

MPG Halbleiterlabor, Otto-Hahn-Ring 6, D-81739 München

To  
Spokespersons and CB Chair of the  
RD 50 Collaboration

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## Application to join the RD50 Collaboration - Answers to the Questionnaire

The Semiconductor Laboratory of the Max-Planck-Society (MPG HLL, formerly known as the MPI Halbleiterlabor) would like to join the RD50 Collaboration and participate in the development of radiation hard semiconductor devices.

### **Name of the Institution and contact person:**

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### **Group Members:**

Ladislav Andricek, Jelena Ninkovic, Rainer Richter, and technical staff

### **Current Research Activities:**

Development, design and production of silicon detectors for ionizing radiation. Current projects in the HEP field are active pixel sensors for Belle II and ILC and in cooperation with MPI für Physik the development and production of thin planar sensors for the ATLAS Pixel upgrade based on SOI wafers.

### **Field of interest within the RD50 collaboration:**

See above. In general, the development of radiation hard devices and technologies for high luminosity colliders.

### **Available resources (Instrumentation, irradiation facilities etc.)**

The MPG HLL has a complete process line for the production of silicon sensors, including state-of-the-art interconnection technologies. In addition there is a fully equipped test area for qualification of material and sensors before and after irradiation.