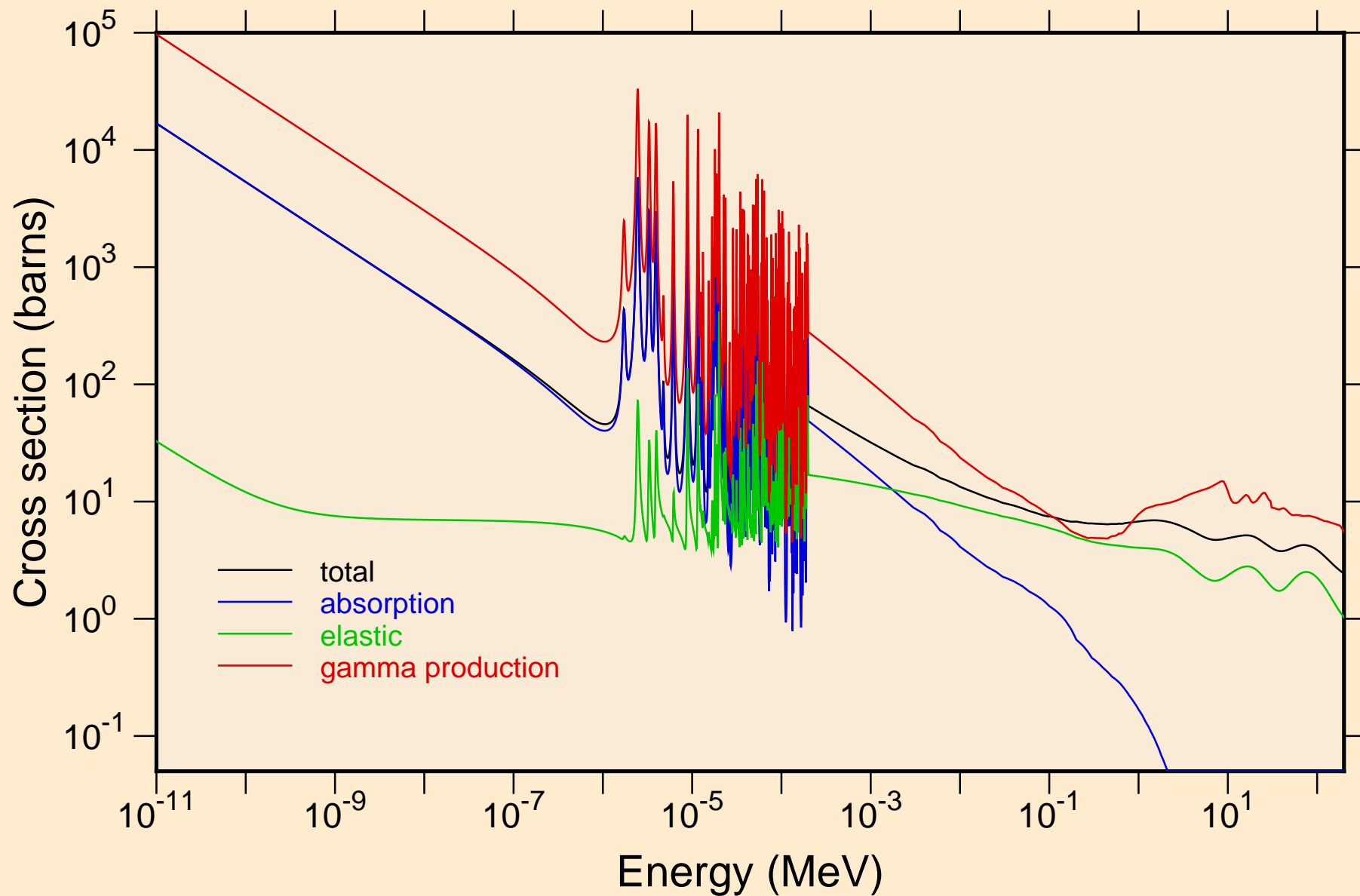
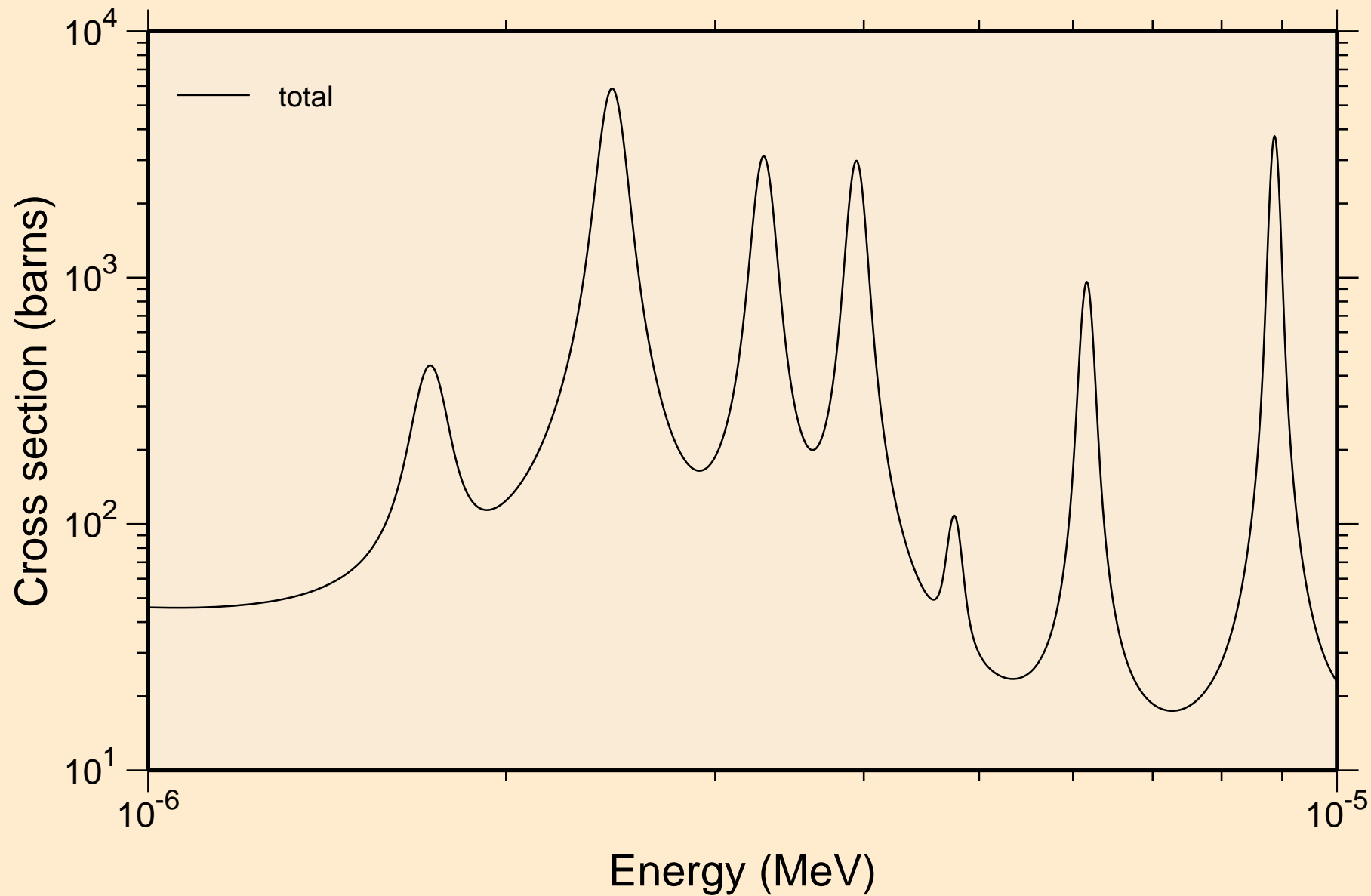


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

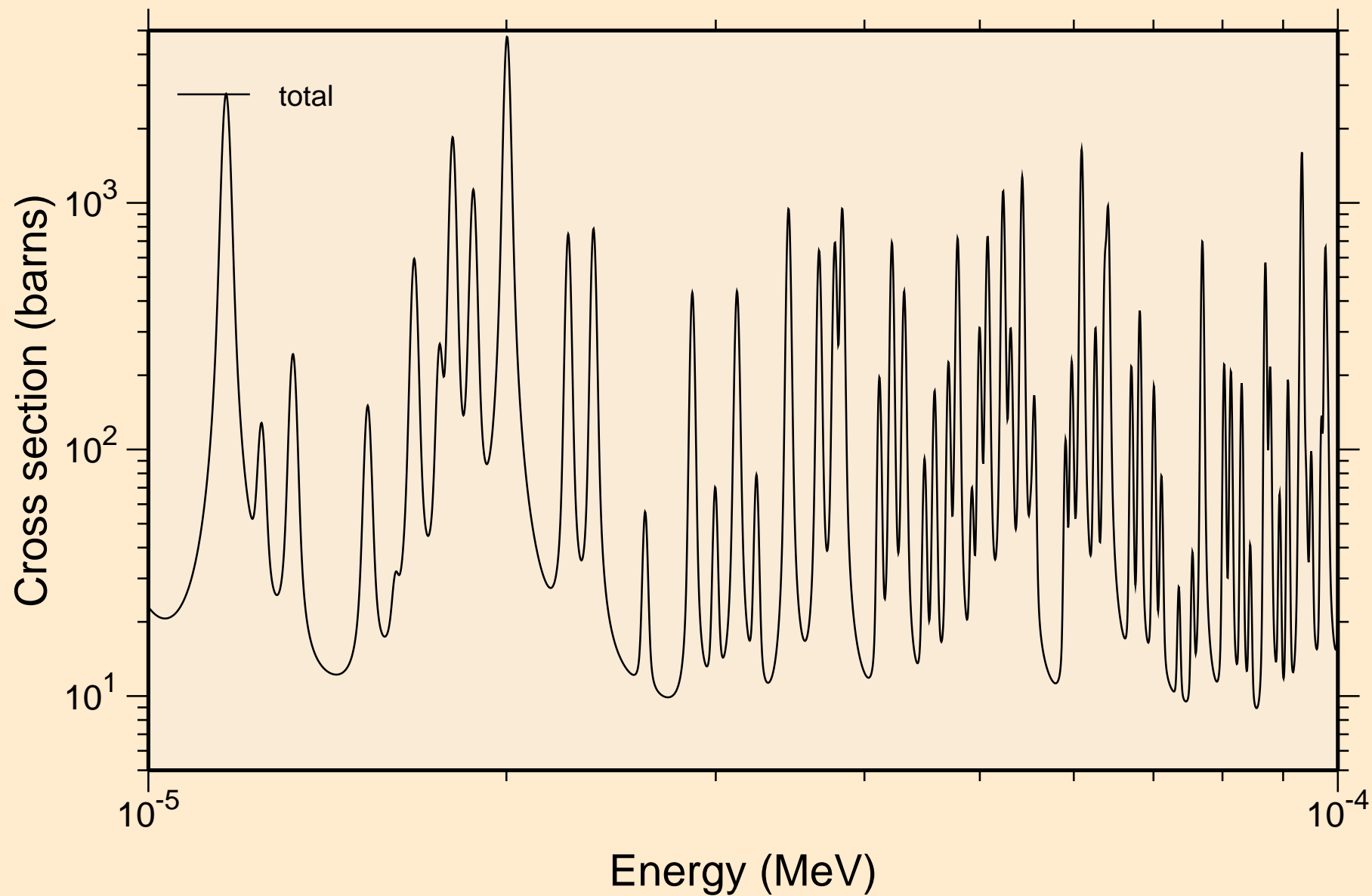
Principal cross sections



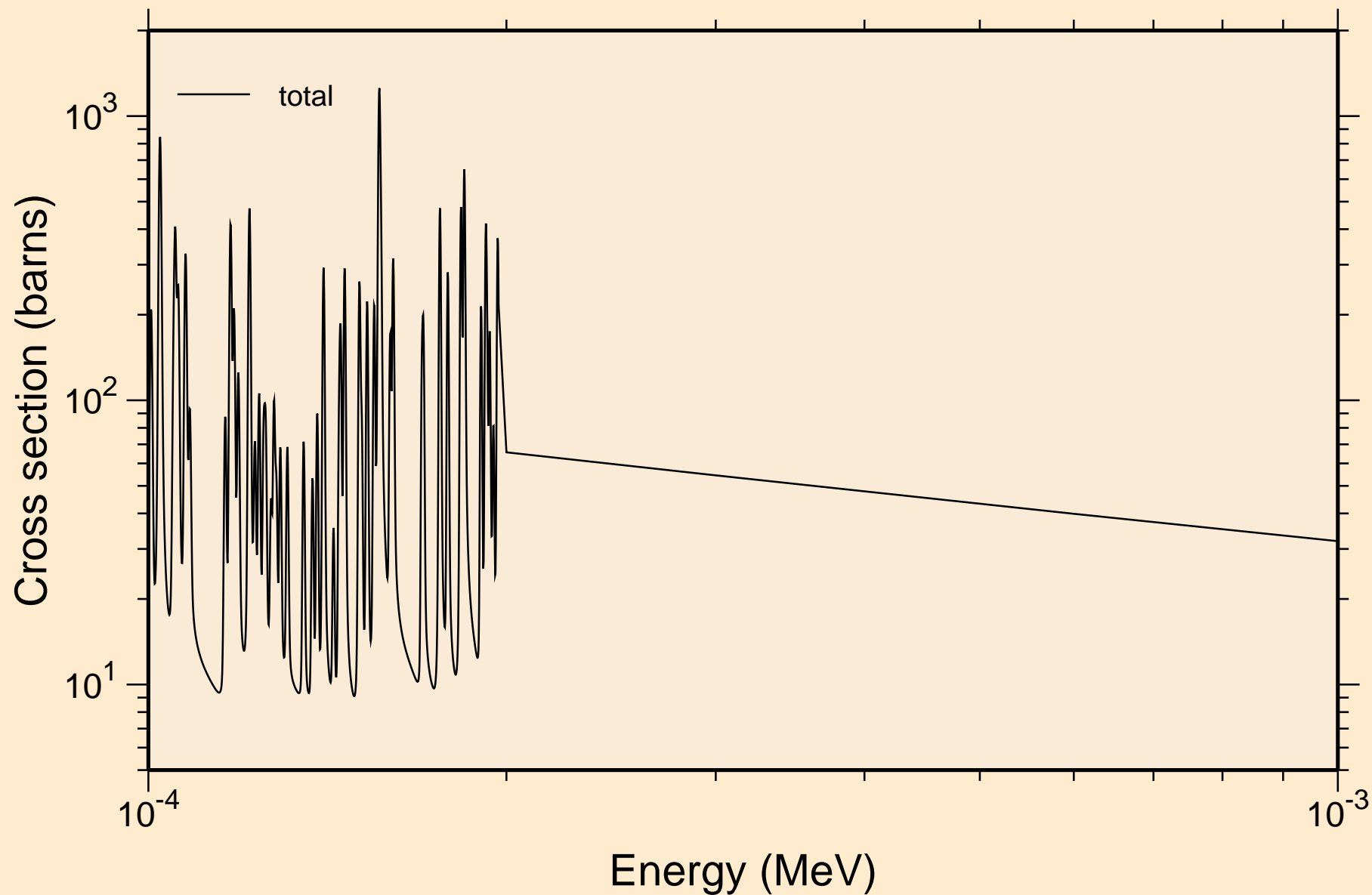
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



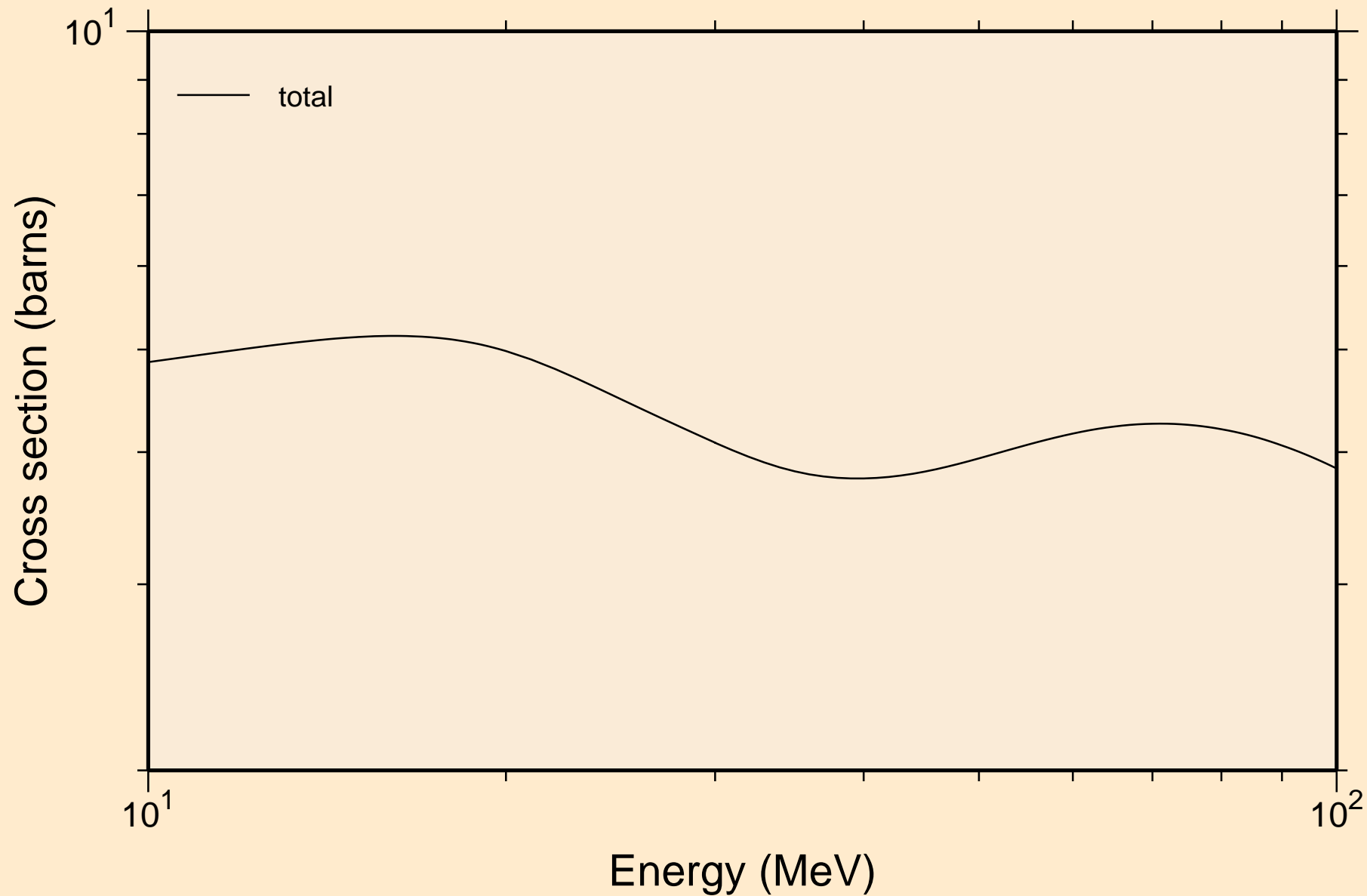
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



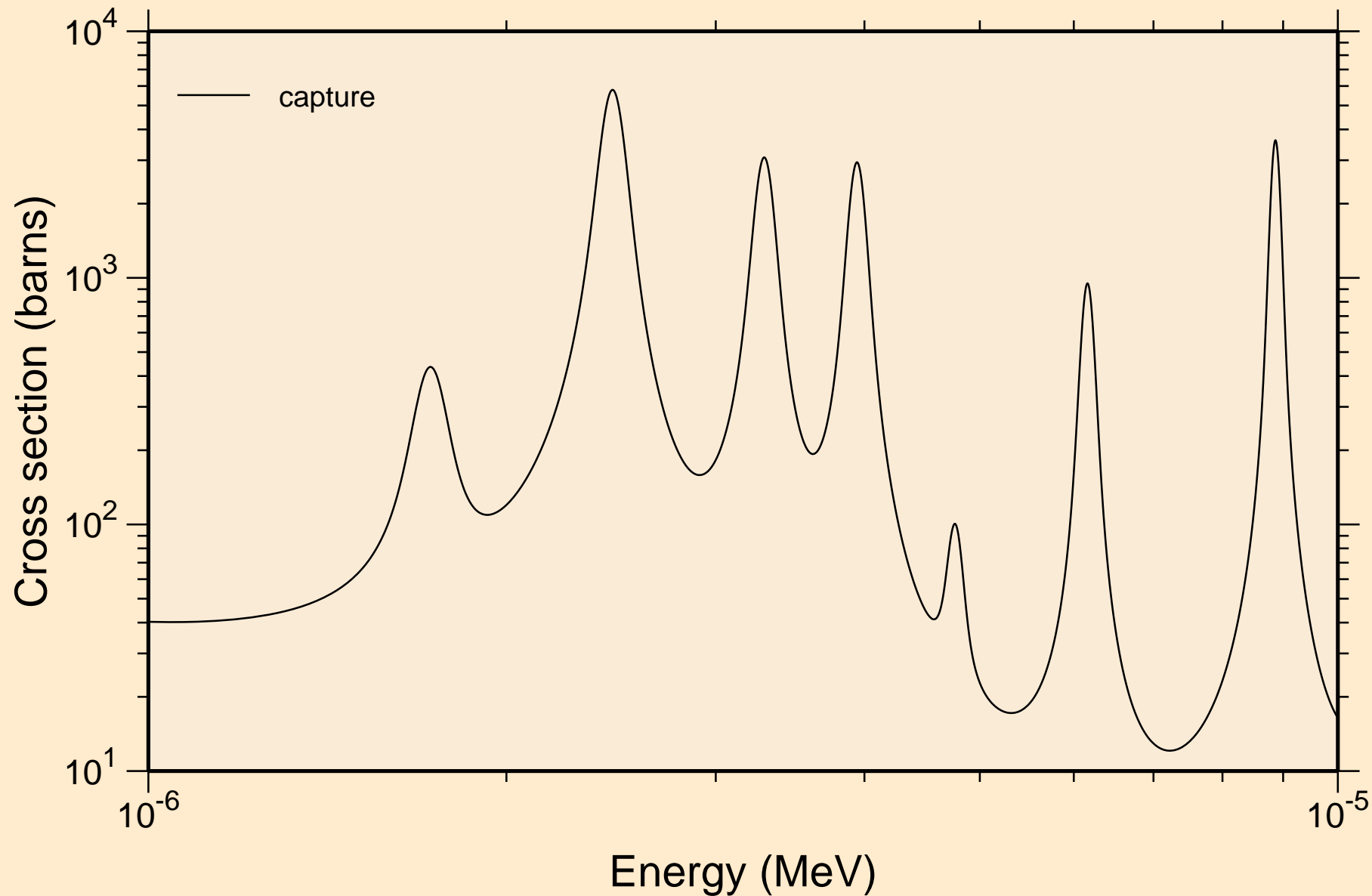
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



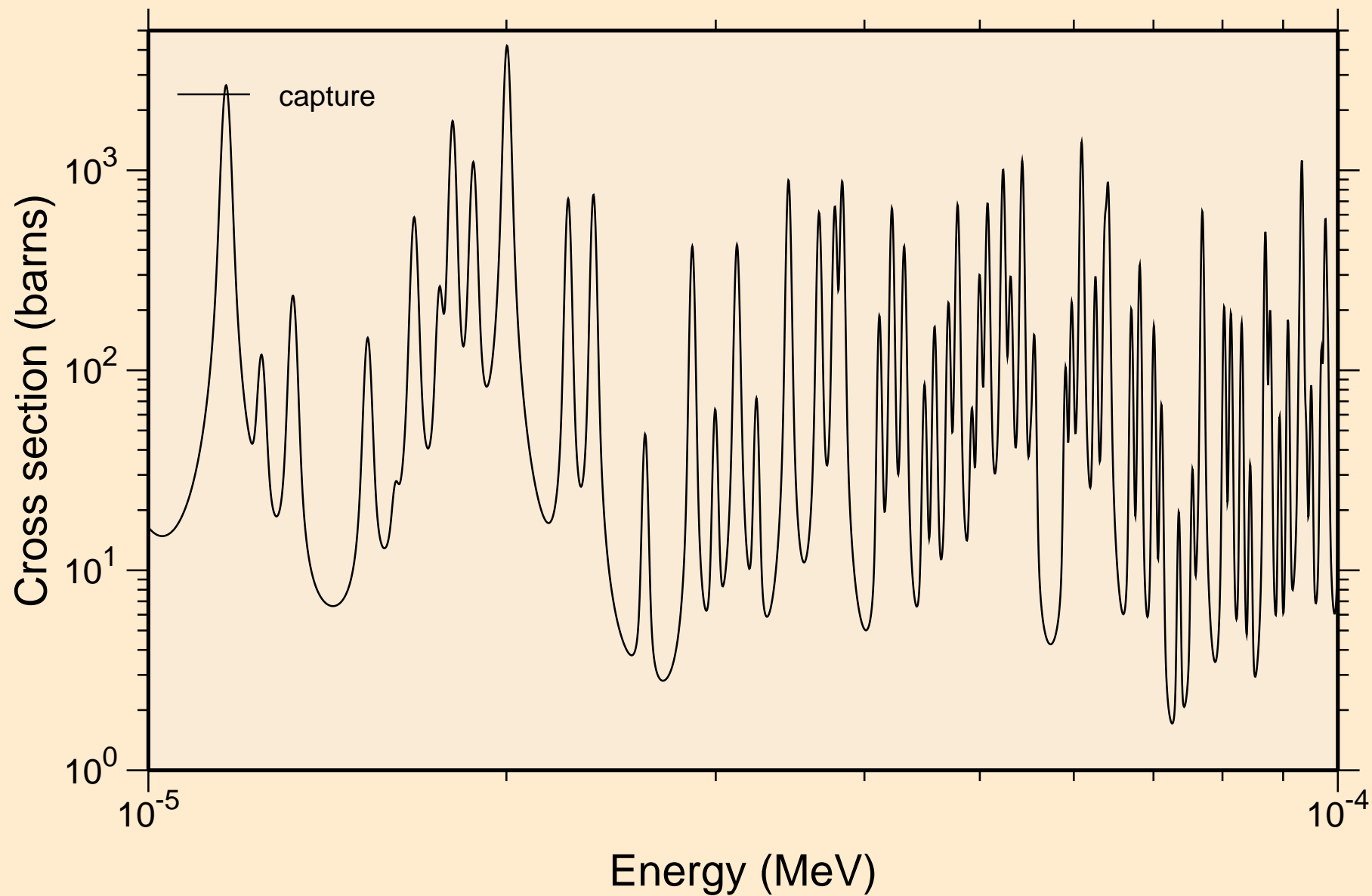
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance total cross section



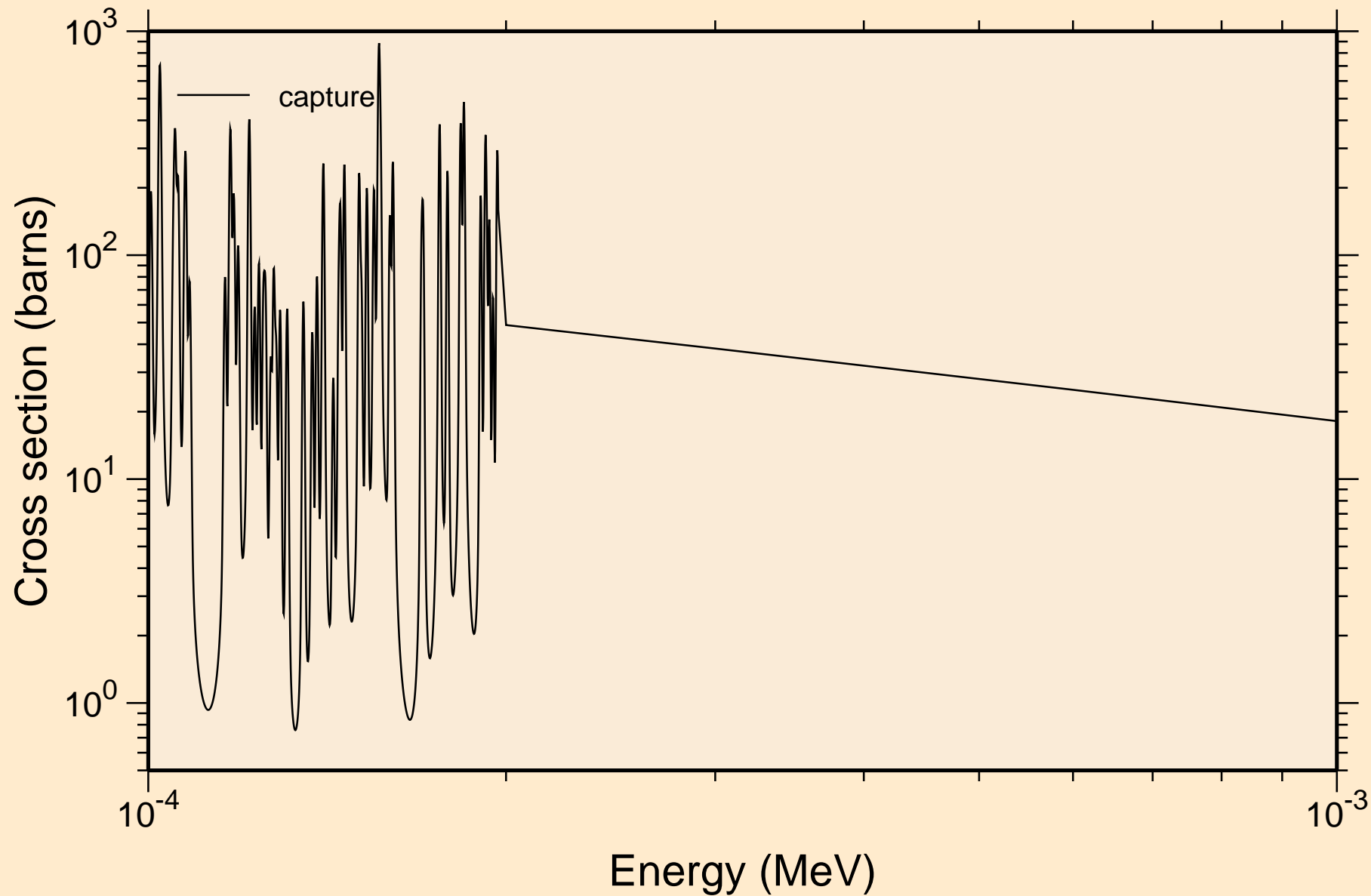
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



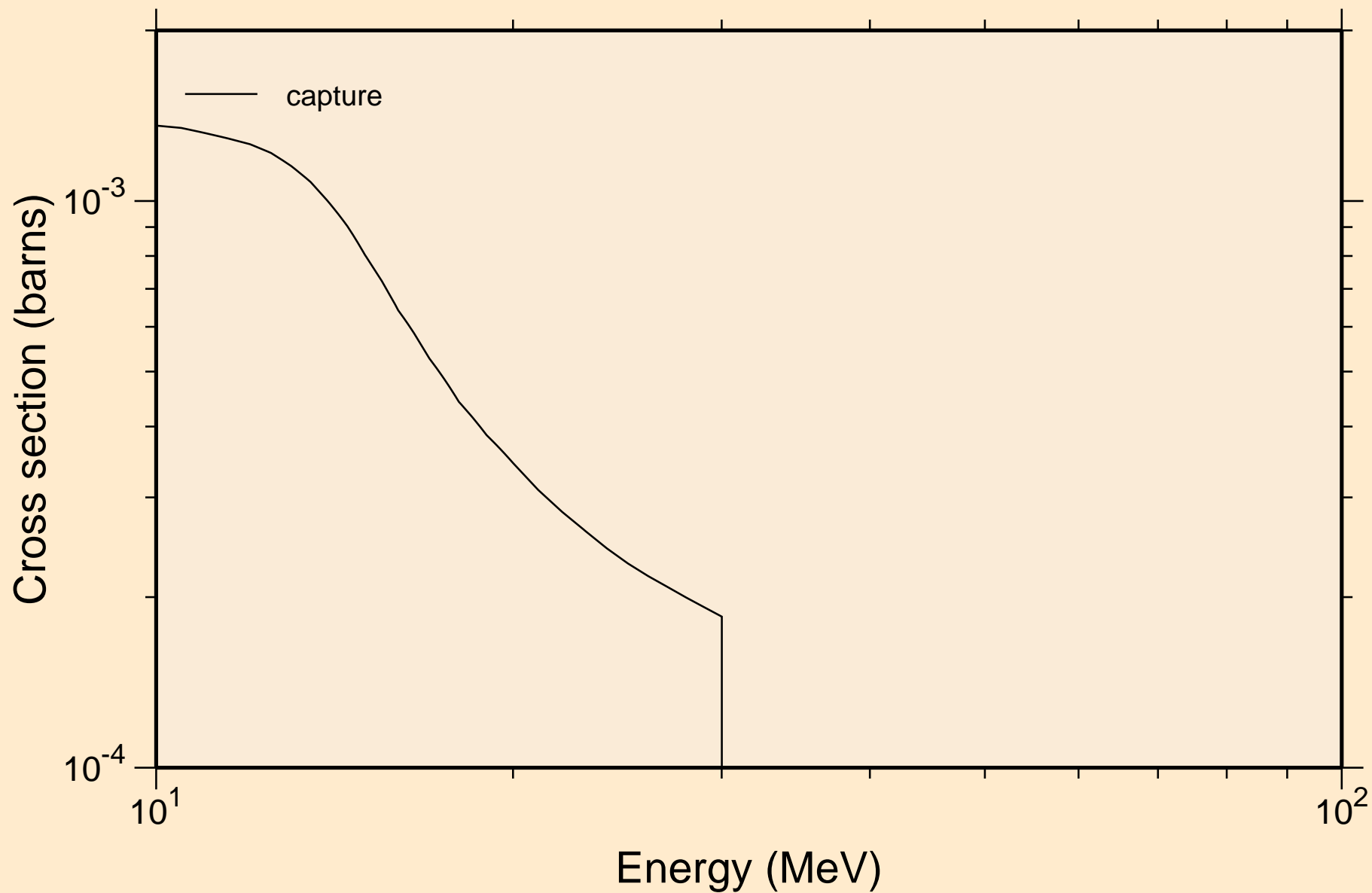
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



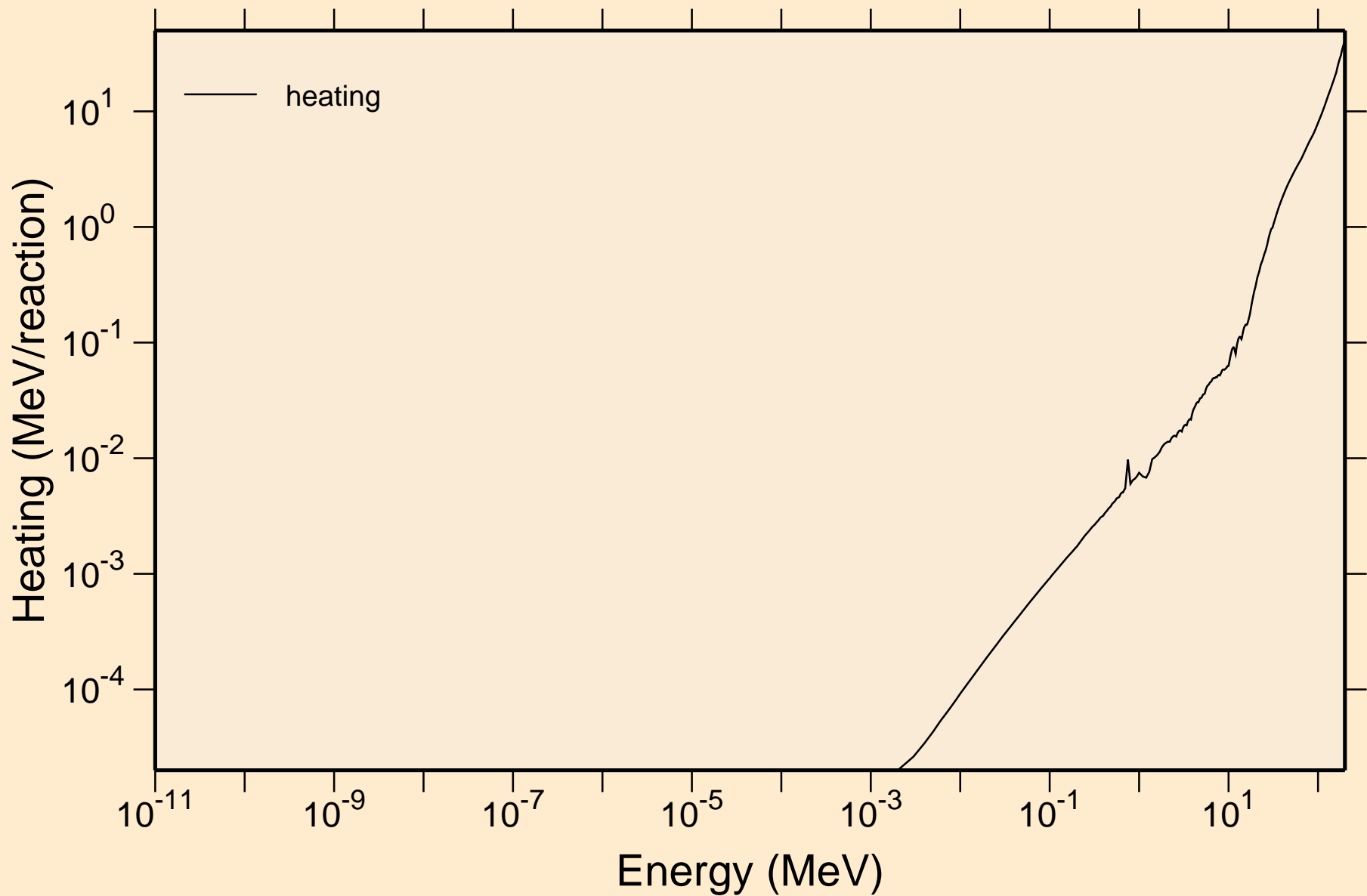
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
resonance absorption cross sections



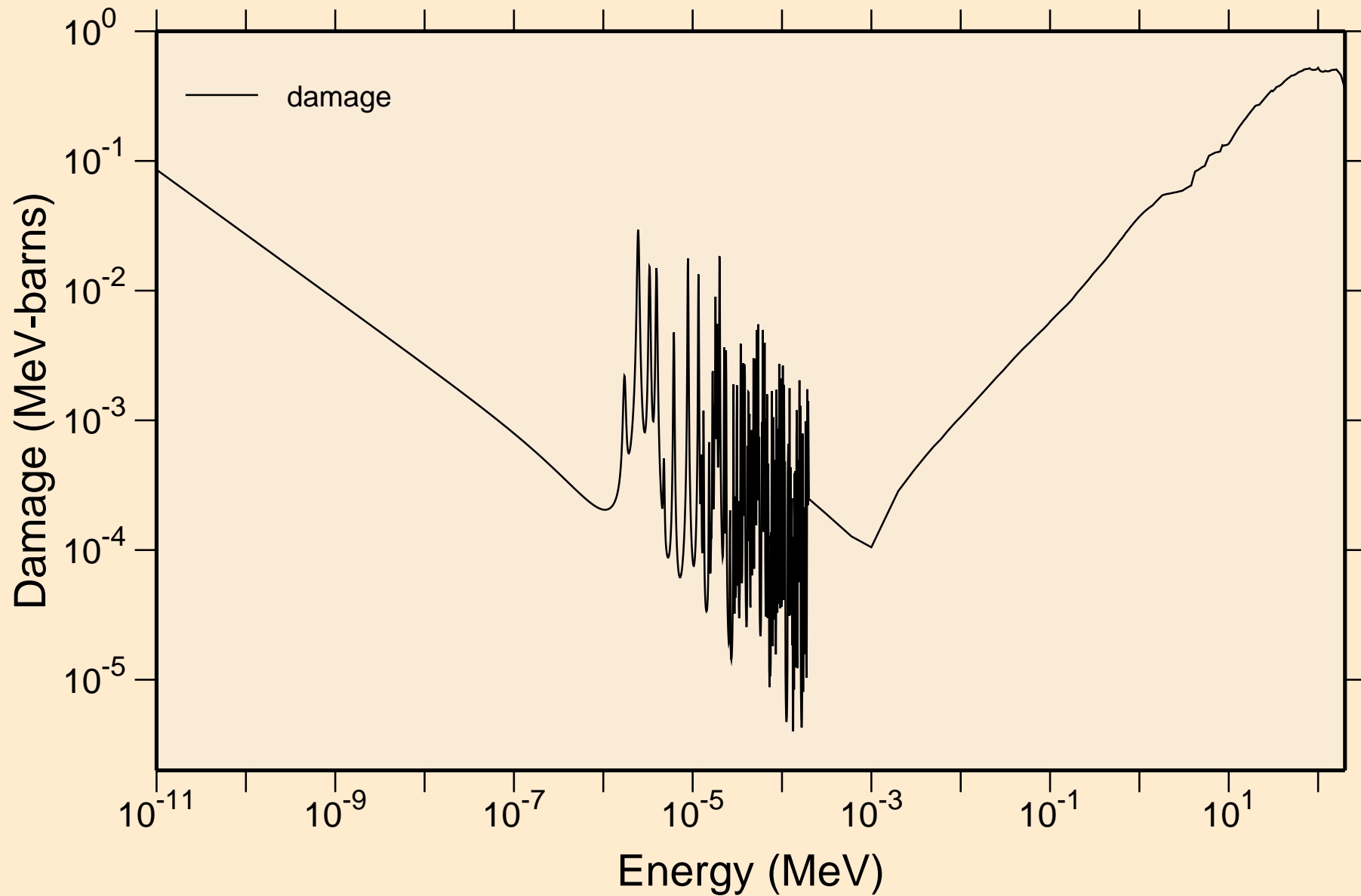
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resonance absorption cross sections



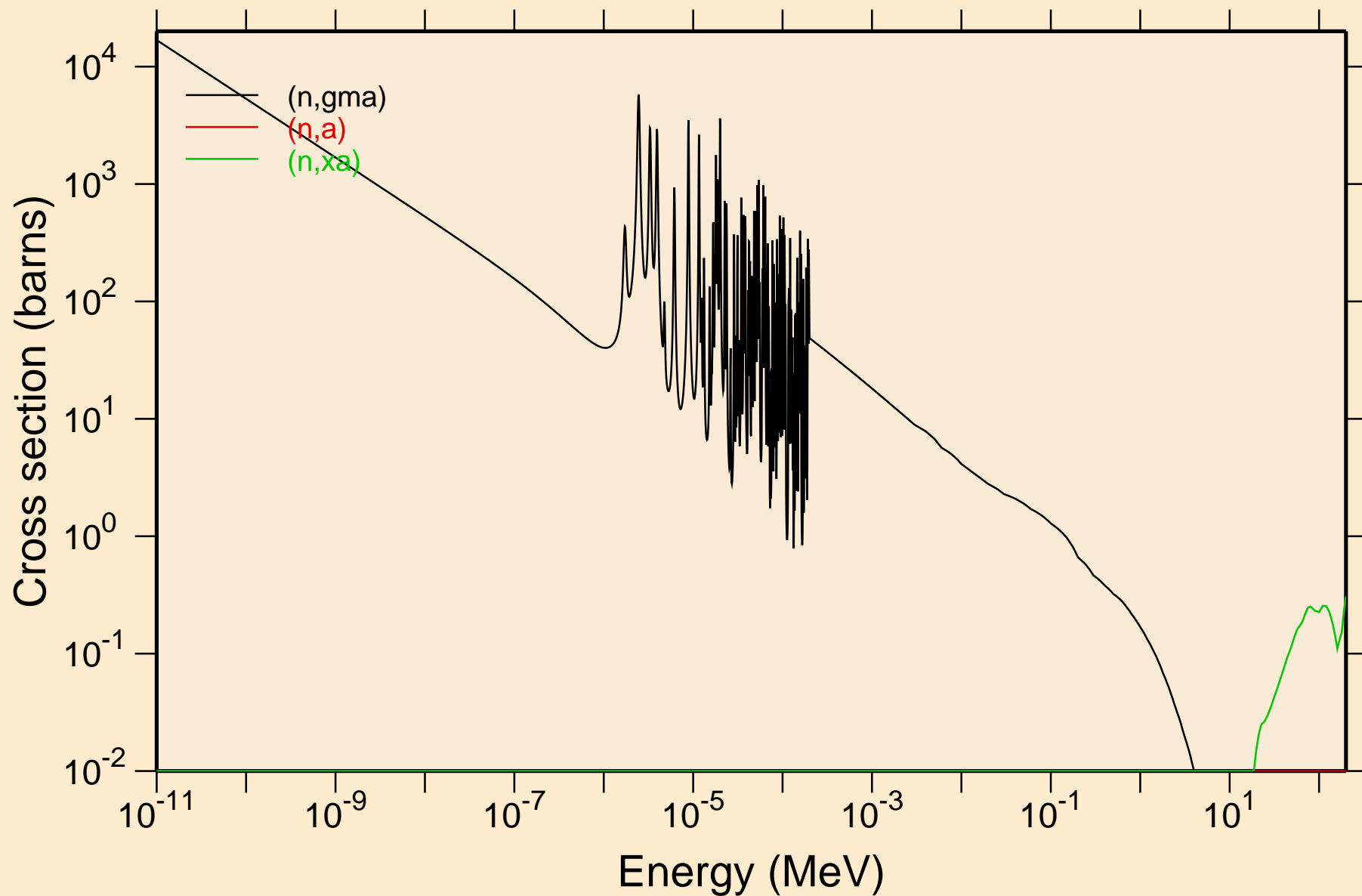
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage

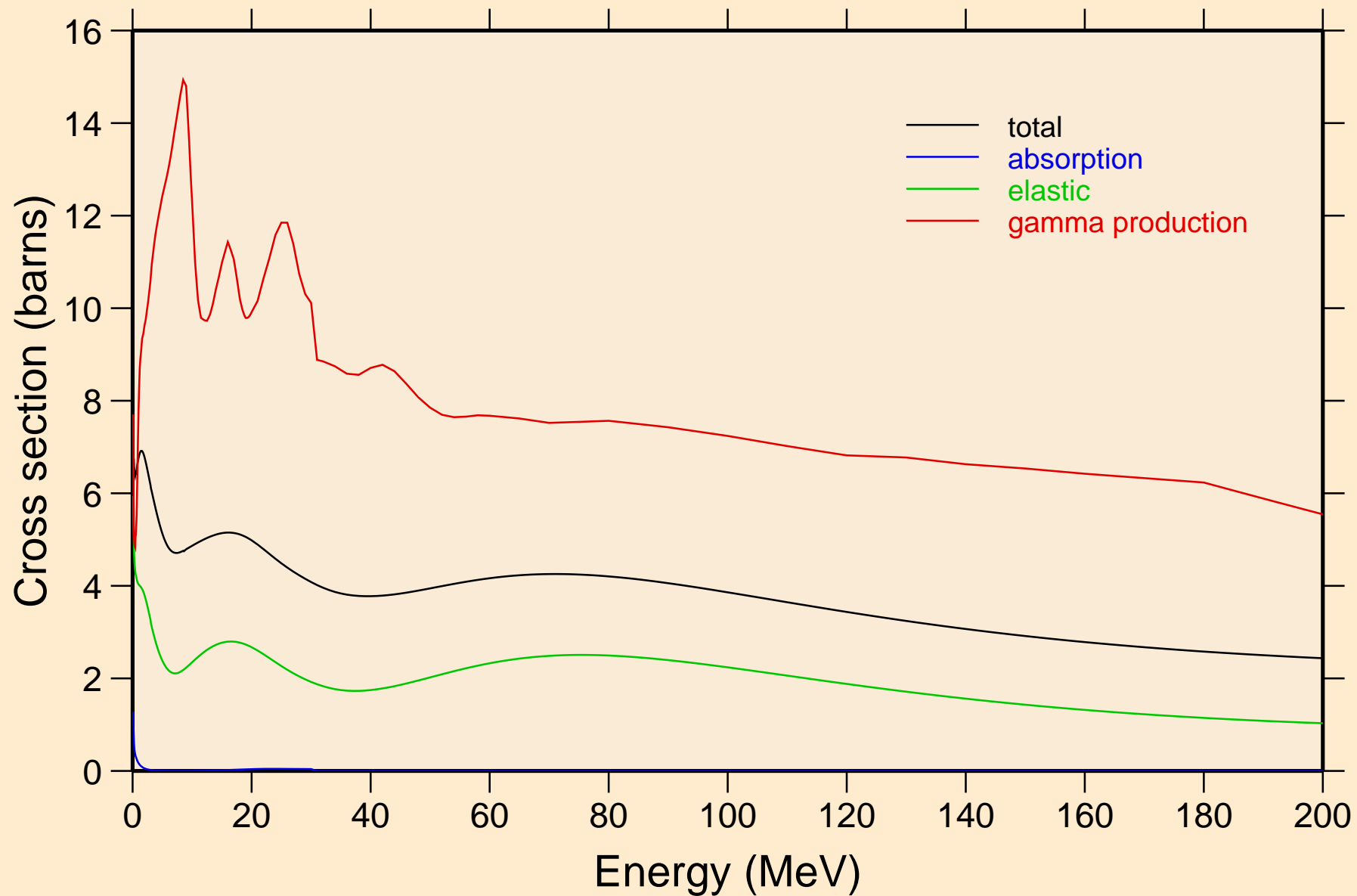


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

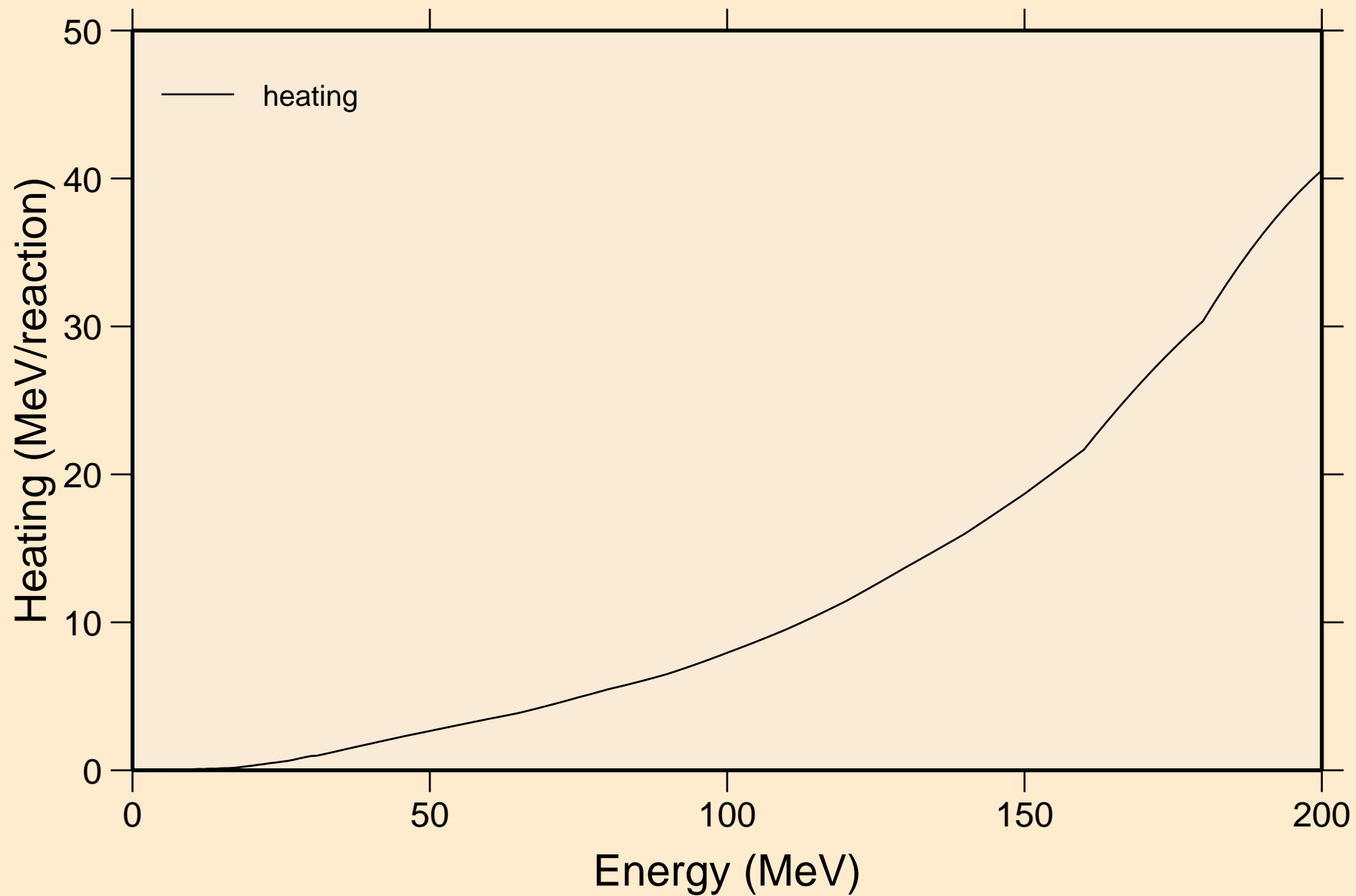


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

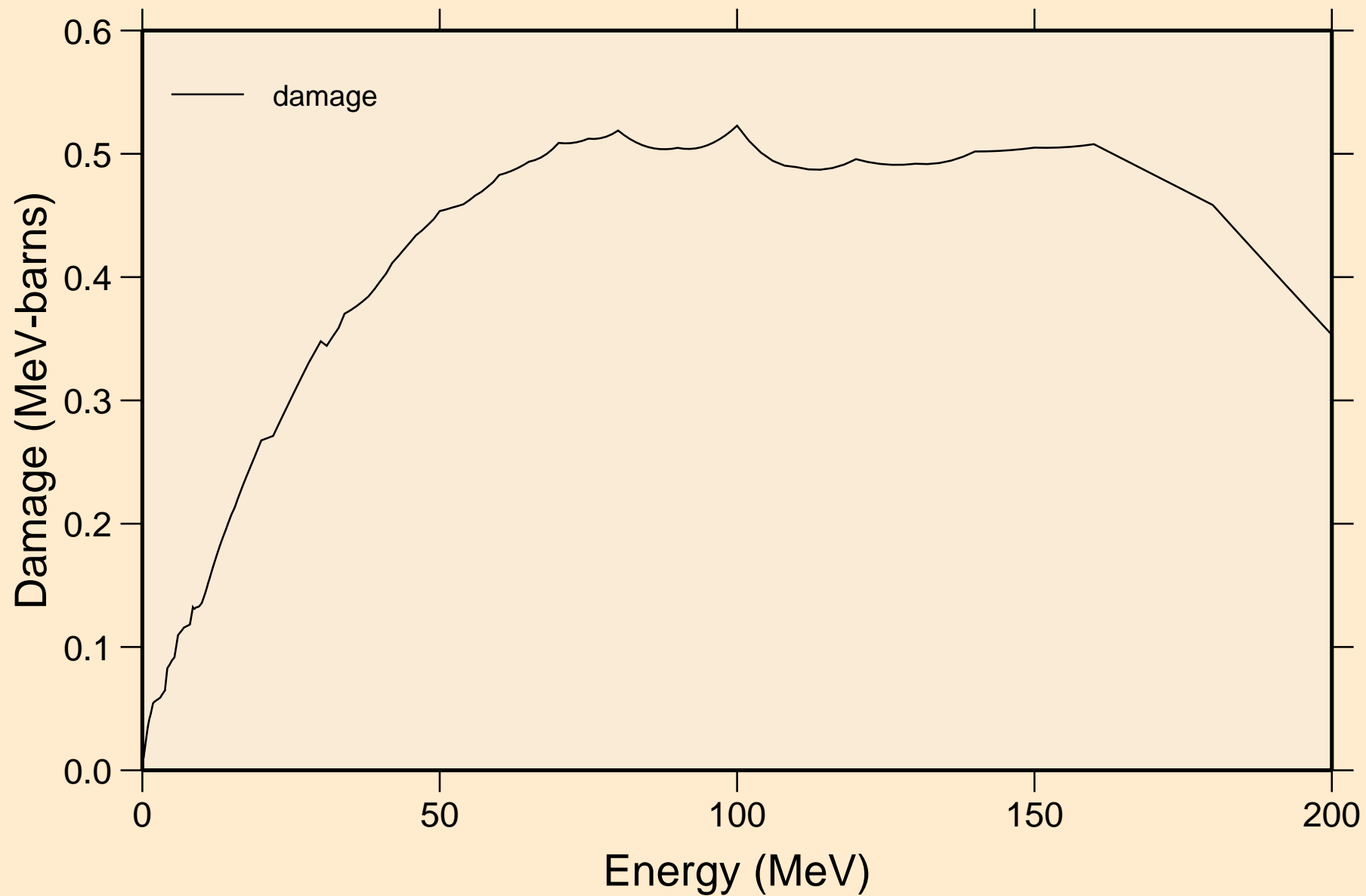
Principal cross sections



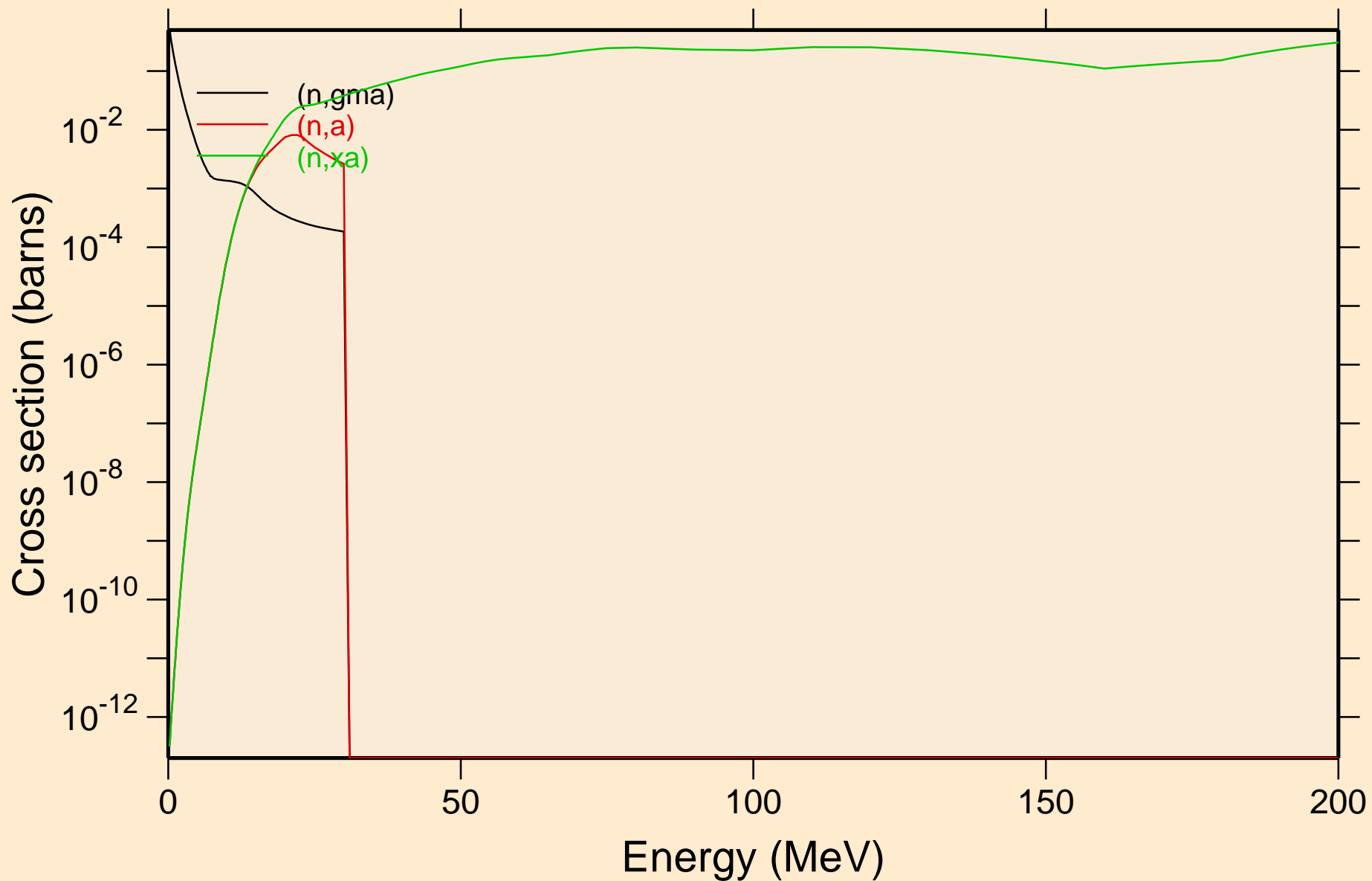
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Heating



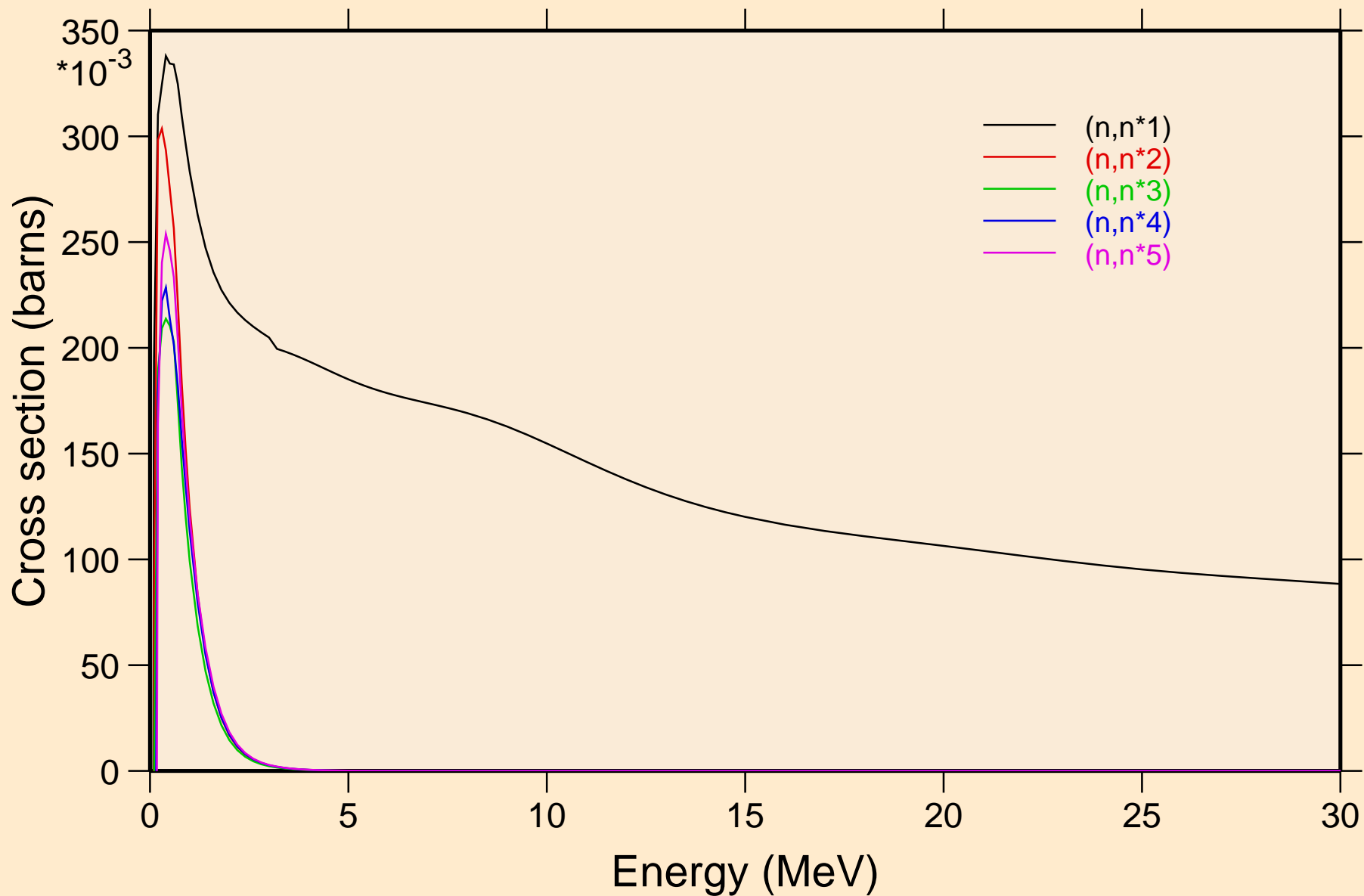
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Damage



