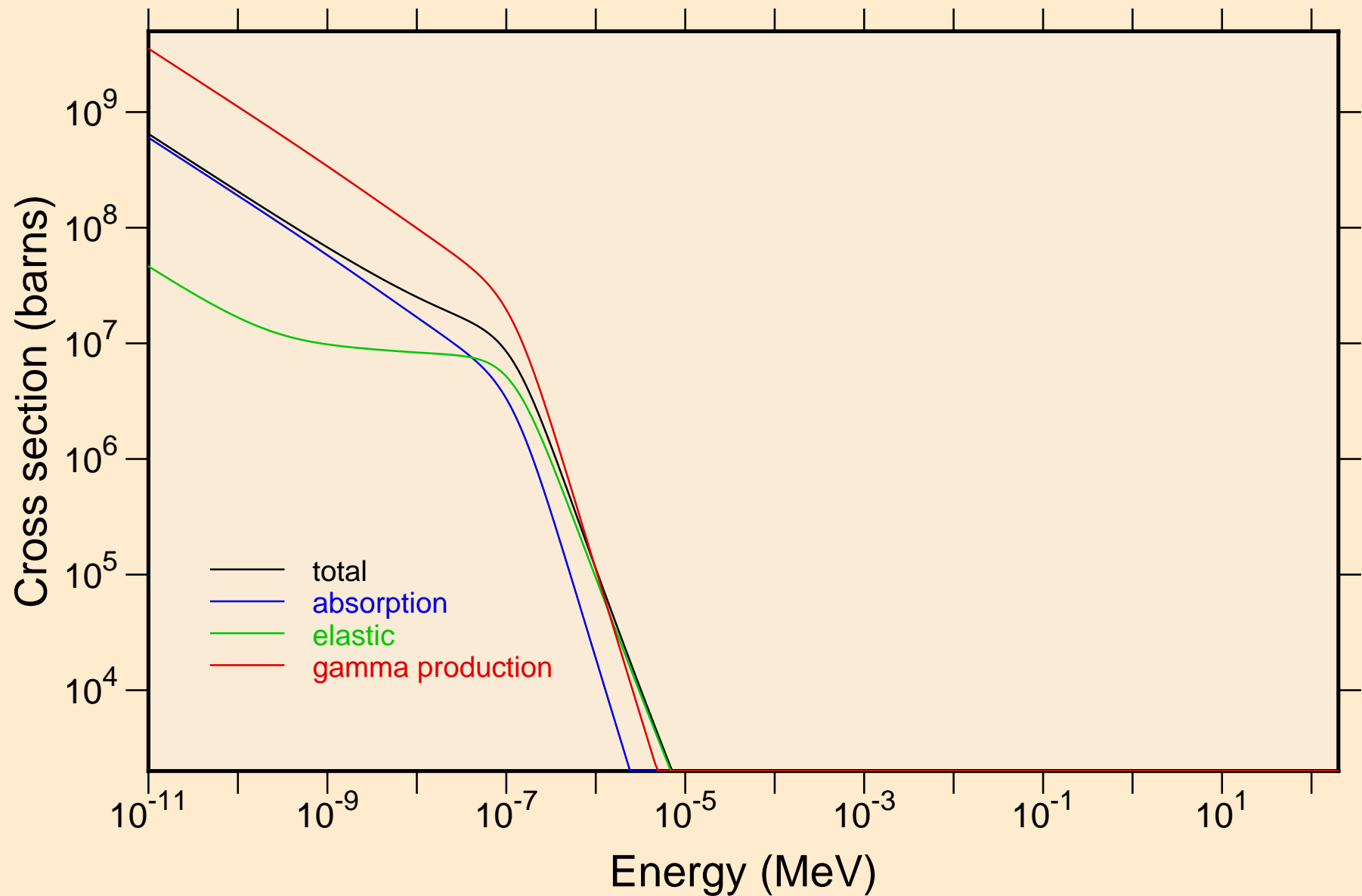
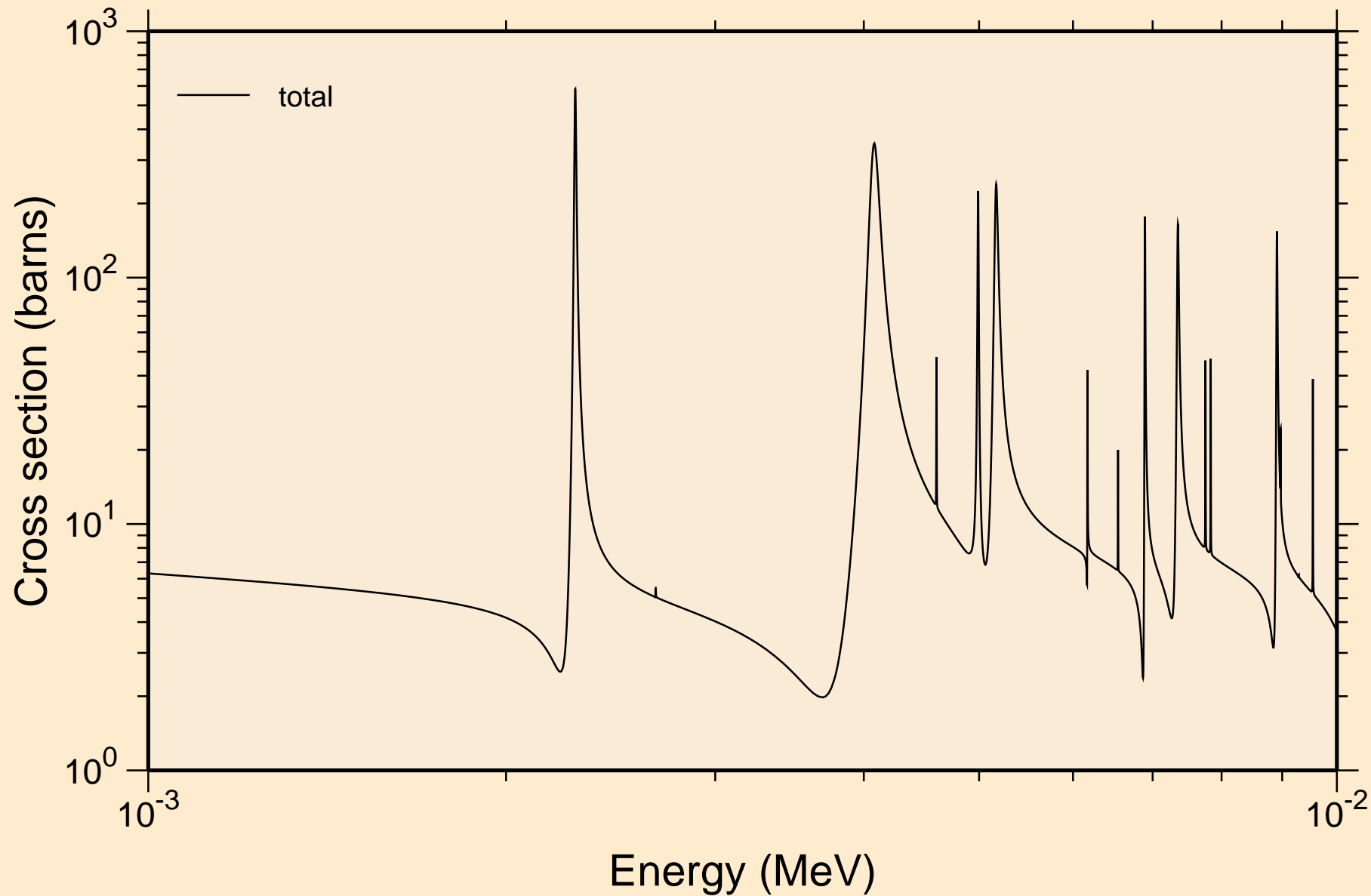


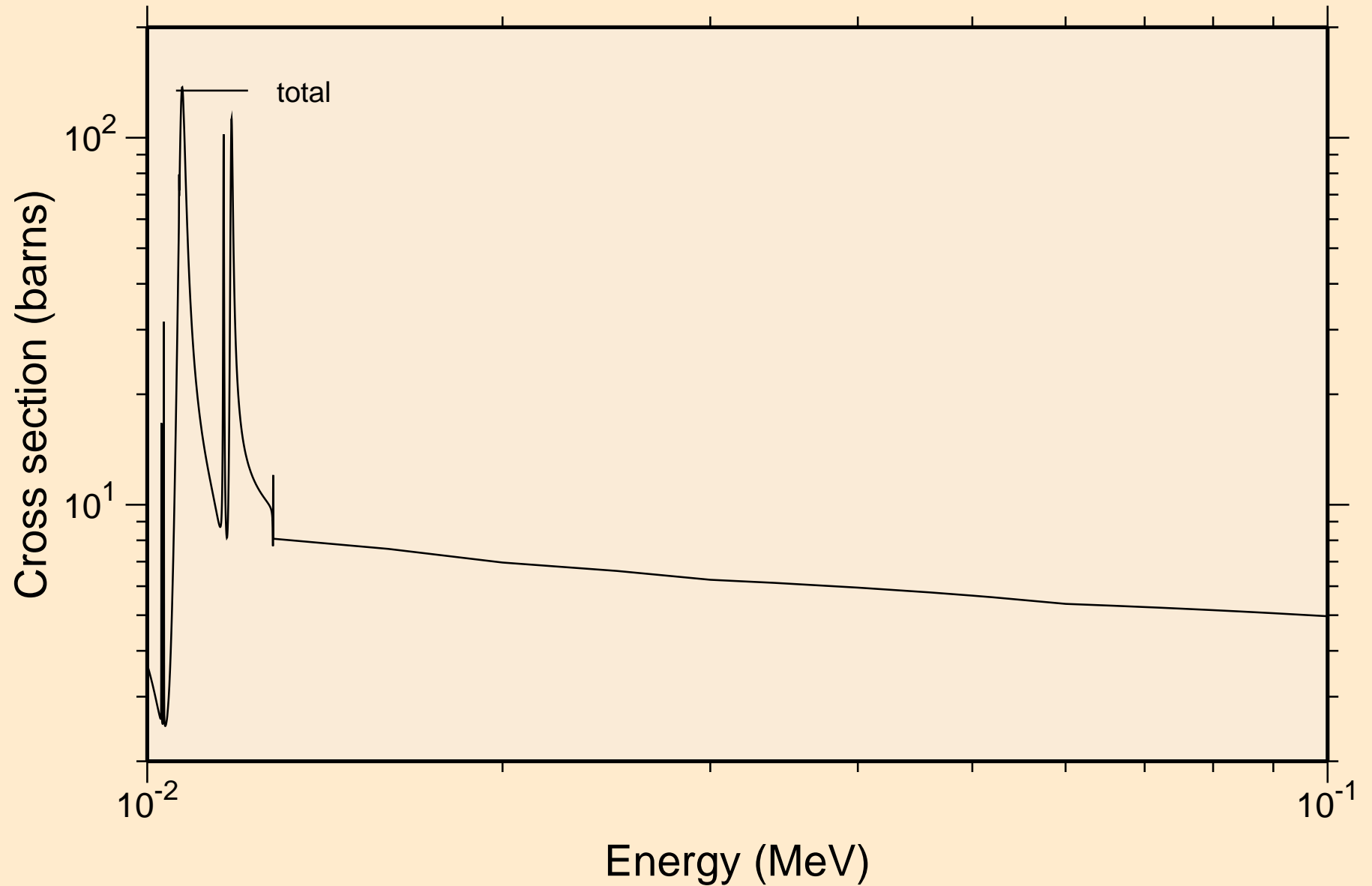
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Principal cross sections



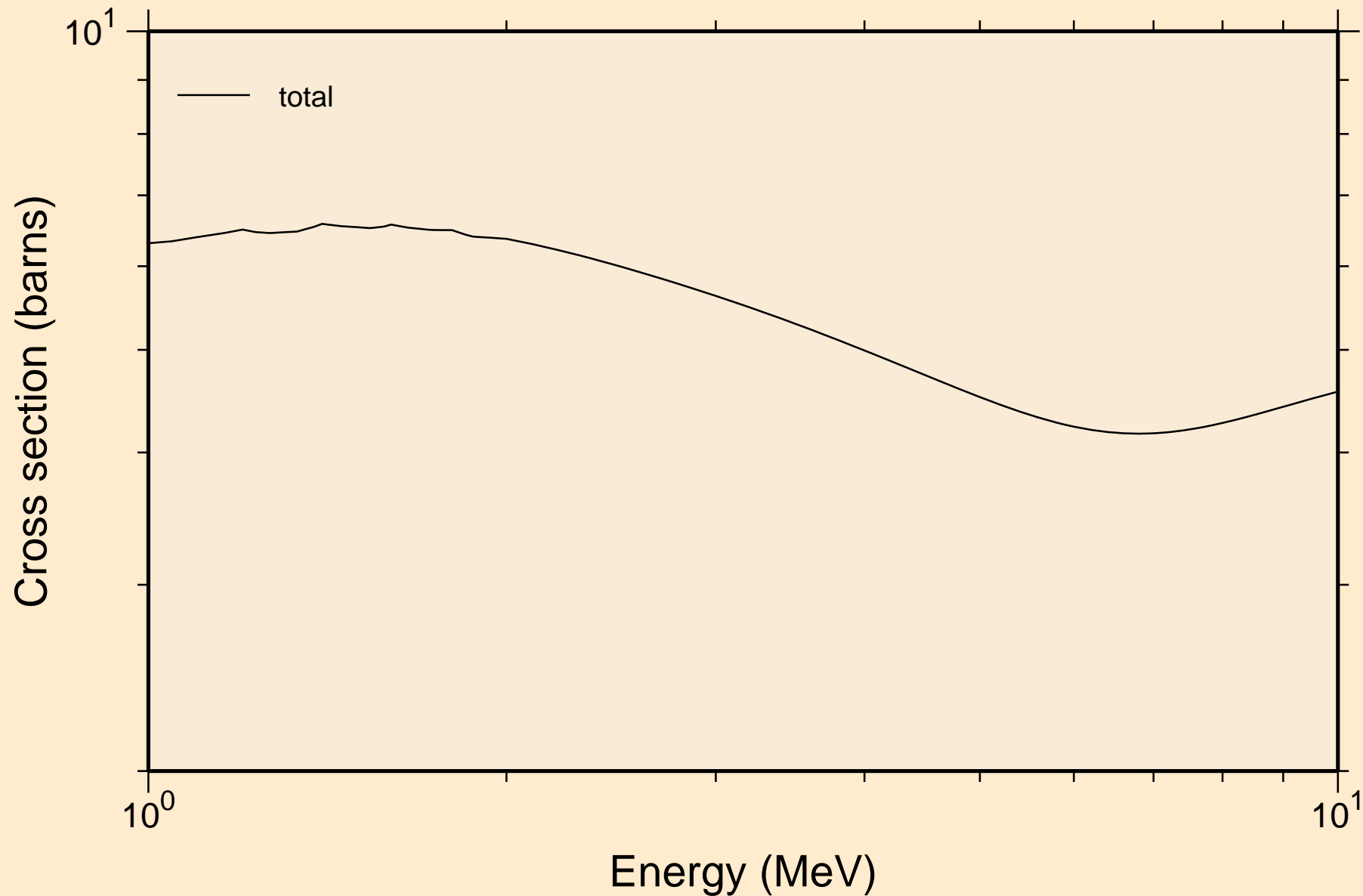
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



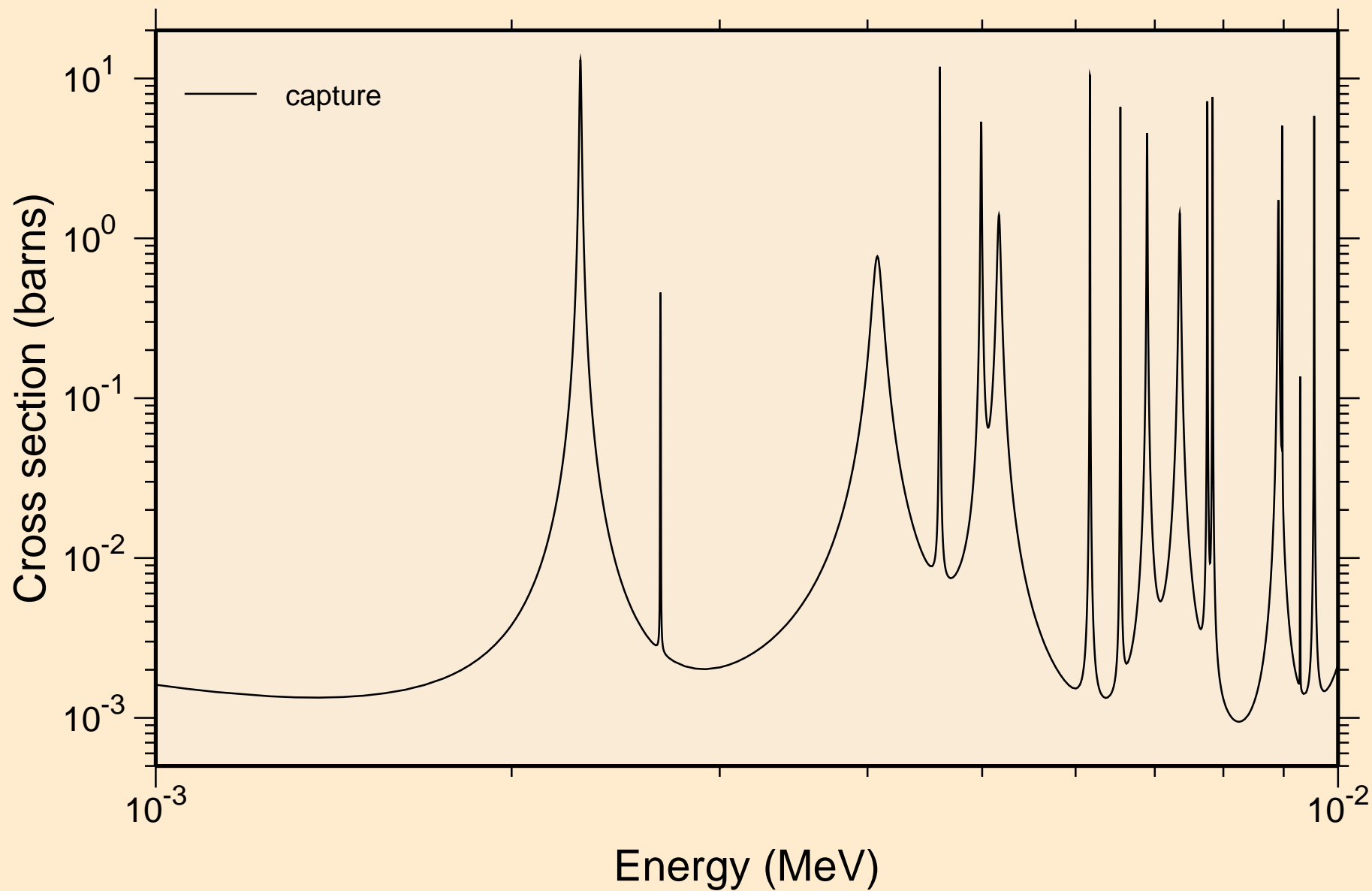
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



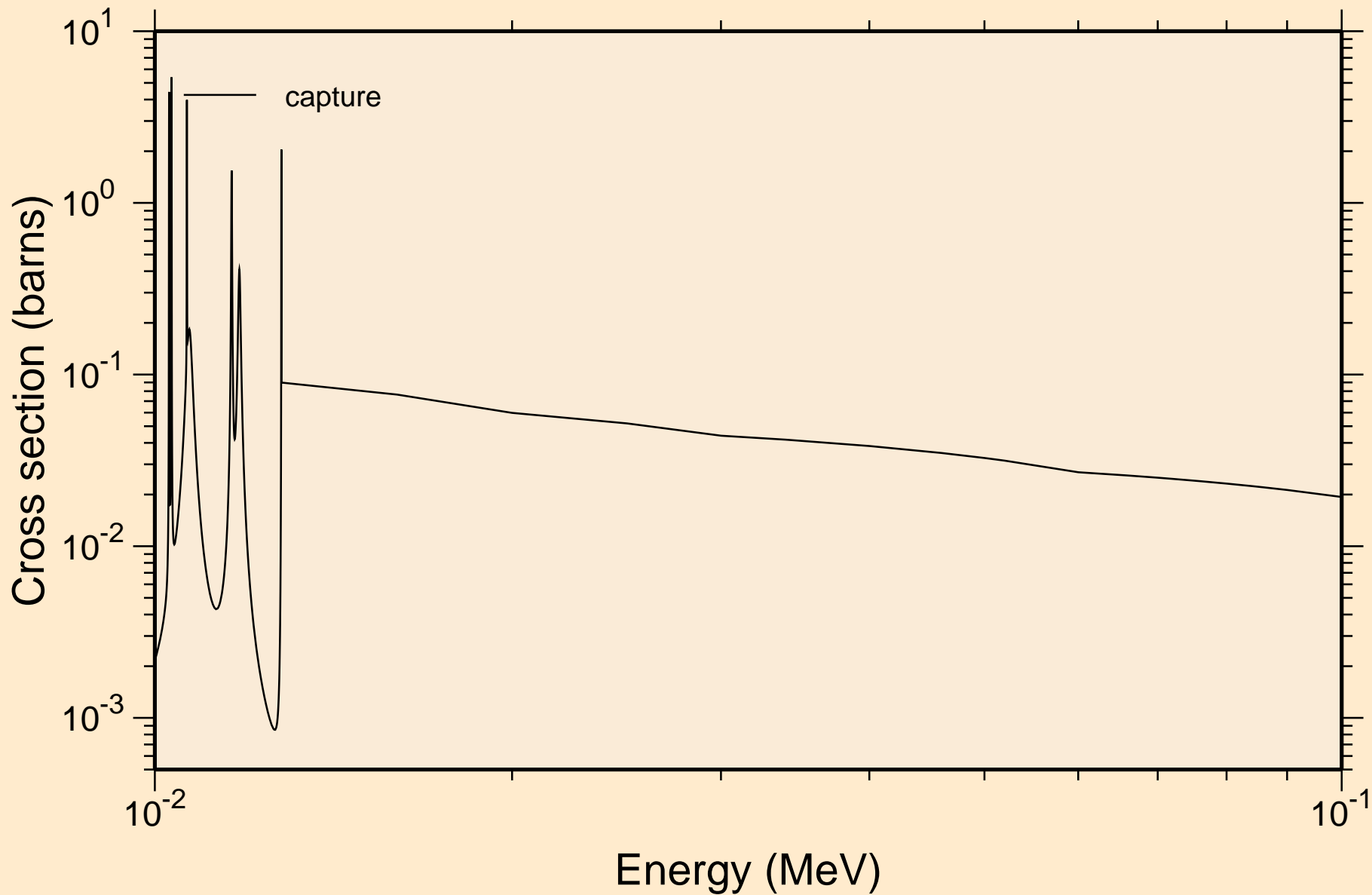
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



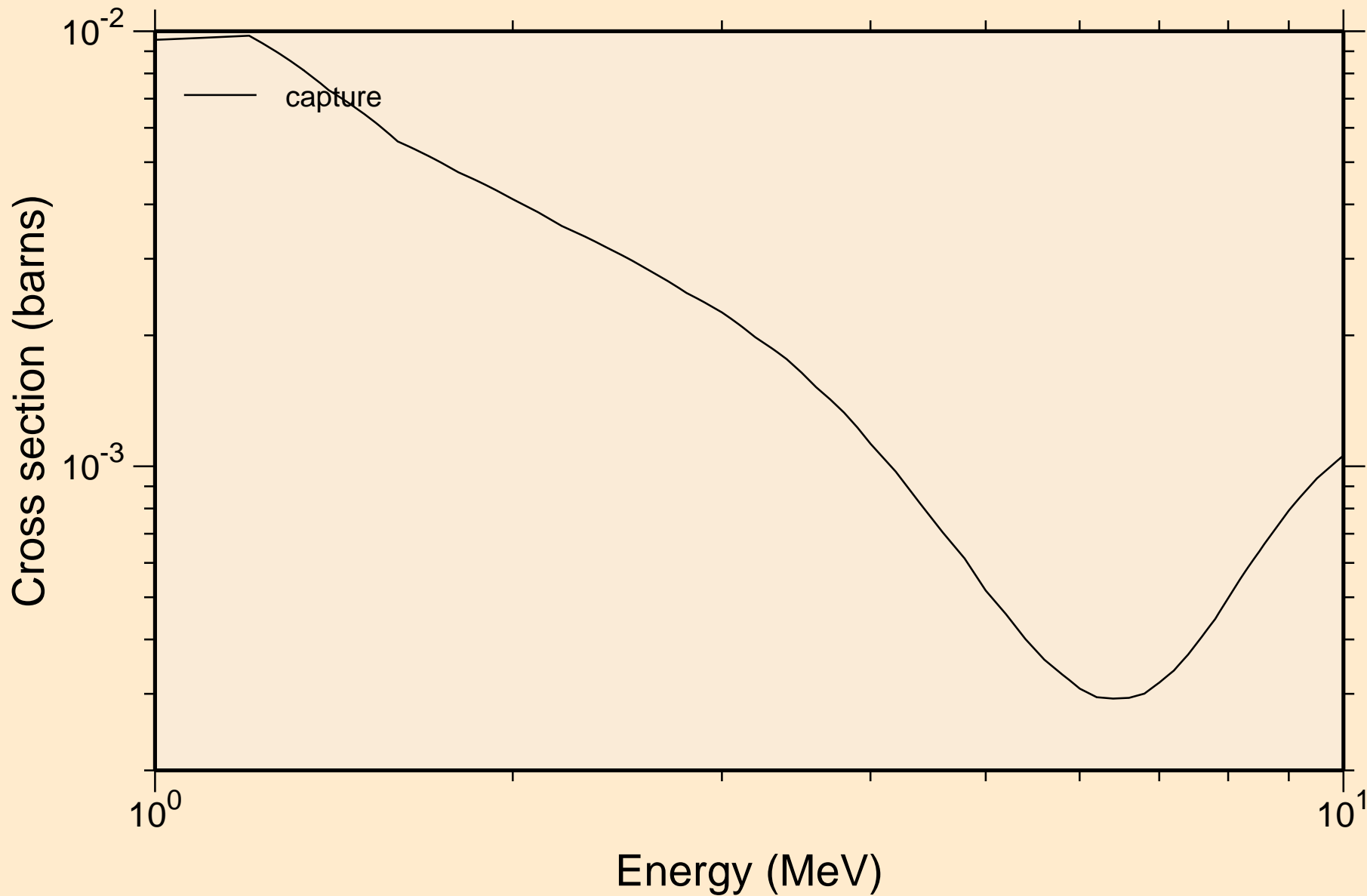
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections



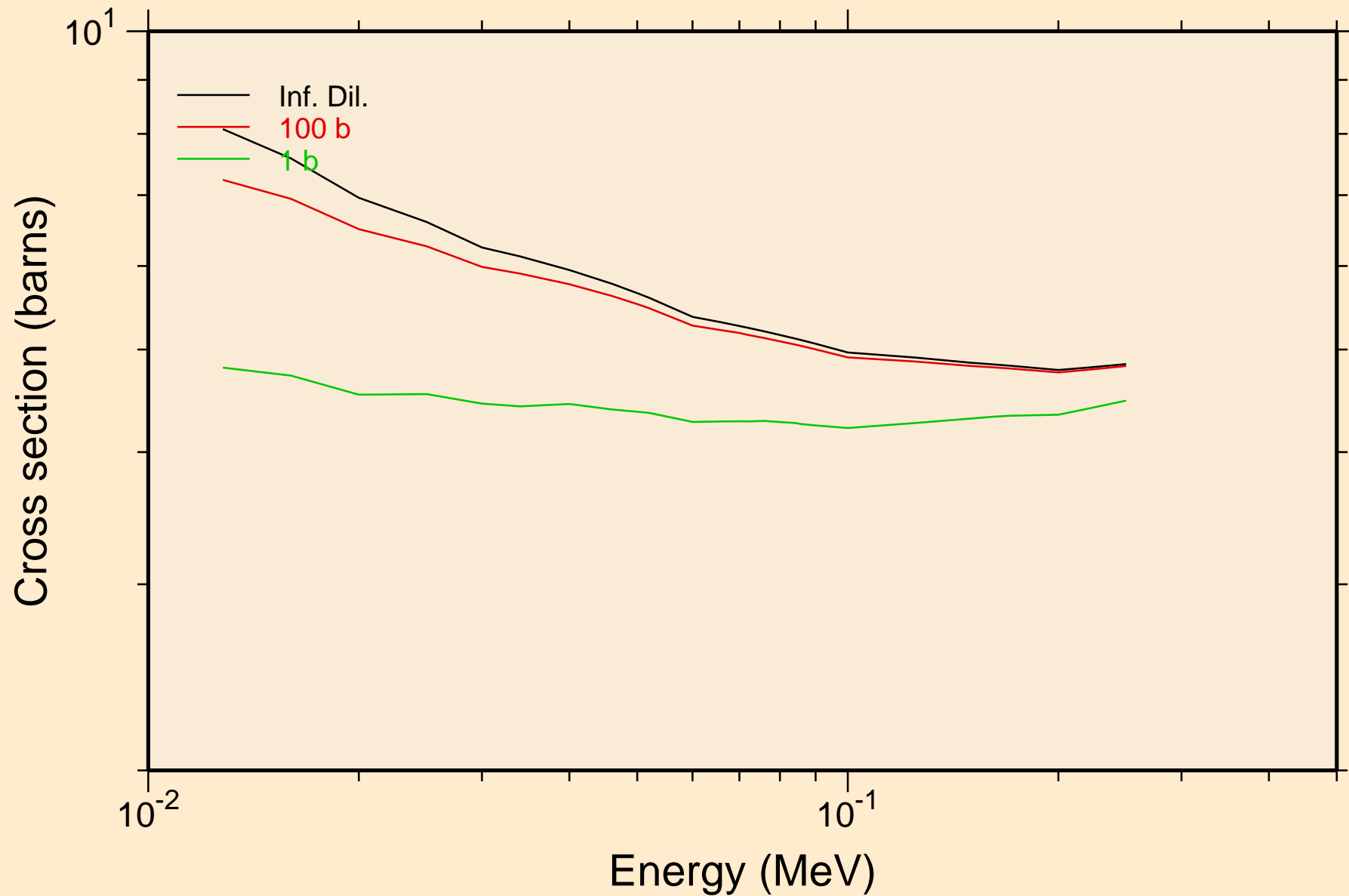
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections

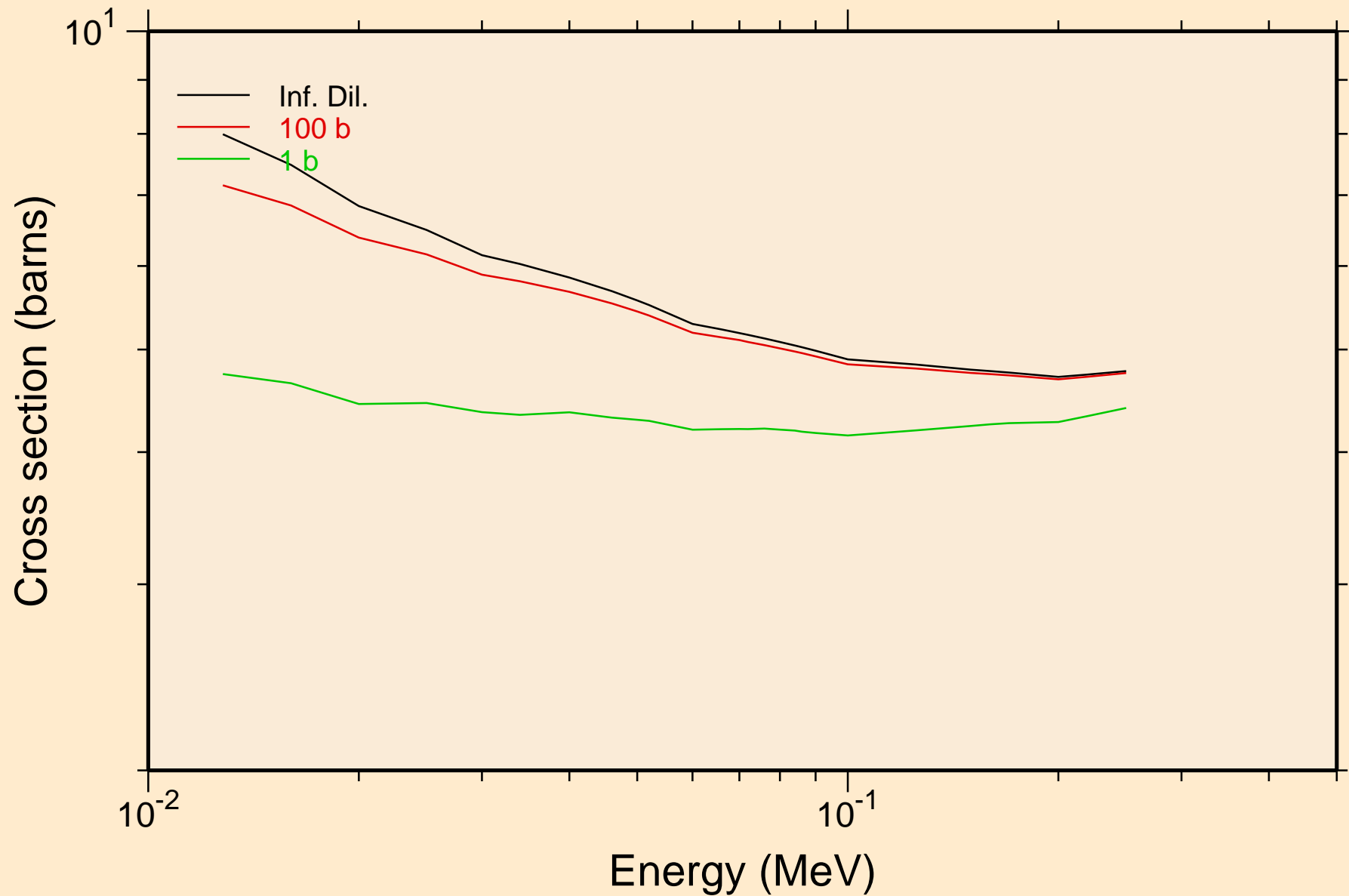


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
UR total cross section

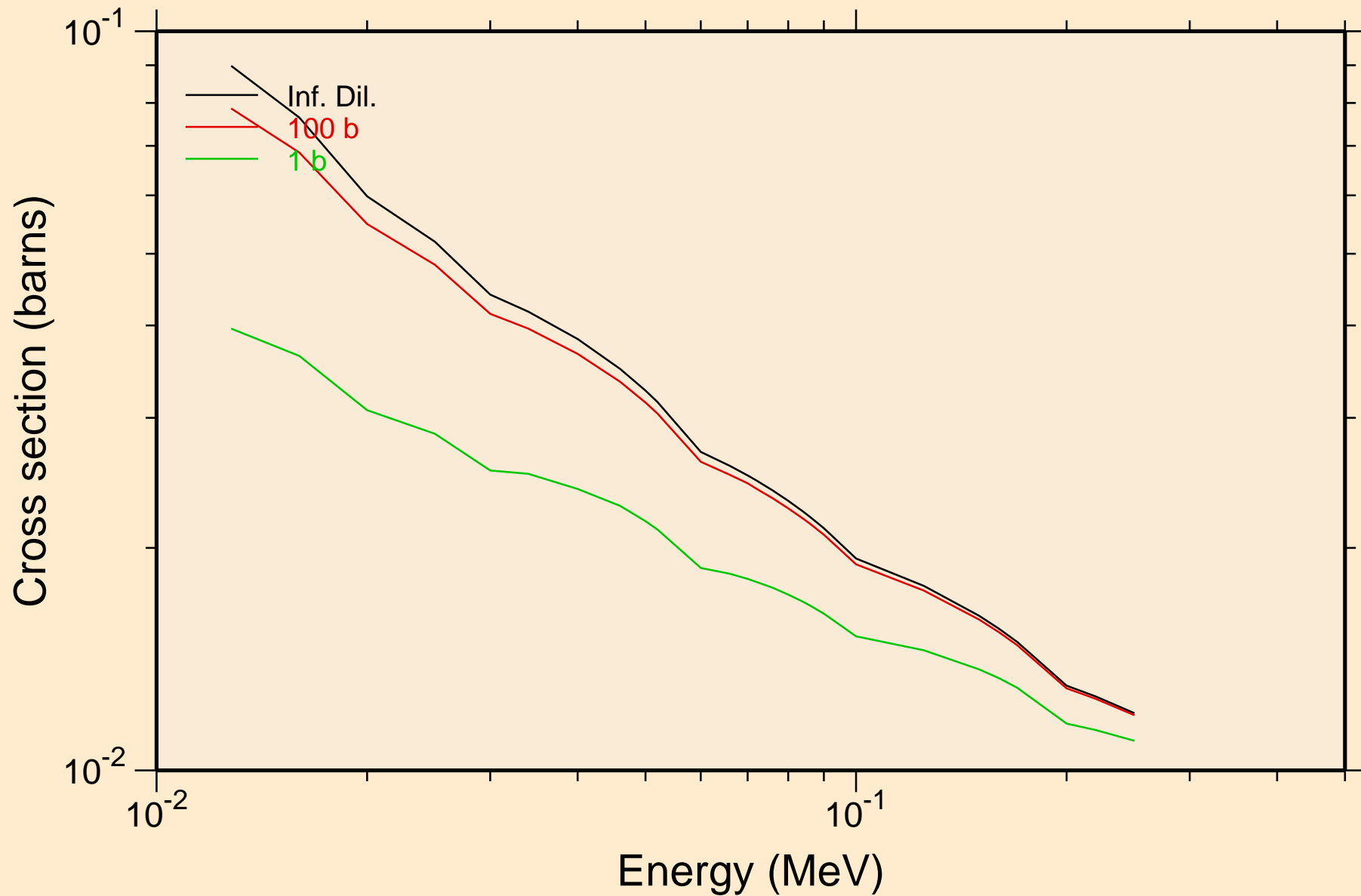




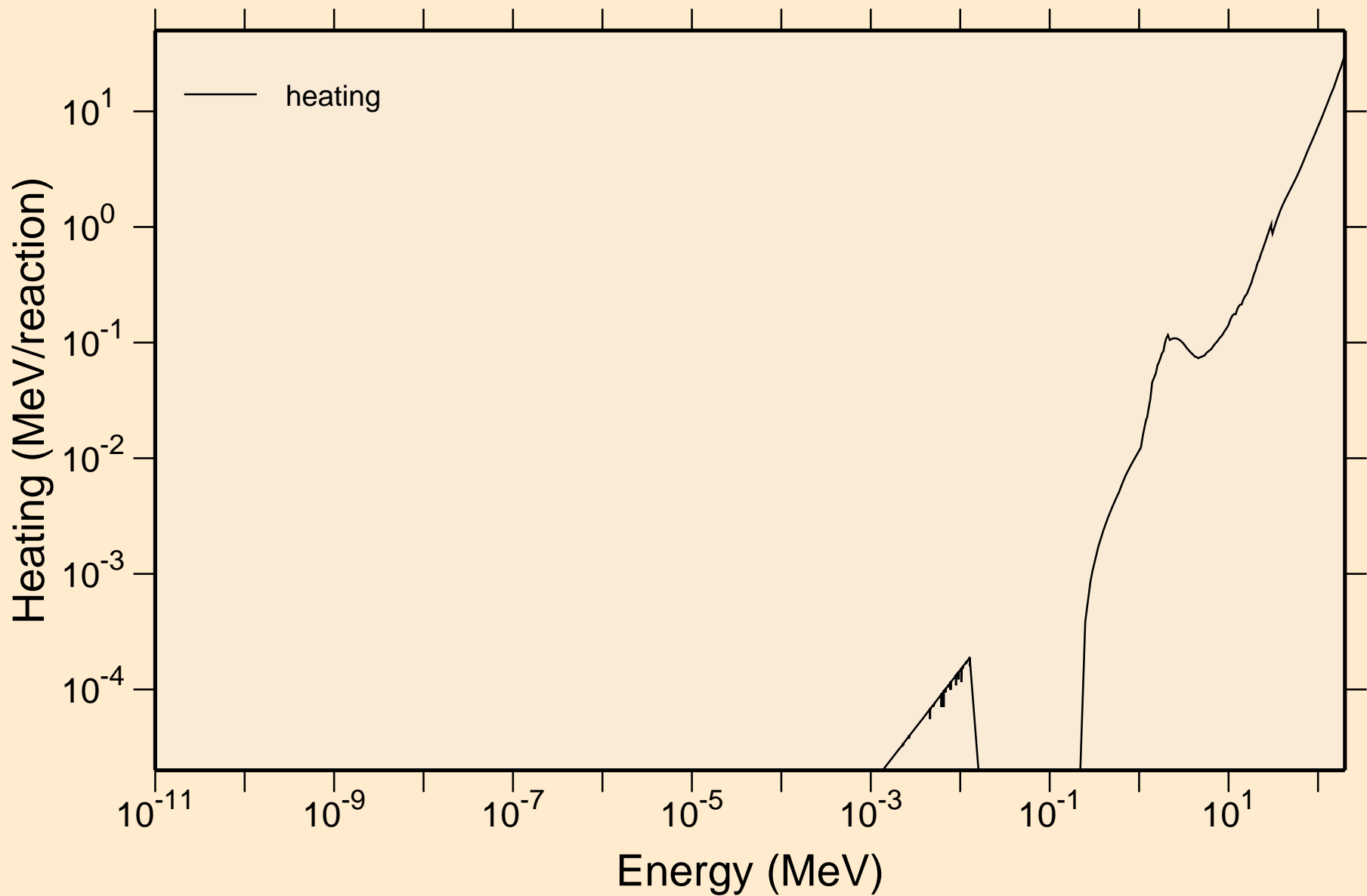
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
UR elastic cross section



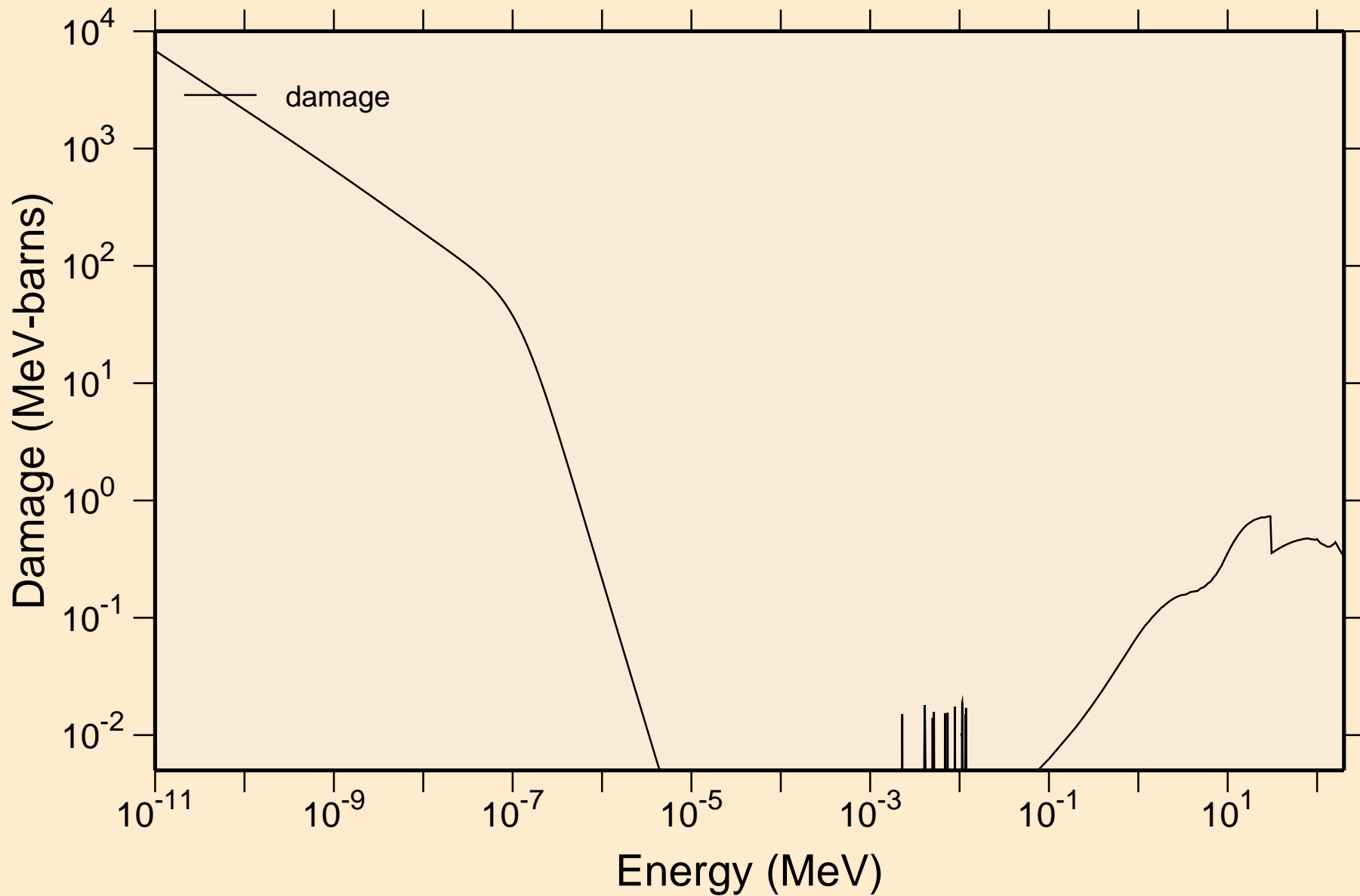
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
UR capture cross section



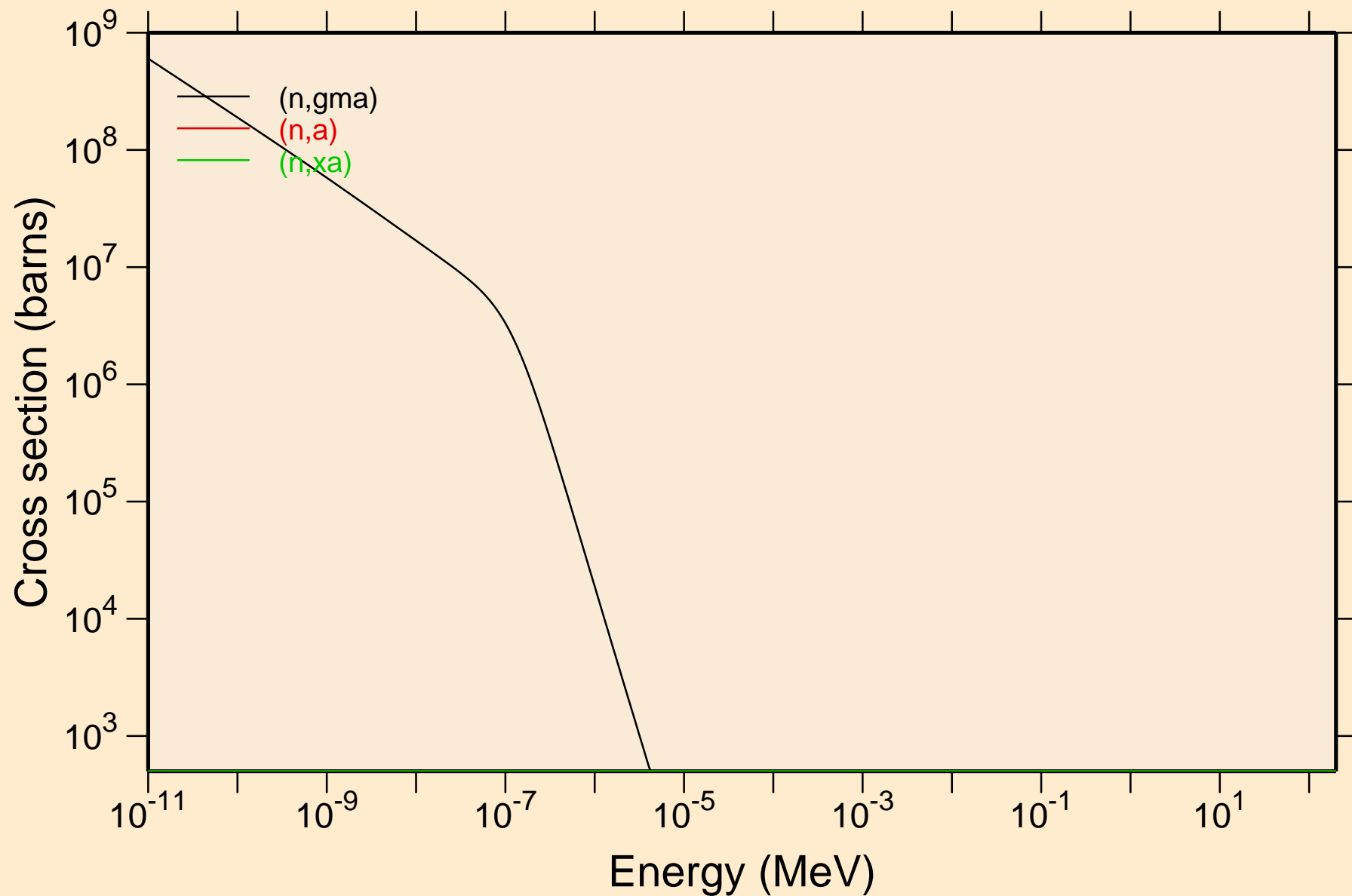
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



# MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC Damage

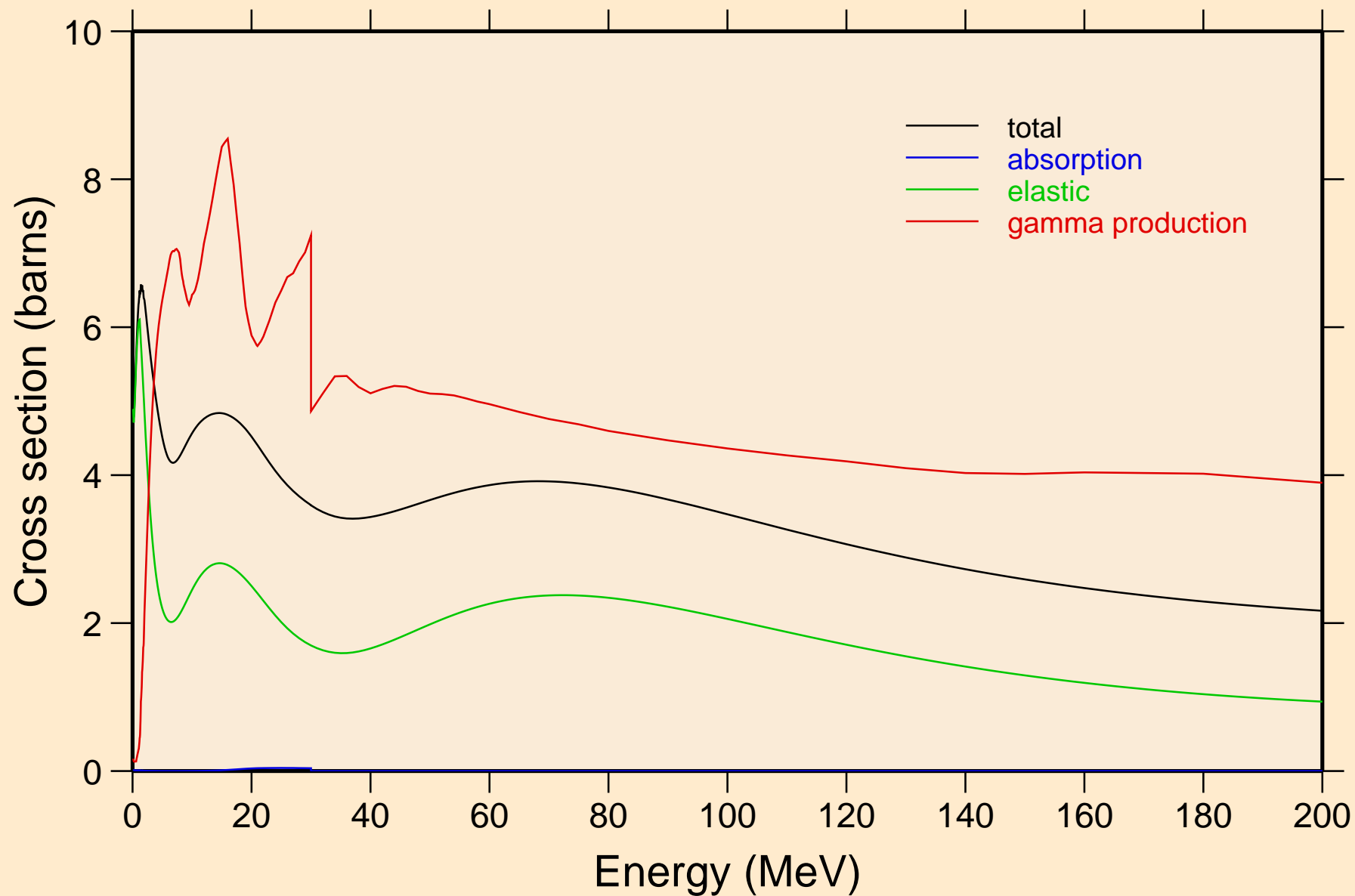


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions

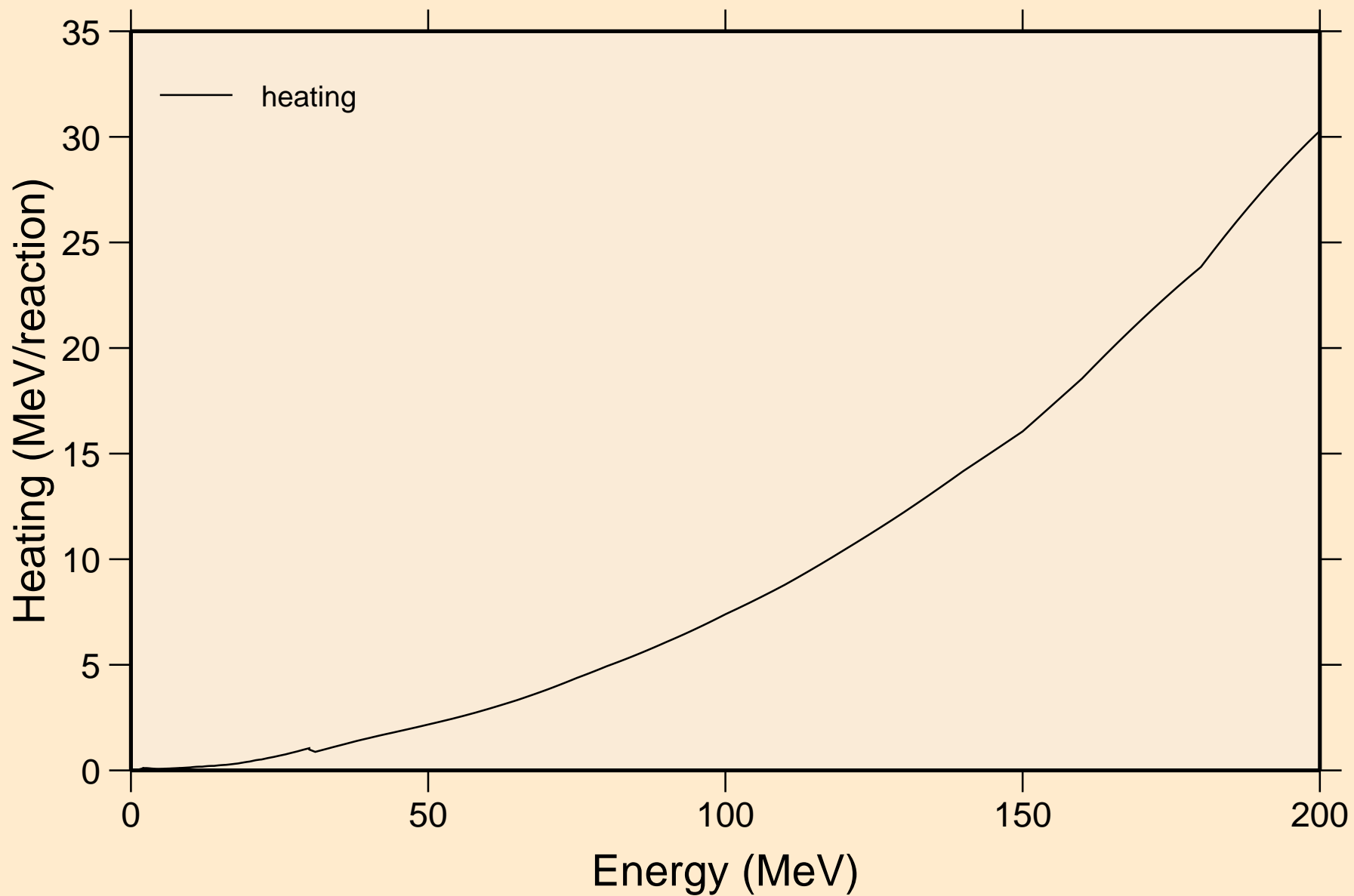


# MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC

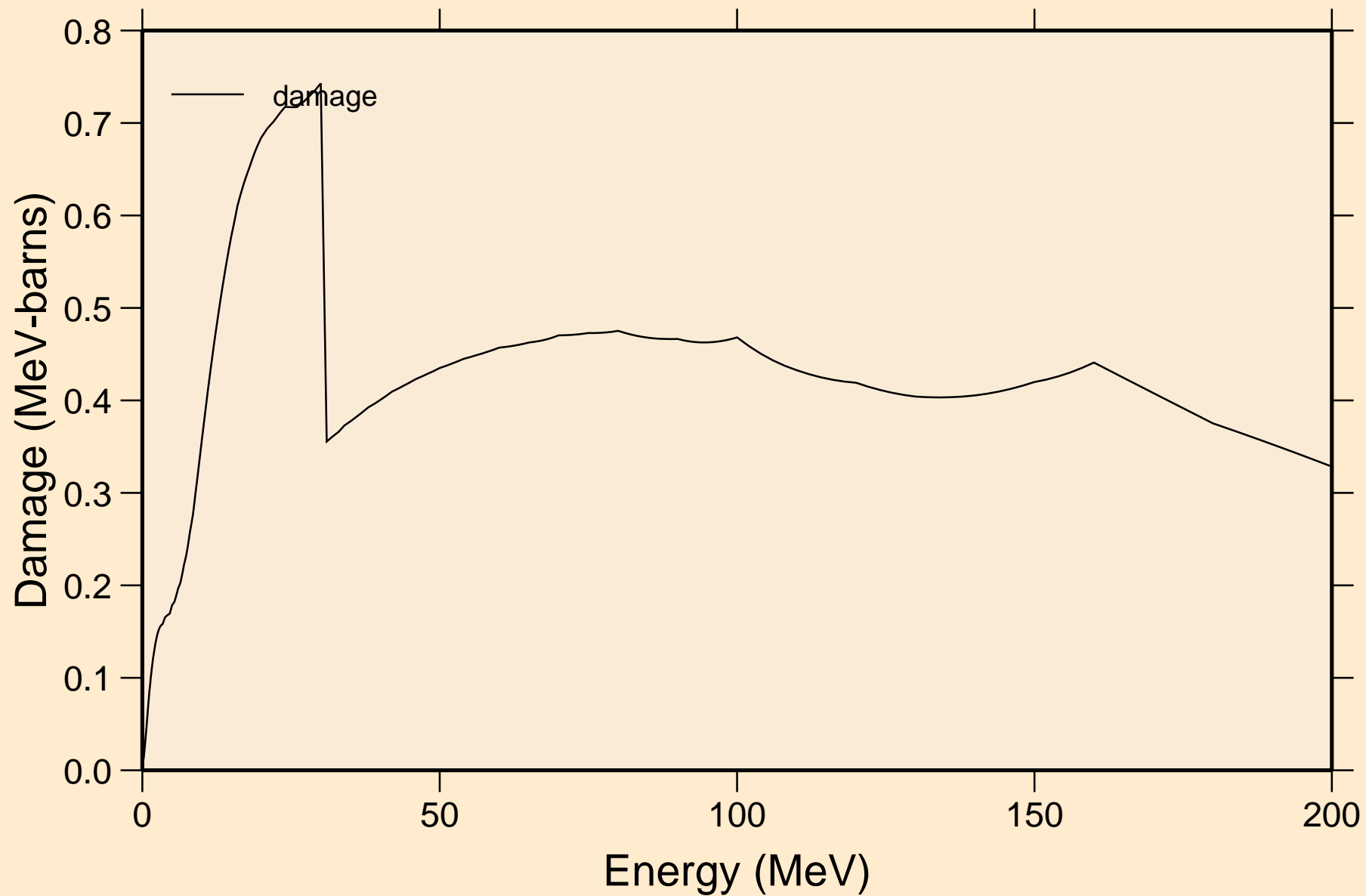
## Principal cross sections



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating

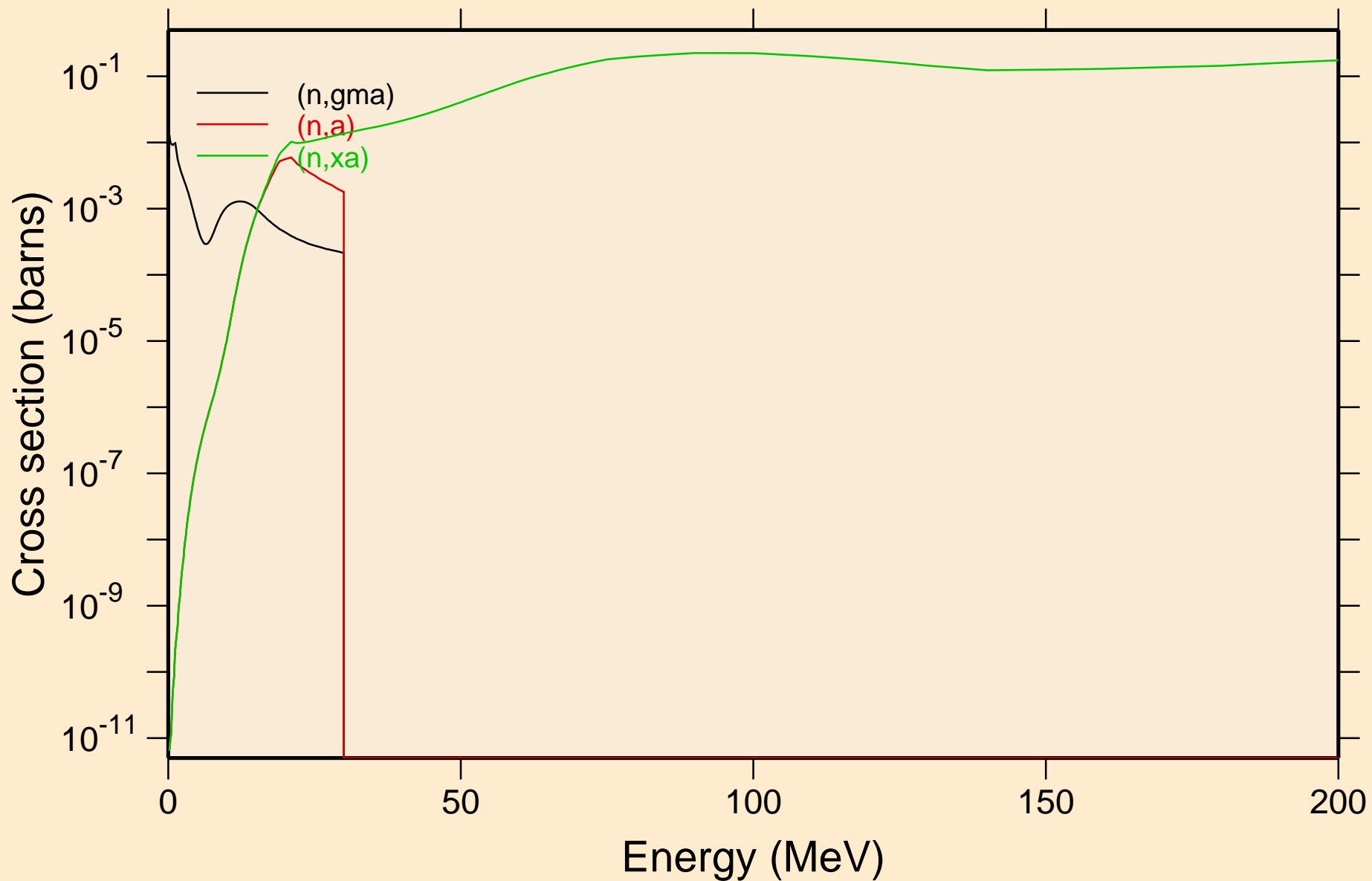


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage

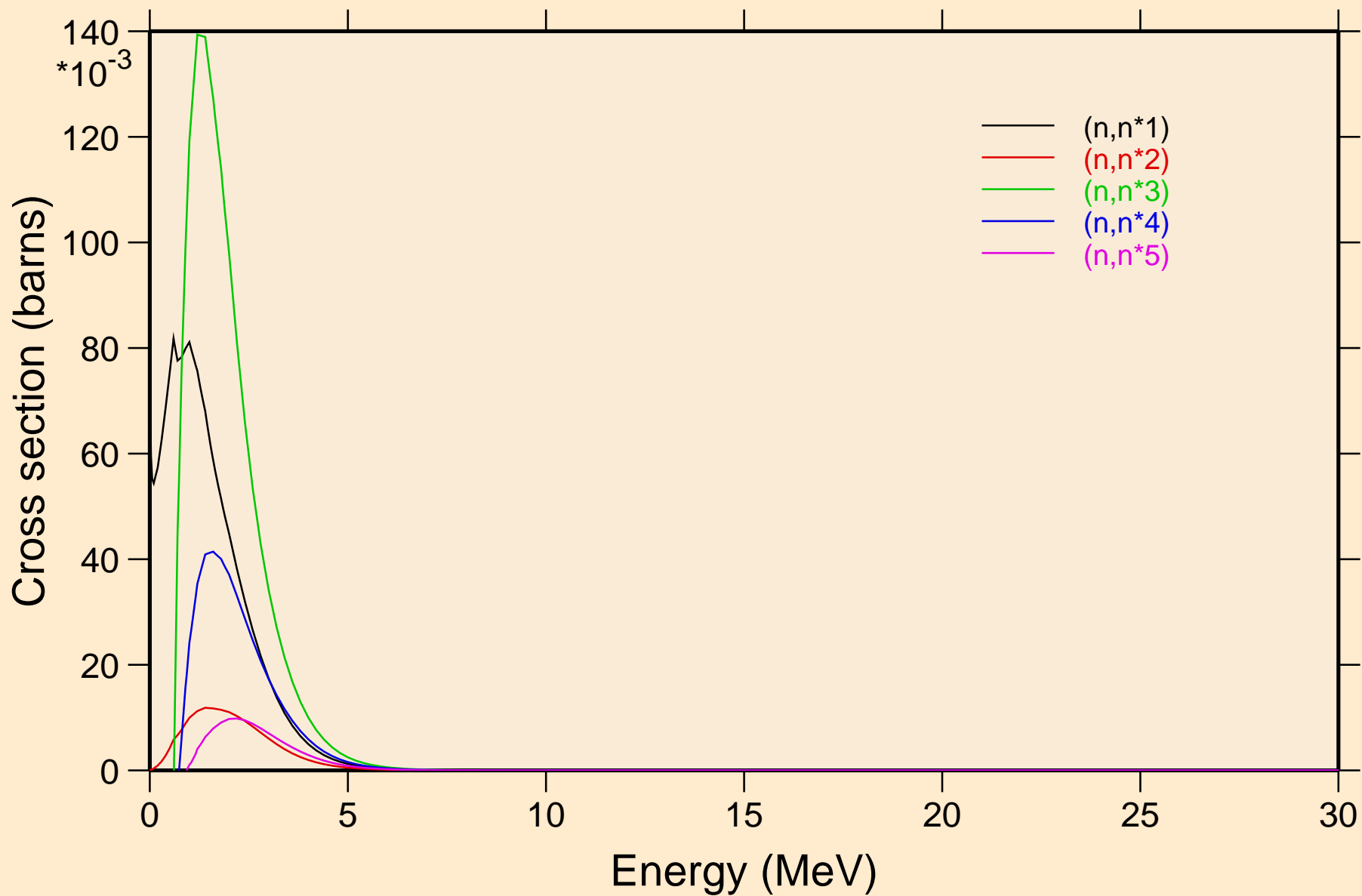




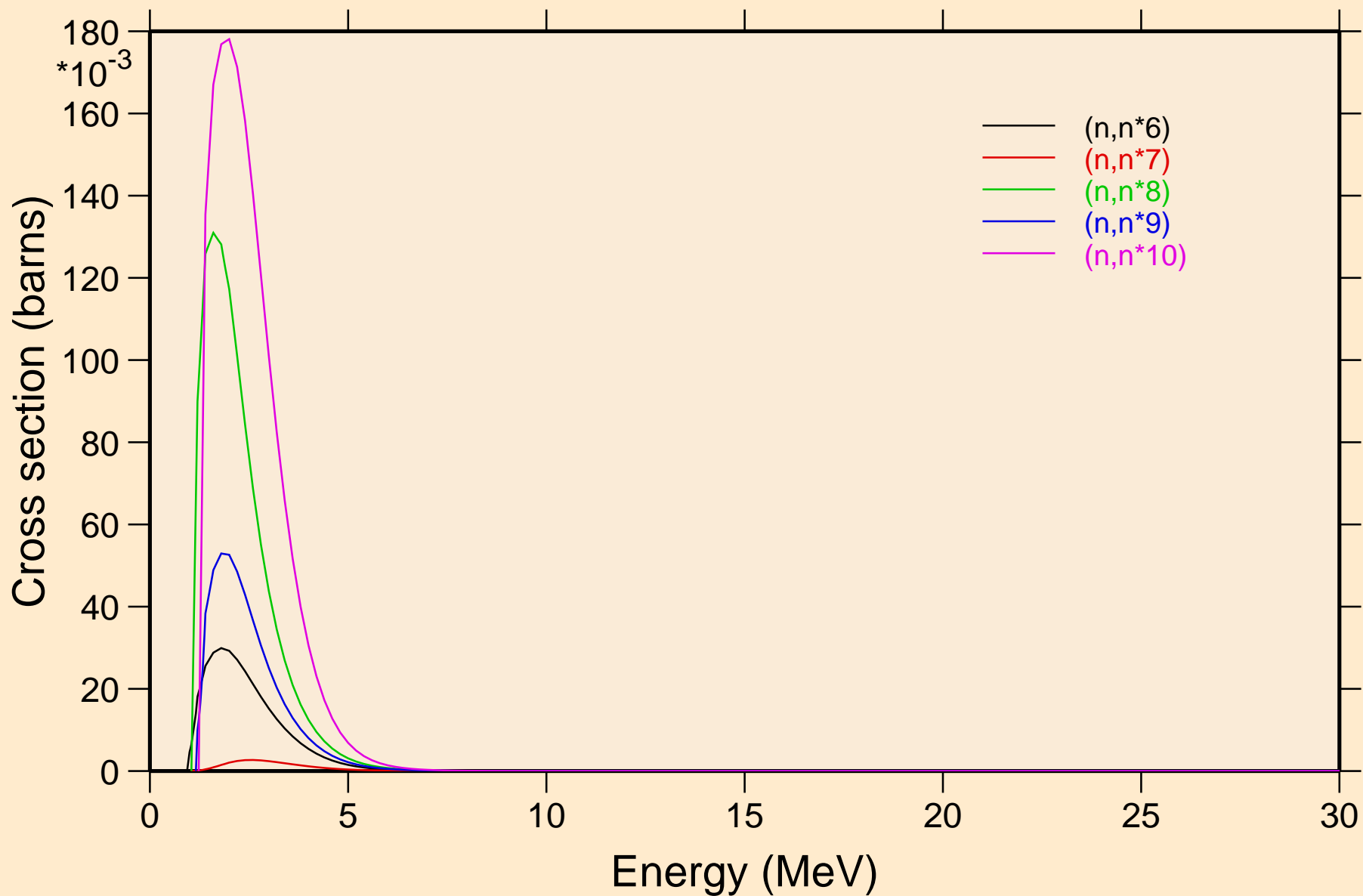
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions



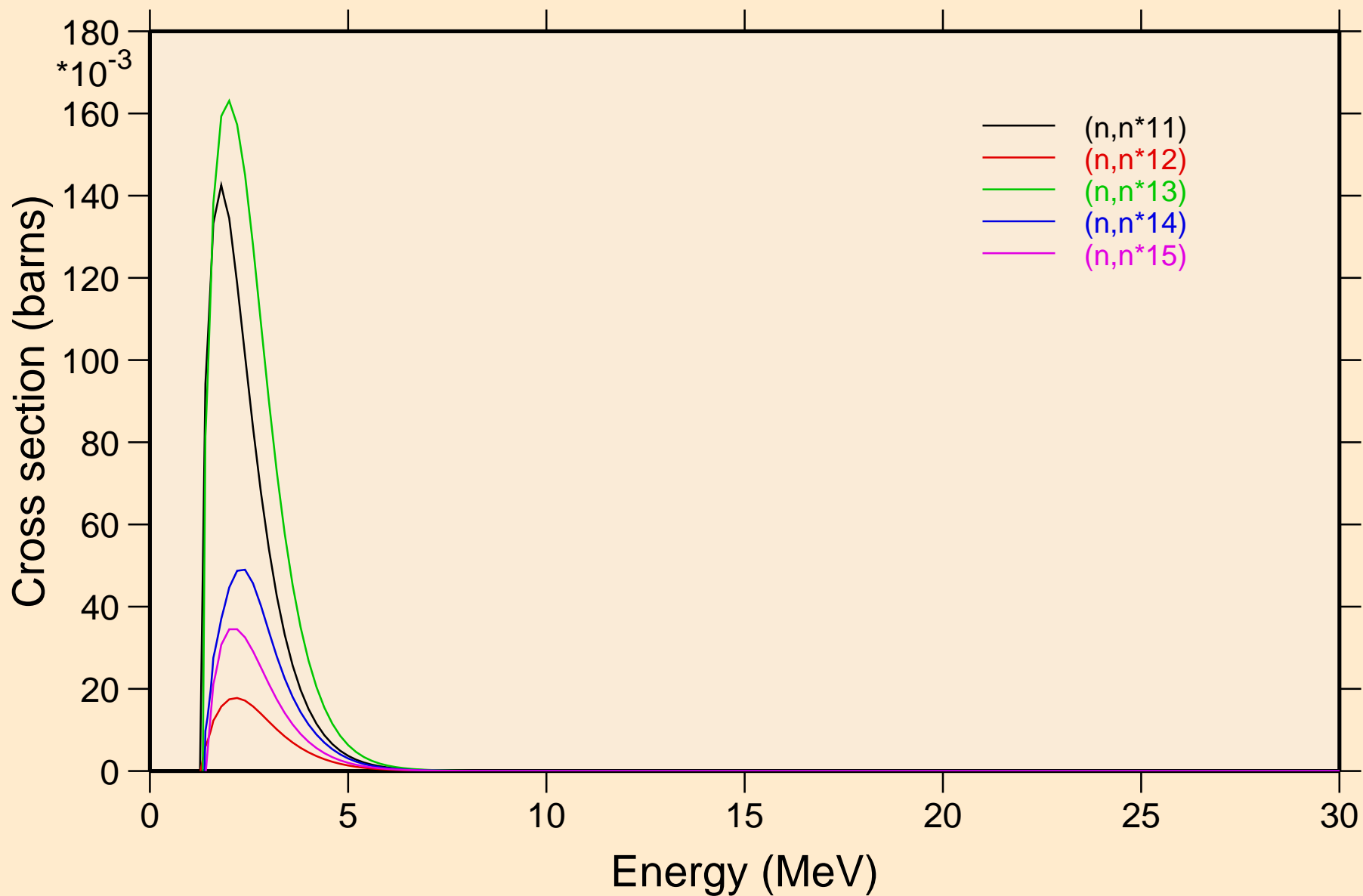
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



