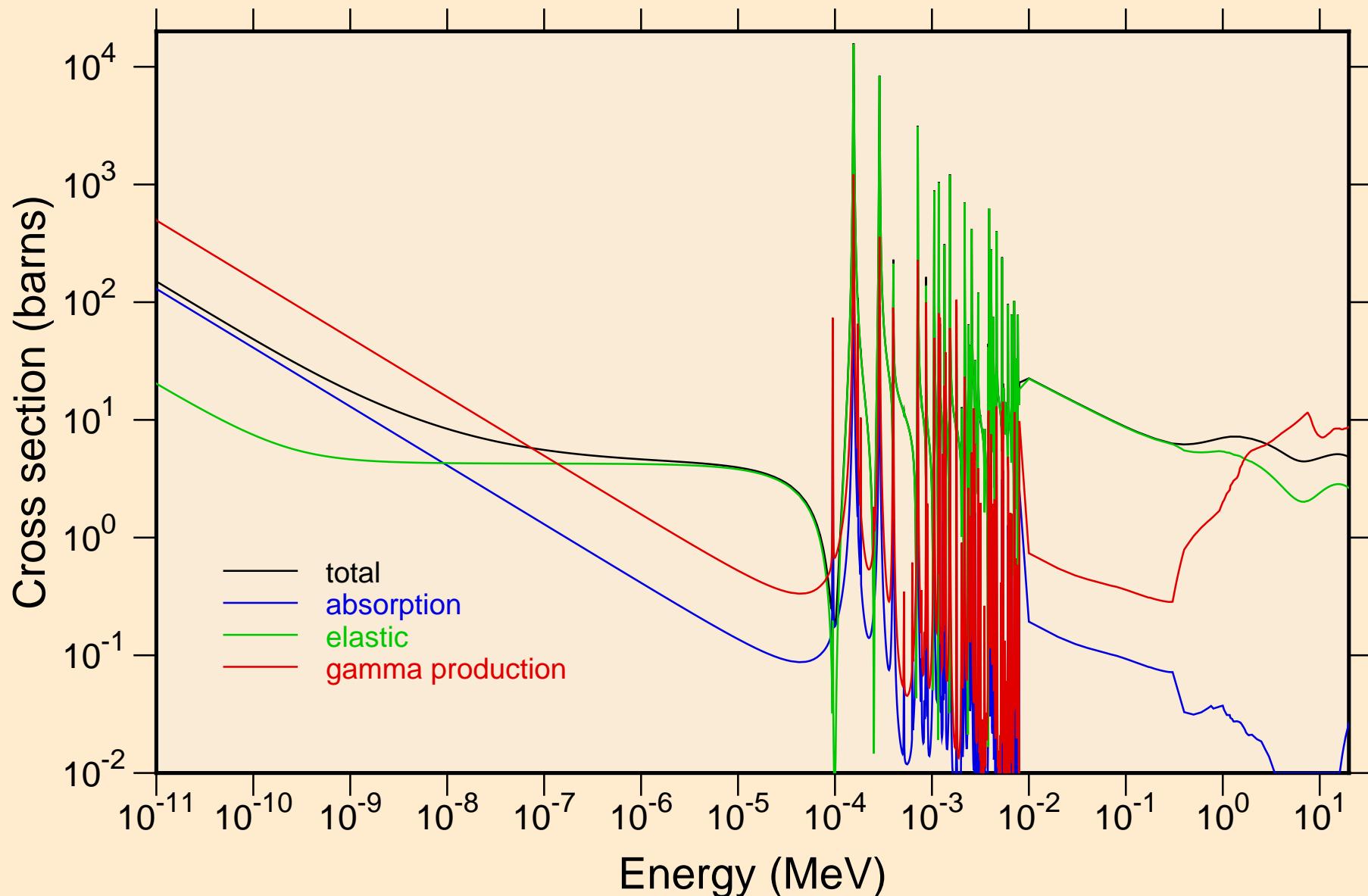
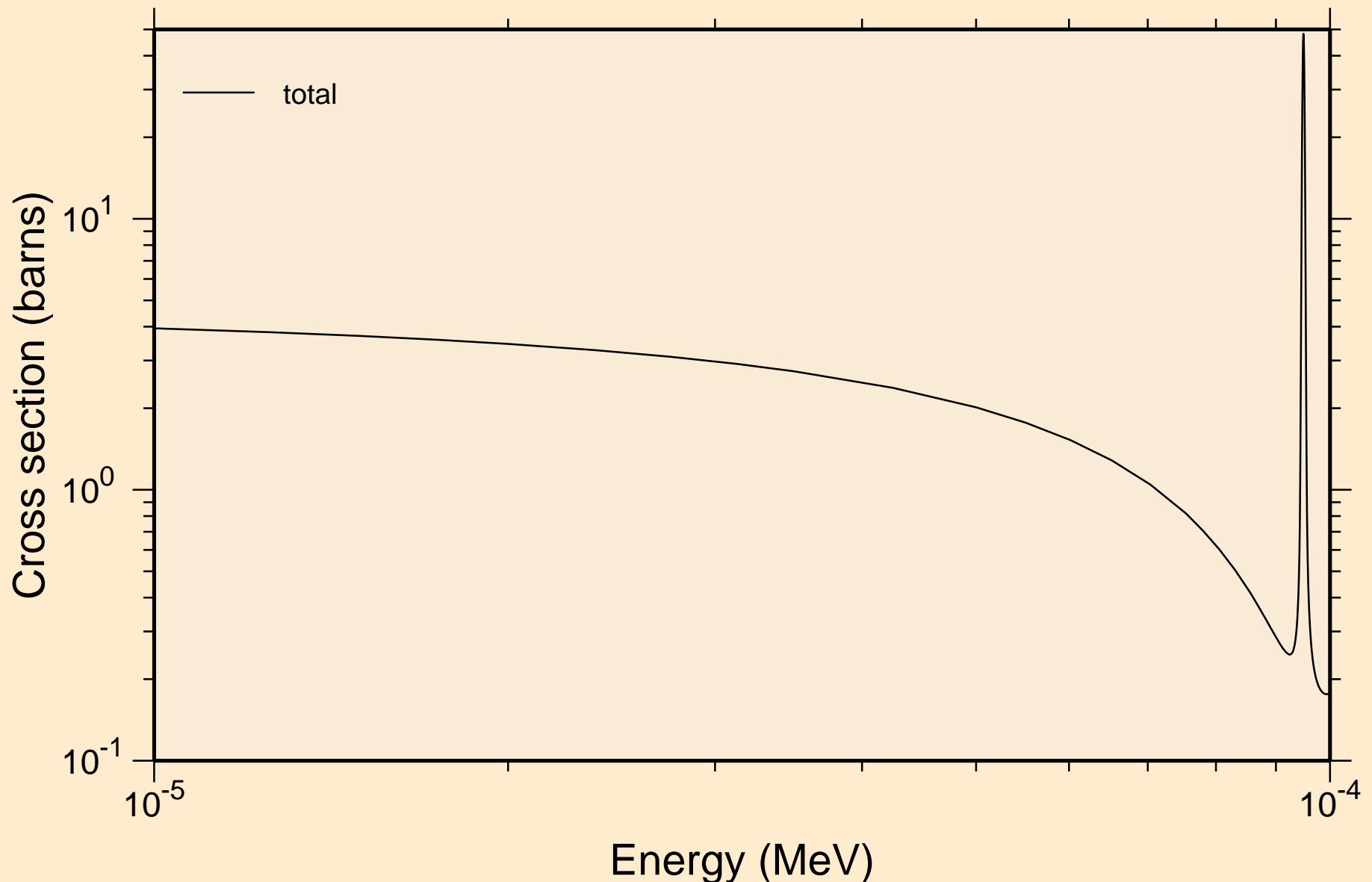


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

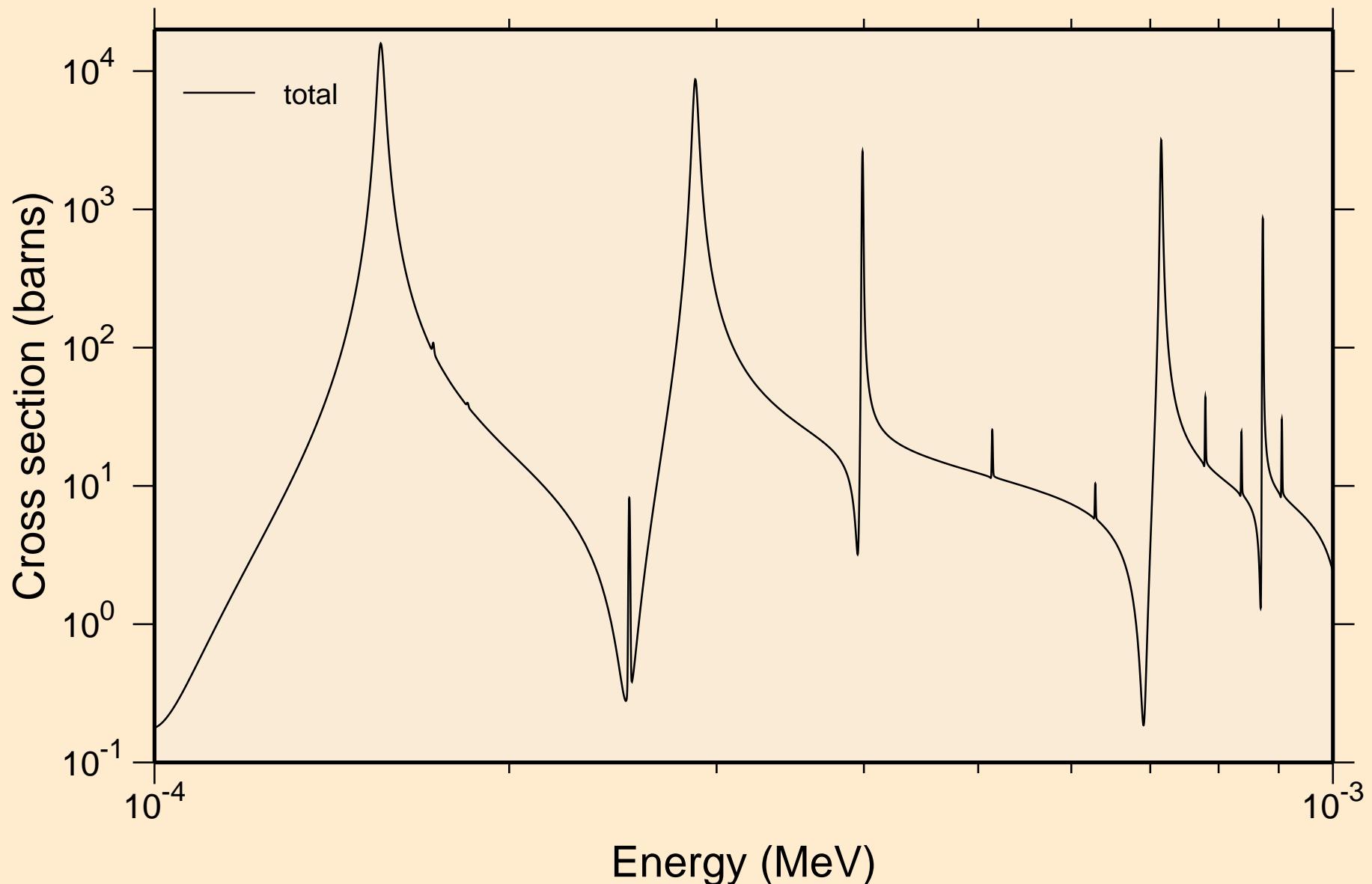
## Principal cross sections



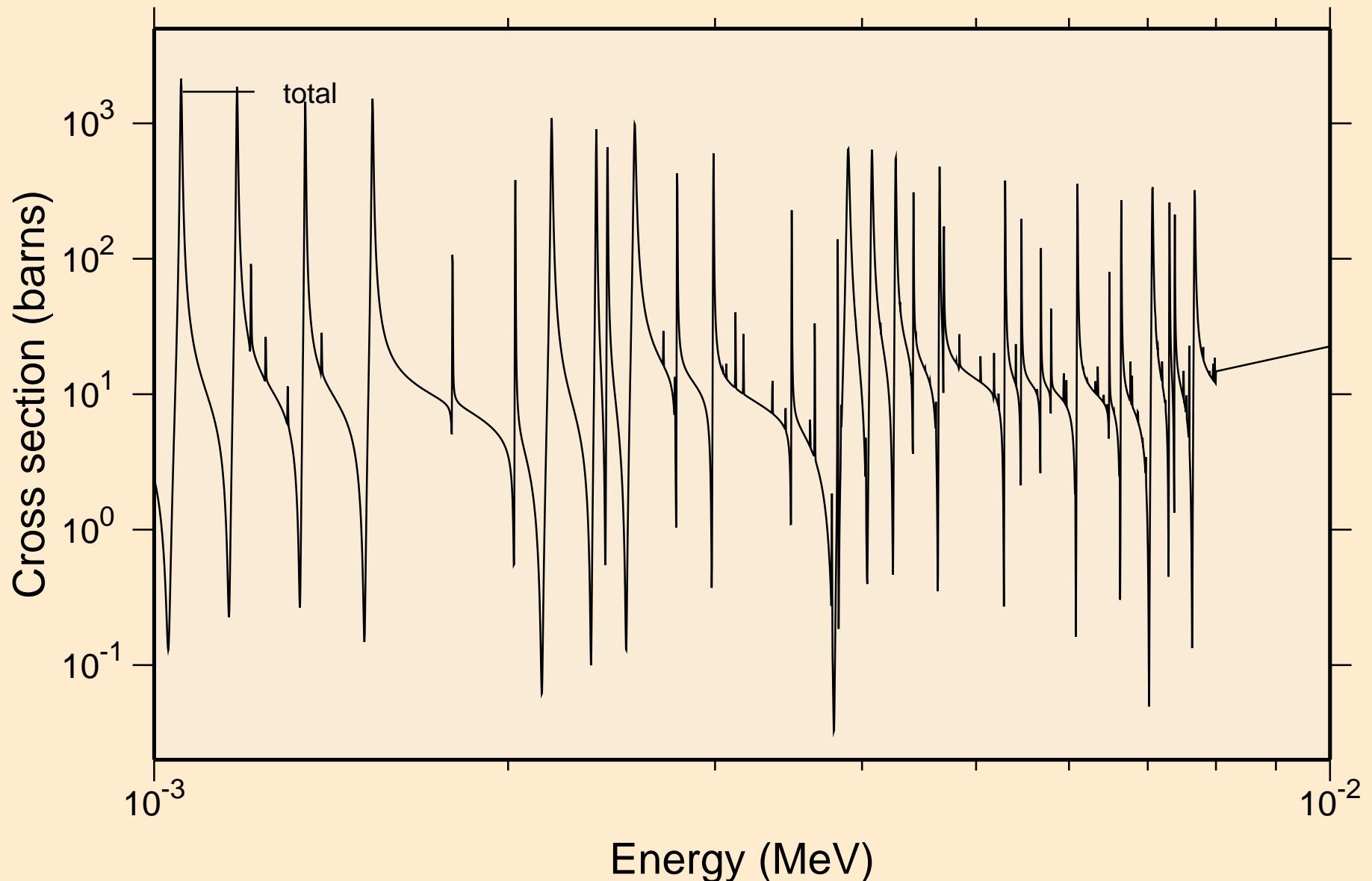
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



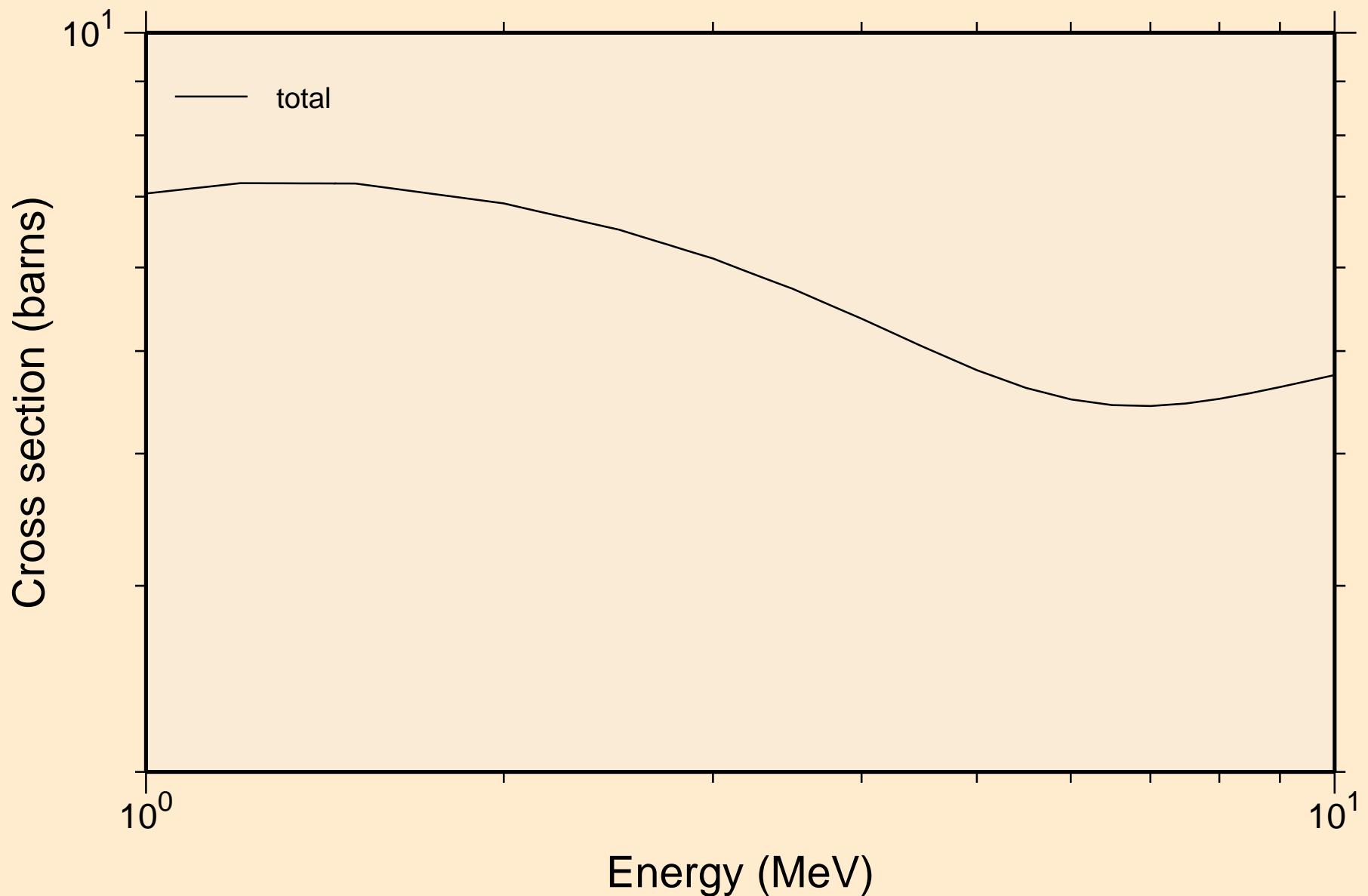
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



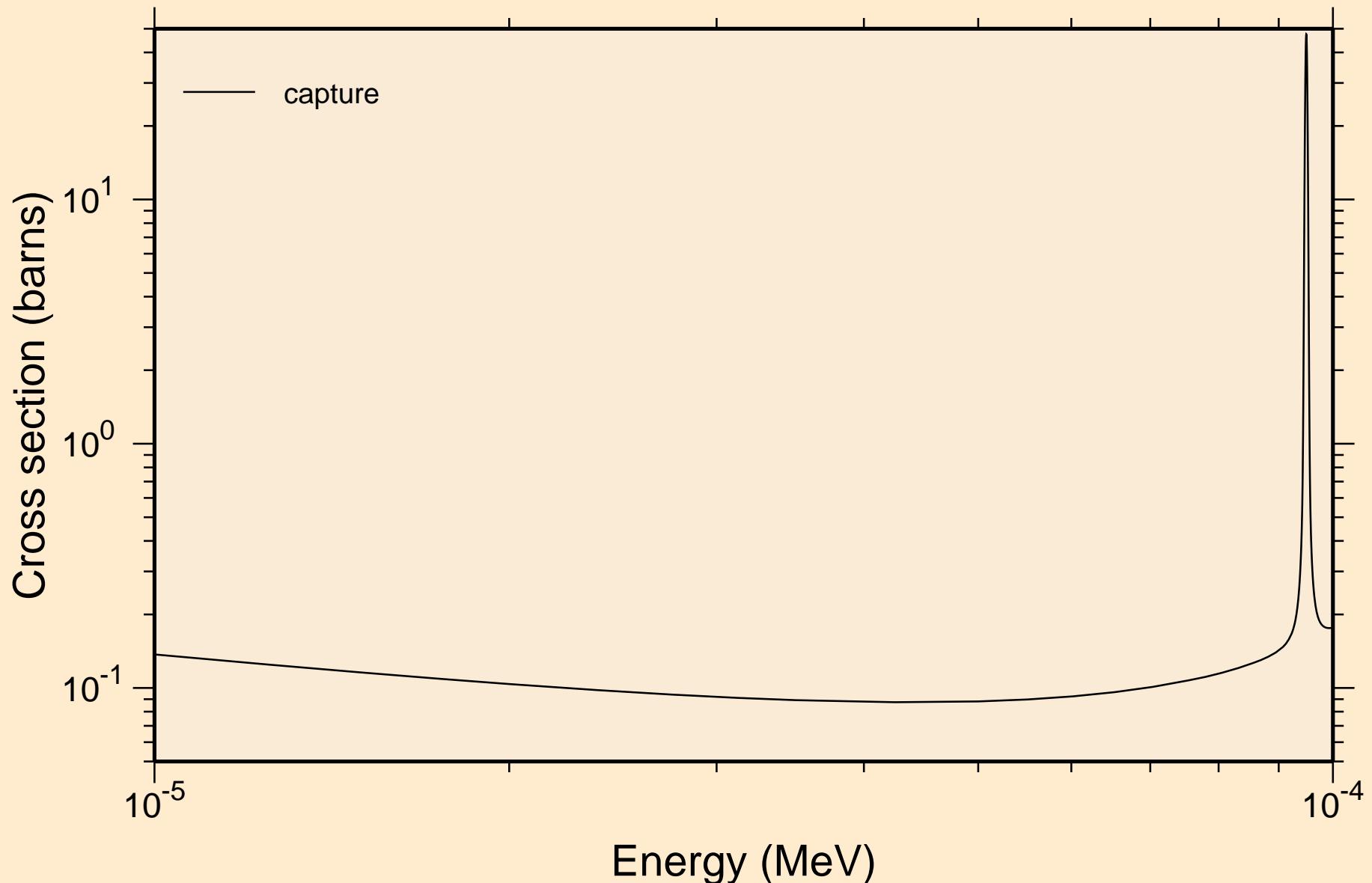
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resonance total cross section



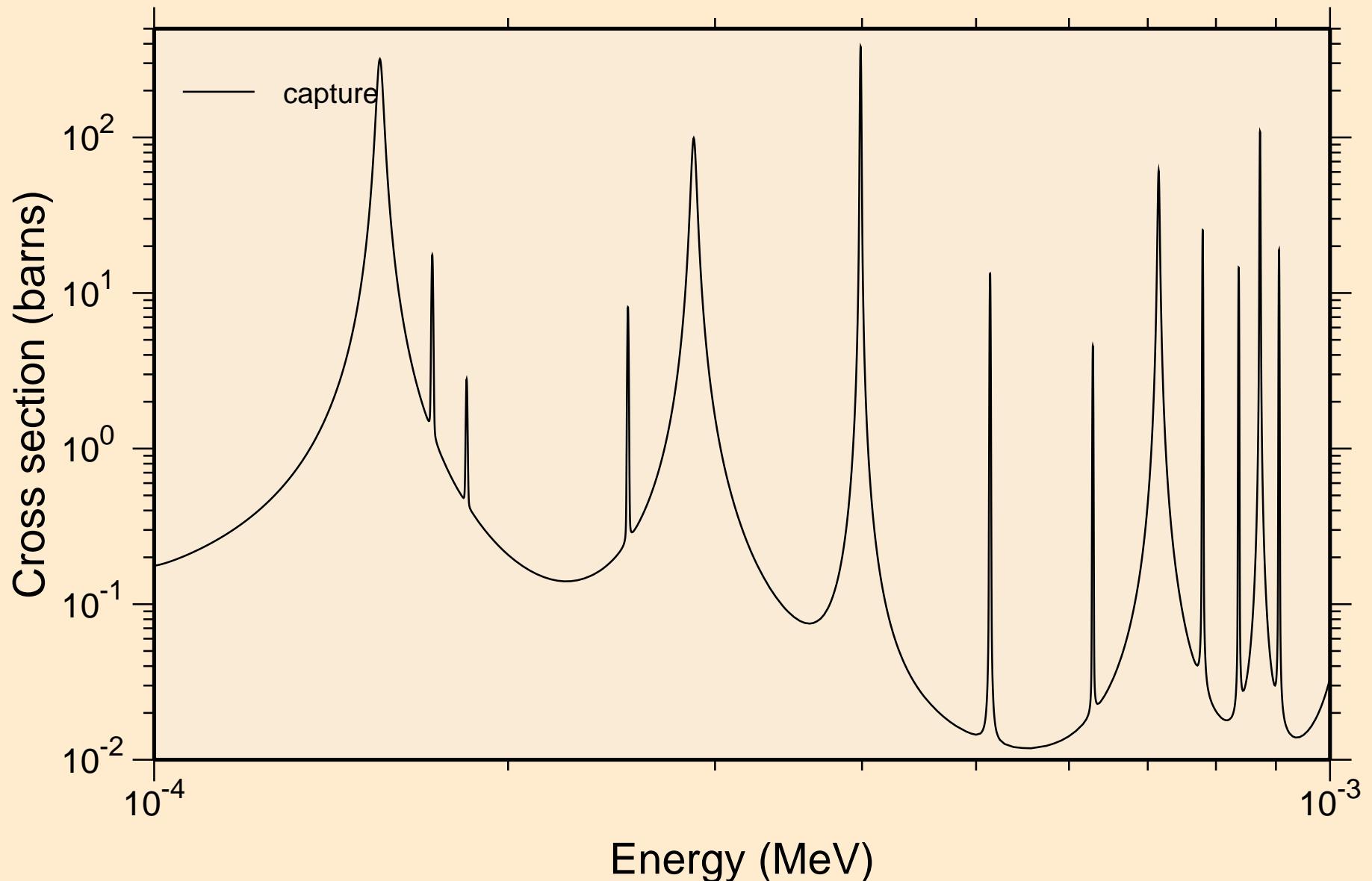
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resonance total cross section



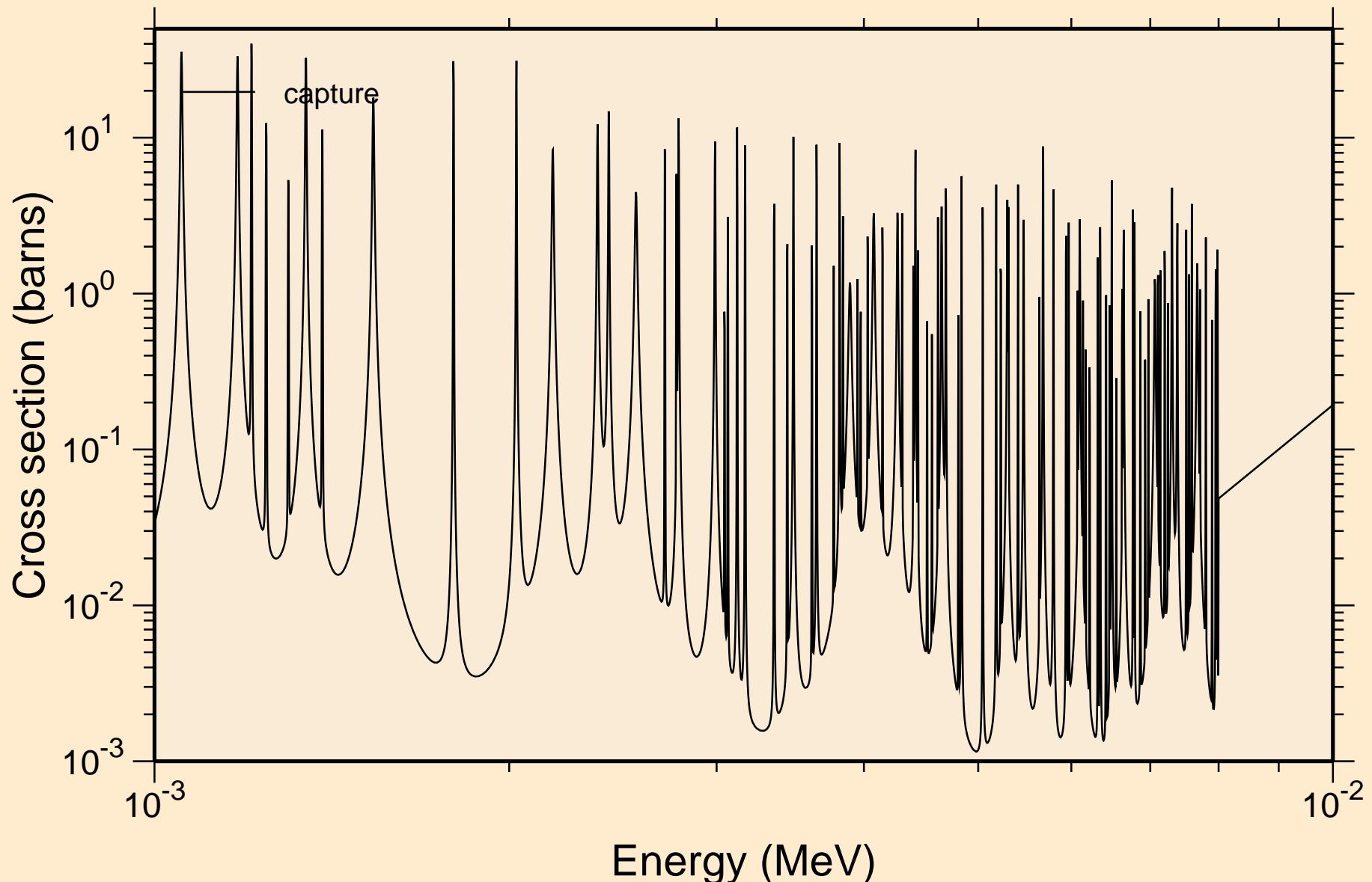
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections



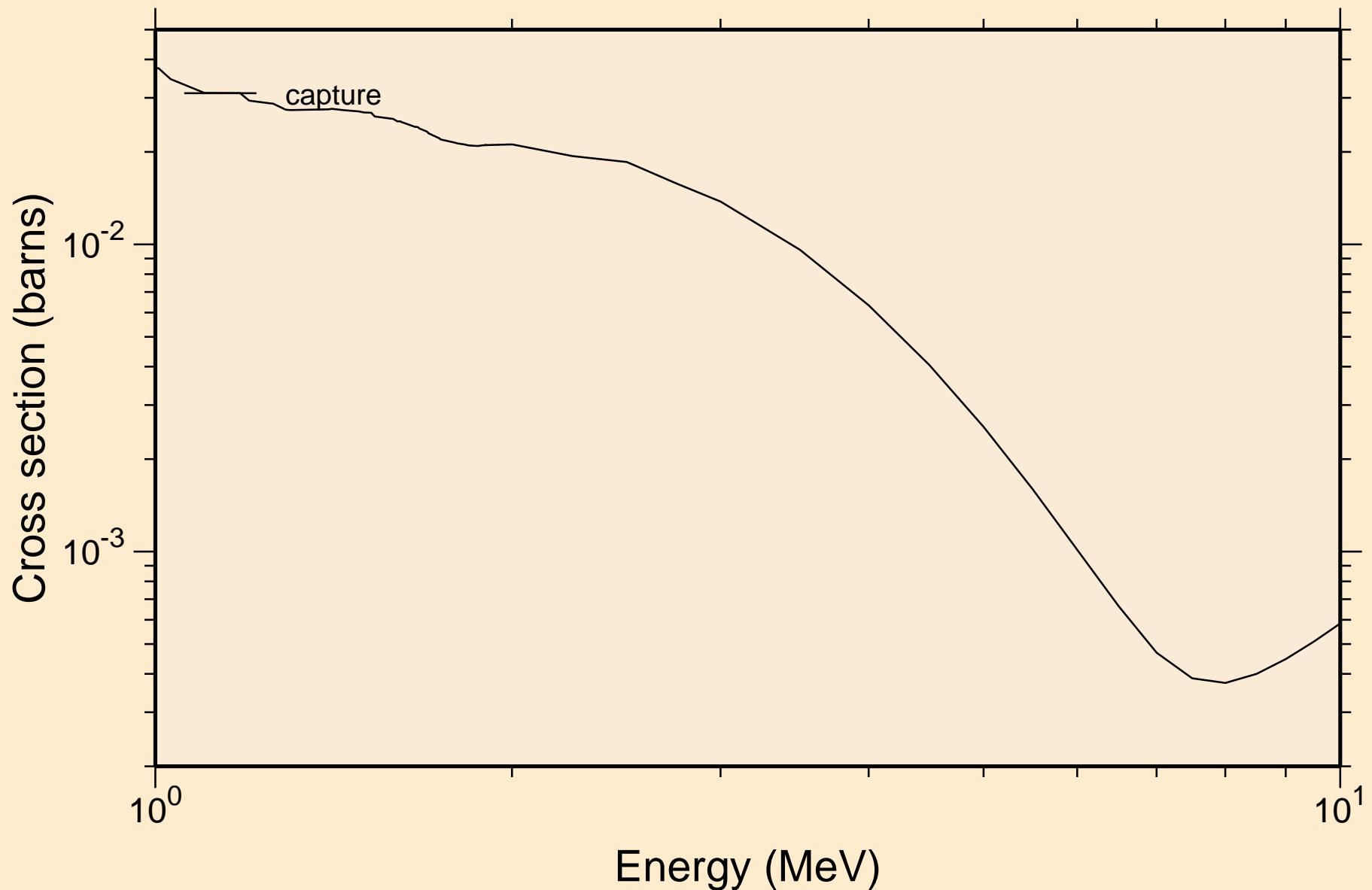
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resonance absorption cross sections



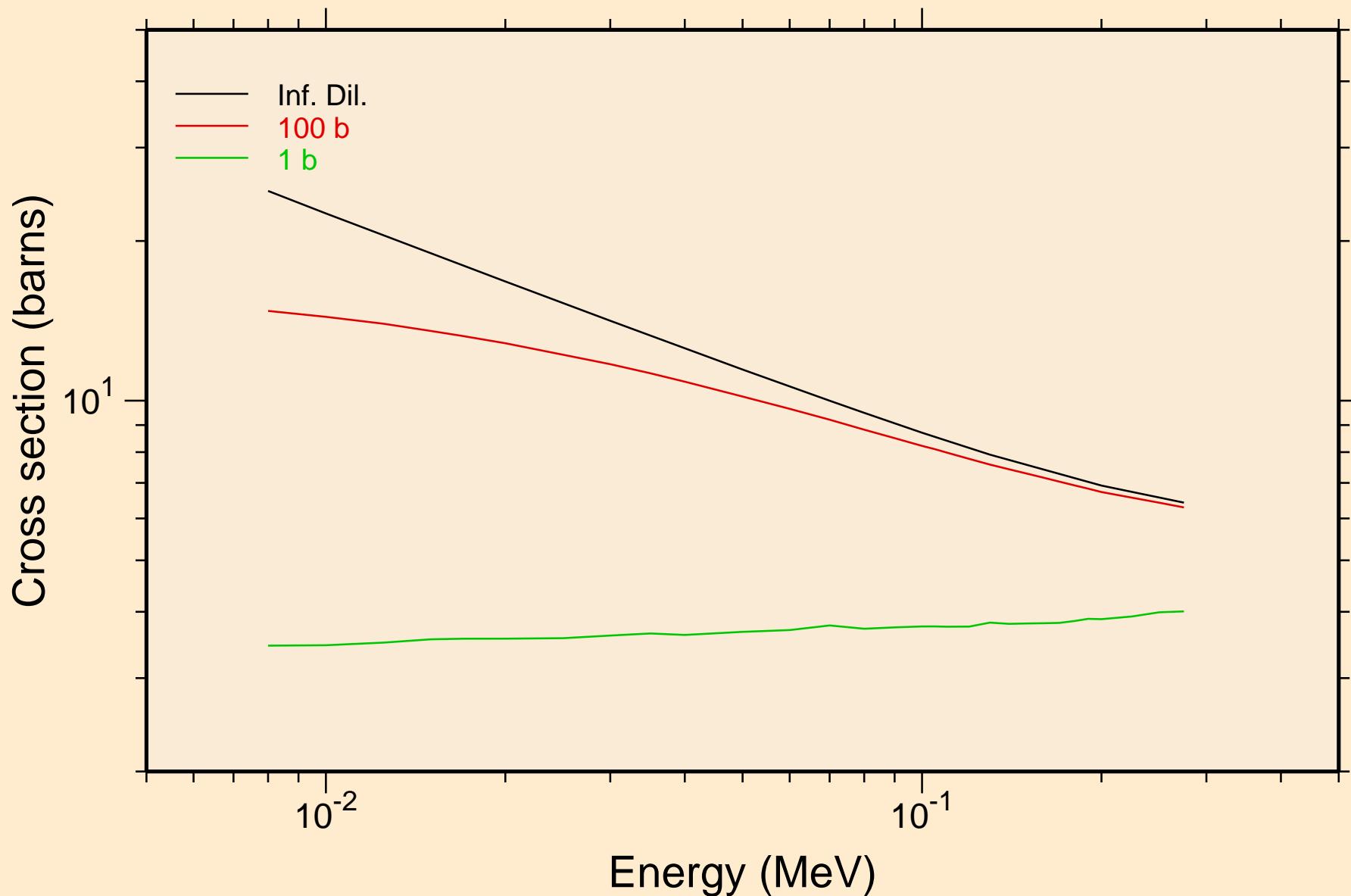
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resonance absorption cross sections



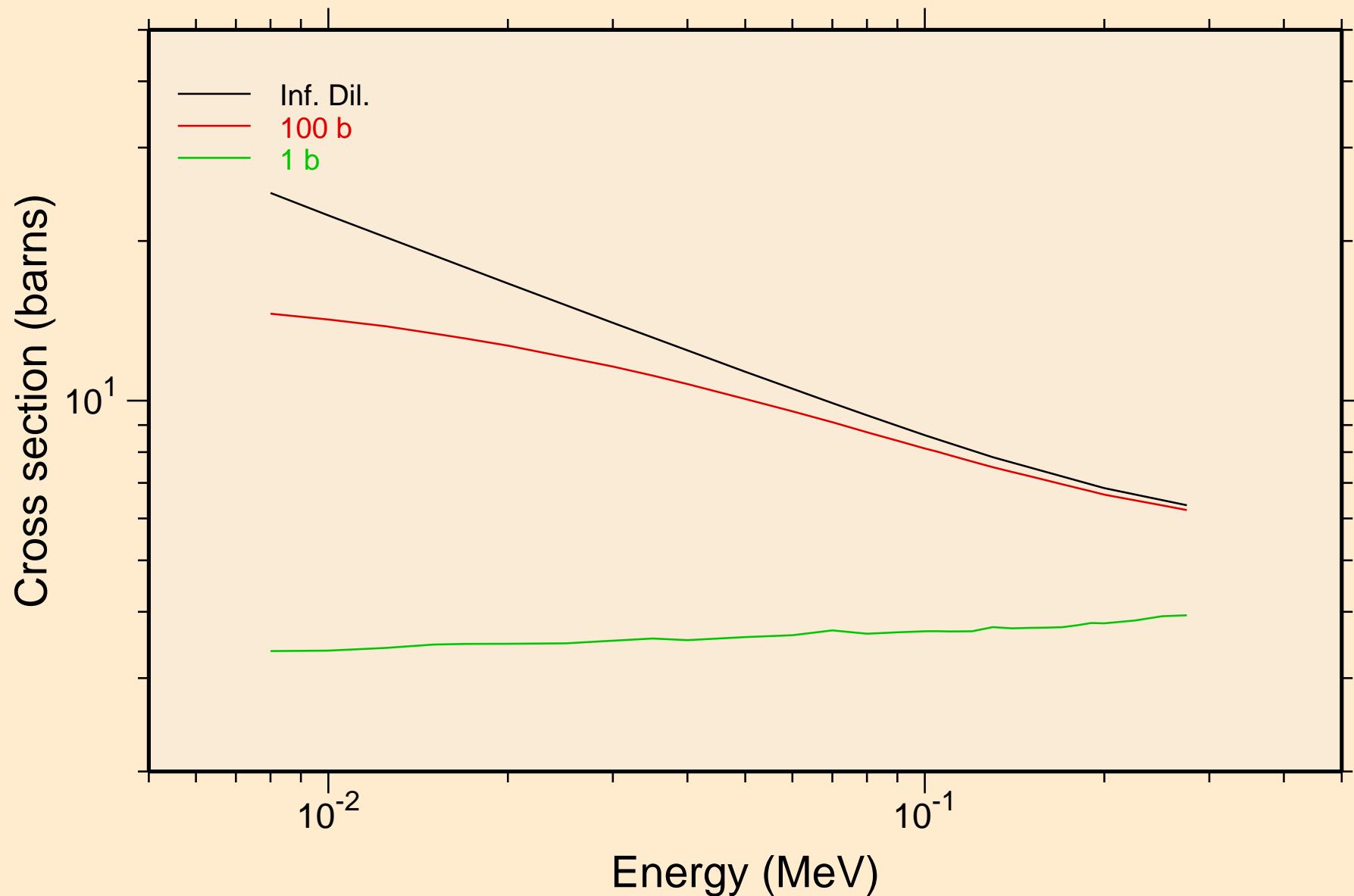
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resonance absorption cross sections