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Non-threshold reactions

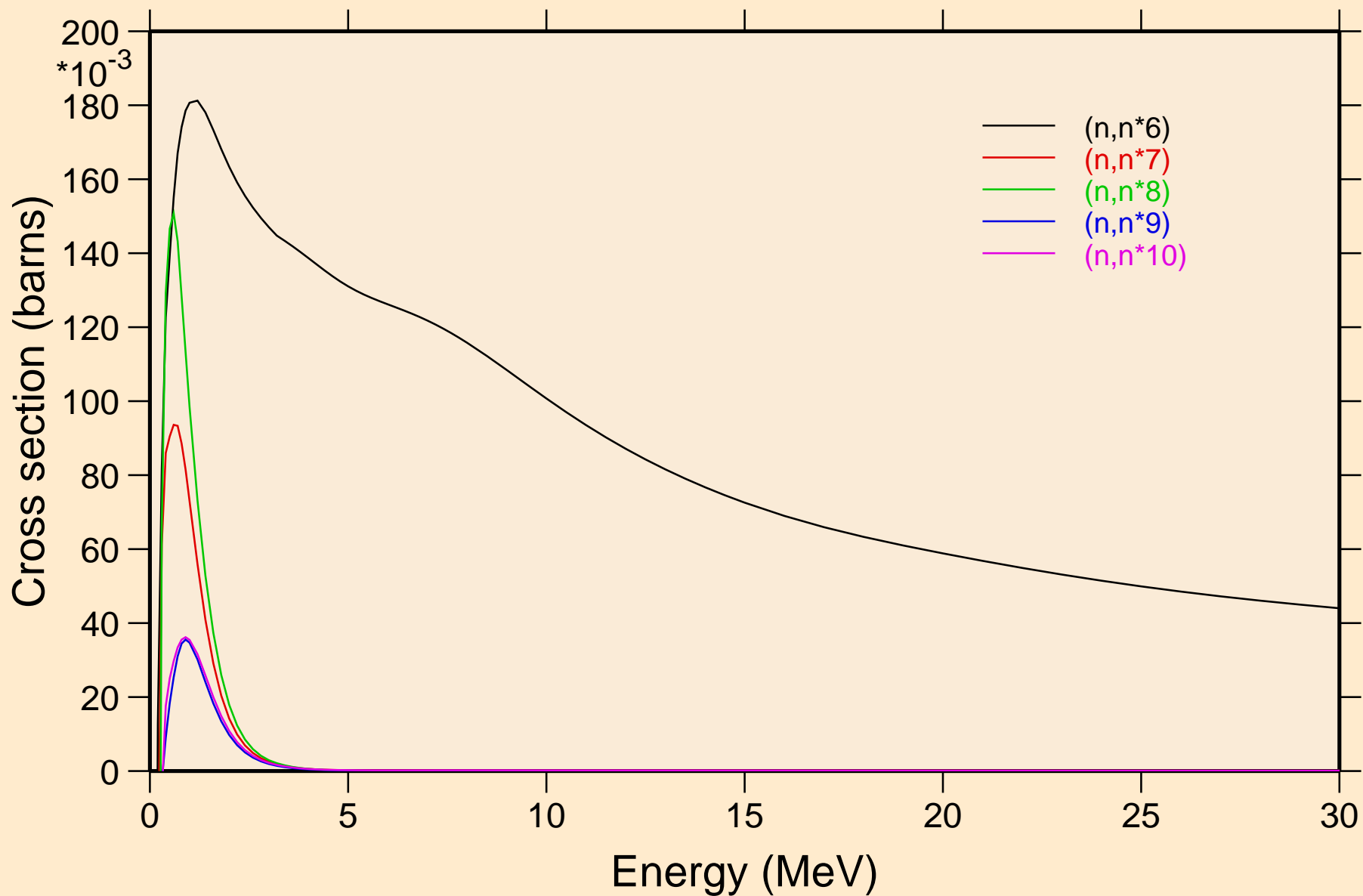


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels

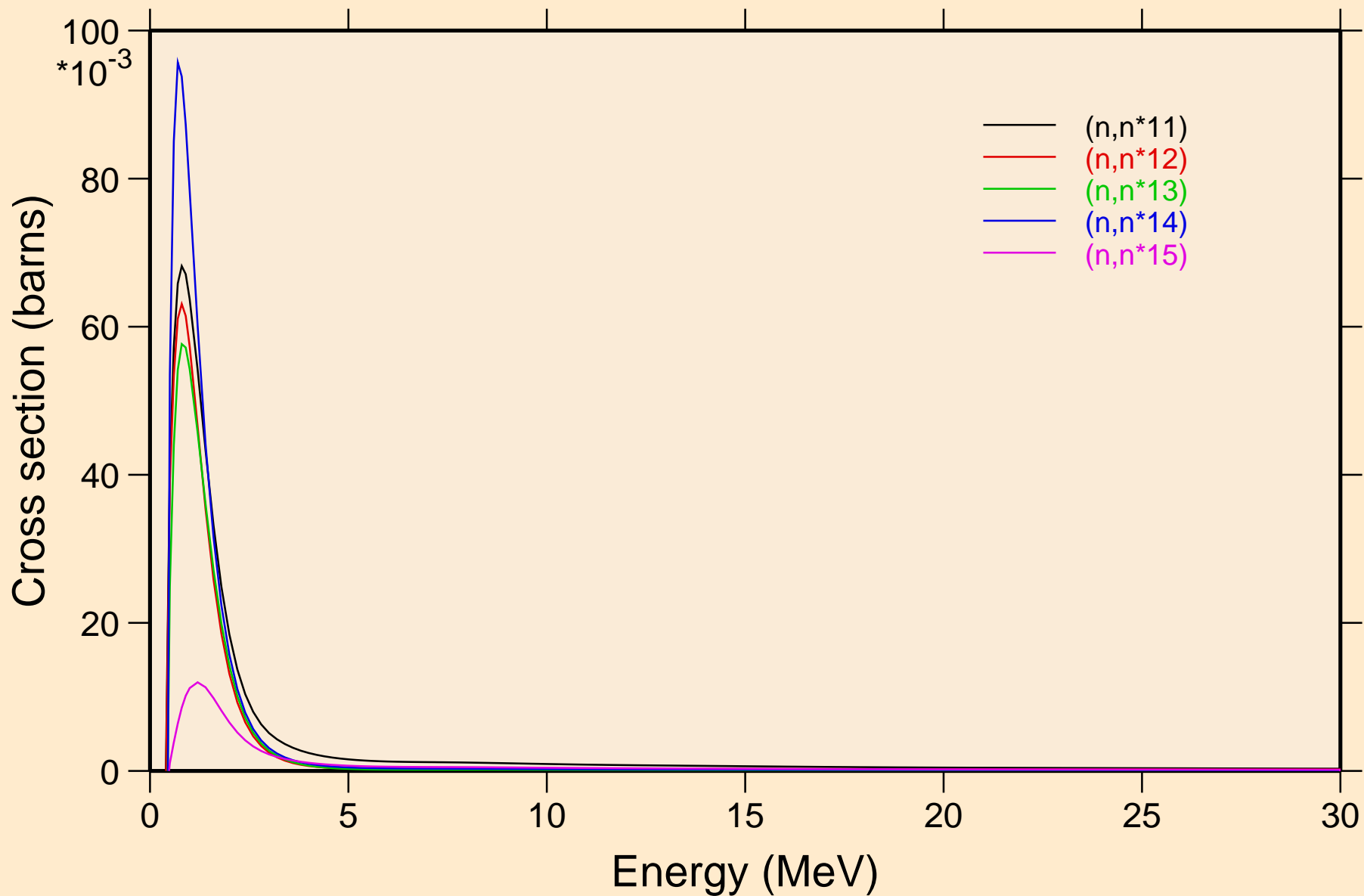


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

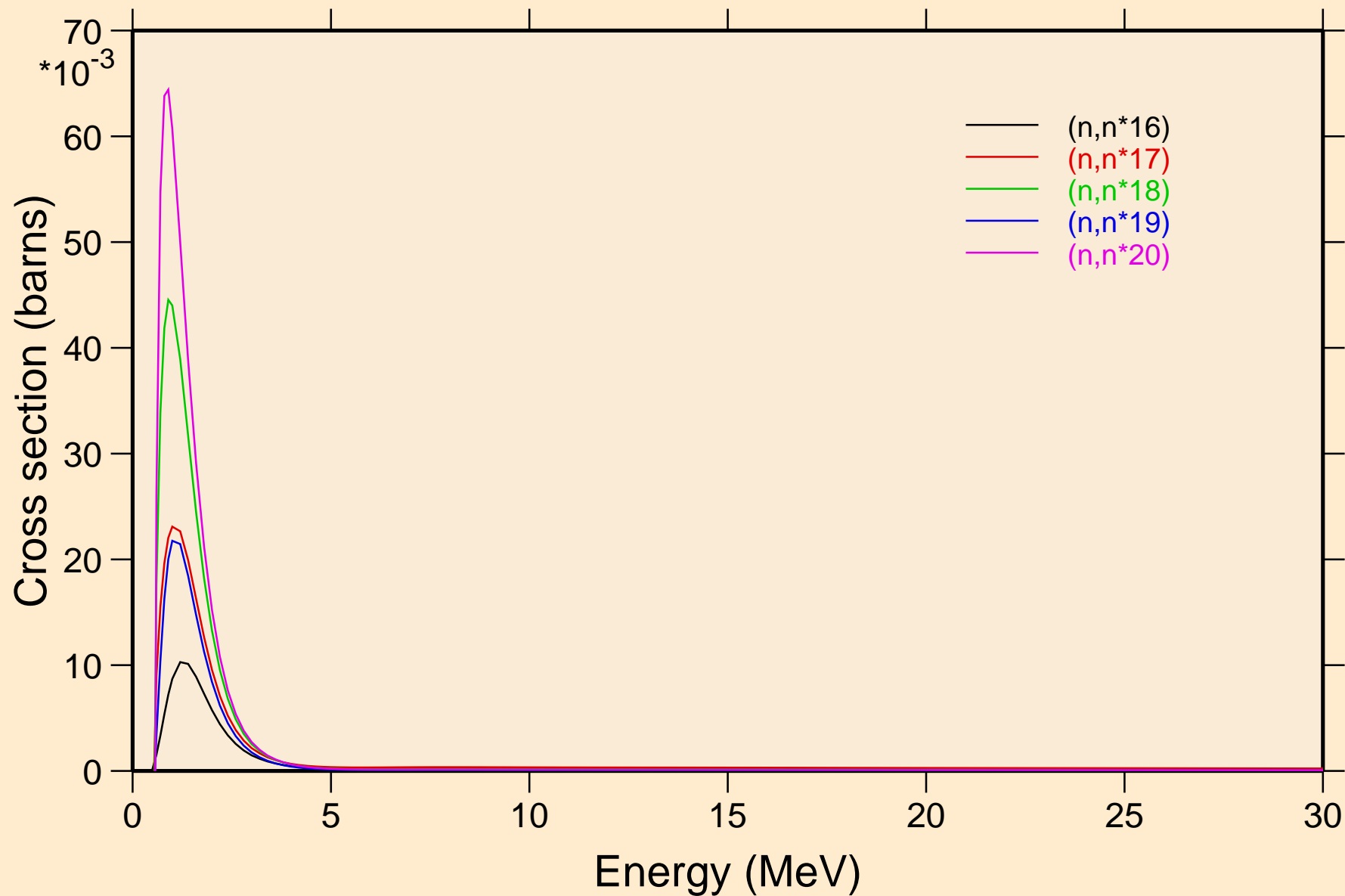
Inelastic levels



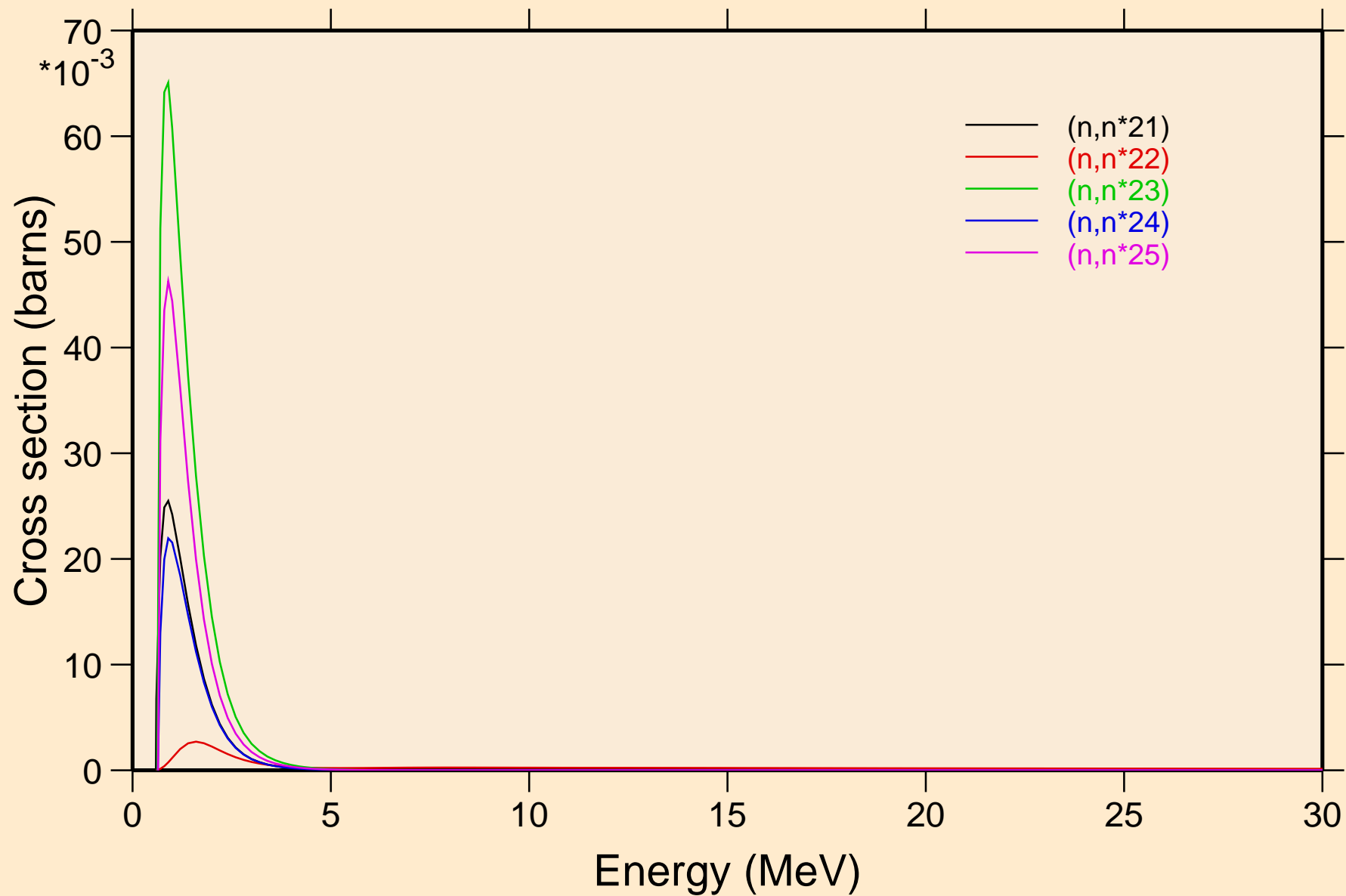
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



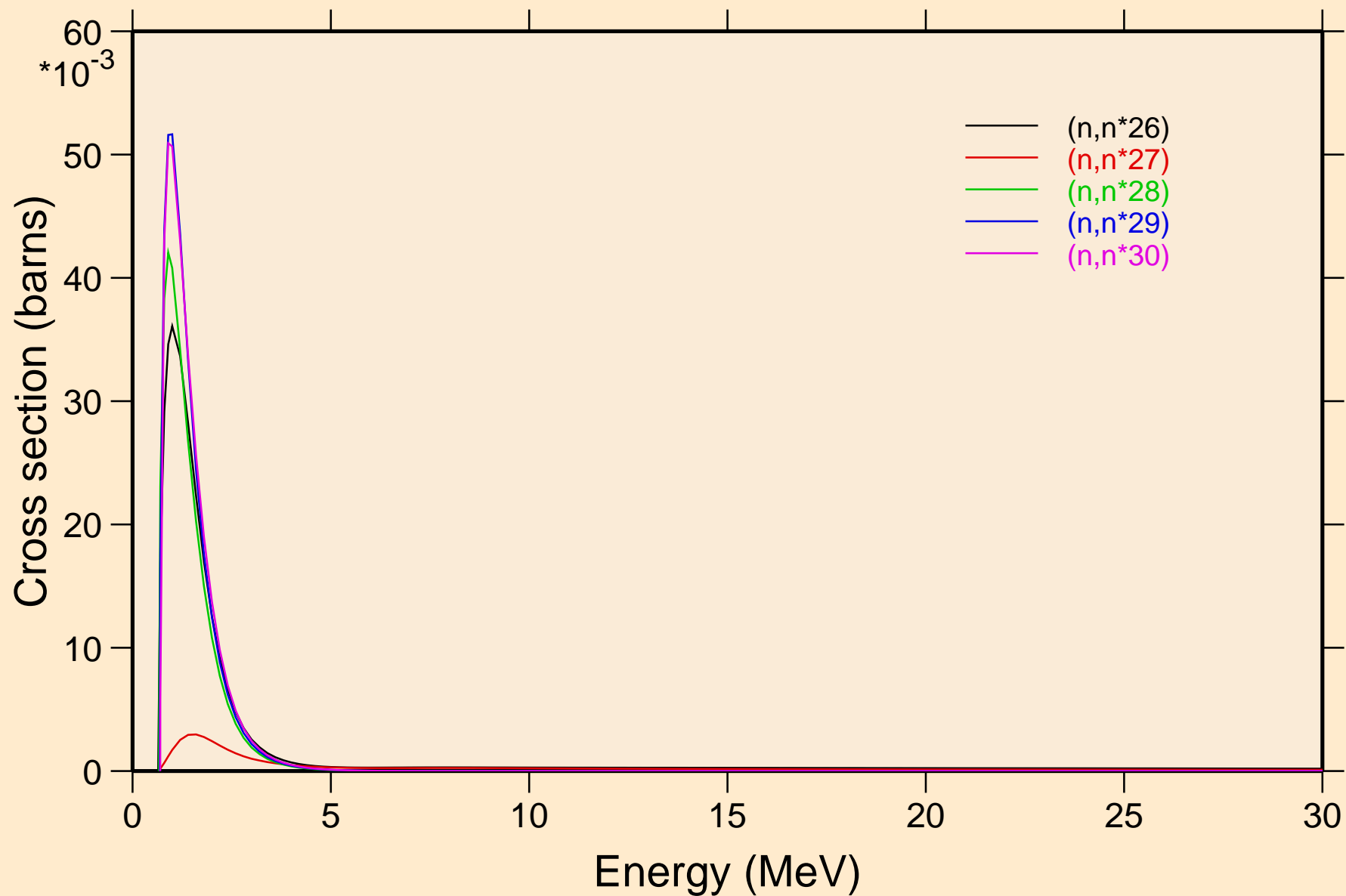
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



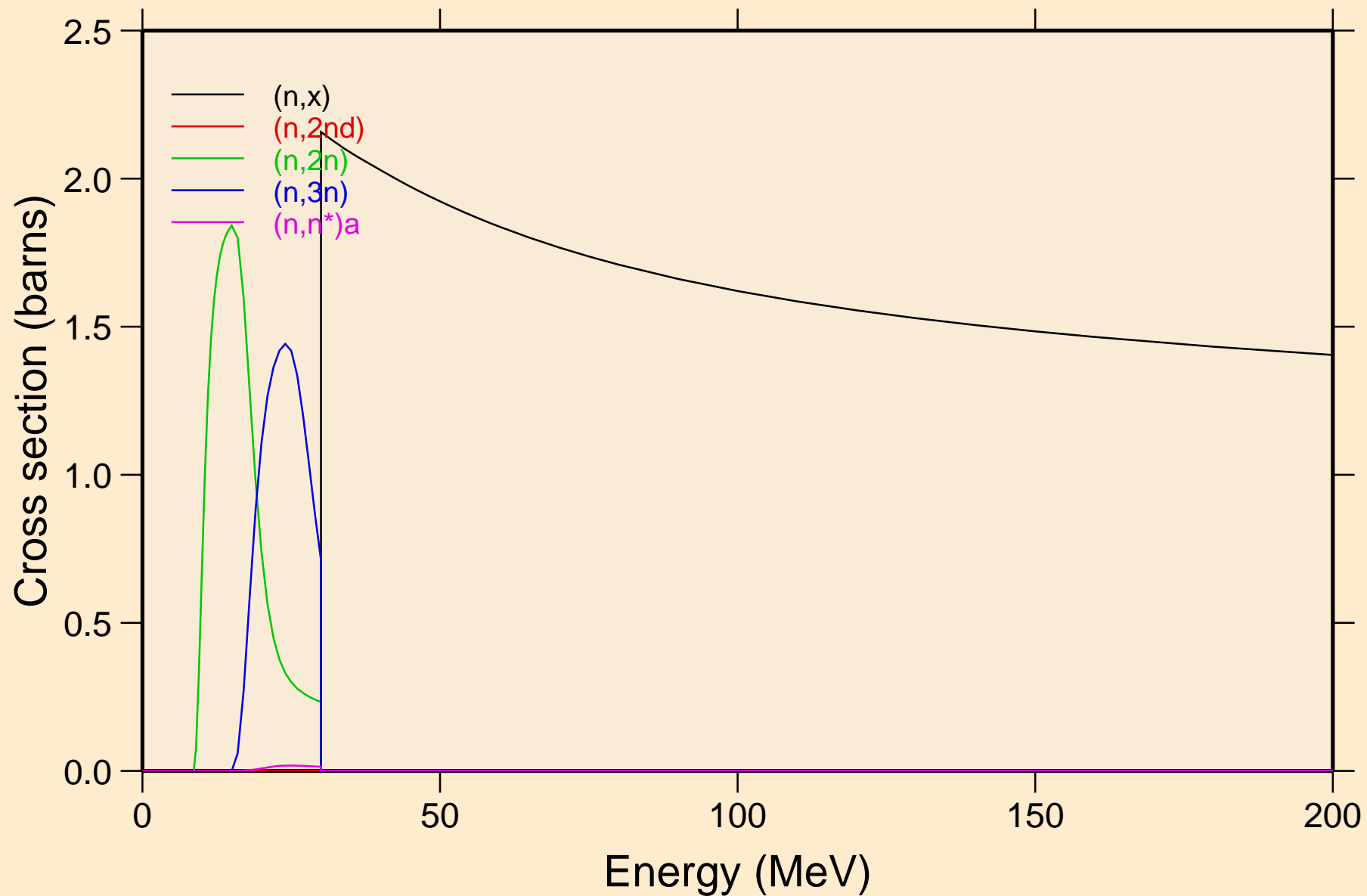
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



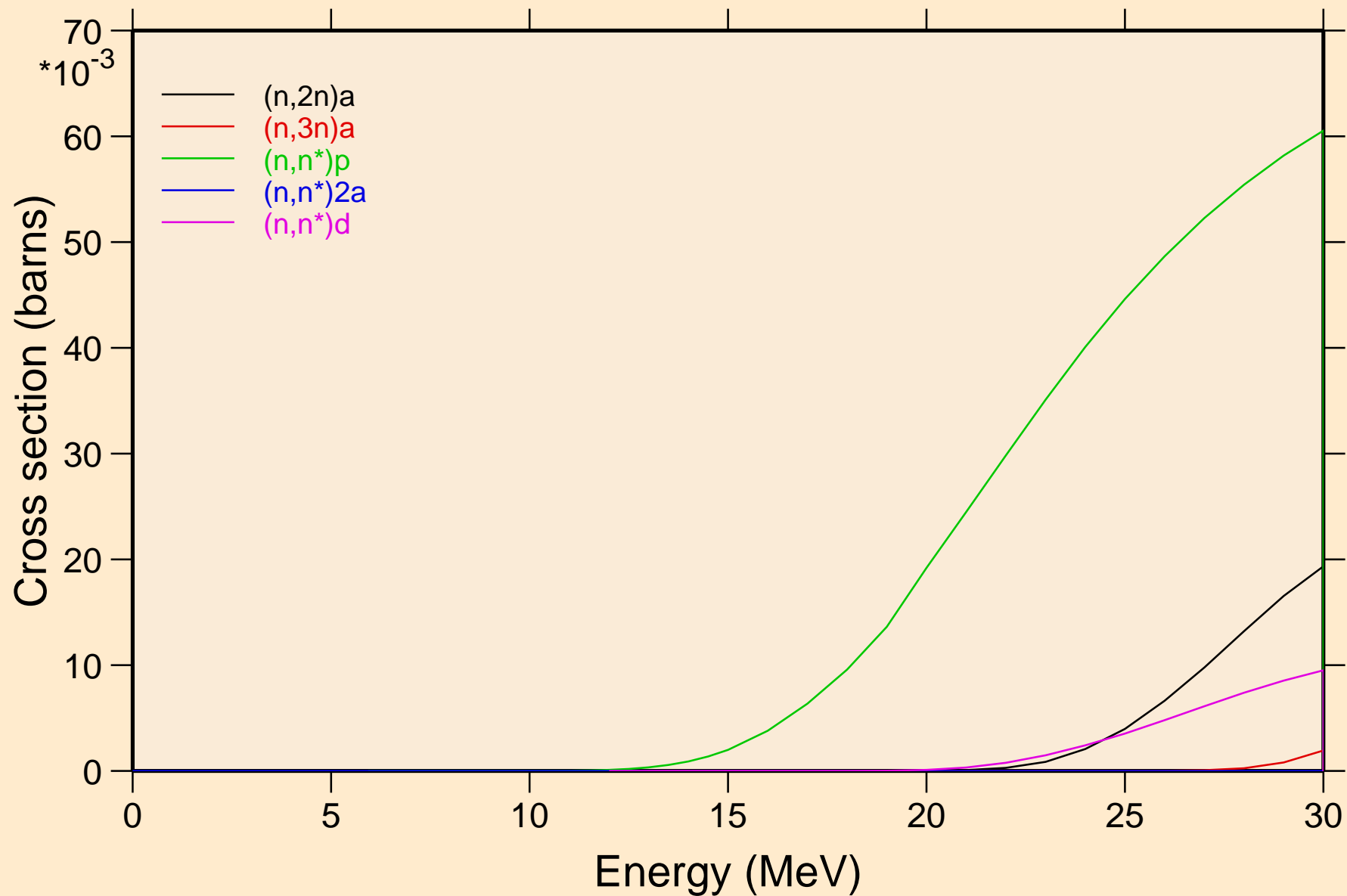
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Inelastic levels



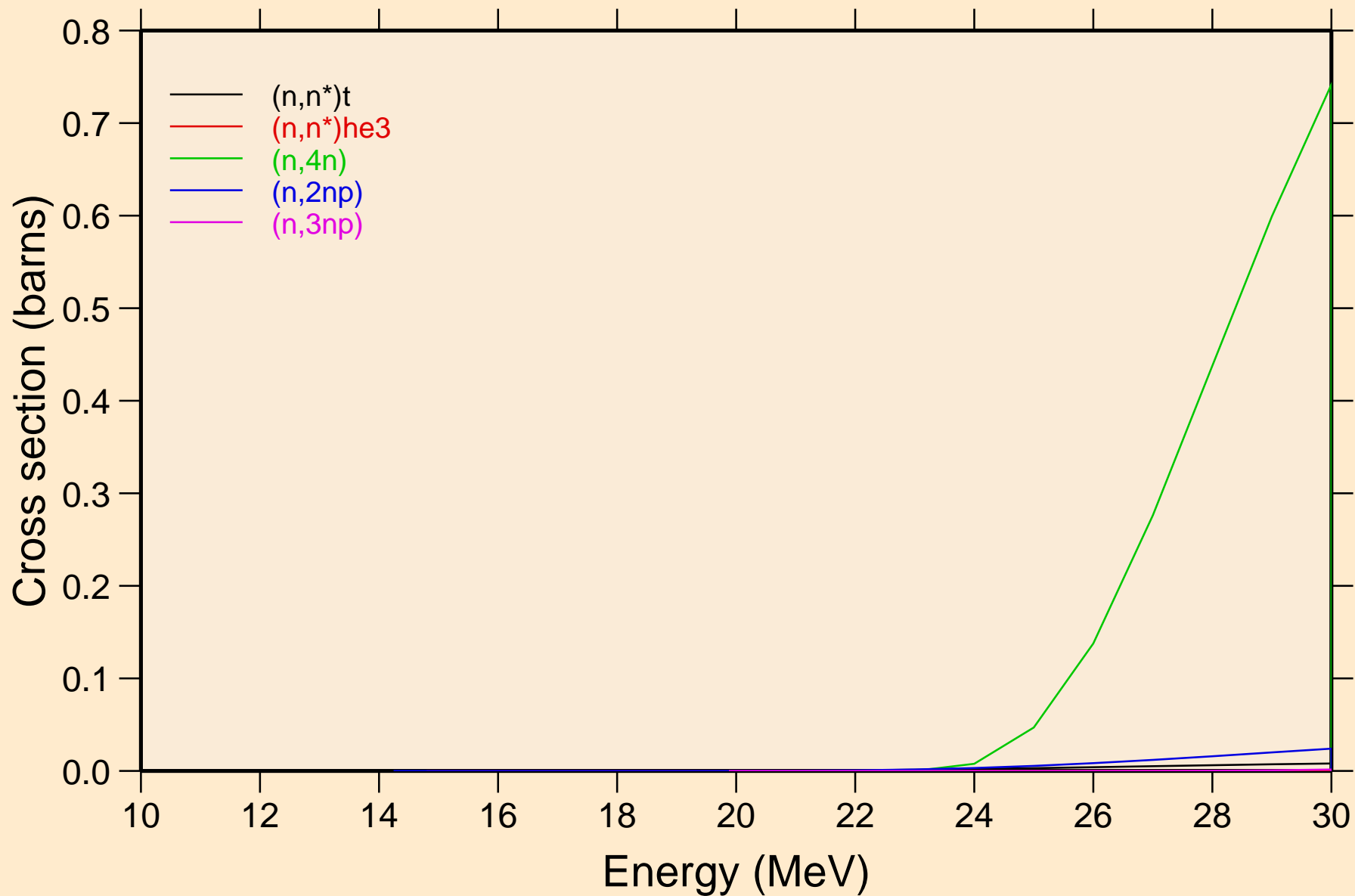
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



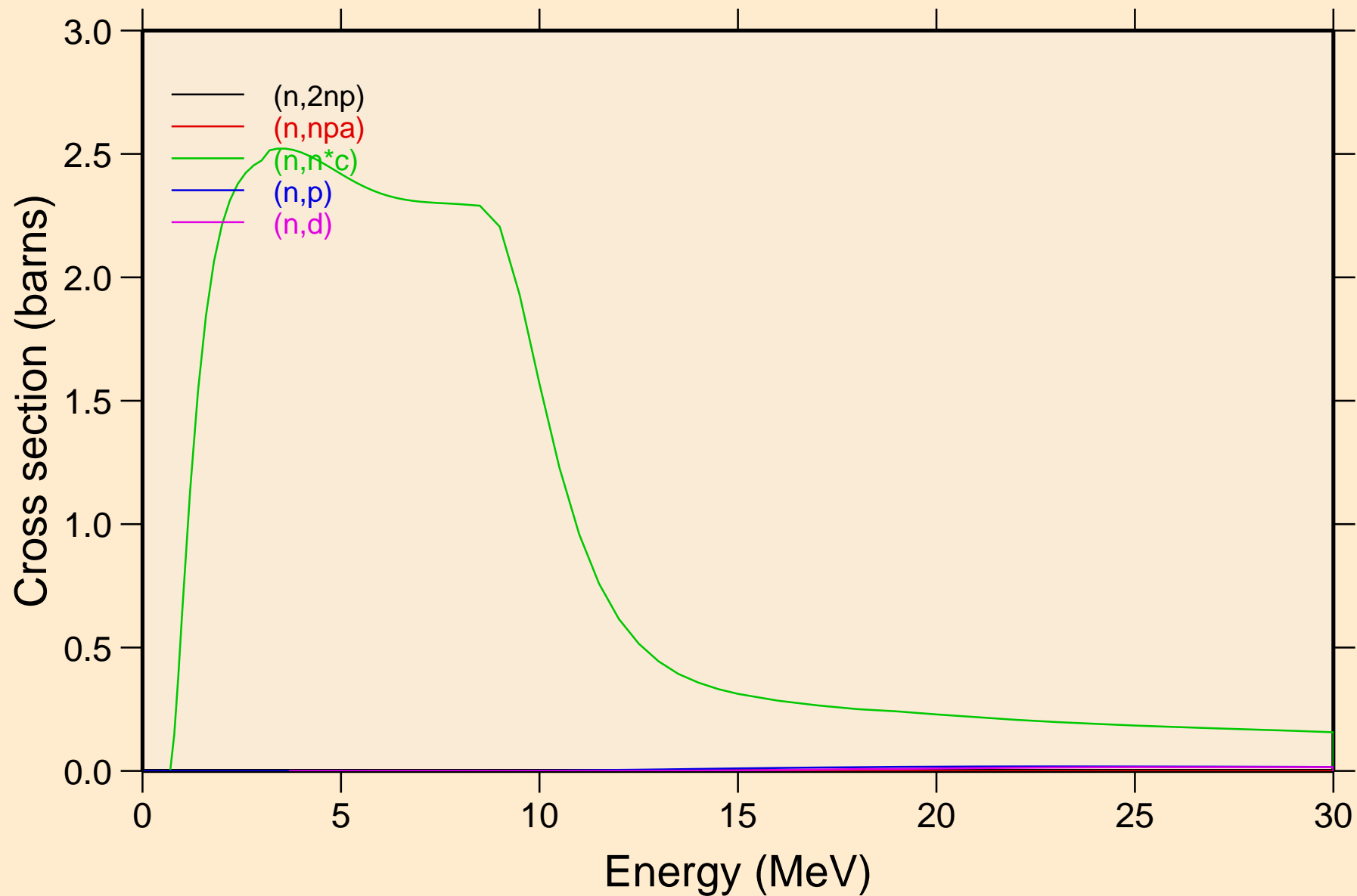
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



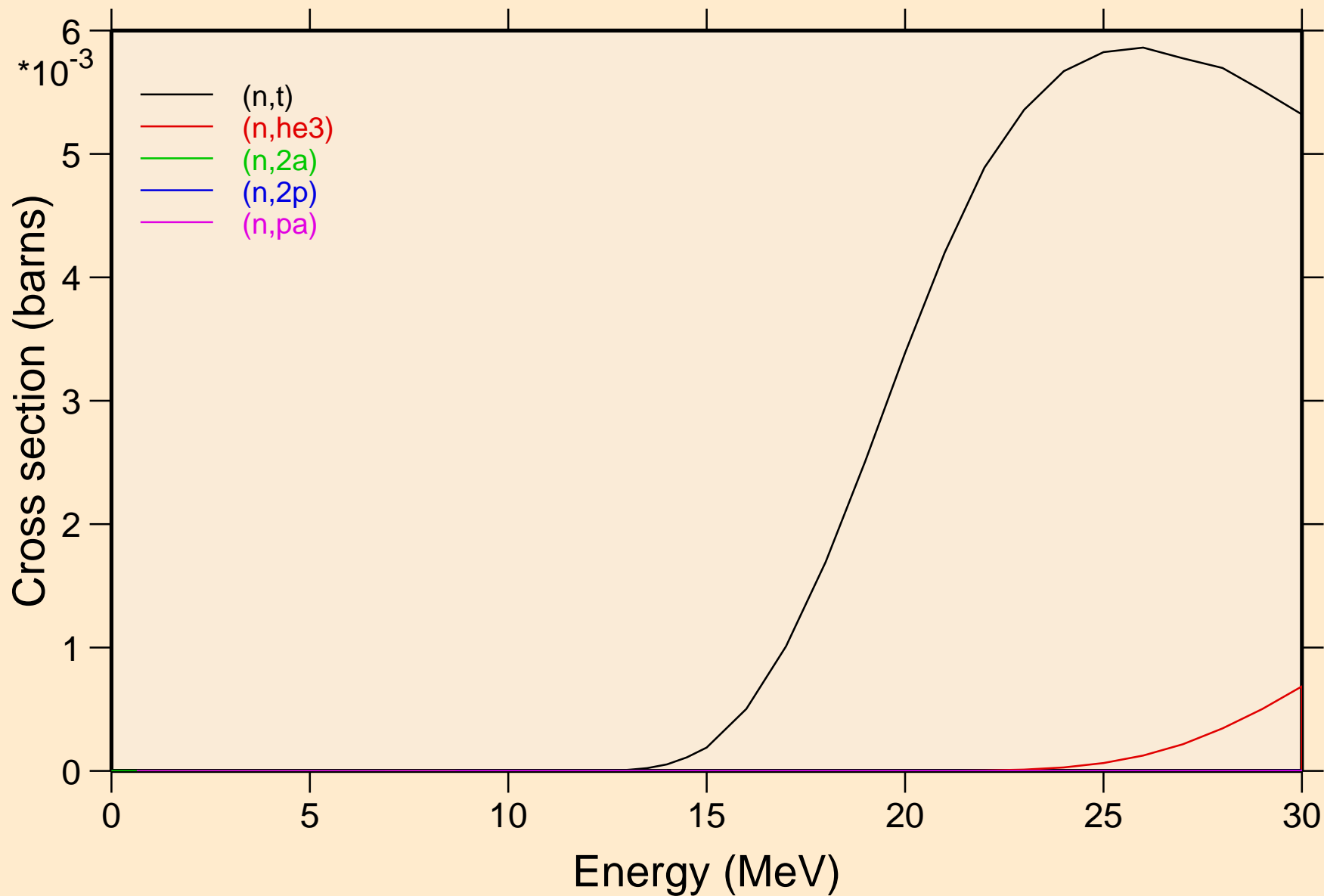
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



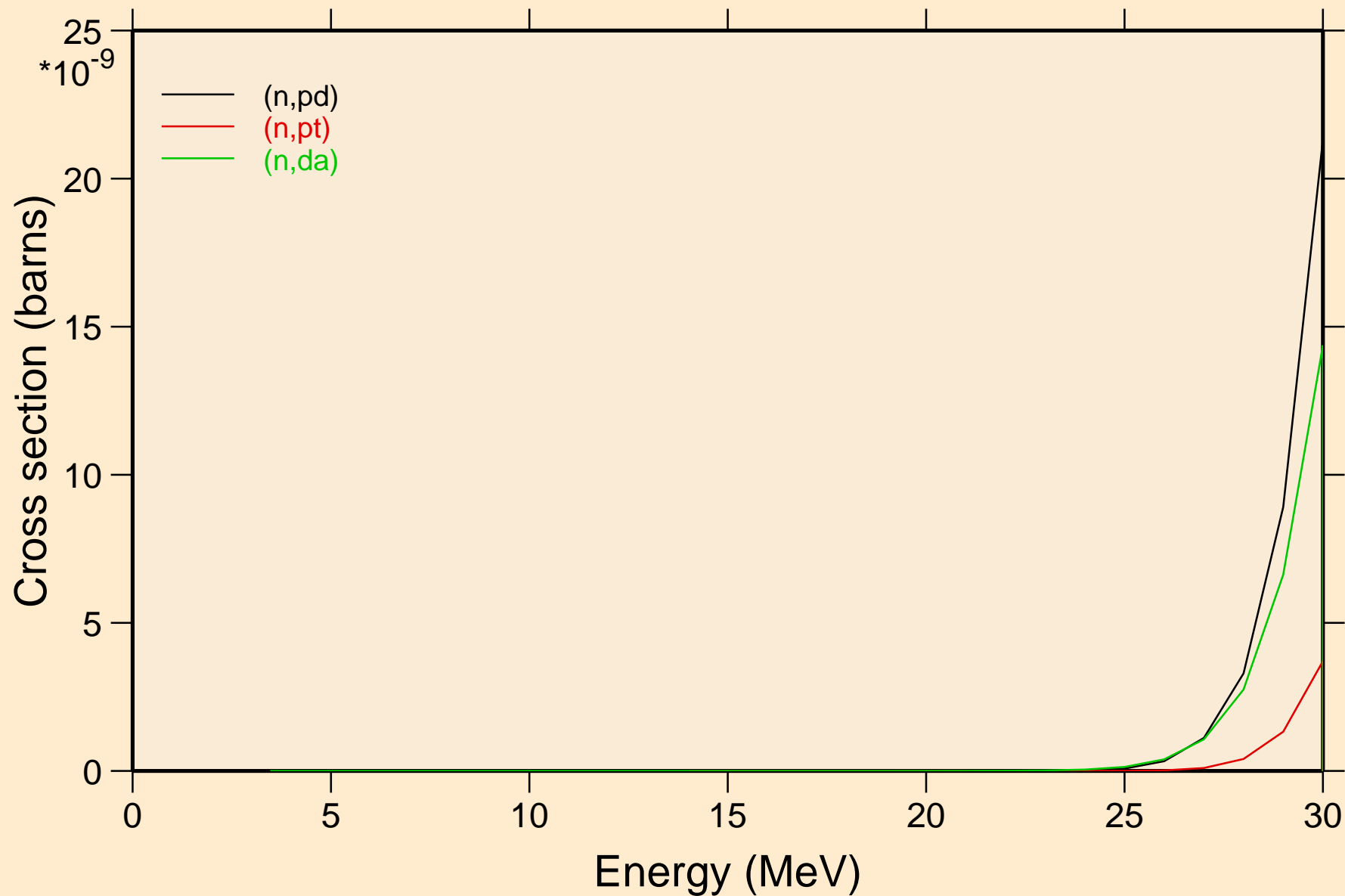
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



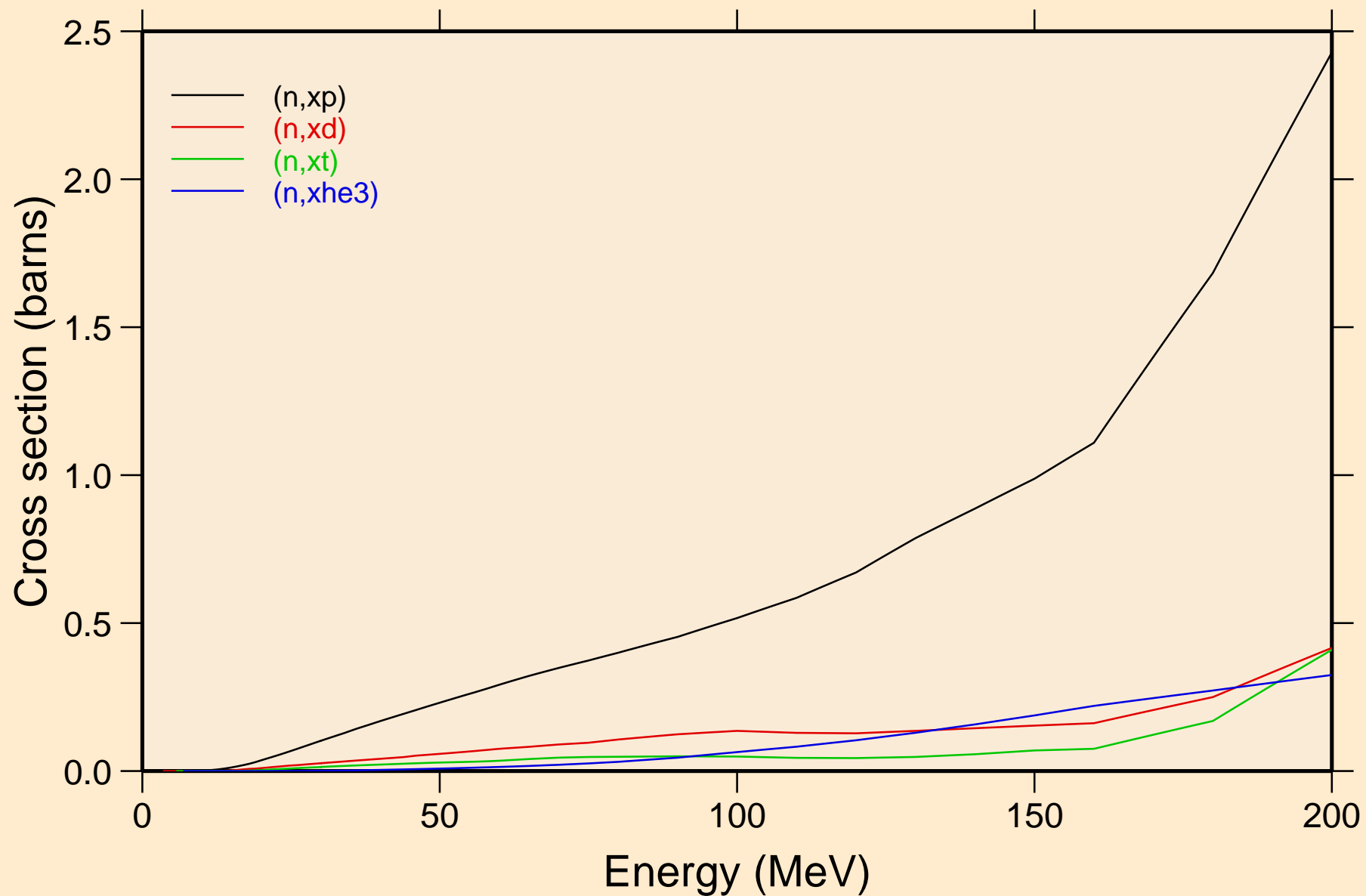
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



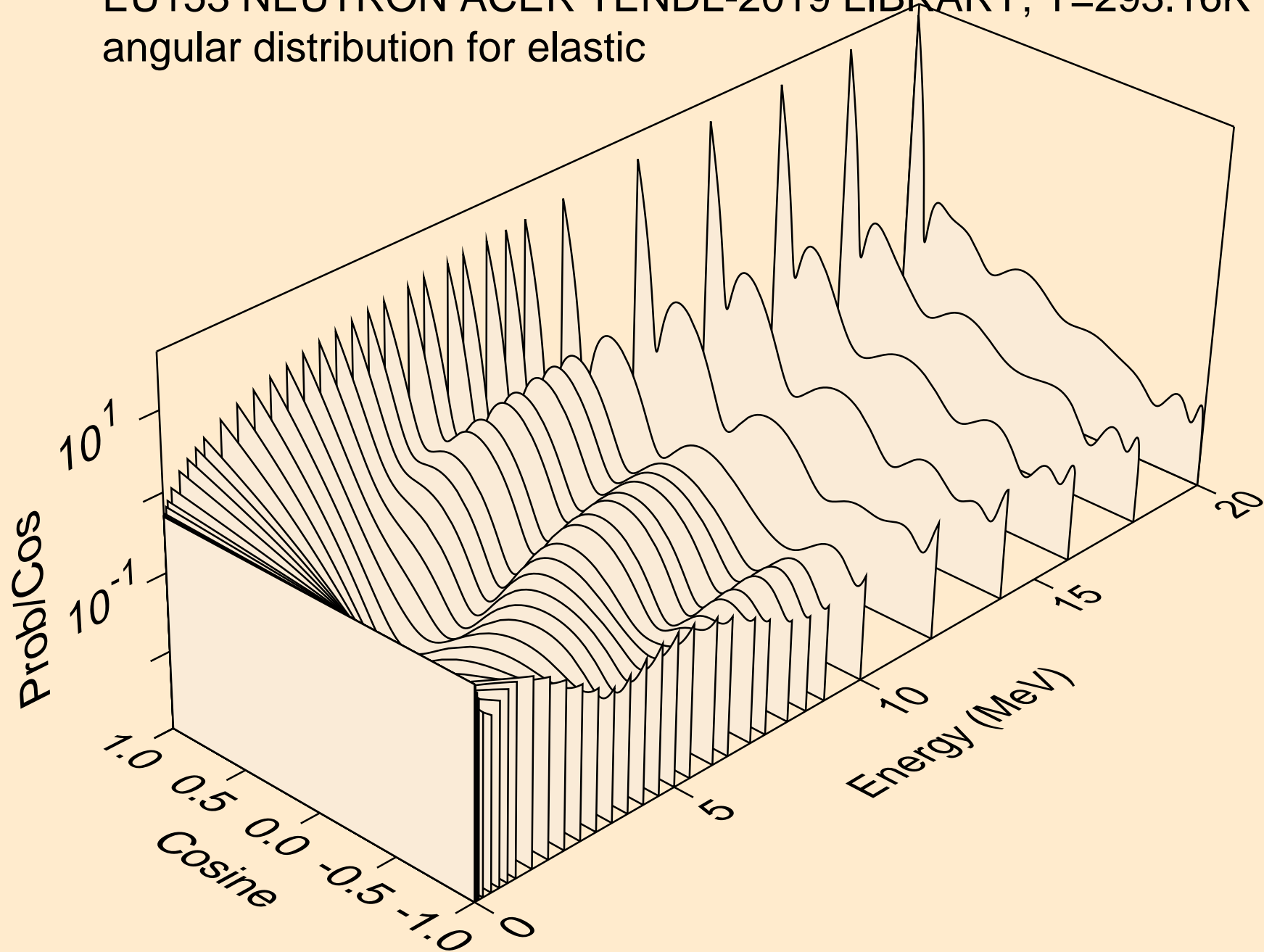
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Threshold reactions



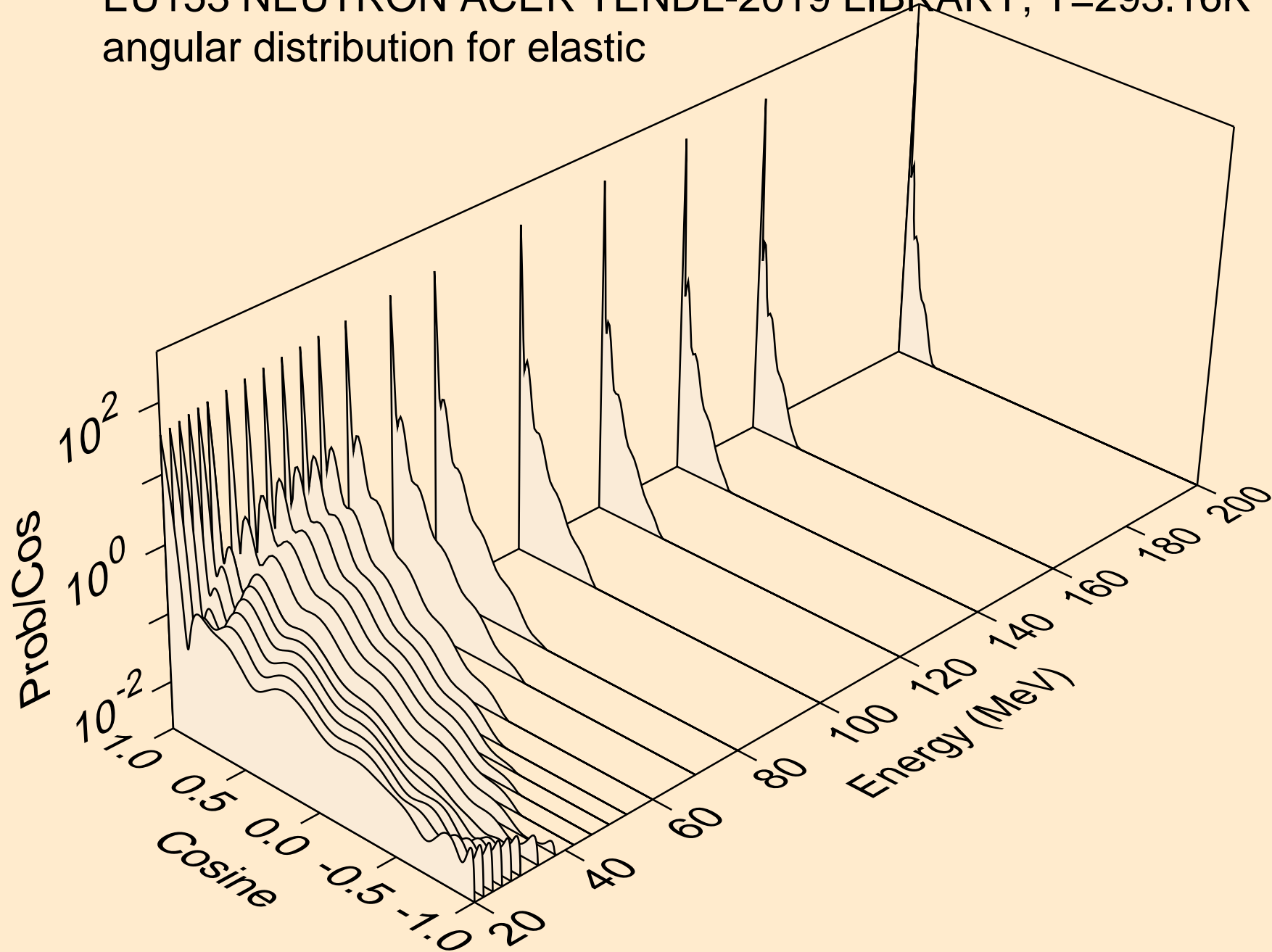
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Threshold reactions



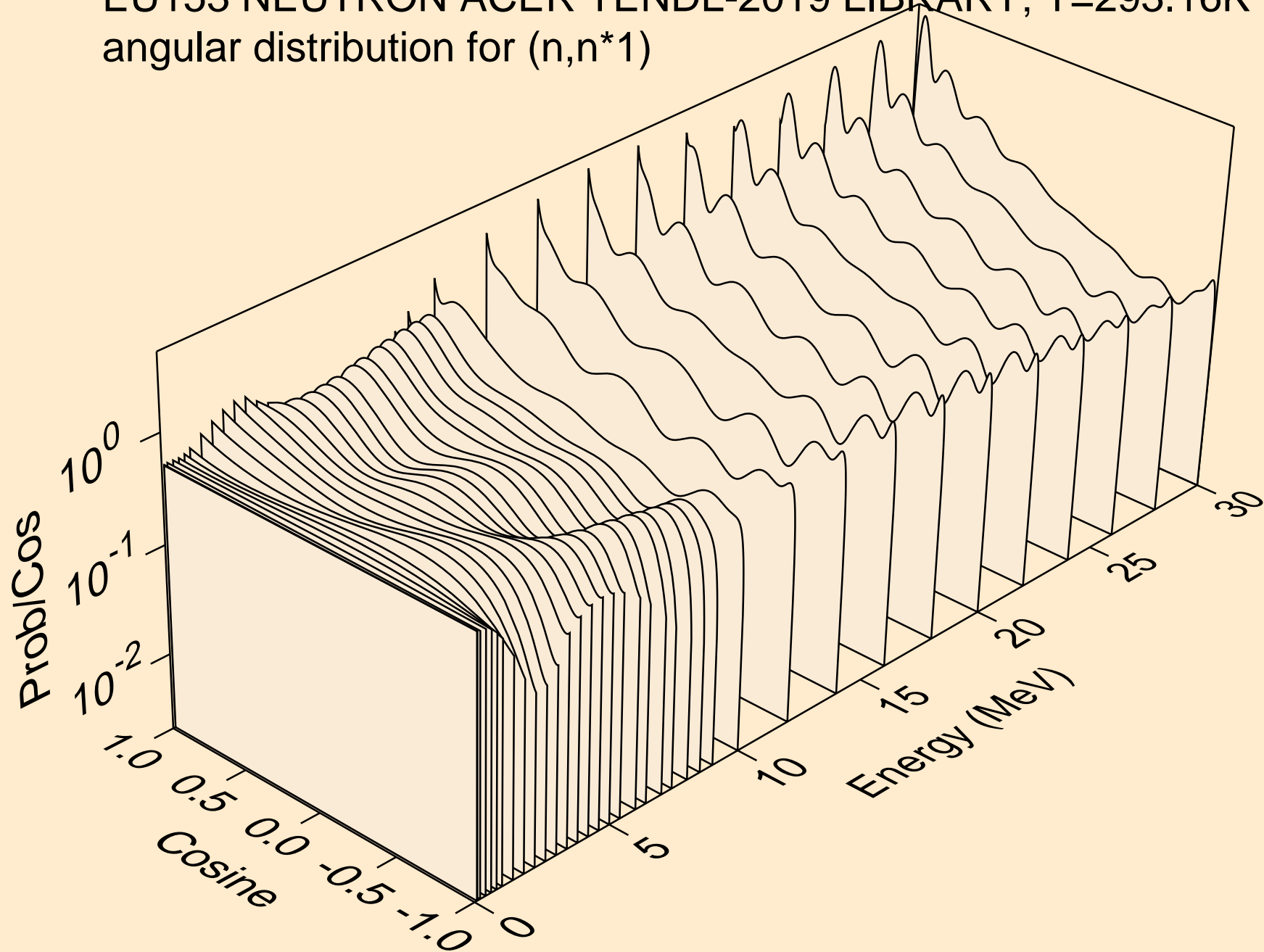
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



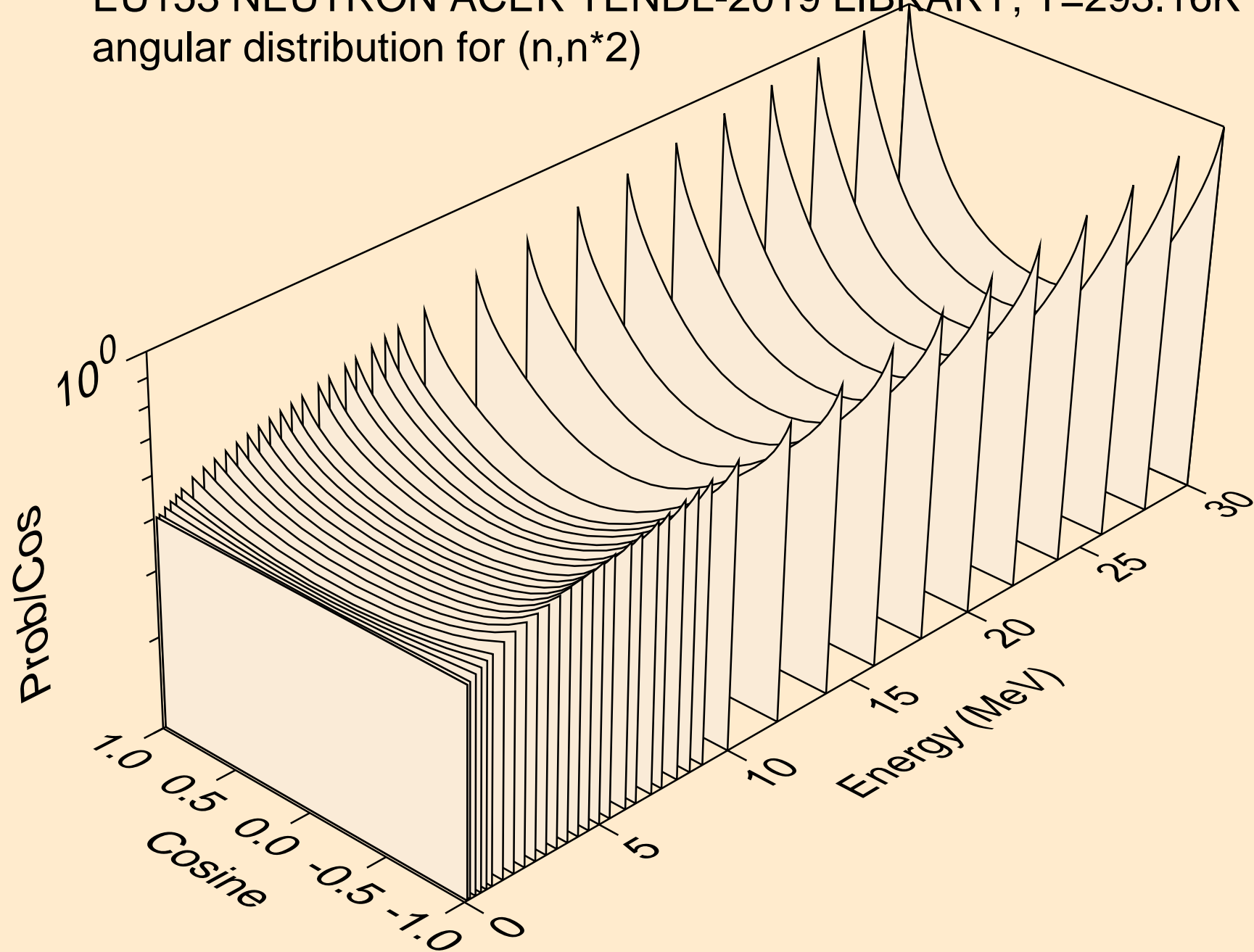
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for elastic



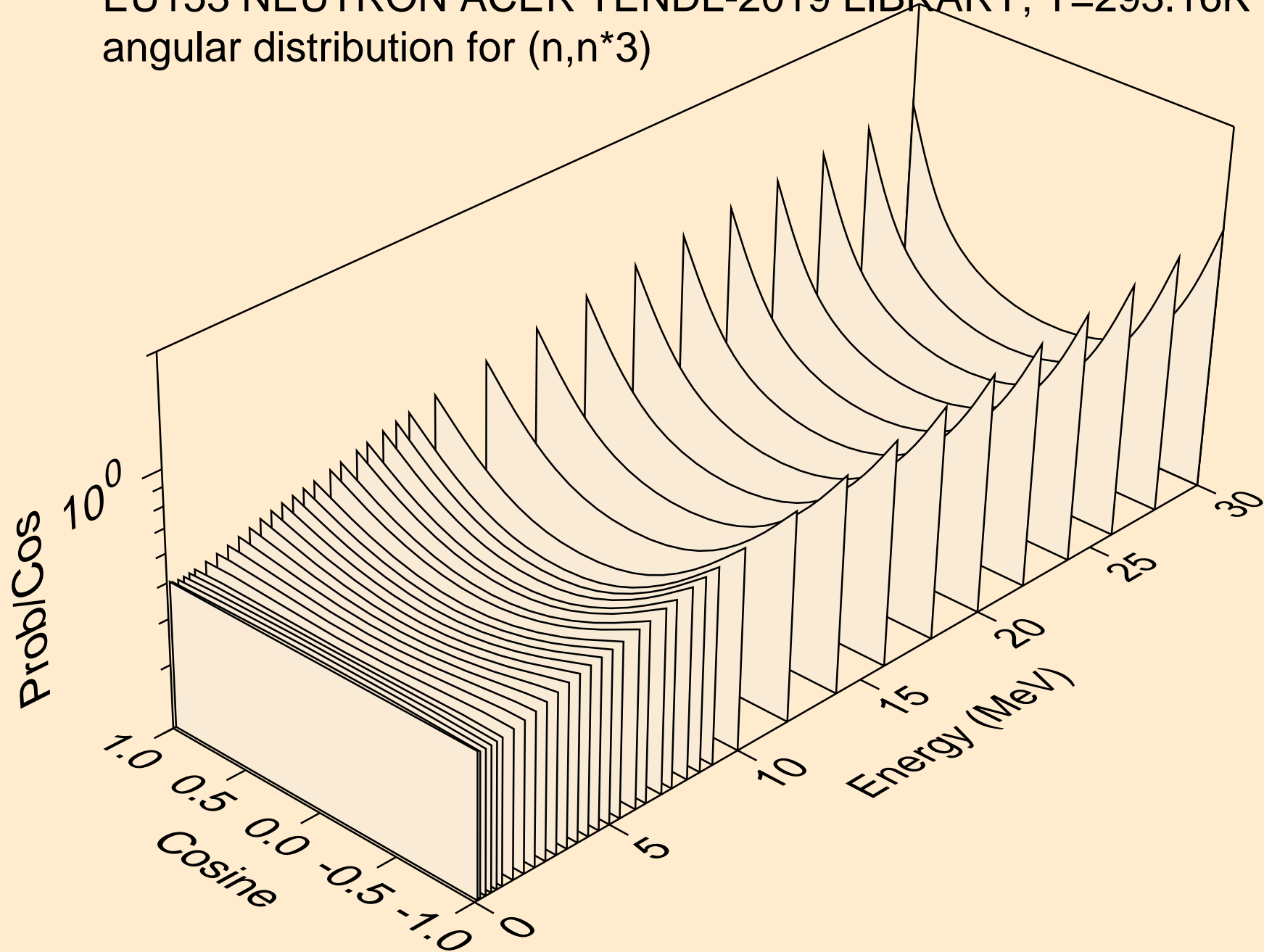
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*1)



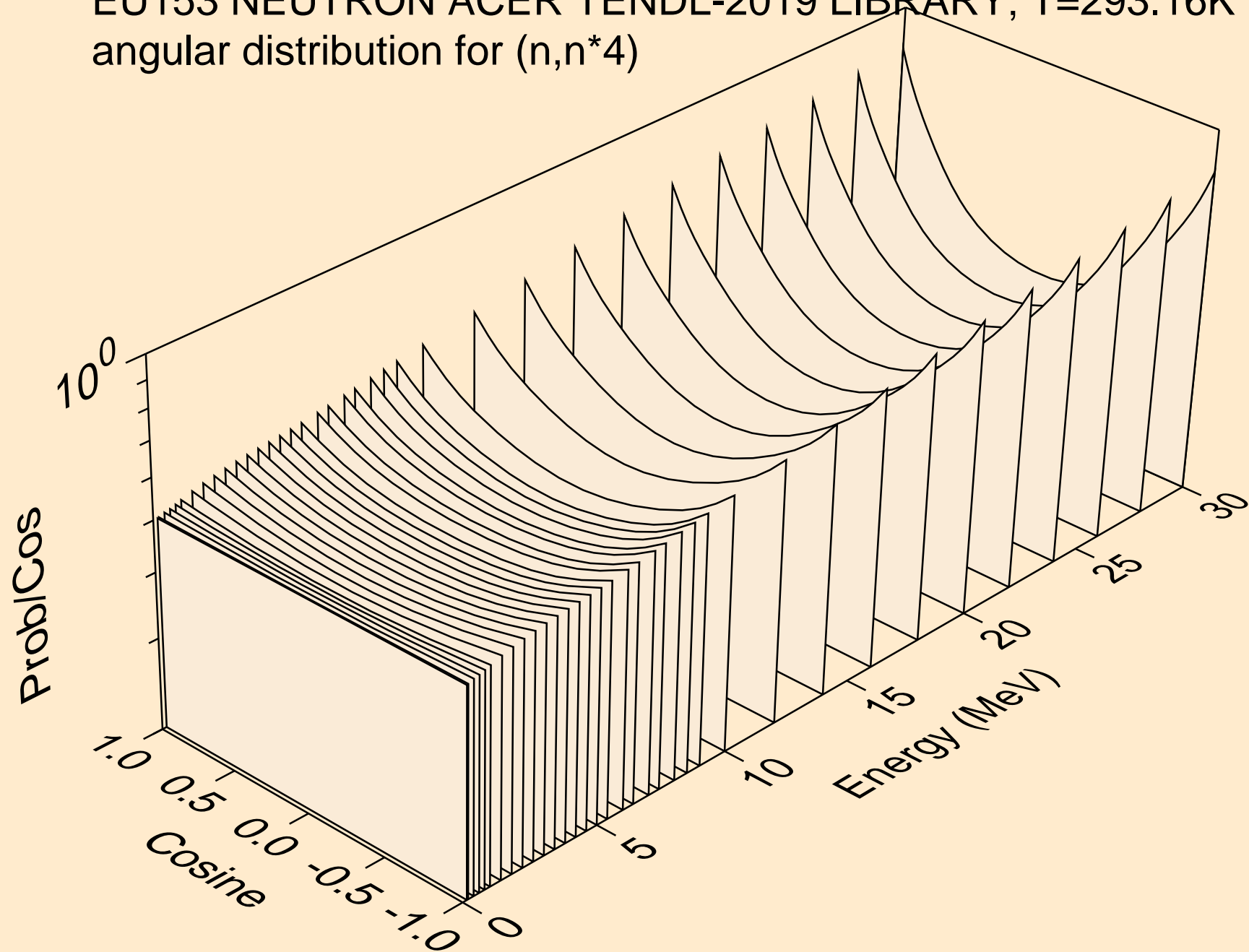
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*2)



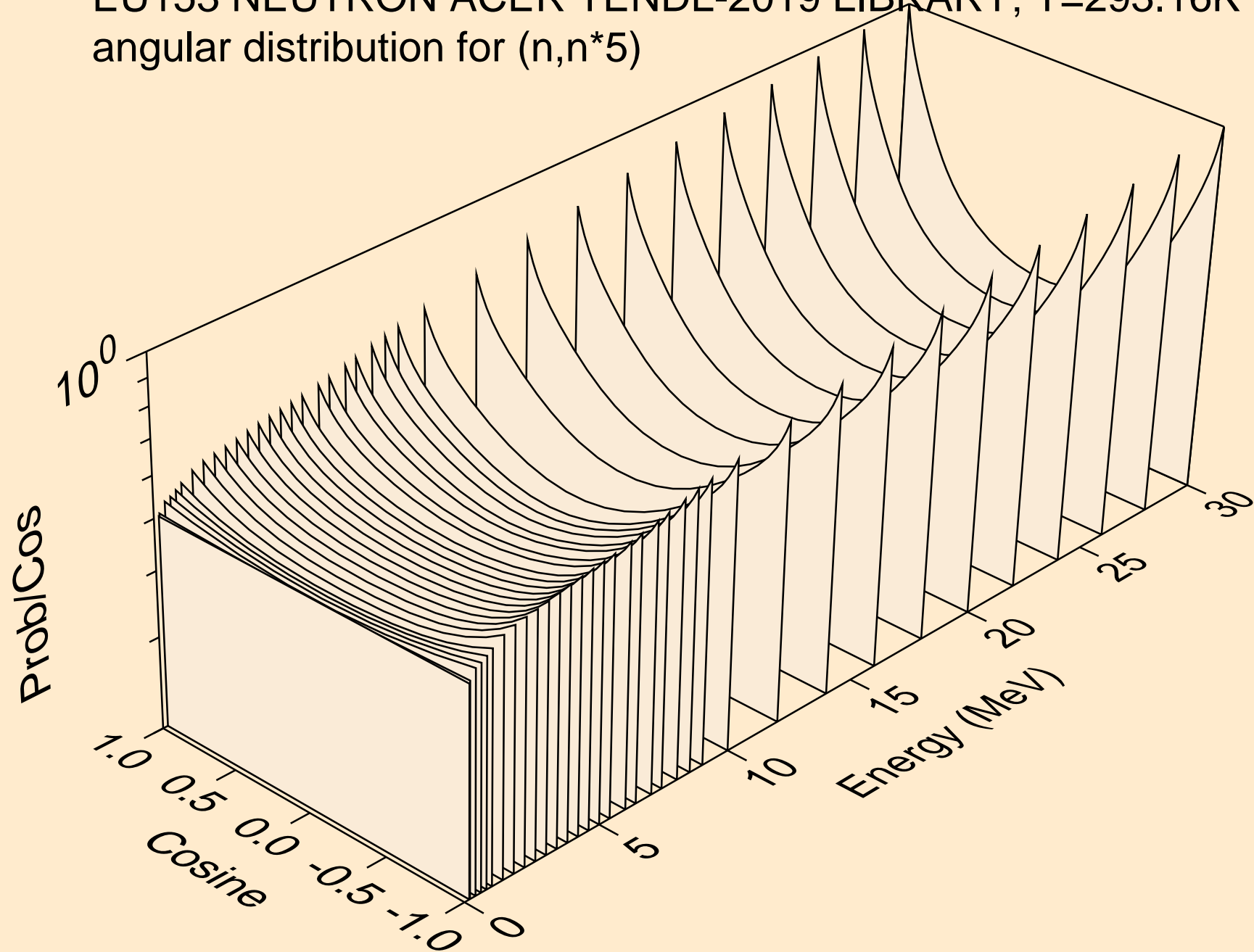
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angular distribution for (n,n*3)



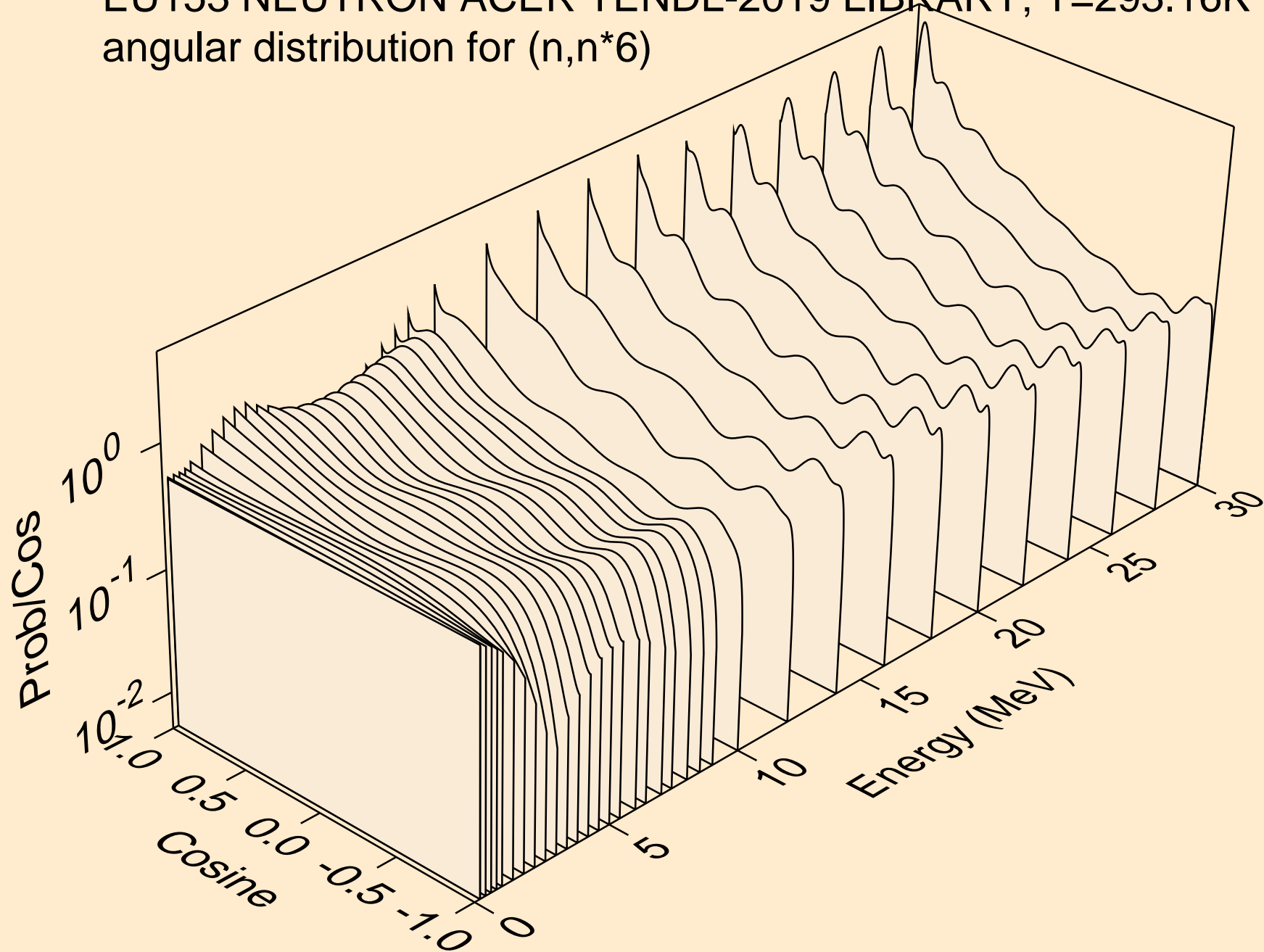
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angular distribution for (n,n*4)



