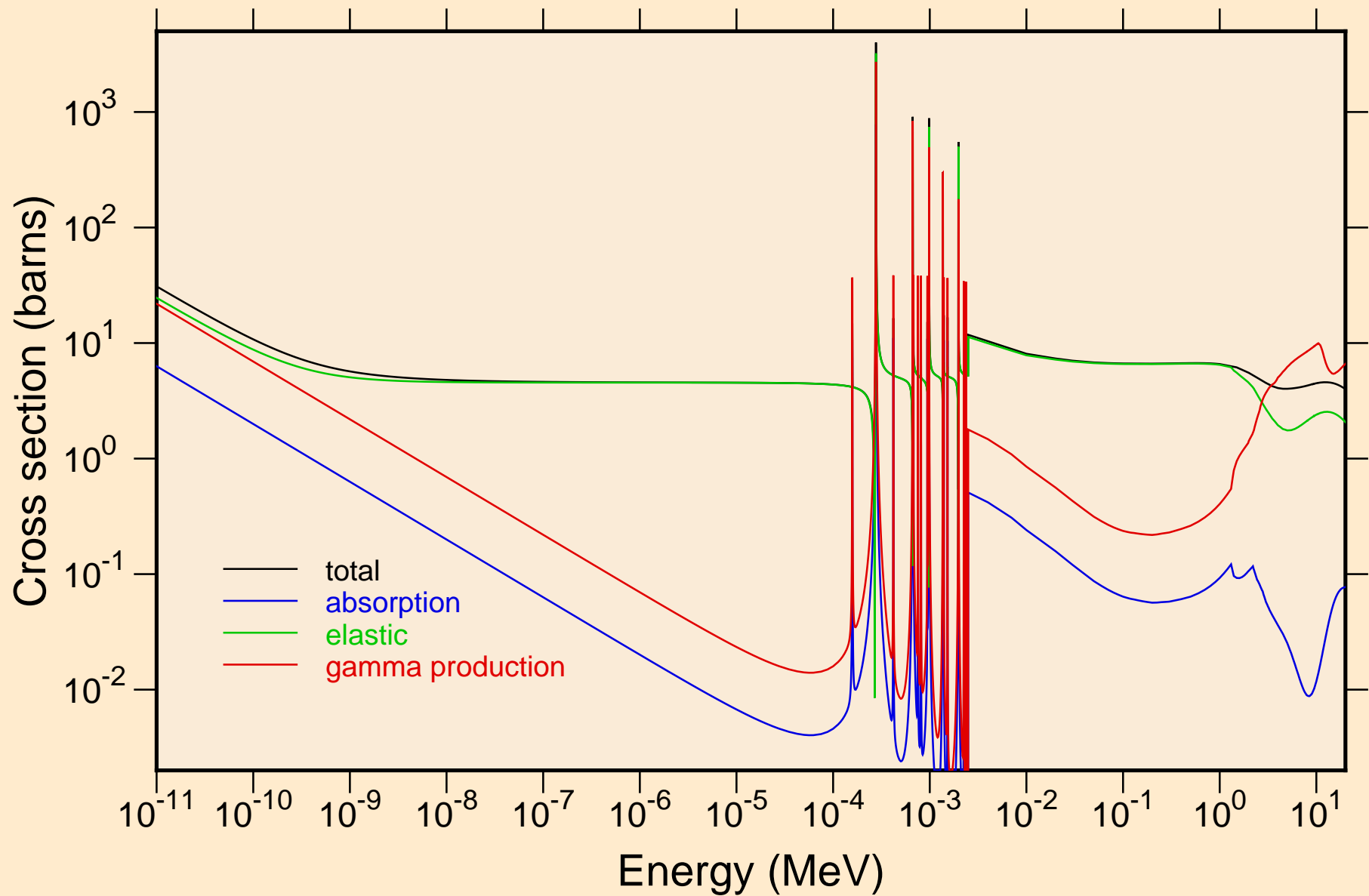
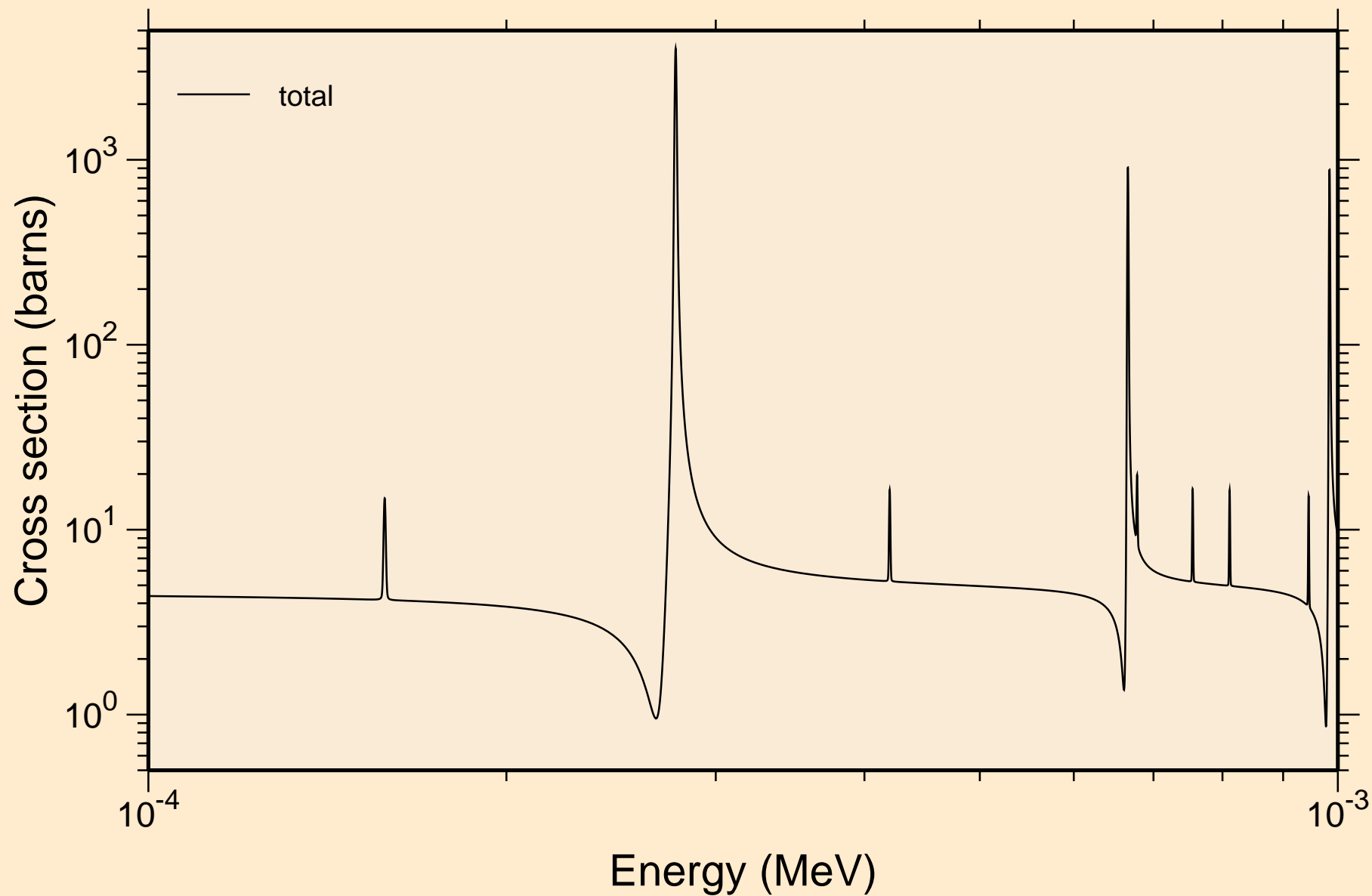


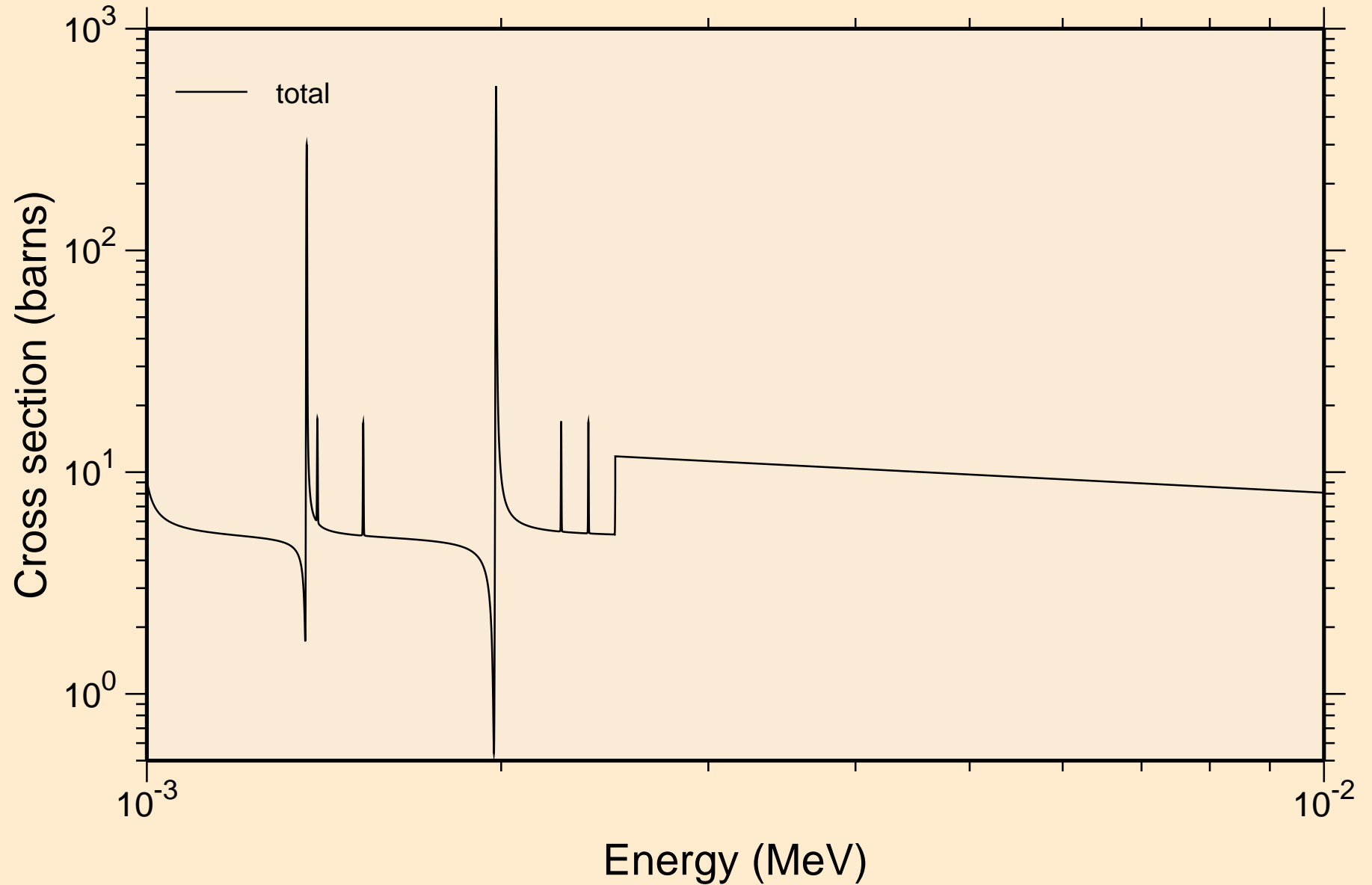
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Principal cross sections



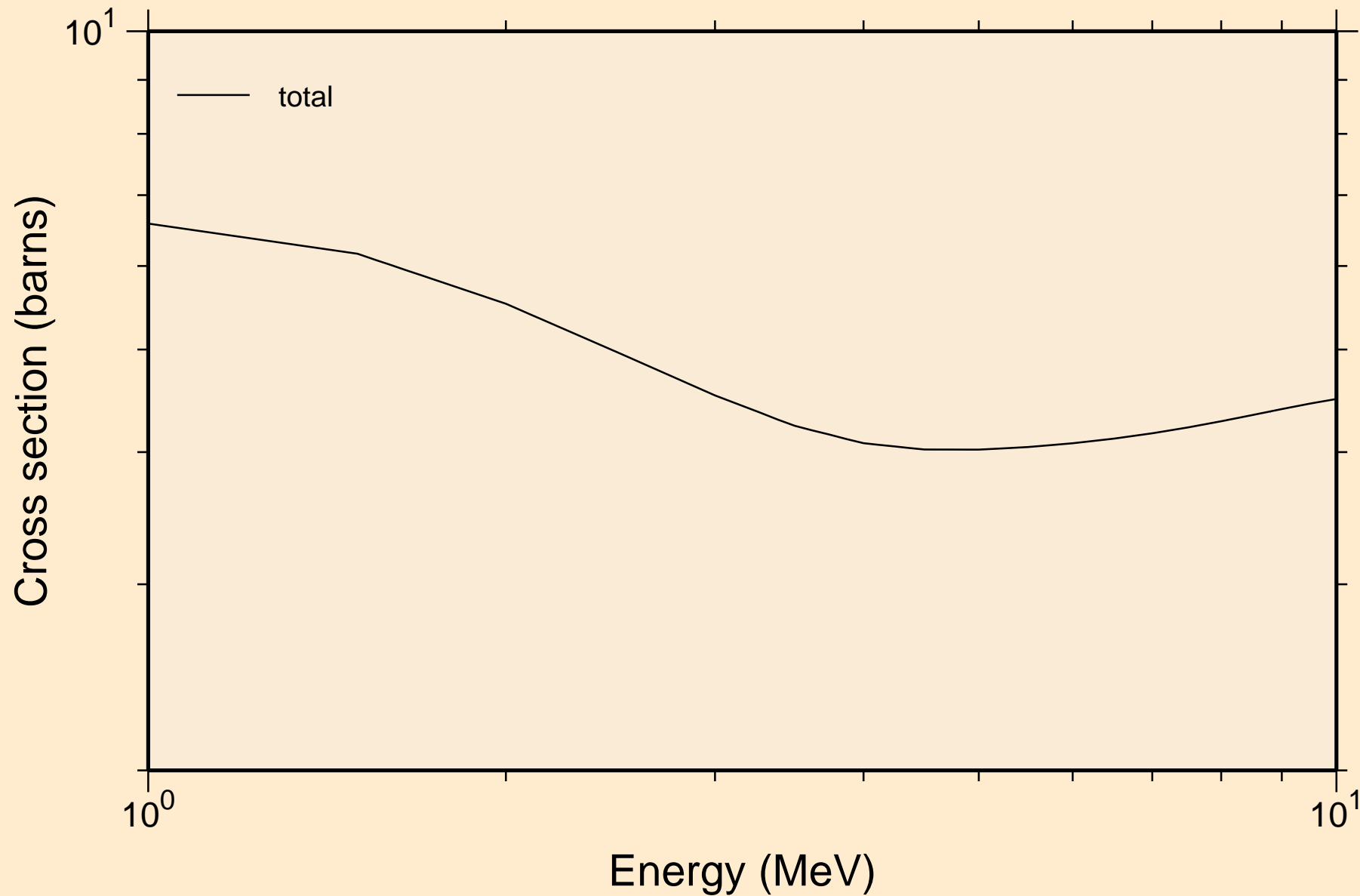
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



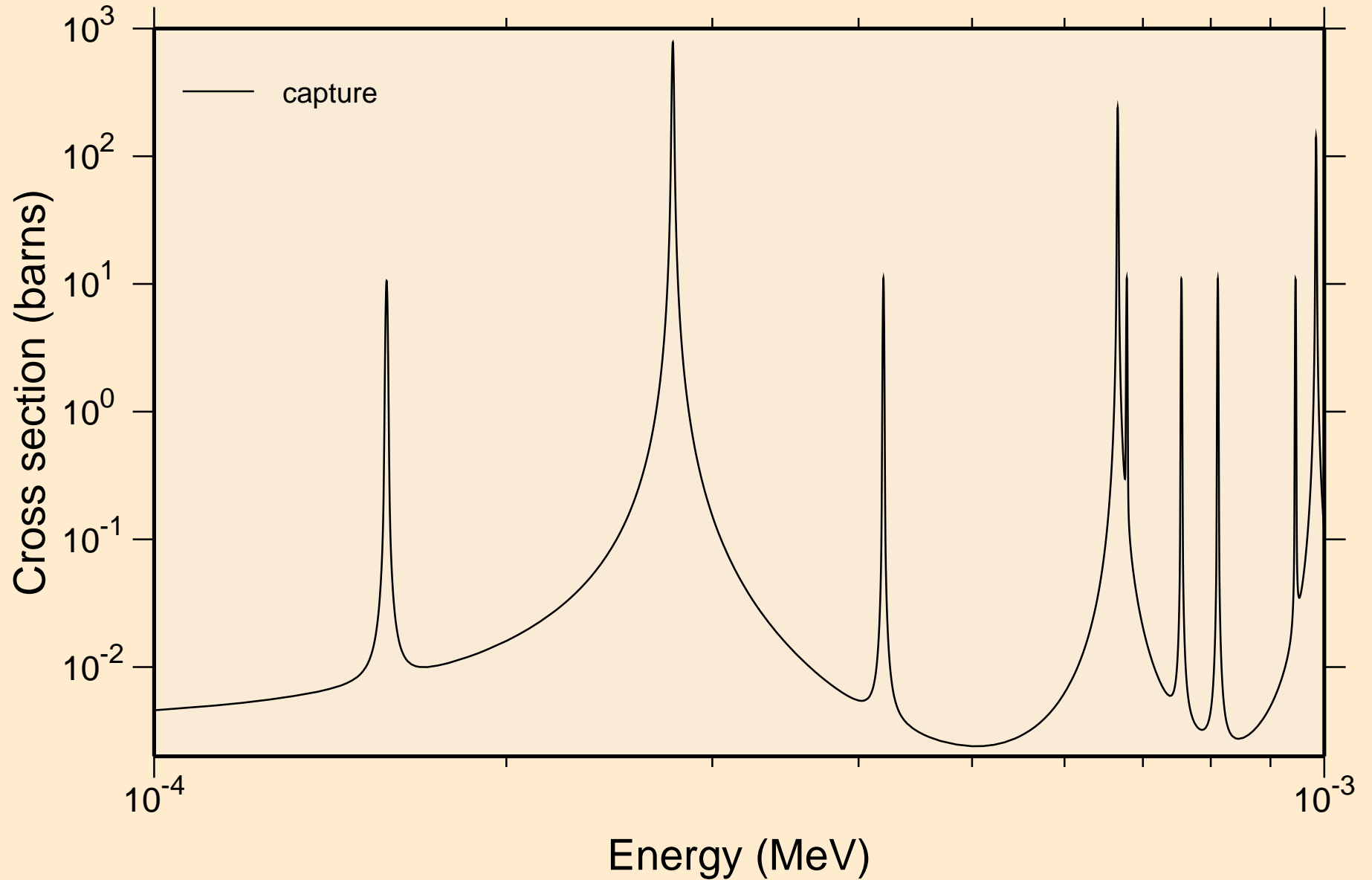
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance total cross section



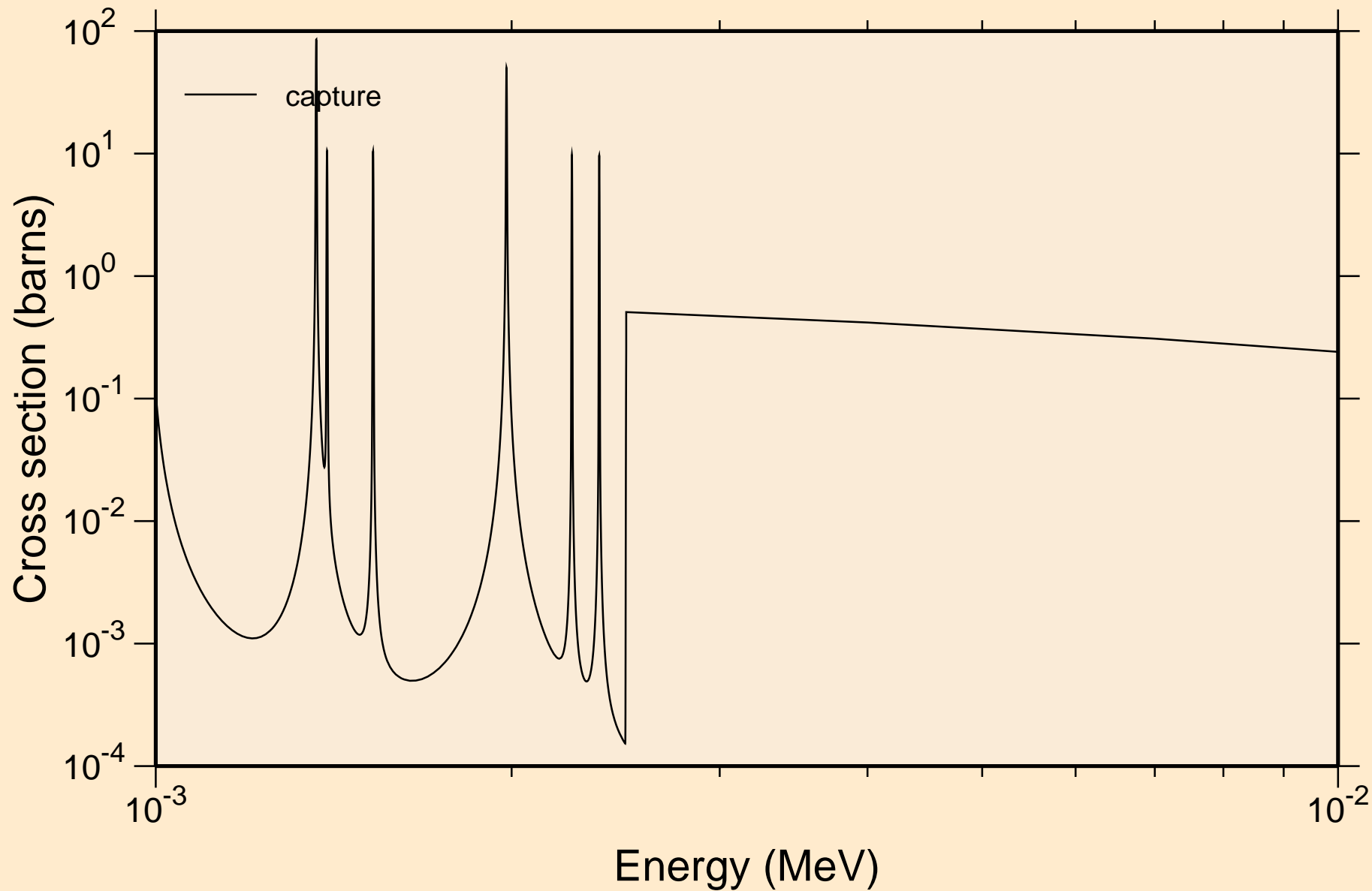
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resonance total cross section



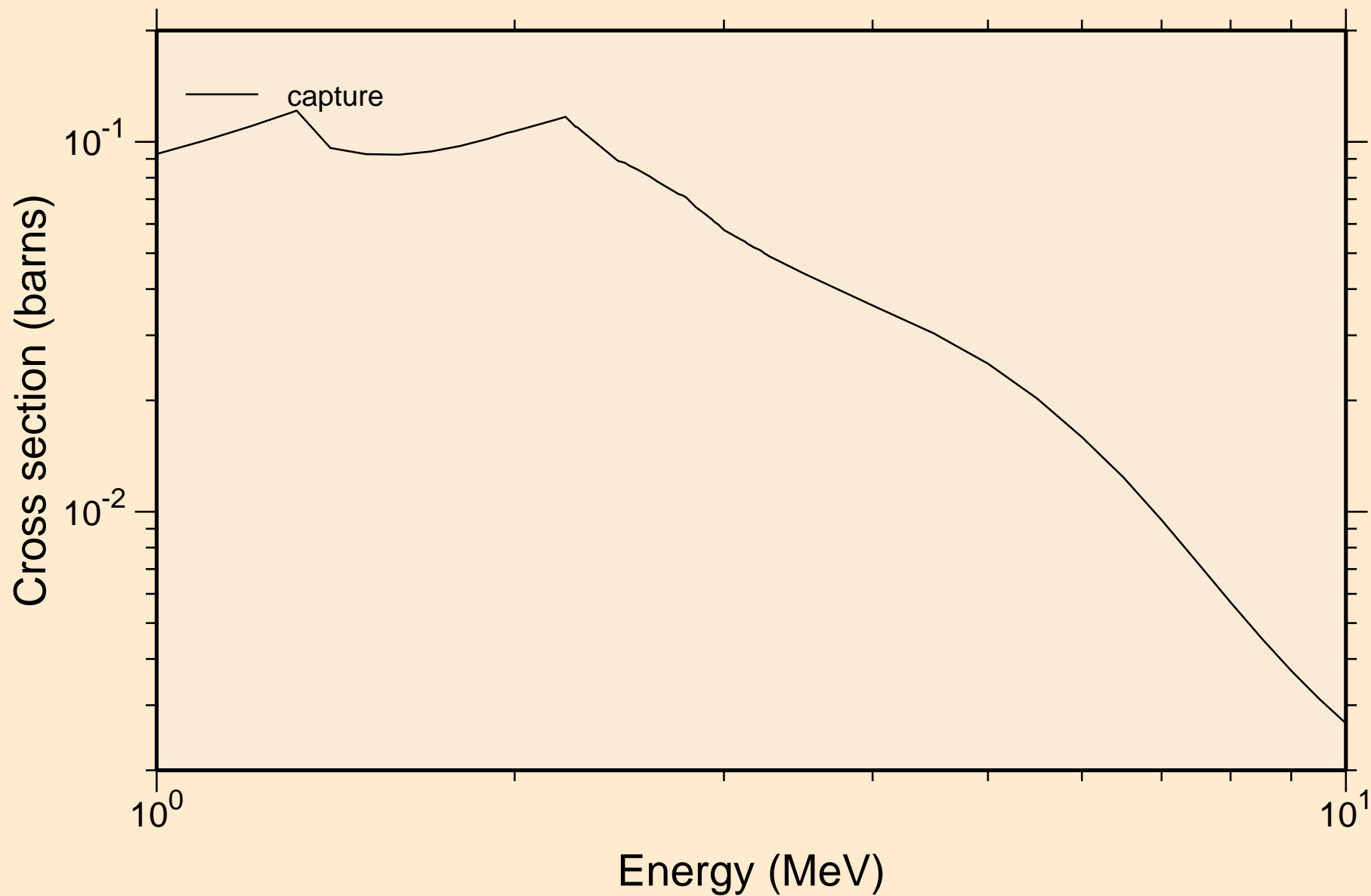
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resonance absorption cross sections



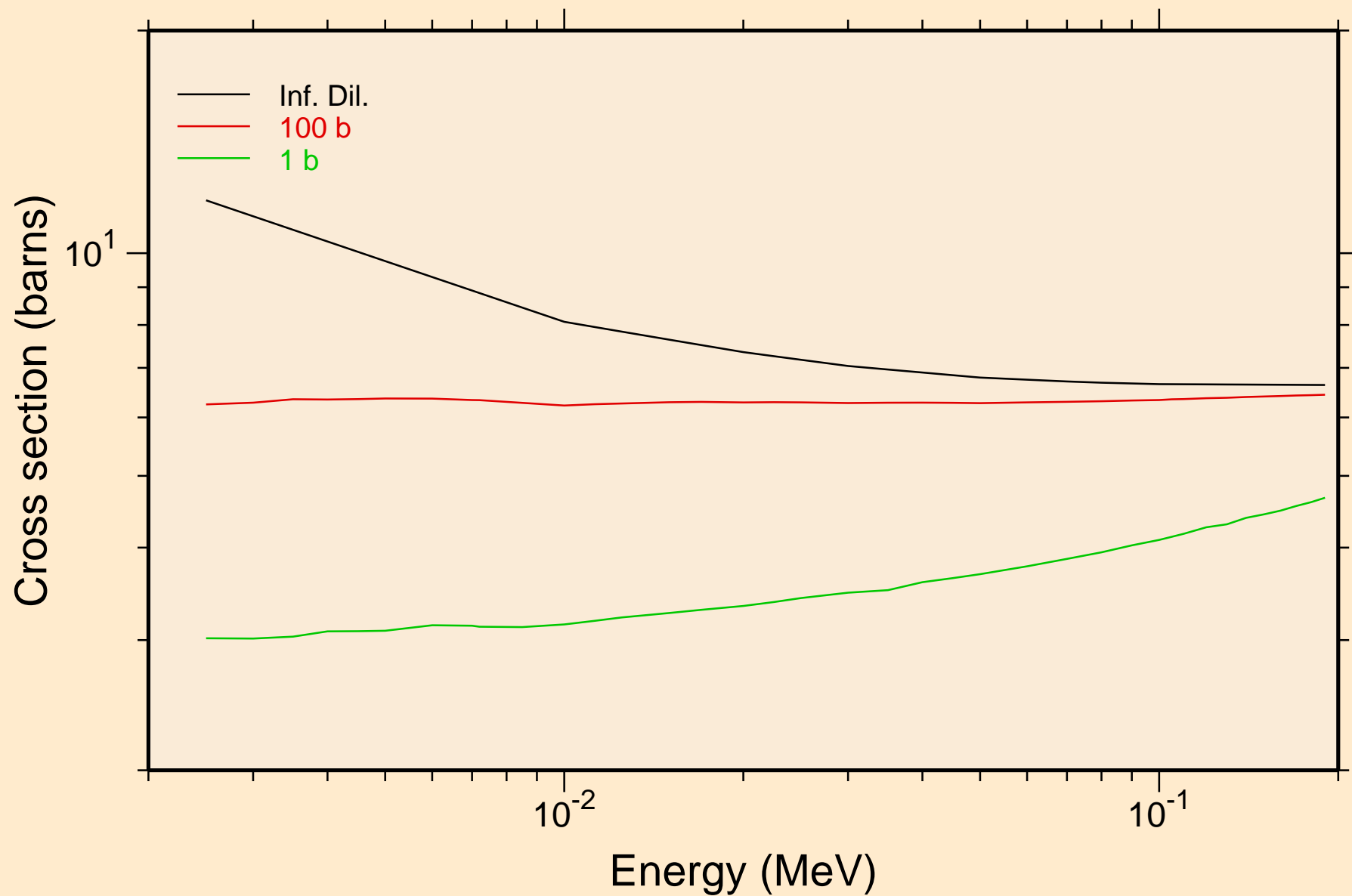
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
resonance absorption cross sections

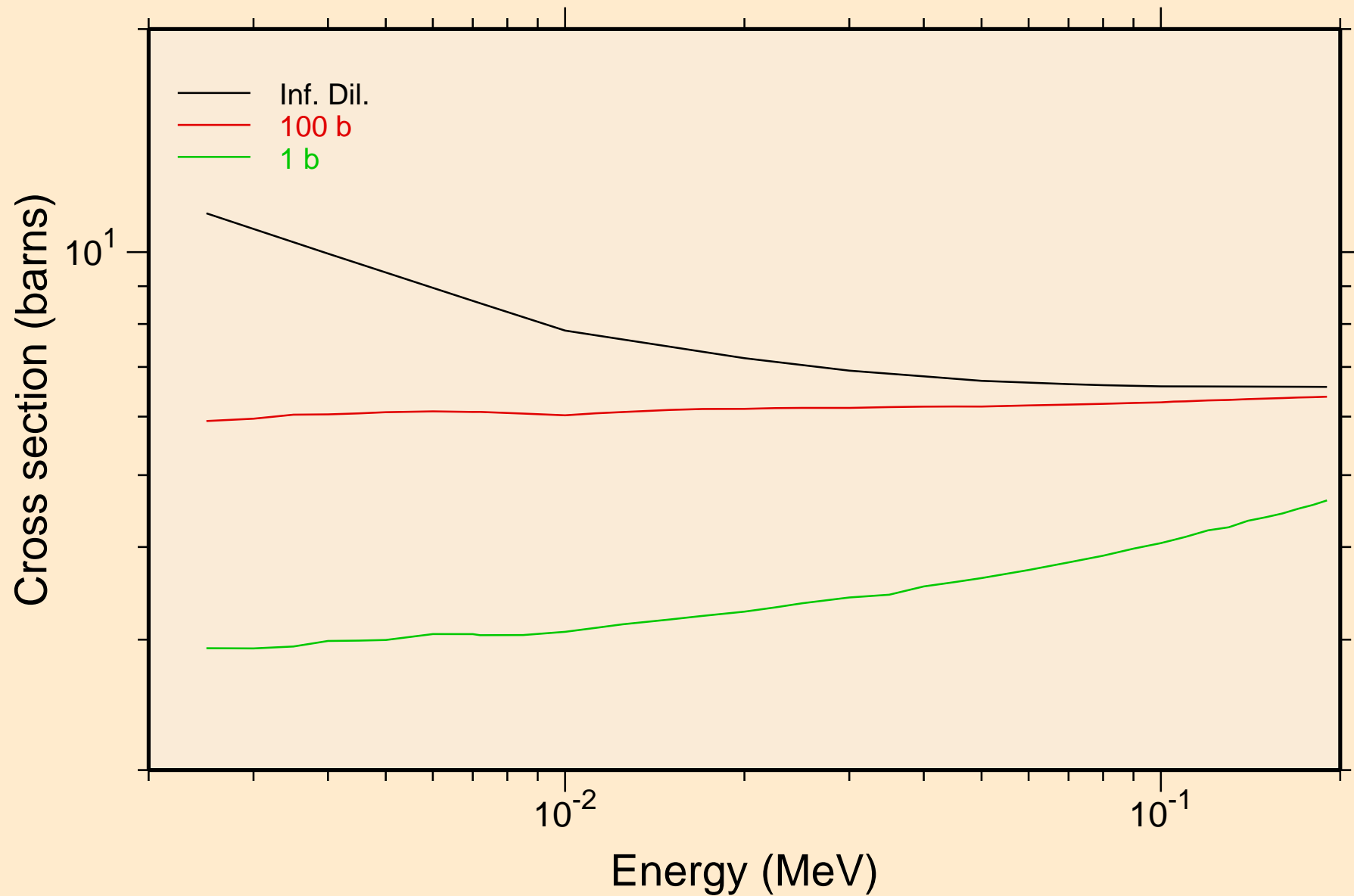


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
UR total cross section

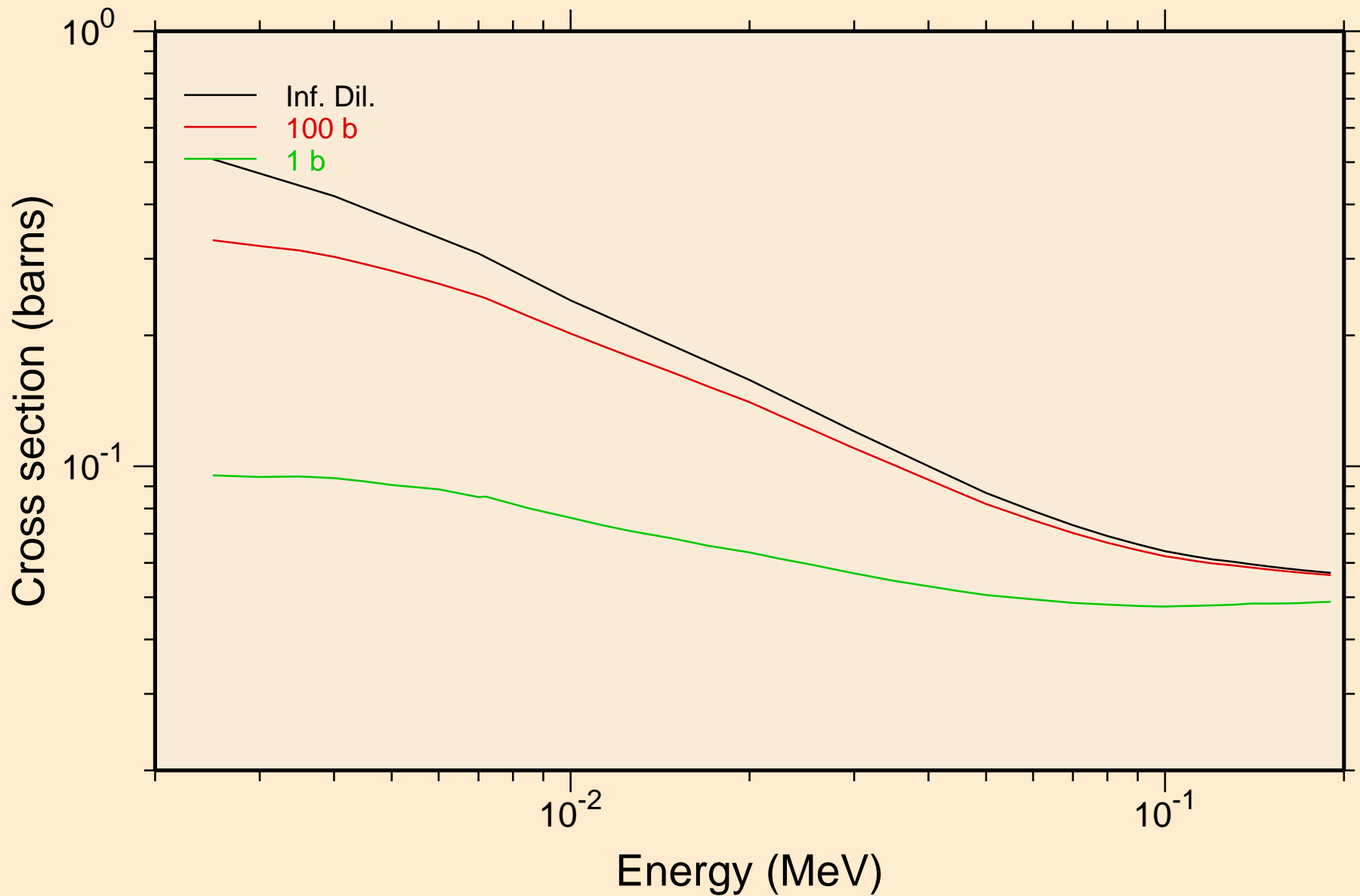




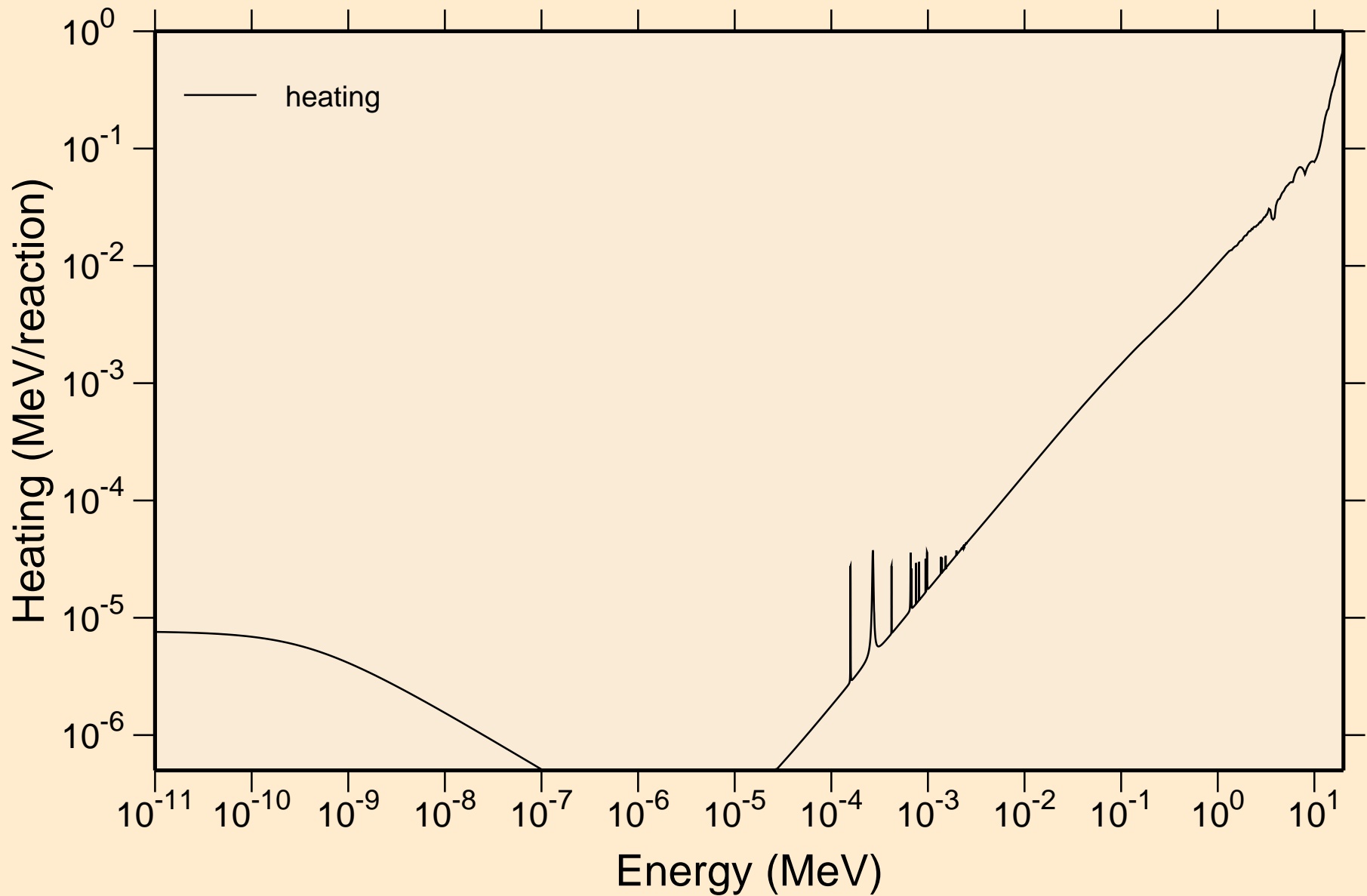
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
UR elastic cross section



