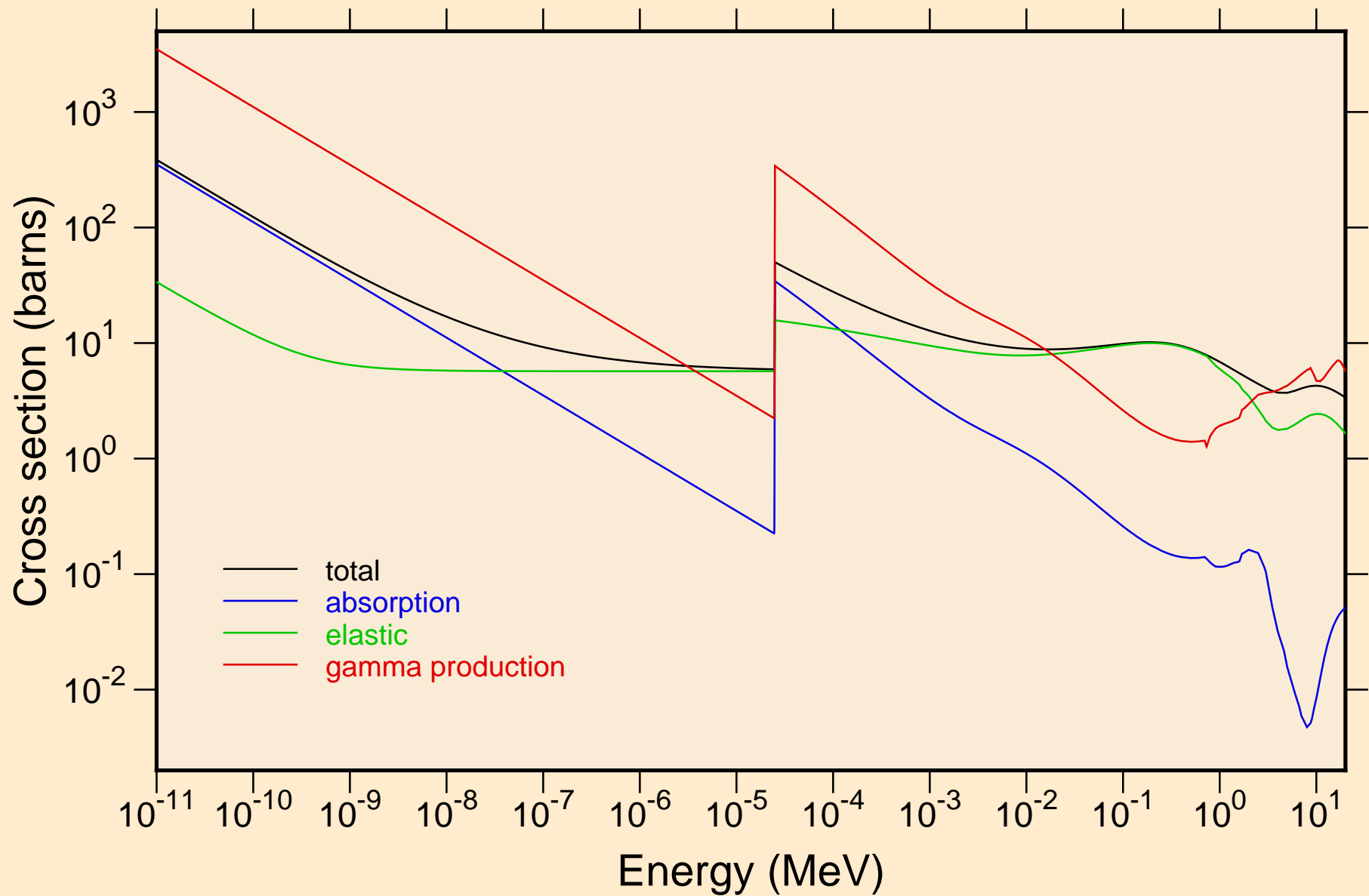
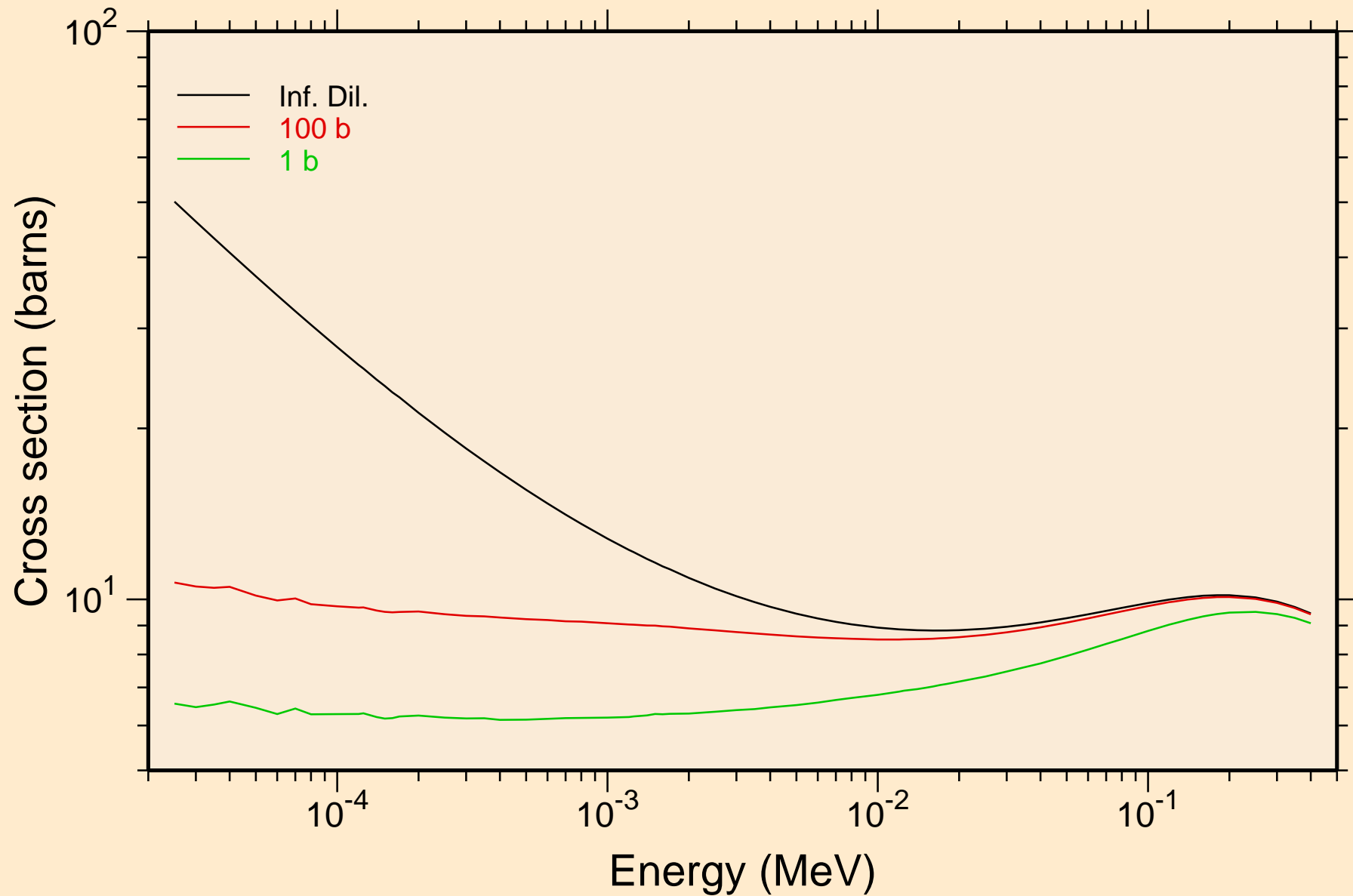


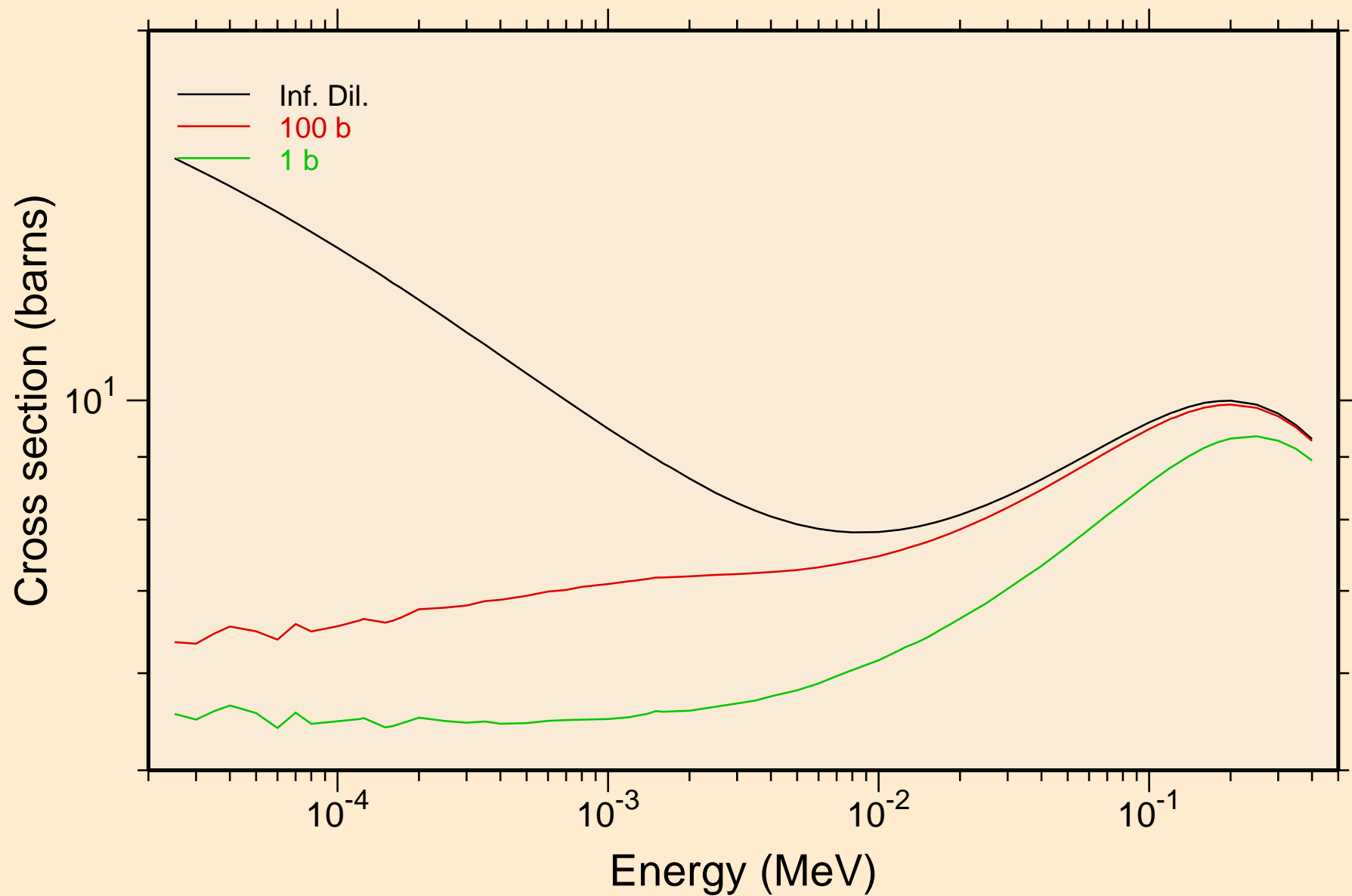
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Principal cross sections



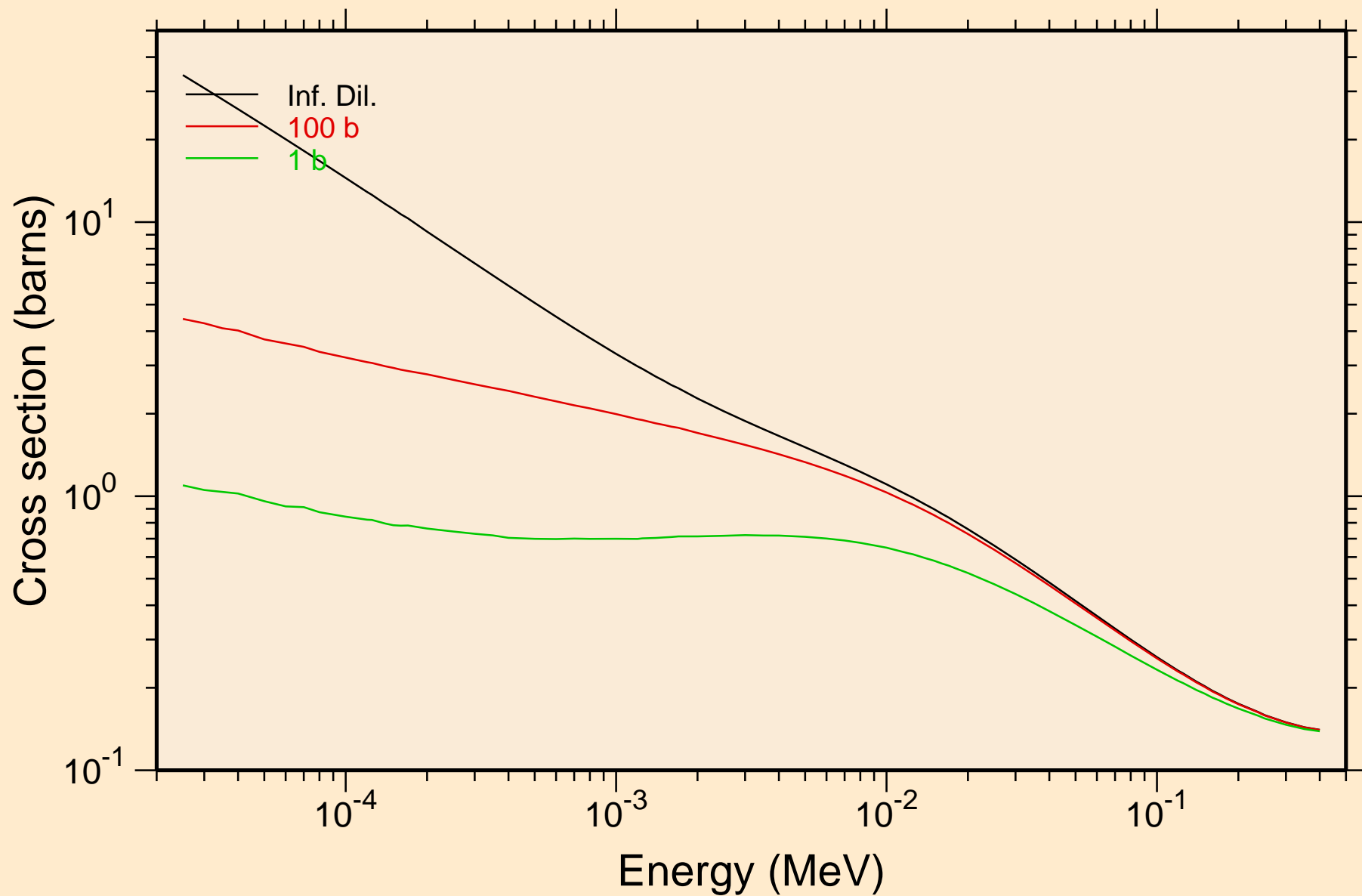
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
UR total cross section



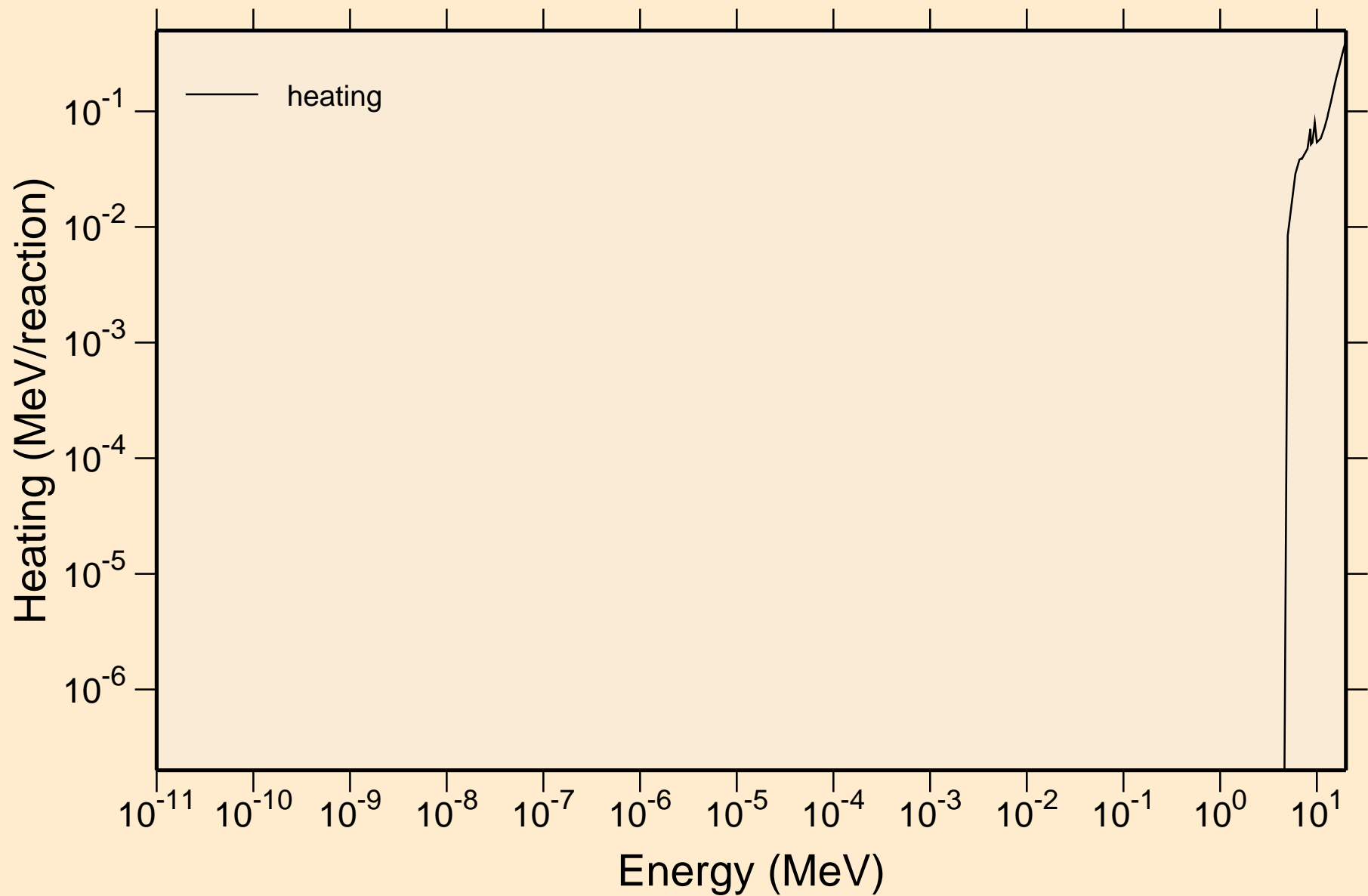
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
UR elastic cross section



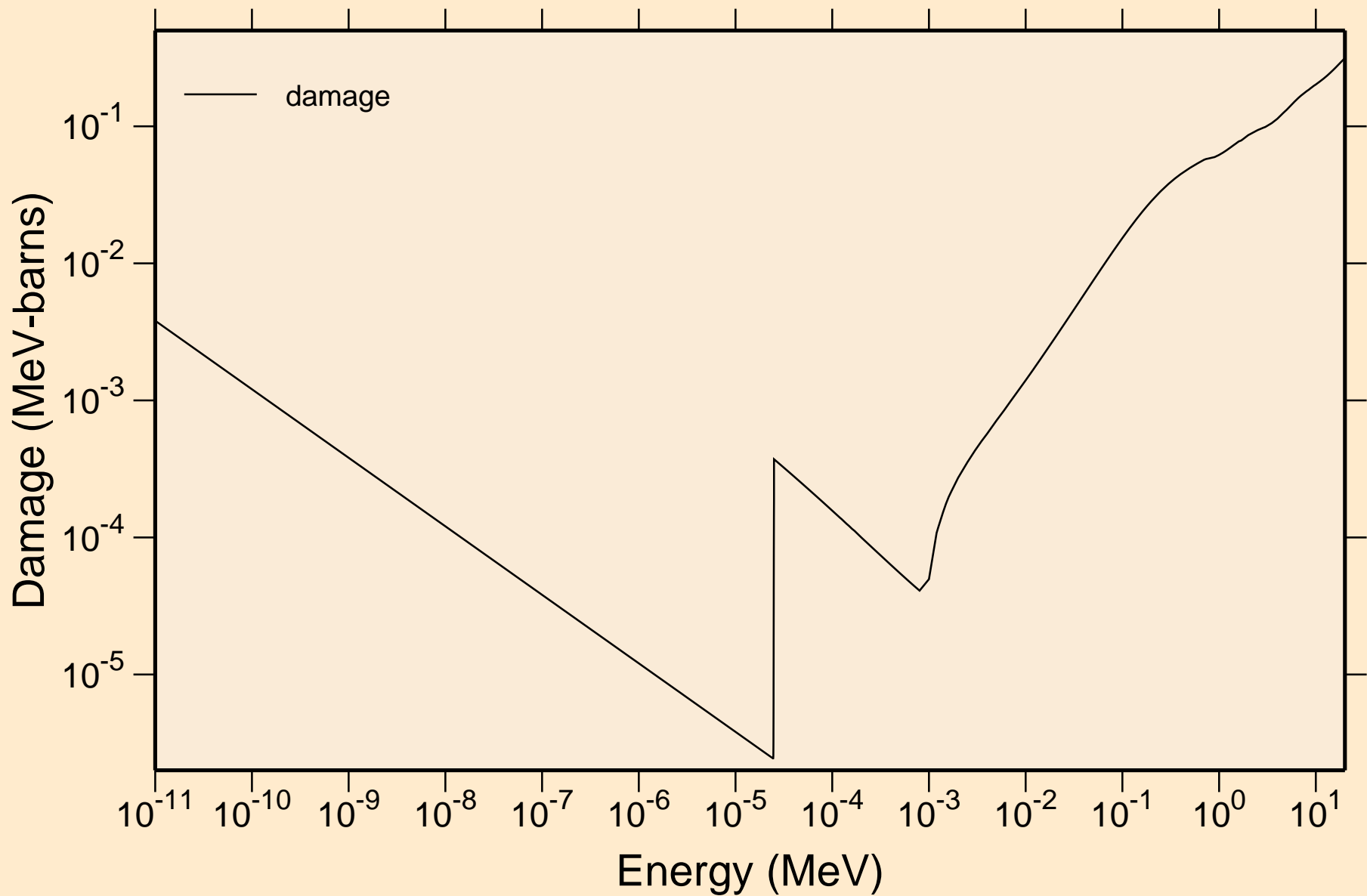
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
UR capture cross section



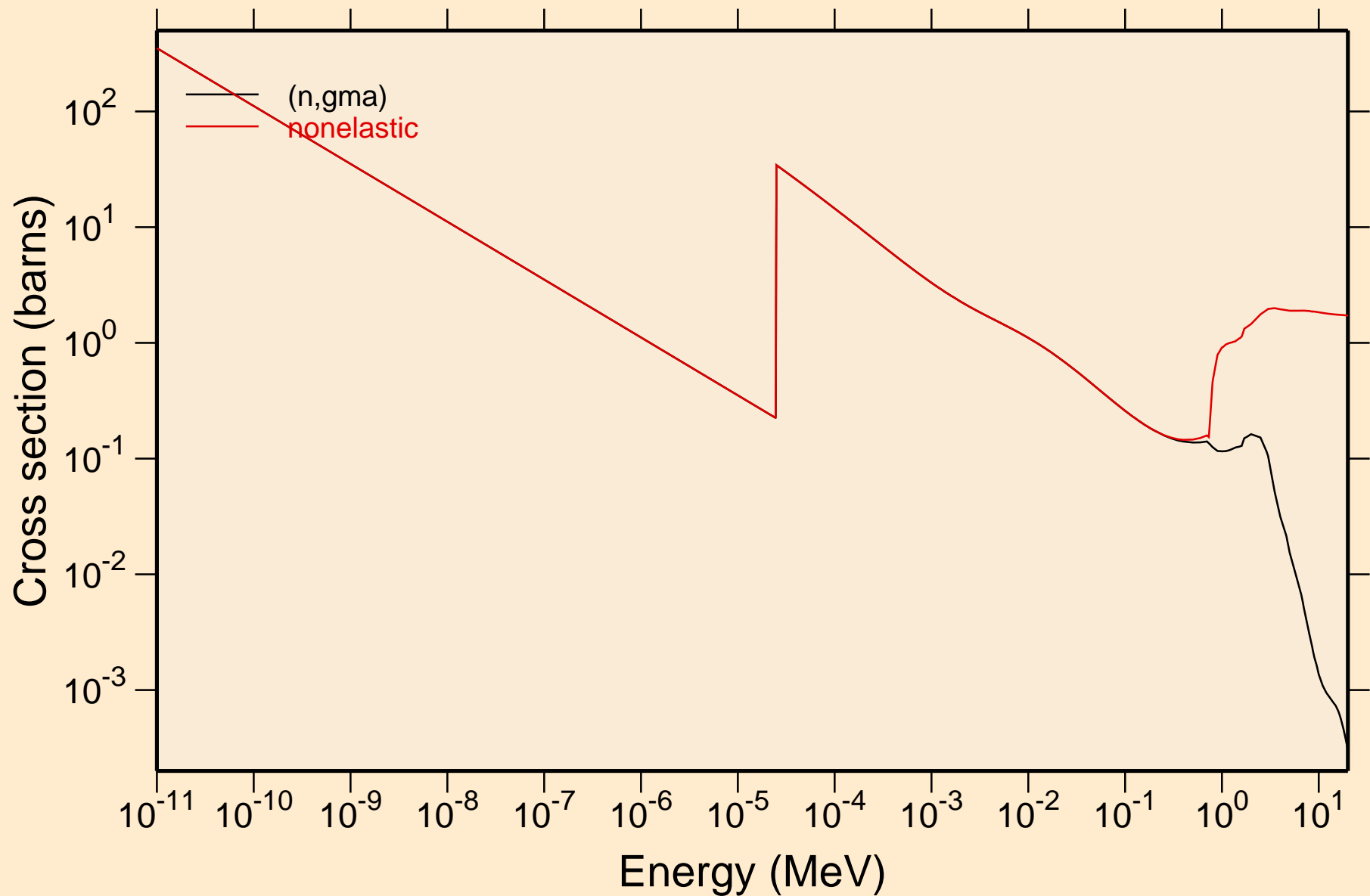
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



