Department of Science and Technology

CALL FOR APPLICATIONS FOR BEAMTIME ALLOCATION ON ITALIAN SYNCHROTRON RADIATION SOURCE, ELETTRA

The Department of Science and Technology (DST), together with the Italian Ministry of Foreign Affairs, is promoting the use of beamlines at Italian synchrotron source, Elettra, at Trieste by the Indian scientific community. DST invites proposals for experiments on these beamlines.

Elettra is a third generation 2 GeV Synchrotron Radiation Source of high brilliance and offers intense VUV, soft and hard X-ray beams using bending magnets, undulators and wigglers. Proposals can be made for experiments on the following ten beamlines:

Super ESCA	(Beamline 2.2 R)
ESCA Microscopy	(Beamline 2.2 L)
VUV Photoemission	(Beamline 3.2 R)
Spectromicroscopy	(Beamline 3.2 L)
Circularly Polarized Light	(Beamline 4.2 R)
Hard X-ray Diffraction	(Beamline 5.2 R)
Small Angle X-ray Scattering	(Beamline 5.2 L)
Gas Phase Photoemission	(Beamline 6.2 L)
Synchrotron Radiation for Medical Physics-SYRMEP	(Beamline 6.1 R)
Surface Diffraction	(Beamline 7.2 R)

Further details of beamlines are available at the internet web address http://www.elettra.trieste.it. They can also be got by writing to Smt Sadhana Relia, Principal Scientific Officer, International Division, Department of Science and Technology (DST), Technology Bhavan, New Mehrauli Road, New Delhi 110 016 (Fax: 011-6862418).

Typical experiment at Elettra would take about a week and request for two scientists per experiment may be considered for experiments longer than 3 days (9 shifts). Scientists are encouraged to contact the Elettra beamline co-ordinator prior to making proposal. The list of scientist-in-charge of Elettra beamlines could be obtained from DST. Collaborative experiments with Italian and other local groups at Elettra can also be proposed.

The scientists are requested to send their proposal (one original and 15 additional copies) to DST by 31 October 1998.

The applications invited under this advertisement will be subject to an initial scrutiny within India by DST through an 'Expert Committee' followed by another round of evaluation by 'Elettra Scientific Review Committee'.

Once the Indian proposal qualifies the two-step evaluation, DST will fund the international air travel expenses and the Italian Ministry of Foreign Affairs will provide the daily allowance for the Indian scientist to cover board, lodging and local transport in Italy @ Lit 150,000.