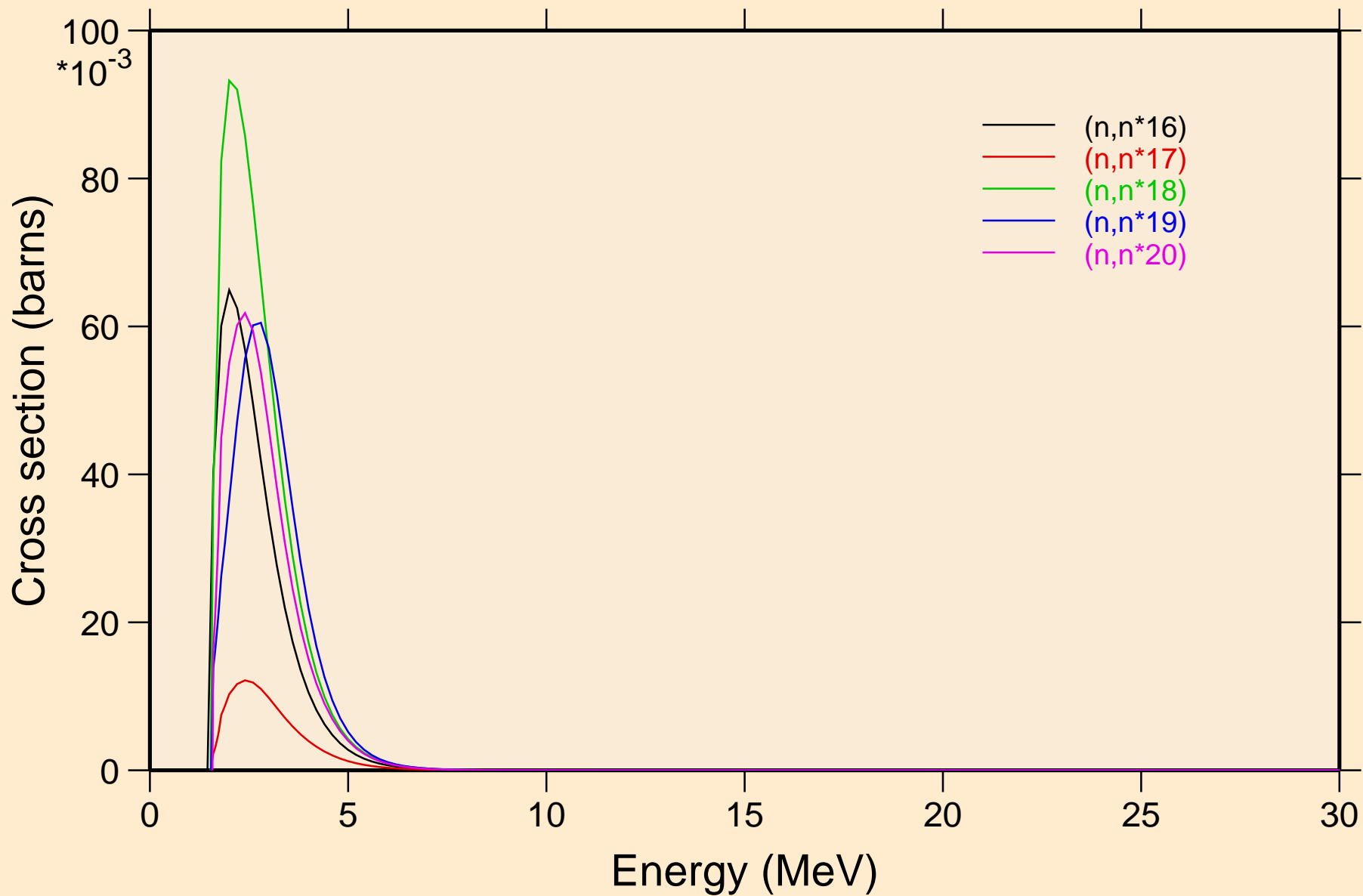
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



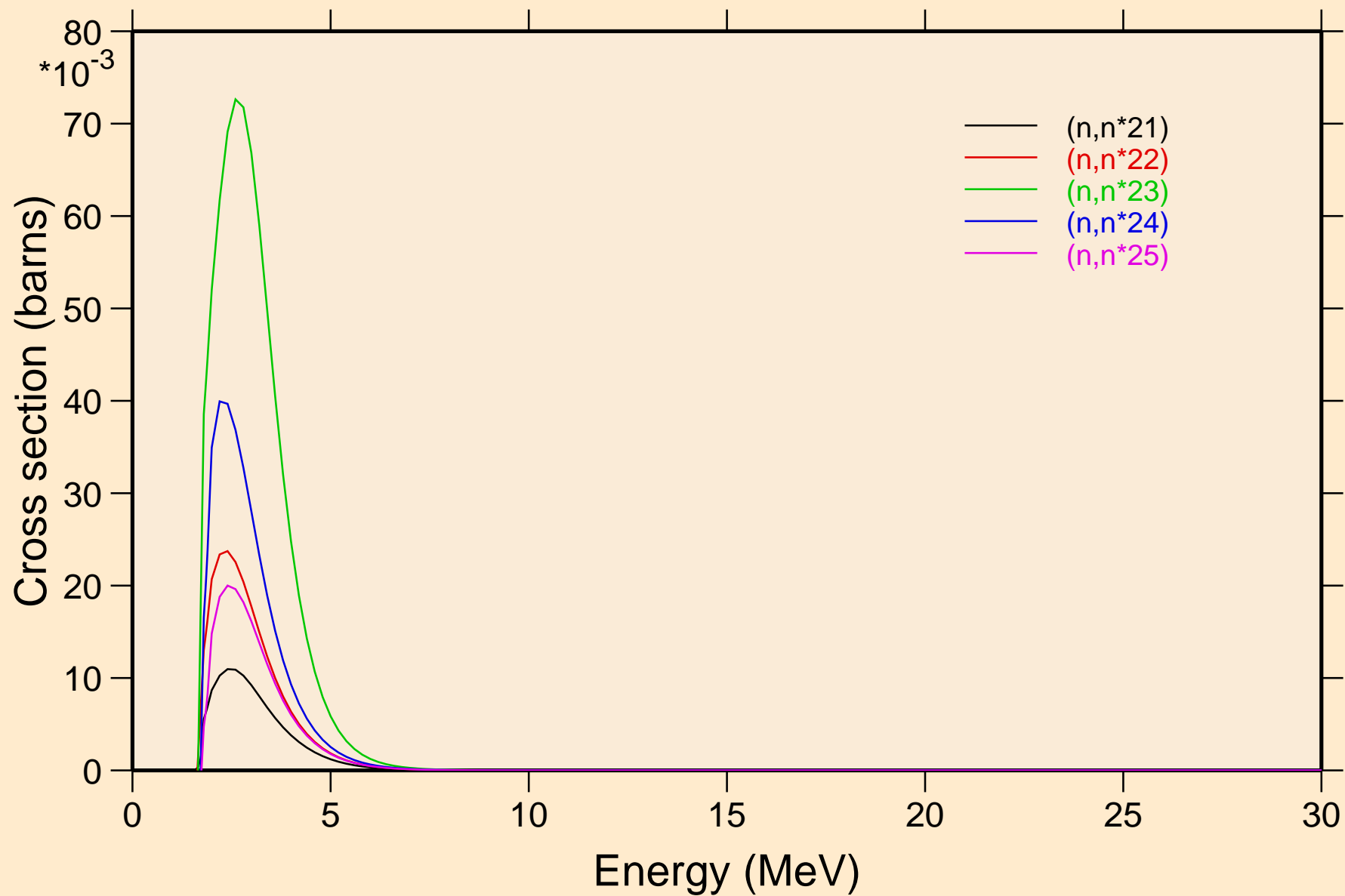
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



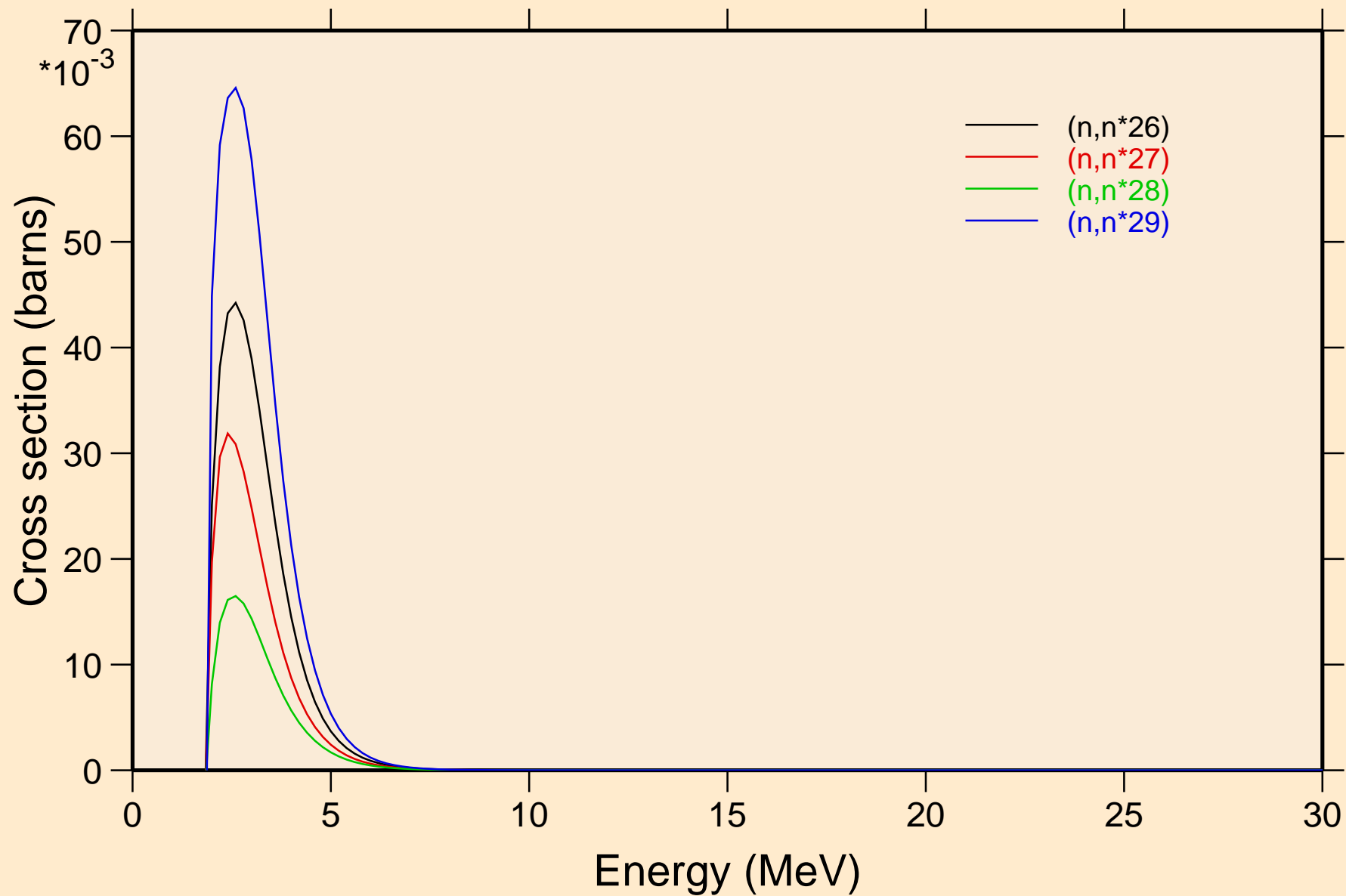
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



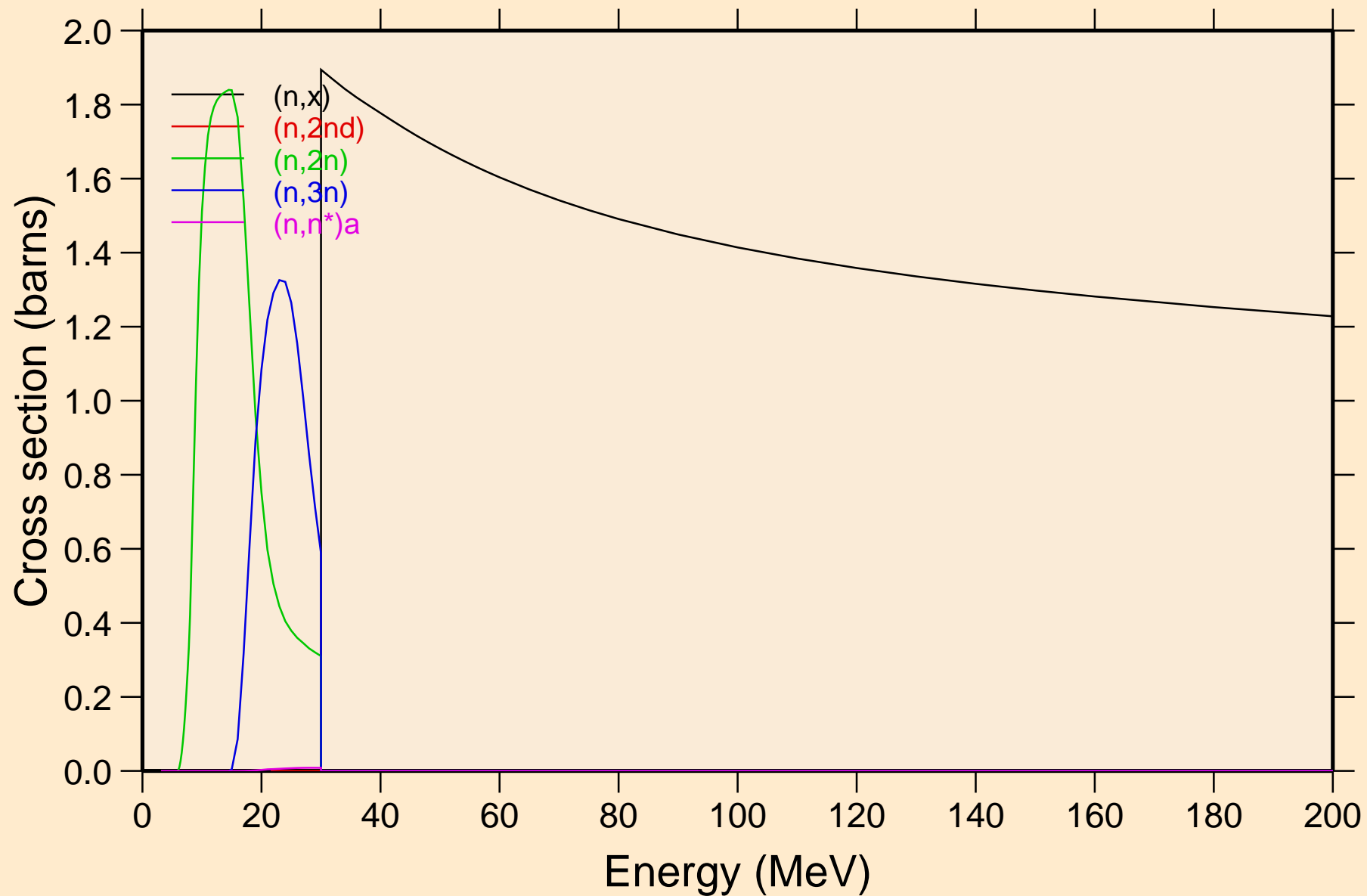
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

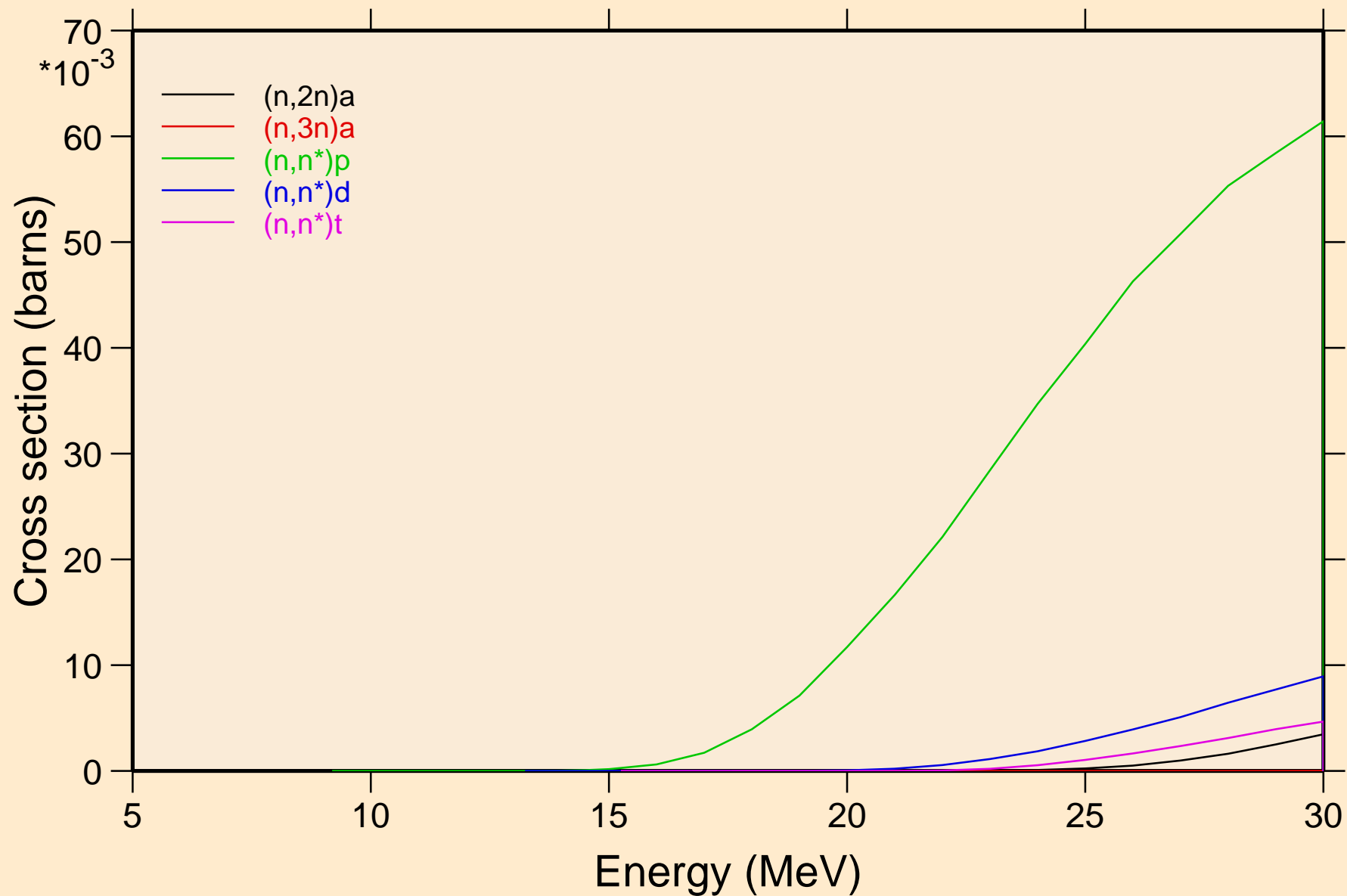


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions

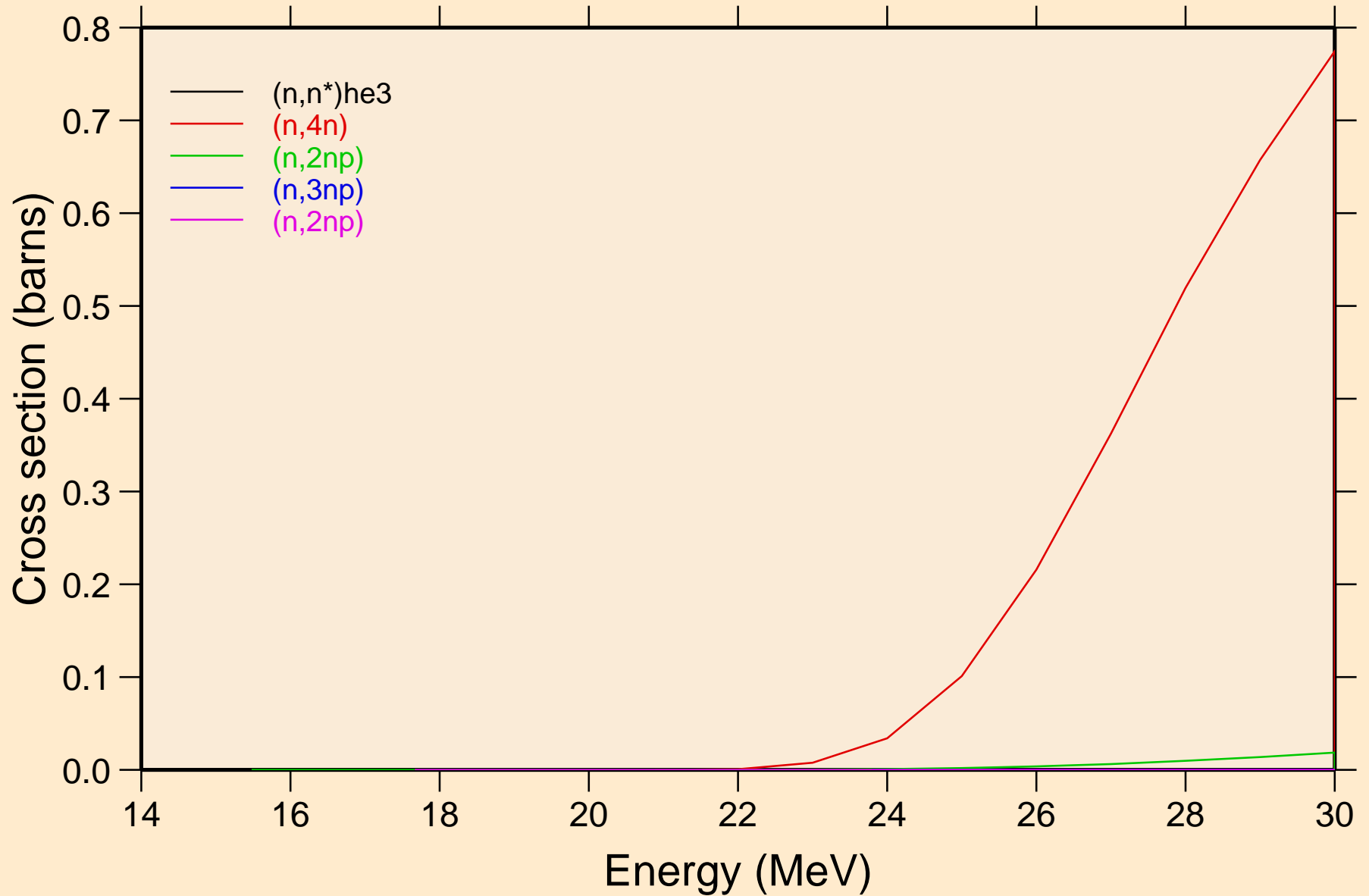




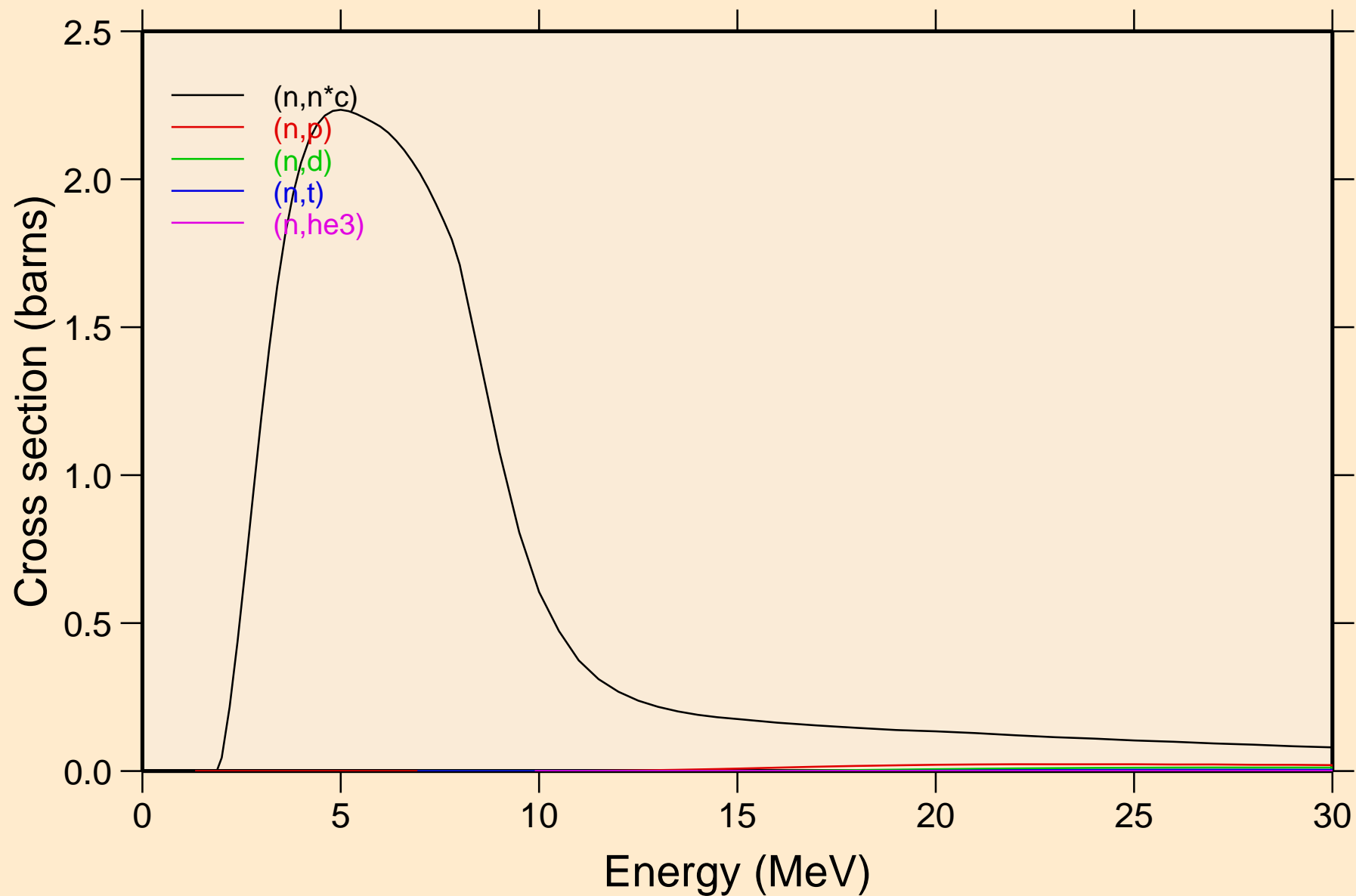
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



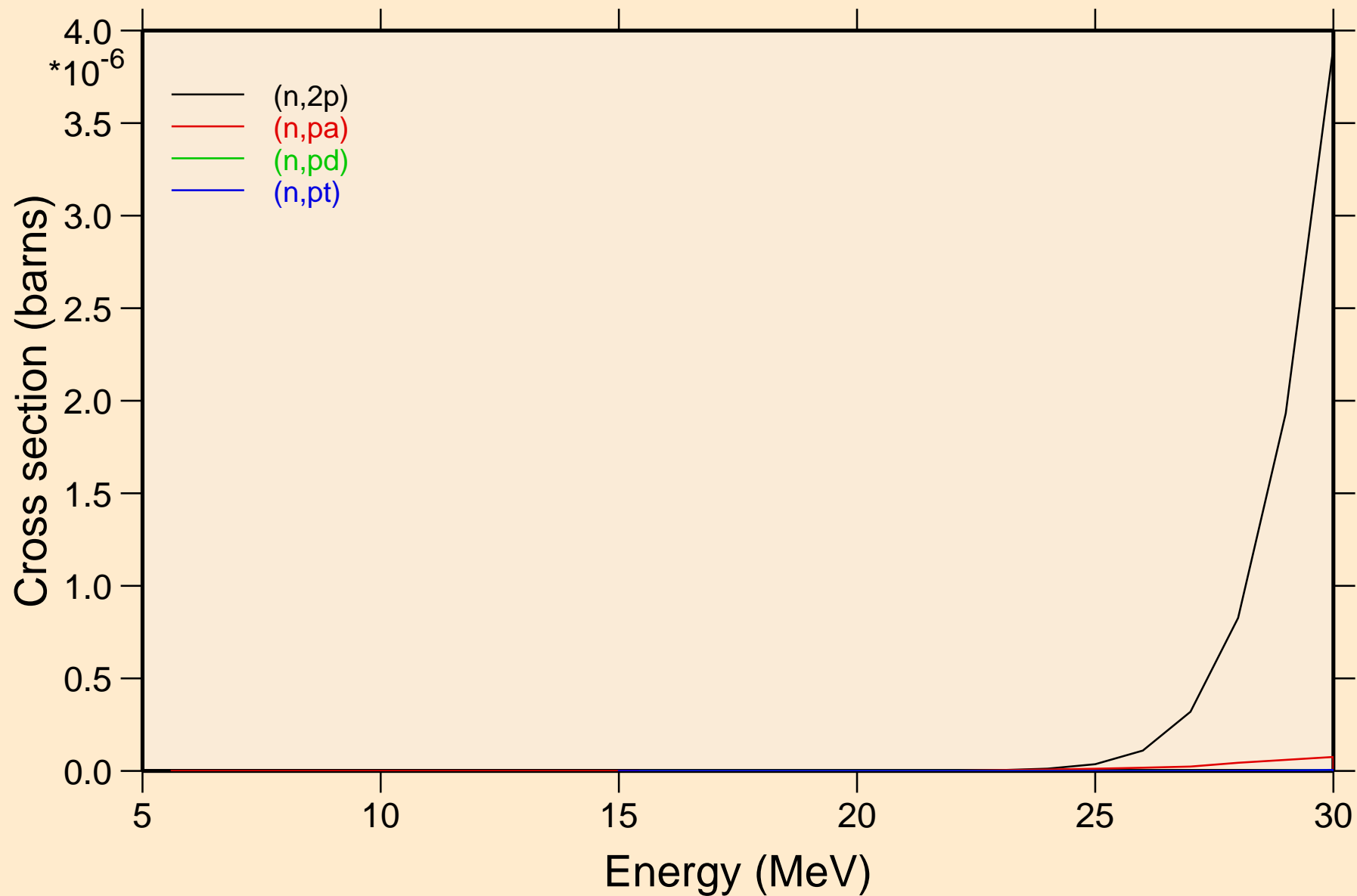
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



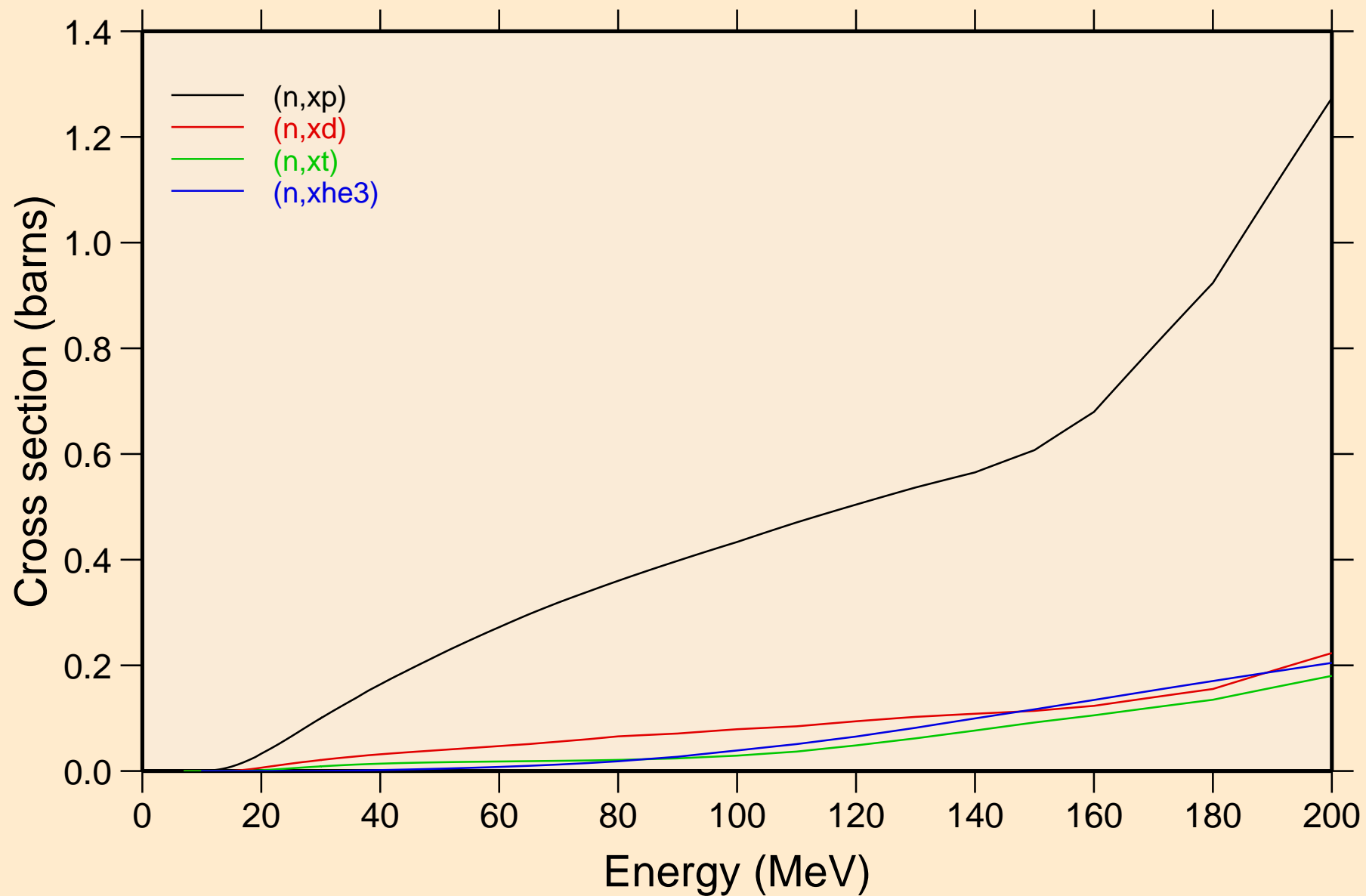
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



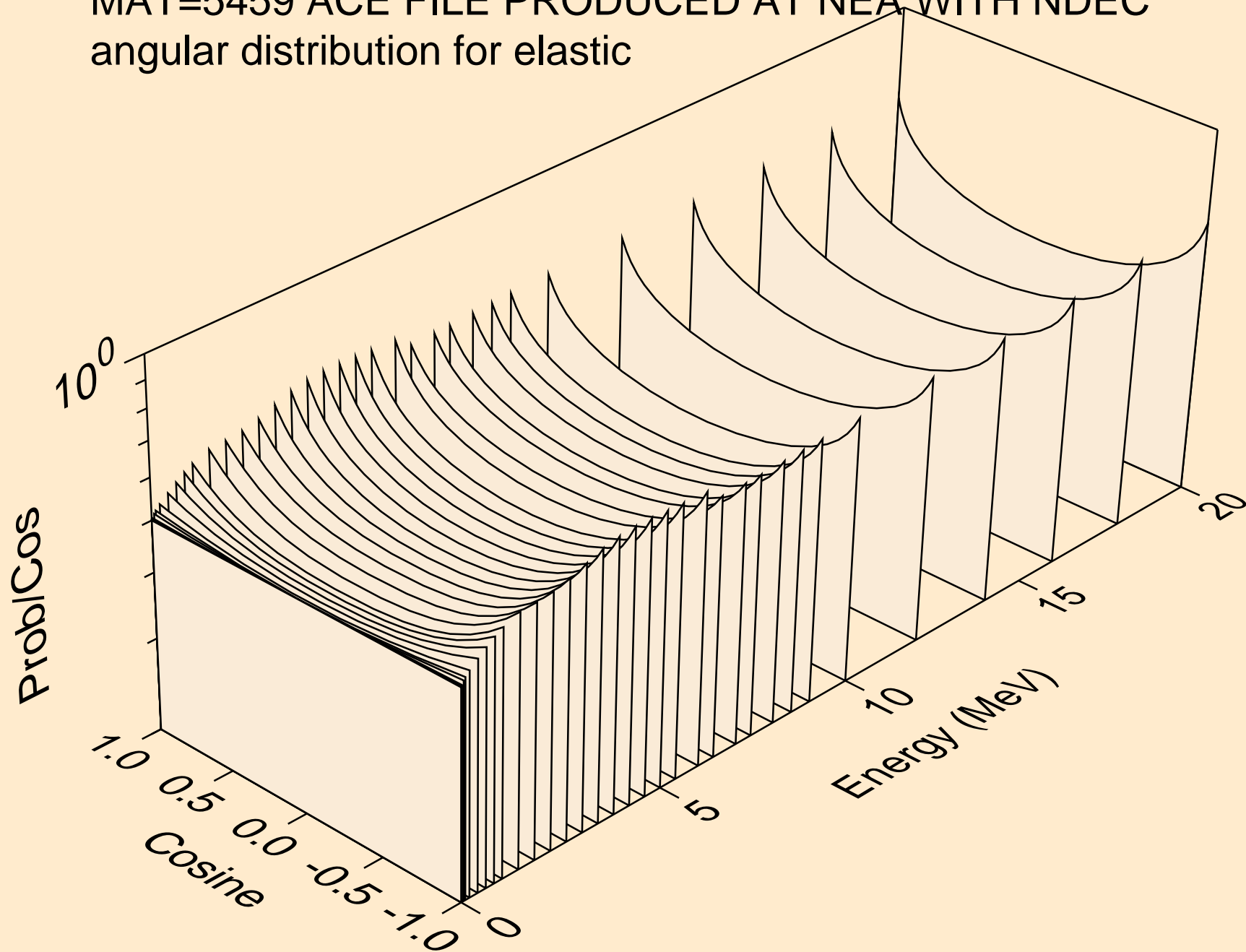
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



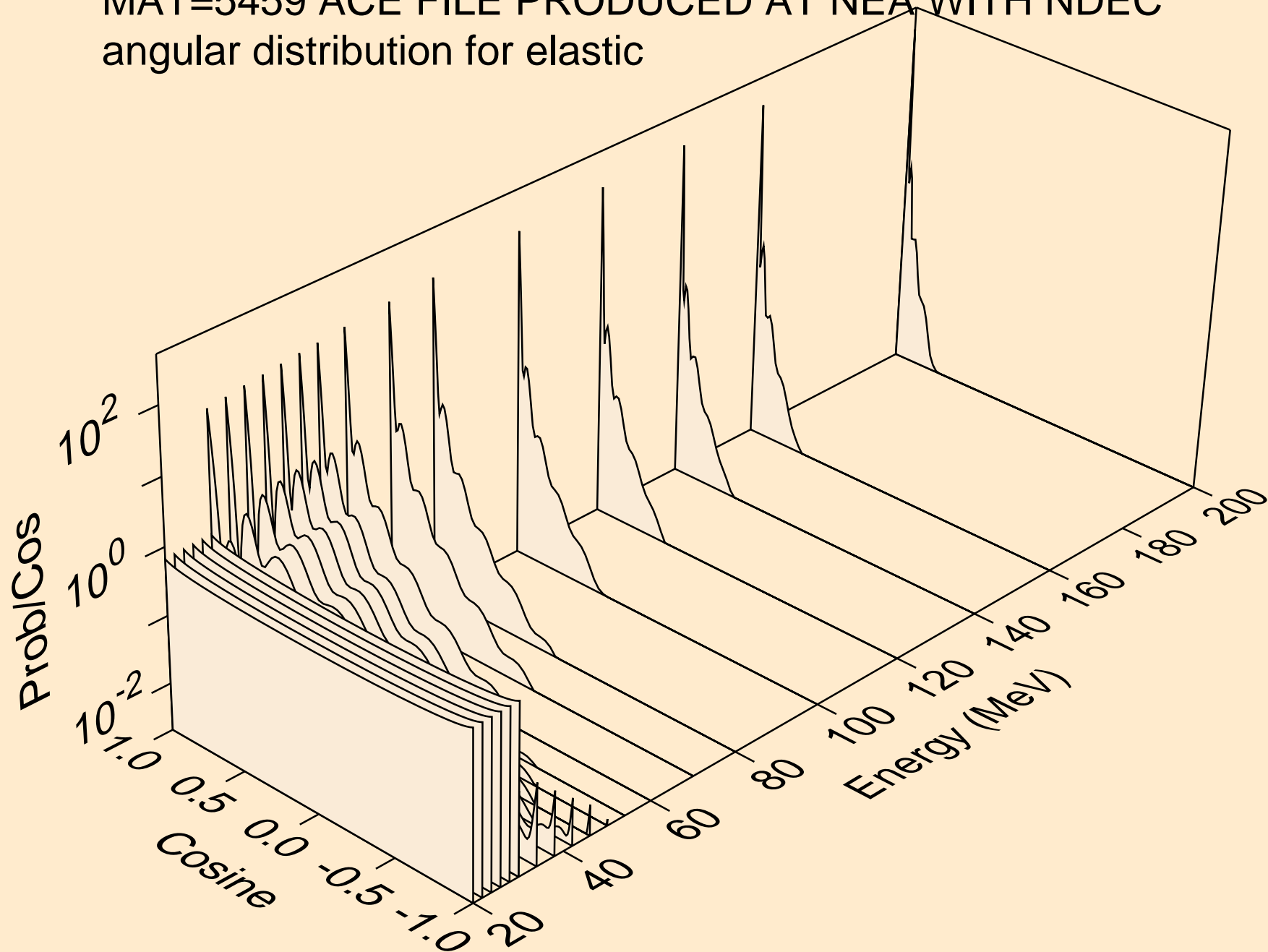
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



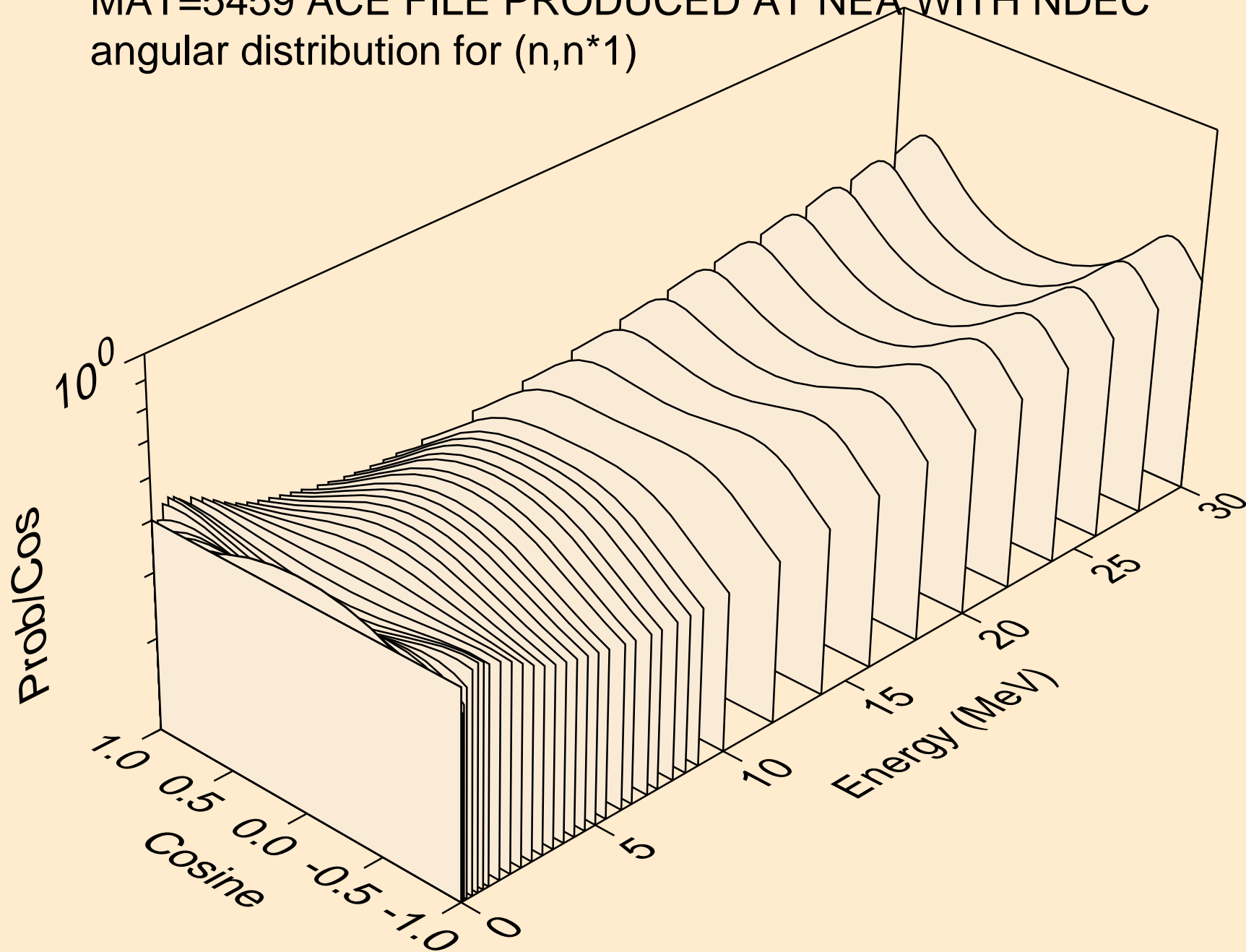
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for elastic



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for elastic

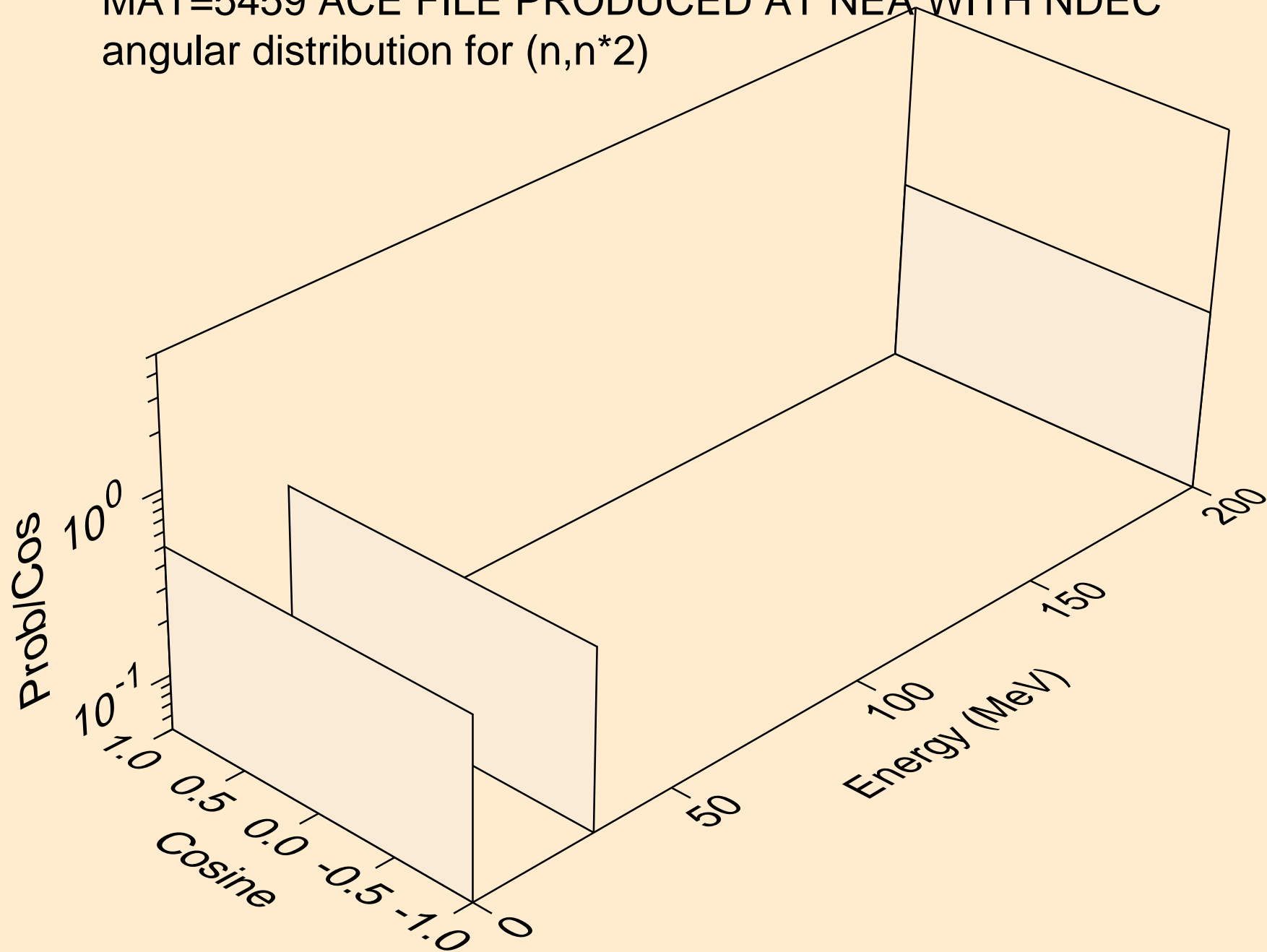


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*1)

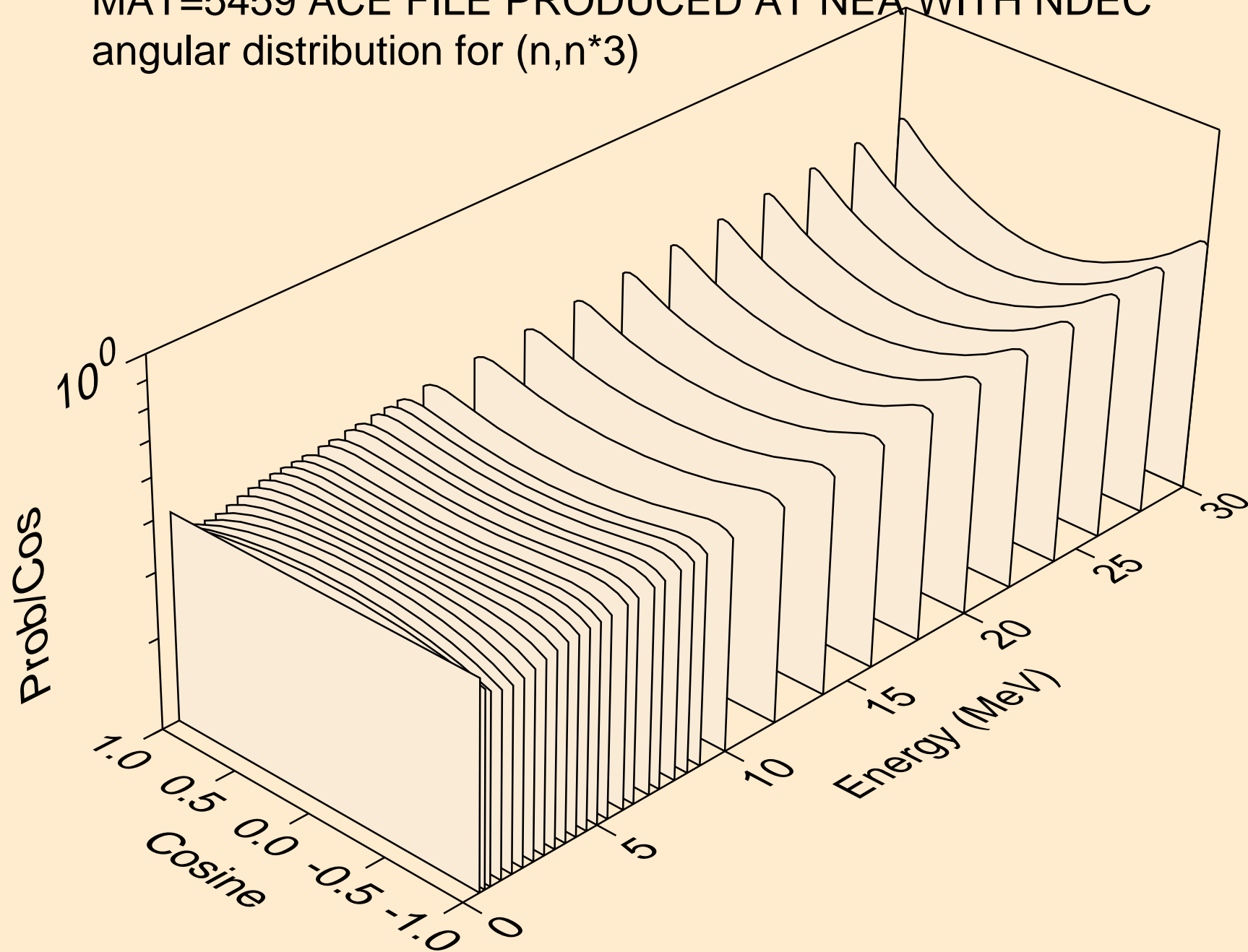




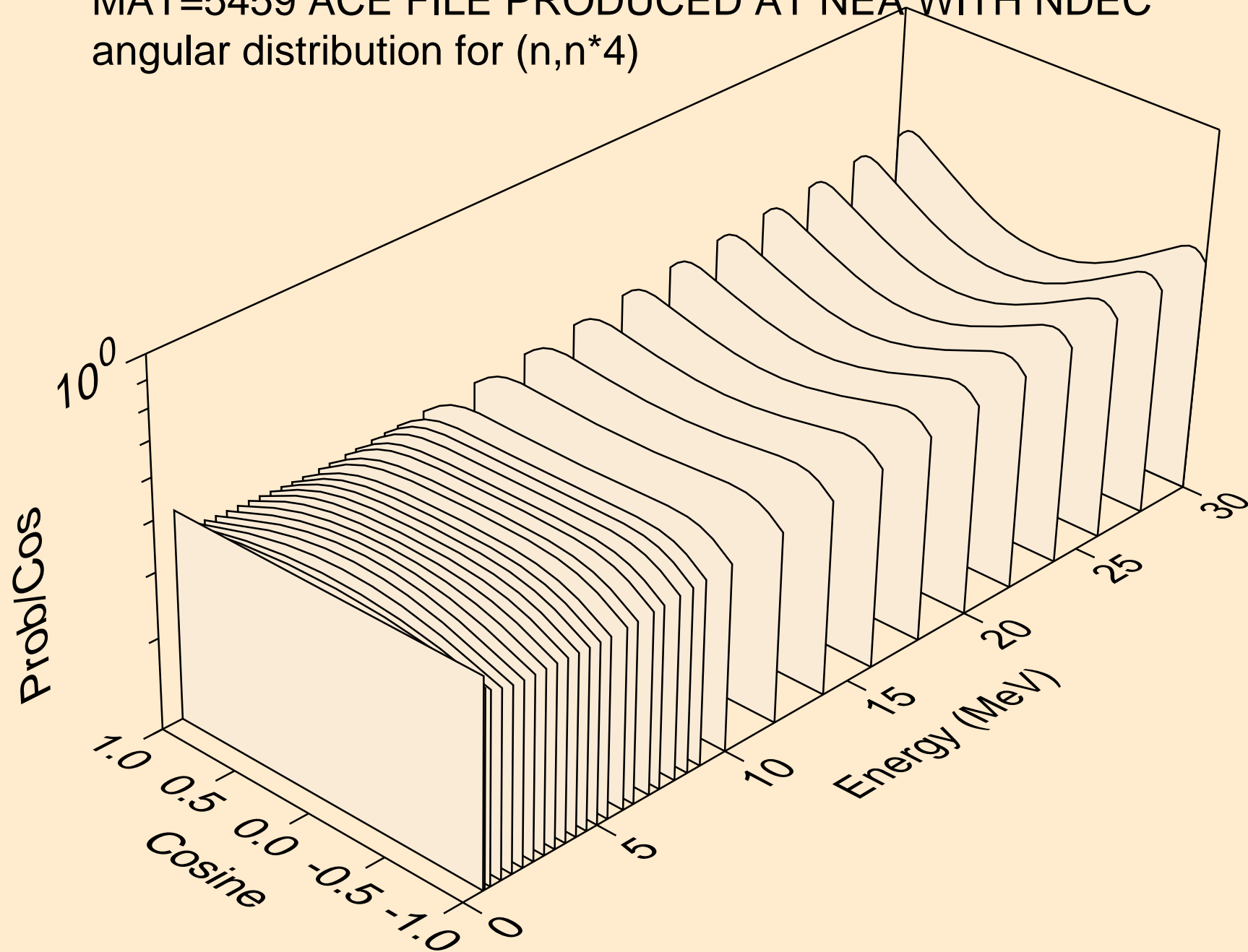
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*2)



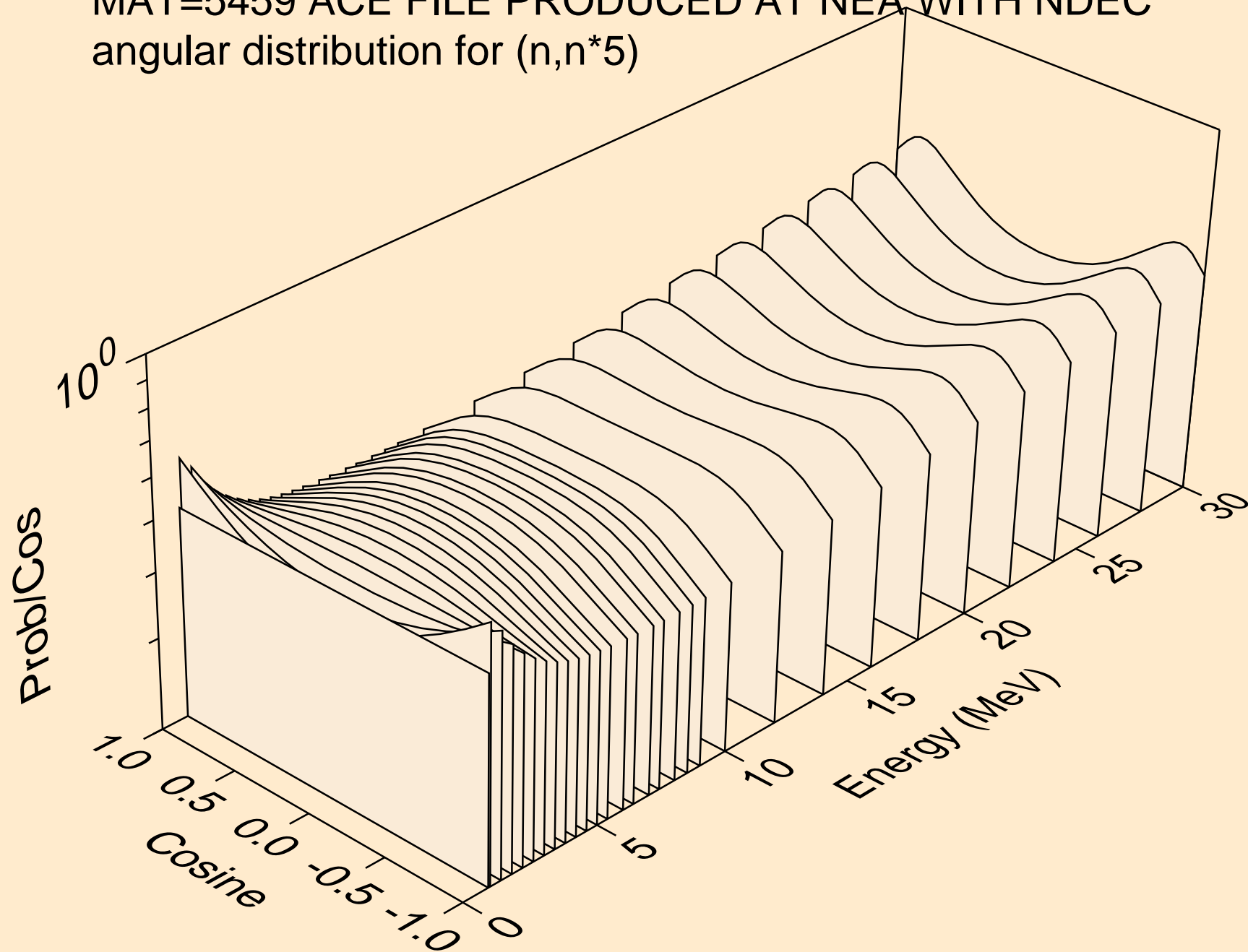
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*3)



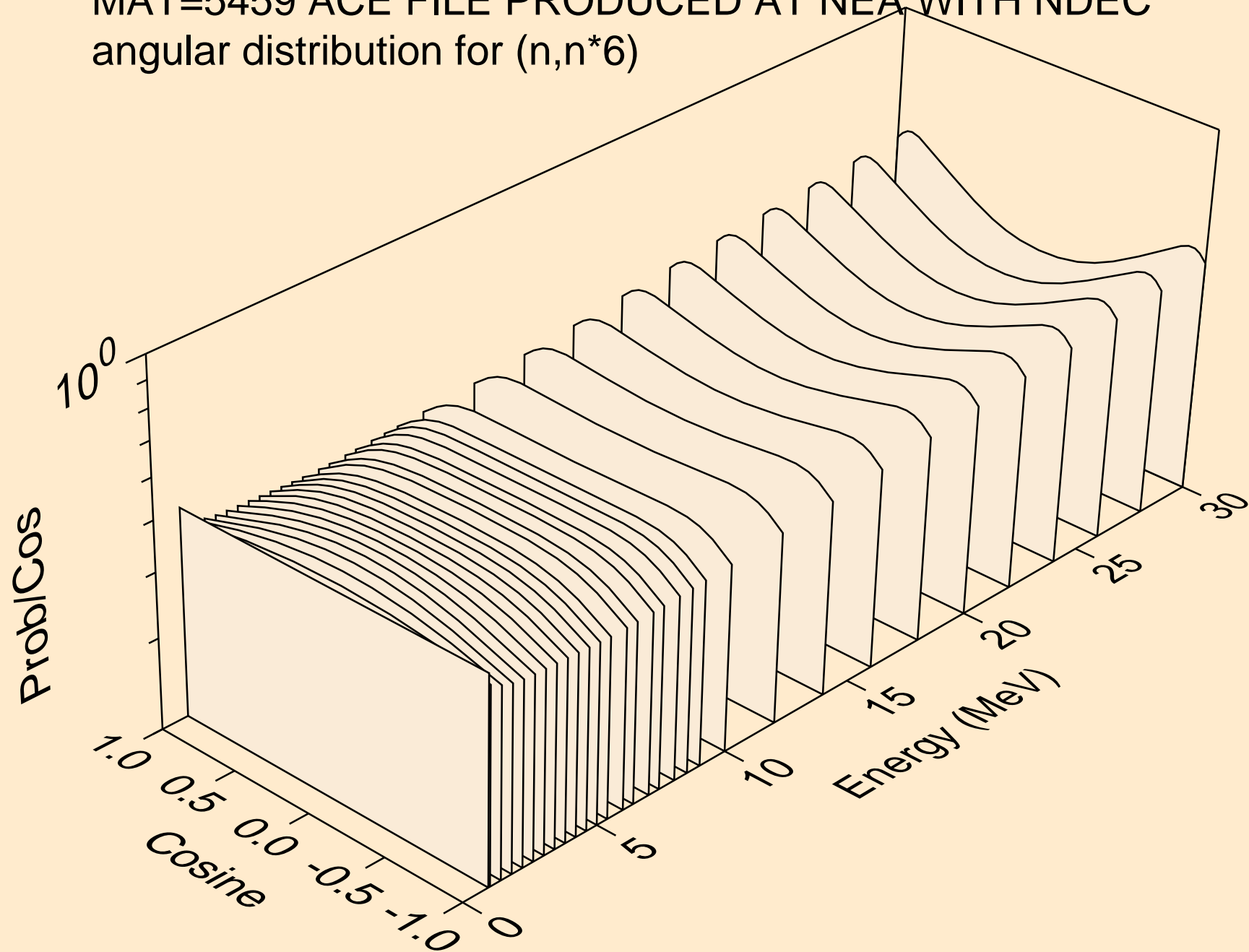
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*4)



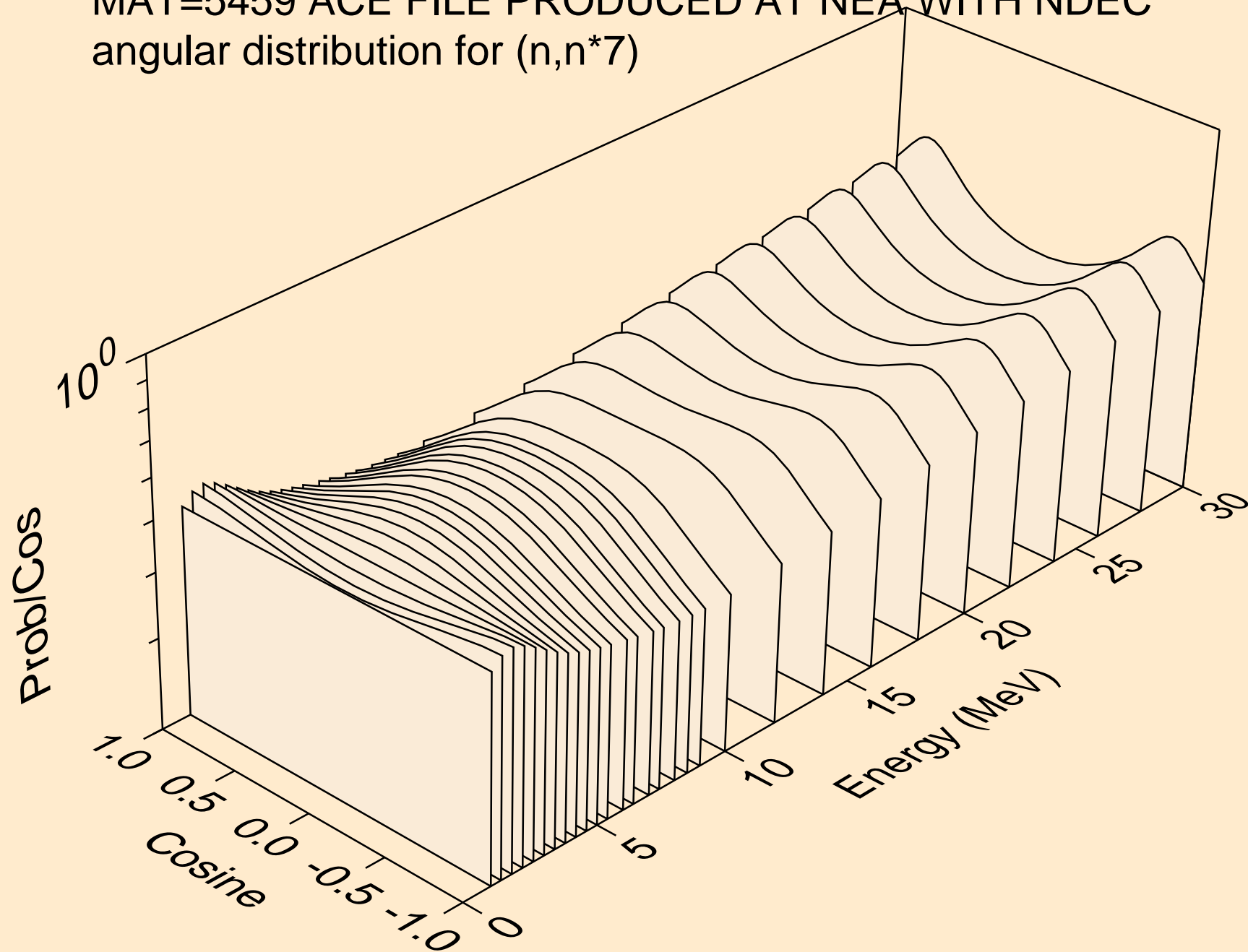
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*5)



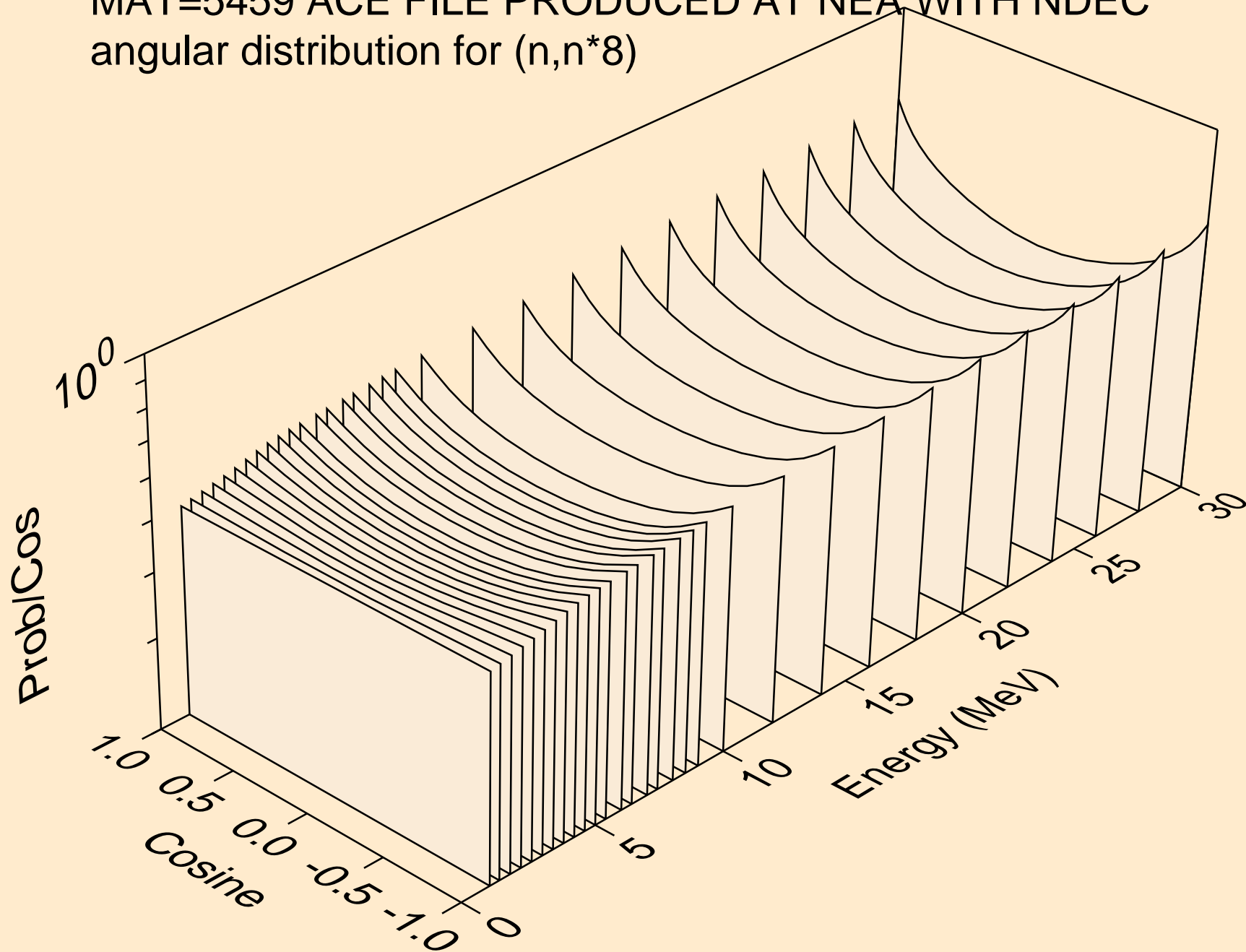
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*6)



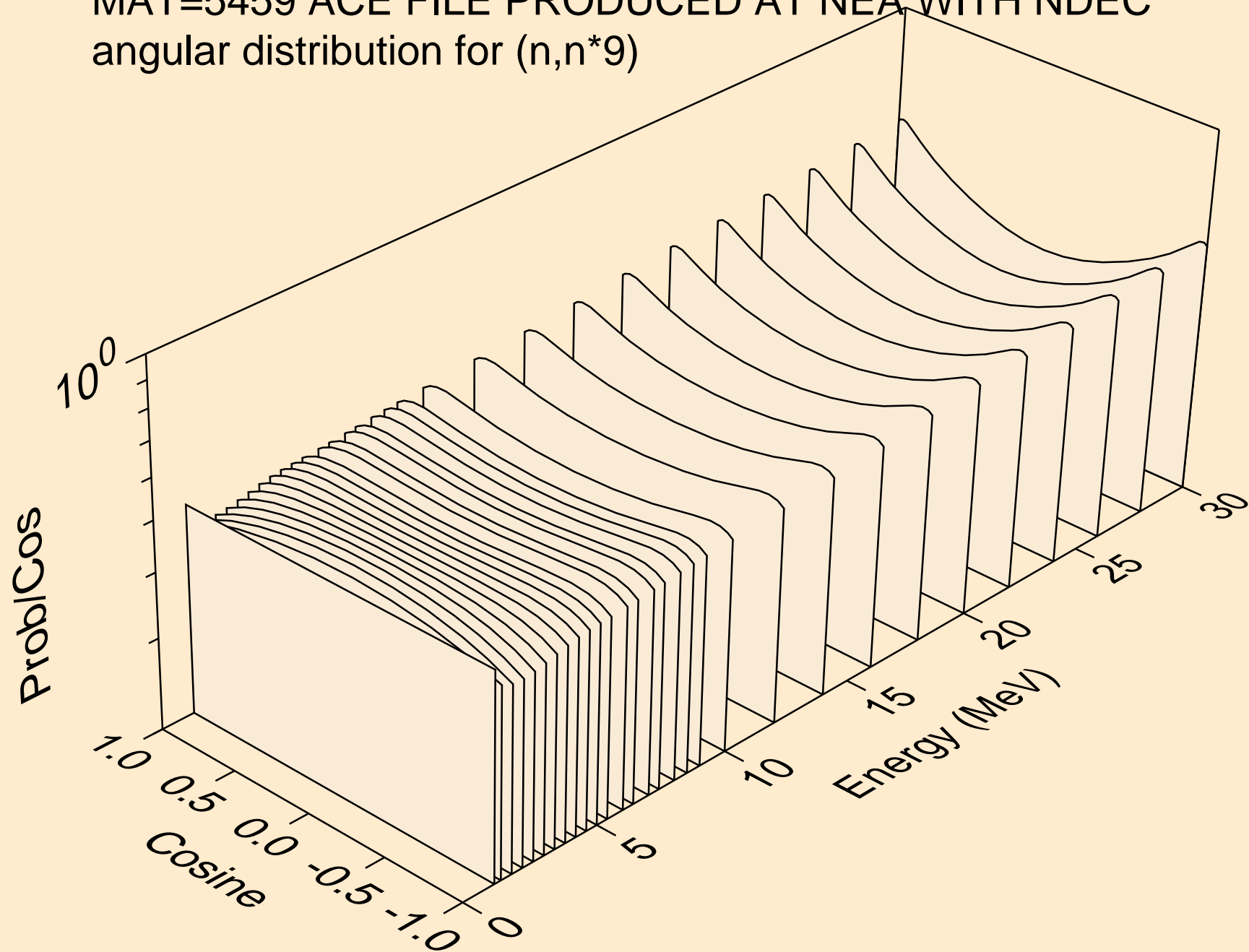
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*7)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*8)

