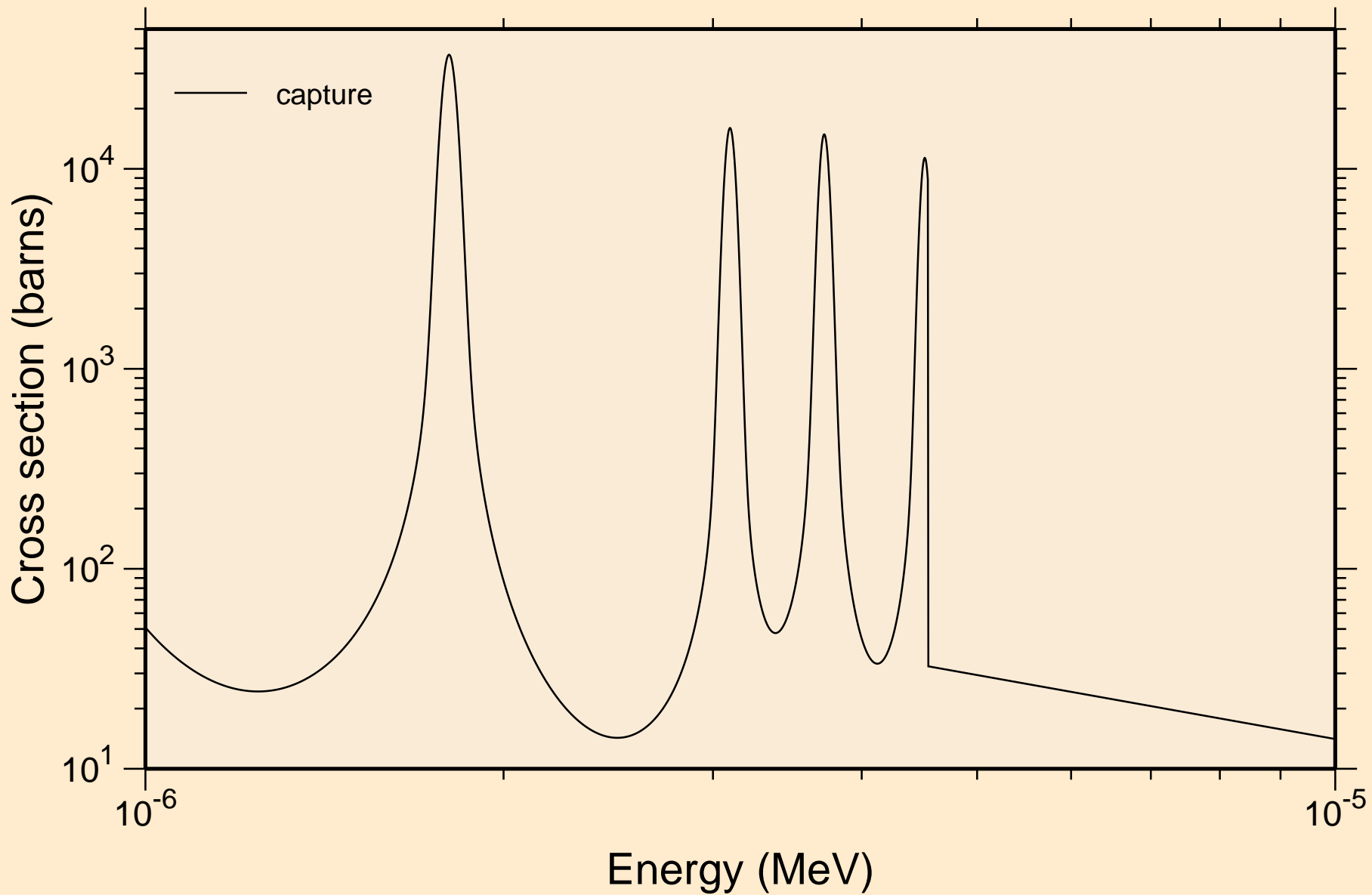
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resonance total cross section



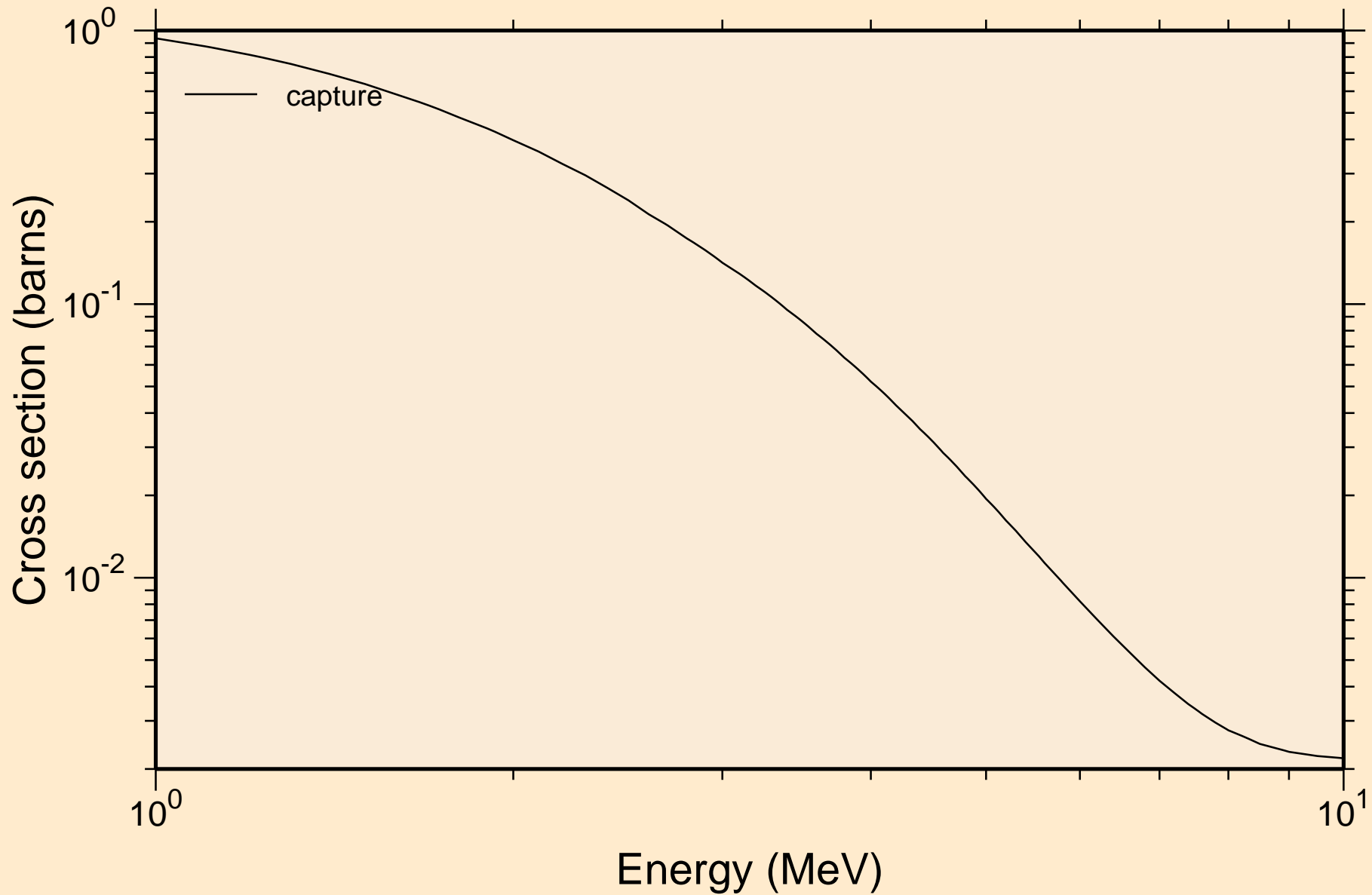
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resonance absorption cross sections



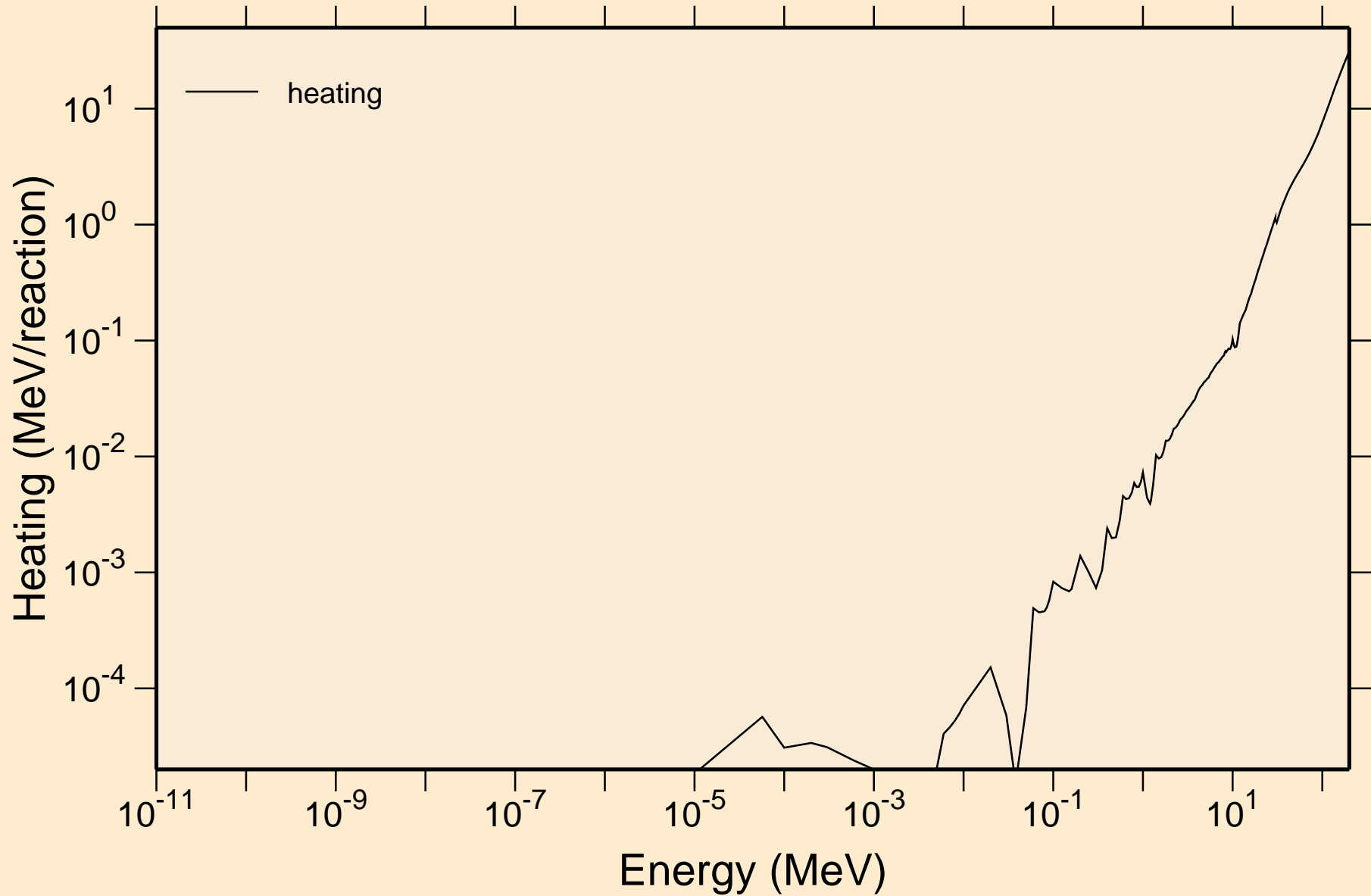
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
resonance absorption cross sections

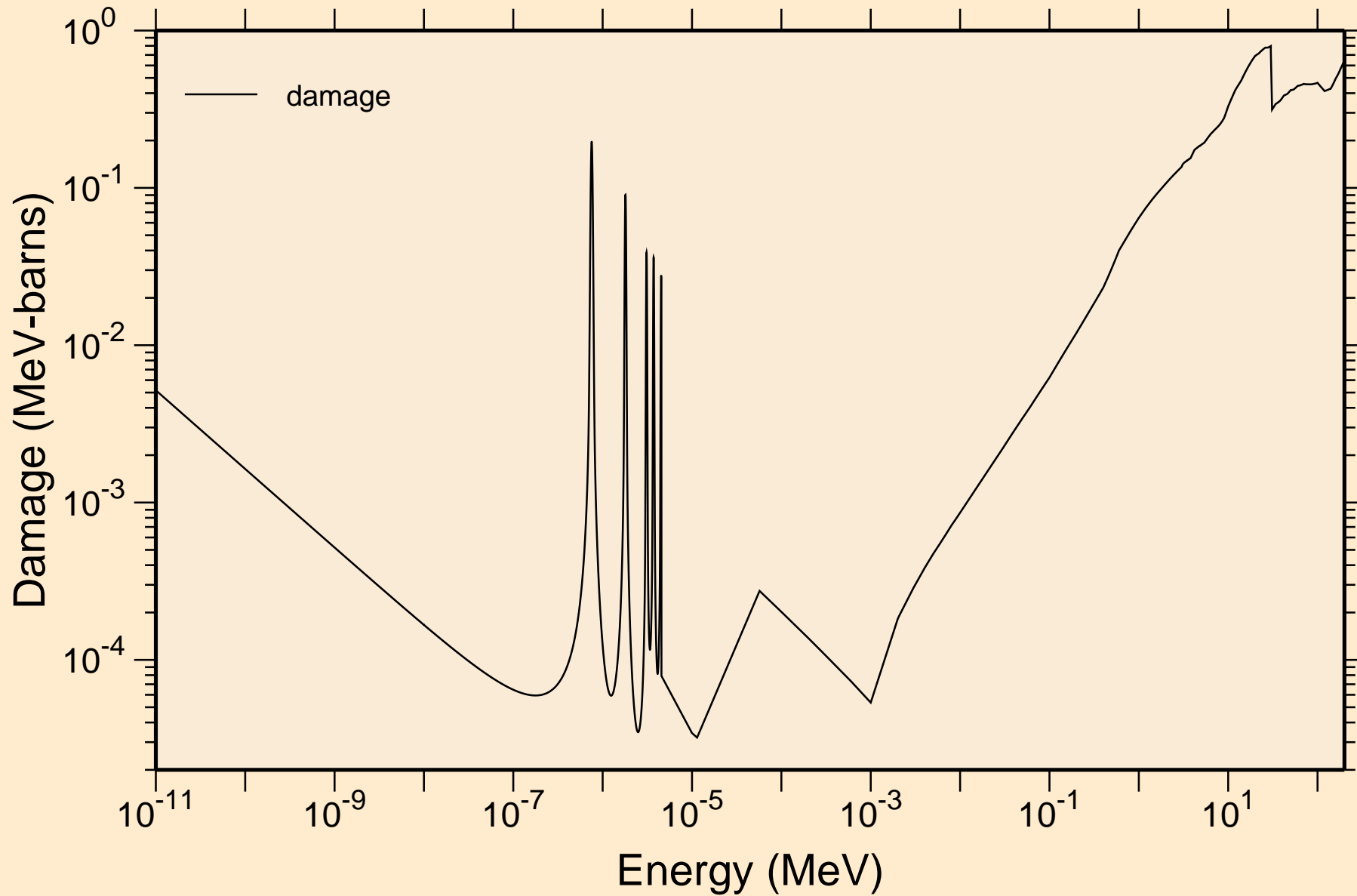


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Heating



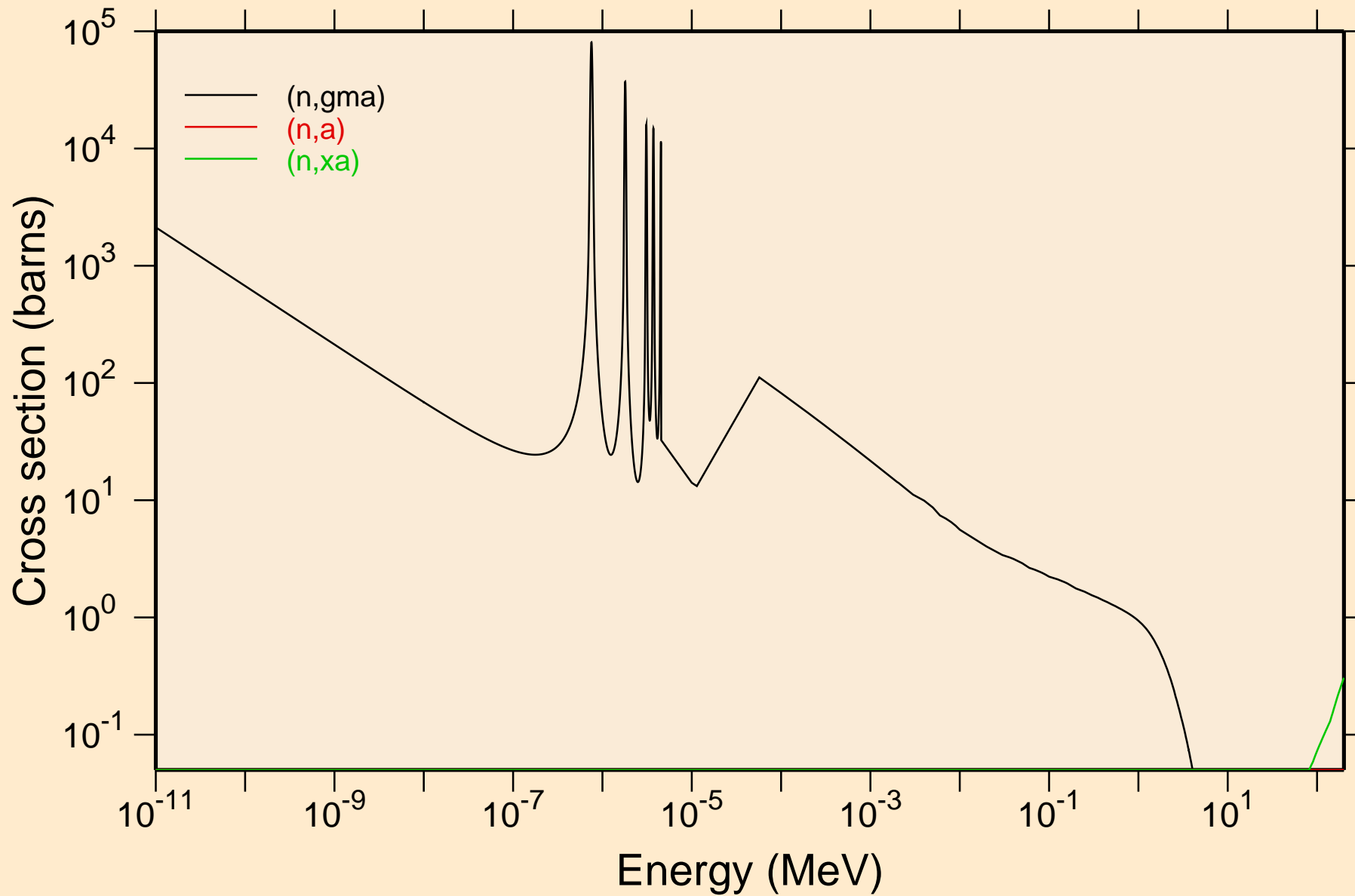
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Damage



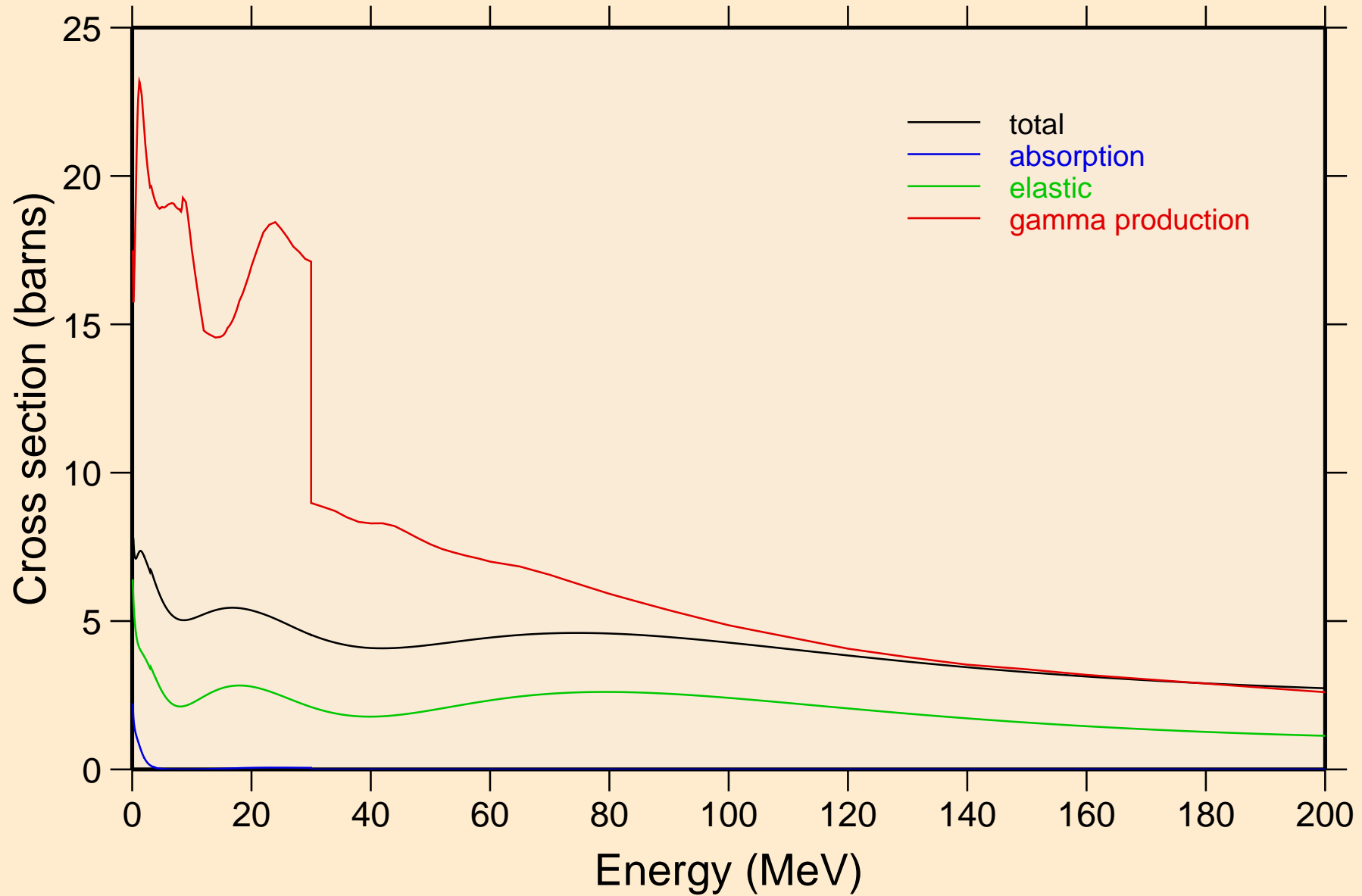
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Non-threshold reactions

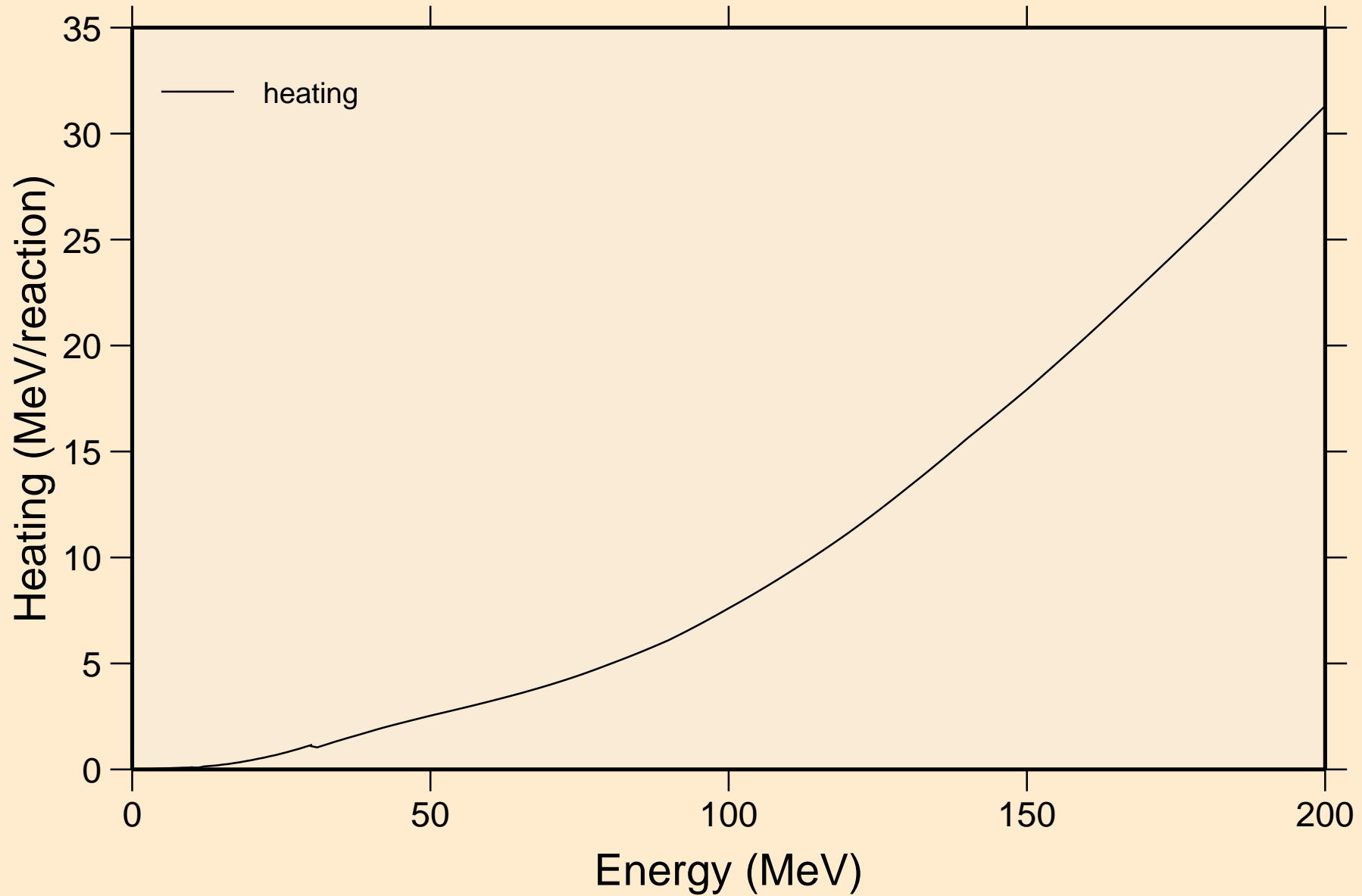


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Principal cross sections

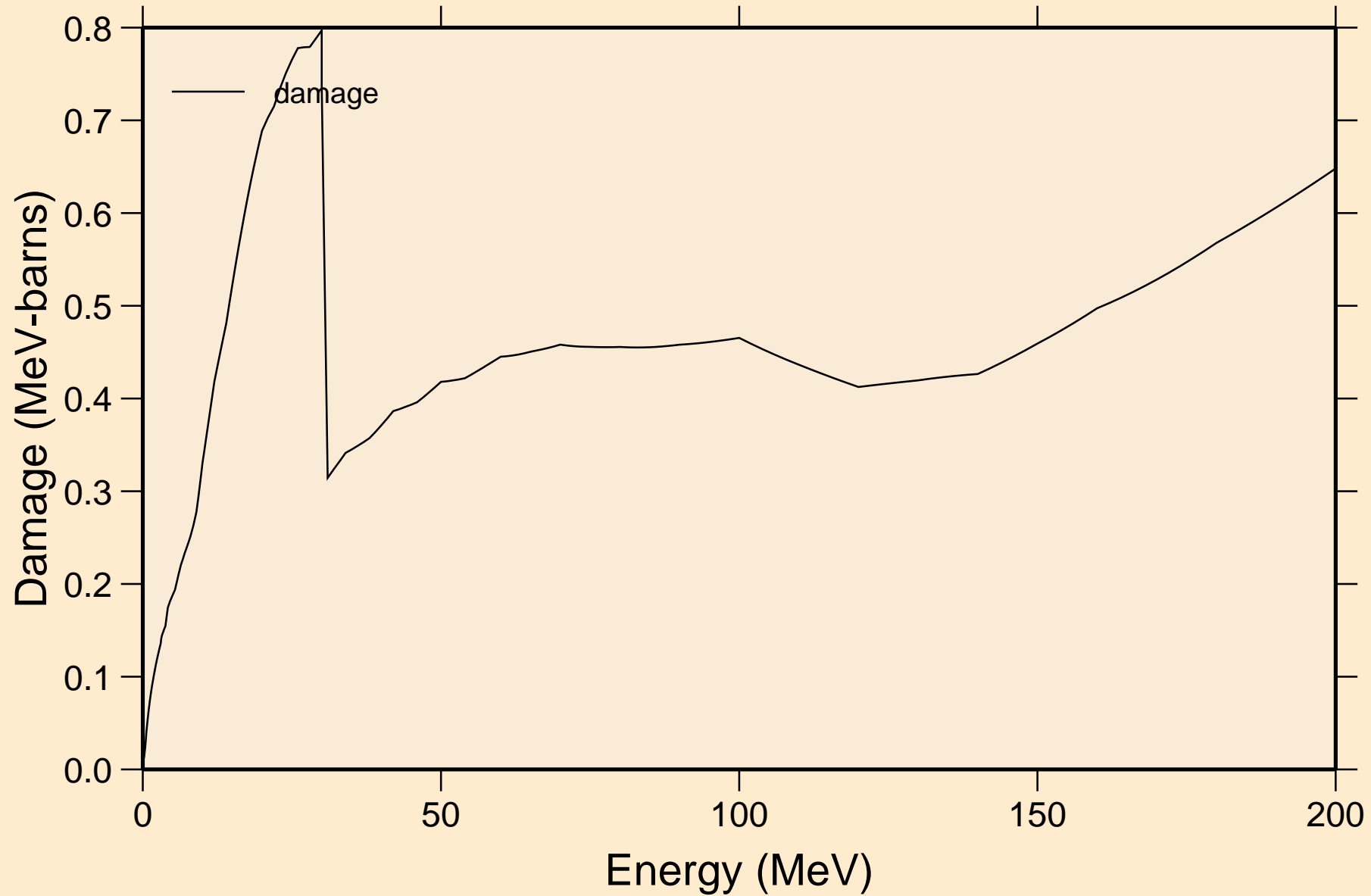


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Heating



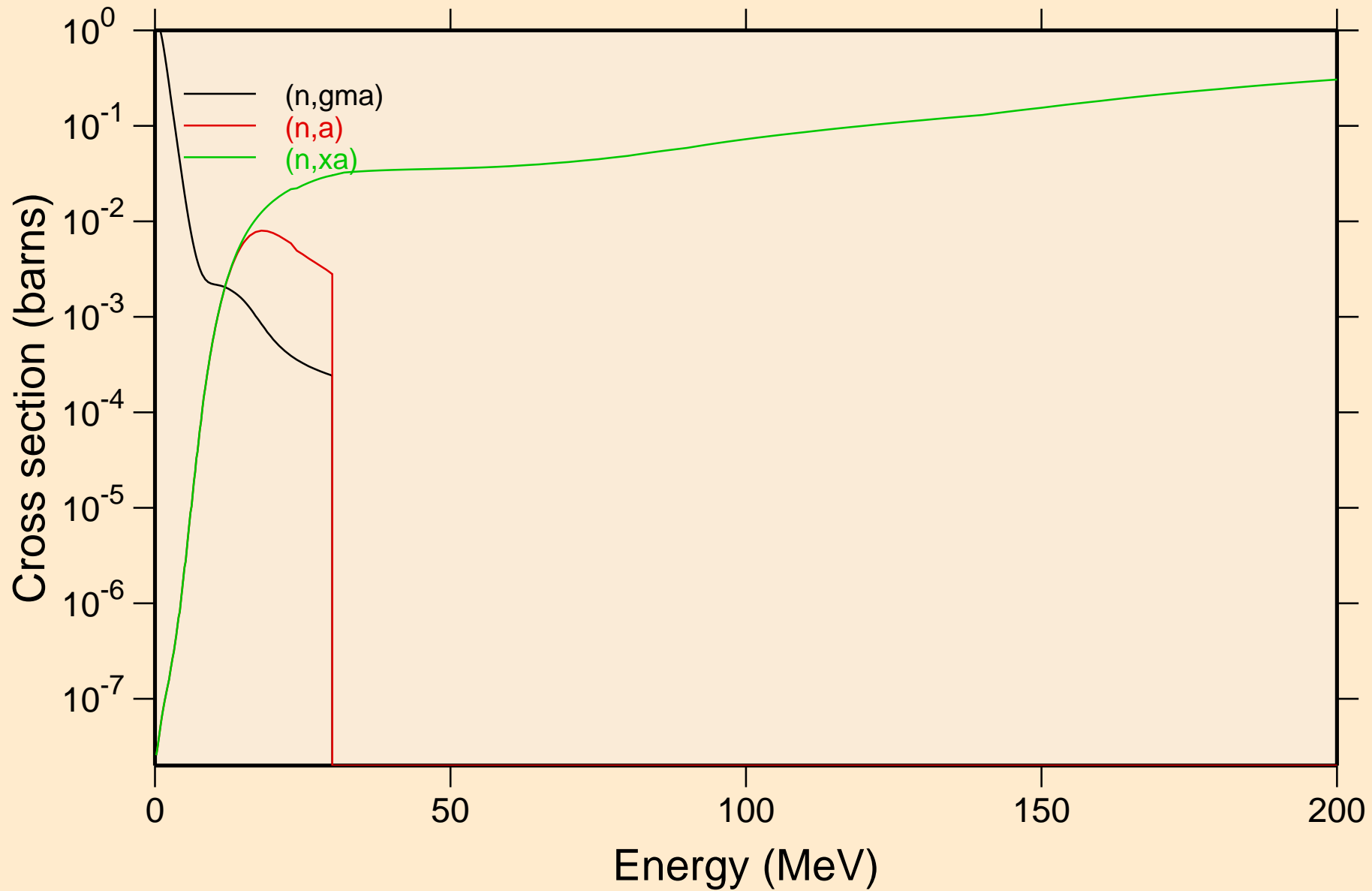
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Damage

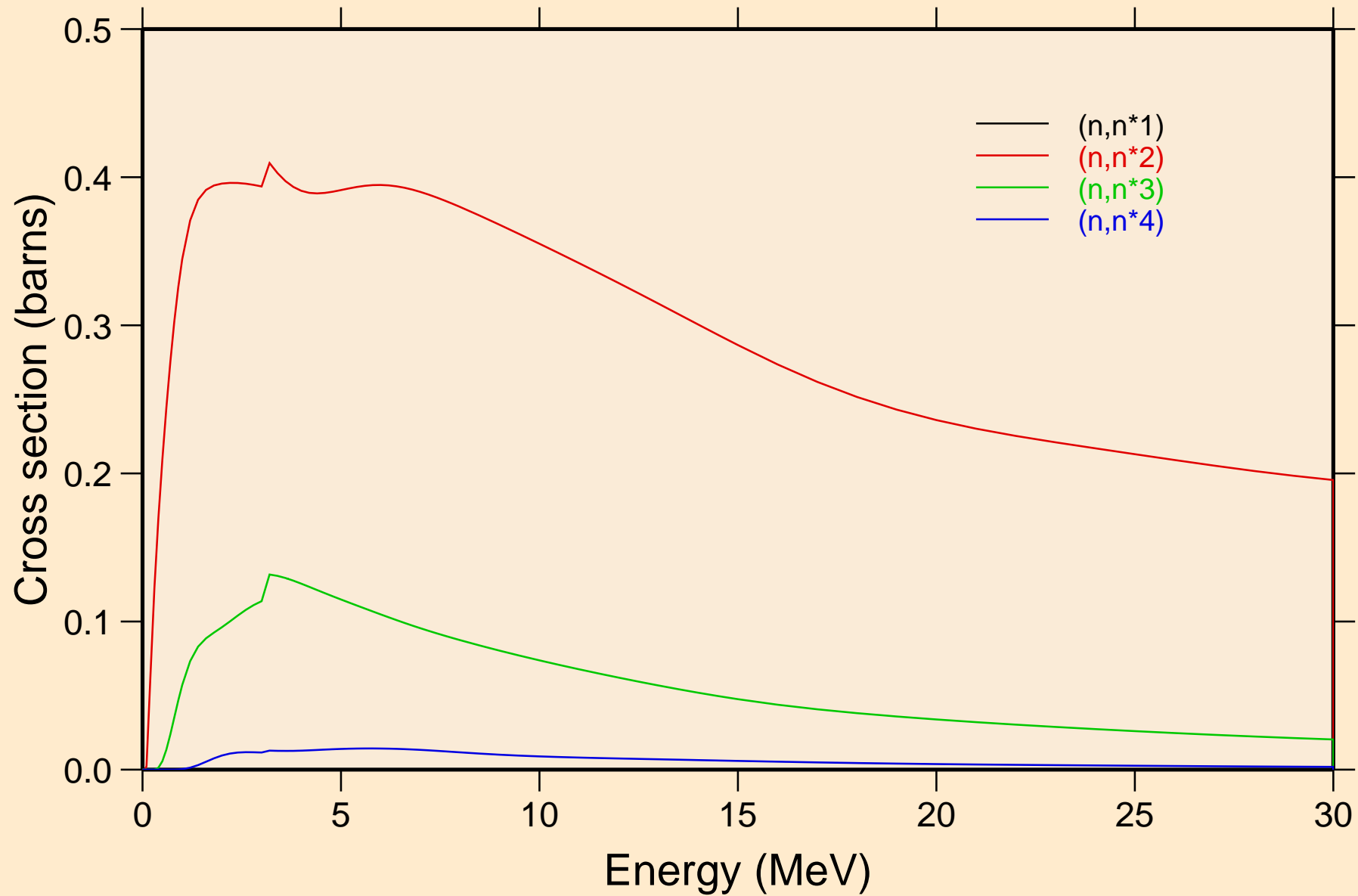


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

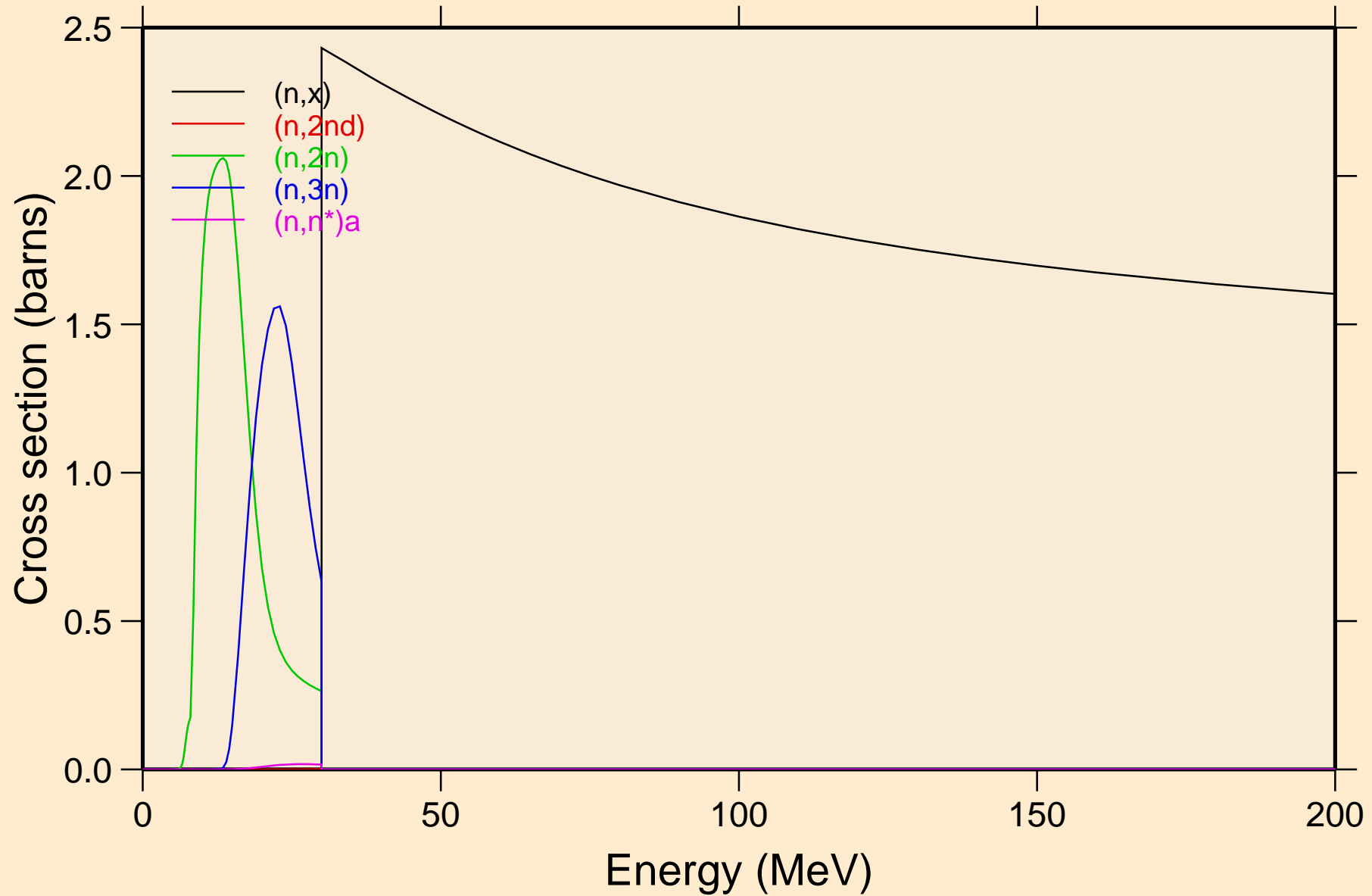
Non-threshold reactions



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Inelastic levels

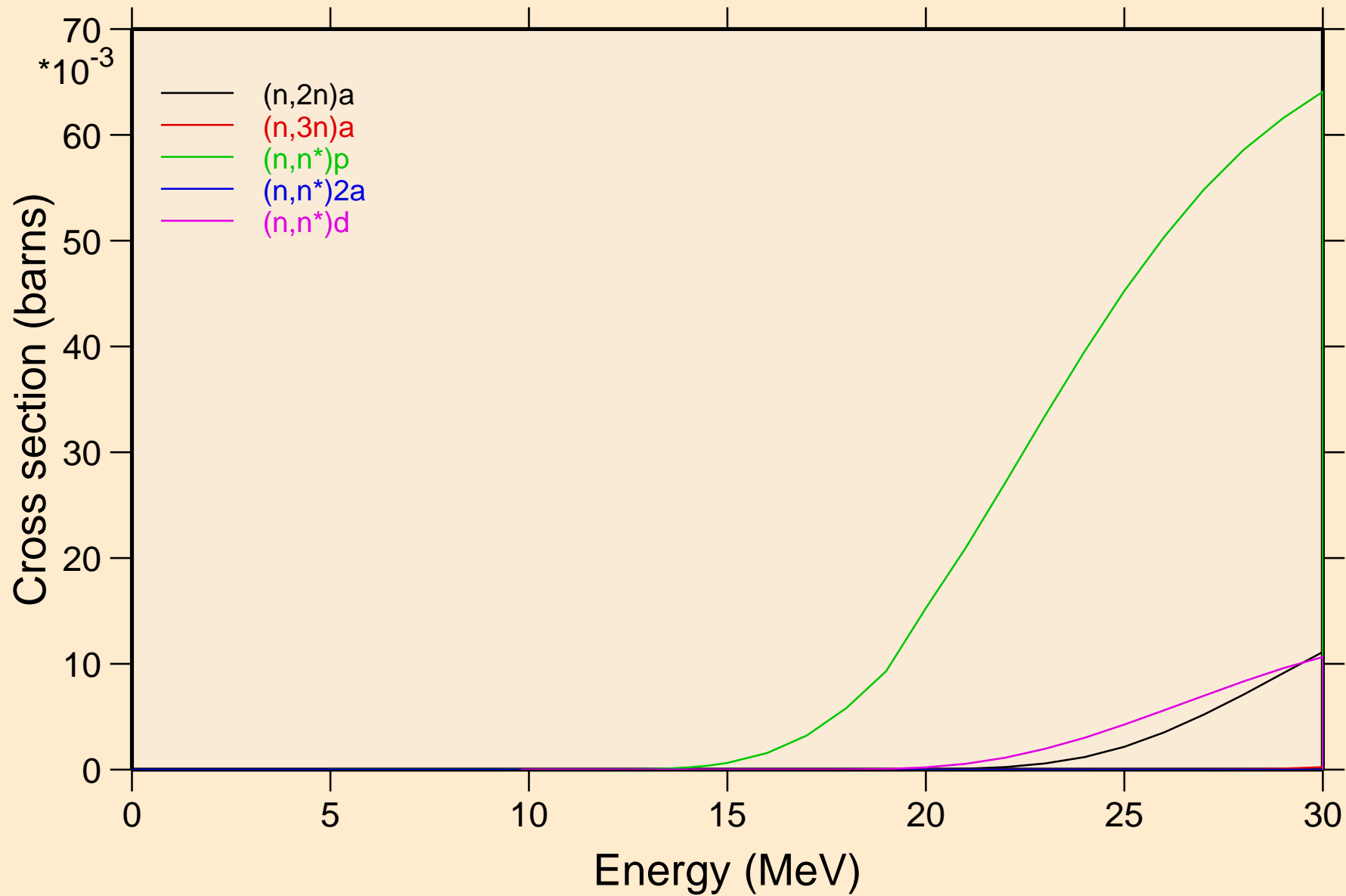


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Threshold reactions

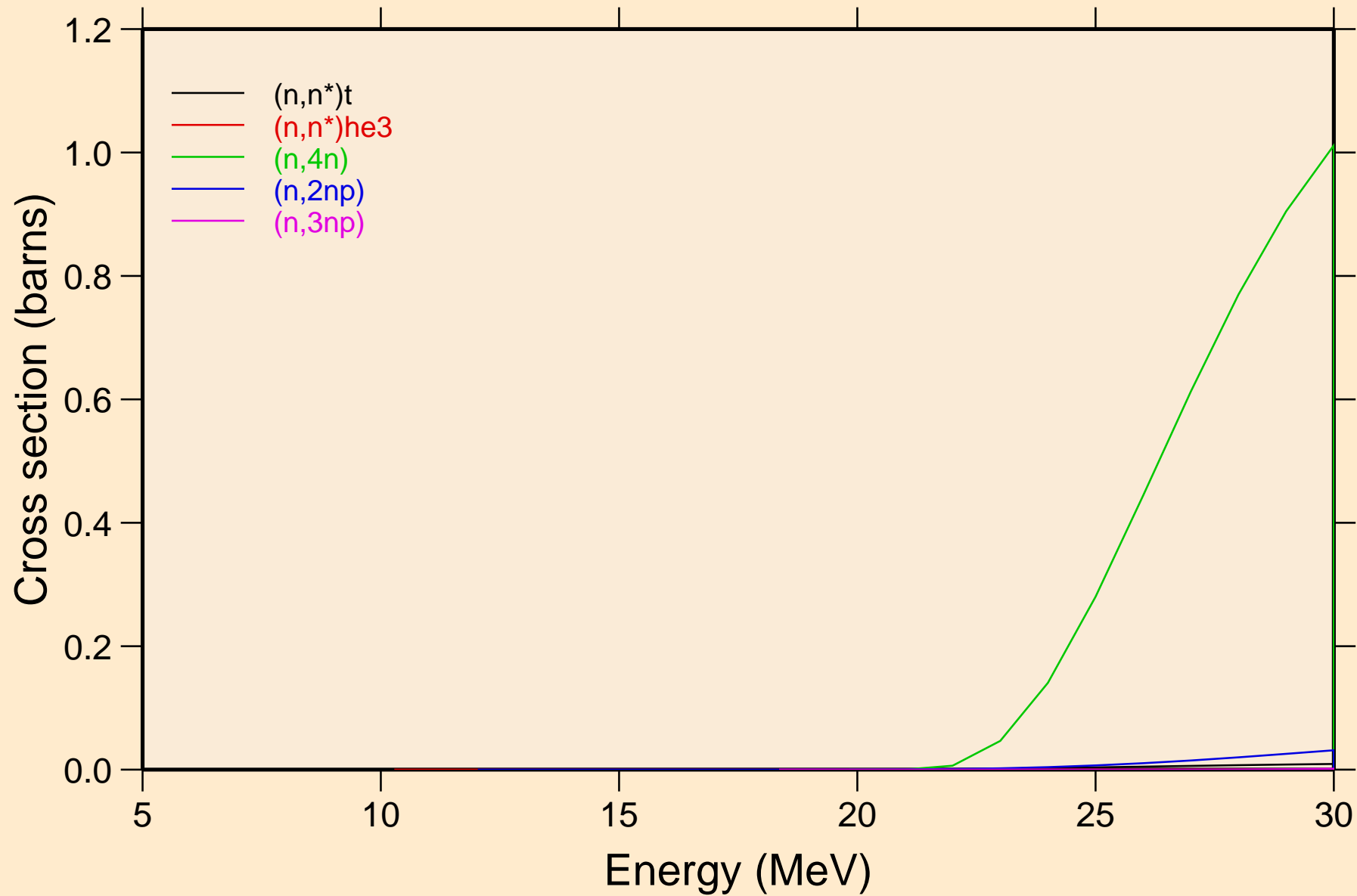


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Threshold reactions

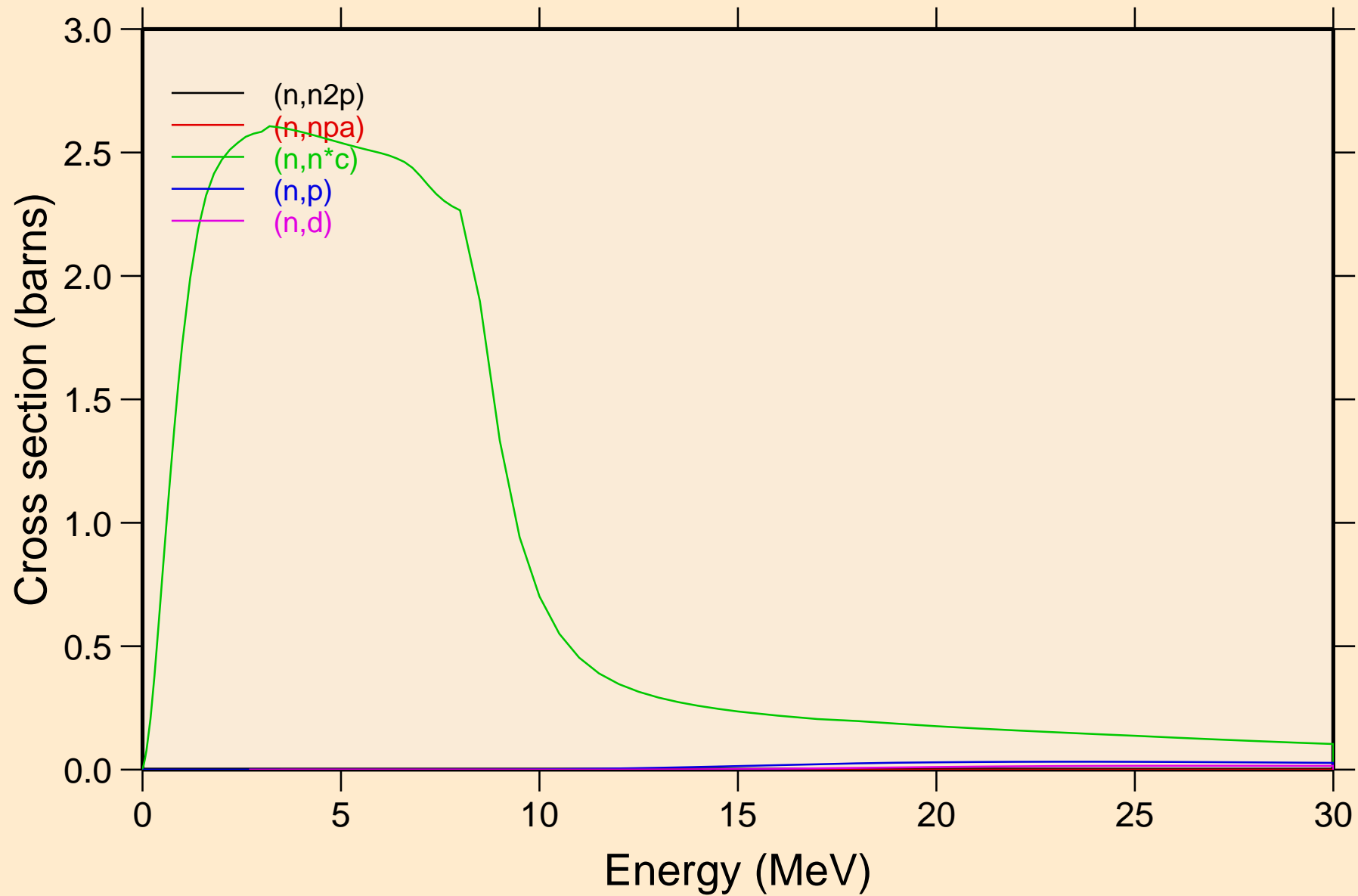


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Threshold reactions

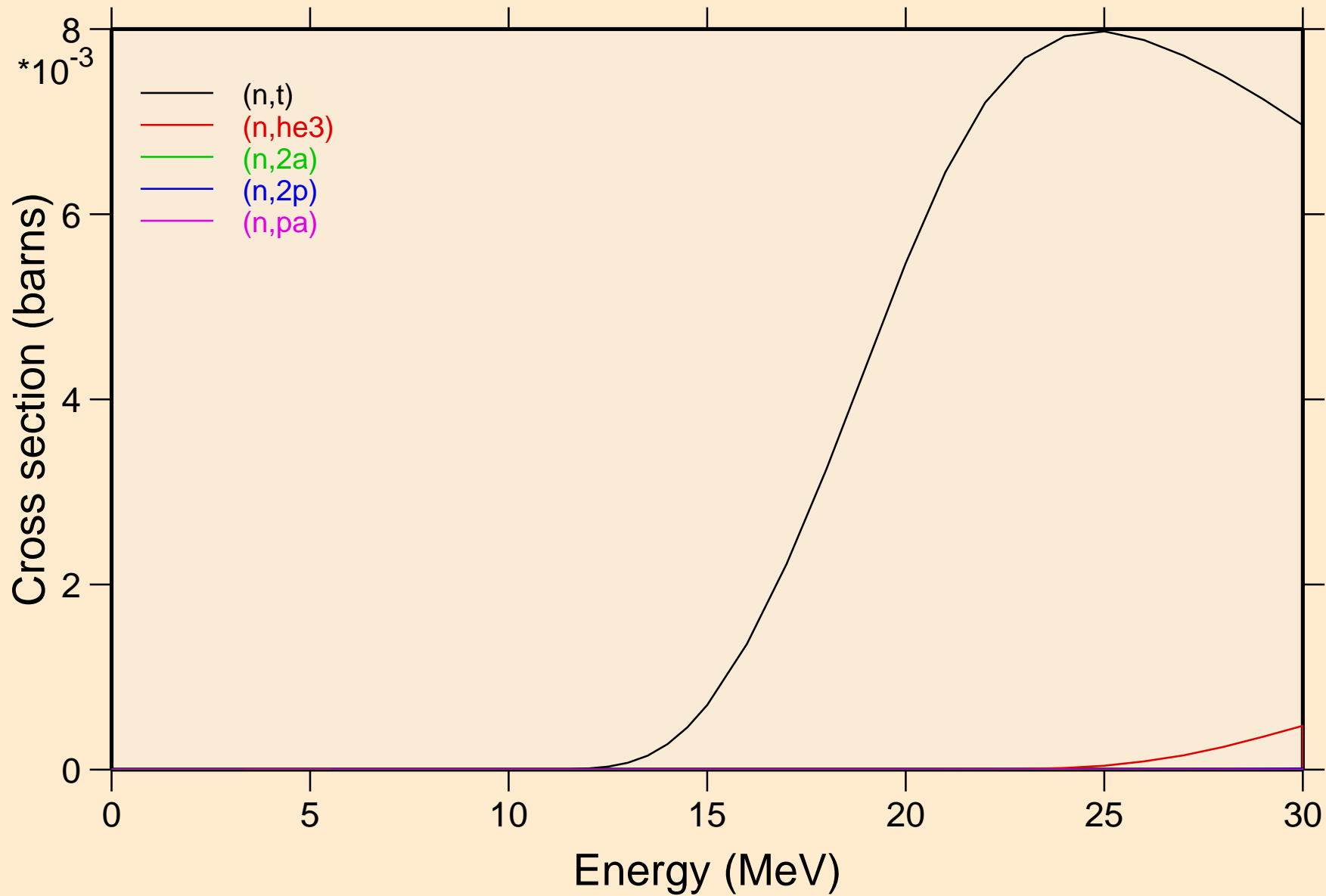


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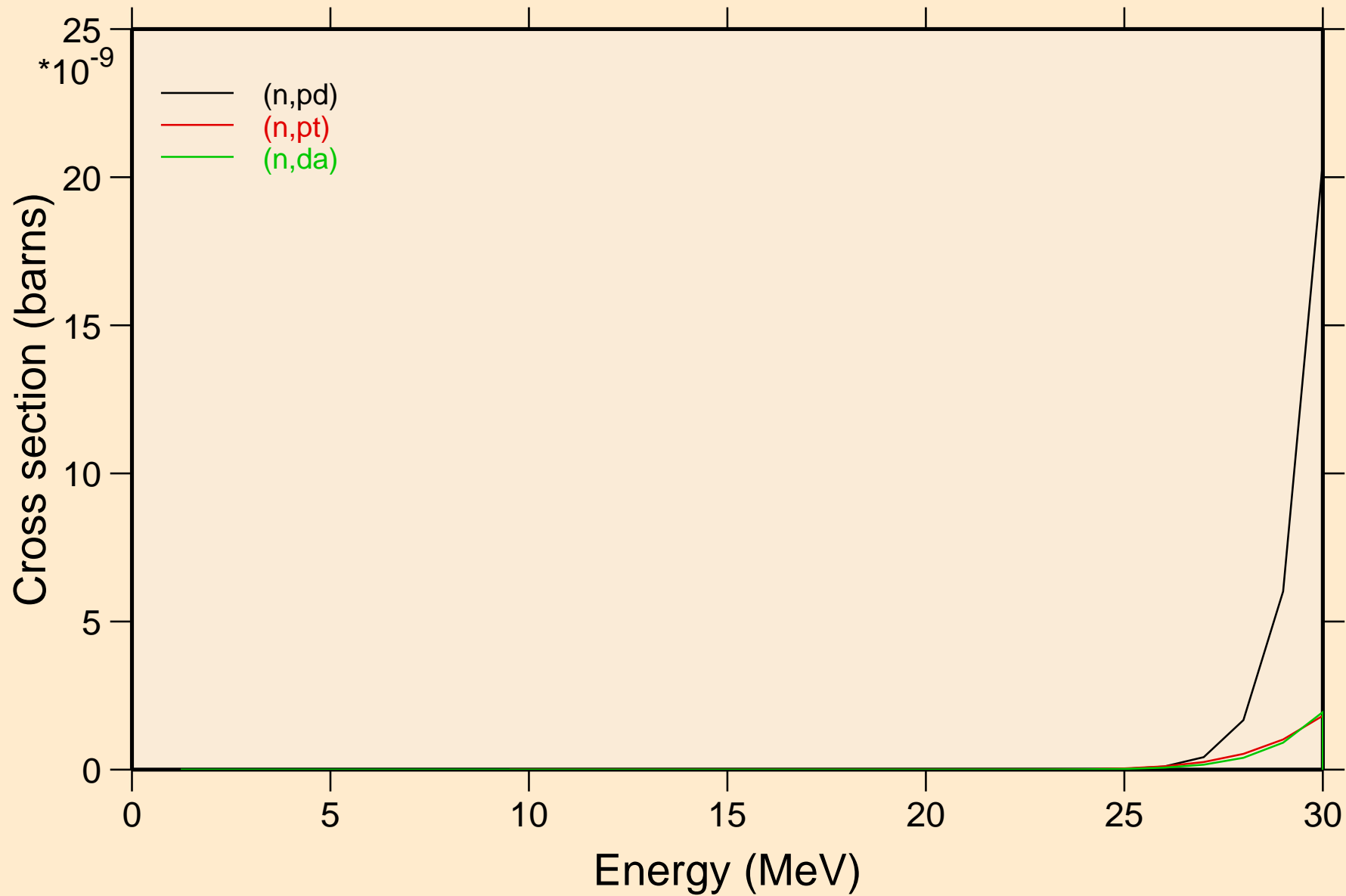
Threshold reactions



