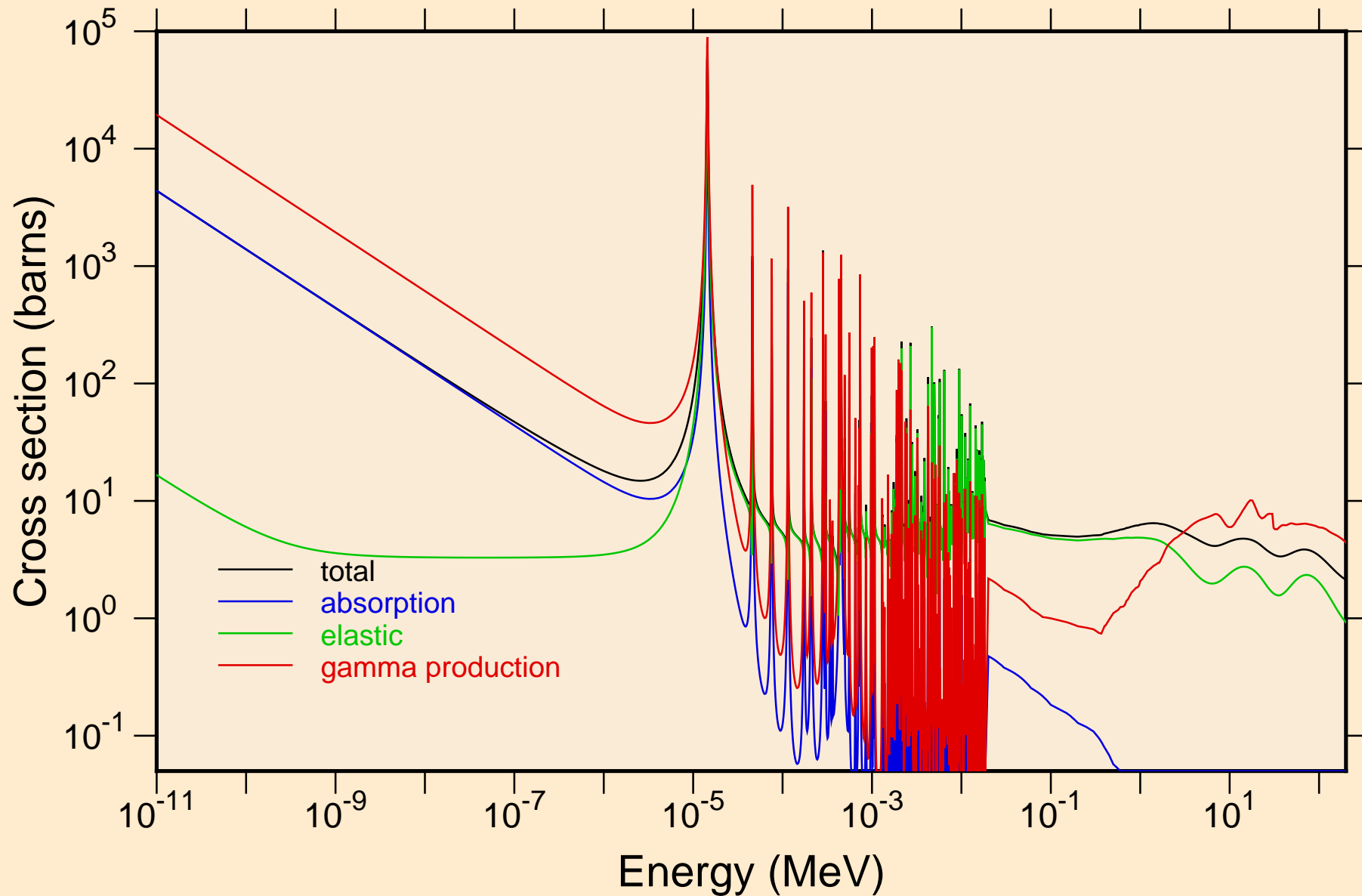
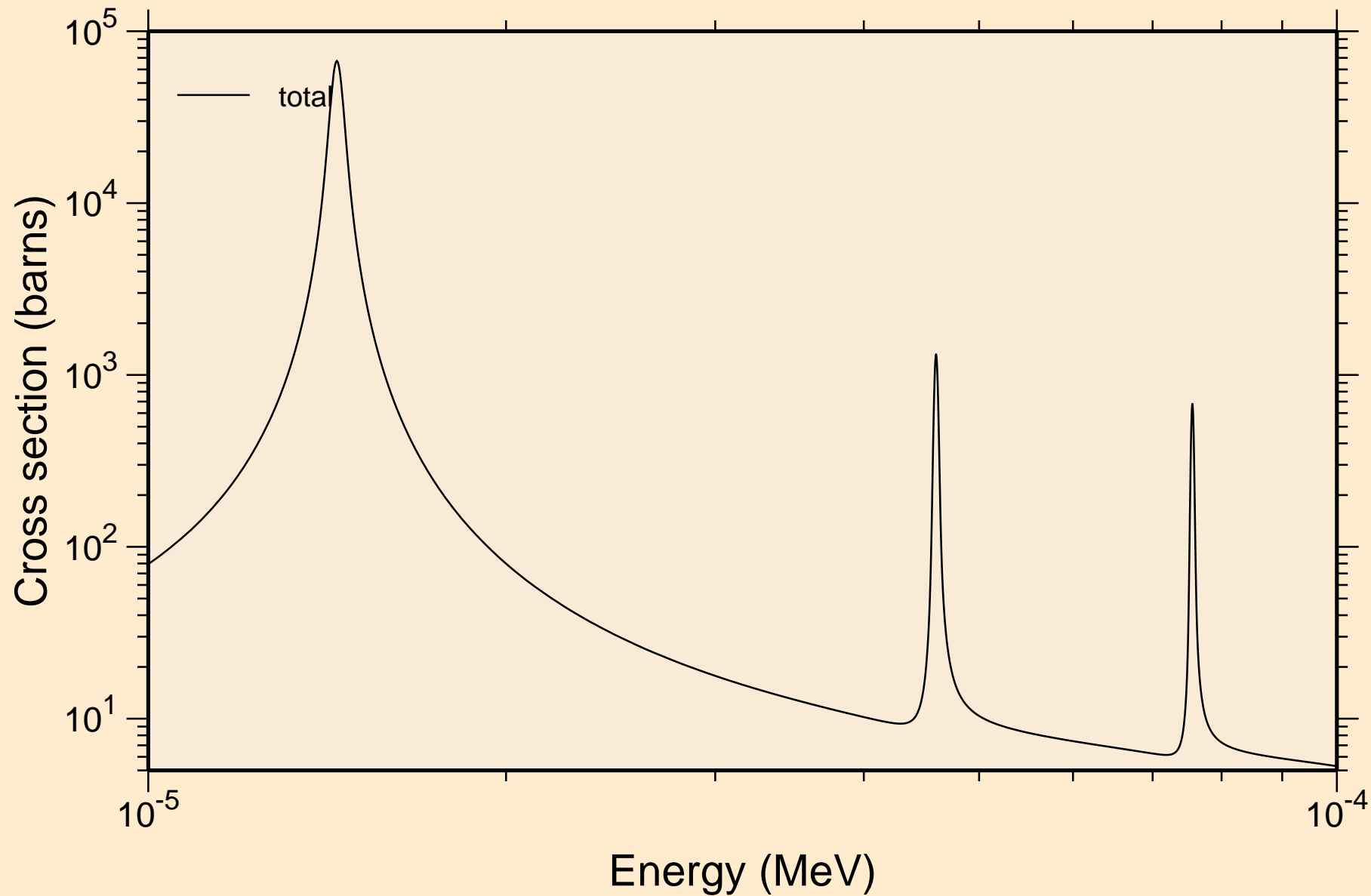


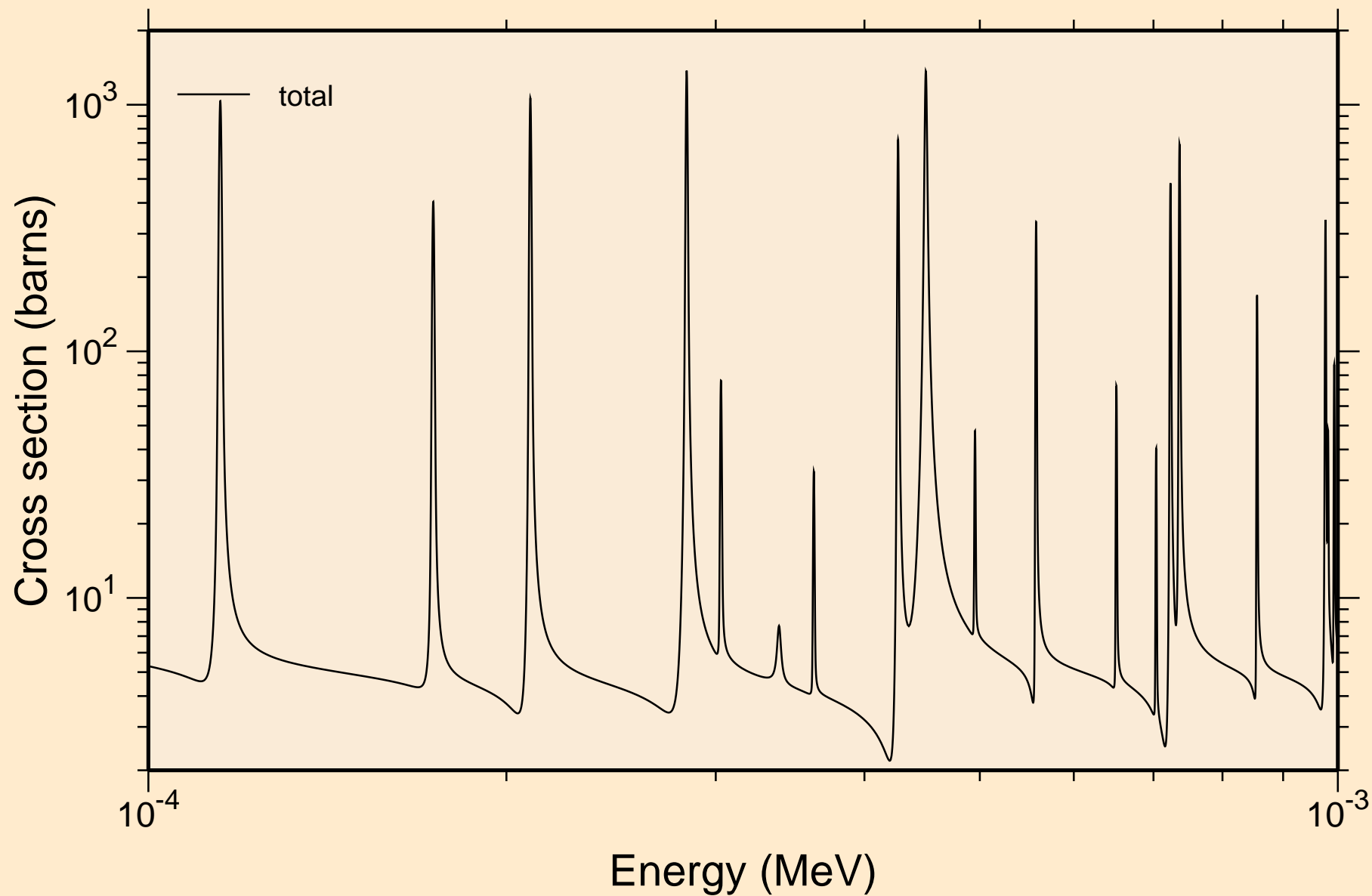
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Principal cross sections



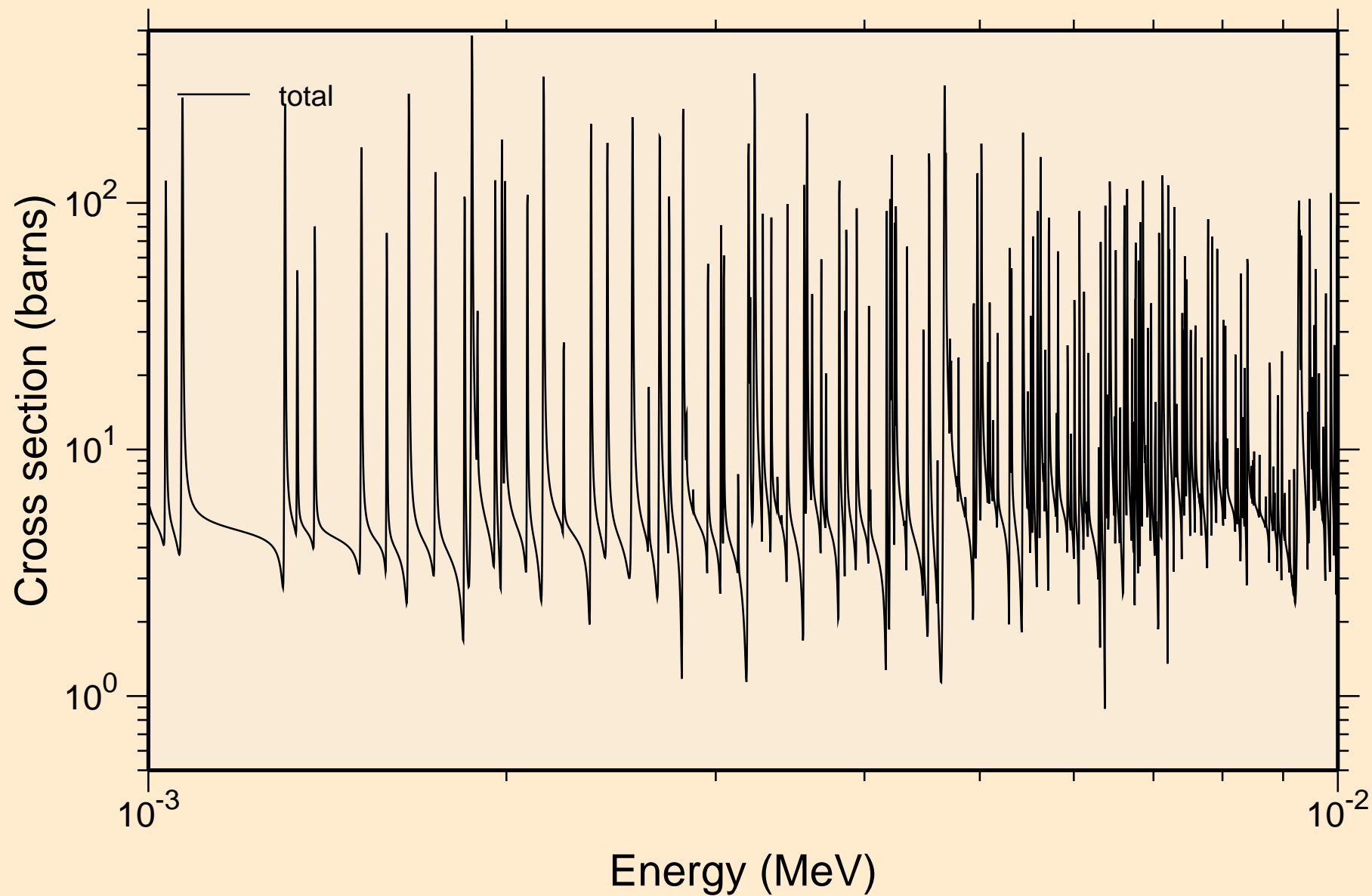
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



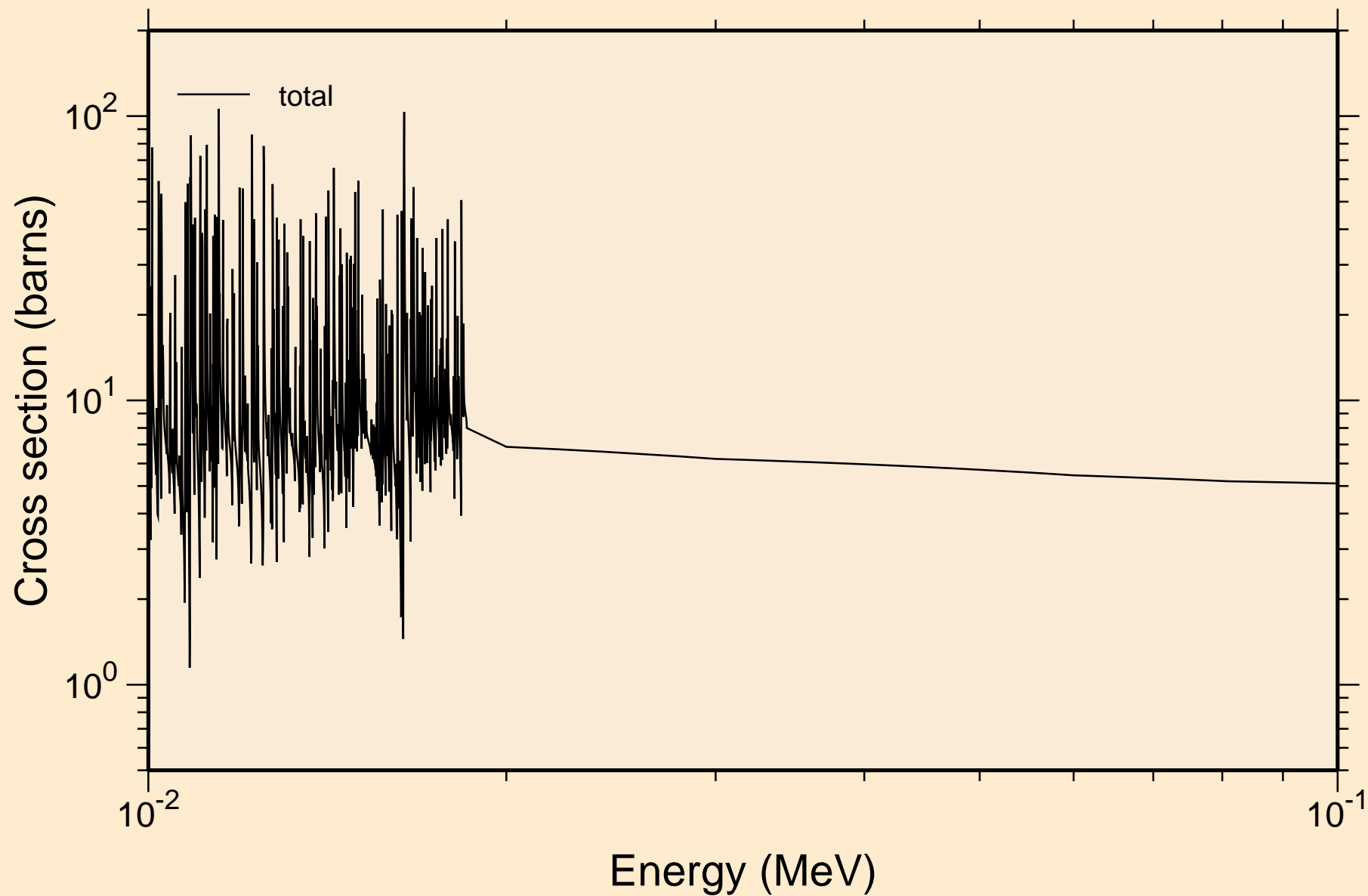
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



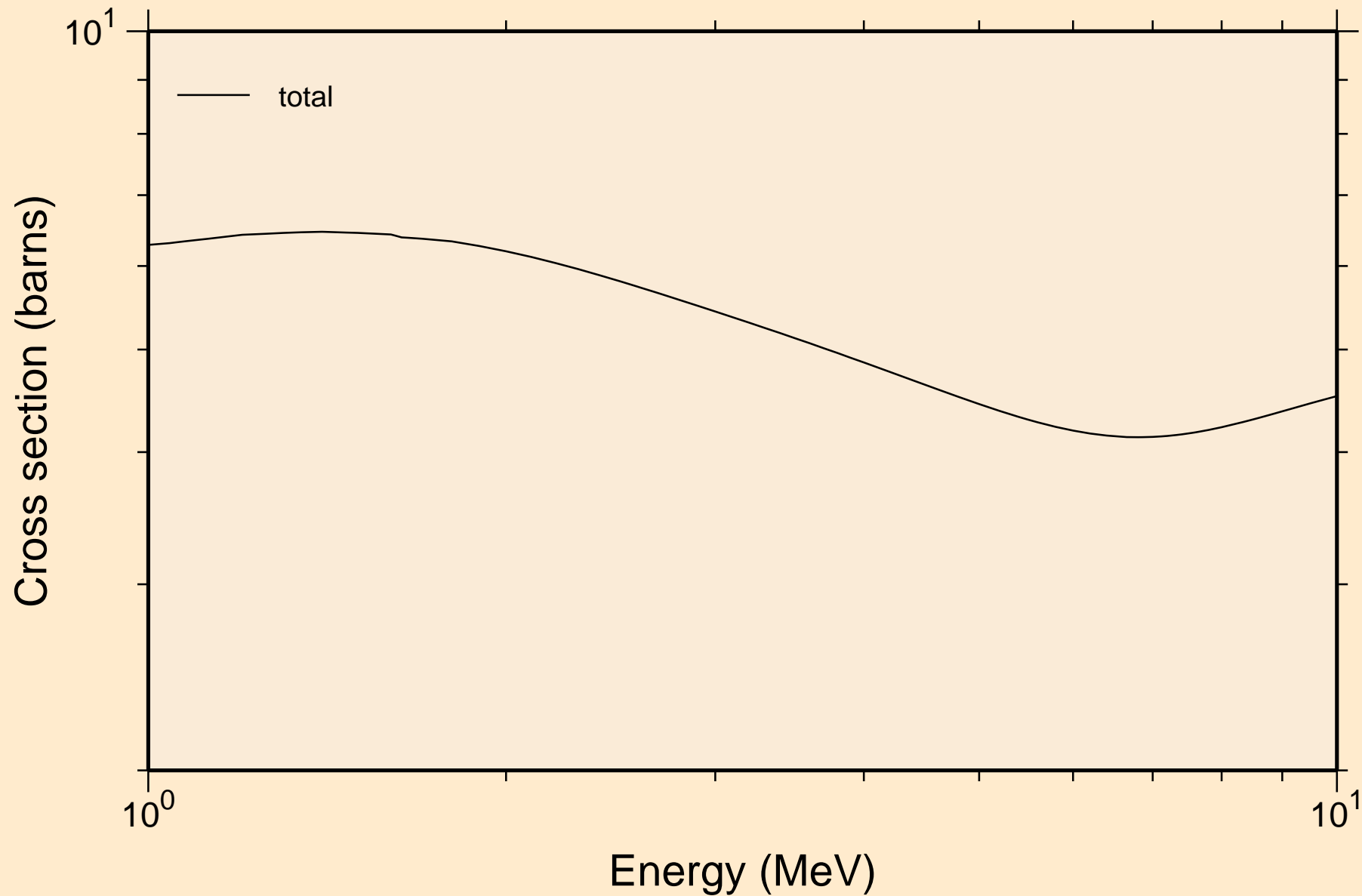
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resonance total cross section



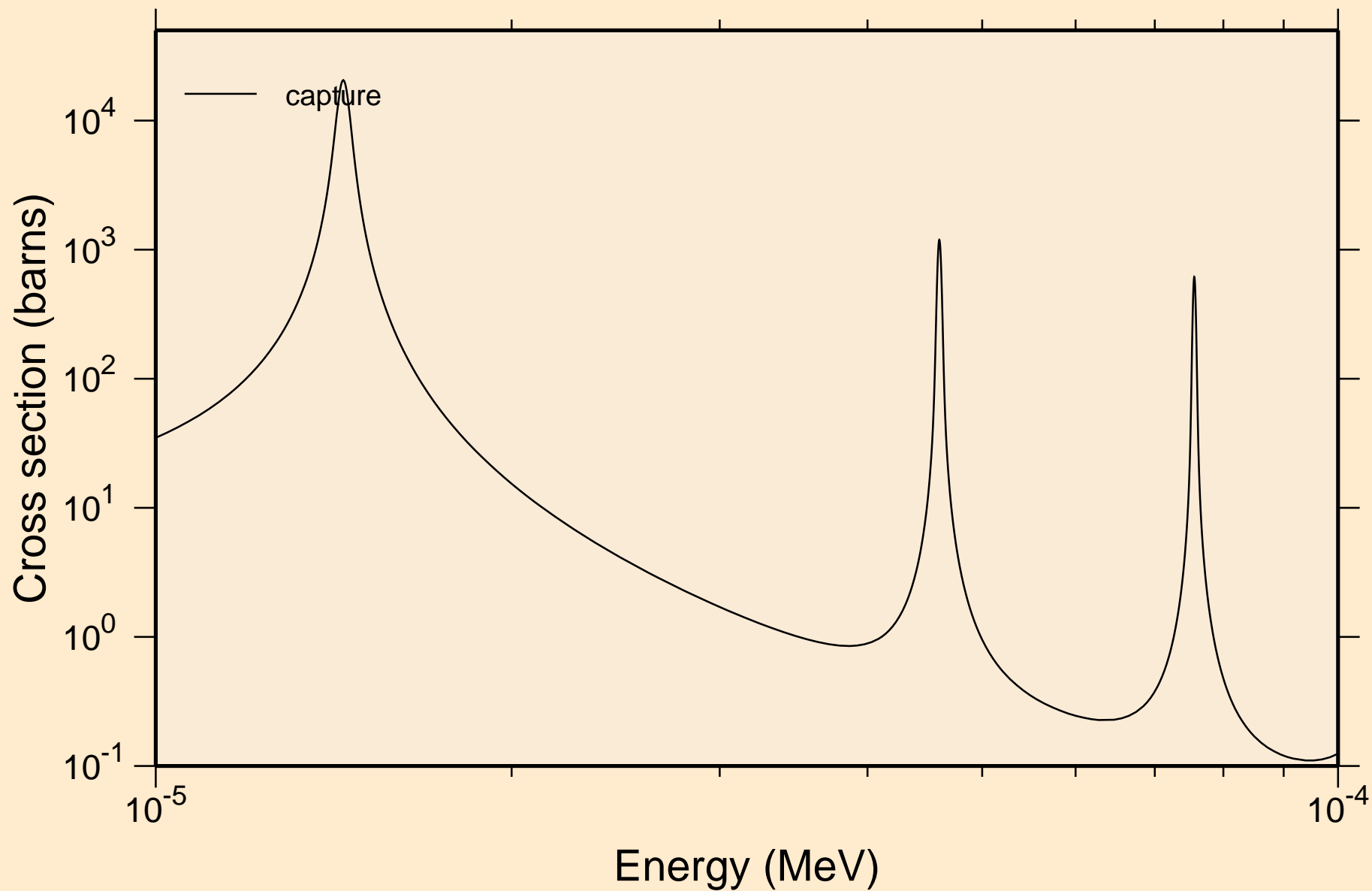
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resonance total cross section



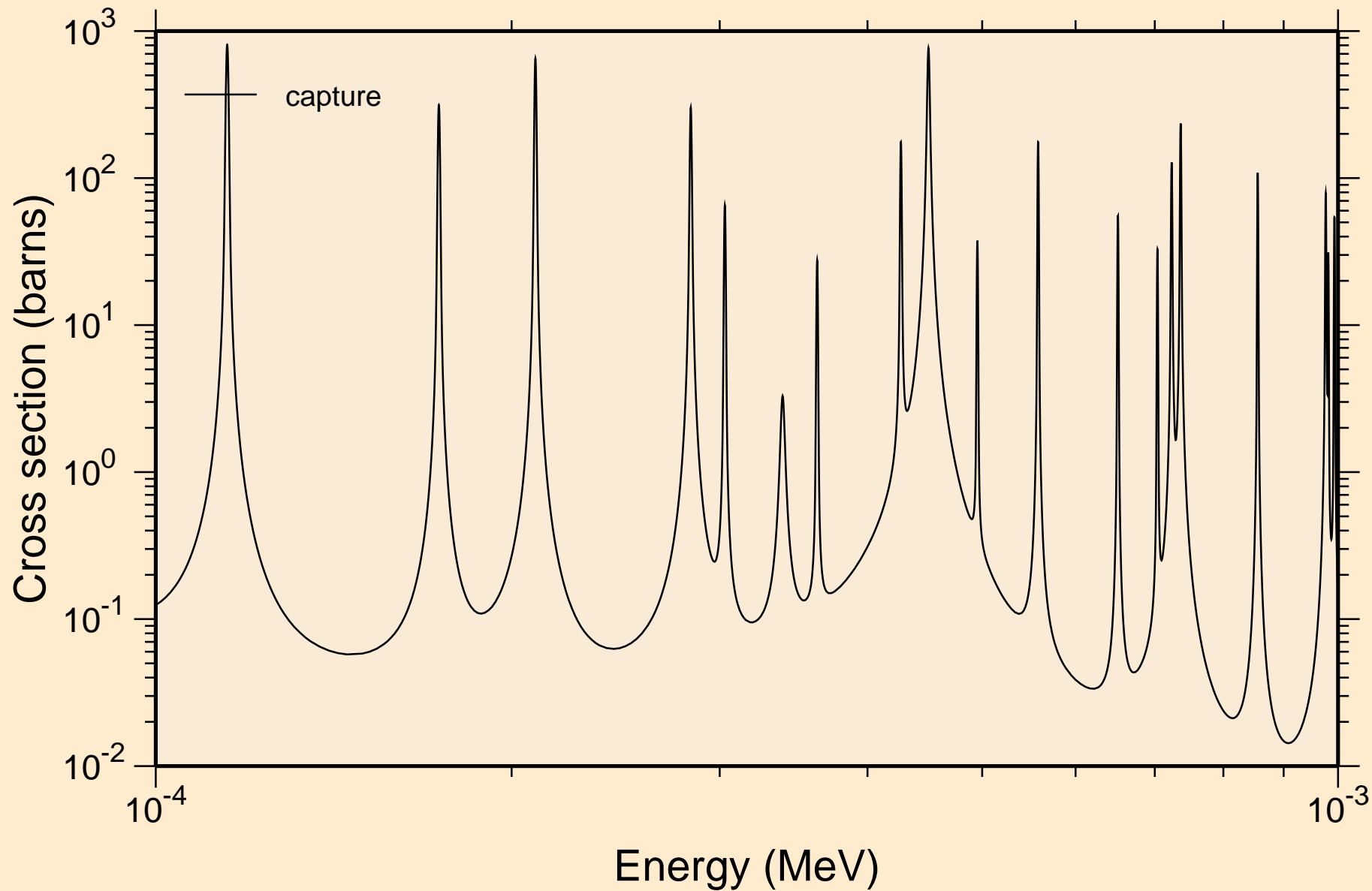
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections

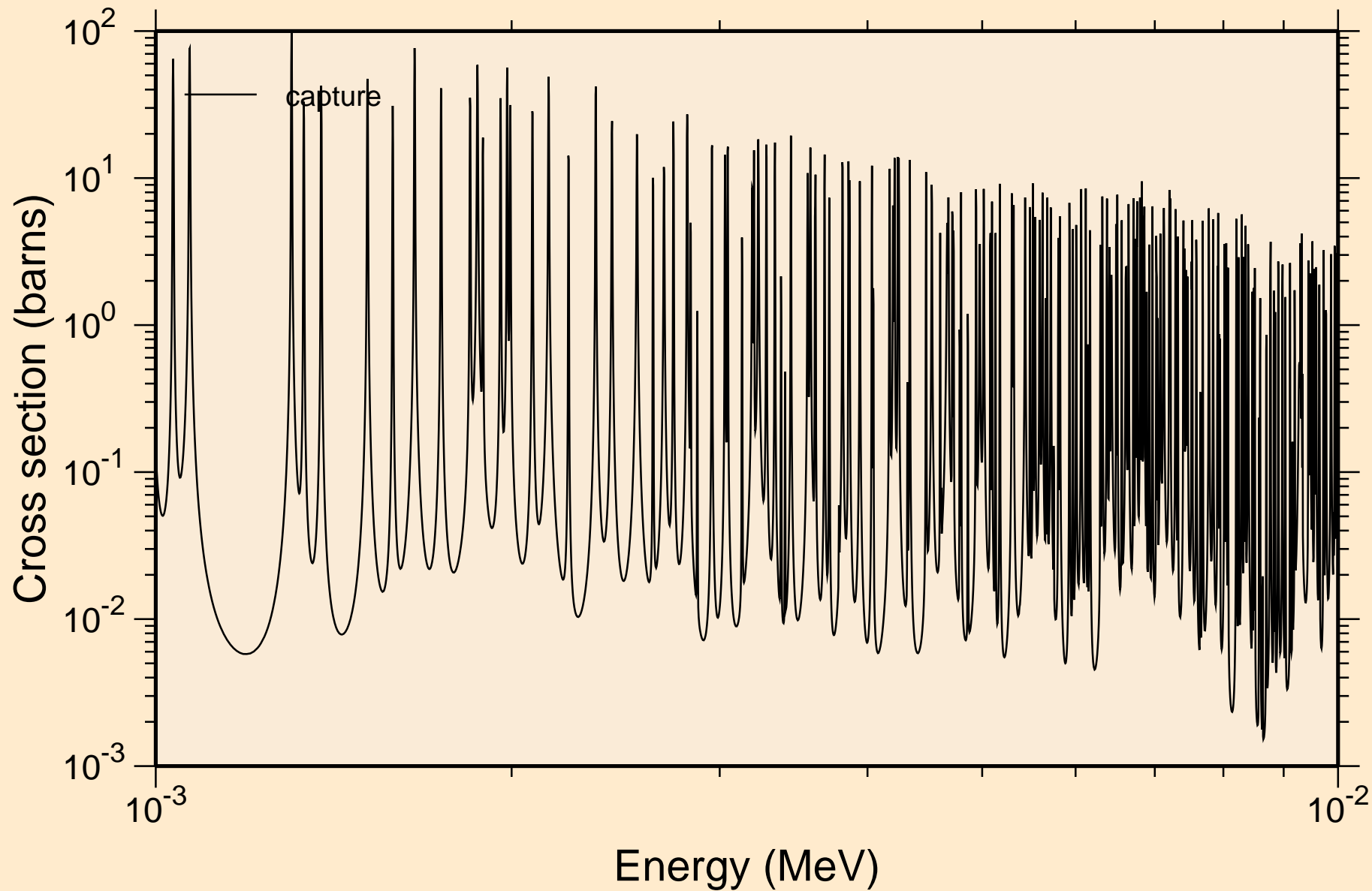


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections

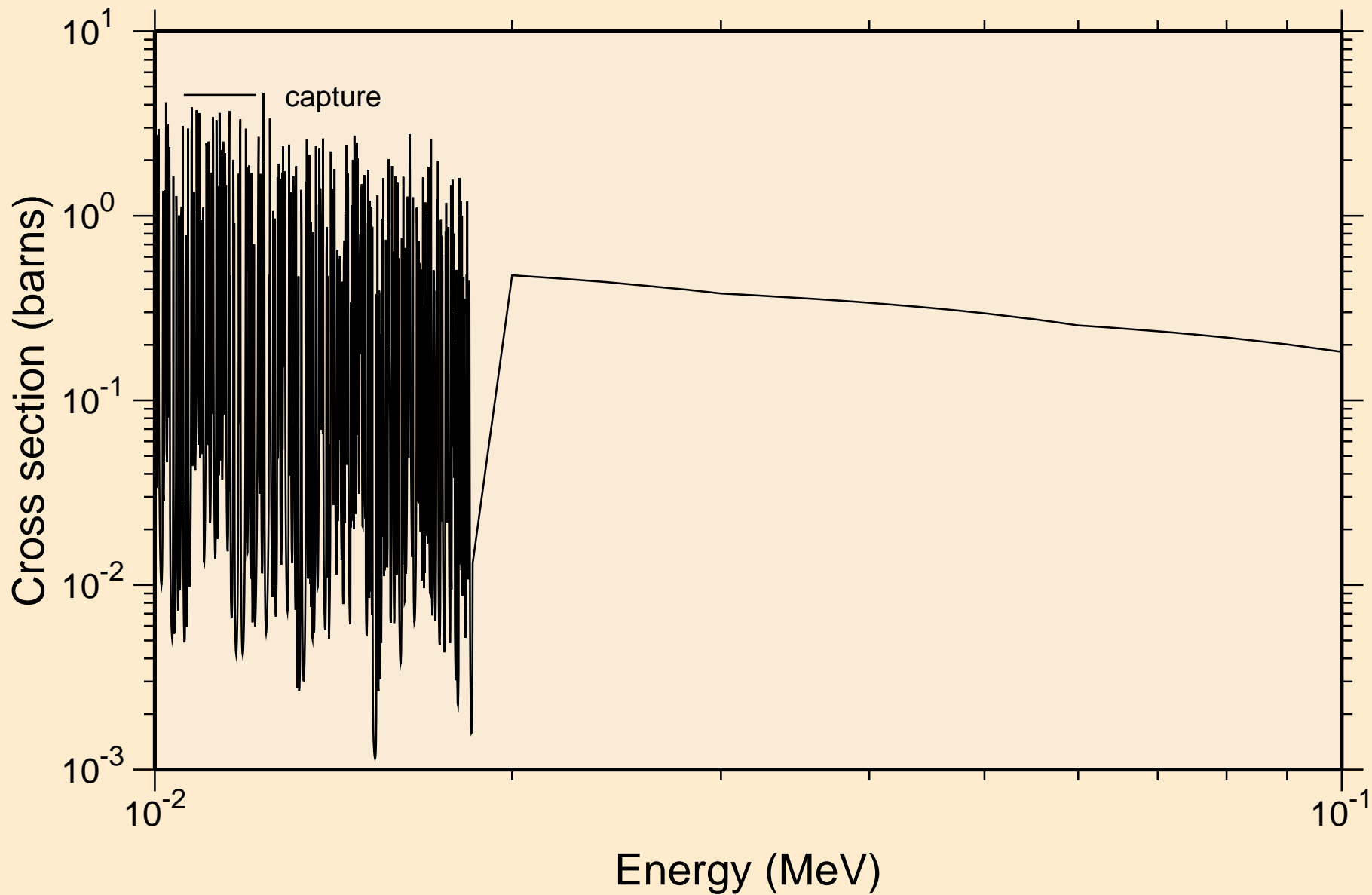




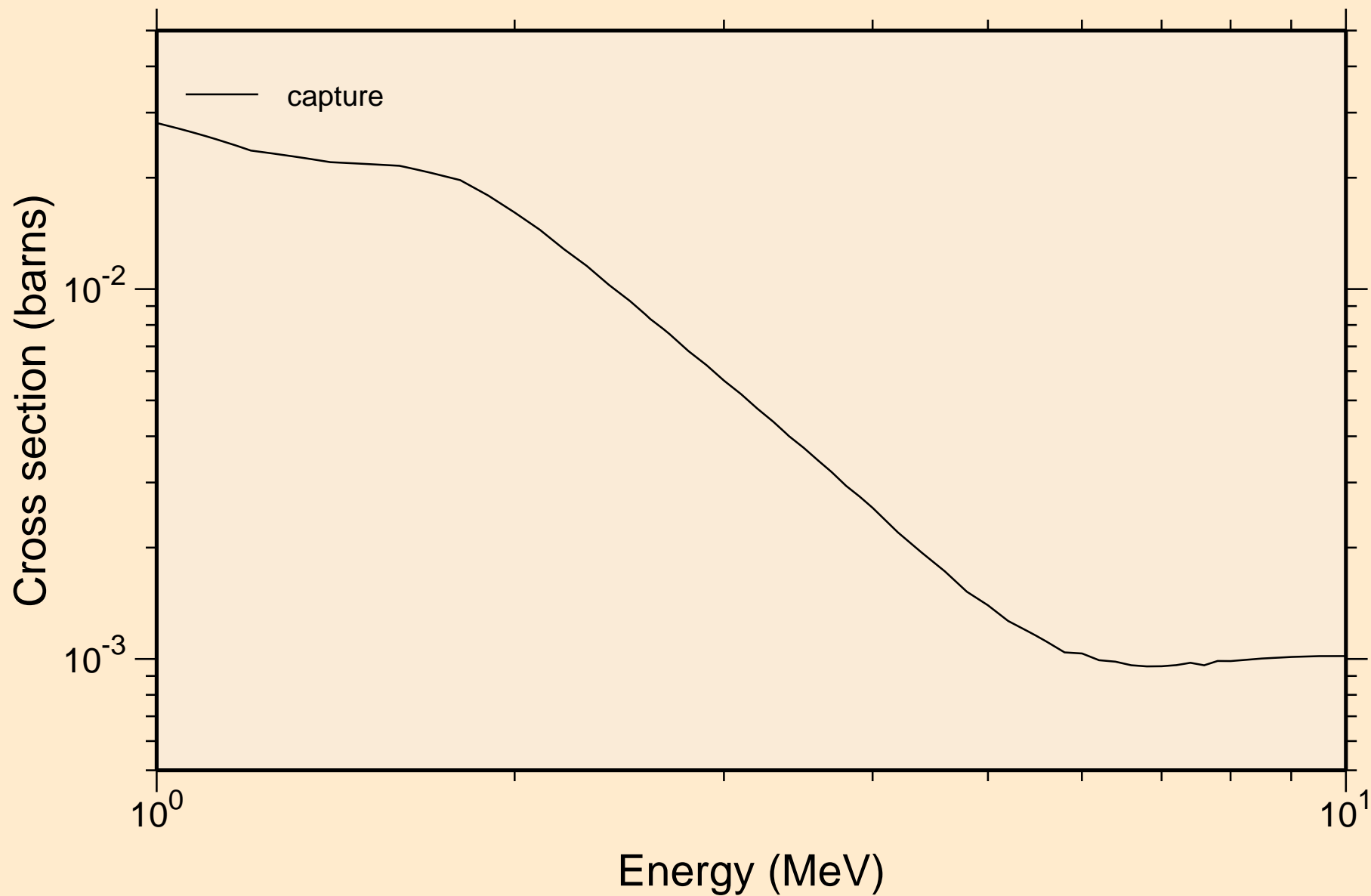
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resonance absorption cross sections



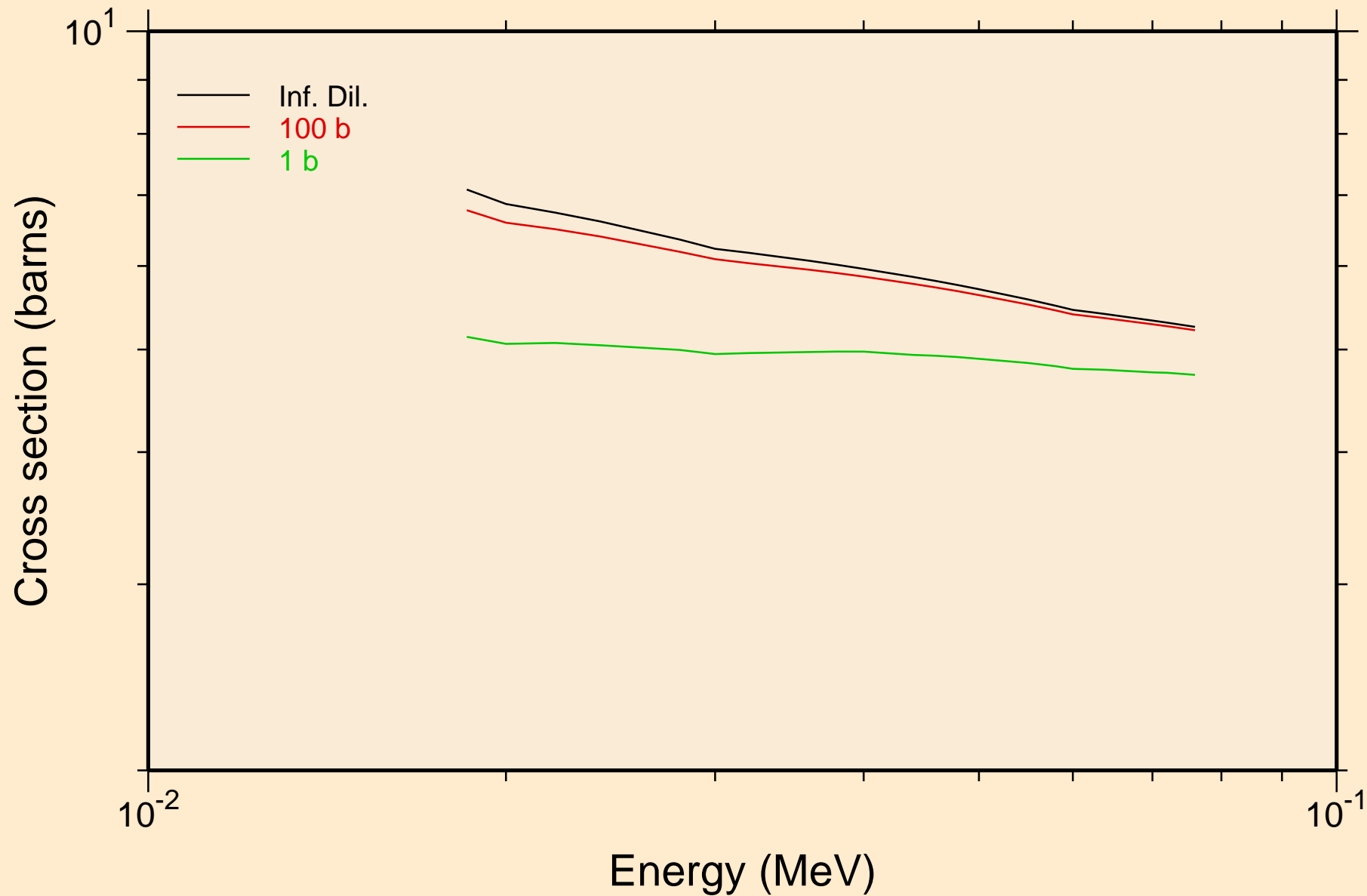
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resonance absorption cross sections



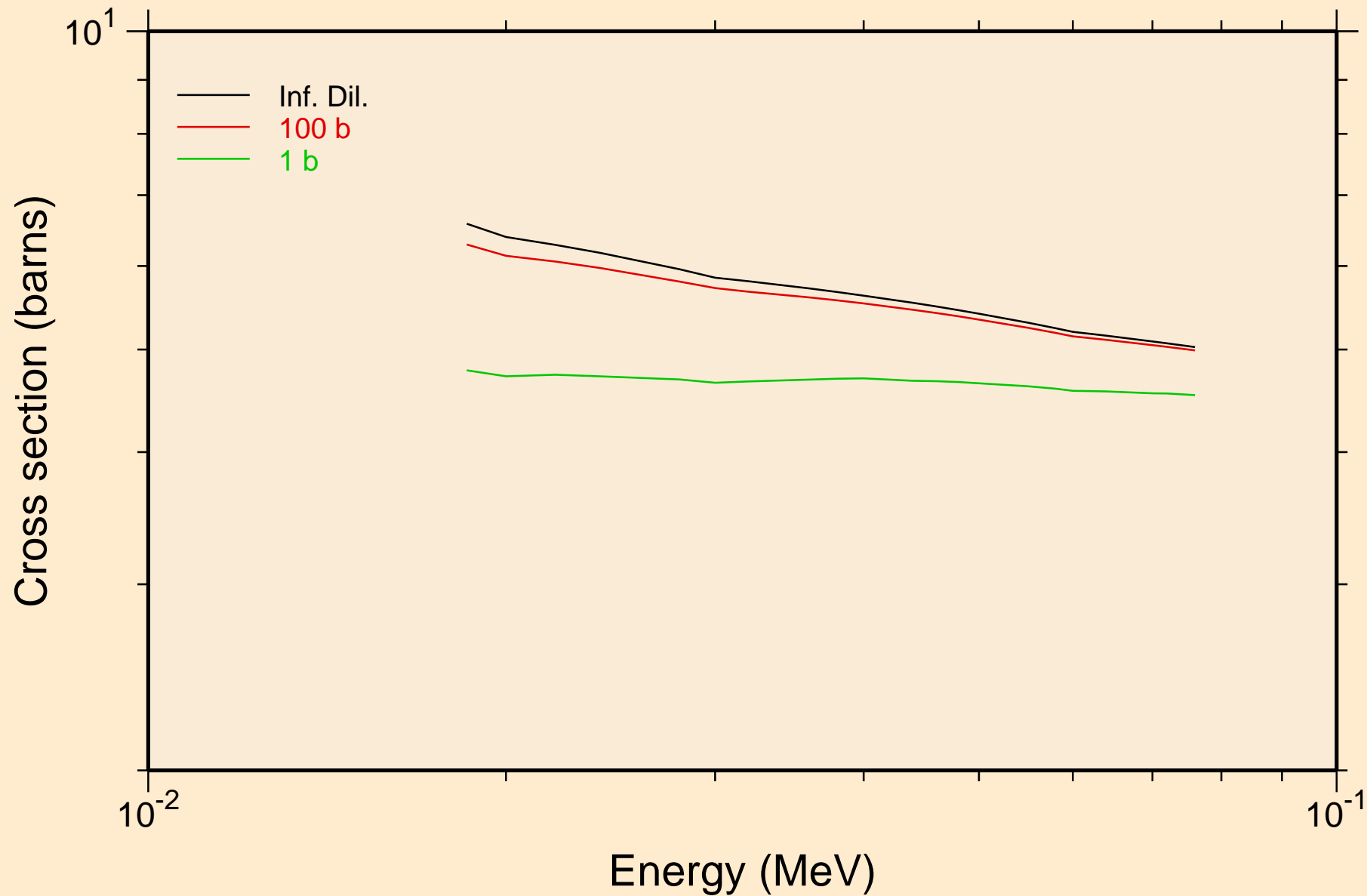
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resonance absorption cross sections



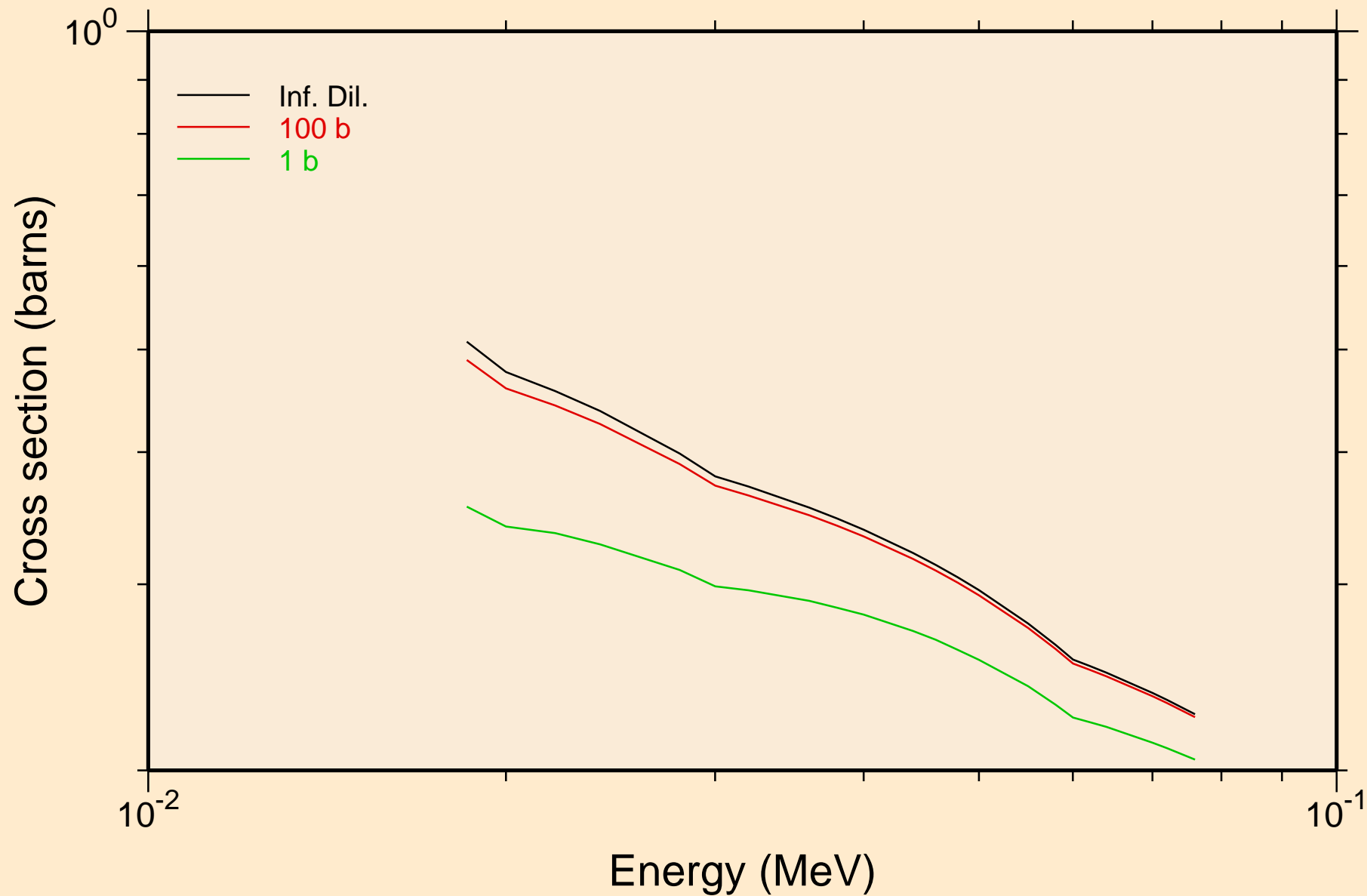
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UR total cross section



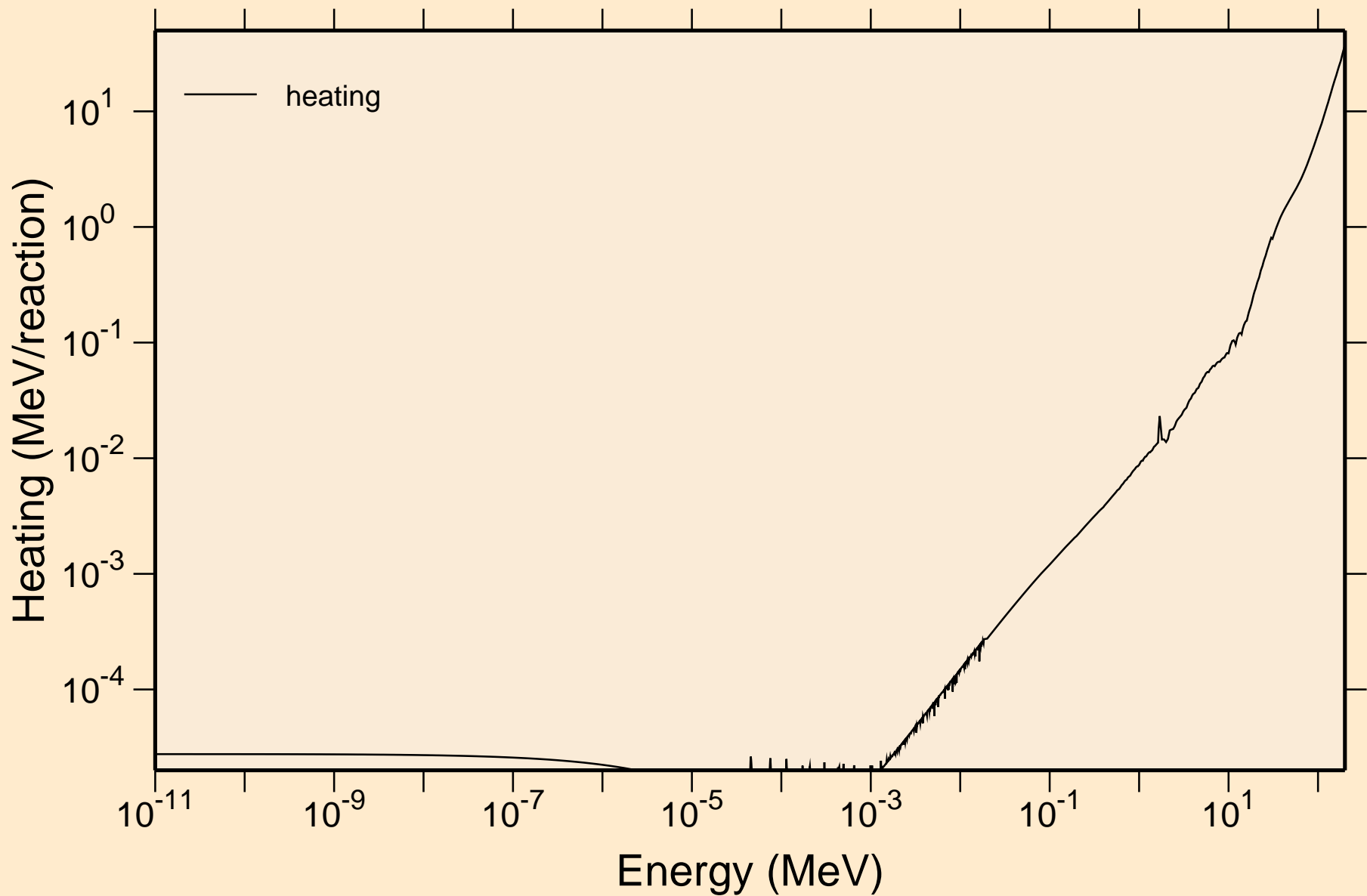
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UR elastic cross section



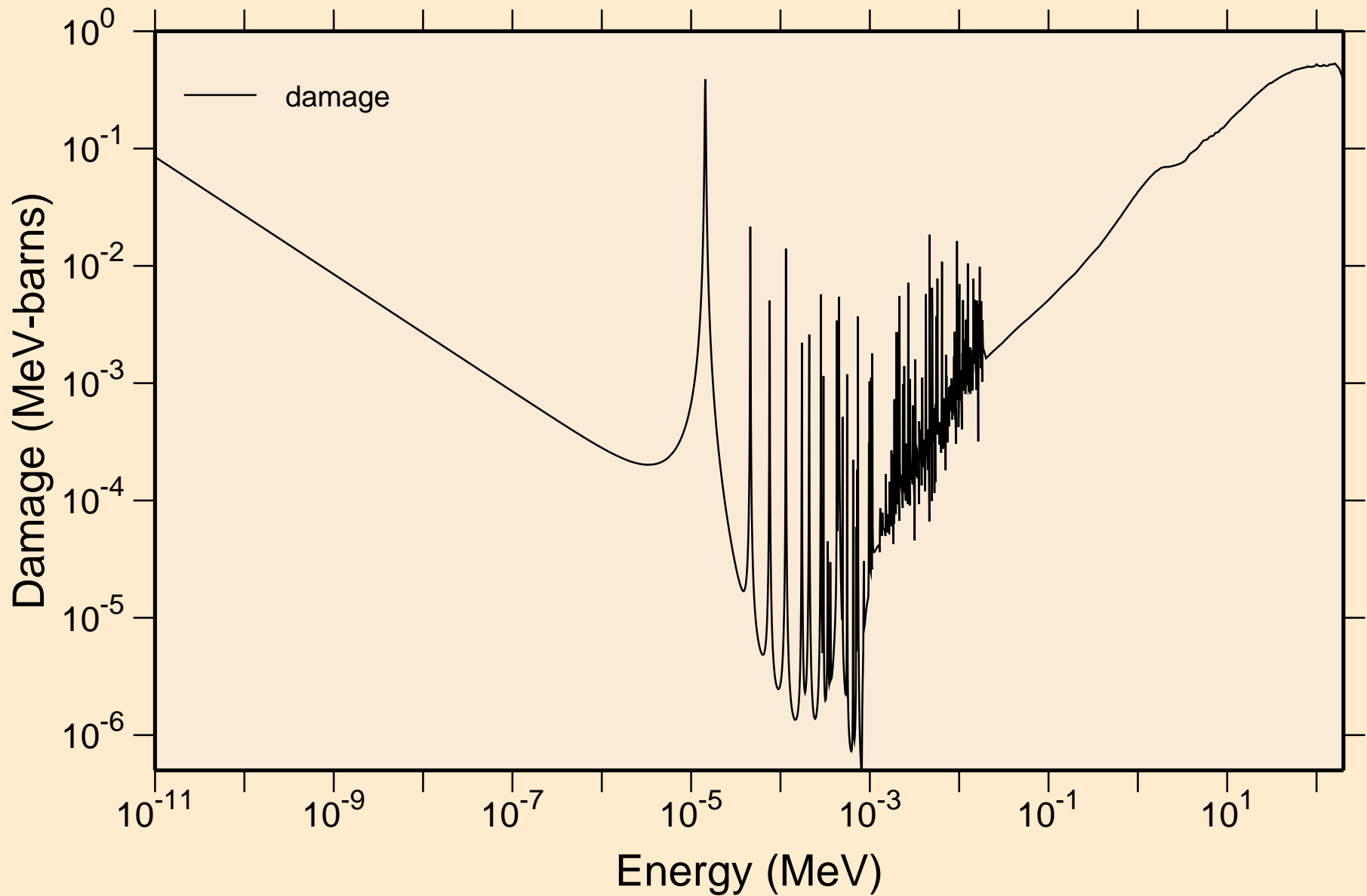
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
UR capture cross section



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating

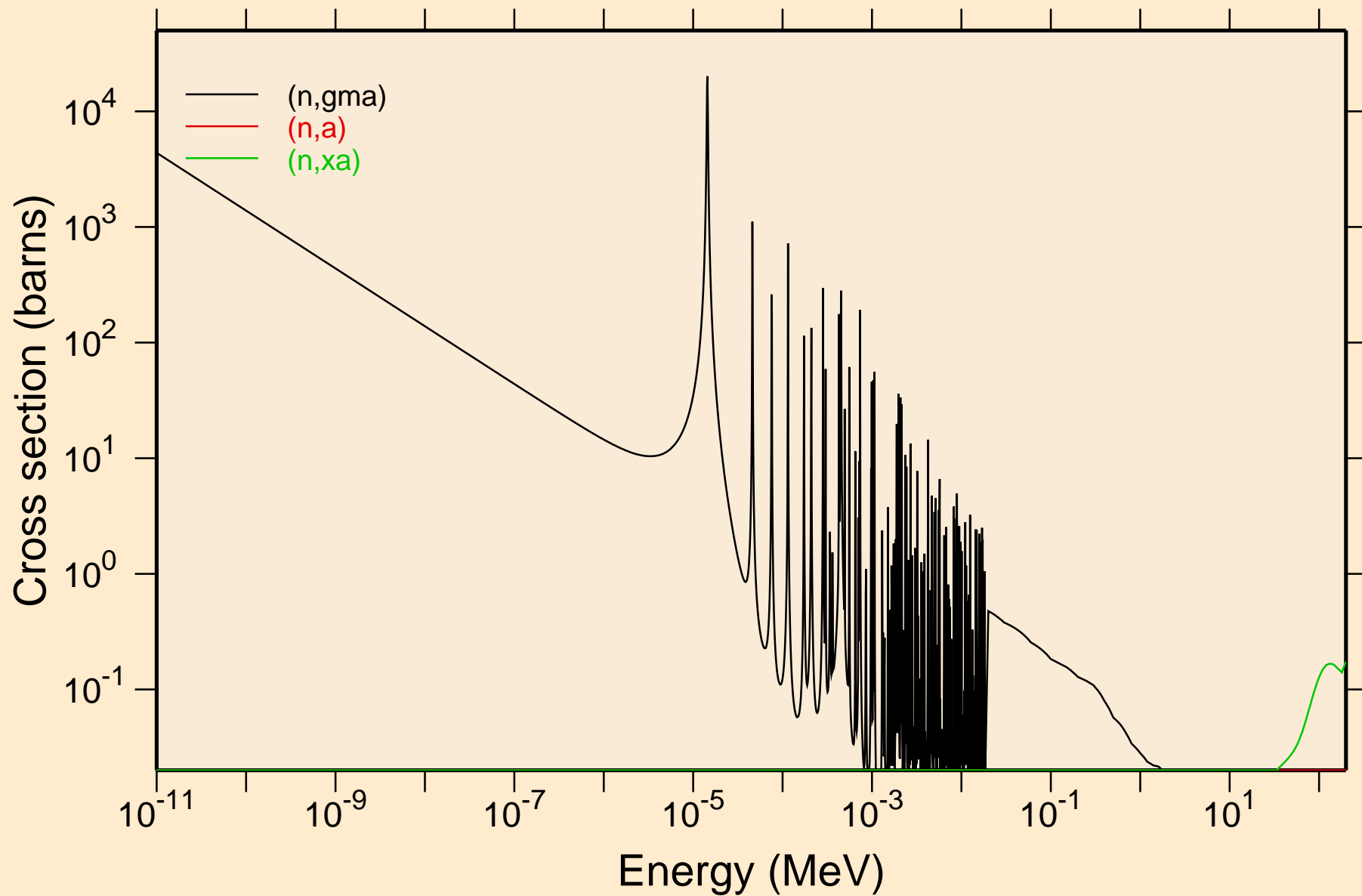


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage



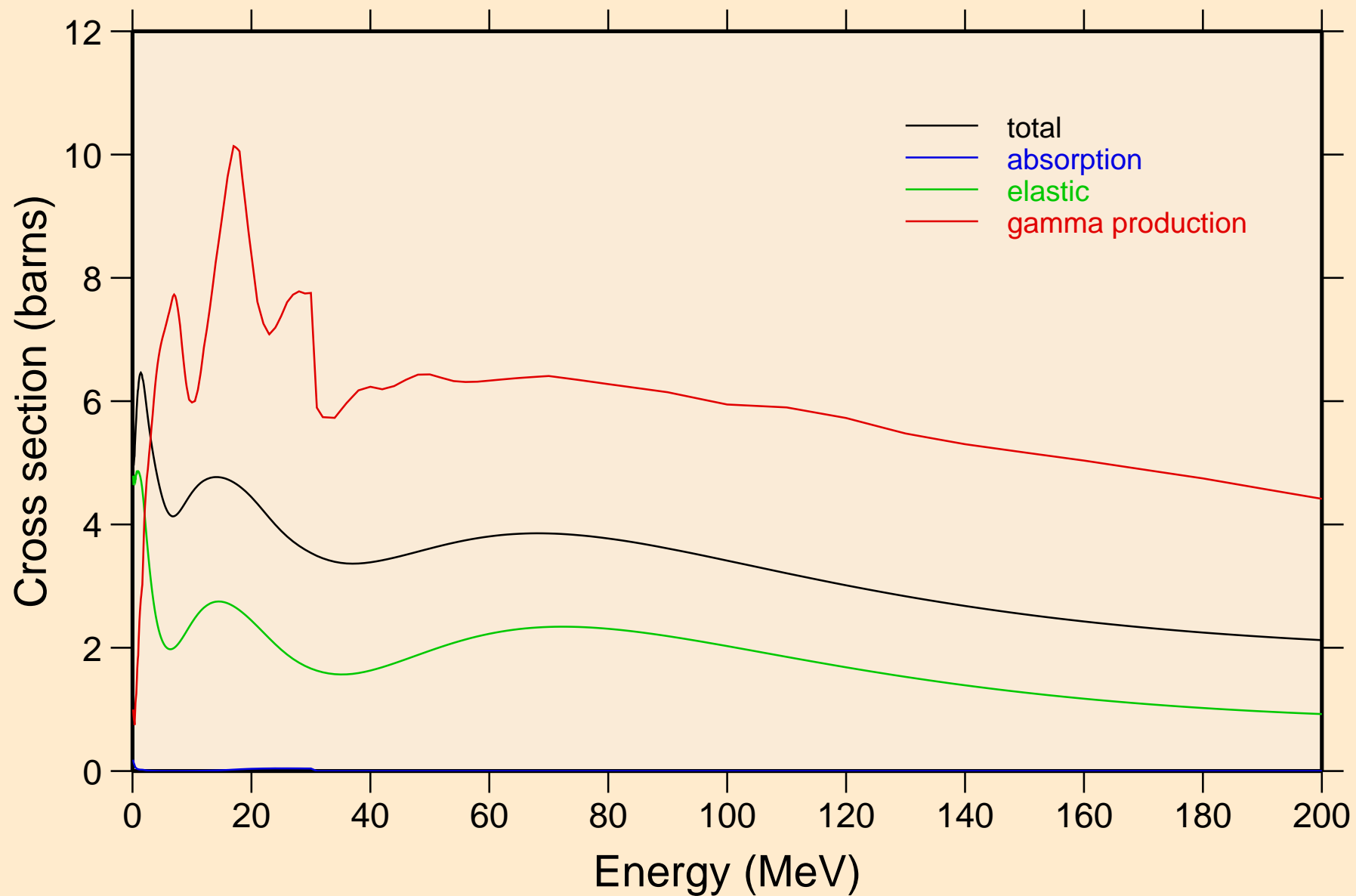


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions

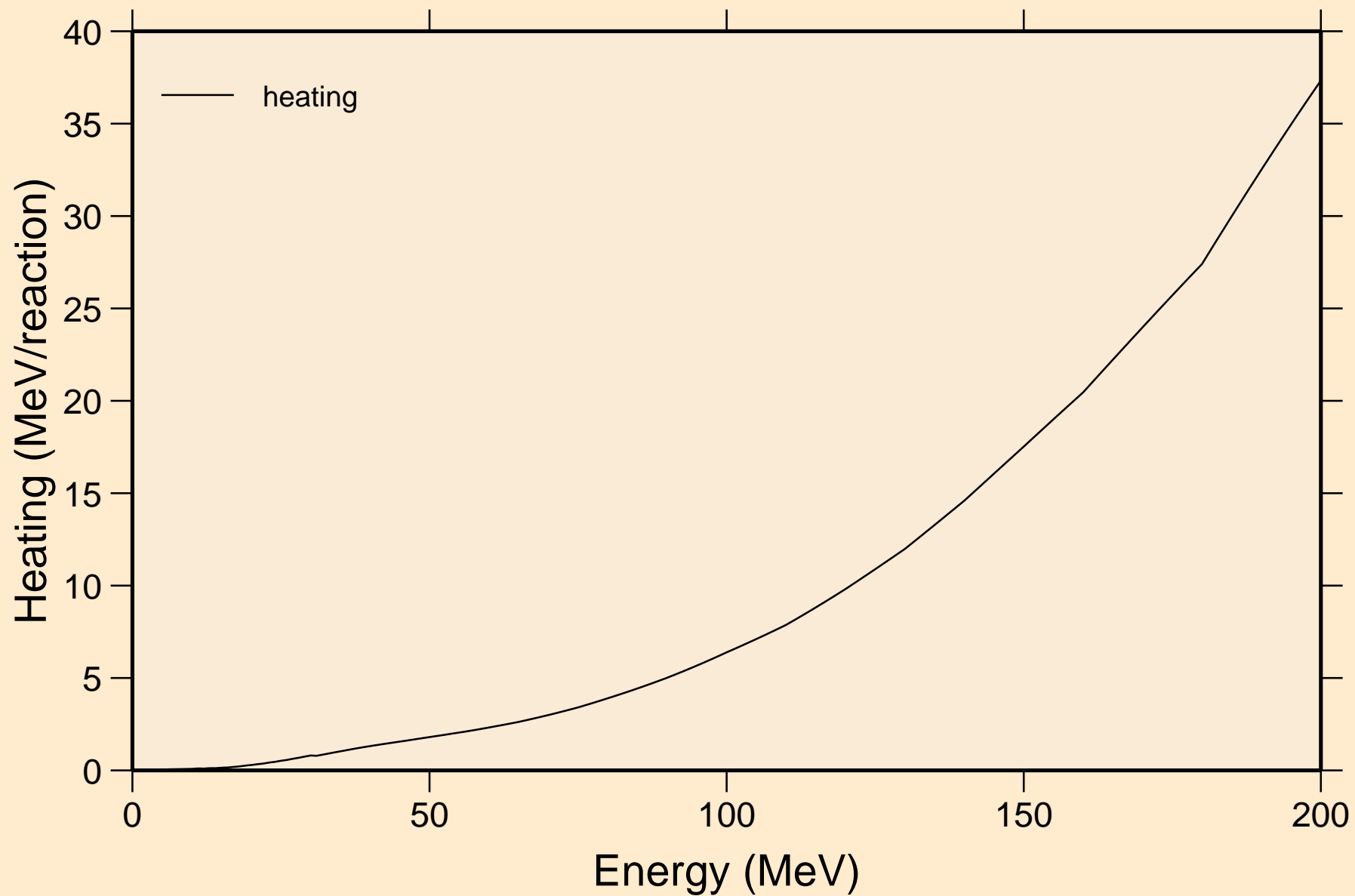


# MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC

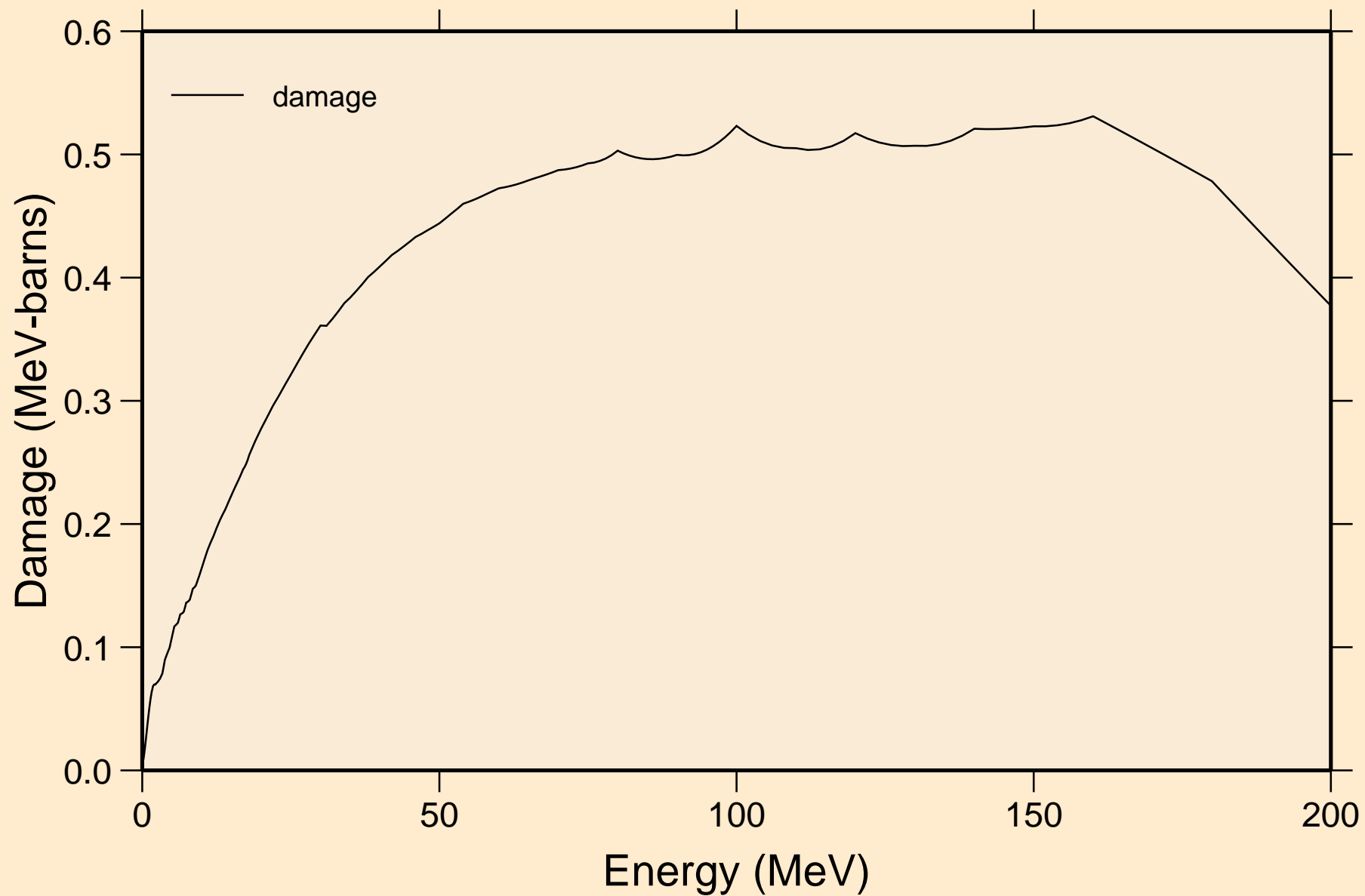
## Principal cross sections



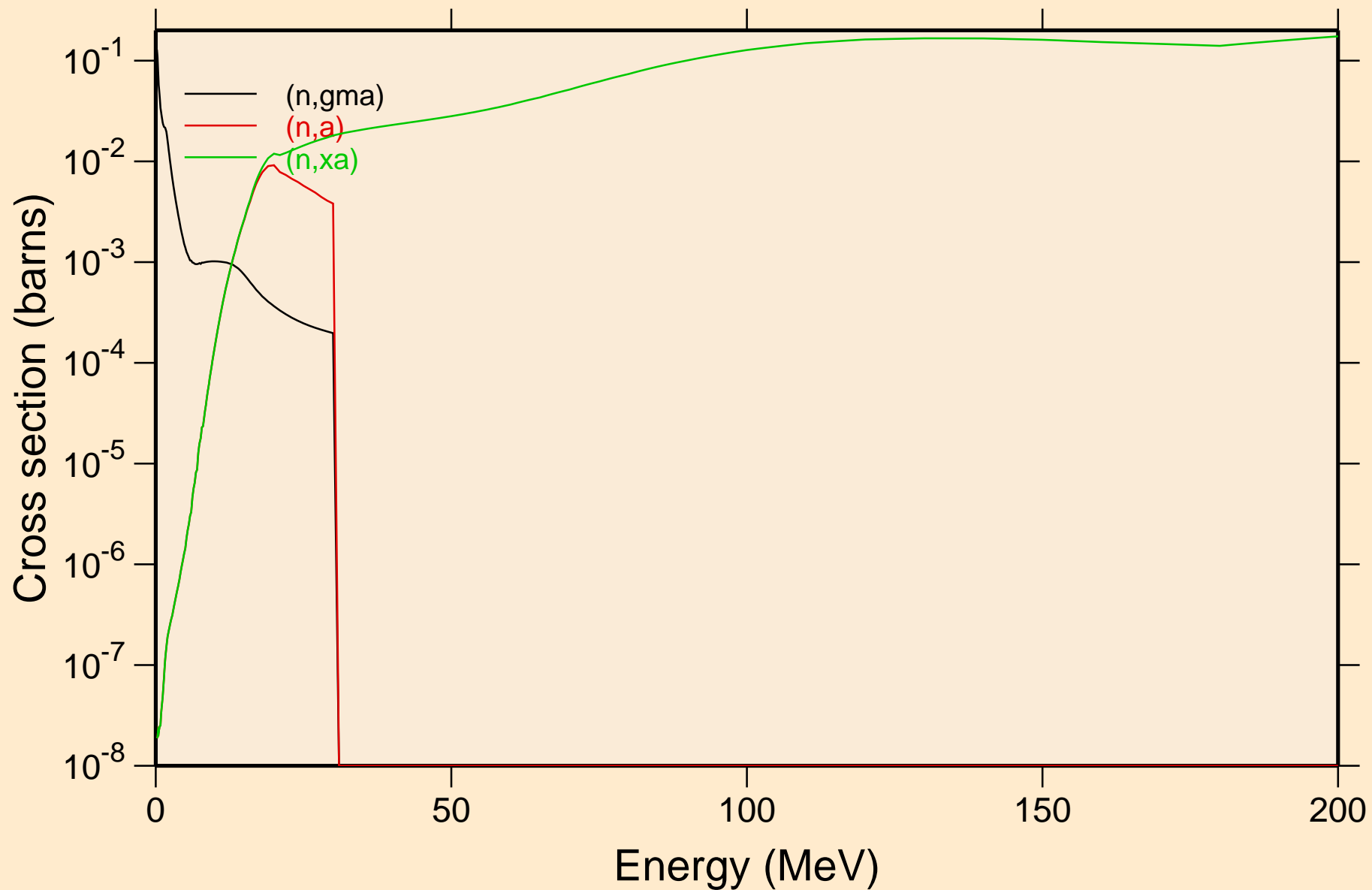
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