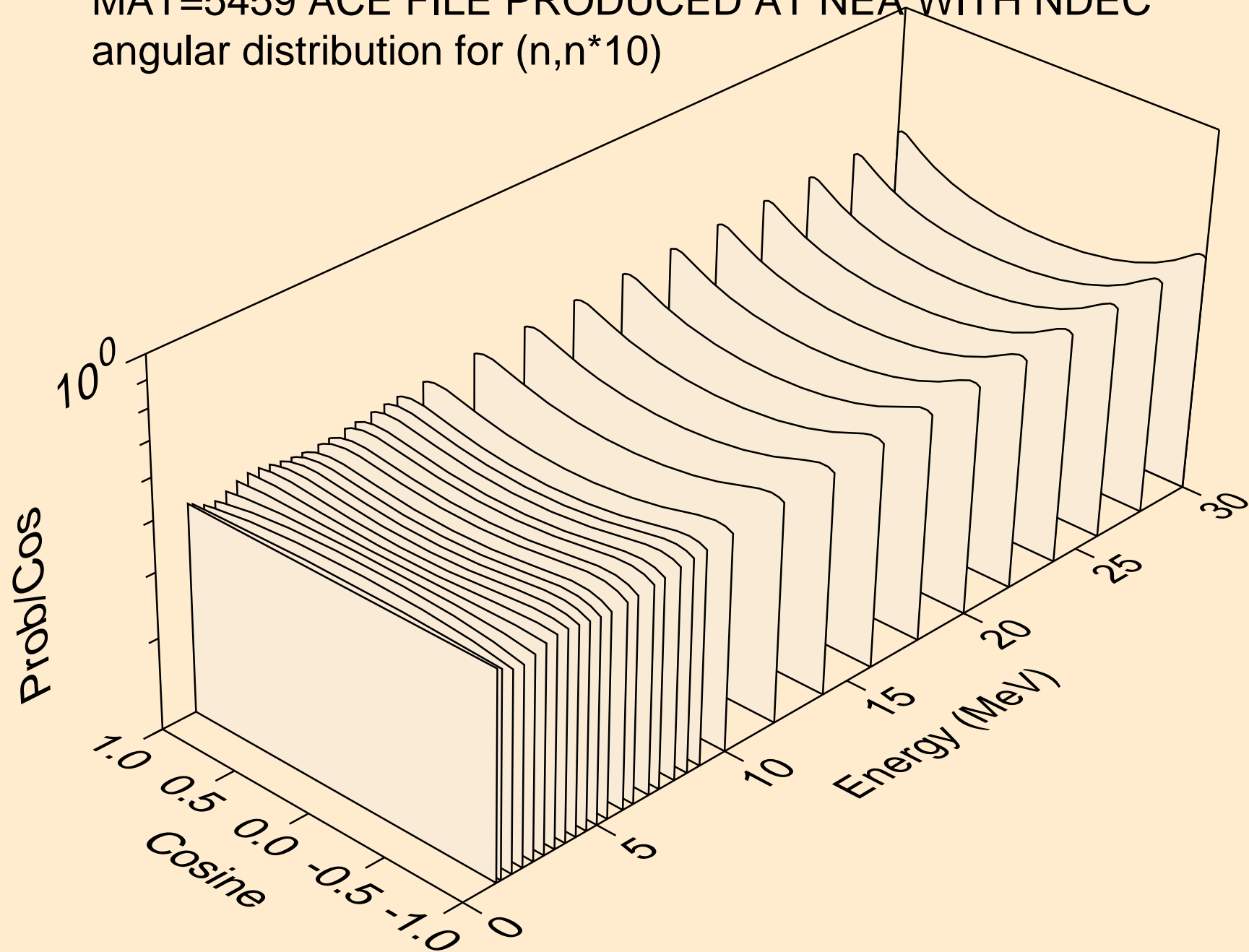


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*9)

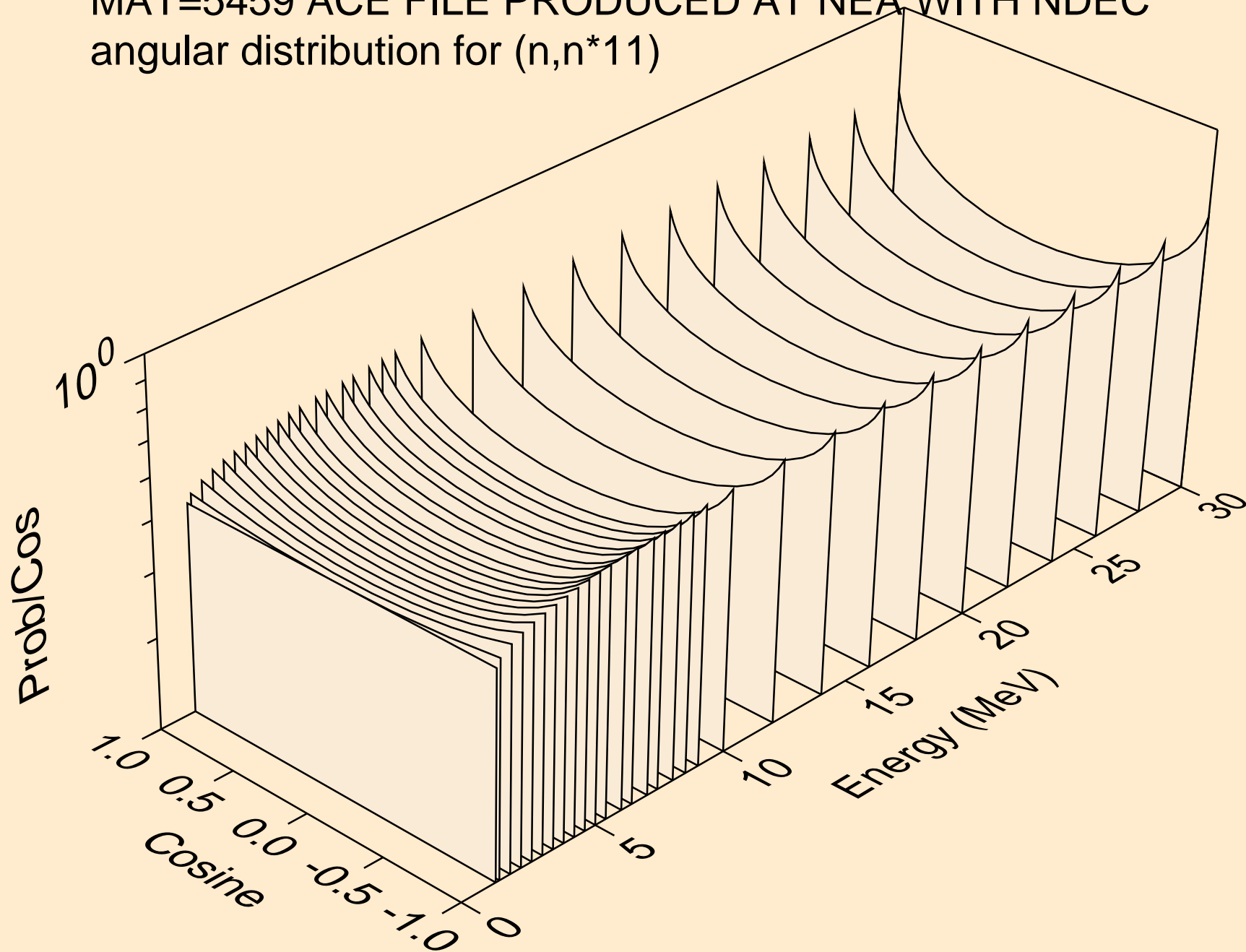




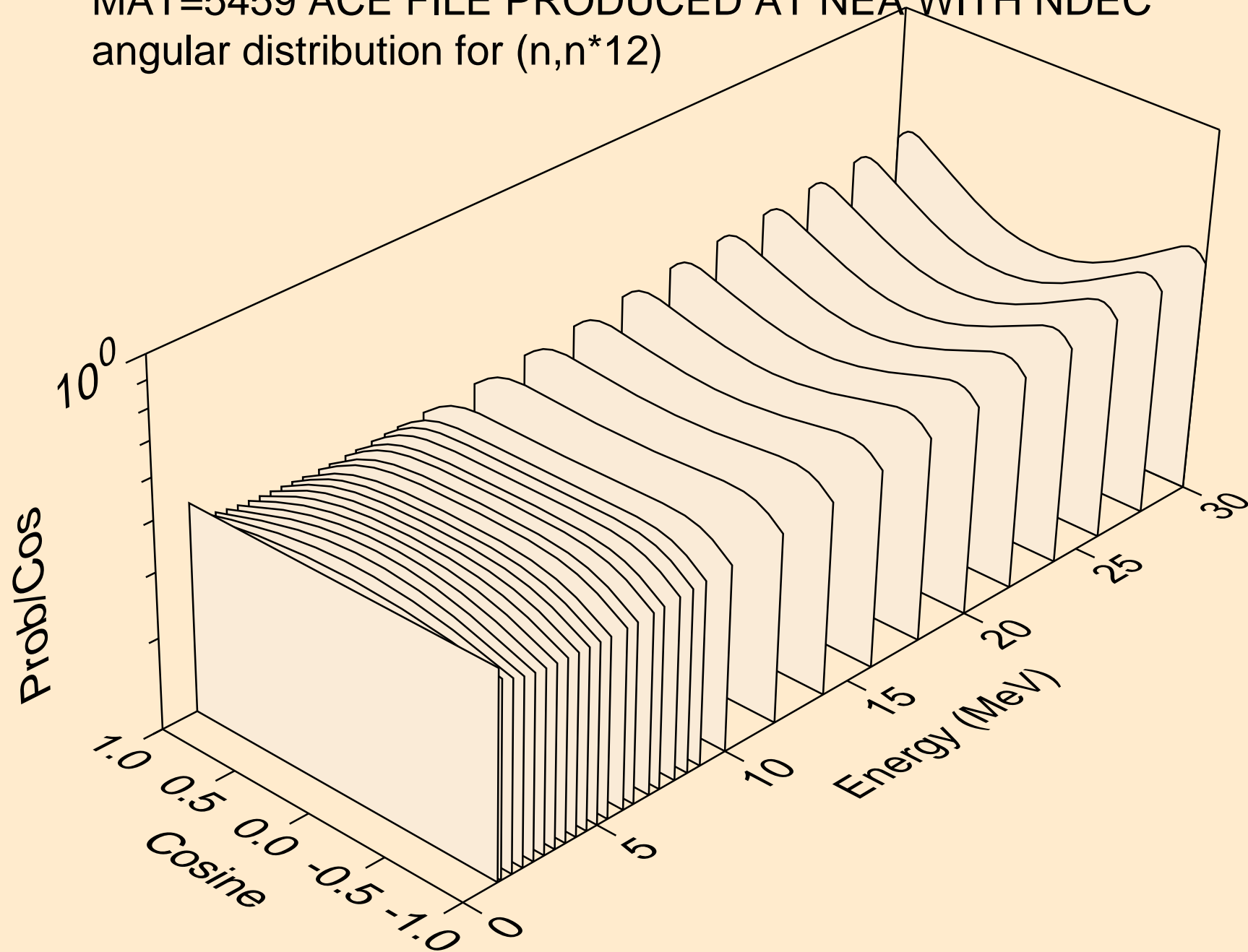
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*10)



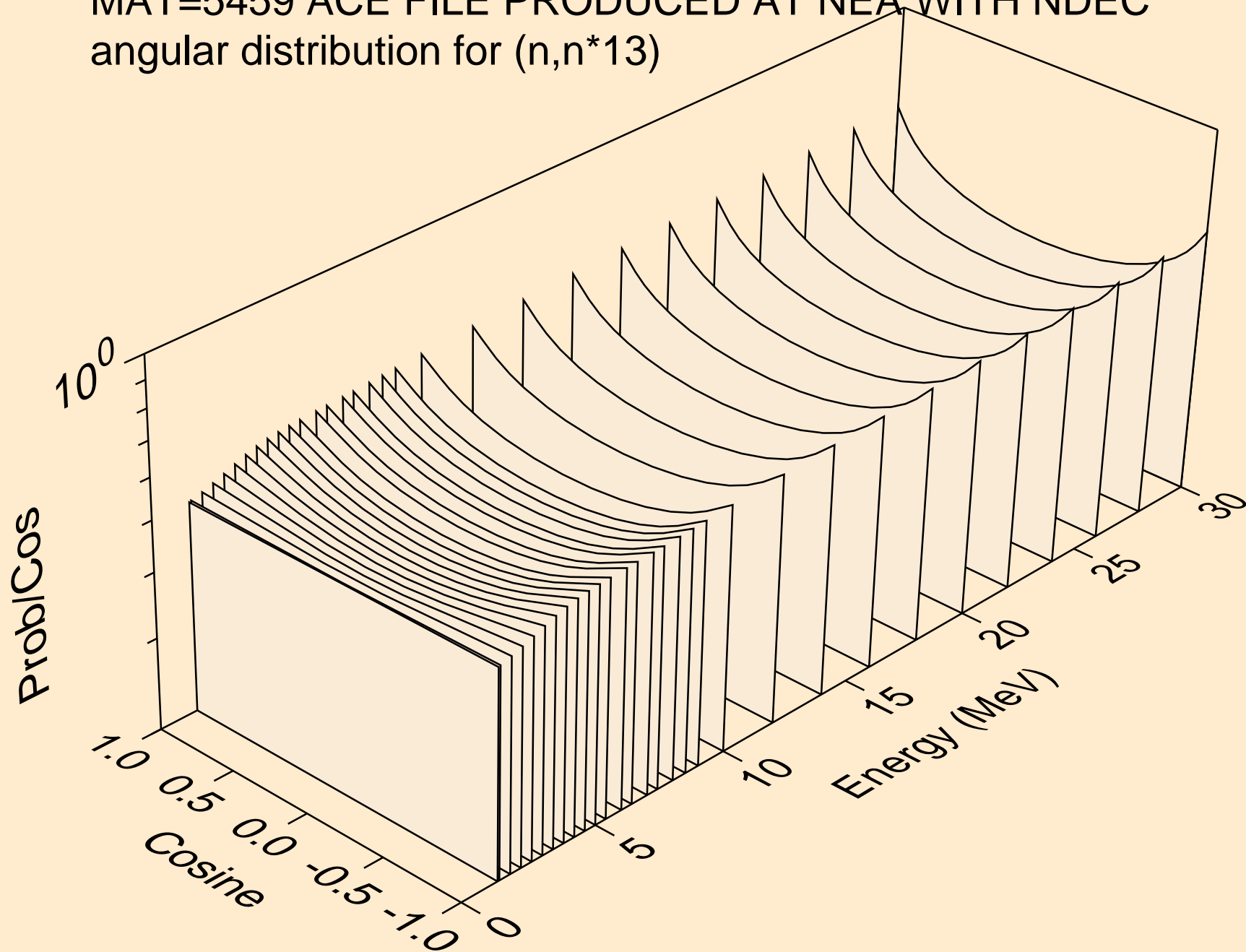
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*11)



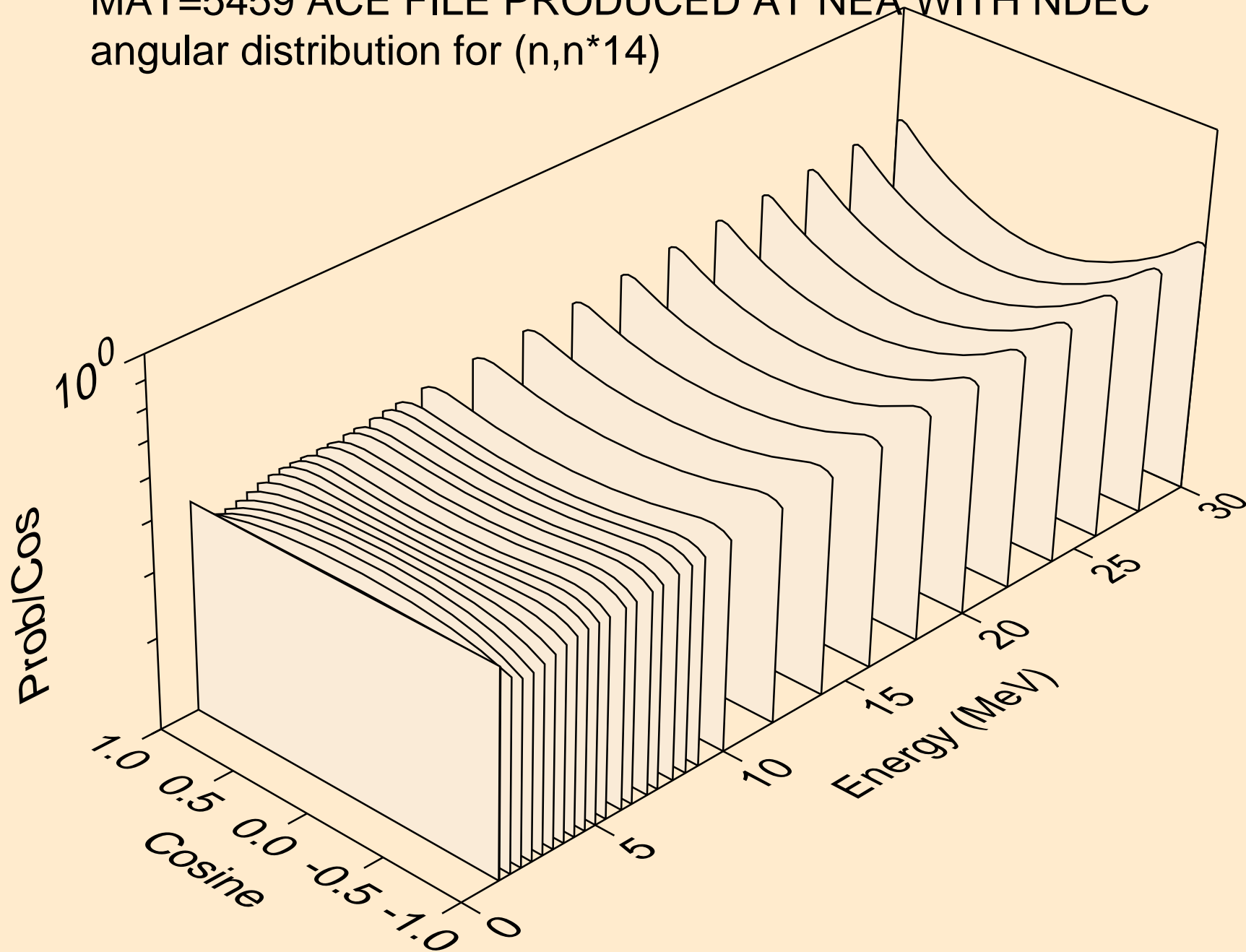
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*12)



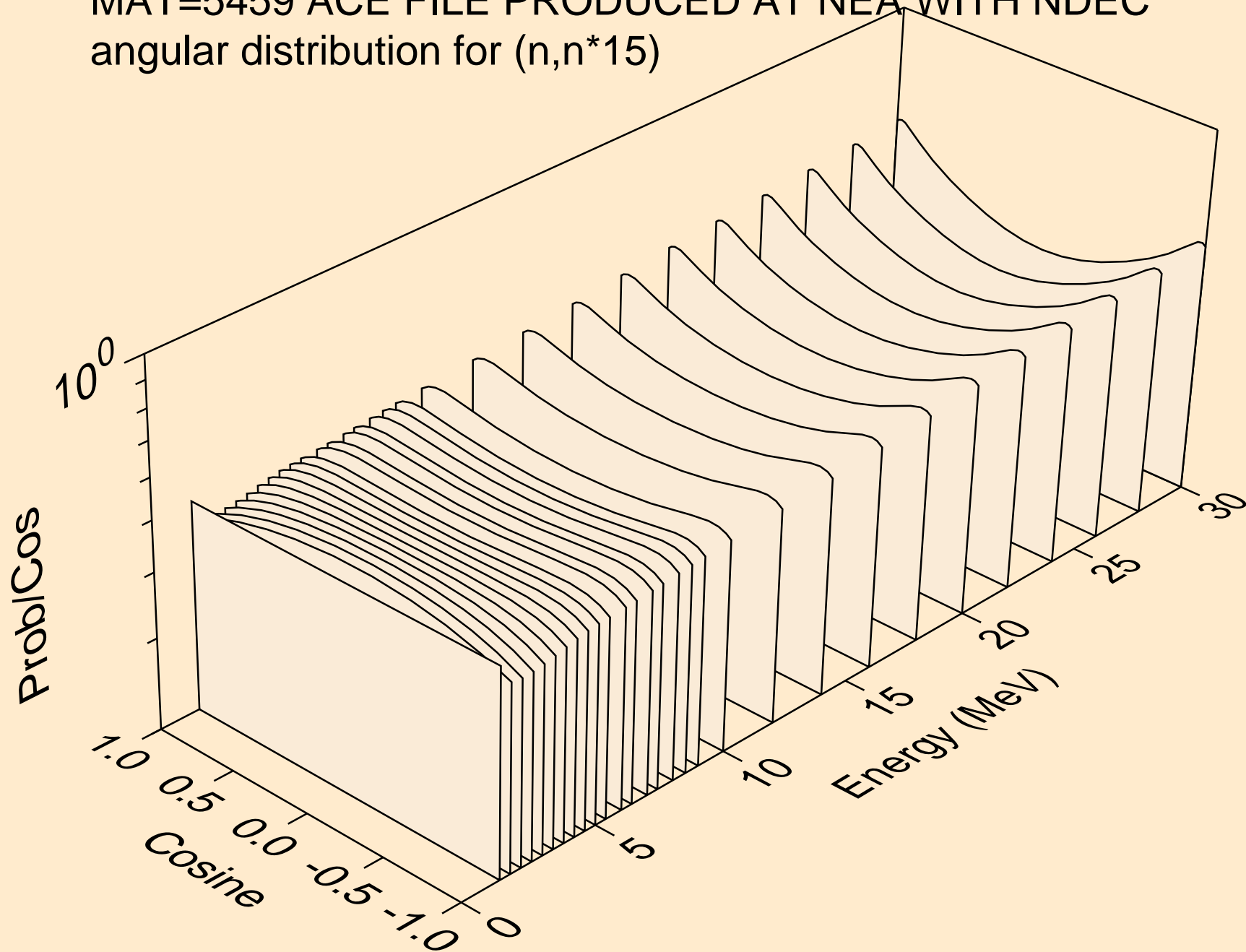
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*13)



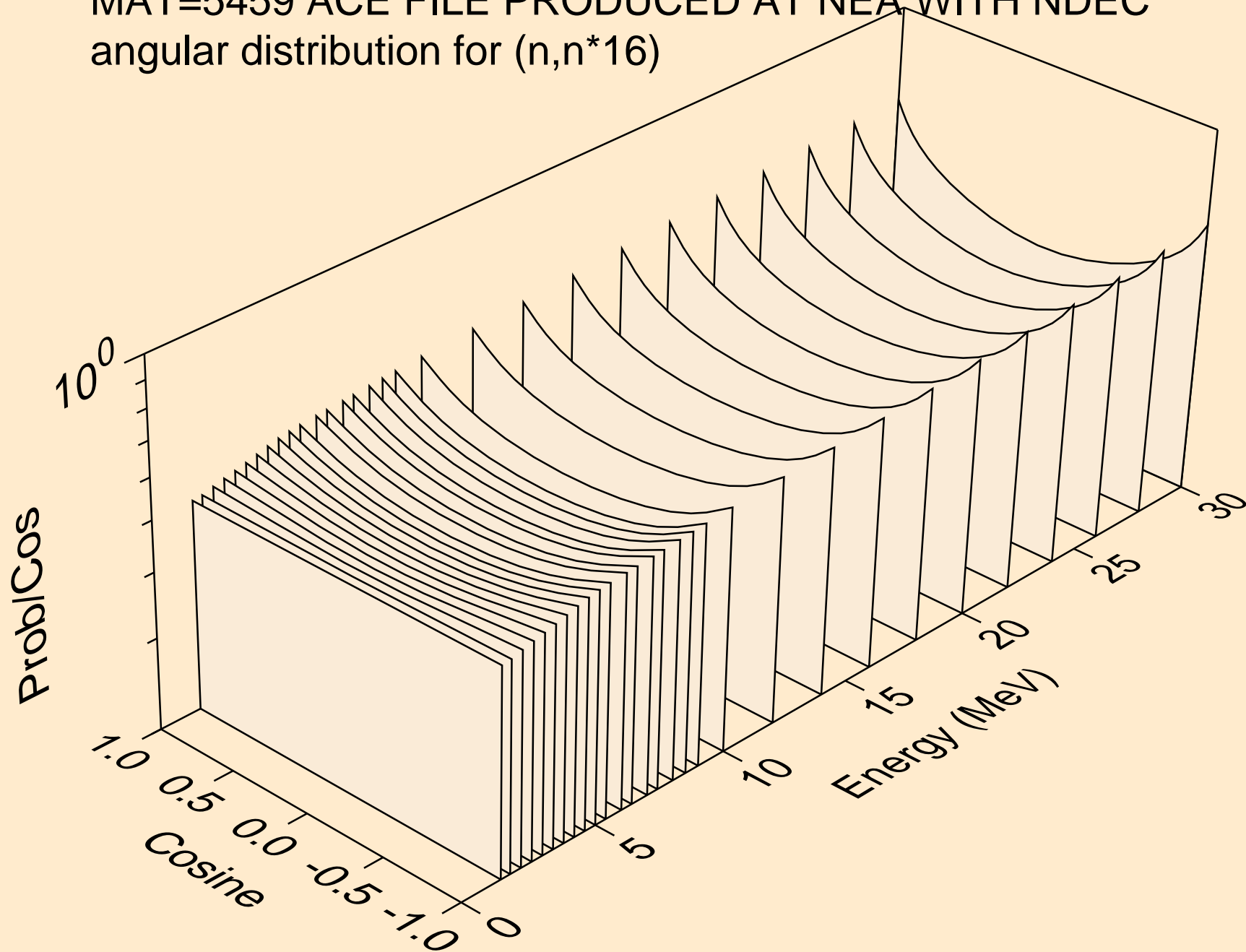
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*14)



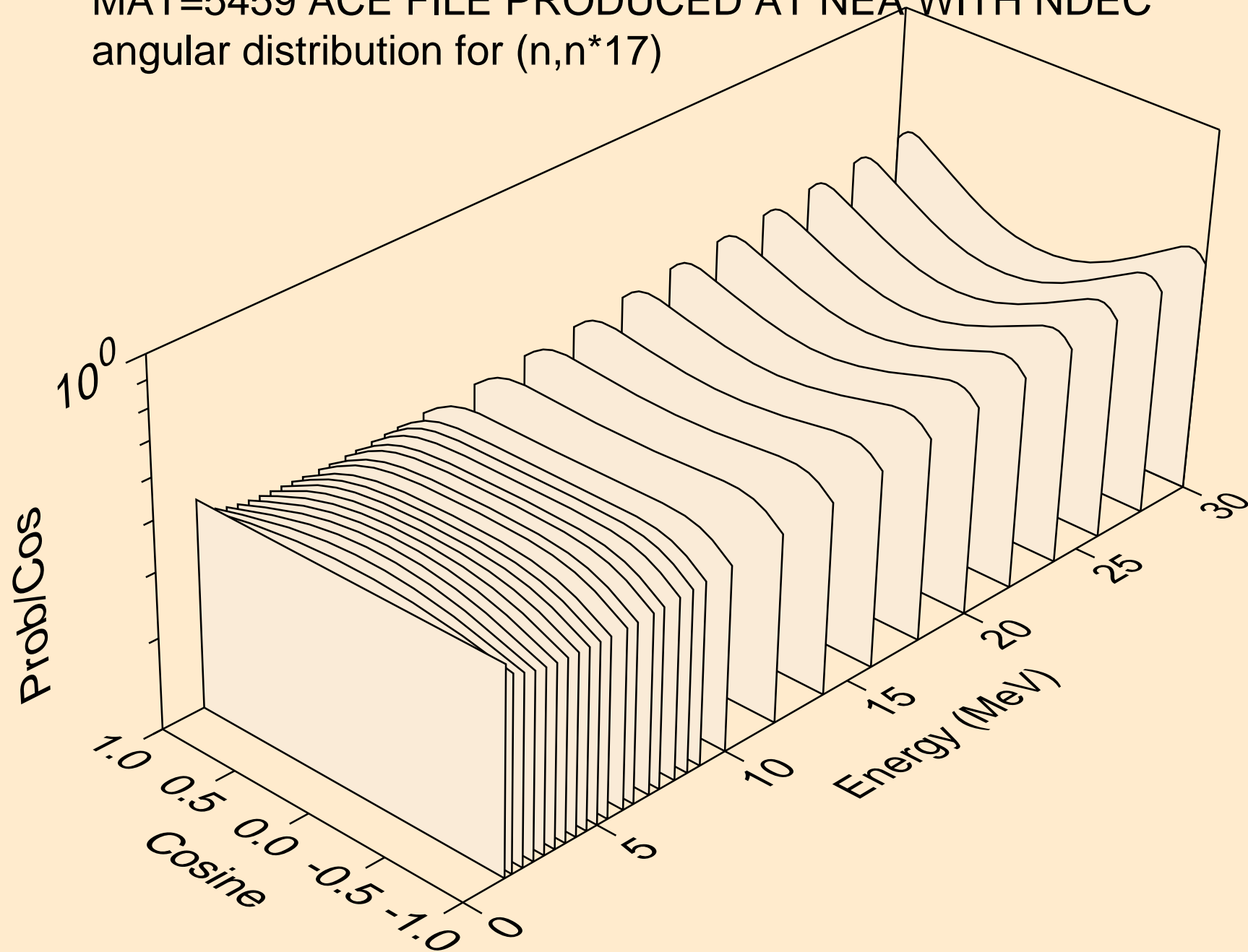
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*15)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*16)

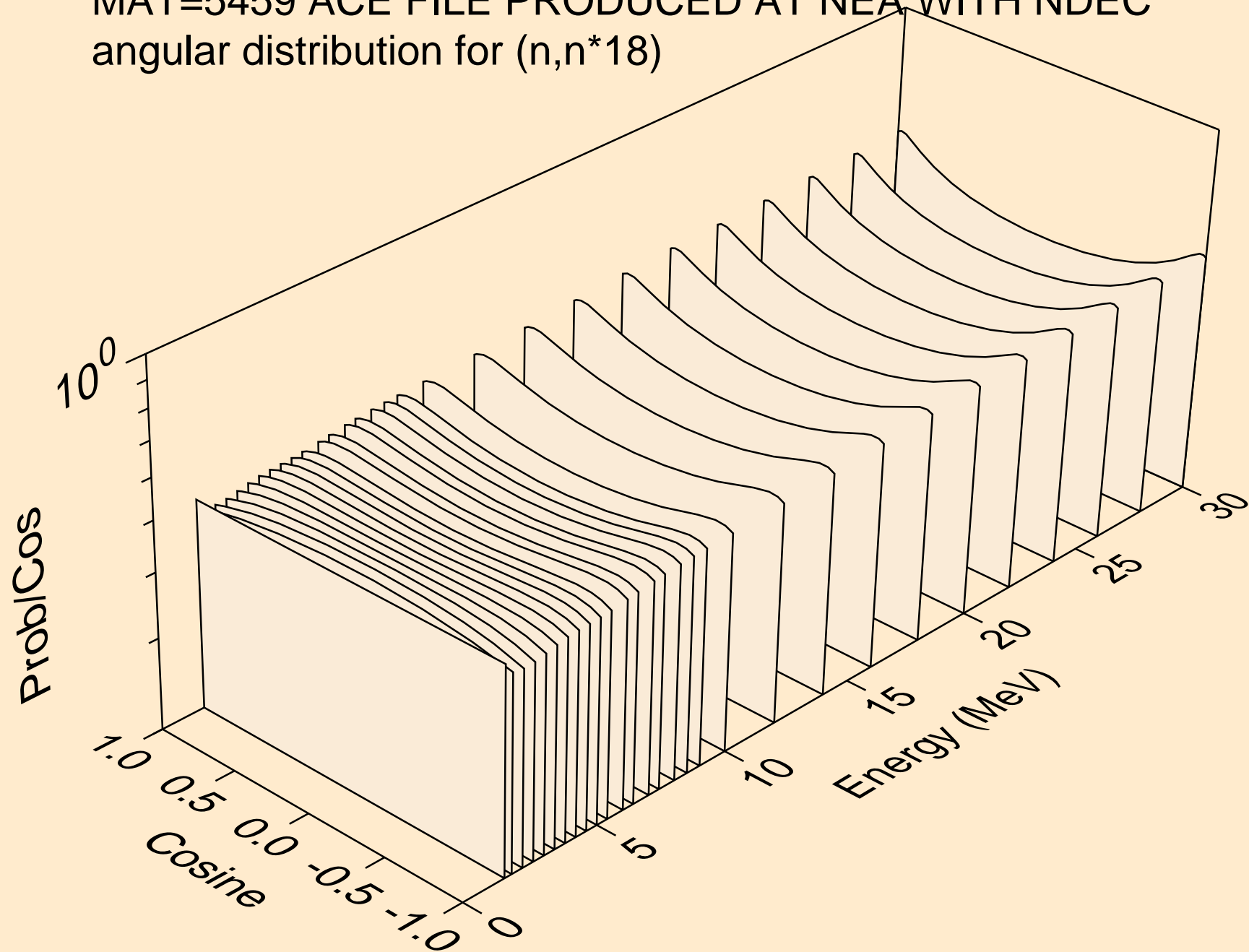


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*17)

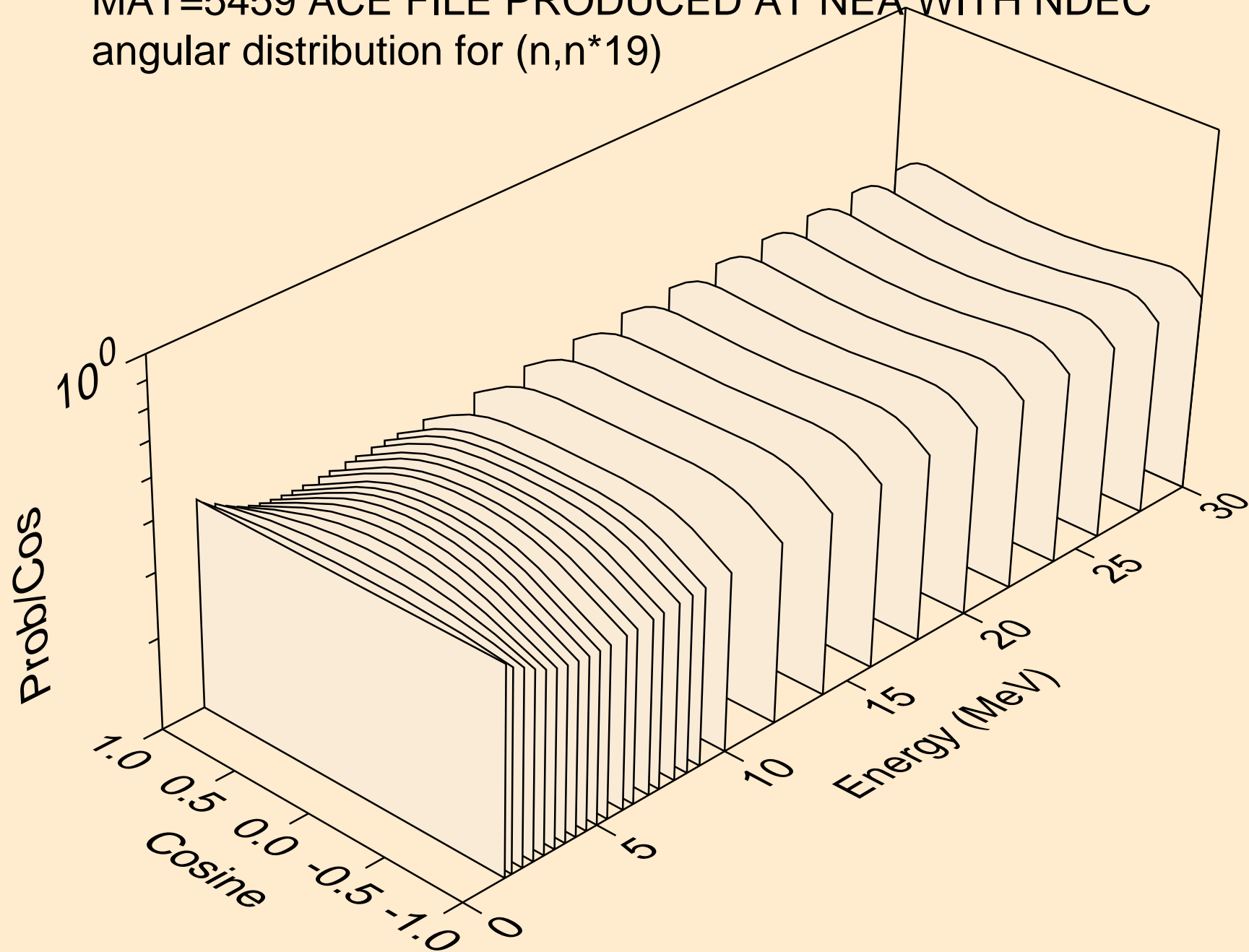




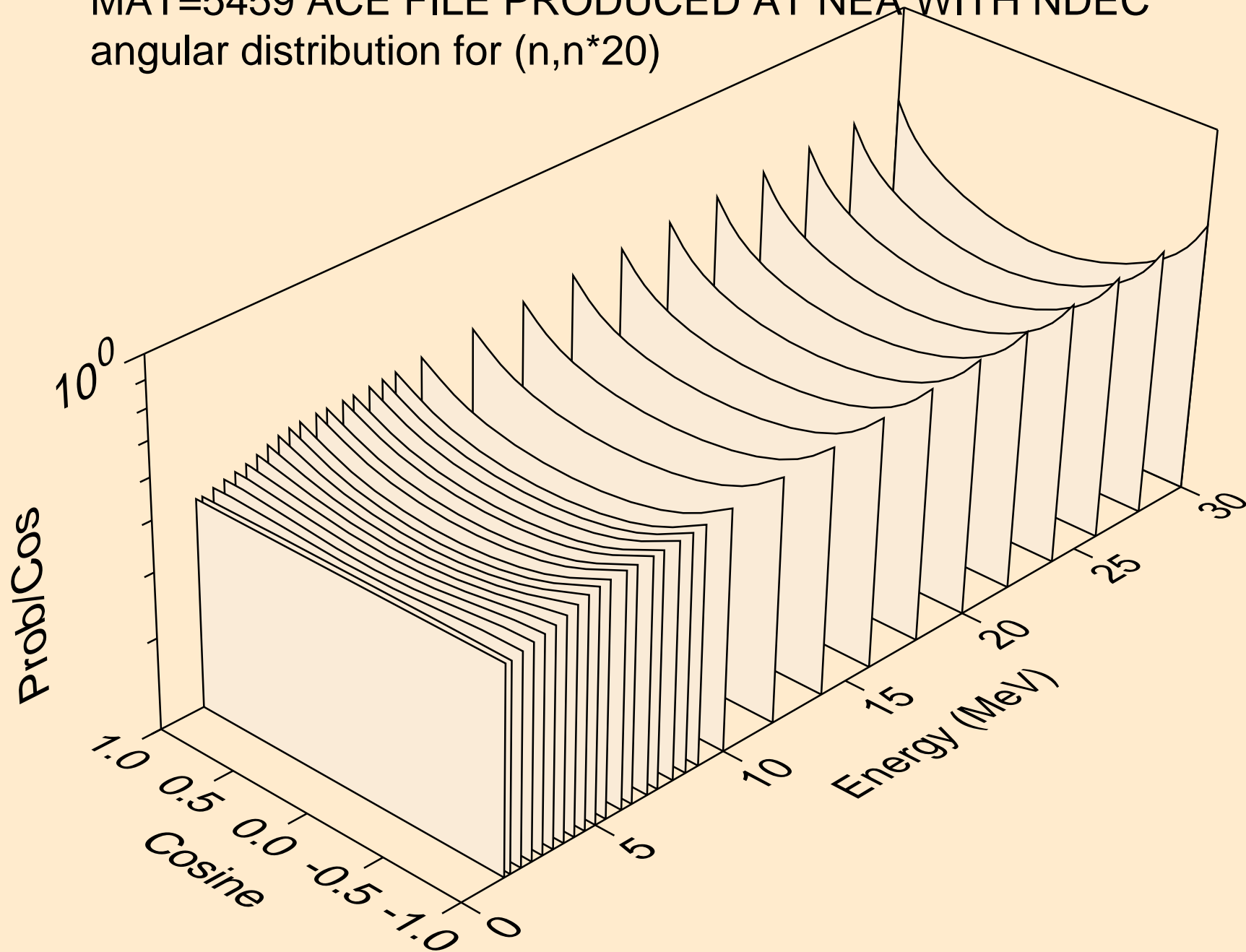
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*18)



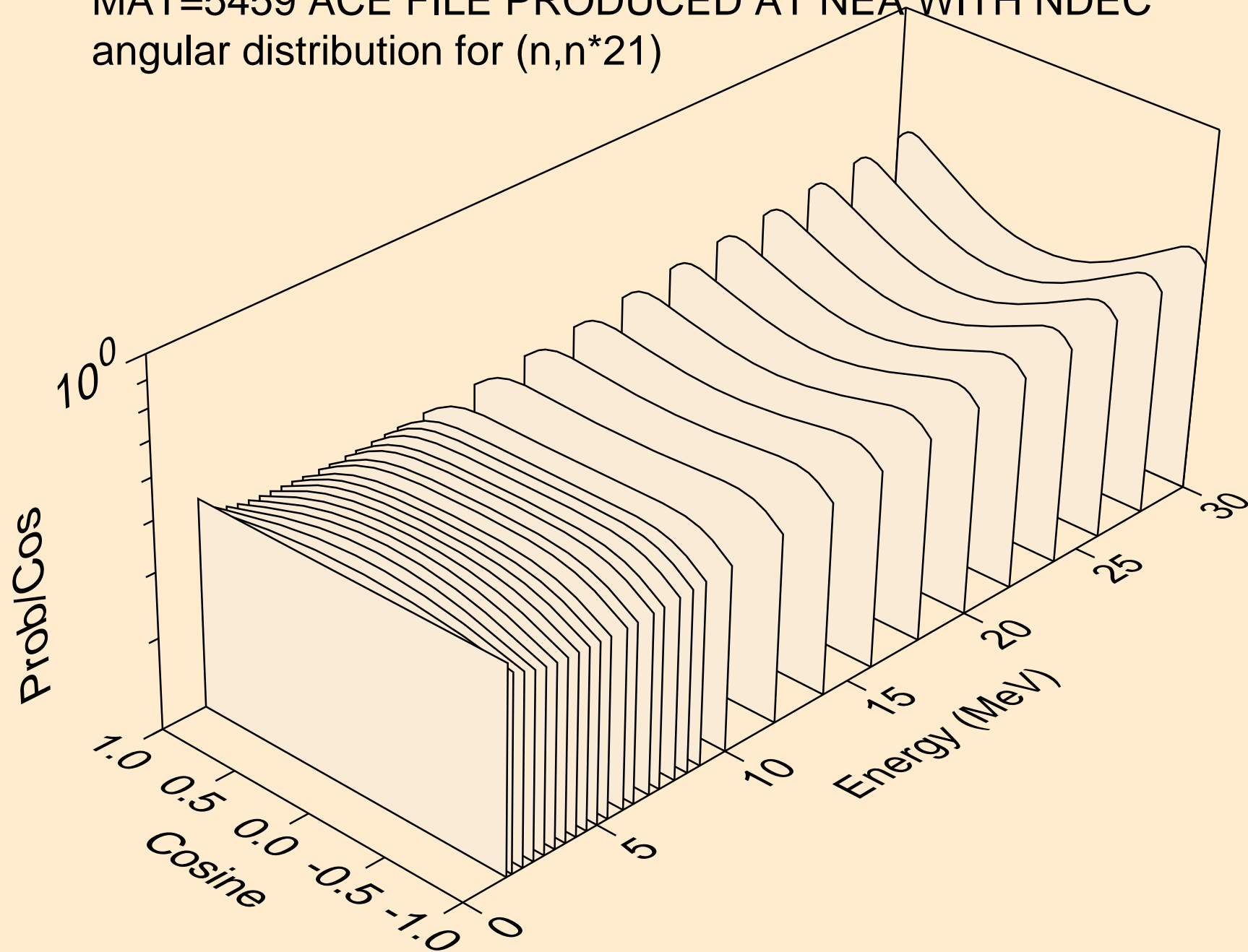
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*19)



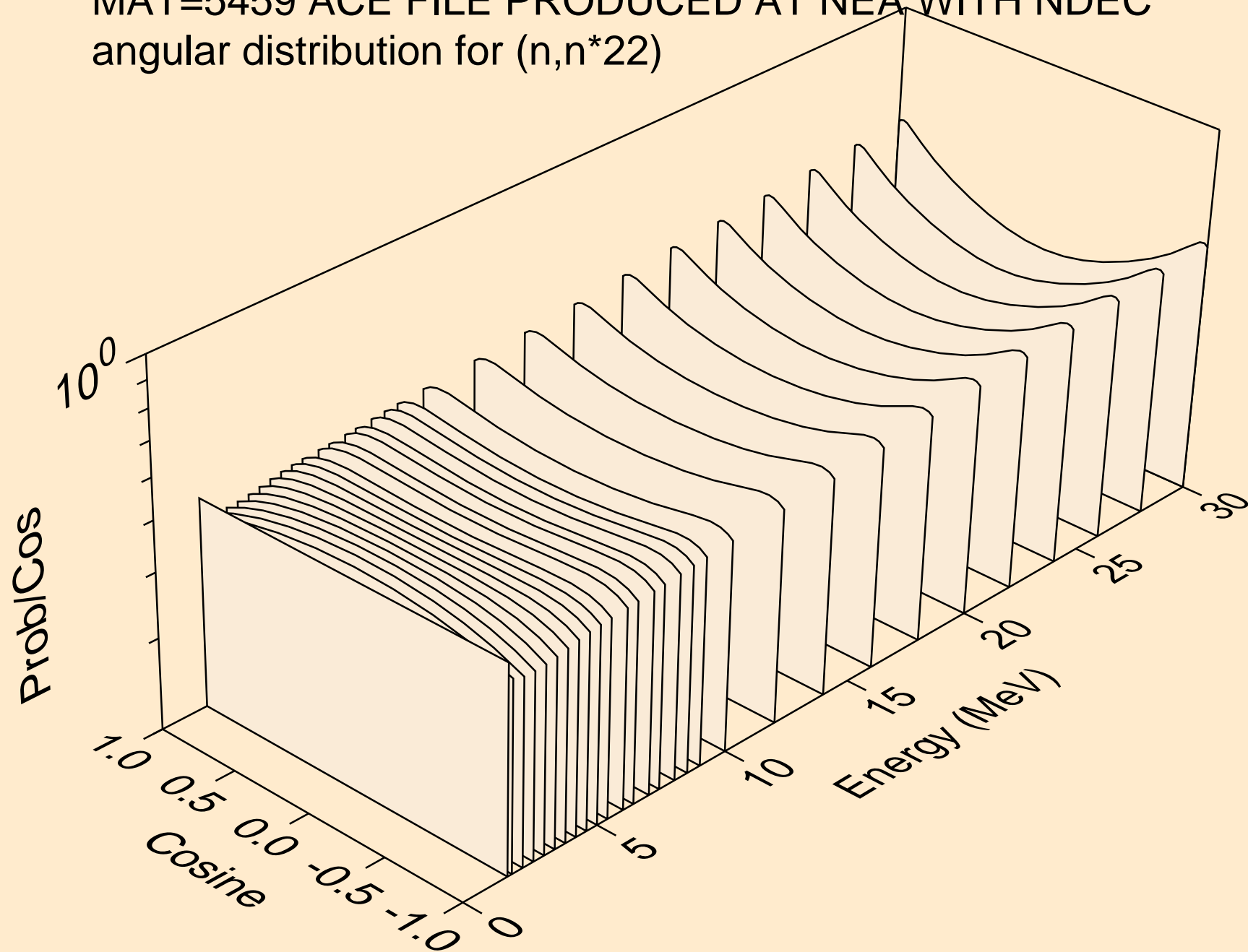
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*20)



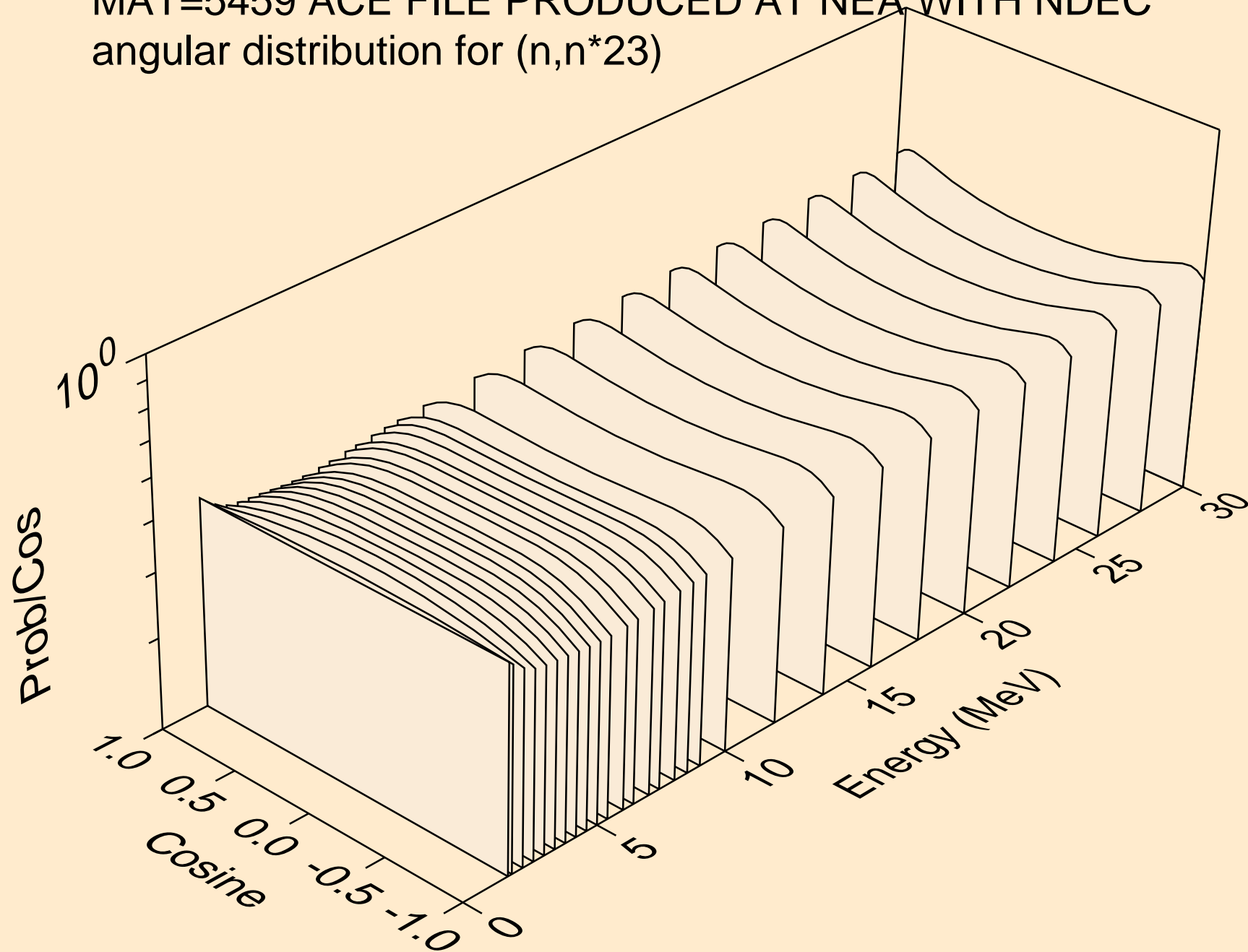
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*21)



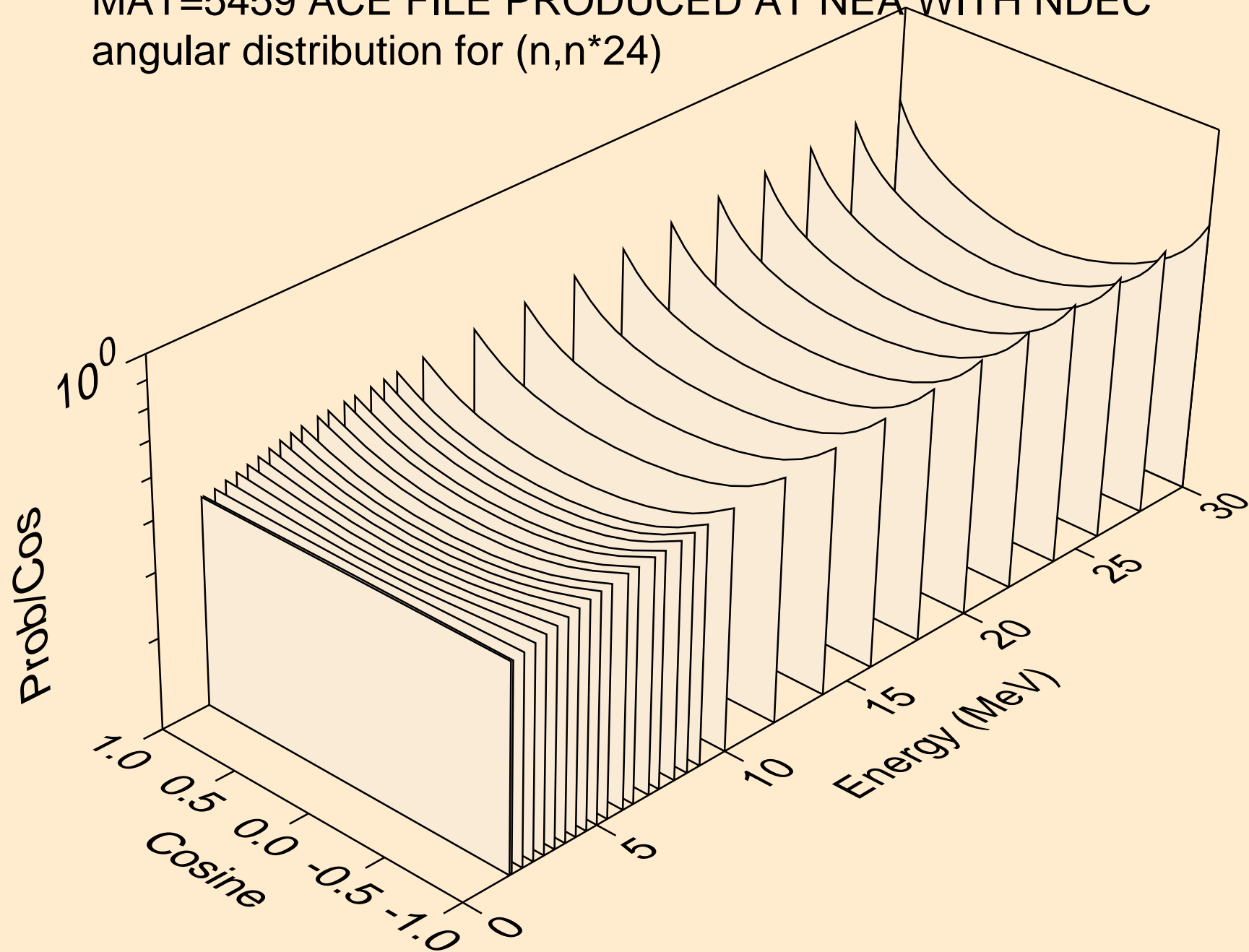
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*22)



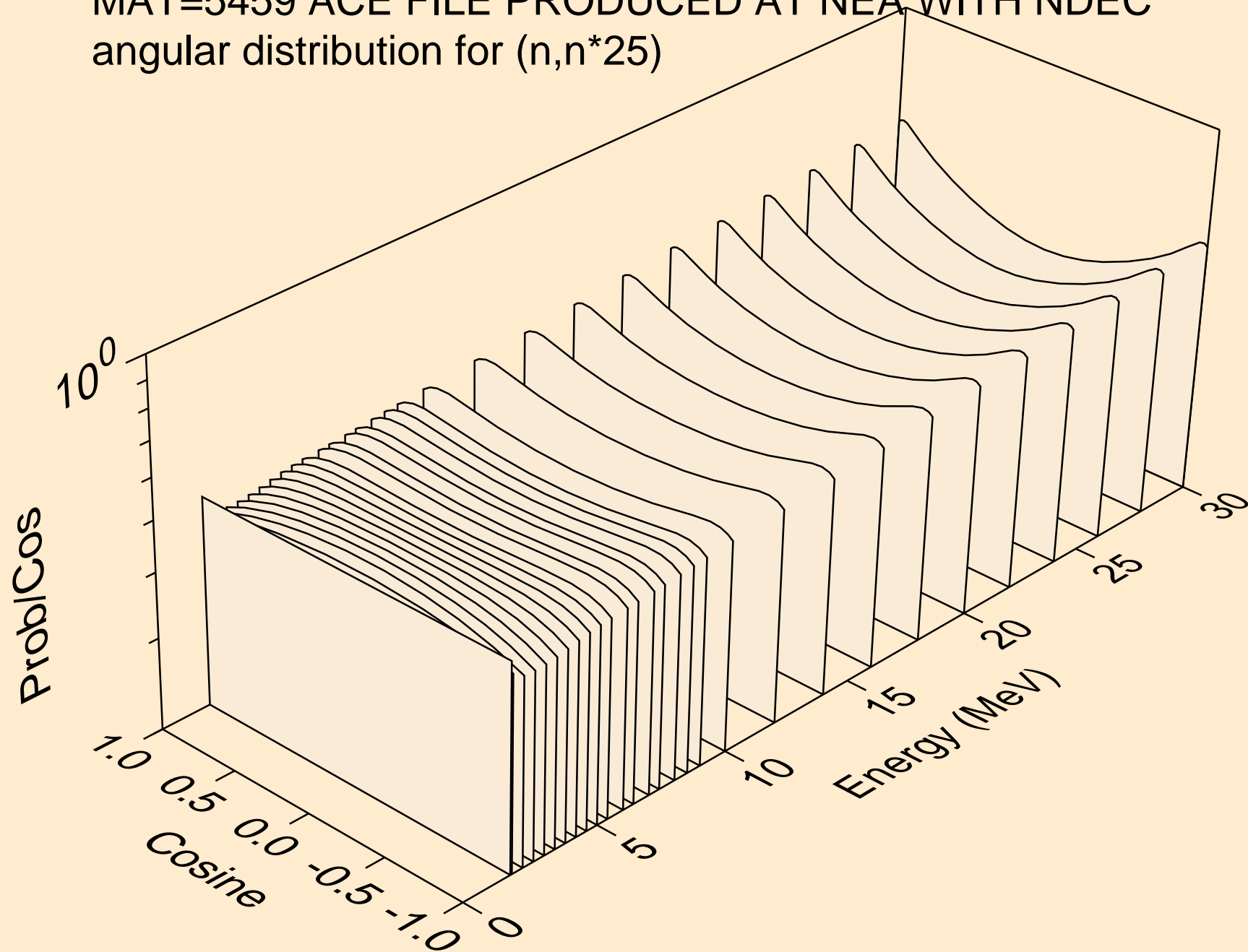
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*23)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*24)

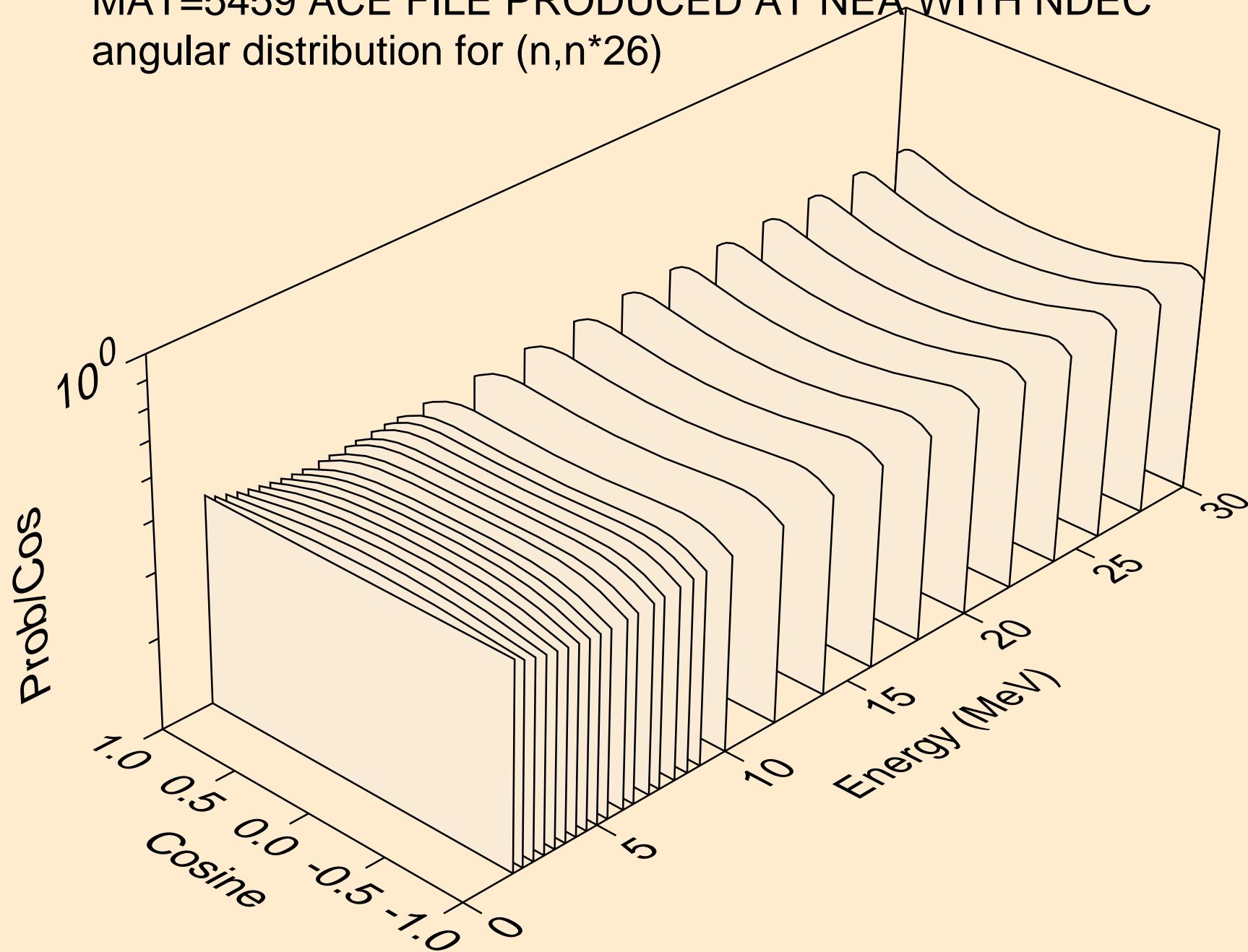


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*25)

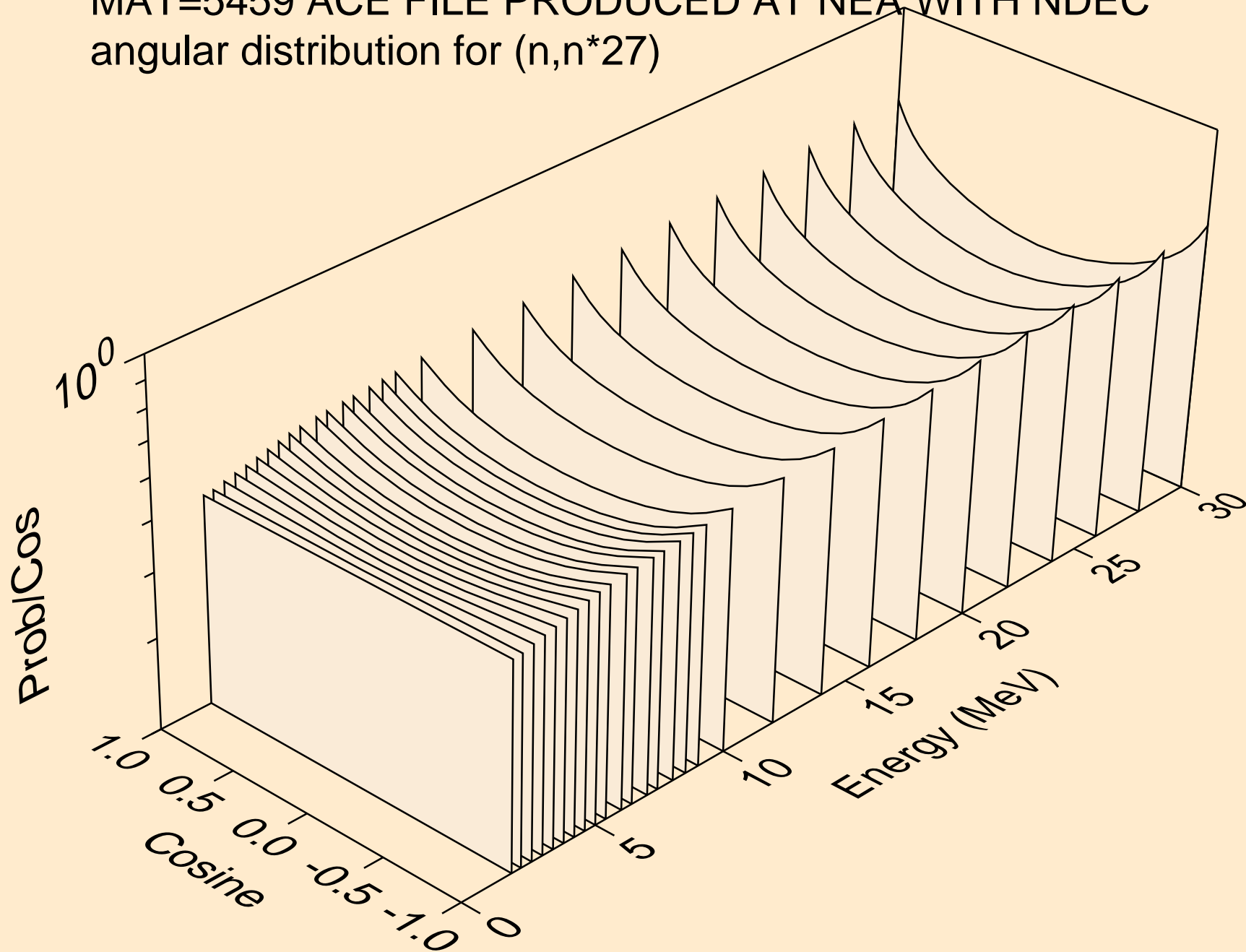




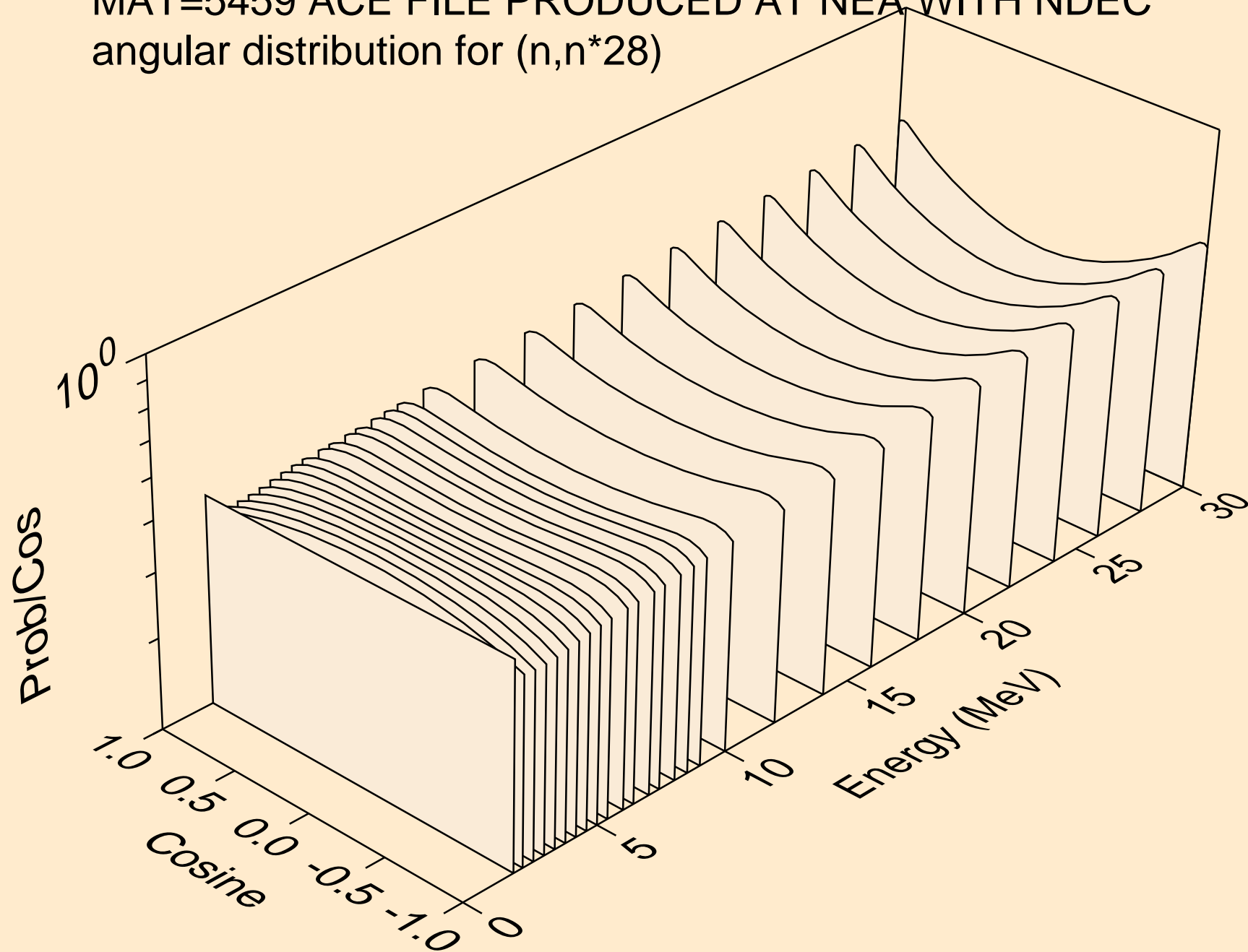
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*26)



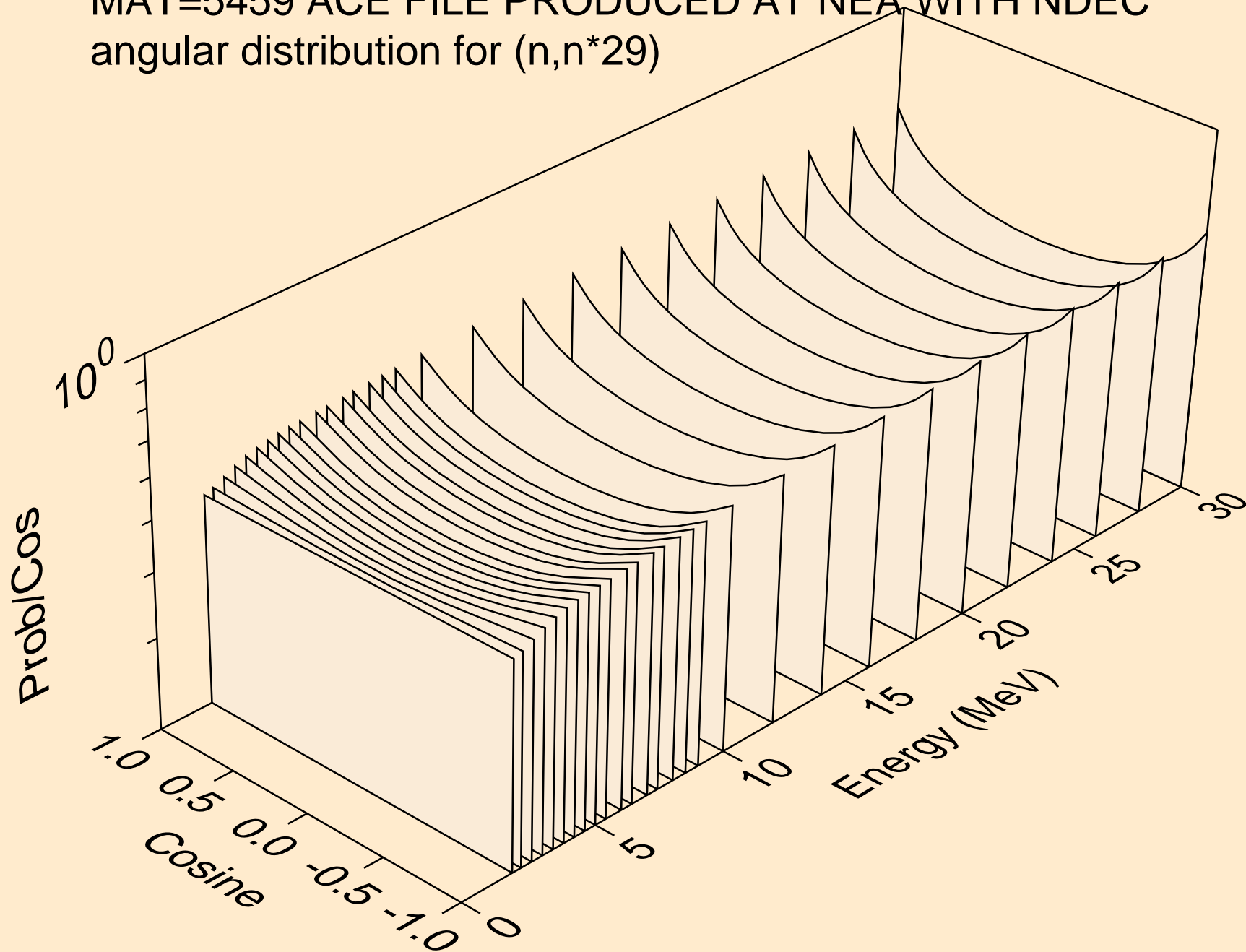
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*27)



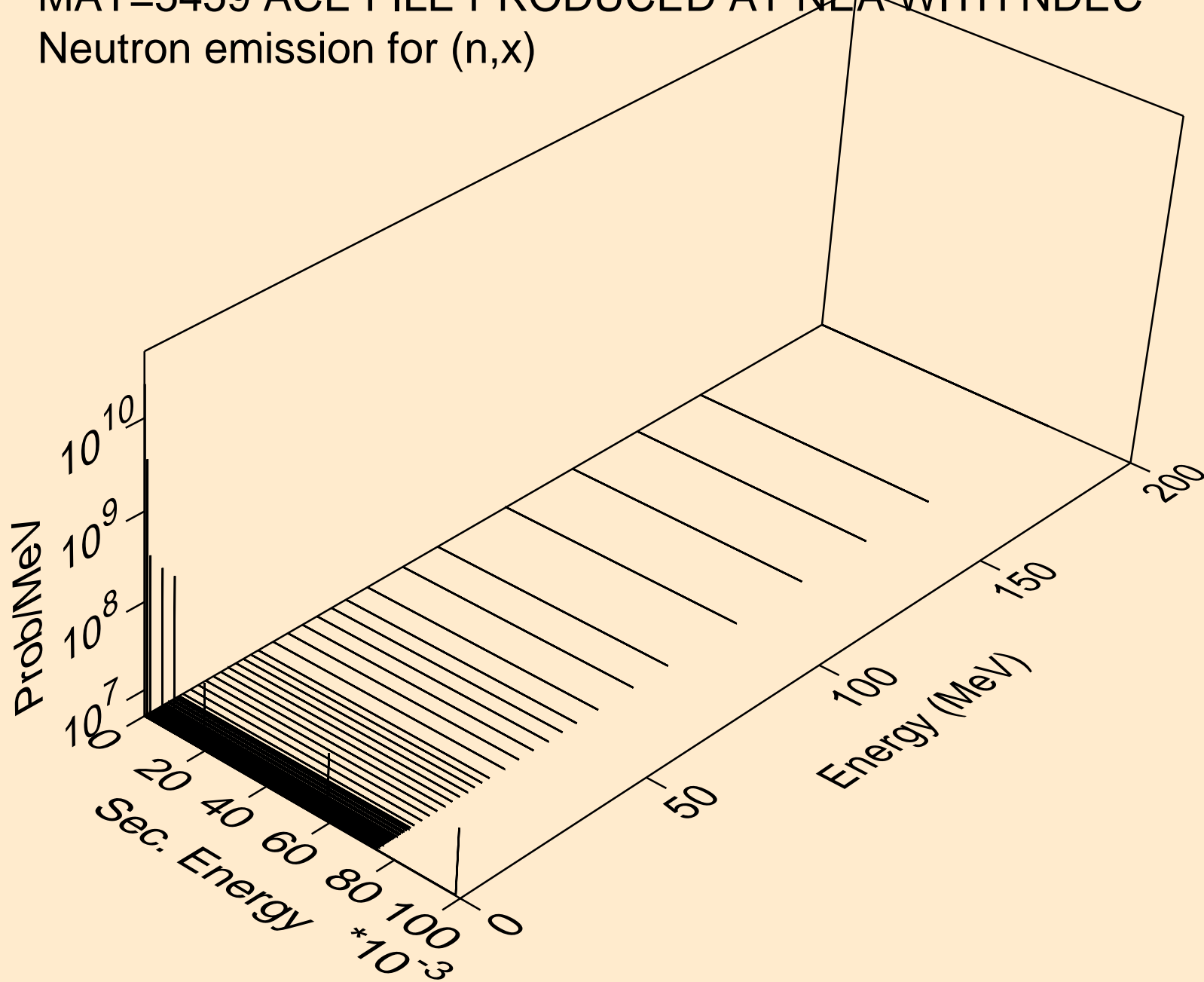
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*28)



