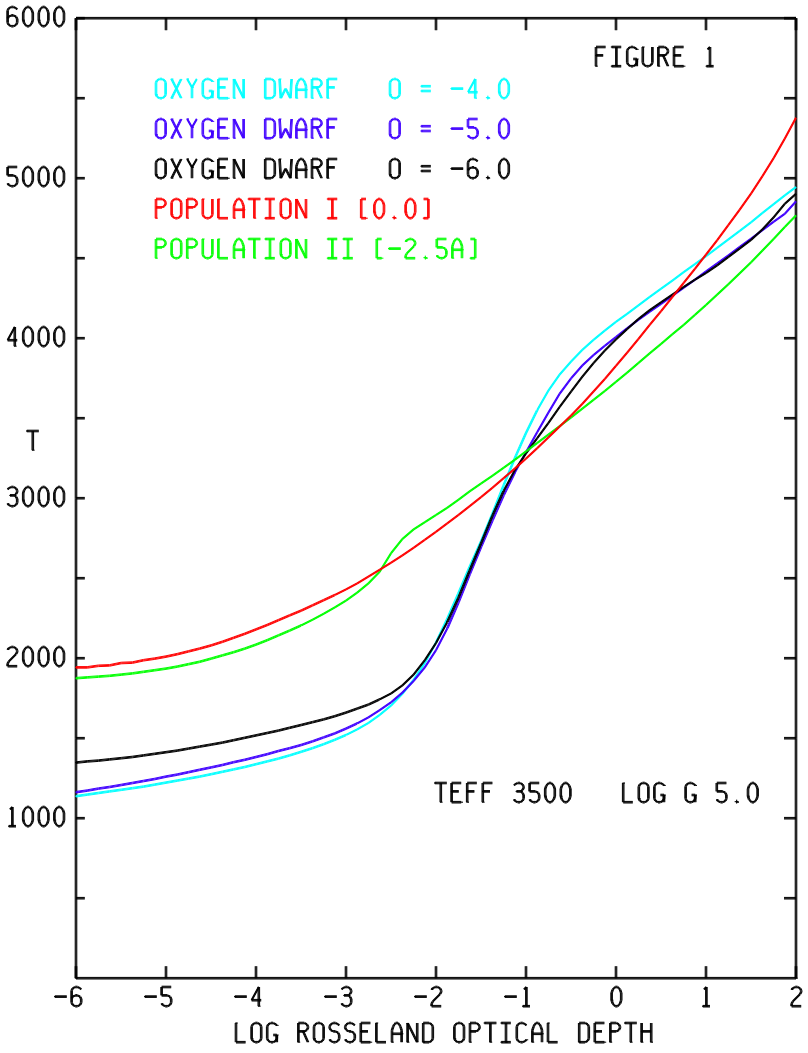
FIGURE 1
OXYGEN DWARF O = -4.0
OXYGEN DWARF O = -5.0
OXYGEN DWARF O = -6.0
POPULATION I [0.0]
POPULATION II [-2.5A]
TEFF 3500 LOG G 5.0
T
6000
5000
4000
3000
2000
1000
-6
-5
-4
-3
-2
-1
0
1
2
LOG ROSSELAND OPTICAL DEPTH

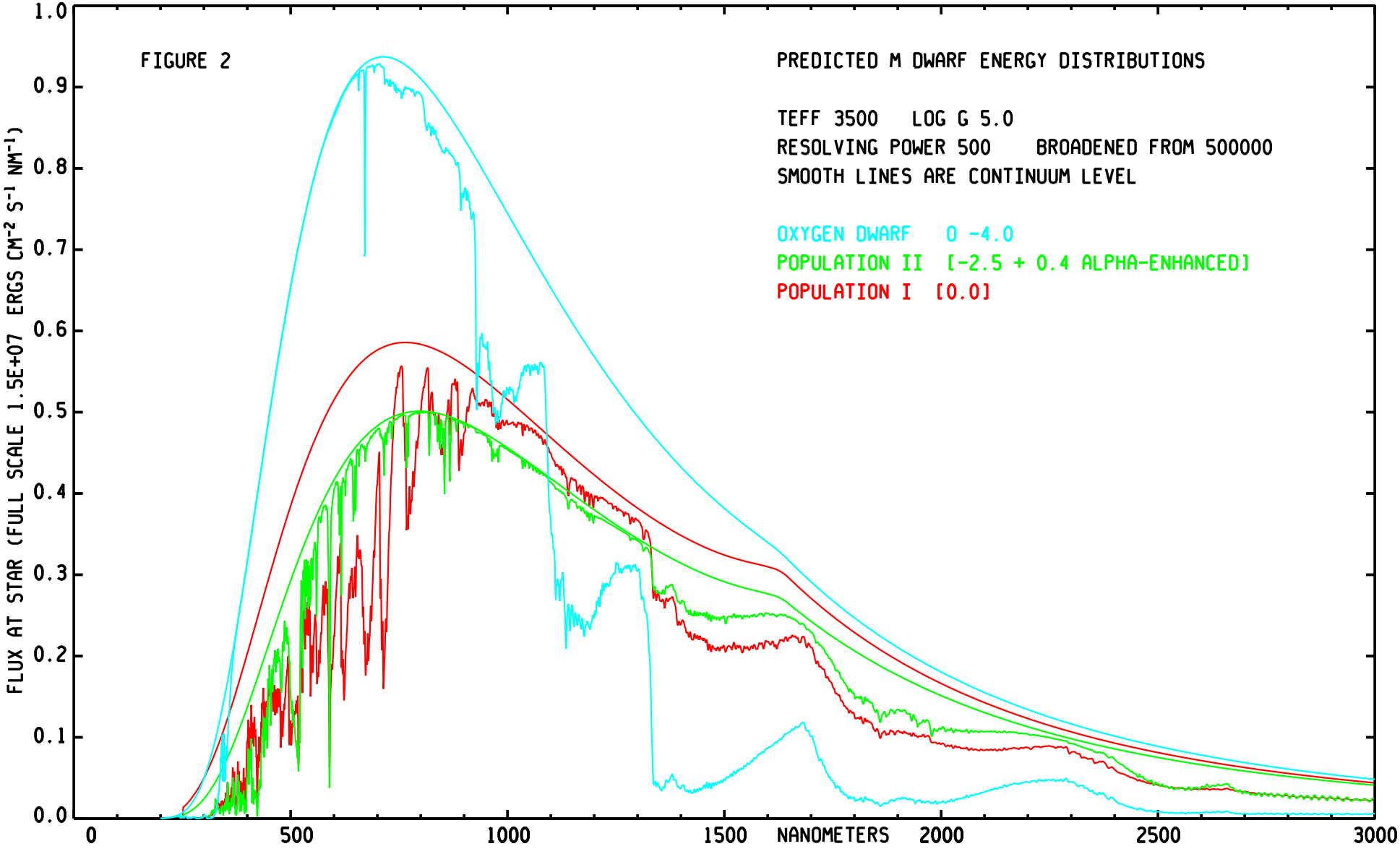
FIGURE 2