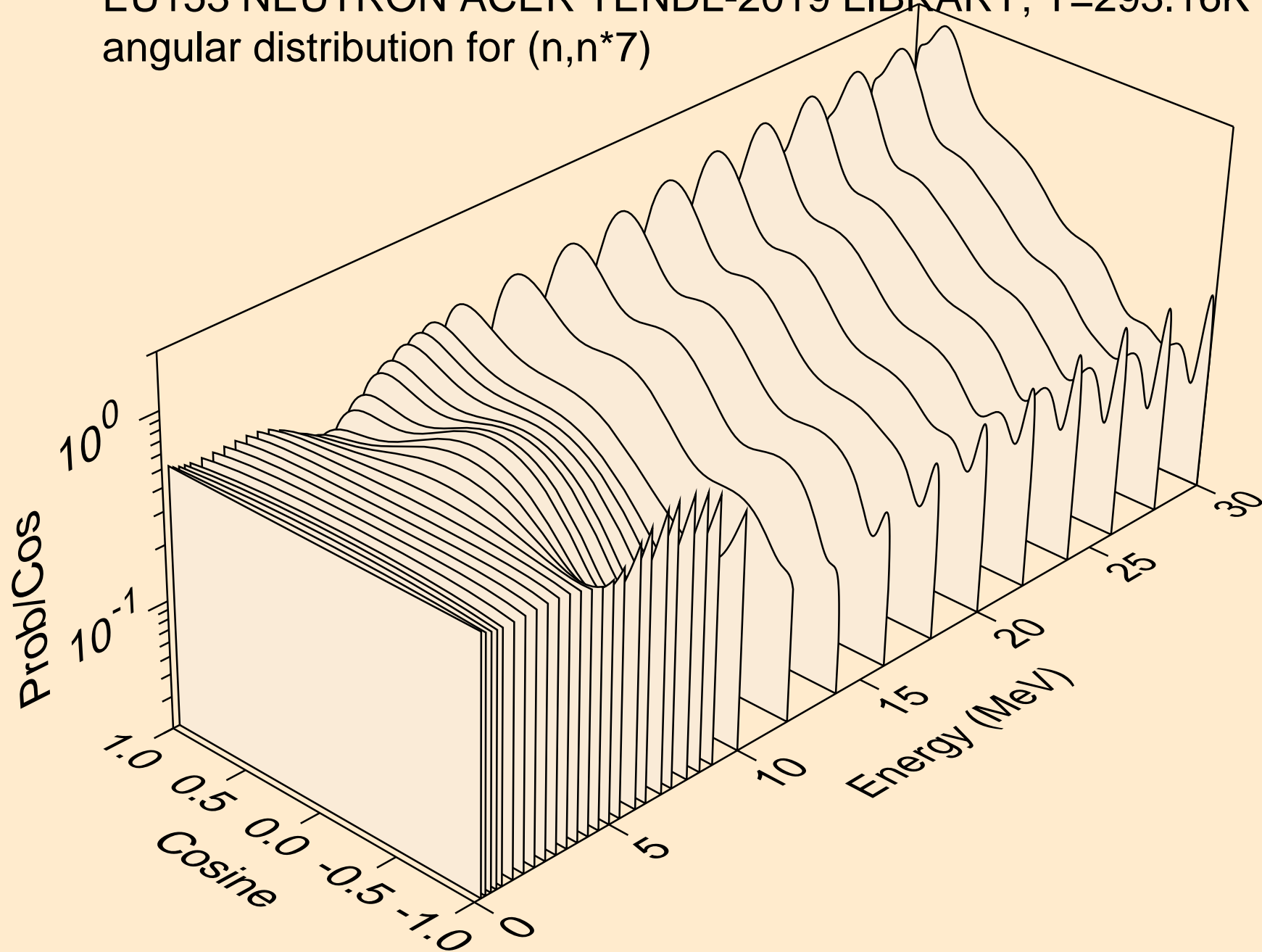
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*5)



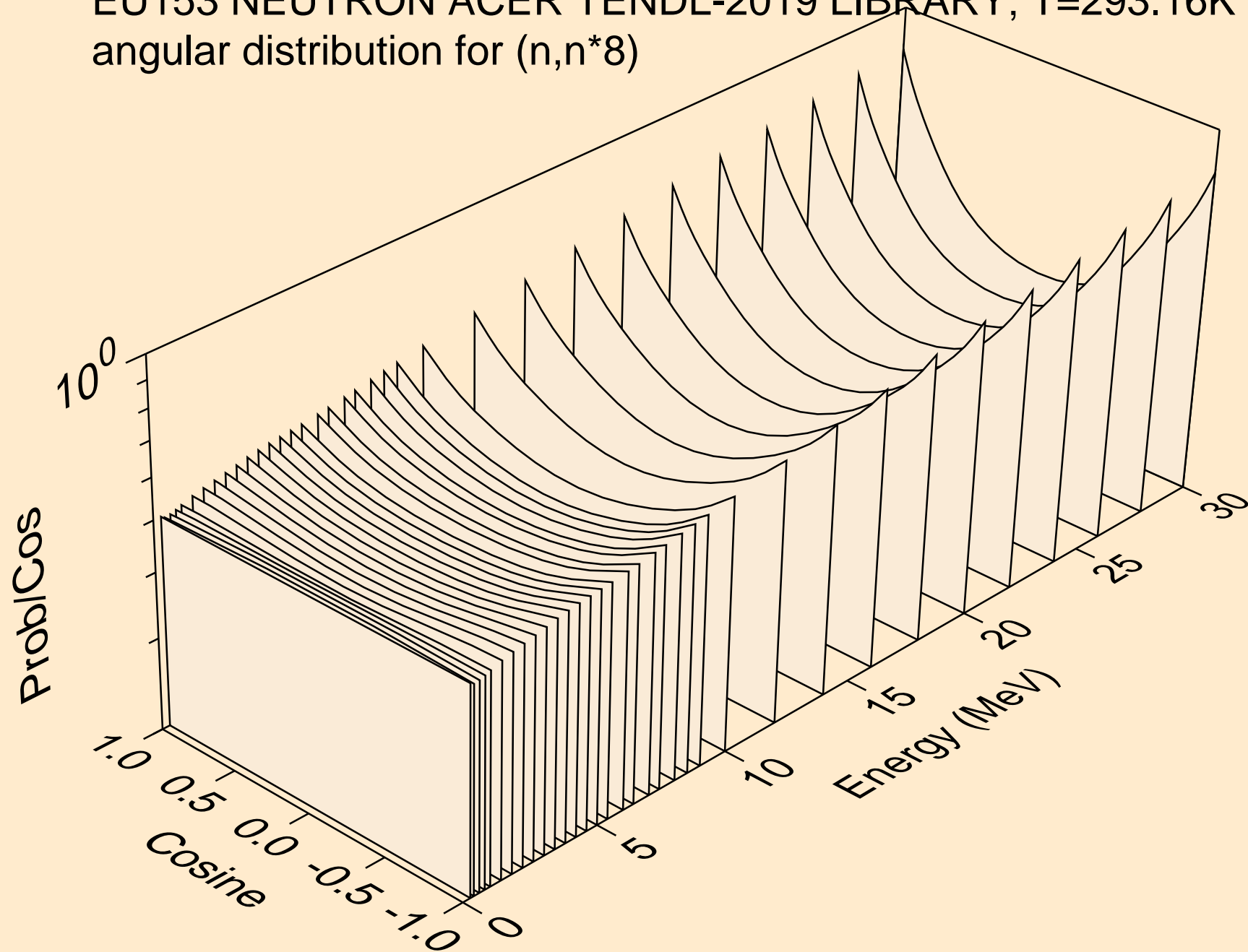
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angular distribution for (n,n*6)



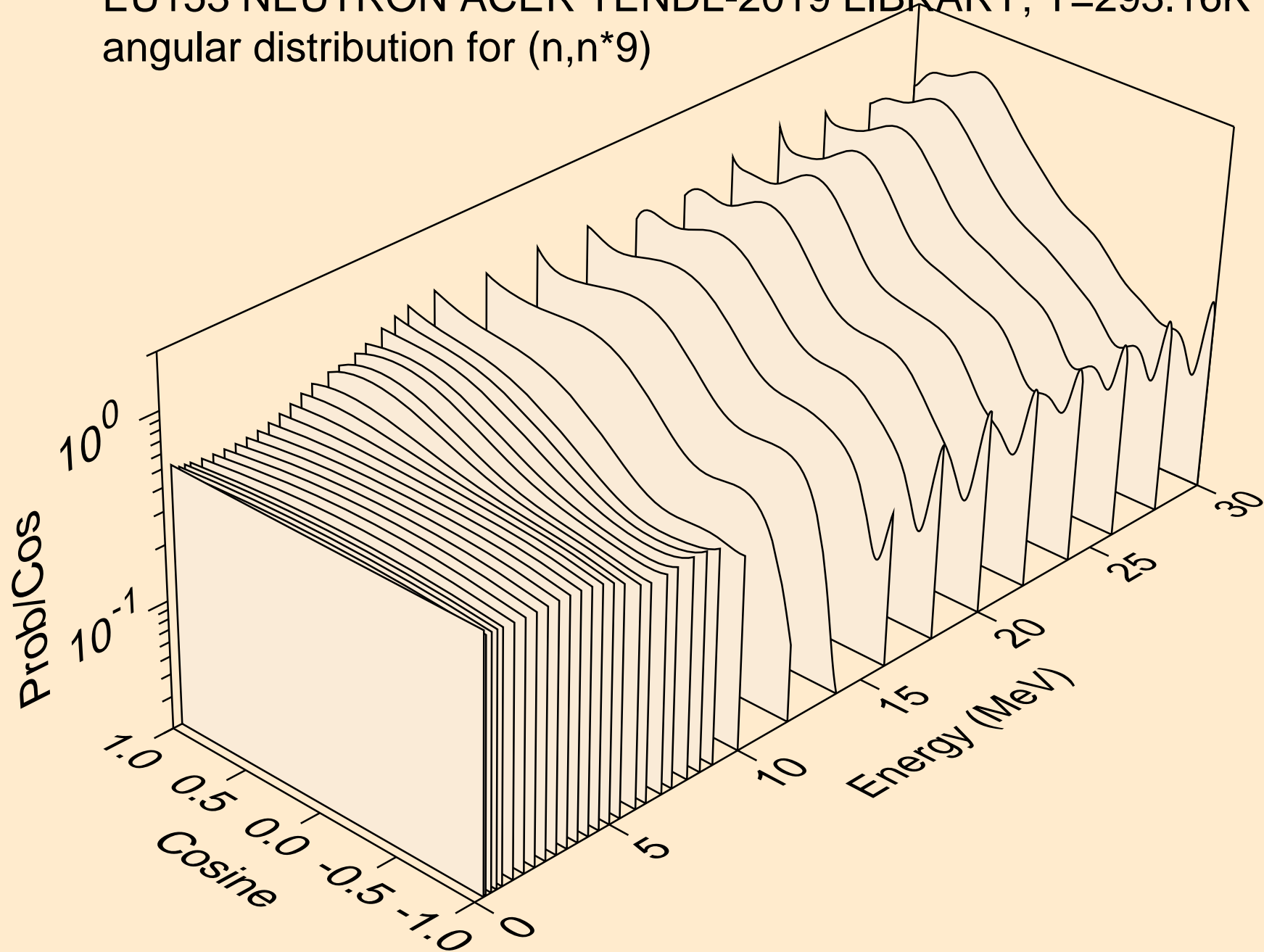
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angular distribution for (n,n*7)



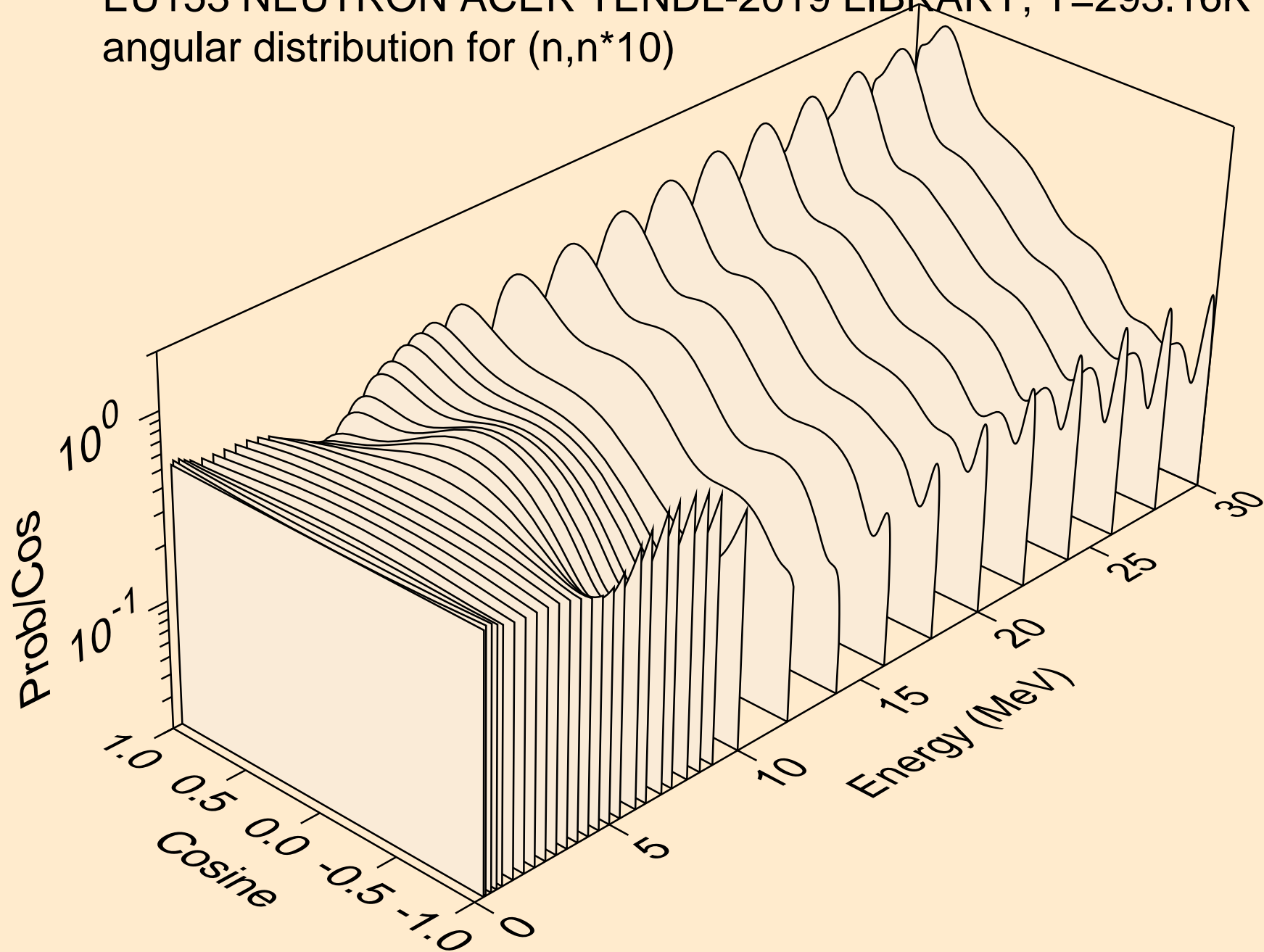
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*8)



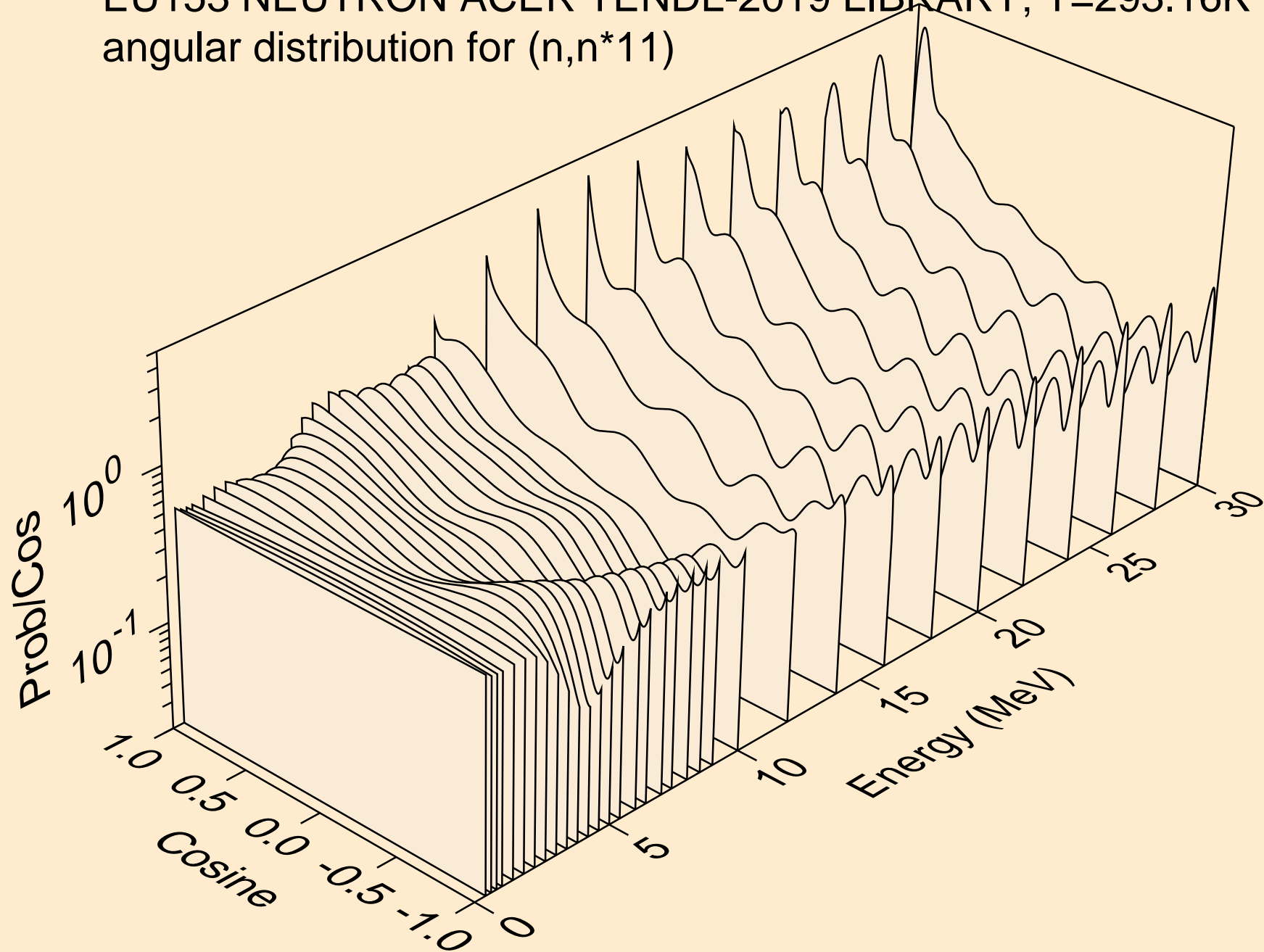
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angular distribution for (n,n*9)



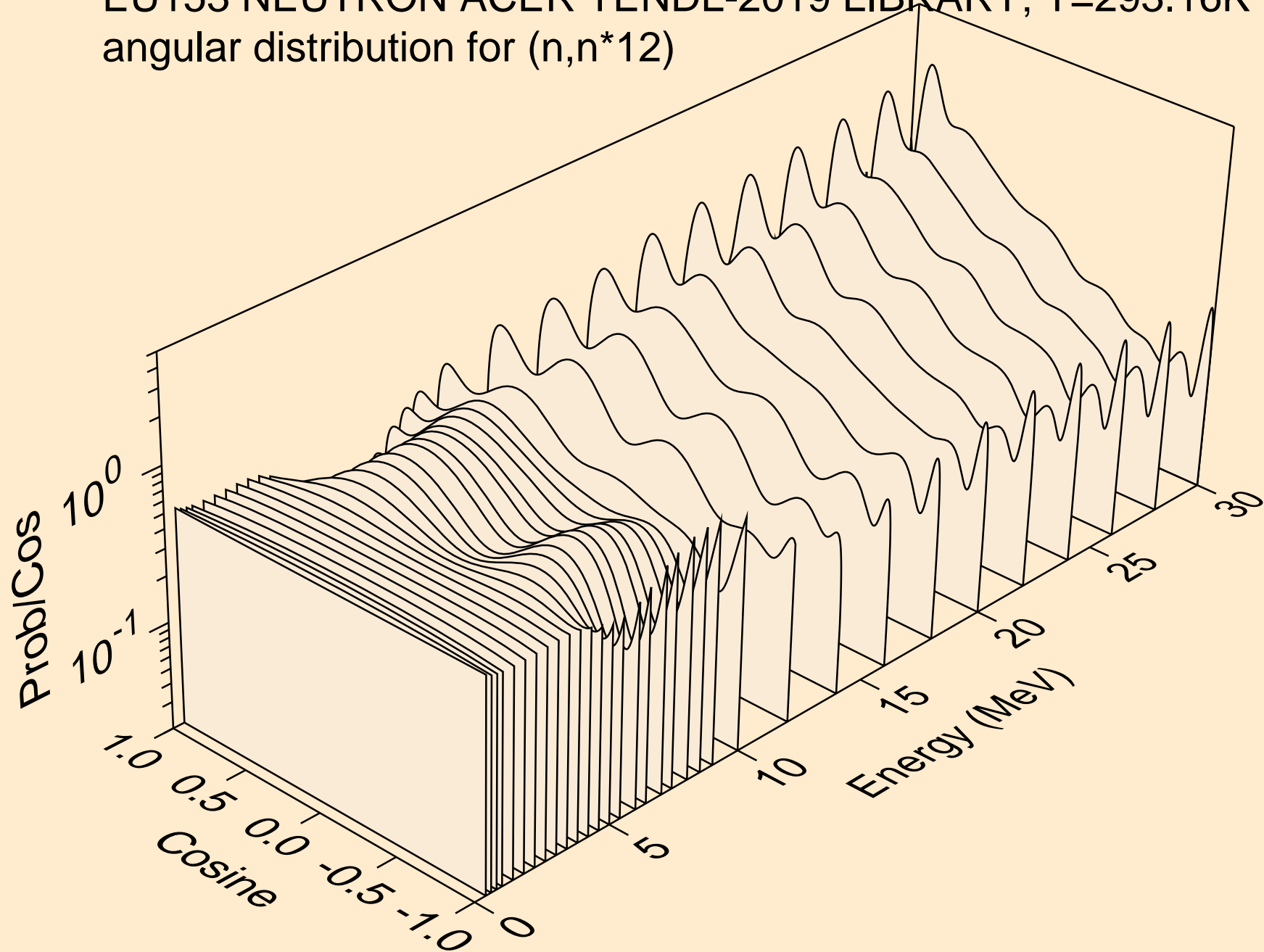
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*10)



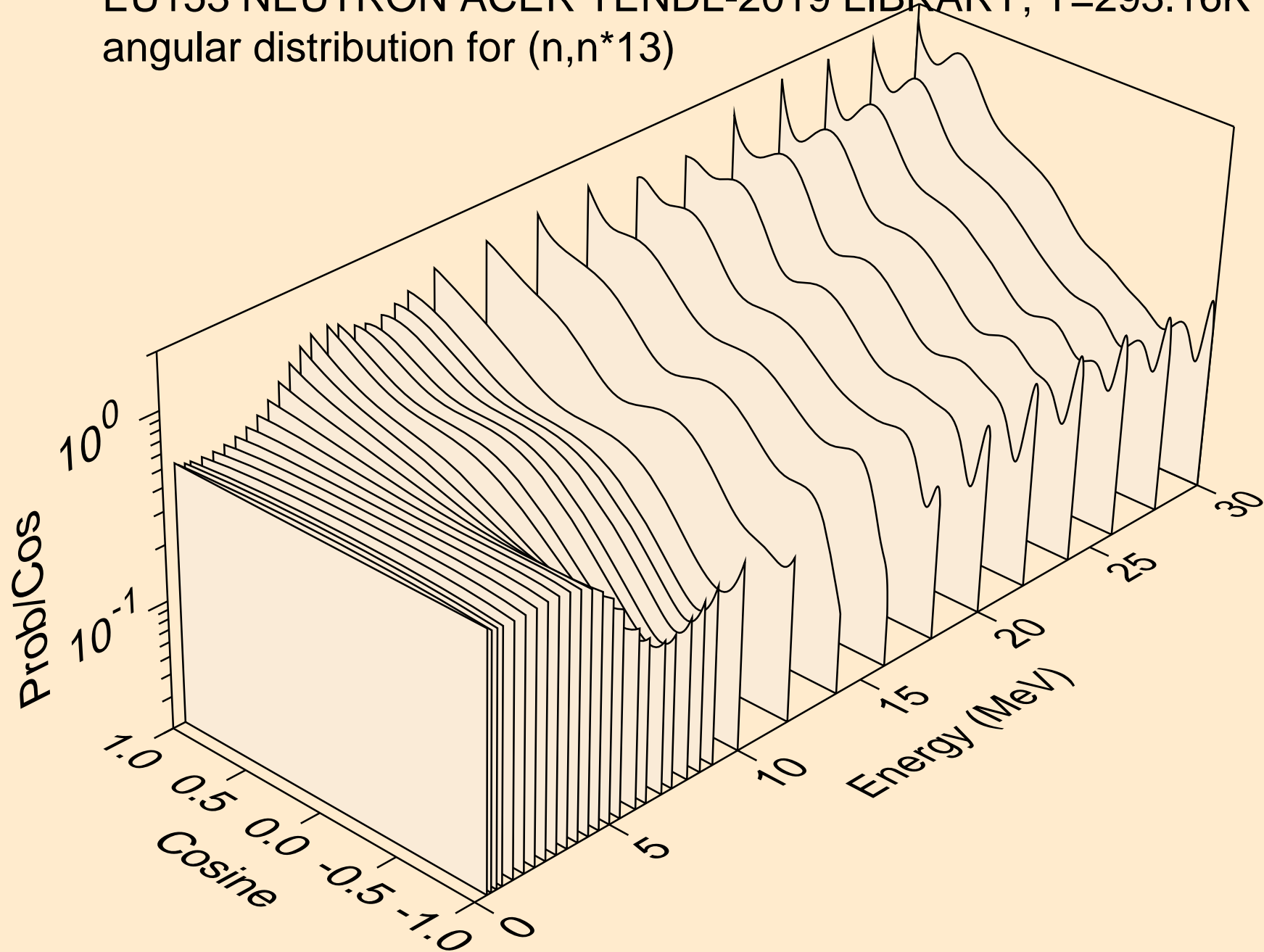
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*11)



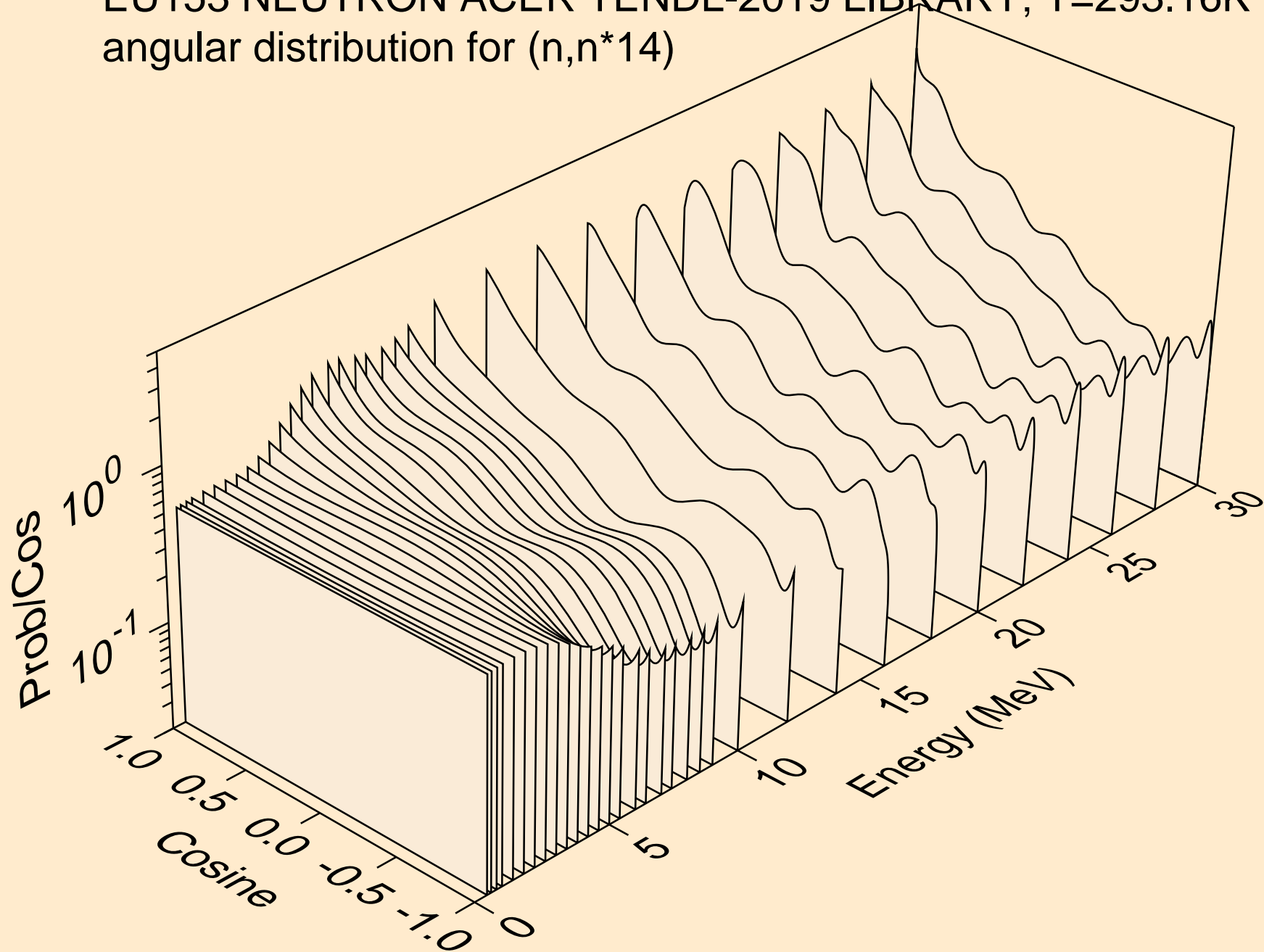
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*12)



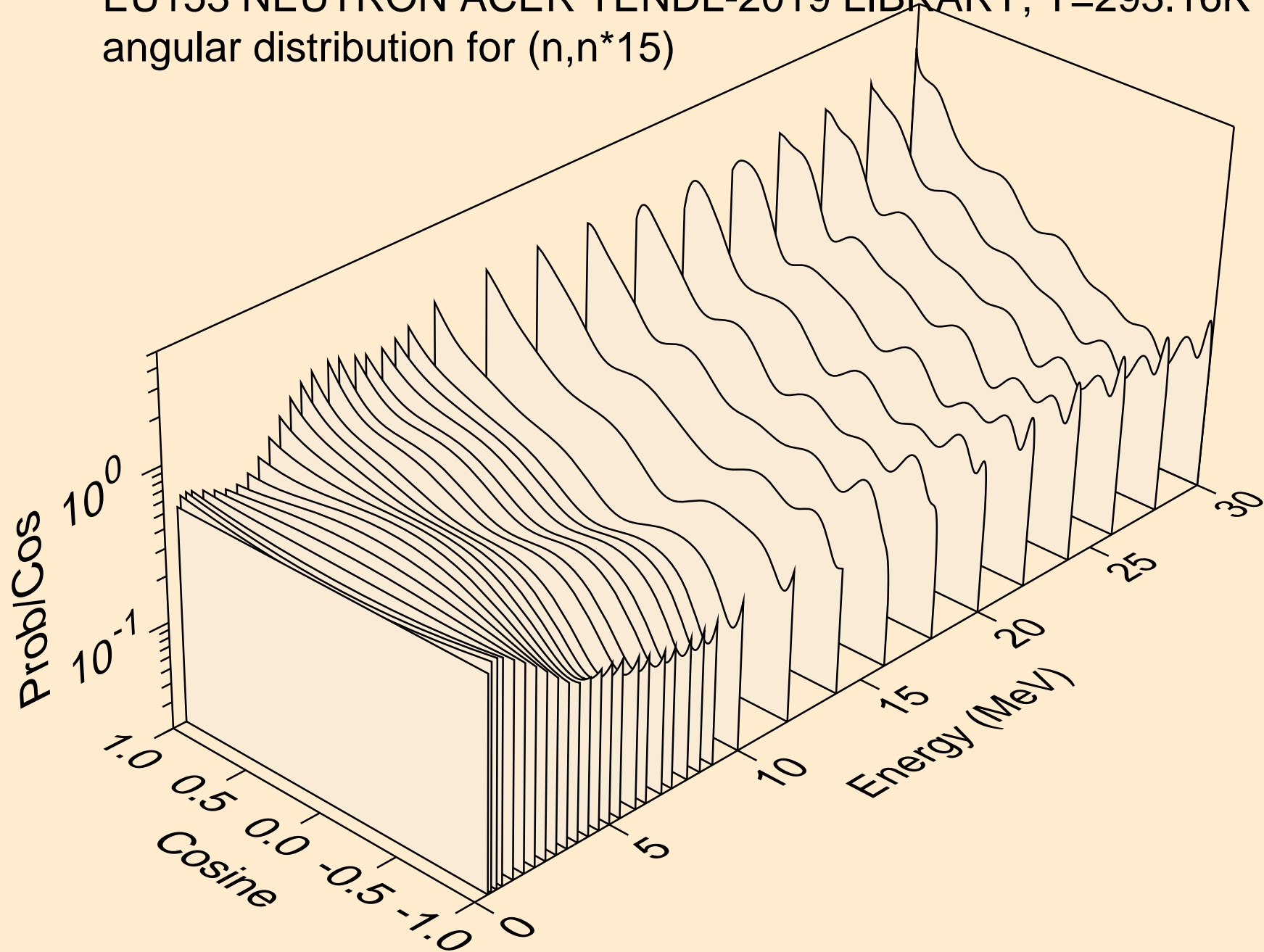
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angular distribution for (n,n*13)



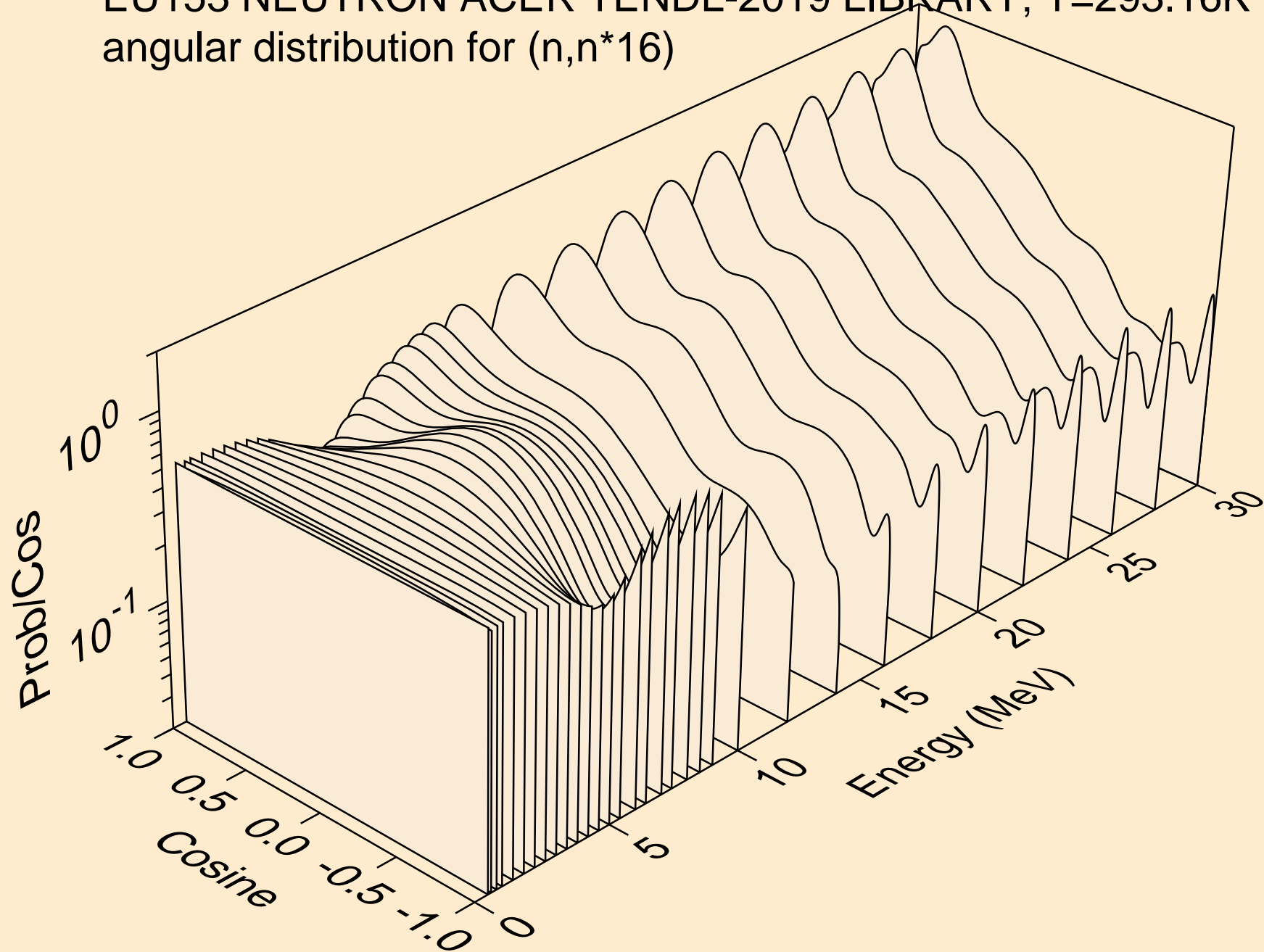
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*14)



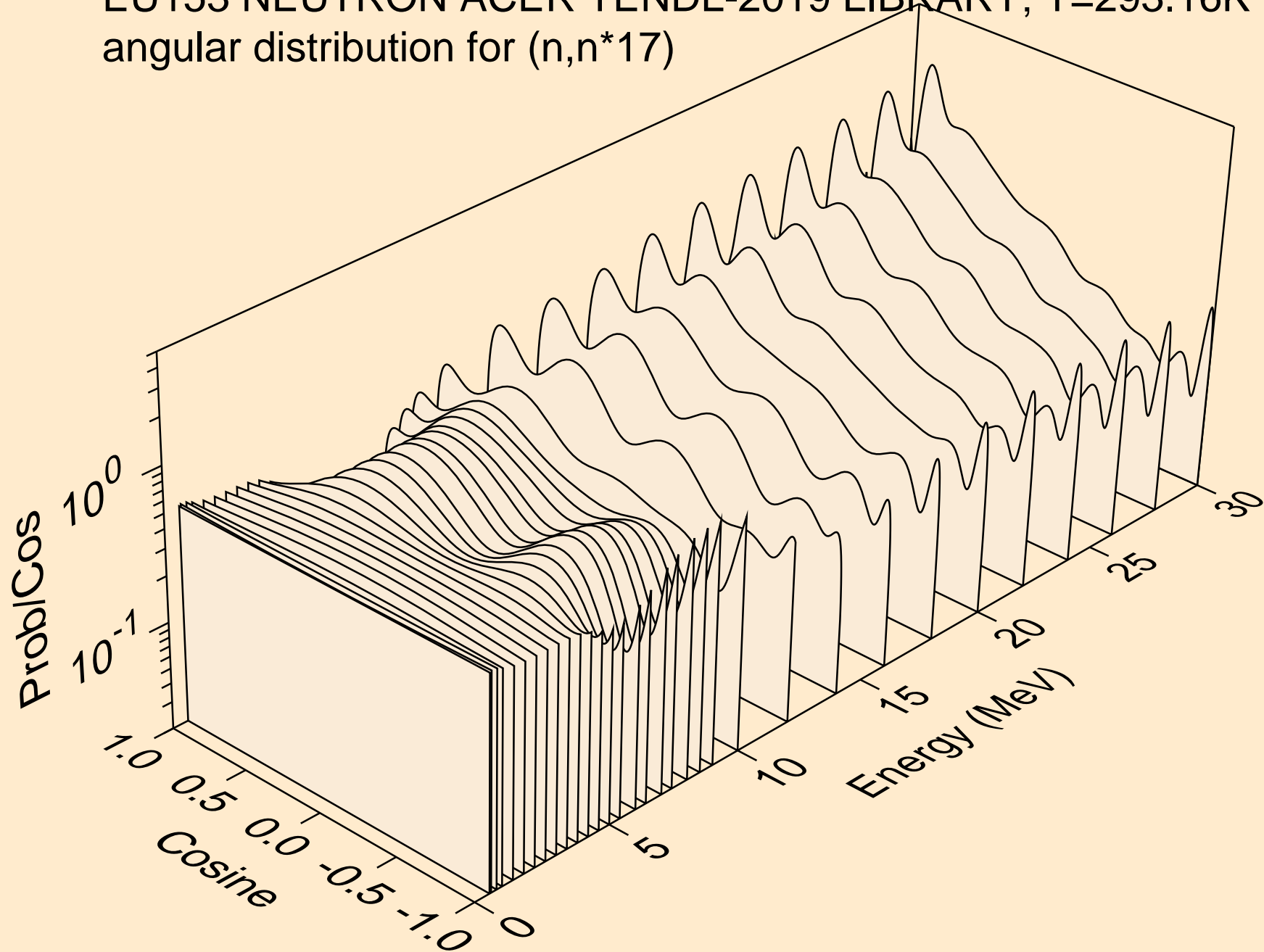
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*15)



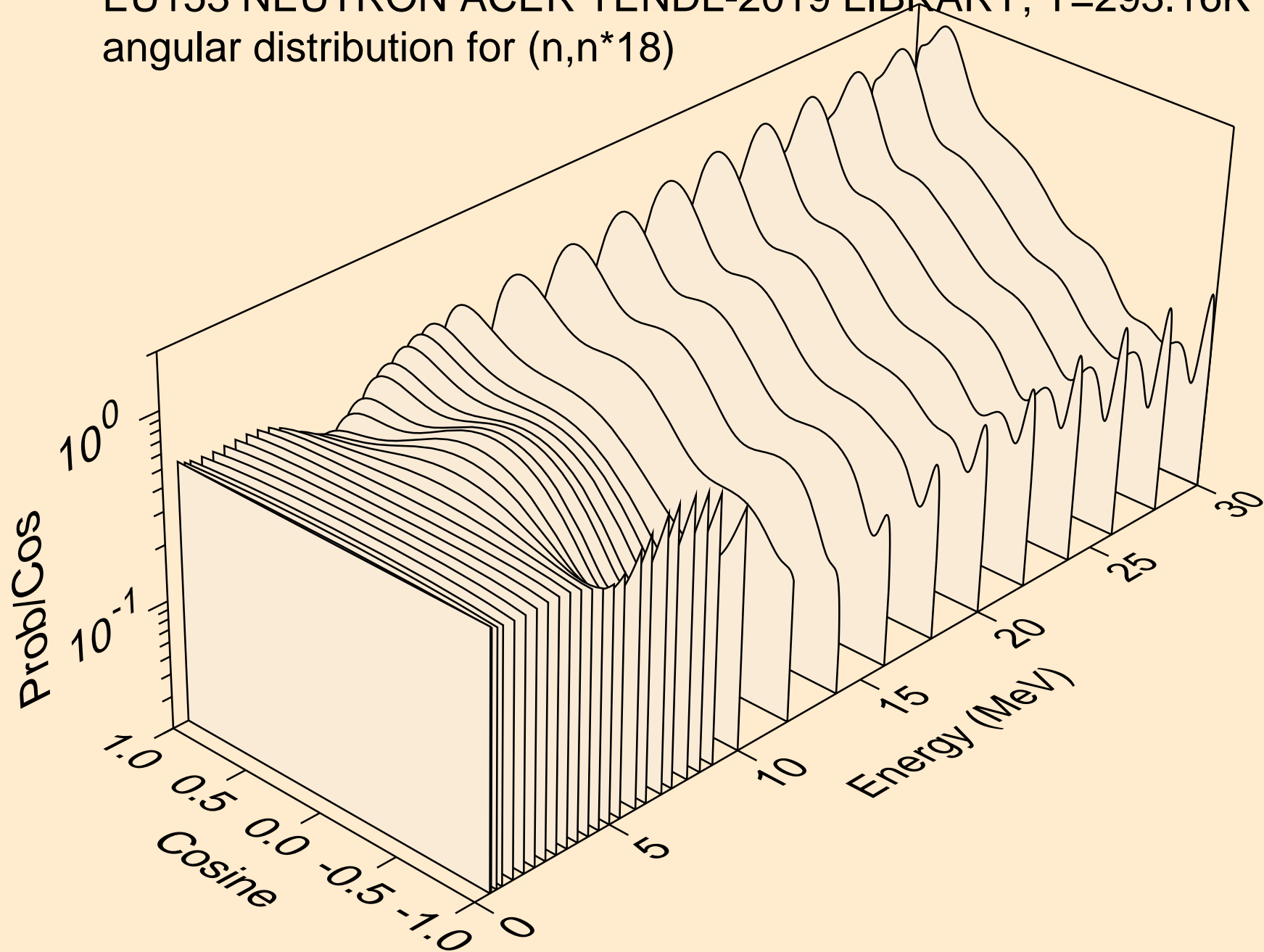
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*16)



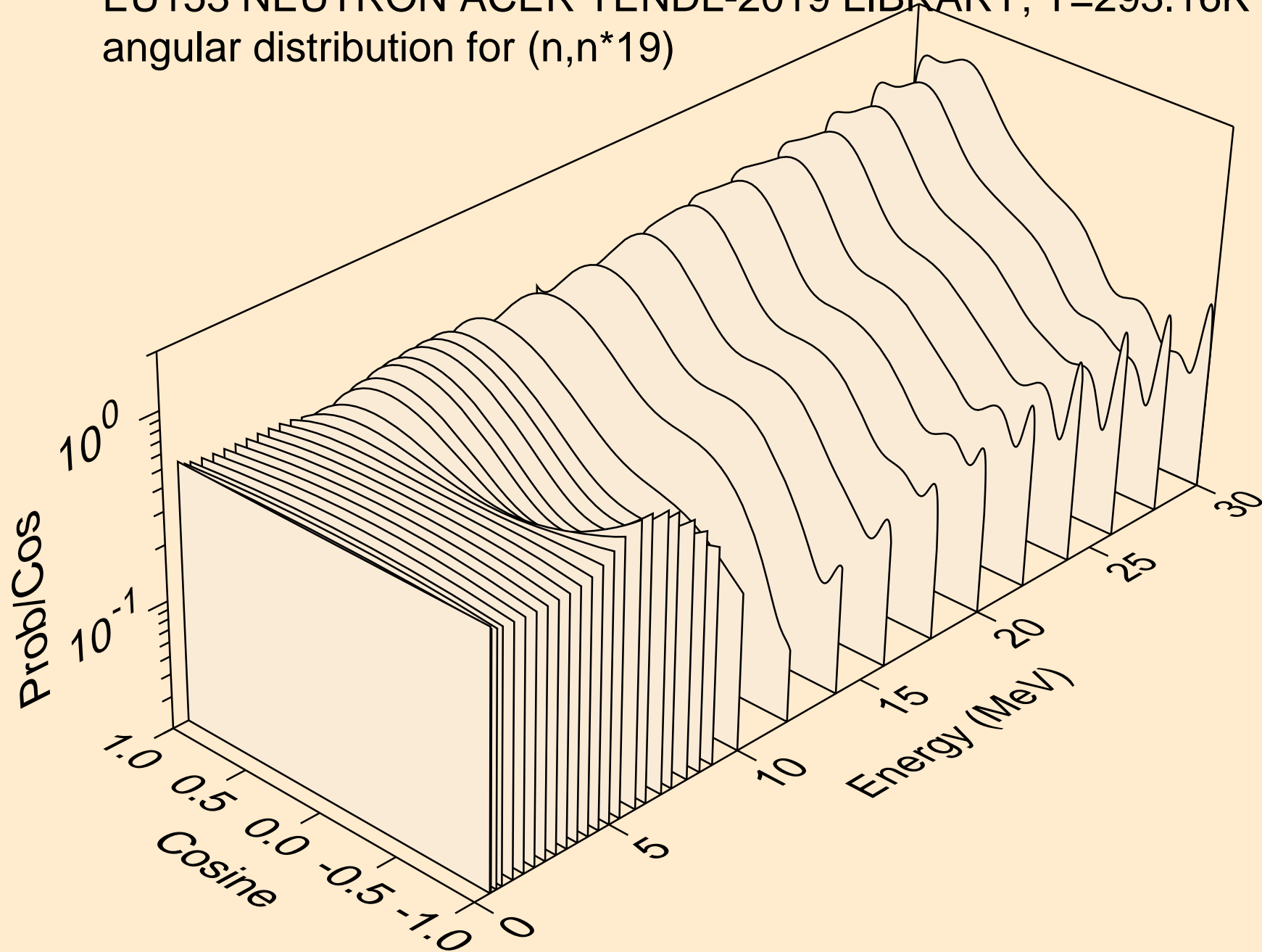
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angular distribution for (n,n*17)



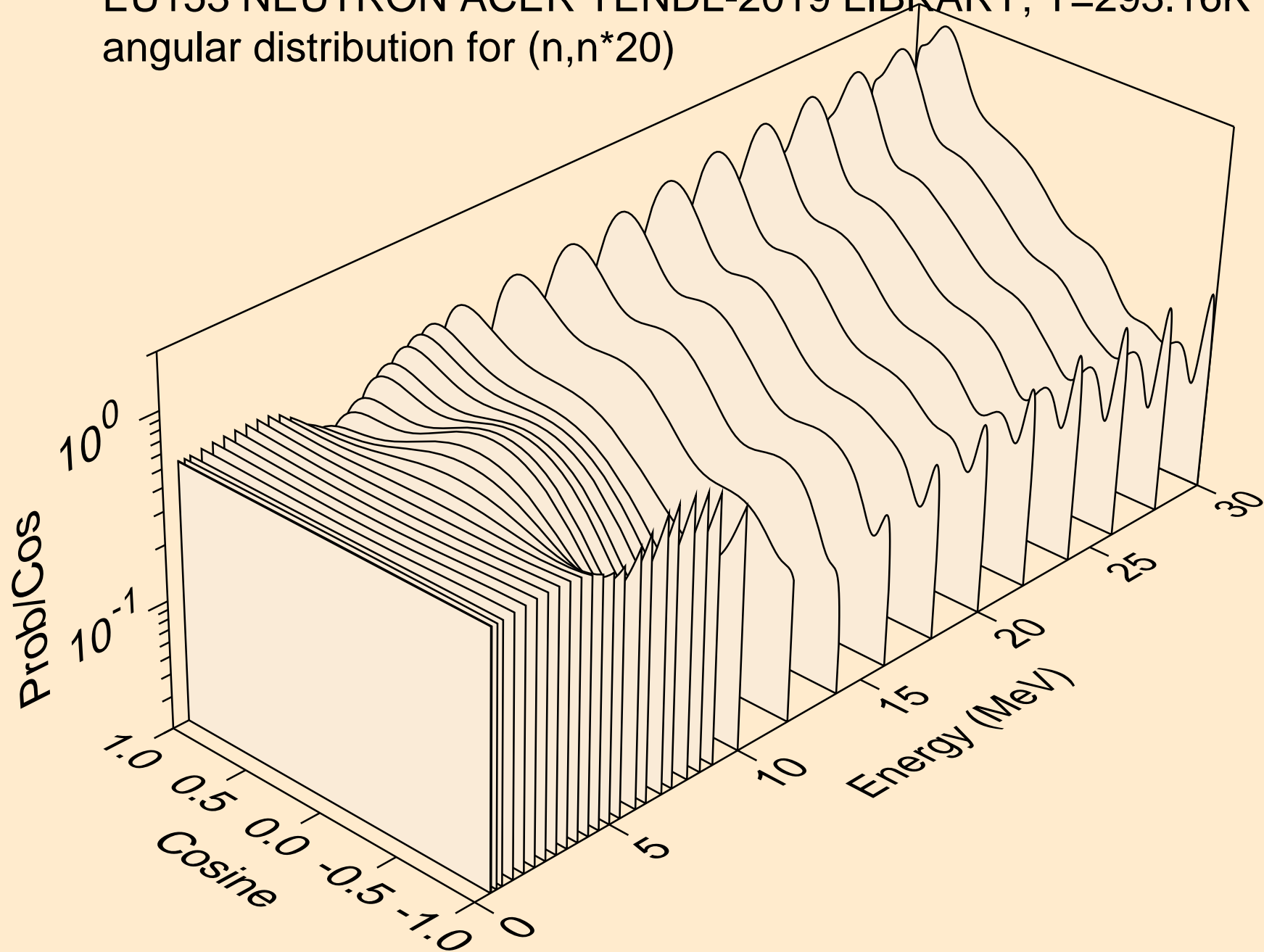
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angular distribution for (n,n*18)



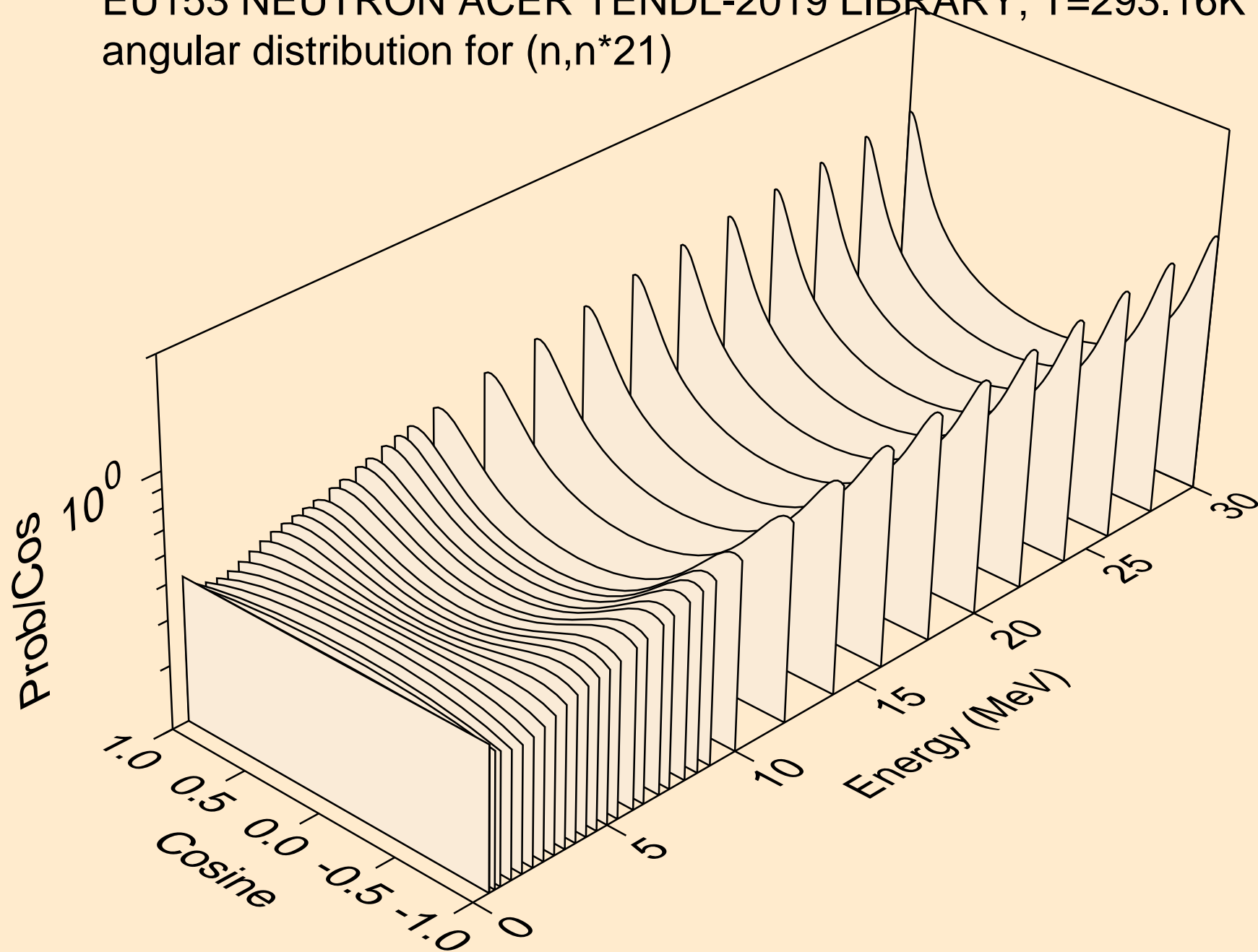
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*19)



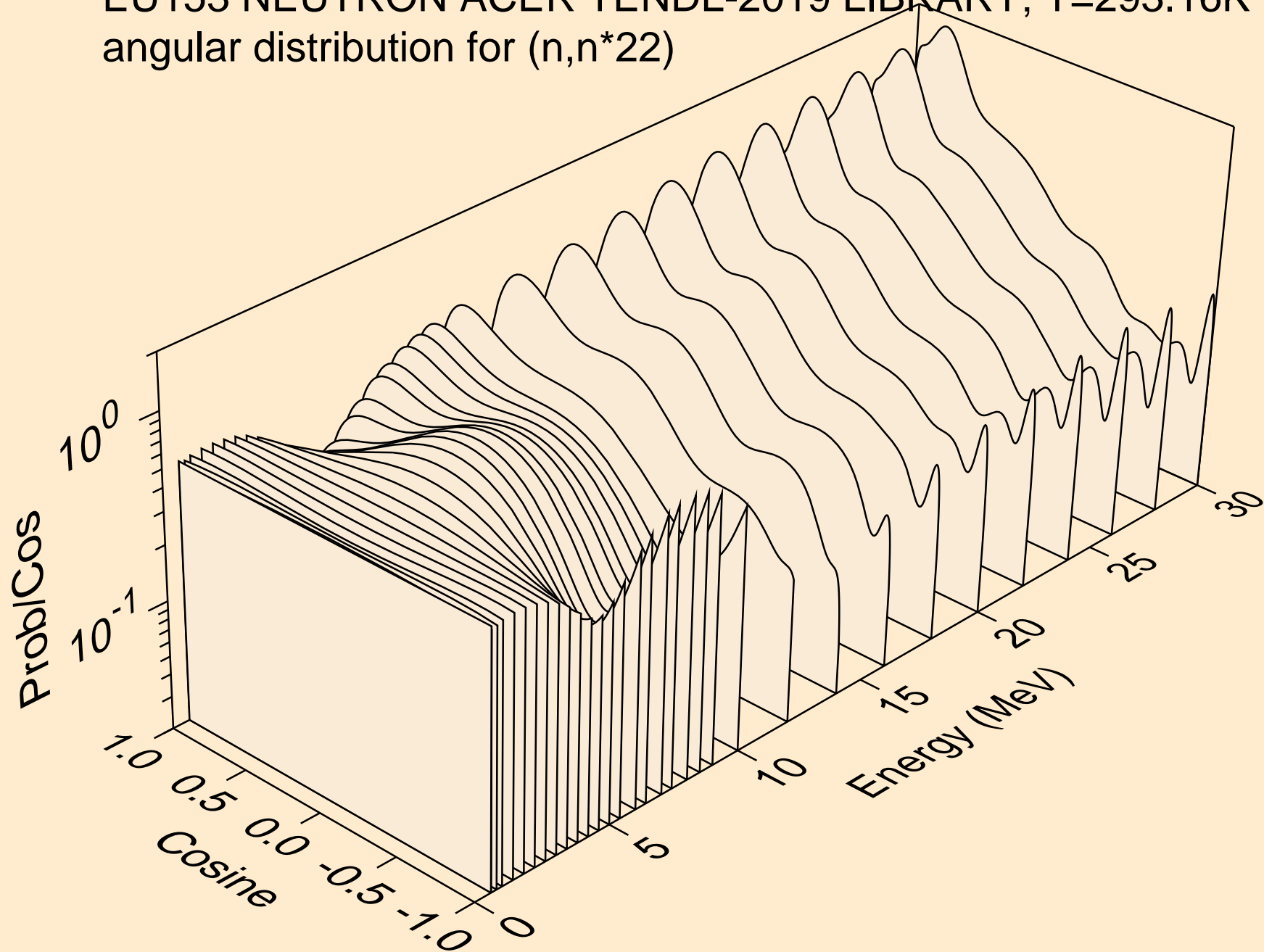
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*20)



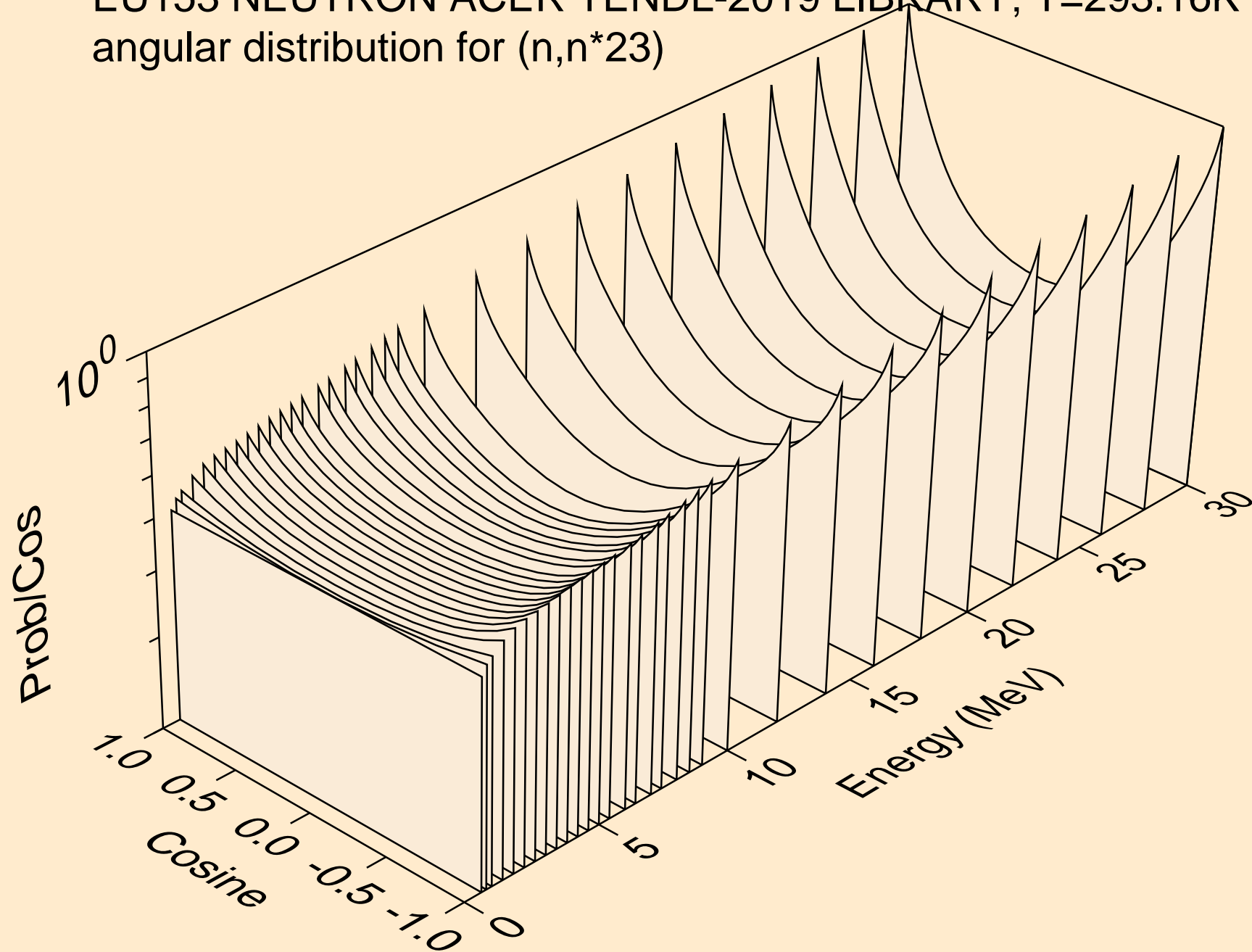
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*21)



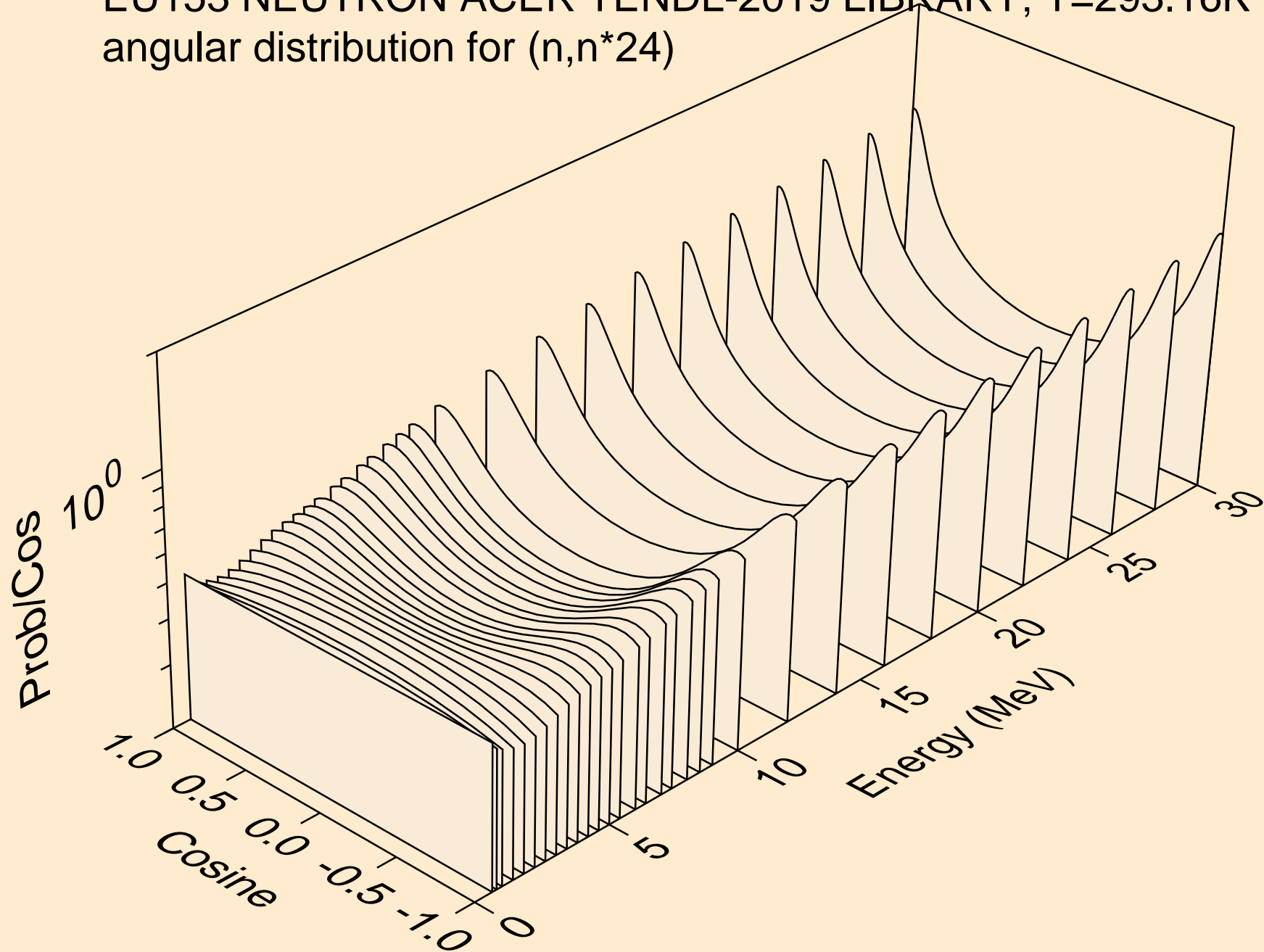
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angular distribution for (n,n*22)