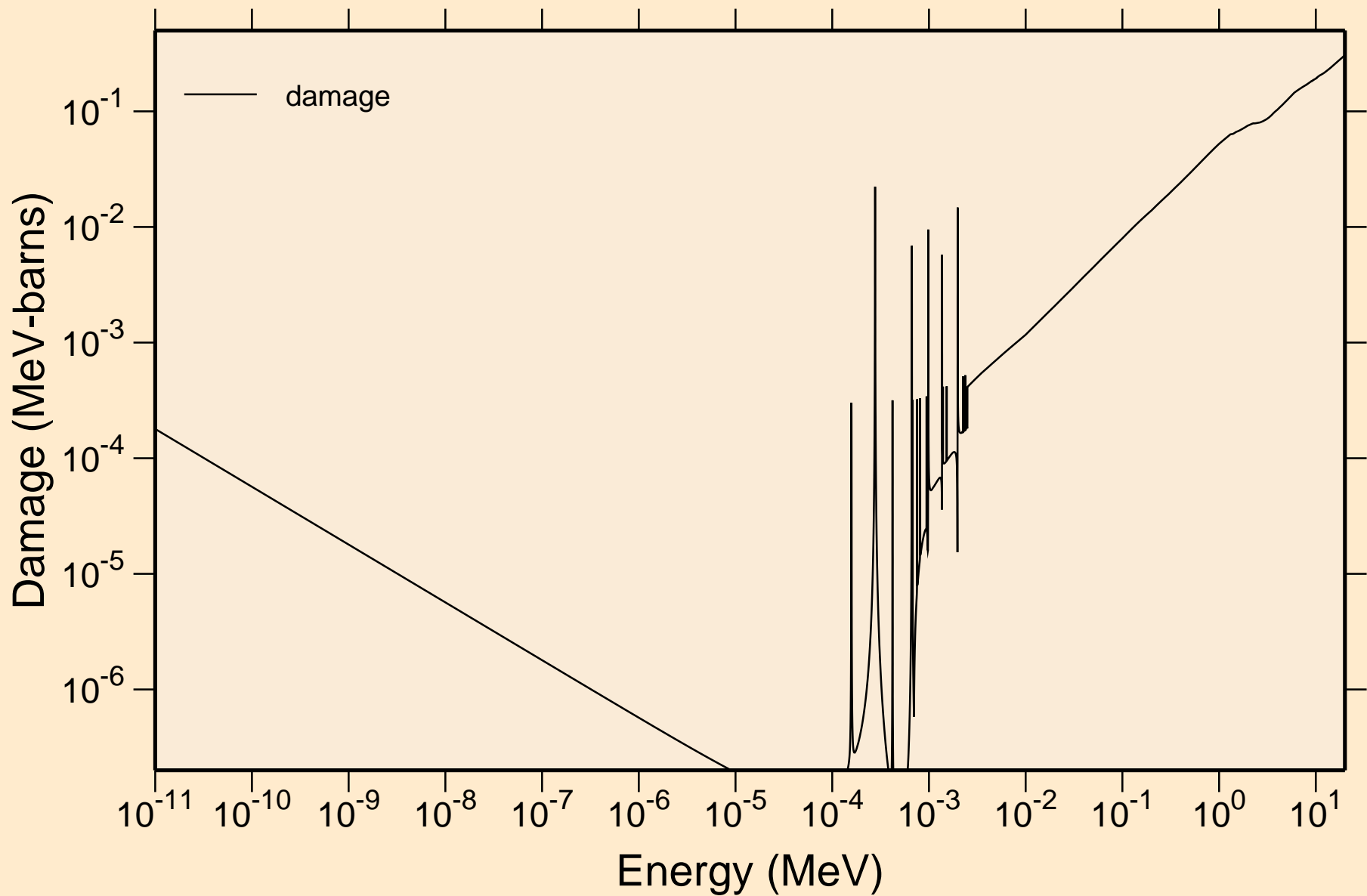
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UR capture cross section



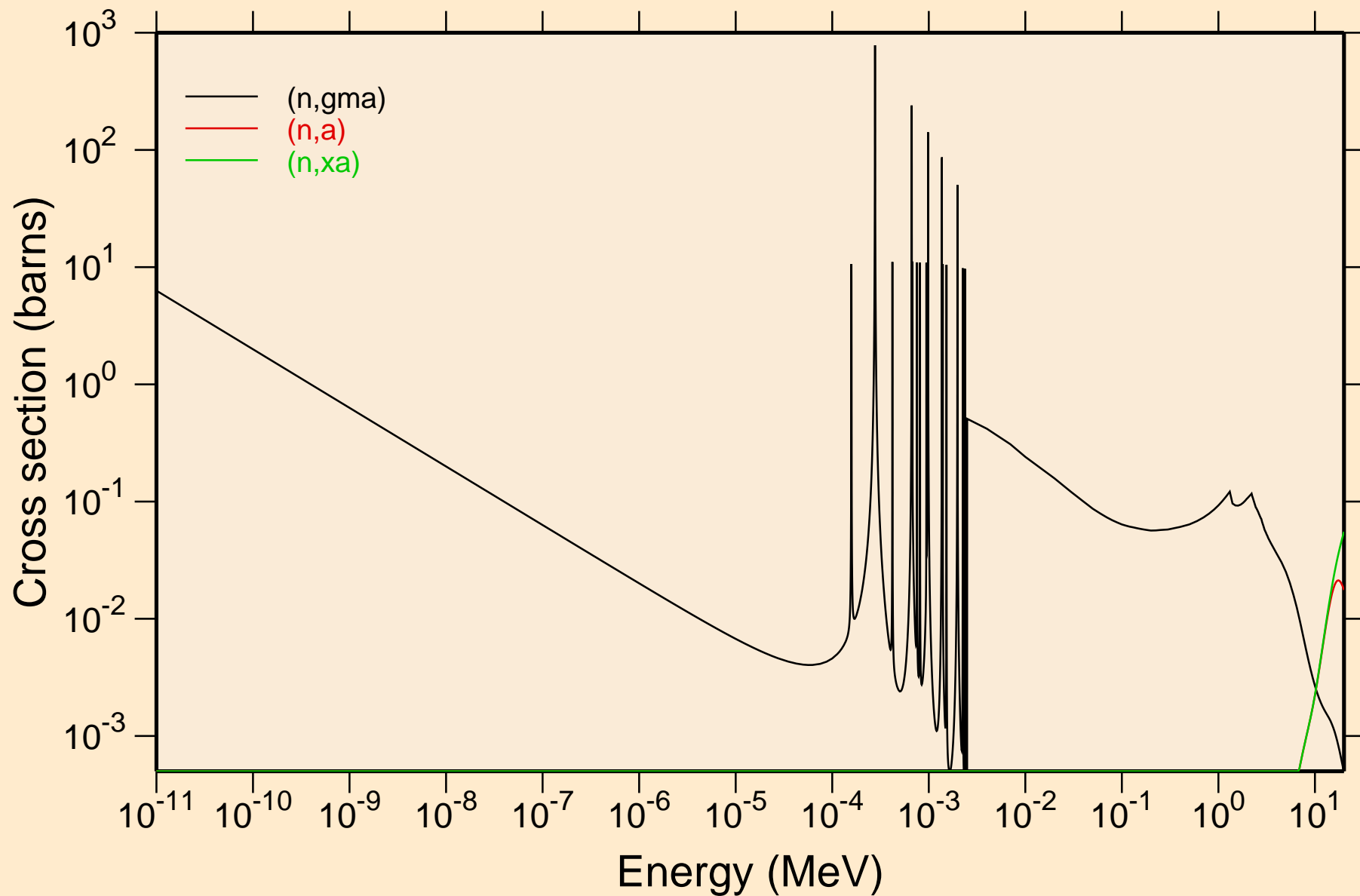
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage

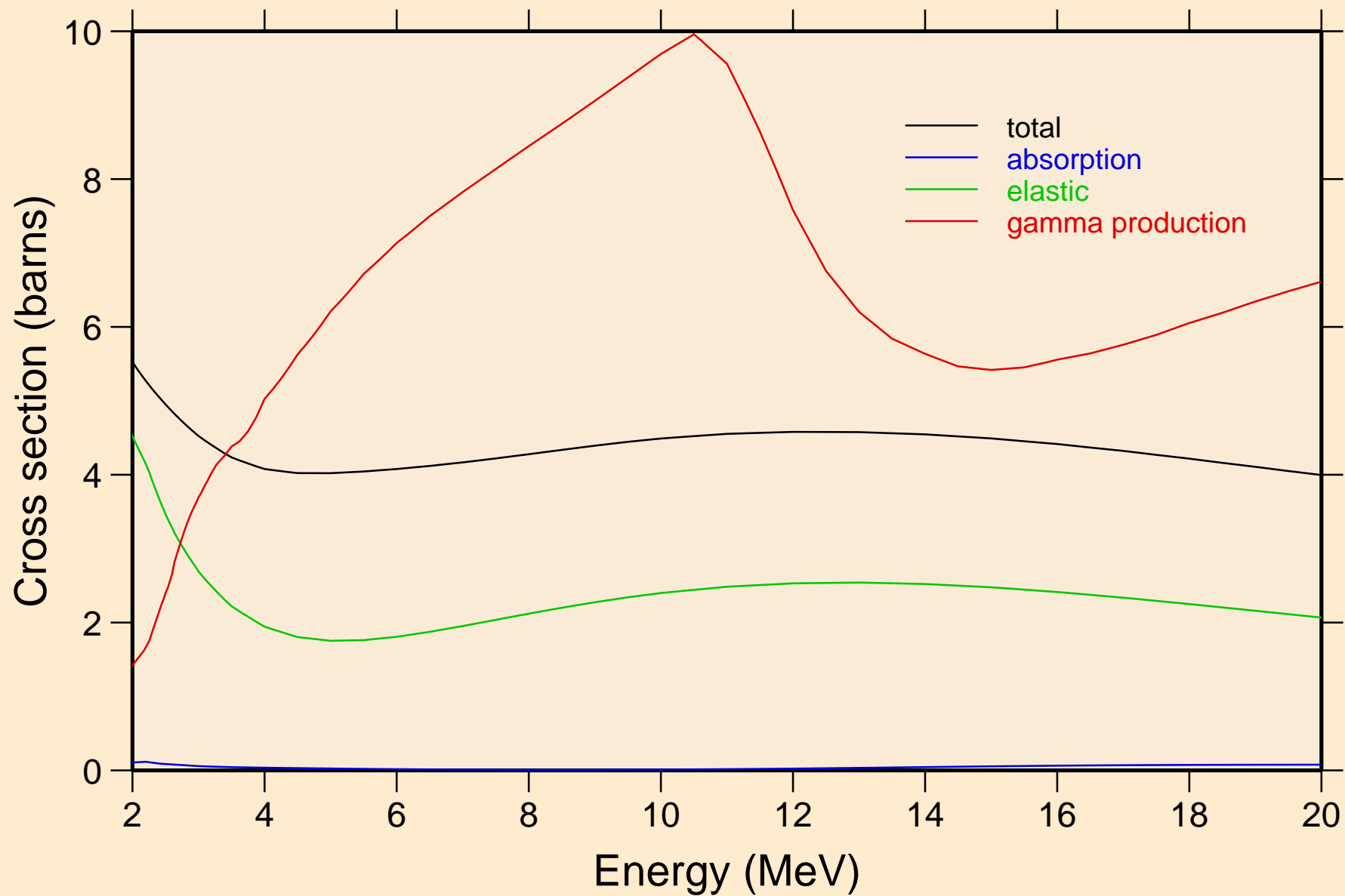


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Non-threshold reactions

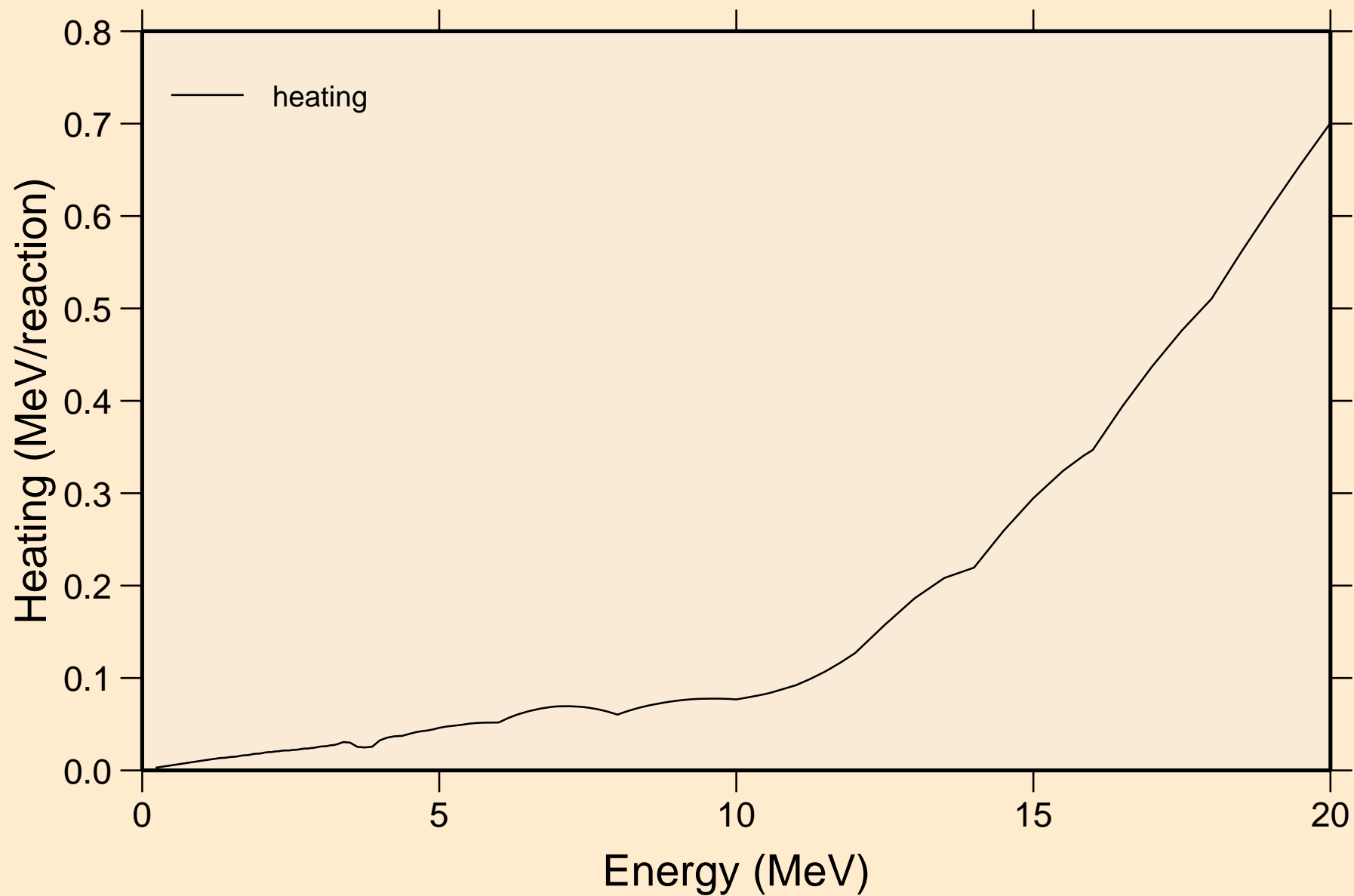


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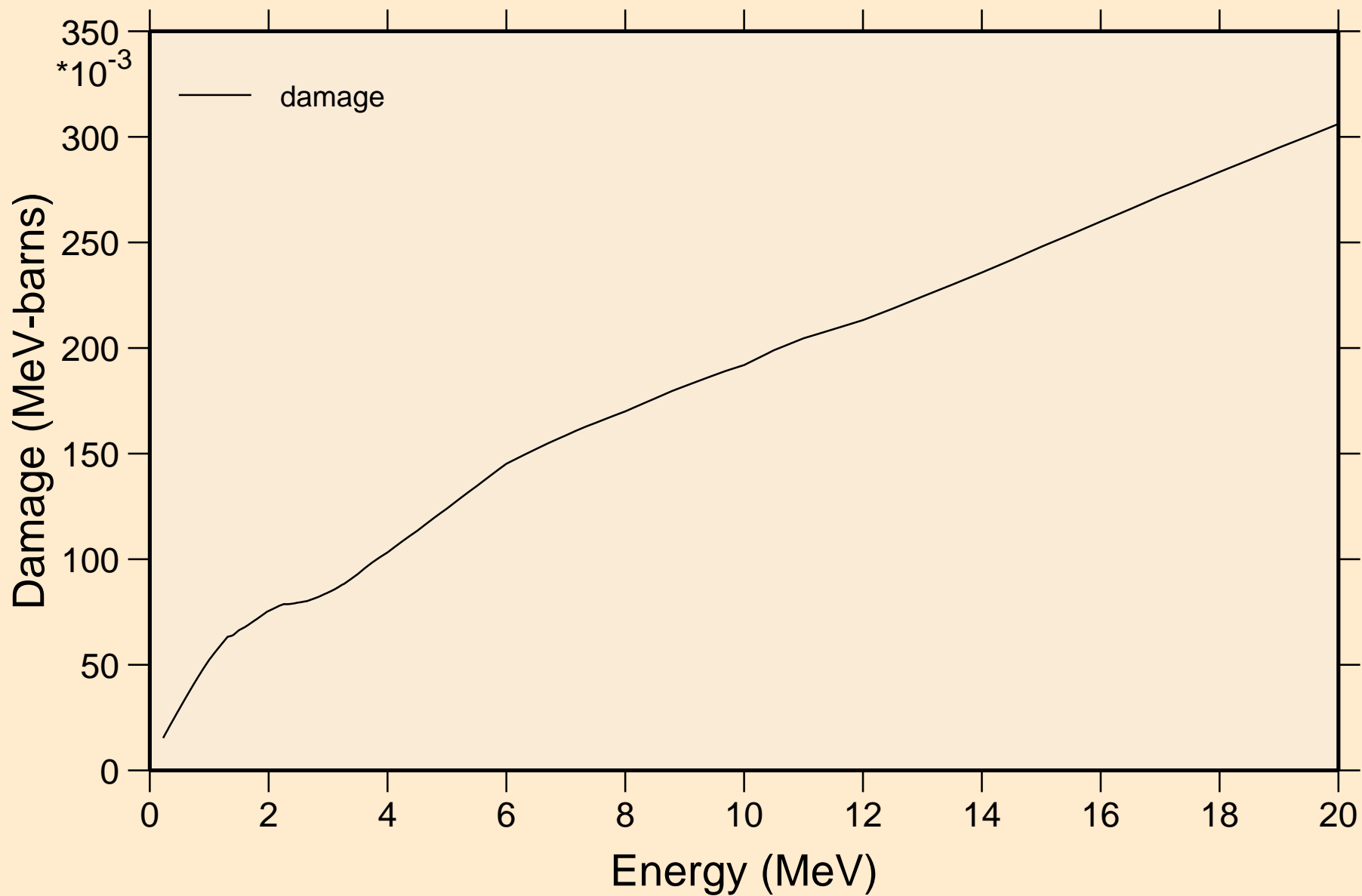
## Principal cross sections



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Heating

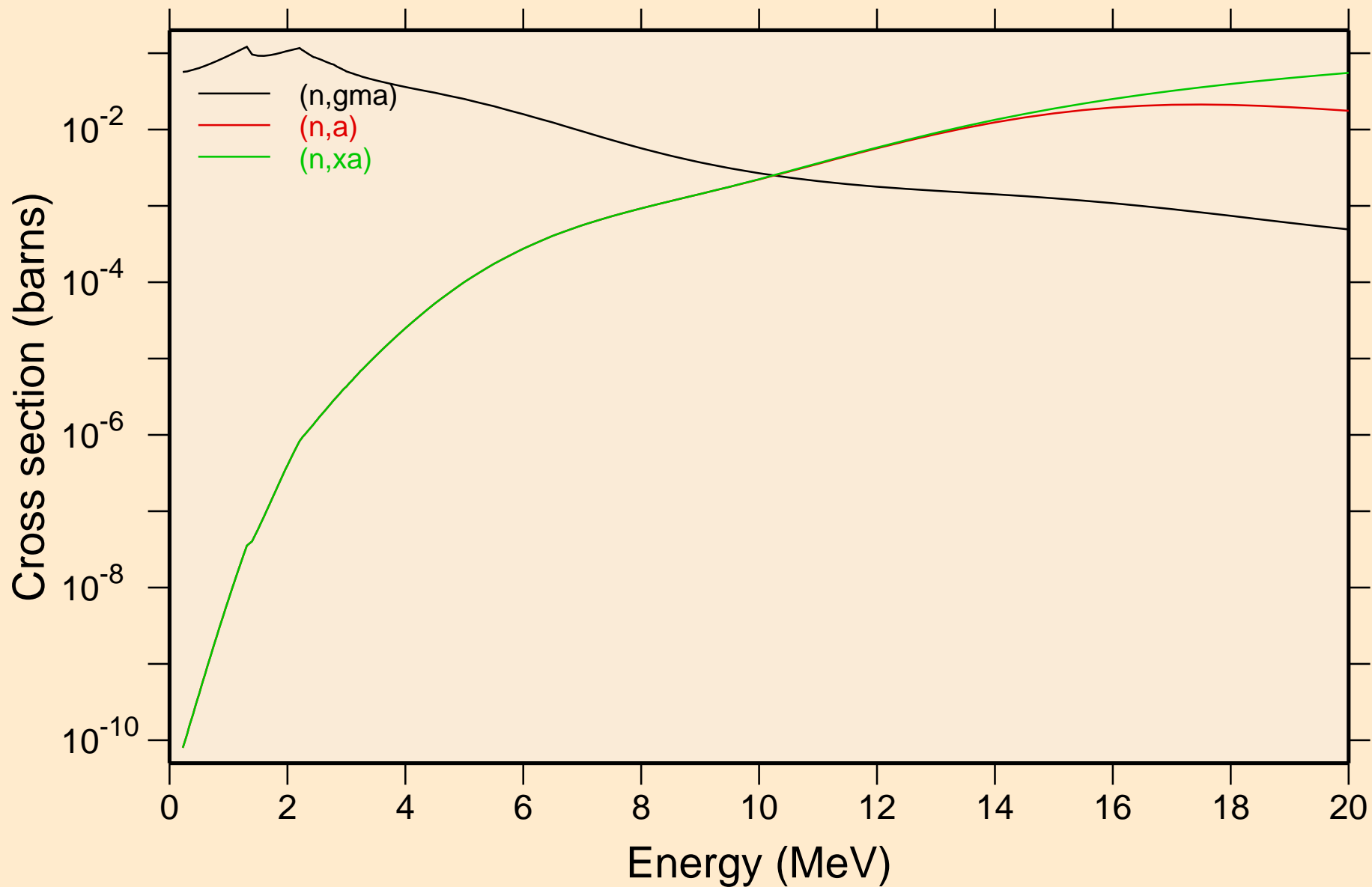


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Damage

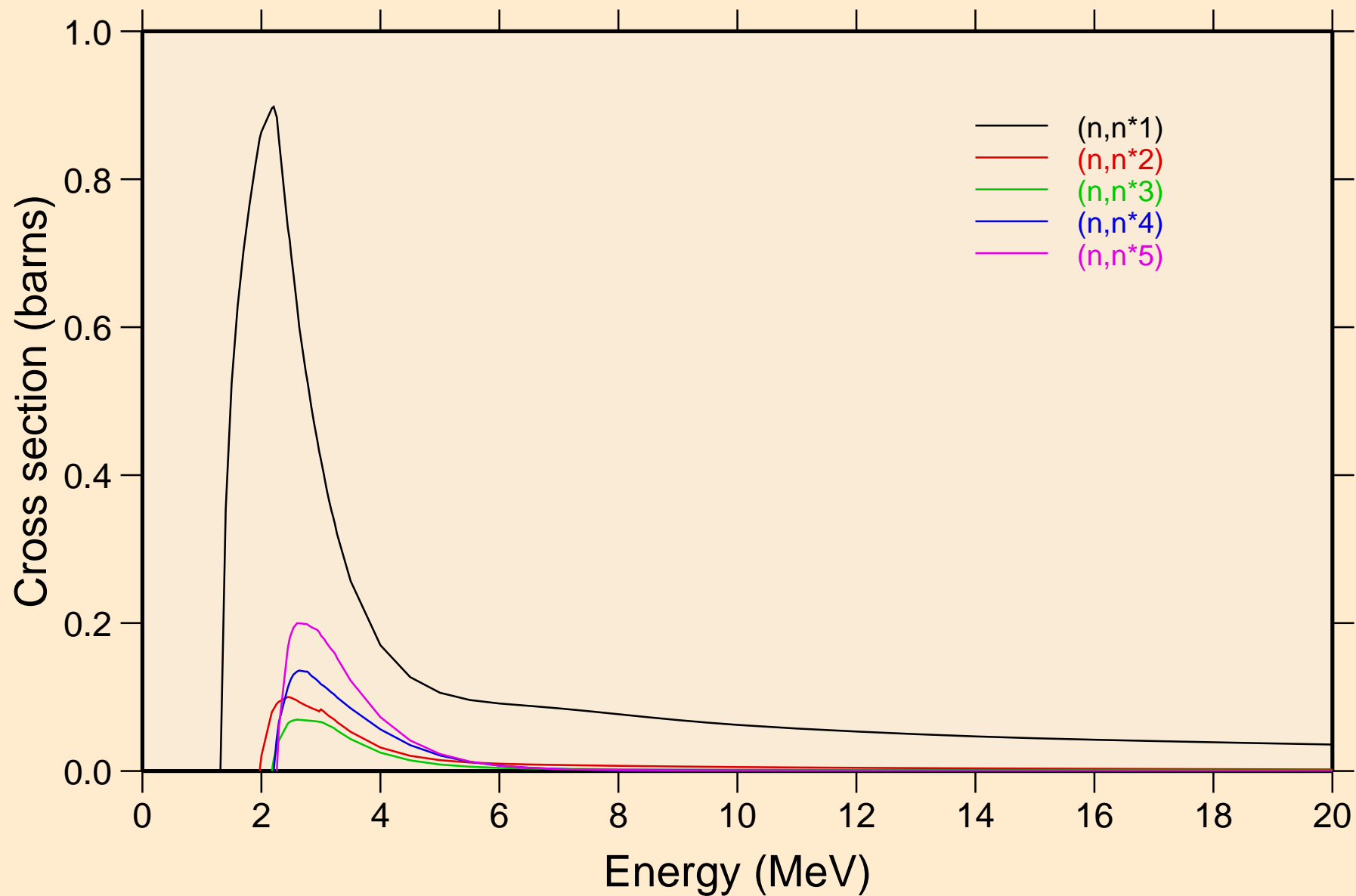




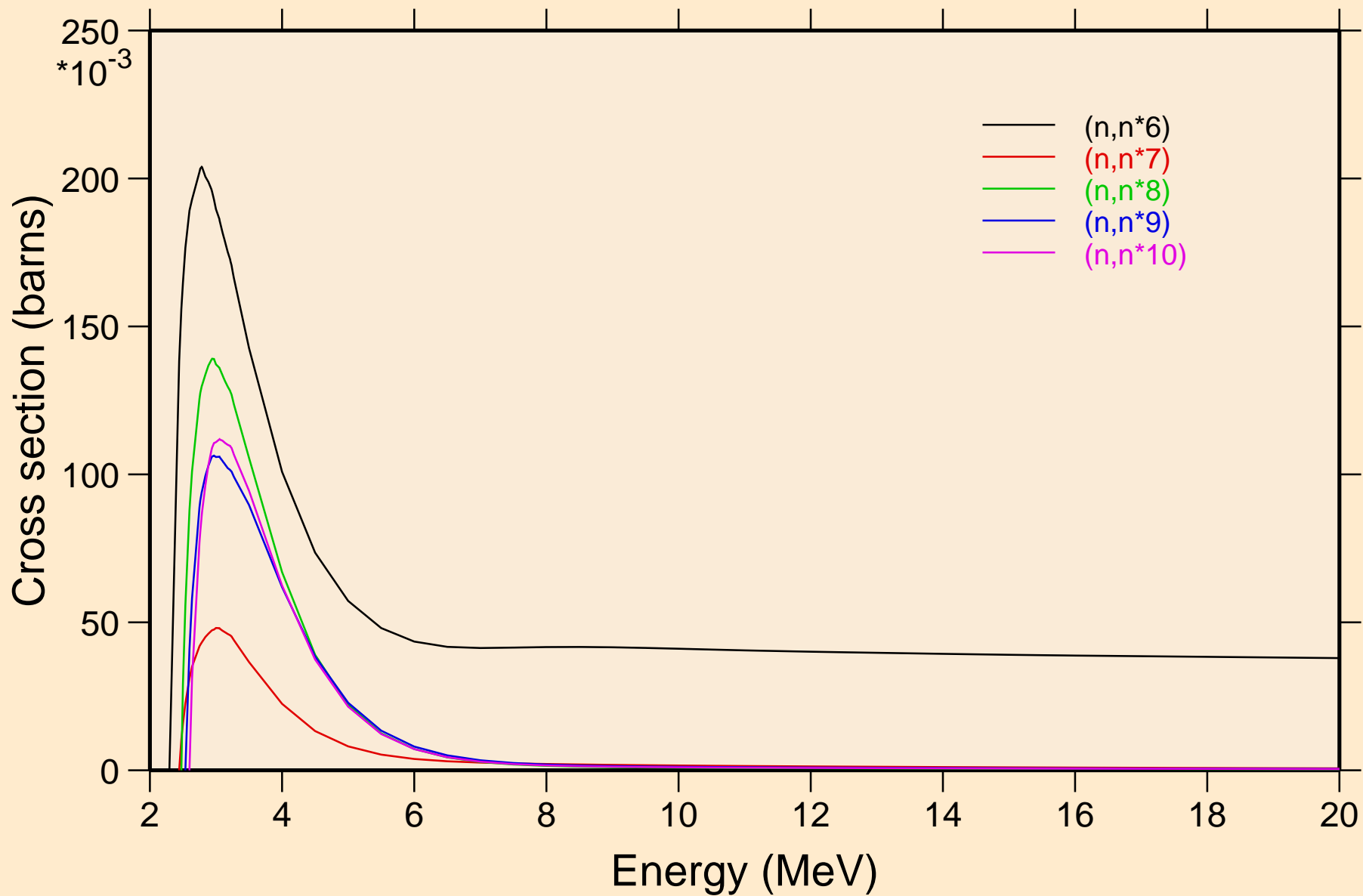
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Non-threshold reactions



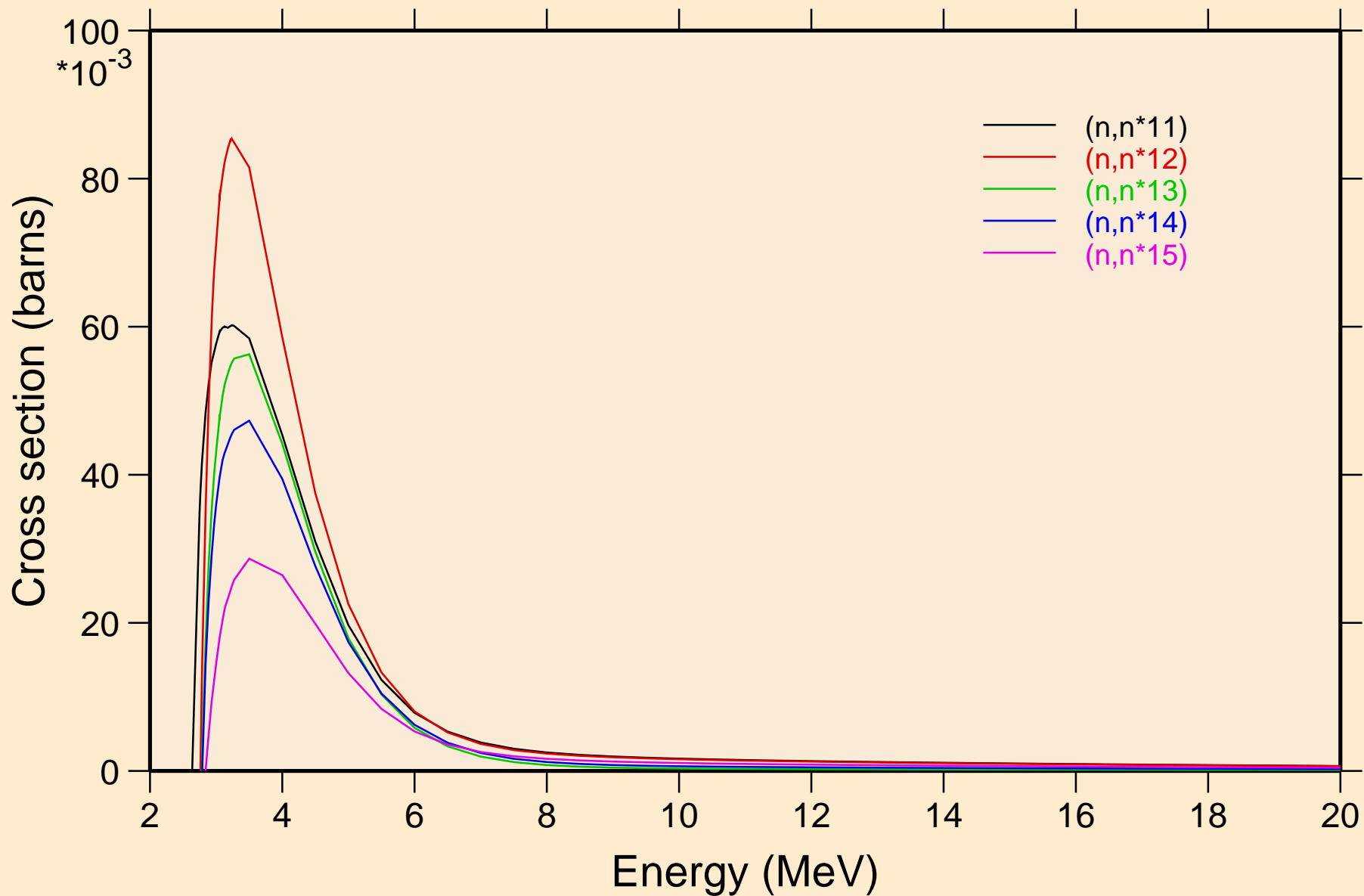
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Inelastic levels



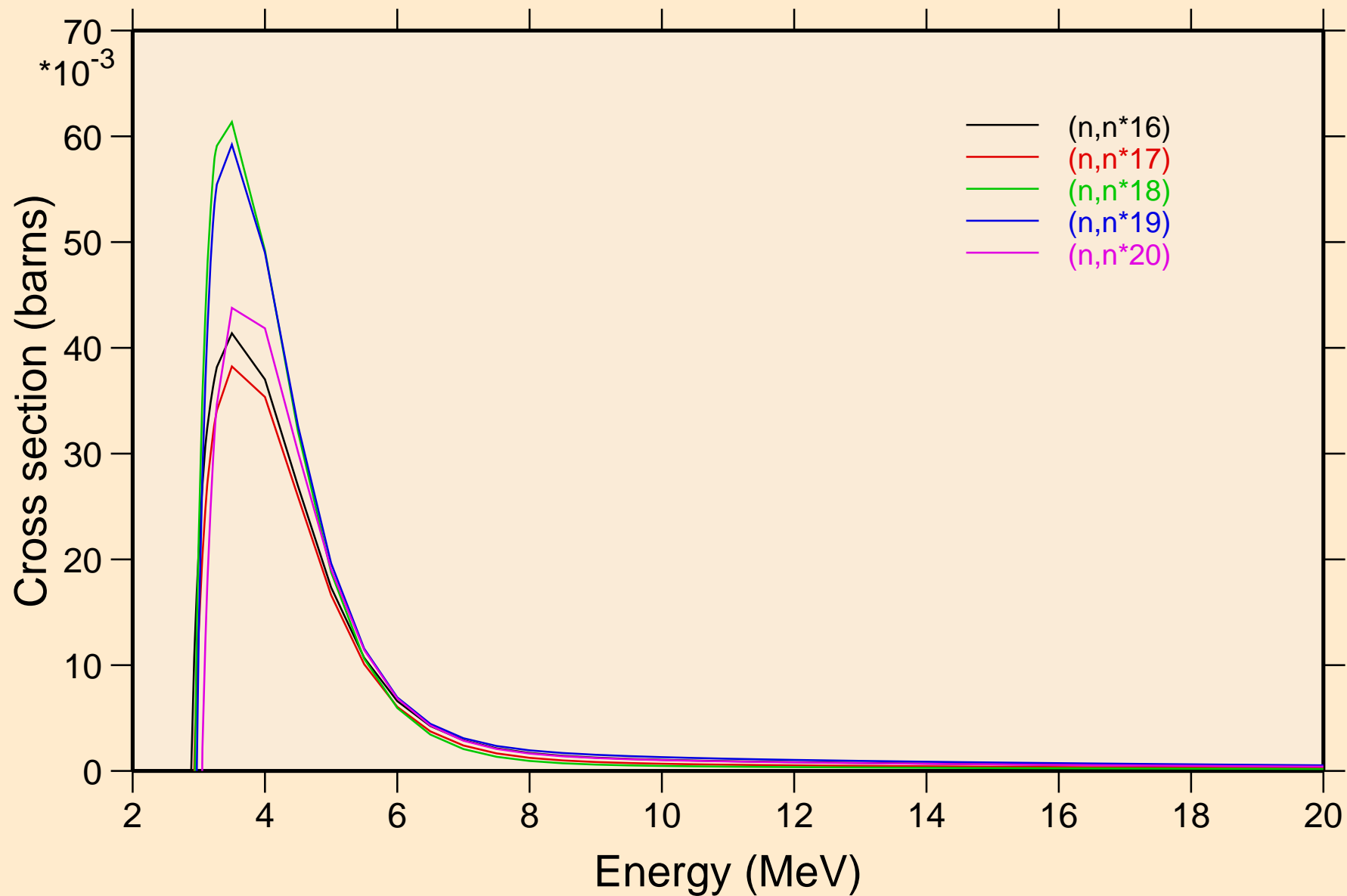
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Inelastic levels



