



## **Long-term solar activity explored with wavelet methods**

**H.Lundstedt** (1), L. Liszka (2) and R. Lundin (3)

(1) Swedish Institute of Space Physics, Lund, Sweden, (2) Swedish Institute of Space Physics, Umeå, Sweden (3) Swedish Institute of Space Physics, Kiruna, Sweden

(henrik@lund.irf.se / Fax: +46-46-129879 / Phone: +46-46-2862120)

The C14 production rate and the sunspot number are used as indicators of long-term solar activity. Time-scales and processes behind the variability are studied with new wavelet methods. What was found is compared with results from solar dynamo modelling. Suggestions are also made on how to use the results for predictions. This study is part of a larger study, aiming at better forecasts of solar activity.