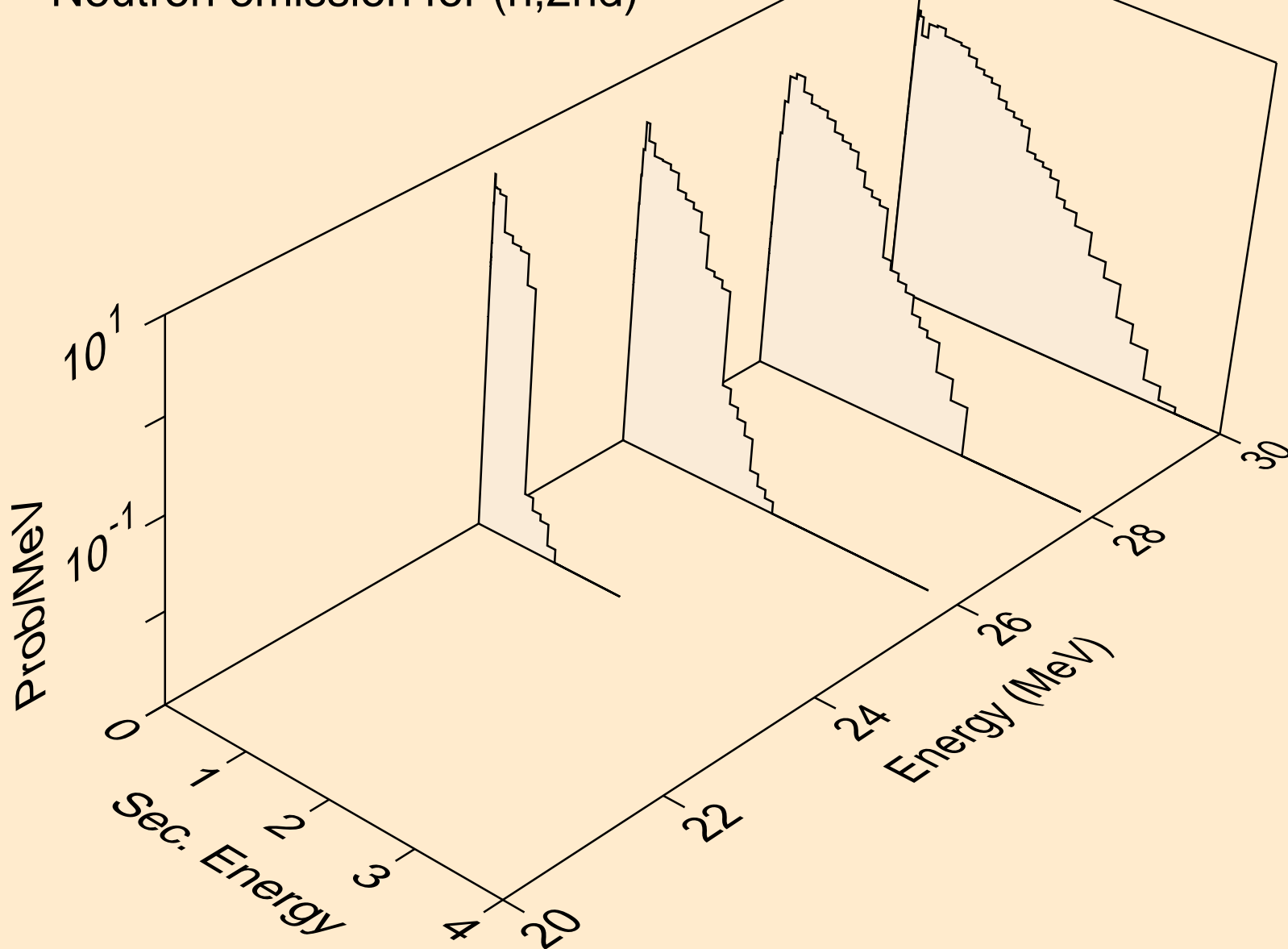
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*29)



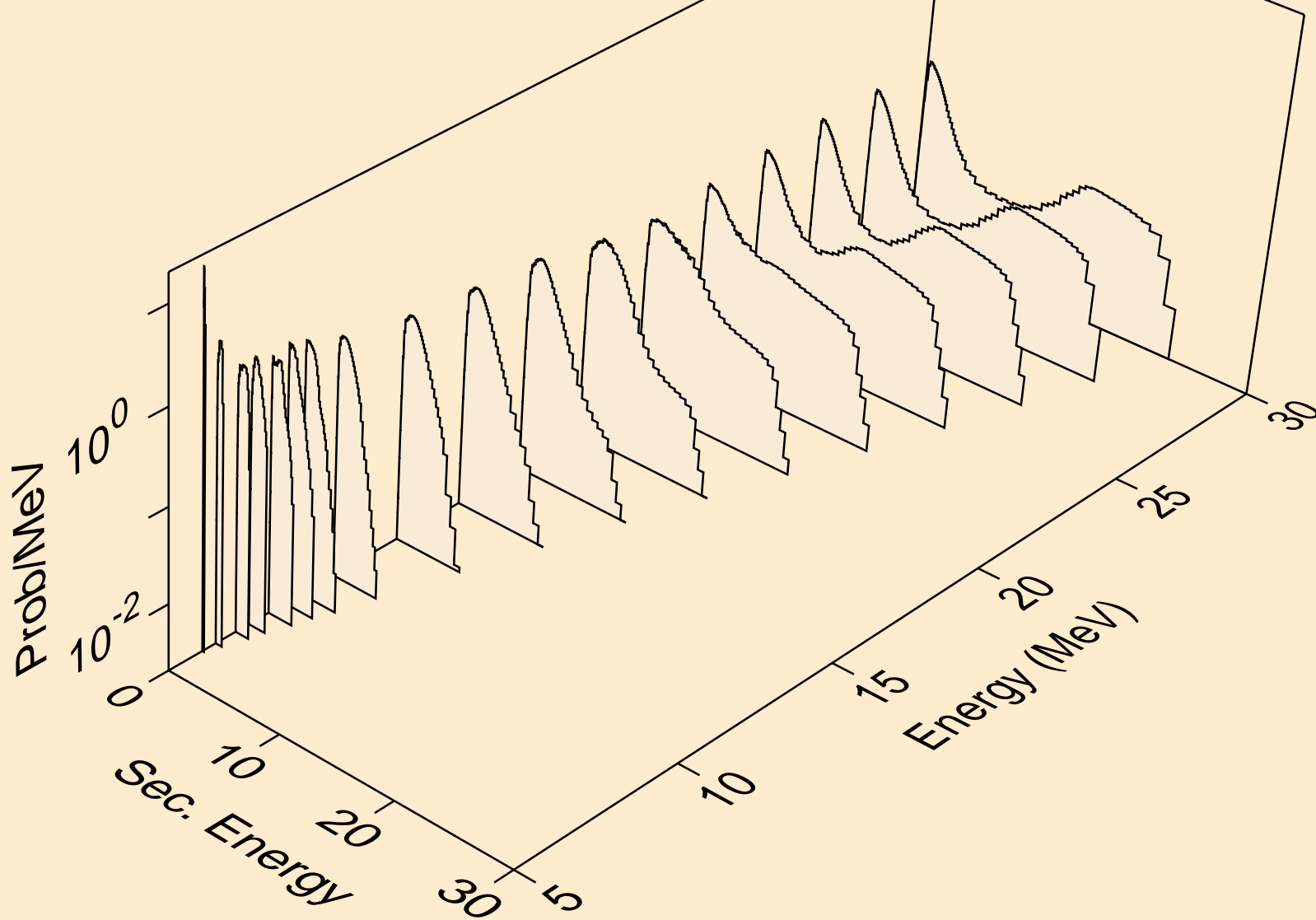
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,x)



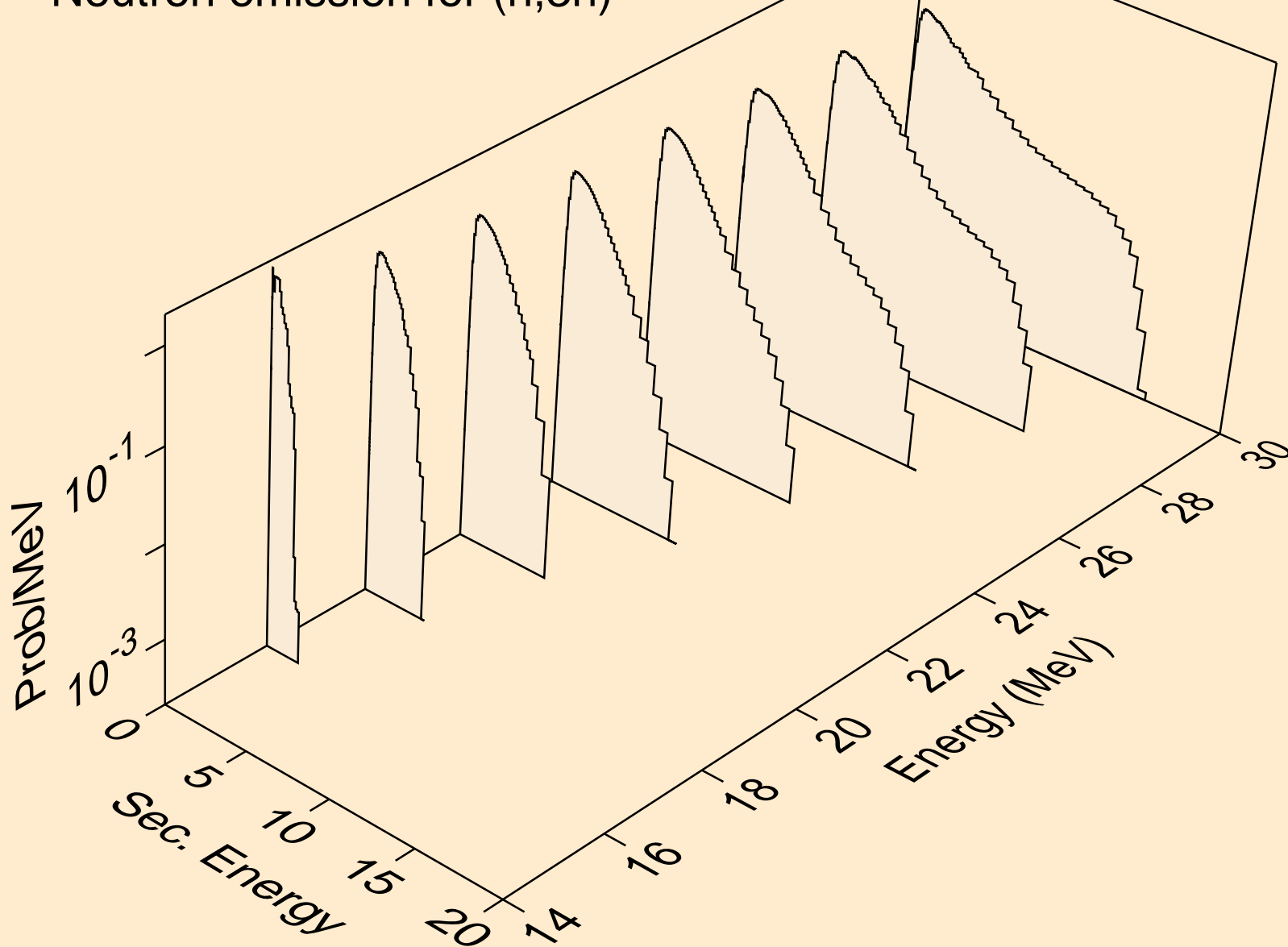
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2nd)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)

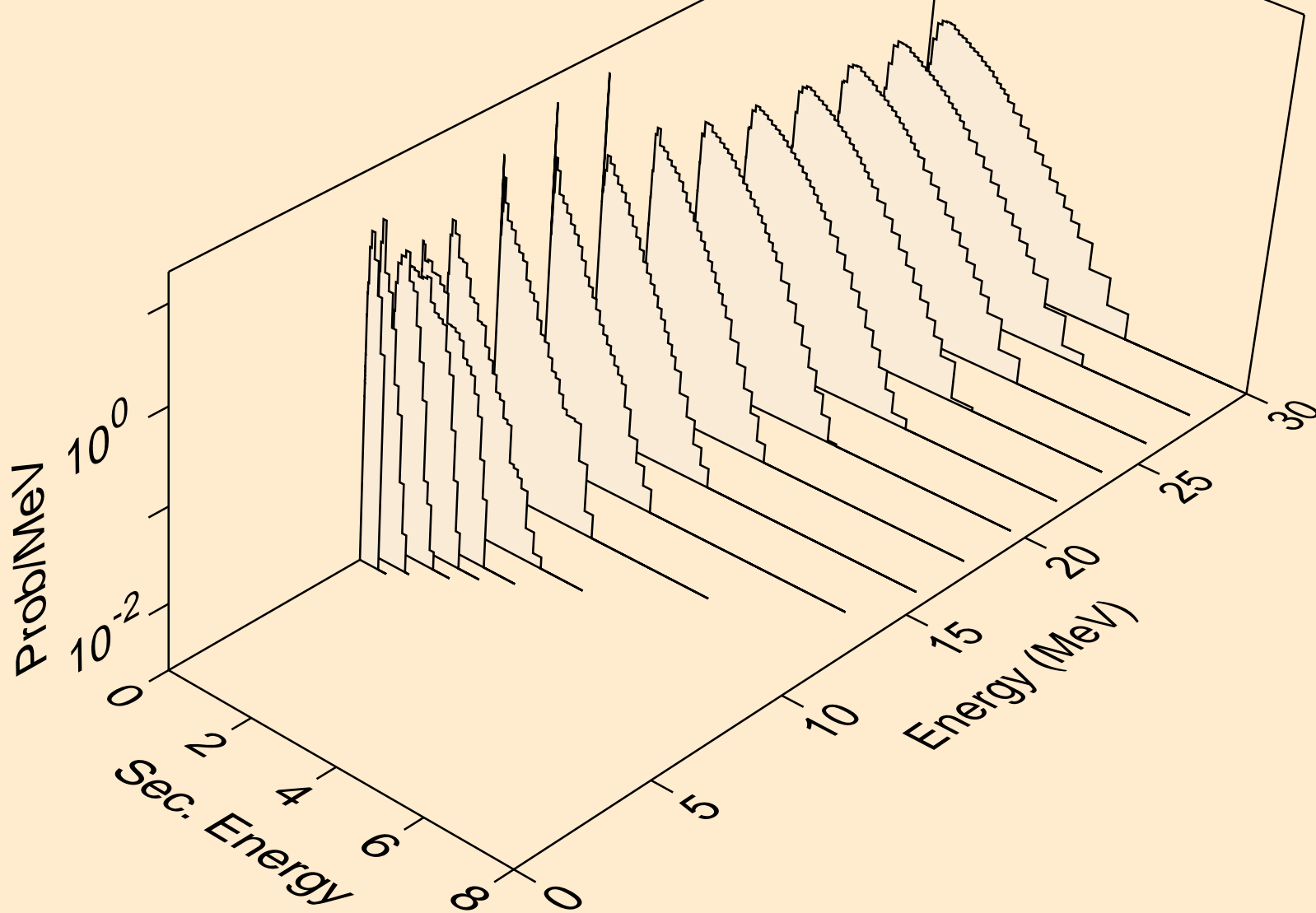


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)

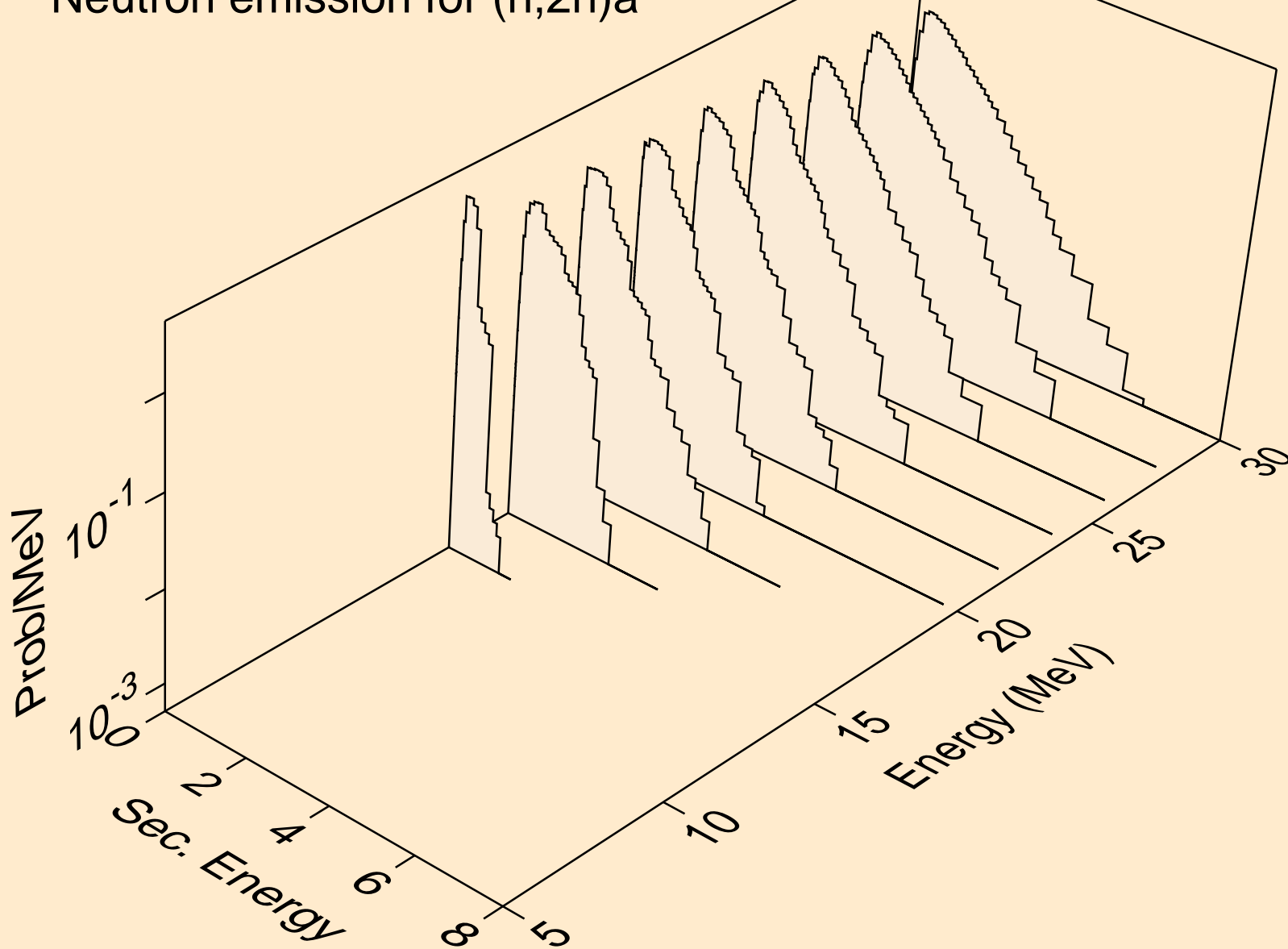




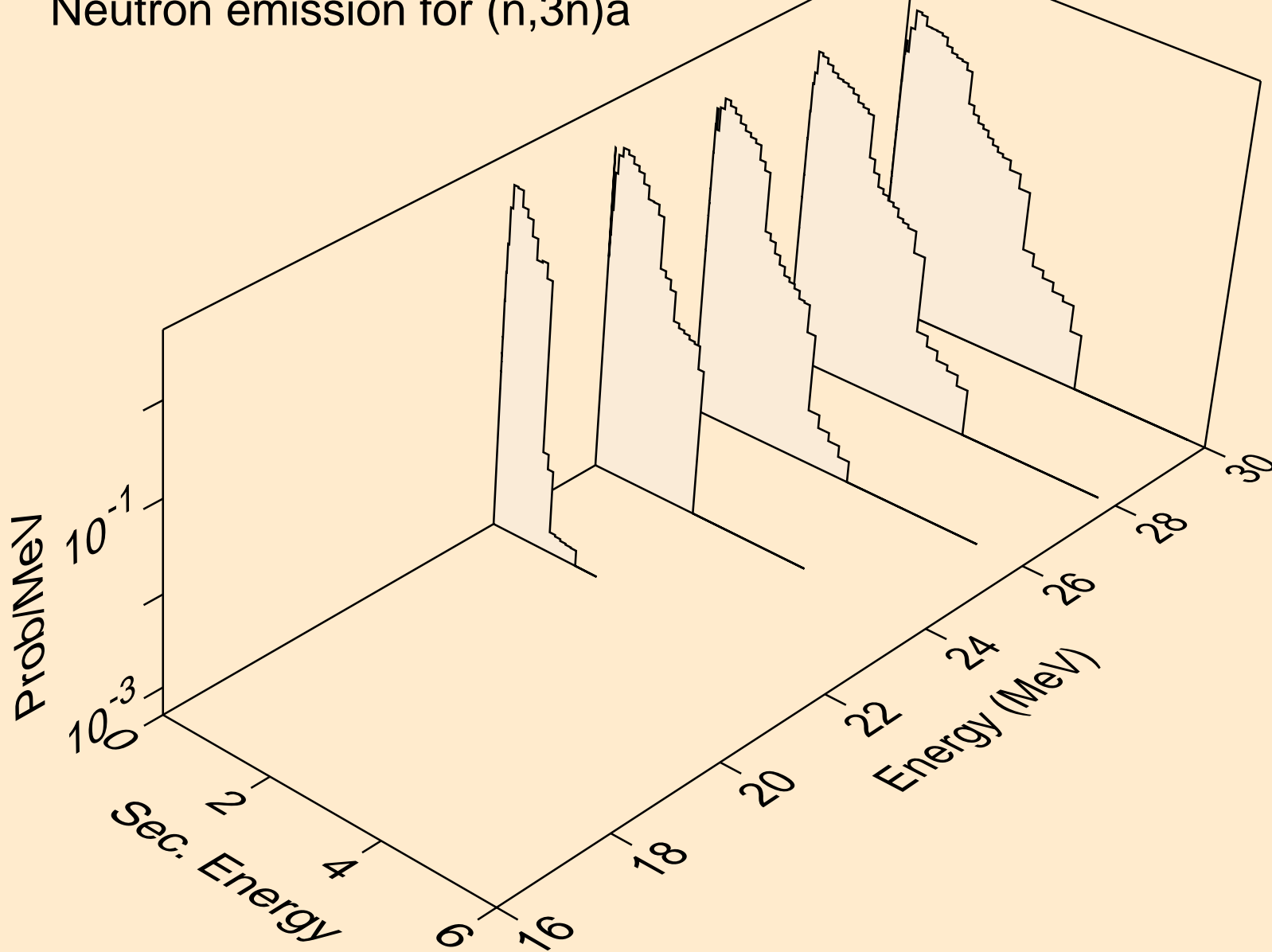
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)a



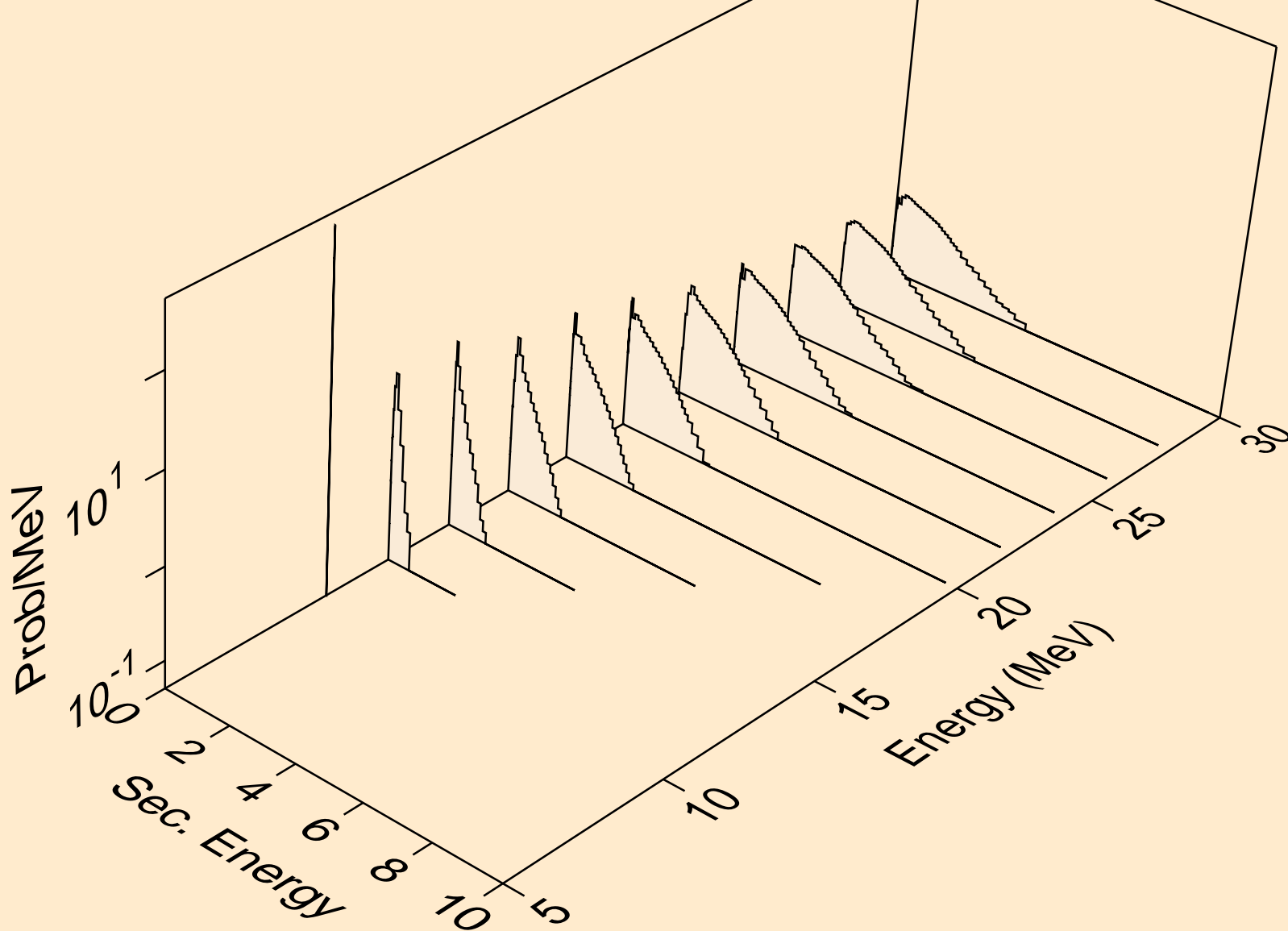
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)a



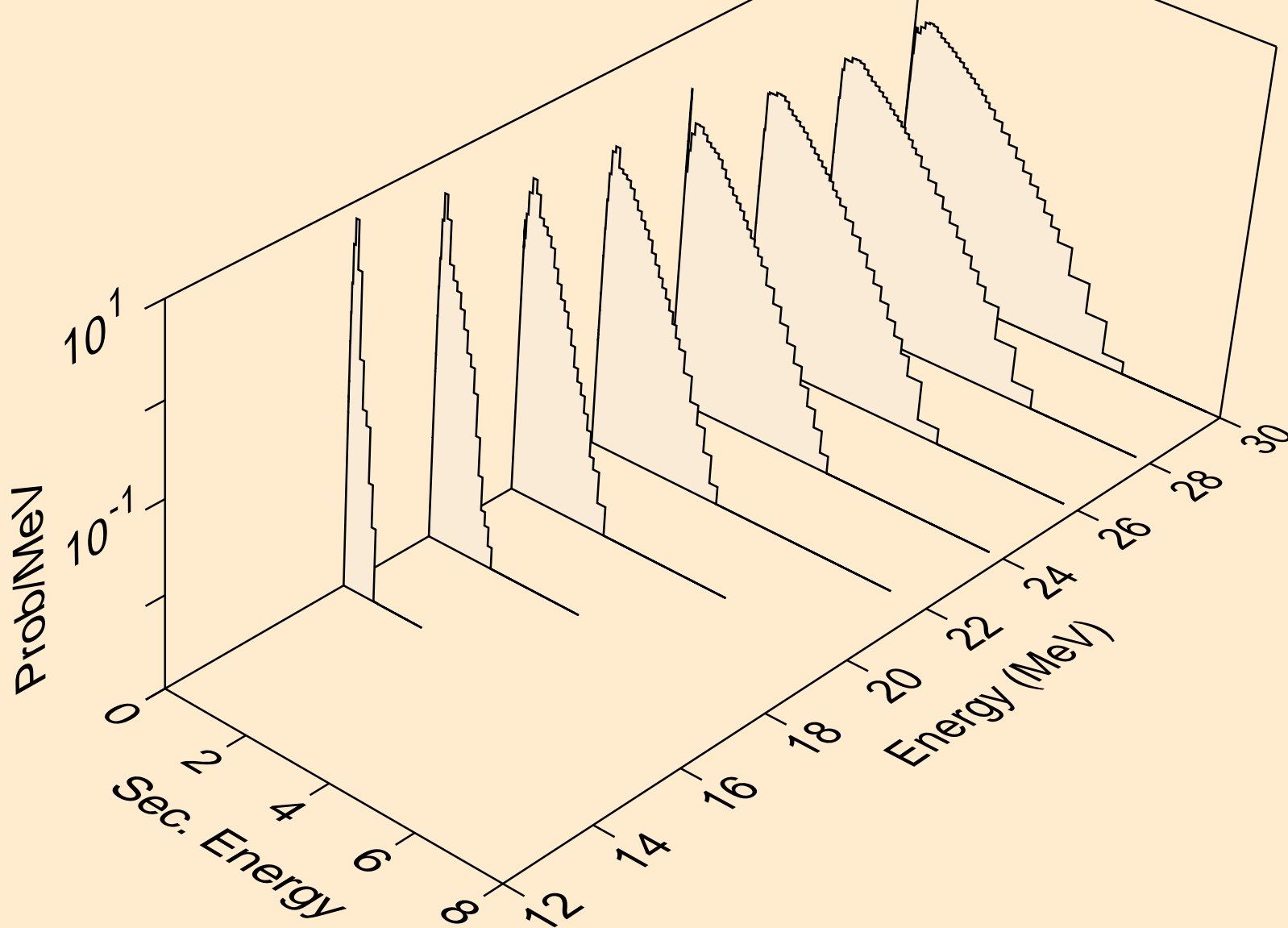
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)a



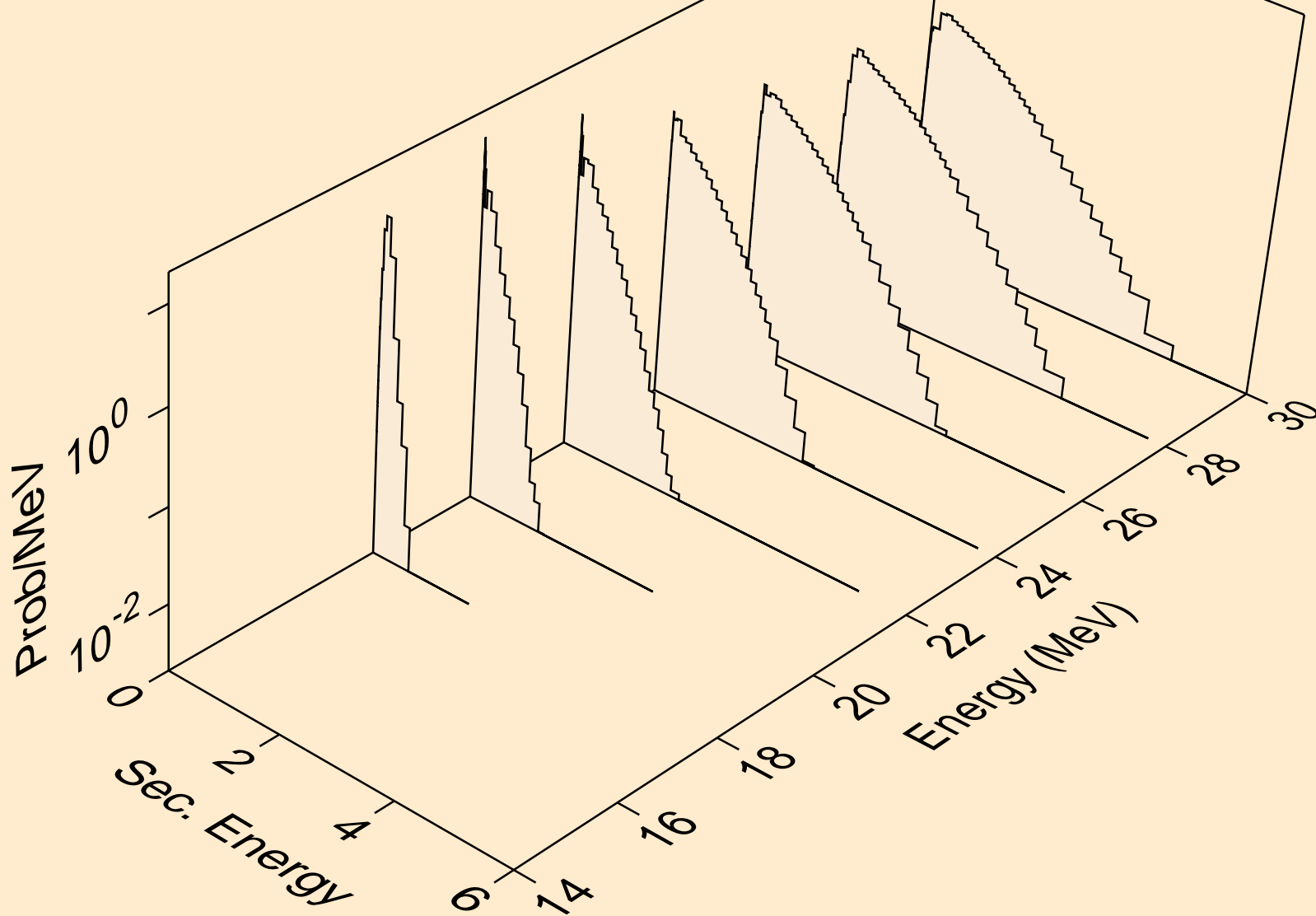
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)p



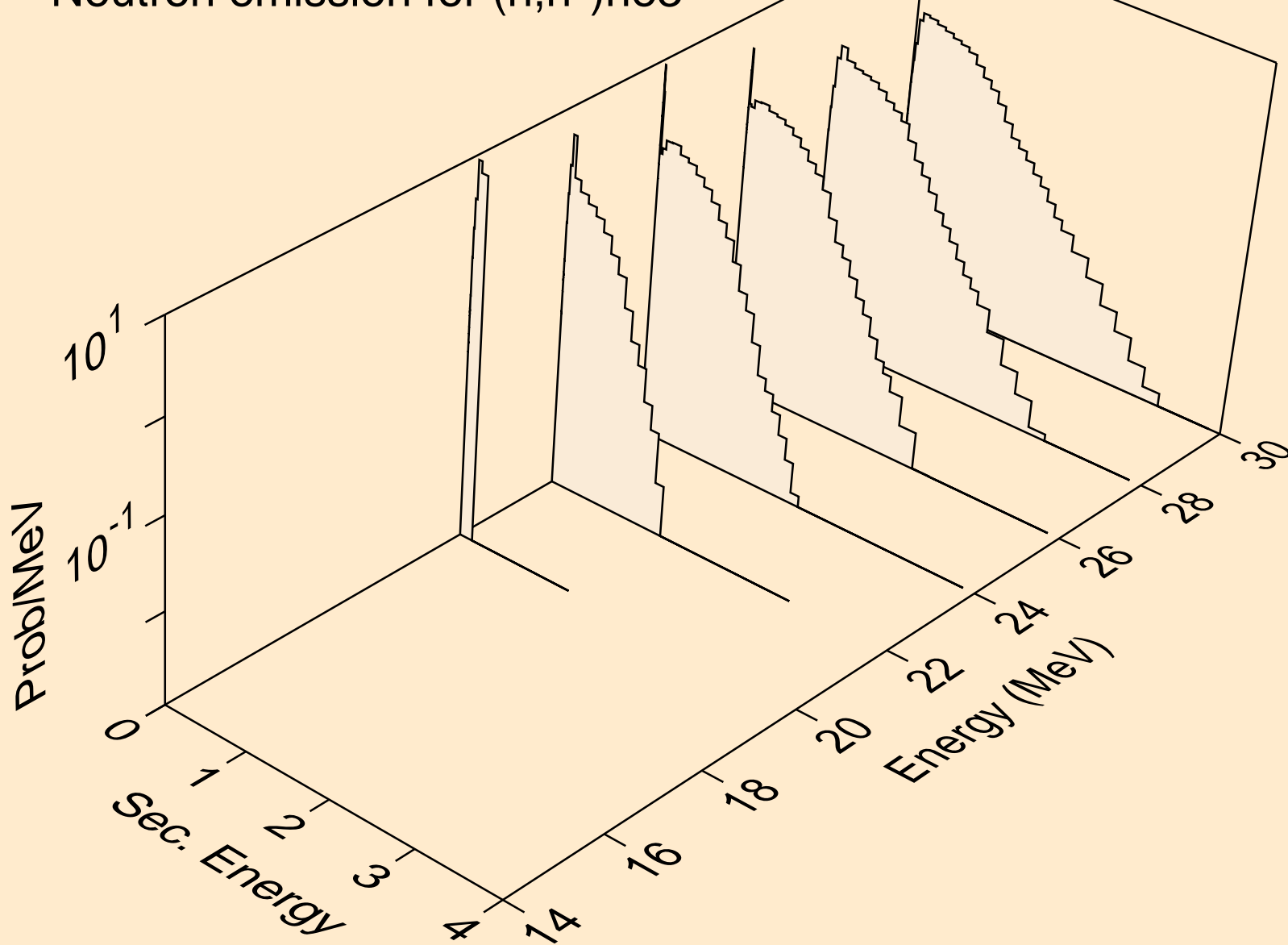
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)d



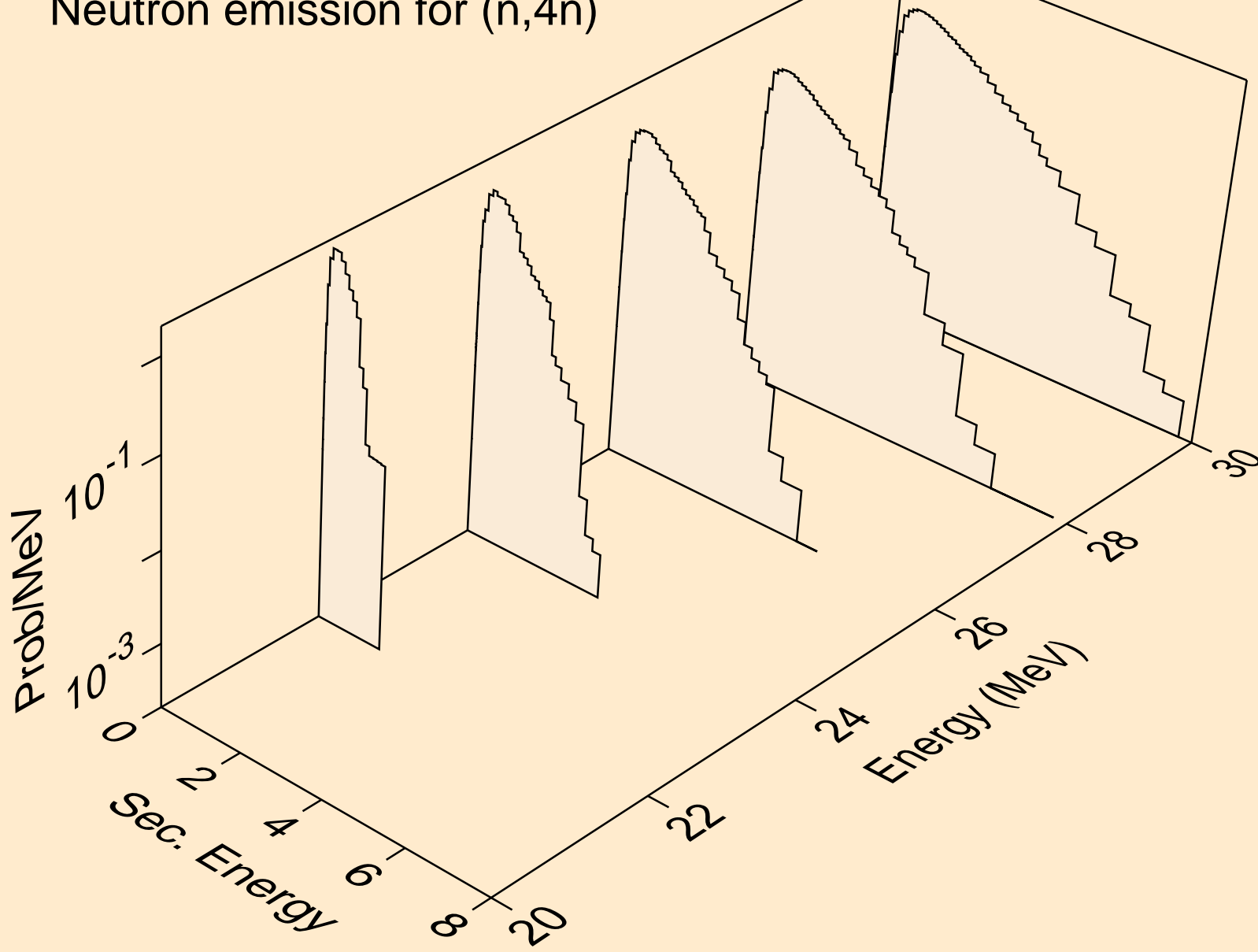
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)t



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)he3

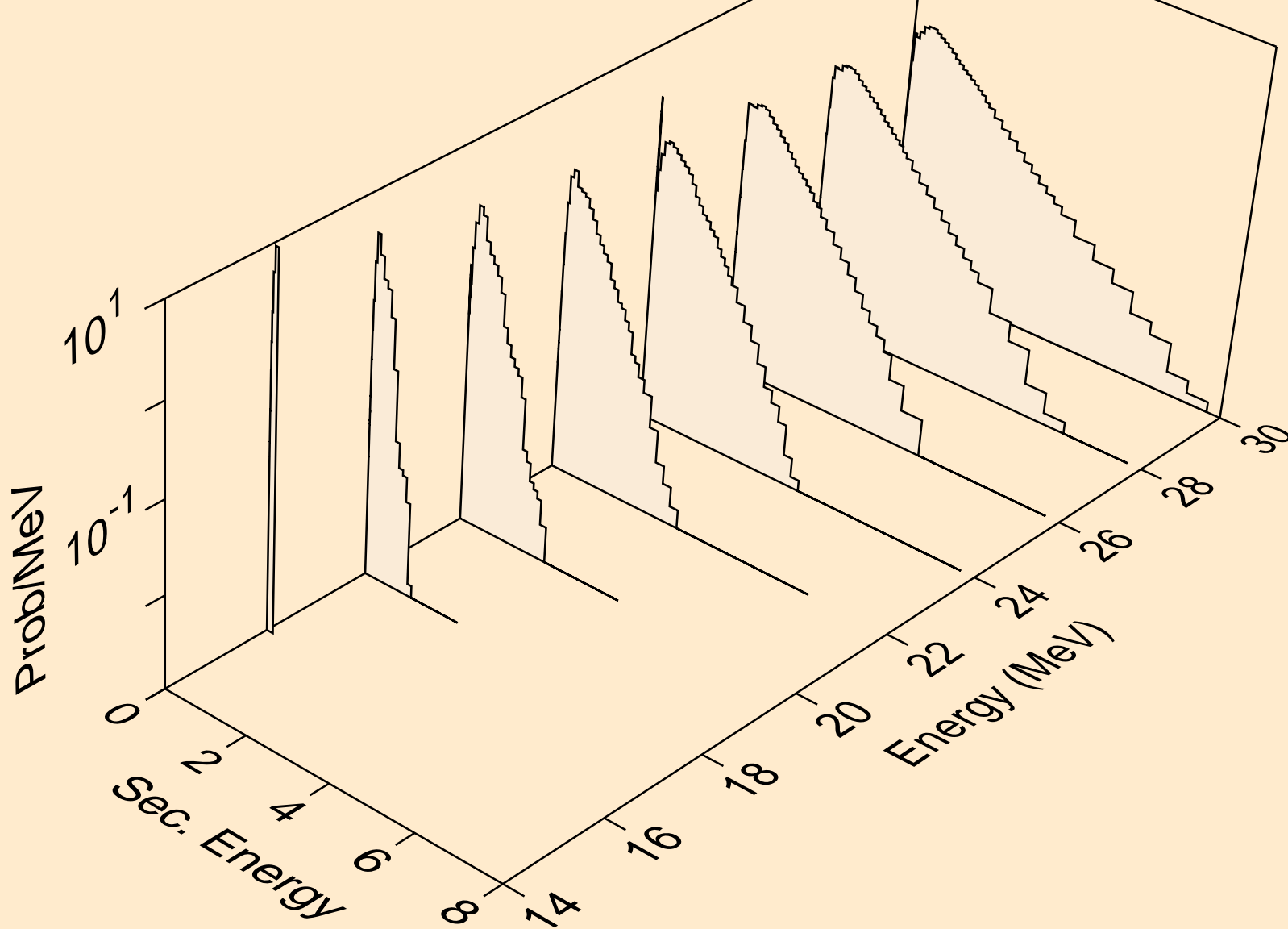


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,4n)

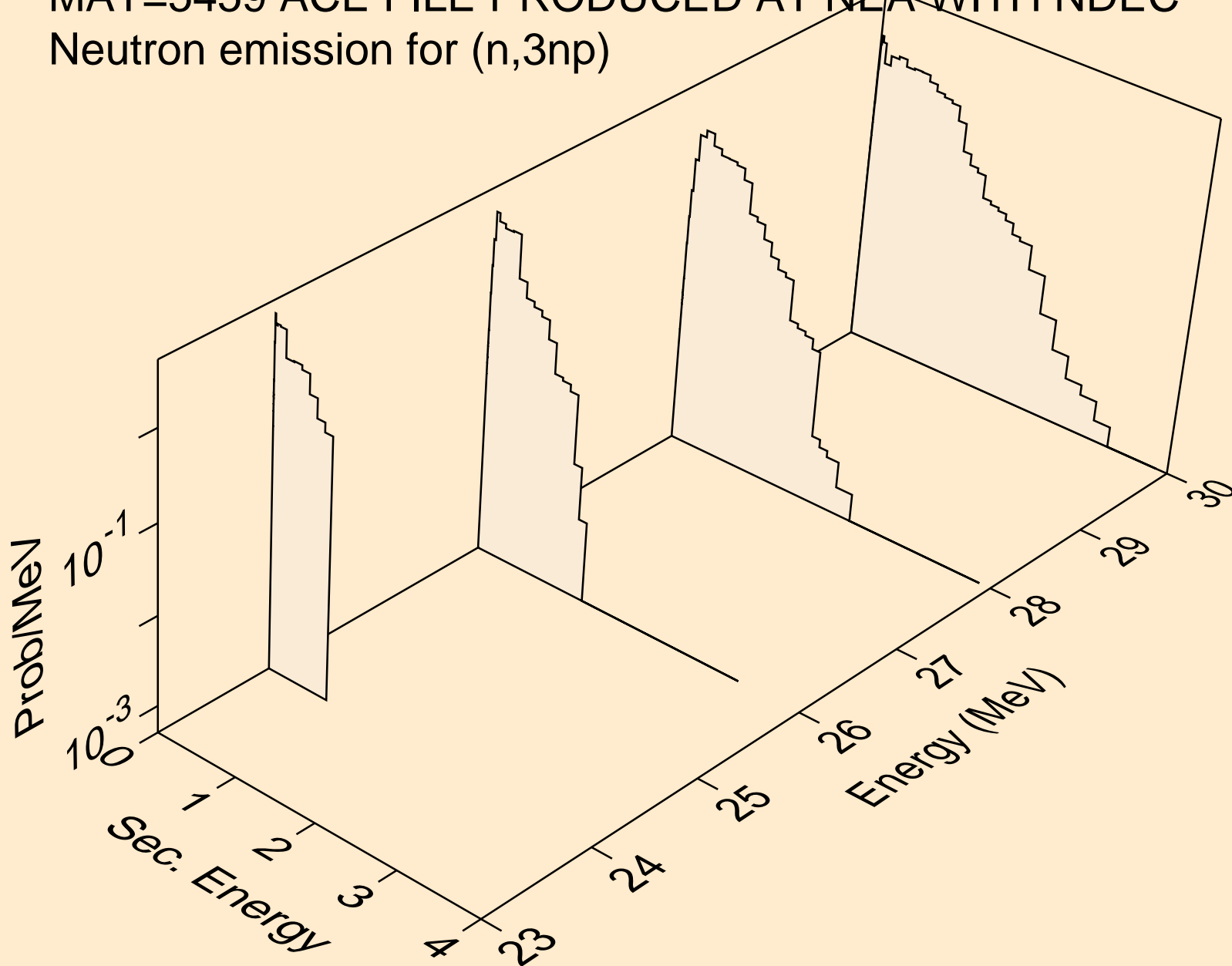




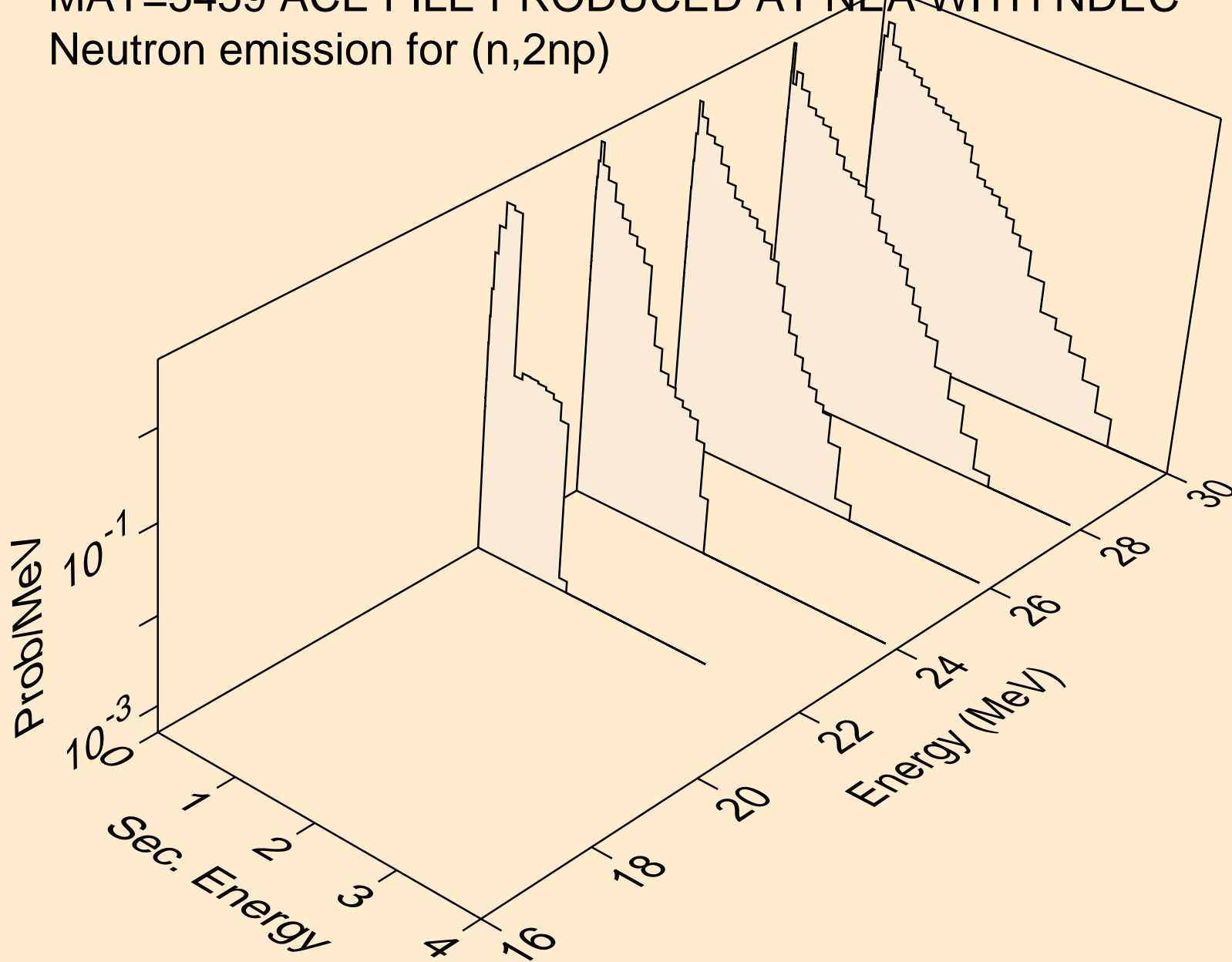
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2np)



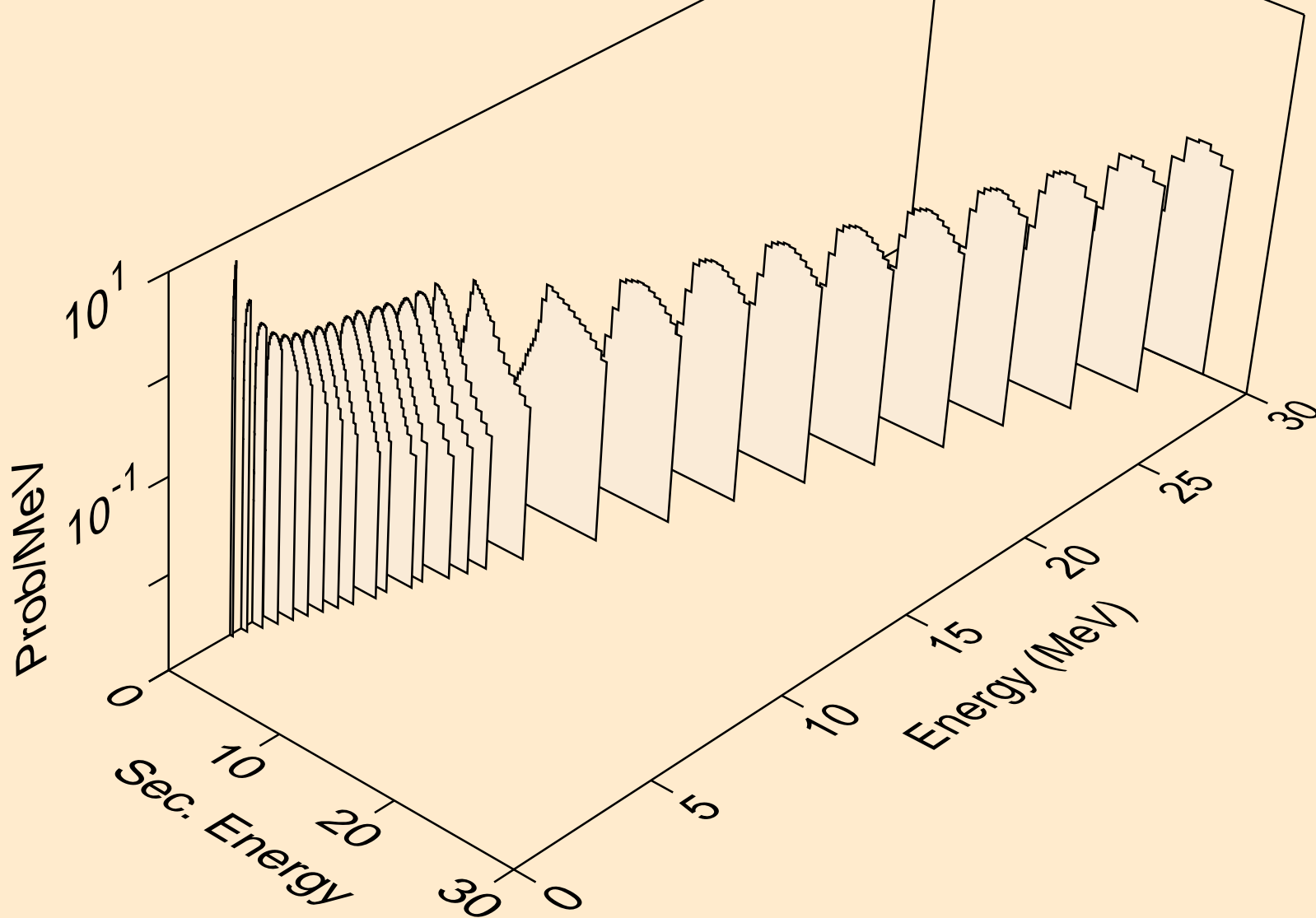
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3np)



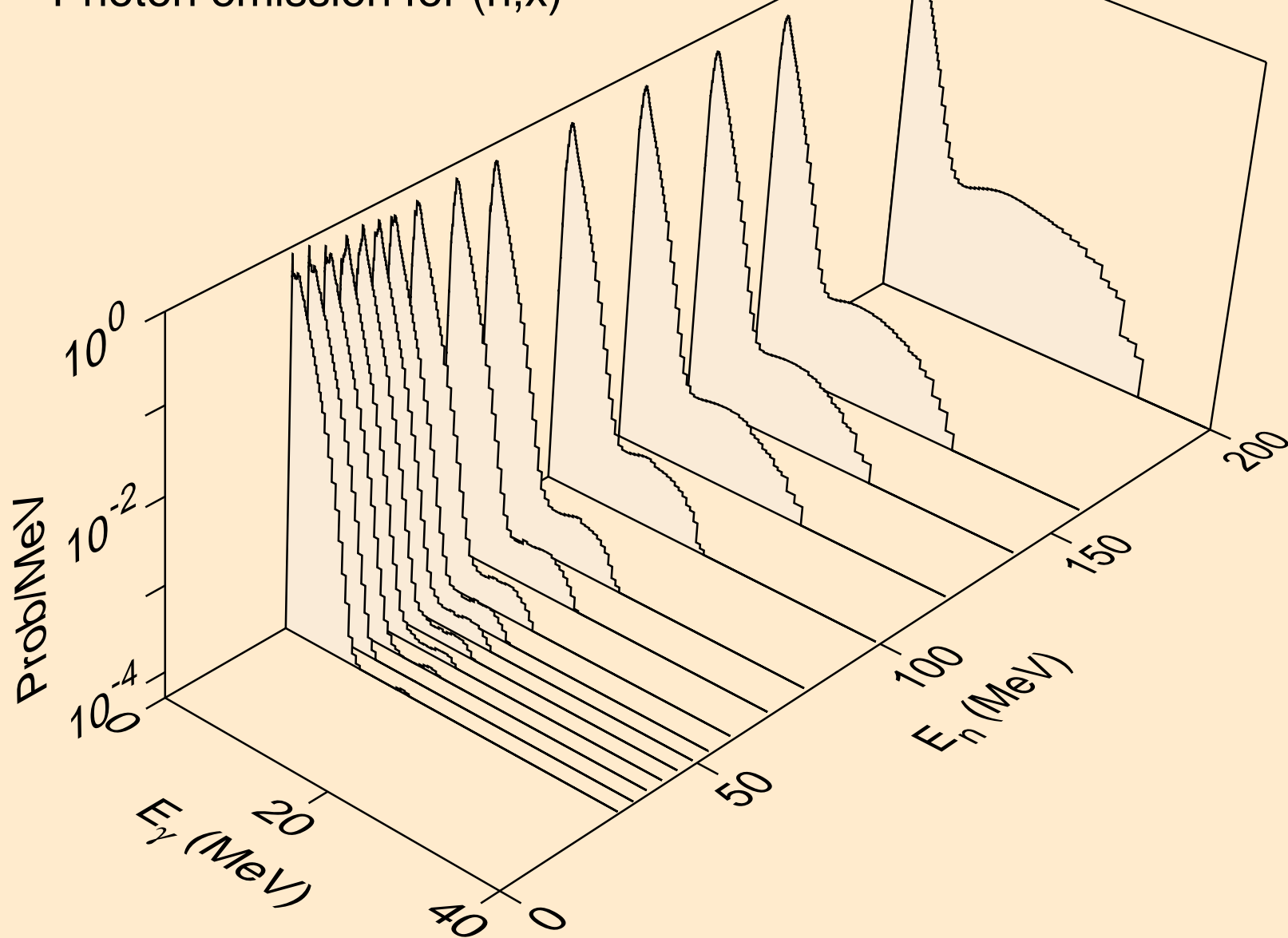
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2np)



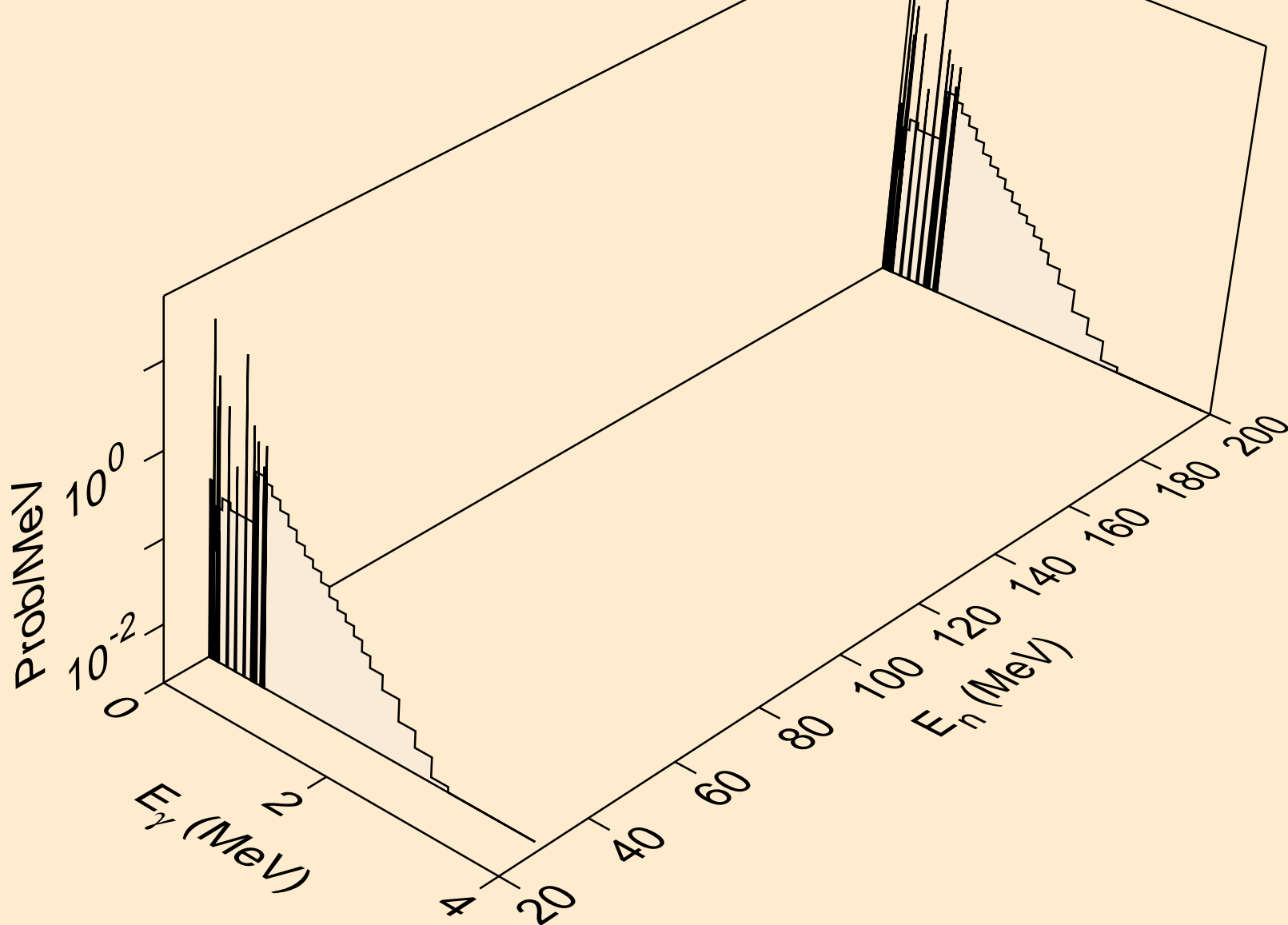
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*c)



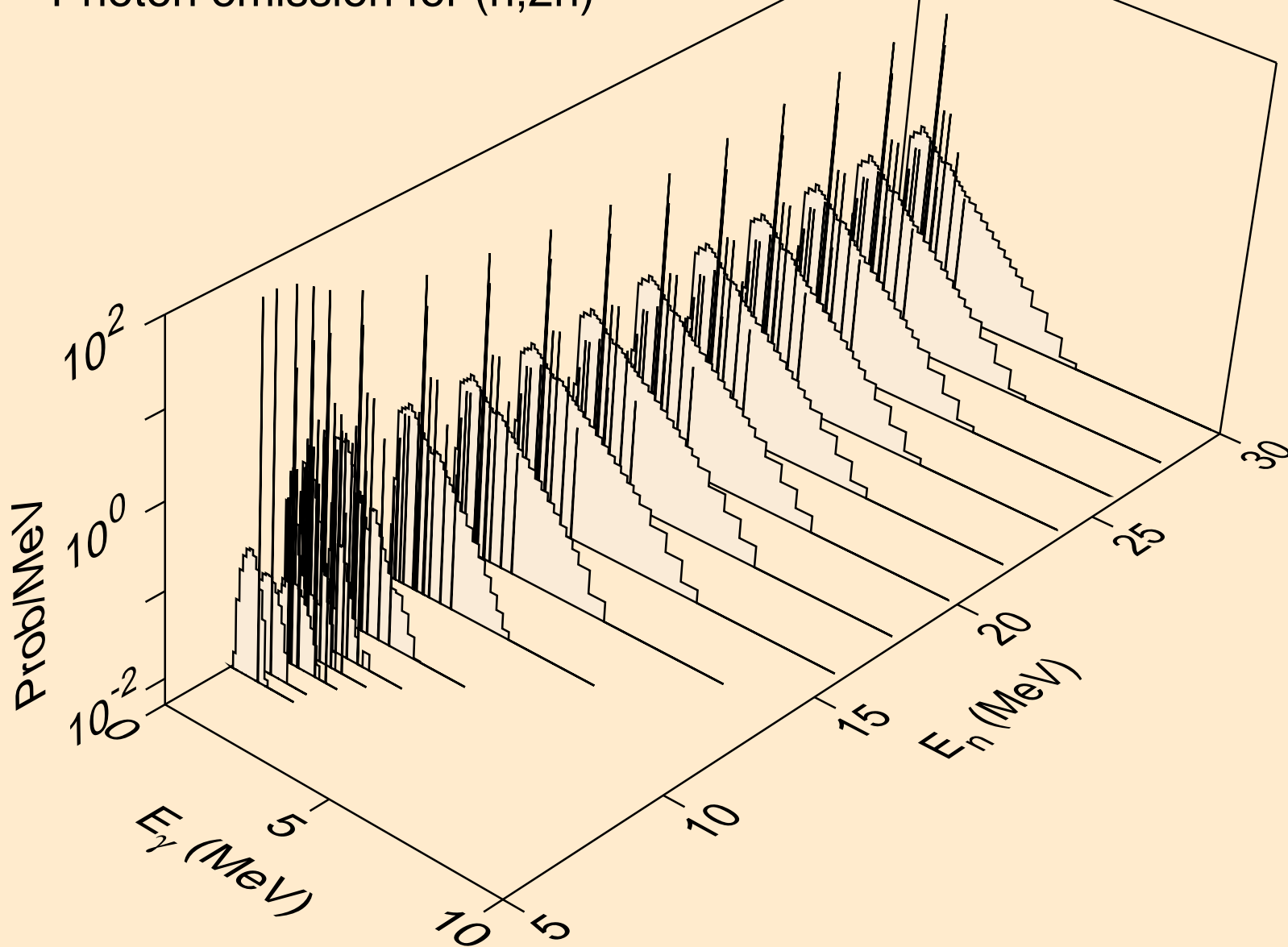
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,x)



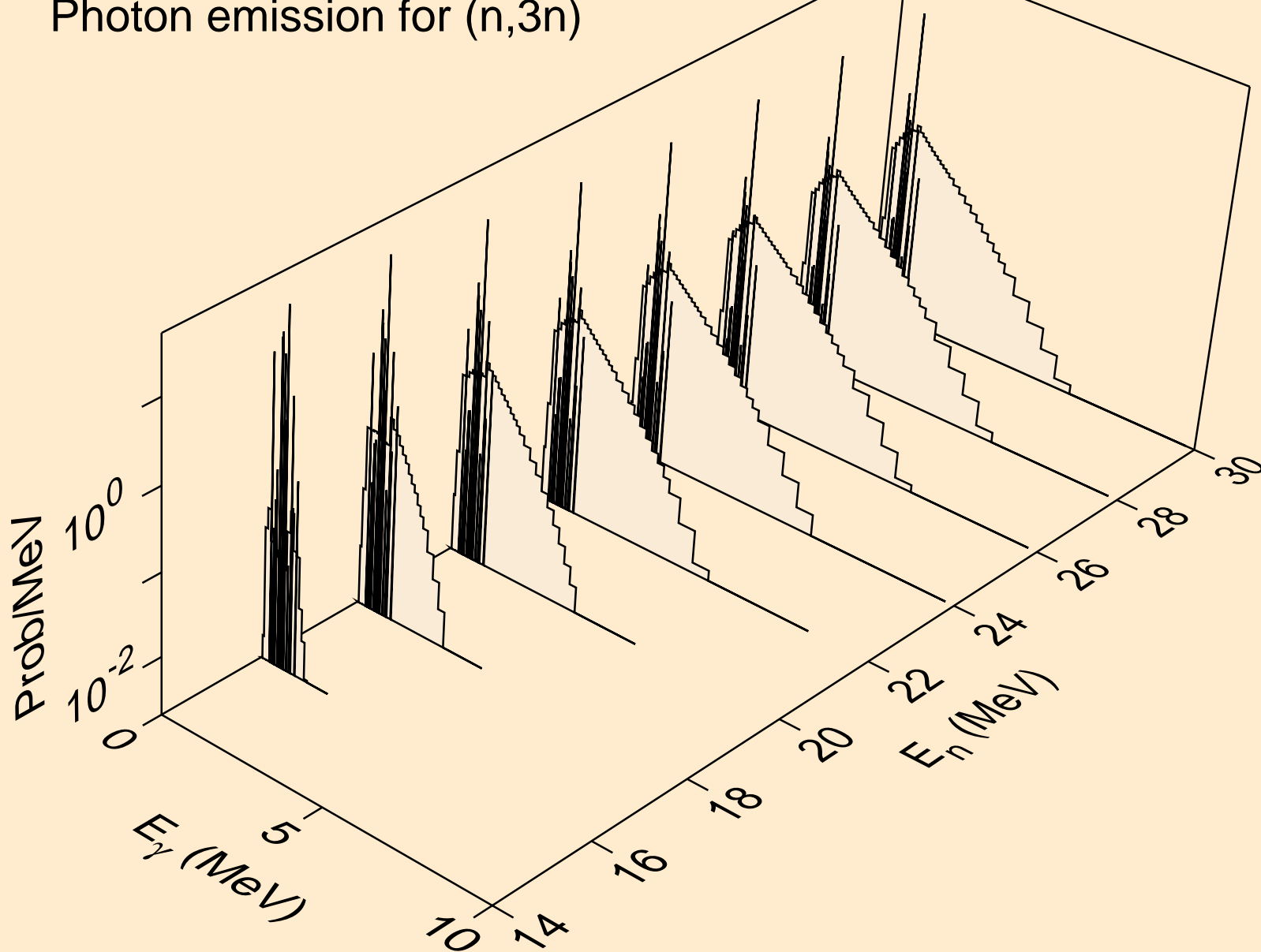
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Photon emission for (n,2nd)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,2n)

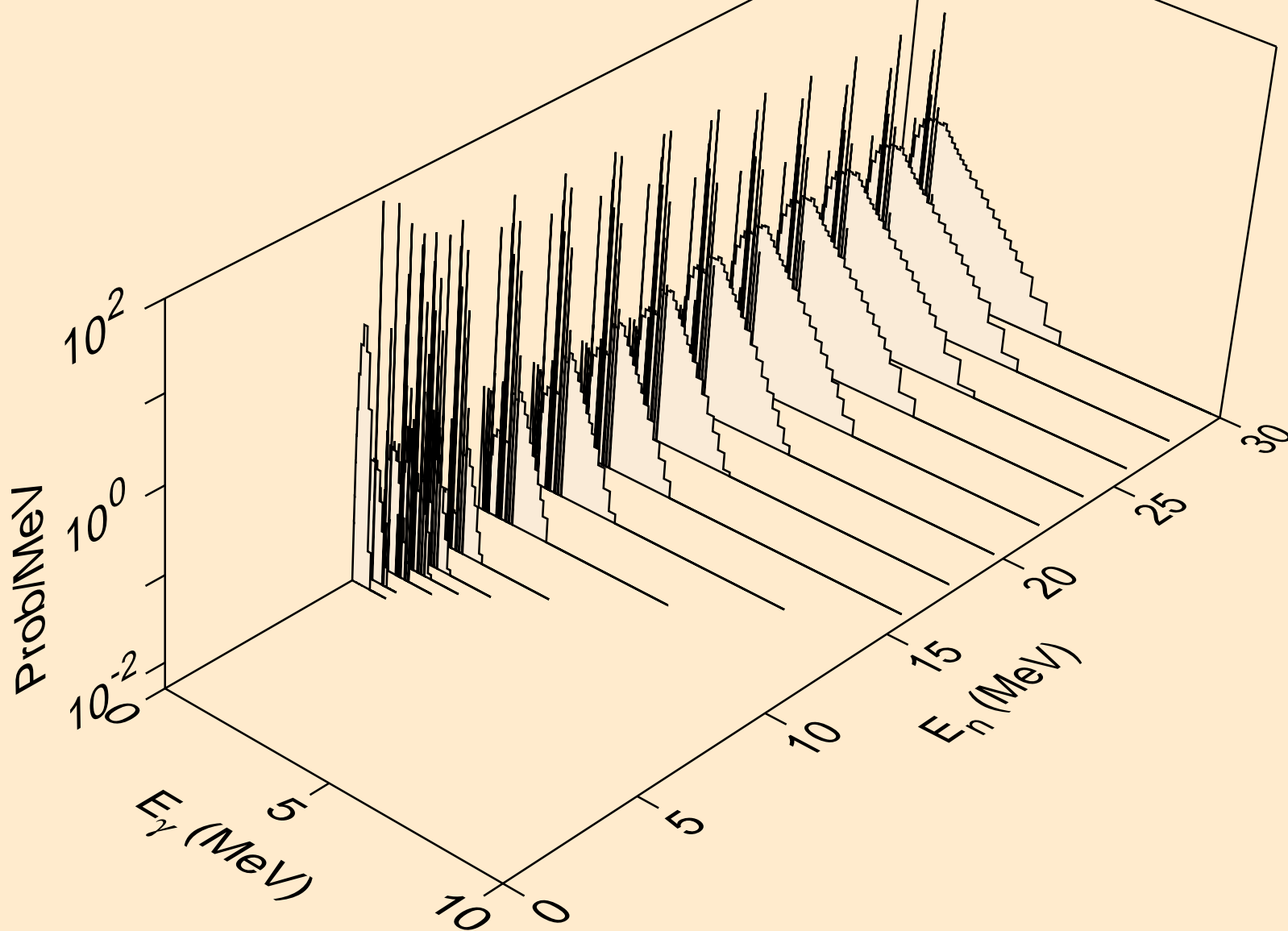


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,3n)