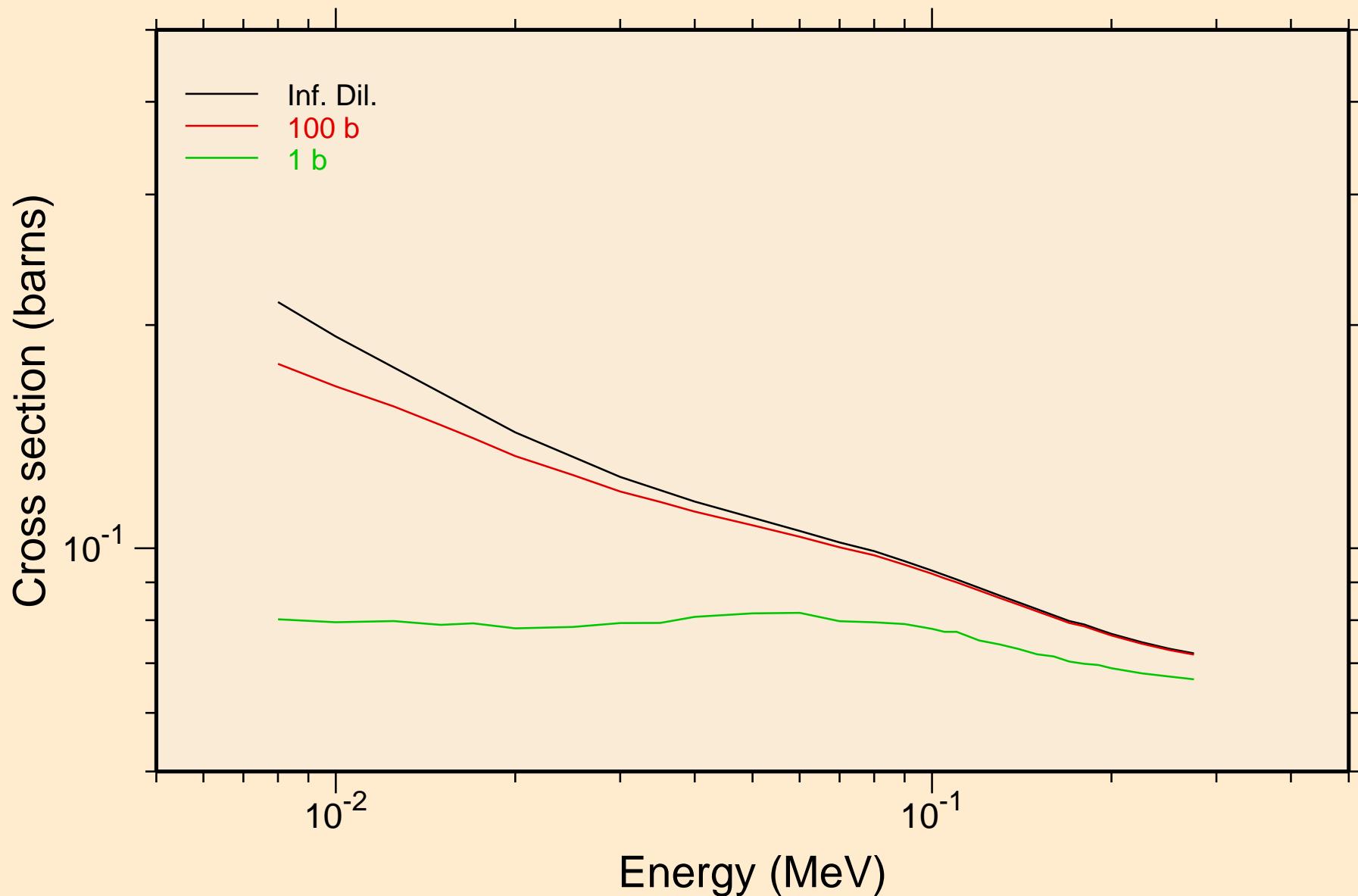
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UR total cross section



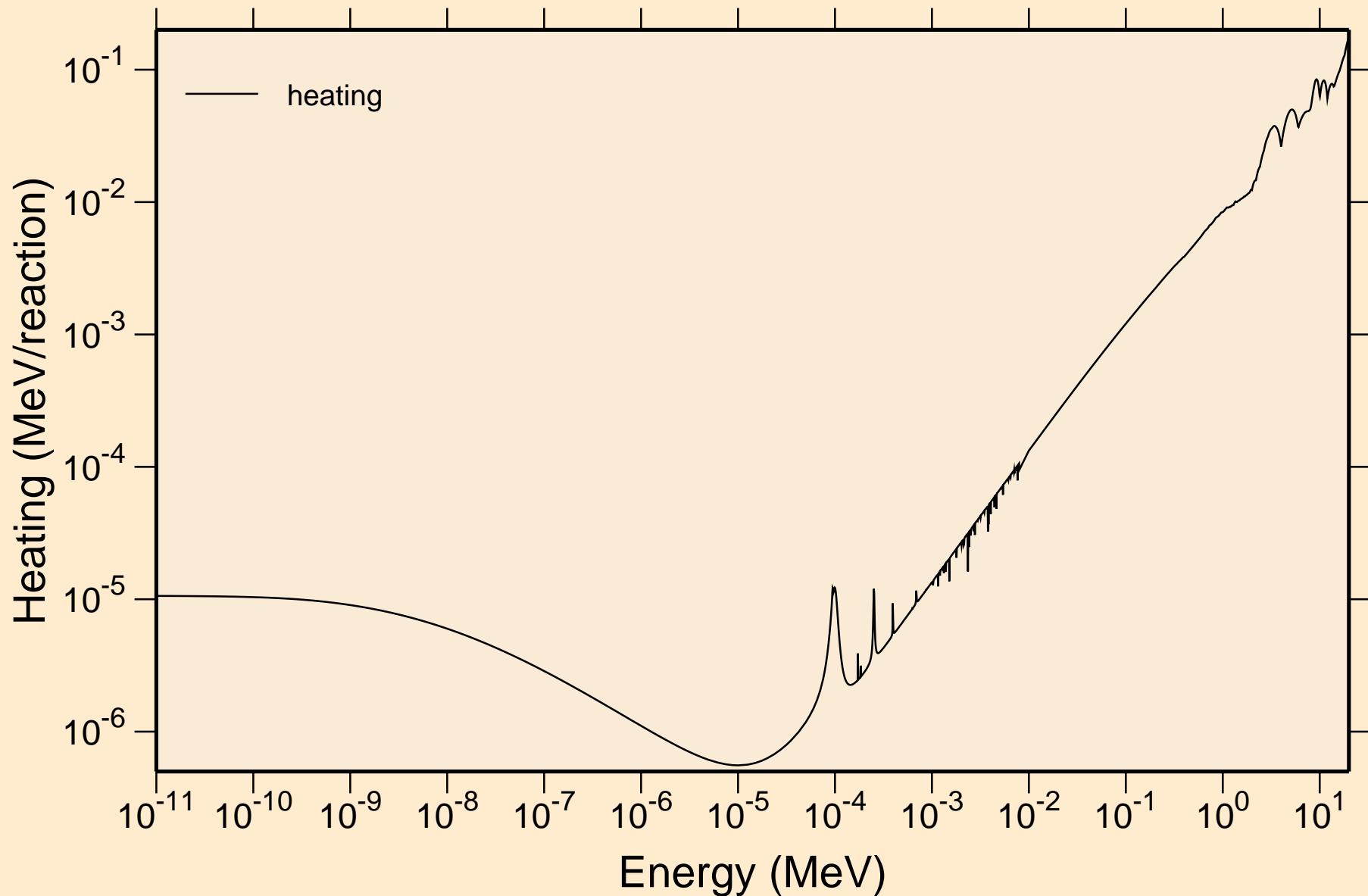
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UR elastic cross section



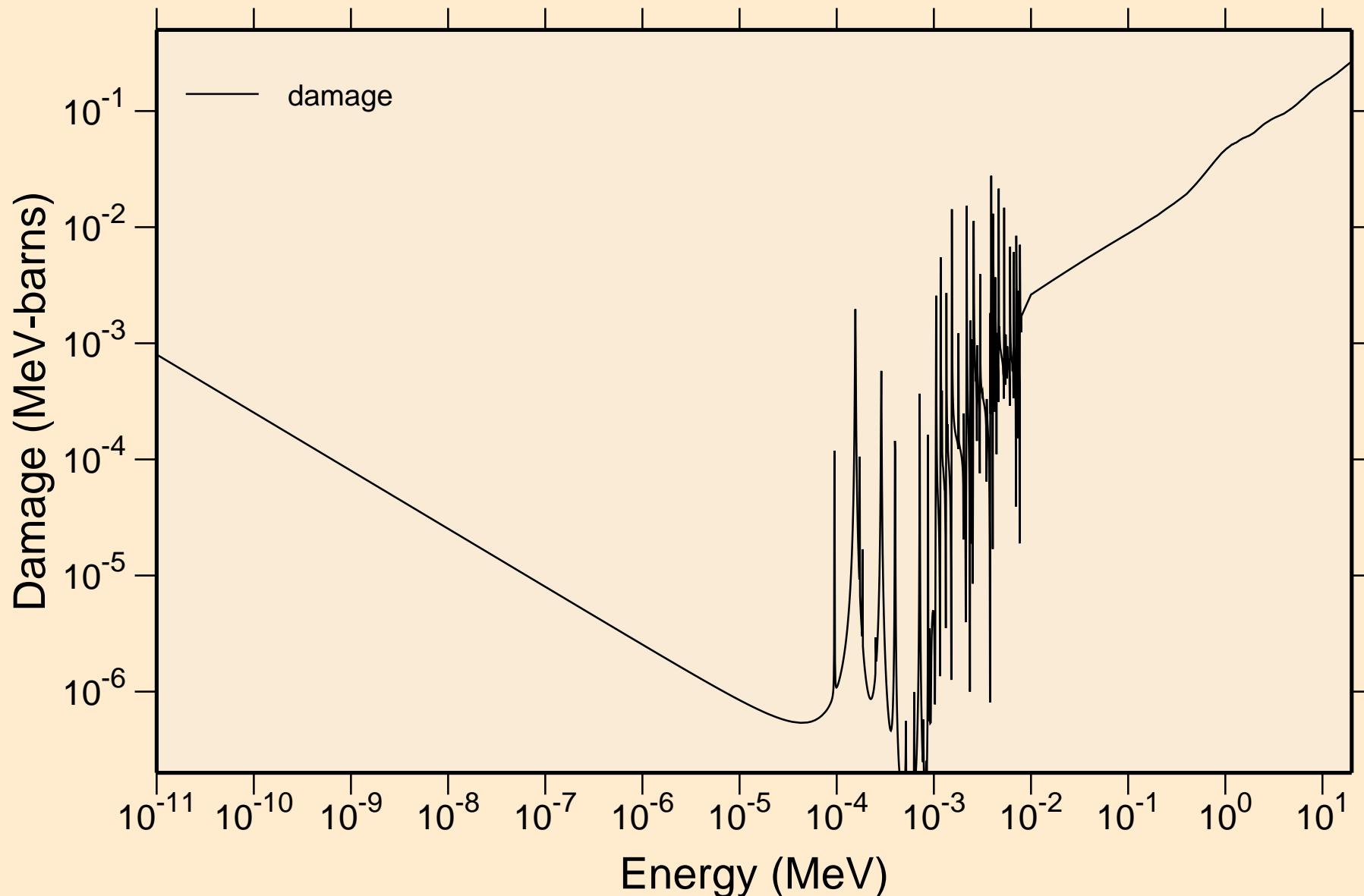
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
UR capture cross section



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating

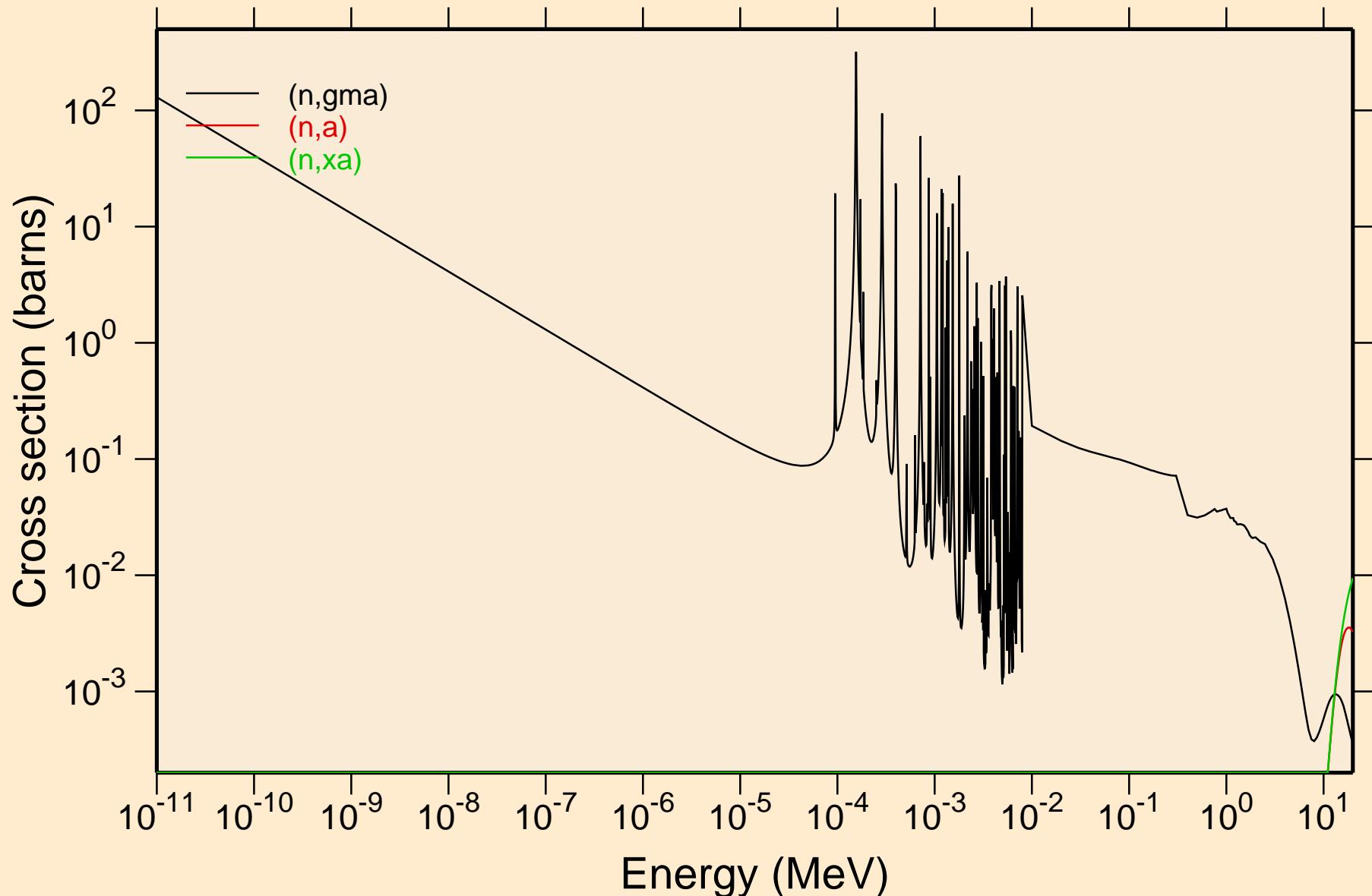


MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage



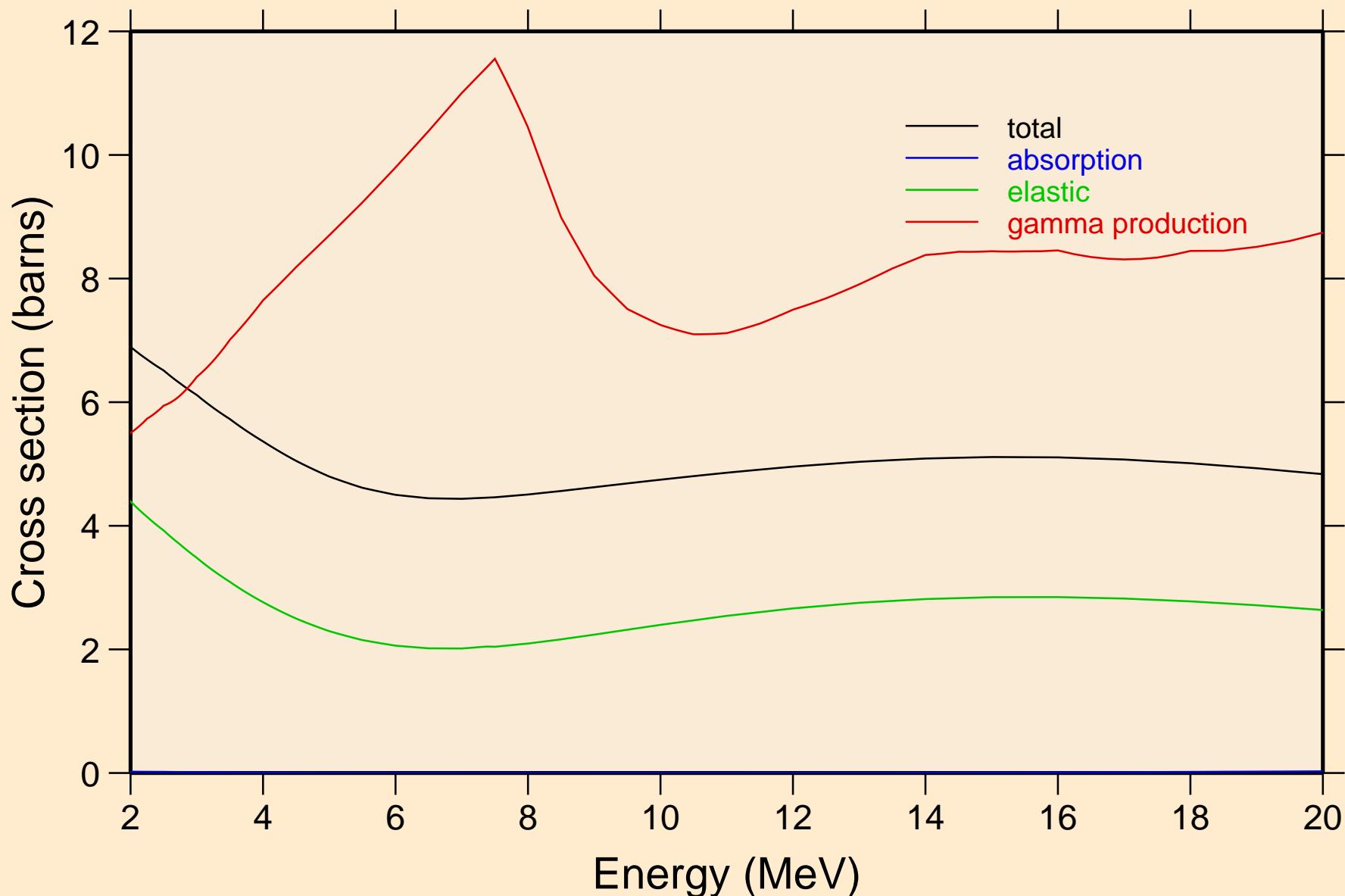
# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

## Non-threshold reactions

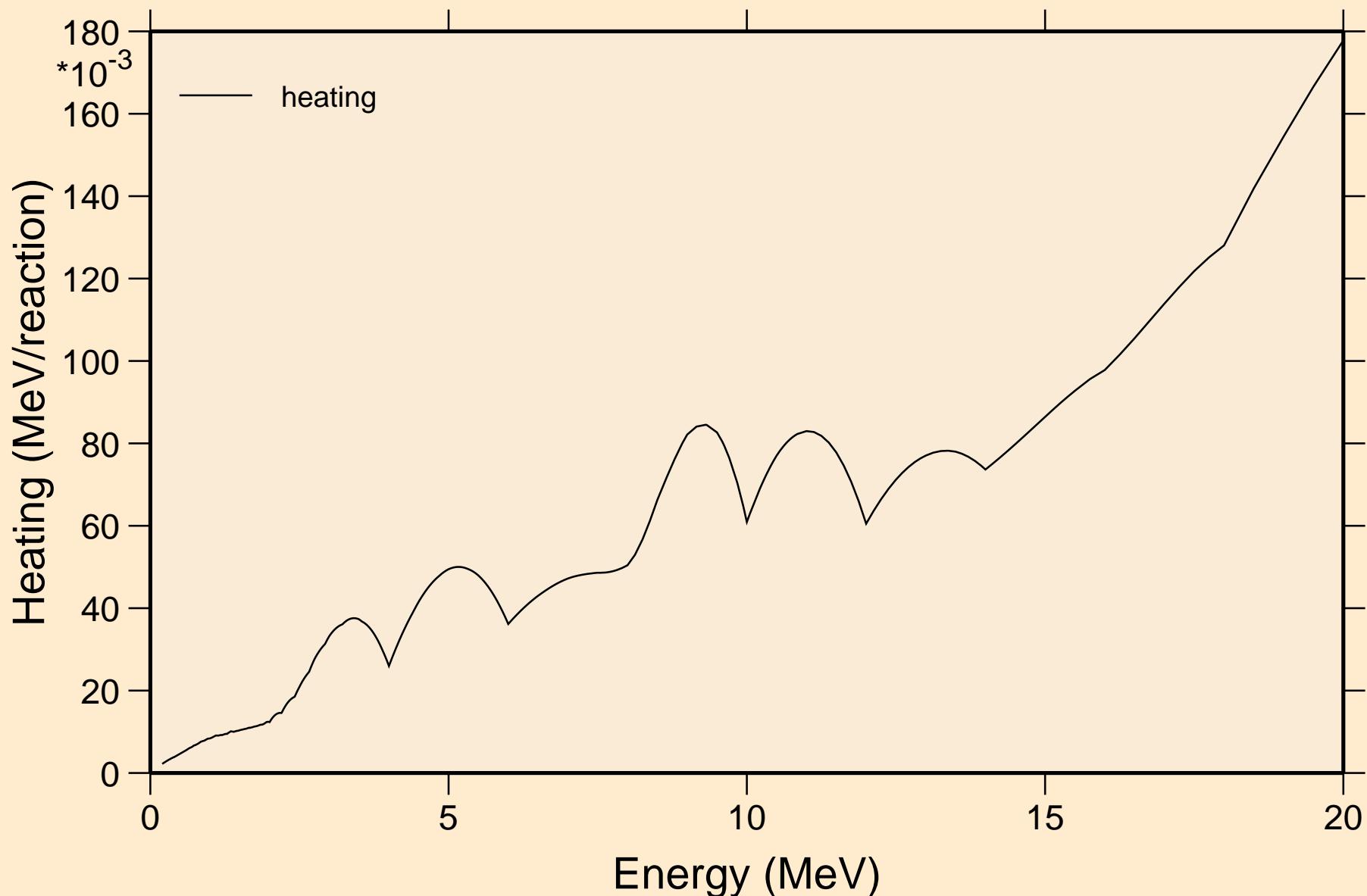


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

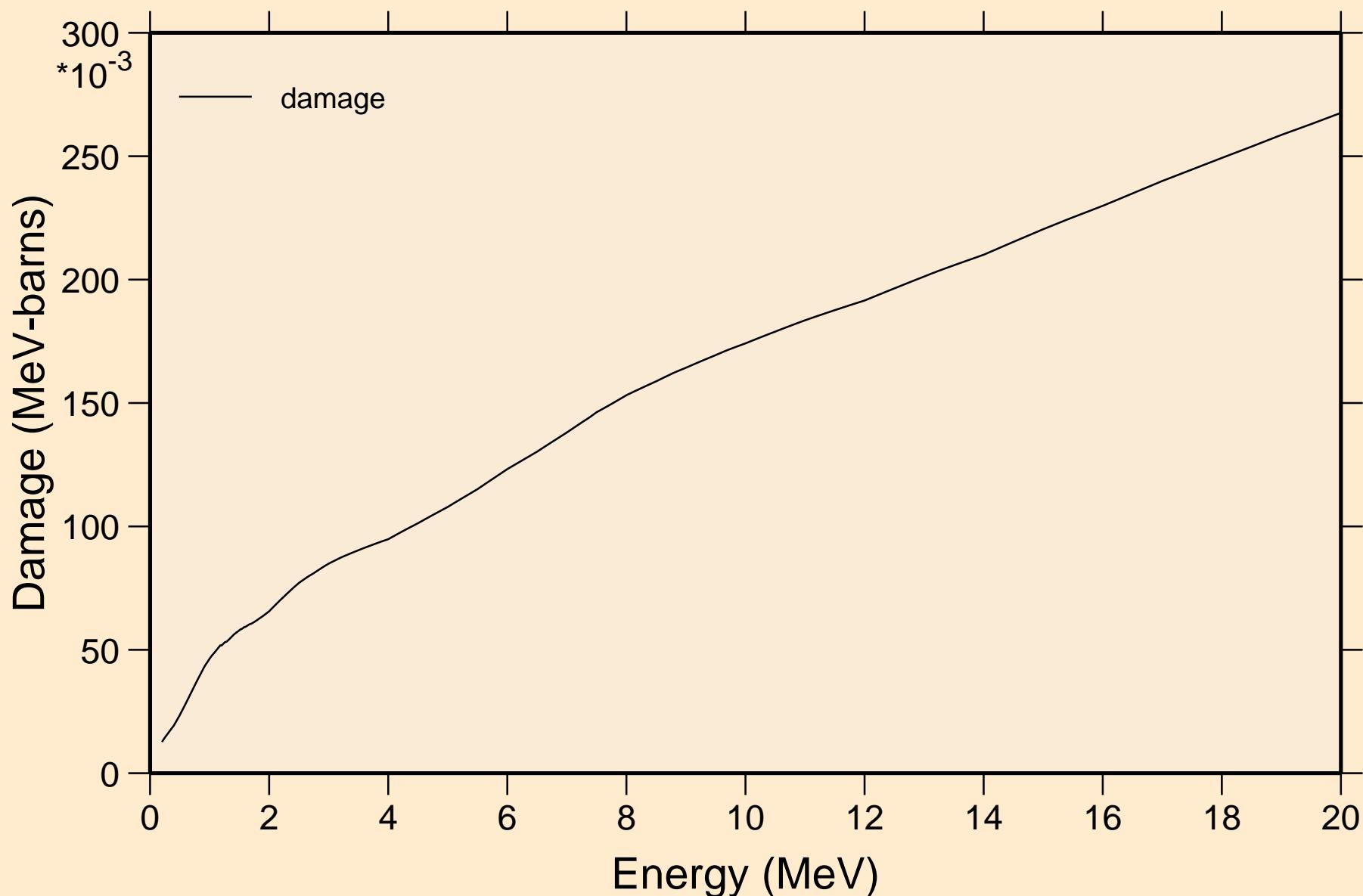
## Principal cross sections



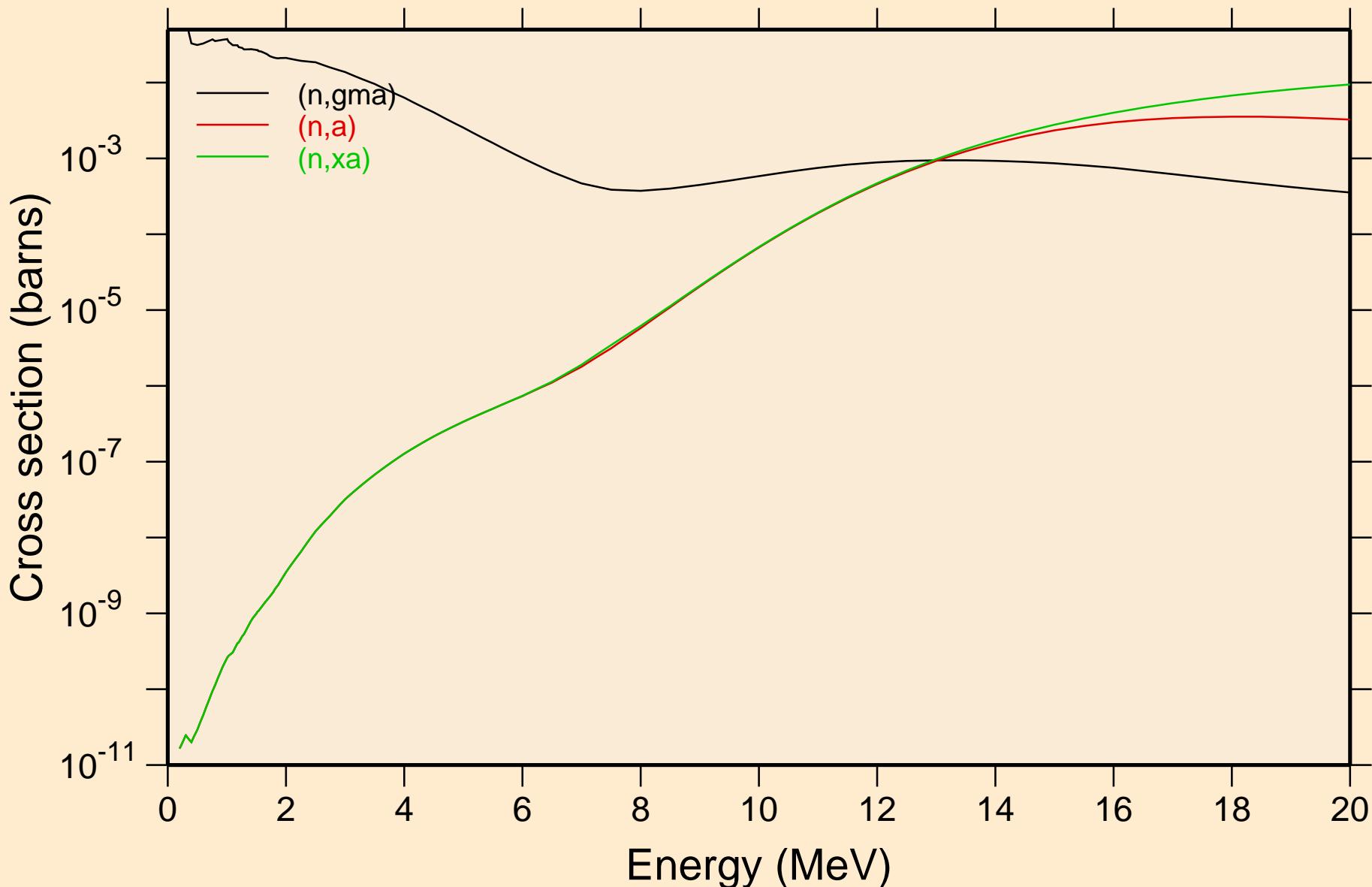
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage

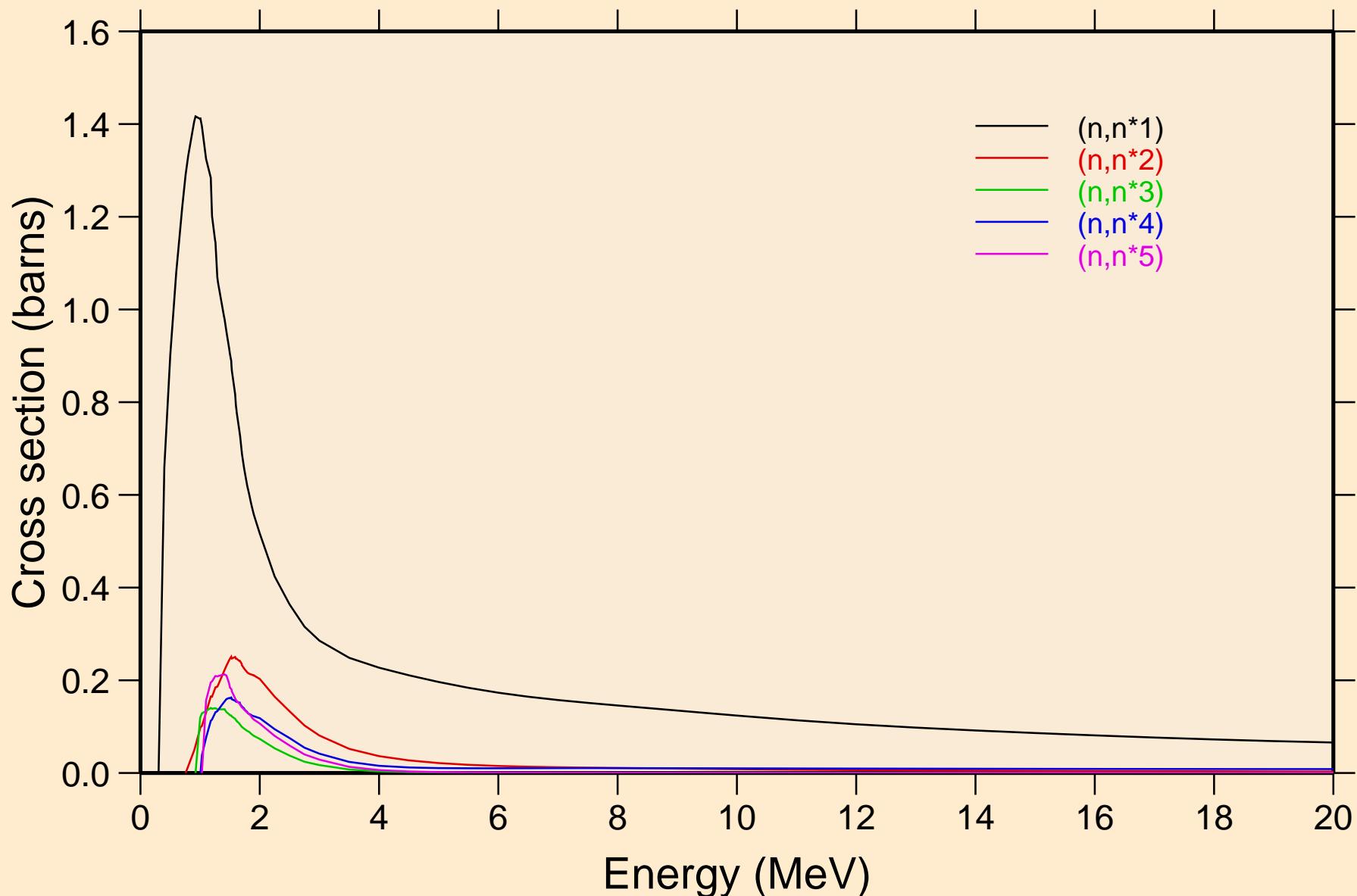


MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions



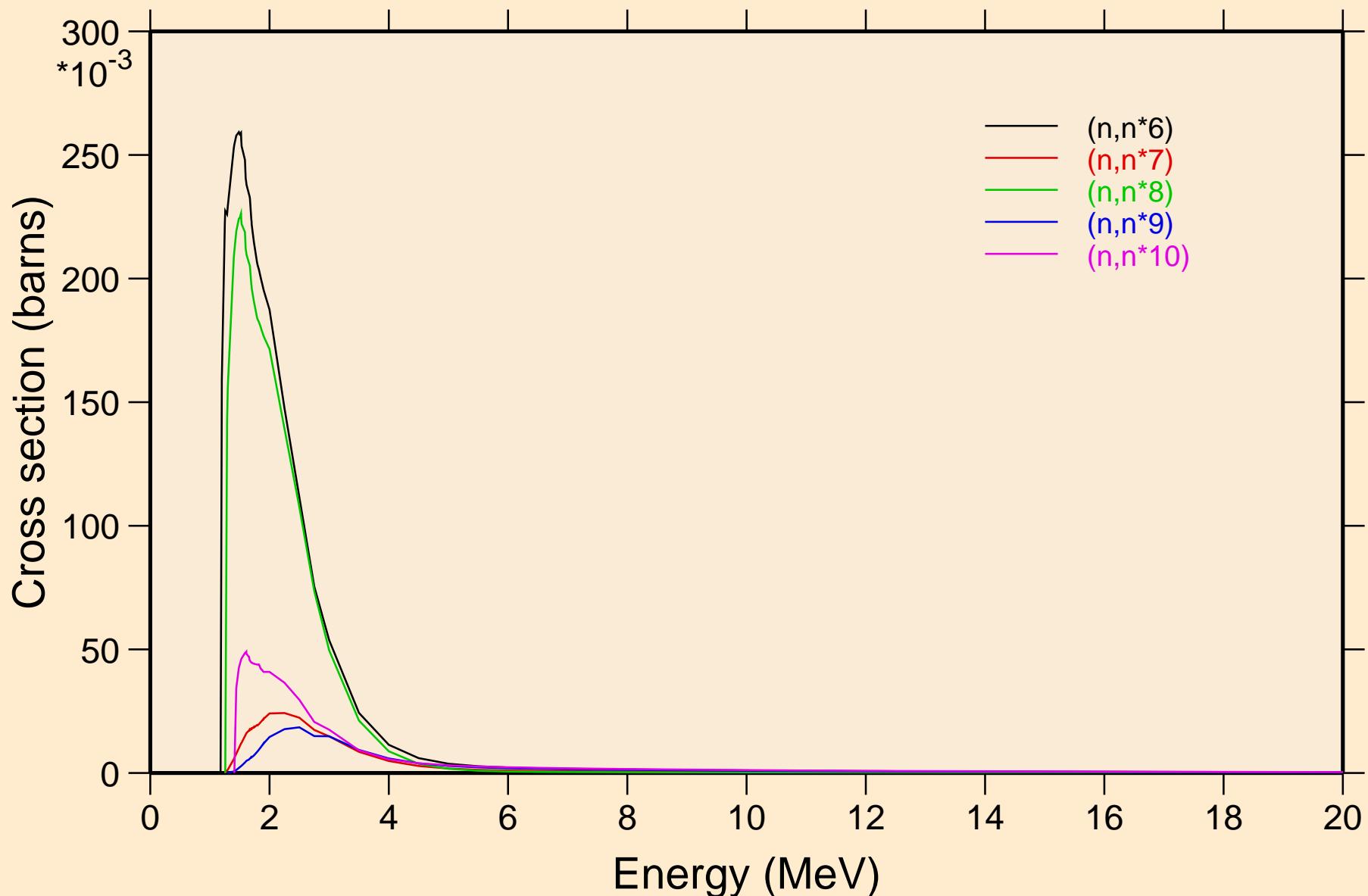
# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

