## Sensor Time Resolution 2016

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Time Resolution

## Method

- Use run 008087 and run the DQM over file
- Take the time residuals (track time hit time) plots and fit a gaussian to histogram
- Grab the fitted Gaussian sigma and plot for each sensor

## Examples of Fits







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## Time Resolution for 2016

 Time Resolution as a function of layer for separated top/bottom, axial/stereo, and slot/hole



Time Resolution for Each Sensor

## Previous Results - Time Resolution for 2015

- Time Resolution as a function of layer for separated top/bottom, axial/stereo, and slot/hole for 2015 data
- 2016 data is definitely improved!



# Previous Results - Time Resolution for 2015 Omar's Method

- Time Resolution as a function of layer for separated top/bottom, axial/stereo, and slot/hole for 2015 data using Omar's method
- What is different?

