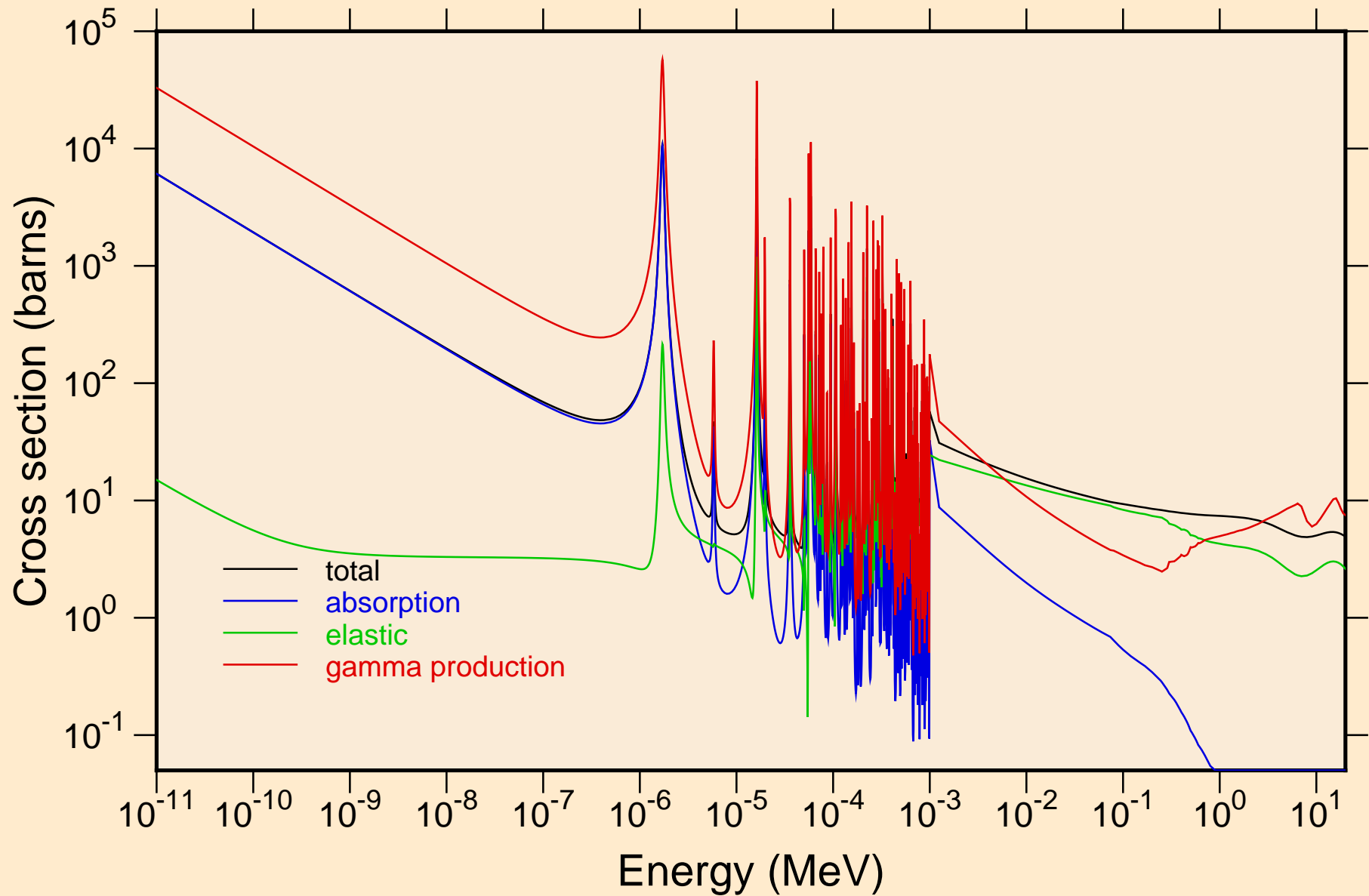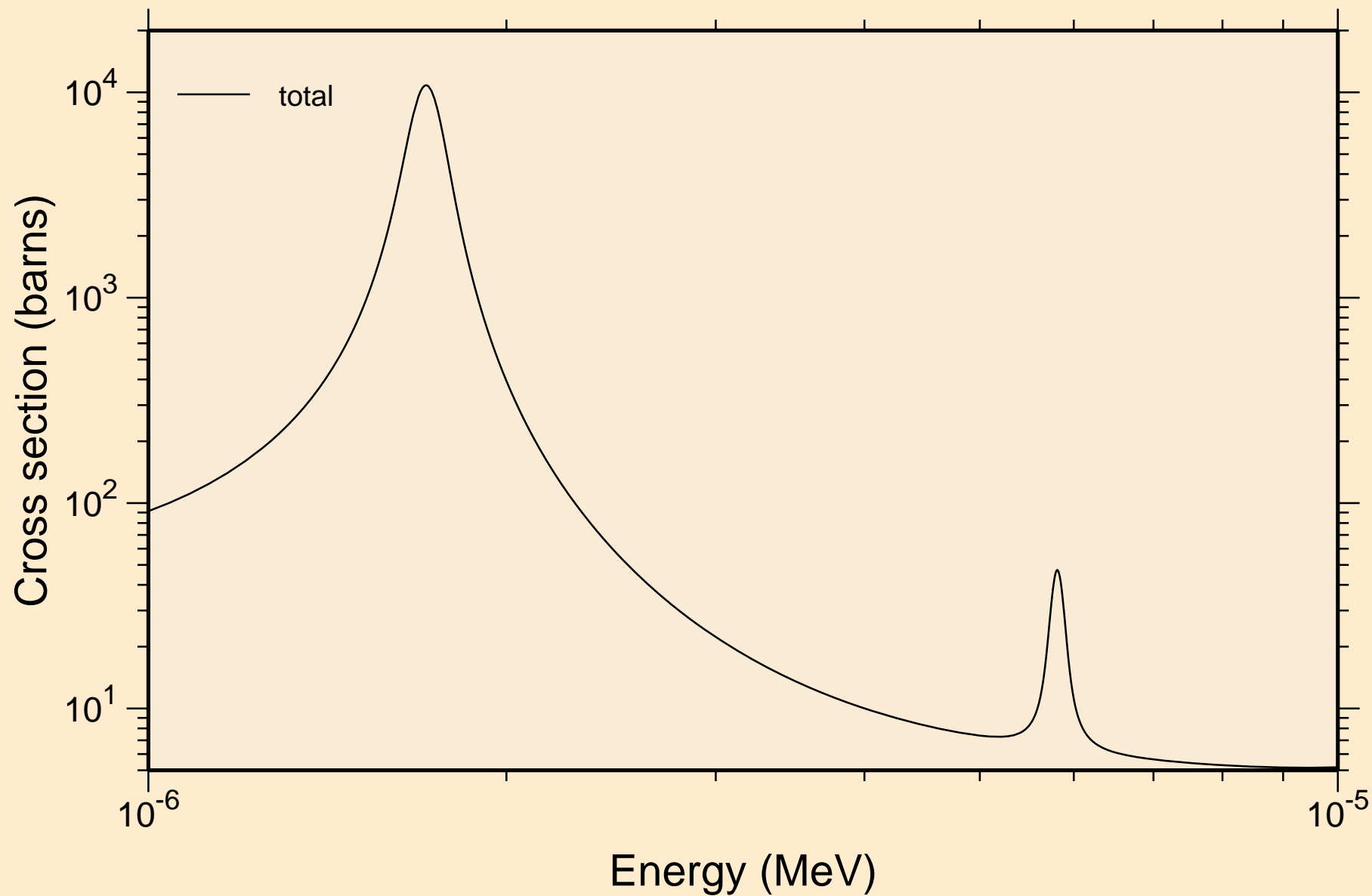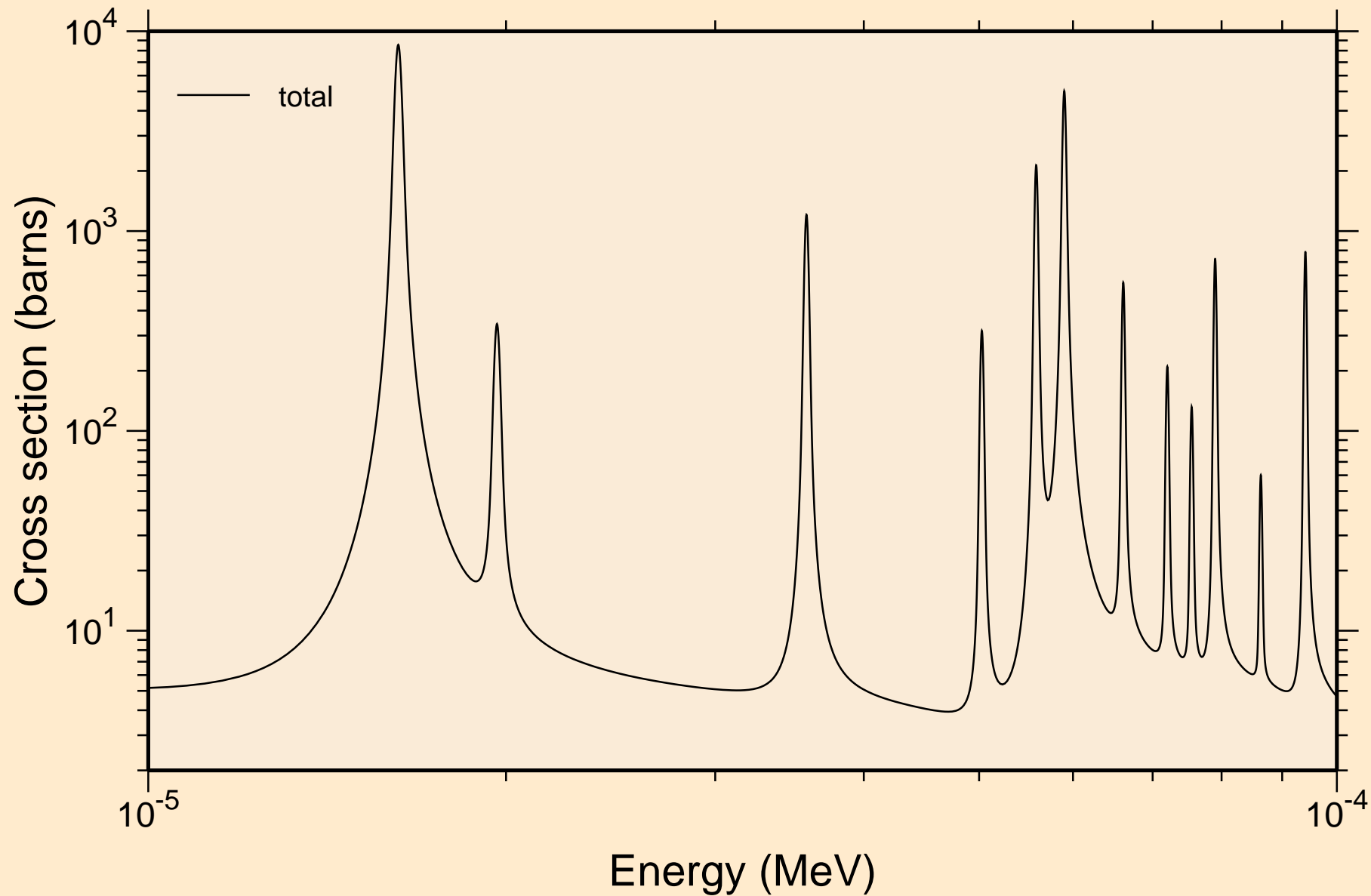MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
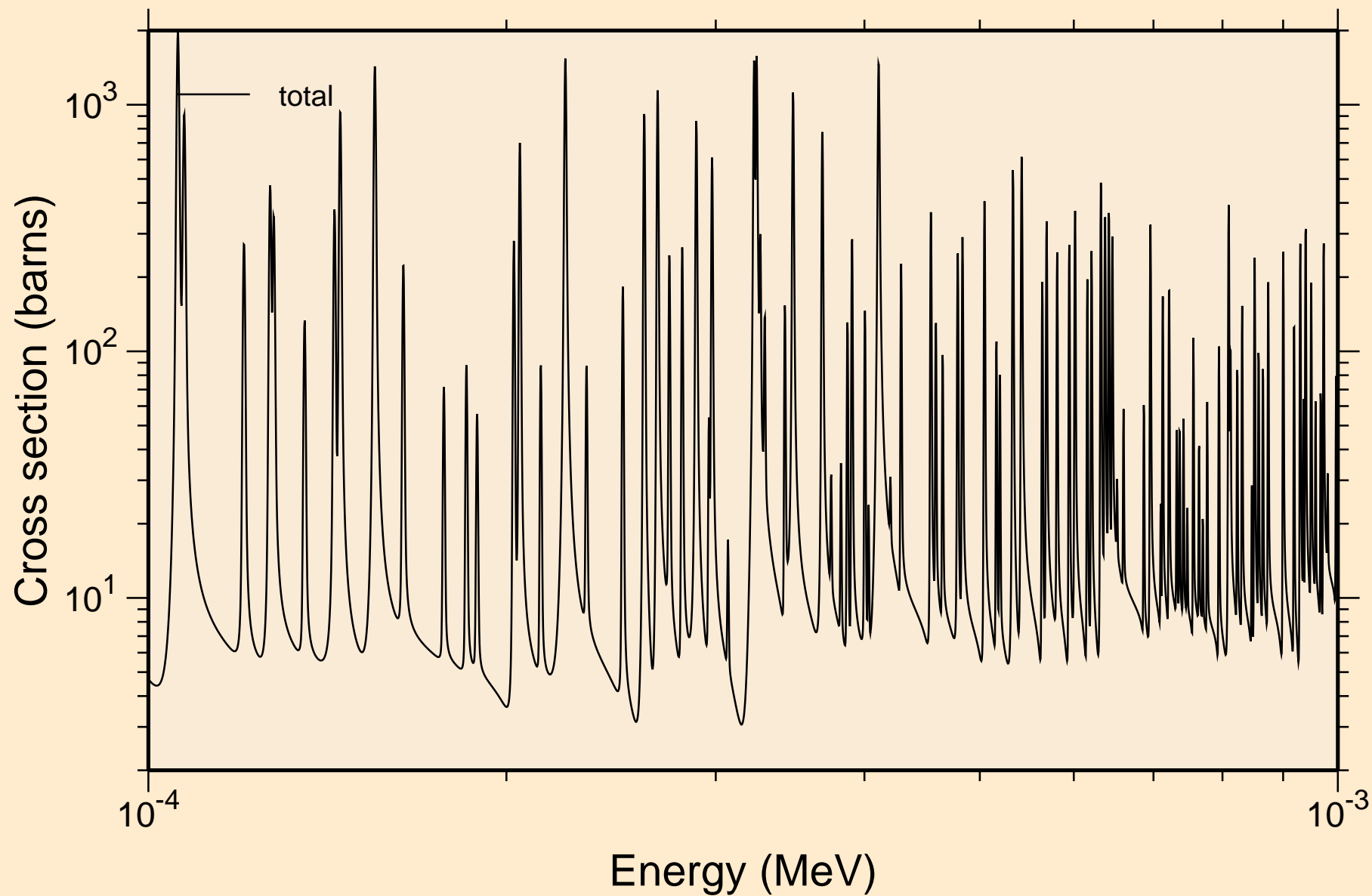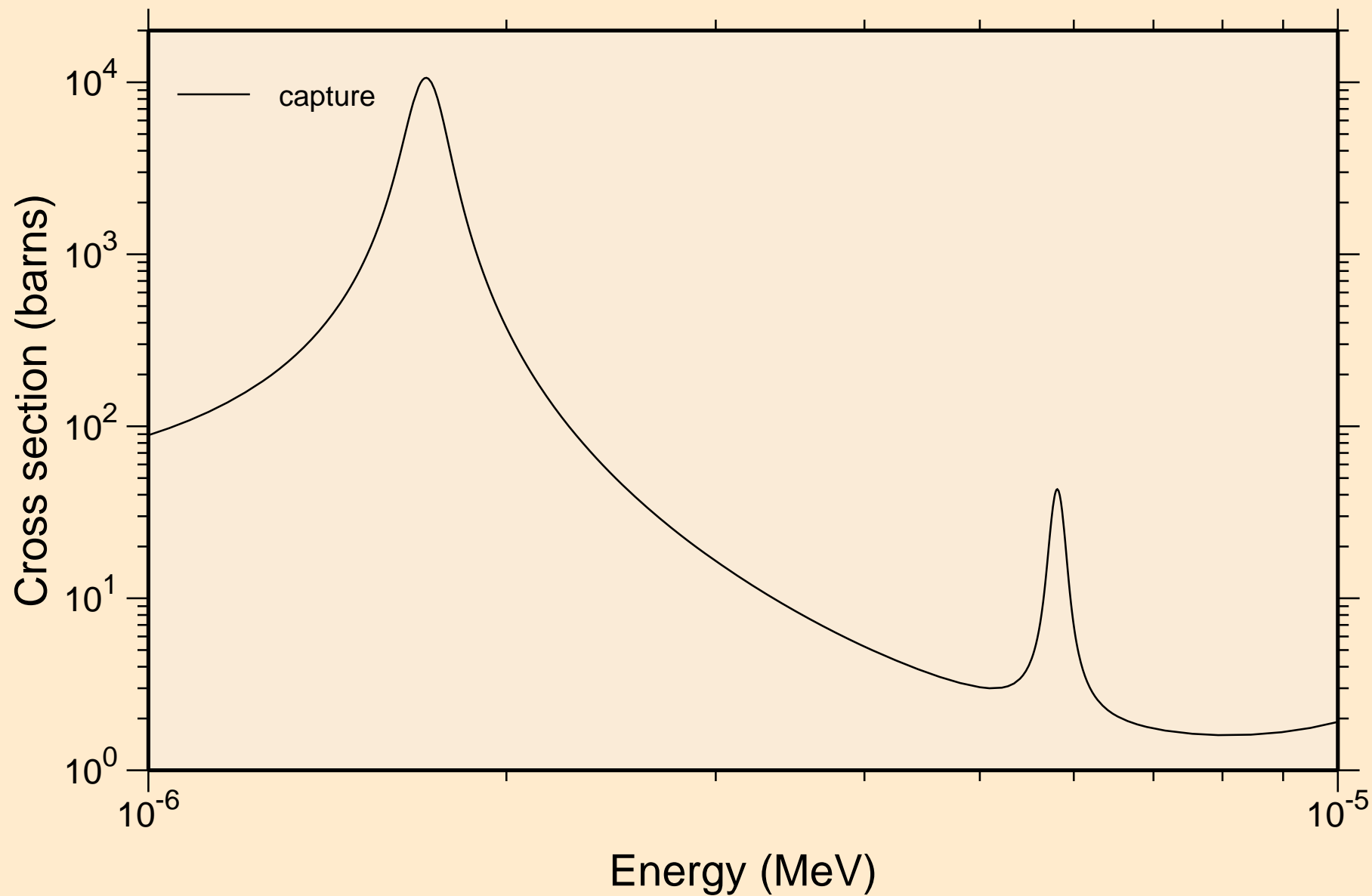Principal cross sections

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
resonance total cross section

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
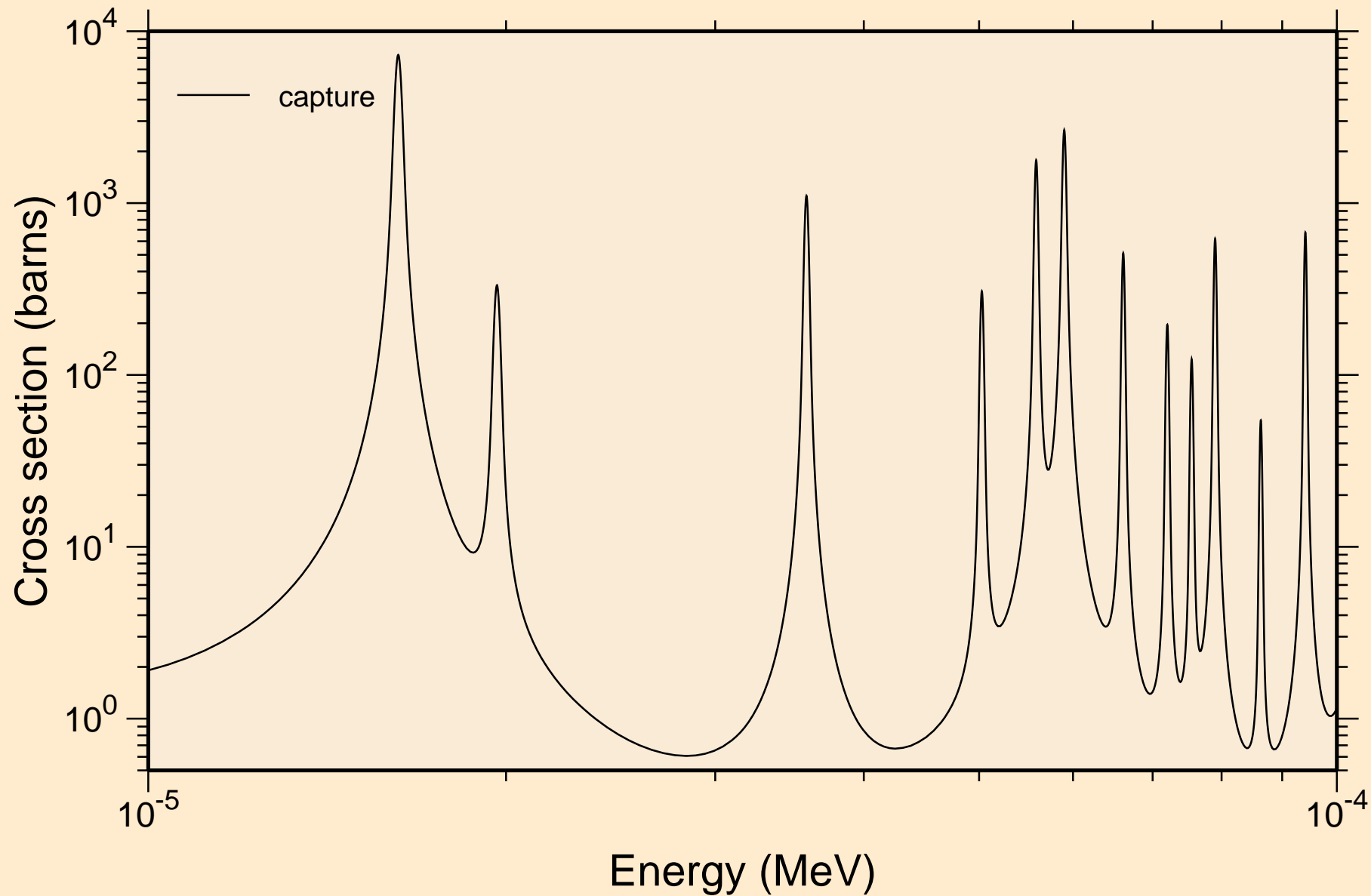resonance total cross section

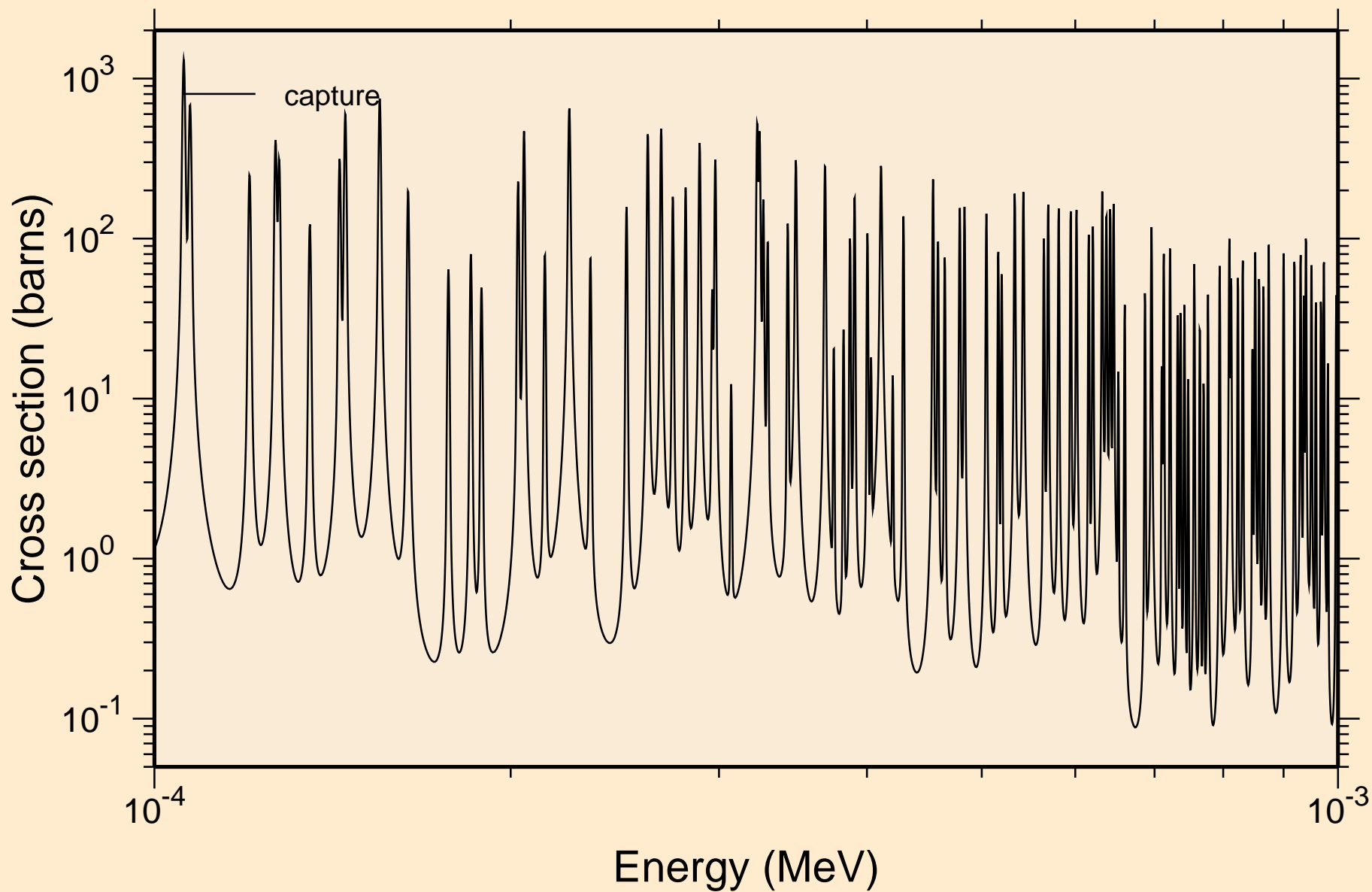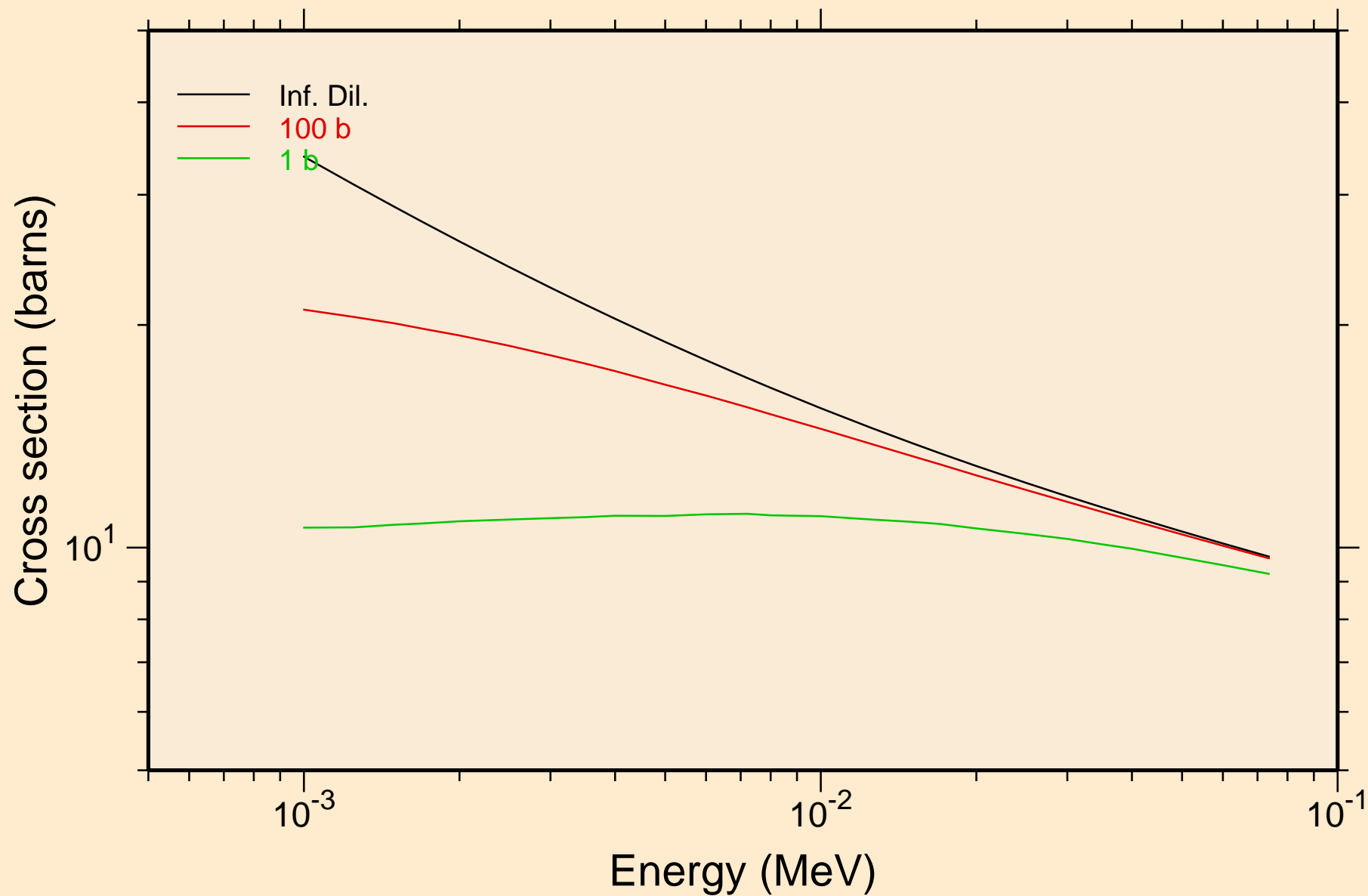MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
resonance total cross section

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
resonance absorption cross sections

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
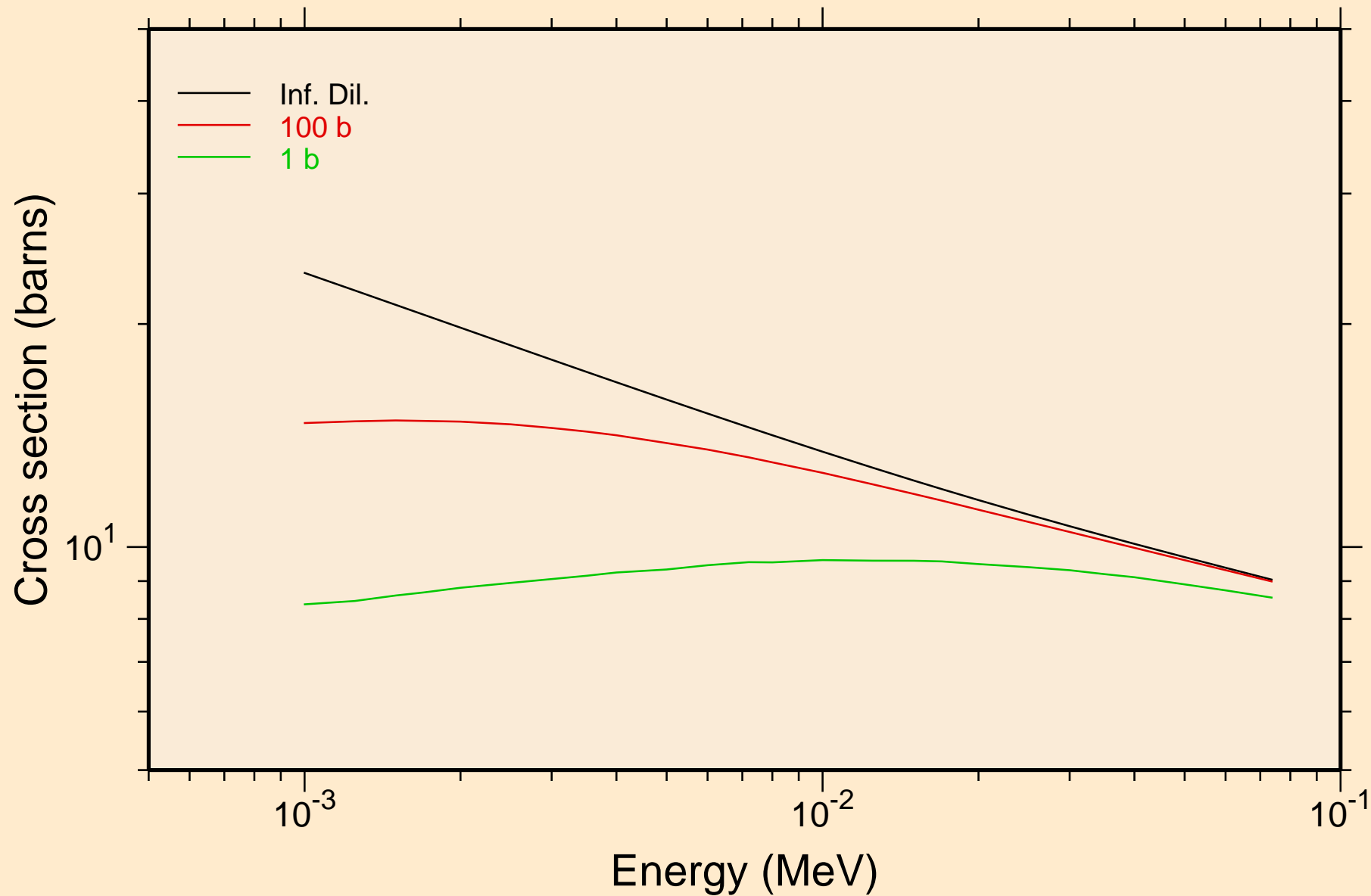resonance absorption cross sections

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
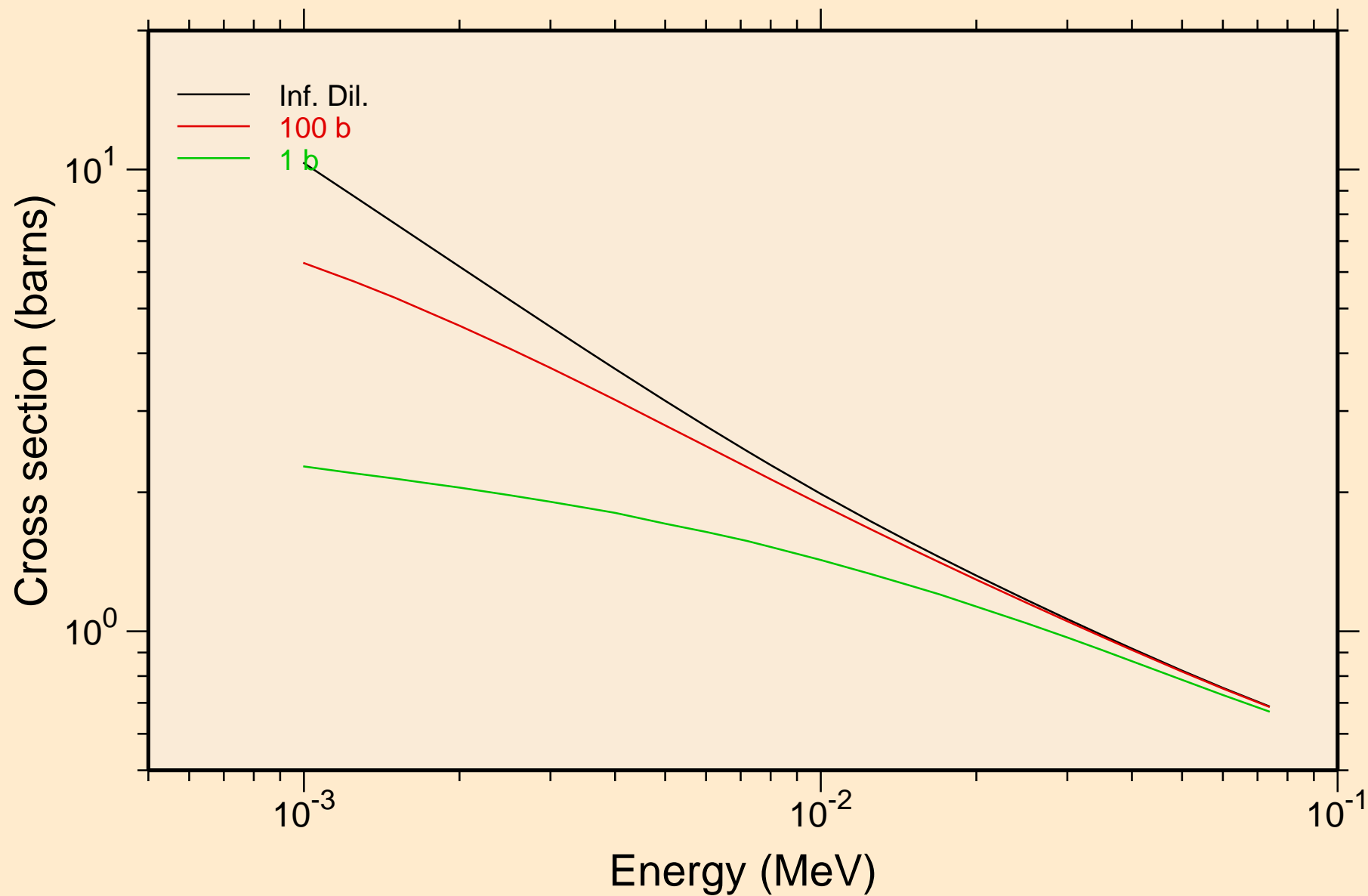resonance absorption cross sections

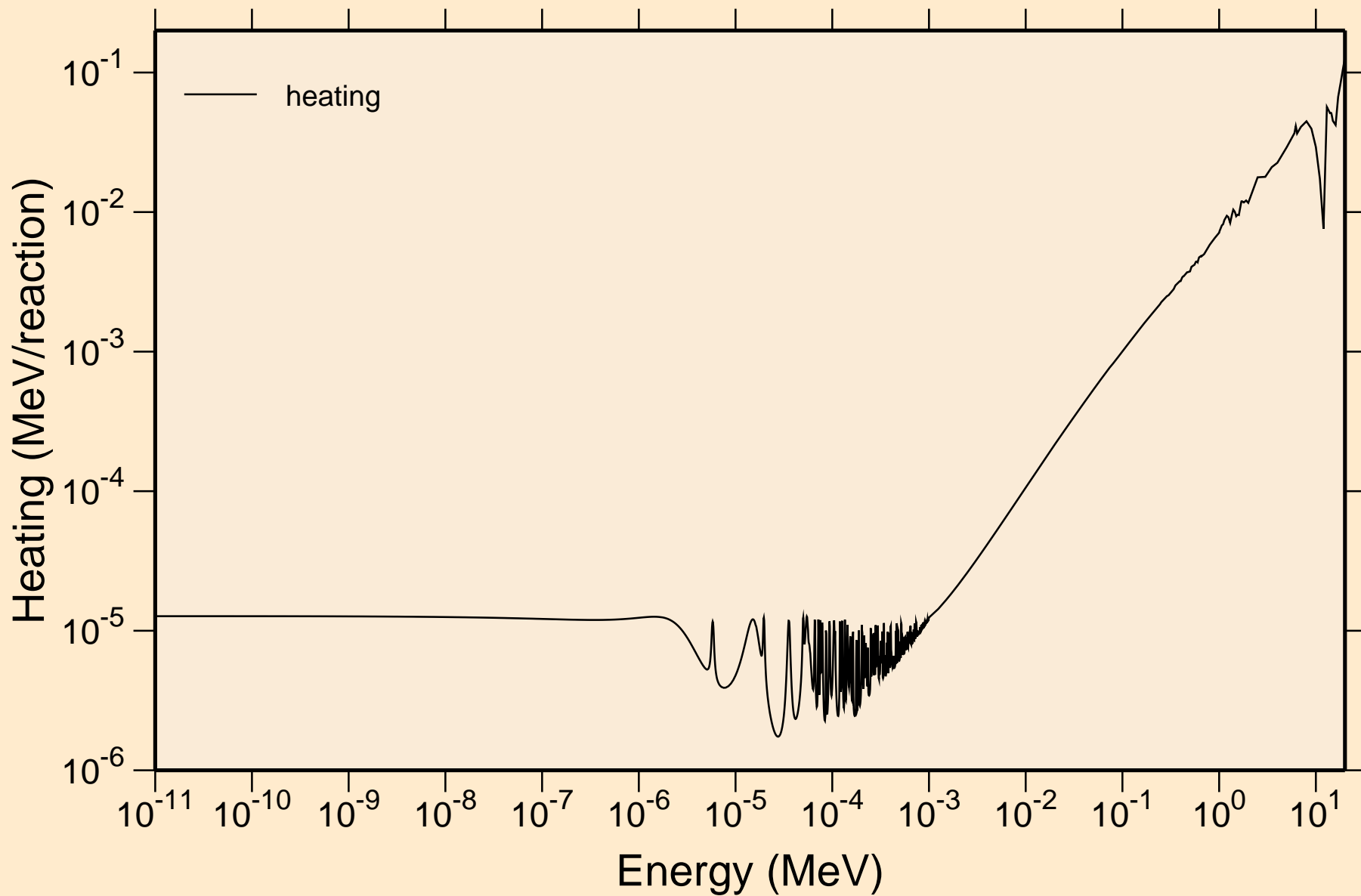MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
UR total cross section

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
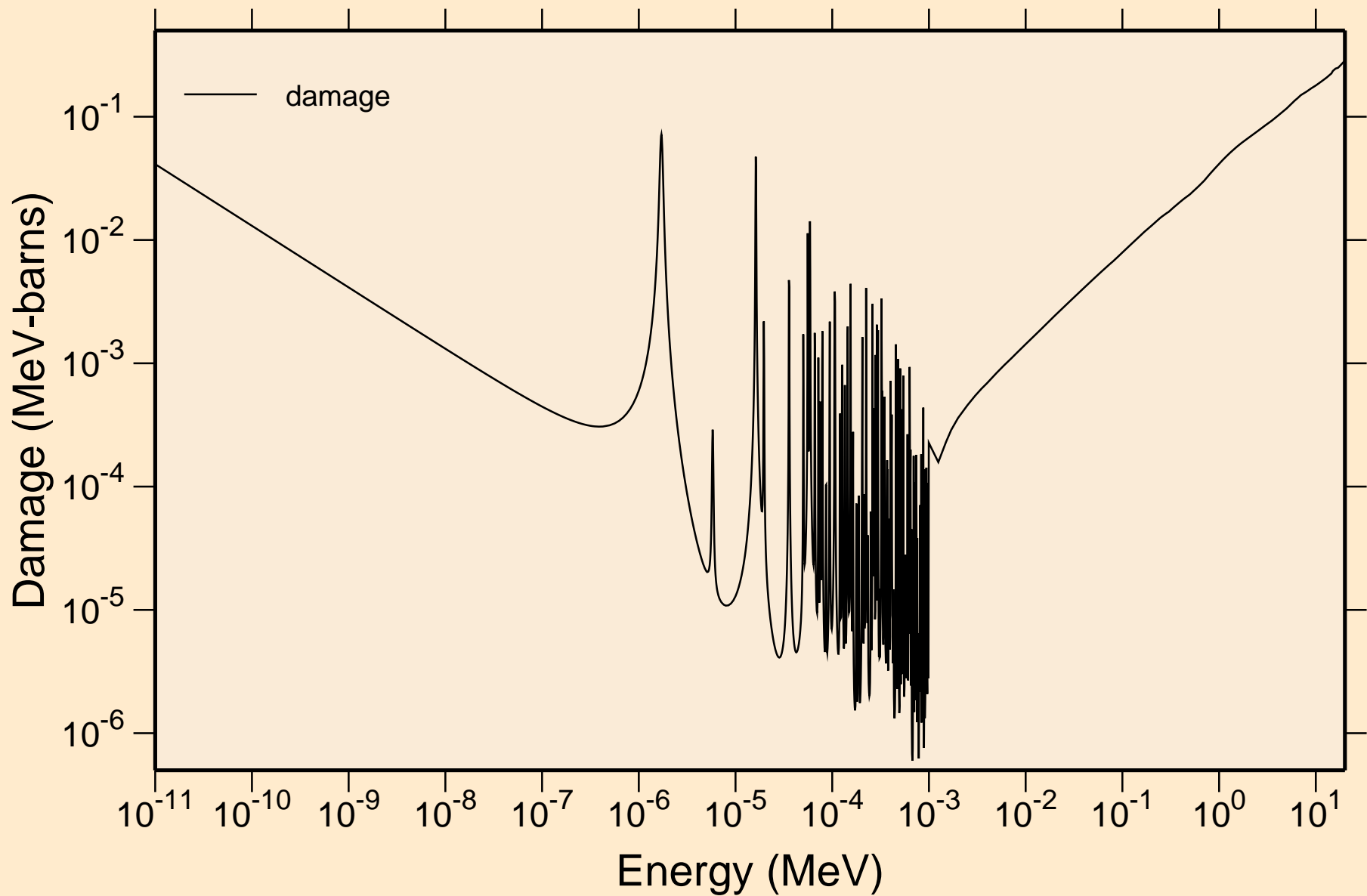UR elastic cross section