## Inelastic levels

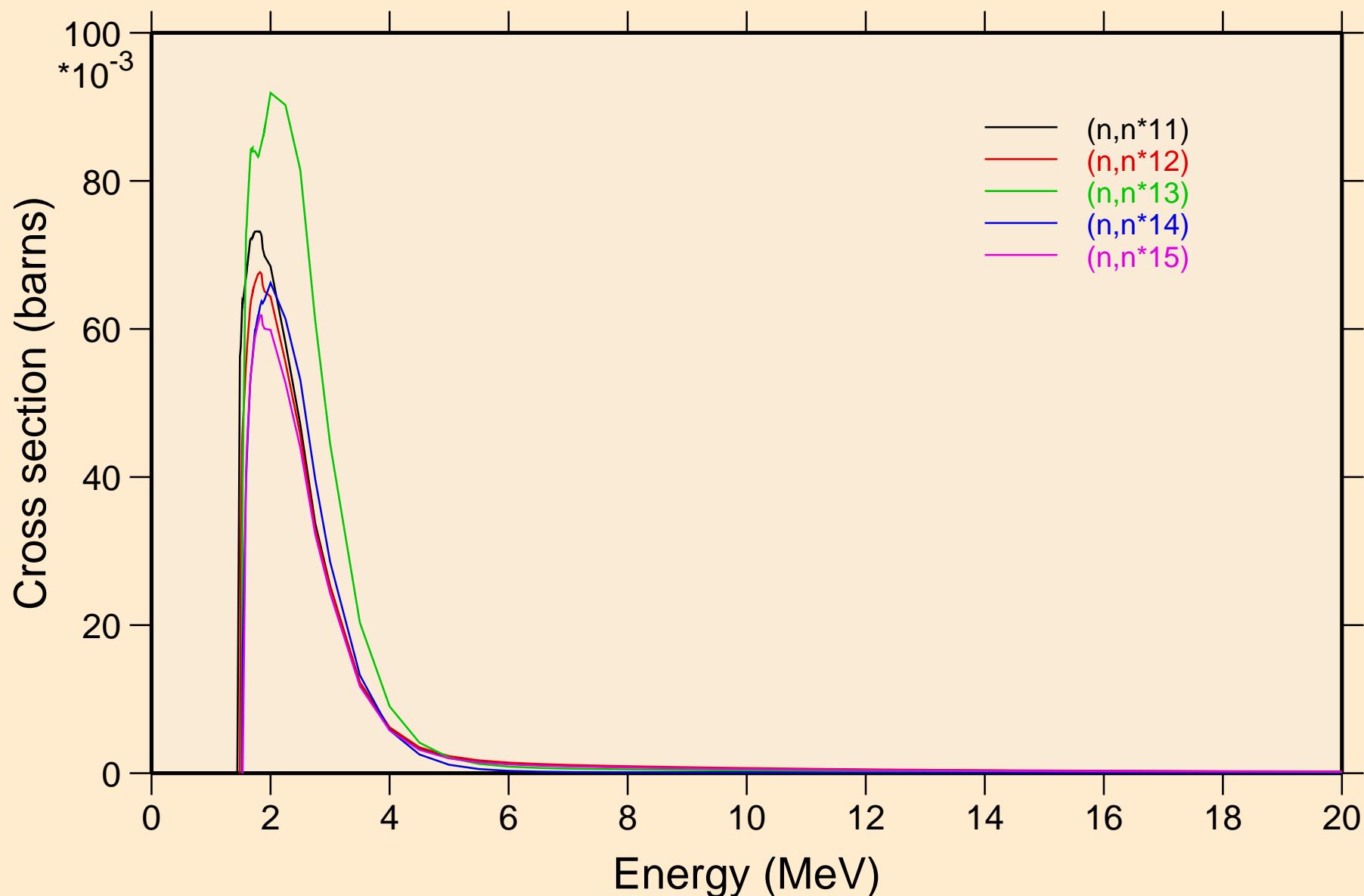


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

## Inelastic levels

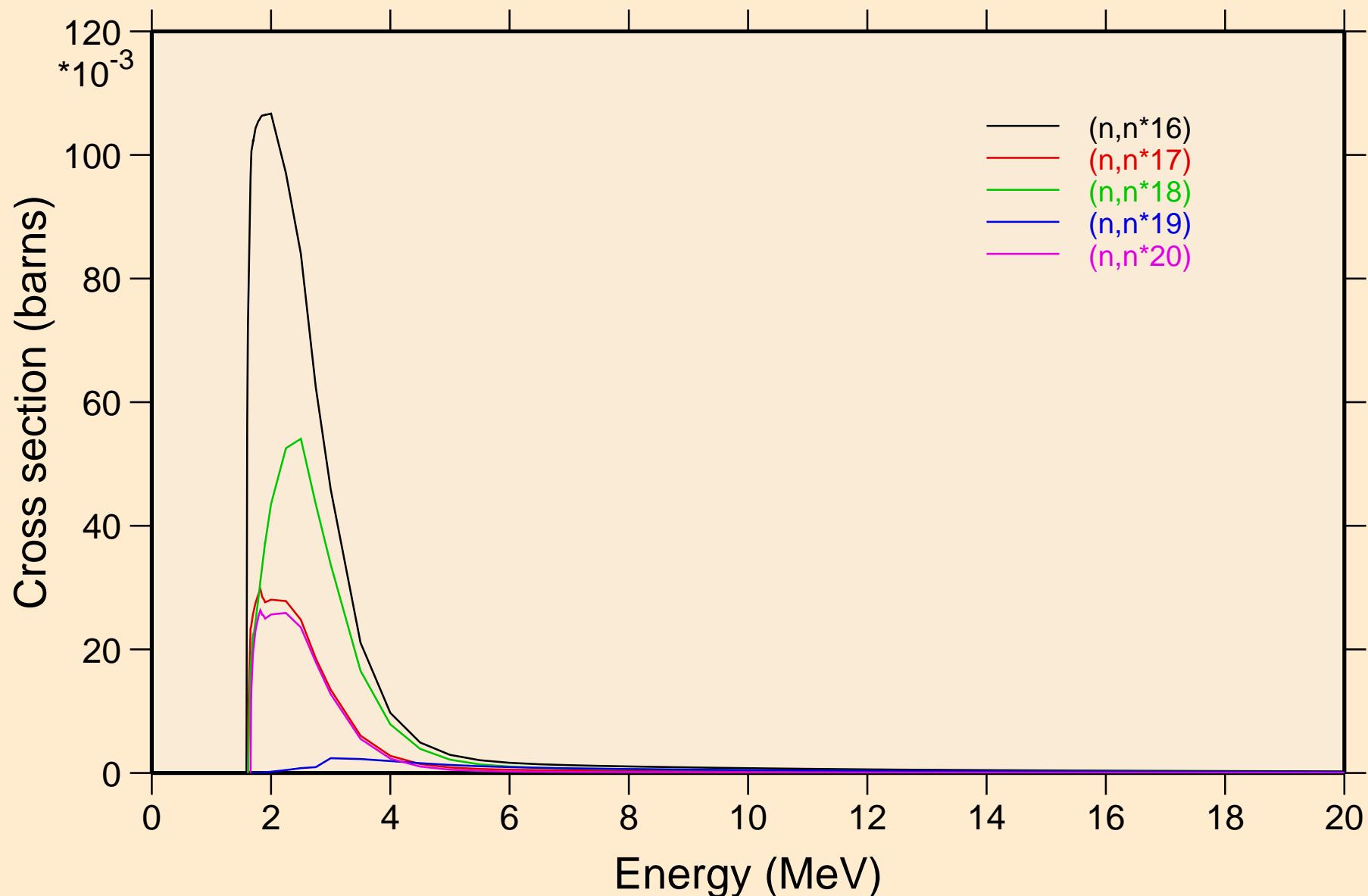


MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

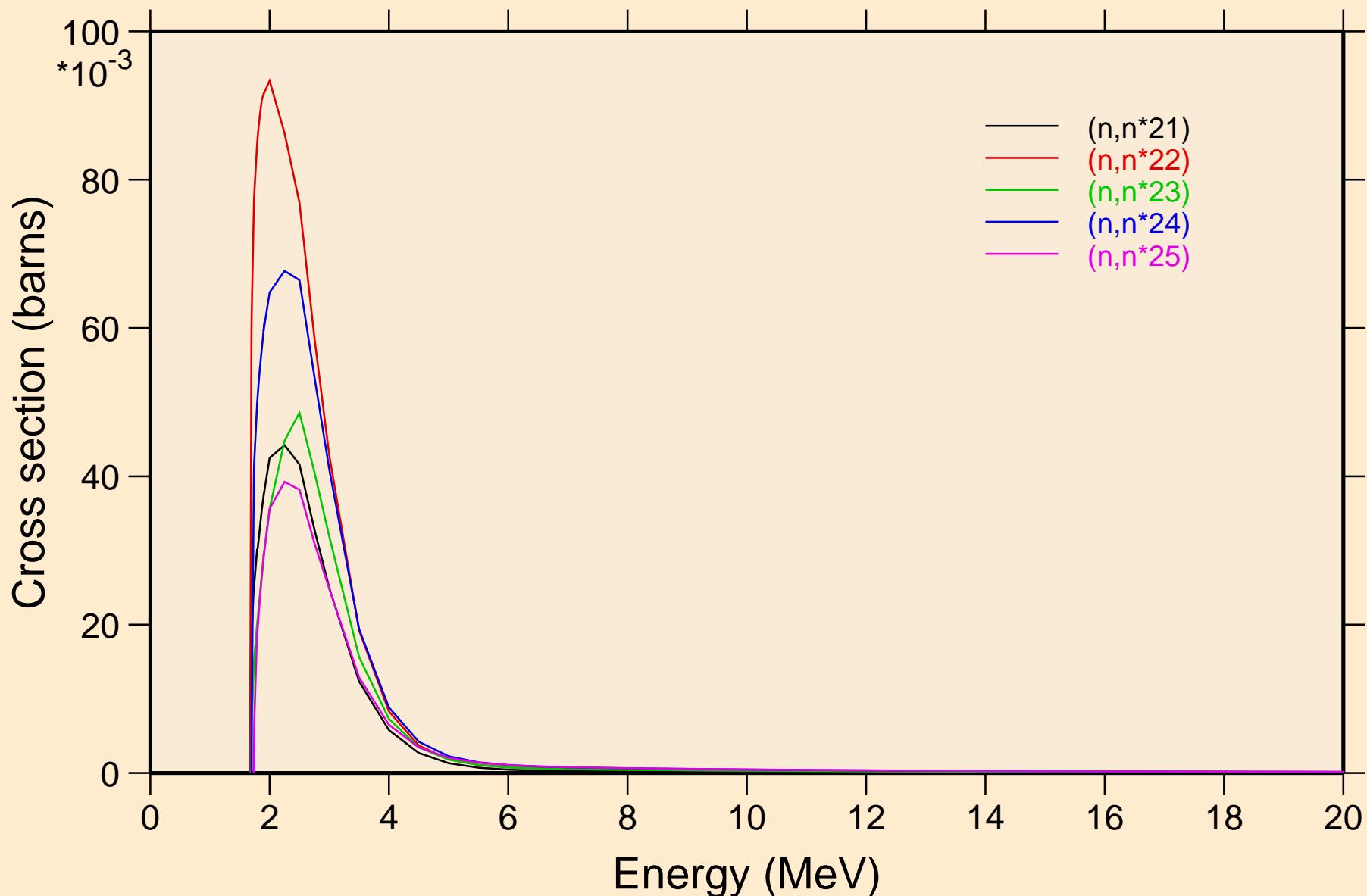


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

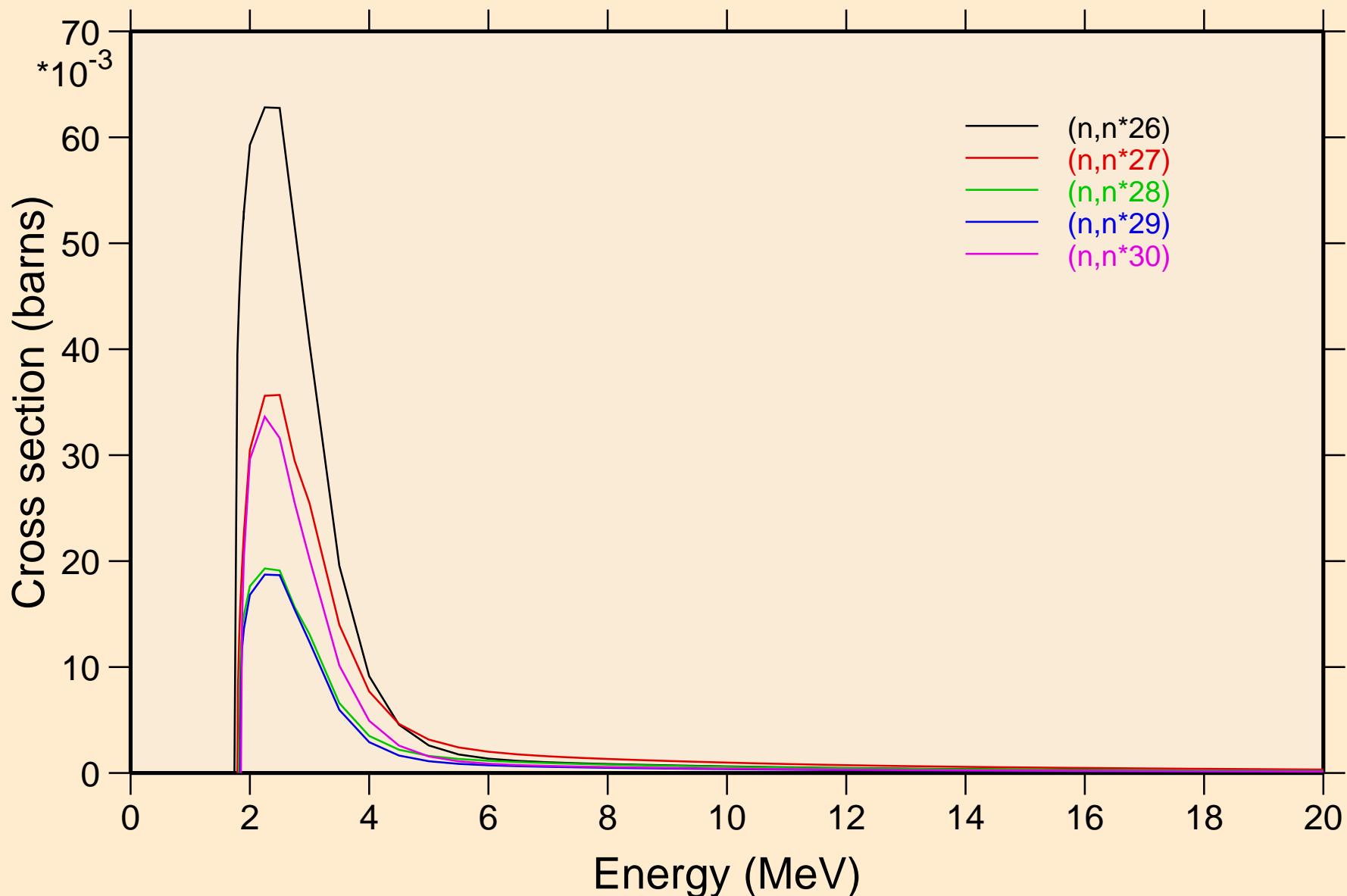
## Inelastic levels



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

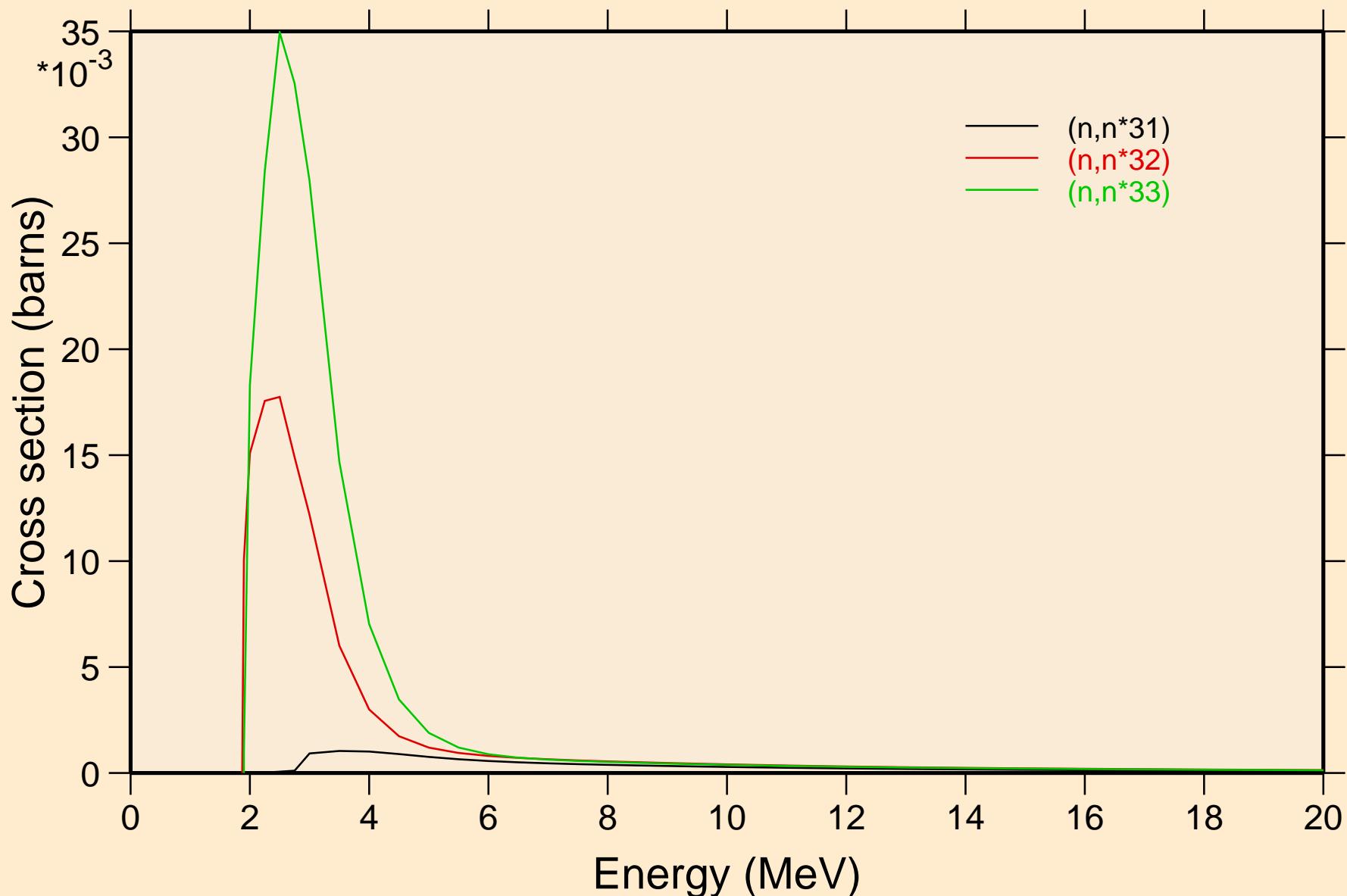


MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

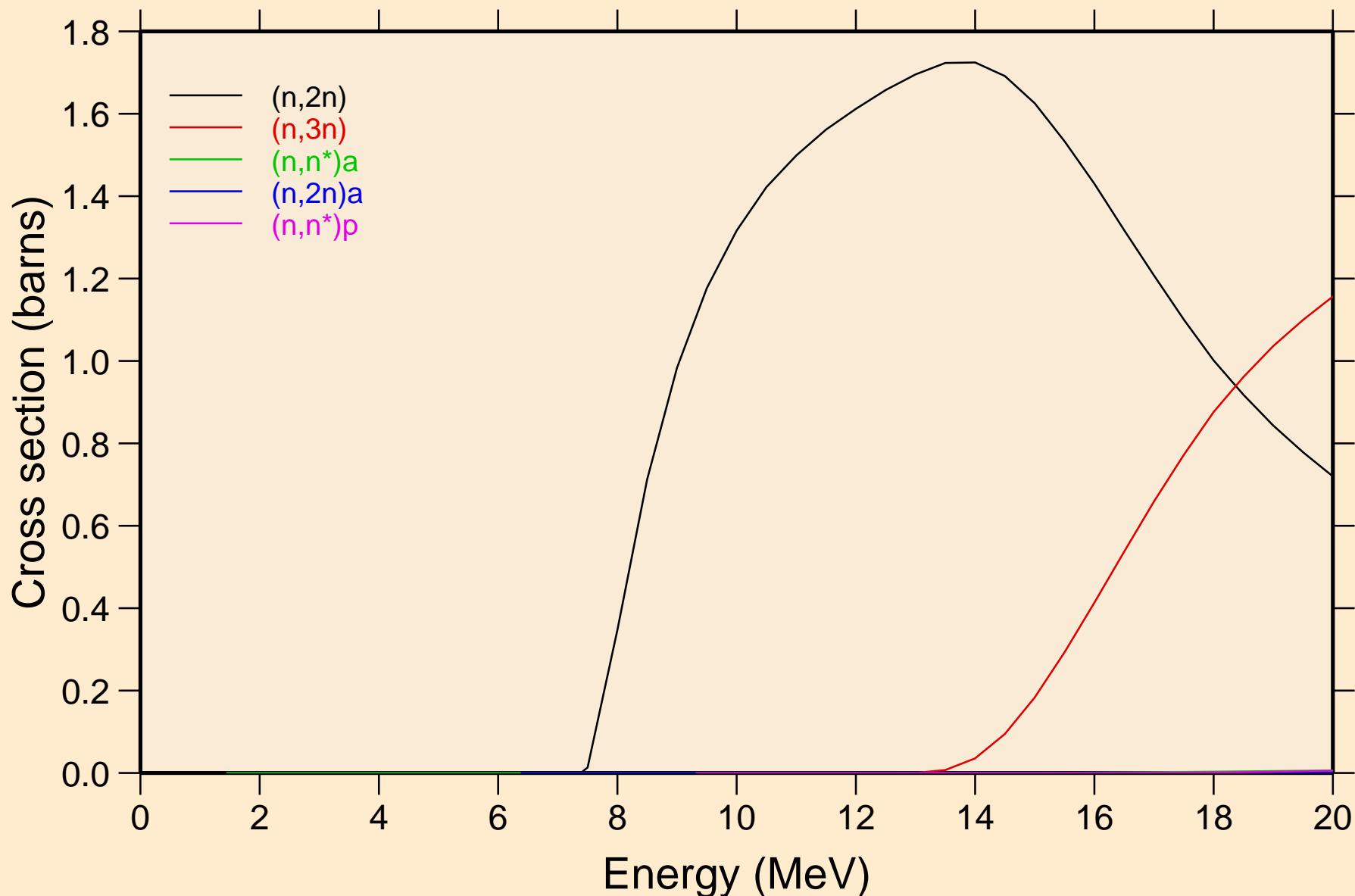


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

## Inelastic levels

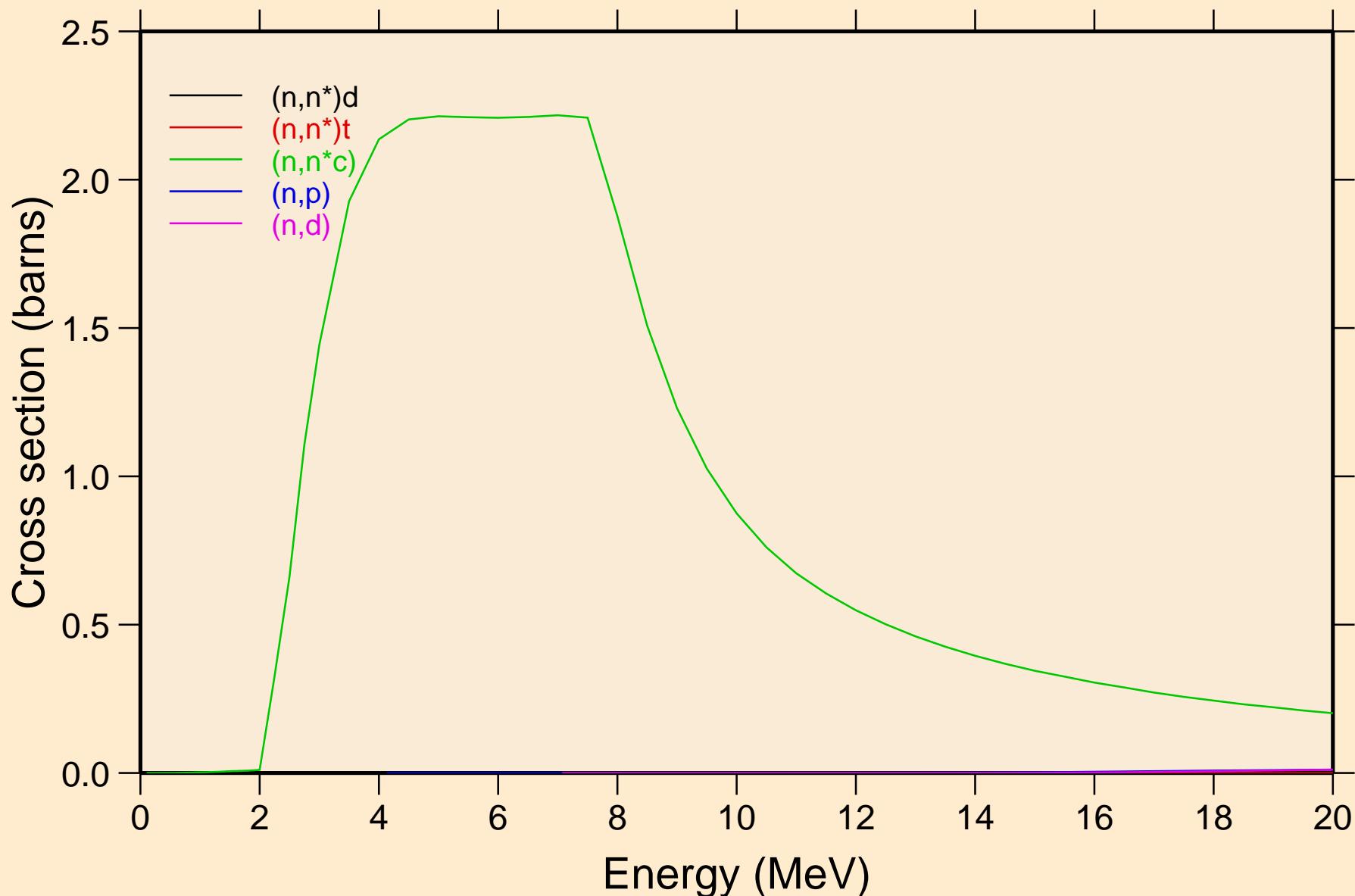


MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



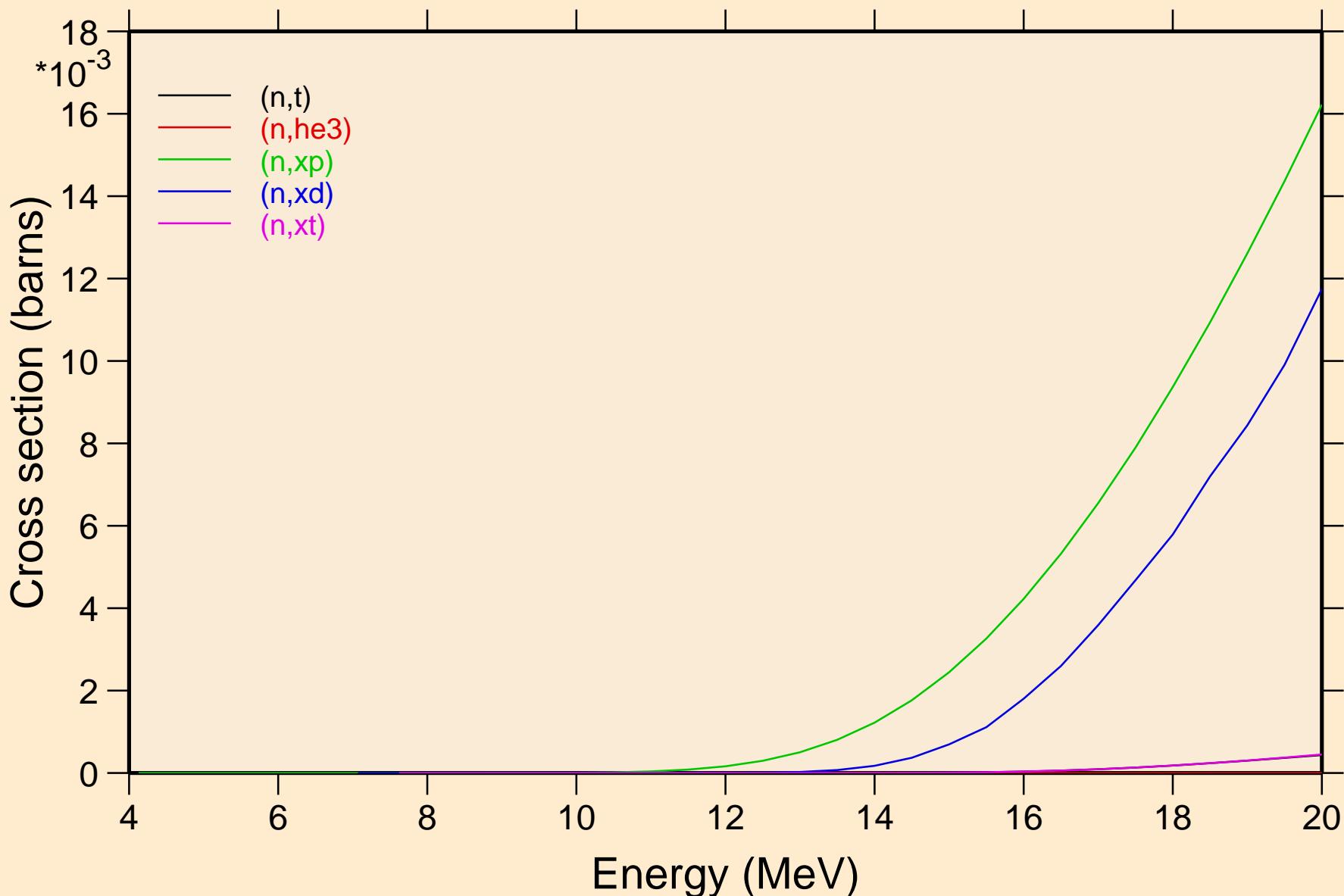
# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

## Threshold reactions

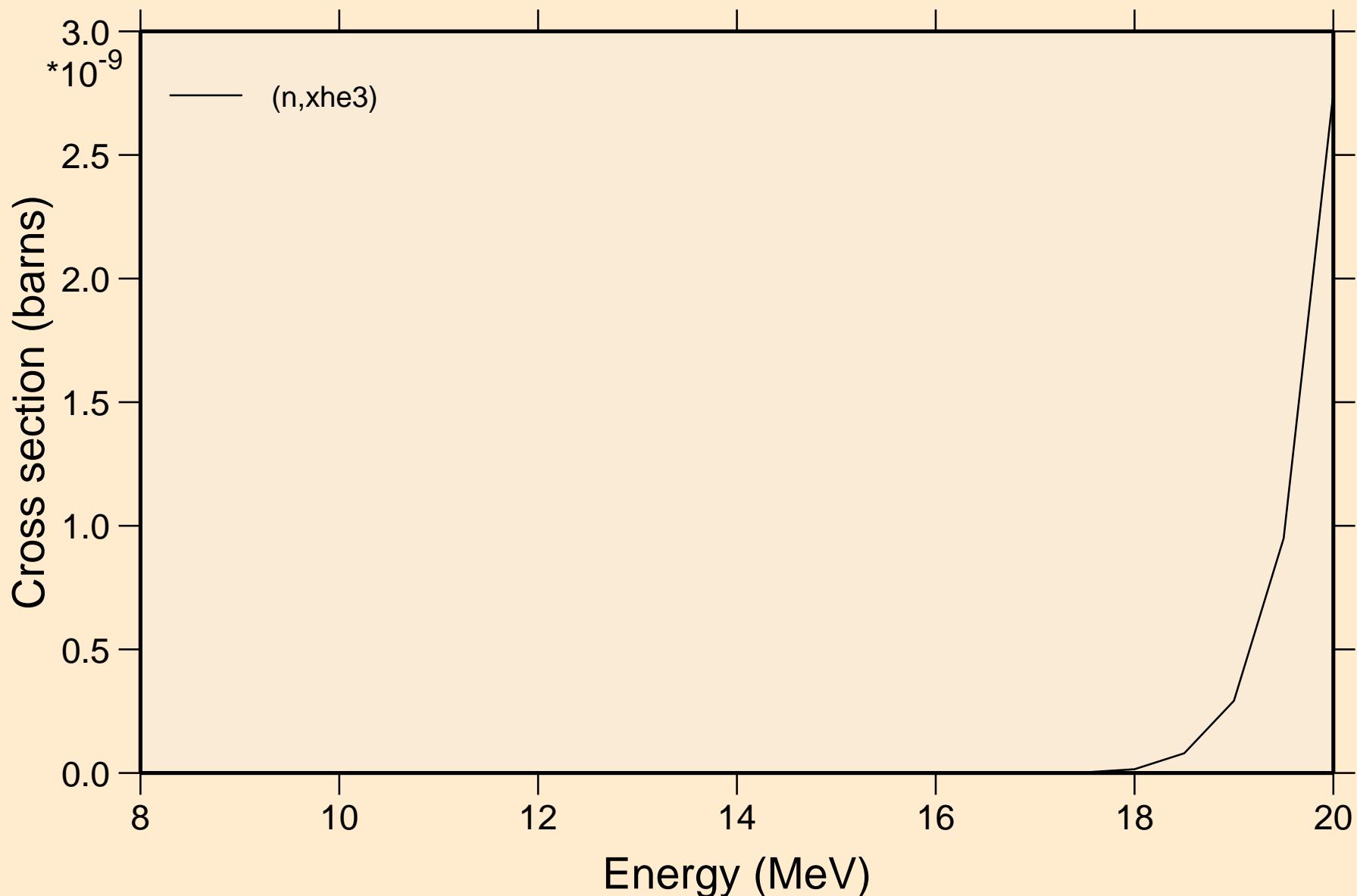


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

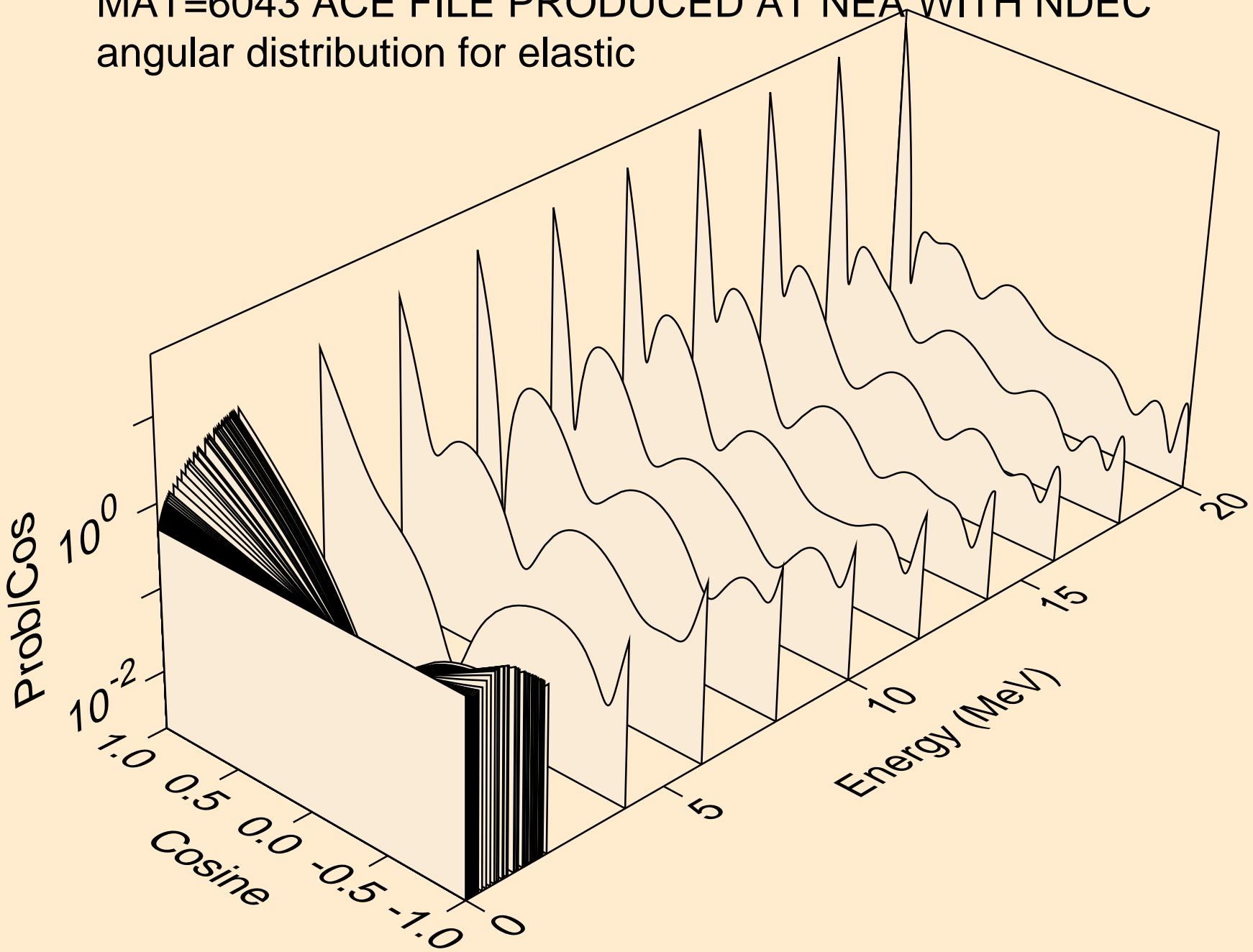
## Threshold reactions



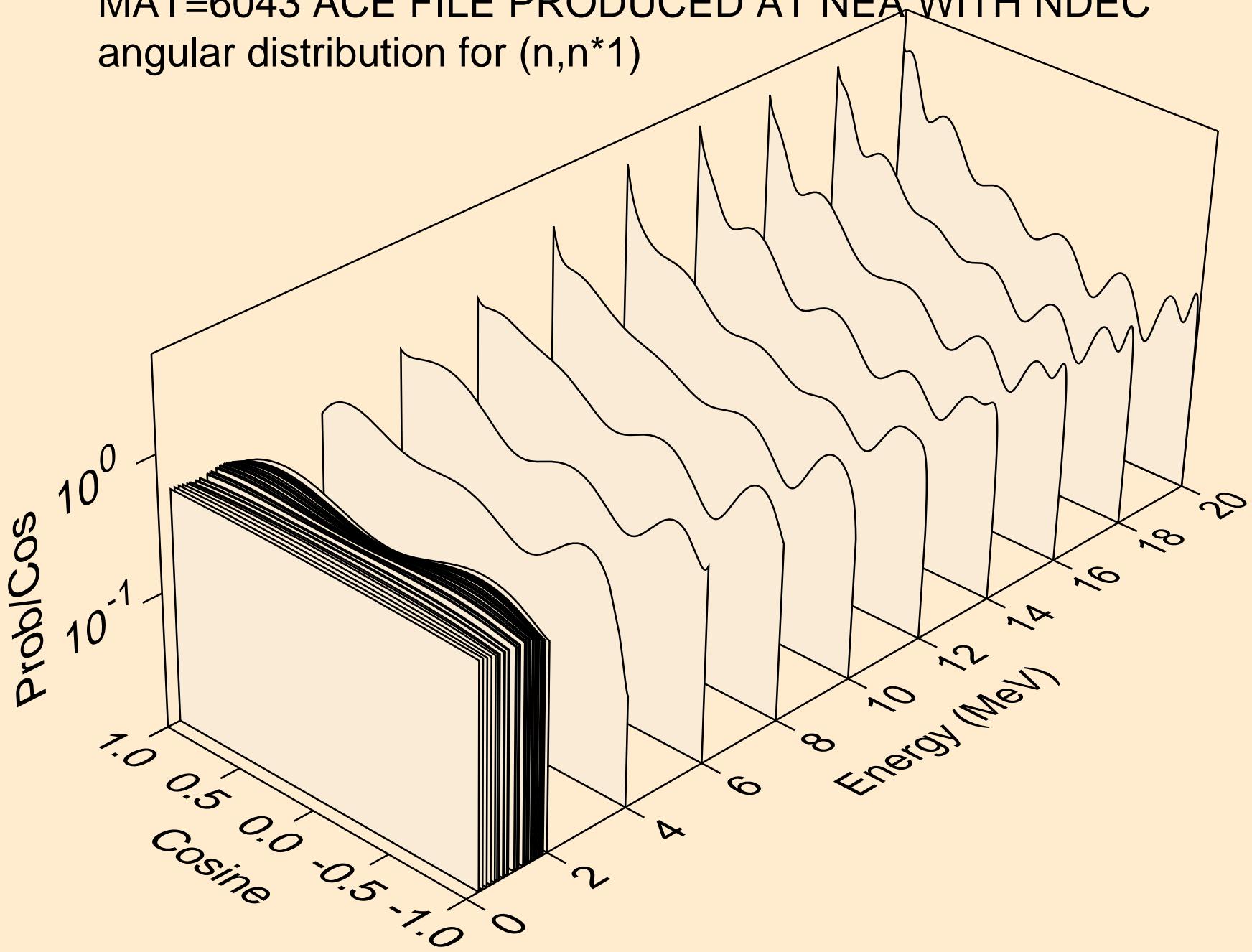
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



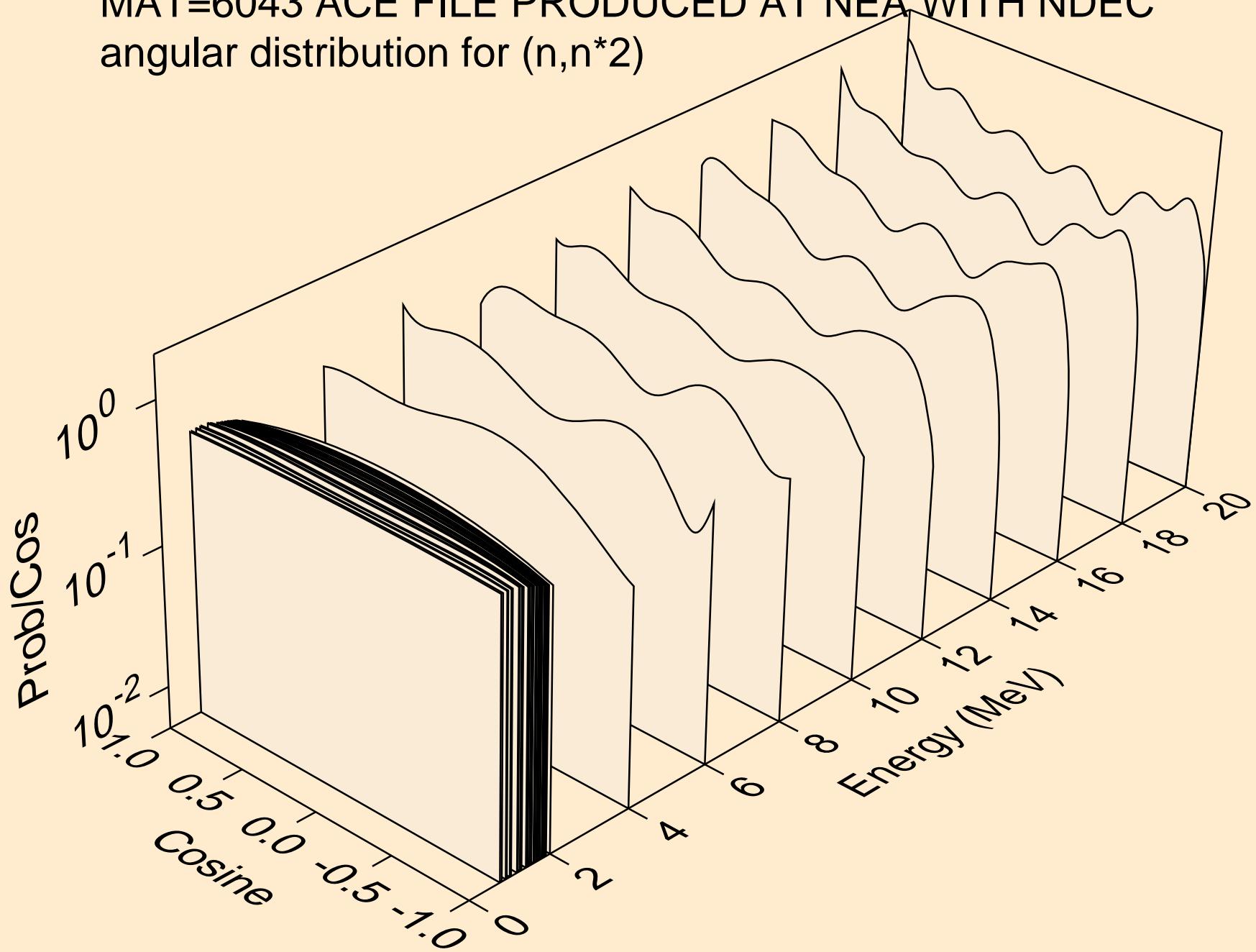
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for elastic



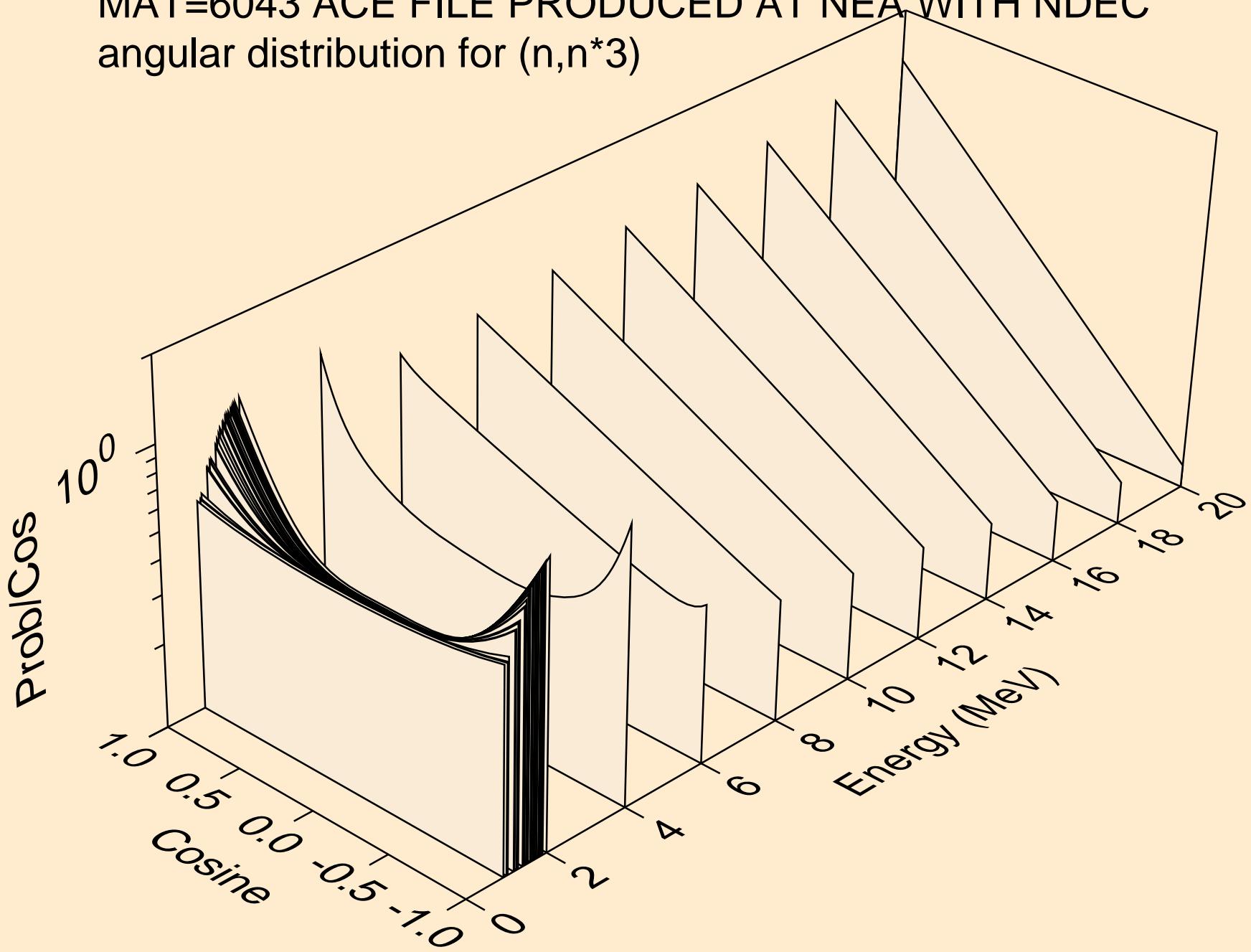
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*1)



