

This report should be kept confidential.

Report for the 3 shifts (proposal n°30.01749) for the 2nd semester of 2005:

We have collected several data sets on crystals of the *Escherichia coli* SelB mRNA binding domain in complex with SECIS mRNA hairpin up to 2.6 Å (experiment n° 30-01-749). The structure was solved by molecular replacement using our previous structure of the complex from *M. thermoacetica*. The refinement of the structure of the complex is in progress.

Crystals of the methyltransferase RlmAII diffracted to 7 Å which is an improvement compare to the last experiment. We are now testing a different RNA construct and obtained new crystals which we hope will diffract better.