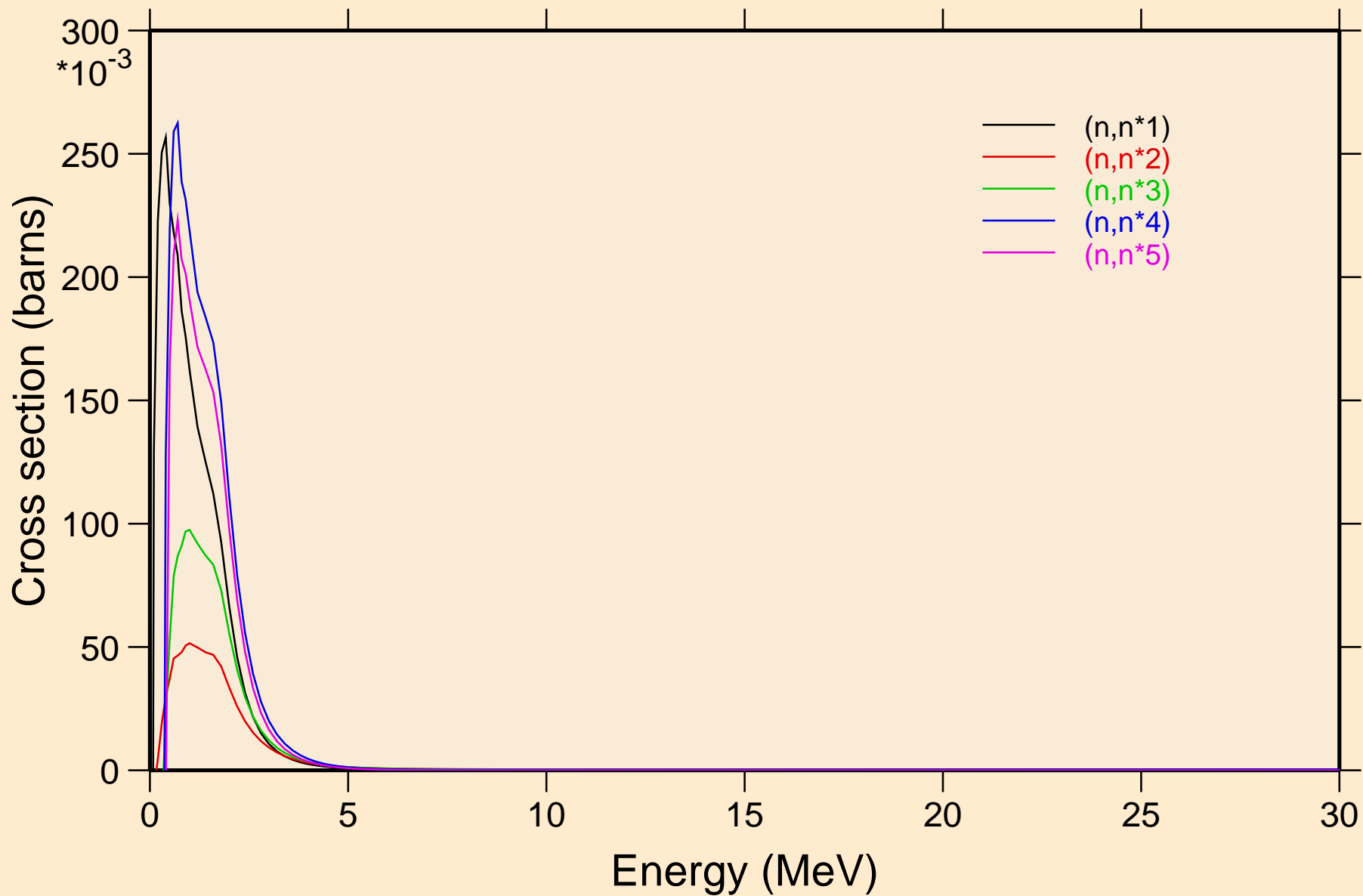
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage



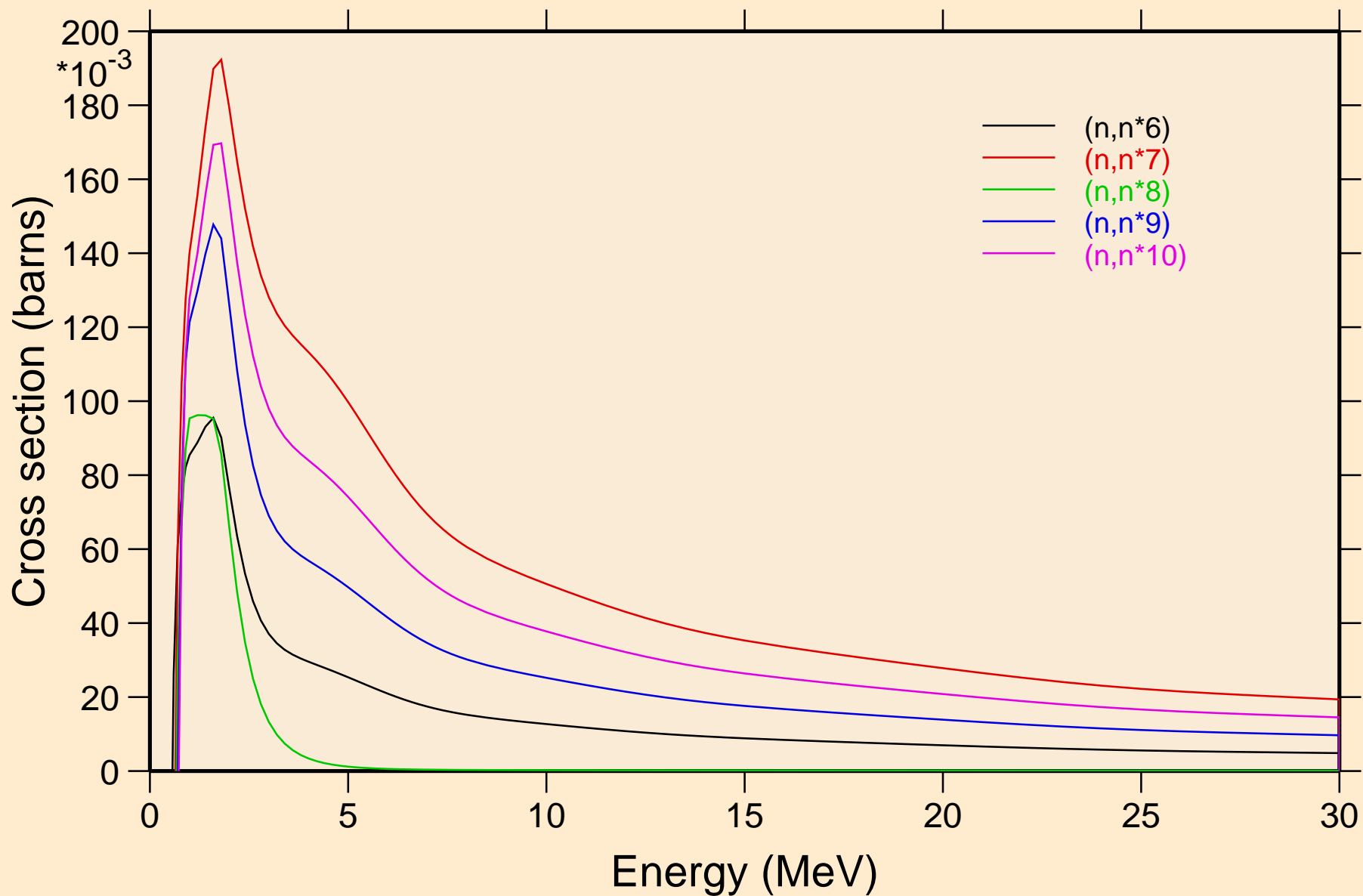
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Non-threshold reactions



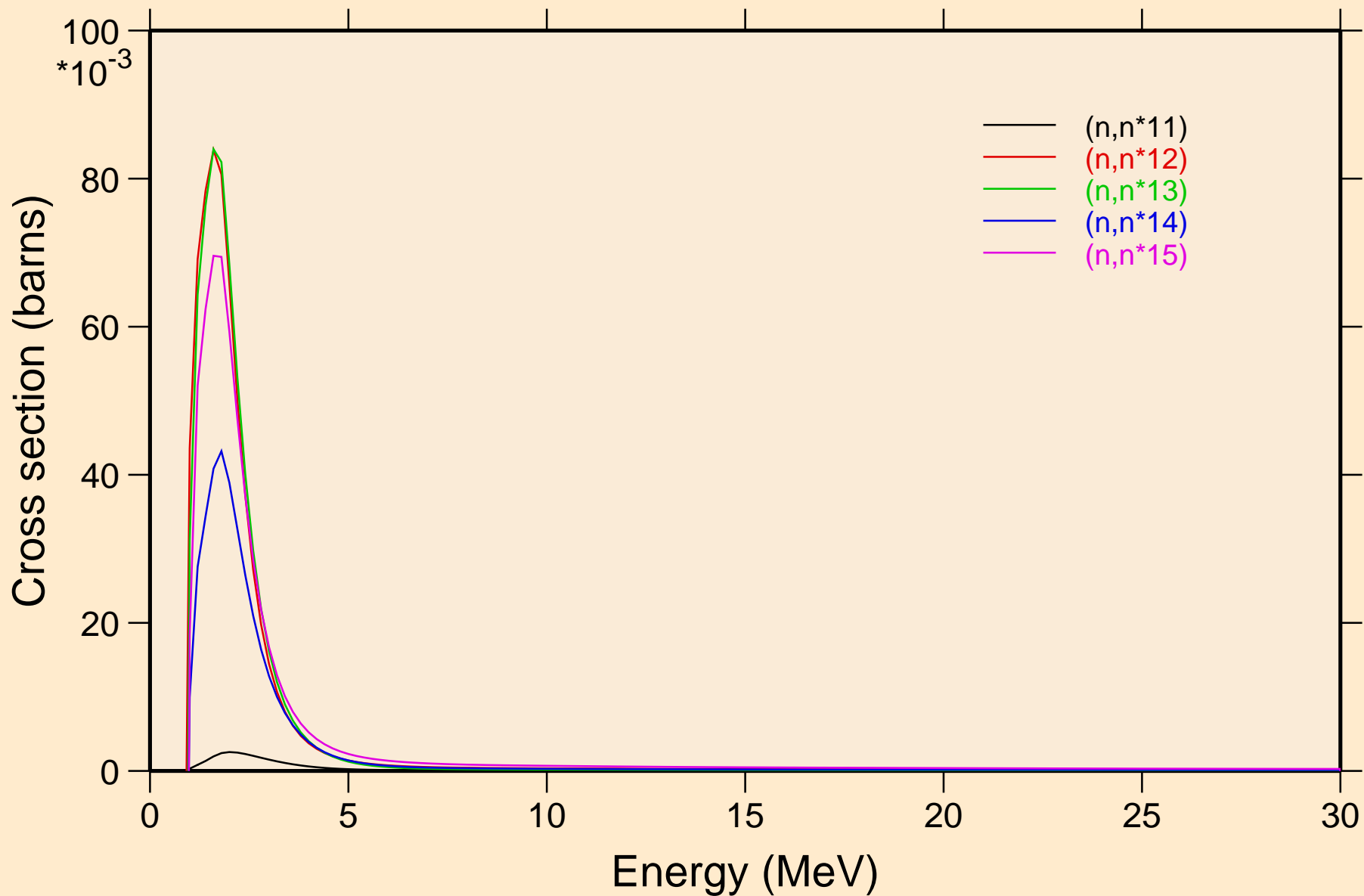
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

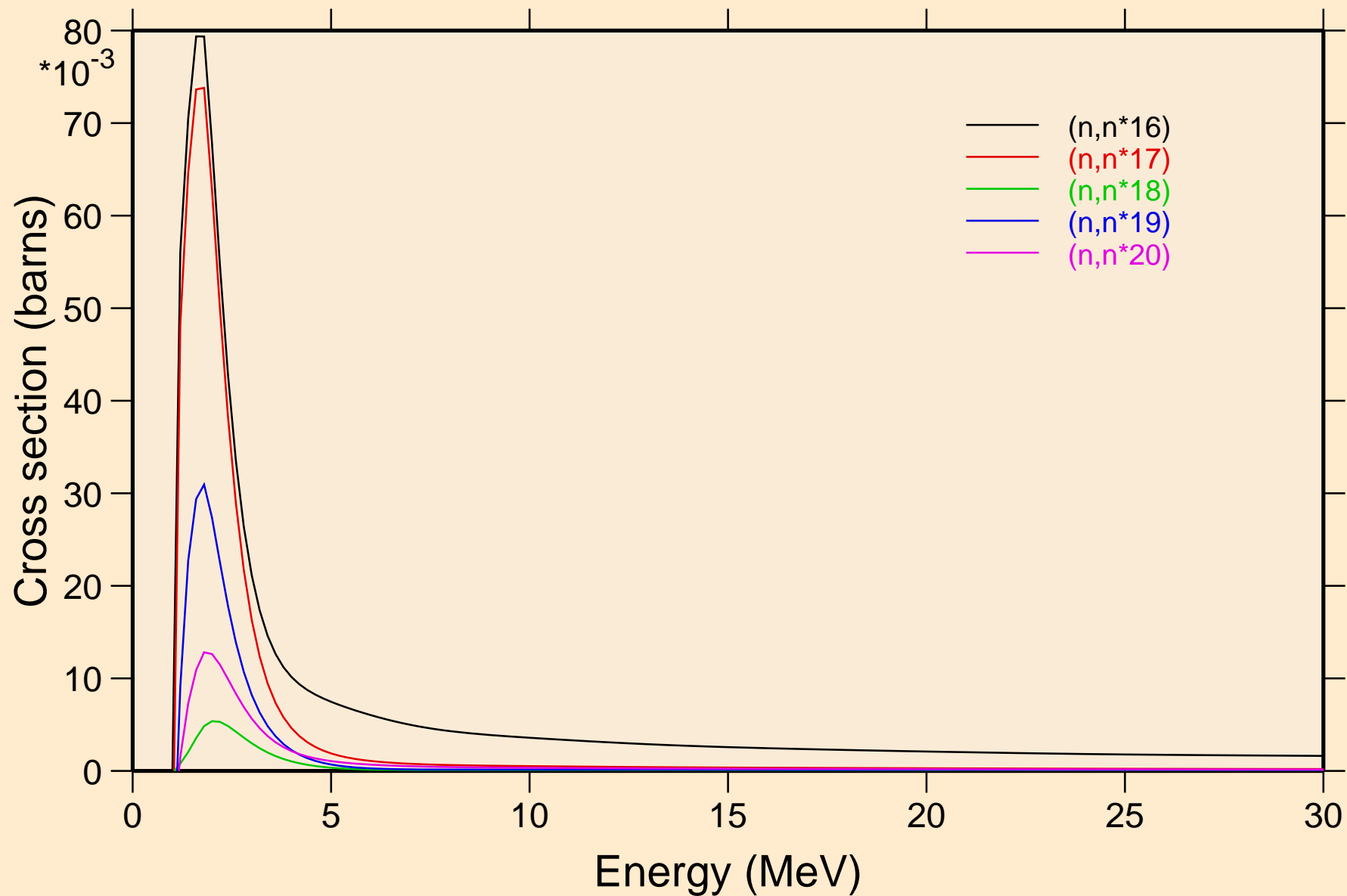


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

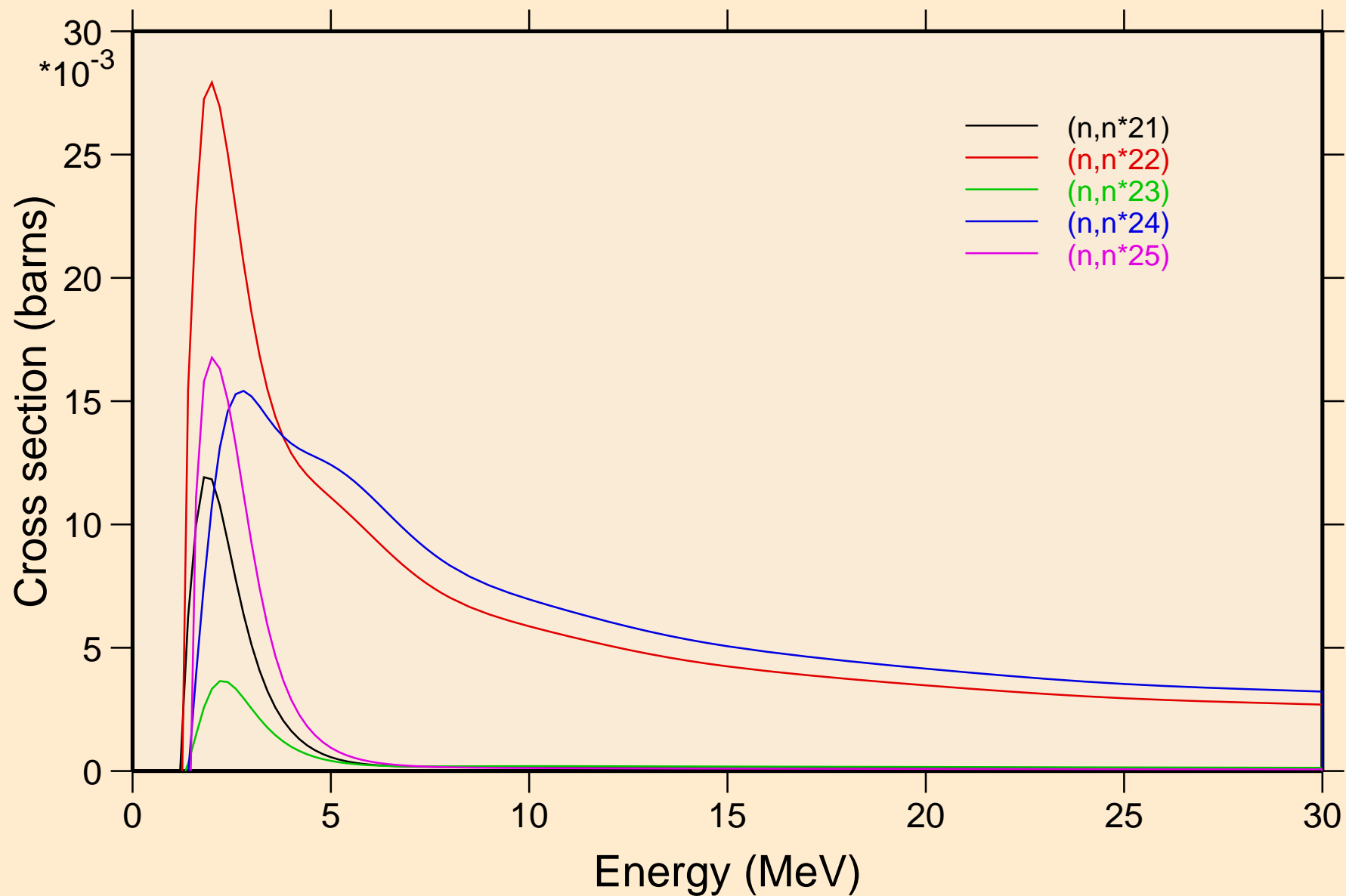




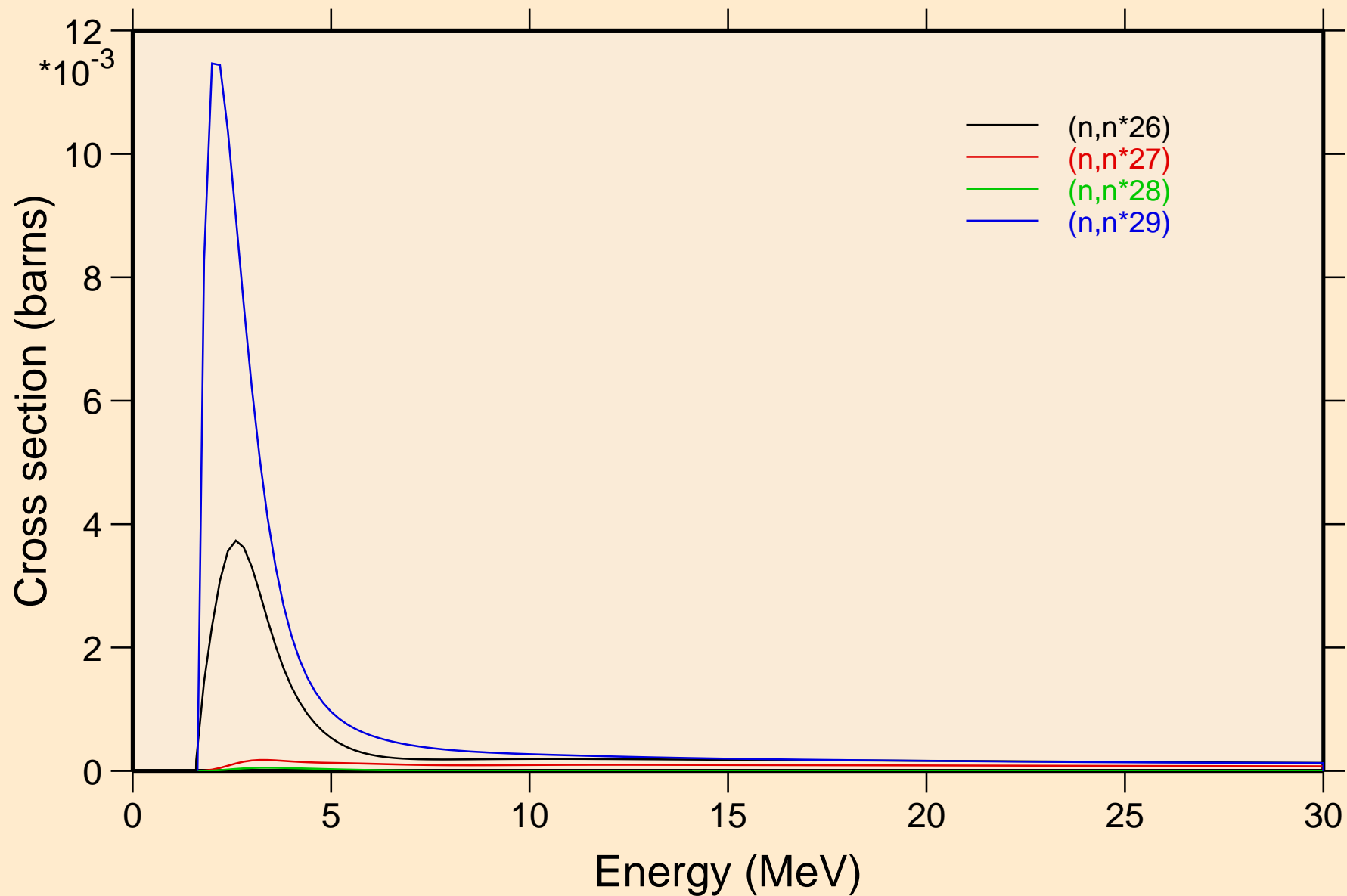
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



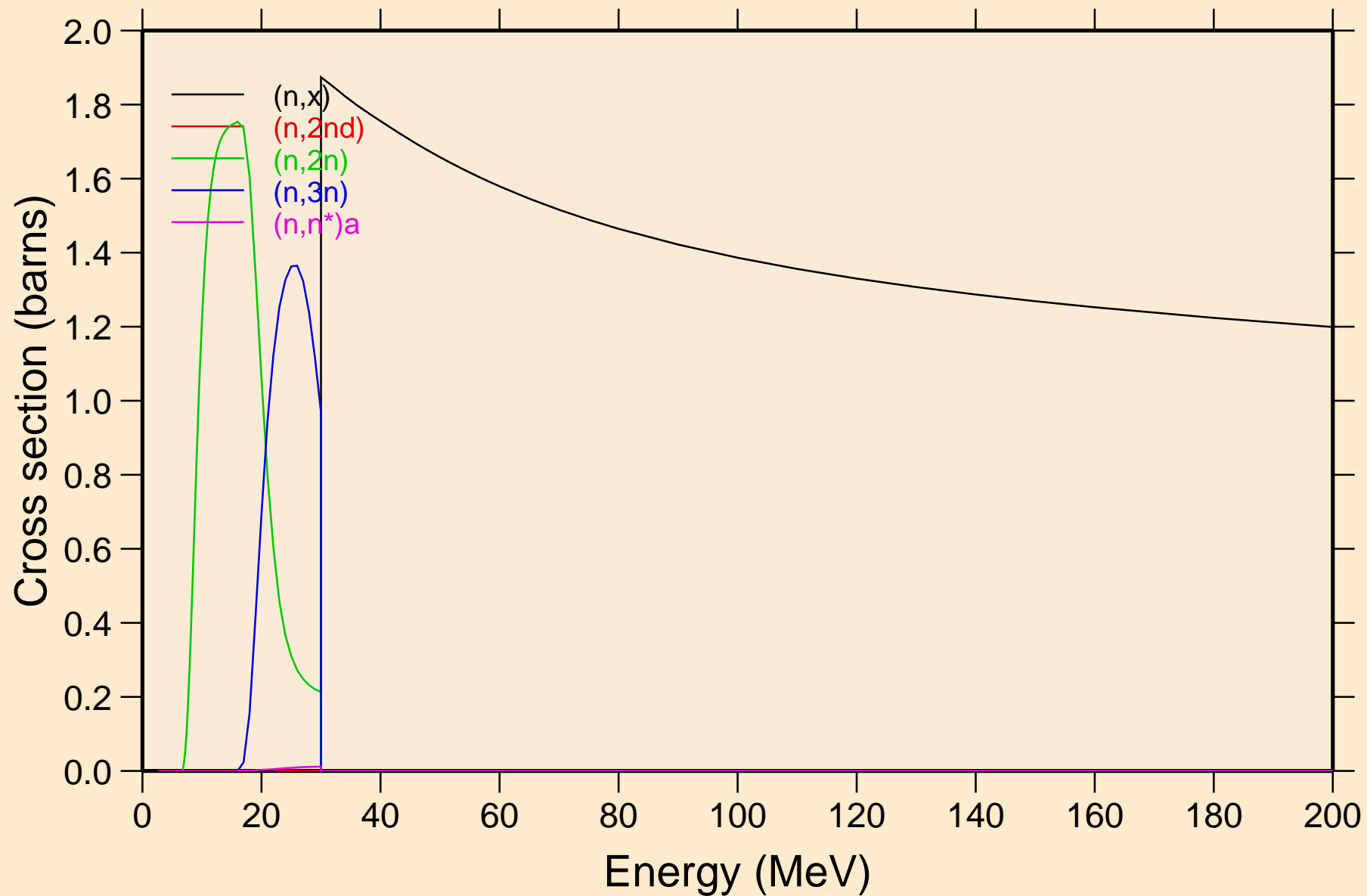
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Inelastic levels



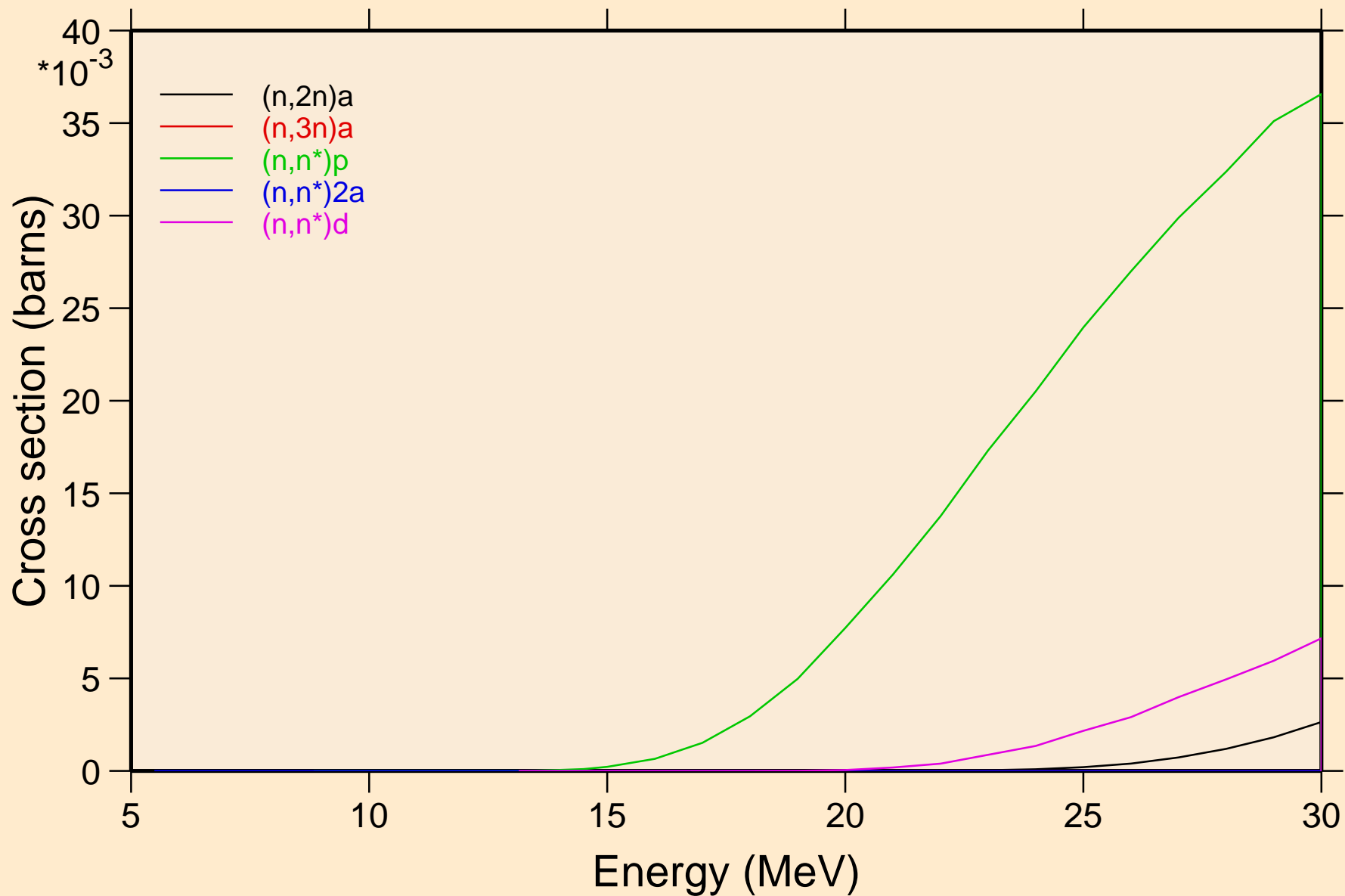
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



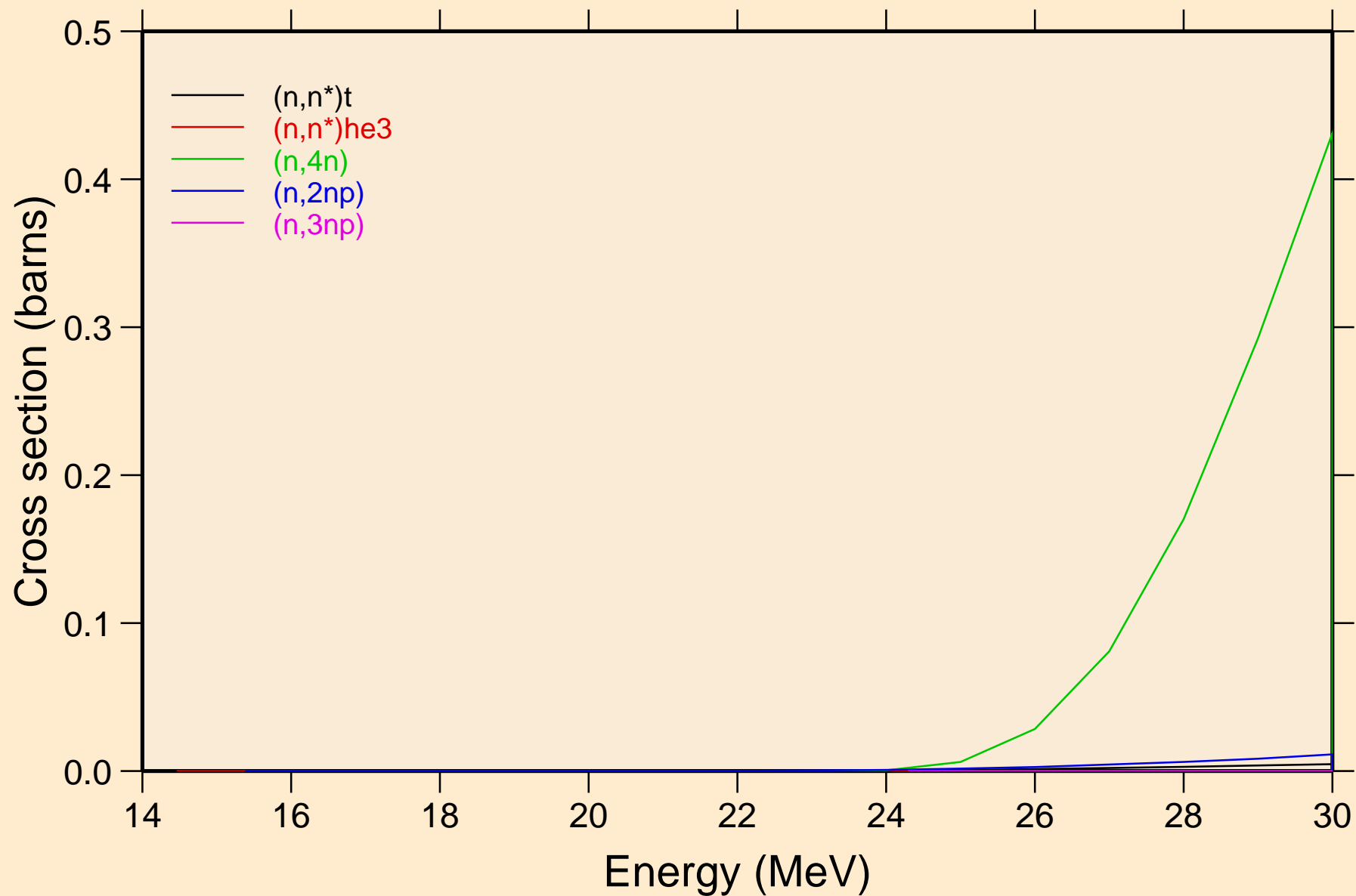
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



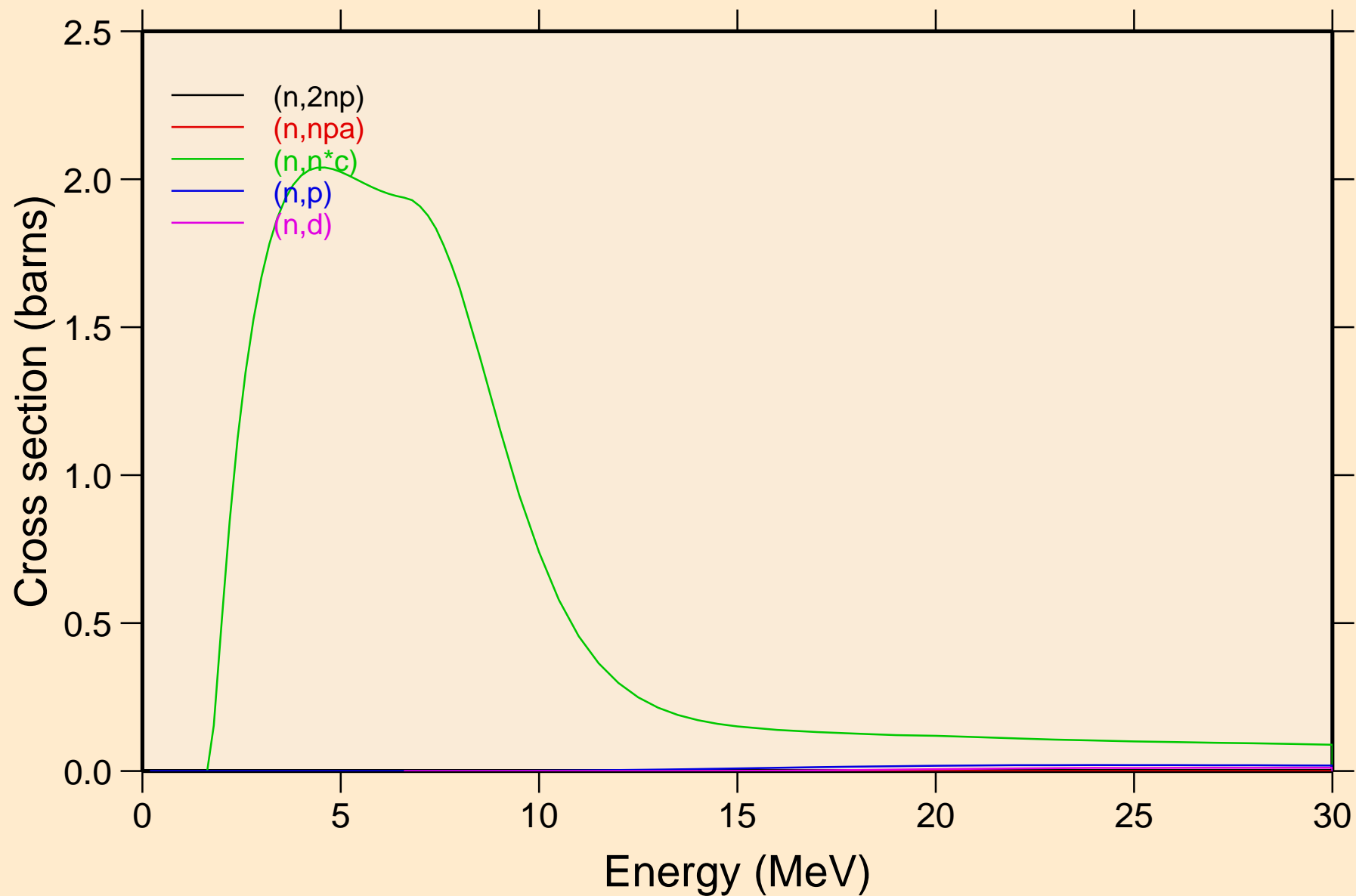
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



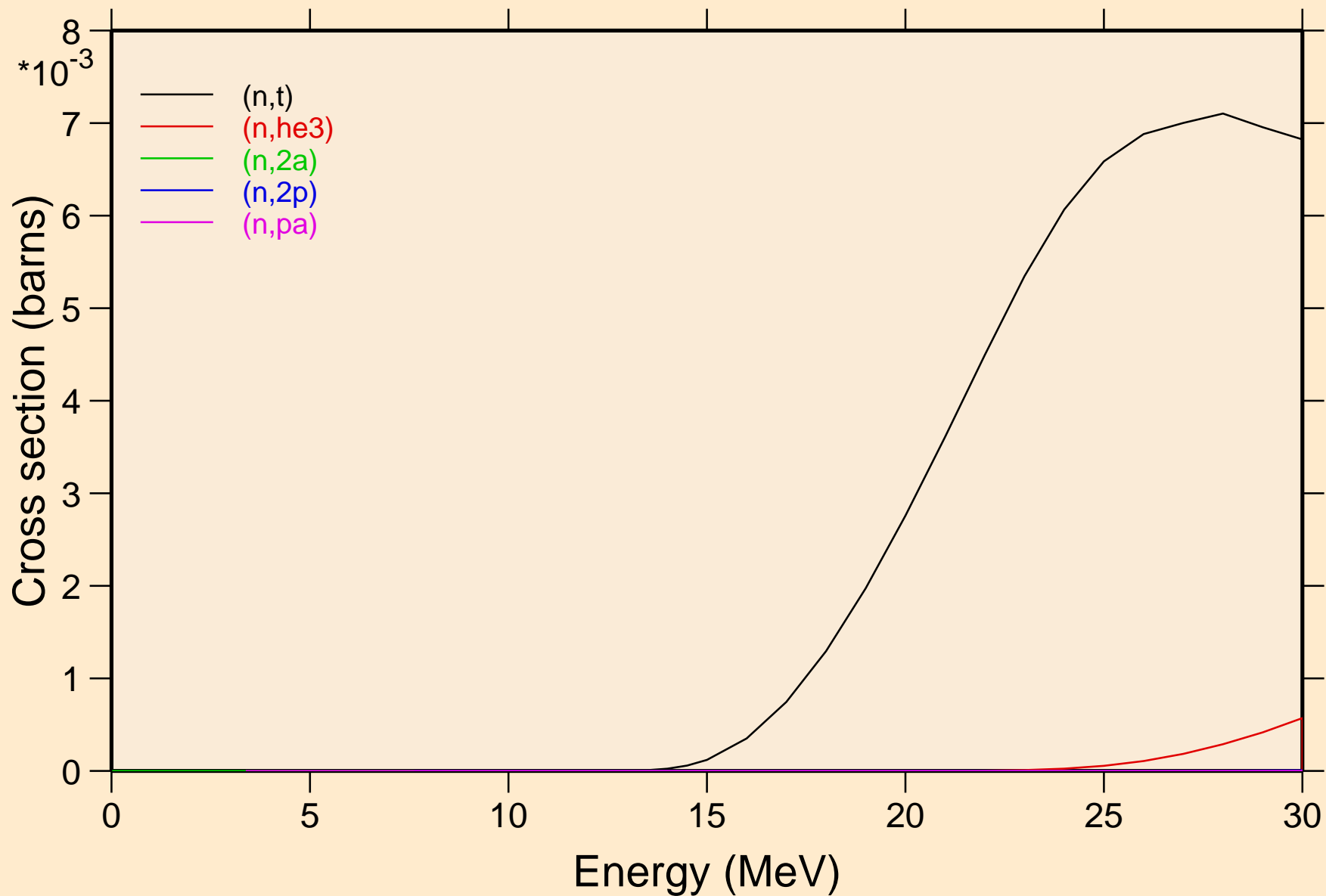
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions

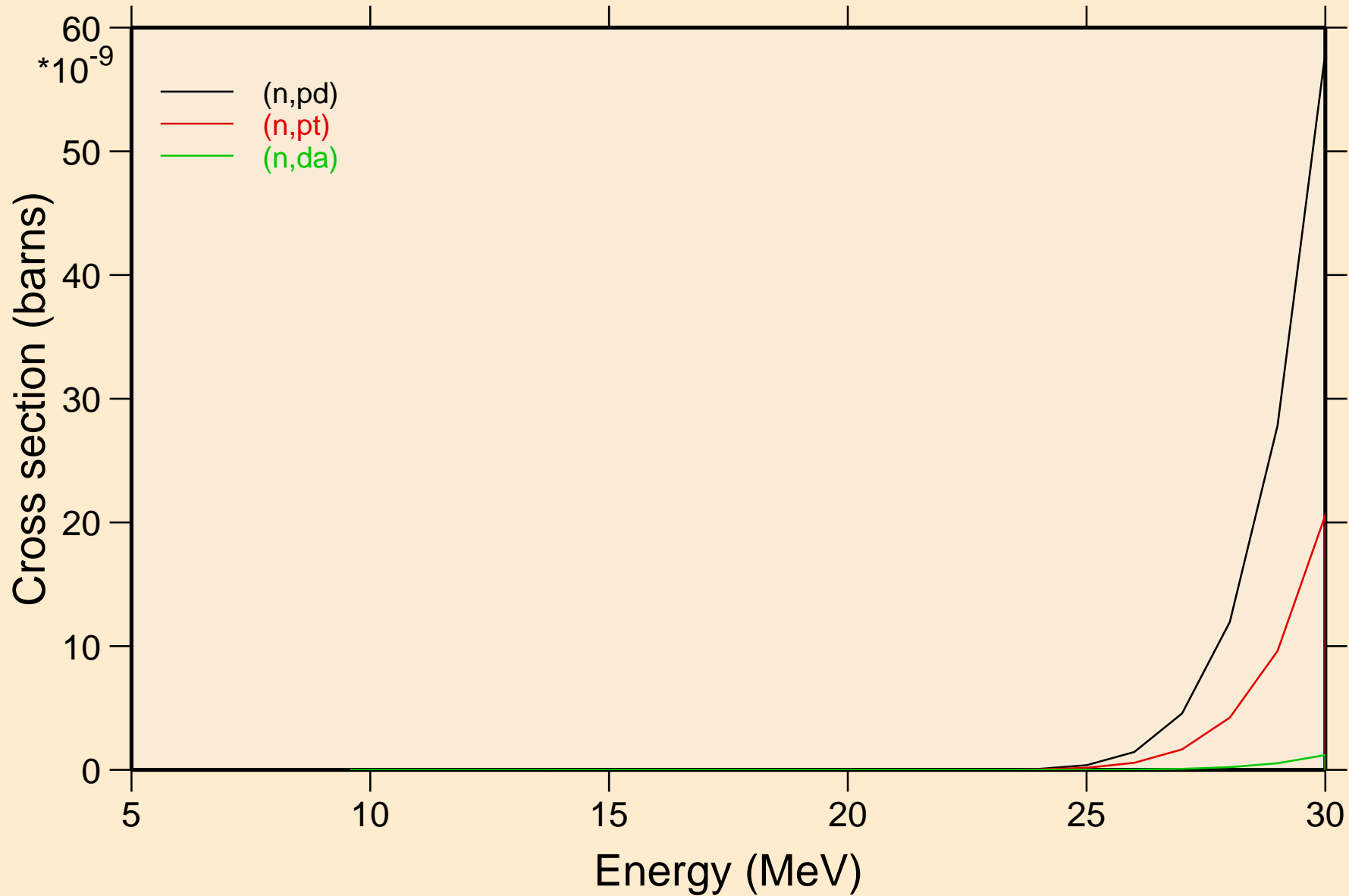


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions

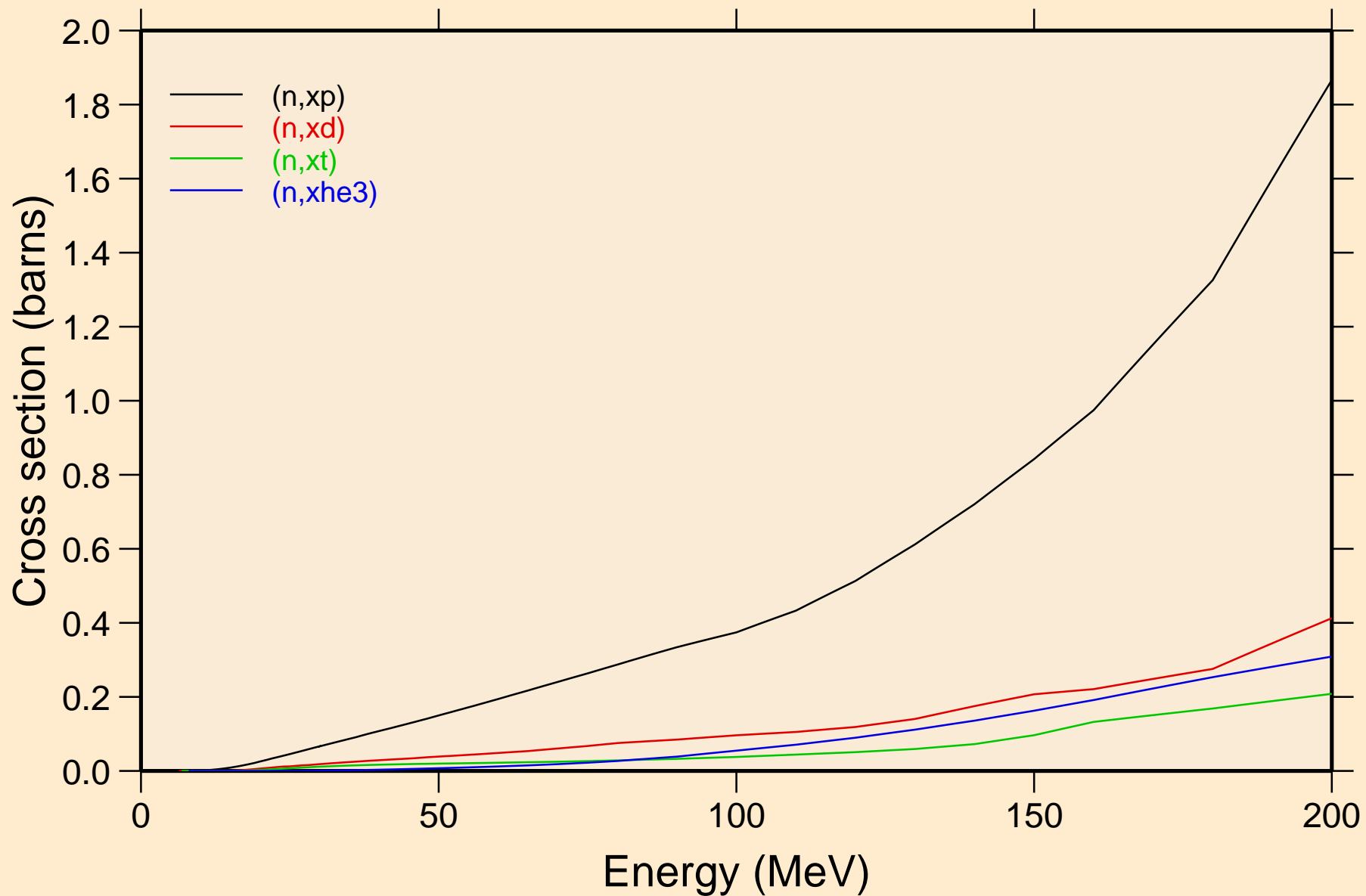




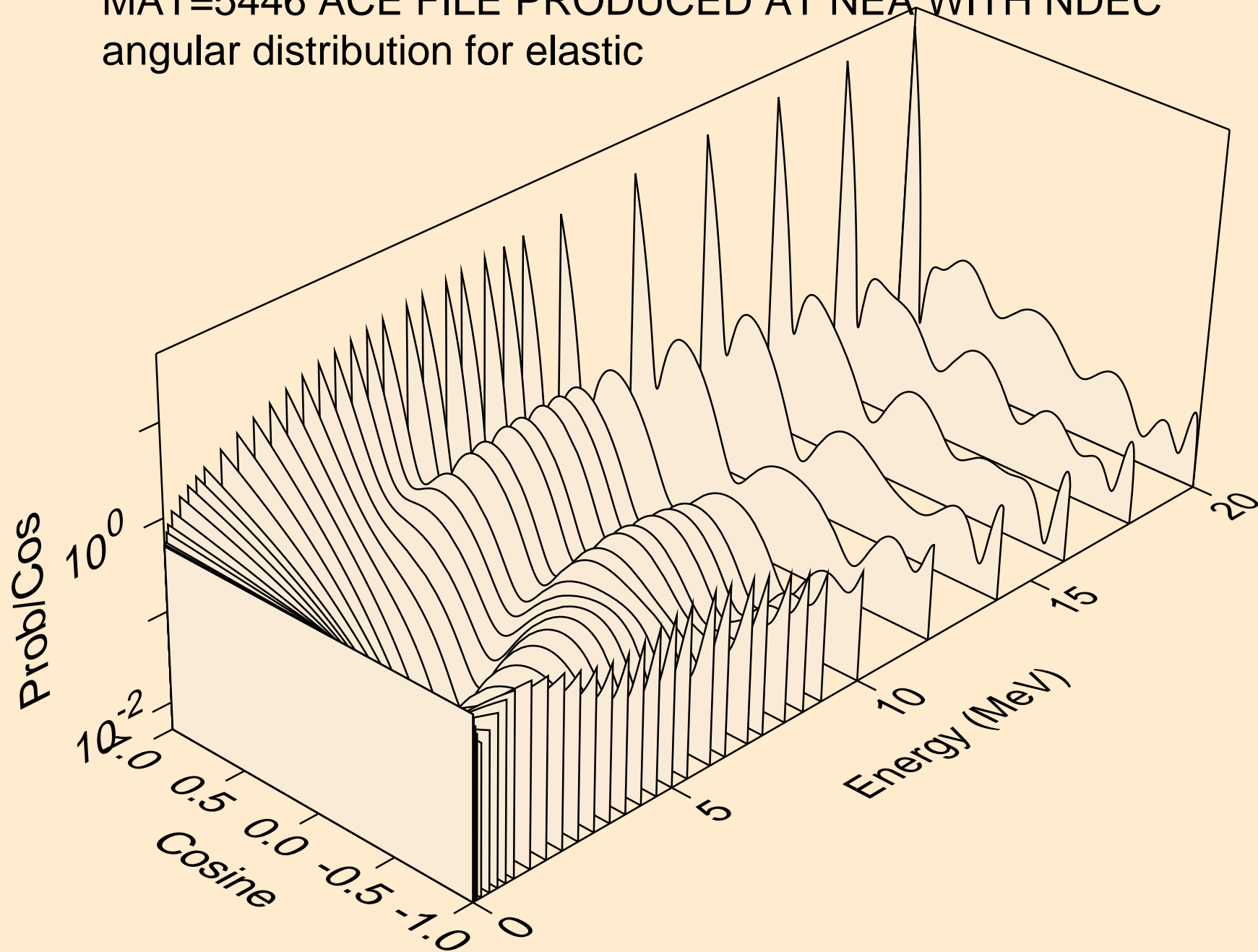
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Threshold reactions



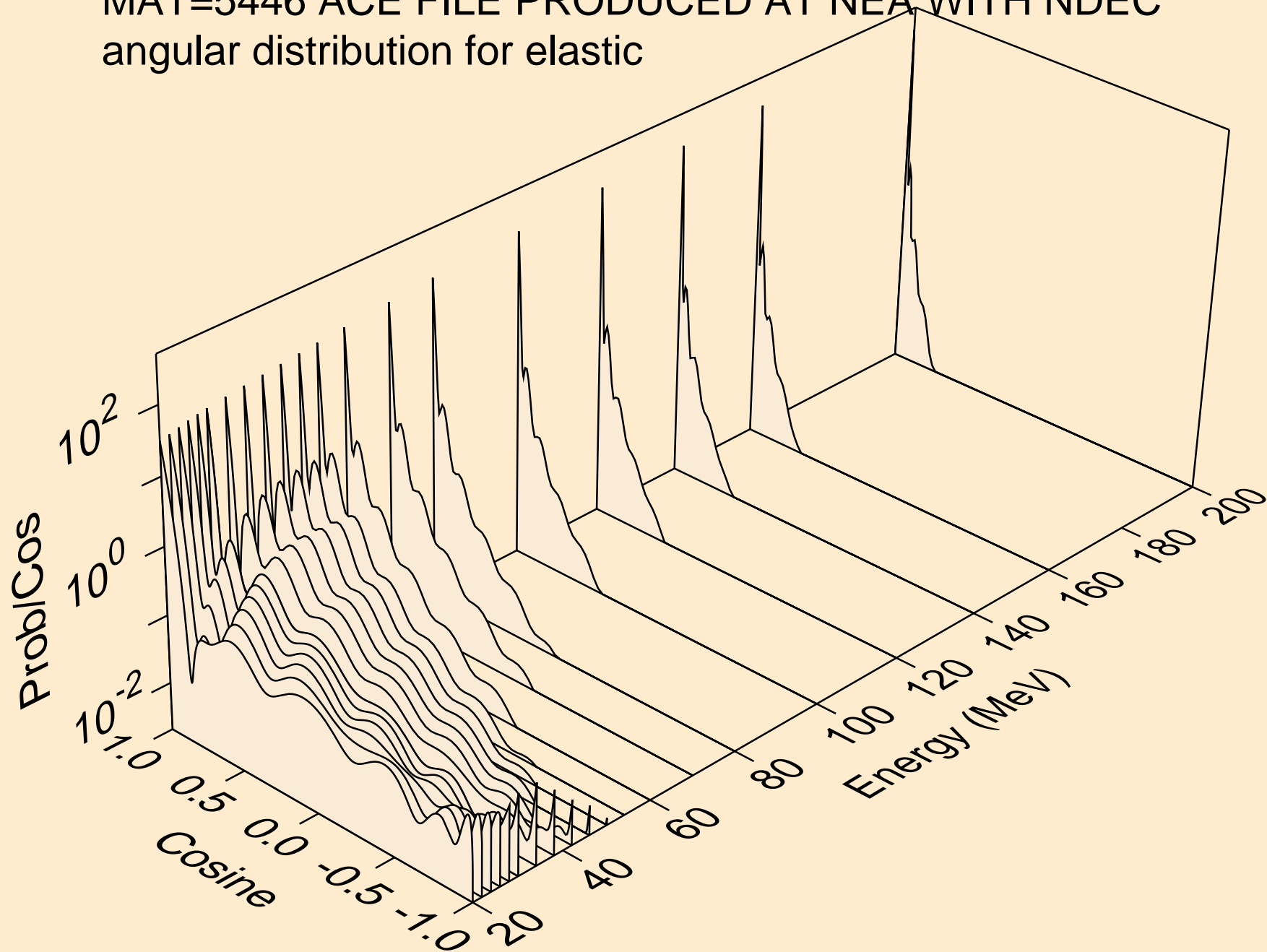
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



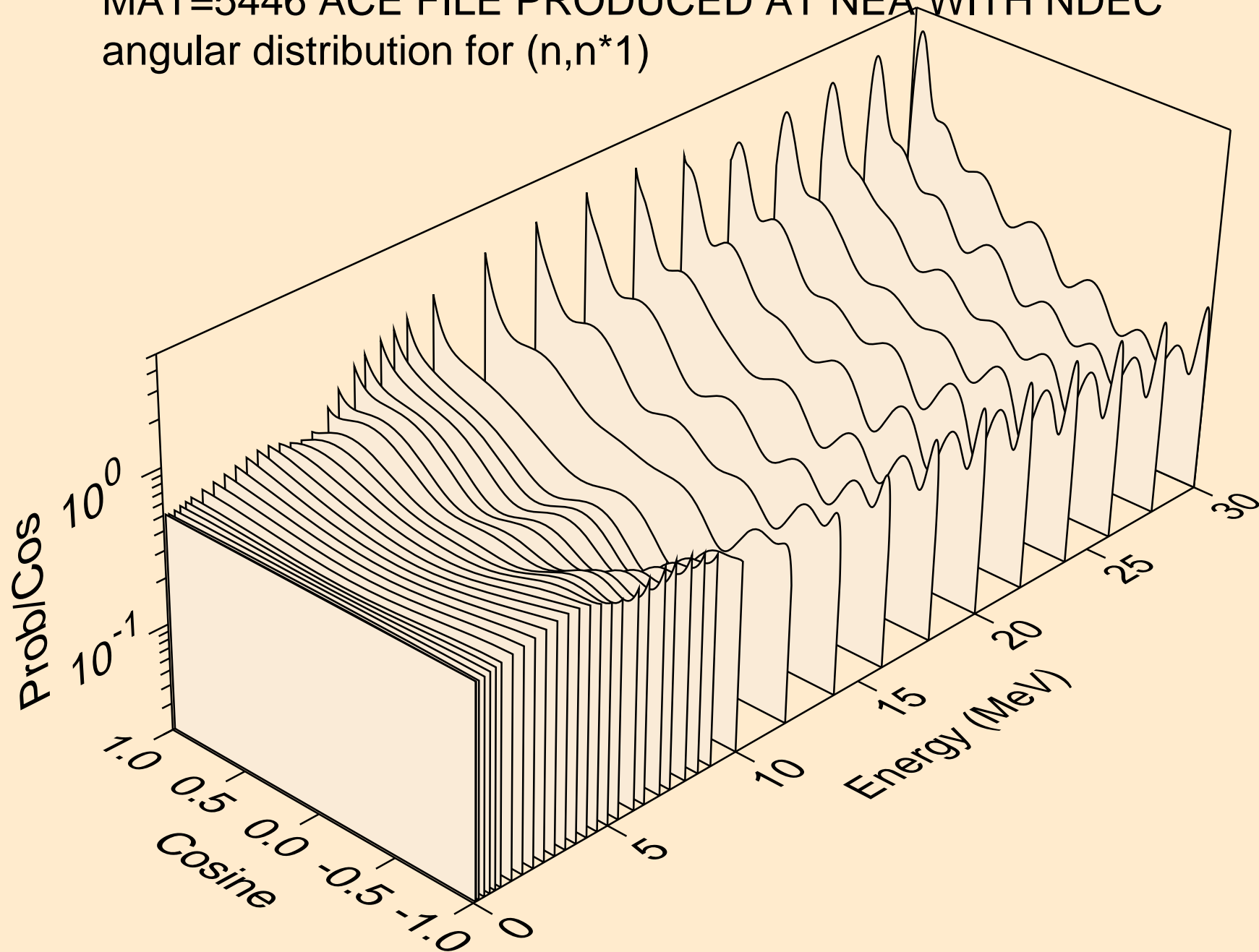
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angular distribution for elastic



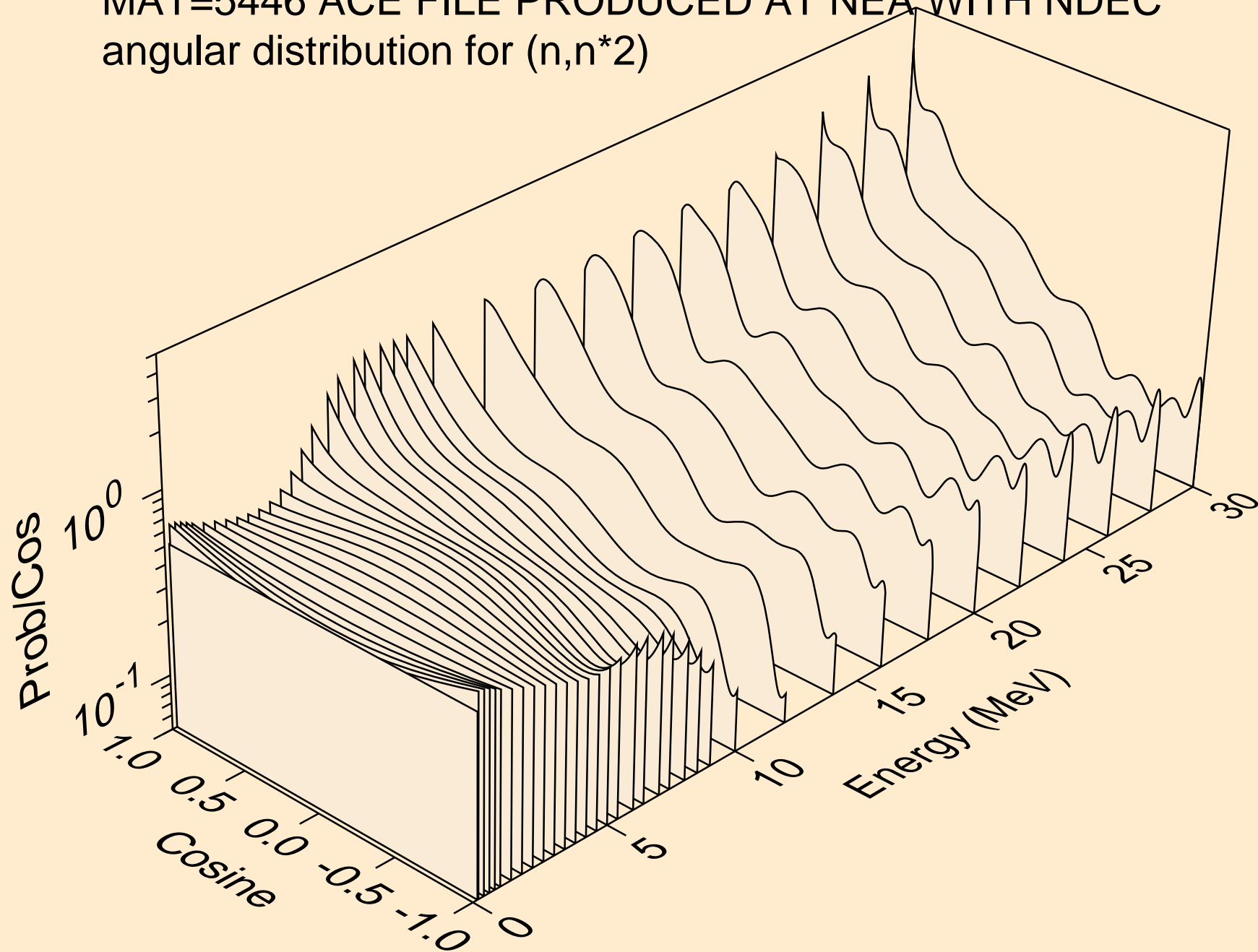
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angular distribution for elastic