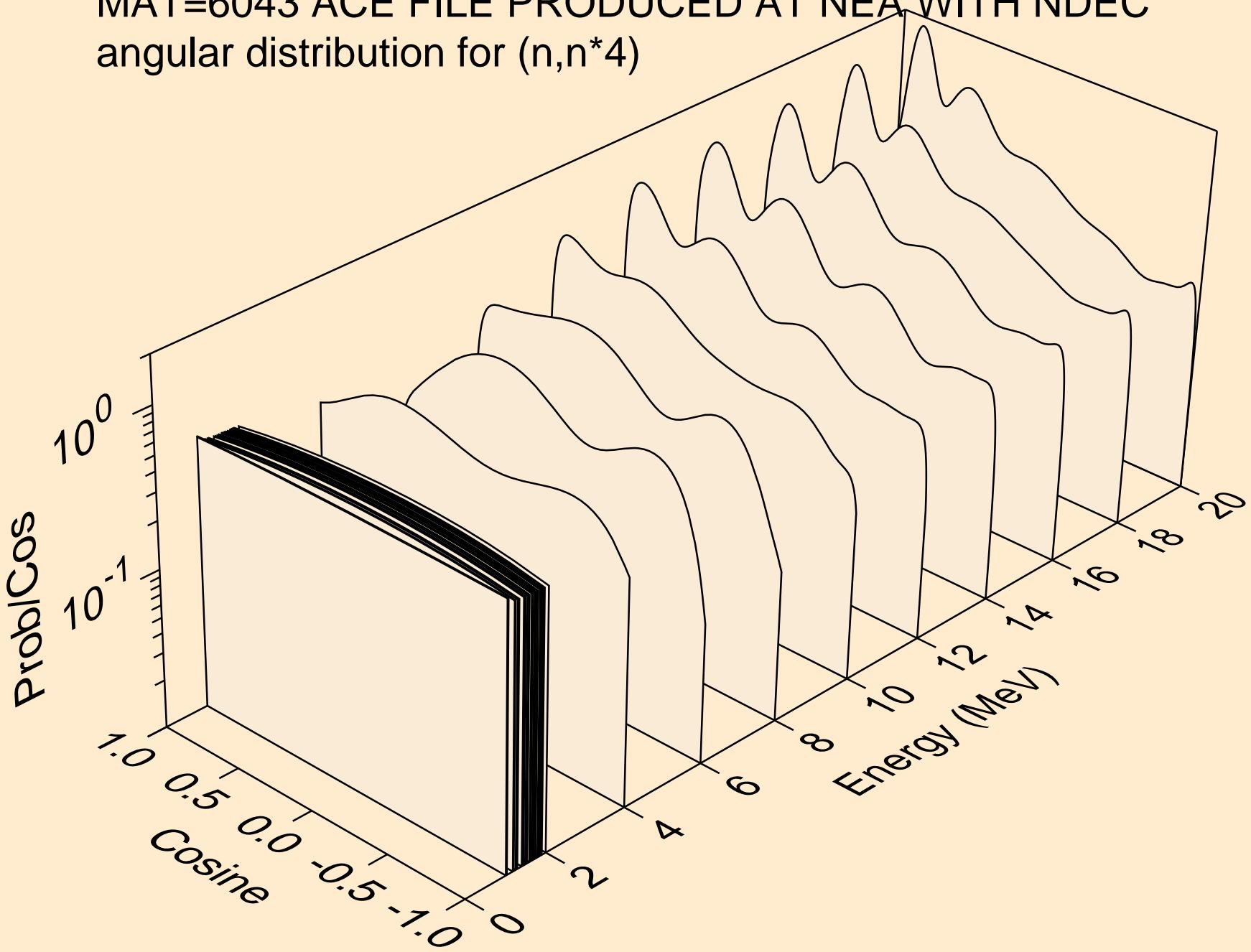
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angular distribution for  $(n, n^*2)$



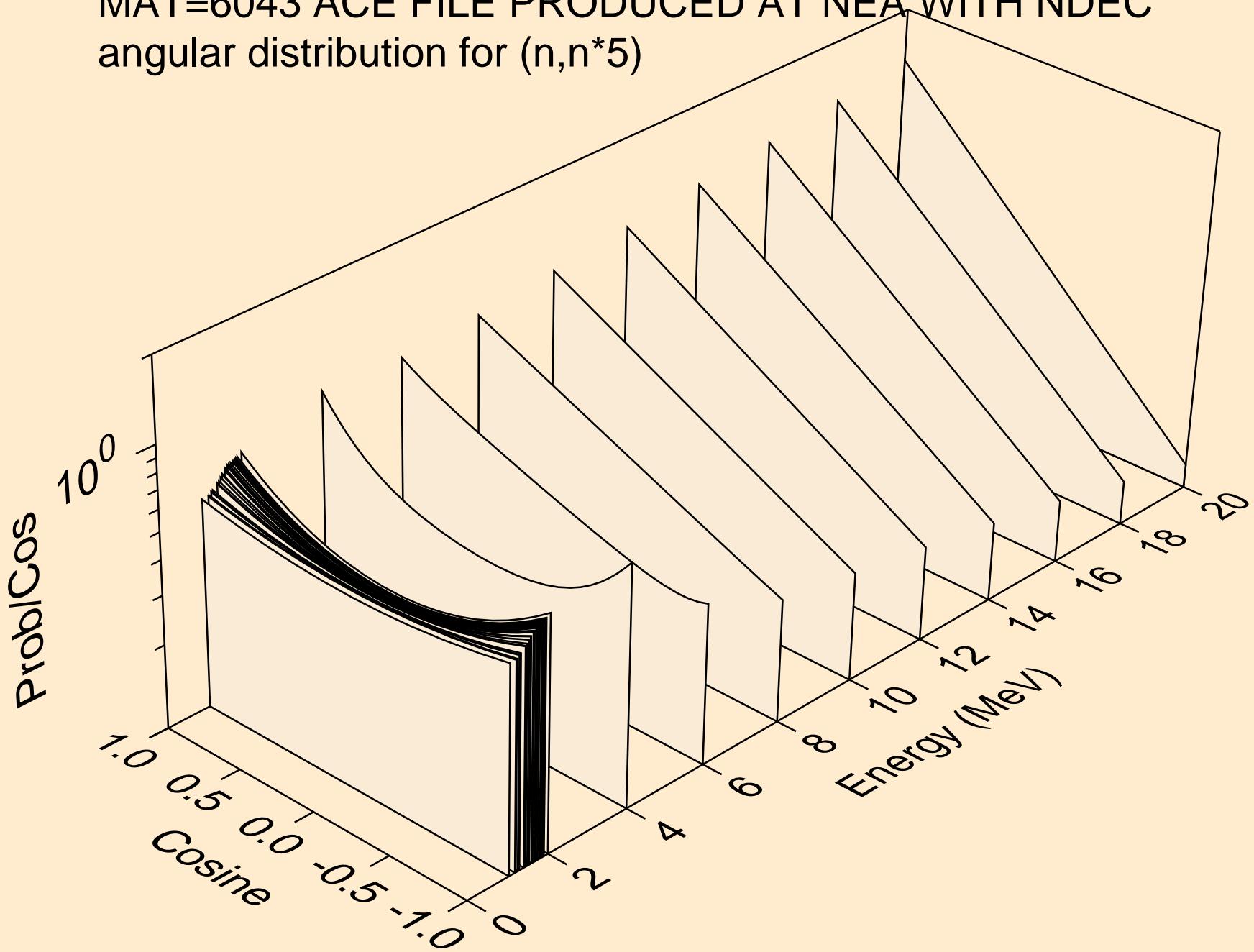
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angular distribution for  $(n,n^*3)$



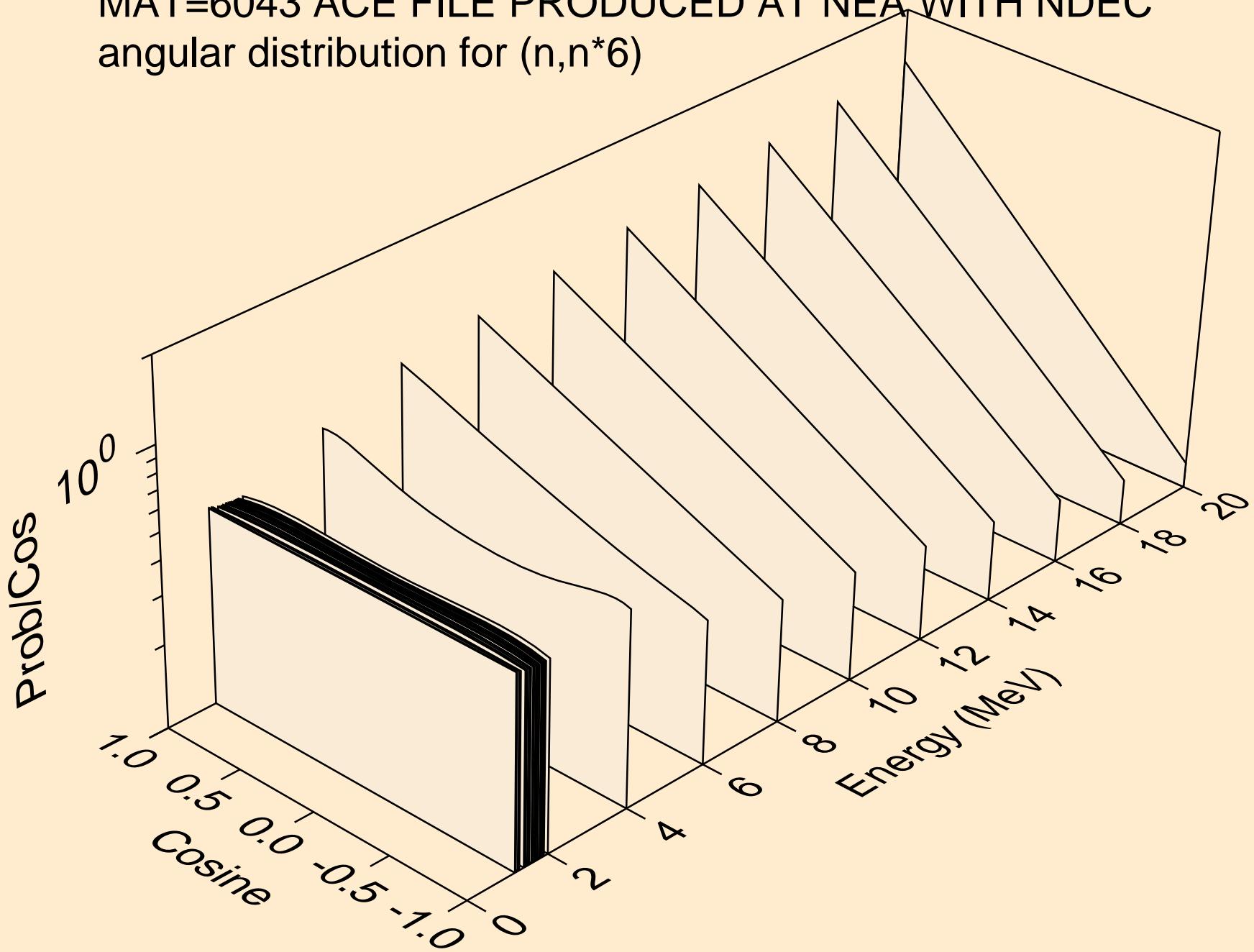
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angular distribution for (n,n\*4)



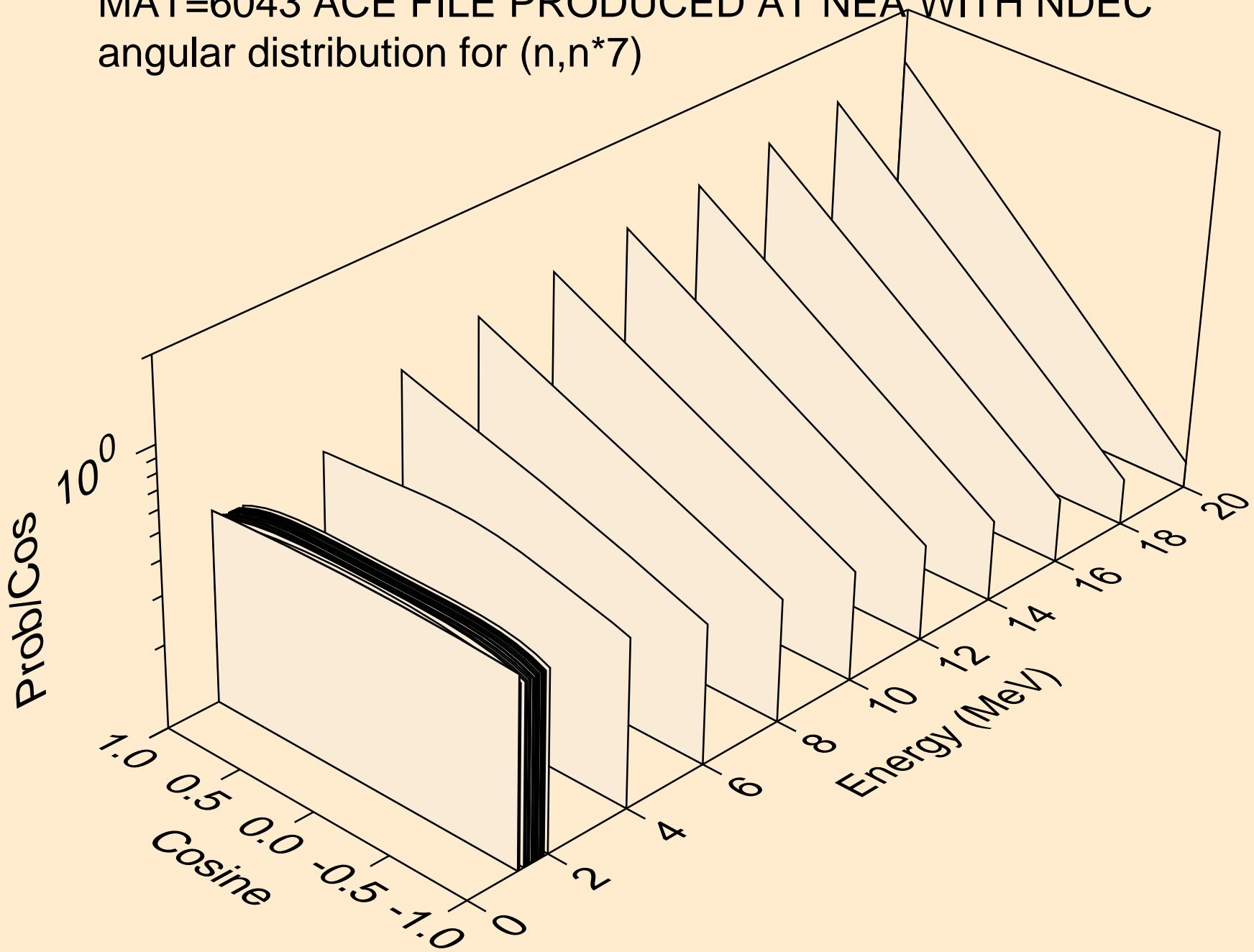
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angular distribution for (n,n\*5)



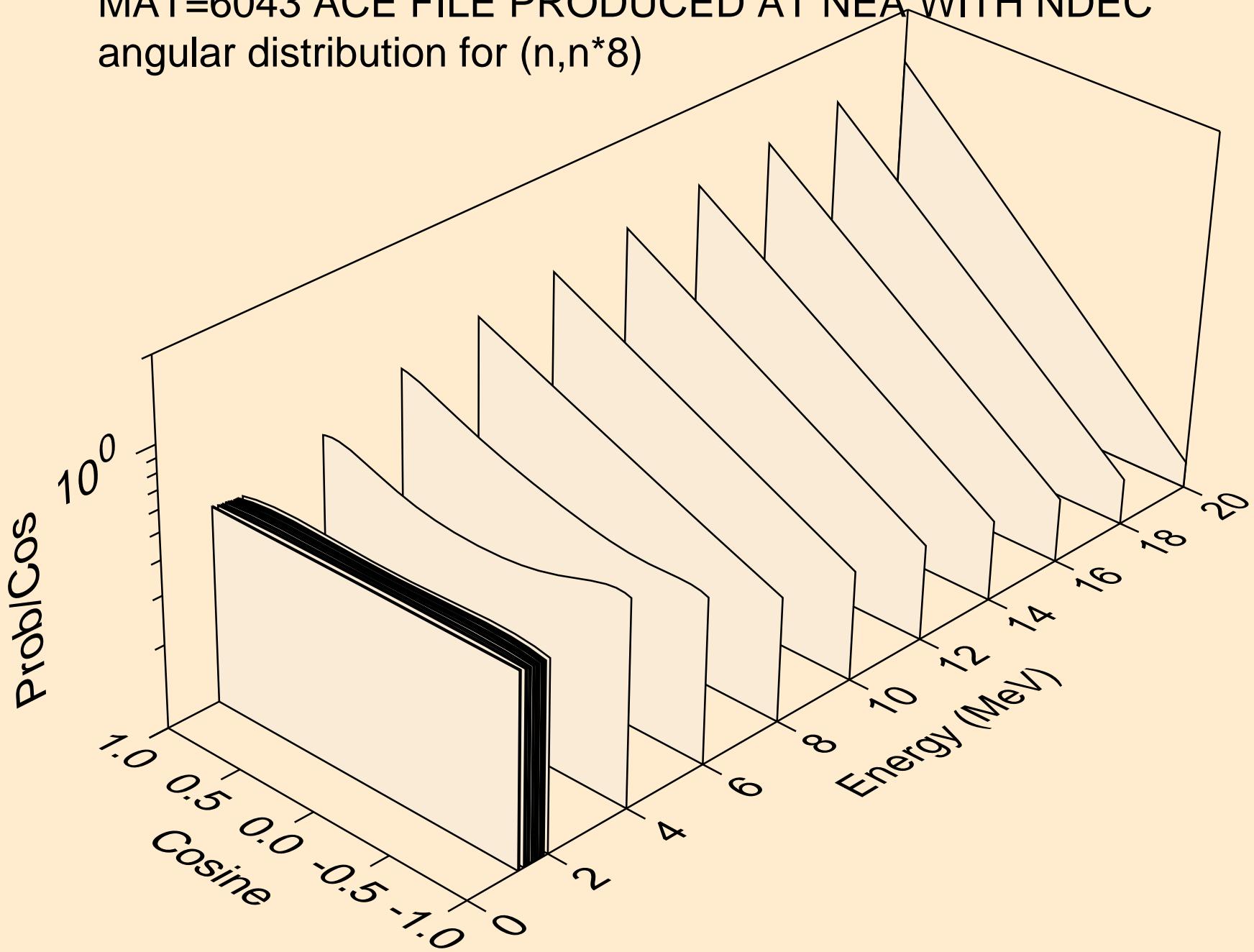
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angular distribution for  $(n,n^*6)$



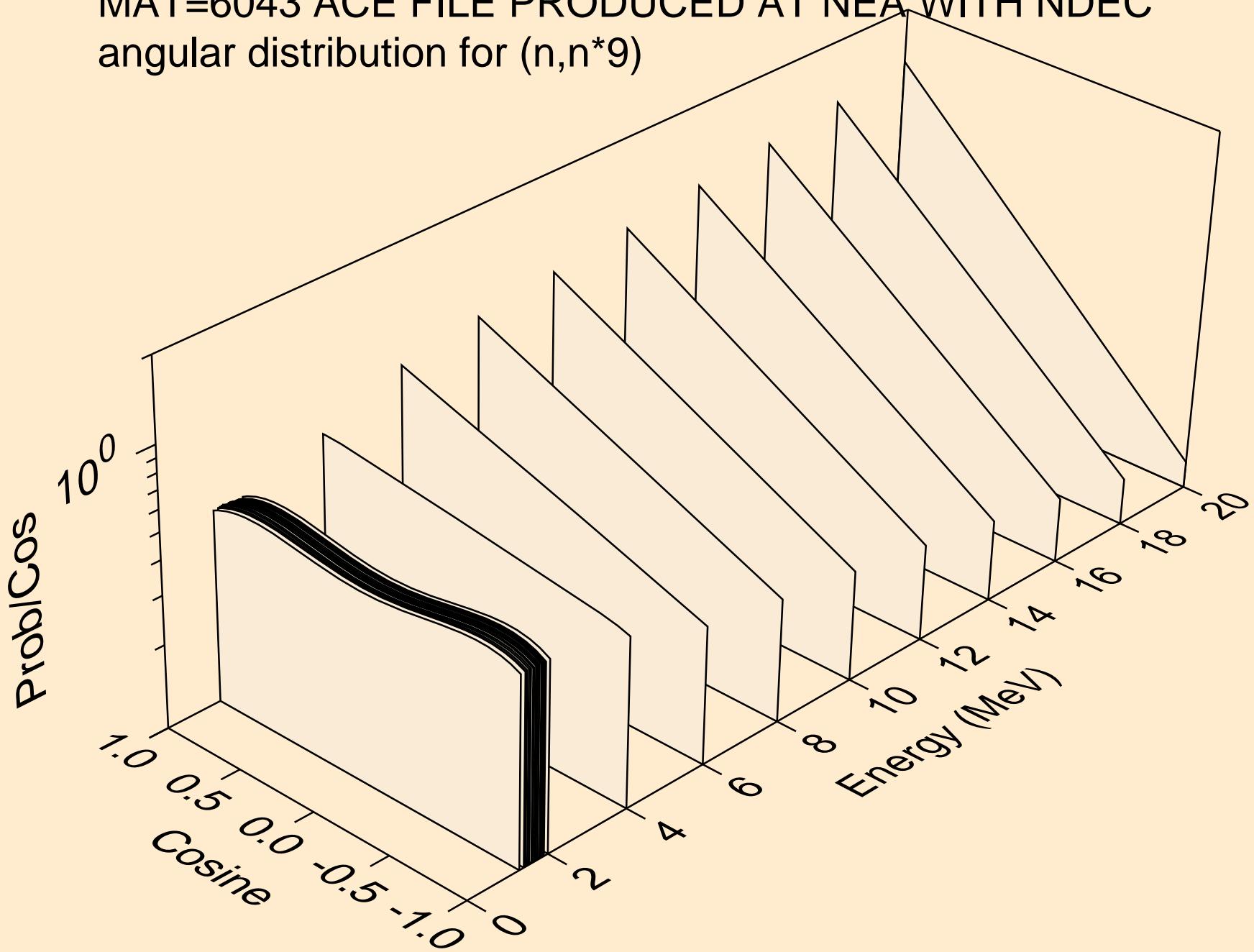
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angular distribution for (n,n\*7)



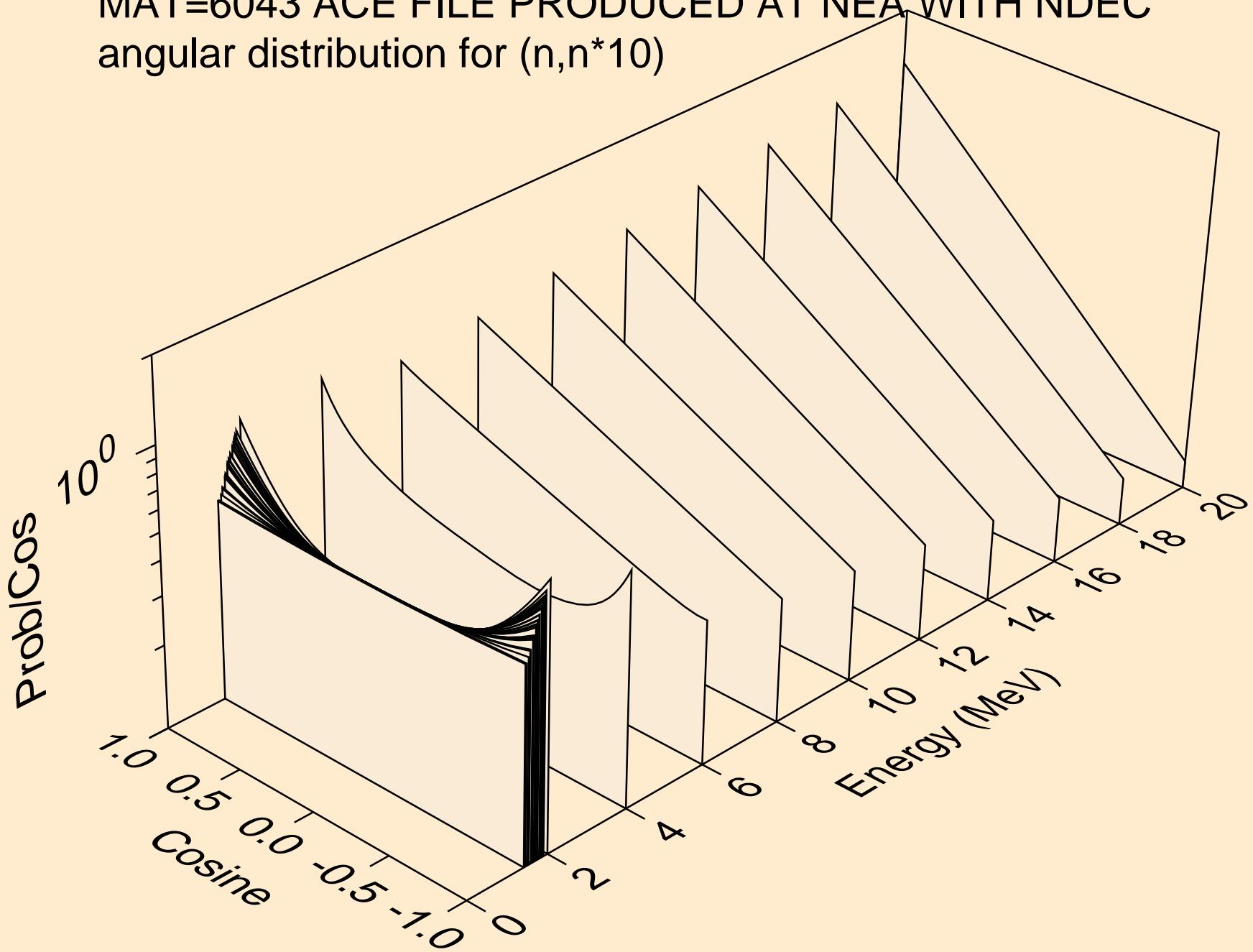
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angular distribution for (n,n\*8)



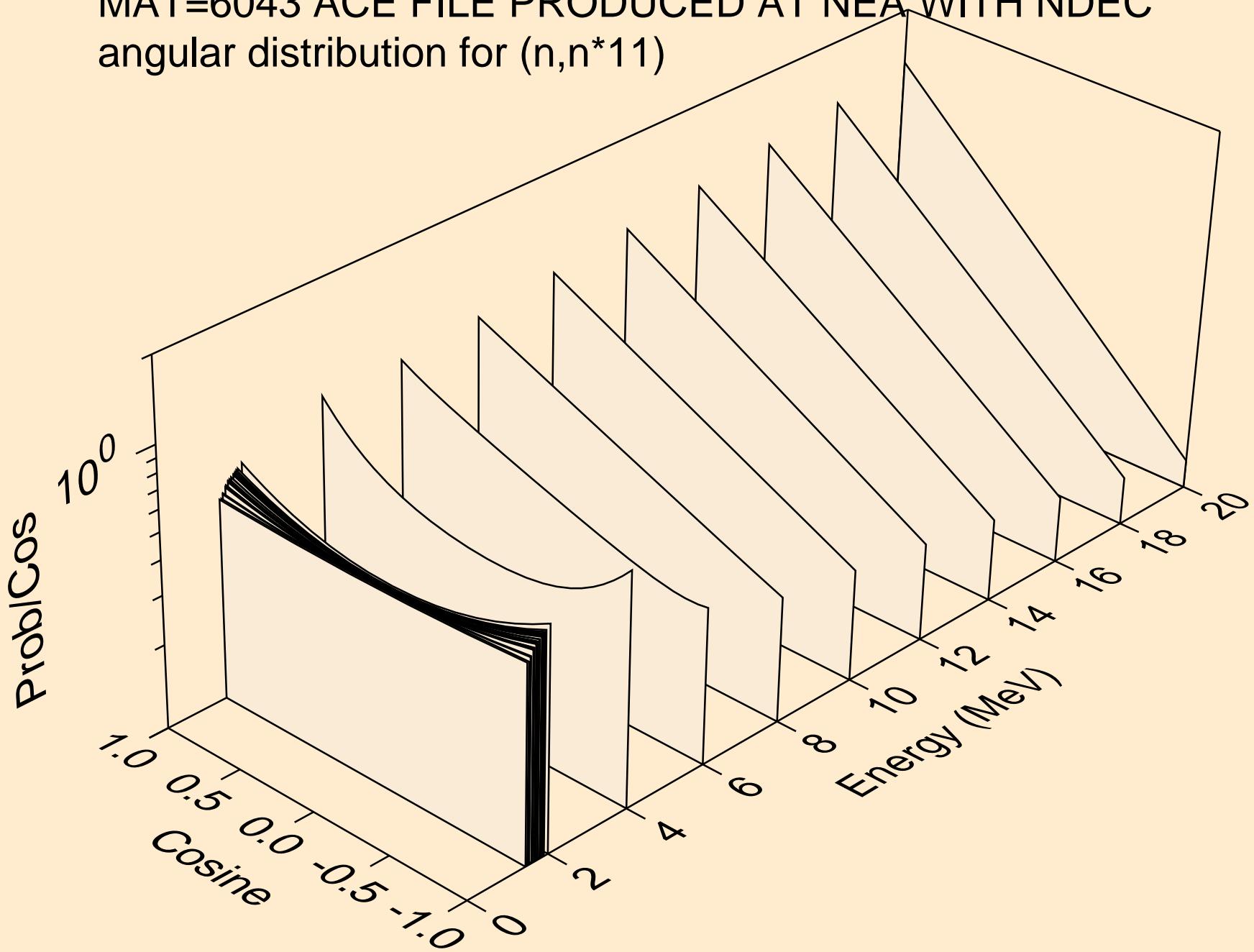
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angular distribution for (n,n\*9)



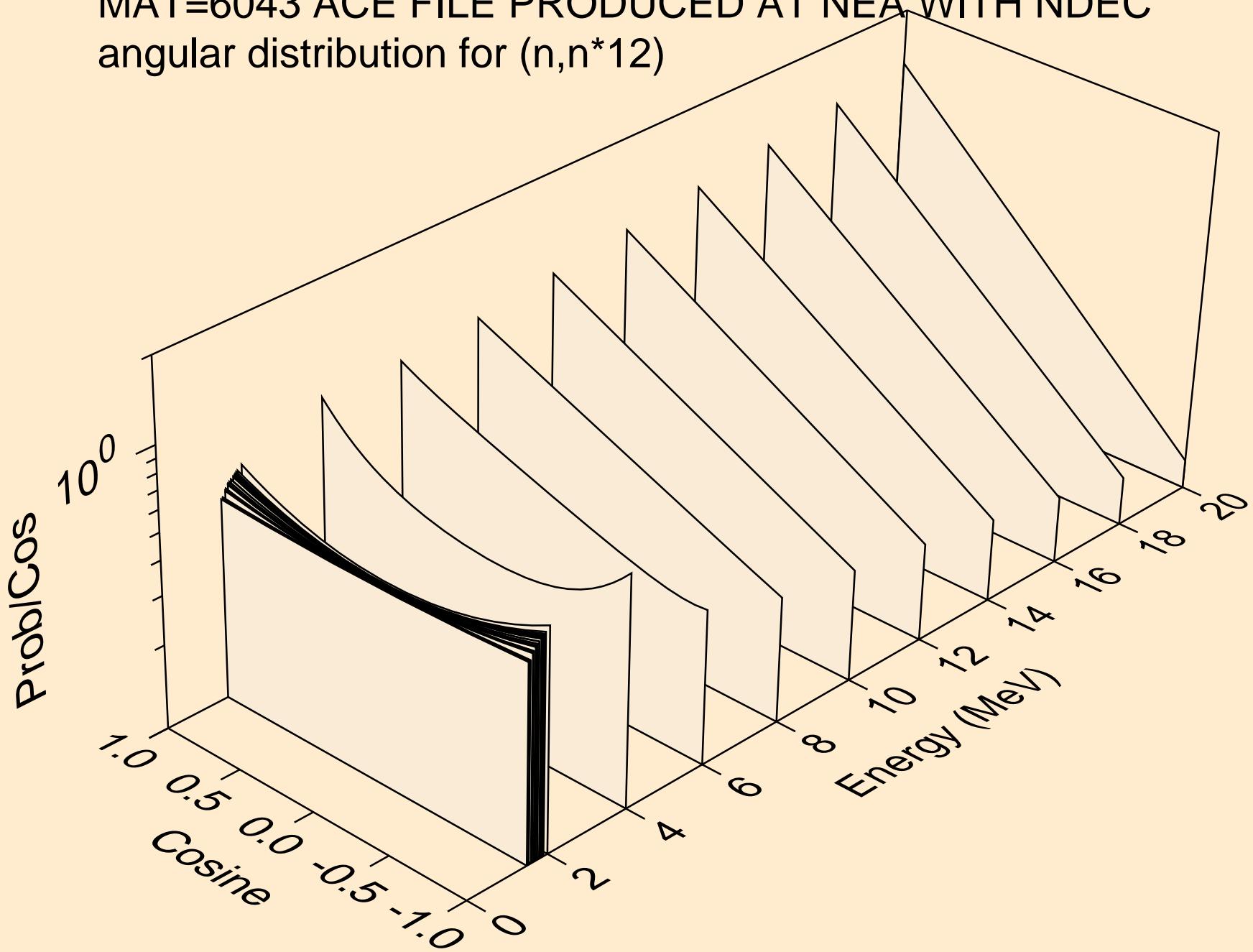
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angular distribution for (n,n\*10)



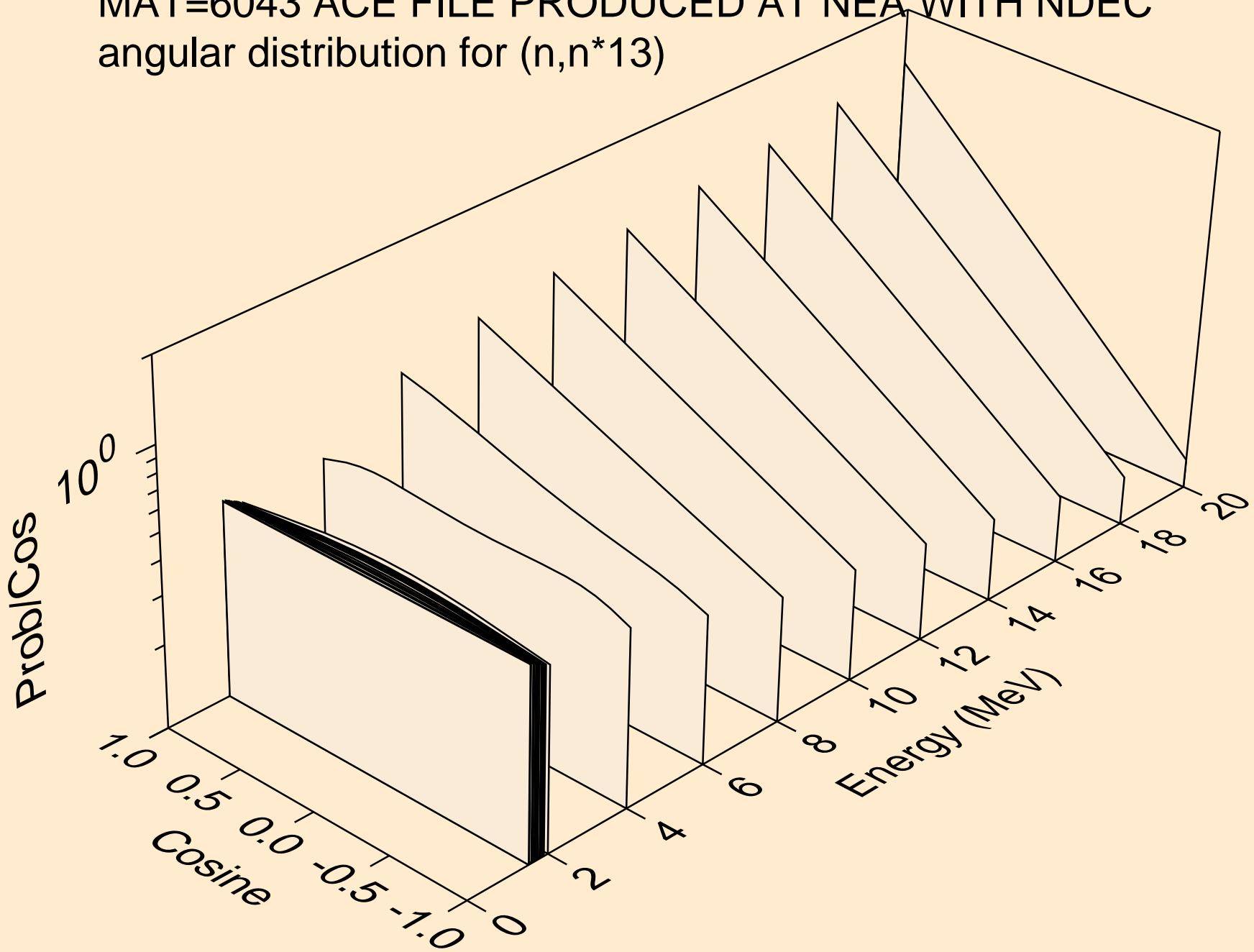
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angular distribution for (n,n\*11)



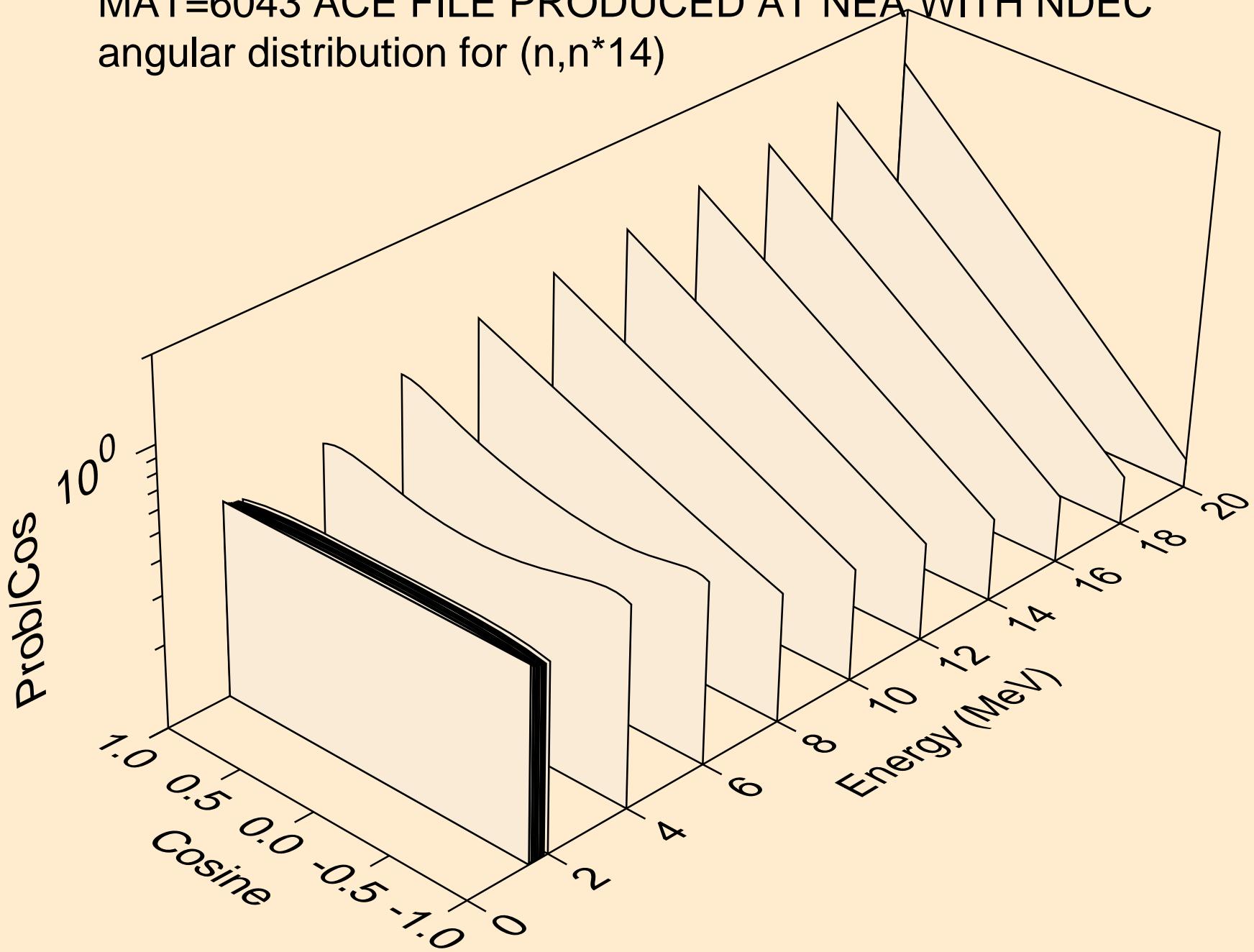
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angular distribution for (n,n\*12)