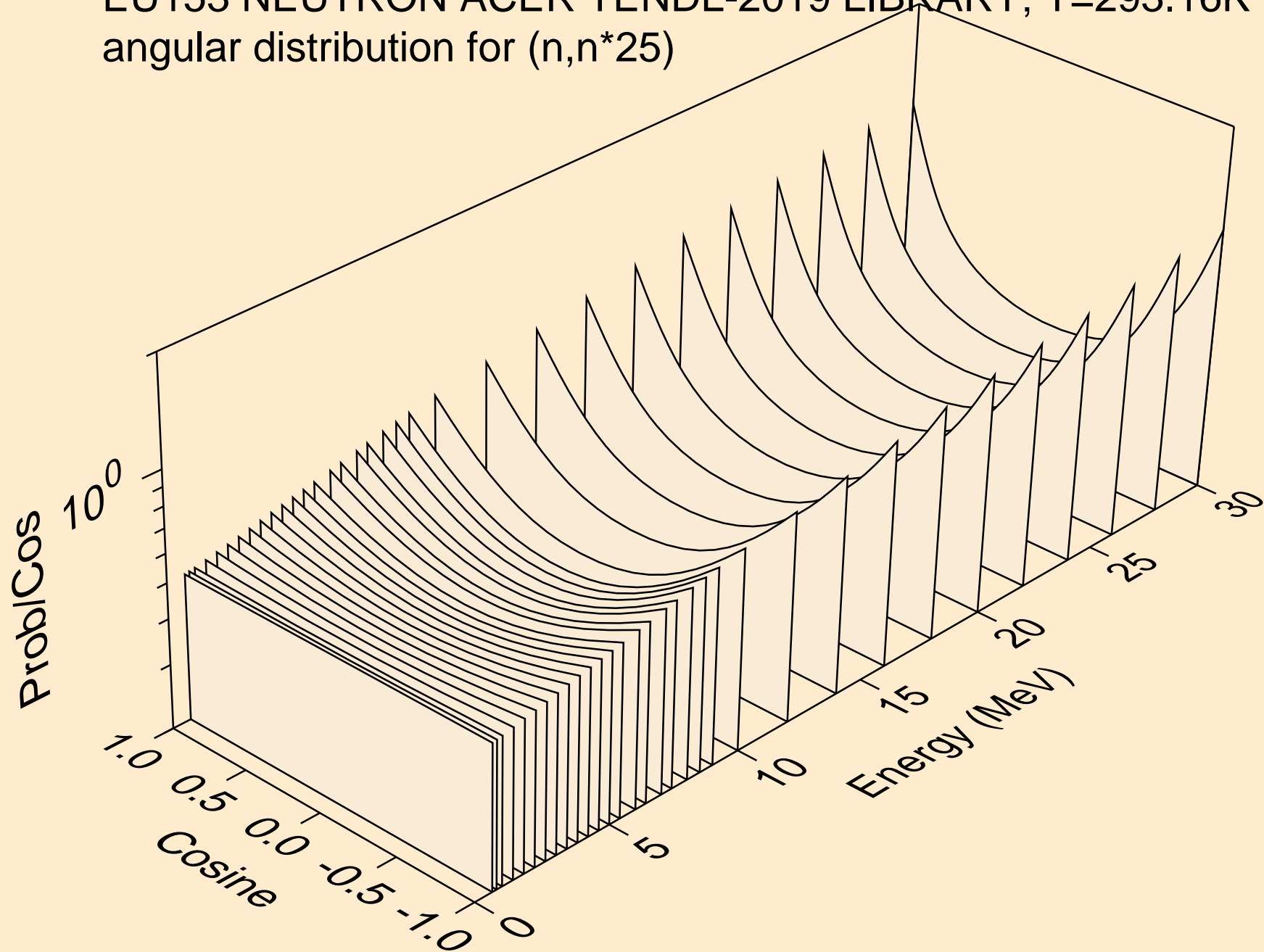
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*23)



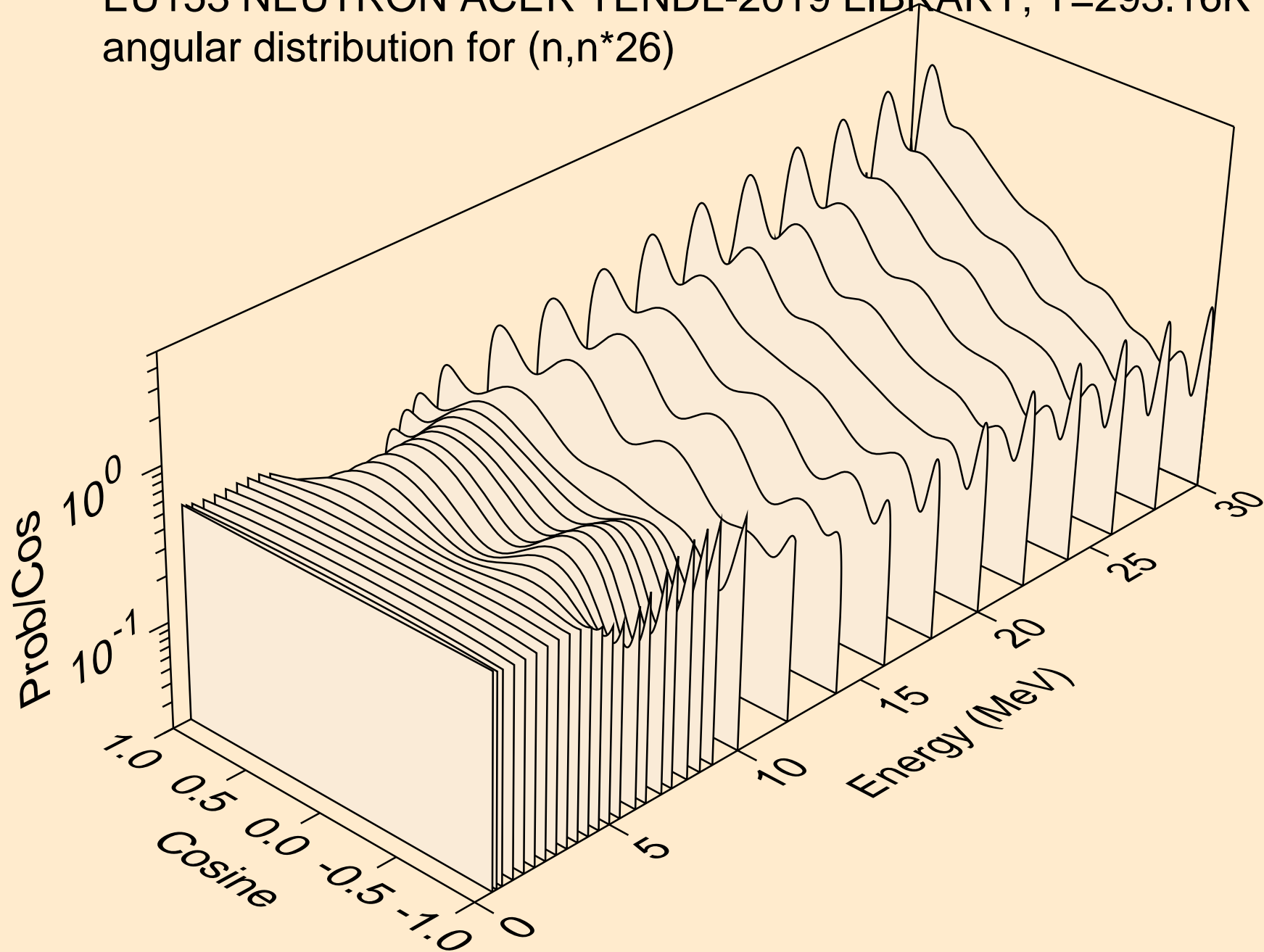
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*24)



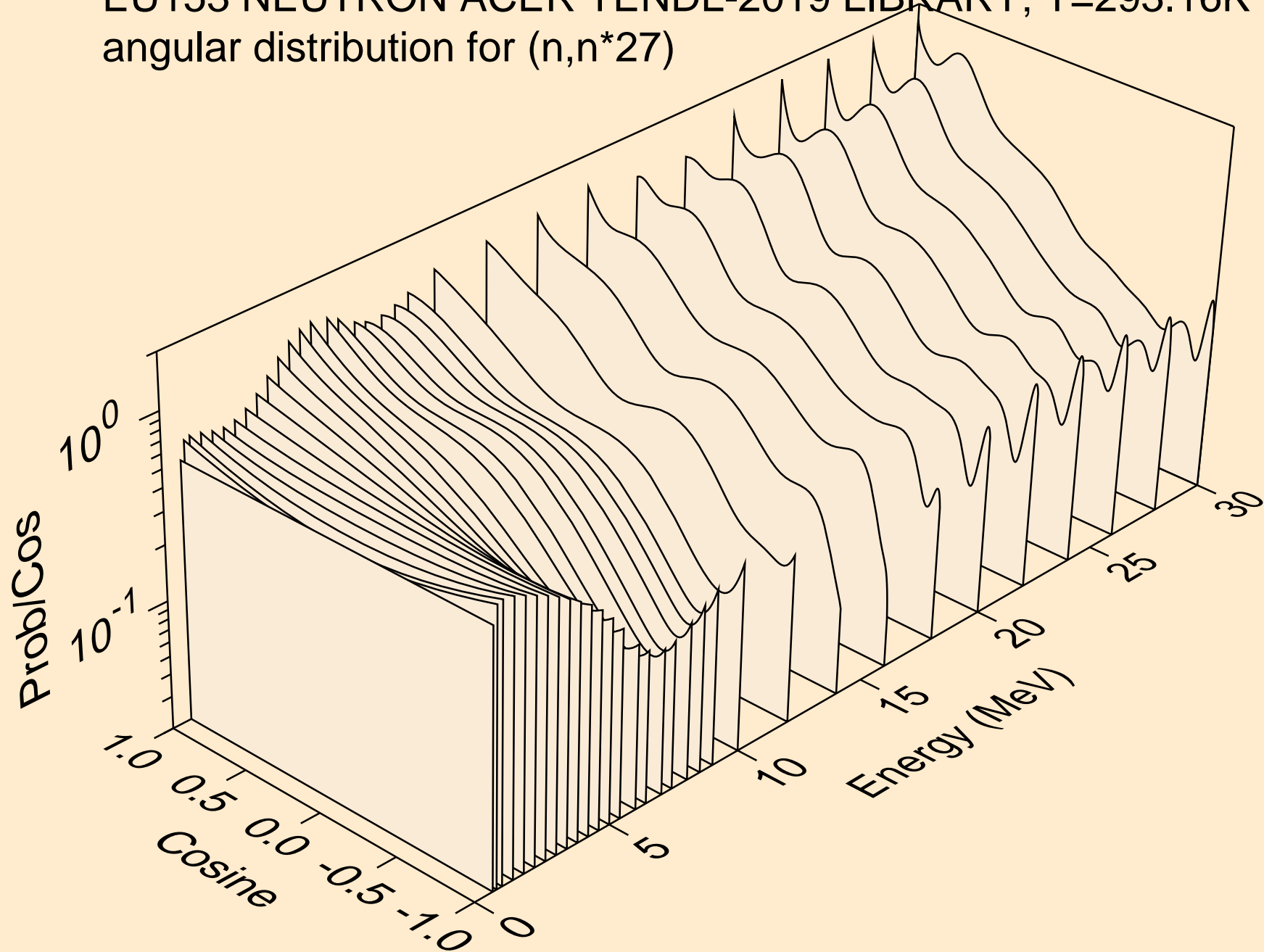
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*25)



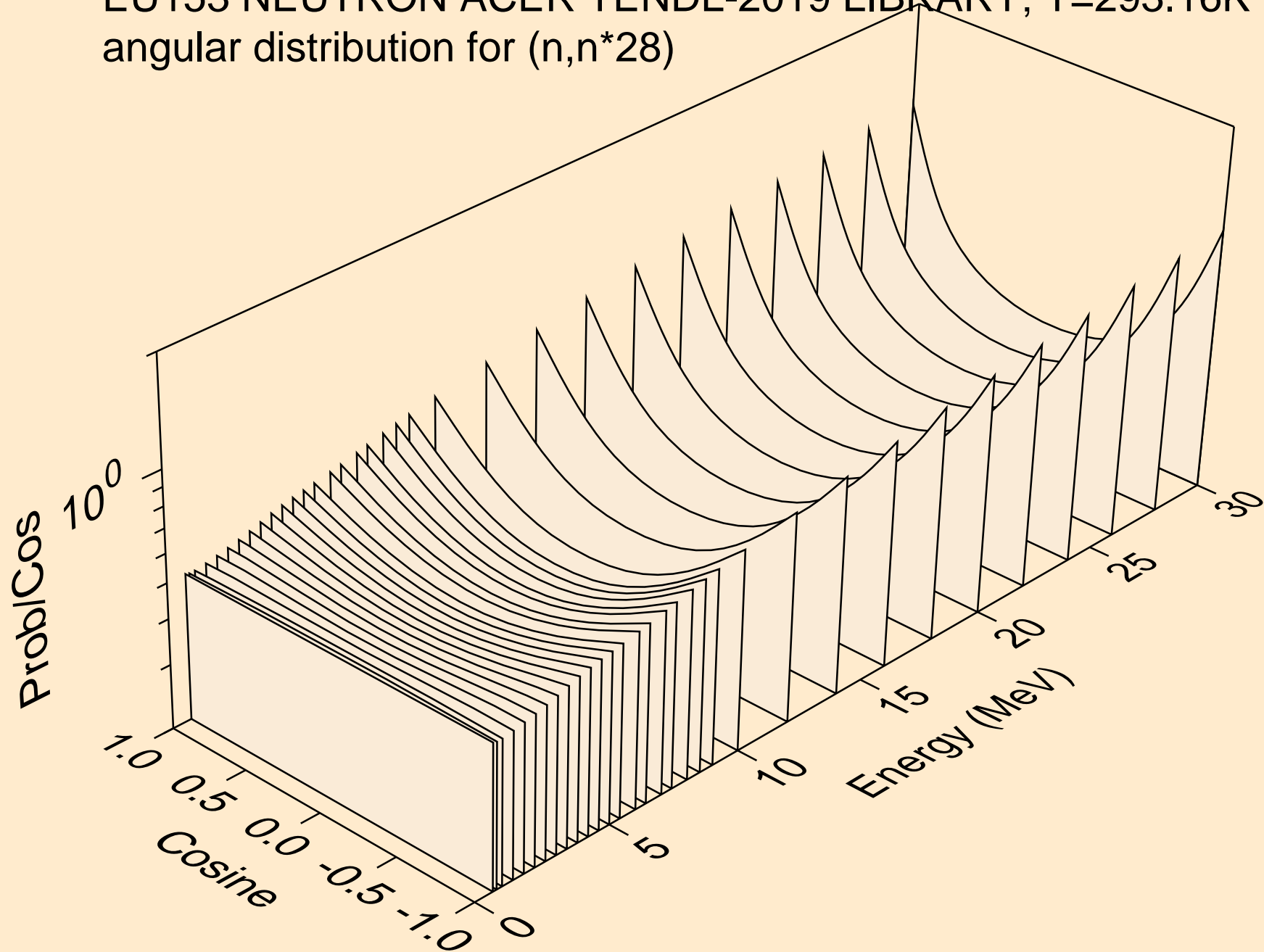
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*26)



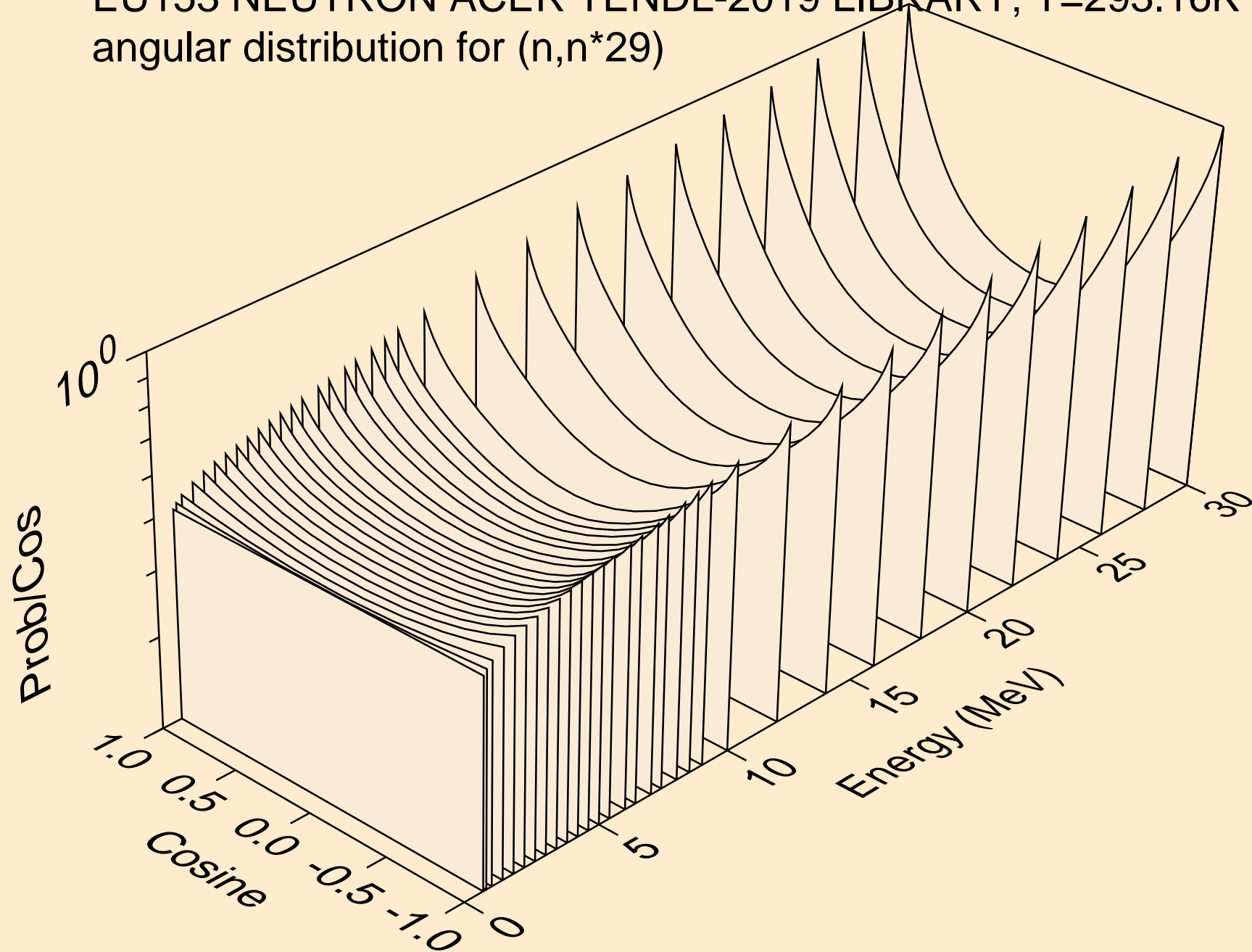
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*27)



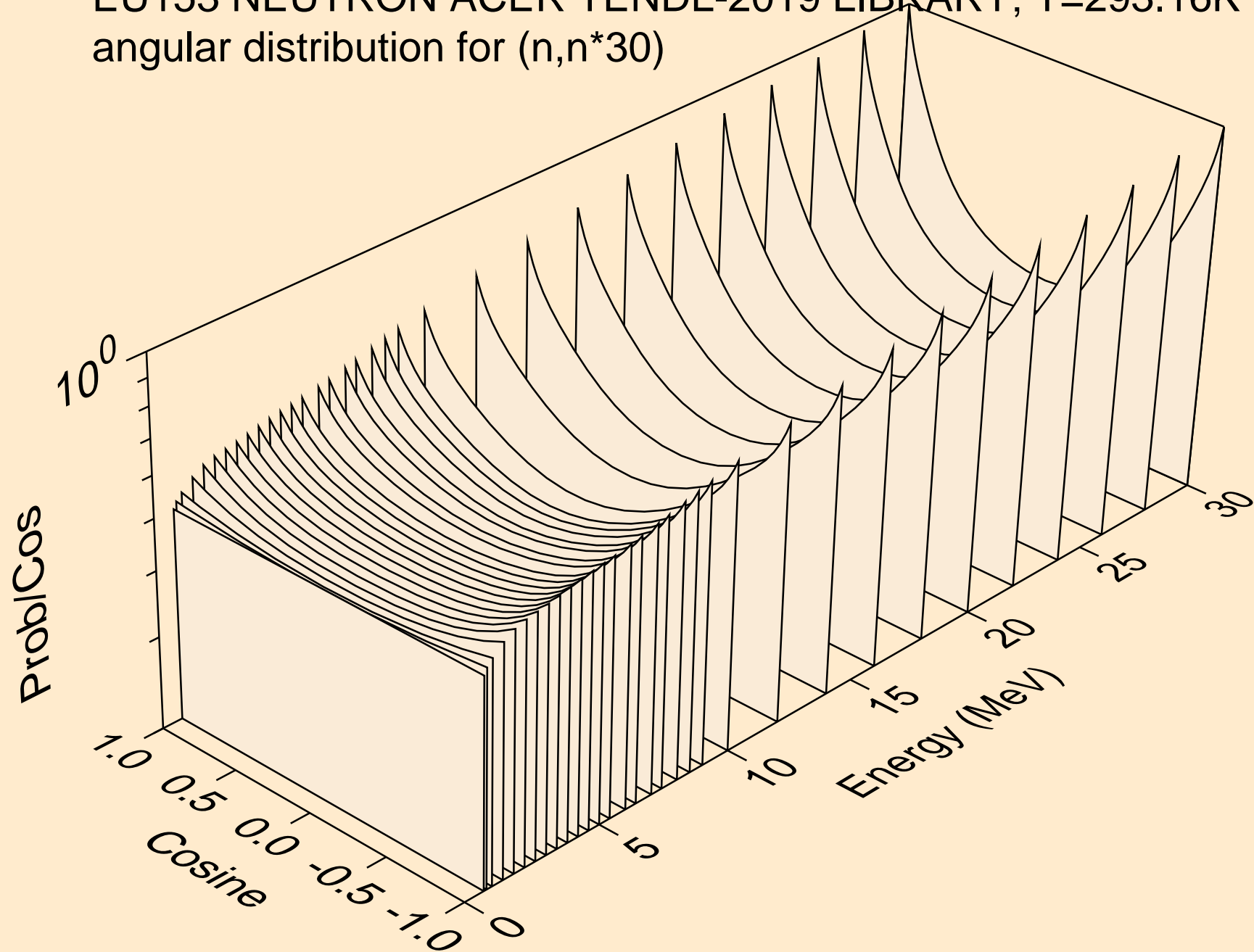
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*28)



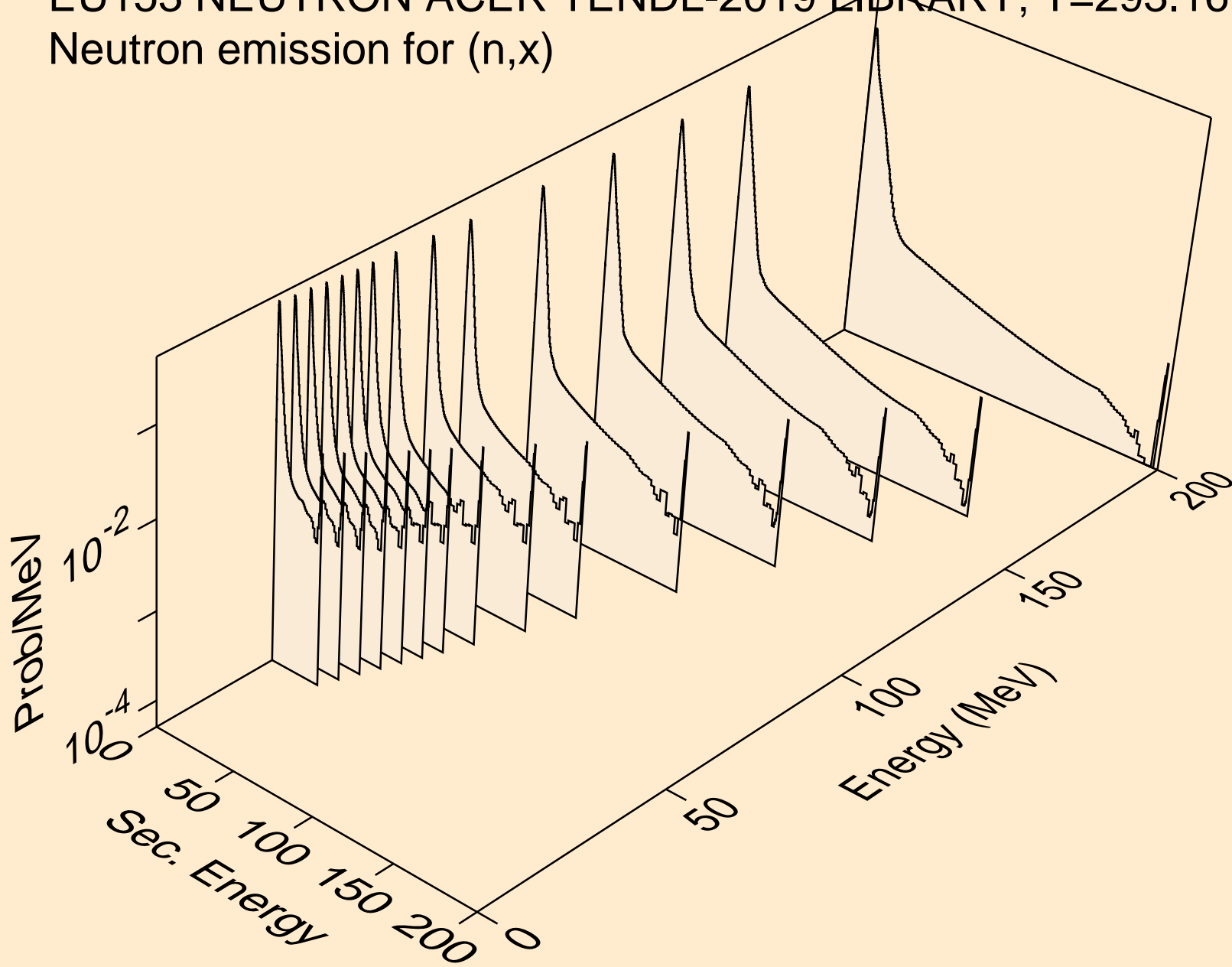
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*29)



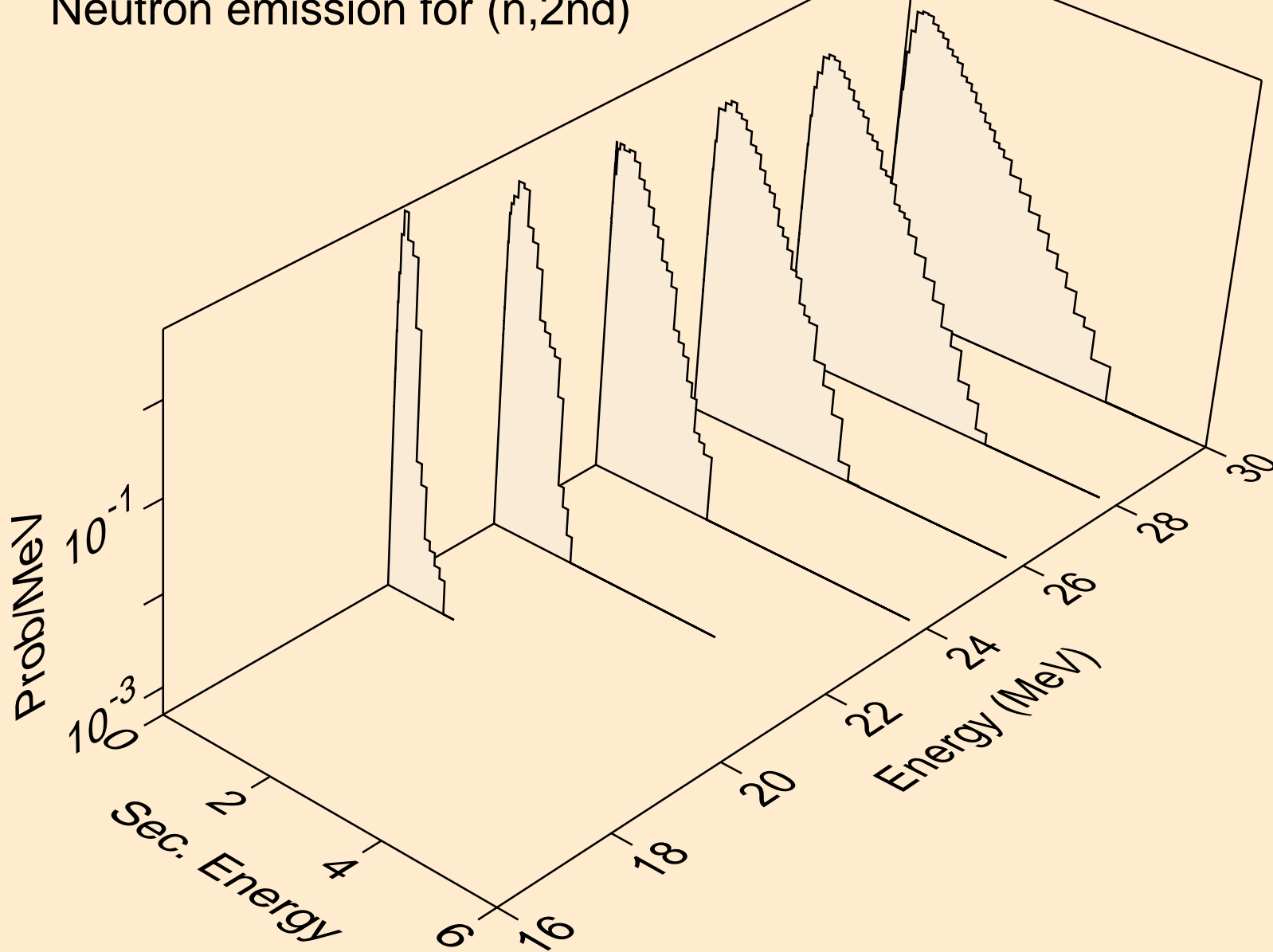
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
angular distribution for (n,n*30)



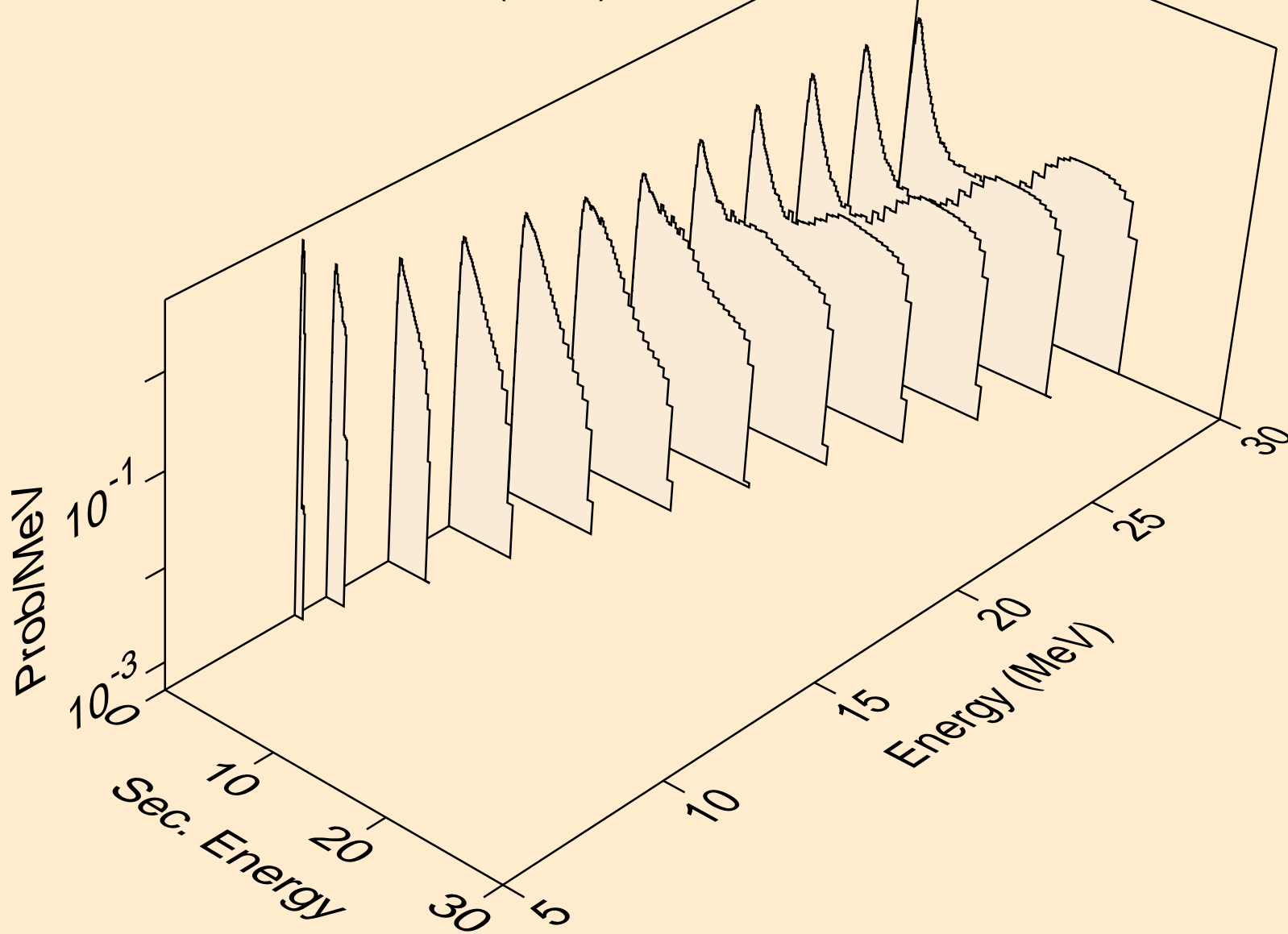
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,x)



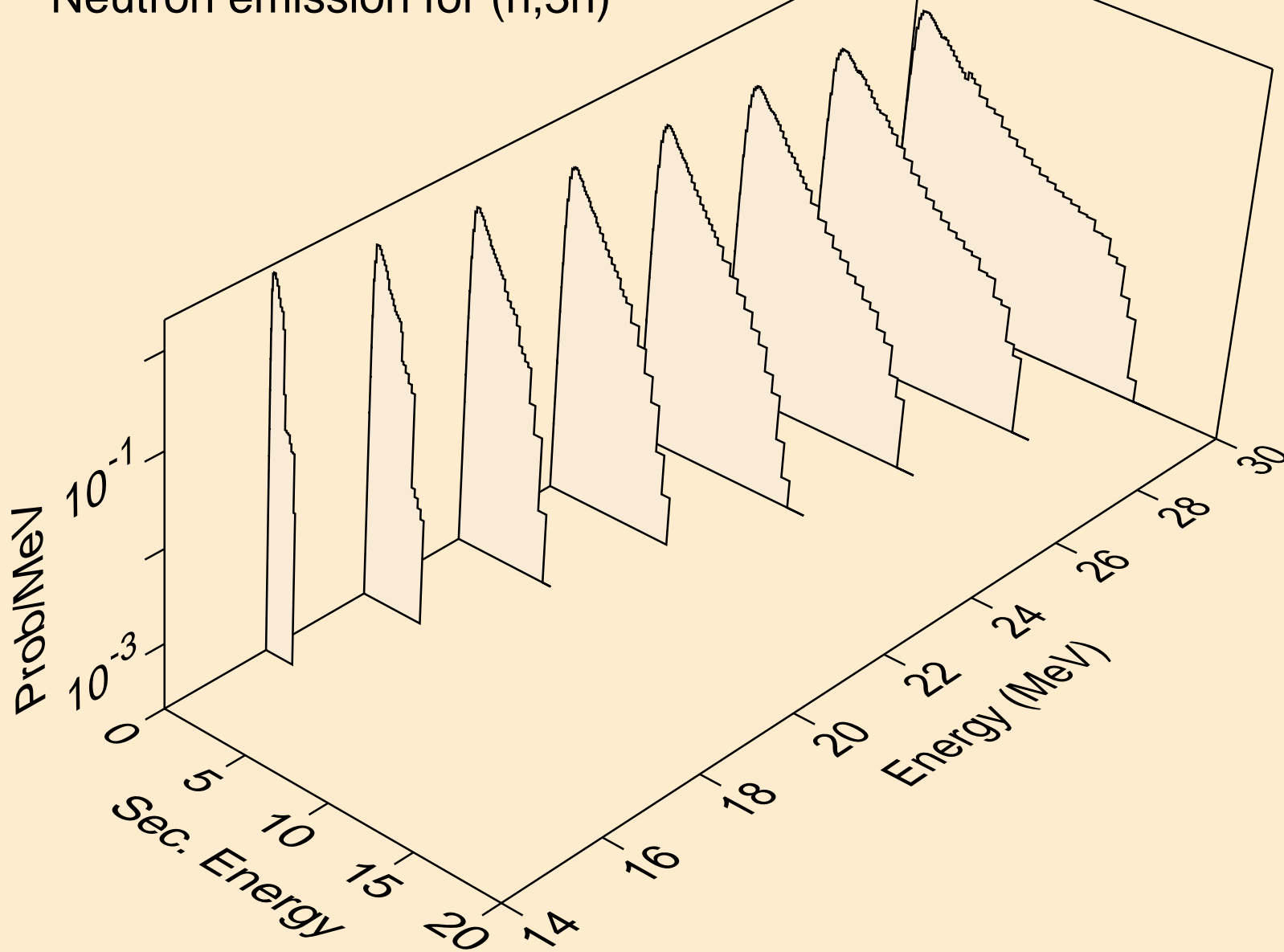
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2nd)



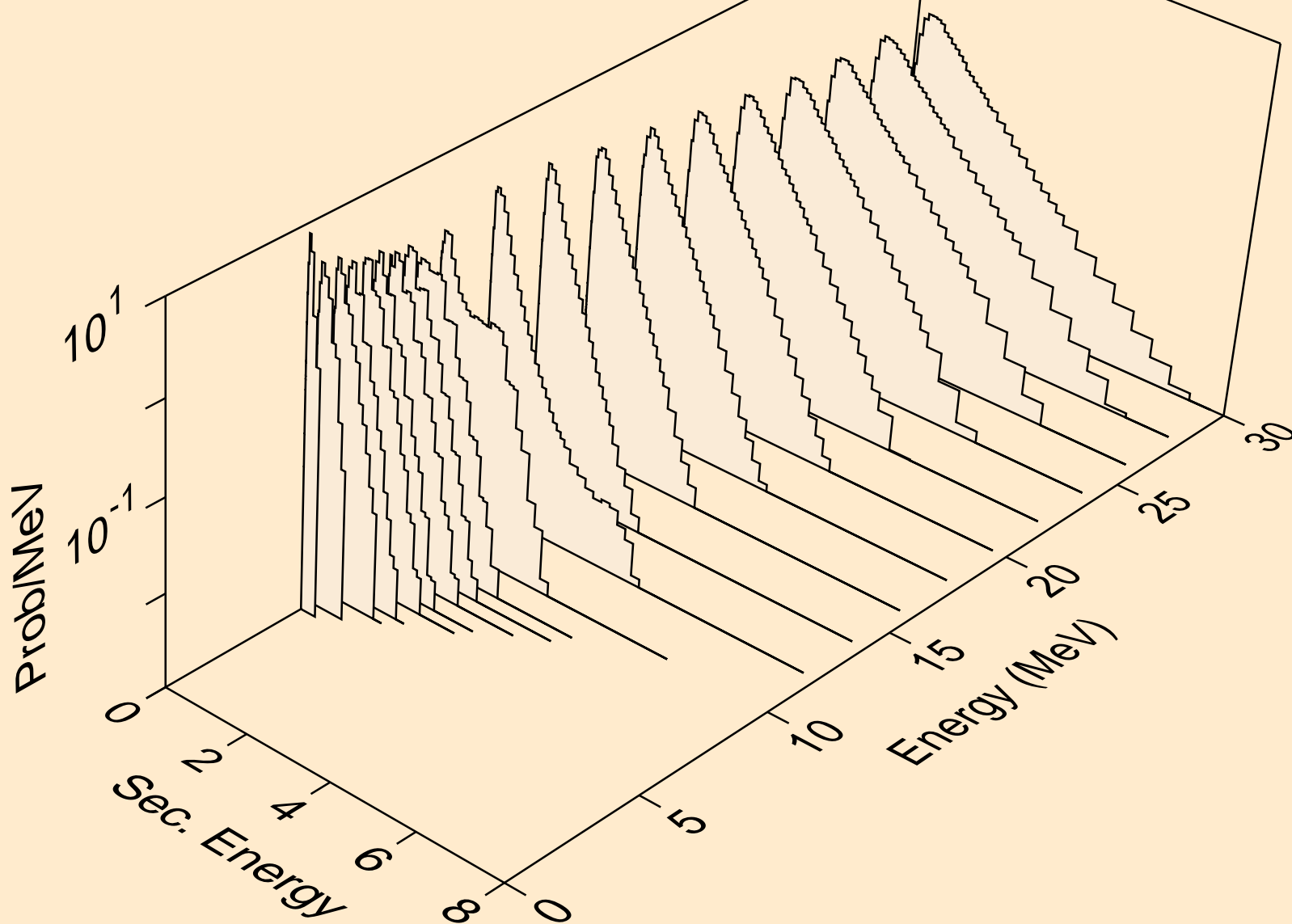
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)



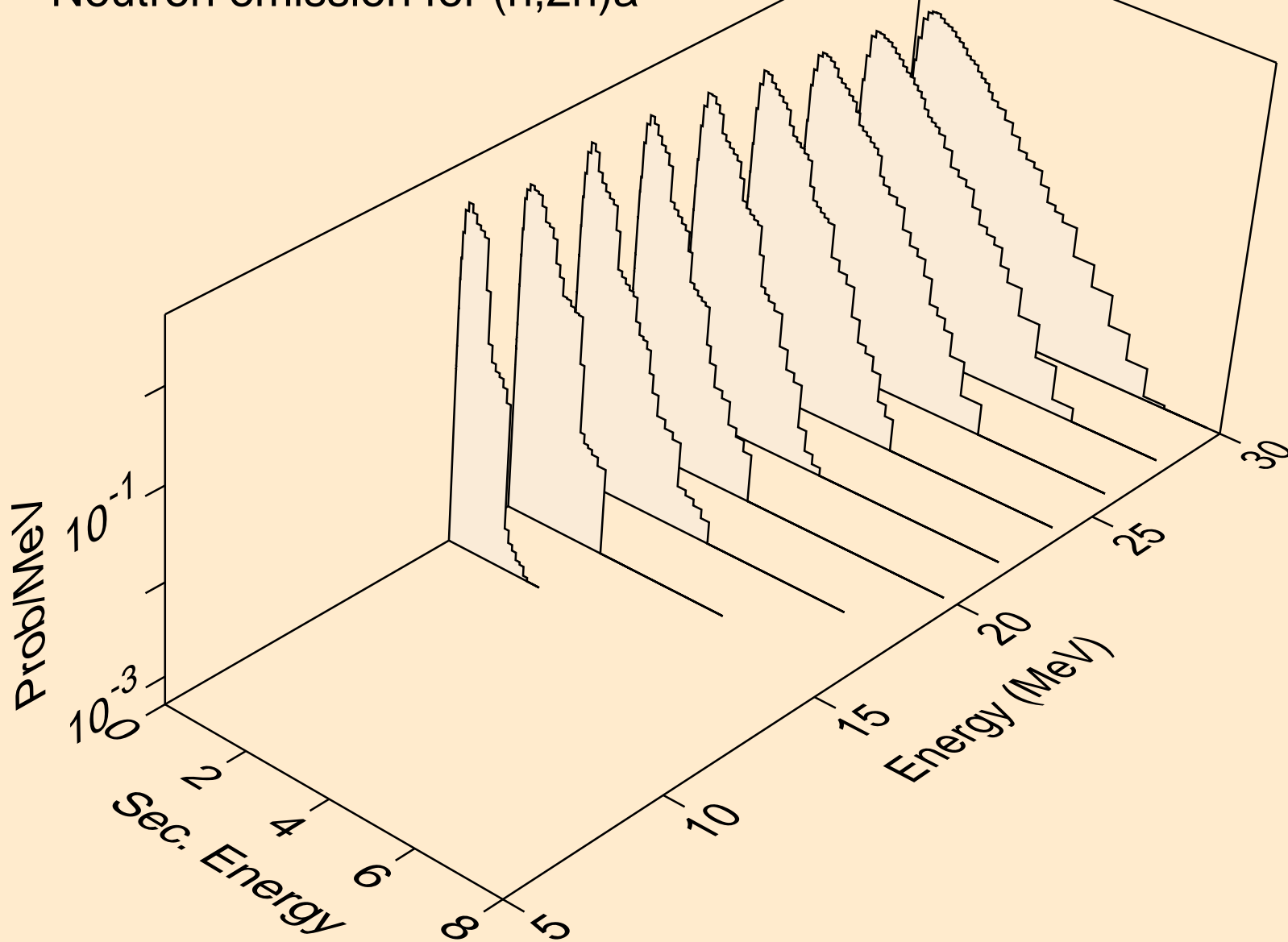
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)



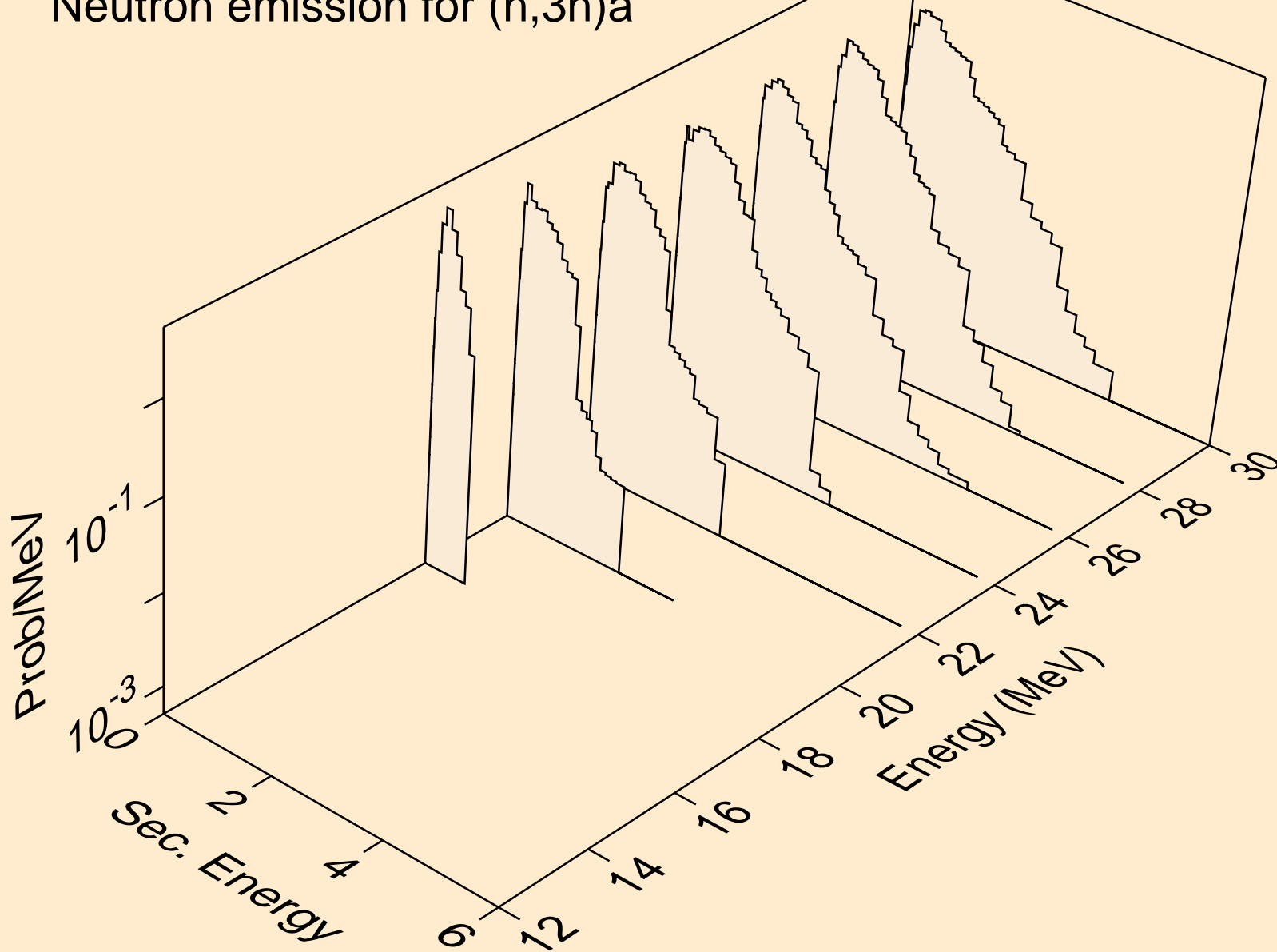
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)a



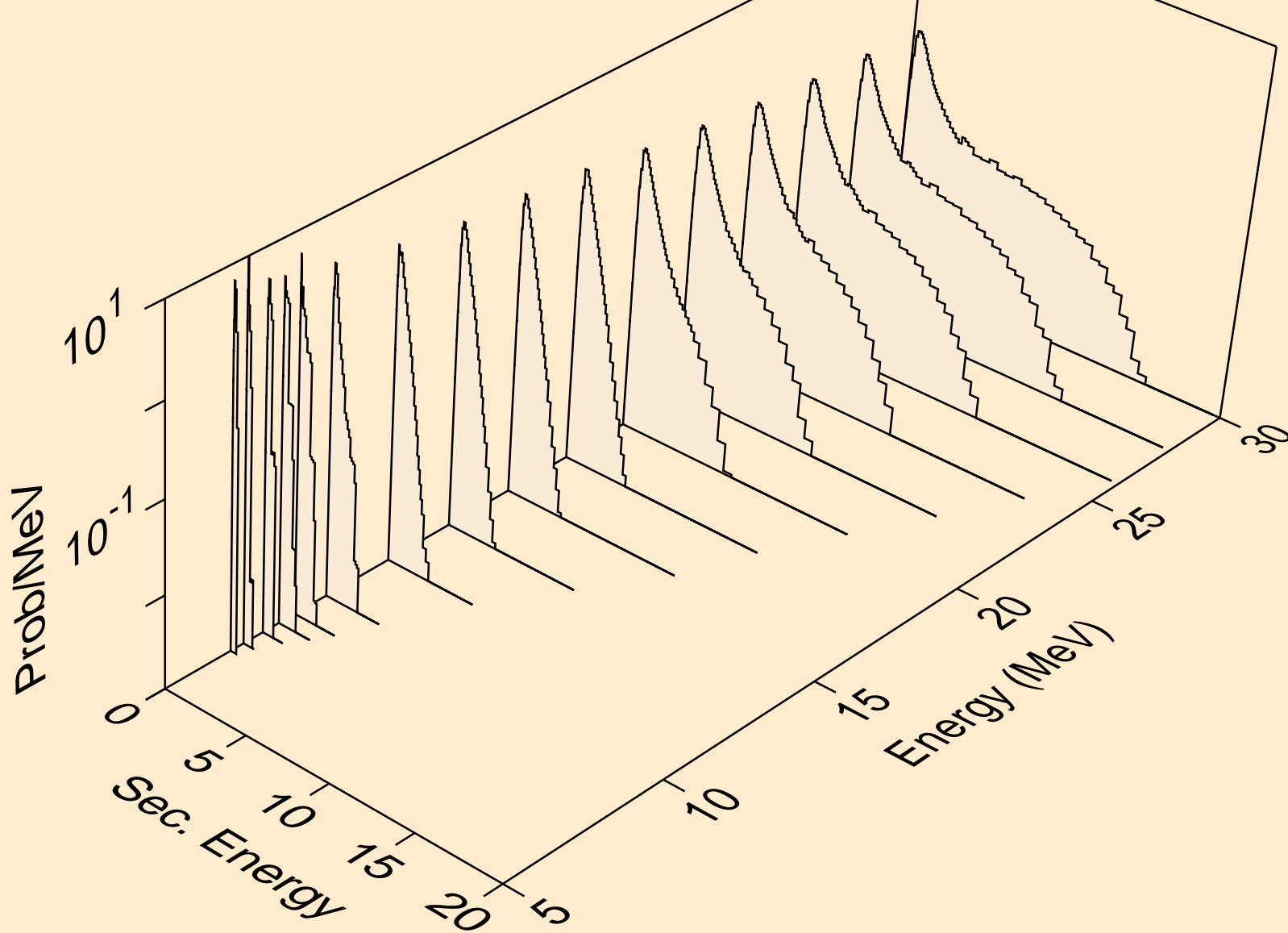
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2n)_a



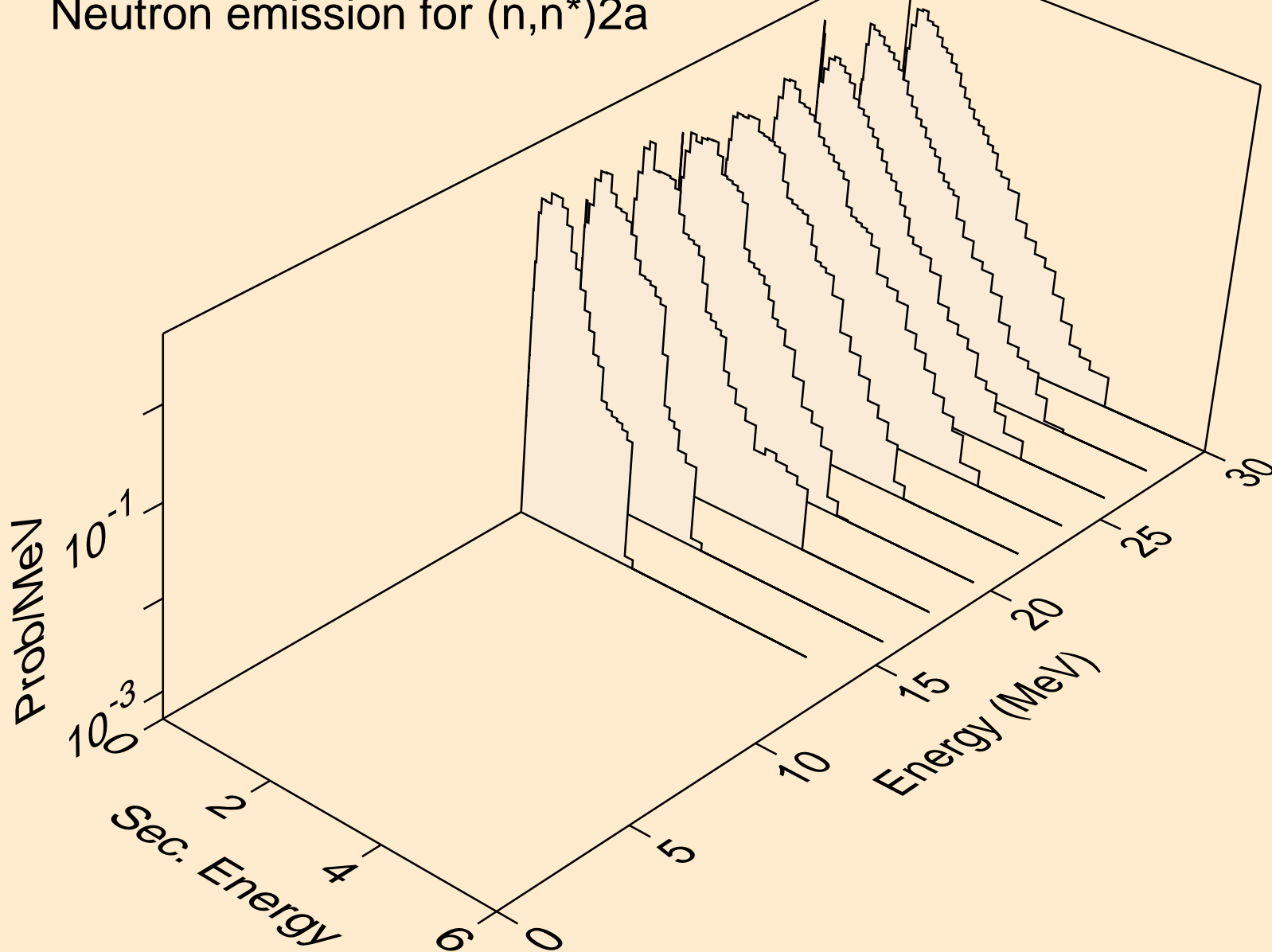
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3n)a



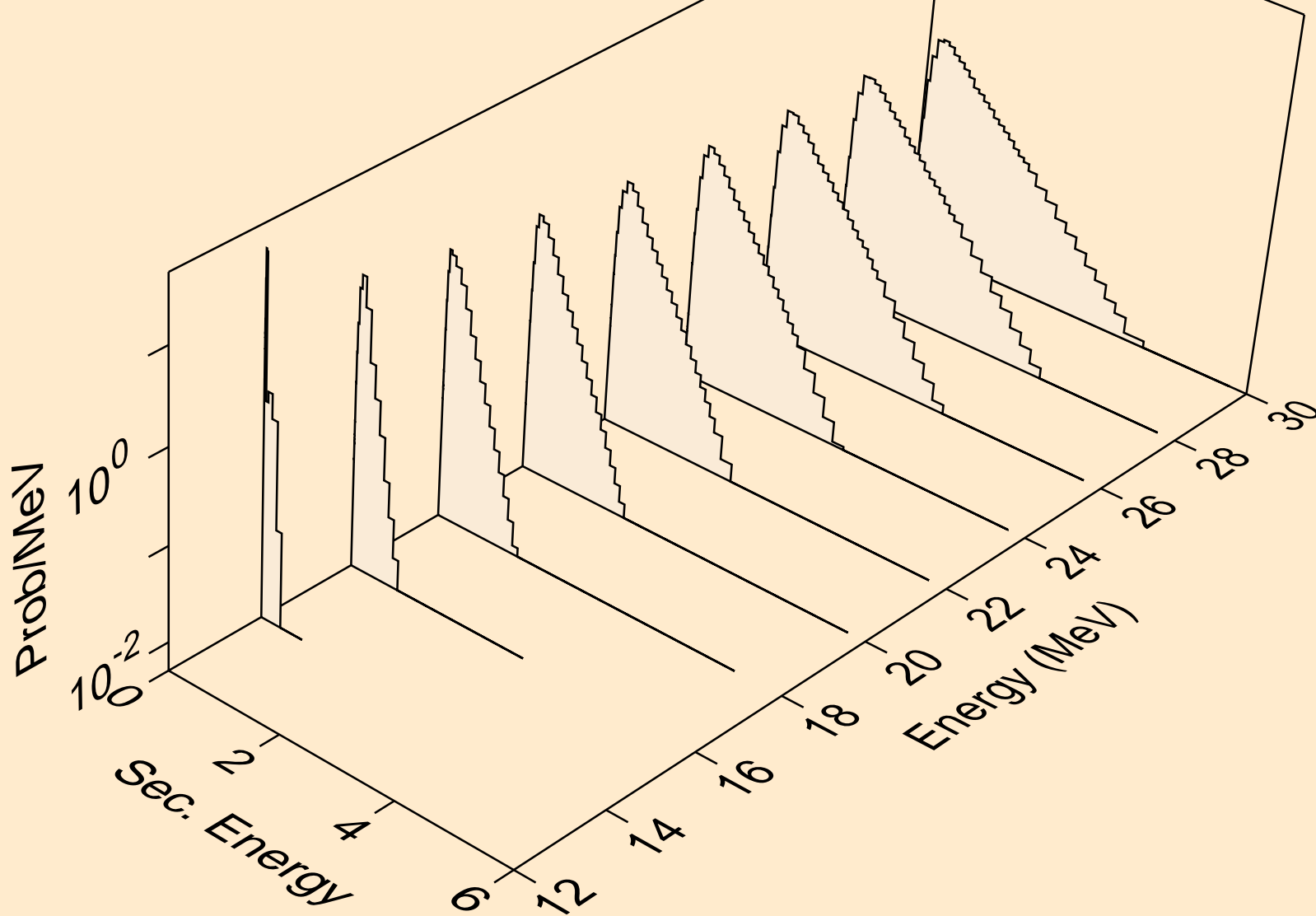
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)p



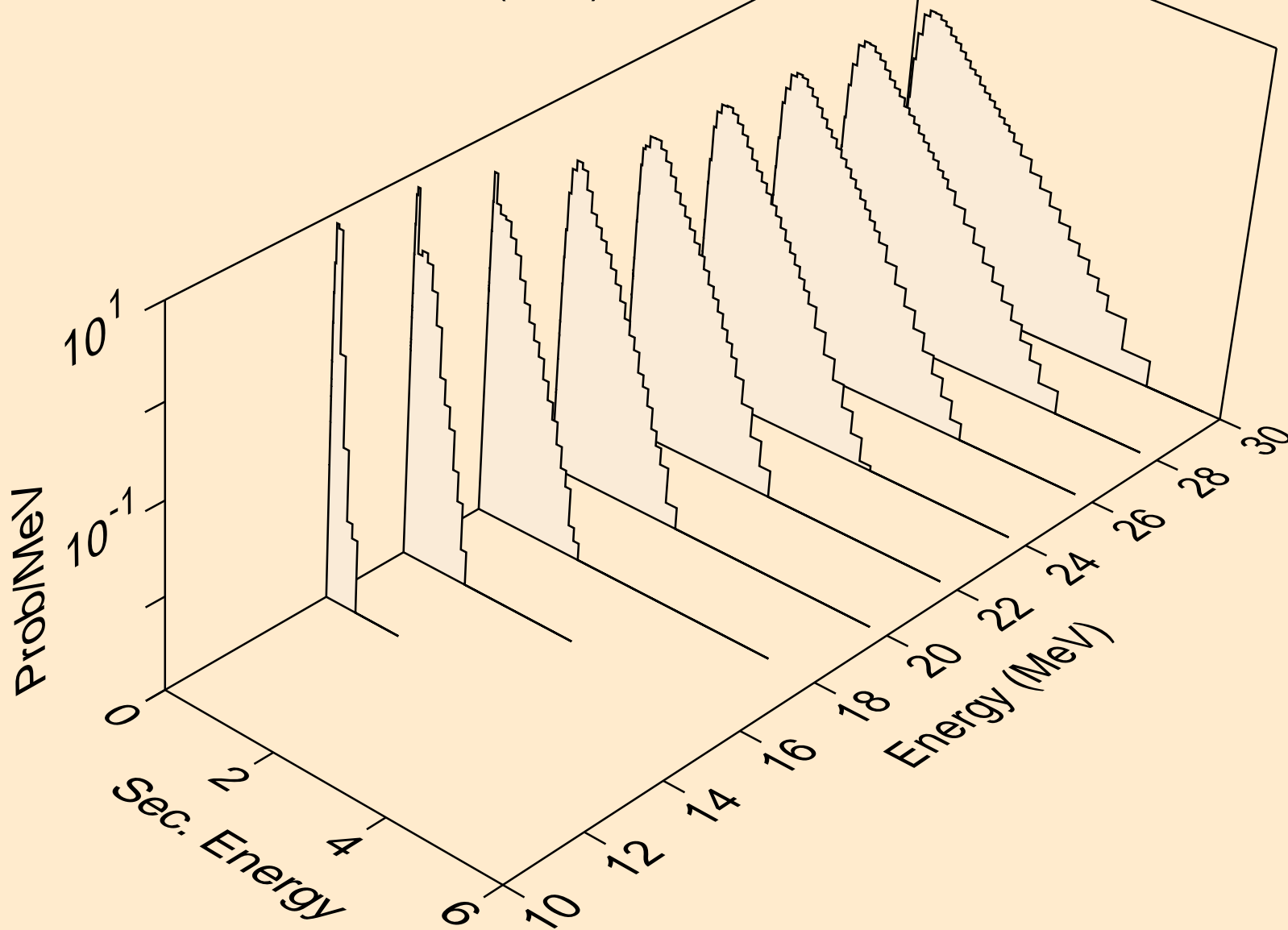
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)2a



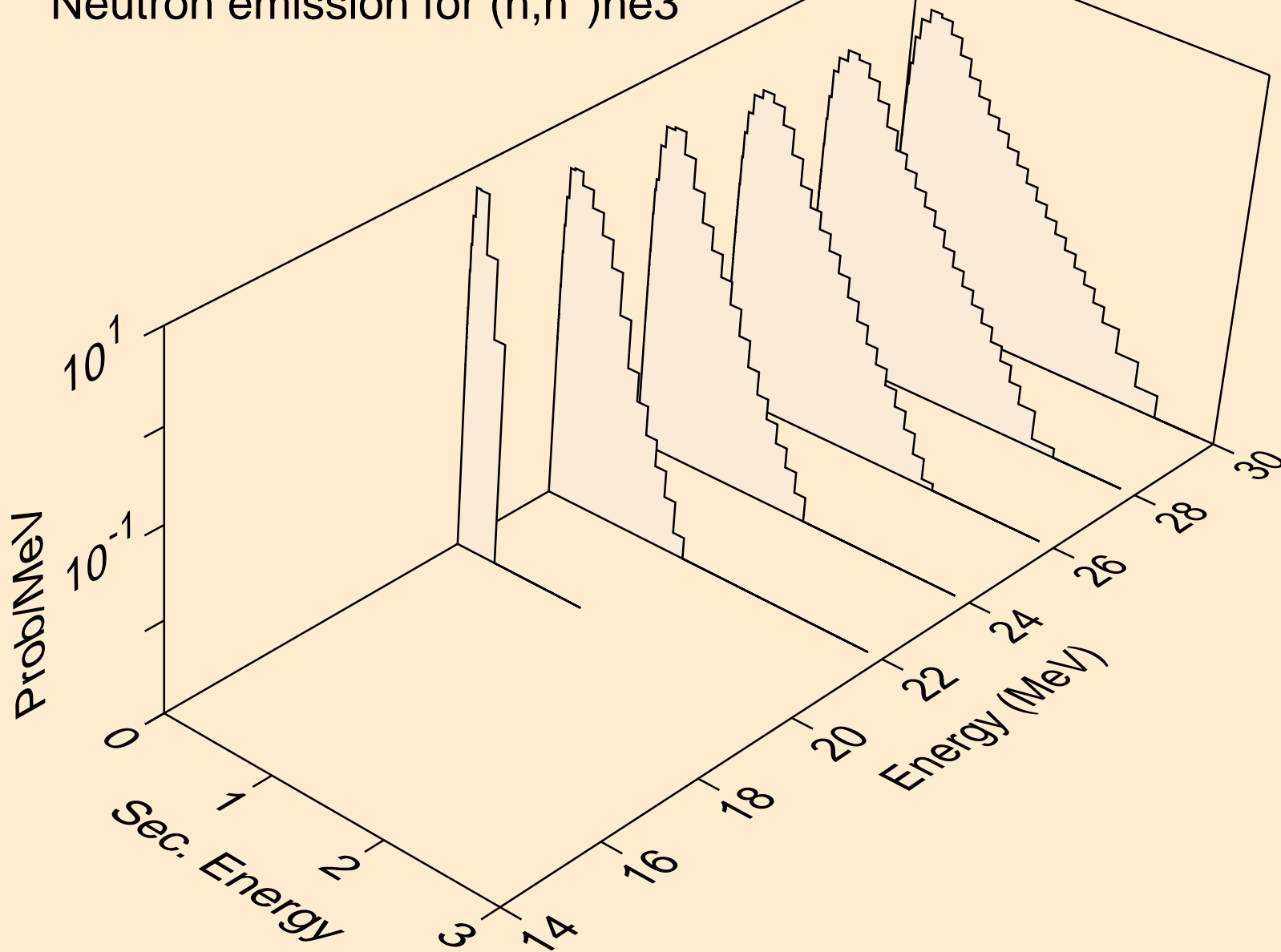
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)d