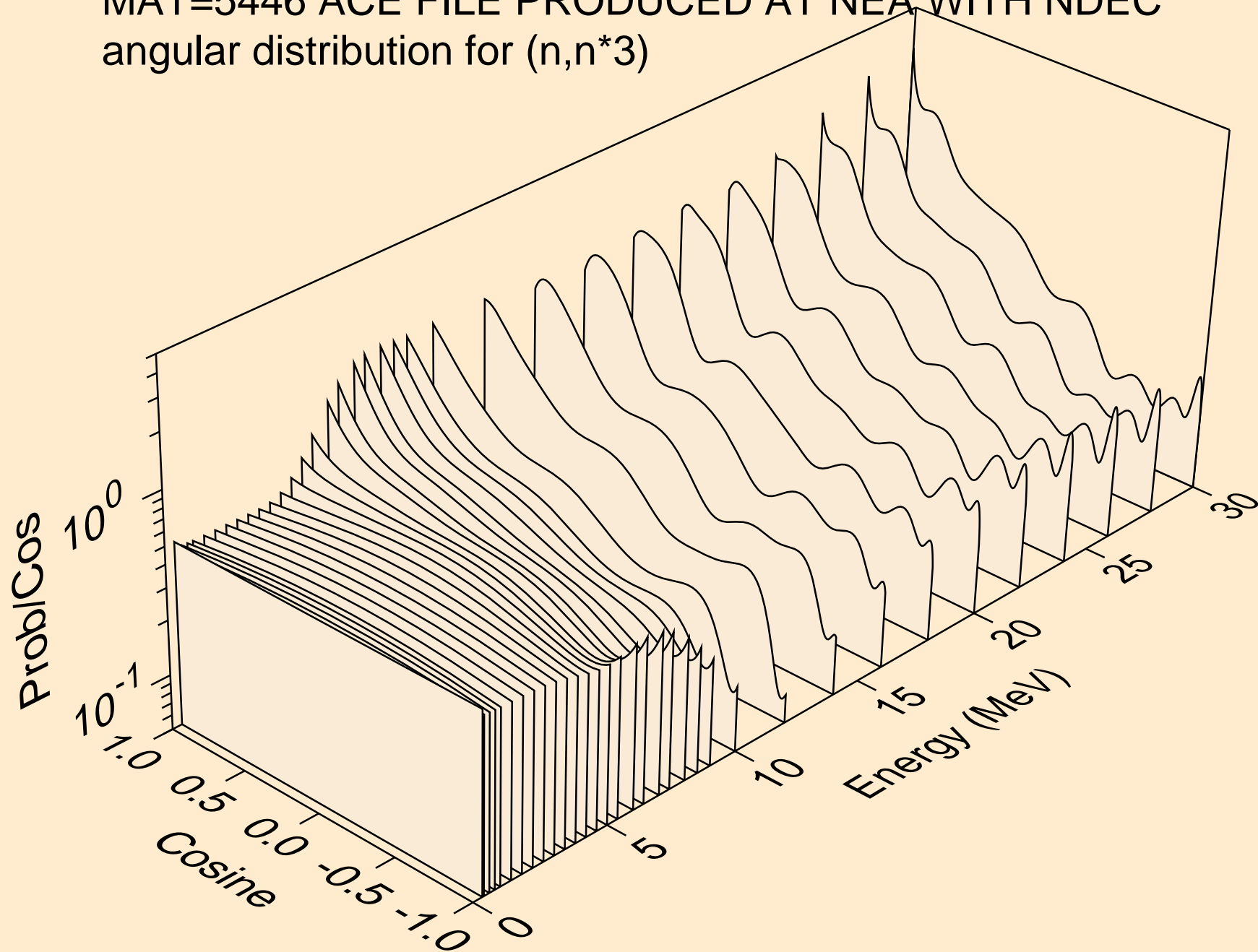
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angular distribution for (n,n\*1)



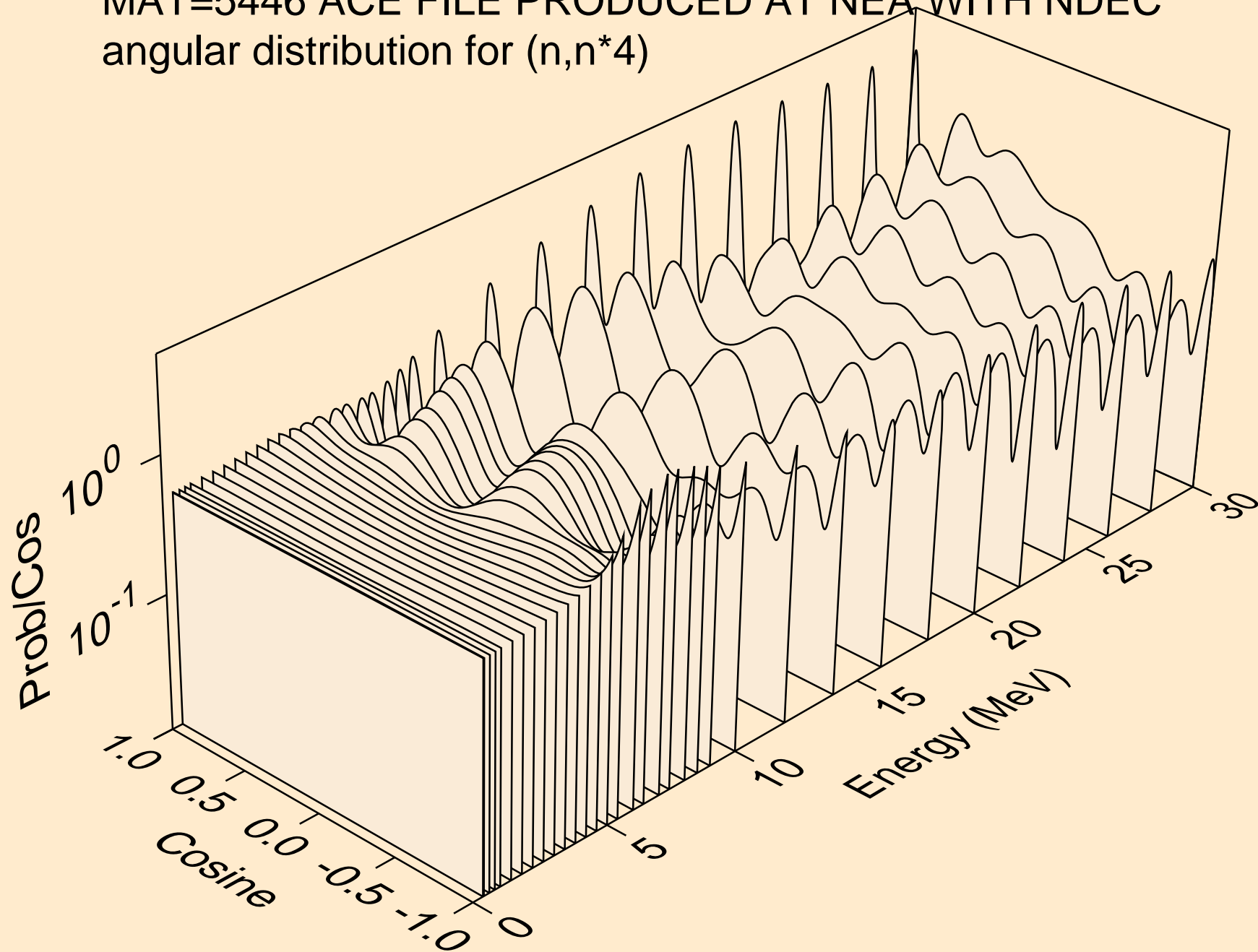
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angular distribution for (n,n\*2)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*3)

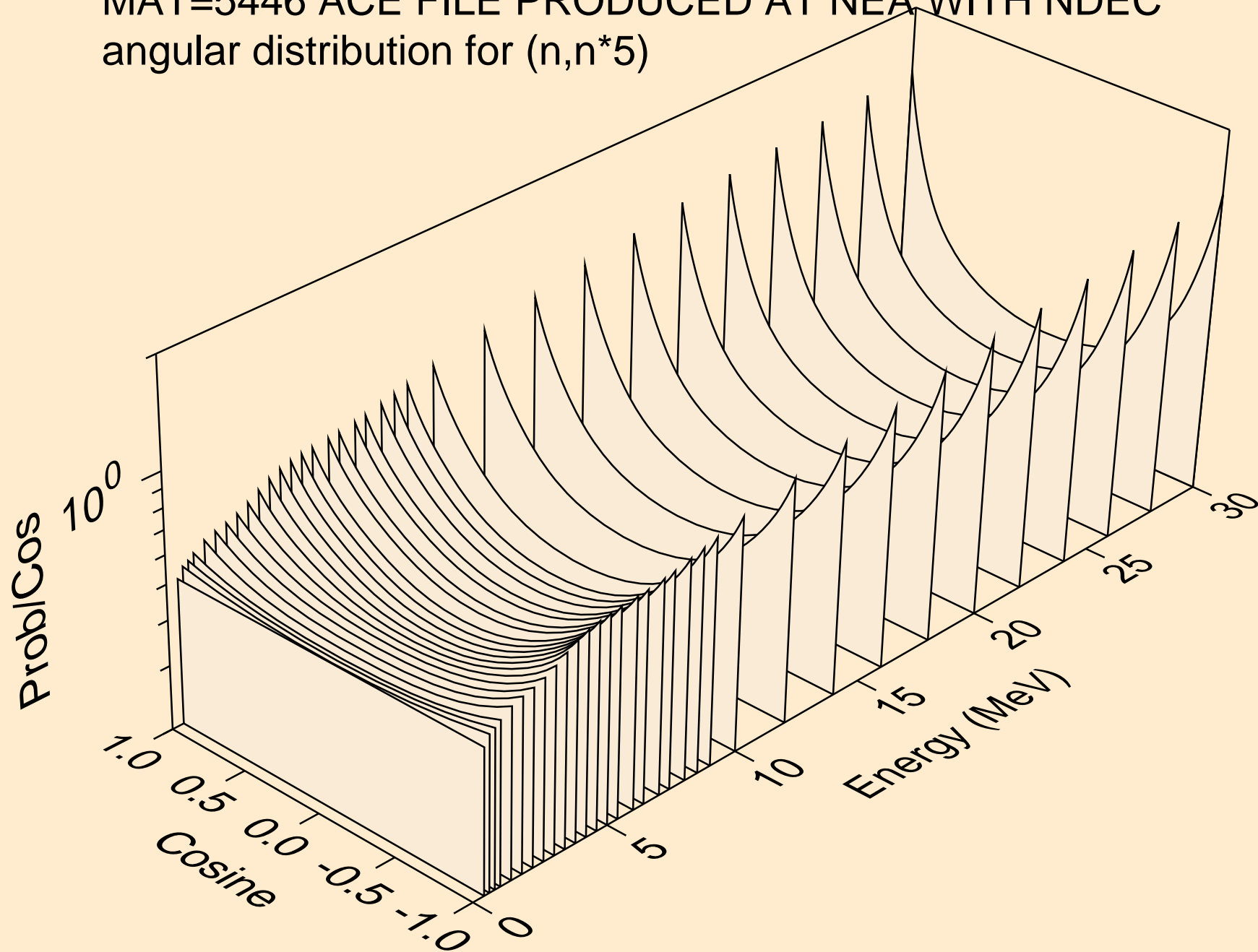


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*4)

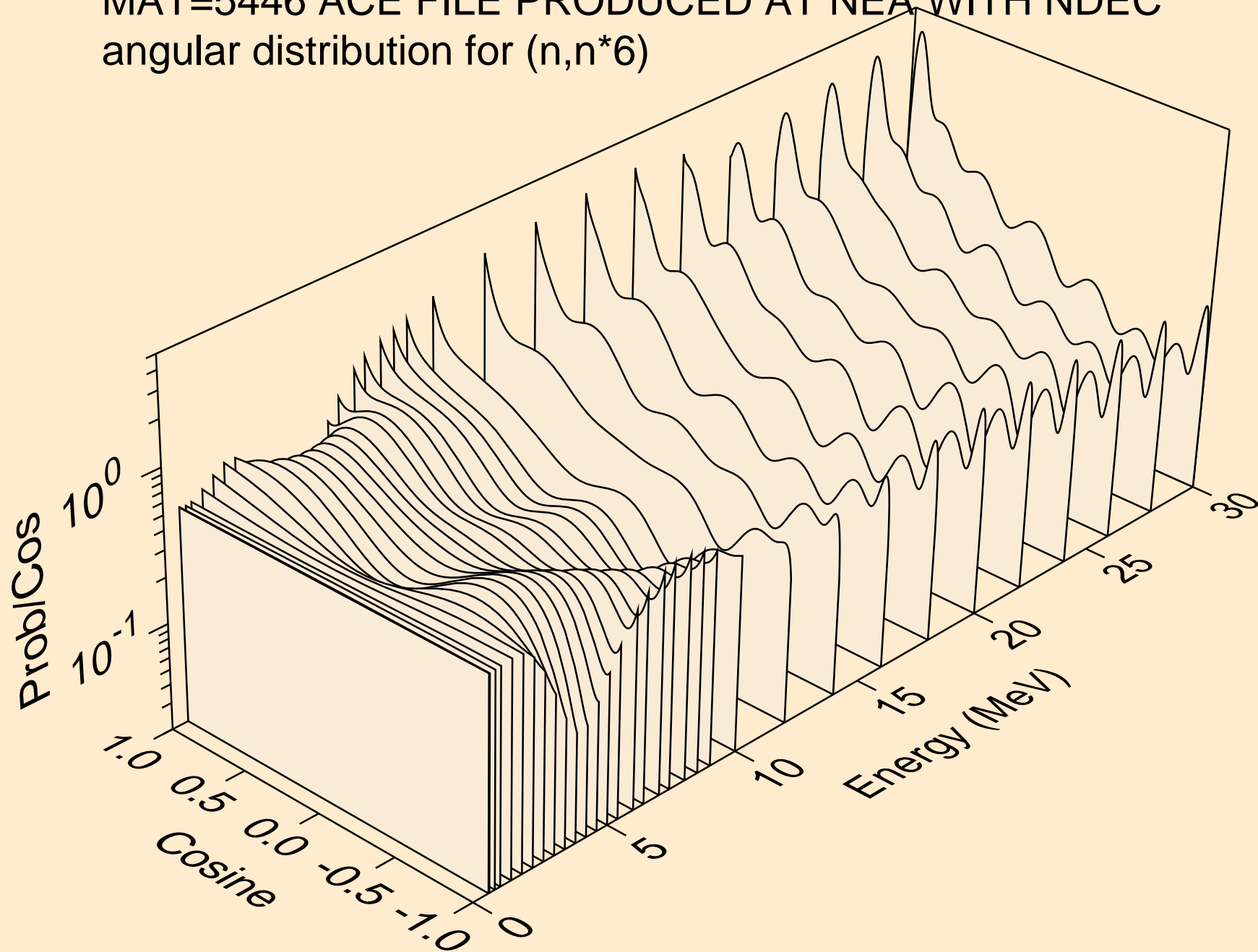




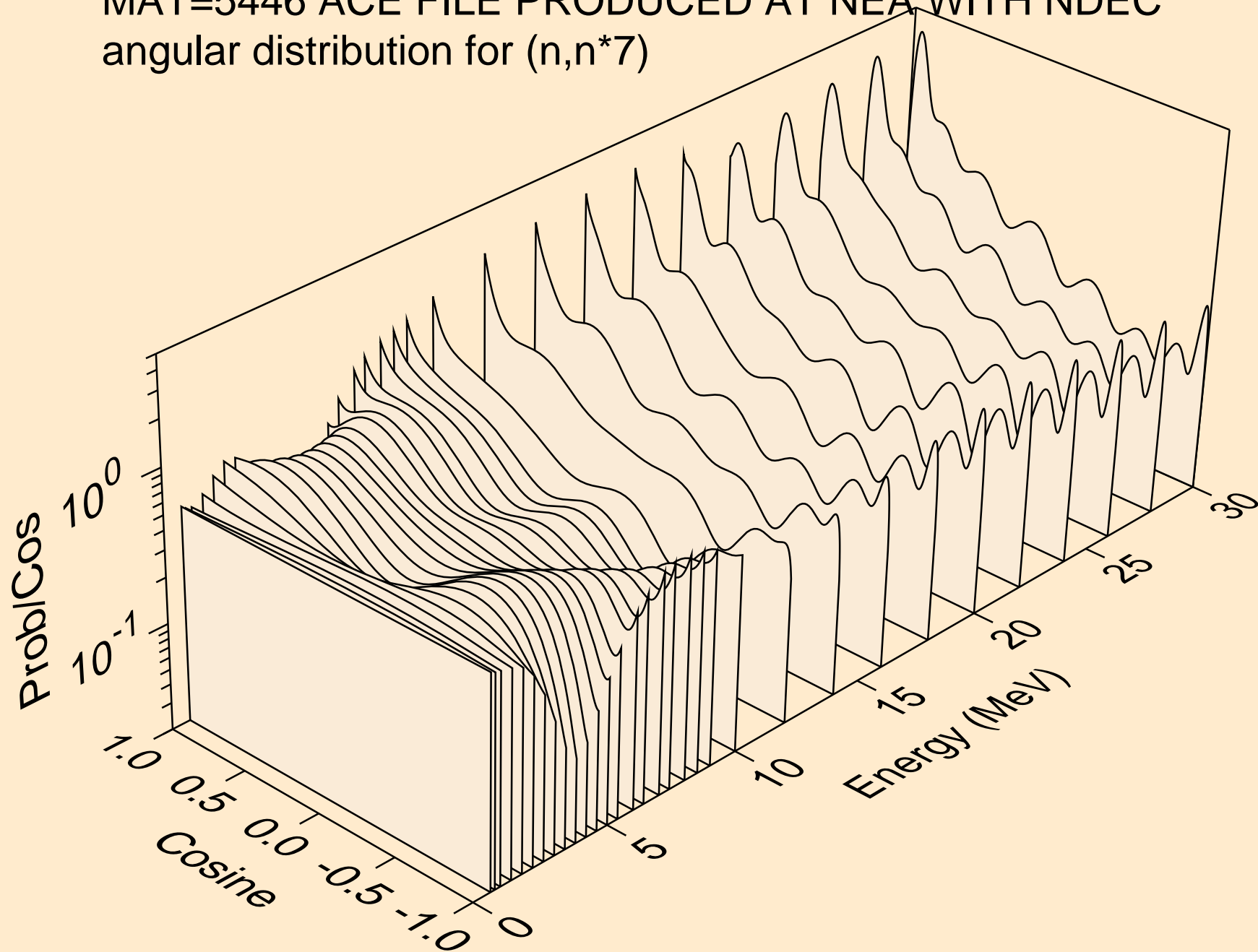
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angular distribution for (n,n\*5)



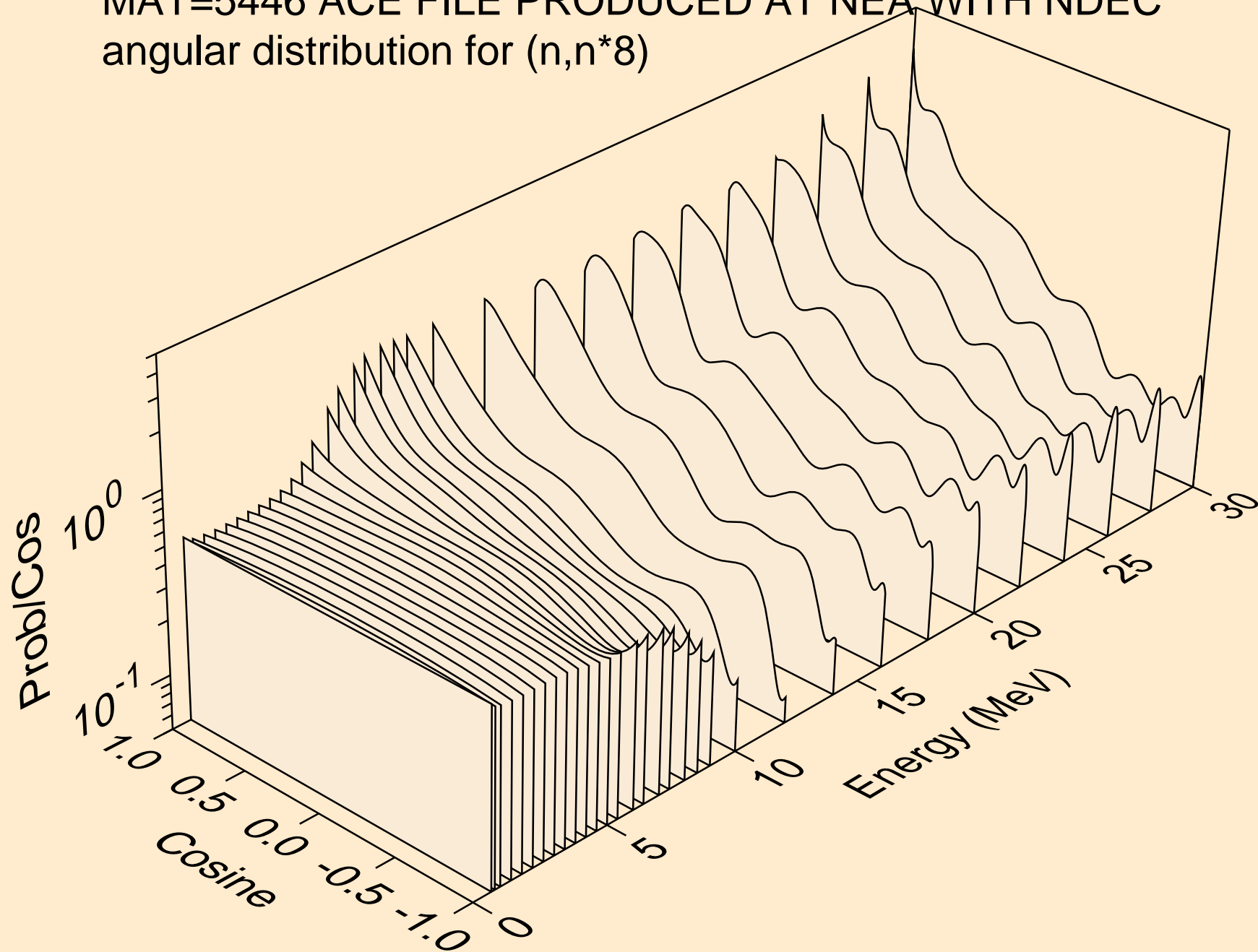
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*6)



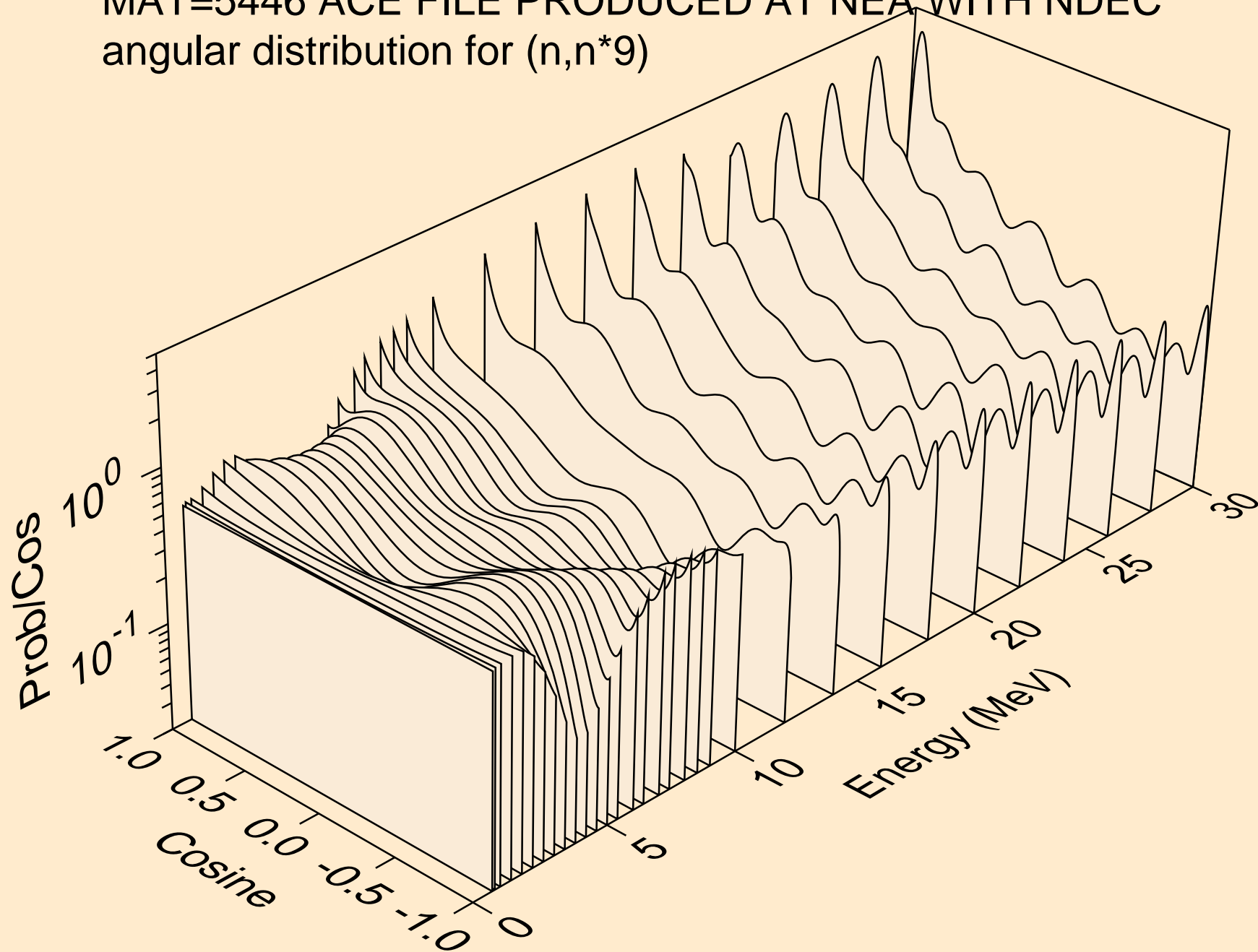
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*7)



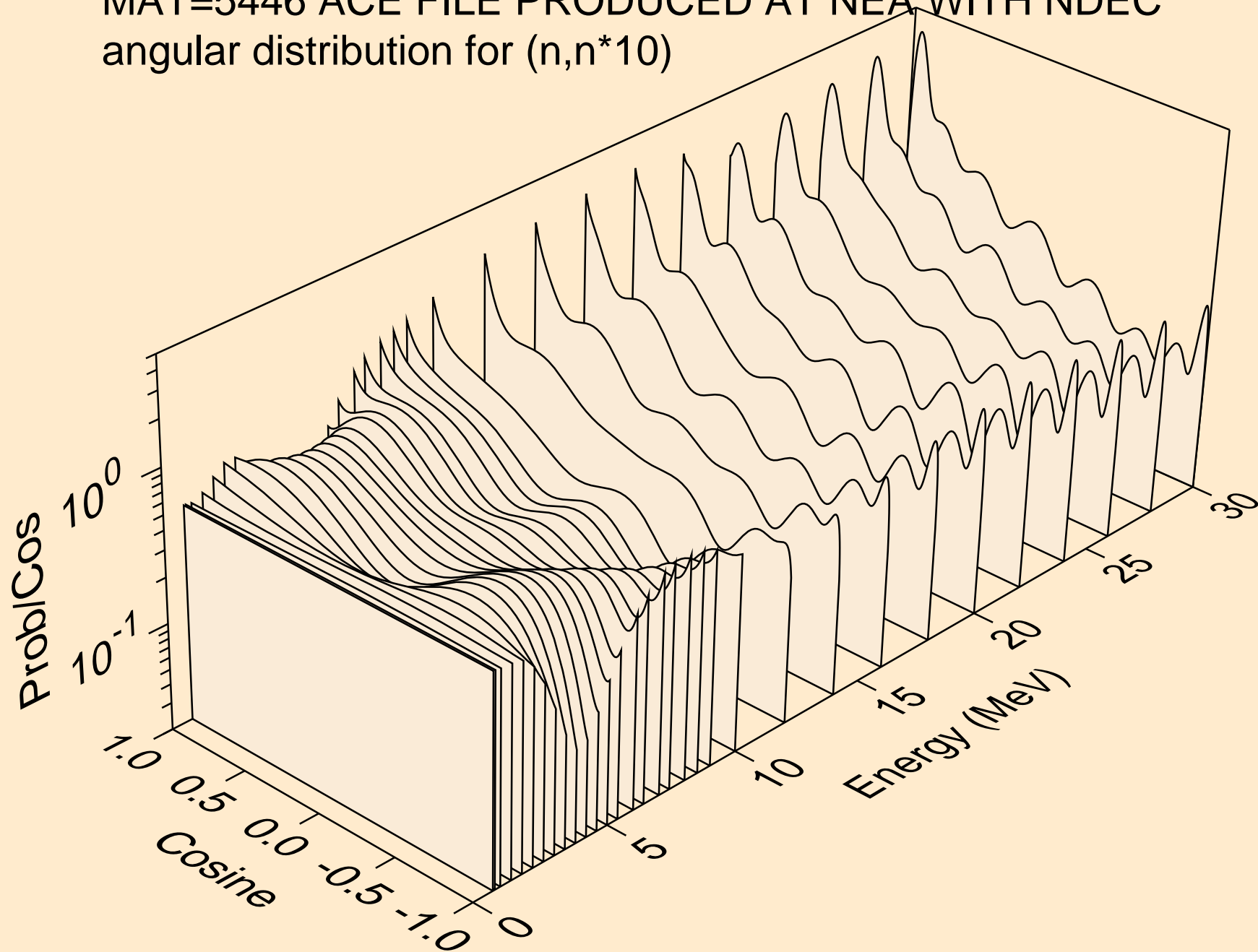
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angular distribution for (n,n\*8)



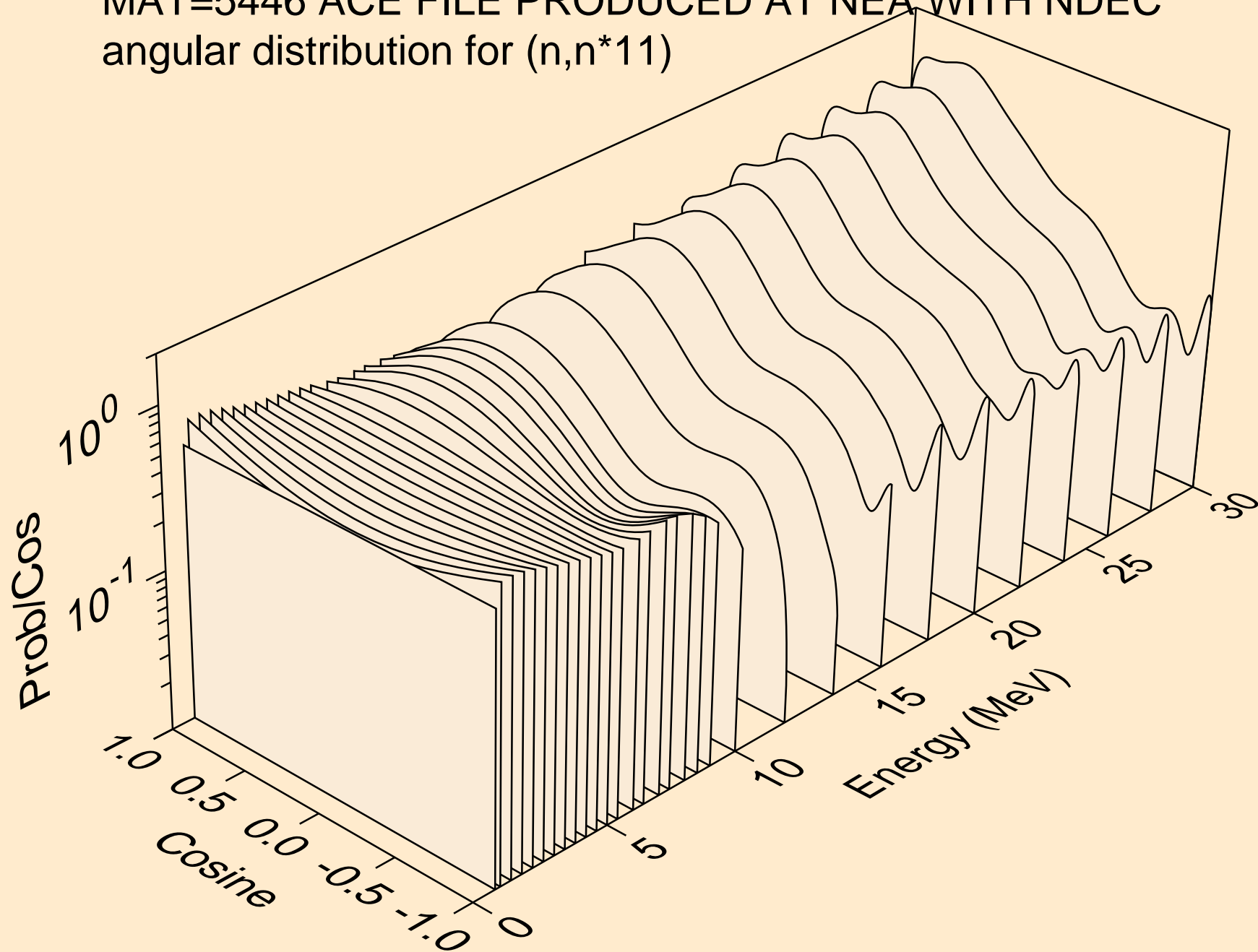
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angular distribution for (n,n\*9)



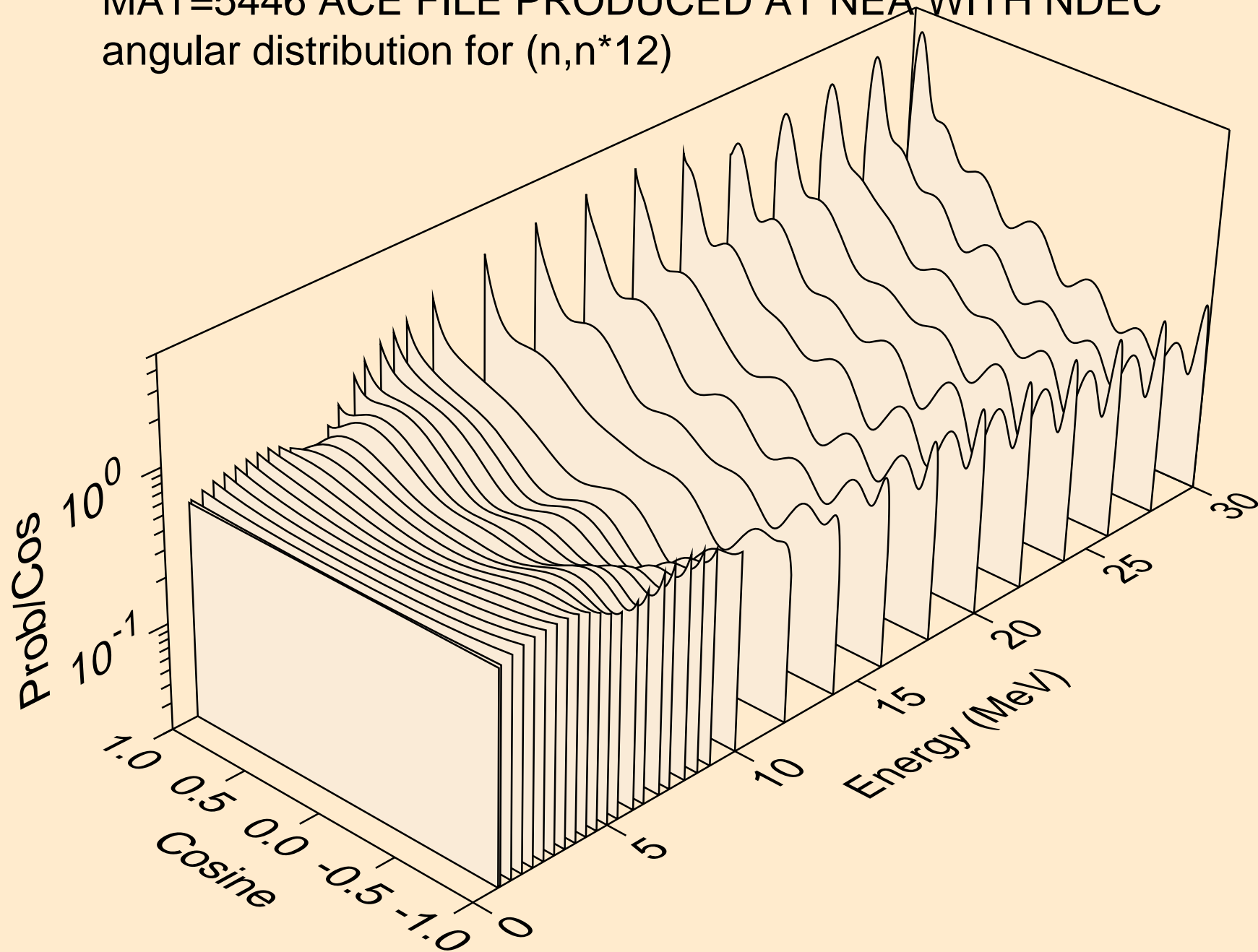
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angular distribution for (n,n\*10)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*11)

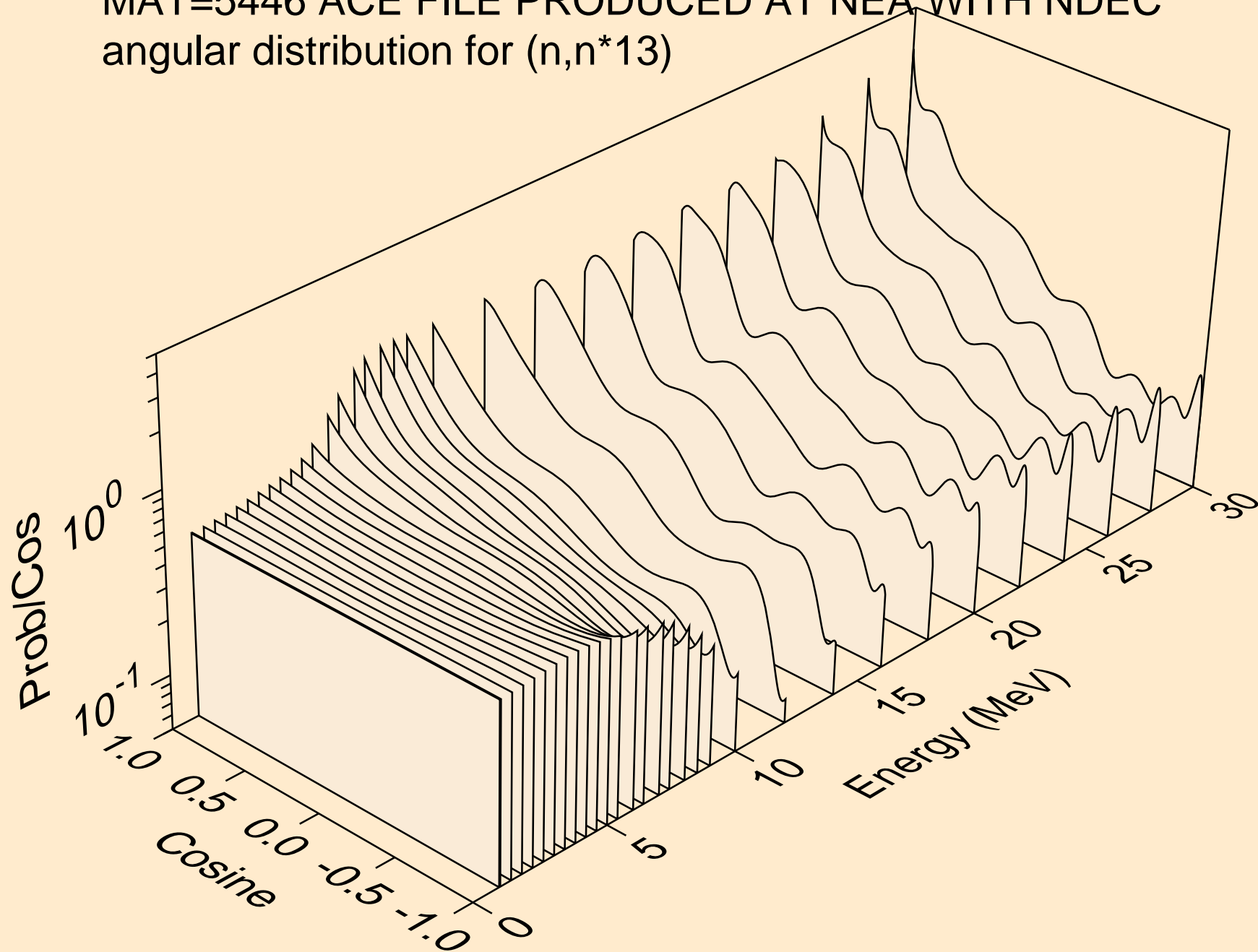


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angular distribution for (n,n\*12)

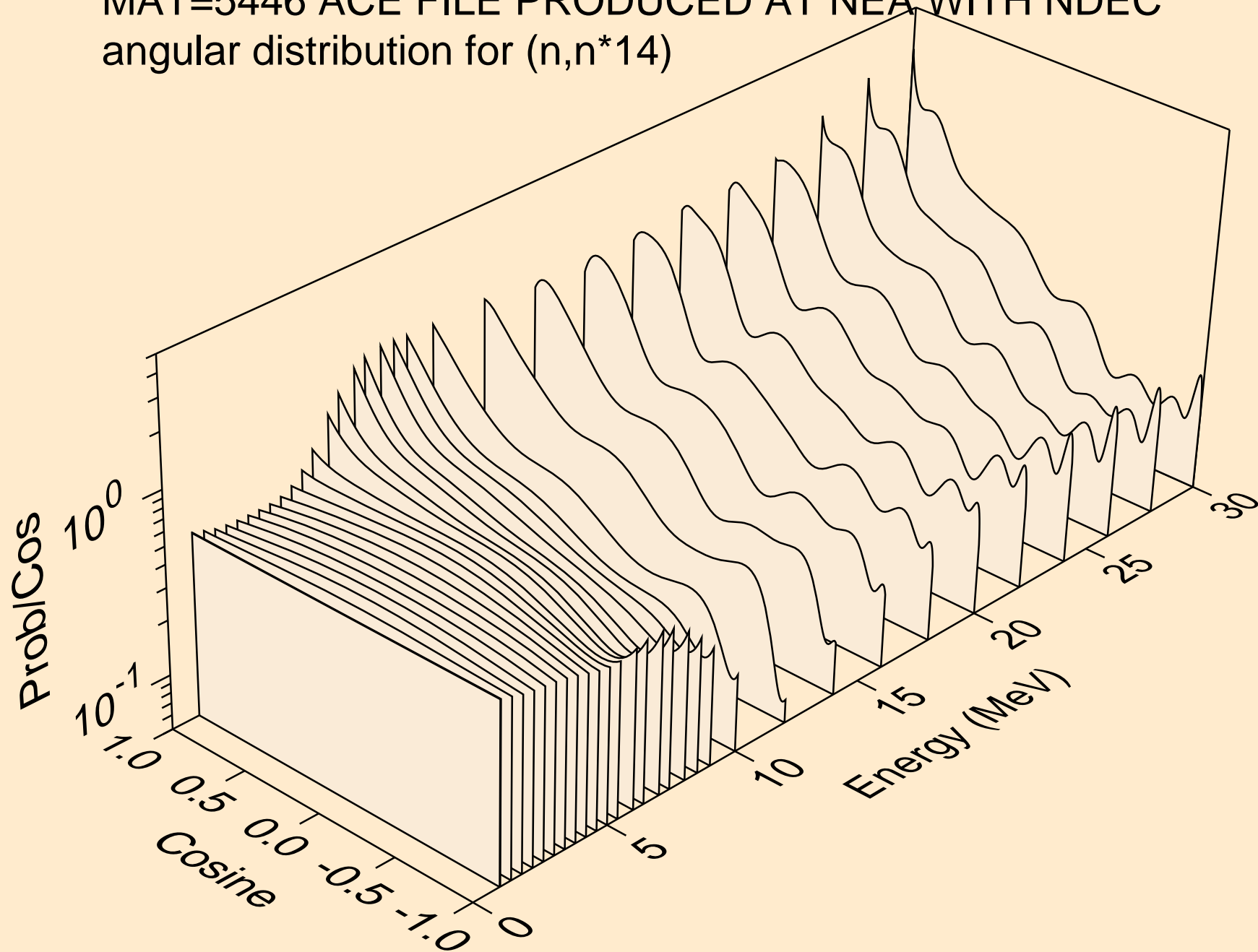




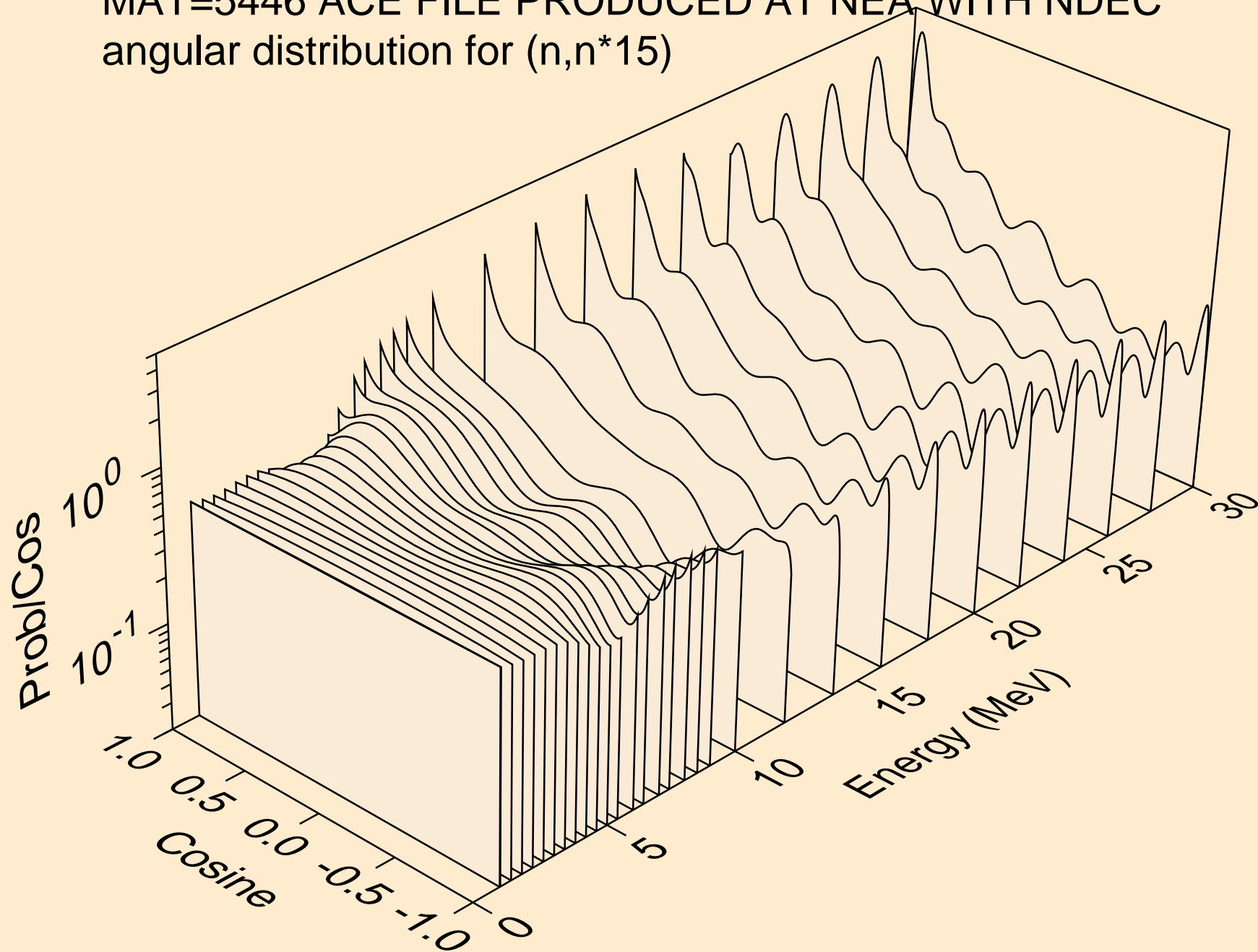
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angular distribution for (n,n\*13)



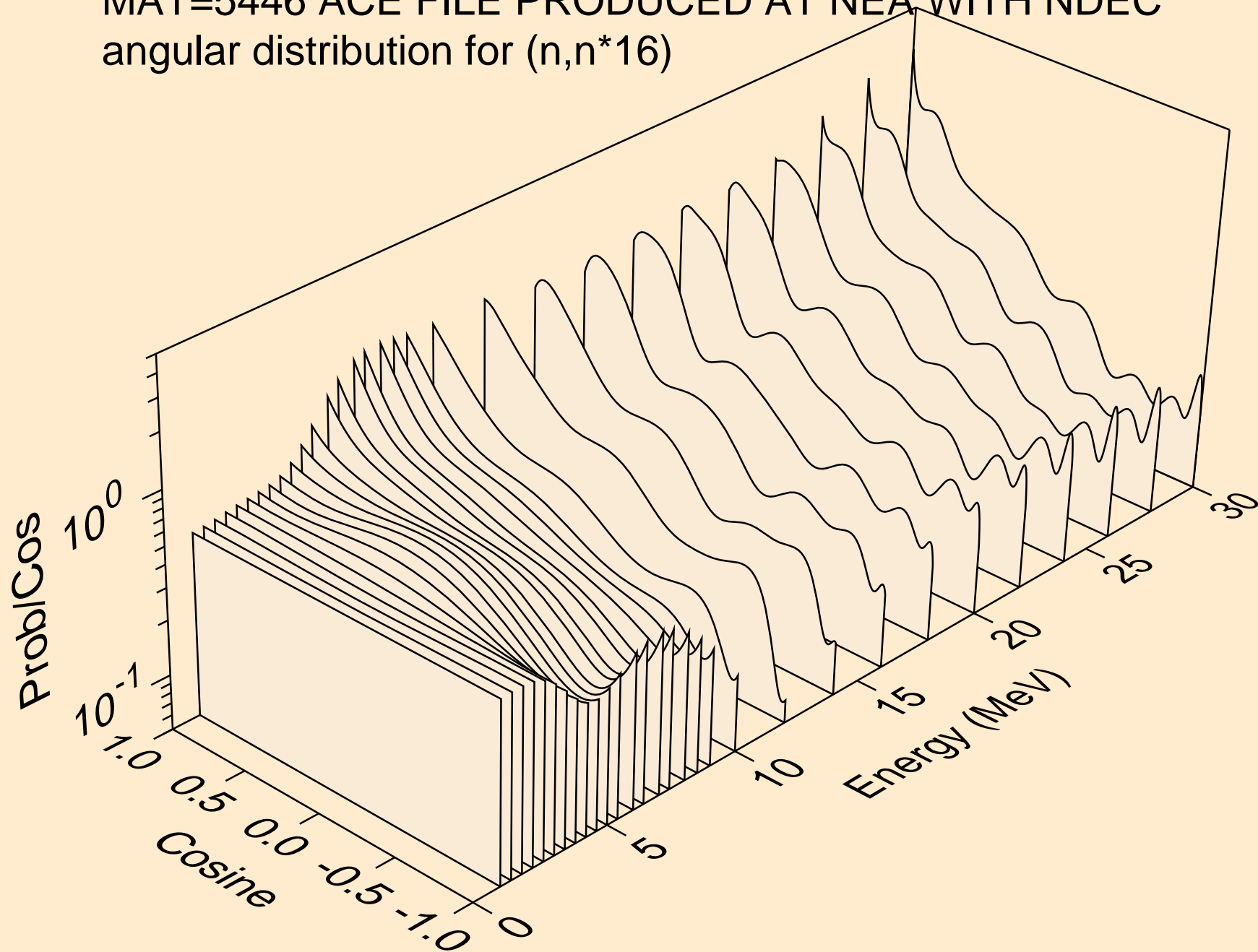
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angular distribution for (n,n\*14)



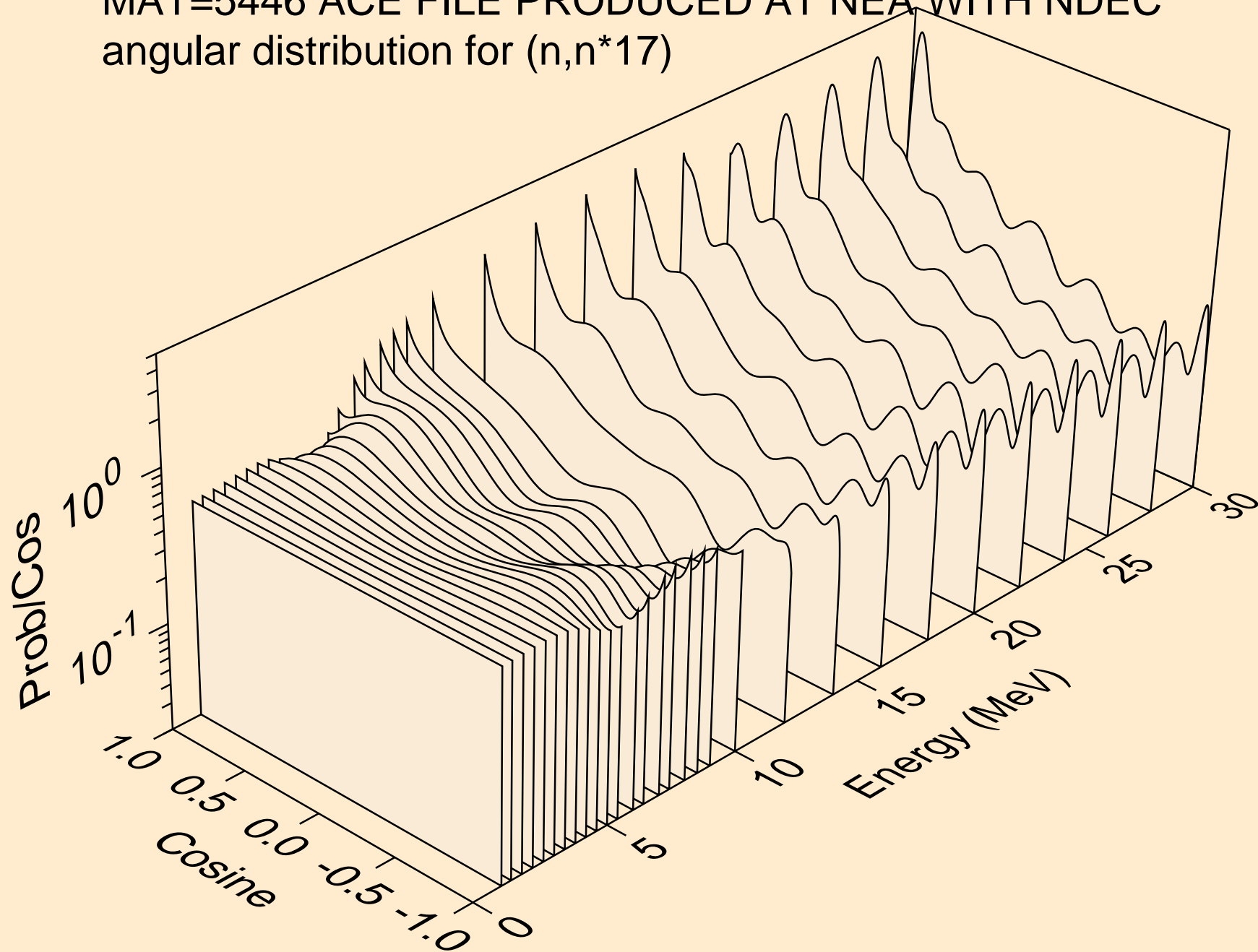
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angular distribution for (n,n\*15)



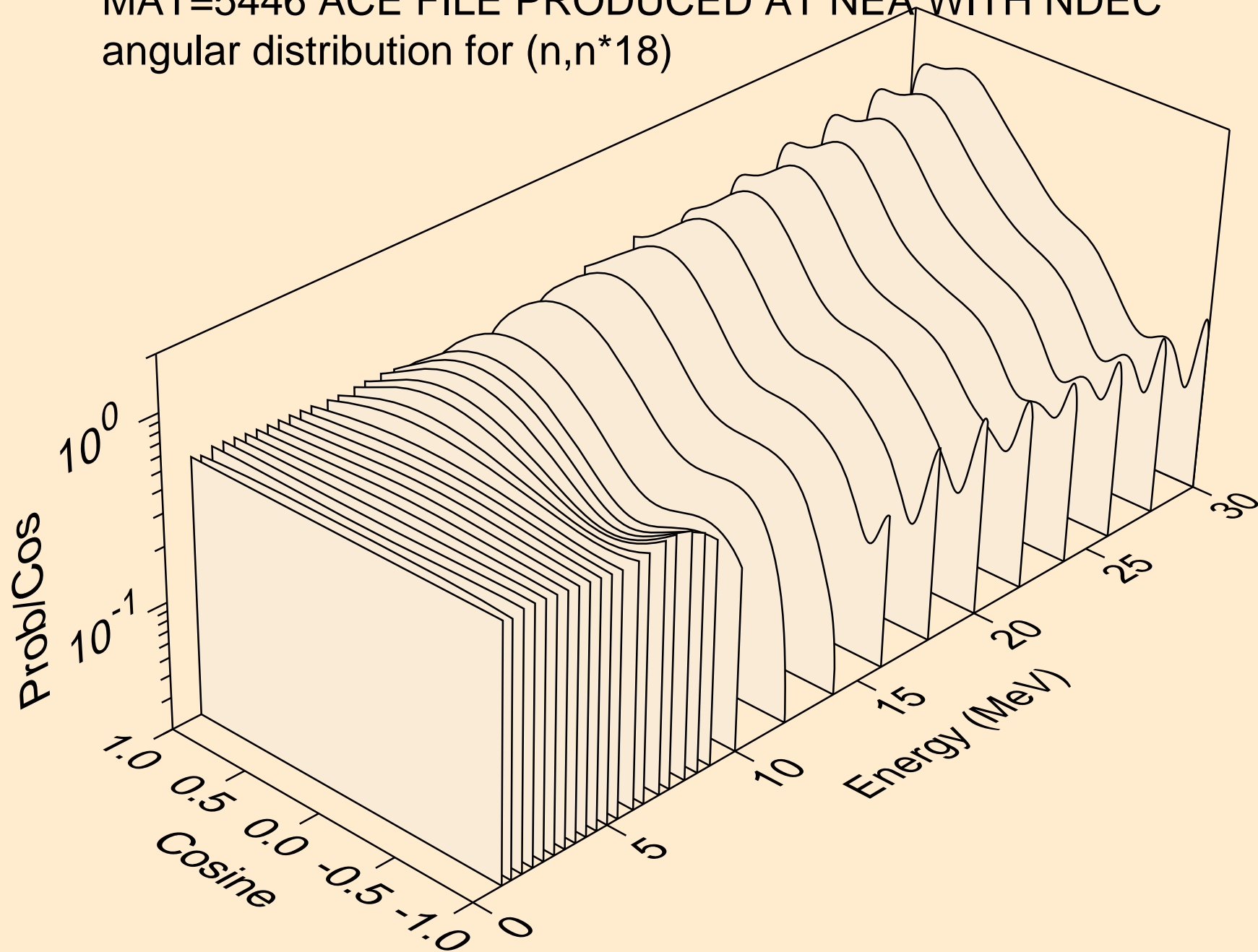
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angular distribution for (n,n\*16)



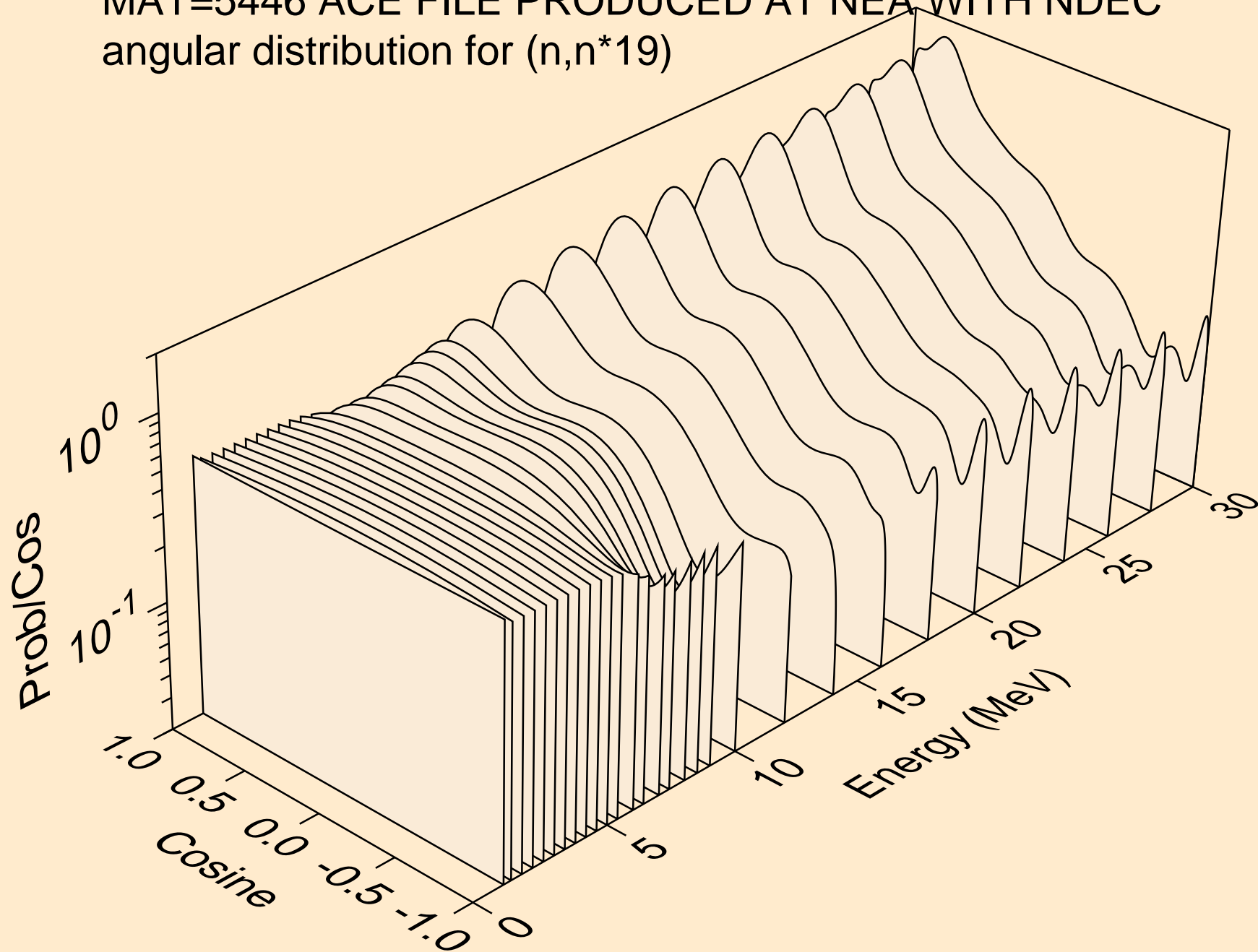
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angular distribution for (n,n\*17)



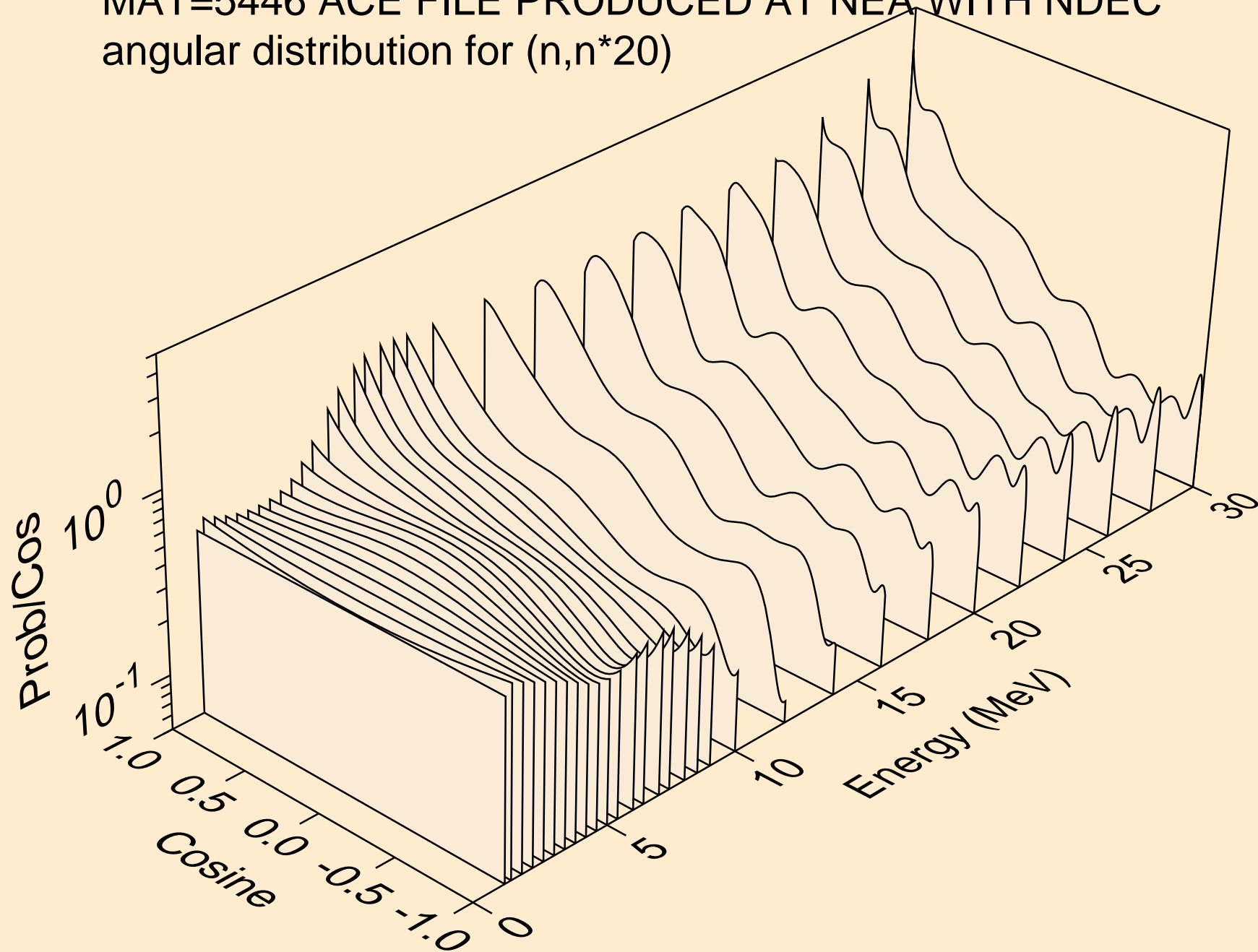
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*18)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*19)

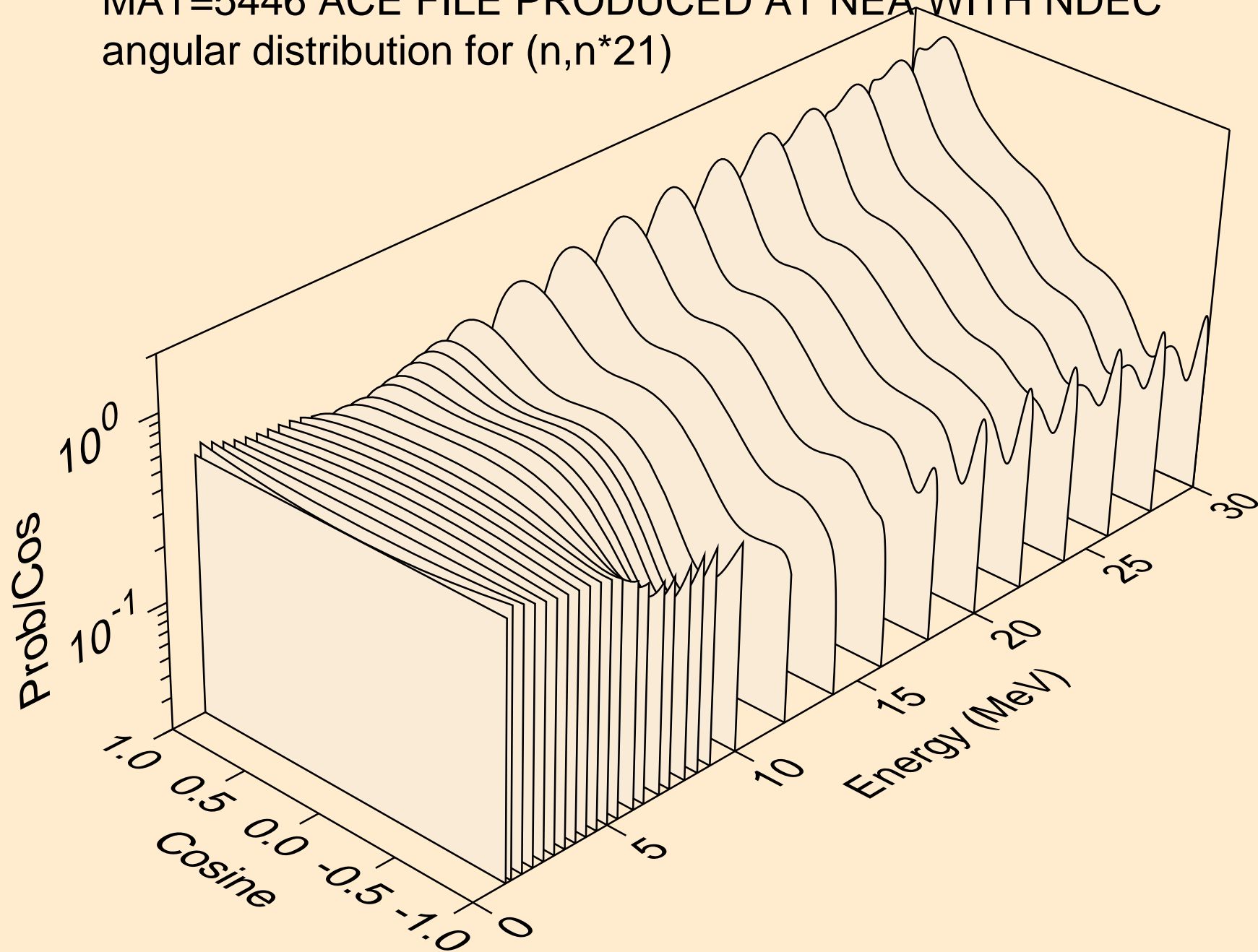


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*20)