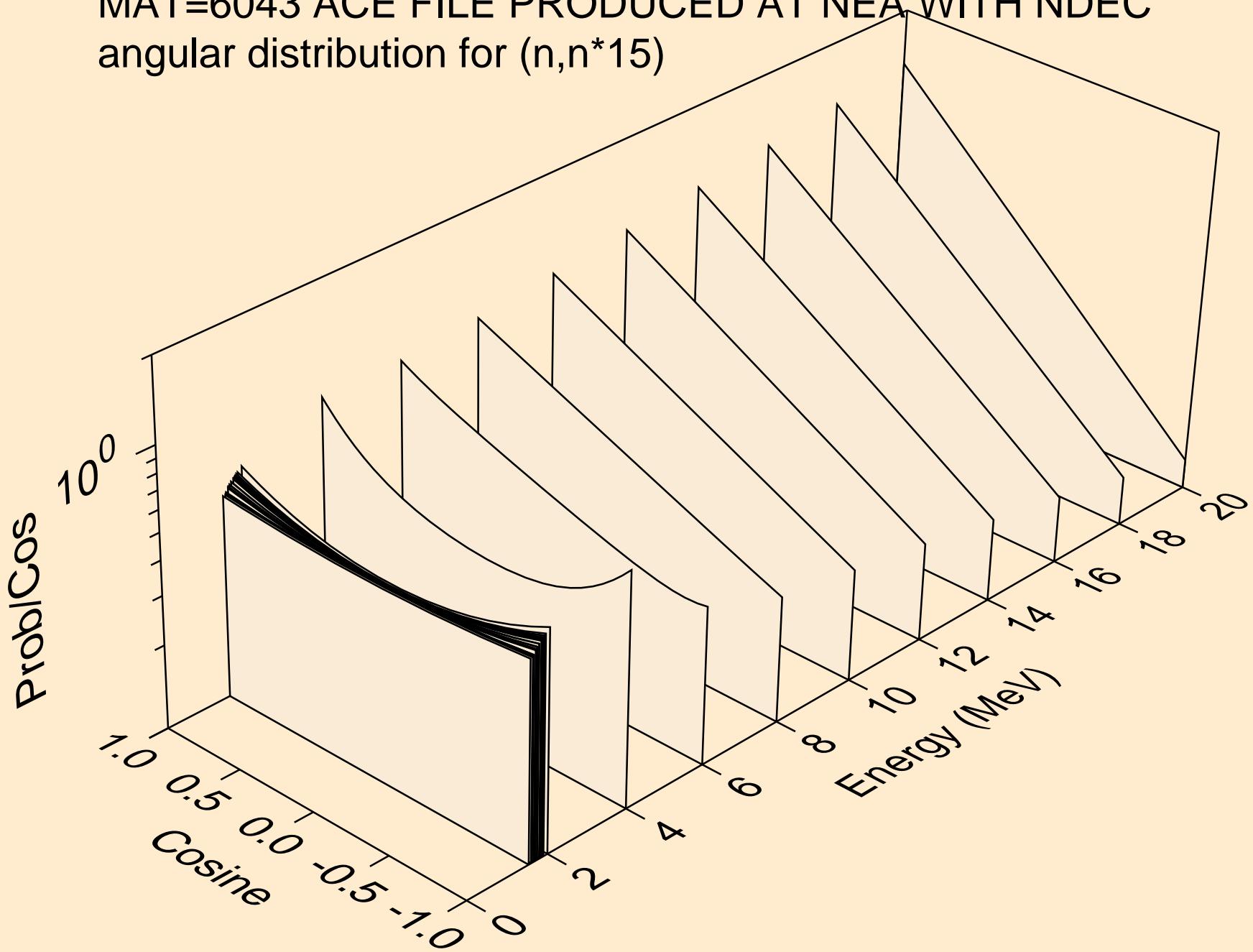
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angular distribution for (n,n\*13)



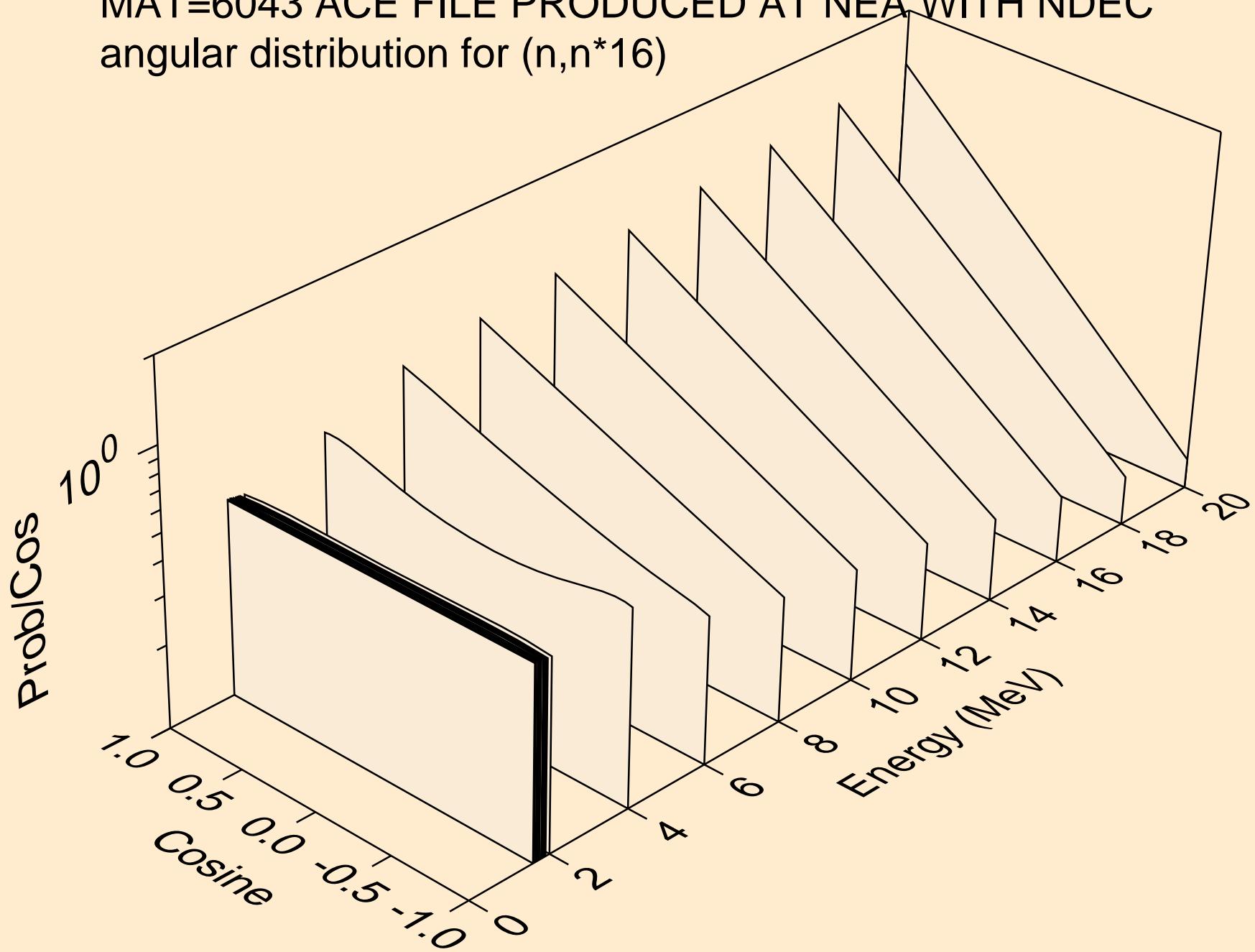
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angular distribution for (n,n\*14)



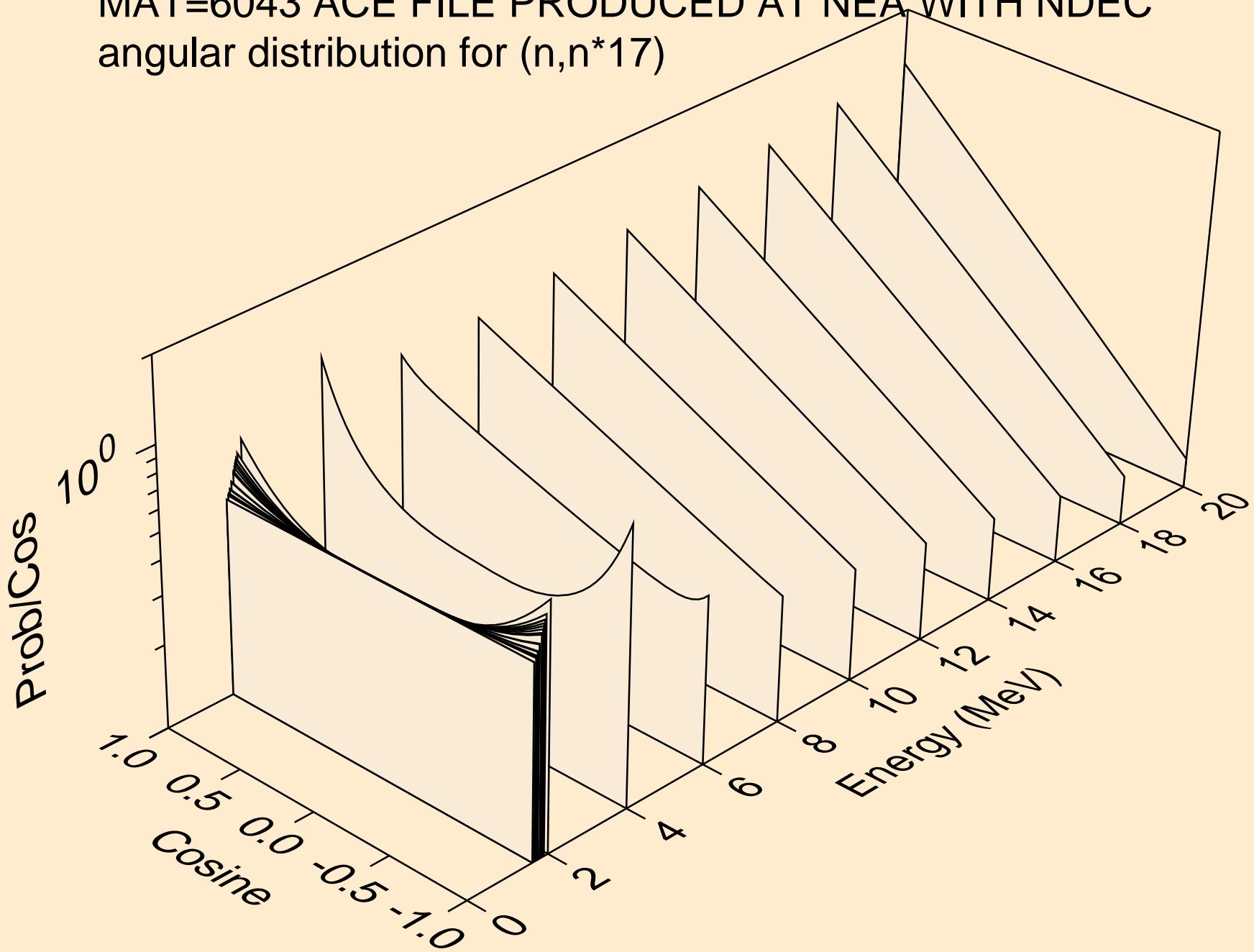
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angular distribution for (n,n\*15)



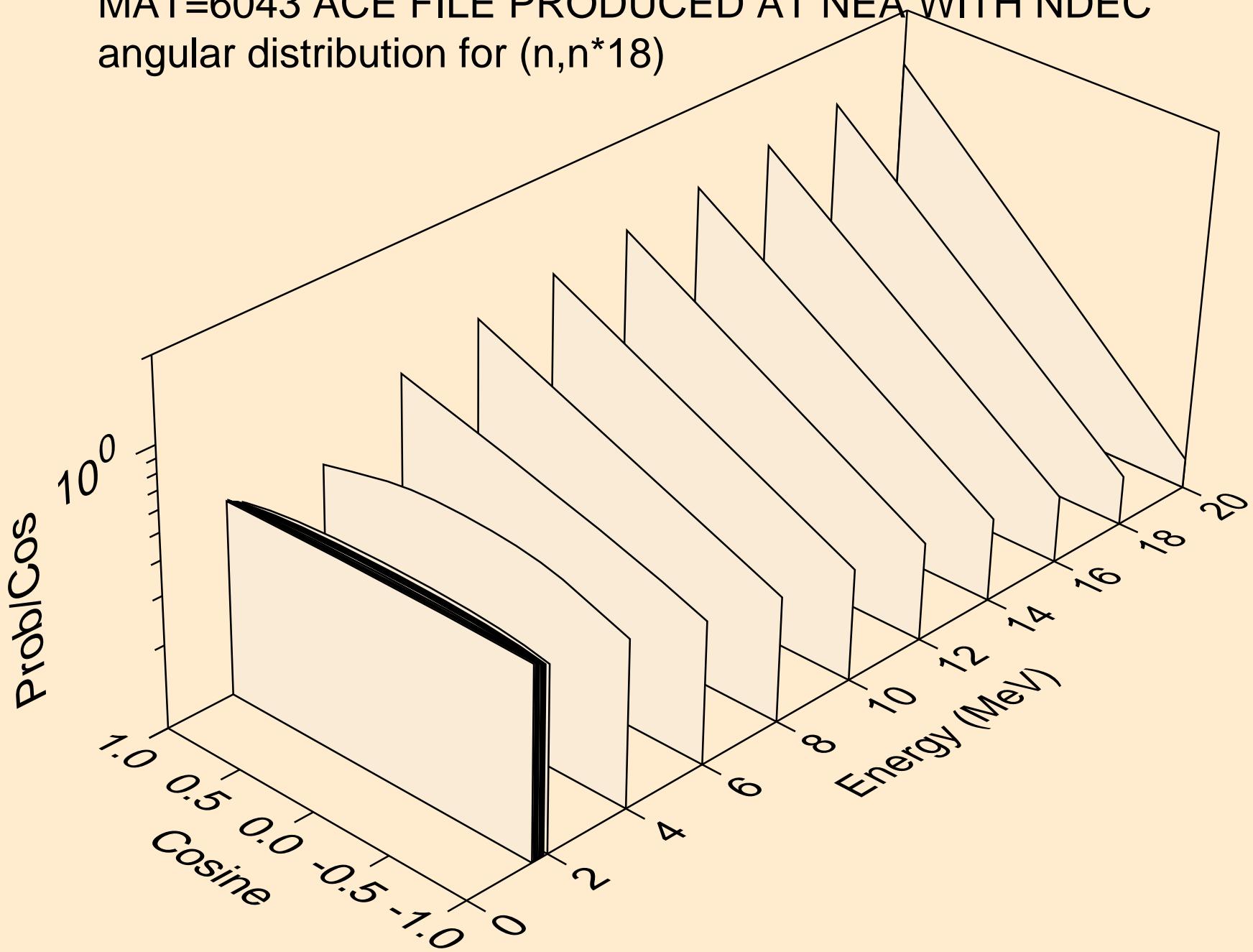
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angular distribution for (n,n\*16)



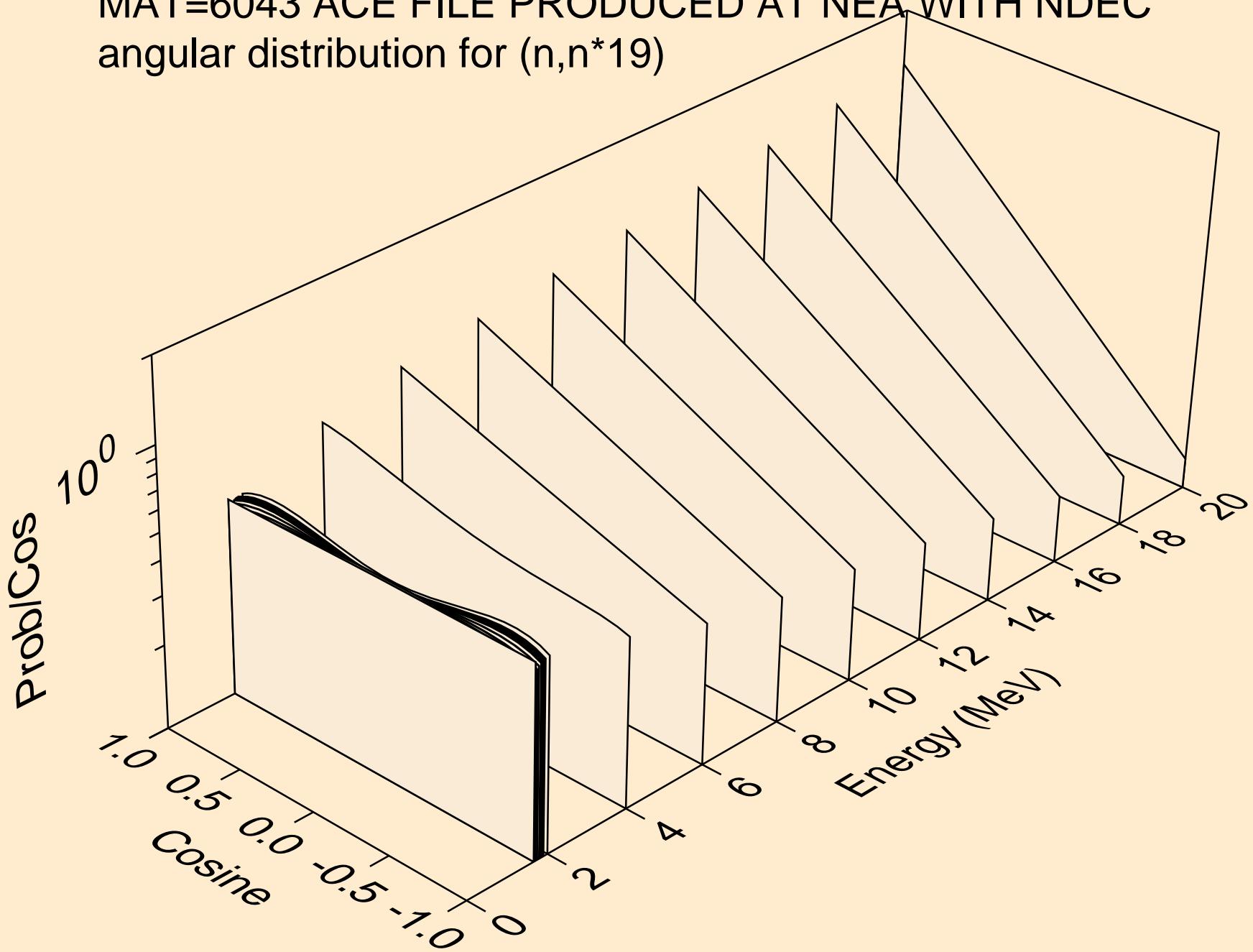
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angular distribution for (n,n\*17)



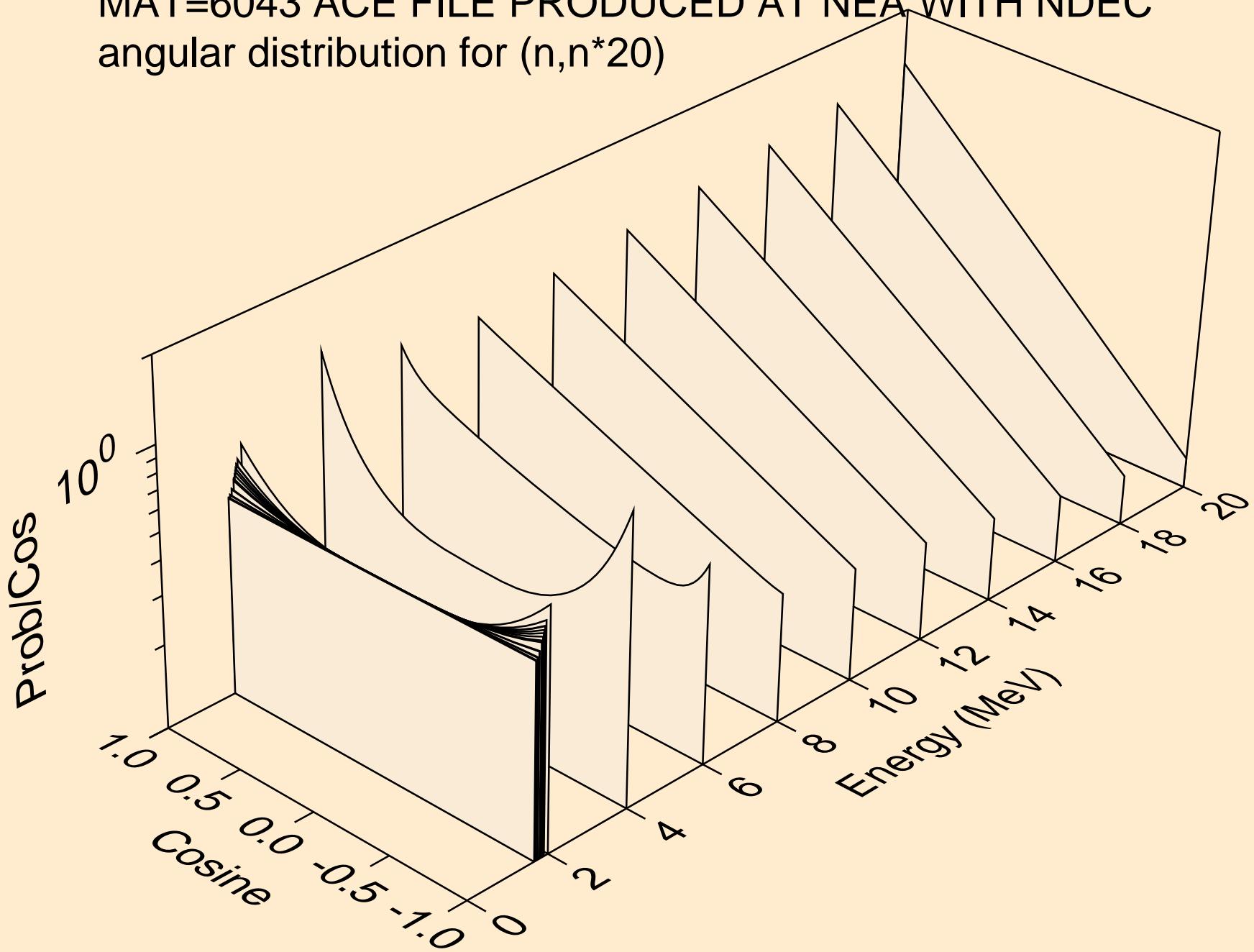
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angular distribution for (n,n\*18)



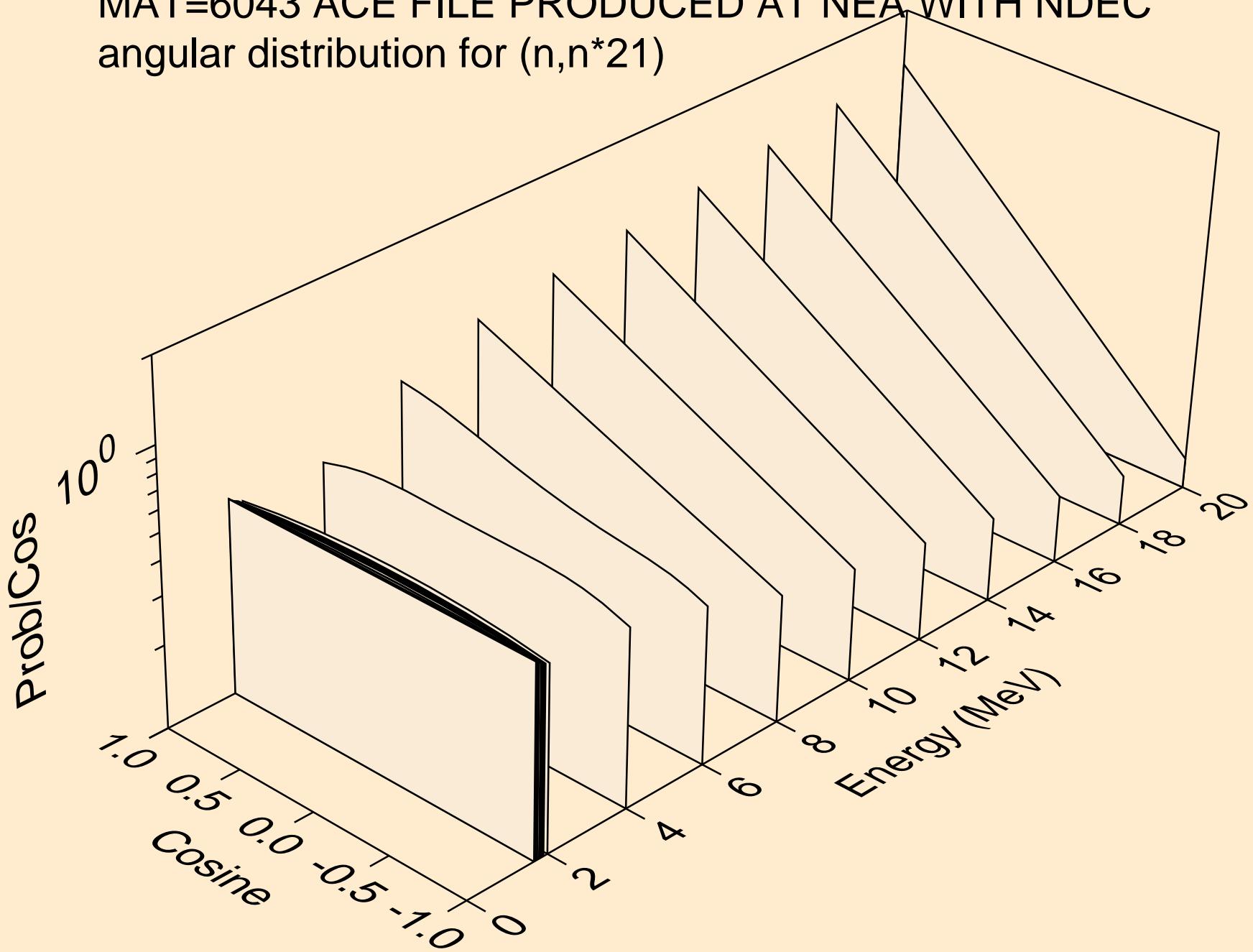
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angular distribution for (n,n\*19)



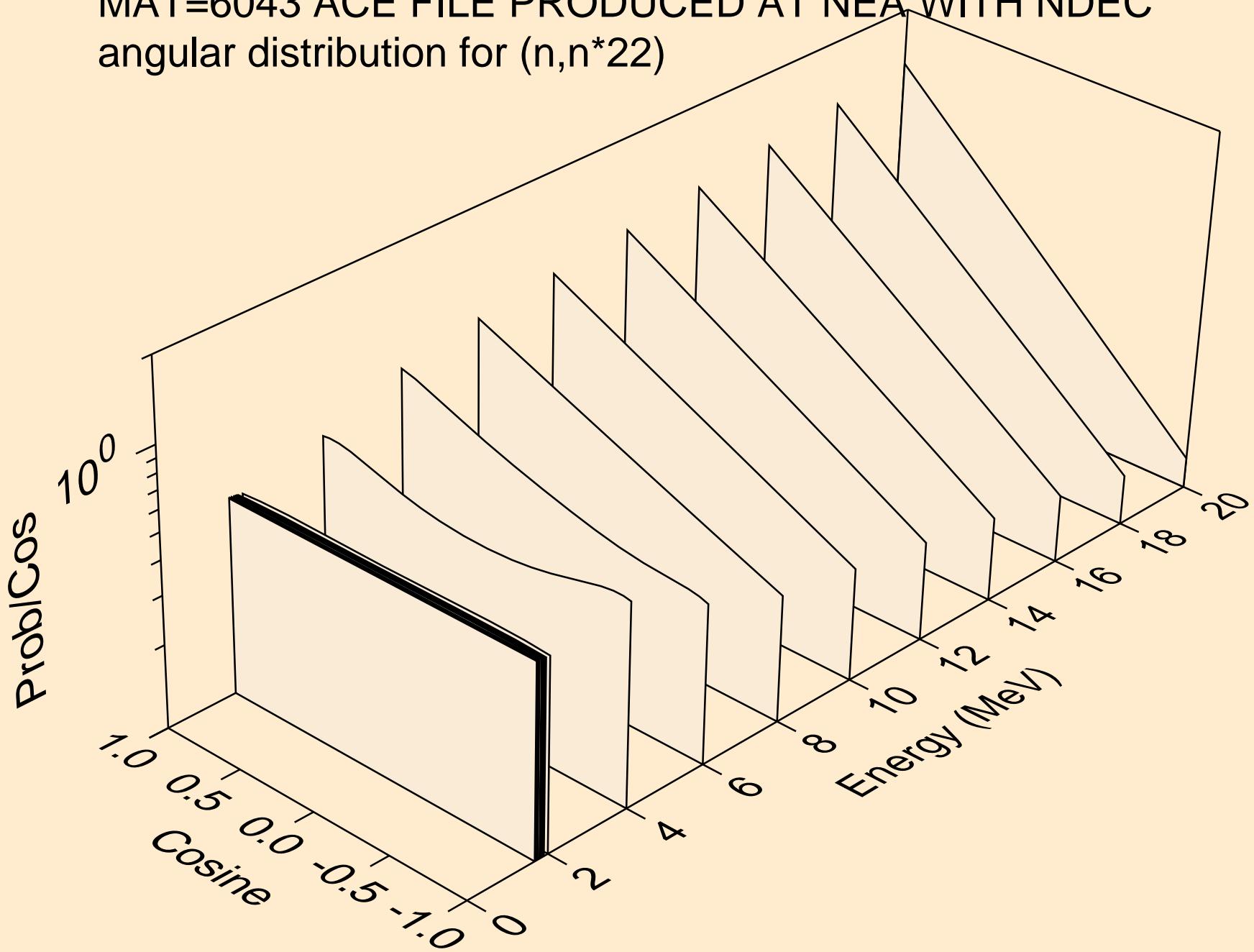
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angular distribution for (n,n\*20)



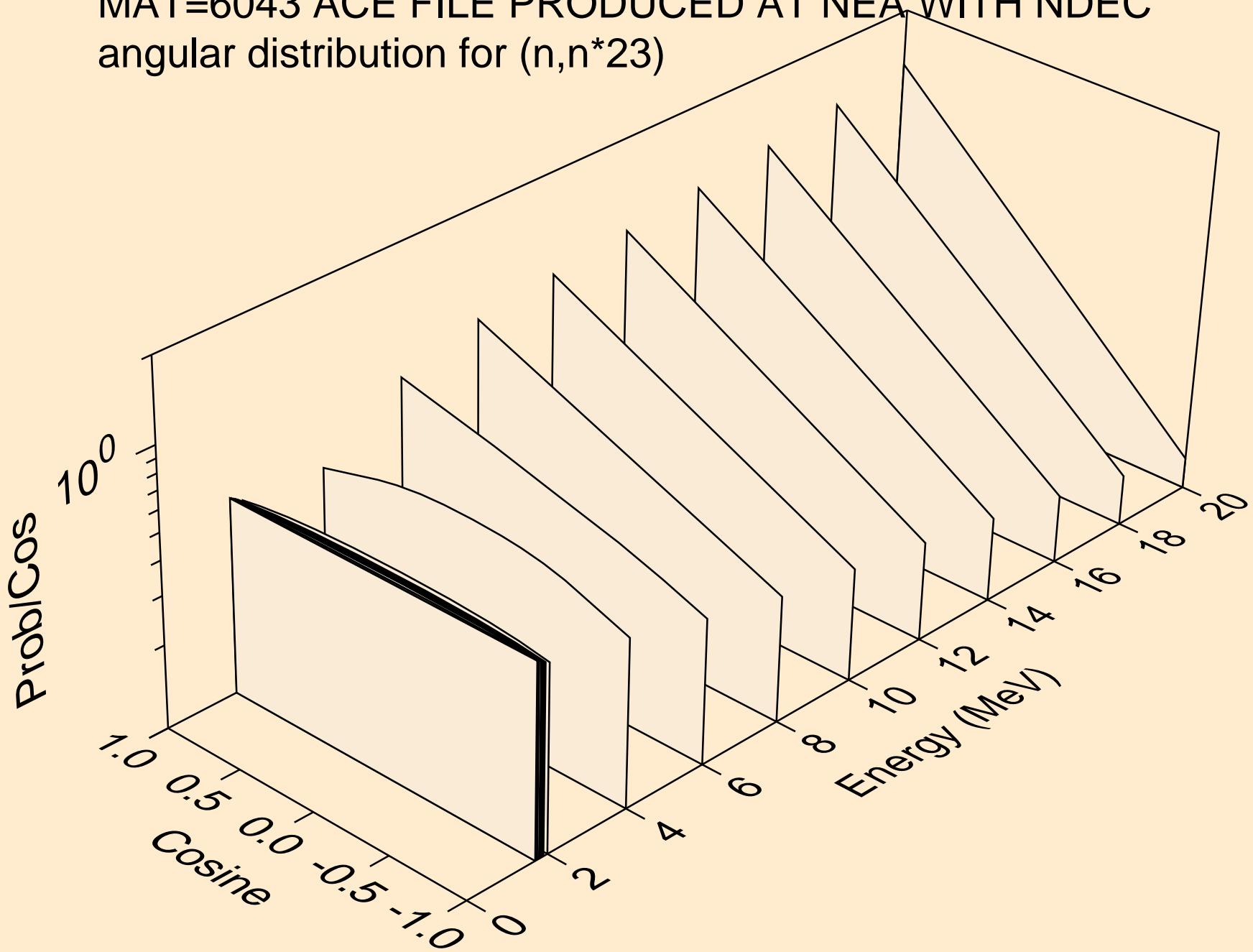
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angular distribution for (n,n\*21)



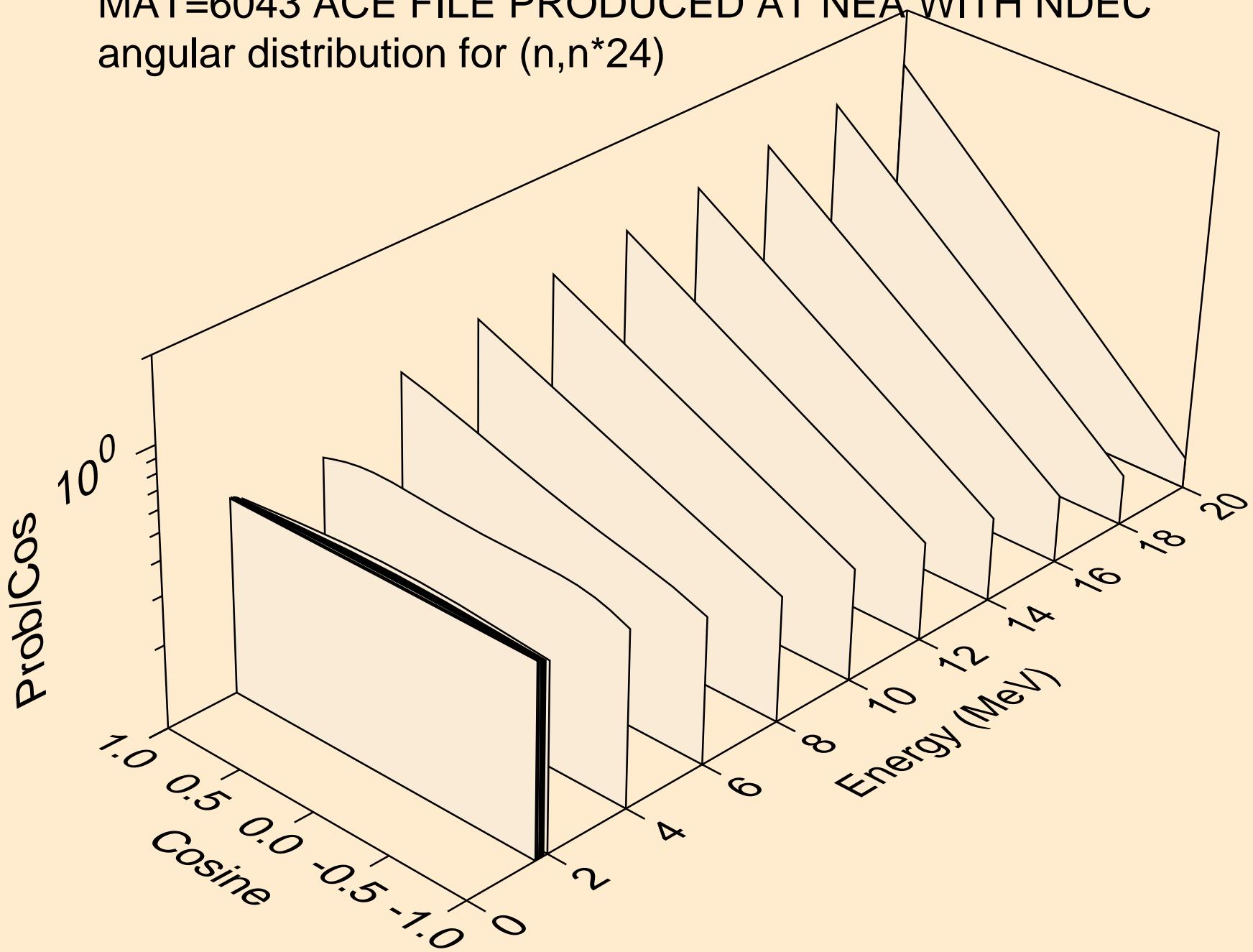
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angular distribution for (n,n\*22)



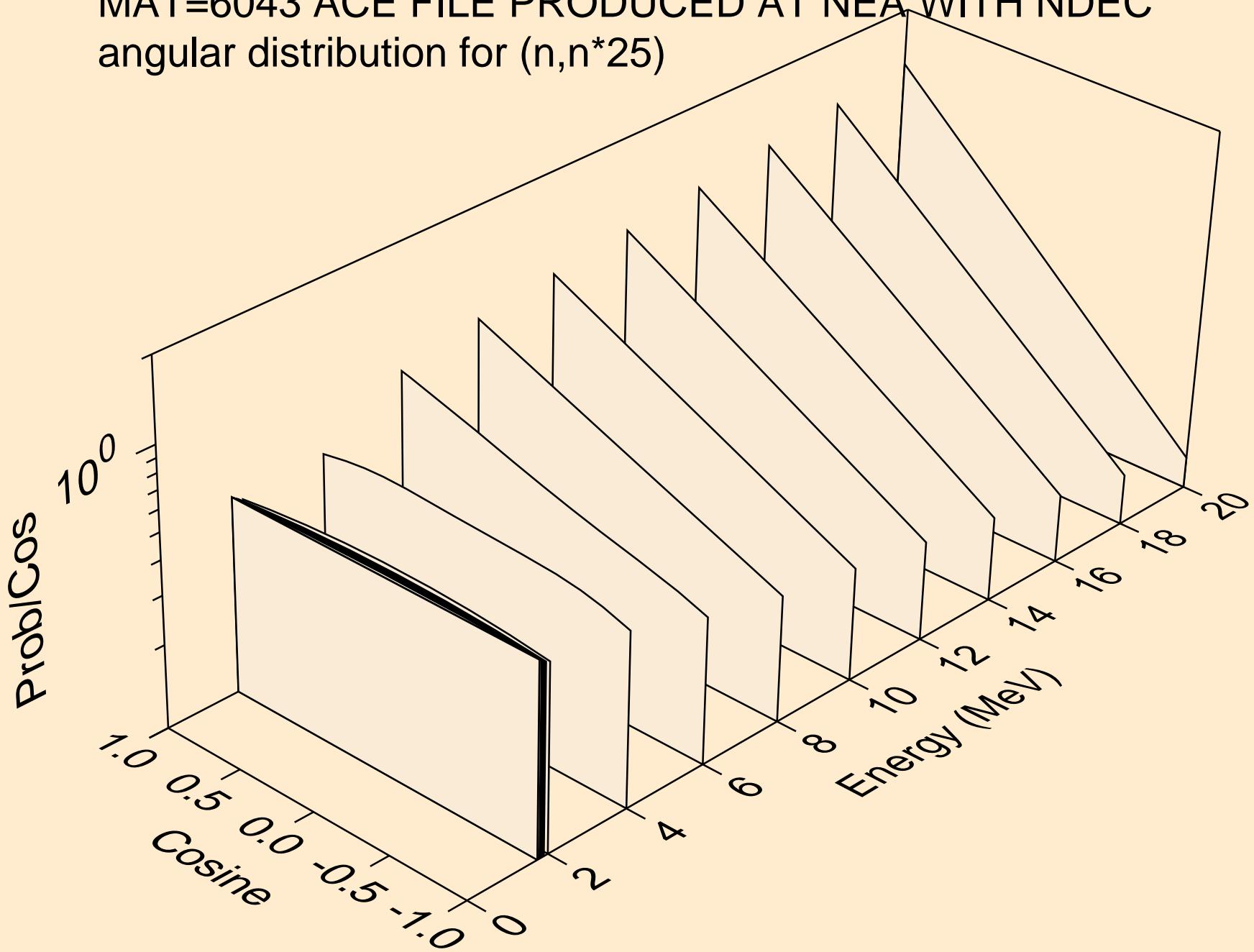
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angular distribution for (n,n\*23)