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3500 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
POPULATION II [-2.5 + 0.4 ALPHA-ENHANCED]
POPULATION I [0.0]
FLUX AT STAR (FULL SCALE 1.5E+07 ERGS CM-2 S-1 NM-1)
NANOMETERS
0
500
1000
1500
2000
2500
3000
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0

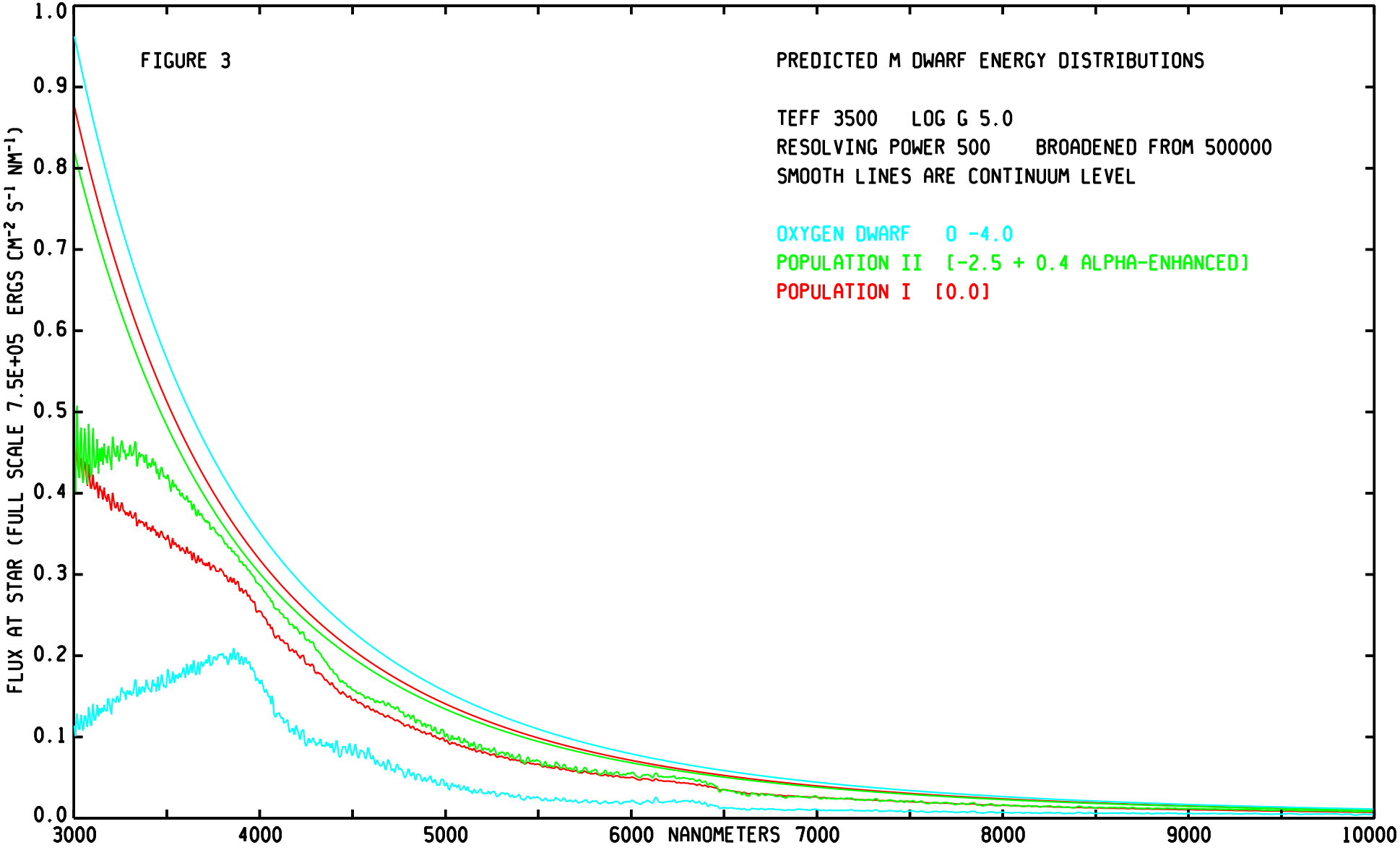
FIGURE 3
