1. Introduction: Crude discussion of well-known problems of interactions relativistic quantum mechanics: Unboundedness below, strong restrictions of forms of interaction. Relate to Lukas' theorem.

2. Mention of how direct interactions might circumvent the problems connected to a system of unbounded below energy. Quick review of Matthias equation. Summarise results of Matthias and Rodi.

   - Dirac particle result
     - think about choices for the Greensfunction
   - KG full interaction result.
     - interpretation of distributions
     - finish proof (some calculations still to be done, but should be finished soon)

   Discuss missing preserved current

3. Introduction to QFT as solution to problem of unstable dynamics (maybe allude to the Dirac sea)

   - Hadamard paper
   - S-matrix construction
   - geometry of phase
     - no fundamental questions left, but should be gone through once more and should be proofread.