

Chapter 22

SBM Guide to the Literature as of June 1972

Rolf Hagedorn

Abstract A large number of research papers motivated Rolf Hagedorn to prepare a guide to the Statistical Bootstrap Model literature in mid-1972; he wanted to show the reader a) which publications best prepare the uninitiated, b) how different publications relate to each other, and c) he aimed to connect similar developments into groups. The two figures classify in this fashion the research works, providing in the rendition the relevant Refs. [[1]–[70]]. The editor updated all preprint citations for the 2015 printing.

This guide contains two figures and a list of references. It is neither complete nor unbiased.

Figure 22.1 gives the recommended reading sequence. After reading the introductory lectures (partly overlapping), the reader should be able to enter the lower boxes at any place, though it might be advantageous to follow the given sequence. The reader will notice overlaps and inconsistencies, because the reading sequence does not coincide with the historical development.

Figure 22.2 tries to picture the logical (and roughly the historical) connections. The isolated box with the name Koppe indicates that he was the first to contemplate statistical and thermodynamical interpretations of pion production. Unfortunately, his two papers came too early and went unnoticed. When two years later Fermi elaborated the same idea in great detail, he obviously had no knowledge of Koppe's work.

In both figures, the sequence goes along top to bottom lines of connection, unless indicated otherwise by an arrow.

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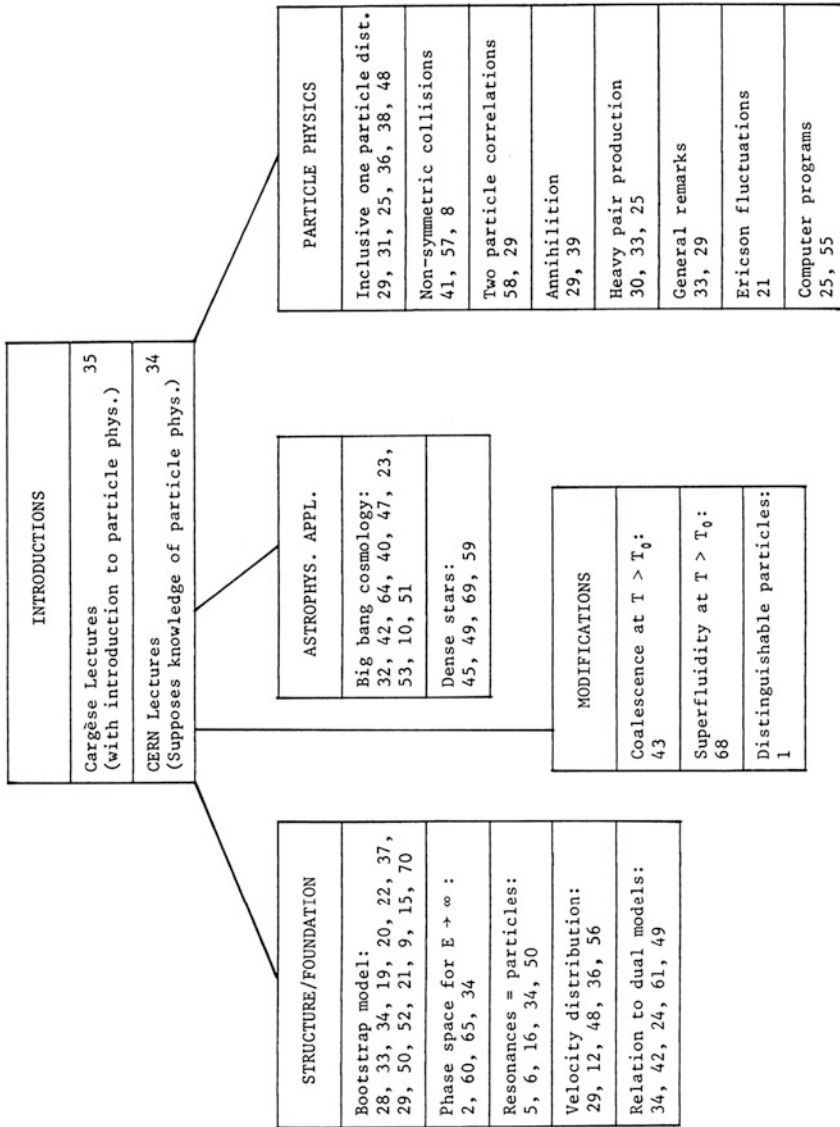