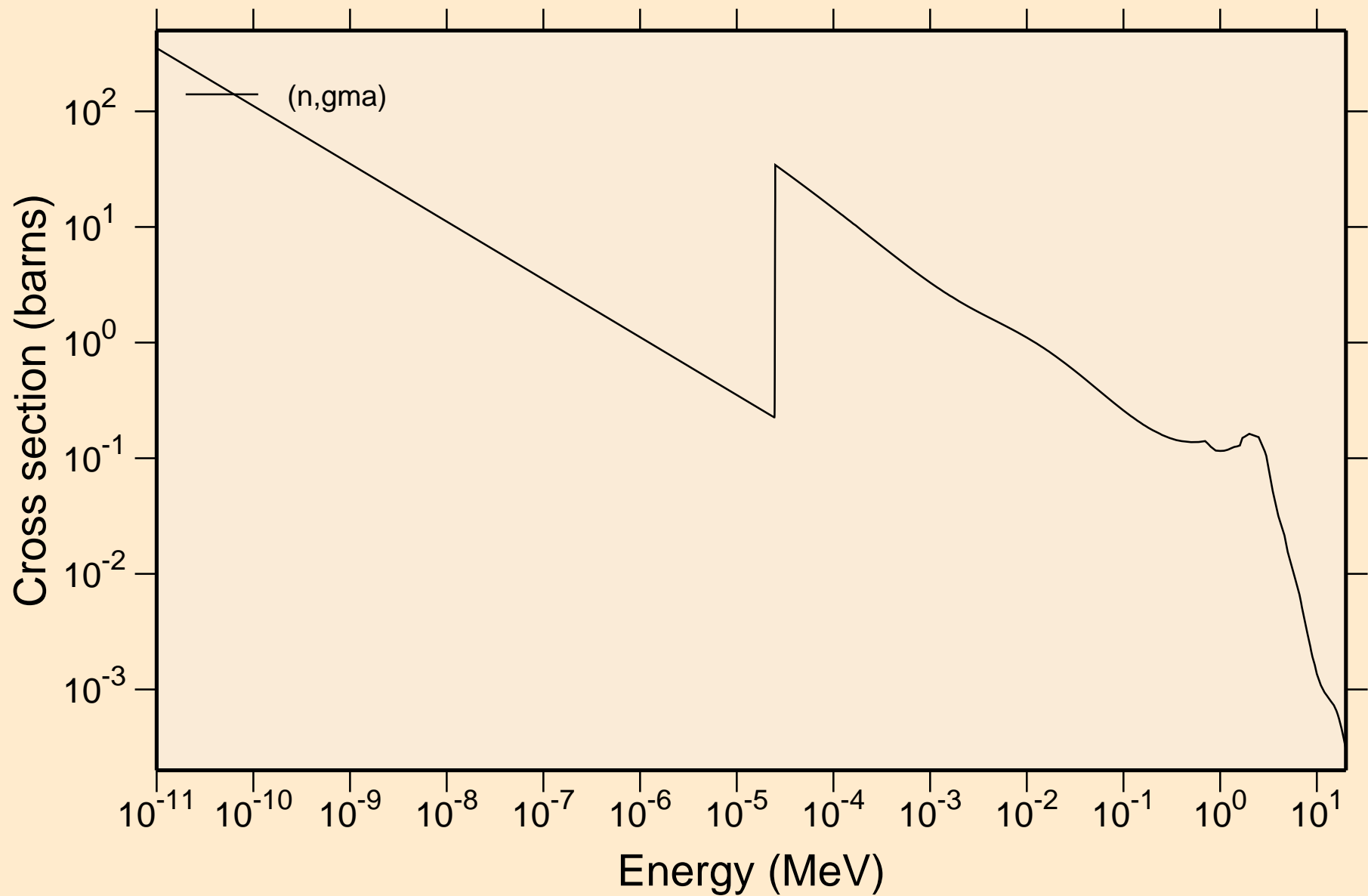
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions



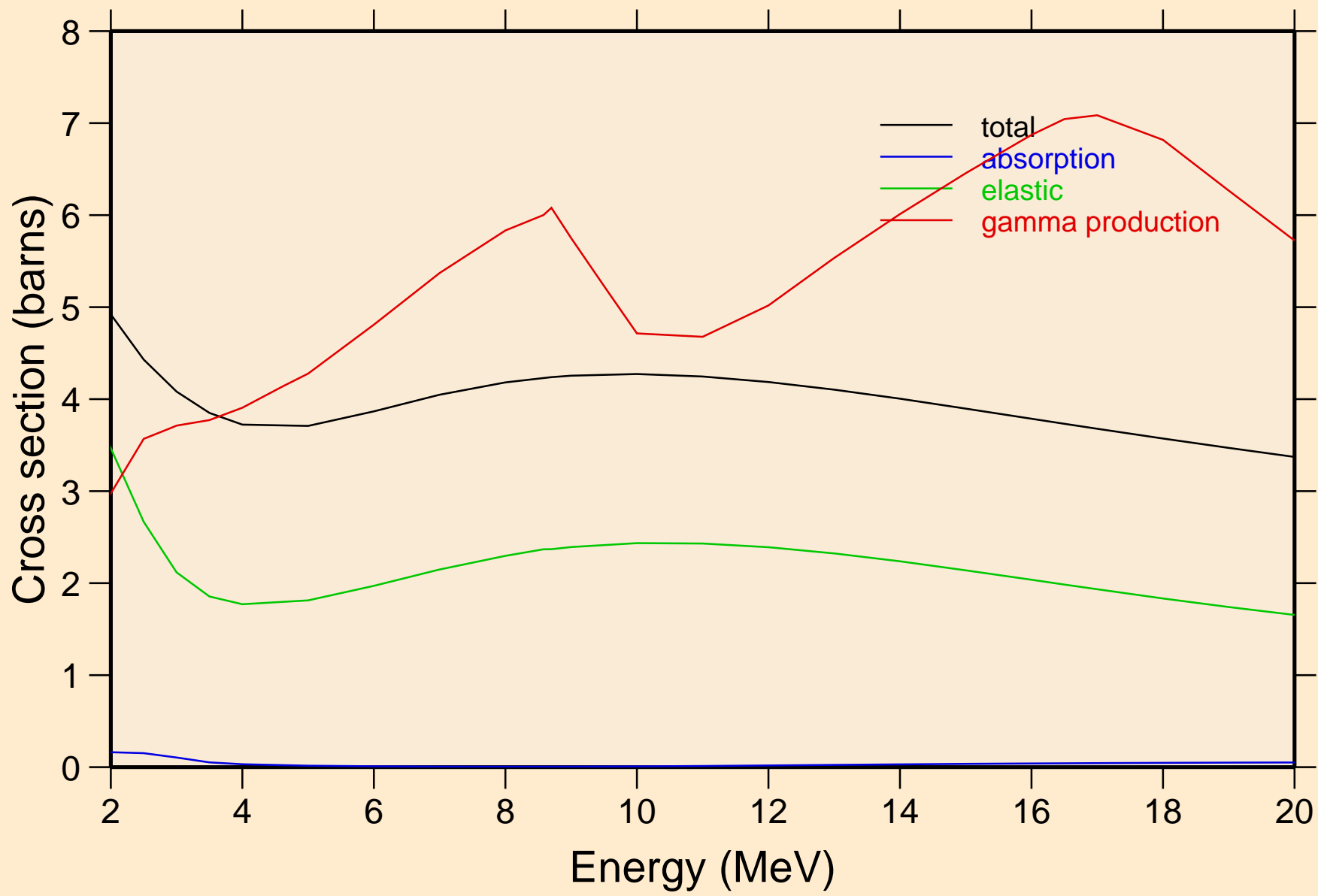
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Non-threshold reactions



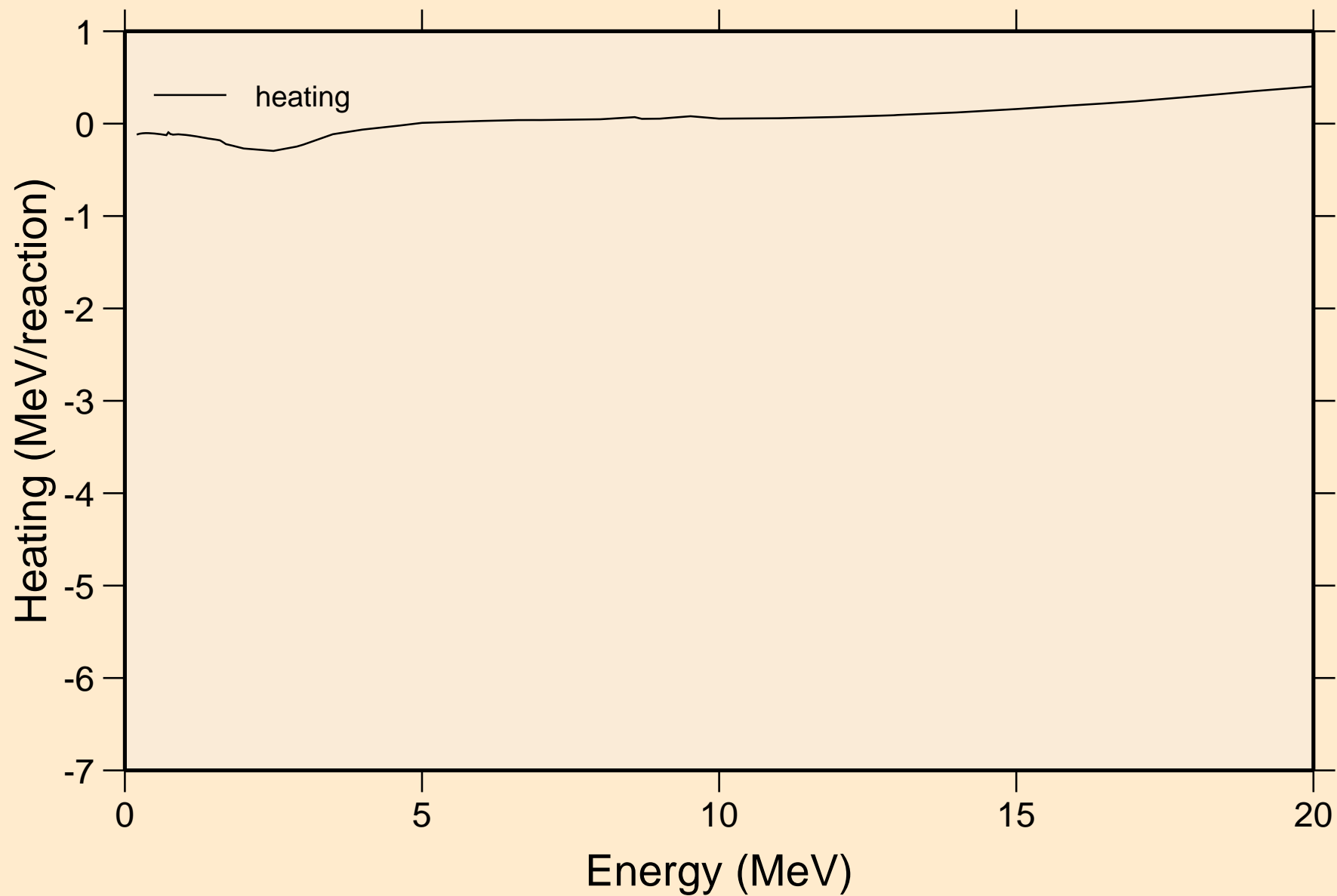


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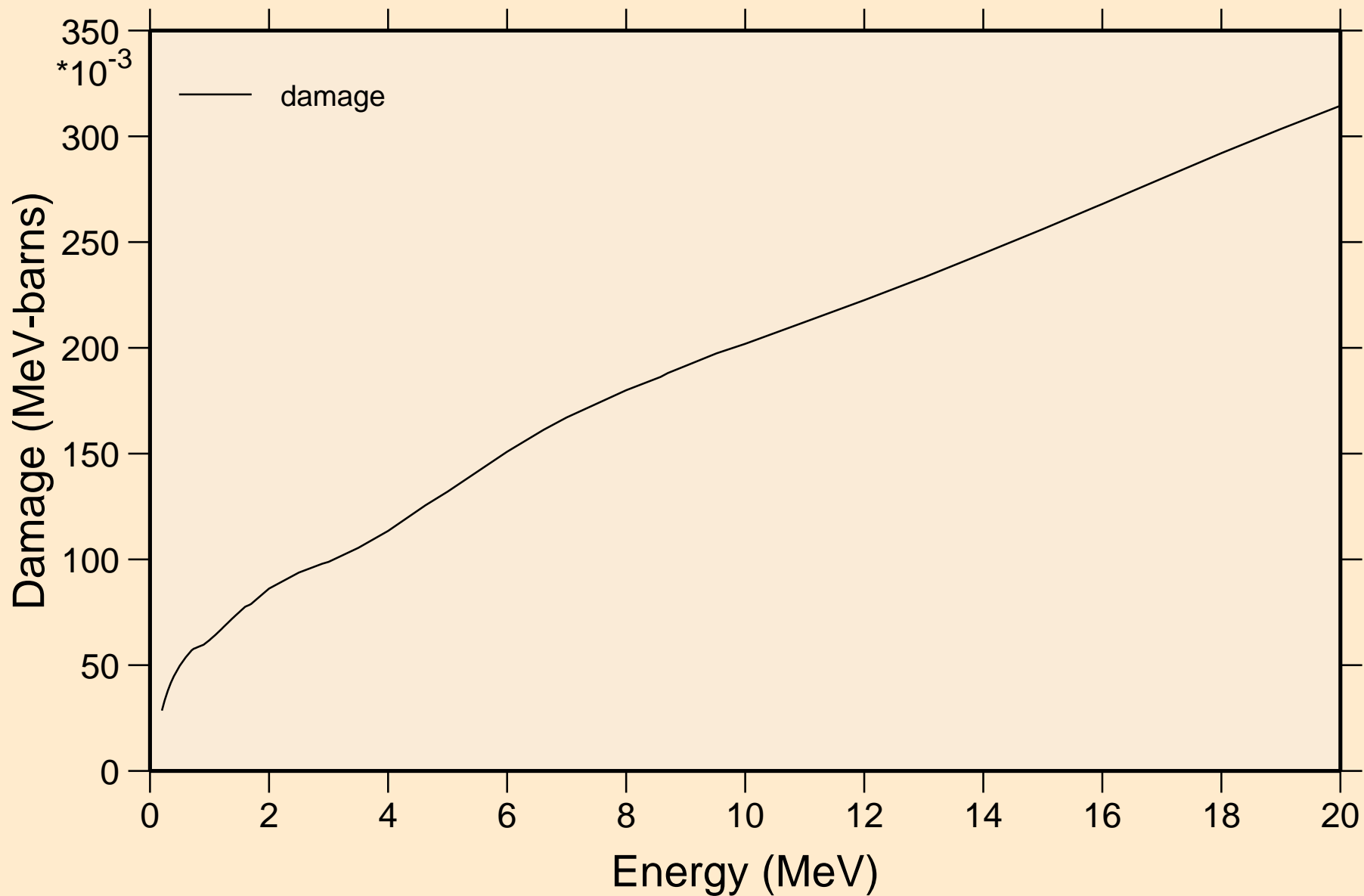
## Principal cross sections



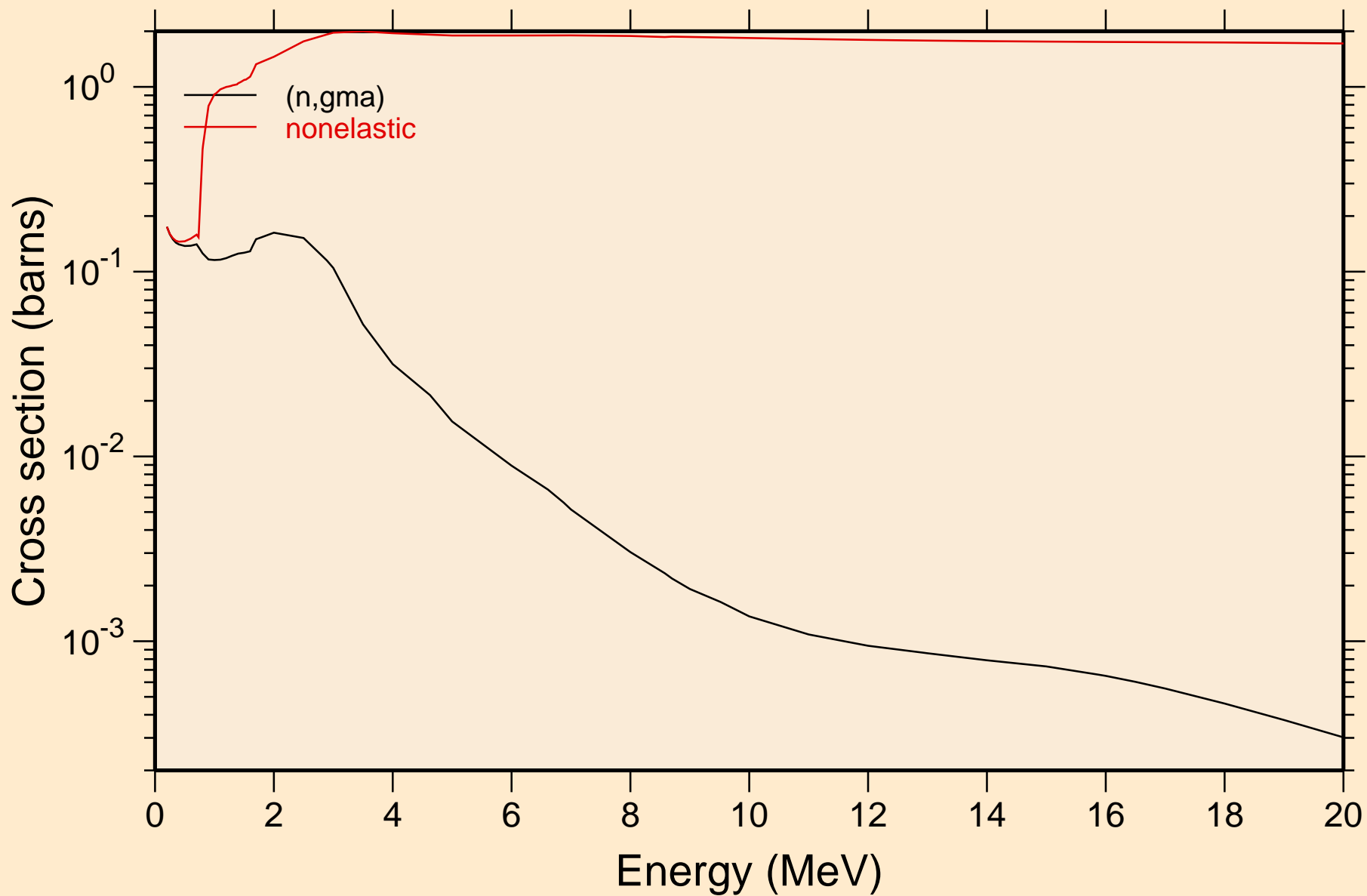
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



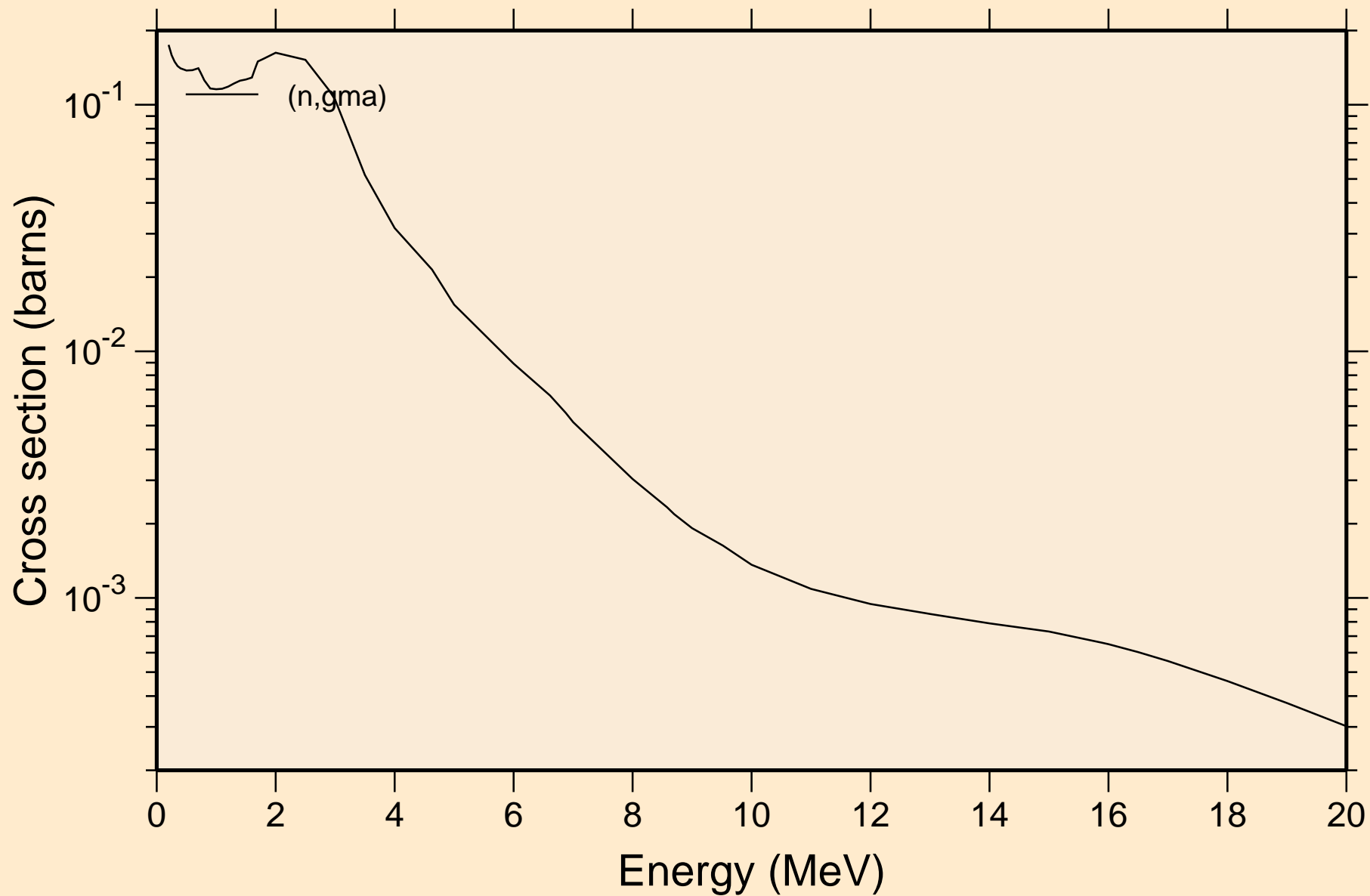
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage



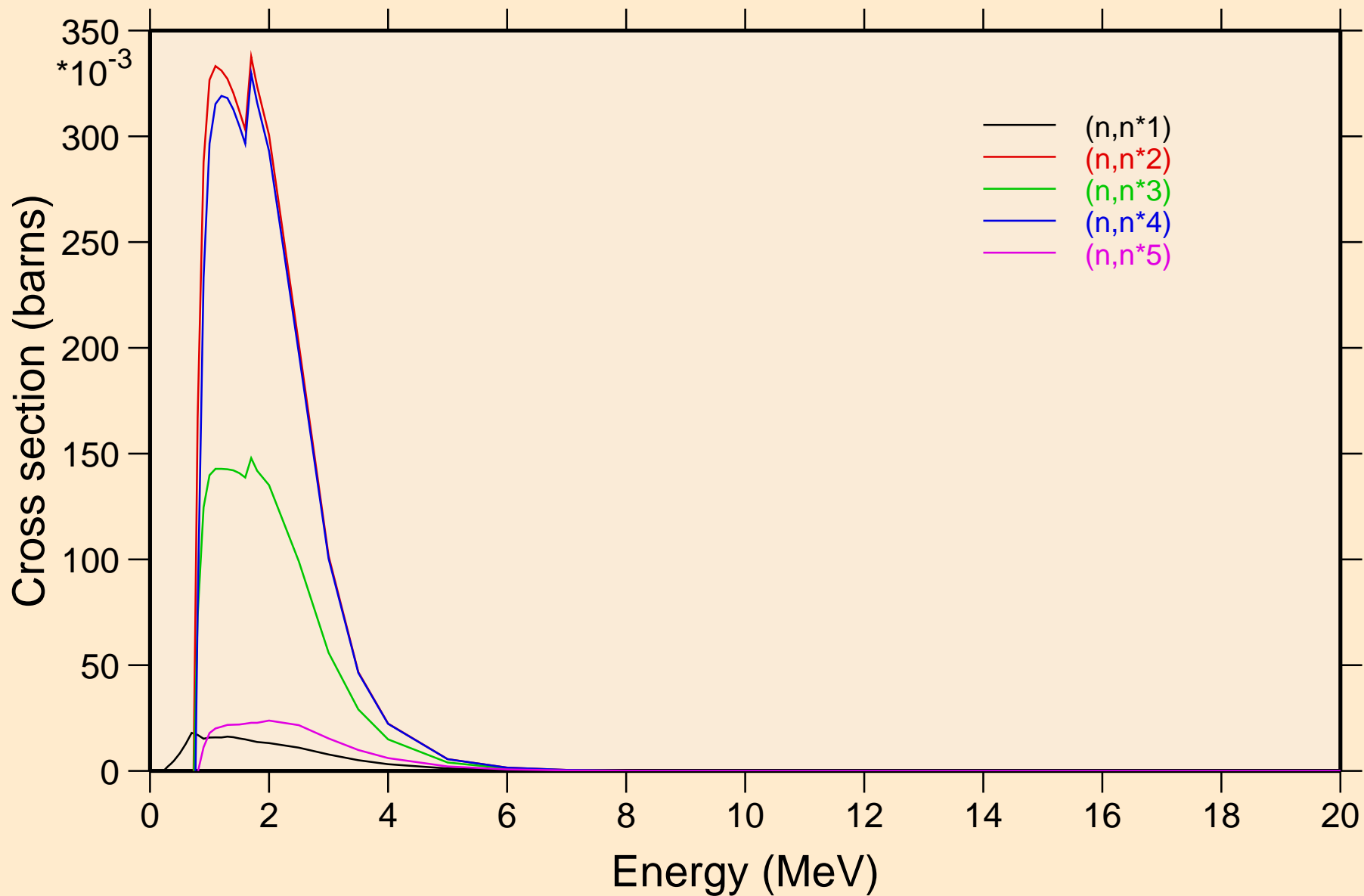
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Non-threshold reactions