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
UR capture cross section

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Heating

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Damage

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Non-threshold reactions

(n,gma)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
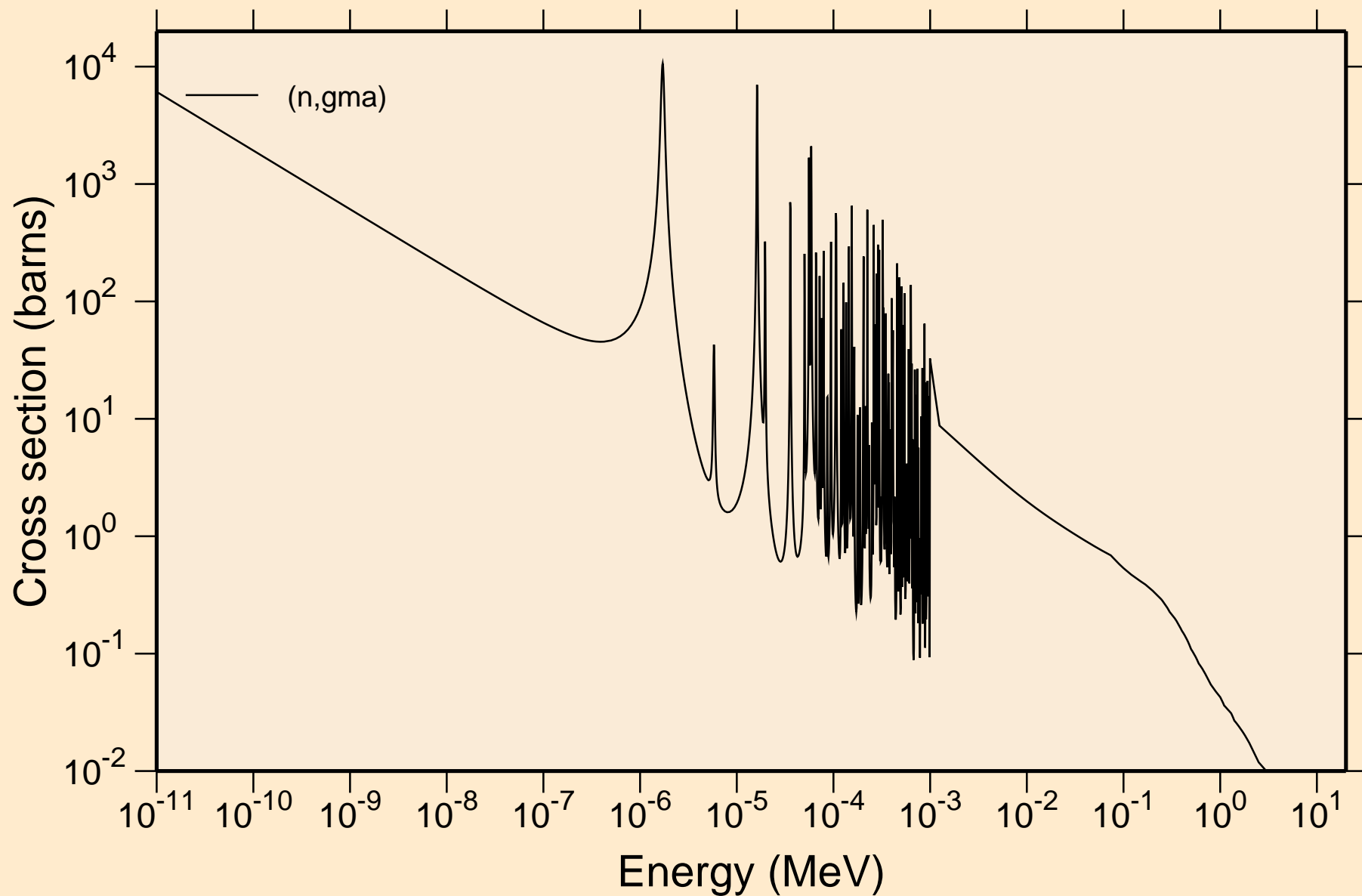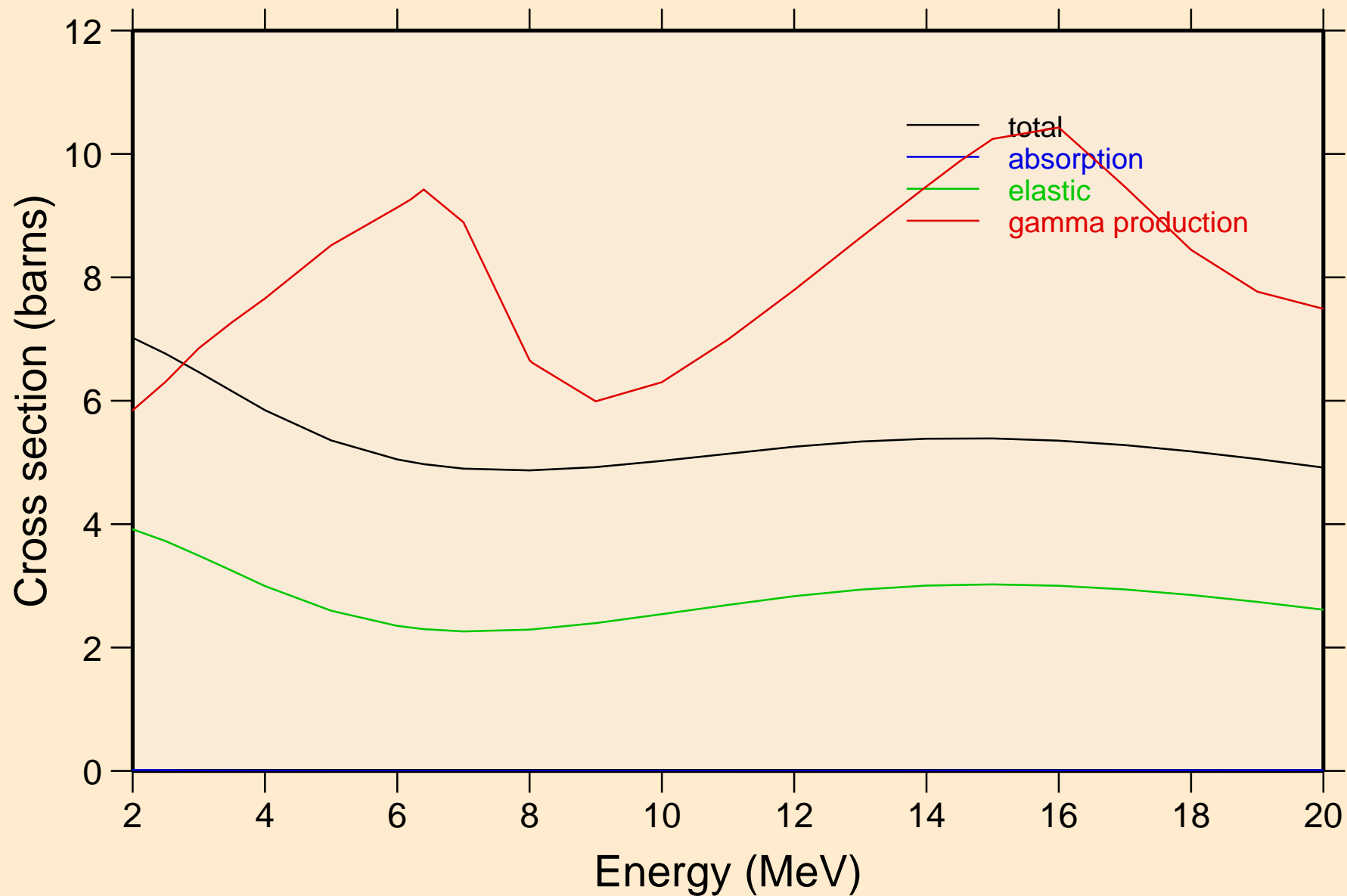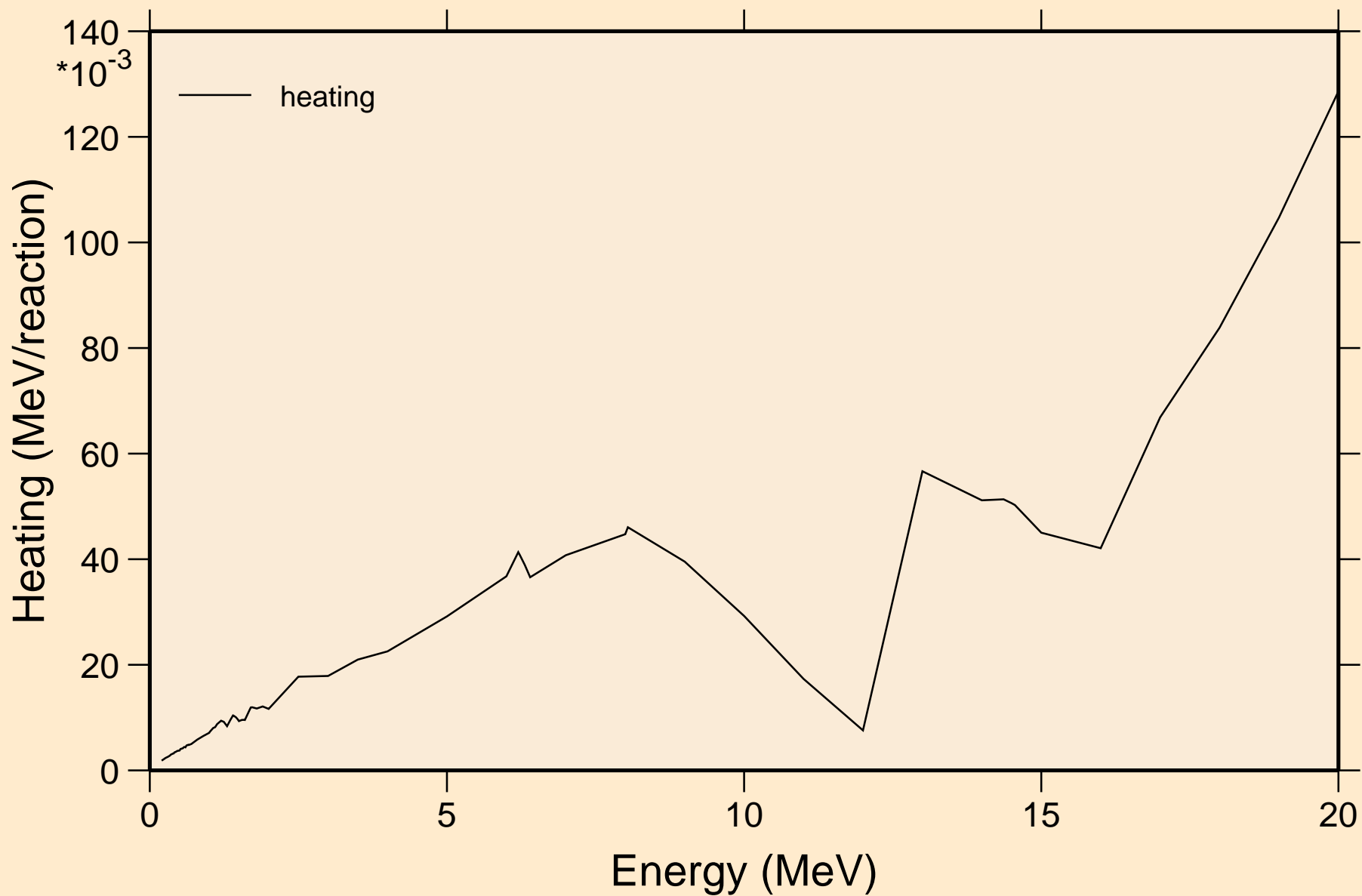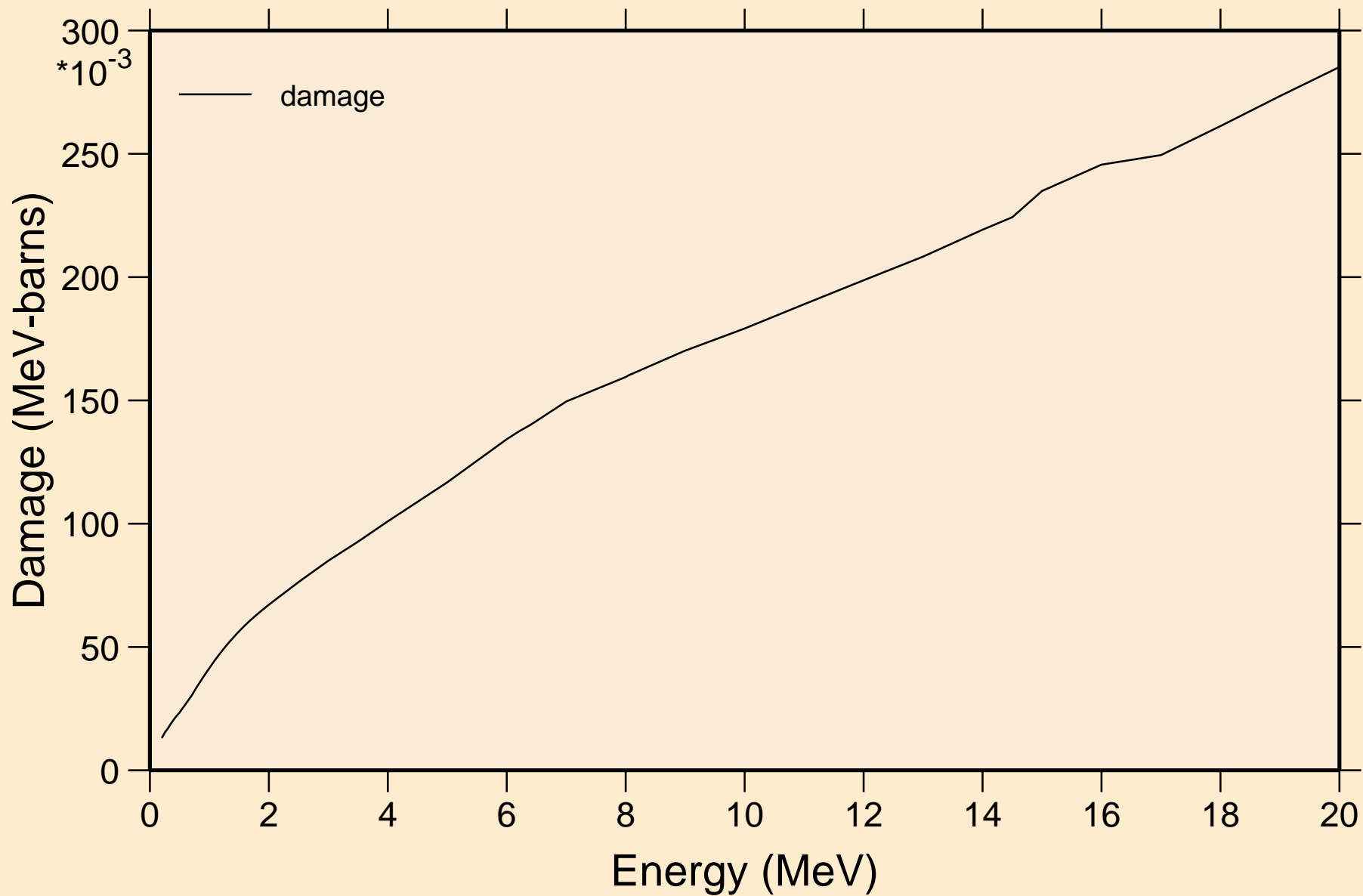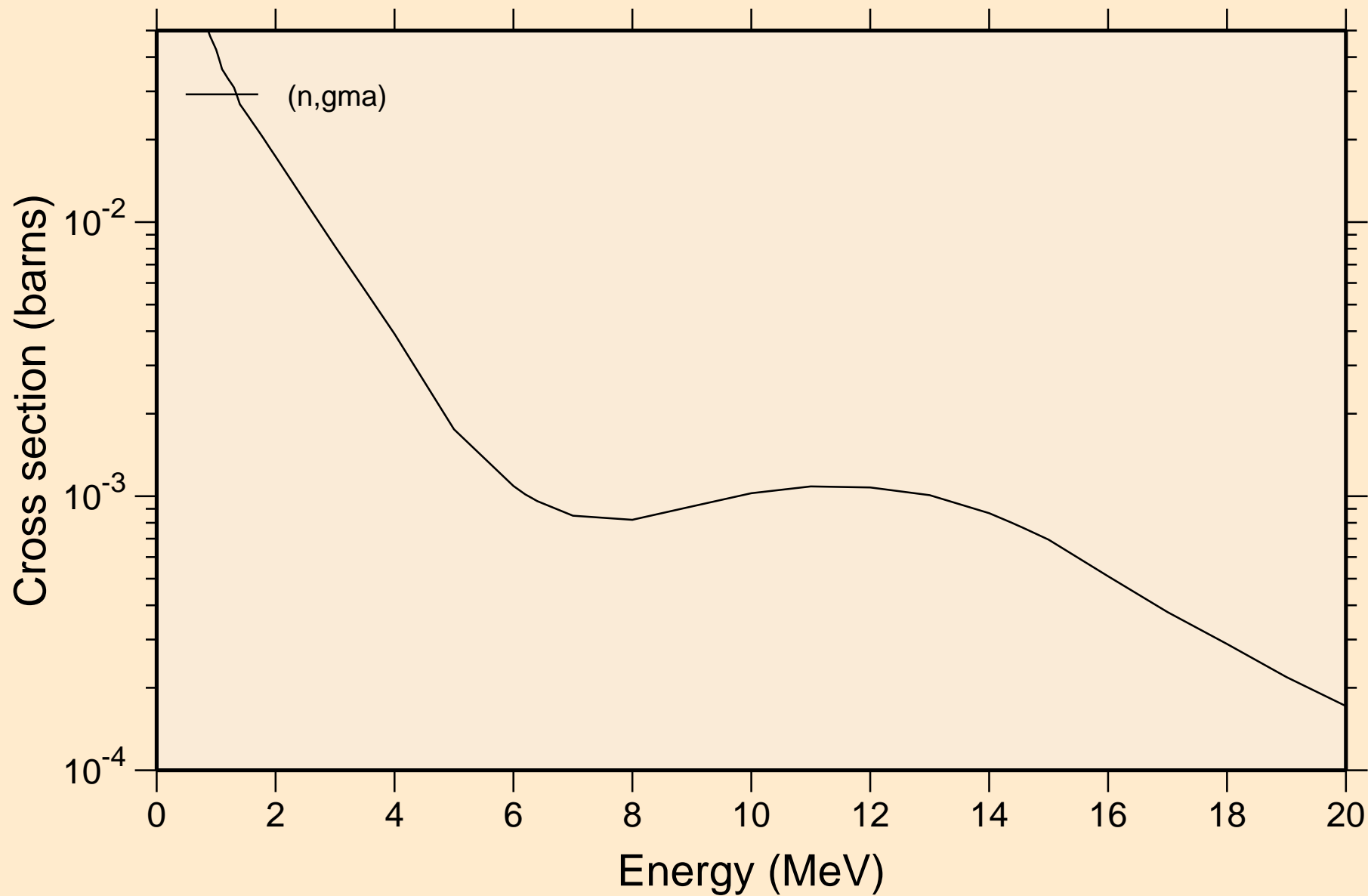Principal cross sections

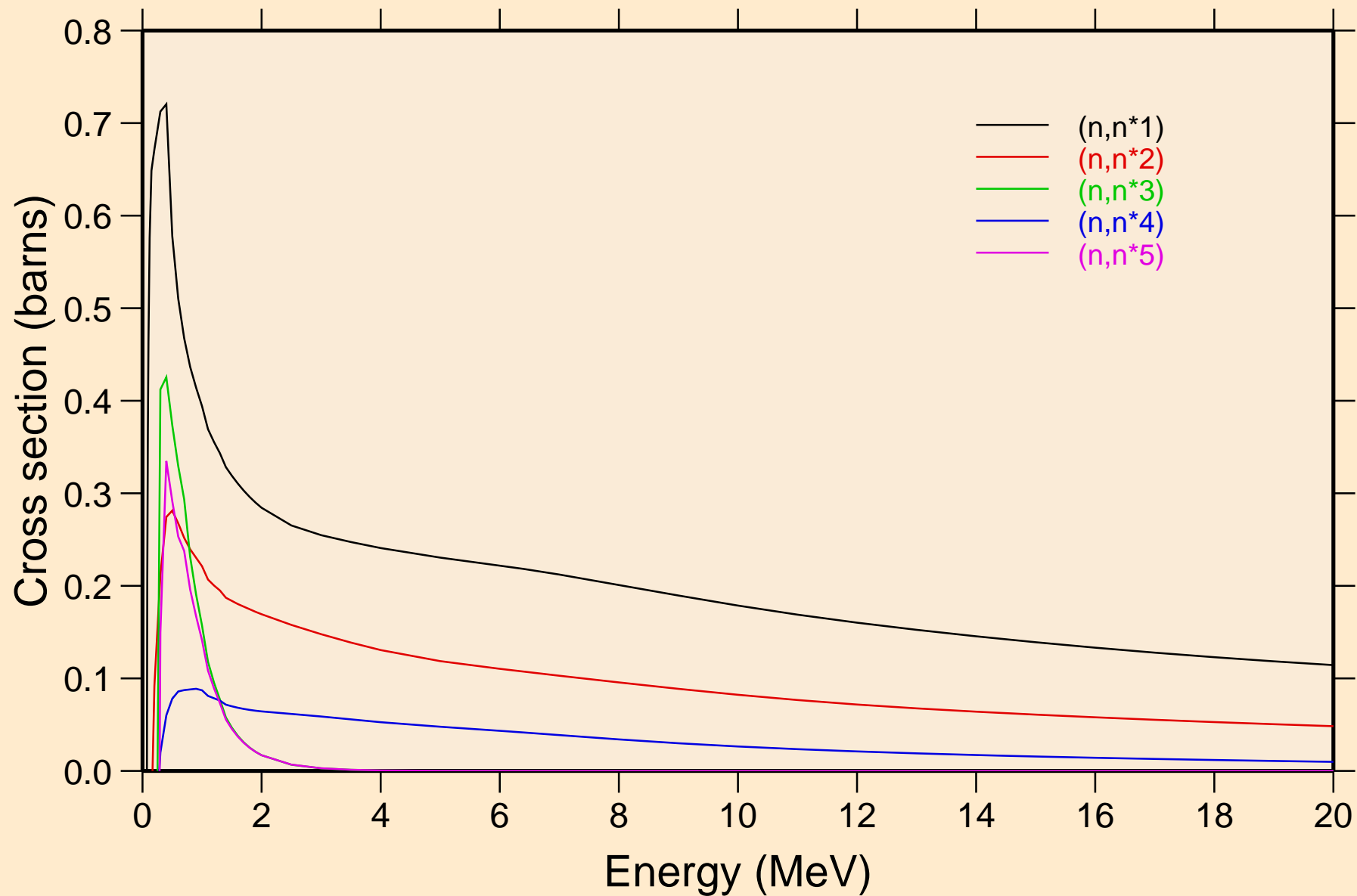MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Heating
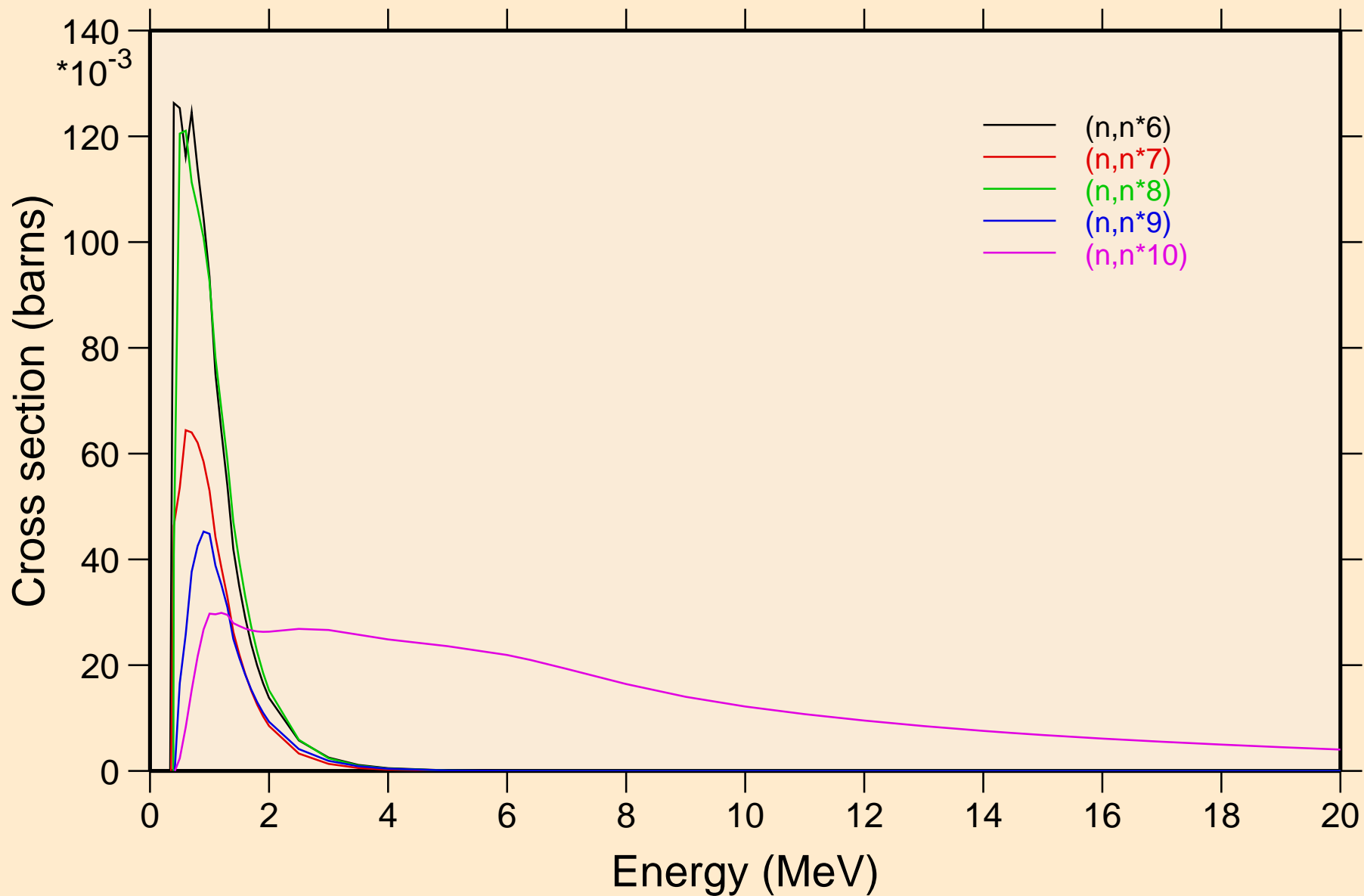
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Damage

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Non-threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Inelastic levels

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Inelastic levels

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Inelastic levels
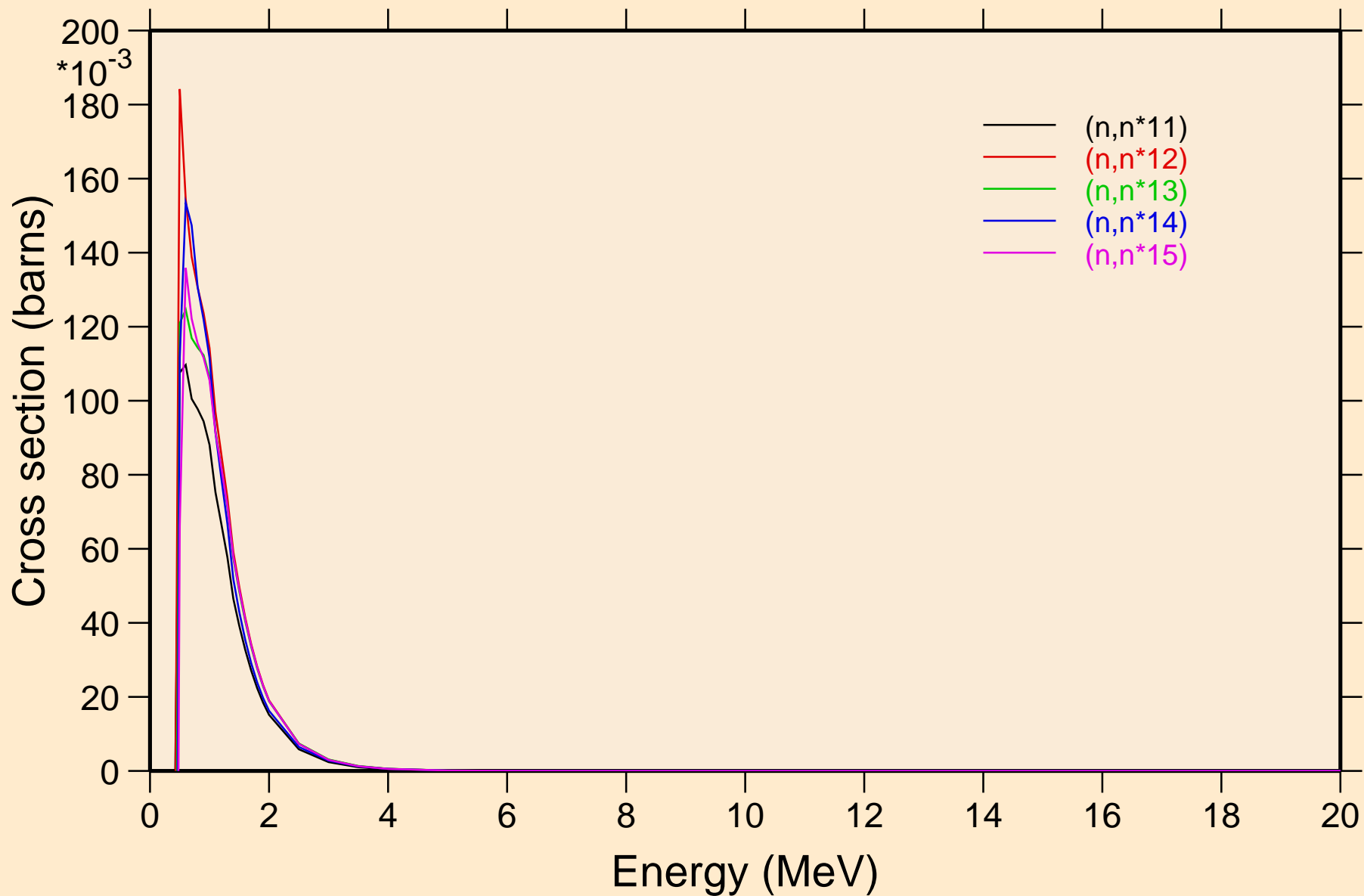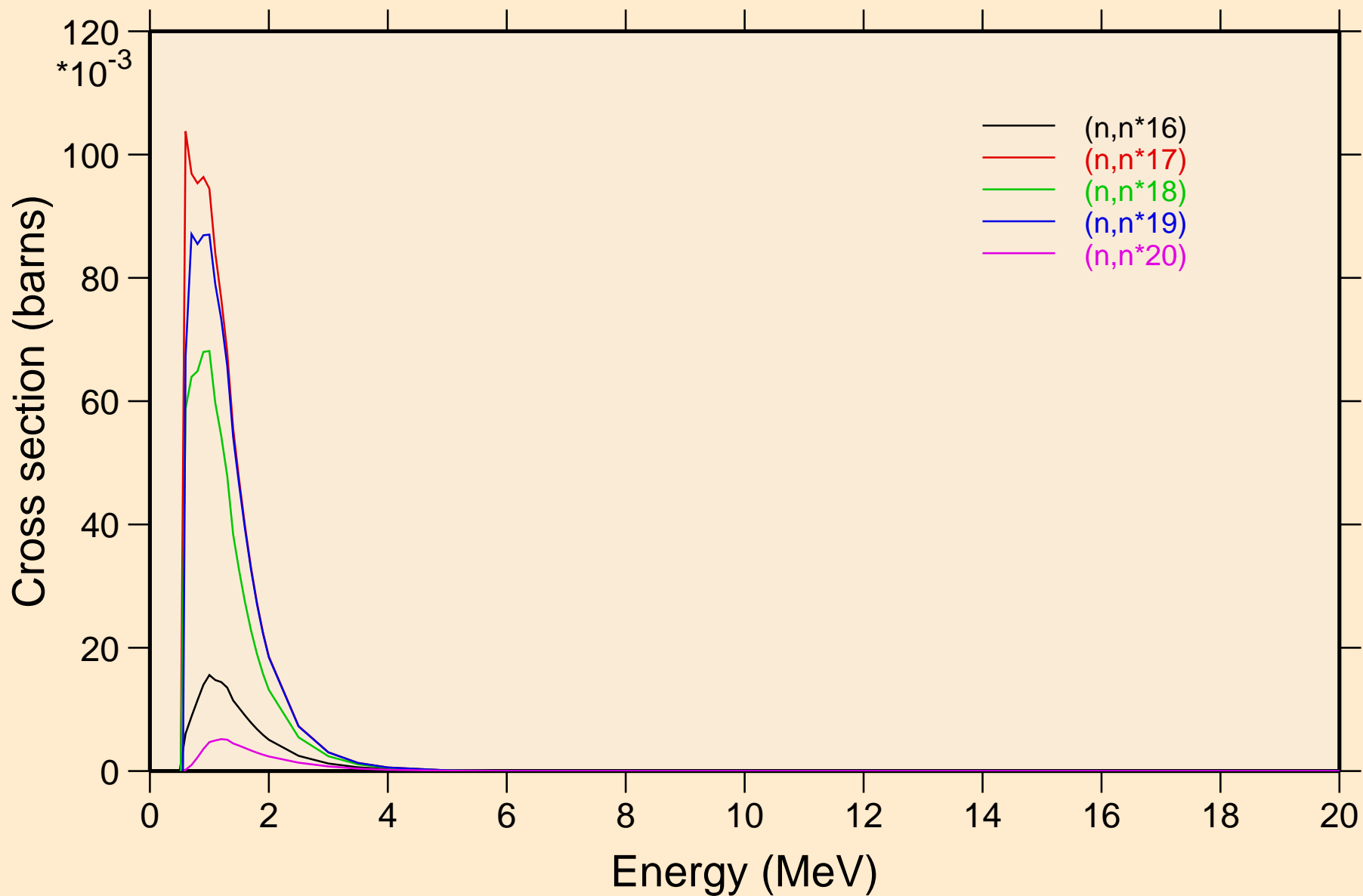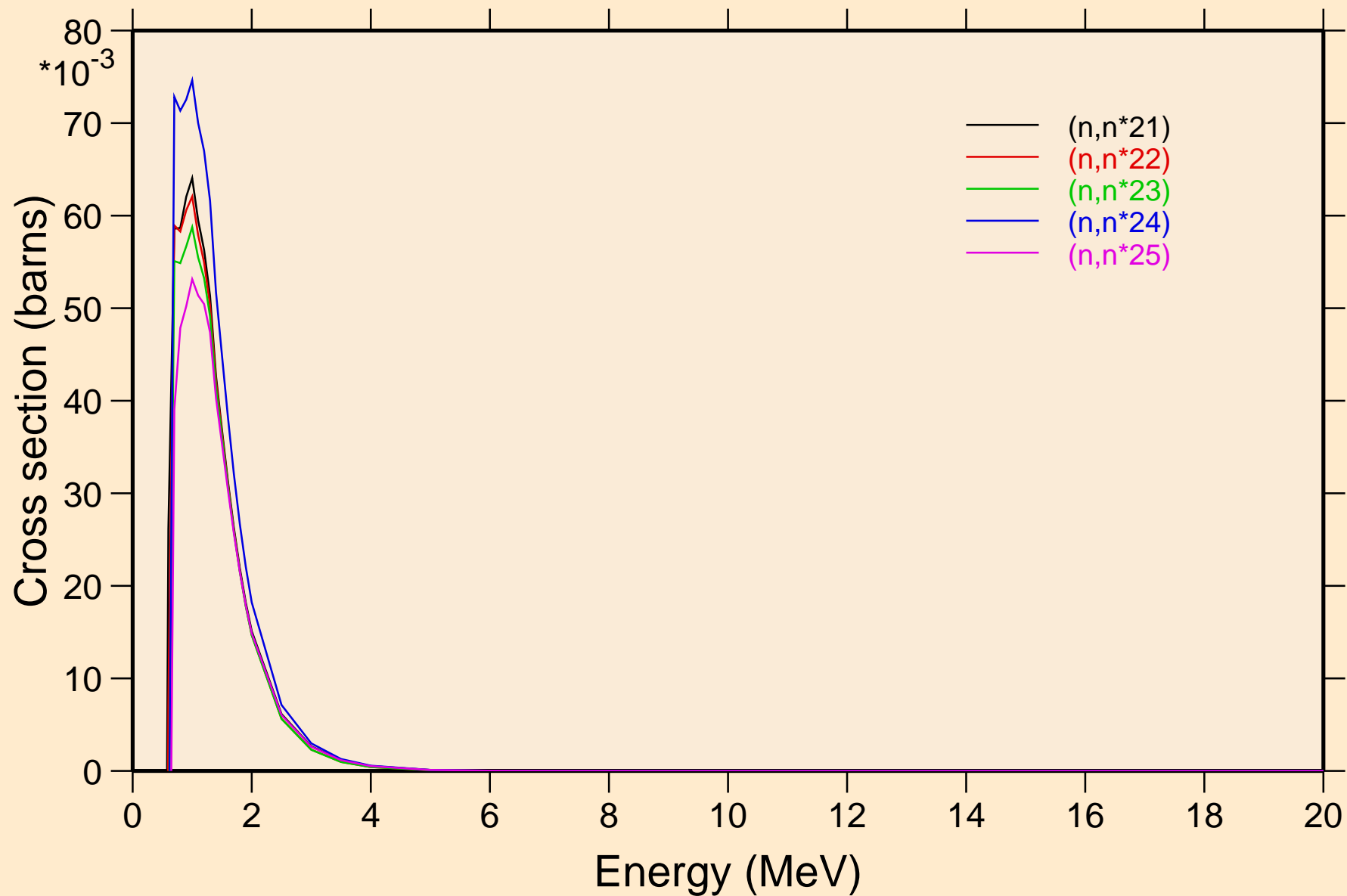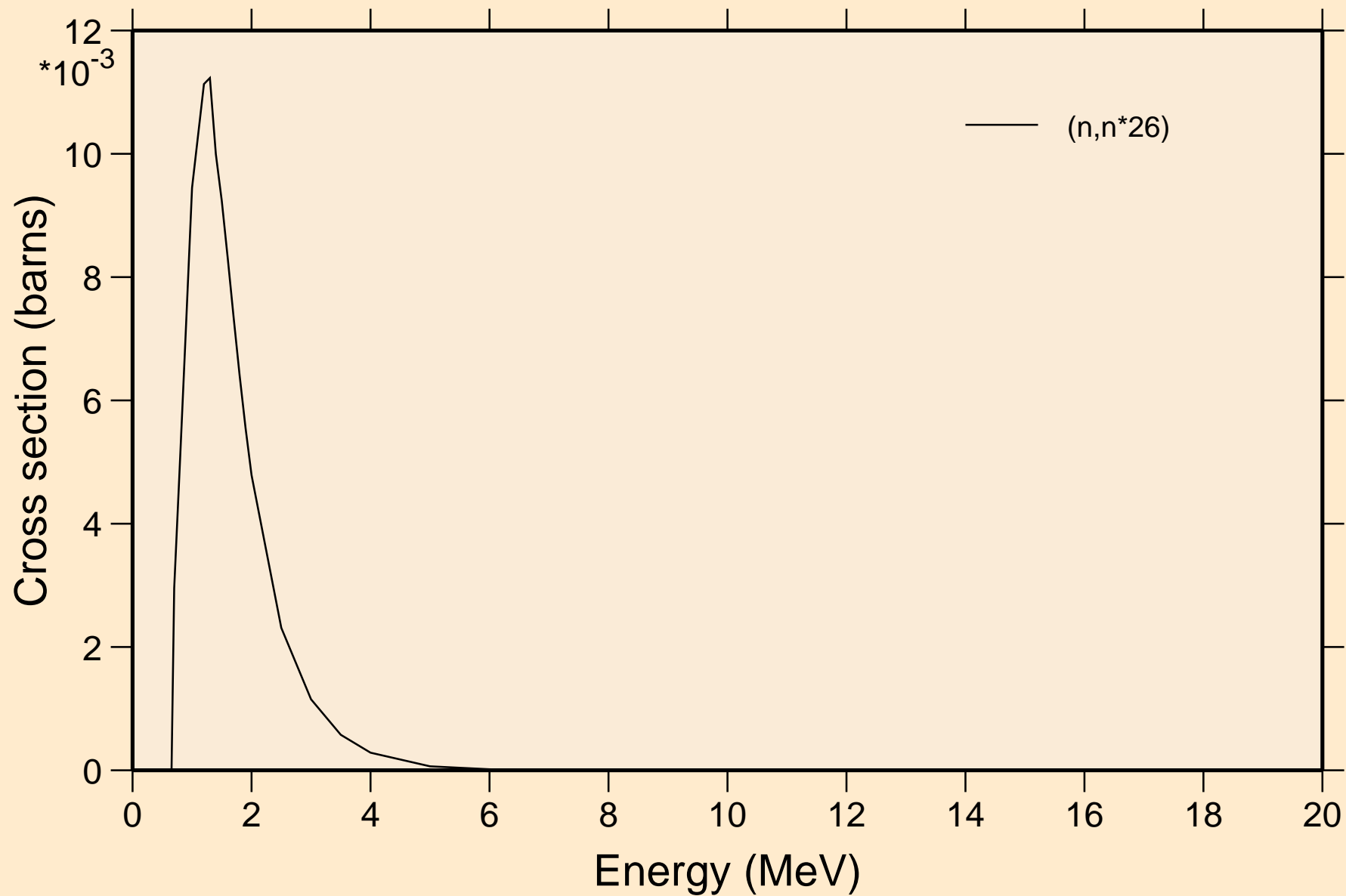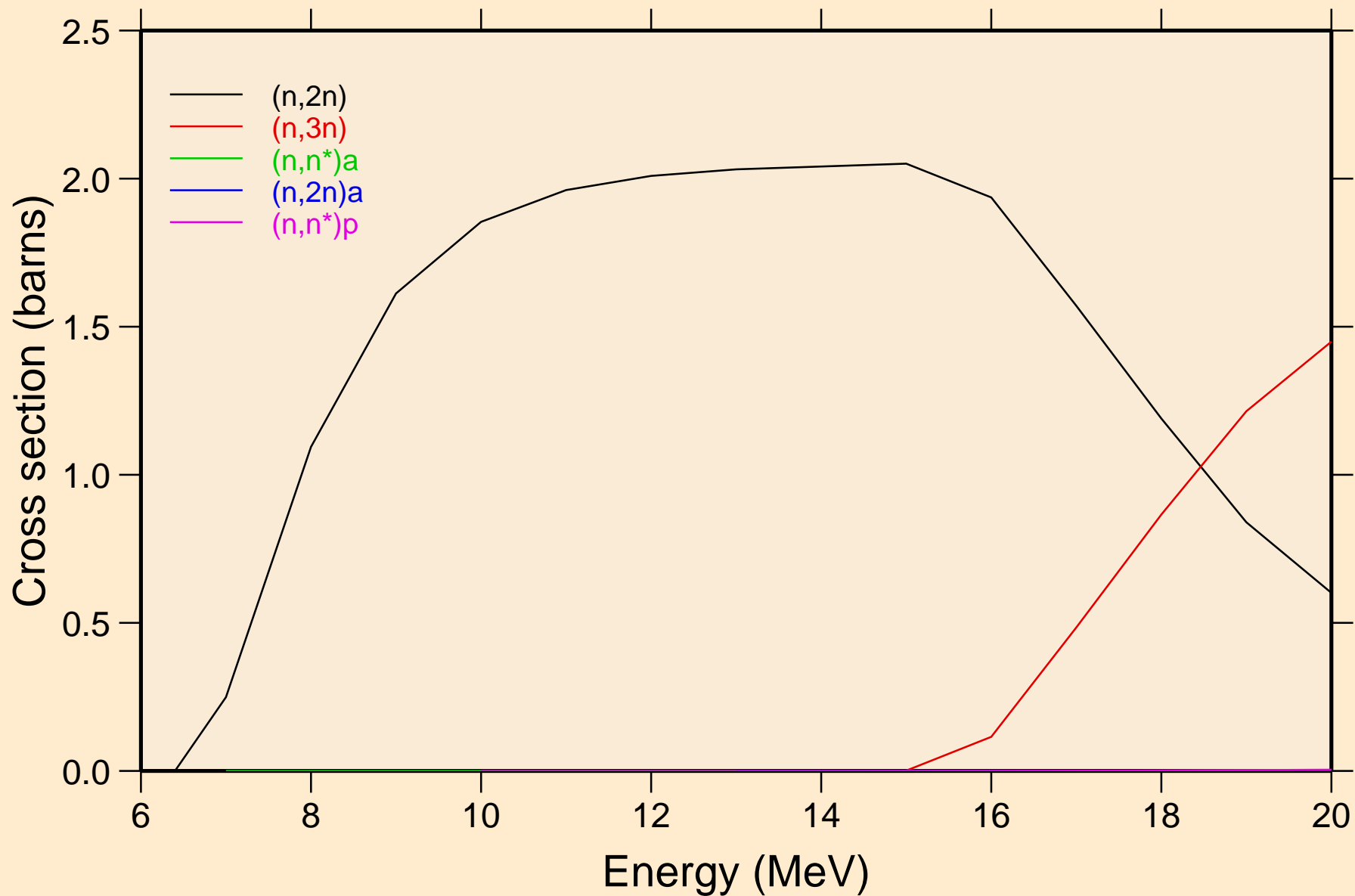
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Inelastic levels

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Inelastic levels

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
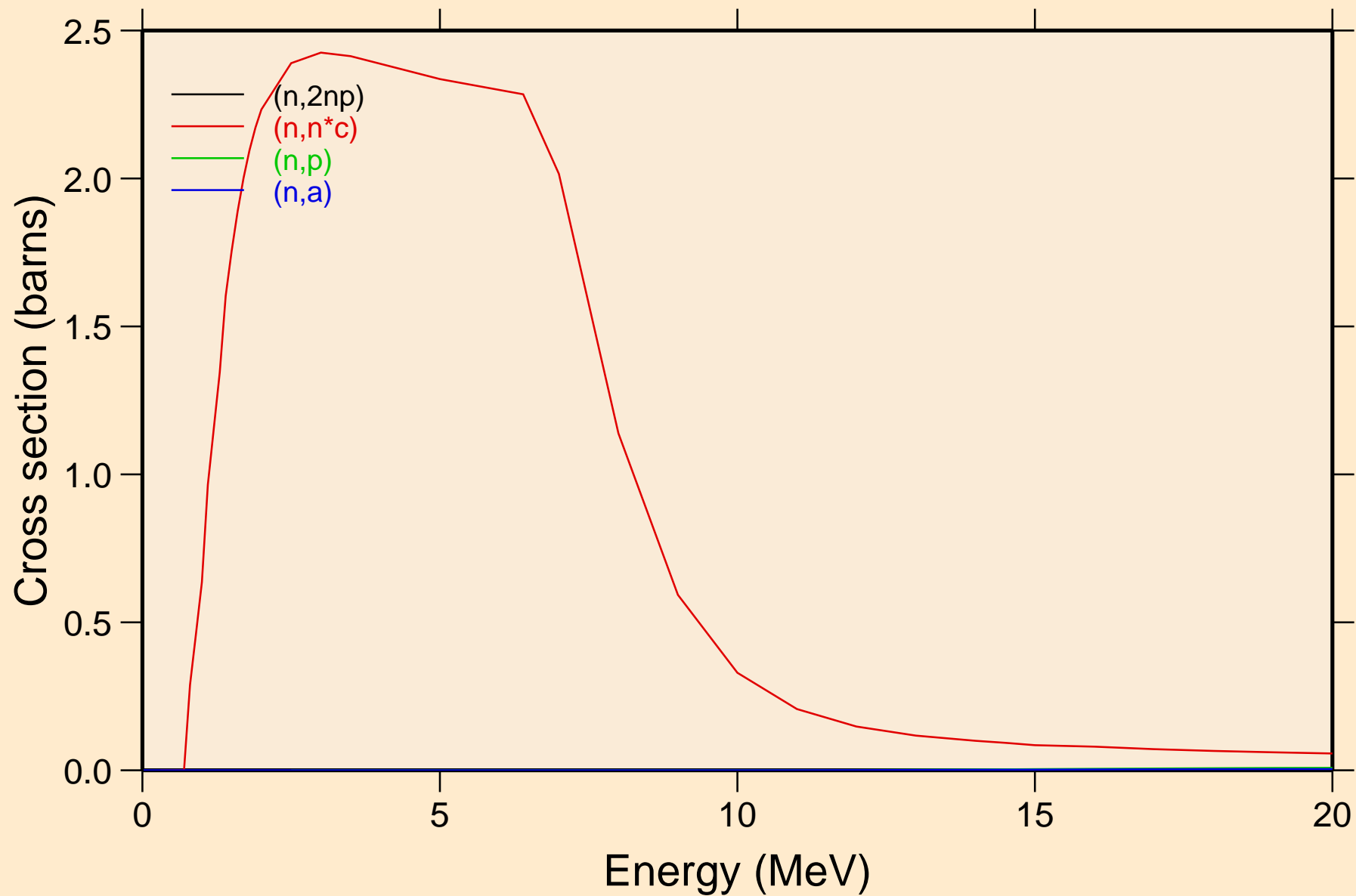Inelastic levels

(n,n*26)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Threshold reactions

Legend:
- (n,2np)
- (n,n*c)
- (n,p)
- (n,a)

