



11th ILSF Users' Meeting

Islamic Azad University of Qazvin,
Qazvin, Iran

April 29th & 30th, 2019

FIRST ANNOUNCEMENT

Join the community of synchrotron radiation users sharing their knowledge and experience of S.R. applications in the fields of :



PHYSICS



STRUCTURAL BIOLOGY



EARTH SCIENCES



CHEMISTRY



OIL & GAS INDUSTRIES



ENVIRONMENT



MATERIALS SCIENCE



PHARMACEUTICS



ARCHEOMETRY

ABOUT THE IMAGE: AIRBUS HAS COME TO THE EUROPEAN SYNCHROTRON (ESRF) TO TEST HOW WELL ELECTRONIC DEVICES USED IN SATELLITES CAN SUSTAIN COSMIC RADIATIONS.

The team has come to beamline ID09, where they give the sample a single pulse and check how the device behaves. The advantage of synchrotron sources is that X-rays can penetrate into different layers.

ID09@ESRF permits time-resolved diffraction for single and poly crystals, as well as Laue diffraction. It is a Beamline for experiments with a time resolution down to 100 picoseconds. Structural changes are initiated by short laser pulses or rapid mixing of liquid solutions and are probed by delayed x-ray pulses. Set-up includes unique x-ray optics for intense polychromatic X-ray beams.



MORE INFORMATION

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OUR CONTRIBUTORS



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Qazvin Provincial Government