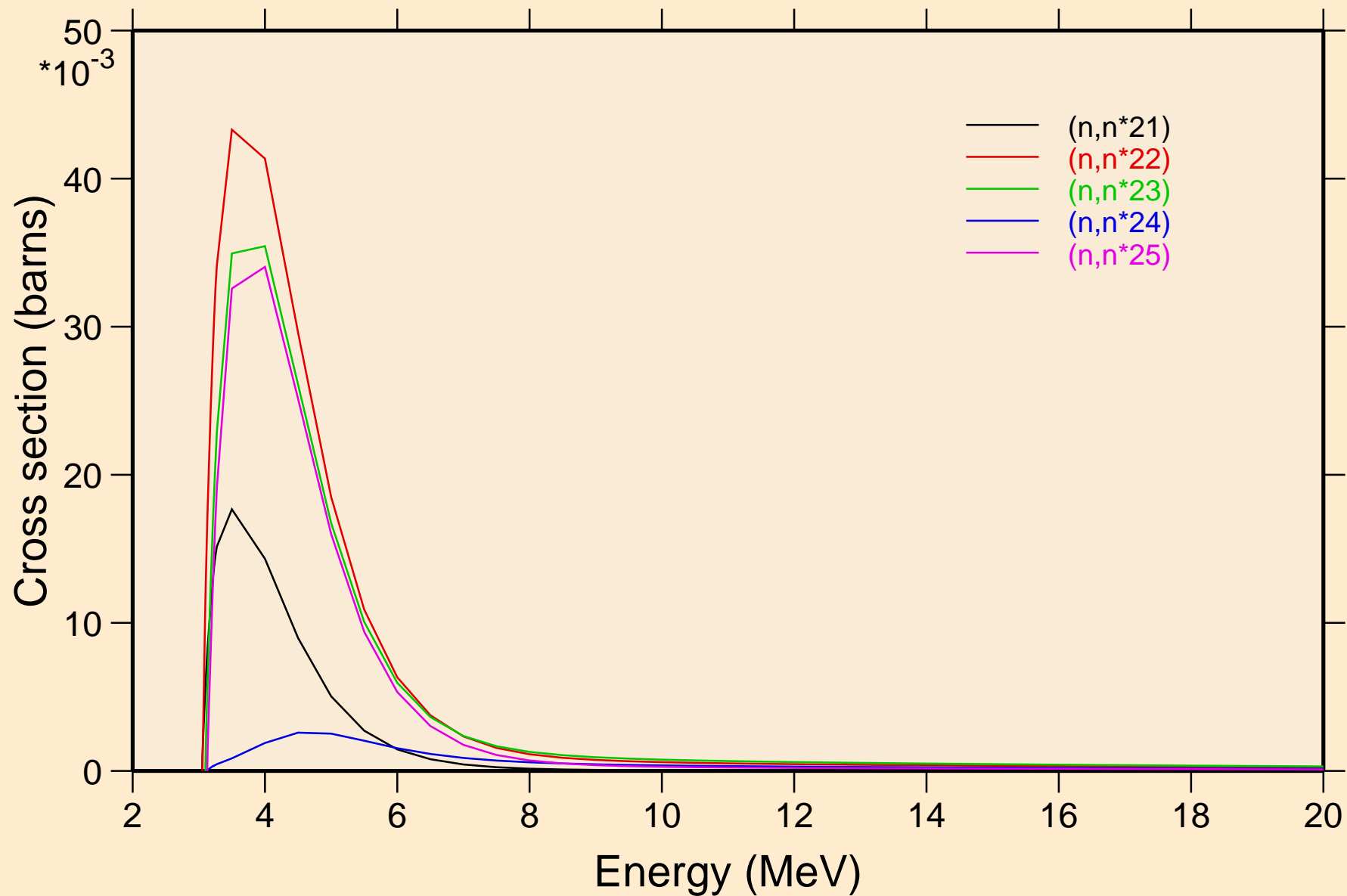
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Inelastic levels



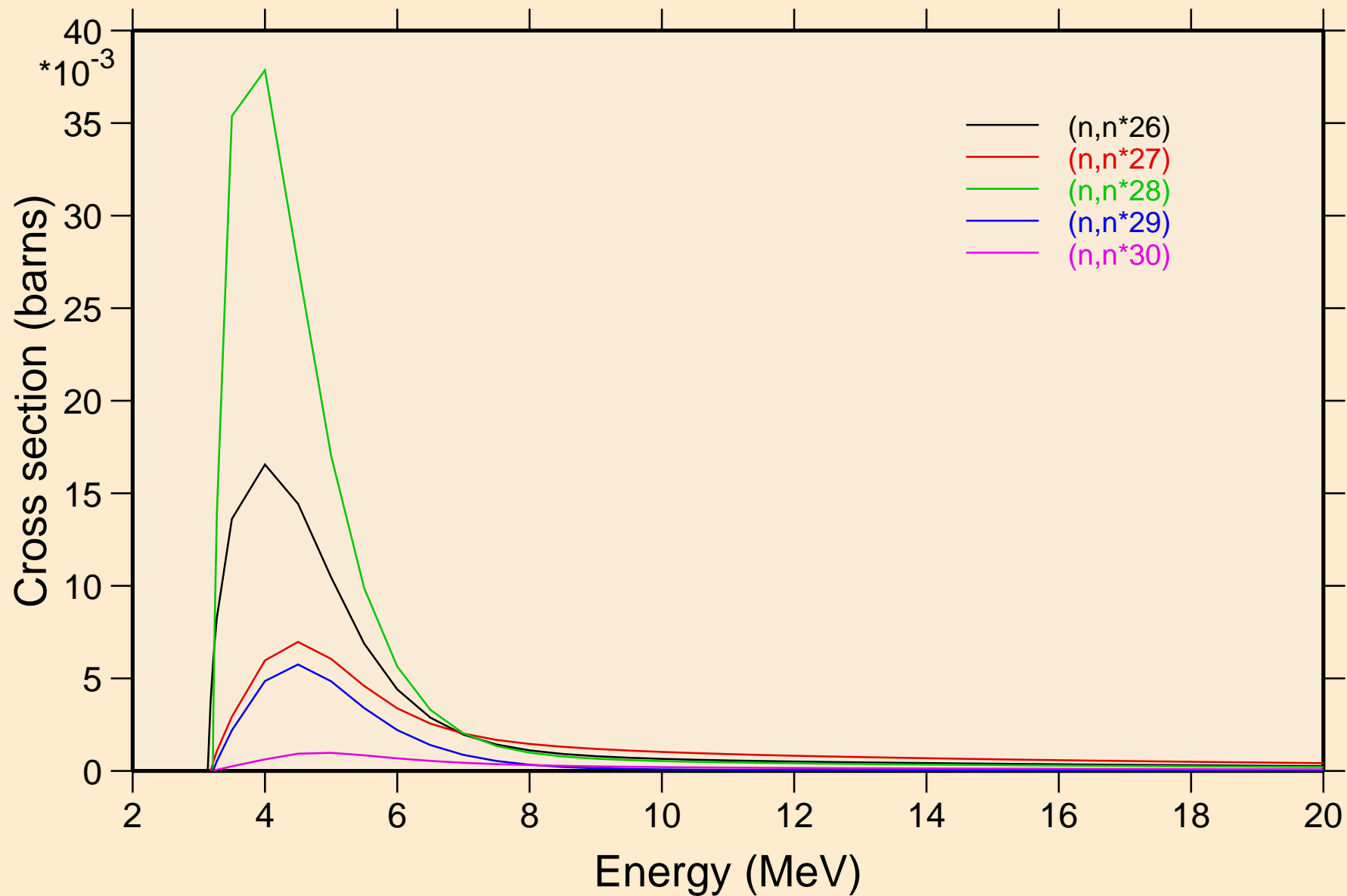
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Inelastic levels



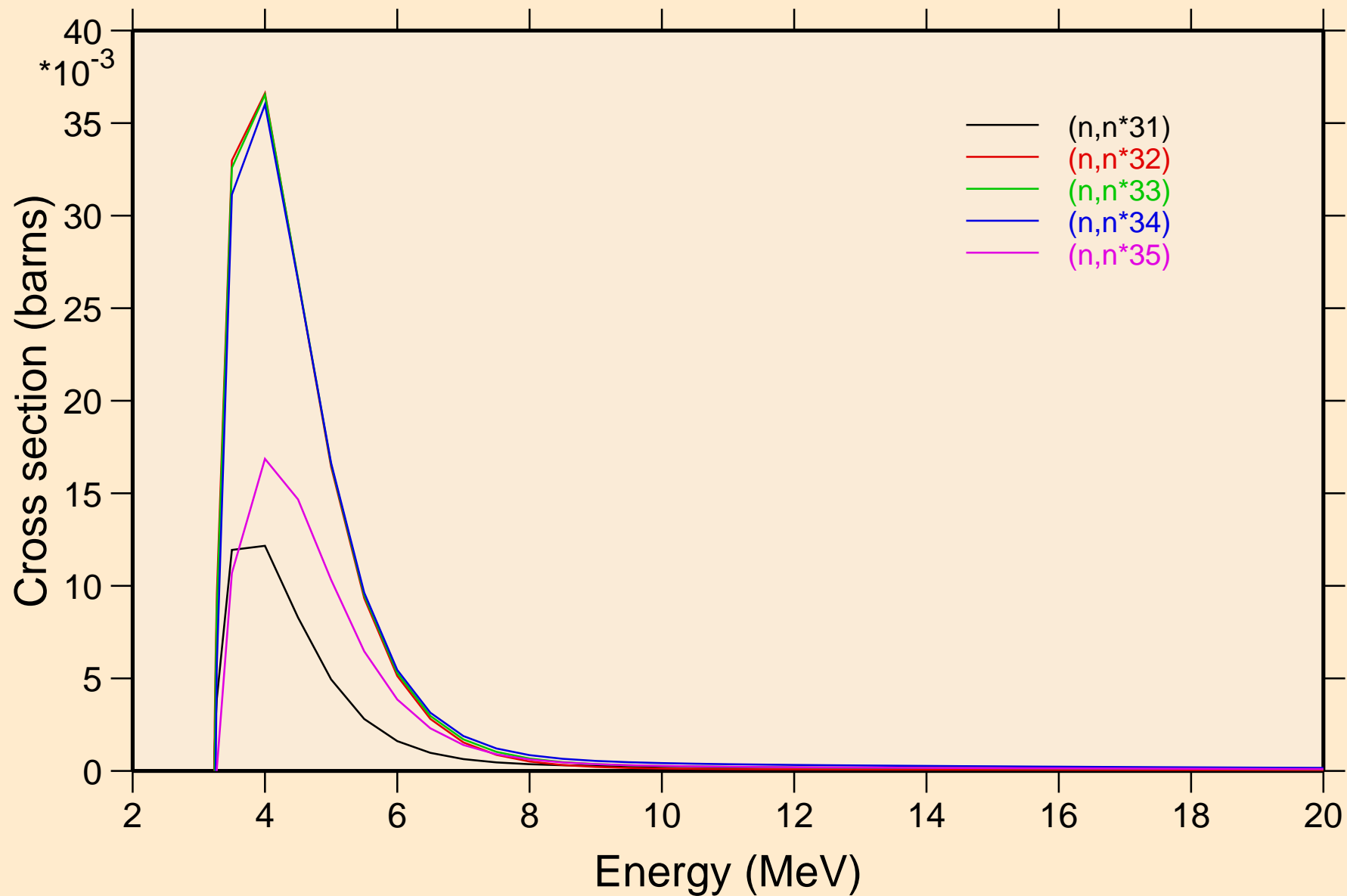
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels

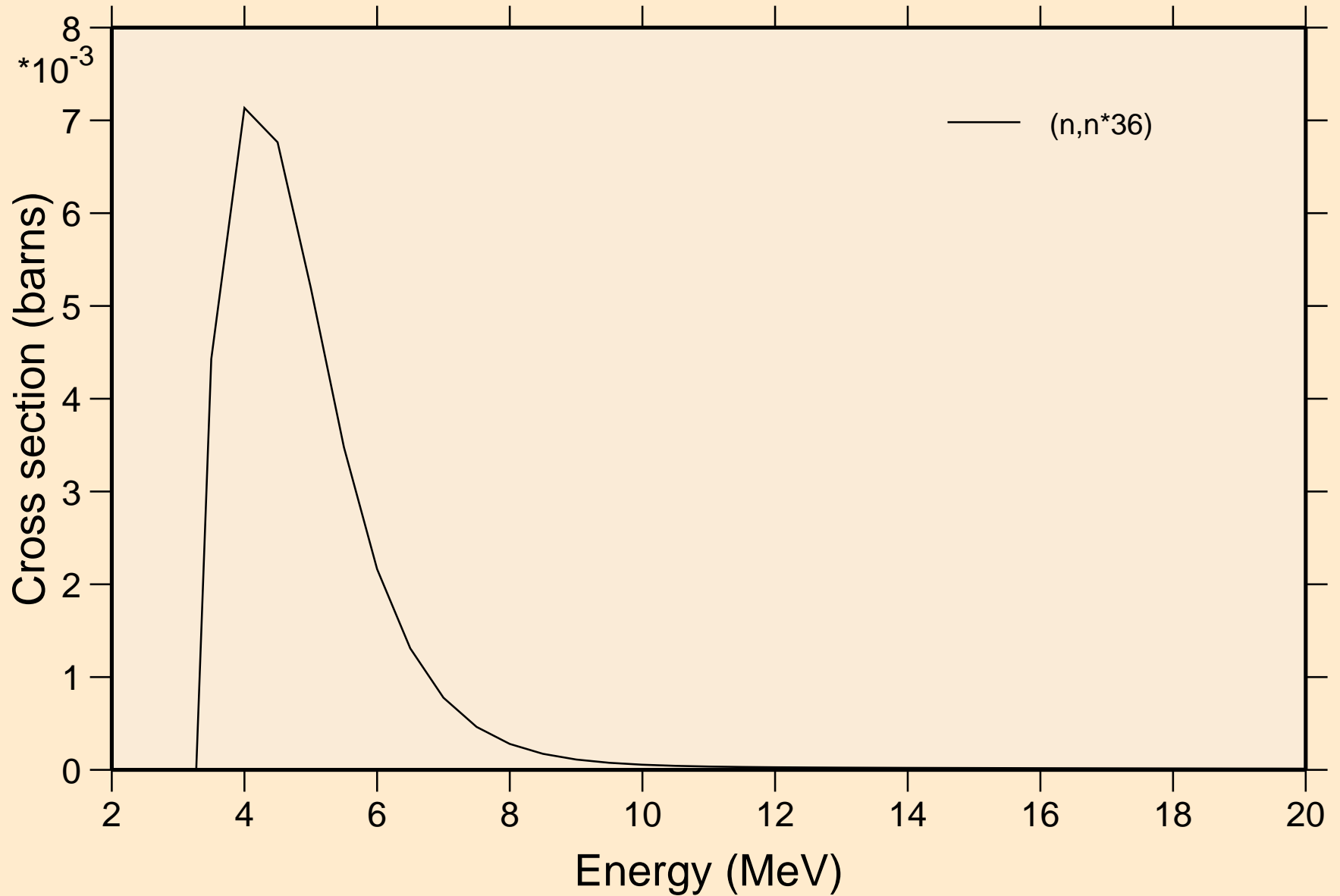


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Inelastic levels

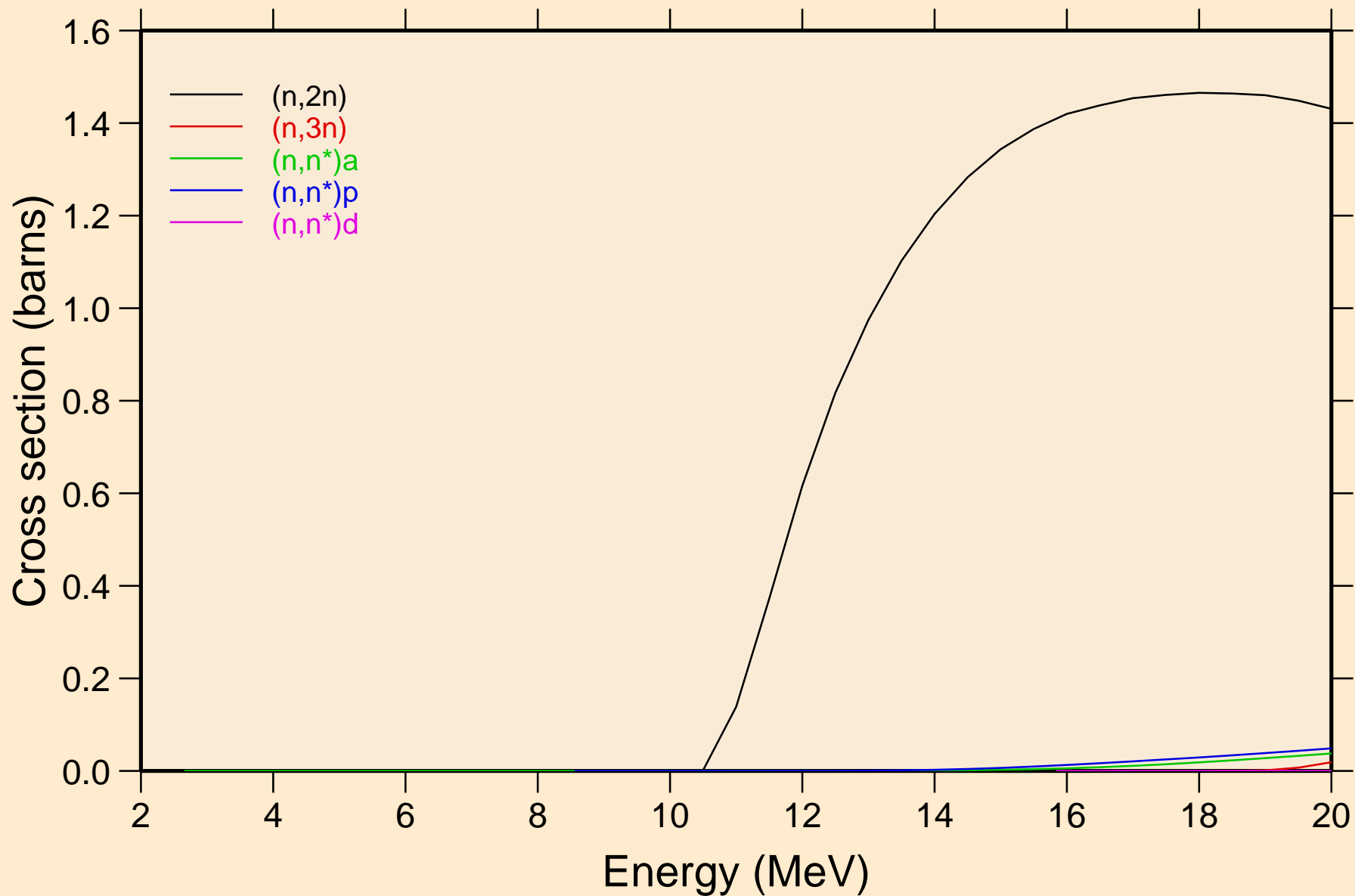




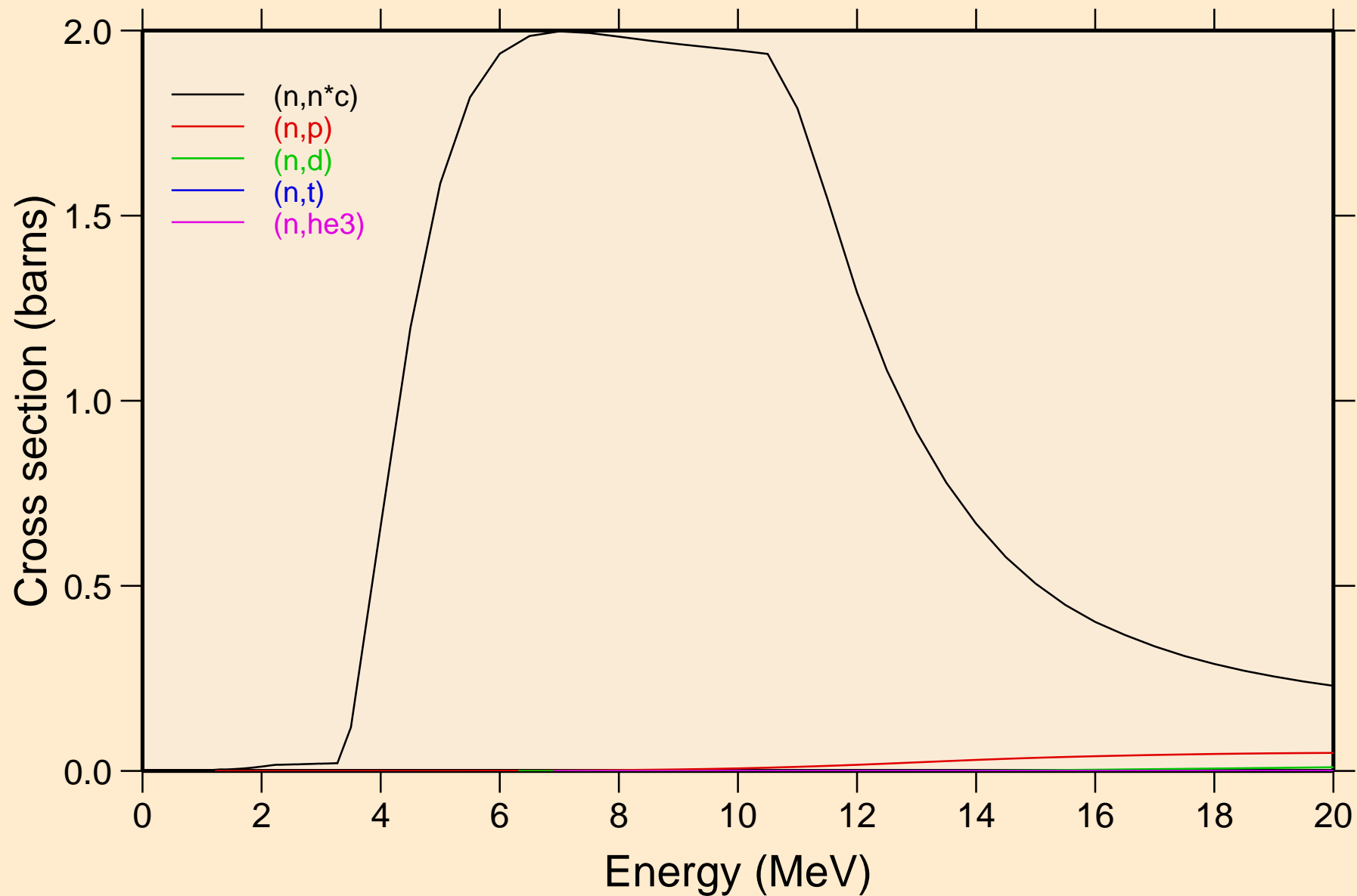
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Inelastic levels



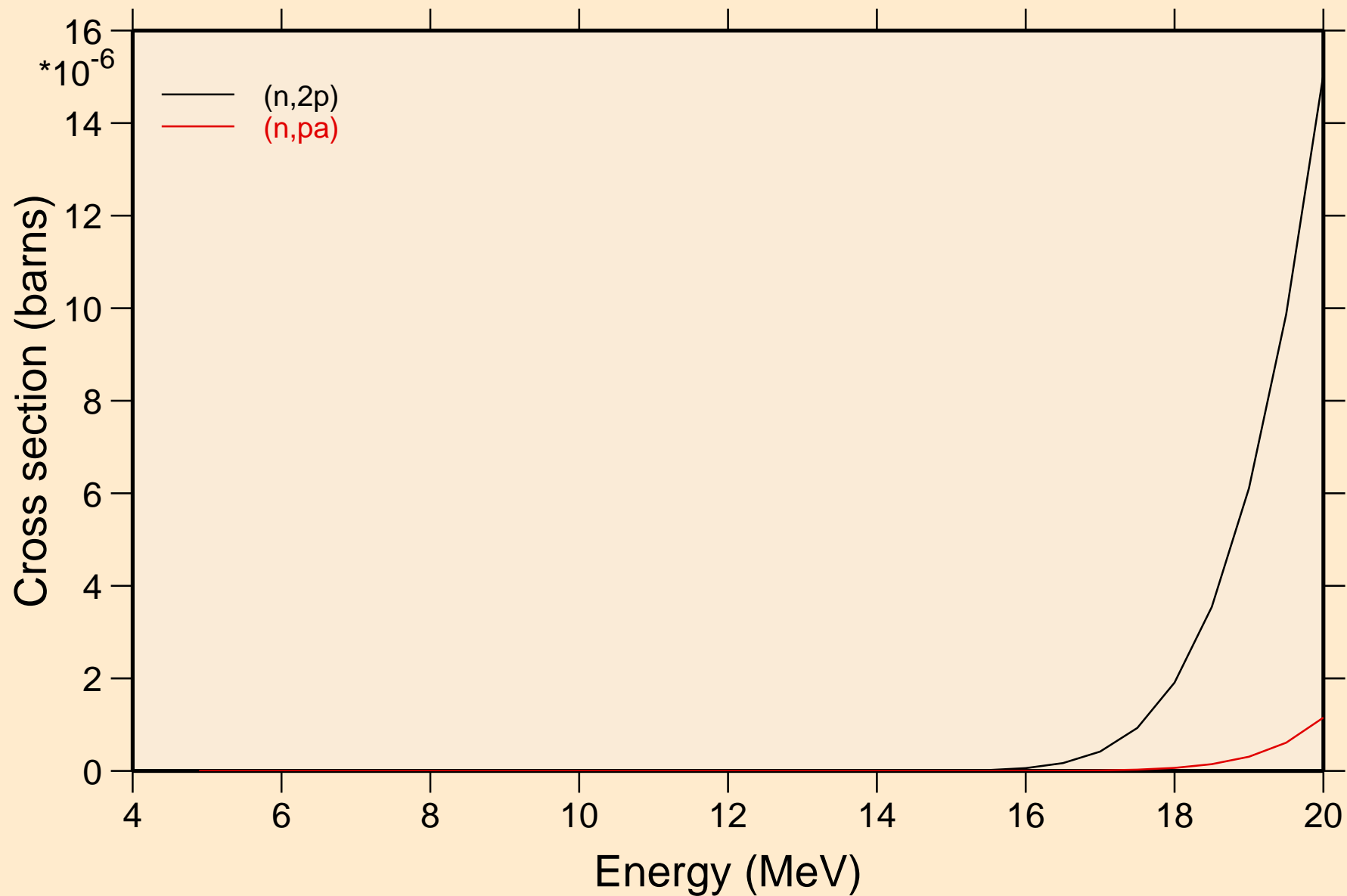
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



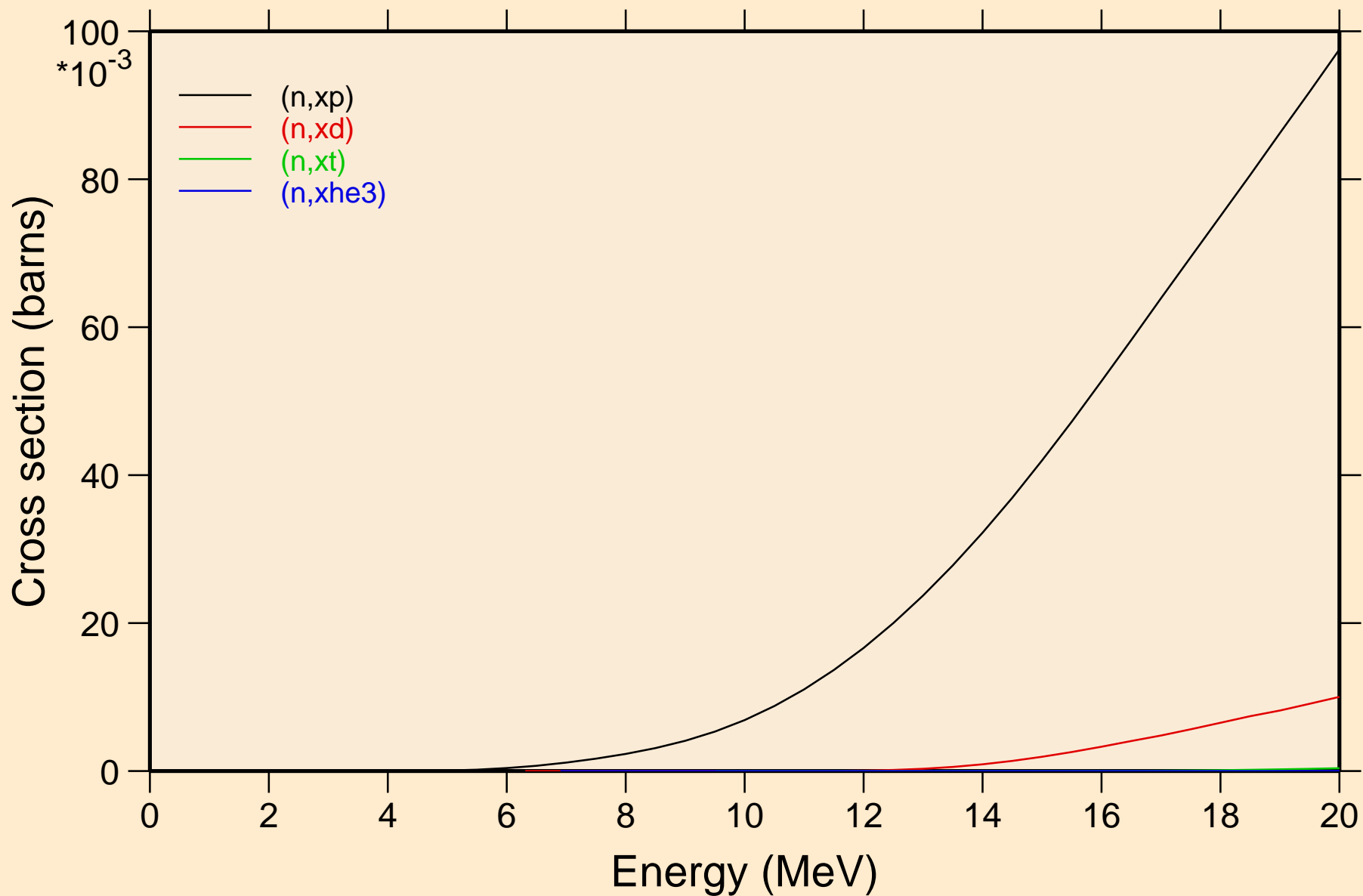
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Threshold reactions



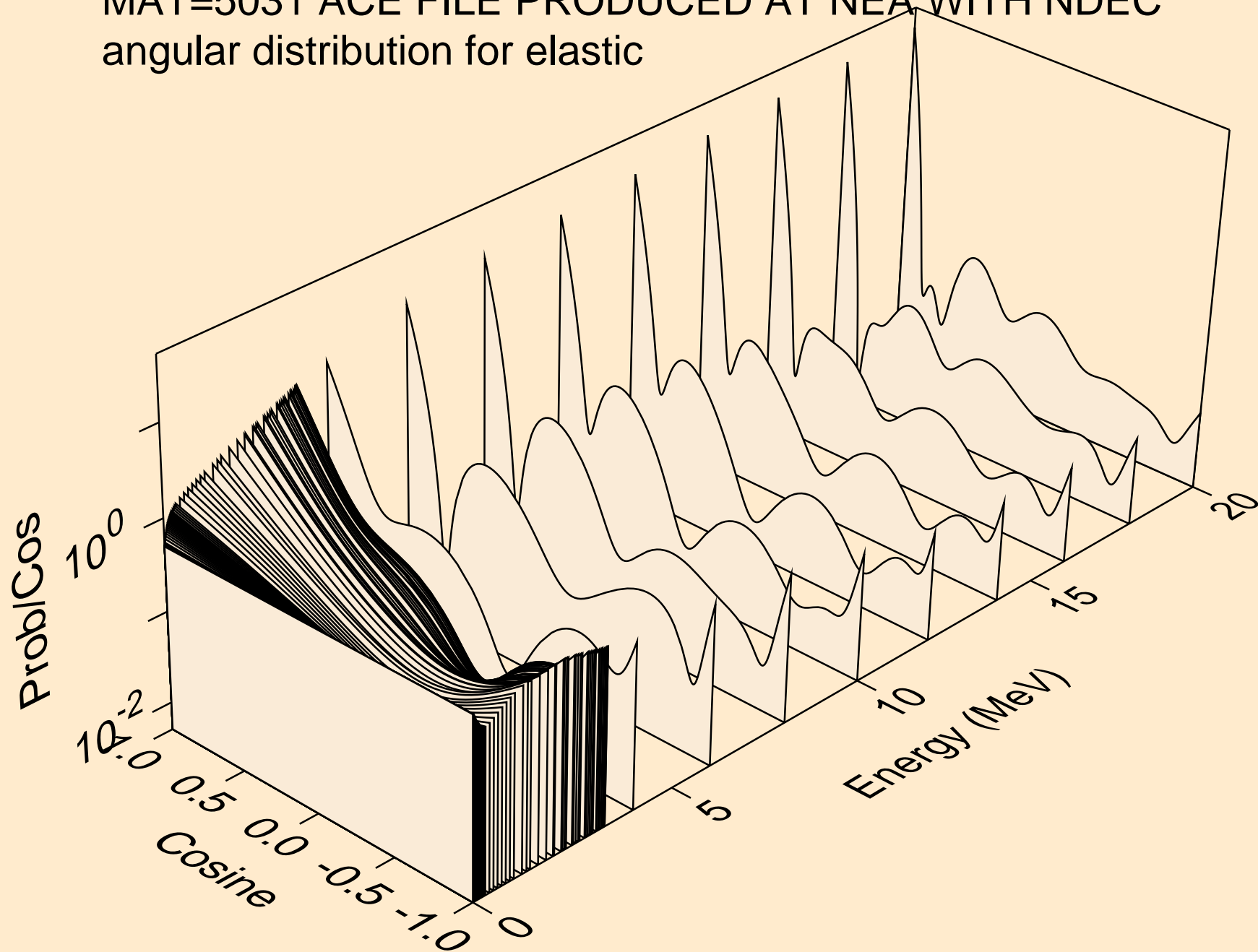
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



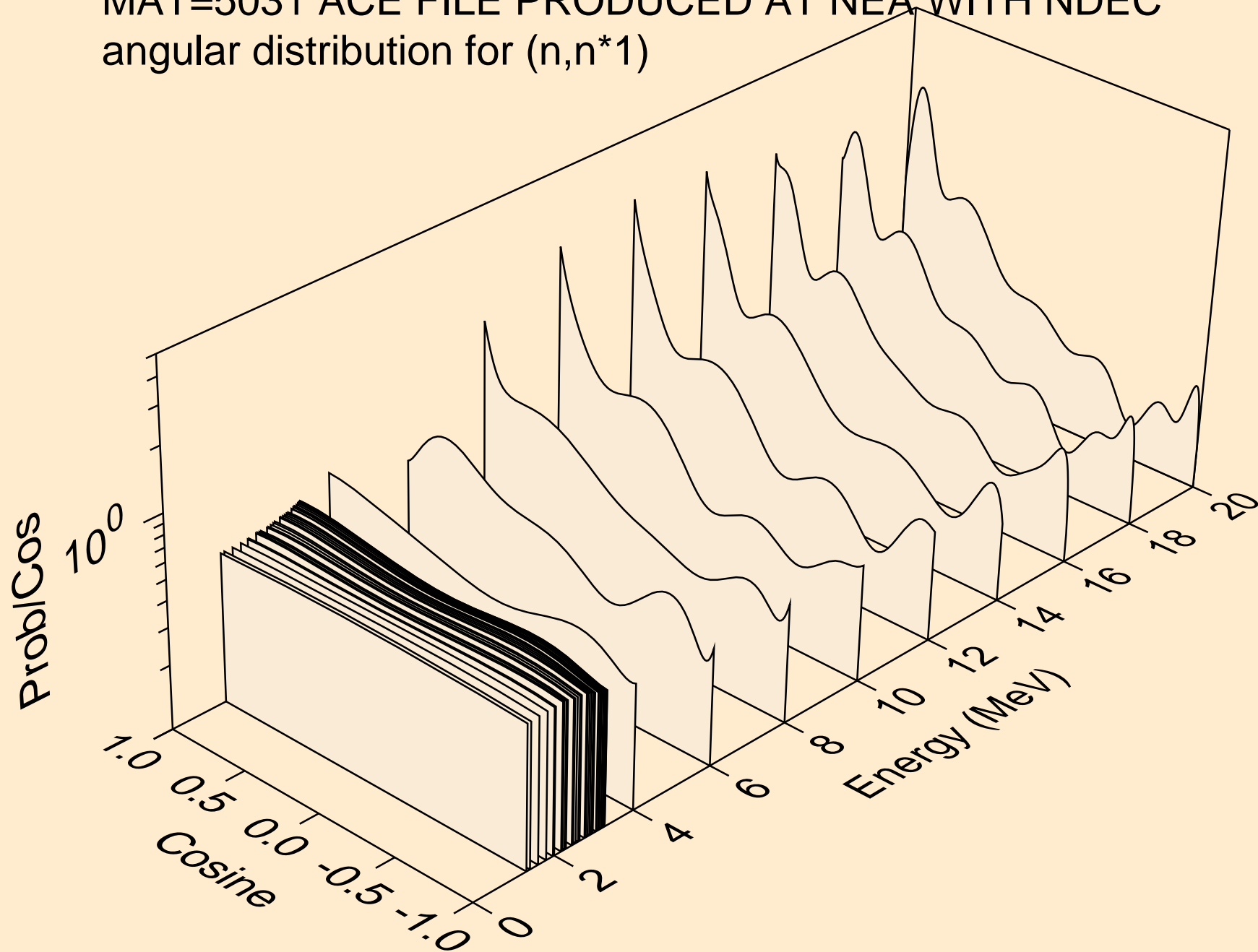
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Threshold reactions



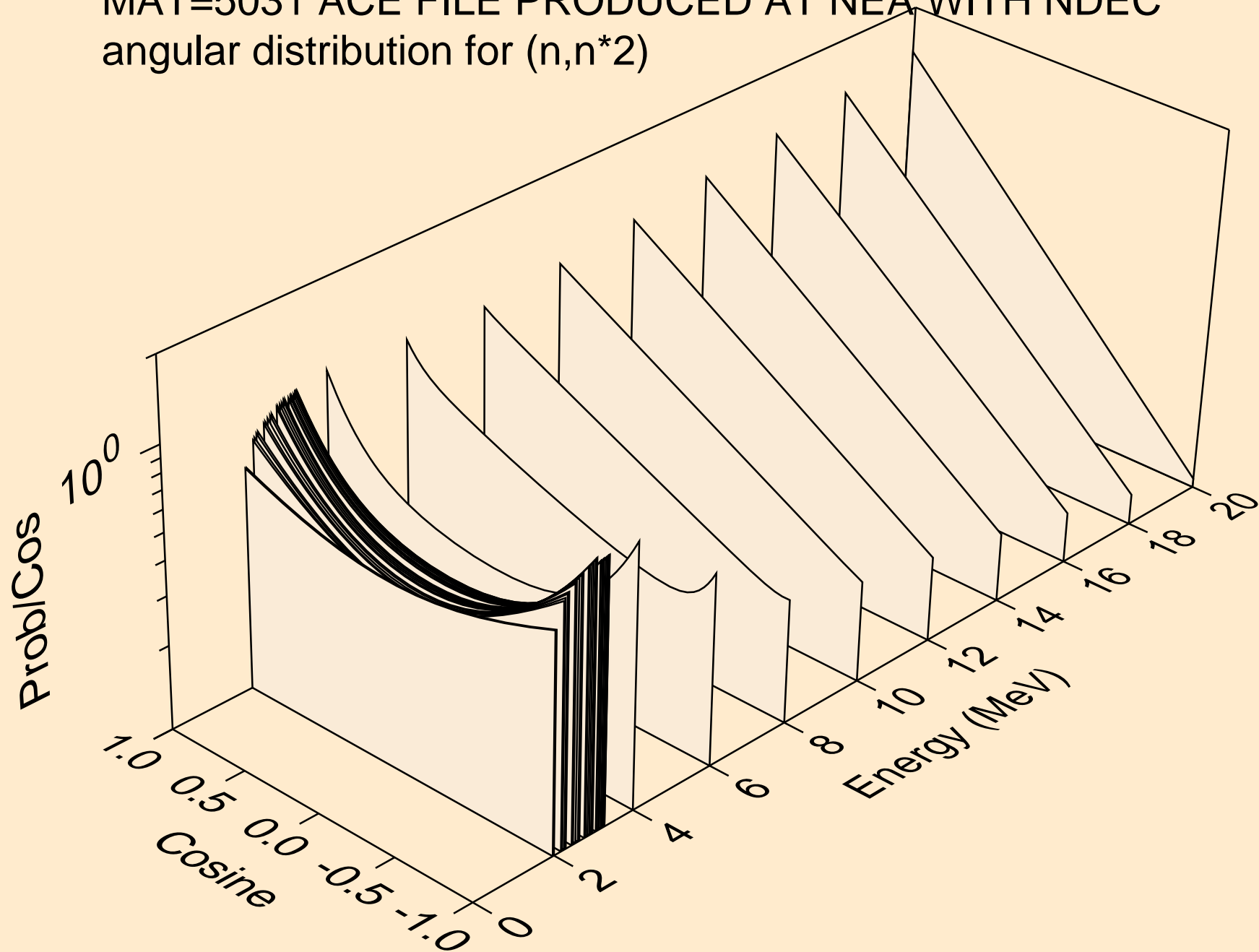
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for elastic



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*1)