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3500 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
POPULATION II [-2.5 + 0.4 ALPHA-ENHANCED]
POPULATION I [0.0]
FLUX AT STAR (FULL SCALE 7.5E+05 ERGS CM-2 S-1 NM-1)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
3000
4000
5000
6000
NANOMETERS
7000
8000
9000
10000

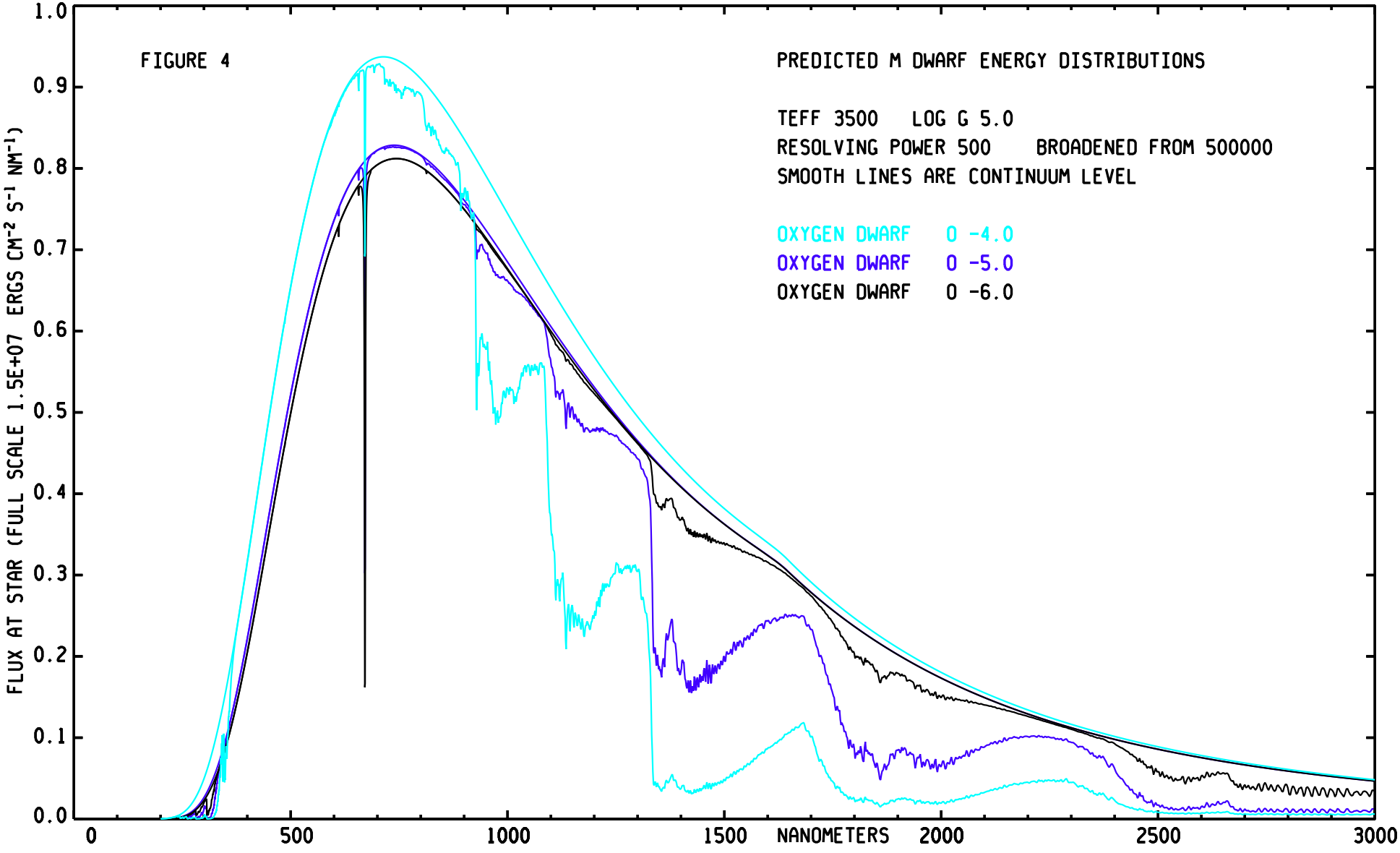
FIGURE 4