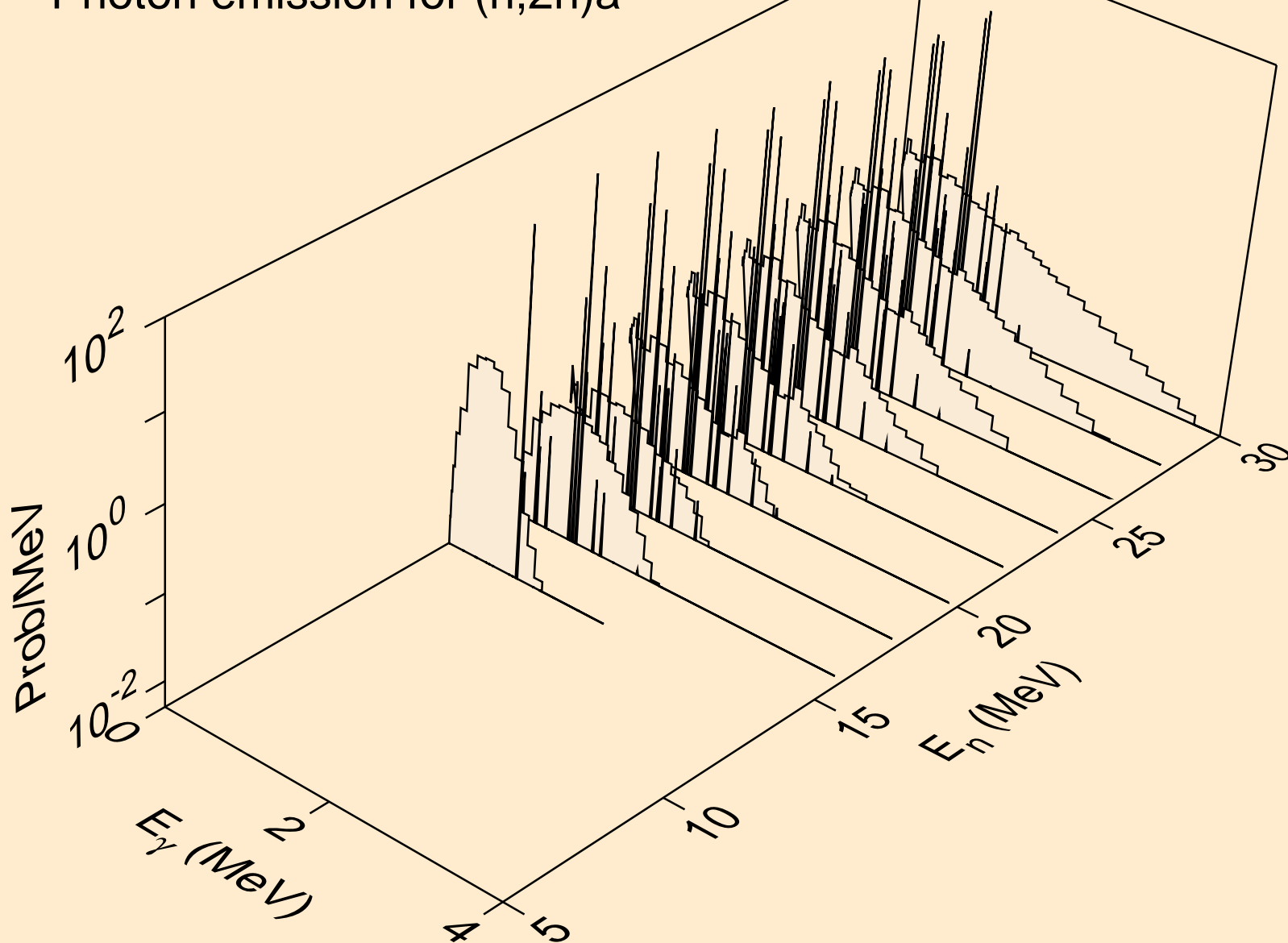




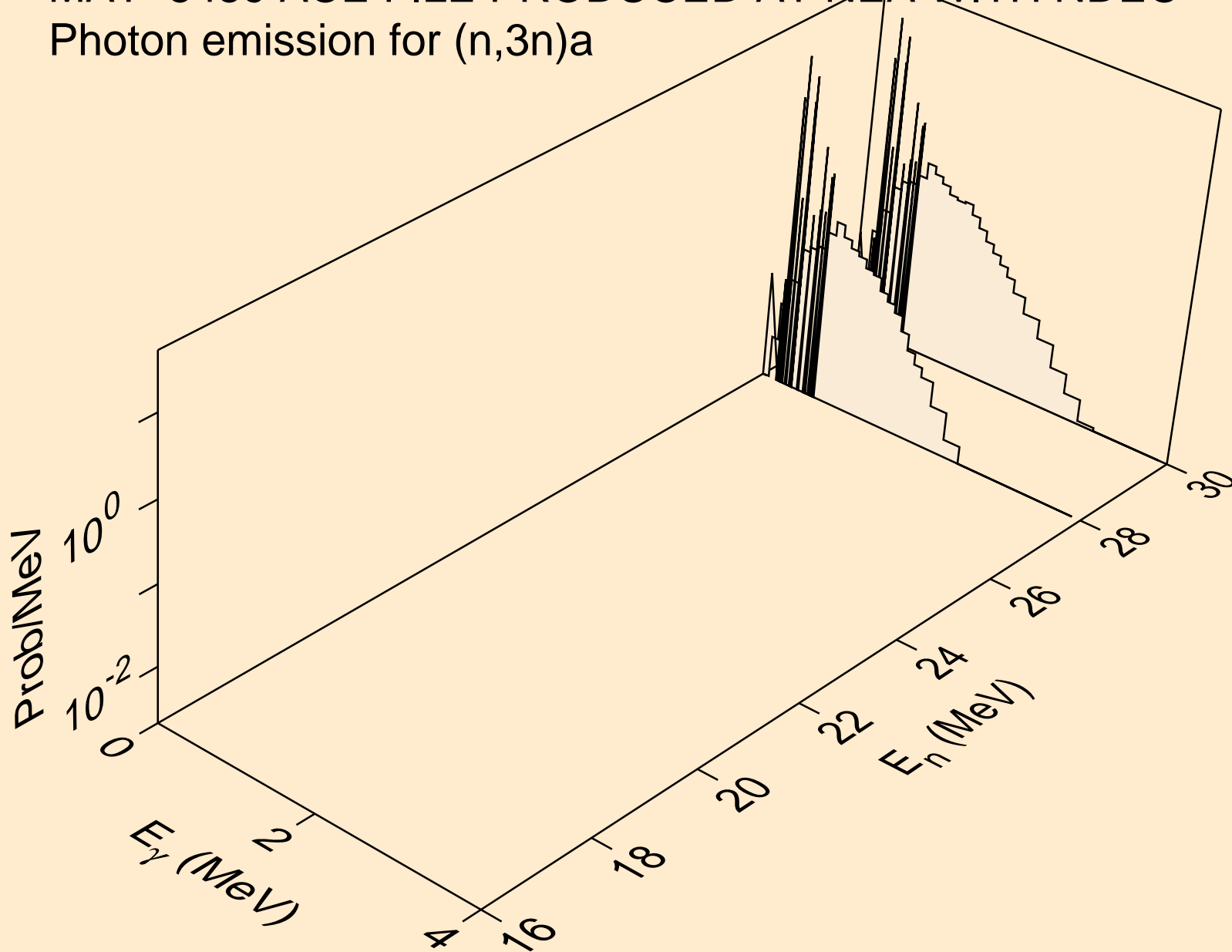
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Photon emission for (n,n\*)a



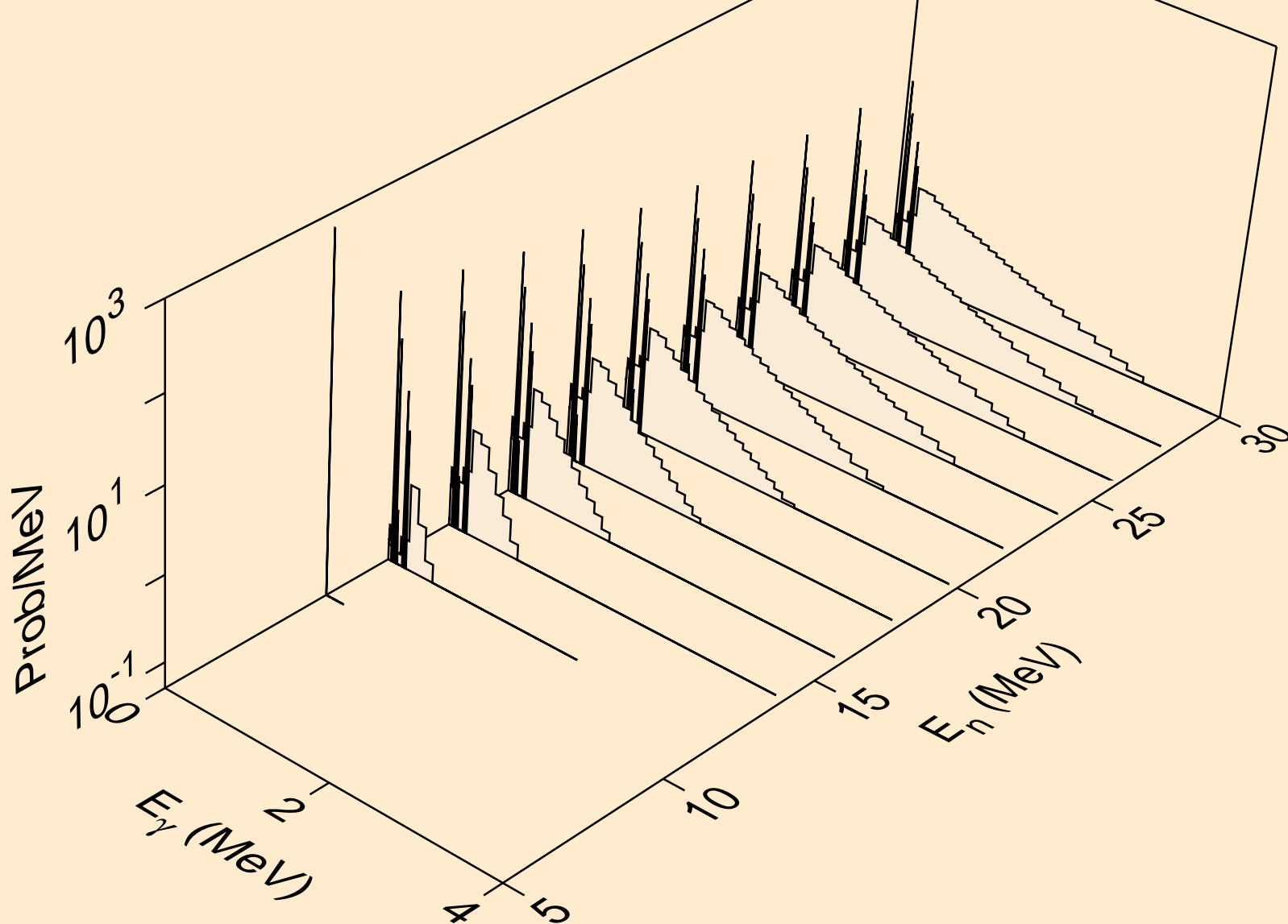
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Photon emission for (n,2n)a



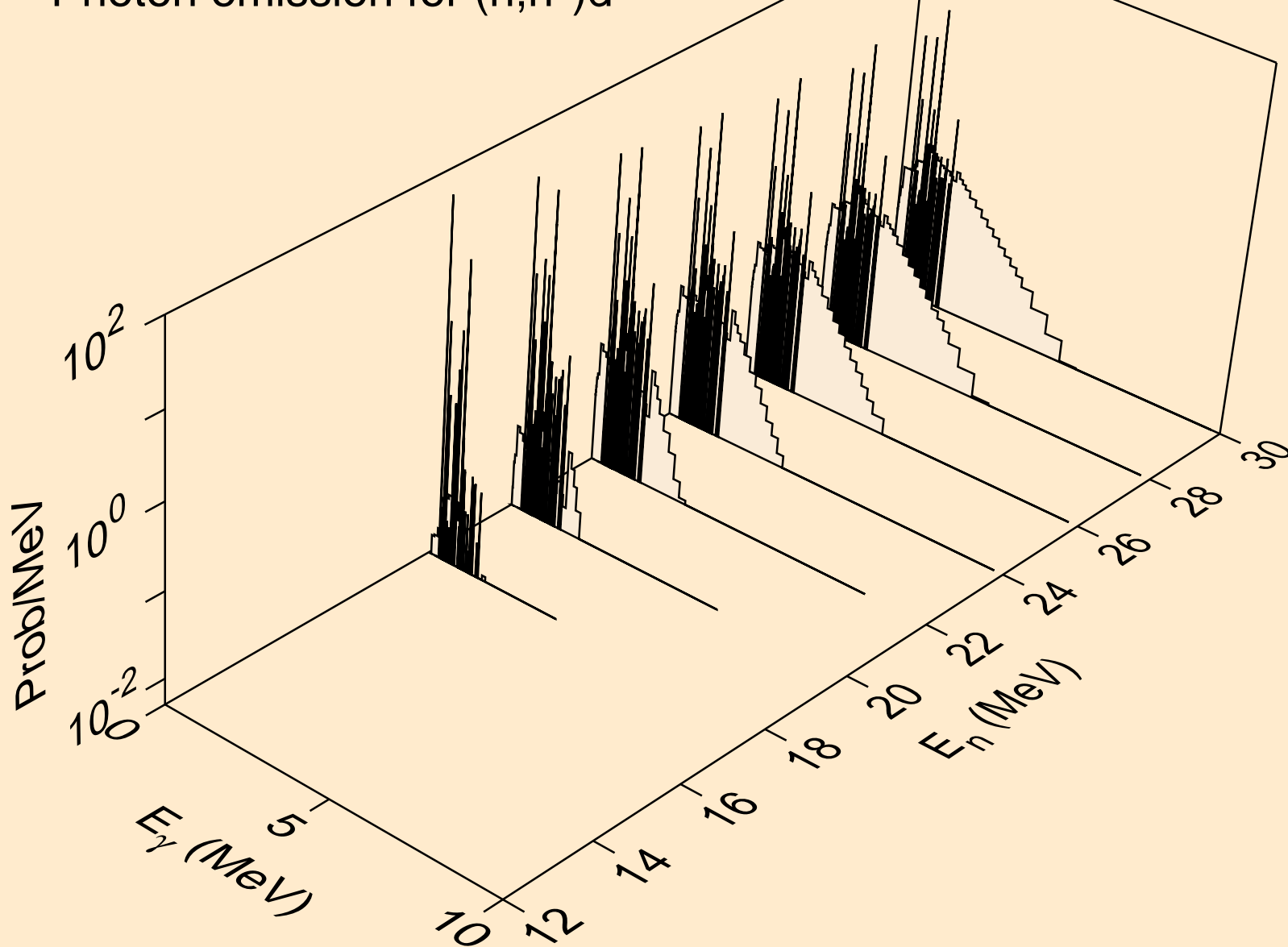
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Photon emission for (n,3n)a



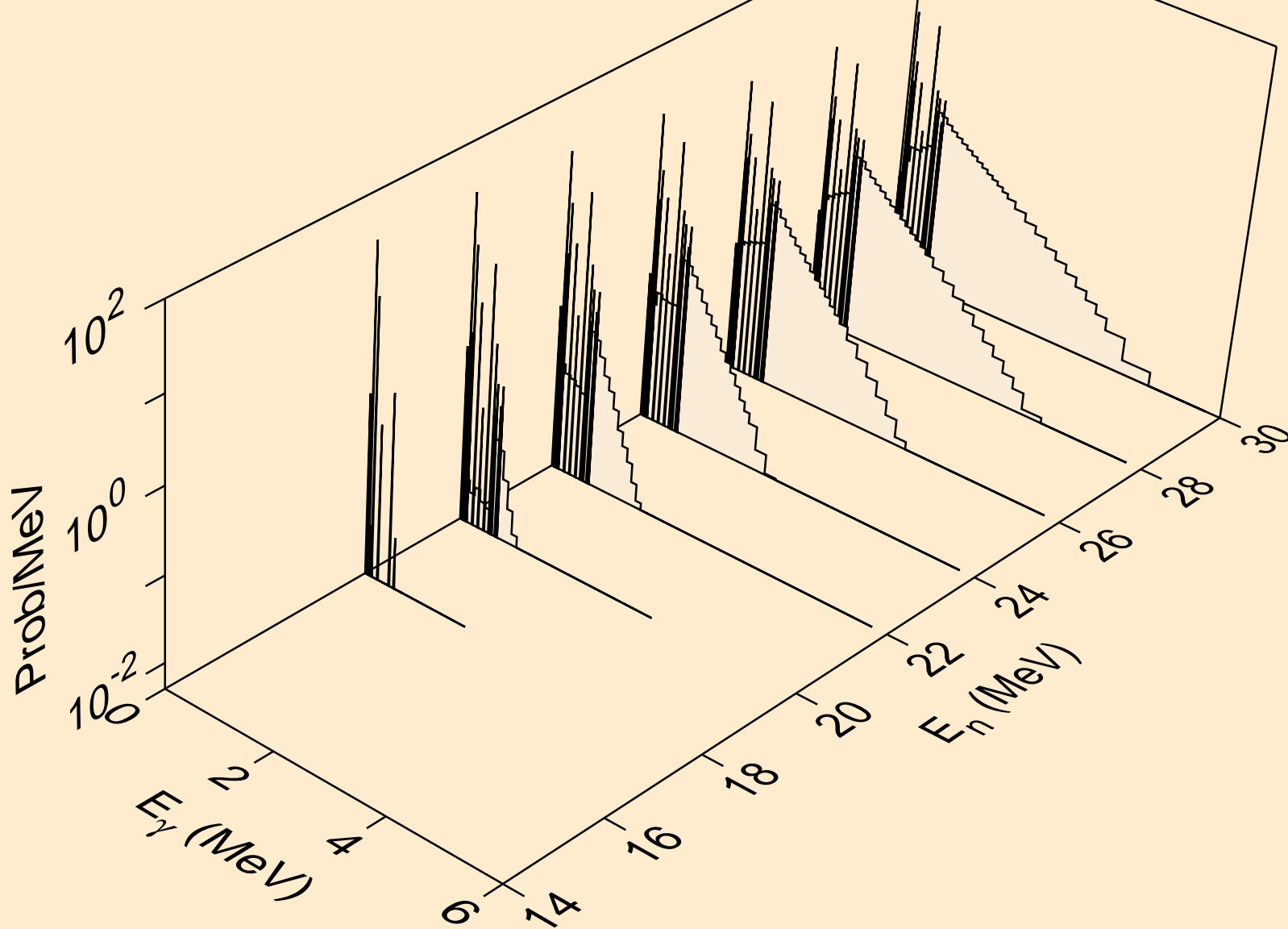
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Photon emission for (n,n\*)p



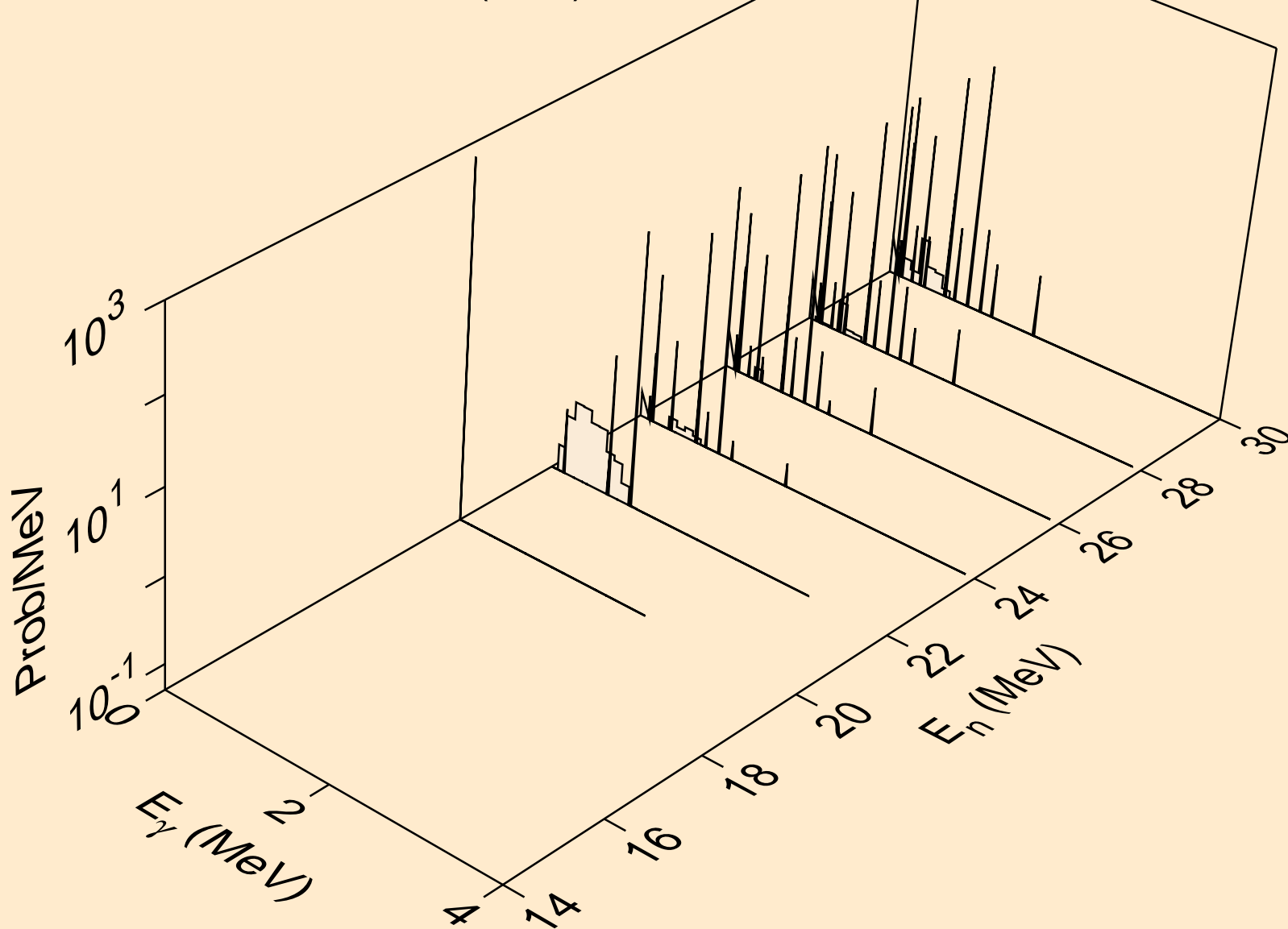
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Photon emission for (n,n\*)d



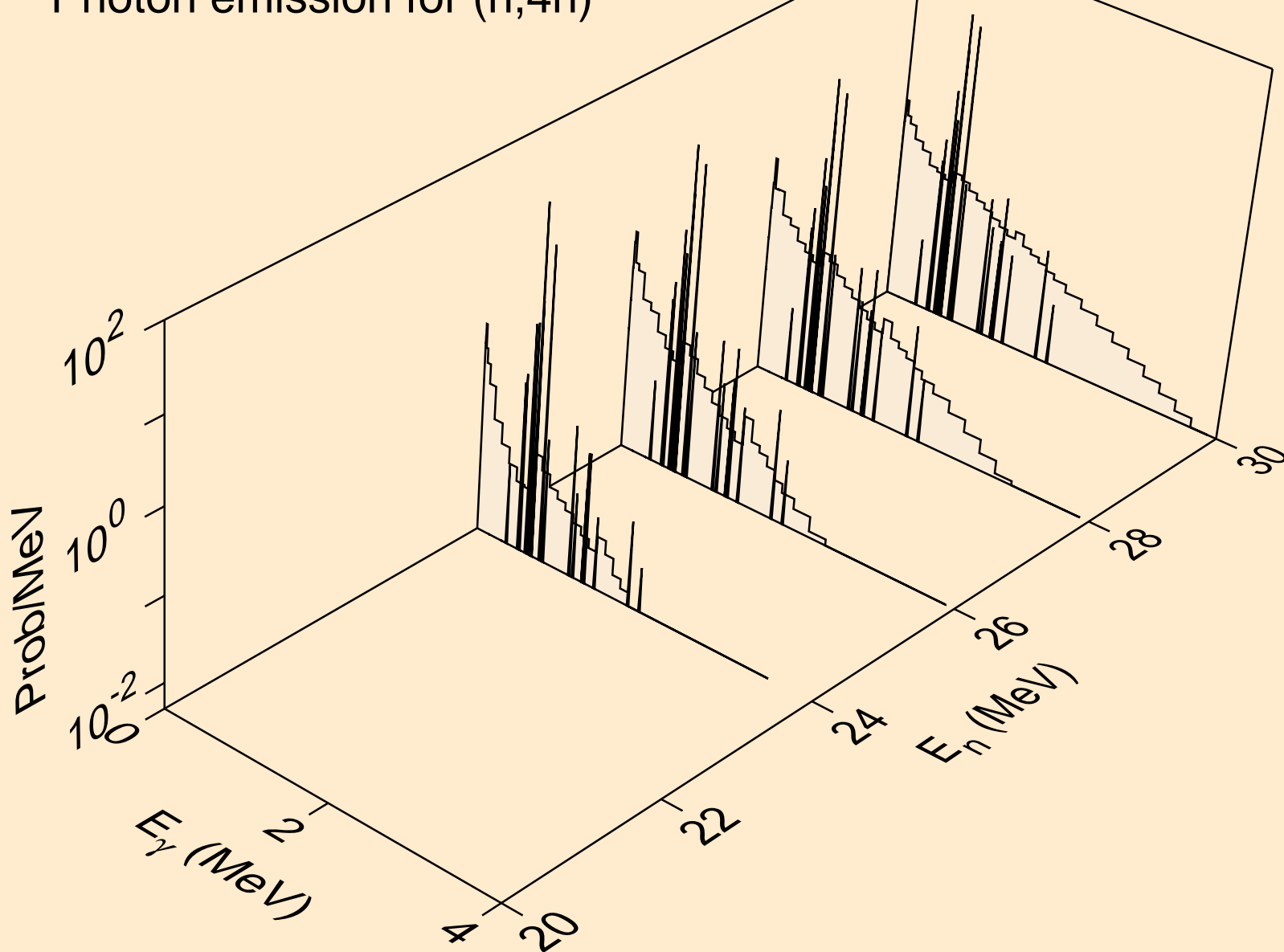
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)t



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*)he3

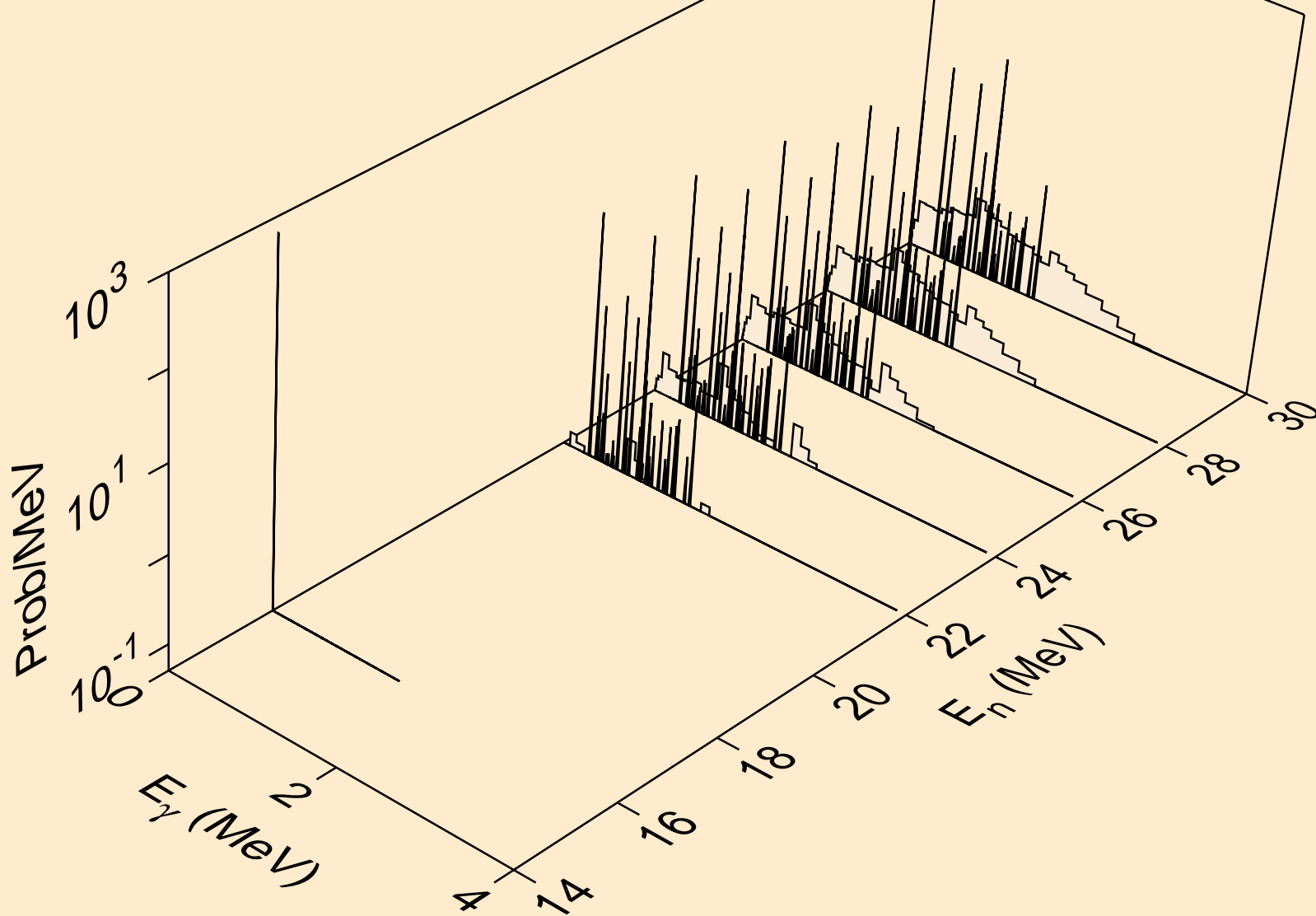


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,4n)

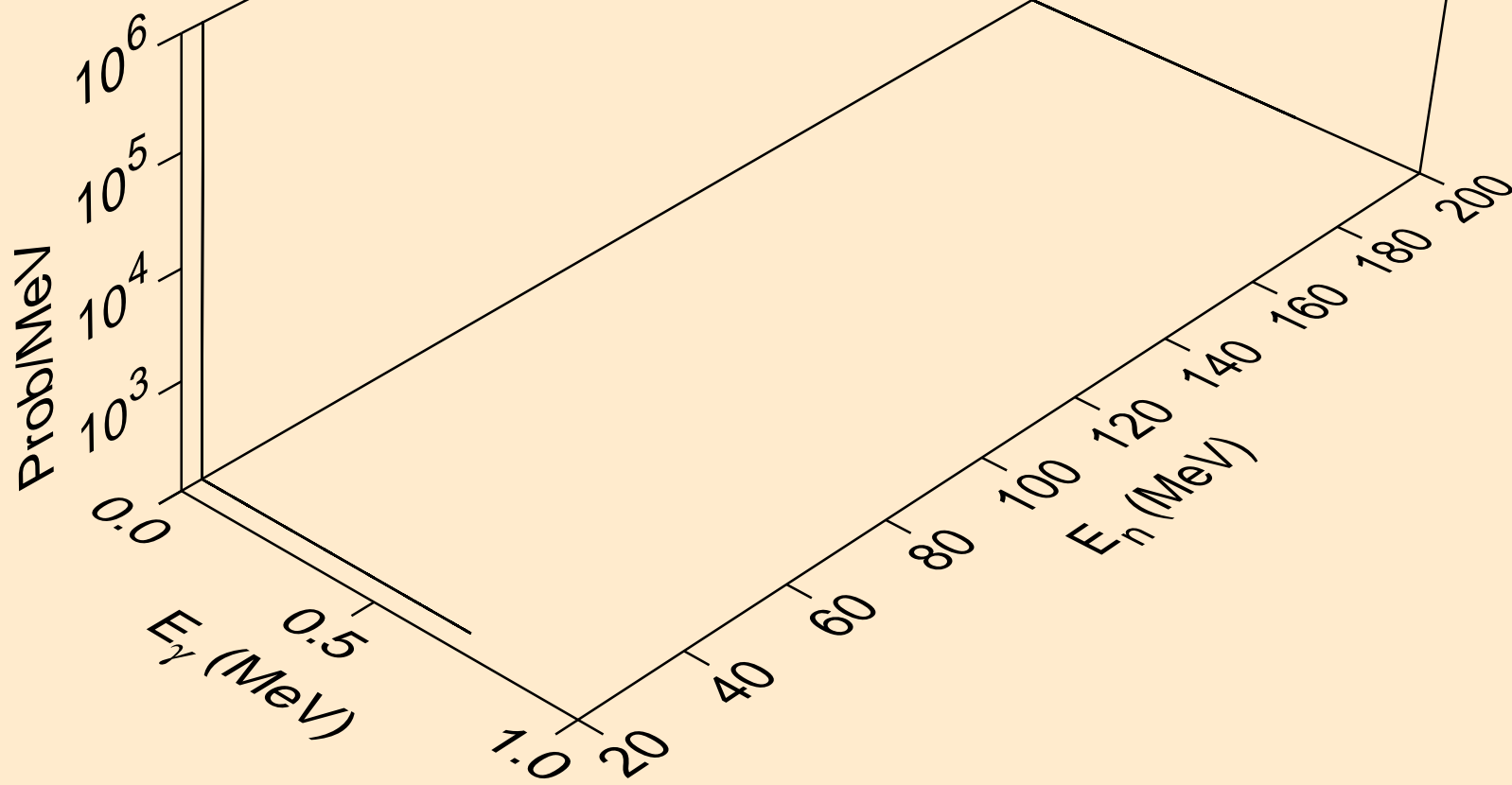




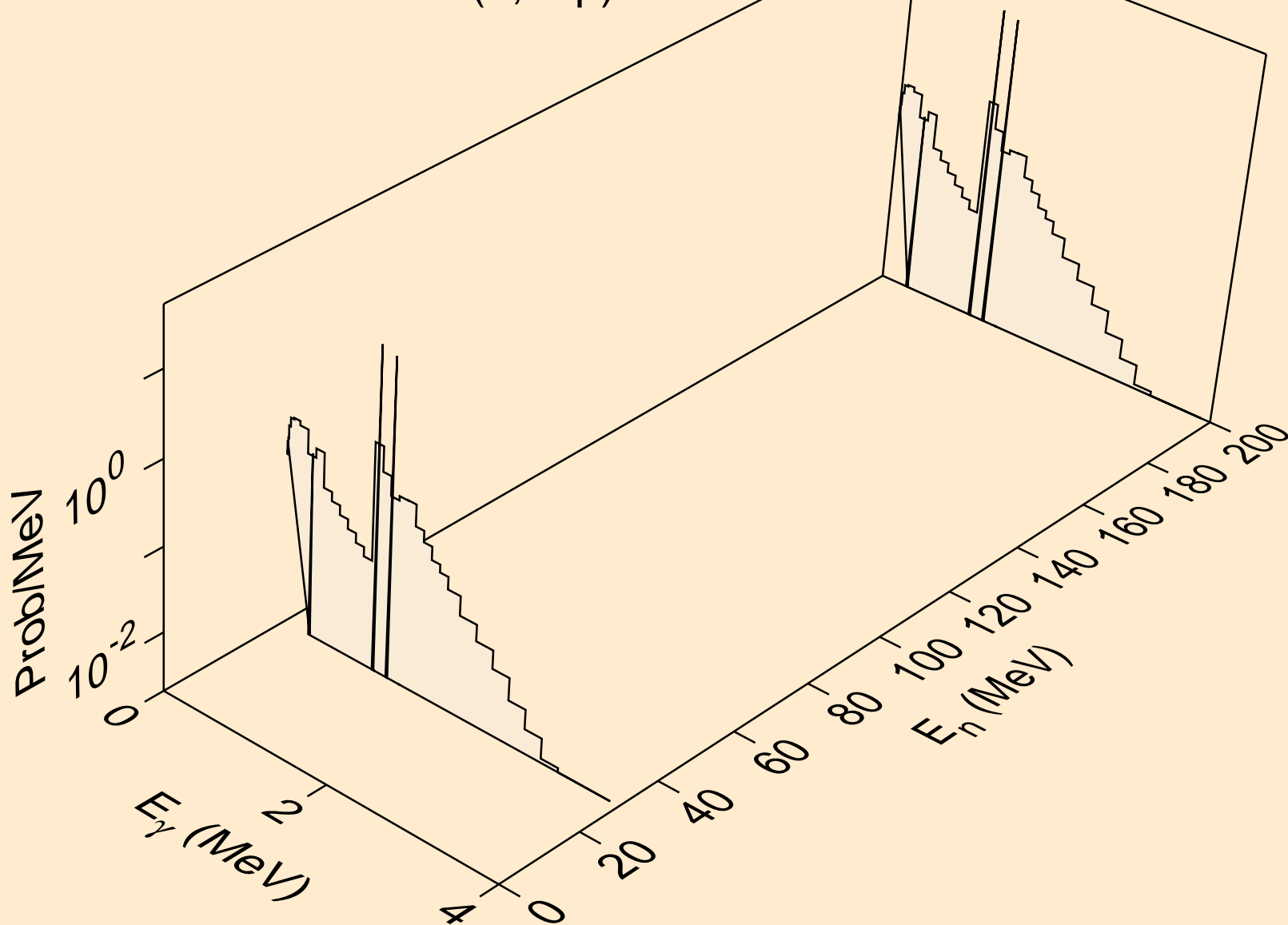
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,2np)



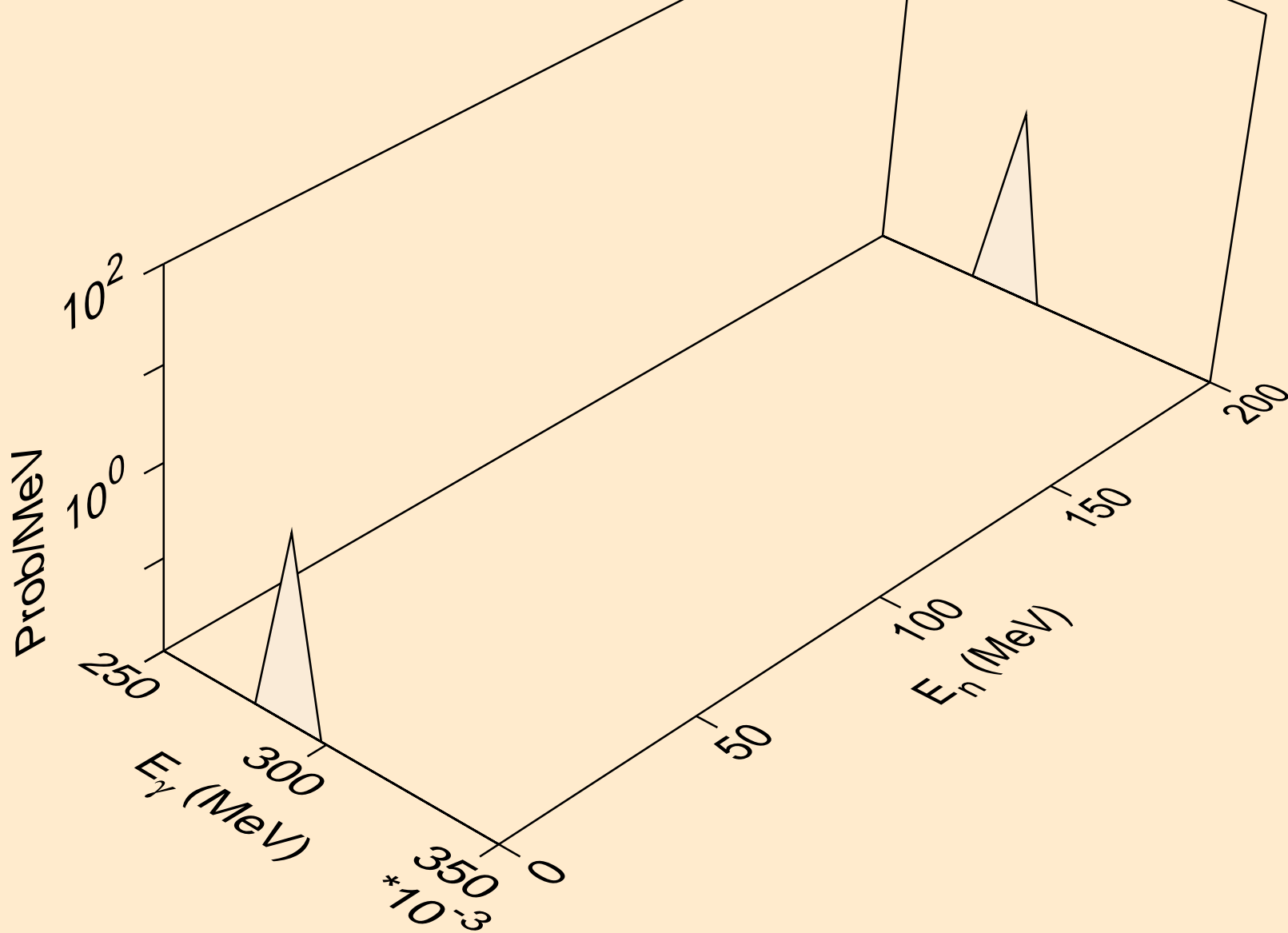
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Photon emission for (n,3np)



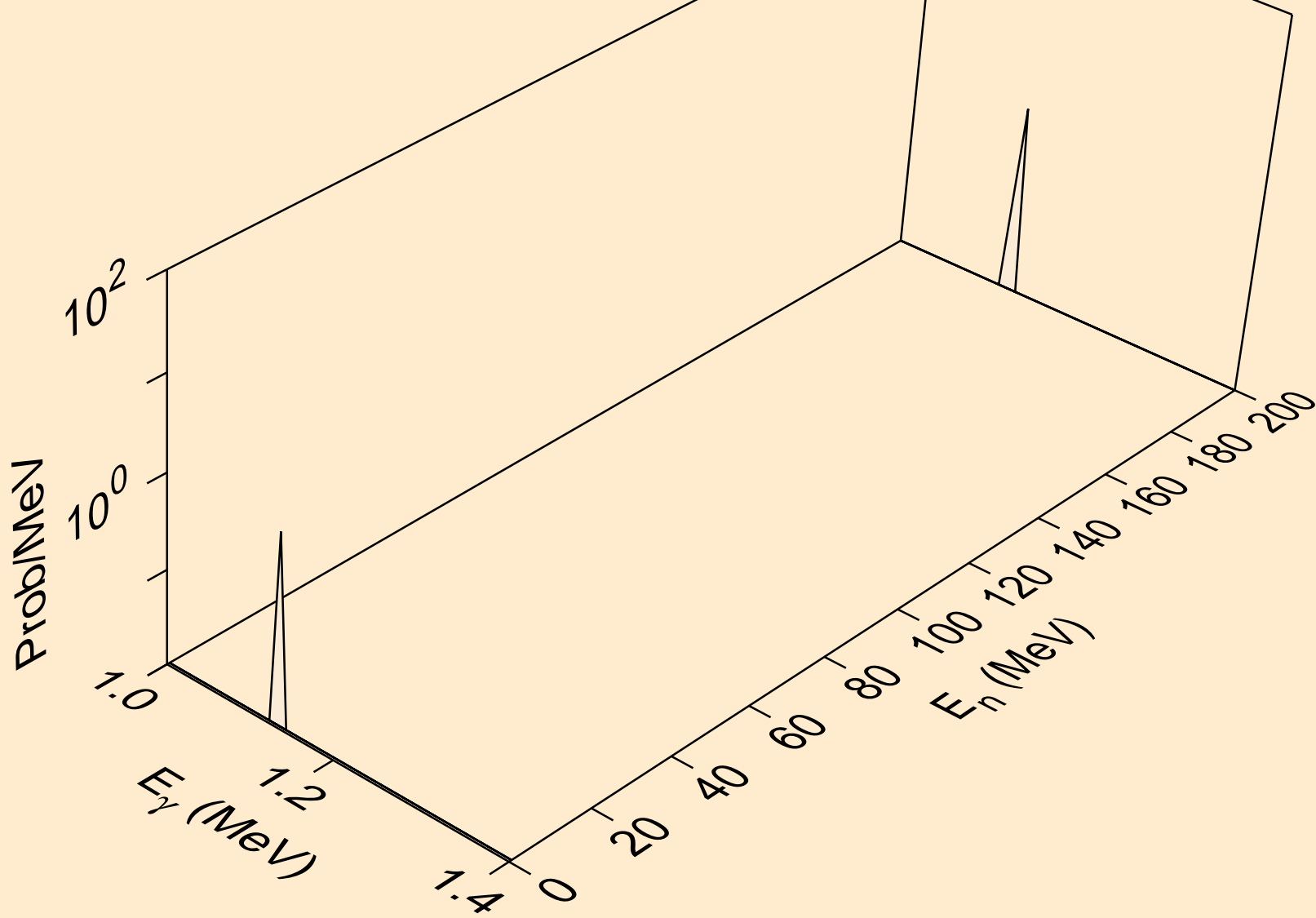
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,2np)



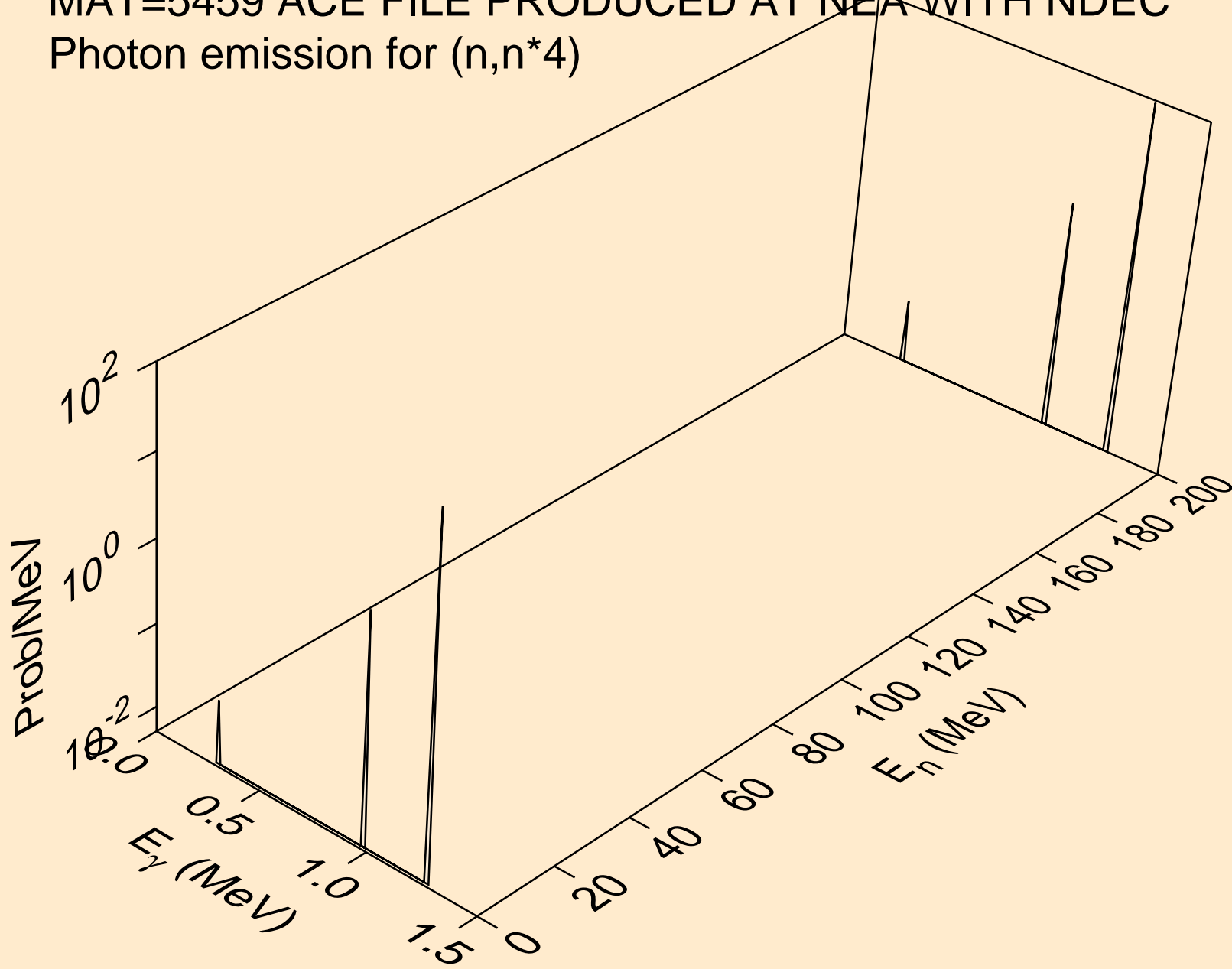
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Photon emission for (n,n\*1)



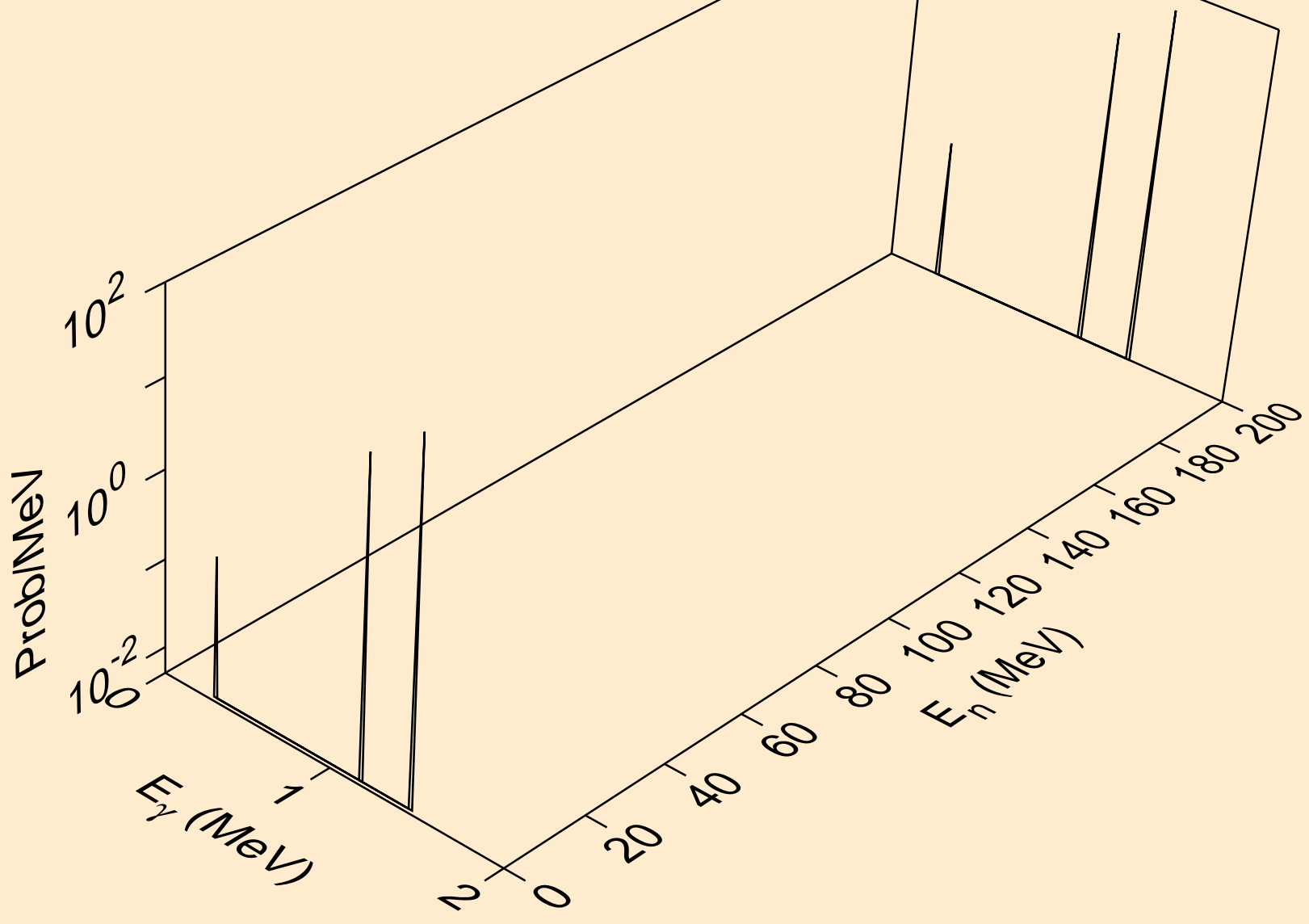
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Photon emission for (n,n\*3)



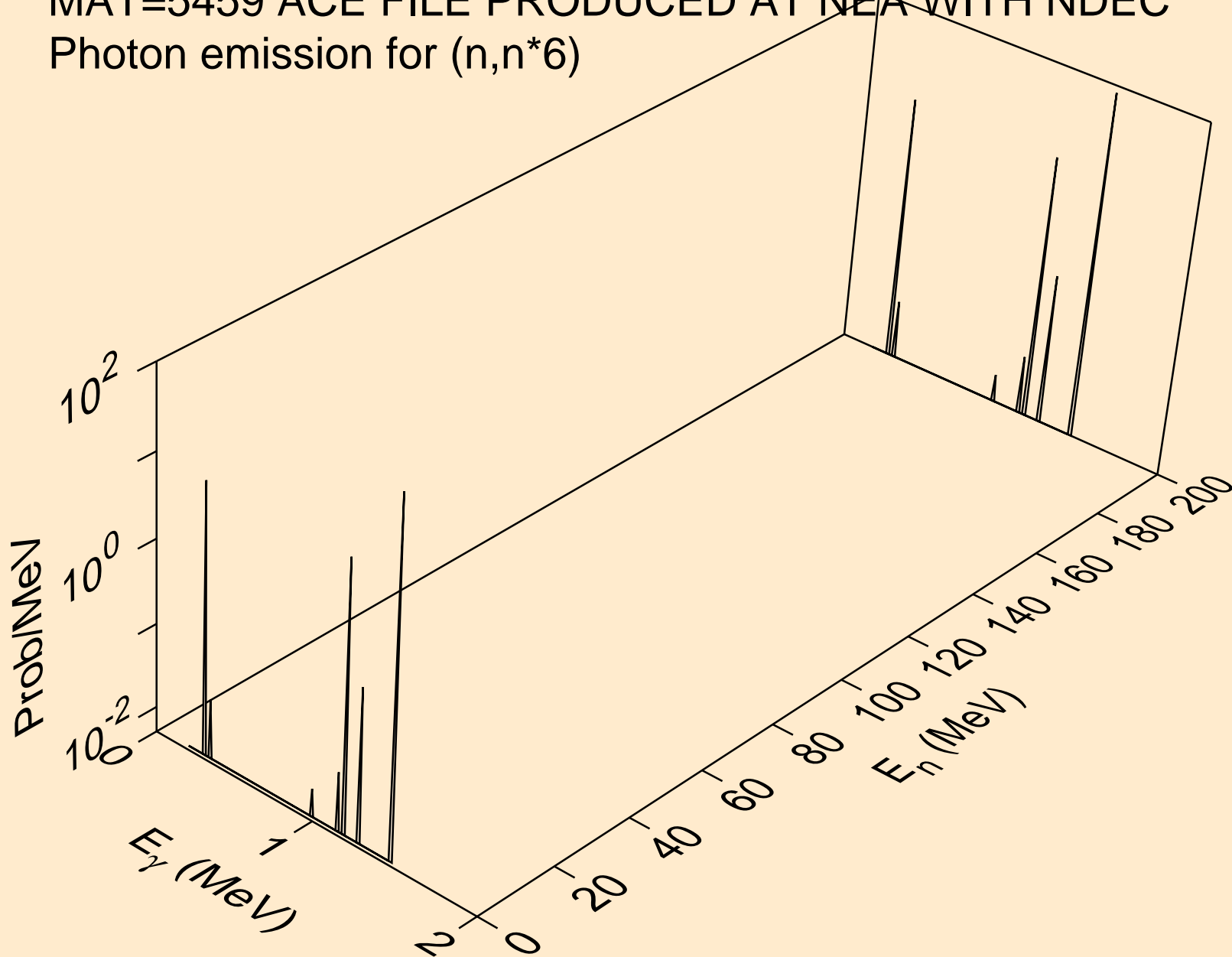
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*4)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*5)

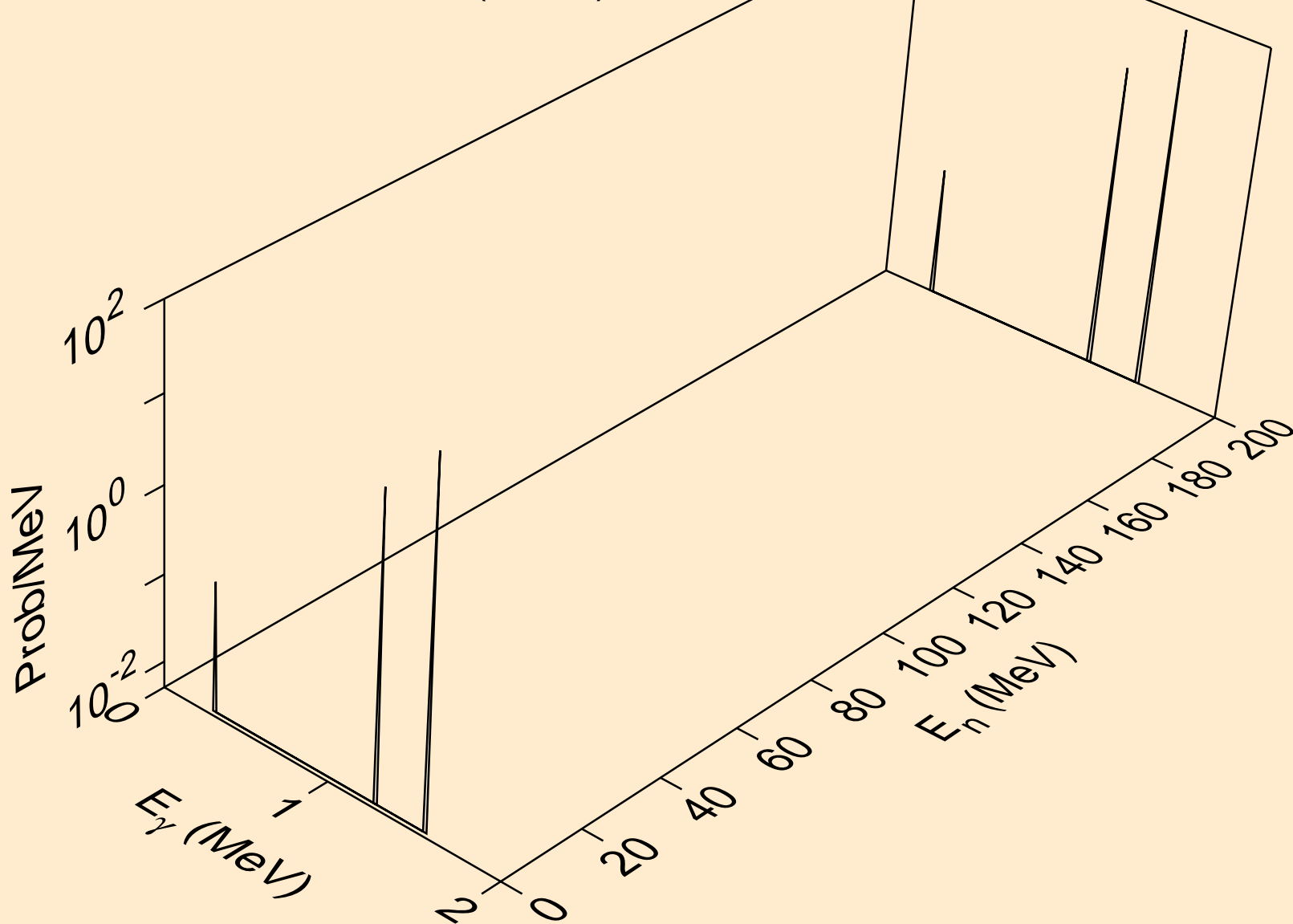


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*6)

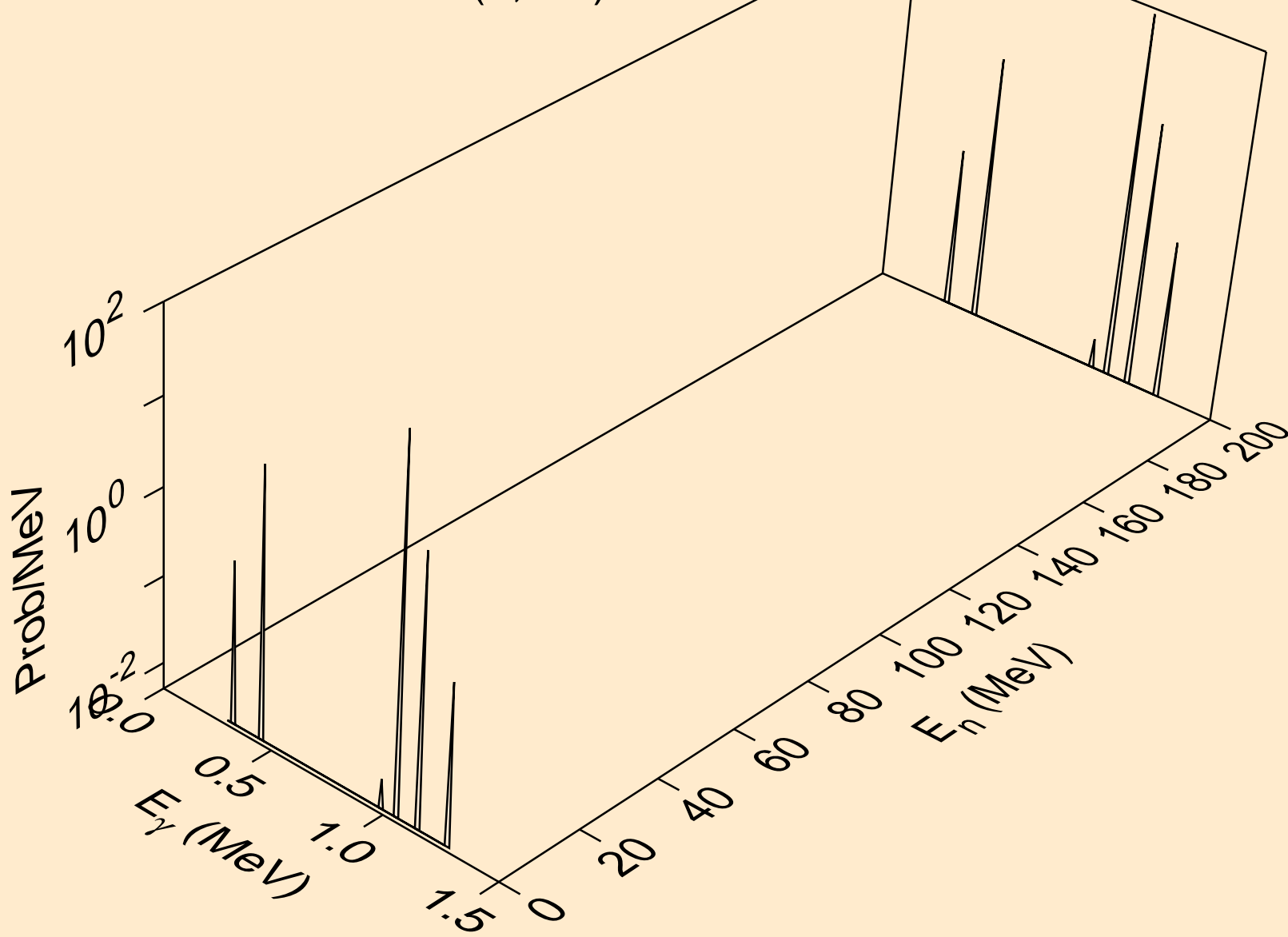




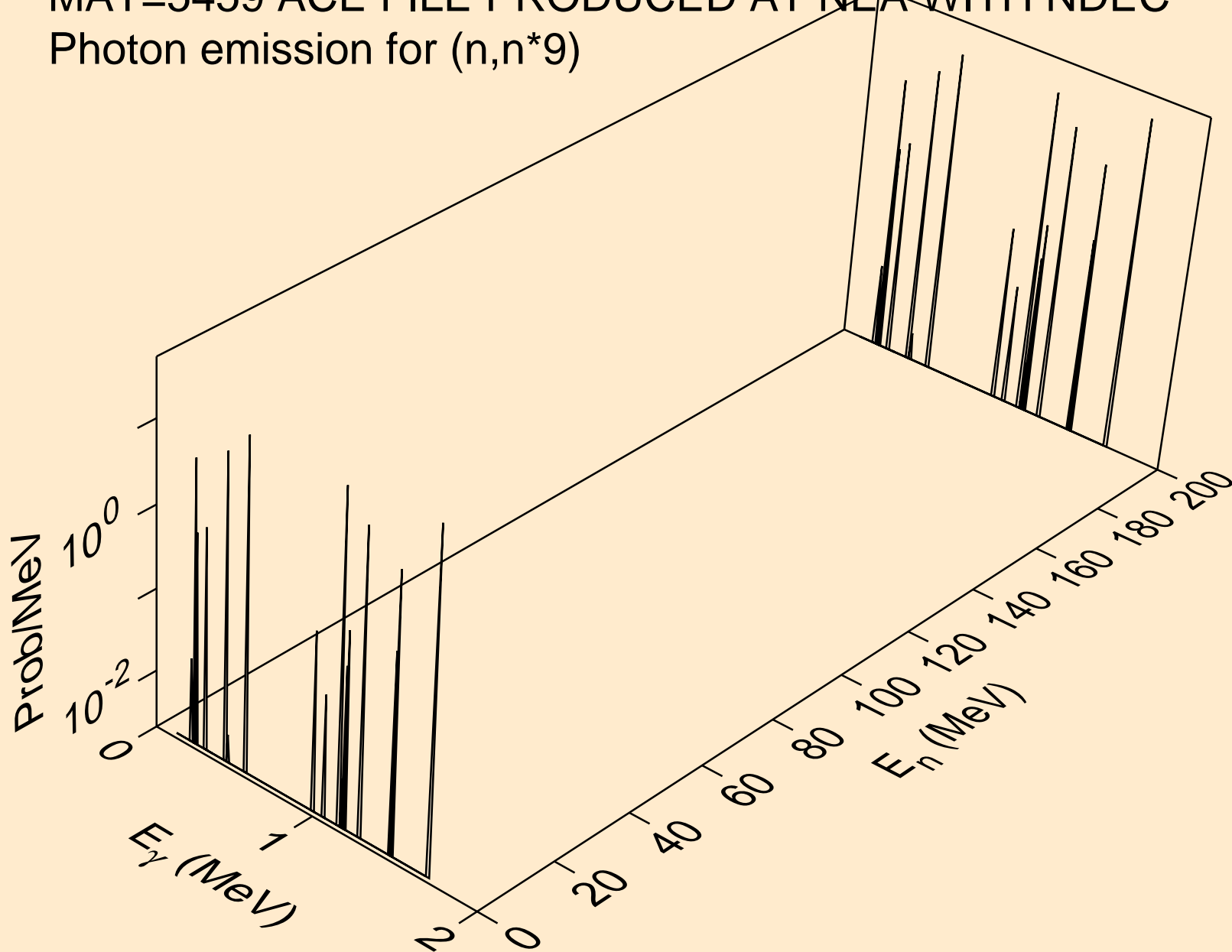
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*7)



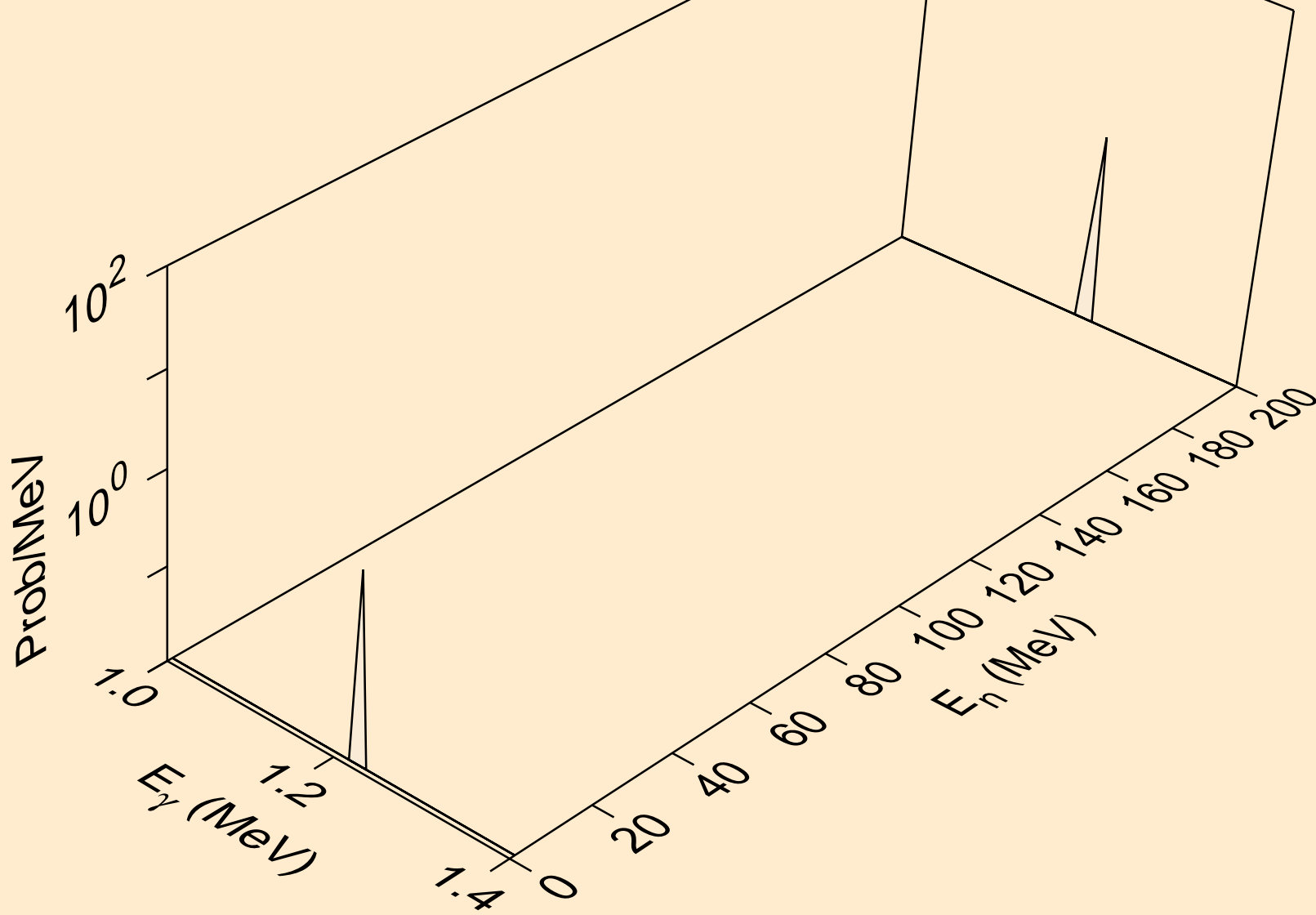
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*8)



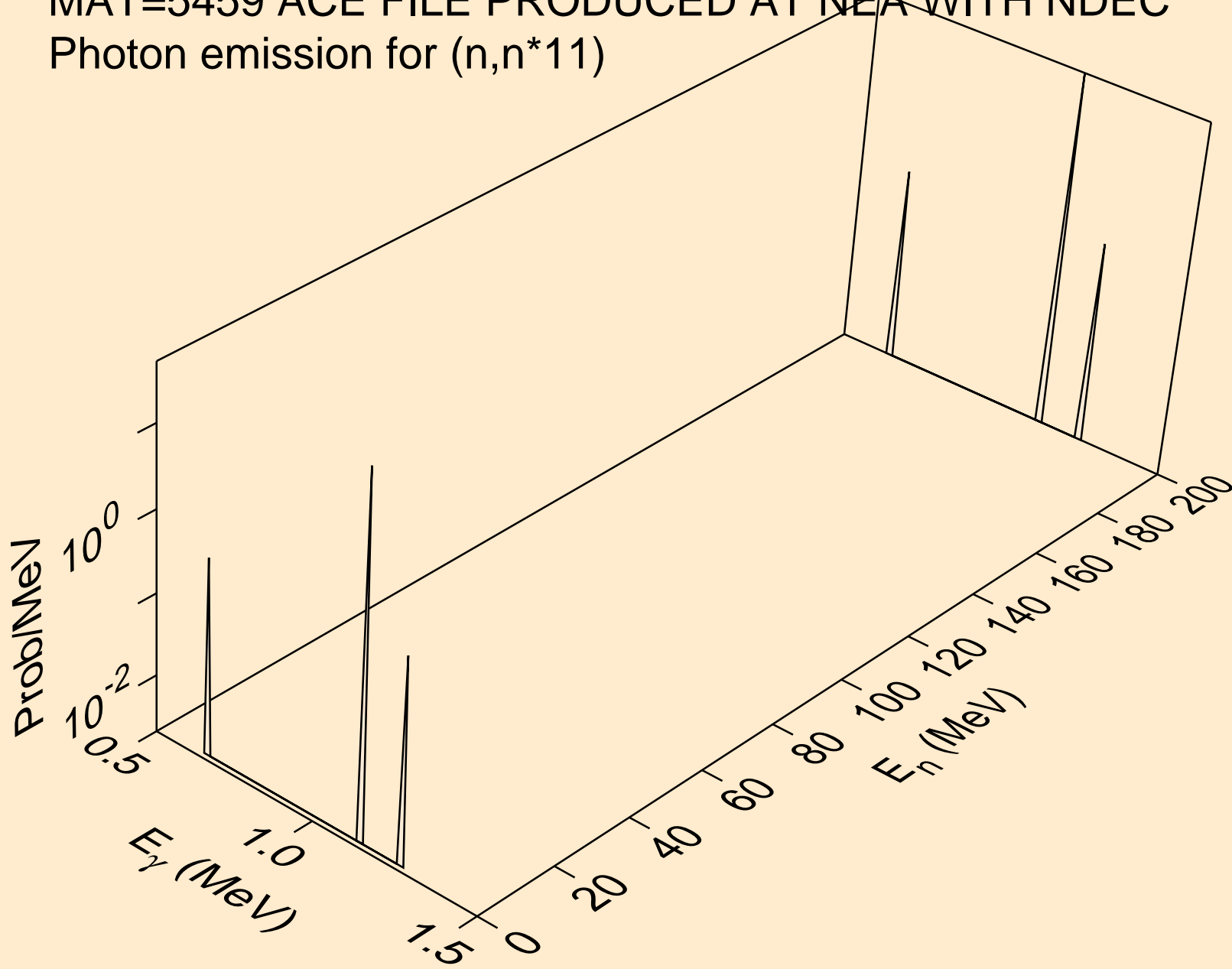
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*9)



