



CERN Joint EP/PP Seminars

SPEAKER: Kerstin Tackmann

TITLE: **Determination of V_{cb} and V_{ub} and the
b-quark mass from inclusive B**

DATE: Tue 27/10/2009 11:00

PLACE: Main Auditorium**

ABSTRACT

Precision measurements from flavor physics provide stringent constraints on possible New Physics scenarios that are complementary to direct searches in high-energy collisions. The precise determinations of the CKM- matrix elements V_{cb} and V_{ub} are among the important results of the B factories and require the precise knowledge of the b-quark mass. I will present the current state of the measurements of V_{cb} , V_{ub} , and the b-quark mass from inclusive B-meson decays at BABAR. I also discuss a new global fit approach to the determination of V_{ub} , called SIMBA, and show first preliminary results.

Organised by: Maria Spiropulu-----
**Tea and Coffee will be served at 10:30