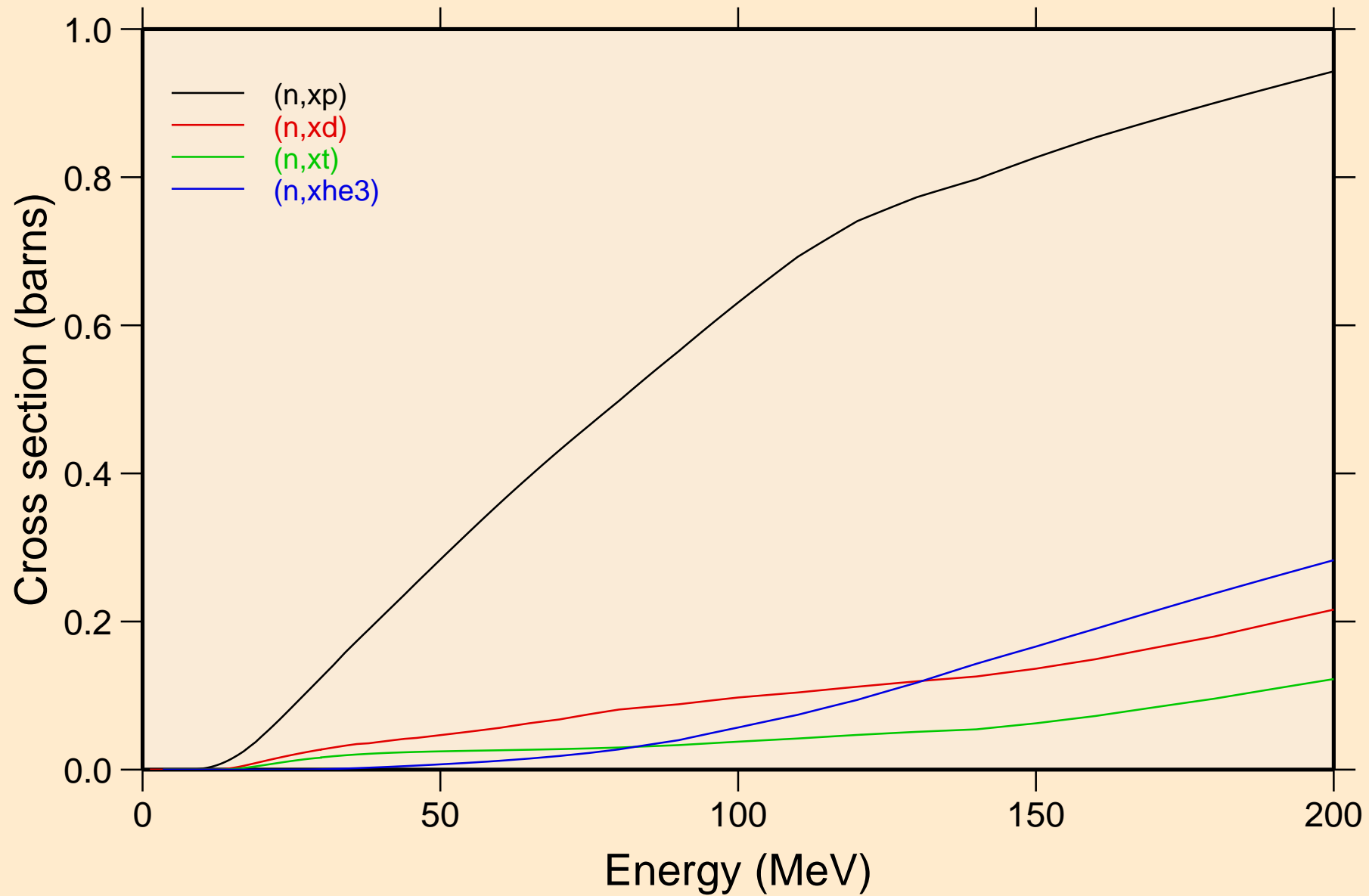
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Threshold reactions



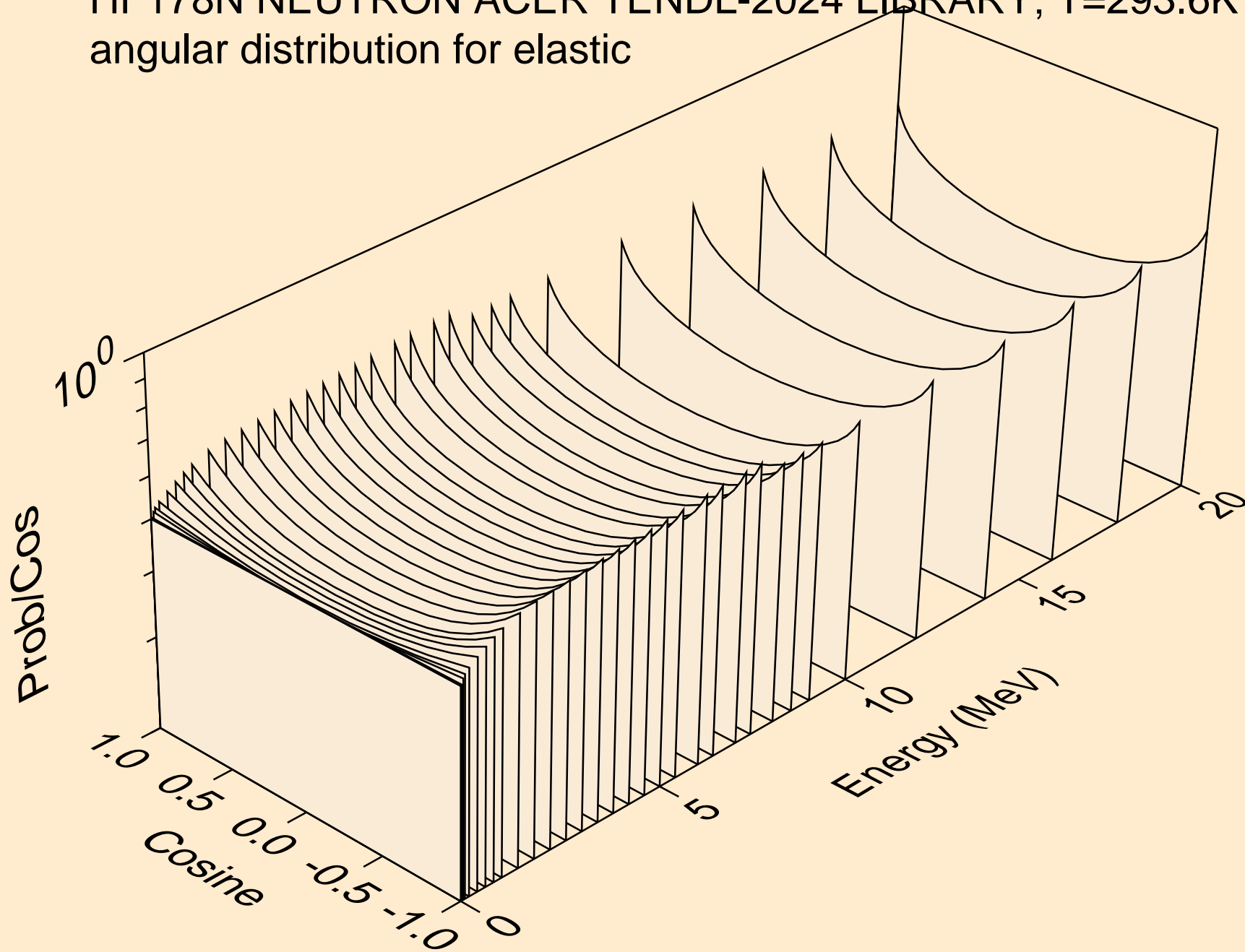
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Threshold reactions



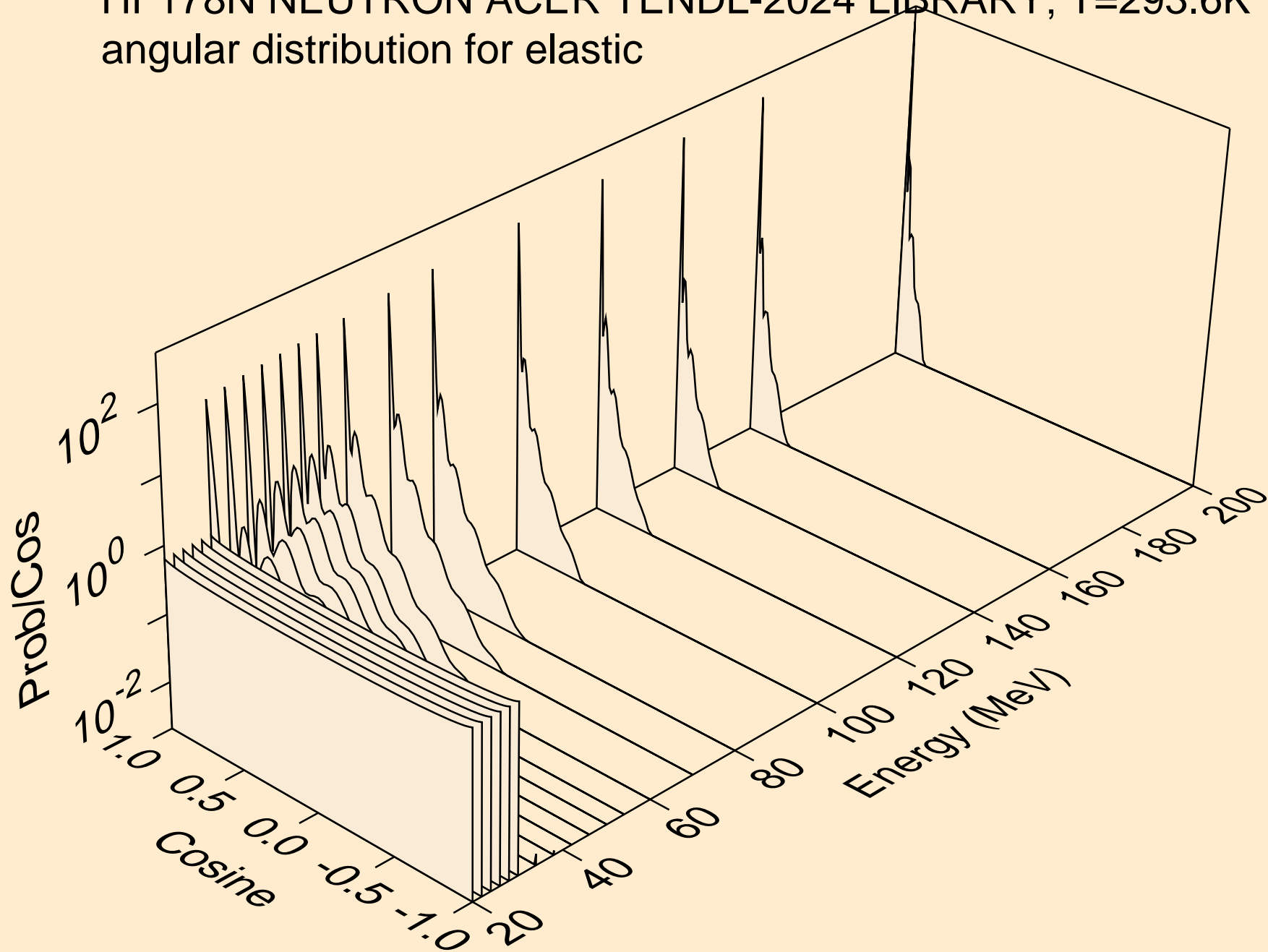
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Threshold reactions



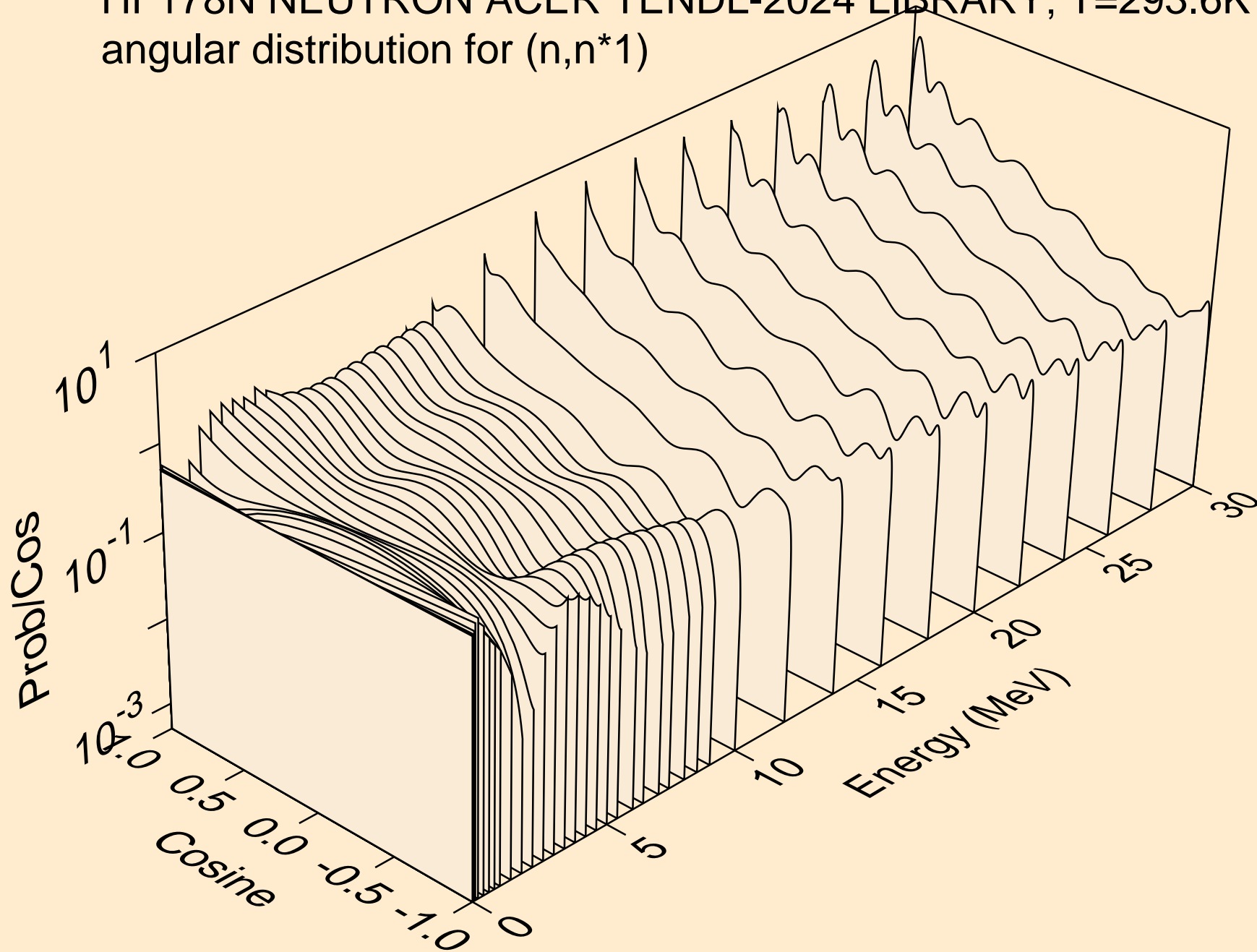
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angular distribution for elastic



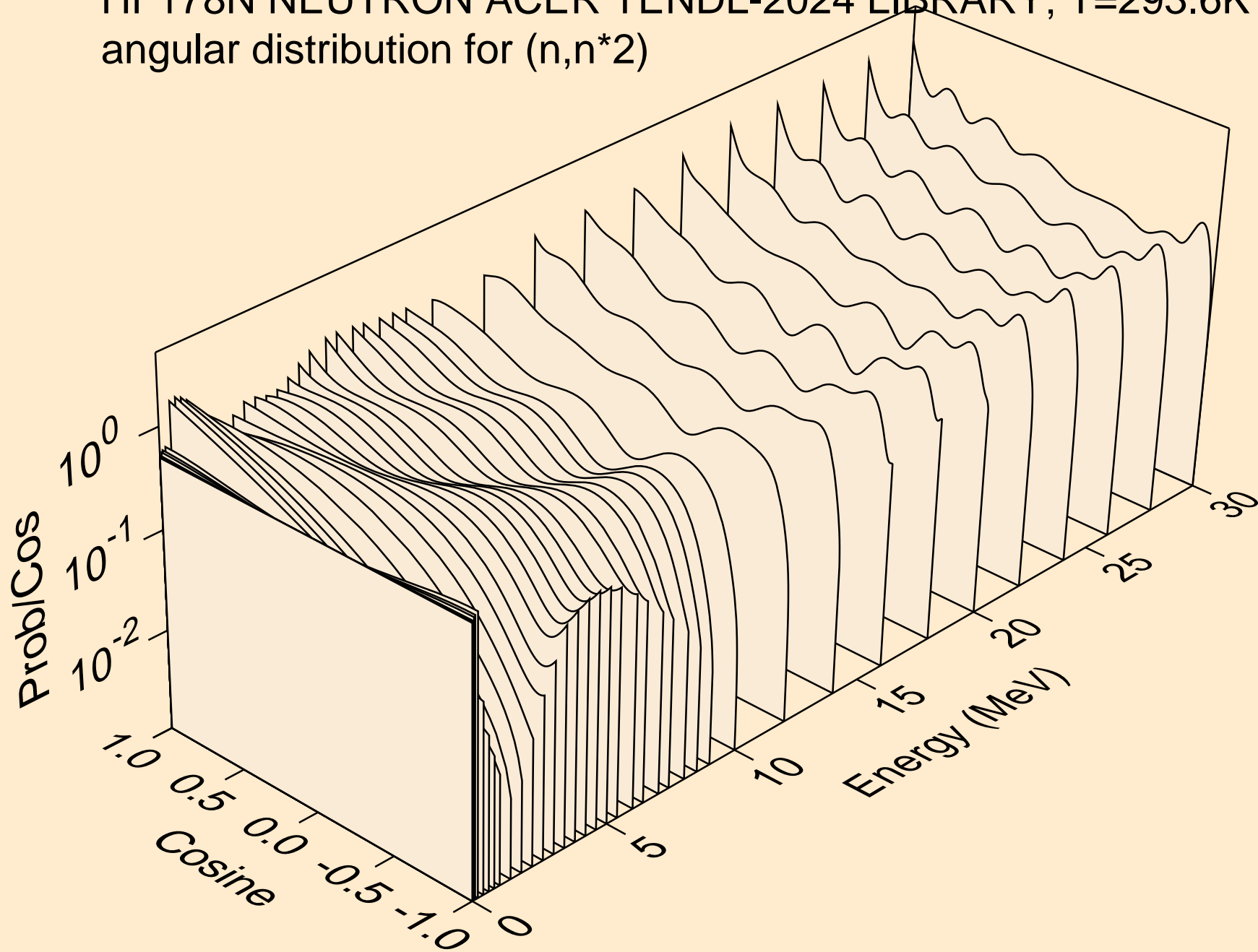
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angular distribution for elastic



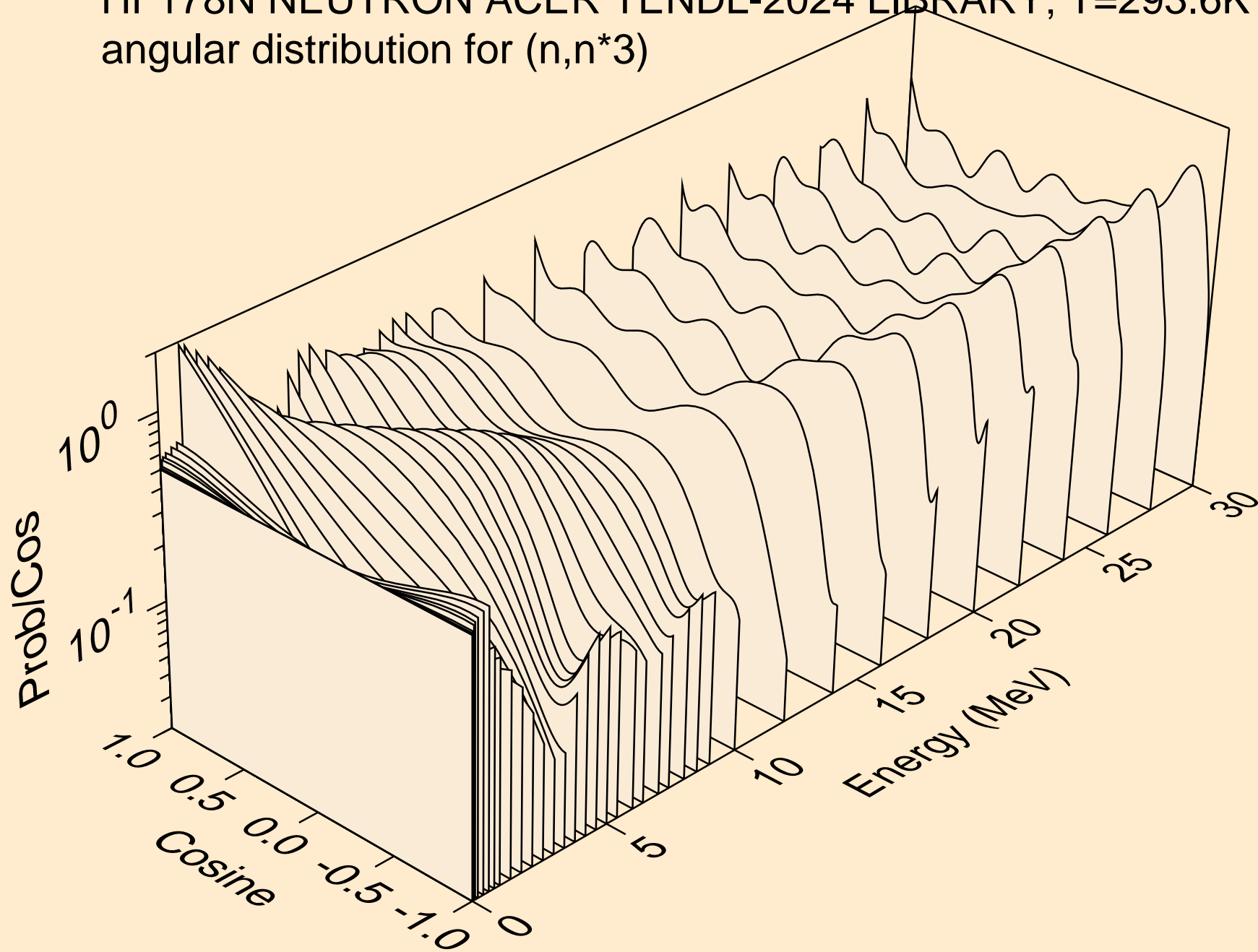
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*1)



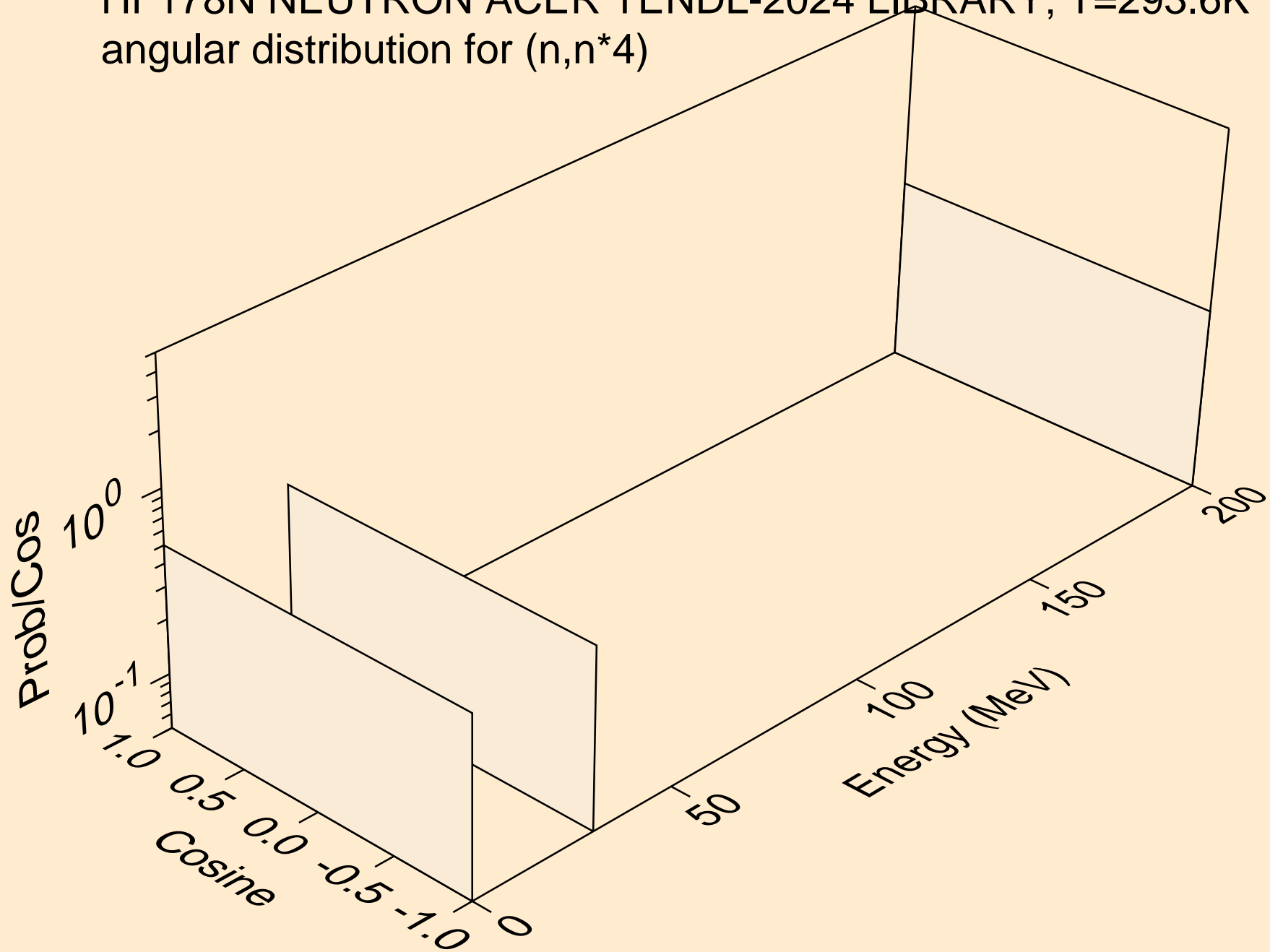
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angular distribution for (n,n*2)



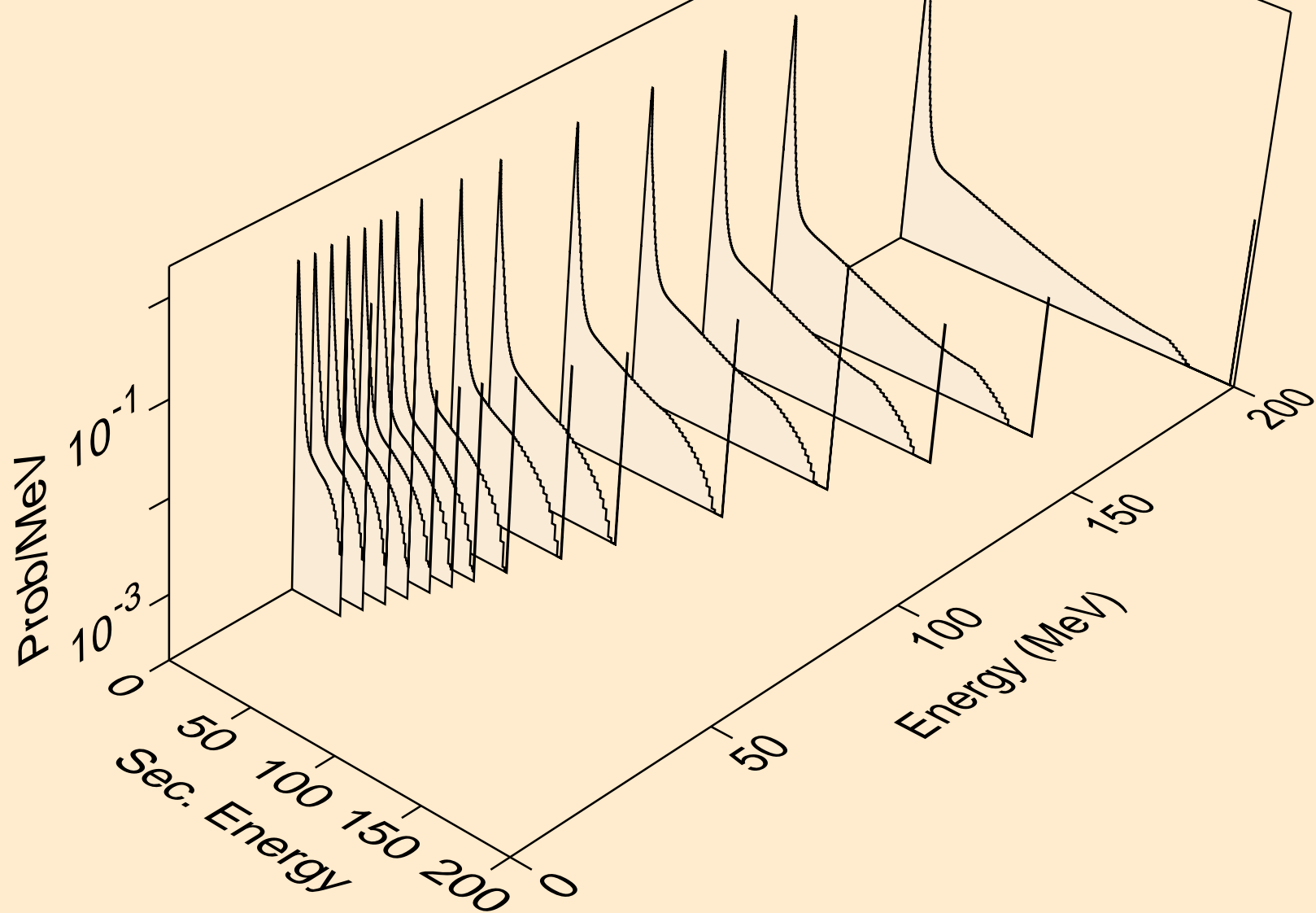
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
angular distribution for (n,n*3)



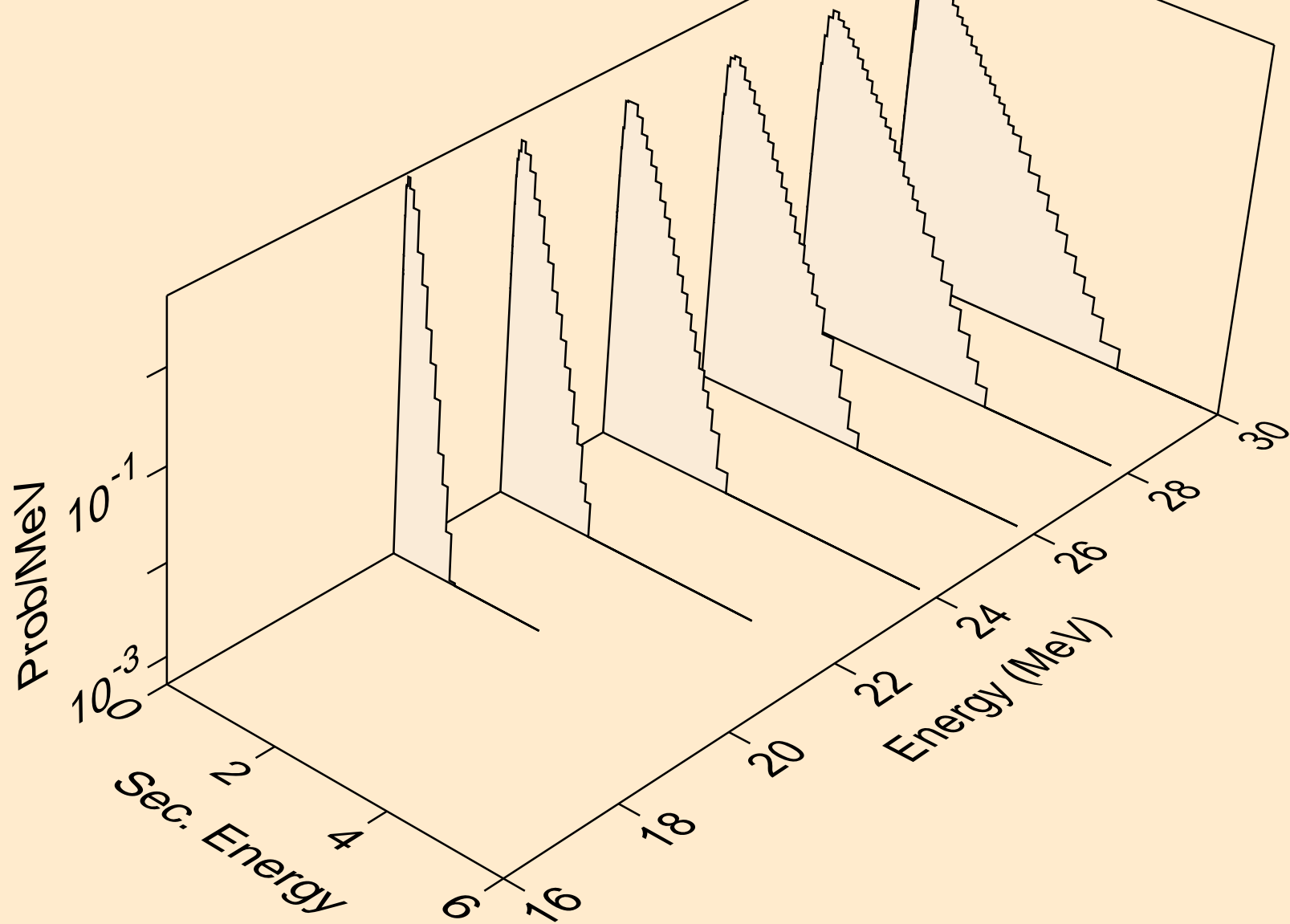
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angular distribution for (n,n*4)



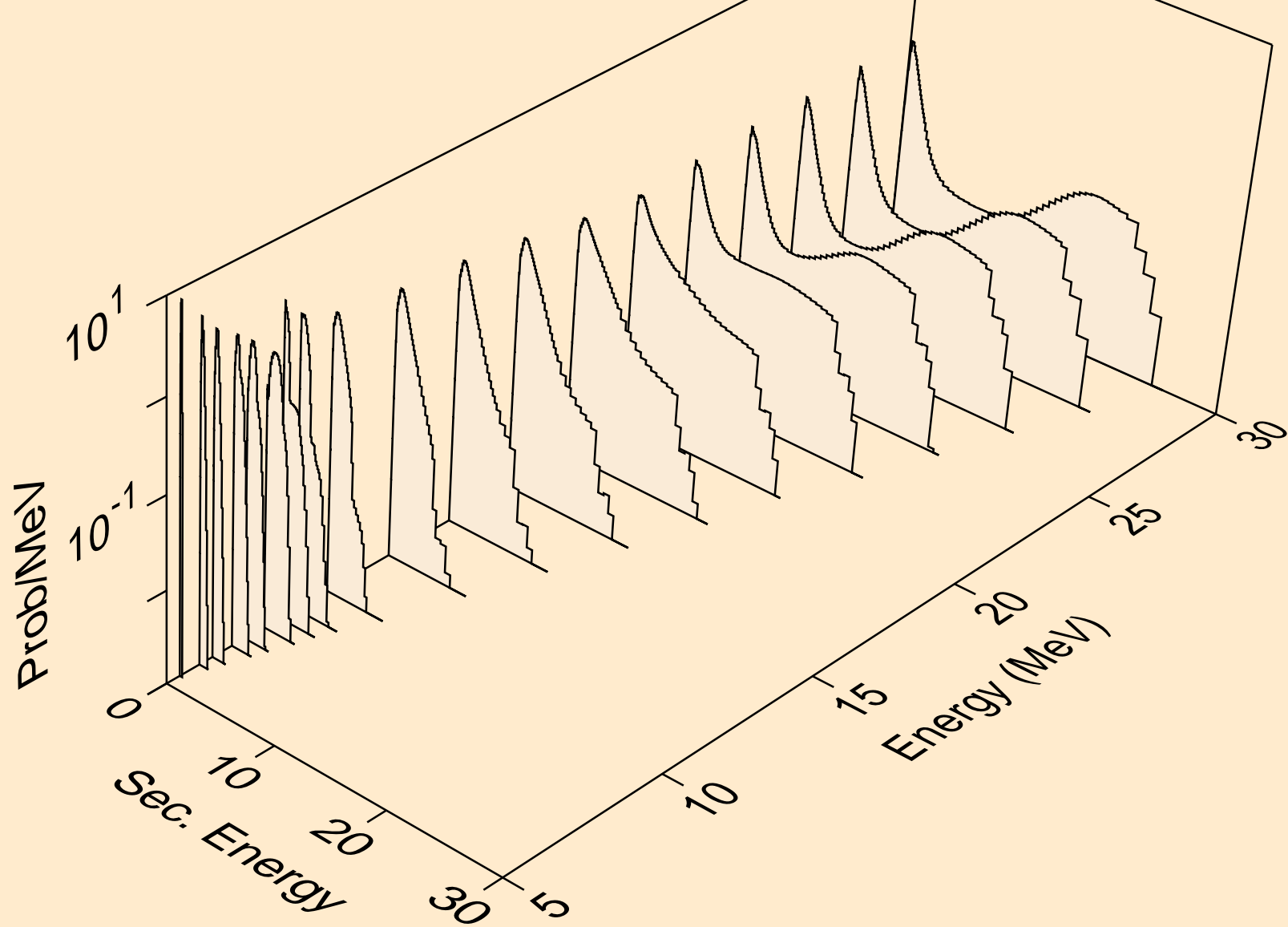
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,x)



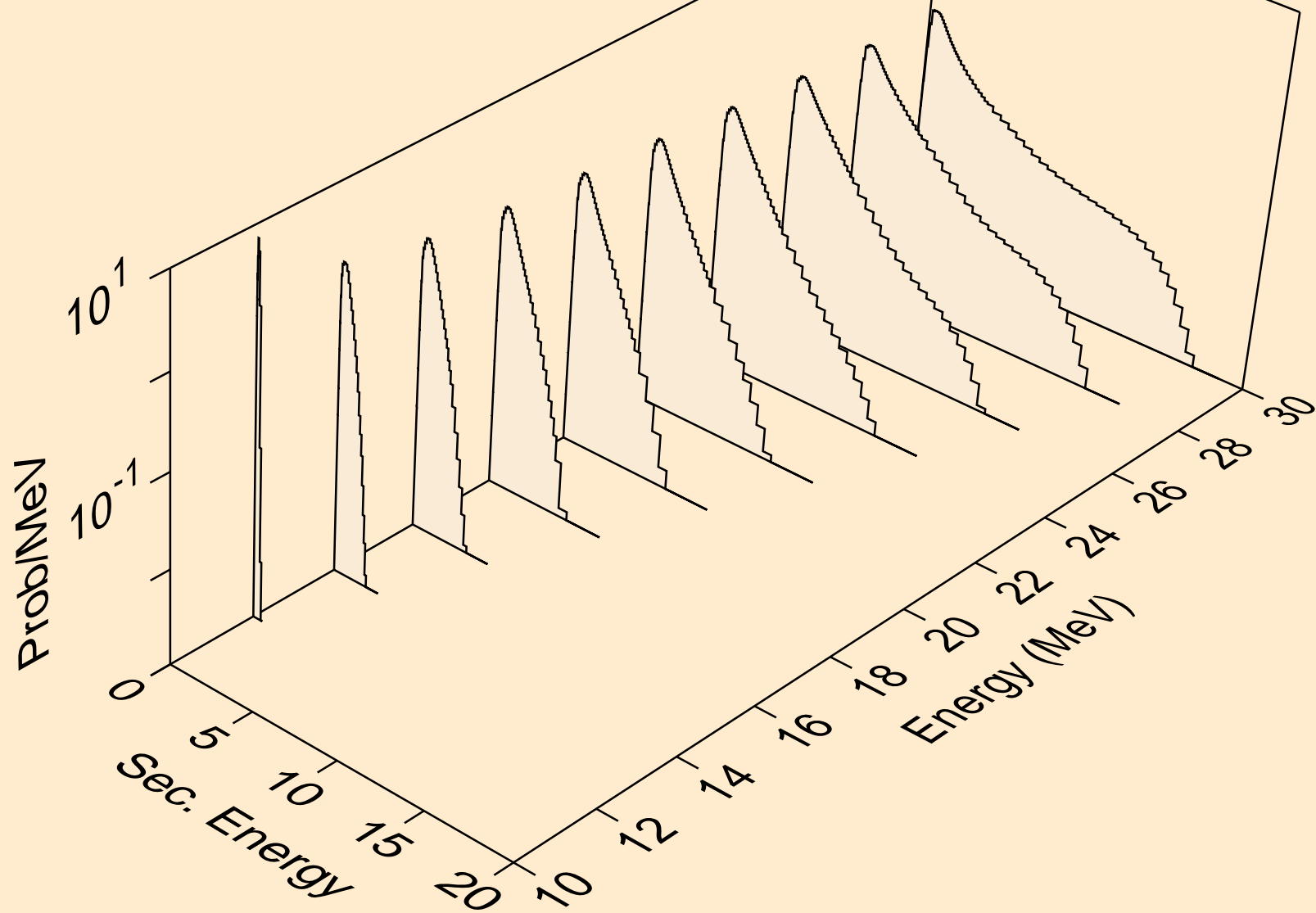
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Neutron emission for (n,2nd)



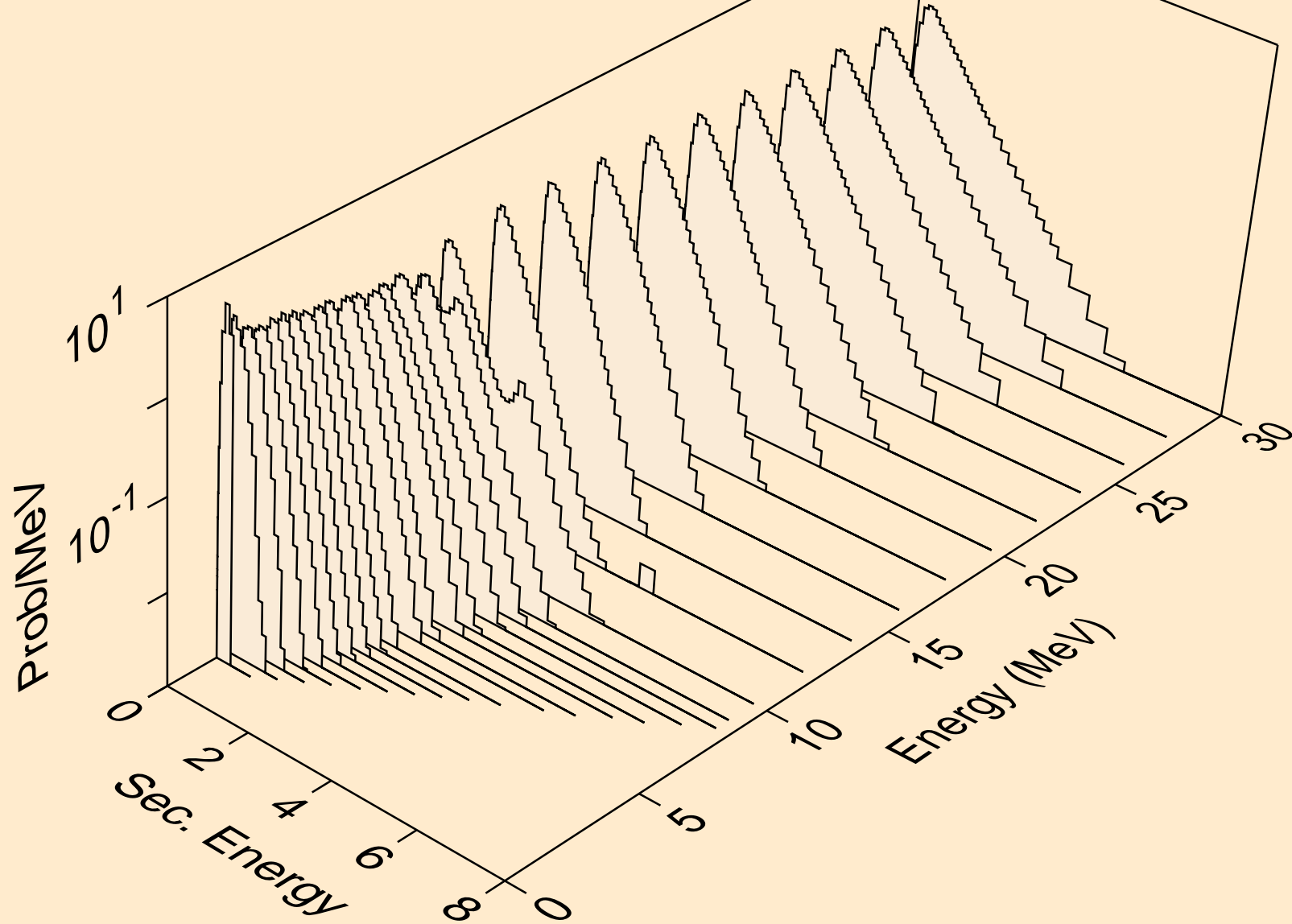
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Neutron emission for (n,2n)