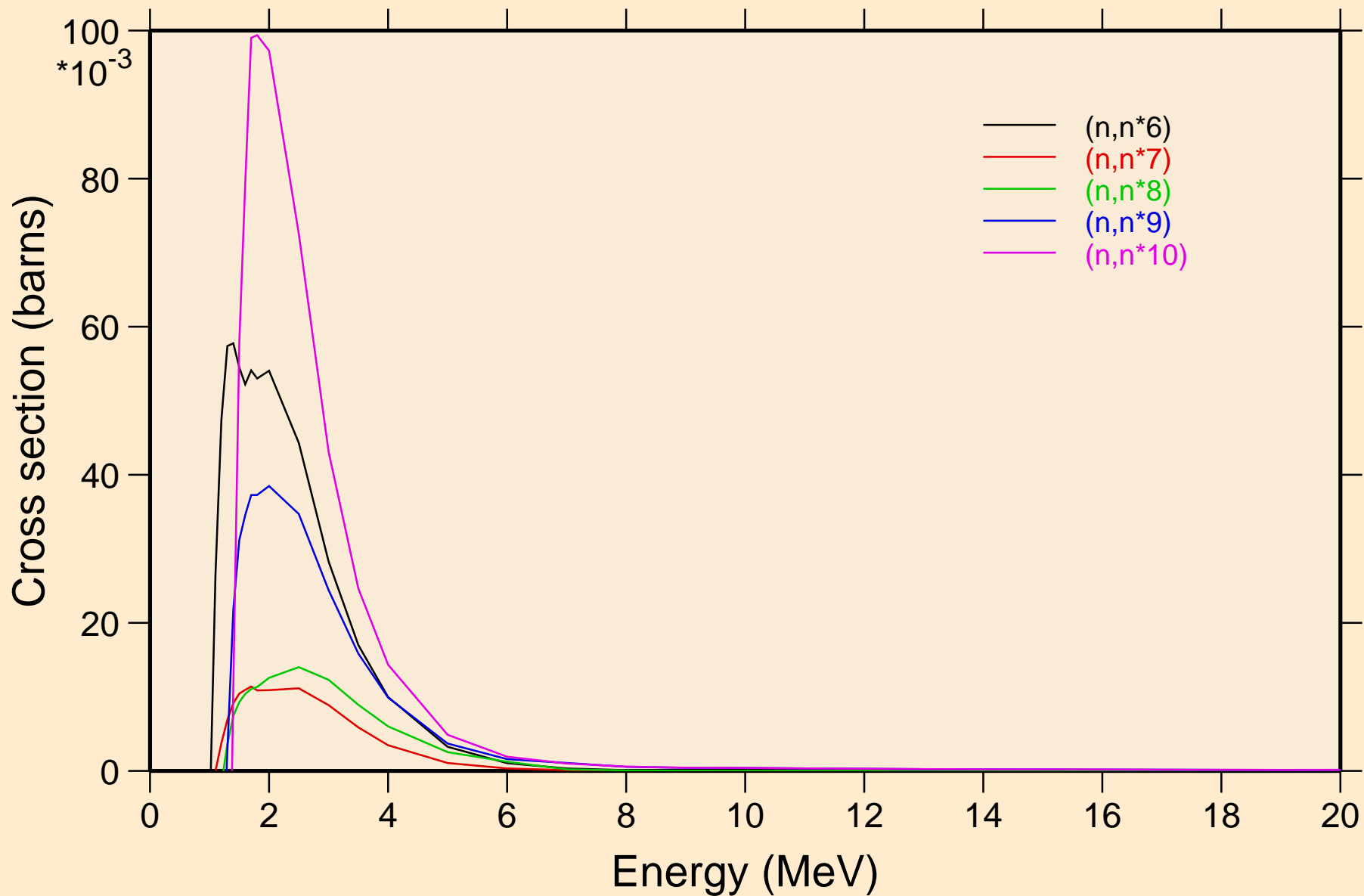
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Non-threshold reactions



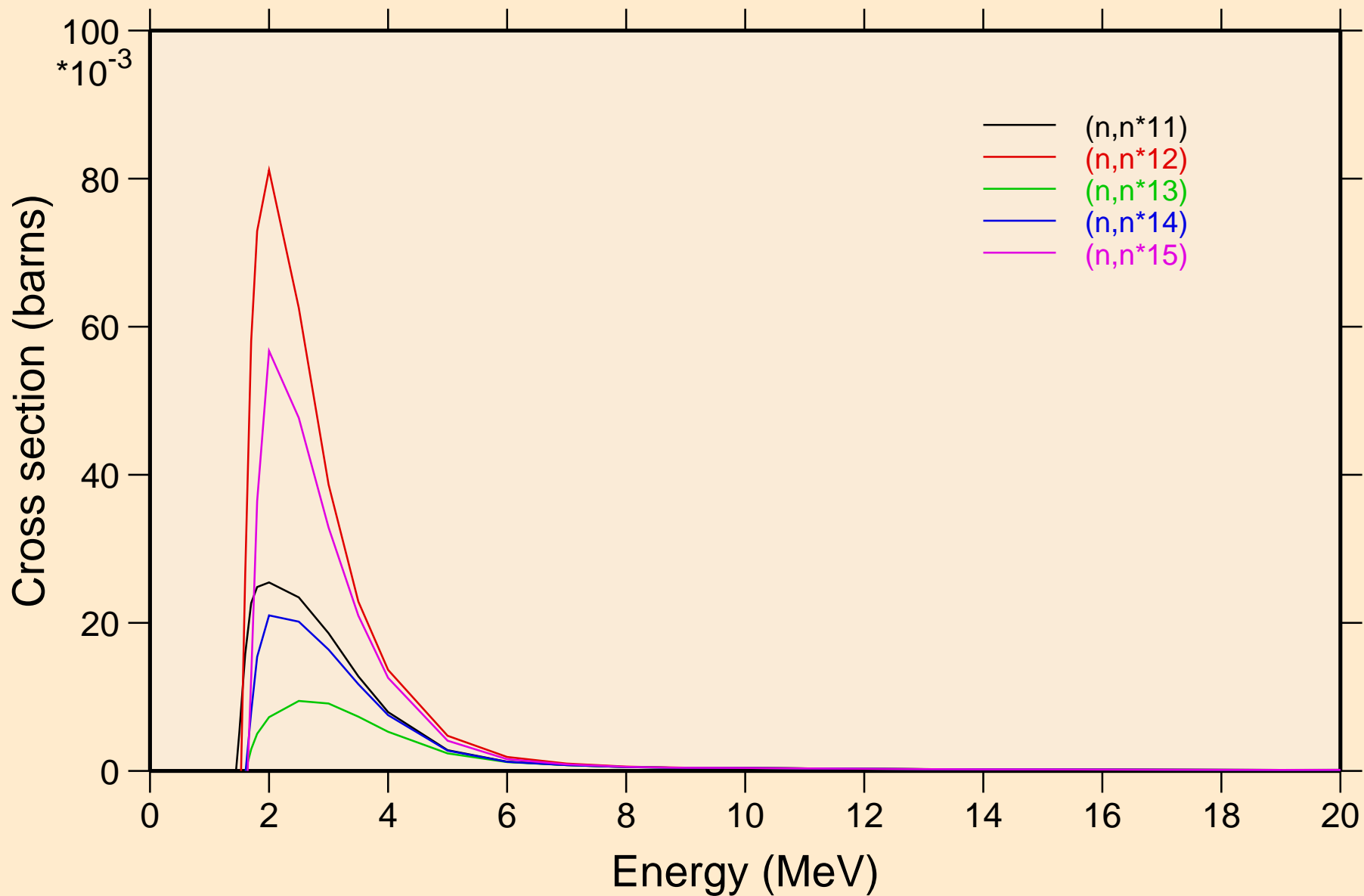
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

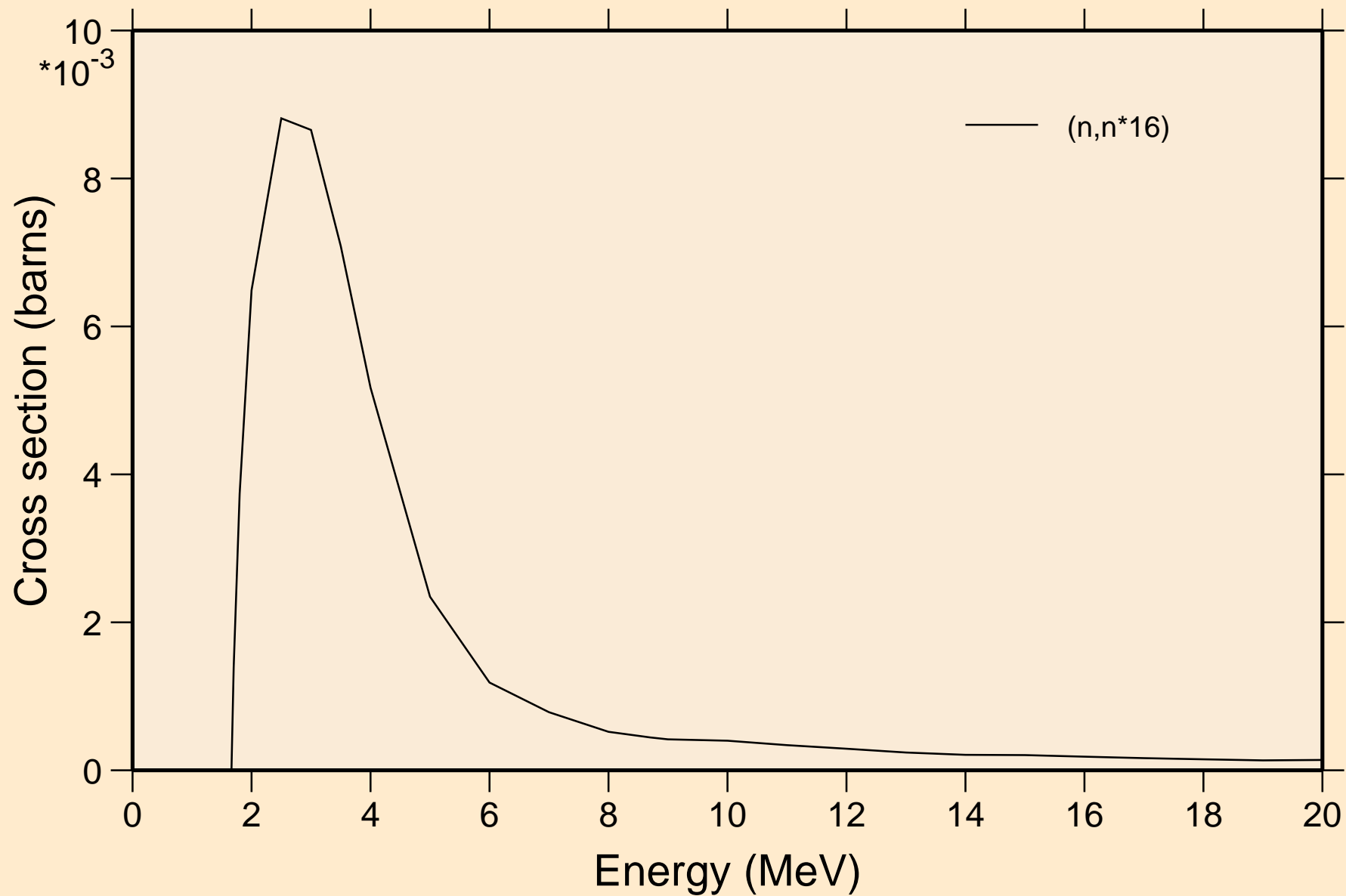


MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

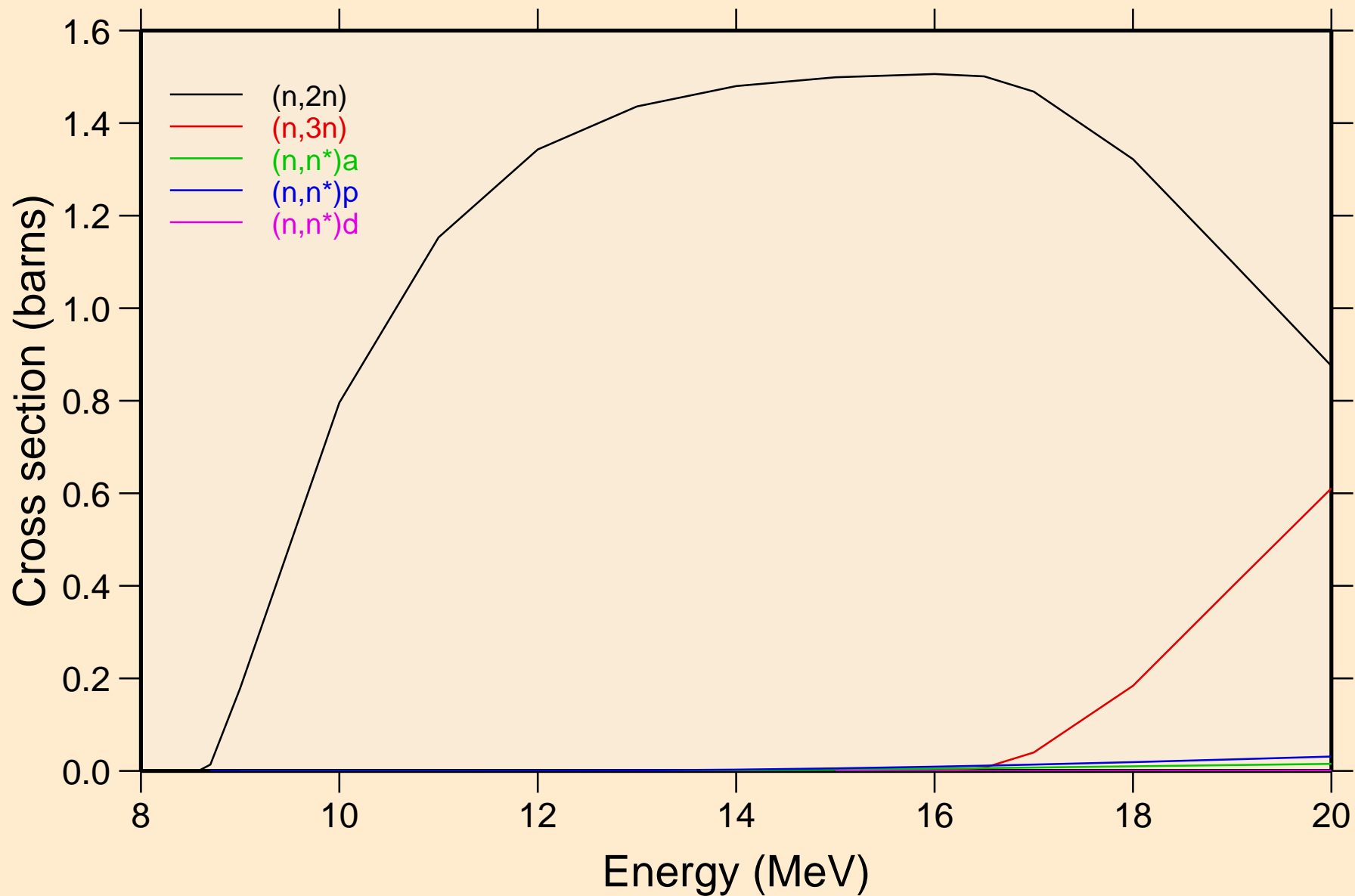




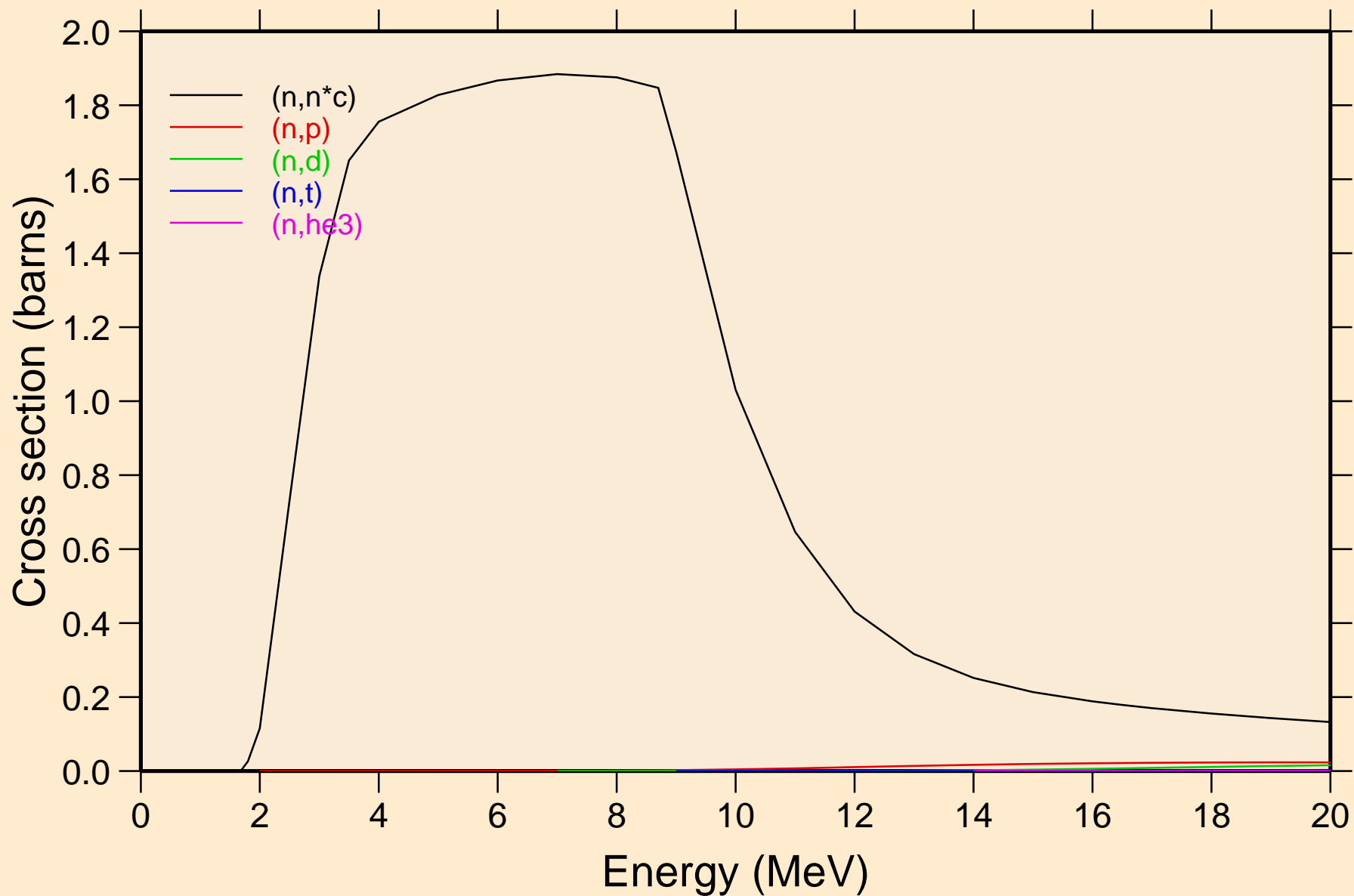
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Inelastic levels



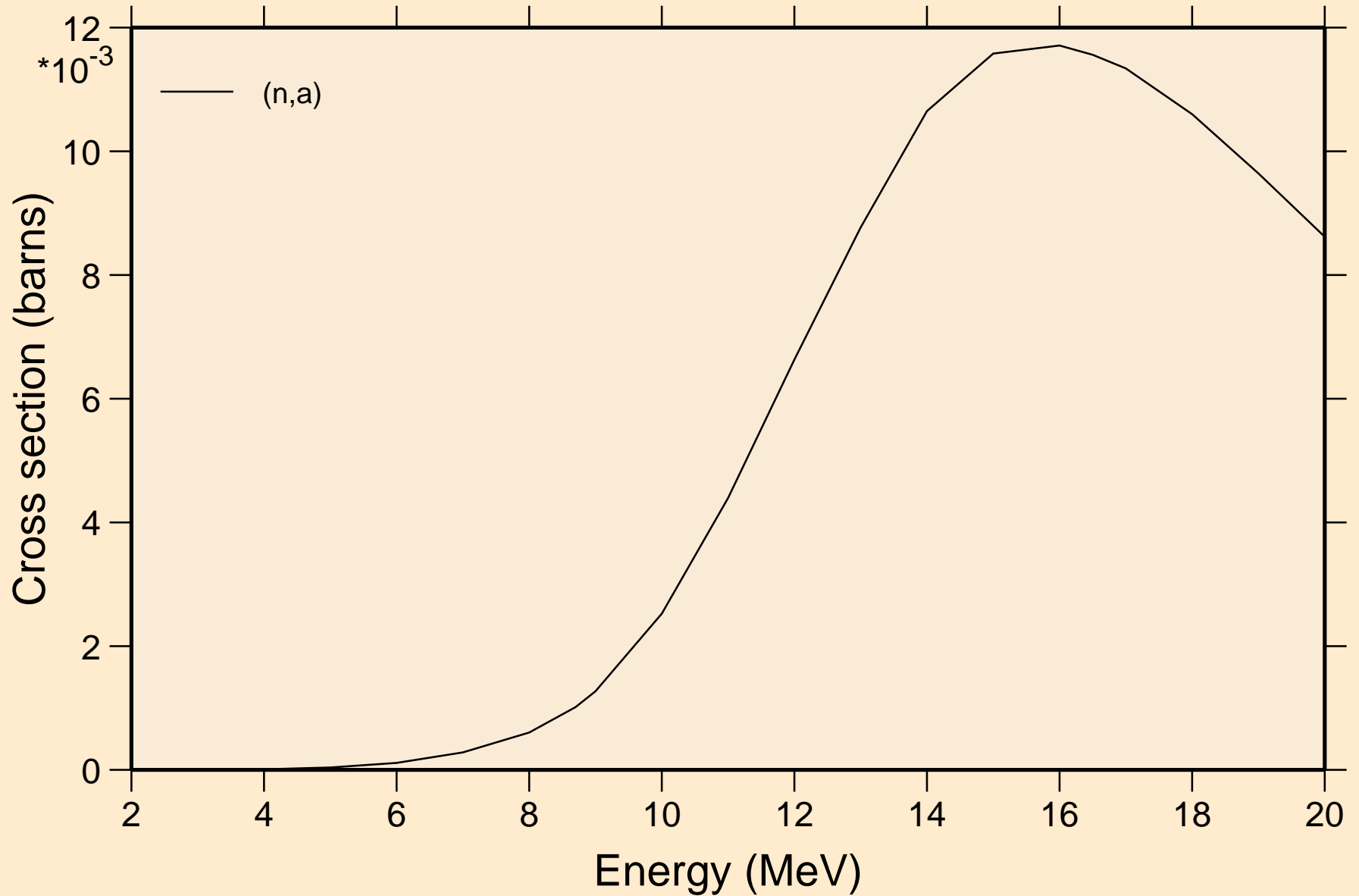
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