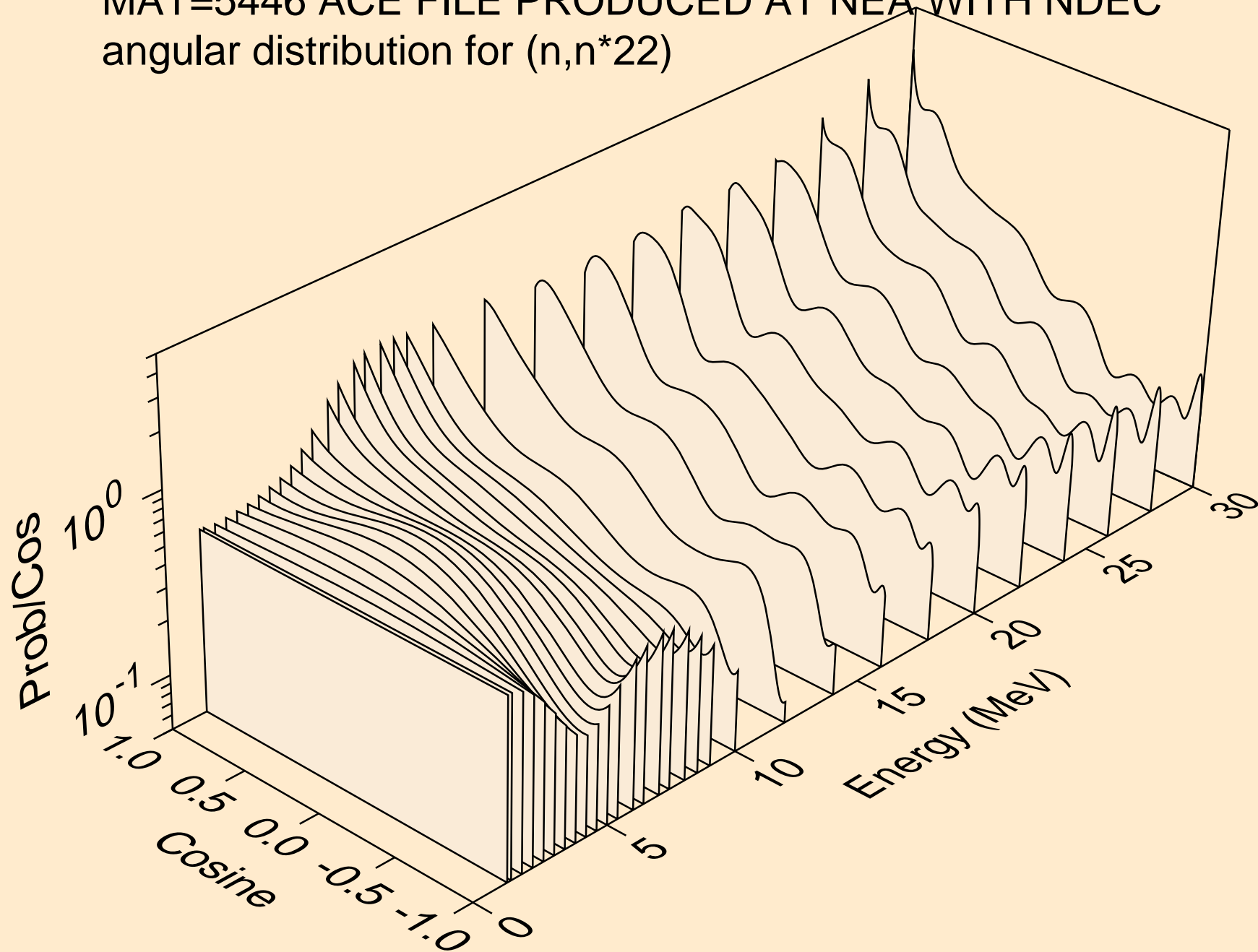




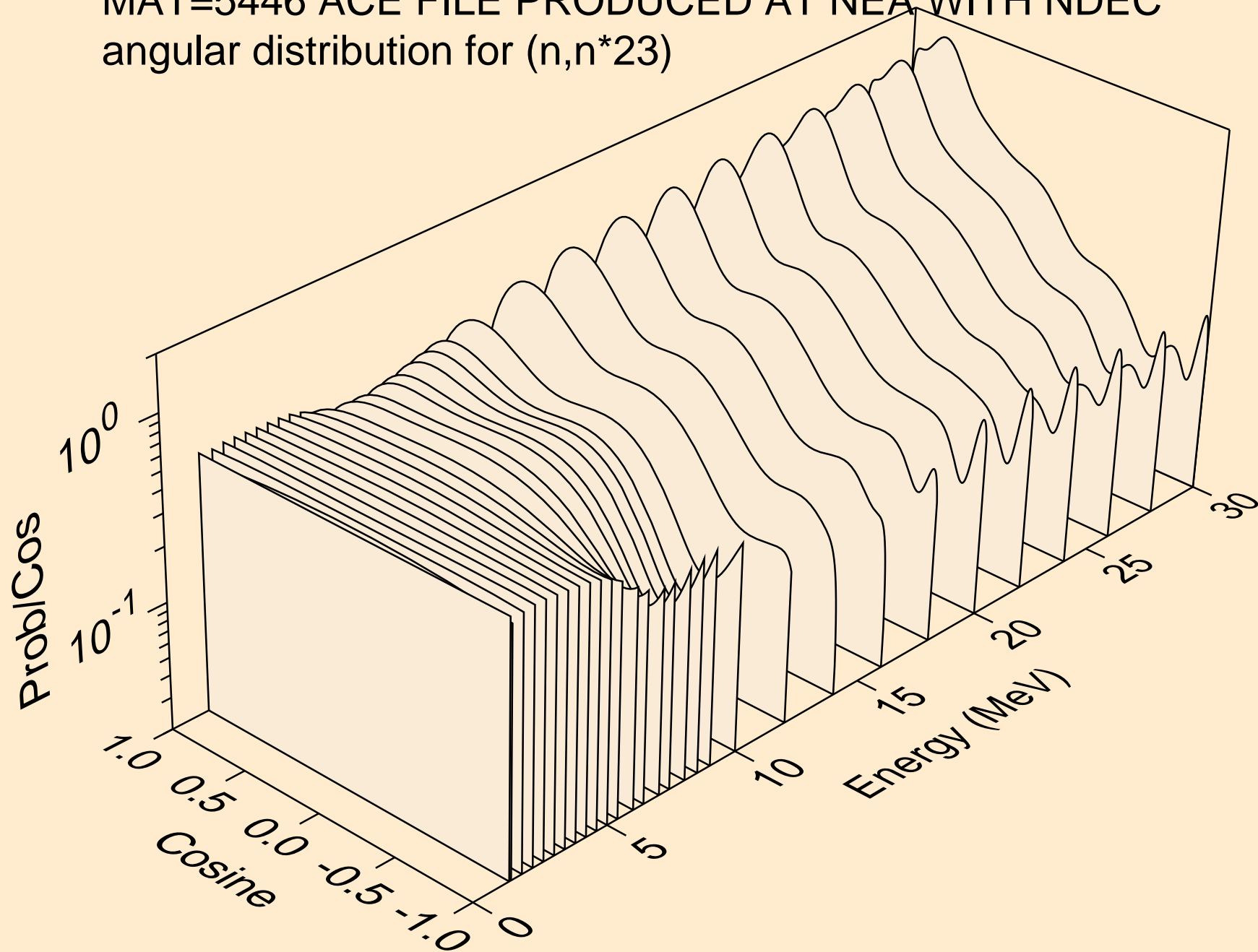
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angular distribution for (n,n\*21)



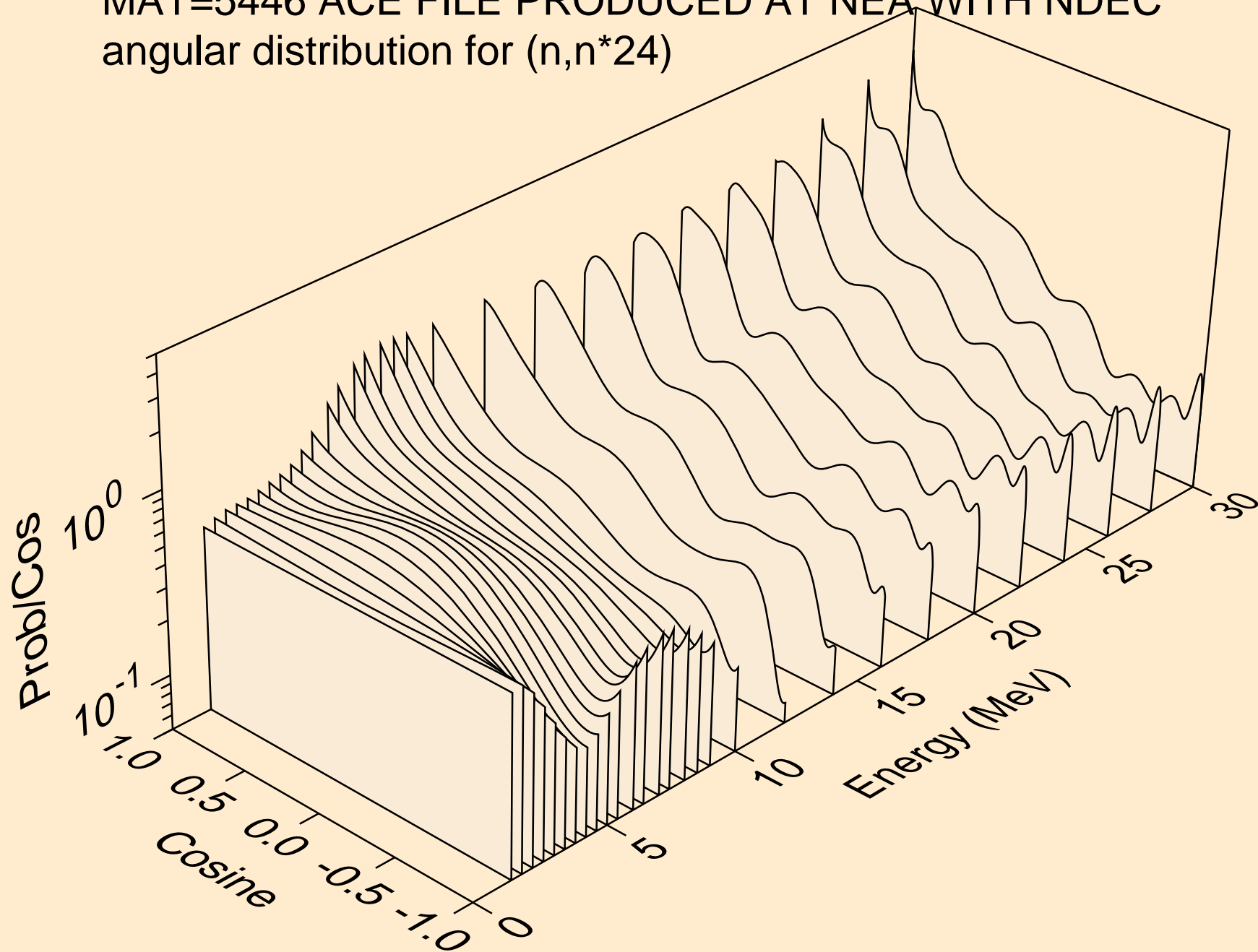
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*22)



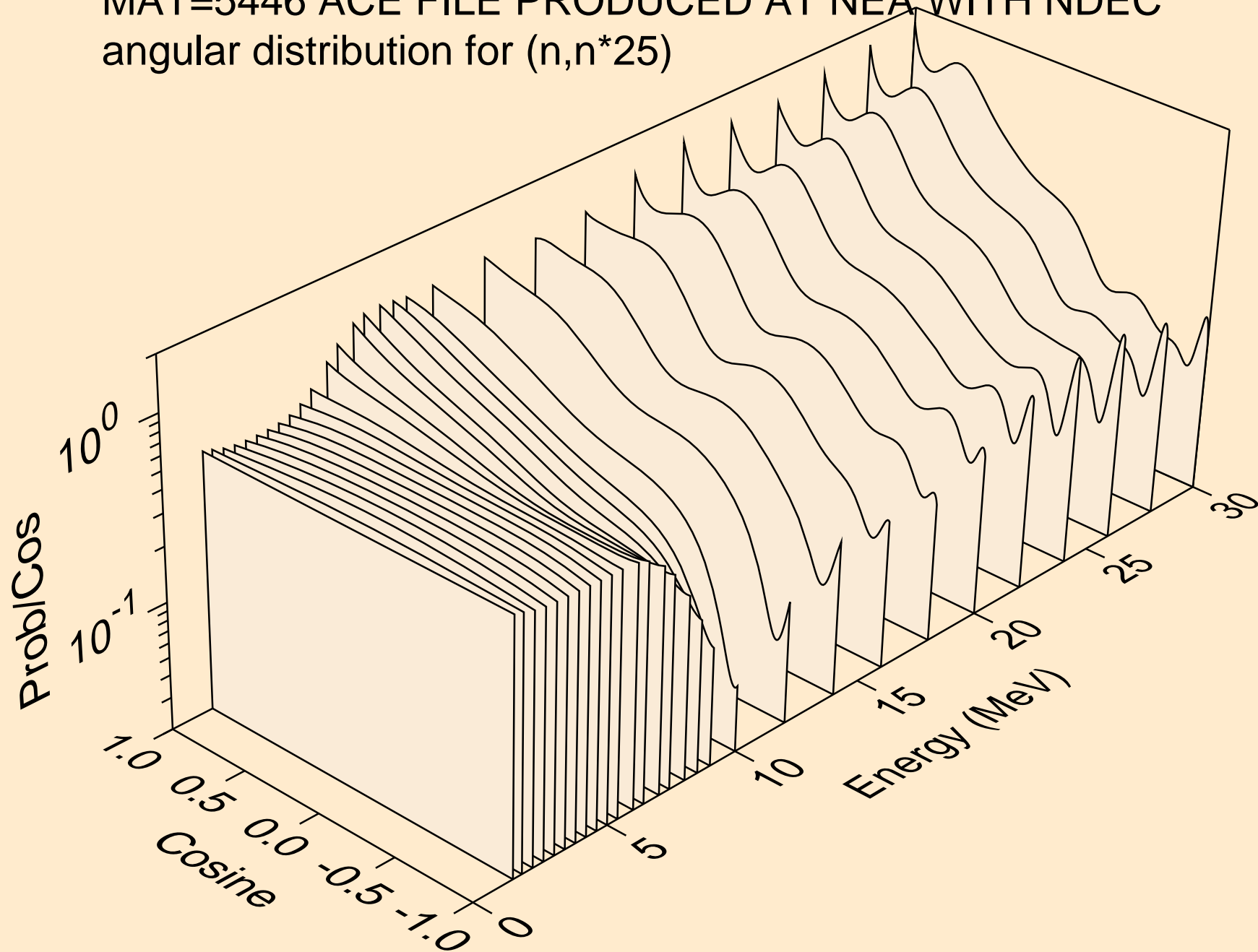
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*23)



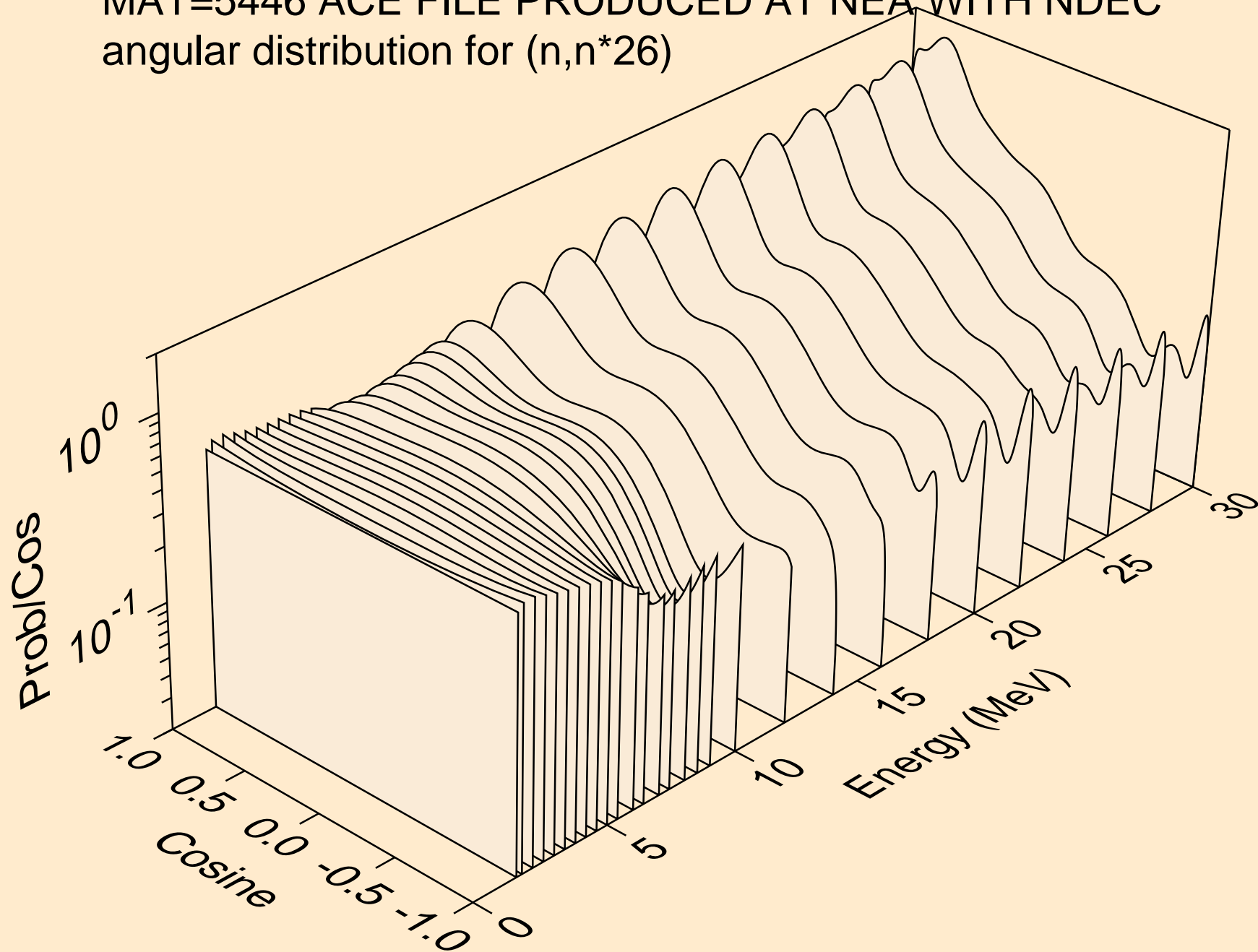
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angular distribution for (n,n\*24)



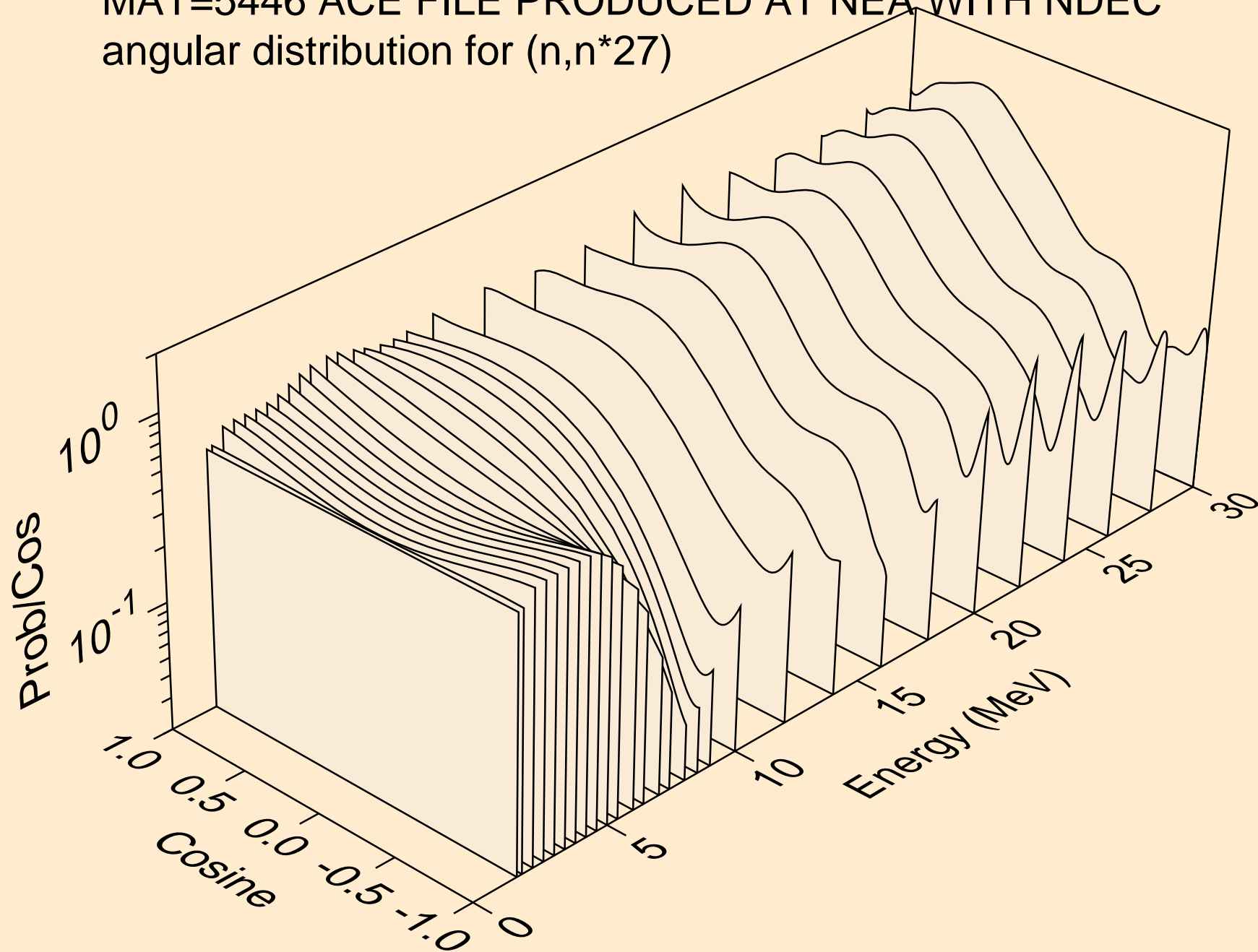
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angular distribution for (n,n\*25)



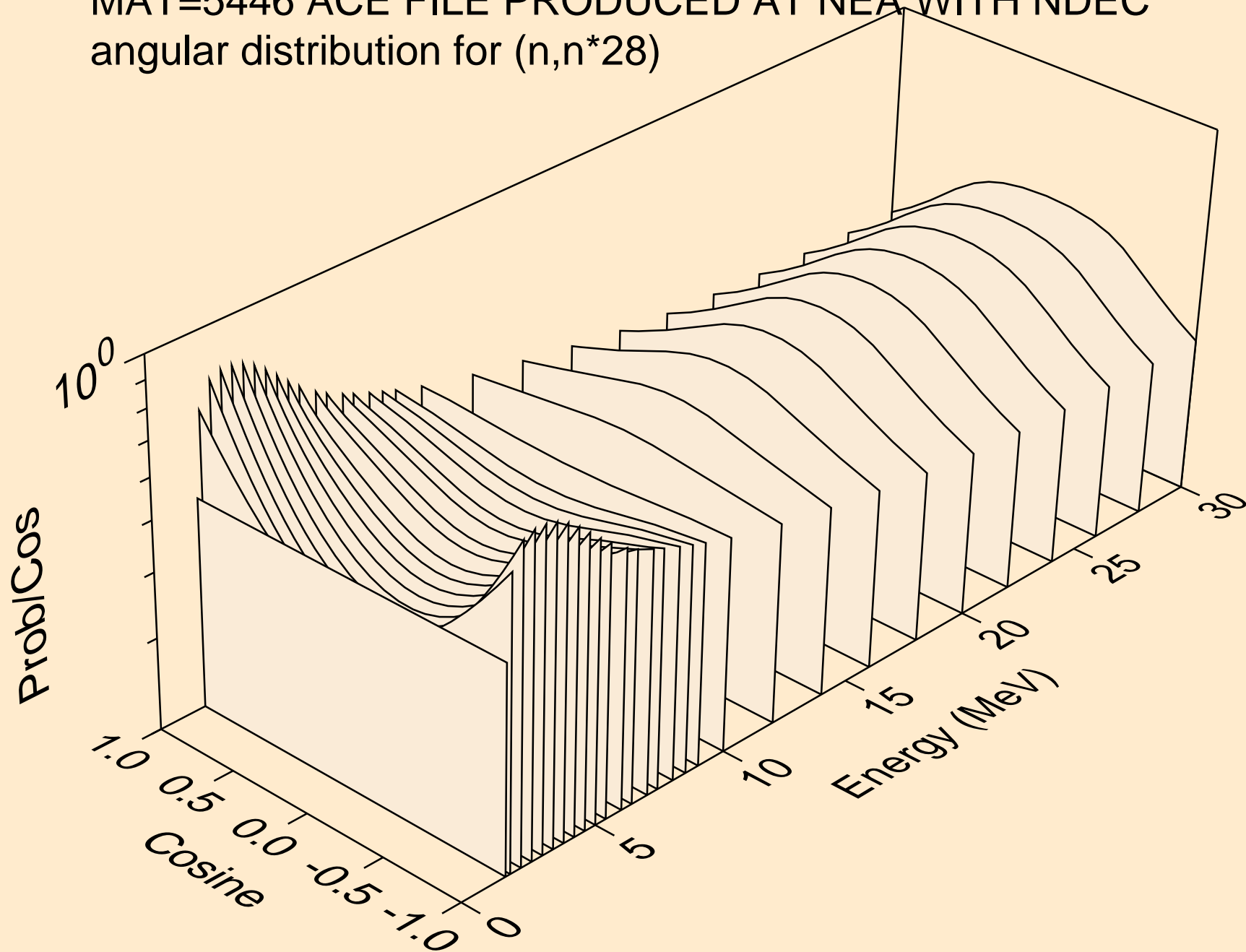
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angular distribution for (n,n\*26)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*27)

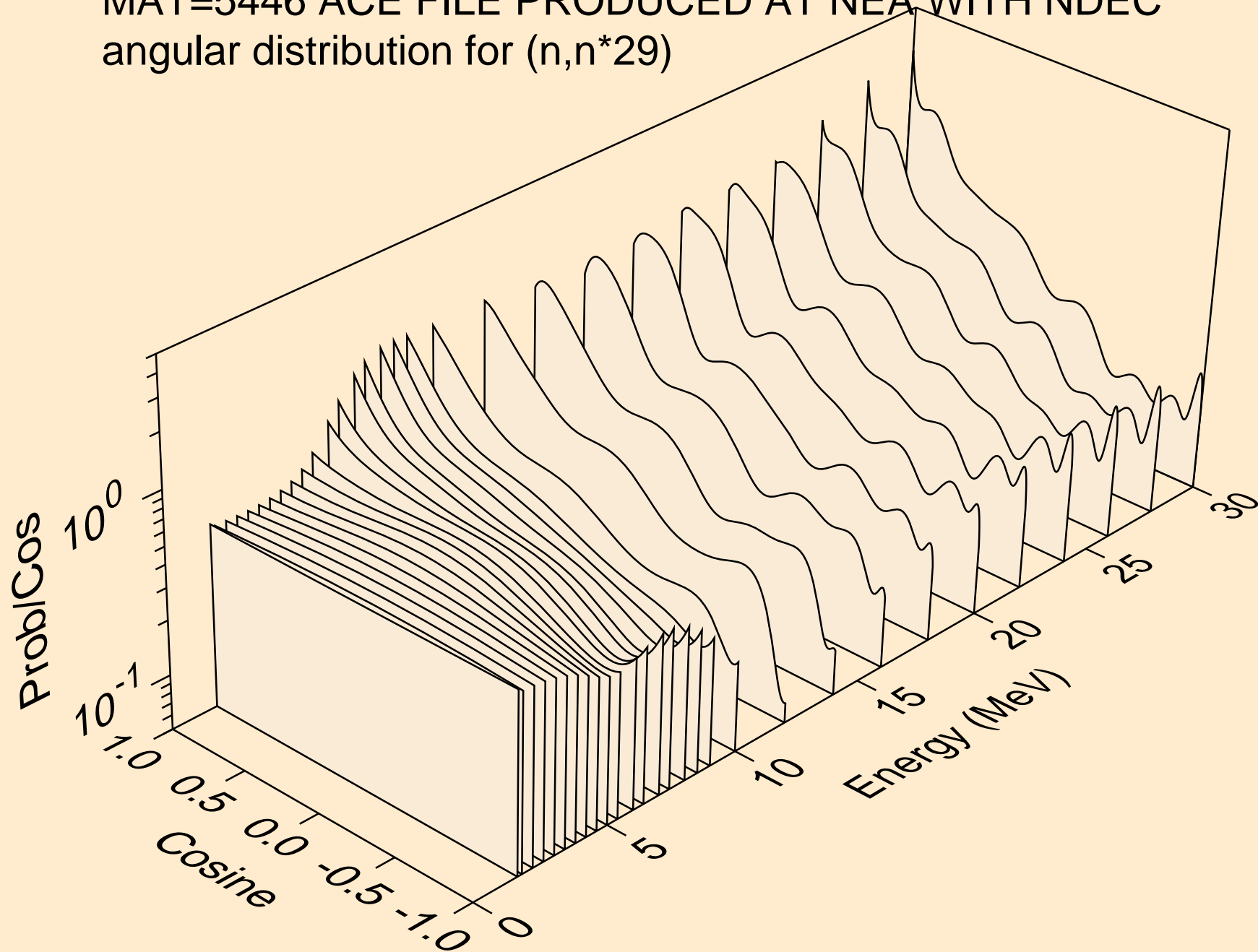


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*28)

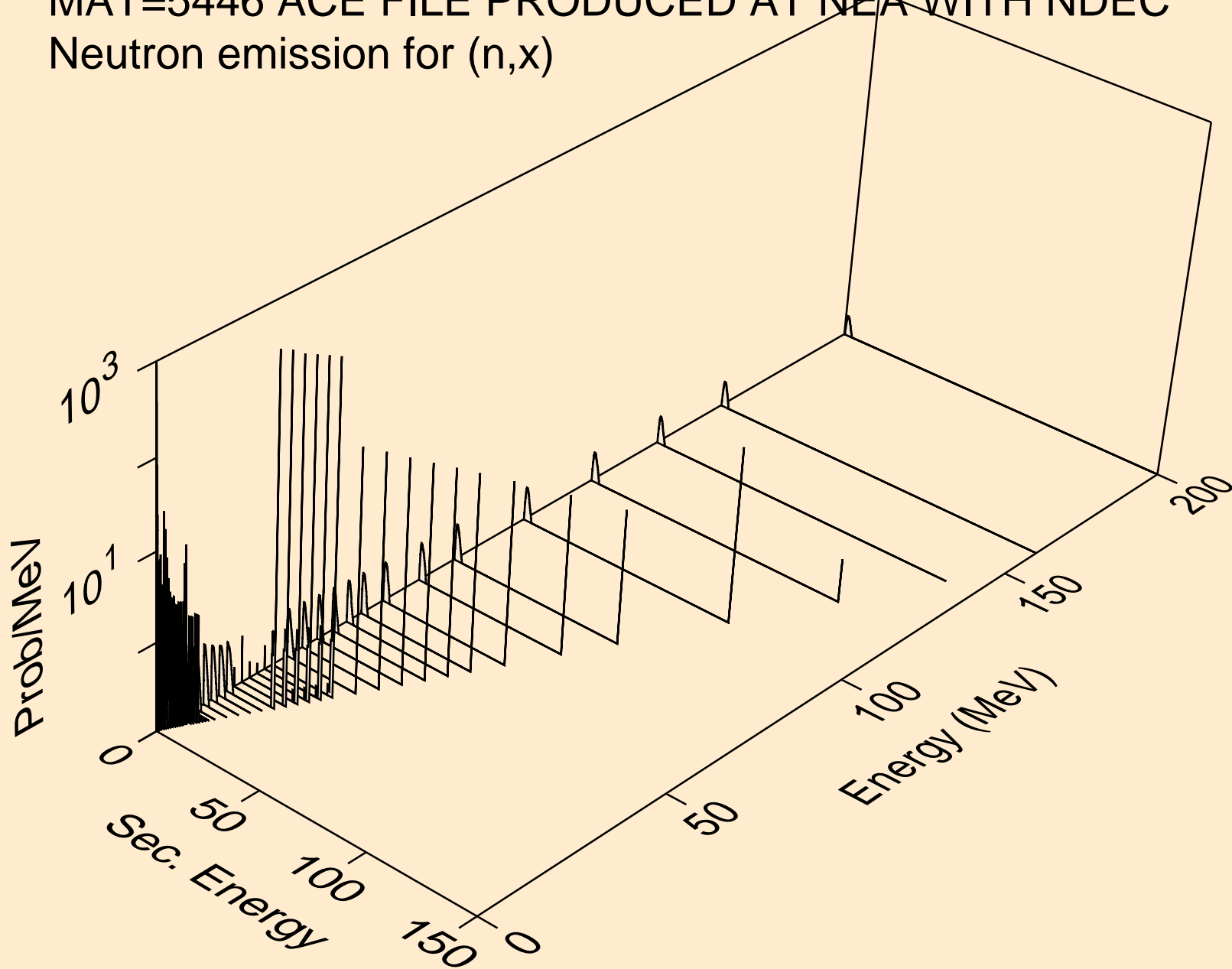




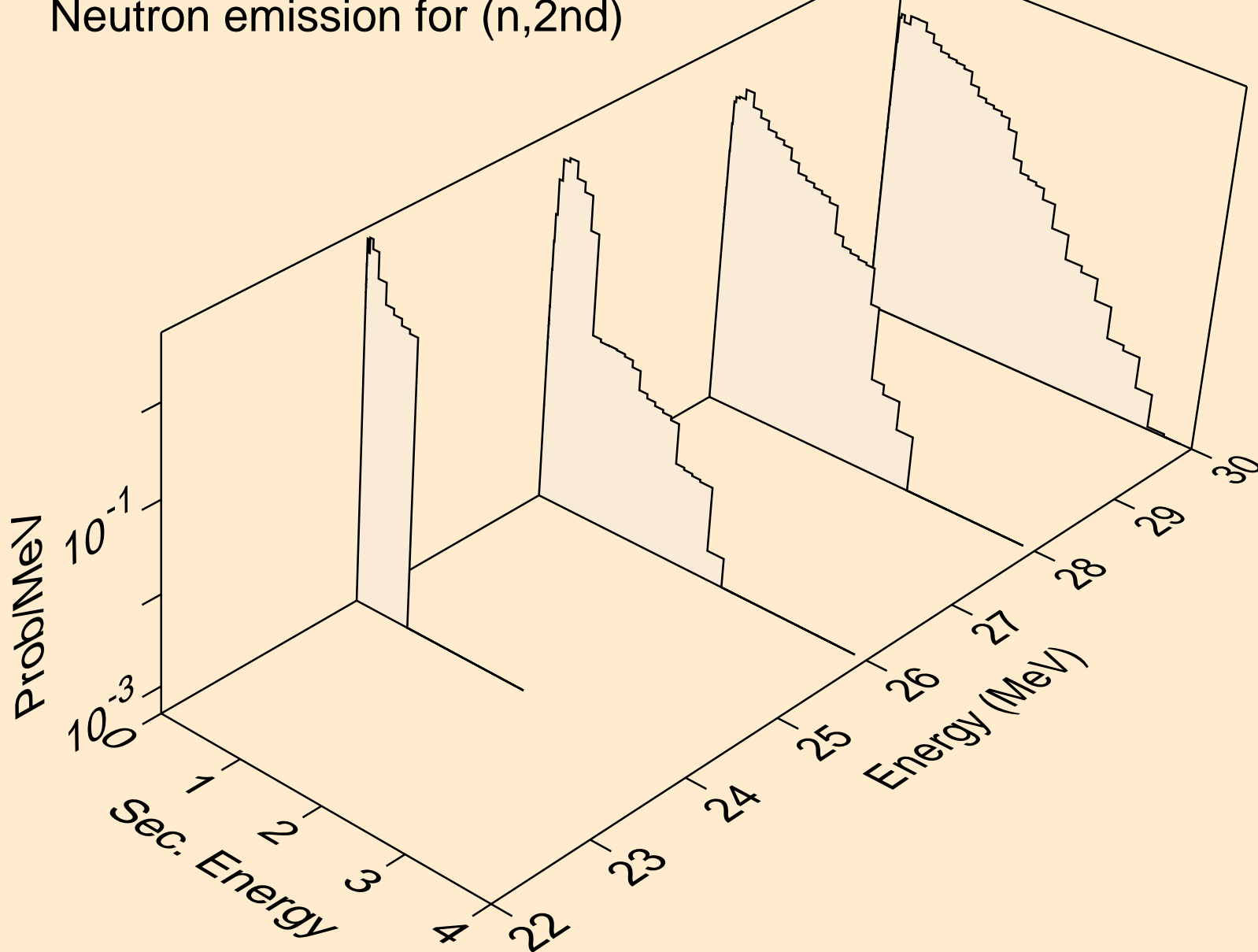
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*29)



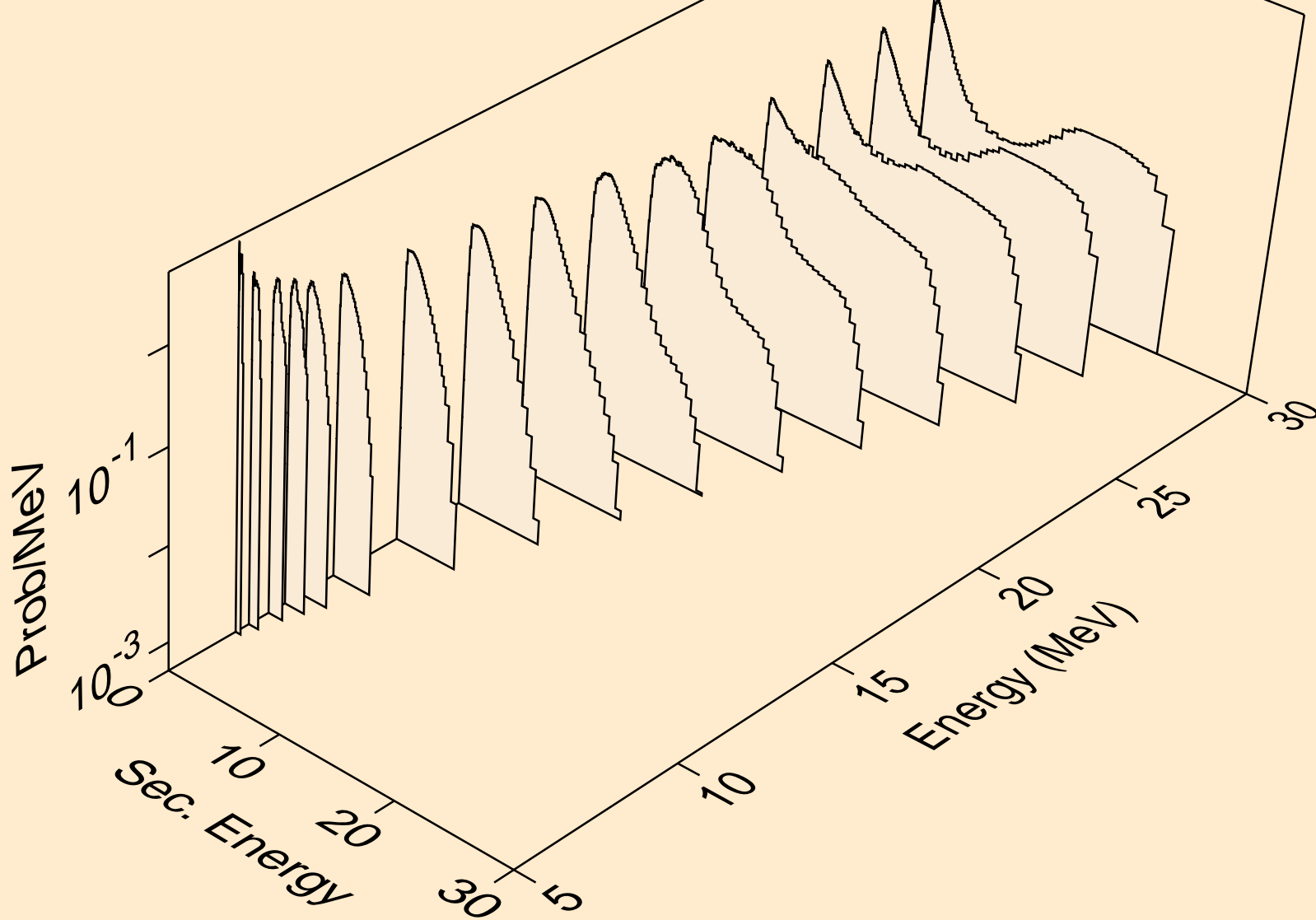
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,x)



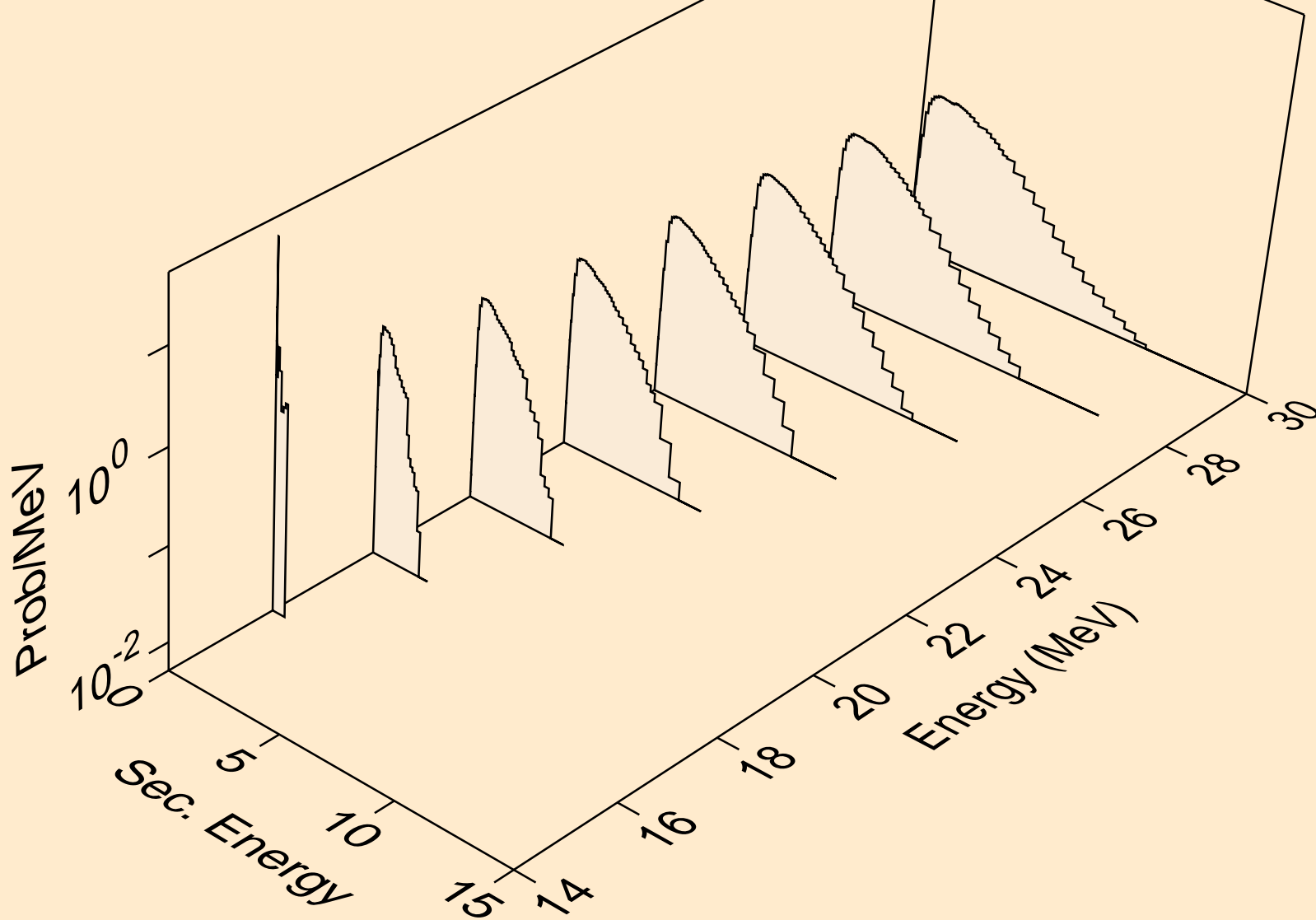
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2nd)



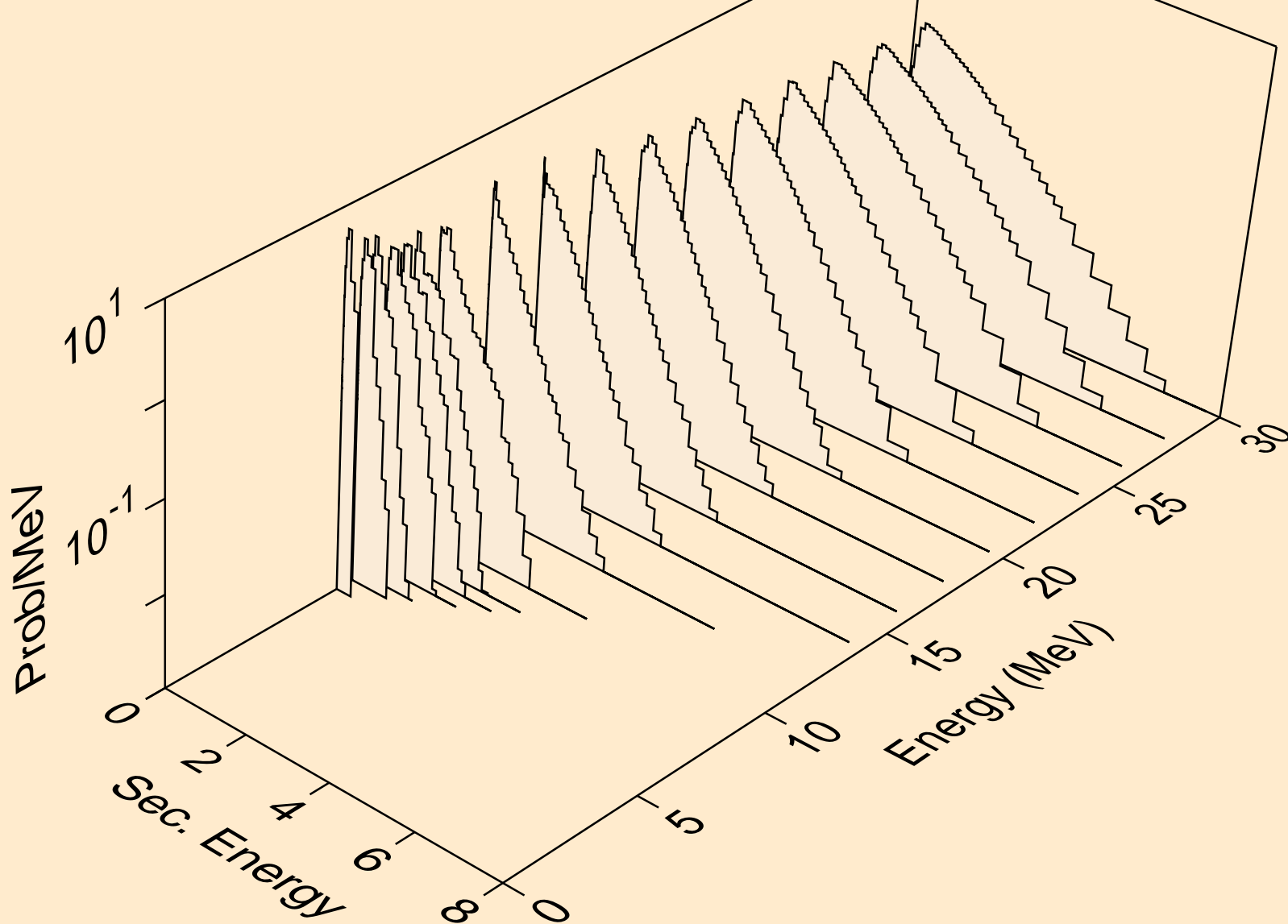
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)



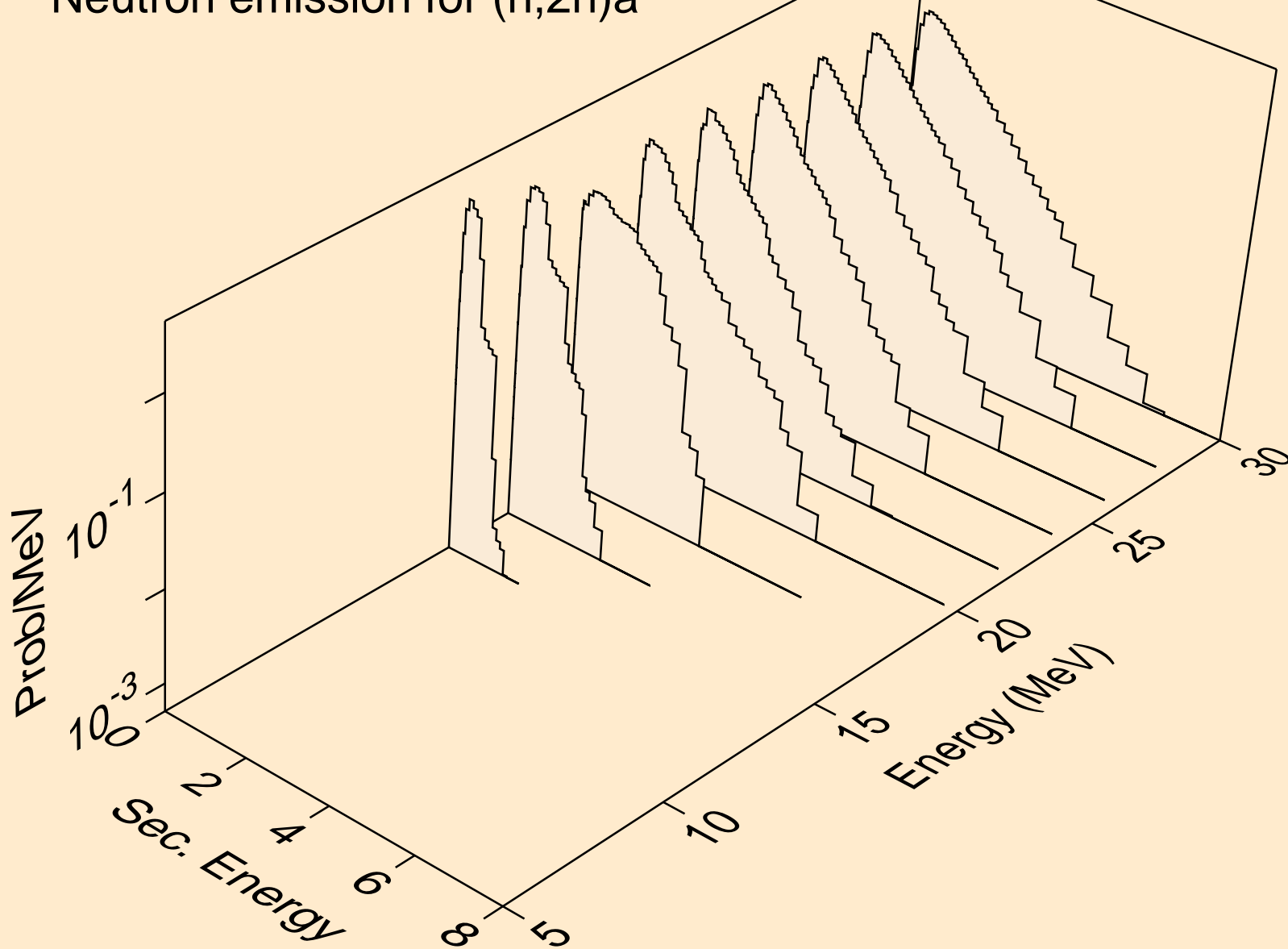
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)



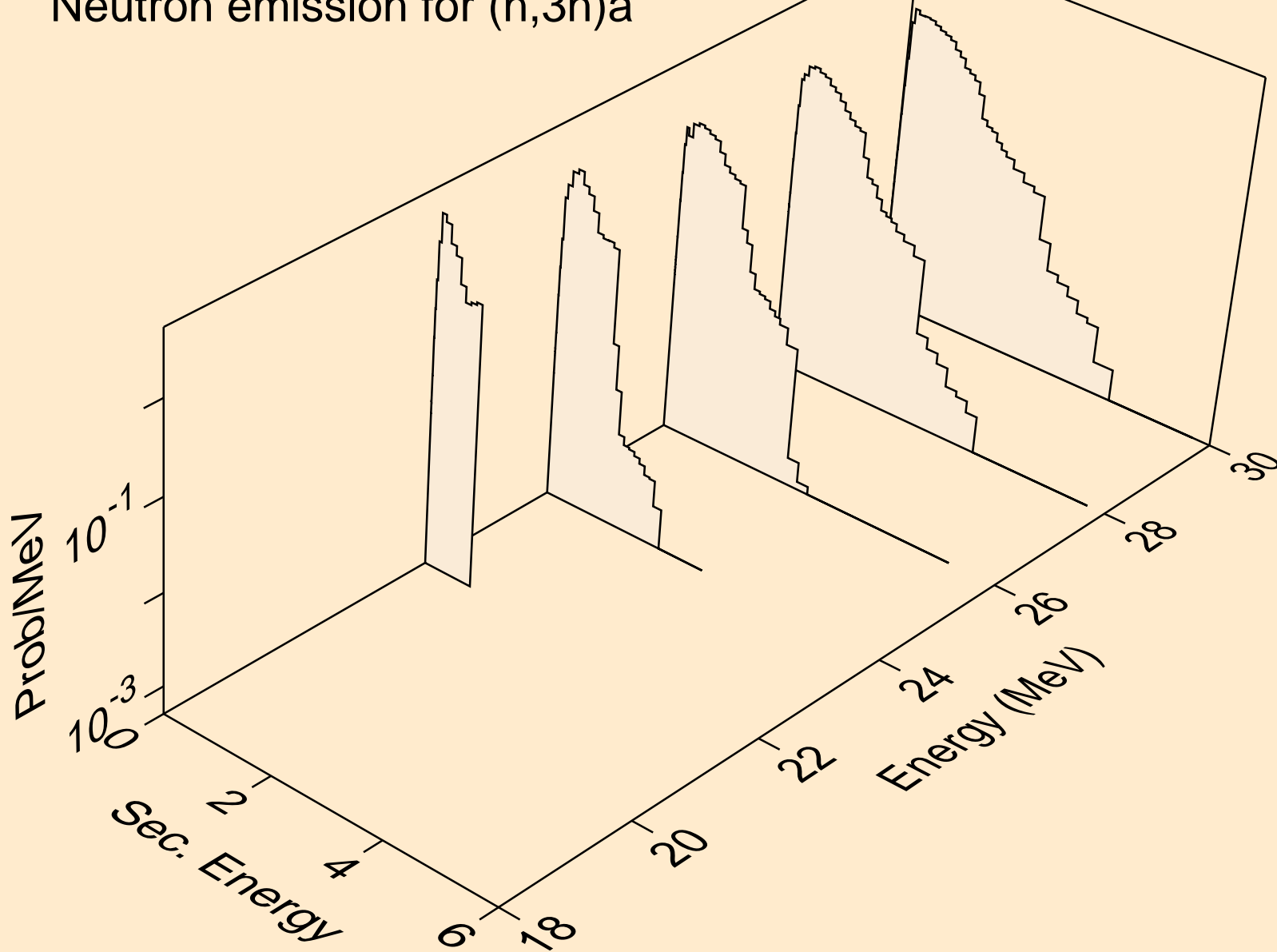
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)a



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)a

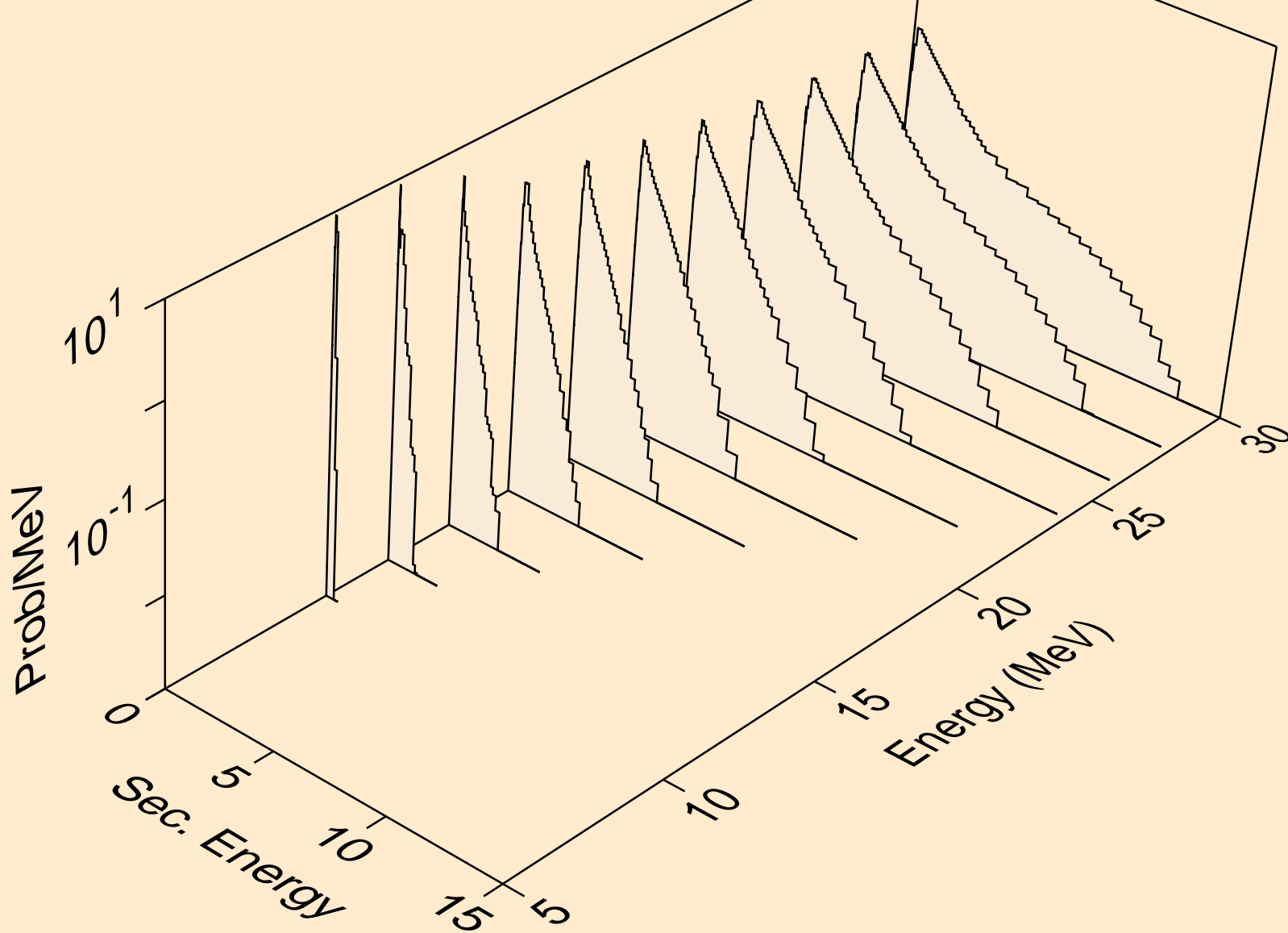


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)a

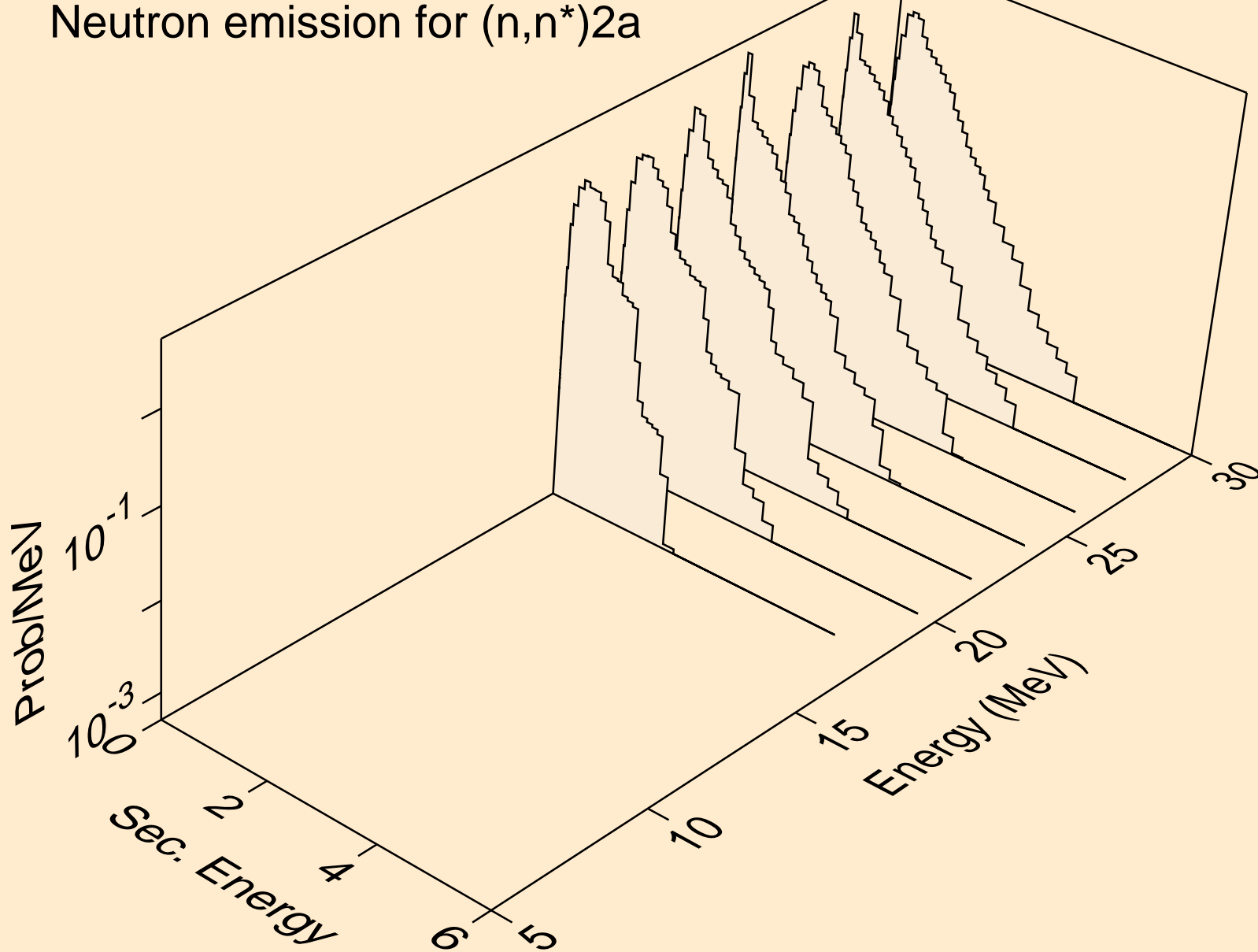




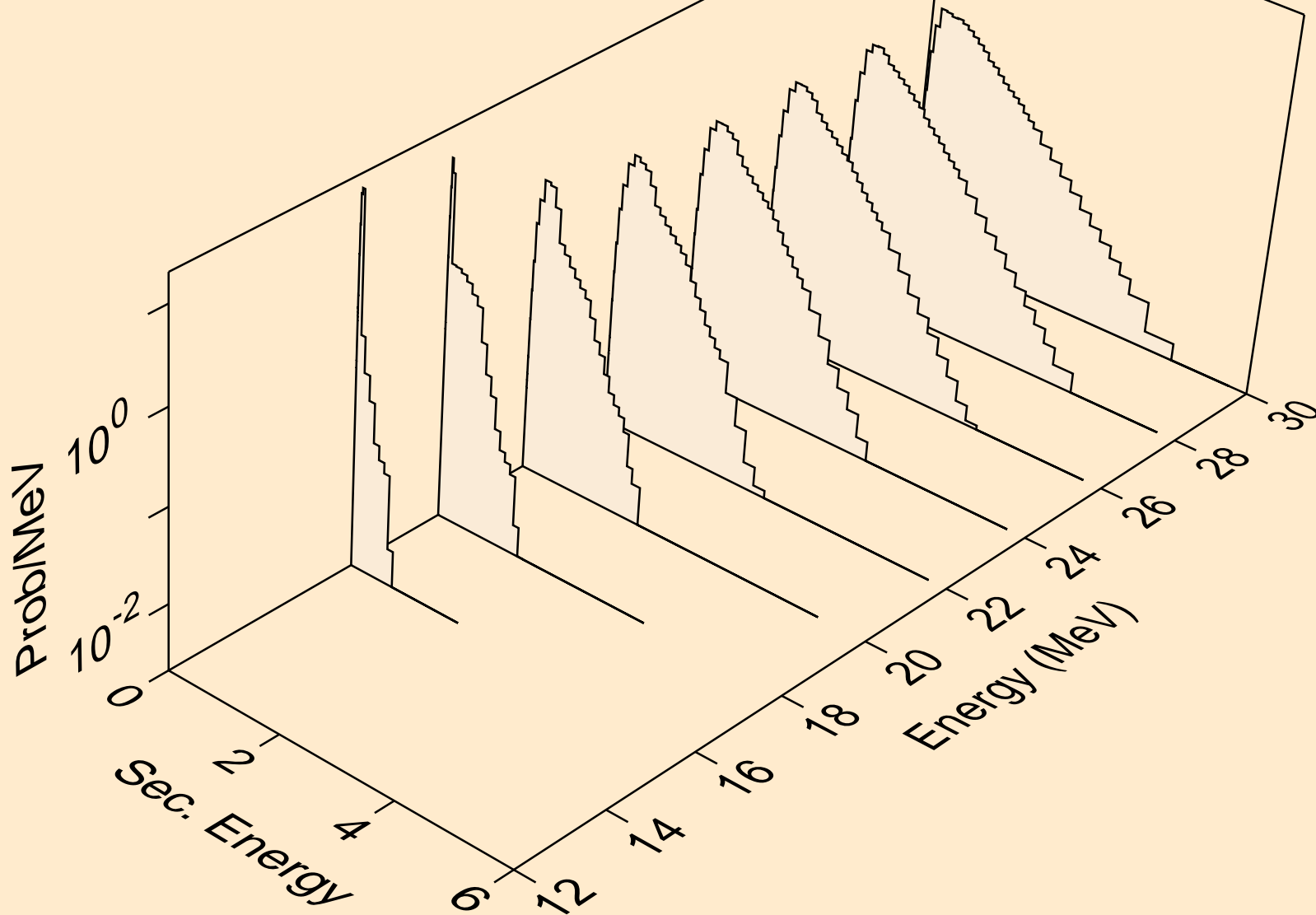
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)p



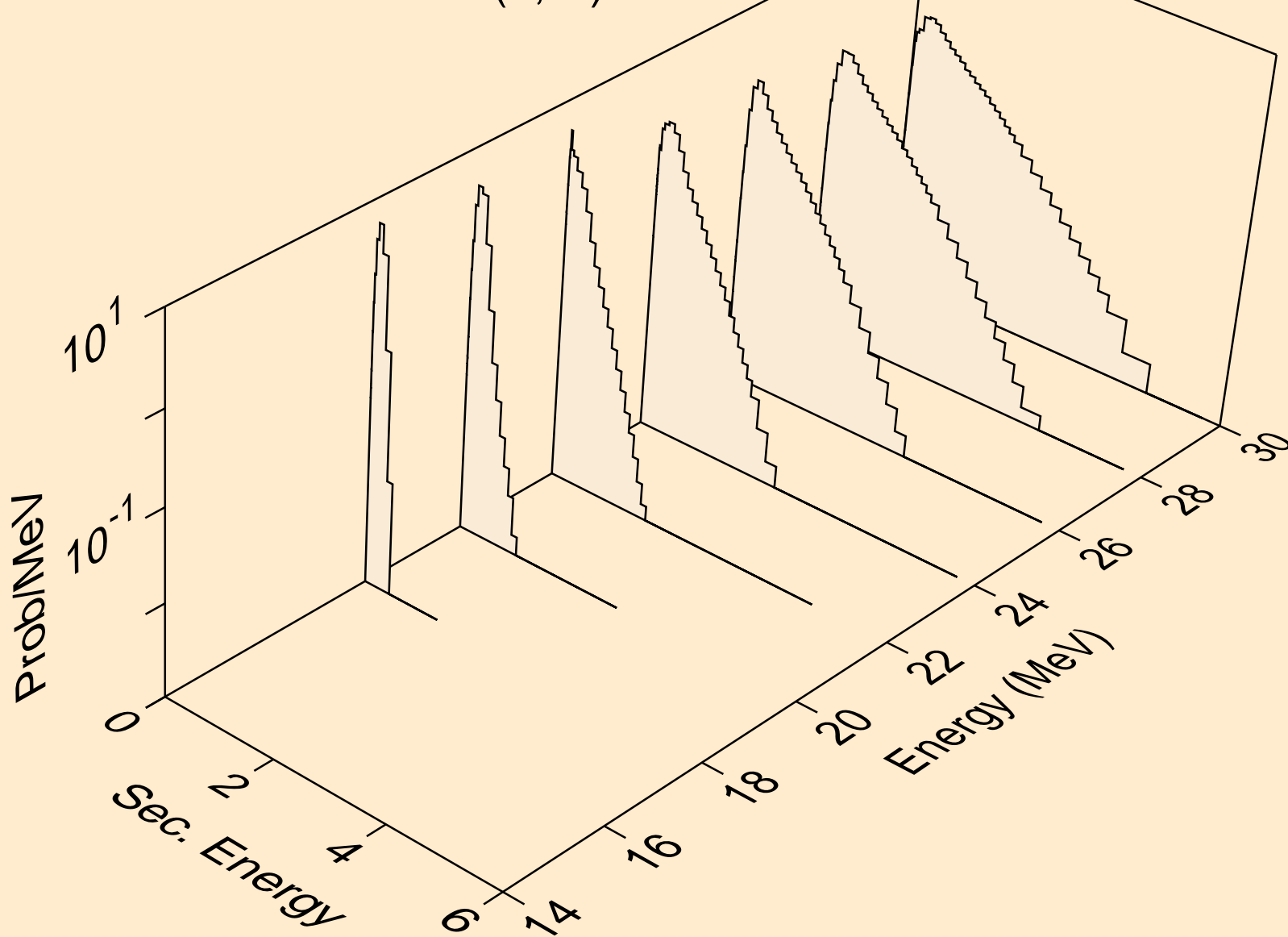
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)2a