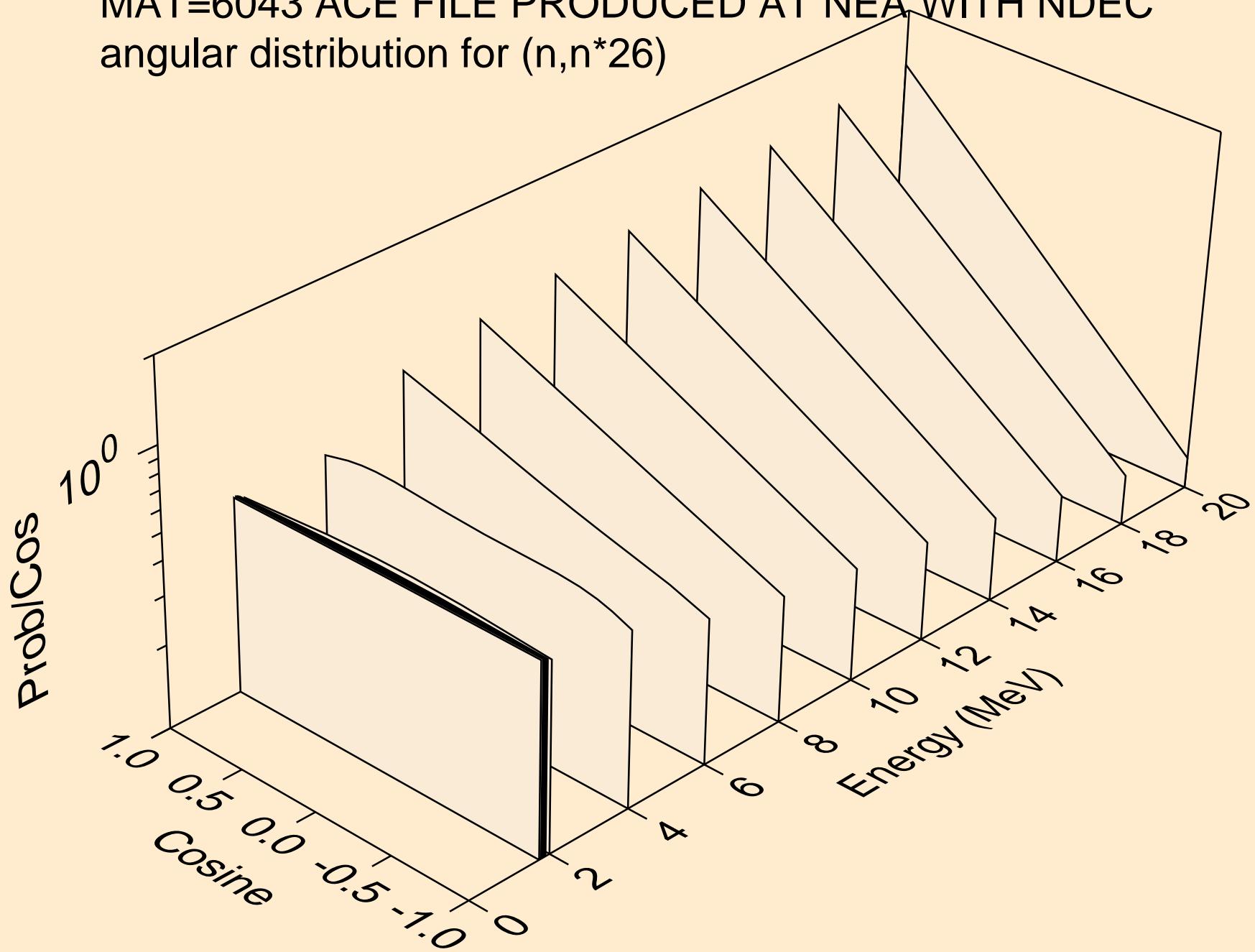
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*24)



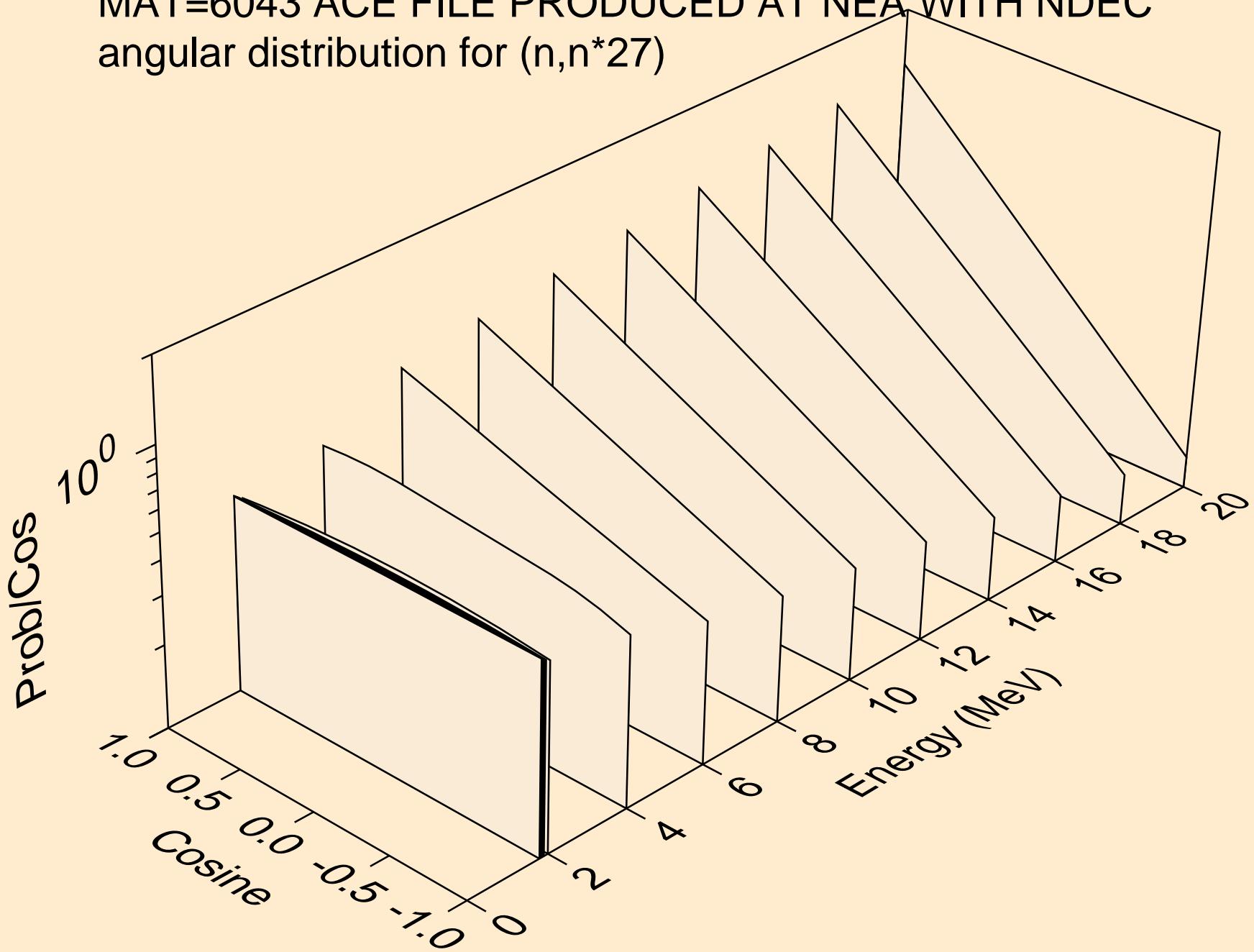
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*25)



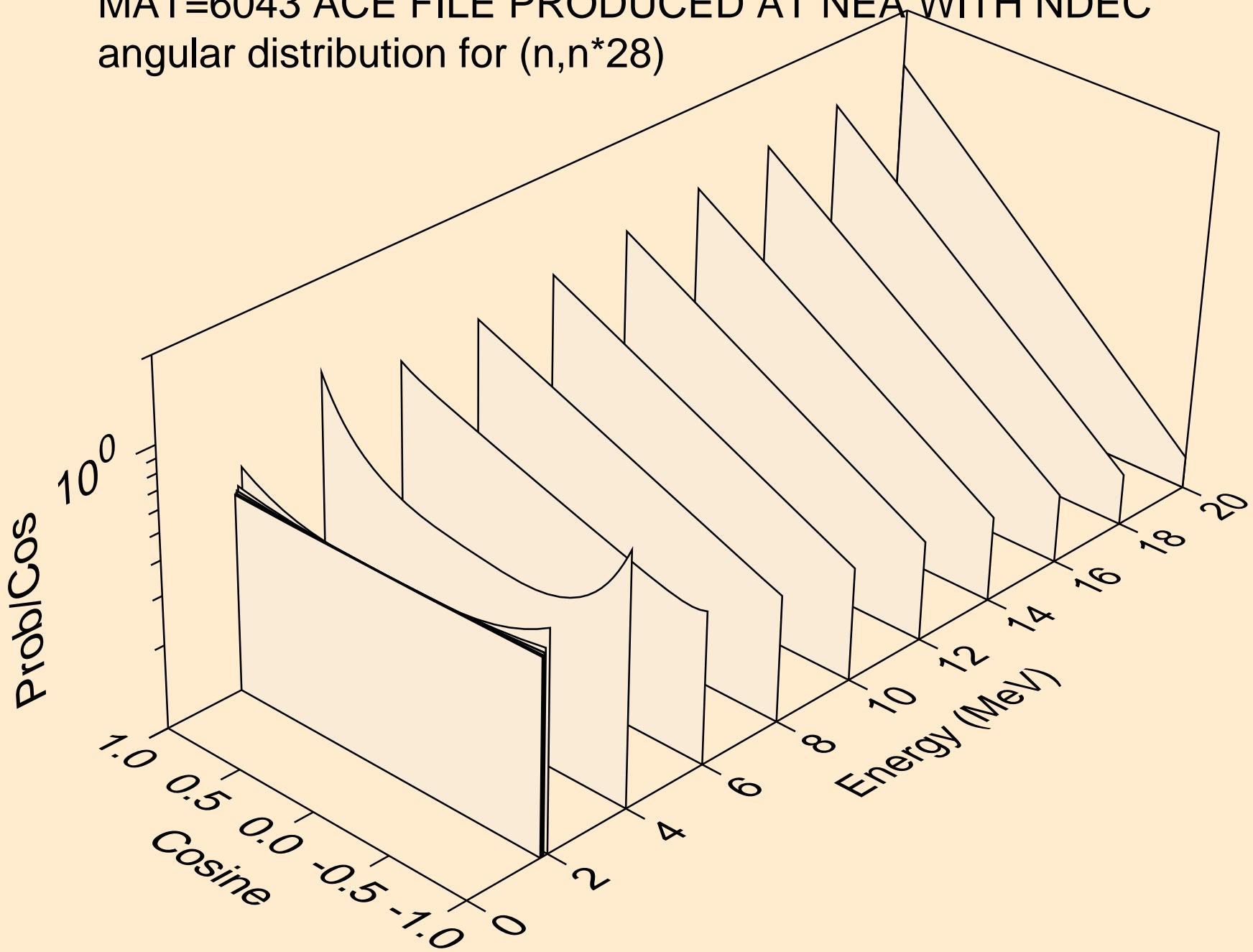
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*26)



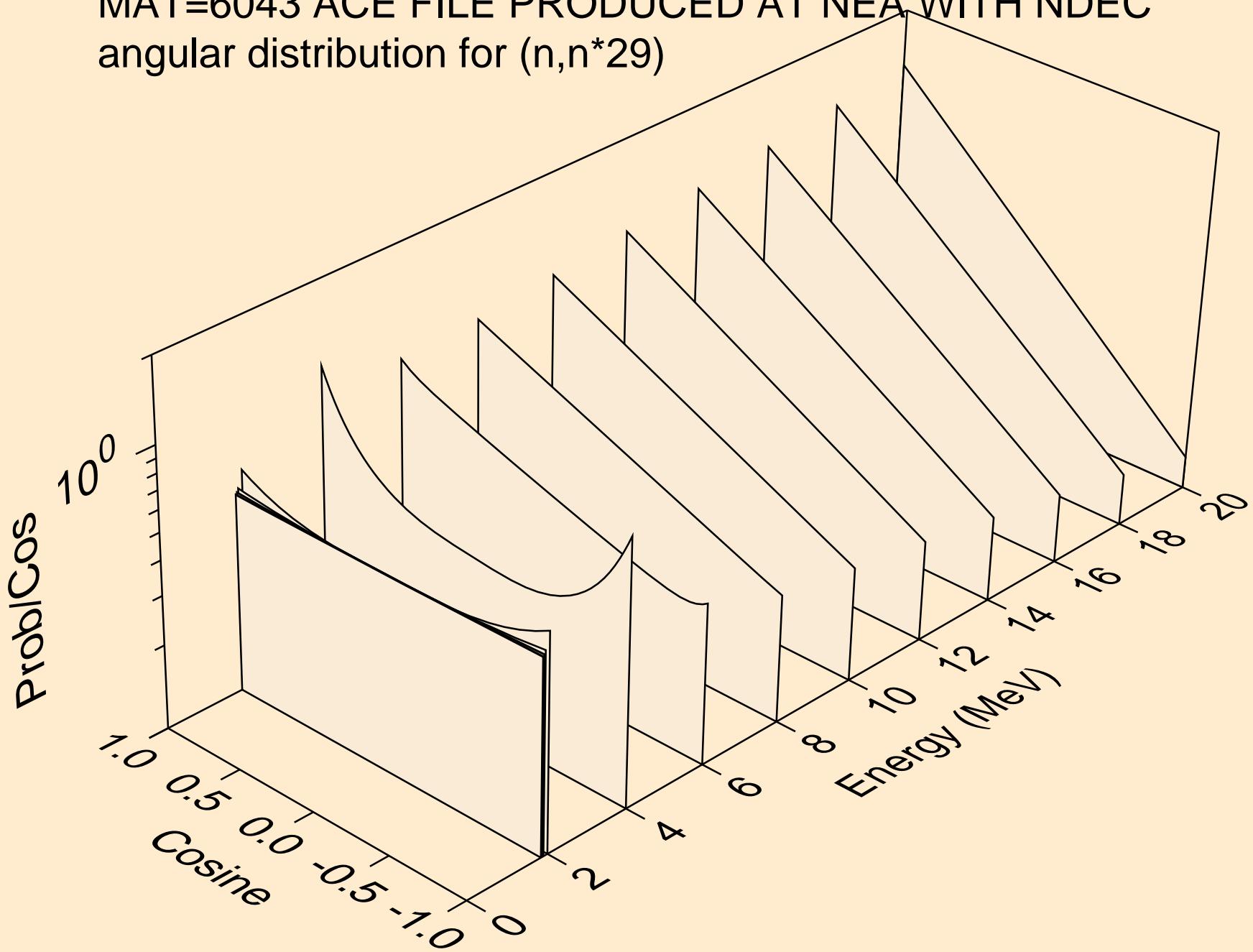
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*27)



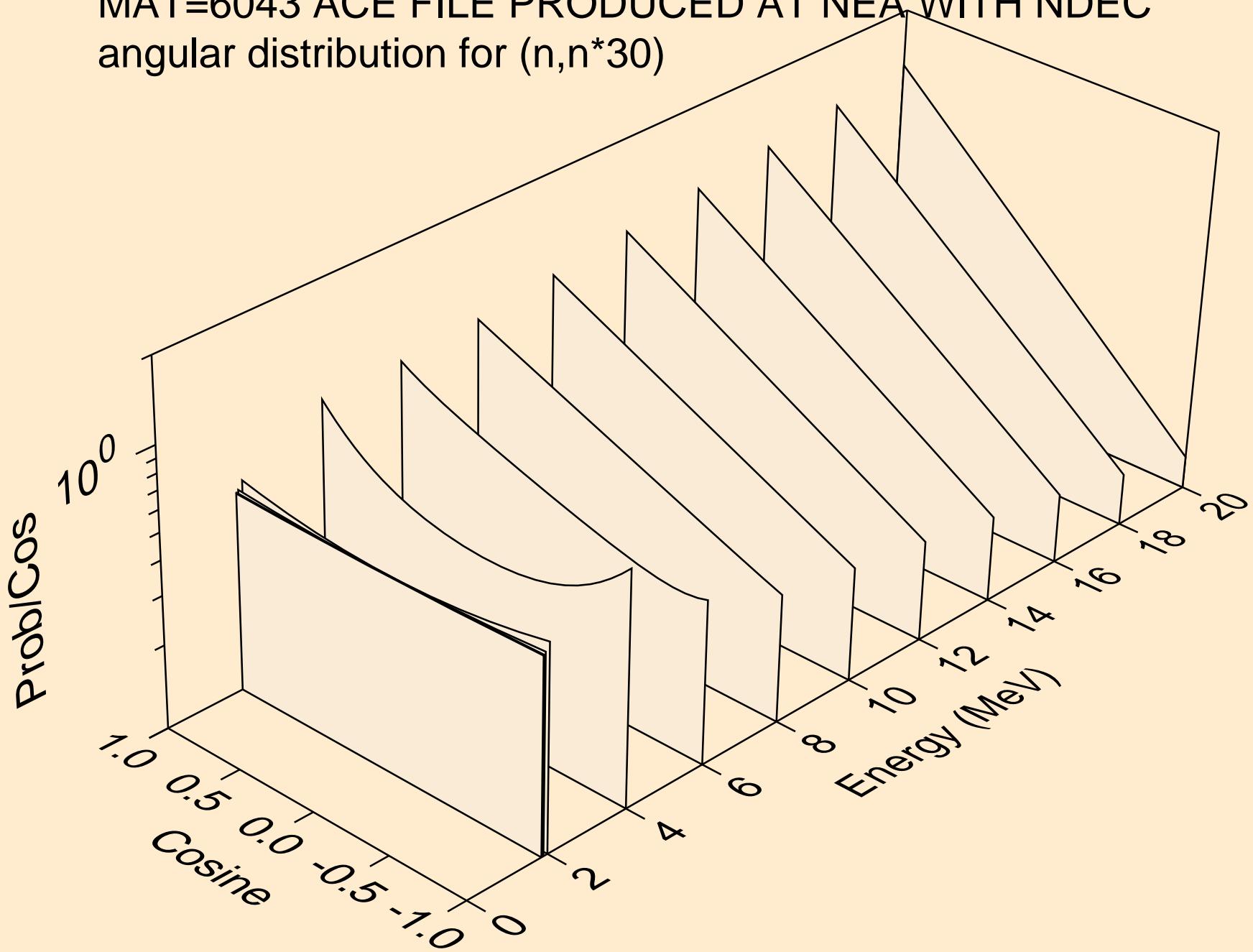
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angular distribution for (n,n\*28)



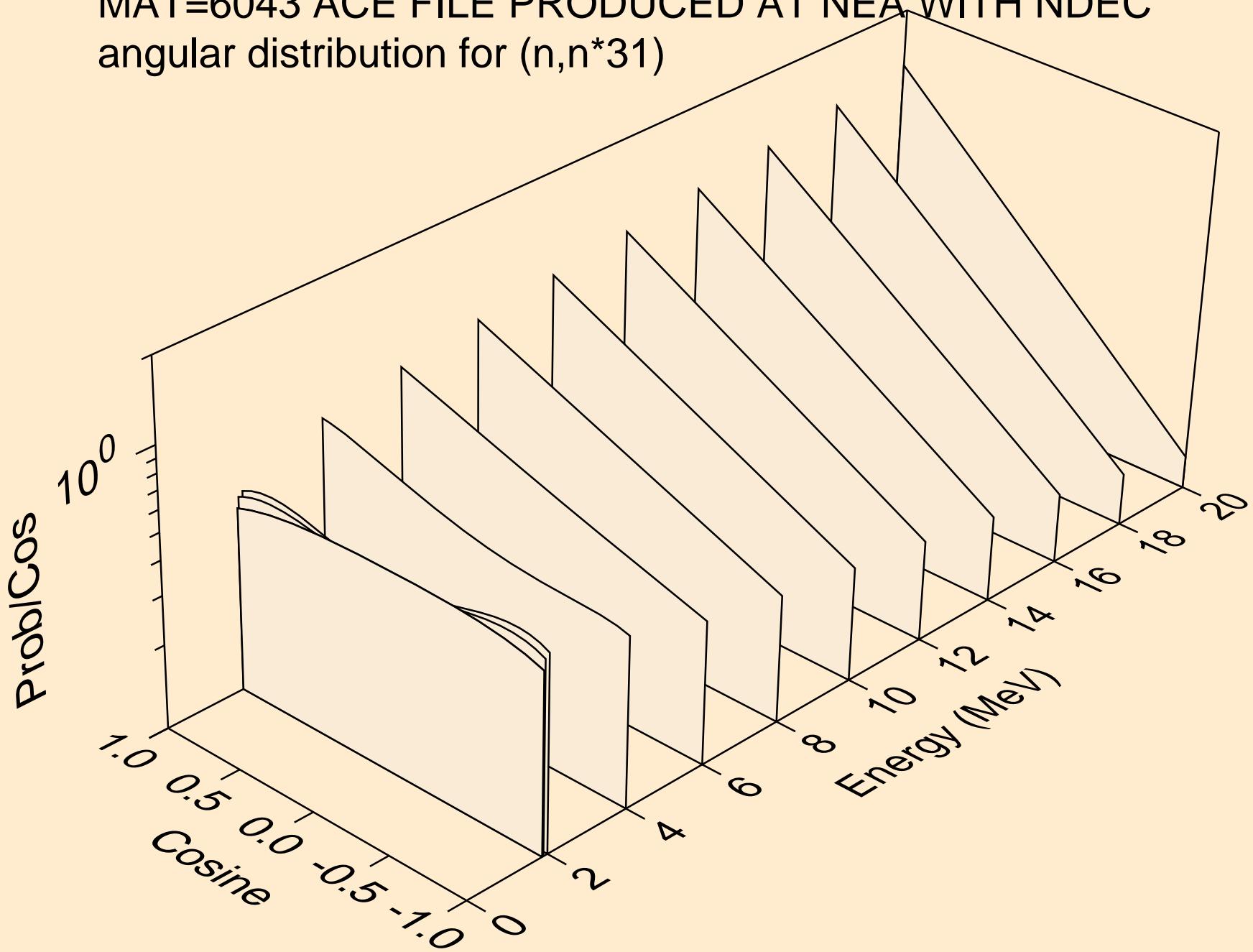
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*29)



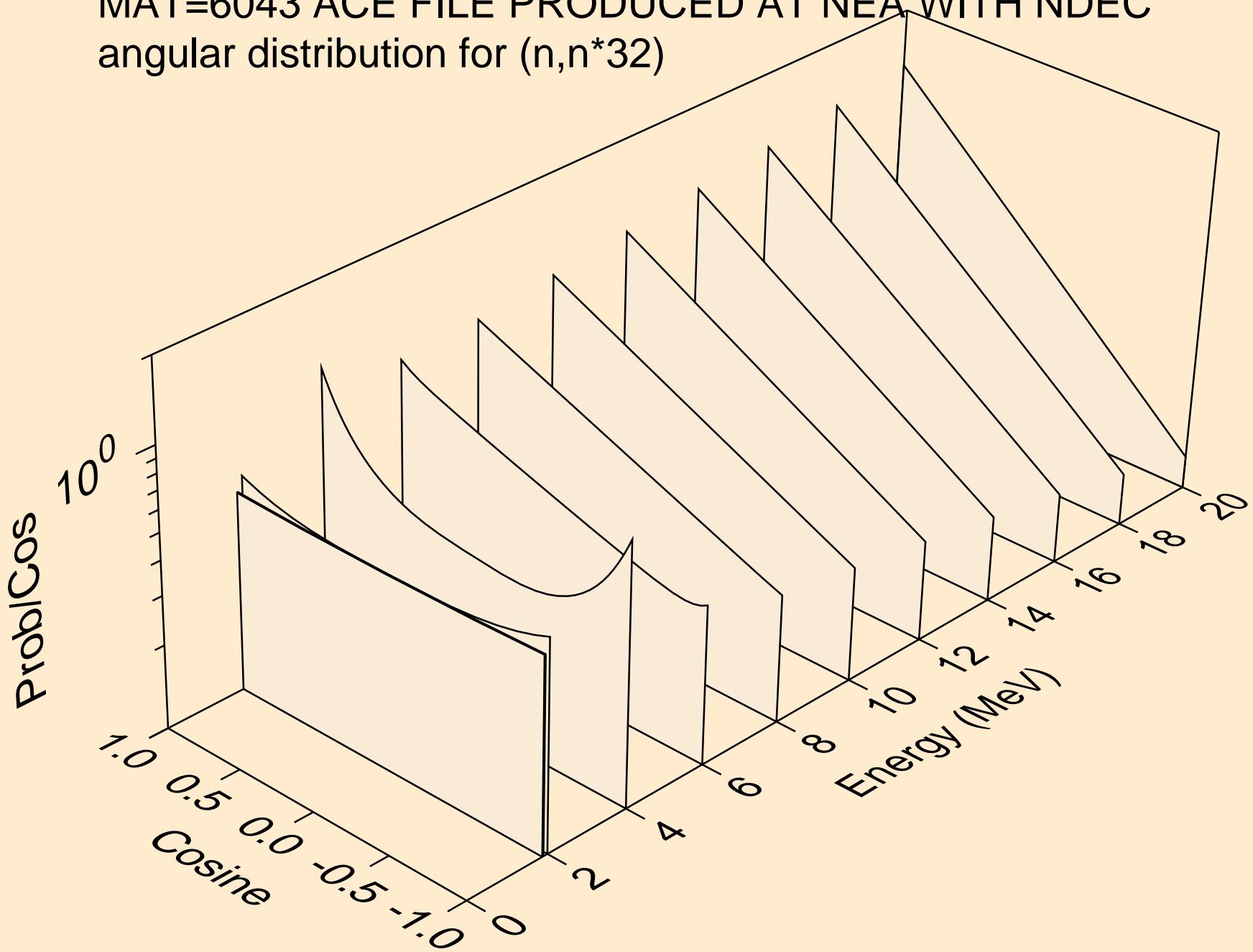
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angular distribution for (n,n\*30)



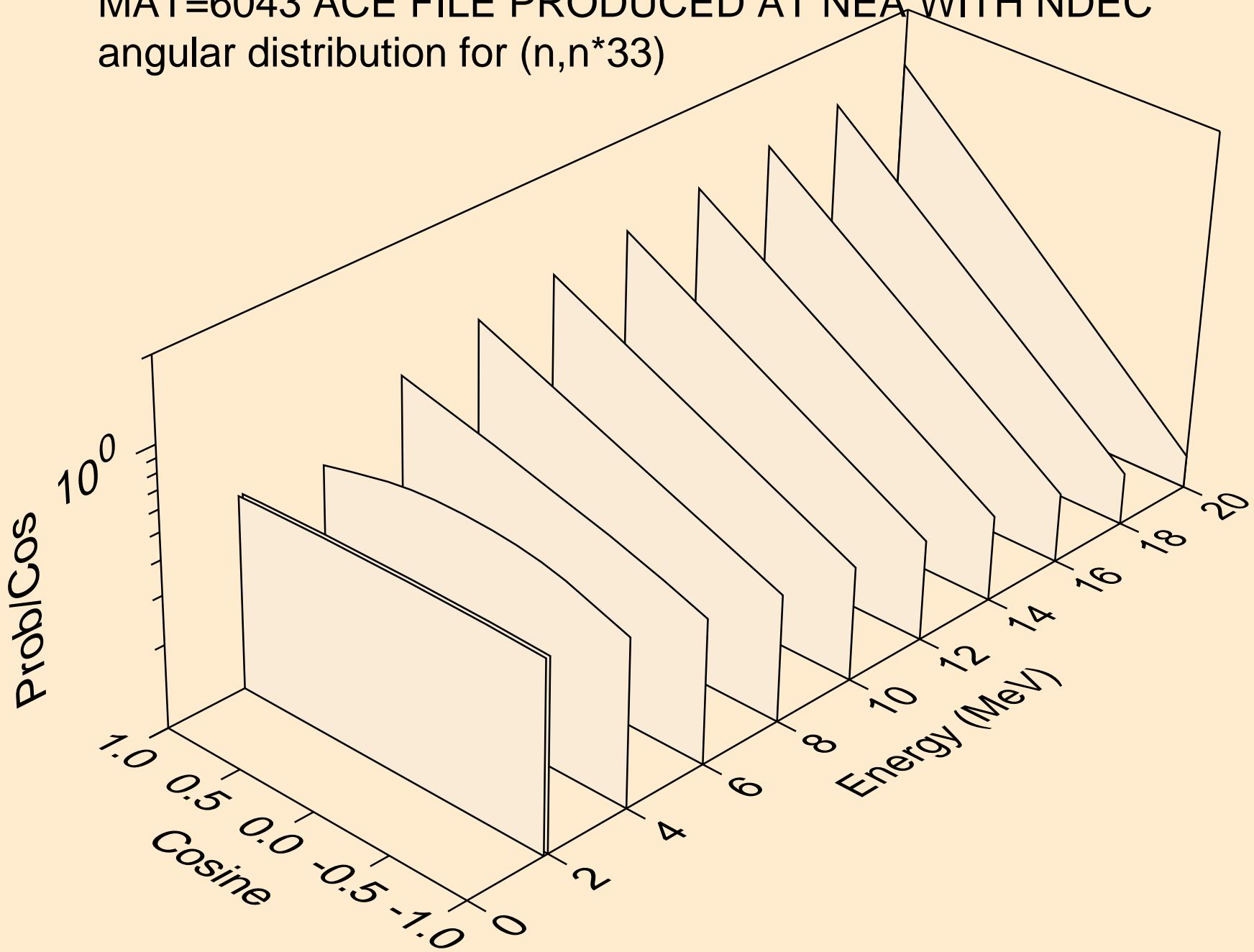
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*31)



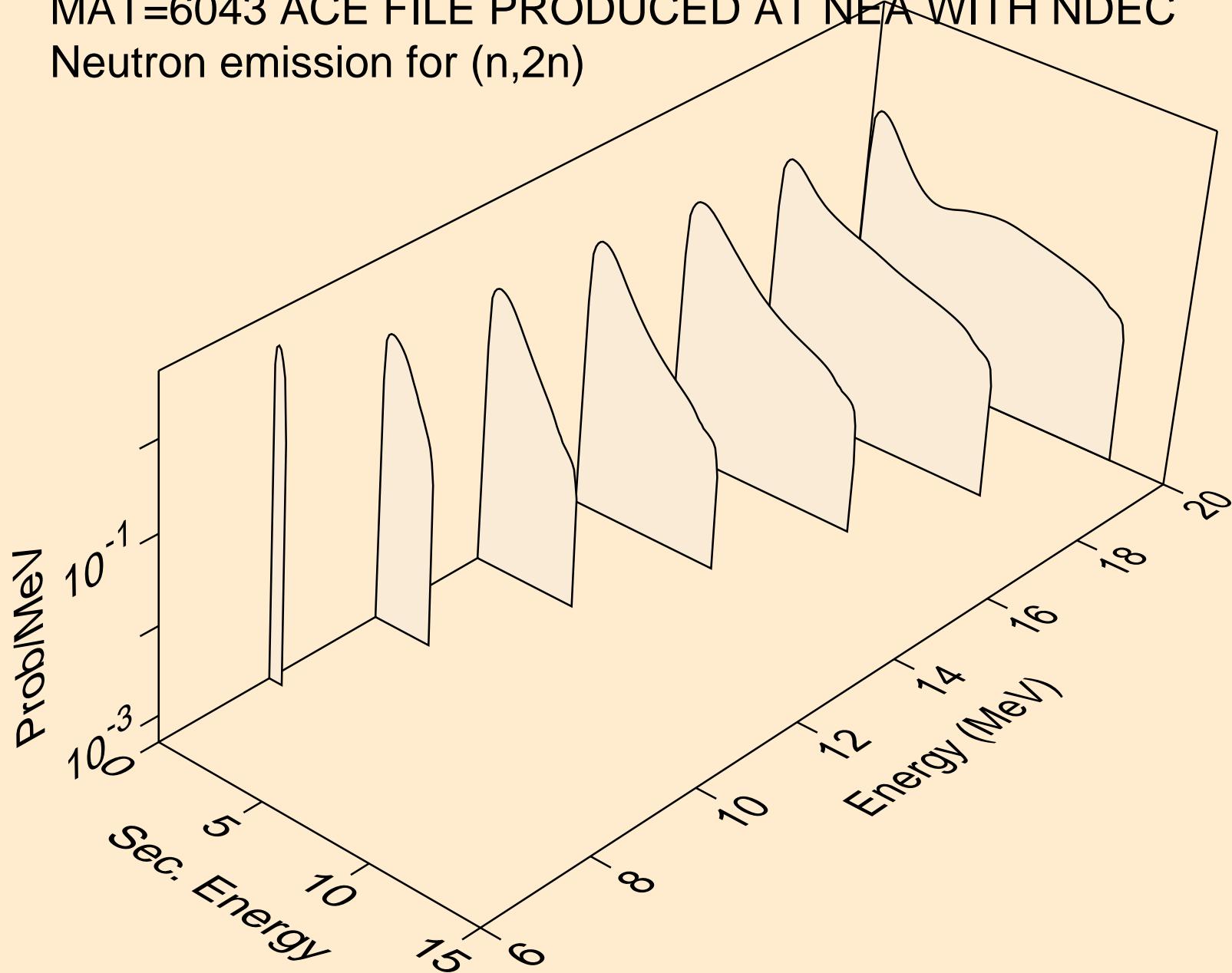
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*32)



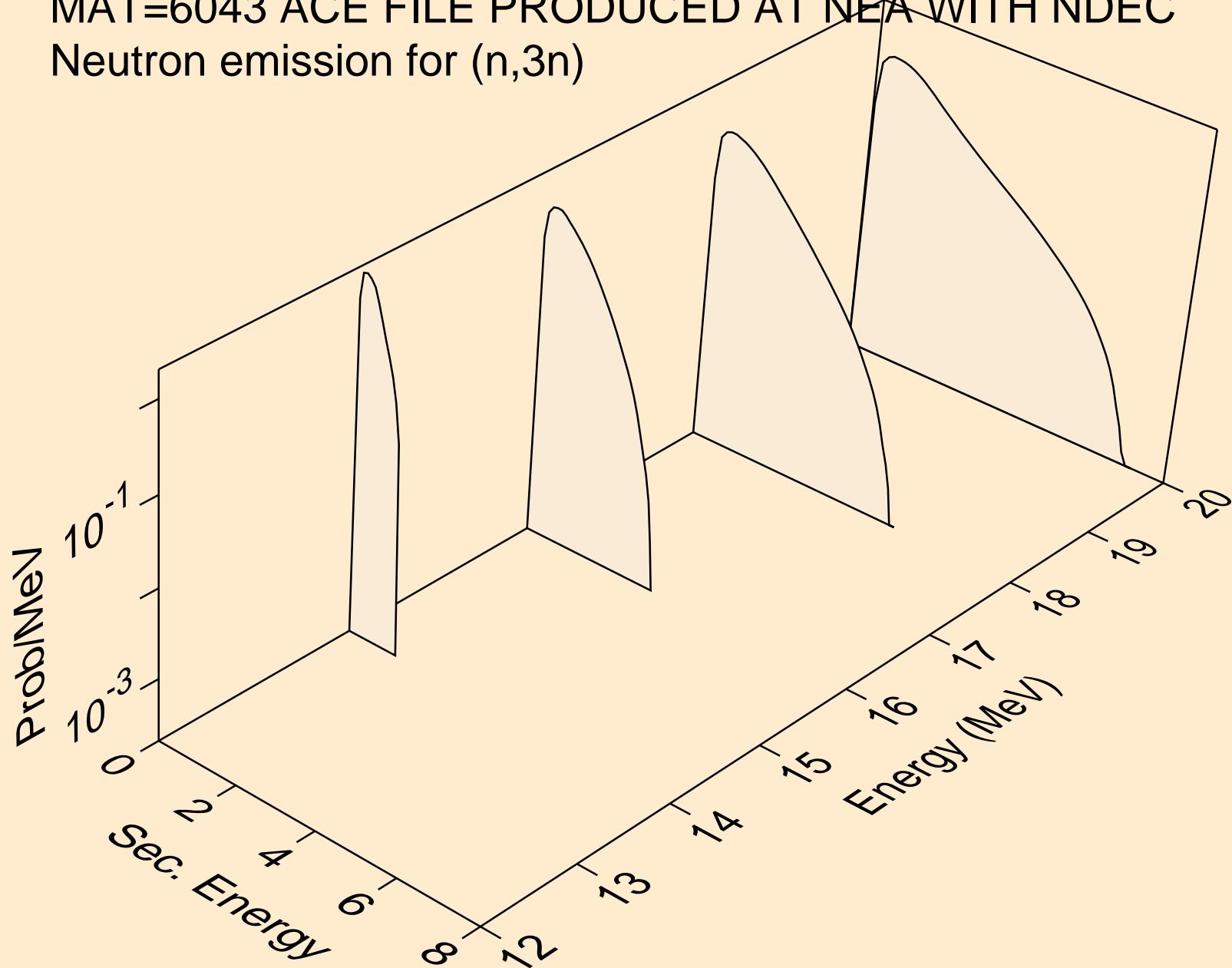
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*33)



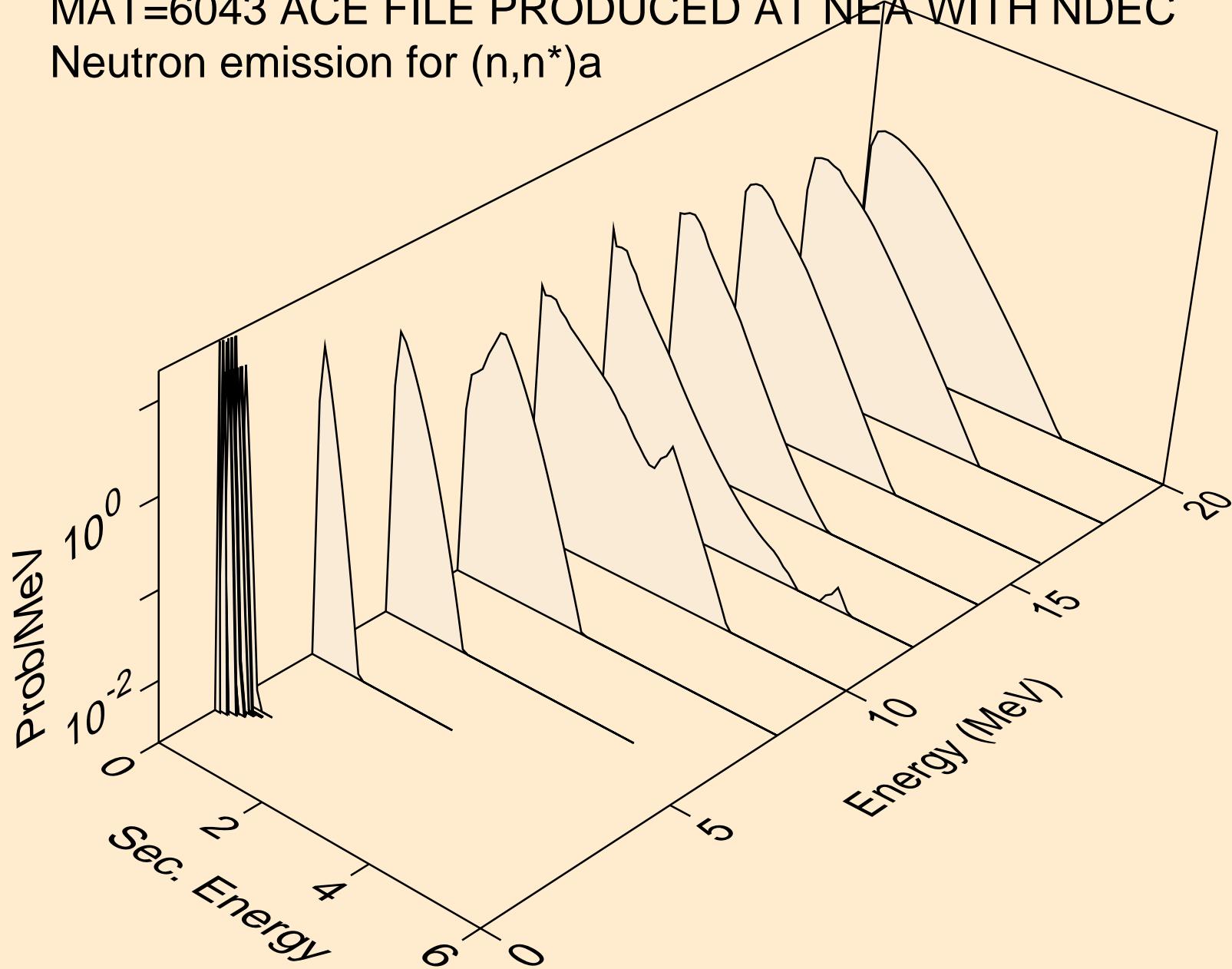
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)



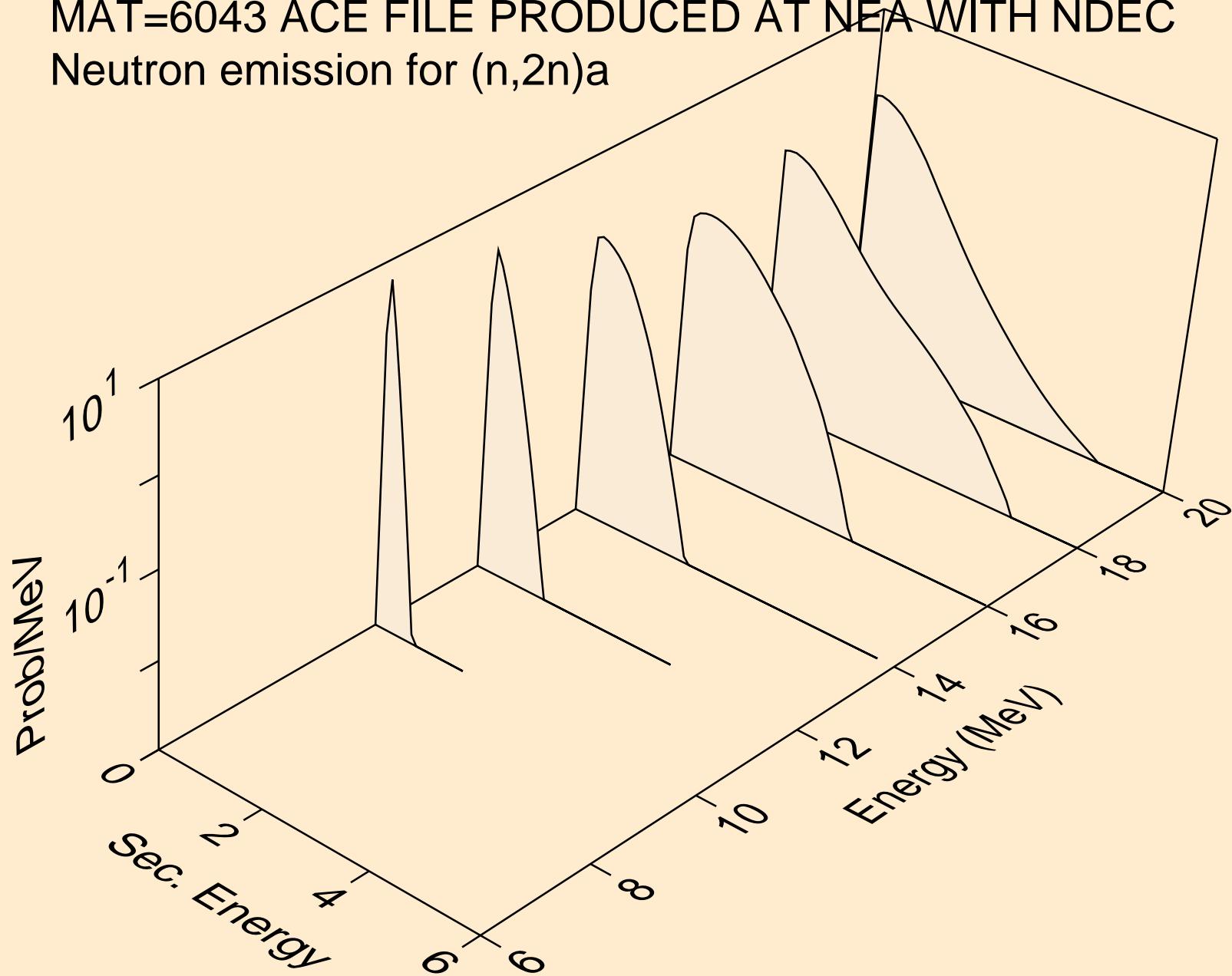
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)