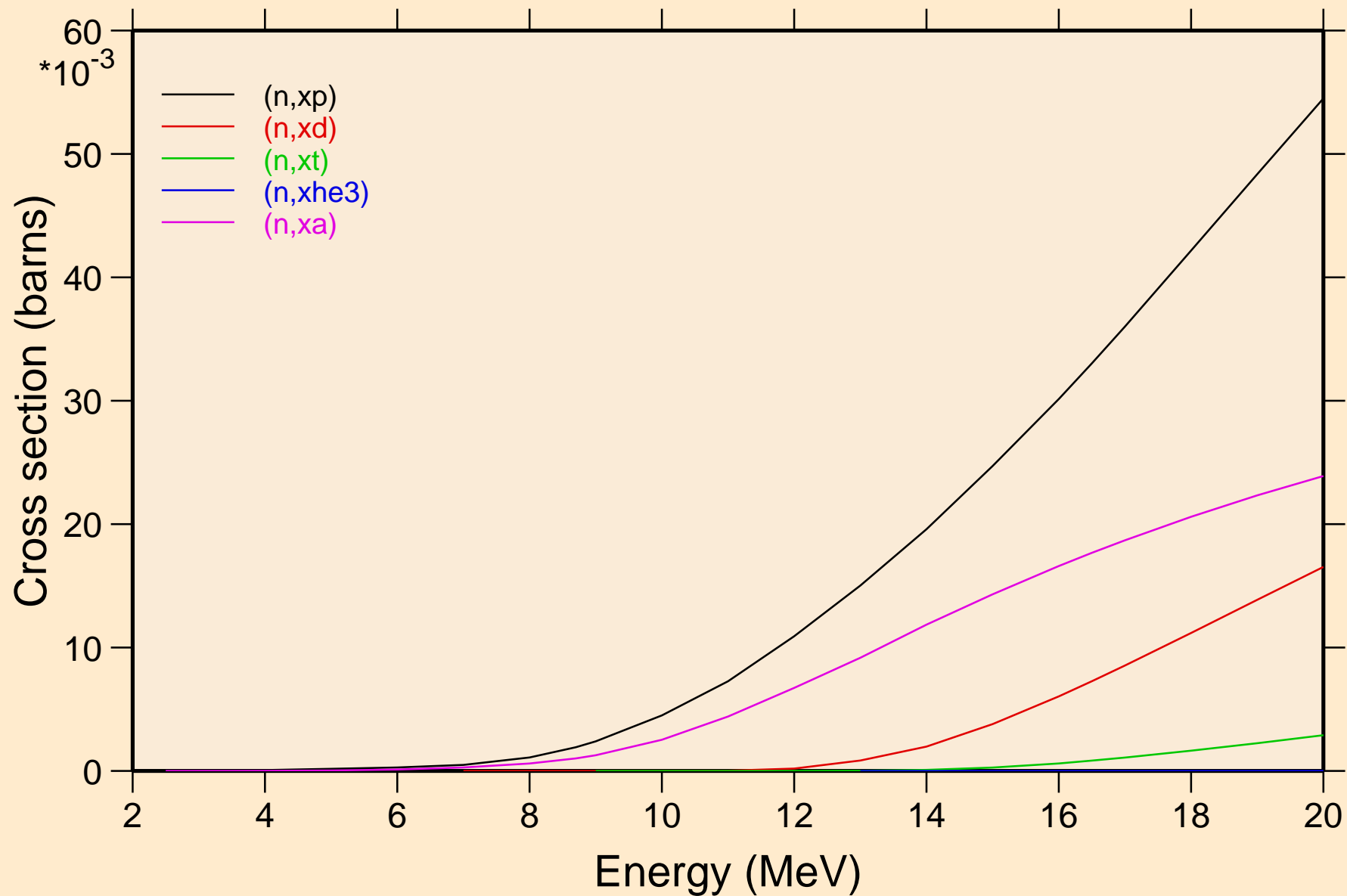
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



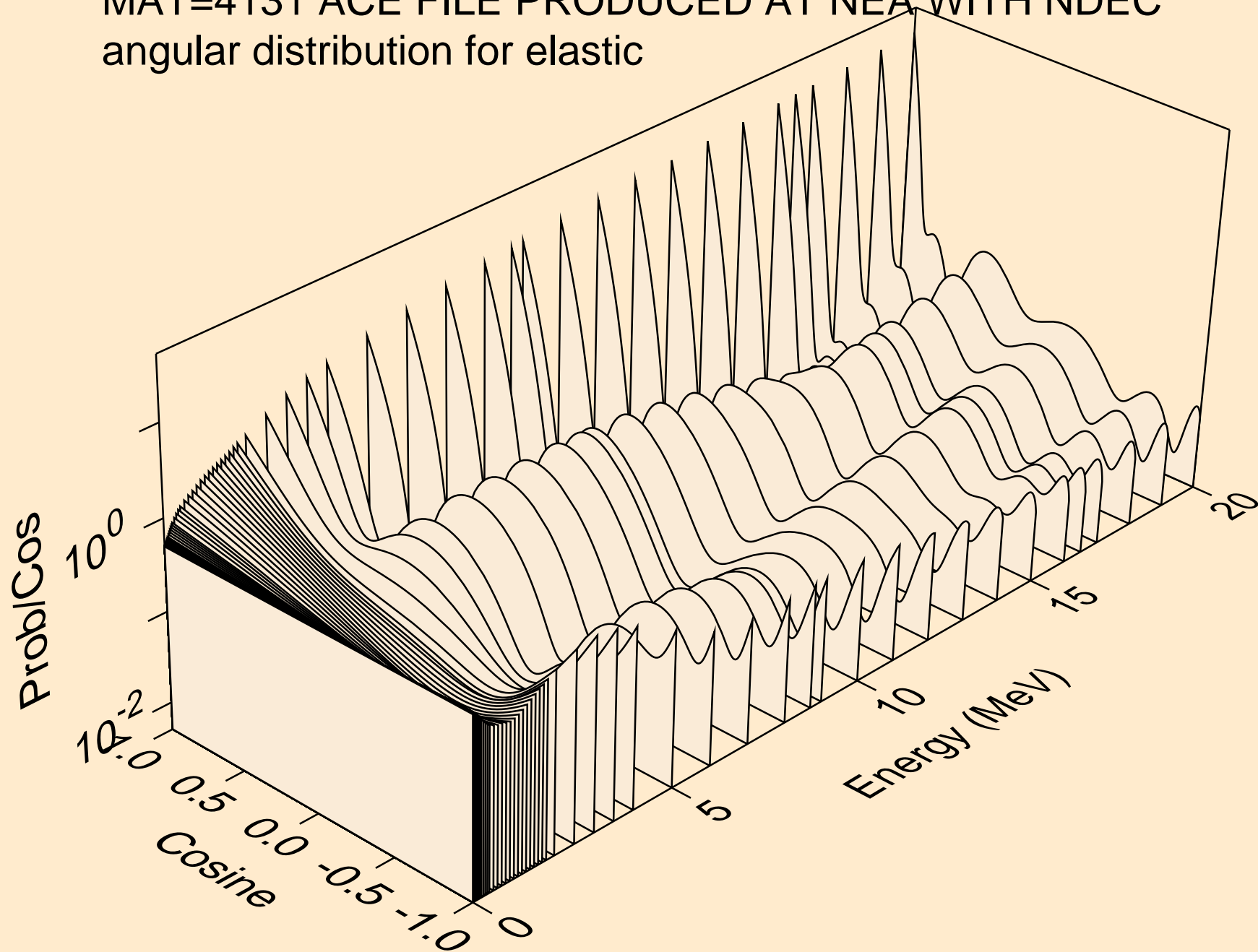
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



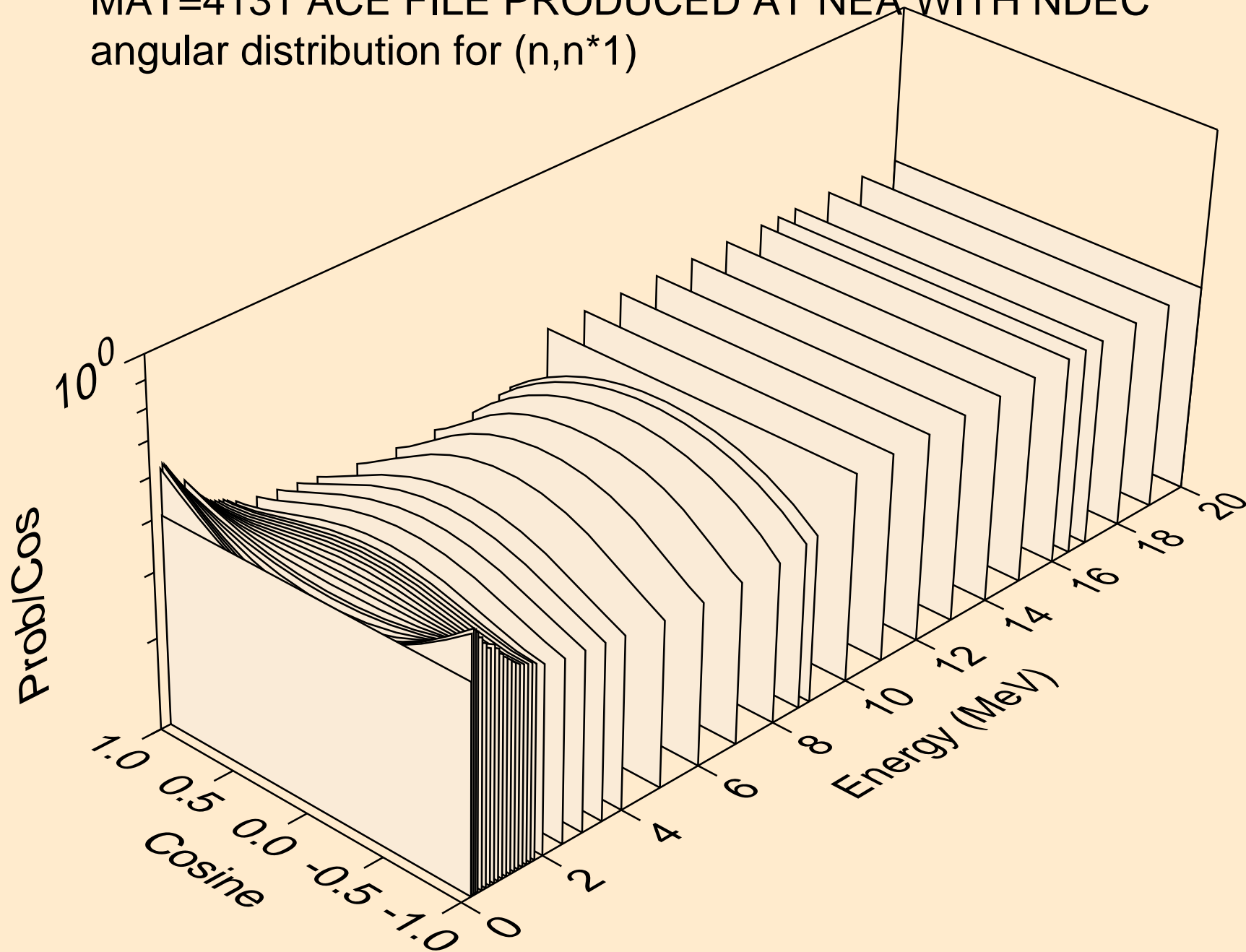
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Threshold reactions



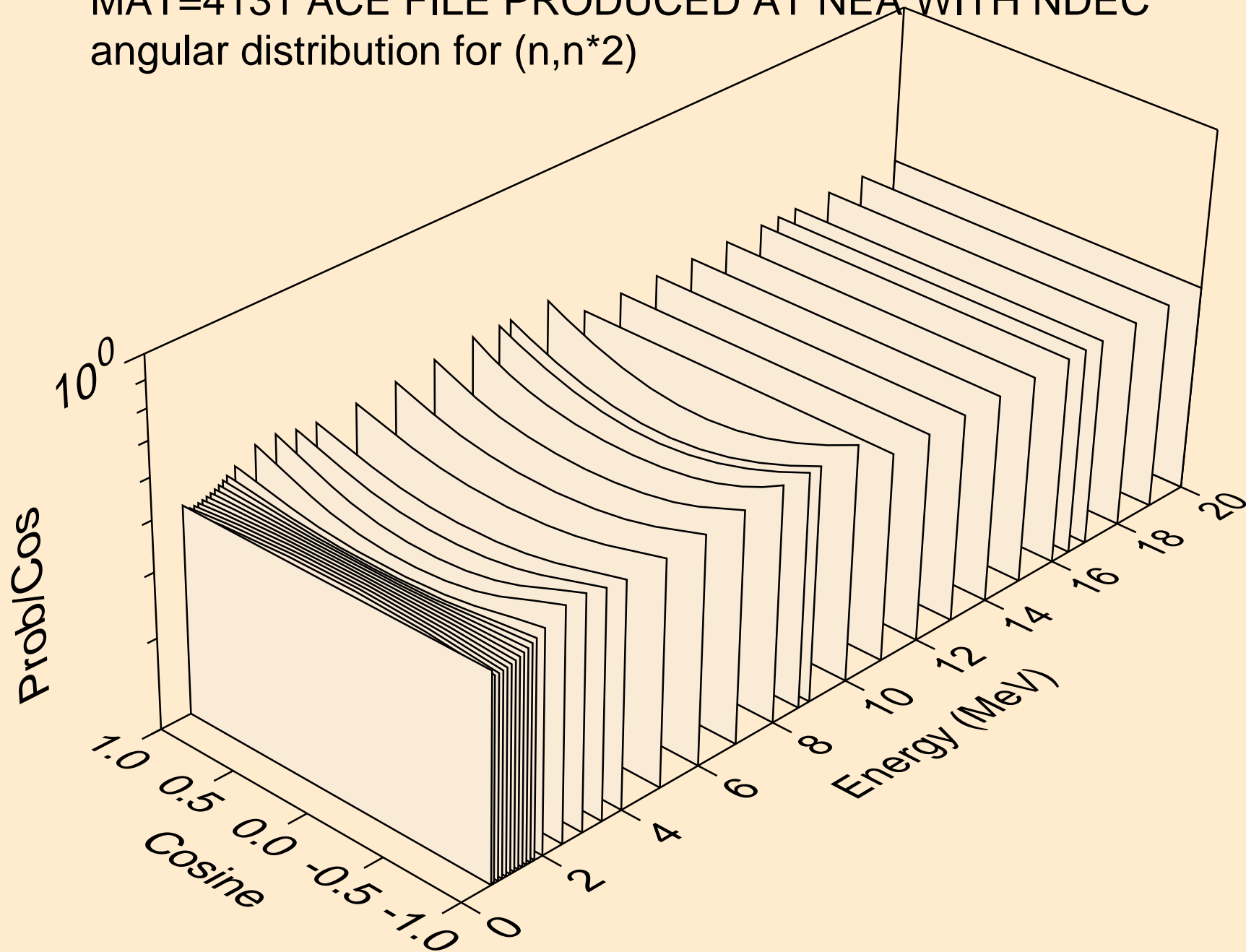
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for elastic



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*1)

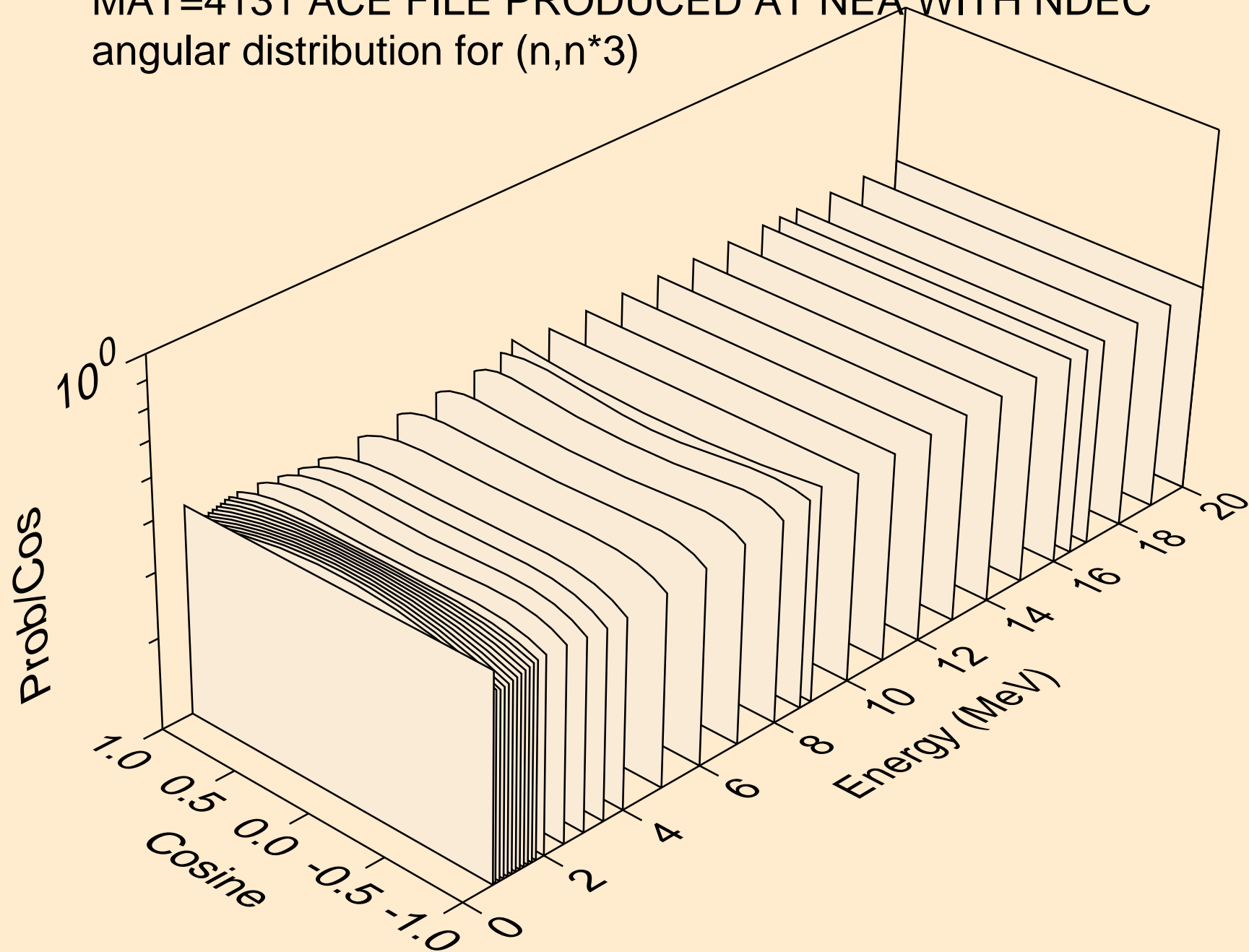


MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*2)

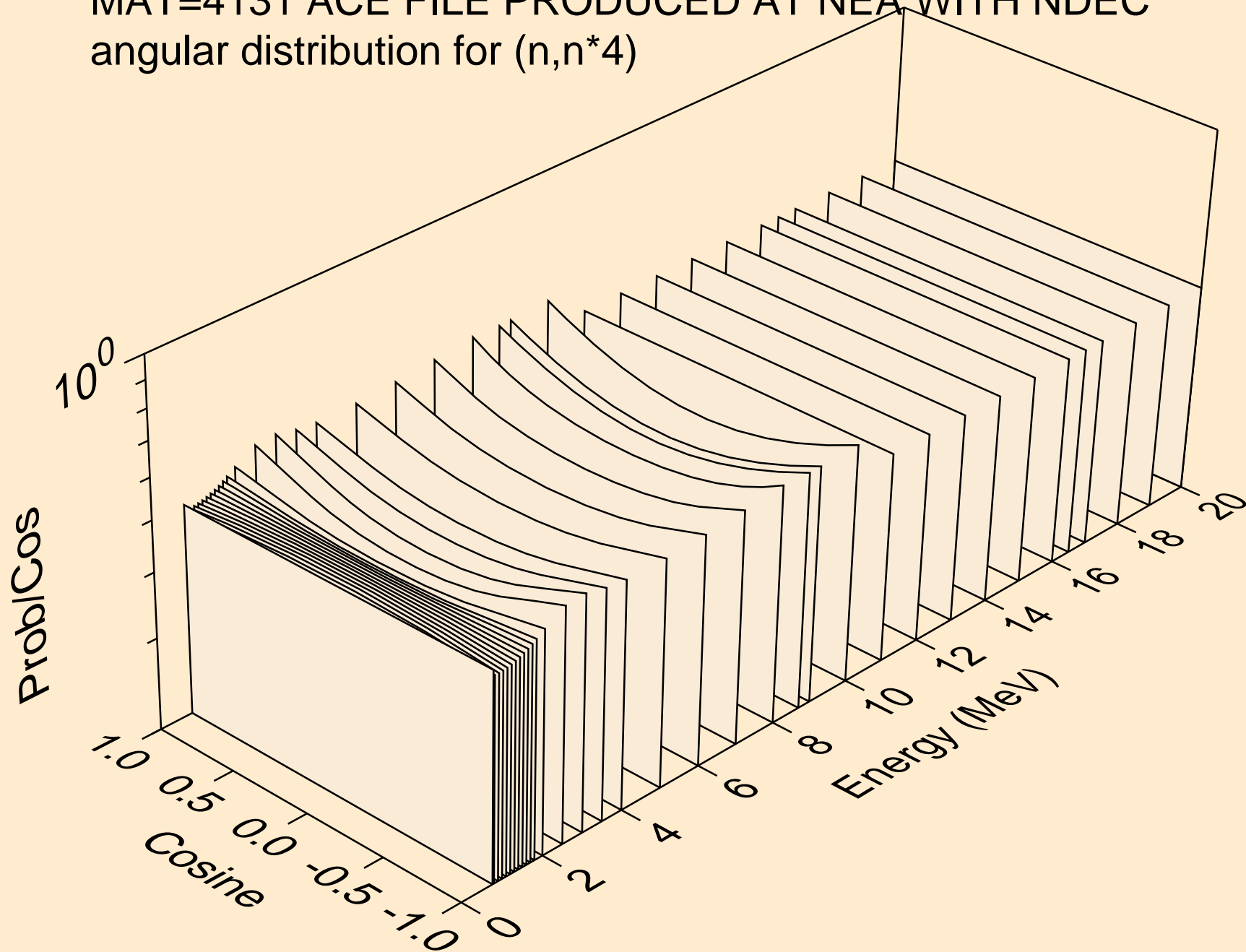




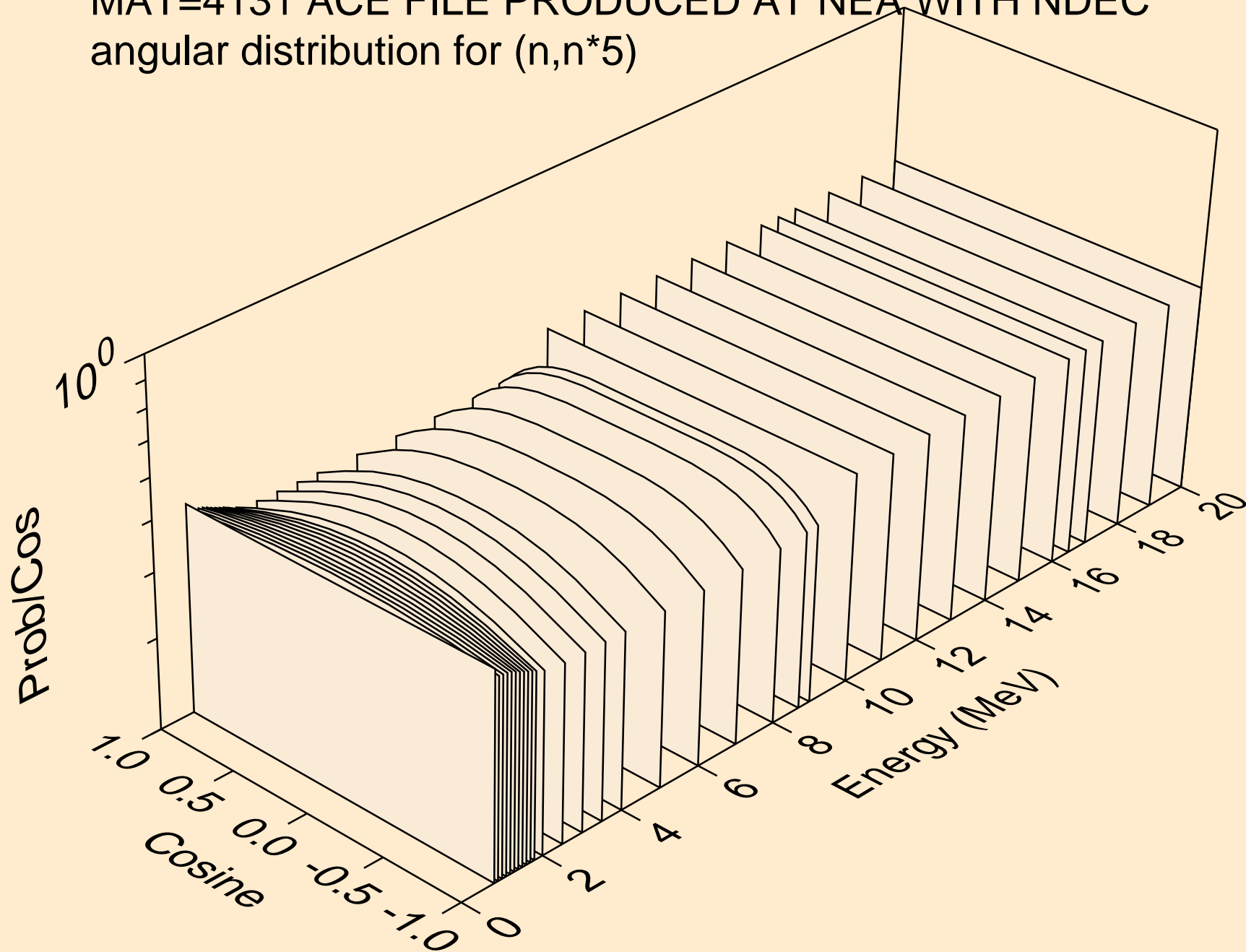
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*3)



