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ANNOUNCEMENT

NATIONAL SEMINAR ON "ATOMIC INNER-SHELL IONIZATION AND ITS ANALYTICAL APPLICATIONS"

The above seminar is being organised to commemorate the Silver Jubilee of Punjabi University, Patiala, and the centenary of the discovery of photo-ionization during February 19-20, 1988. The main purpose of this seminar is to understand various processes and experimental techniques involved in the phenomenon of photo-ionization and ionization by charged particles of inner atomic shells. The following topics are being discussed: 1. Inner-shell photo-ionization; 2. X-ray fluorescence with particular reference yield to K-shell; 3. EDXRF studies at BARC/NRL, Srinagar; 4. Photon-atom scattering; 5. Heavy ion radiation damages in solid and single activation energy model;

6. Rutherford back-scattering and ion channelling technique; 7. Production and attenuation of bremsstrahlung; 8. PIXE: Analysis of biological samples, and 9. Compton scattering from inner-shell electrons.

In addition, two poster-sessions will be organized. Contributions to these poster-sessions are invited. Authors are requested to send an extended abstract of their papers.

Abstracts in duplicate may be sent to Dr B. S. Ghuman, Department of Physics, Punjabi University, Patiala 147 001, to reach him not later than 15 January 1988.