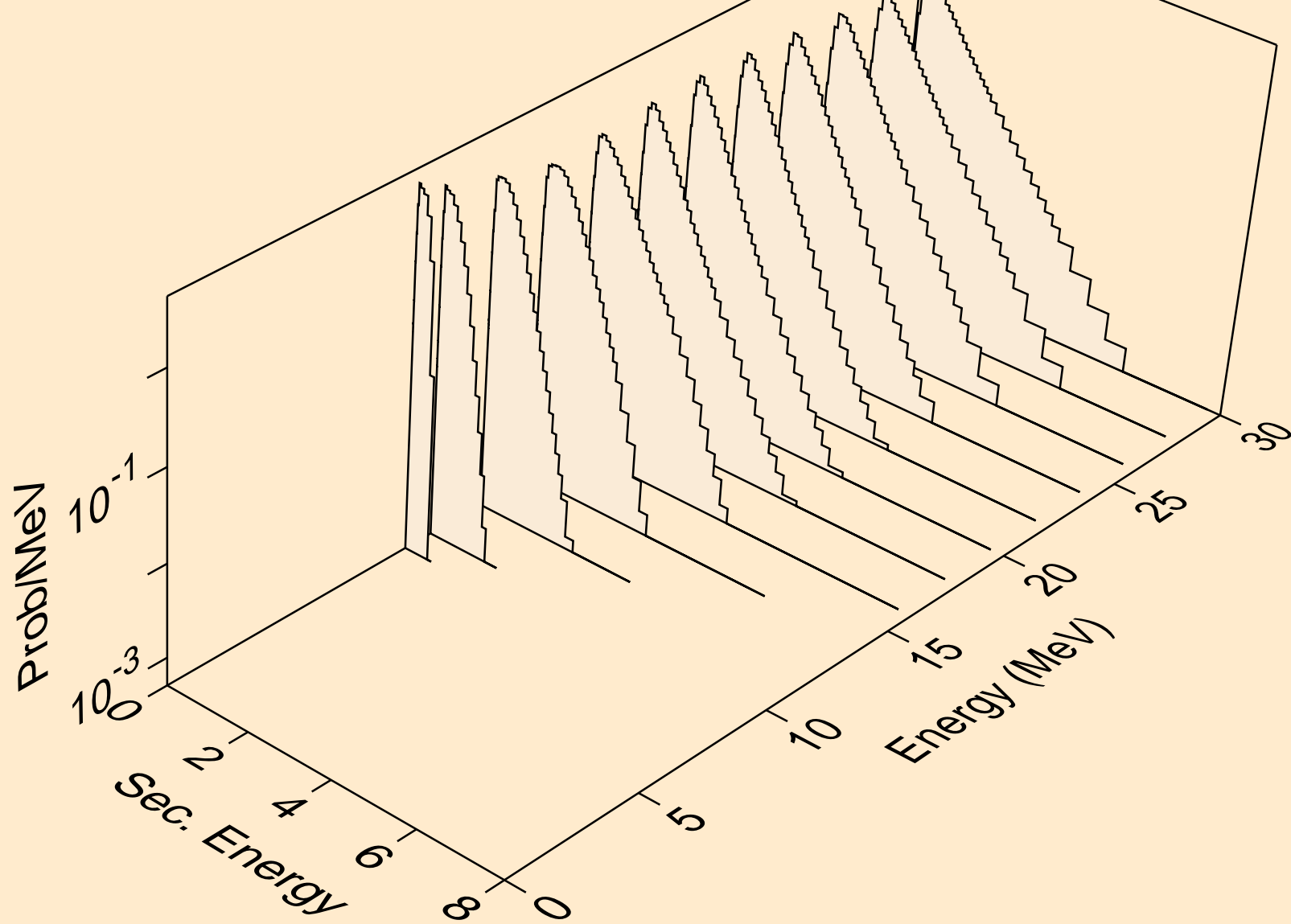
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Neutron emission for (n,3n)



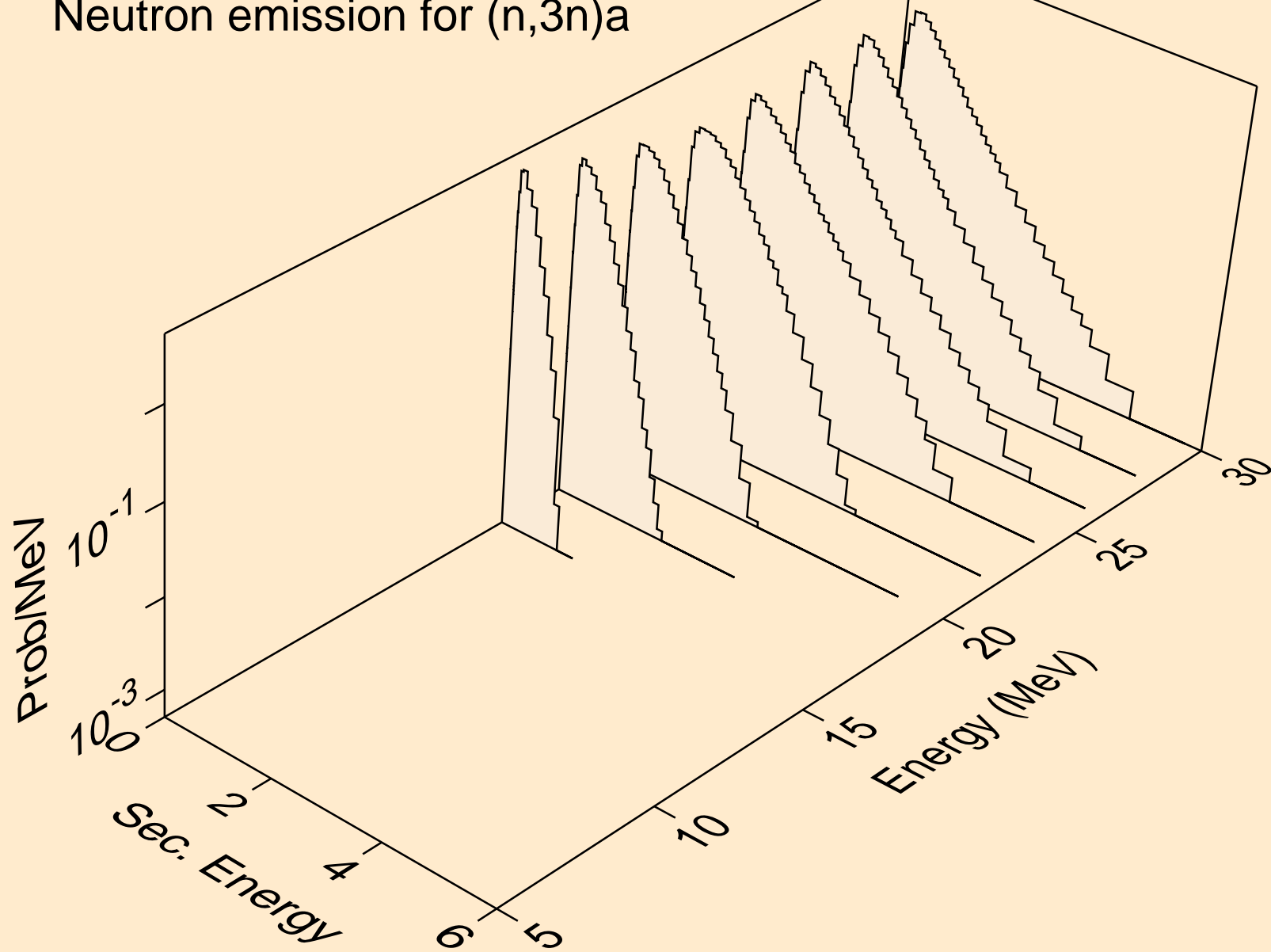
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Neutron emission for (n,n*)a



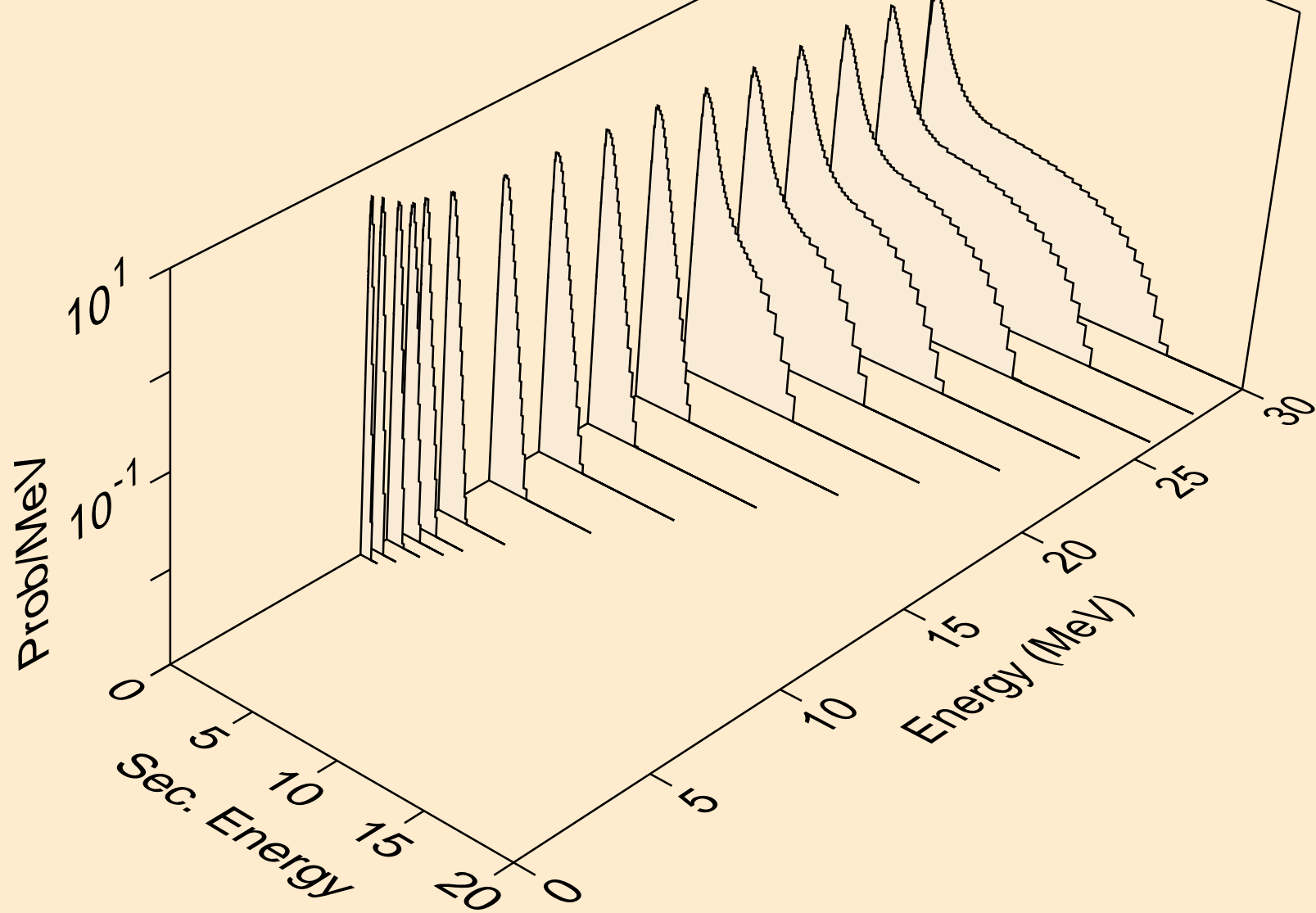
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Neutron emission for (n,2n)a



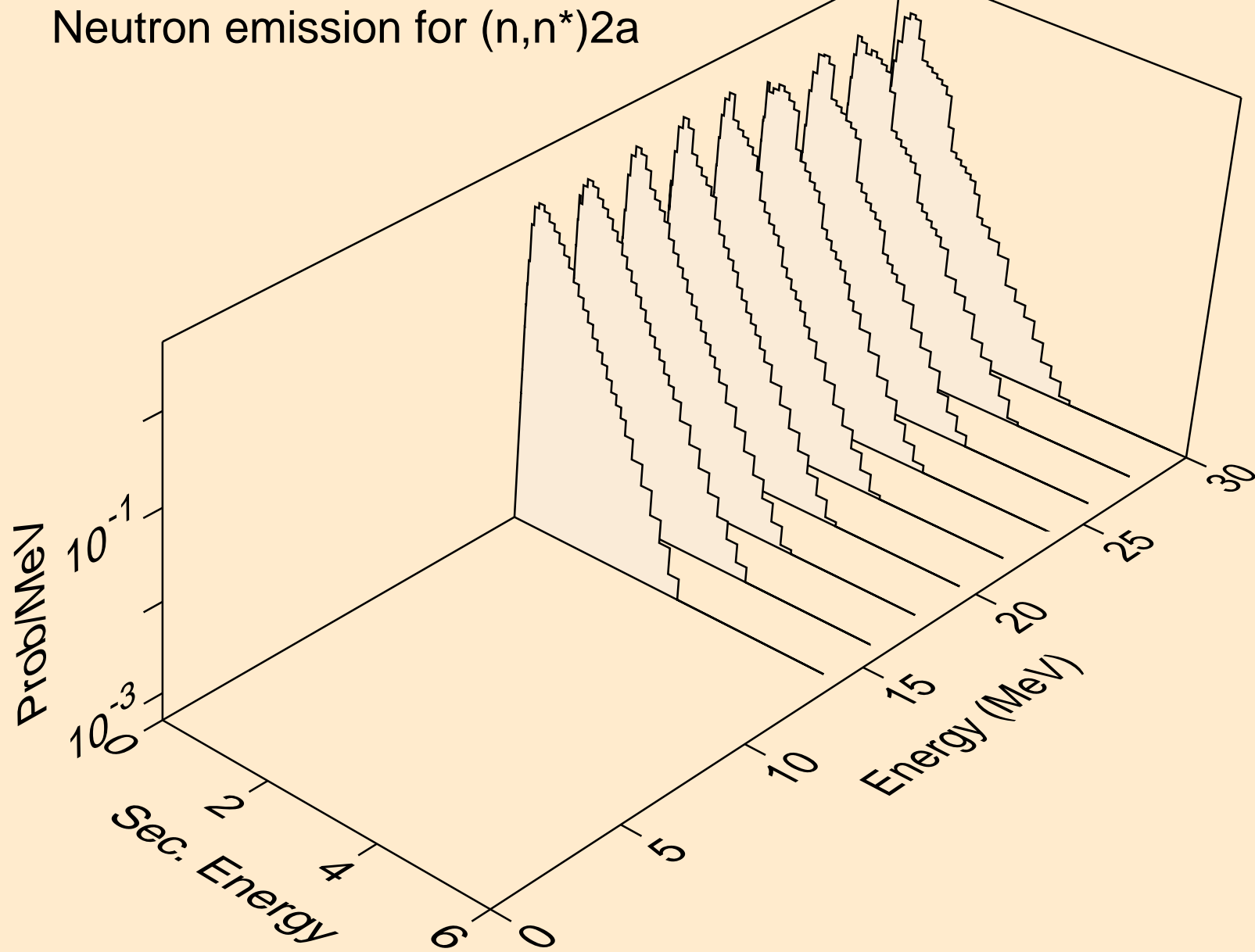
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Neutron emission for (n,3n)a



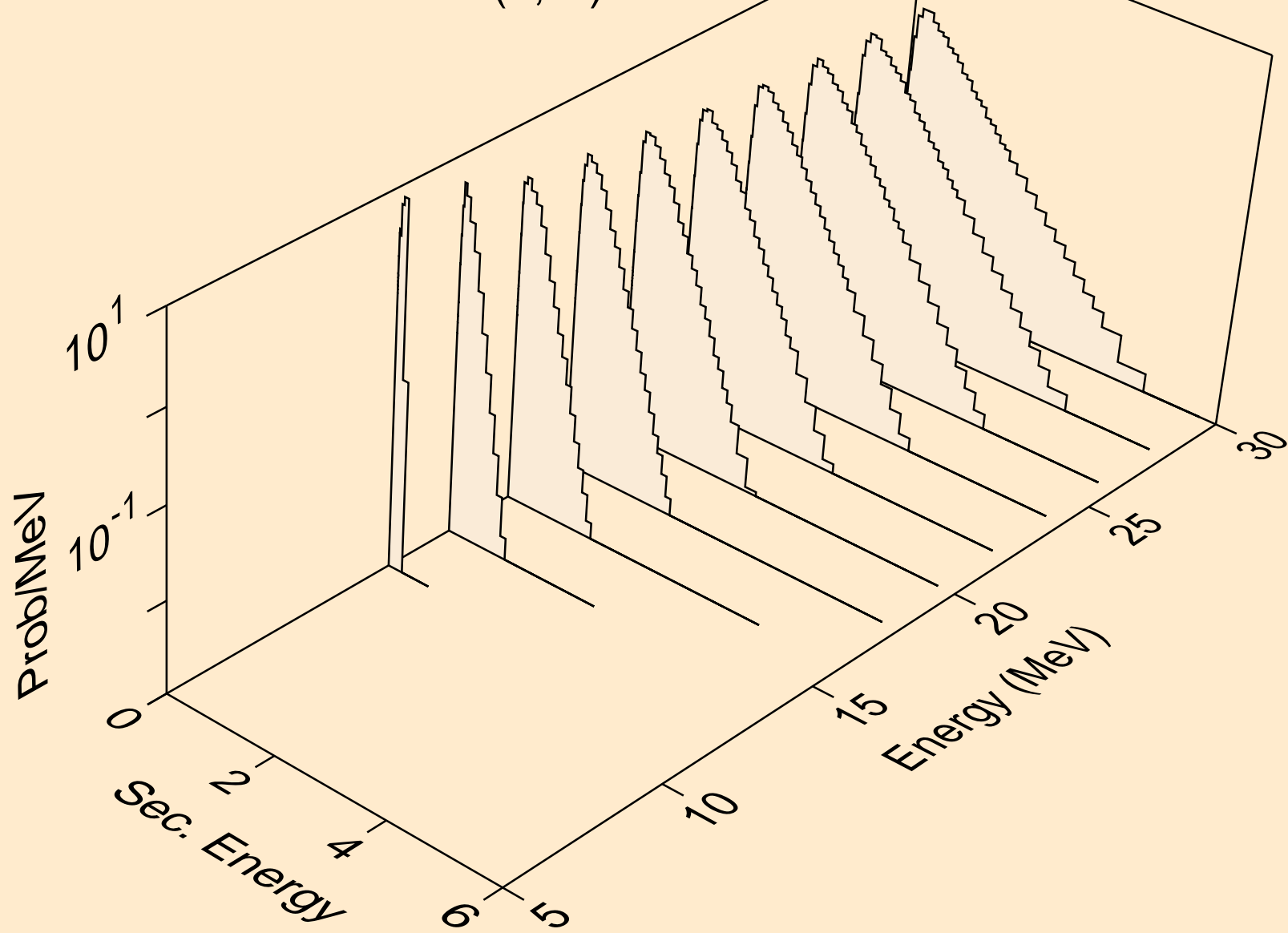
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Neutron emission for (n,n*)p



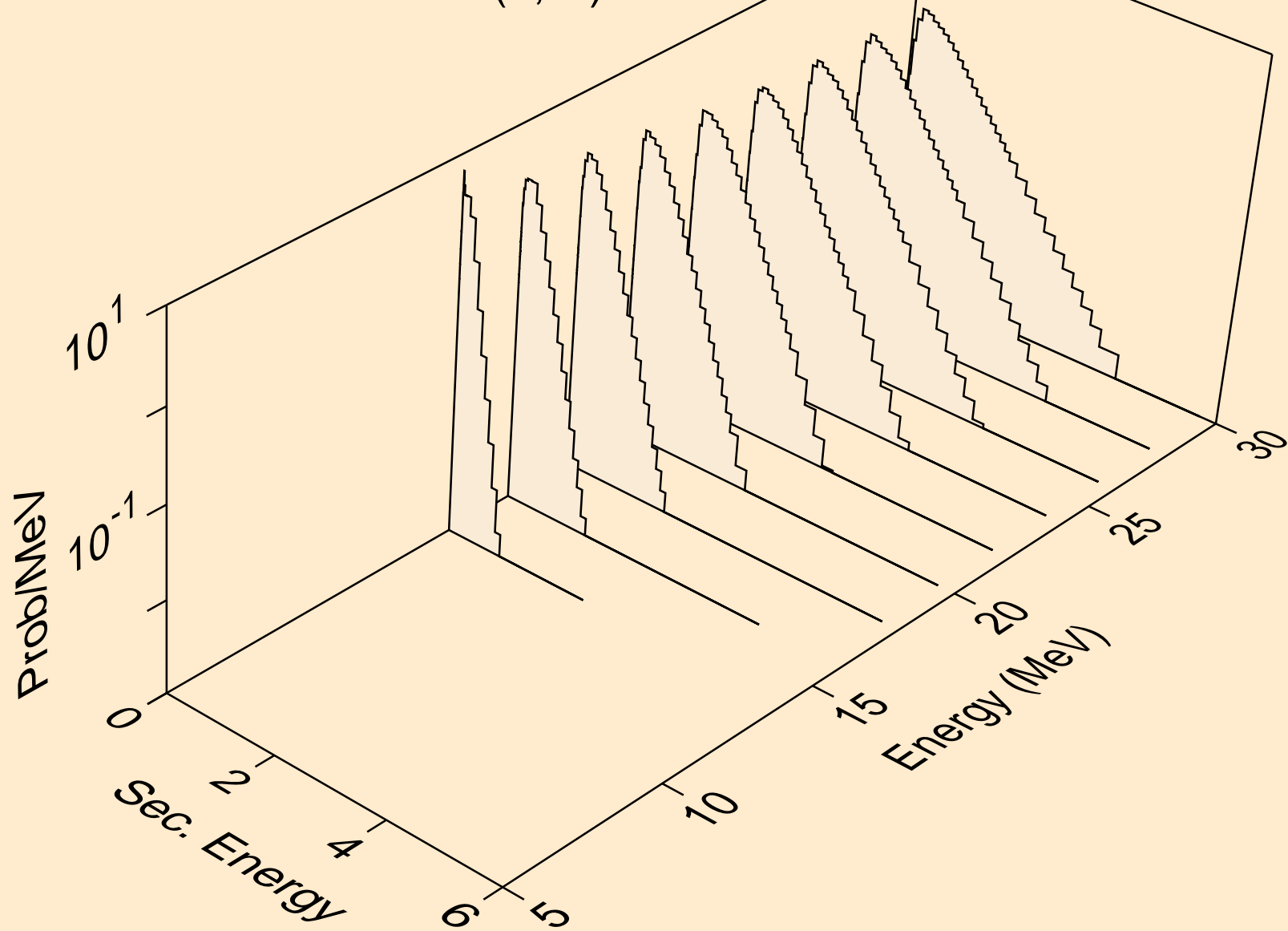
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Neutron emission for (n,n*)2a



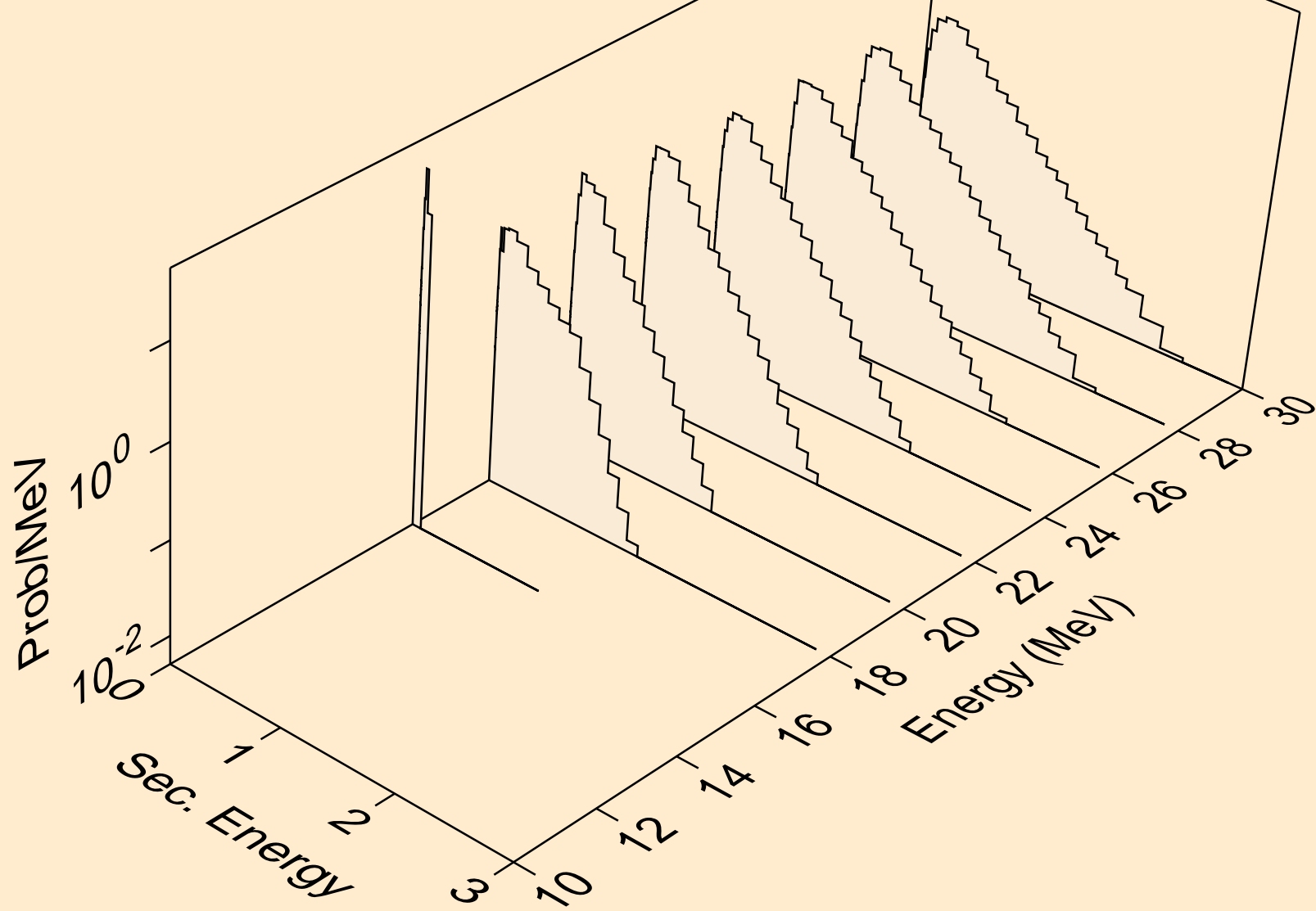
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)d



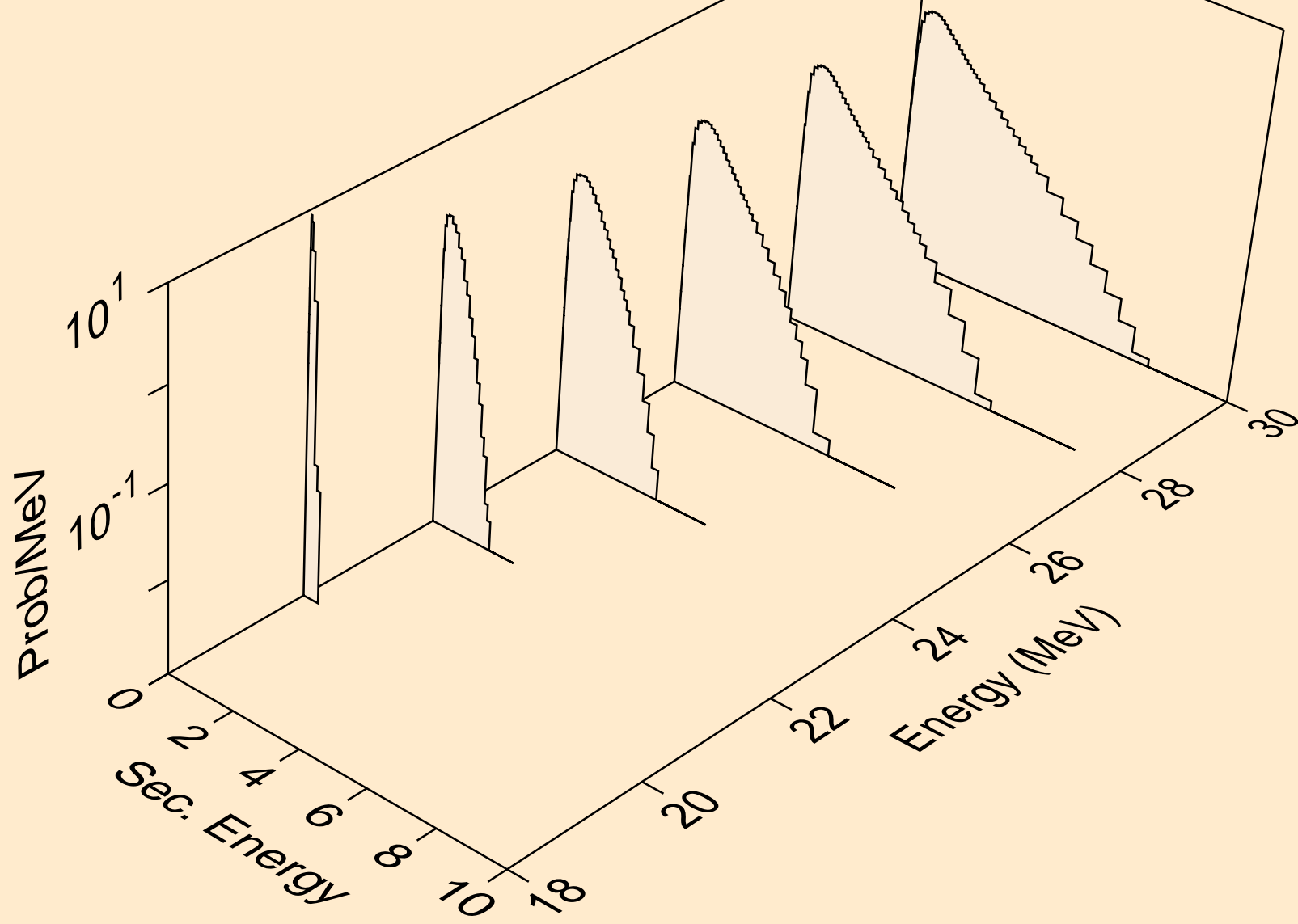
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Neutron emission for (n,n*)t



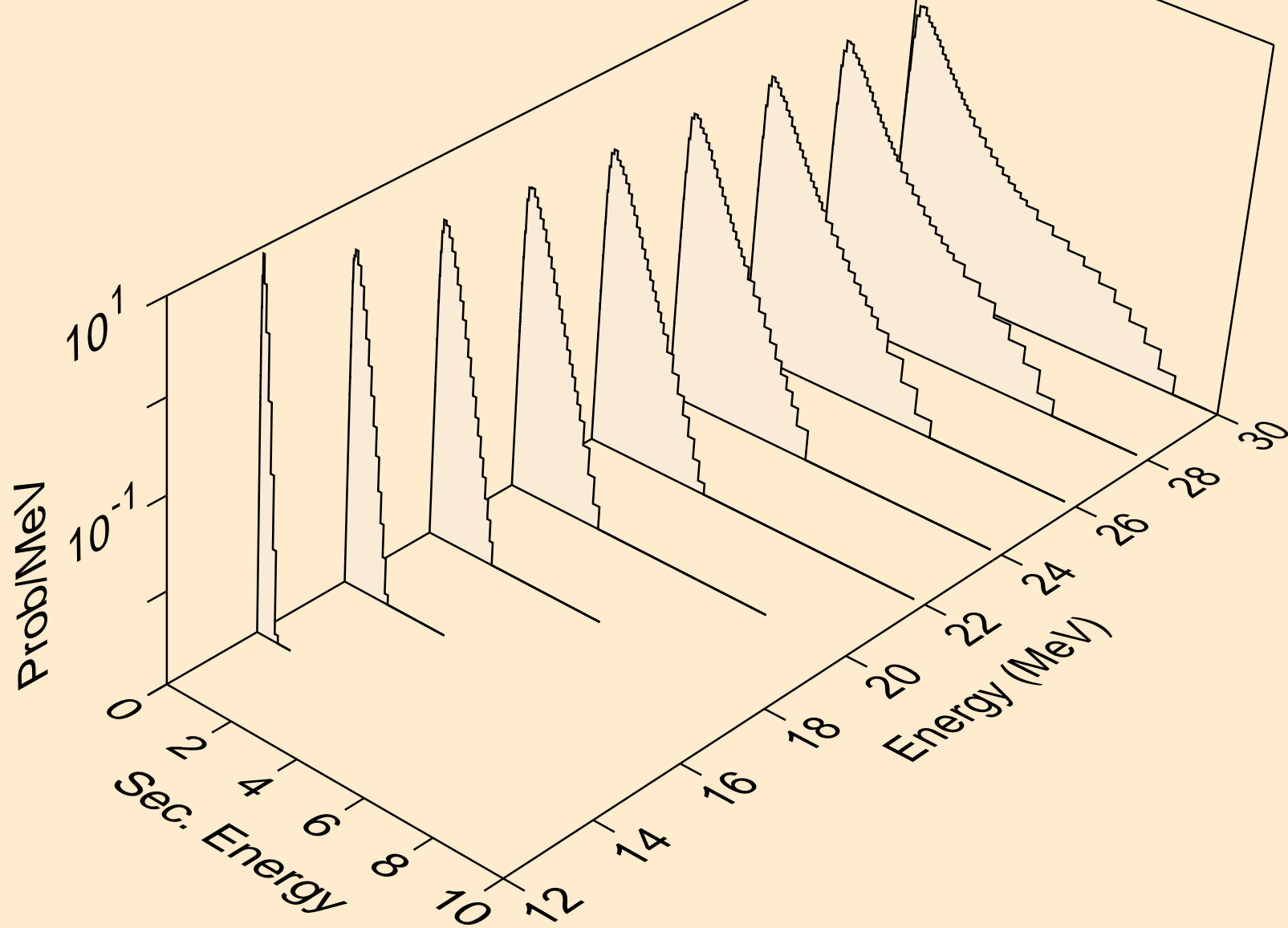
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Neutron emission for (n,n*)he3



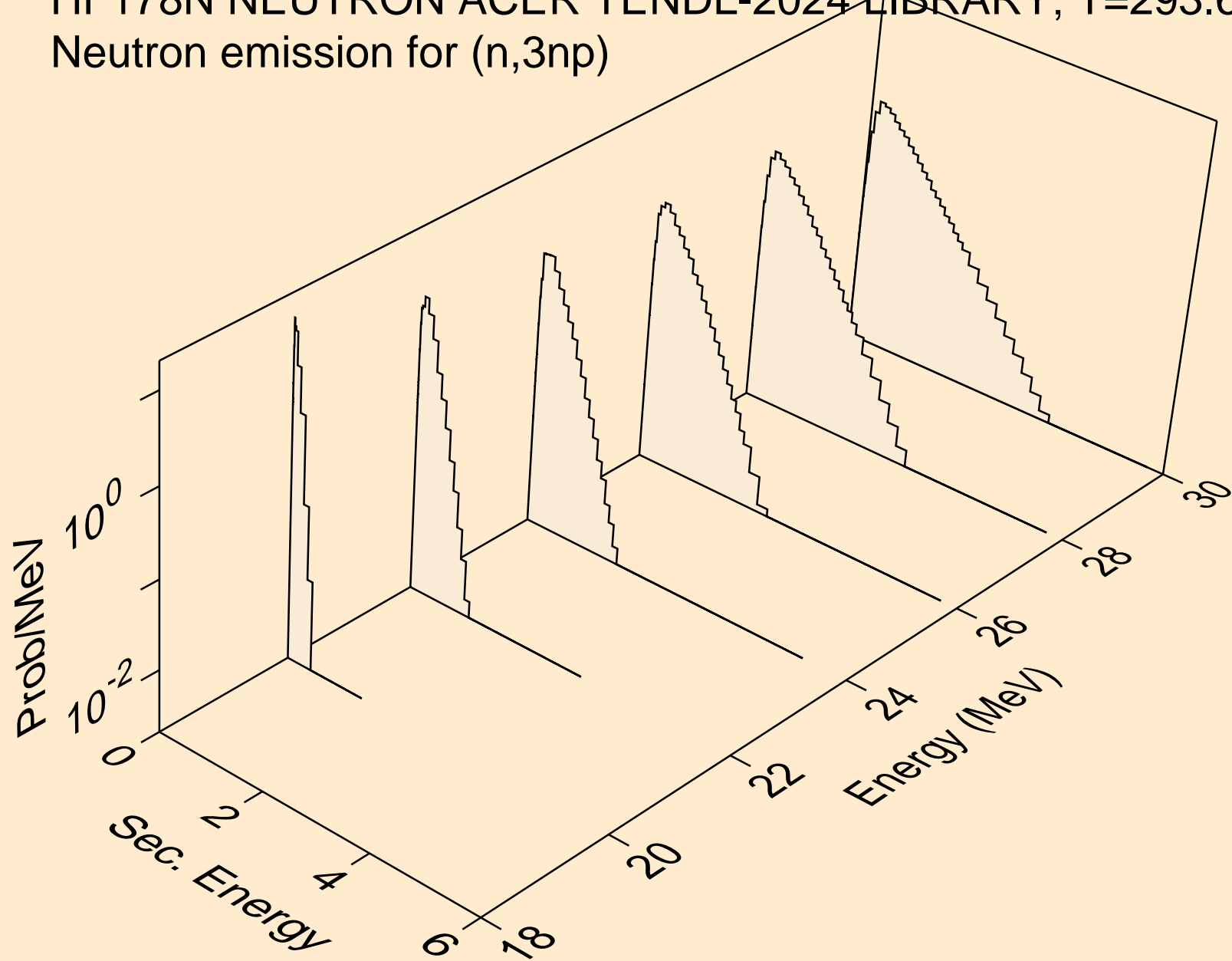
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Neutron emission for (n,4n)



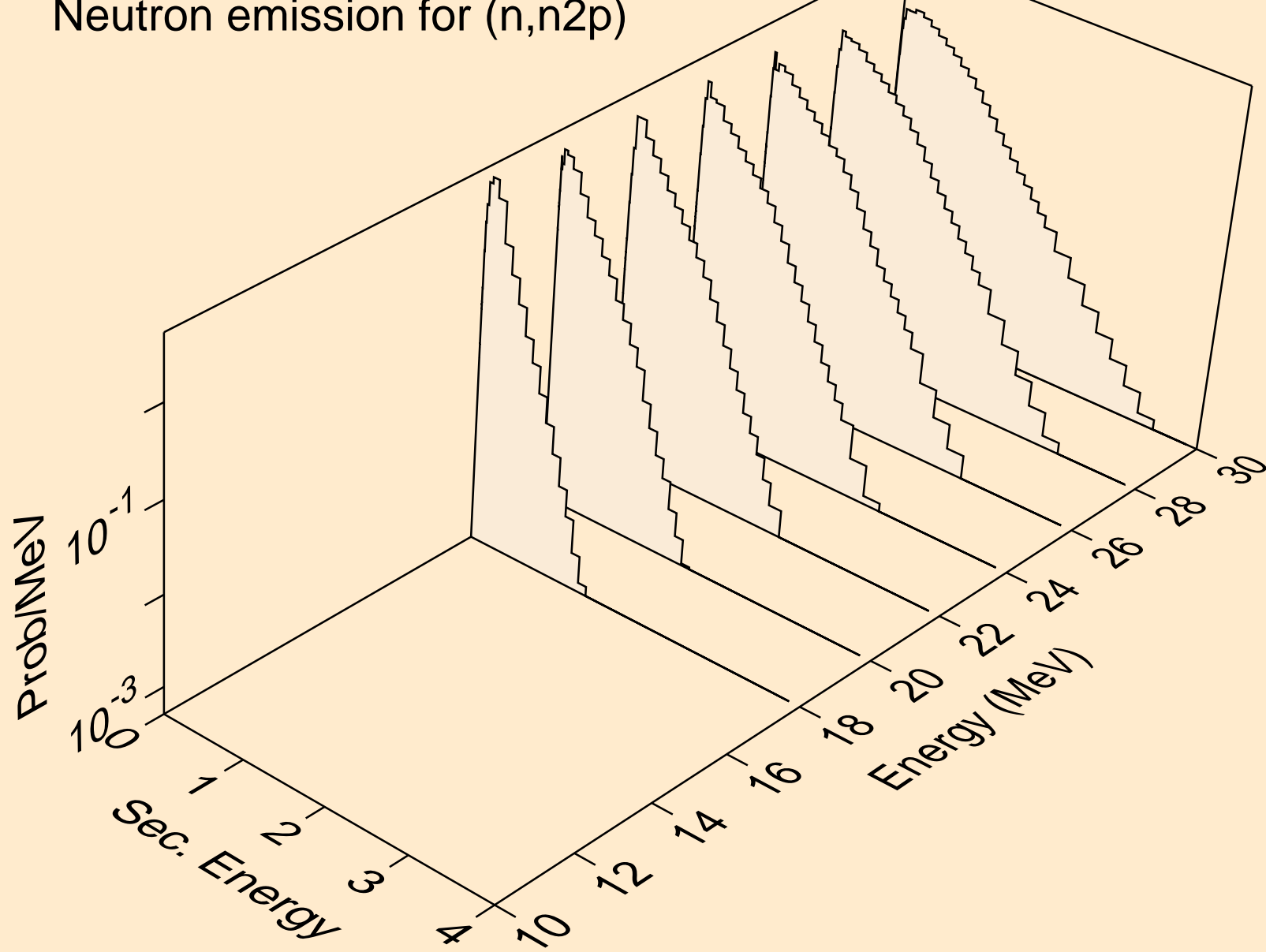
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Neutron emission for (n,2np)



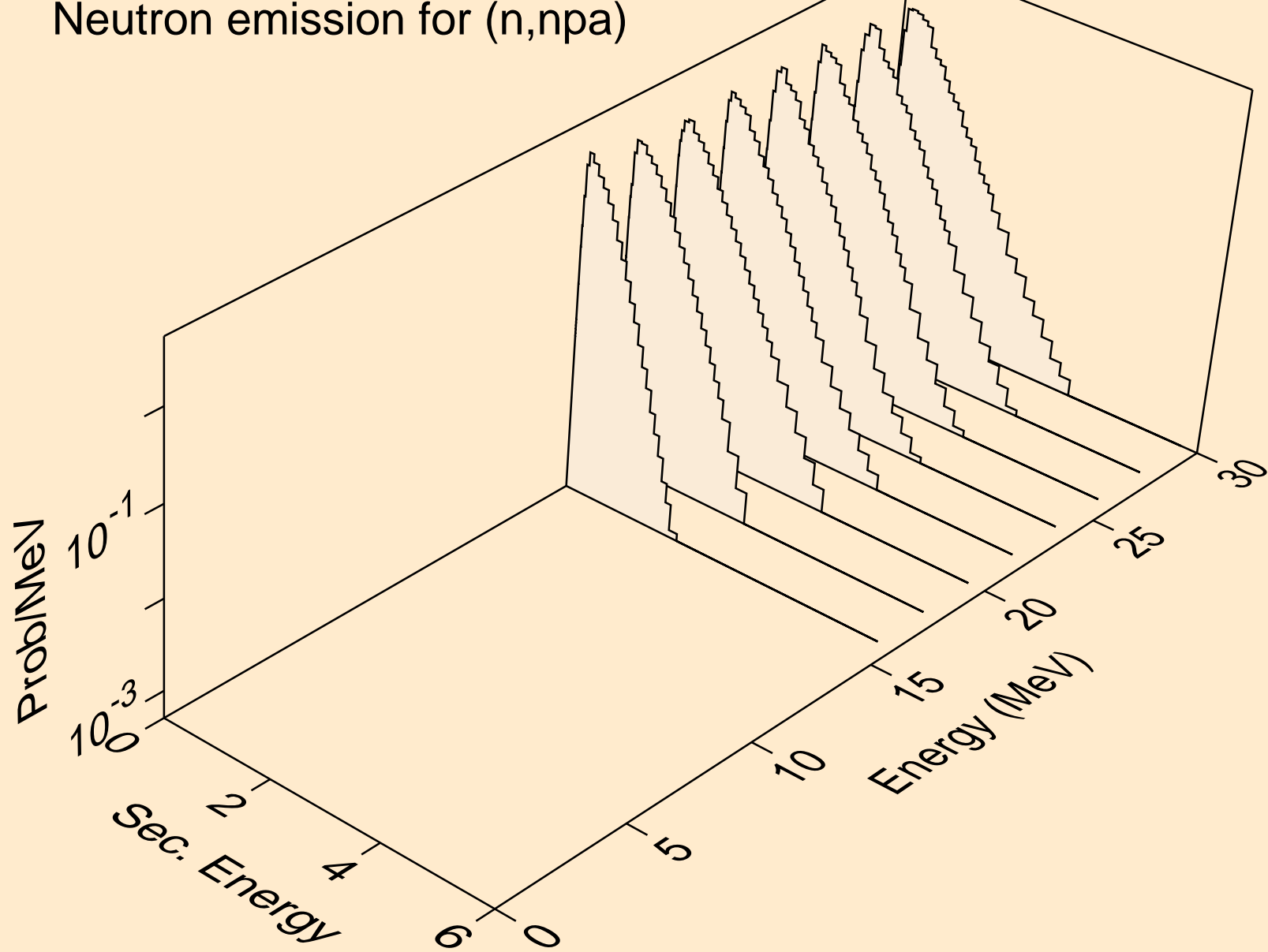
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Neutron emission for (n,3np)



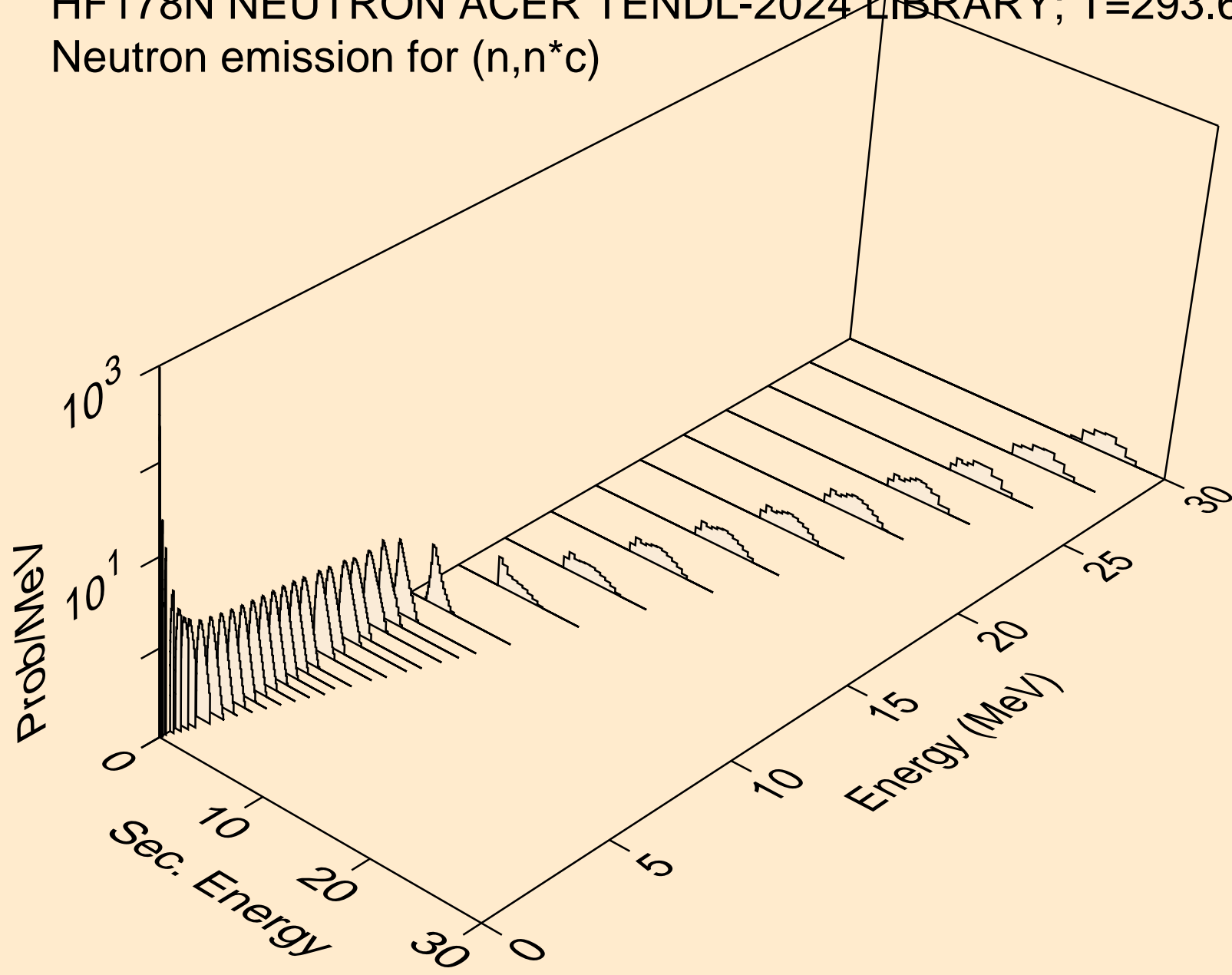
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Neutron emission for (n,n2p)



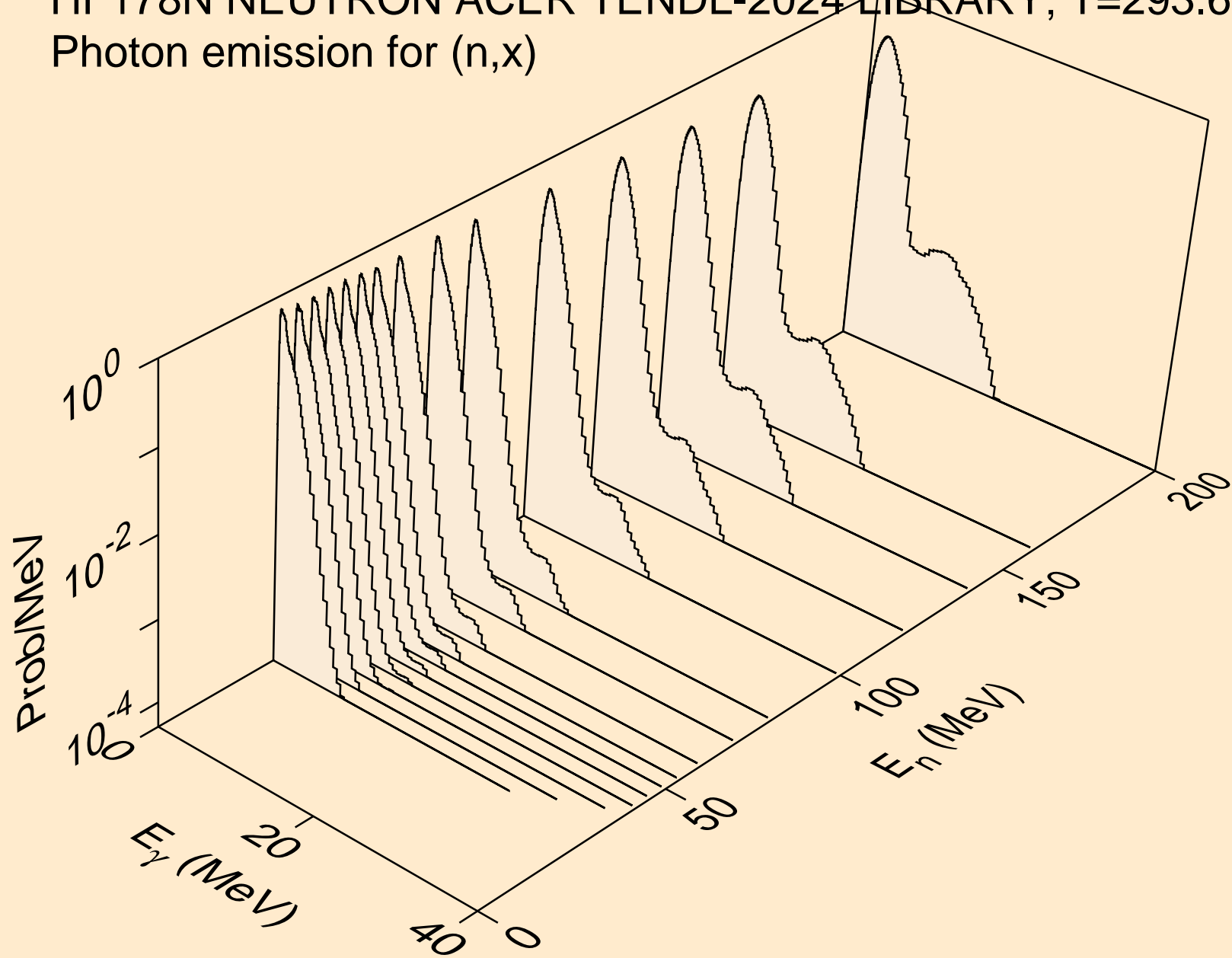
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Neutron emission for (n,npa)



