An overview of the b-Tagging algorithms in the CMS Offline software JEFFREY GARBERSON, University of California Santa Barbara, CMS COLLABORATION — The CMS Offline software contains a widespread set of algorithms to identify jets originating from the weak decay of b-quarks. Different physical properties of b-hadron decays like lifetime information, secondary vertices and soft leptons are exploited. The variety of selection algorithms range from simple and robust ones, suitable for early data-taking and online environments as the trigger system, to highly discriminating ones, exploiting all the information available.

Jeffrey Garberson
University of California Santa Barbara