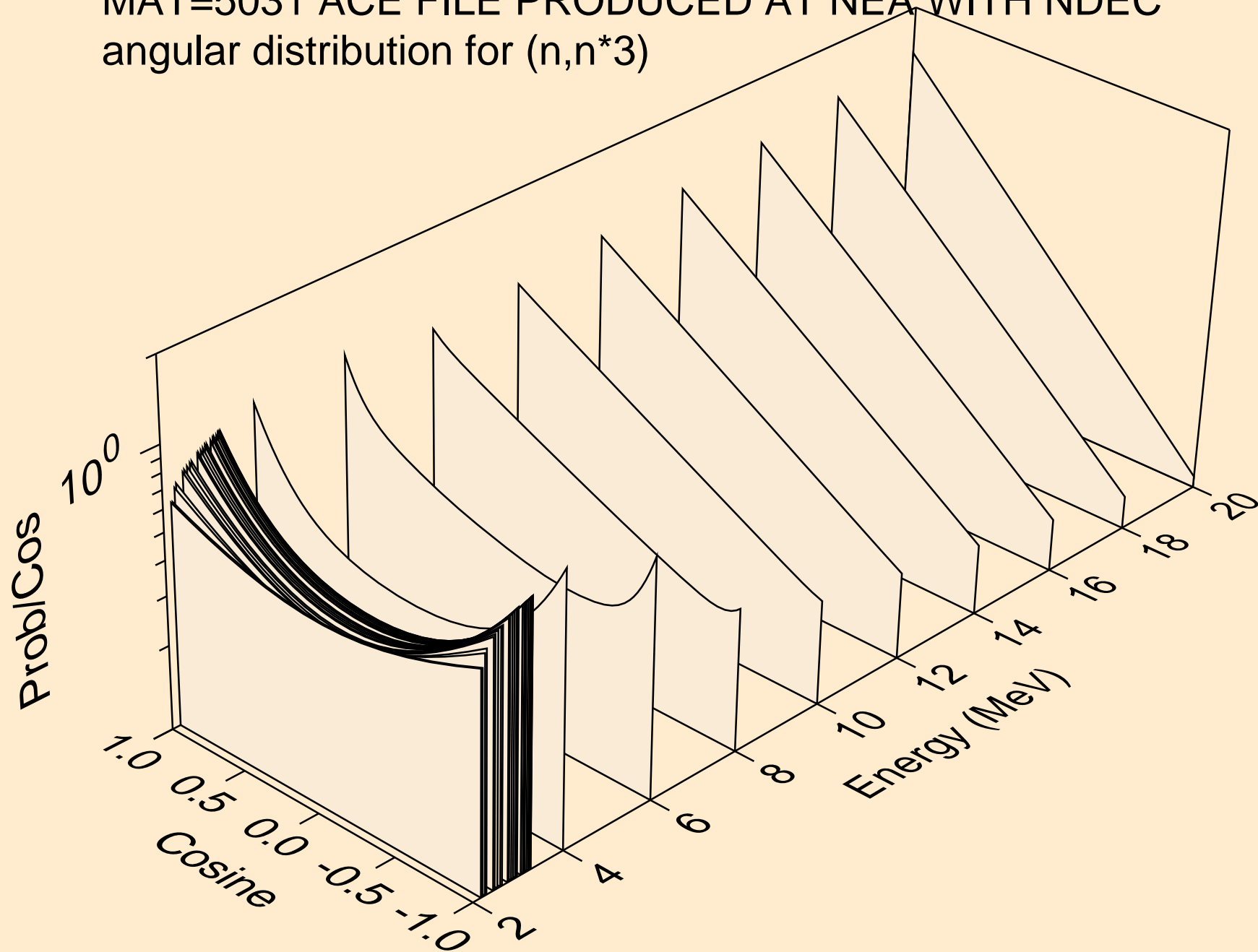


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*2)

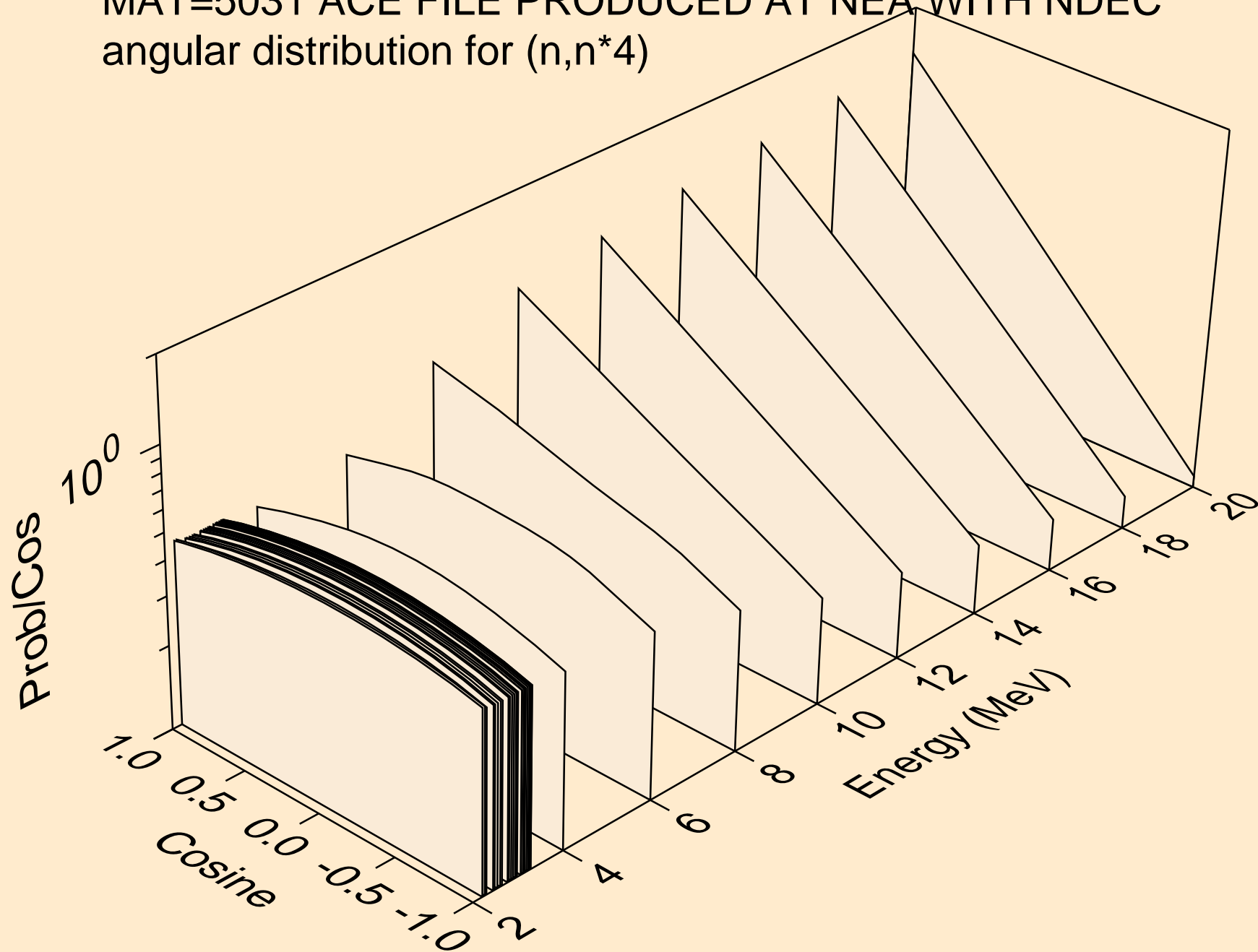




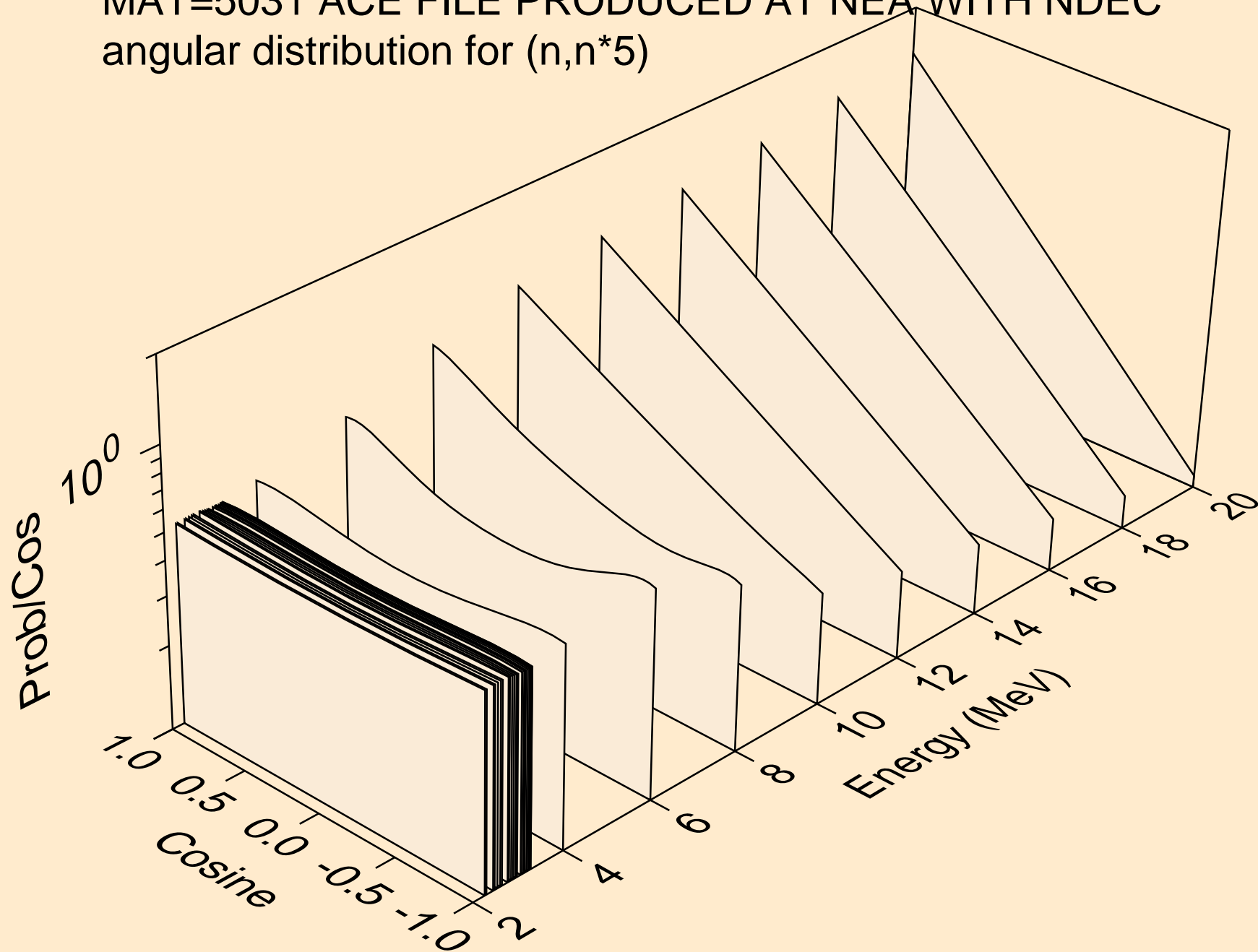
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angular distribution for (n,n\*3)



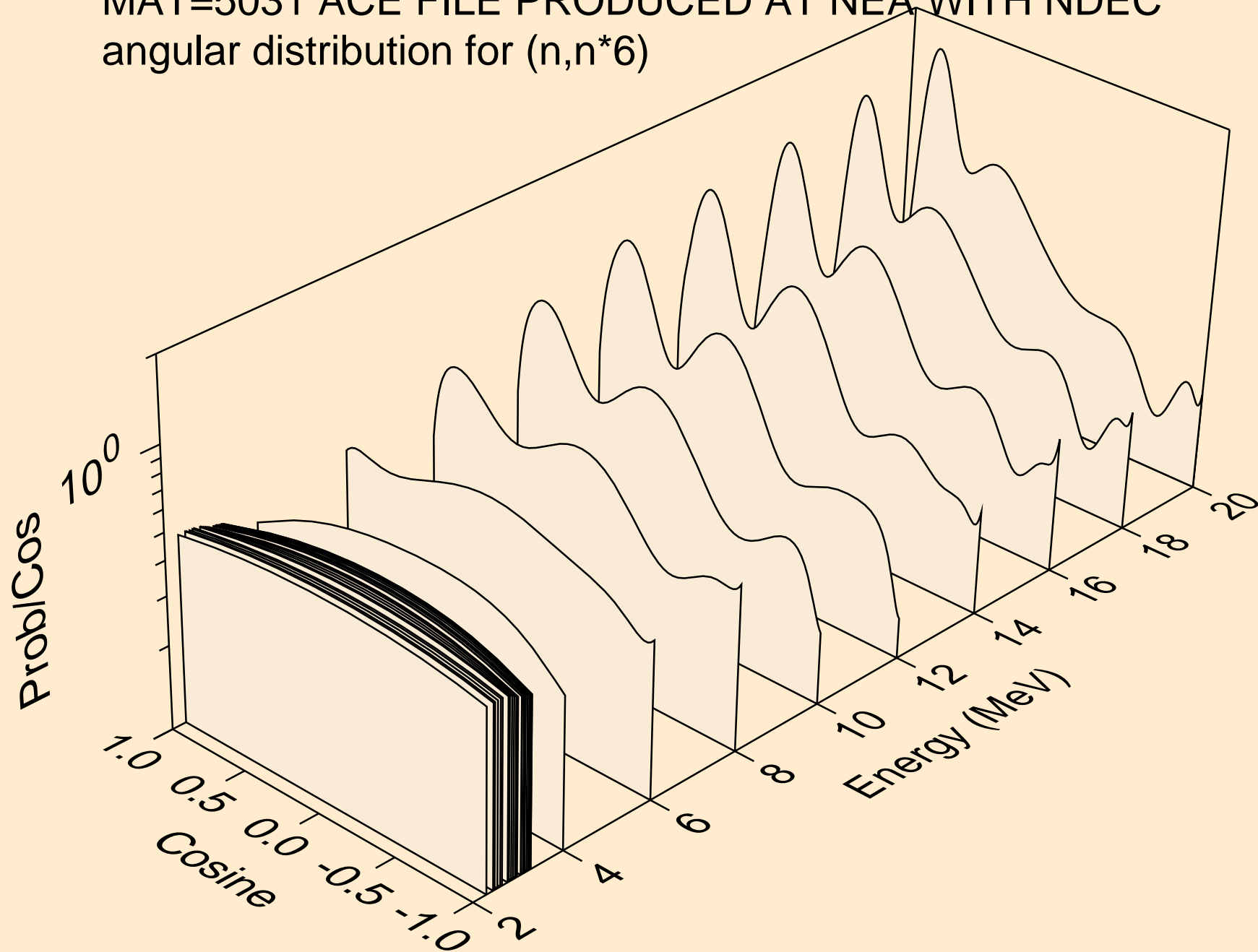
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angular distribution for (n,n\*4)



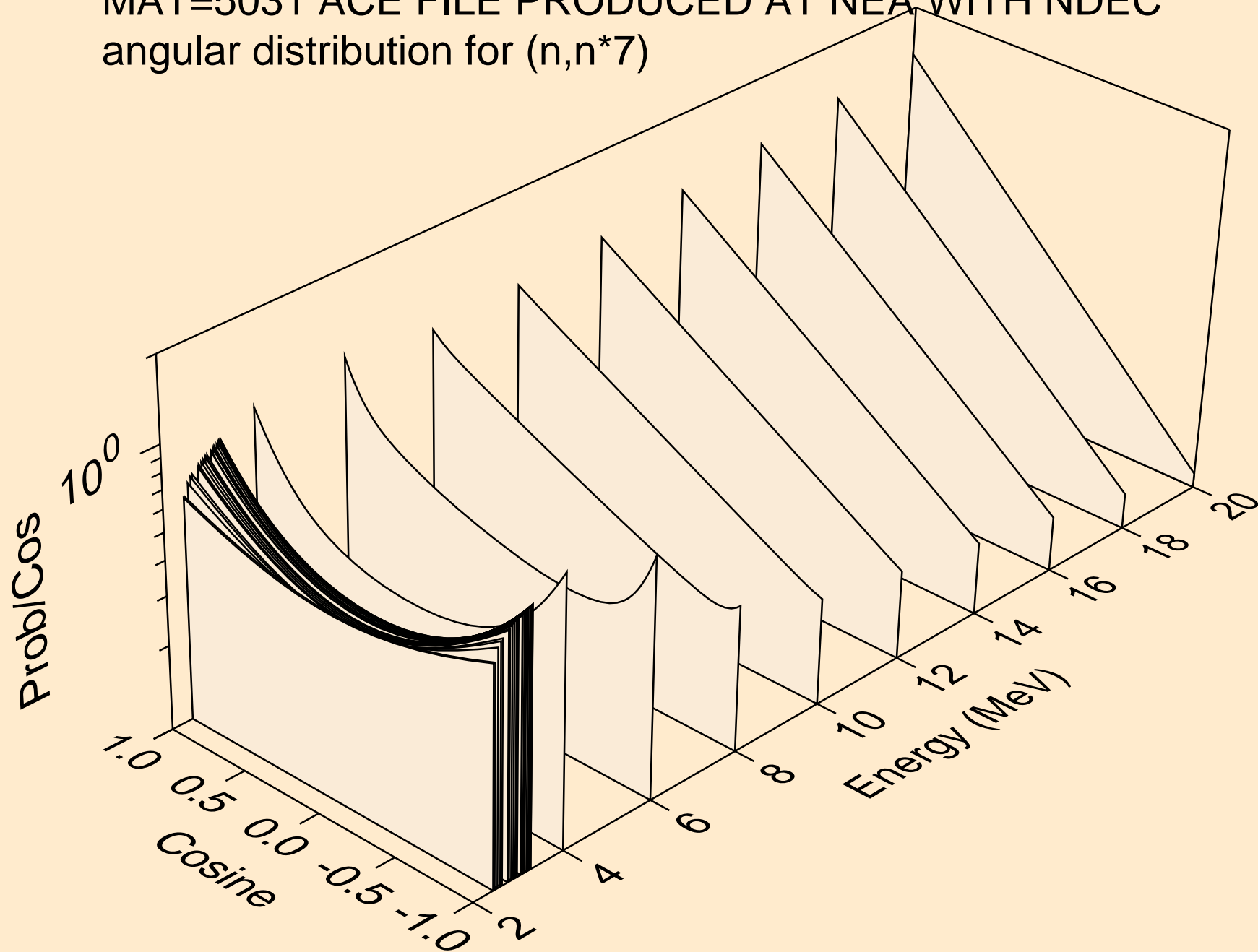
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angular distribution for (n,n\*5)



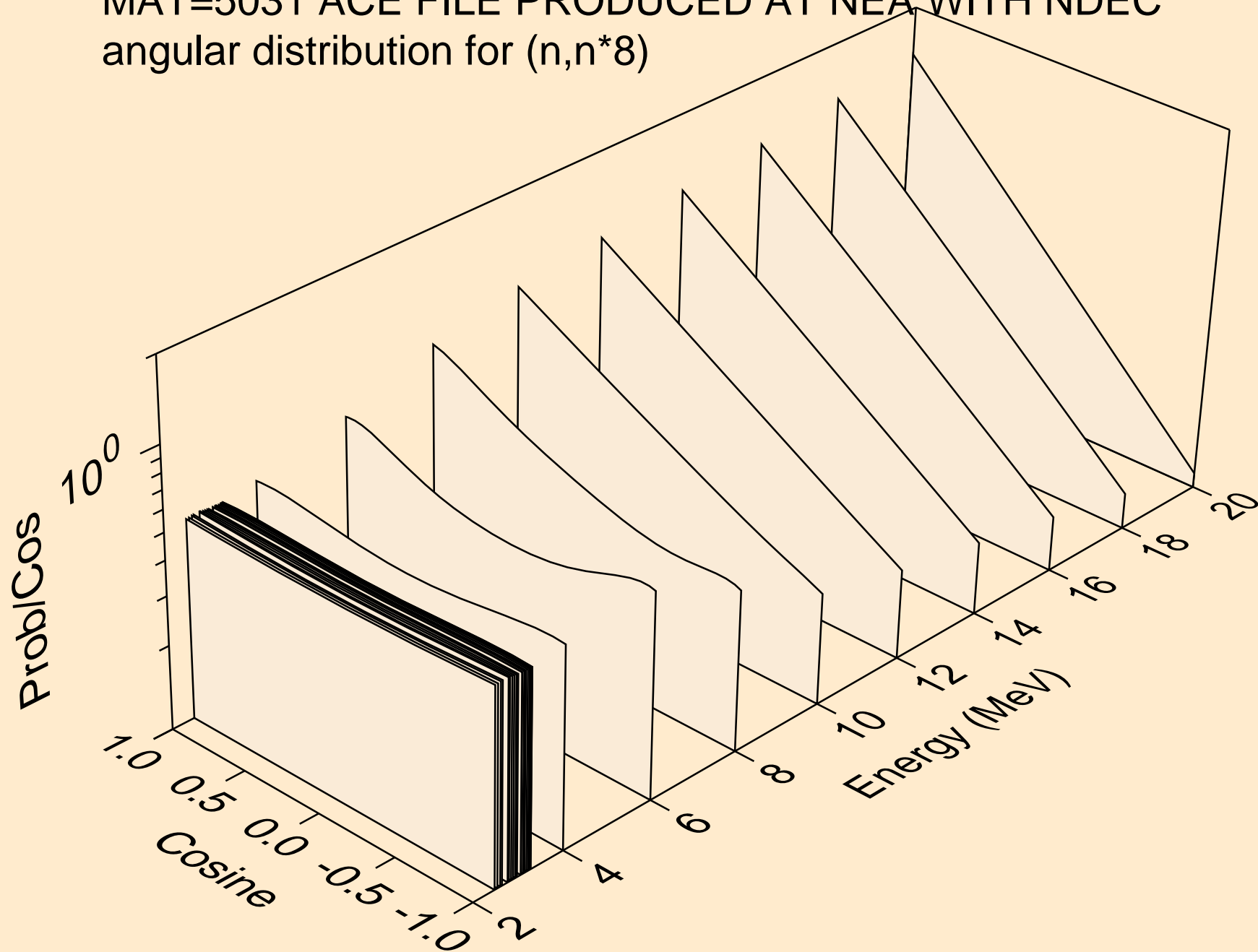
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angular distribution for (n,n\*6)



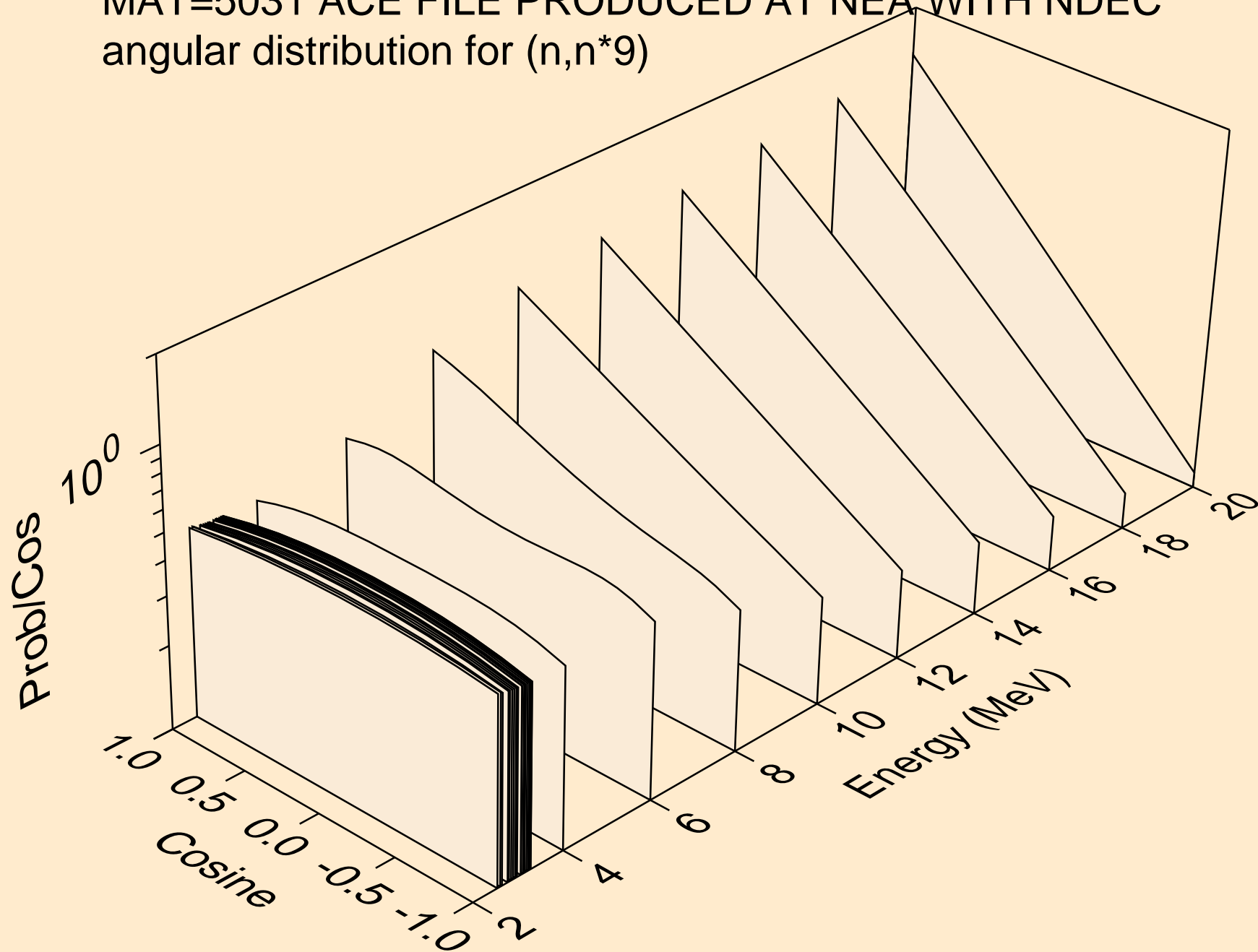
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angular distribution for (n,n\*7)



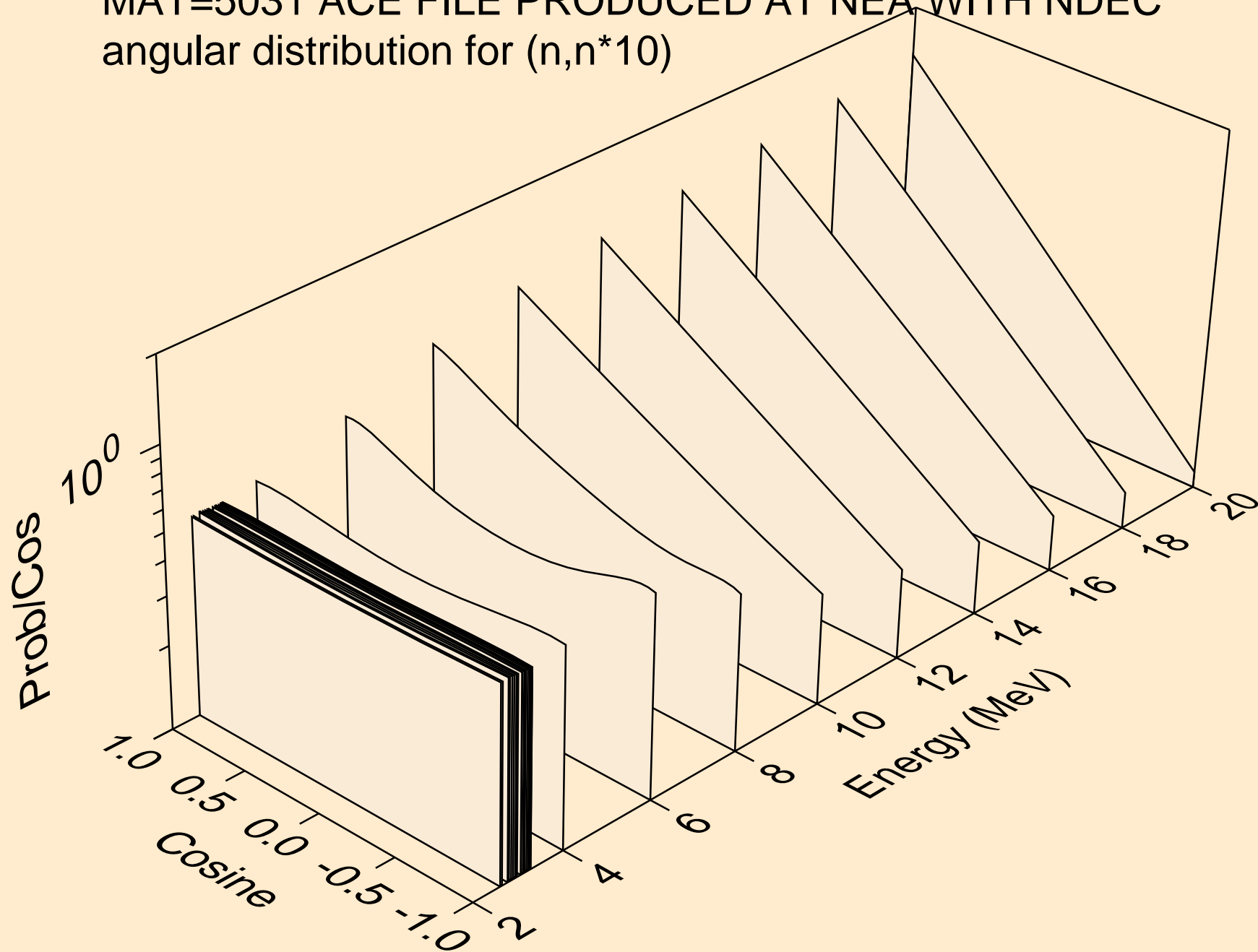
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*8)



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*9)

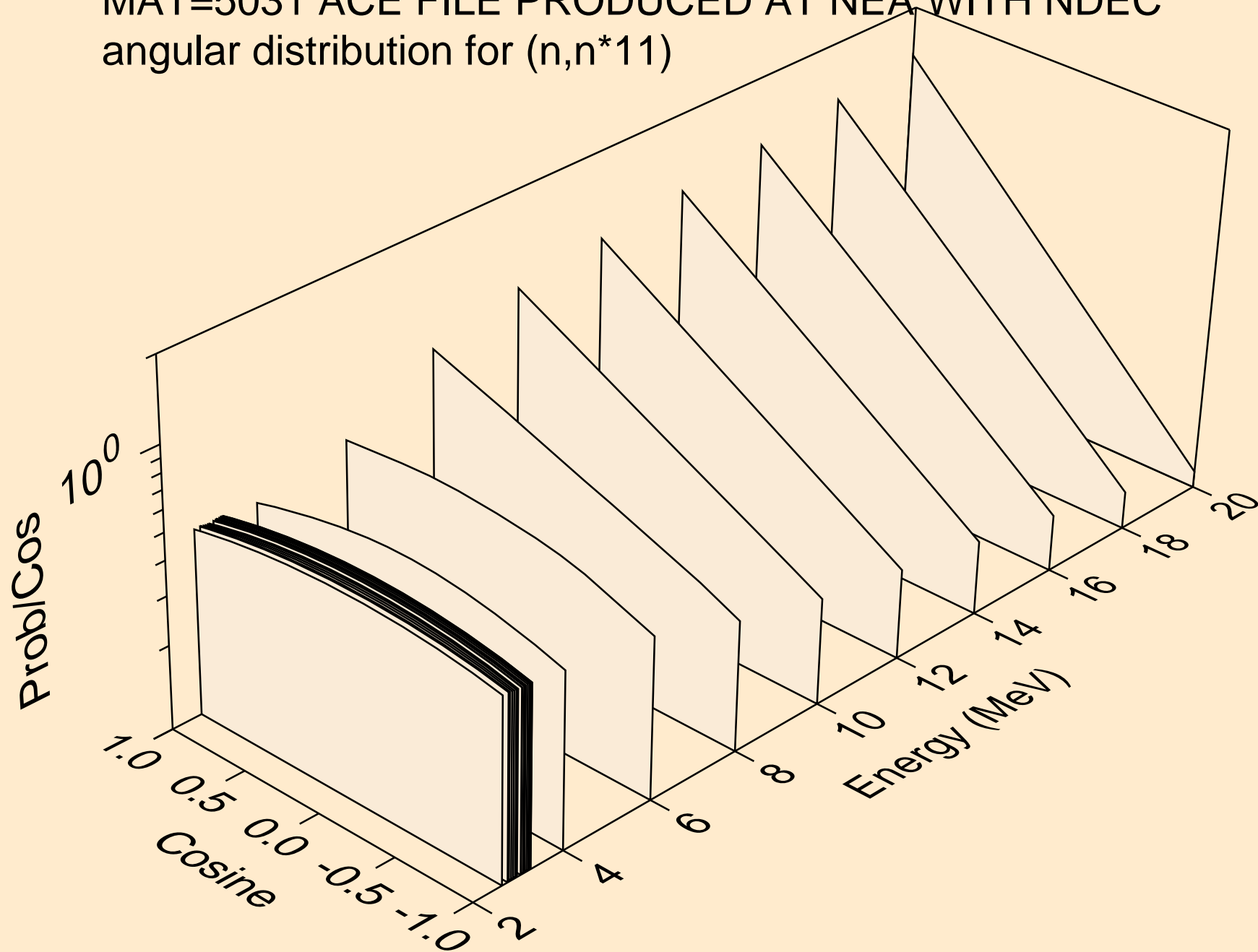


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*10)

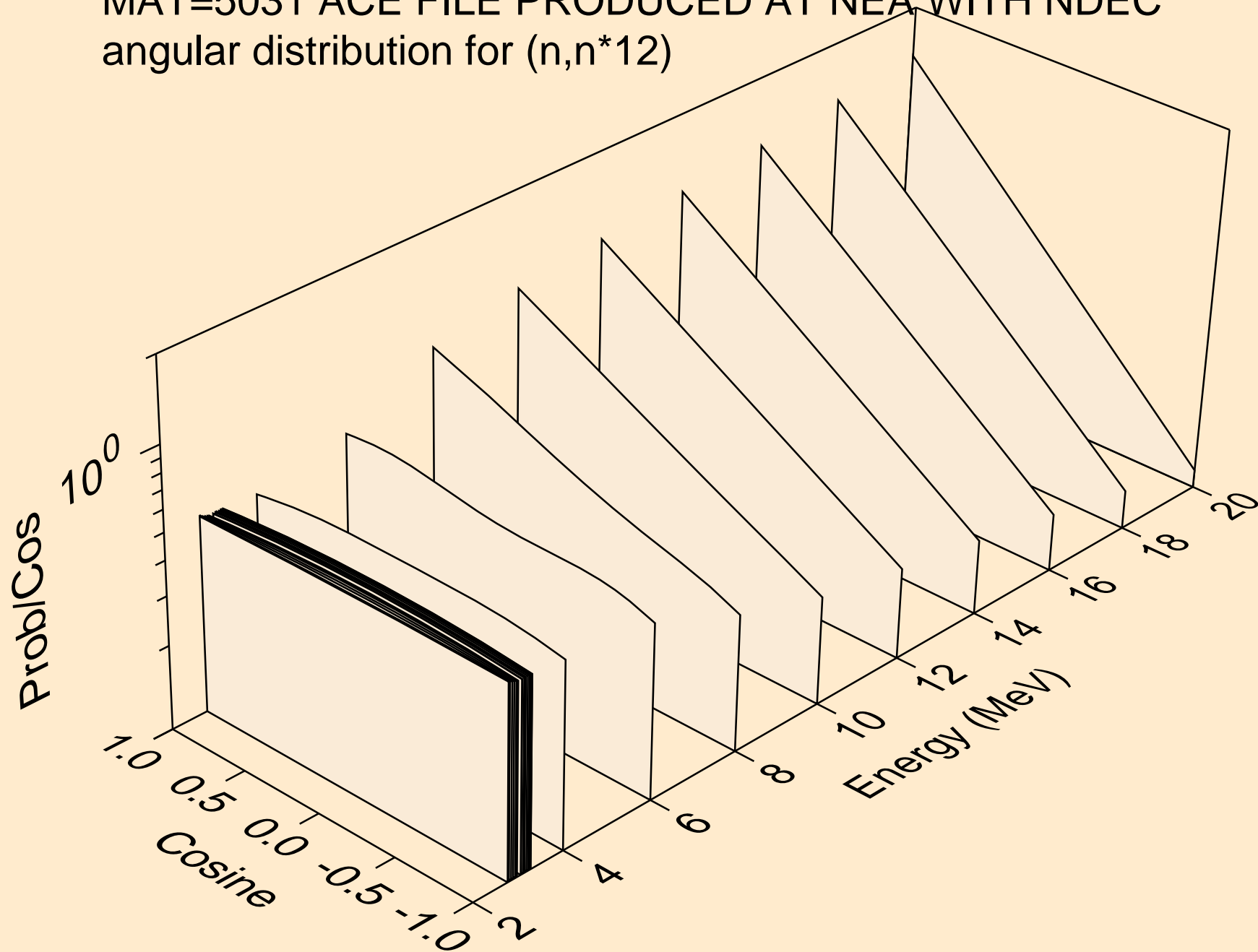




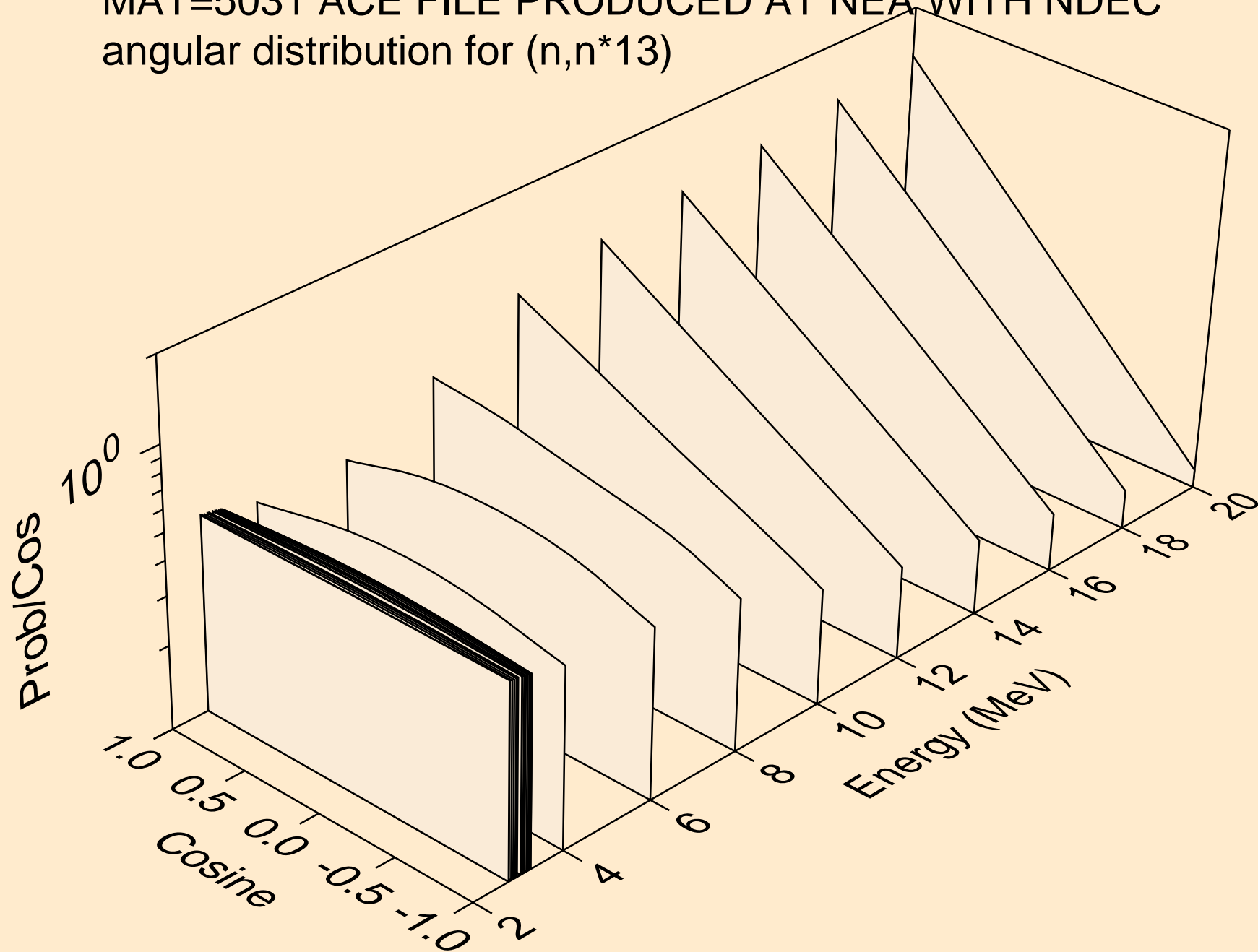
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angular distribution for (n,n\*11)



