

BM30-01-856

September 16 and 17, 2010

$\lambda = 0.9797 \text{ \AA}$
16-bunch mode

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We are on one hand studying neuroprotection by inert gas, and on the other hand, in collaboration with Beatrice Vallone (Roma, Italia), we are studying oxygen and CO binding to neuroglobin and myoglobin.

Data collections are done at room temperature, with the crystal of protein inserted in a quartz capillary mounted on our specially designed pressurization cell.

During this run, we have collected 32 full data collection at room temperature, under gas pressure, using our own pressurization cell.

Neuroglobin: 14 full data collection, native, under oxygen pressure and under carbon monoxide pressure, best resolution 1.85 \AA

Myoglobin: 7 full data collection, native, under oxygen pressure and under carbon monoxide pressure, best resolution 1.5 \AA

Urate oxidase: 7 full data collection, , under xenon and nitrous oxide pressure, best resolution 1.65 \AA

Elastase: 4 full data collection under xenon and nitrous oxide pressure, best resolution 1.40 \AA