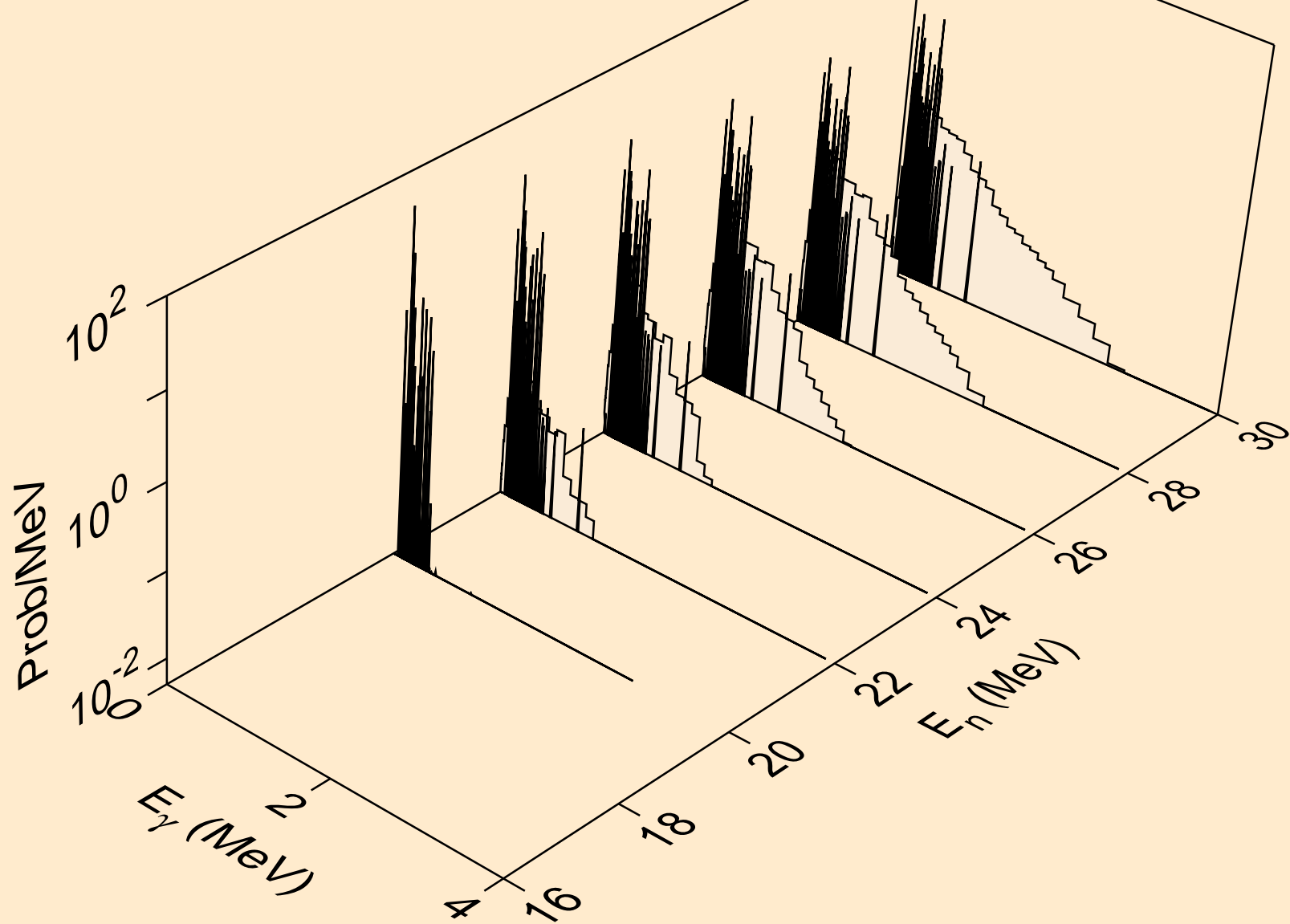
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Neutron emission for (n,n*c)



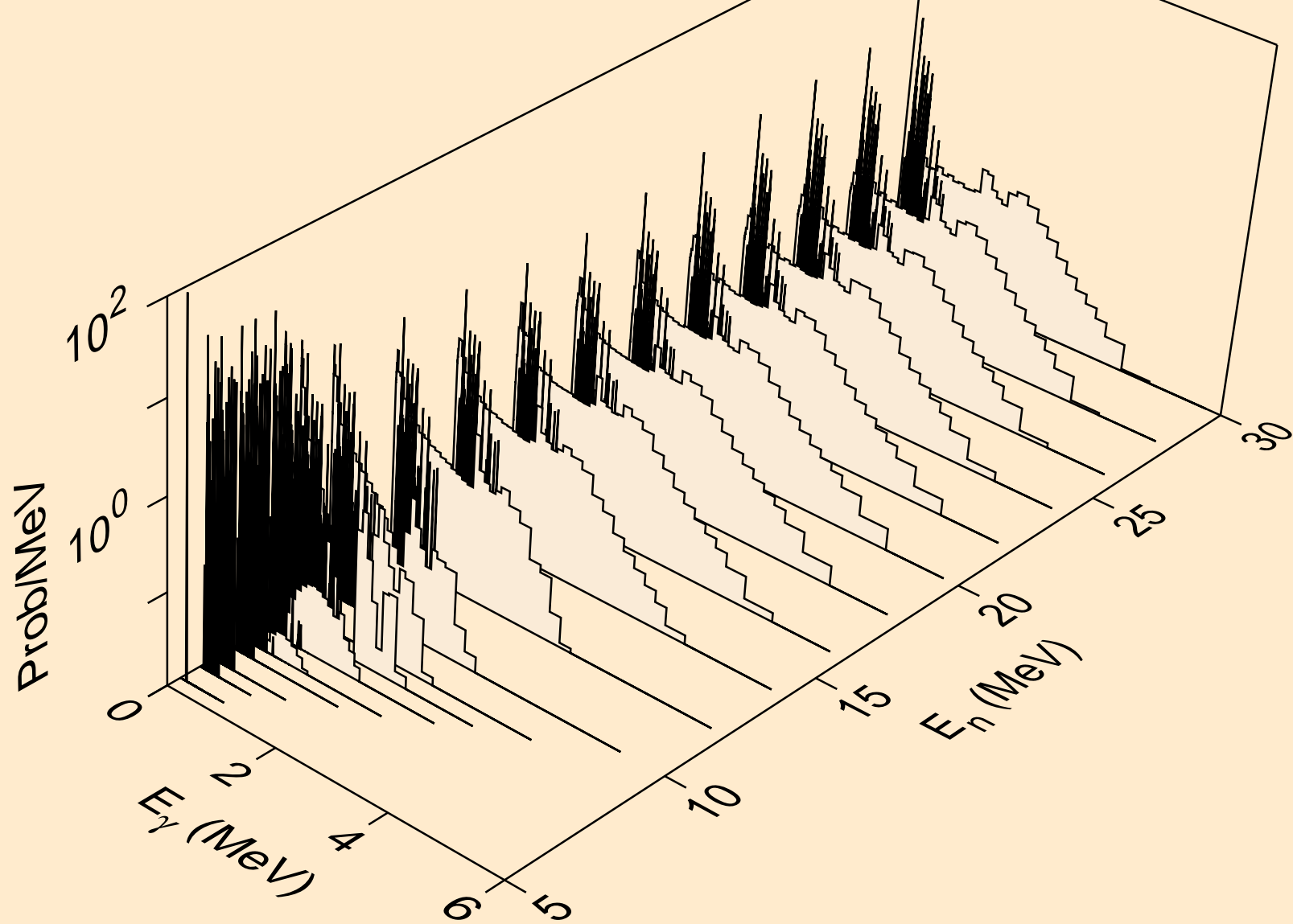
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,x)



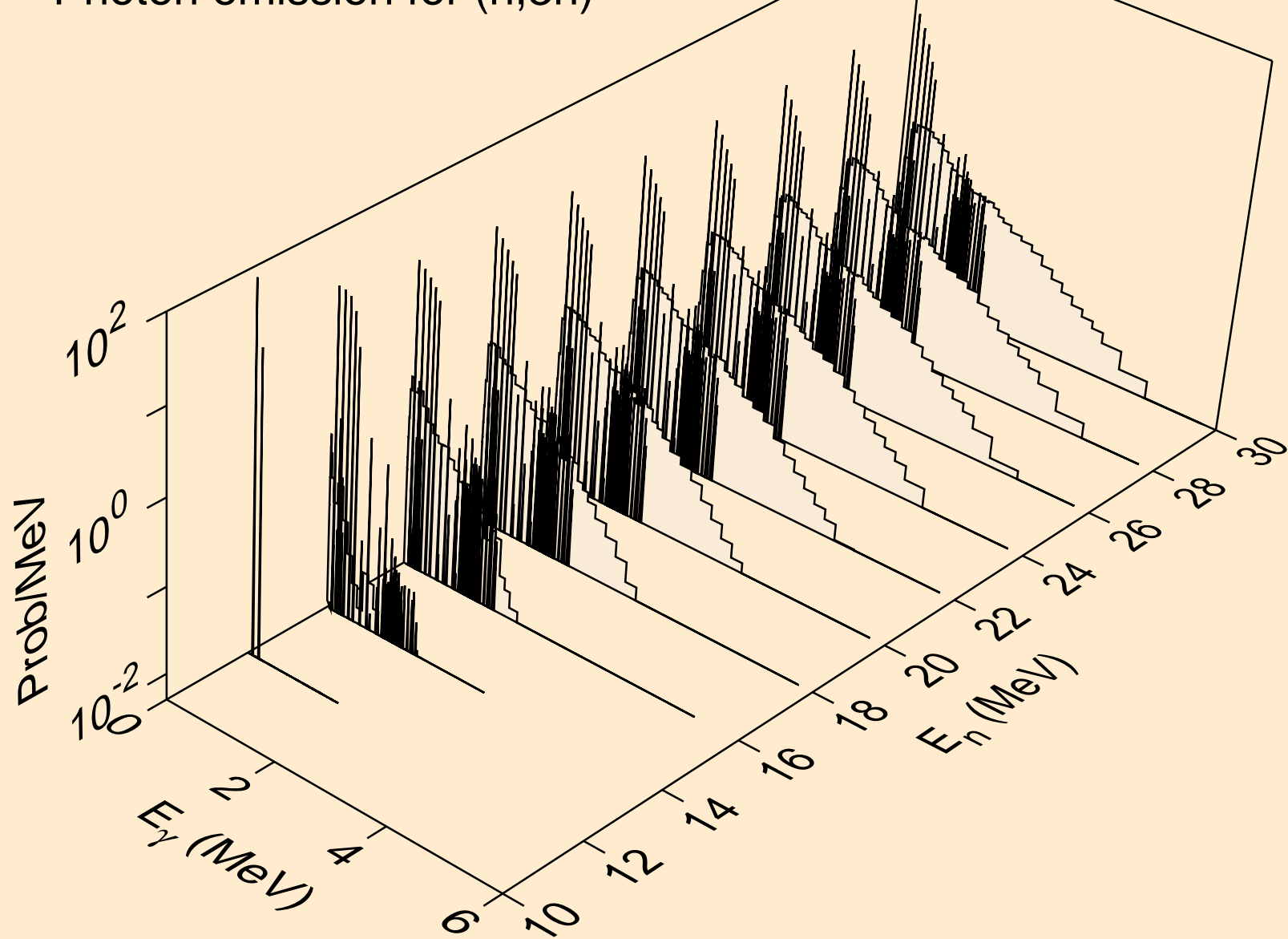
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Photon emission for (n,2nd)



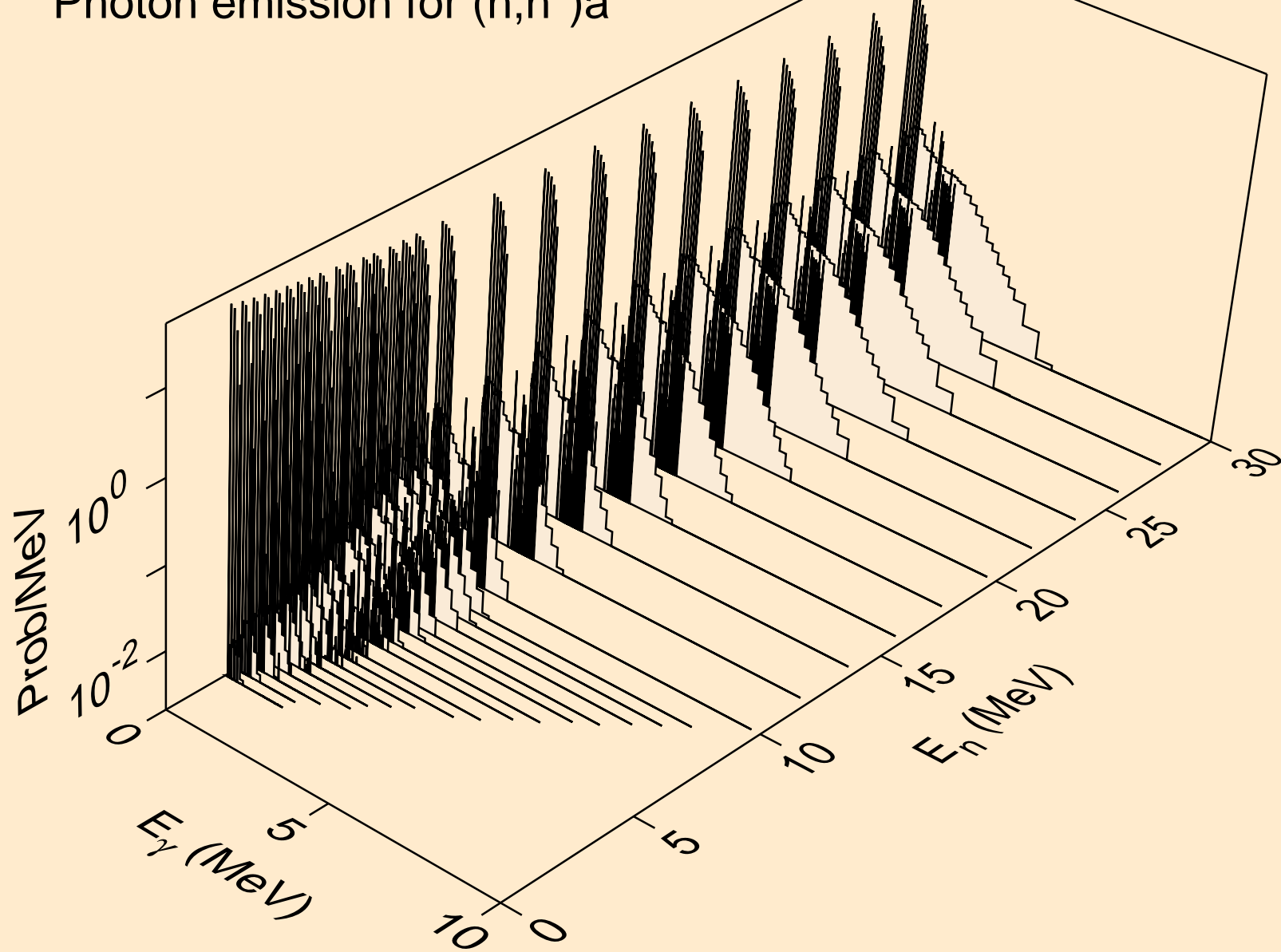
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Photon emission for (n,2n)



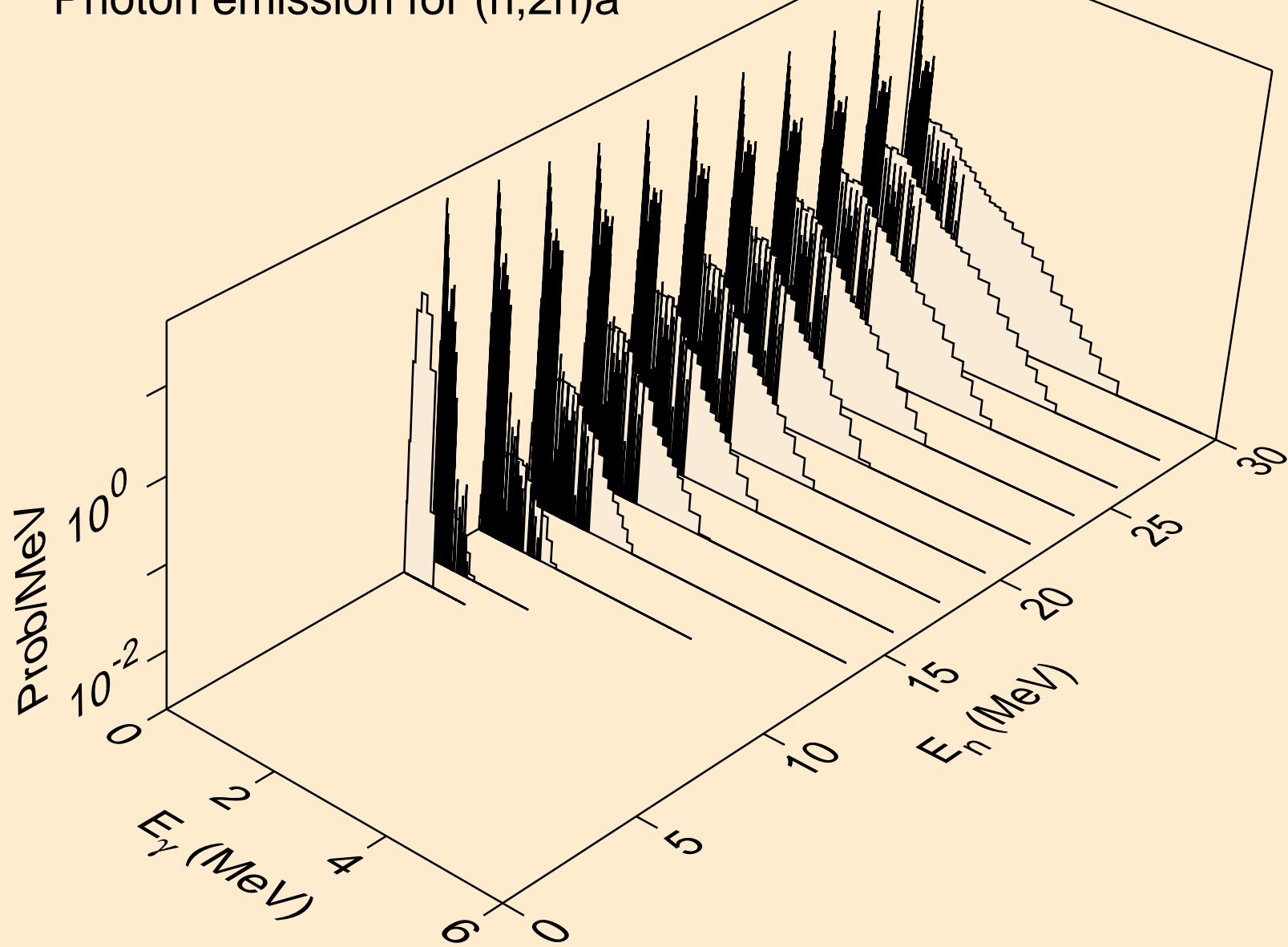
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Photon emission for (n,3n)



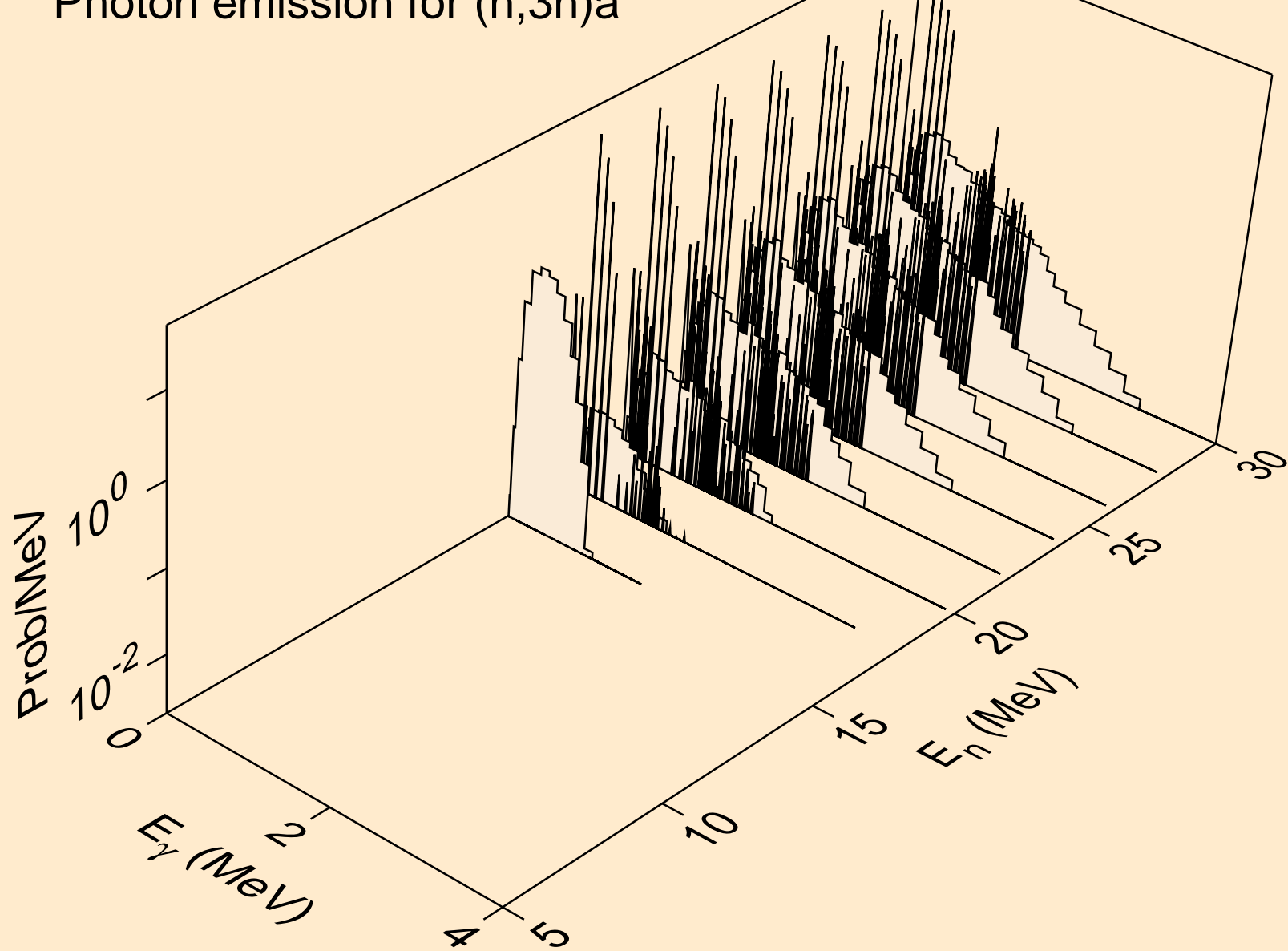
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Photon emission for (n,n*)a



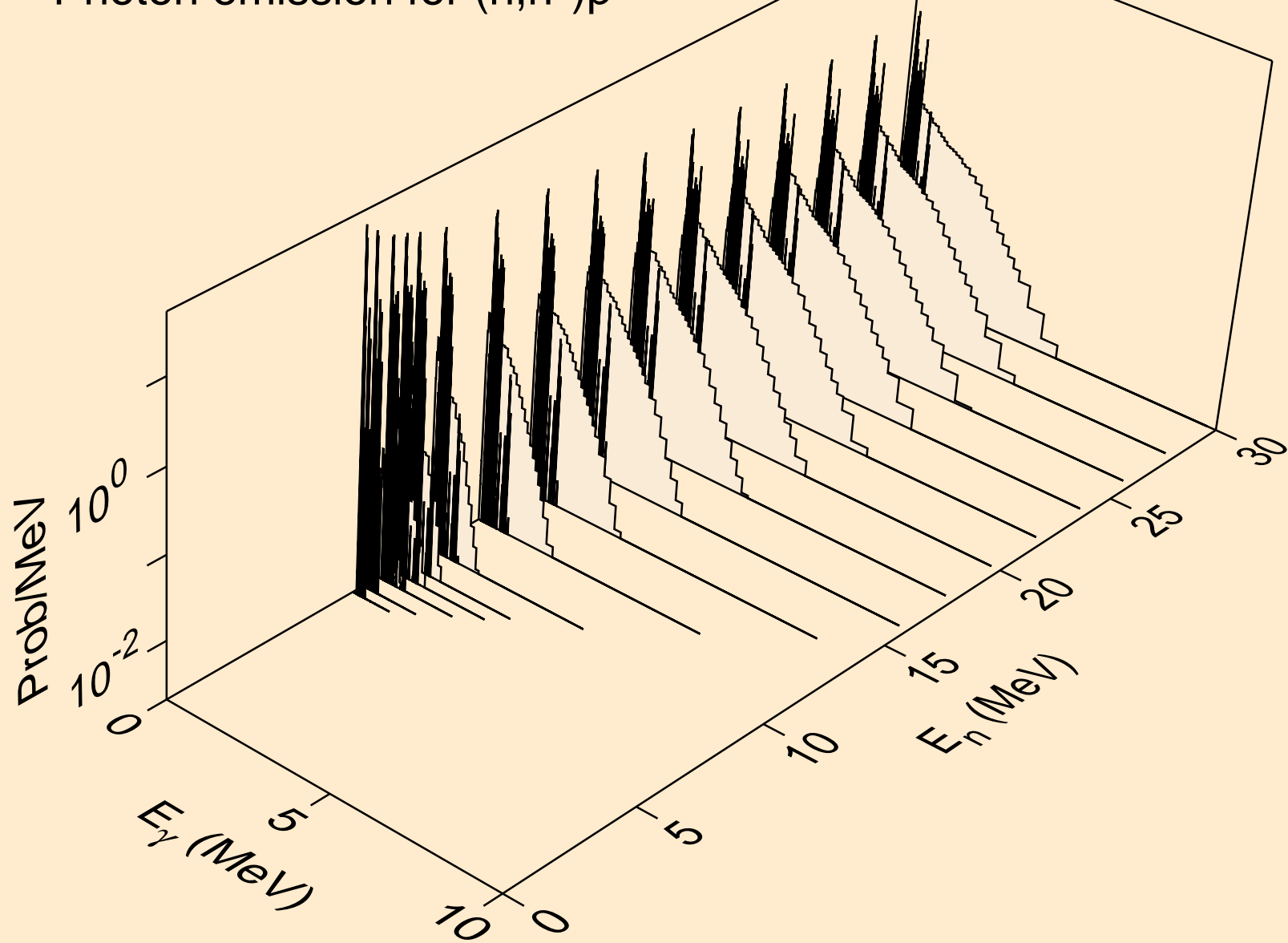
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Photon emission for (n,2n)a



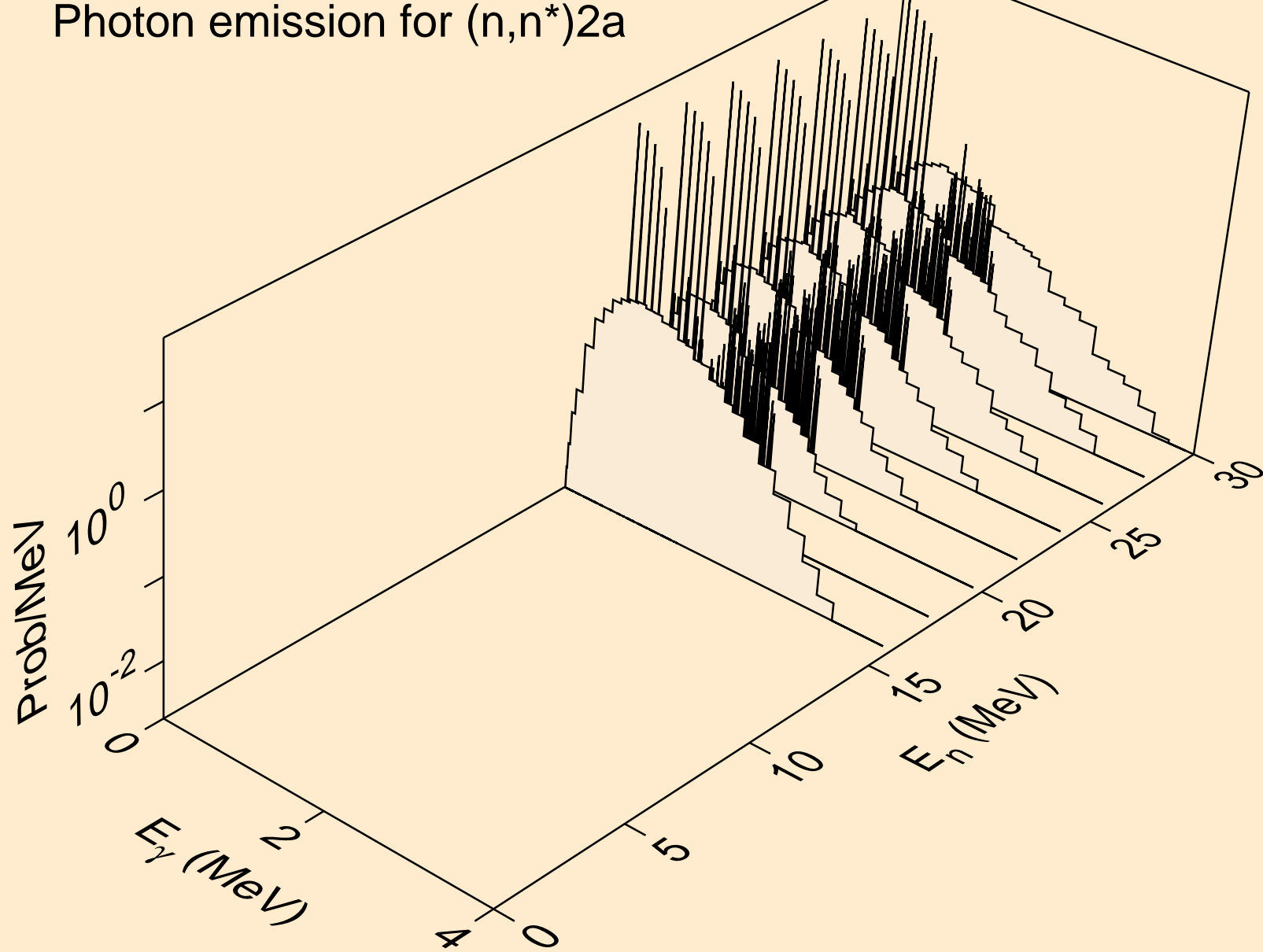
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,3n)a



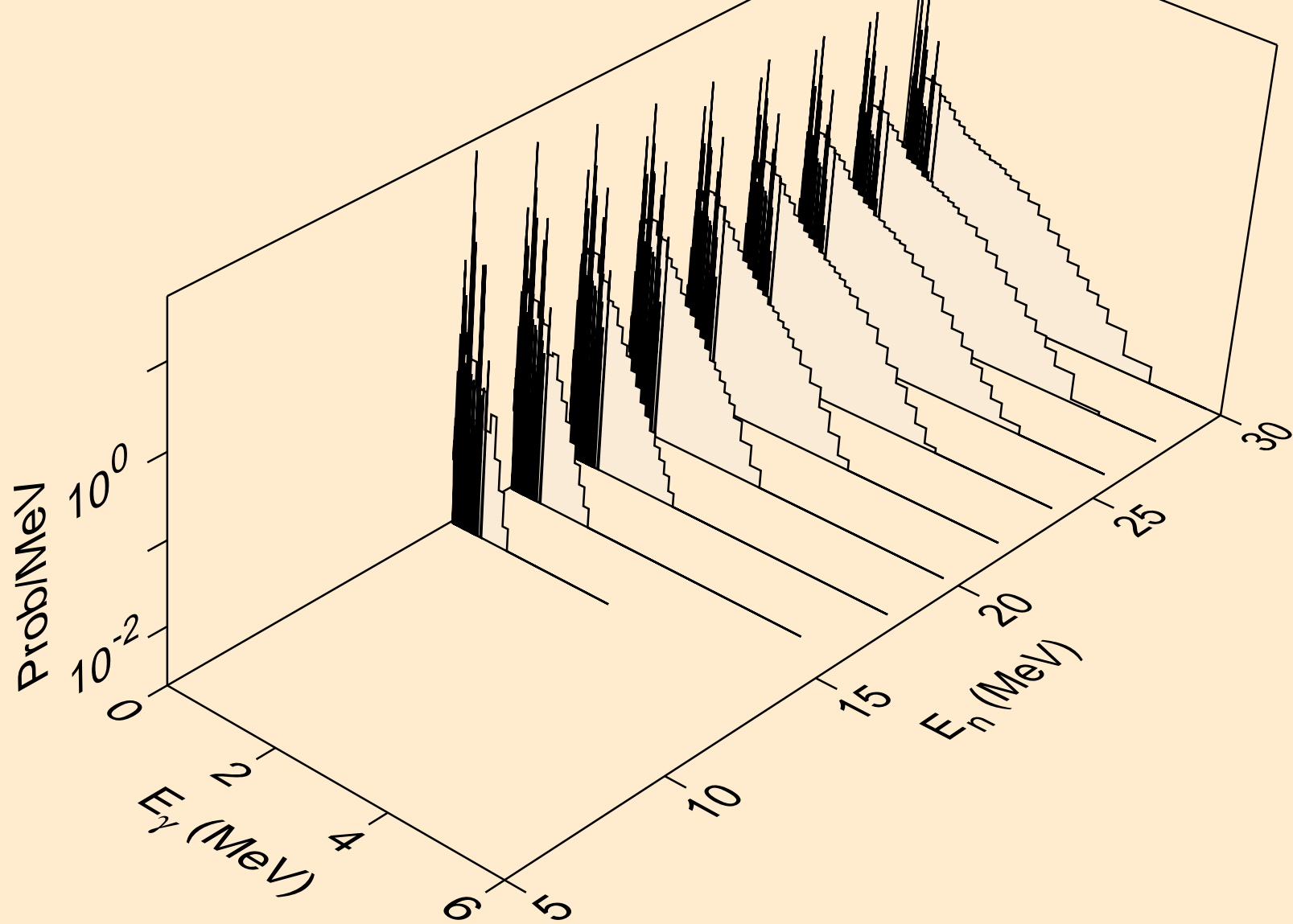
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Photon emission for (n,n*)p



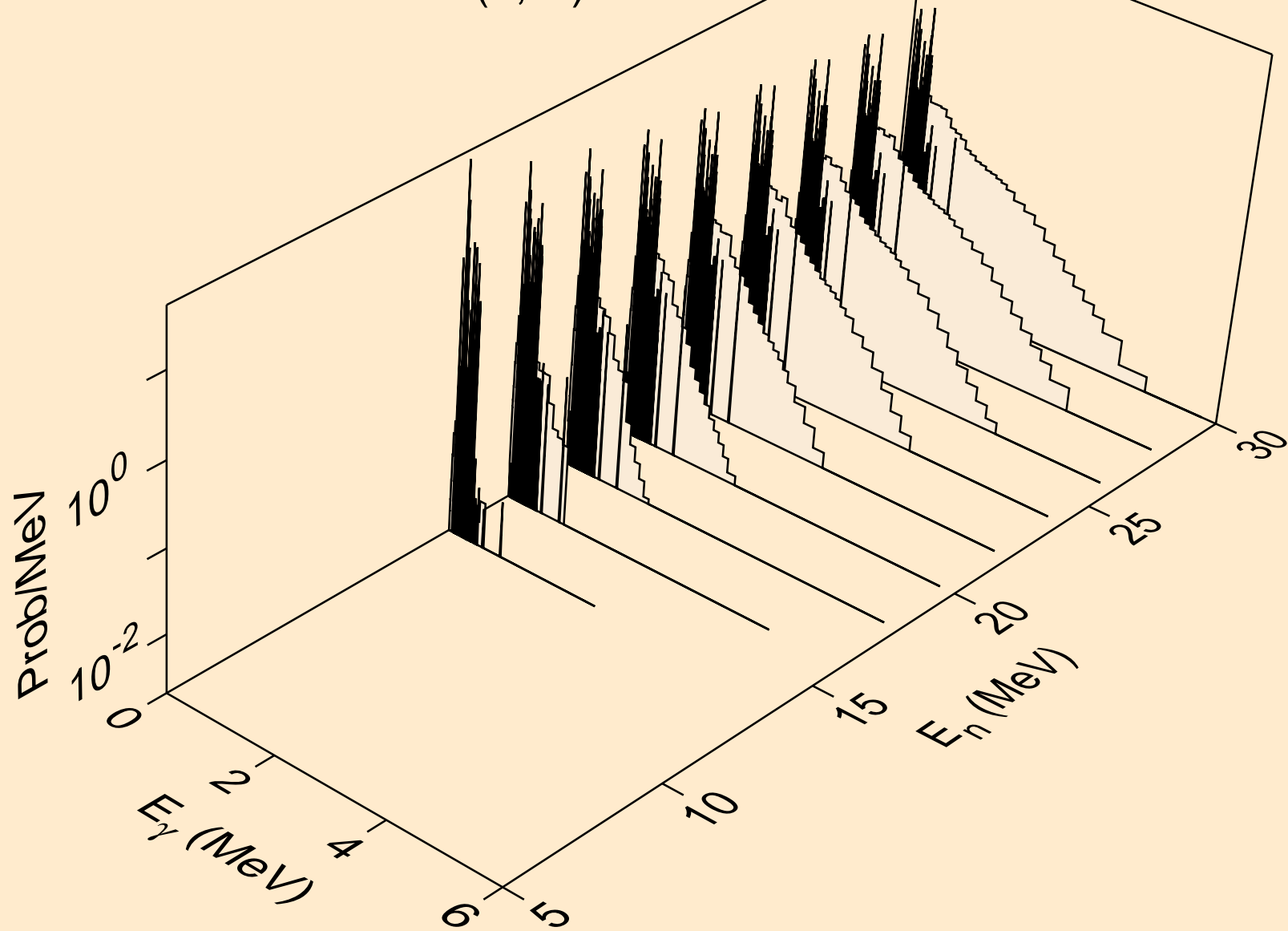
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Photon emission for (n,n*)2a



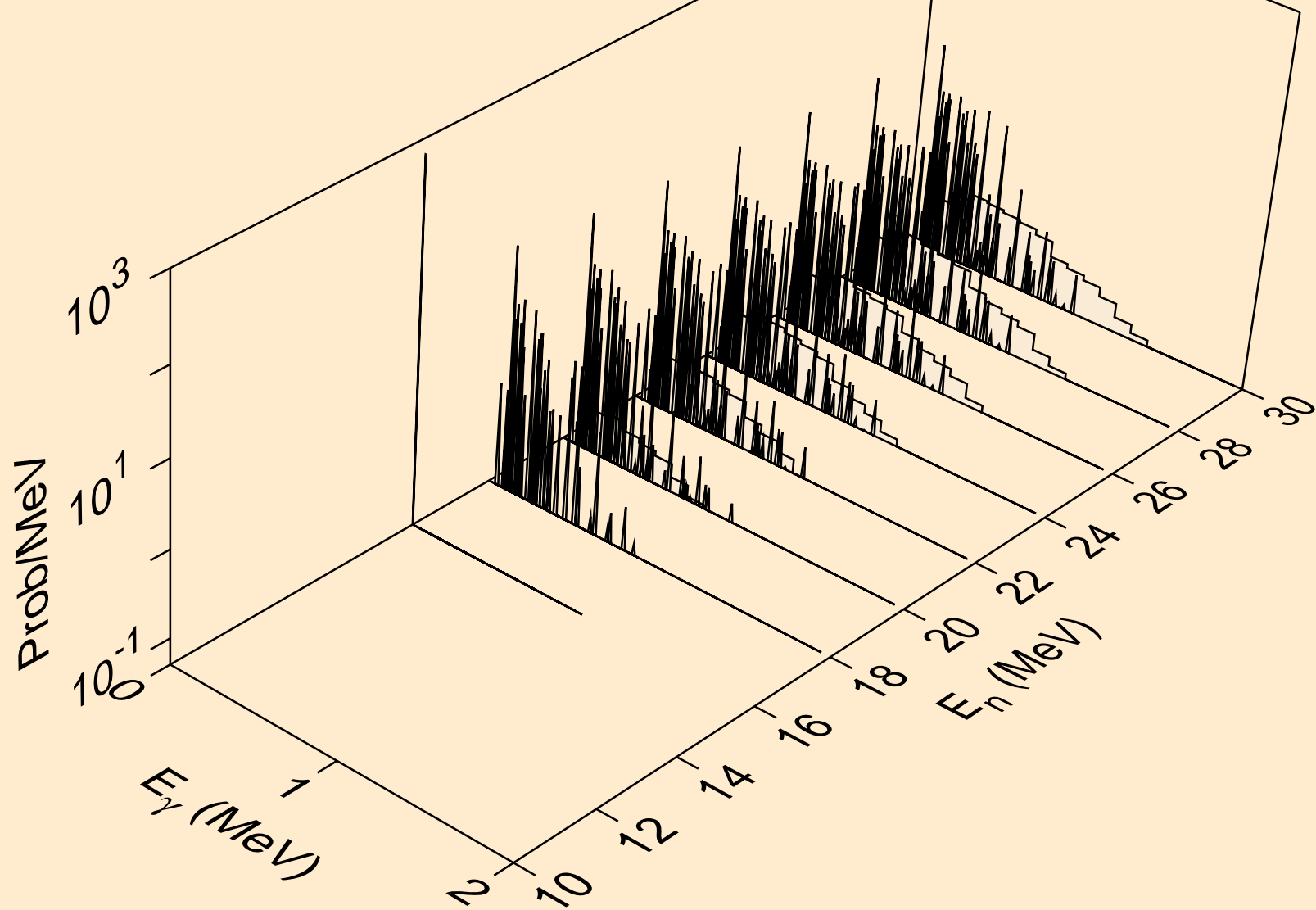
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*)d



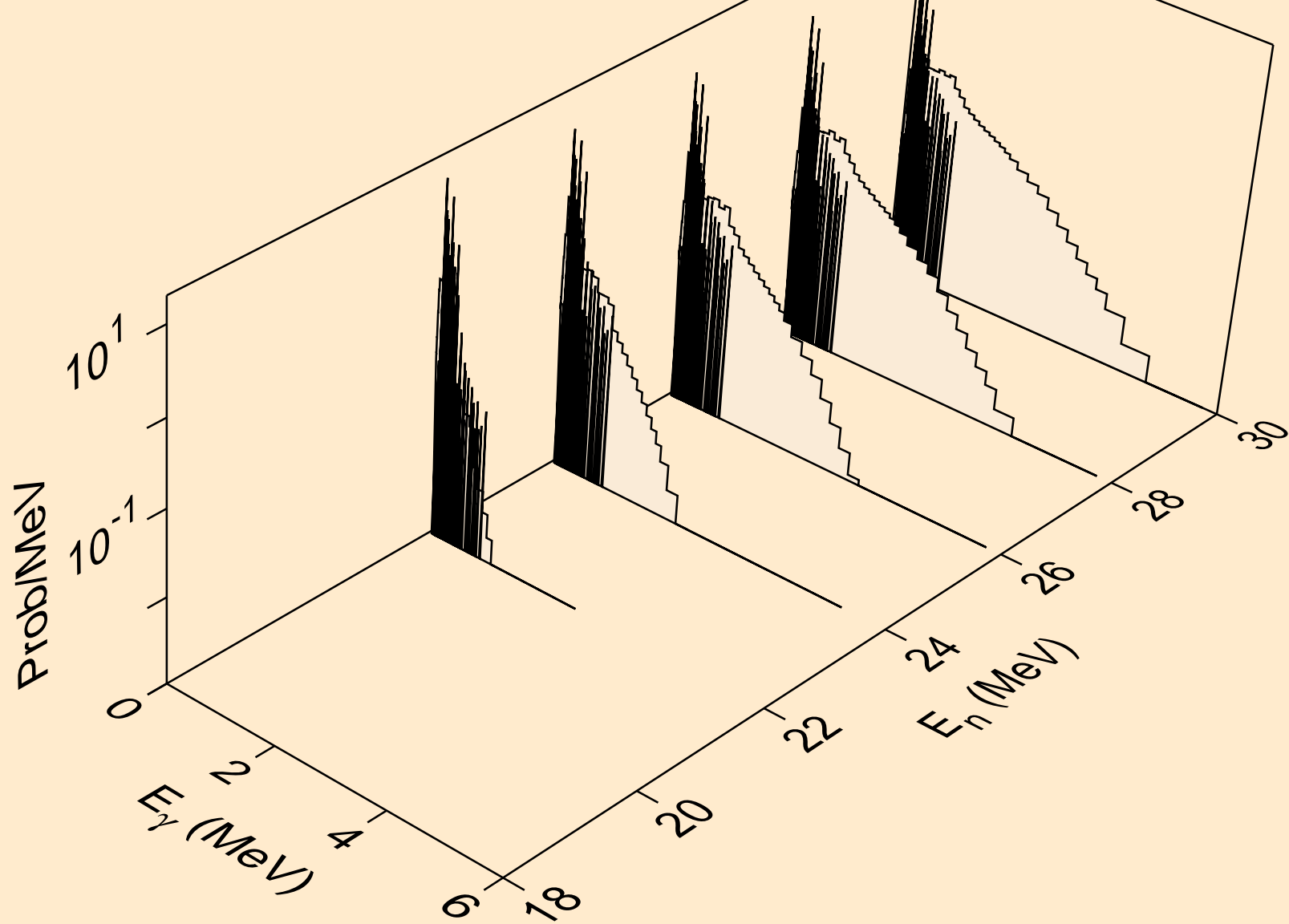
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Photon emission for (n,n*)t



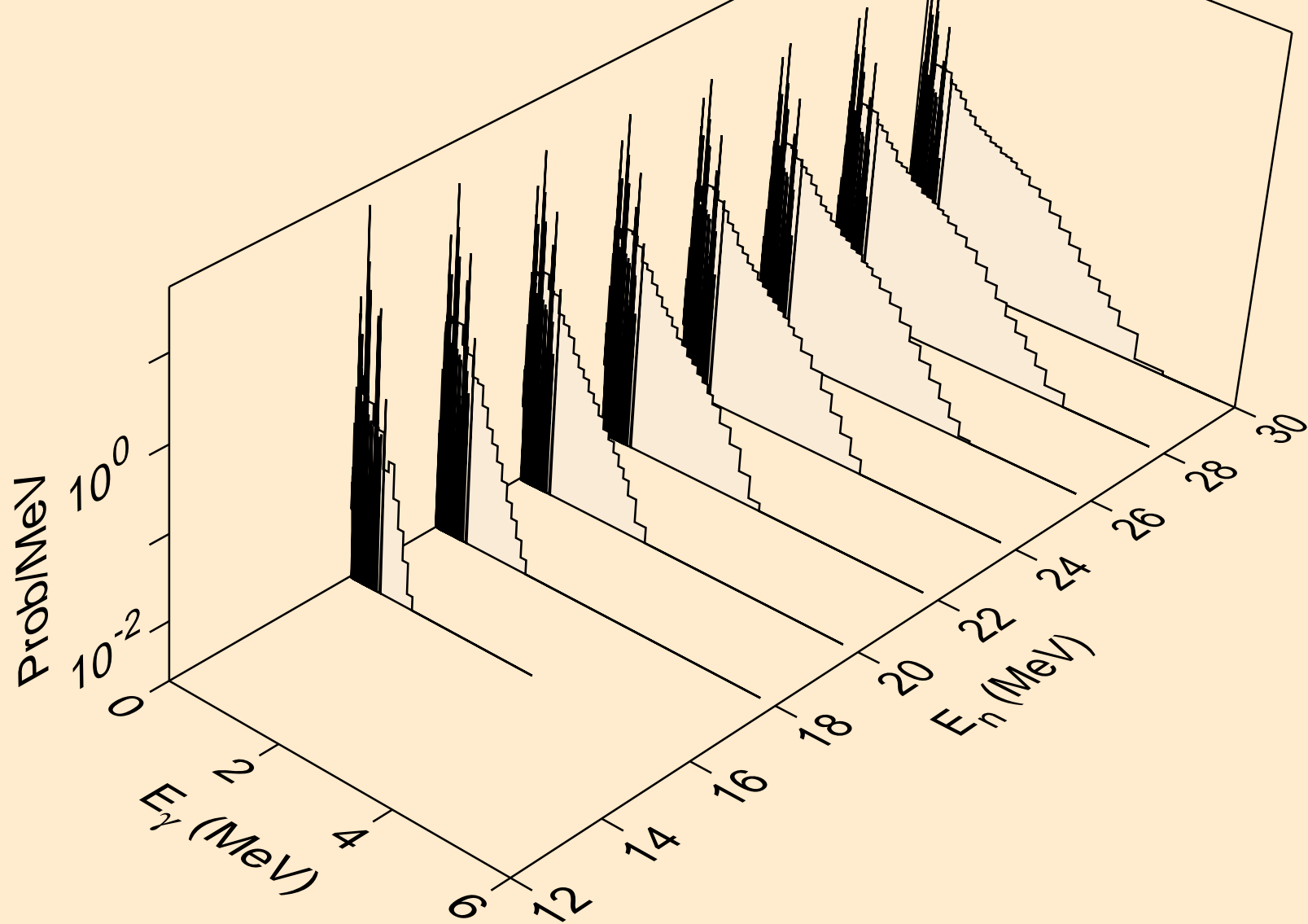
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Photon emission for (n,n*)he3



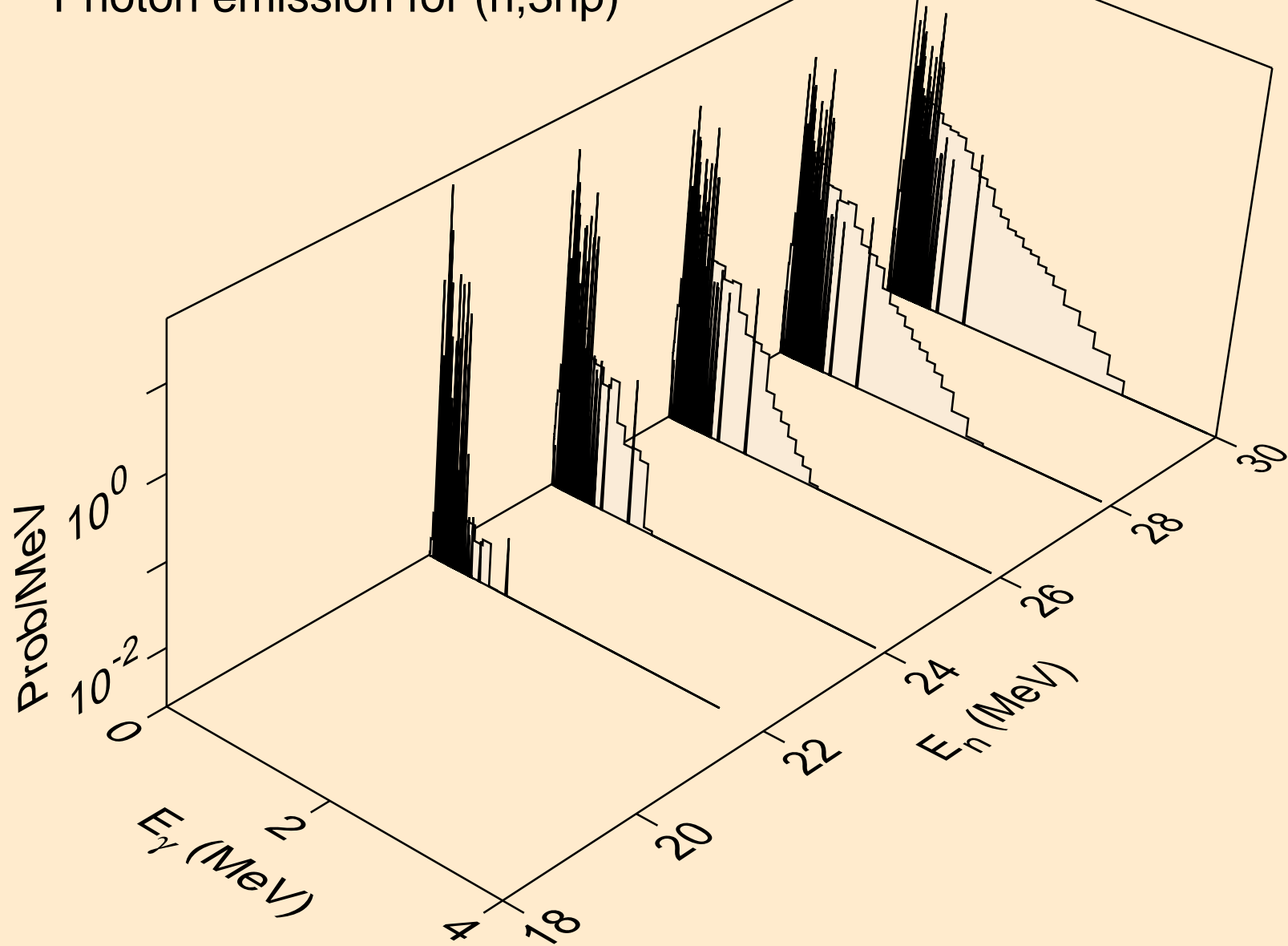
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,4n)