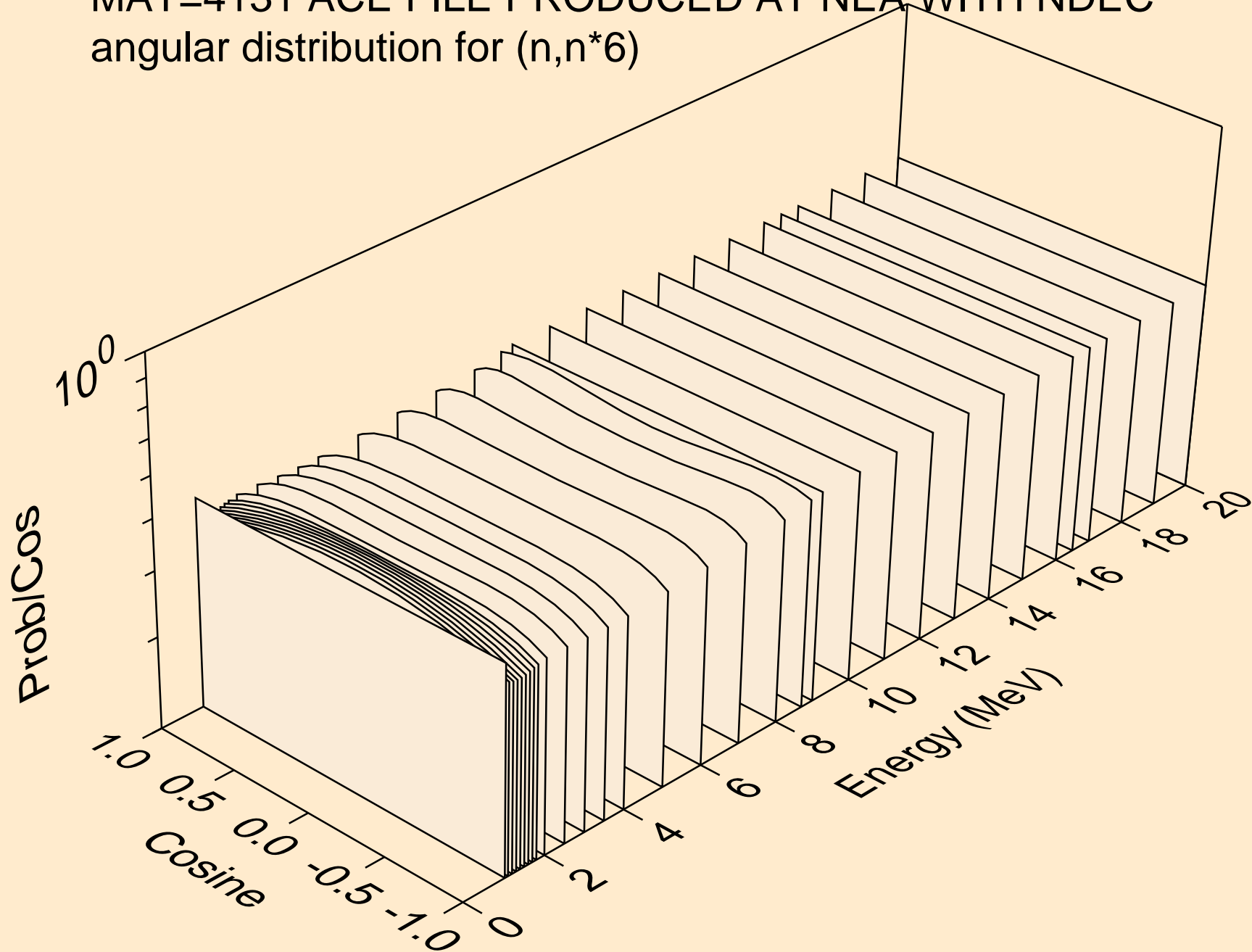
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angular distribution for (n,n\*4)



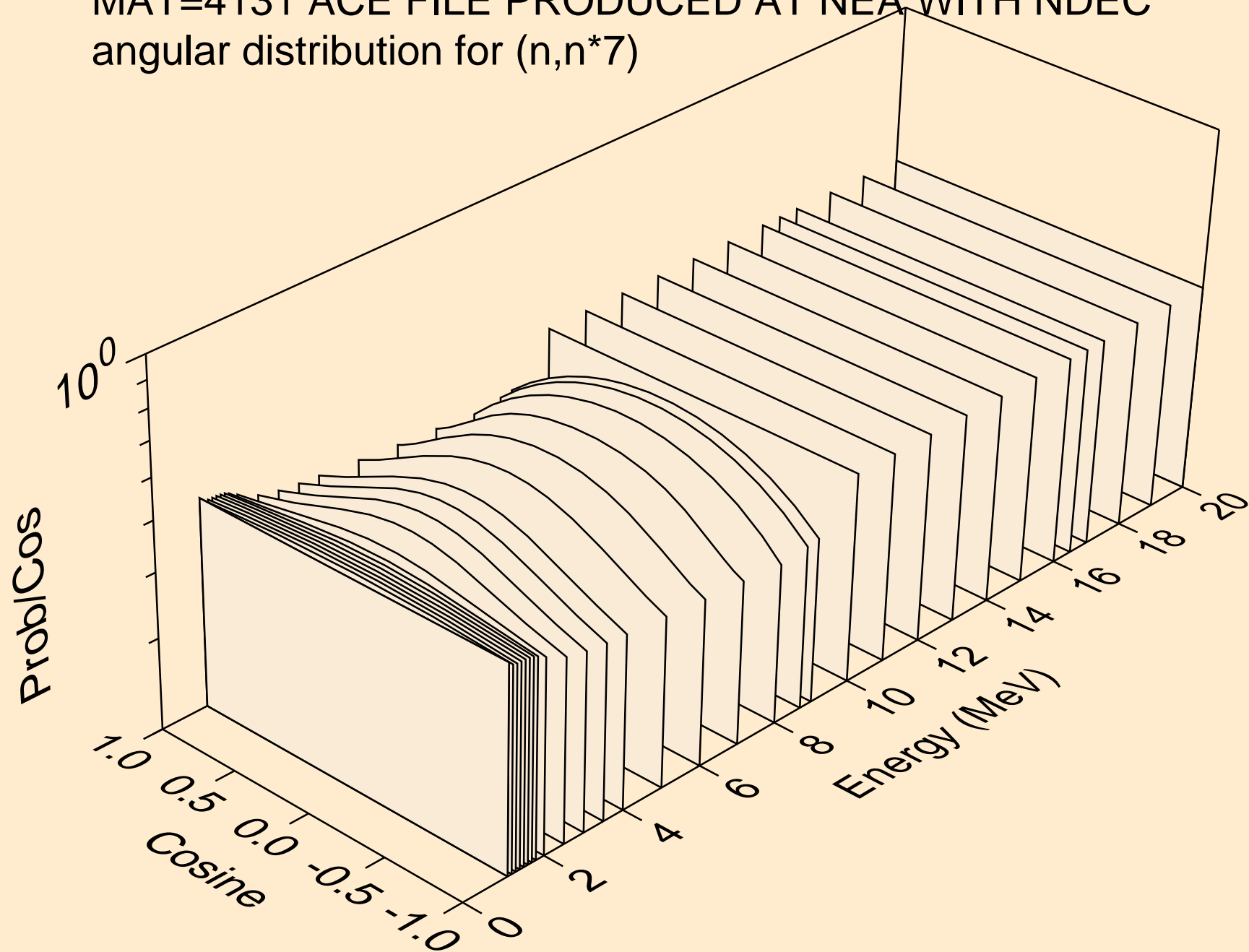
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angular distribution for (n,n\*5)



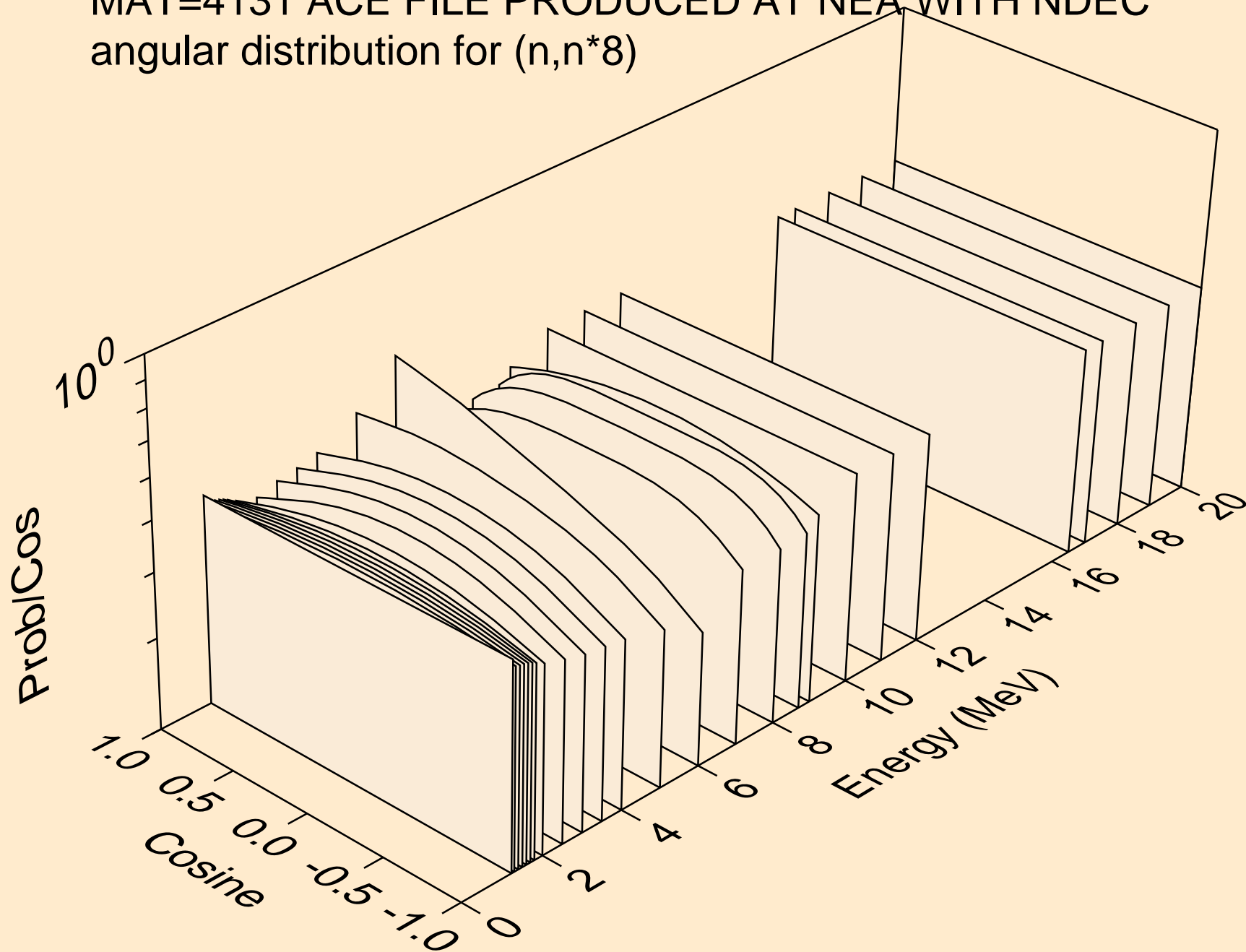
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*6)



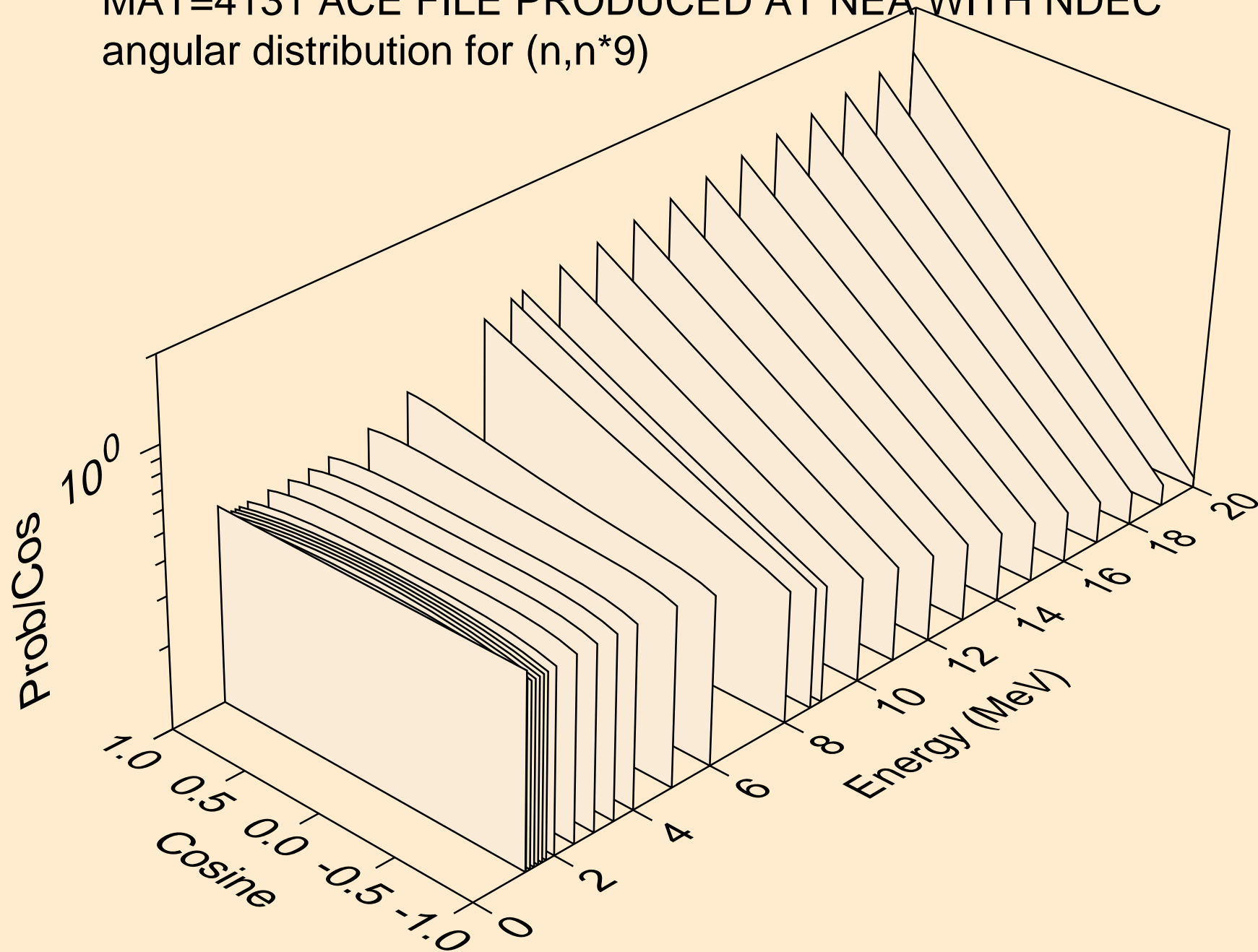
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angular distribution for (n,n\*7)



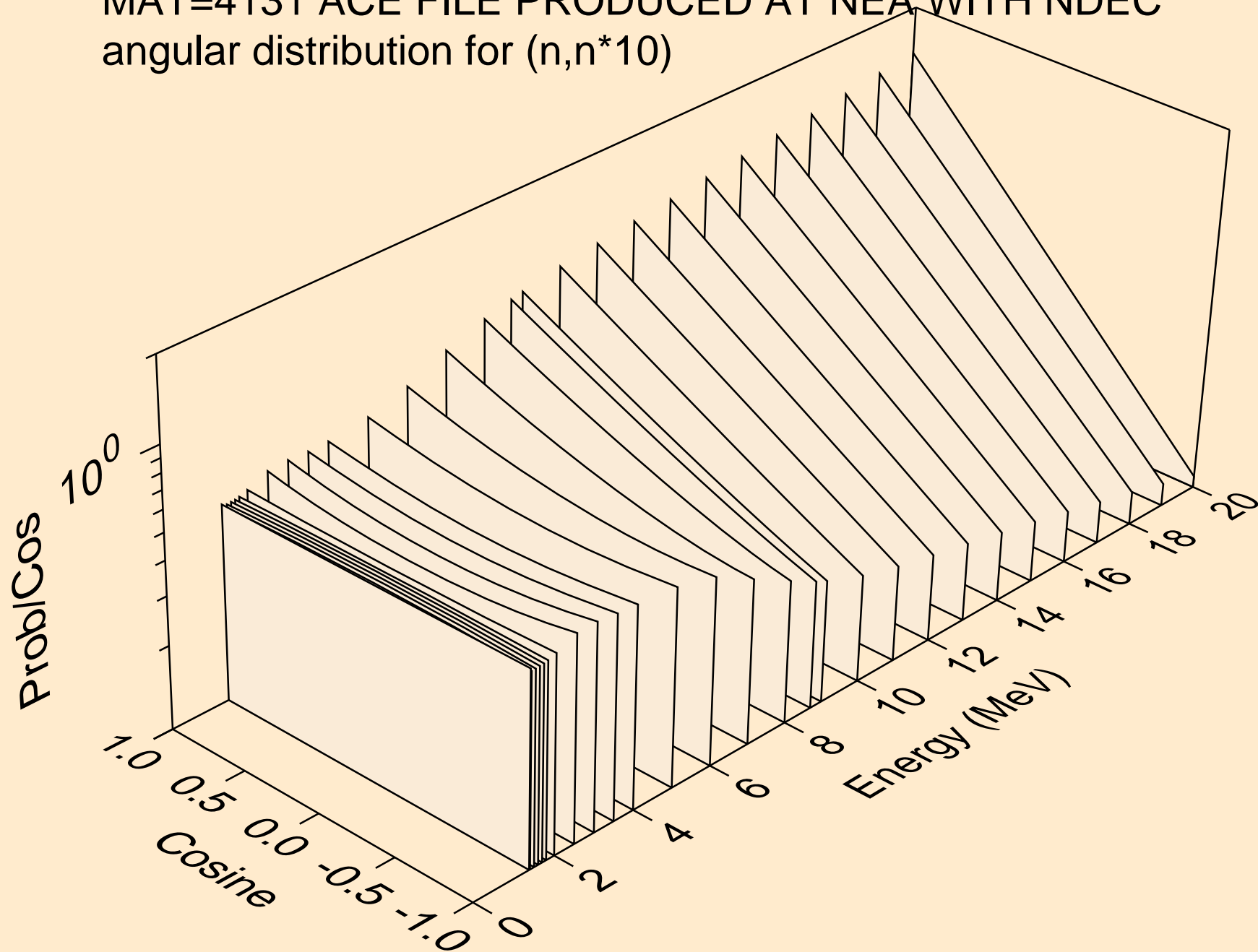
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*8)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*9)

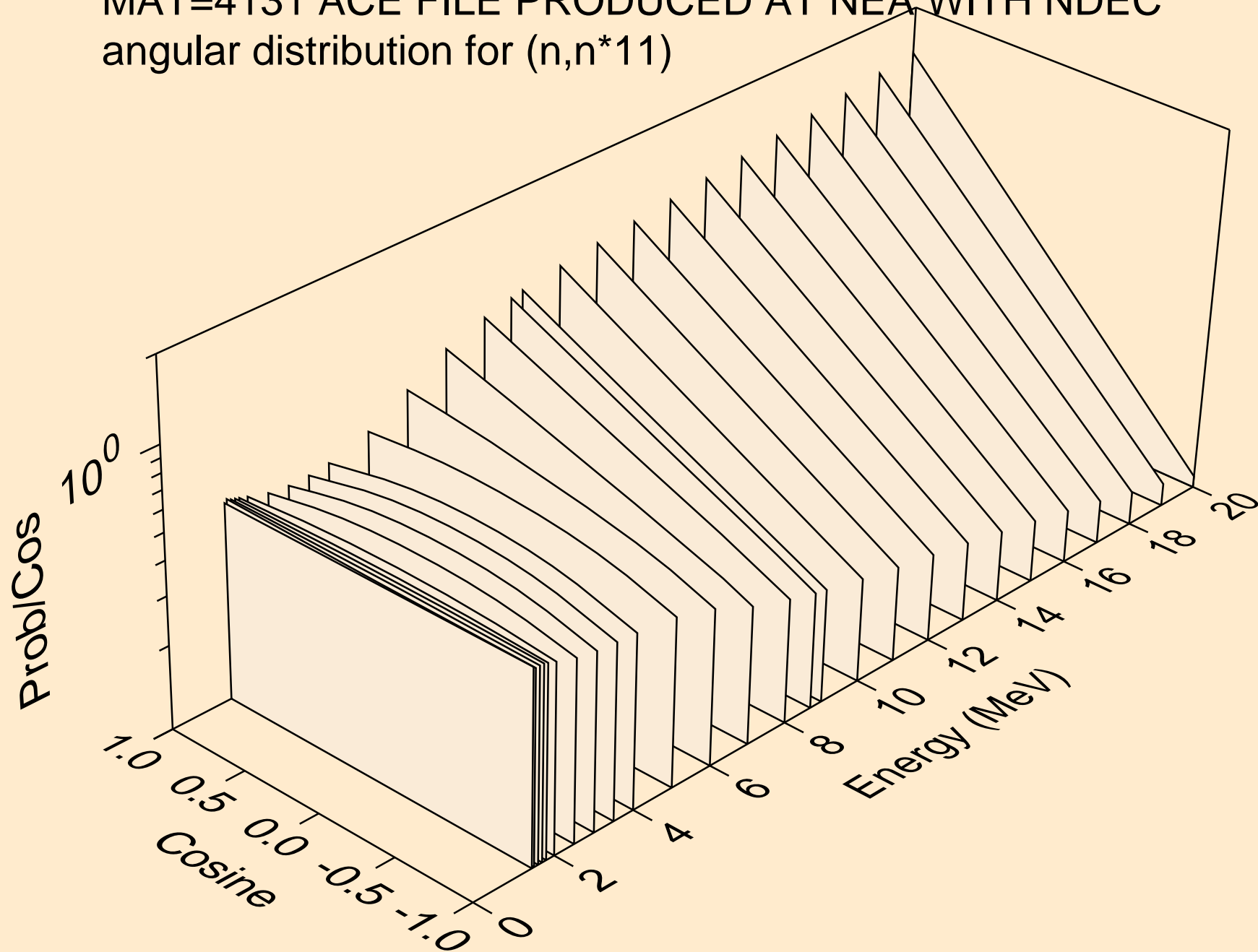


MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*10)

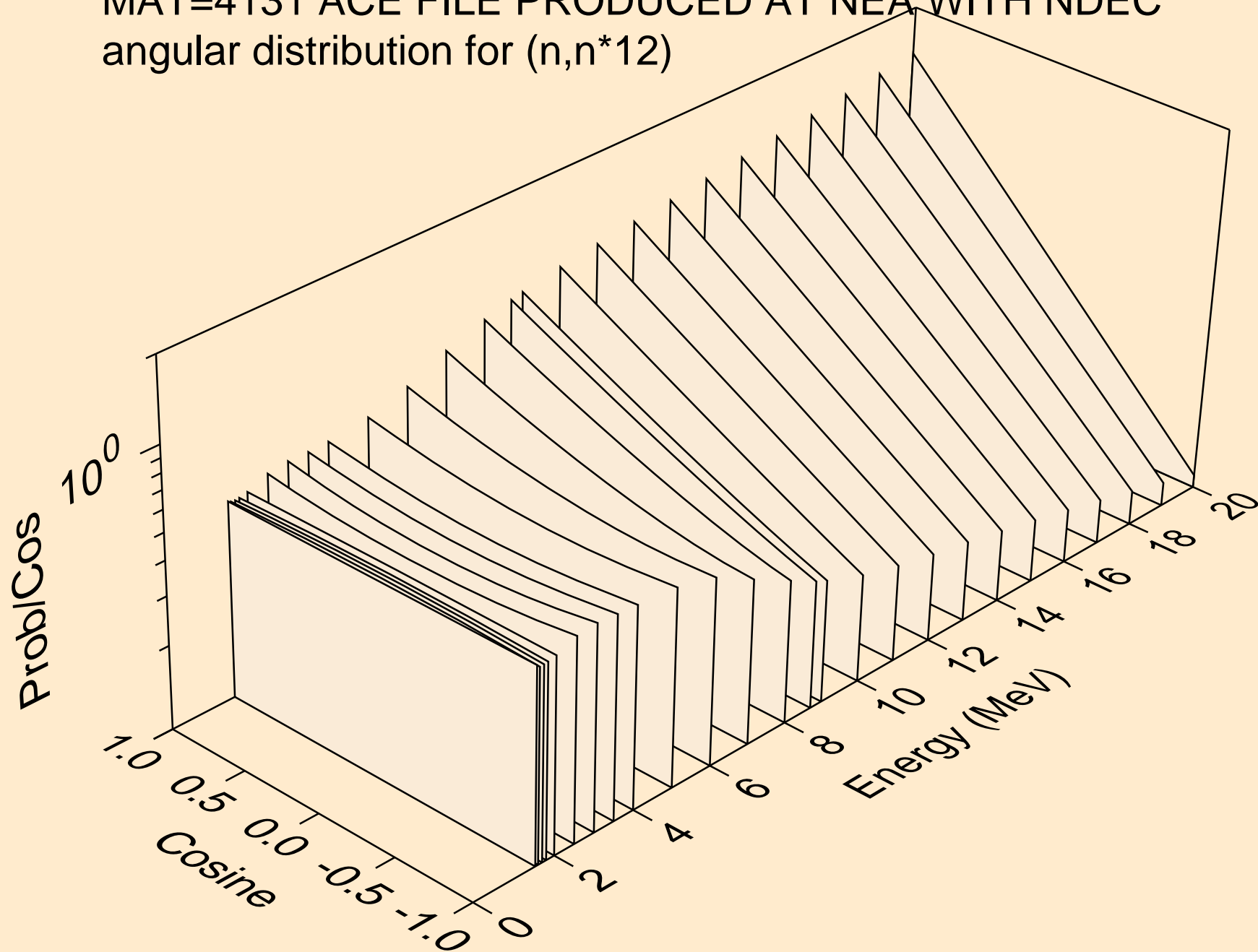




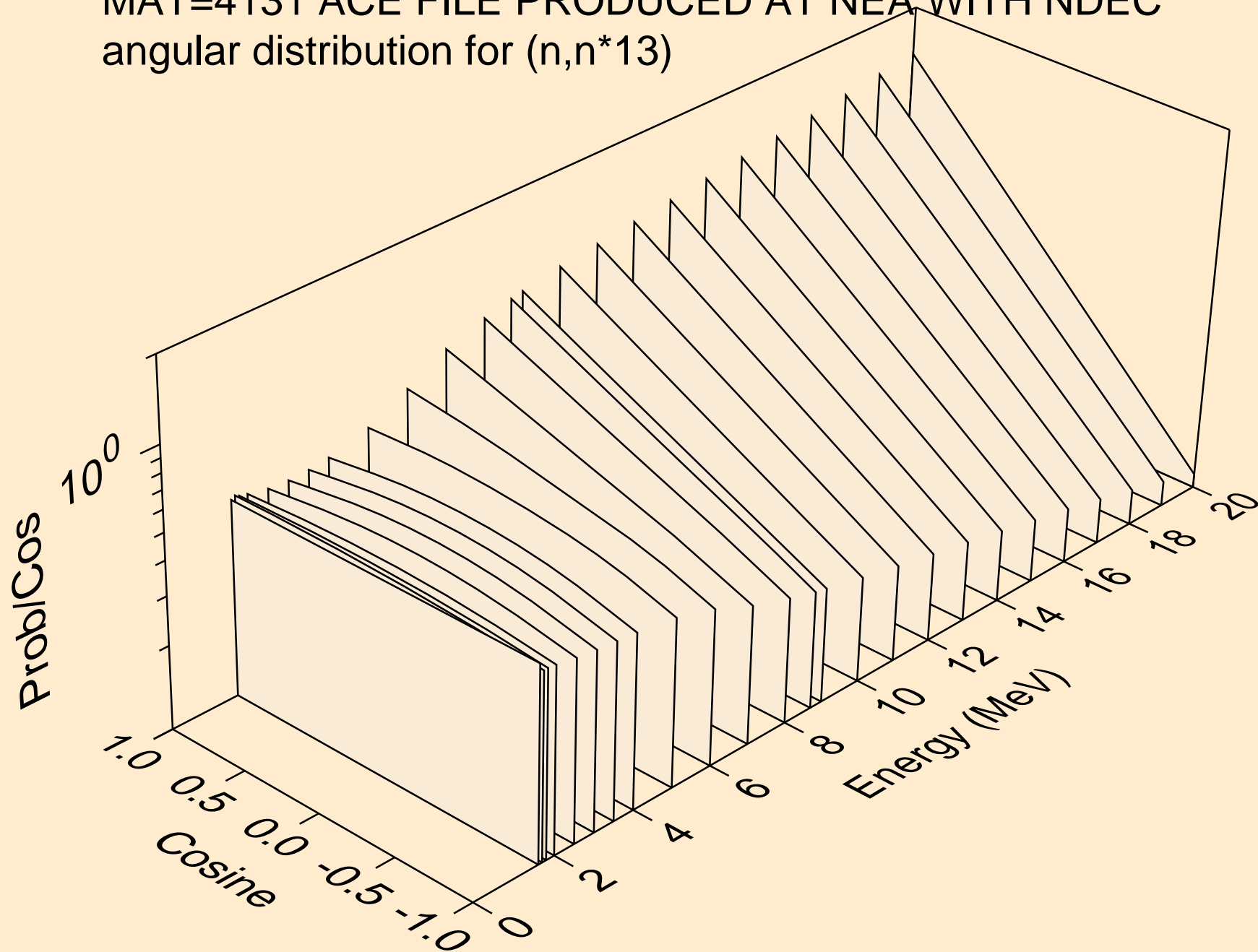
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*11)



