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Search for $B_s^0 \rightarrow \mu^+ \mu^-$ at D0

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An updated on the search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^-$ using data collected by the D0 detector at the Fermilab Tevatron collider. This analysis covers the full Run II data set, corresponding to approximately 10.4 fb^{-1} of integrated luminosity in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$.

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