X-axis: Energy (MeV)
Y-axis: Cross section (barns)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
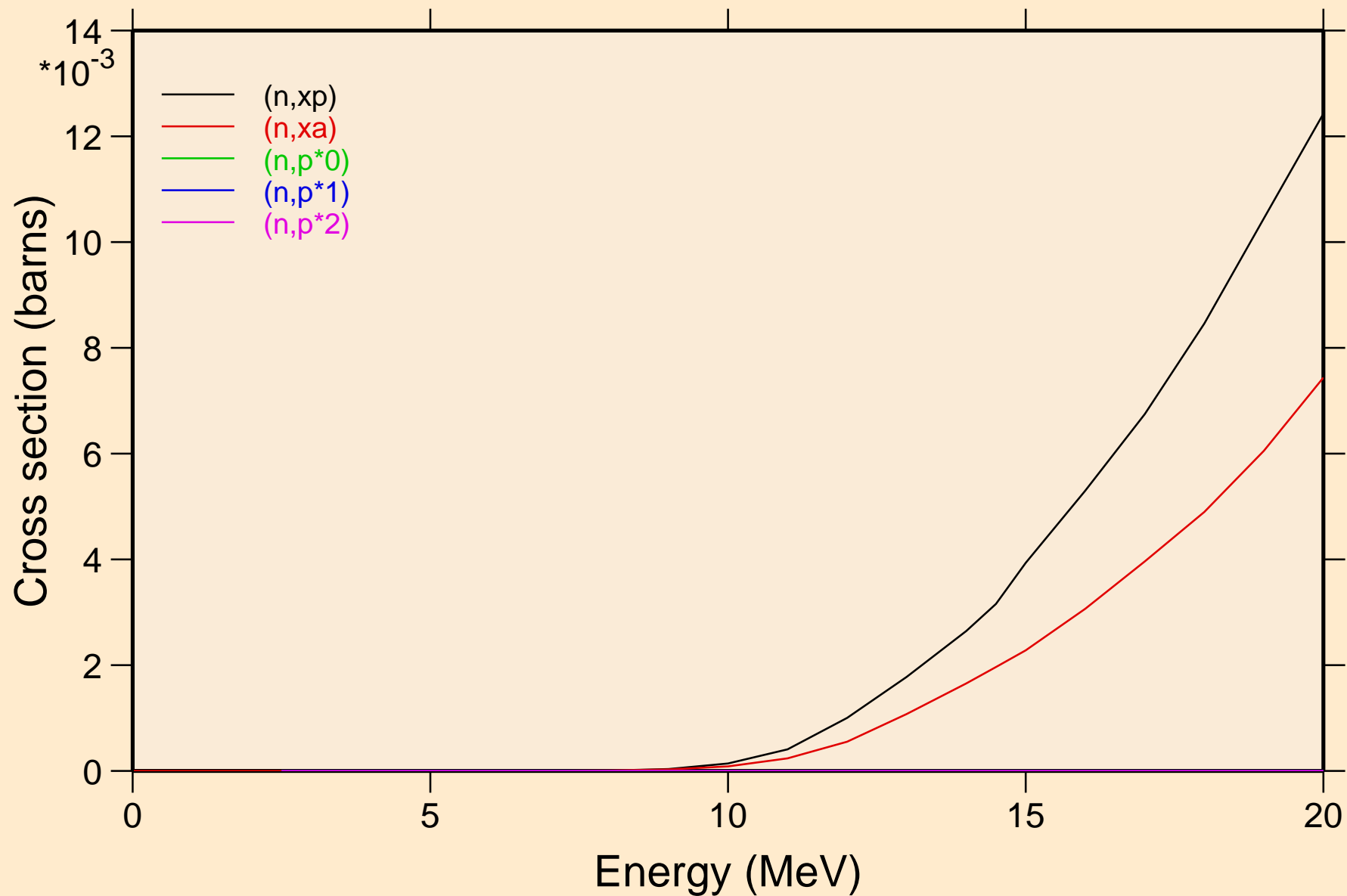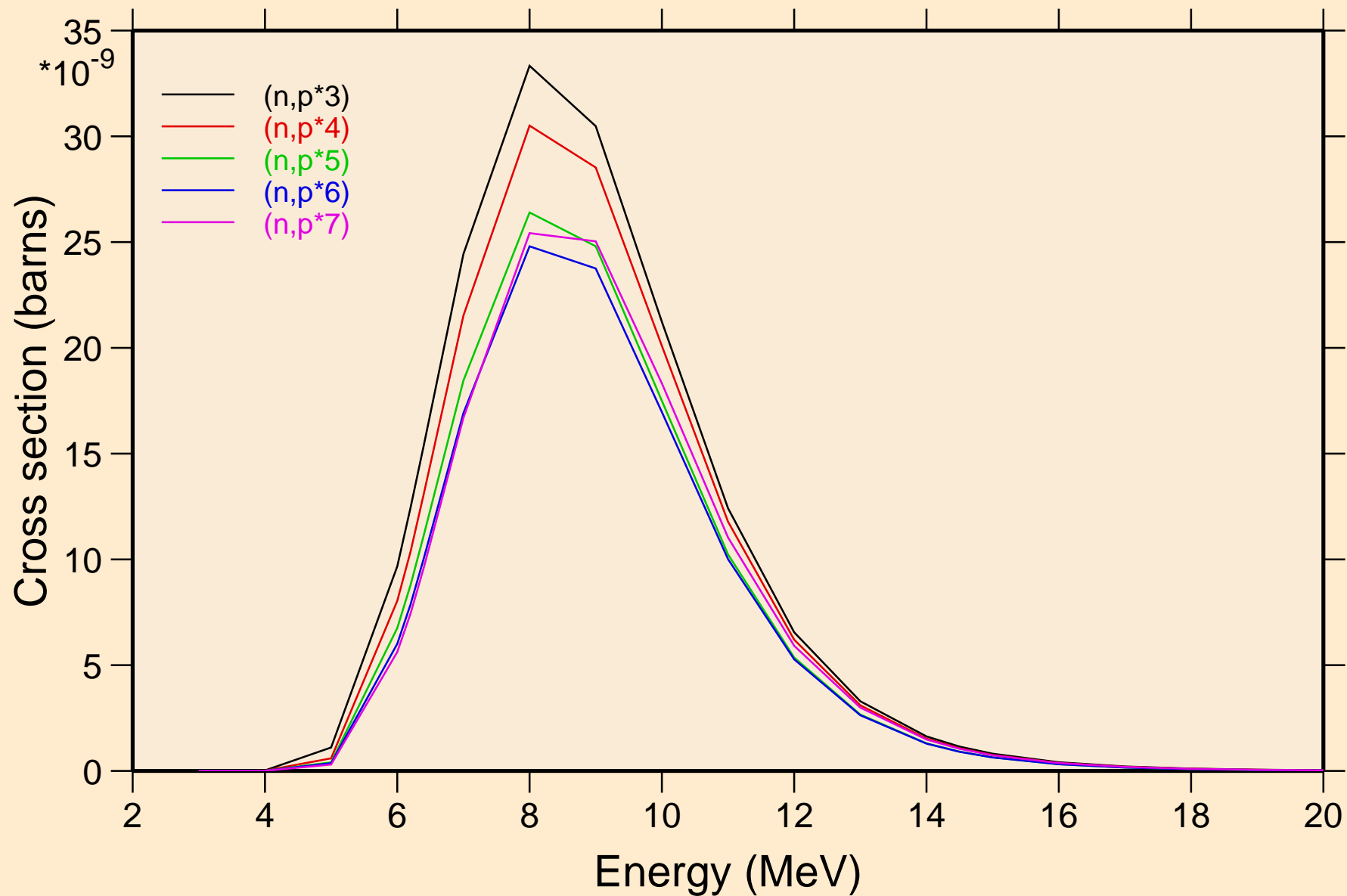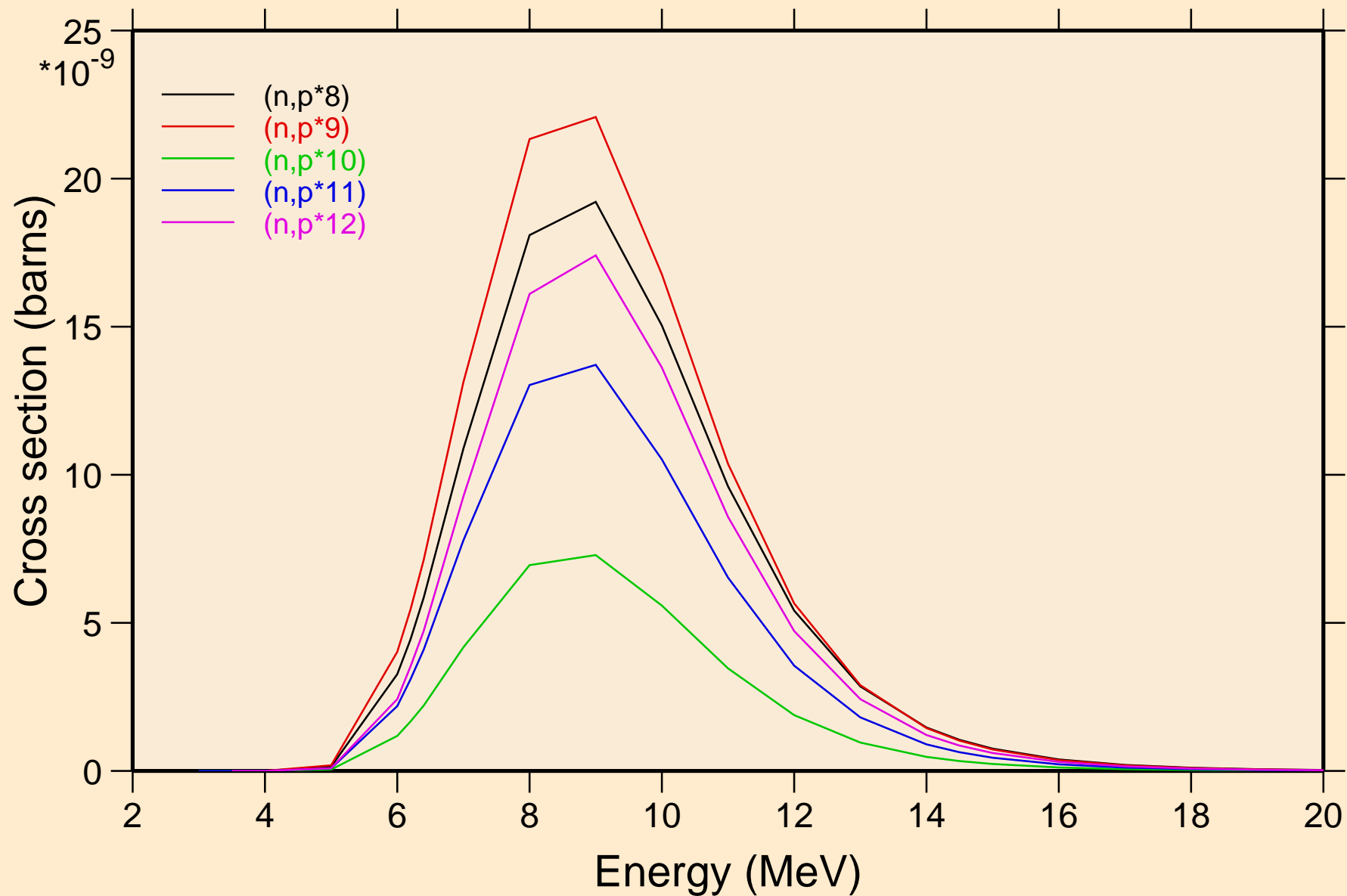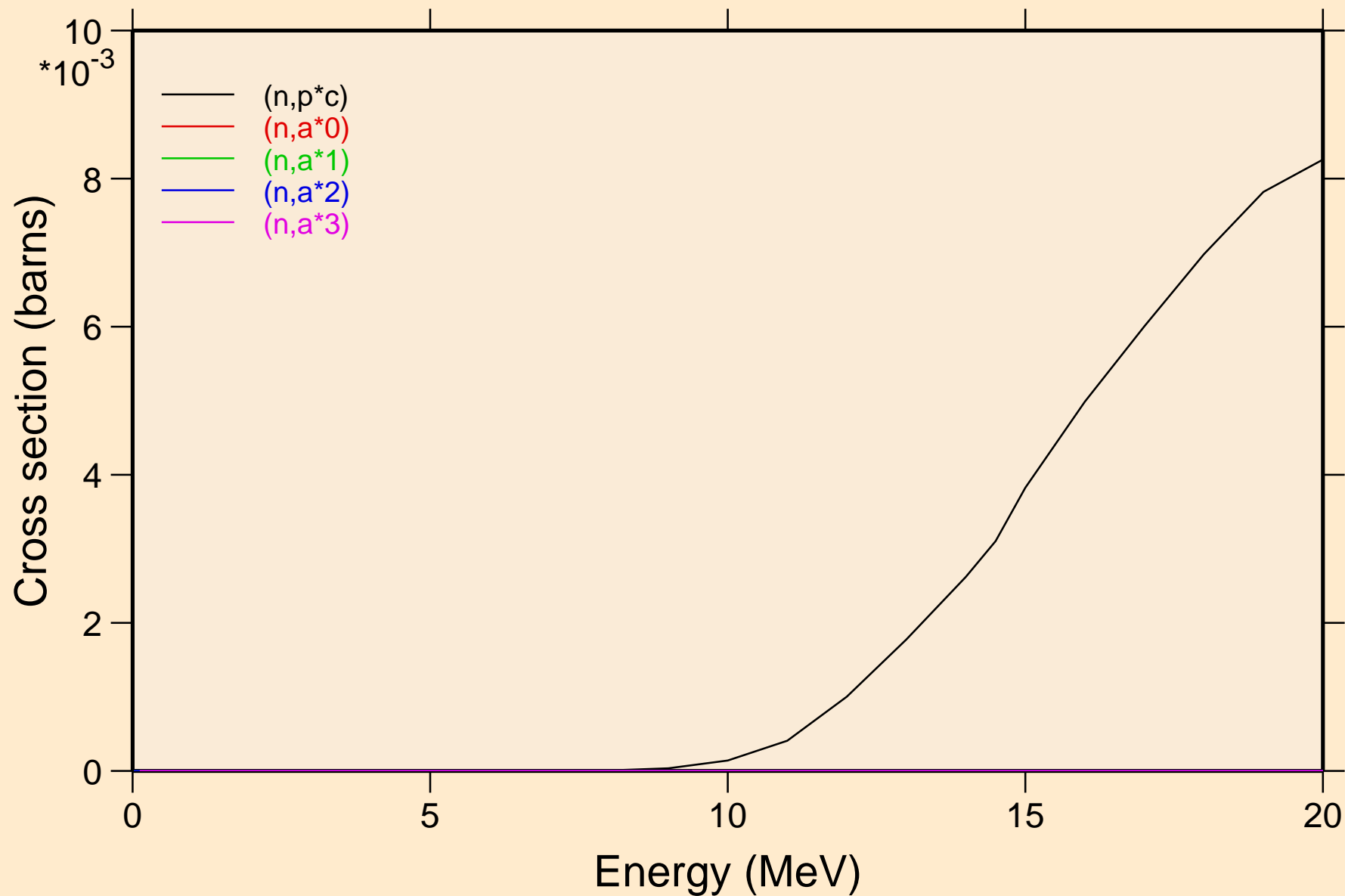Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
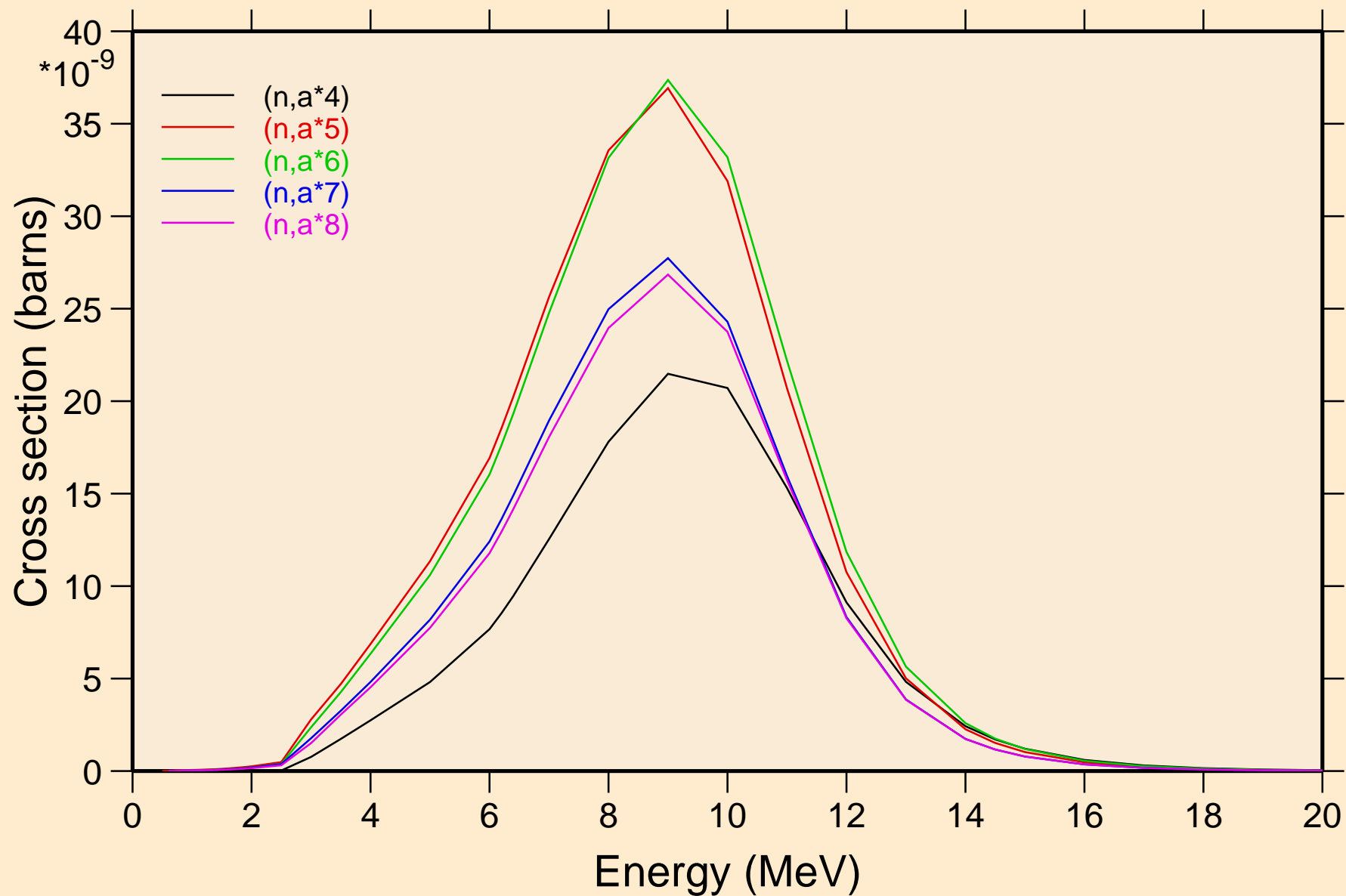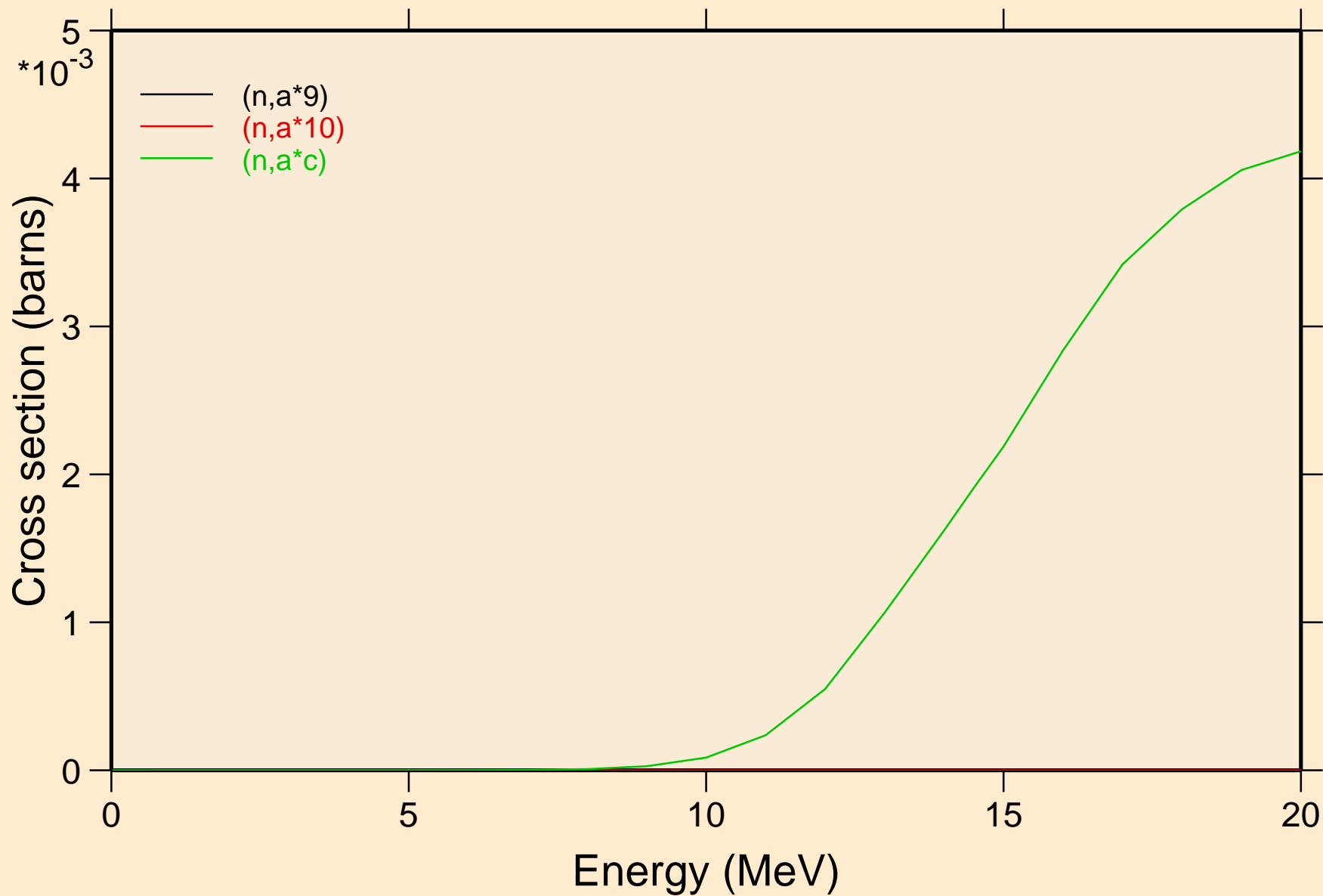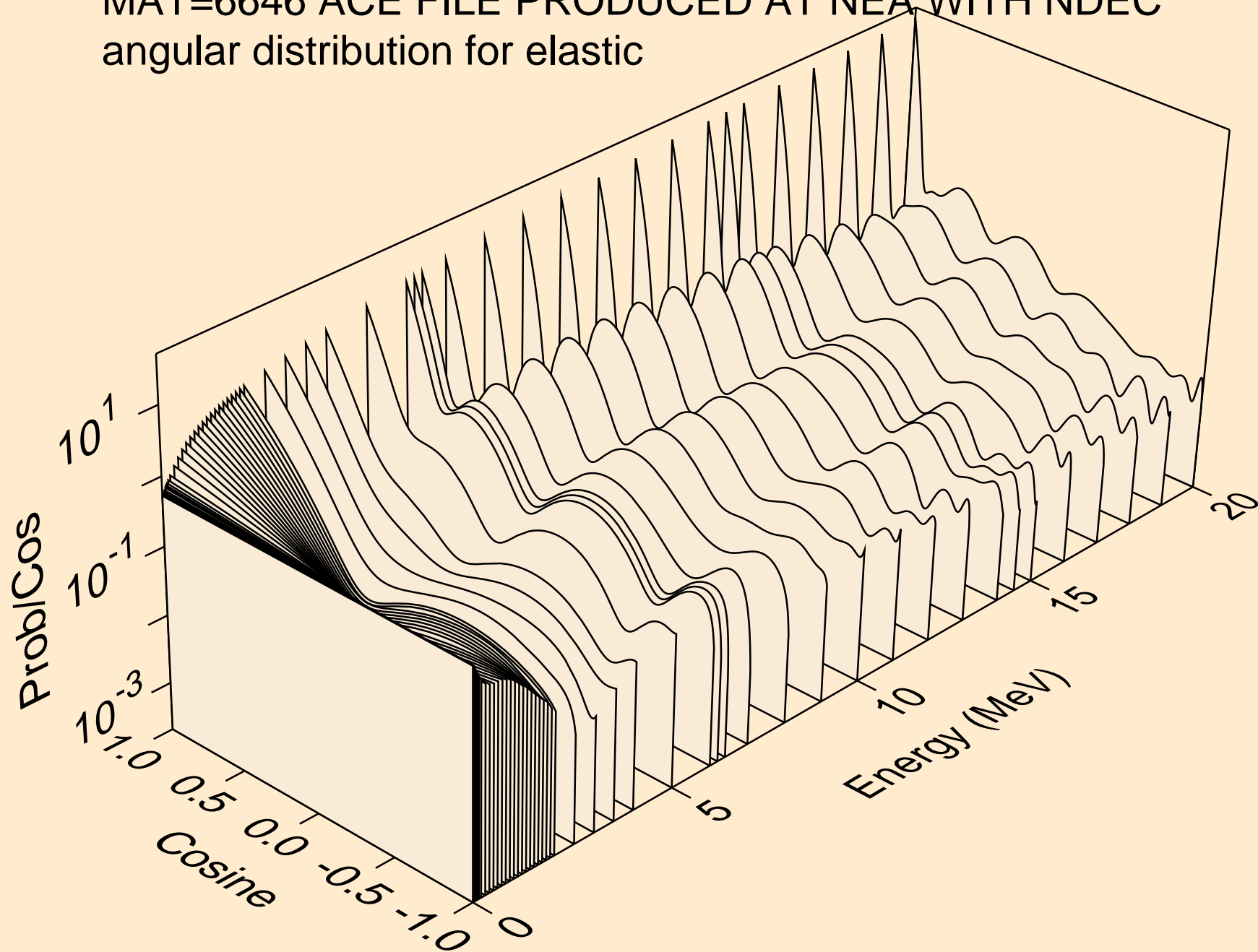Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
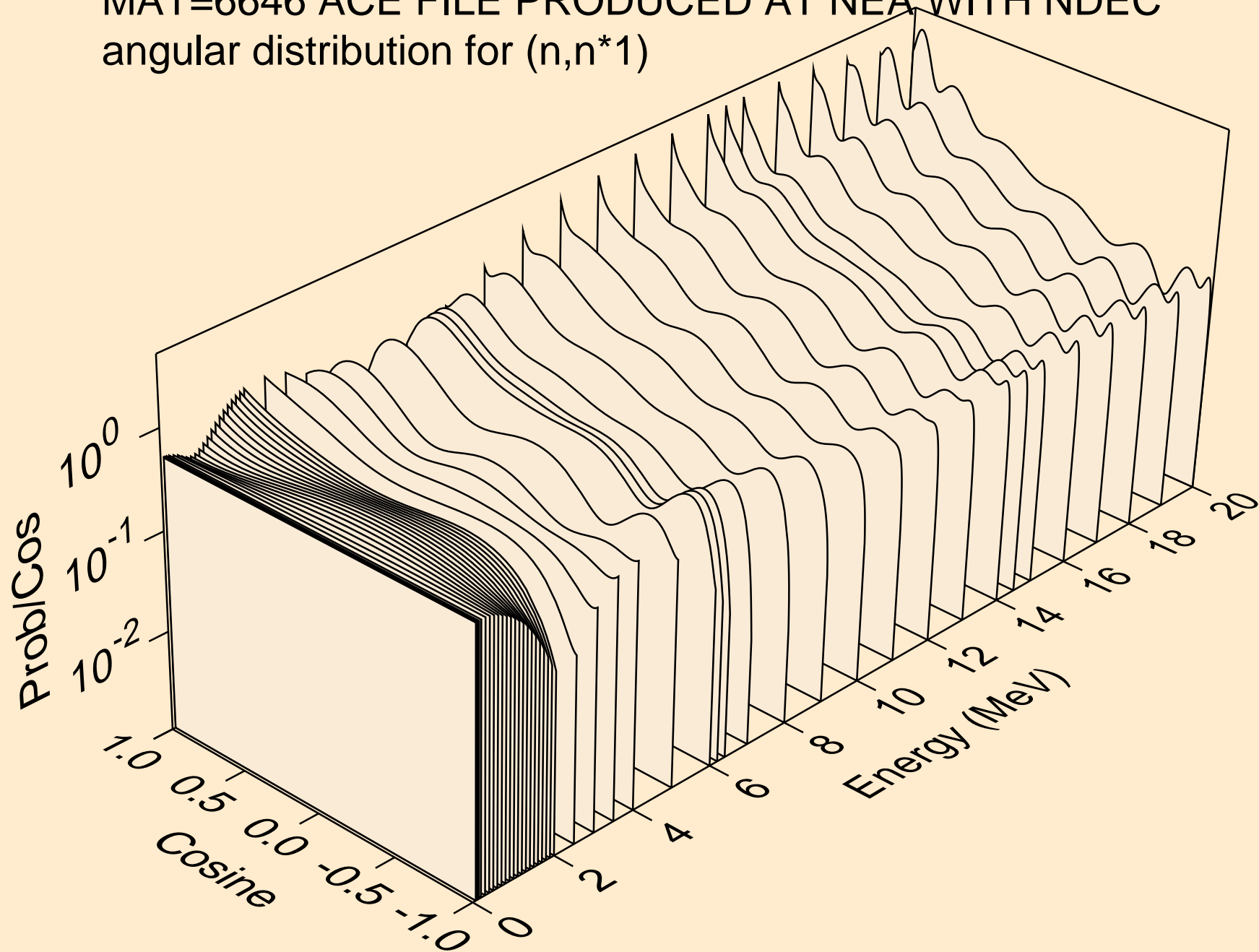Threshold reactions

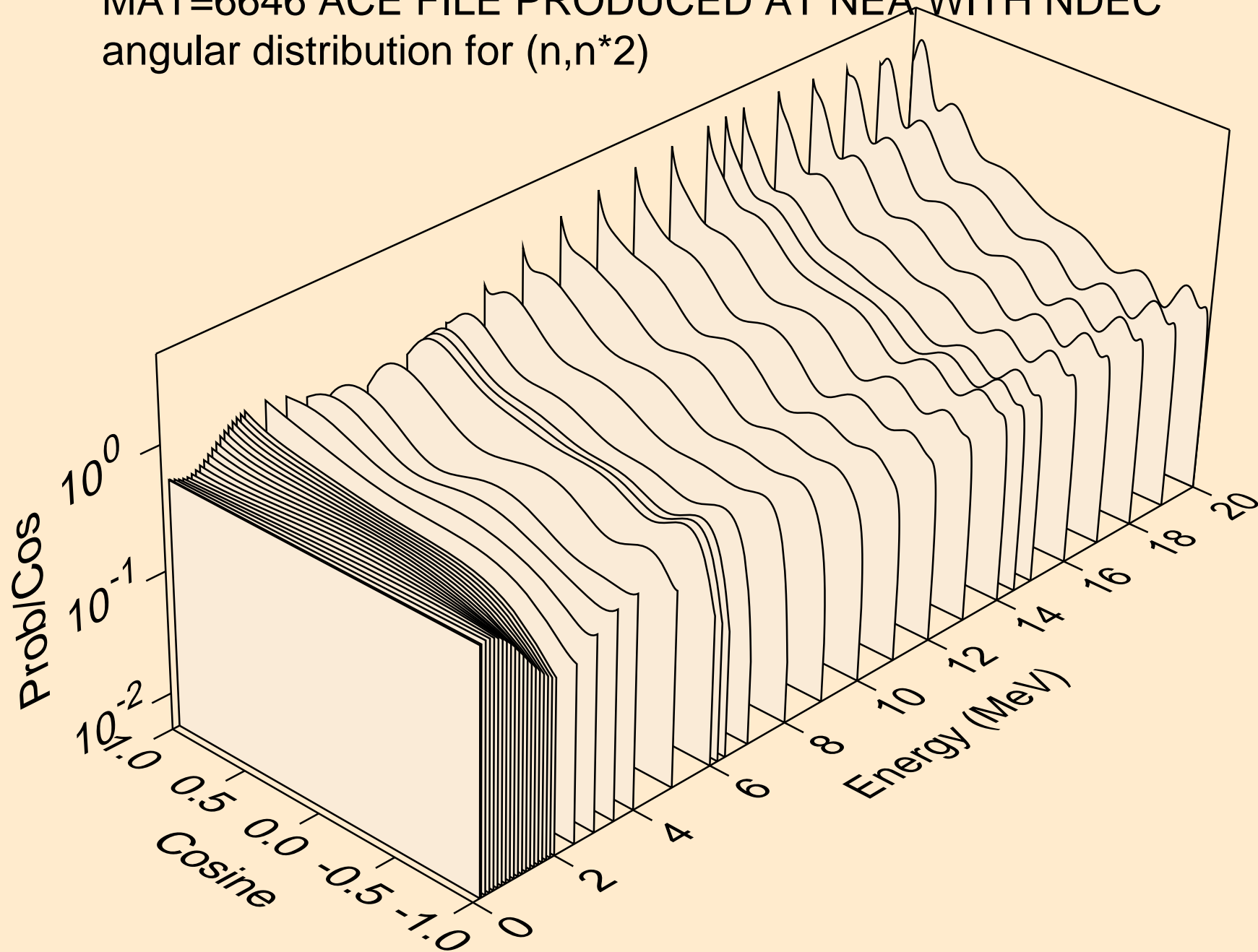MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Threshold reactions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for elastic

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*1)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*2)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*3)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*4)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
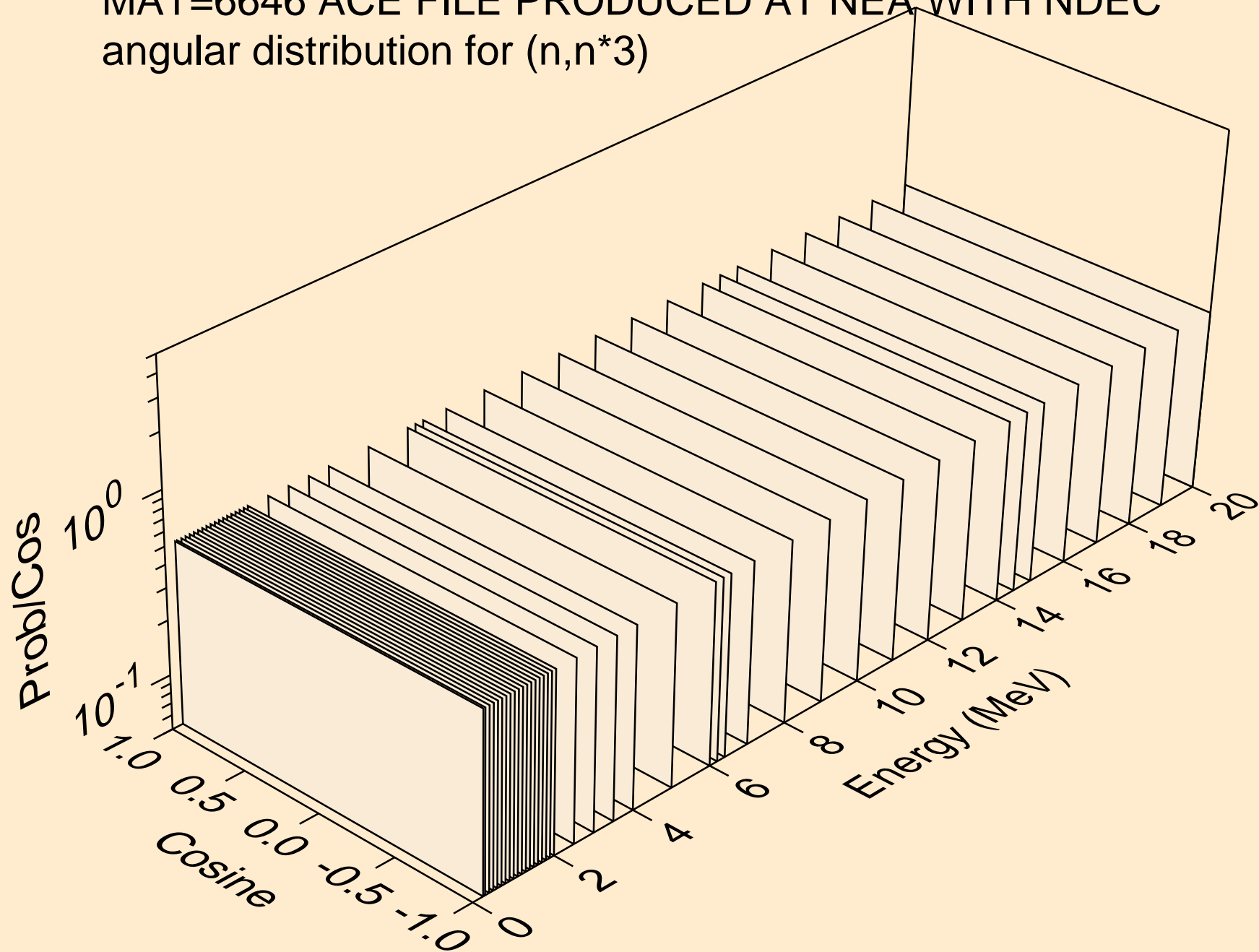angular distribution for (n,n*5)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
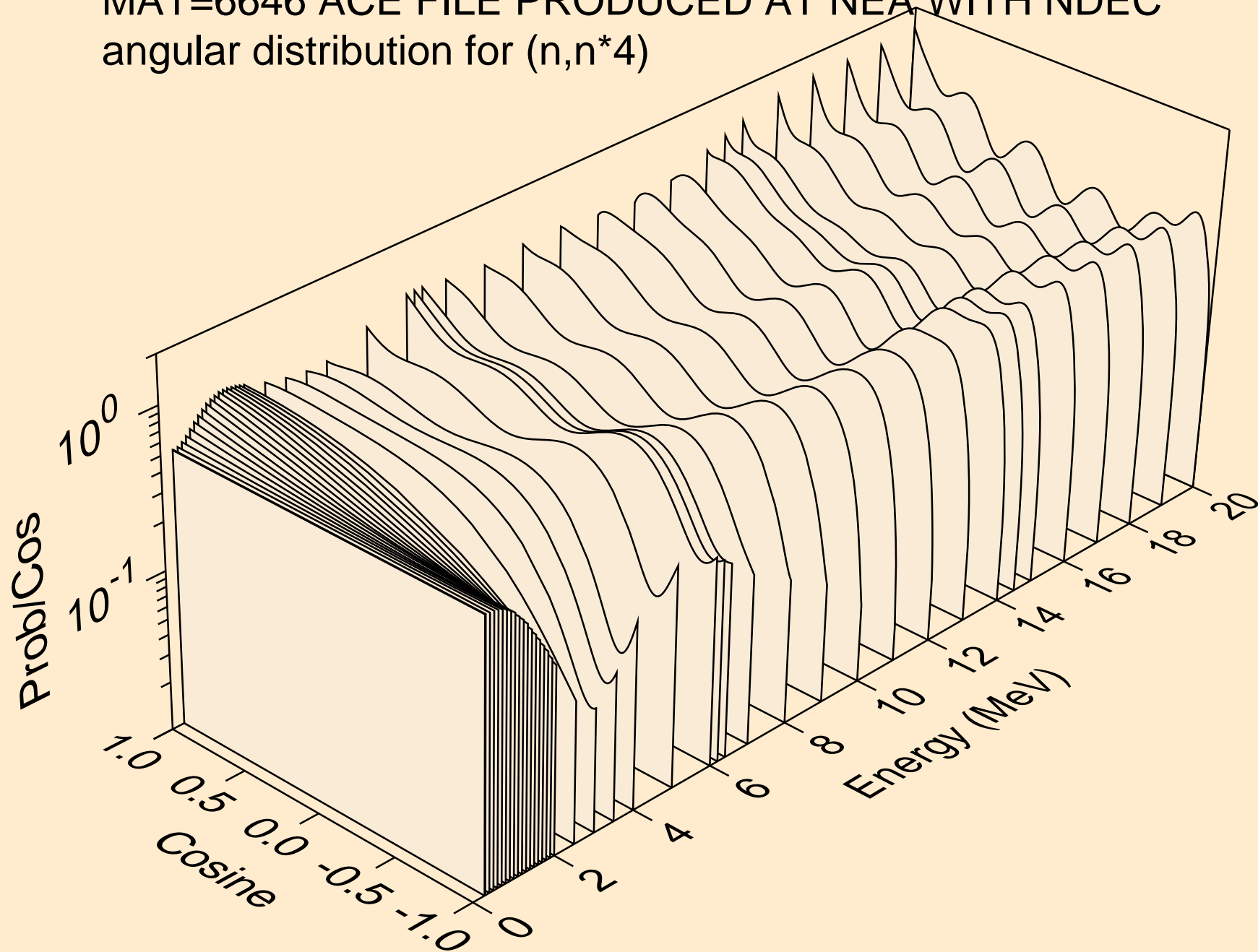angular distribution for (n,n*6)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
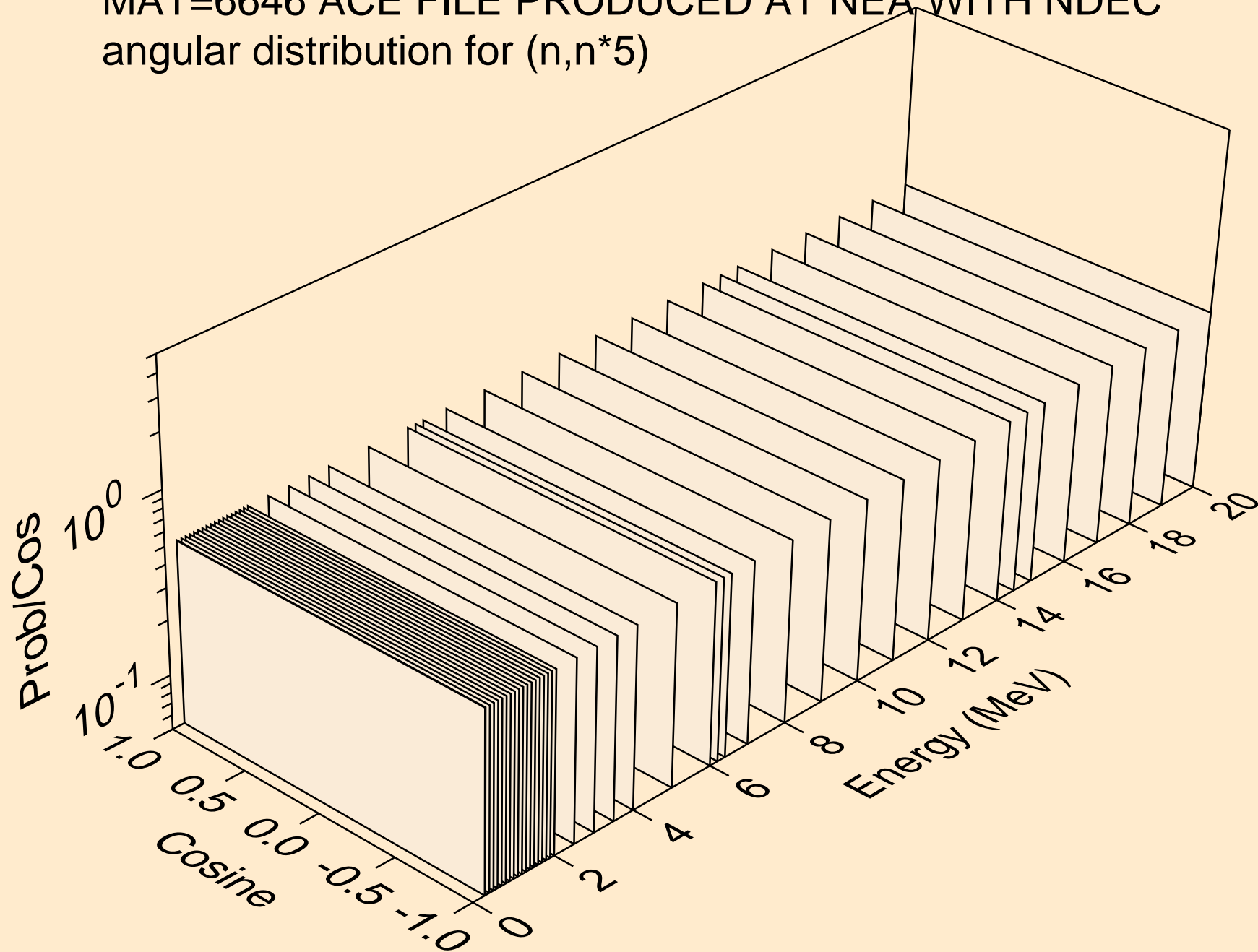angular distribution for (n,n*7)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*8)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*9)

ProbICos

10^0

10^{-1}

1.0

0.5

0.0

-0.5

-1.0

Cosine
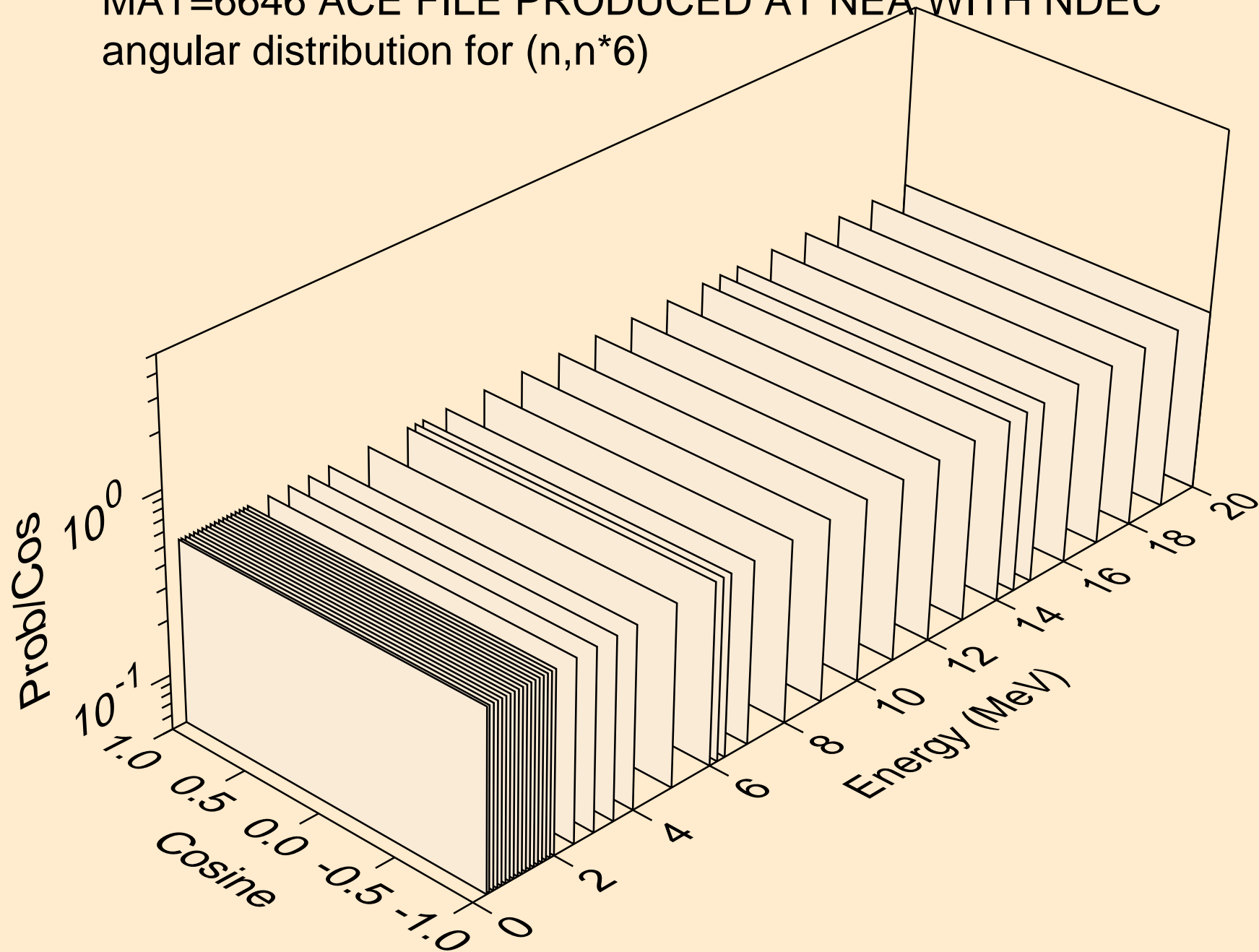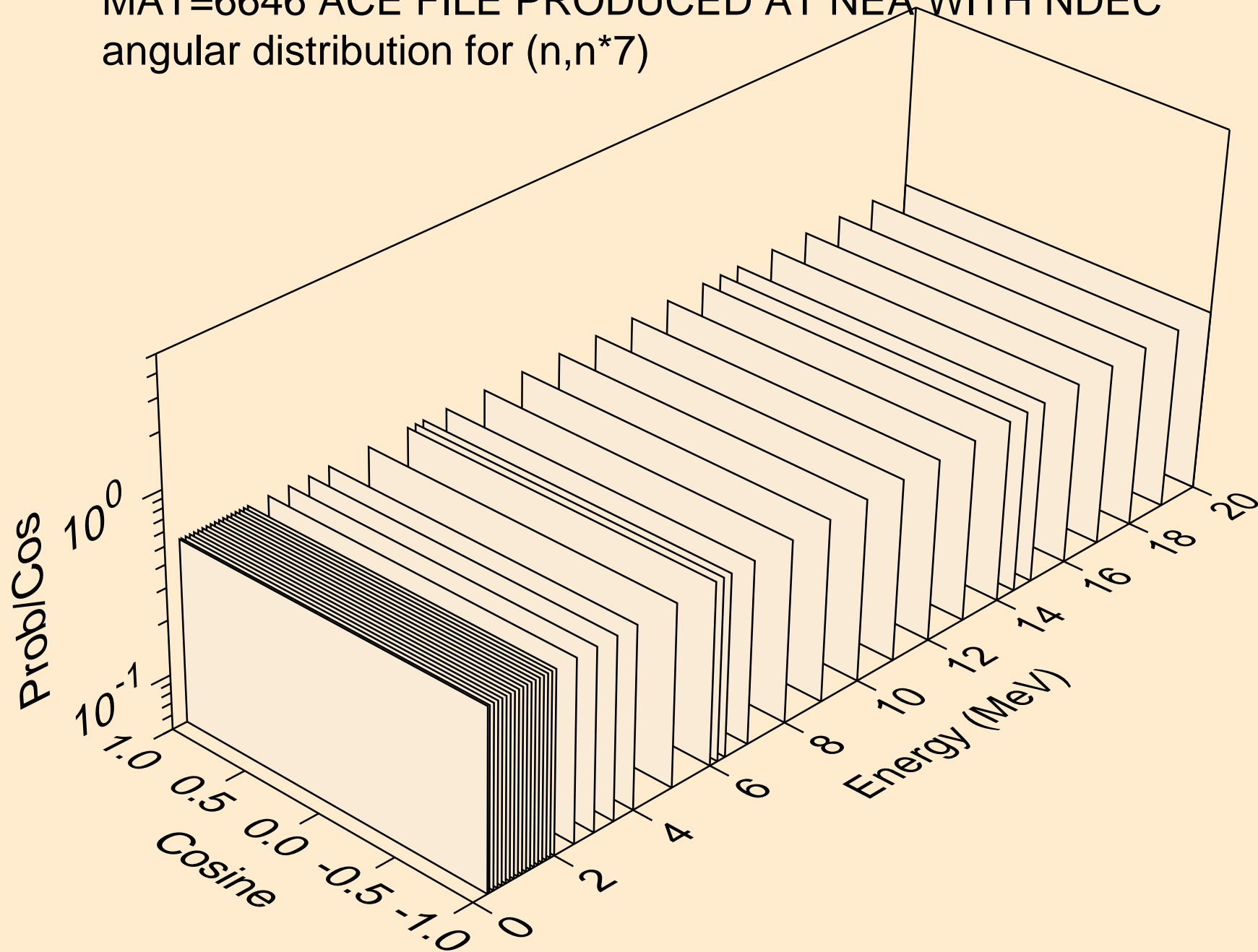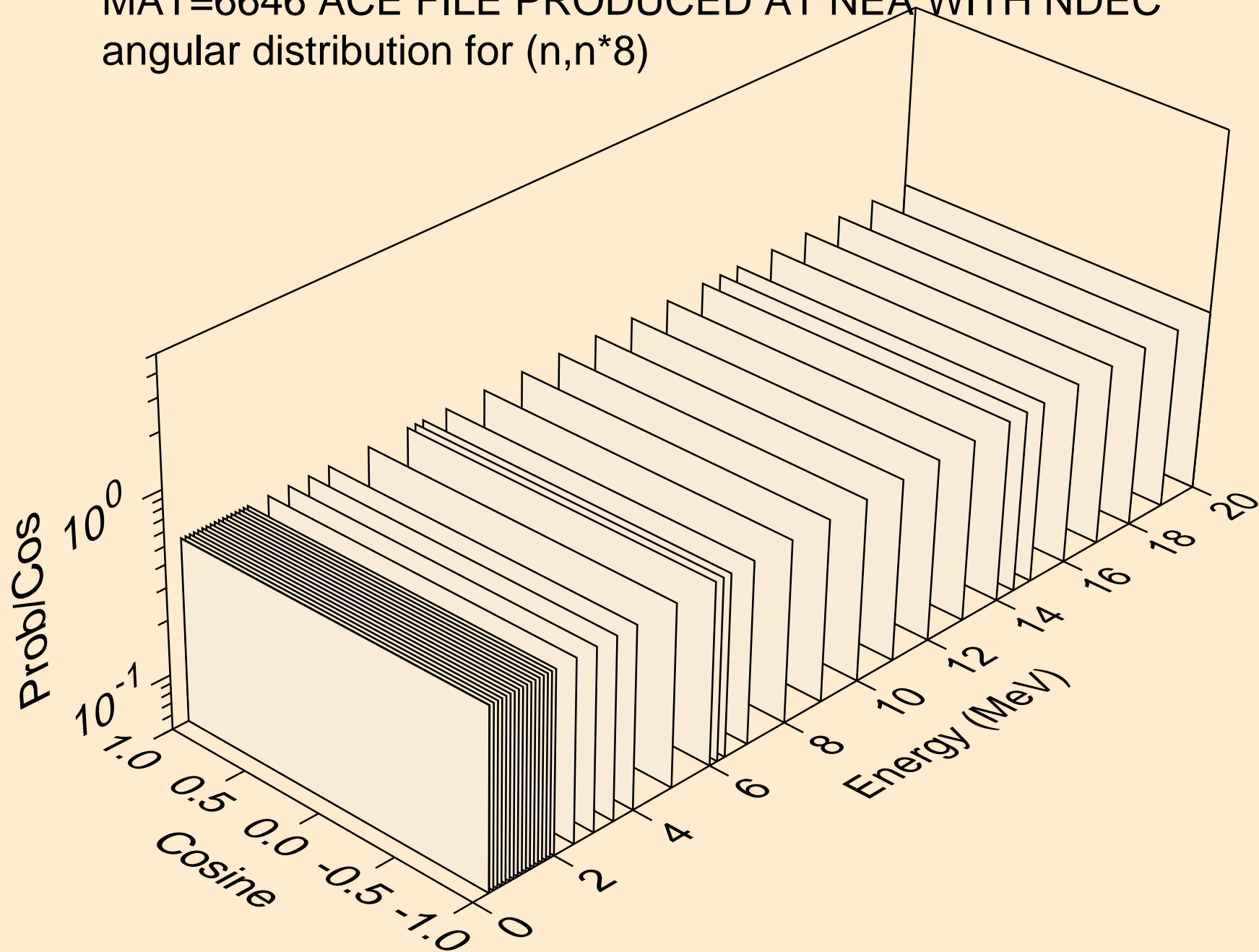
0