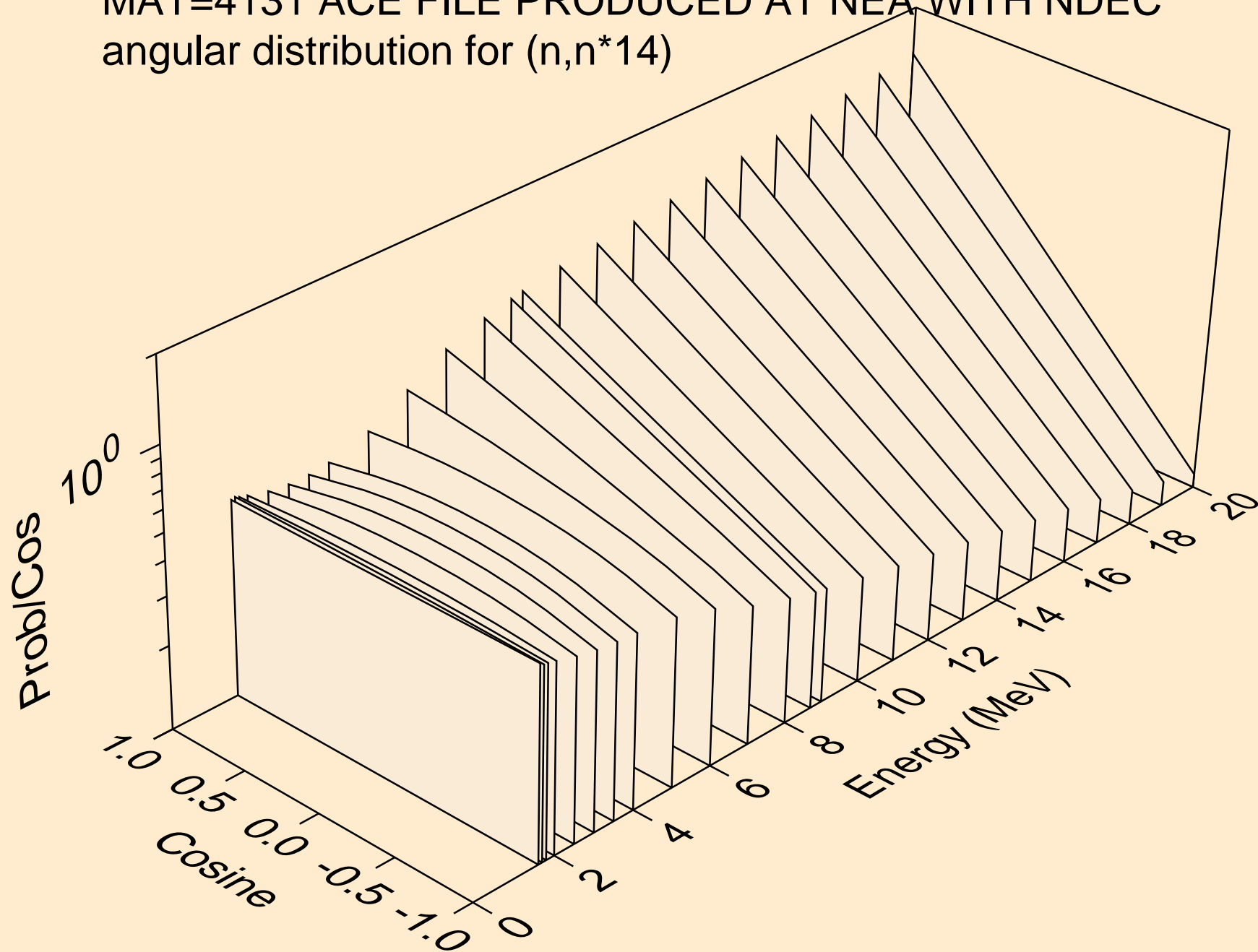
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angular distribution for (n,n\*12)



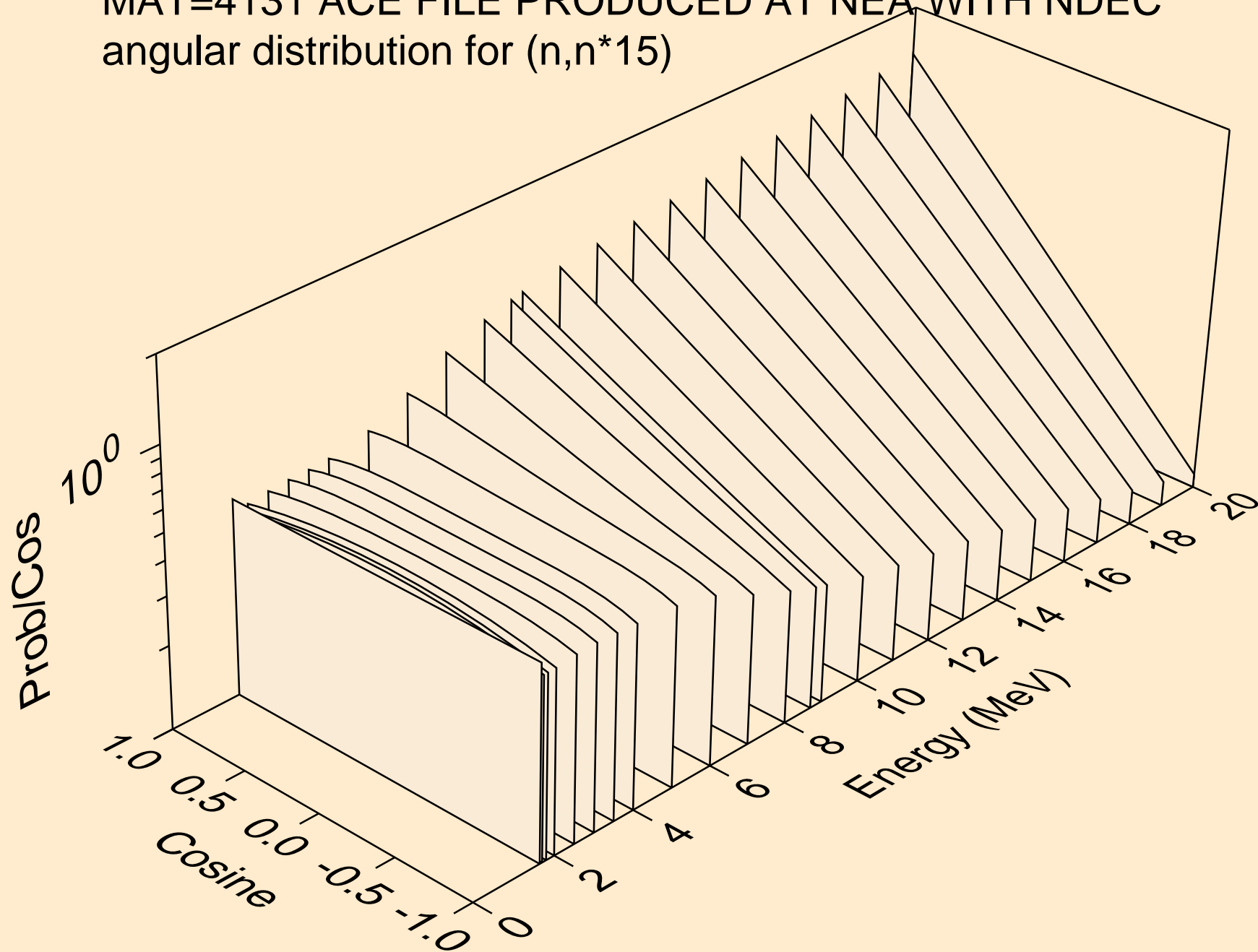
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angular distribution for (n,n\*13)



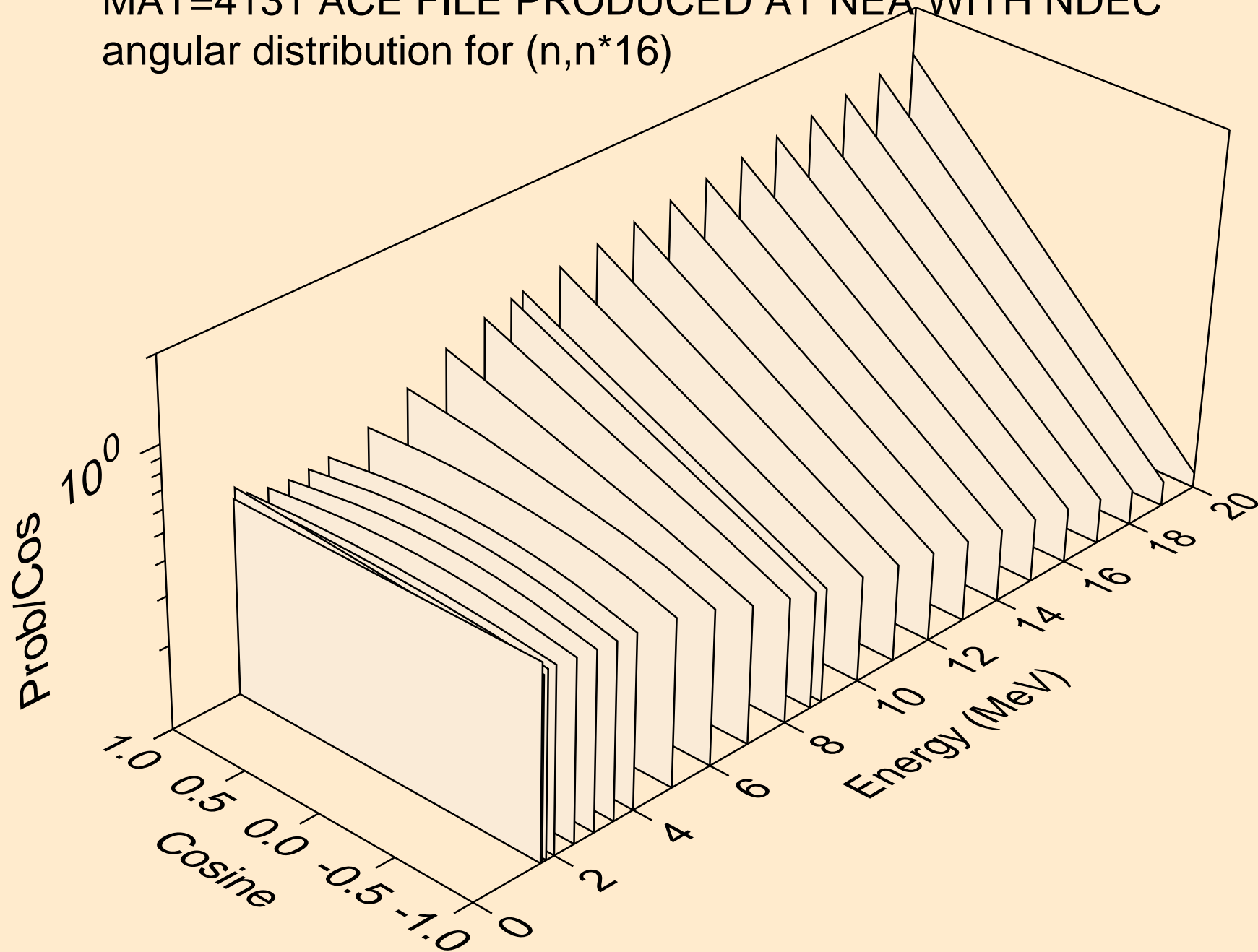
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angular distribution for (n,n\*14)



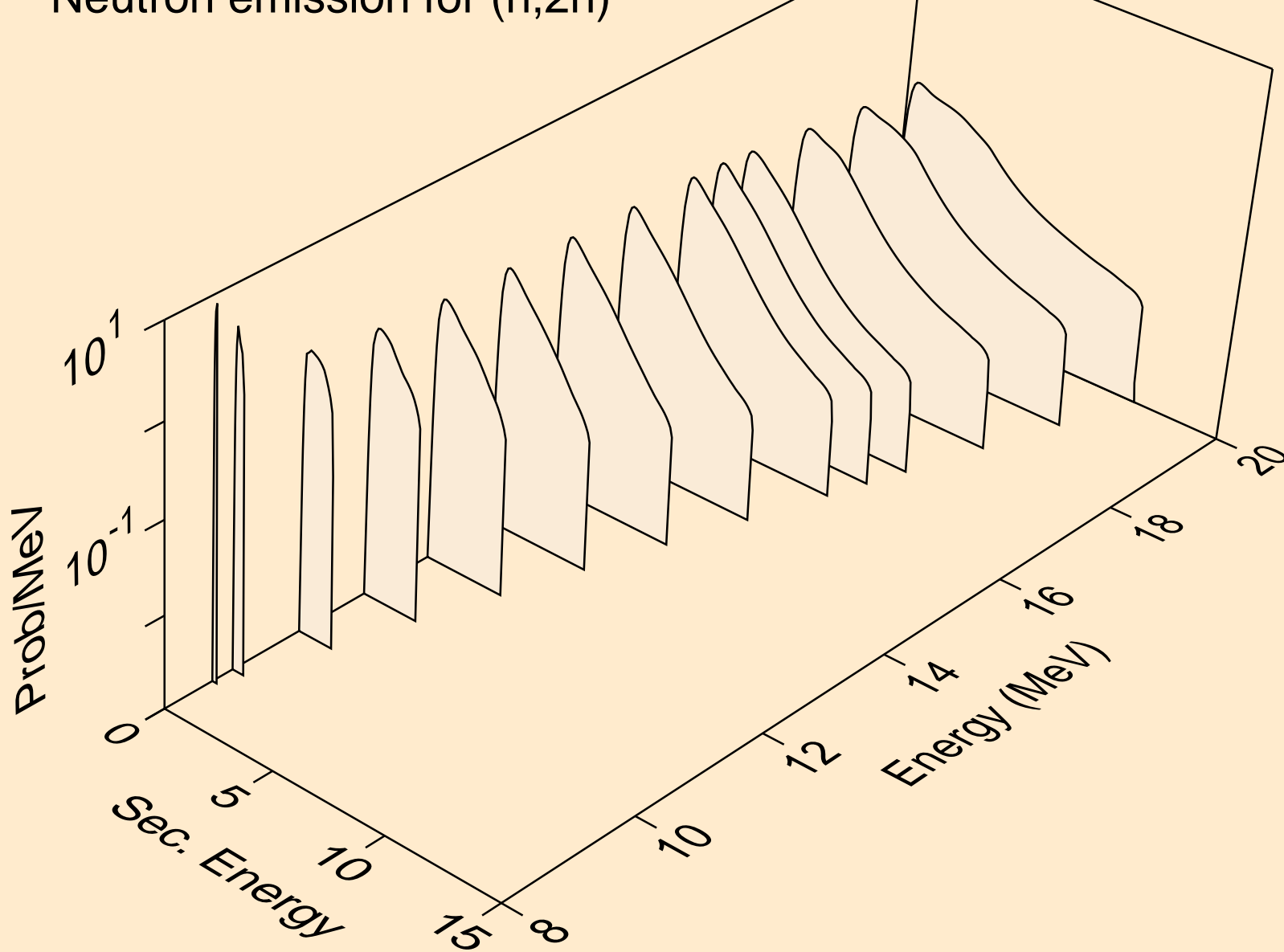
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angular distribution for (n,n\*15)



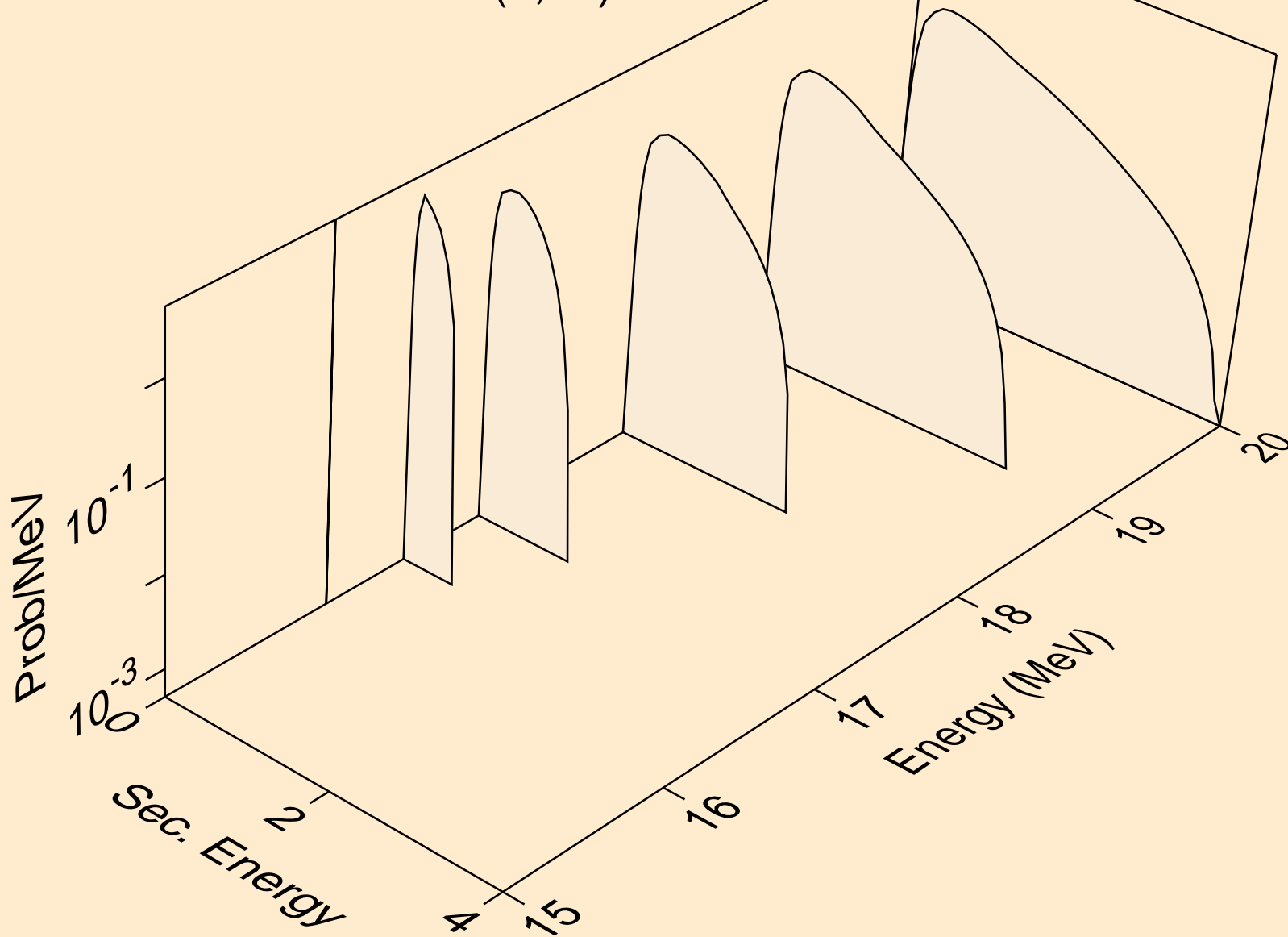
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angular distribution for (n,n\*16)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,2n)

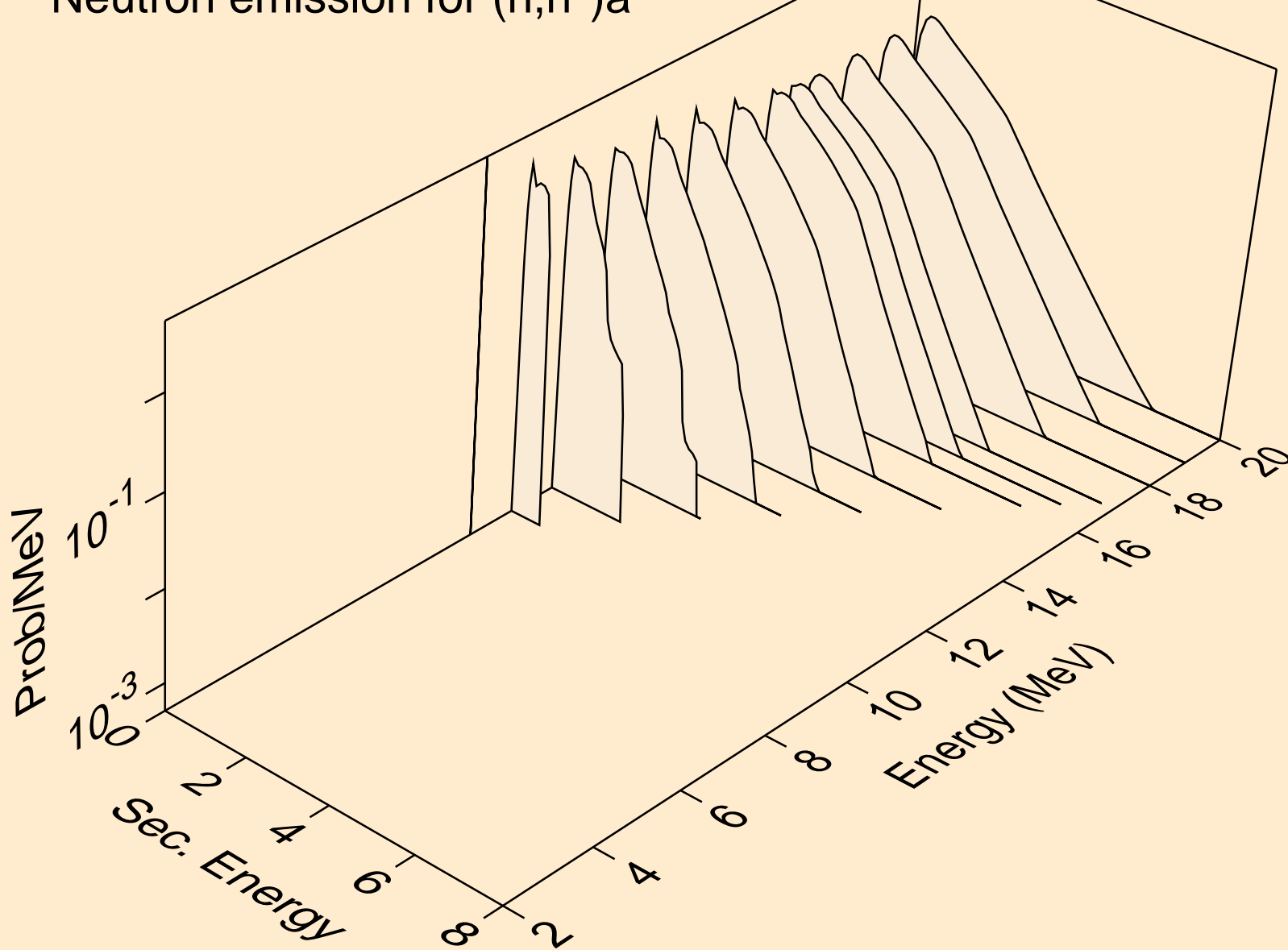


MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)