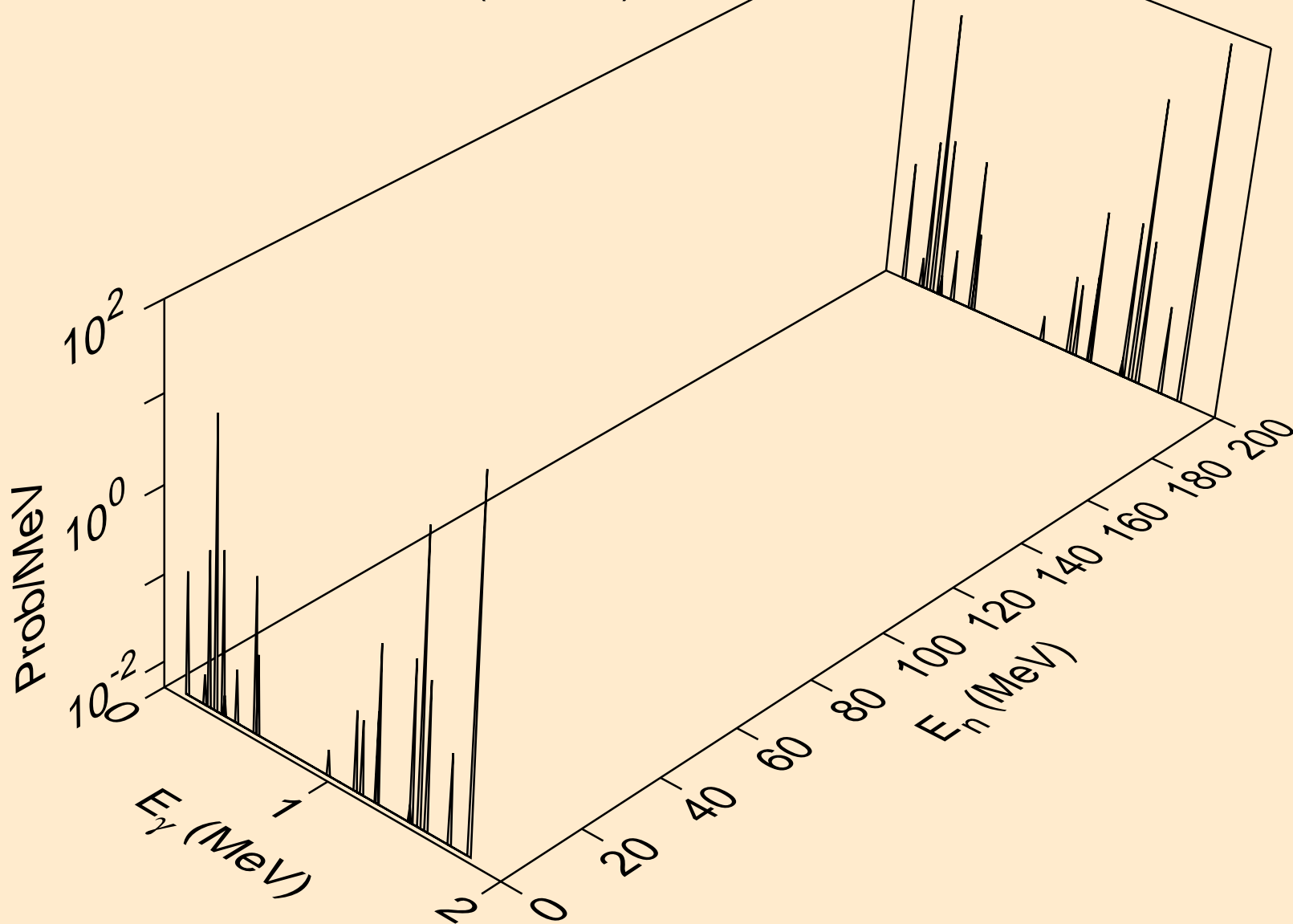
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*10)



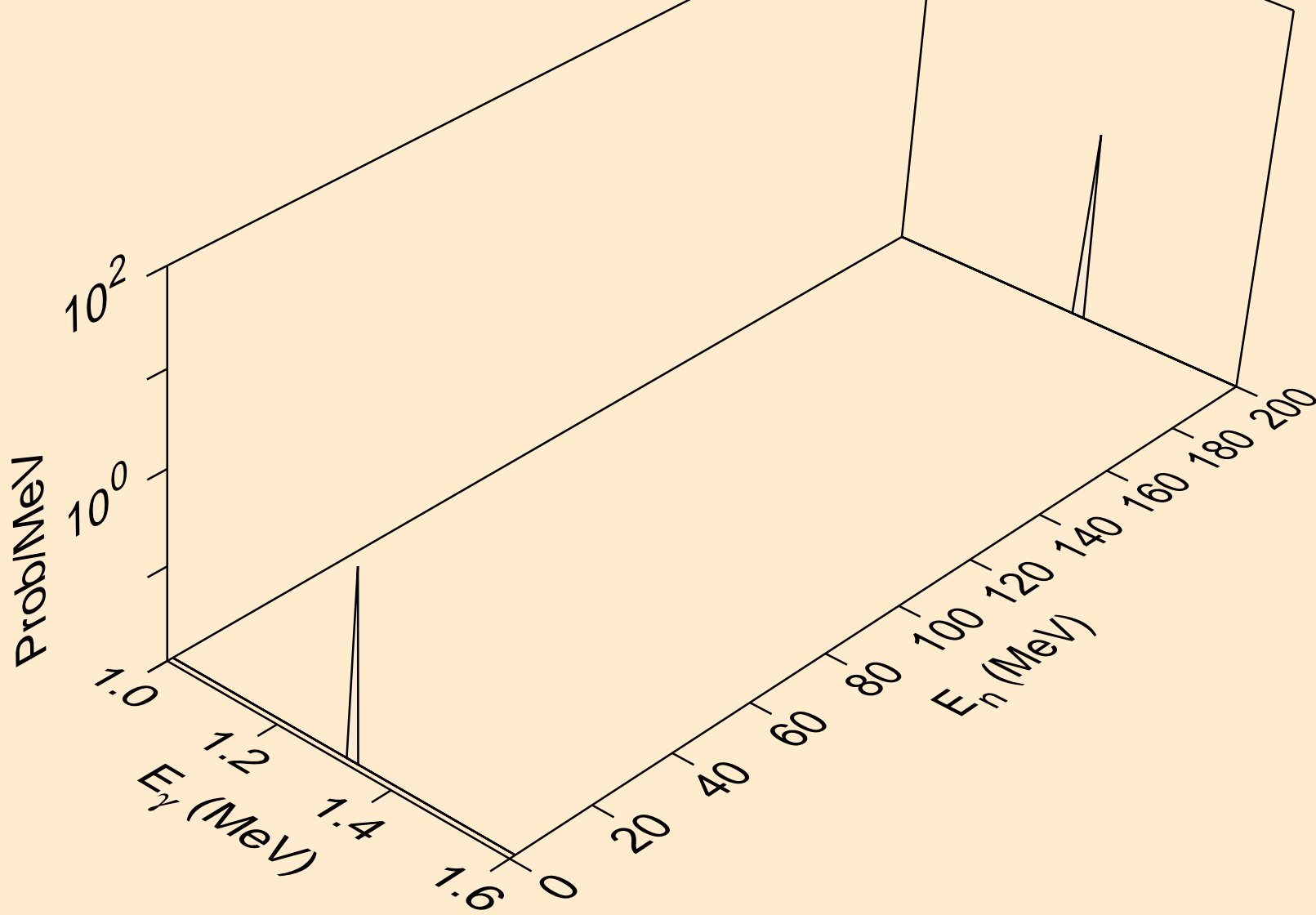
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Photon emission for (n,n\*11)



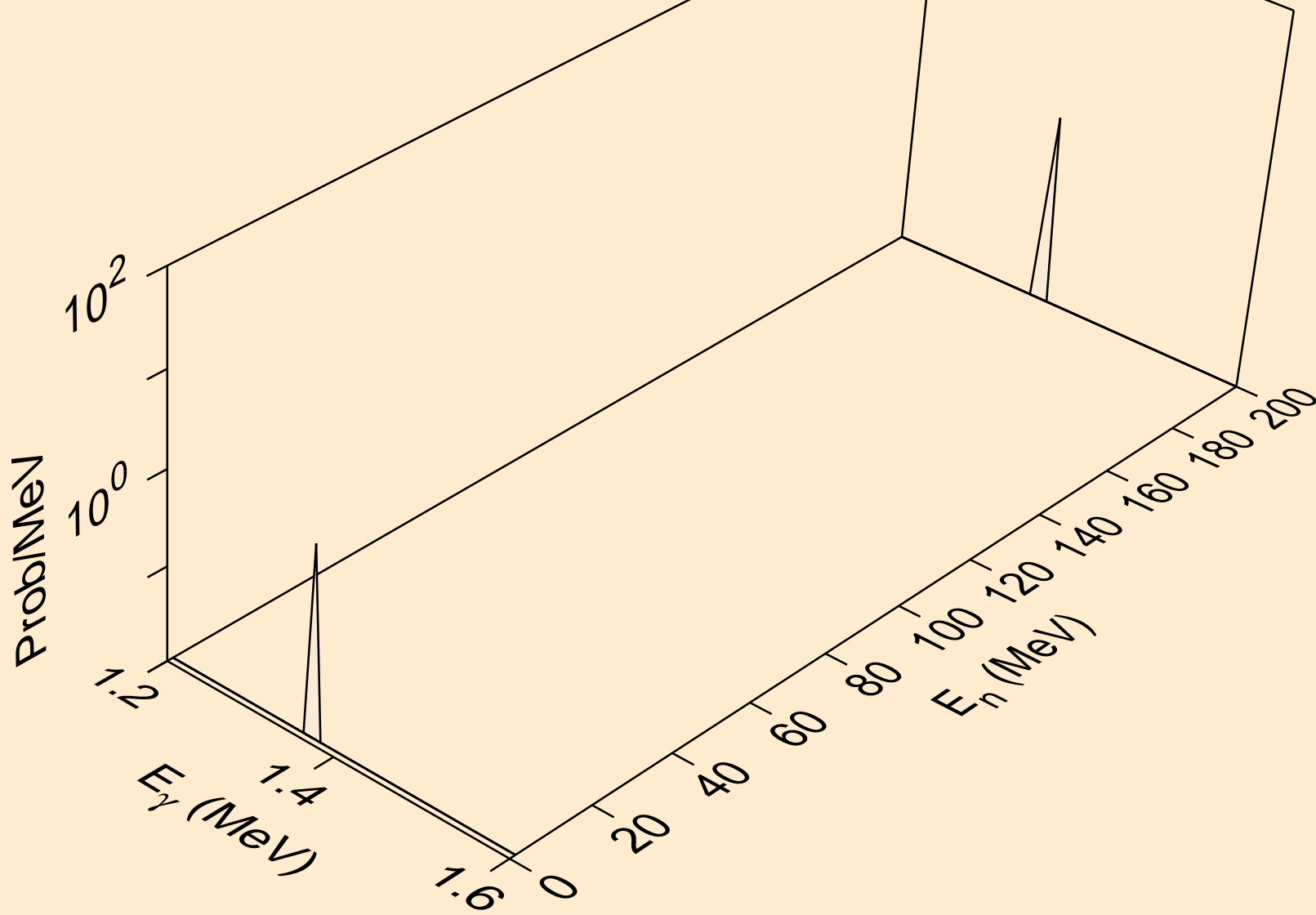
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Photon emission for (n,n\*12)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*13)

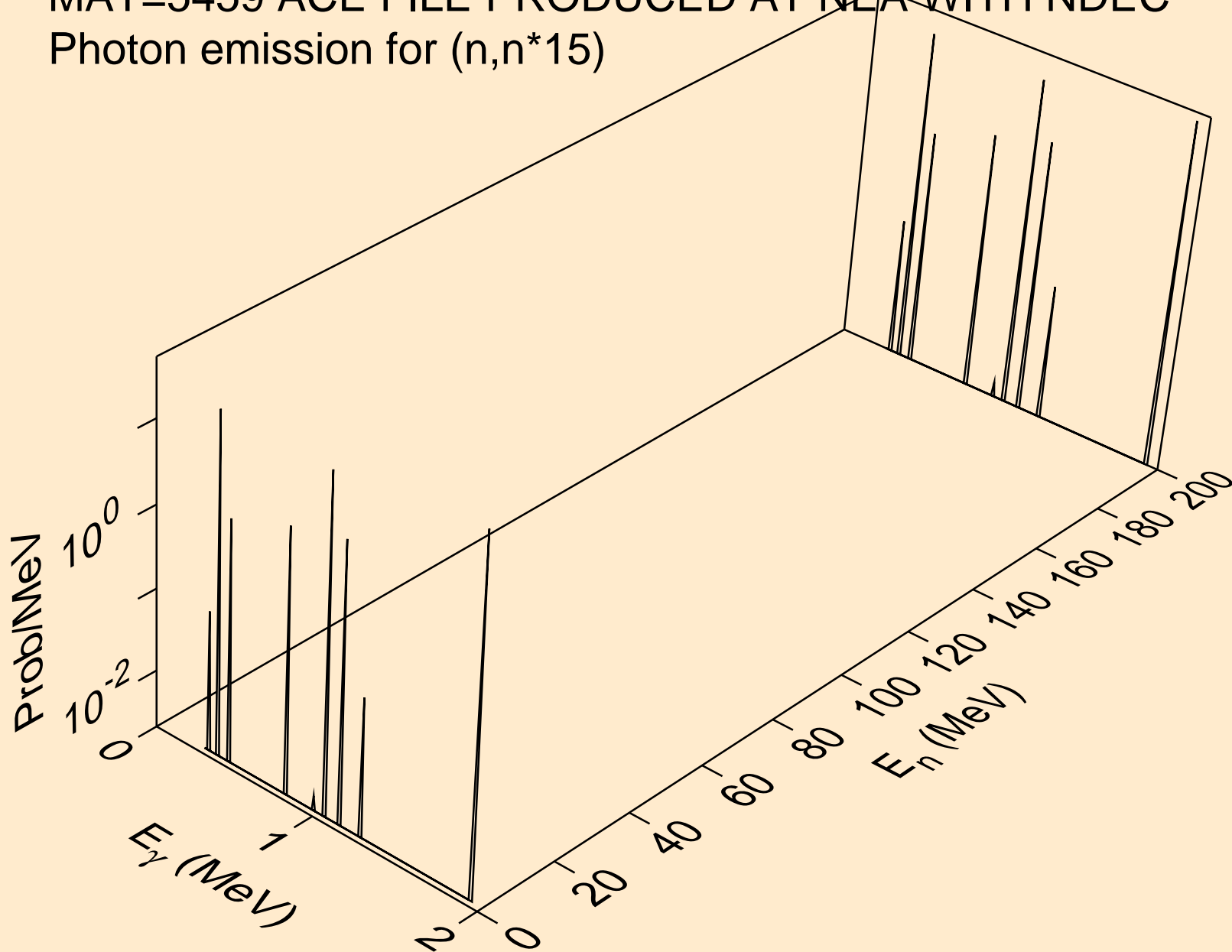


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*14)

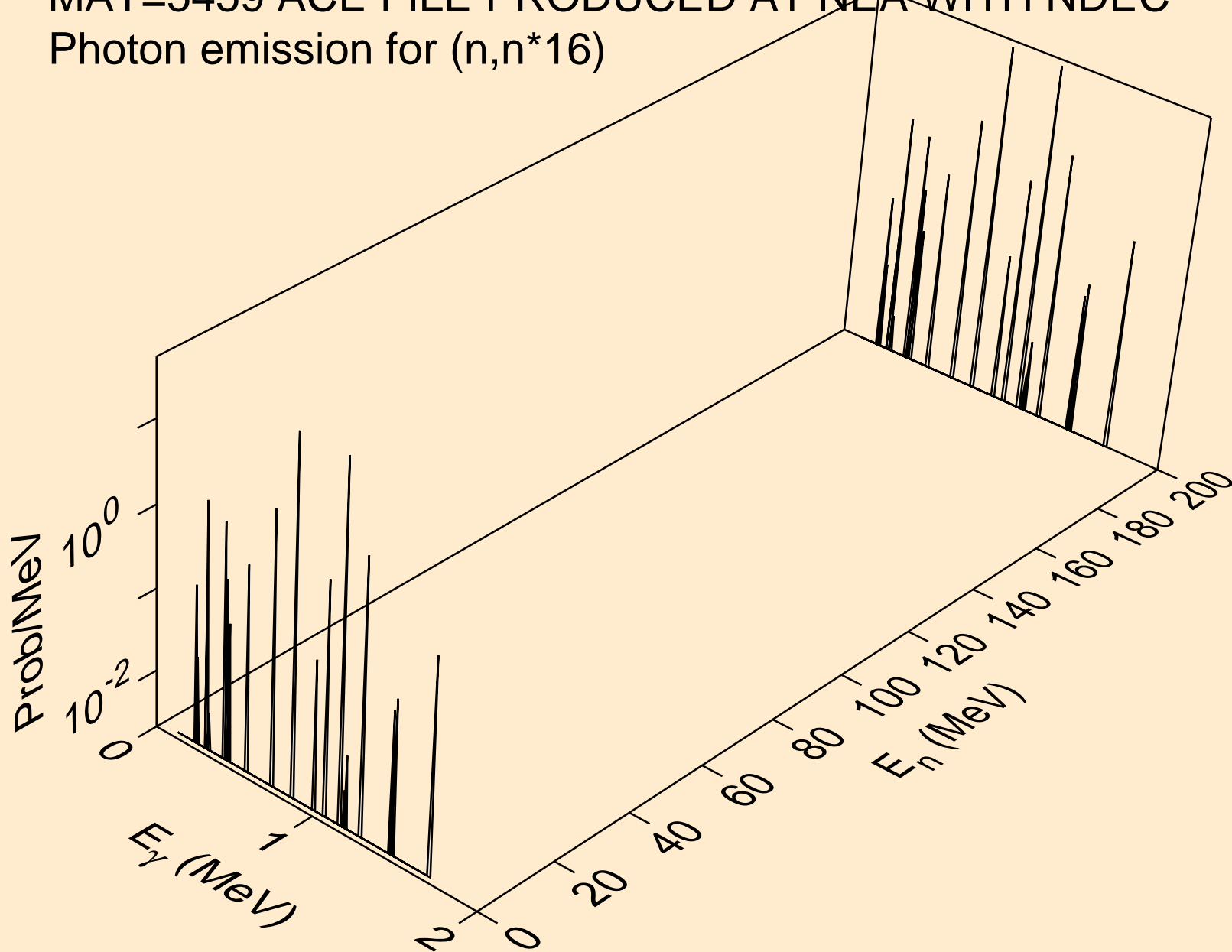




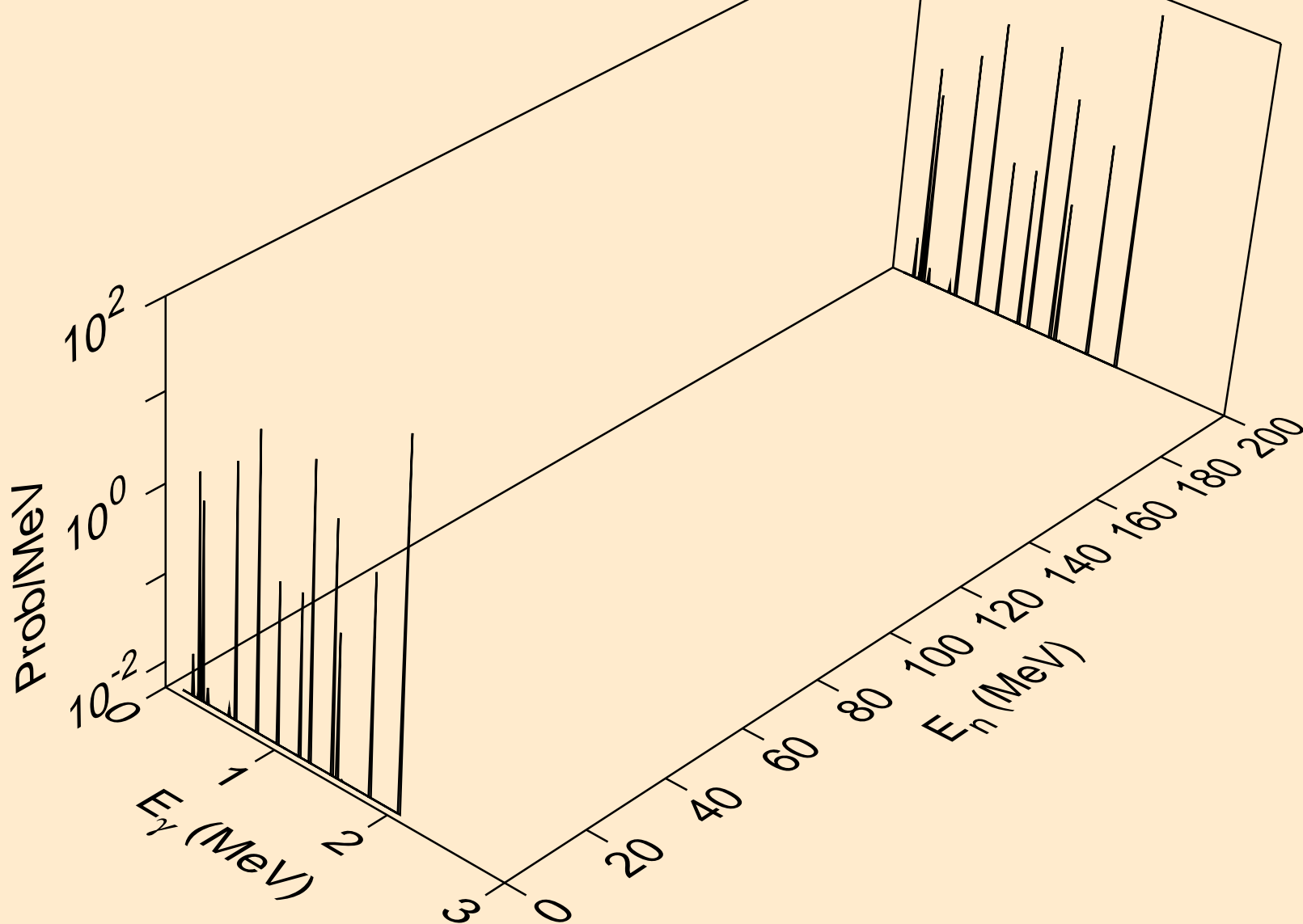
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Photon emission for (n,n\*15)



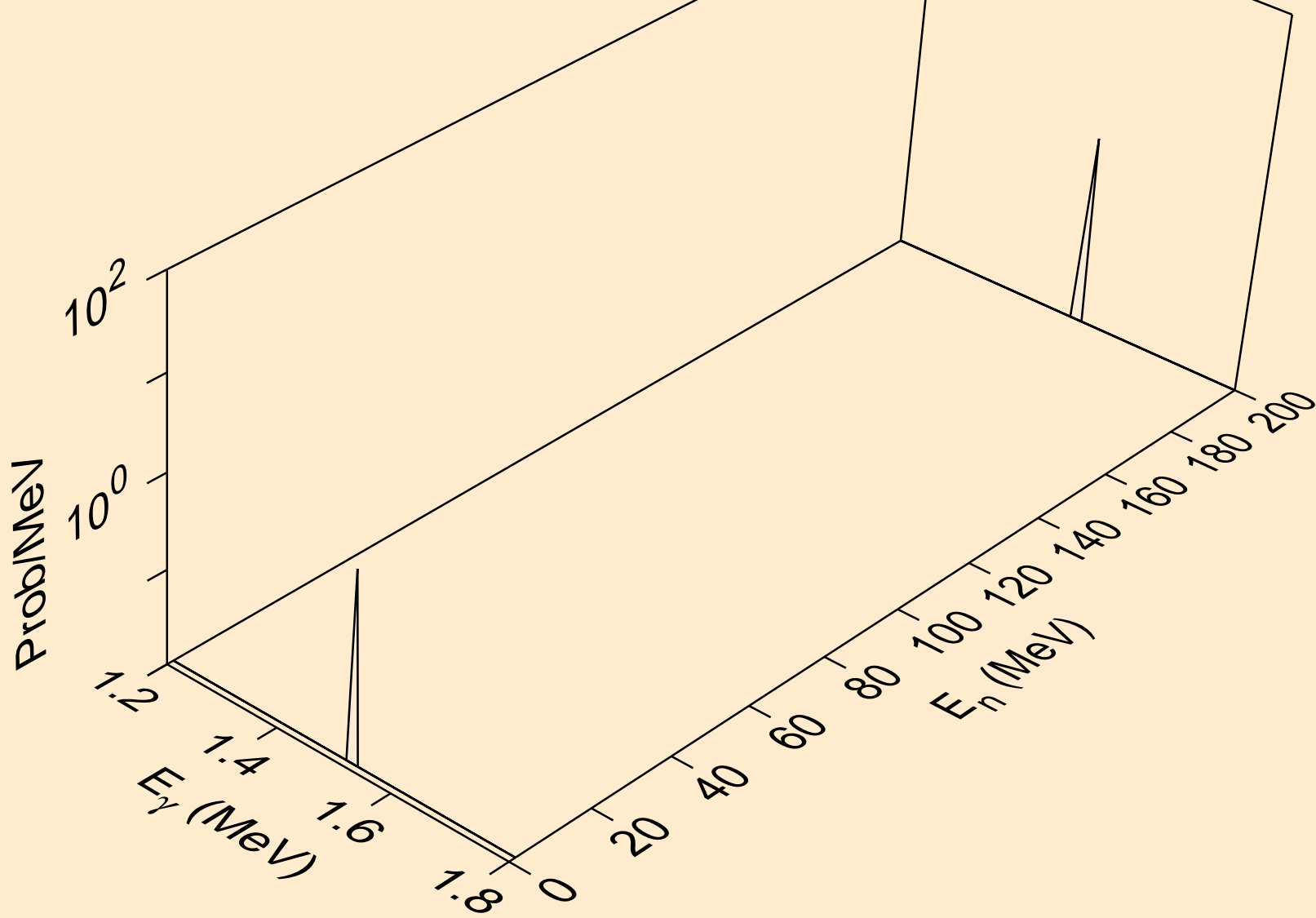
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*16)



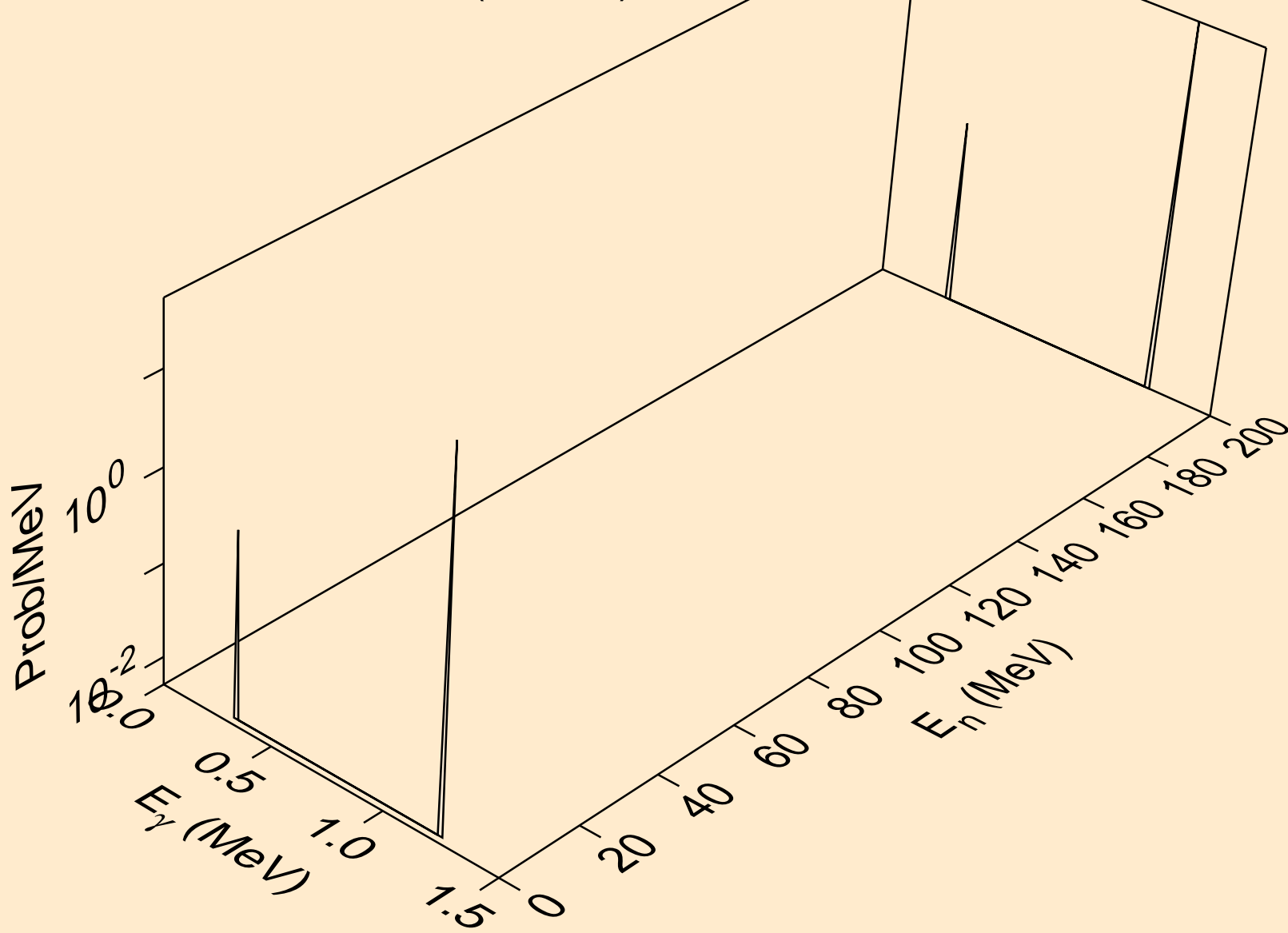
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Photon emission for (n,n\*17)



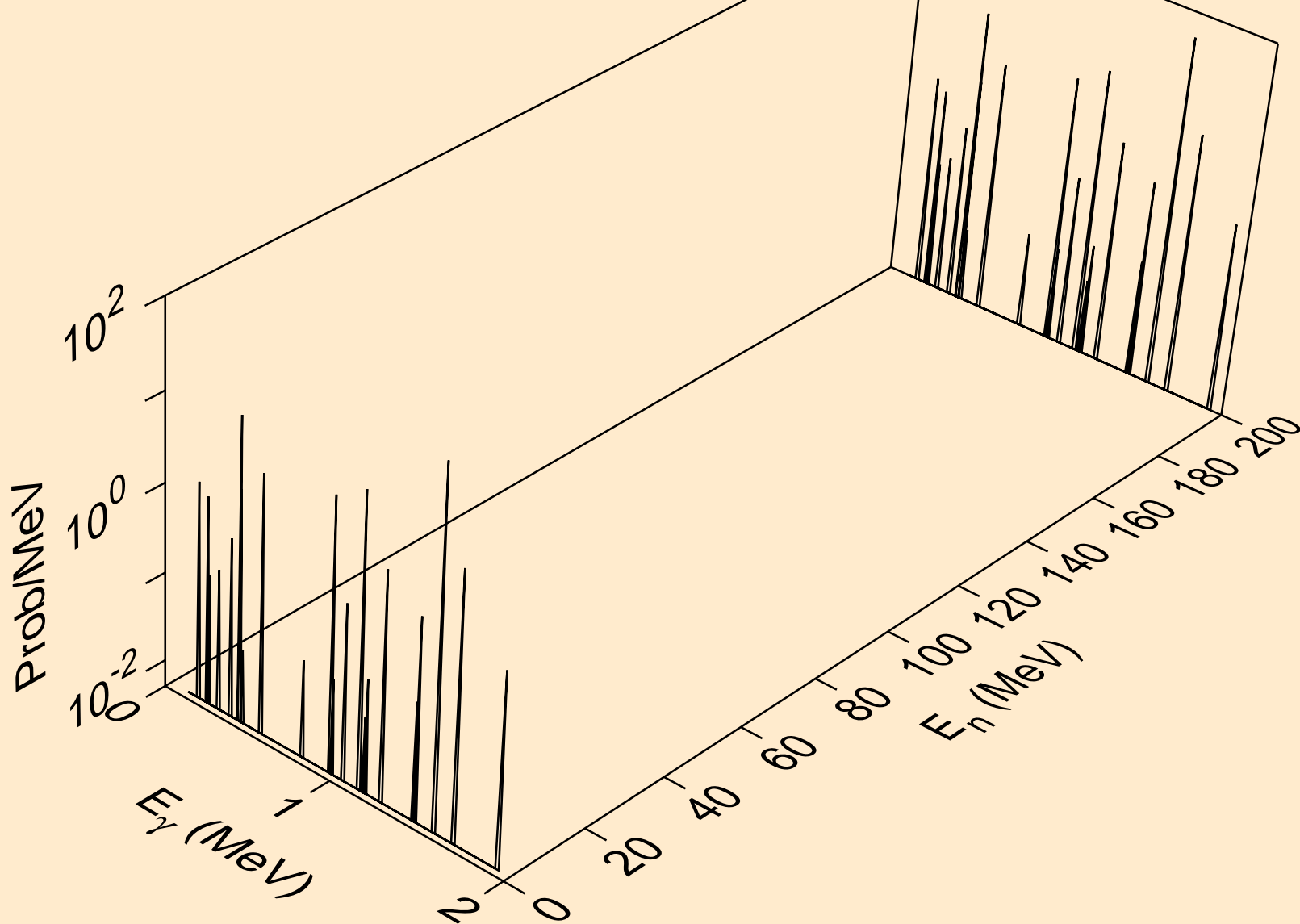
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Photon emission for (n,n\*18)



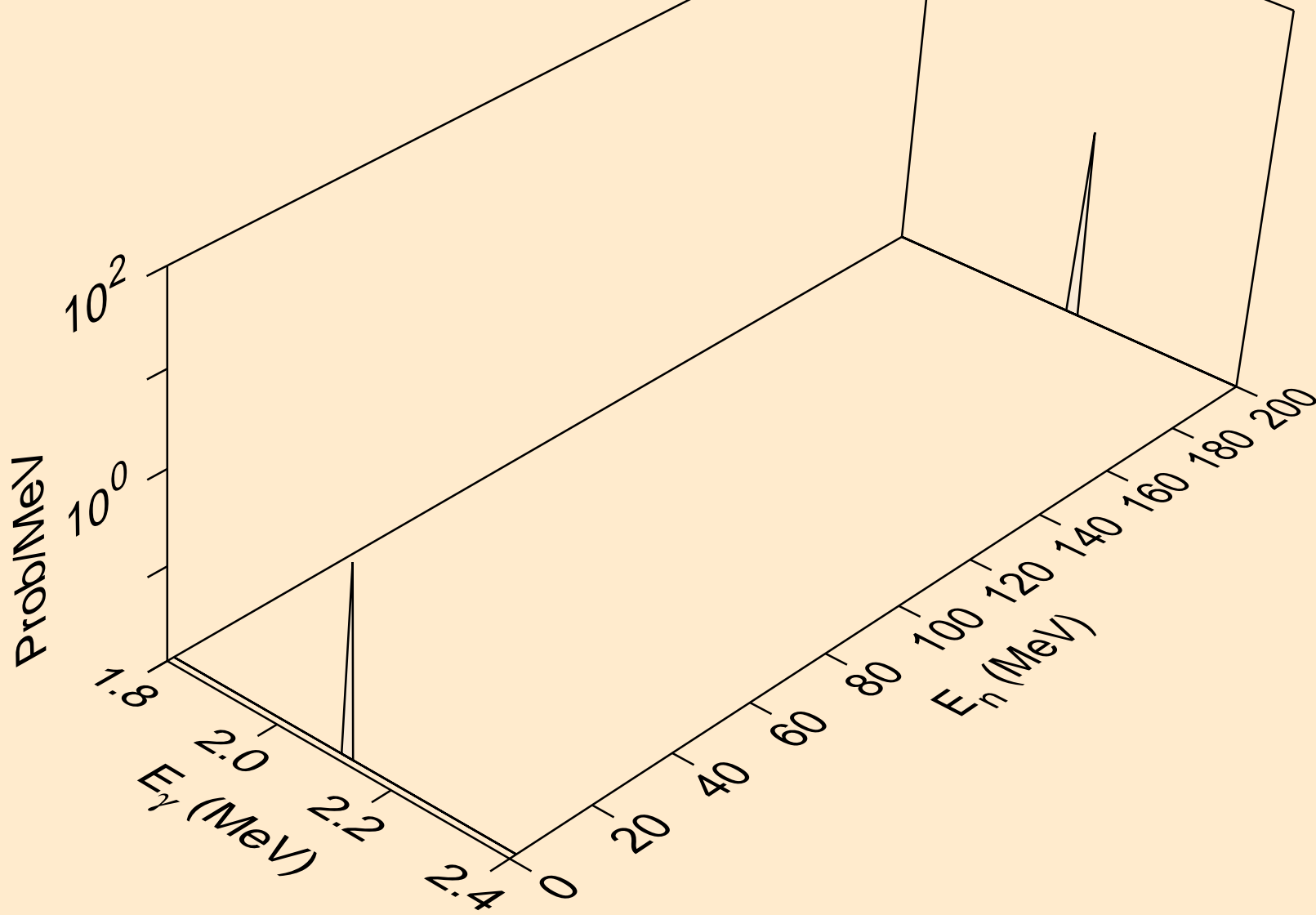
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Photon emission for (n,n\*19)



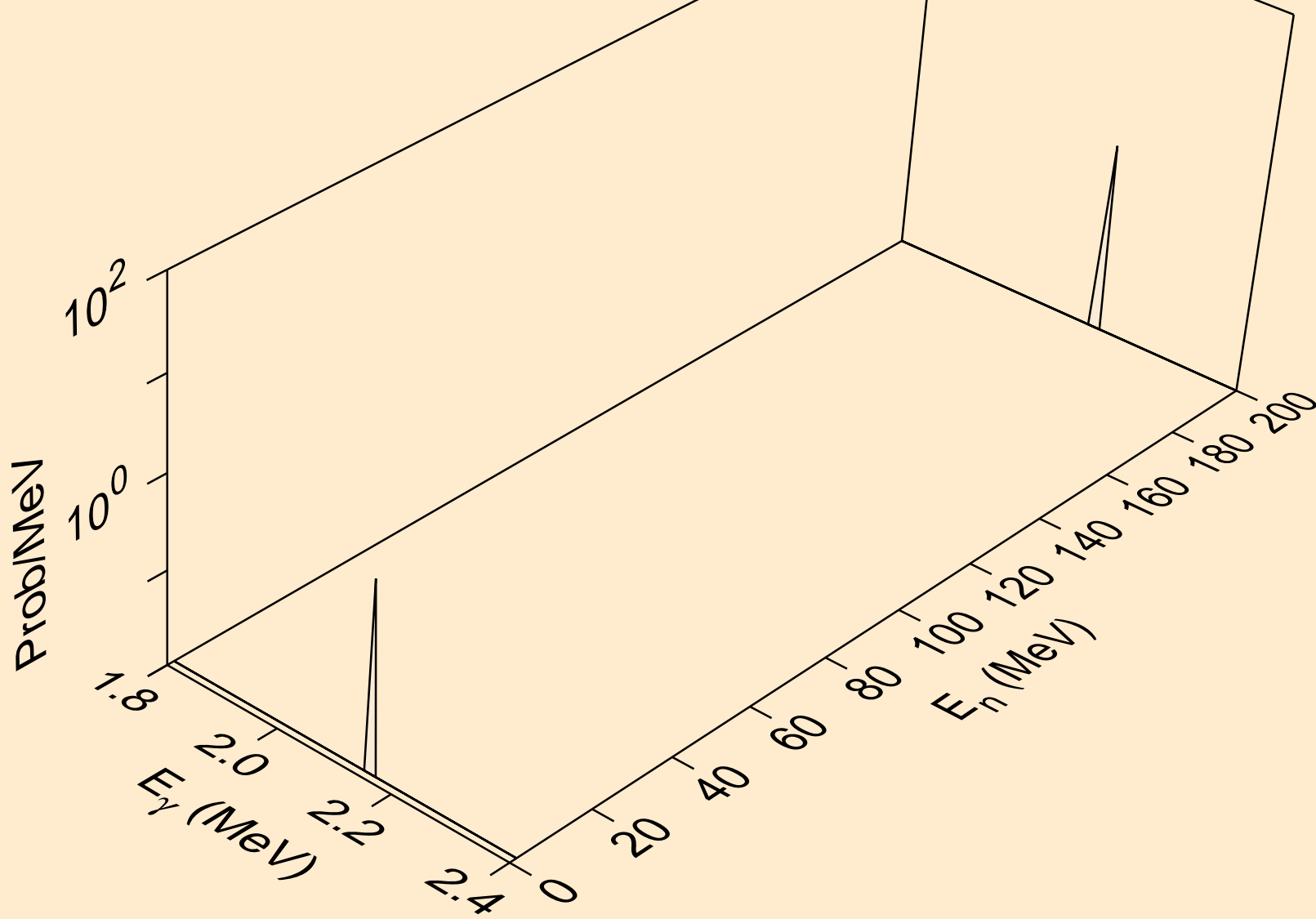
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*20)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*21)

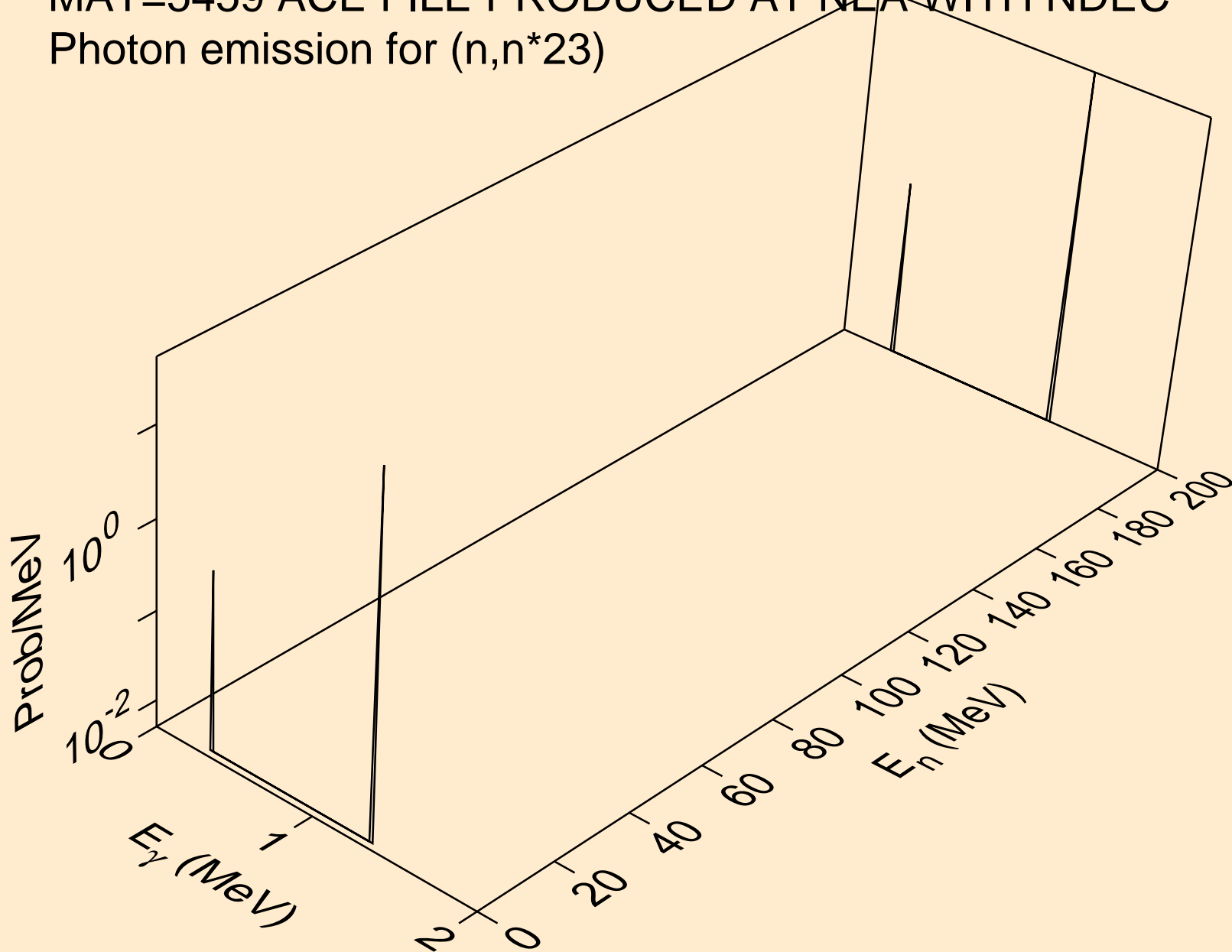


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*22)

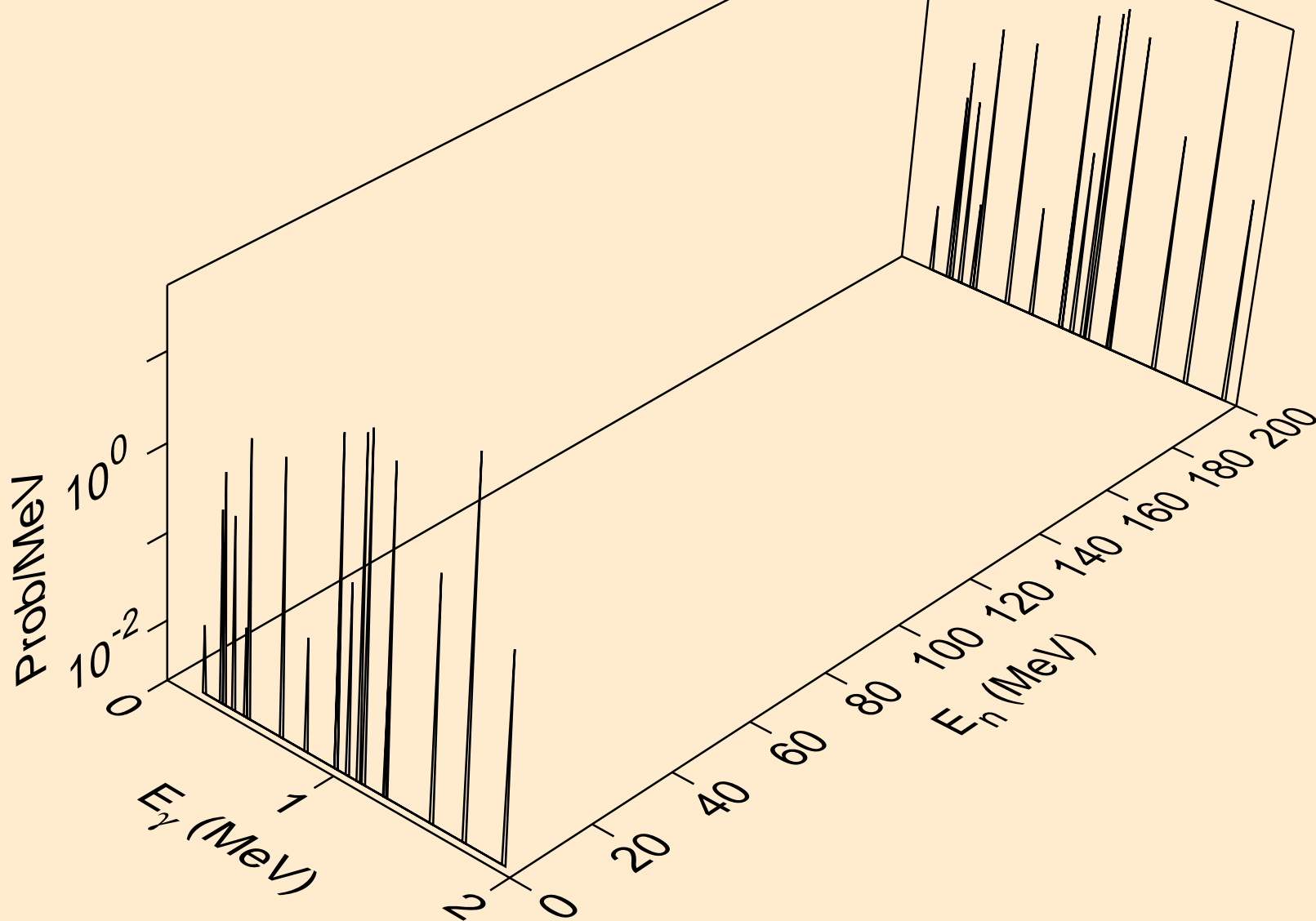




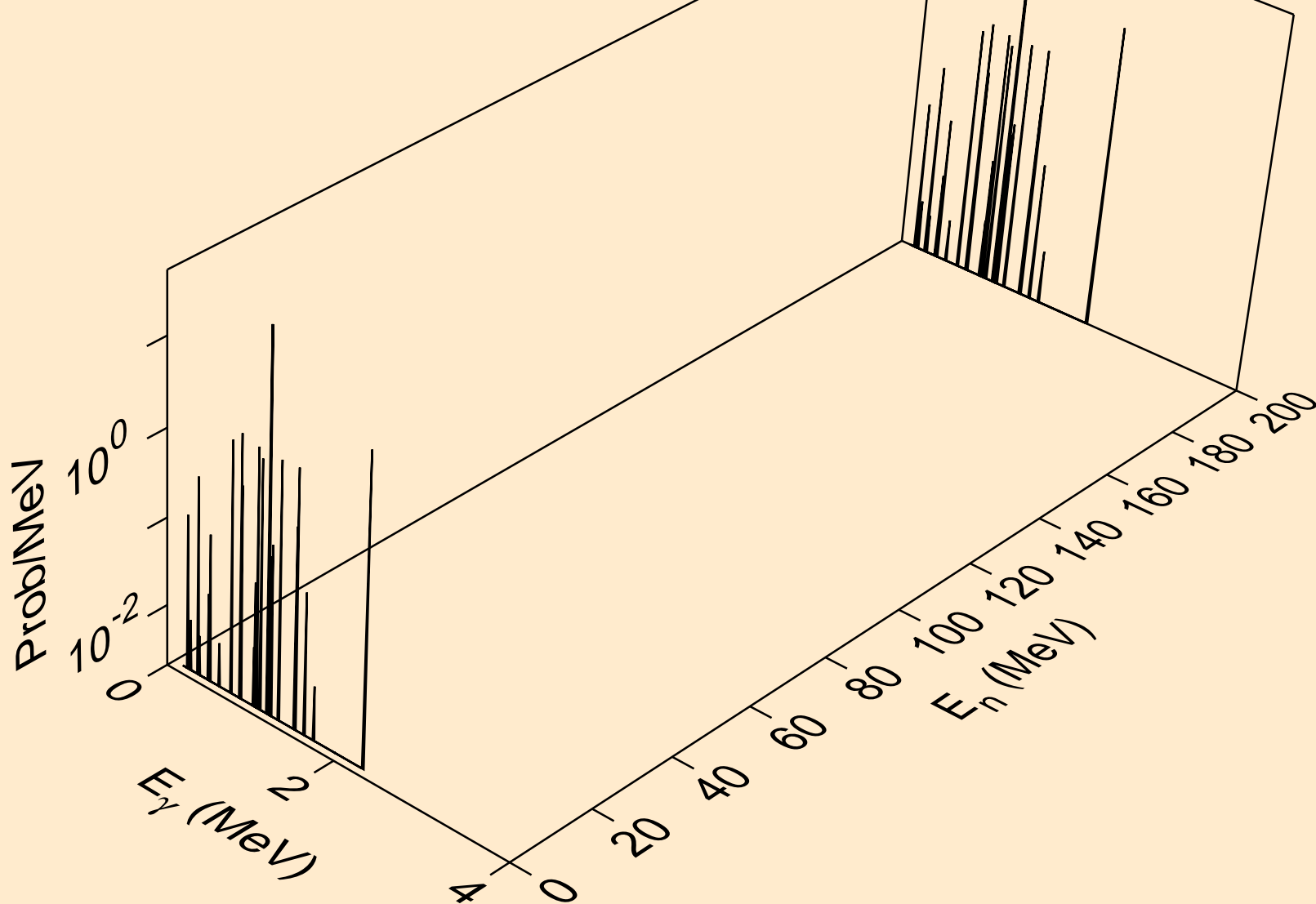
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Photon emission for (n,n\*23)



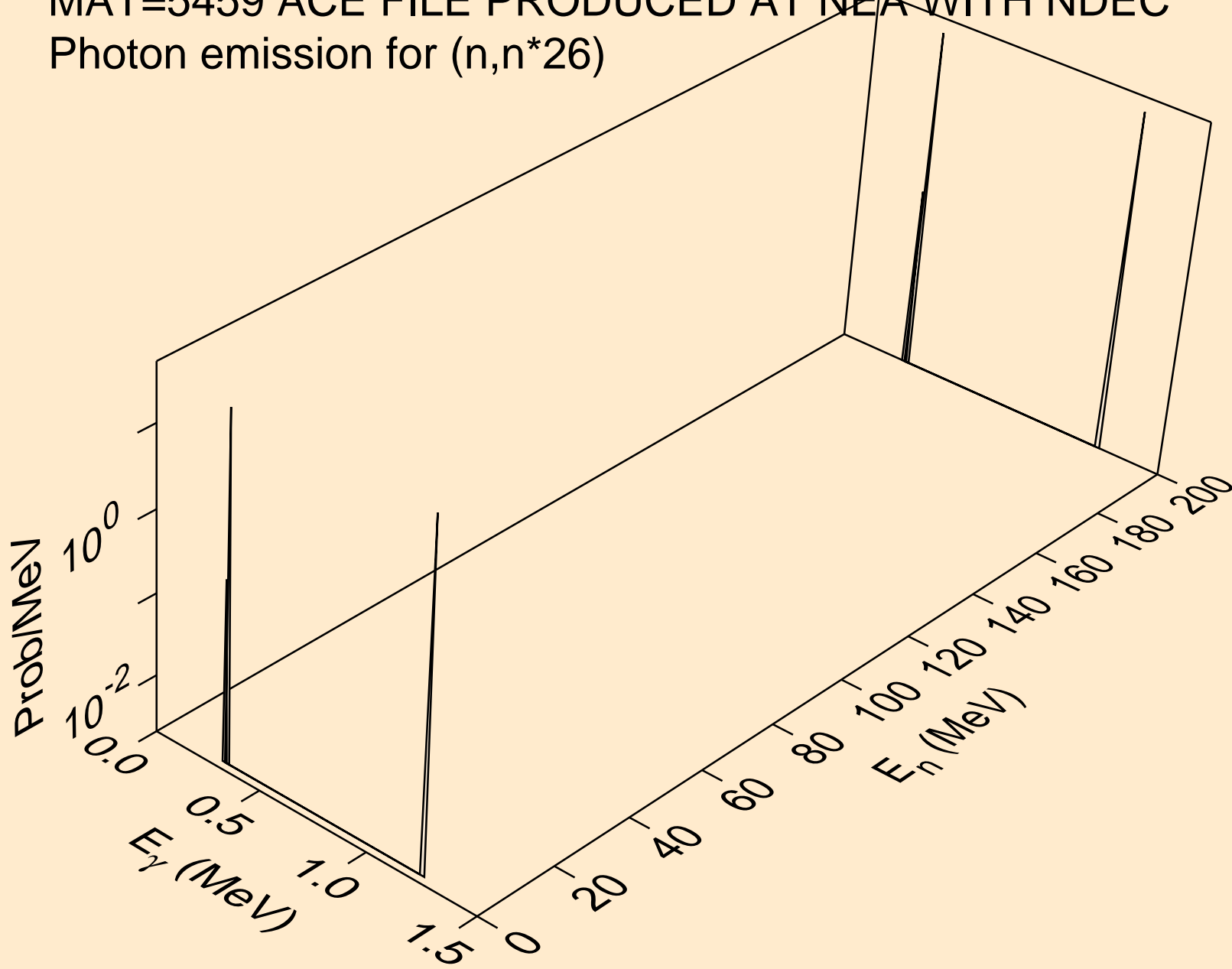
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Photon emission for (n,n\*24)



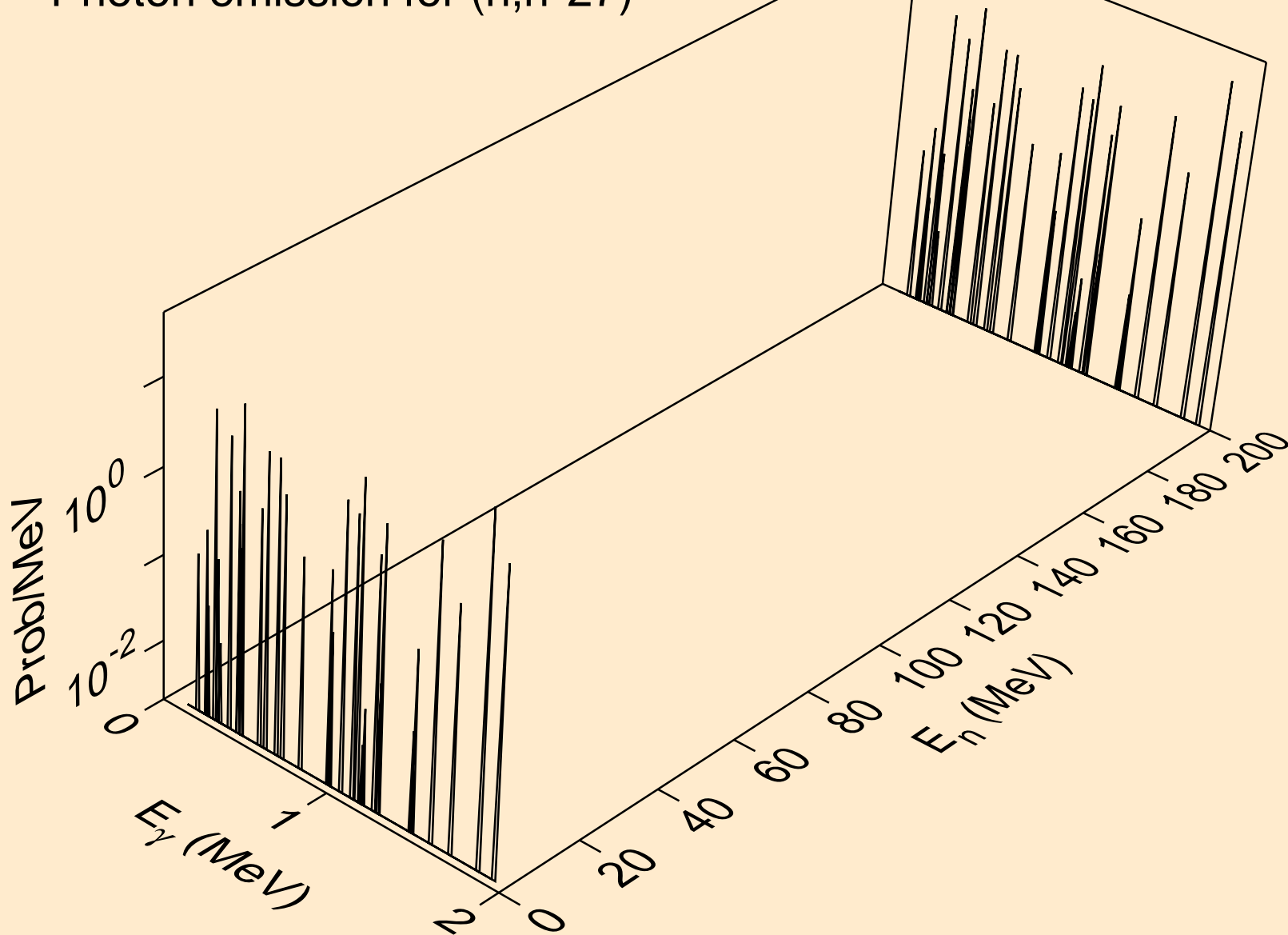
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Photon emission for (n,n\*25)



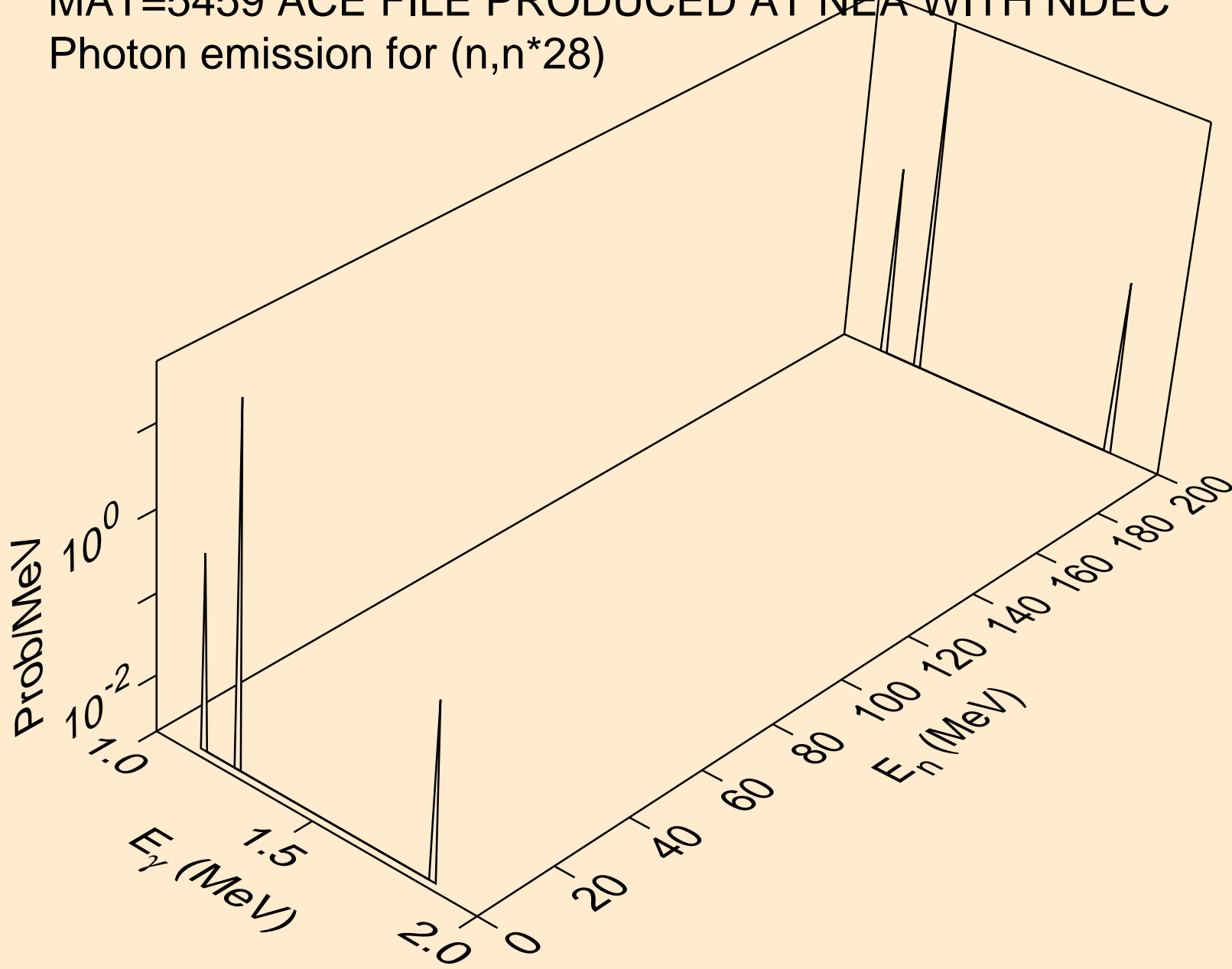
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Photon emission for (n,n\*26)



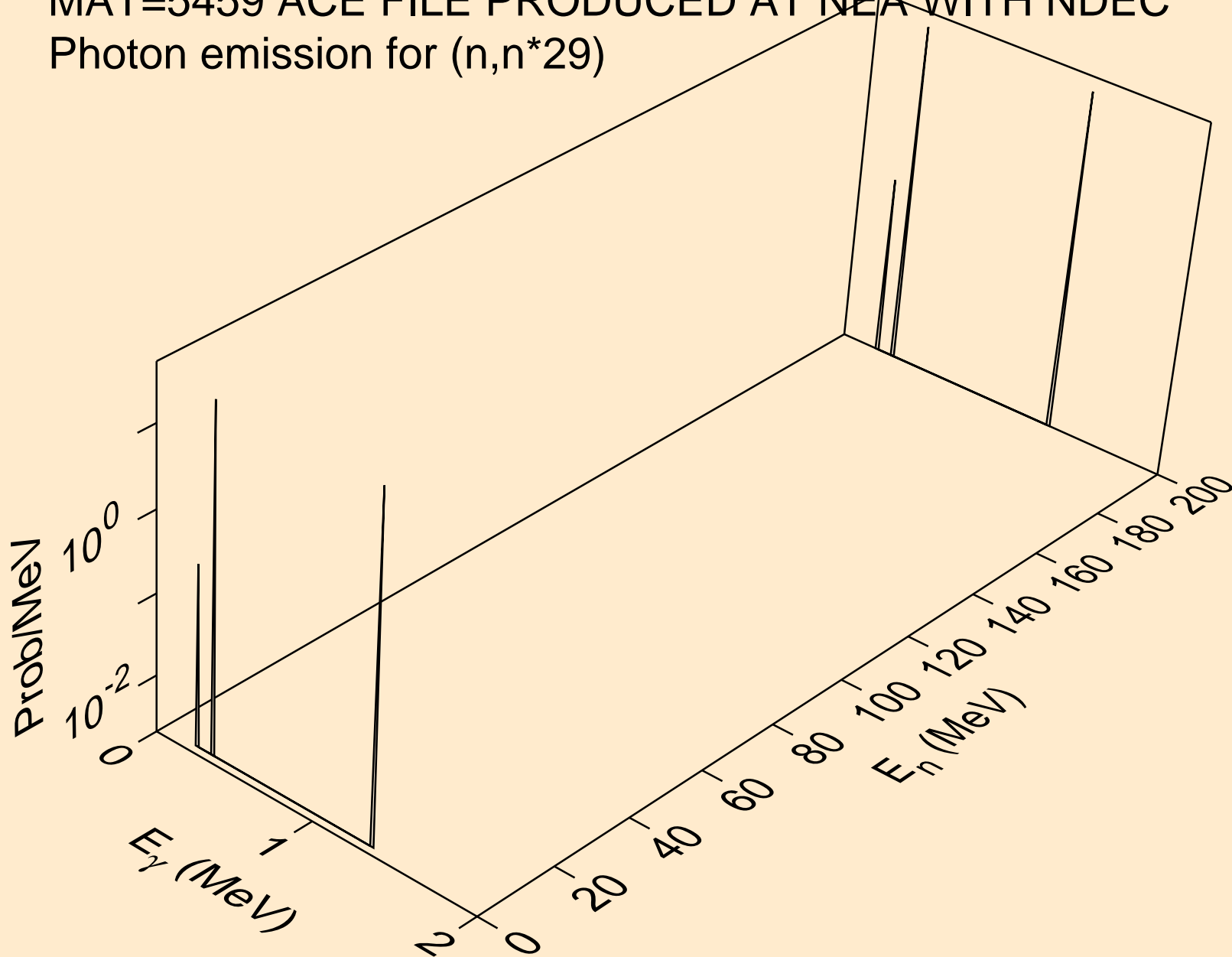
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Photon emission for (n,n\*27)



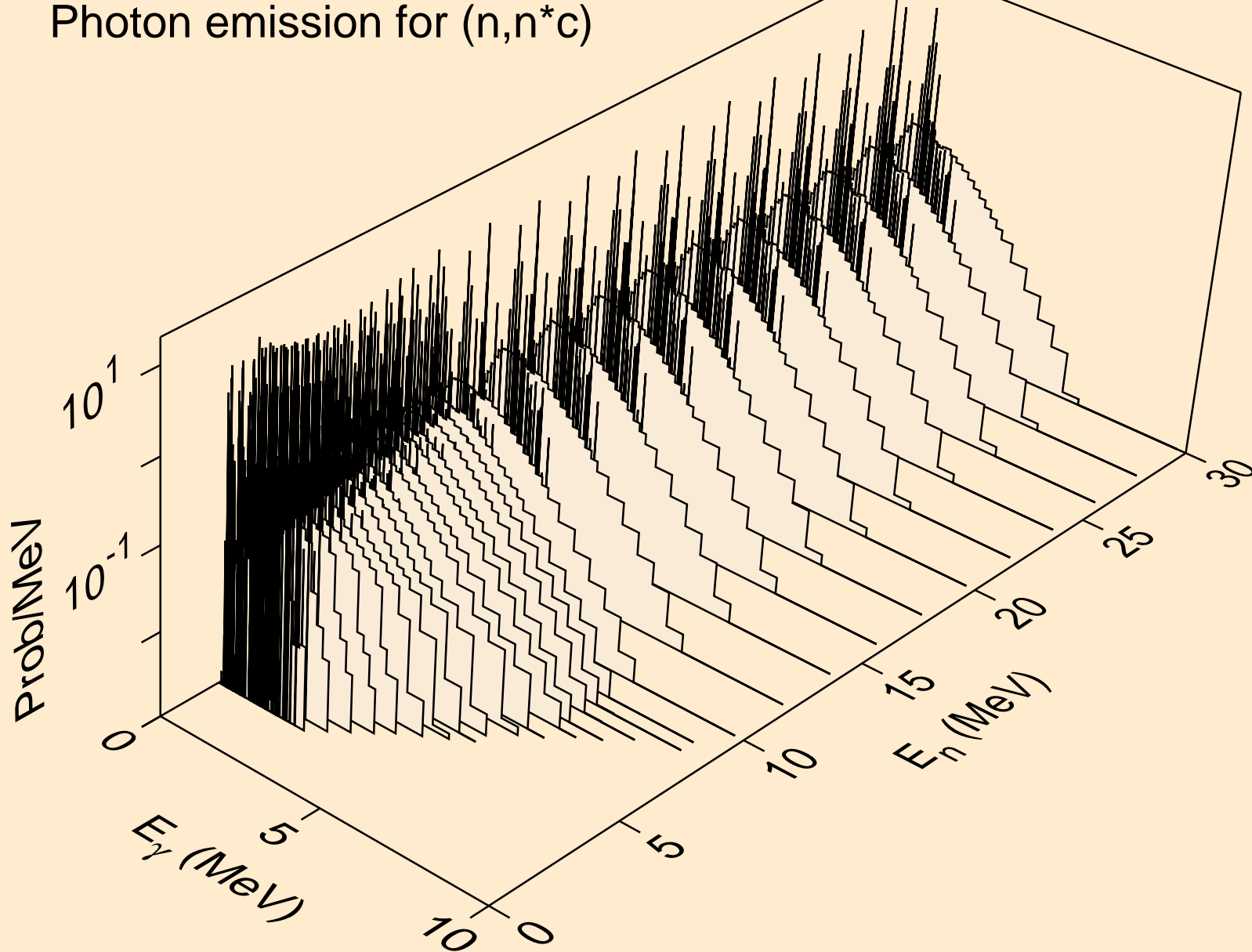
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Photon emission for (n,n\*28)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*29)

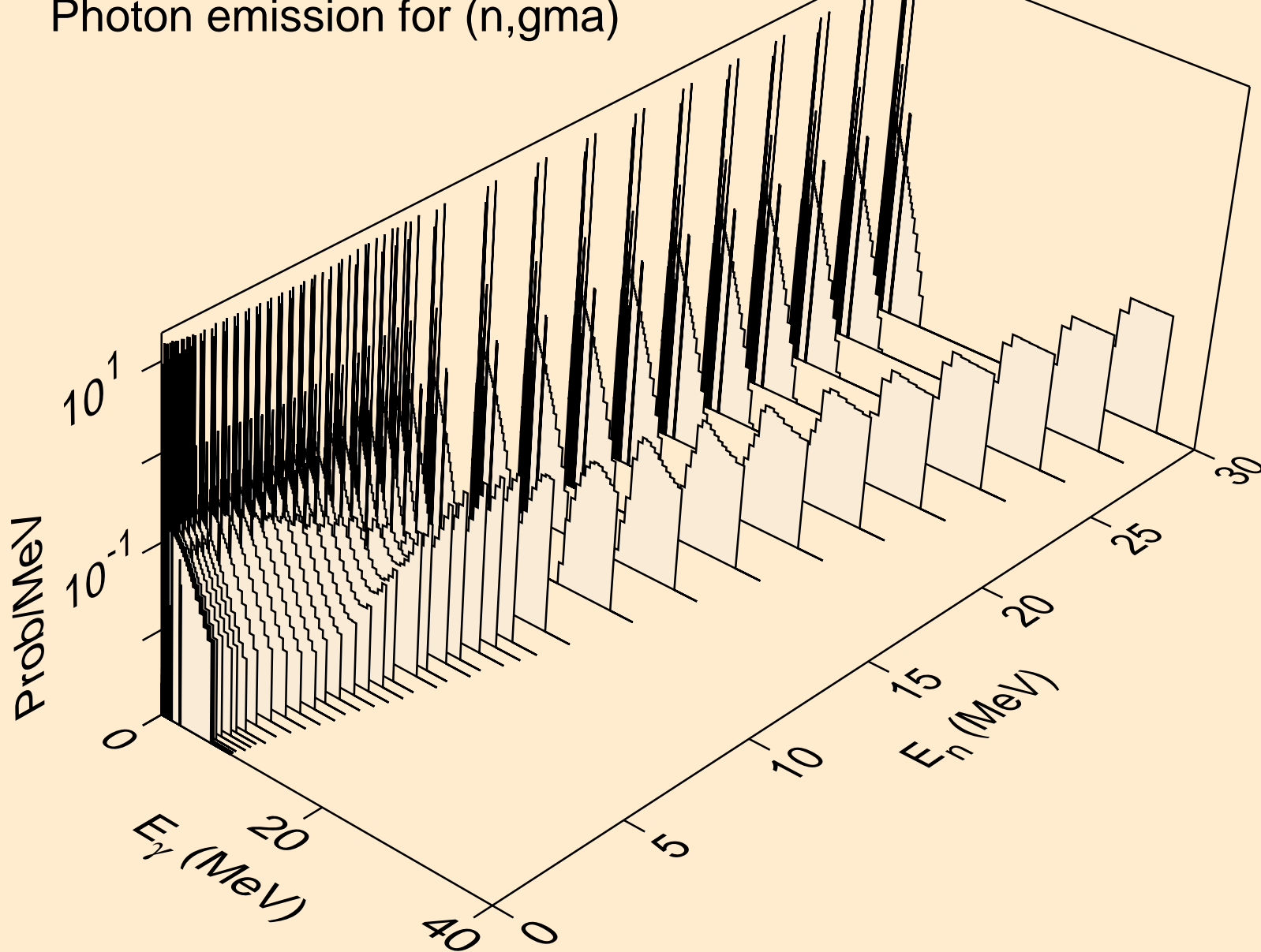


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*c)

