

# **E.C.G. STUECKELBERG**

**(1905-1984)**

**Symposium for the centenary of his birth**



**PROGRAM**

## **SCIENTIFIC PROGRAM**

Ernst C. G. Stueckelberg was one of the most eminent Swiss physicists of the 20th century. Whereas the originality of his mind and the novelty of his achievements have been widely acknowledged, the man and all the more his work are still largely overlooked. His breakthroughs, from his causal S-matrix to the renormalization group, have nevertheless influenced the development of contemporary theoretical physics. In the centenary year of his birth, some of the best experts of Stueckelberg's thought, physicists and historians, will examine his scientific work in its context and assess its significance. Their contributions will be completed by accounts of those who have known Stueckelberg as colleagues or students, in Geneva and Lausanne.

This symposium is organized with the financial support of the Department of Physics of the University of Geneva, of the Centre romand "Logique, Histoire et Philosophie des Sciences", of the Swiss National Research Foundation, and of the Société de Physique et d'Histoire Naturelle de Genève.

## FRIDAY, DECEMBER 2

- 9 h. 55                    Opening address
- 10 h. 00                    **Gérard Wanders**  
A short biography of E. C. G. Stueckelberg.
- 10 h. 15                    **Majed Chergui**  
Stueckelberg's contribution to molecular dynamics.
- 10 h. 45                    Discussion - Coffee break
- 11 h. 00                    **Jan Lacki**  
Stueckelberg's covariant perturbation theory.
- 11 h. 45                    Discussion
- 12 h. 00                    **Olivier Darrigol**  
Stueckelberg's field theory of matter: 1936-39.
- 13 h. 00                    Lunch break
- 14 h. 30                    **Henri Ruegg**  
Stueckelberg B-field;  $e^+ - e^-$ .
- 15 h. 00                    Discussion
- 15 h. 15                    **Helmut Rechenberg**  
Stueckelberg's interest in the S-matrix theory.
- 16 h. 00                    Discussion – Coffee break
- 16 h. 15                    **Dimitri Shirkov**  
The renormalization group.
- 17 h. 00                    Discussion
- 17 h. 15                    **Werner Israel**  
Relativistic thermodynamics.
- 19 h. 30                    Dinner at the restaurant *l'Echalotte*.

## SATURDAY, DECEMBER 3

- 10 h. 00            **Gérard Wanders**  
Stueckelberg and the Suisse romande.
- 10 h. 30            Discussion - Coffee break
- 10 h. 40            **Charles Enz**  
Stueckelberg and Zurich.
- 11 h. 25            Discussion
- 11 h. 35            **André Petermann**  
to be specified.
- 12 h. 20            Discussion
- 12 h. 30            **Valentin Telegdi**  
Stueckelberg and his time.

## **REGISTRATION**

The participants are kindly invited to register writing at the following address where further information can be obtained.

Symposium Stueckelberg,  
Ecole de Physique  
Université de Genève  
24, quai Ernest Ansermet  
CH-1211 Genève 4

Telephone:           022 379 6303/6312/6313;  
Fax:                   022 379 6870;  
E-mail:               scdpt@physics.unige.ch

There are no registration fees, but the participants willing to attend the evening dinner are required to register and expected to cover their expenses.

## **PRACTICAL INFORMATION**

### **Location**

The conferences of the symposium will take place in the lecture room "Stueckelberg", located in the building of the Physics Department of the University of Geneva, 24, Quai Ernest Ansermet. This building is located within 30 minutes from the train station by public transportation (see the information and plan at the url: <http://www.unige.ch/visite/batiments/fr/sciences.html>).

### **Access**

From the station:       tram line 13, 15, tram stop "Place du Cirque";  
                              bus line 1, bus stop "Ecole-de-Médecine".

### **Housing**

There is a fair number of hotels in the neighbourhood of the Ecole de Physique.

We have an arrangement with the hotel "Le Grenil", 7, Av. Ste – Clotilde,  
tel. 022 328 3055, fax: 022 321 6010.

In case of no vacancy in Le Grenil, one can consider also hotel Carmen, 5, rue Dancet, tel. 022 329 1111, fax. 022 781 5933, and hotel Comédie, 12, rue de Carouge, 022 322 2324, fax: 022 322 2323.

### **Welcome**

Thursday December 1, from 6 p.m. on, hall of the hotel "Le Grenil",  
7, Av. Ste - Clotilde ; Tel. 022 328 3055.