

THEORETICAL MOTIVATIONS AND EMPIRICAL EVIDENCE FOR DIQUARK CORRELATIONS IN HADRONS

19-23 OCTOBER 2026

ECT* - Villa Tambosi, Villazzano

ORGANIZERS

Zhao-Qian **YAO** (Helmholtz-Zentrum Dresden-Rossendorf)

Taisiya **MINEEVA** (Universidad de La Serena)

Craig **ROBERTS** (Nanjing University)

Bogdan **WOJTSEKHOWSKI** (JLab)

MAIN TOPICS

- Status of theory predictions for diquark correlations in hadrons
- Diquarks as an expression of dynamics associated with emergent hadron mass
- Experimental signatures for the presence of diquark correlations in hadrons
- Existence and character of diquark correlations in baryons and multiquark systems.
- Considerations of whether diquarks are the only two-body correlations that can play a role in hadron structure
- Identification of new experiments, facilities and analysis tools that are best suited to testing the picture of two-body correlations in hadrons

ECT* Director: Prof. Ubirajara van Kolck

The ECT* is part of the Fondazione Bruno Kessler. The Centre is funded by the Autonomous Province of Trento, funding agencies of EU Member and Associated states, and by INFN-TIFPA and has the support of the Department of Physics of the University of Trento.

For the organization please contact: Susan Driessen – ECT* Secretariat - Villa Tambosi - Strada delle Tabarelle 286 | 38123 Villazzano (Trento) – Italy | Tel.: (+39-0461) 314722
E-mail: driessen@ectstar.eu or visit <http://www.ectstar.eu>

SUPPORTING INSTITUTIONS

