ESRF	**Experiment title:** X-ray Structure Determination of the Nucleosome Core Particle at 3.5 Å and at 2.0 Å Resolution	**Experiment number:** LS237 and LS462
Beamline:	**Date of experiment:** several data collections from: 1994 to: 1996	**Date of report:** 12 December, 1997
Shifts: approx. 50	**Local contact(s):** LS237: BLl - C. Riekel, and LS237: BL3 - M. Wulff	*Received at ESRF:* 0 9 JAN. 1998

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Report:

The structure of a totally recombinant nucleosome core particle containing the octamer of core histone proteins H2A, H2B, H3, and H4, and a 146 bp DNA has been solved by X-ray crystallography at 2.8 Å resolution. Enclosed please find a reprint of the structure description which appeared in the 18 September, 1997 issue of *Nature* (389, 251).

The refinement of the structure at 2.0 Å using the data collected on BL3 is in progress. Unfortunately, the person who was most involved in the structure refinement left the laboratory unexpectedly delaying our progress. We hope to finish with work midway in 1998.