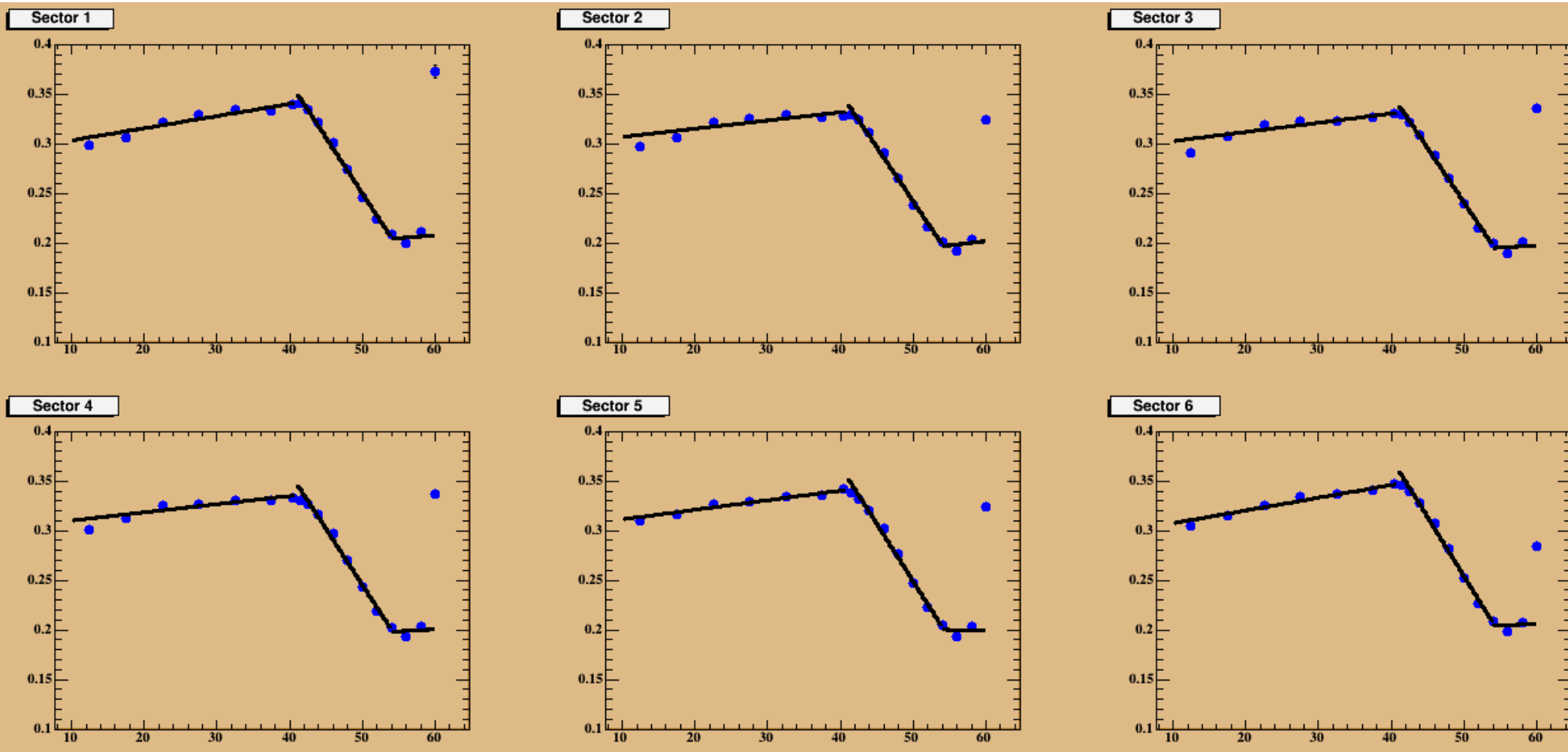


SC Time Resolution

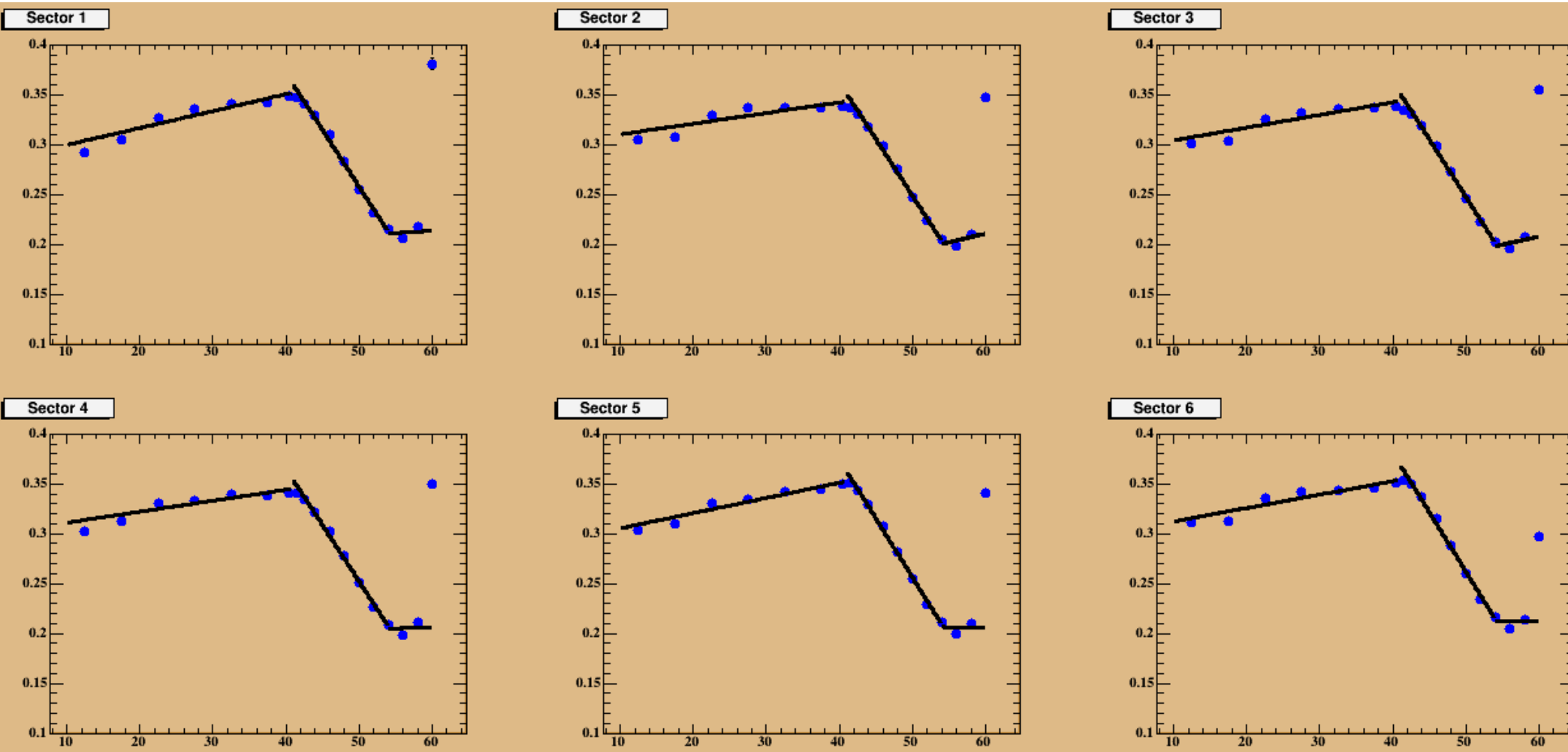
Mahmoud Kamel

