

Abstract Submitted
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Measurement of $\Upsilon(1S)$ polarization using CMS MATTHEW RUDOLPH, MIT, CMS COLLABORATION — I present plans to measure the polarization of promptly produced $\Upsilon(1S)$ mesons in proton-proton collisions at $\sqrt{s} = 7$ TeV using the decay to two muons at the CMS detector. The method is outlined and preliminary results using approximately 40 pb^{-1} are presented. The full angular distribution of the muons is measured as a function of the Υ p_T and rapidity, and the analysis is conducted using two coordinate frames.

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