

International Workshop on Advances in Quantum Magnetism and Superconductivity (Parma, January 8–9, 2026)

| 8 January | | | |
|-------------|-----------------------------|--------------------------------------|--|
| Time | Speaker / Event | Affiliation | Title |
| 14:30 | Welcome | | |
| 15:00–15:30 | Roberto De Renzi | University of Parma, Italy | <i>Quantum magnetism and superconductivity from the INPS viewpoint</i> |
| 15:30–16:00 | Stephen Blundell | University of Oxford, UK | To be defined |
| 16:00–16:30 | Bernd Büchner | IFW Dresden, Germany | <i>Topological superconductivity in PtBi₂</i> |
| 16:30–16:50 | Coffee Break | | |
| 16:50–17:20 | Vesna Mitrović | Brown University, USA | <i>Probing Ground State Wavefunction Evolution through Magnetic Phase Transition in Layered van der Waals Material</i> |
| 17:20–17:50 | Pietro Carretta | University of Pavia, Italy | <i>Very low-frequency fluctuations emerging from competing interactions: from iron-based superconductors to metal-organic frameworks</i> |
| 17:50–18:10 | Roberto Caciuffo | Italy | <i>XMCD and RIXS studies probing ground and excited states in the metallic ferromagnet AmFe₂</i> |
| 18:10–18:30 | Renato Gonnelli | Politecnico di Torino, Italy | <i>Multi-gap nature of superconductivity in gate-driven hydrogen intercalated 1T-TiSe₂</i> |
| 20:00 | Dinner | | |
| 9 January | | | |
| Time | Speaker / Event | Affiliation | Title |
| 09:30–09:50 | Hubertus Lütkens | Paul Scherrer Institute, Switzerland | <i>Magnetic and charge density wave order in La₃Ni2O₇, La₂PrNi2O₇, and La₄Ni3O₁₀ as a function of pressure and oxygen-isotope substitution</i> |
| 09:50–10:10 | Adrian Hillier | ISIS Neutron and Muon, UK | To be defined |
| 10:10–10:30 | Giacomo Ghiringhelli | Politecnico di Milano, Italy | <i>Antiferromagnetic order of CaCuO₂ studied by neutrons, muons and x-rays</i> |
| 10:30–11:00 | Coffee Break | | |
| 11:00–11:20 | Josè Lorenzana | CNR, Rome, Italy | <i>Dynamic Rashba mechanism of superconductivity in incipient ferroelectrics</i> |
| 11:20–11:40 | Giulia Serrano | University of Florence, Italy | <i>Probing Single-Molecule Magnet Interactions with Superconductors through Synchrotron and Muon Spectroscopies</i> |
| 11:40–12:00 | Marina Putti | University of Genoa, Italy | <i>Sensing the vortex state of a vdW type-II superconductor by Fe-based Single Molecule Magnets</i> |
| 12:00–12:20 | Ruggero Vaglio | University of Naples, Italy | <i>Current redistribution effects in superconductors</i> |
| 12:20–13:00 | Concluding remarks | | |
| 13:00 | Conclusion | | |

Times are local (CET). Program subject to minor changes.