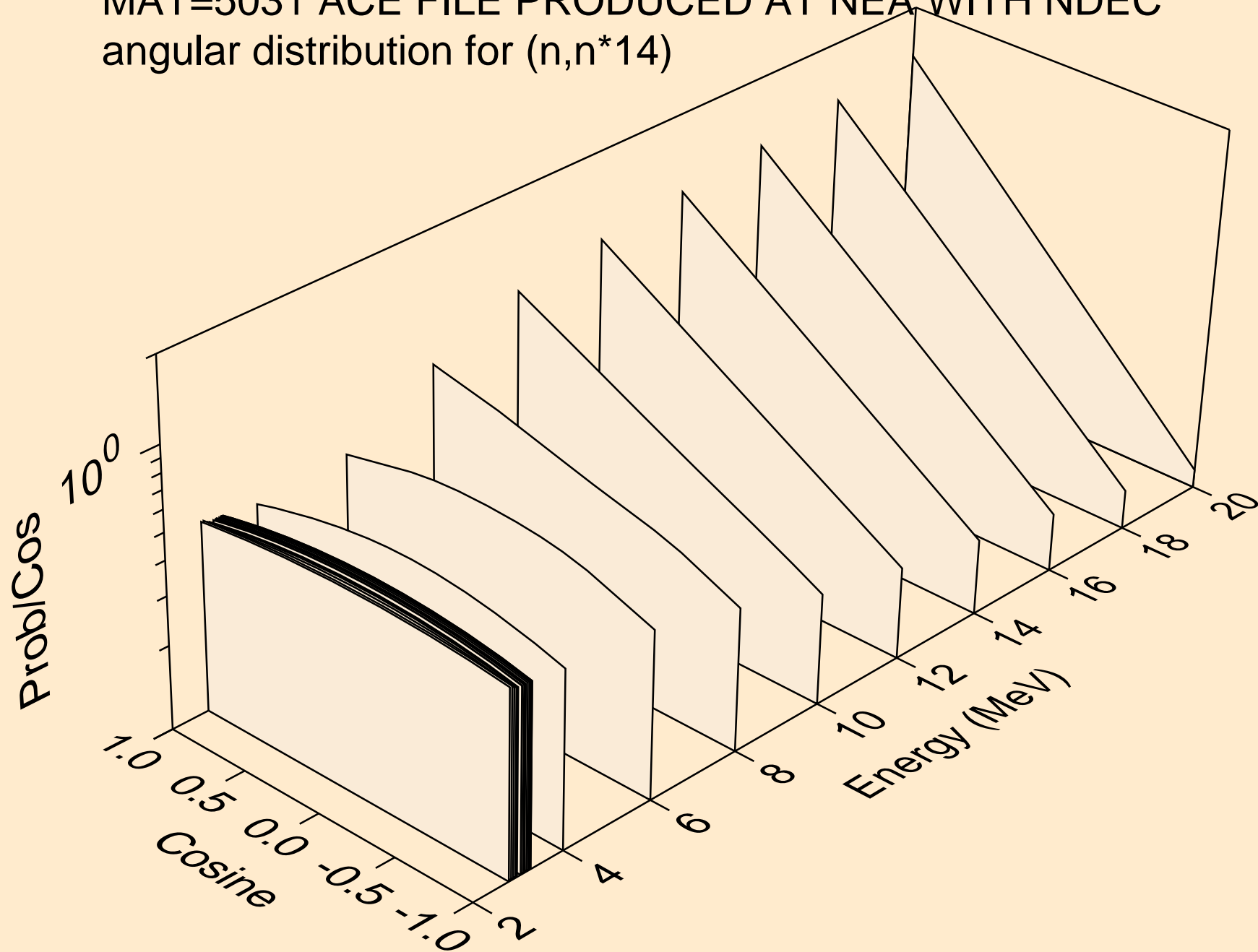
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angular distribution for (n,n\*12)



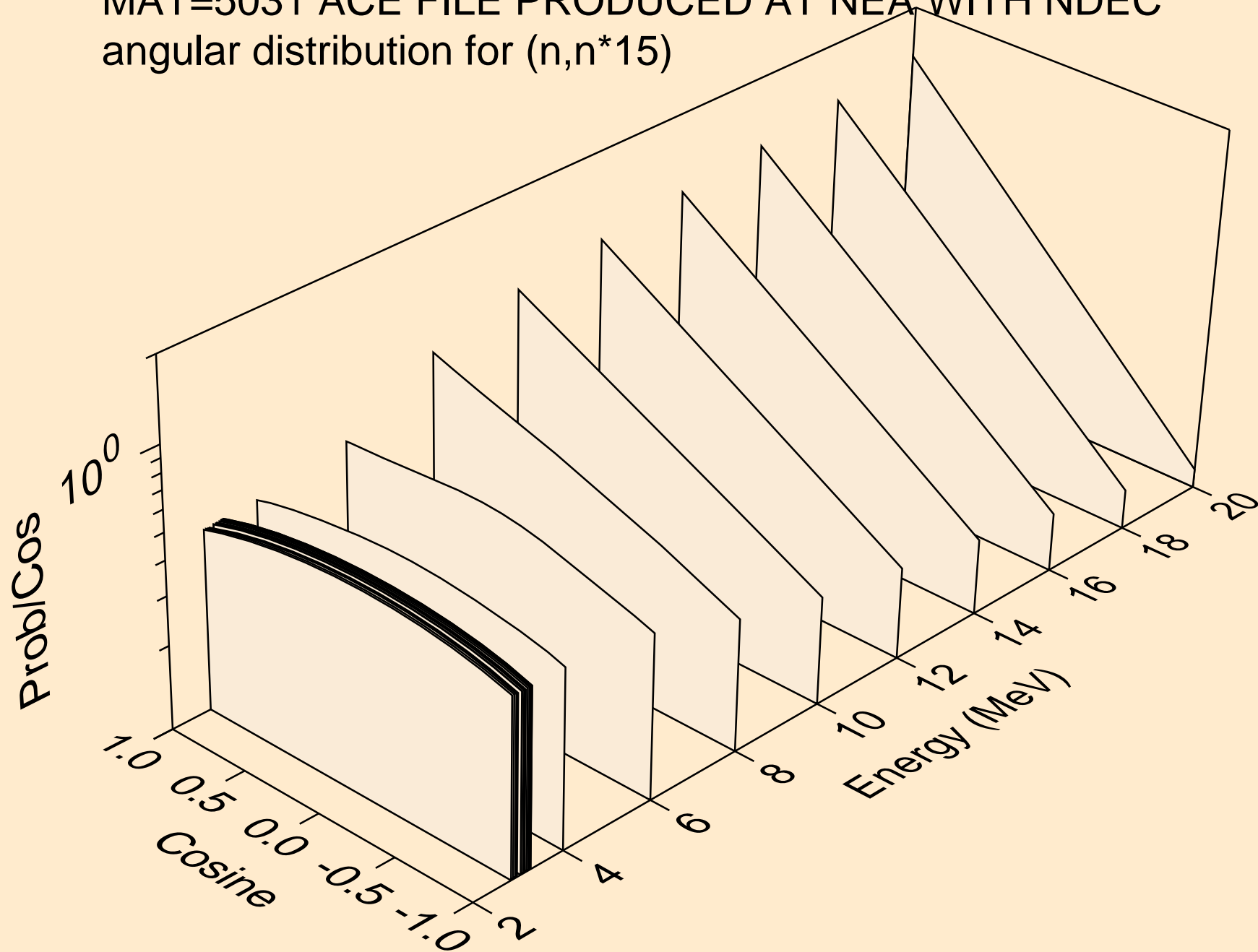
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angular distribution for (n,n\*13)



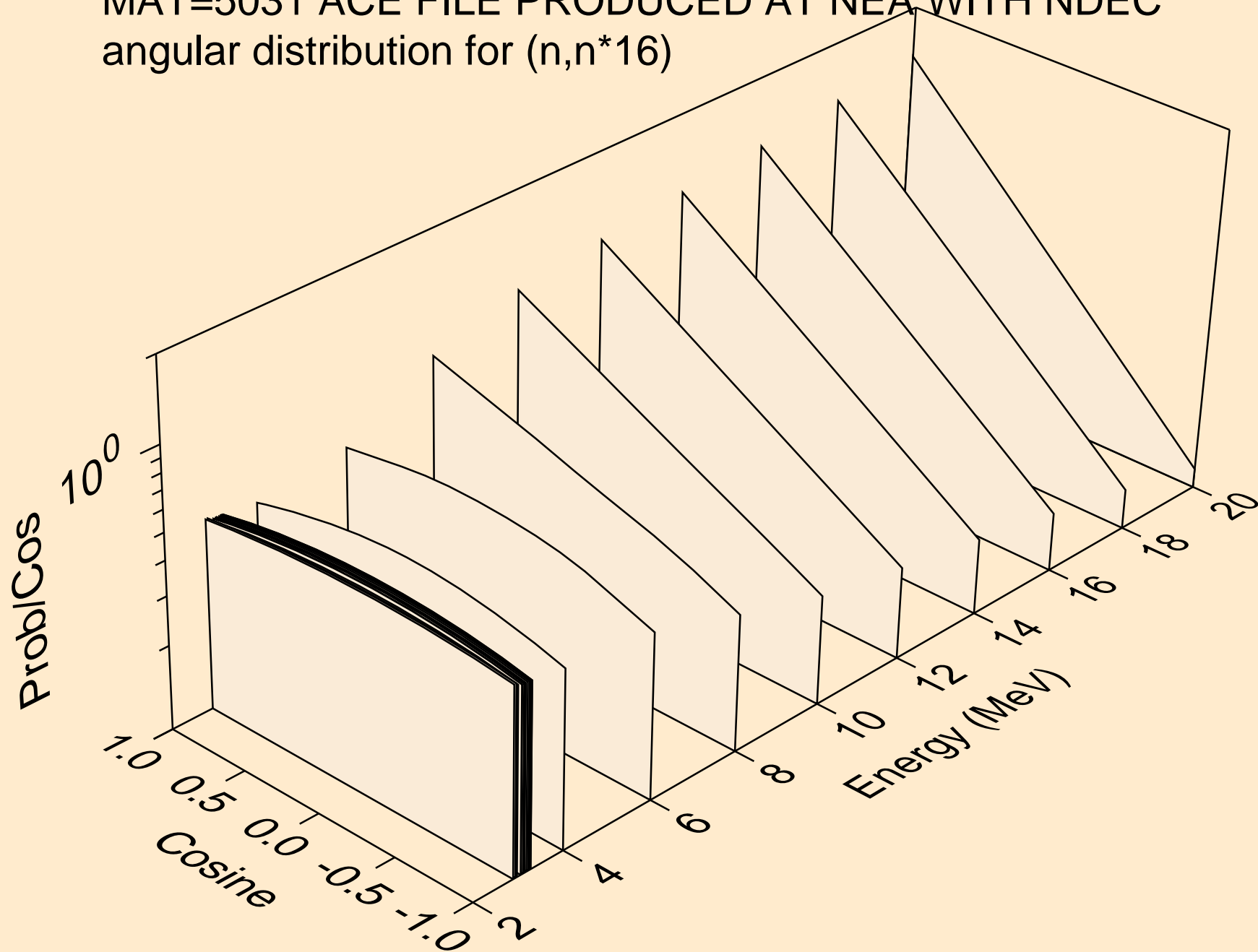
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angular distribution for (n,n\*14)



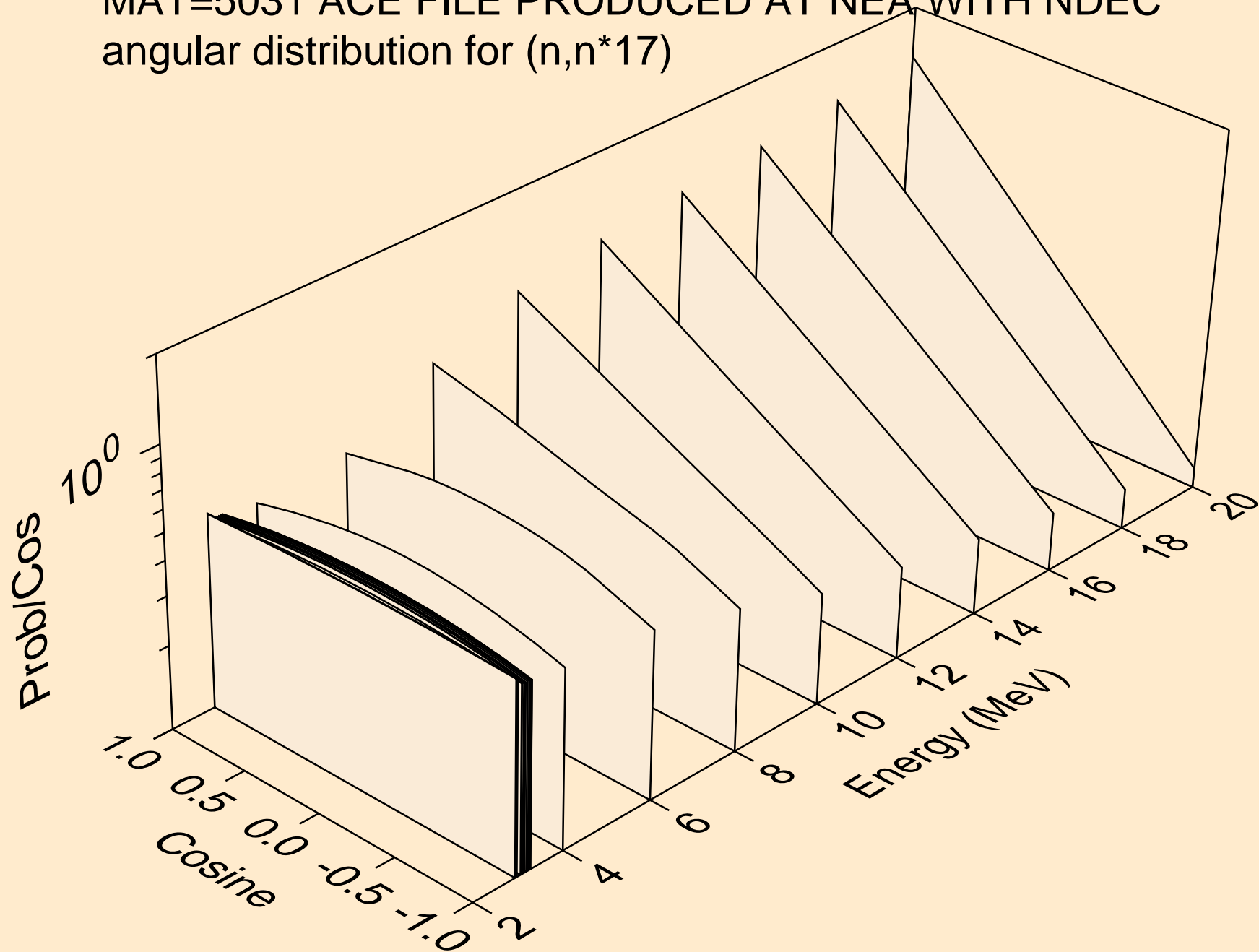
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angular distribution for (n,n\*15)



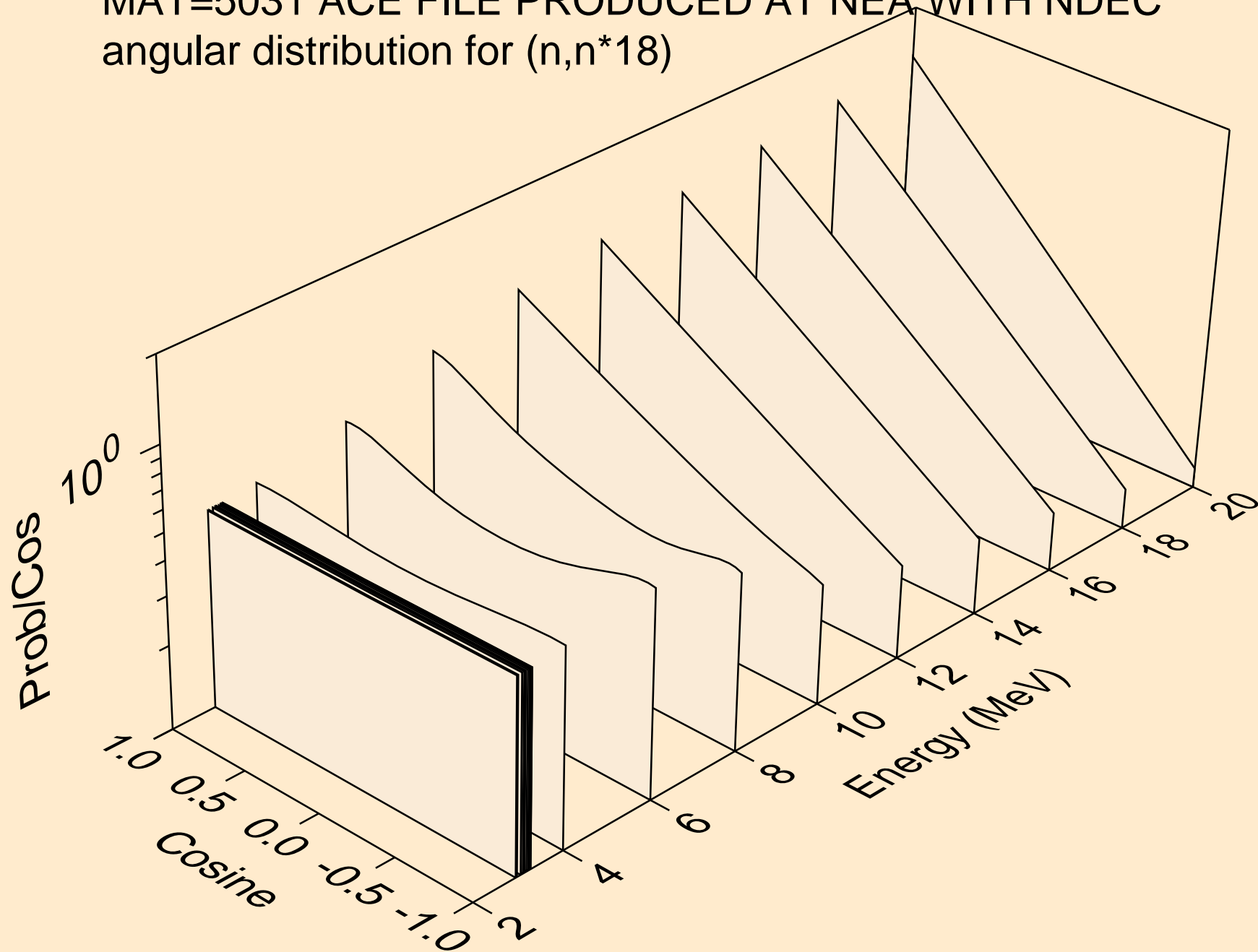
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angular distribution for (n,n\*16)



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*17)

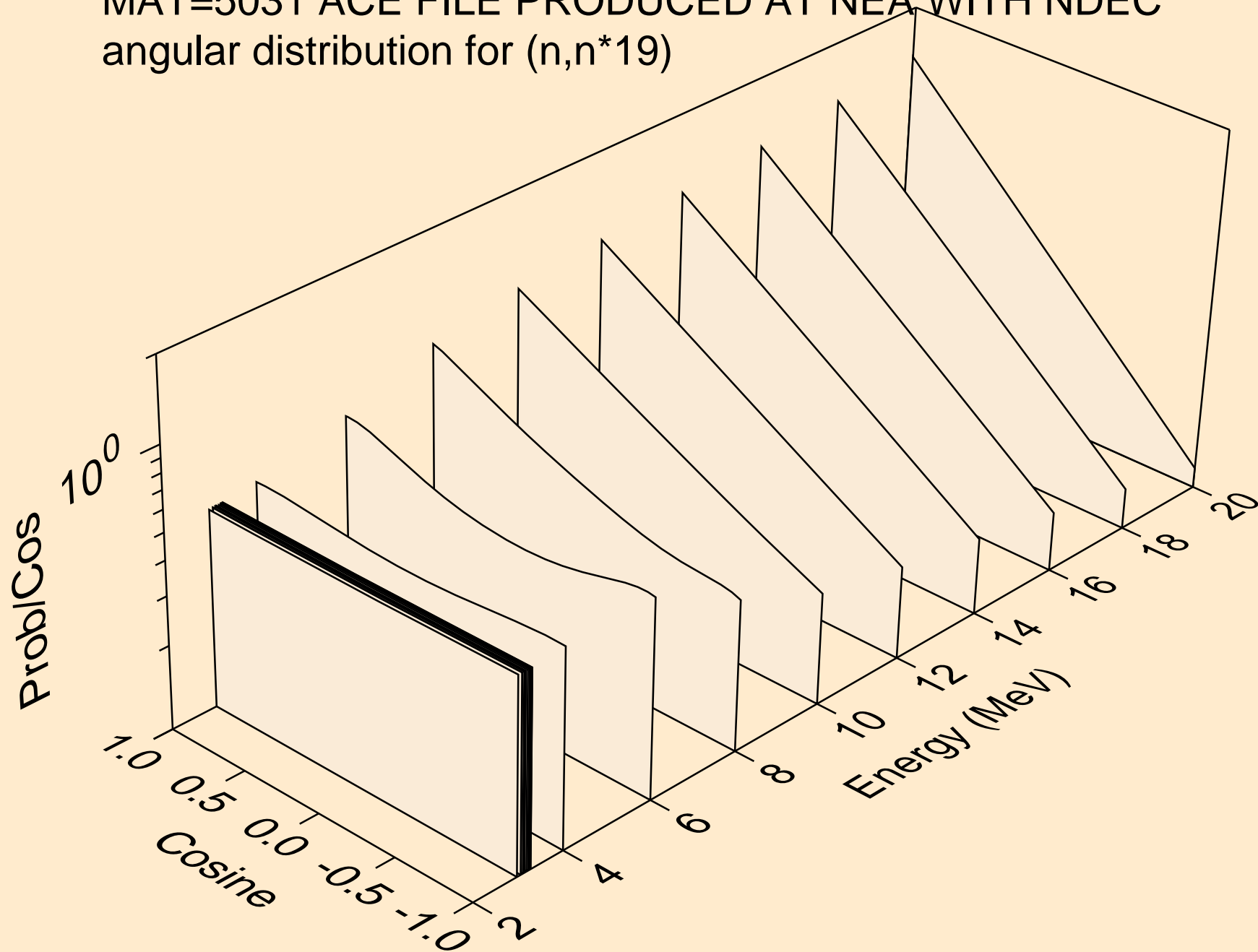


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*18)

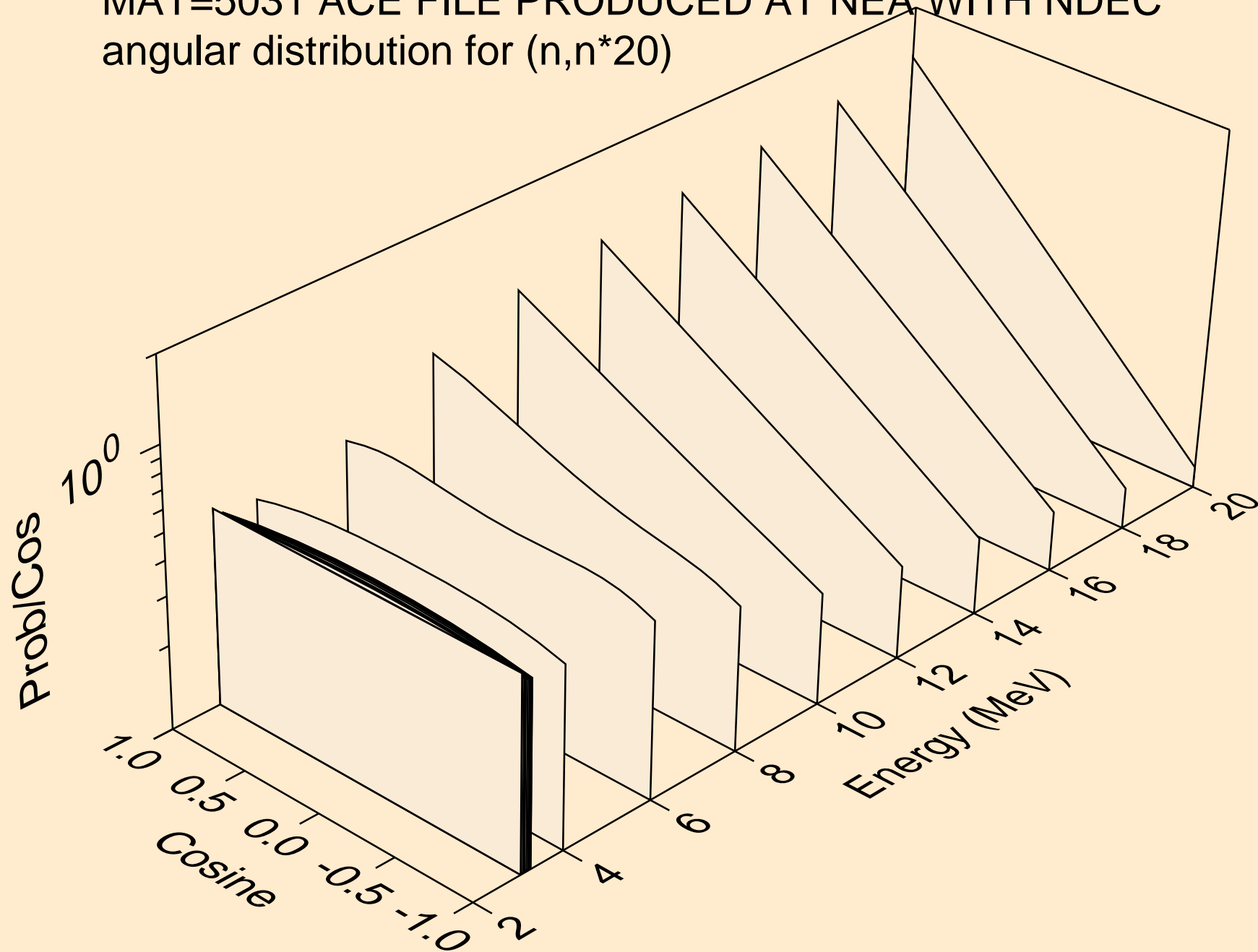




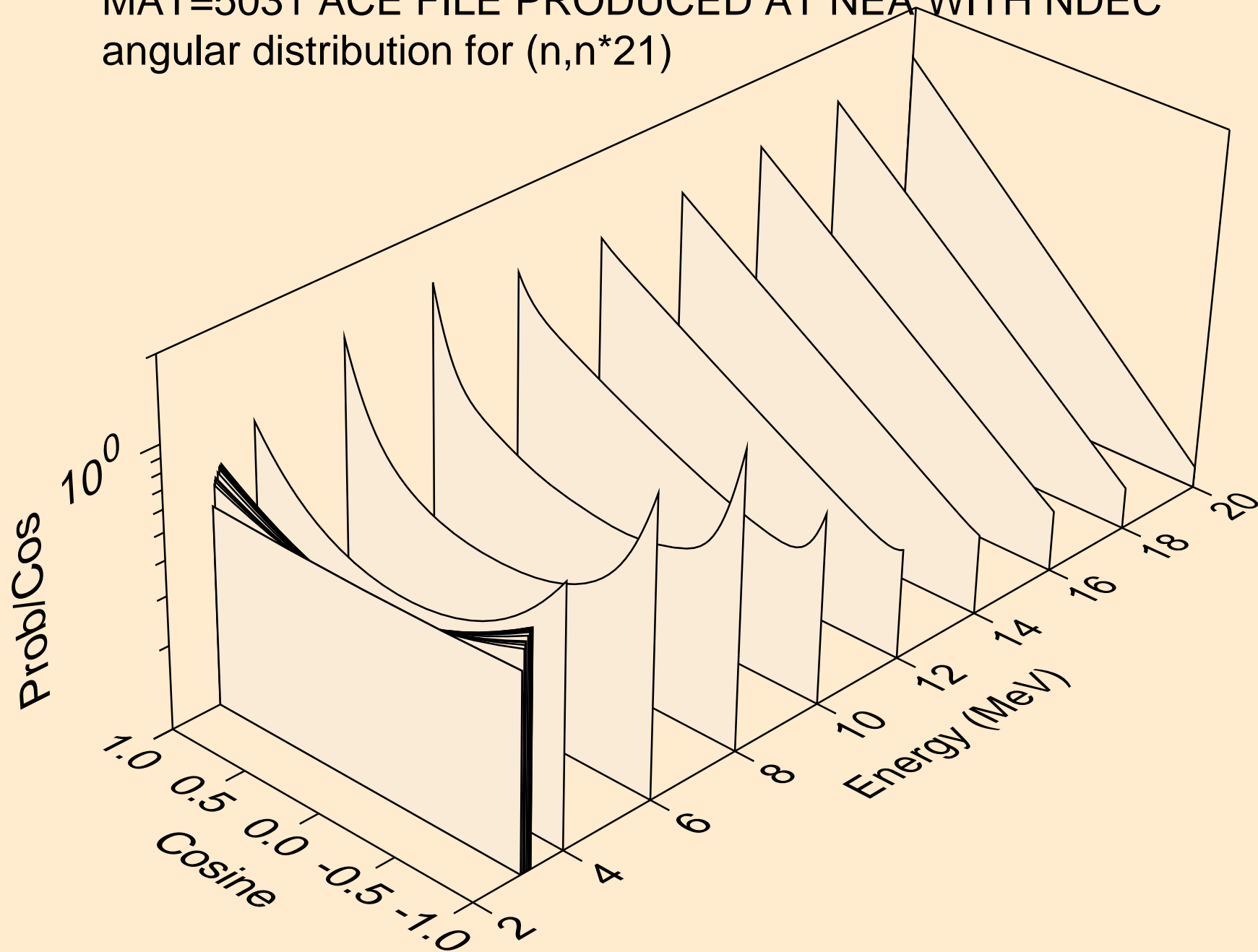
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angular distribution for (n,n\*19)



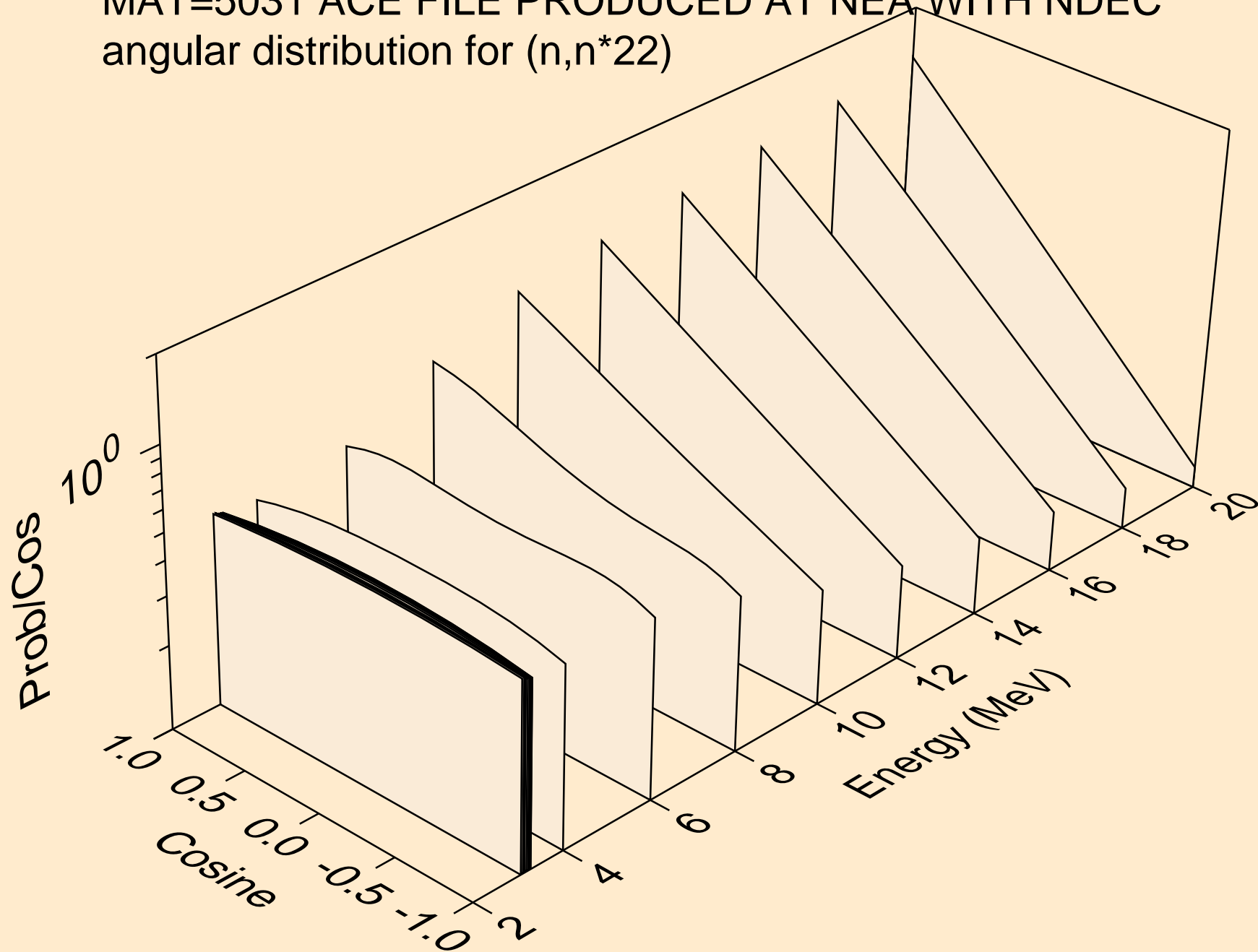
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angular distribution for (n,n\*20)



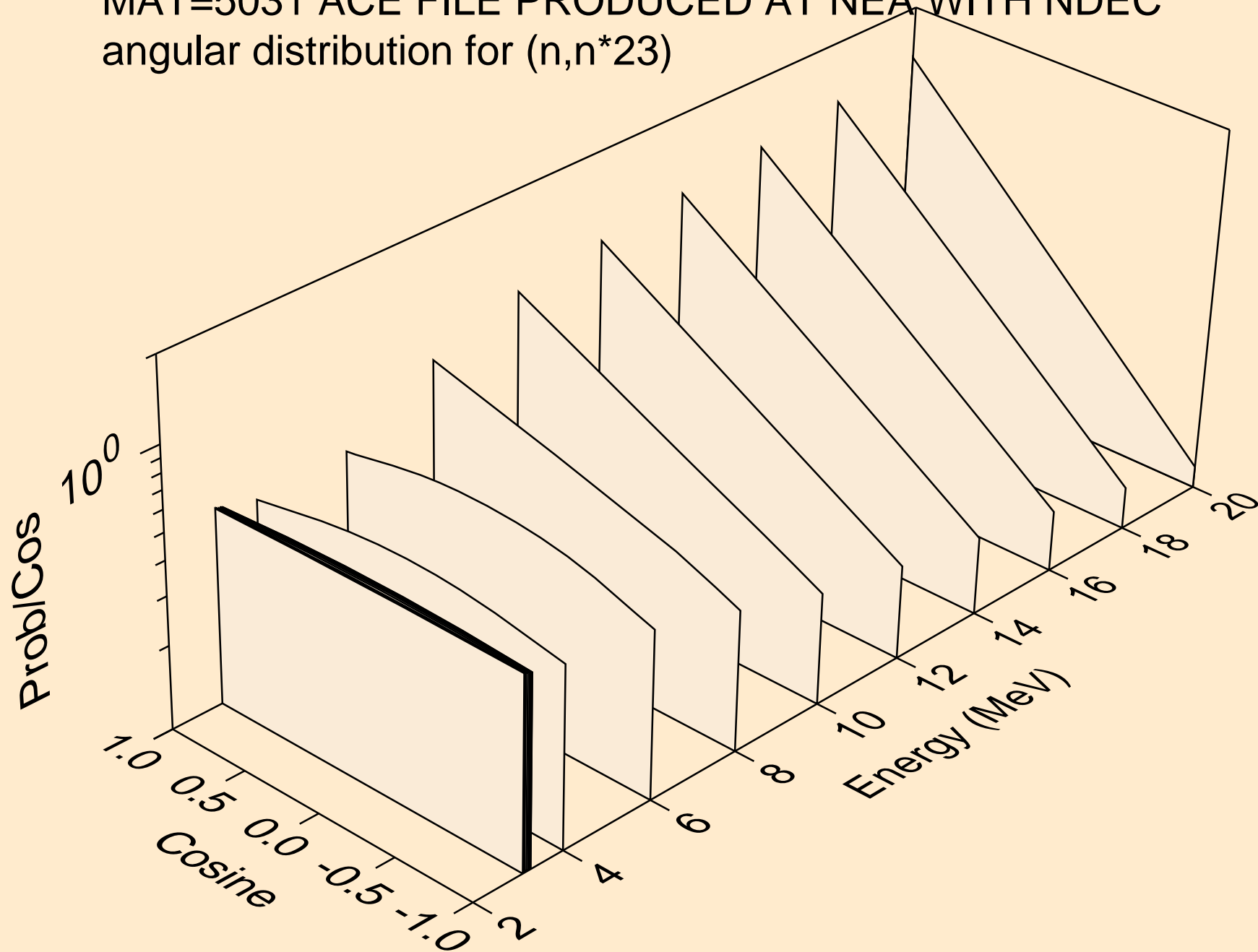
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angular distribution for (n,n\*21)



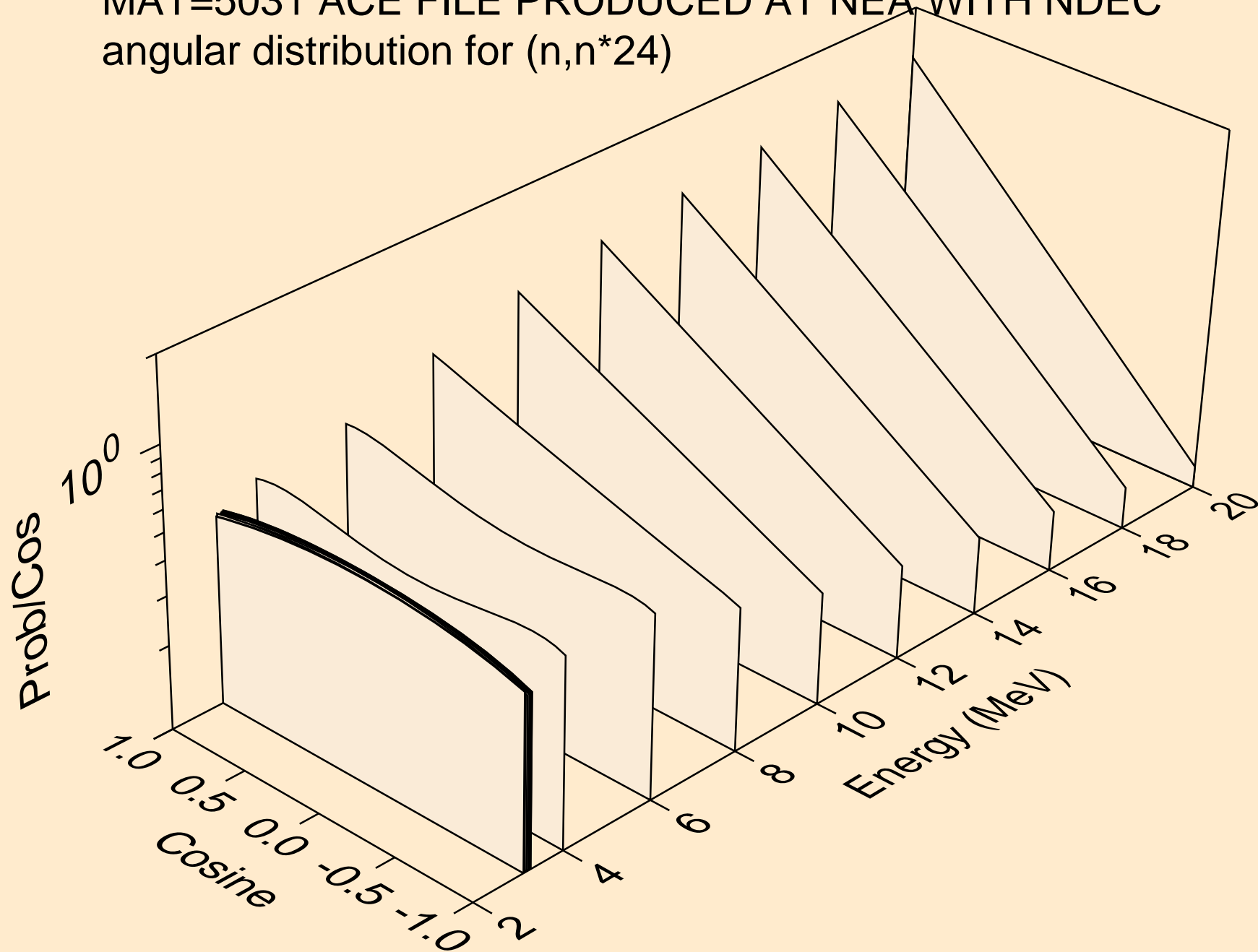
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angular distribution for (n,n\*22)