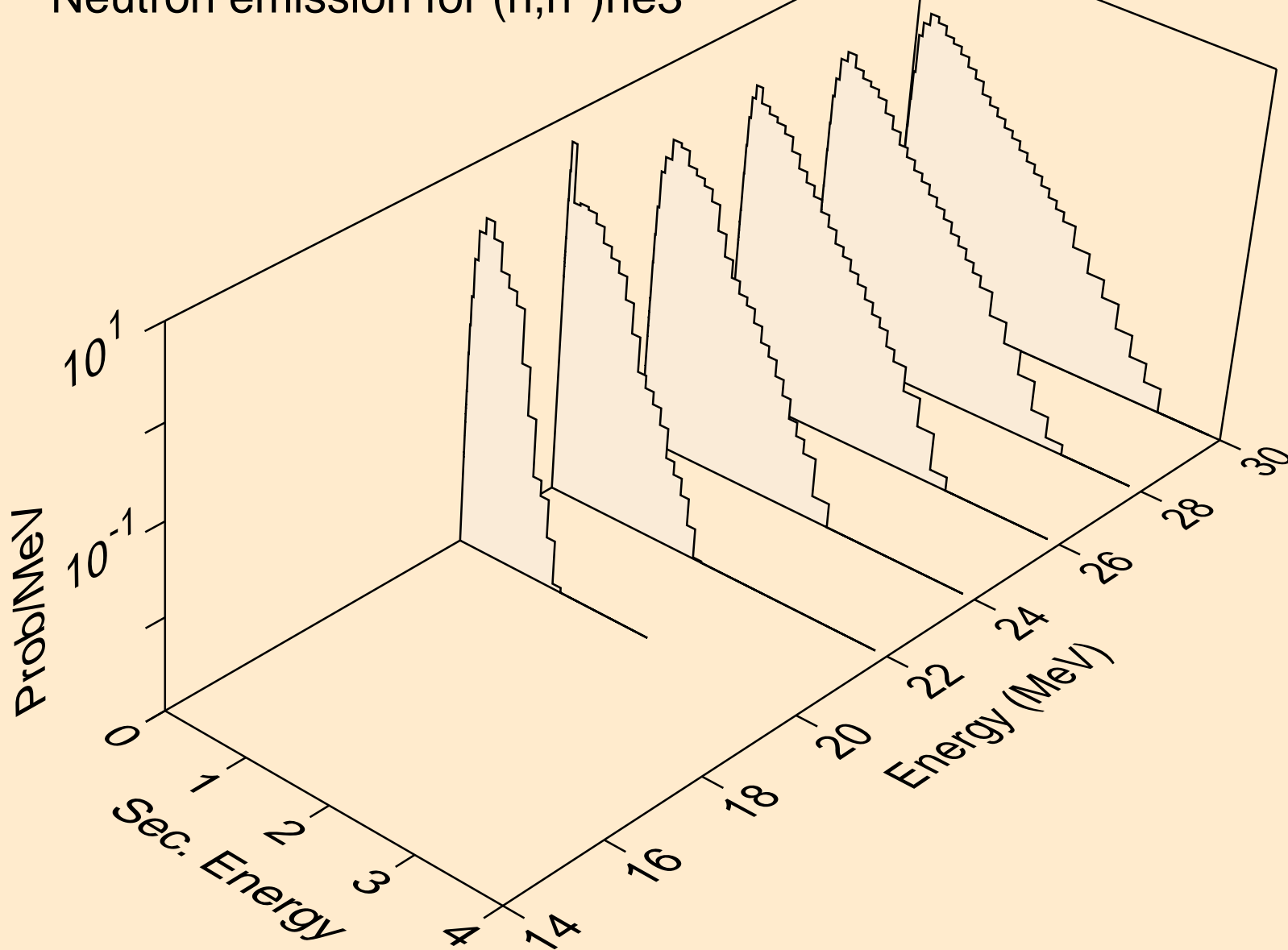
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)d



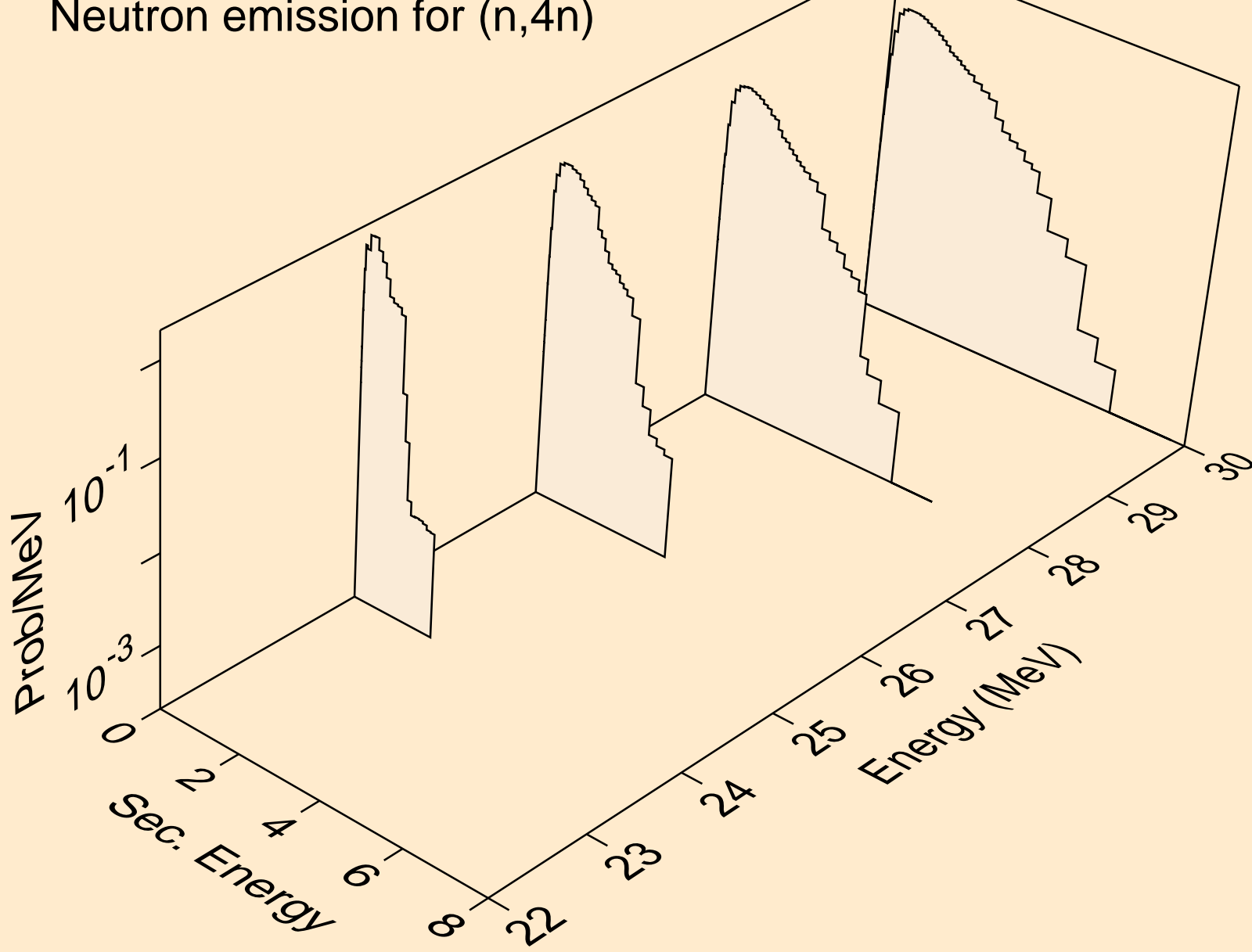
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)t



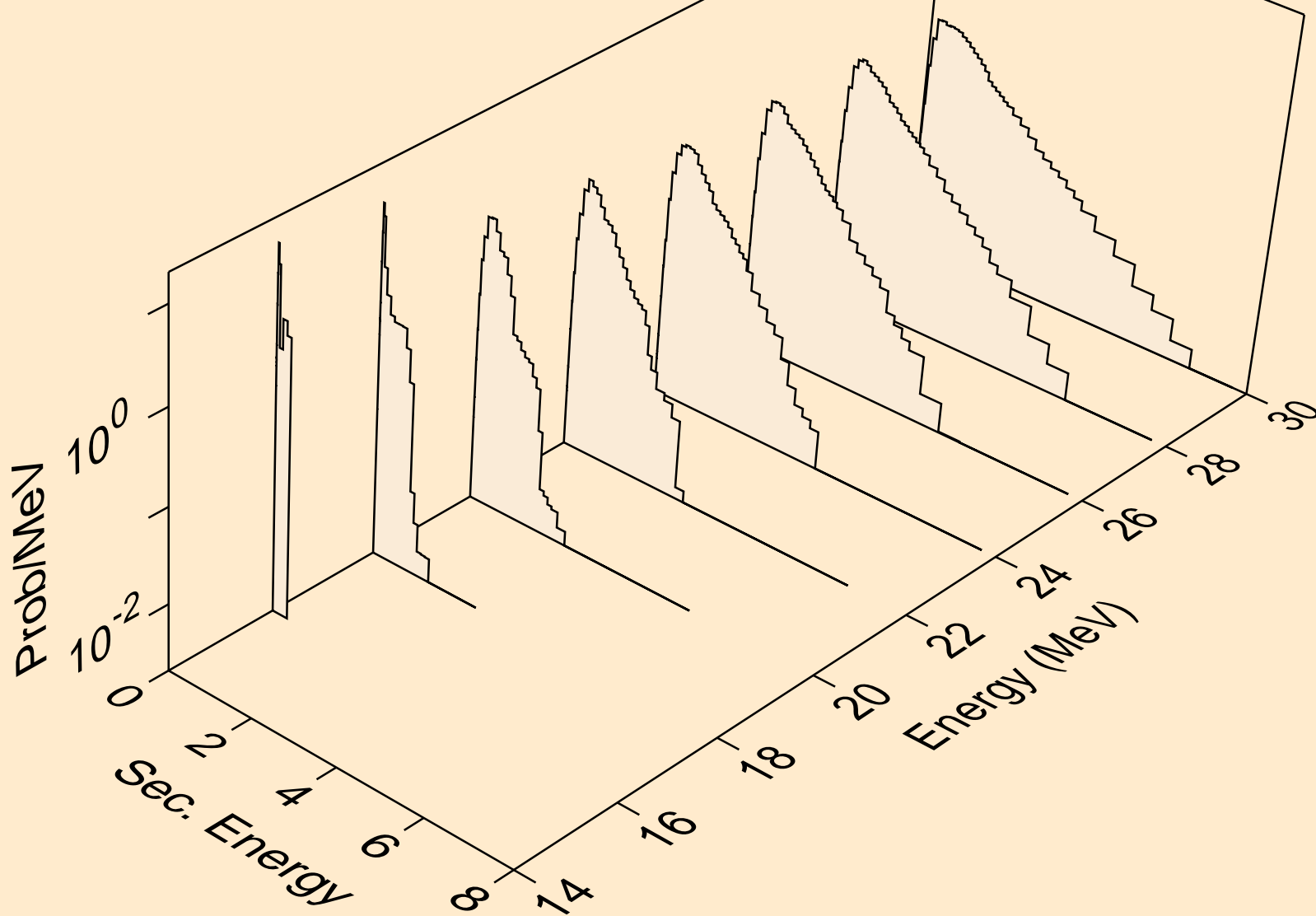
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)he3



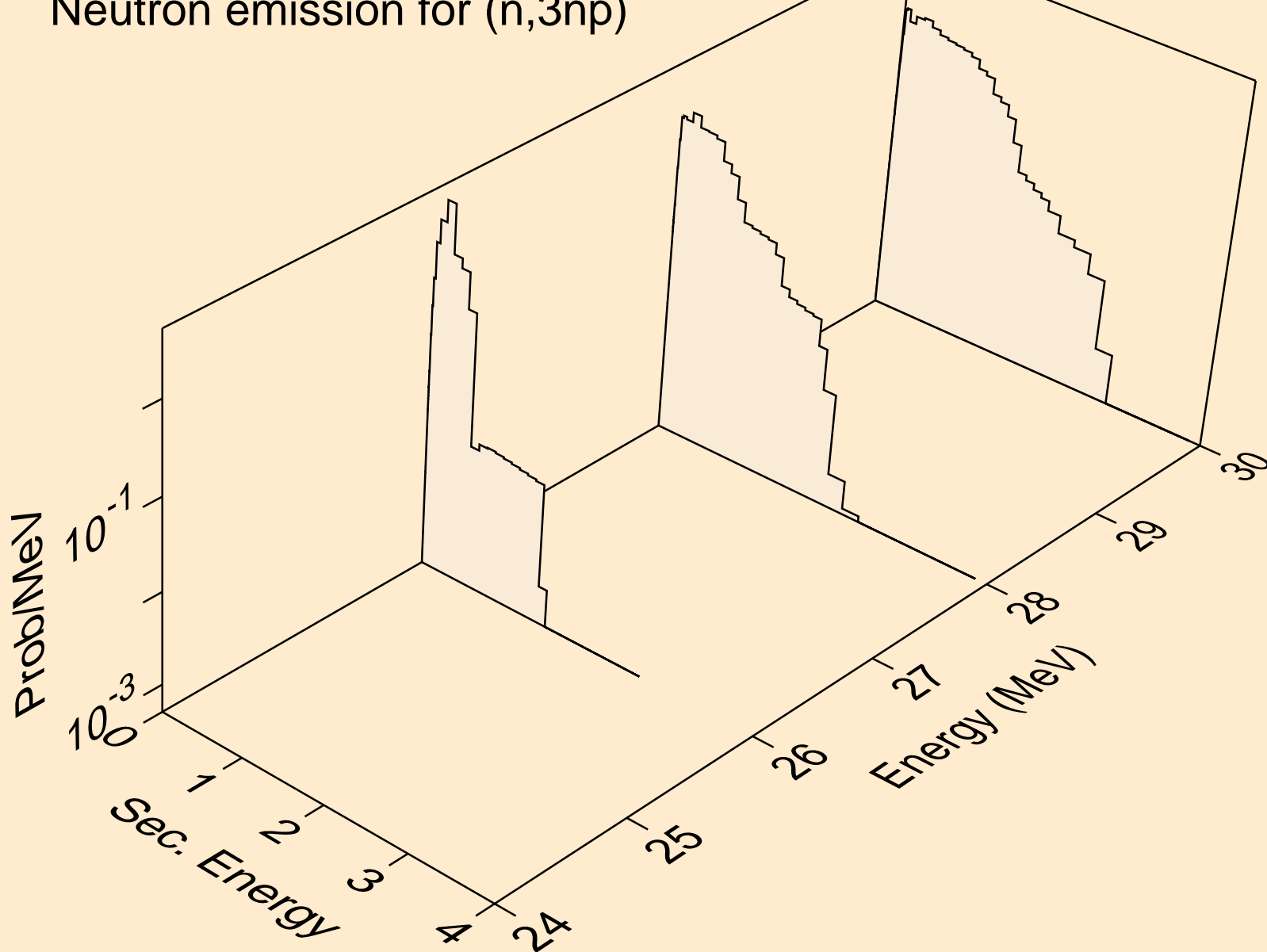
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,4n)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2np)

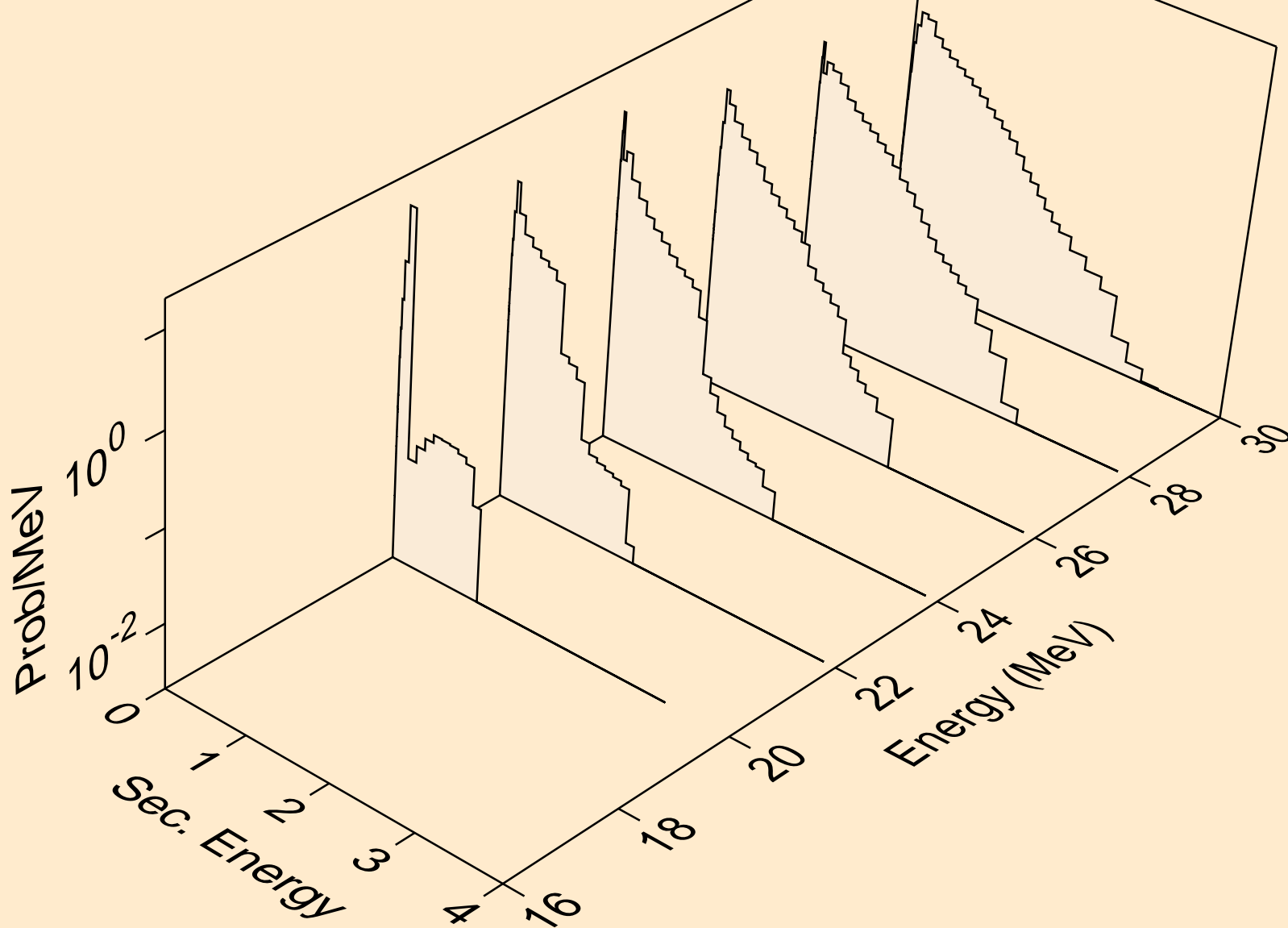


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Neutron emission for (n,3np)

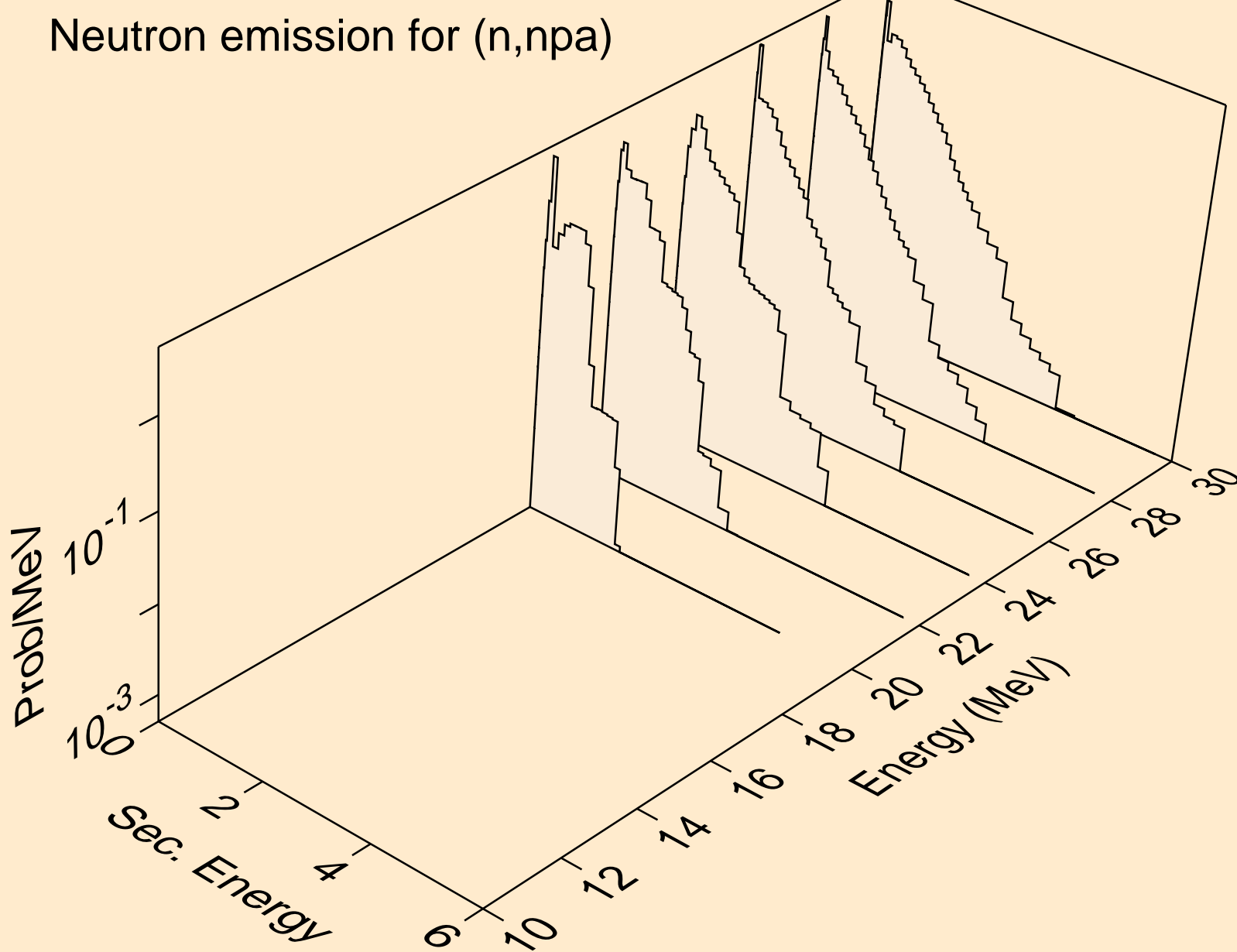




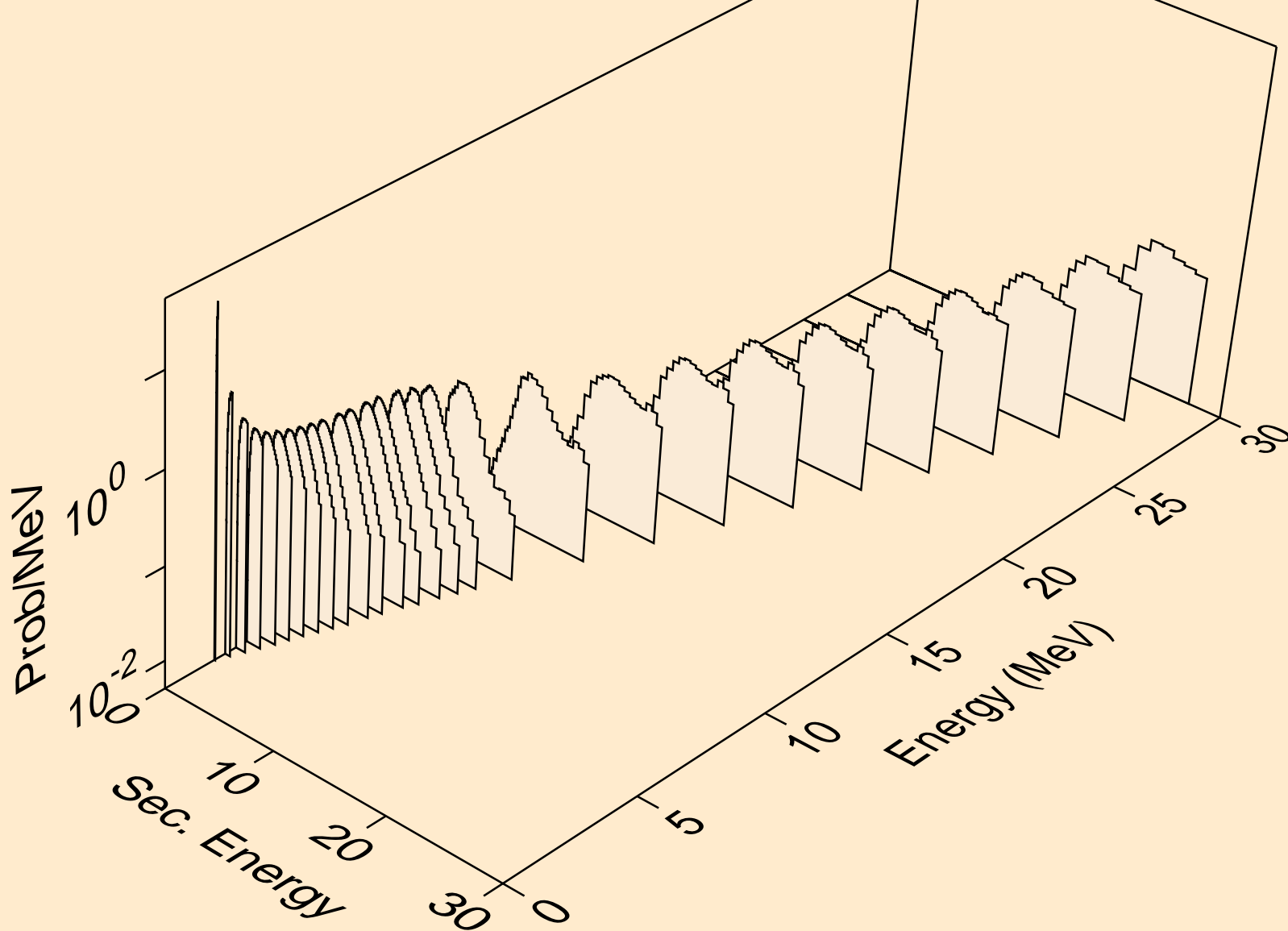
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2np)



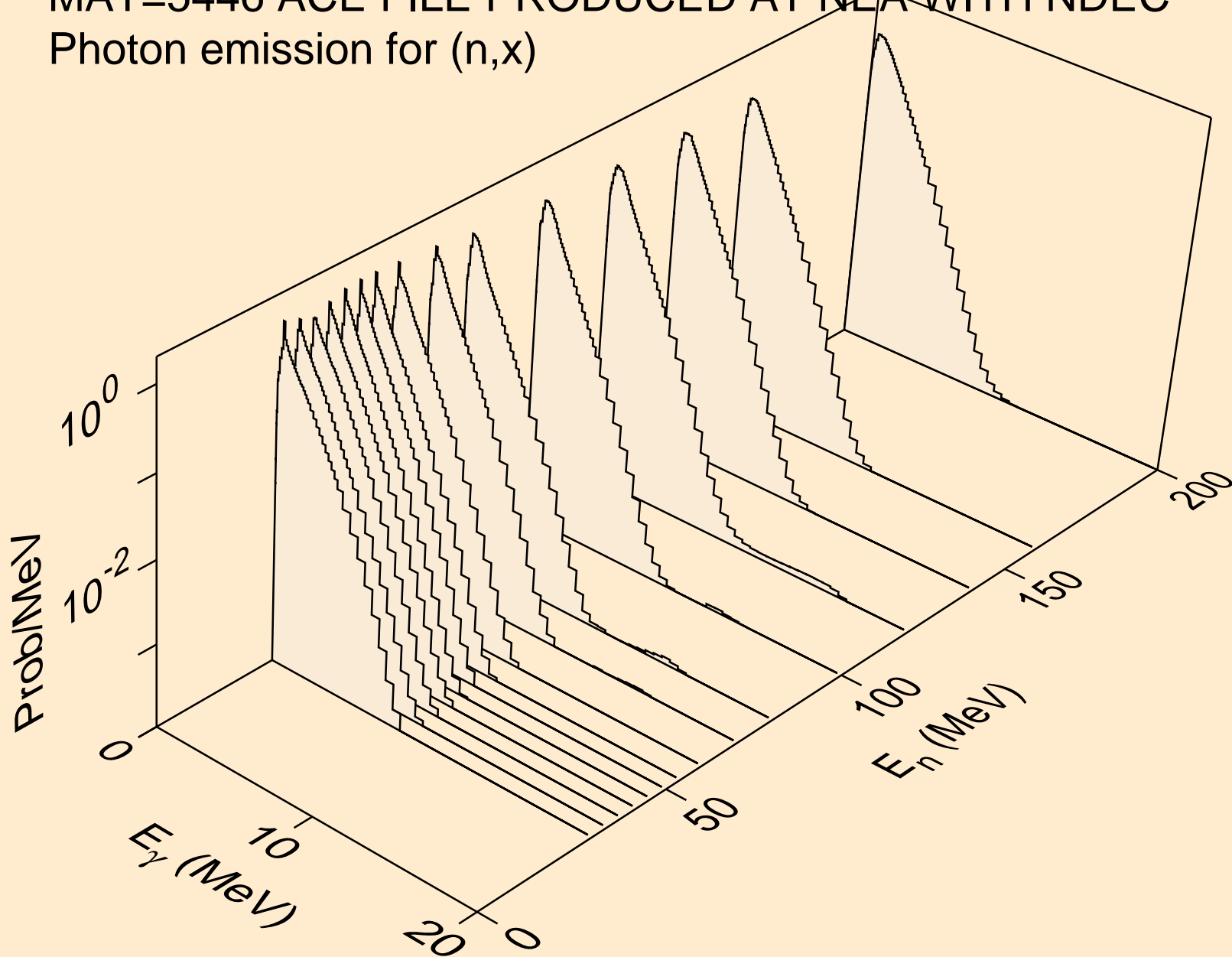
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,npa)



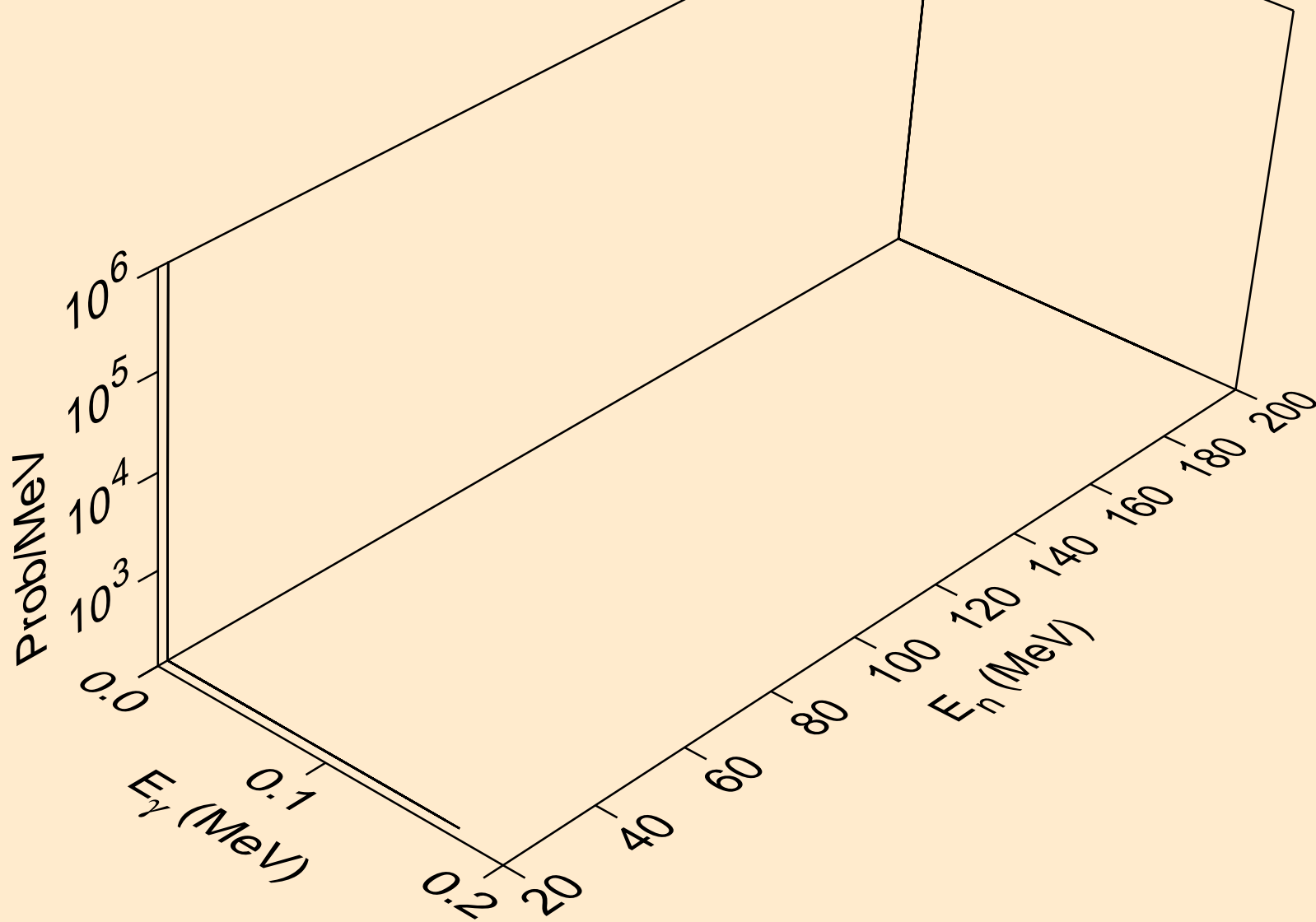
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Neutron emission for (n,n\*c)



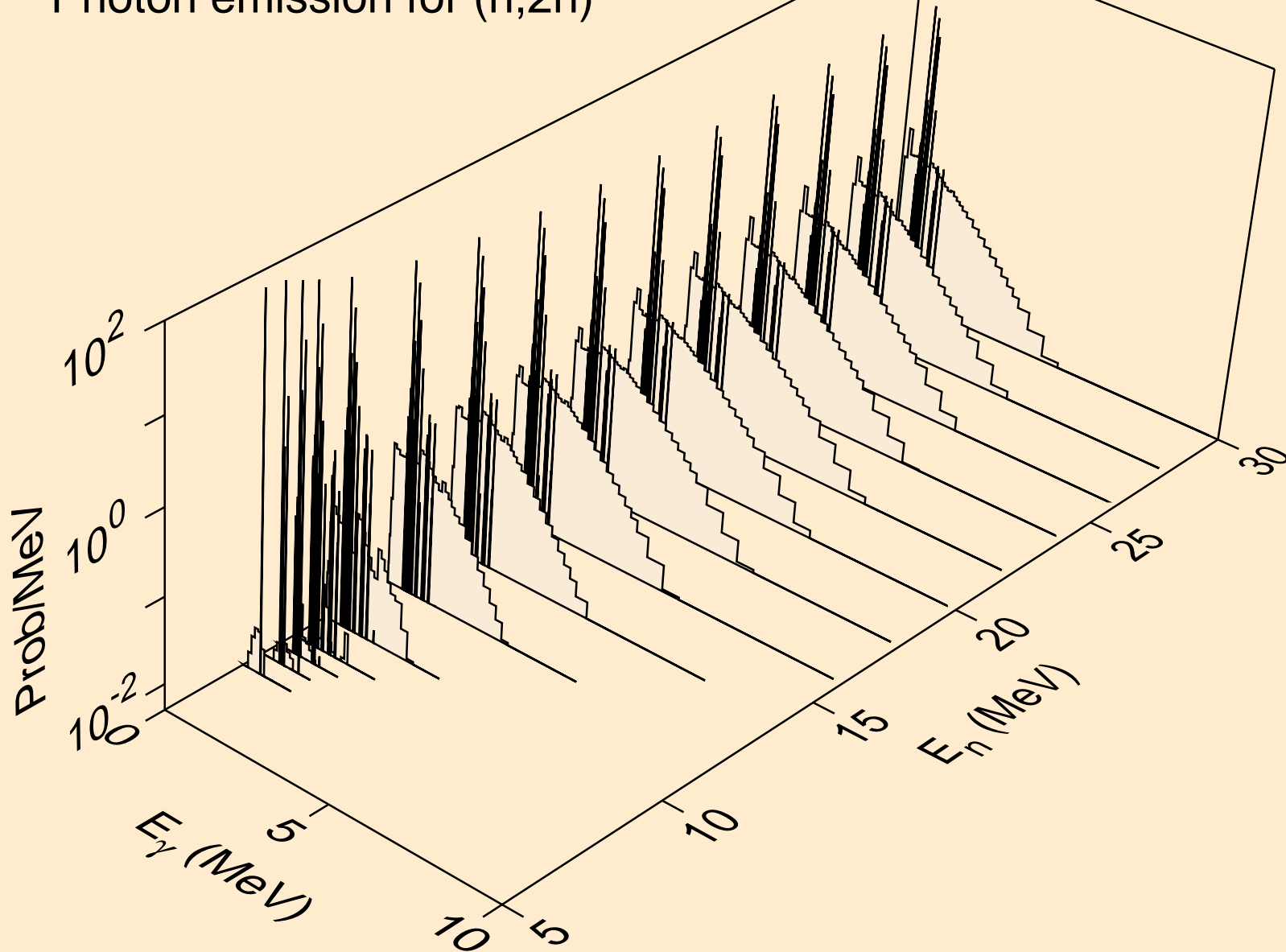
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,x)



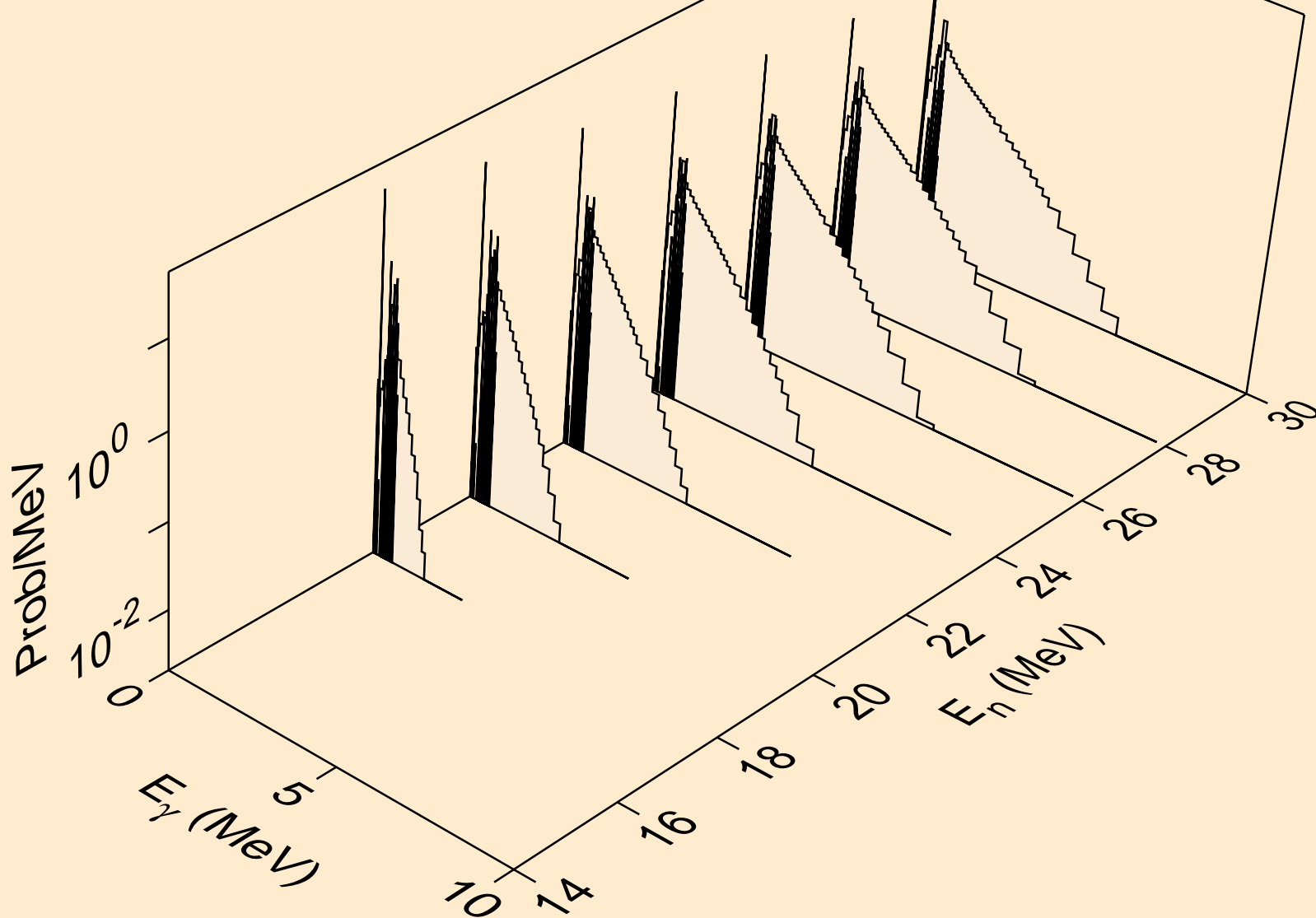
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Photon emission for (n,2nd)



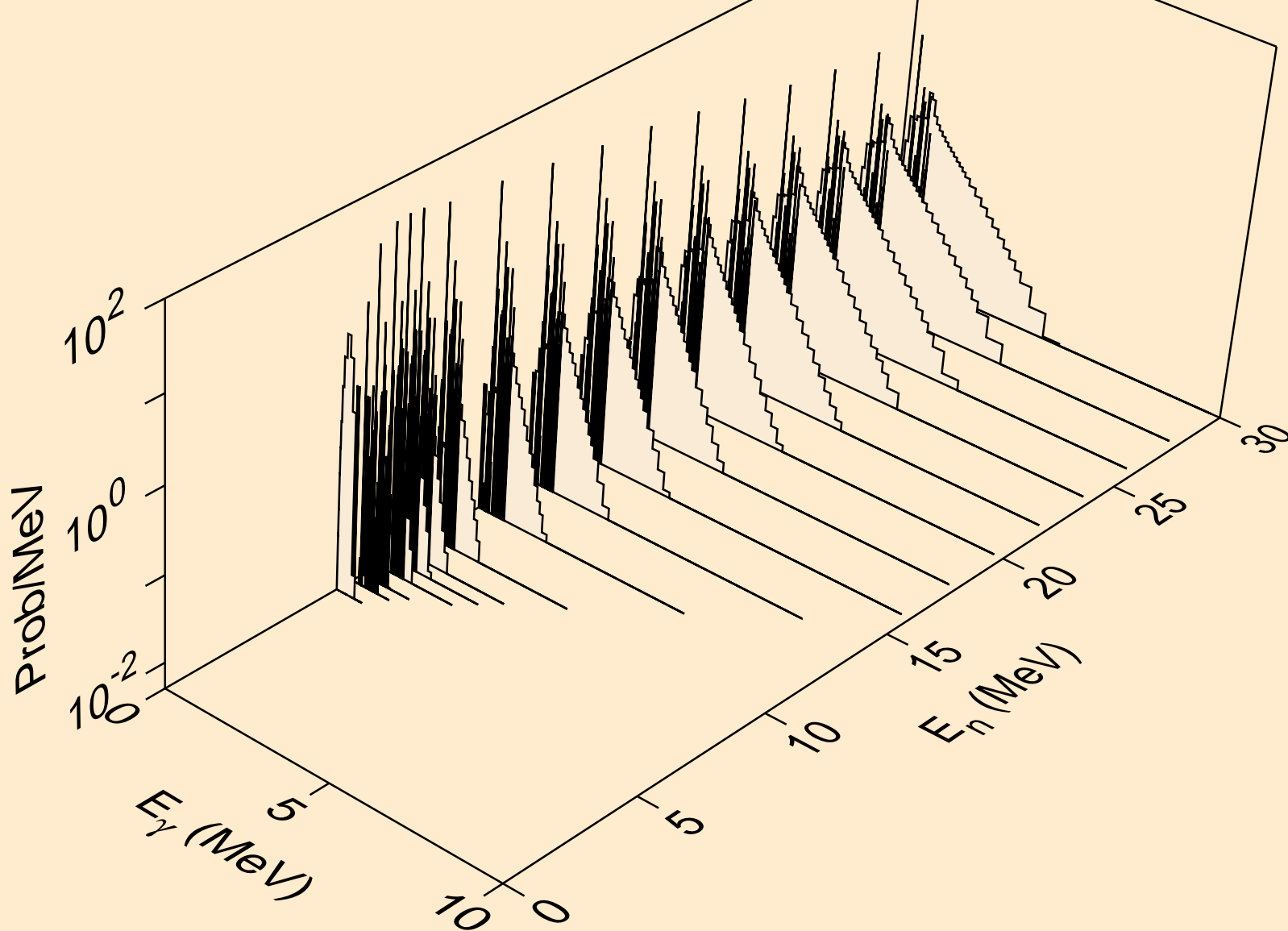
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Photon emission for (n,2n)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,3n)

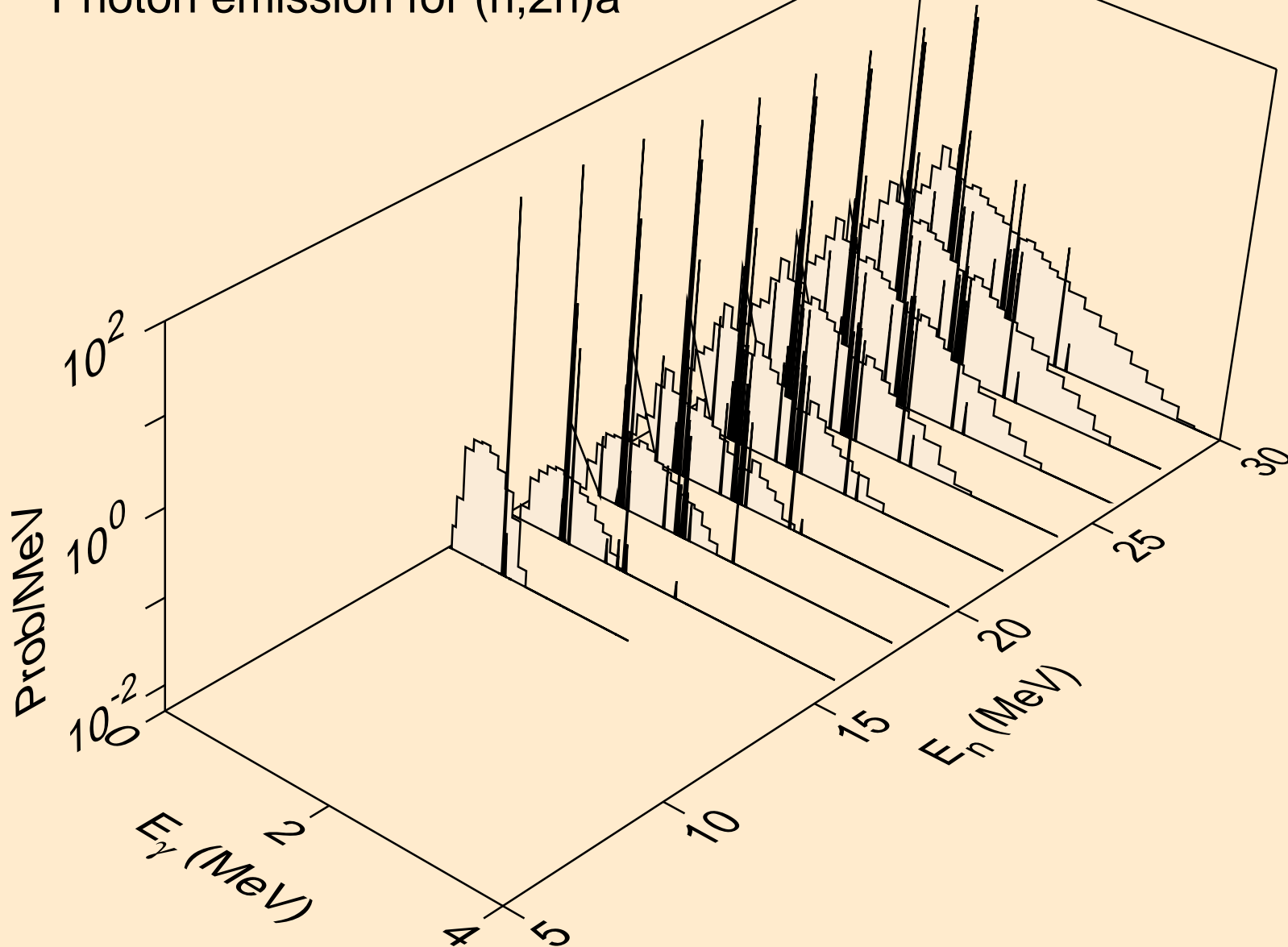


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Photon emission for (n,n\*)a

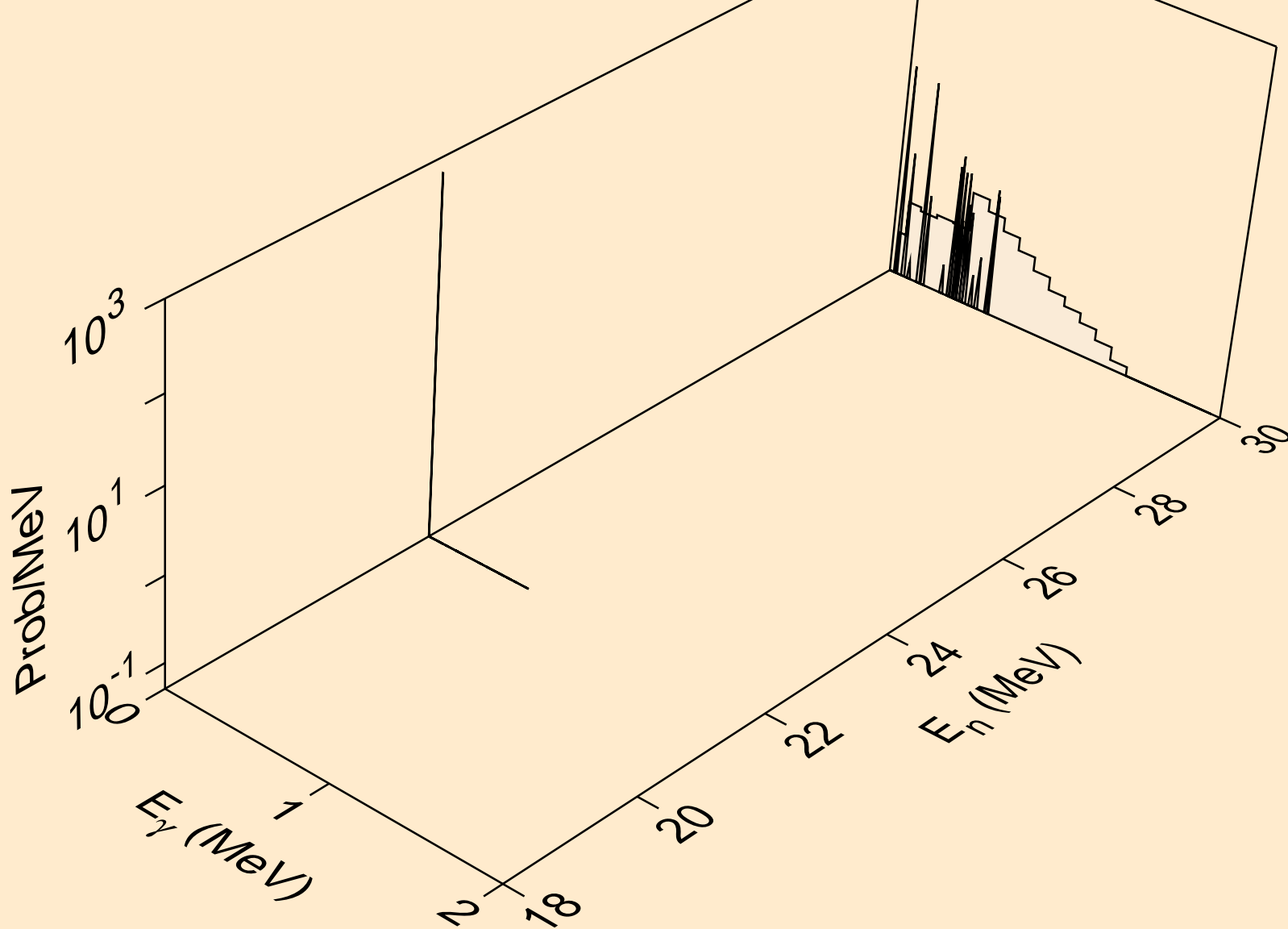




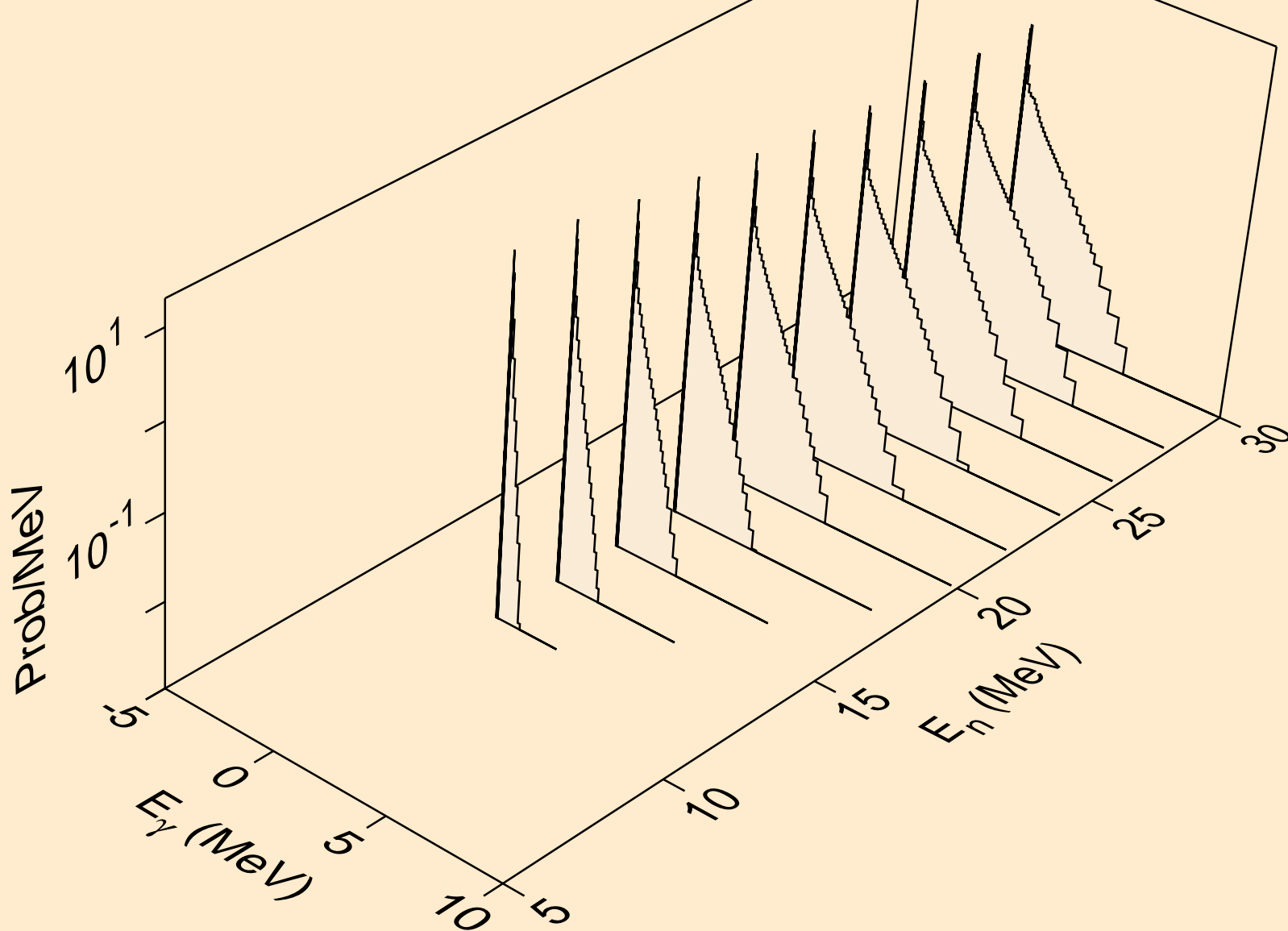
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Photon emission for (n,2n)a



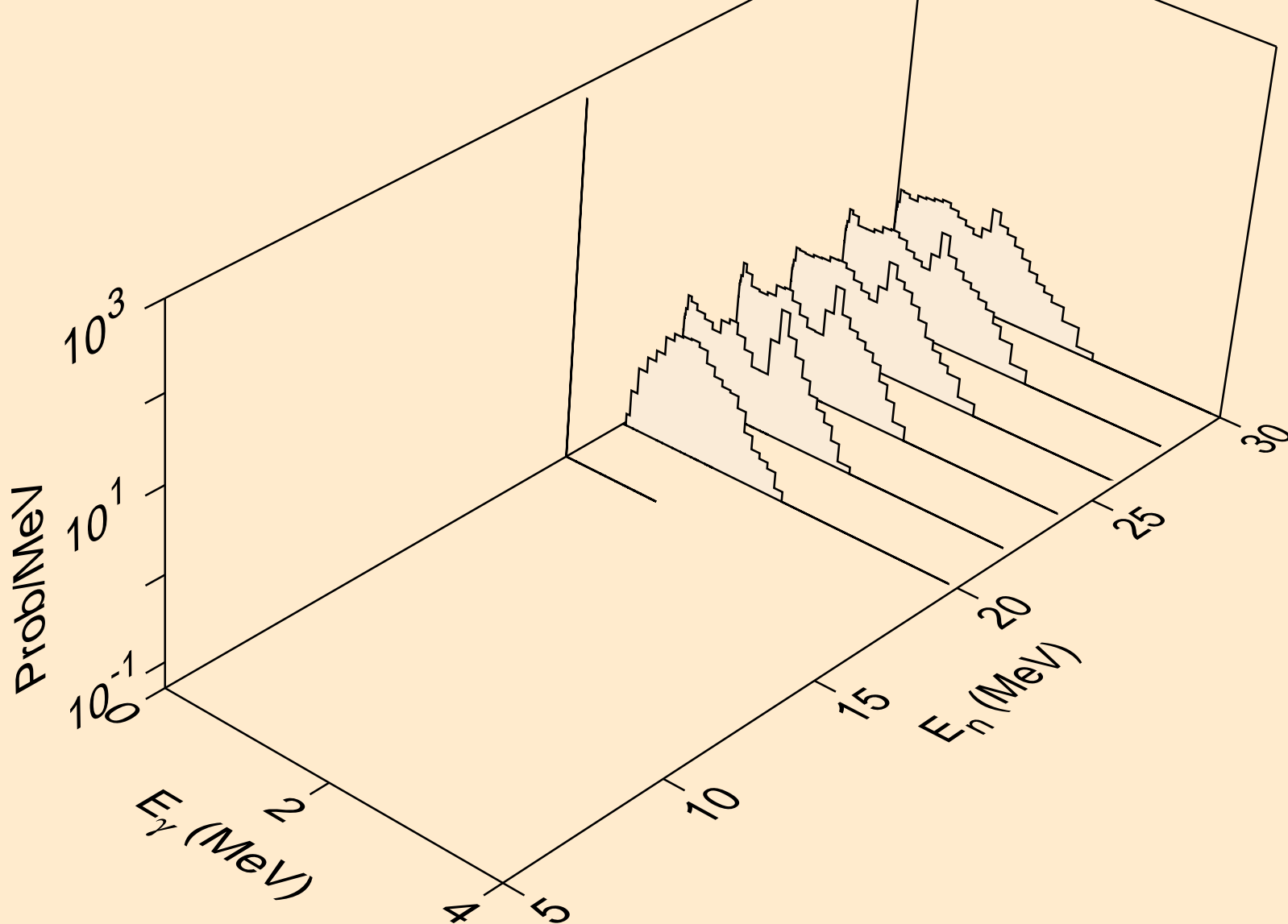
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Photon emission for (n,3n)a



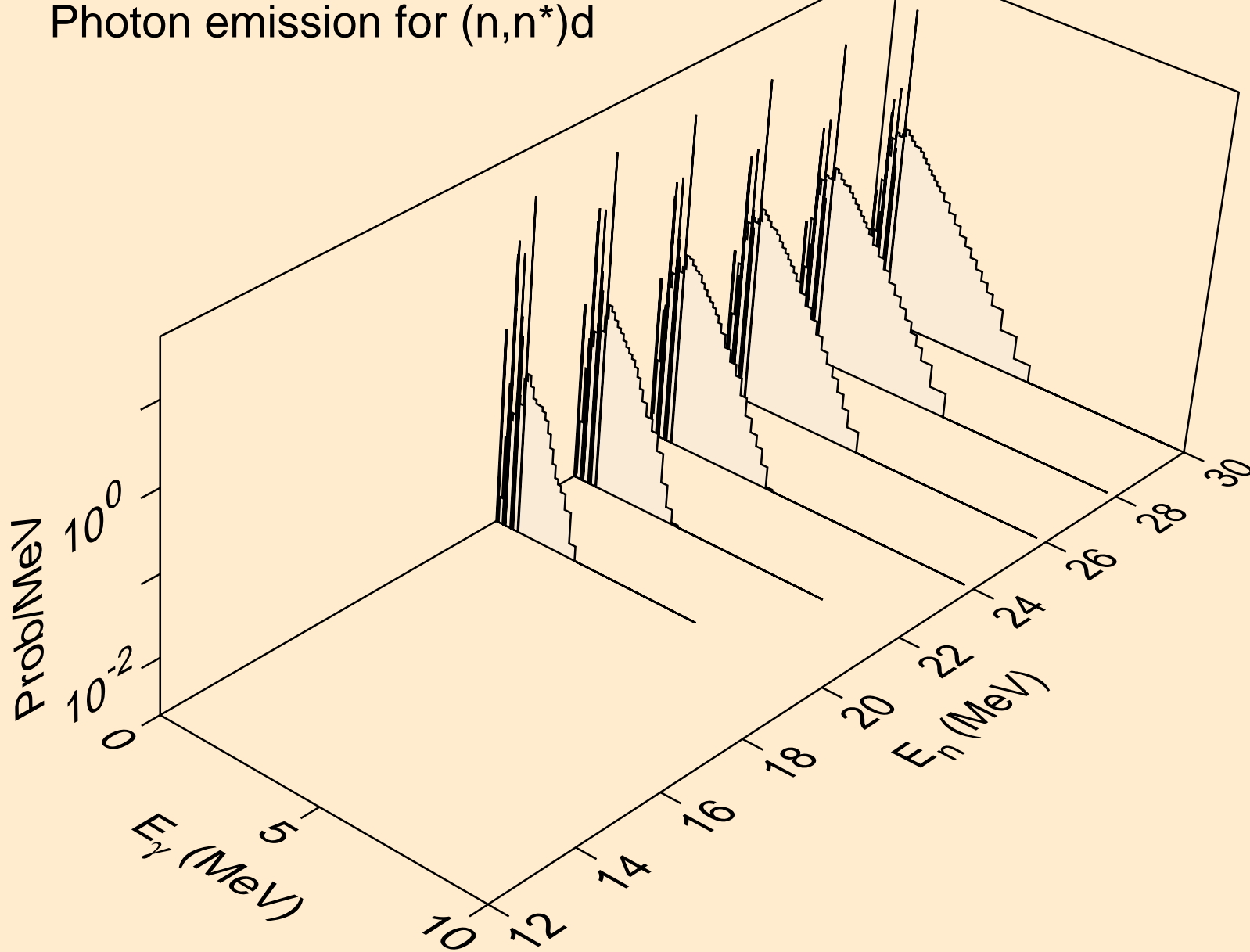
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)p



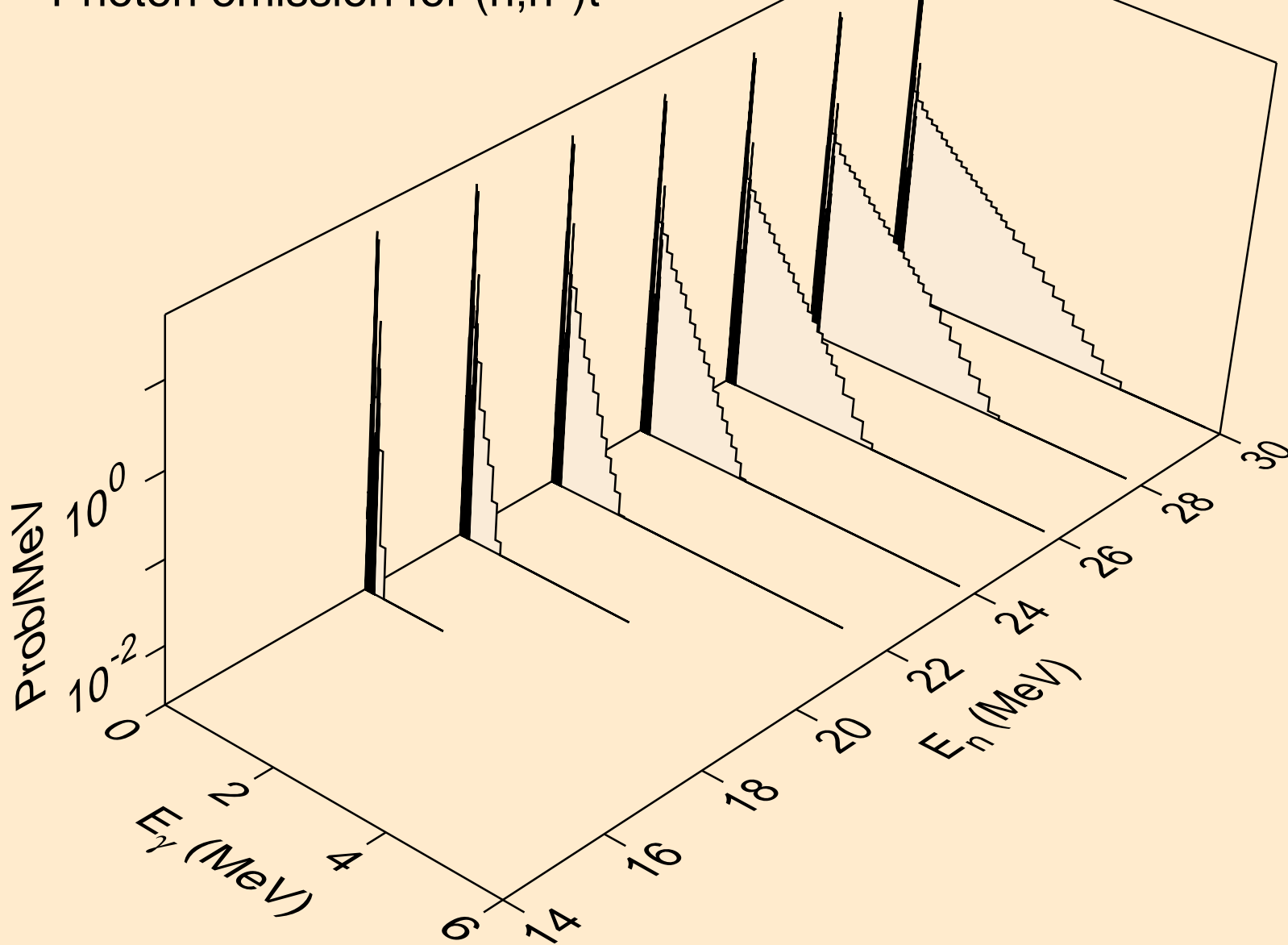
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Photon emission for (n,n\*)2a



