

# “Analytic structure of QCD and Yang-Lee edge singularity”

**08-12** Sep. 2025

ECT\* Villa Tambosi, Villazzano



**Organizers:** Vladimir Skokov  
Christian Schmidt  
Gokce Basar

**Key topics:**

- Analytic structure of QCD equation of state
- QCD Yang-Lee edge singularity
- QCD critical point from extrapolating YLE trajectories
- Analytic continuation of Taylor and Fourier series
- Universal equation of state and universal location of YLE singularity

**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](mailto:driessen@ectstar.eu) or visit <http://www.ectstar.eu>