Lecture Notes in Physics

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Managing Editor: W. Beiglböck, Heidelberg

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Scattering Theory: Unitarity, Analyticity and Crossing

Notes taken by R. Schrader, Zürich

Springer-Verlag
Berlin · Heidelberg · New York 1969

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Title No. 3322

Foreword

These lecture notes are based on a course that I gave at the Swiss Federal Institute of Technology during the Summer Semester 1969 at the invitation of Professors M. Fierz, K. Hepp and R. Jost. I am extremely grateful to them for this opportunity they gave me to teach on my favourite subject. Dr. R. Schrader has been kind enough to accept to take notes and reconstruct a coherent version of what I said. If the reader is dissatisfied with the presentation of the material contained in the lecture notes I am to blame because I think that Dr. Schrader did a very good job in disentangling my sineous progression and restating in a more correct mathematical language what I said. Dr. Schrader and I are also very much indebted to Dr. C. Chandler and Prof. K. Hepp who critically read the manuscript and eliminated the most obvious grammatical mistakes. However, they should not be held responsible for the general Un-English appearence of lecture notes originating from a course given in French to a German speaking audience. Many thanks are also due to Miss Hintermann who had the task to type these notes.

André Martin

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