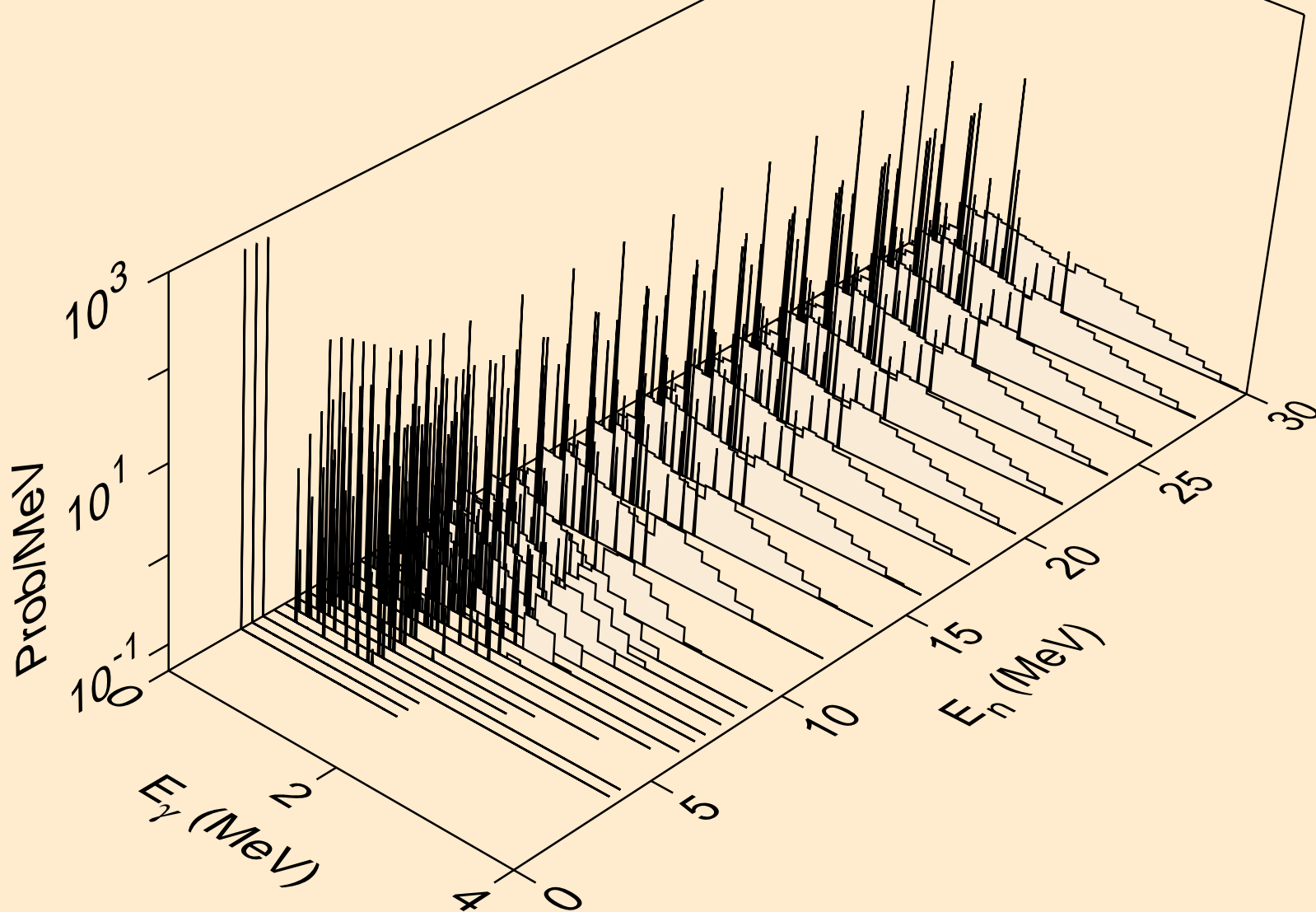




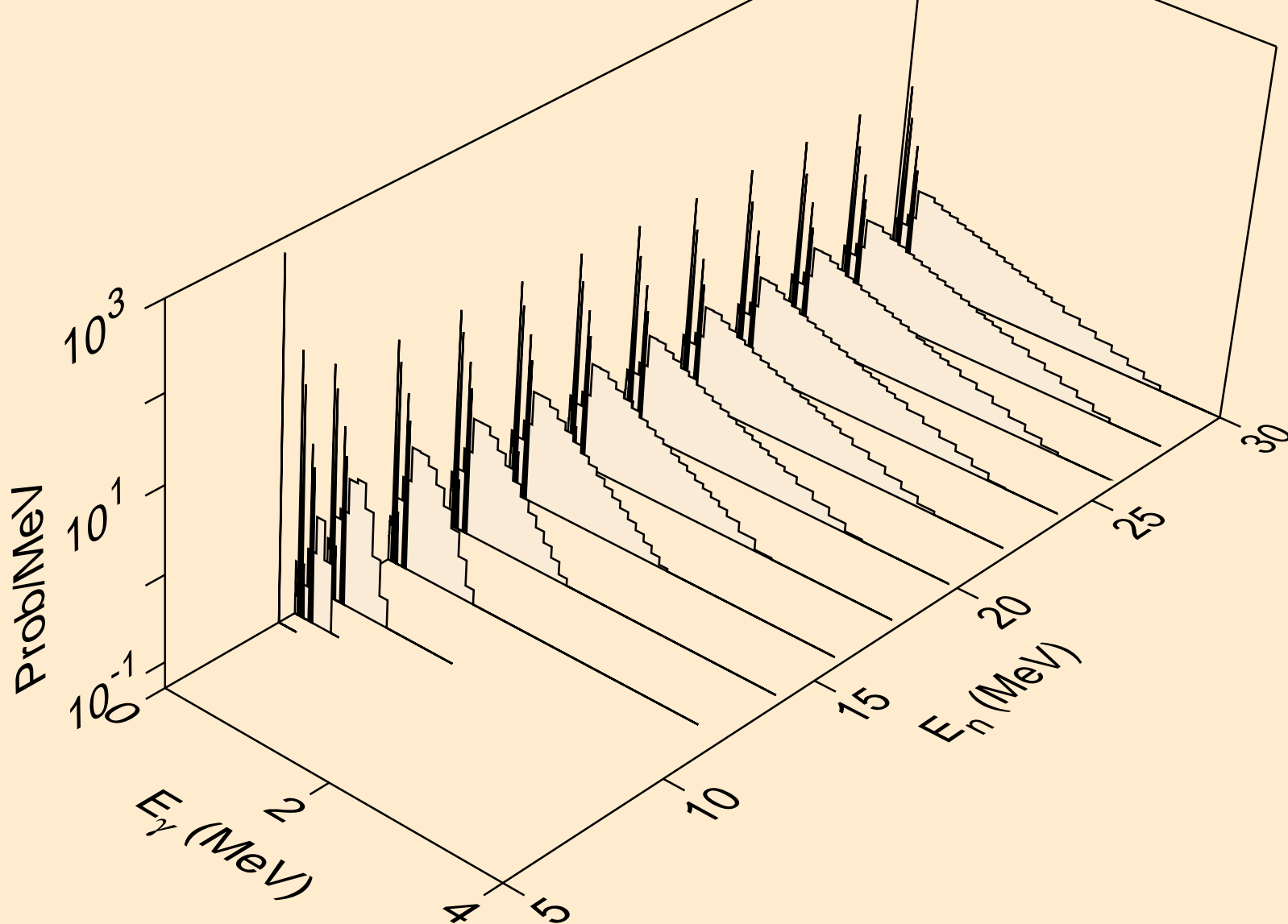
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Photon emission for (n,gma)



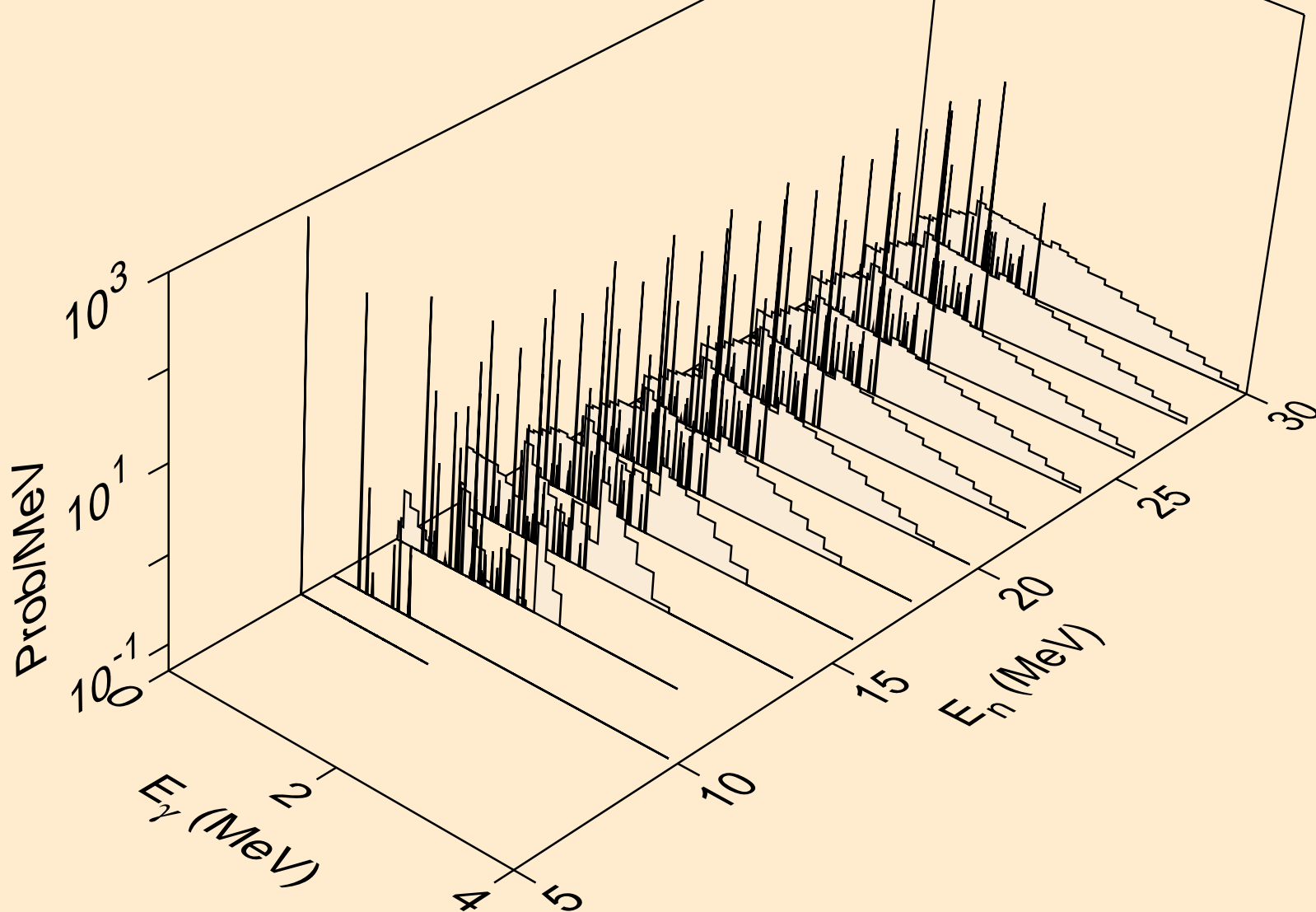
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Photon emission for (n,p)



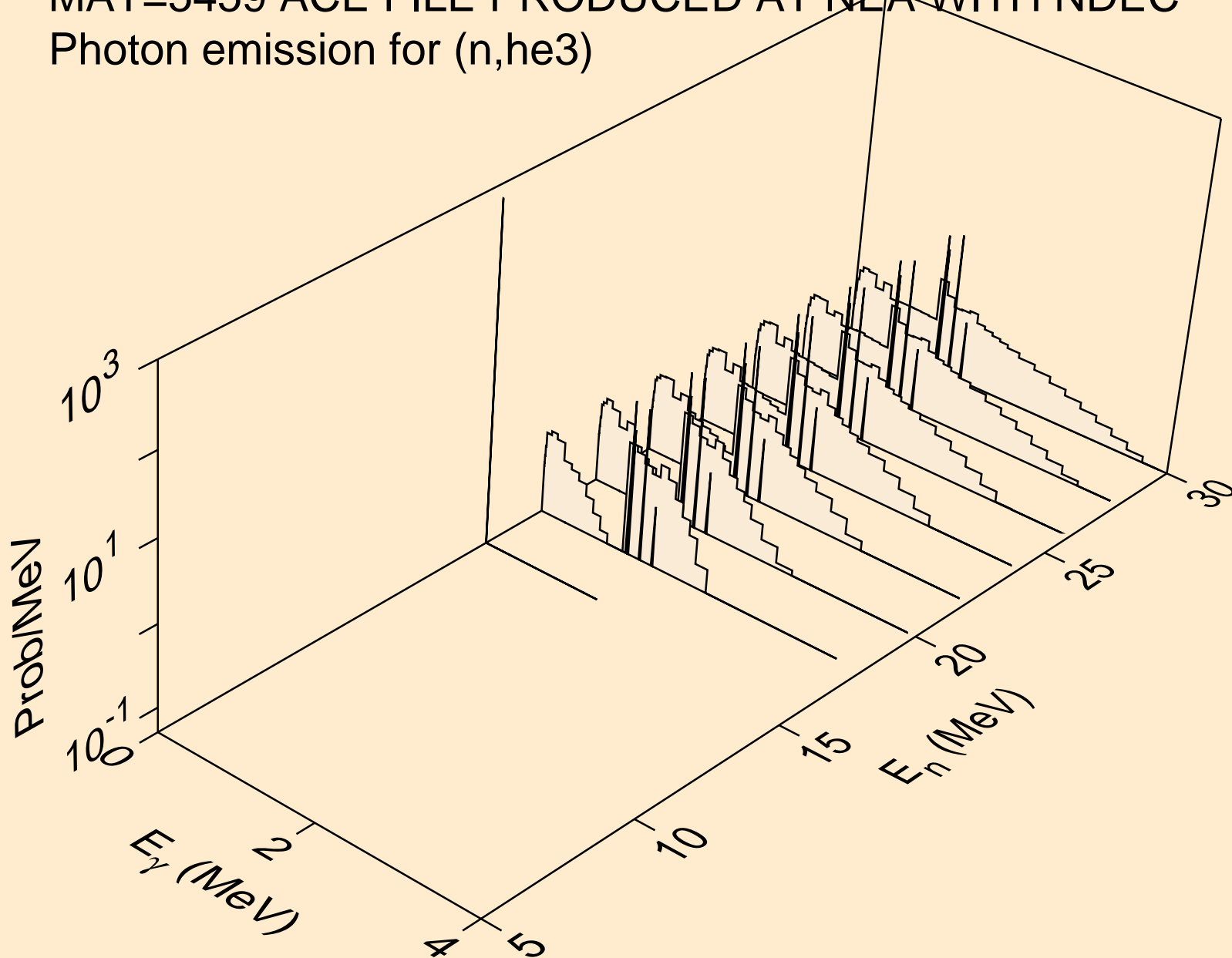
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Photon emission for (n,d)



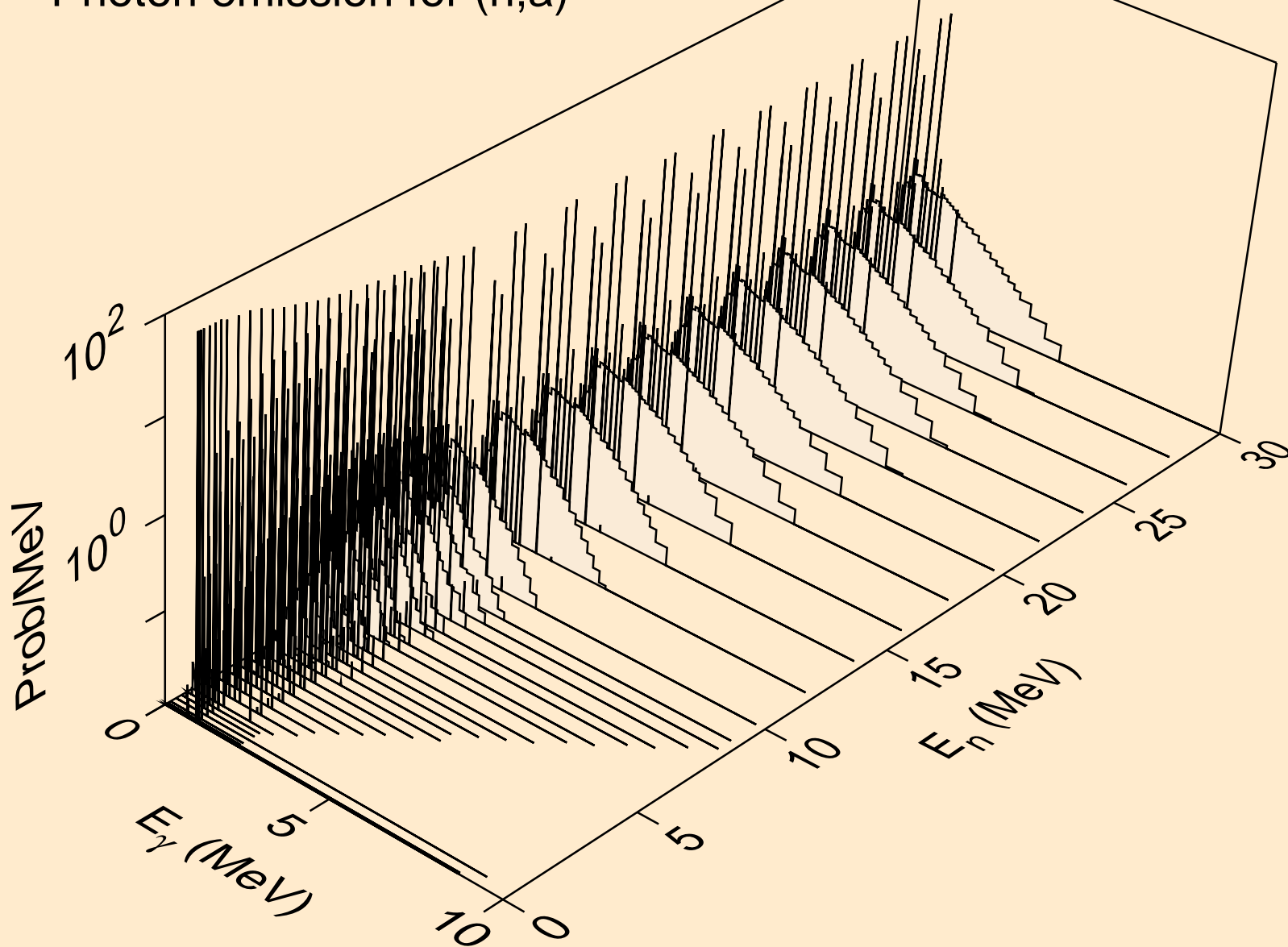
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Photon emission for (n,t)



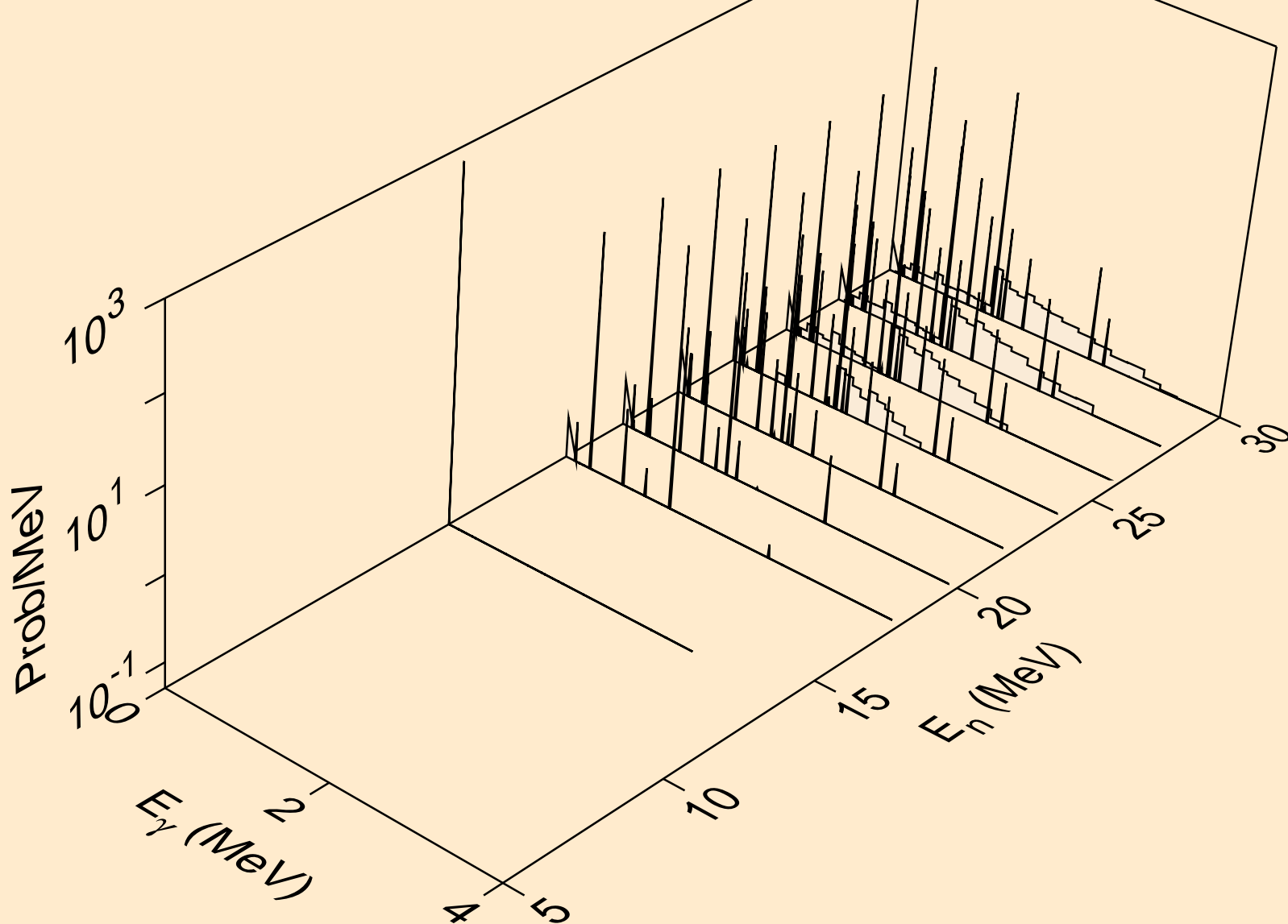
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,he3)



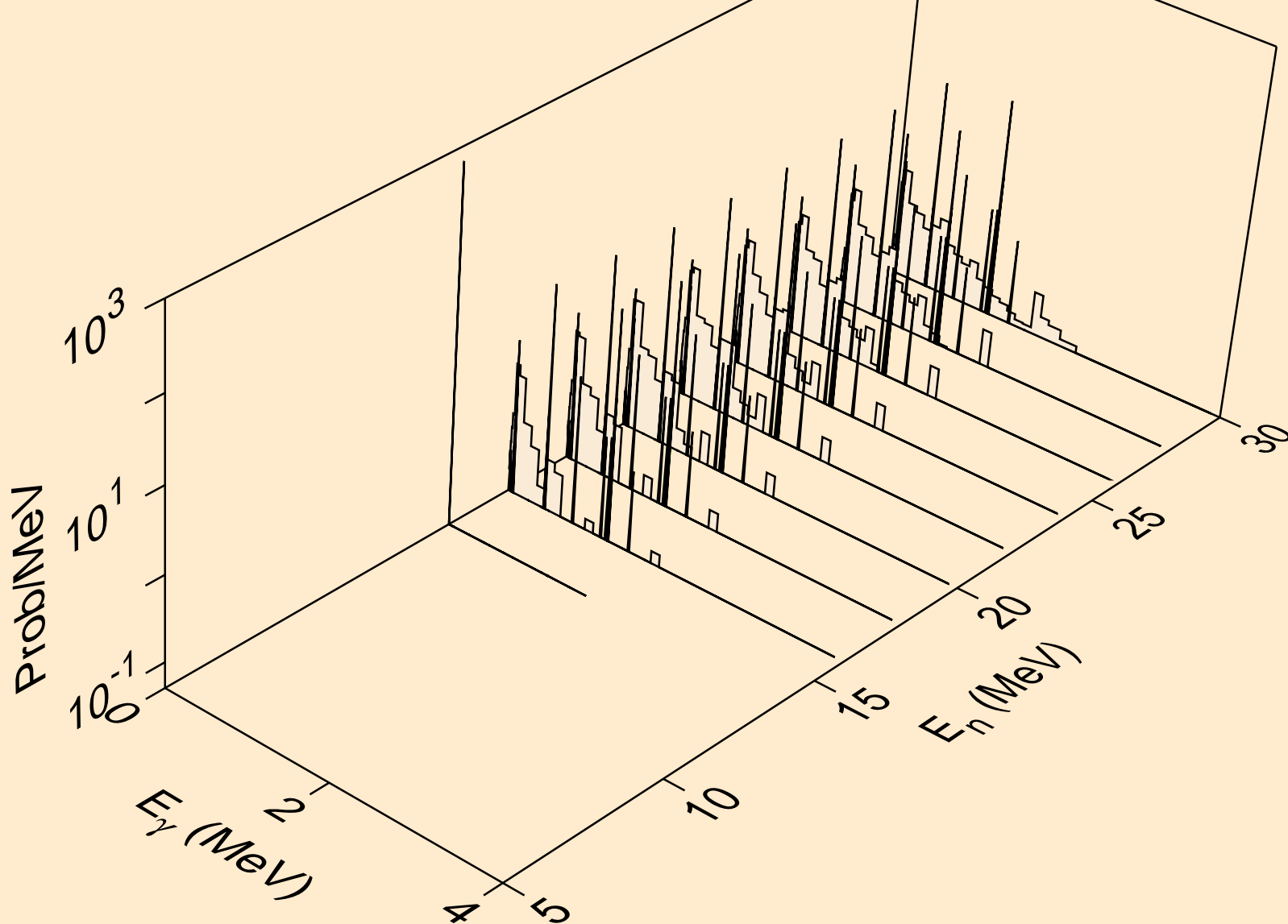
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,a)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,2p)

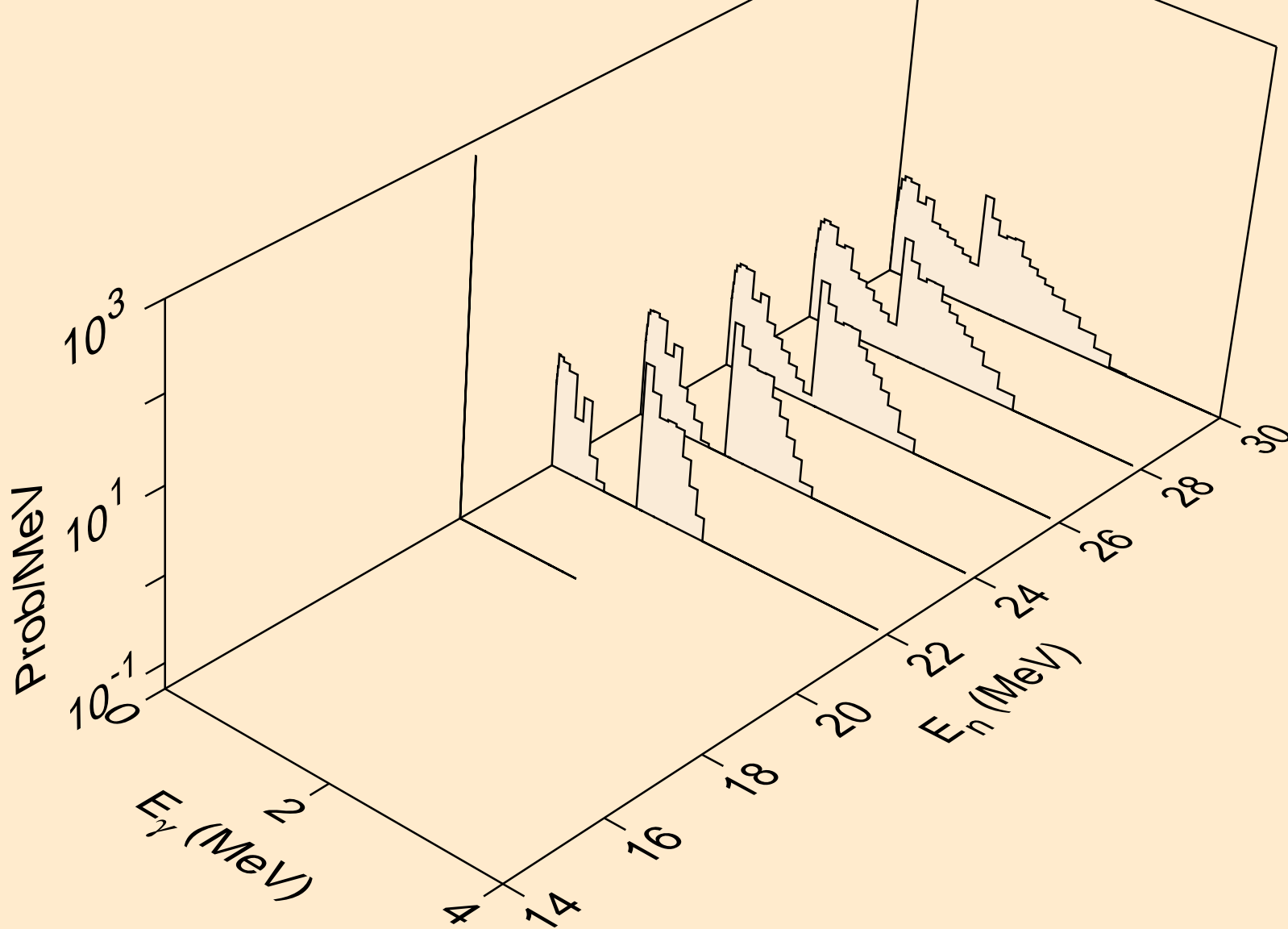


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,pa)

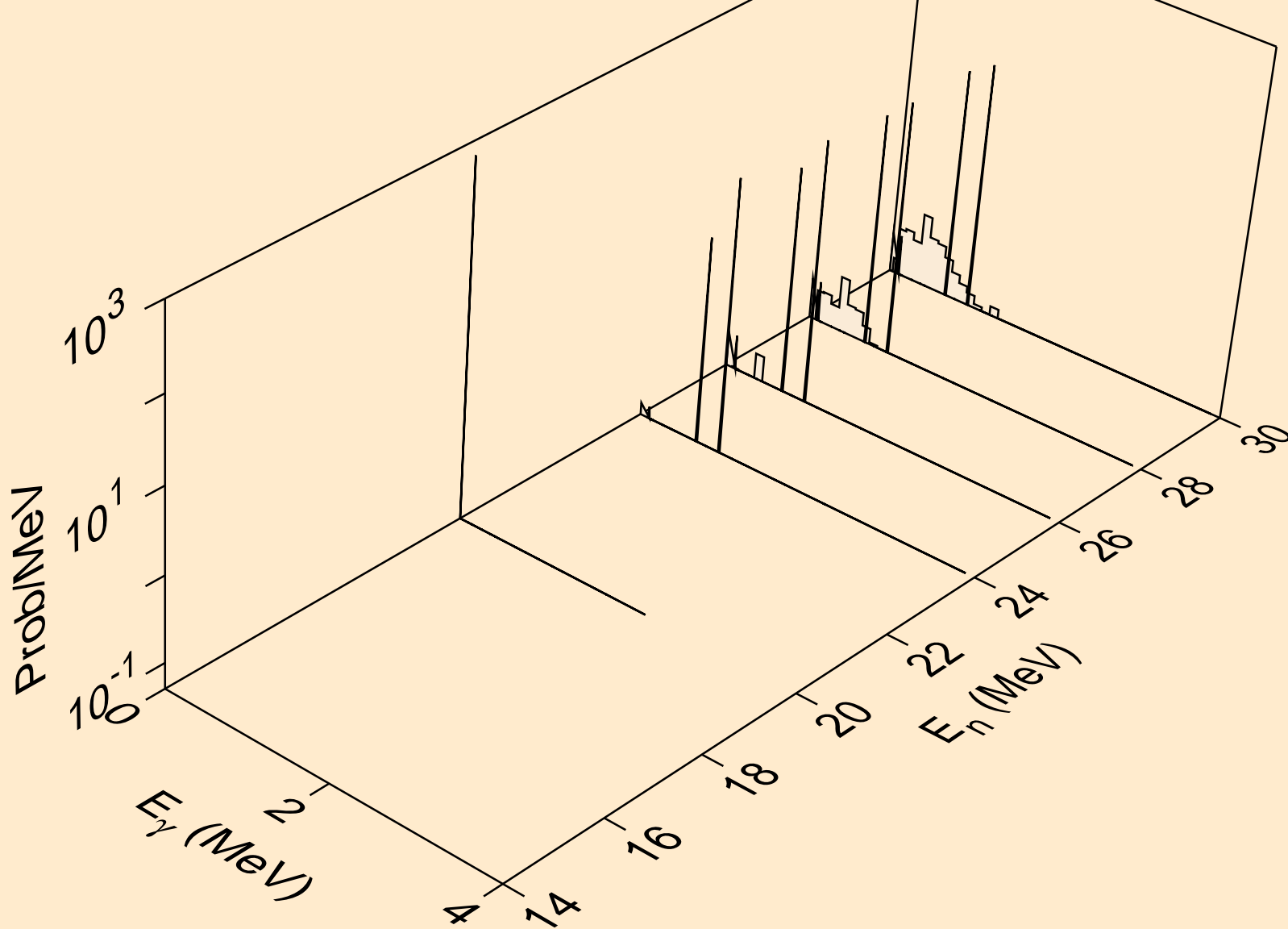




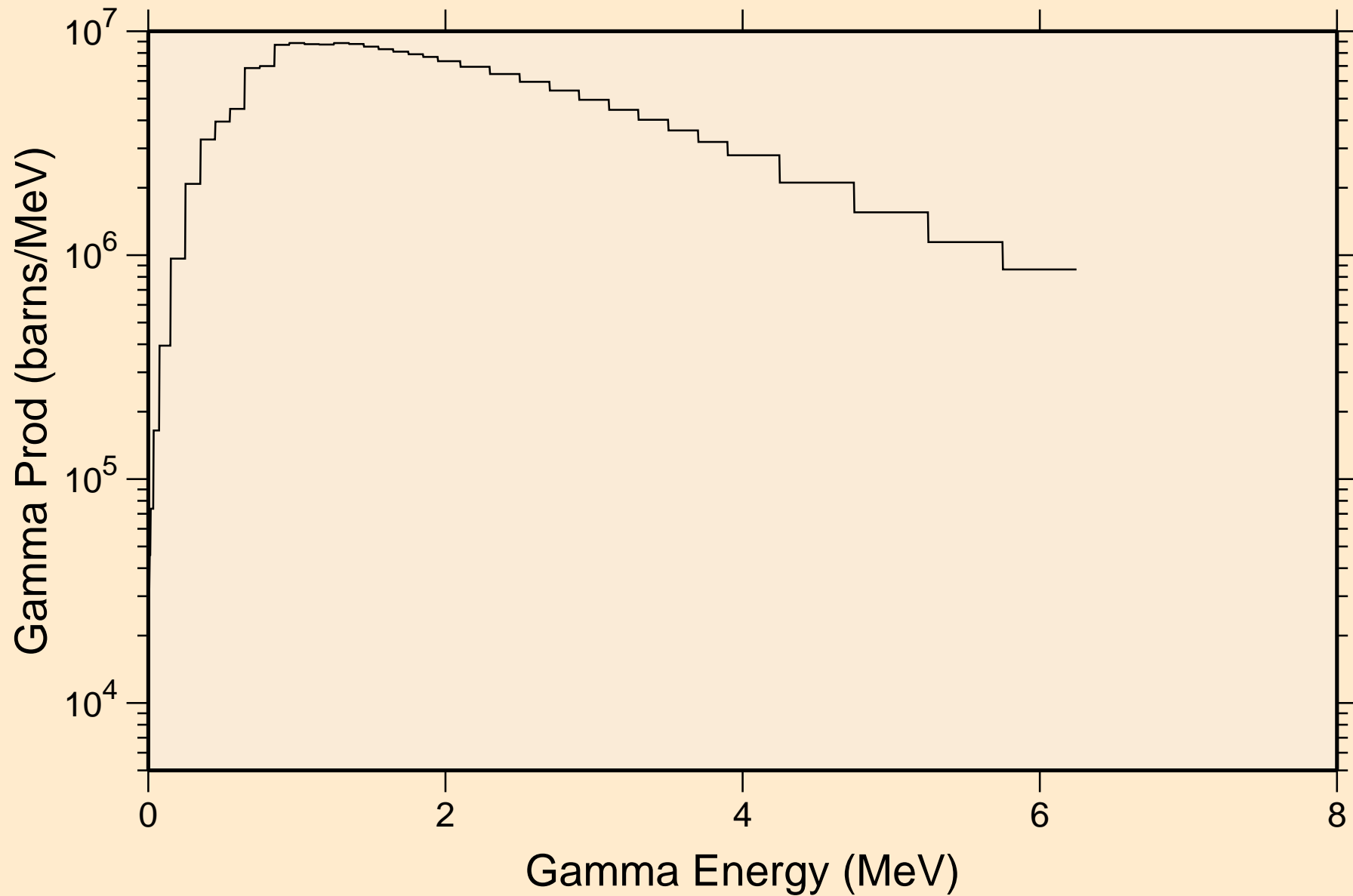
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,pd)



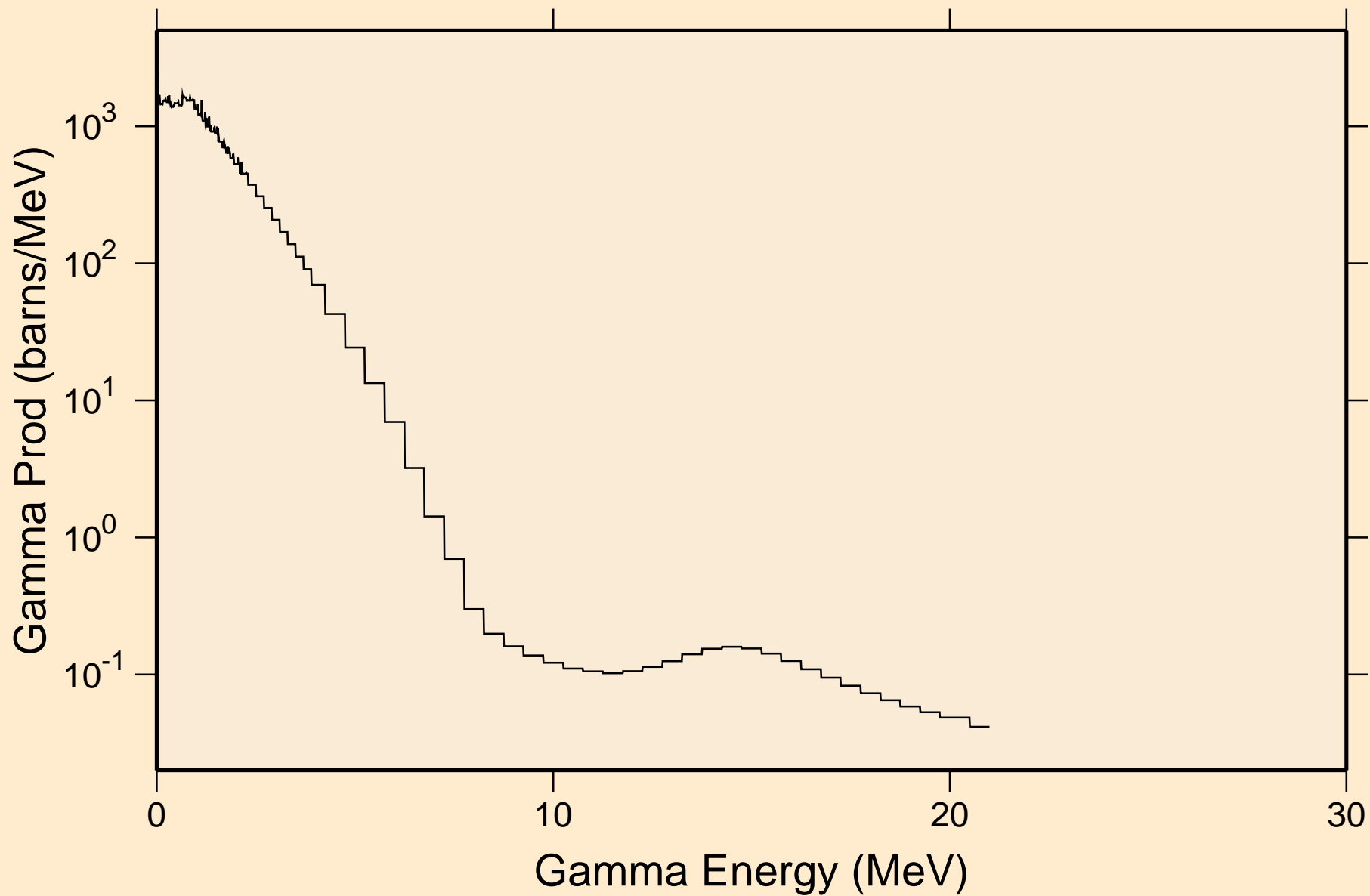
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Photon emission for (n,pt)



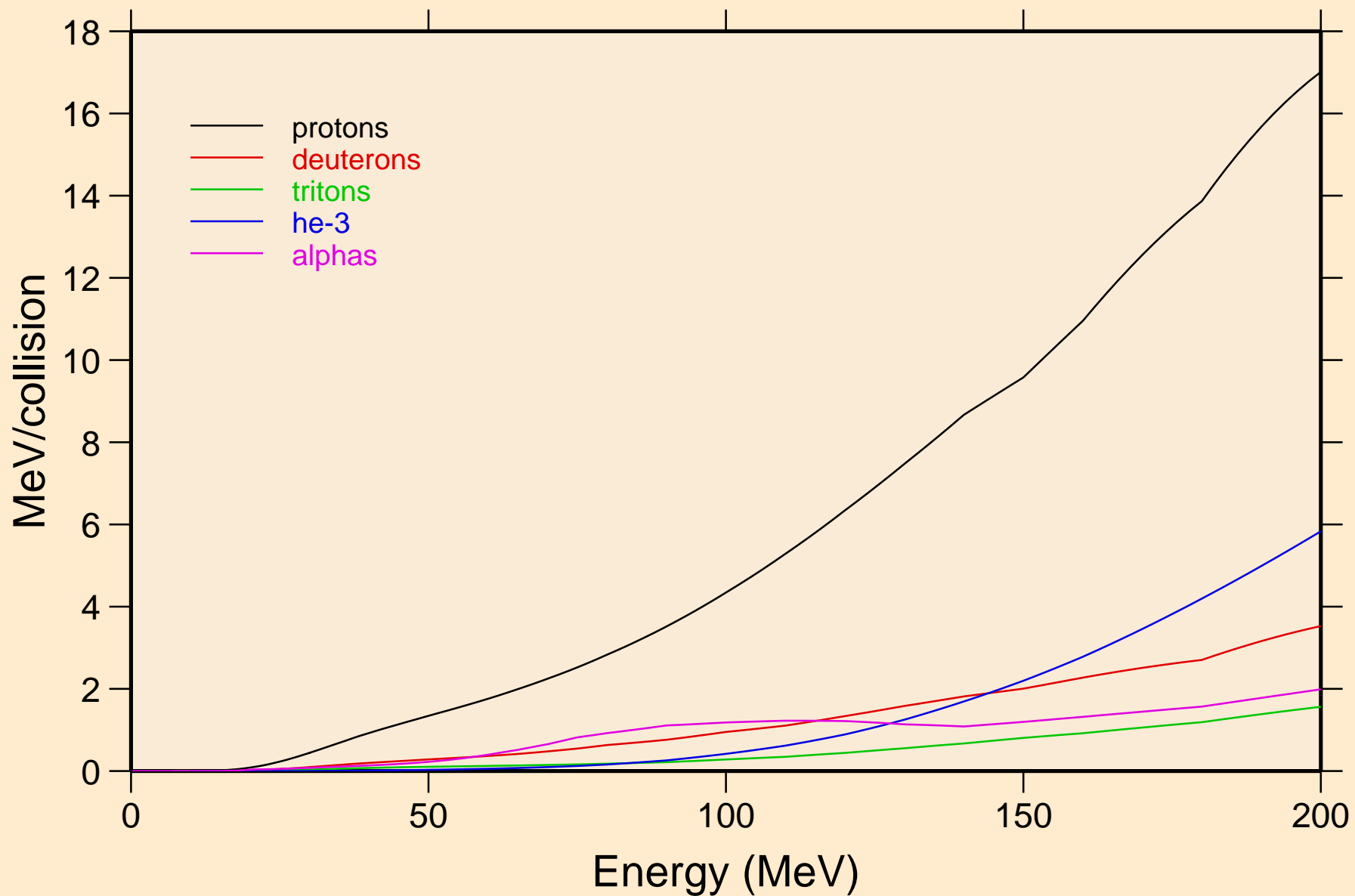
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
thermal capture photon spectrum



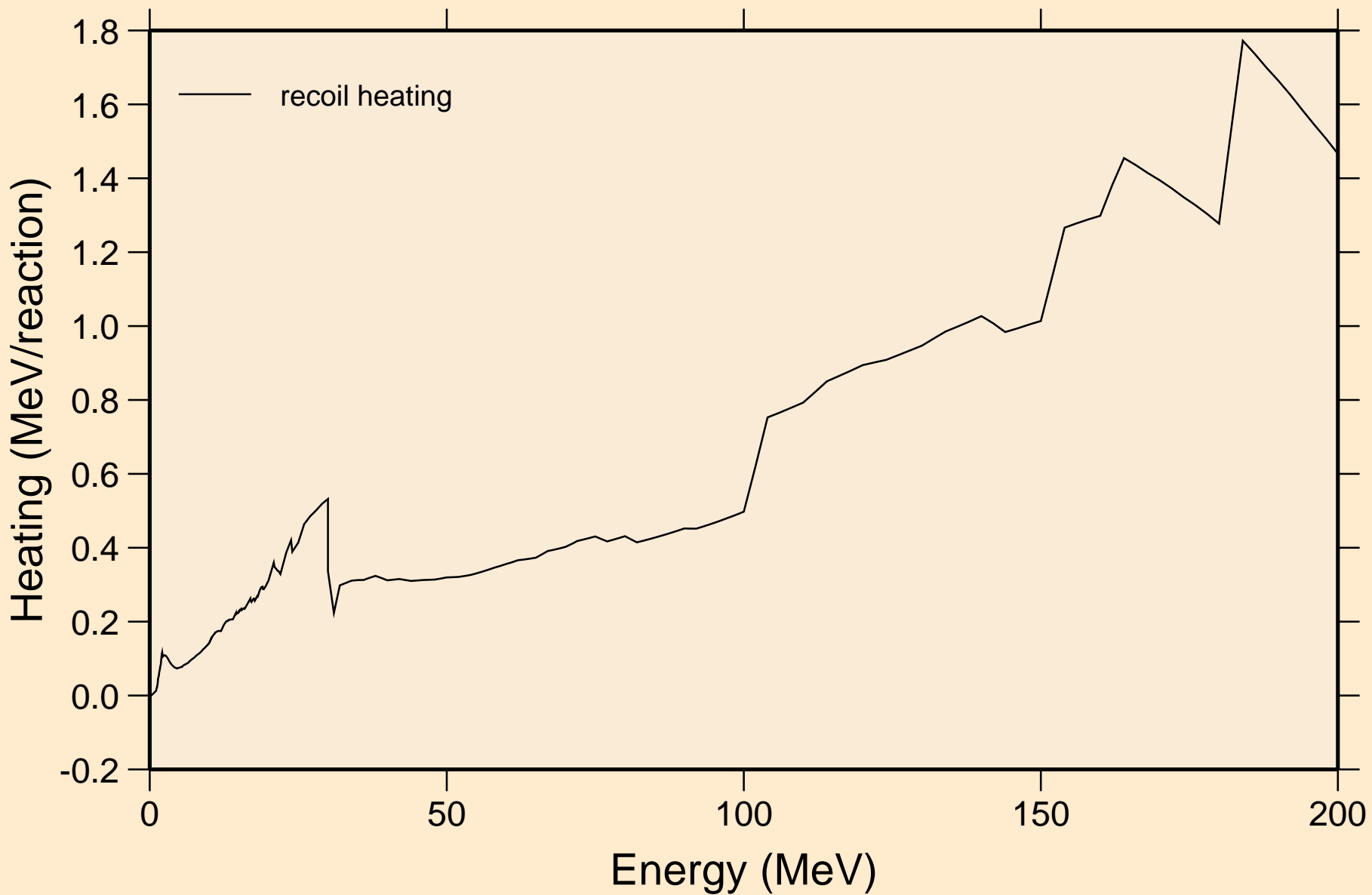
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14 MeV photon spectrum



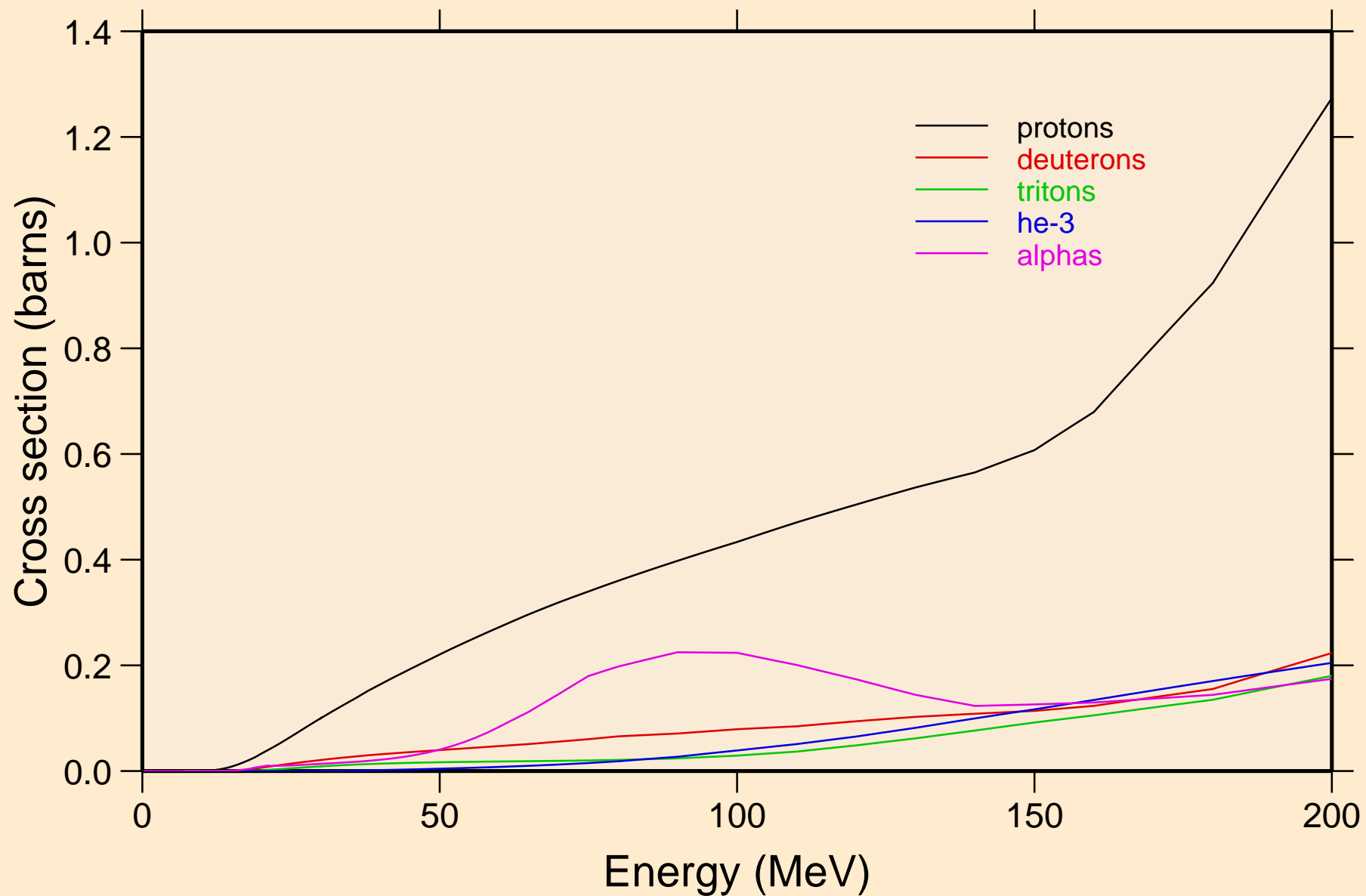
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Particle heating contributions



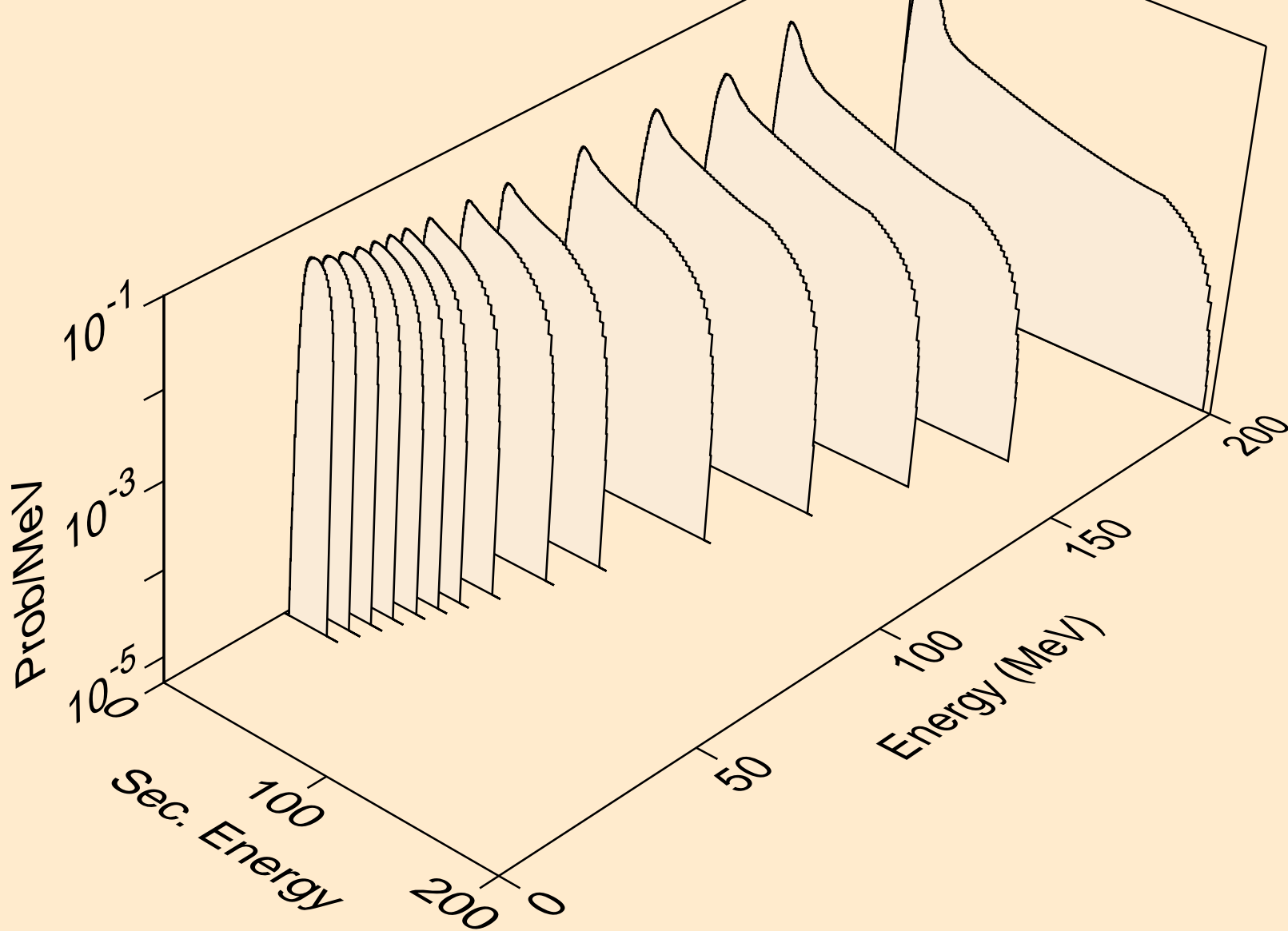
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Recoil Heating



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
Particle production cross sections

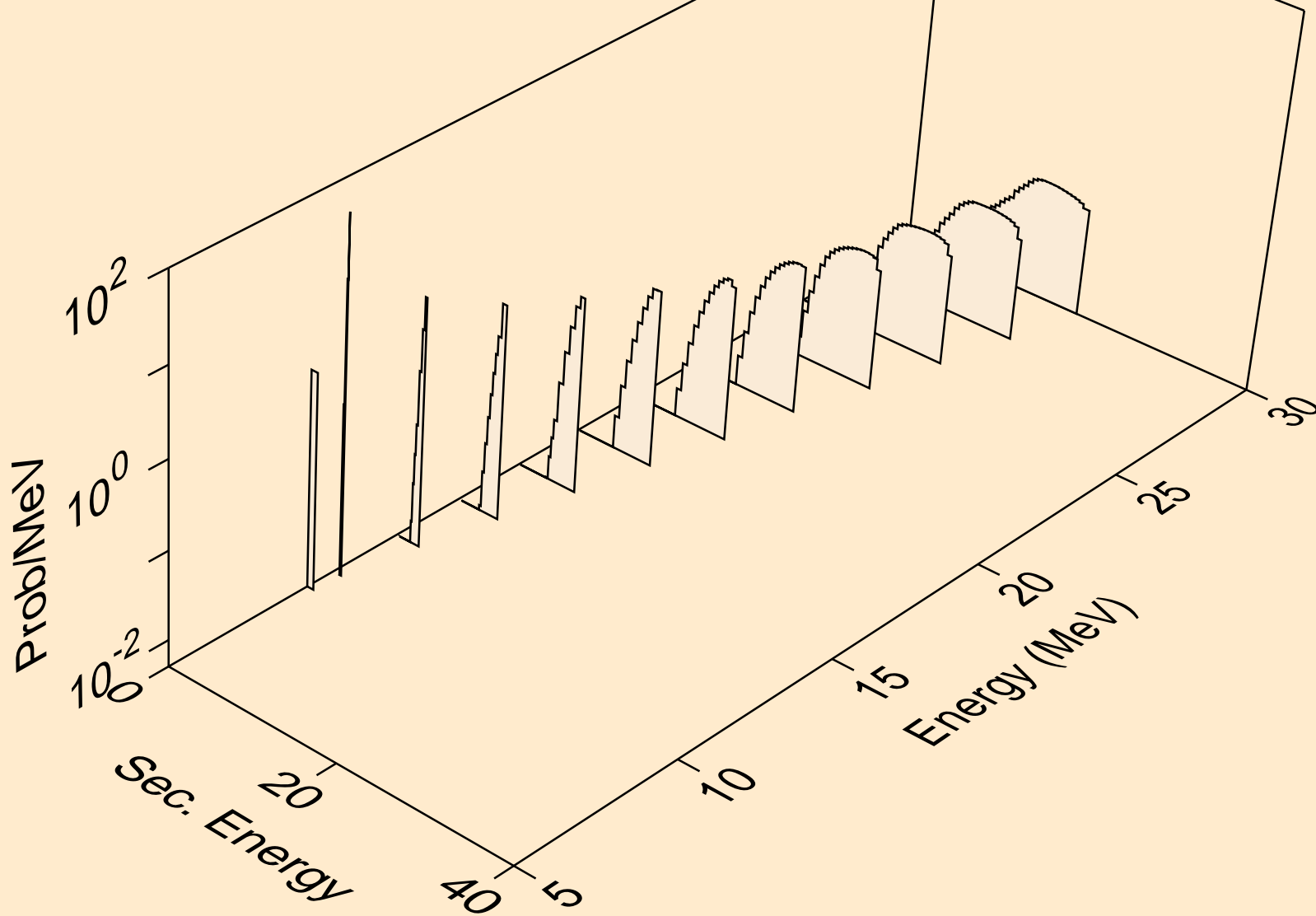


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,x)

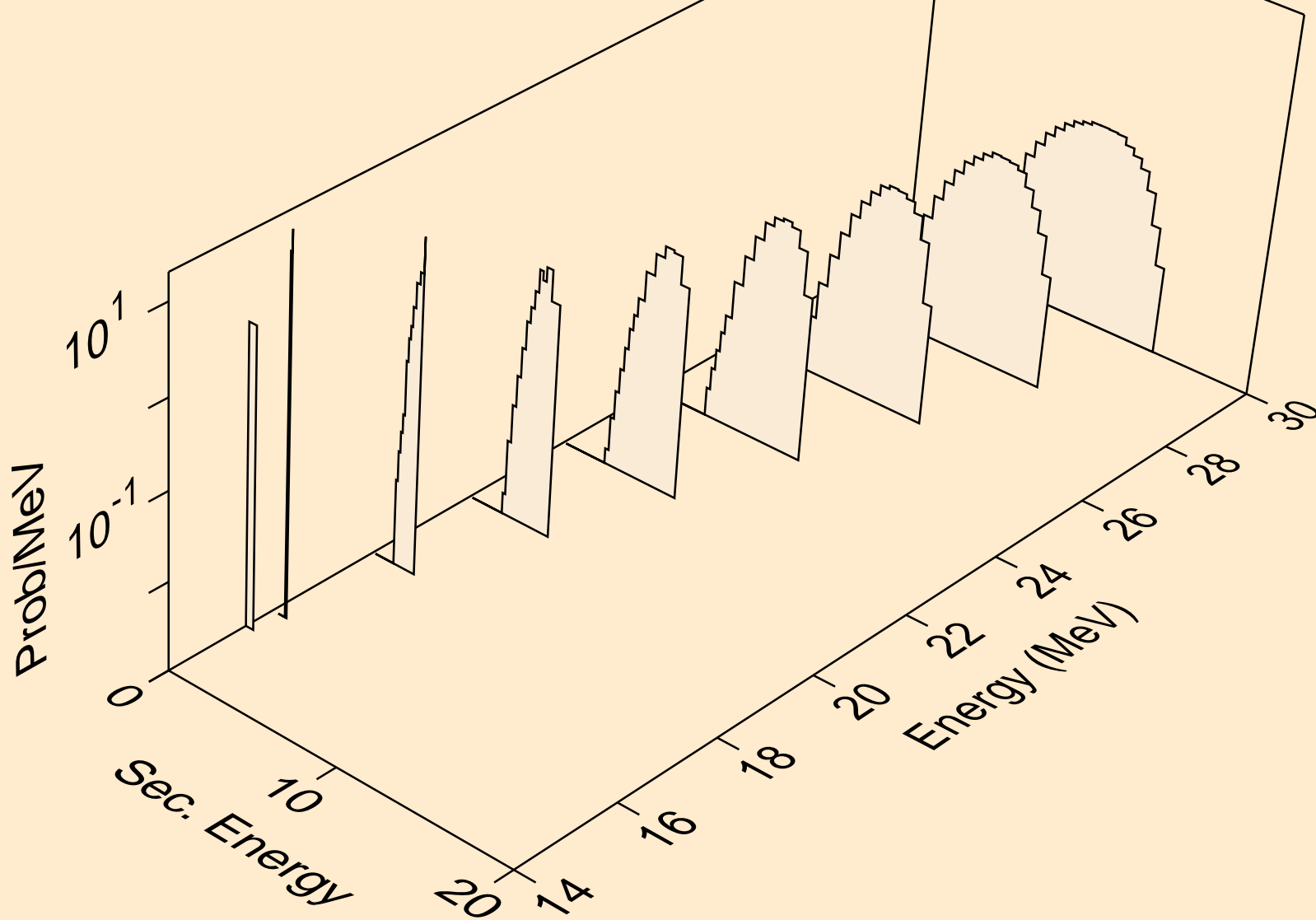




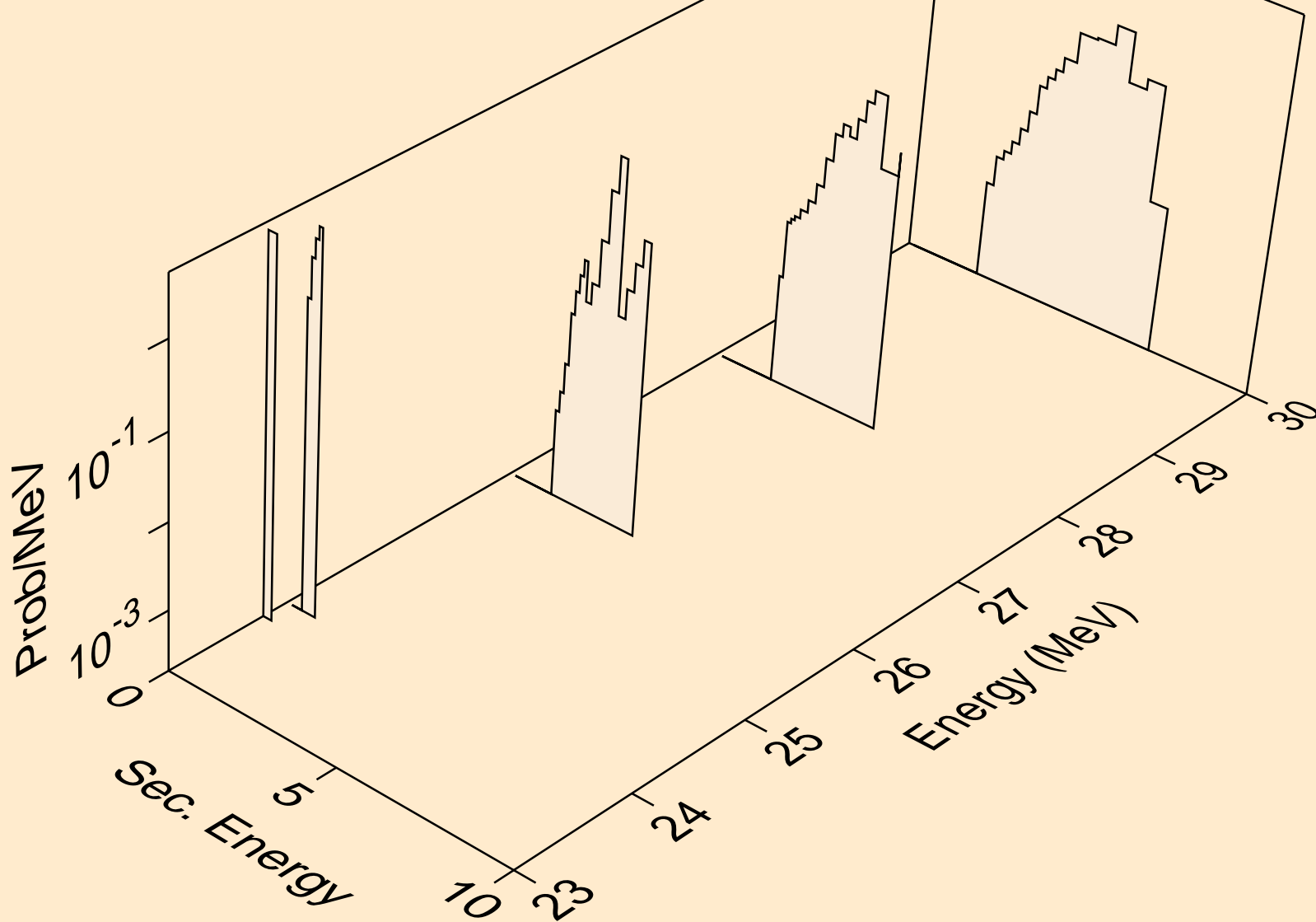
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protons from (n,n\*)p



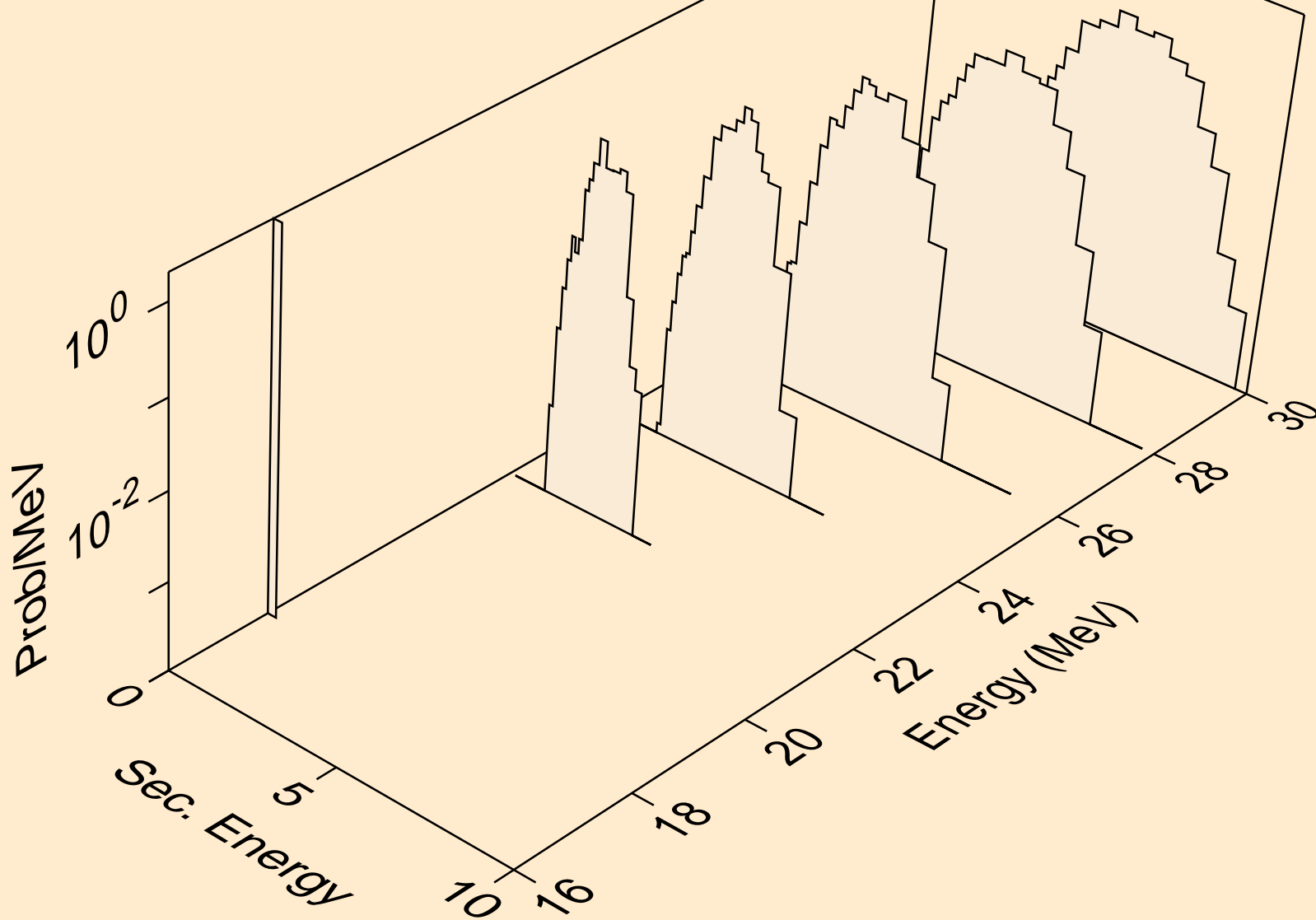
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protons from (n,2np)



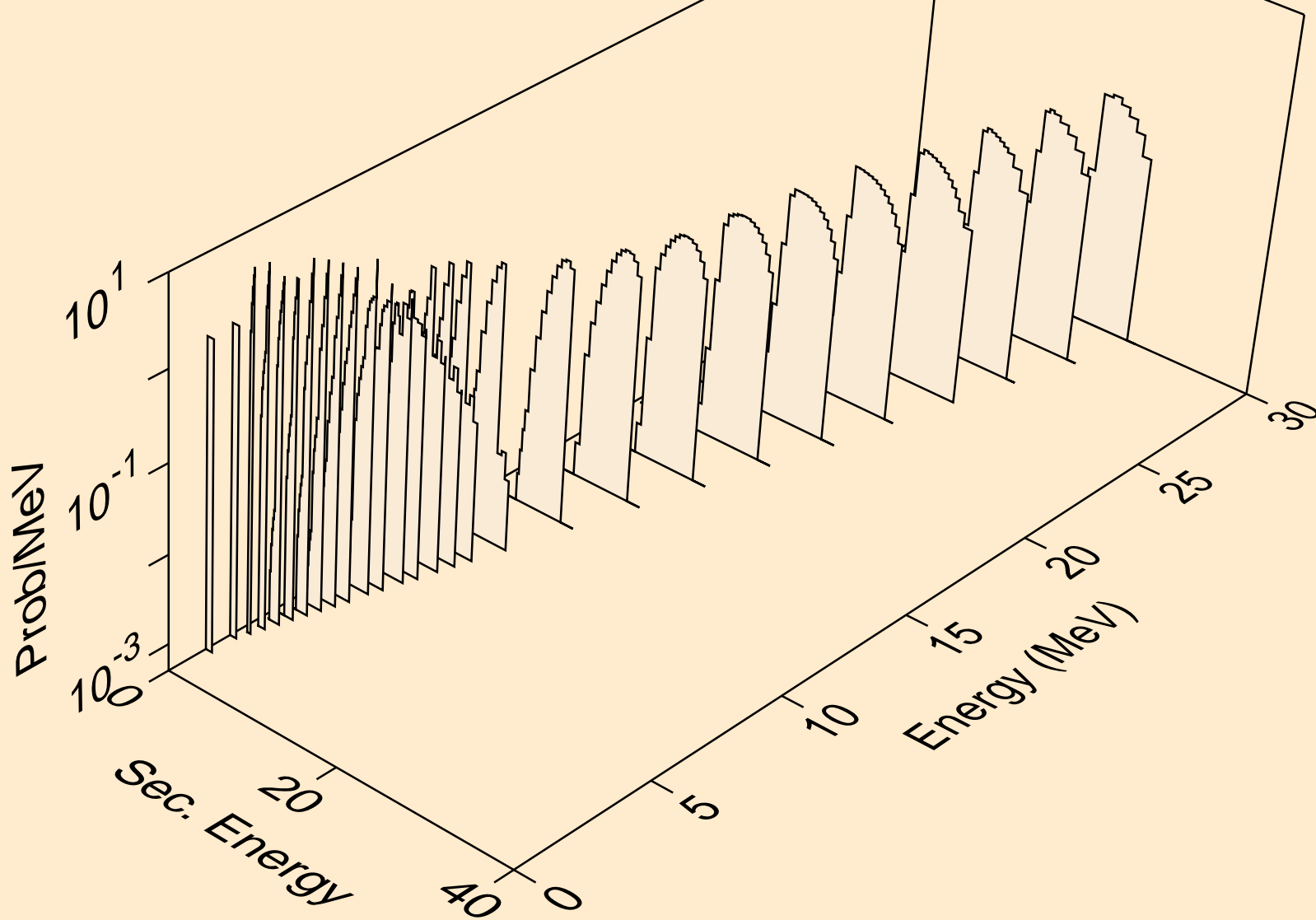
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protons from (n,3np)



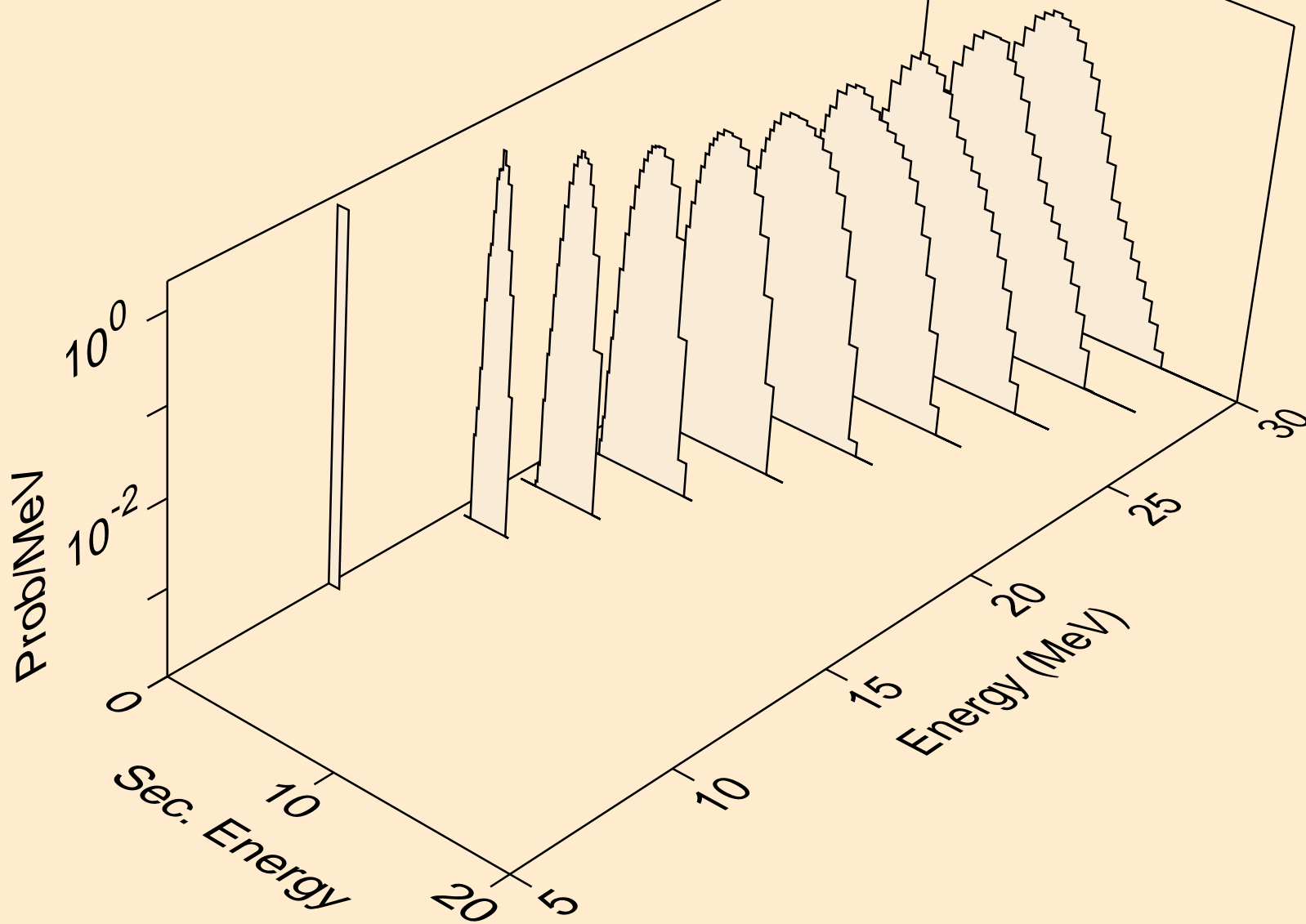
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,2np)