2

4

6

8
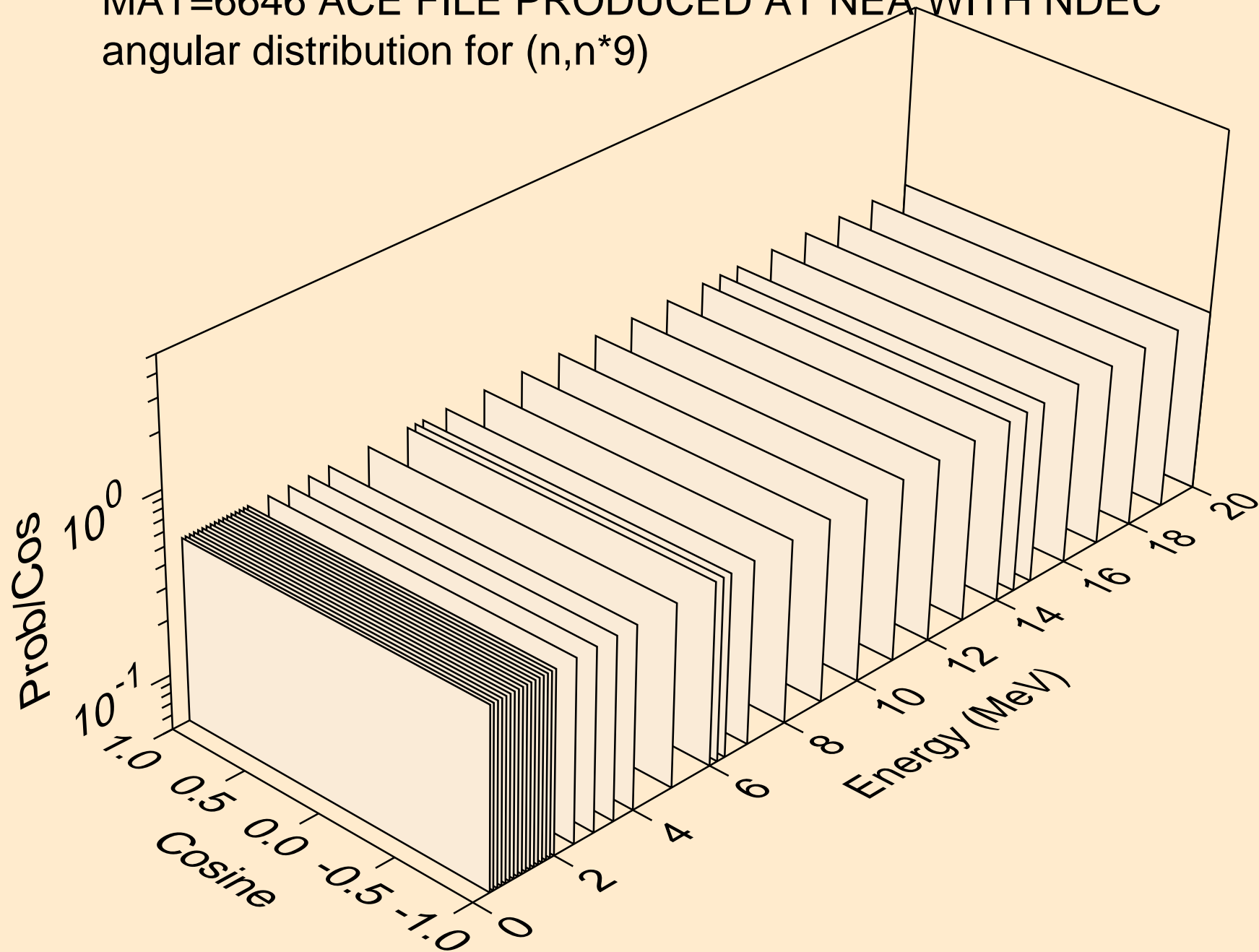
10

12

14

16

18

20

Energy (MeV)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*10)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*11)

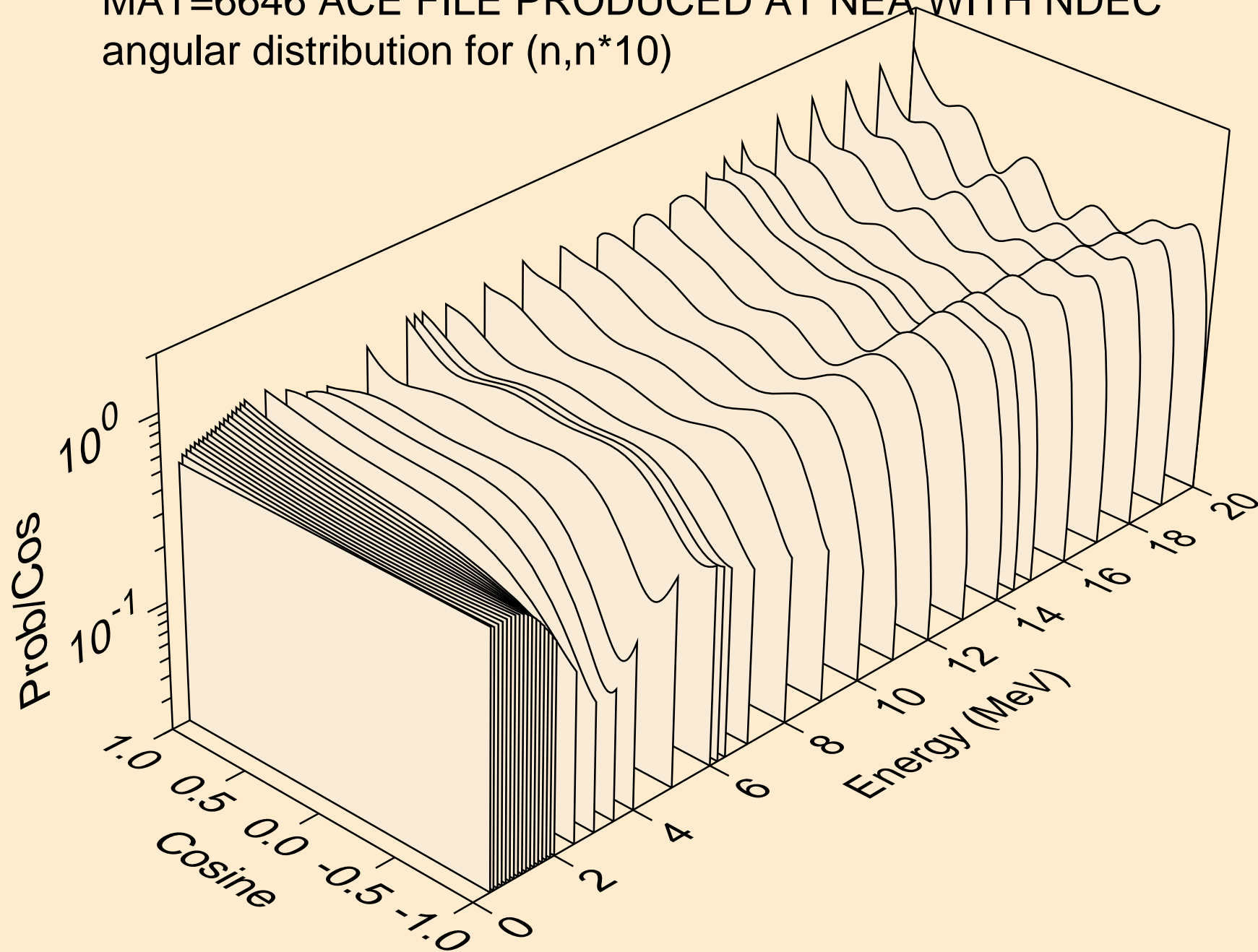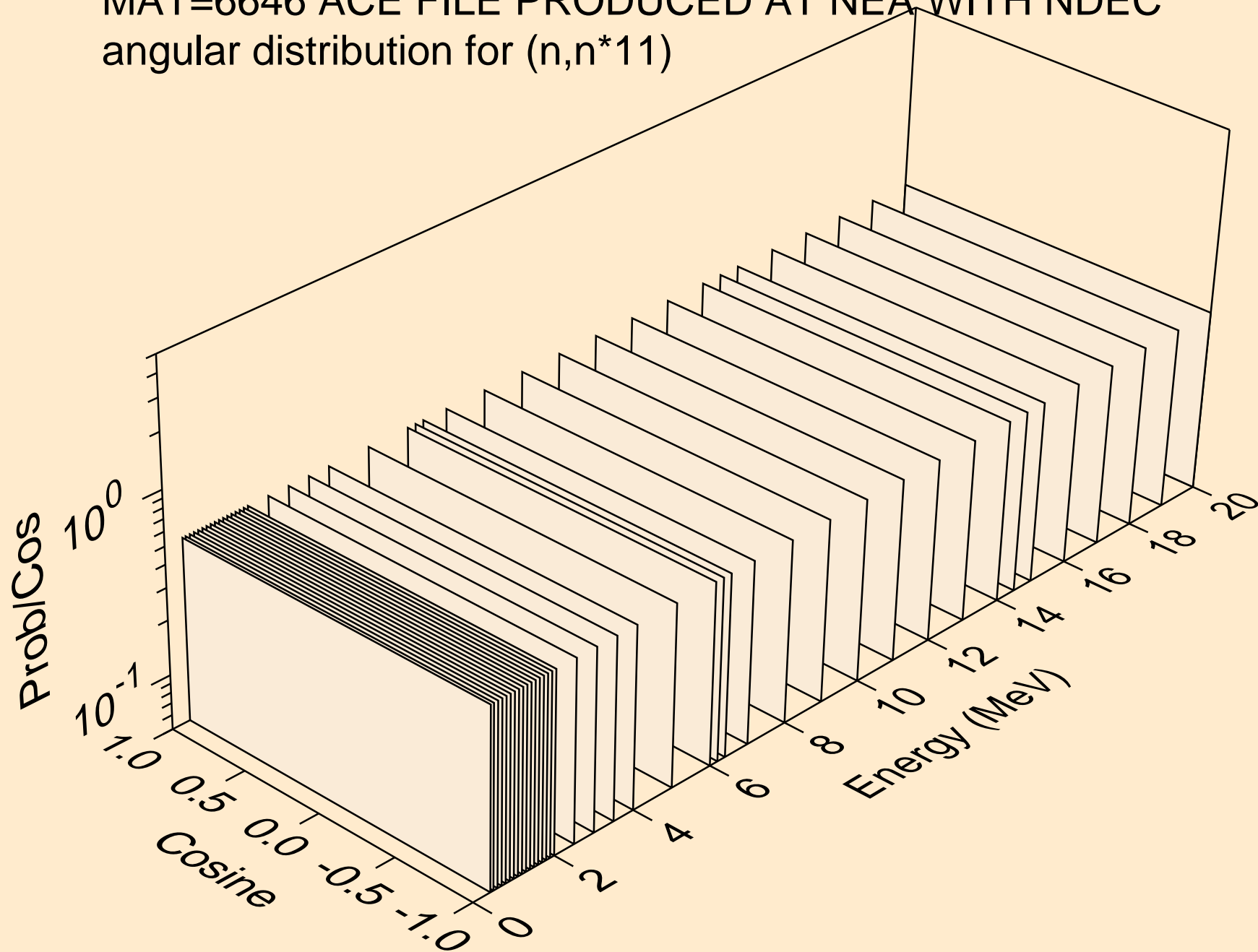MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
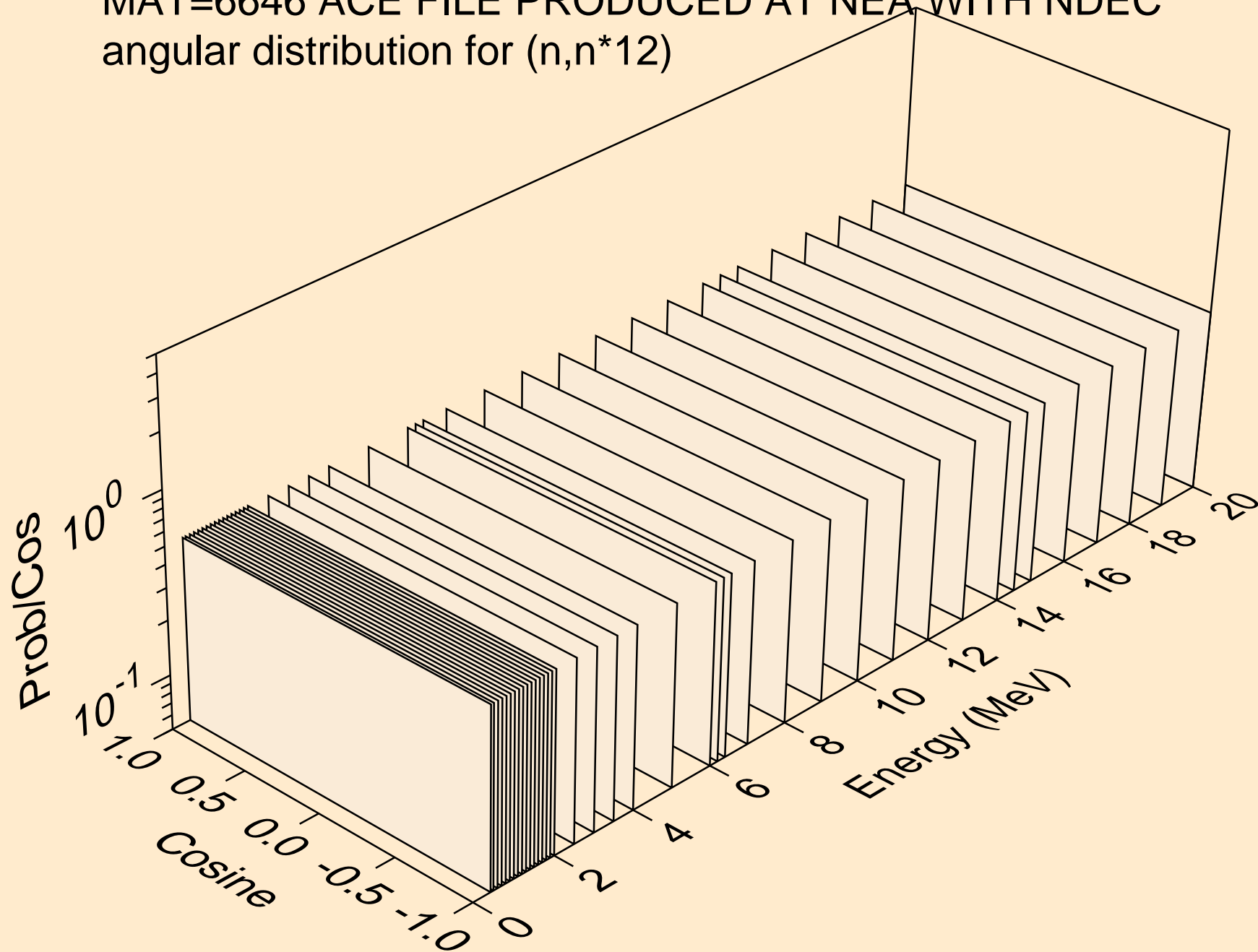angular distribution for (n,n*12)

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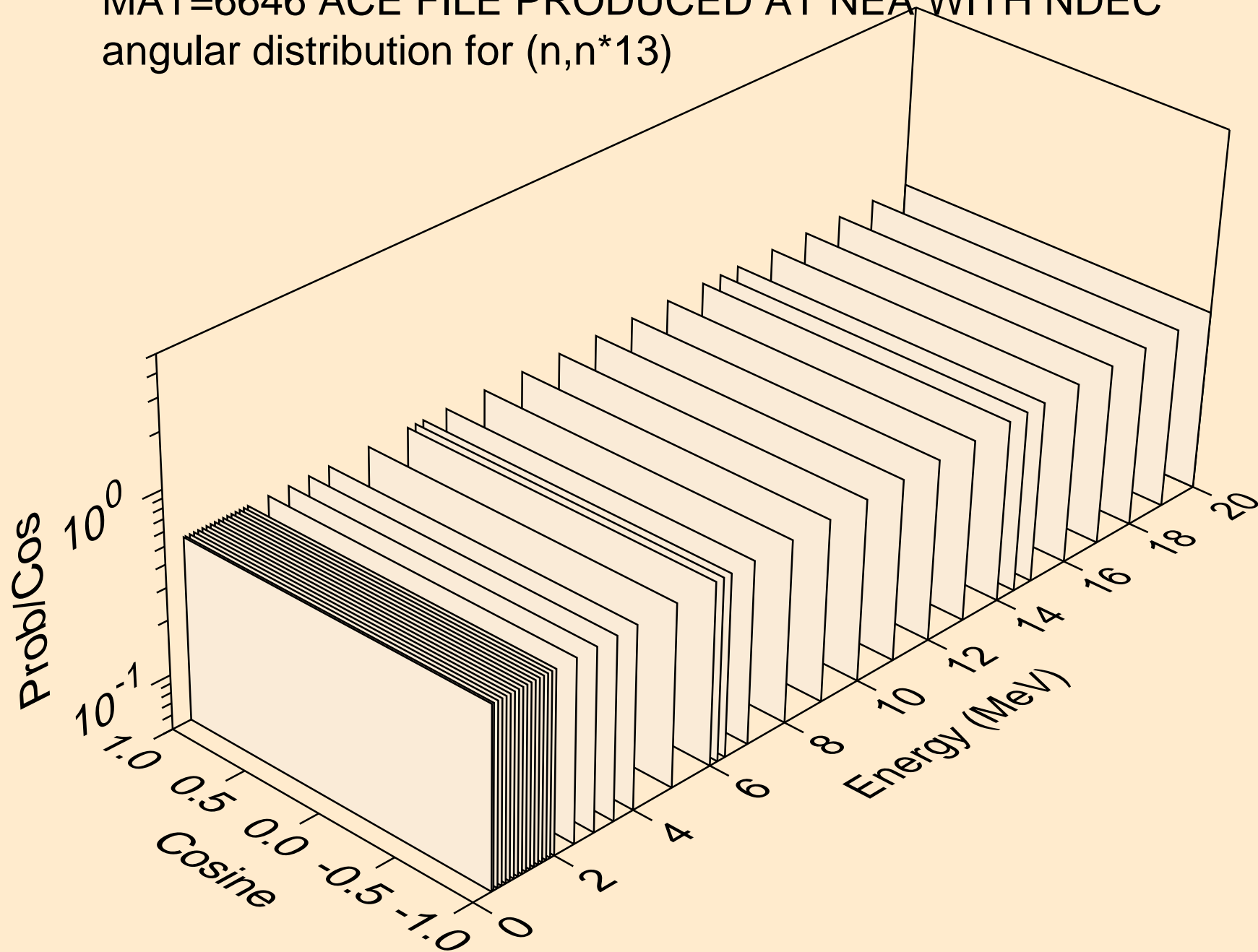angular distribution for (n,n*13)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
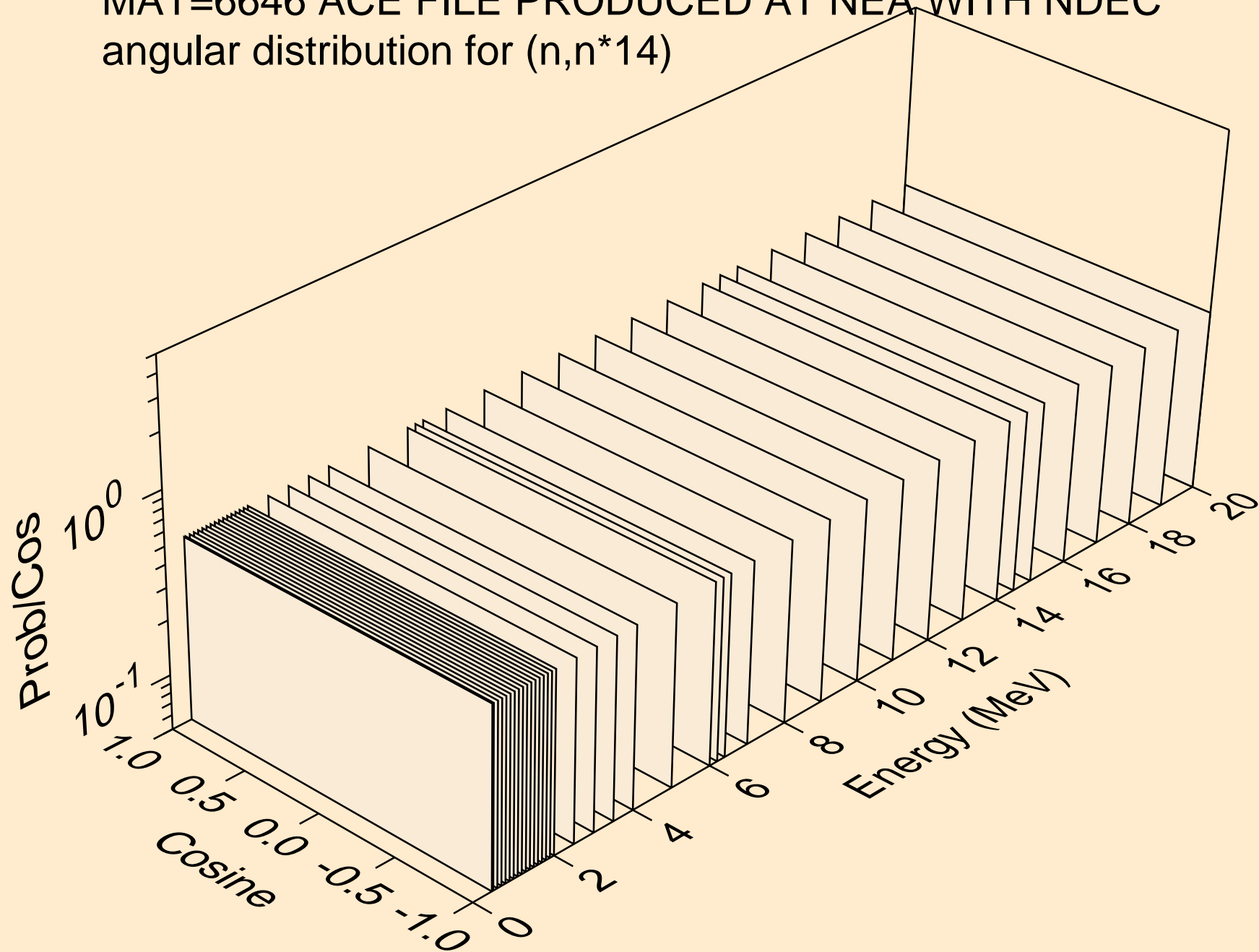angular distribution for (n,n*14)

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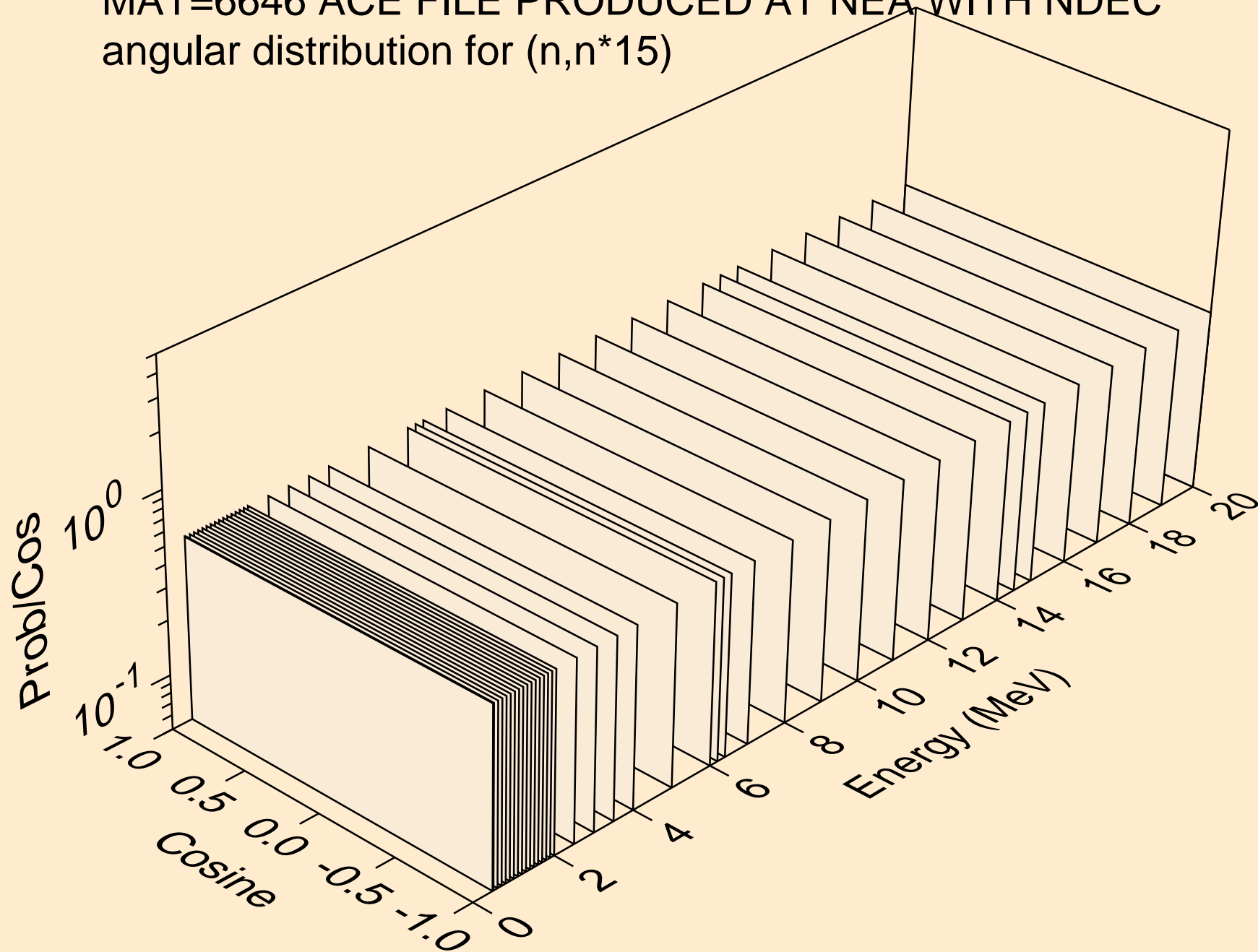angular distribution for (n,n*15)

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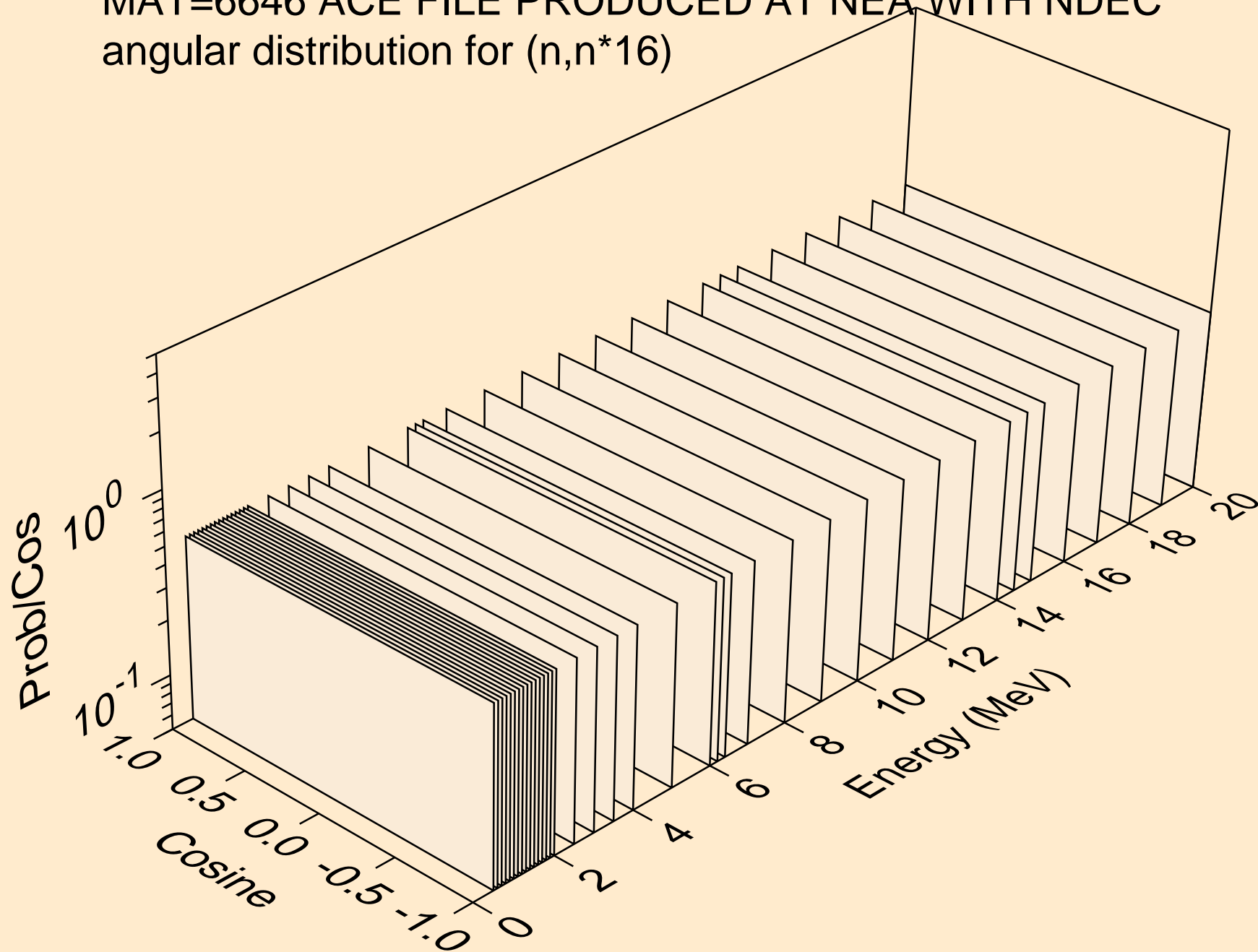angular distribution for (n,n*16)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*17)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*18)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*19)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
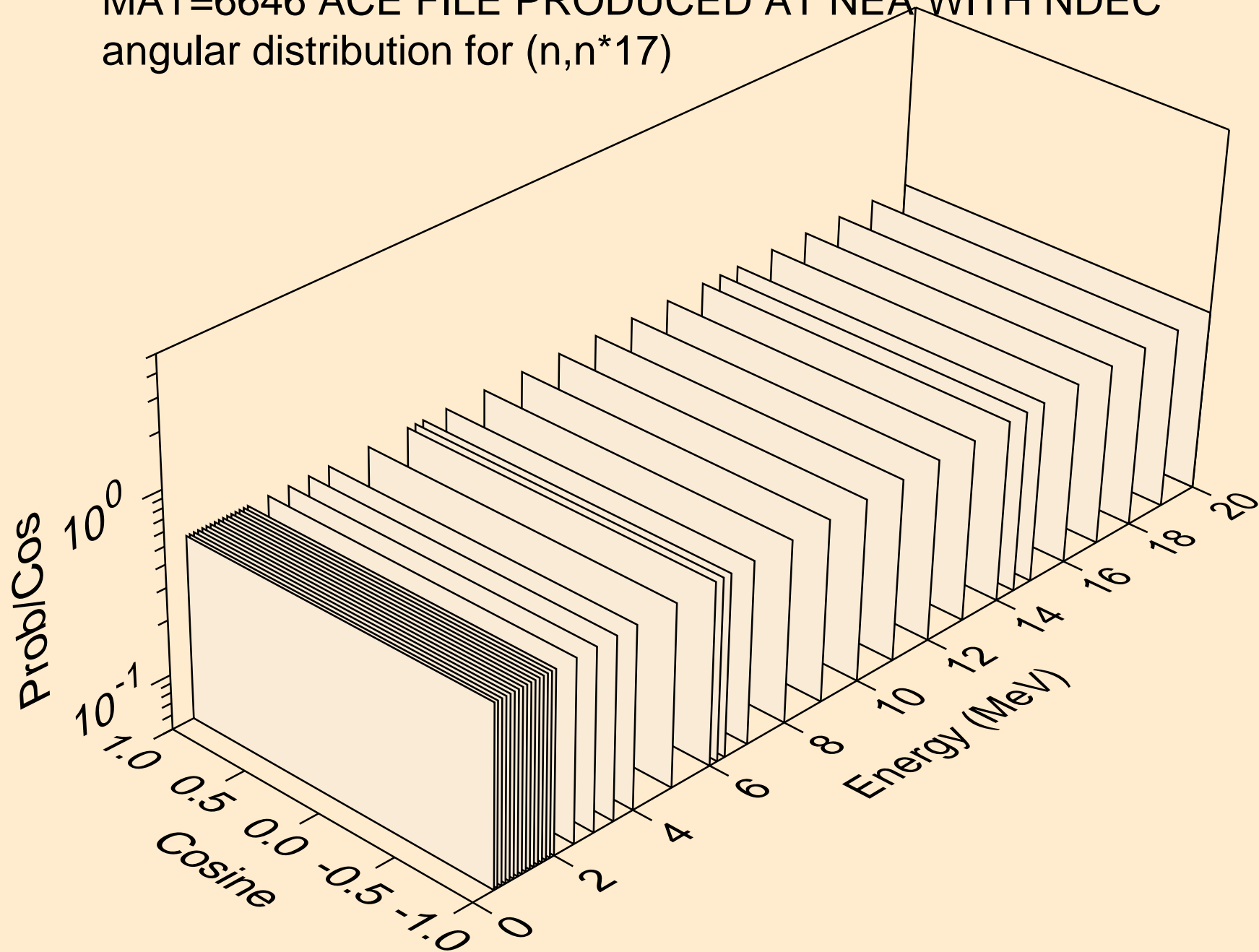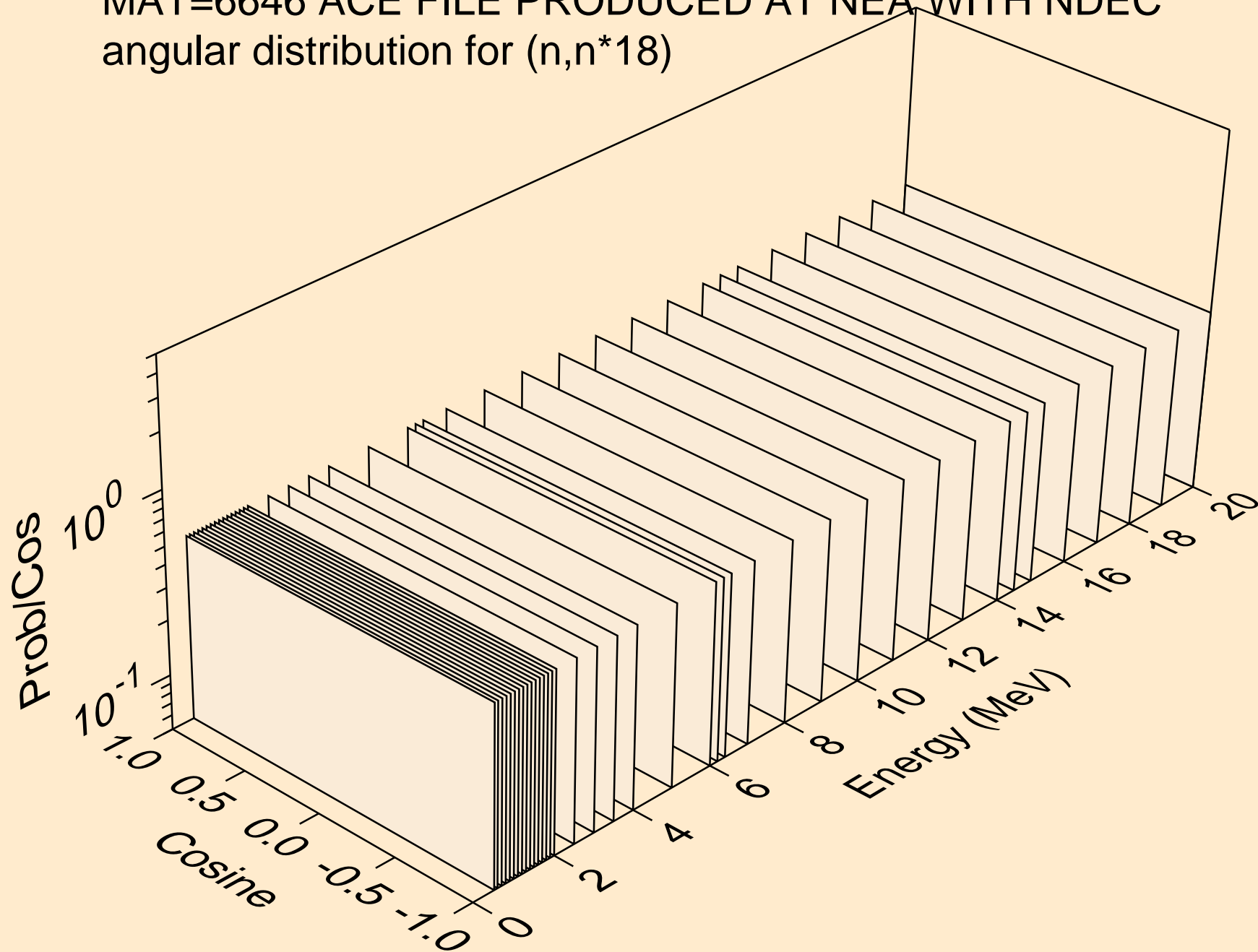angular distribution for (n,n*20)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
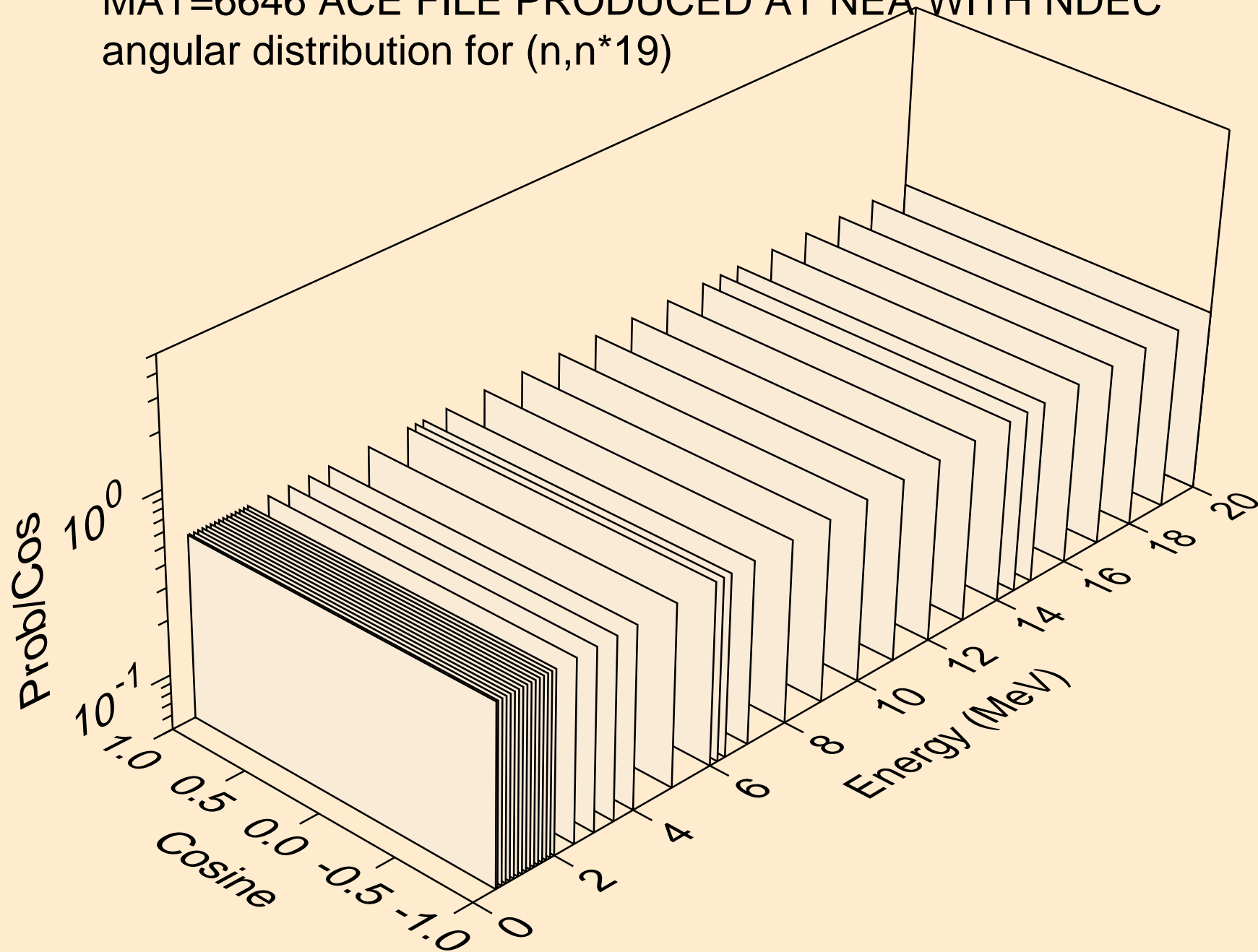angular distribution for (n,n*21)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*22)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
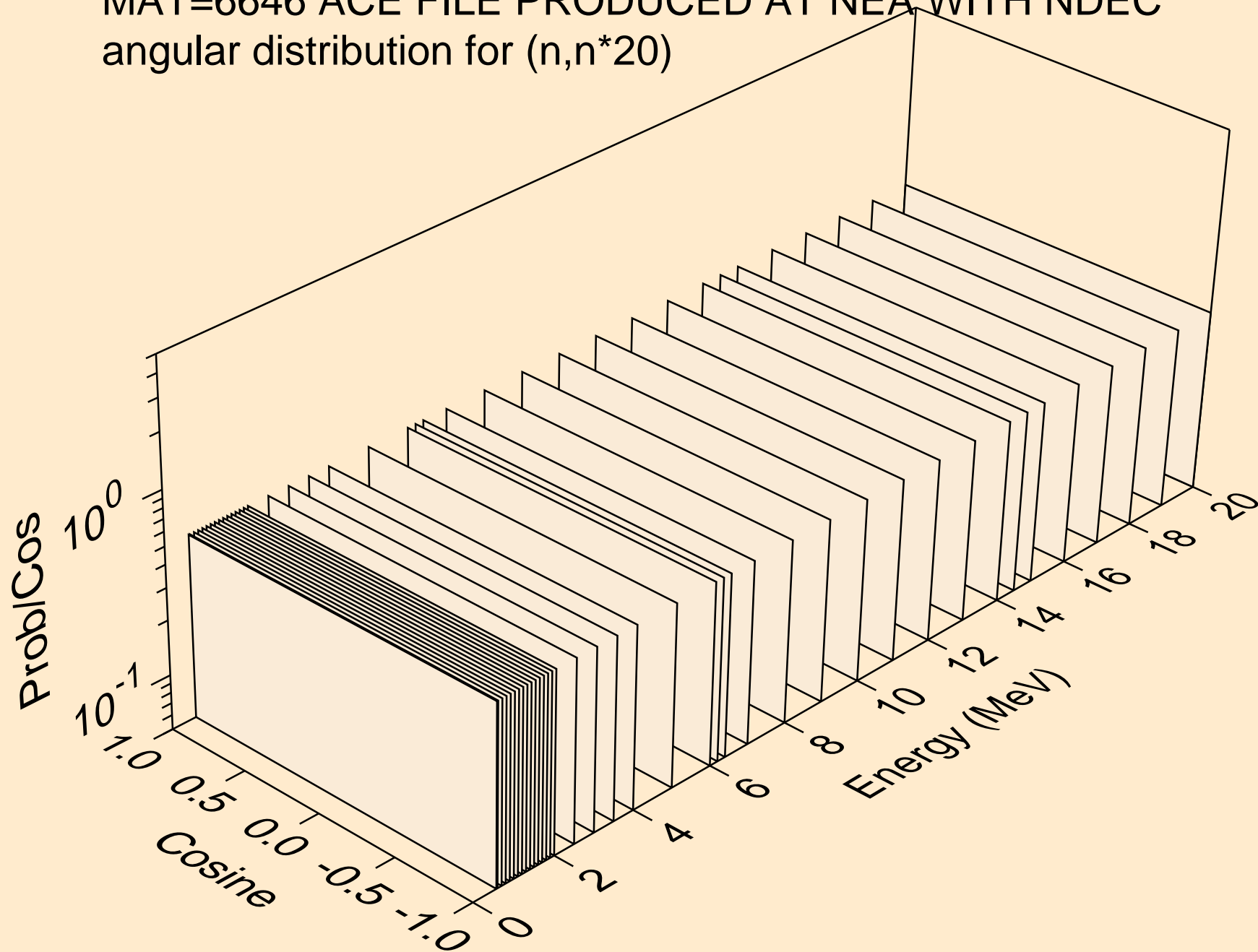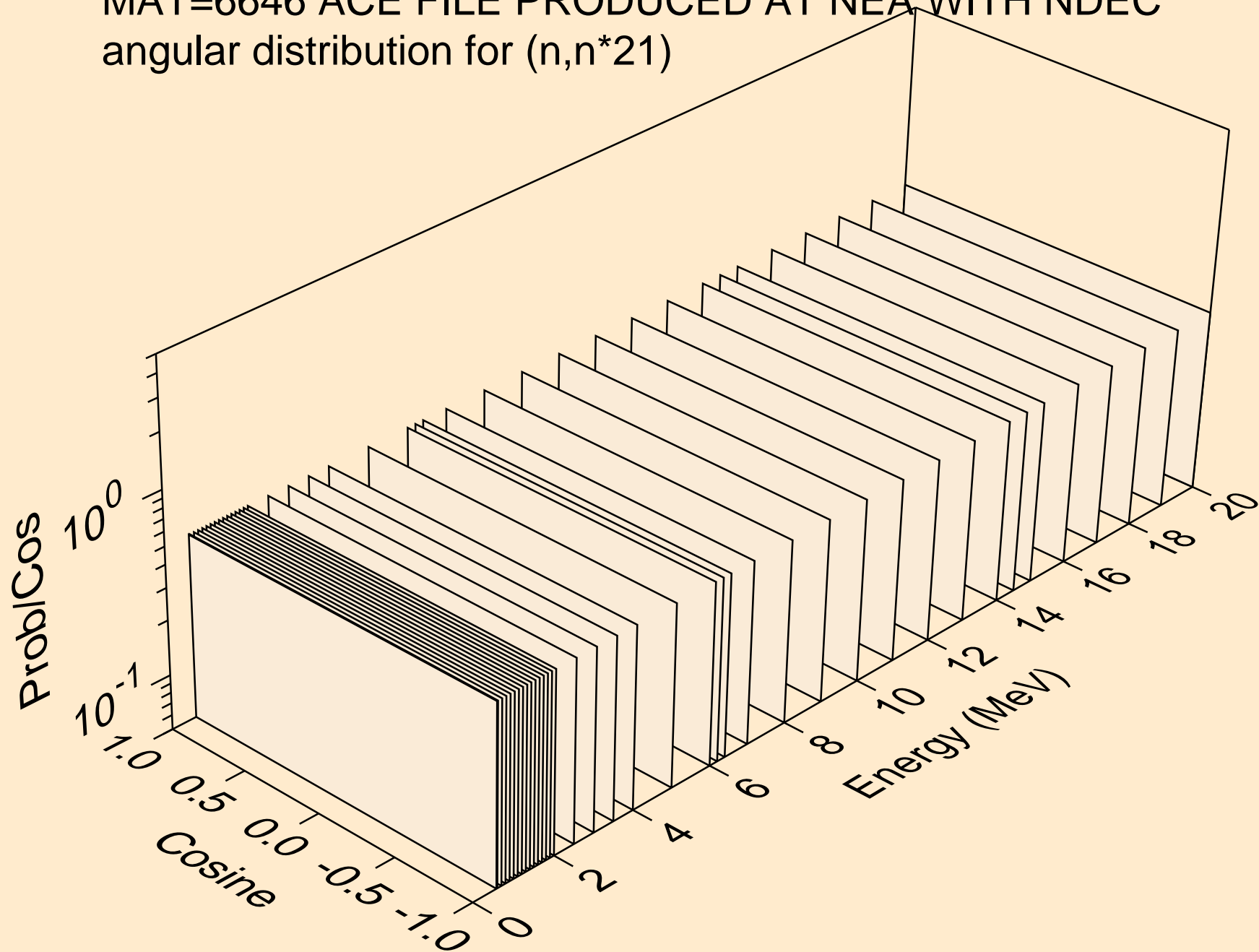angular distribution for (n,n*23)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
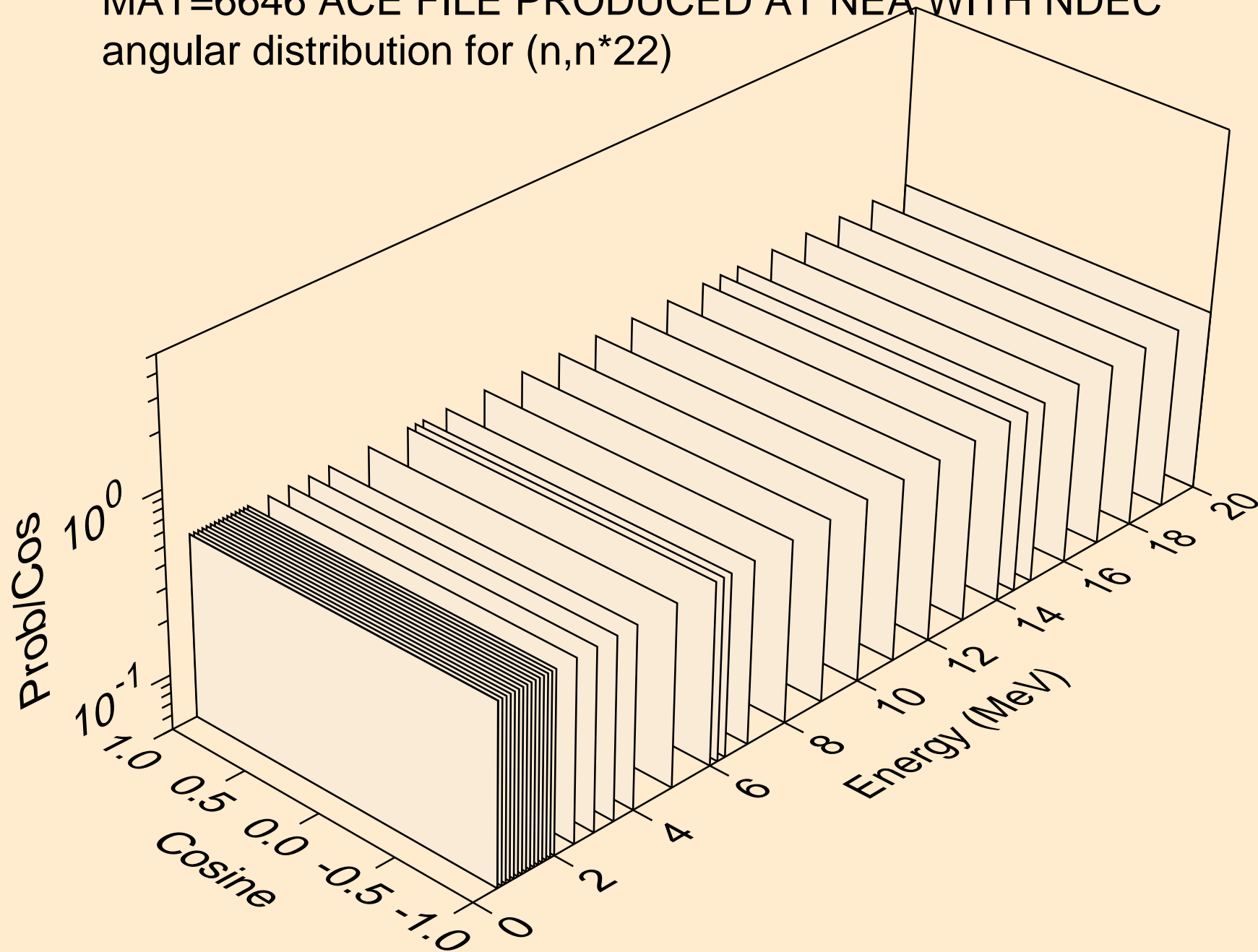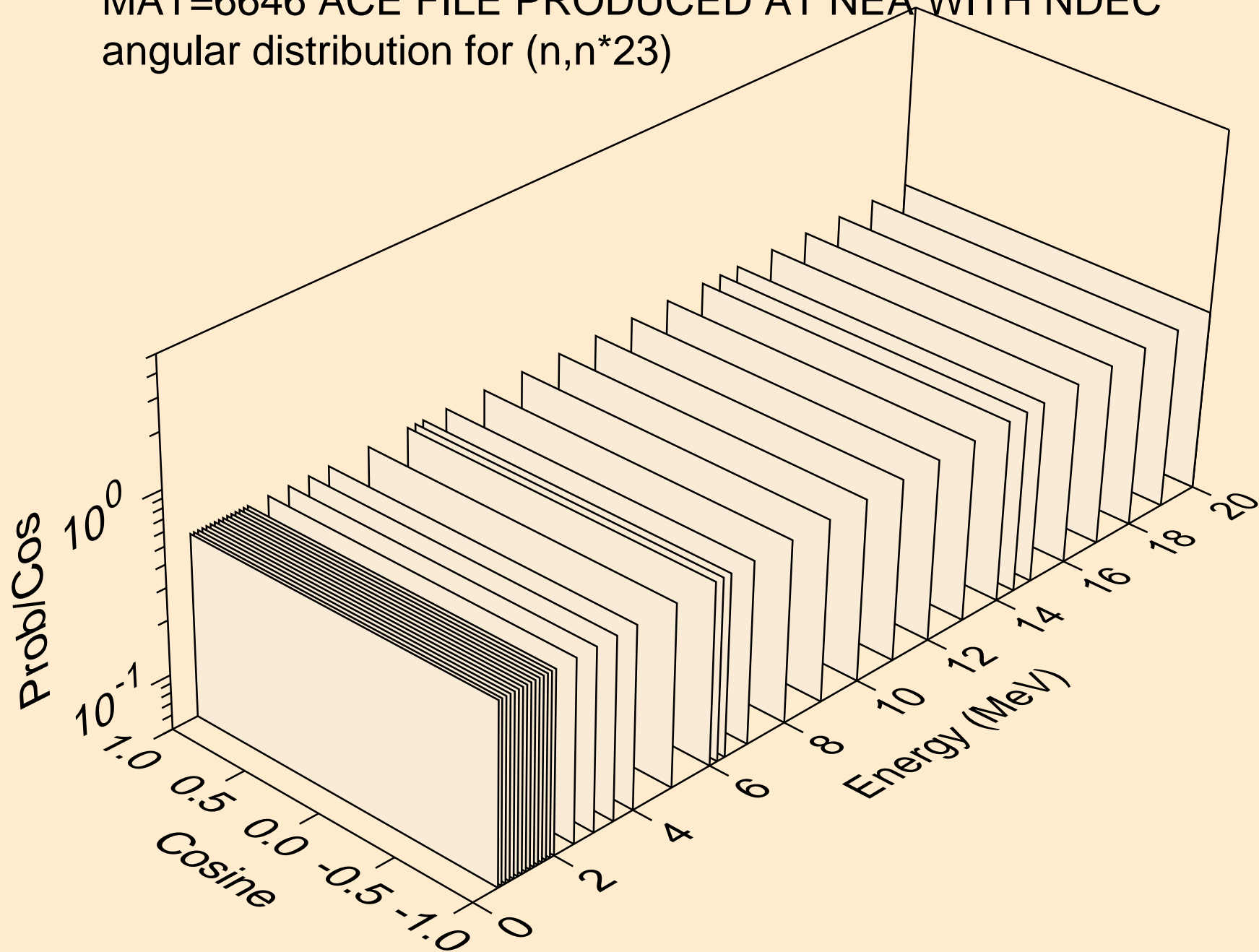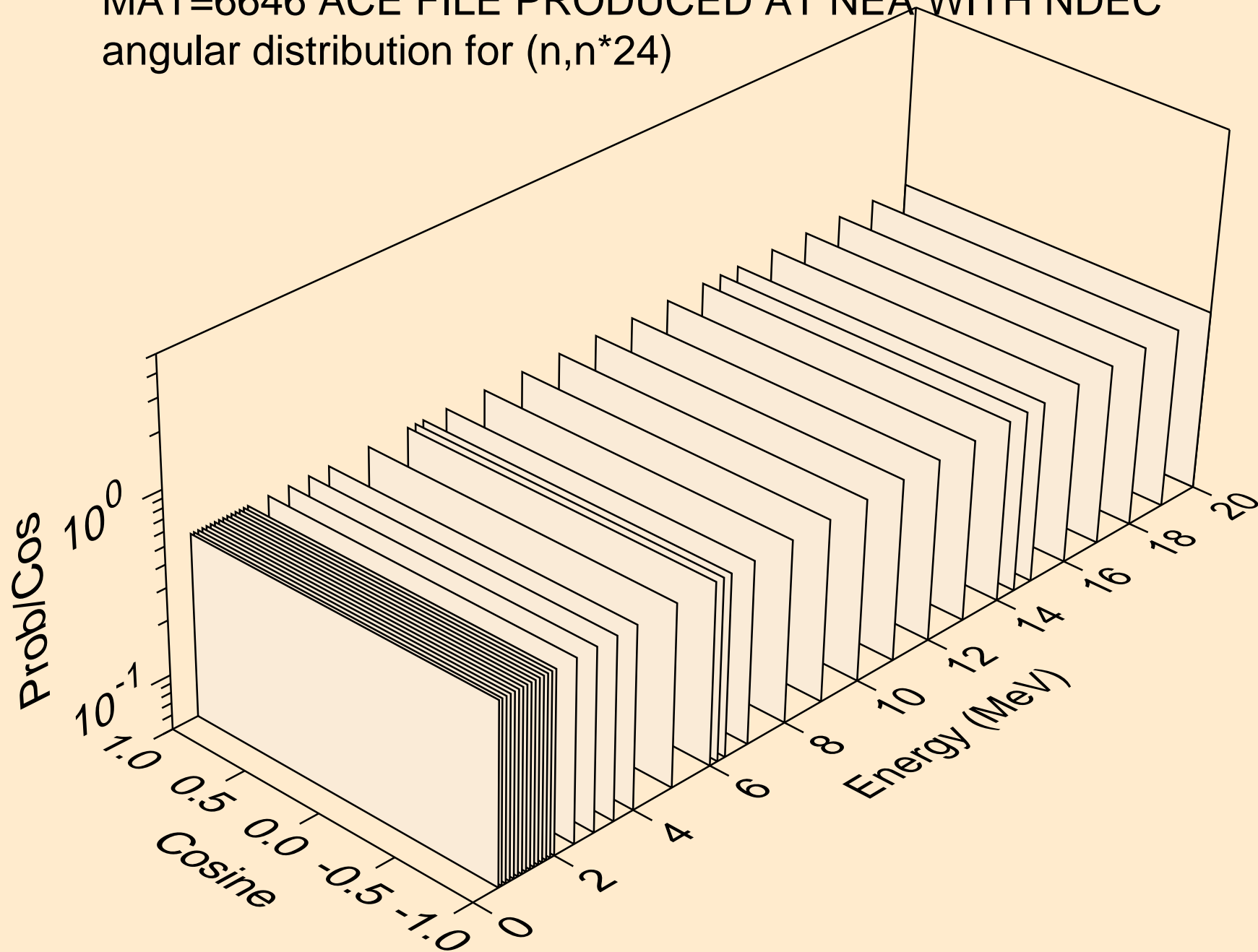angular distribution for (n,n*24)
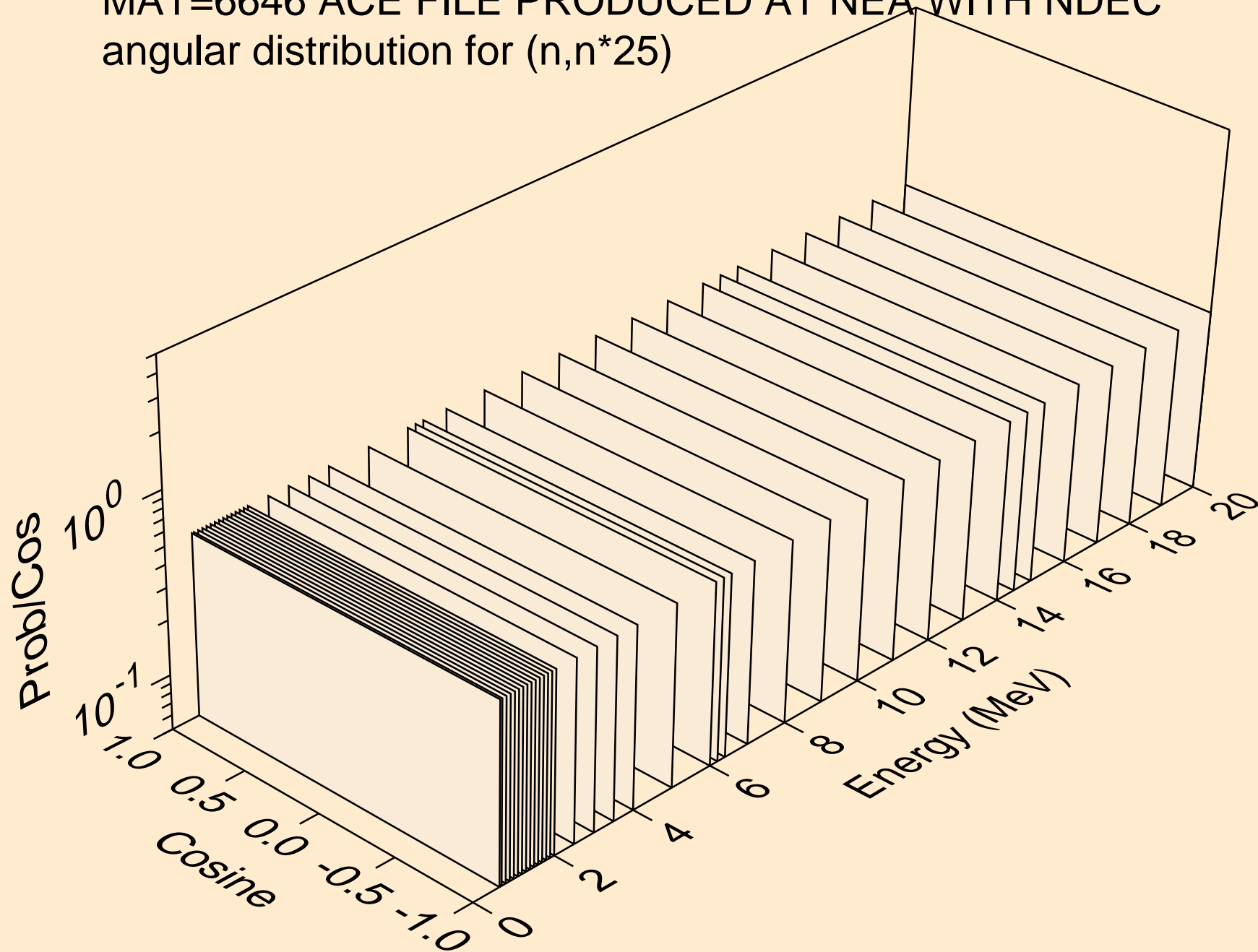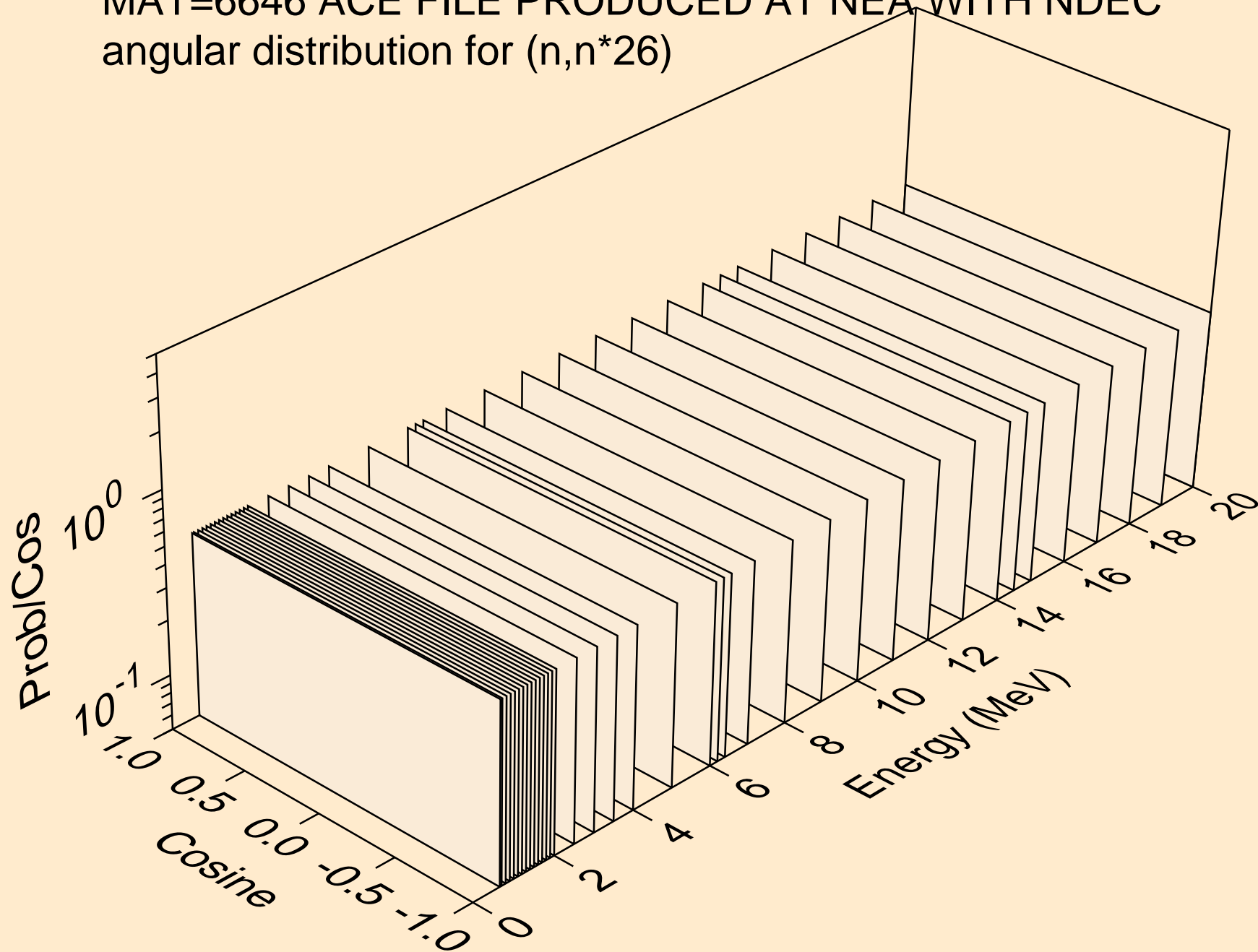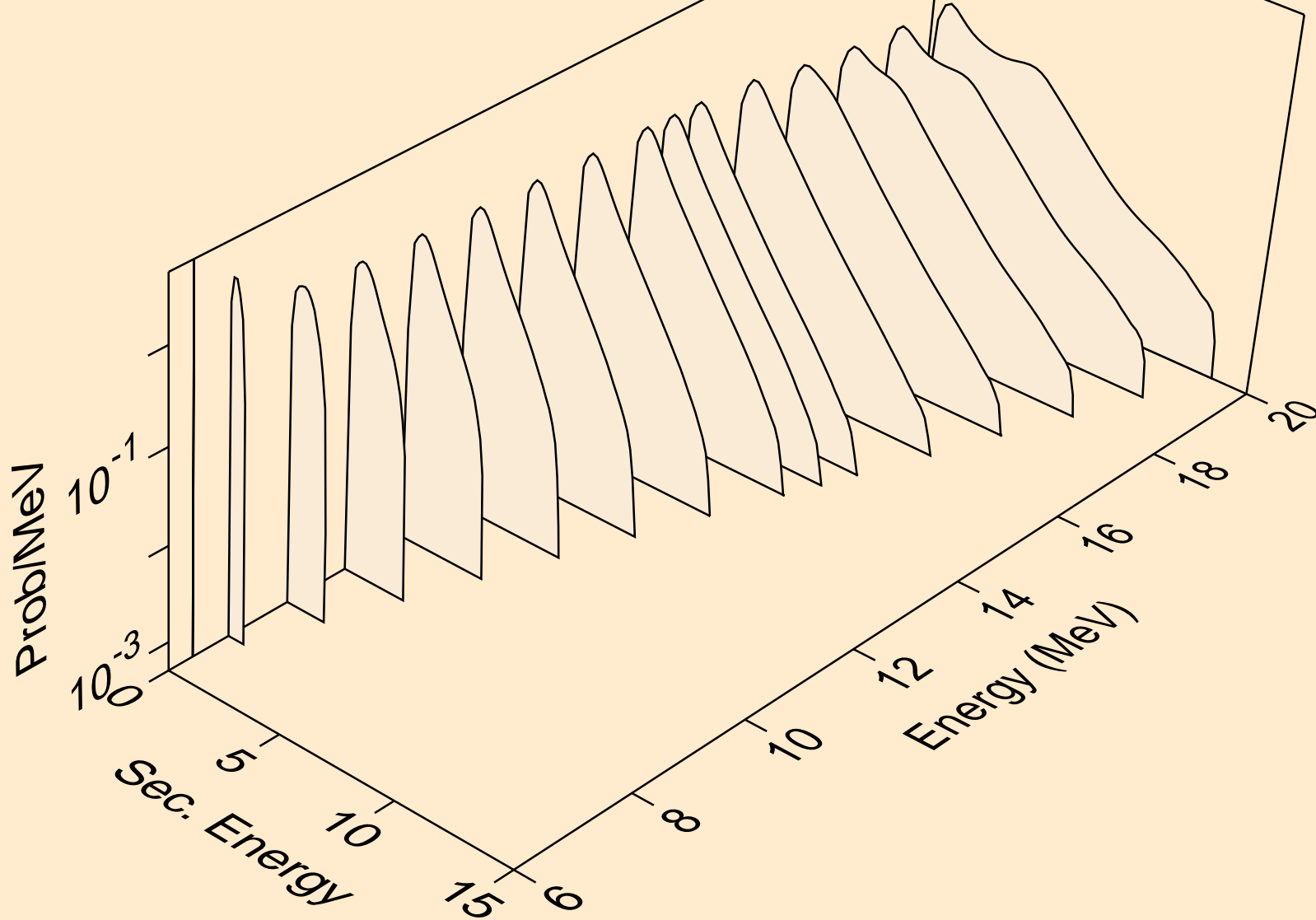
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
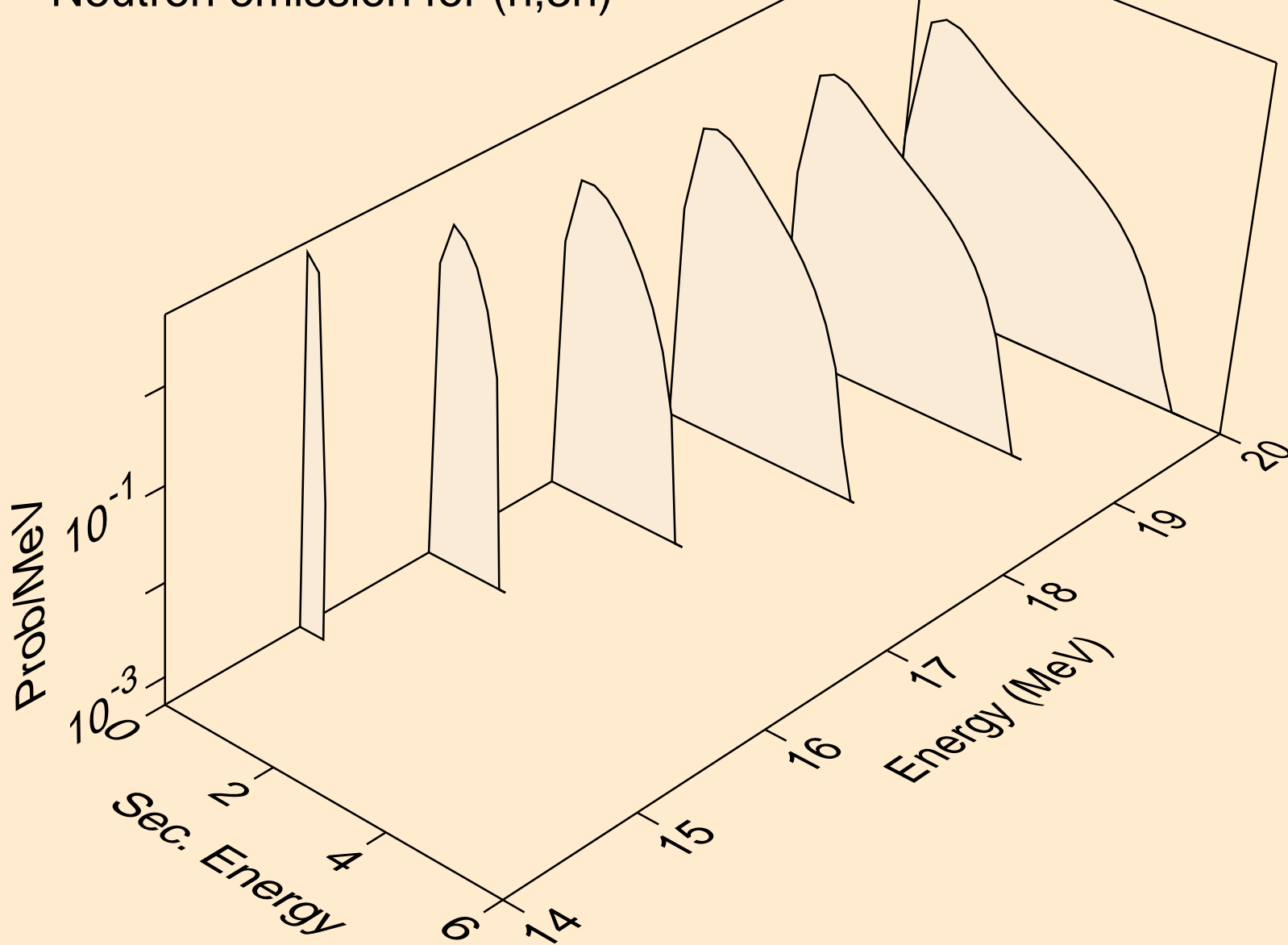angular distribution for (n,n*25)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,n*26)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,2n)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,3n)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,n*)a