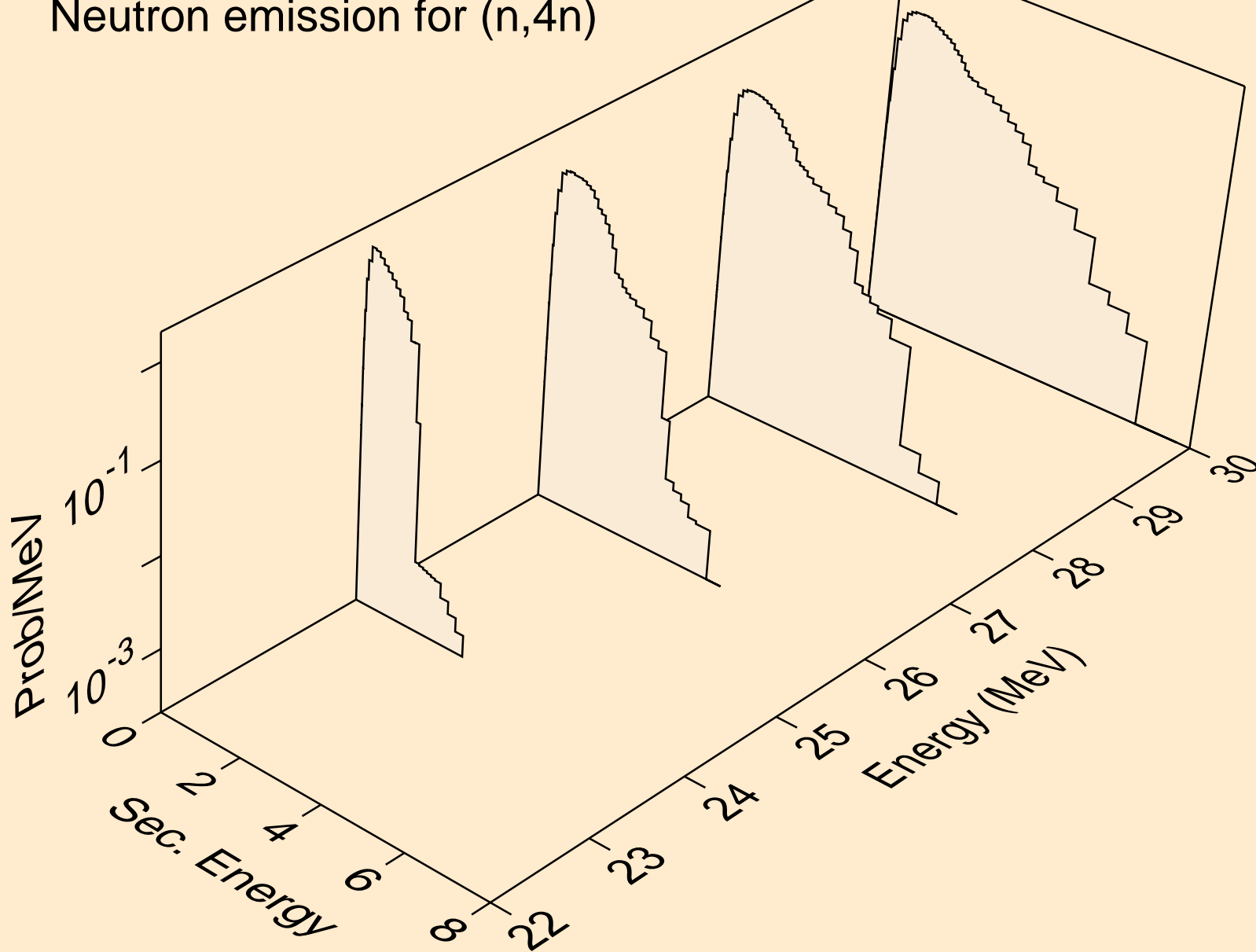
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)t



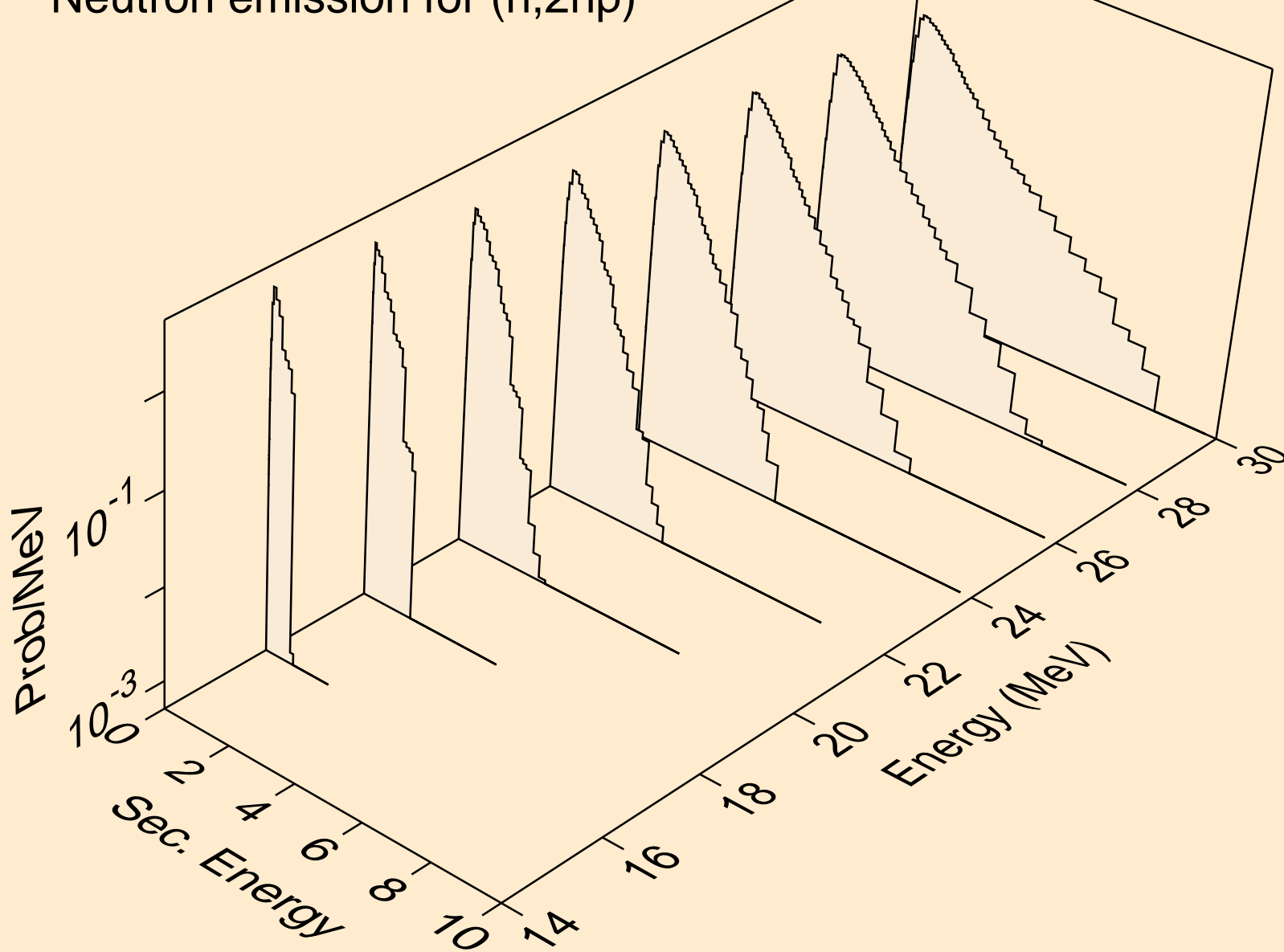
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*)he3



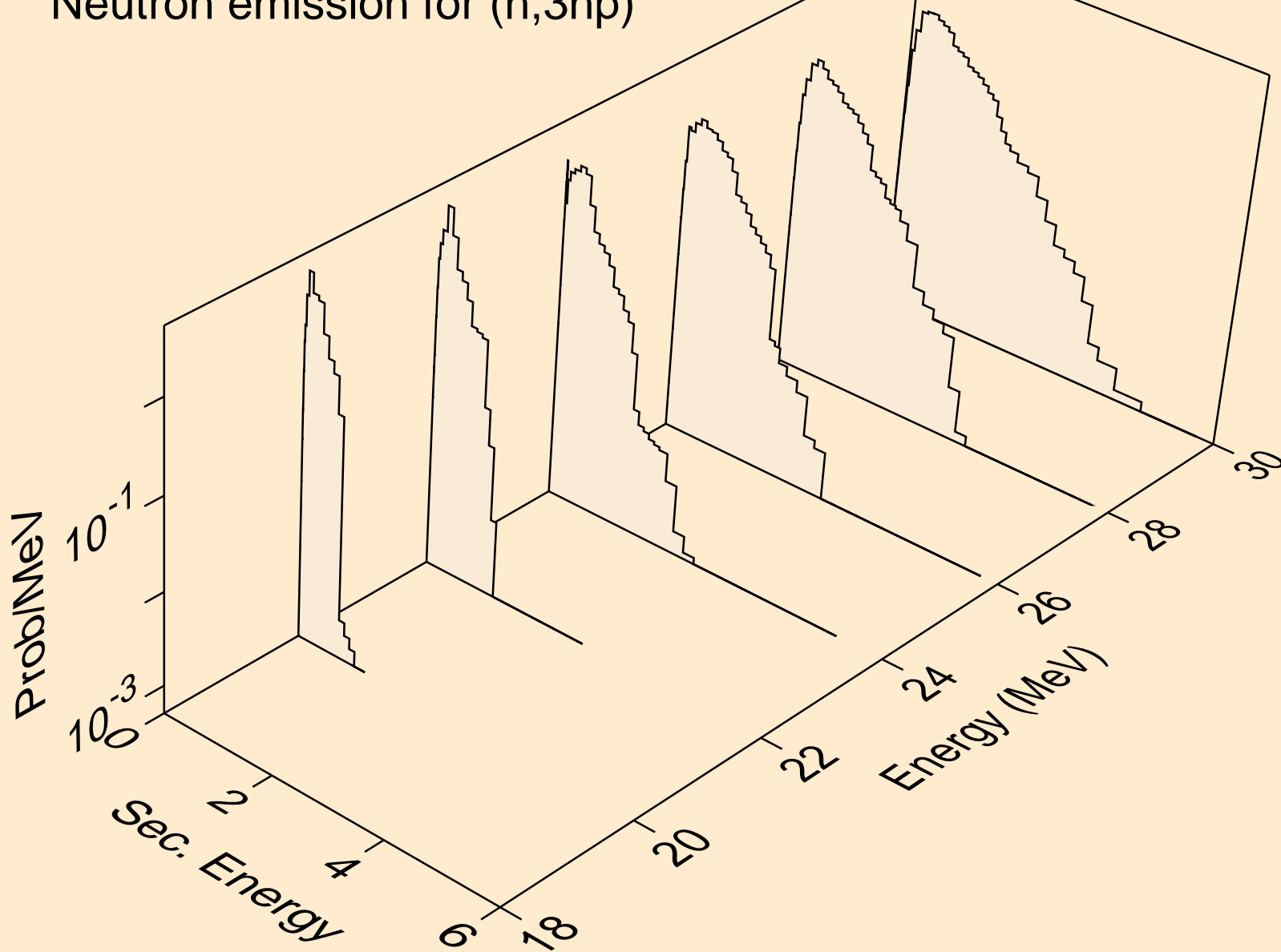
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,4n)



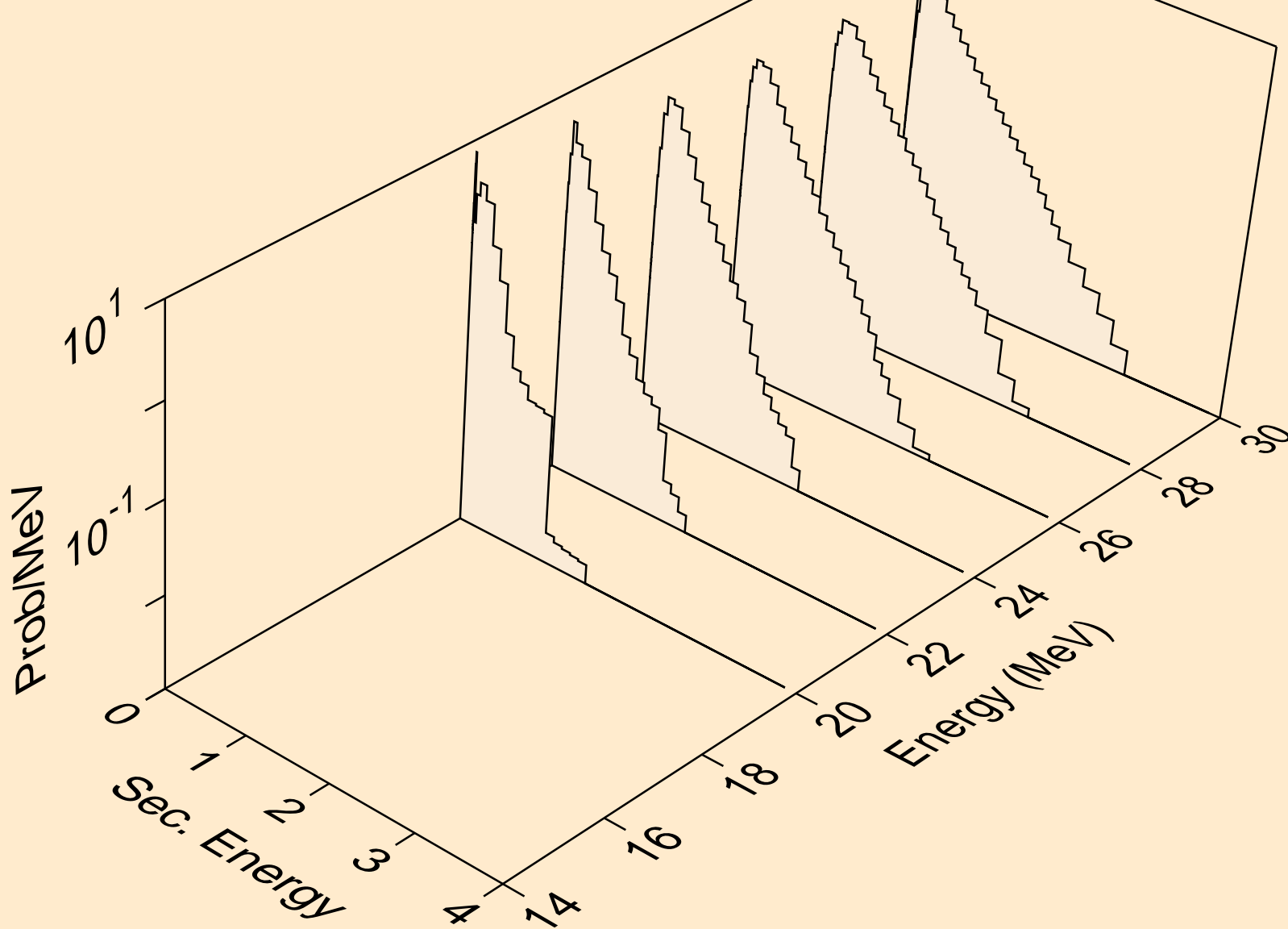
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



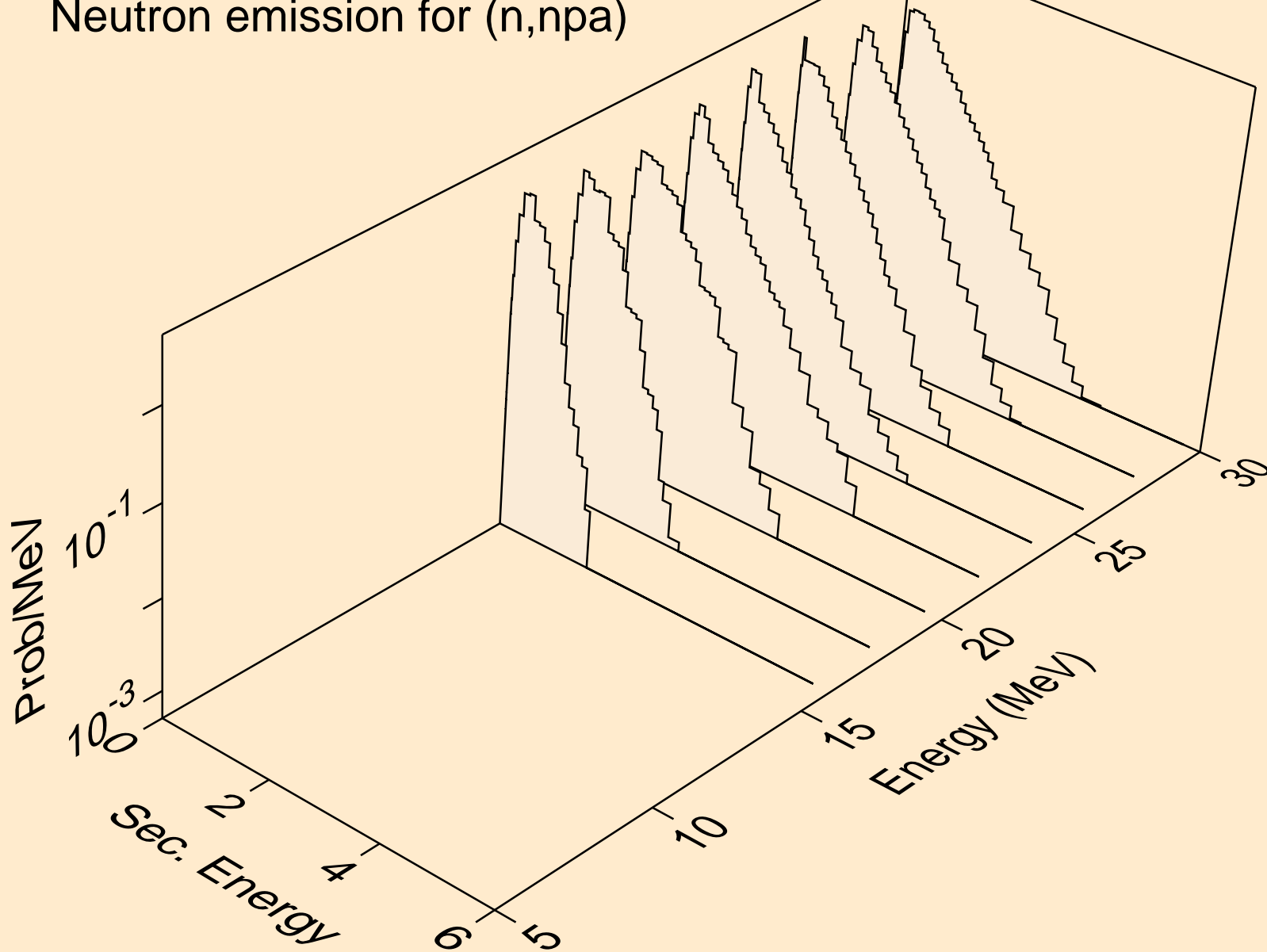
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,3np)



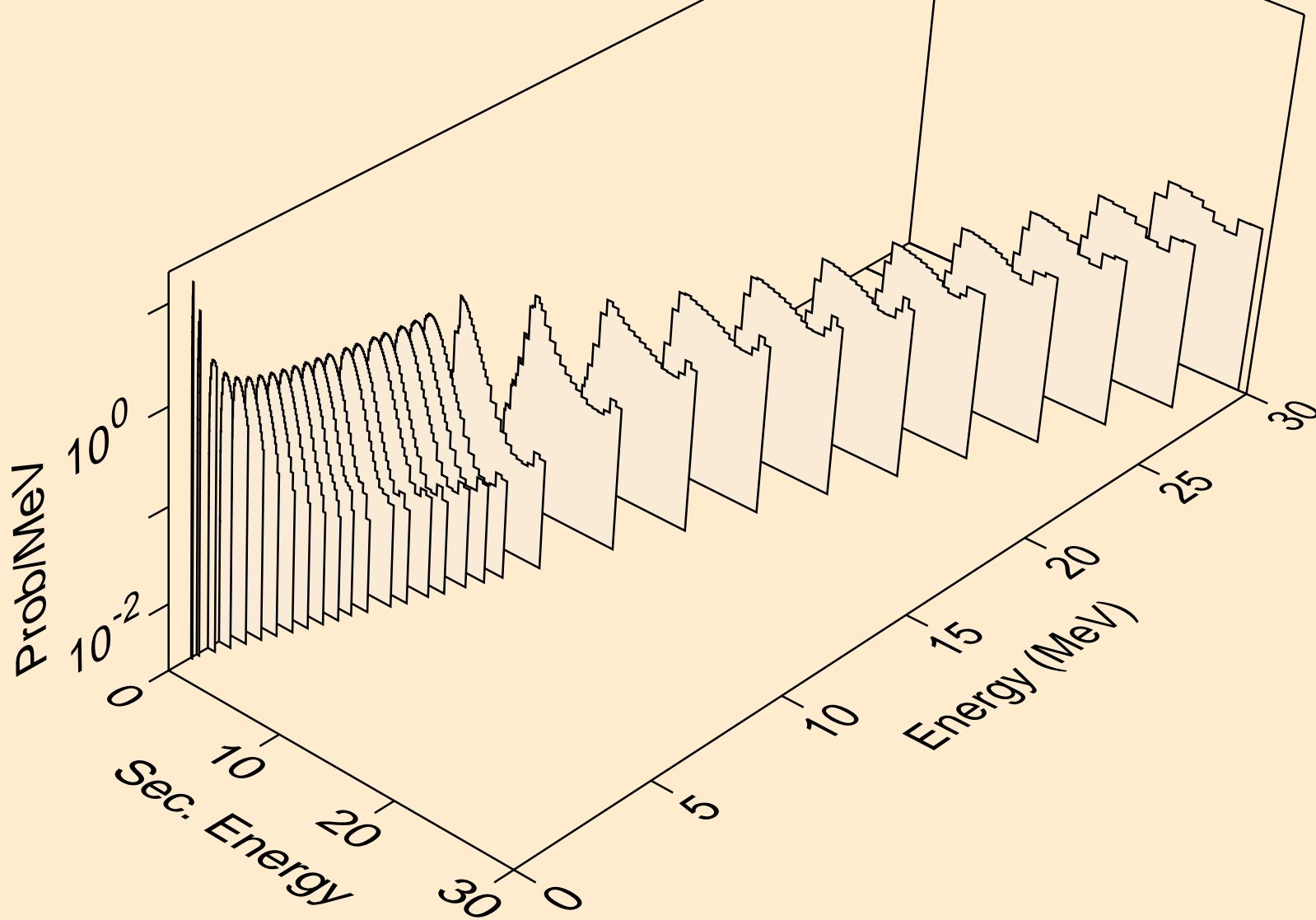
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,2np)



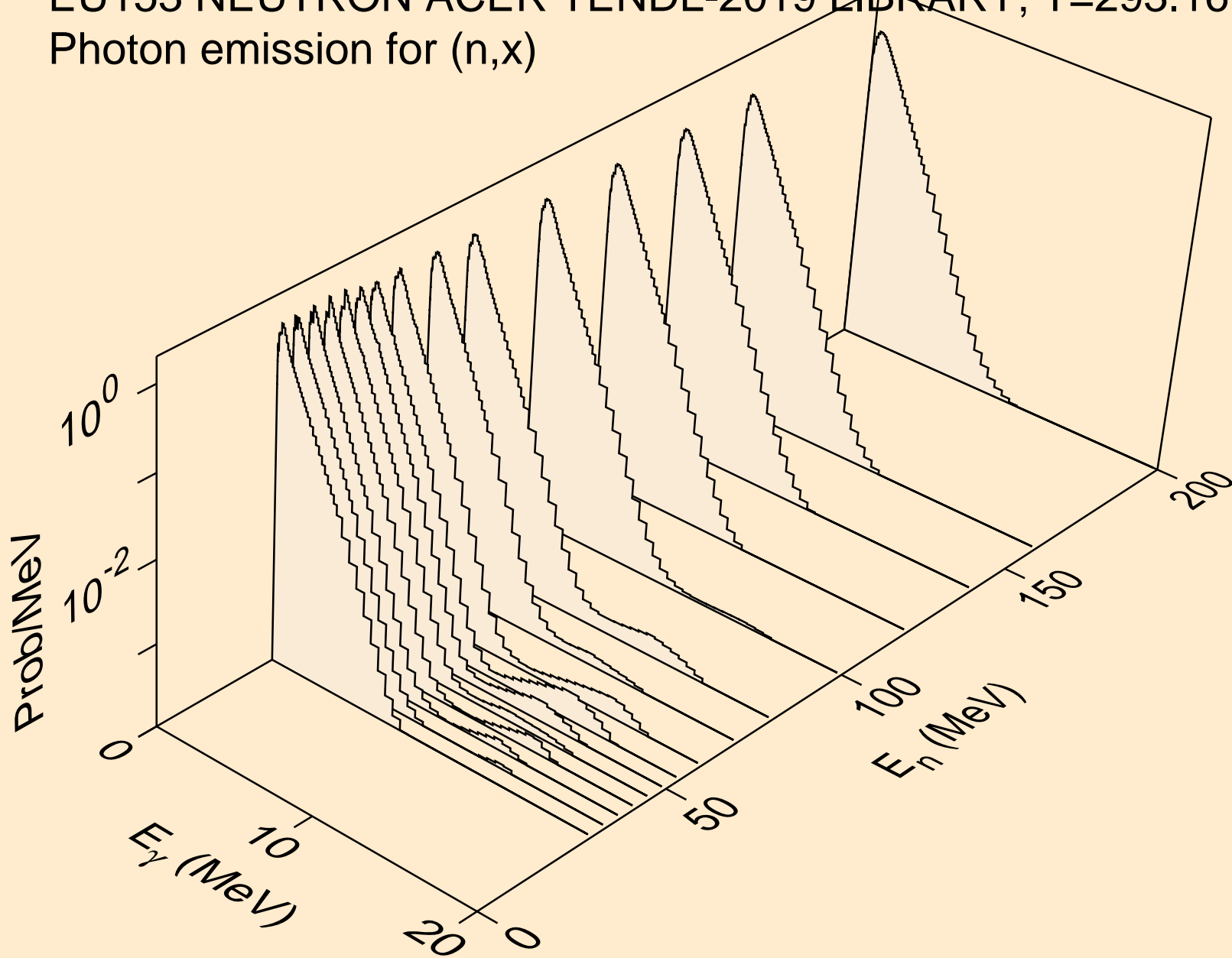
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,npa)



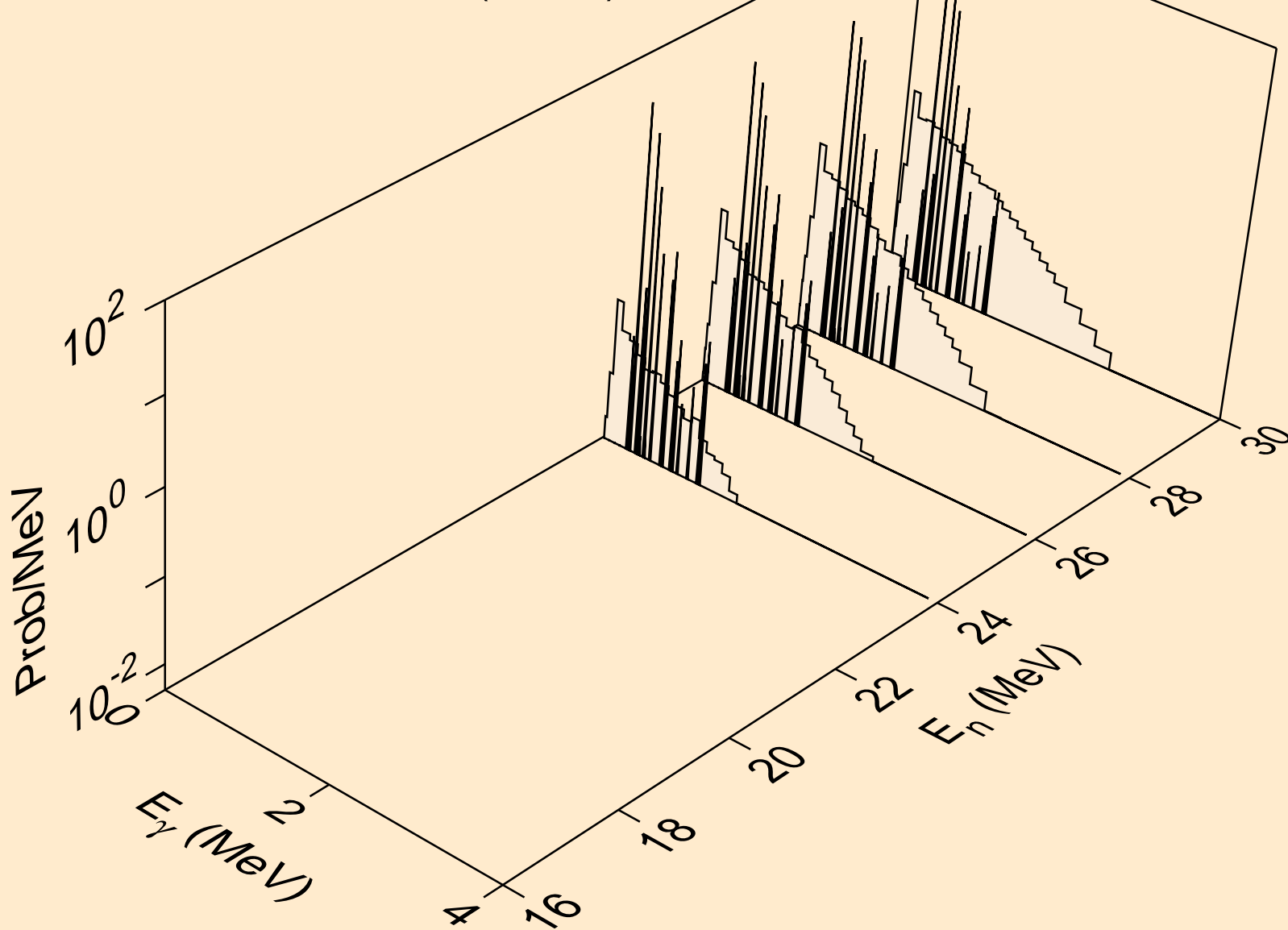
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Neutron emission for (n,n*c)



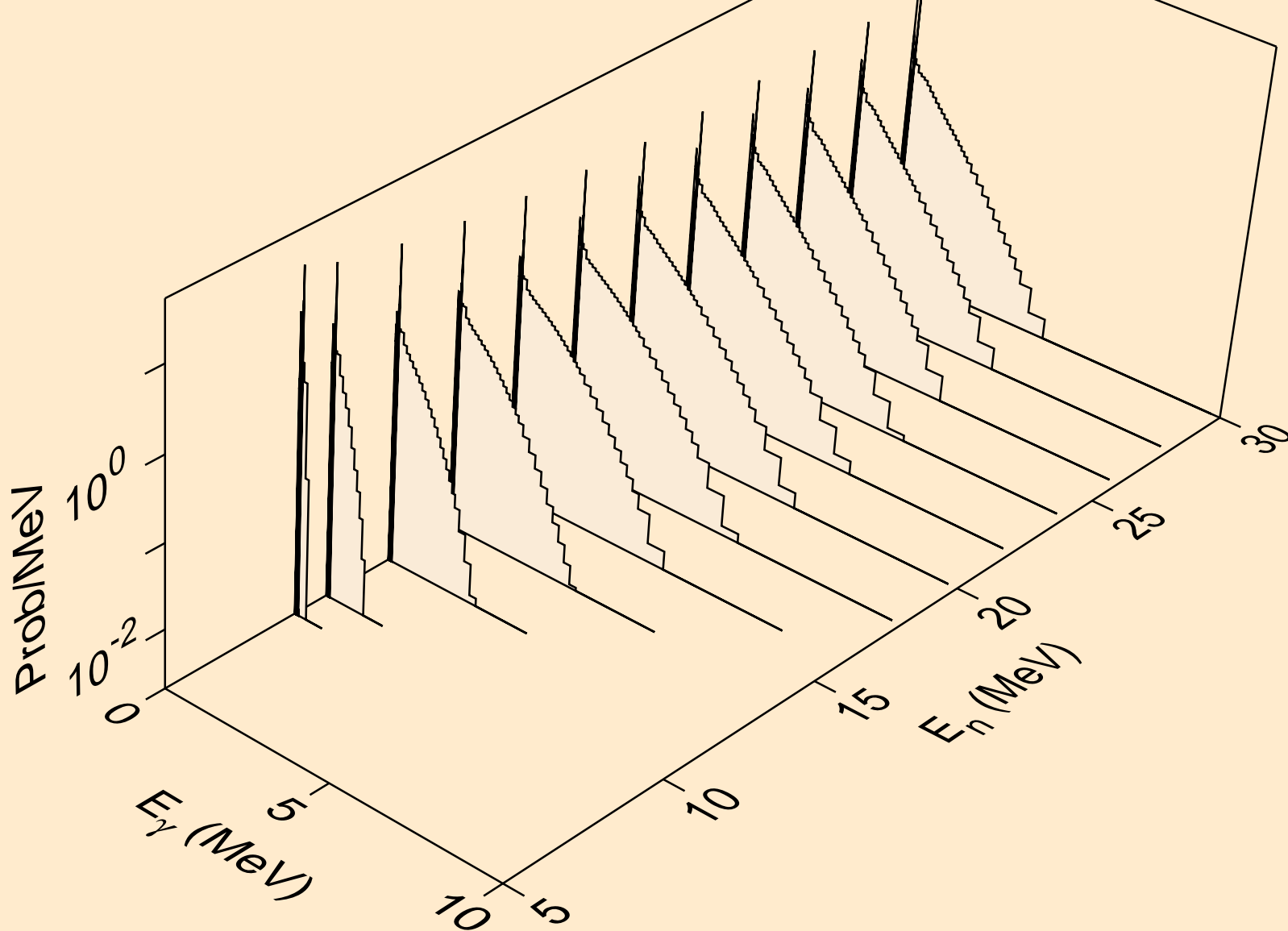
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,x)



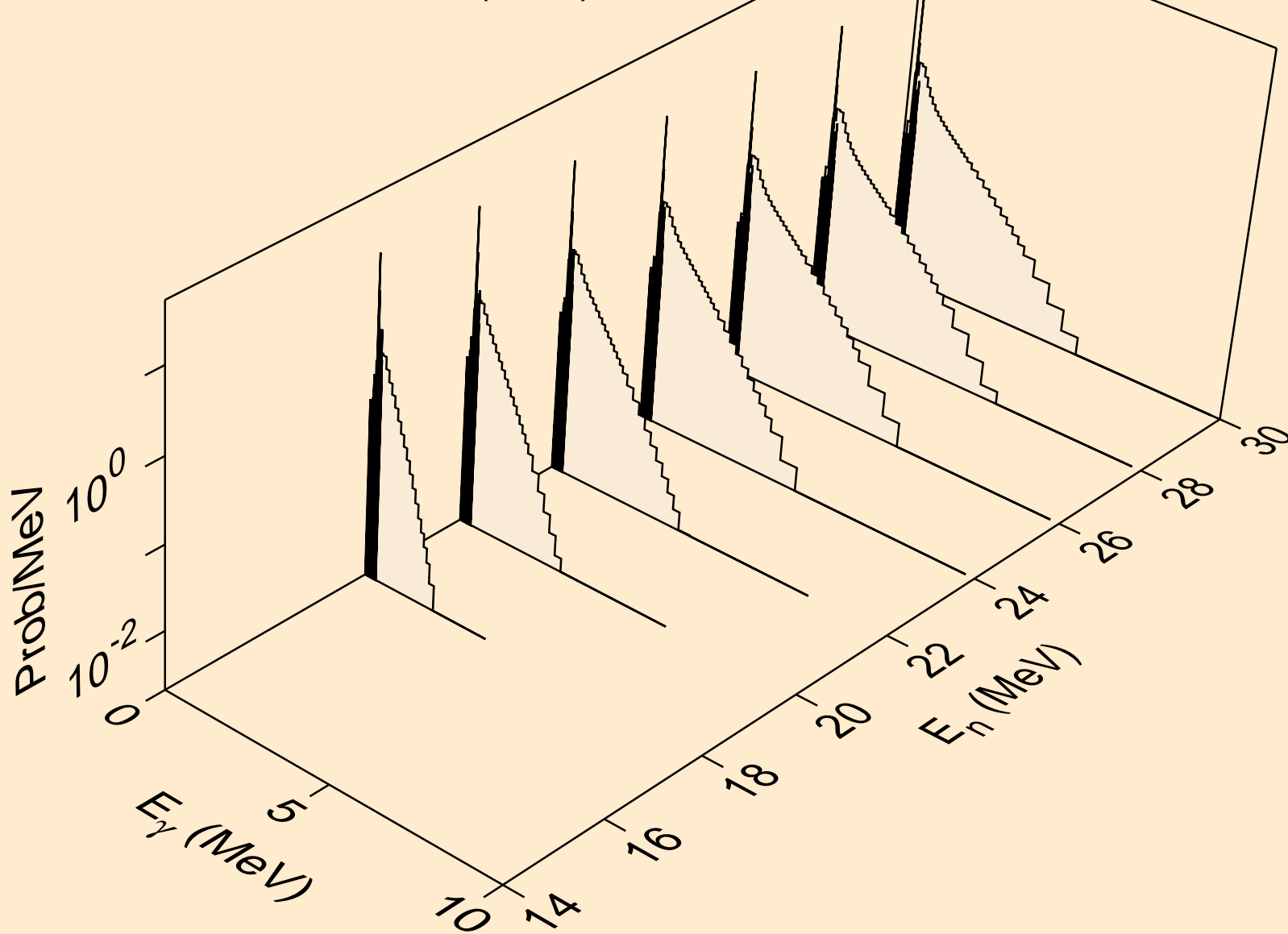
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2nd)



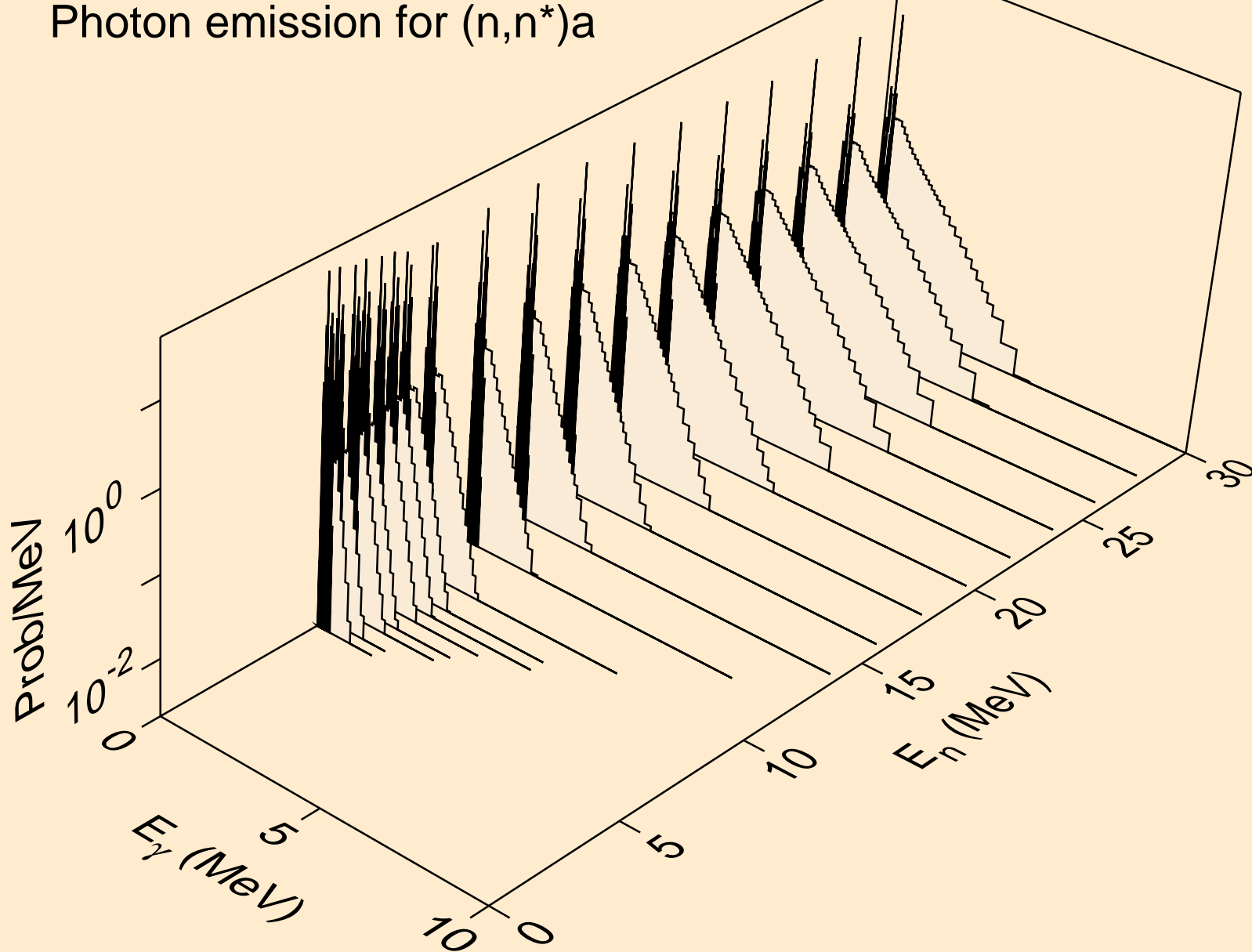
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)



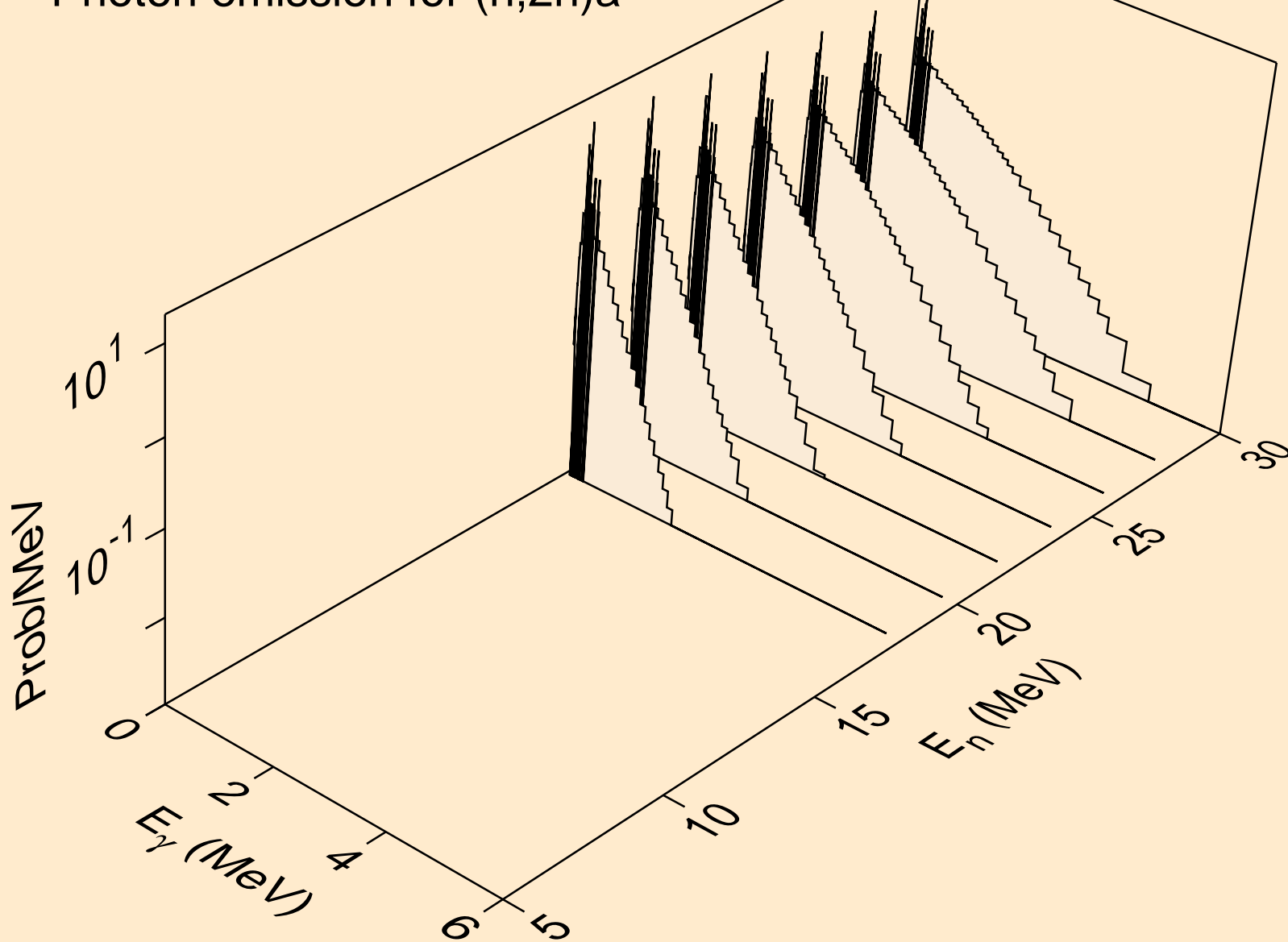
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)



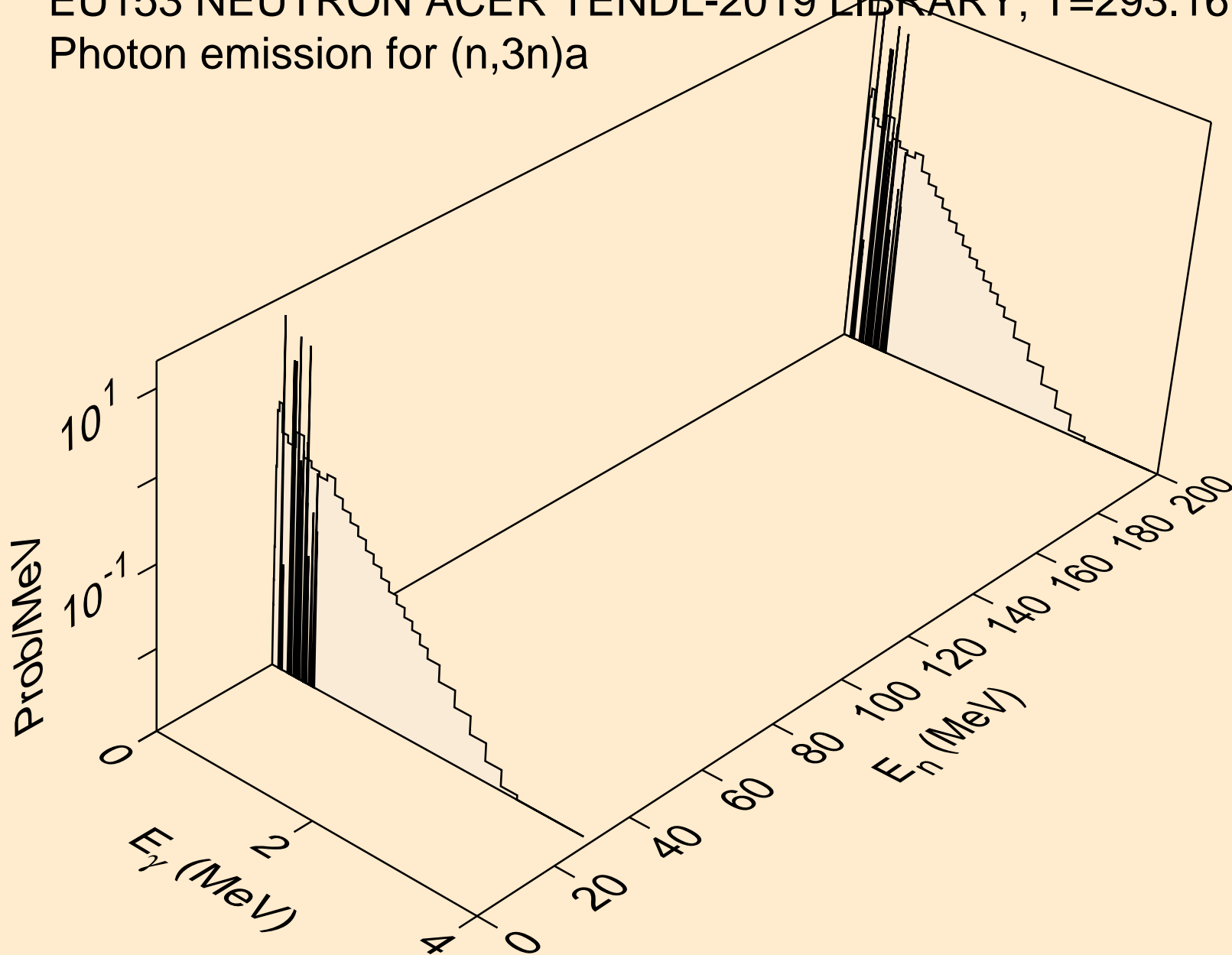
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)a



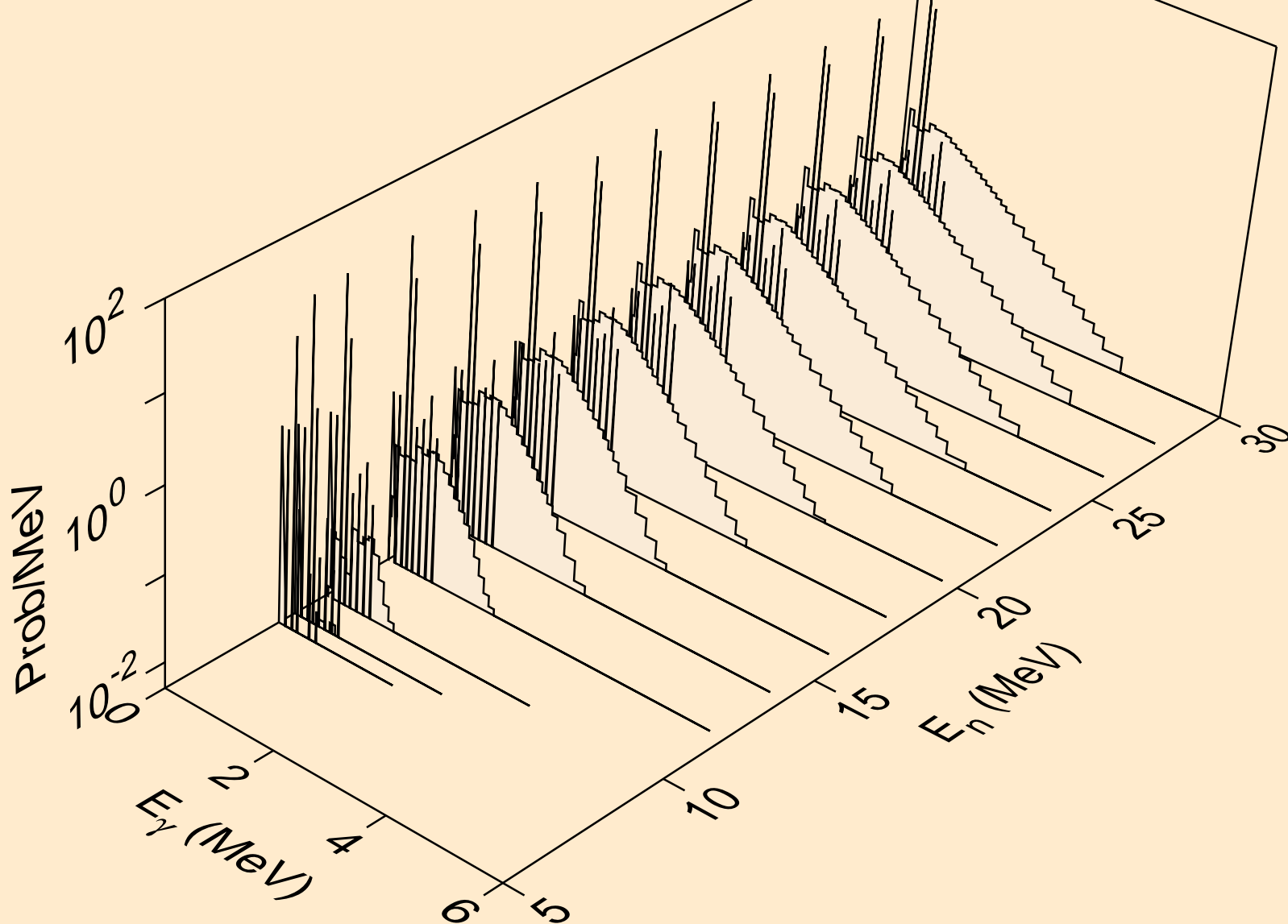
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2n)a



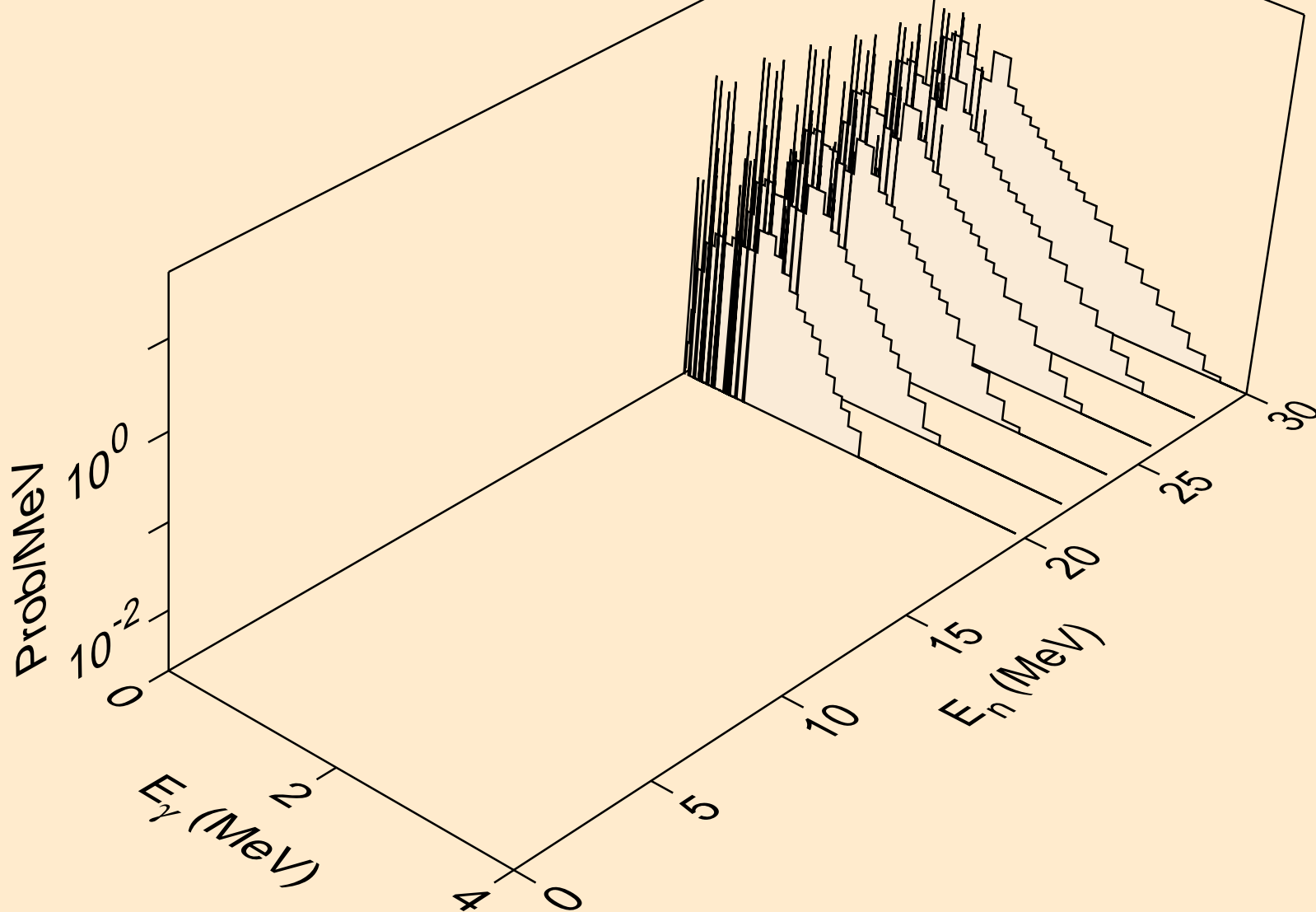
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3n)a



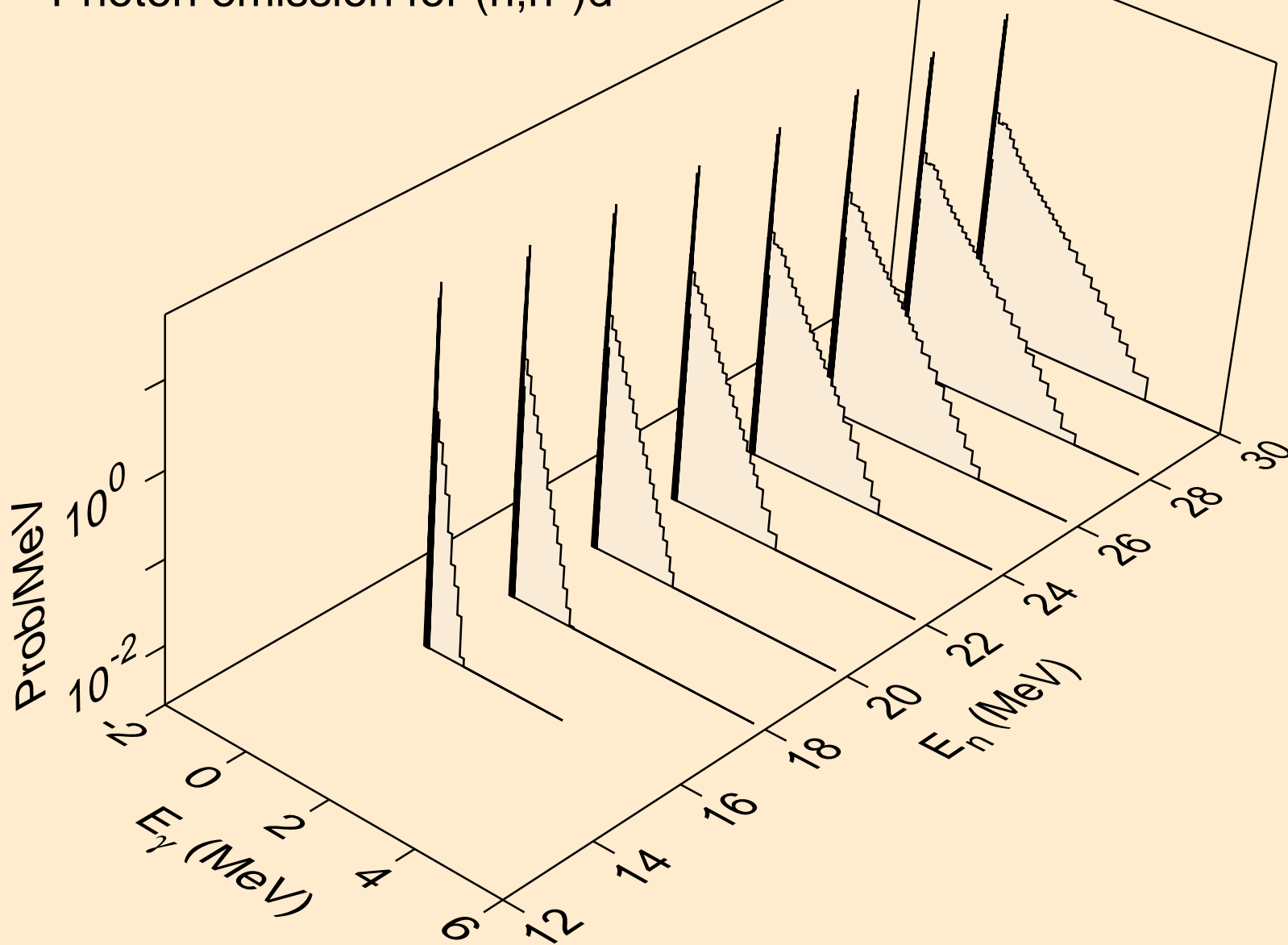
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)p



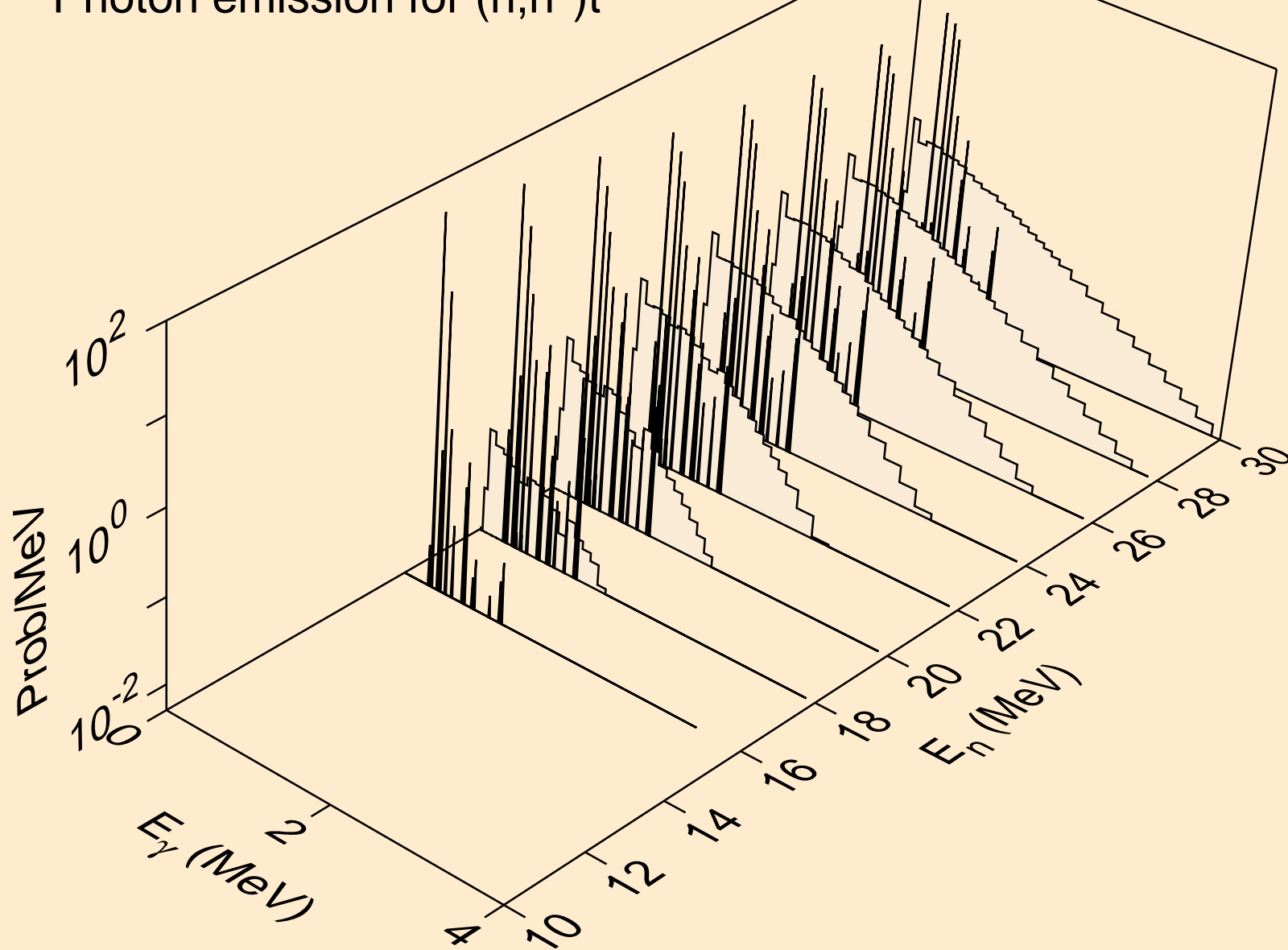
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)2a



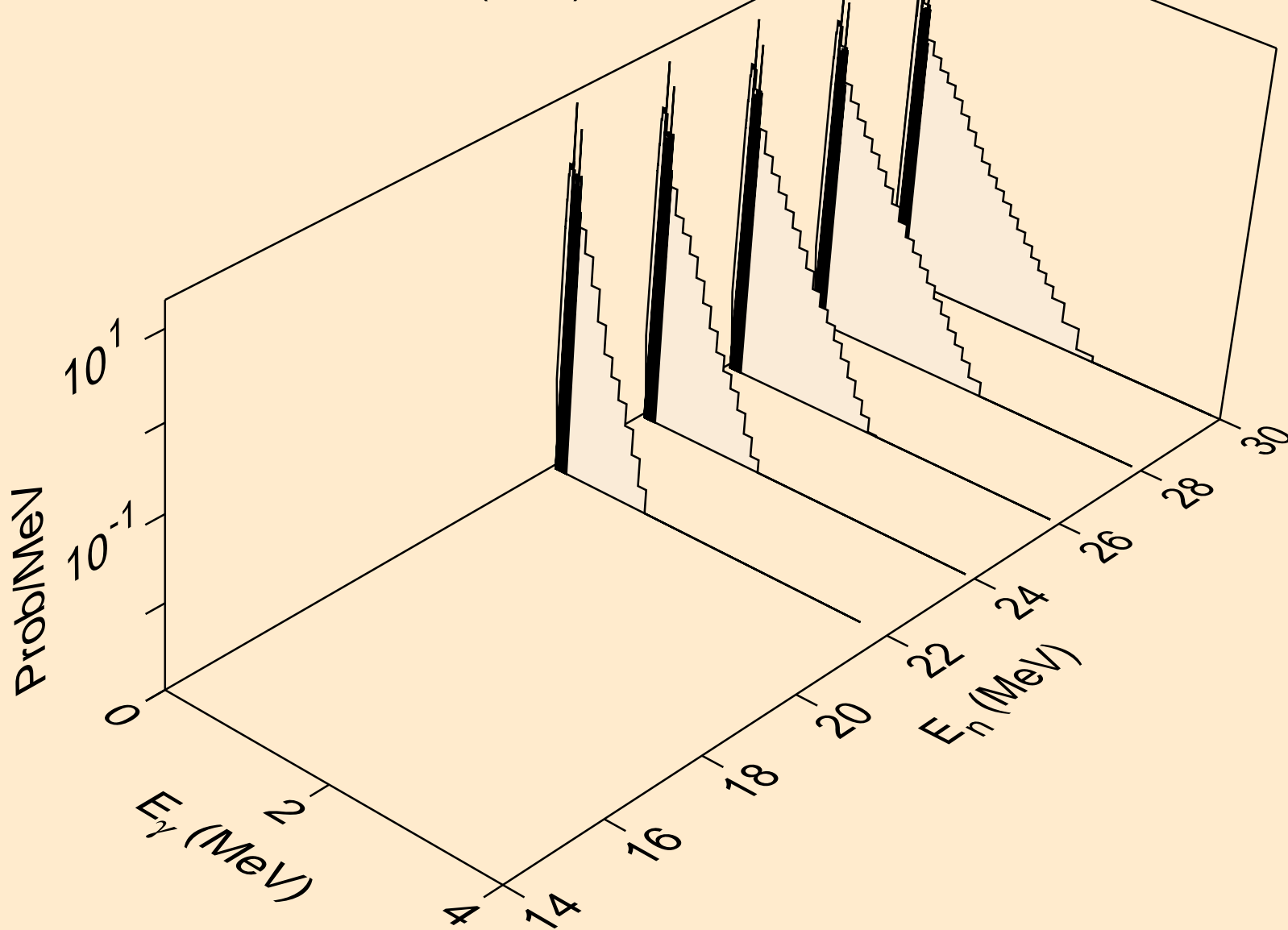
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)d



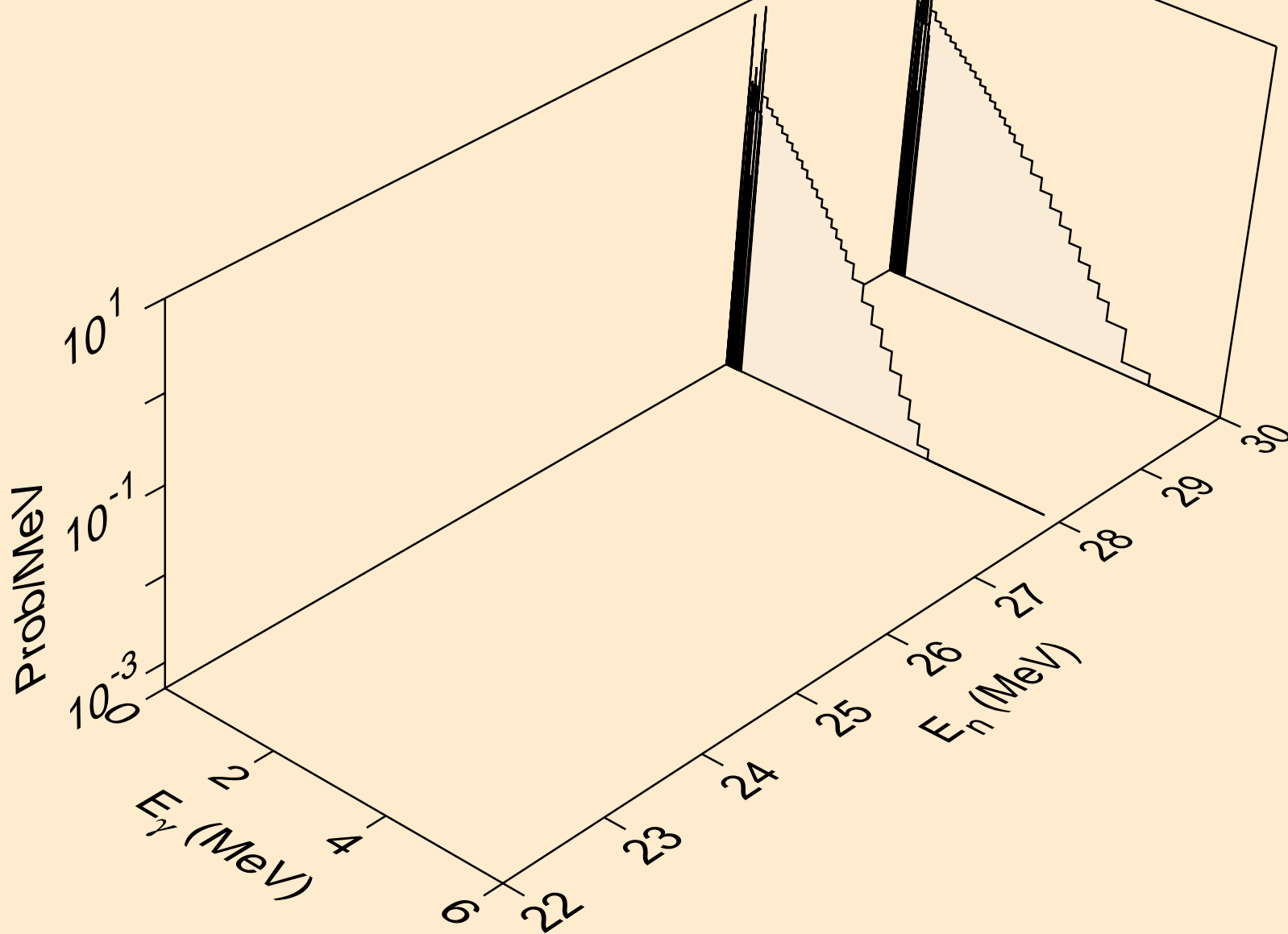
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)t



