

Abstract Submitted
for the NWS15 Meeting of
The American Physical Society

Partial reconstruction technique on e^+e^- collision data from Belle experiment VIKAS BANSAL, Pacific Northwest National Laboratory, BELLE COLLABORATION — Belle experiment collected 772 million B meson-anti B meson pairs at KEKB asymmetric energy e^+e^- collider. This enormous data among other things also shed light on rare decay process of B mesons. Many reconstruction techniques have been successfully employed to study B meson decay involving neutrinos. Quality measurements with high-resolution demands high signal purity and hence hamper reconstruction efficiency. Partial reconstruction technique can be used on a subset of data where it promises higher efficiency while not deteriorating signal purity. I will discuss these techniques in general and show some preliminary estimates of partial reconstruction for a specific leptonic B meson decay.

Vikas Bansal
Pacific Northwest National Laboratory

Date submitted: 12 Apr 2015

Electronic form version 1.4