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,2n)a

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,n*)p

ProbIMeV

10^{-1}

10^{-3}

Sec. Energy

2

4

6

8

10

12

14
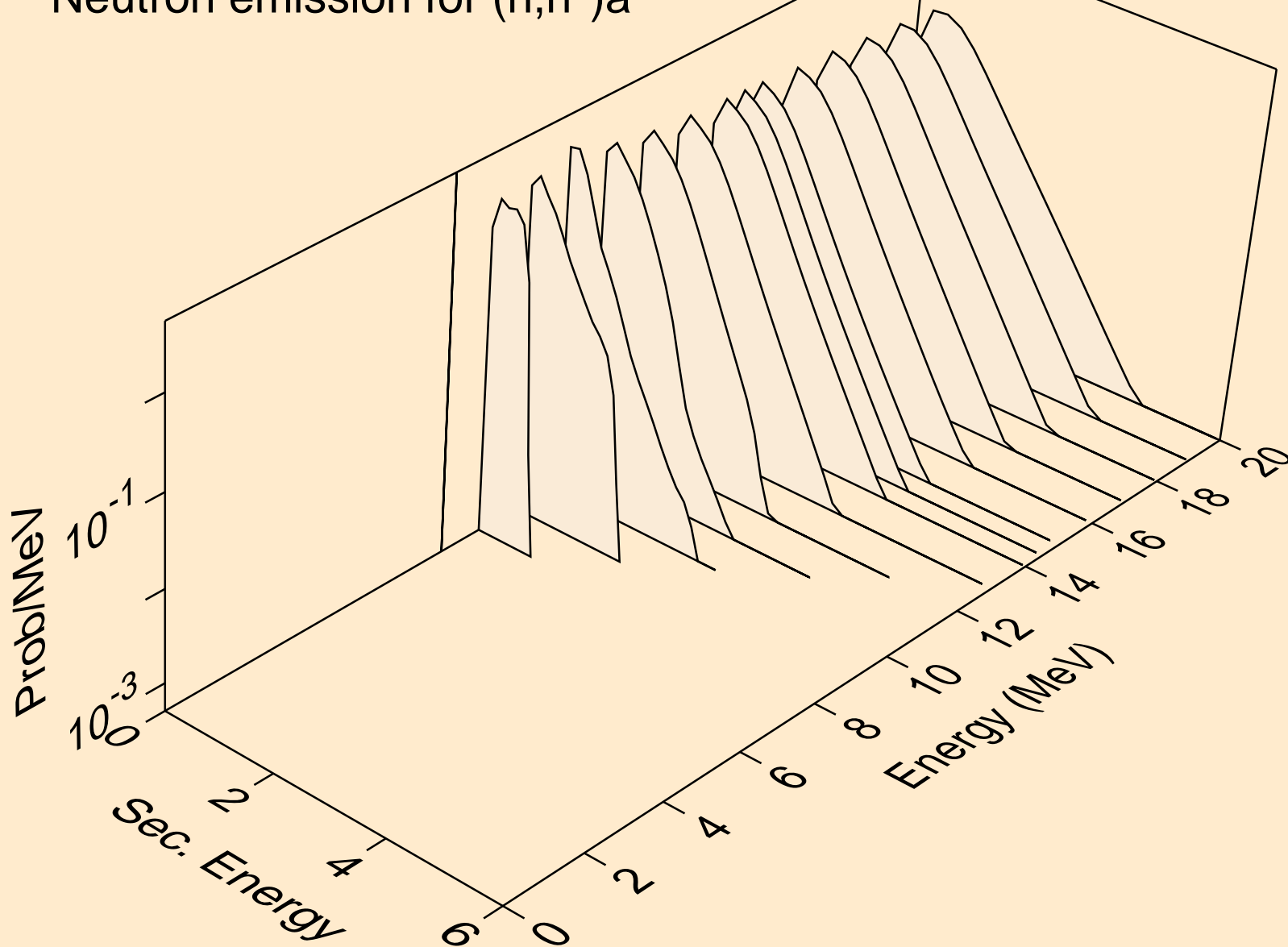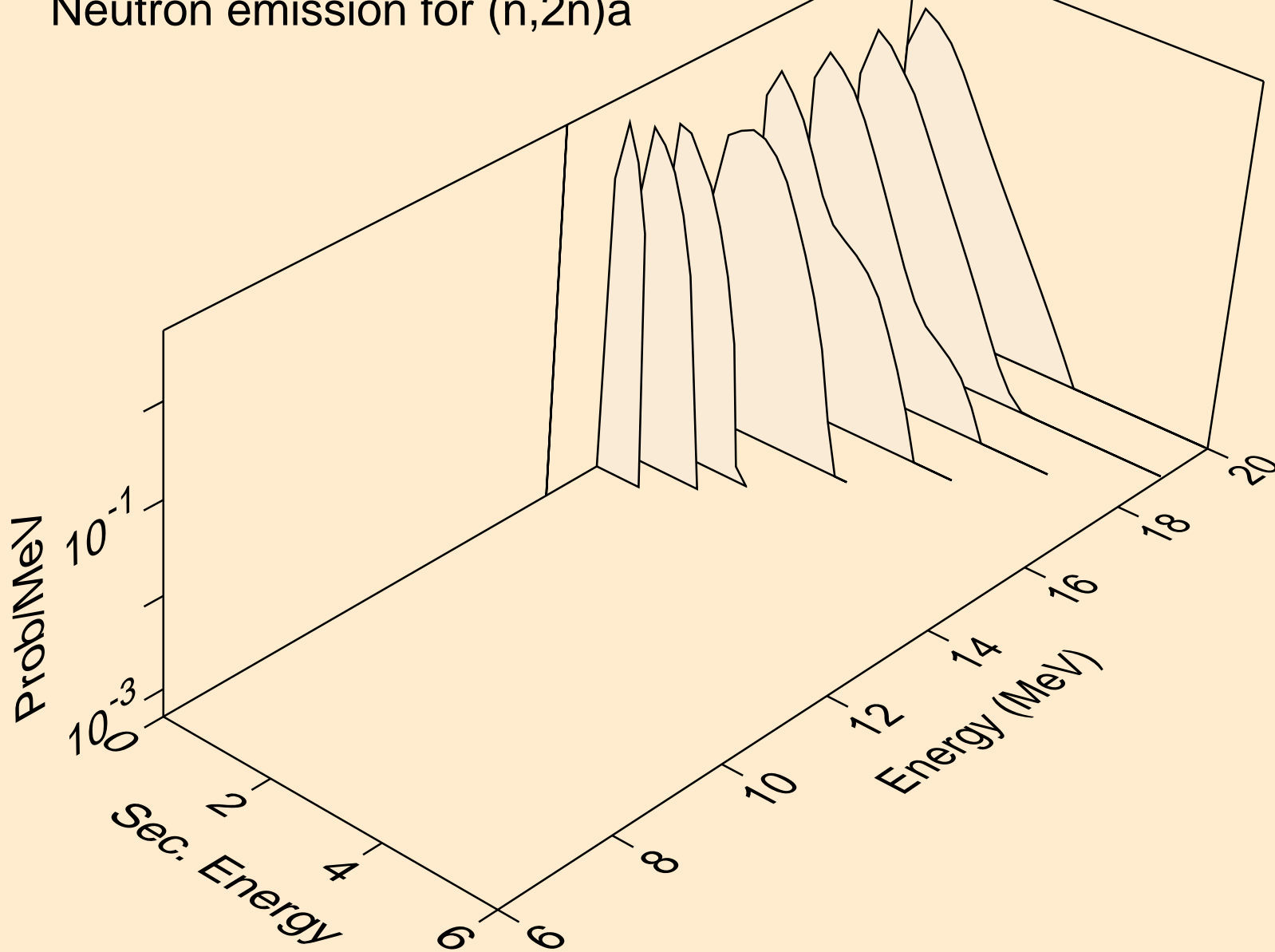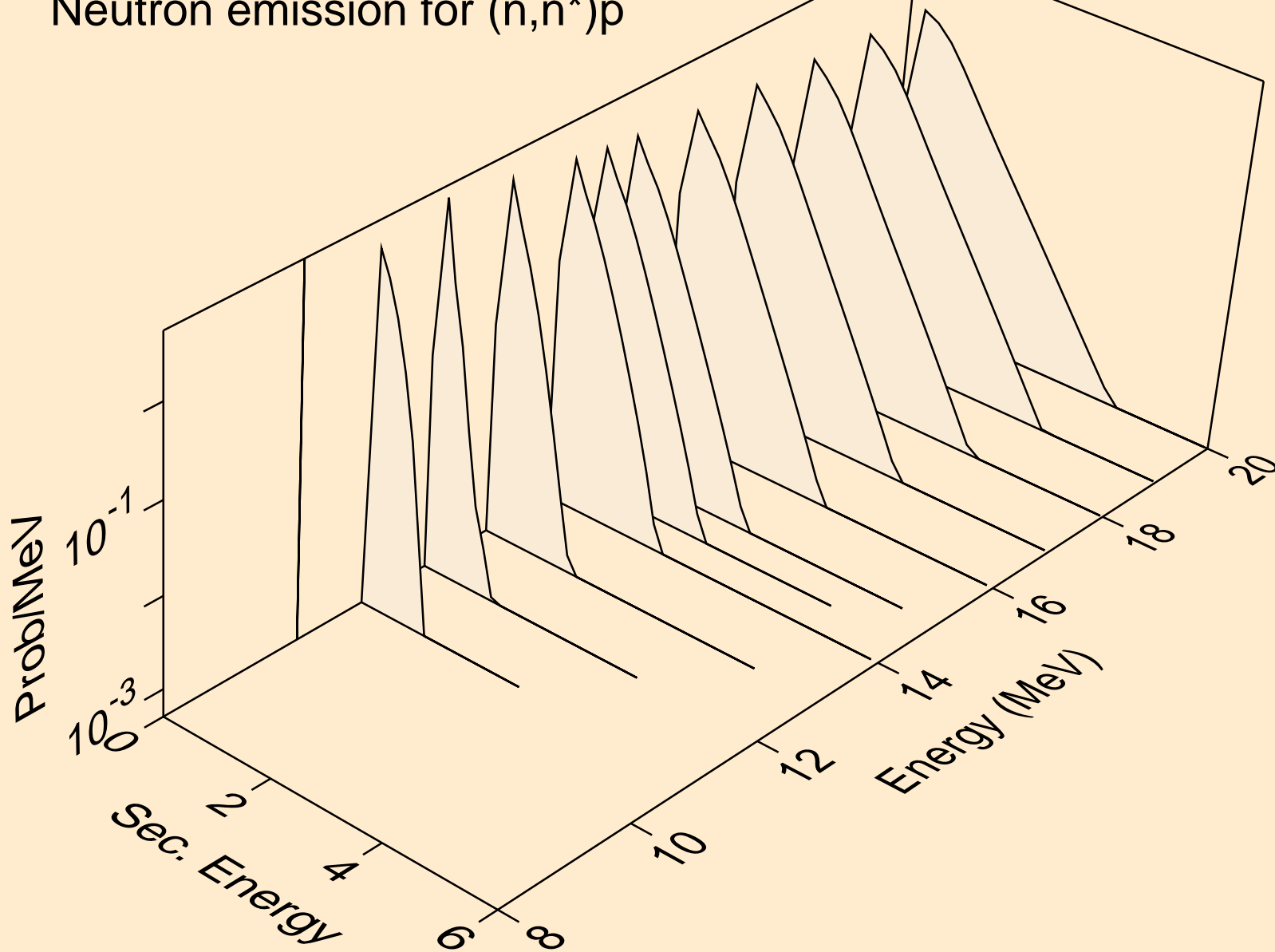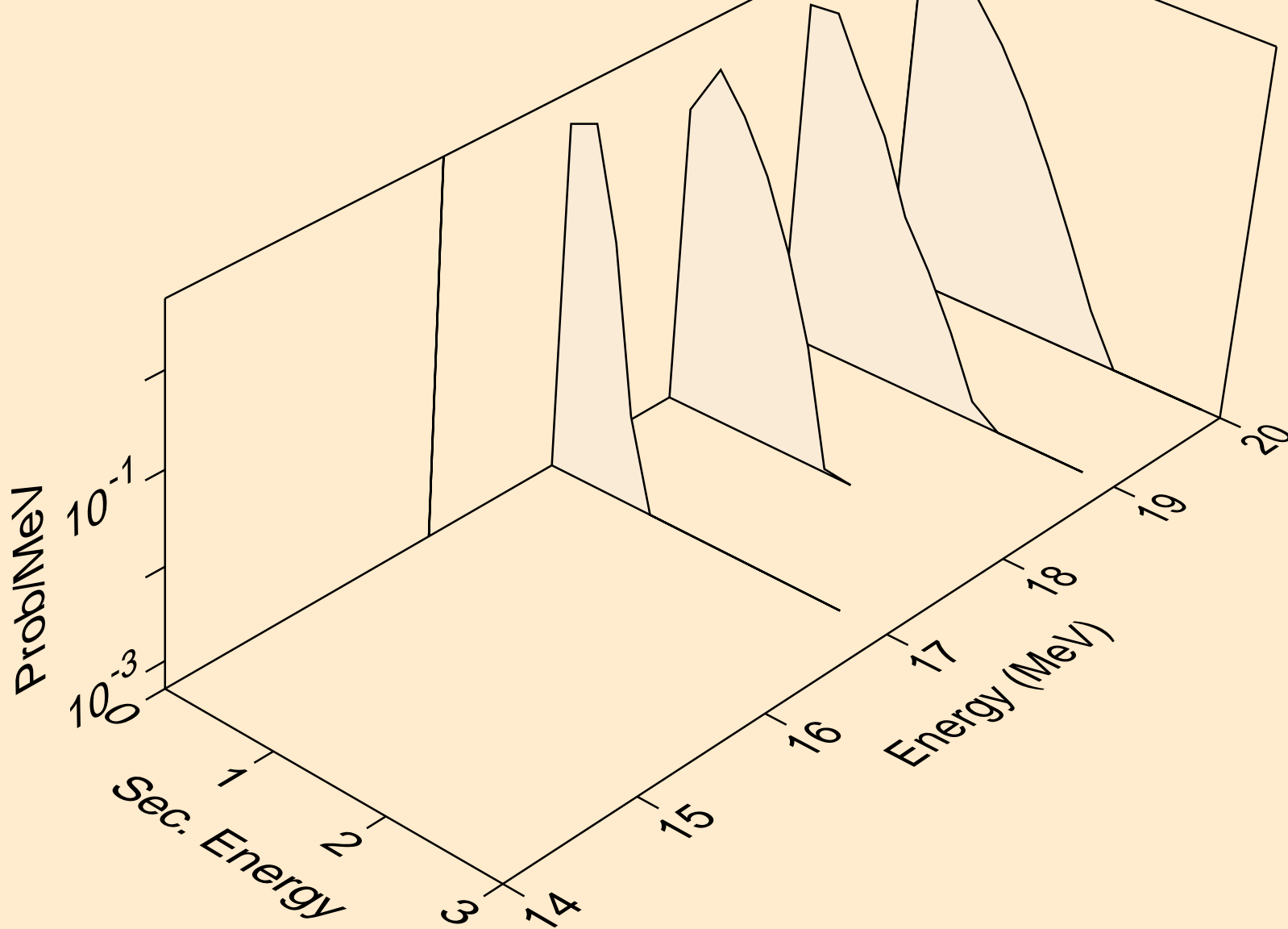
16

18

20

Energy (MeV)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,2np)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Neutron emission for (n,n*c)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,2n)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,3n)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,n*)a

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,2n)a

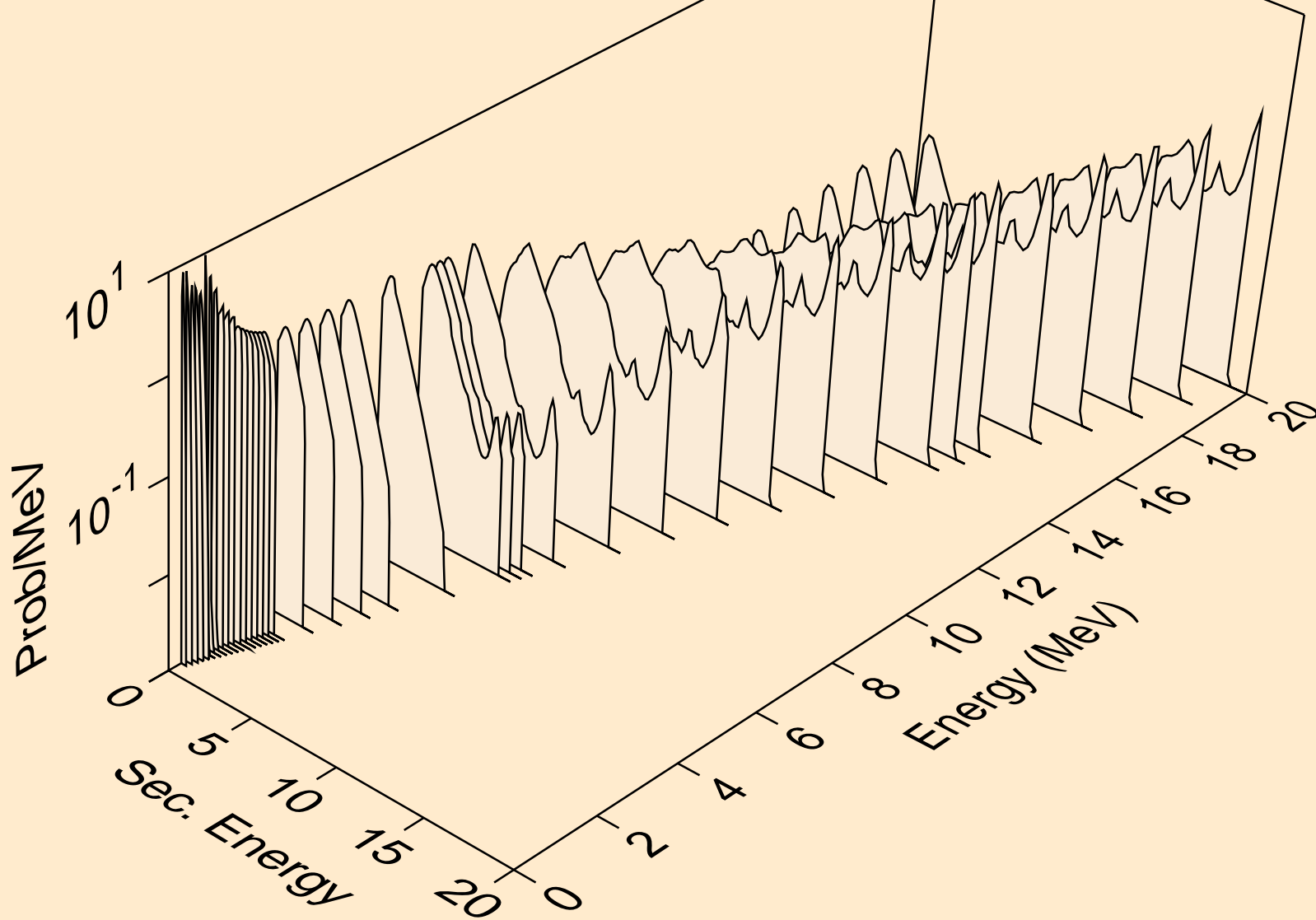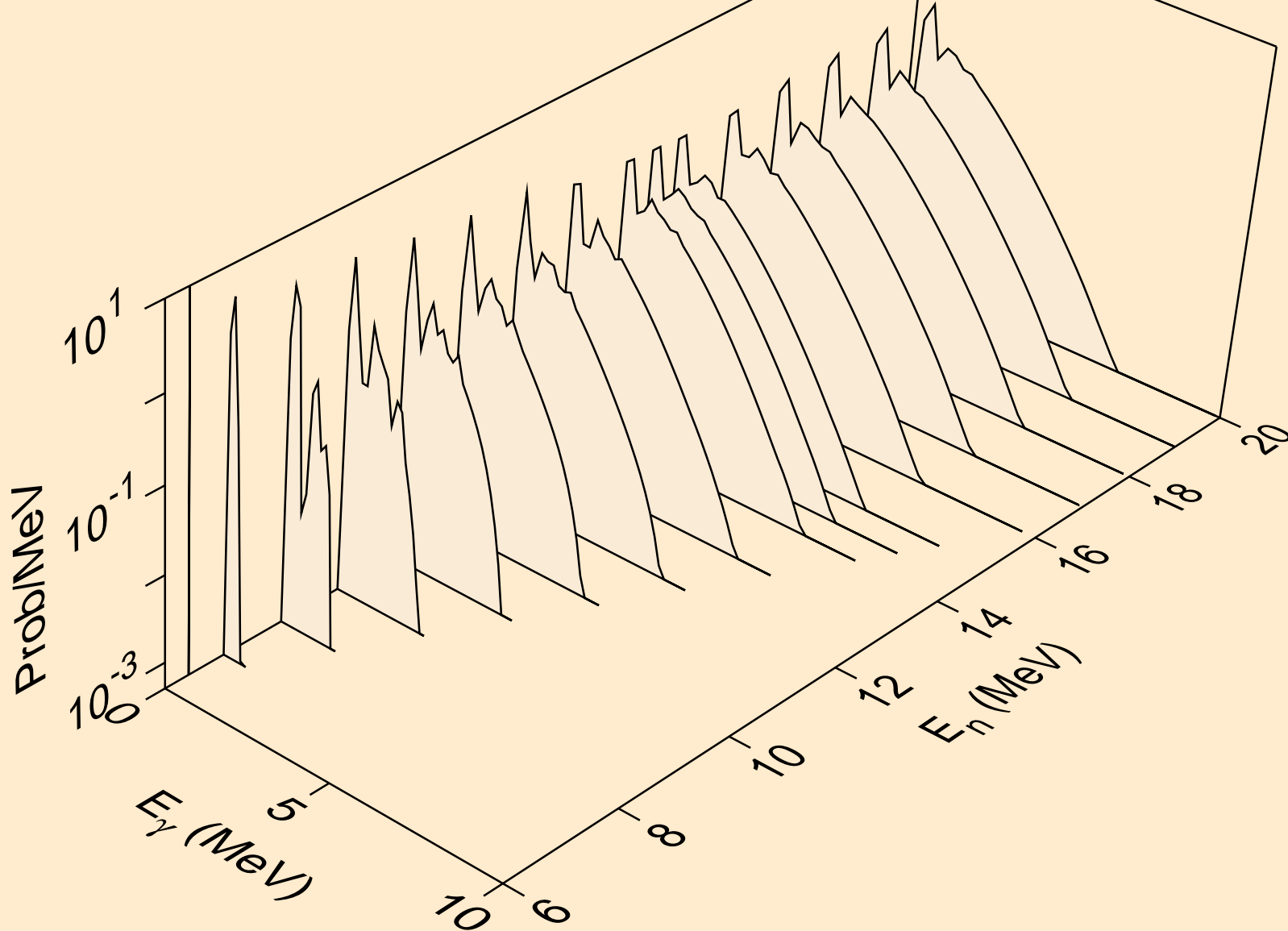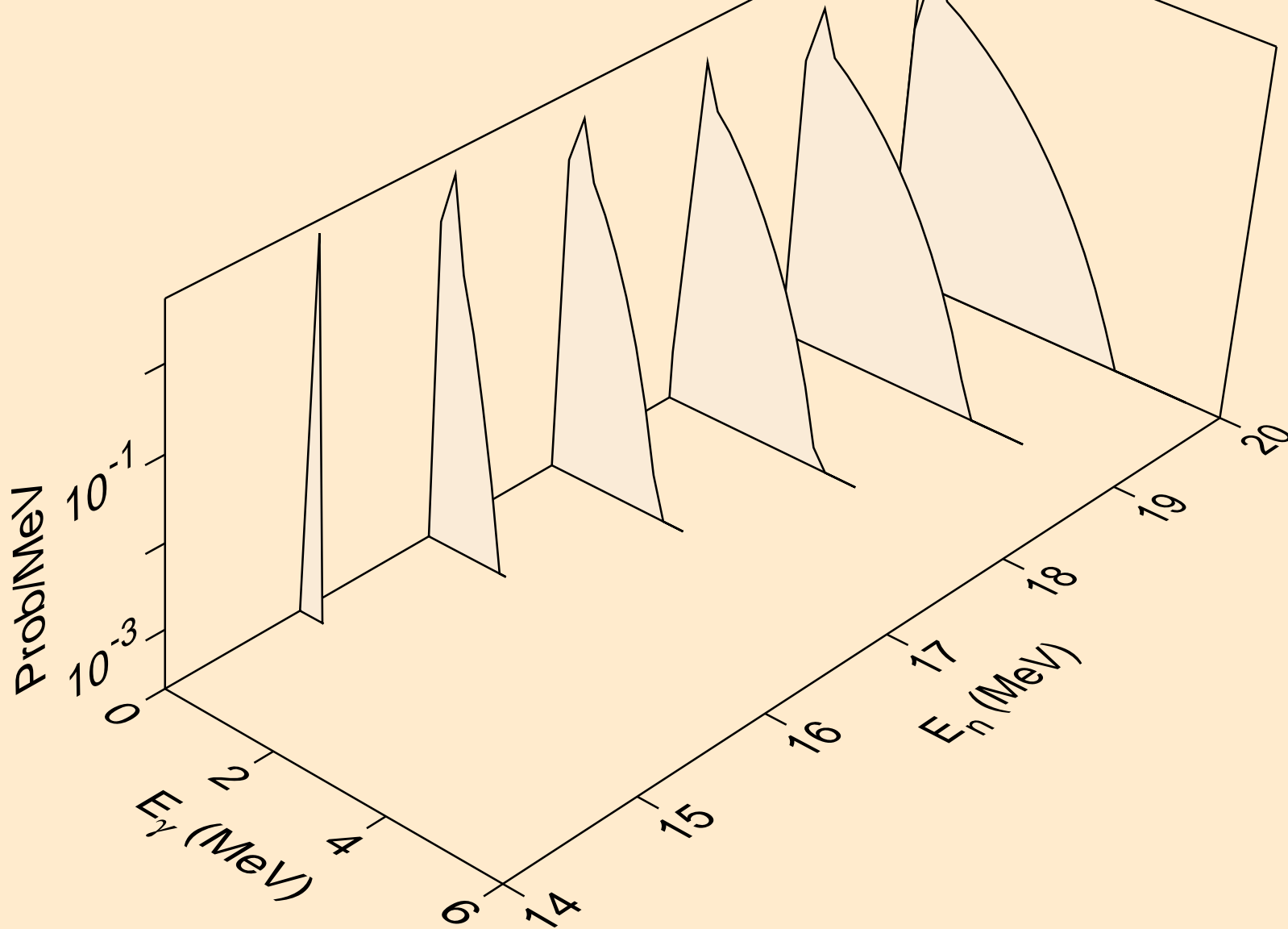MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC