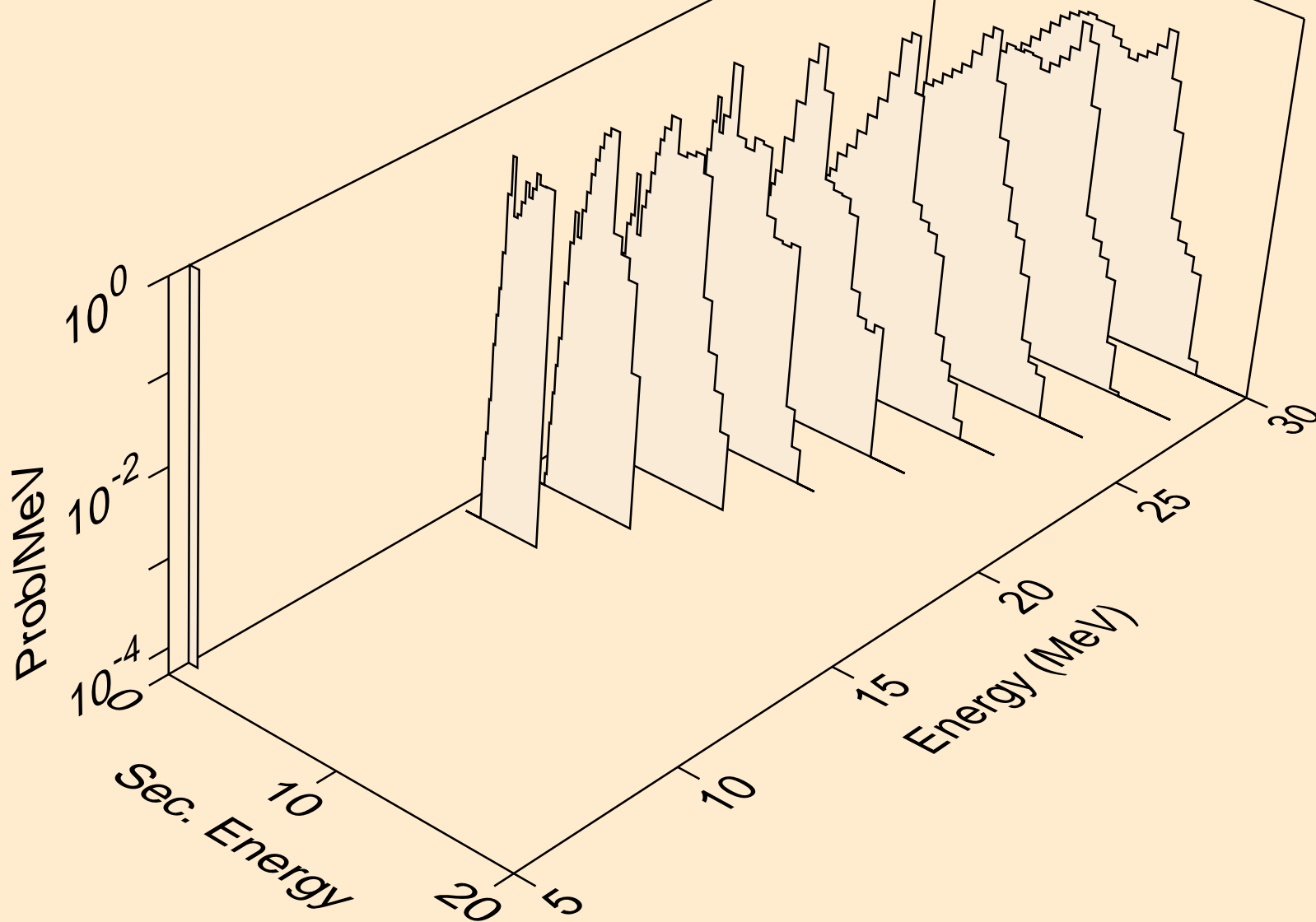
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,p)



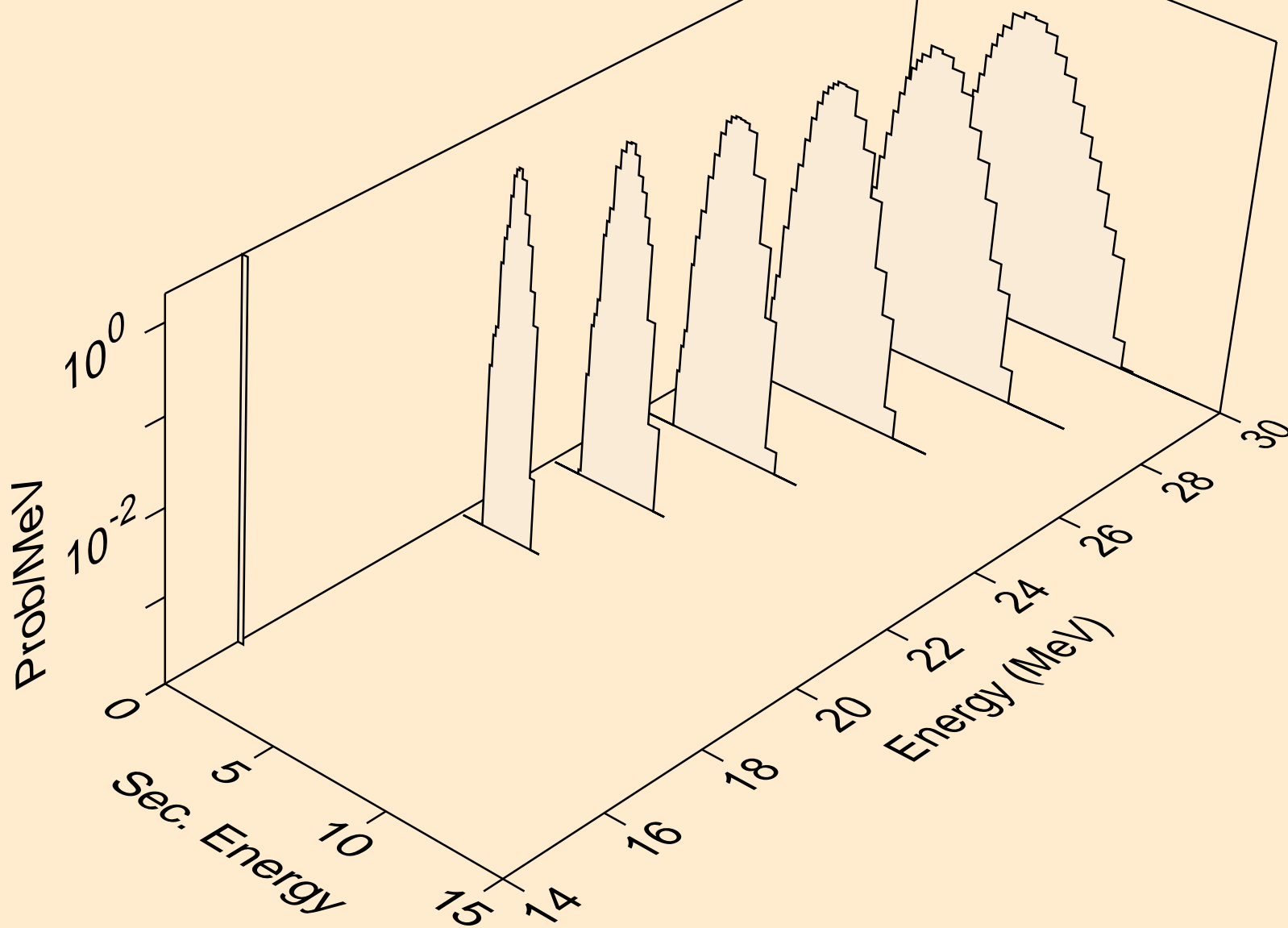
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,2p)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,pa)

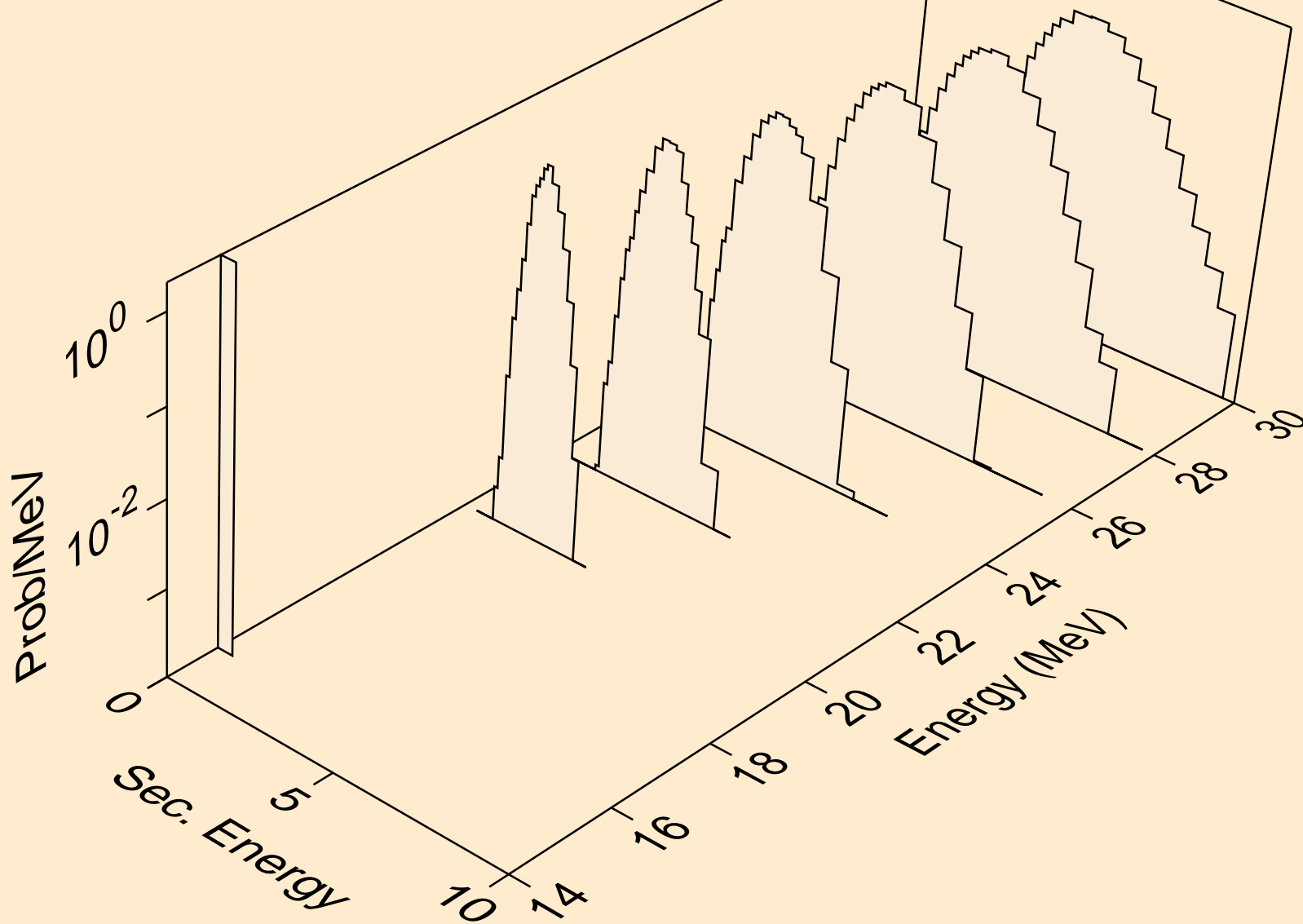


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,pd)

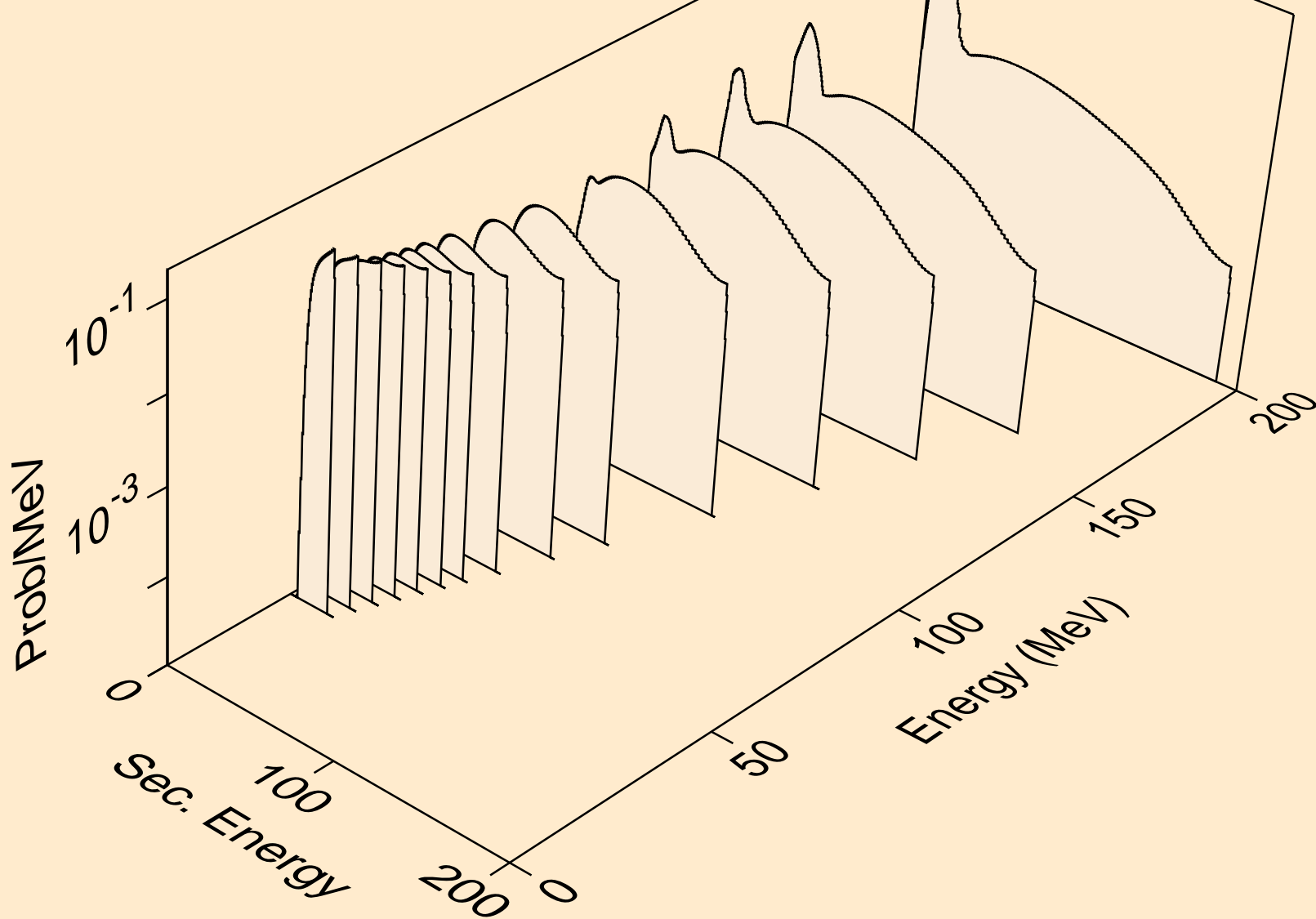




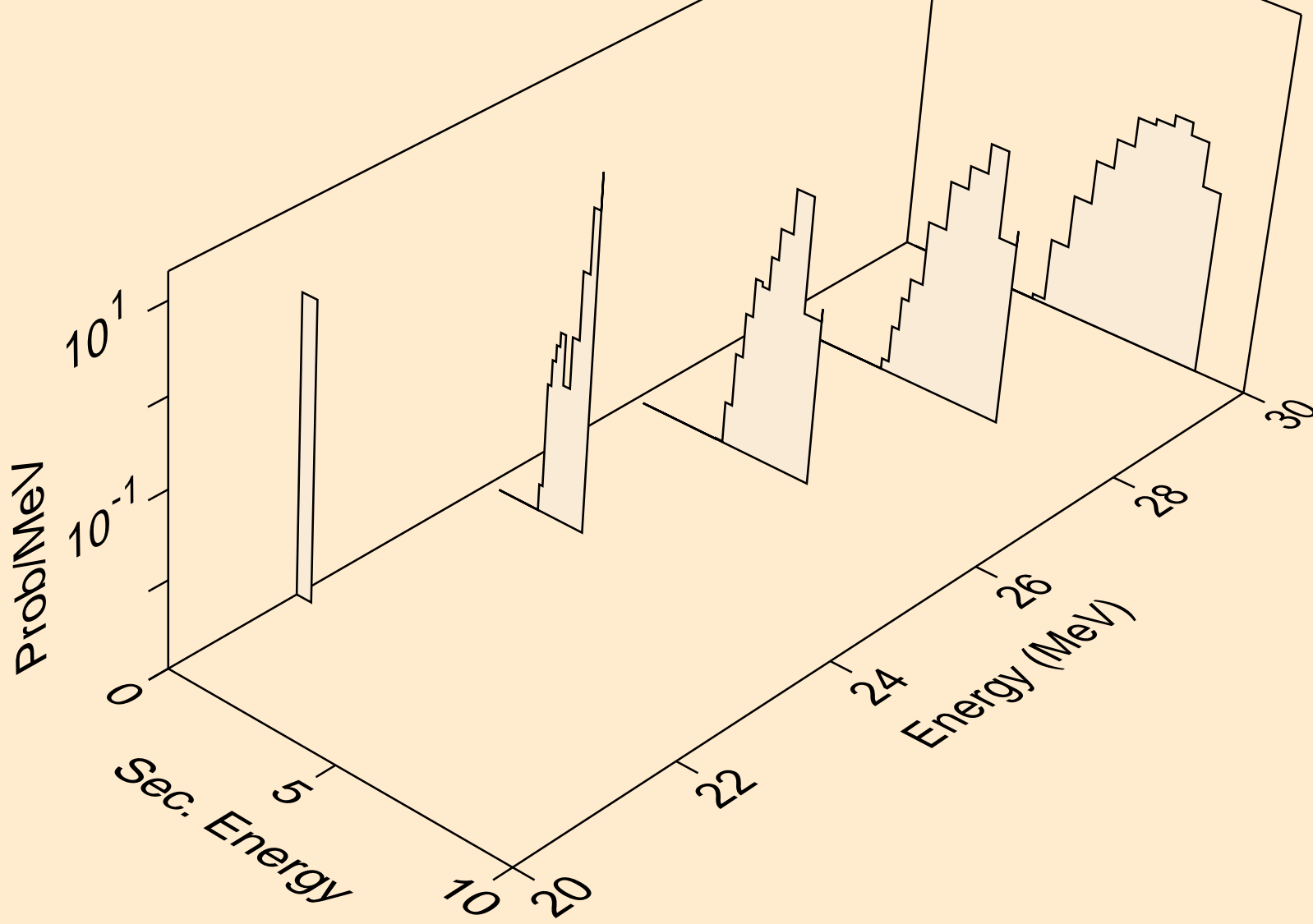
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,pt)



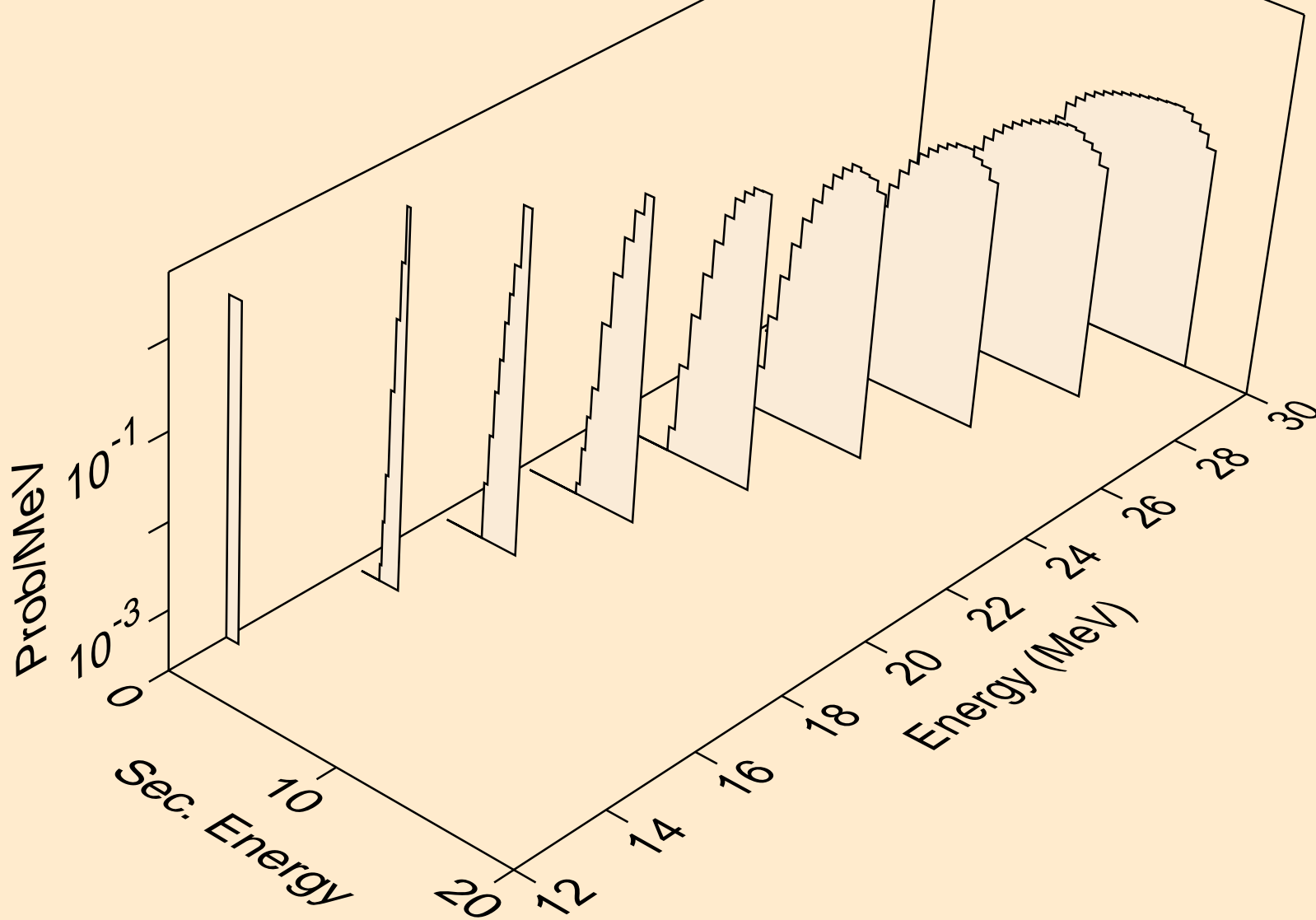
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,x)



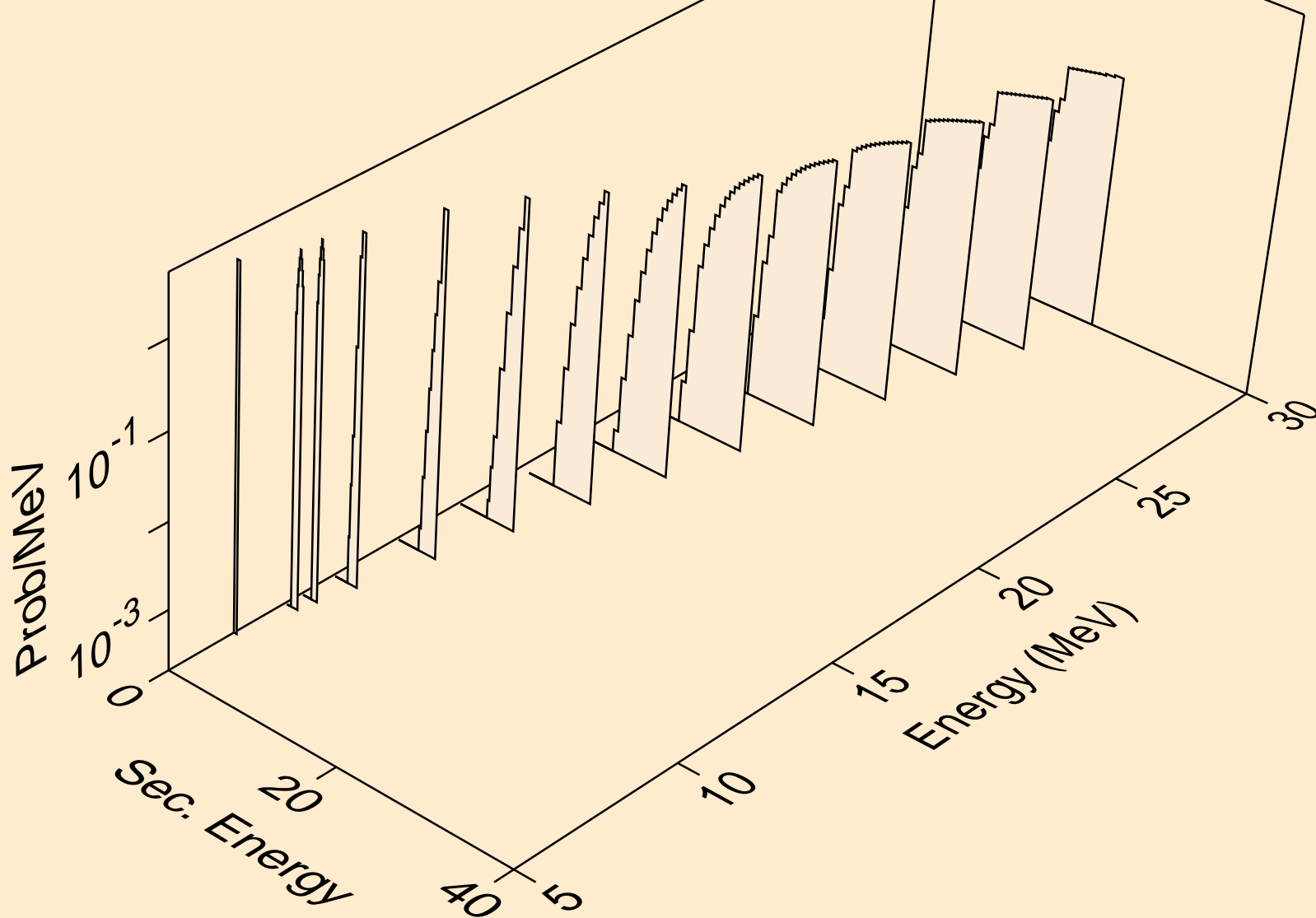
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,2nd)



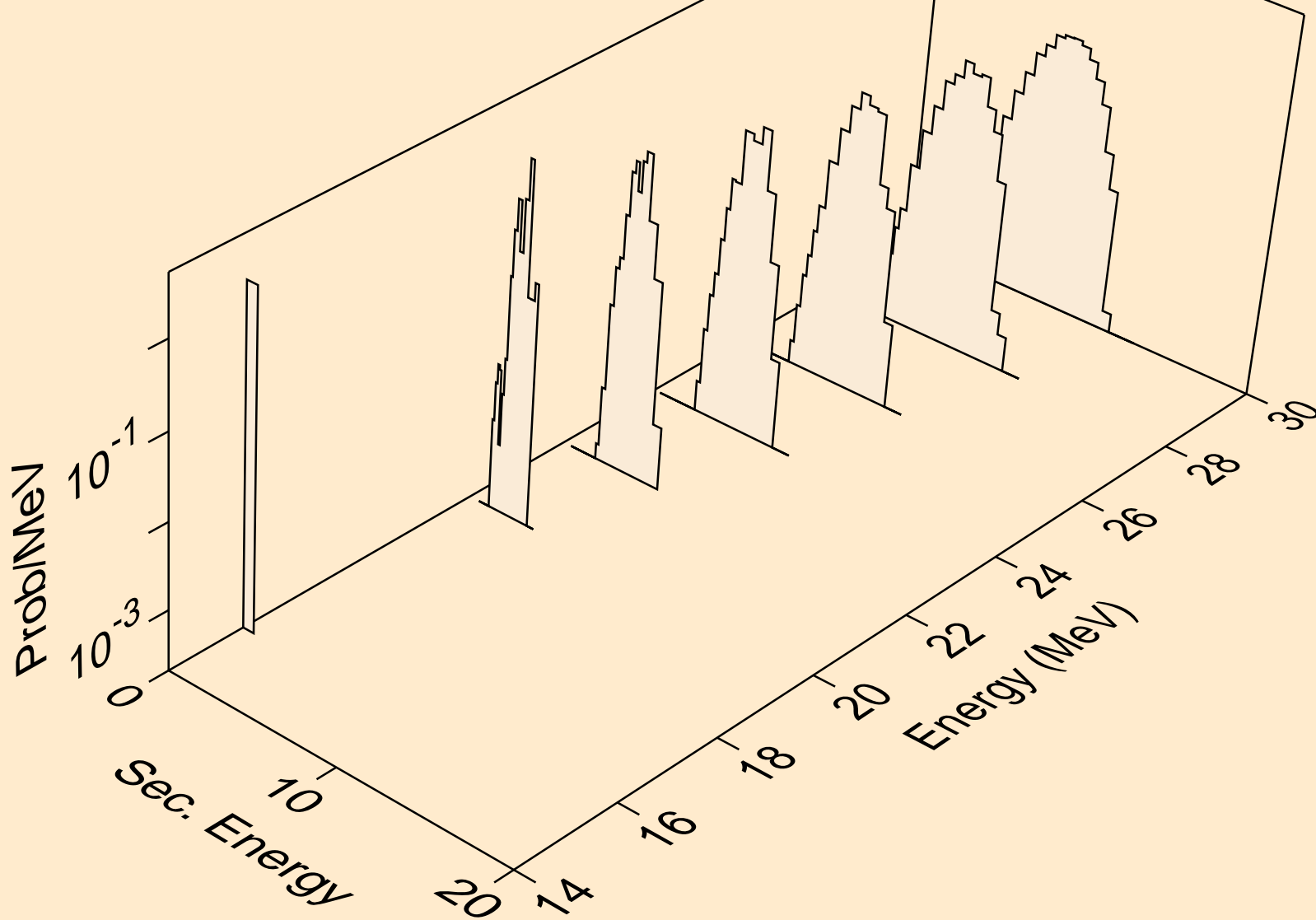
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,n\*)d



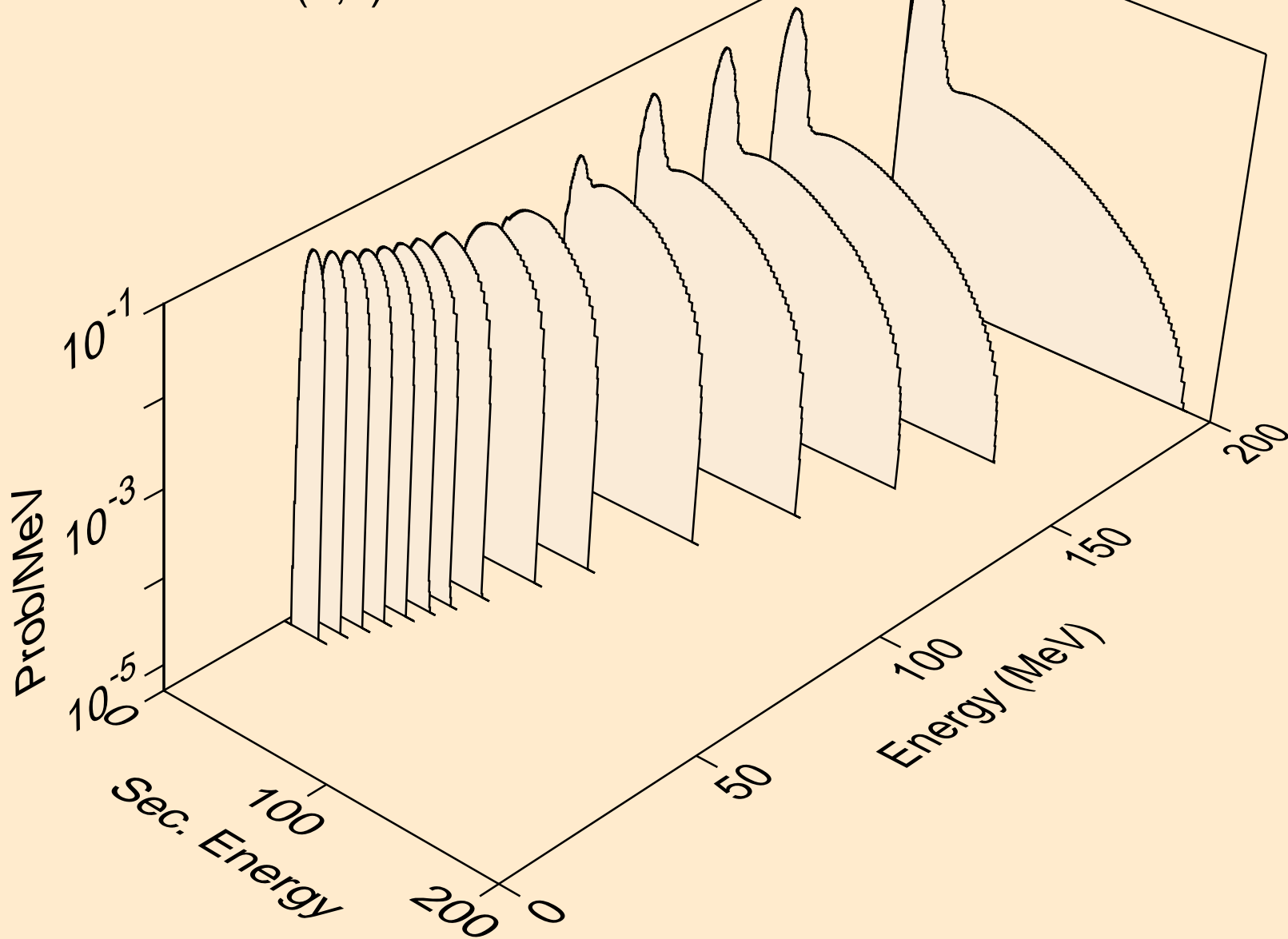
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,d)



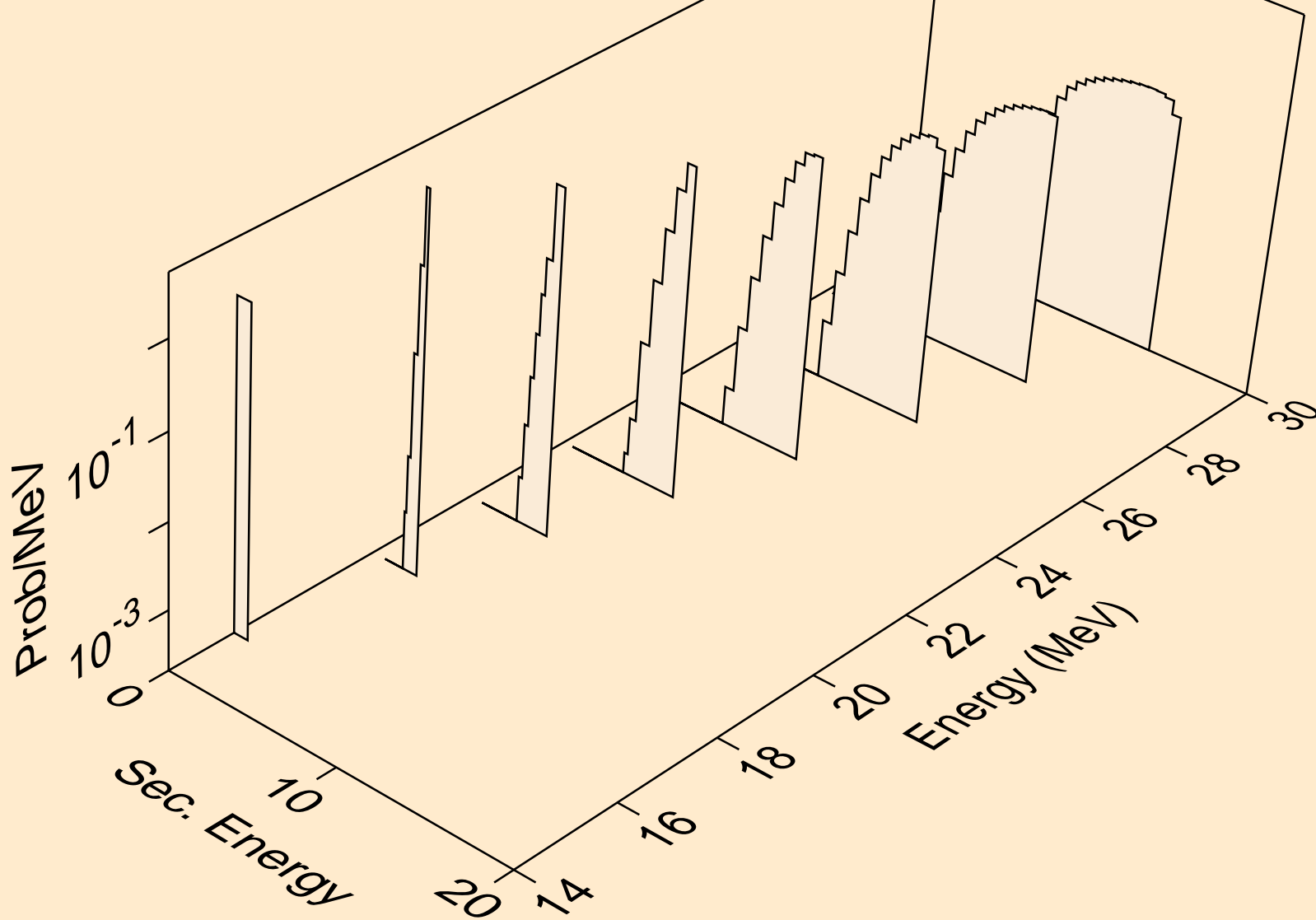
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,pd)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
tritons from (n,x)

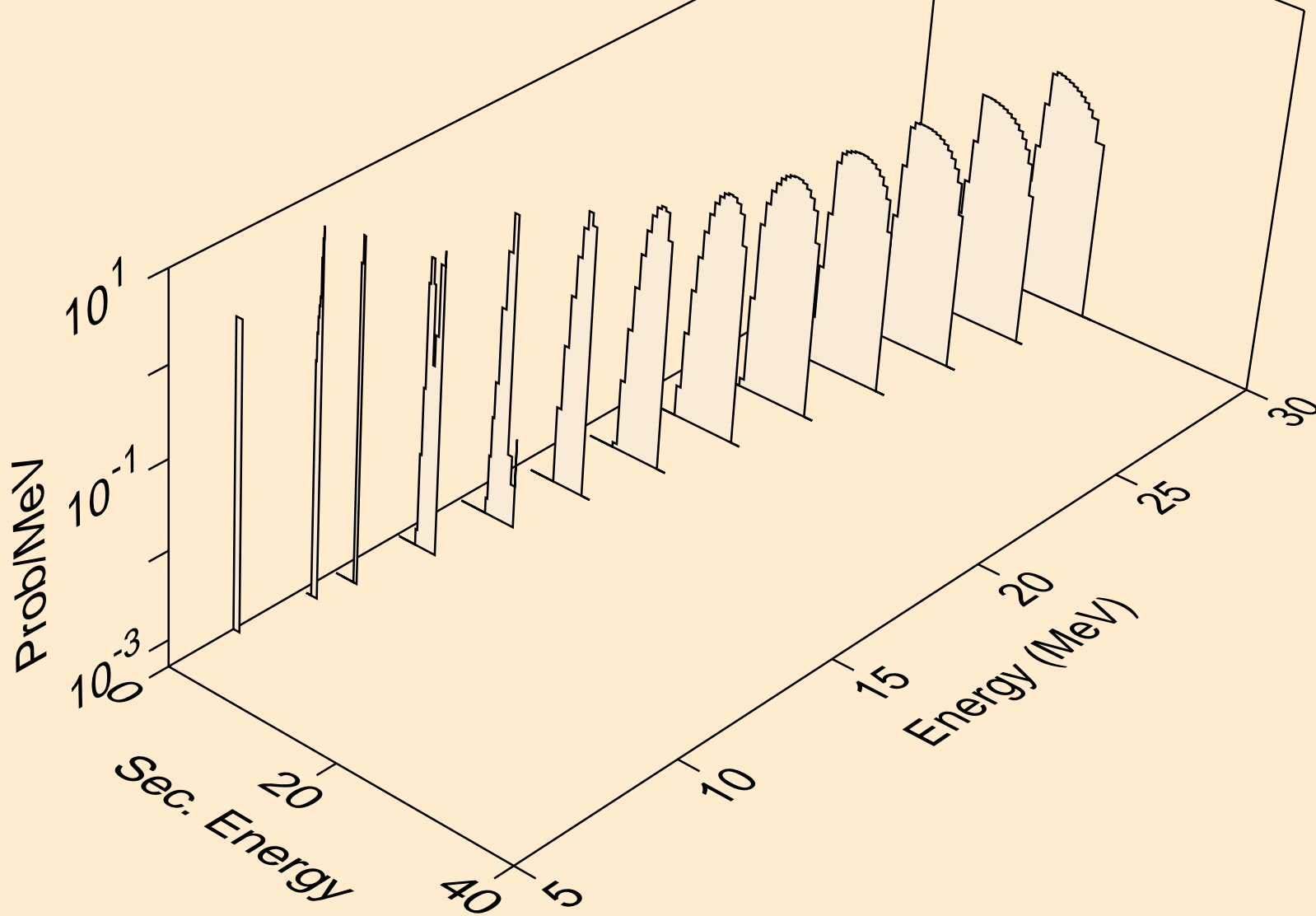


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
tritons from (n,n\*)t

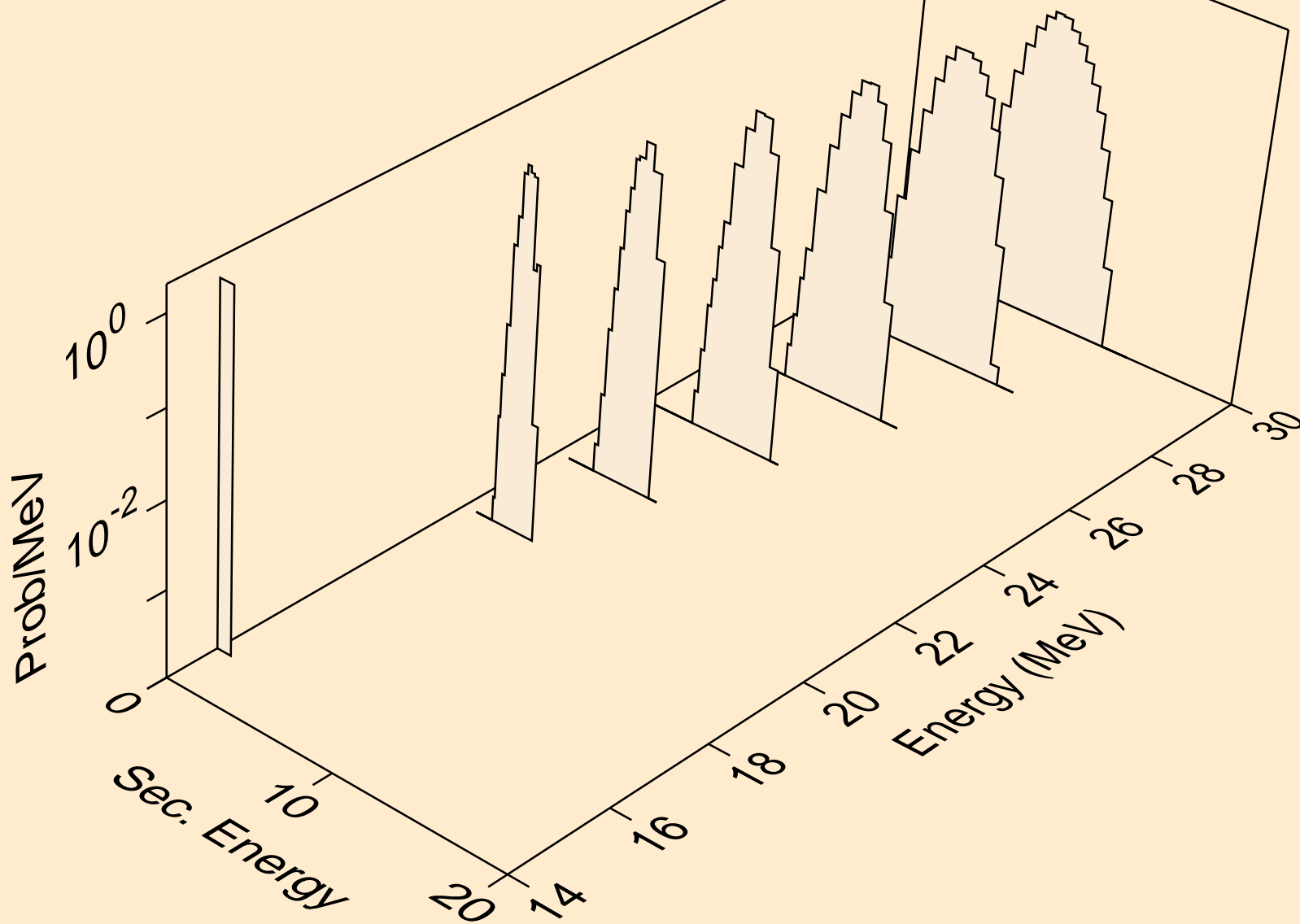




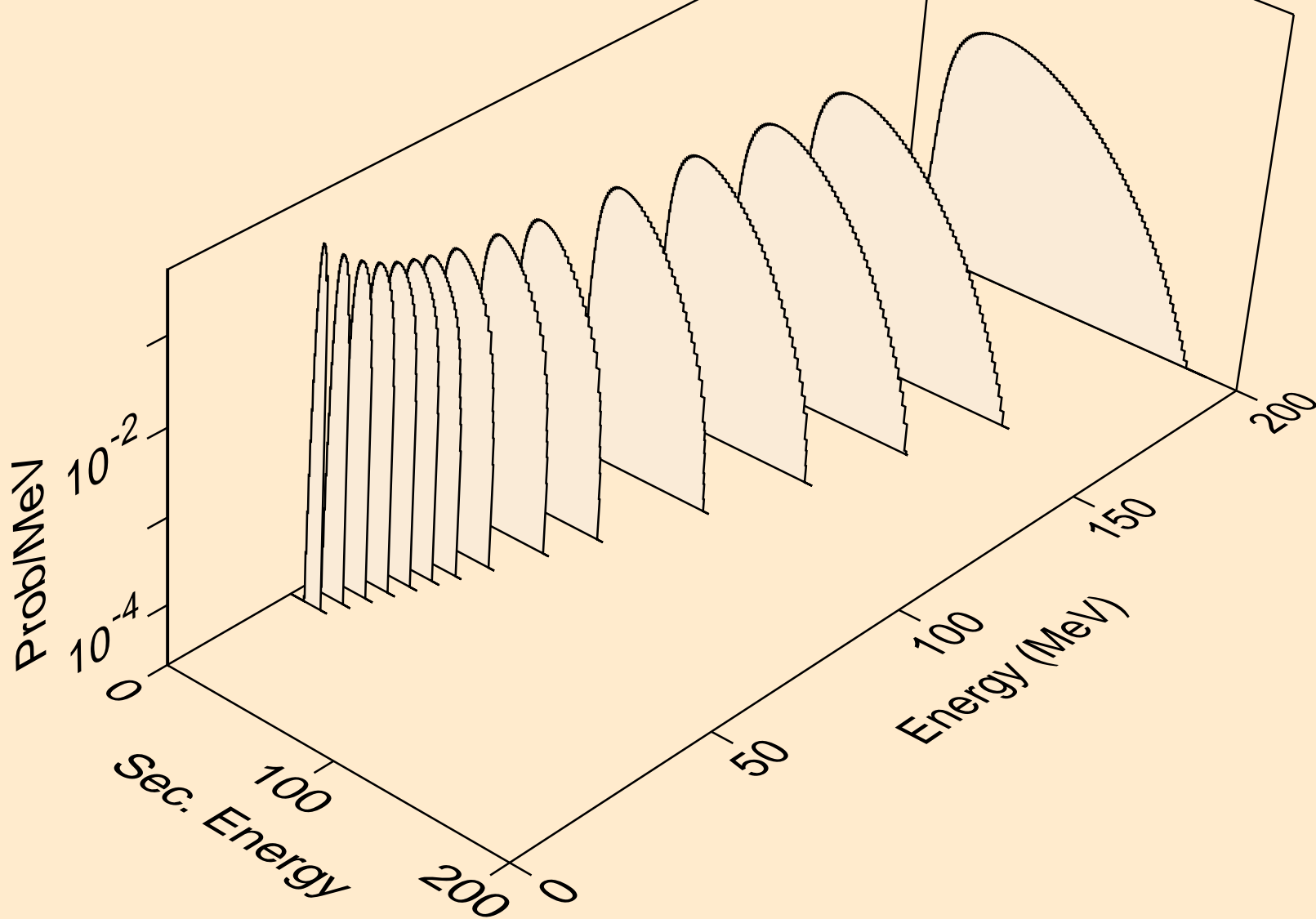
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
tritons from (n,t)



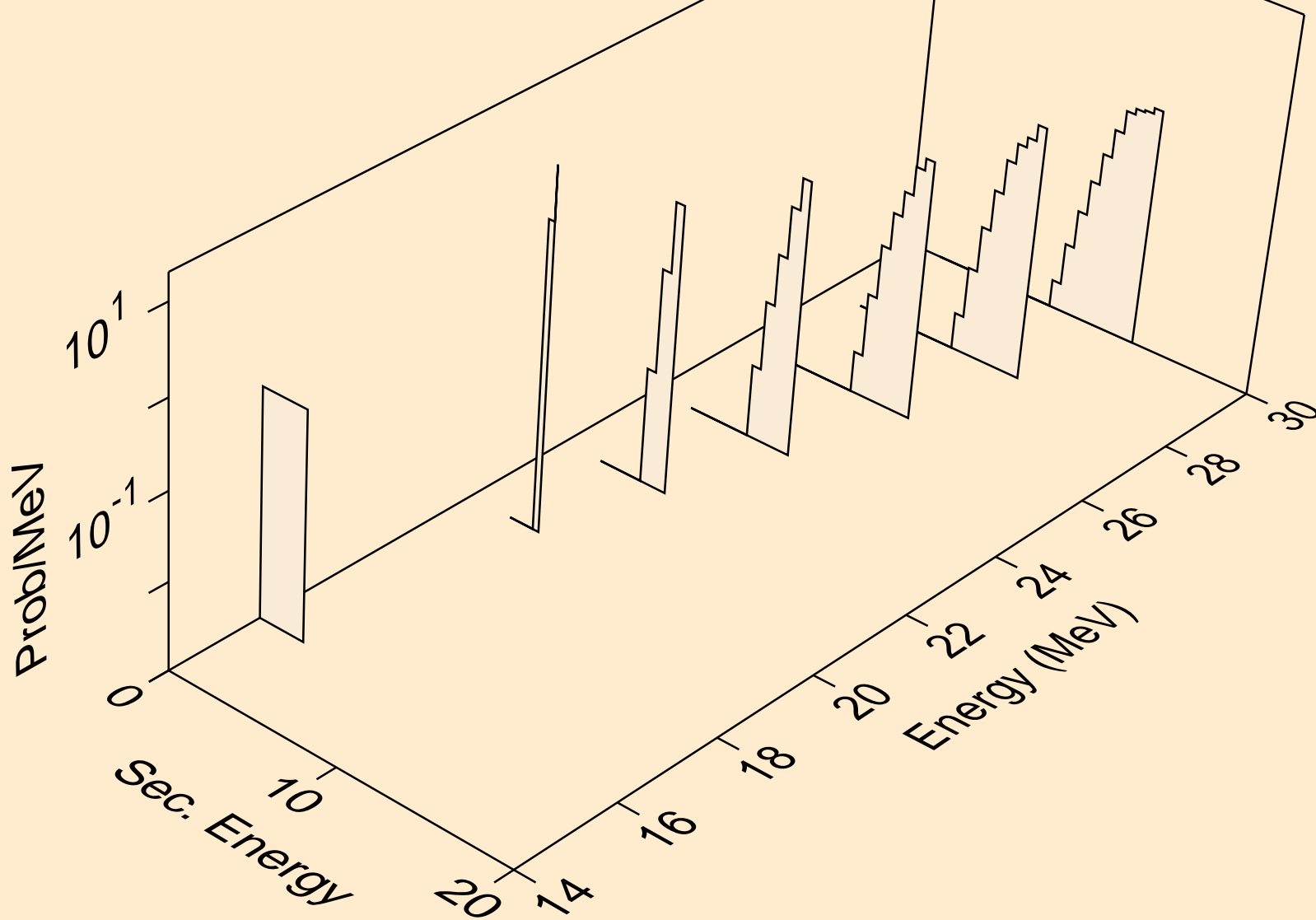
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
tritons from (n,pt)



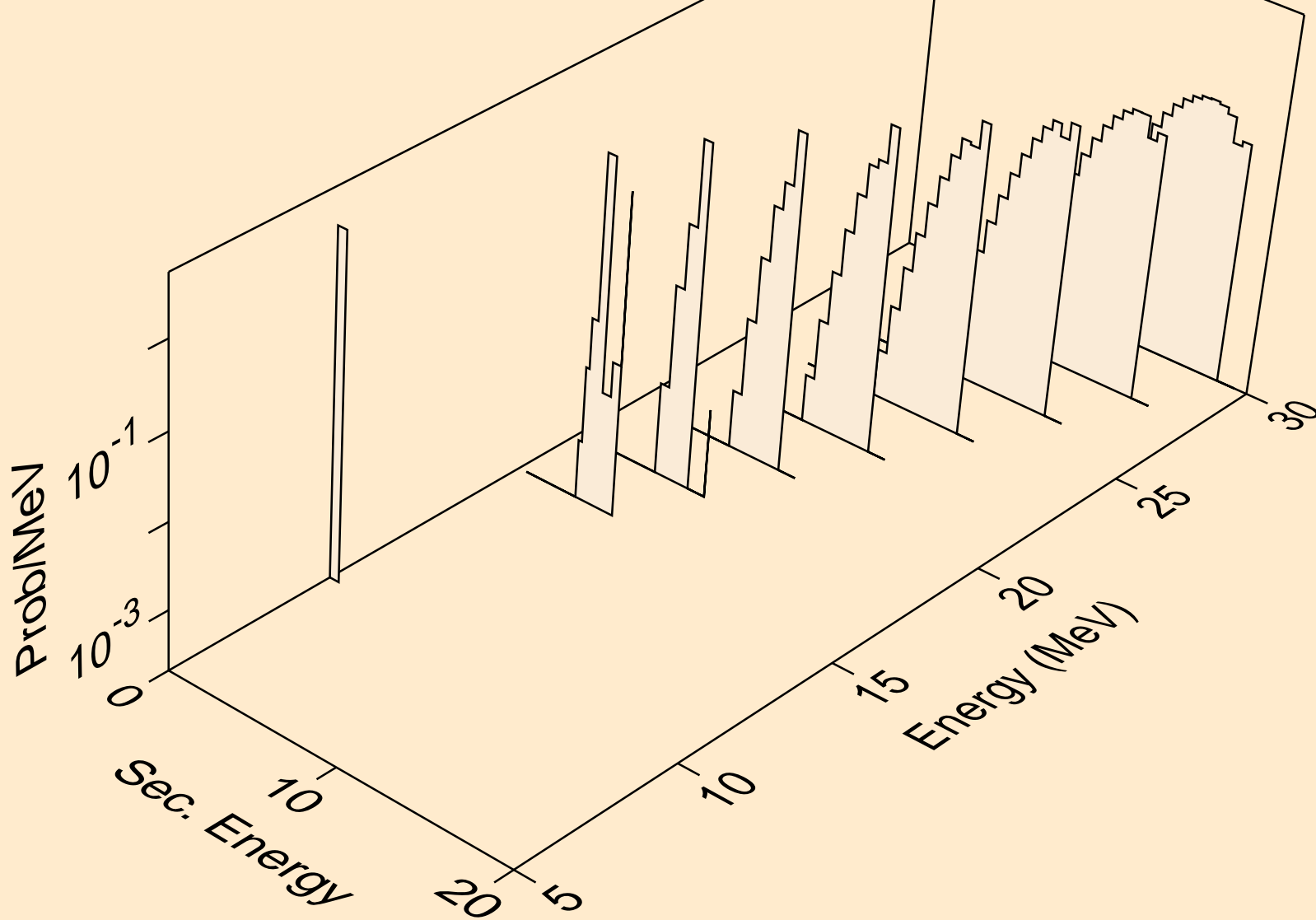
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
he3s from (n,x)



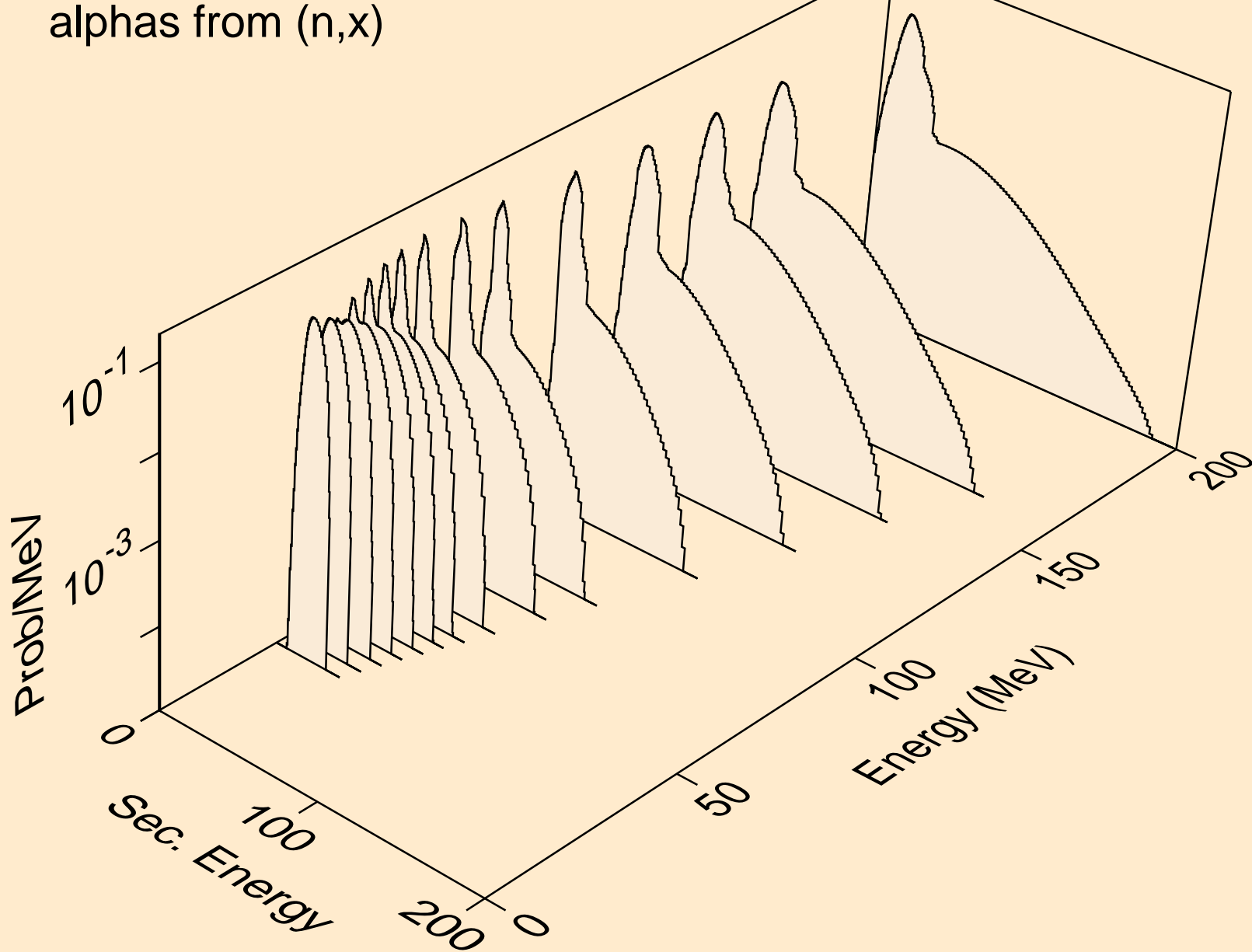
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
he3s from (n,n\*)he3



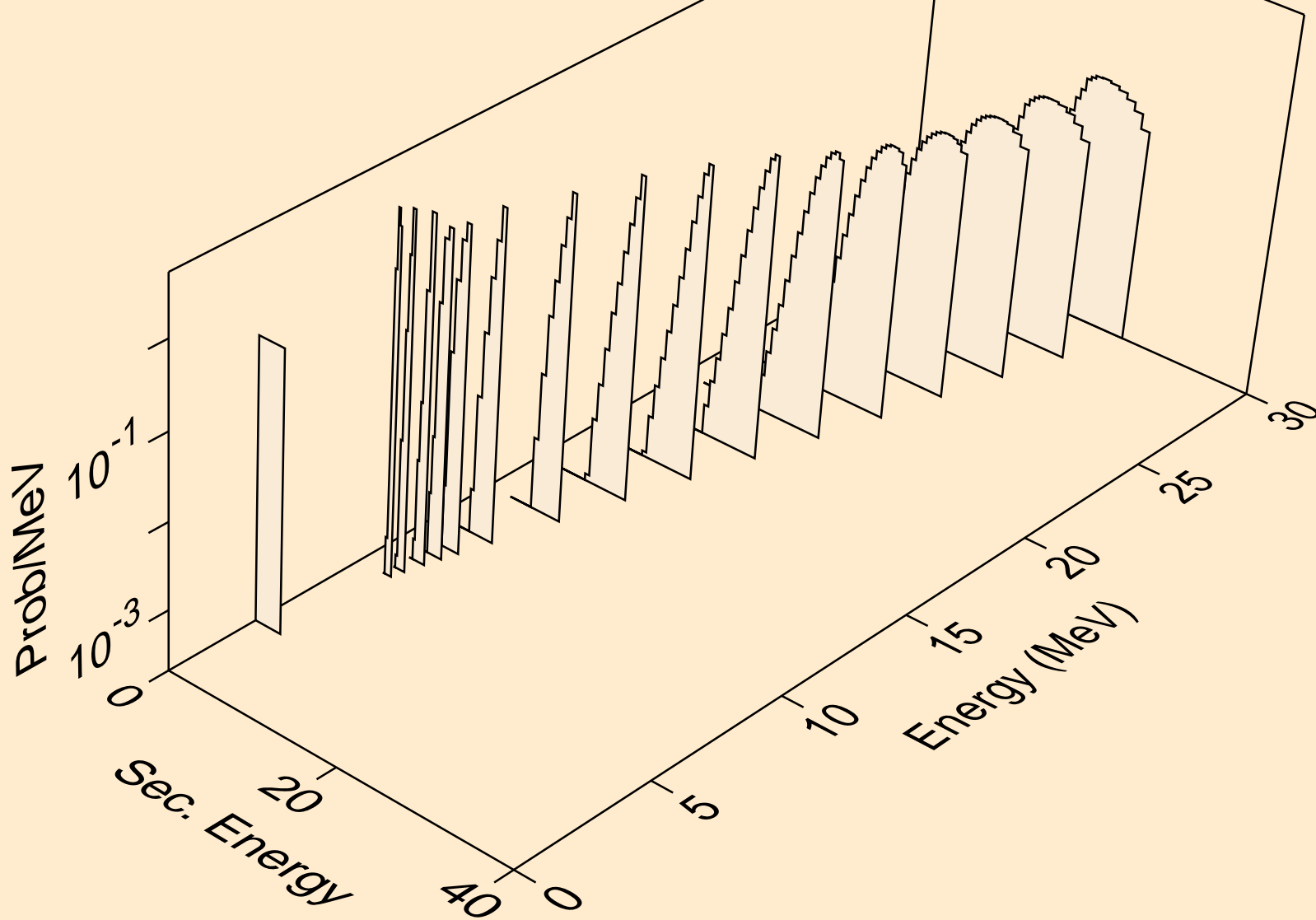
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
he3s from (n,he3)



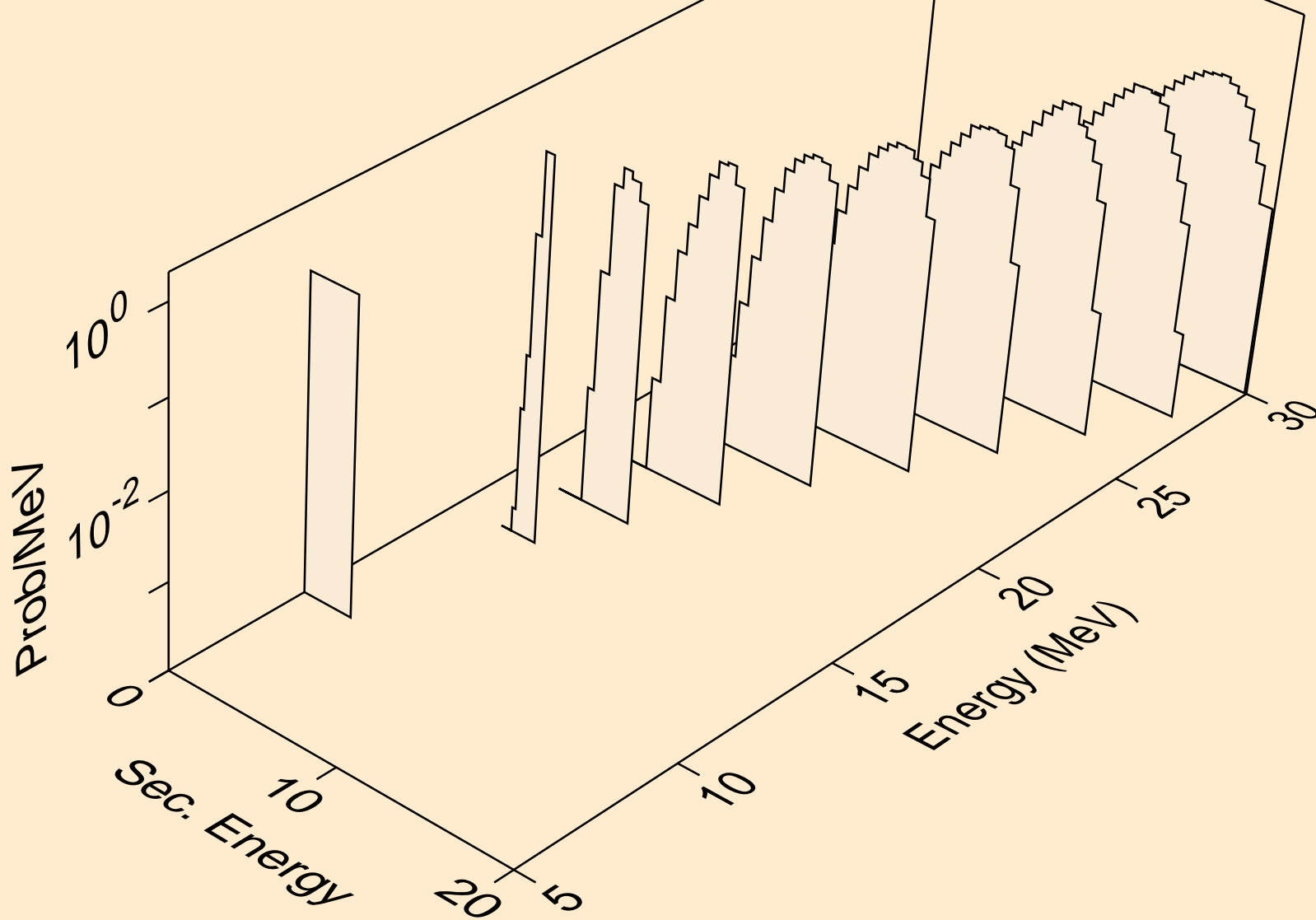
MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,x)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,n\*)a

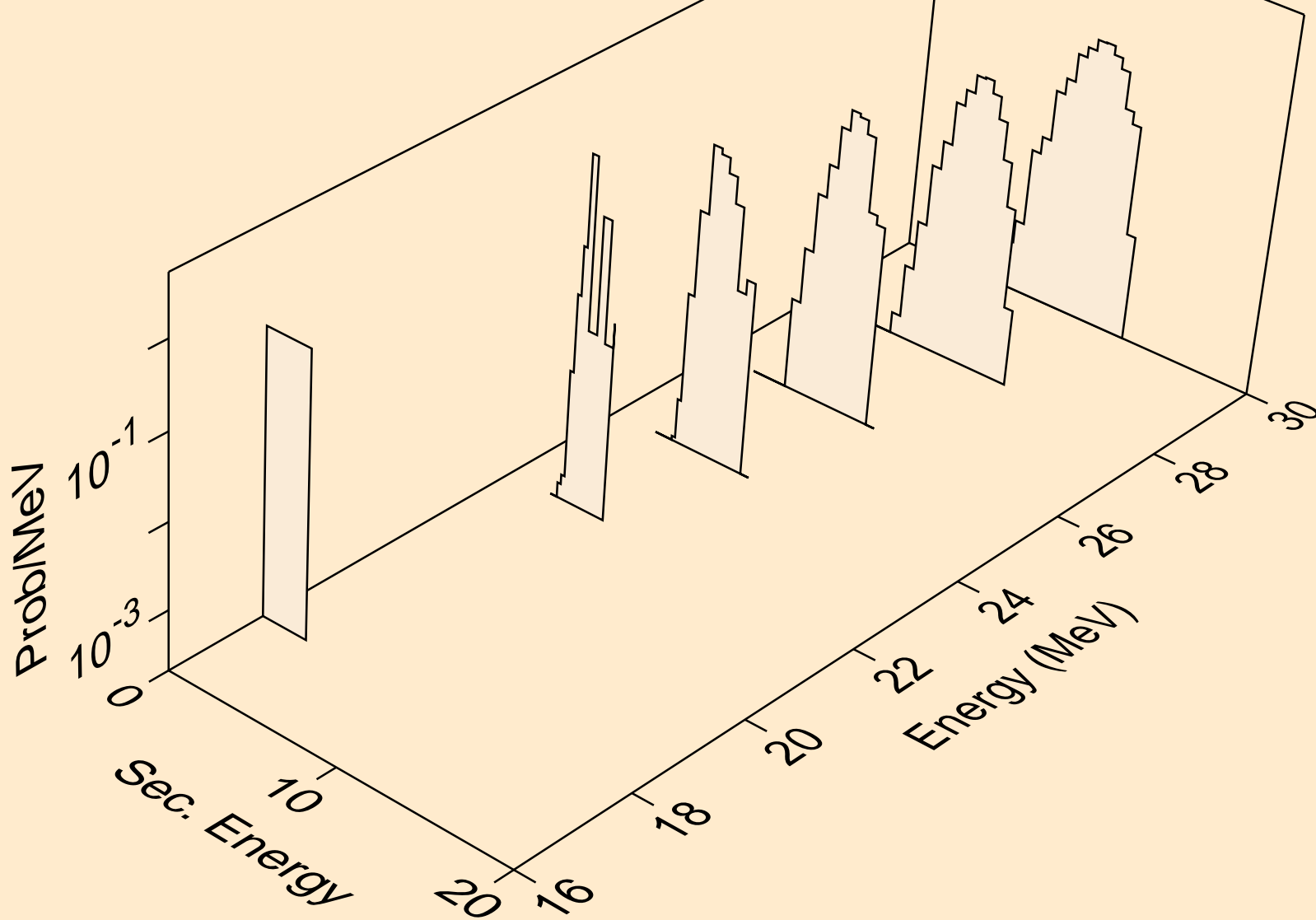


MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,2n)a

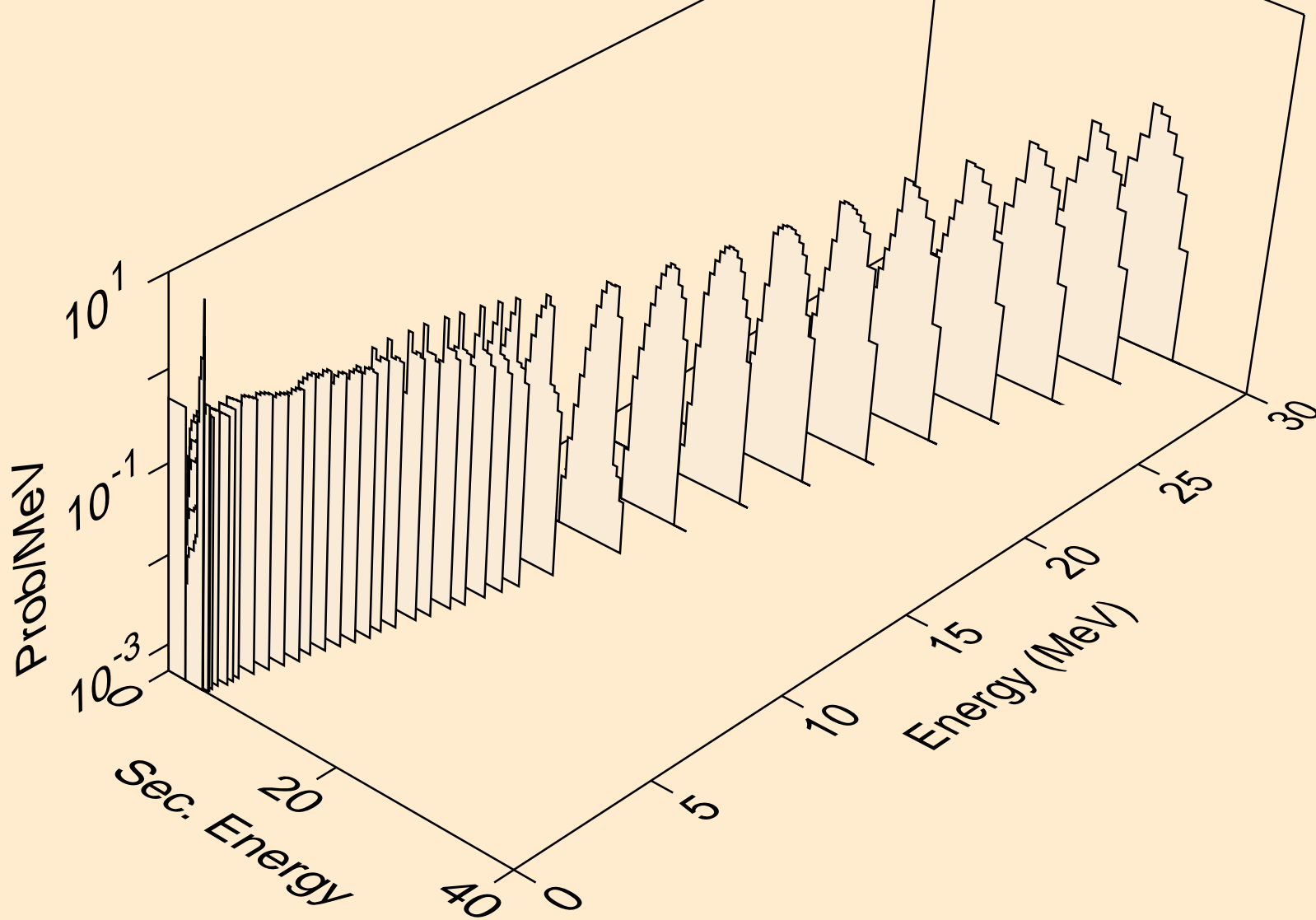




MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,3n)a



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,a)



MAT=5459 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,pa)

