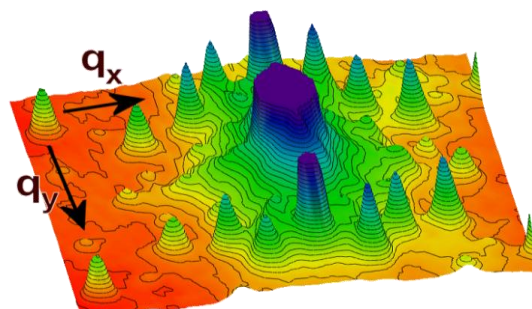


Dmitry Chernyshov
Scientist,
Swiss-Norwegian Beam Lines at European
Synchrotron Radiation Facility
71, Avenue des Martyrs, CS40220
38000 Grenoble, France
Tel: 33 (0)4 76 88 27 75
www.snbl.eu



- Since 2005 Swiss-Norwegian Beam Lines at the European Synchrotron Radiation Facility, Grenoble, France
Scientist
- 2000-2004 Laboratory for Chemical and Mineralogical Crystallography, Universität Bern, Switzerland.
Postdoc.
- 1989-2000 Petersburg Nuclear Physics Institute, Material Research Laboratory. Russia
From research fellow to senior researcher.
- 1999 Ph.D. degree in Physics and Mathematics. Petersburg Nuclear Physics Institute (PNPI, Russia),
- 1989 M.S&B.S in Engineering. State Technical University (former Leningrad Polytechnic Institute, Department of Physics and Metallurgy) Leningrad, USSR.
-

My professional interests are in a broad crossroad between crystallography, solid state physics, and structural chemistry, and imply an active use of scattering experiments including single crystal and powder diffraction with X-ray and neutron radiation, X-ray and neutron inelastic scattering, Raman scattering. My research projects cover a range of topics in physics and chemistry, from light borohydrides for hydrogen storage to rare-earth based complex oxides and superconductors. I am also interested in phenomenological and microscopic theories of phase transition phenomena, symmetry and chirality aspects of phase transformations. Thermal diffuse scattering and diffuse scattering due to occupational and displacive disorder, analysis of structural correlations at short range is another topic of my present activity as well as theoretical and experimental studies of spin and structural transitions in molecular crystals induced by temperature, pressure, and light.



More than 150 papers in peer-reviewed journals, above 2600 citations , the h-index is 29.
List of publications and citation metrics can be found at
<http://scholar.google.fr/citations?user=PZTdBIwAAAAJ>