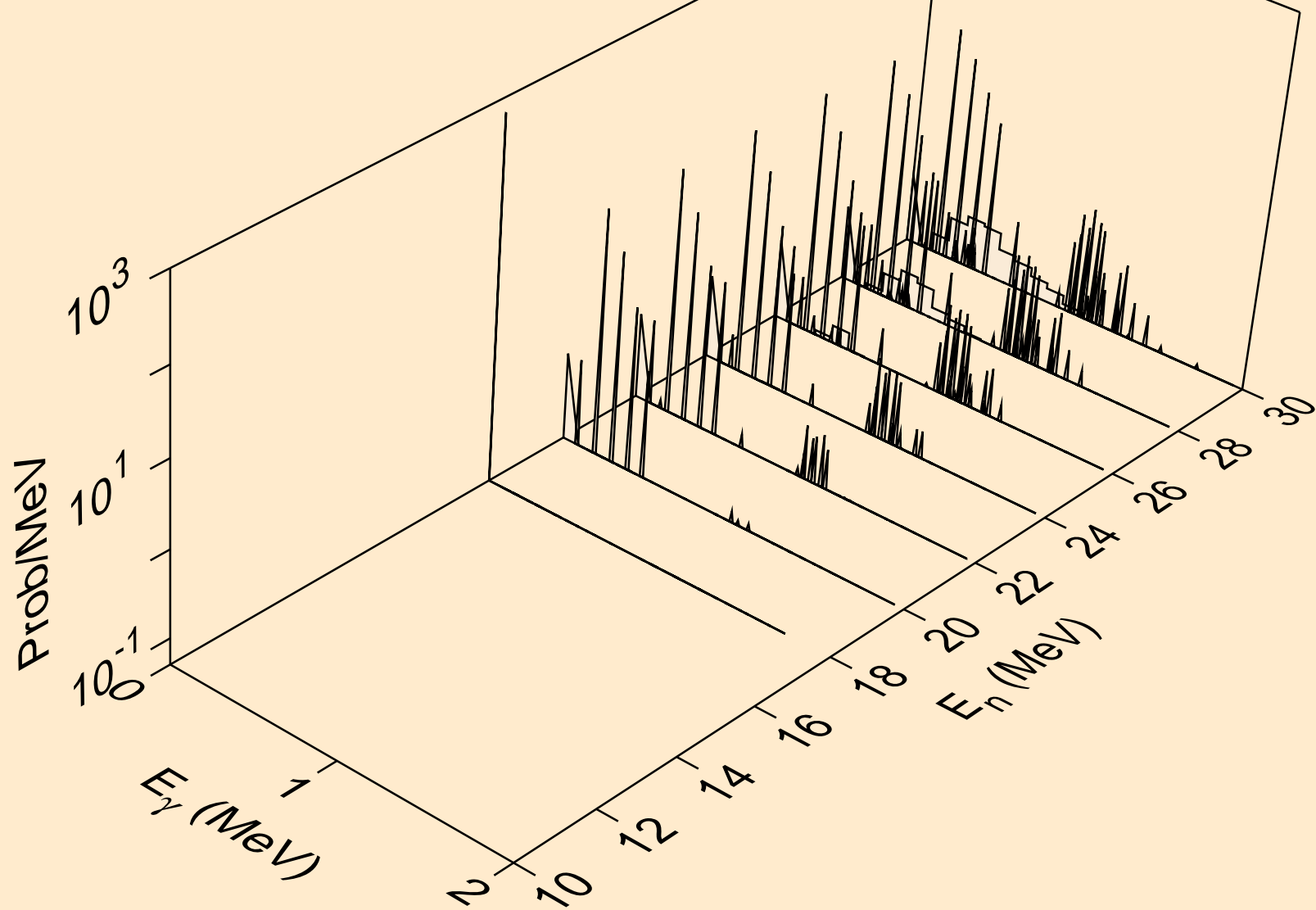
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Photon emission for (n,2np)



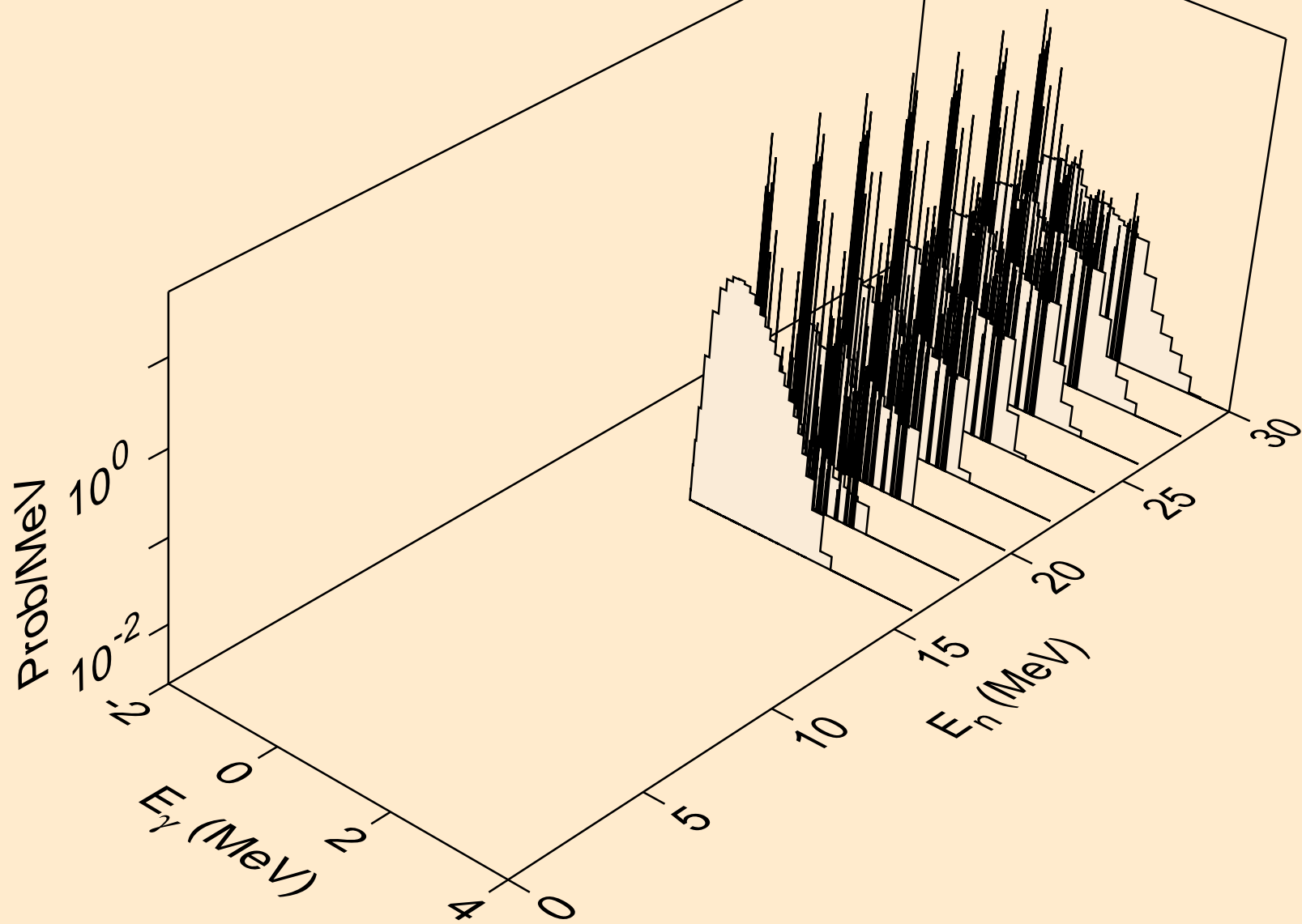
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Photon emission for (n,3np)



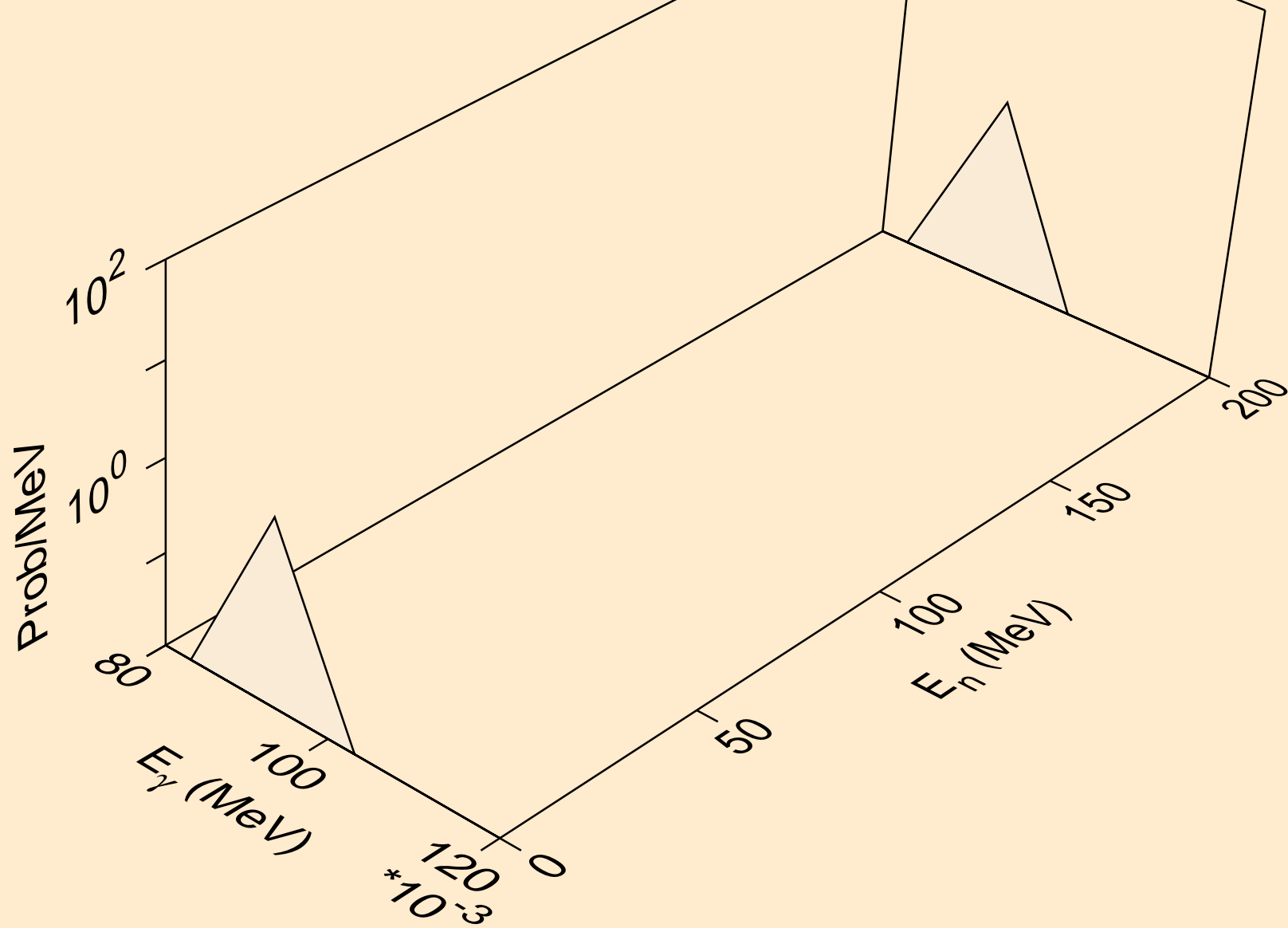
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Photon emission for (n,n2p)



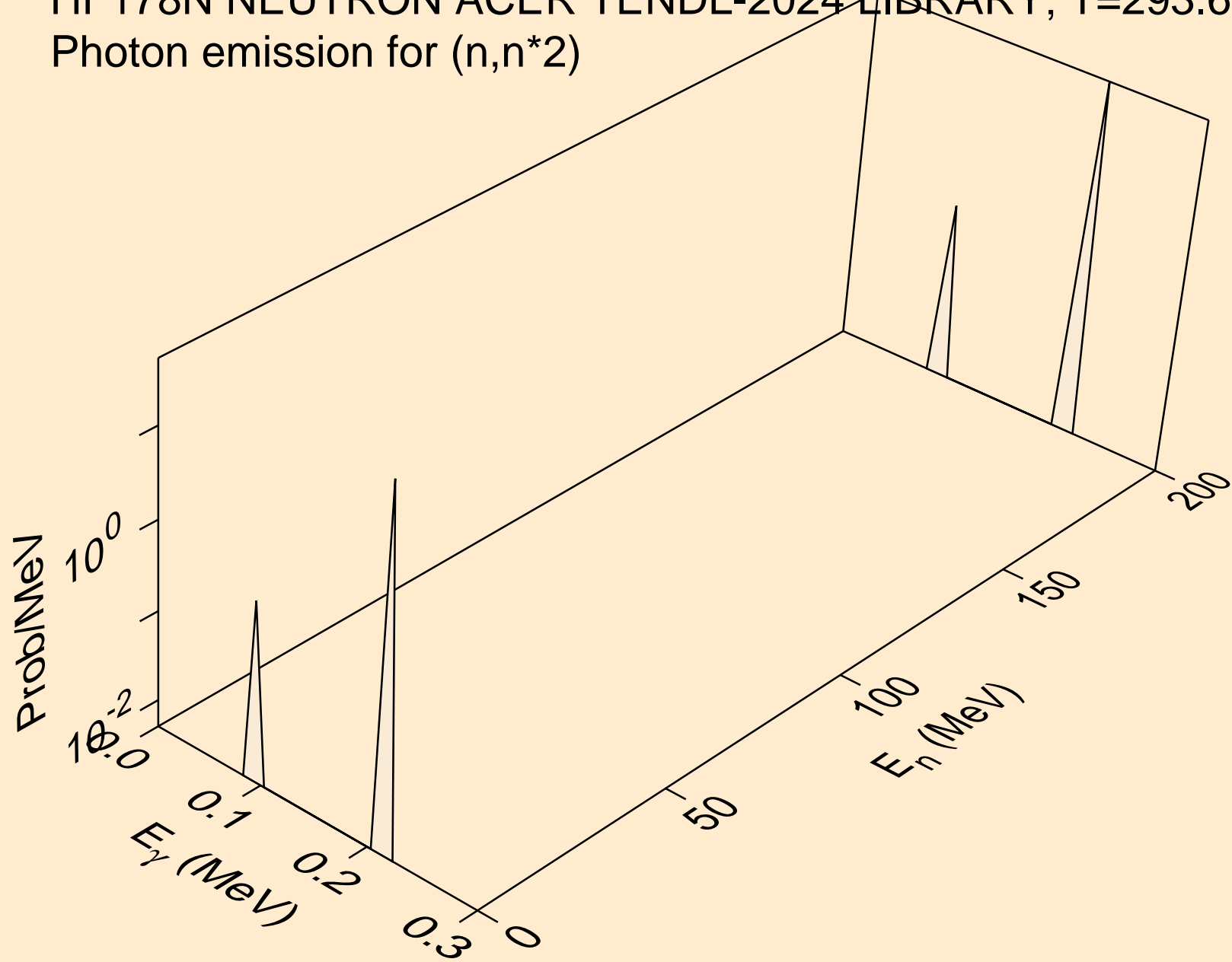
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Photon emission for (n,npa)



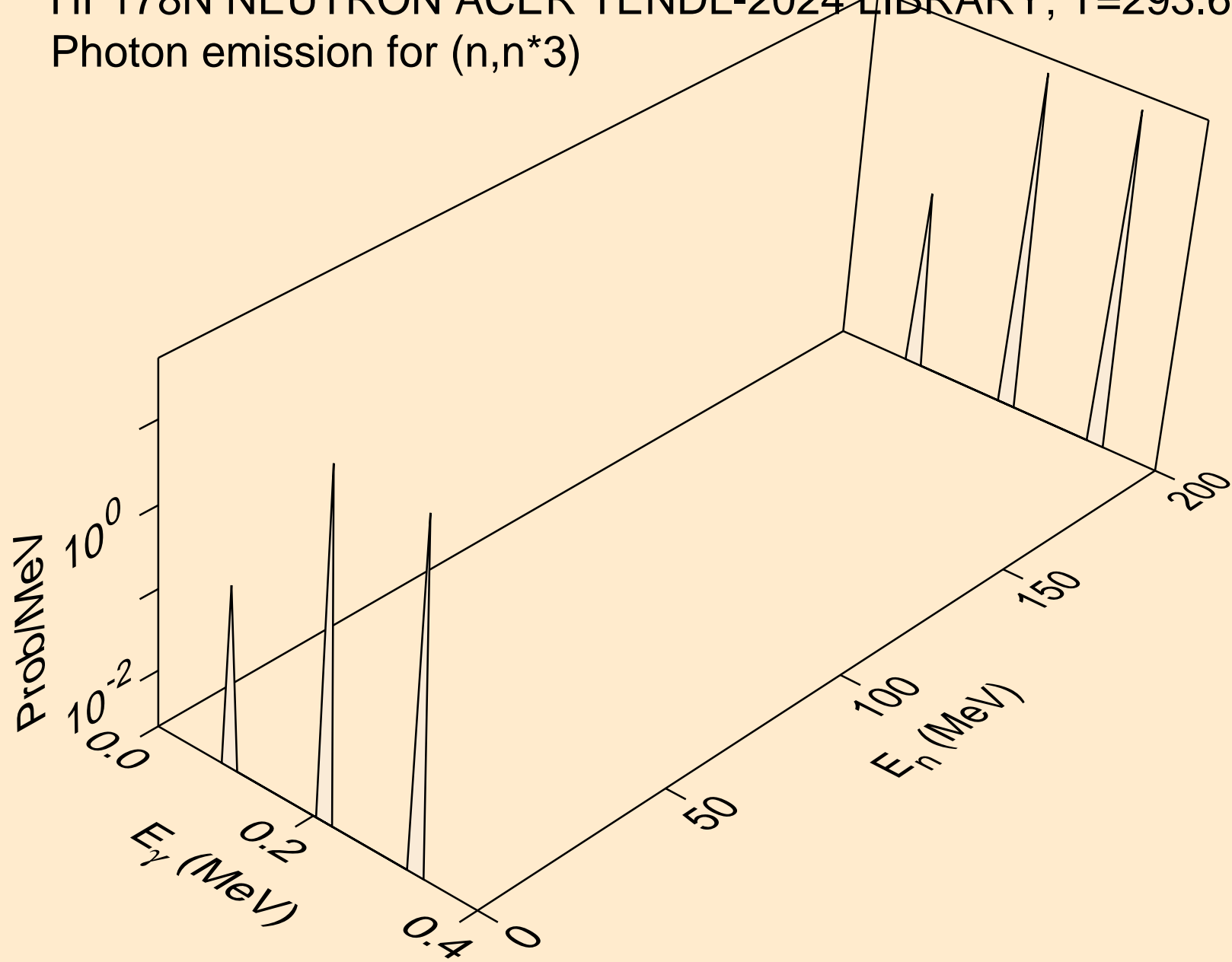
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*1)



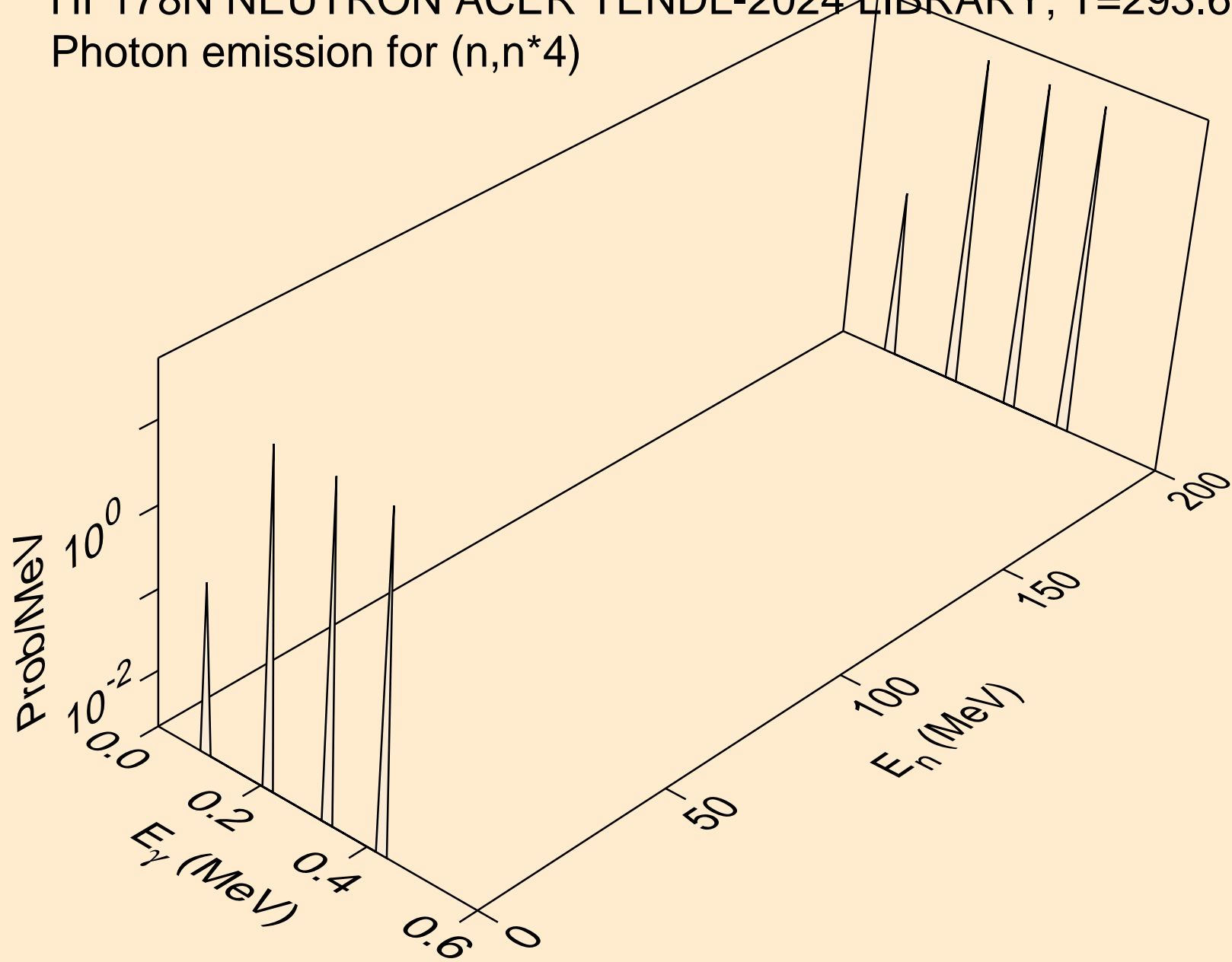
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*2)



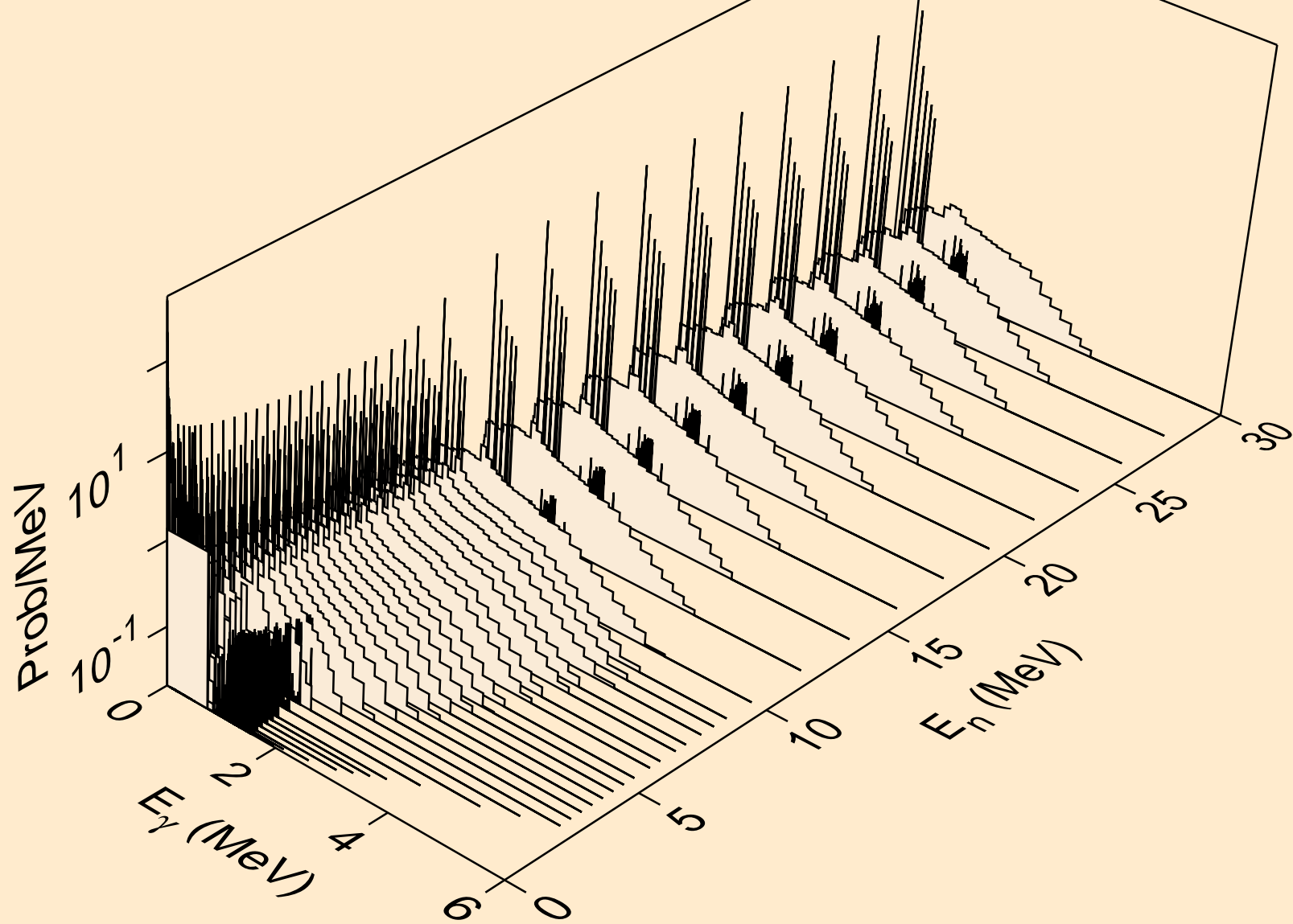
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*3)



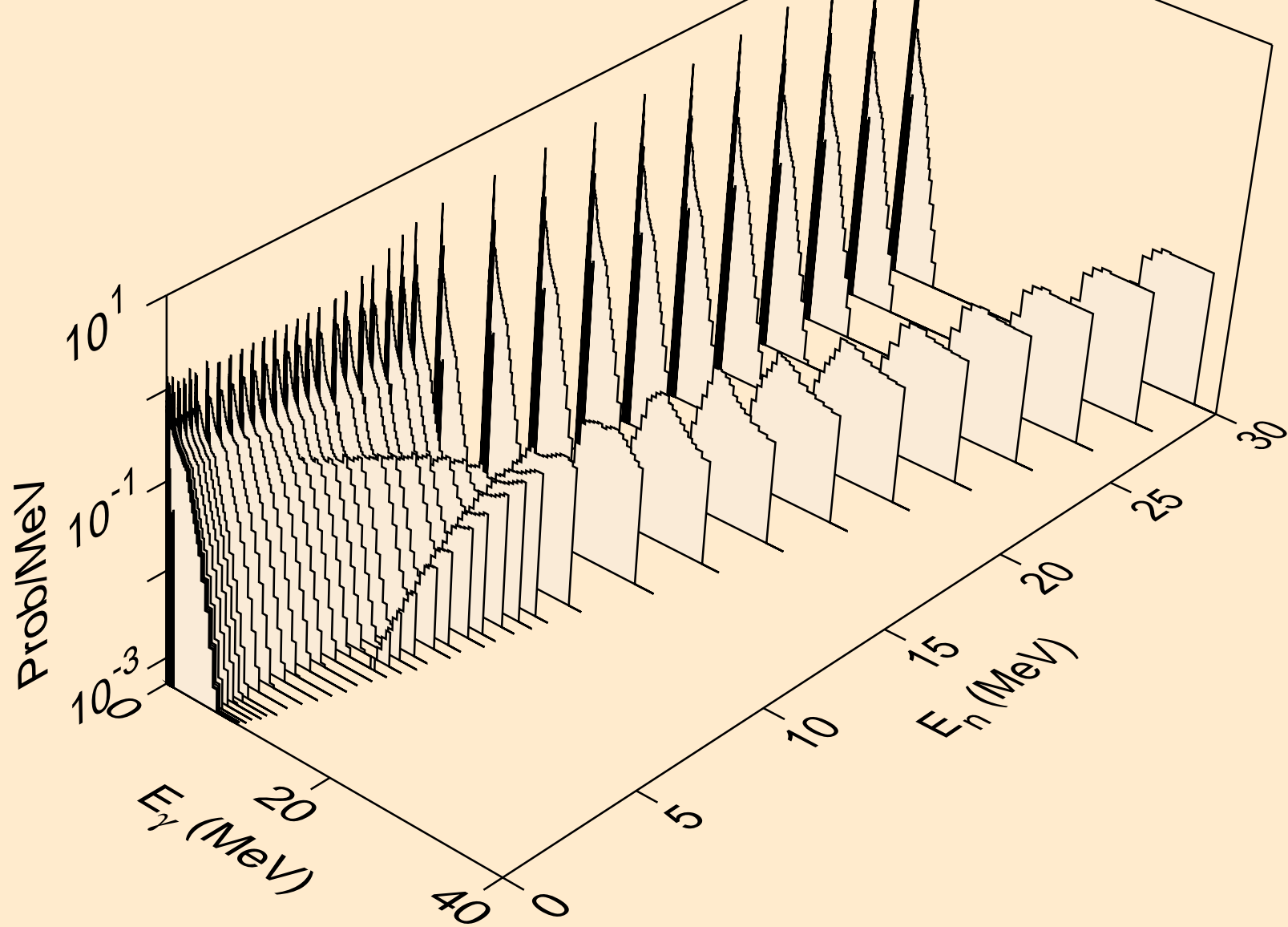
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*4)



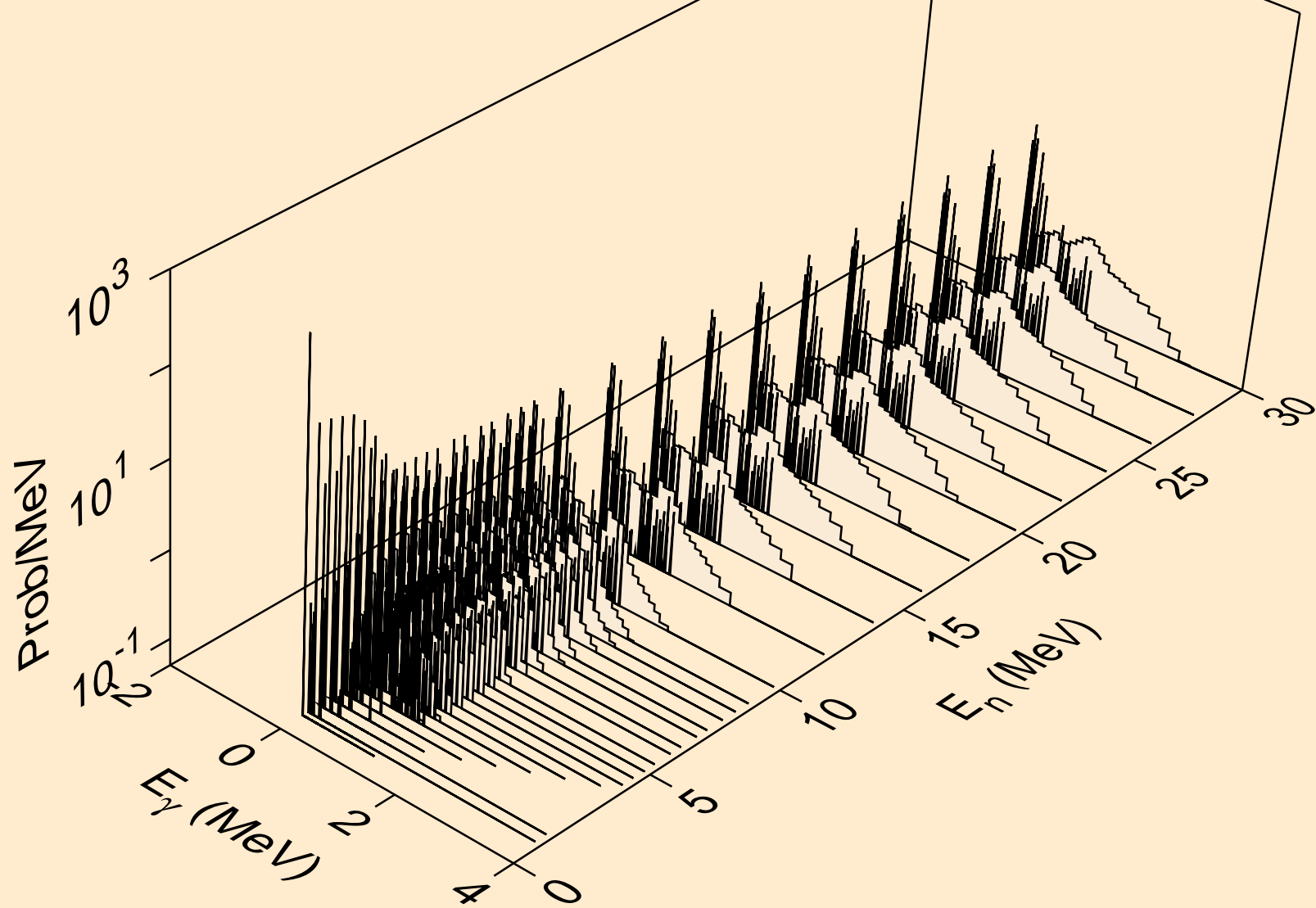
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,n*c)



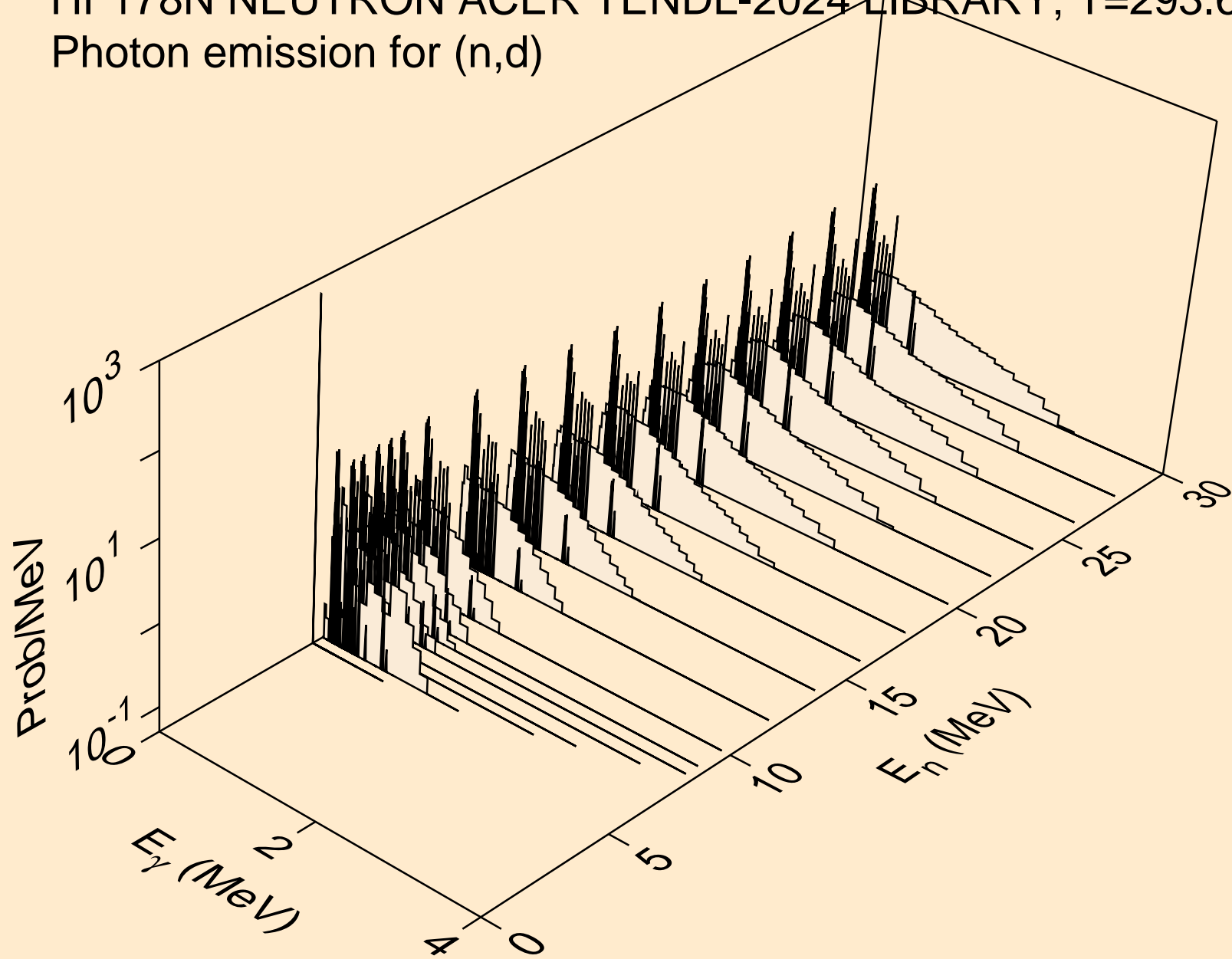
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,gma)



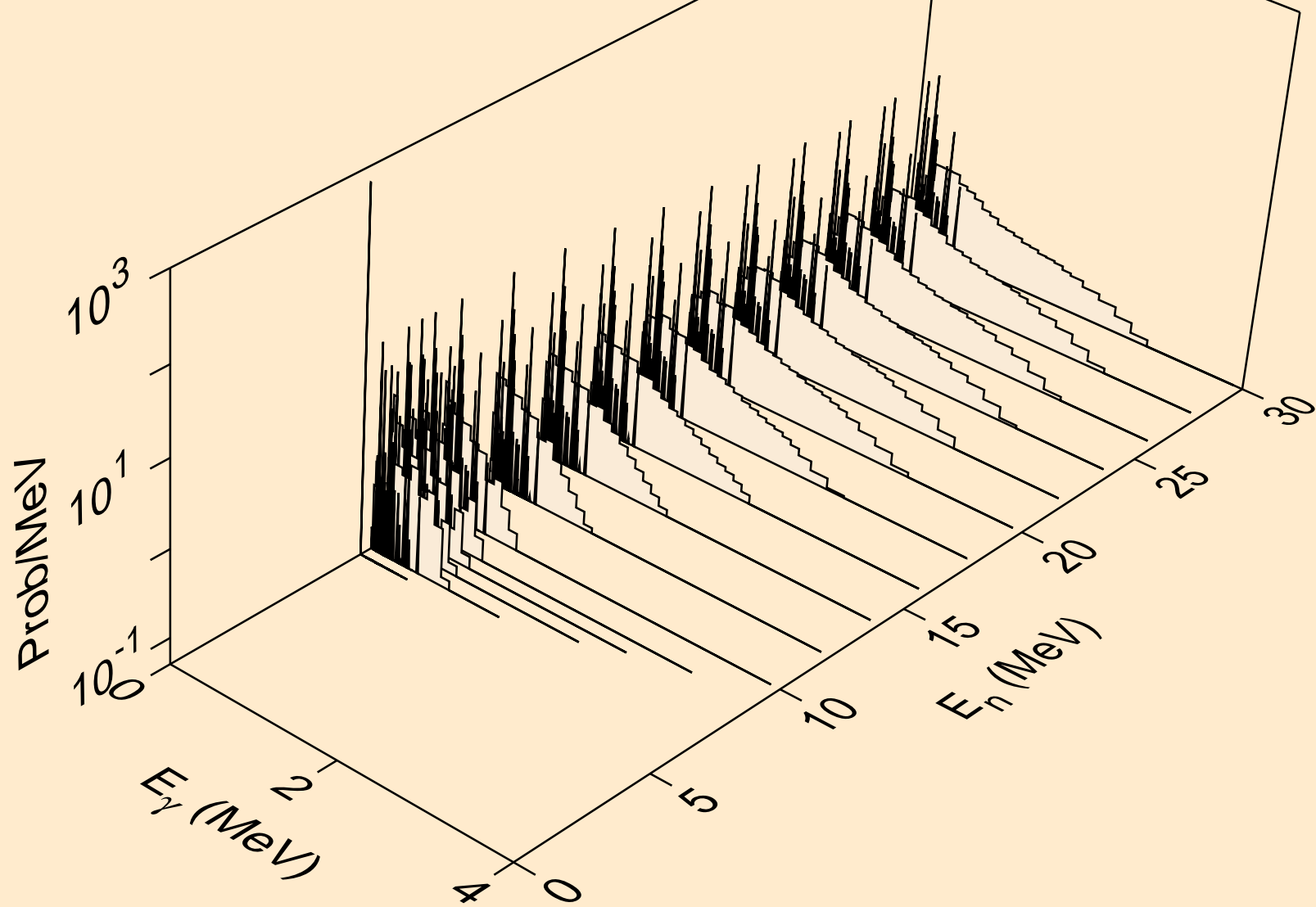
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)



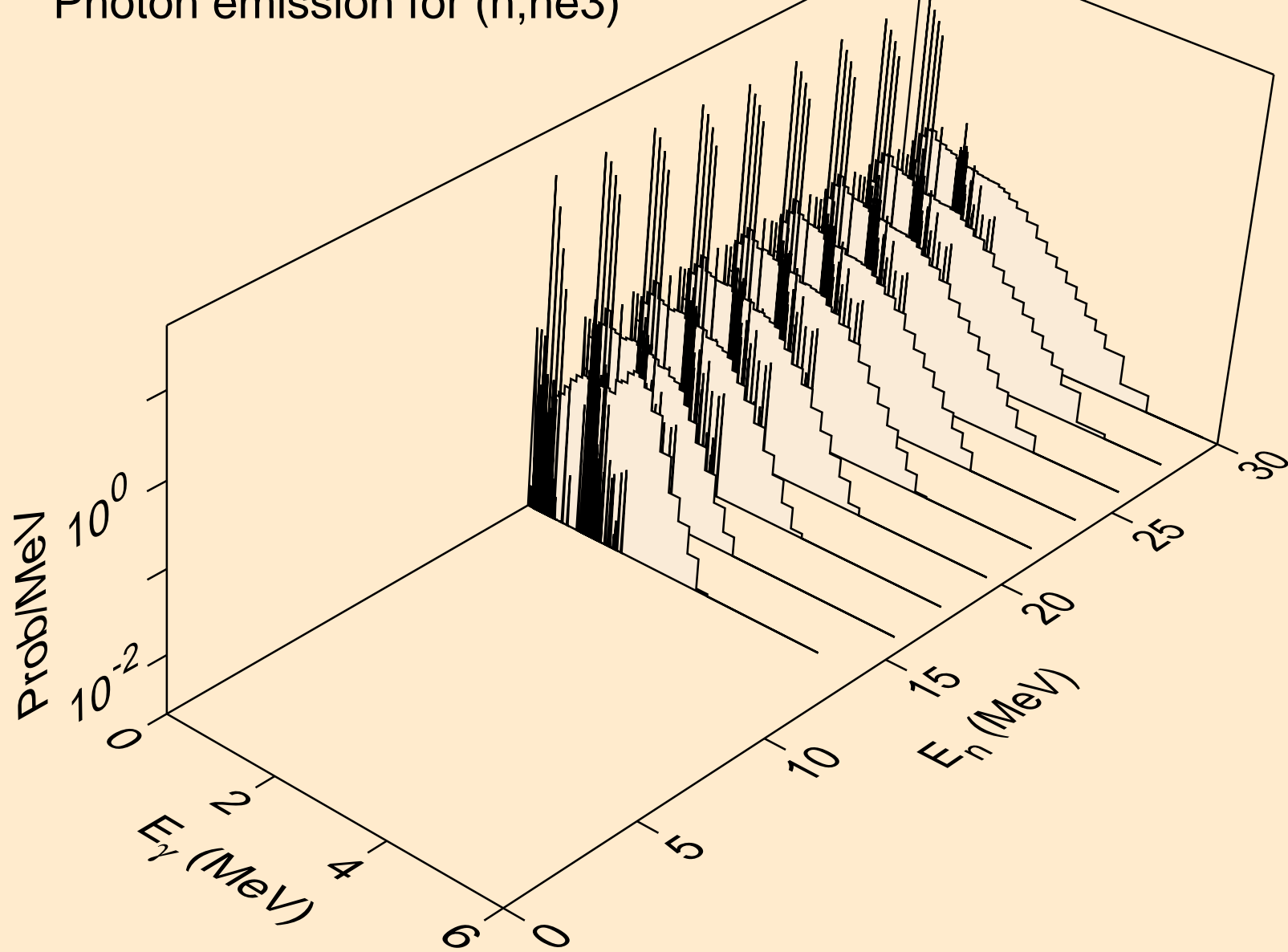
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,d)



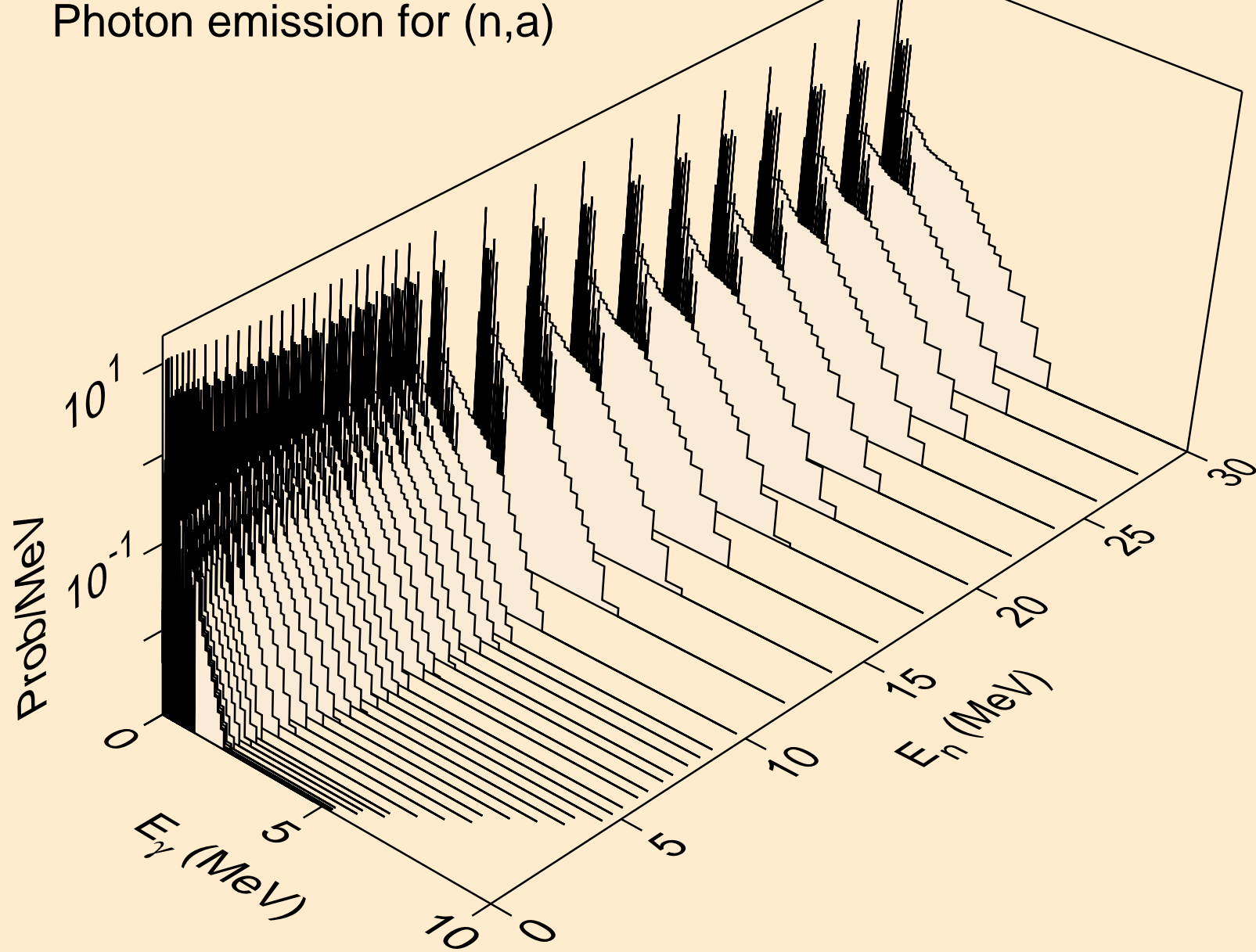
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,t)



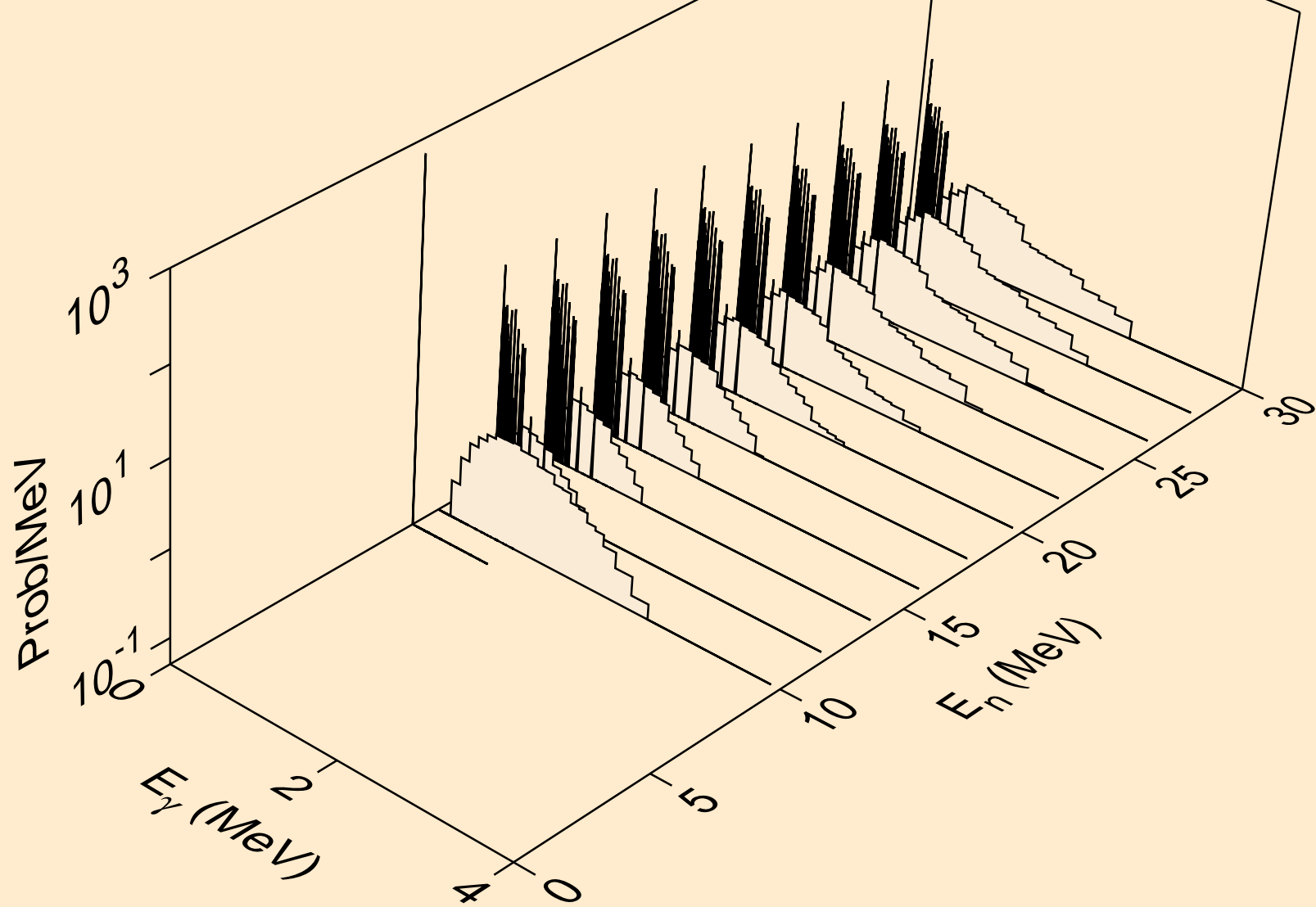
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,he3)



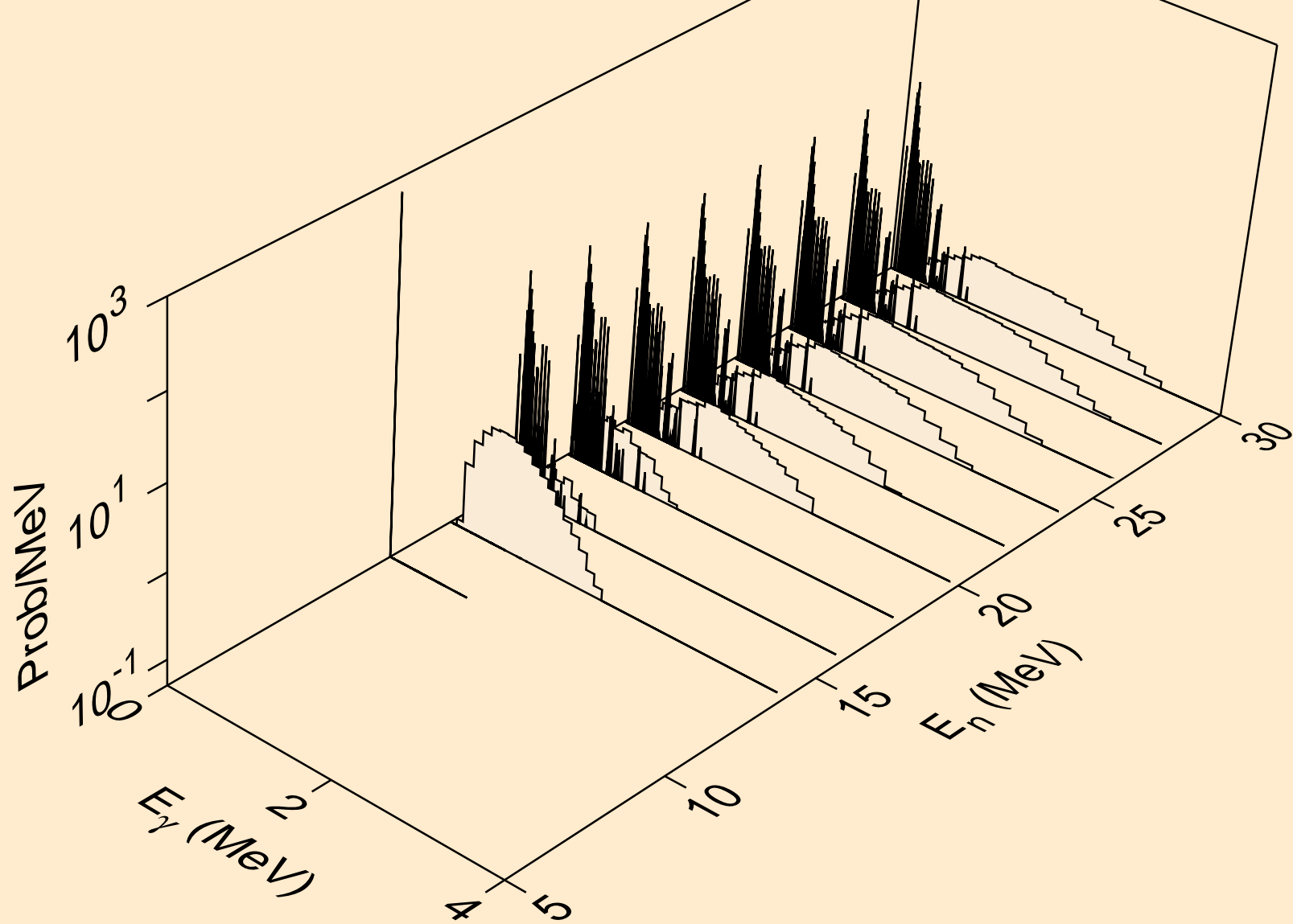
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,a)