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3500 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
OXYGEN DWARF O -5.0
OXYGEN DWARF O -6.0
FLUX AT STAR (FULL SCALE 1.5E+07 ERGS CM-2 S-1 NM-1)
NANOMETERS
0
500
1000
1500
2000
2500
3000
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0

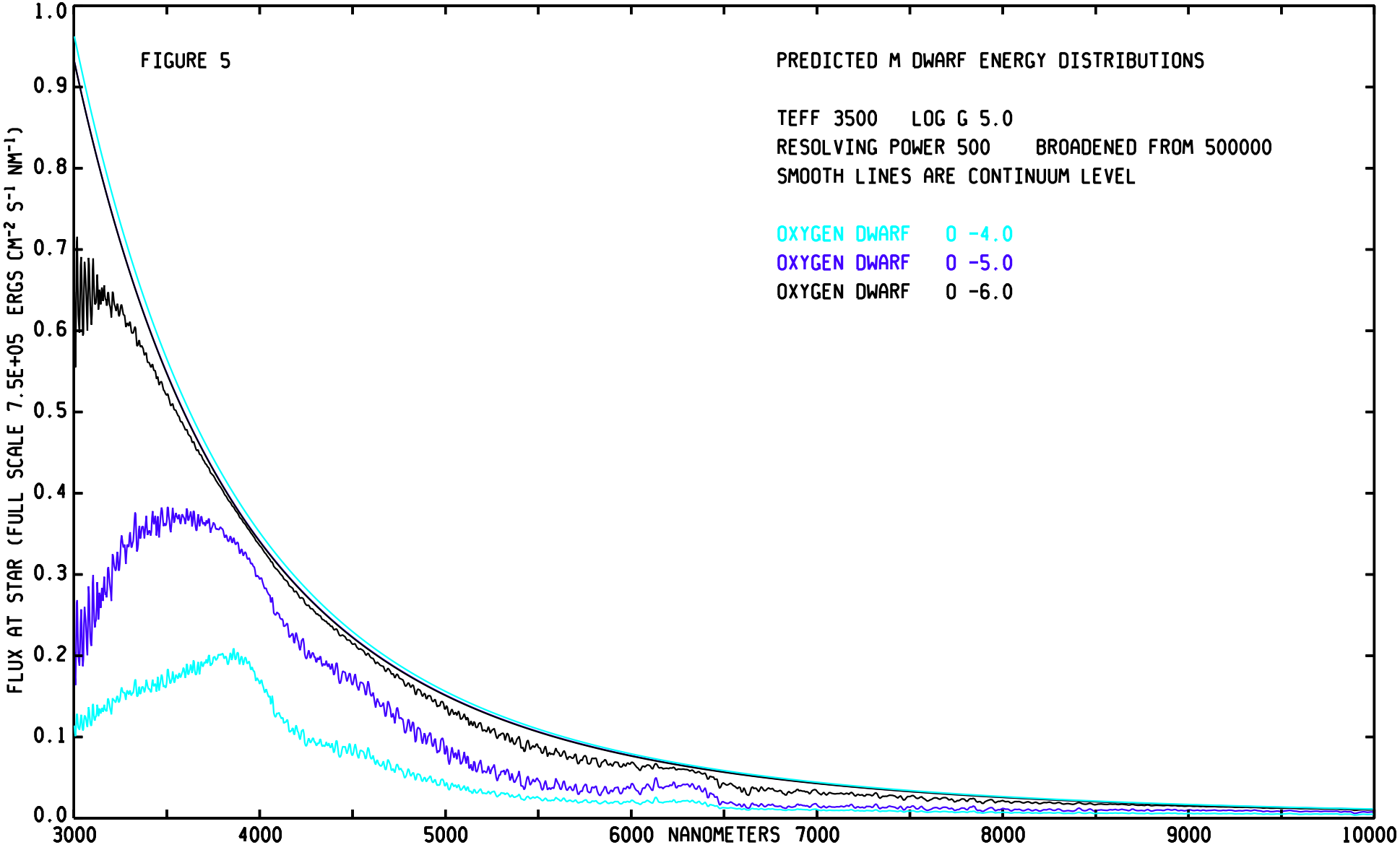
FIGURE 5
