# Agenda

## Tuesday, August 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>18:00</td>
<td>Welcome ⇒ GSI Guest House</td>
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<tr>
<td>19:30</td>
<td>Departure for dinner at restaurant <em>Sitte</em></td>
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## Wednesday, August 31

### Session I: Diamond Growth

- **9:15** News from I3HP & NoRHDia
  - Elèni Berdermann

- **9:30** The homoepitaxial growth of thick single crystal CVD diamond for detector applications
  - Nicolas Tranchant, Saclay

- **10:00** Homoeptaxial growth of diamond for detector applications
  - Thomas Bauer, Uni Augsburg

- **10:30** Current state of heteroepitaxial diamond deposition
  - Mathias Schreck, Uni Augsburg

### 11:00 Coffee Break

### Session II: Diamond Surface + Metallization (1)

- **11:30** CVD Diamond surface characterization and contact interface properties
  - Christoph Nebel, AIST Tsukuba

### 12:15 Lunch, GSI canteen

### Session III: Surface + Metallization (2), Radiation Hardness

- **14:00** Metal-film formation studied with IR spectroscopy
  - Annemarie Pucci, KIP Uni Heidelberg

- **14:30** Metallization of diamonds at the Target Laboratory at GSI
  - Bettina Lommel, GSI Darmstadt

- **15:00** Investigation of the "dead layer" in natural diamond detectors by energy cut-off measurements
  - Vitaly Liechtenstein, Kurchatov Inst. Moscow

- **15:30** Radiation hardness of insulating materials and semiconductors
  - Kurt Schwartz, GSI Darmstadt

### 16:00 Coffee Break
Session IV: Diamond Detectors (1)

16:30  SC diamond detectors for synchrotron beam monitoring
17:00  Characterization of Single Crystal CVD diamond detectors for heavy ions spectroscopy and MIPs timing
17:30  Mapping single-crystal diamond with $^{12}$C micro beams
18:00  SC-Diamond for ToF measurements with relativistic particles: First beam test with $^{27}$Al ions of 2 GeV/amu

19:00  Dinner Buffet, GSI Guest House Foyer

Thursday, September 1  ⇒  Meeting Room ⇒  Theory seminar room SB 3.170a

Session V: Diamond Detectors (2)

9:30  Diamond Detector developments at DESY
10:00  Synthetic diamonds for heavy-ion therapy dosimetry
10:30  Modeling of the transport properties of CVD diamond detectors

11:00  Coffee Break

Session VI: FE Electronics for Diamond Detectors (1)

11:30  Low-noise preamplifier for SC diamond detectors
12:00  SC diamond detector FE electronics for MIPs timing

12:30  Lunch, GSI canteen

Session VII: FE electronics for Diamond Detectors (2)

14:00  Proposals to use NINO ASIC chips for diamond detectors
14:30  Time Stamping for Diamond

Session VIII: Collaboration Issues

15:00  Discussion of next steps:
      Sample distribution, radiation hardness studies etc.

15:30  End of the workshop