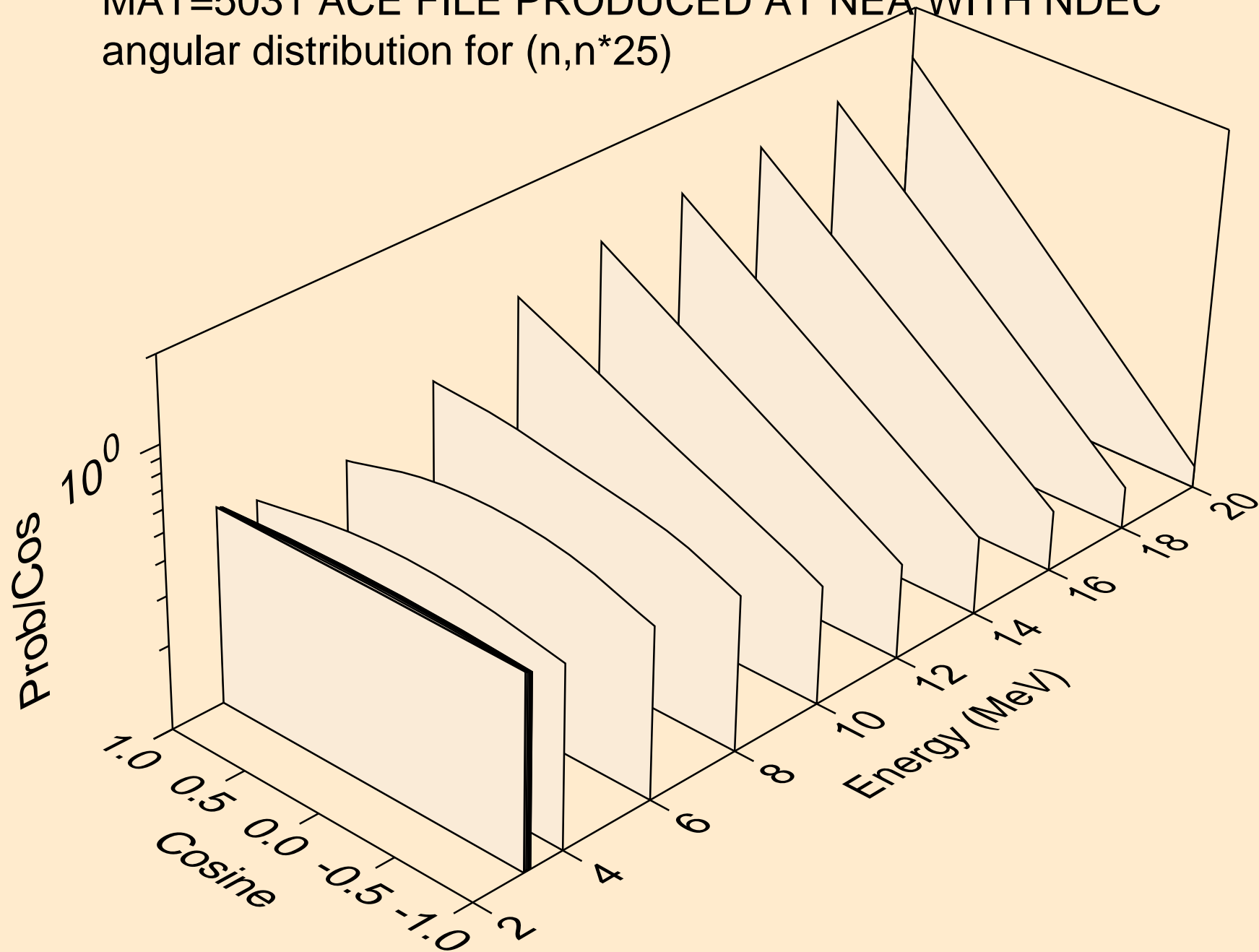
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angular distribution for (n,n\*23)



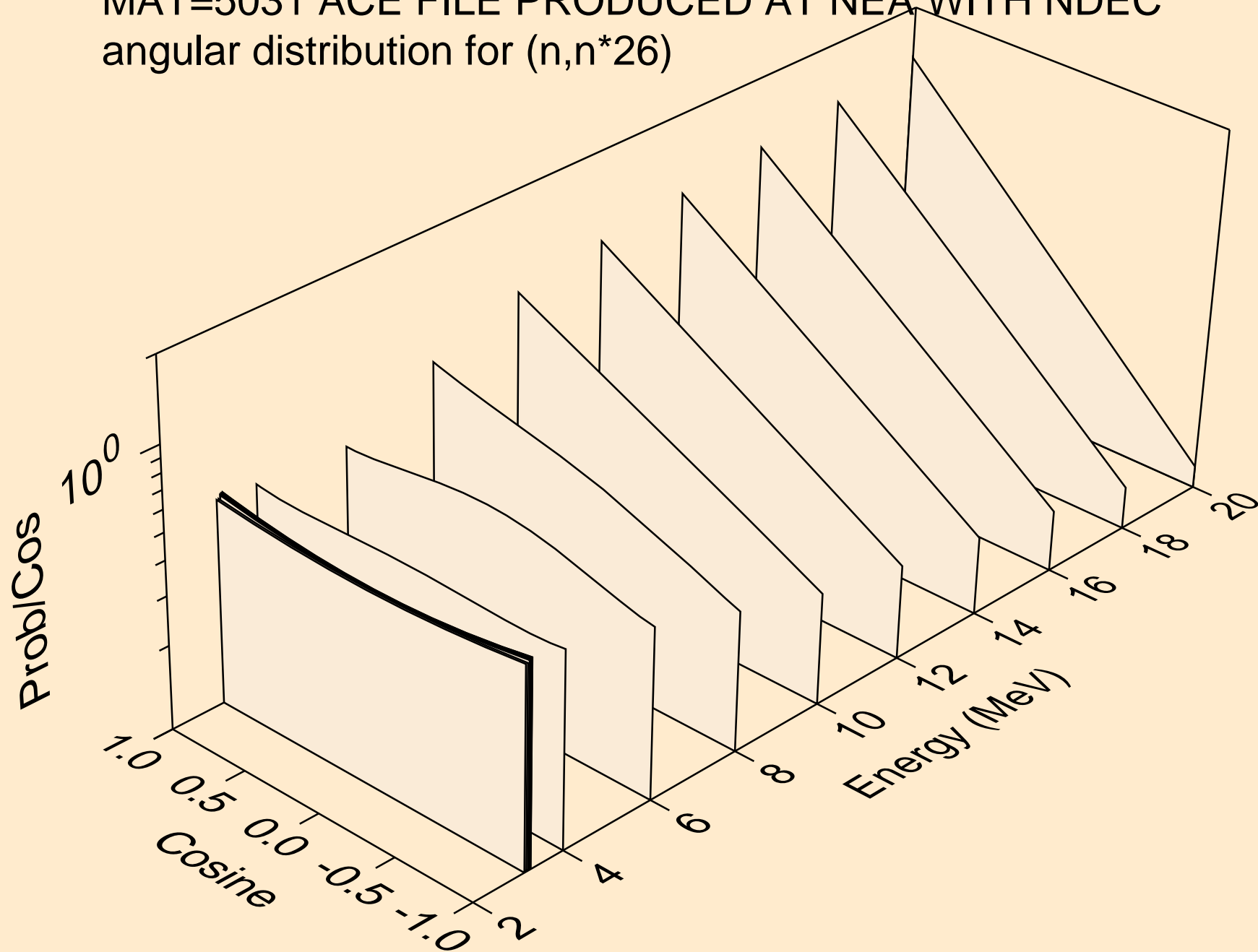
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*24)



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*25)

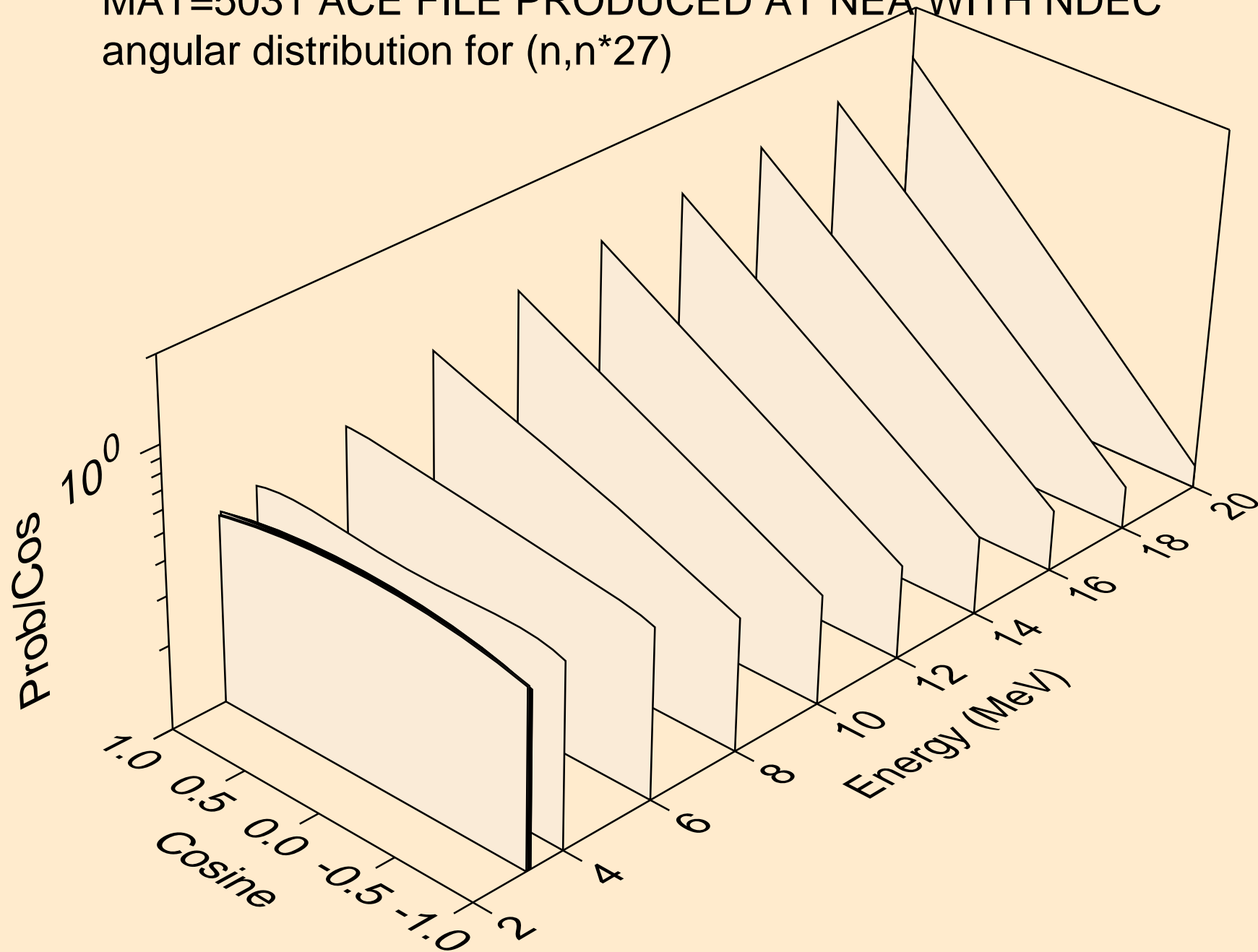


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*26)

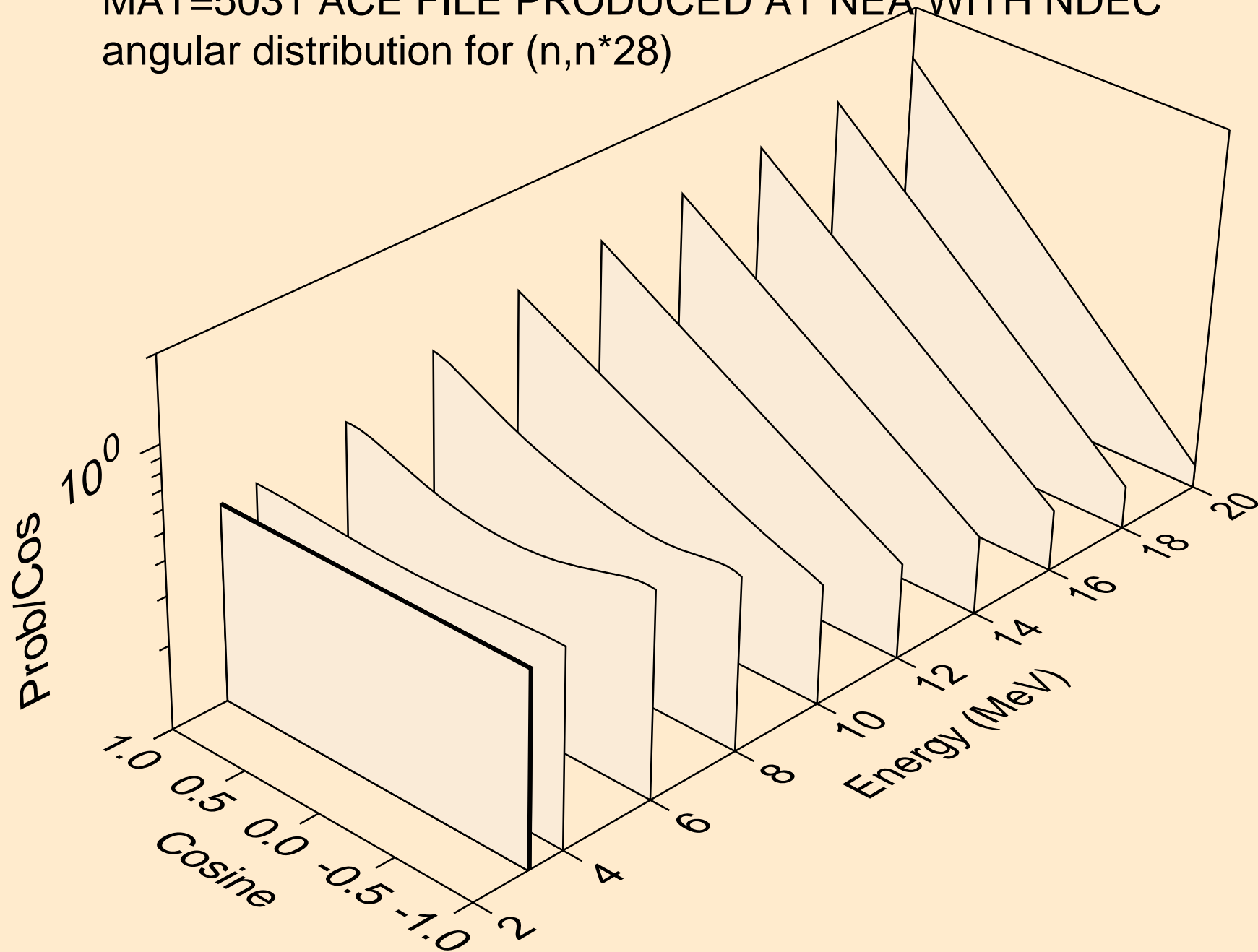




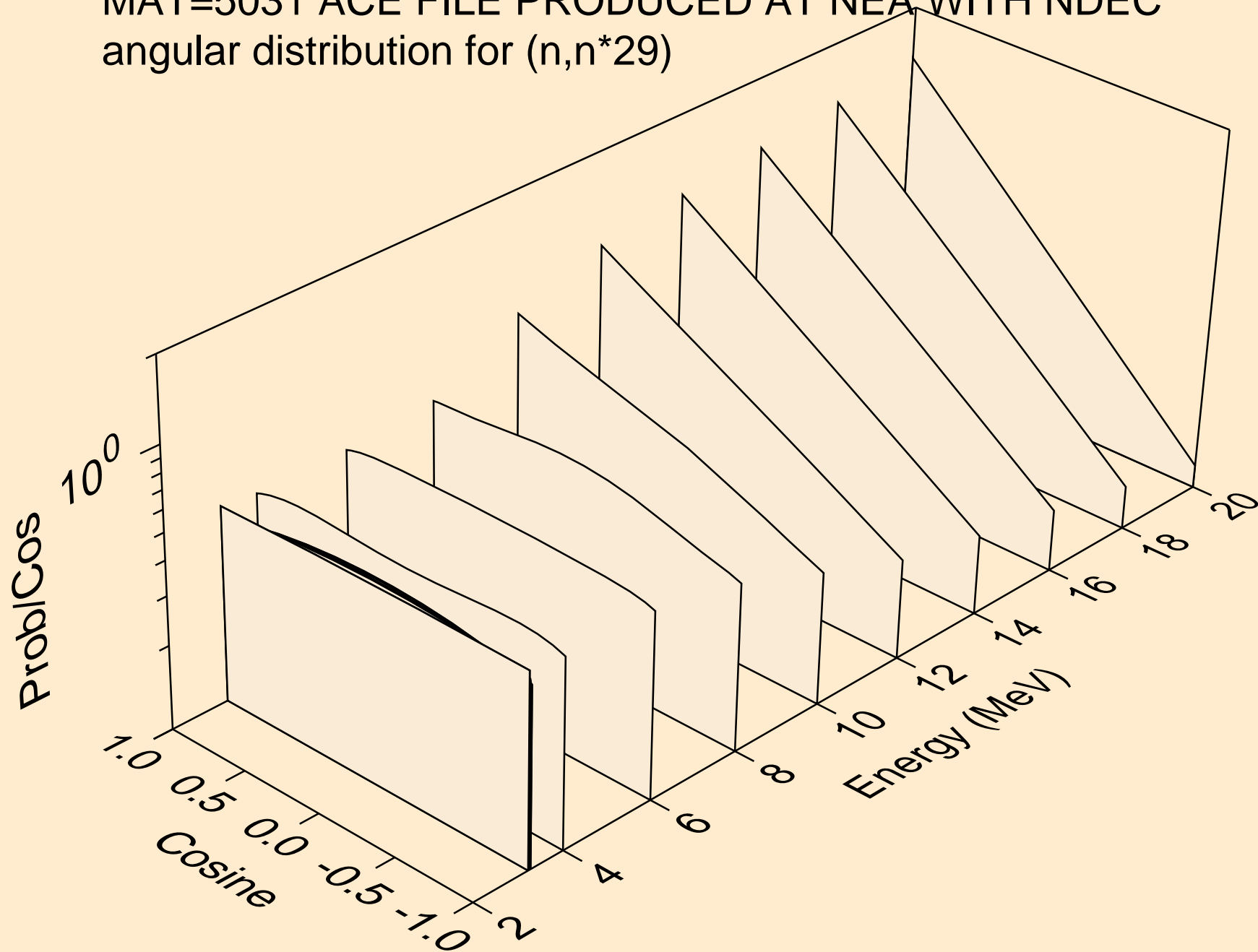
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*27)



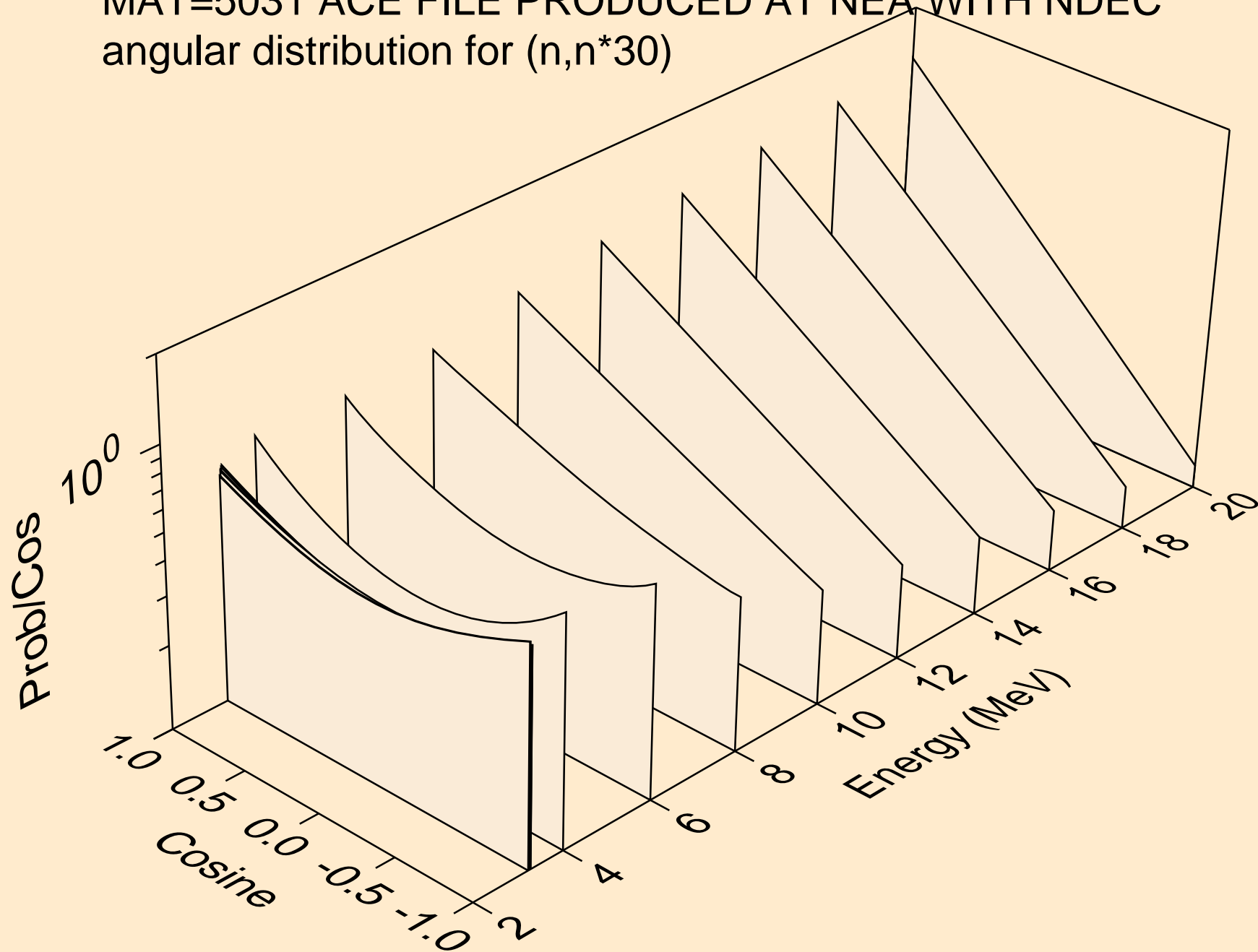
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*28)



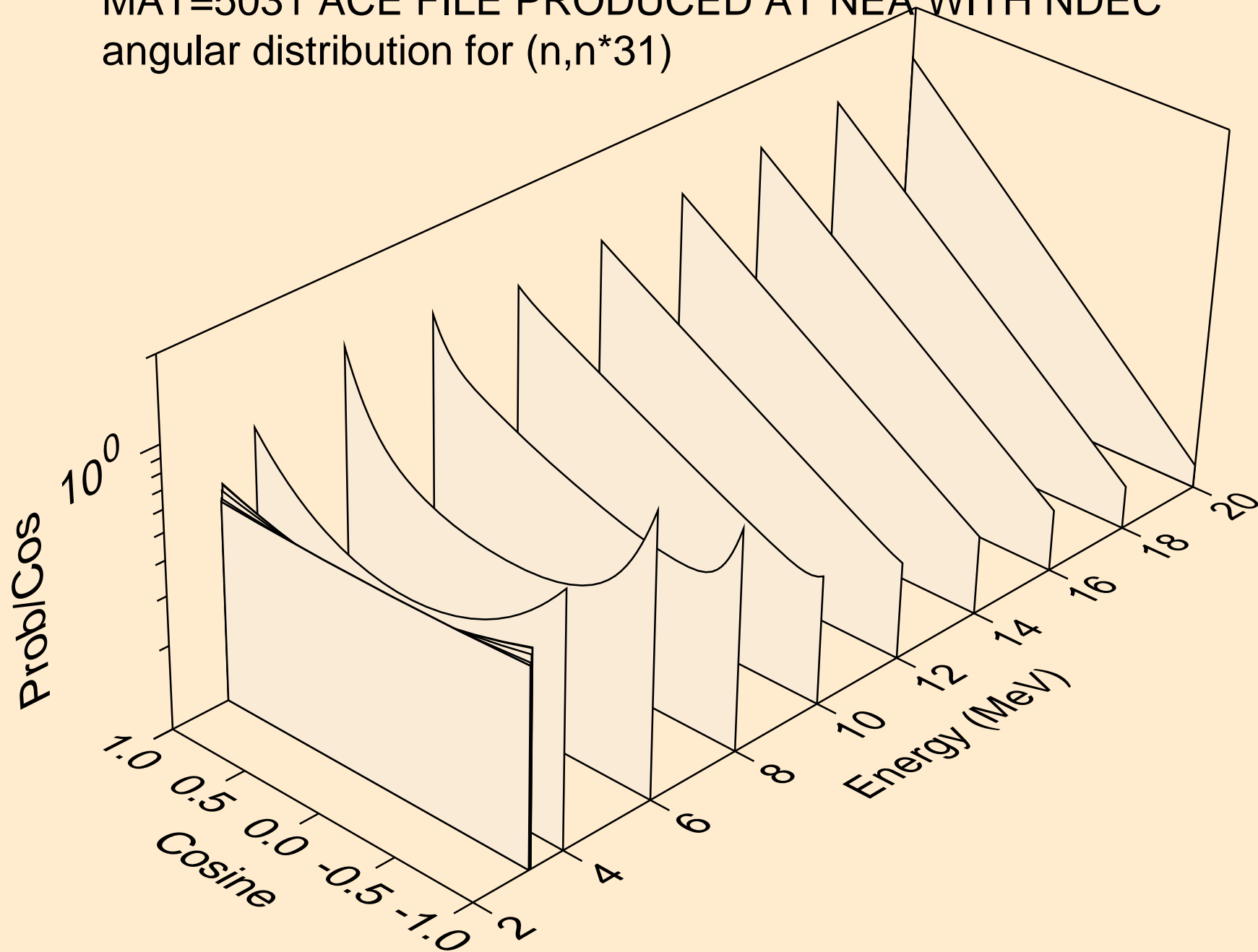
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*29)



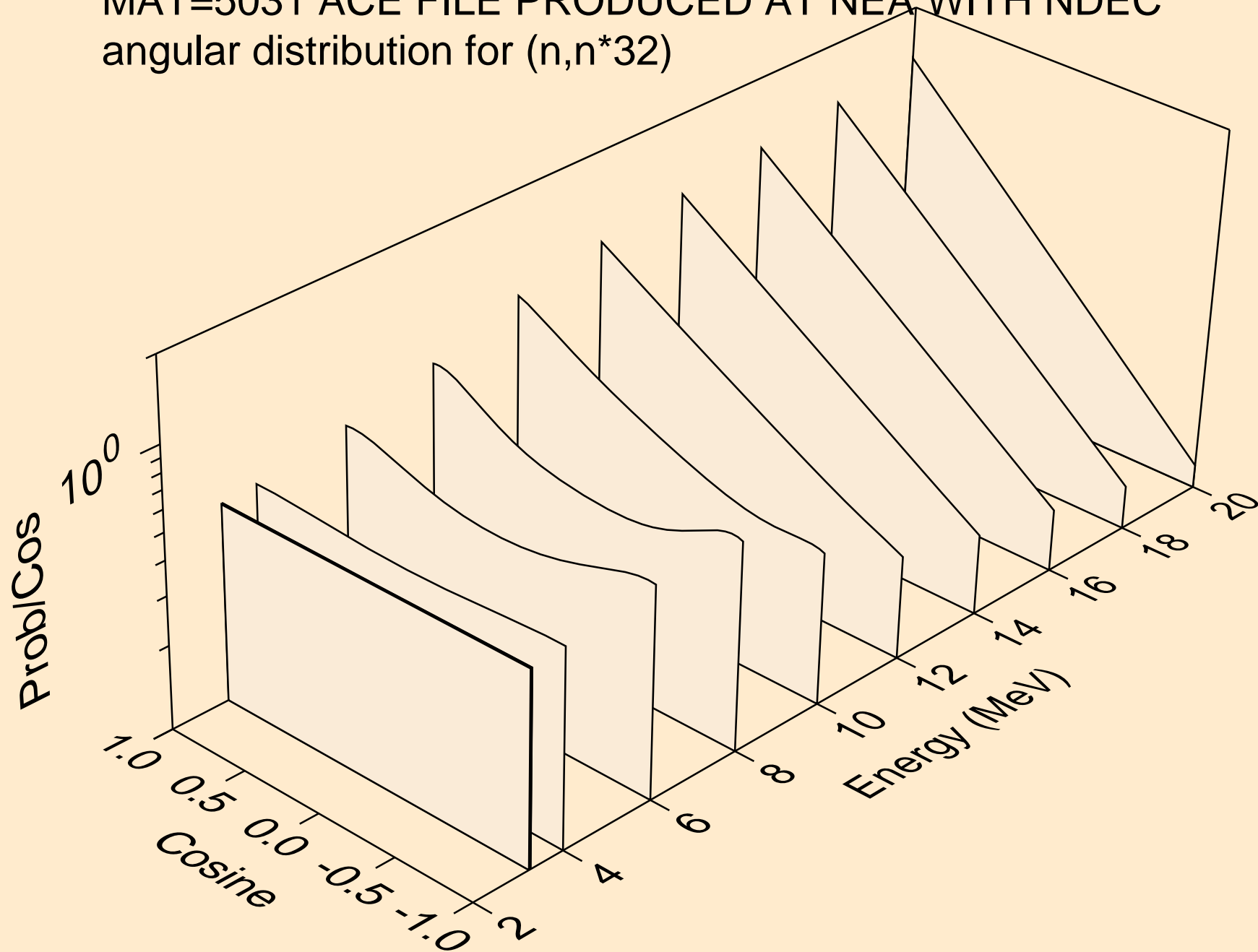
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*30)



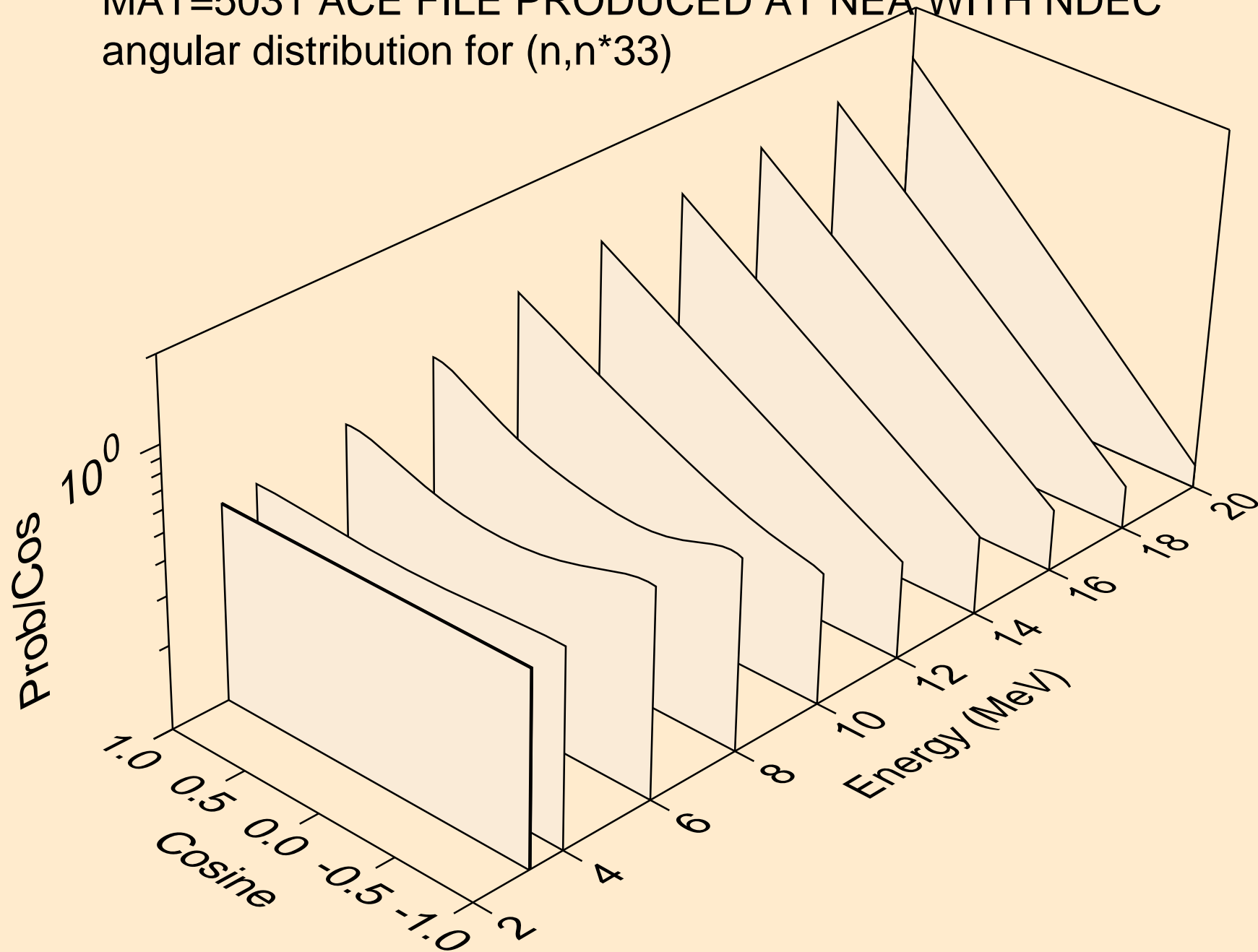
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*31)



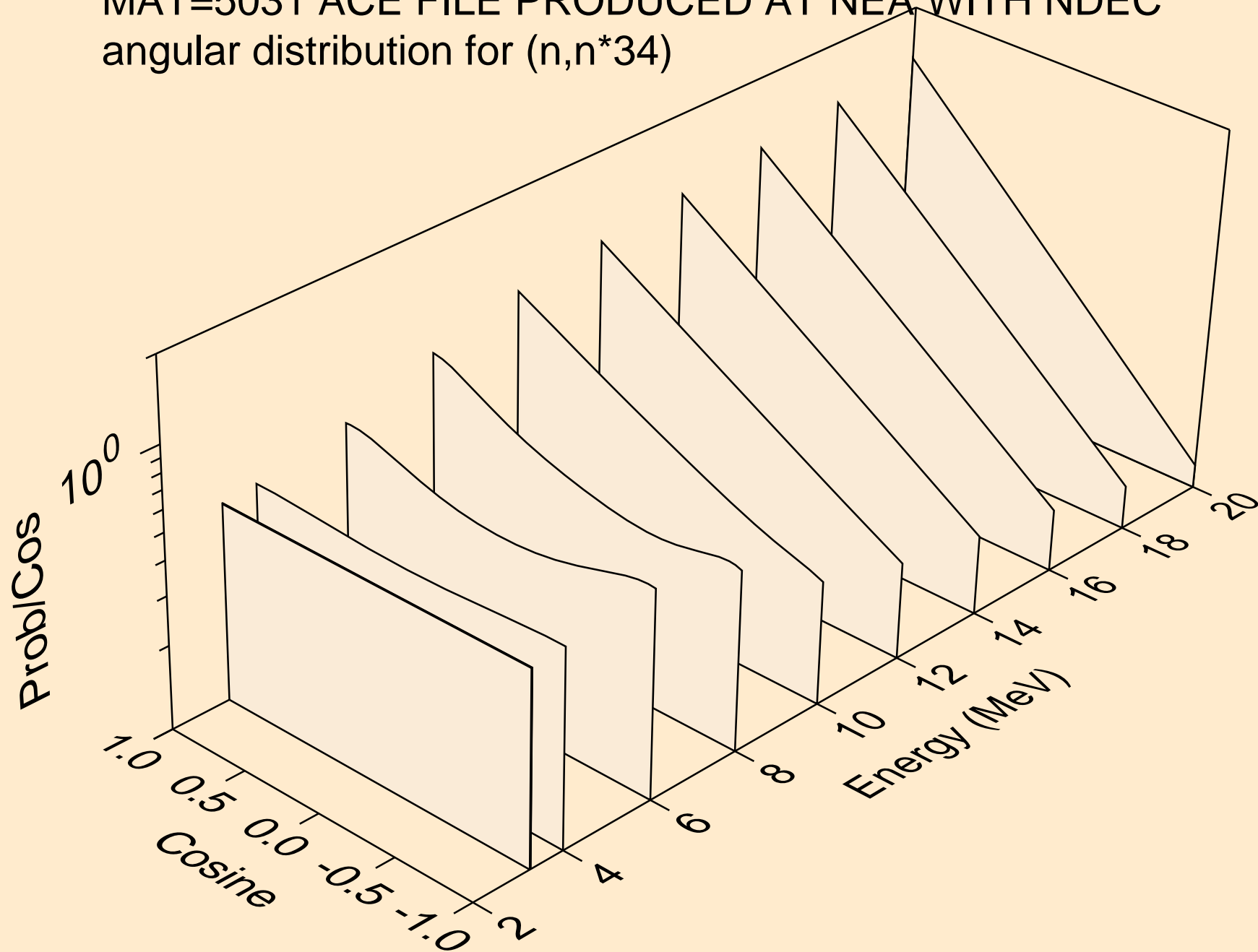
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*32)



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*33)

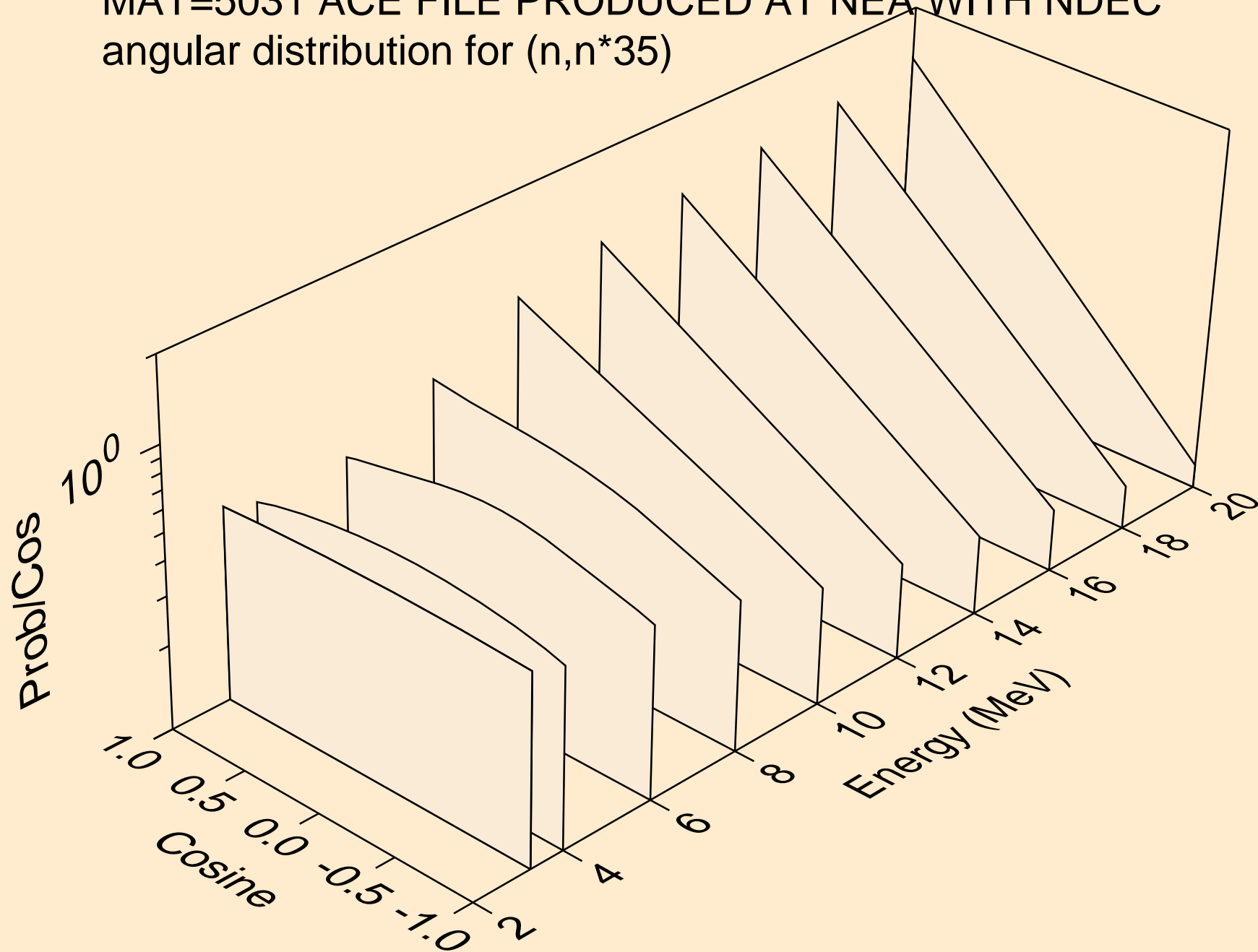


MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*34)