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3500 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
OXYGEN DWARF O -5.0
OXYGEN DWARF O -6.0
FLUX AT STAR (FULL SCALE 7.5E+05 ERGS CM-2 S-1 NM-1)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
3000
4000
5000
6000
NANOMETERS
7000
8000
9000
10000

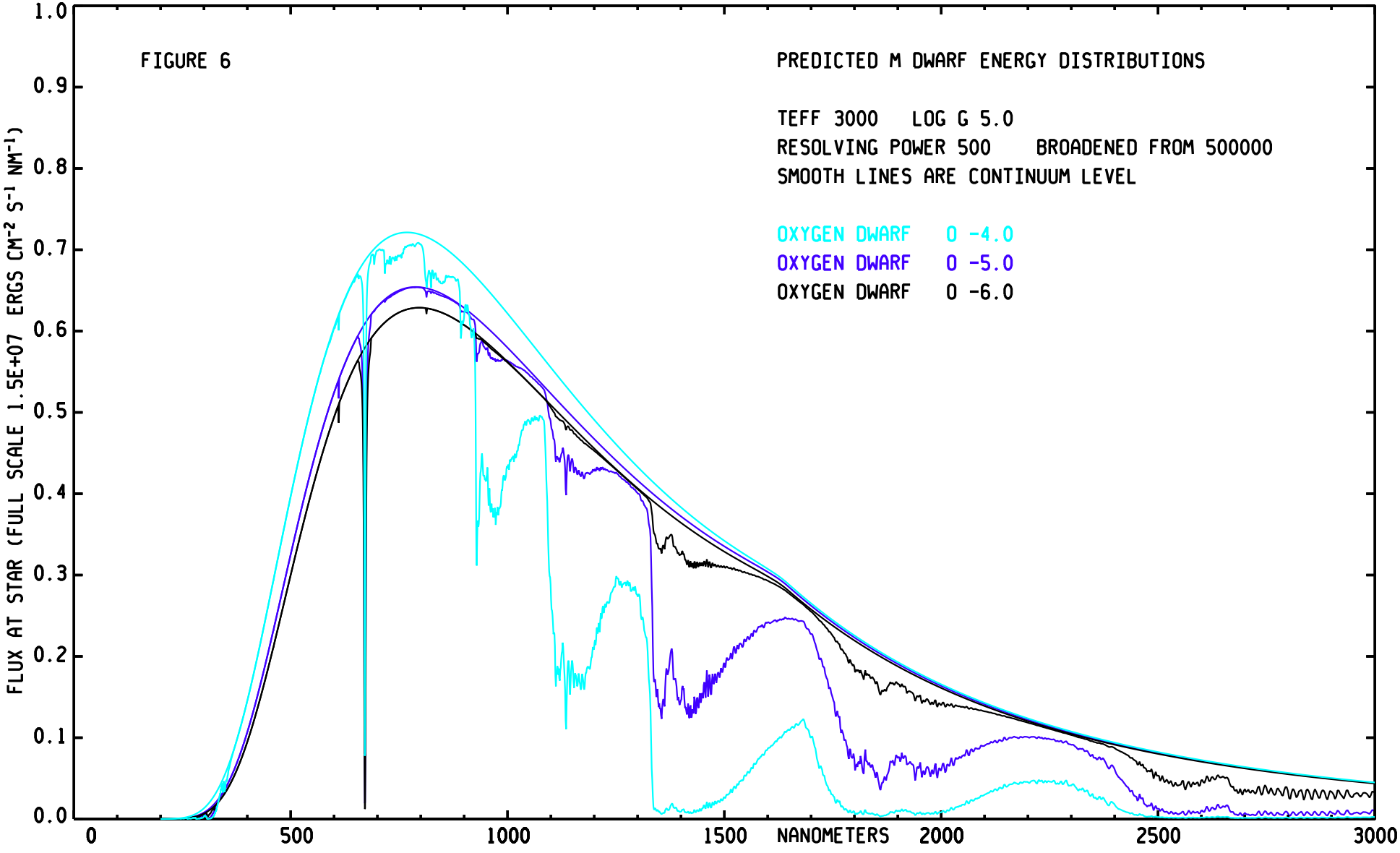