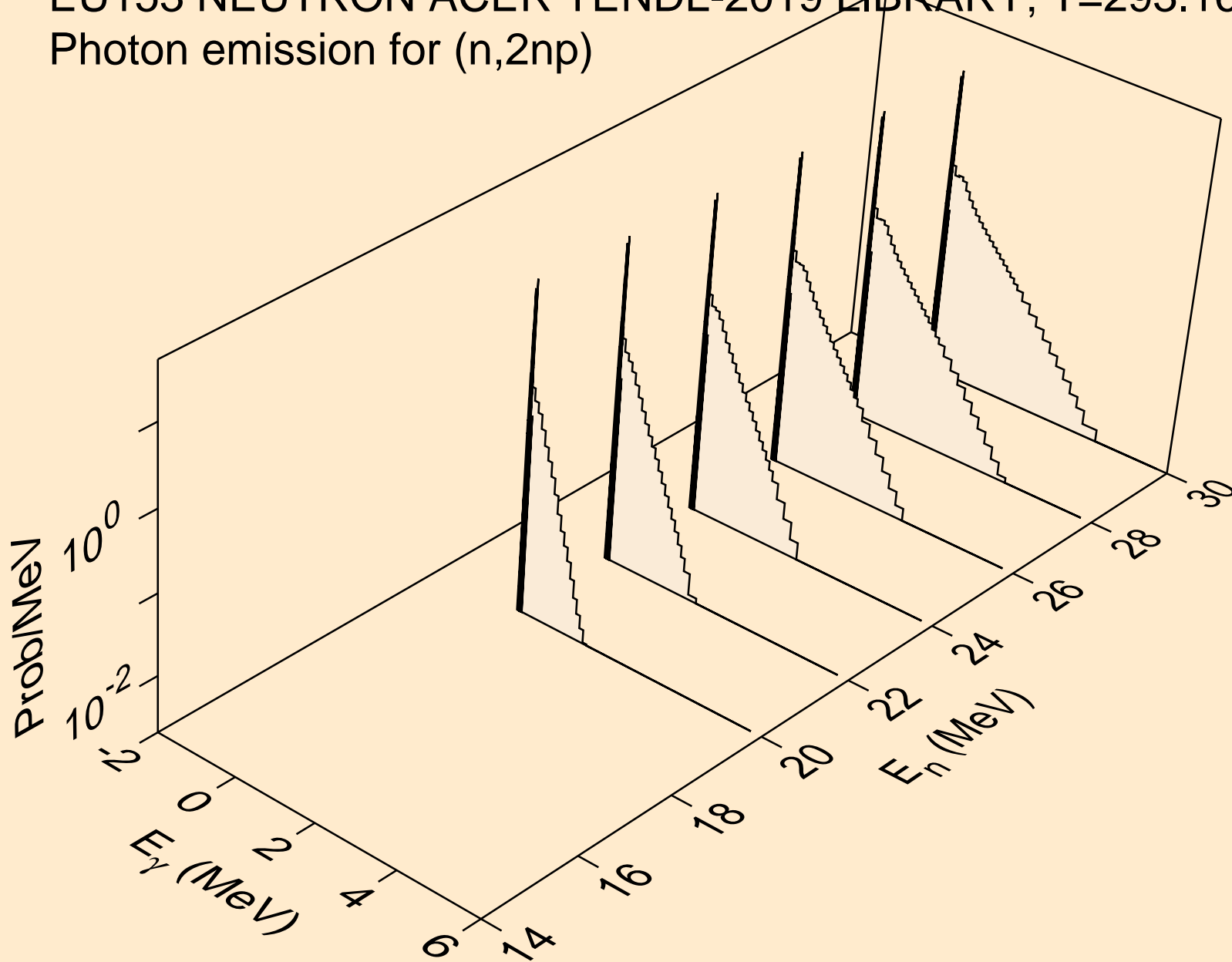
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*)he3



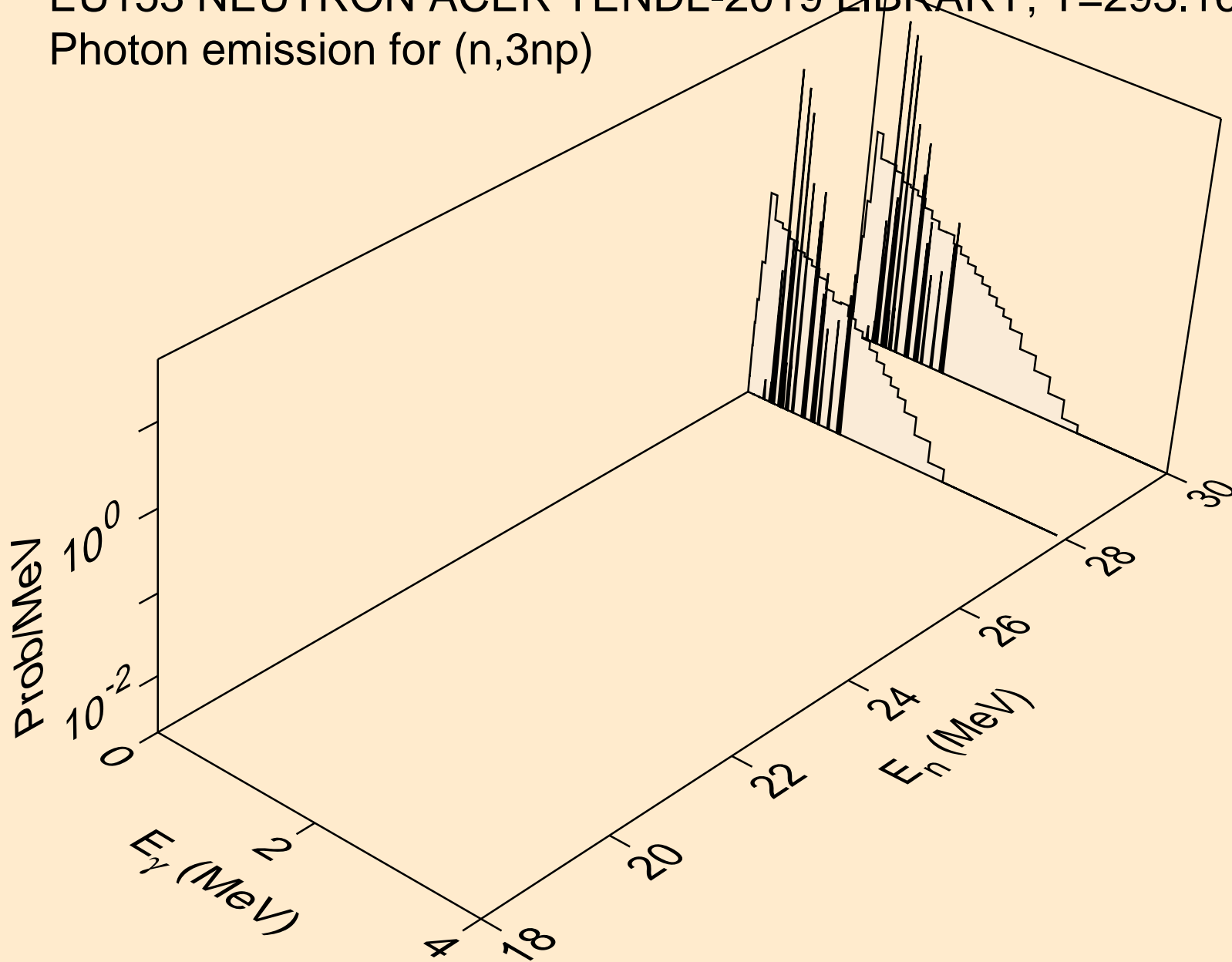
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,4n)



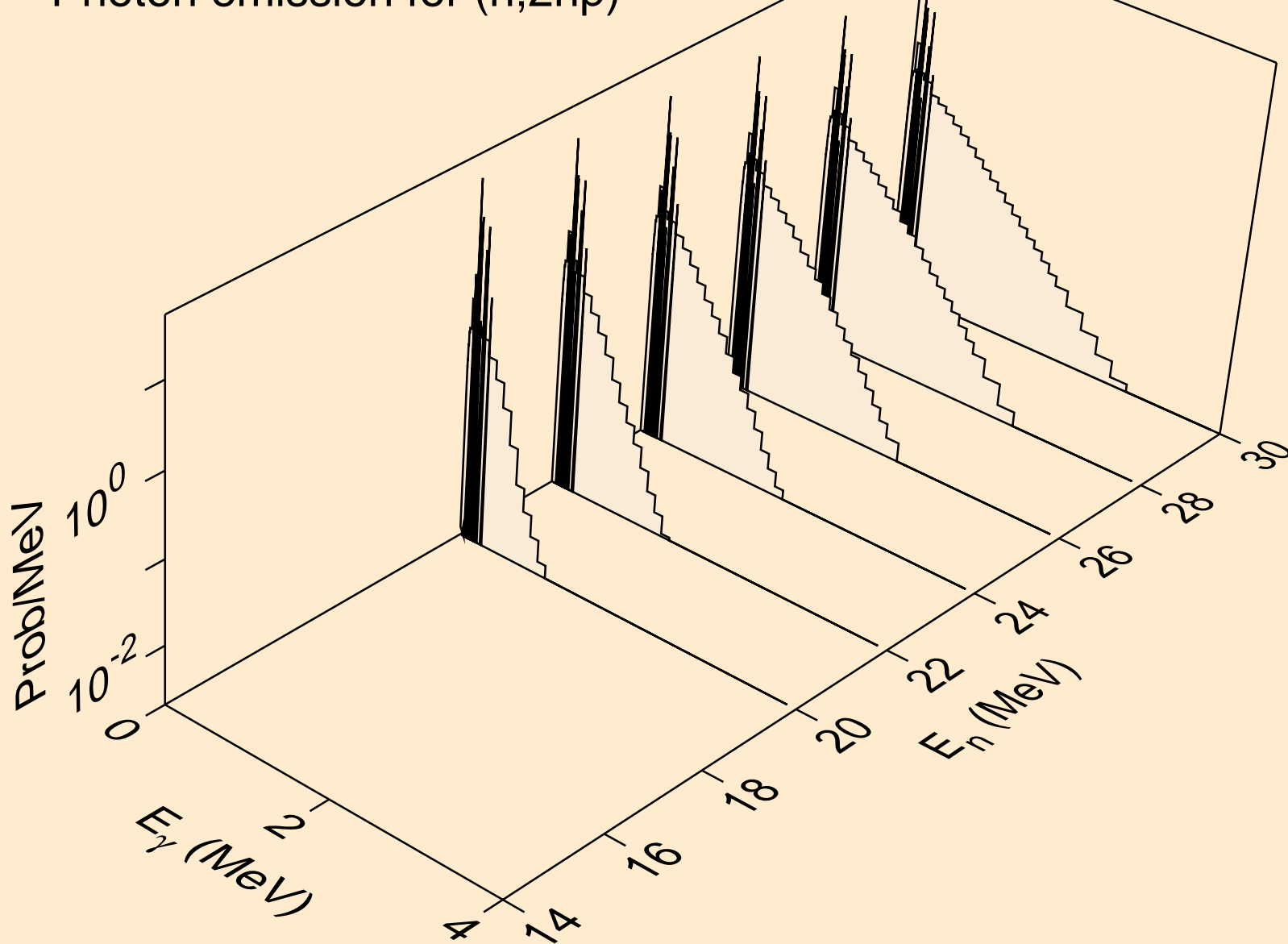
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



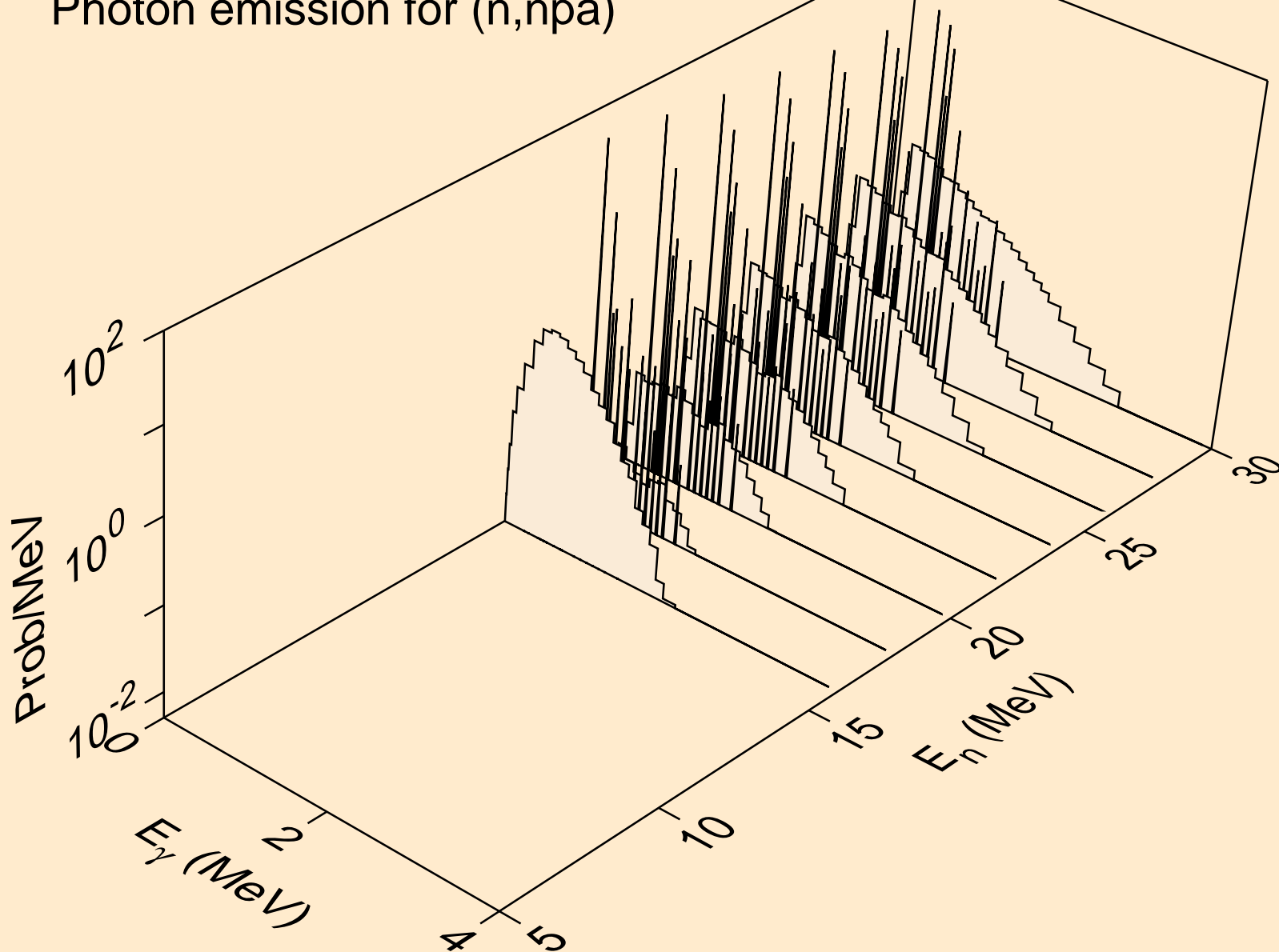
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,3np)



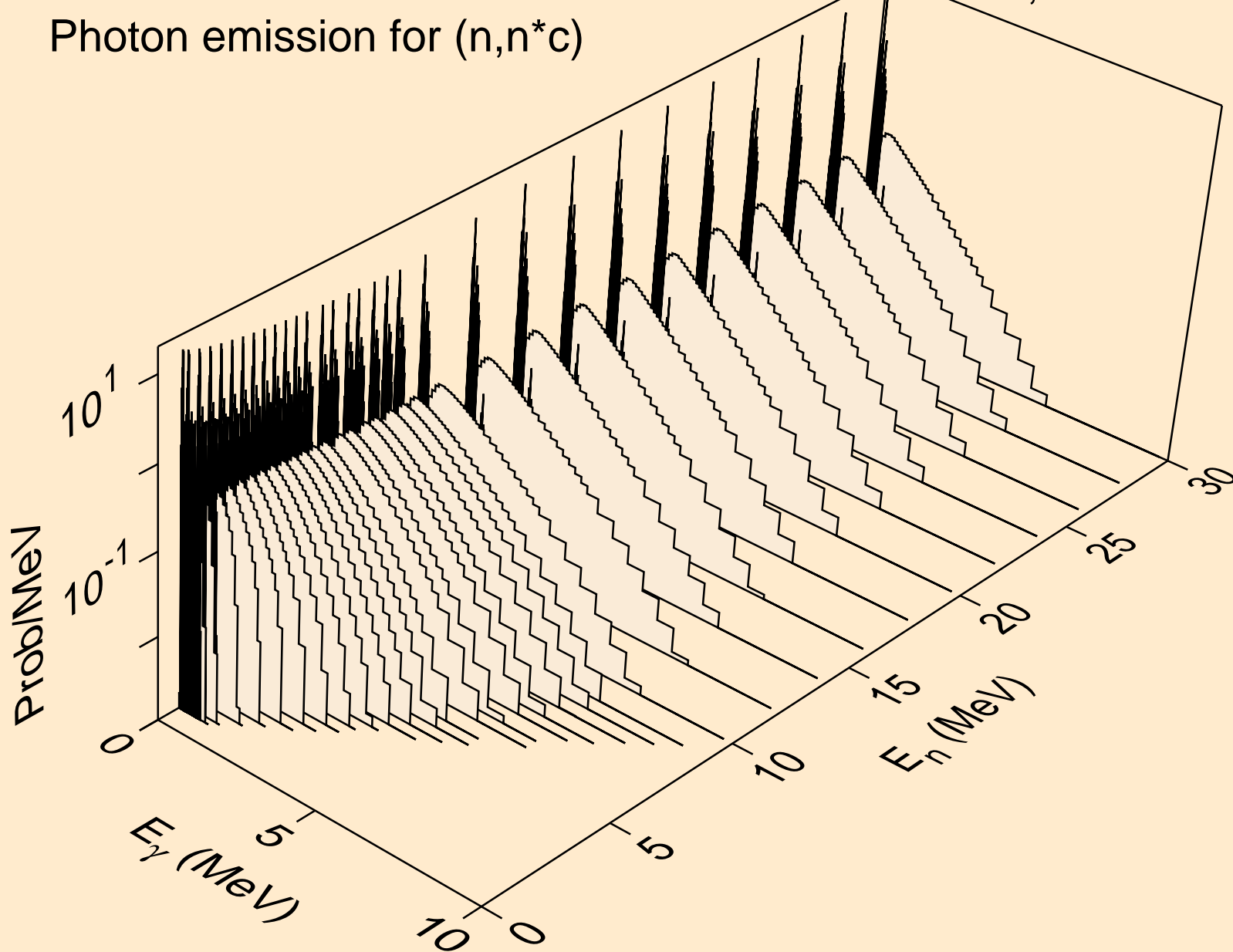
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2np)



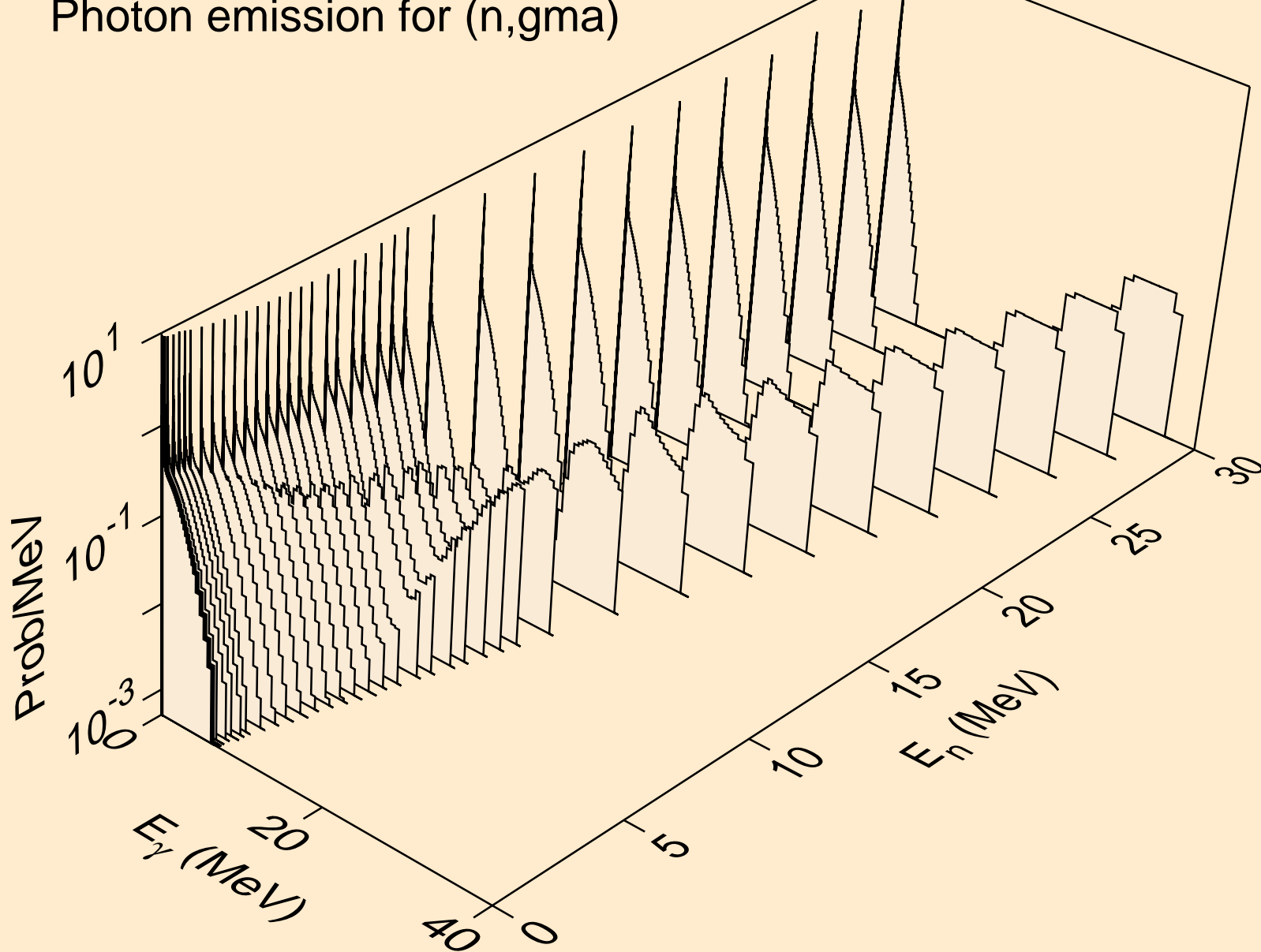
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,npa)



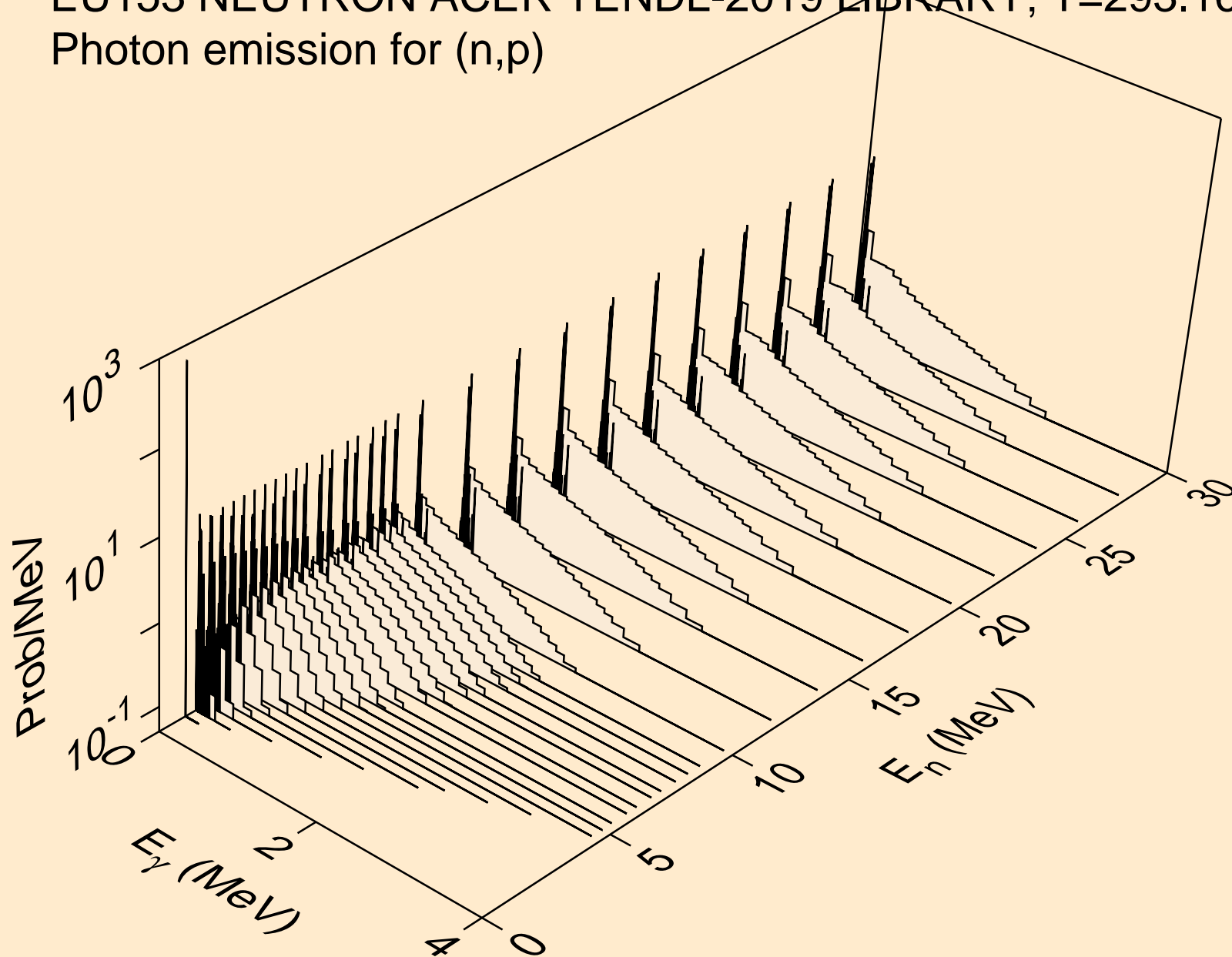
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,n*c)



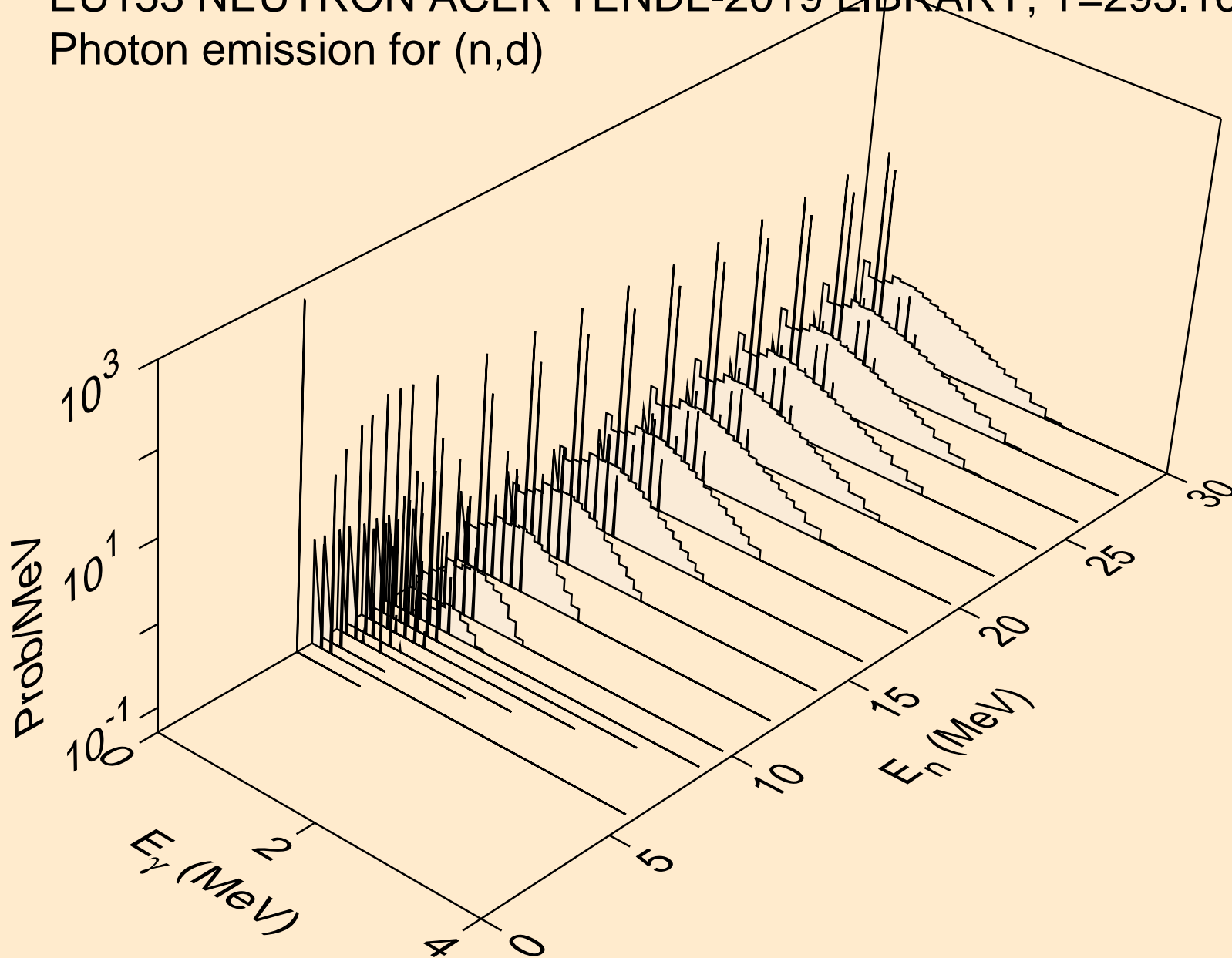
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,gma)



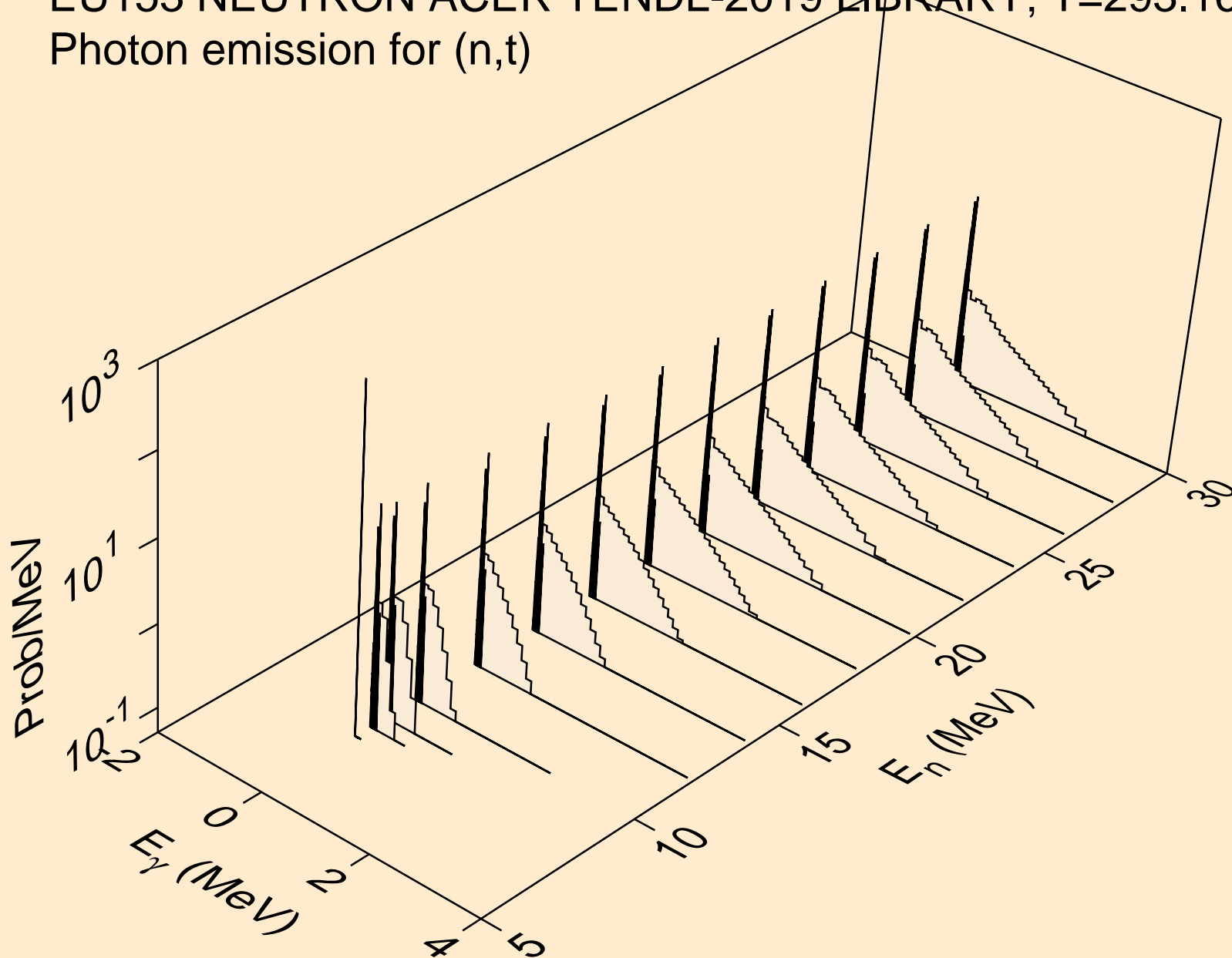
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p)



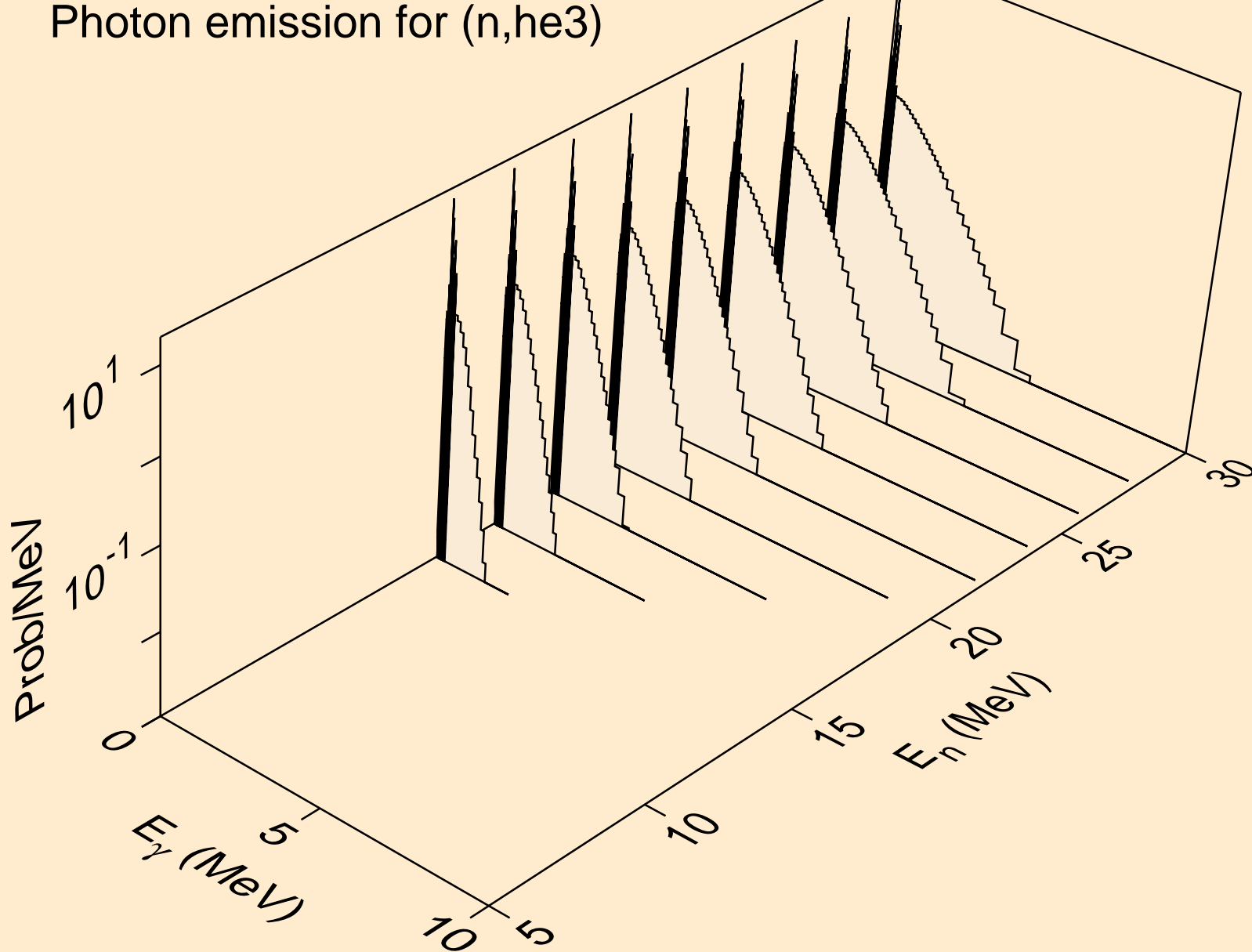
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,d)



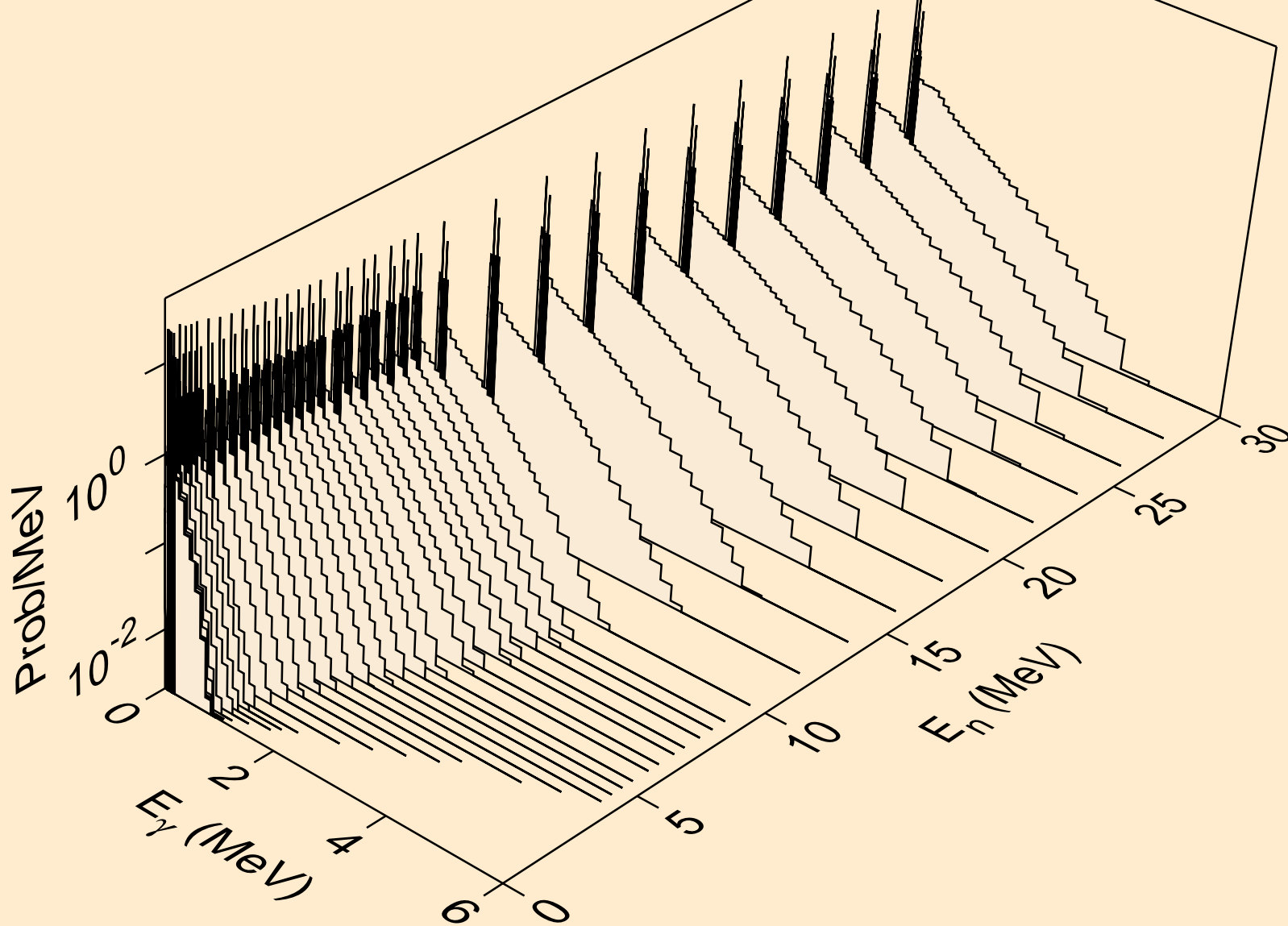
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,t)



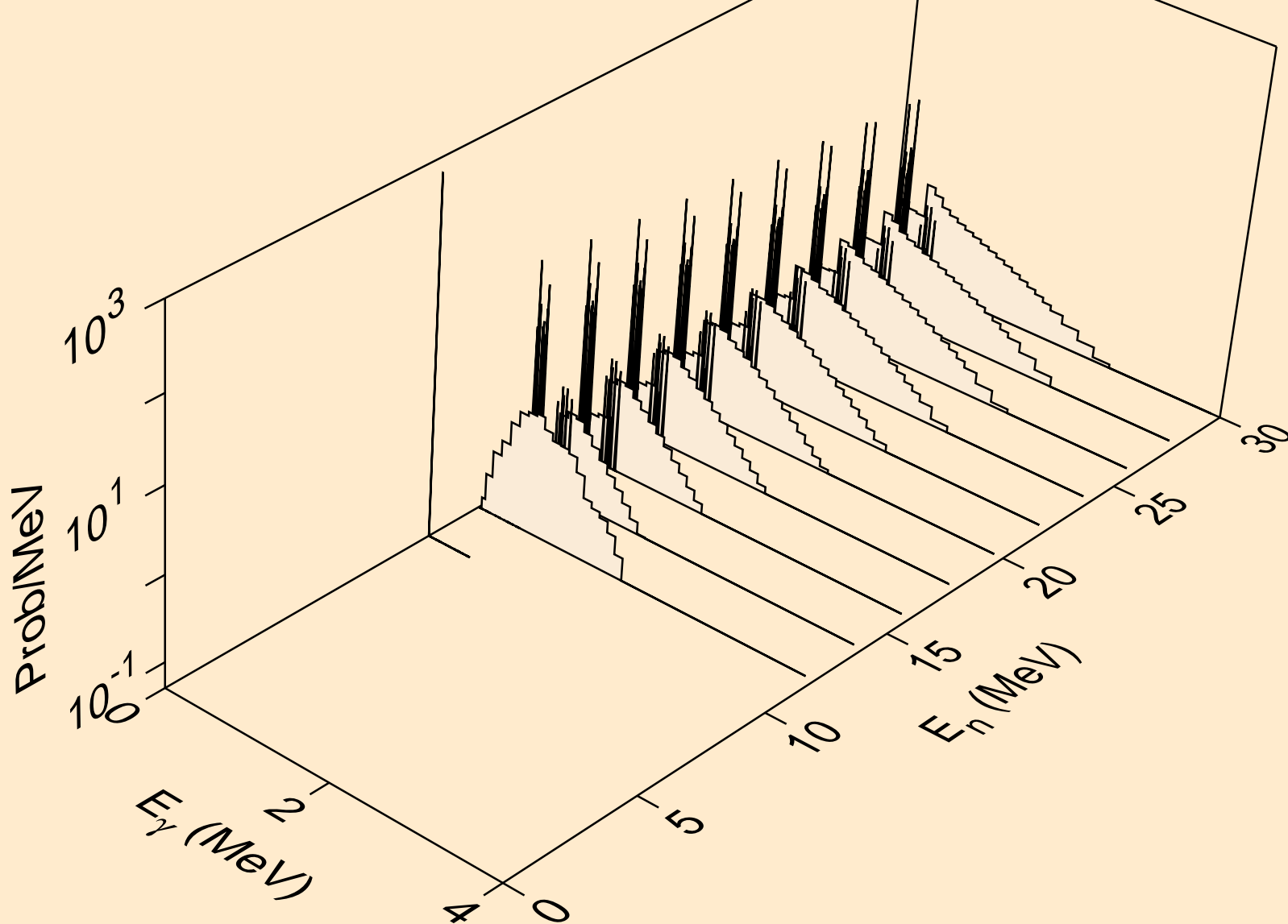
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,he3)



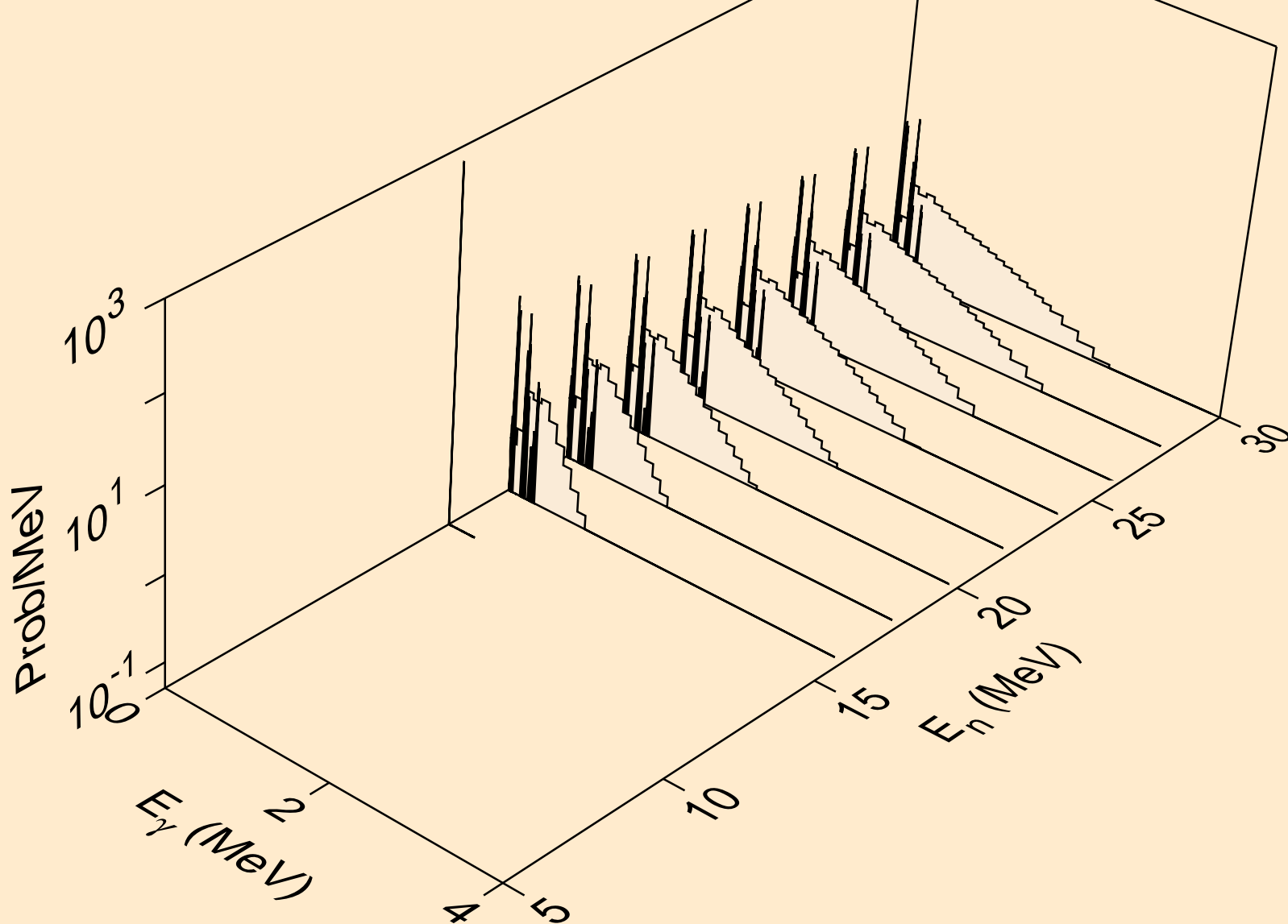
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,a)



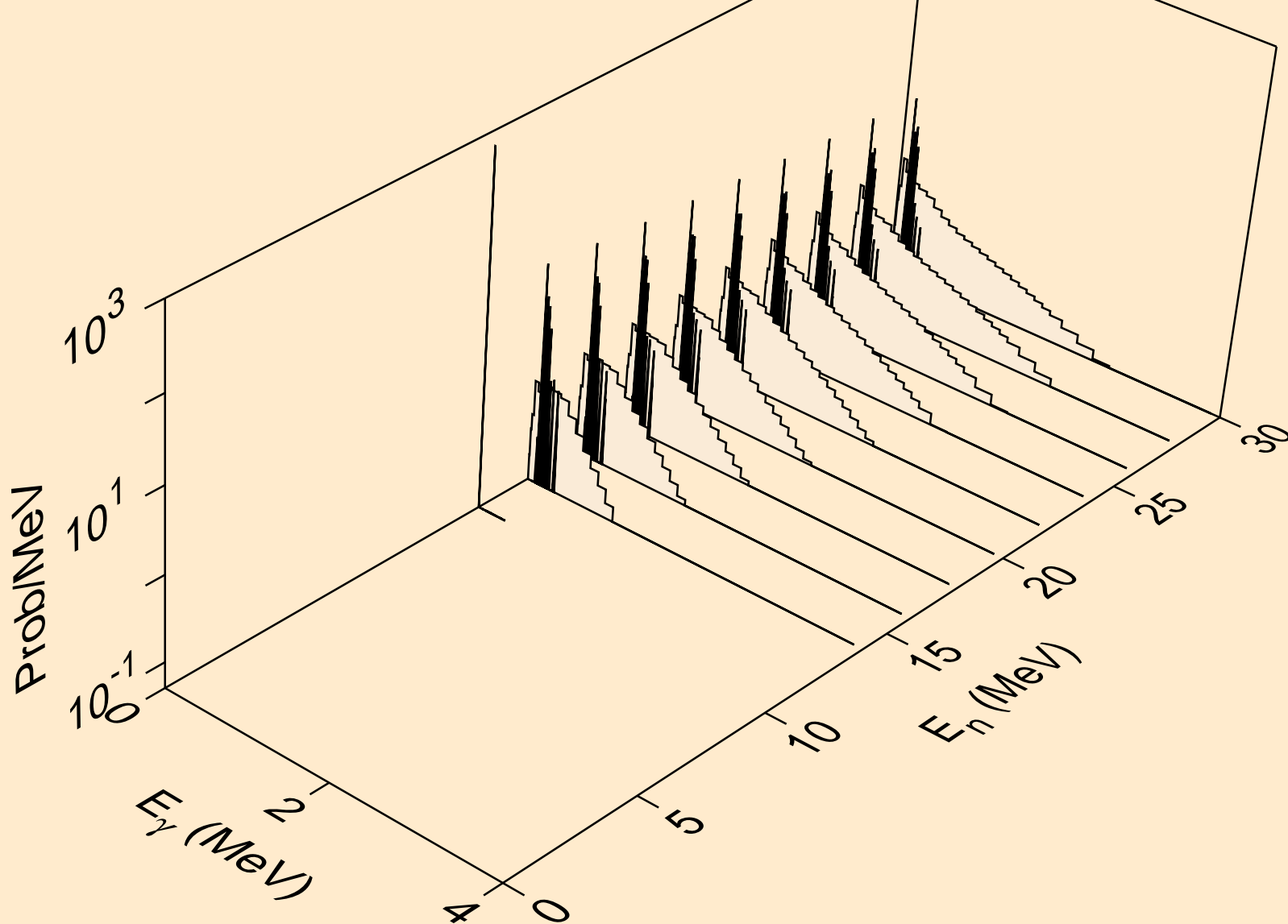
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2a)



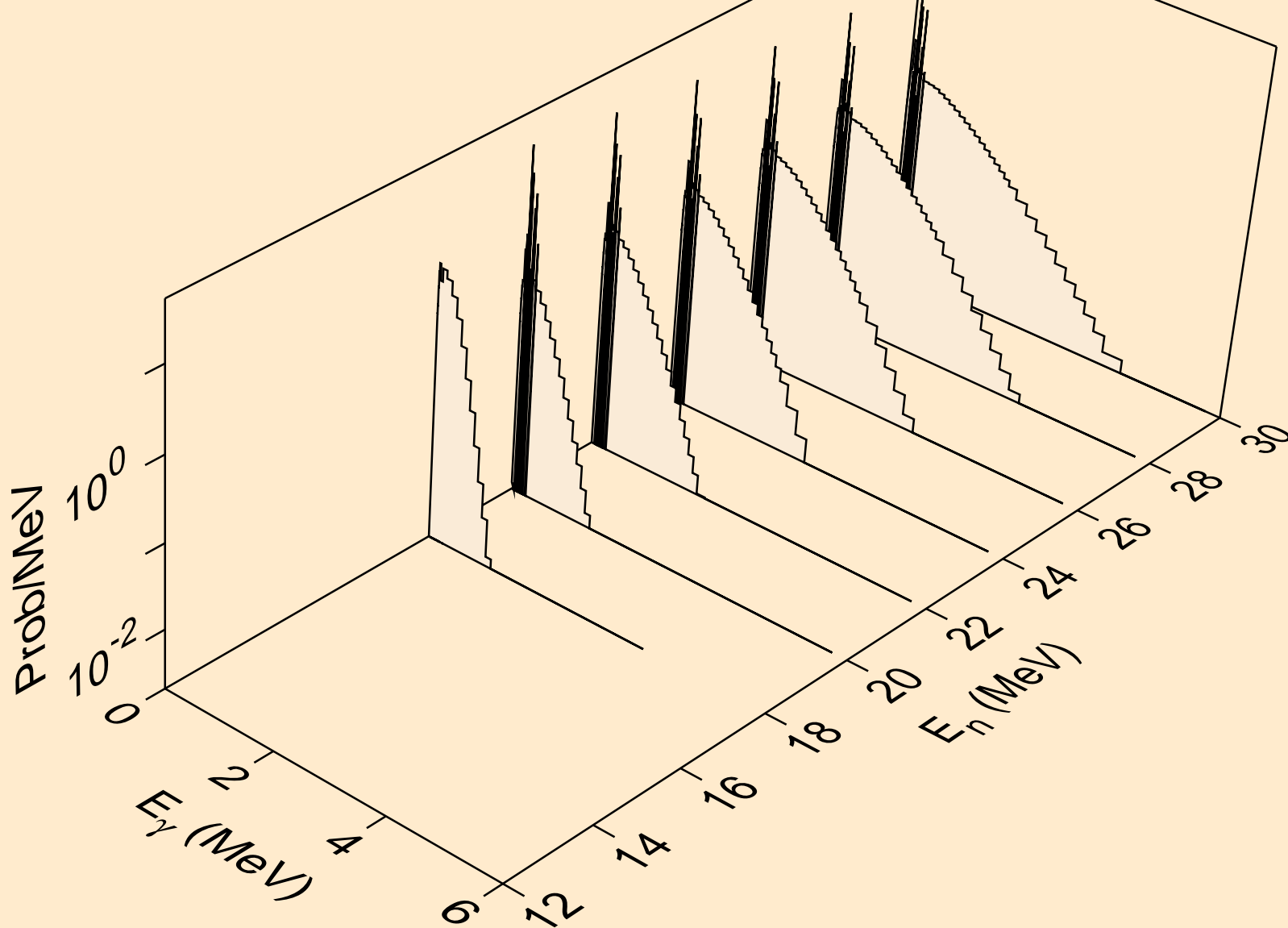
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,2p)



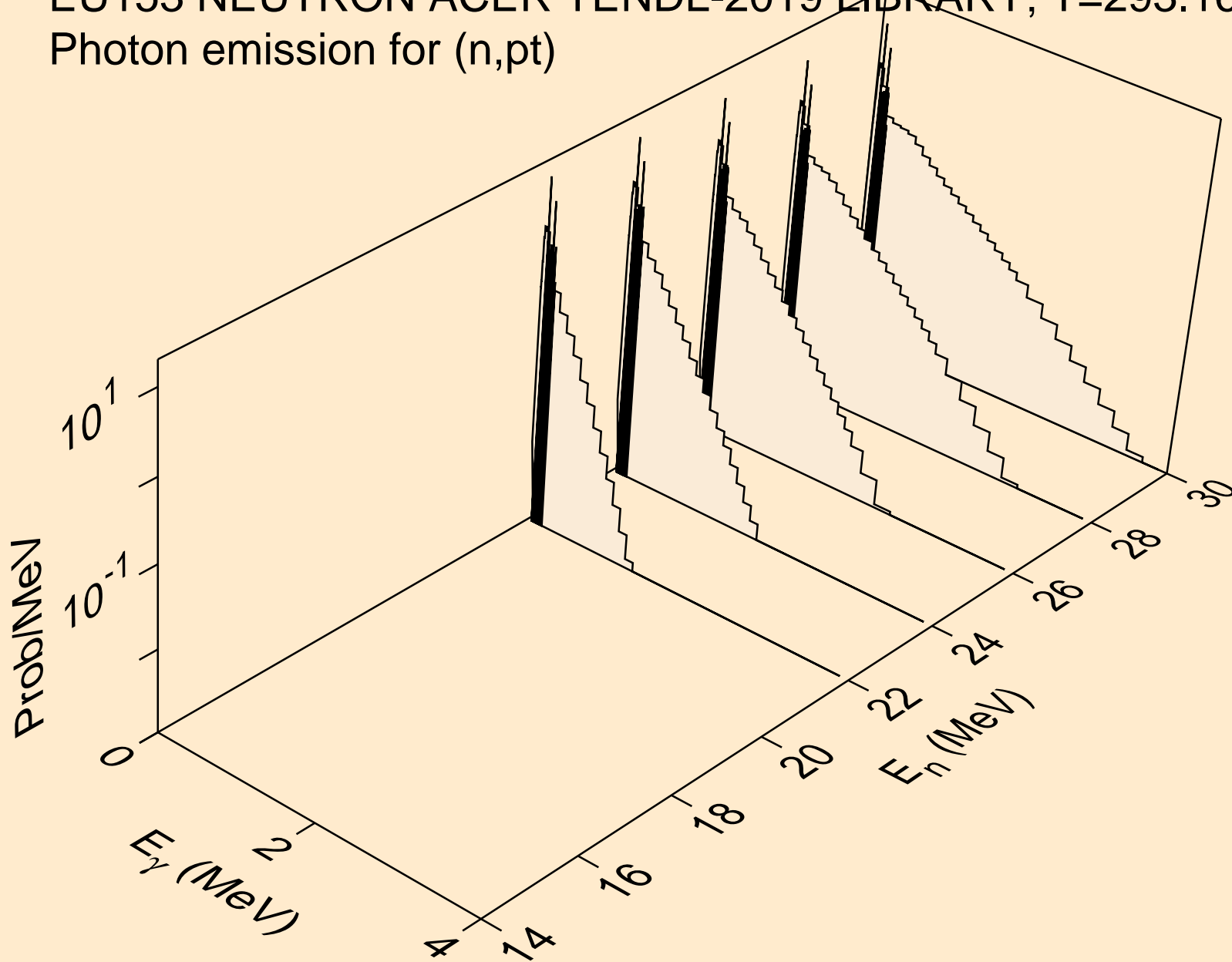
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,p α)



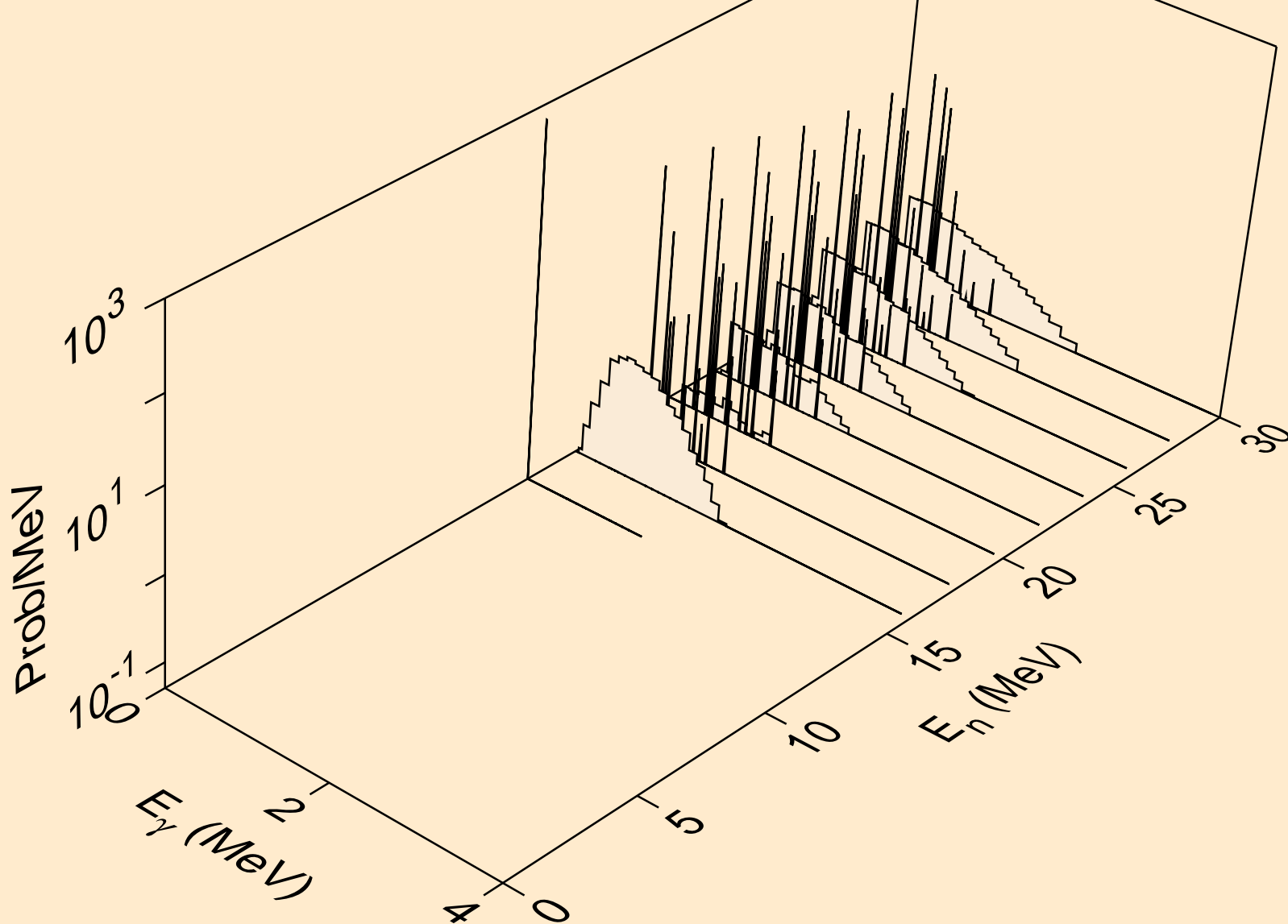
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pd)



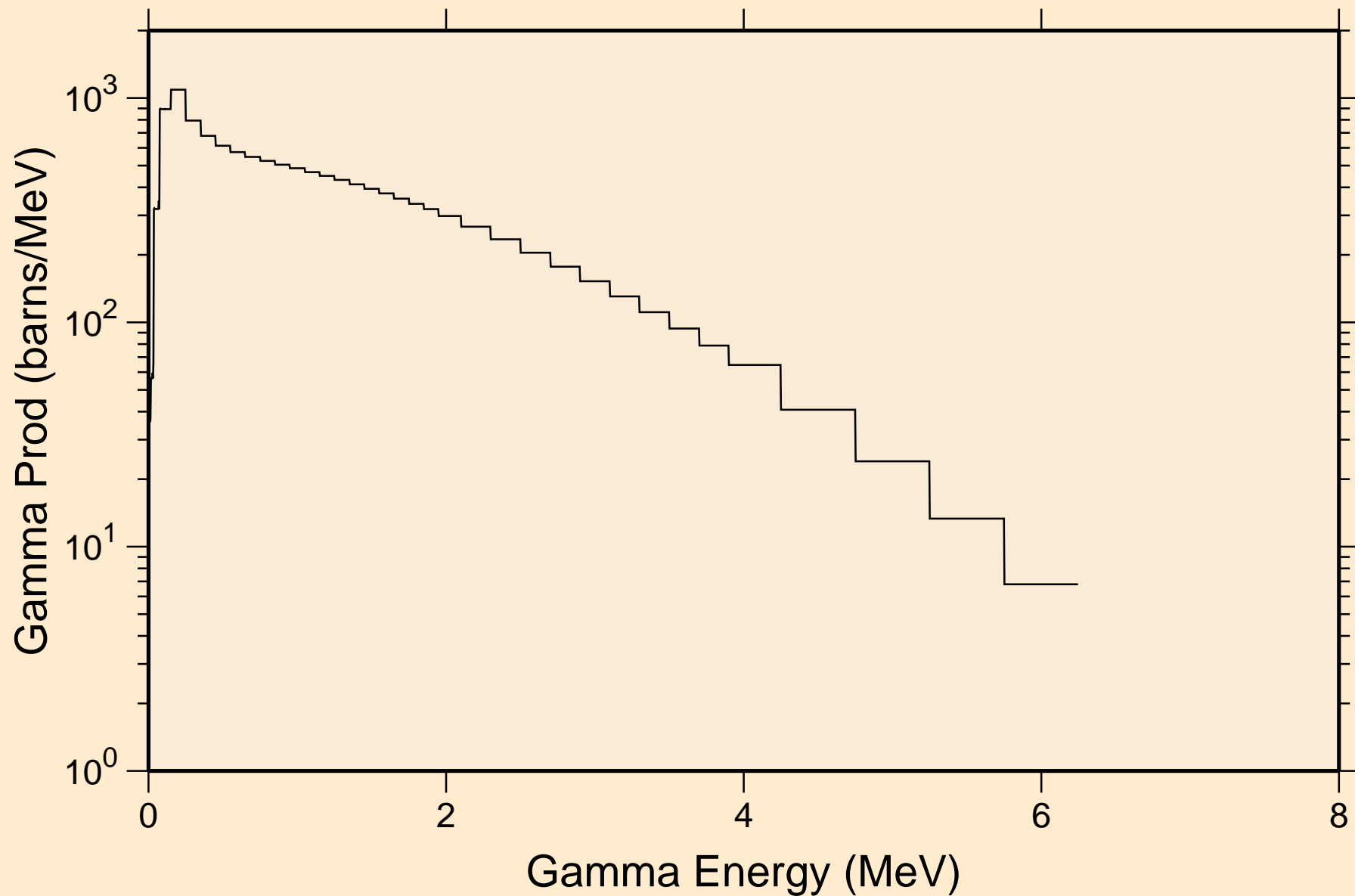
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,pt)



