ESRF	**Experiment title: Determination of the structure of cellobiose dehydrogenase from *Phanerochaete chrysosporium*.** BAG: Uppsala (II)	**Experiment number**: LS-1374 c
Beamline: ID14-EH4	**Date of experiment**: from: 18 June 1999 to: 18 June 1999	**Date of report**: 15 Feb 2000
Shifts: 0.3	**Local contact(s)**: Sean McSweeney	*Received at ESRF:*

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Report:

High-resolution data of the cytochrome domain of cellobiose dehydrogenase

The fungal oxidoreductase cellobiose dehydrogenase (CDH) degrades both lignin and cellulose, and is the only known extracellular flavocytochrome. This haemoflavoenzyme has a multi-domain organisation with a *b*-type cytochrome domain linked to a large flavodehydrogenase domain. The two domains can be separated proteolytically to yield a functional cytochrome and a flavodehydrogenase. We have recently solved the structure of the cytochrome domain of cellobiose dehydrogenase at 1.9 Å resolution. A complete data set at 1.45 Å resolution has now been collected at beamline ID14-EH4 (unpublished results).