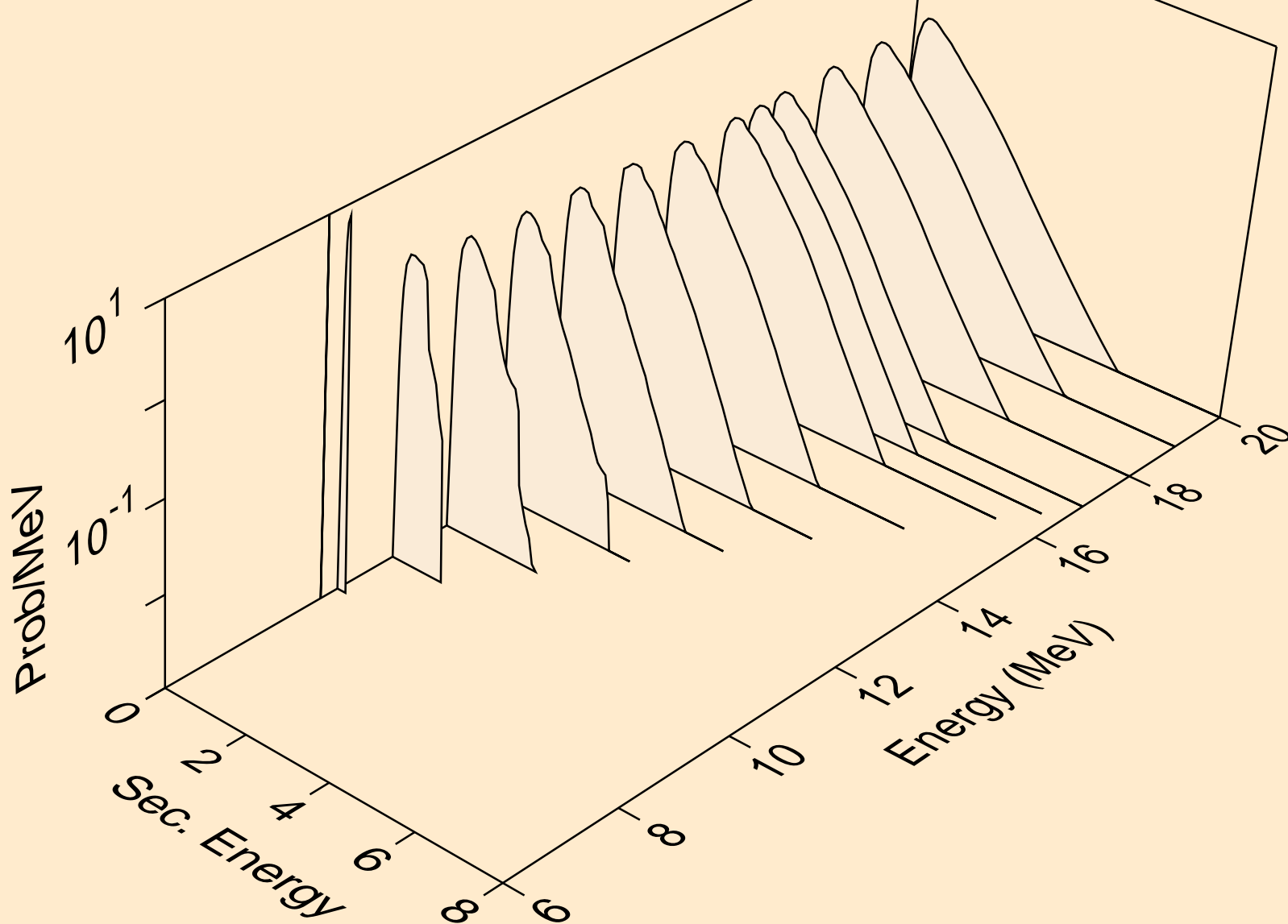




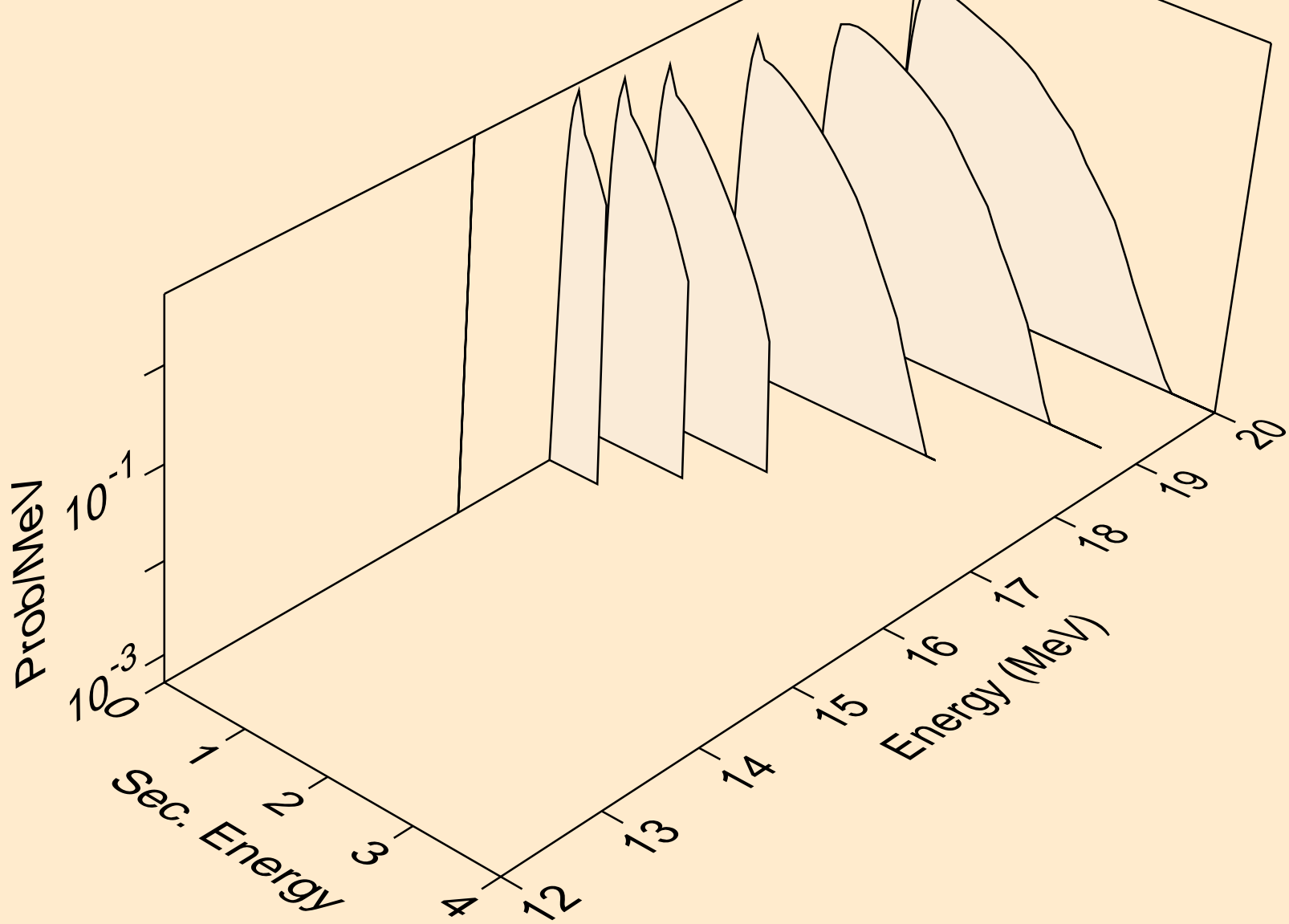
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)a



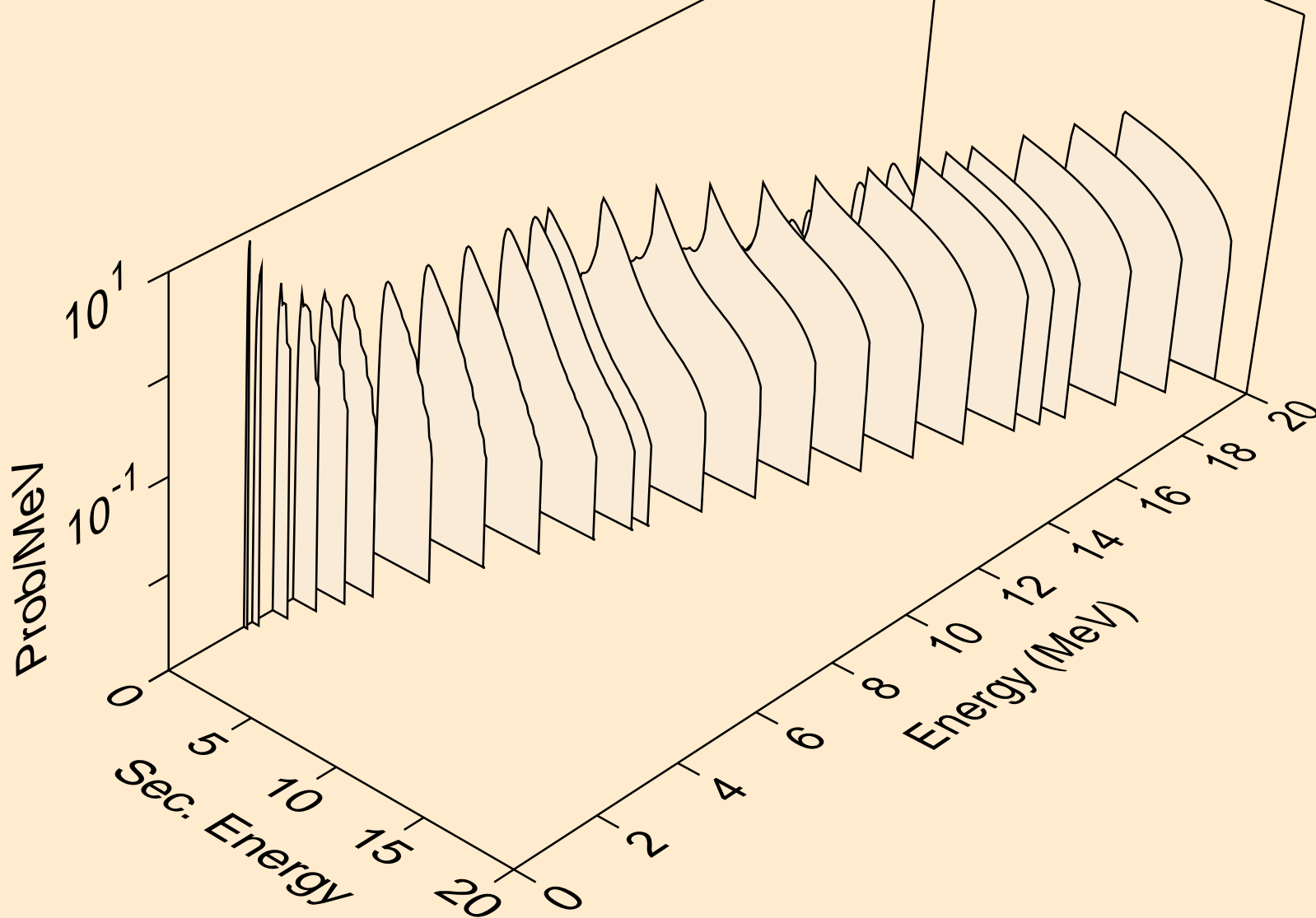
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)p



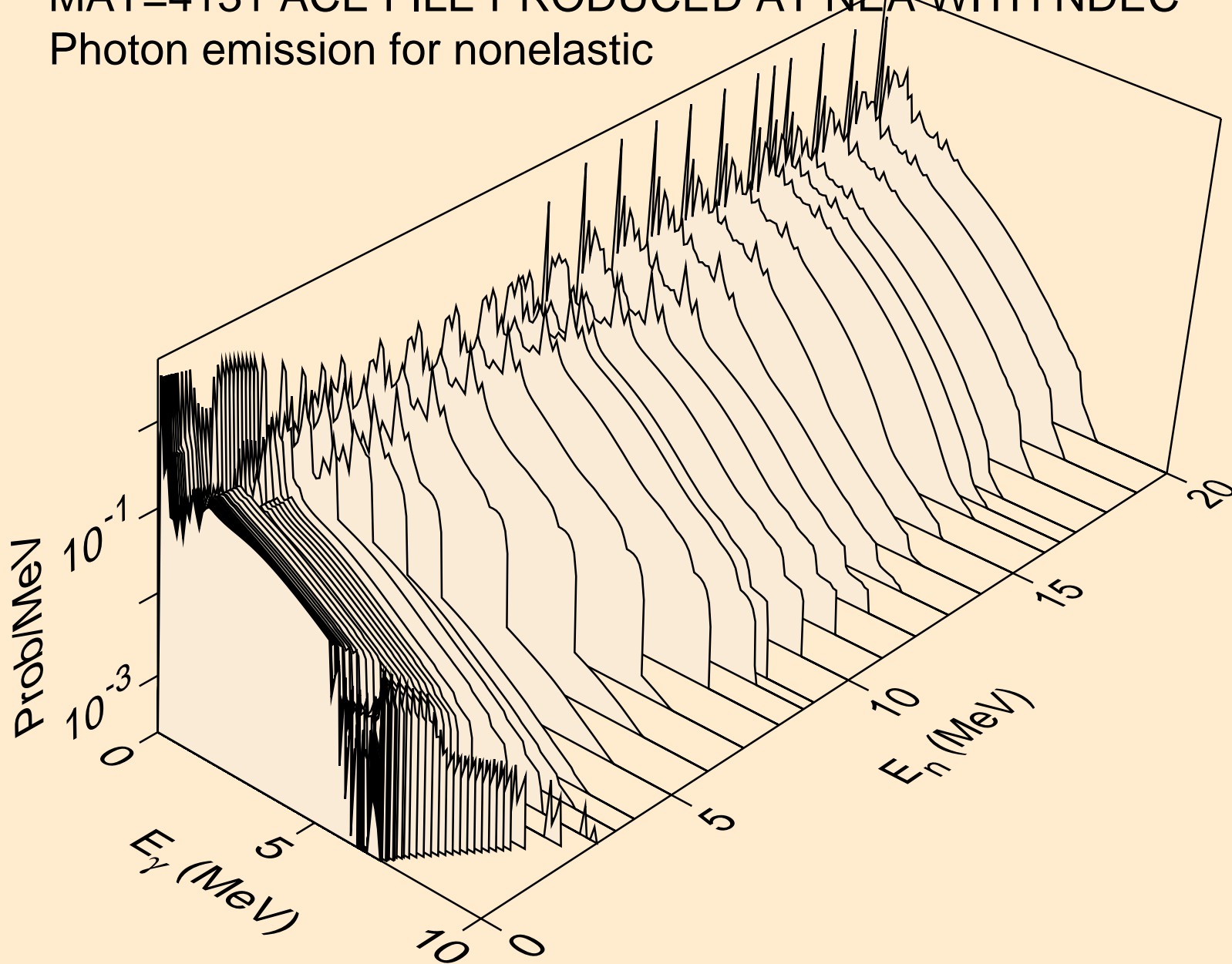
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)d



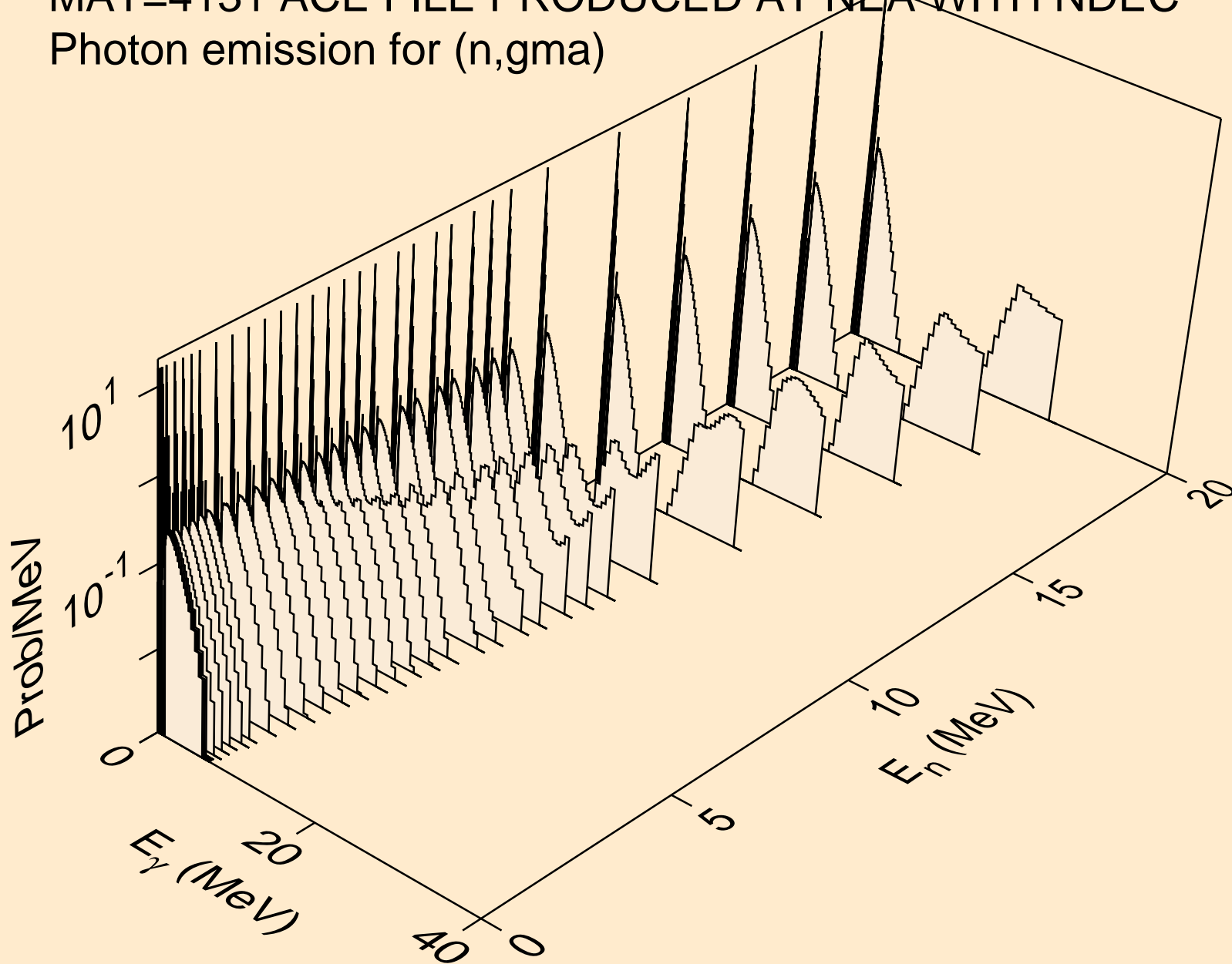
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*c)



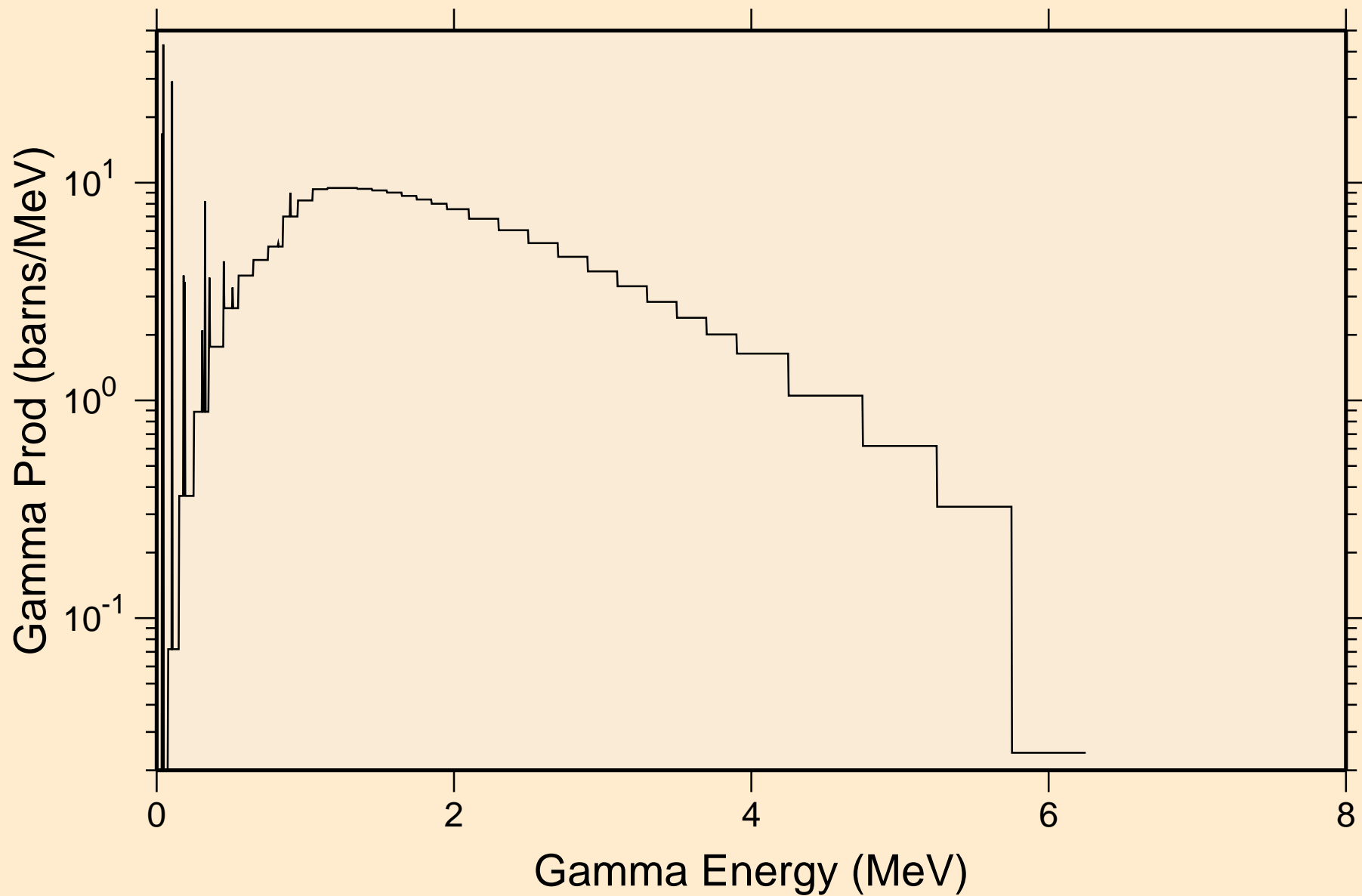
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for nonelastic



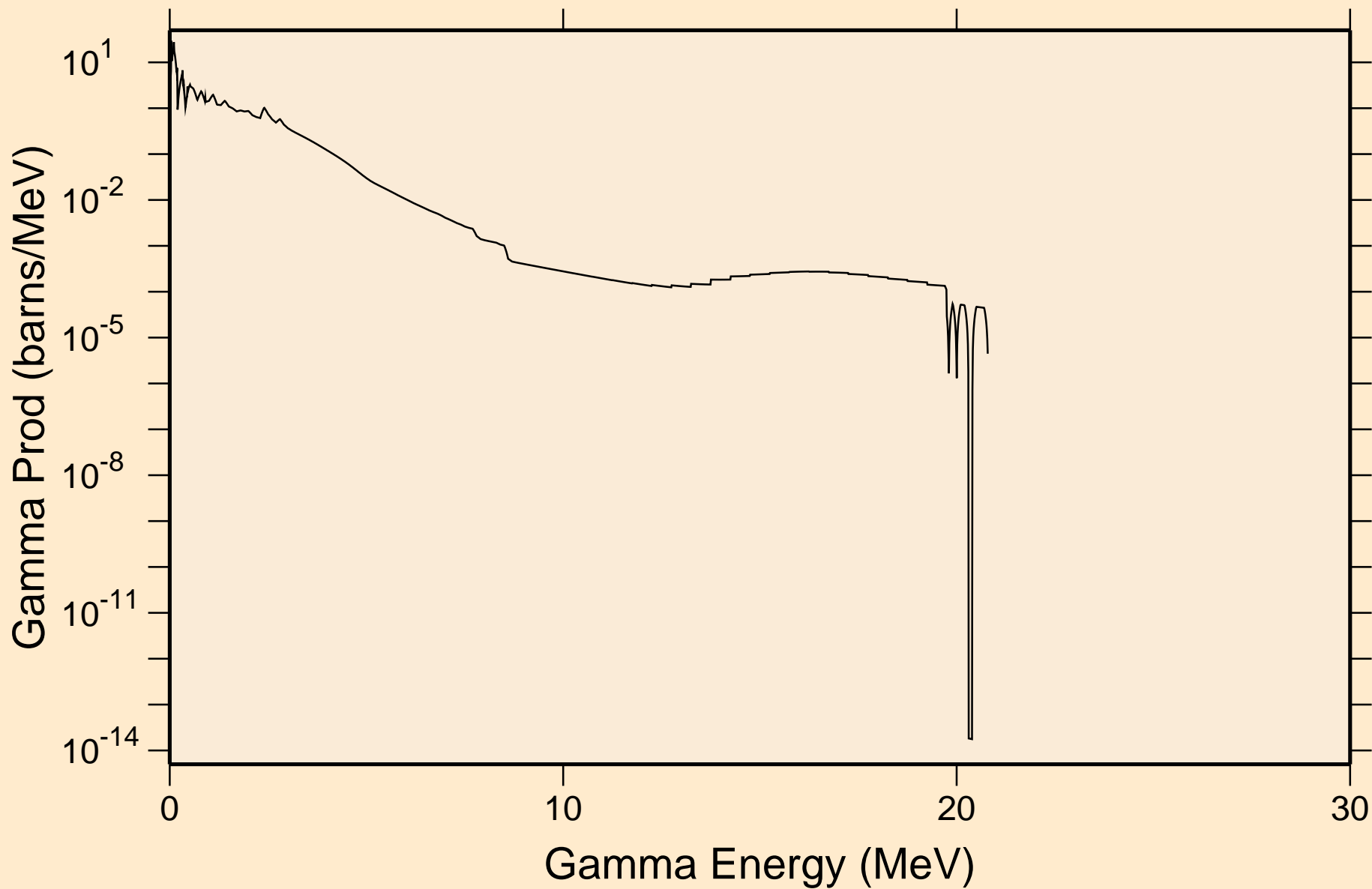
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Photon emission for (n,gma)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
thermal capture photon spectrum