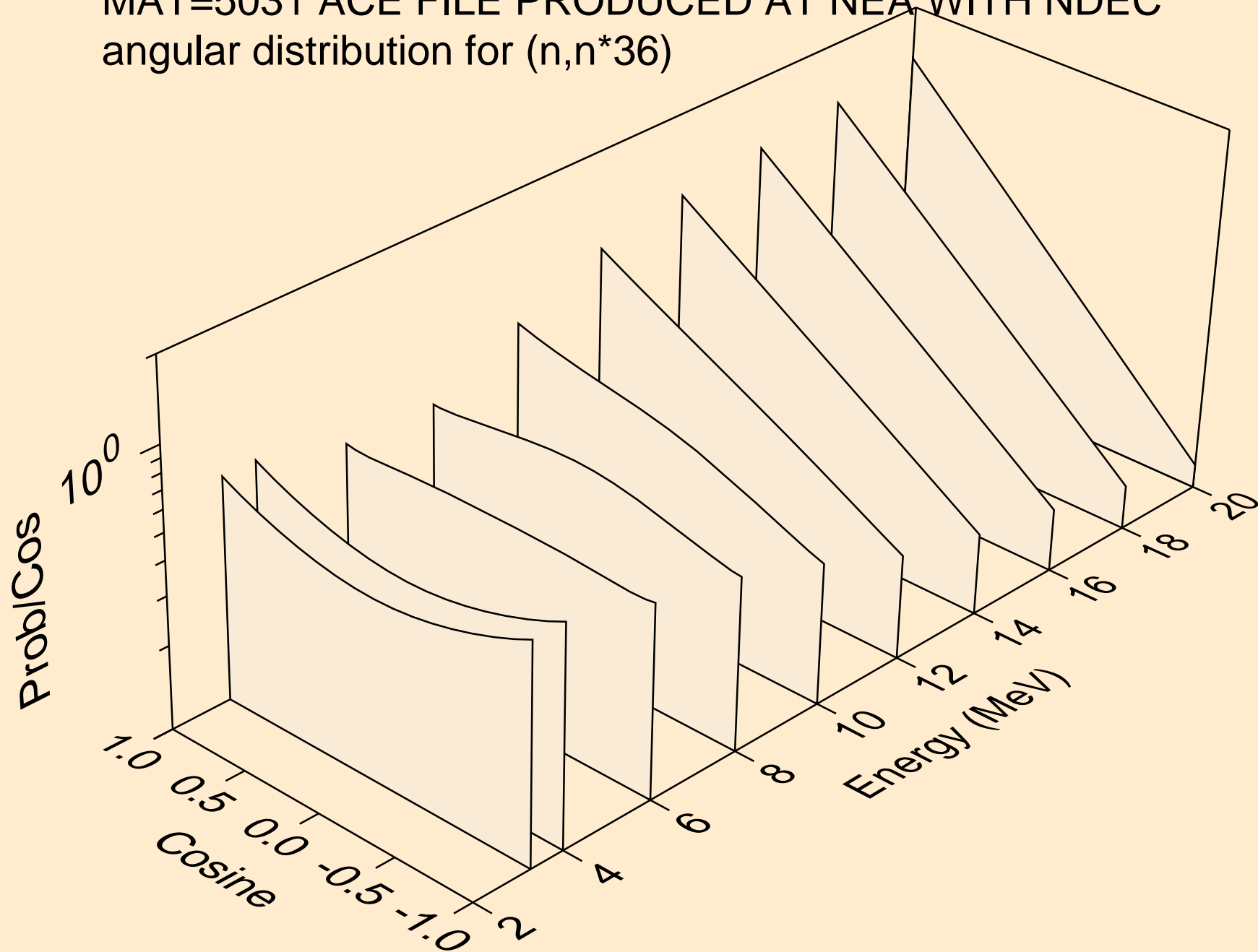




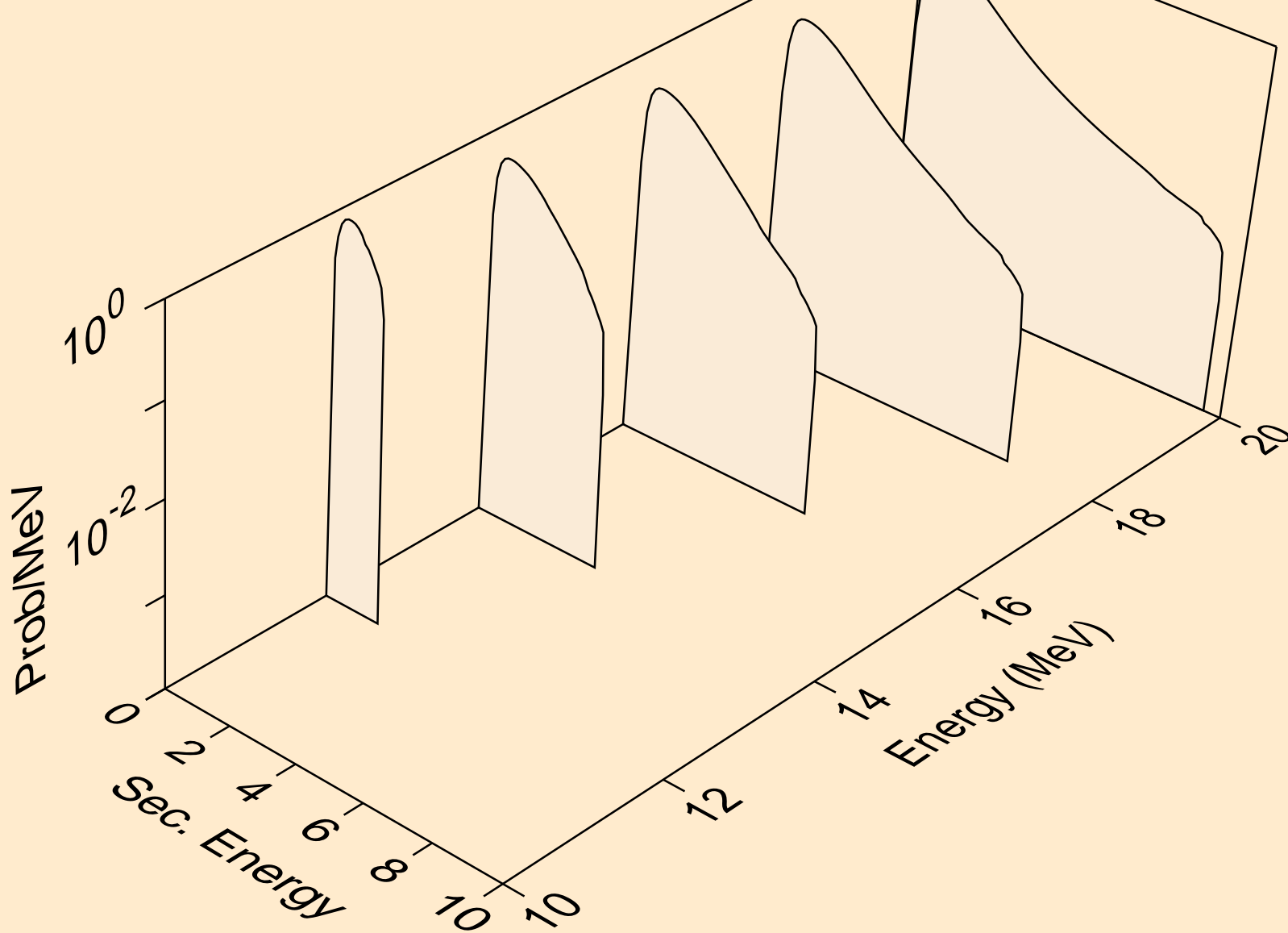
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*35)



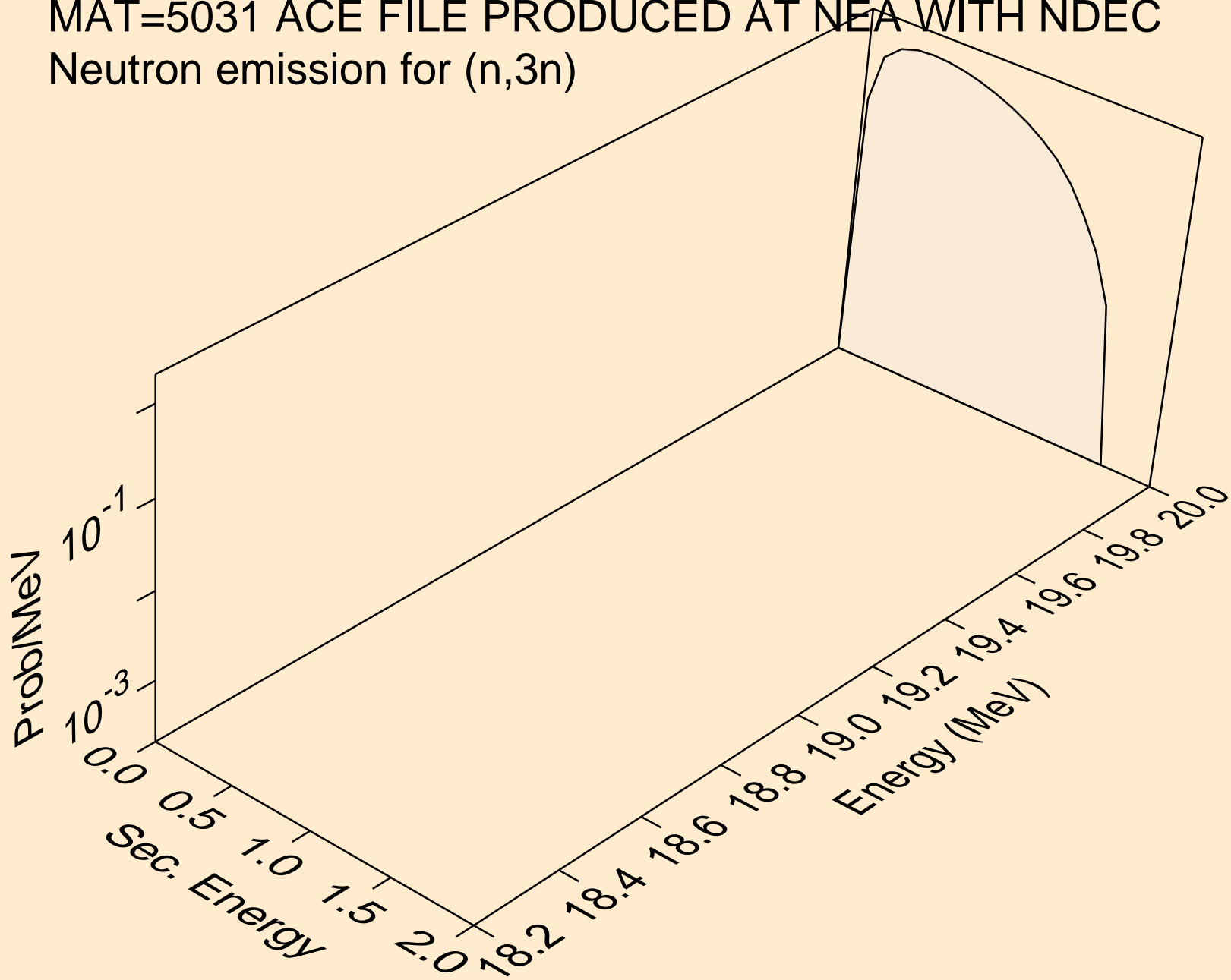
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
angular distribution for (n,n\*36)



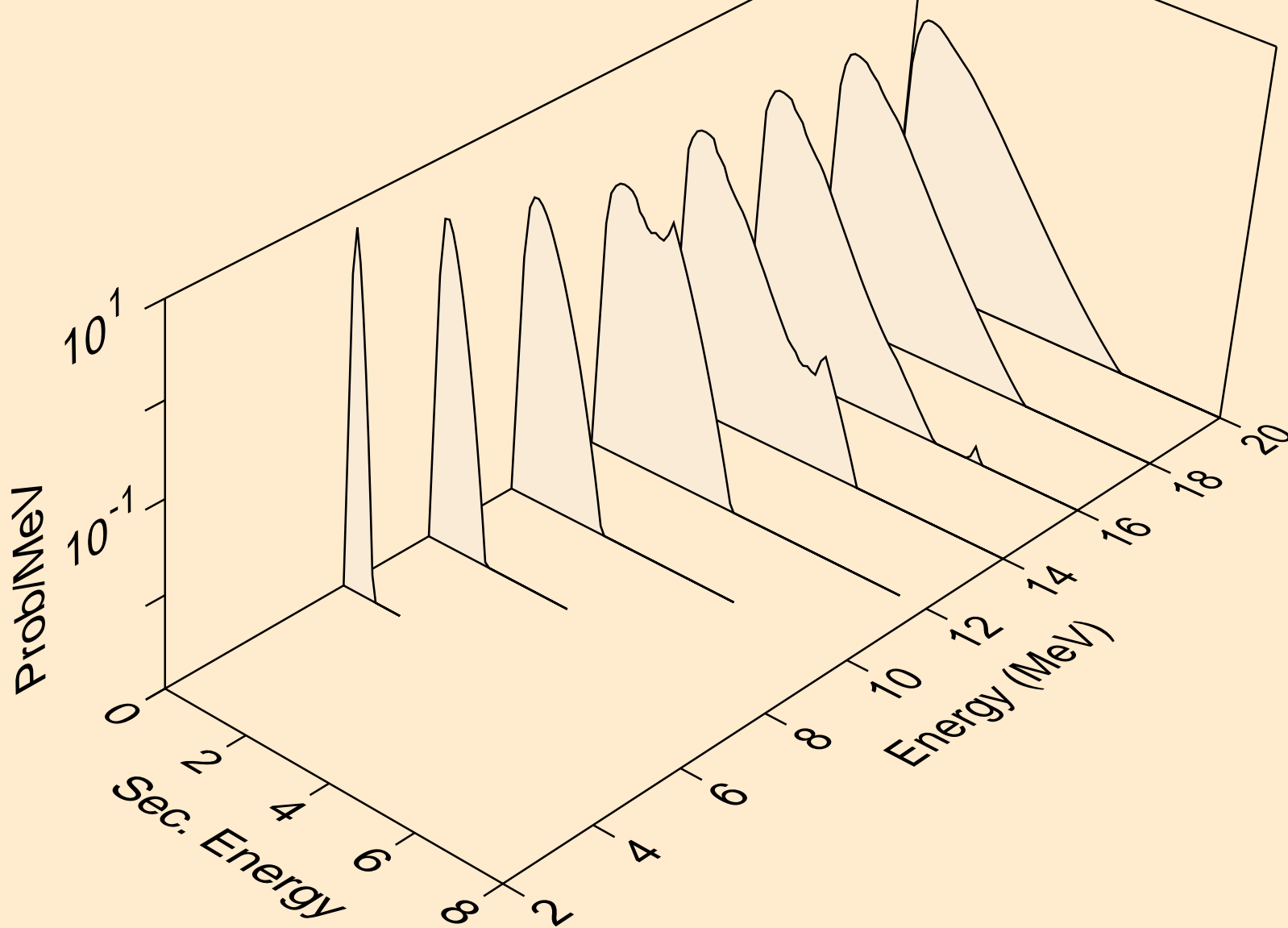
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Neutron emission for (n,2n)



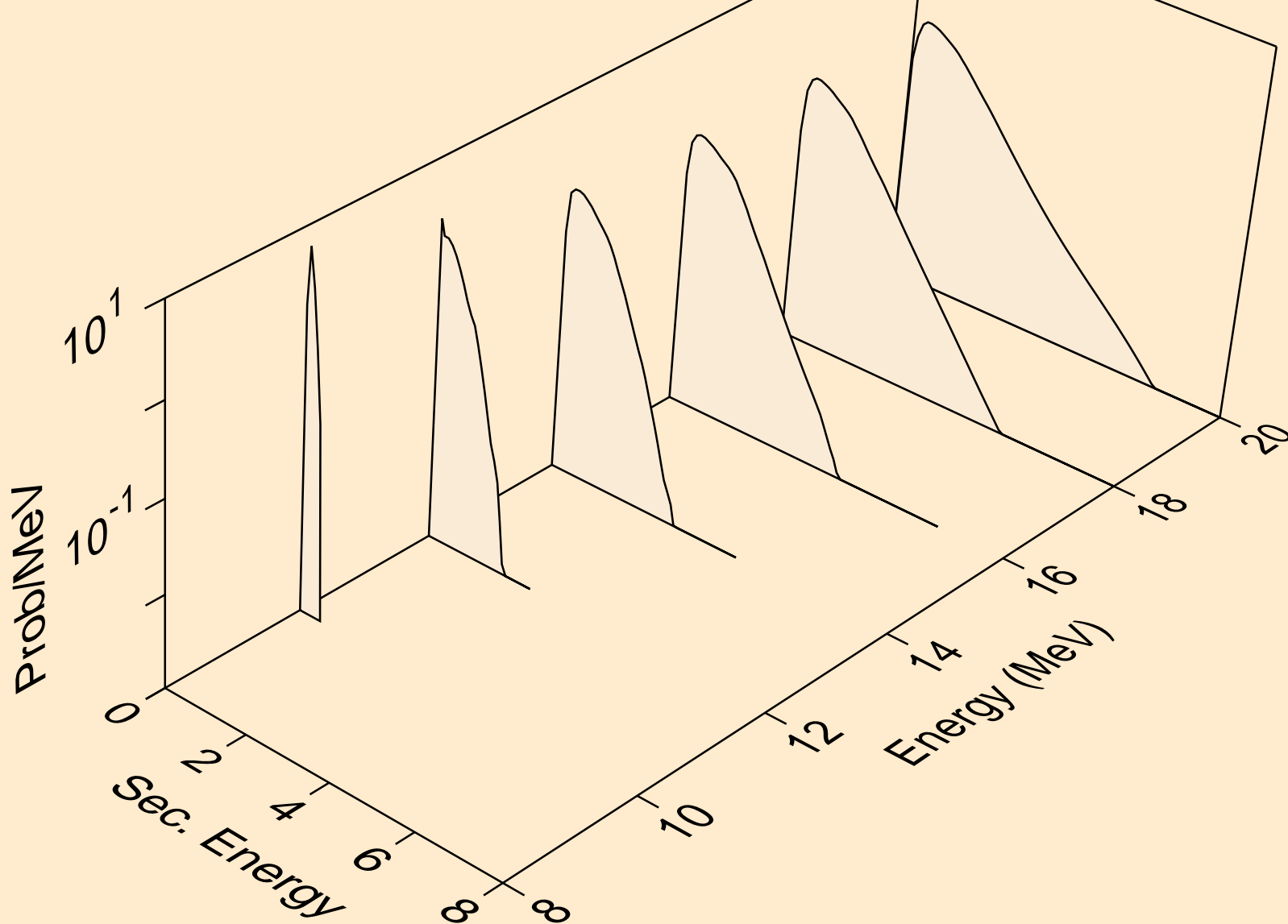
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,3n)



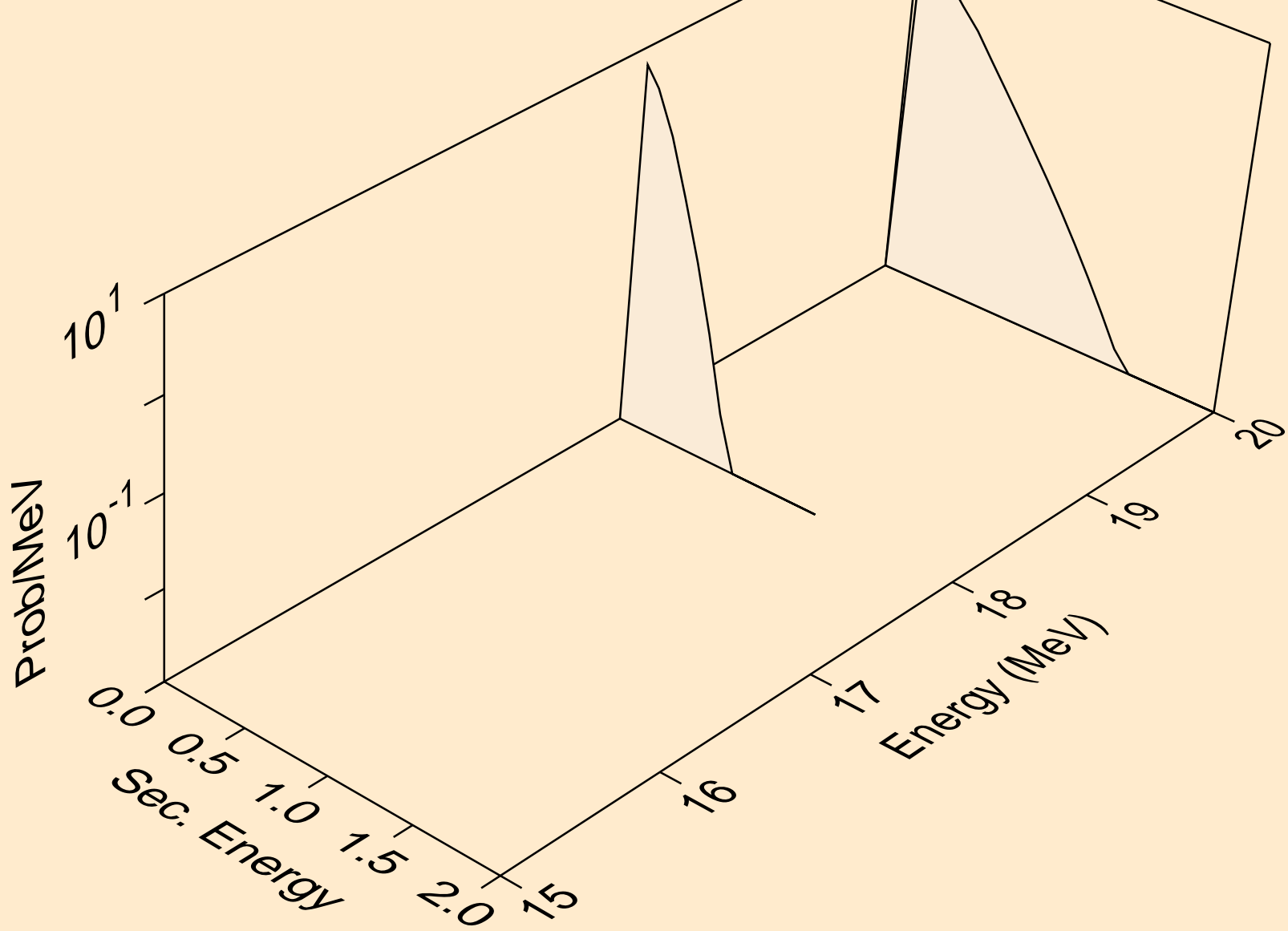
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)a



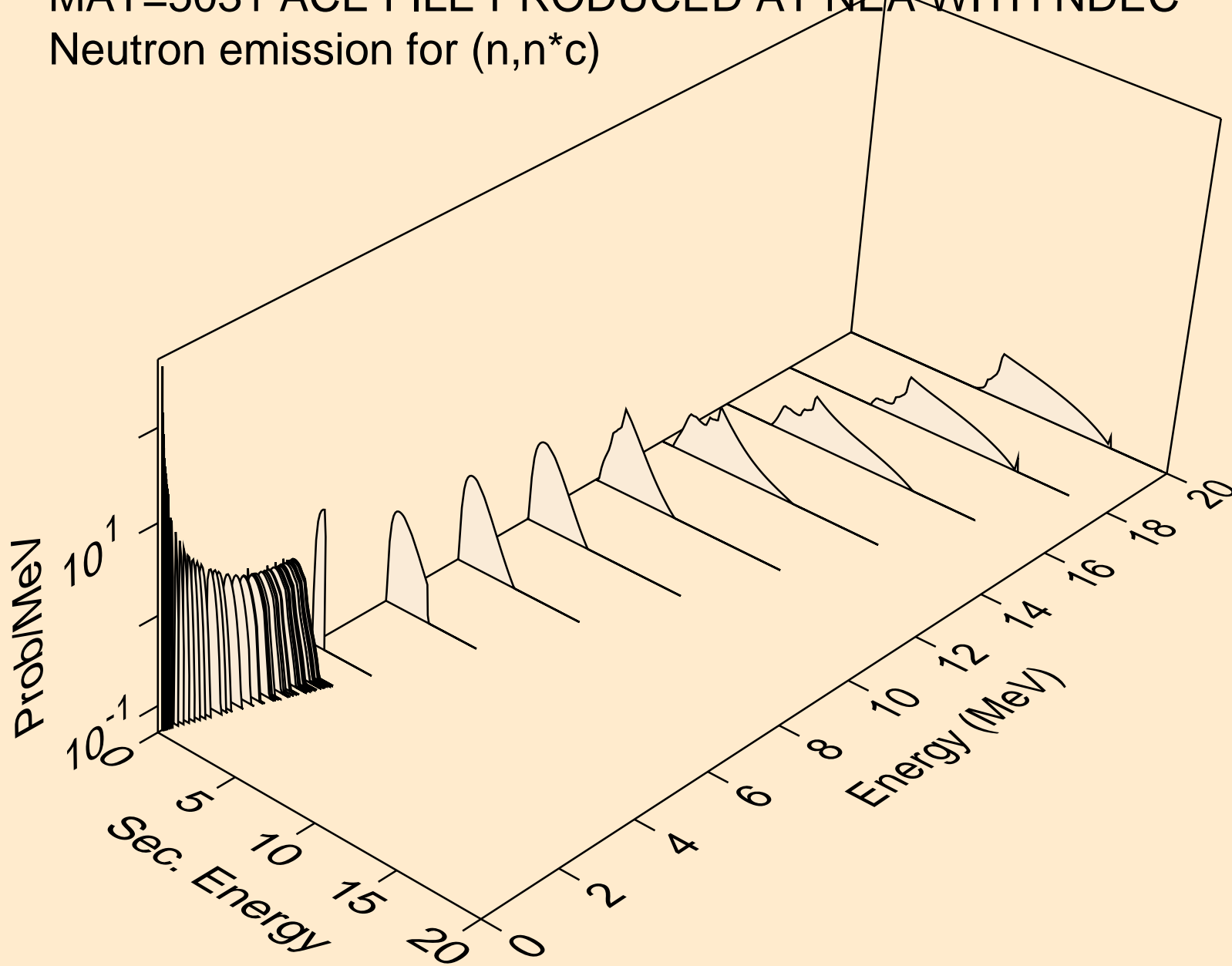
MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)p



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
Neutron emission for (n,n\*)d

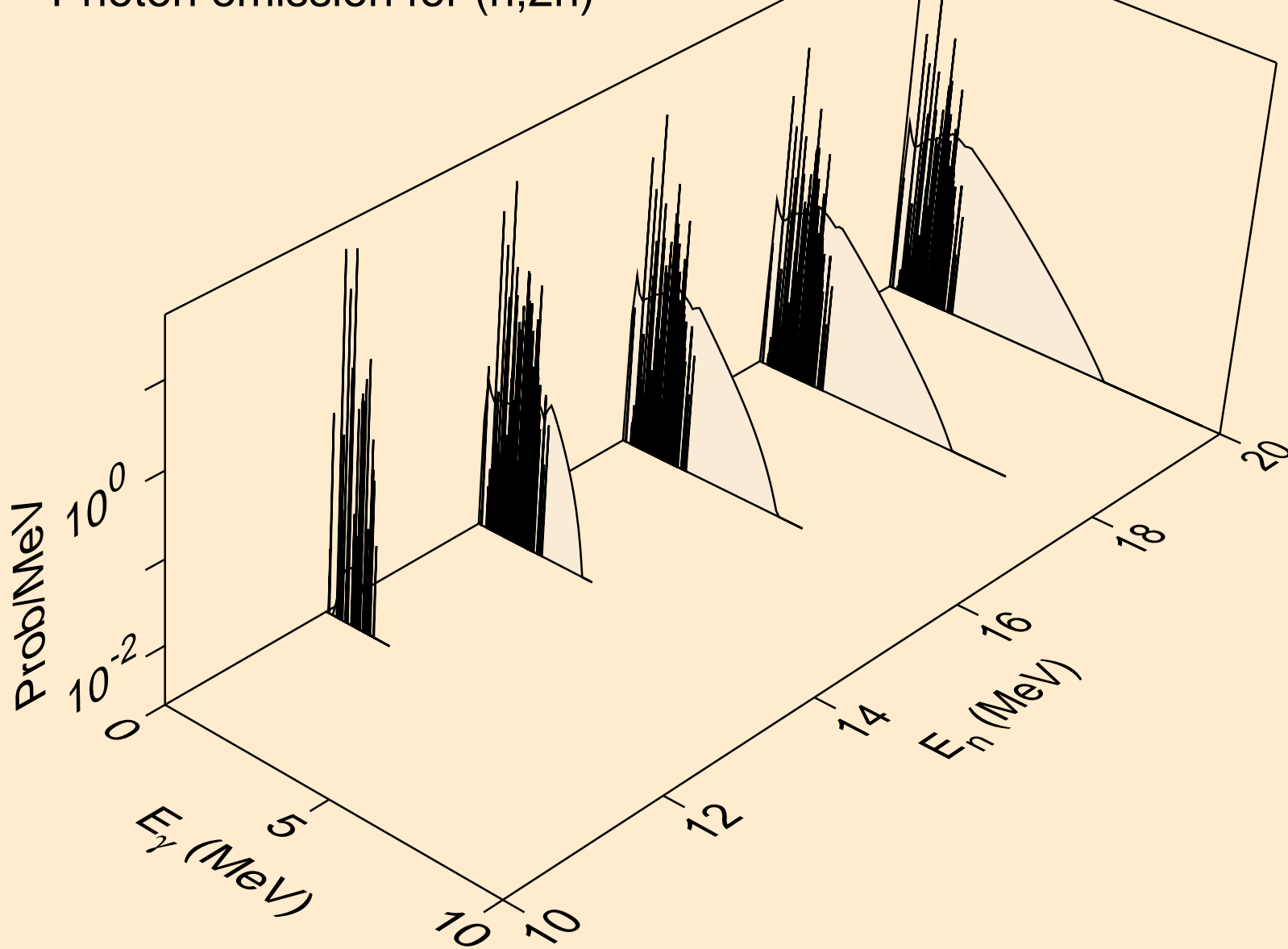


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Neutron emission for (n,n\*c)

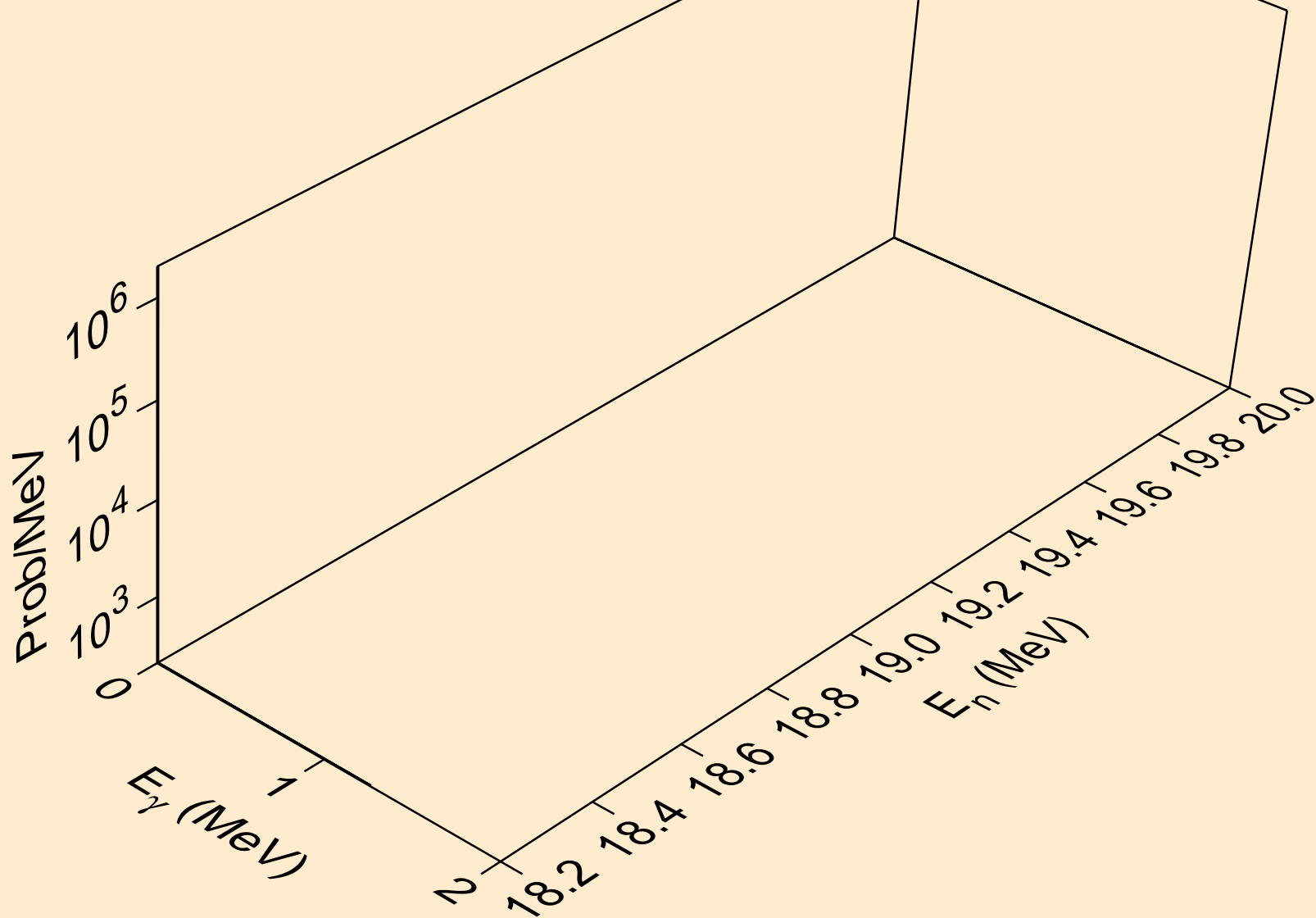




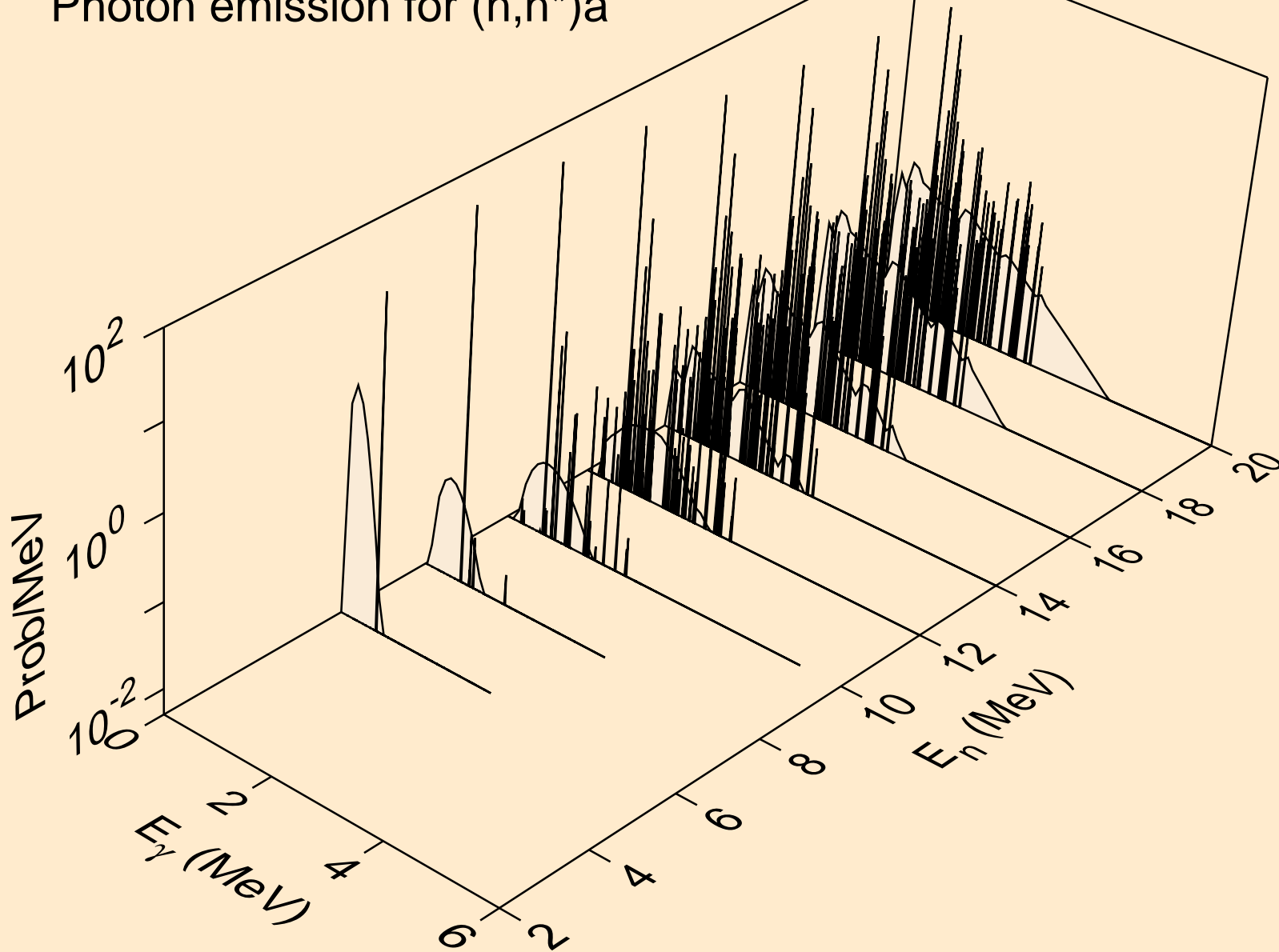
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Photon emission for (n,2n)



