

PROCEEDINGS OF THE 6<sup>th</sup> ADRIATIC MEETING ON PARTICLE PHYSICS

MODERN TRENDS IN PARTICLE PHYSICS '89

SEMINARS

Inter-University Center, Dubrovnik, June 12 - 22, 1989

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organized by

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## PREFACE

The Adriatic Meeting is a traditional meeting of physicists coming to the Adriatic sea to present, discuss and learn about selected topics in high energy physics. The next meeting will take place in 1992. The 6<sup>th</sup> Adriatic Meeting took place from June 12-22 in Dubrovnik, a lovely mediaeval city with its ancient form untouched, making the visitor feel that time has almost stopped. In such an atmosphere, there was plenty of opportunity for participants - lecturers, seminar-speakers and students-to participate in stimulating discussions and to make the meeting successful.

At a time when a dream to understand the laws of Nature through theories and through experiments seems to be becoming a little more real, discussions among physicists to exchange ideas, to debate different opinions and to set up open problems are very much needed. It seems that the steps science is making are in the right direction. These steps are successful phenomenological models and theories such as the standard electroweak theory, whose predictions agree with the latest experimental data almost unbelievably well. Since the symmetries and the renormalization concepts seem to be the main guide for choosing steps towards a unified theory of Nature, many lectures and seminars of the meeting discussed these topics. Other contributions concerned the connections between theory and experimental data.

These proceedings contain those seminars which had not been announced in advance. We are publishing those which were sent in time, which are of the proposed format and which are in agreement with the stipulations of Fizika. Some of the contributions not arriving in time will be published in the Proceedings of the Adriatic Meeting by the North-Holland Physics Publishing Division together with the lectures and the announced seminars. One can find the authors' names and the titles of their contributions to those proceedings in this present supplement.

On behalf of the organizing committee and myself, I would like to thank all participants of the 6<sup>th</sup> Adriatic Meeting for the stimulating atmosphere and, on my own behalf, all those who carefully prepared their manuscripts for this book.

Ljubljana, 16 November 1989

N. Mankoč-Borštnik