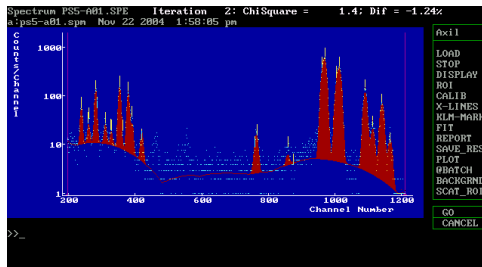


Infrastructure, Facilities

- X-ray Fluorescence Energy Dispersive, (XRF, EDXRF), Tube Excitation (Ag, Mo, Cu, W) Si-Pin and Silicon Drift Detector, possibility of Polarized Excitation



- XRF Software for Quantitative Calculations



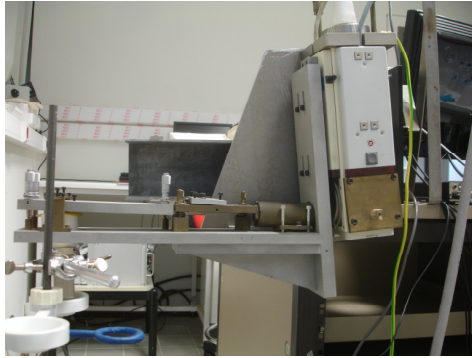
- Radioisotope Excitation (Fe-55, Cd-109, Am-241, Am-241-Sn)



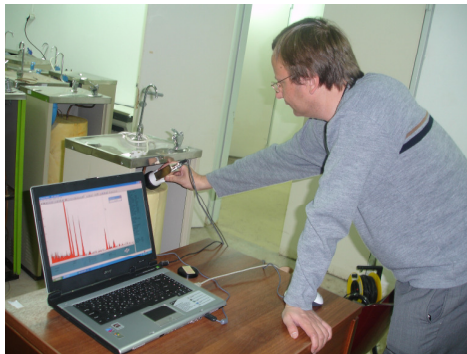
- Si(Li) X-Ray Detectors



- Total Reflection X-Ray Fluorescence (TXRF, Tube Excitation - Ag, Mo, Cu, W)



- Mobile XRF / on-site measurements / non-destructive analysis



- Liquid Chromatography, Ion Chromatography, Chemical Suppressor and Post Column Derivatization, HPLC
- Thermal Analysis (TG, DTA, DSC)
- UV-Vis with Diffuse and Specular Reflectance
- Gamma Ray Spectrometry (Ge detector, RE-Ge Detector, Gamma Ray Lead Shield)



- Radiation Shielding



- Scintillation Gamma-Ray Detectors, Beta Ray Detector



- Computer Controlled Microwave Digestion
- High Temperature Furnace
- Drying Oven (20 - 99, 0.1°C)



- Press for XRF and IR Pellet Production
- Freeze Drying
- Centrifuge



- Analytical Balance (0.001 - 0.00001 g)



- Liquid Nitrogen Production Plant



- Liquid Nitrogen Dewars



- High Purity Water Production unit (Type I-ASTM-D1193-91, Resistivity 18.0 MΩ3 cm)



- Deionized water production (resins)
- Shaker Rotator/Mixer
- Test tube temperature controlled Shaker
- Microprocessor controlled nanoliter injection unit
- High Vacuum Pump System
- Low Vacuum Pump
- Laboratory gas cylinders (Helium, Nitrogen)
- Classical Methods Chemical Lab.
- Flexible Thin Films (Mylar[®], Kapton[®], Prolene[®])
- Standard reference Materials (NIST, IAEA etc.) Specialized Reagents, etc.