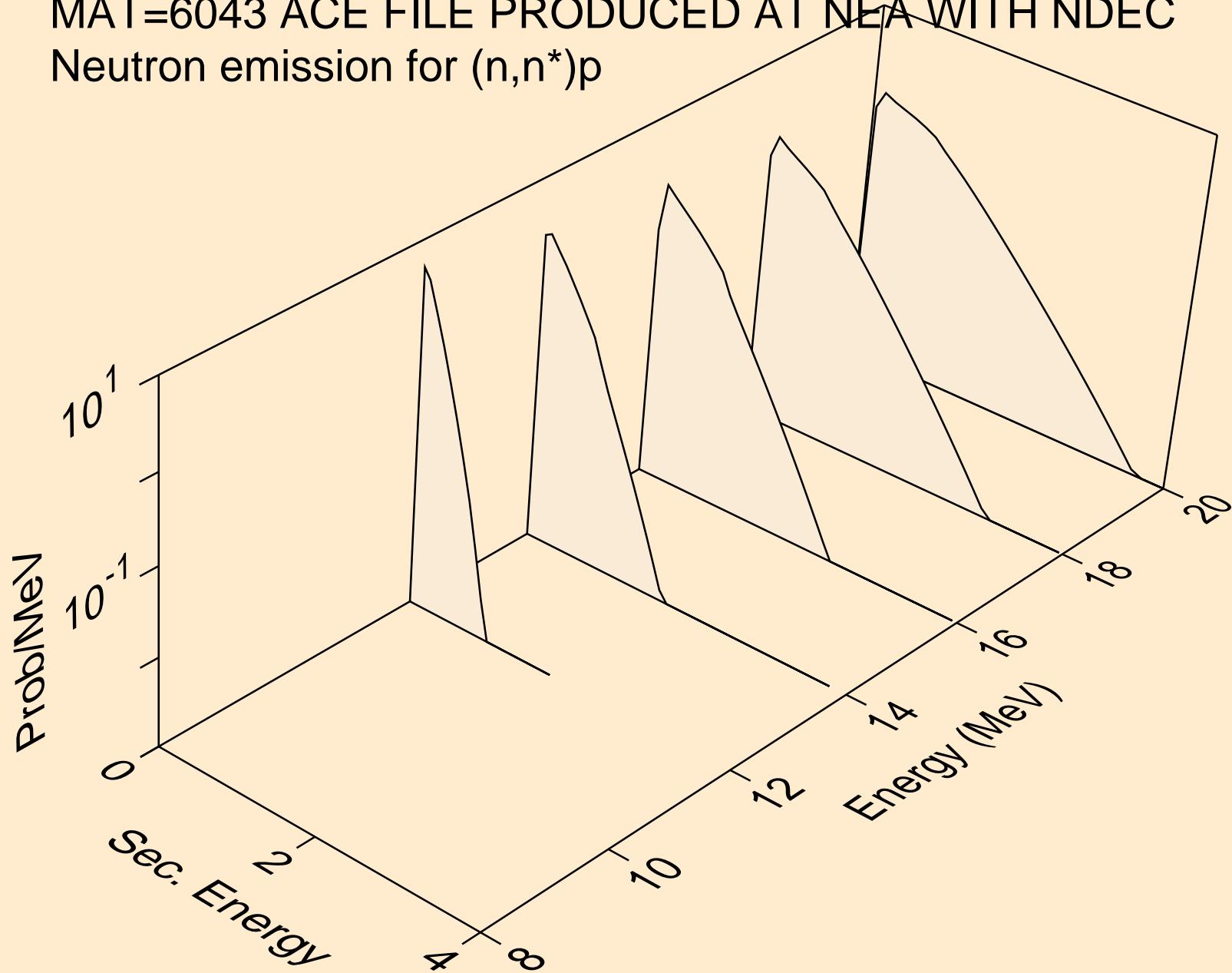
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for  $(n,n^*)a$



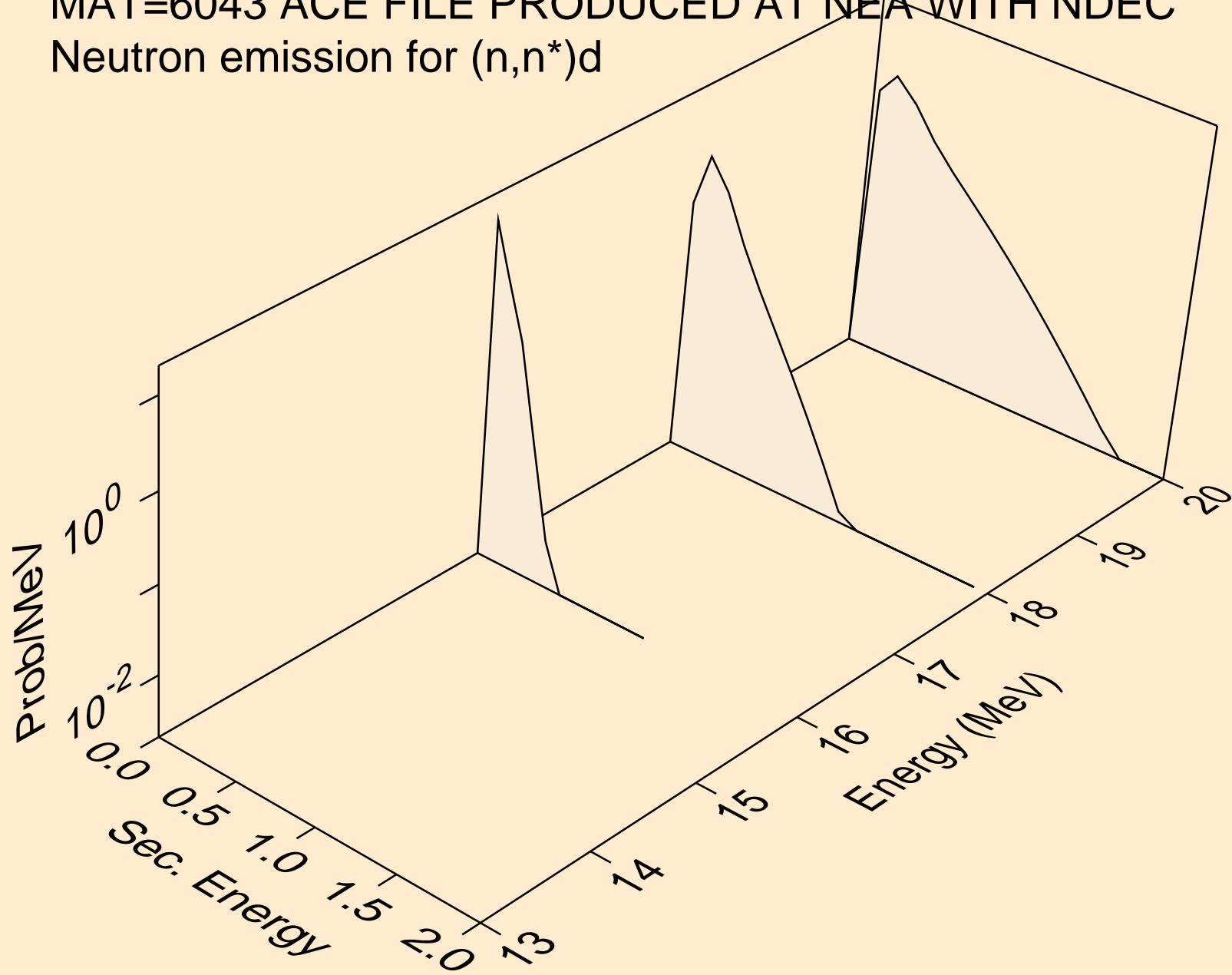
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Neutron emission for  $(n,2n)a$



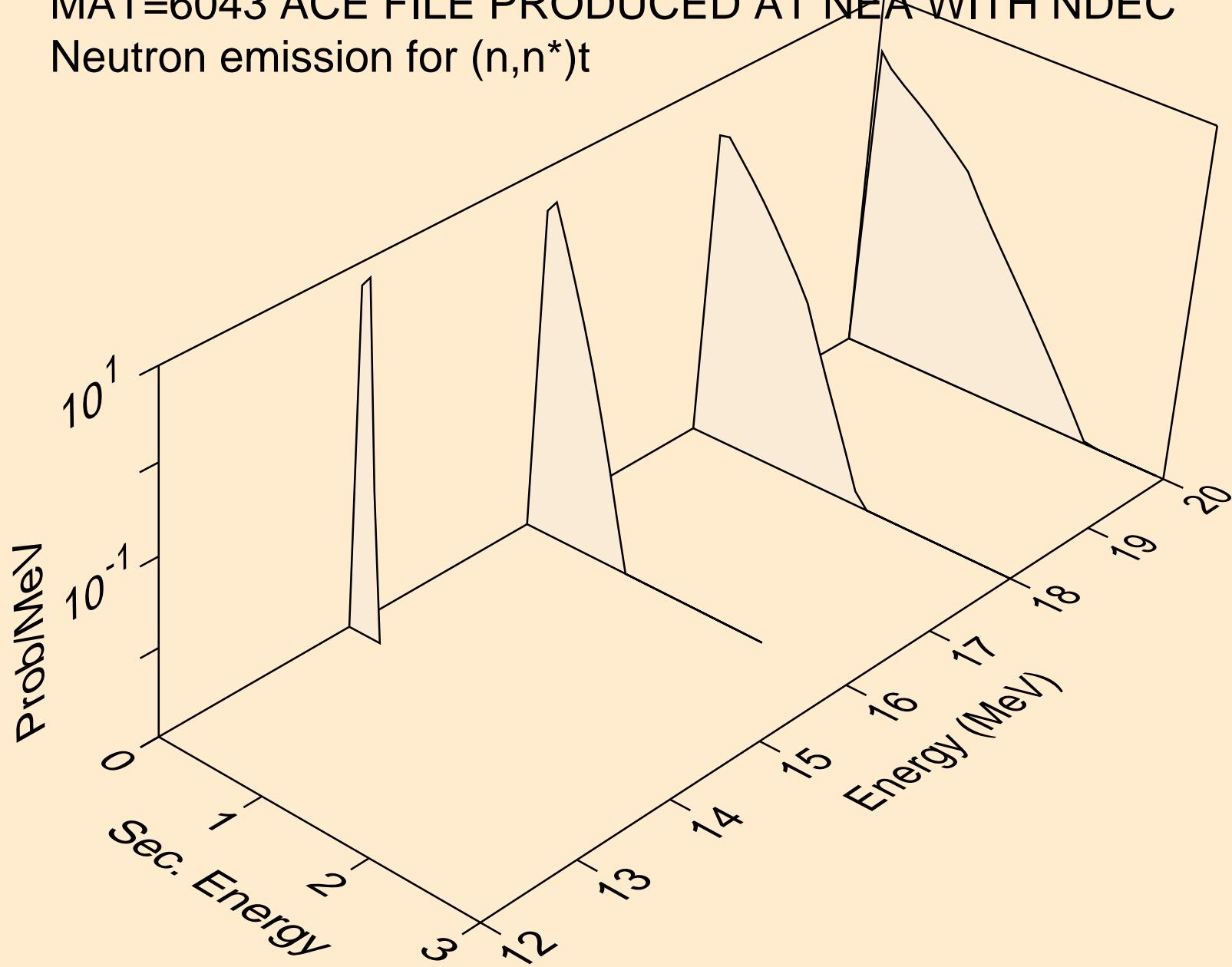
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for  $(n,n^*)p$



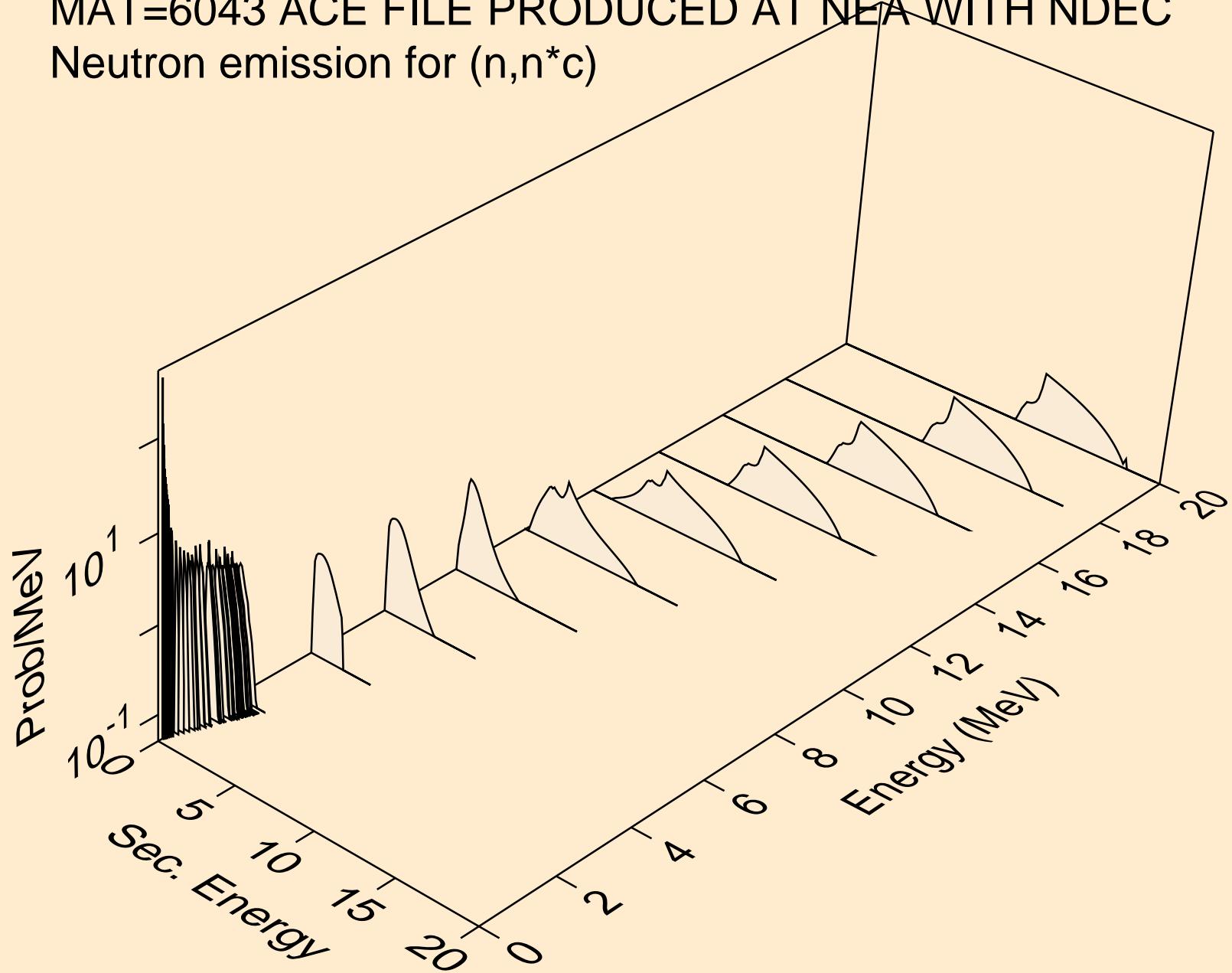
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Neutron emission for  $(n,n^*)d$



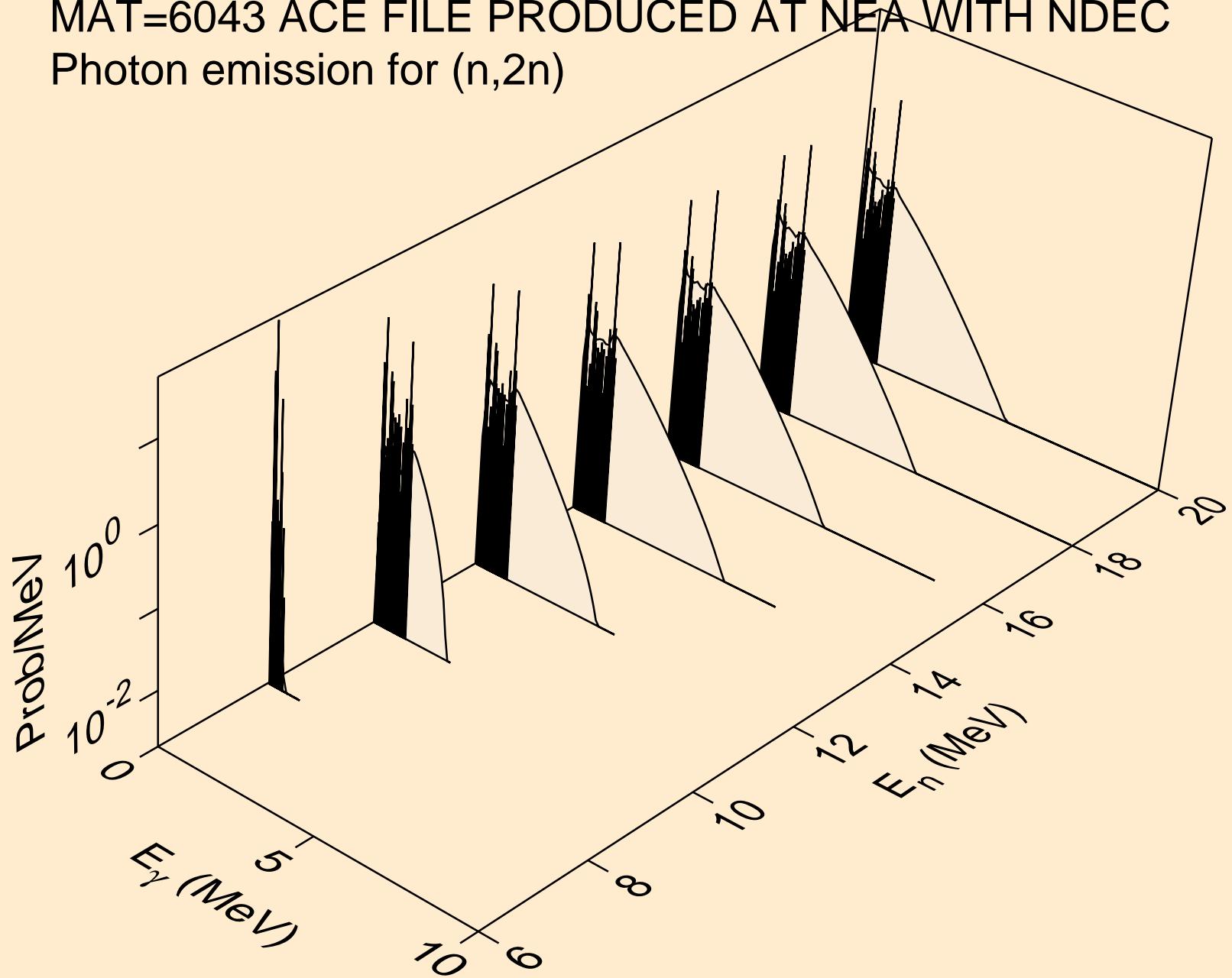
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Neutron emission for  $(n,n^*)t$



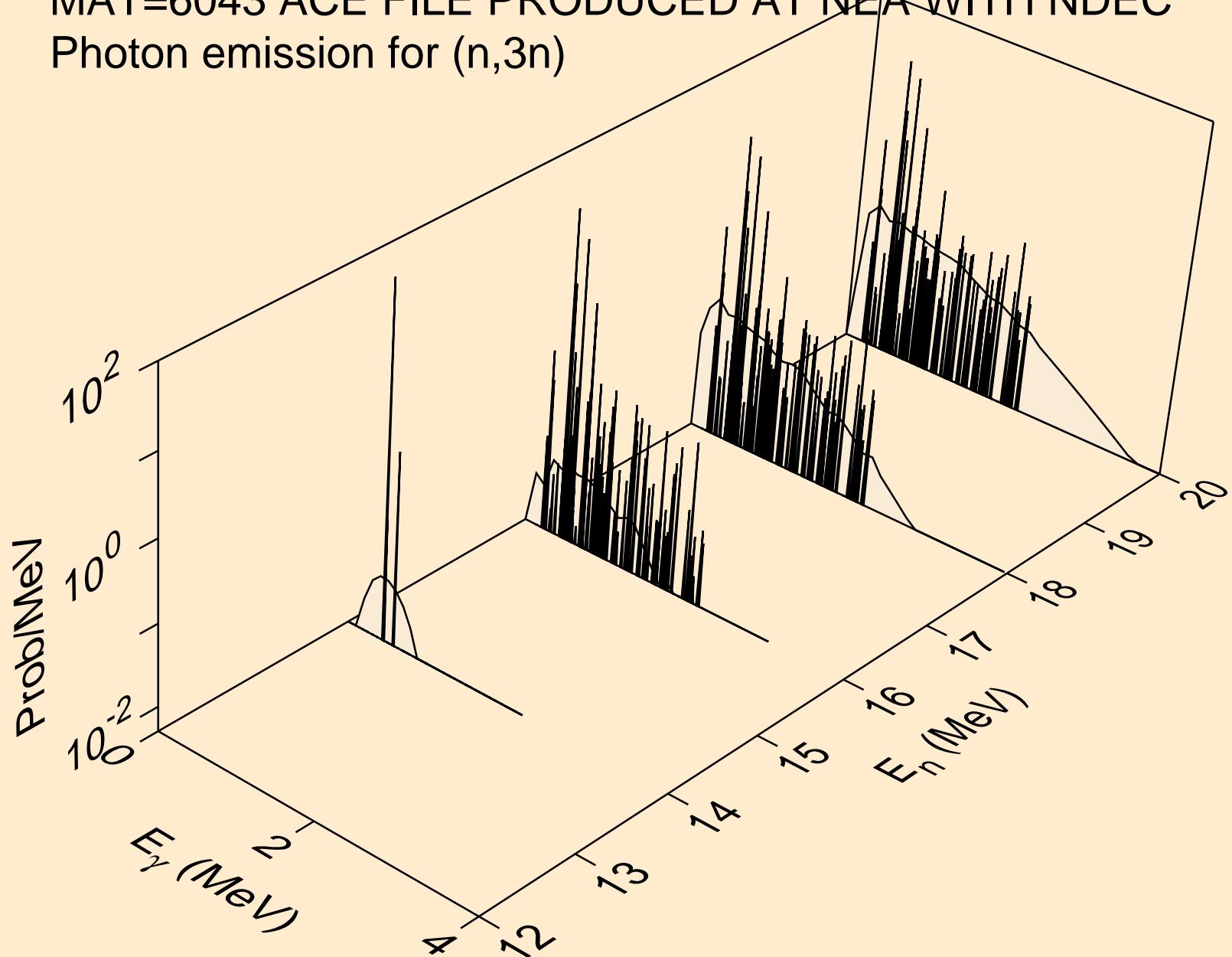
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Neutron emission for (n,n\*c)



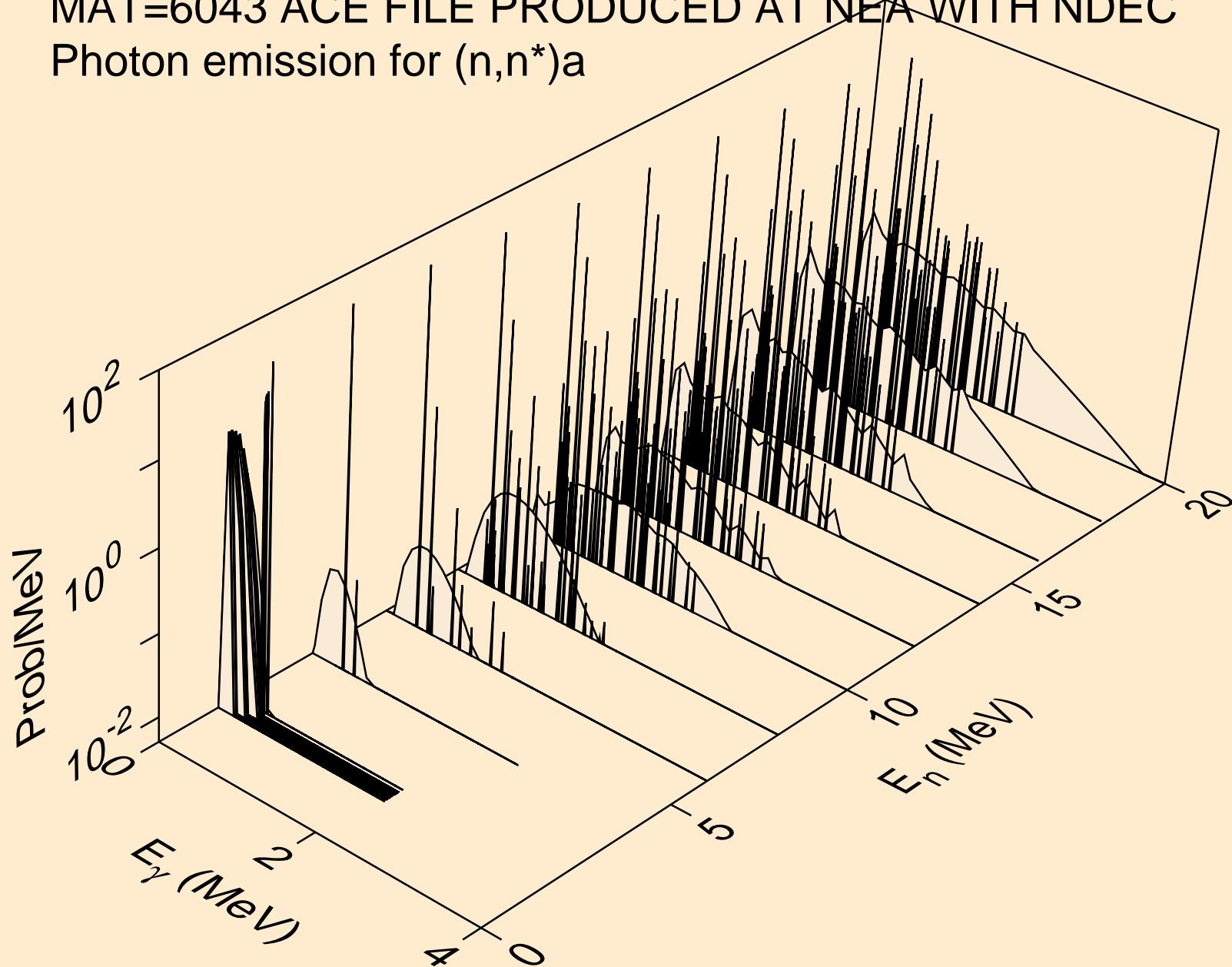
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Photon emission for (n,2n)



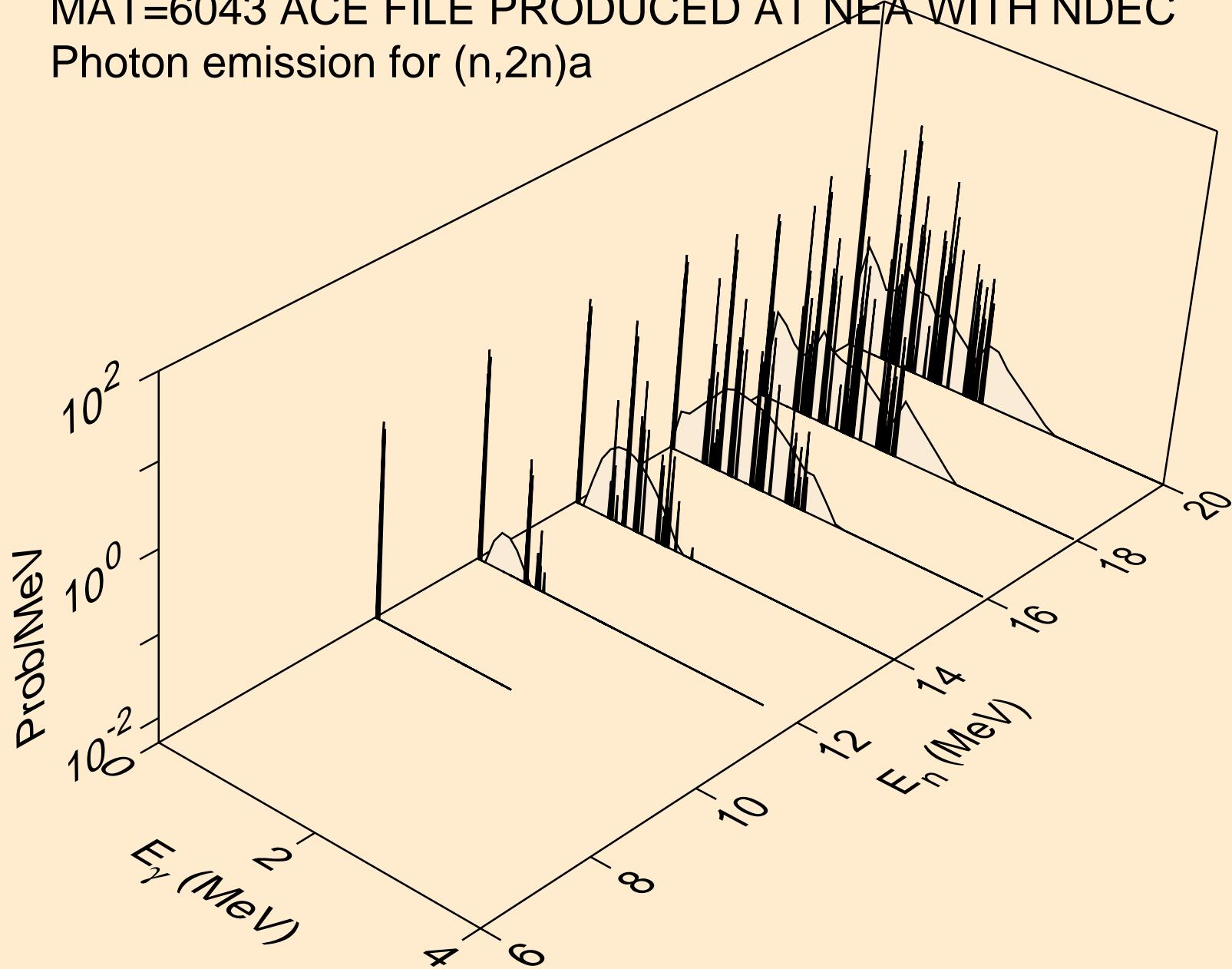
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Photon emission for (n,3n)



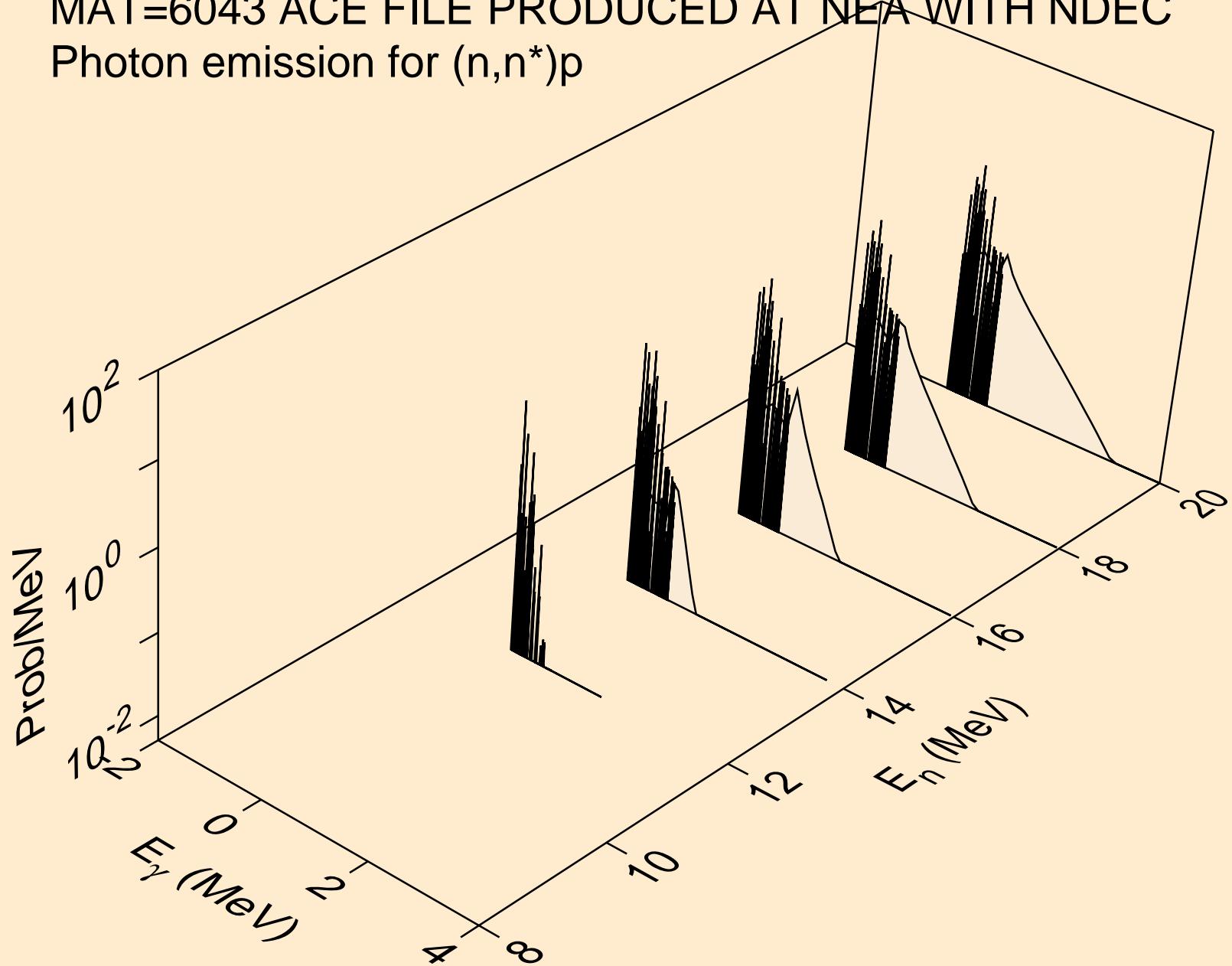
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Photon emission for  $(n,n^*)a$



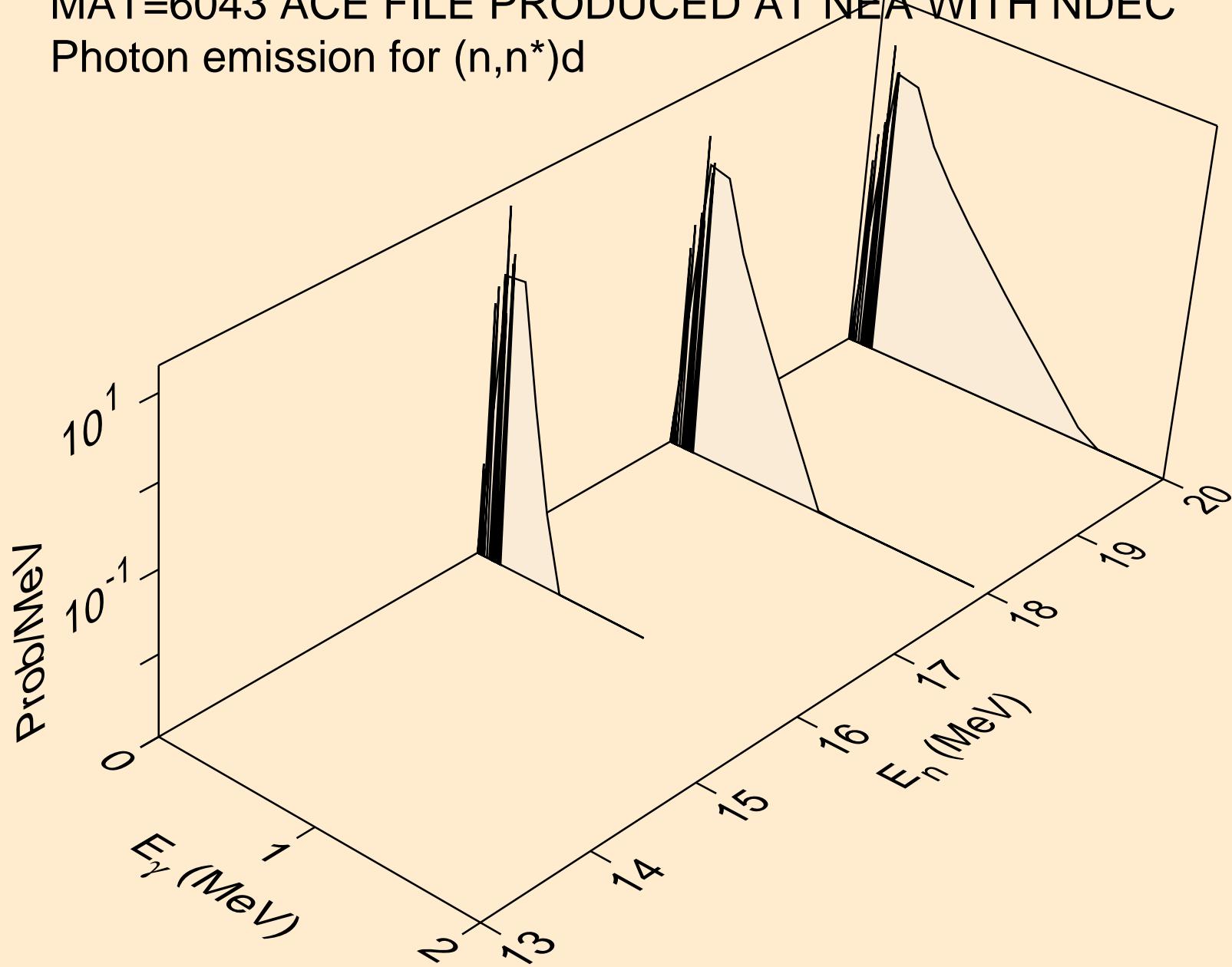
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Photon emission for (n,2n)a



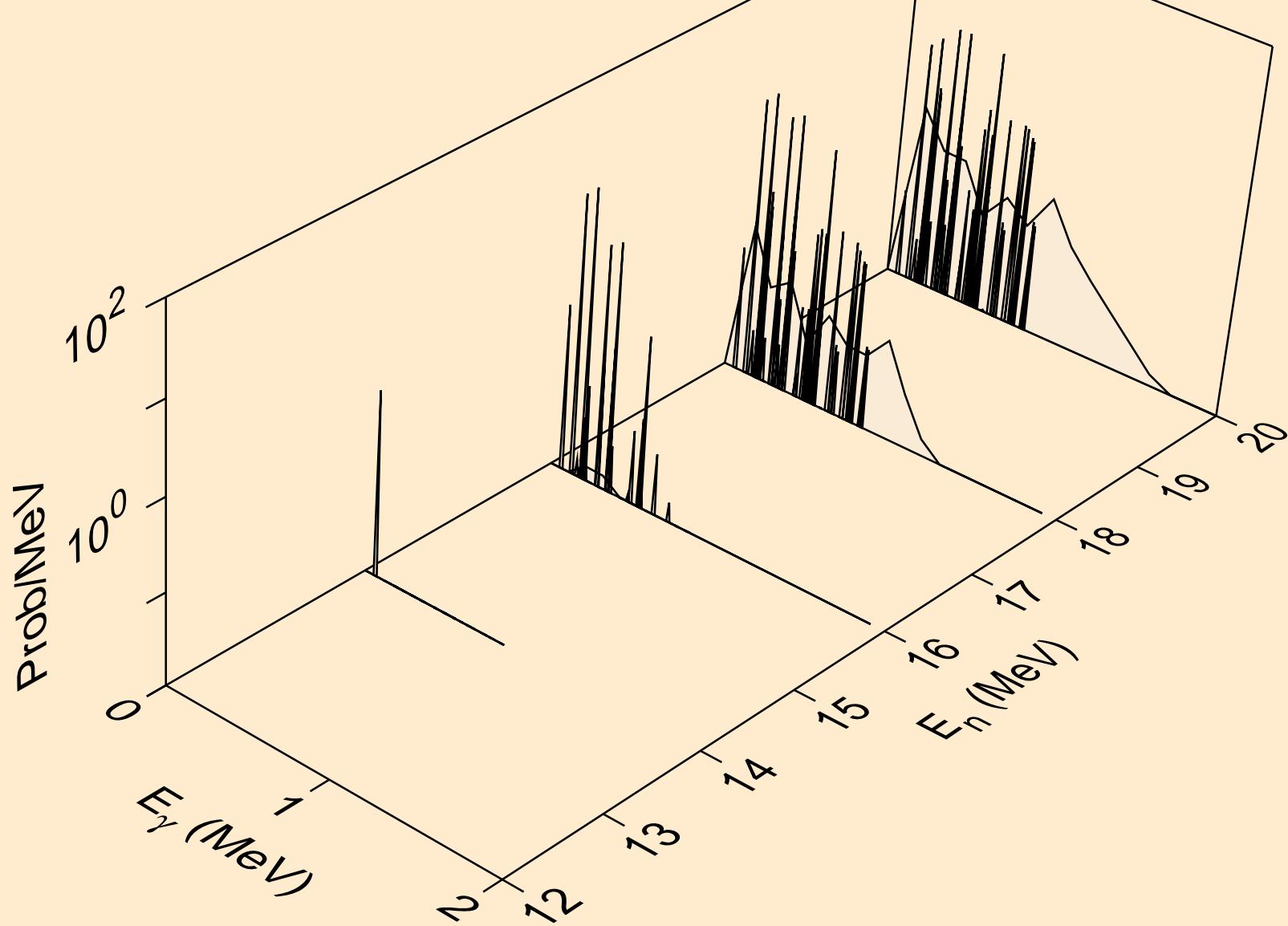
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Photon emission for  $(n,n^*)p$



