



668. WE-HERAEUS-SEMINAR

BARYON FORM FACTORS WHERE DO WE STAND?

**WE-HERAEUS
MANAGING DIRECTOR**

DR. STEFAN JORDA

SEMINAR ORGANIZER

JUTTA LANG

SCIENTIFIC ORGANIZERS

EGLE TOMASI-GUSTAFSSON

SIMONE PACETTI

ALAA DBEYSSI

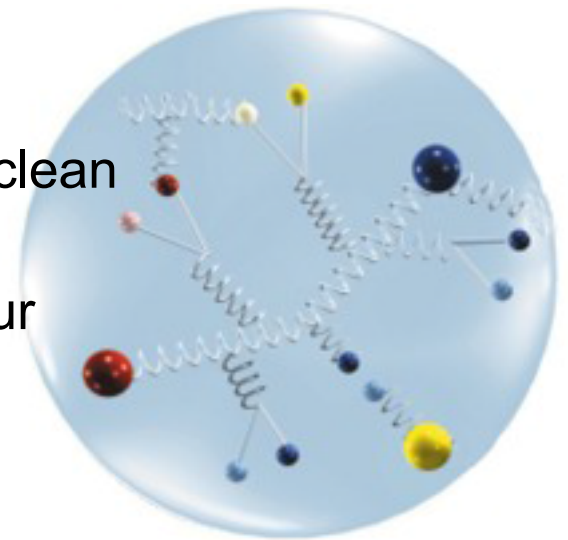


MOTIVATION

The understanding of the hadron structure is presently one of the central issues in hadron physics

Electromagnetic form factors

- Fundamental quantities
- Measurements are possible in (almost) a clean environment
- Simplest objects used as test ground of our understanding of the QCD theory



Attractive field since long time ago

- Nobel prize of R. Hofstadter in 1961
- Technical developments and discoveries, in the last years, modified essentially our understanding of the hadrons and opened new questions

GOALS OF THE SEMINAR

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- Clarify past and recent experimental results and critically compare different analyses and interpretations.
 - Deepen the understanding of the reaction amplitudes for the crossed elementary processes involving electrons and protons, through a unified analysis in space and time-like regions.
 - Discuss the present data from two photon exchange experiments and the applied corrections.
 - Proton radius puzzle, current status and future investigations.
 - Discuss measurements at BESIII, at the upgraded JLab experiments, at the future facility FAIR, ...
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- **What are the important unresolved theoretical issues?**
 - **What are the important measurements to be performed?**



SCIENTIFIC PROGRAM

The seminar will consist in 8 sessions of 3 hours each.

There will be 40 (+10) min talks: to discuss specific points, where details are necessary, or general review talks.

and 25 (+5) min talks: dedicated to specific, important results obtained in theory or experiments.

Discussions on the open questions raised during the seminar

Wednesday 12:00 – 12:30

Thursday 12:00 – 12:30

POSTER PRESENTATIONS

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Monday 17:40 – 18:15 : Poster flash presentations (3 min. / 2 slides each)

Tuesday 16:40 – 18:30 : Poster session

Friday : Poster award



GENERAL INFORMATION

Monday 12:20 Conference Photo (in the foyer of the lecture hall).

Wednesday 14:30 – 18:30 Excursion (leisurely hike in the vicinity).

Breakfasts, Lunches and Dinners will be offered at the Physikzentrum.

Please note that there will be no dinner at the Physikzentrum on Friday evening for participants leaving the next morning.



GENERAL INFORMATION

- Certificates of attendance are available before your departure.
- Beverages at the conference dinner are free of charge.

Otherwise, all other beverages (except mineral water – big bottles) have to be paid:

please make a tick on the list available next to the refrigerators and pay your bill on Friday.



SAFETY INSTRUCTIONS

Prevent fire



Smoking and open fire in the building are strictly forbidden

There is a smoke detector in every guest room!



In case of fire:

- Alert others (sleeping or having headsets)
- Help people with special needs
- Close windows and doors
- Leave the building:
Do not use elevator, use the stairs

Gathering place in case of fire



In a safe location, call **112**
to report the emergency

Freedom and safety



- To activate the lock press the transponder button
- If you don't lock your room door it will stay open!
- Keep your transponder during the whole meeting, don't put it to the key hanger!

Freedom and safety

Your room transponder opens also all outer doors!



This is a transponder
signal receiver

- To unlock the door
just press
the transponder button