

Tentative Program

«Isolated Matter - Fundamental Processes In Isolated Systems & Environment and Geosciences,
Physical chemistry of Atmospheres and Space » Scientific Section Cross-cut review

«Hydration processes: from the gas to Liquid Phases» 17-18 December 2025

Wednesday, December 17th, 2025

9:45 - 10:15	Arrival & welcome coffee - (near SOLEIL Amphithéâtre)
10:20 - 18:00	Open session (SOLEIL Amphithéâtre - Central Building)
10:20 - 10:40	Introduction to cross-cut review and SOLEIL II <i>Amina TALEB-IBRAHIMI - Science Director – (15 min + 5 min)</i>
10:40 - 11:00	Description of Sections and Organization of CCR - (15 min + 5 min) <i>Laurent NAHON, DESIRS Beamline - SOLEIL</i> <i>John BOZEK, PLEIADES Beamline - SOLEIL</i>
11:00 - 11:30	Tender x-ray experiments on liquid jets <i>Denis CEOLIN, GALAXIES Beamline - SOLEIL (20 + 10 min)</i>
11:30 - 12:00	Liquid Jet experiments at PLEIADES and More <i>Christophe NICOLAS, PLEIADES Beamline - SOLEIL – (20 + 10 min)</i>
12:00 - 12:30	i ² PEPICO endstation and applications to the study of solvation in the gas phase <i>Gustavo GARCIA-MACIAS, DESIRS Beamline - SOLEIL (20 + 10 min)</i>
12:30 - 14:00	Lunch - SOLEIL Restaurant <i>(Panel members, Scientific Section Responsible, Science Directors, expert users)</i>
14:00 - 14:30	Action spectroscopy of hydrated ions in the gas phase <i>Alexandre GIULIANI, DESIRS Beamline – SOLEIL (20 + 10 min)</i>
14:30 - 15:00	Infrared studies of water <i>Robert GEORGES, CNRS Institut de Physique de Rennes- UMR 6251 (20 + 10 min)</i> <i>Jean-Blaise BRUBACH, AILES Beamline, SOLEIL</i>
15:00 - 15:30	Direct and indirect photoionization processes in small solvation complexes <i>Sebastian HARTWEG, Institute of Physics, University of Freiburg – (20 + 10 min)</i>
15:30 - 16:00	Understanding the most energetic events in solution chemistry: soft x-ray irradiation <i>Jean-Philippe RENAULT CEA Saclay /DRF/ IRAMIS / NIMBE (20 + 10 min)</i>
16:00 - 16:30	Coffee break - (near SOLEIL Amphithéâtre)
16:30 - 17:00	X-ray-induced charge-transfer-process in solution <i>Olle BJÖRNEHOLM, Department of Physics, Uppsala University (20 + 10 min)</i>
17:00 - 18:00	Chemistry Labs, Biology Labs, GRADES - SOLEIL <i>Stéphanie BLANCHANDIN (15 + 5 min), Gabriel DAVID (15 + 5 min), Emmanuel FARHI -</i>
18:00 - 19:00	Visit of beamlines <i>GALAXIES, DESIRS, PLEIADES, AILES</i>
19:30	Departure for Dinner
20:00	Dinner with expert panel, BL Scientists, SOLEIL Science Directors, Expert users

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Thursday, December 18th, 2025

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| 9:30 - 16:15 | Closed and Open session
(SOLEIL Amphithéâtre & Room A2.1.32 - LIBRA - 1st floor - Central Building)

<u>Room: A2.1.32 - LIBRA - 1st floor - Central Building</u> |
| 9:30 - 10:15 | Closed session (Panel members only) : Panel Discussion |
| 10:15 - 11:00 | Closed session (Panel members + Science Directors + <i>Laurent Nahon</i> + <i>John Bozek</i>) :
Discussion - Conclusion |
| 11:00 - 11:30 | Coffee break - (near SOLEIL Amphithéâtre) |
| 11:30 - 12:30 | Closed session (Panel members only) : Discussion |
| 12:30 - 14:00 | Lunch - SOLEIL Restaurant |
| 14:00 - 15:00 | Closed session (Panel members & invitees as needed) : Discussion

<u>Room: SOLEIL Amphithéâtre - Central Building</u> |
| 15:00 - 16:00 | Open session : Panel Conclusions and Recommendations |
| 16:00 - 16:15 | Closing by Laurent NAHON & John BOZEK and Science Directors |