Time resolution from the Time Resolution plugin vs path length along the paddle



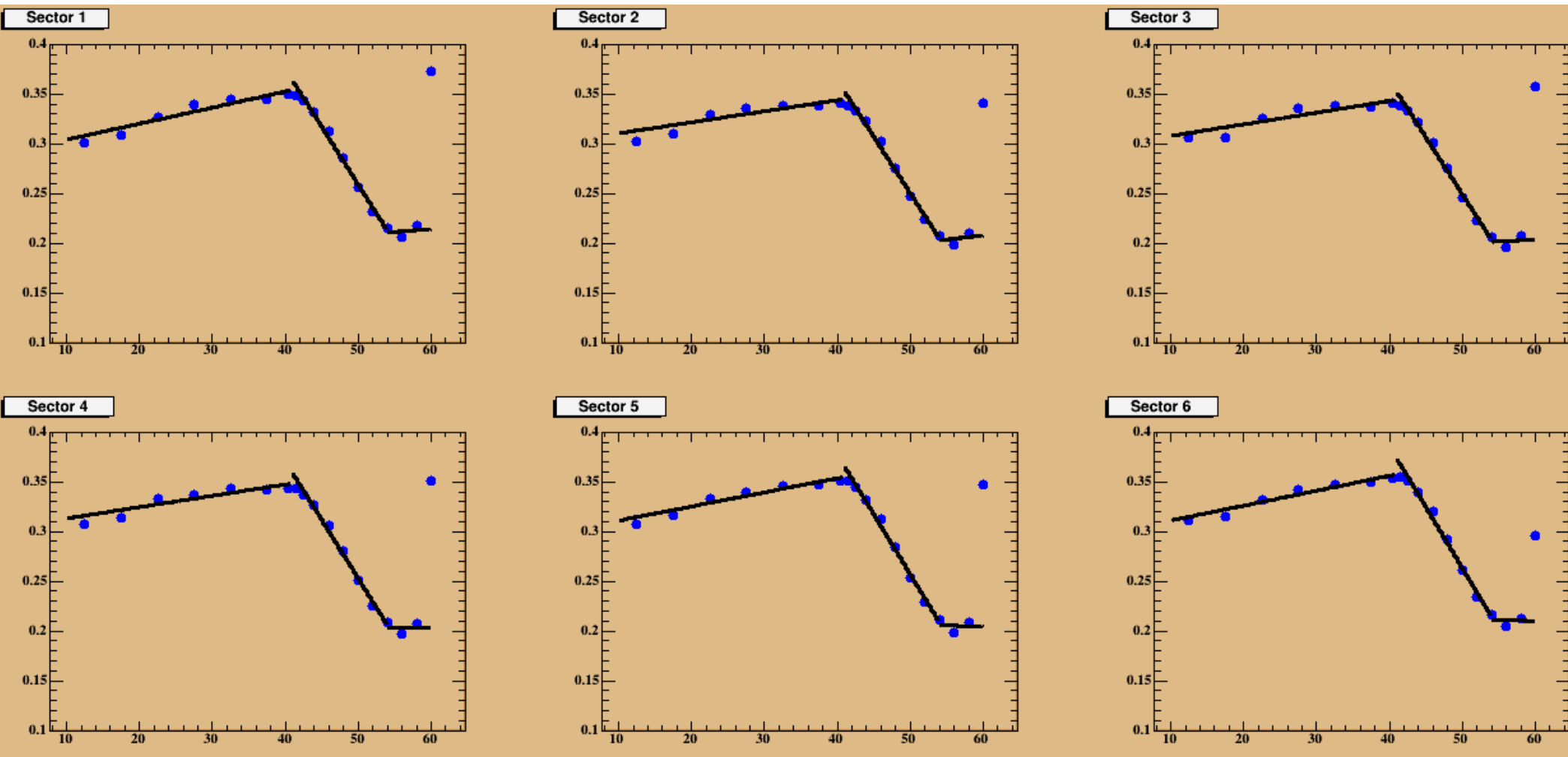