Photon emission for (n,n*)p

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
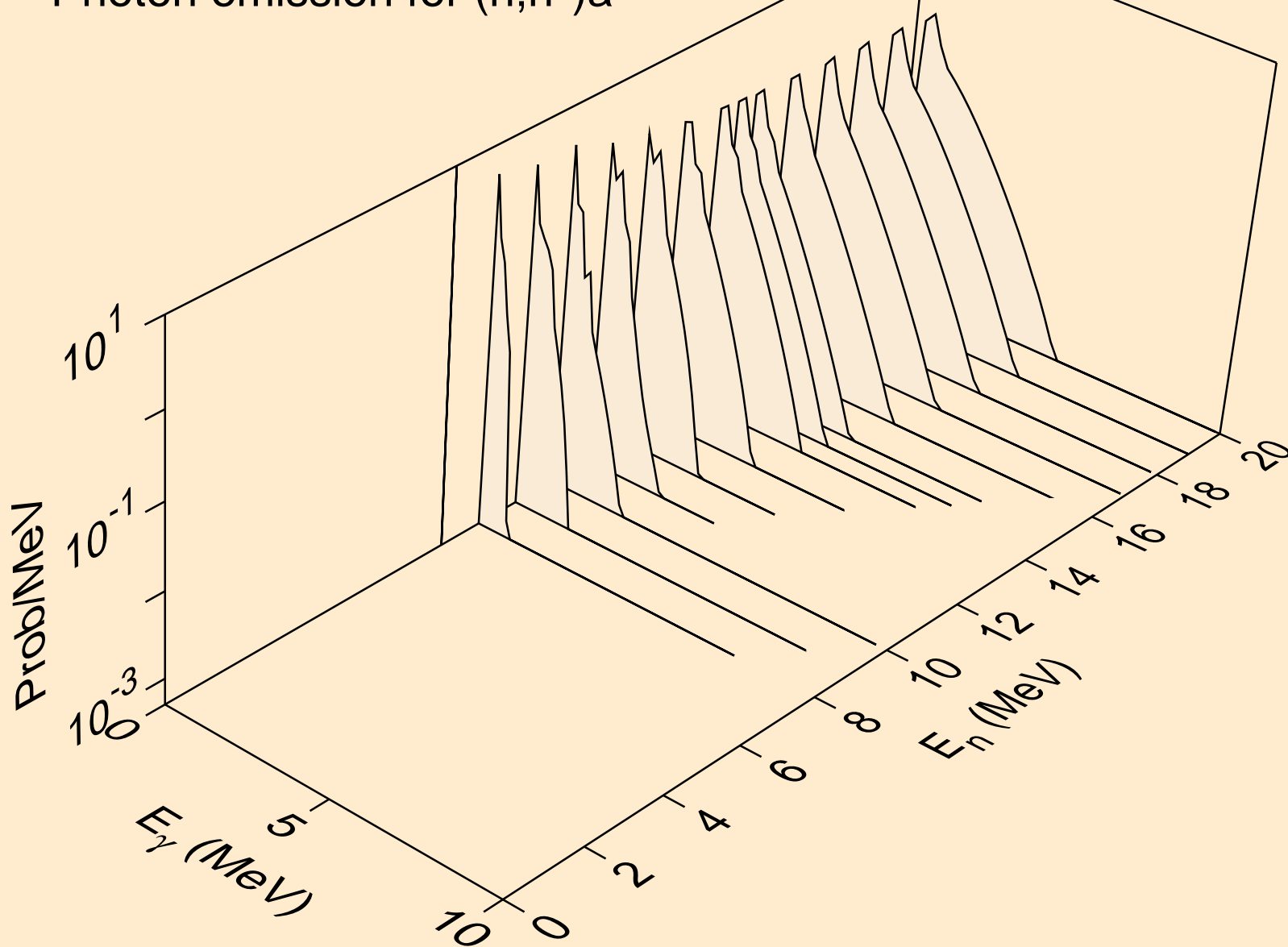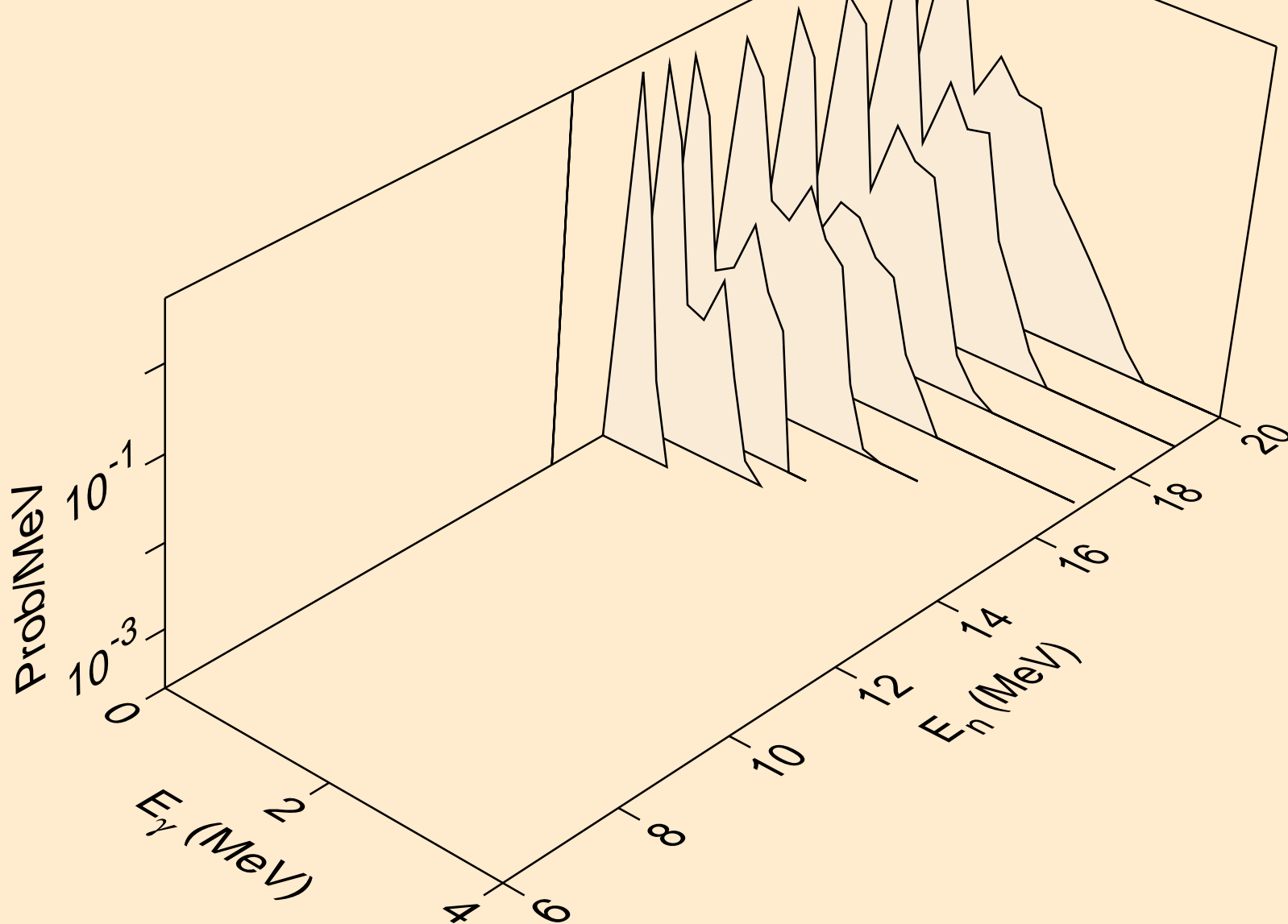Photon emission for (n,2np)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,n*c)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
Photon emission for (n,gma)

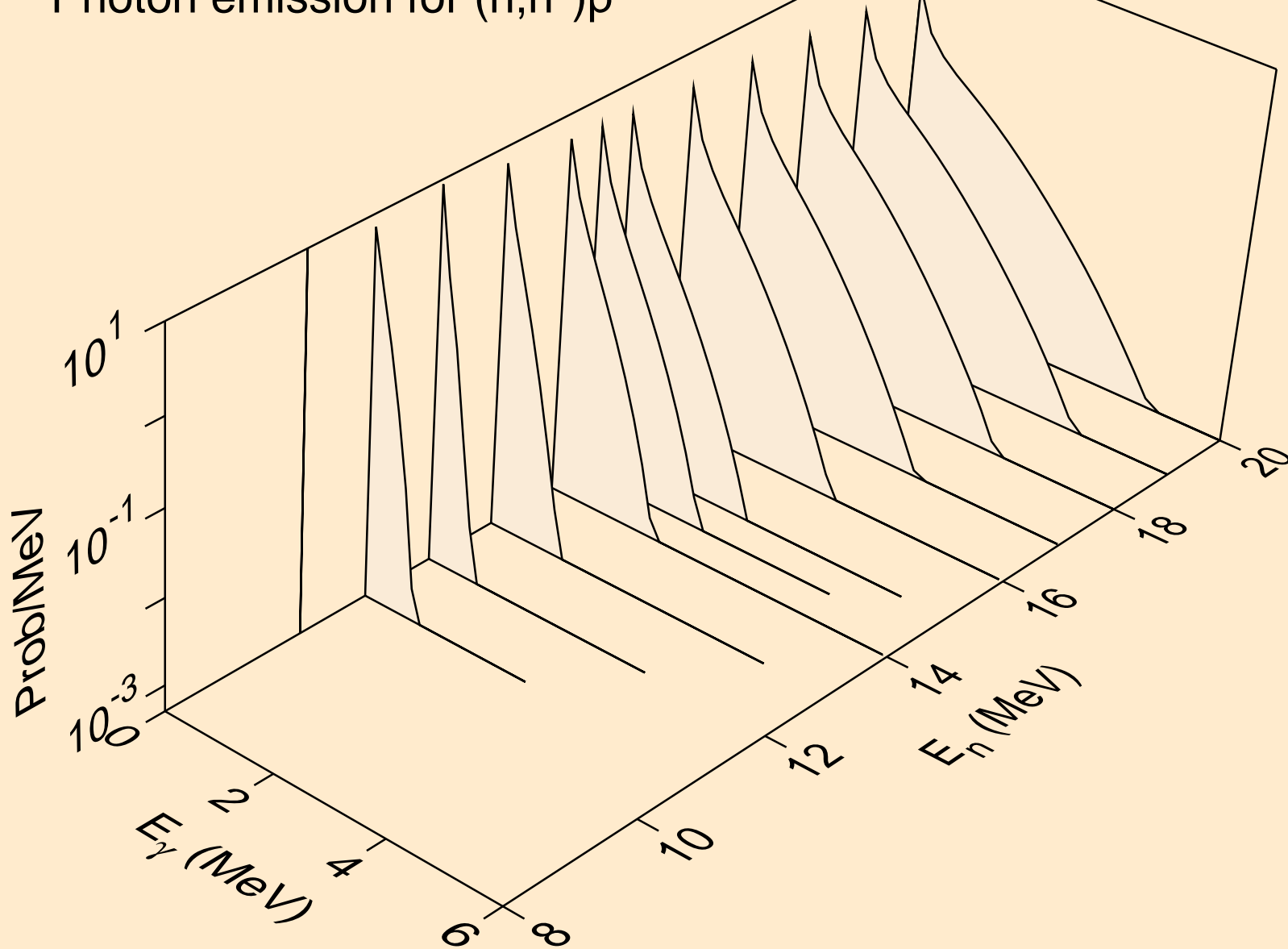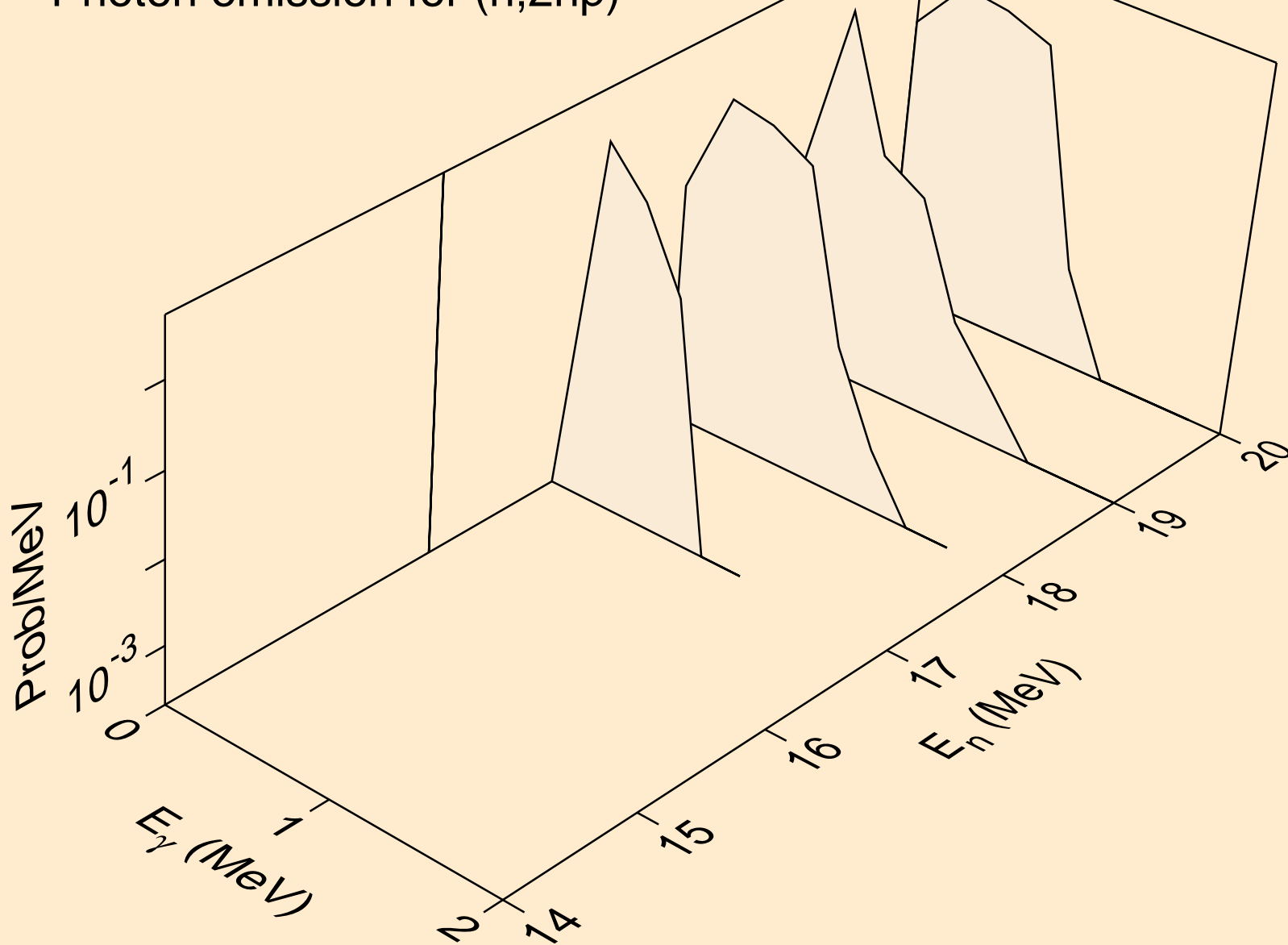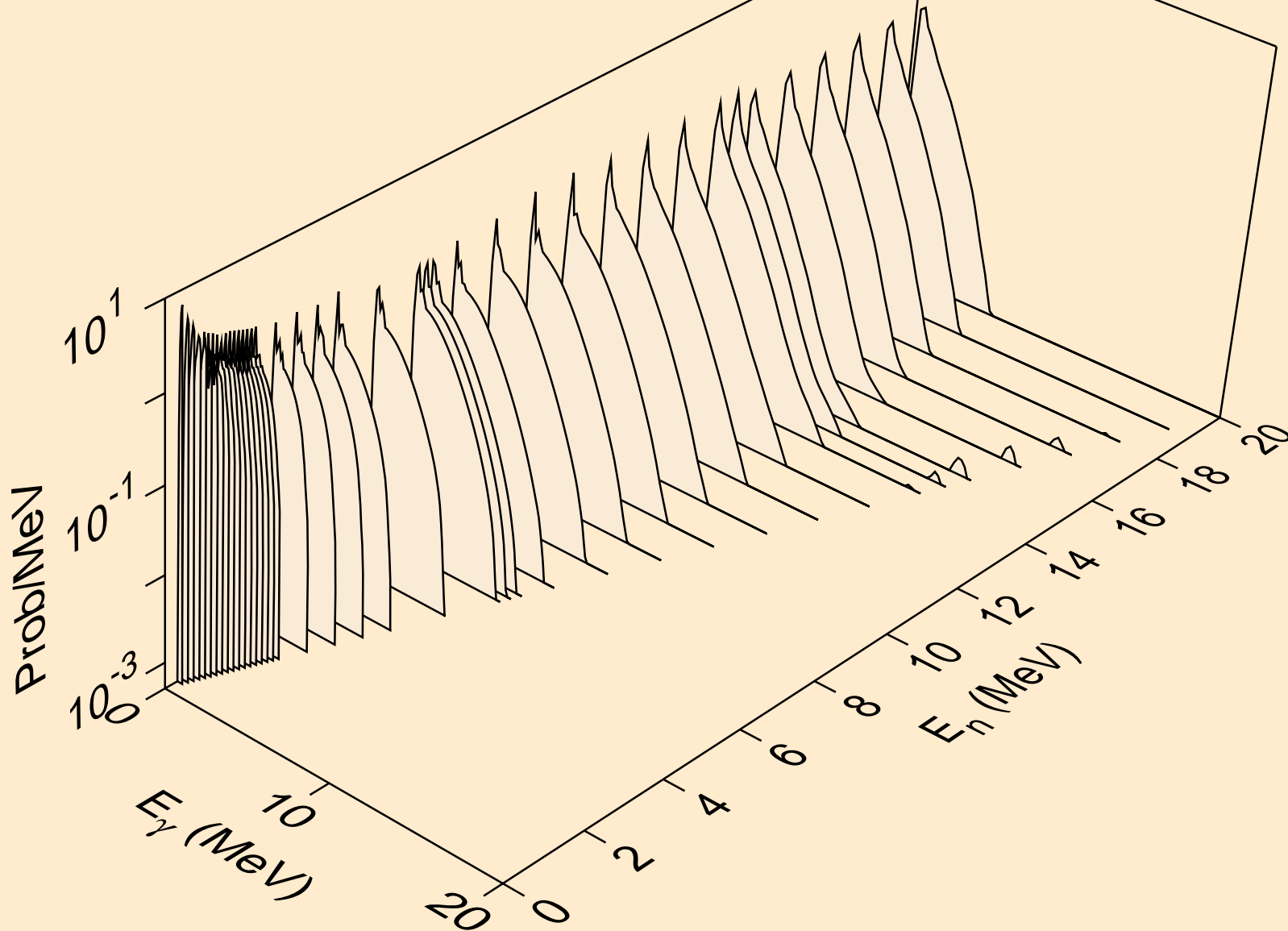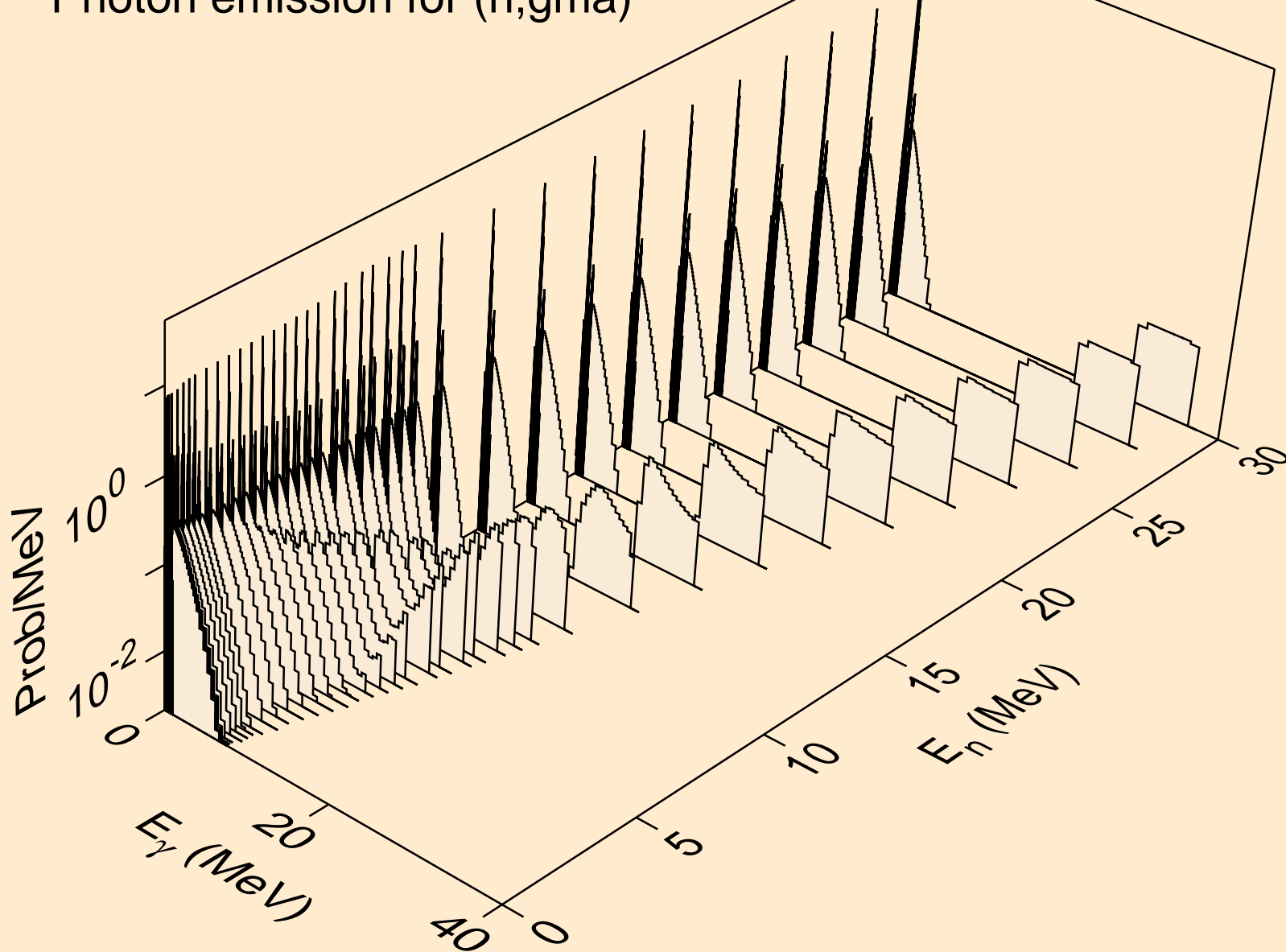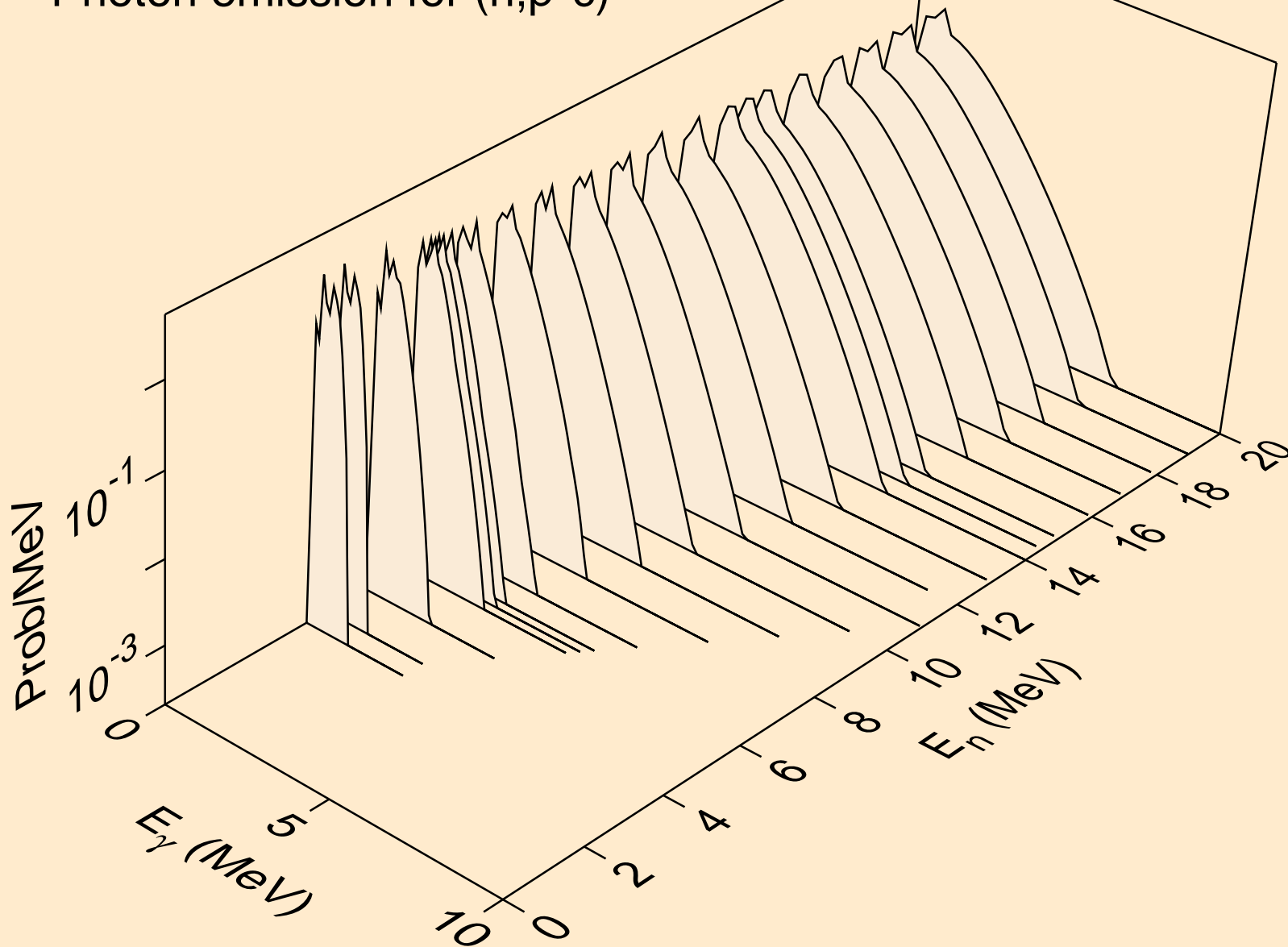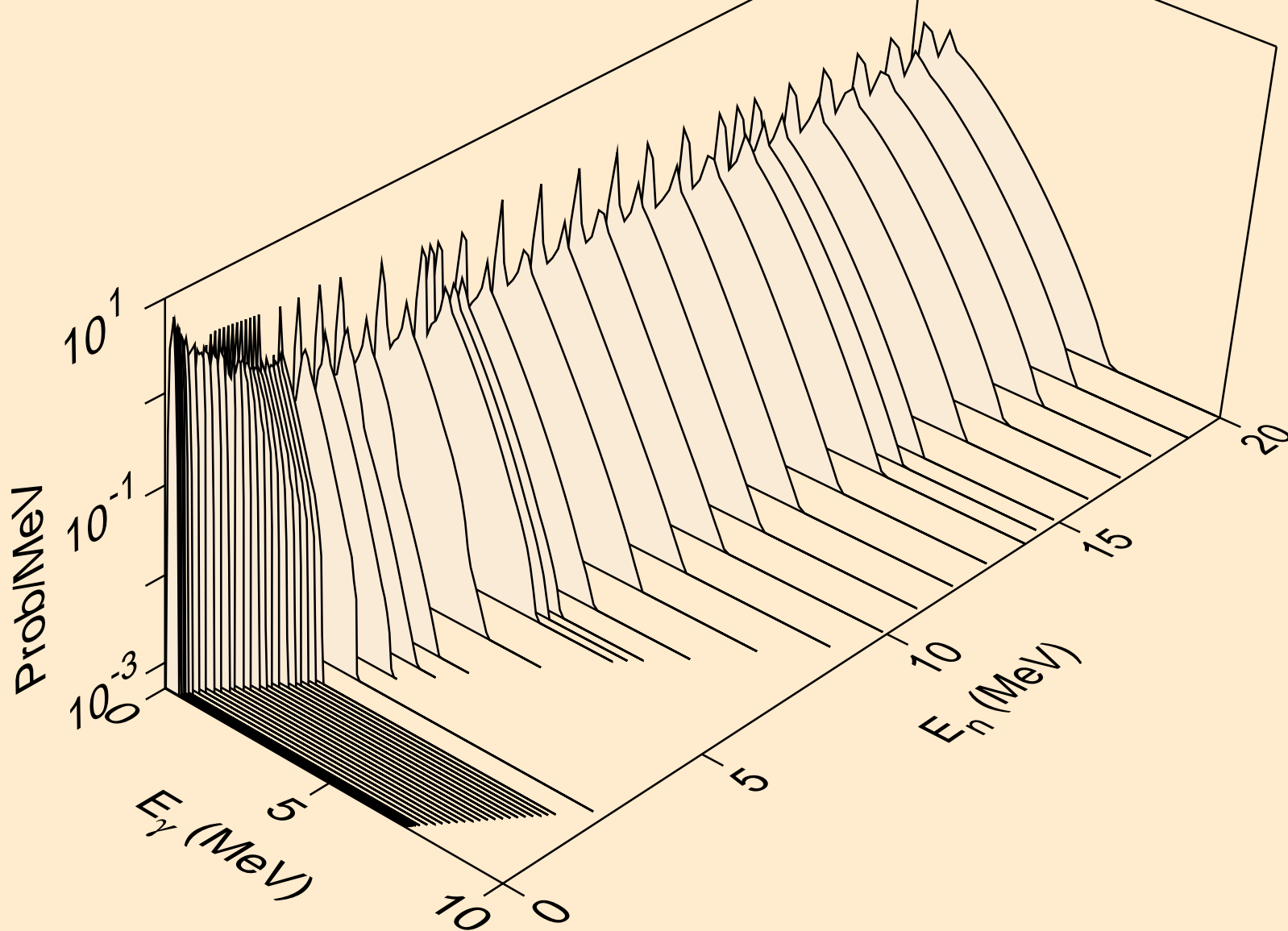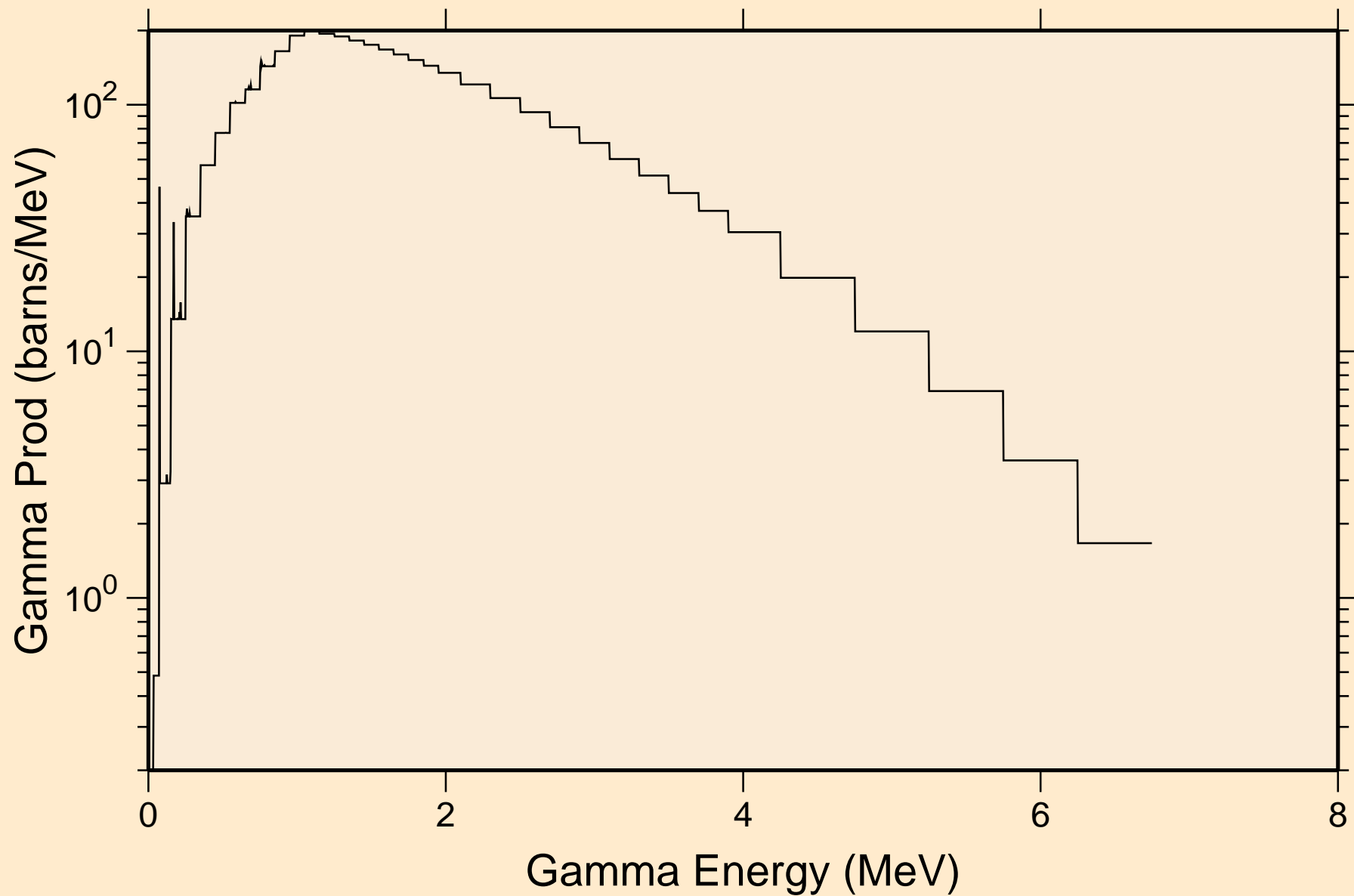MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
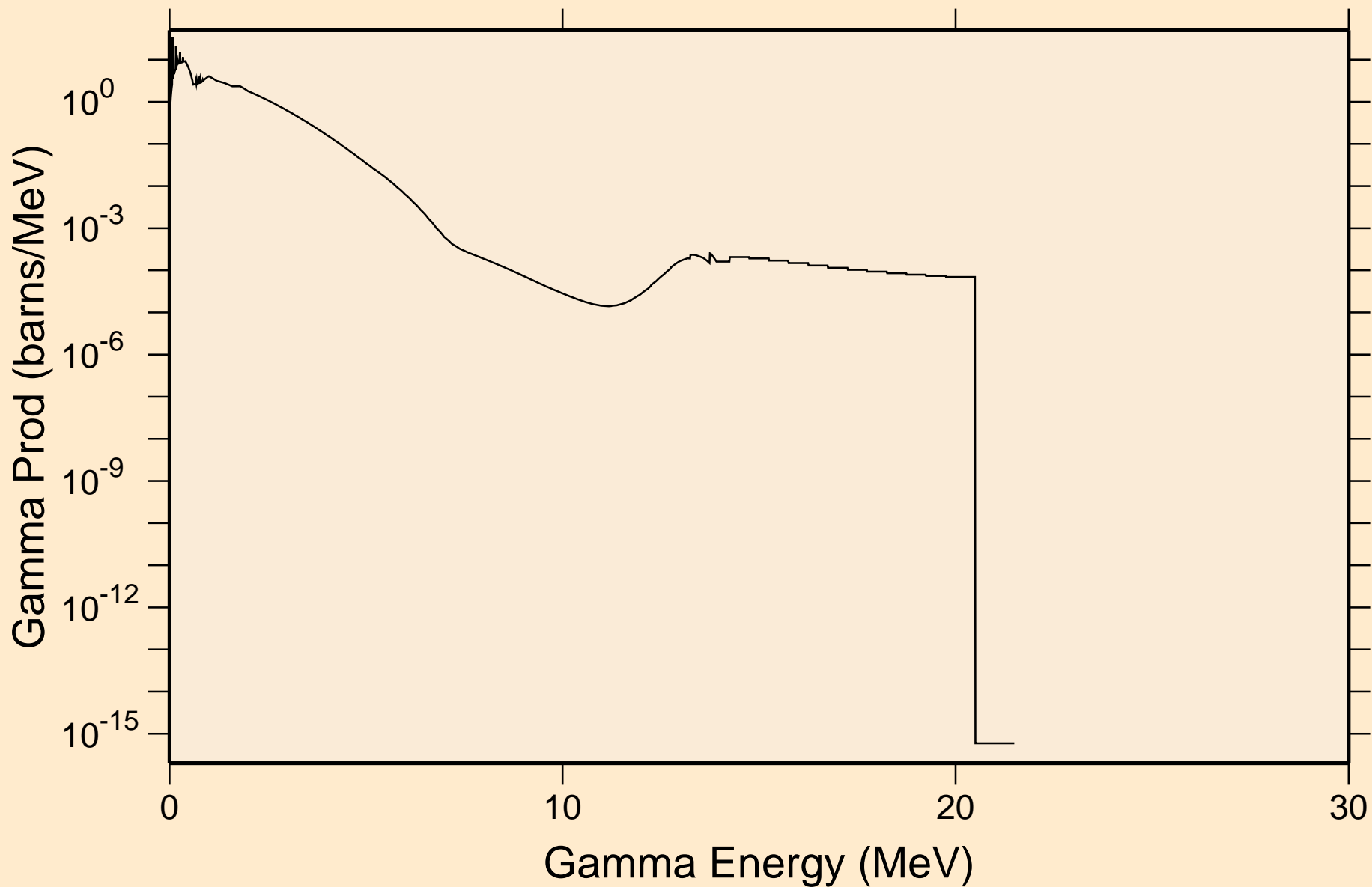Photon emission for (n,p*c)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
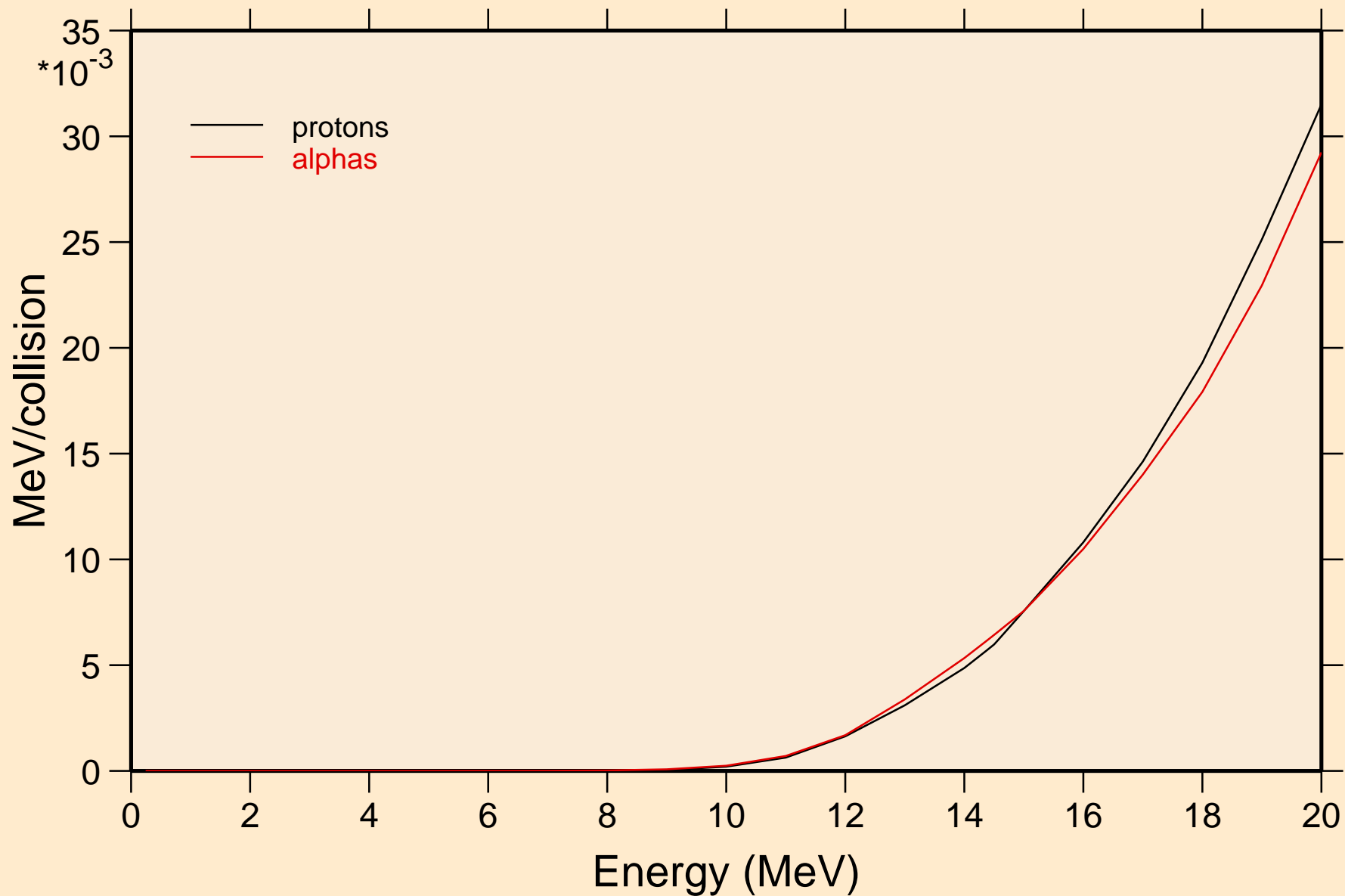Photon emission for (n,a*c)

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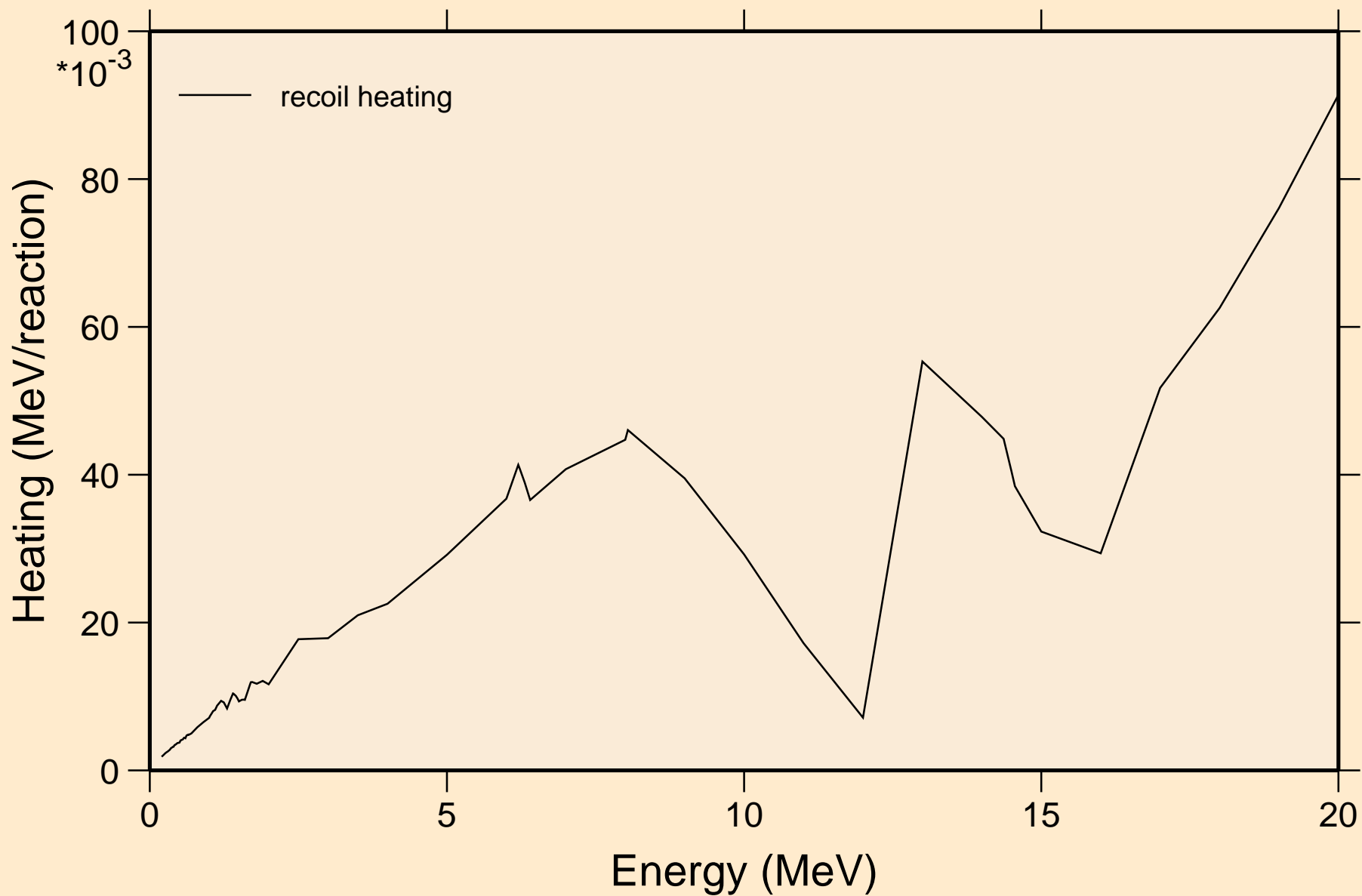thermal capture photon spectrum

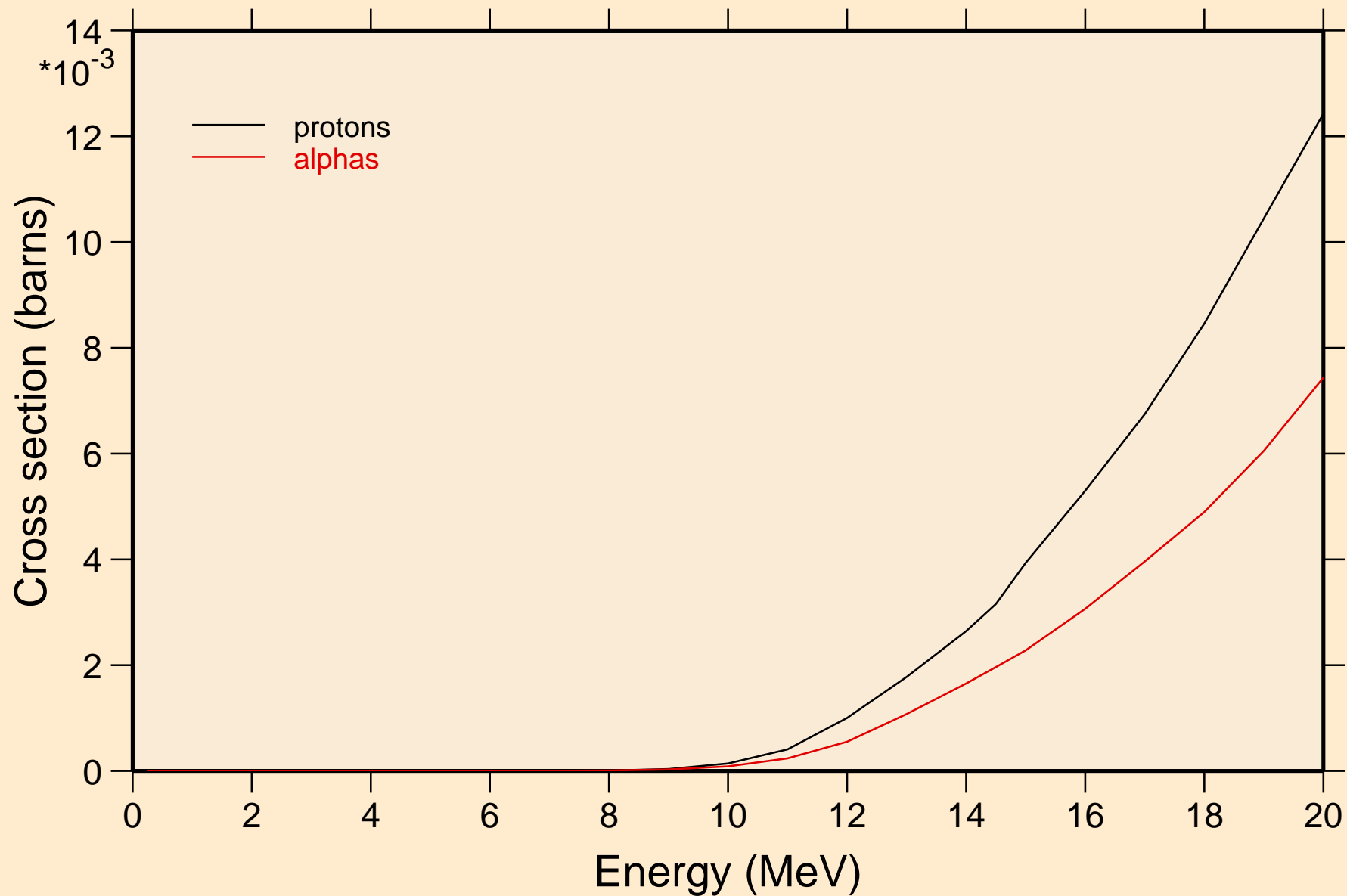MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC

14 MeV photon spectrum

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
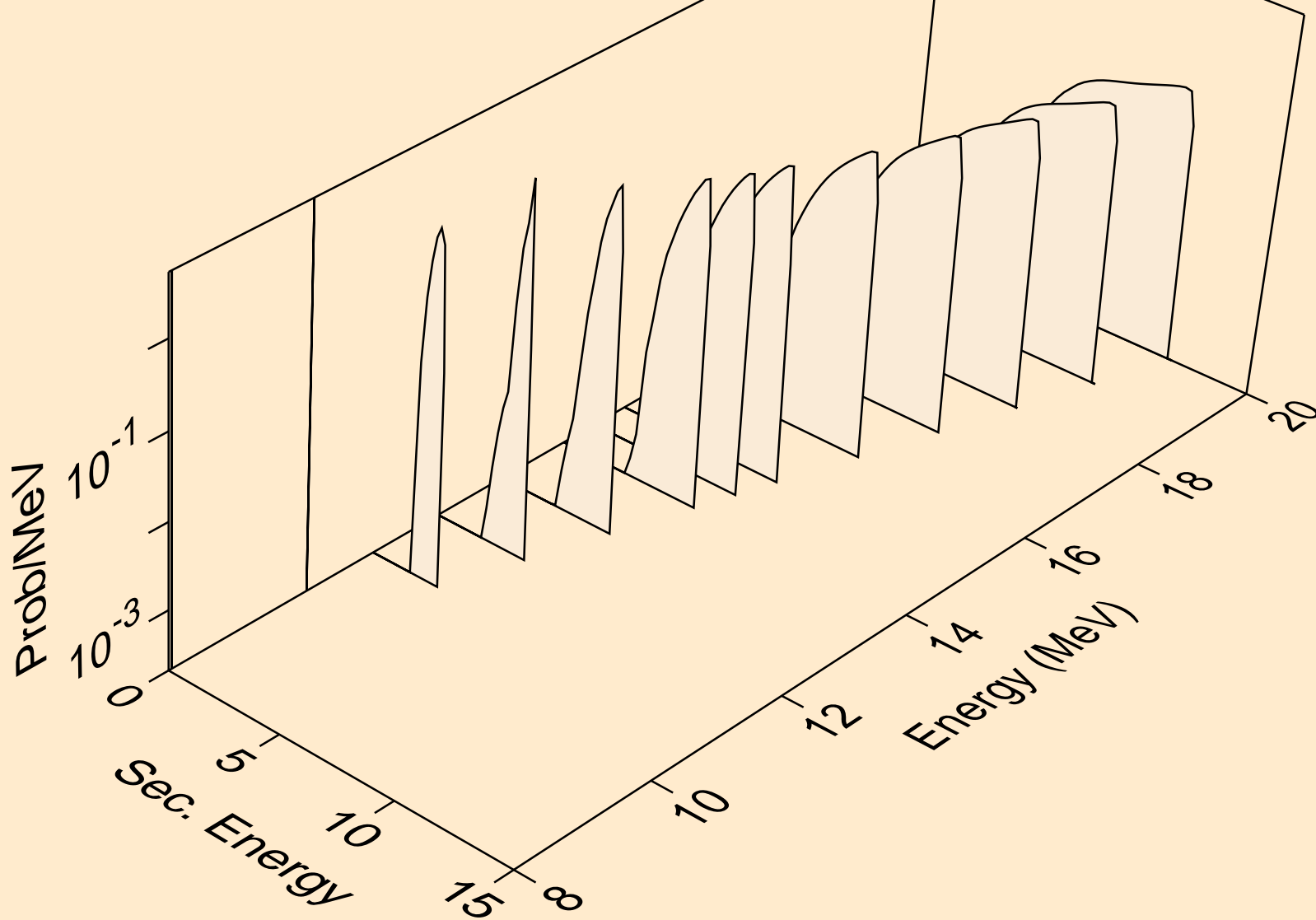Particle heating contributions

