

**Title:** Heavy Ions Physics

**Lecturer:** STACHEL, J

**Date and Times:** 29th July at 10:15  
30<sup>th</sup> July at 09:15  
30<sup>th</sup> July at 10:15

### **Summary of the proposed talk**

Introduction phase diagram of hadronic matter and quark gluon plasma results from lattice qcd the experimental fixed target program of high energy heavy ion collisions that started at CERN and Brookhaven in 1986, the experiments, most important results and conclusions (CERN press release 2/2000 the collider program: first results from RHIC and outlook to LHC.

### **Prerequisite knowledge and references:**

Introductory course in particle physics

## **Biography**

### **Professor Johanna Stachel**

1972 - 1978 Studies of chemistry and physics University of Mainz and ETH Zuerich

1982 Dr. rer nat University of Mainz

1983-1984 Feodor-Lynen Fellow State University of New York at Stony Brook

1984-1996 Faculty member at Stony Brook (assistant, associate, full professor)

since 1996 Professor of experimental physics Heidelberg University

since 2003 Dean of the faculty of physics and astronomy