

ALICE-PUB 2000-19
12 October 2000

**Fundamental and Applied Aspects of Modern Physics
Luderitz, Namibia, November 13-17, 2000**

Title of the talk : Search for Strangeness at new Ultra-relativistic Heavy-ion Colliders.

Abstract : The Relativistic Heavy-Ion Collider (RHIC) is operating since a few months. The Large Hadron Collider (LHC) will be operational around 2005. They will be served by several experiments of considerable scale. Among them, the STAR and the ALICE experiments are dedicated to the study of fundamental aspects linked to an expected phase transition between the hadronic and a deconfined-quark state of nuclear matter. Numerous experimental approaches are offered by the versatility of these experiments, one of the most effective is the study of the strangeness production. An expected intriguing form of strangeness is the H_0 , the result of a $uuddss$ quark state or of a $2\Lambda_0$ aggregation. The presentation will deal with the strangeness study and with possible experimental attempts to identify such a H_0 nuclear state, thus extending the promising general study of strangeness.

ALICE-PUB 2000-20
12 October 2000

**Symposium on Fundamental Issues in Elementary Matter
Bad Honnef, Germany, September 25-29, 2000**

Title of the talk : Strangeness Study in the STAR and ALICE experiments.

There, no abstract has been requested. The content will be pretty much the same with minor changes between the two talks, mostly by adding/subtracting some instrumental consideration entirely devoted to the SSD aspects.

The two talks will be devoted to ALICE and STAR as well. The instrumental part will be mostly relevant to STAR.