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
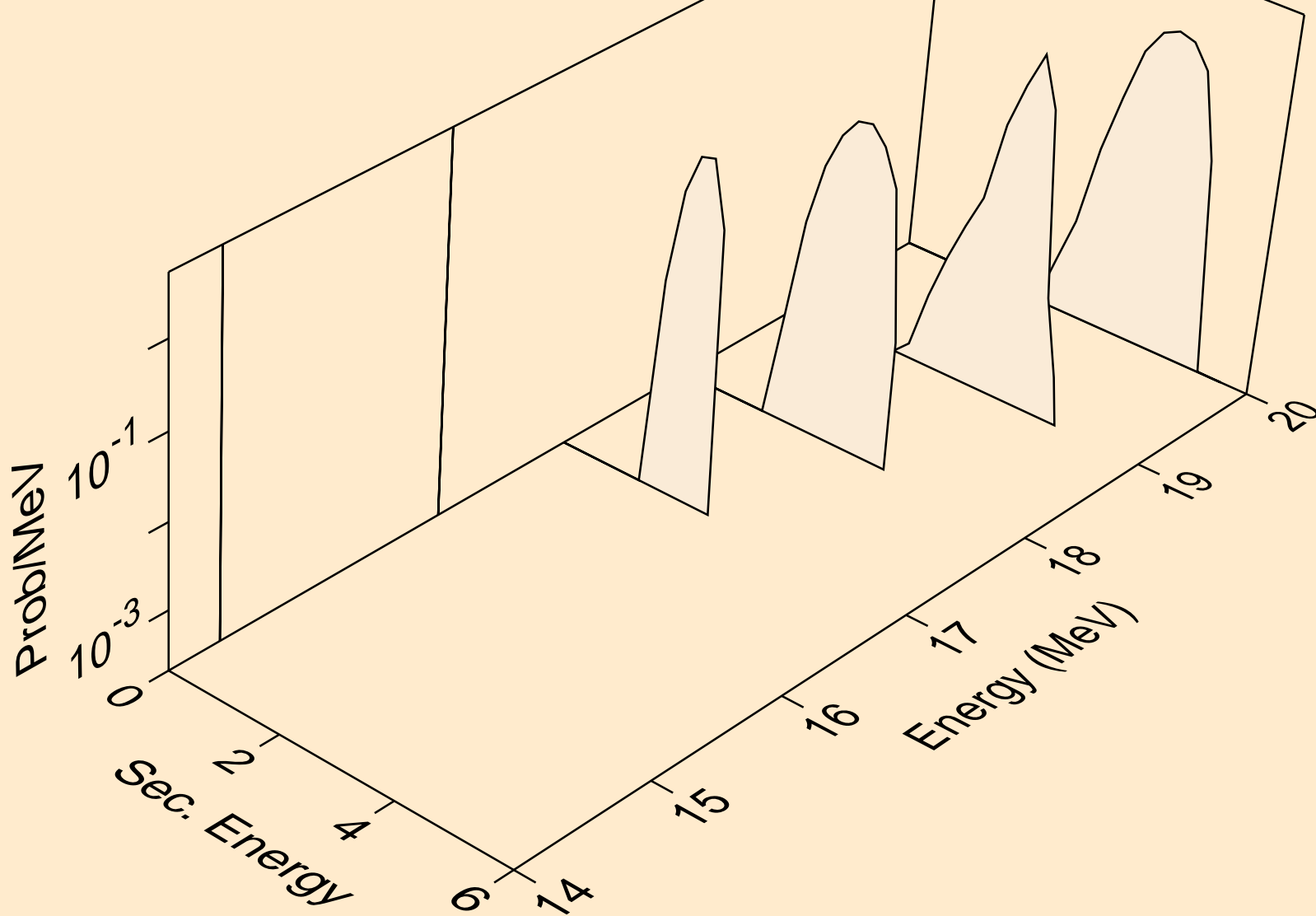Recoil Heating

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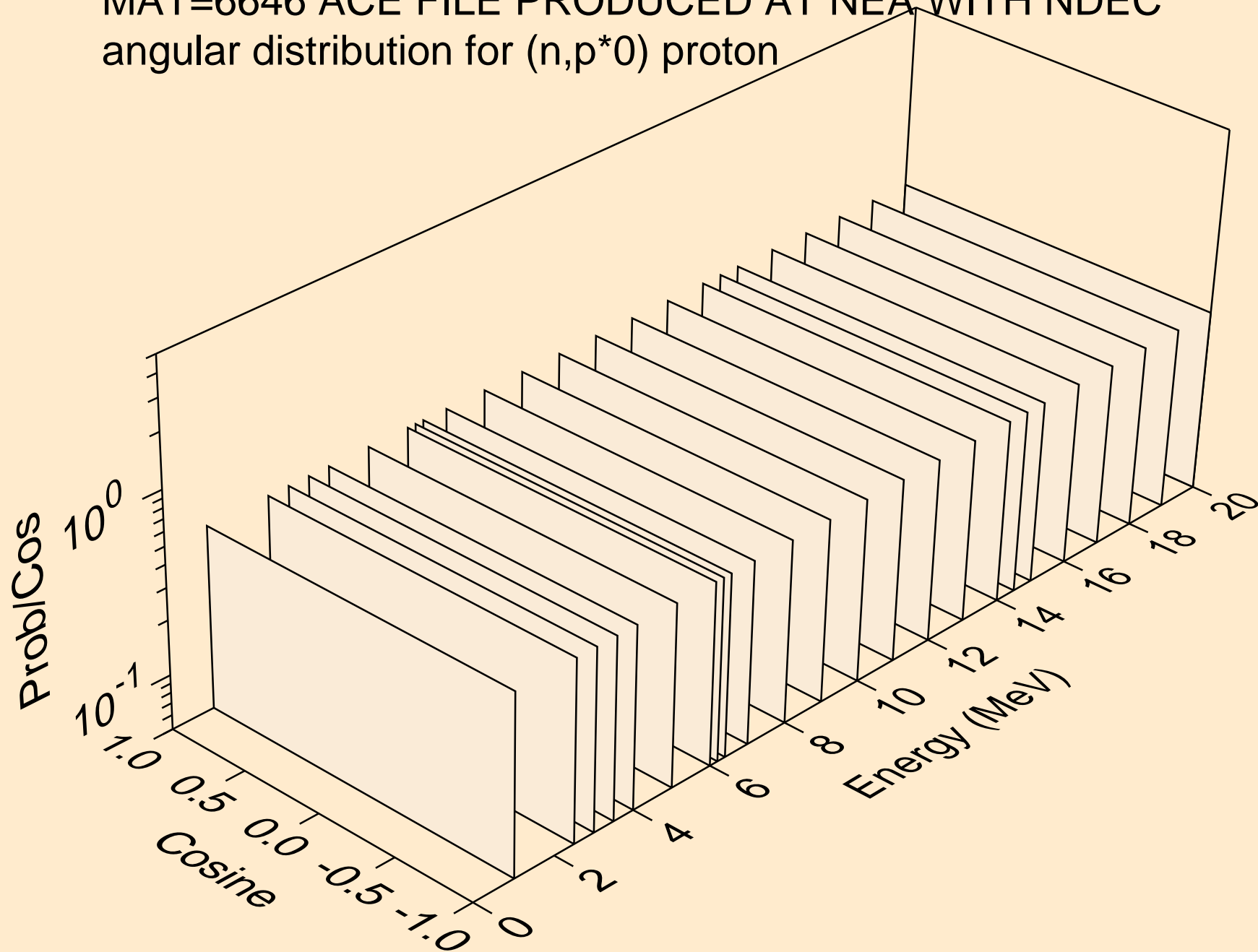Particle production cross sections

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
protons from (n,n*)p

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
protons from (n,2np)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*0) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*1) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*2) proton

ProbICos

10^0

10^{-1}

Cosine

1.0 0.5 0.0 -0.5 -1.0

Energy (MeV)

0 2 4 6 8 10 12 14 16 18 20

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*3) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*4) proton

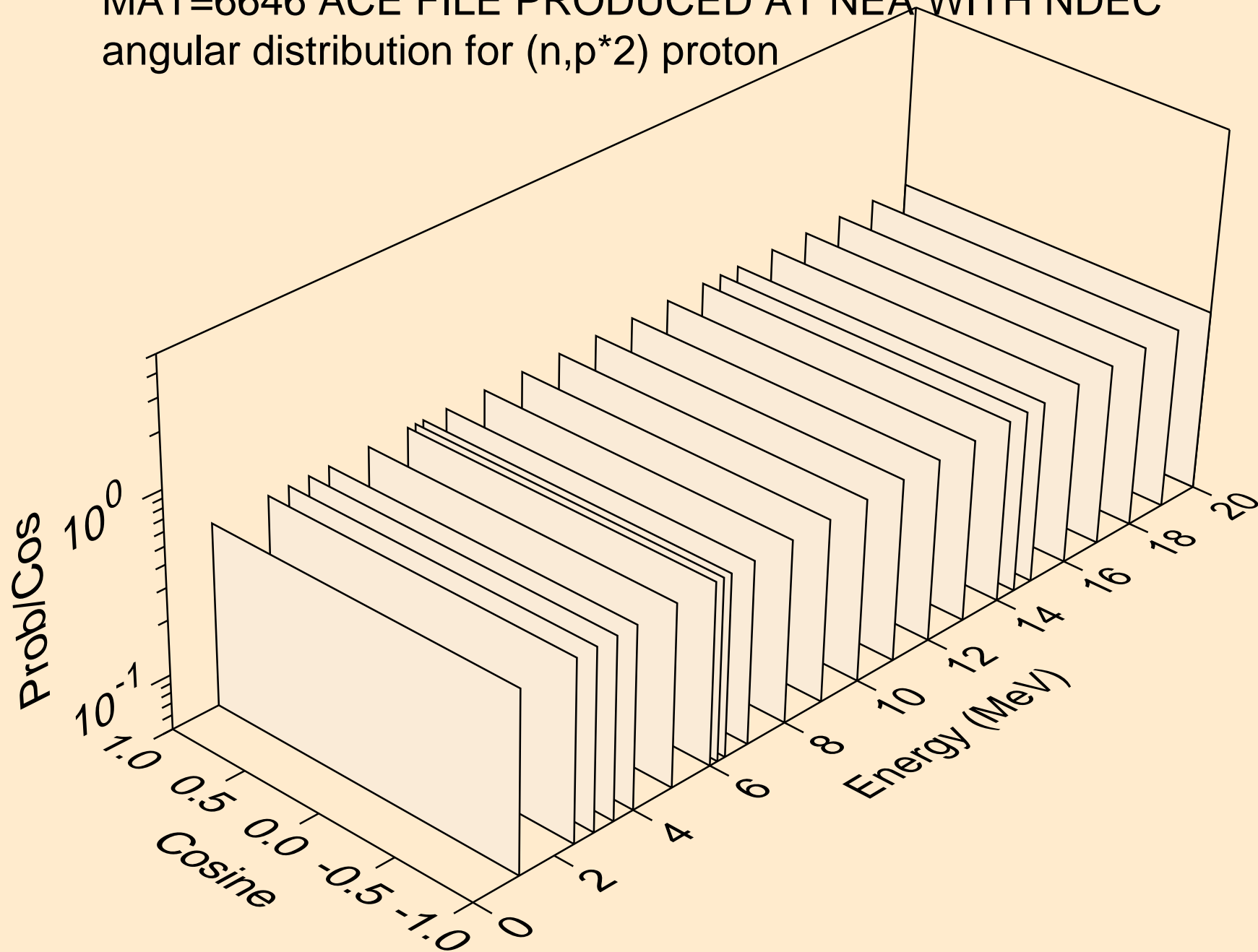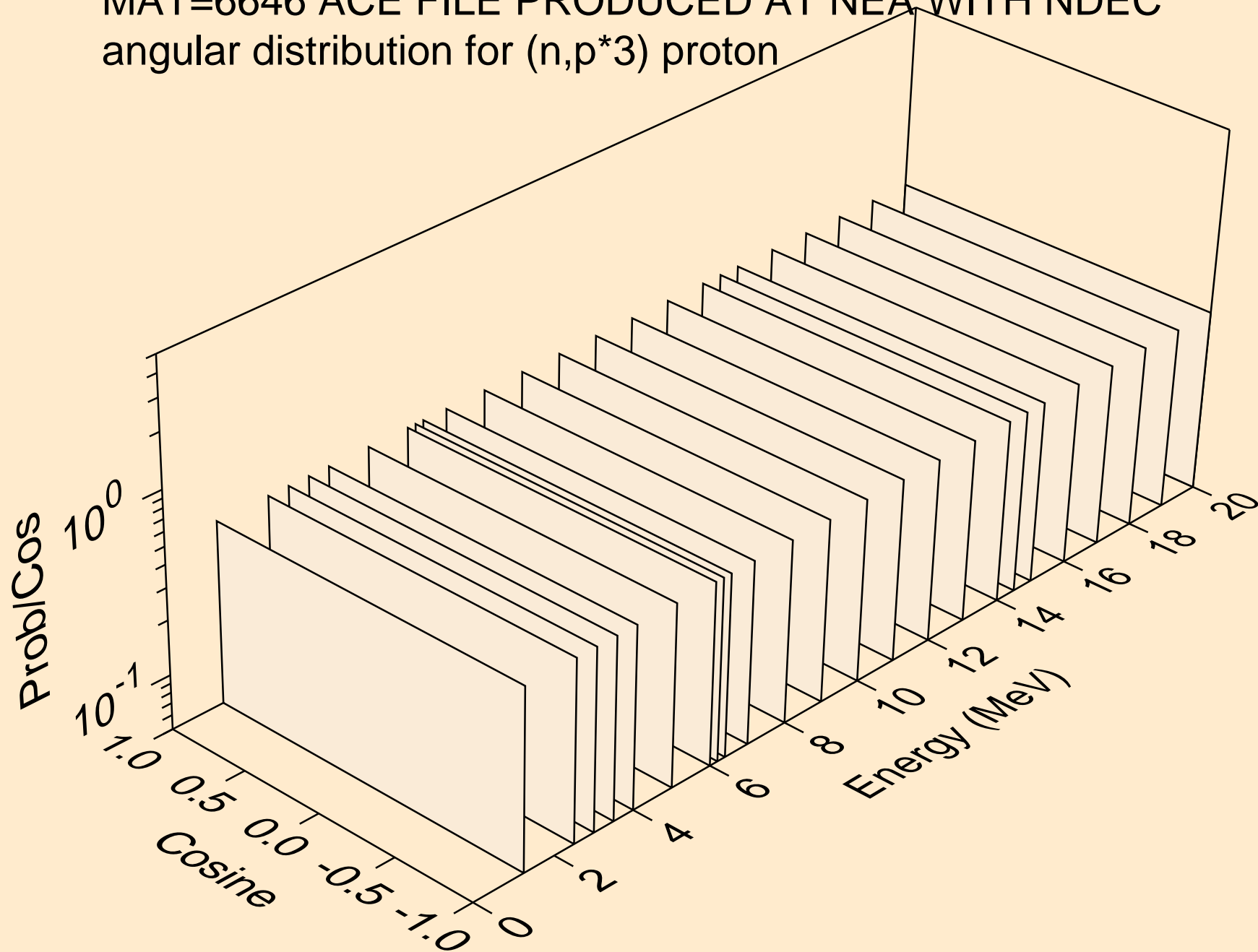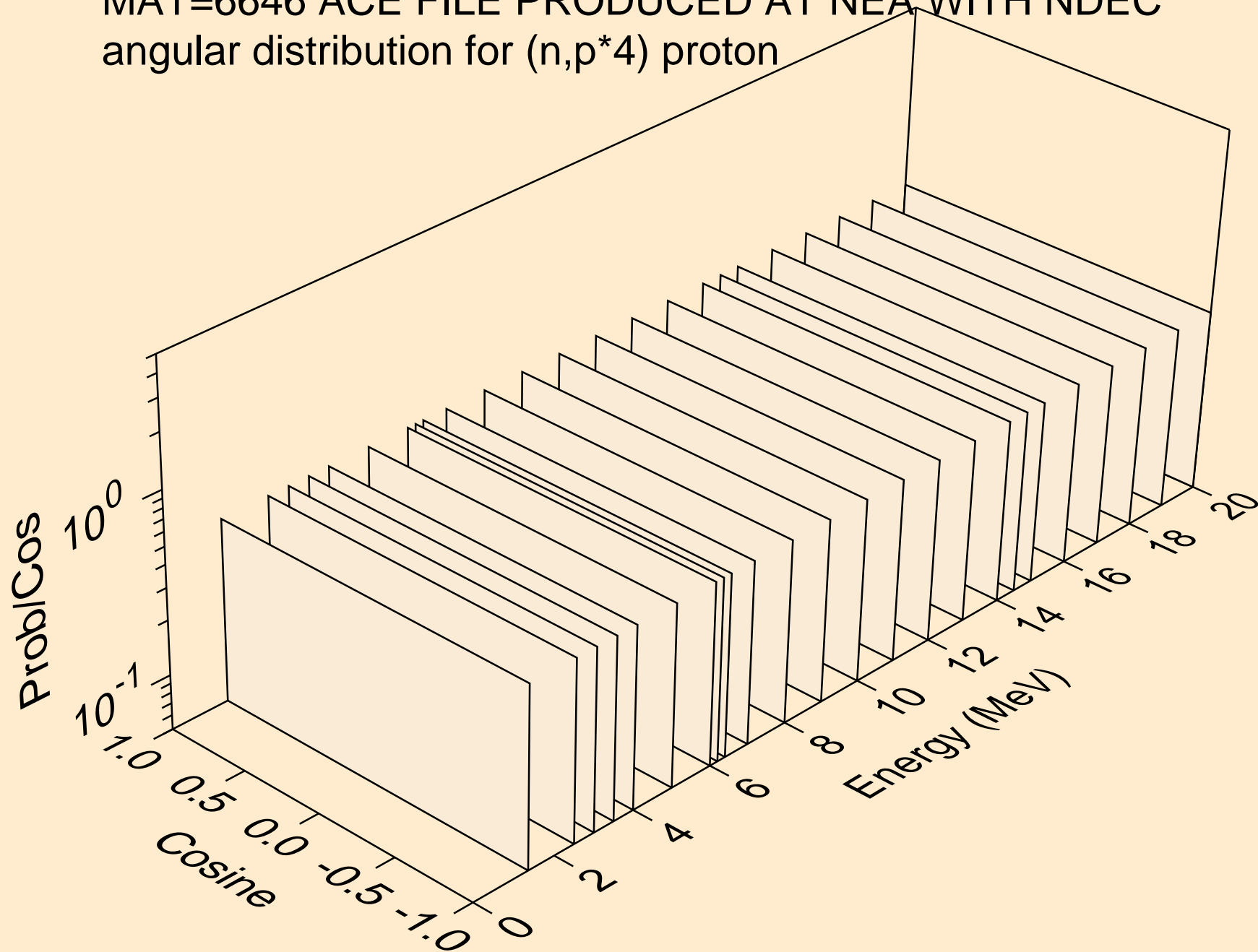MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*5) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*6) proton

Prob|Cos

10^0

10^{-1}

Cosine

1.0 0.5 0.0 -0.5 -1.0

Energy (MeV)

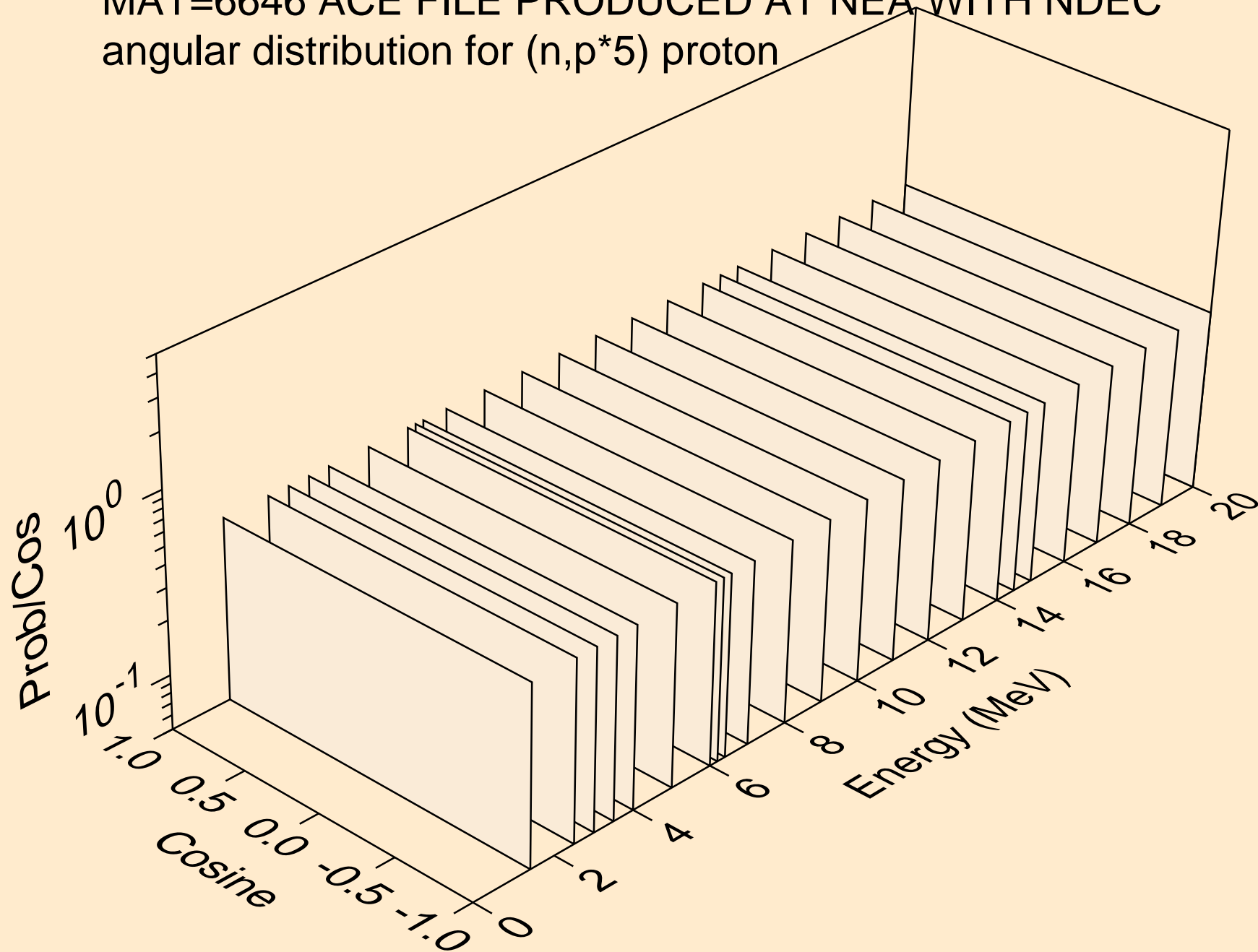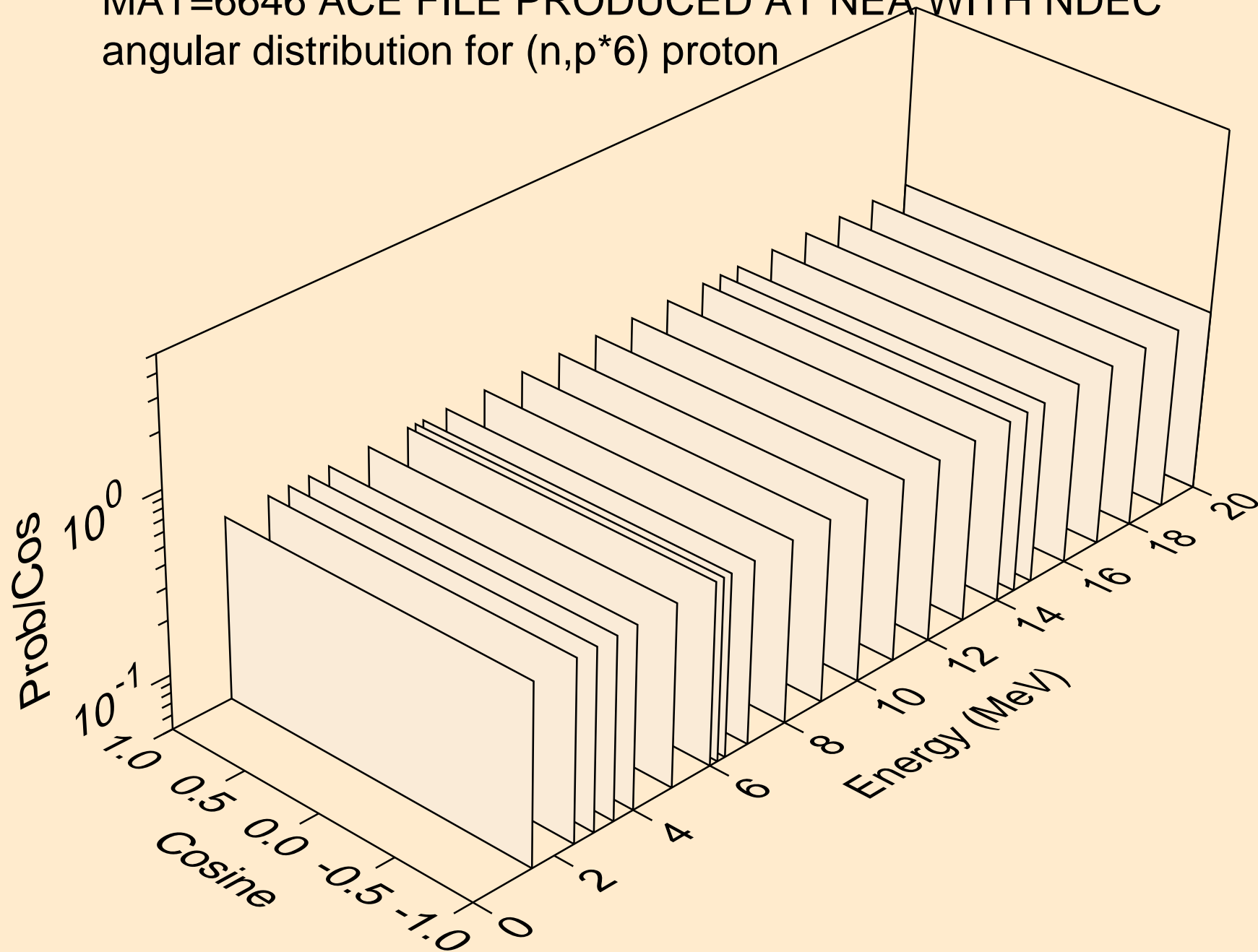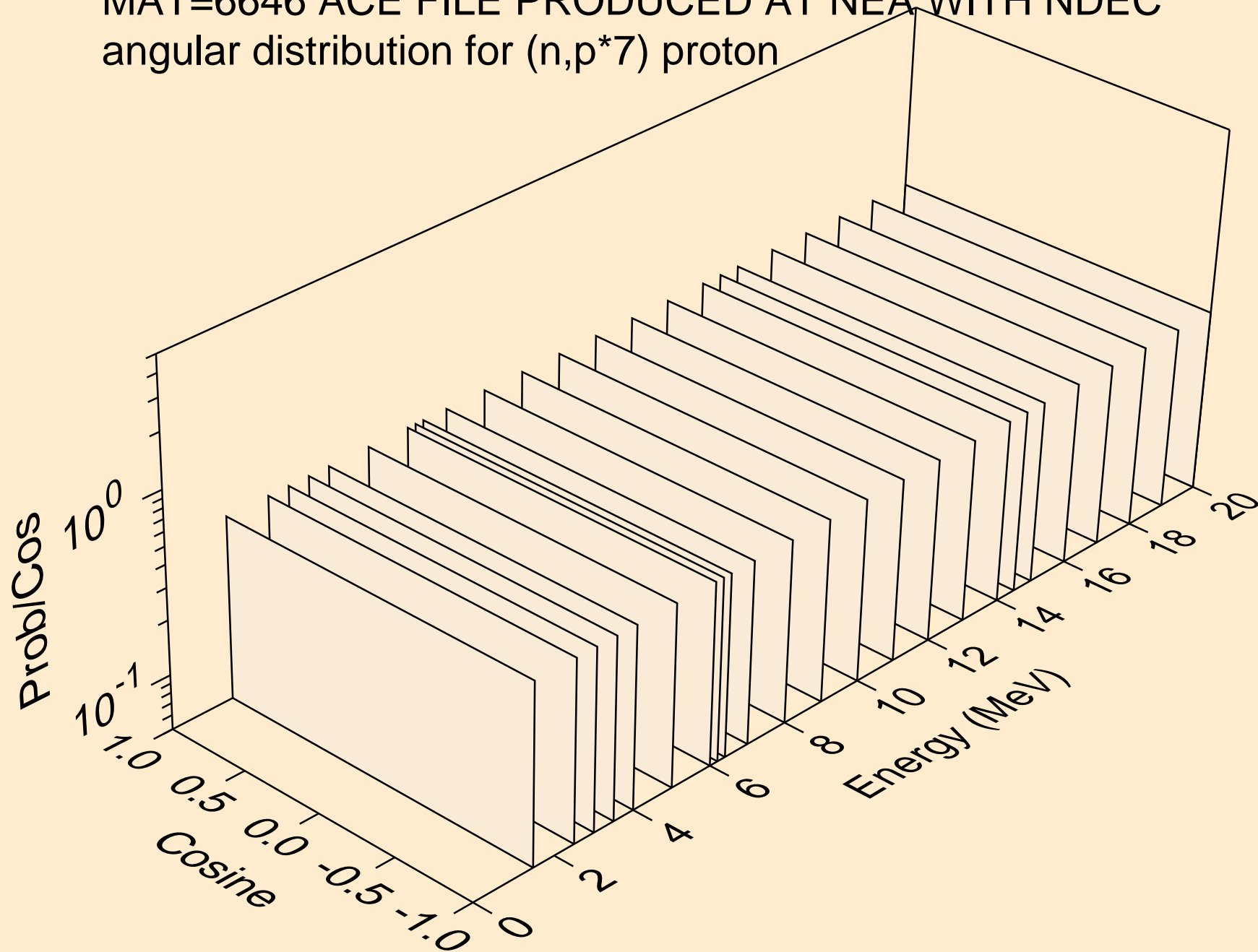0 2 4 6 8 10 12 14 16 18 20

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*7) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*8) proton
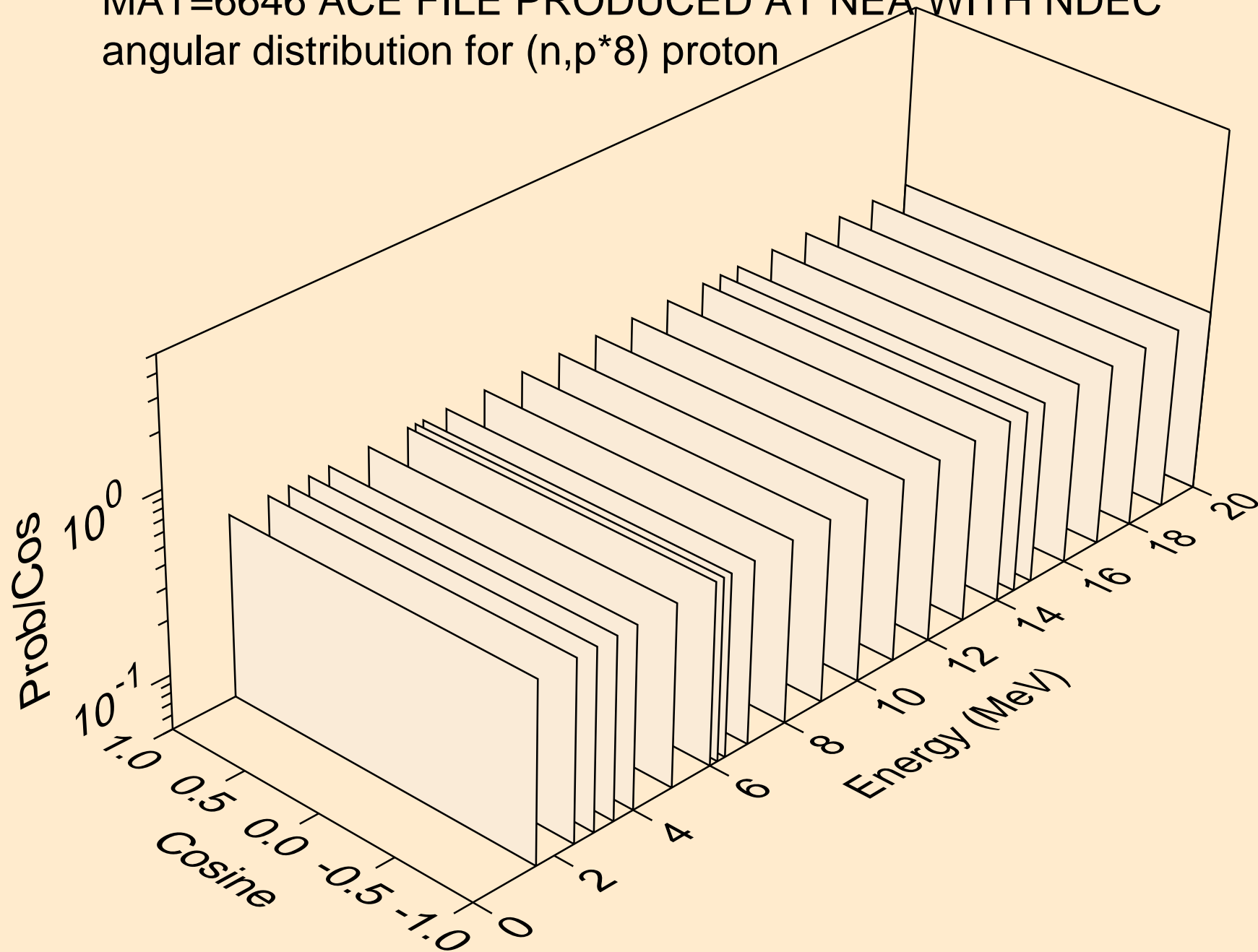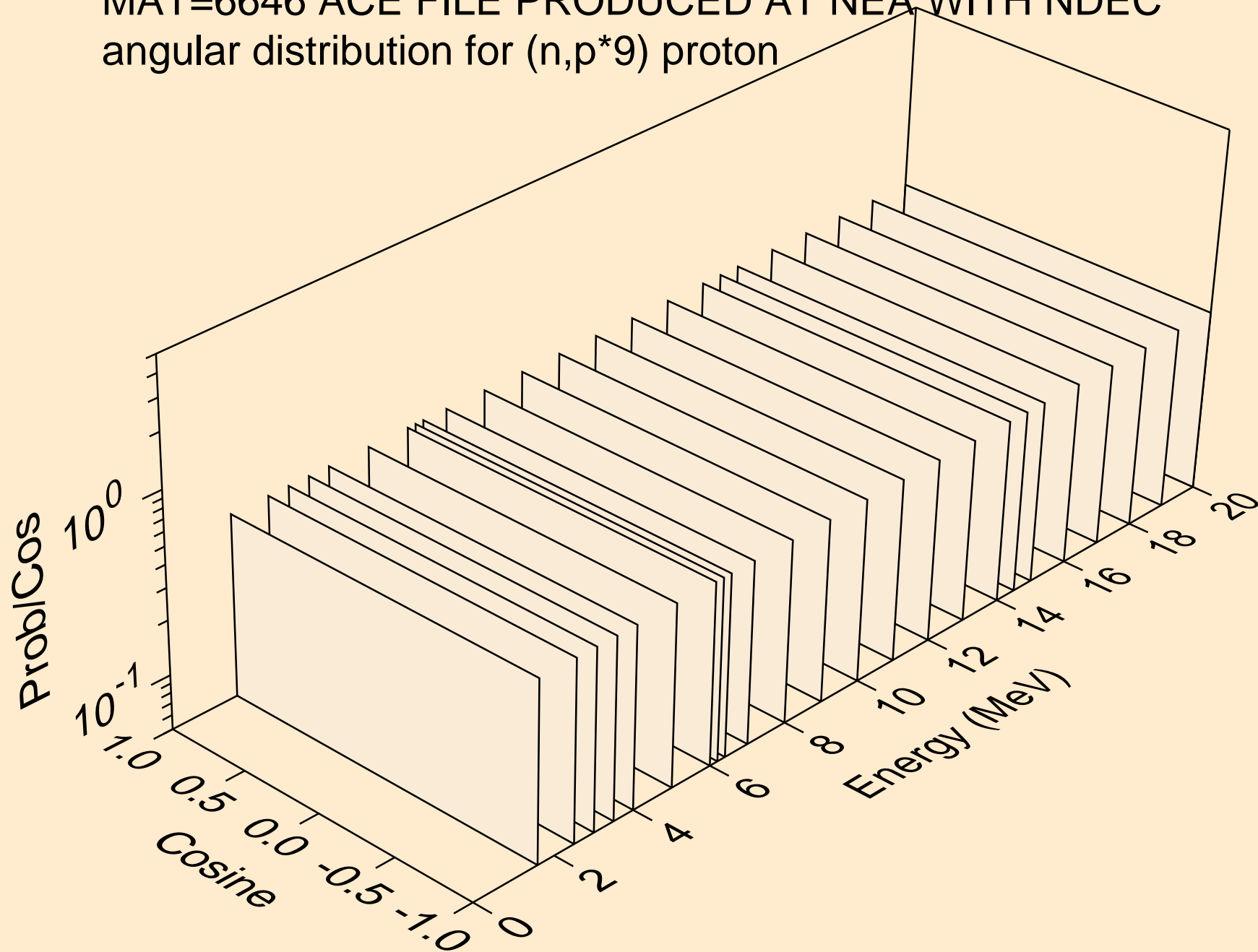
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angular distribution for (n,p*9) proton
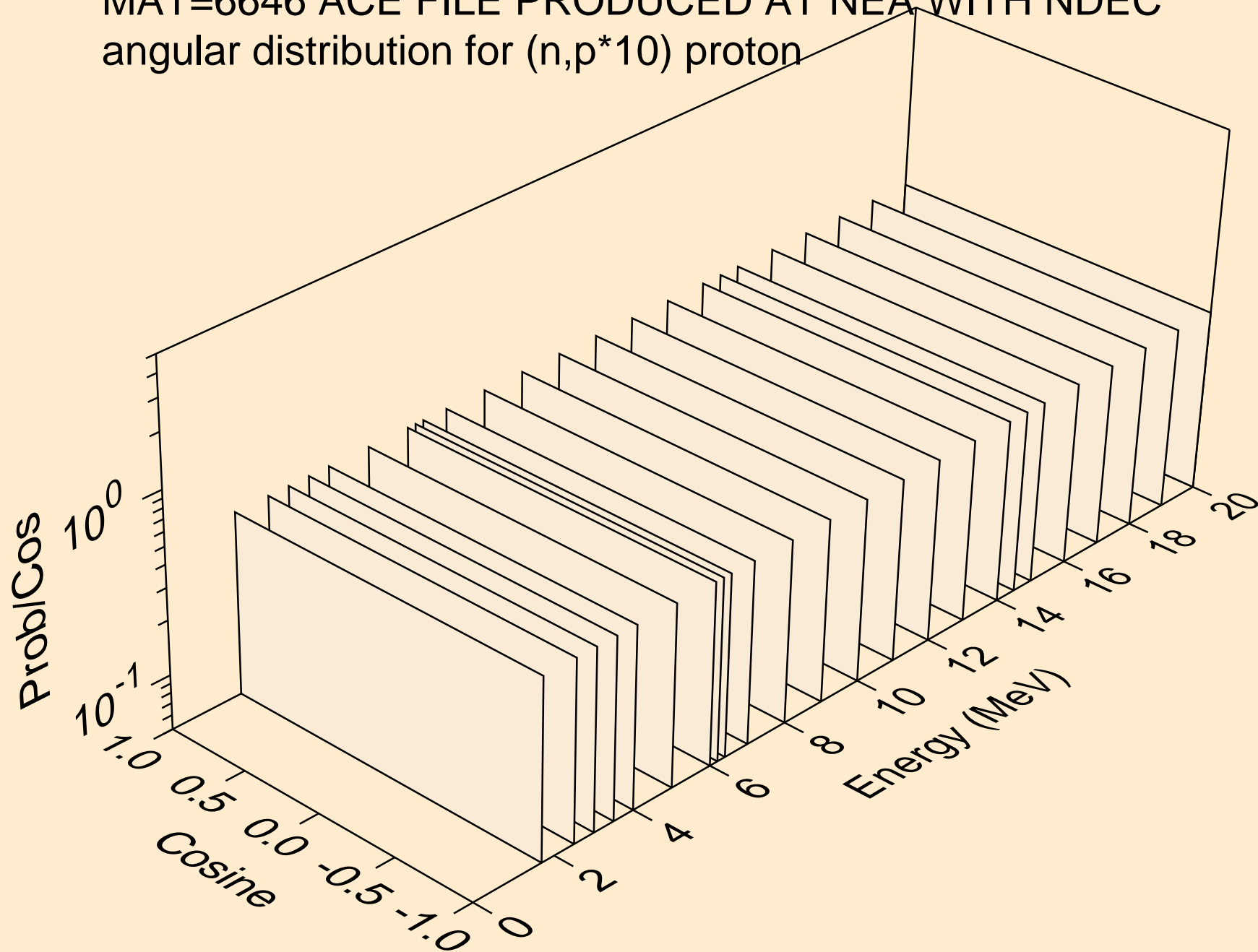
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,p*10) proton
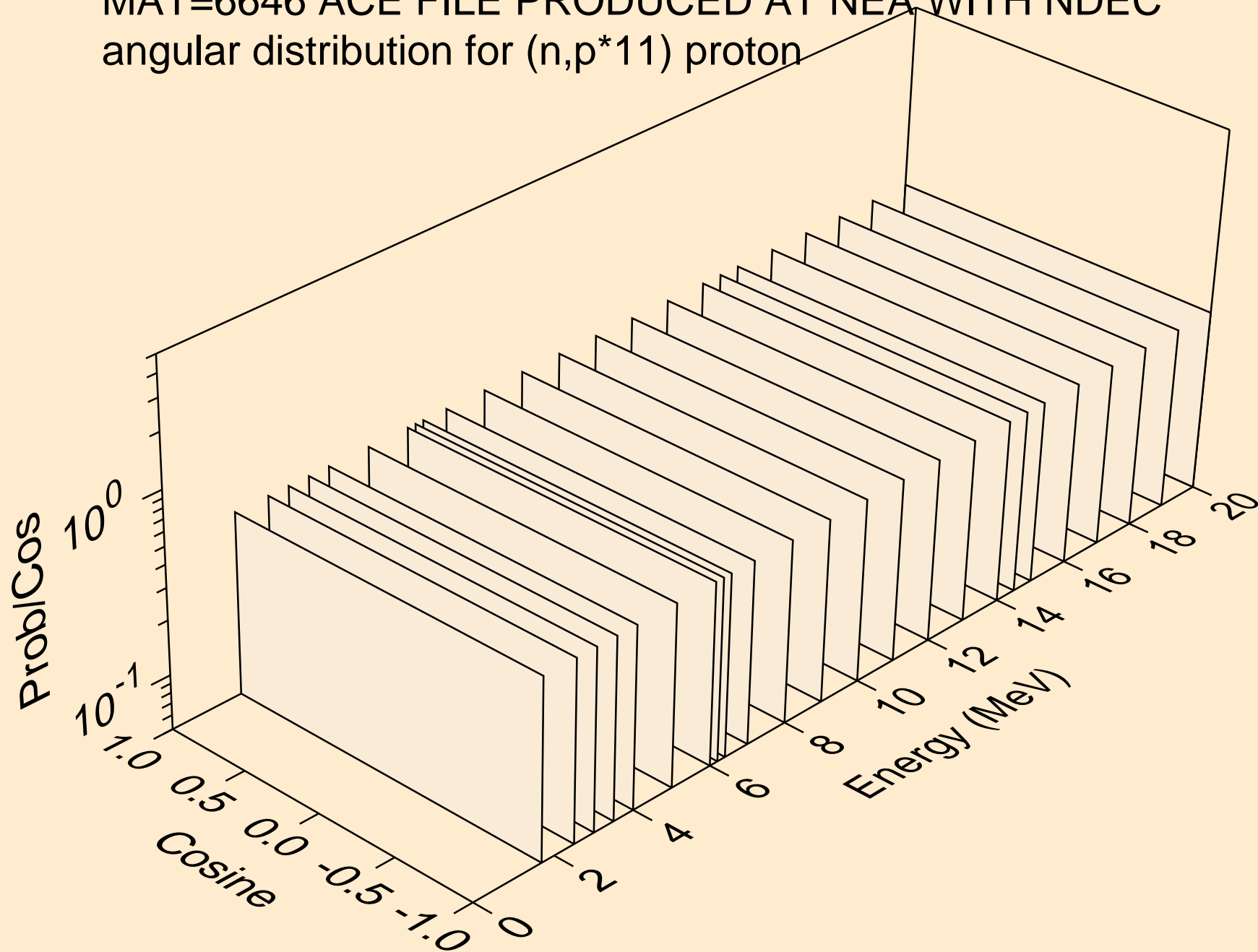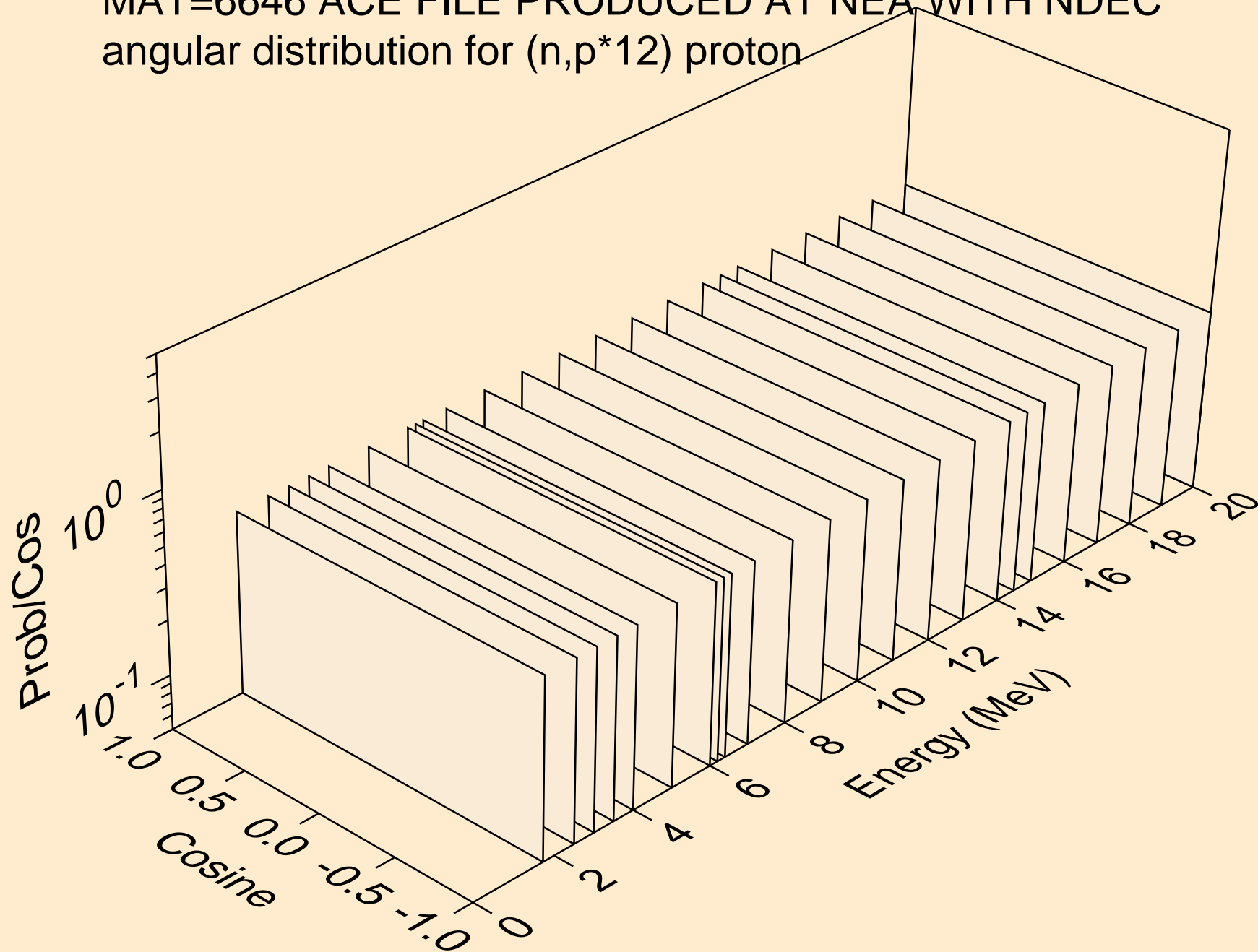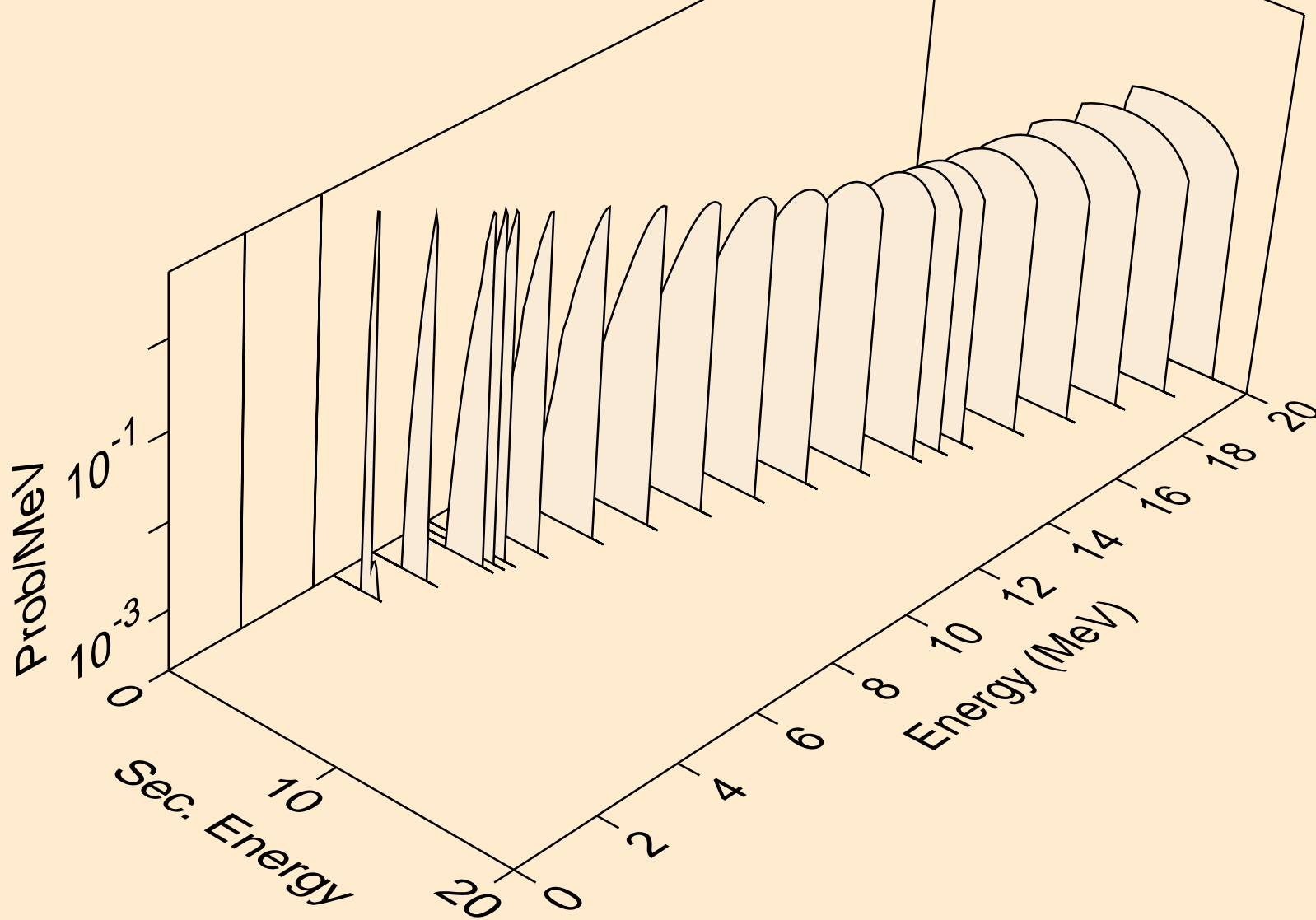
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
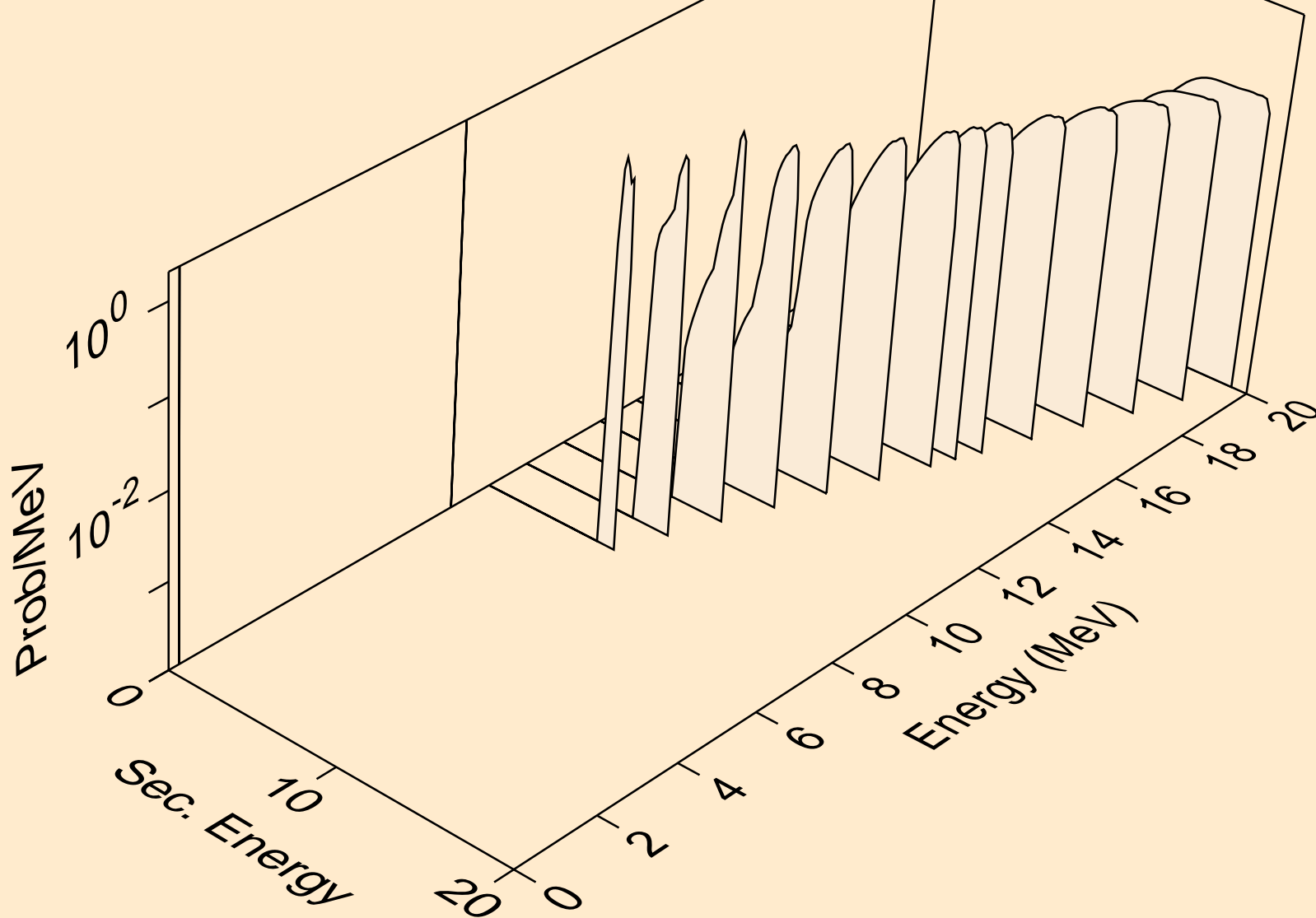angular distribution for (n,p*11) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
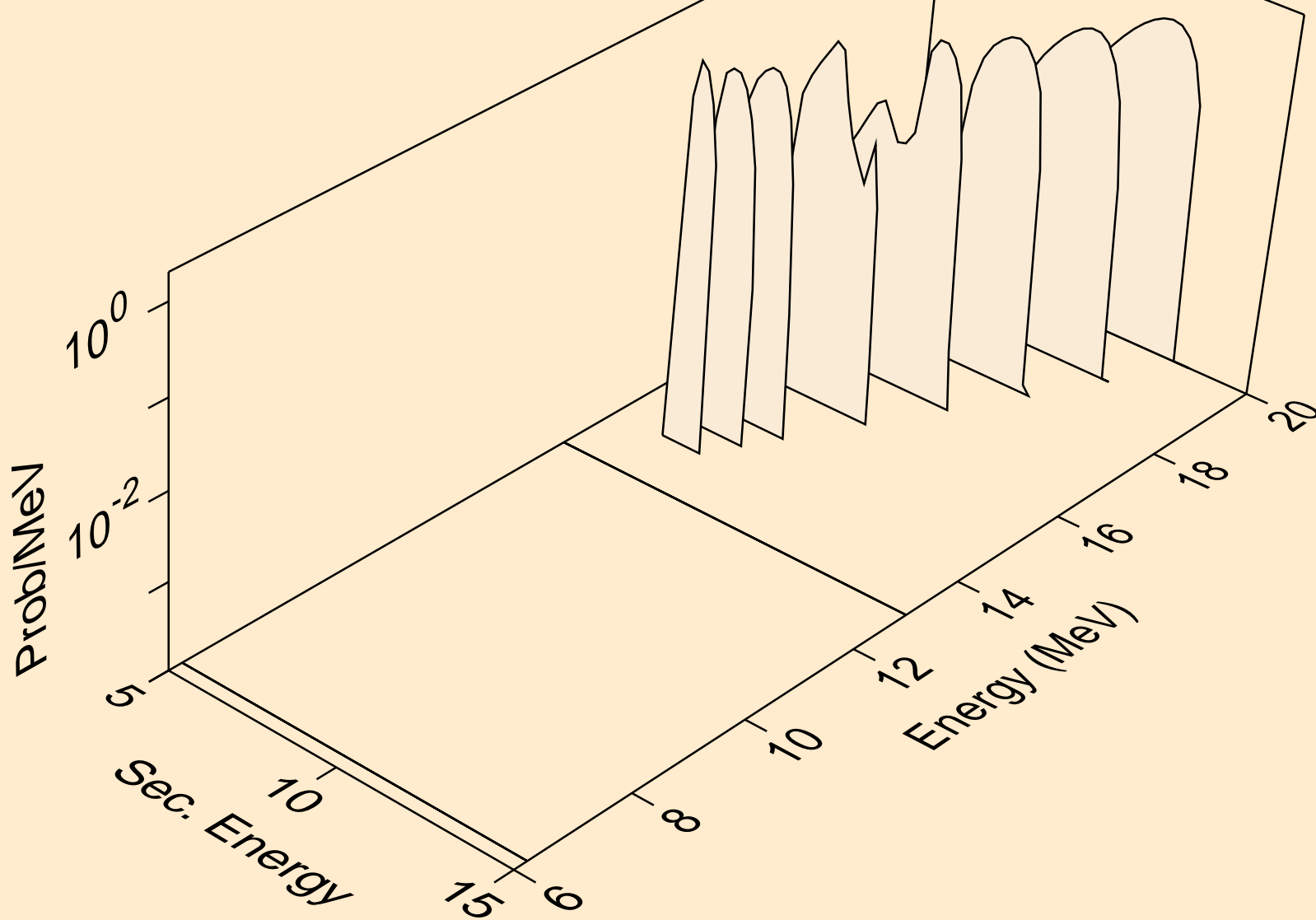angular distribution for (n,p*12) proton

