

### **E0033**

**EDS - The Uppsala Electron Density Server.** Gerard J. Kleywegt, Mark R. Harris, T. Alwyn Jones, Dept. of Cell and Molecular Biology, Uppsala Univ., Biomedical Centre, Box 590, SE-751 24 Uppsala, Sweden.

For experts and non-experts alike, macromolecular electron-density maps are the best representation of the crystallographic experiments that underpin the atomic models that are published and deposited. As of early January, 2005, the Uppsala Electron Density Server (EDS; <http://eds.bmc.uu.se/>) holds electron-density maps (that can be viewed interactively) and derived data (such as real-space fit statistics, Ramachandran plots and Padilla-Yeates twinning statistics) for more than 13,000 biomacromolecular crystal structures from the PDB (~88% of all X-ray entries for which structure factors have been deposited), with automatic weekly updates adding rapidly to this number. We will discuss the issue of data-deposition by macromolecular crystallographers, the types of information that are available from EDS, some recent developments, and possible applications and extensions of this facility.