

## Measurement of the b-tagging efficiency using events with jets containing muons

*Tuesday, 31 May 2011 09:20 (20 minutes)*

We present a measurement of the b-tagging efficiency using 32pb<sup>-1</sup> of data collected in 2010 with the CMS detector operating at the proton-proton LHC with  $\sqrt{s}=7$  TeV. The measurement is based on data samples that have a least two reconstructed jets and a non-isolated muon close to one of the jets. The measurements are made as a function of the jet p<sub>T</sub> and eta. Results are presented for different b-tagging algorithms that identify b-jets based on the track's impact parameters or by fully reconstructing the secondary decay vertex.

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**Session Classification:** Session 1

**Track Classification:** Energy Frontier