

## High Energy Physics - Experiment

# b-Jet Identification in the D0 Experiment

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(Submitted on 22 Feb 2010)

Algorithms distinguishing jets originating from b quarks from other jet flavors are important tools in the physics program of the D0 experiment at the Fermilab Tevatron p-pbar collider. This article describes the methods that have been used to identify b-quark jets, exploiting in particular the long lifetimes of b-flavored hadrons, and the calibration of the performance of these algorithms based on collider data.

Comments: submitted to Nuclear Instruments and Methods in Physics Research A

Subjects: **High Energy Physics - Experiment (hep-ex)**

Report number: FERMILAB-PUB-10-037-E

Cite as: [arXiv:1002.4224v1](#) [hep-ex]

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[v1] Mon, 22 Feb 2010 23:53:04 GMT (475kb)

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