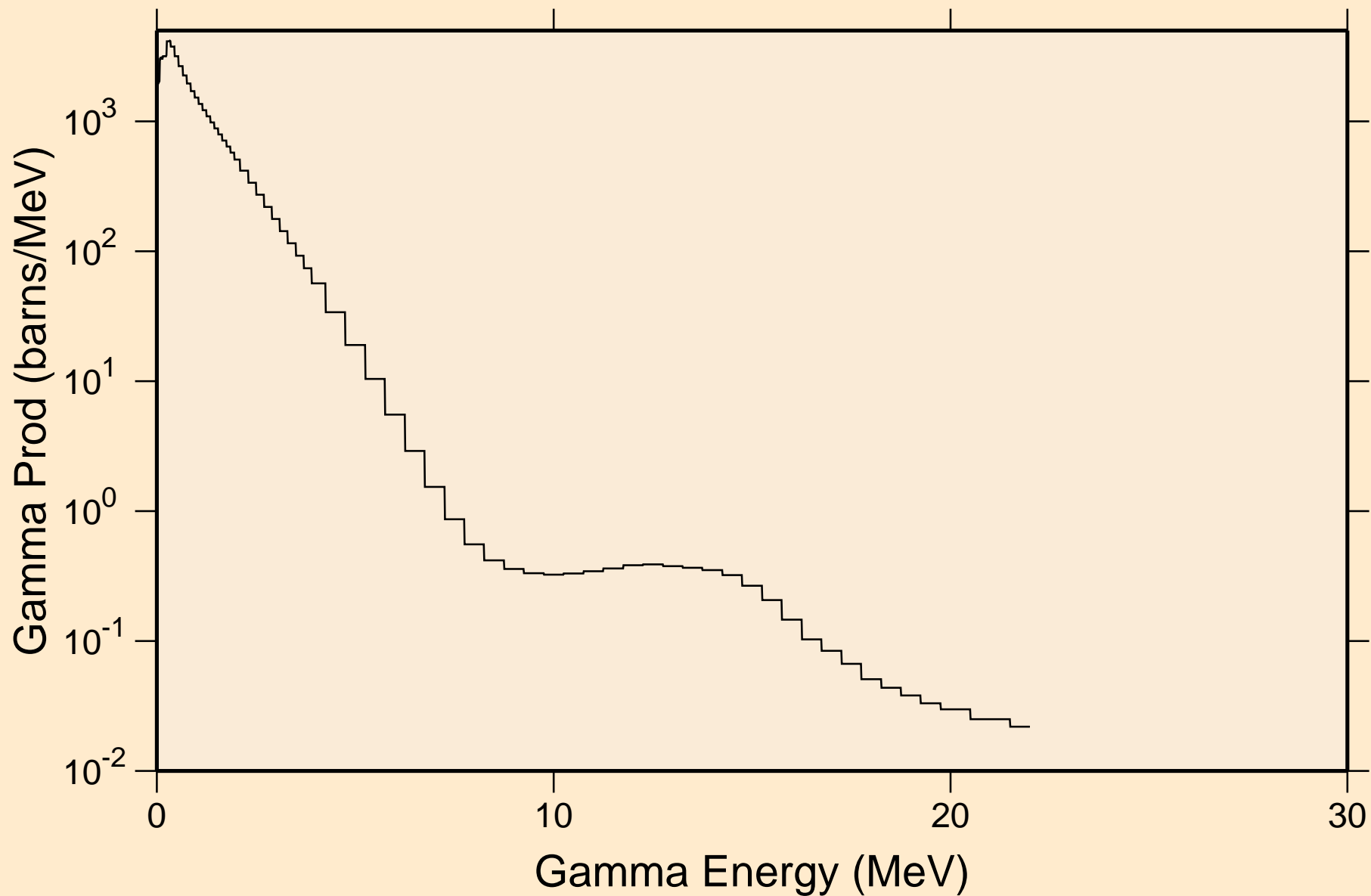
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Photon emission for (n,da)



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
thermal capture photon spectrum

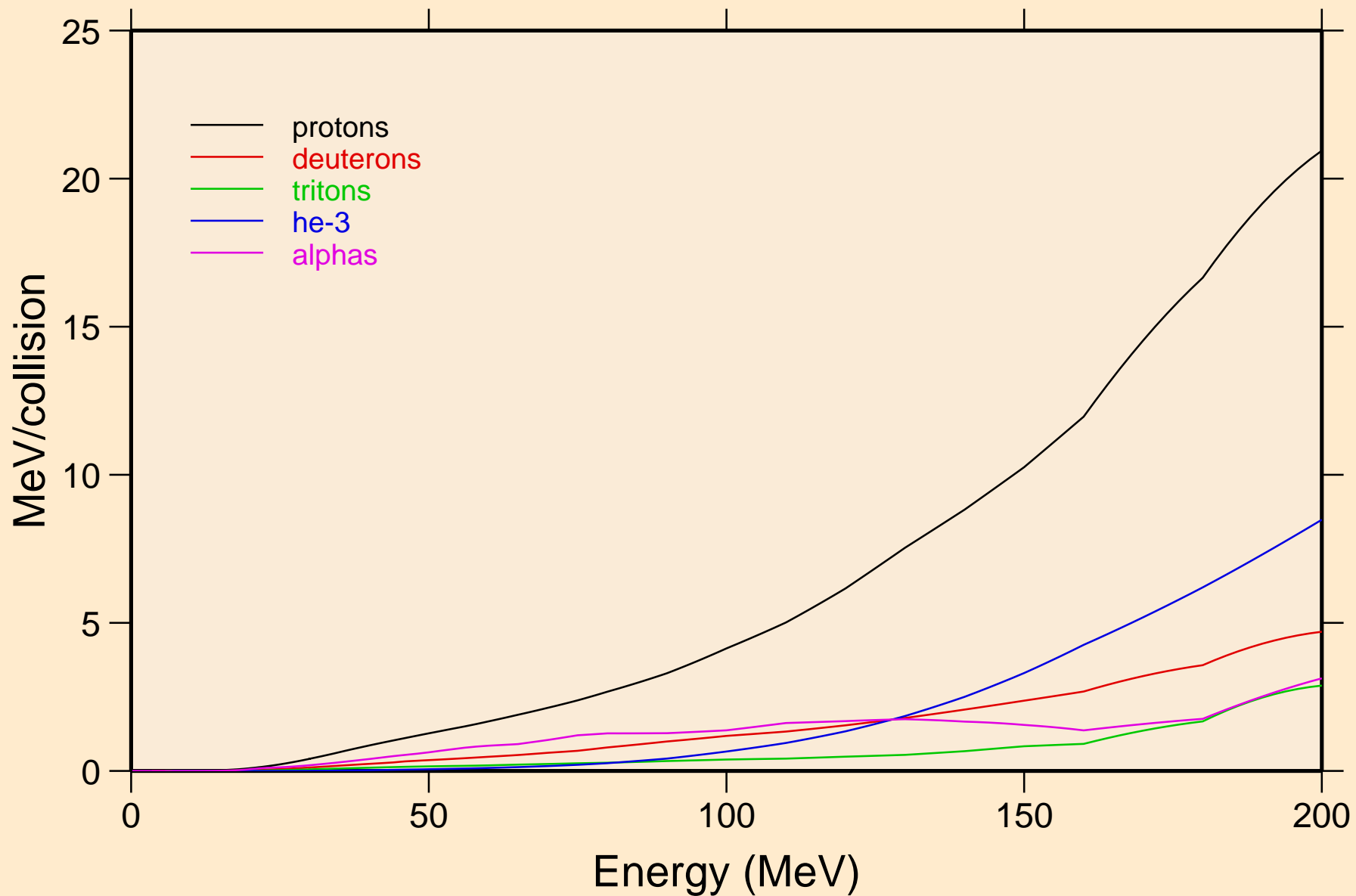


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
14 MeV photon spectrum



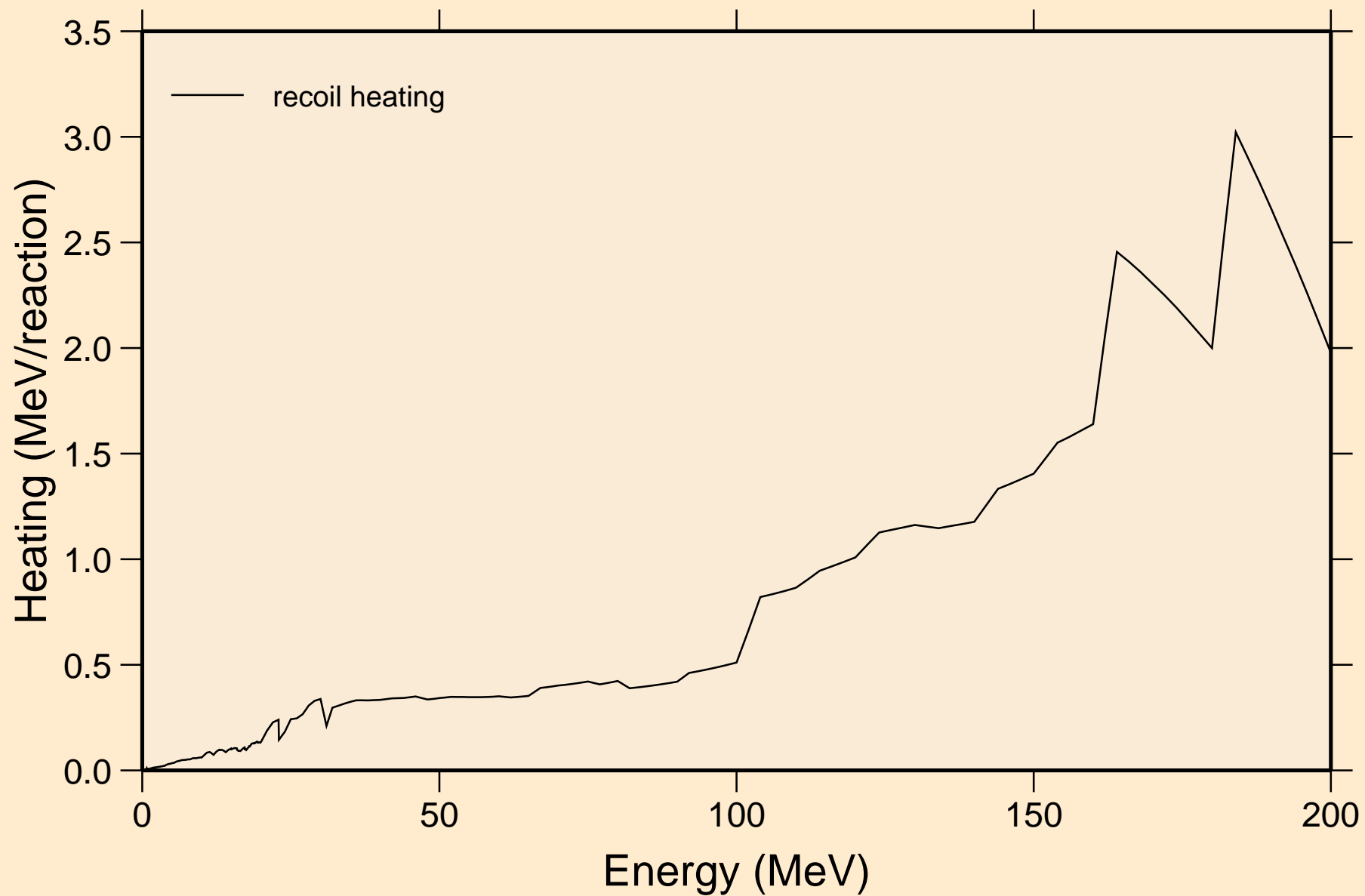
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Particle heating contributions

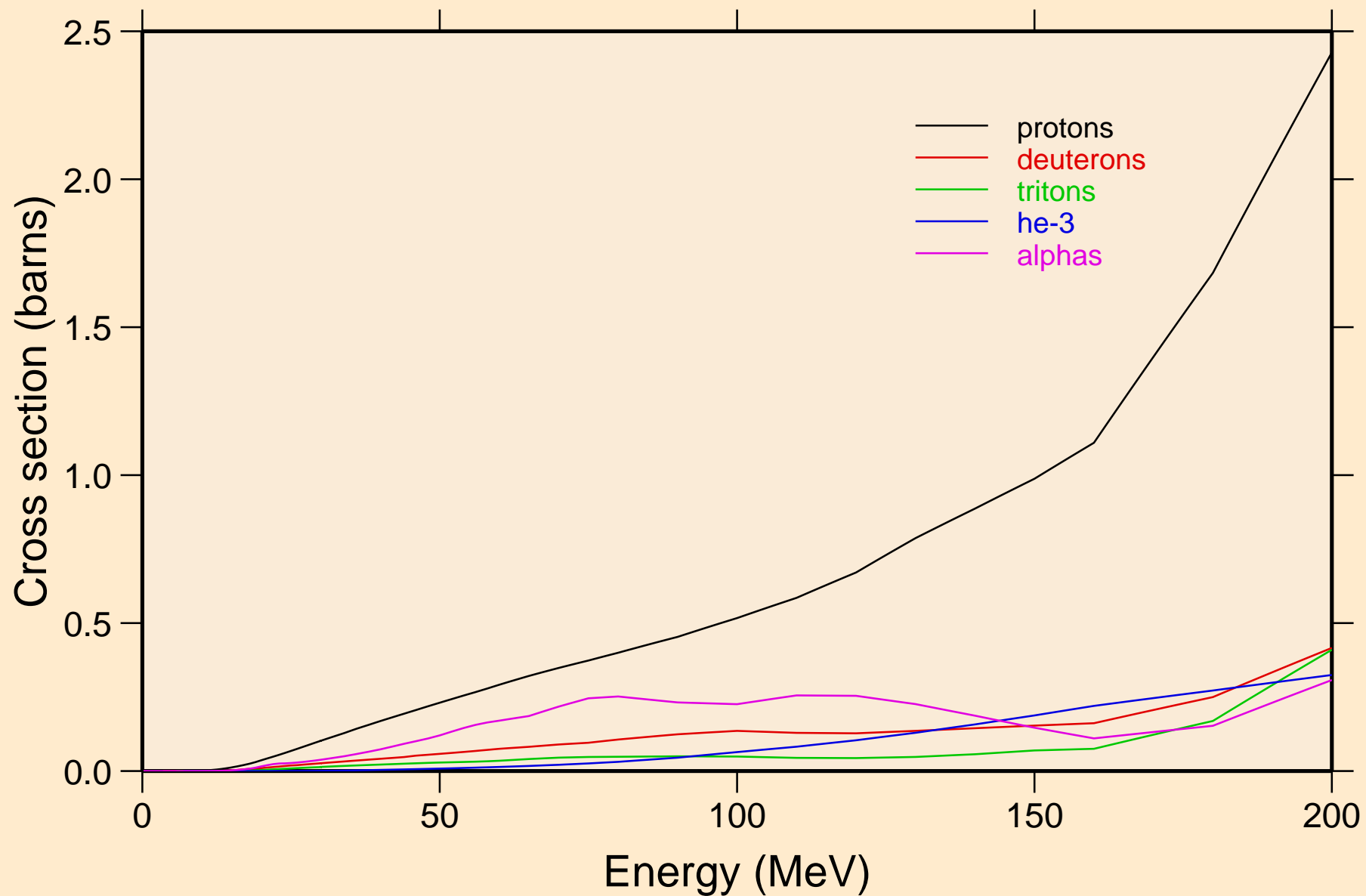


EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

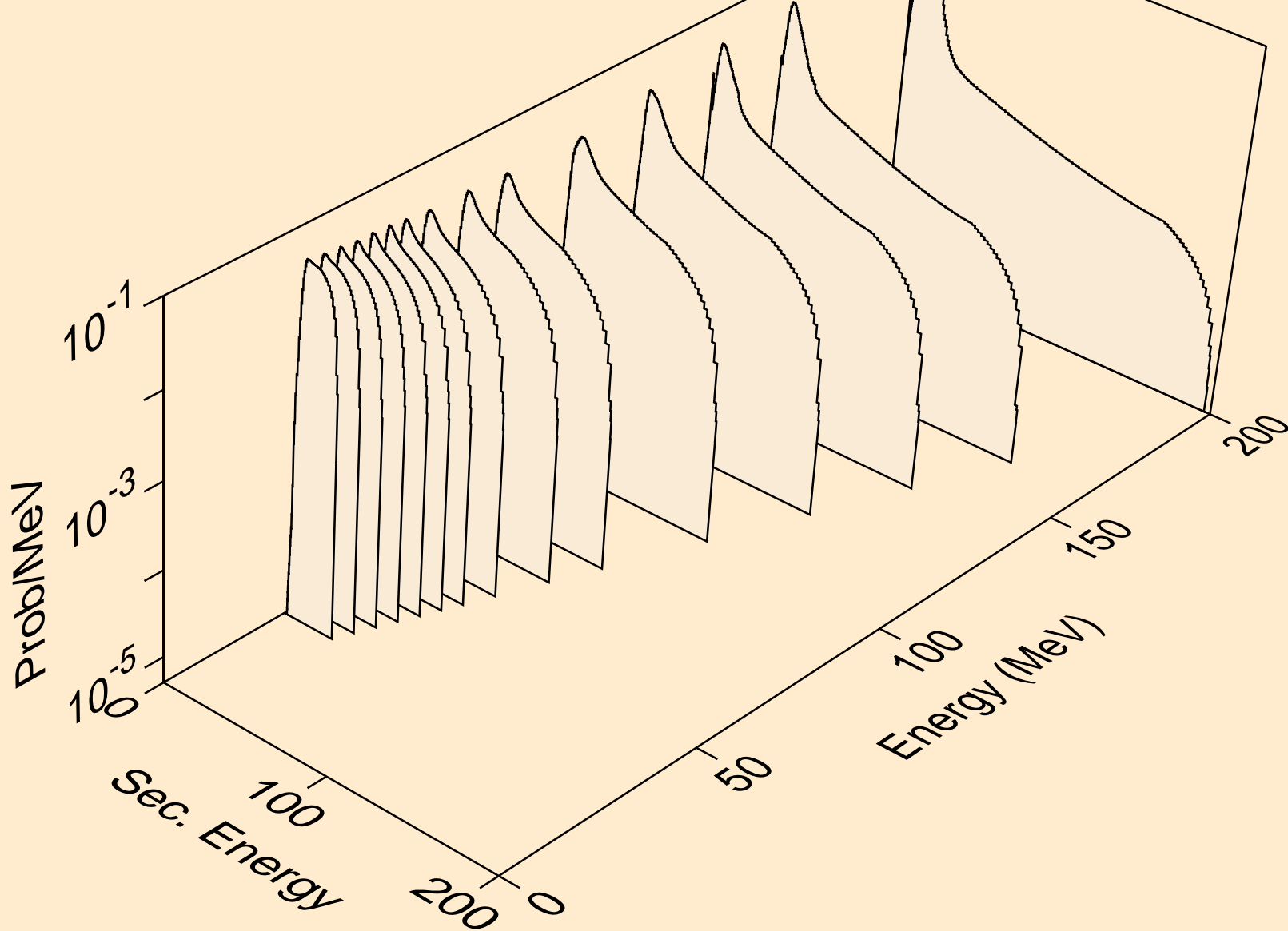
Recoil Heating



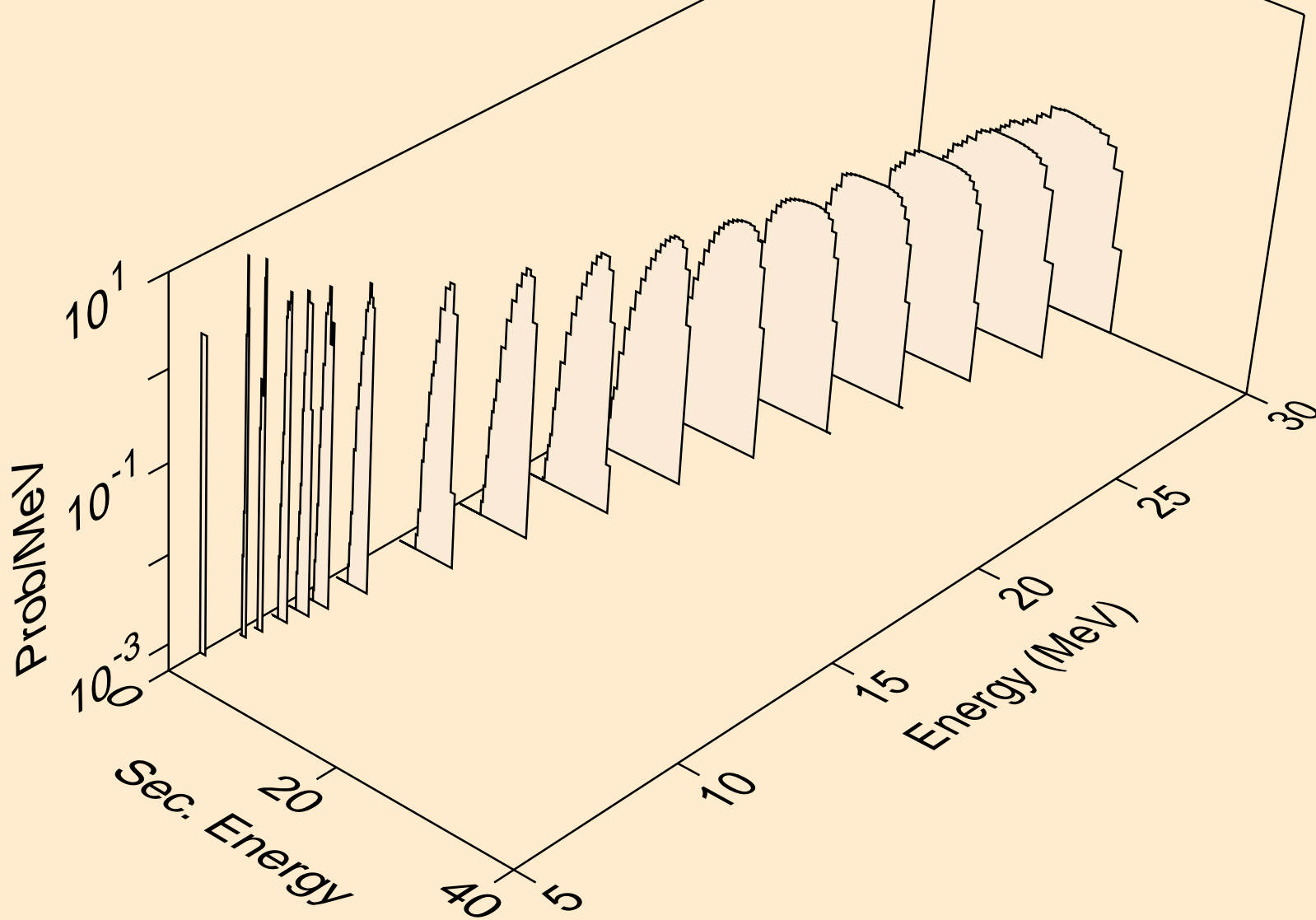
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
Particle production cross sections



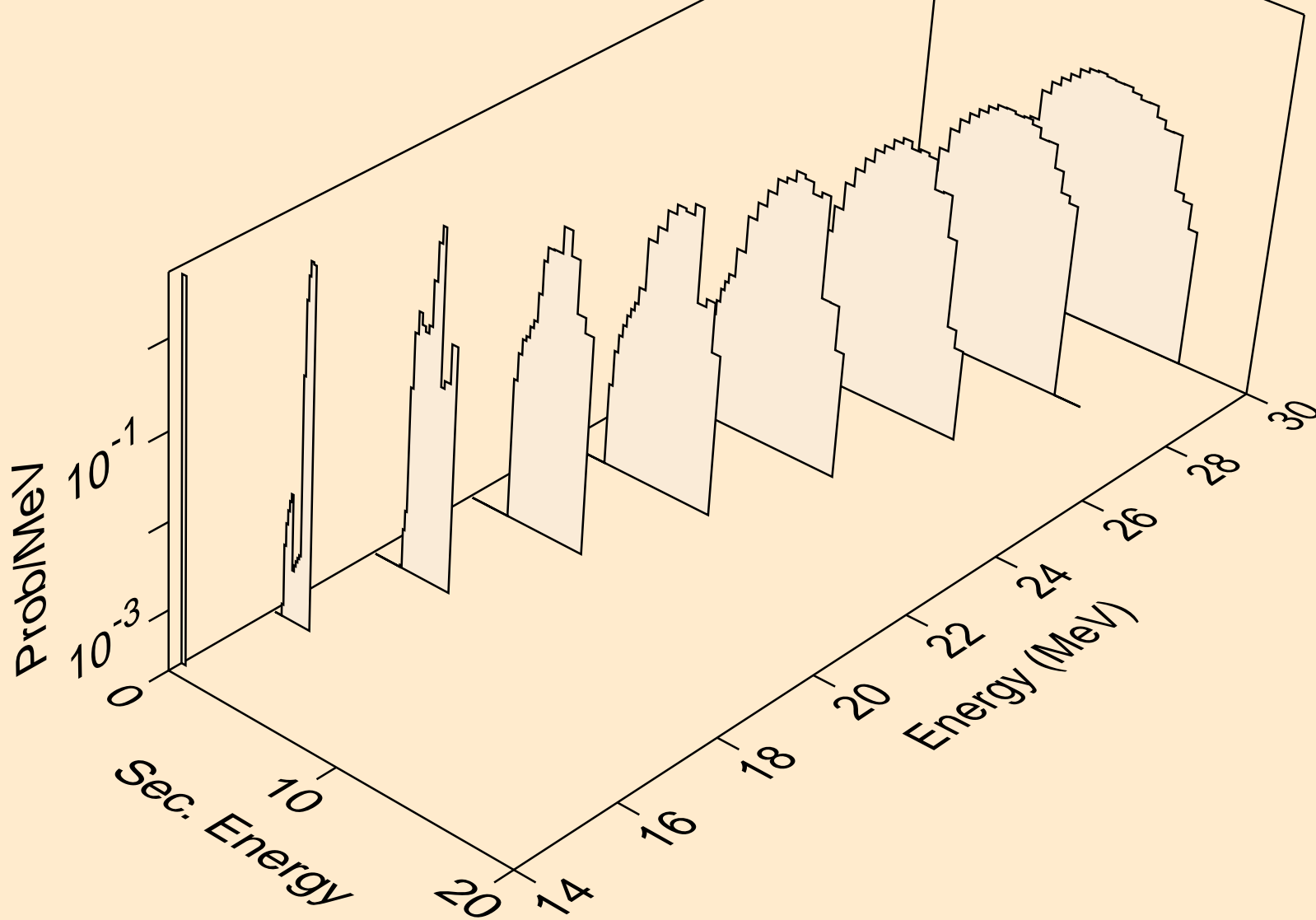
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,x)



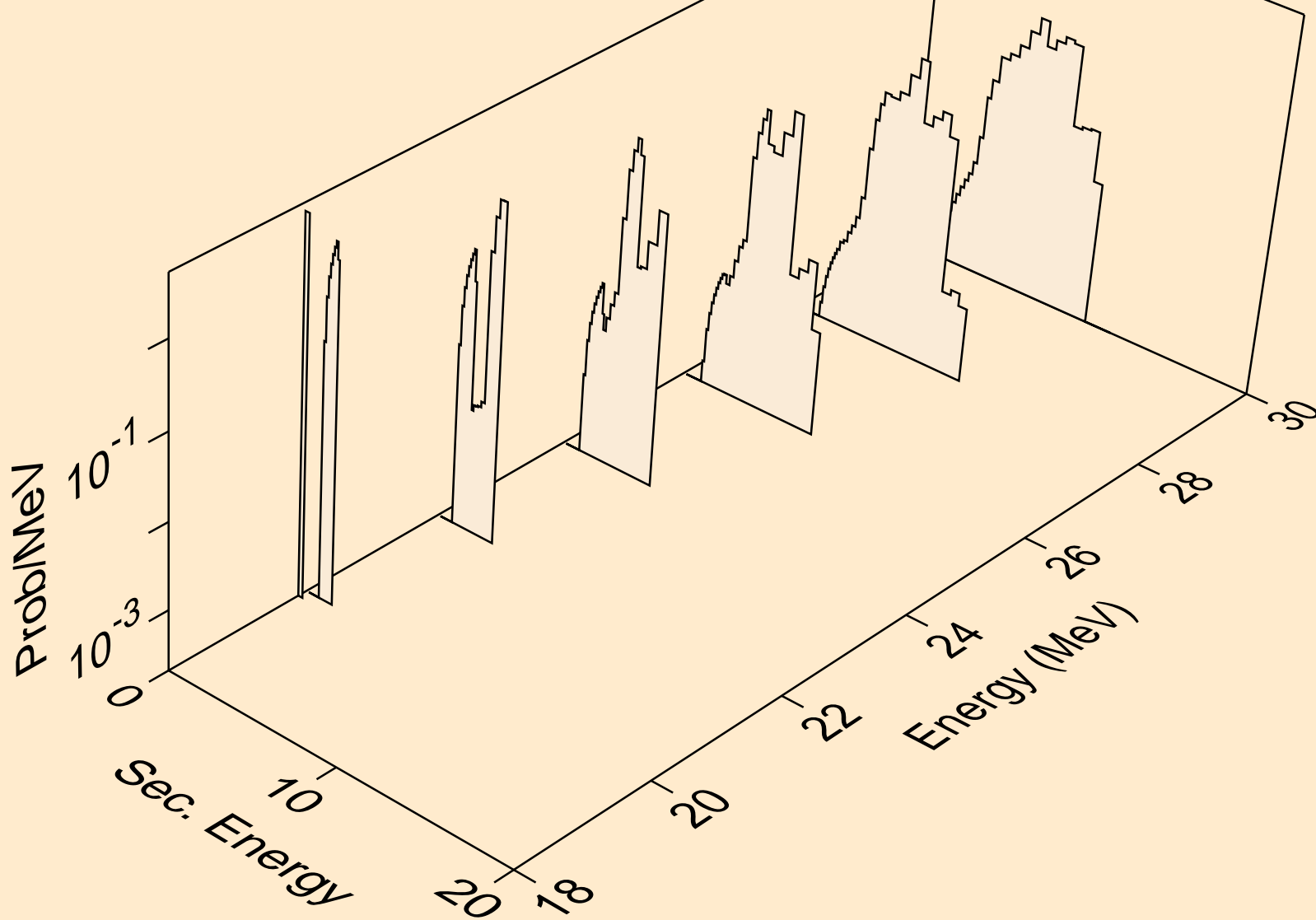
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,n*)p



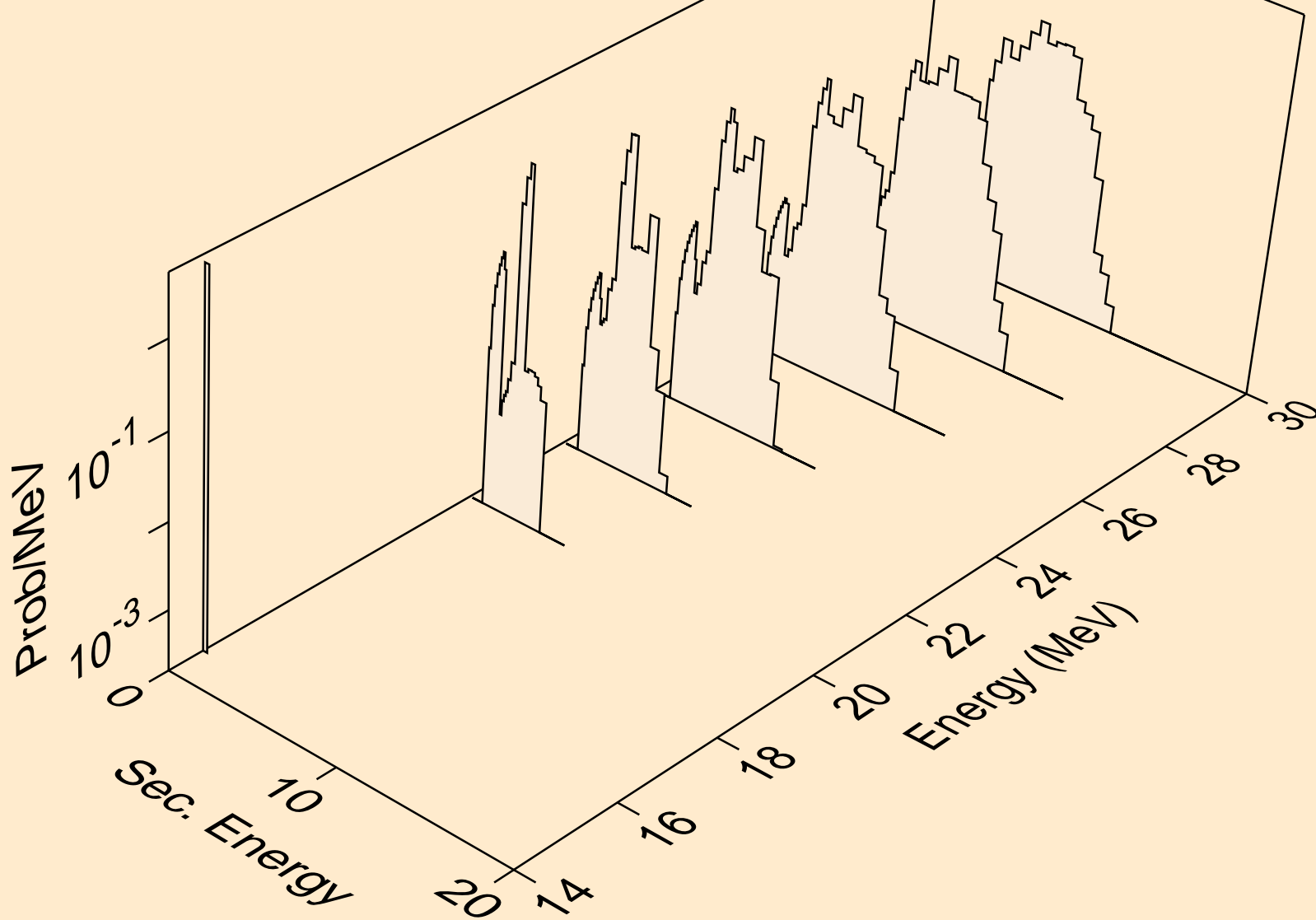
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



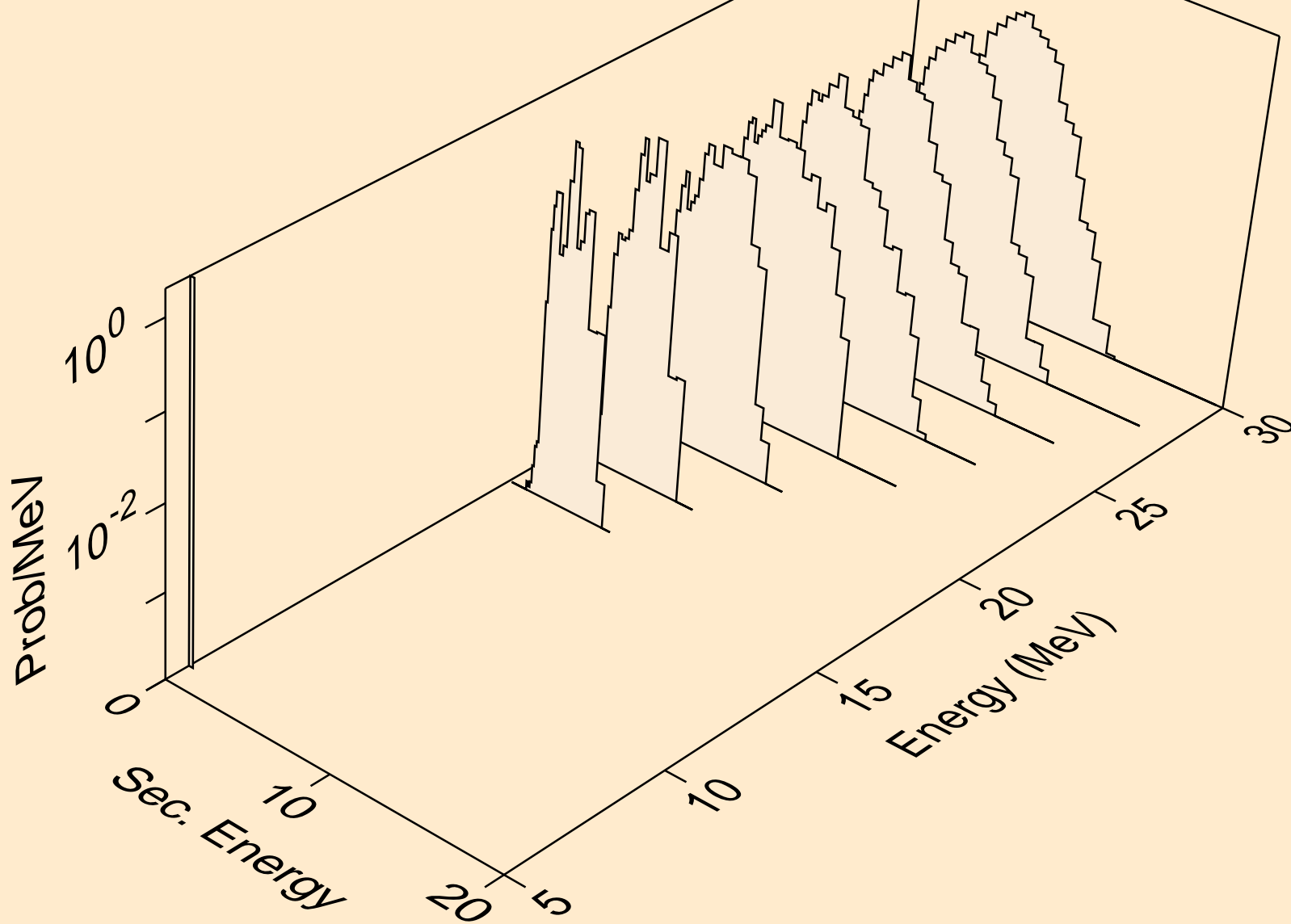
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,3np)



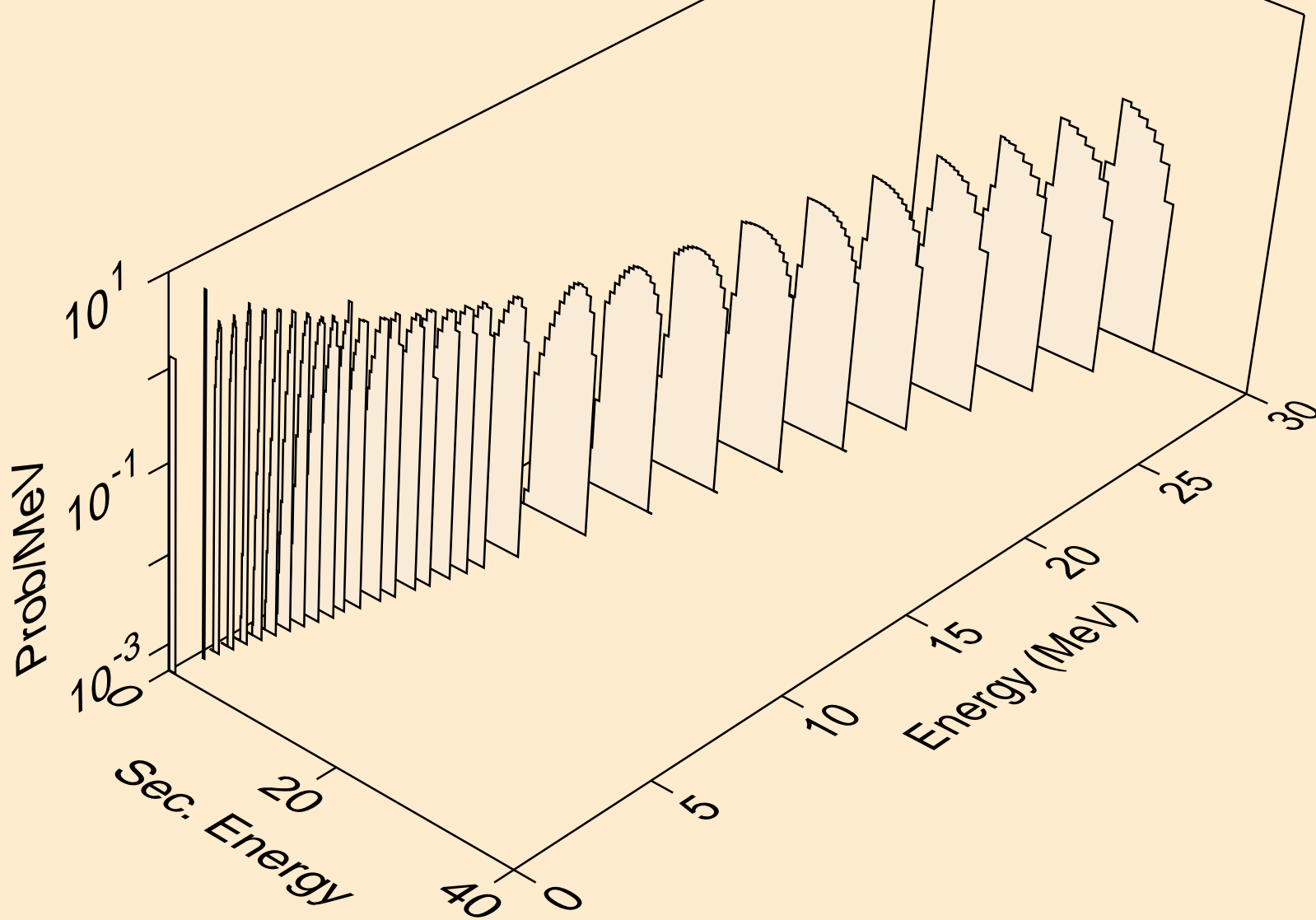
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2np)



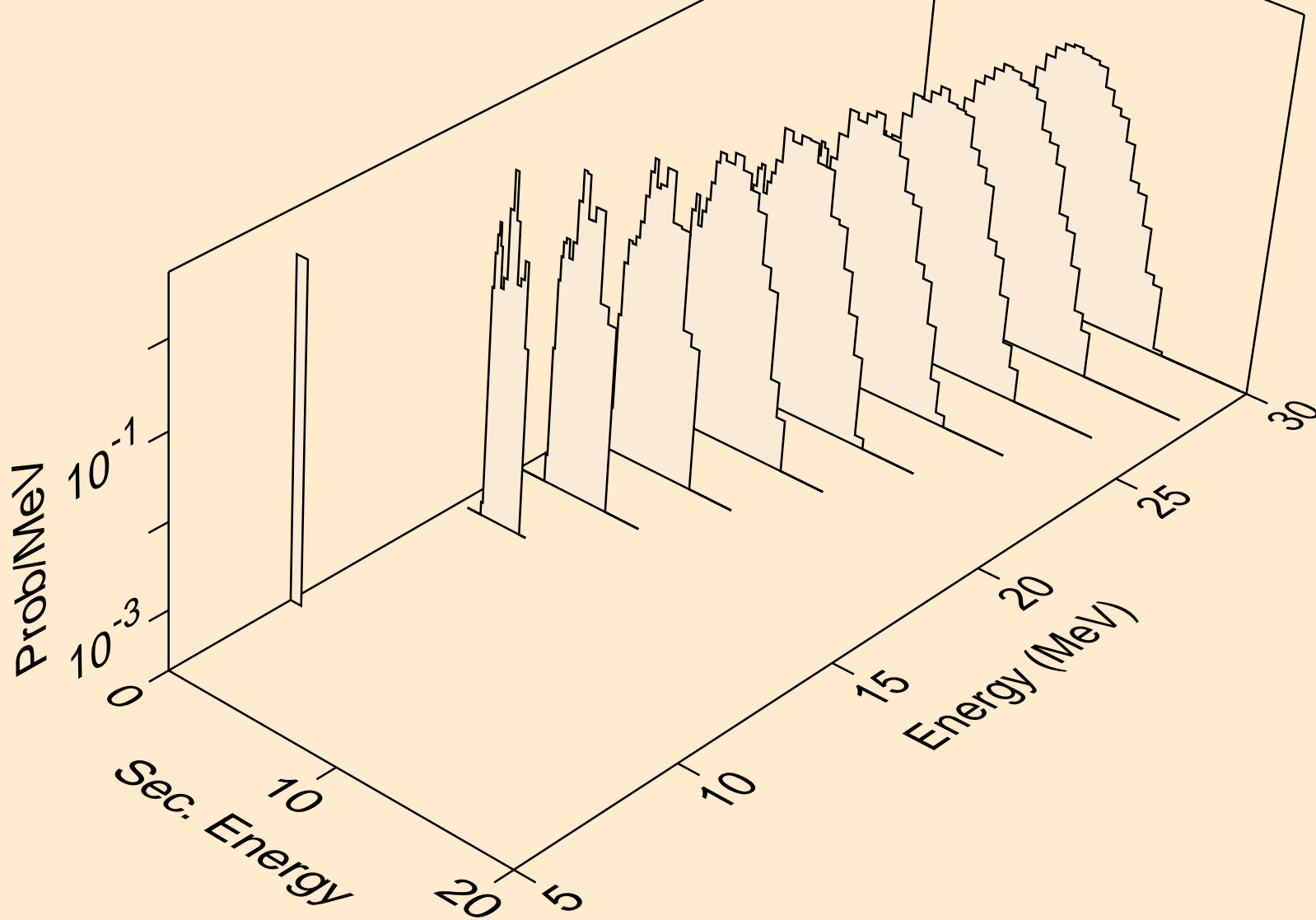
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,npa)



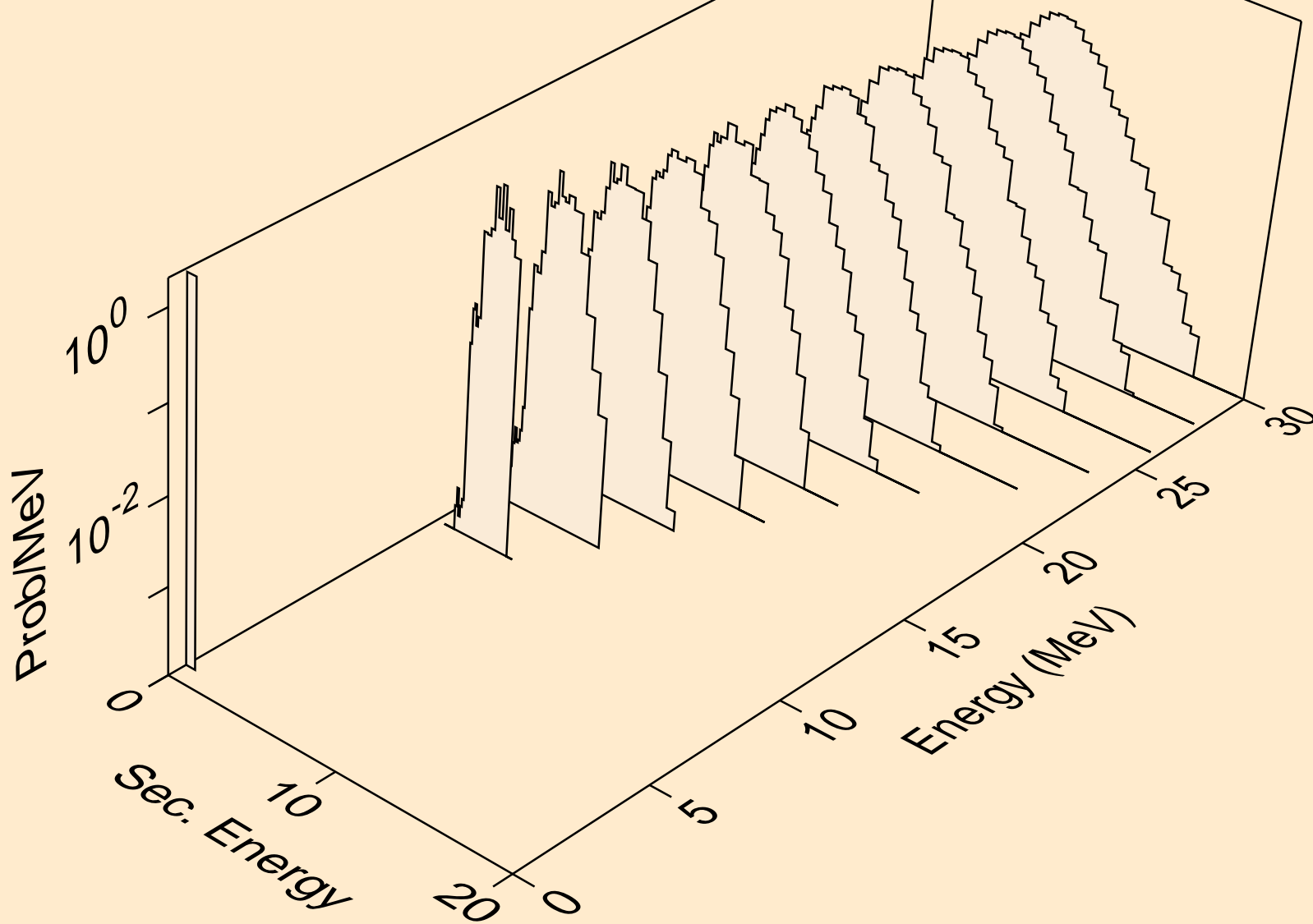
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



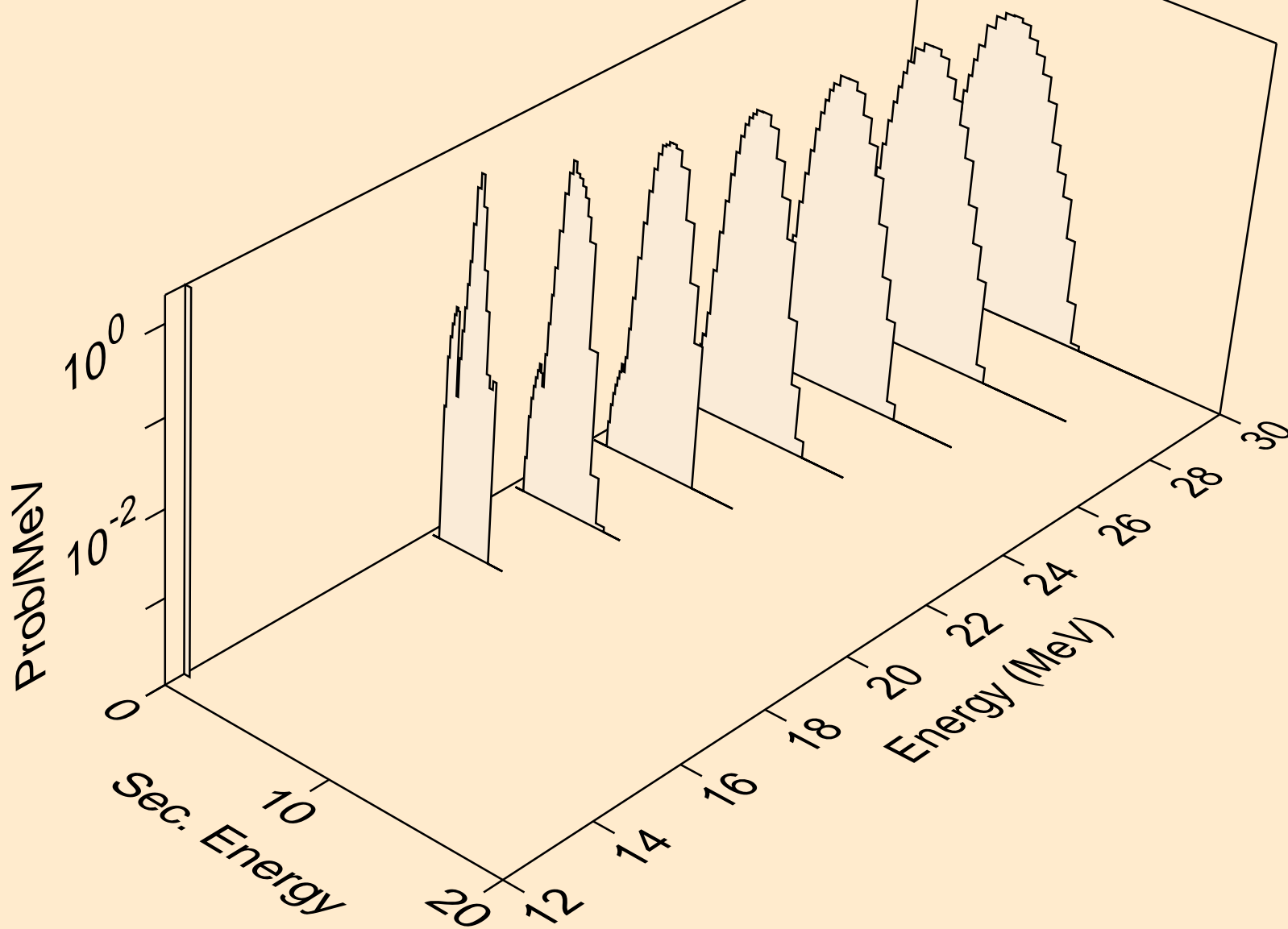
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,2p)



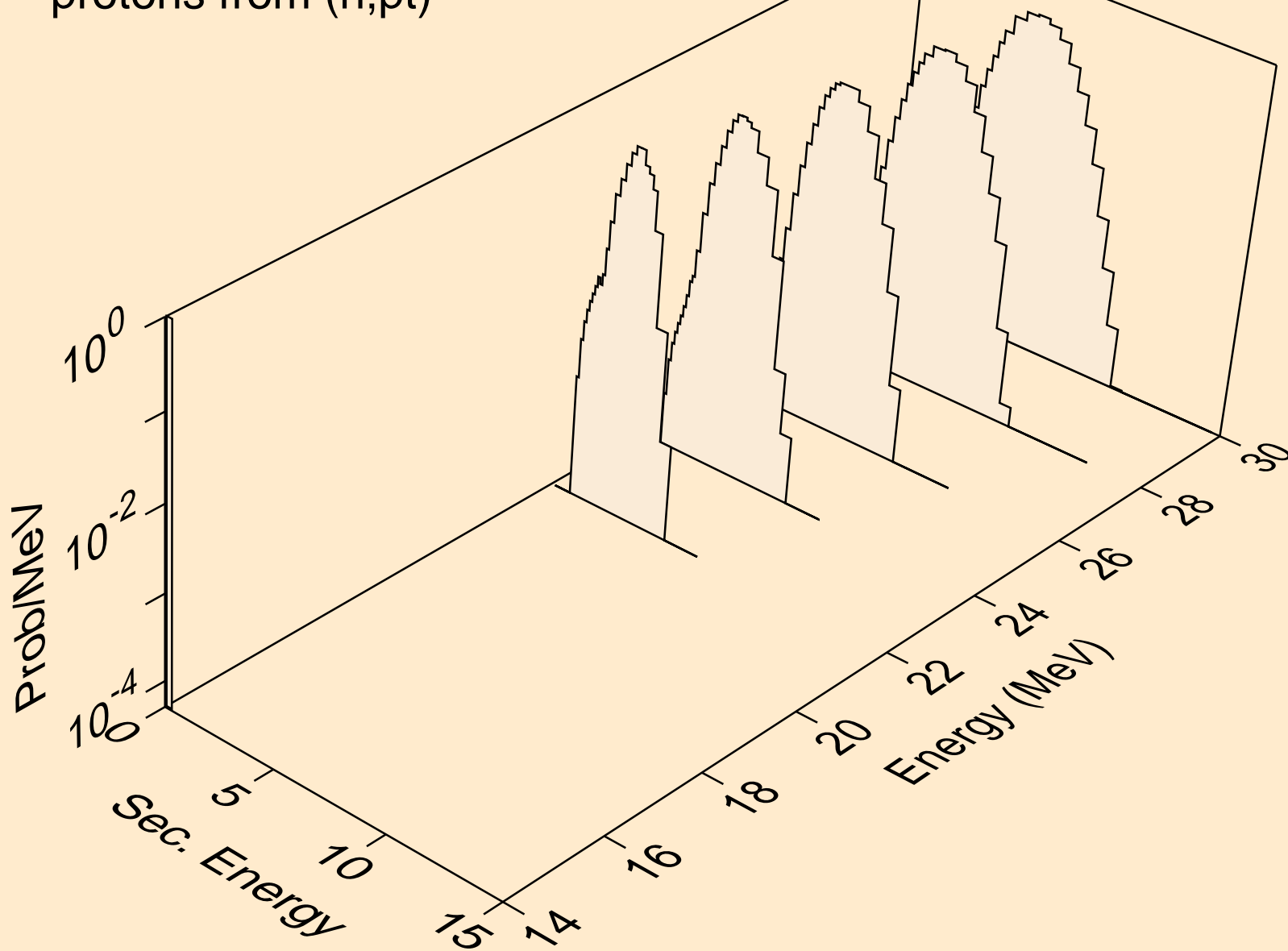
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,p)



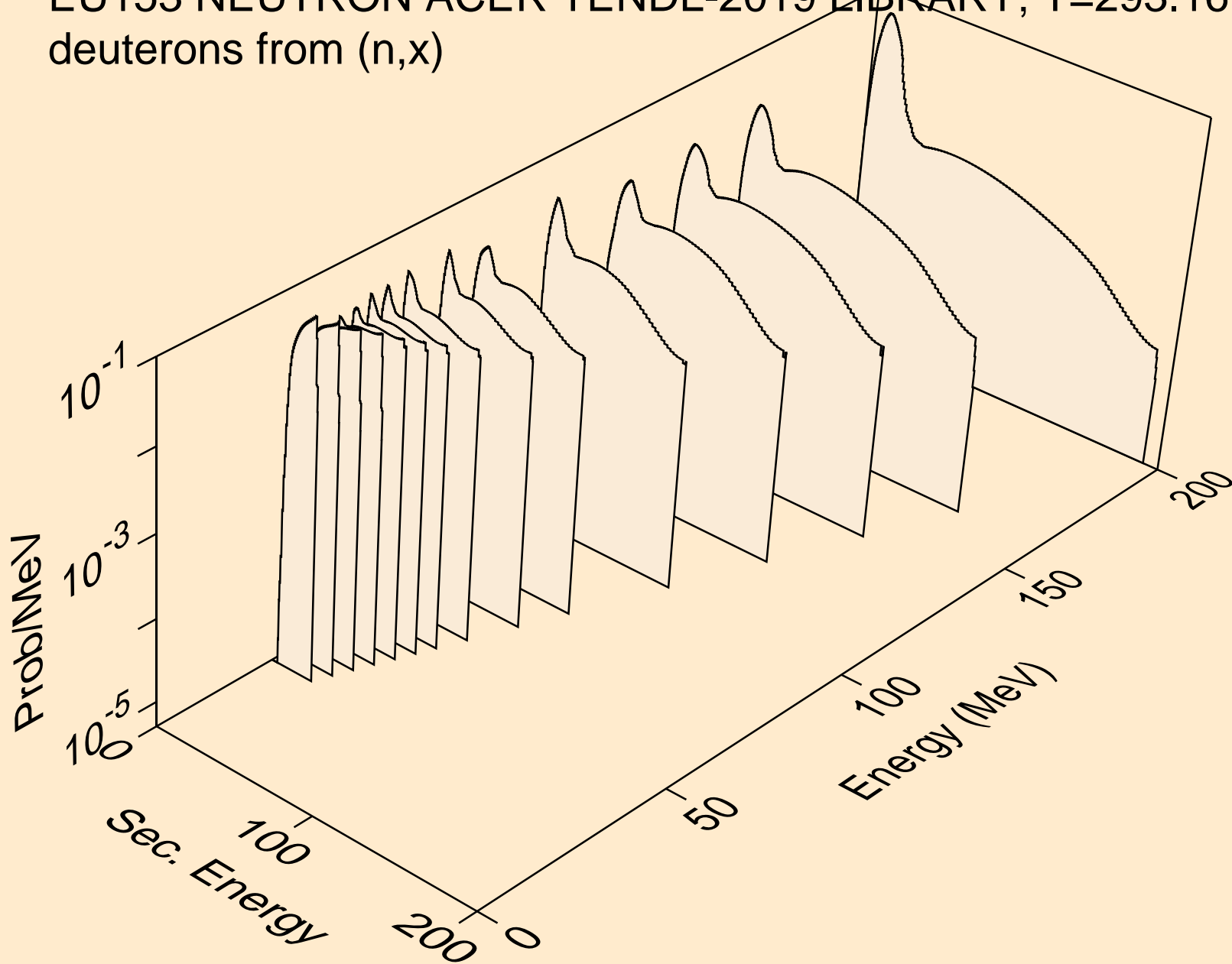
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pd)



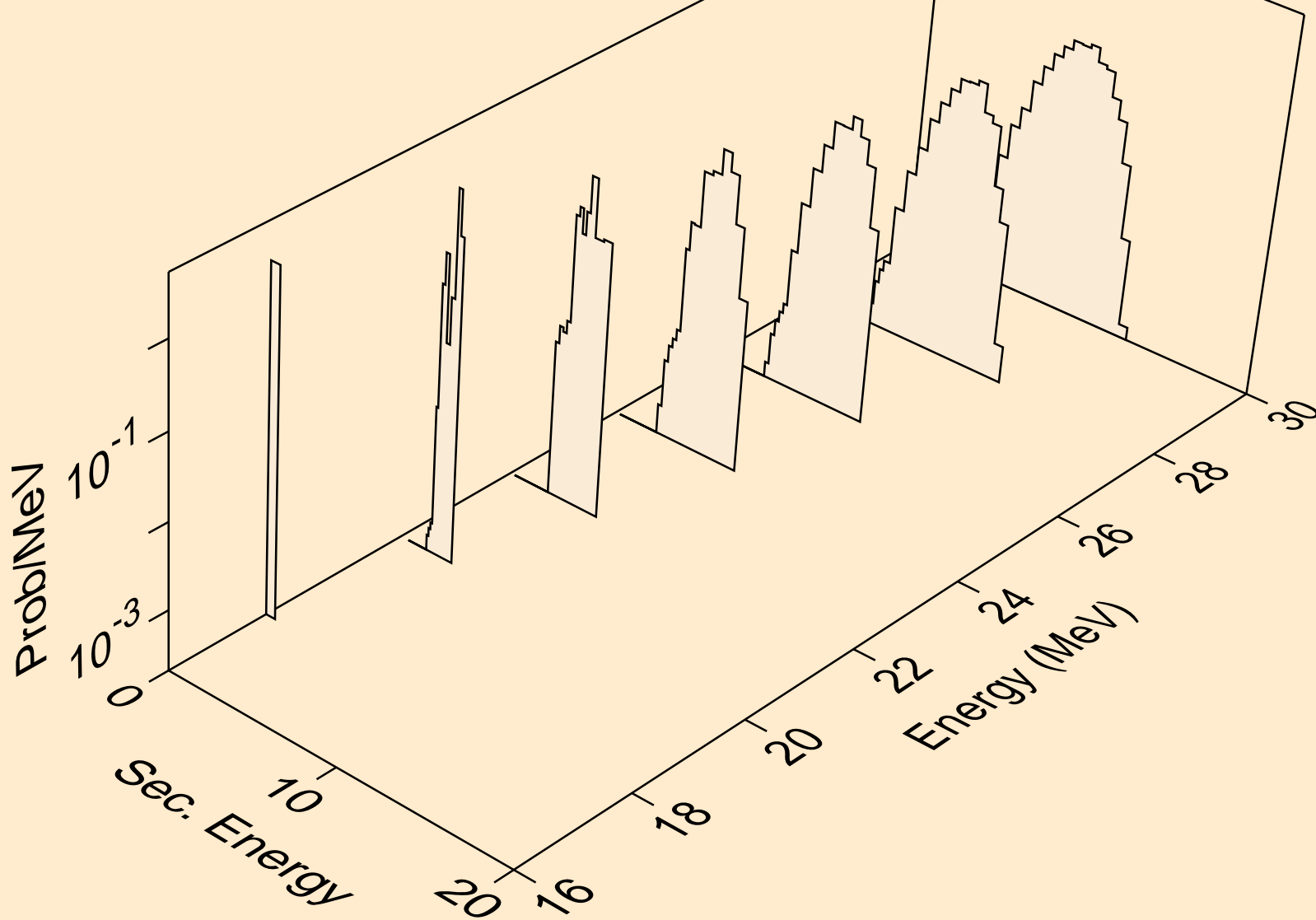
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
protons from (n,pt)



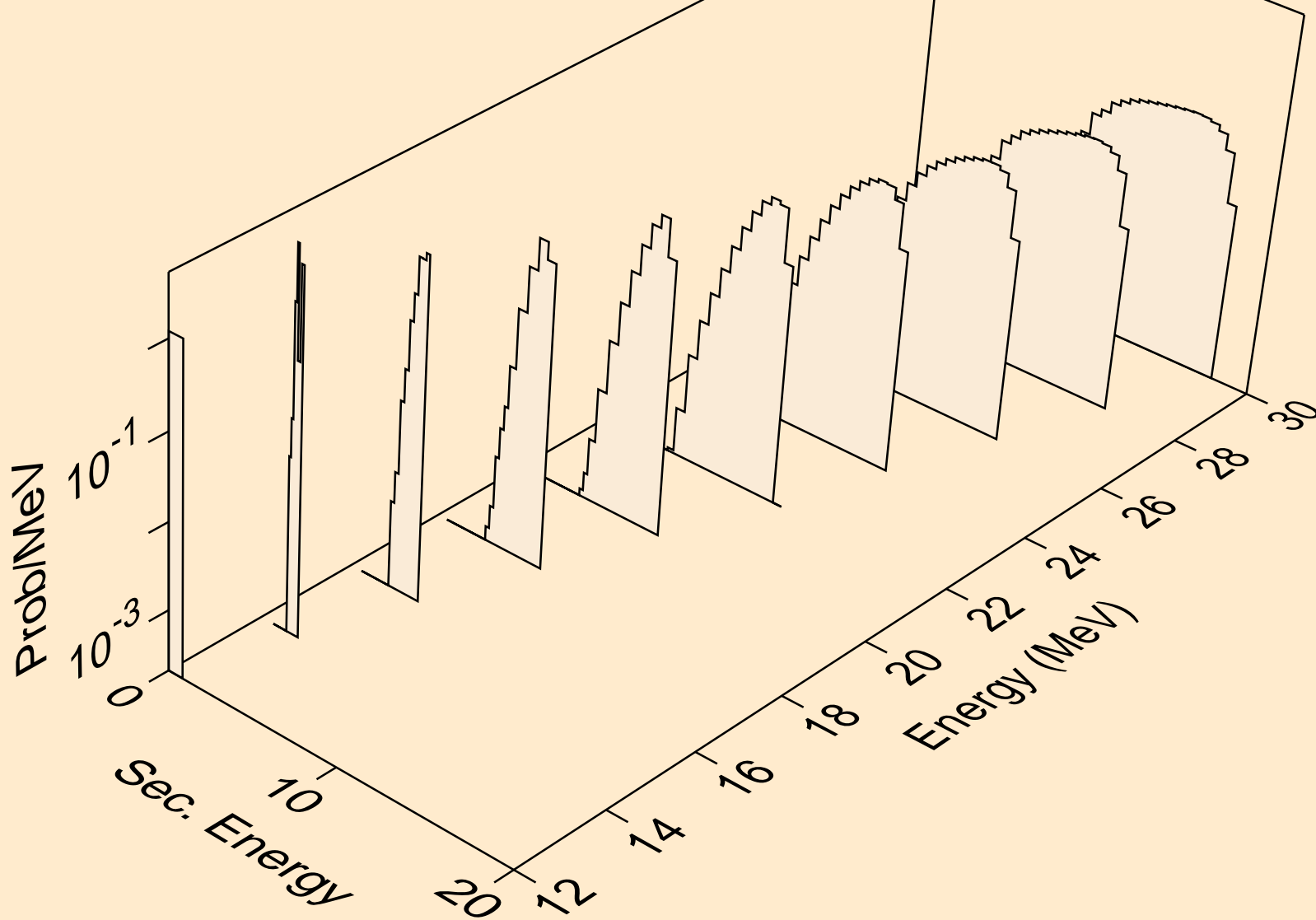
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,x)



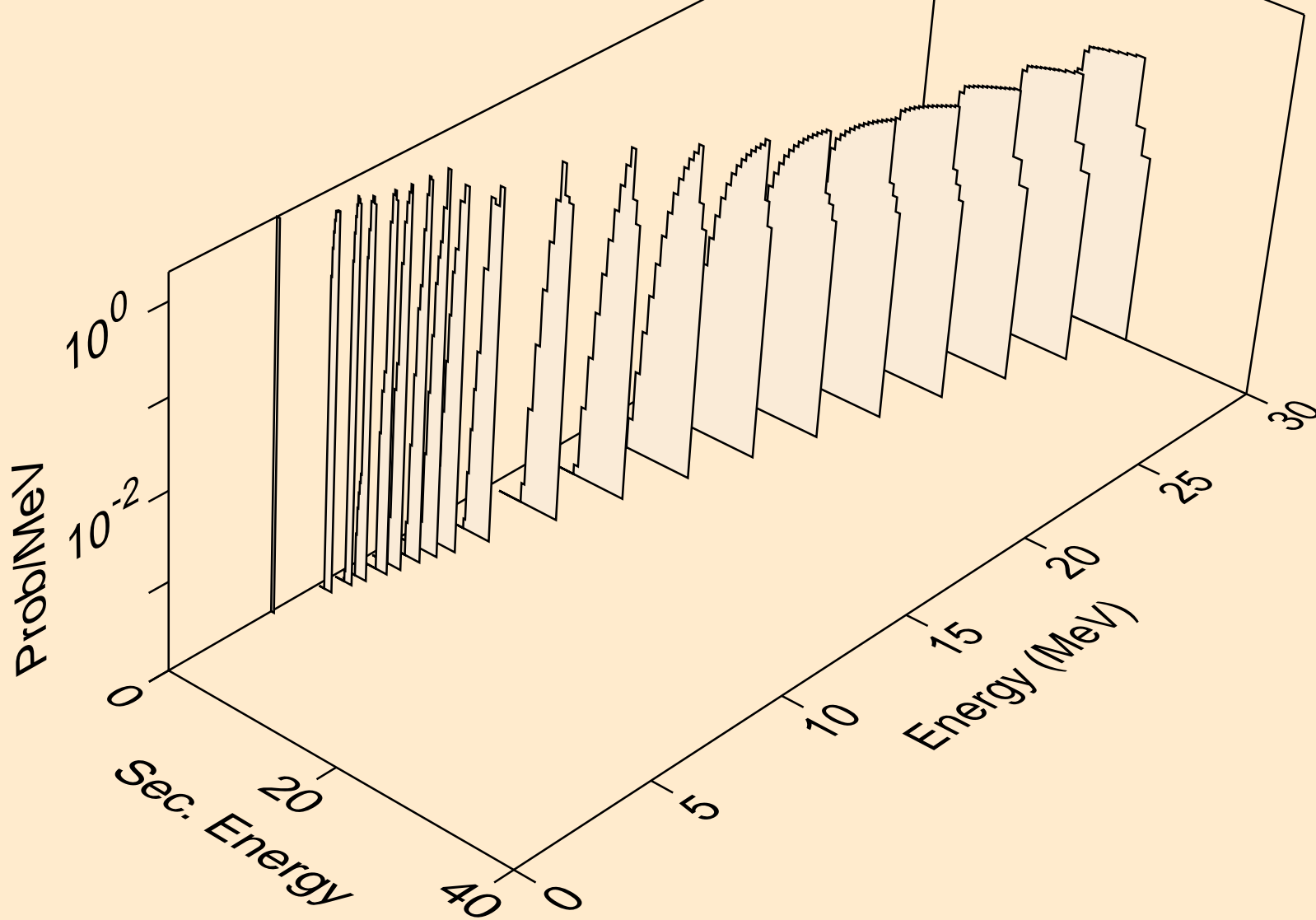
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,2nd)



