



**Experiment title: Structural properties of FeGe at high pressures and low temperatures**

**Experiment number:**  
HS 2379

<b>Beamline:</b> ID 09	<b>Date of experiment:</b> from: 4. March 05 to: 8. March 05	<b>Date of report:</b> 1. March 07  <i>Received at ESRF:</i>
<b>Shifts: 12</b>	<b>Local contact(s):</b> M. Hanfland	
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### **Report:**

The diffraction data of measurements at different temperatures have been analysed and refined. The observed anomalies of the electrical resistivity could be correlated to an anomalous change of the shortest Fe-Ge distance in the crystal structure.

The combined results of diffraction experiments at the ESRF and electrical measurement at the University of Geneva have been accepted for publication in Phys. Rev. Lett **98**, 047204 (2007).