Fig. 22.1 Recommended reading sequence

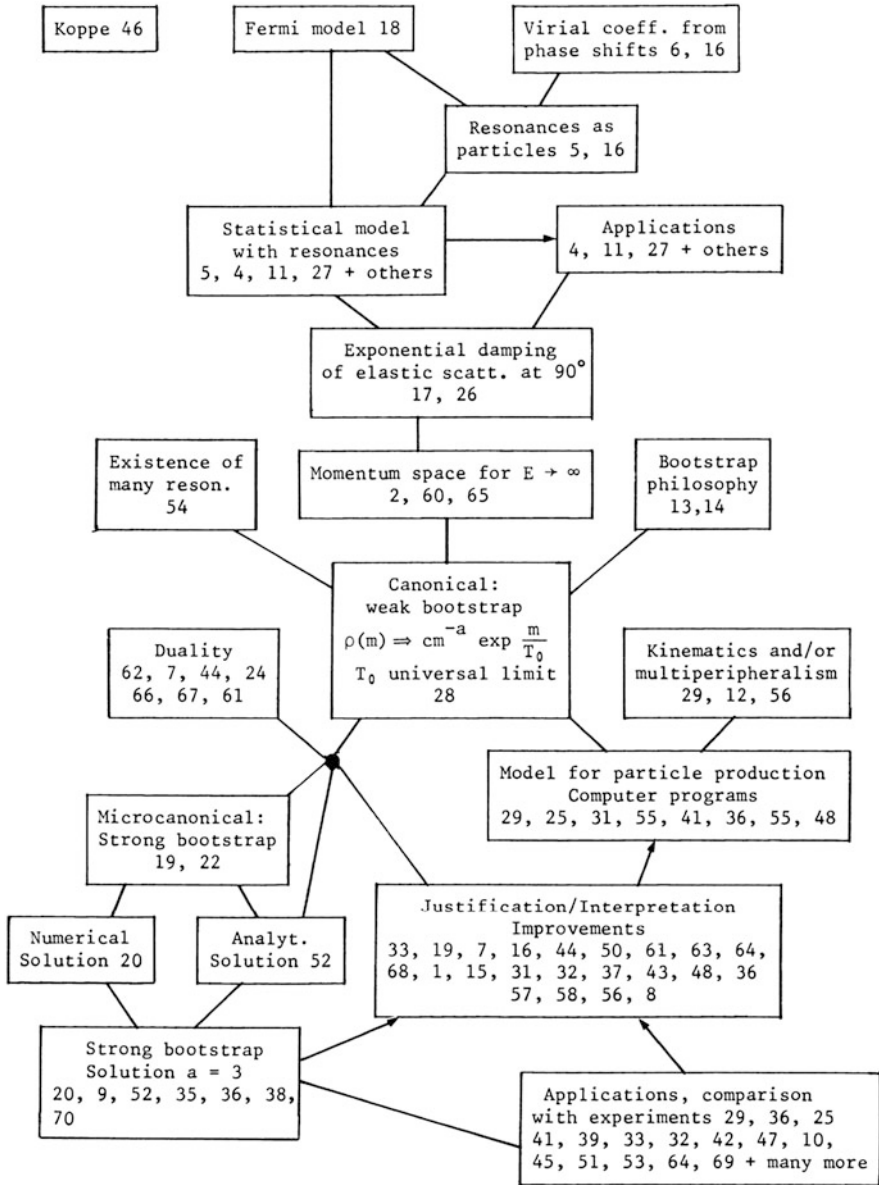


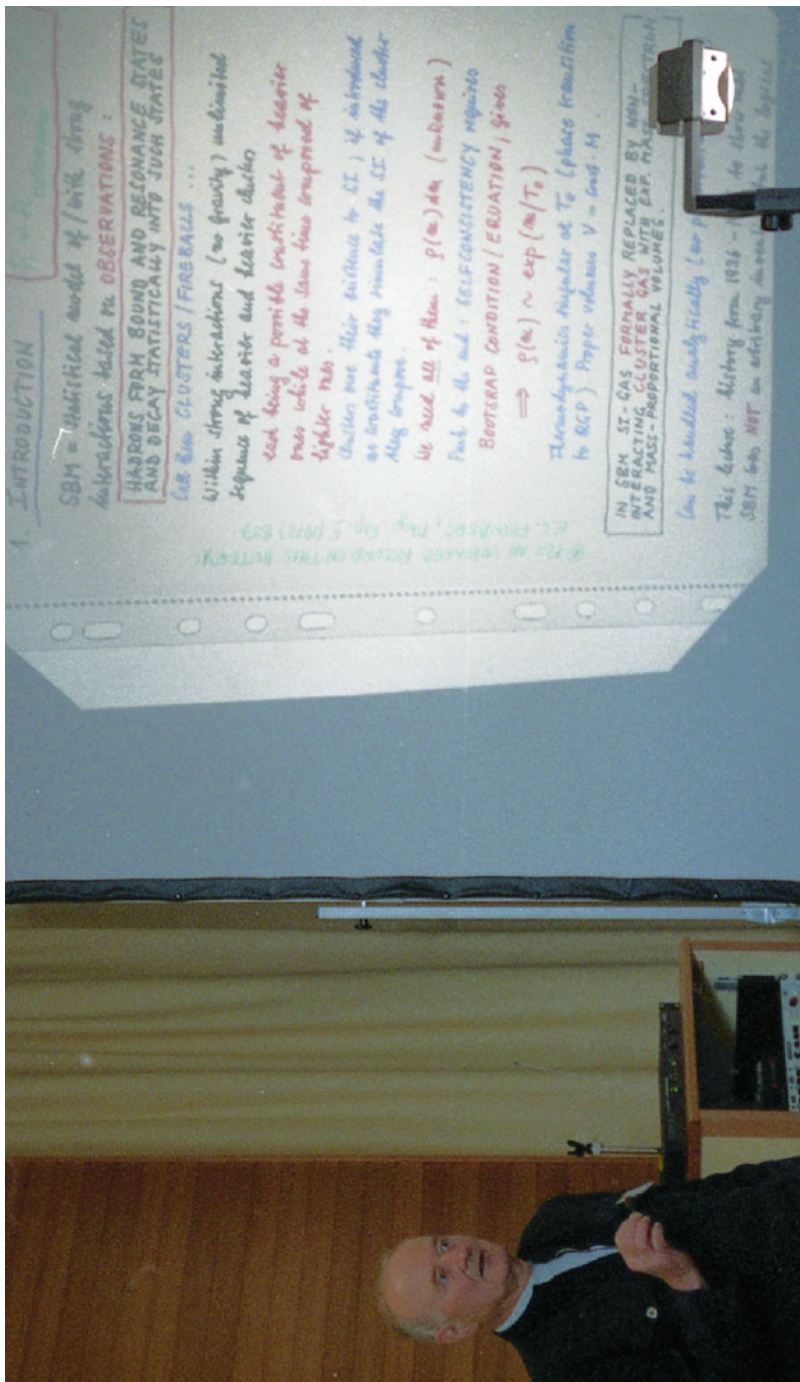
Fig. 22.2 Logical connections with reference numbers

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Rolf Hagedorn presents a SBM retrospective, June 1994, 22 years after this SBM guide is issued. Image credit: CERN Image 1994-06-63-022