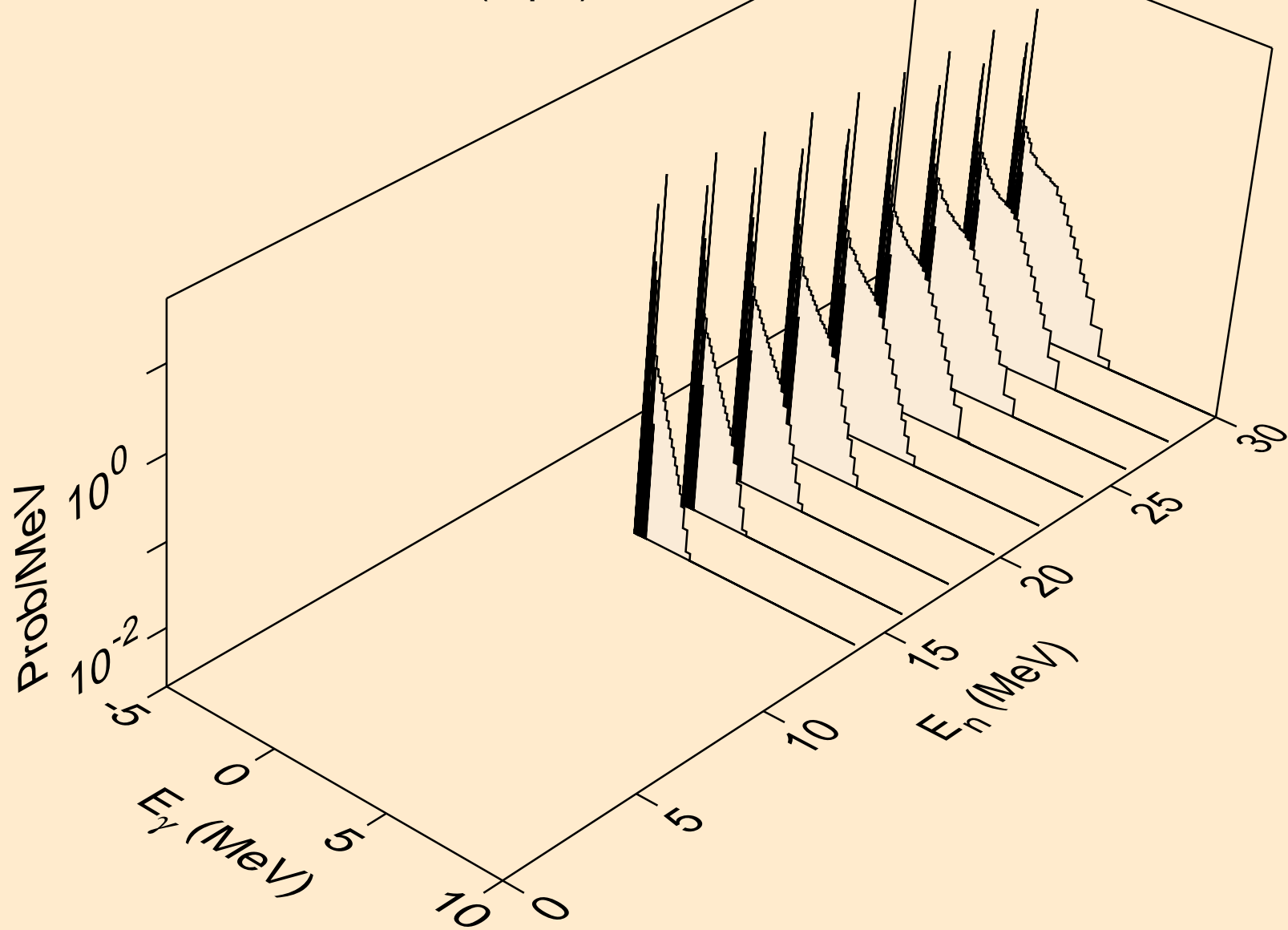
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2a)



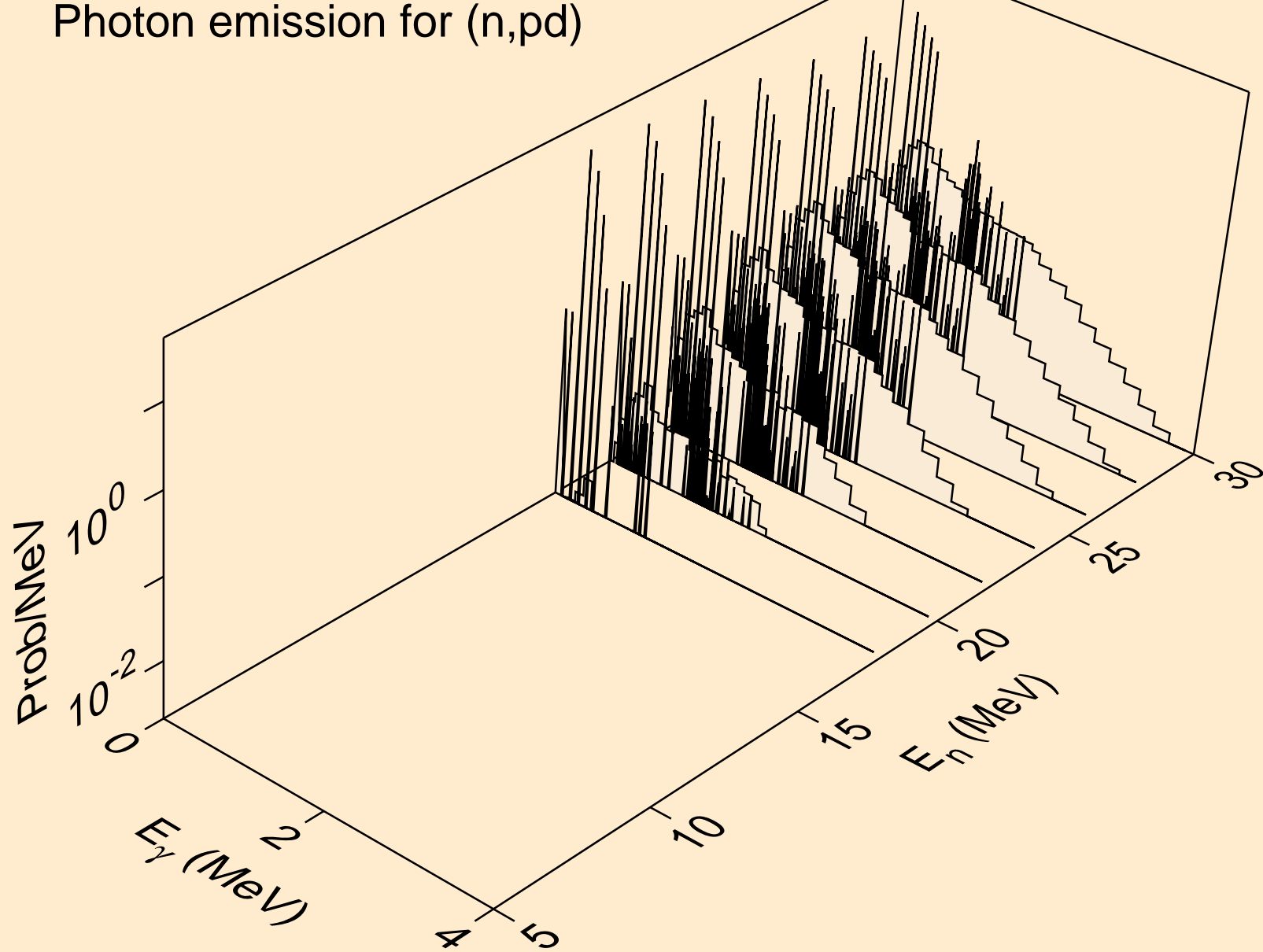
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,2p)



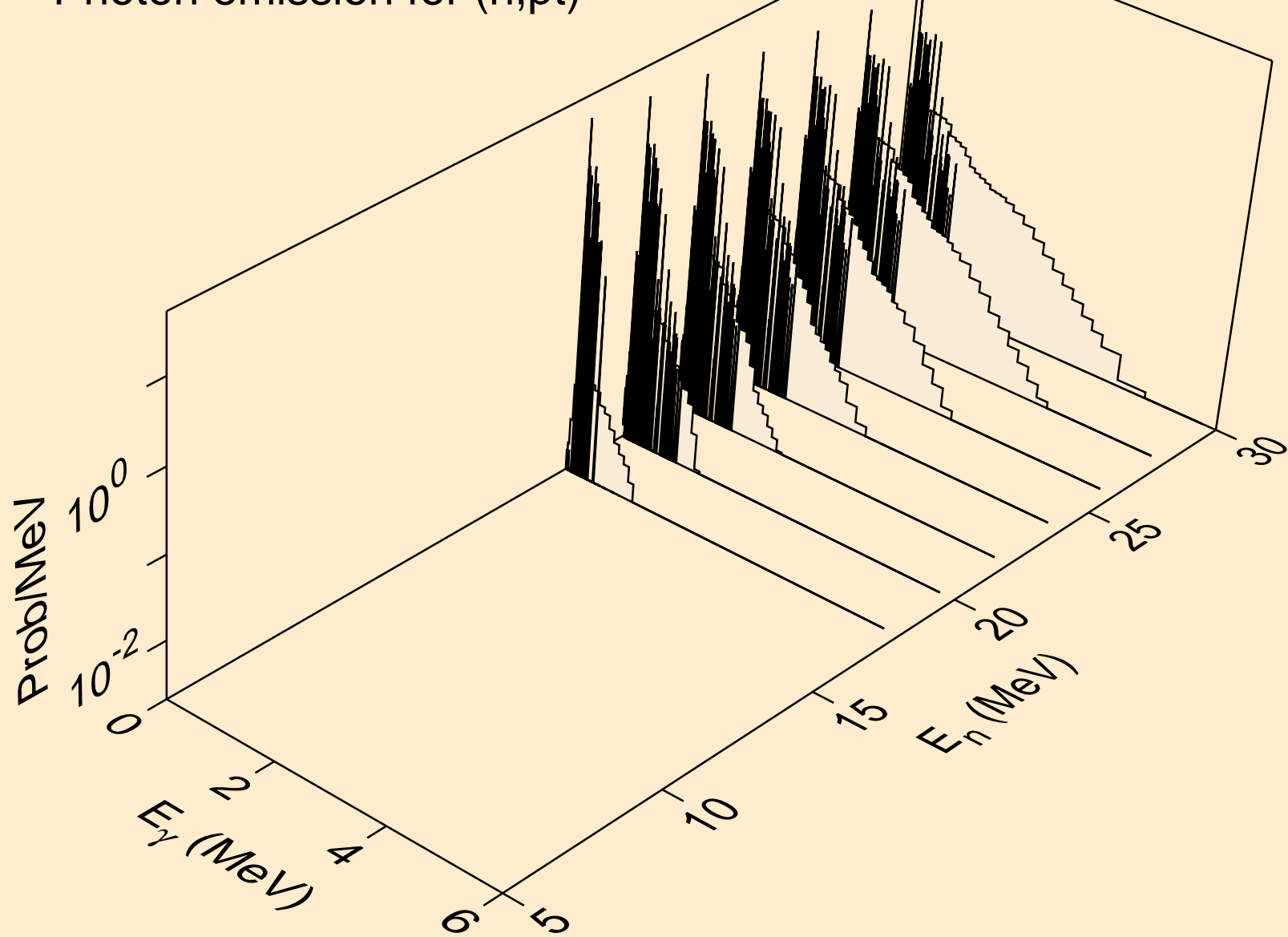
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,p)



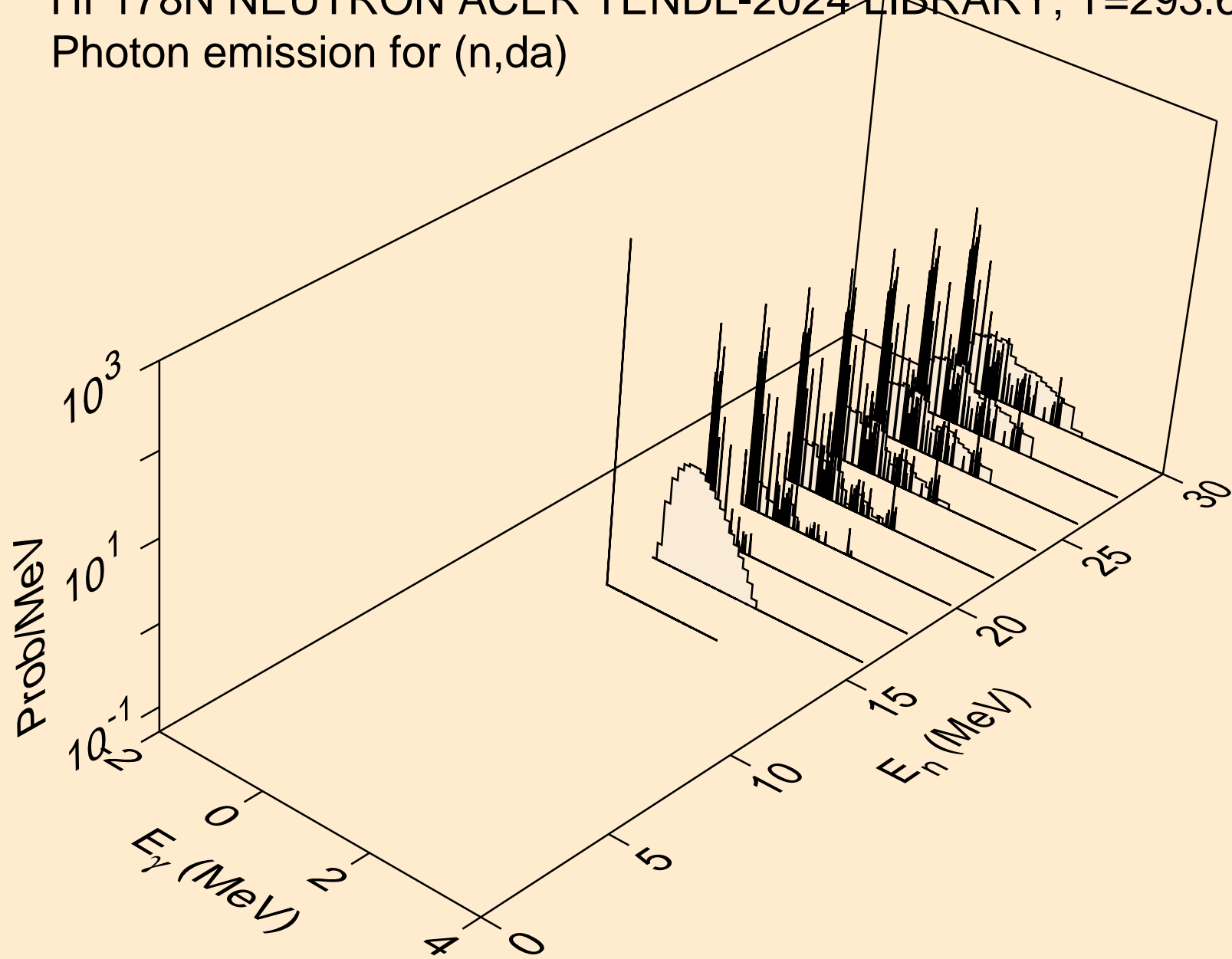
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pd)



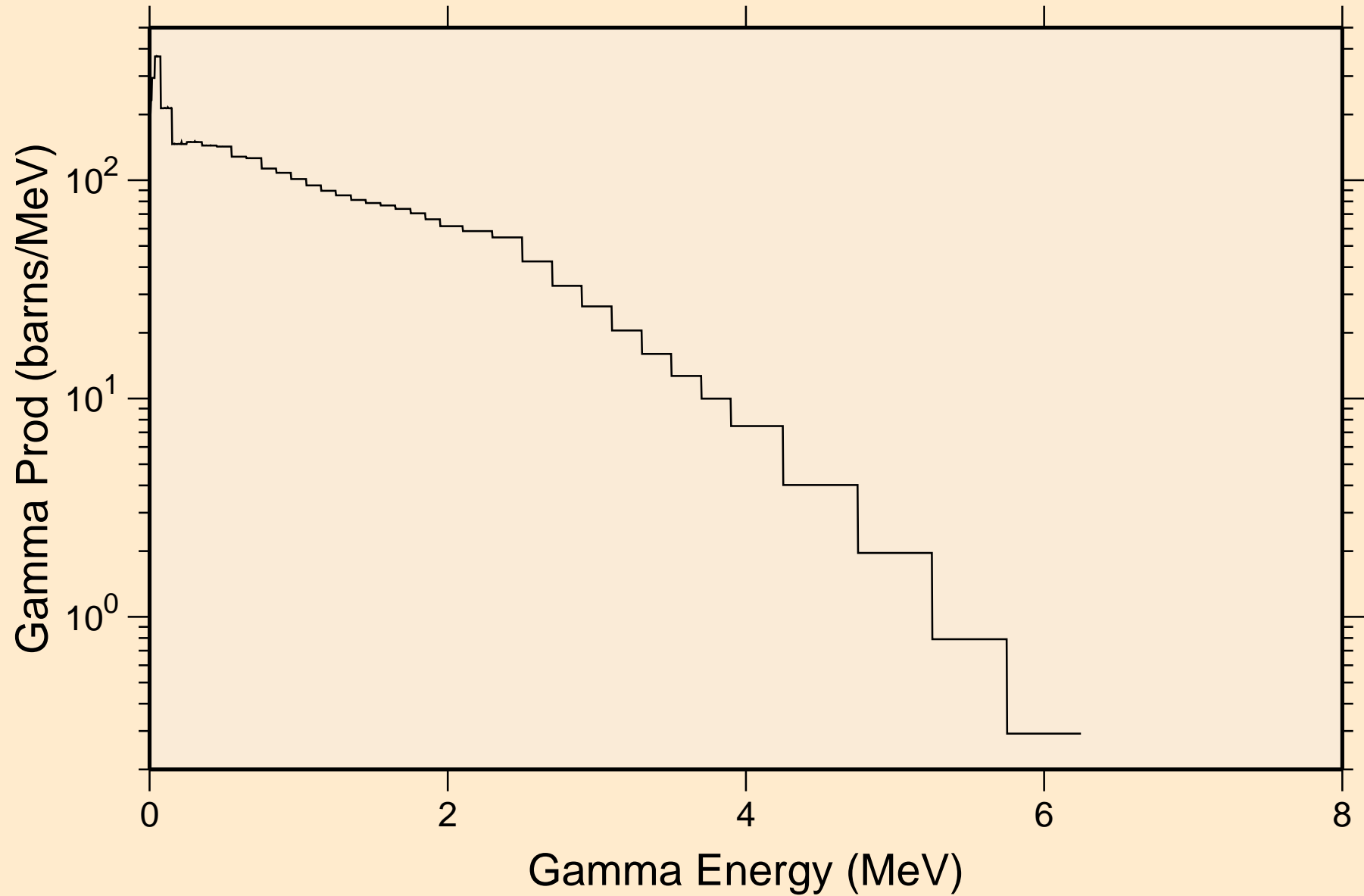
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,pt)



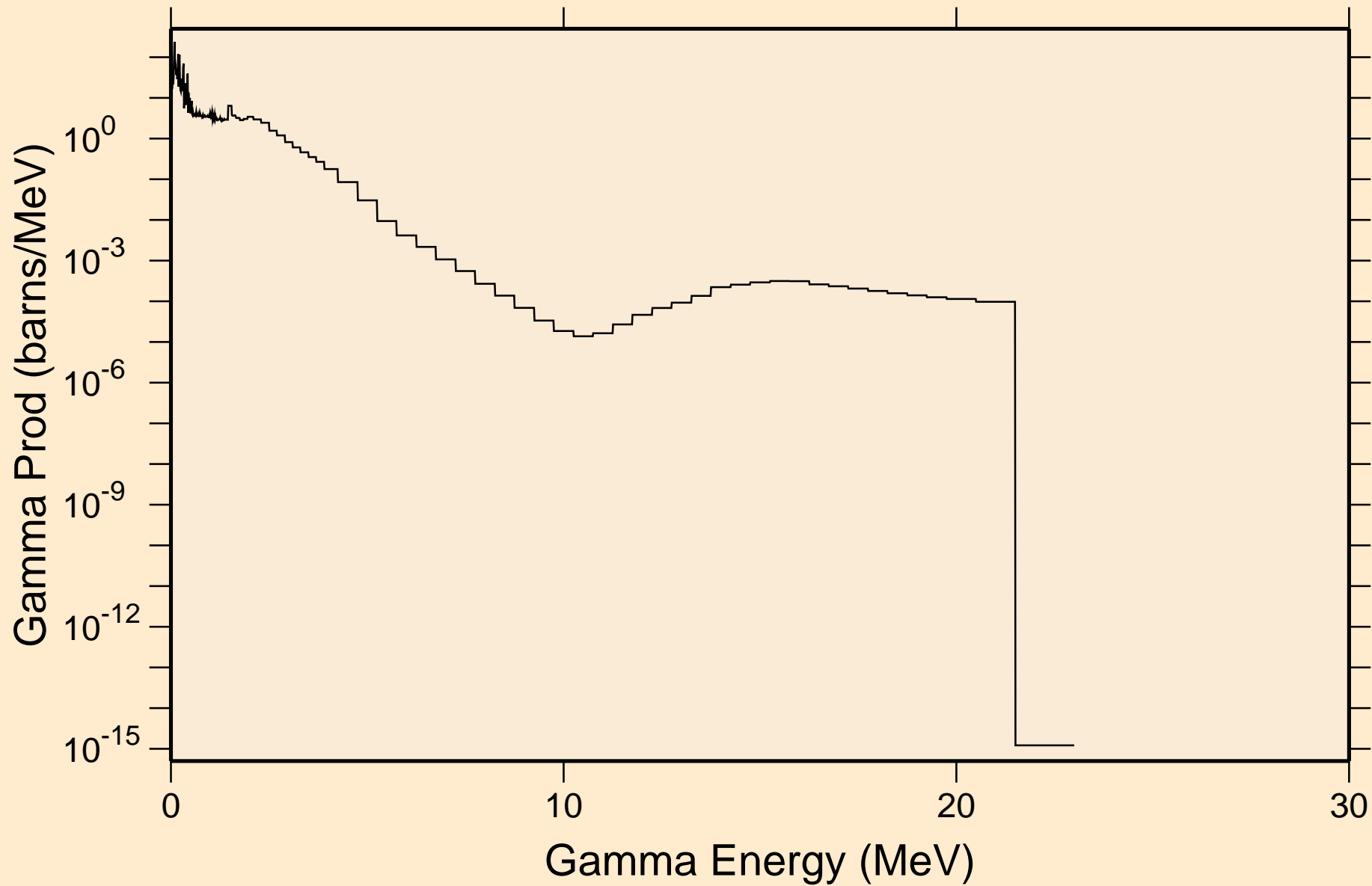
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Photon emission for (n,da)



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
thermal capture photon spectrum

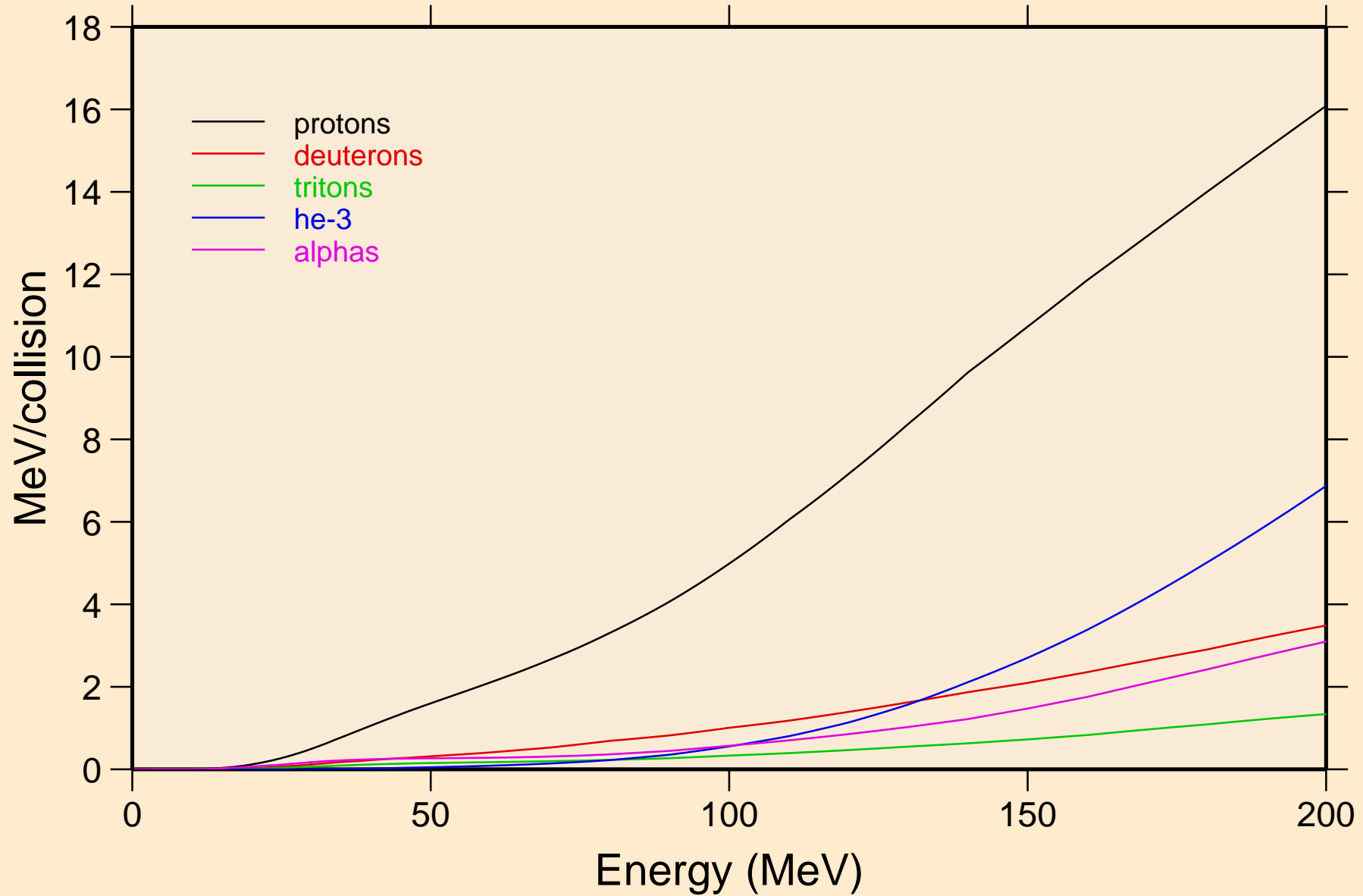


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
14 MeV photon spectrum

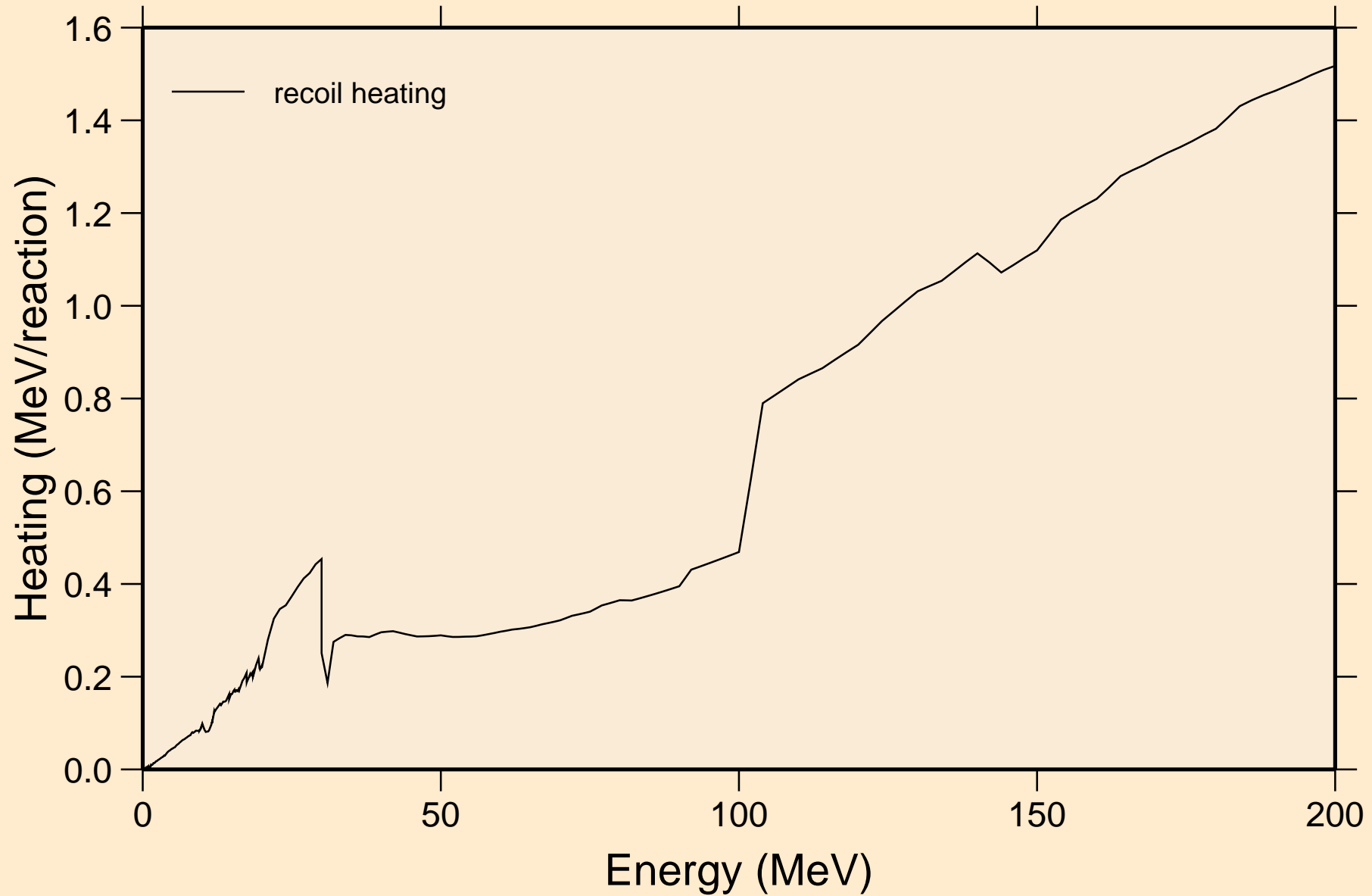


HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

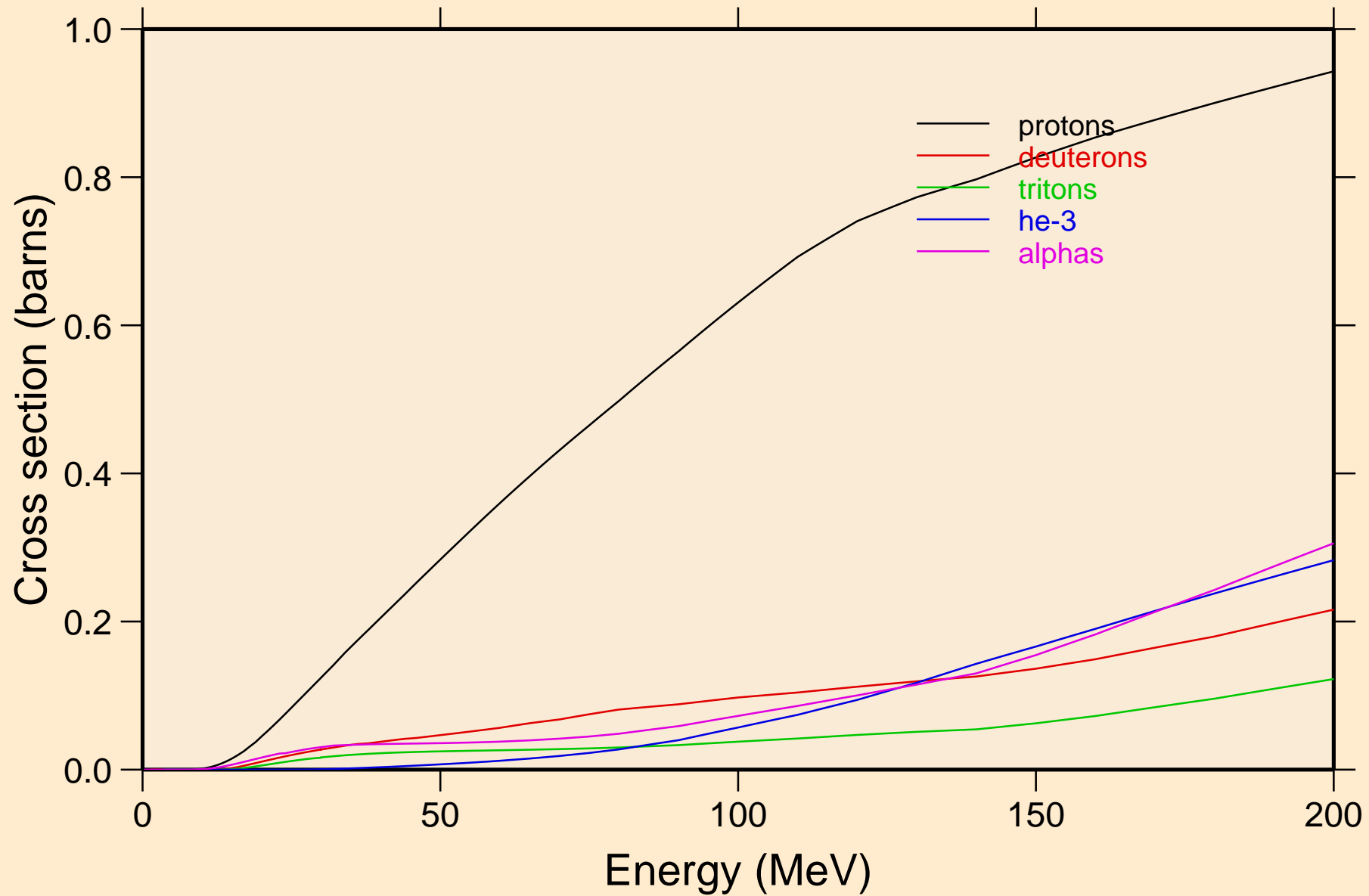
Particle heating contributions



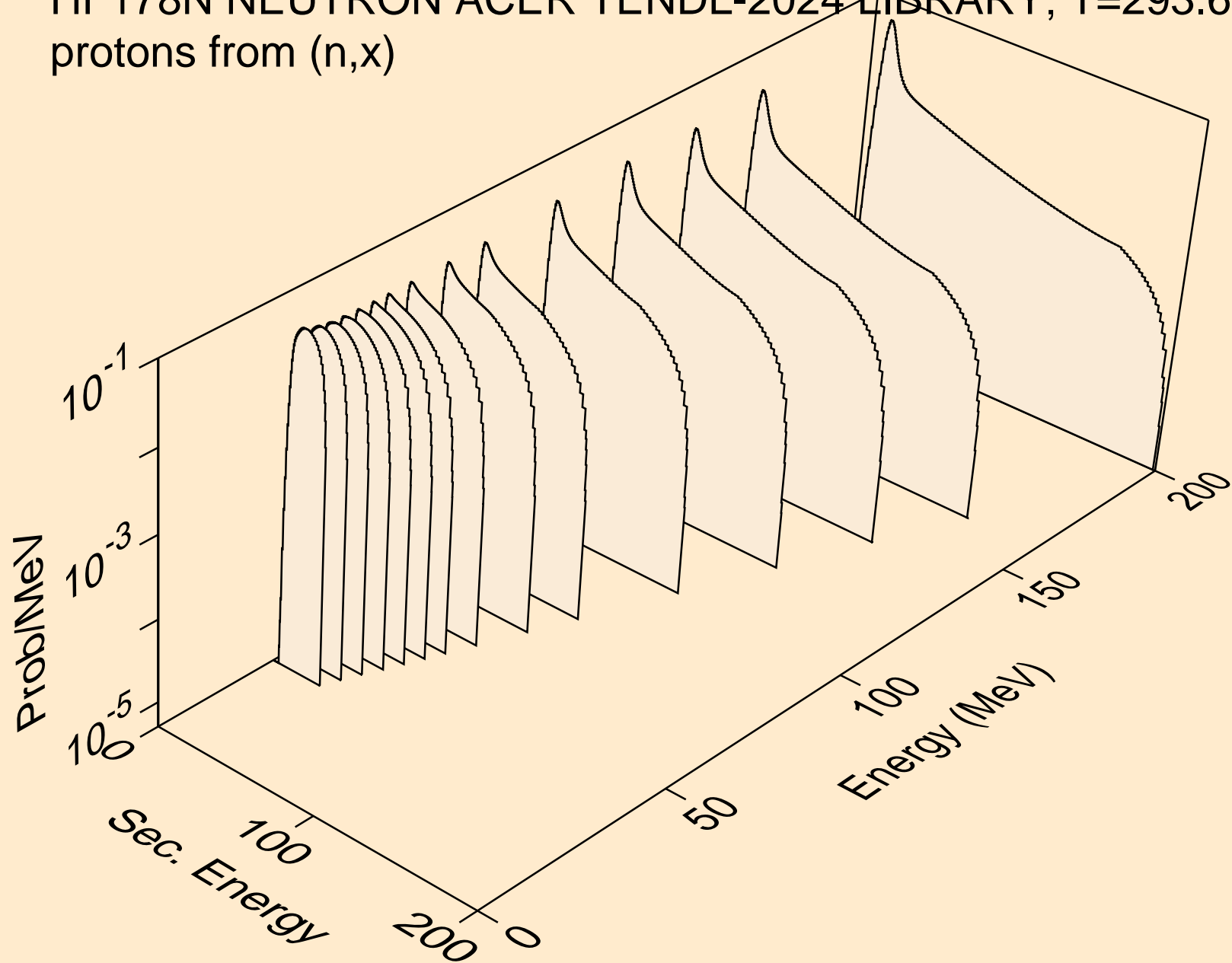
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Recoil Heating



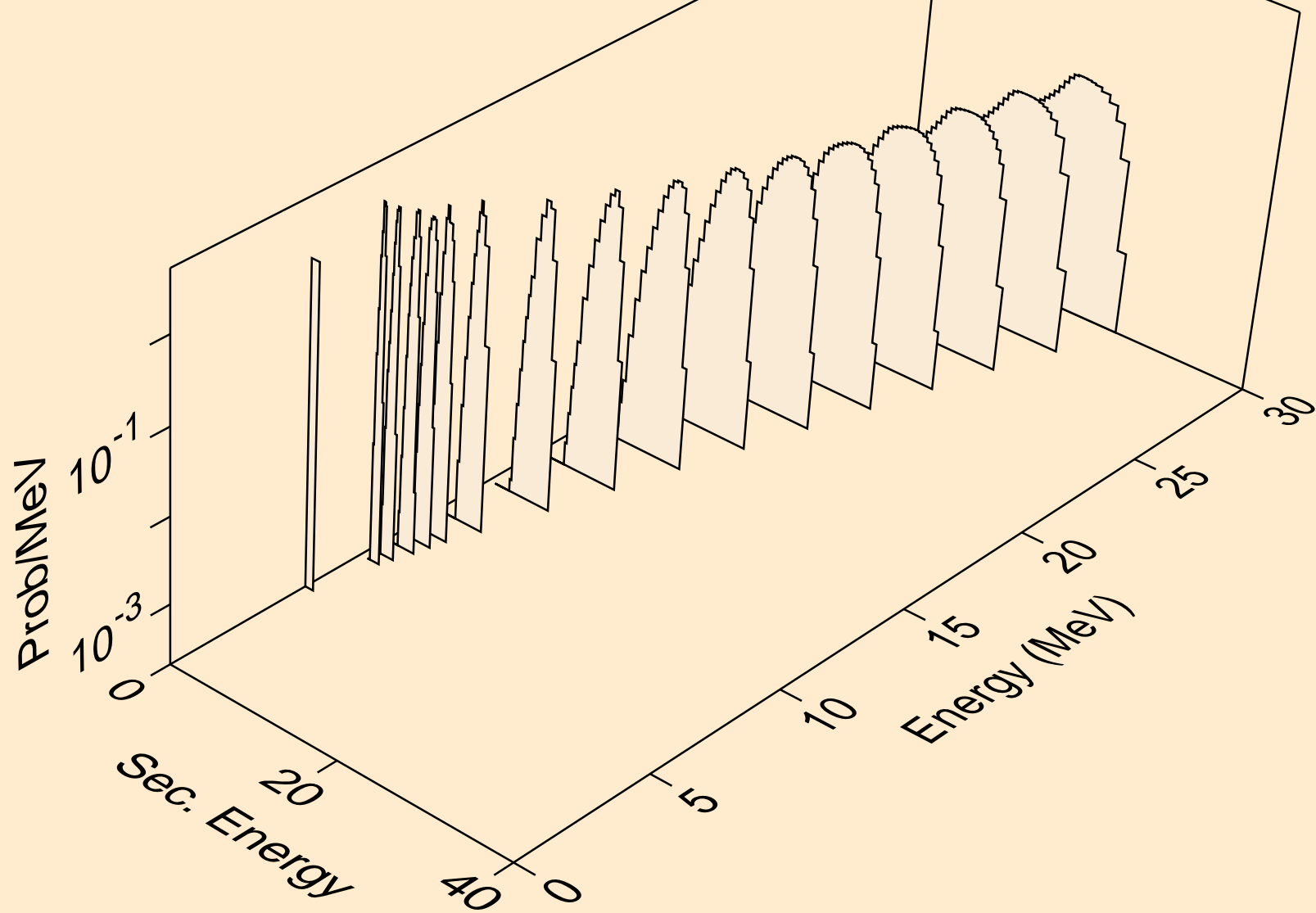
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
Particle production cross sections



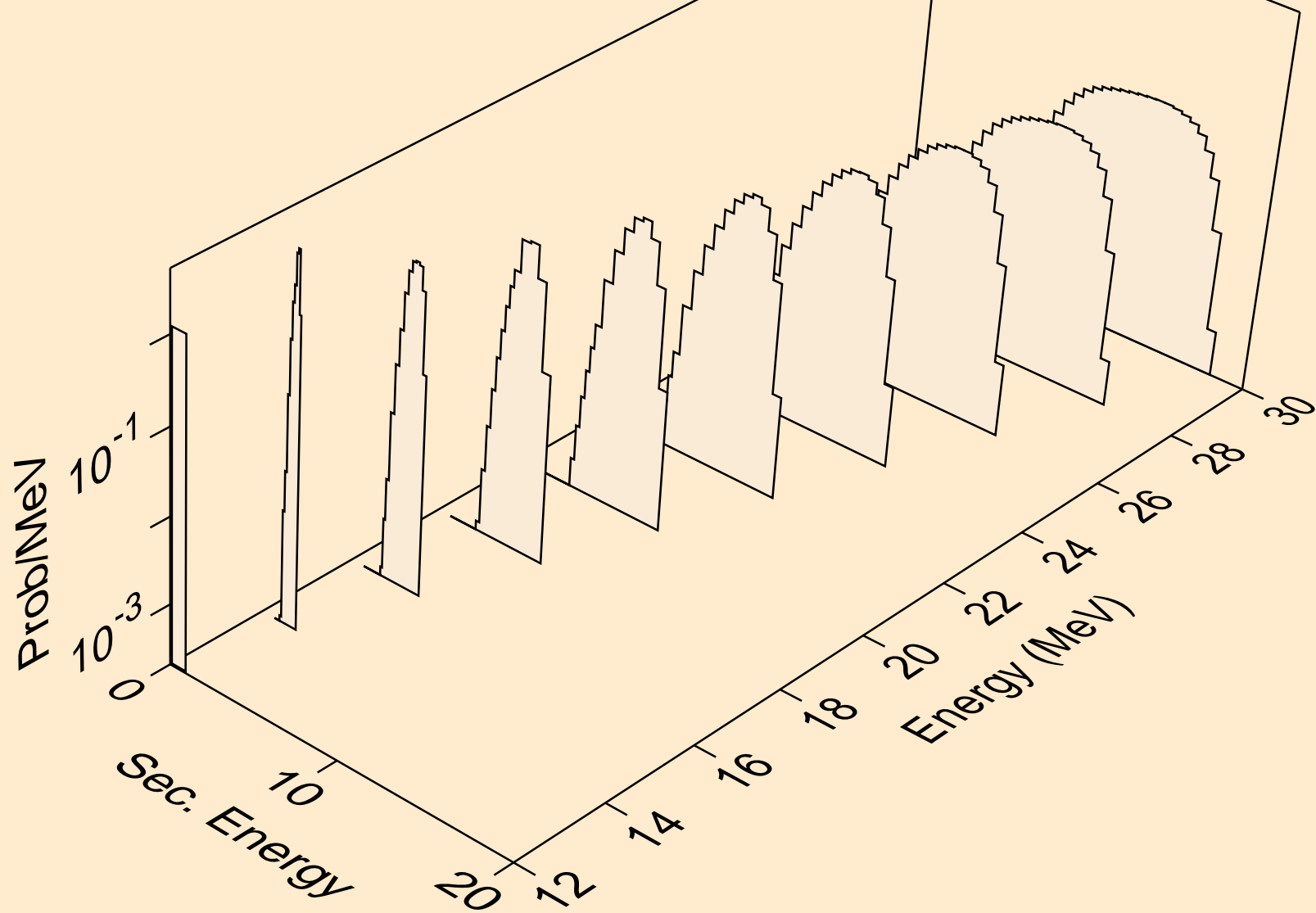
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,x)



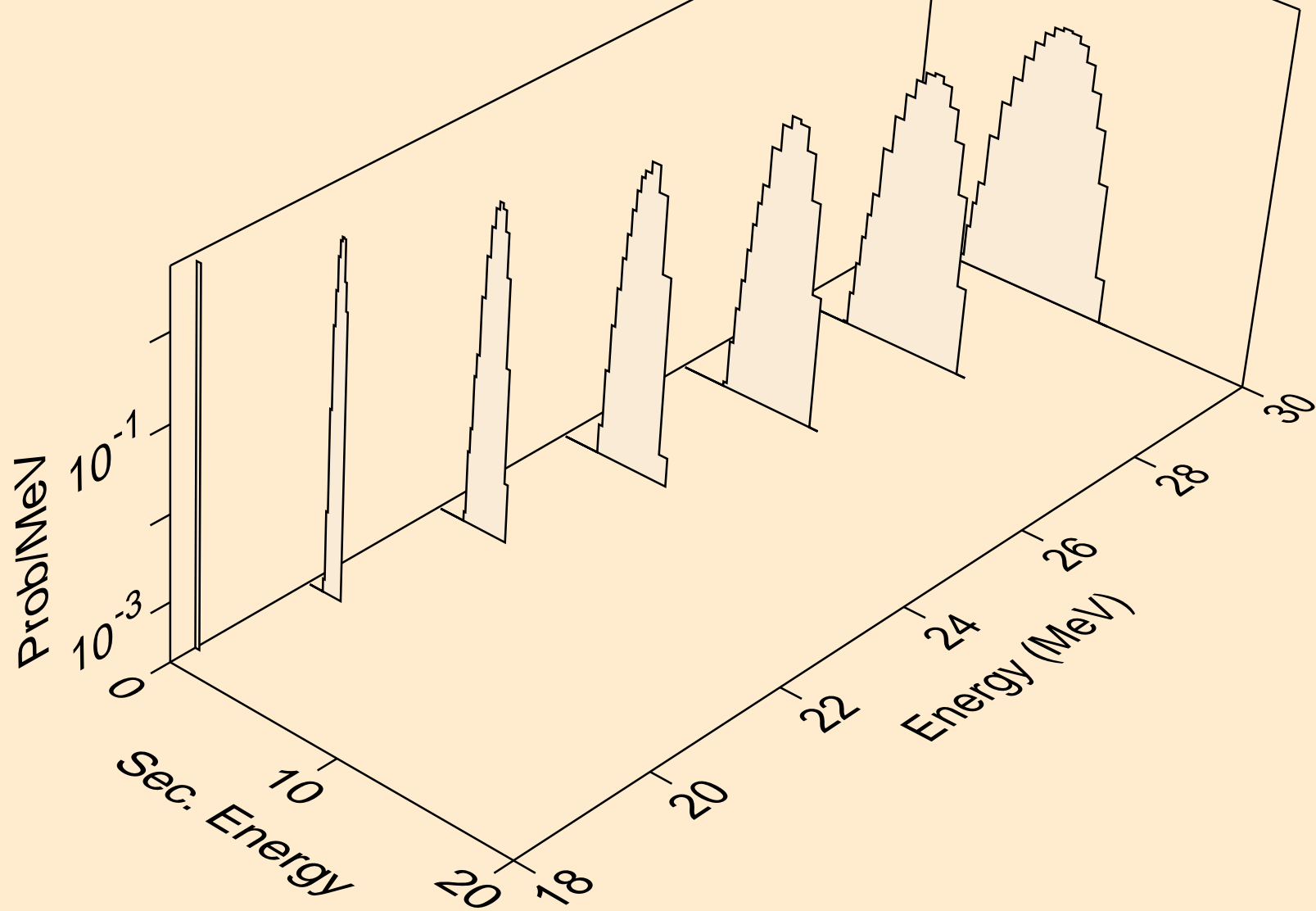
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n*)p



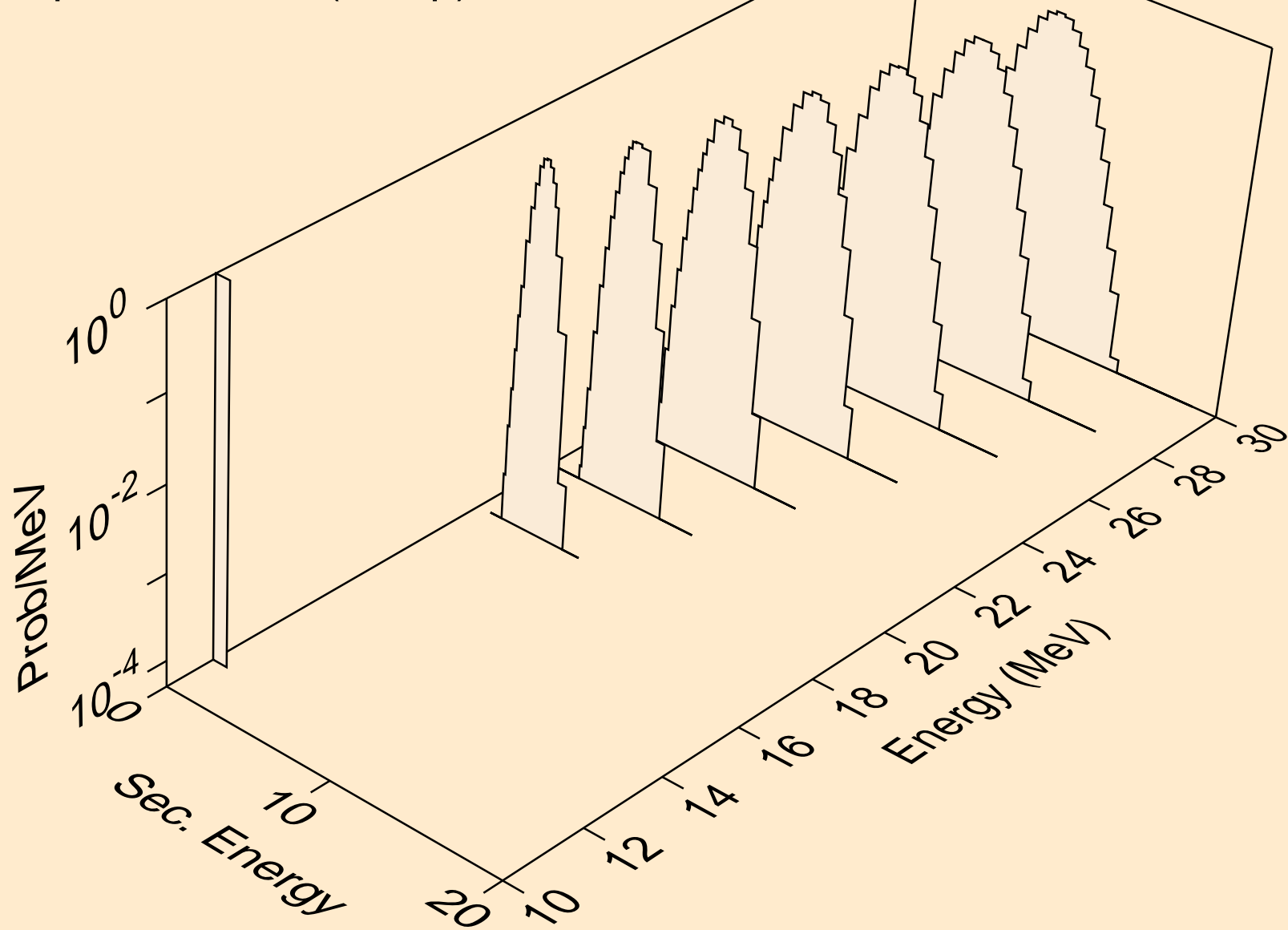
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,2np)