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
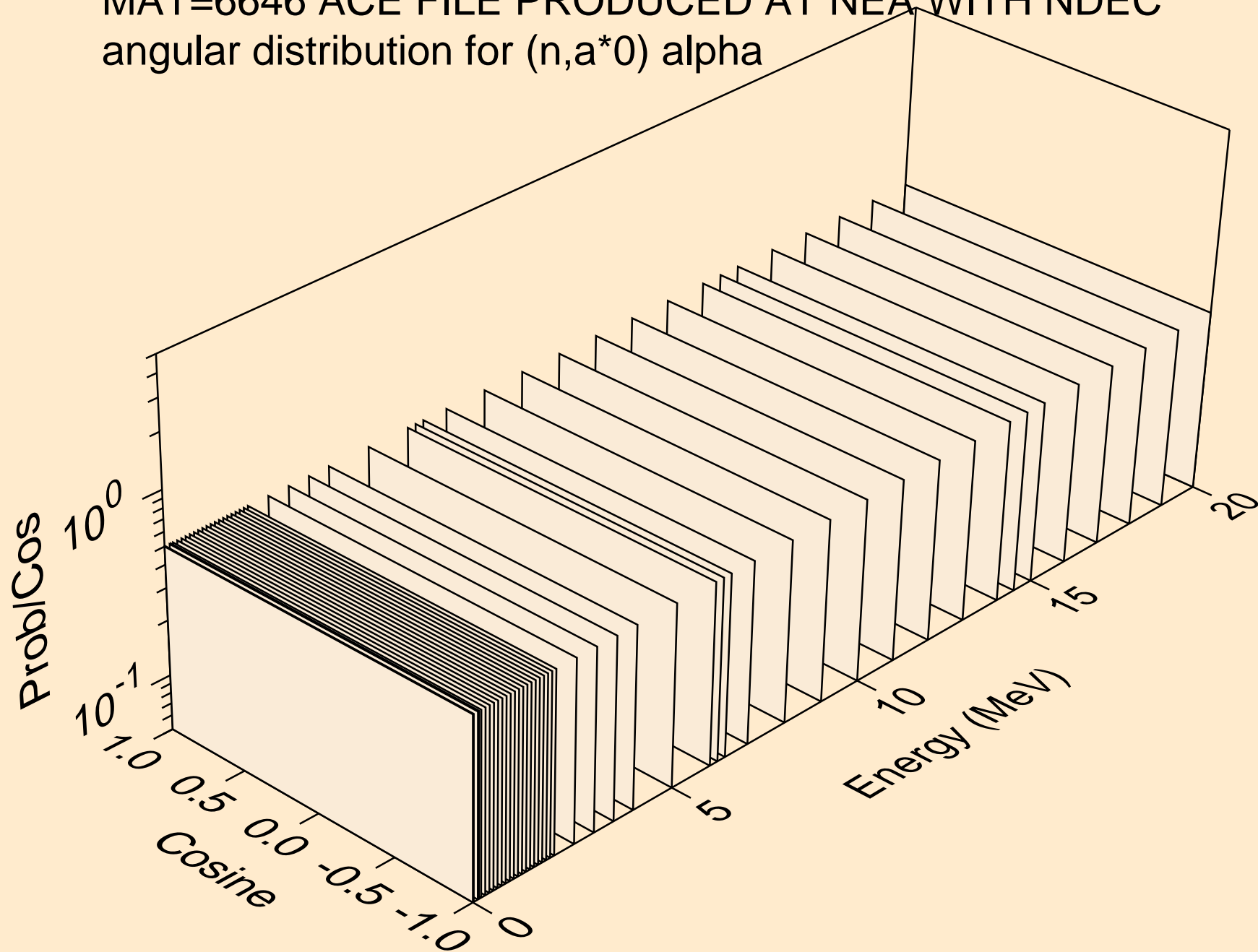protons from (n,p*c)

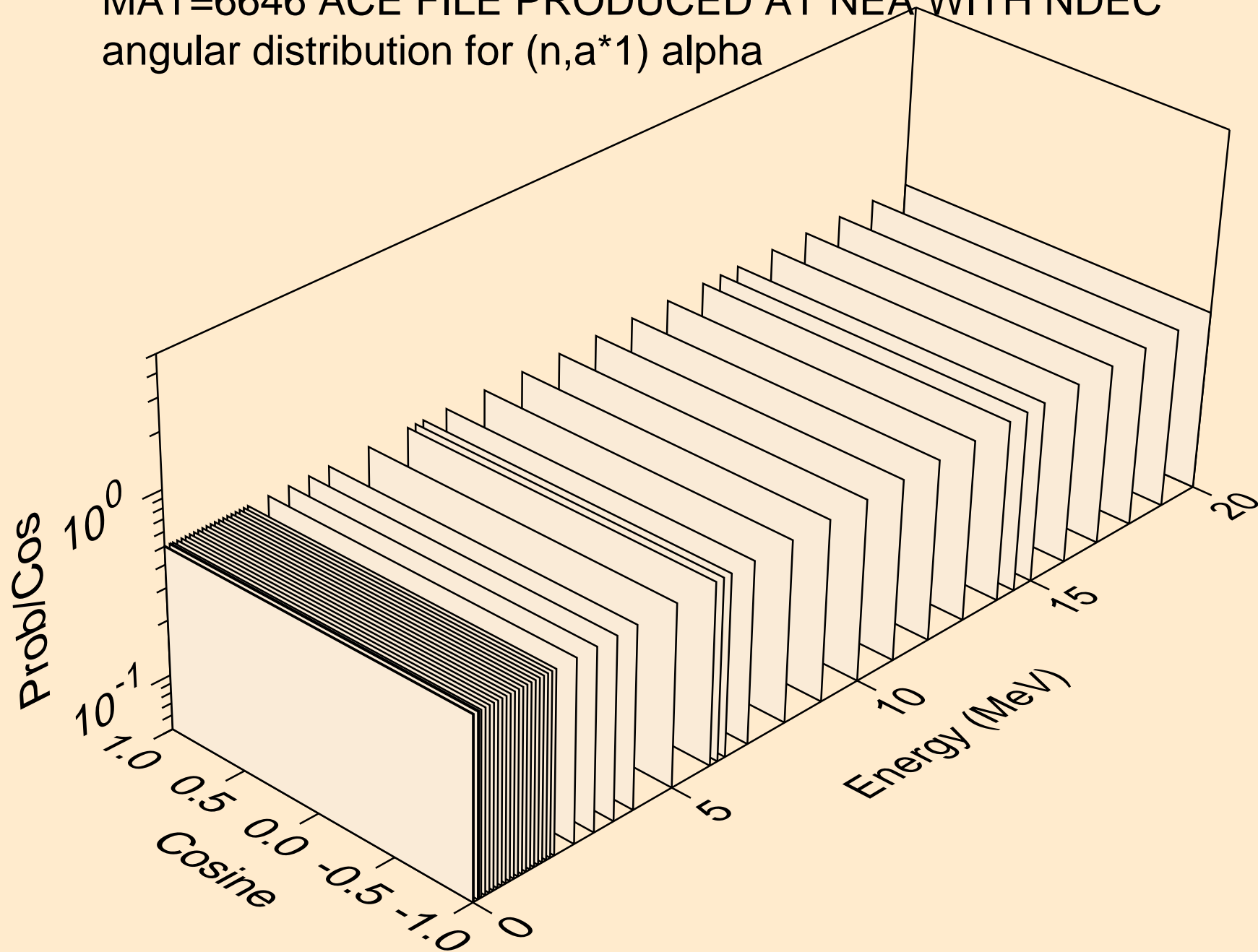MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
alphas from (n,n*)a

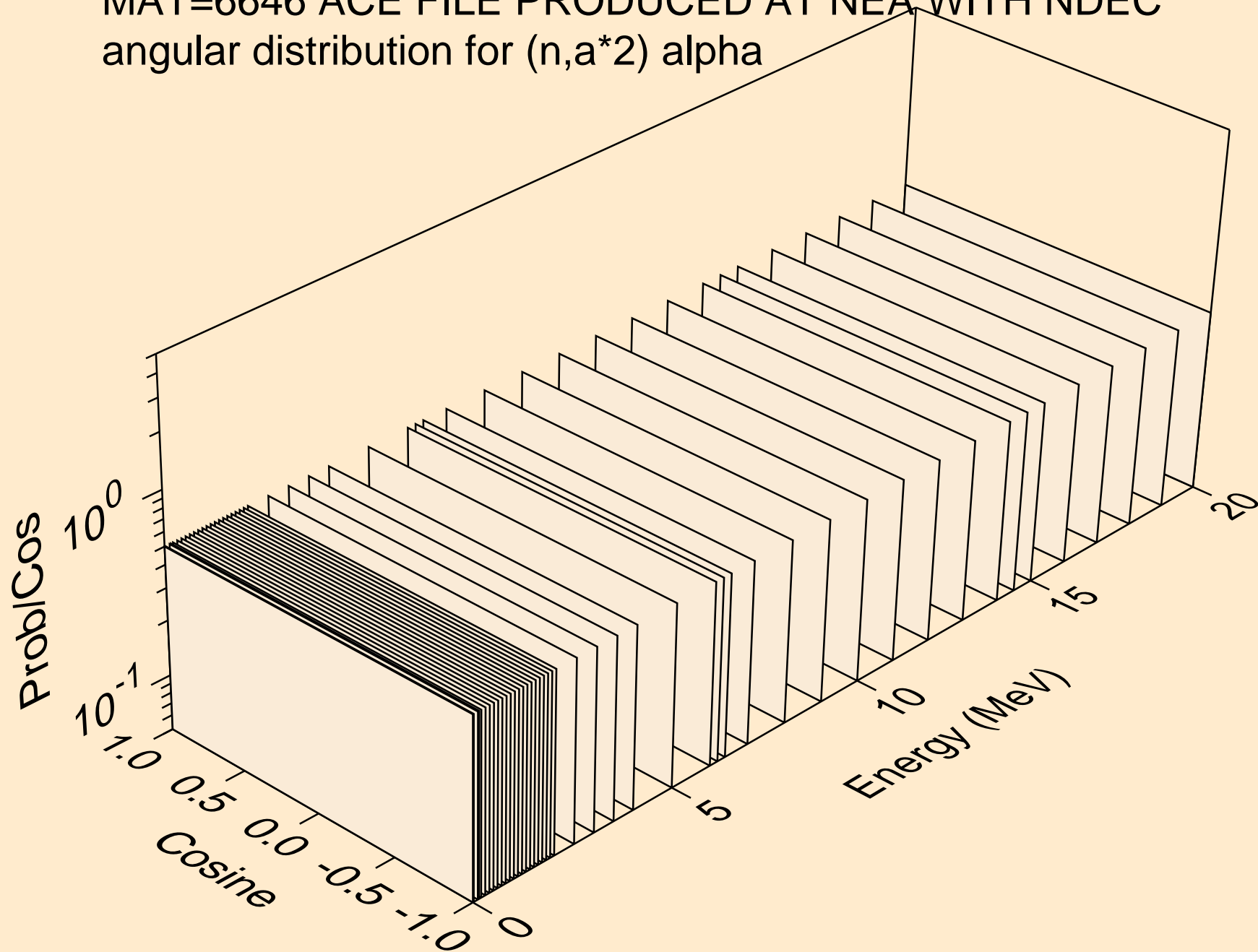MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
alphas from (n,2n)a

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
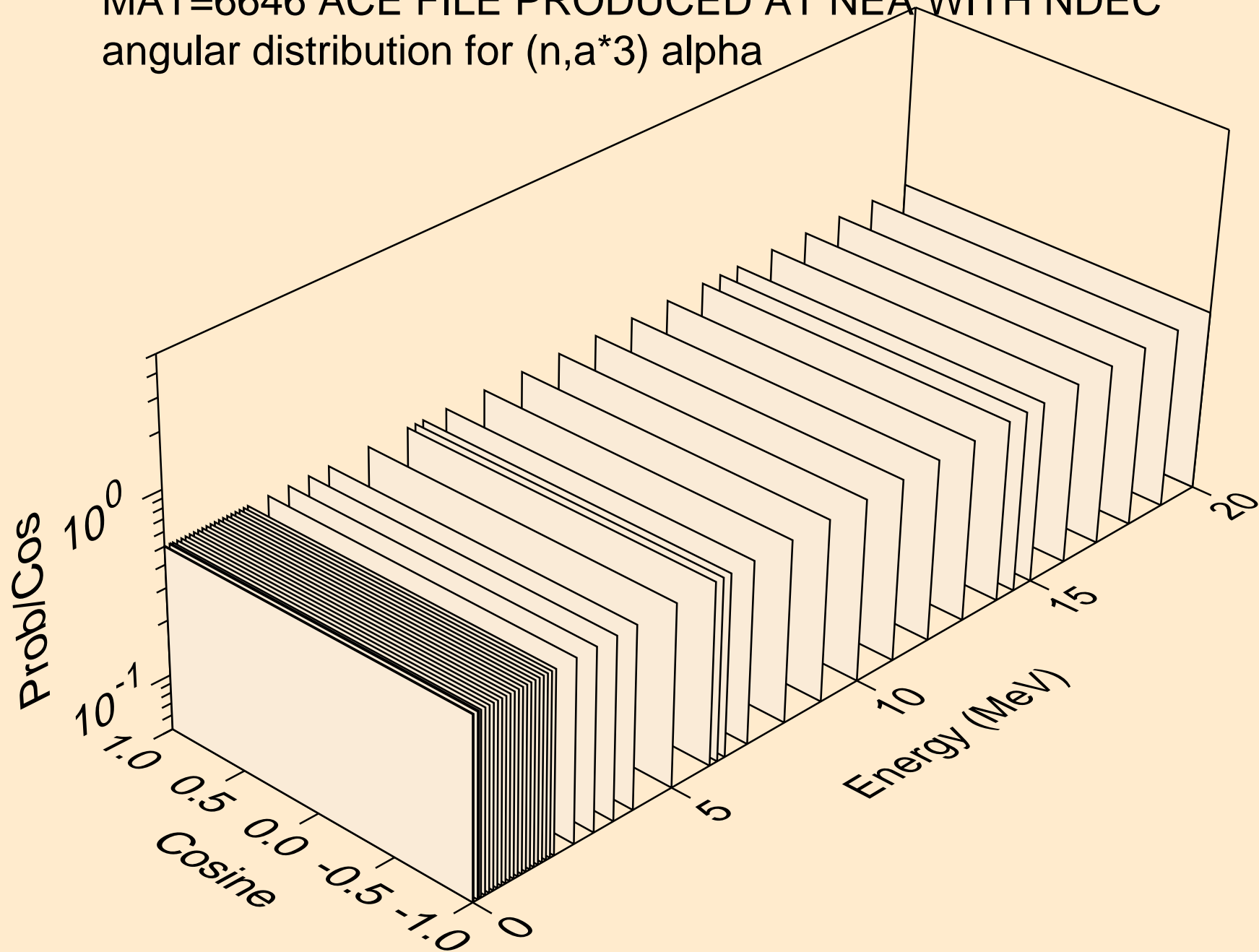angular distribution for (n,a*0) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*1) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*2) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*3) alpha
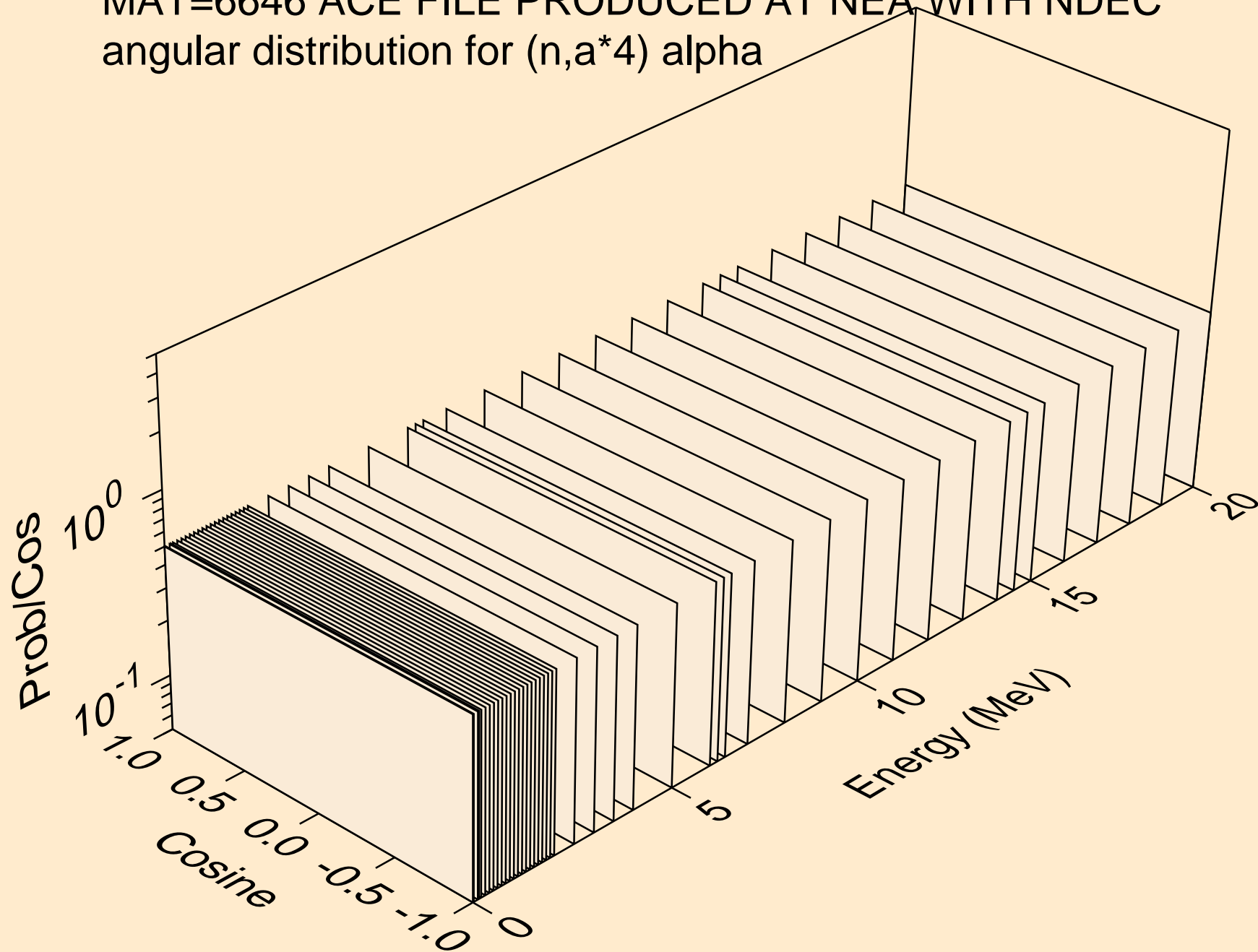
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*4) alpha
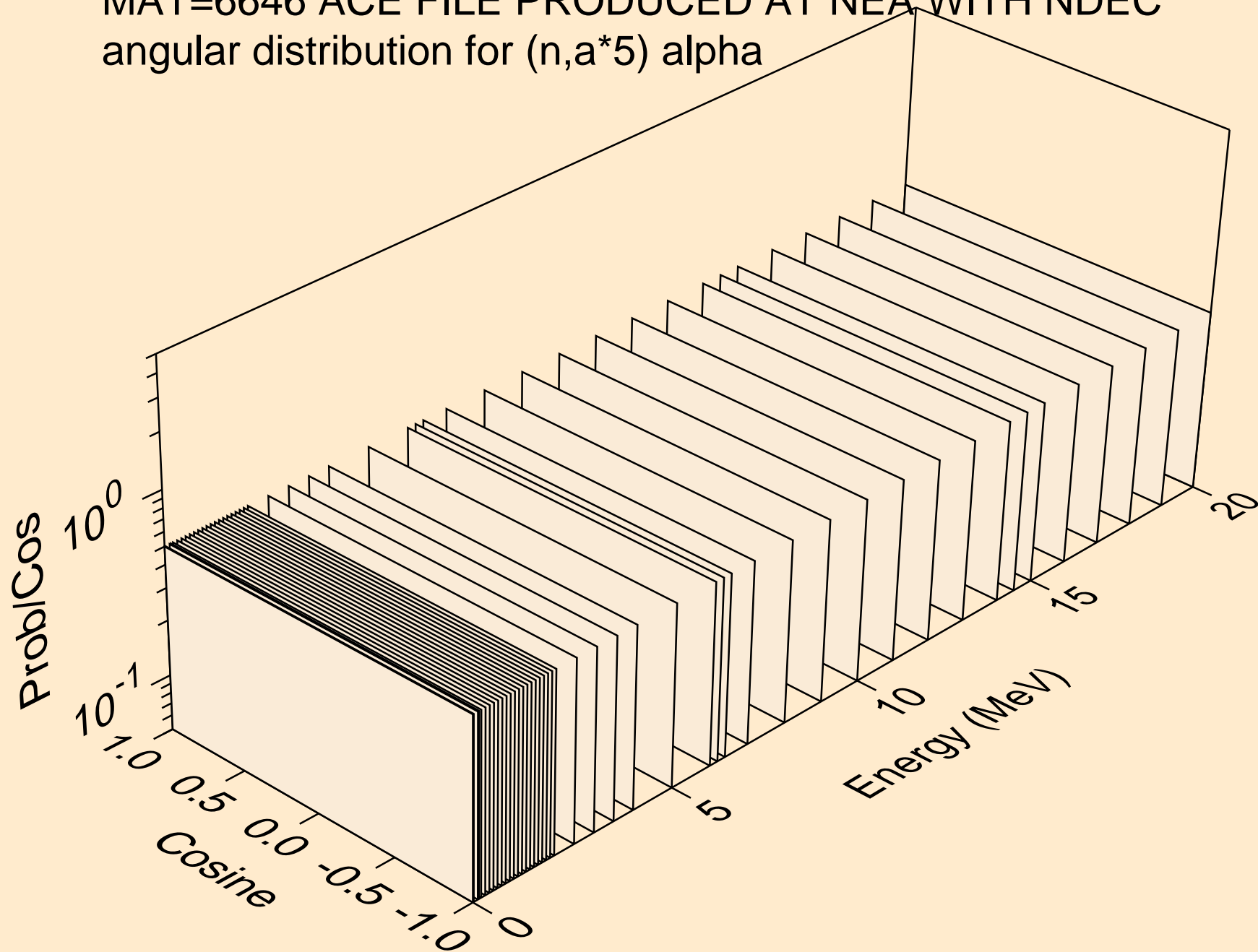
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*5) alpha
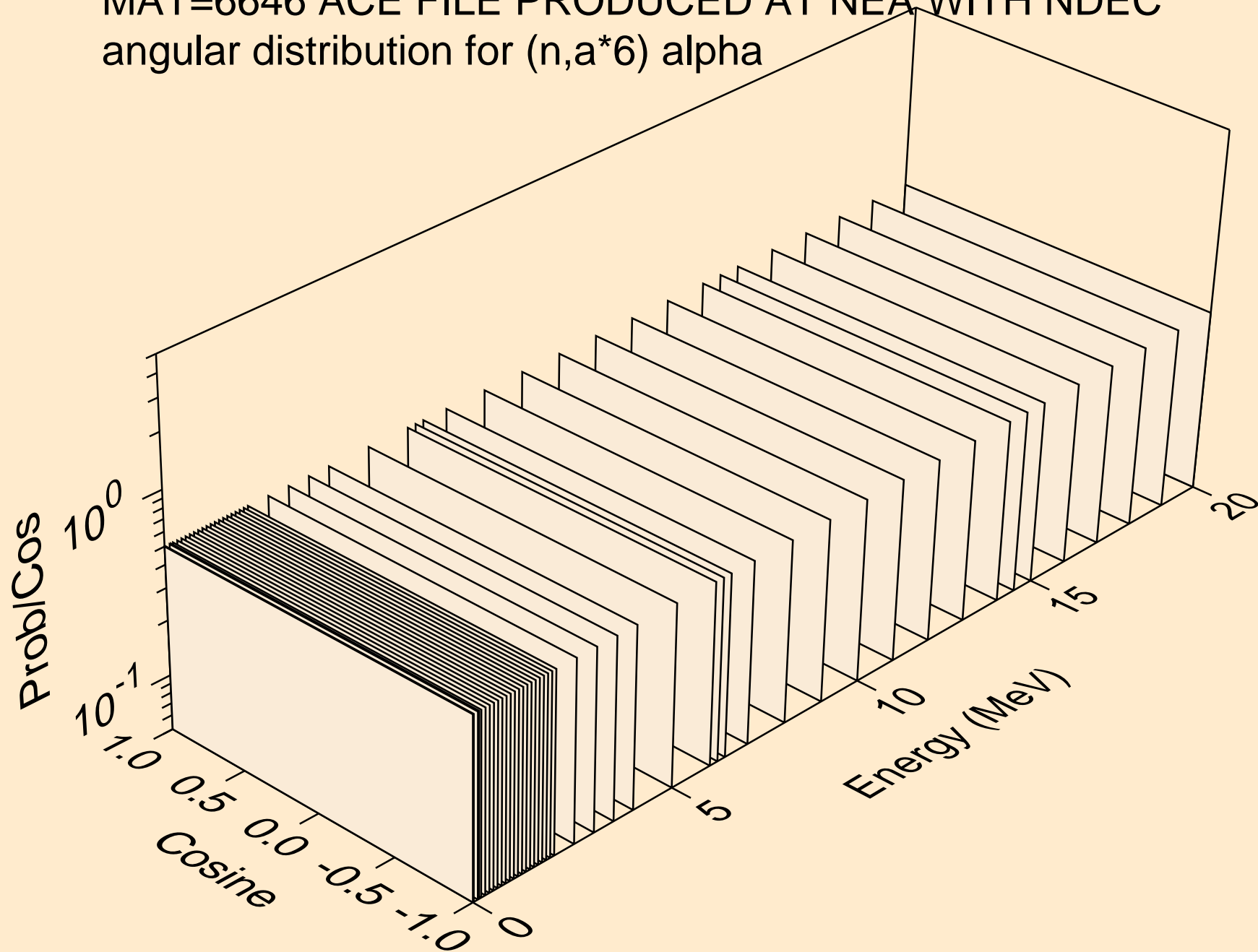
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*6) alpha
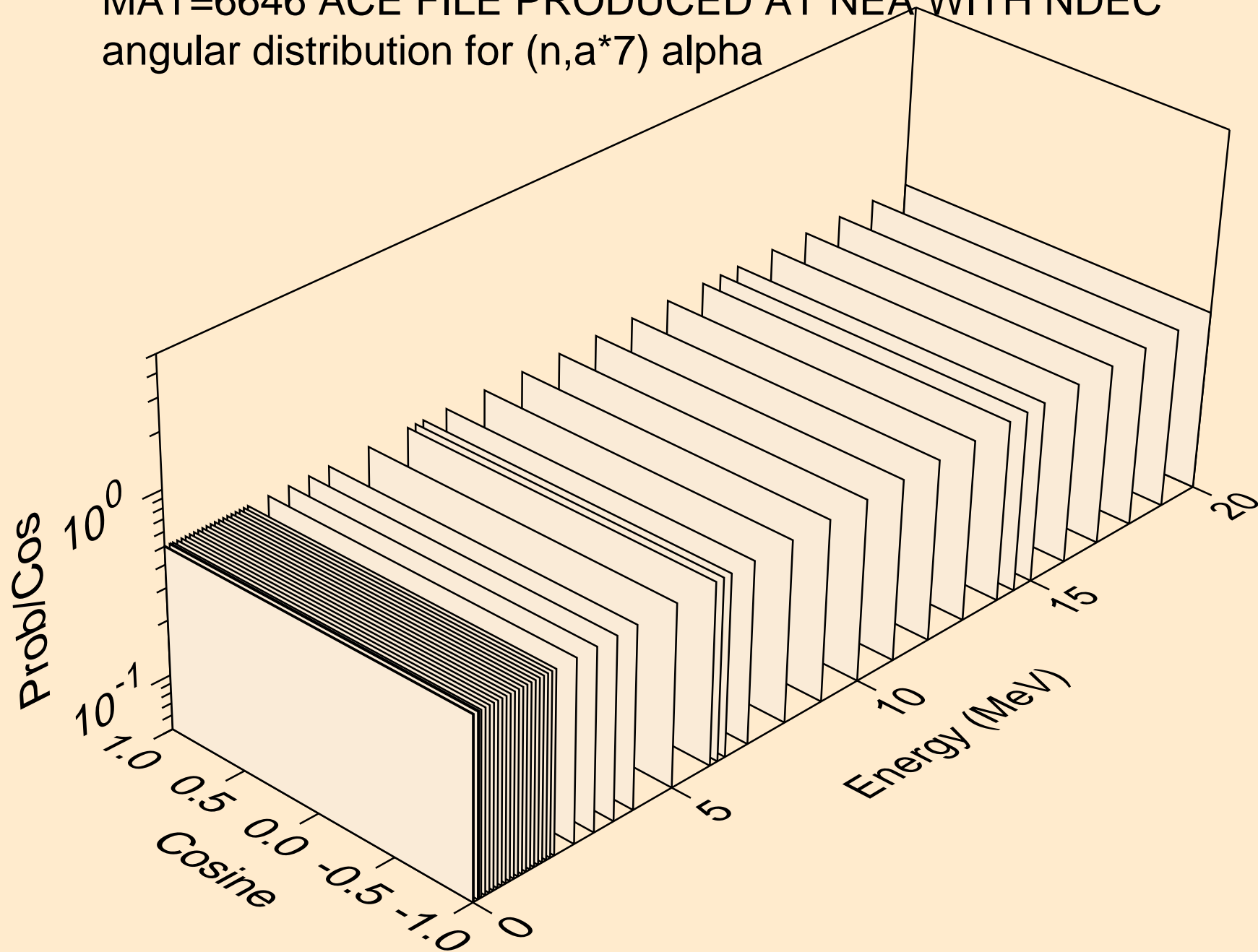
MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*7) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*8) alpha

ProbICos

10^0

10^{-1}

Cosine

1.0 0.5 0.0 -0.5 -1.0
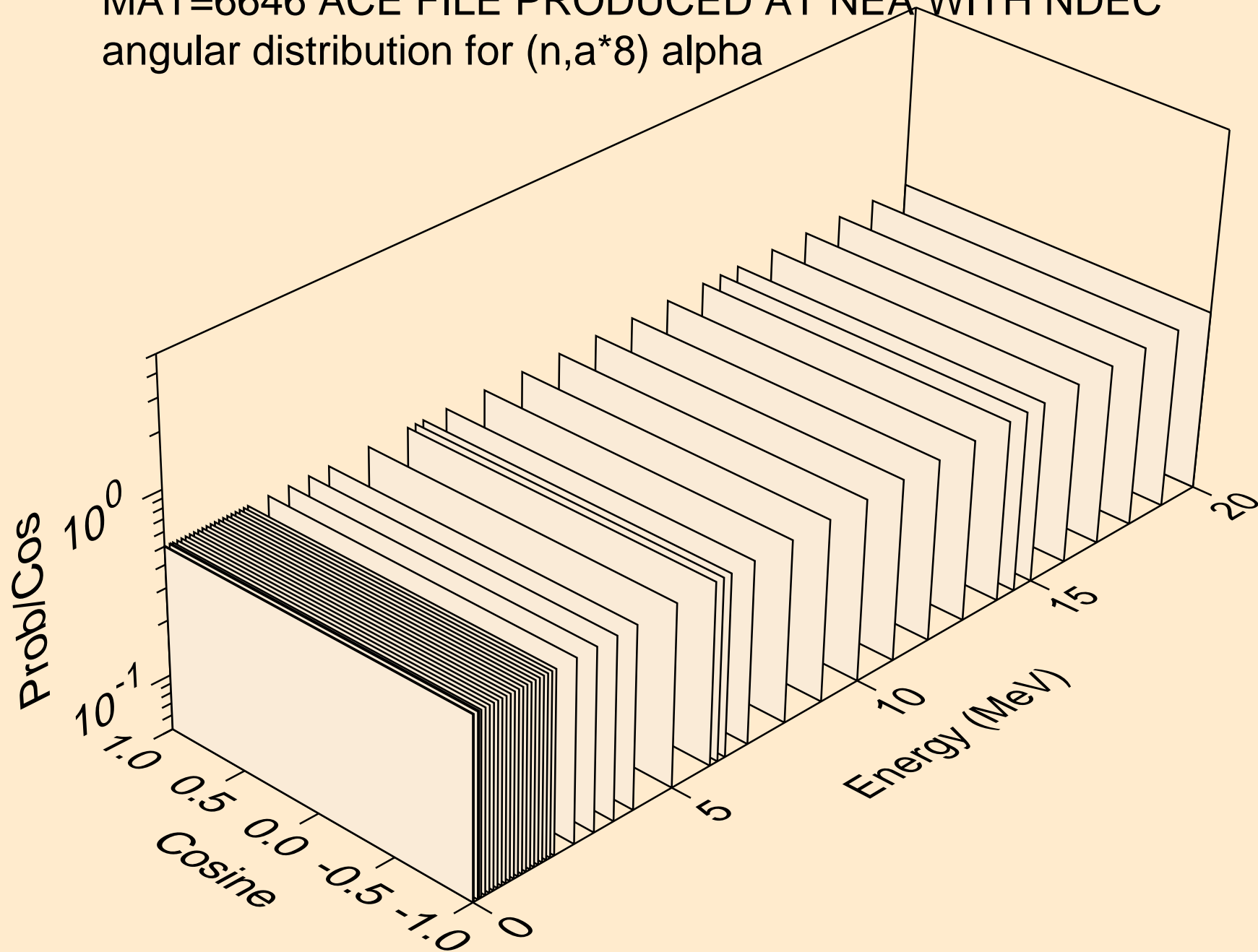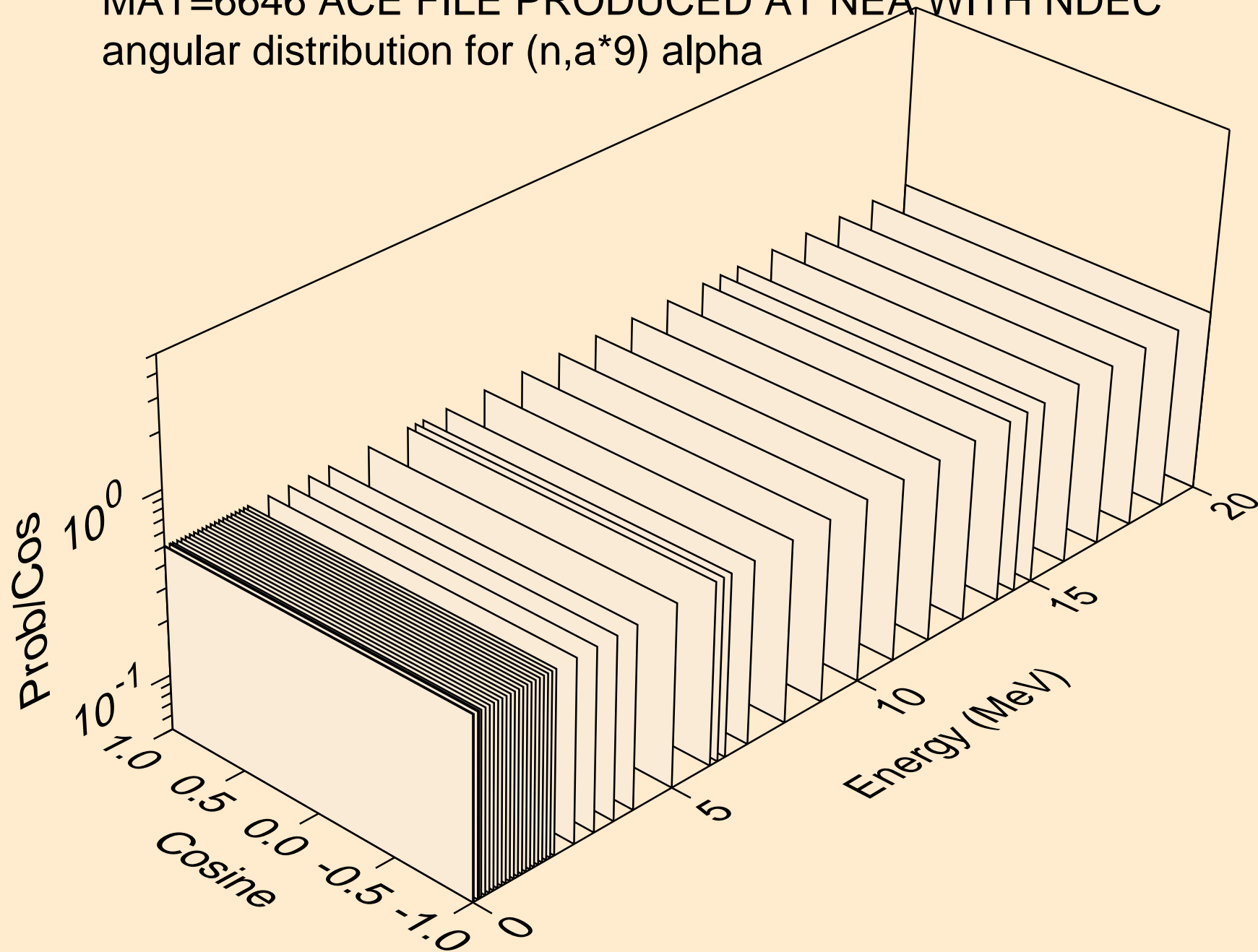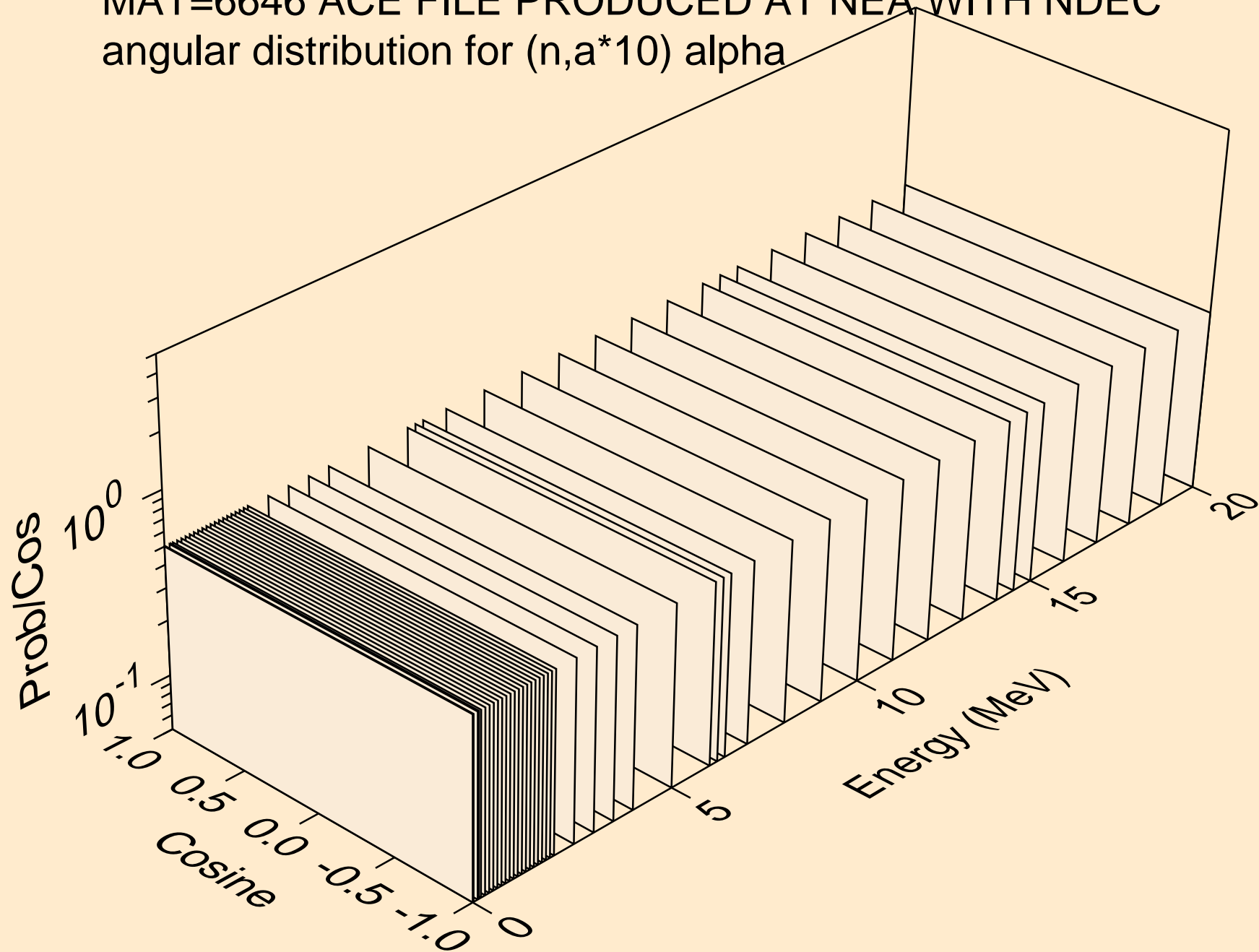
0

5

10

15

20

Energy (MeV)

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*9) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
angular distribution for (n,a*10) alpha

MAT=6646 ACE FILE PRODUCED AT NEA WITH NDEC
alphas from (n,a*c)