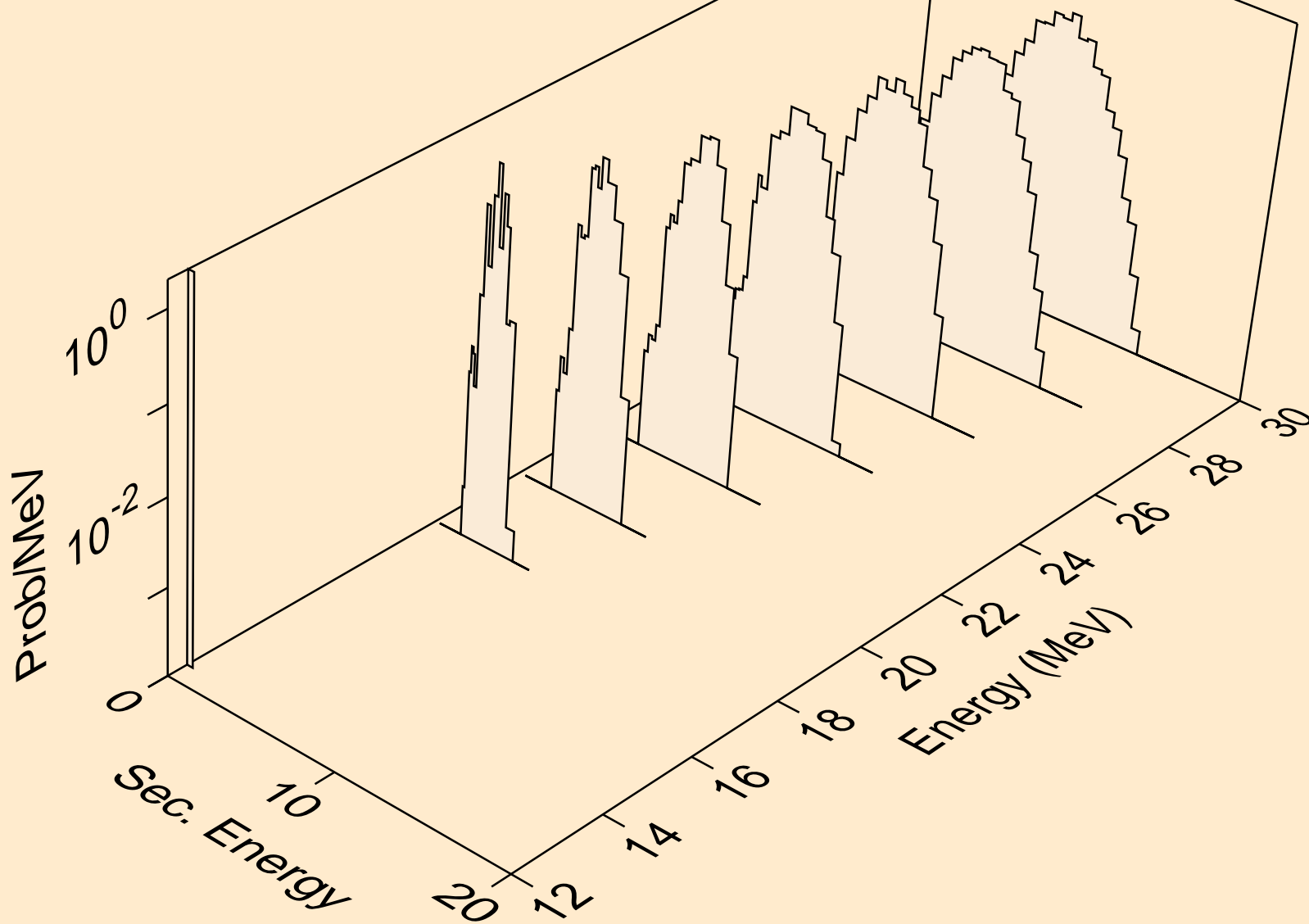
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deuterons from (n,n*)d



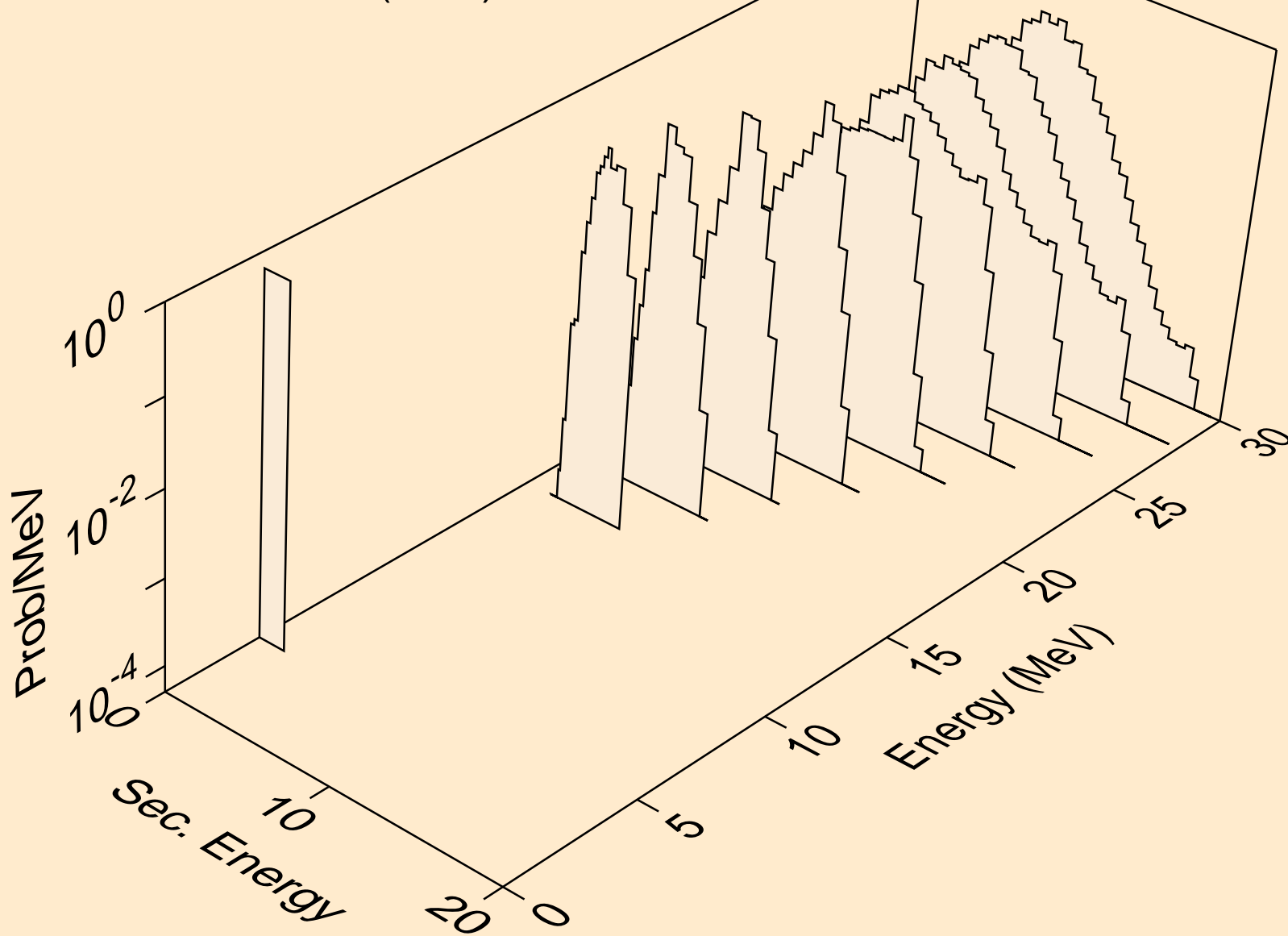
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,d)



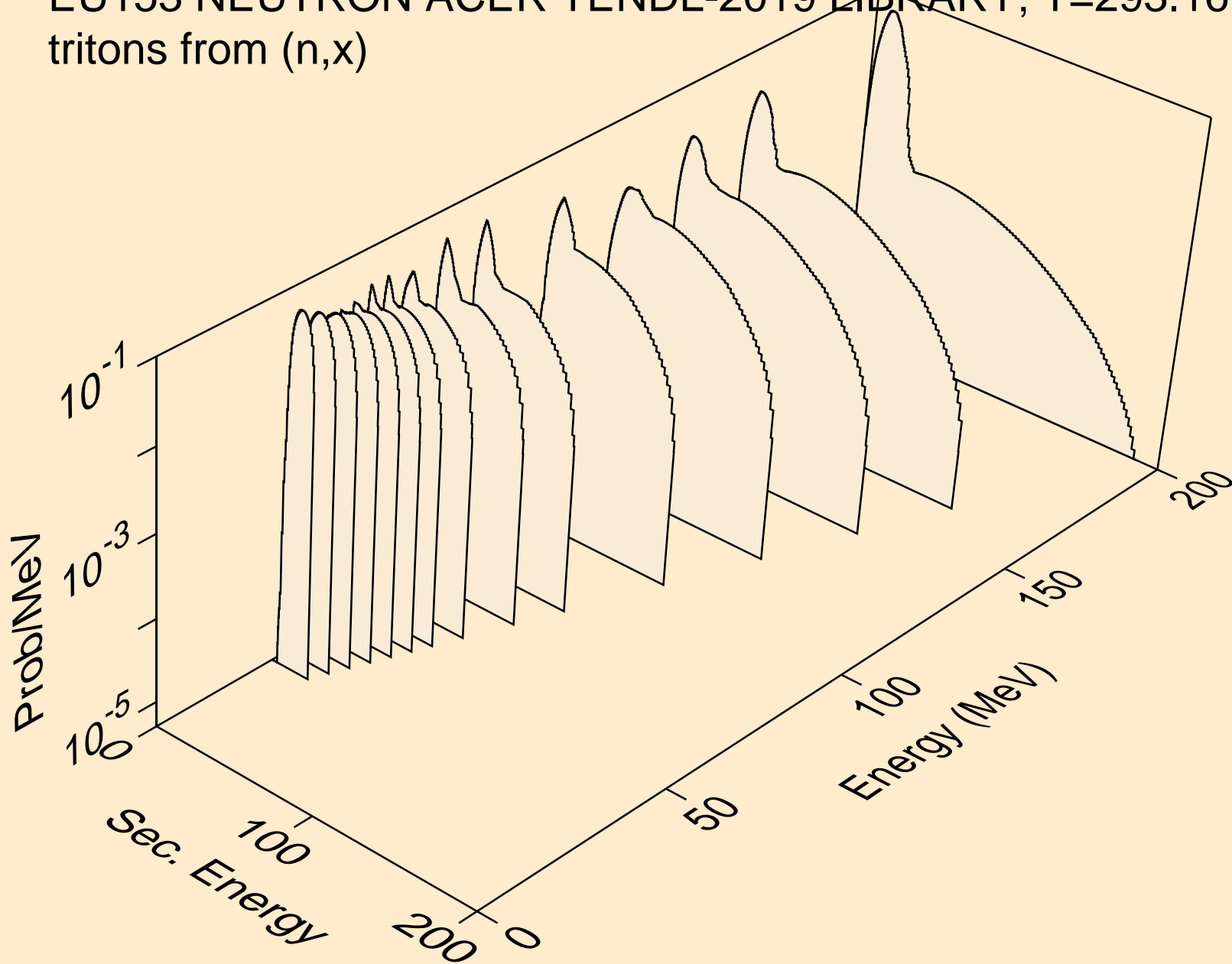
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,pd)



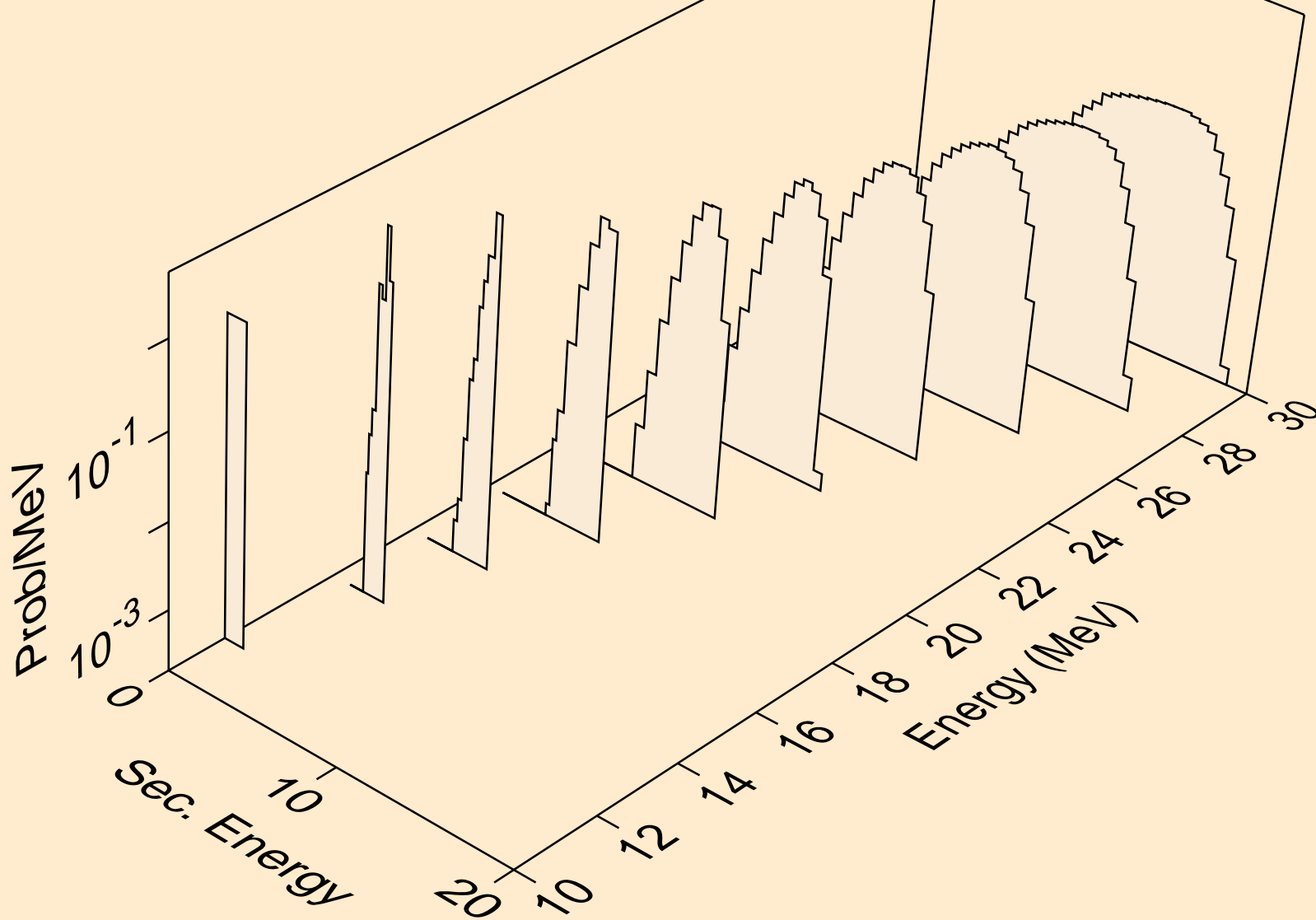
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
deuterons from (n,da)



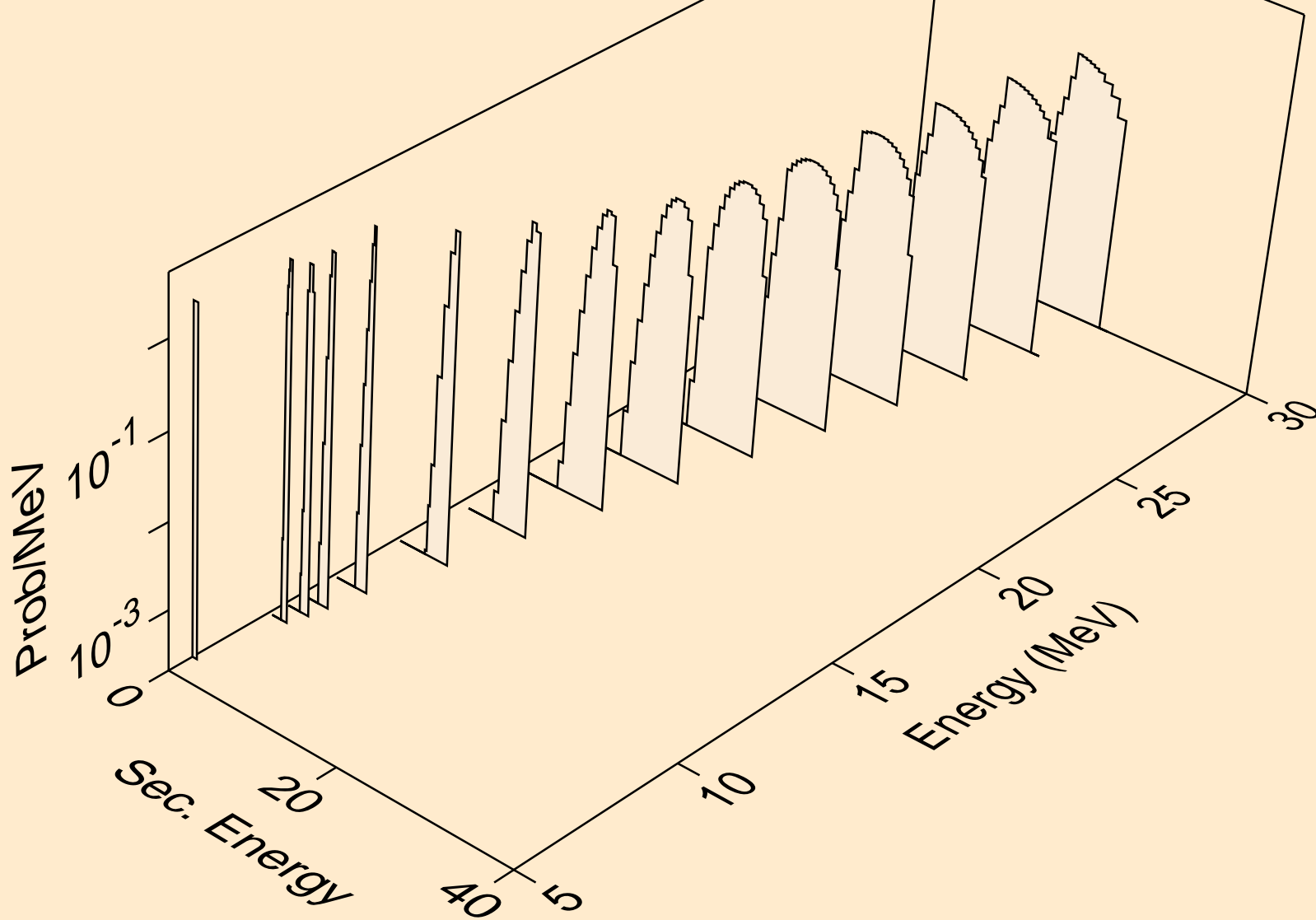
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,x)



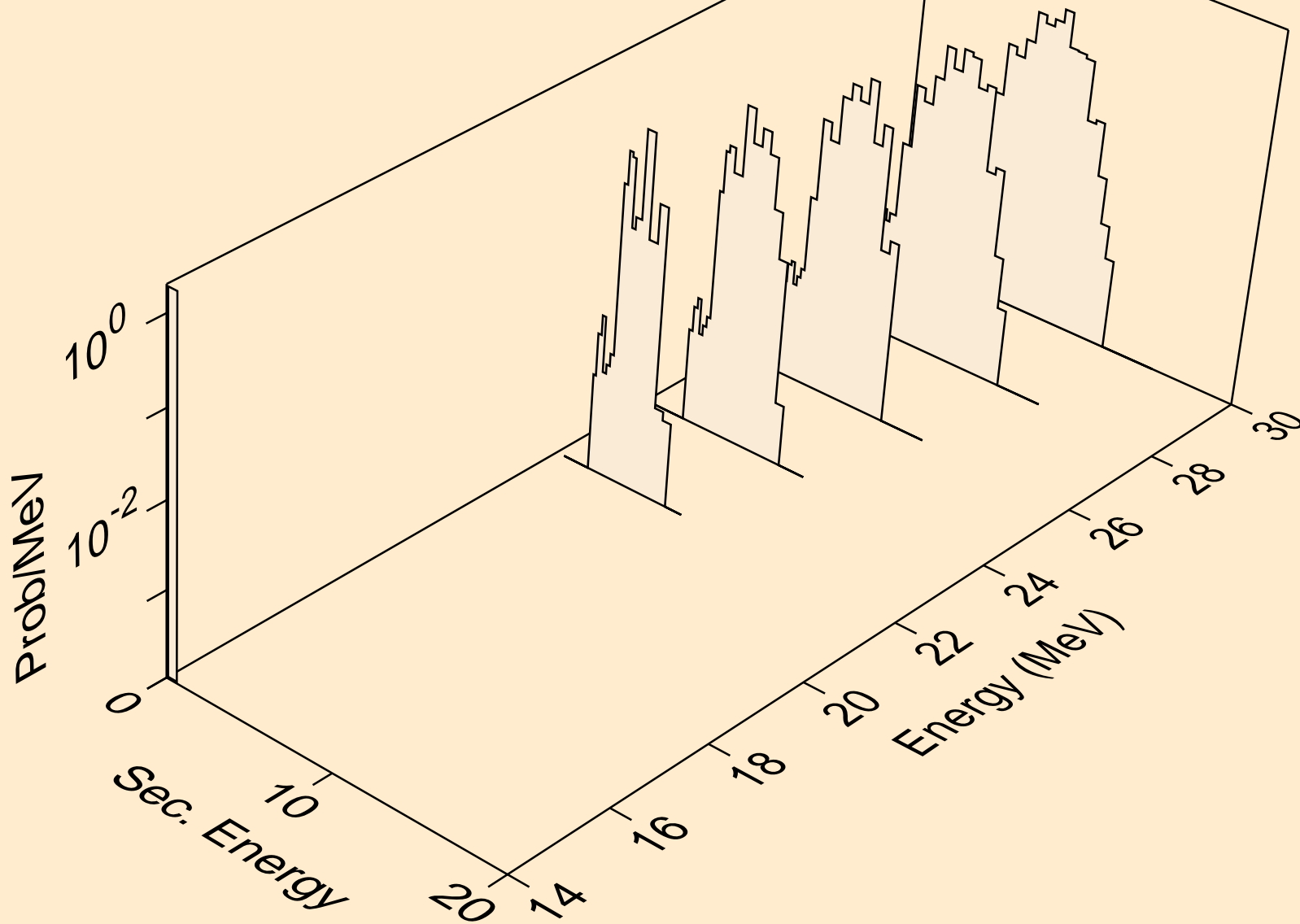
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,n*)t



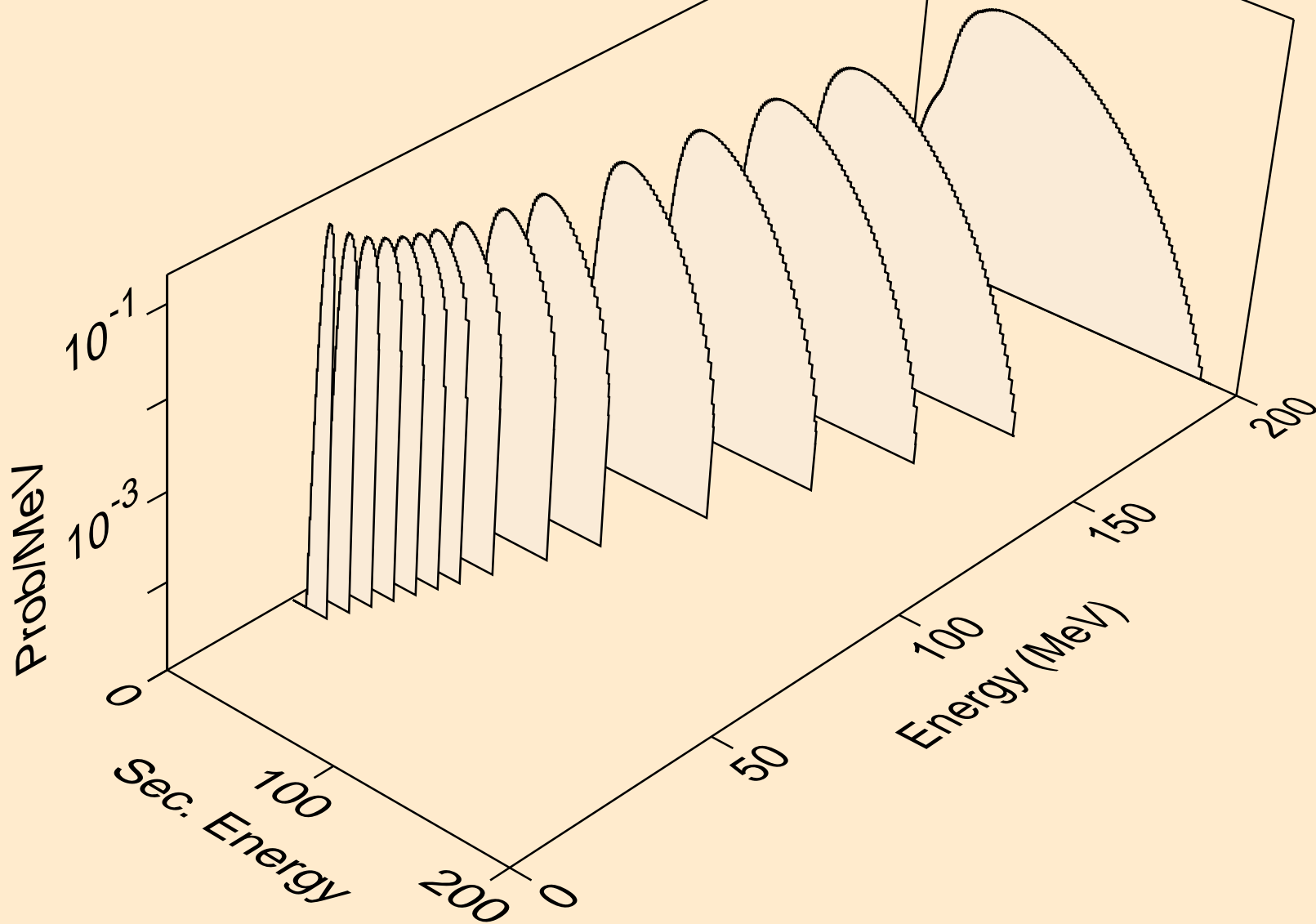
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,t)



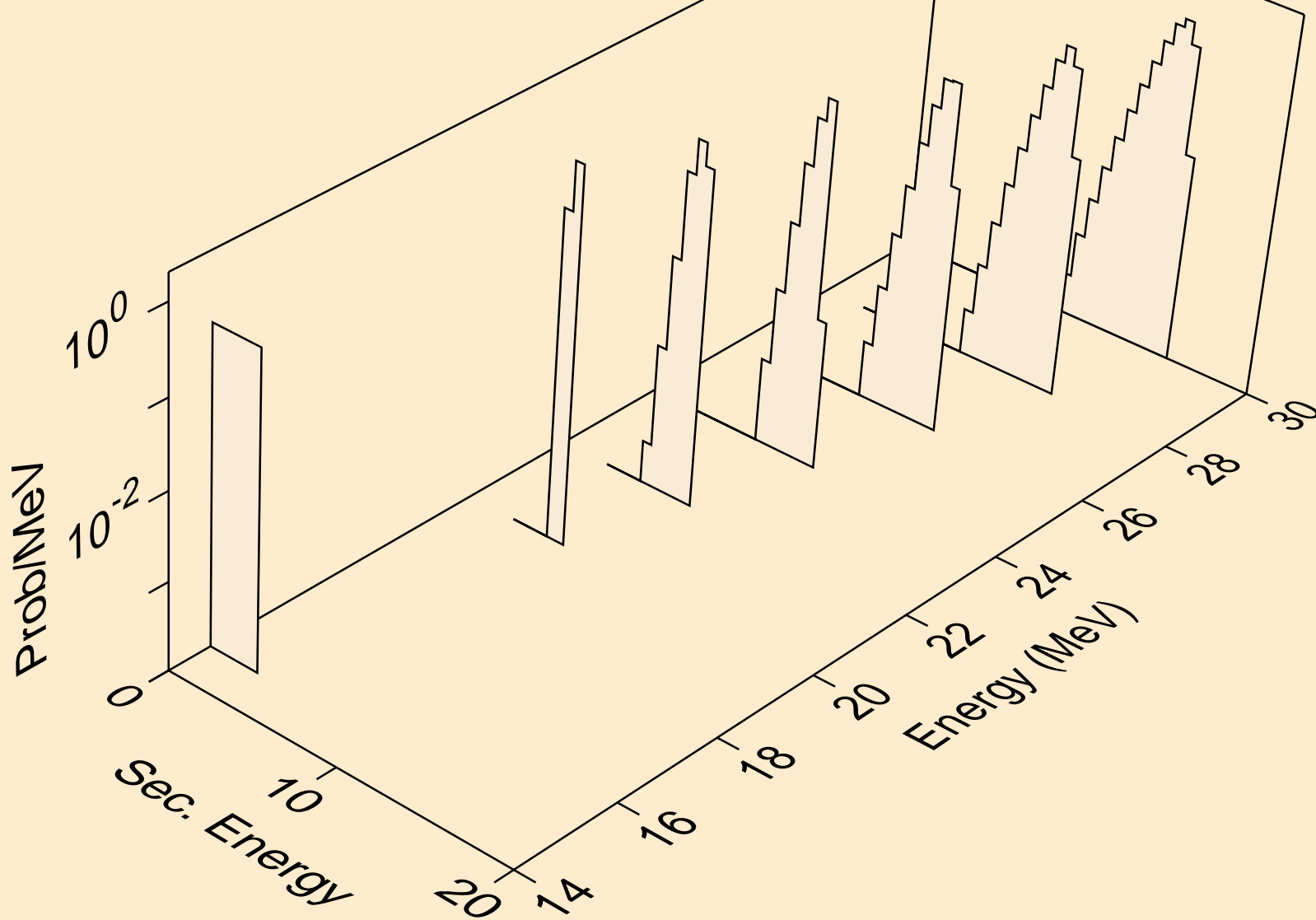
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
tritons from (n,pt)



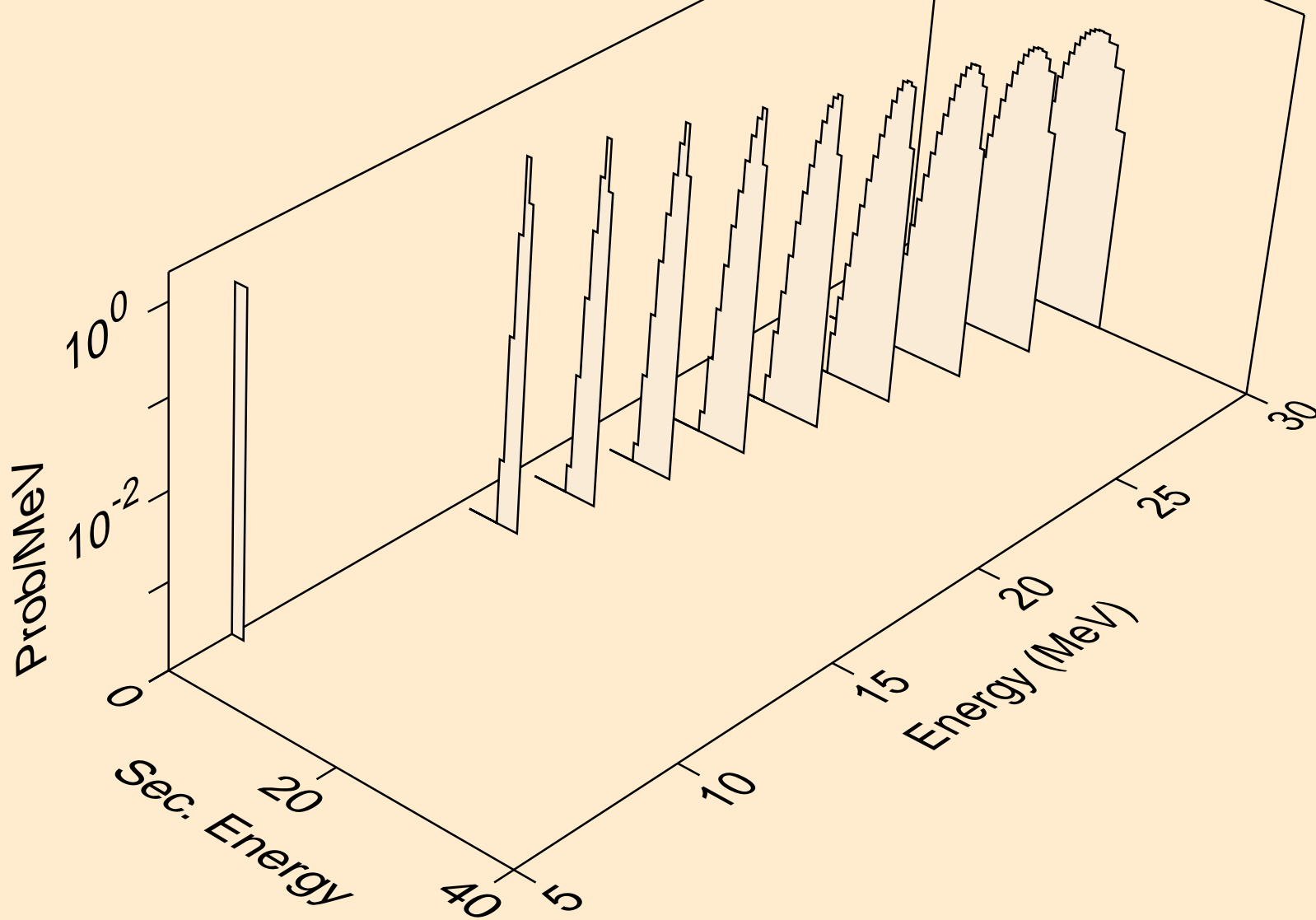
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
he3s from (n,x)



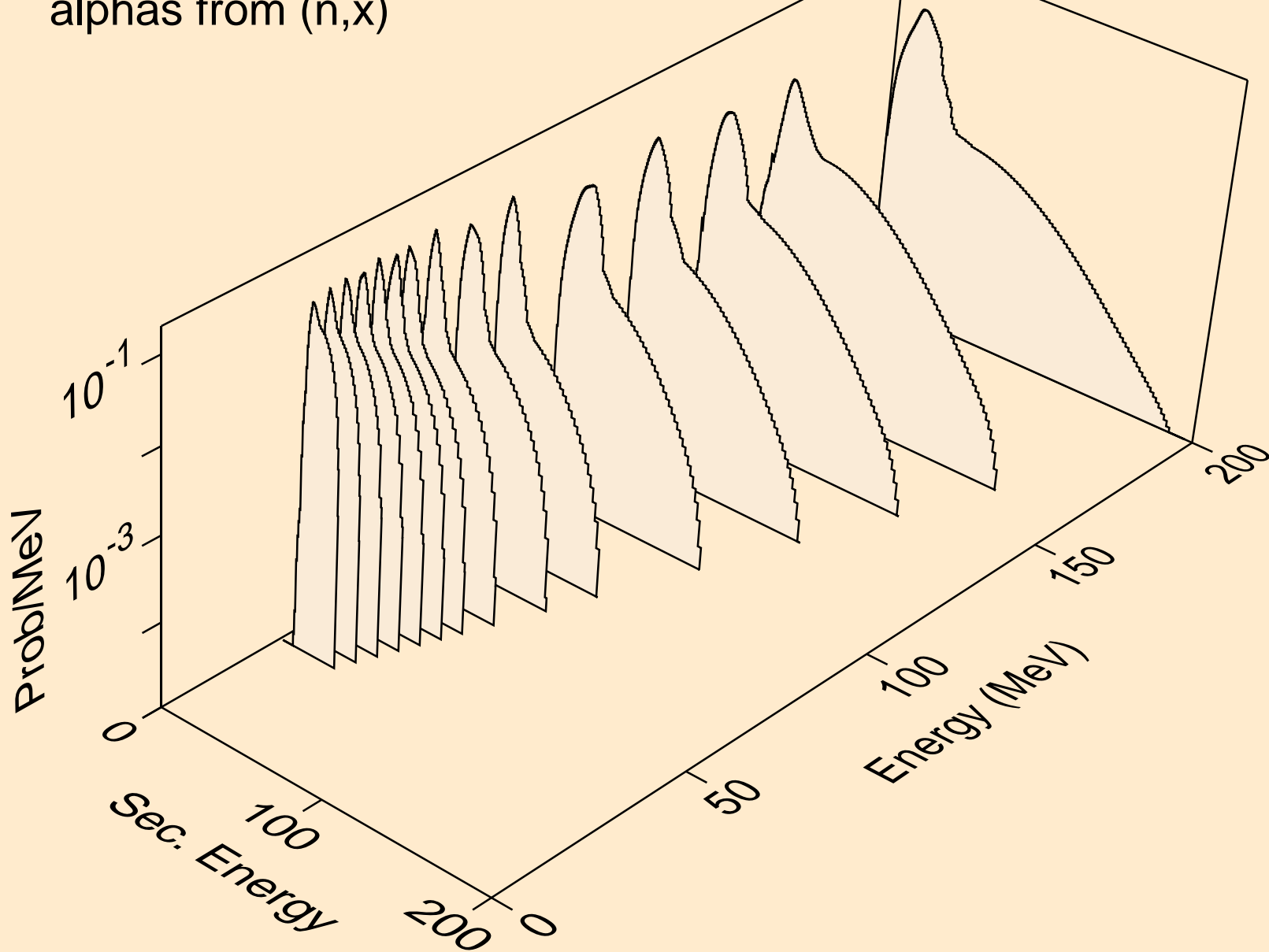
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
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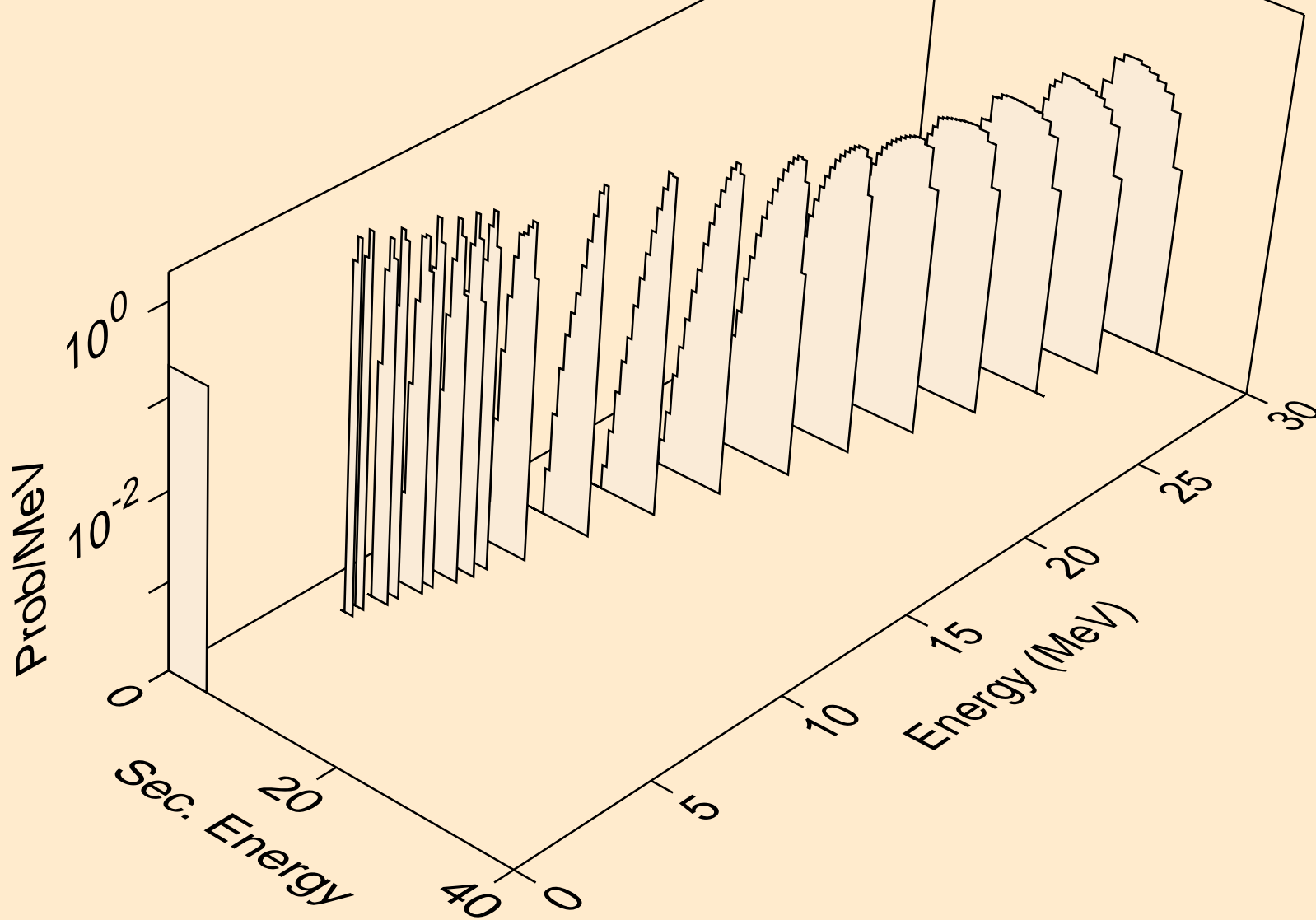
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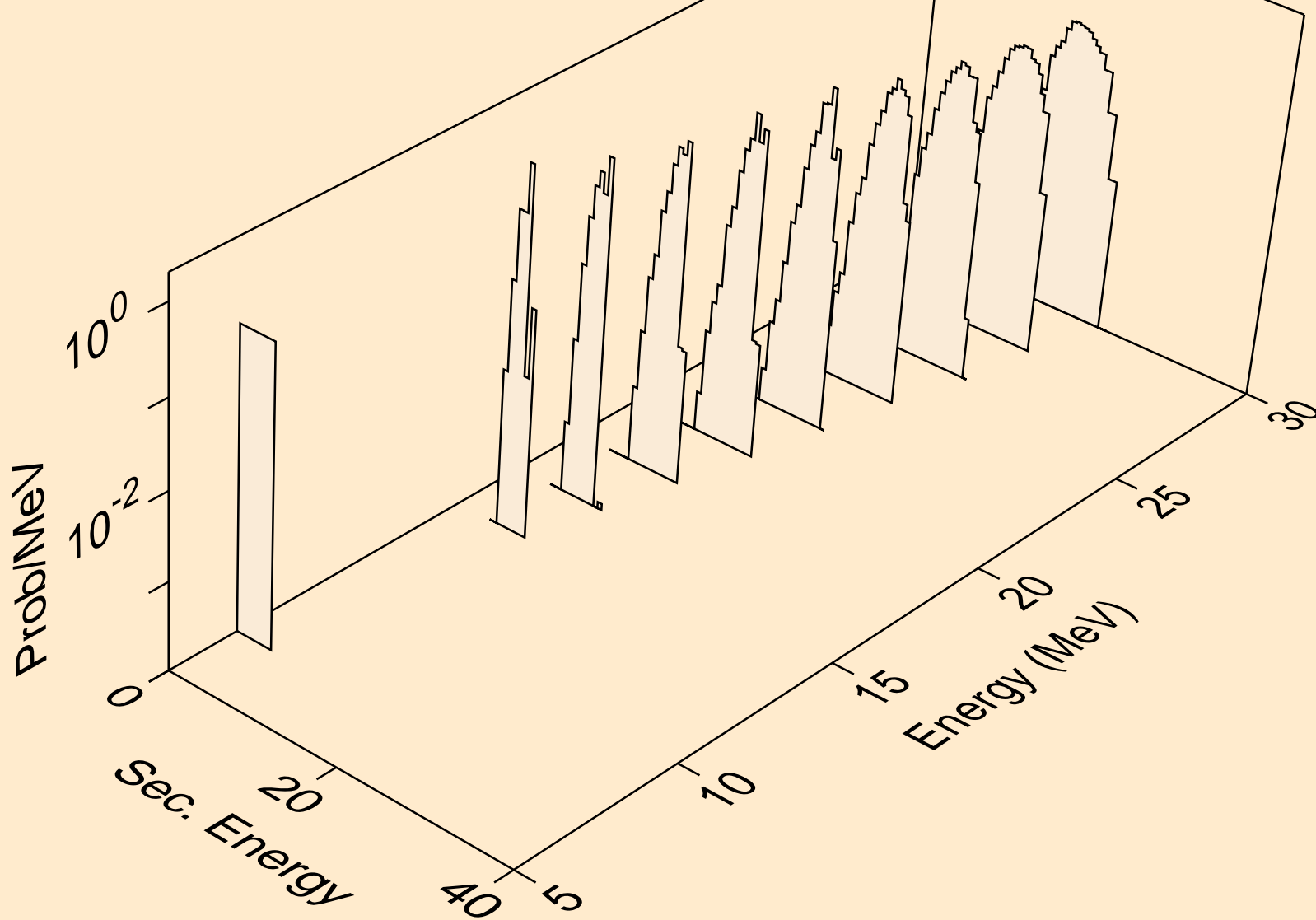
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,x)



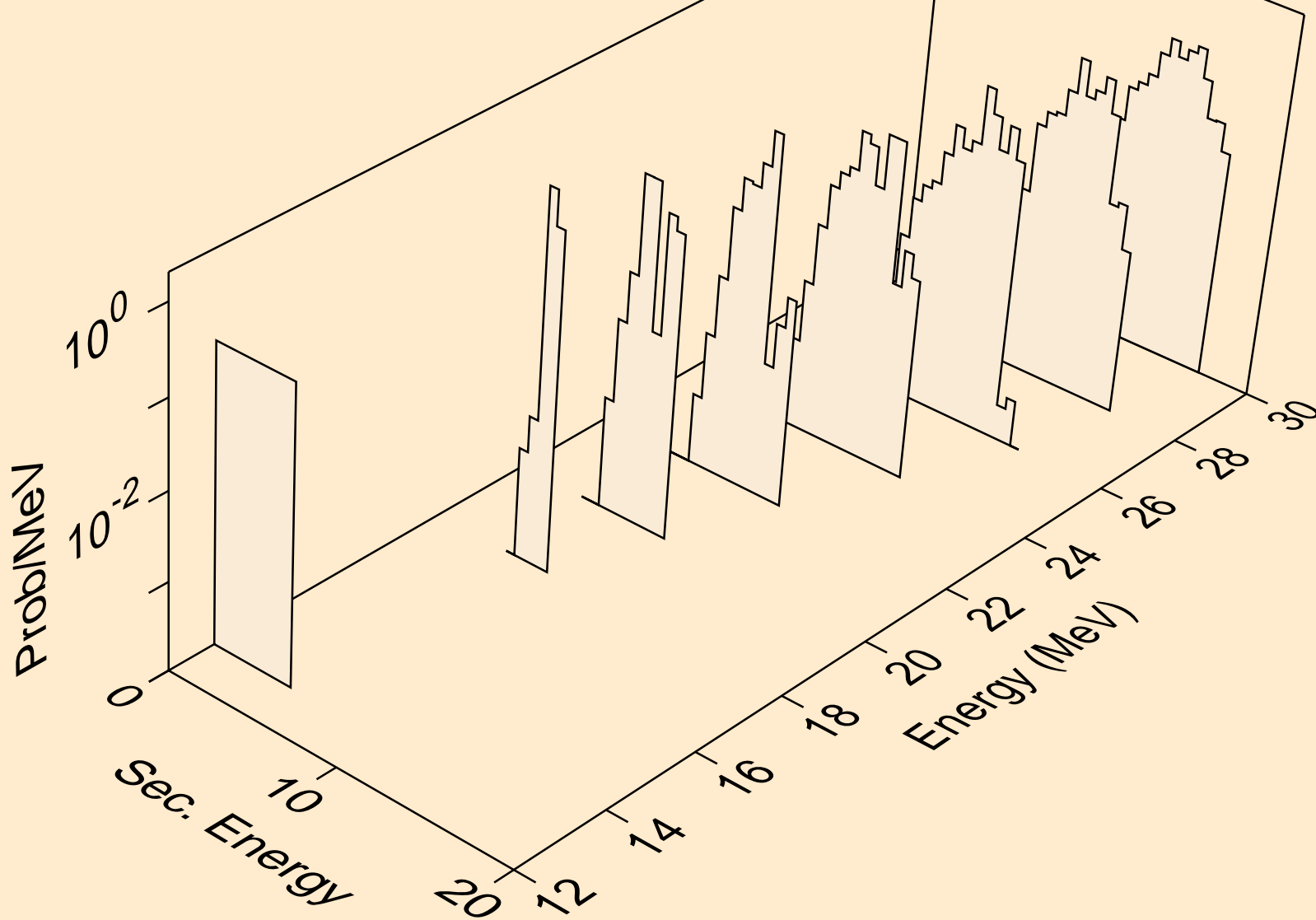
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)a



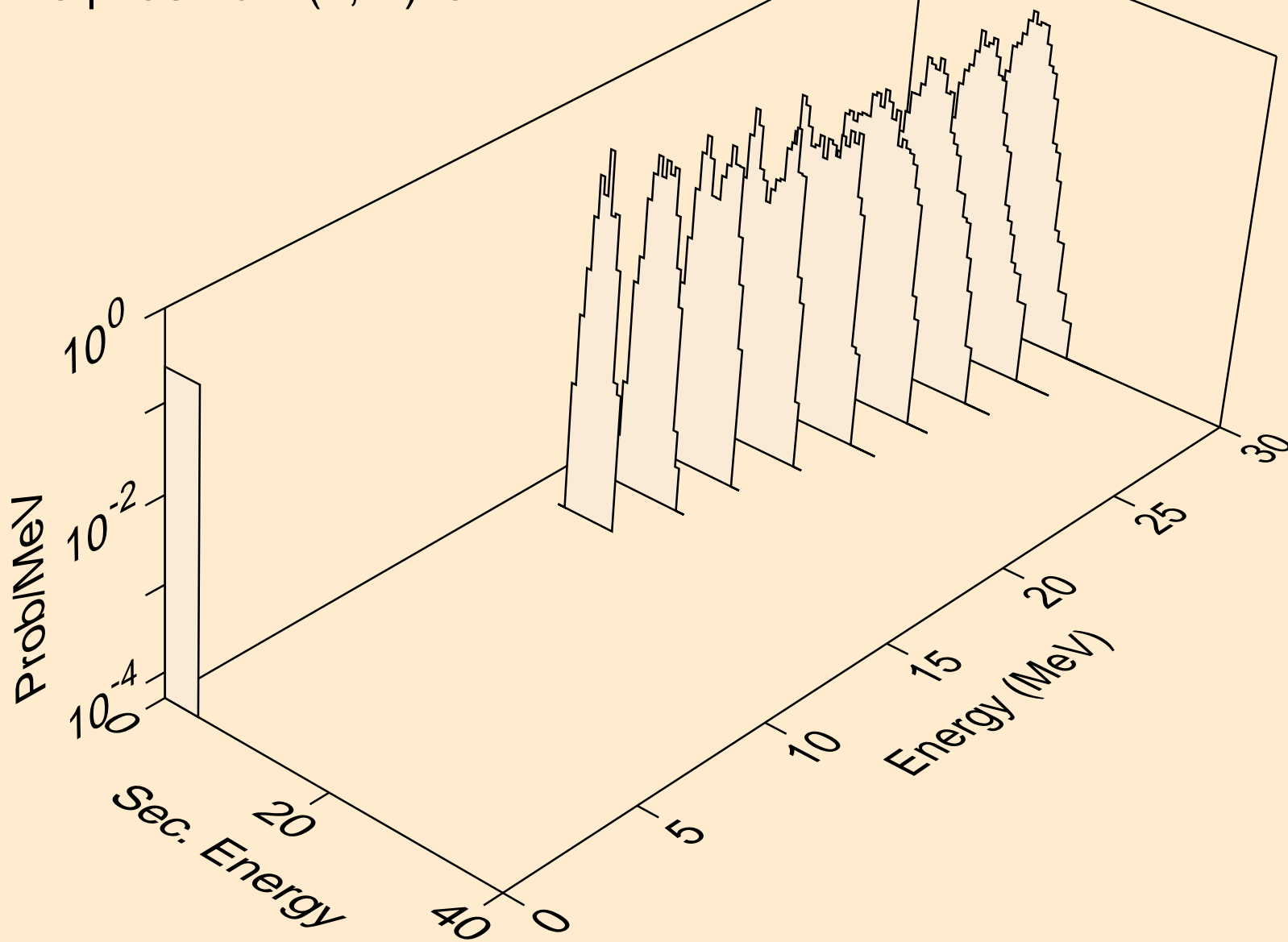
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2n)a



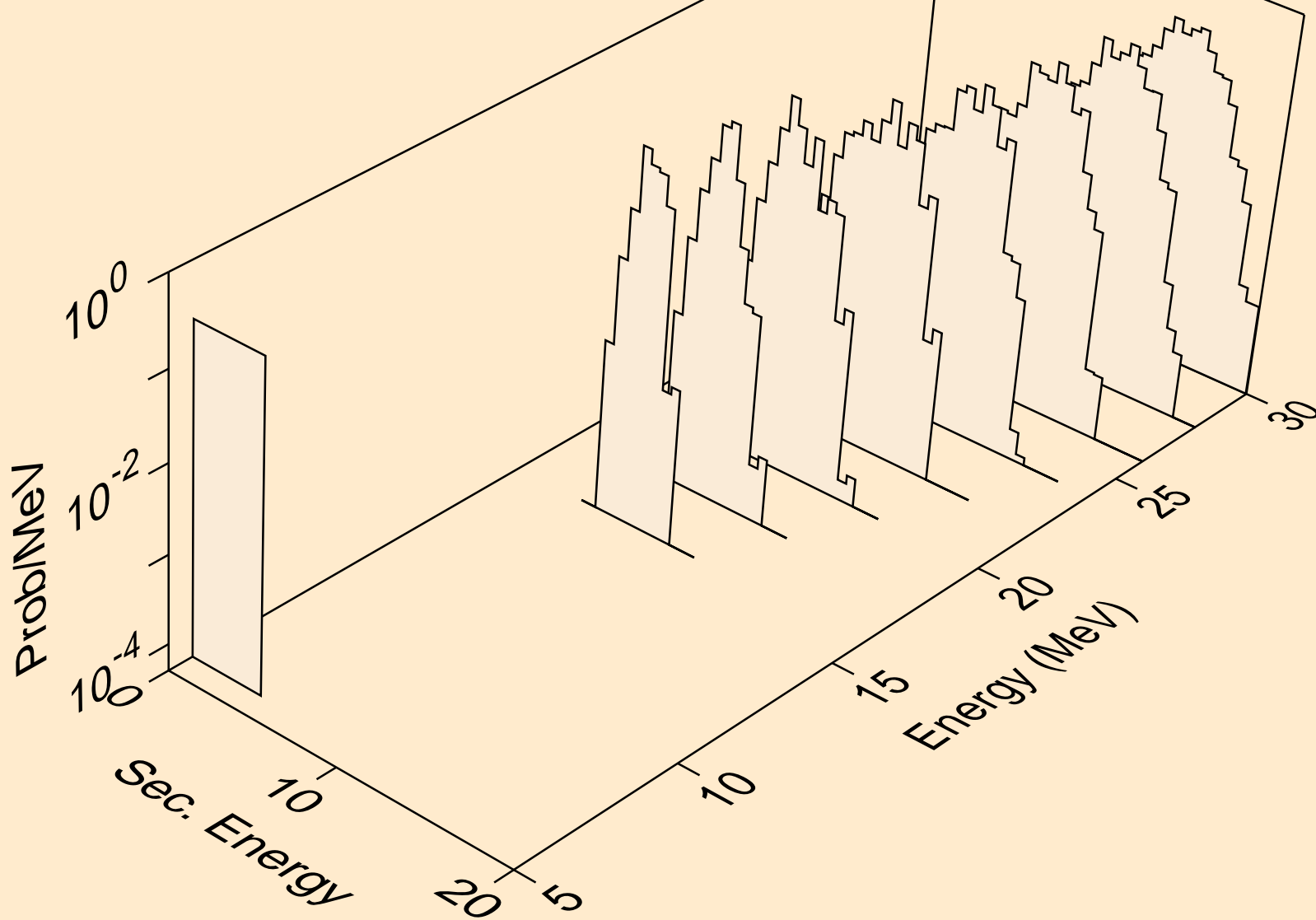
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alphas from (n,3n)a



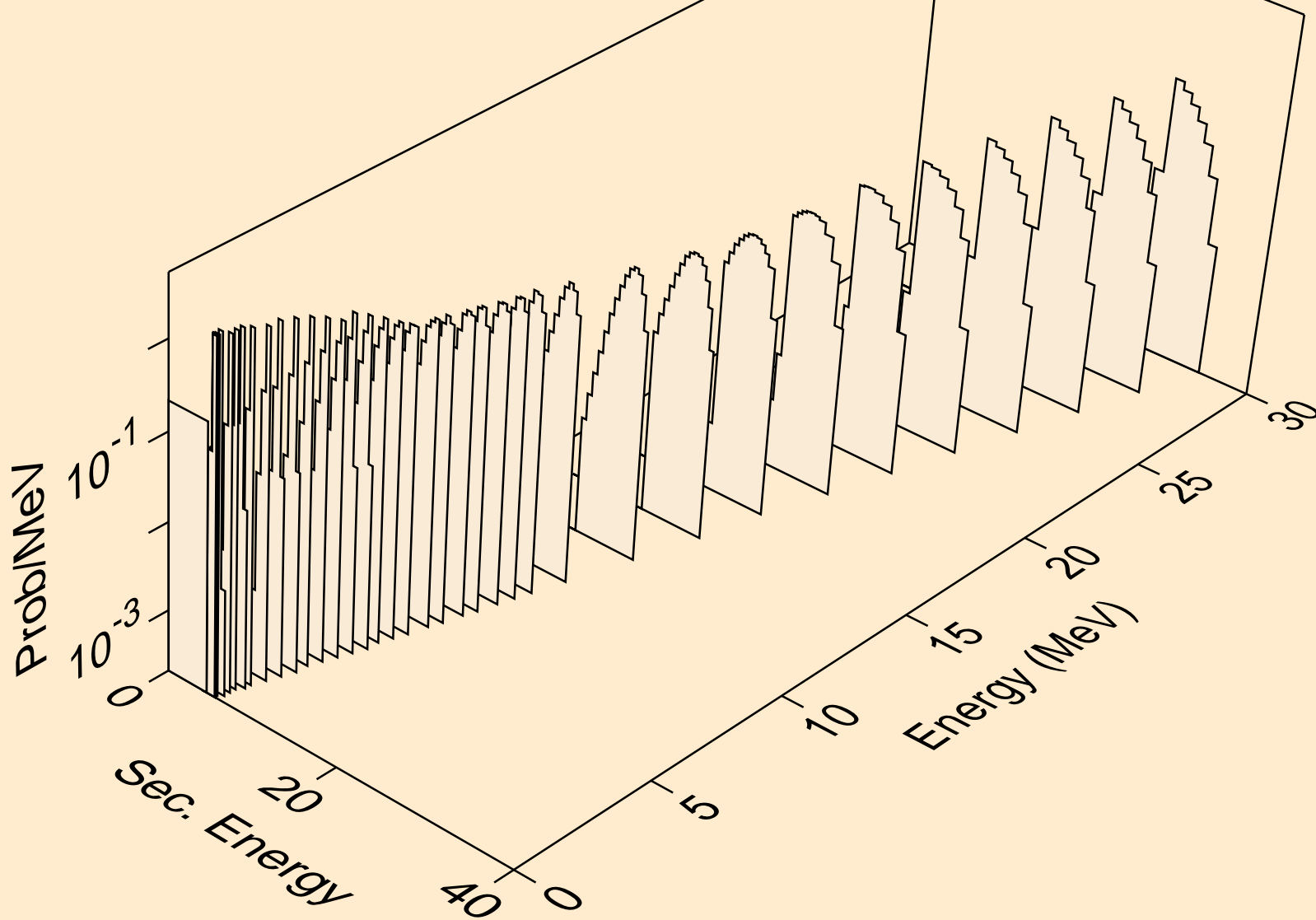
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,n*)2a



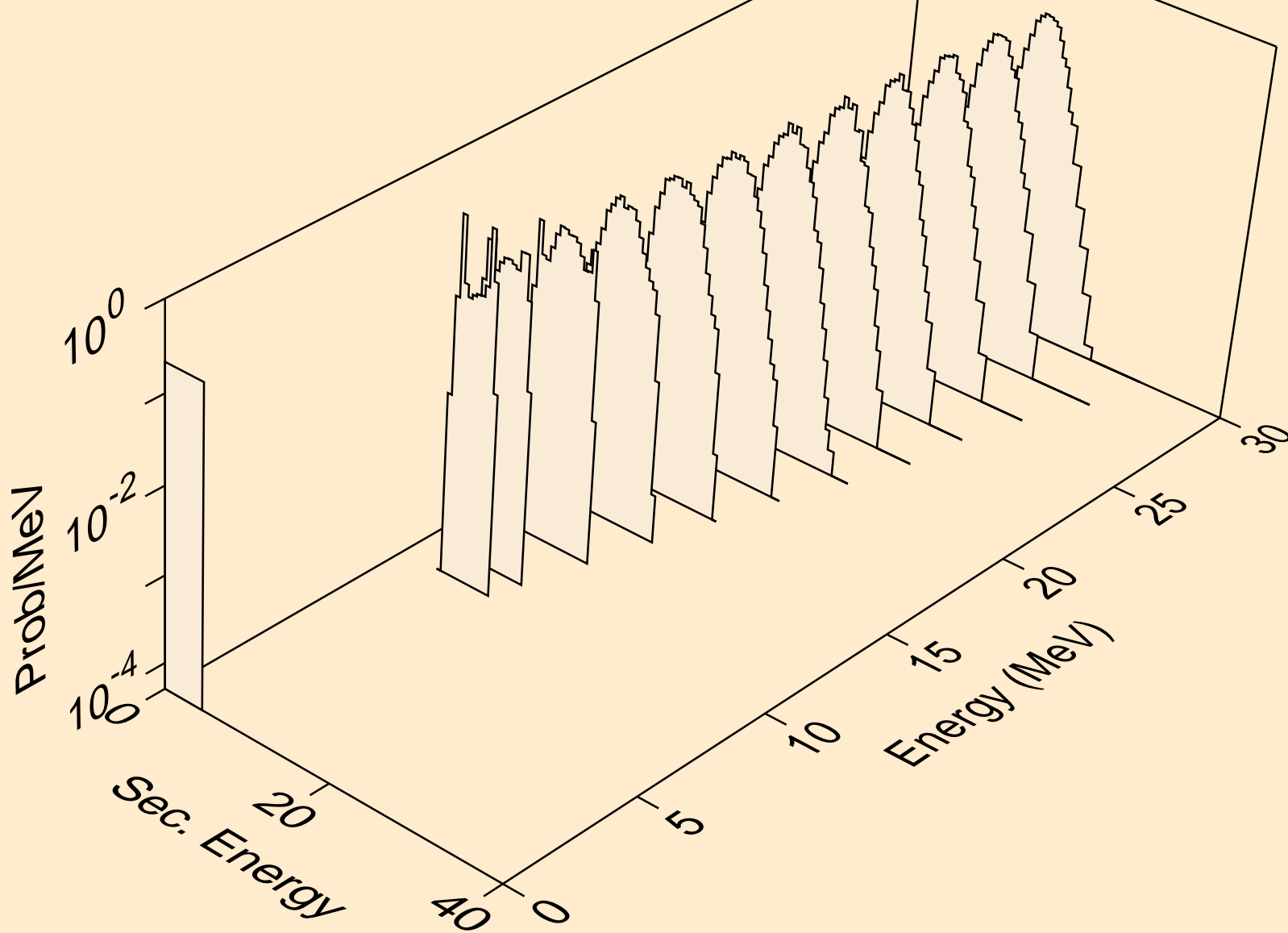
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,npa)



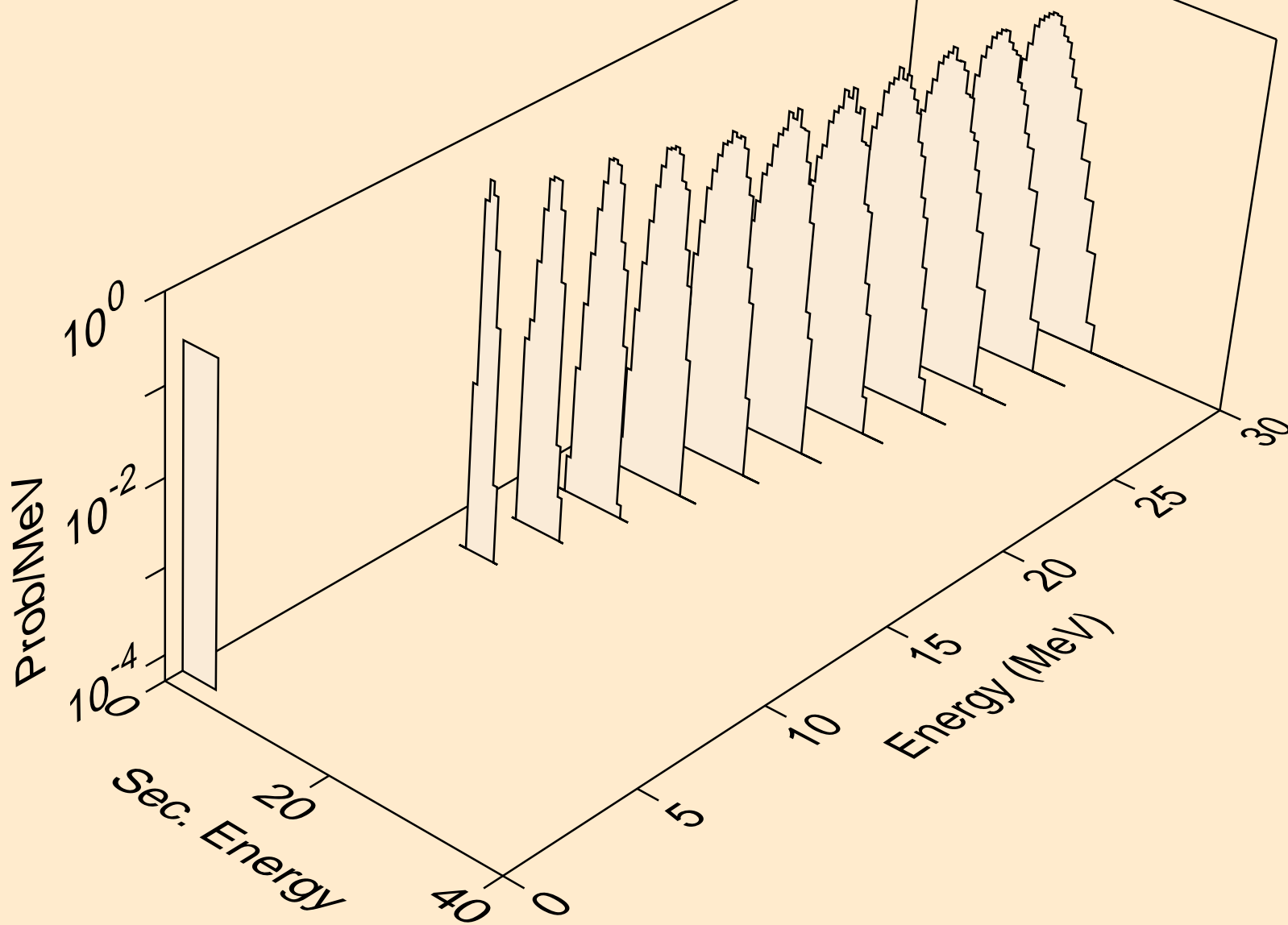
EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,a)



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,2a)



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,pa)



EU153 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K
alphas from (n,da)