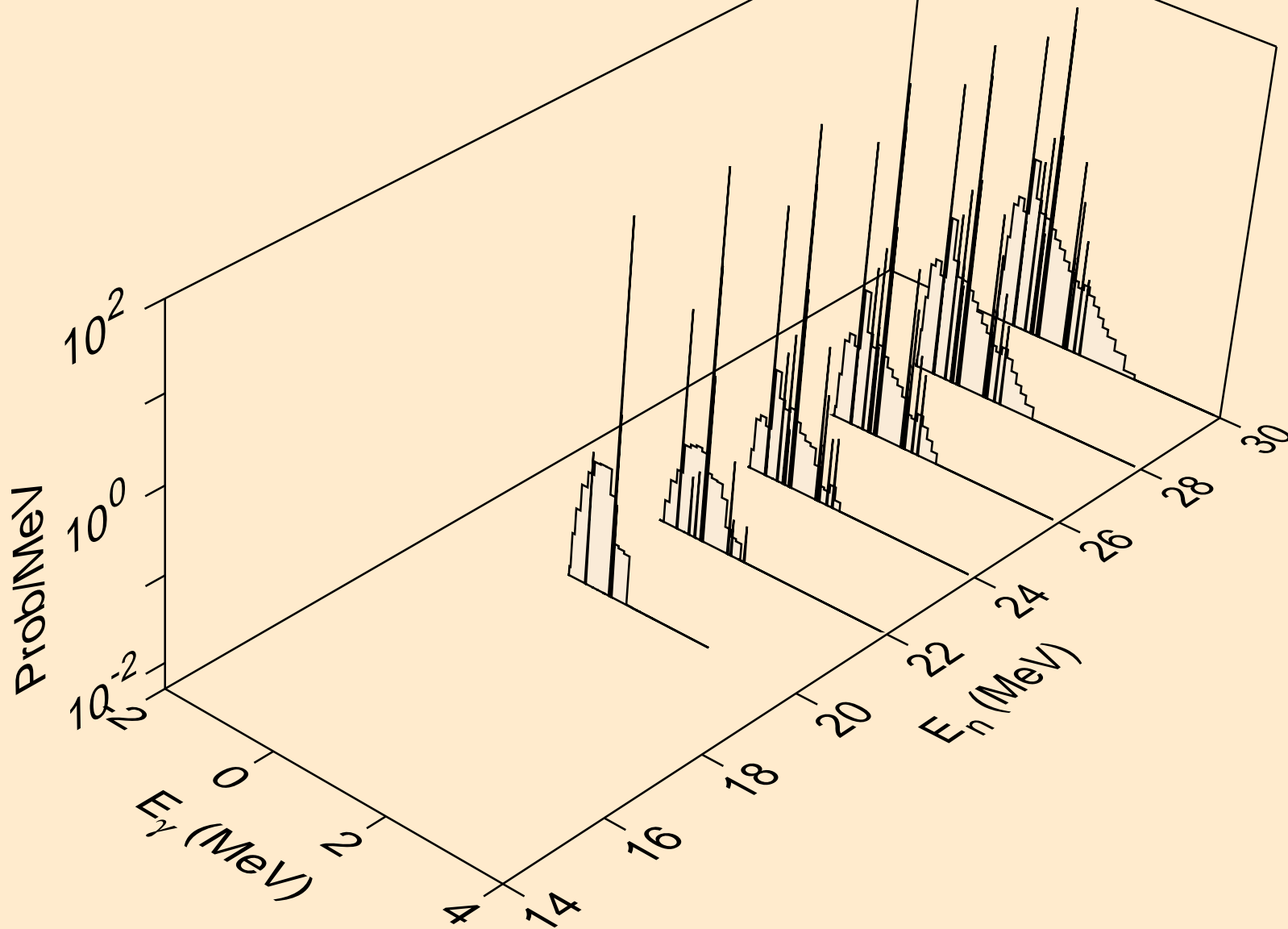
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)d



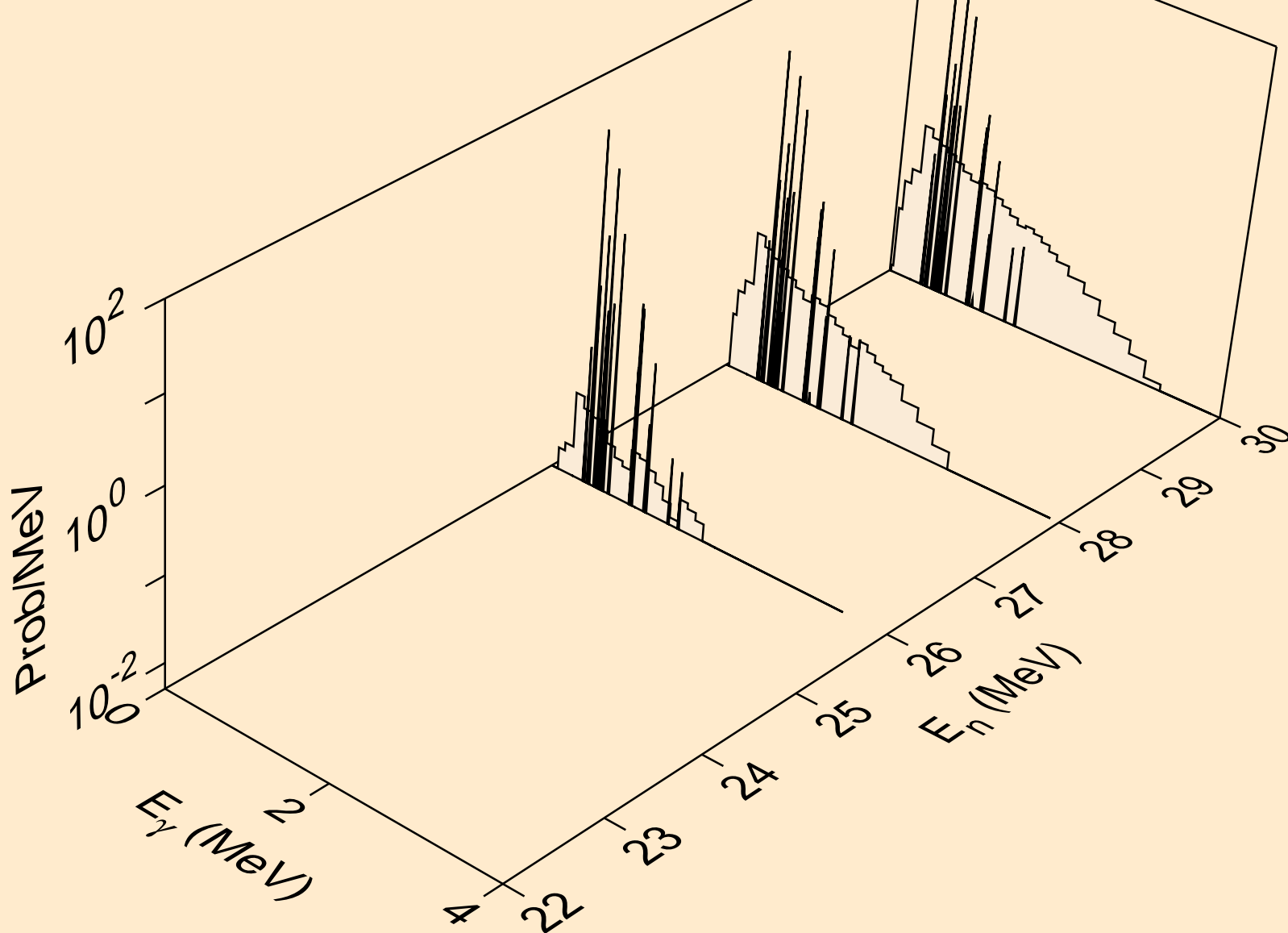
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)t



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)he3

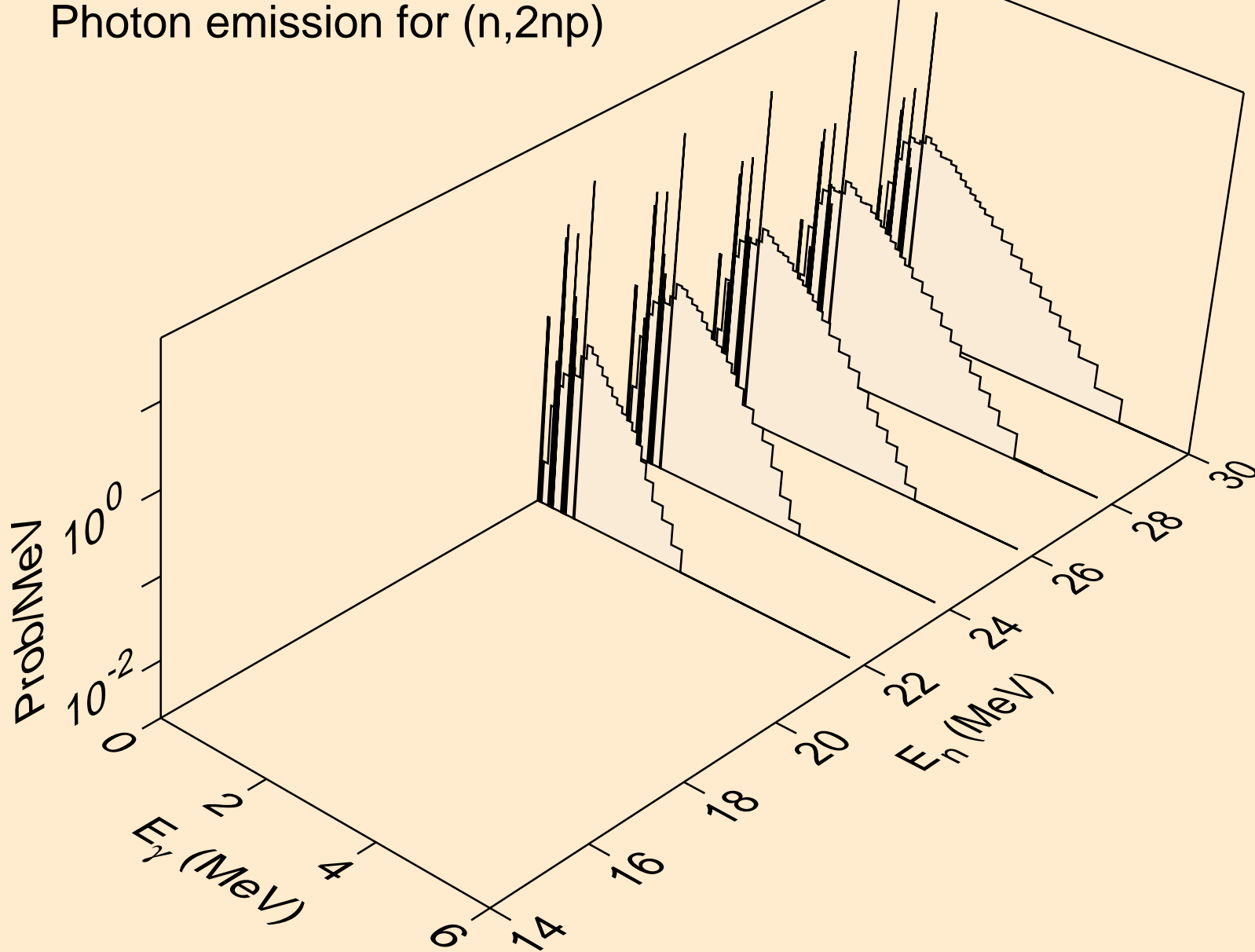


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,4n)

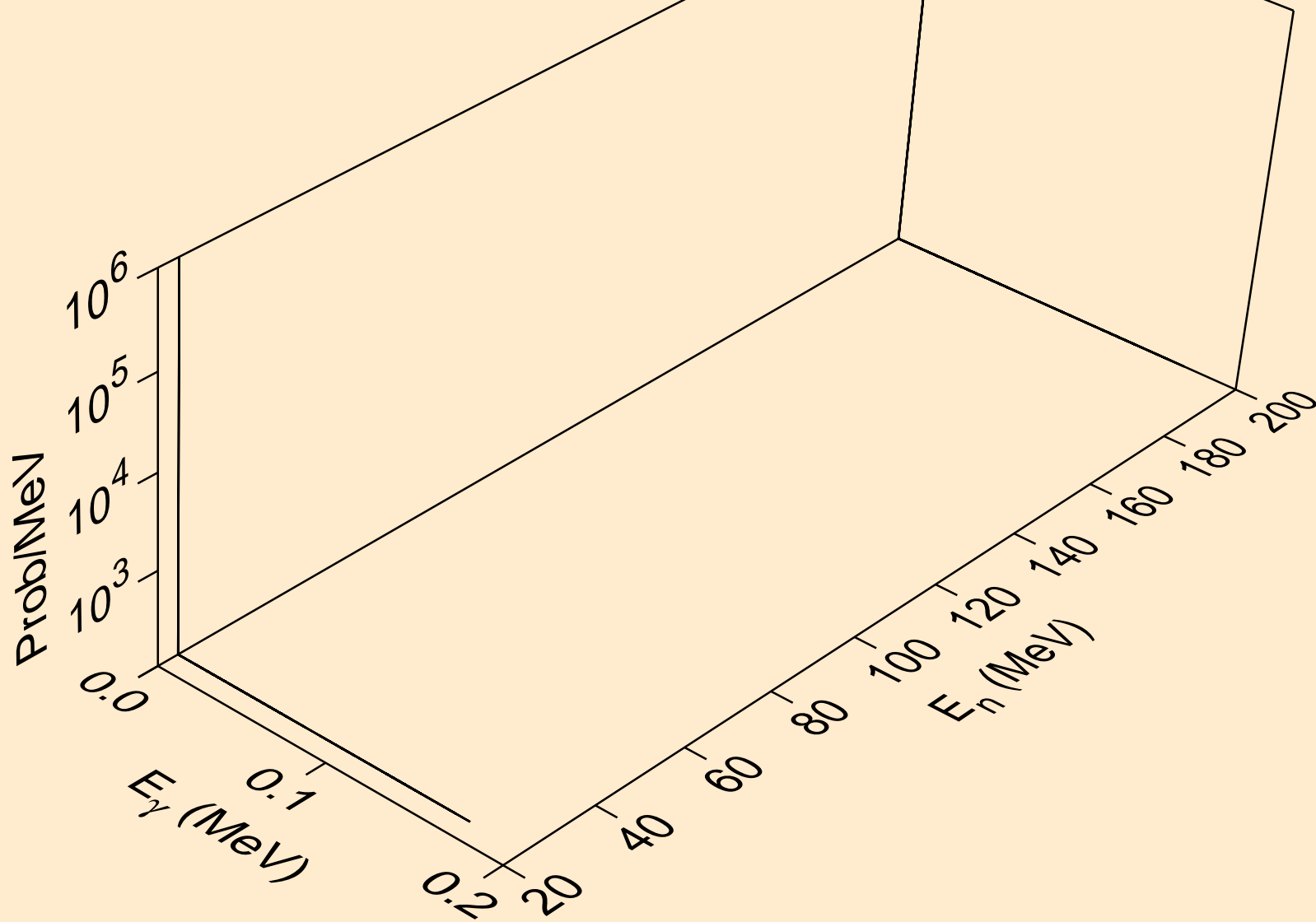




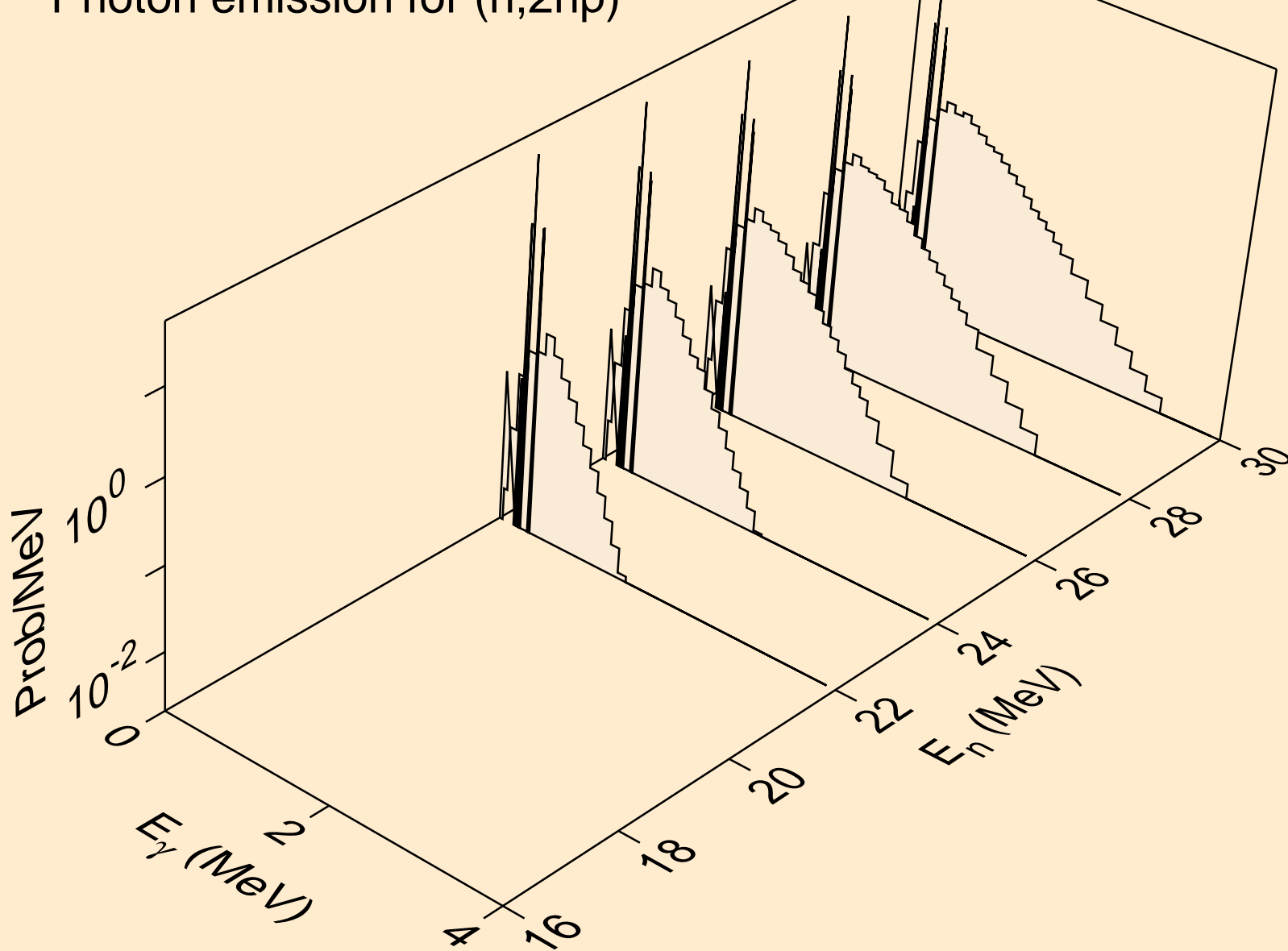
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Photon emission for (n,2np)



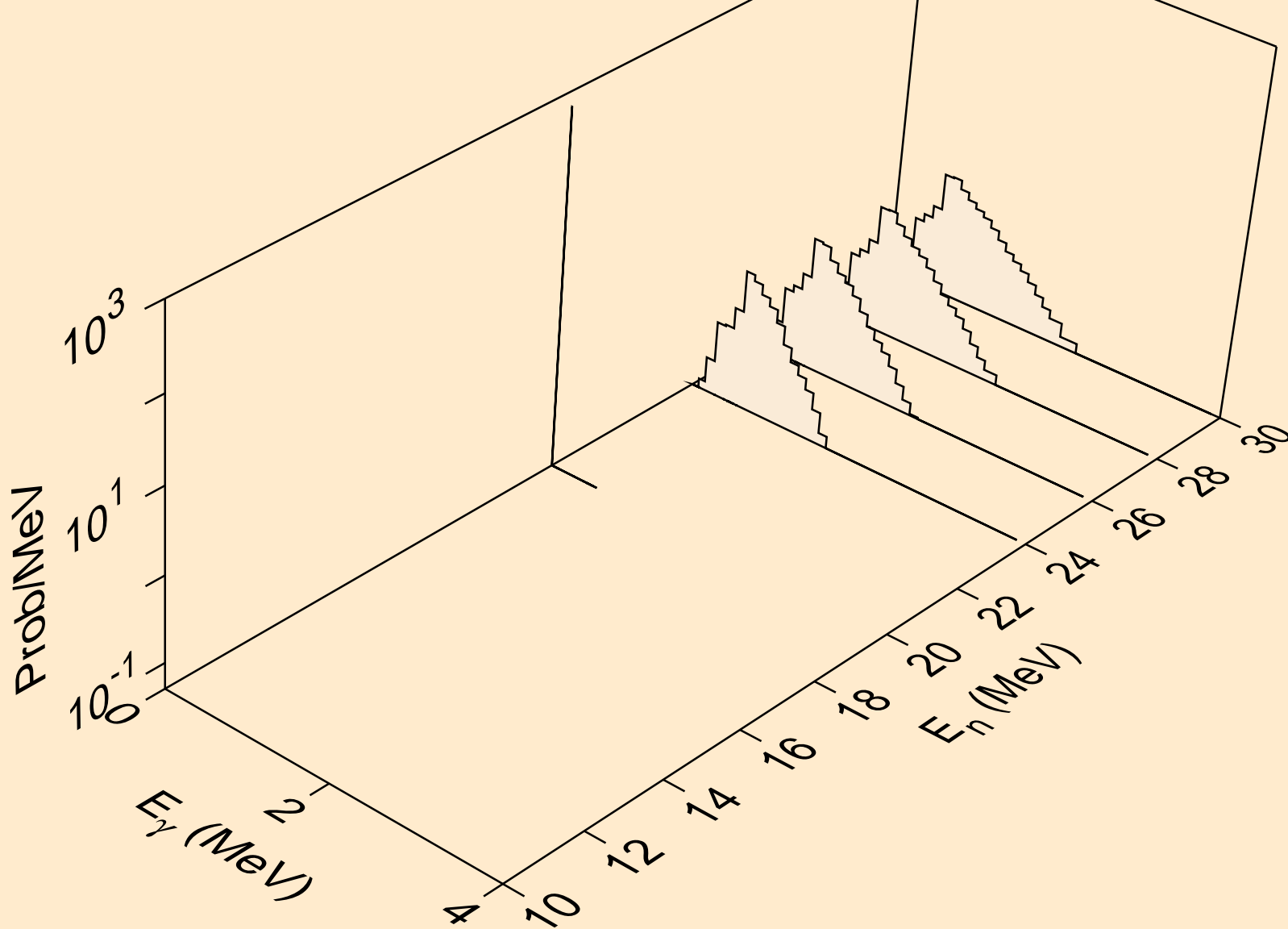
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Photon emission for (n,3np)



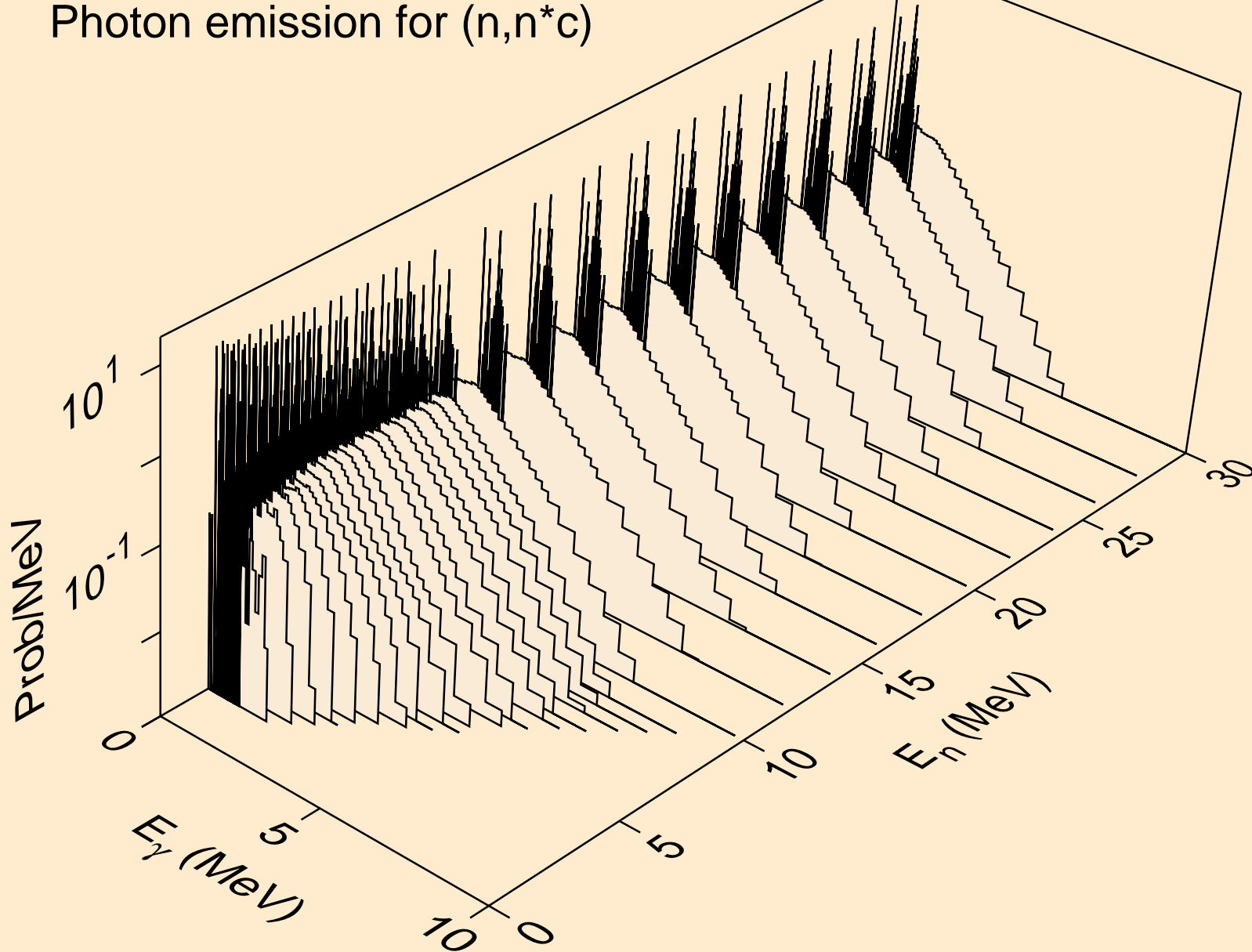
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Photon emission for (n,2np)



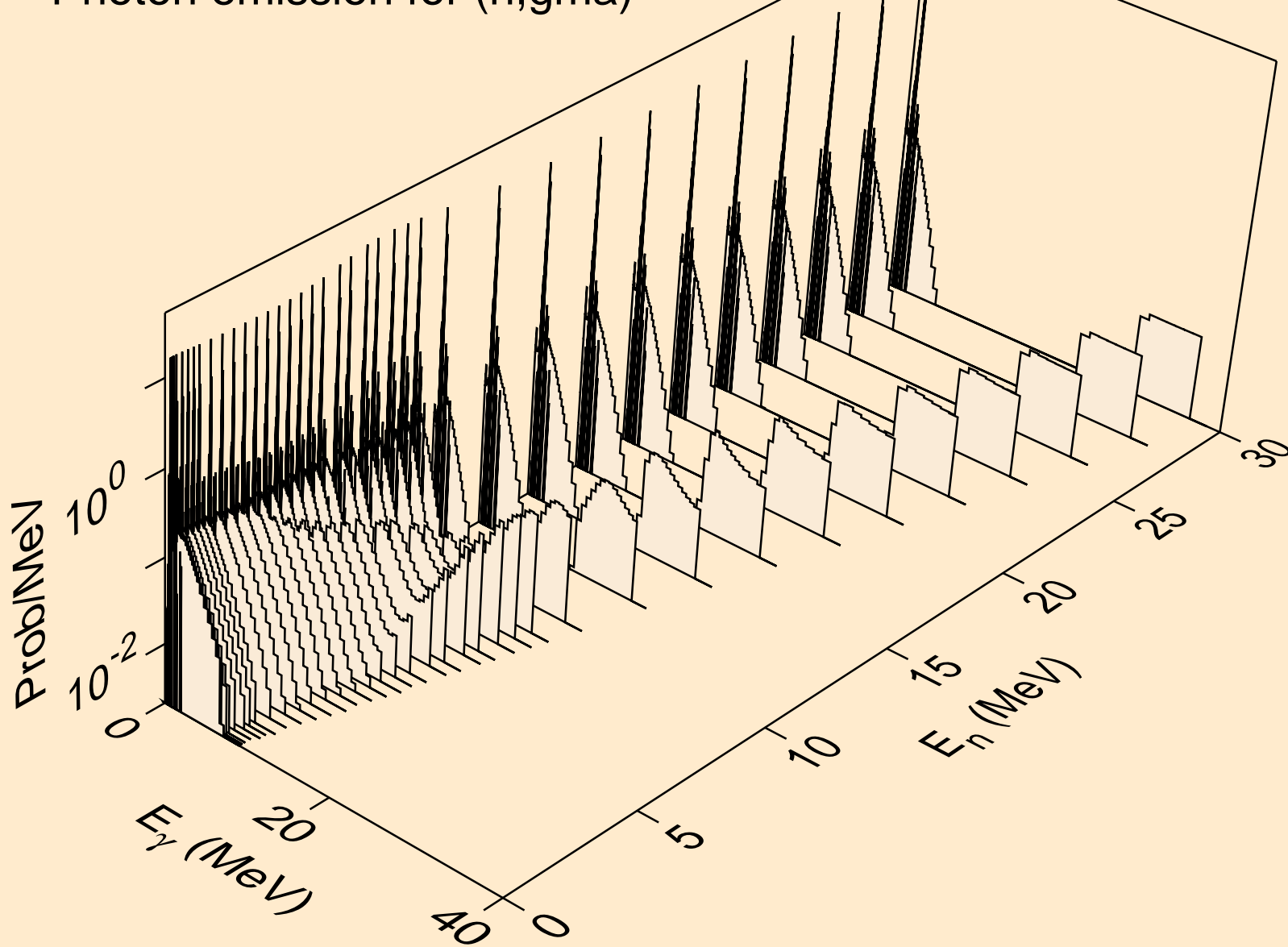
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Photon emission for (n,npa)



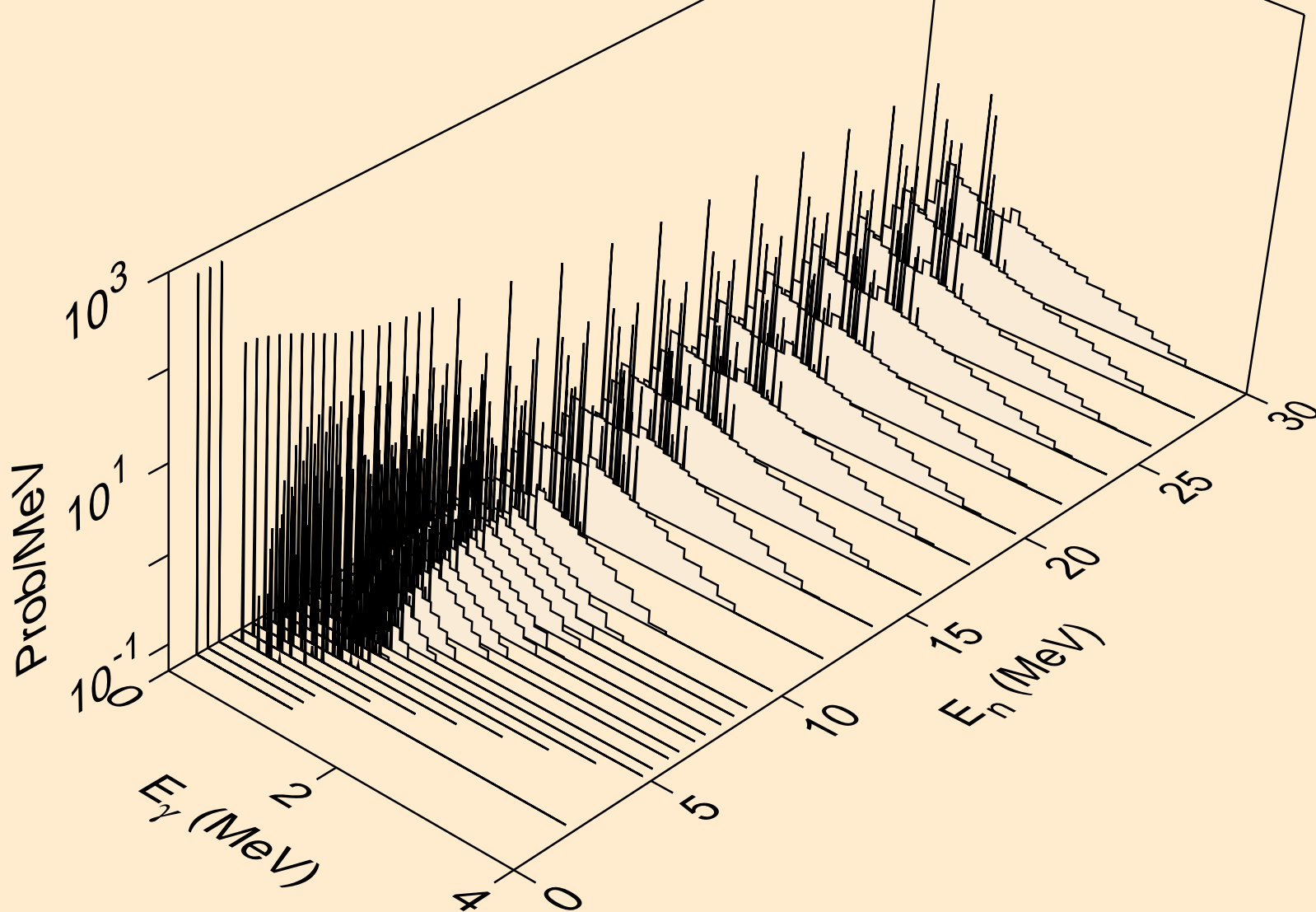
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*c)



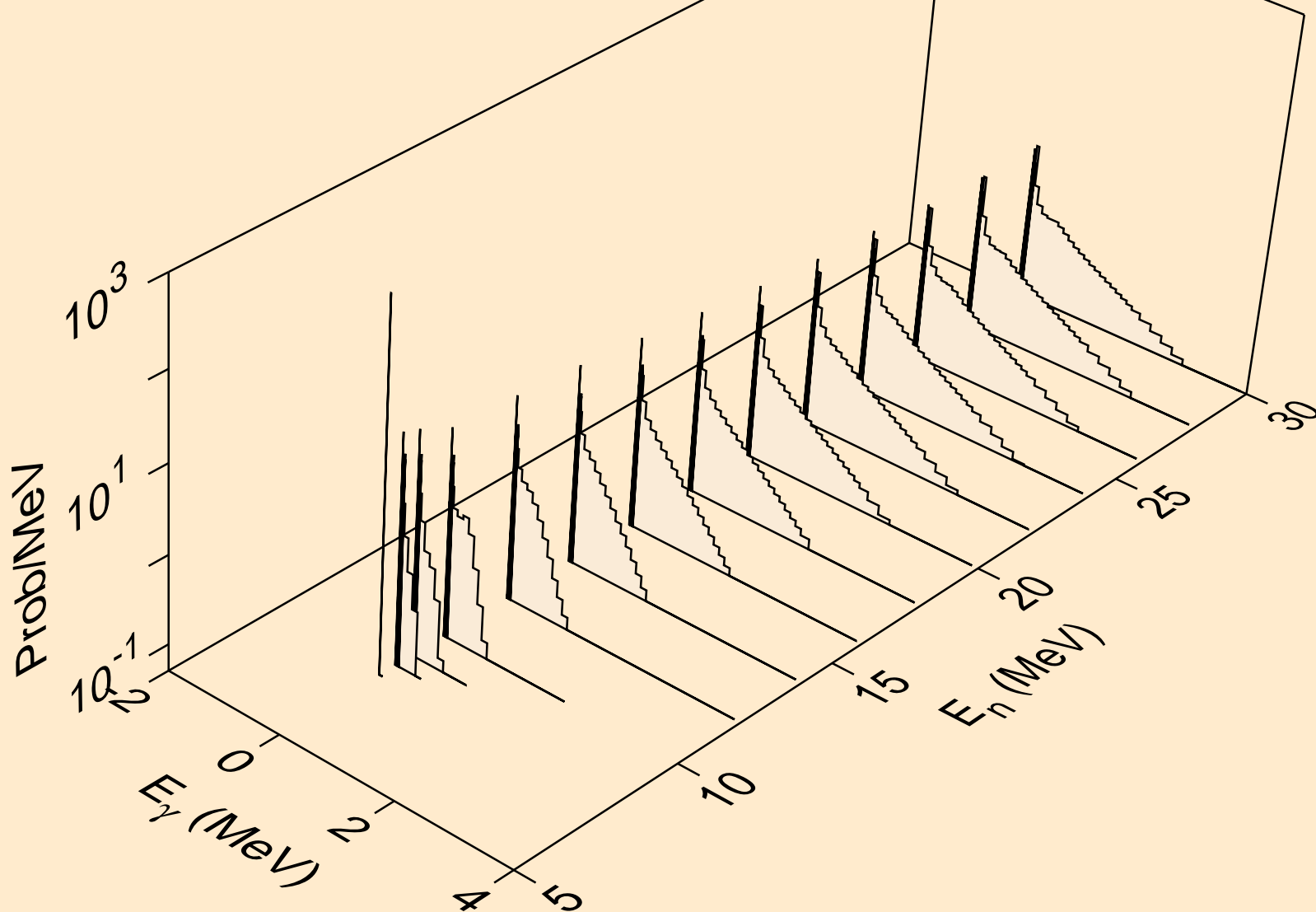
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Photon emission for (n,gma)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,p)

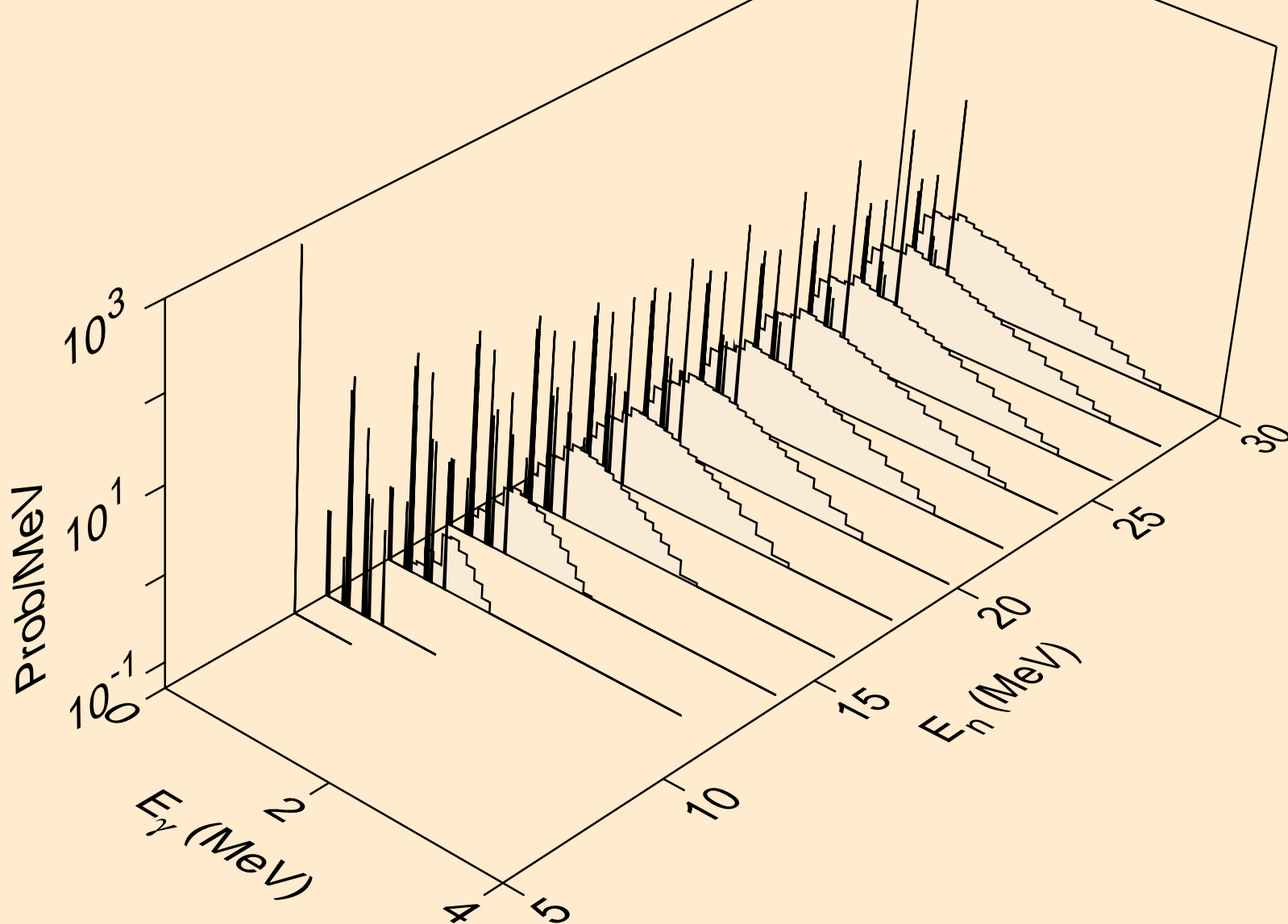


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Photon emission for (n,d)

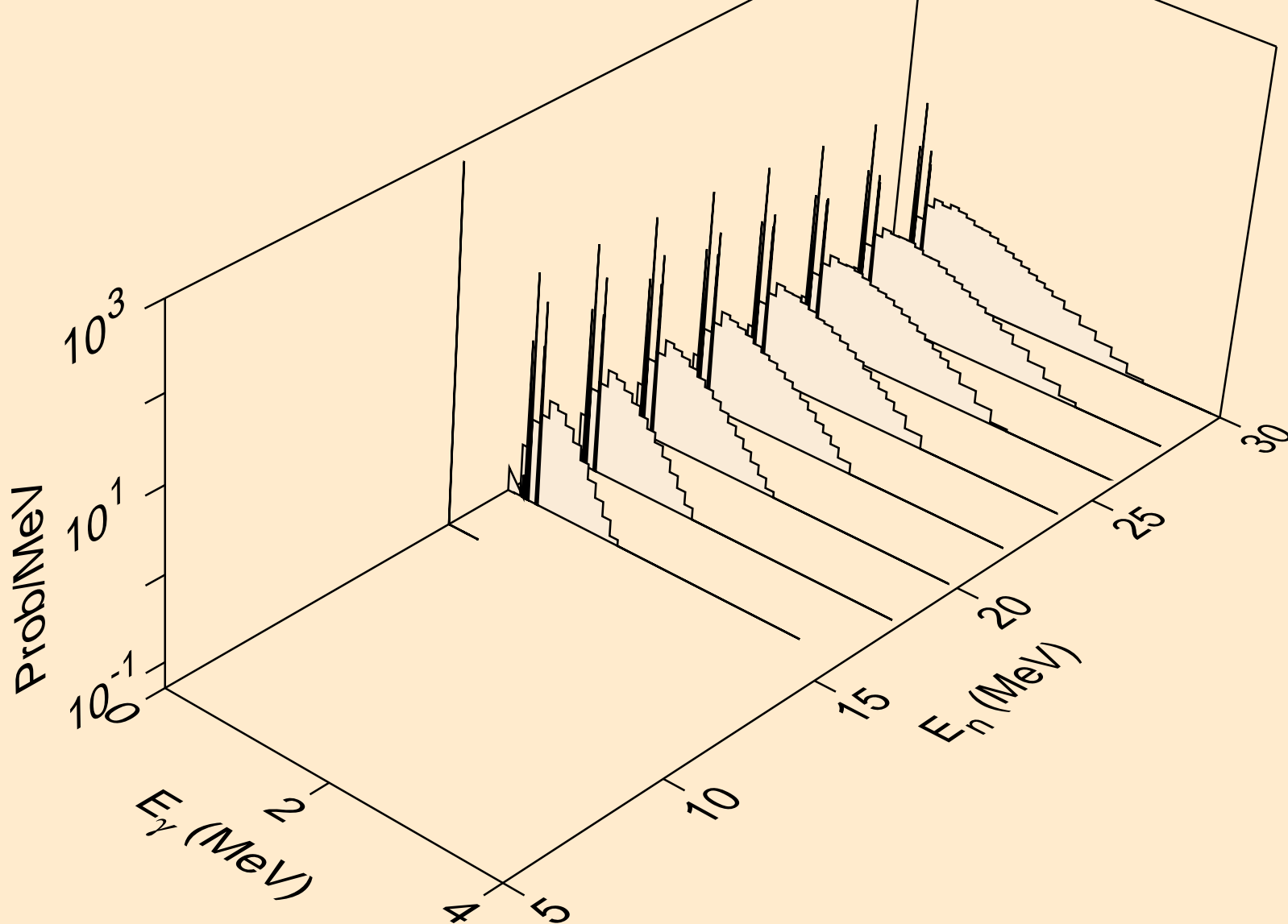




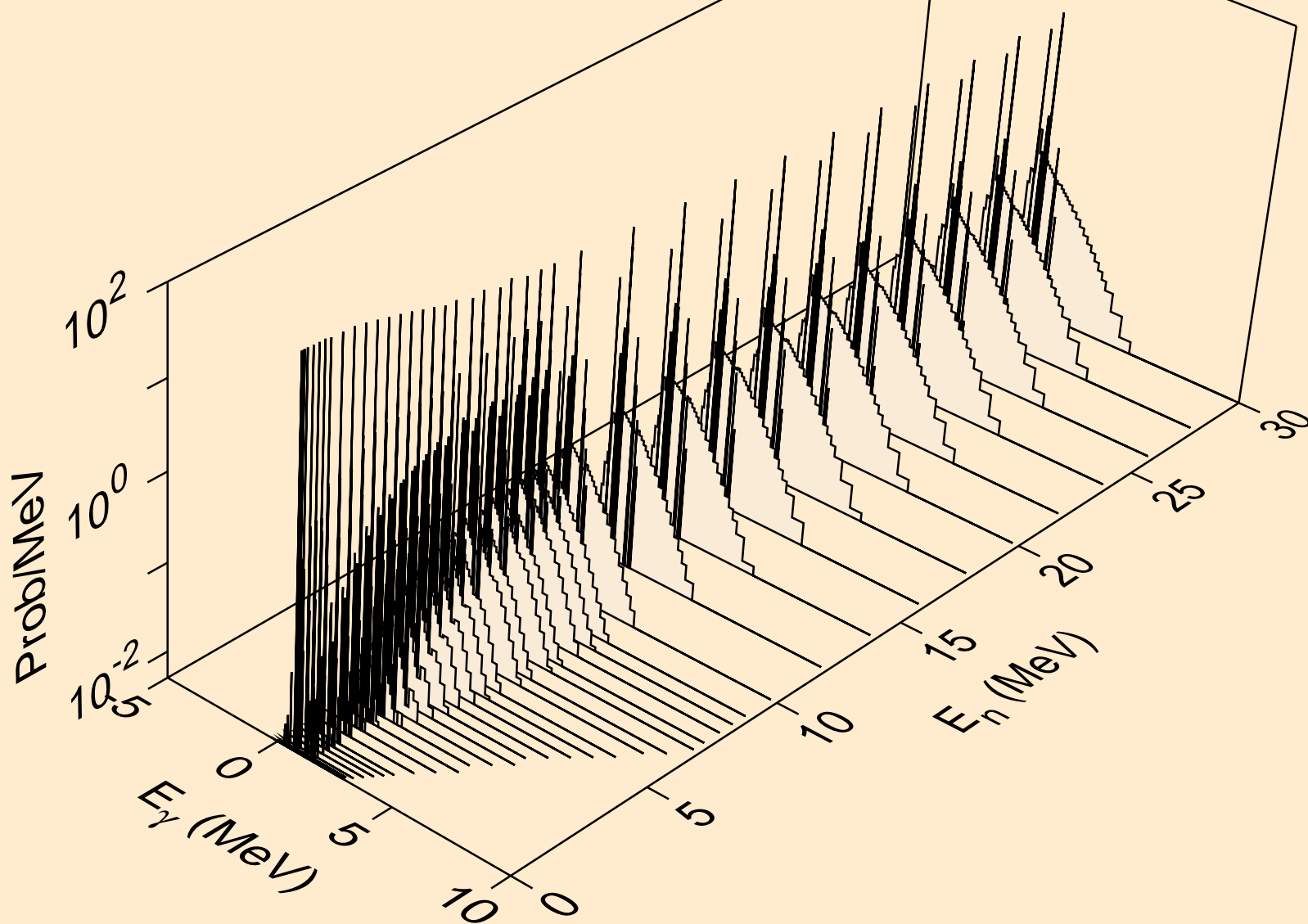
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Photon emission for (n,t)



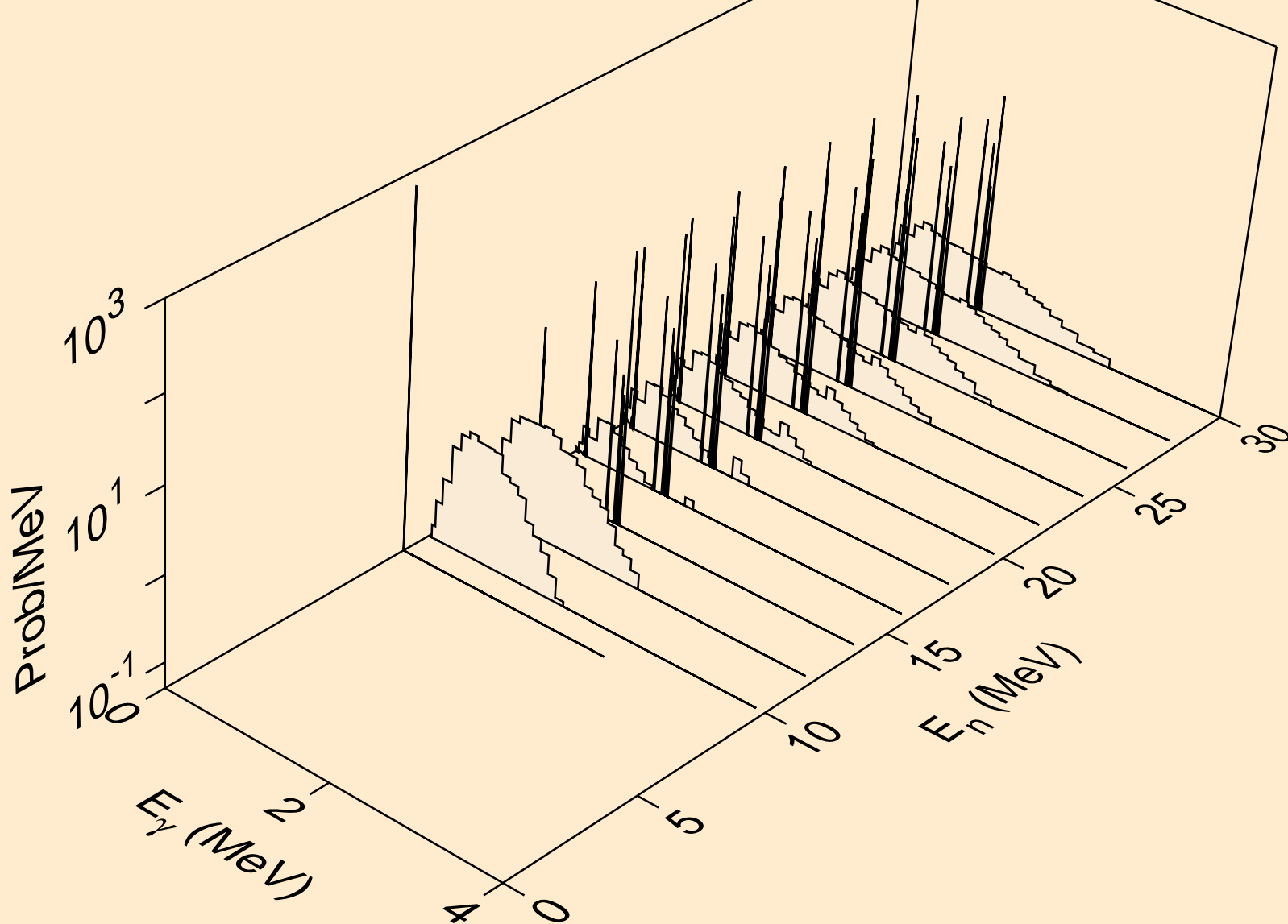
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Photon emission for (n,he3)



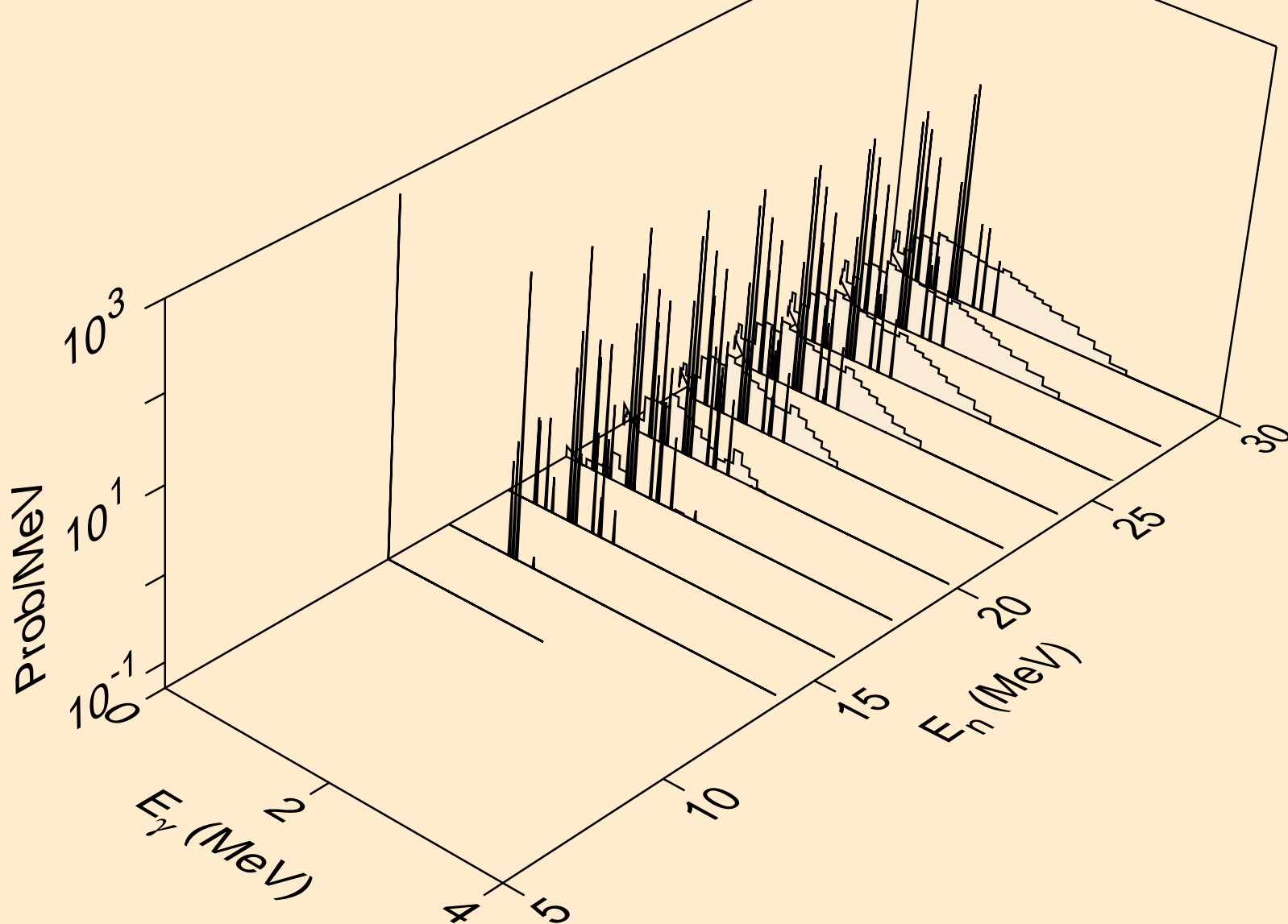
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Photon emission for (n,a)



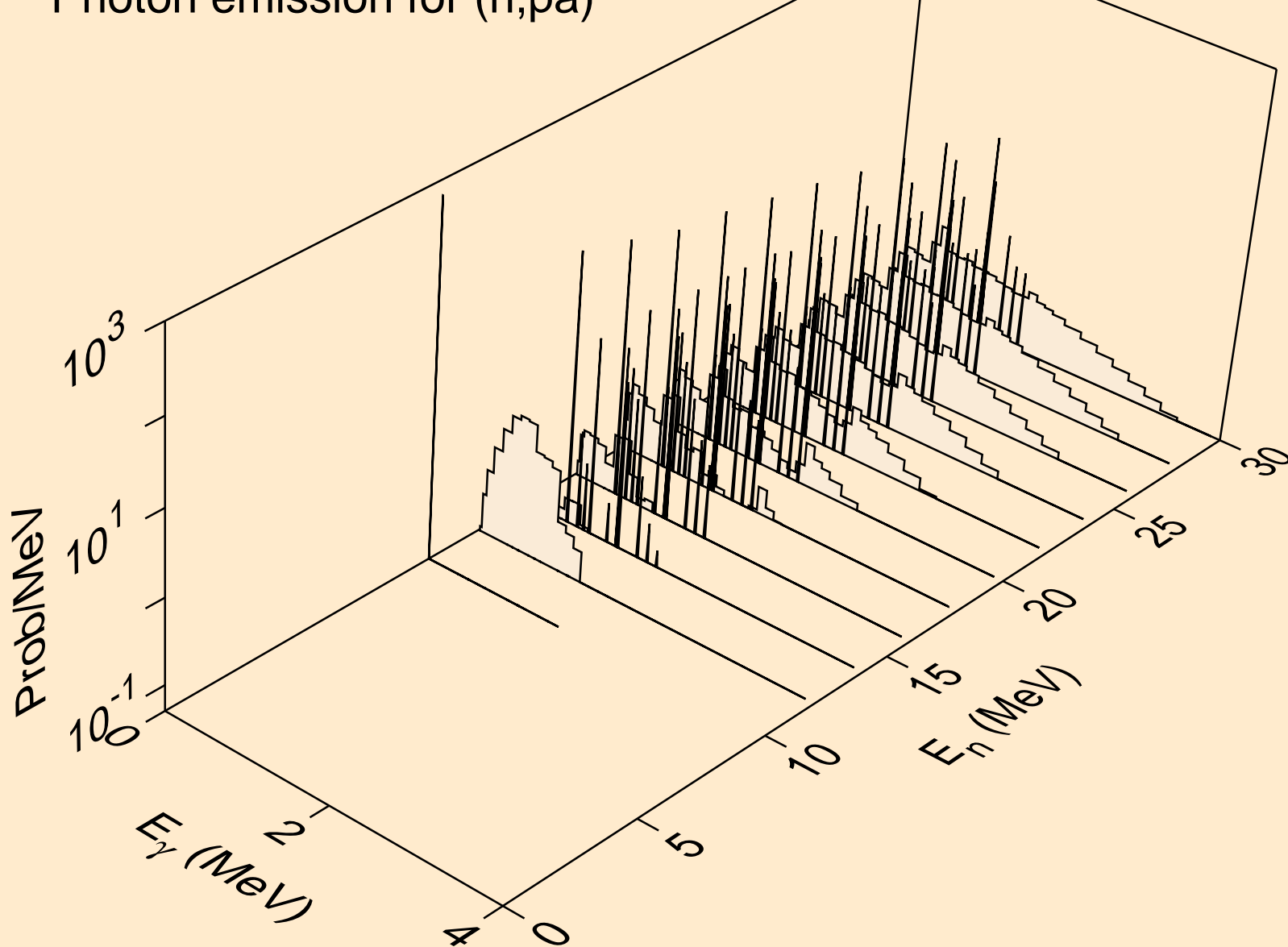
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Photon emission for (n,2a)



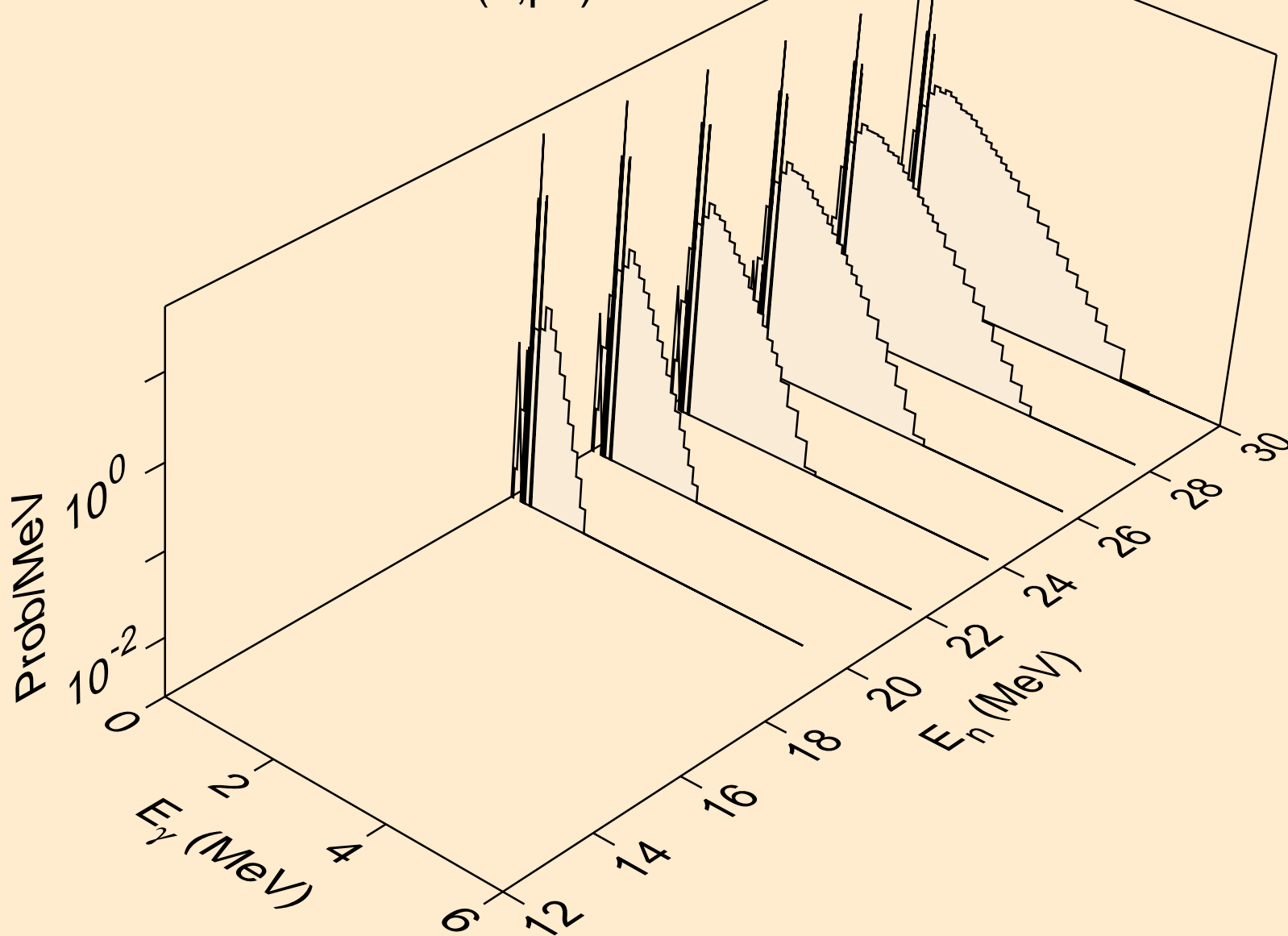
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Photon emission for (n,2p)



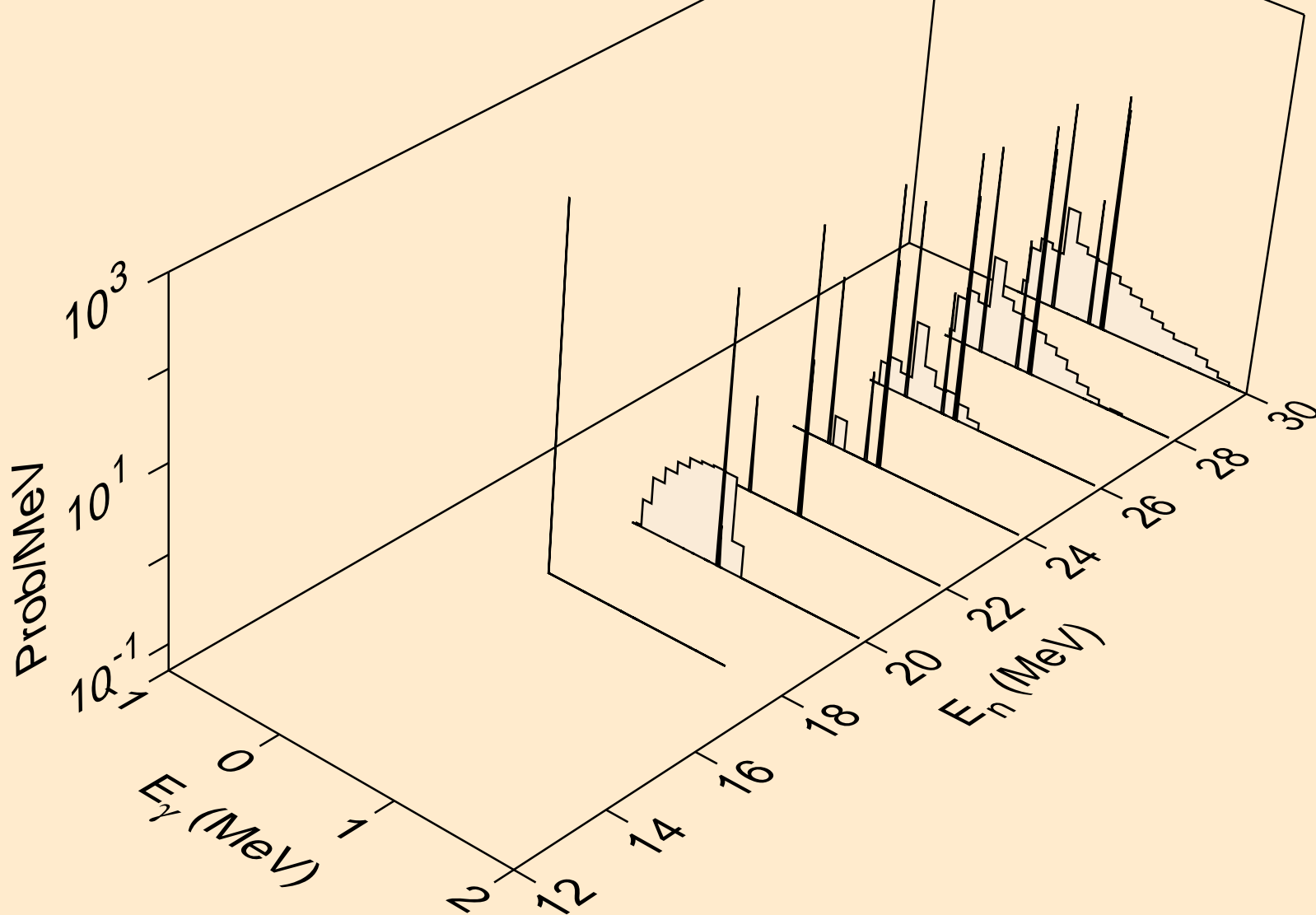
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Photon emission for (n,pa)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,pd)

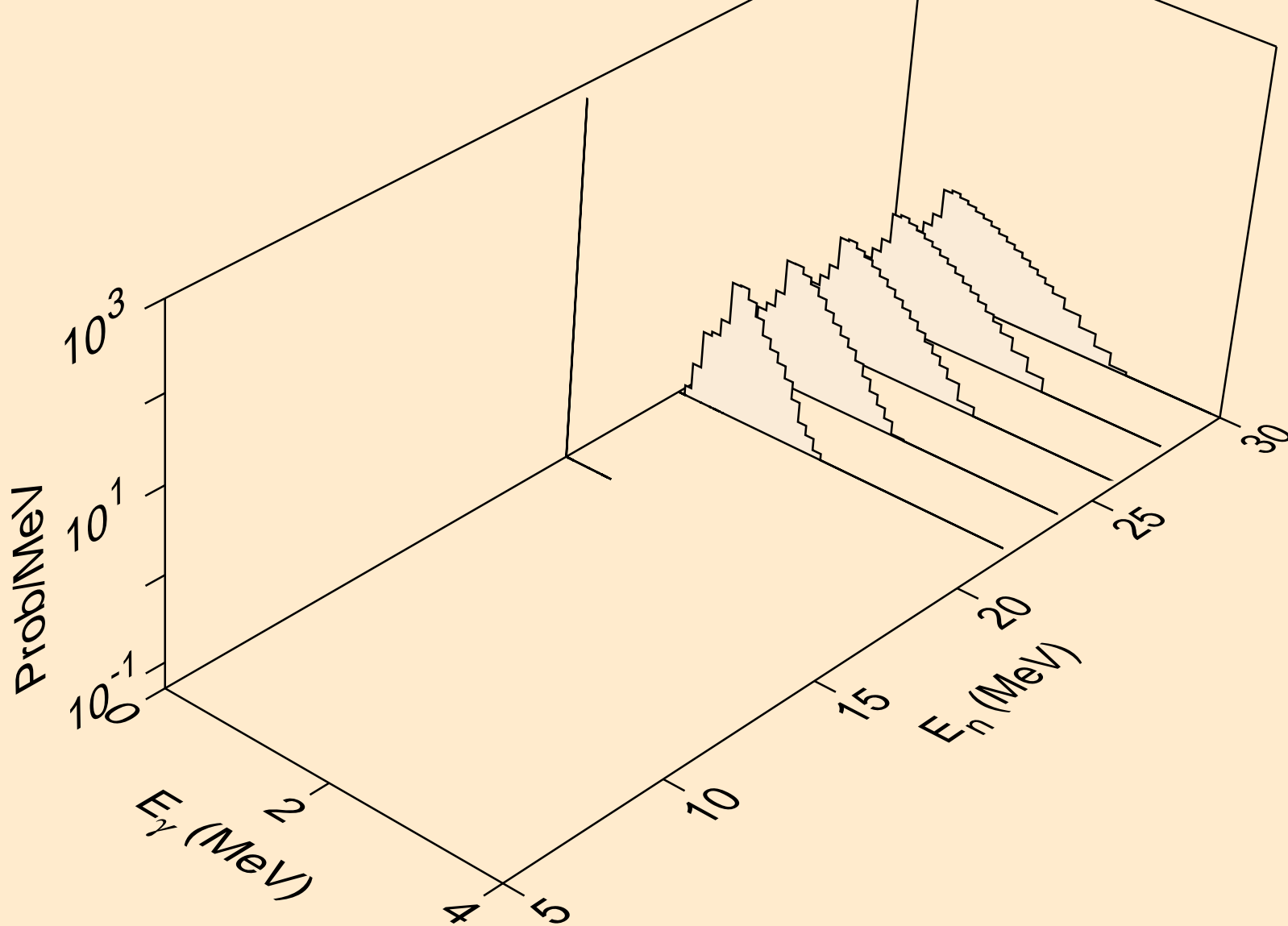


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Photon emission for (n,pt)