FIGURE 6
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3000 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
OXYGEN DWARF O -5.0
OXYGEN DWARF O -6.0
FLUX AT STAR (FULL SCALE 1.5E+07 ERGS CM-2 S-1 NM-1)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
500
1000
1500
NANOMETERS
2000
2500
3000

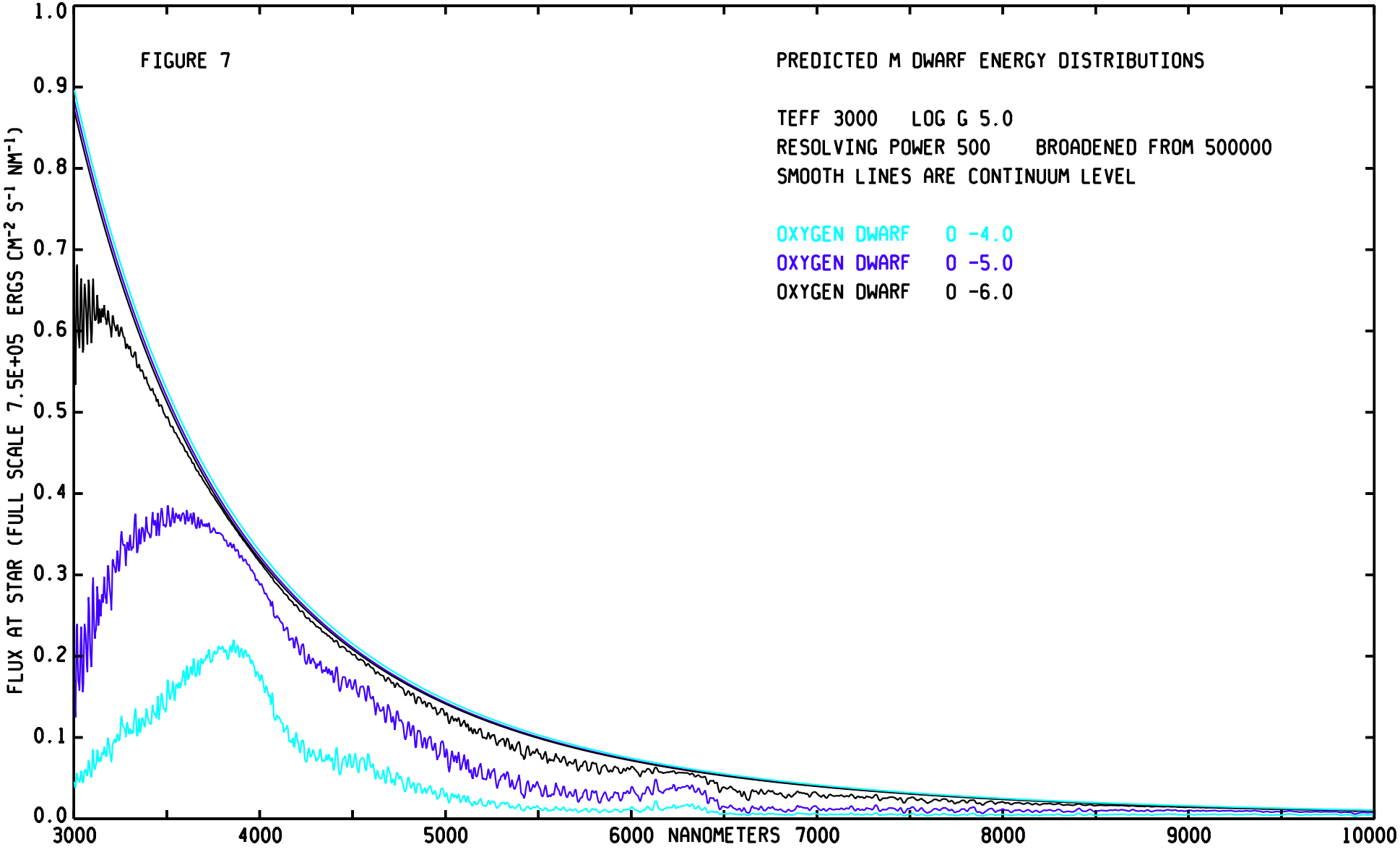
FIGURE 7
PREDICTED M DWARF ENERGY DISTRIBUTIONS
TEFF 3000 LOG G 5.0
RESOLVING POWER 500 BROADENED FROM 500000
SMOOTH LINES ARE CONTINUUM LEVEL
OXYGEN DWARF O -4.0
OXYGEN DWARF O -5.0
OXYGEN DWARF O -6.0
FLUX AT STAR (FULL SCALE 7.5E+05 ERGS CM-2 S-1 NM-1)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
3000
4000
5000
6000
NANOMETERS
7000
8000
9000
10000