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Autore	Prim Michael
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Nota di contenuto	Introduction -- Theoretical Principles -- The Belle Experiment -- Analysis Methods and Tools -- Reconstruction and Selection -- Maximum Likelihood Fit Model -- Measurement of B -> K* Decays -- Conclusion.
Sommario/riassunto	This thesis describes the thorough analysis of the rare B meson decay into K* on data taken by the Belle Collaboration at the B-meson- factory KEKB over 10 years. This reaction is very interesting, because it in principle allows the observation of CP-violation effects. In the Standard Model however, no CP violation in this reaction is expected. An observation of CP asymmetries thus immediately implies new physics. This thesis presents an amplitude analysis of this decay and the search for CP violation in detail and discusses methods to solve related problems: The quantification of multivariate dependence and the improvement of numeric evaluation speed of normalization integrals in amplitude analysis. In addition it provides an overview of the theory, experimental setup, (blind) statistical data analysis and

estimation of systematic uncertainties.