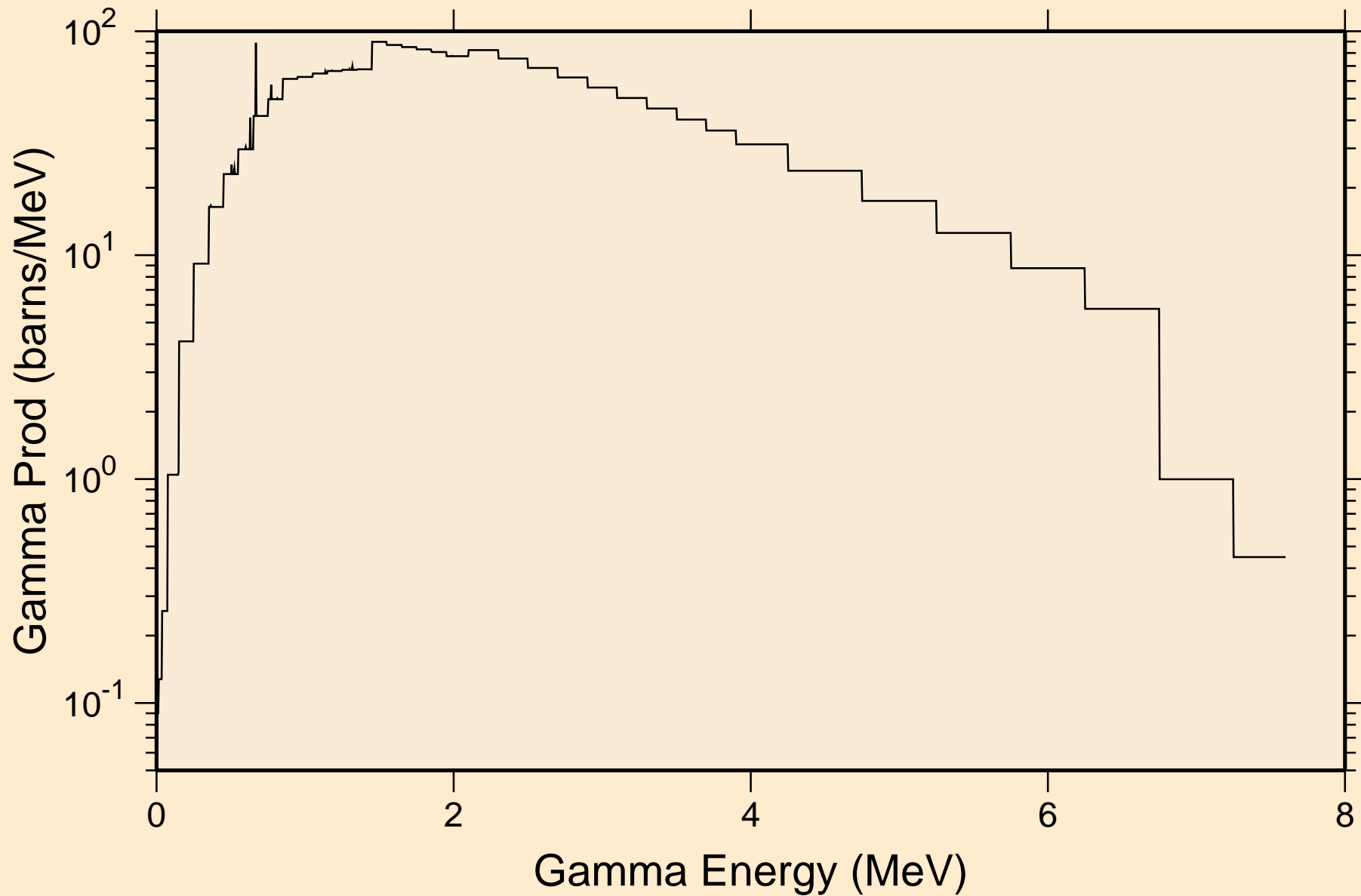




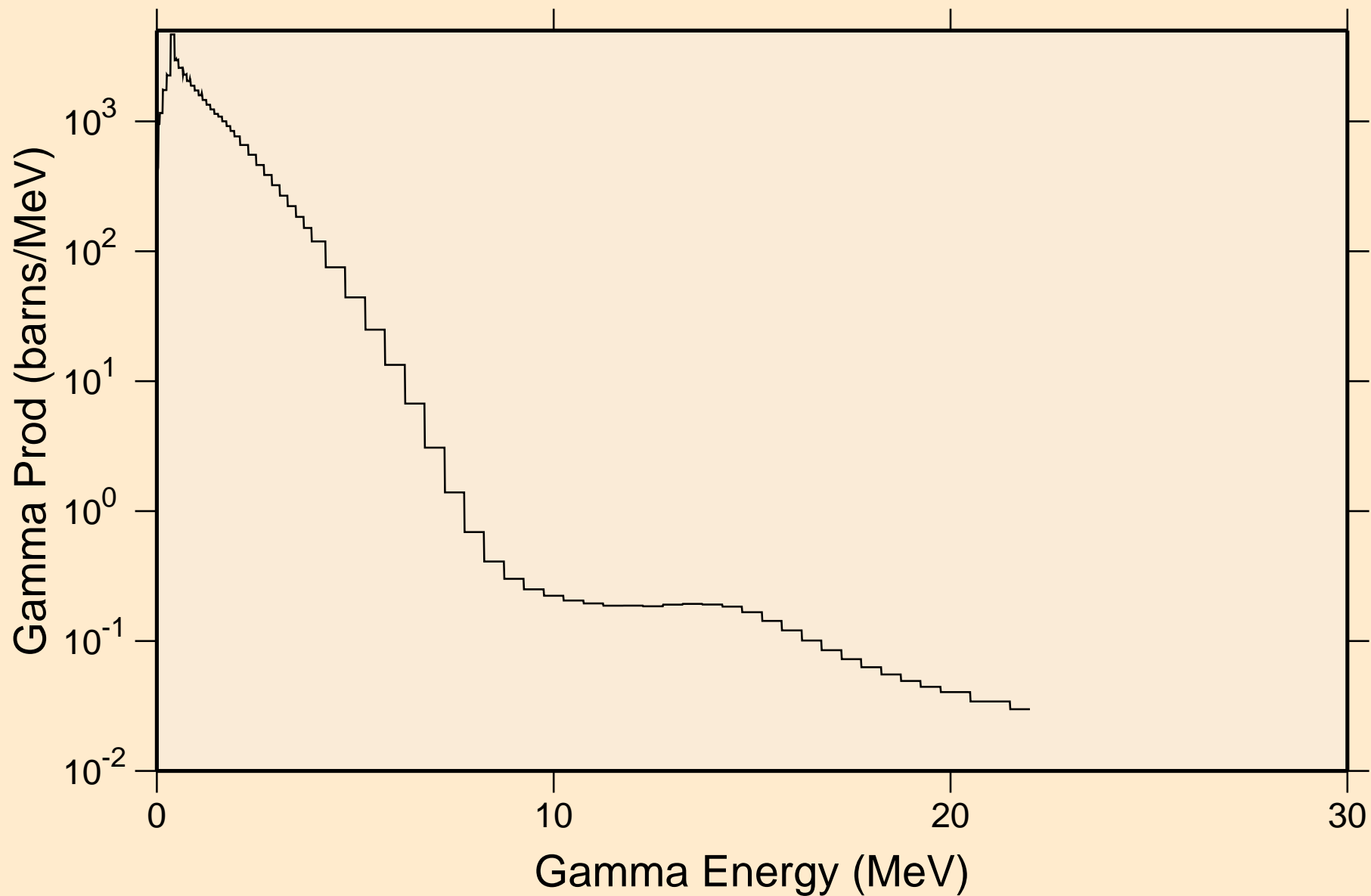
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Photon emission for (n,da)



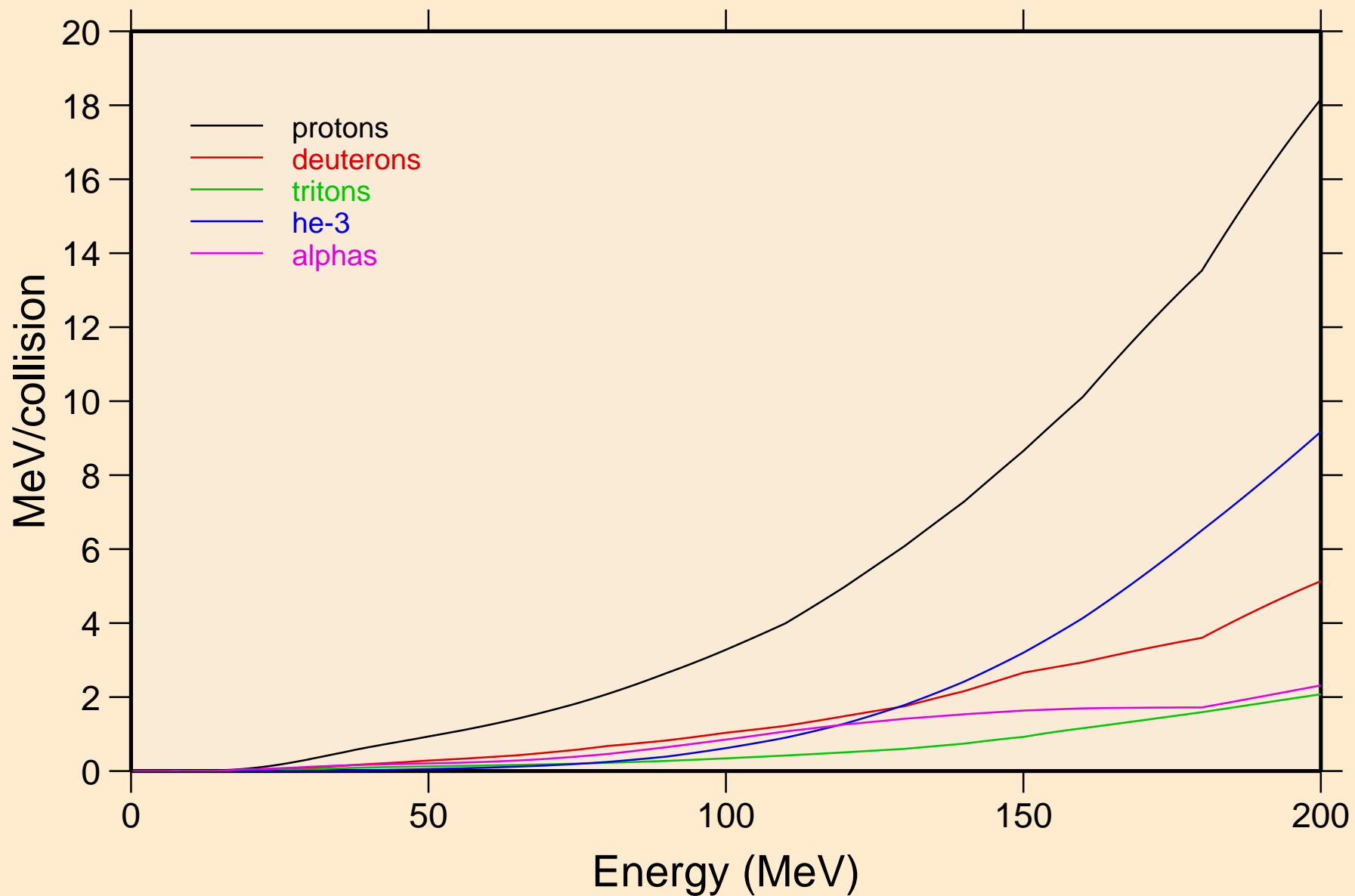
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thermal capture photon spectrum



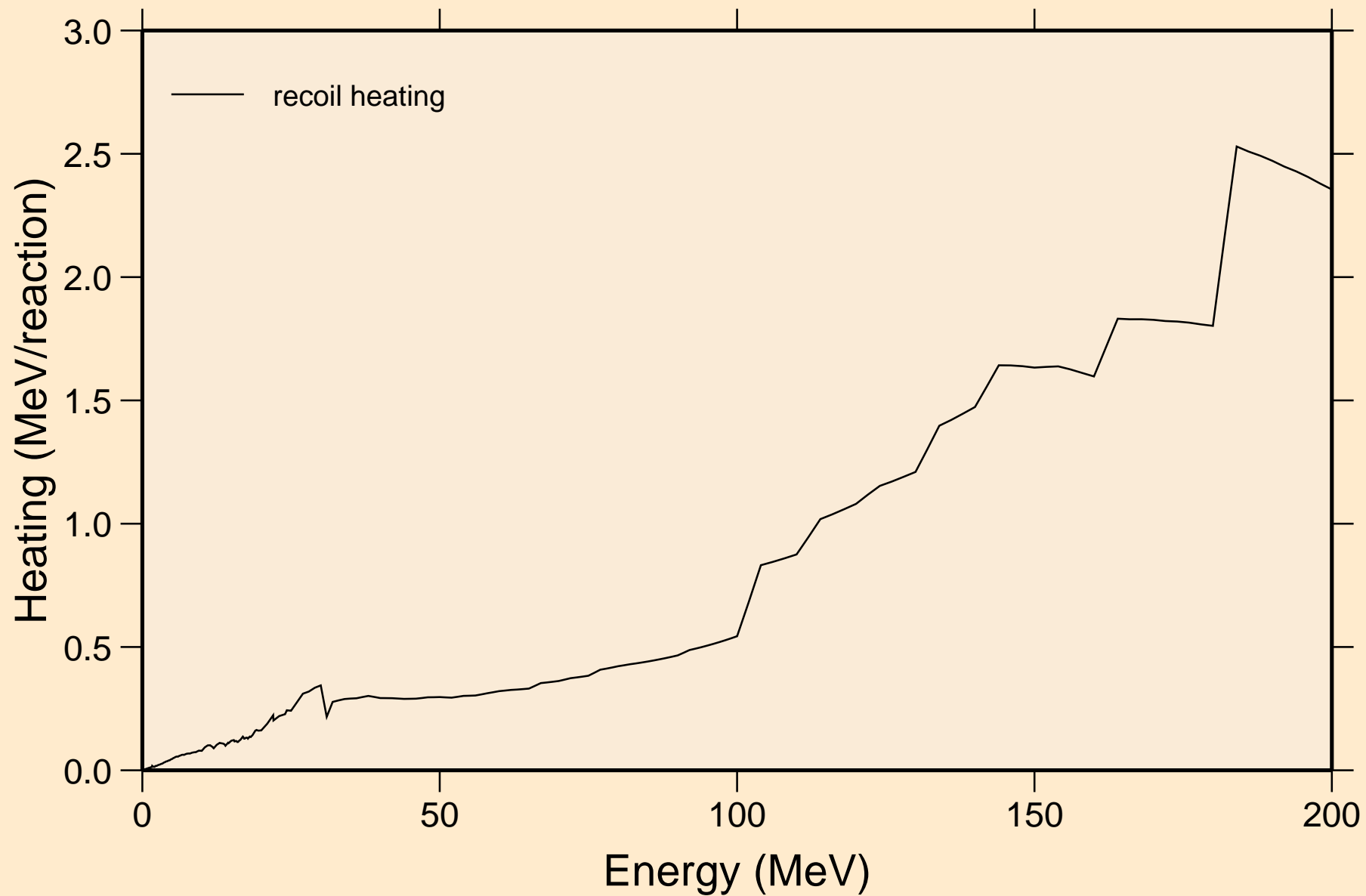
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14 MeV photon spectrum



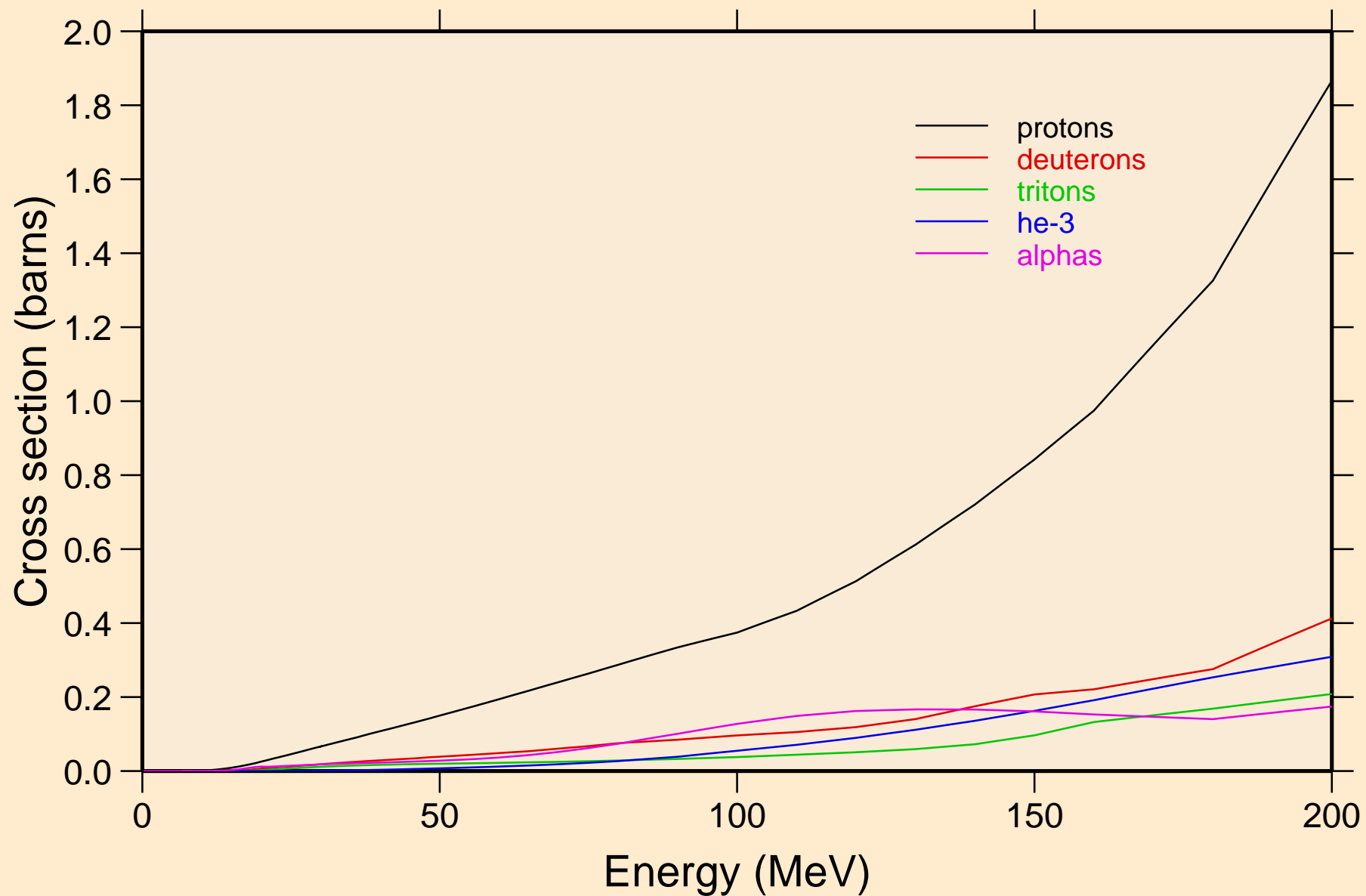
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Particle heating contributions



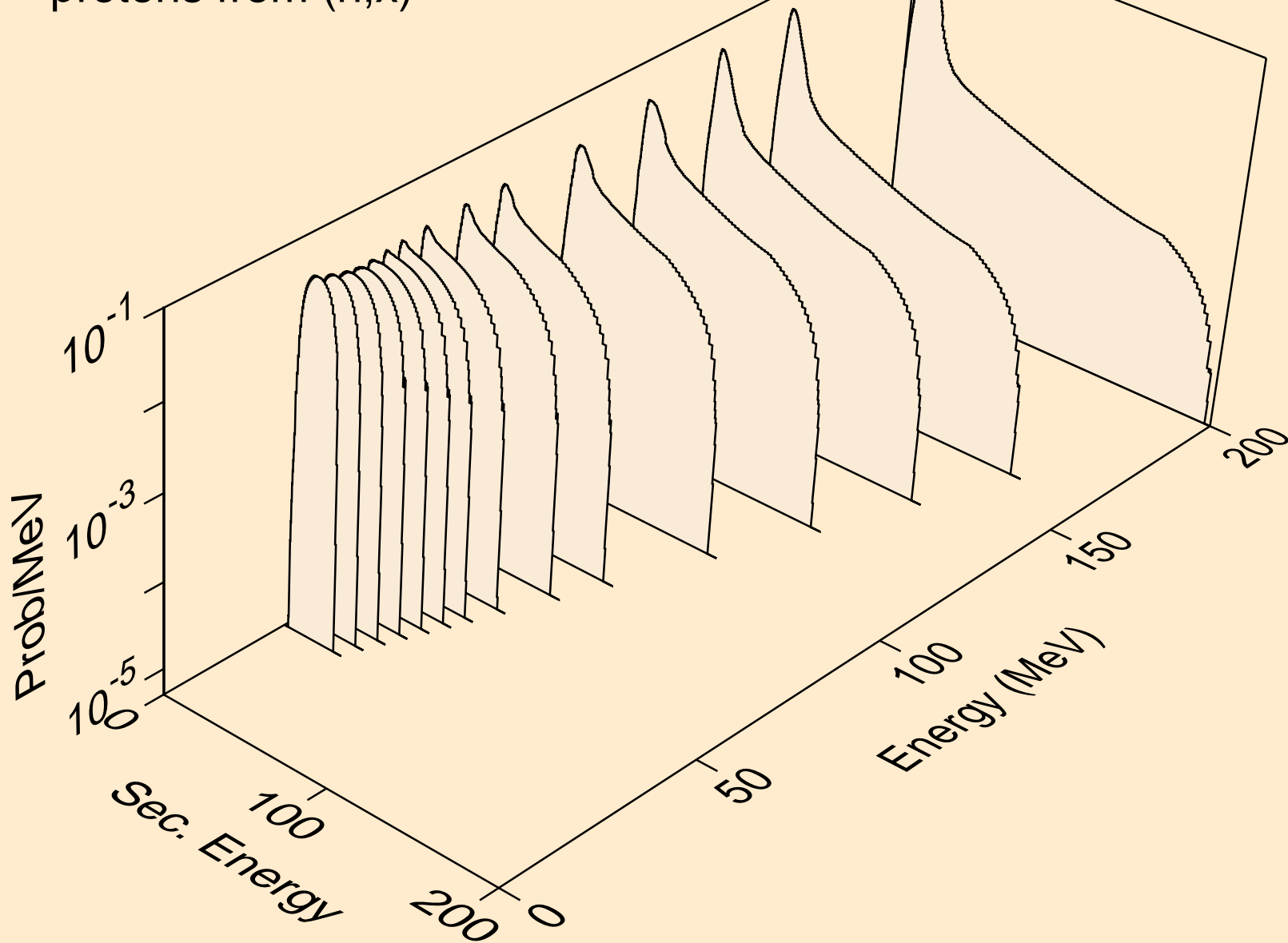
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Recoil Heating



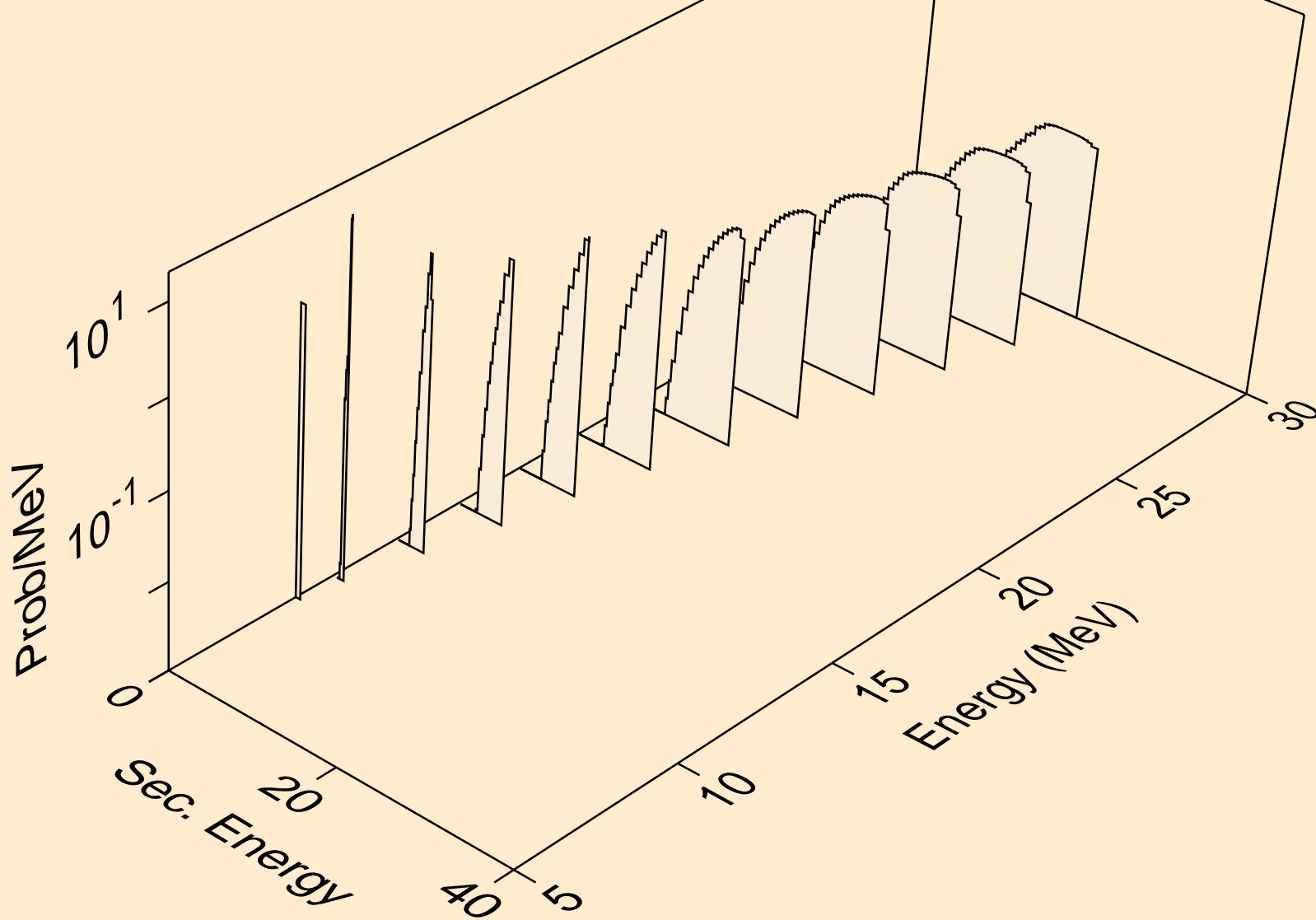
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
Particle production cross sections



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,x)

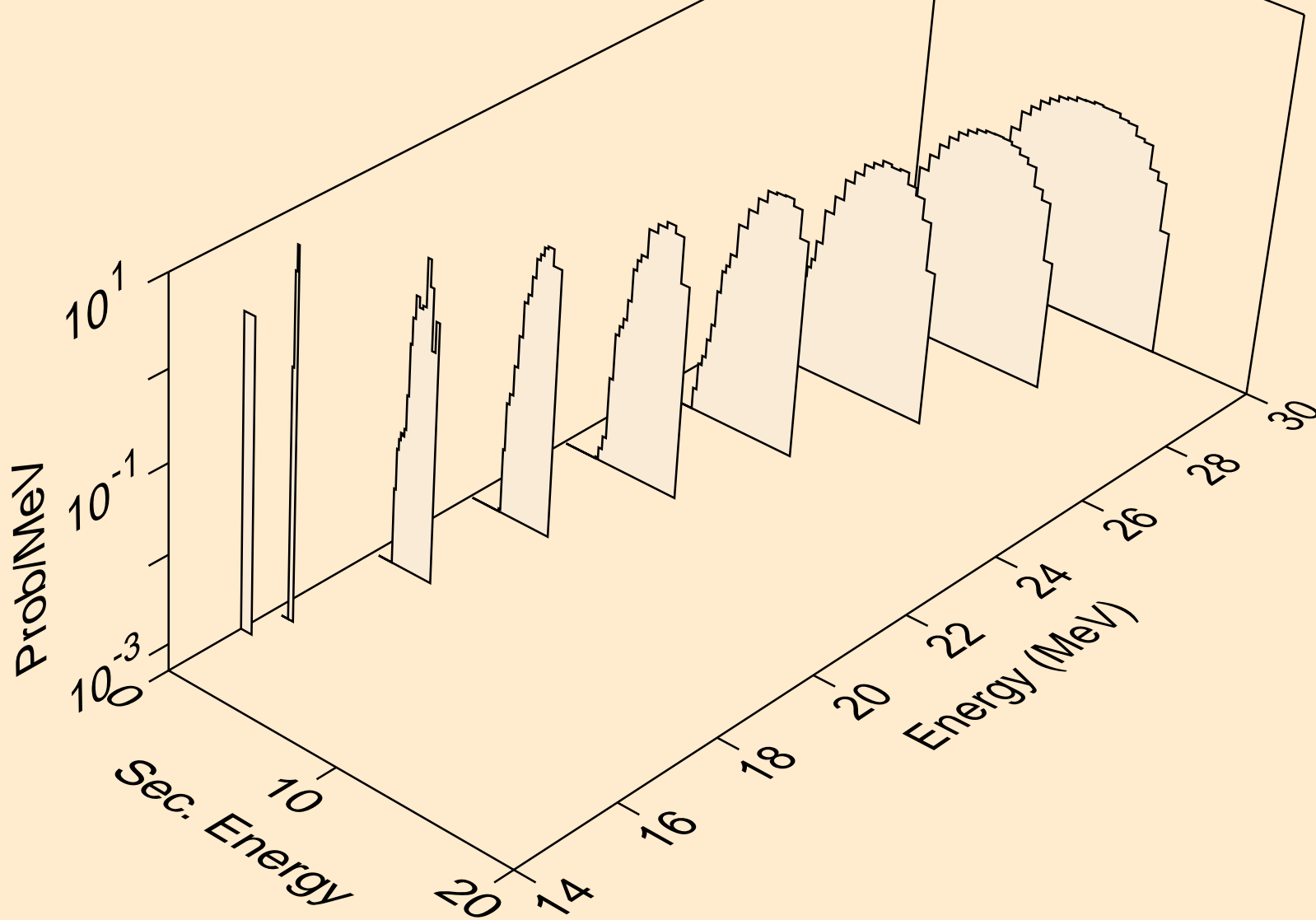


MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,n\*)p

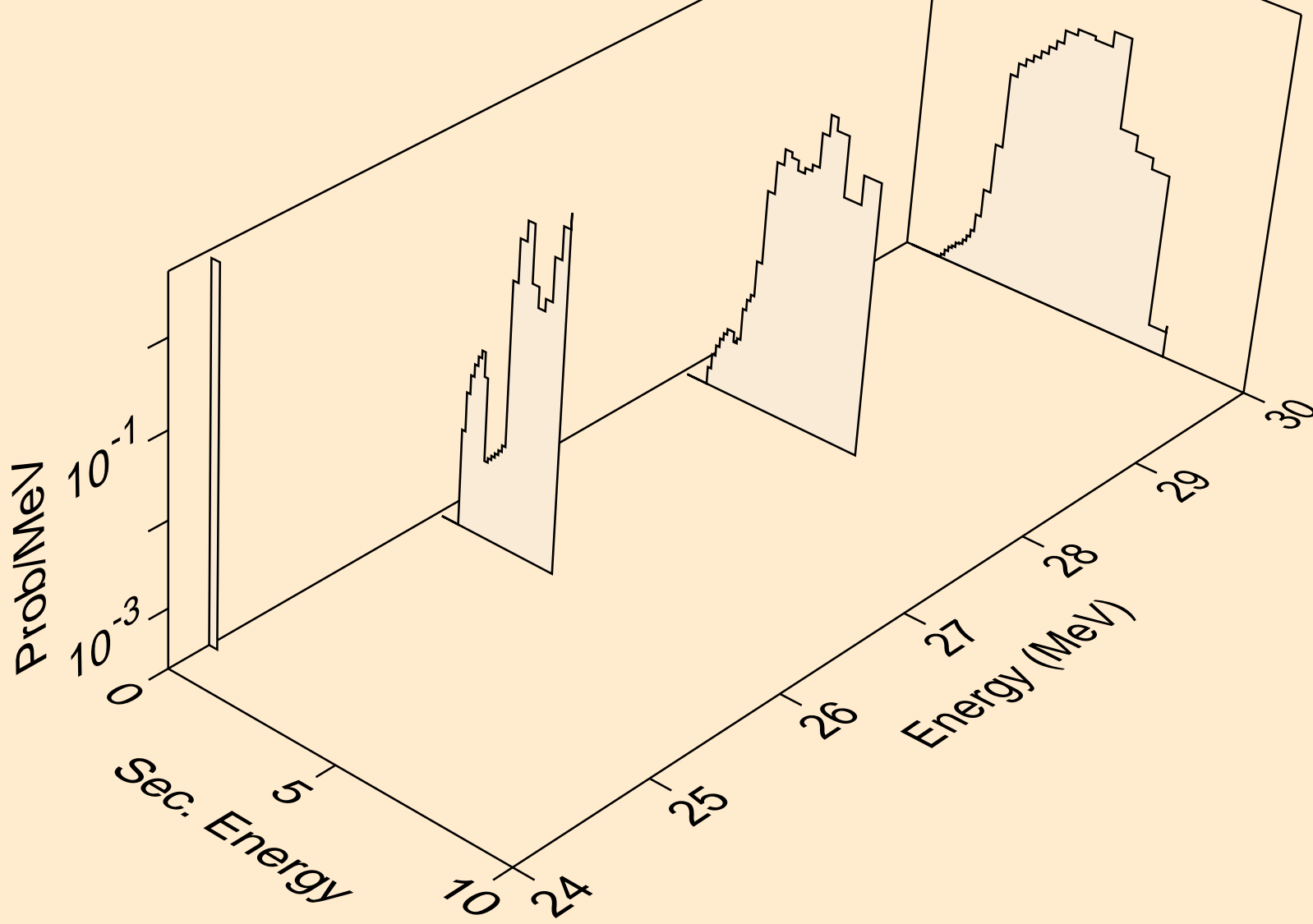




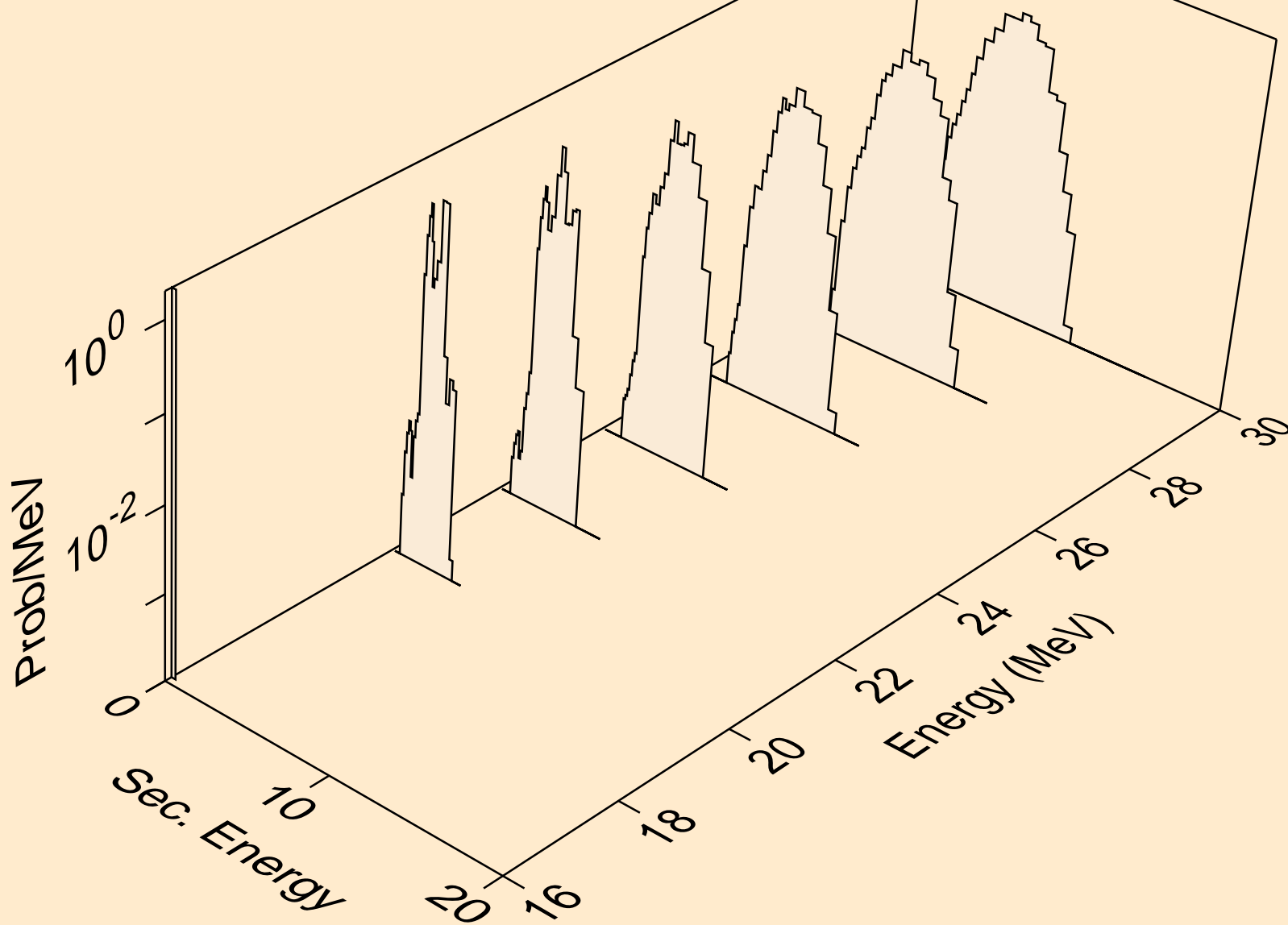
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protons from (n,2np)



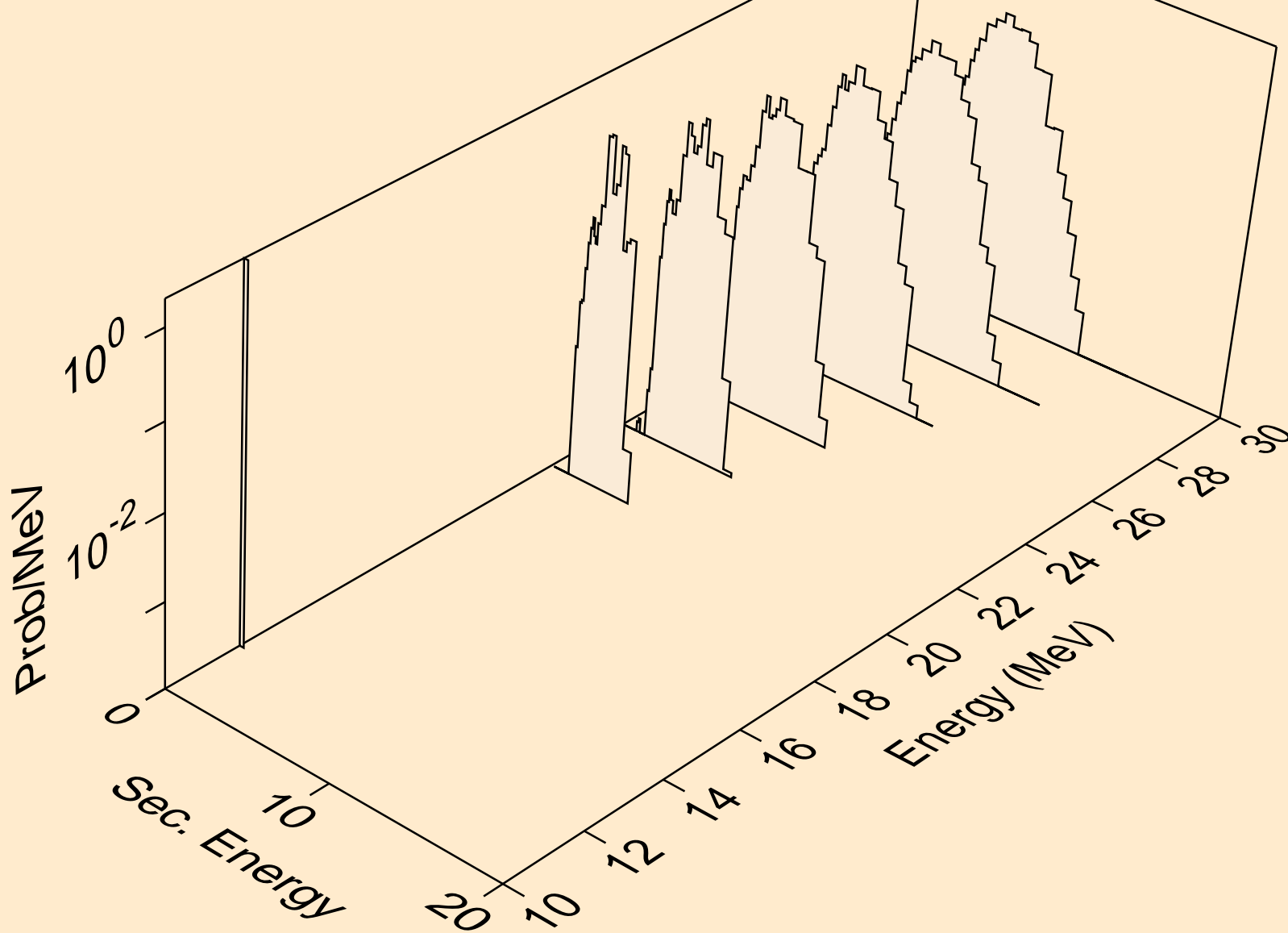
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protons from (n,3np)



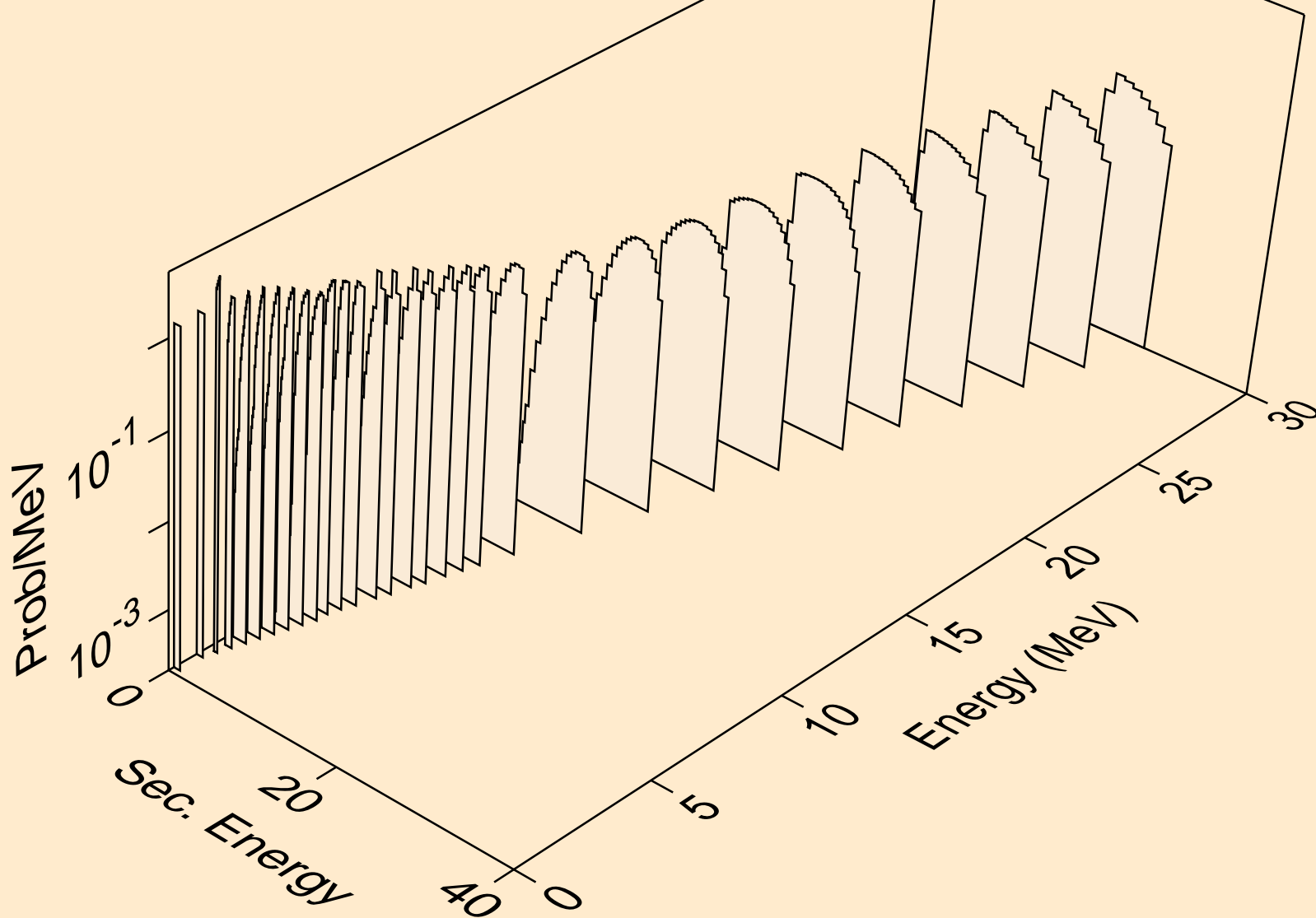
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protons from (n,2np)



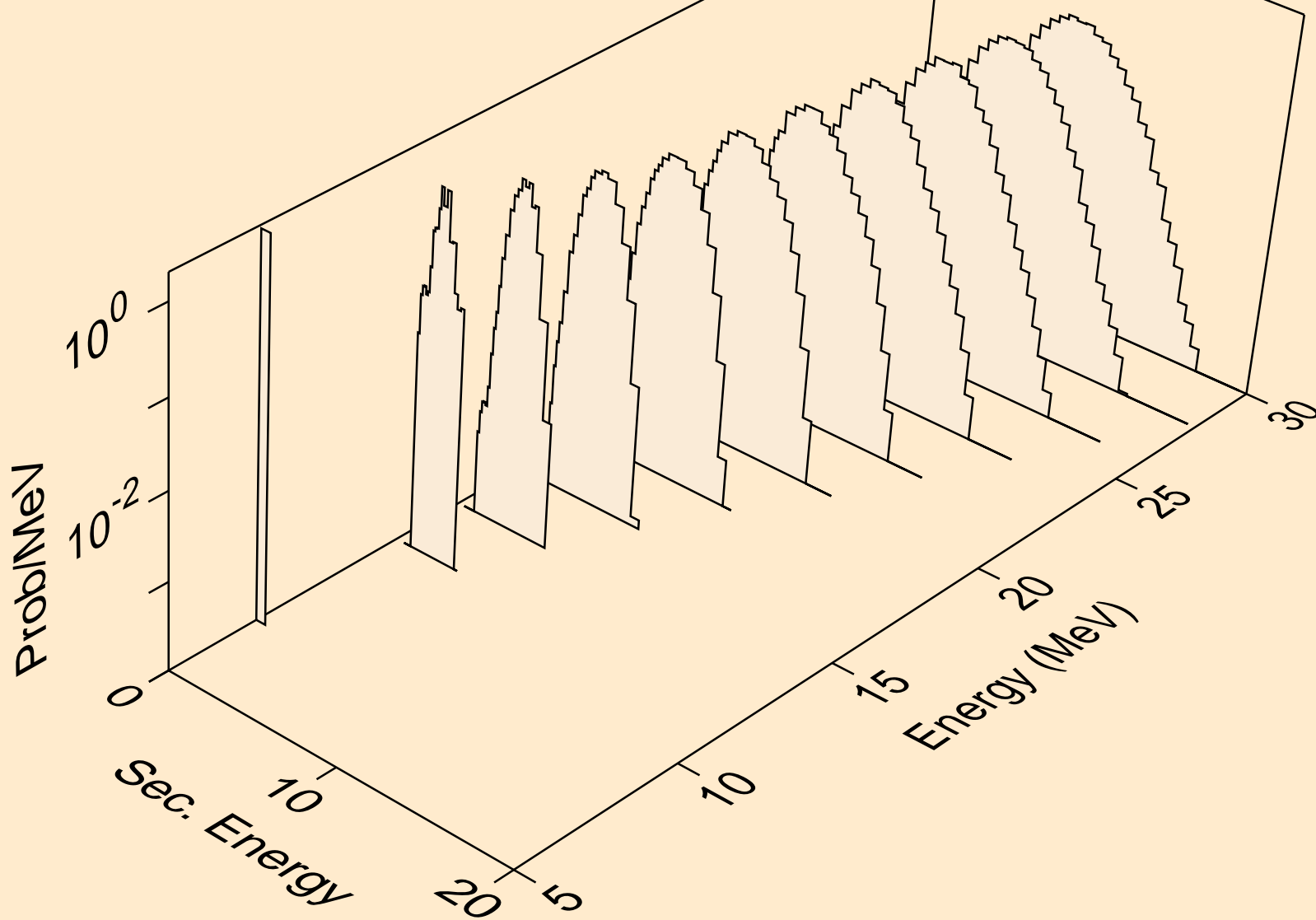
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protons from (n,npa)



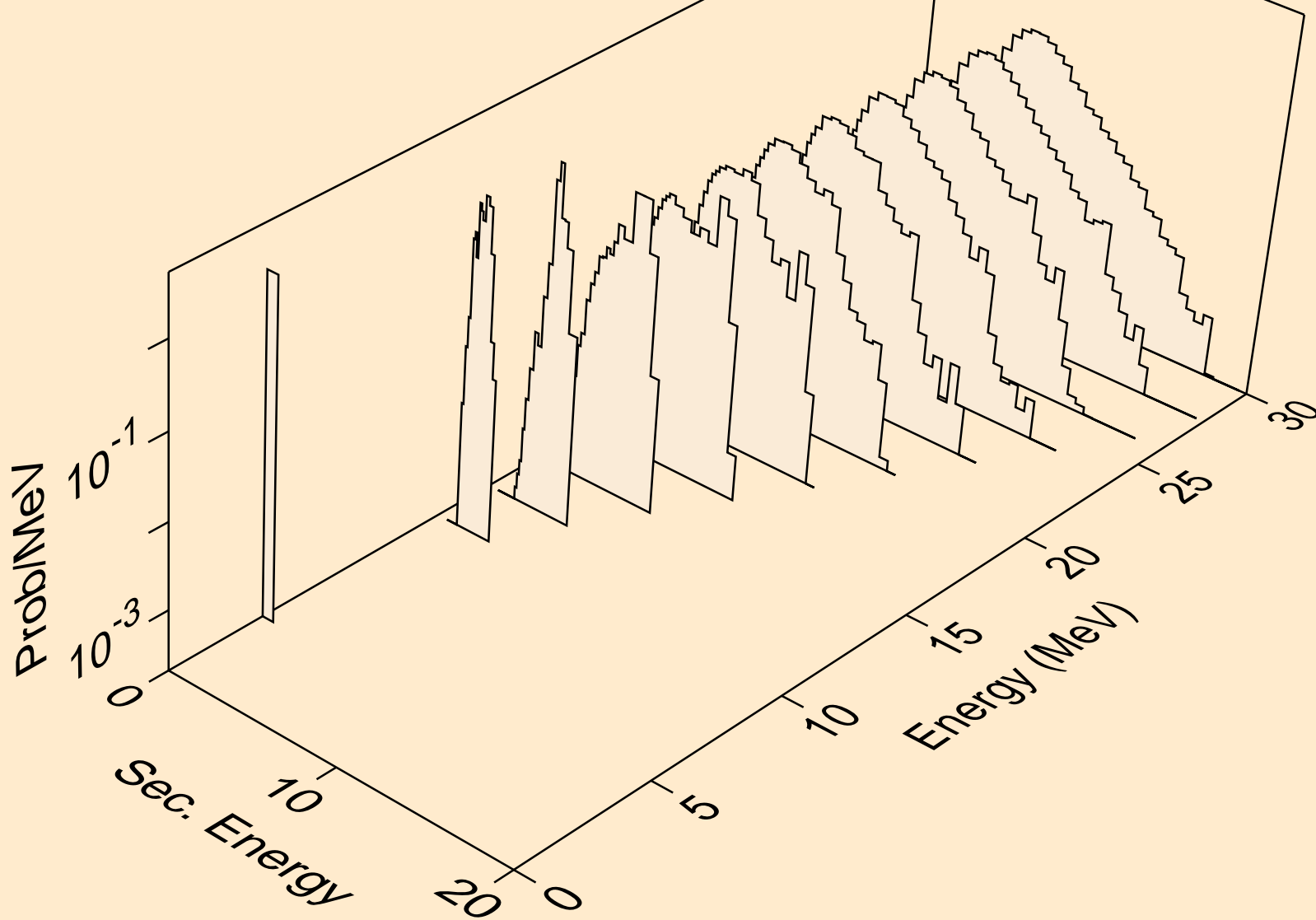
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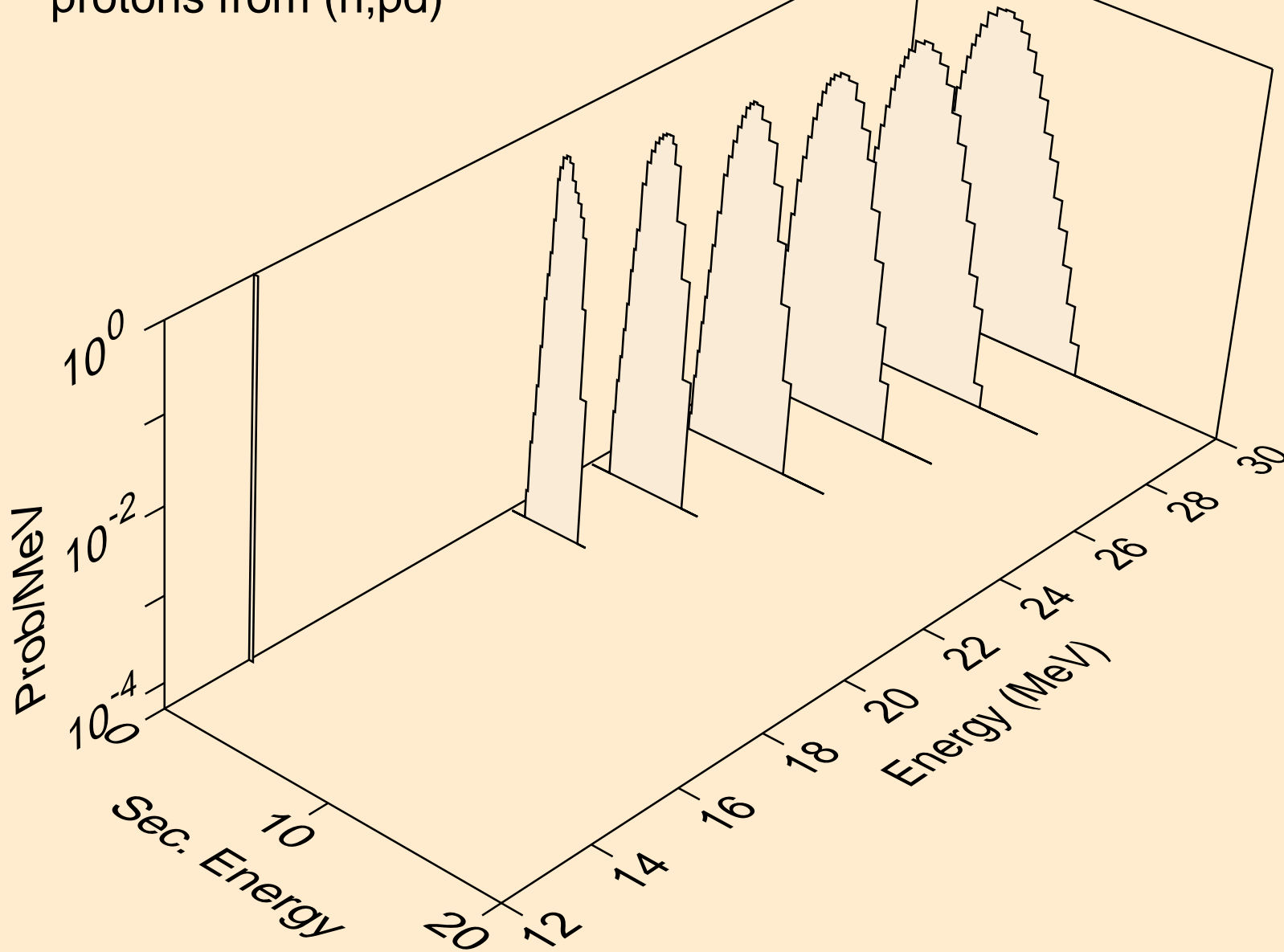
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protons from (n,2p)



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protons from (n,pa)

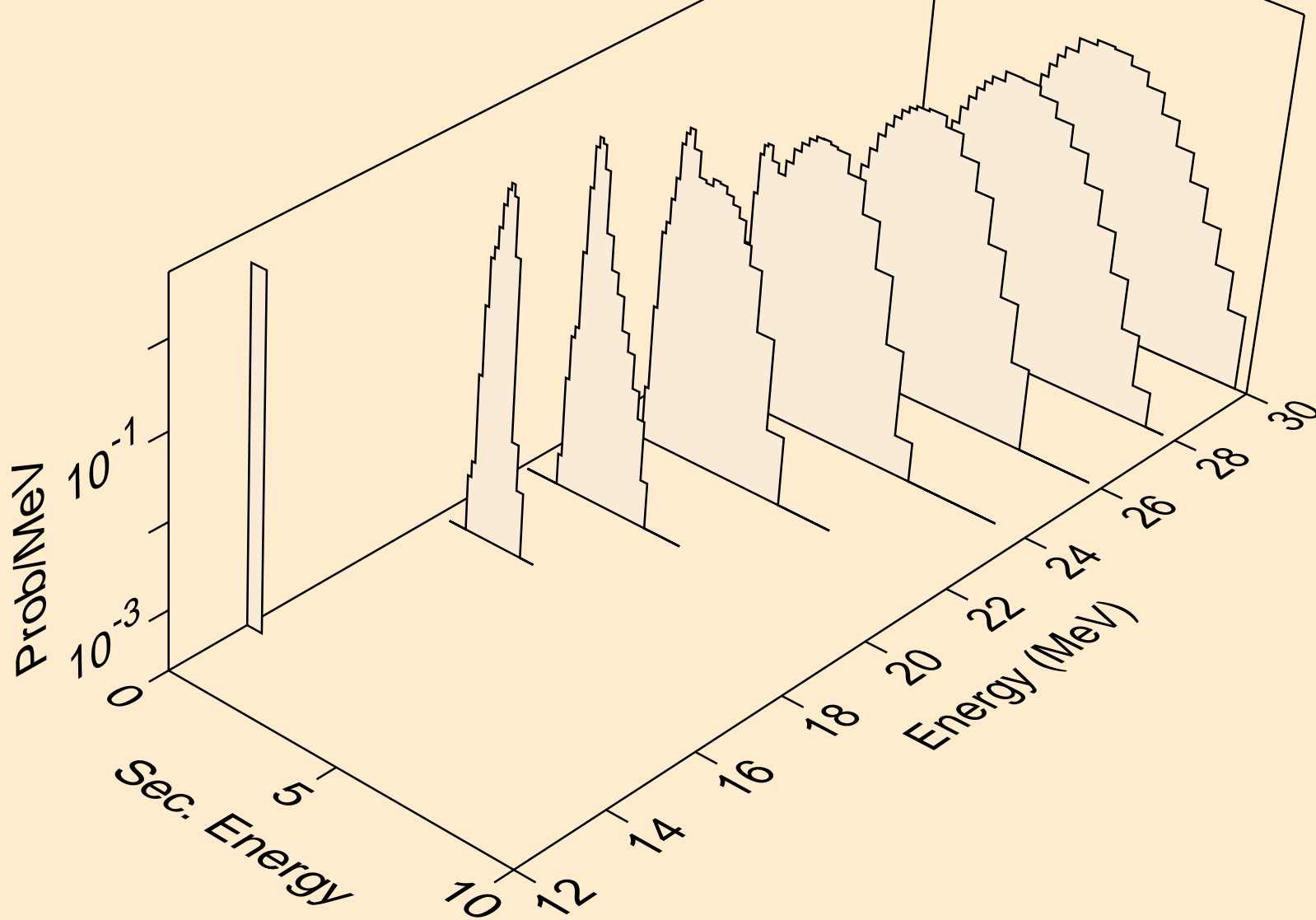


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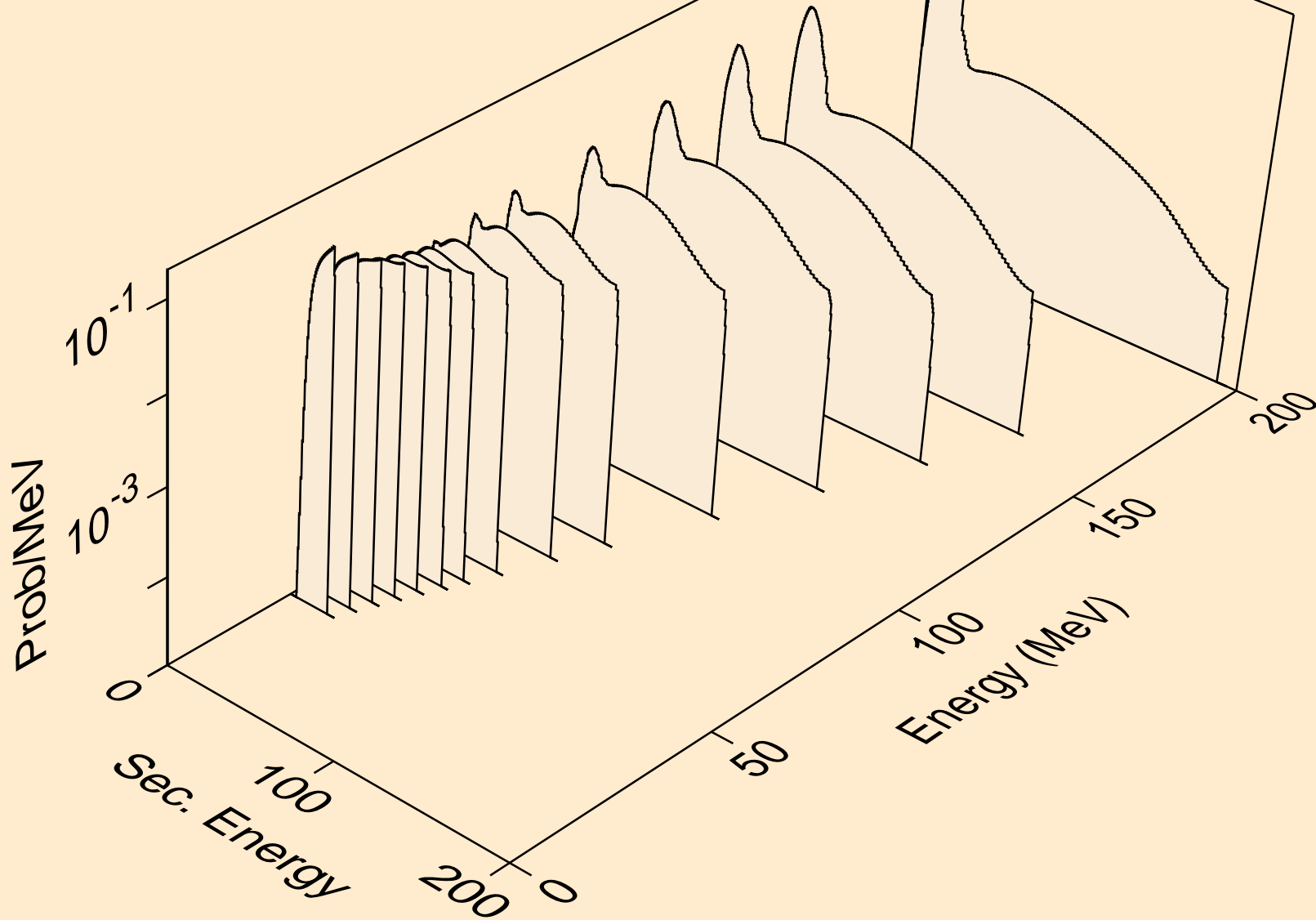




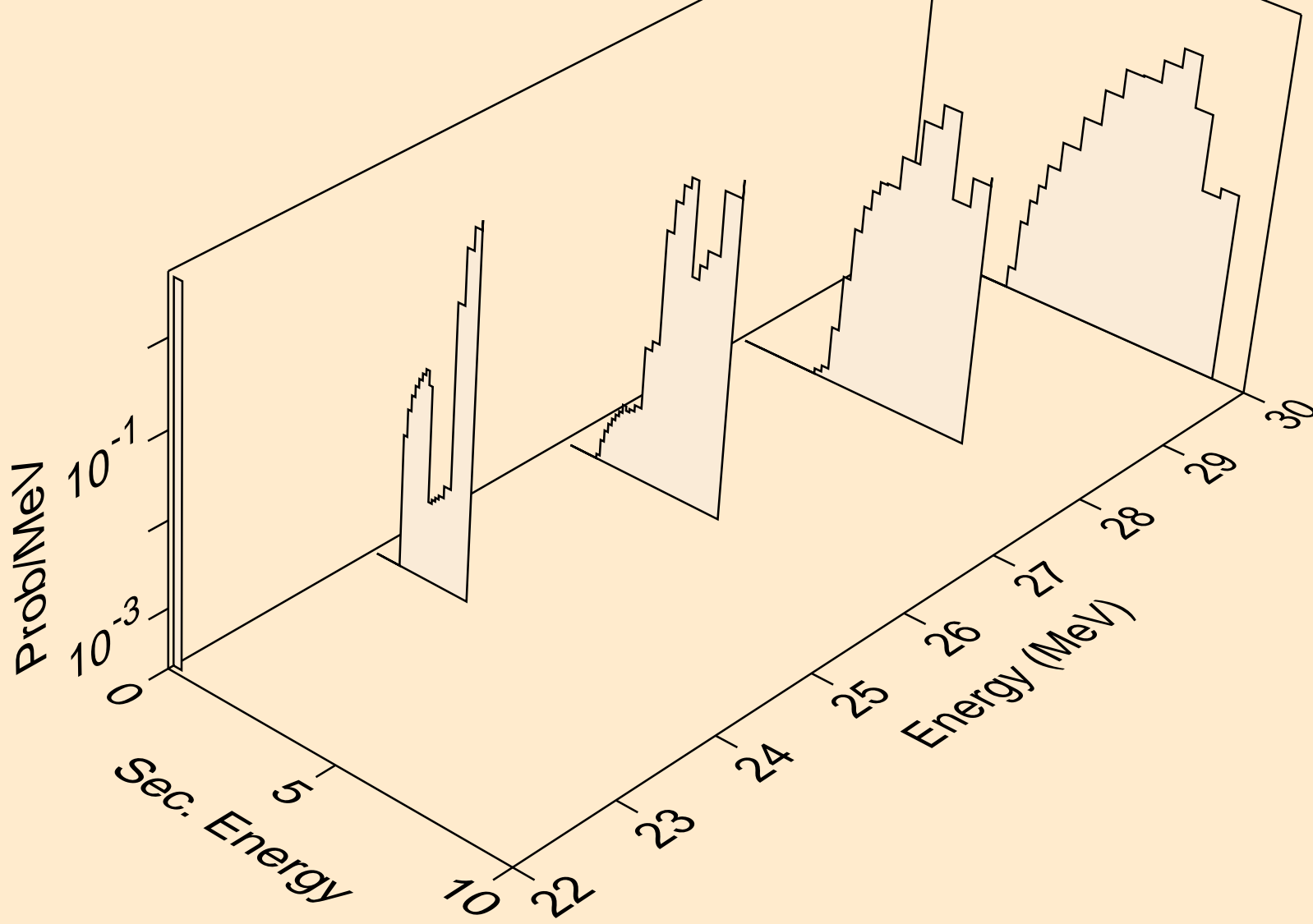
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protons from (n,pt)



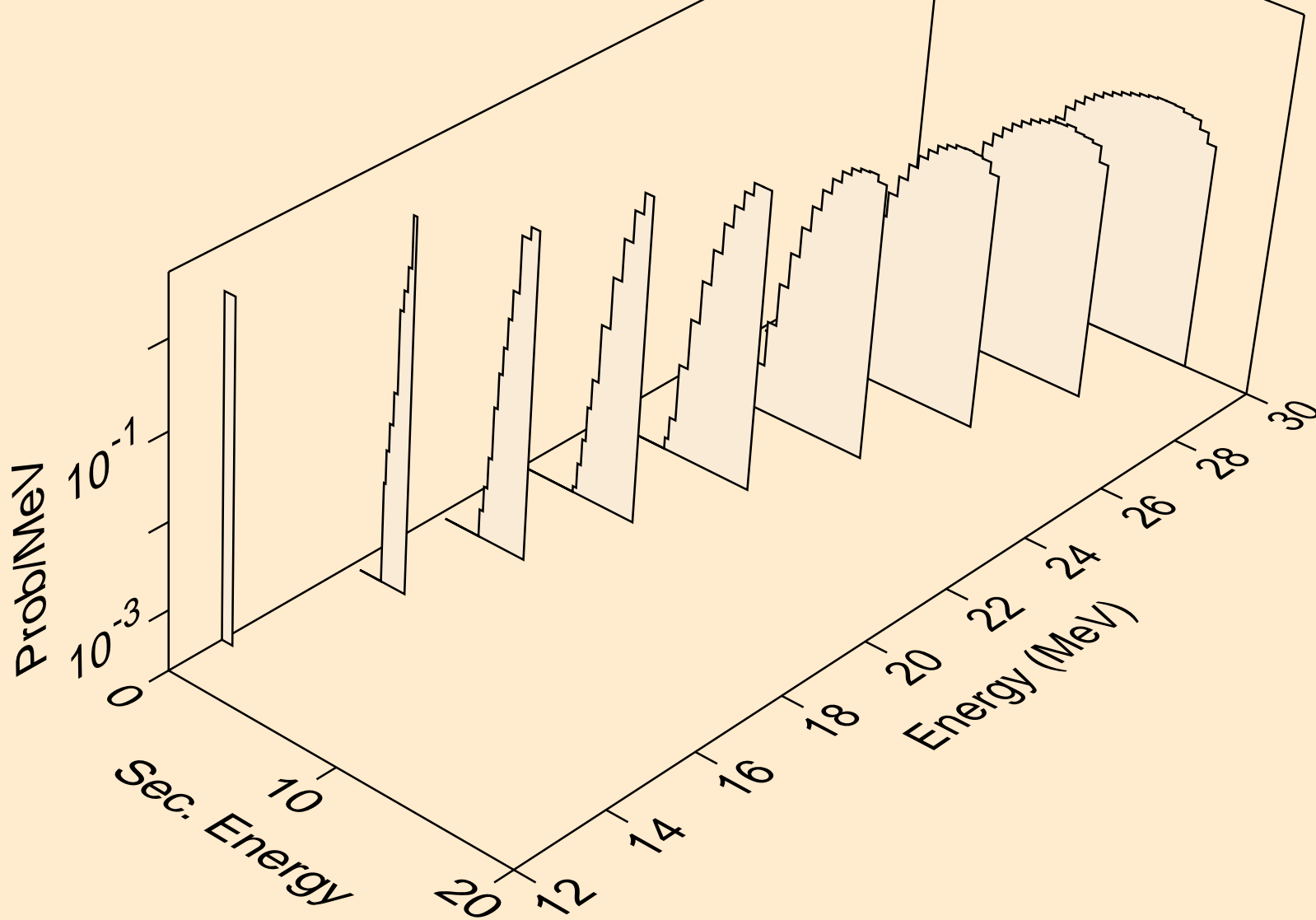
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deuterons from (n,x)