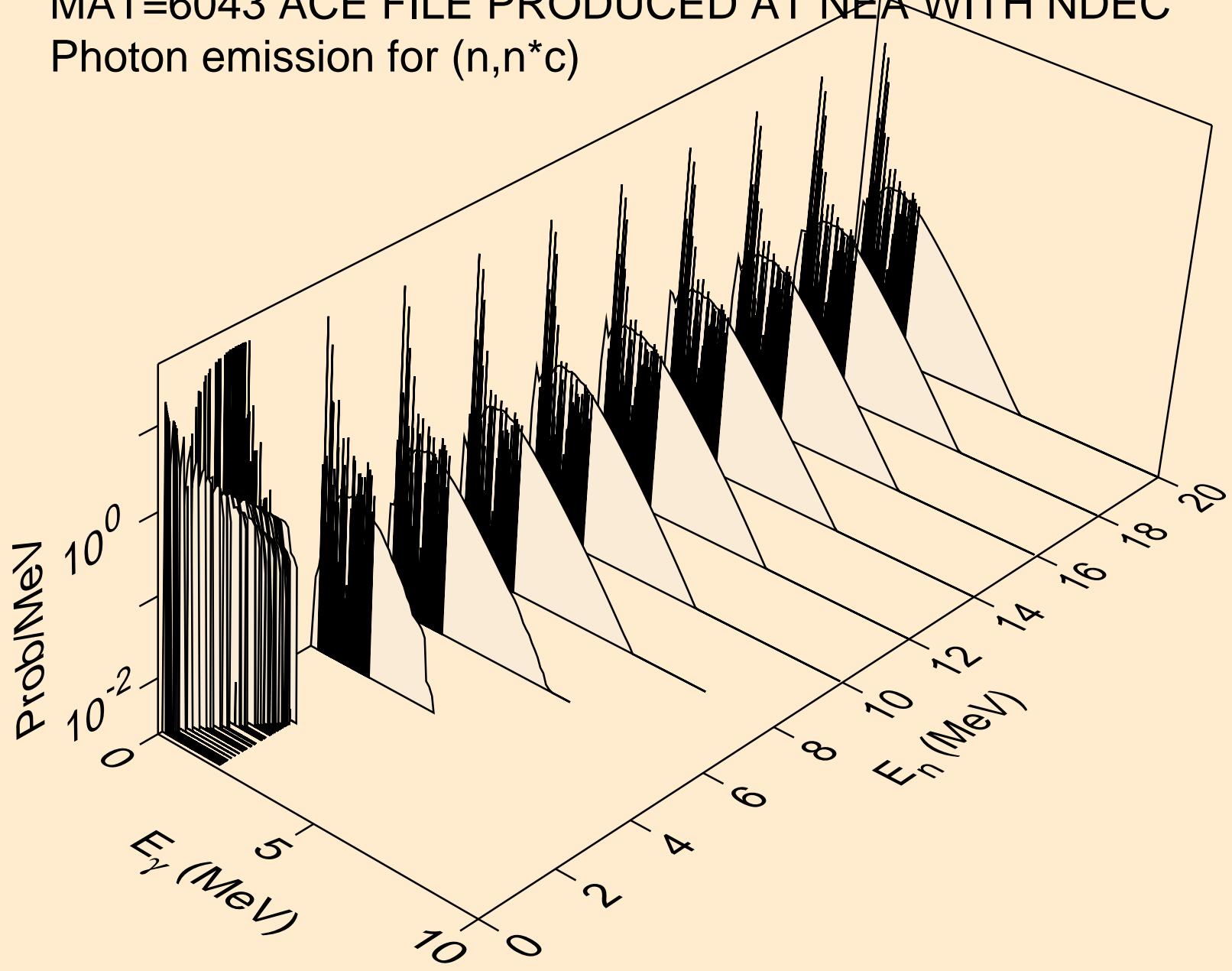
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Photon emission for  $(n,n^*)d$



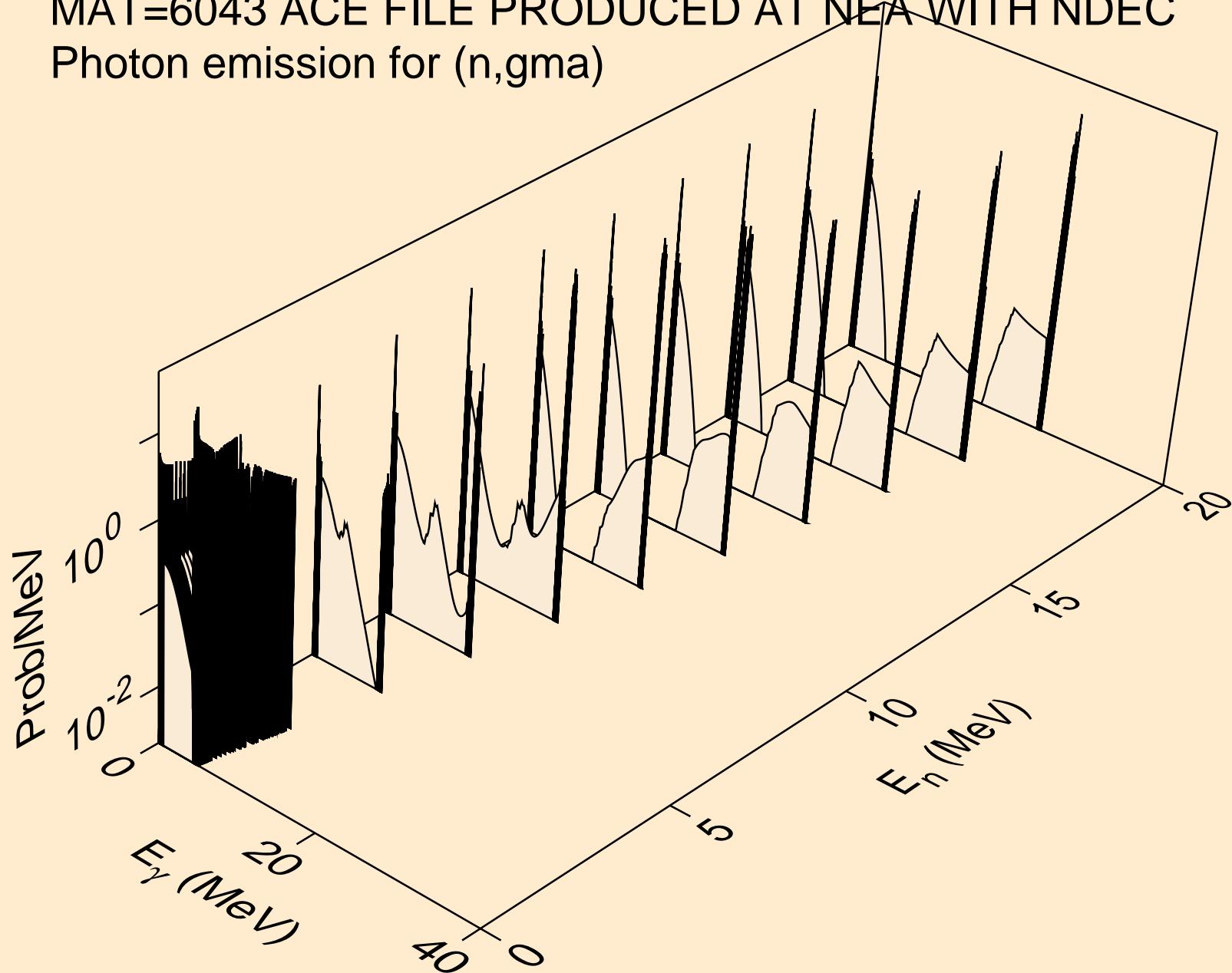
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Photon emission for  $(n,n^*)t$



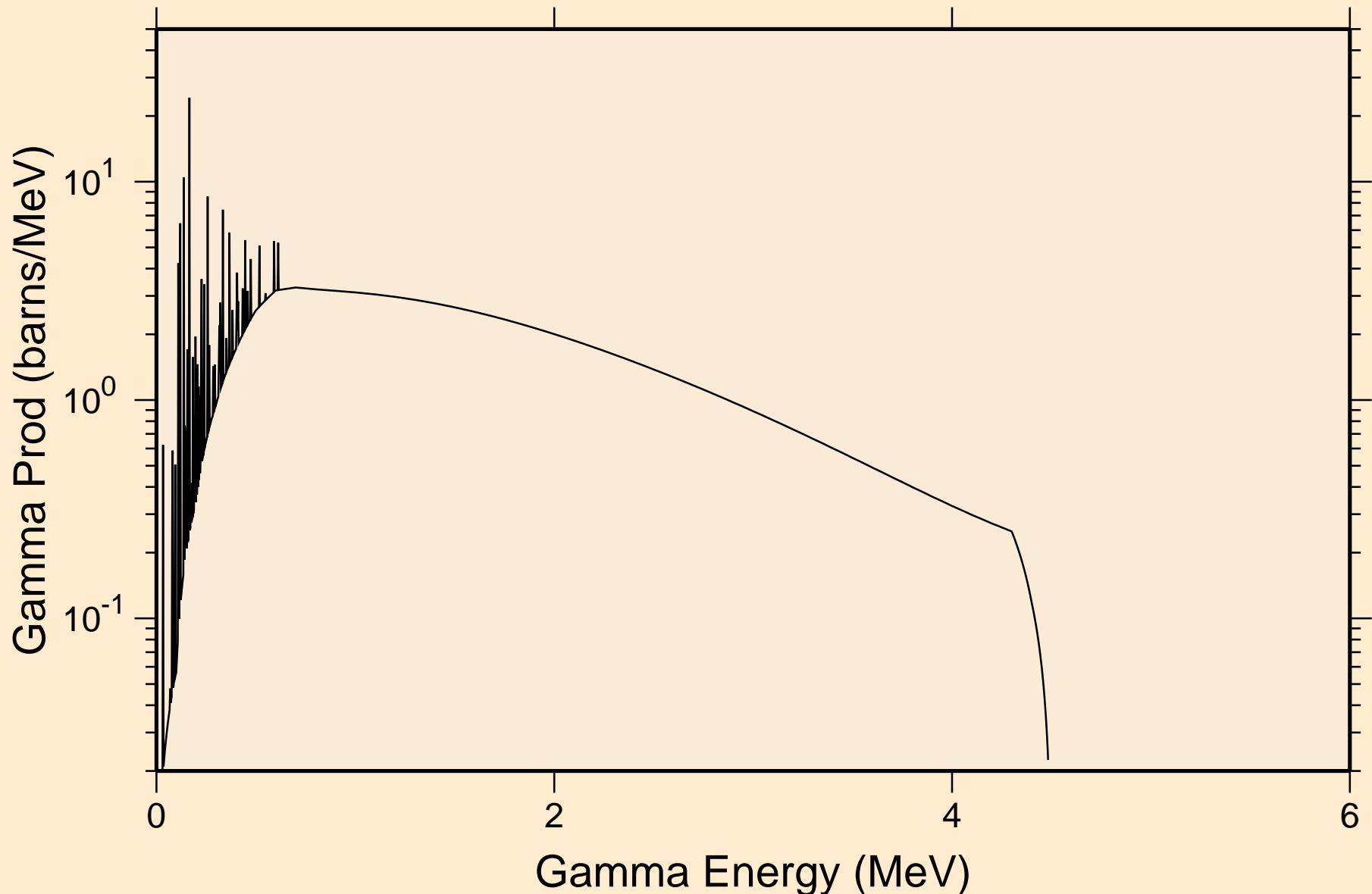
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,n\*c)



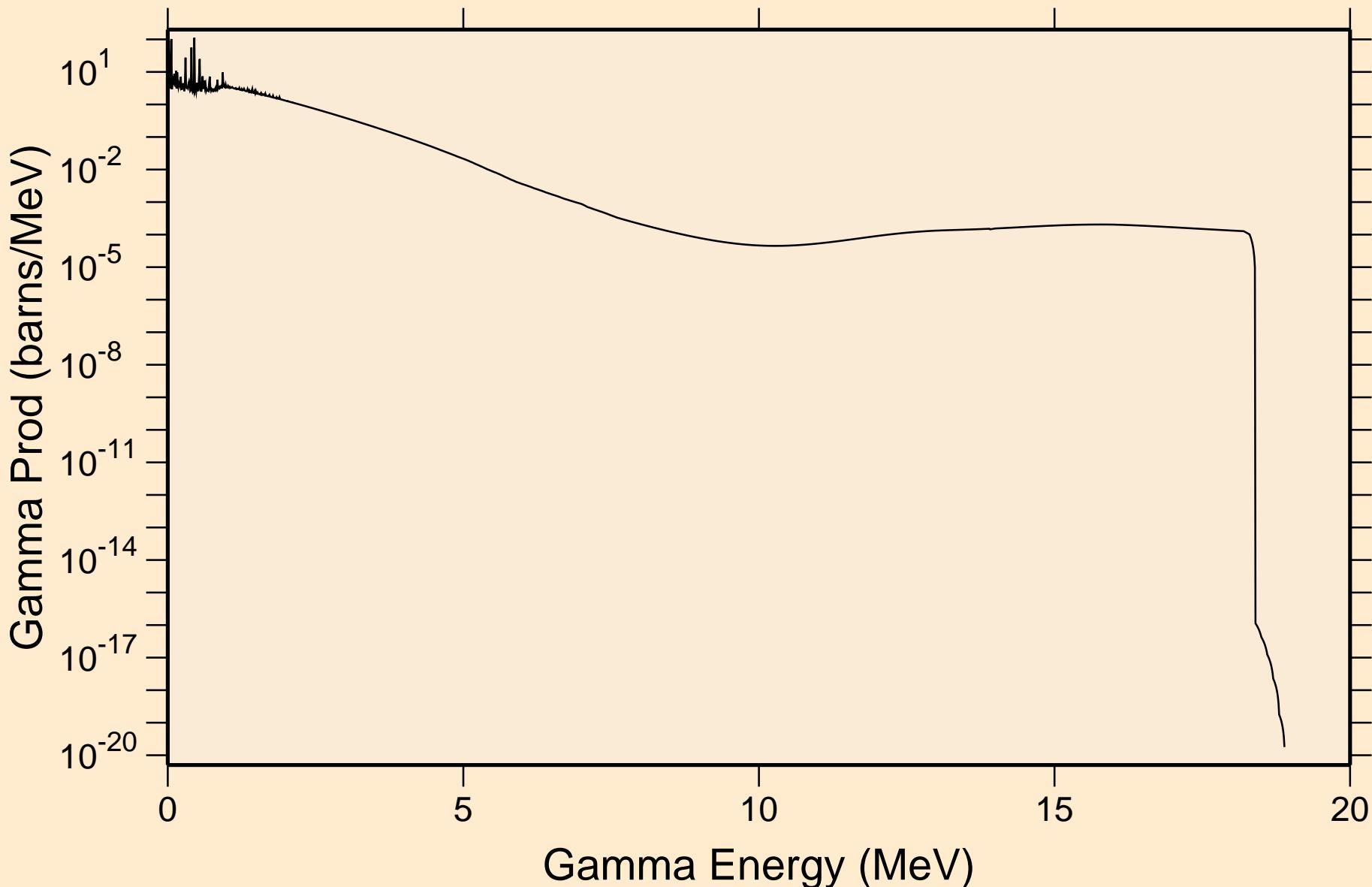
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,gma)



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
thermal capture photon spectrum

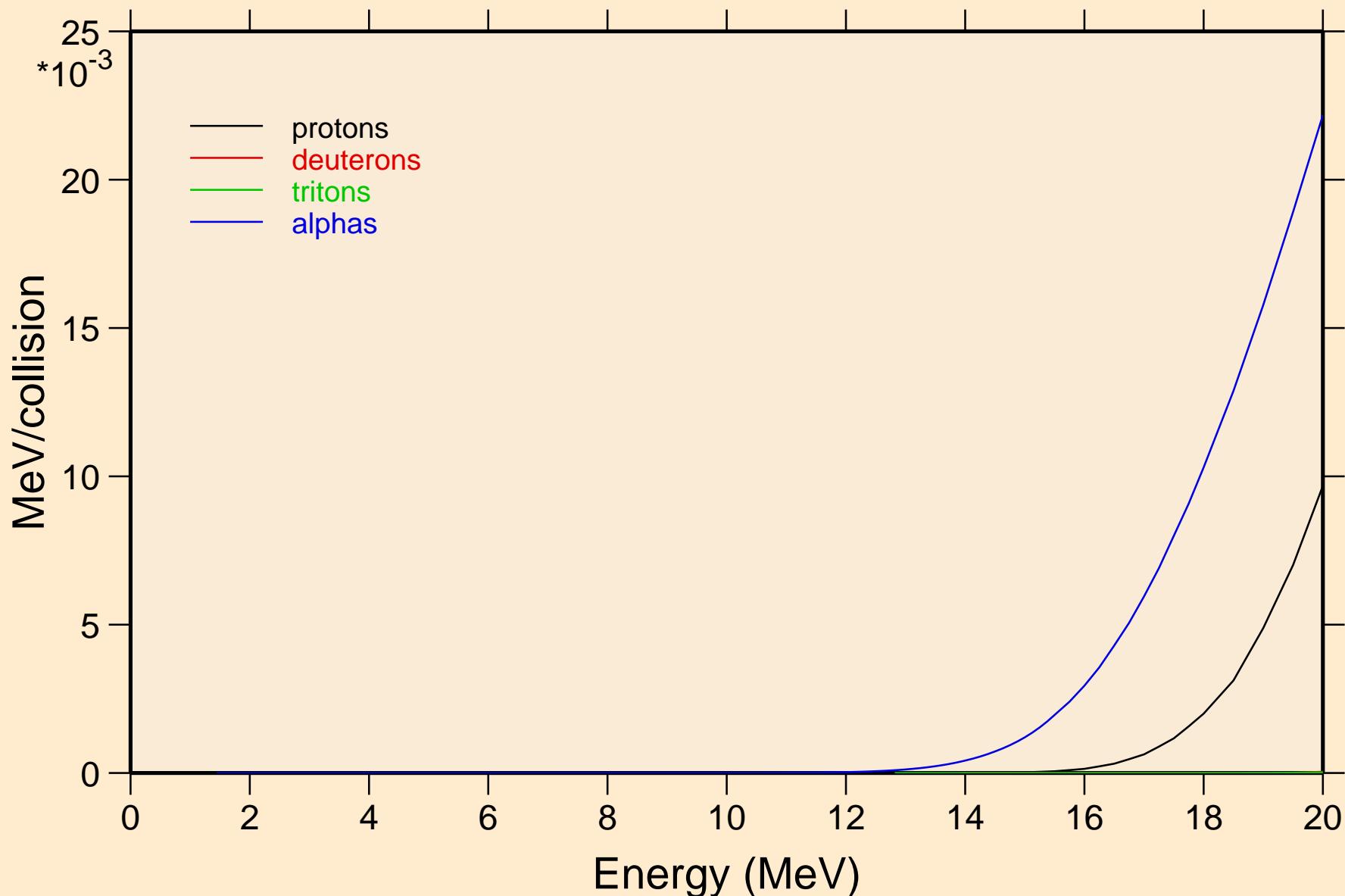


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14 MeV photon spectrum

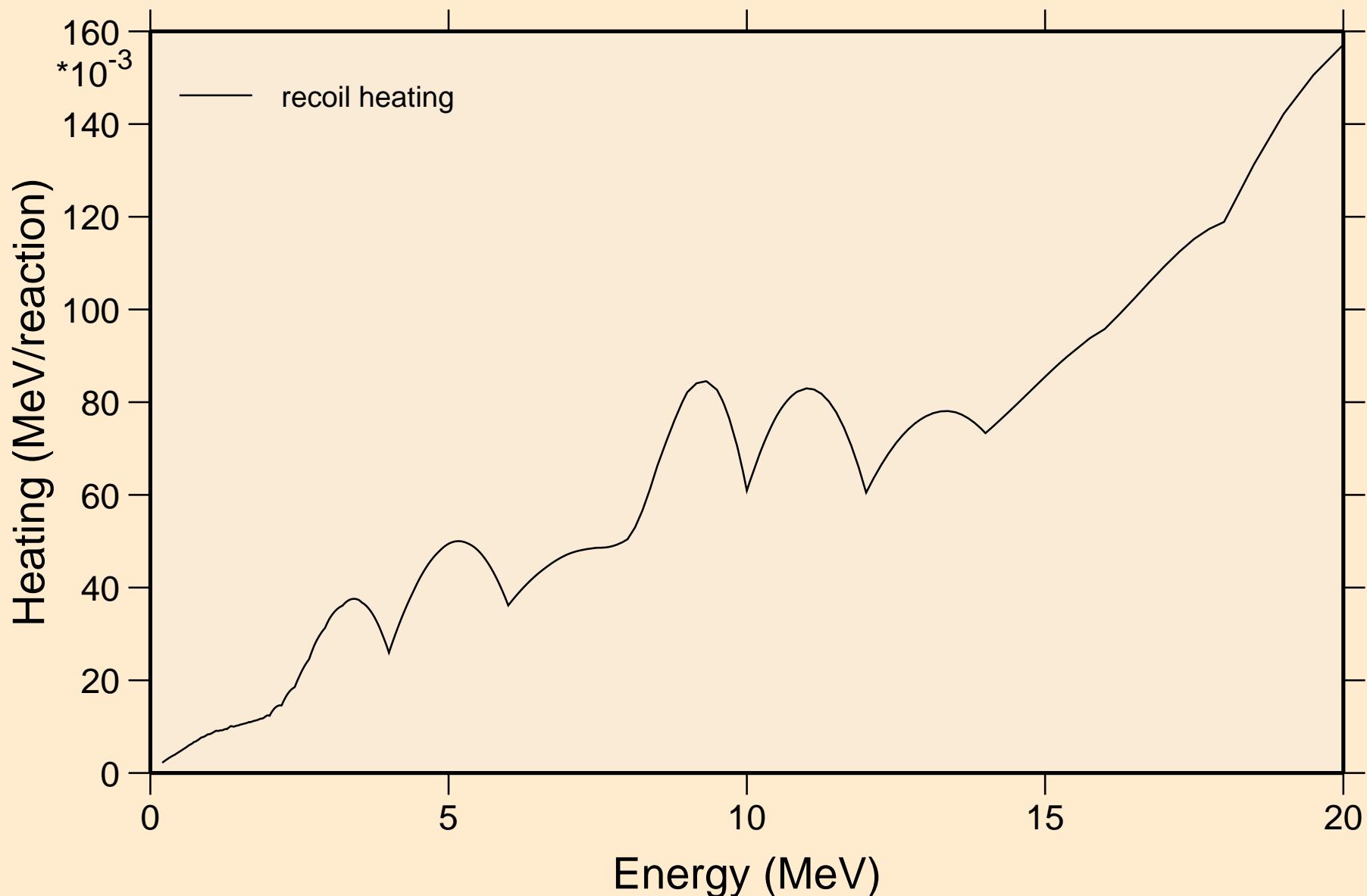


# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC

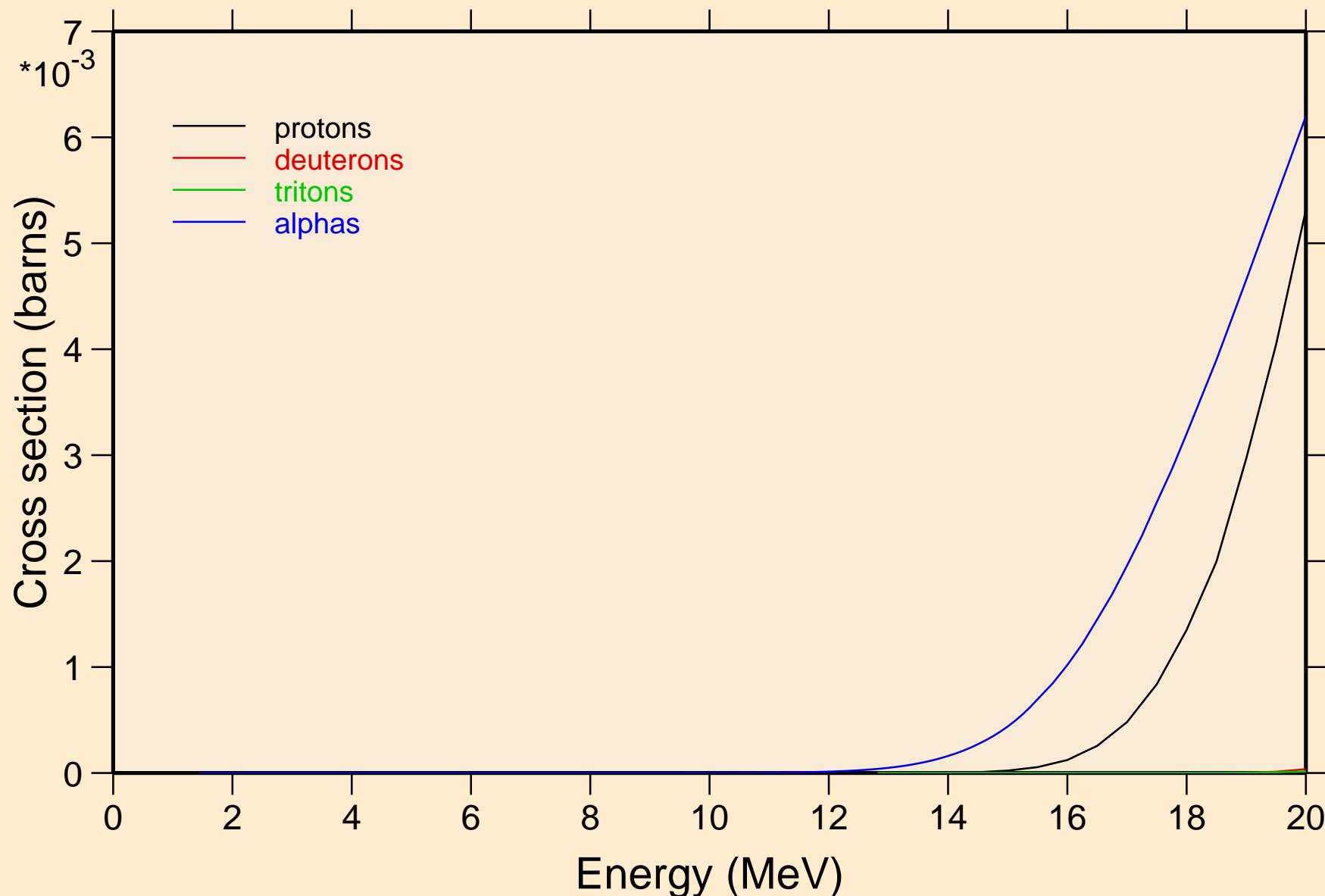
## Particle heating contributions



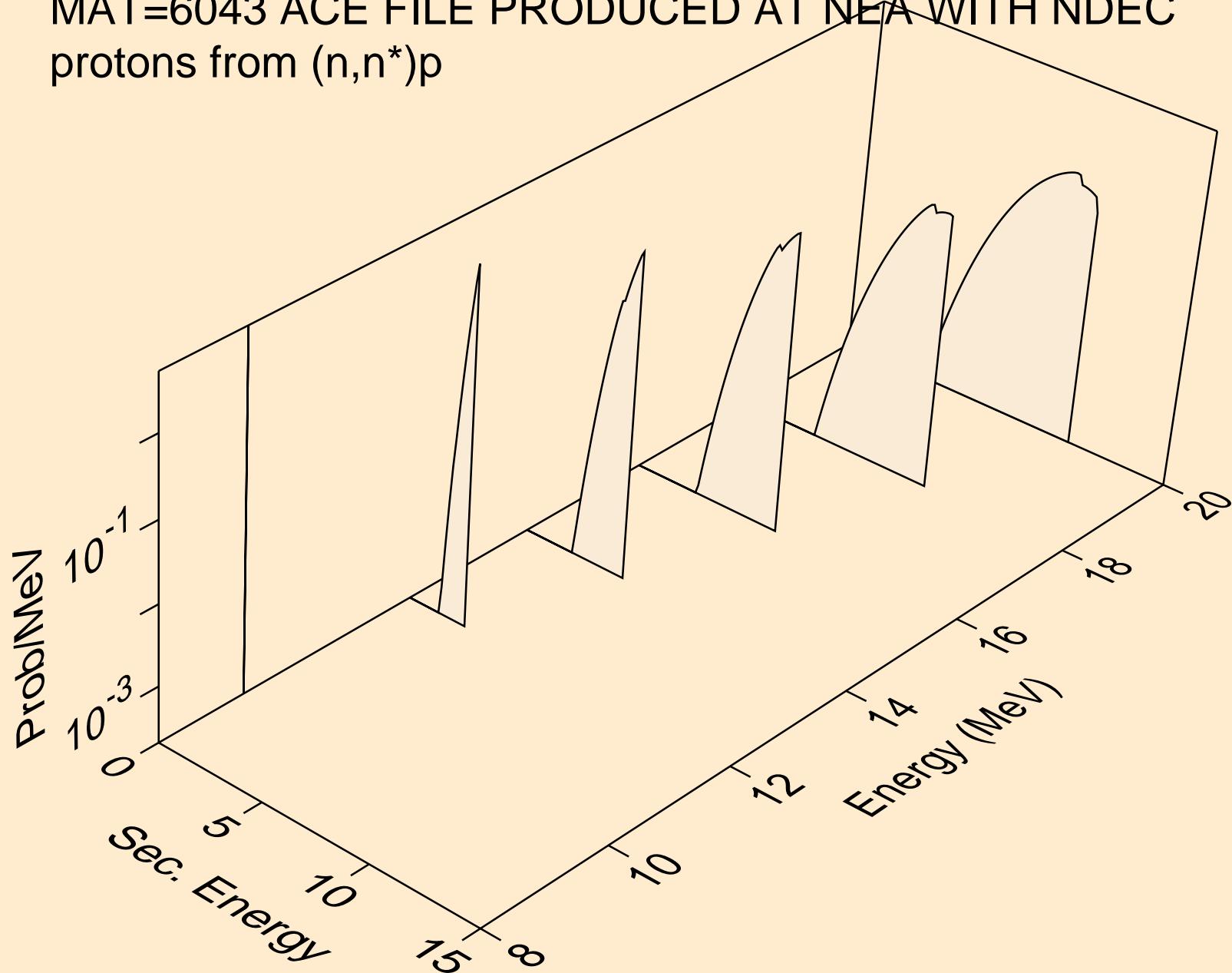
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Recoil Heating



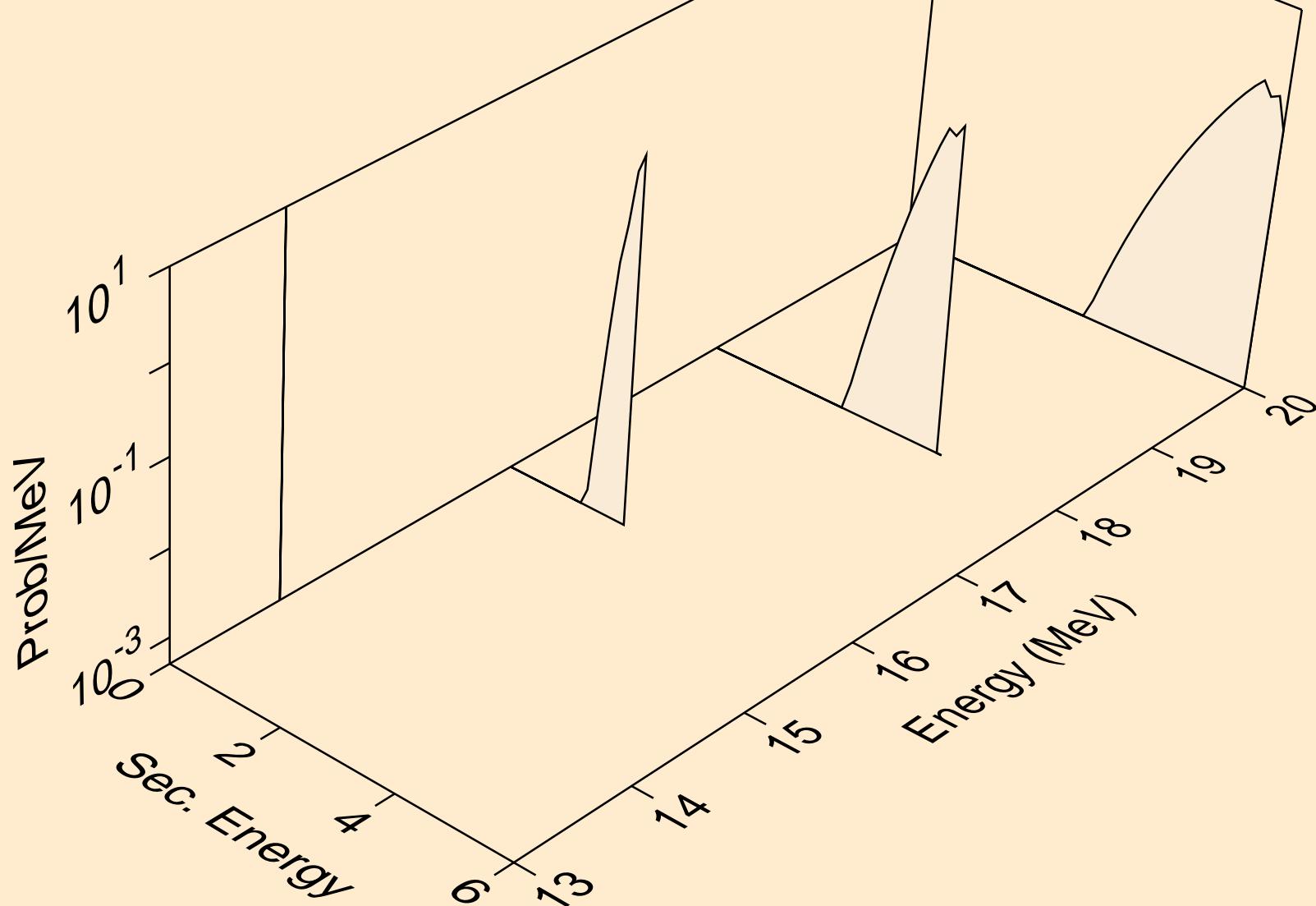
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
Particle production cross sections



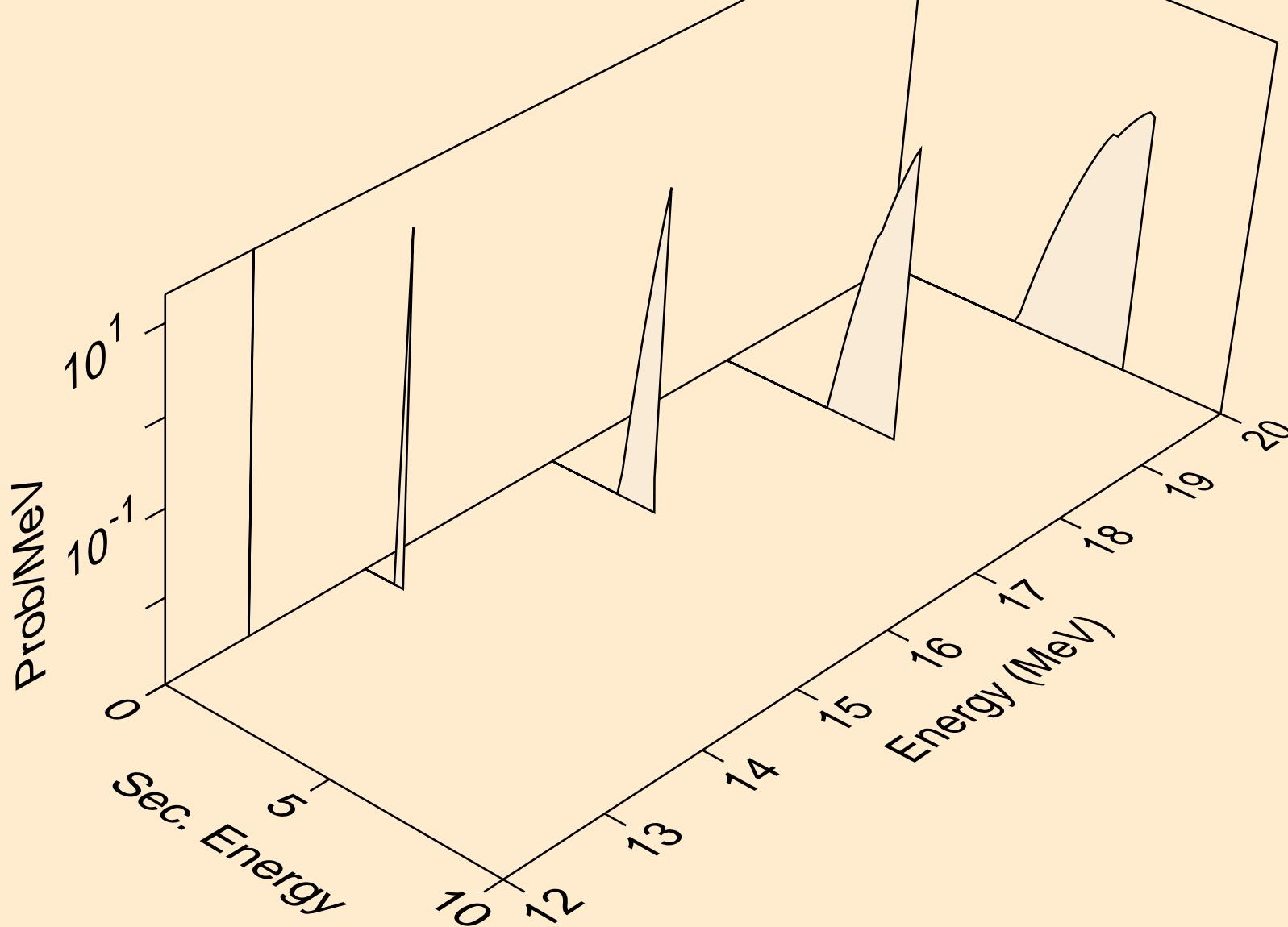
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from  $(n,n^*)p$



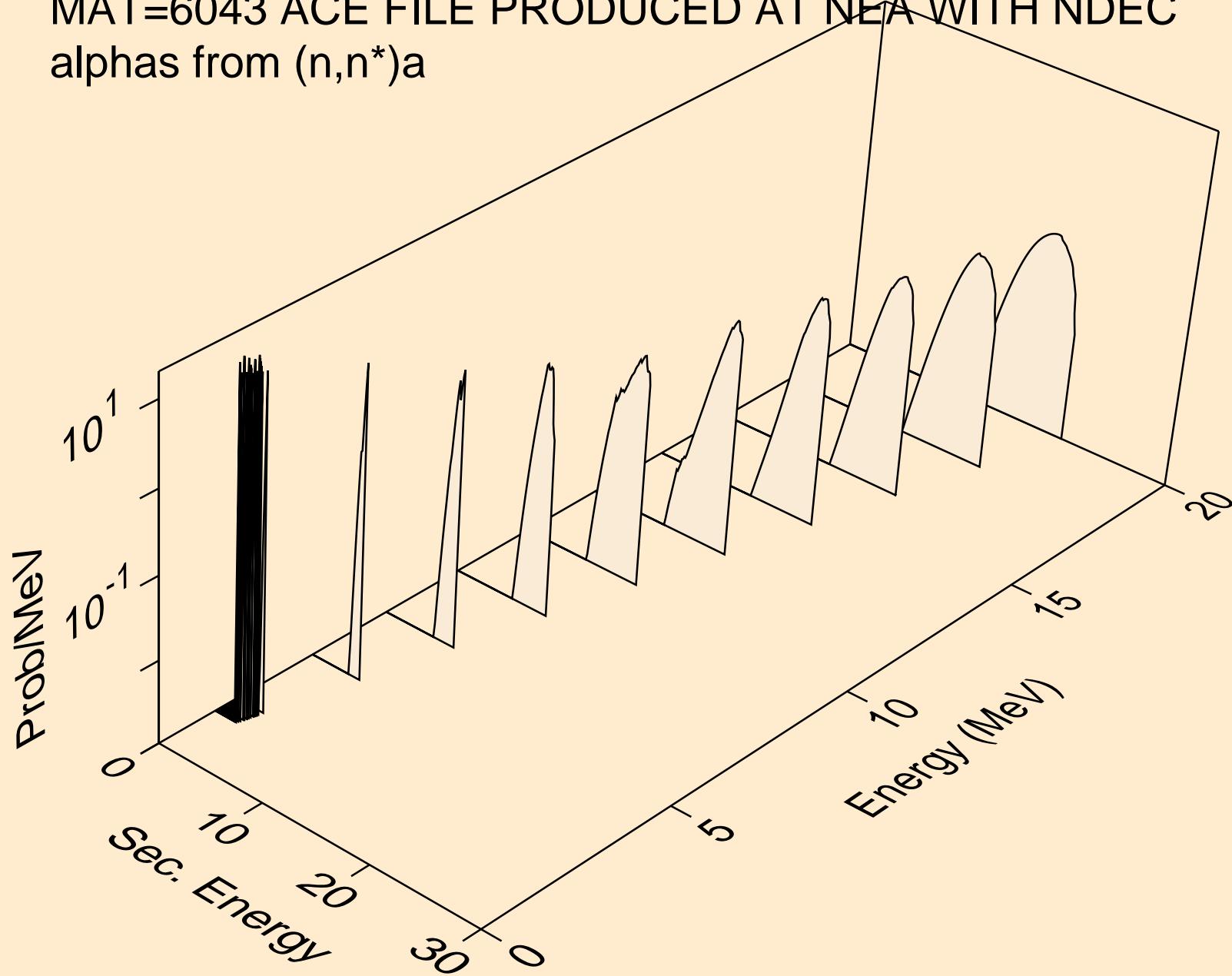
MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from  $(n,n^*)d$



# MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC tritons from (n,n\*)t



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from  $(n,n^*)a$



MAT=6043 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,2n)a