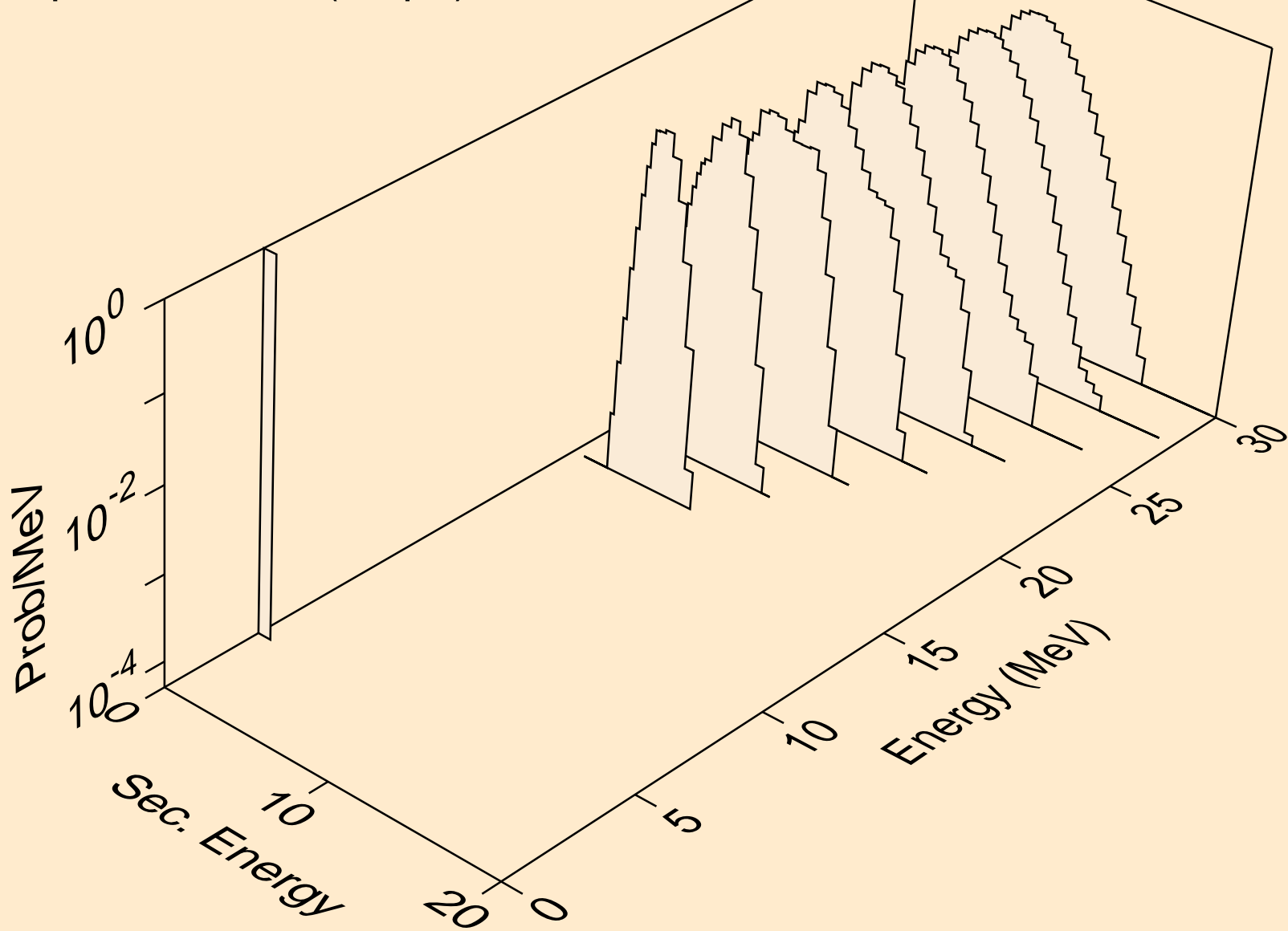
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protons from (n,3np)



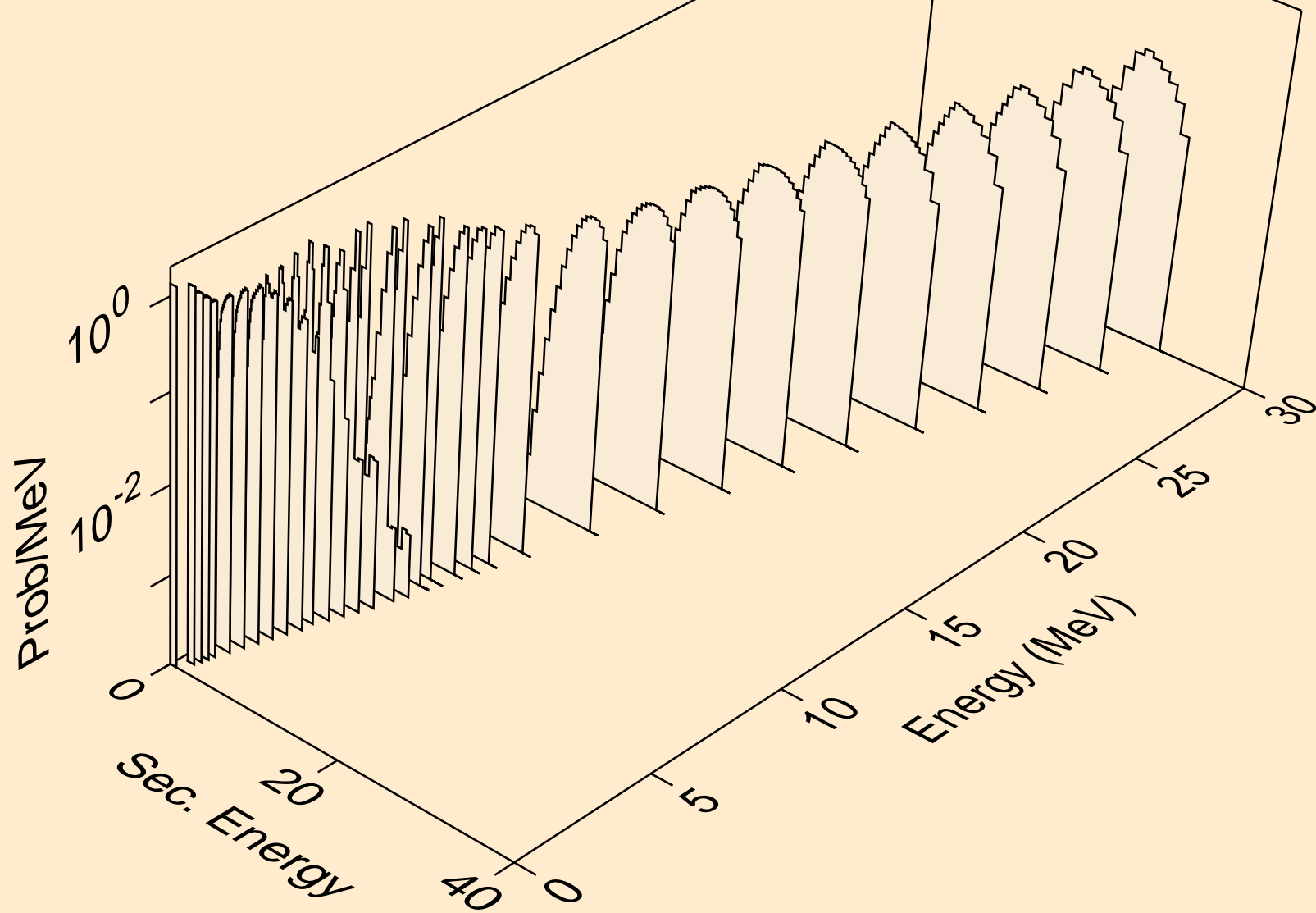
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,n2p)



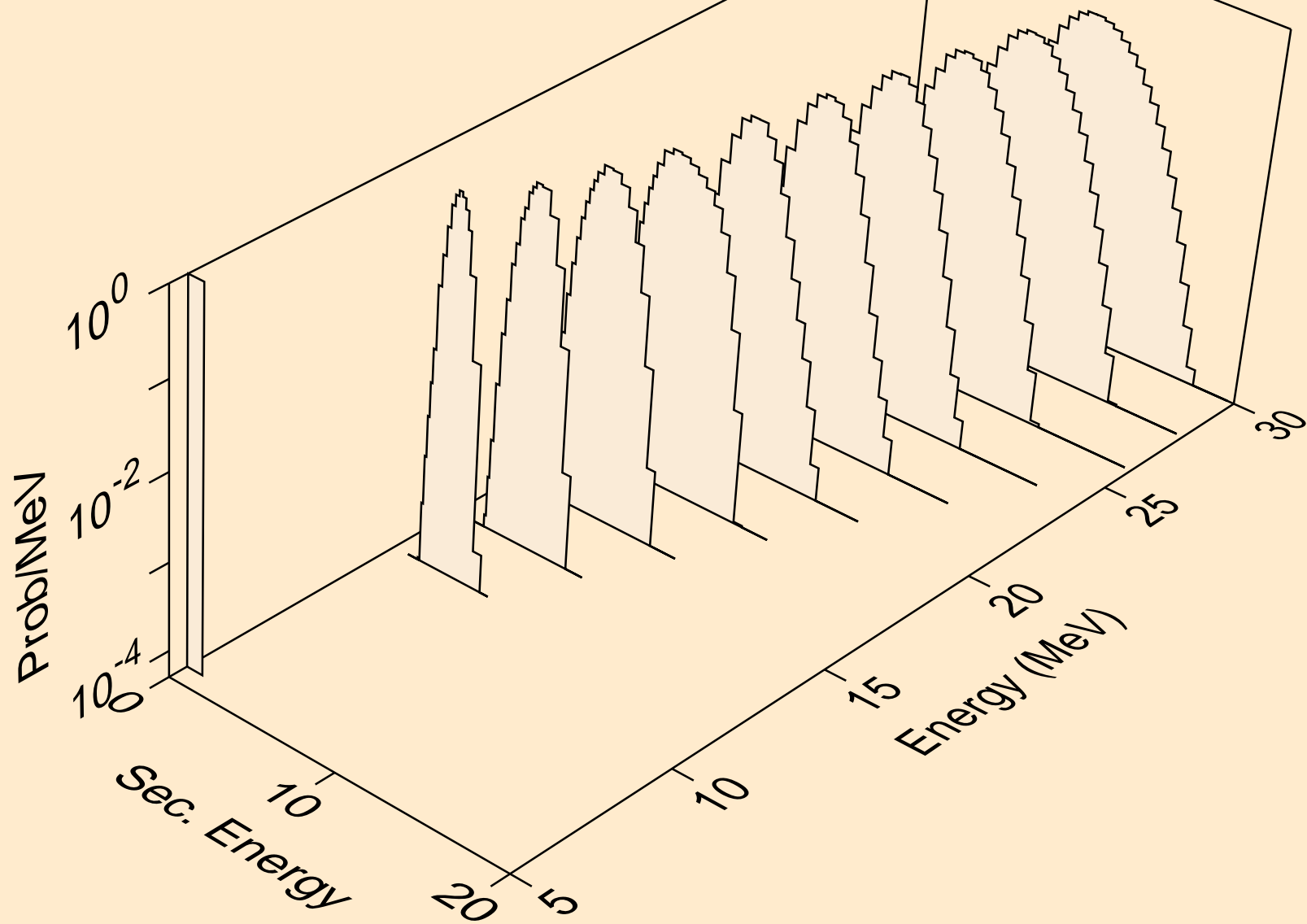
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
protons from (n,npa)



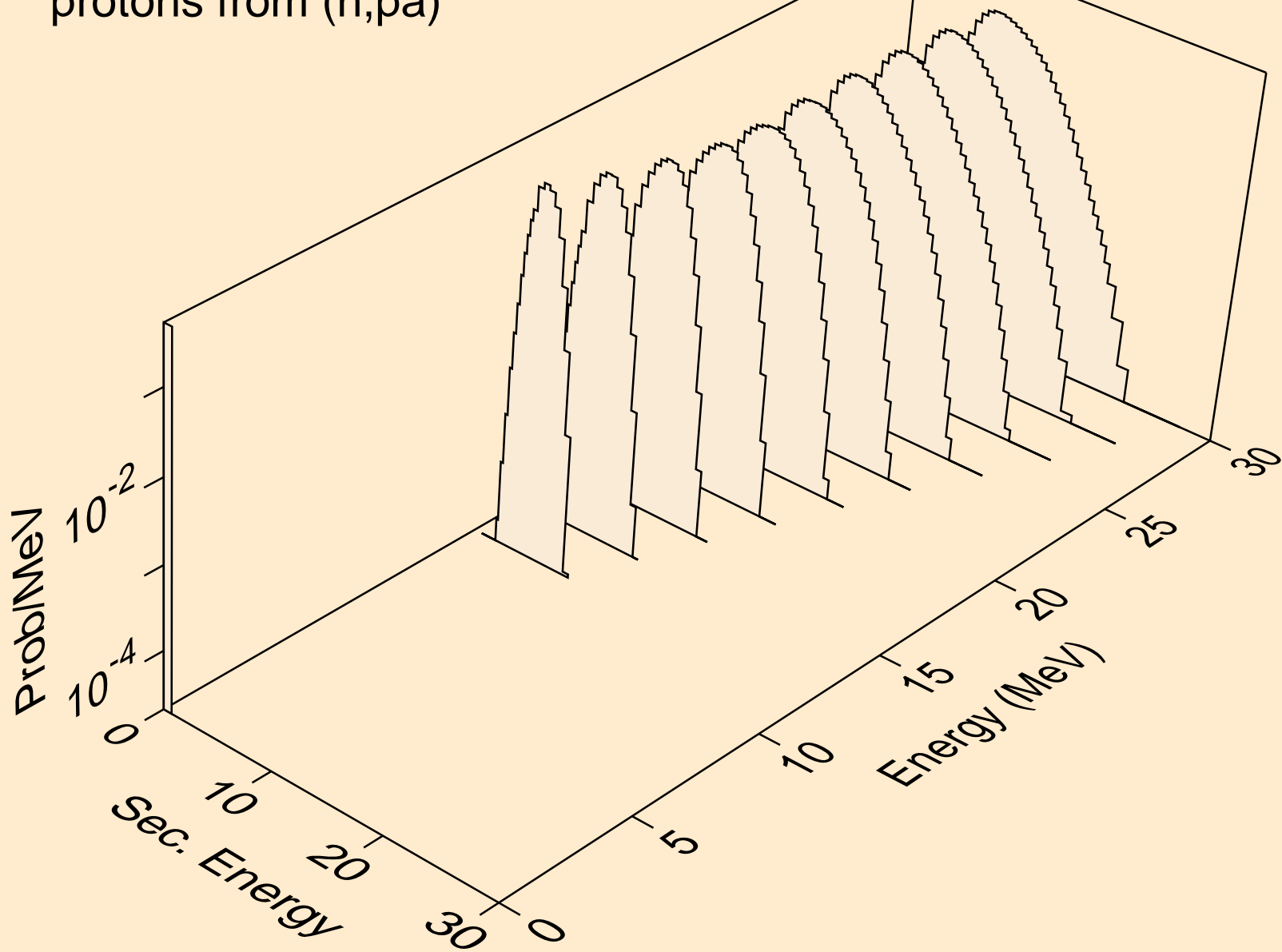
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protons from (n,p)



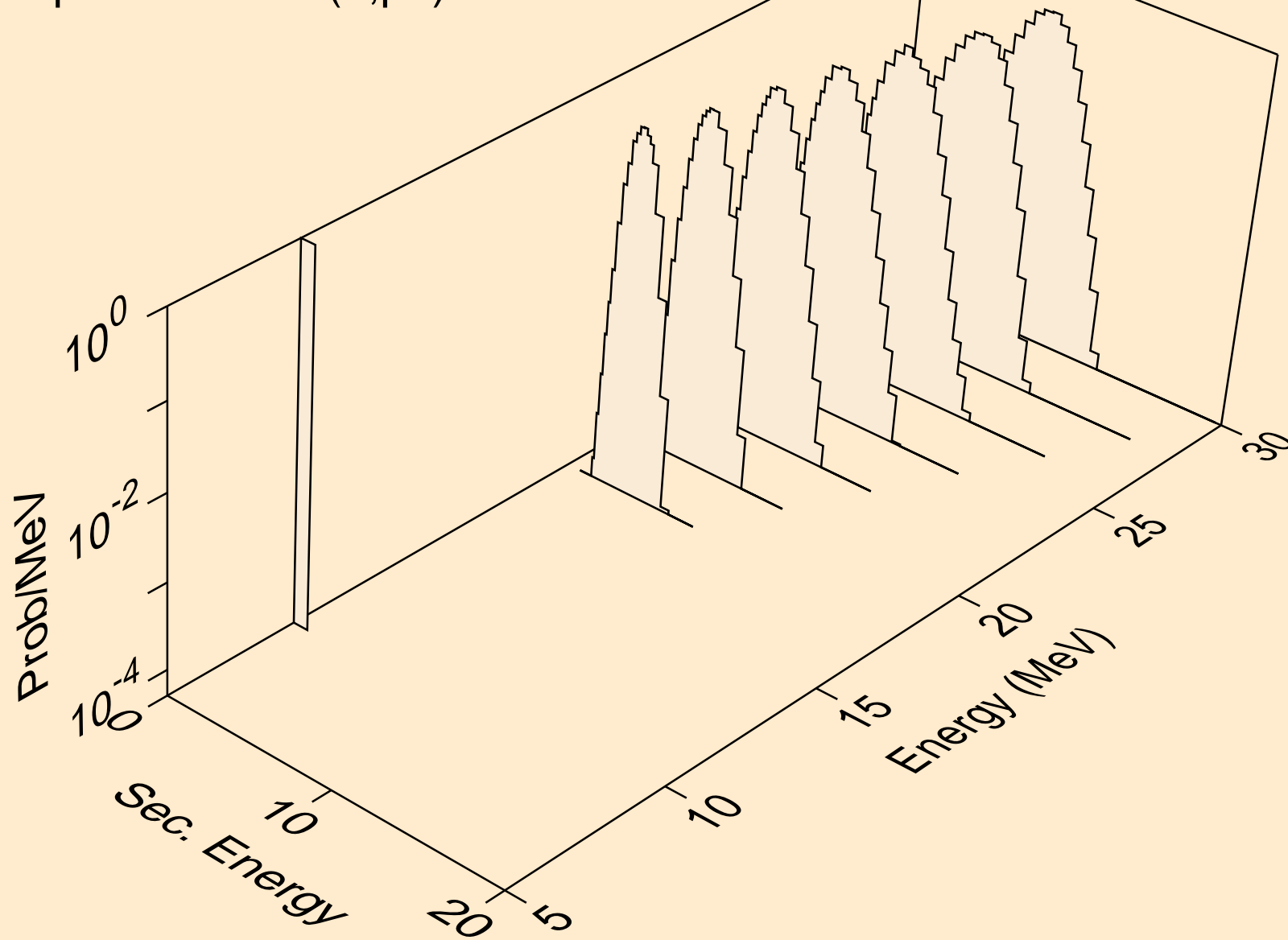
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protons from (n,2p)



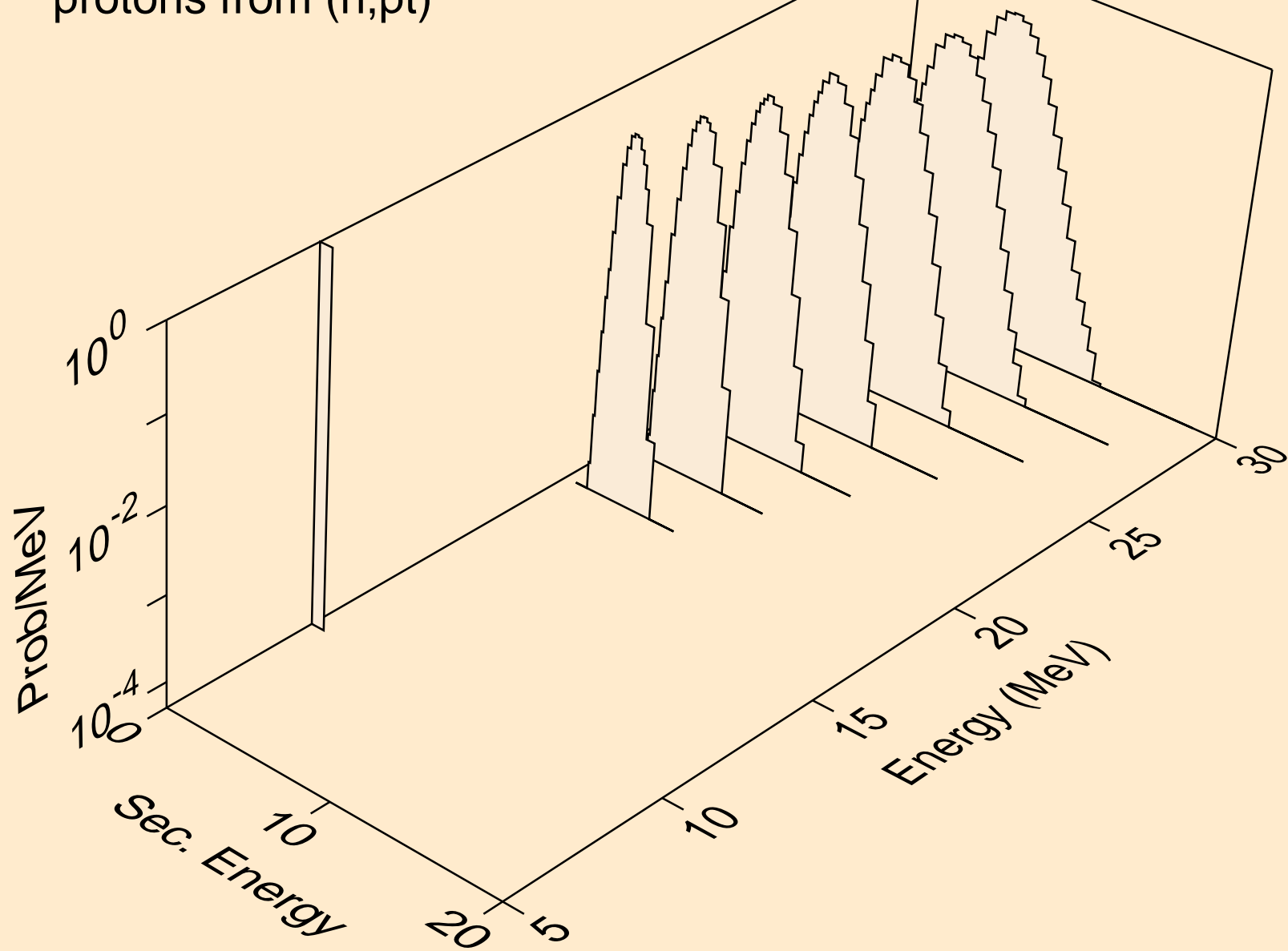
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protons from (n,p)



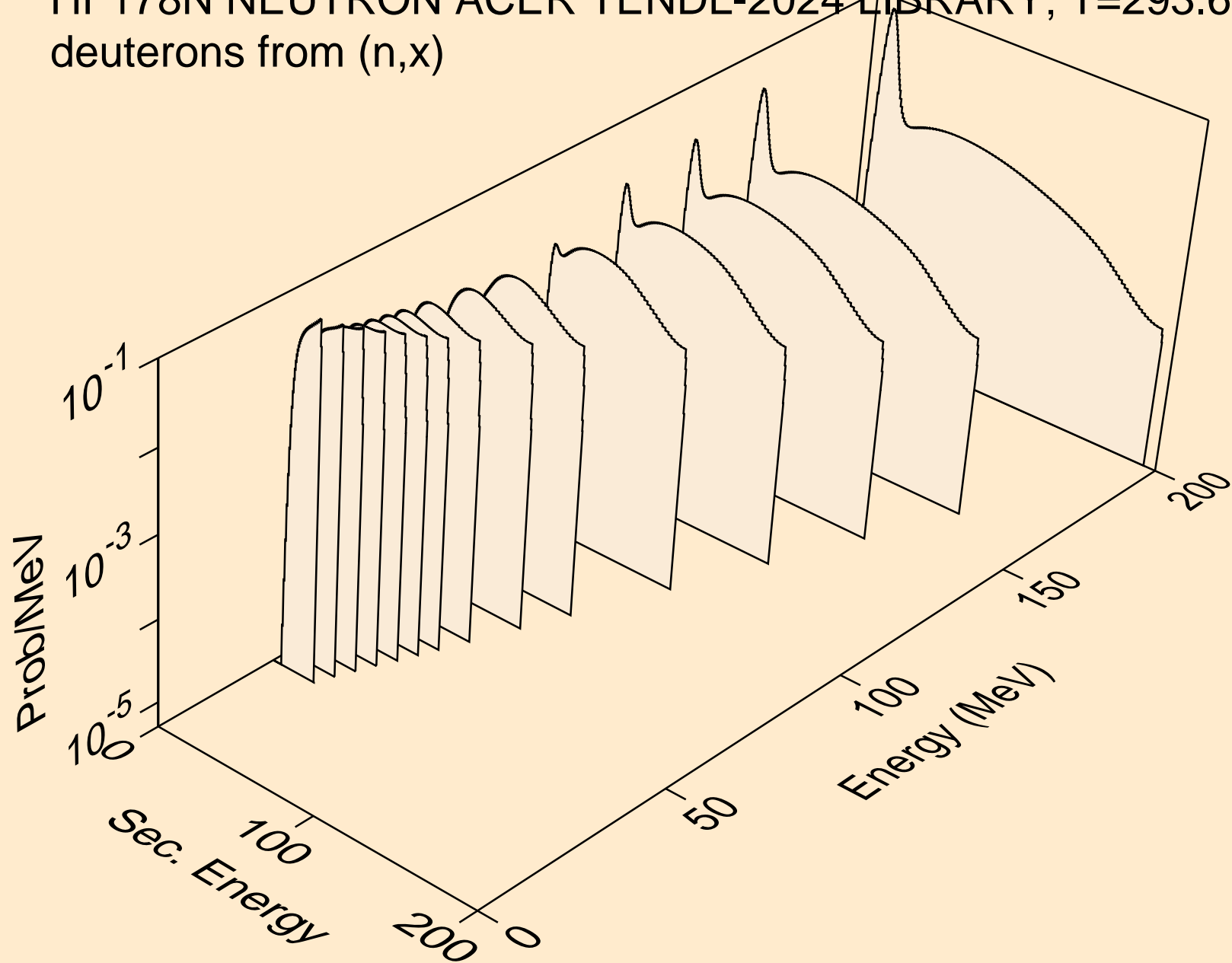
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protons from (n,pd)



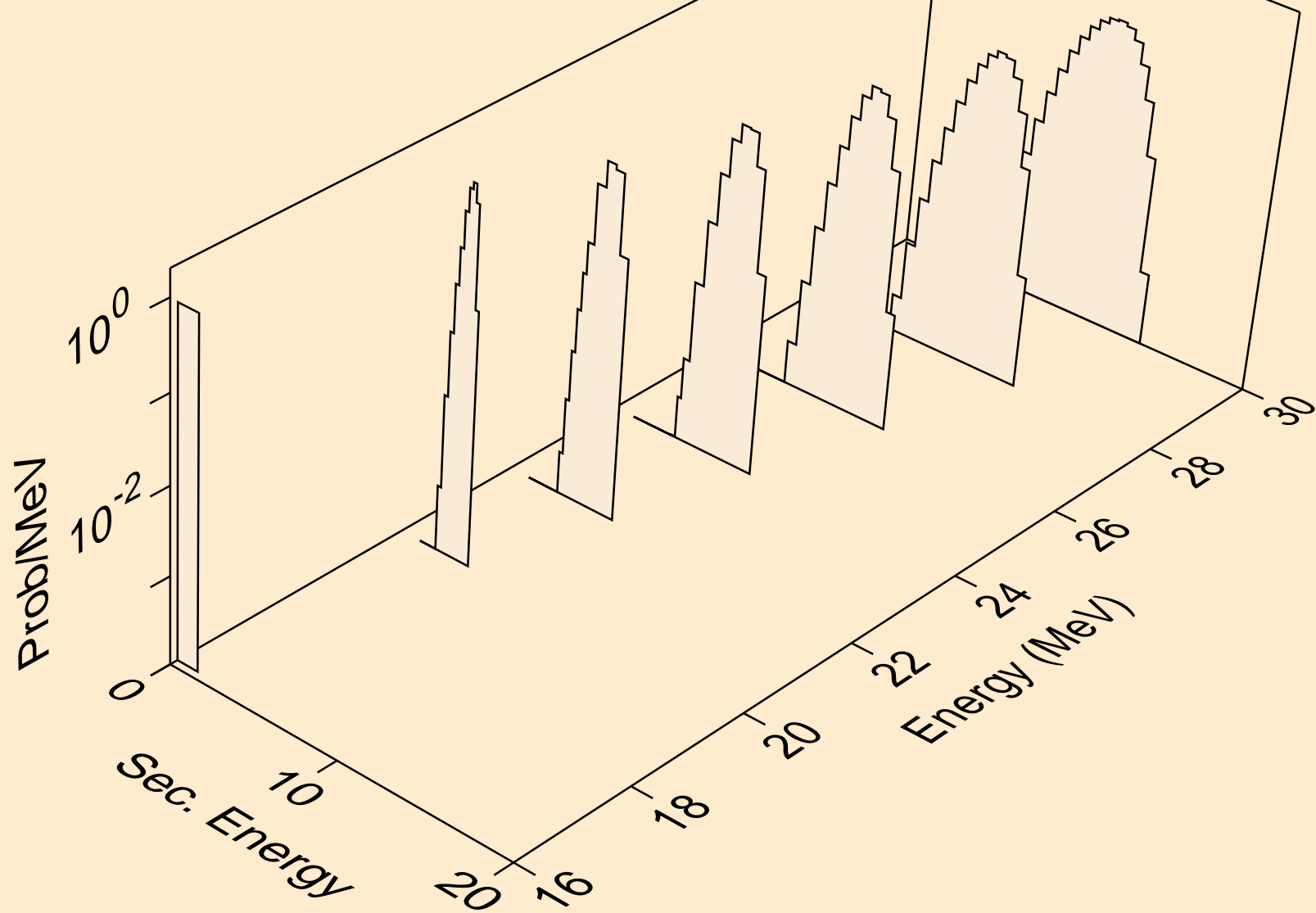
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protons from (n,pt)



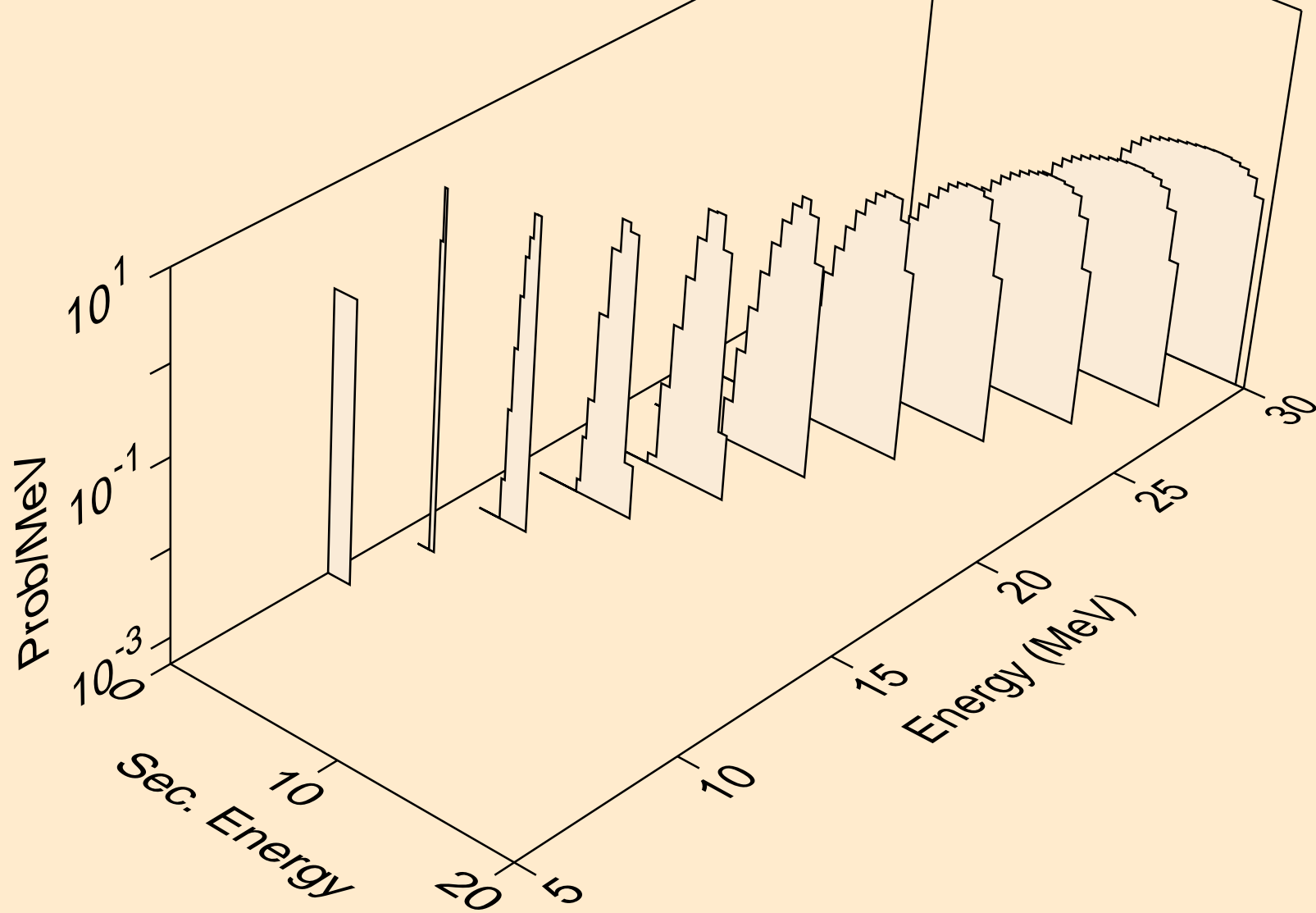
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,x)



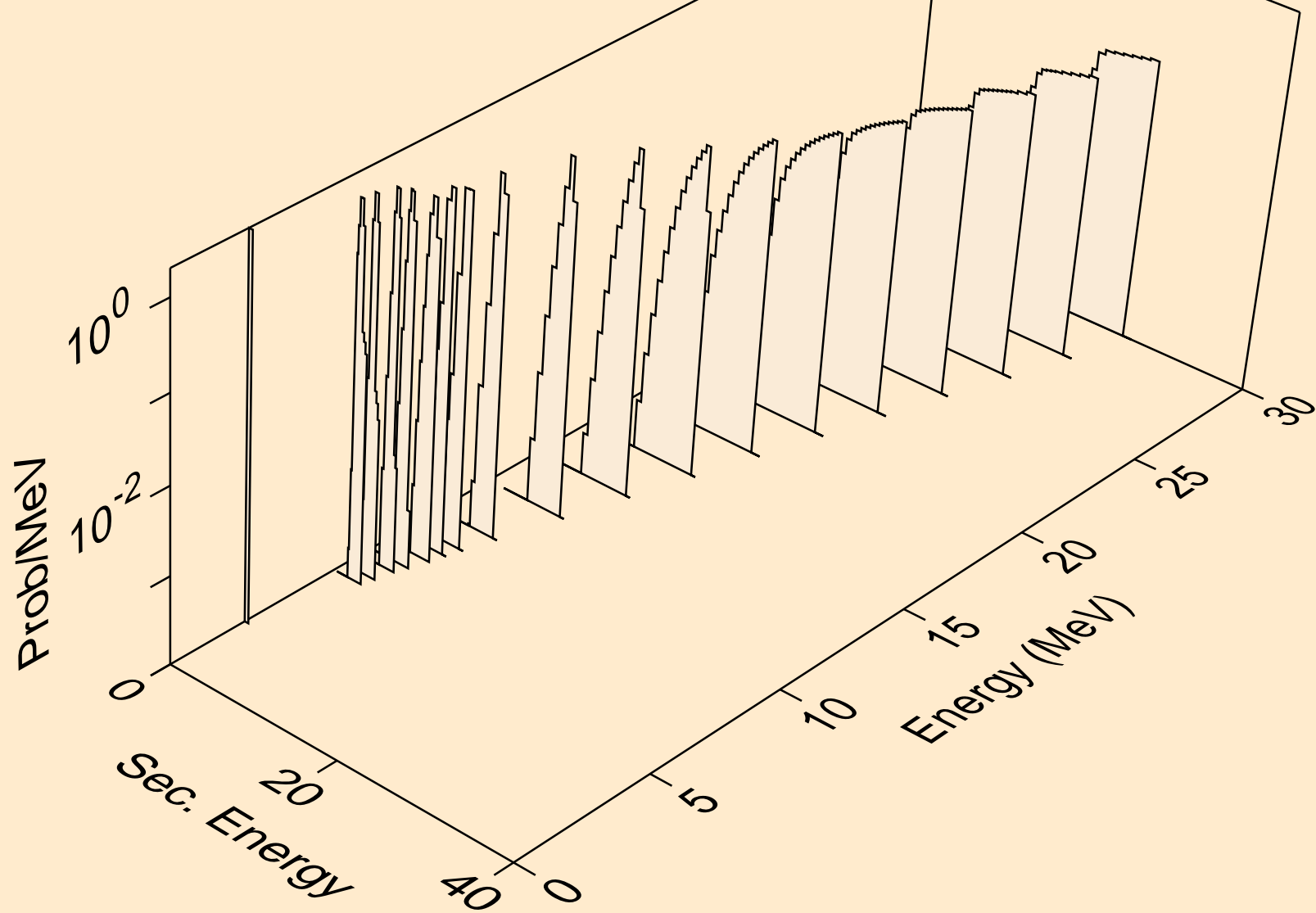
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deuterons from (n,2nd)



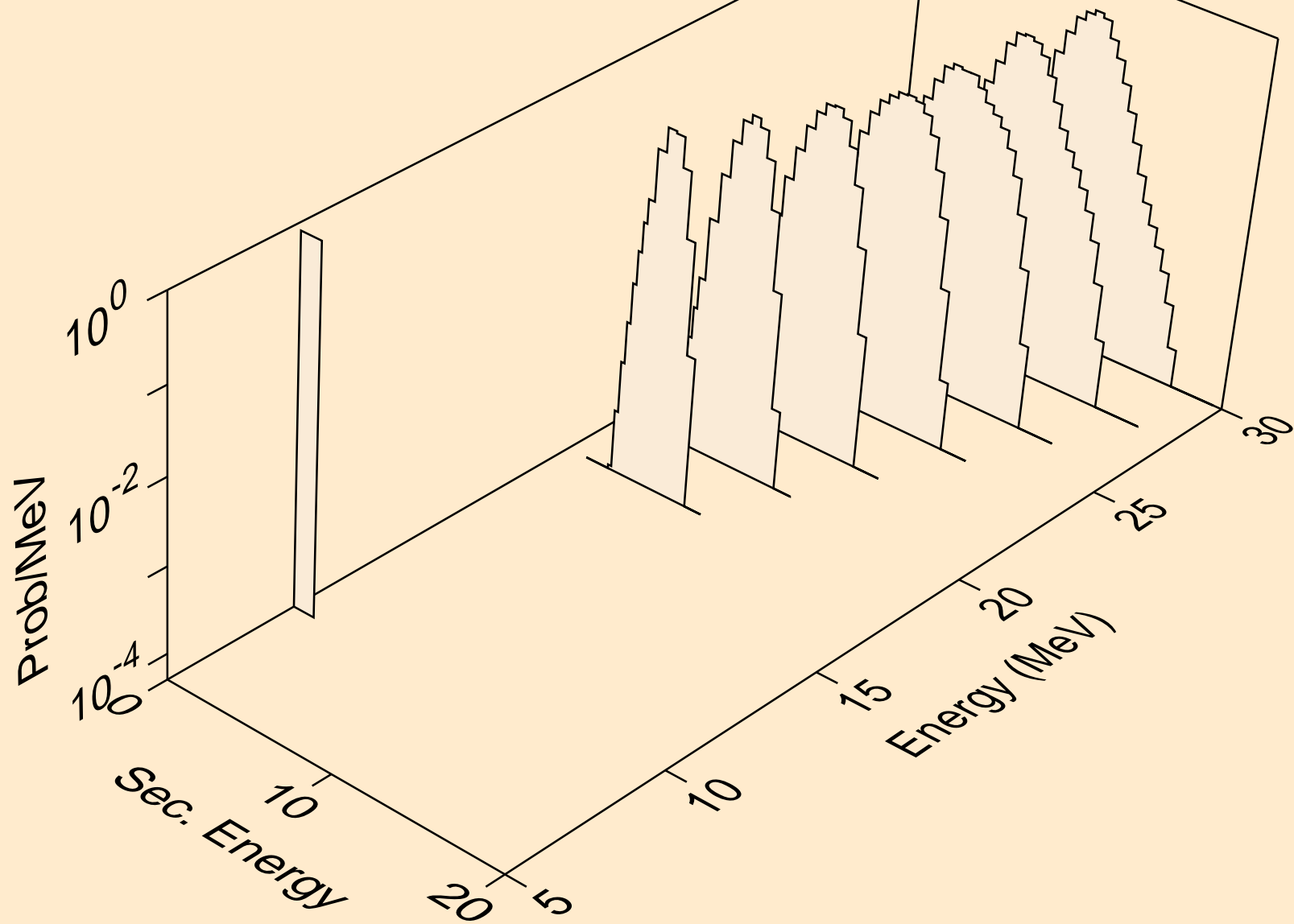
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
deuterons from (n,n*)d



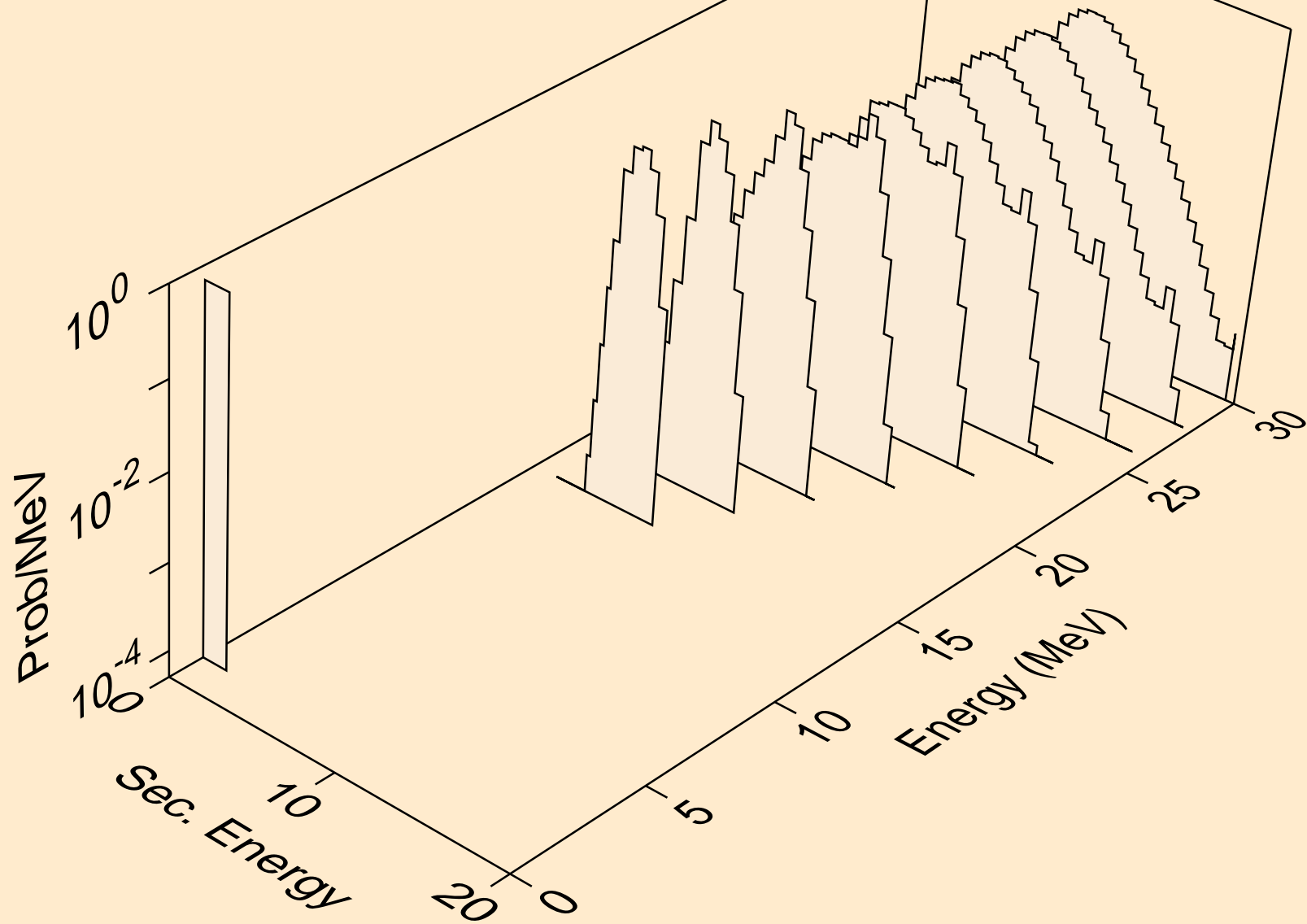
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deuterons from (n,d)



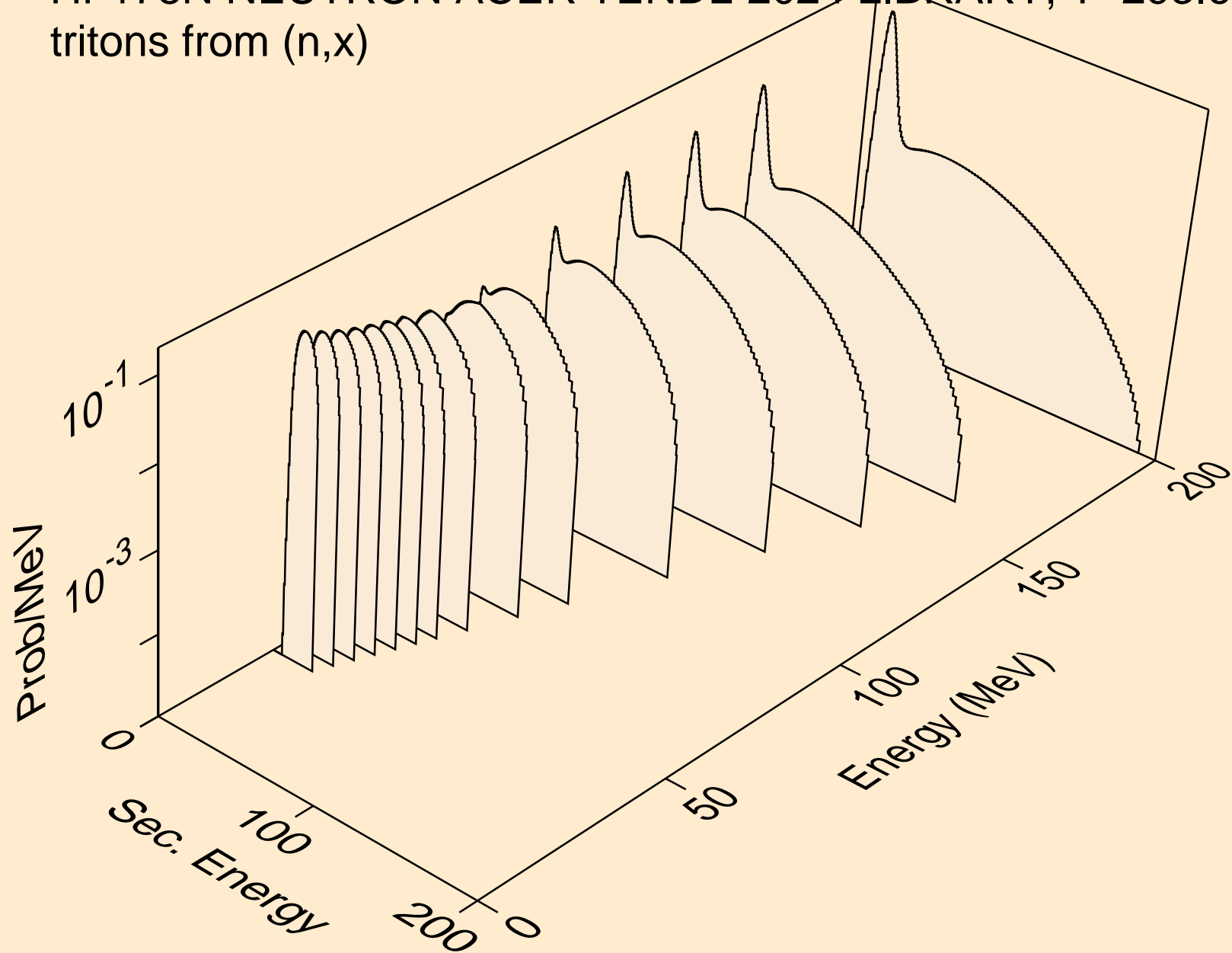
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deuterons from (n,pd)



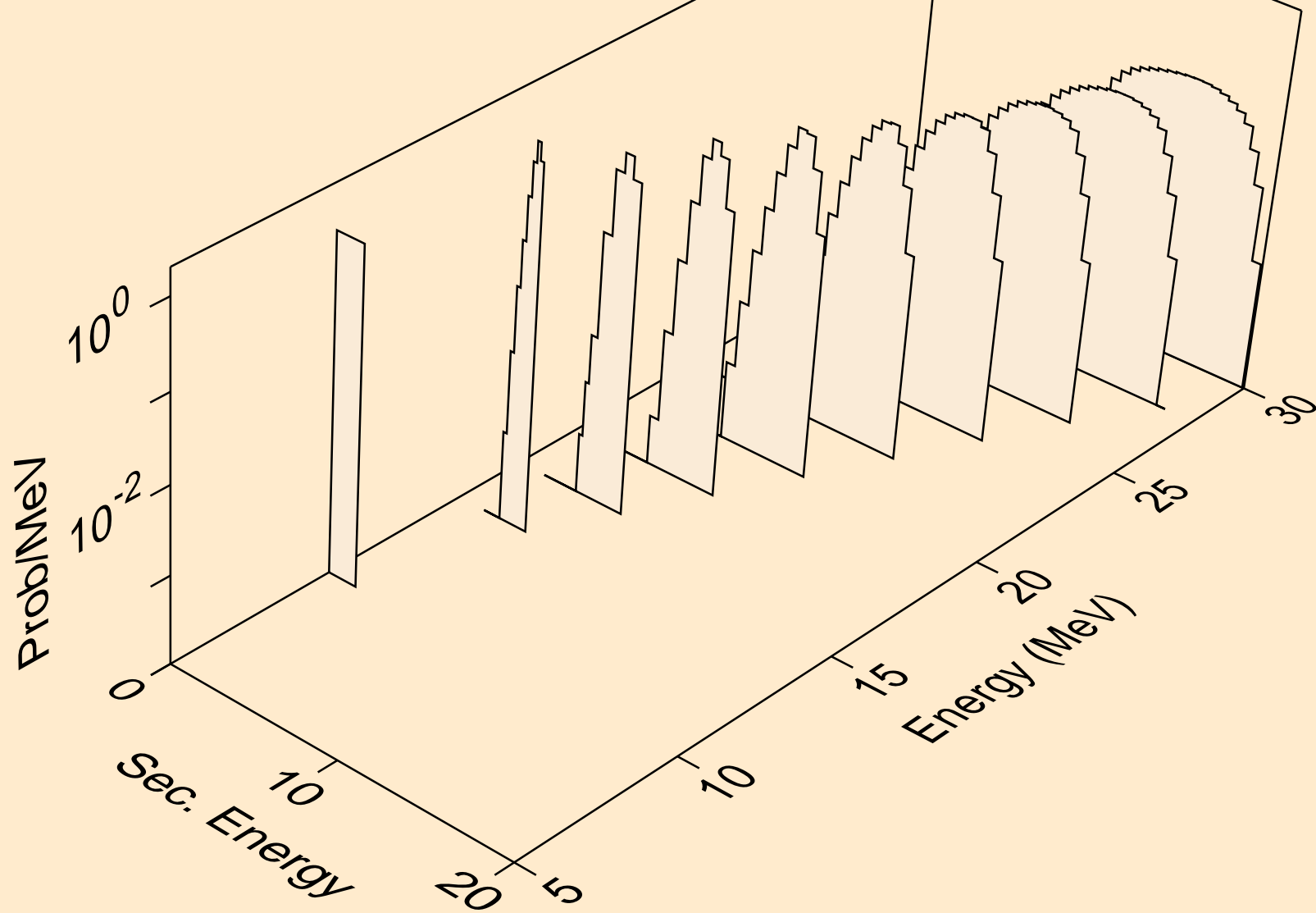
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deuterons from (n,da)