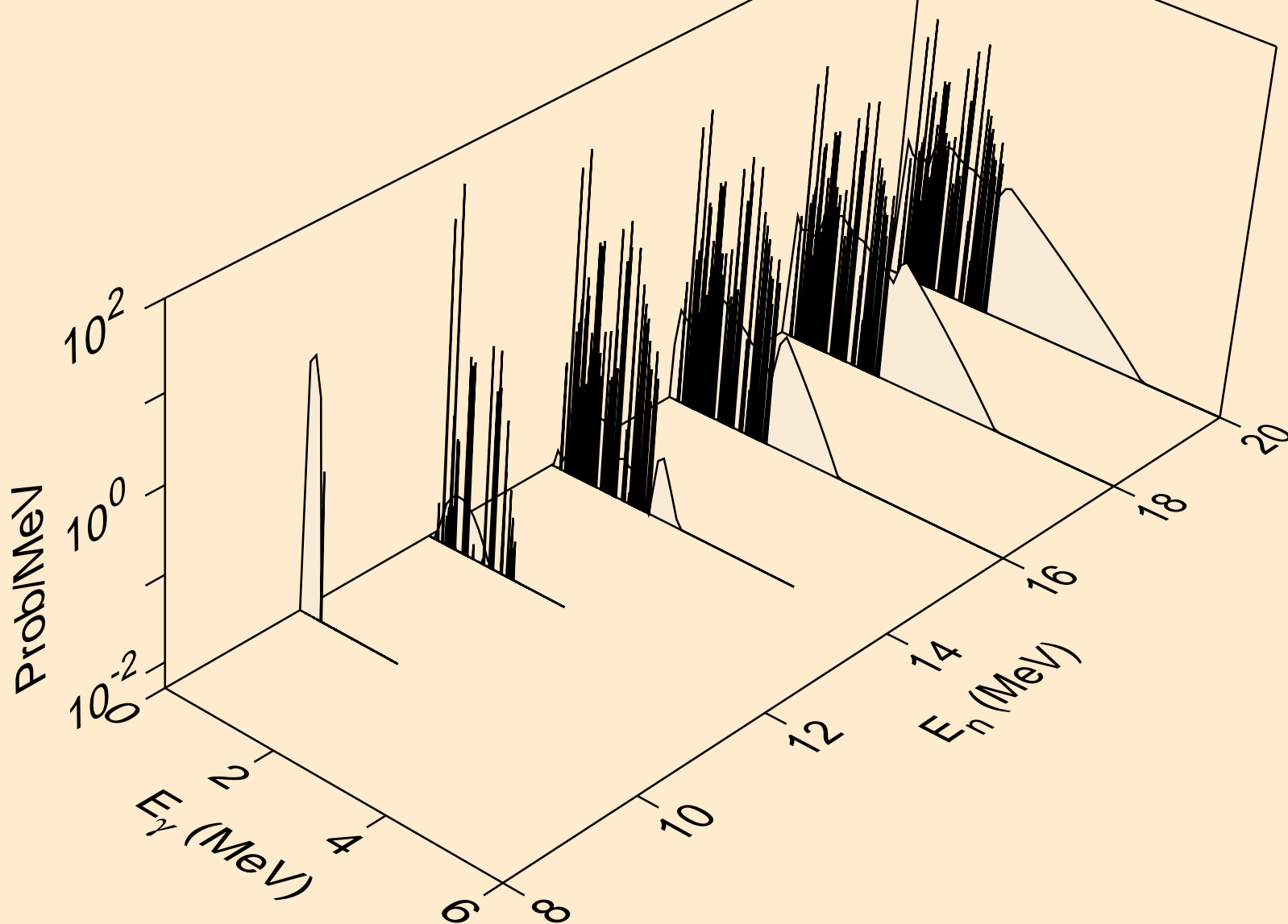
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Photon emission for (n,3n)



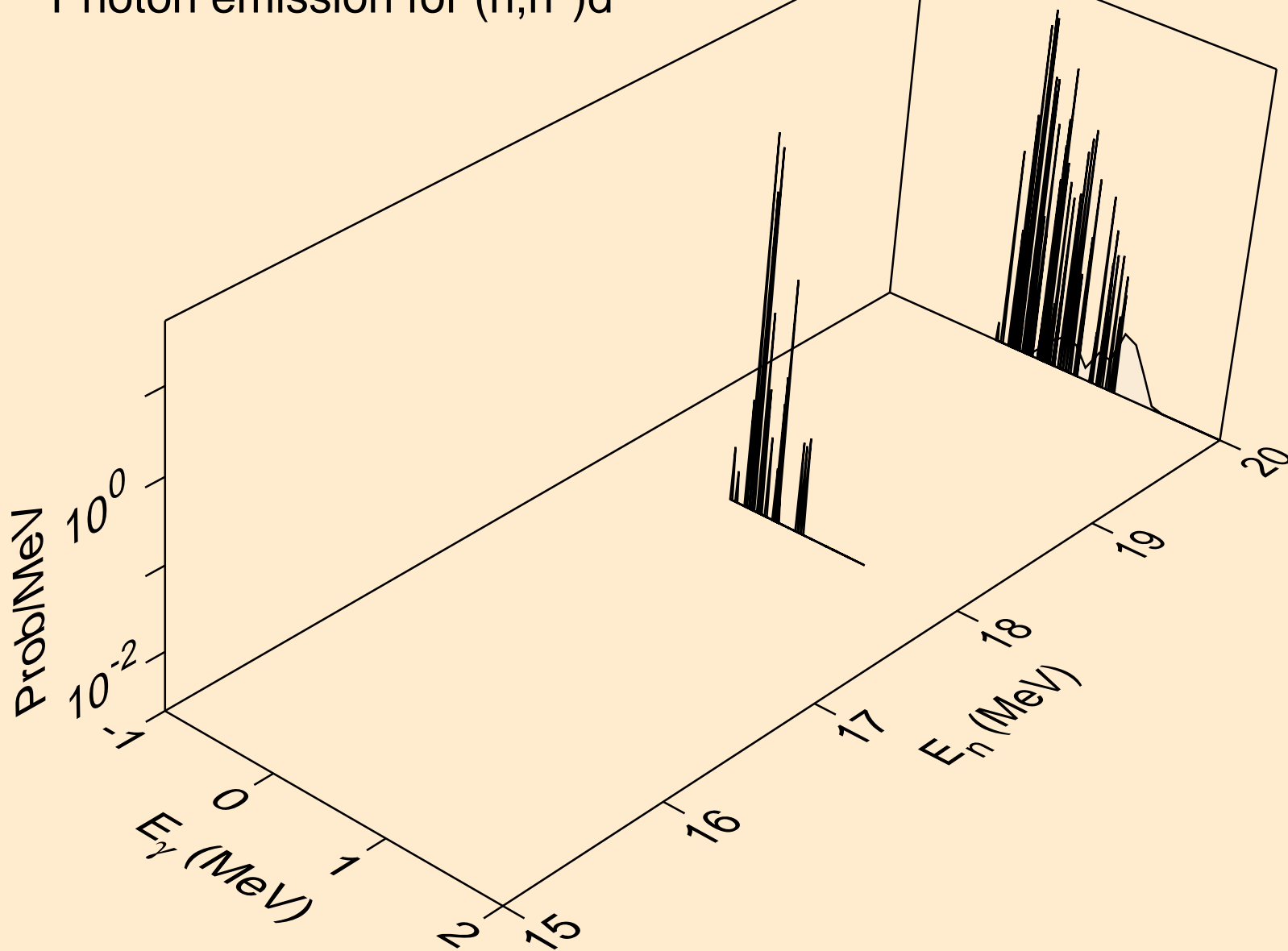
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Photon emission for (n,n\*)a



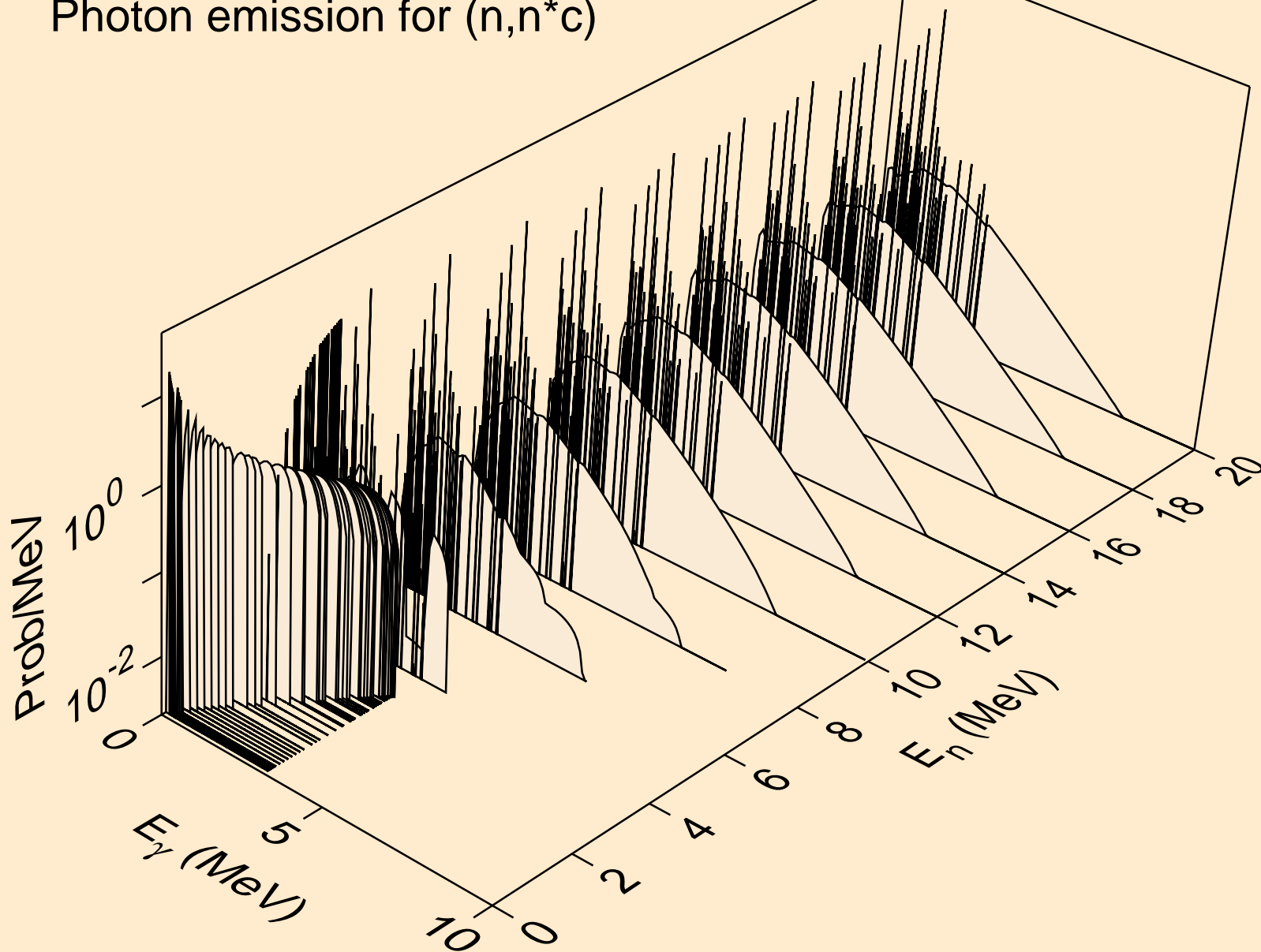
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Photon emission for (n,n\*)p



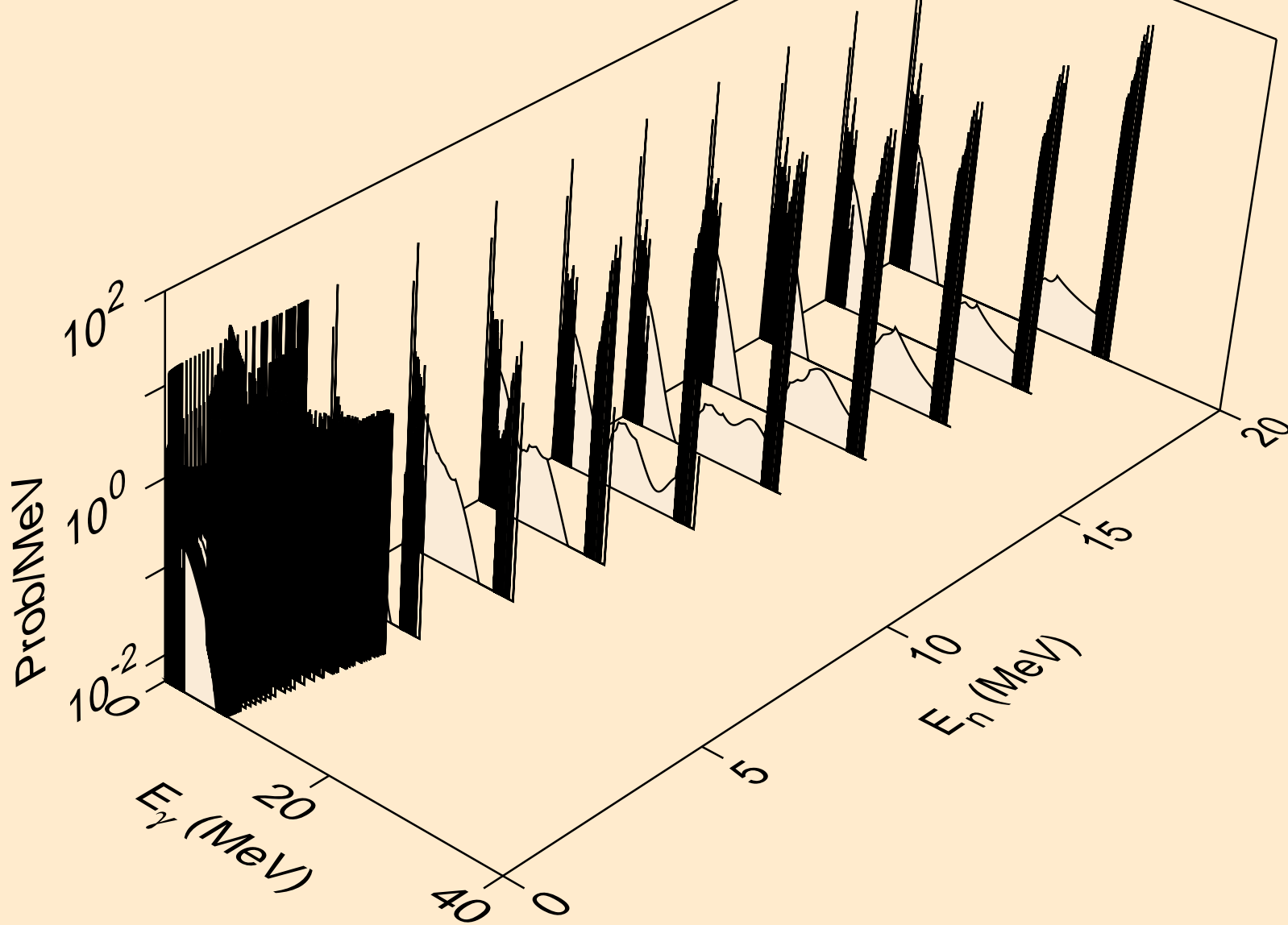
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Photon emission for (n,n\*)d



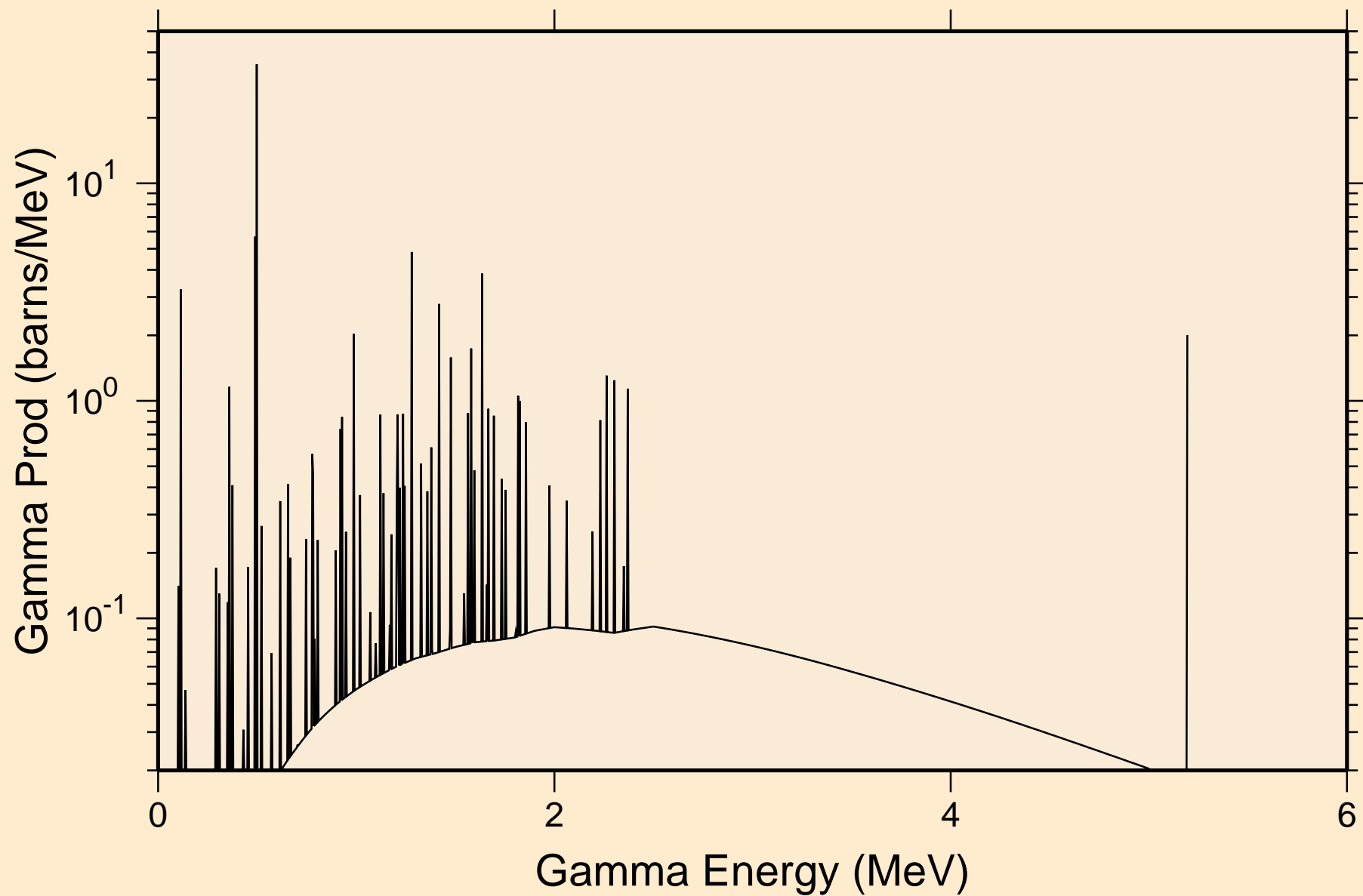
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Photon emission for (n,n\*c)



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Photon emission for (n,gma)

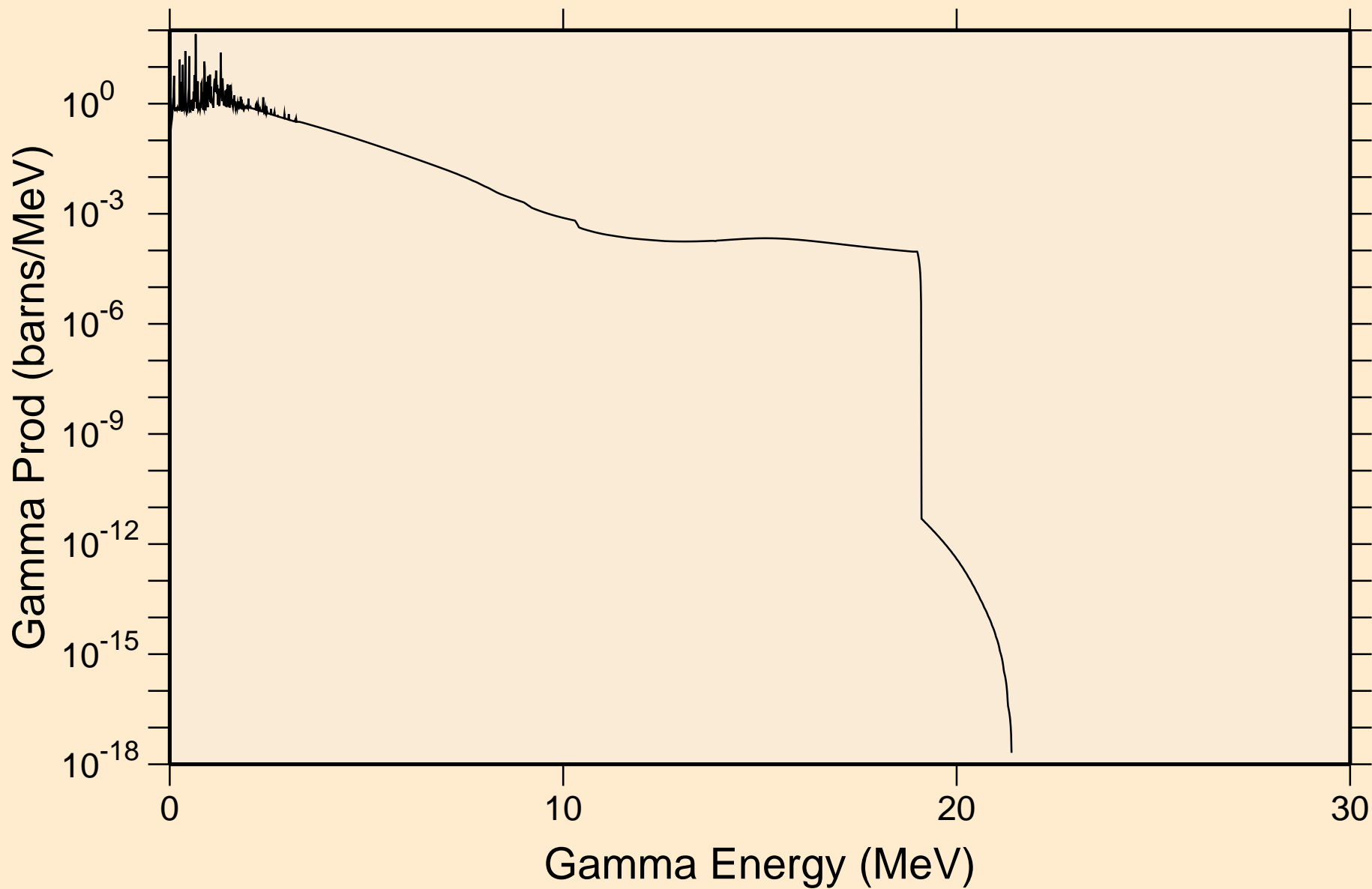


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thermal capture photon spectrum

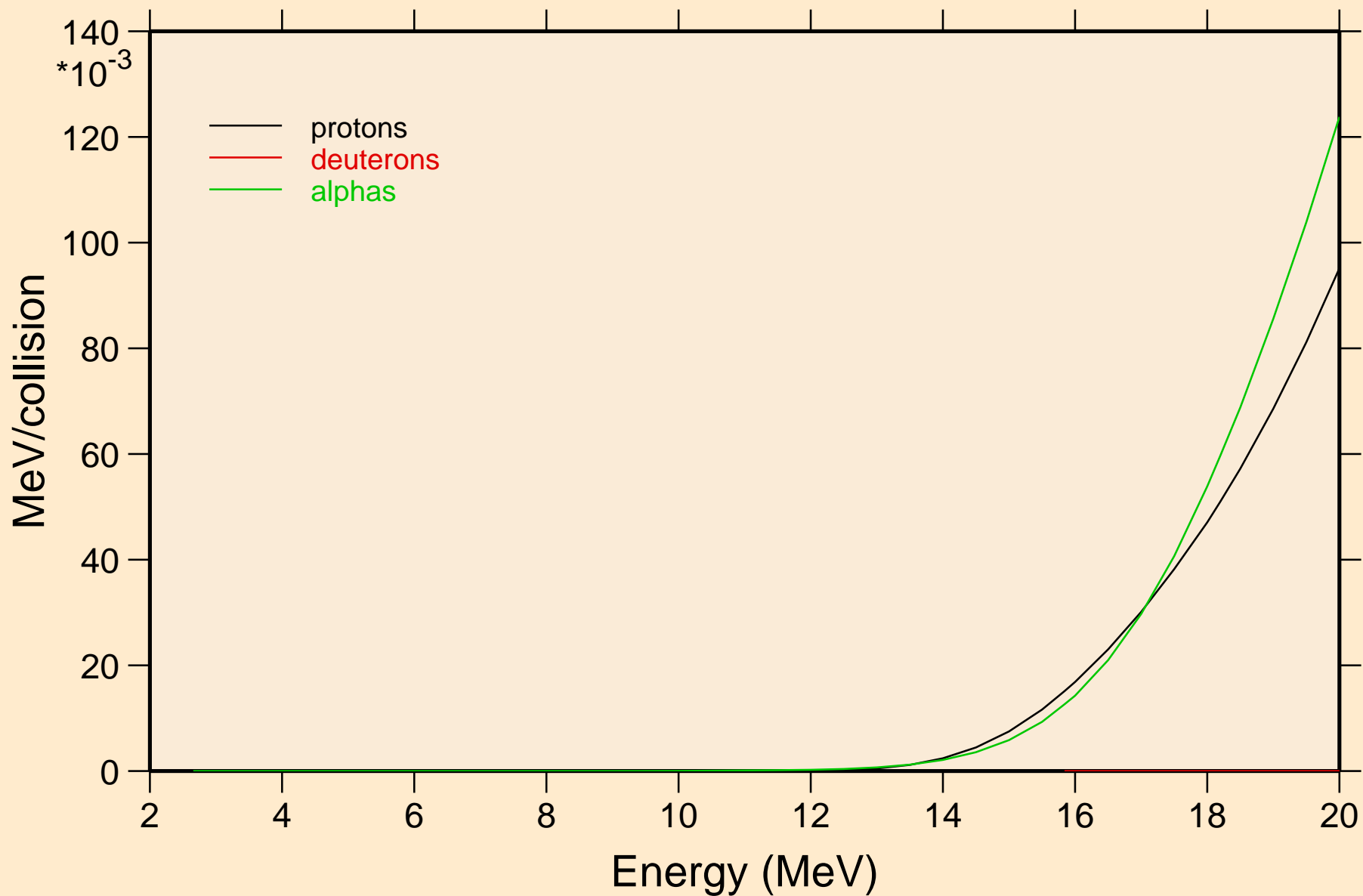




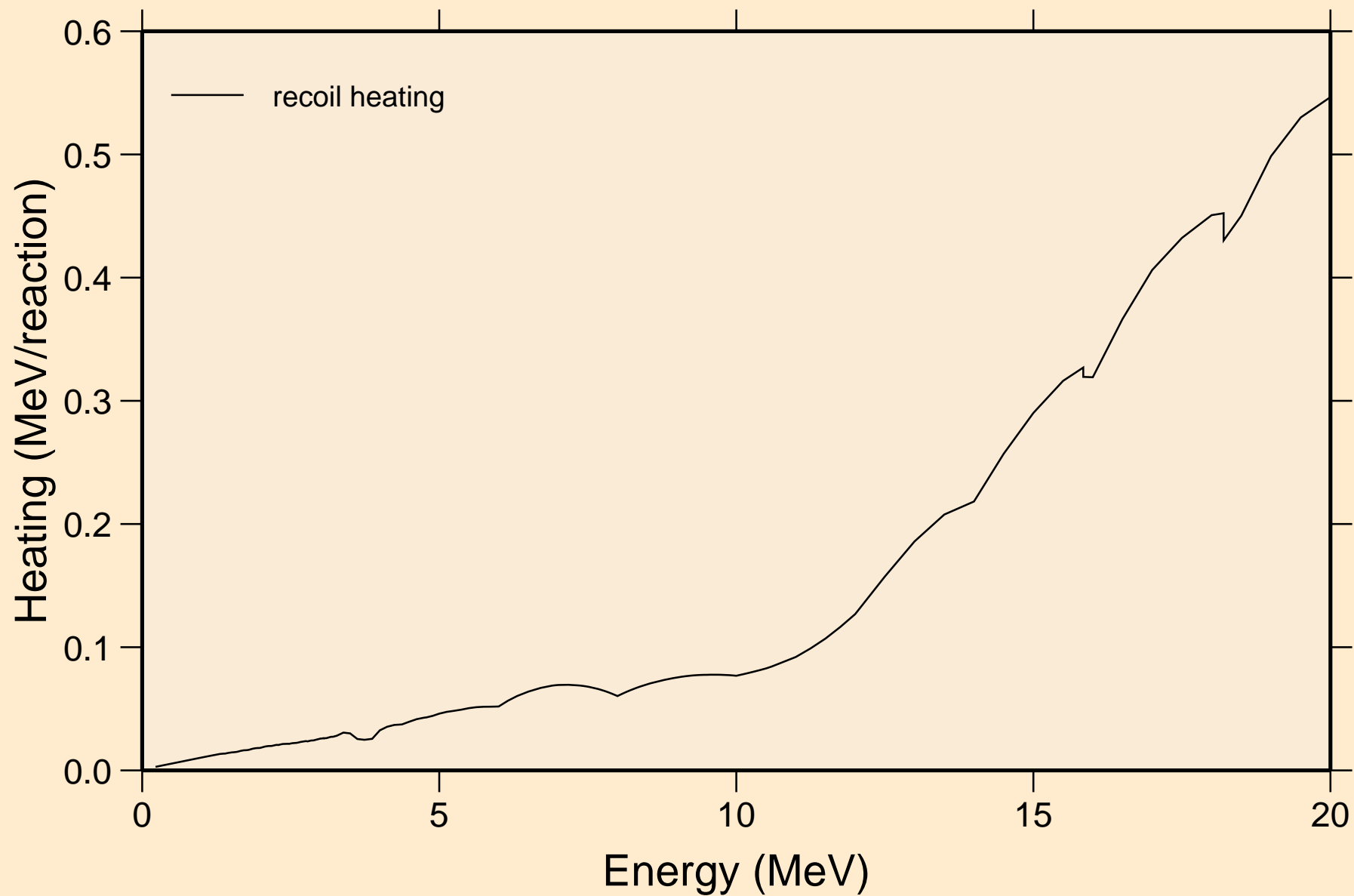
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14 MeV photon spectrum



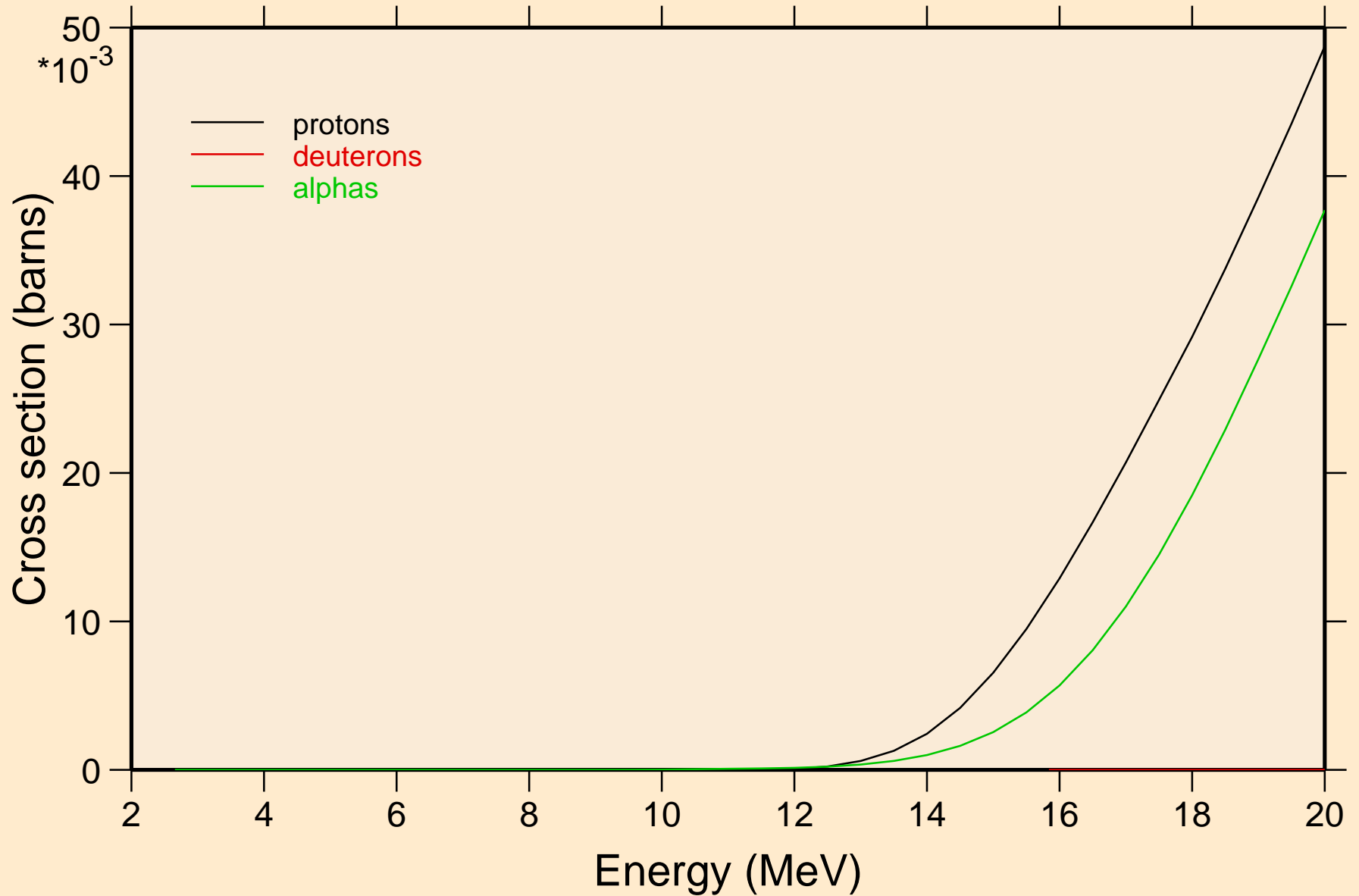
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Particle heating contributions



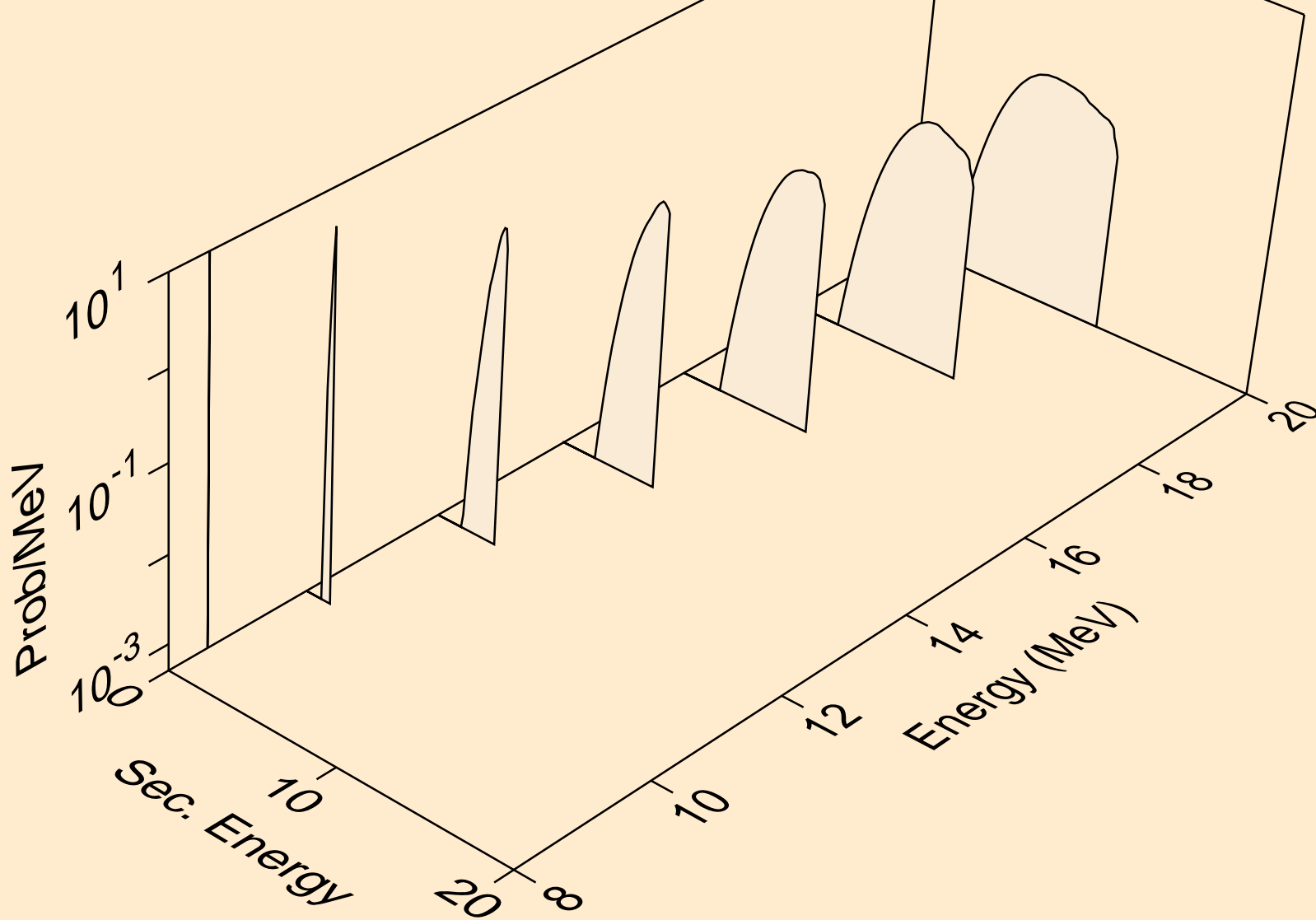
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Recoil Heating



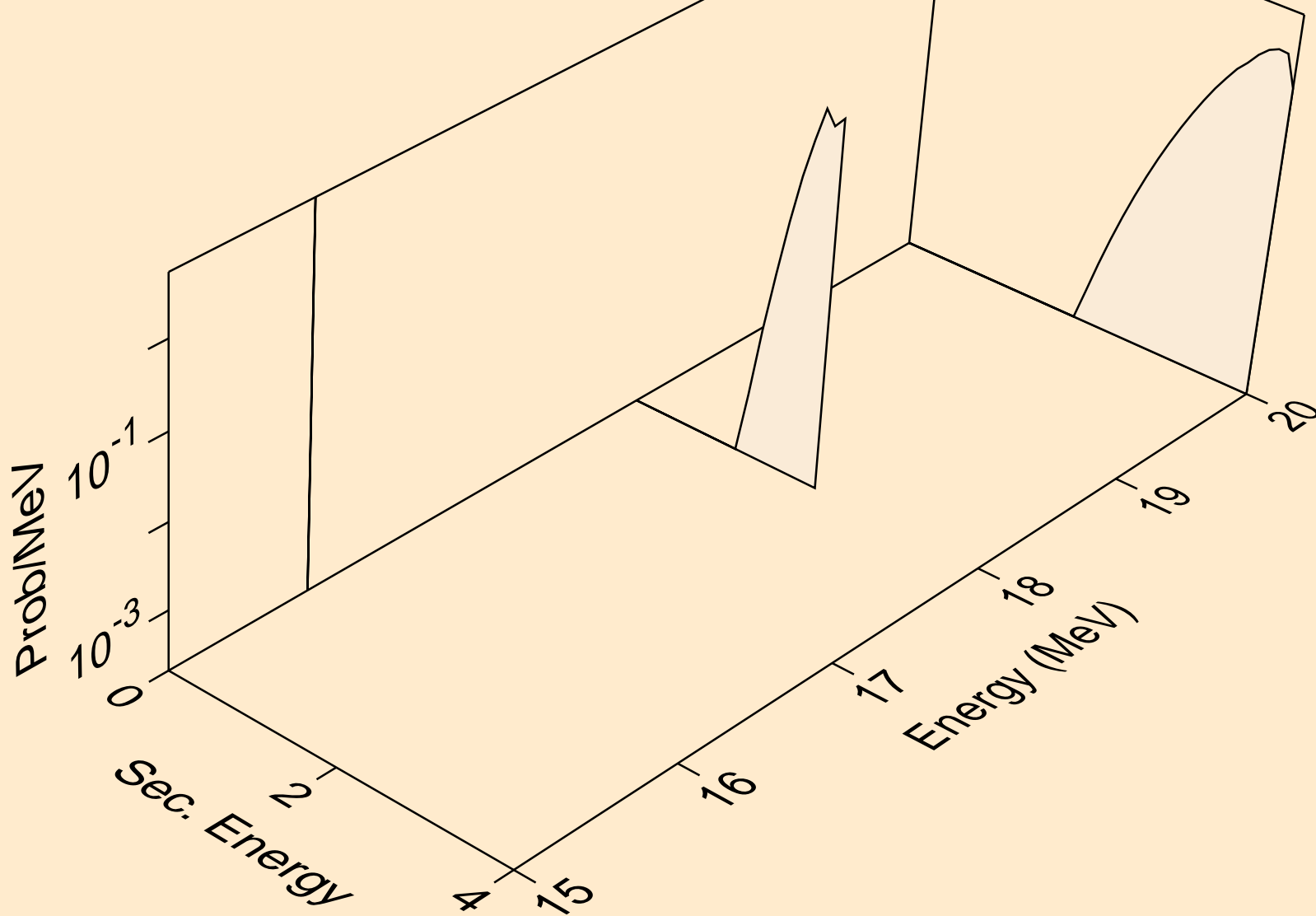
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Particle production cross sections



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
protons from (n,n\*)p



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
deuterons from (n,n\*)d



MAT=5031 ACE FILE PRODUCED AT NEA WITH NDEC  
alphas from (n,n\*)a

