SUBROUTINE ropp\_pp\_spectra

! 3.4.1 Compute wave number

IF (ic == 1) k = 2.0\_wp \* pi \* f\_L1 / C\_Light

IF (**ic == 1**) k = 2.0\_wp \* pi \* f\_L2 / C\_Light (It would not be (ic==2) ?????

I changed the subroutine accordingly the above and the results changed quite significantly, just for L1. For L2, the results are the same.

The tails of two solutions are shown below.

Tail of solution with both ic==1

0.17188E+02 0.1265 -0.24262E+01

0.17969E+02 0.1265 -0.36998E+01

0.18750E+02 0.1265 -0.24793E+01

0.19531E+02 0.1265 -0.22579E+01

0.20313E+02 0.1265 -0.21307E+01

0.21094E+02 0.1265 -0.17267E+01

0.21875E+02 0.1265 -0.18992E+01

0.22656E+02 0.1265 -0.31306E+01

0.23438E+02 0.1265 -0.19512E+01

0.24219E+02 0.1265 -0.23335E+01

Tail of solution with ic==1 and ic==2

0.17188E+02 0.1265 -0.15324E+01

0.17969E+02 0.1265 -0.22999E+01

0.18750E+02 0.1265 -0.22120E+01

0.19531E+02 0.1265 -0.14236E+01

0.20313E+02 0.1265 -0.14883E+01

0.21094E+02 0.1265 -0.14550E+01

0.21875E+02 0.1265 -0.12888E+01

0.22656E+02 0.1265 -0.23552E+01

0.23438E+02 0.1265 -0.14974E+01

0.24219E+02 0.1265 -0.16323E+01