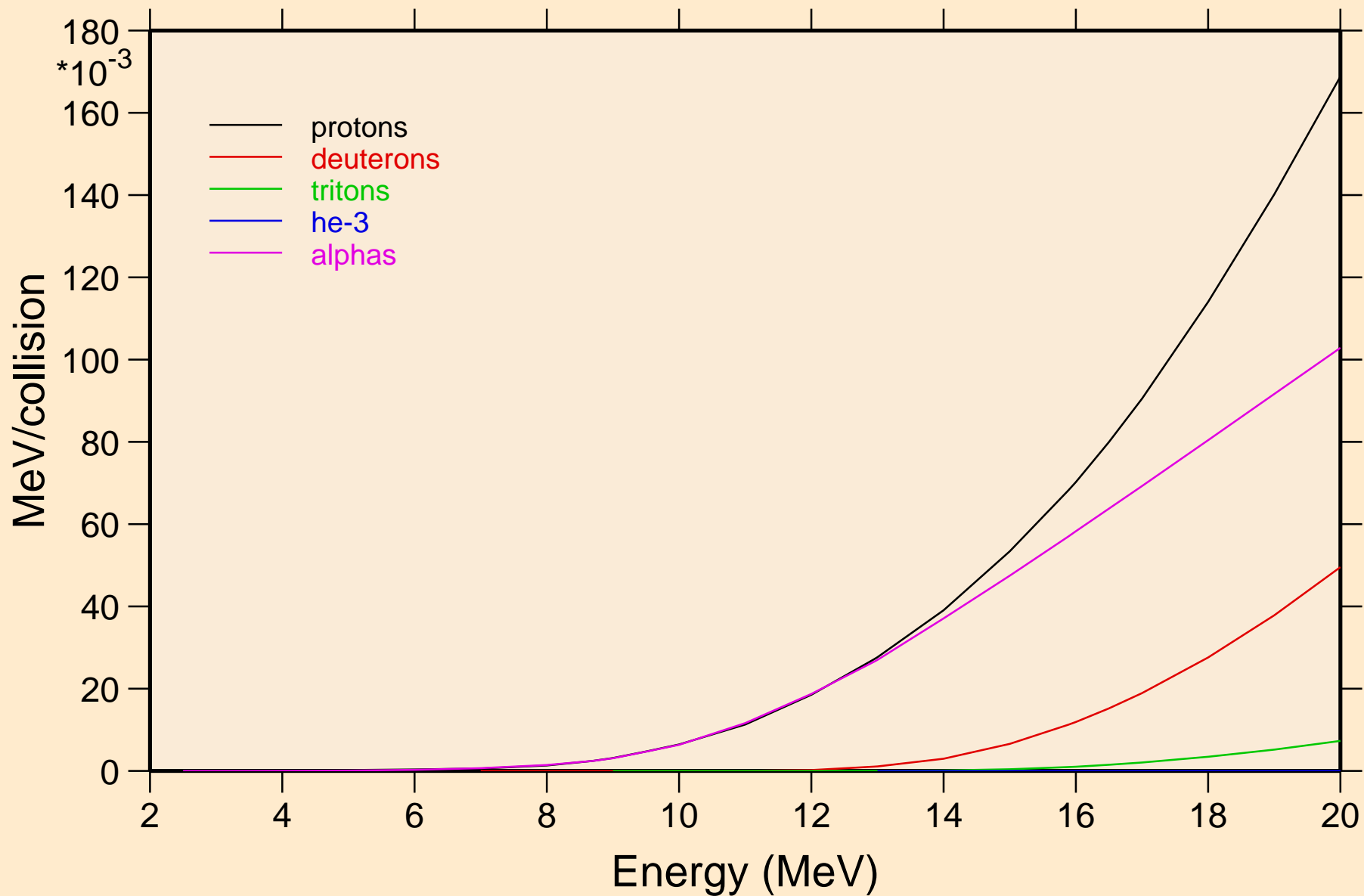
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14 MeV photon spectrum



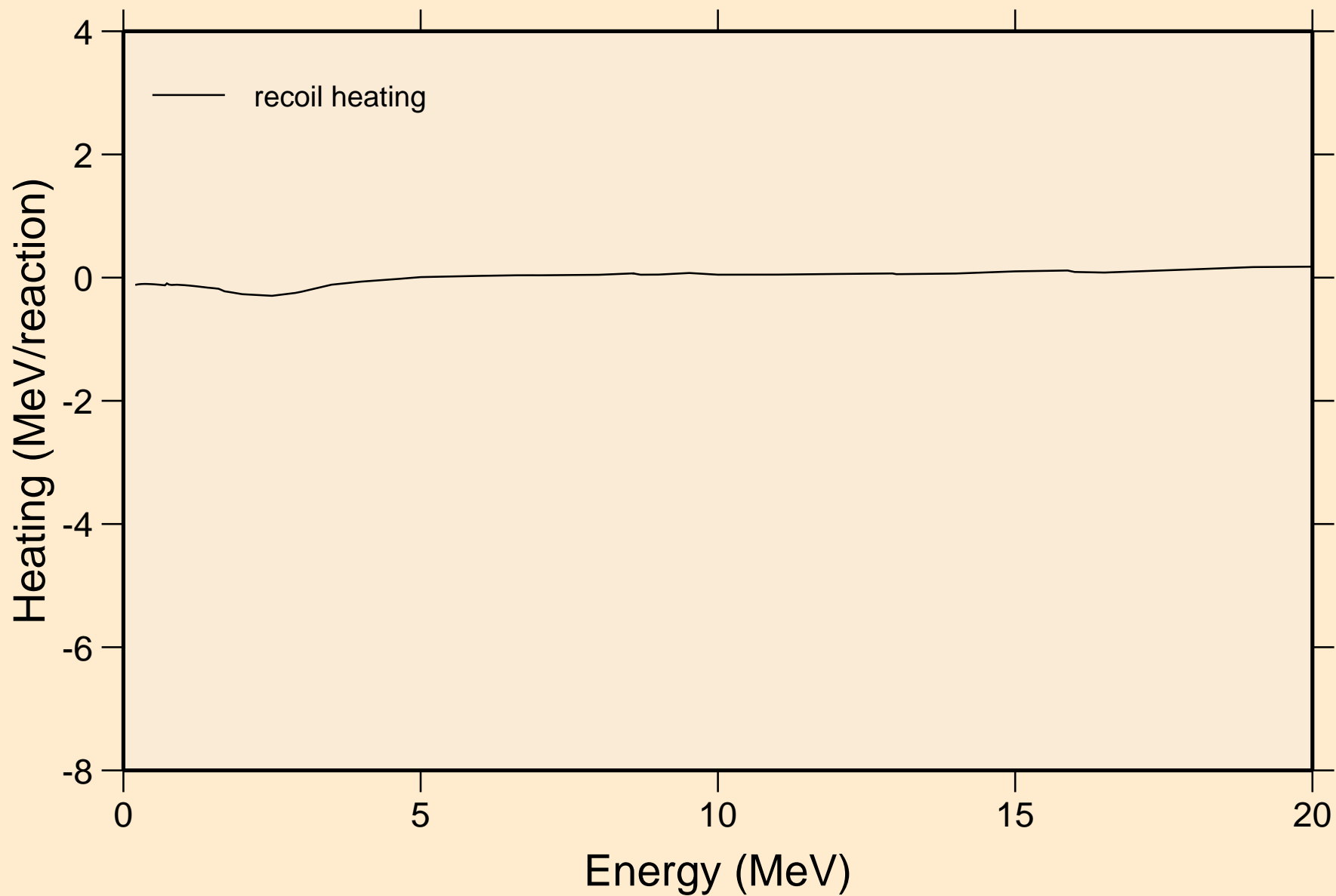


# MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC

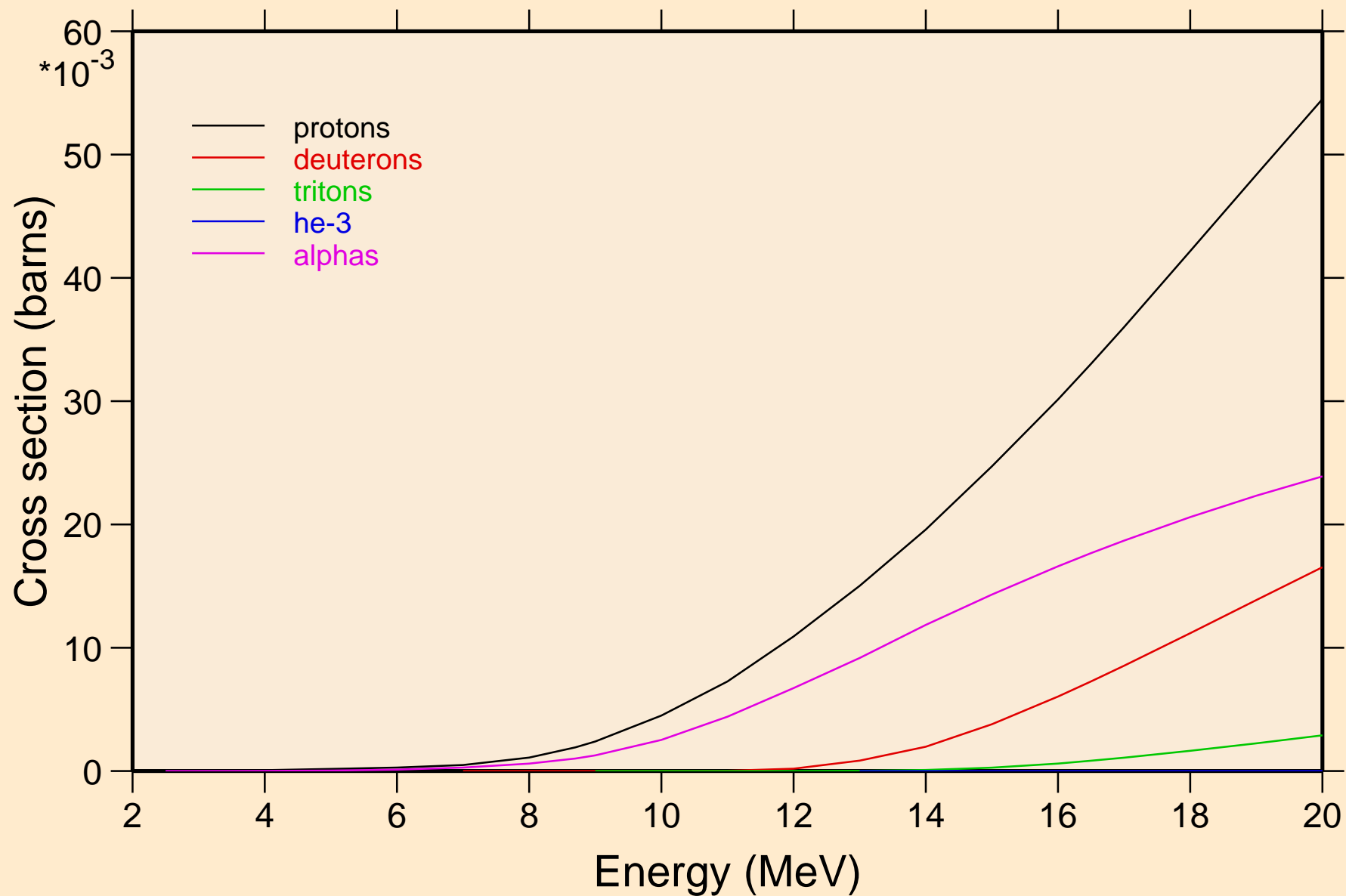
## Particle heating contributions



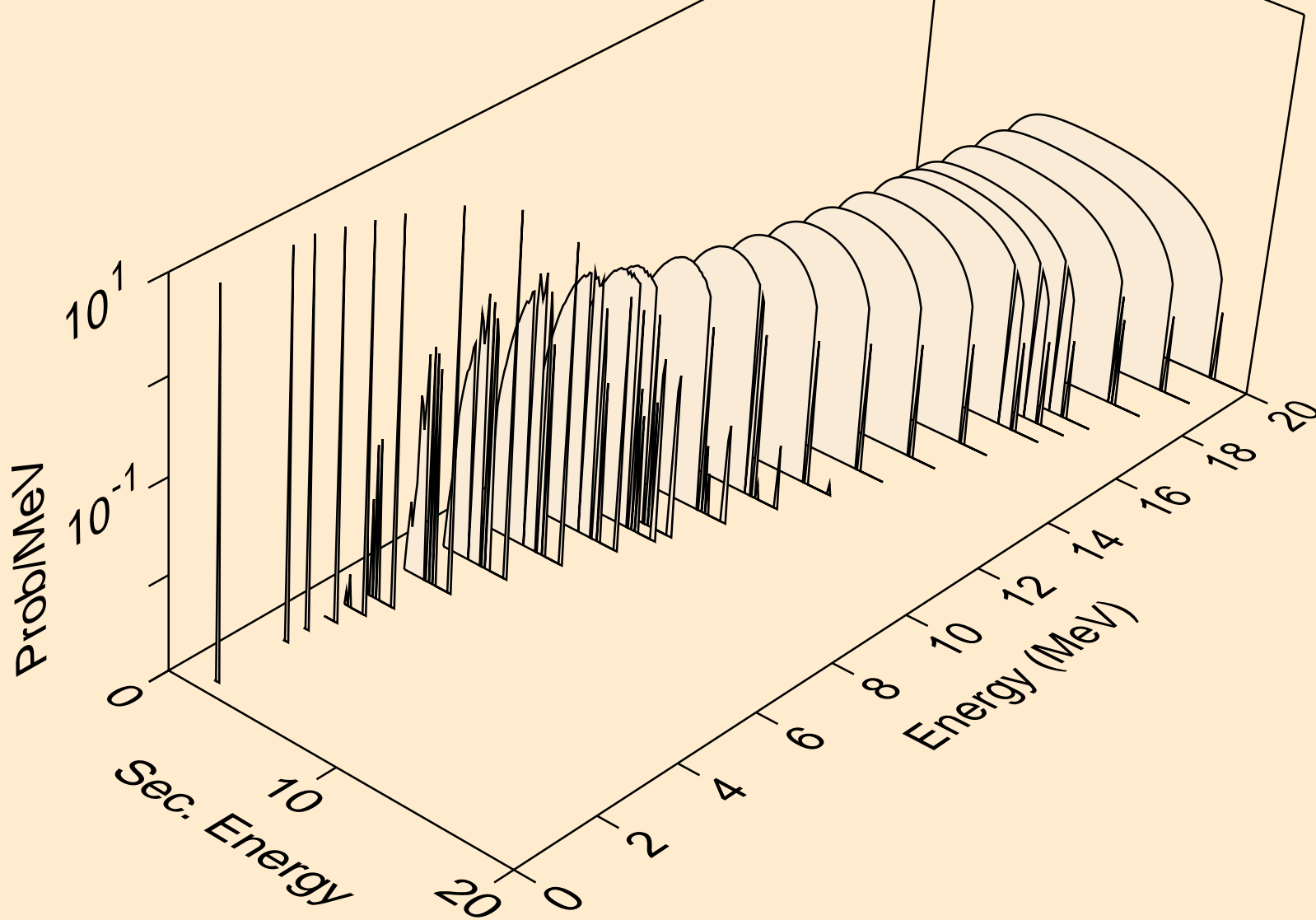
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Recoil Heating



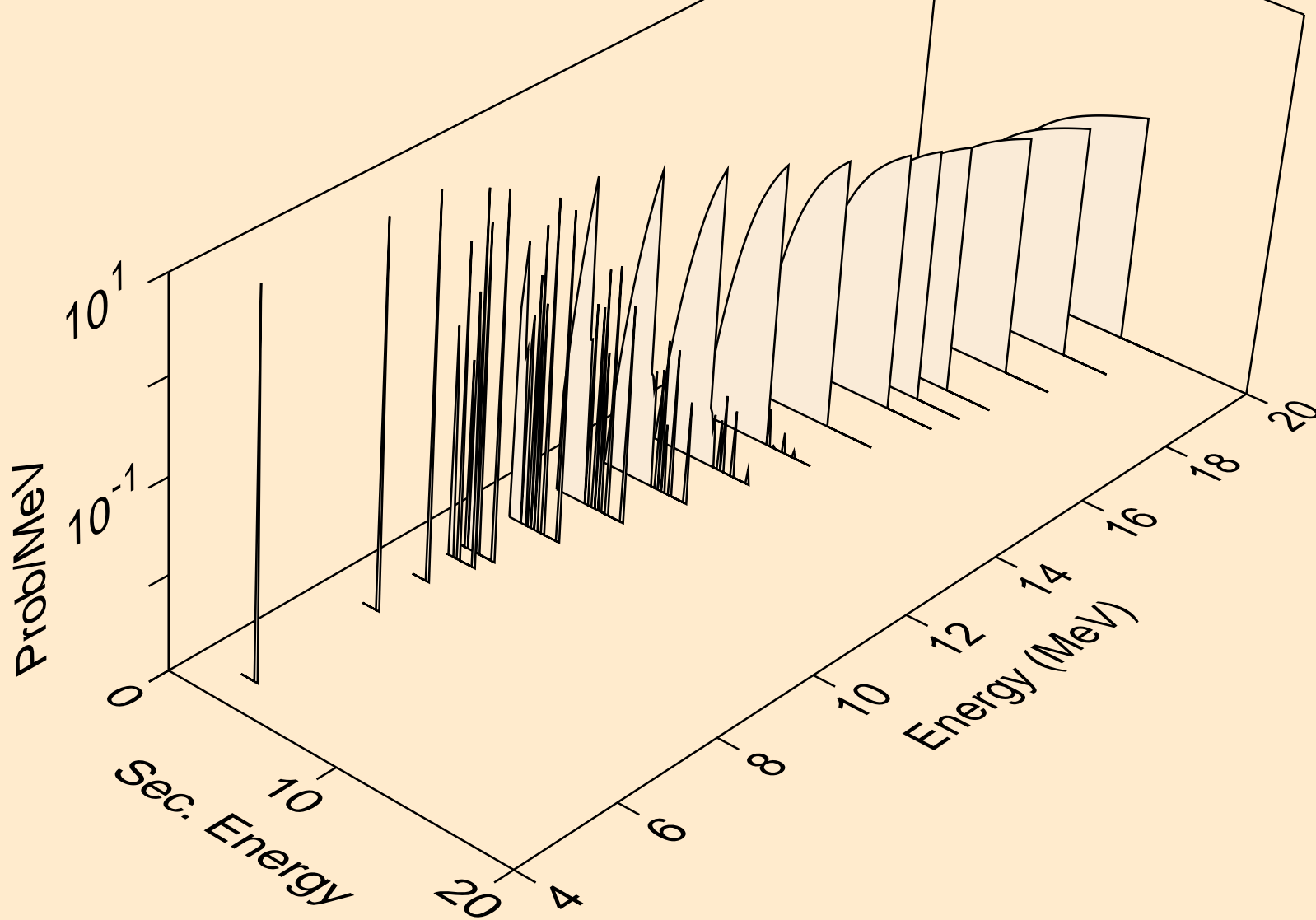
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
Particle production cross sections



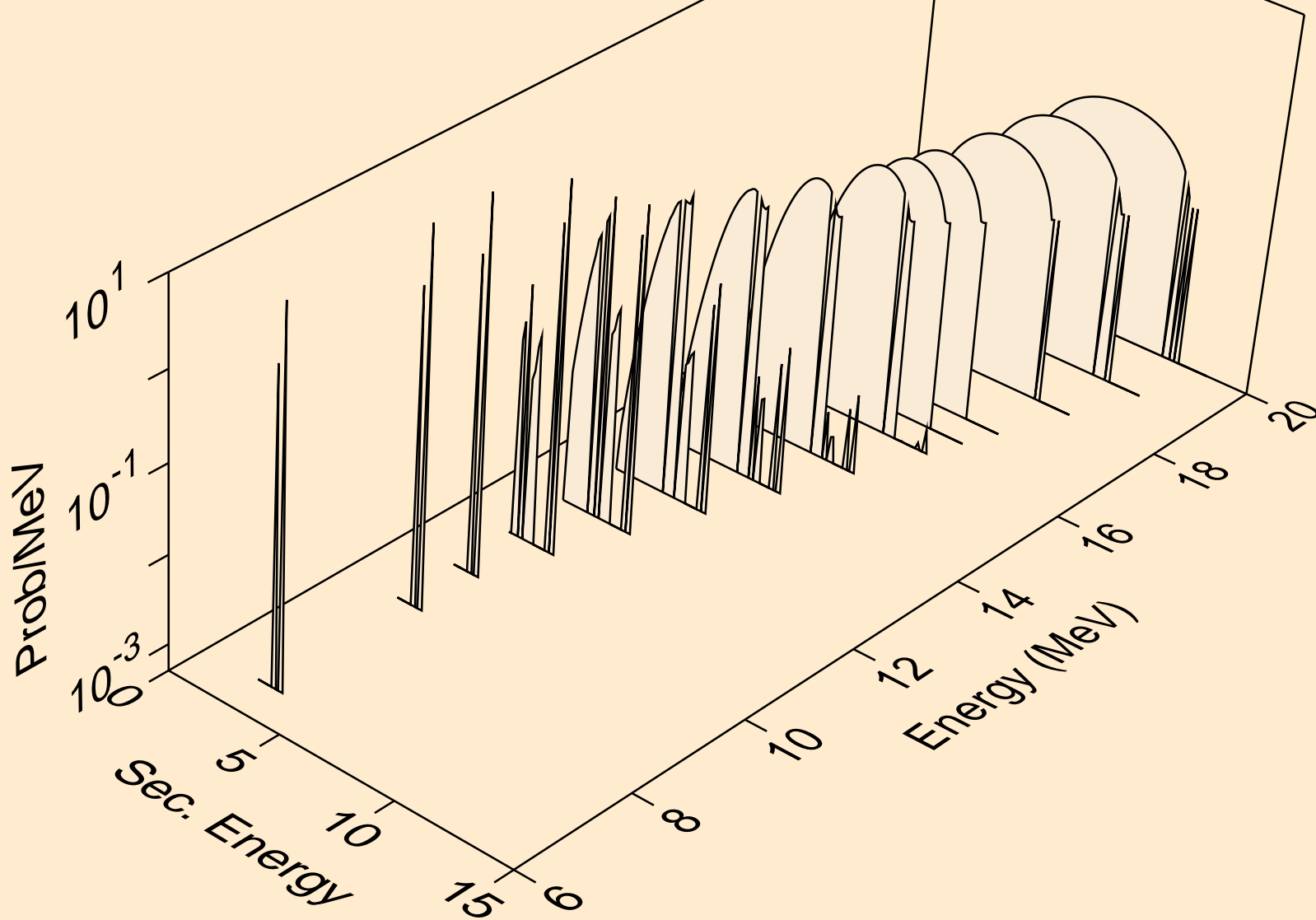
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,xp)



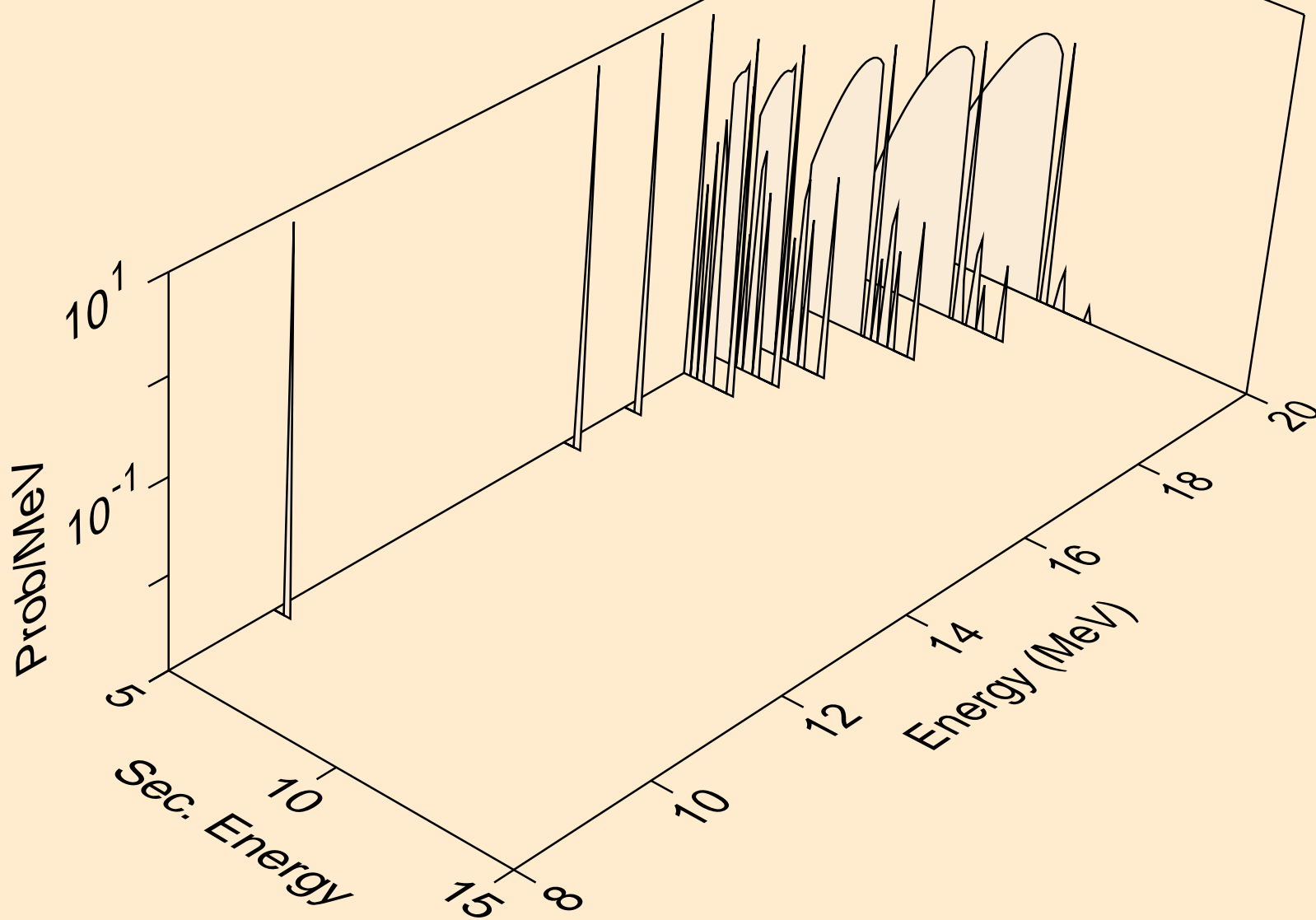
MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,xd)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
tritons from (n,xt)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
he3s from (n,xhe3)



MAT=4131 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,xa)

