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New results on bottom baryons with the CDF II detector

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We present a high statistics study of Σ_b bottom baryon states based on a sample corresponding to 5.3 fb^{-1} of fully reconstructed Λ_b decays collected by the CDF experiment. The first independent mass and widths measurements of all four states Σ_b^+ and Σ_b^- are reported.

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