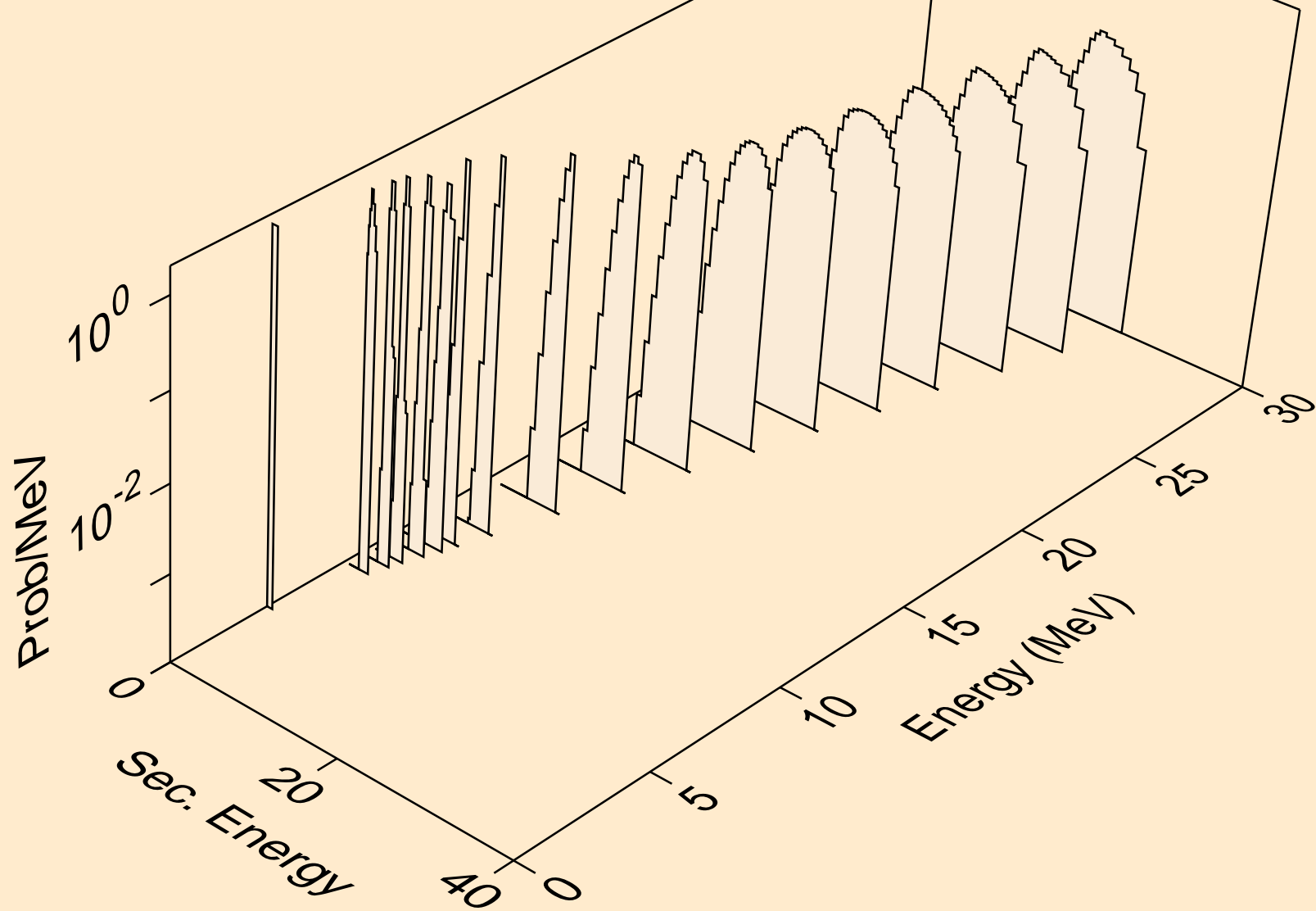
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,x)



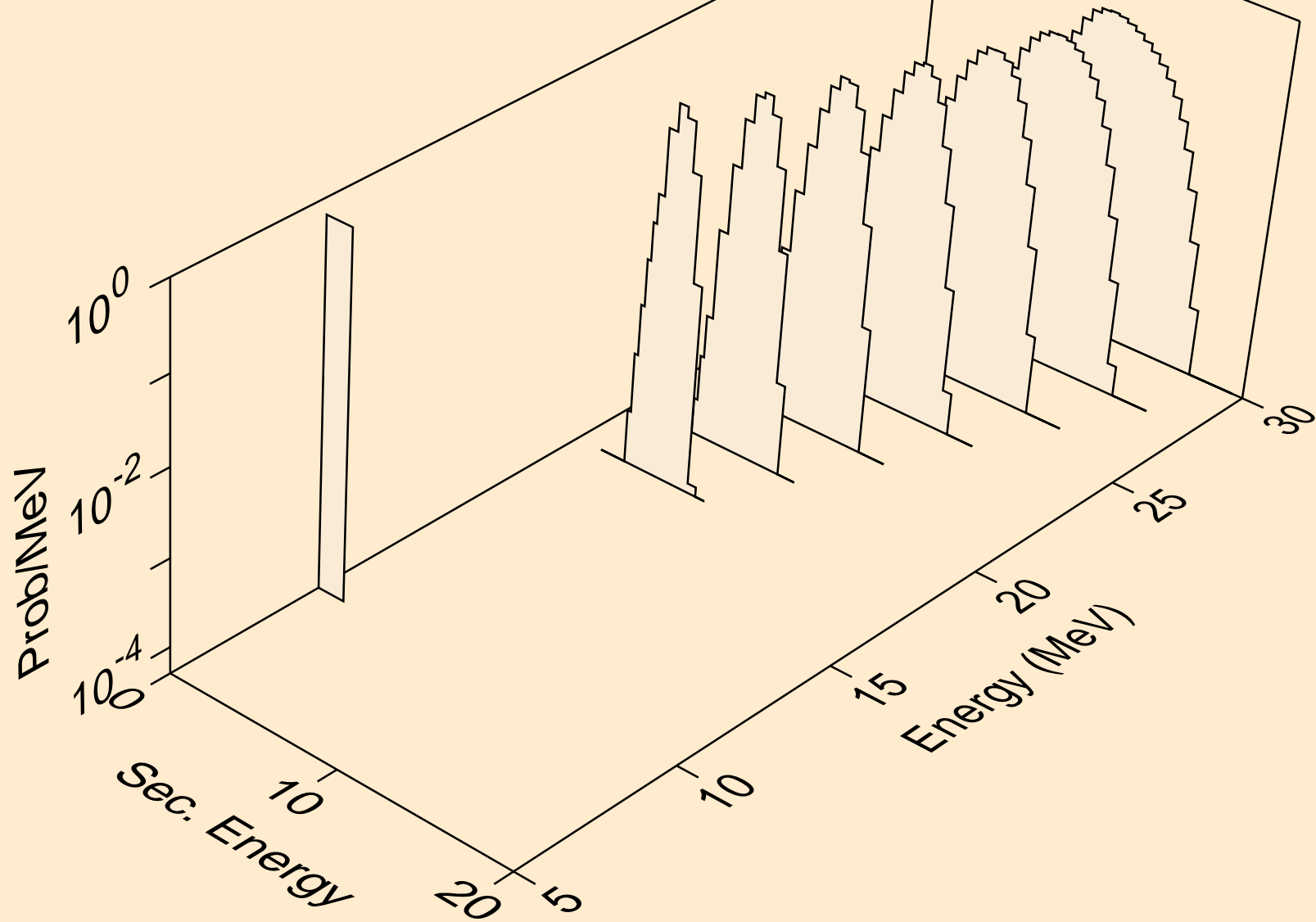
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tritons from (n,n*)t



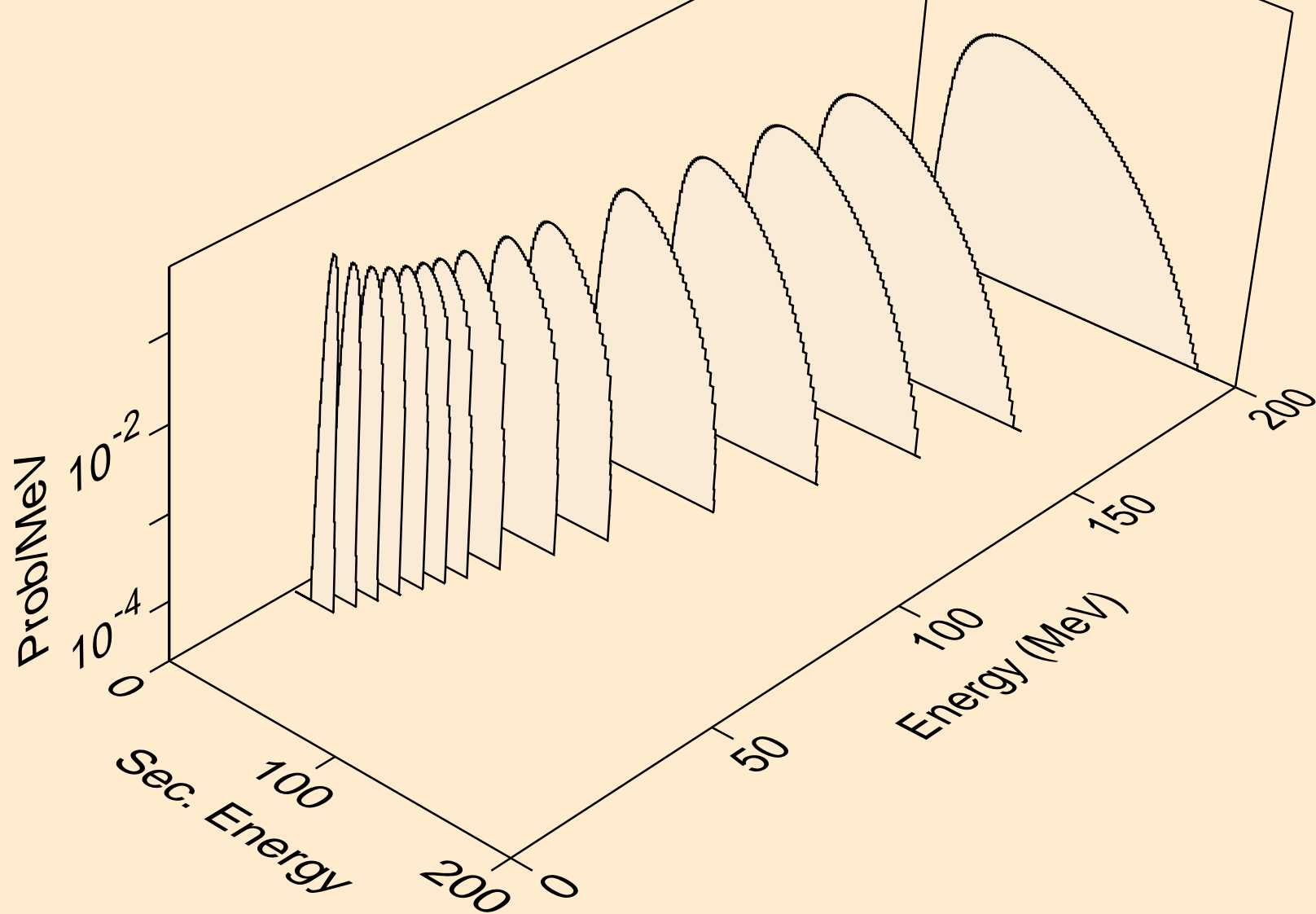
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tritons from (n,t)



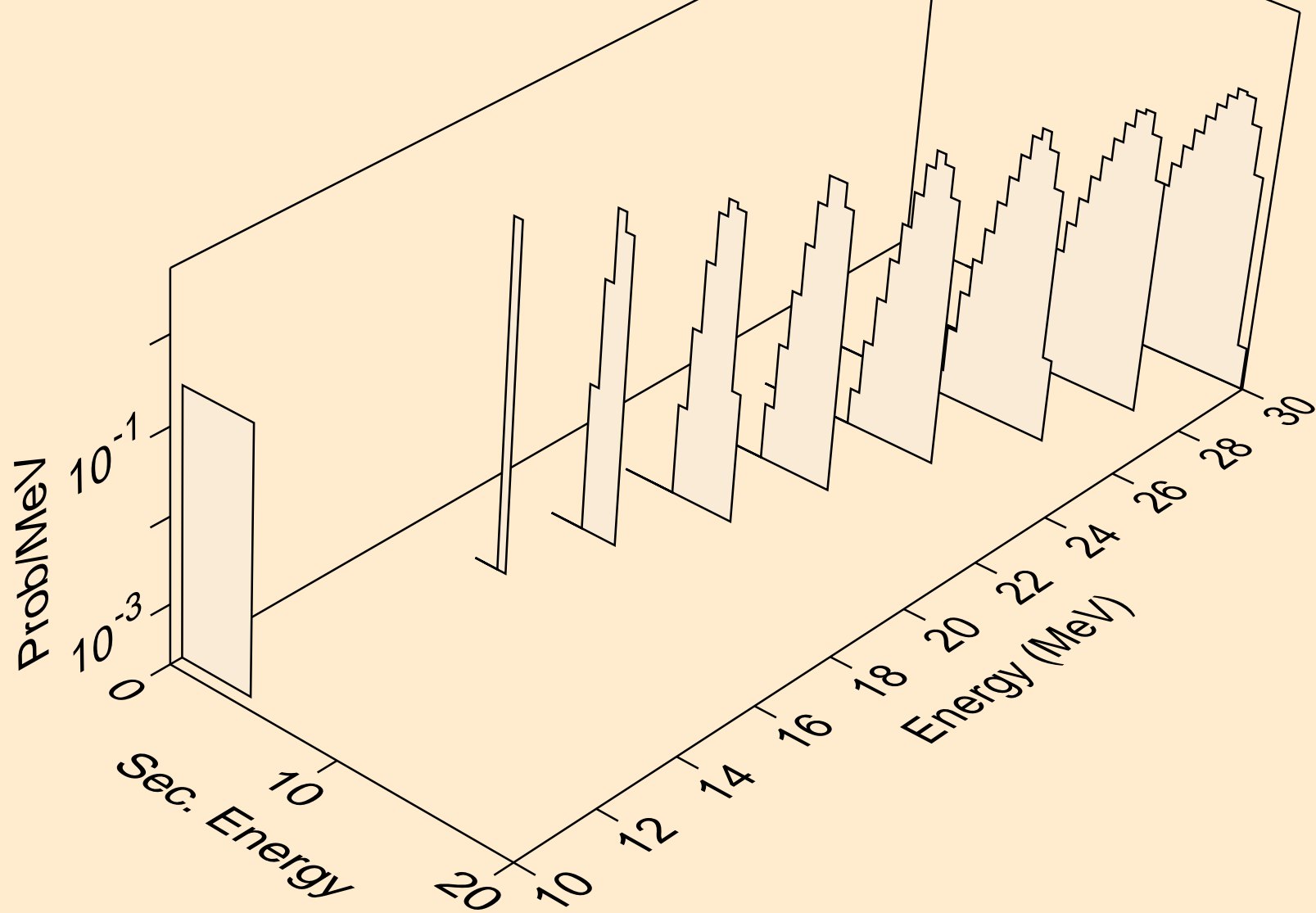
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
tritons from (n,pt)



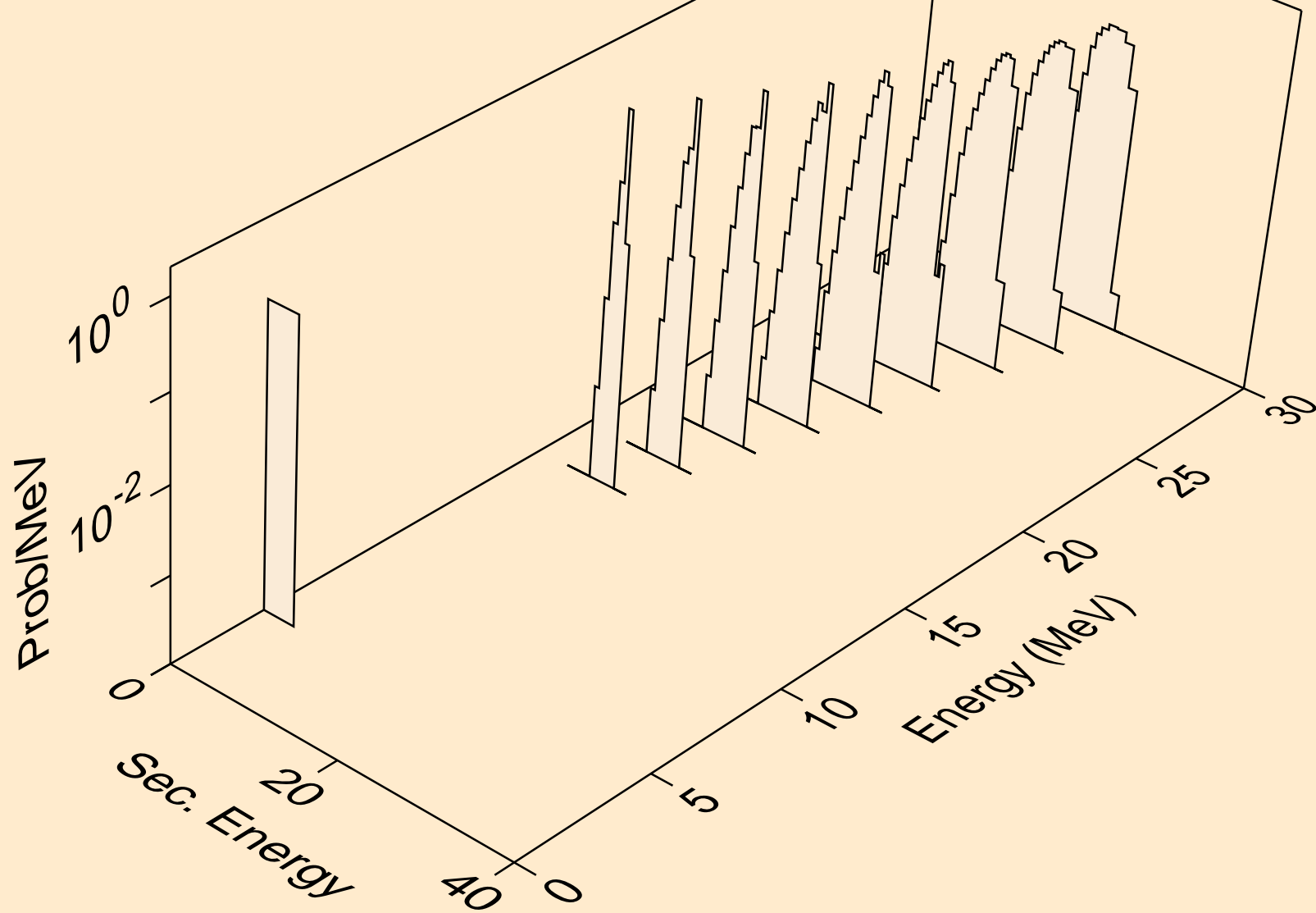
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,x)



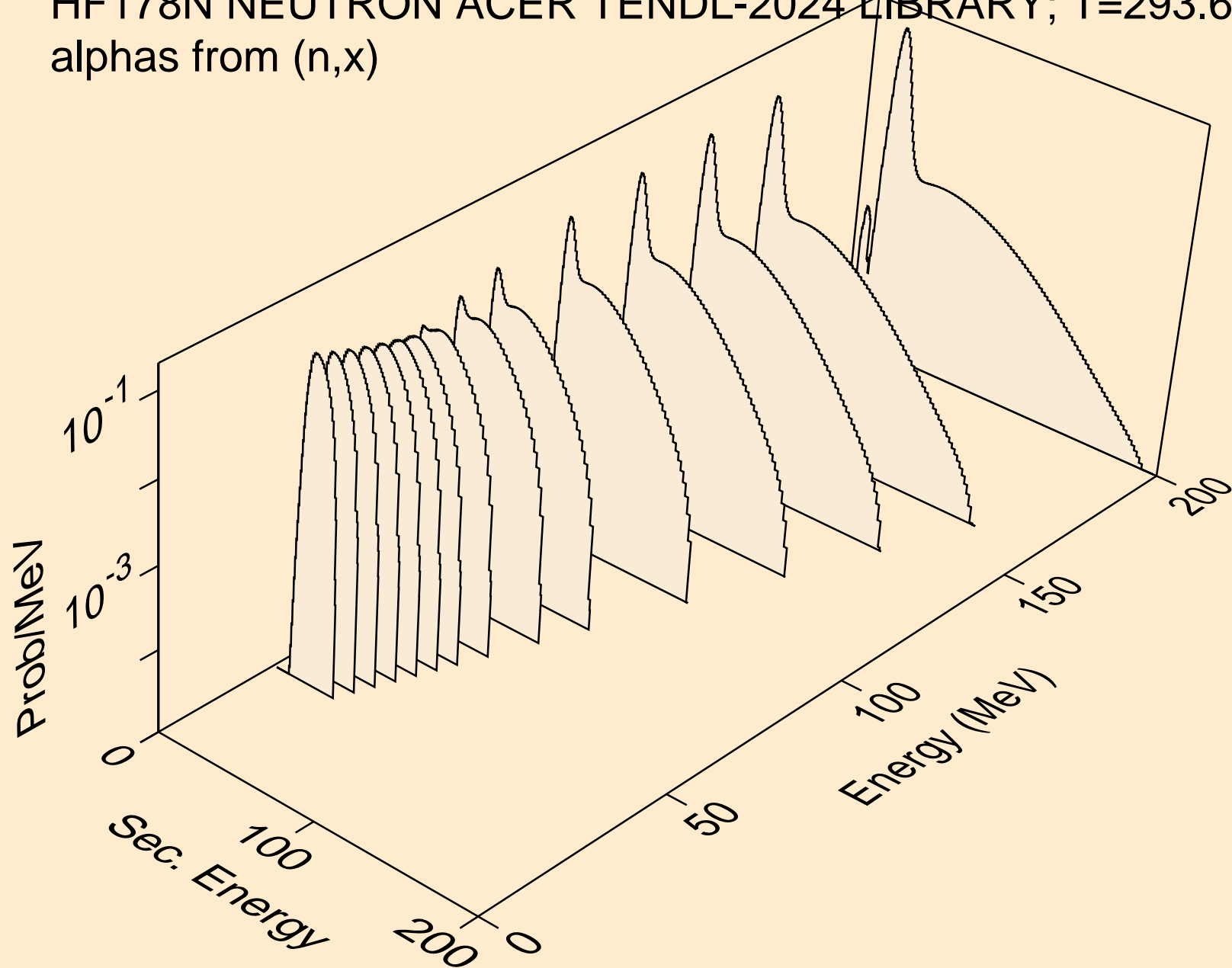
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
he3s from (n,n*)he3



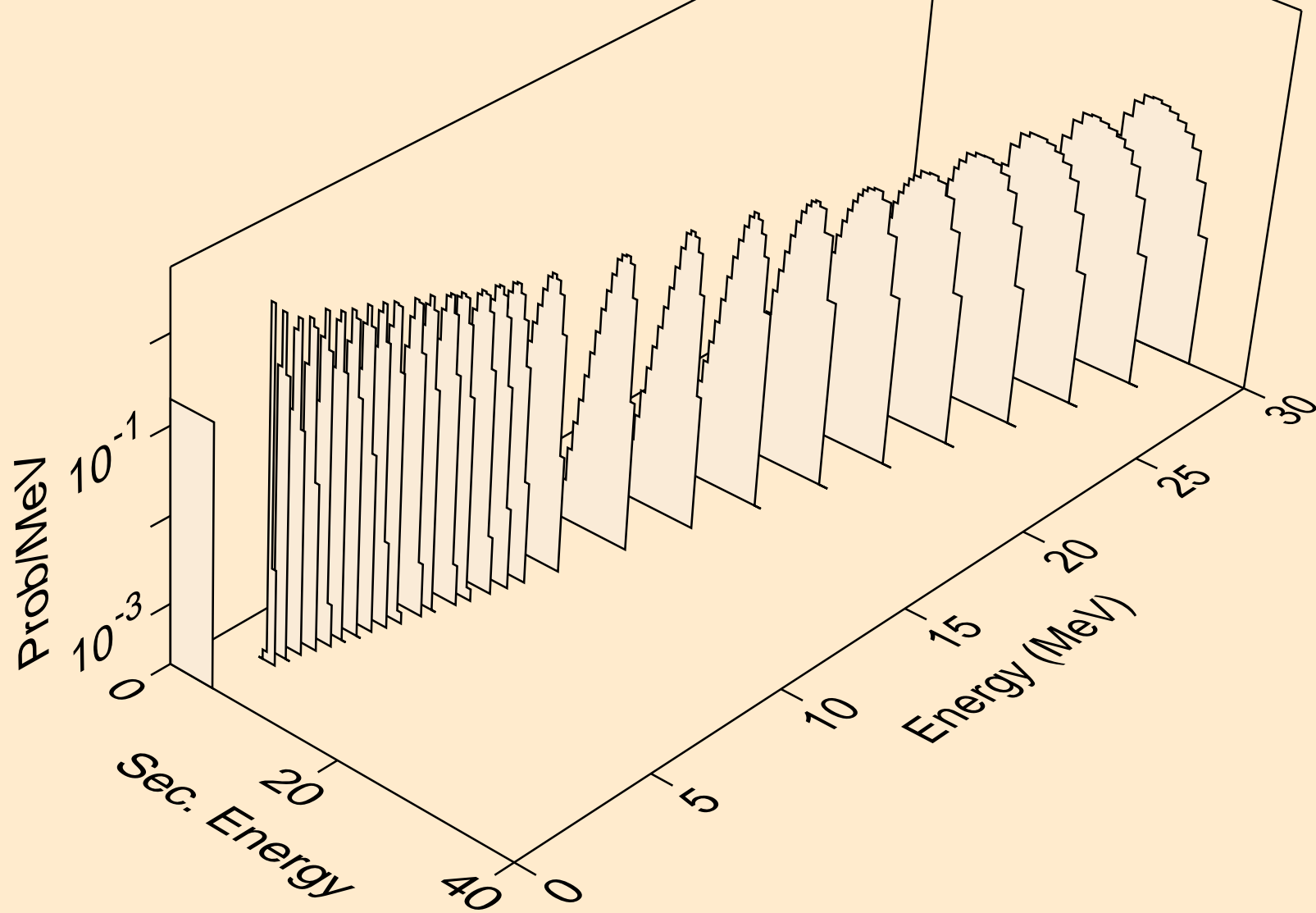
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he3s from (n,he3)



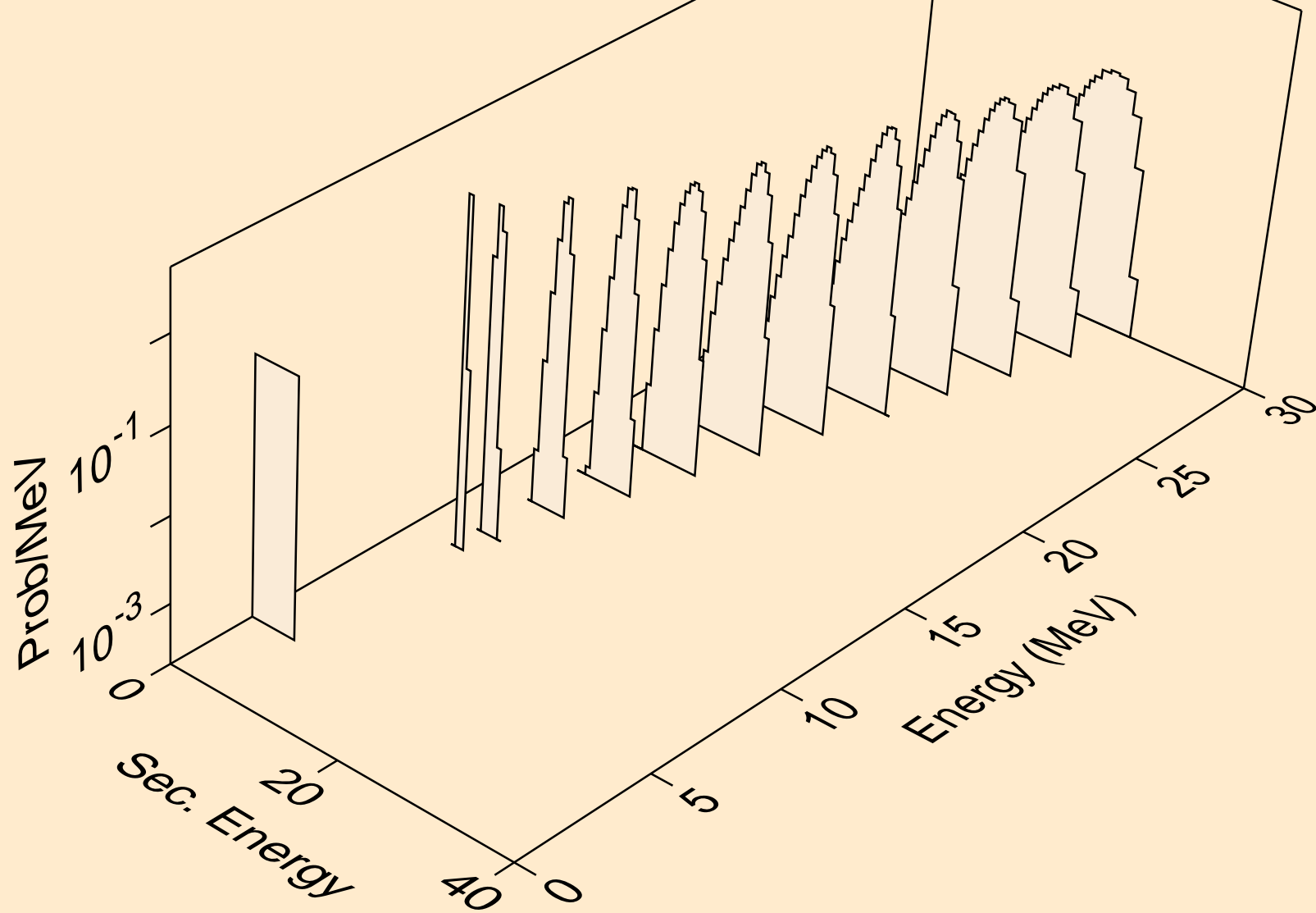
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,x)



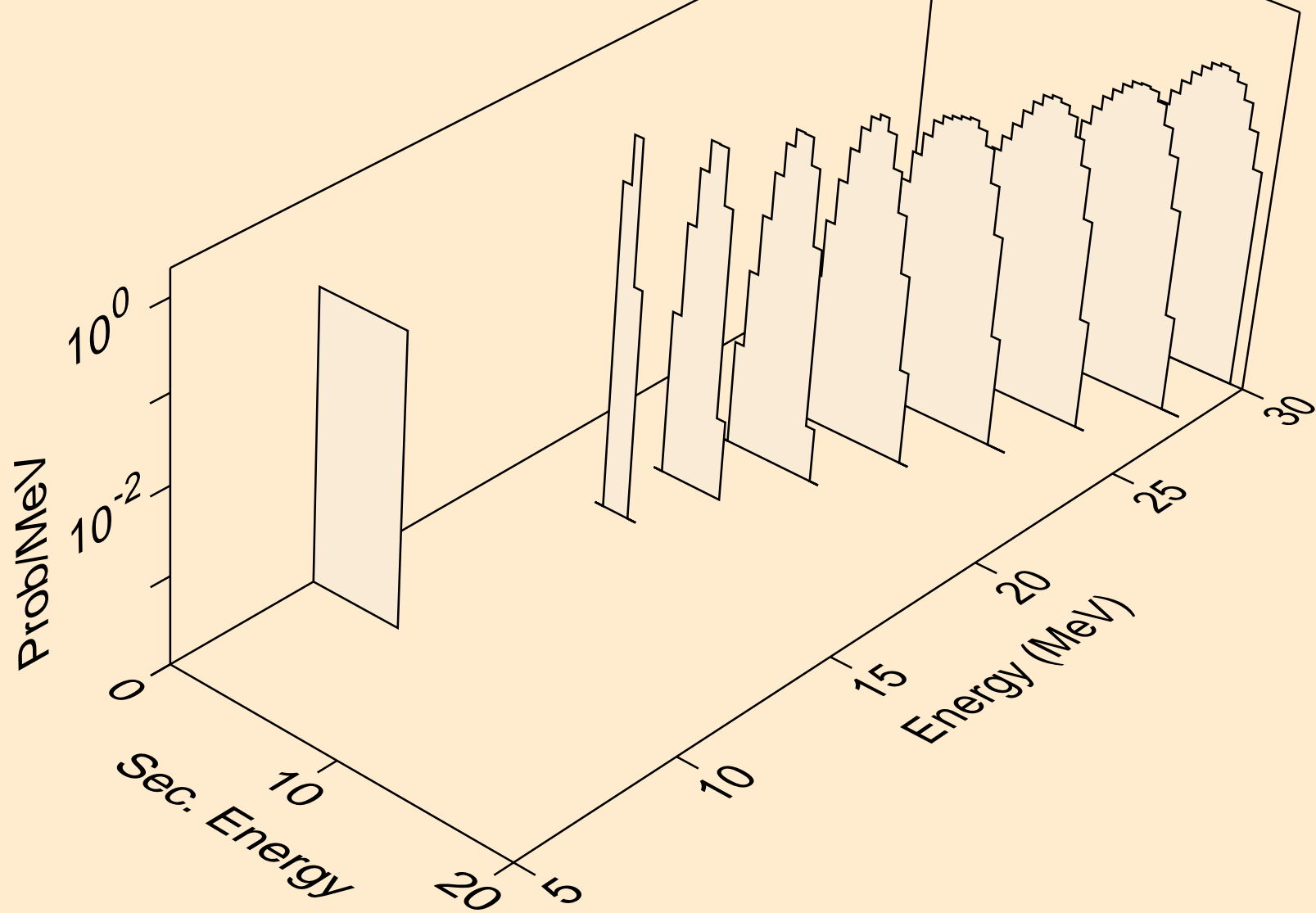
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,n*)a



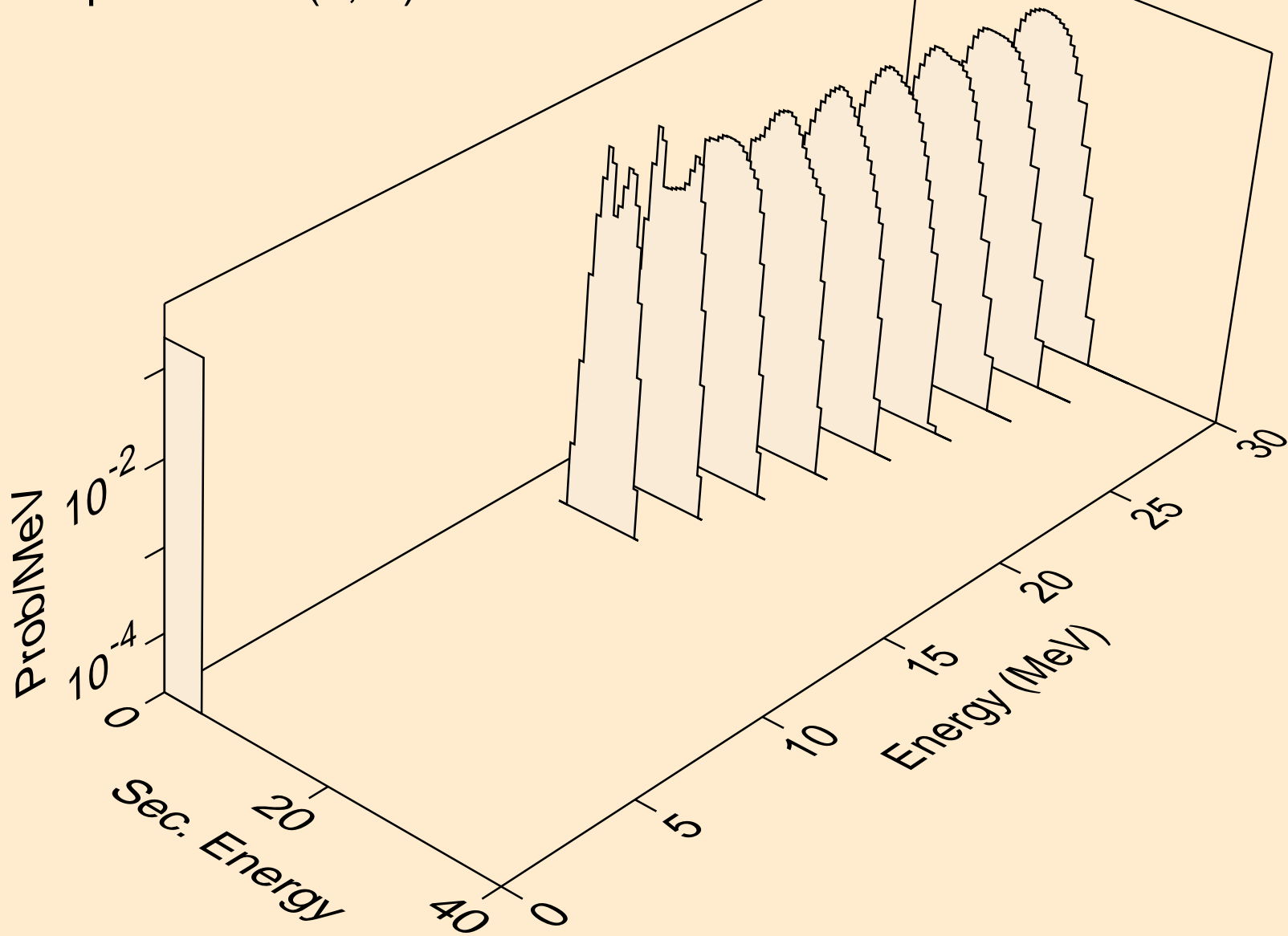
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2n)a



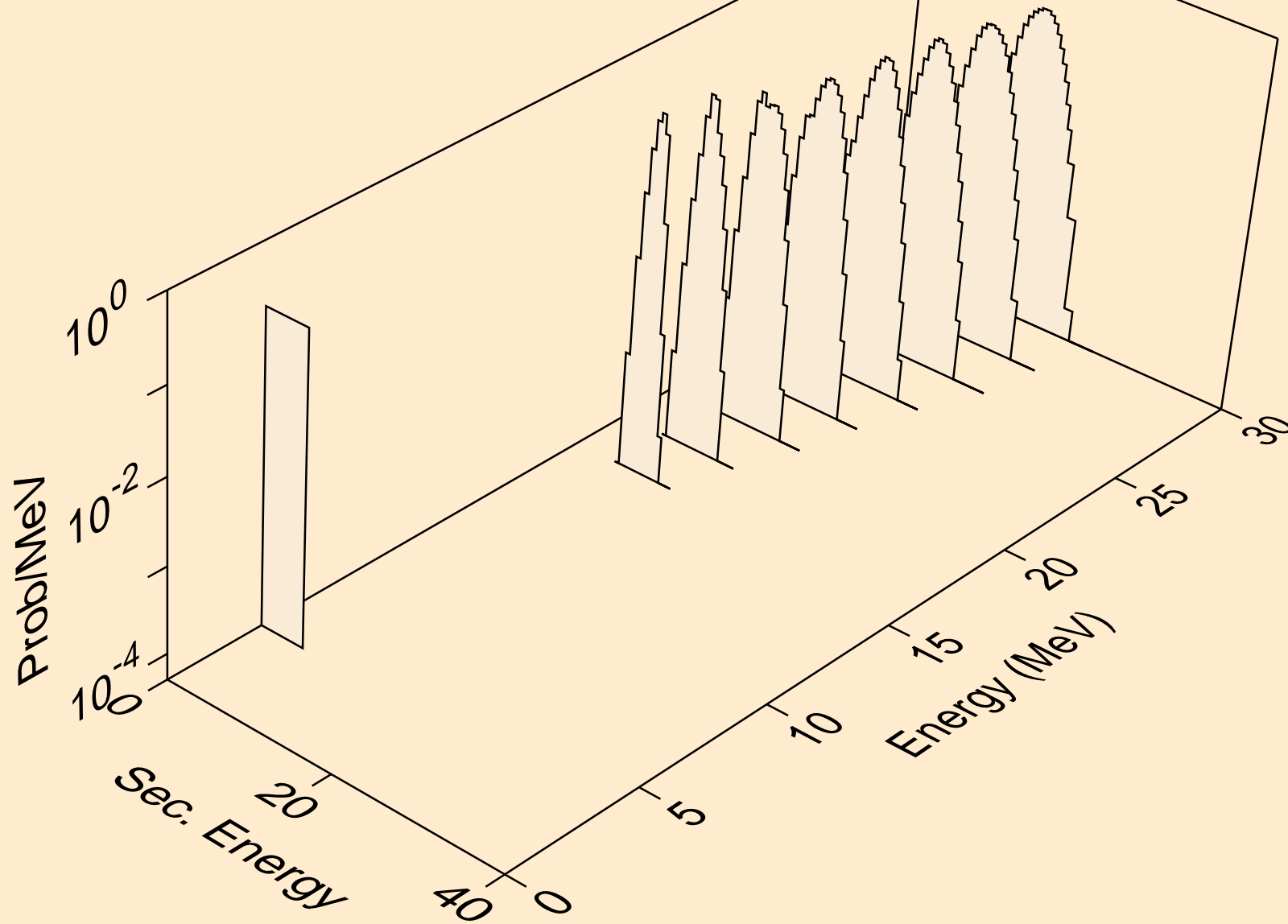
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,3n)a



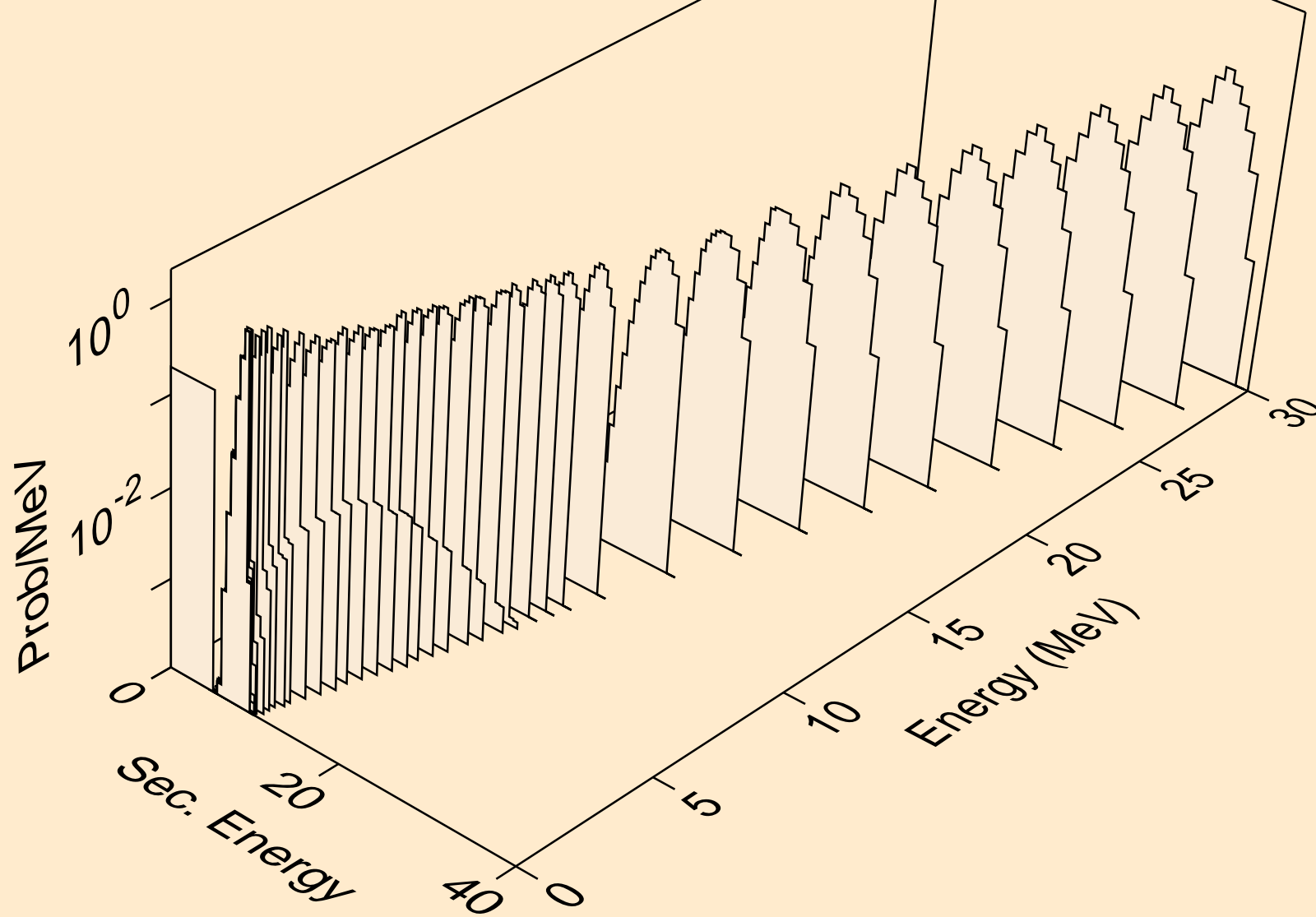
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alphas from (n,n*)2a



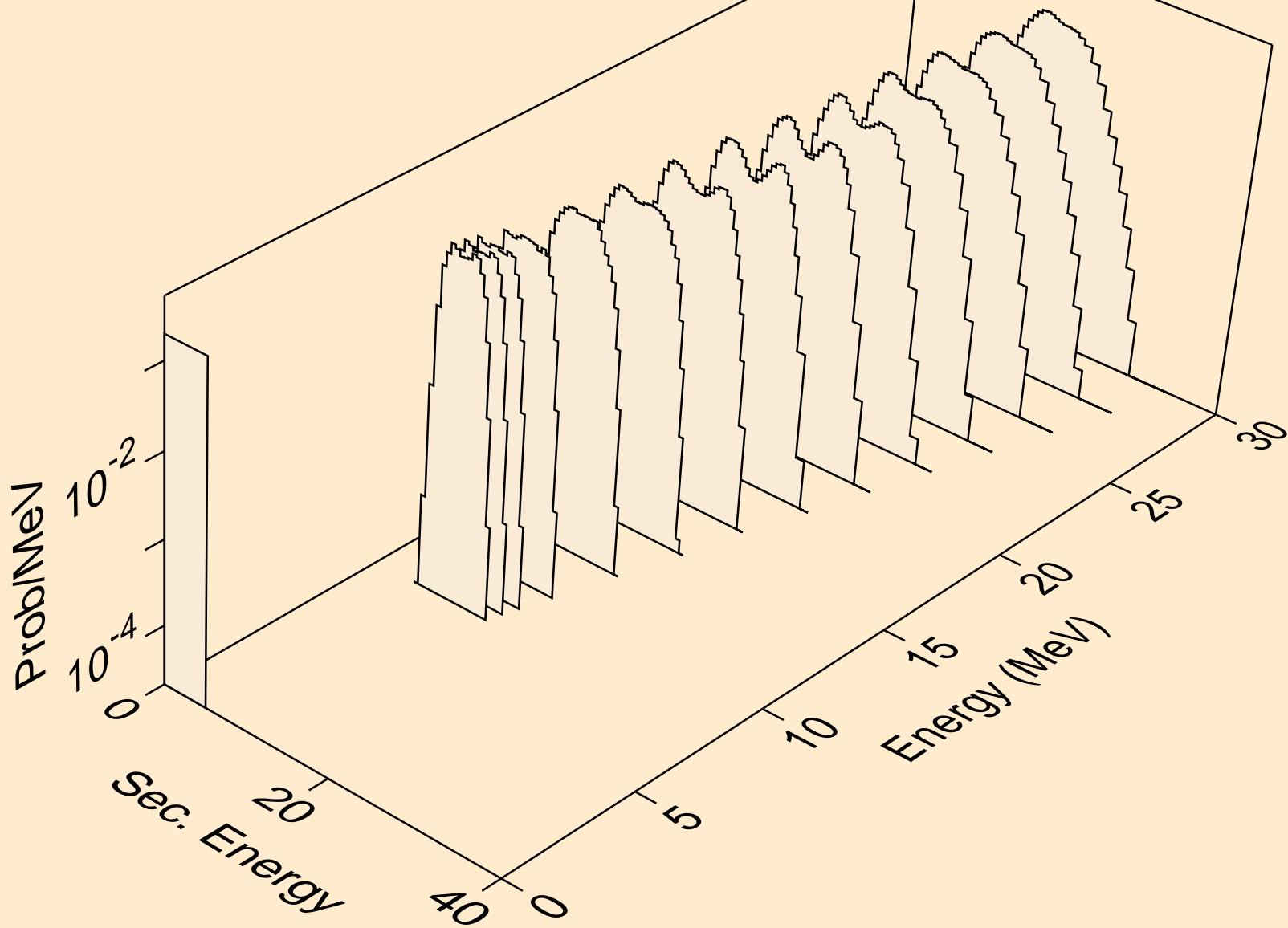
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,npa)



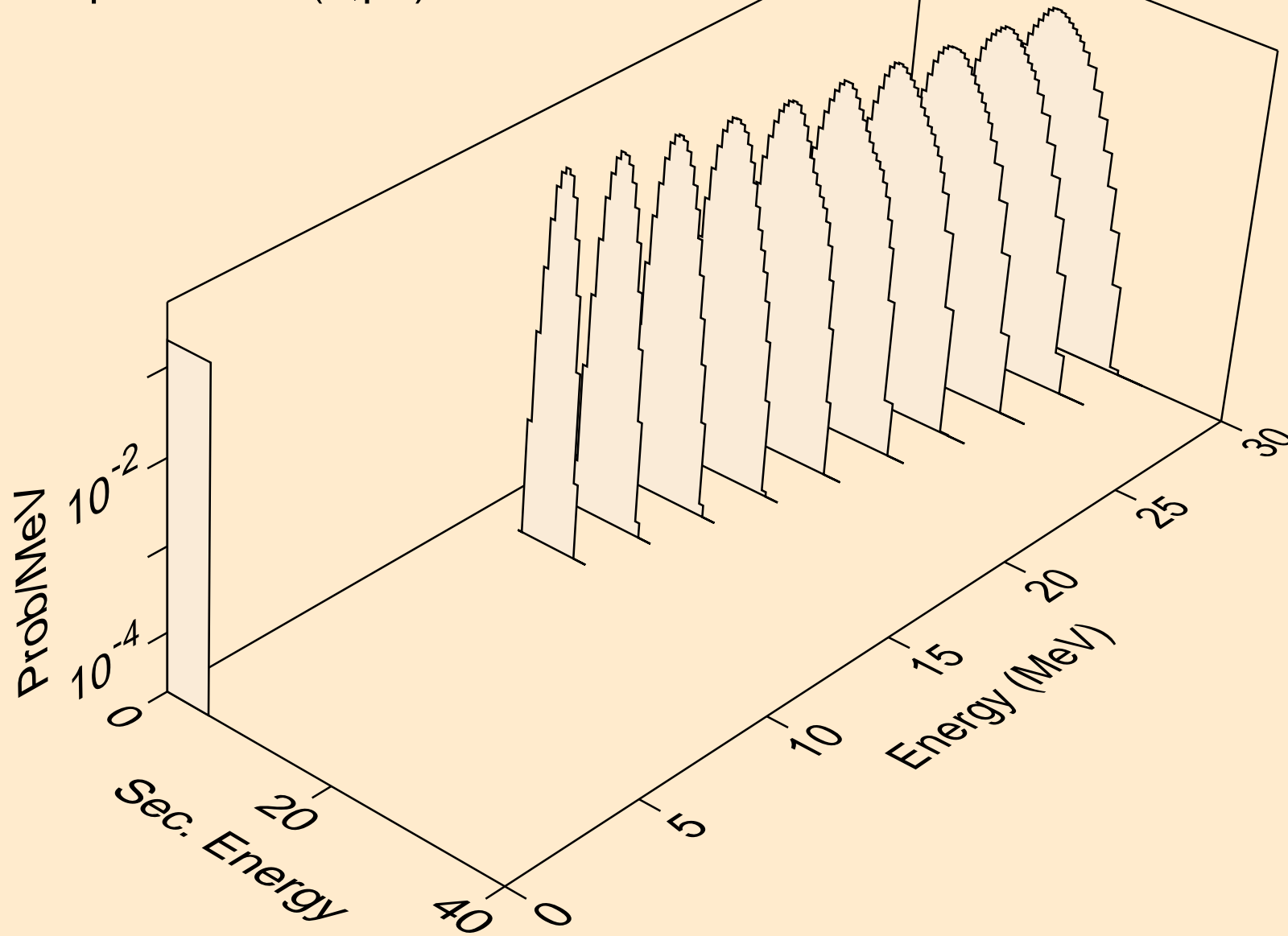
HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,a)



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,2a)



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,pa)



HF178N NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K
alphas from (n,da)