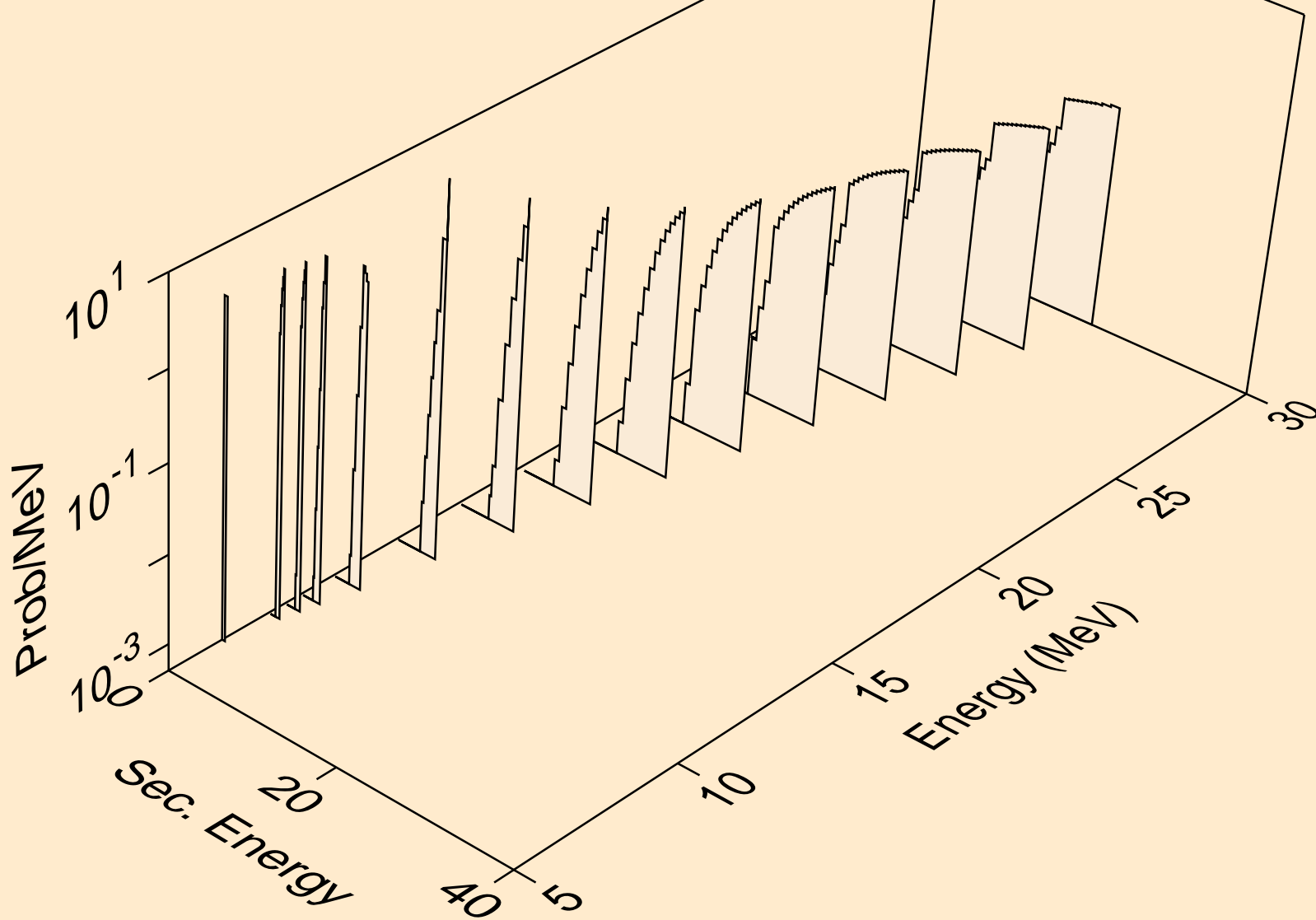
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deuterons from (n,2nd)



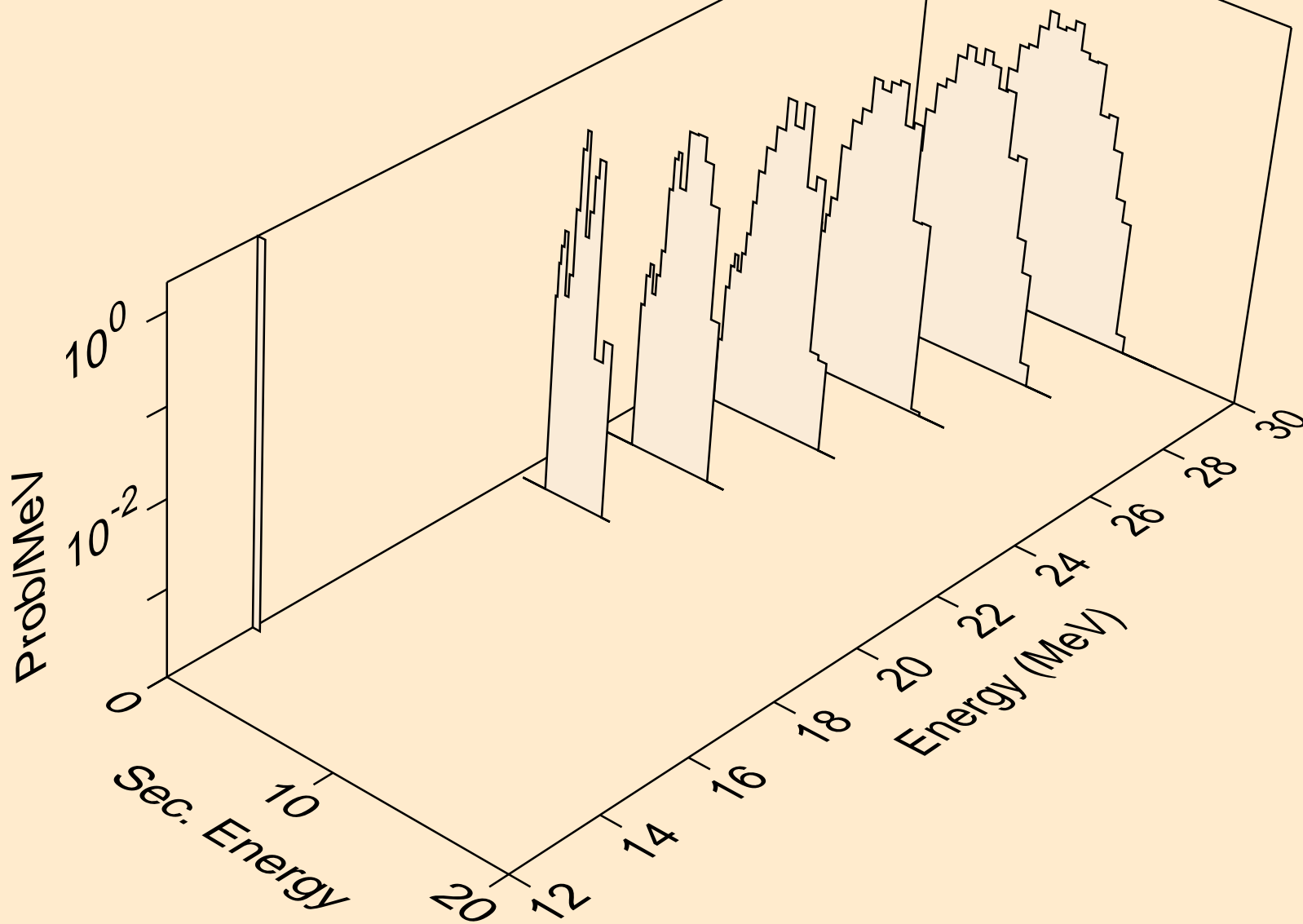
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deuterons from (n,n\*)d



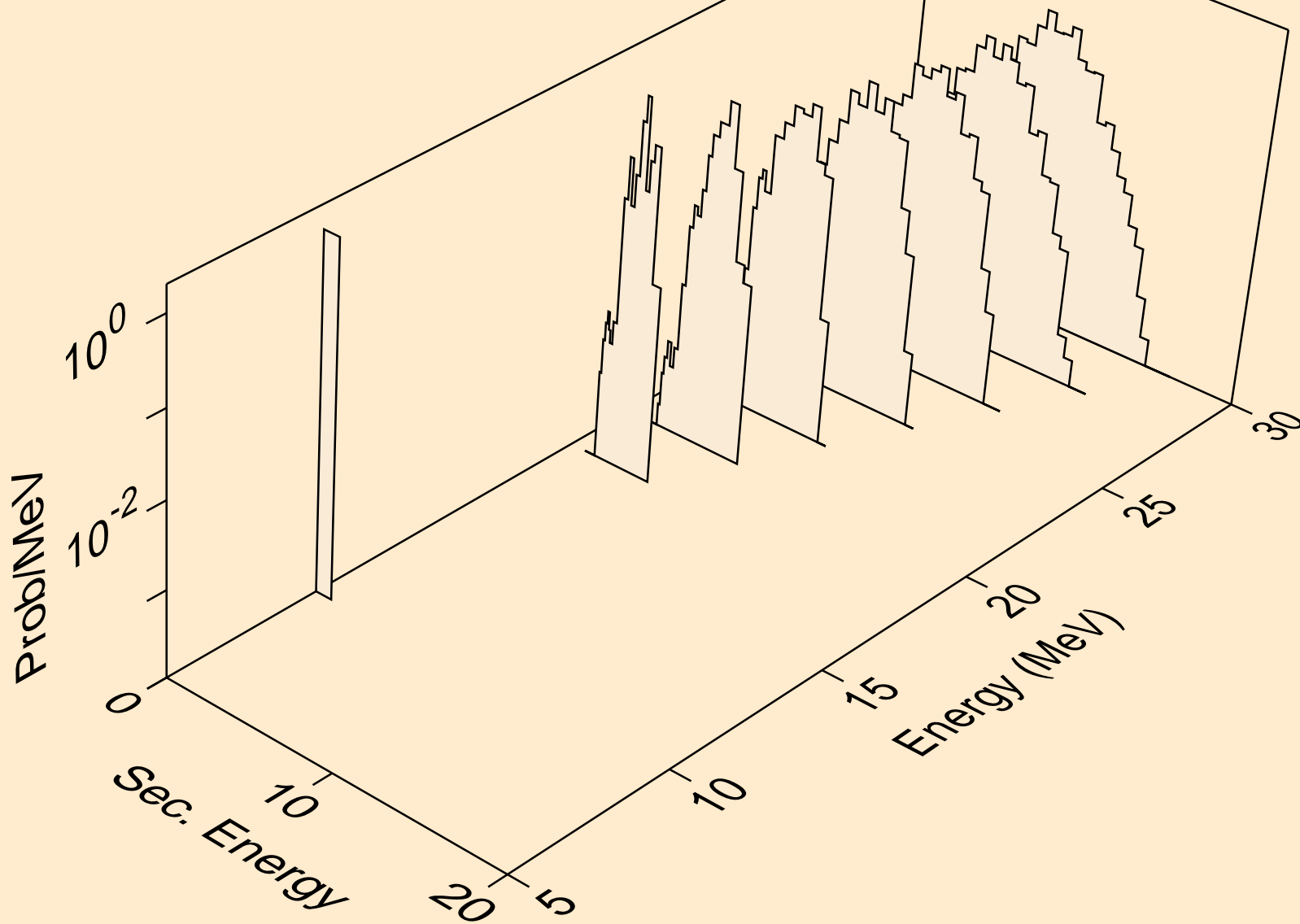
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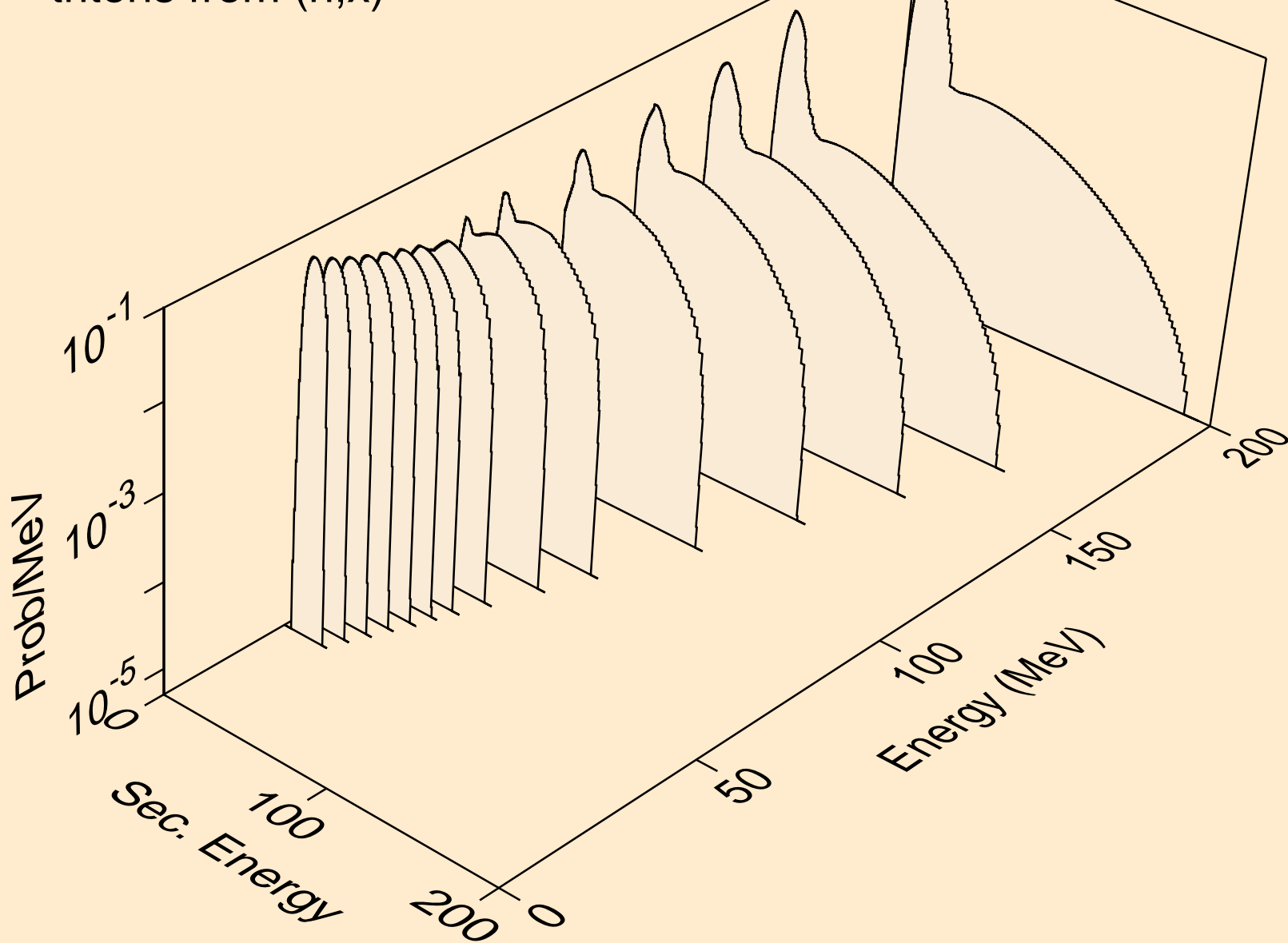
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deuterons from (n,pd)



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deuterons from (n,da)

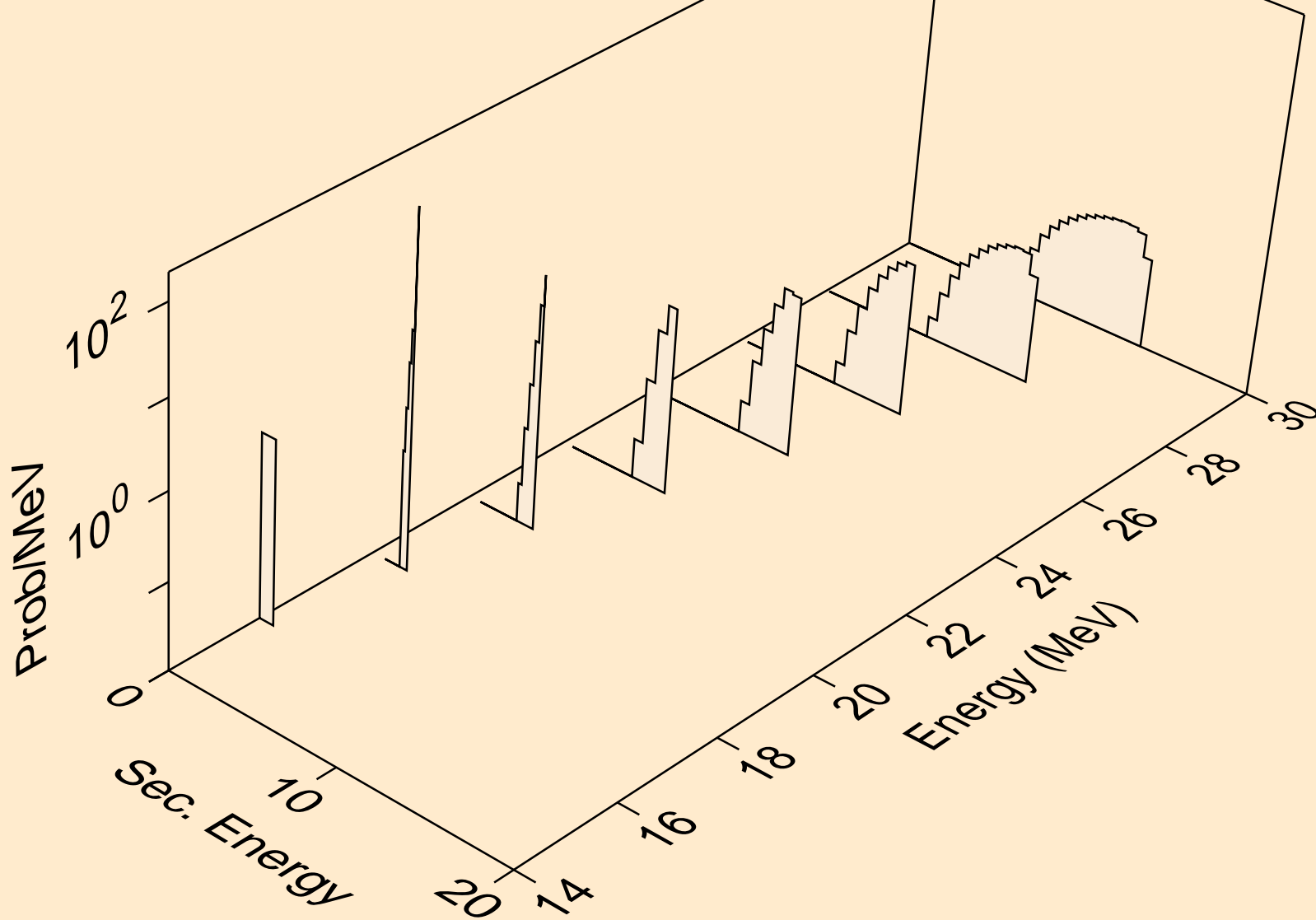


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tritons from (n,x)

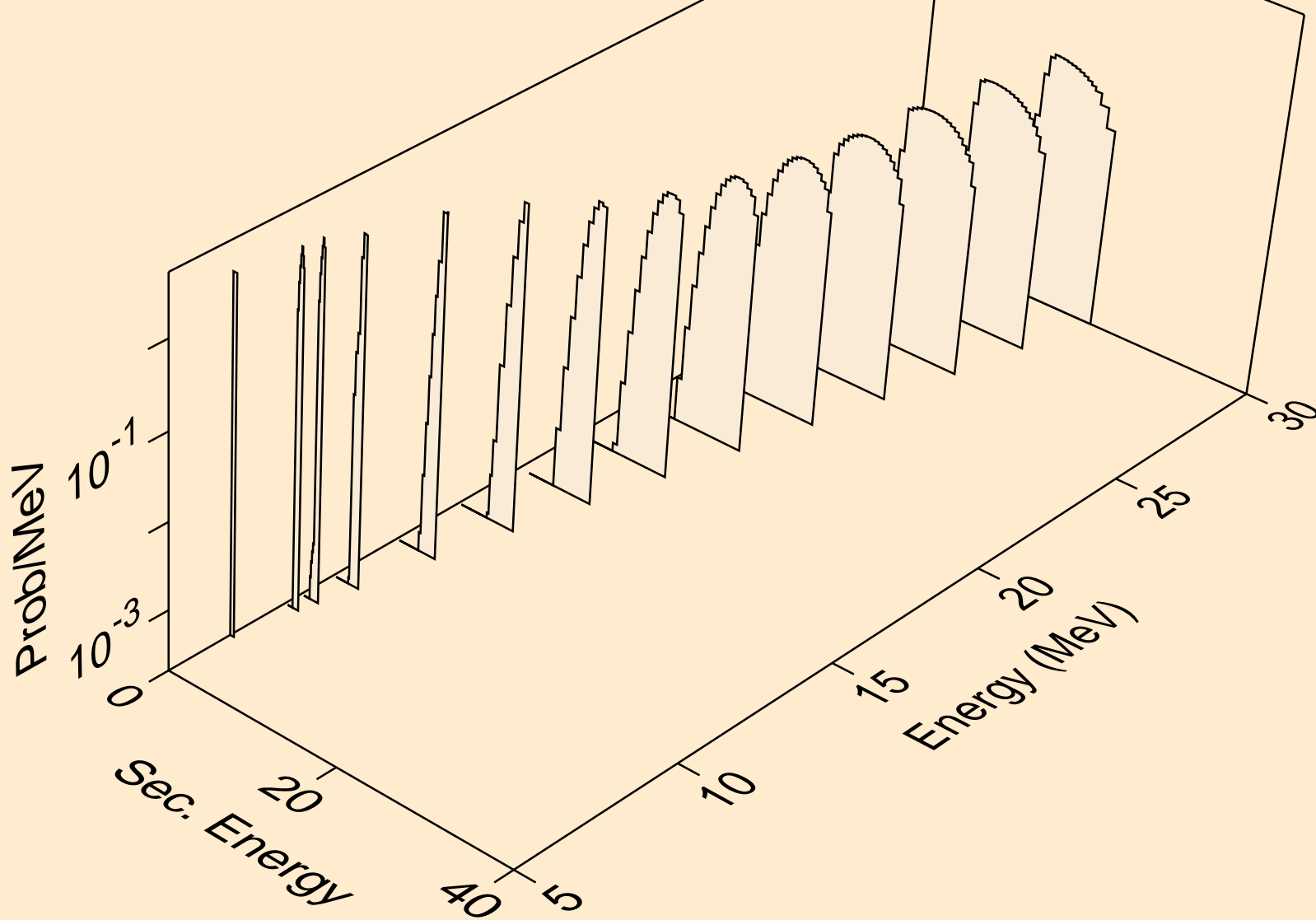




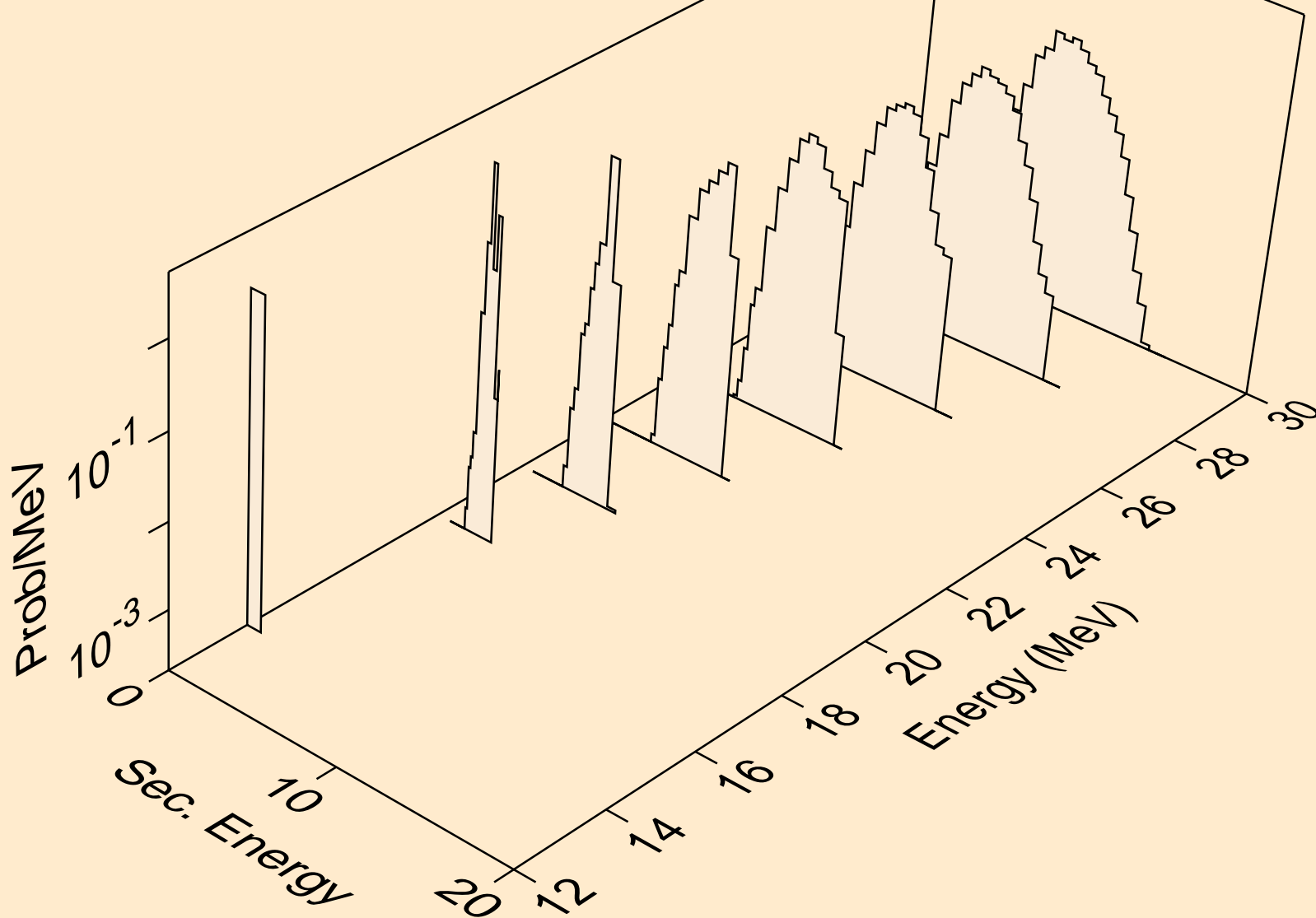
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tritons from (n,n\*)t



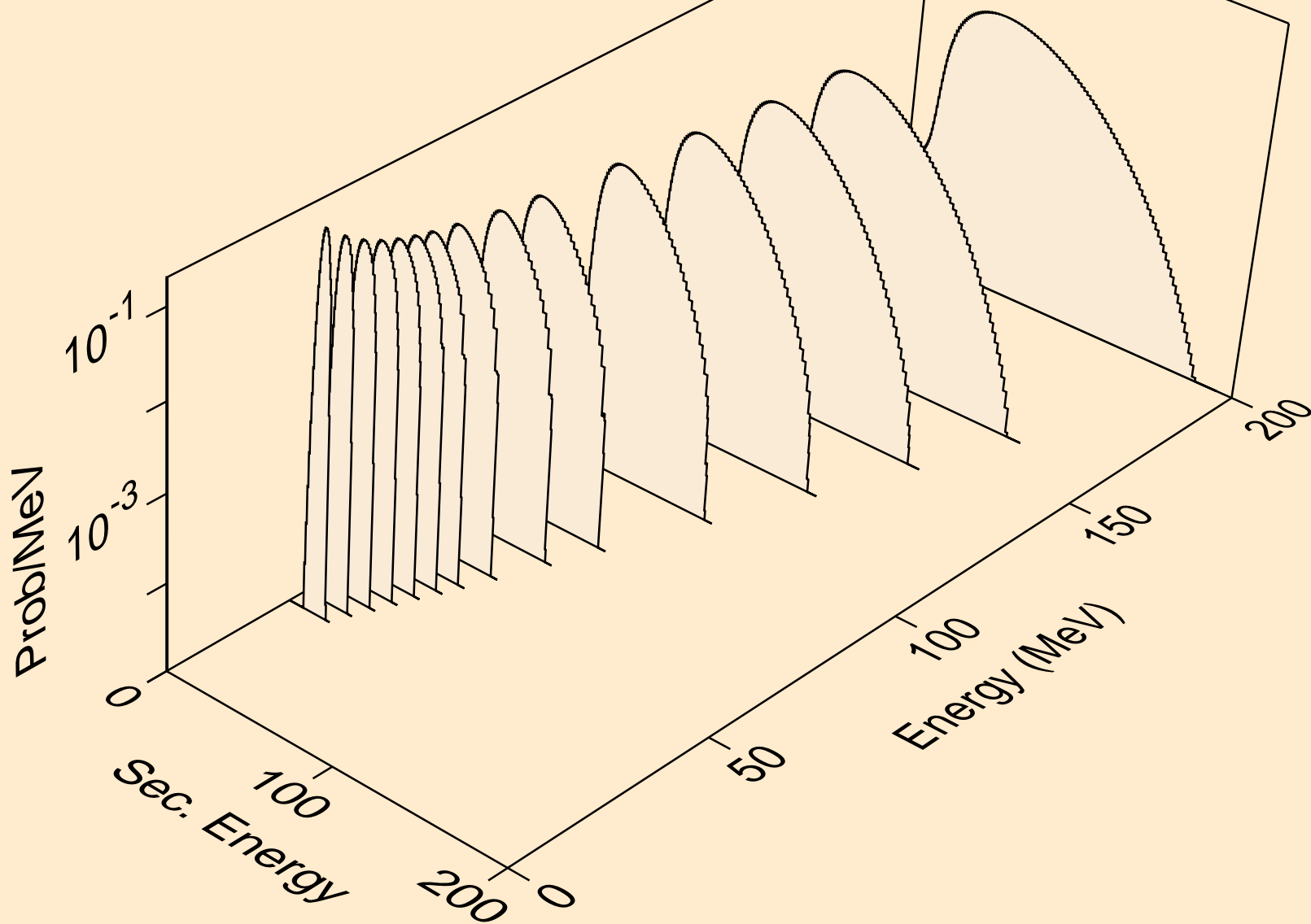
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tritons from (n,t)



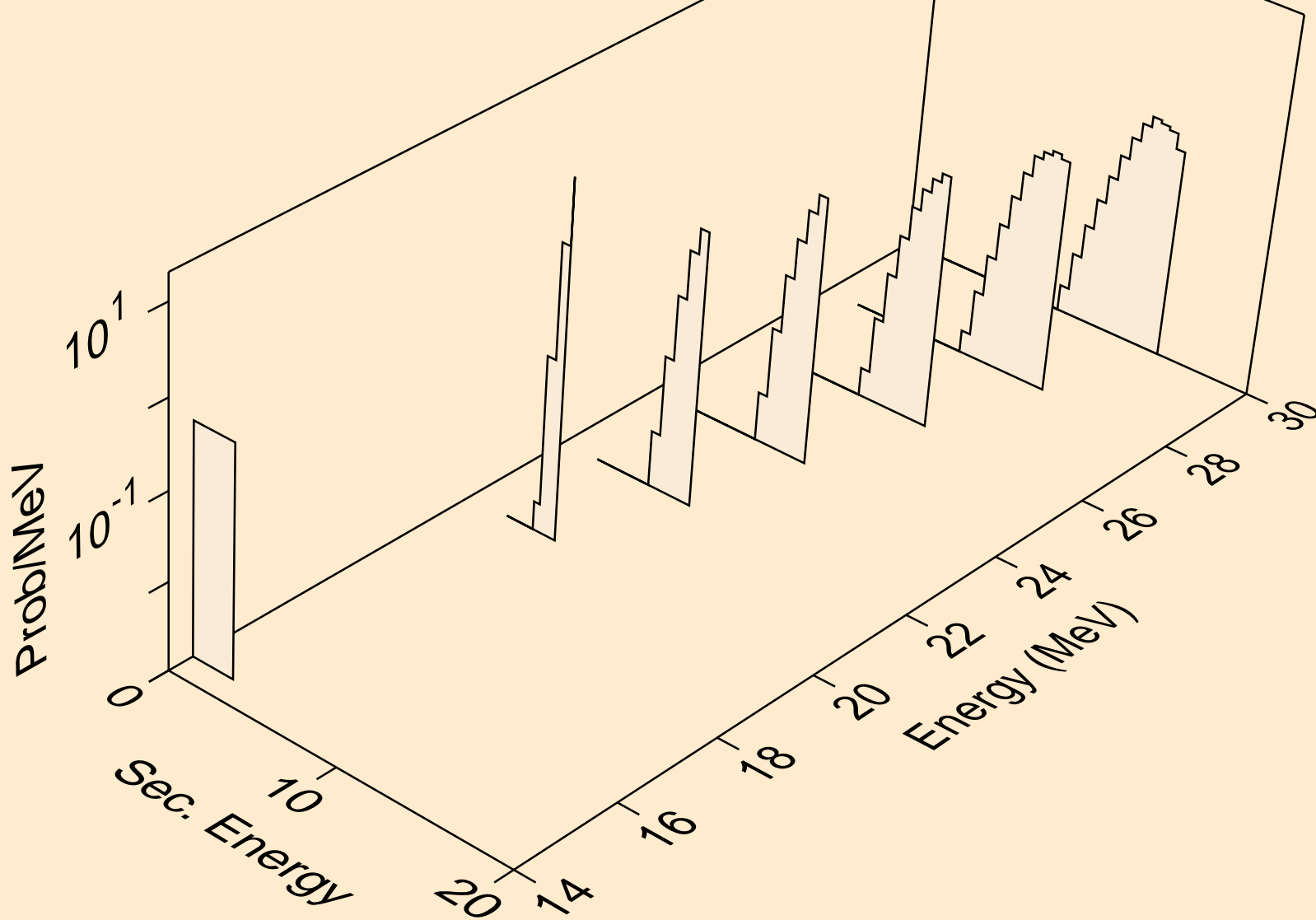
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tritons from (n,pt)



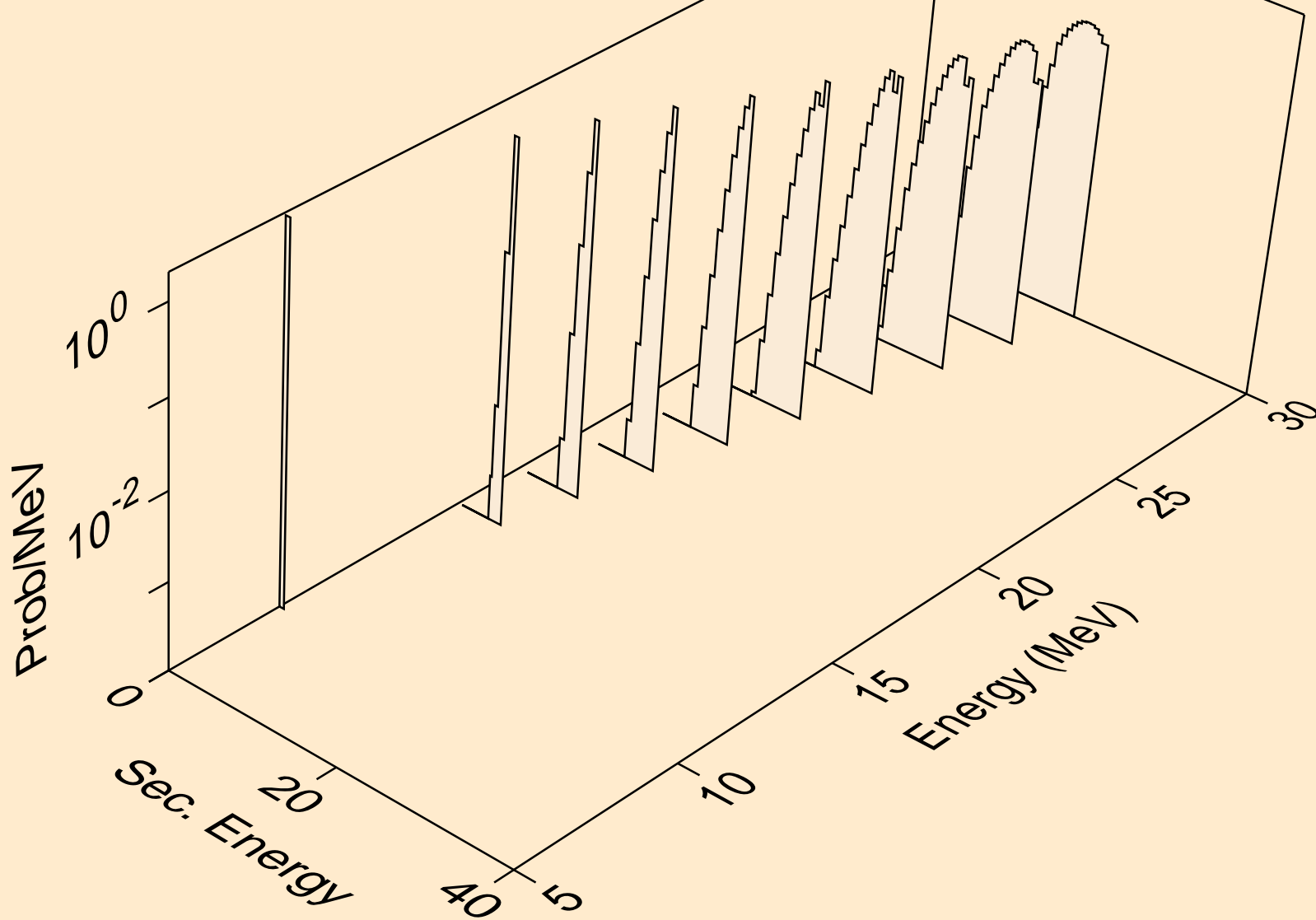
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he3s from (n,x)



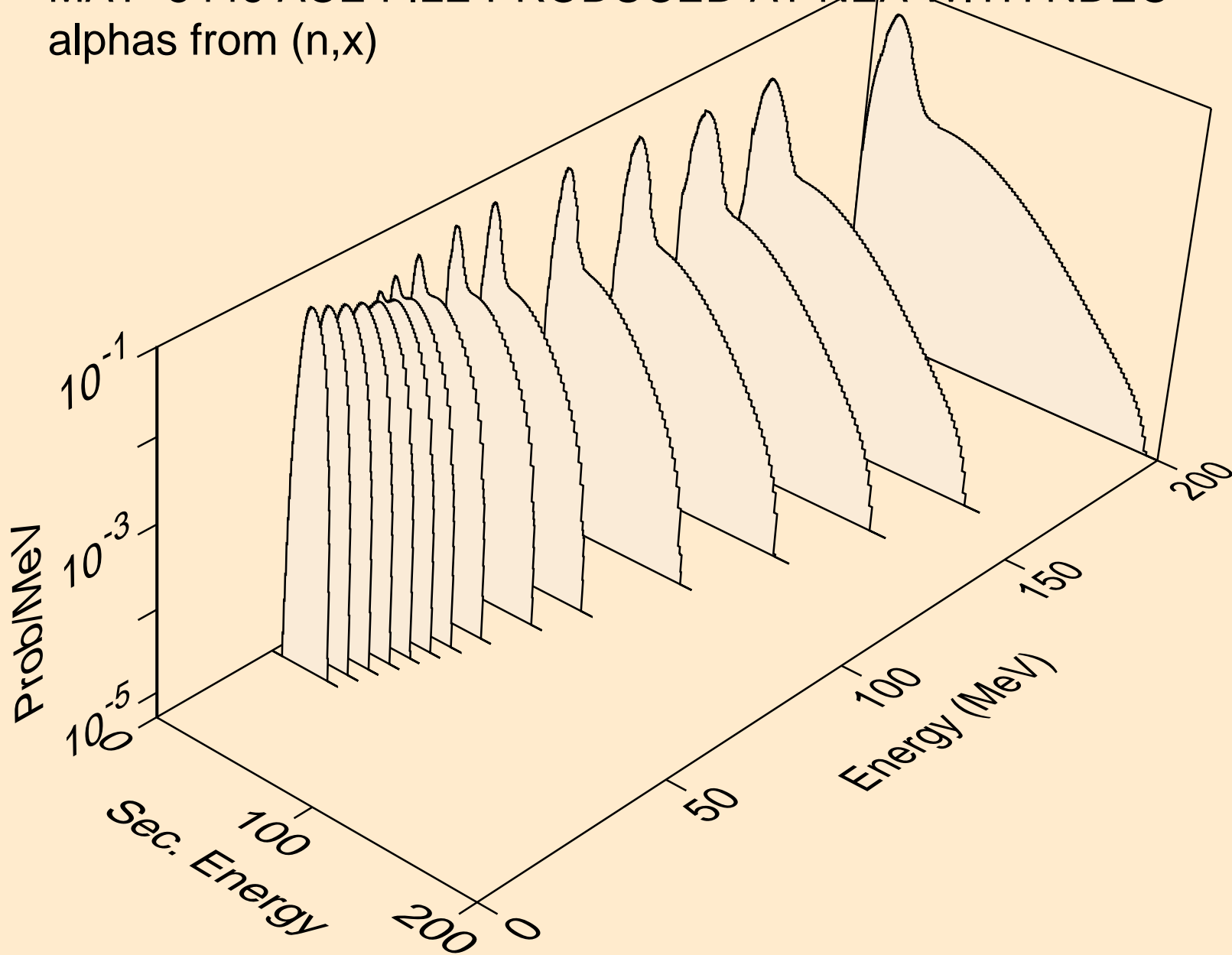
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he3s from (n,n\*)he3



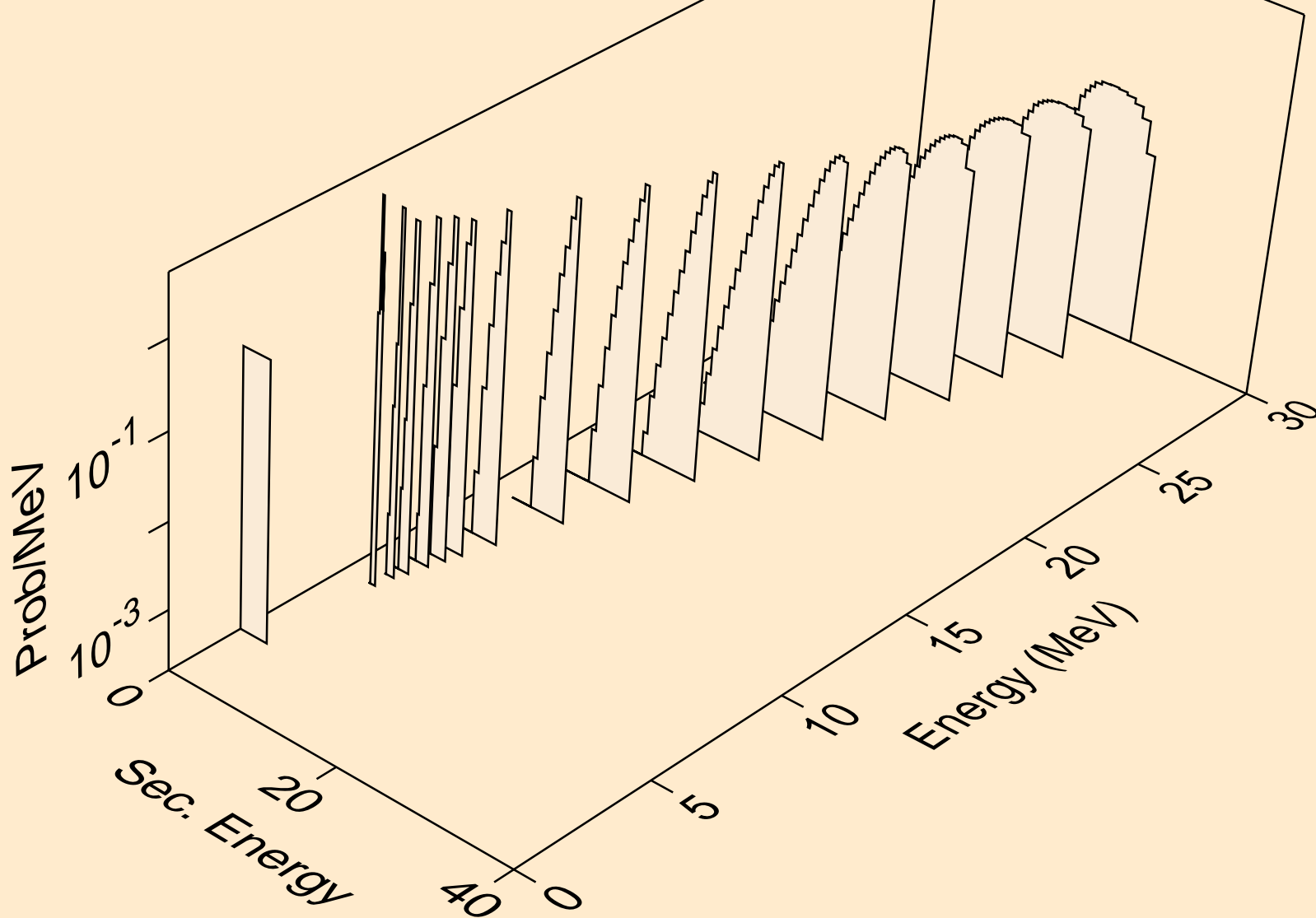
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he3s from (n,he3)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,x)

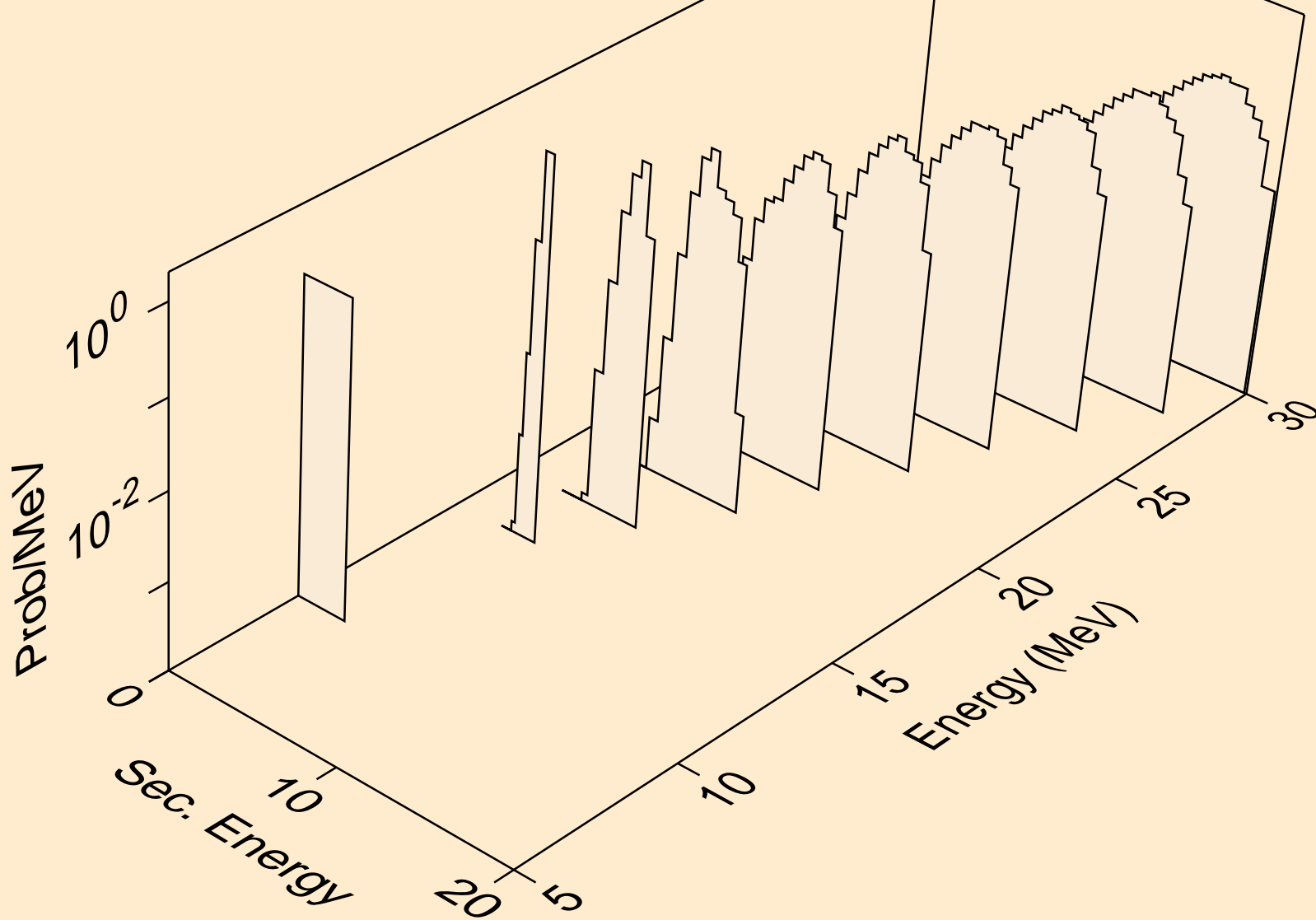


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alphas from (n,n\*)a

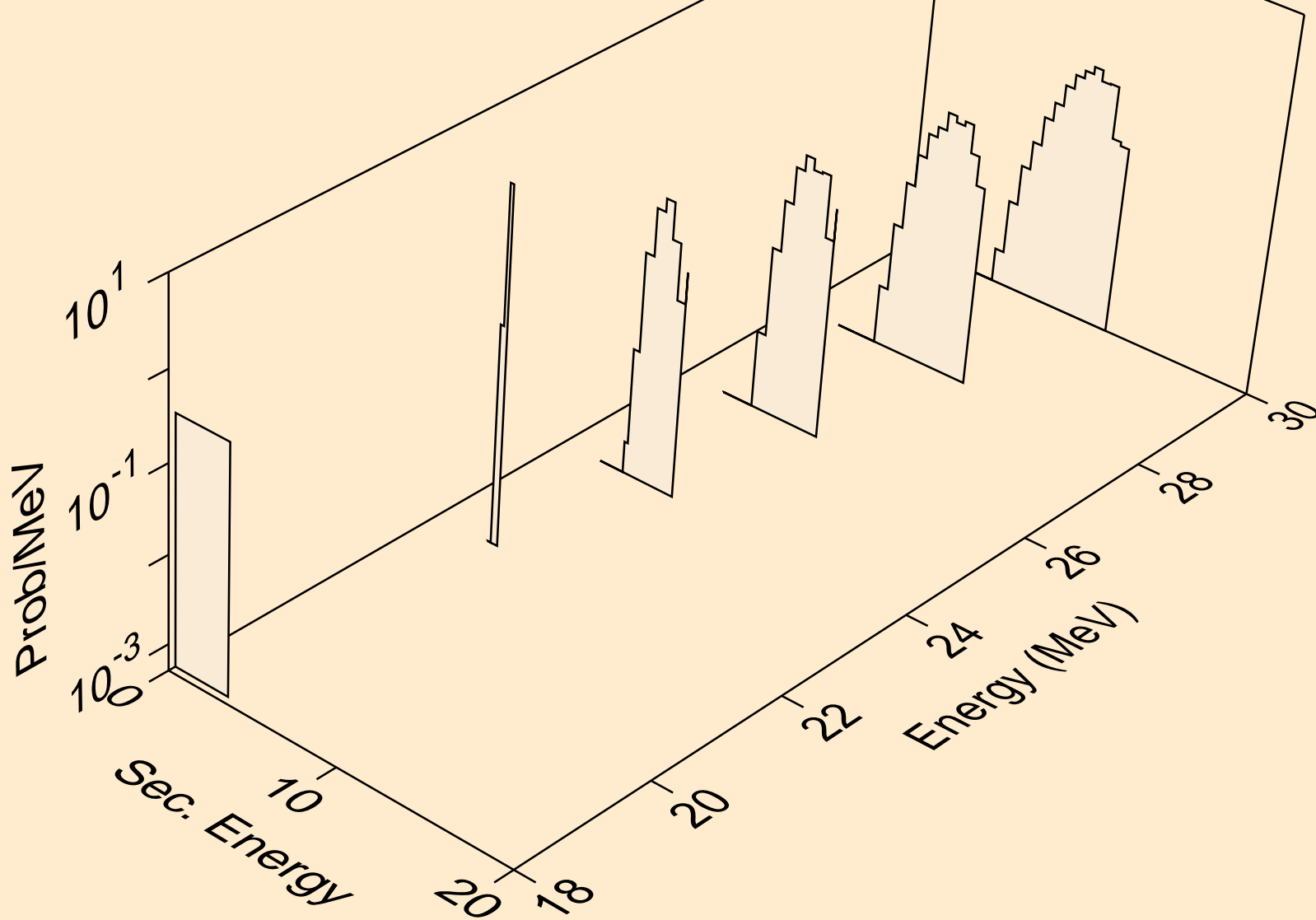




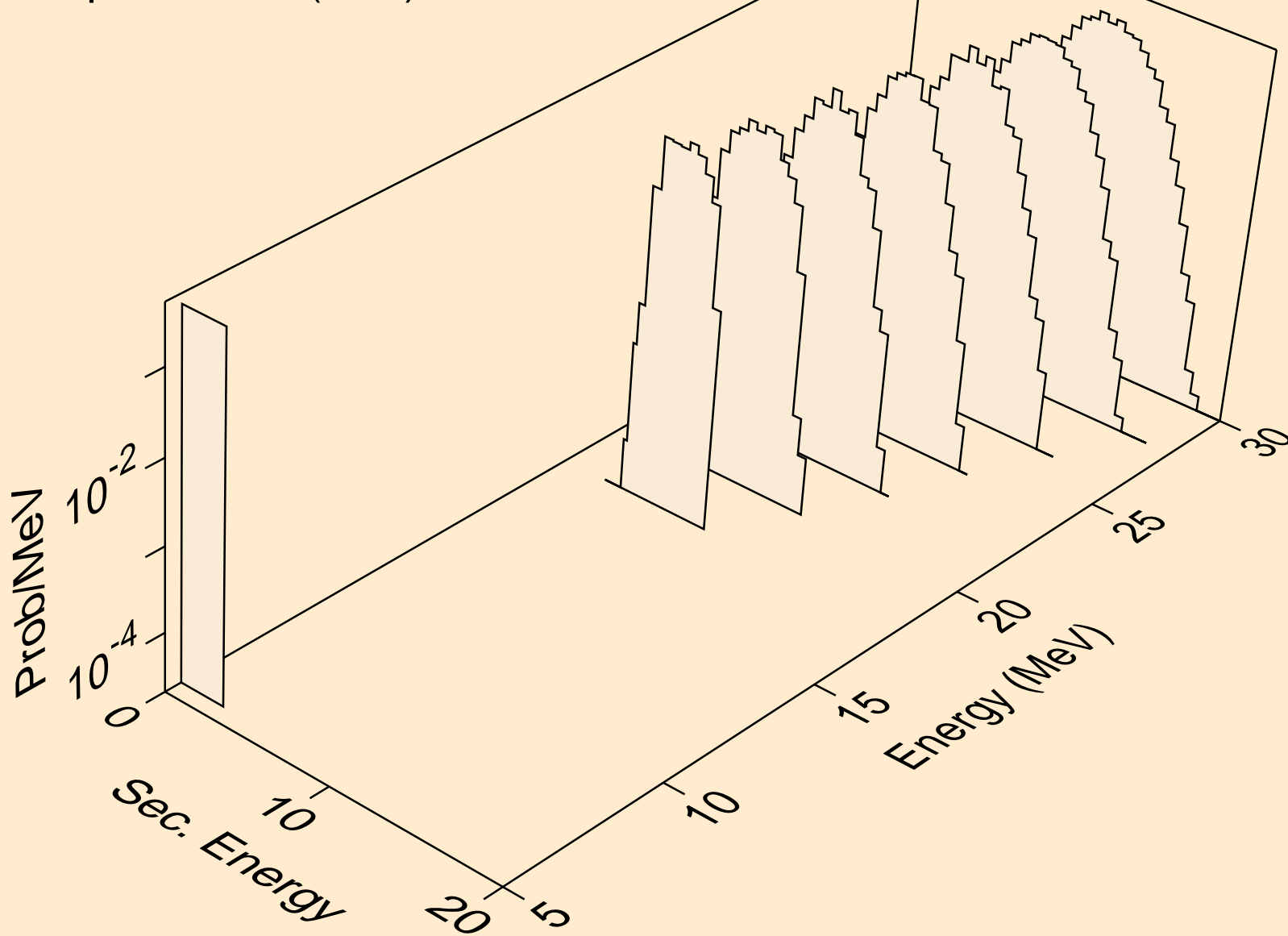
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alphas from (n,2n)a



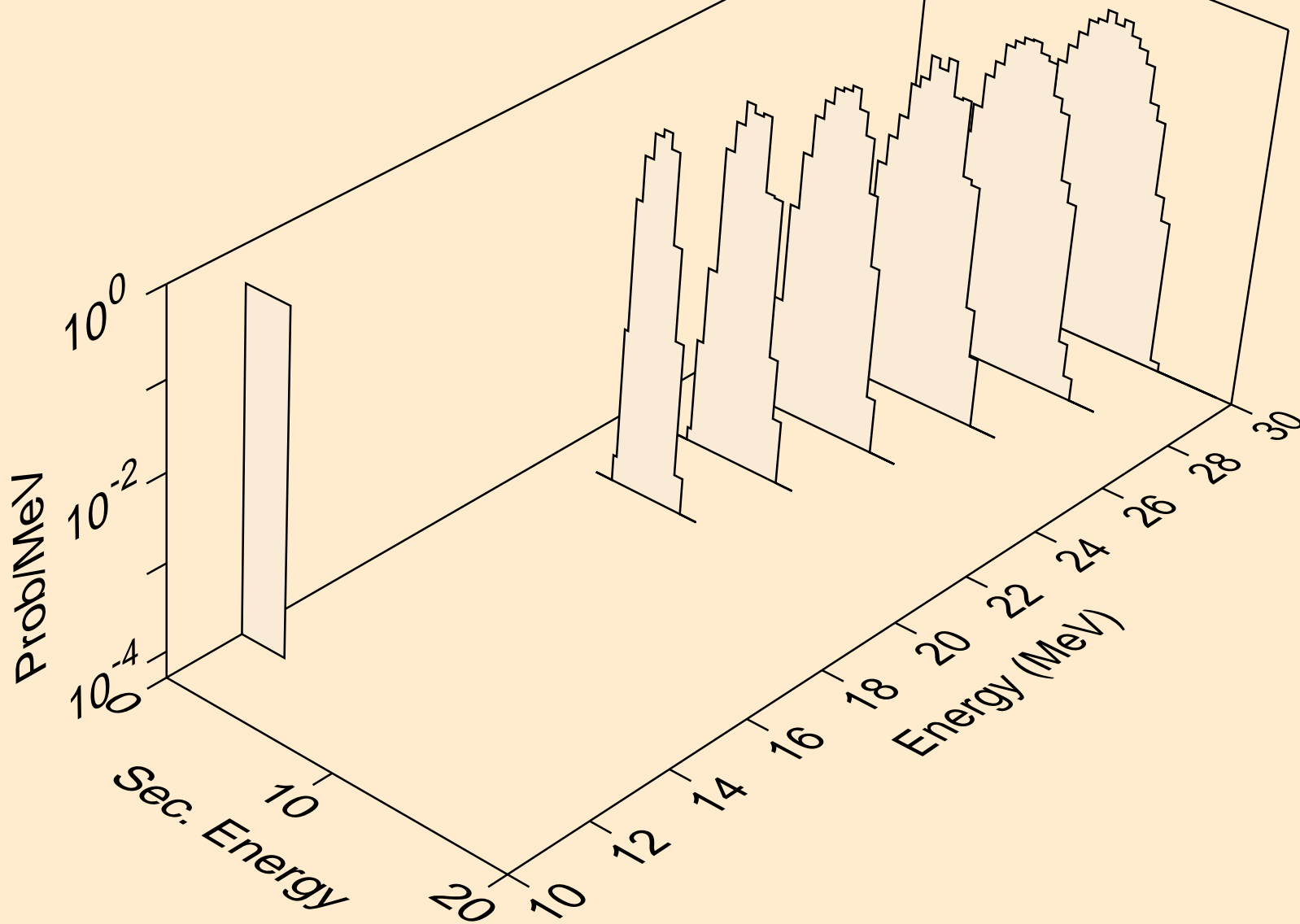
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,3n)a



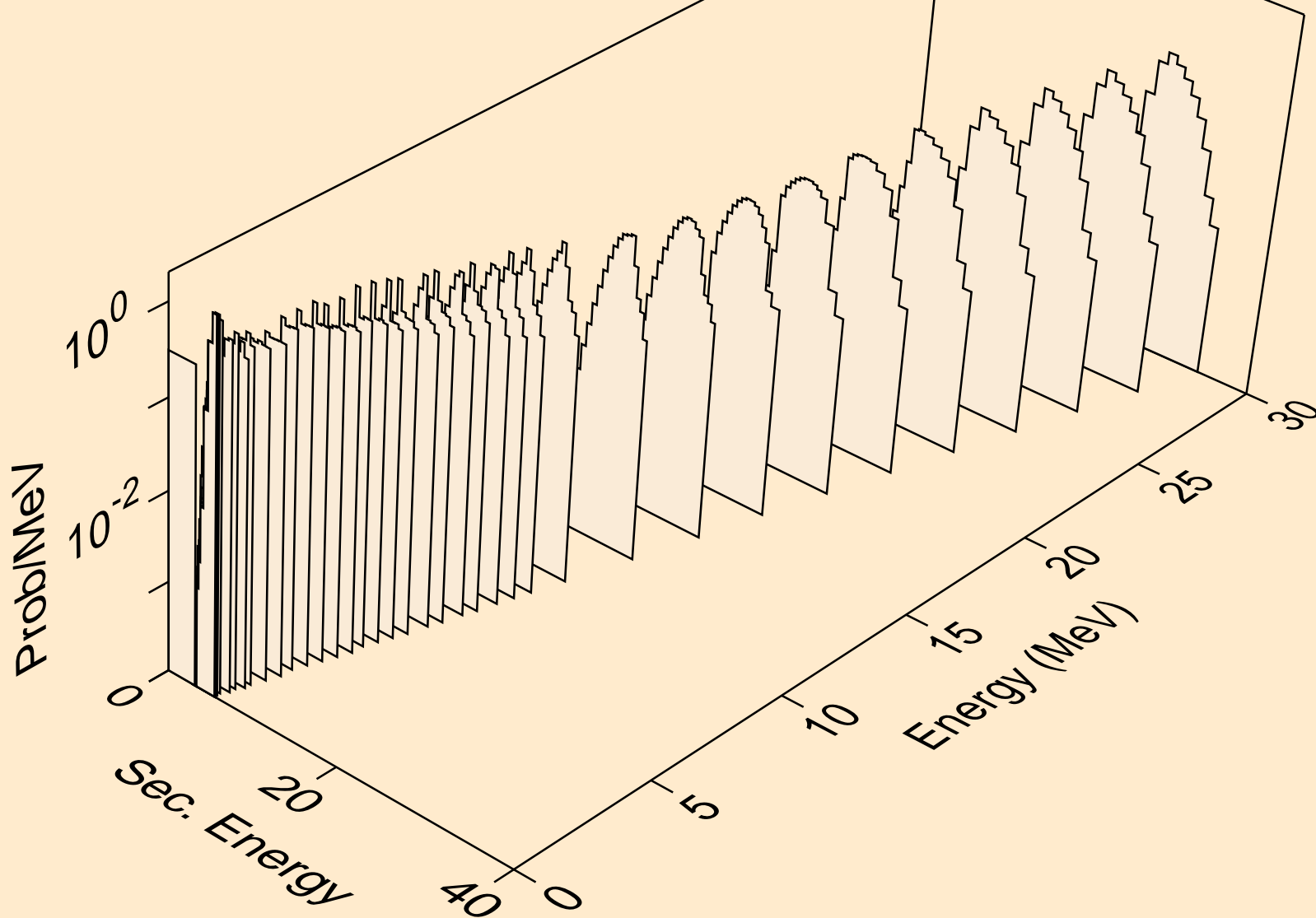
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alphas from (n,n\*)2a



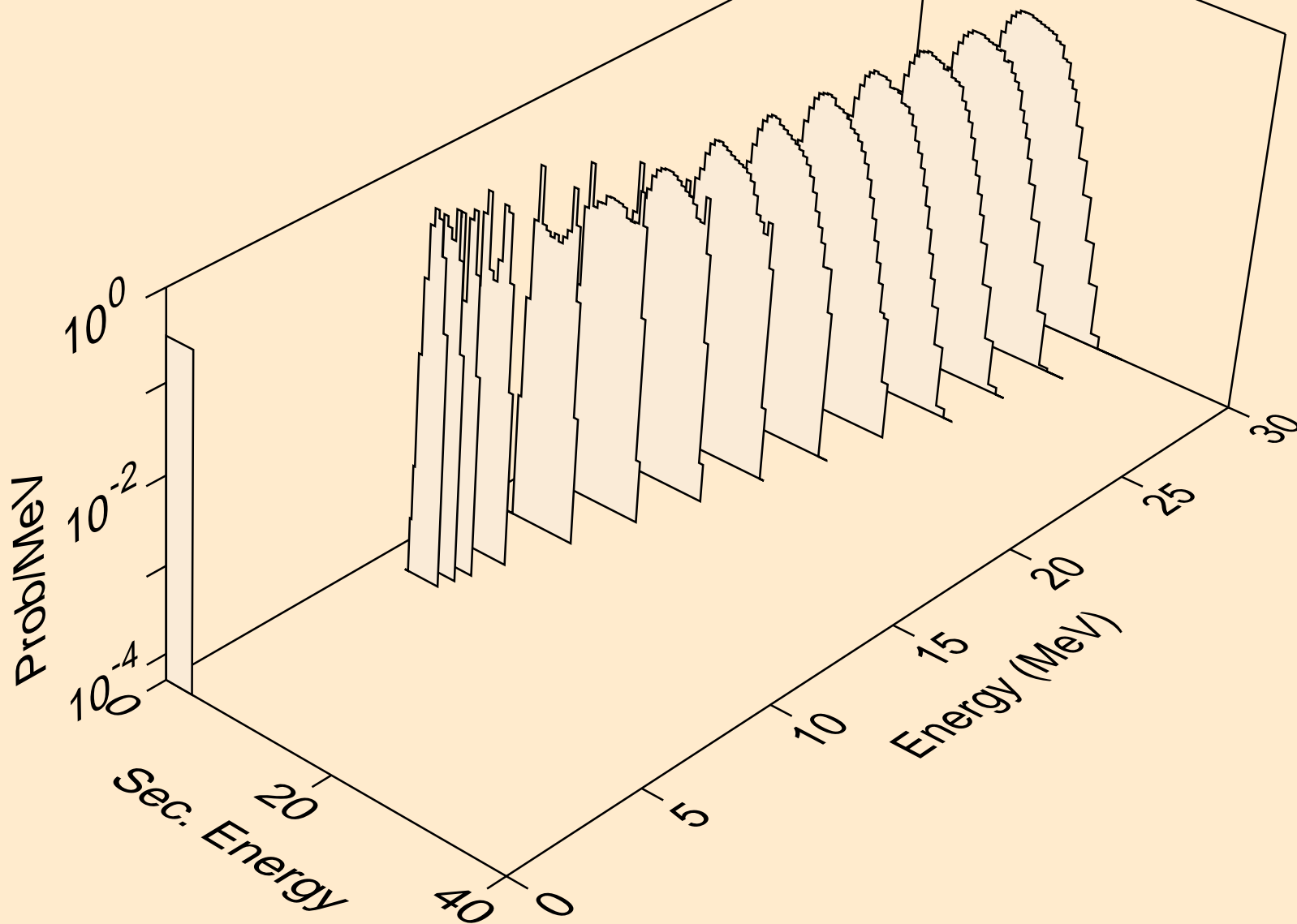
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alphas from (n,npa)



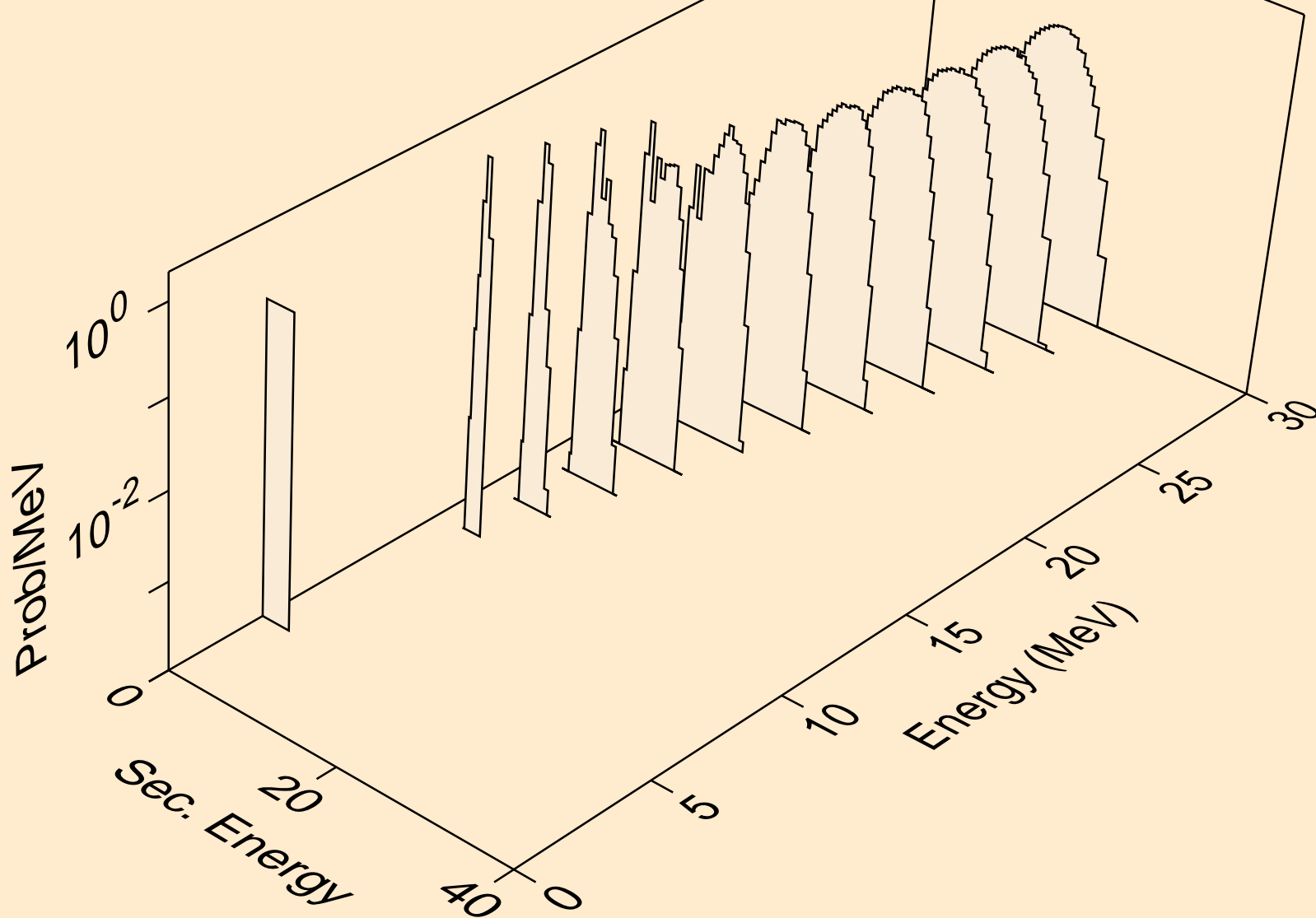
MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,a)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,2a)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,pa)



MAT=5446 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,da)