Run30780

Time resolution from the Time Resolution plugin vs path length along the paddle



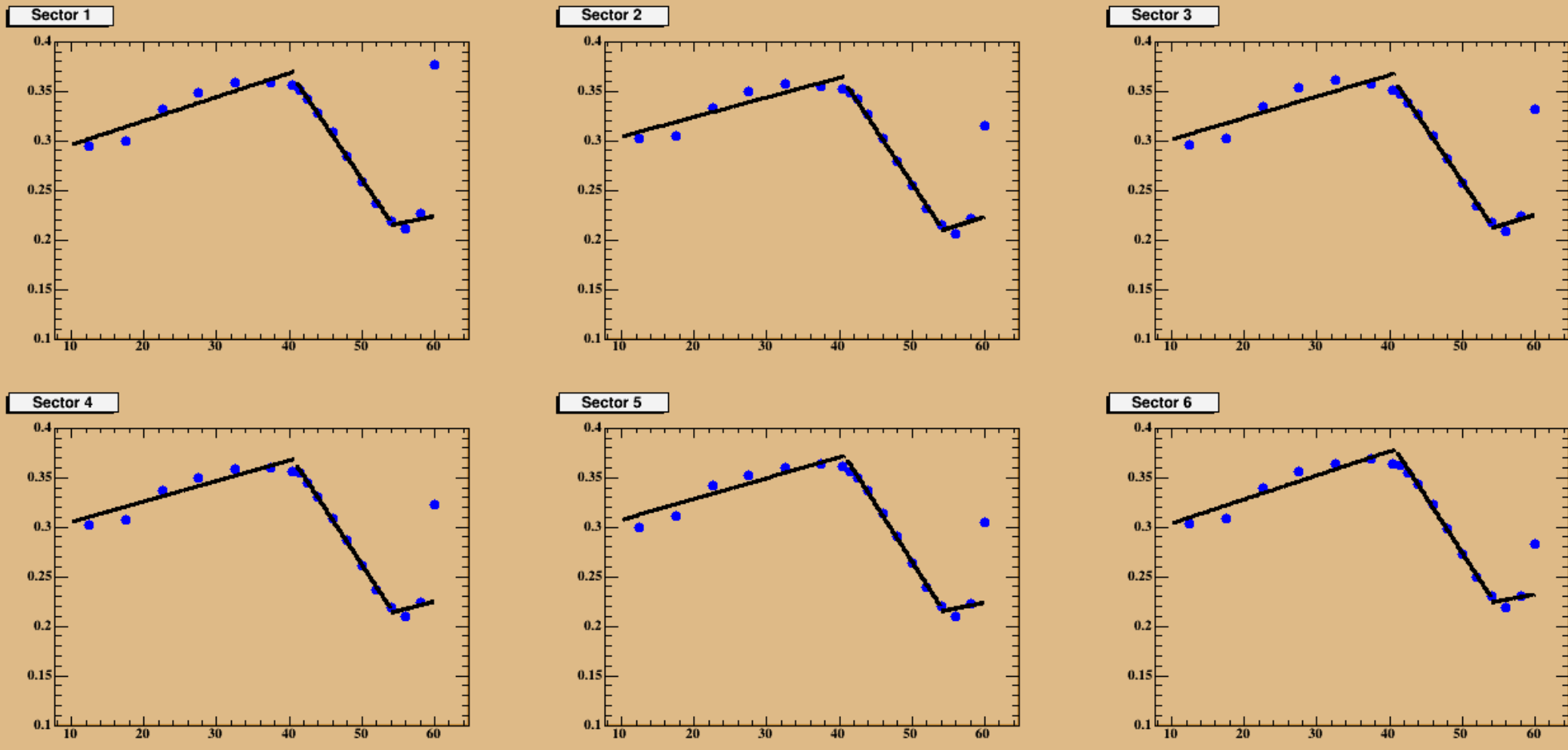
Run30279

Time resolution from the Time Resolution plugin vs path length along the paddle



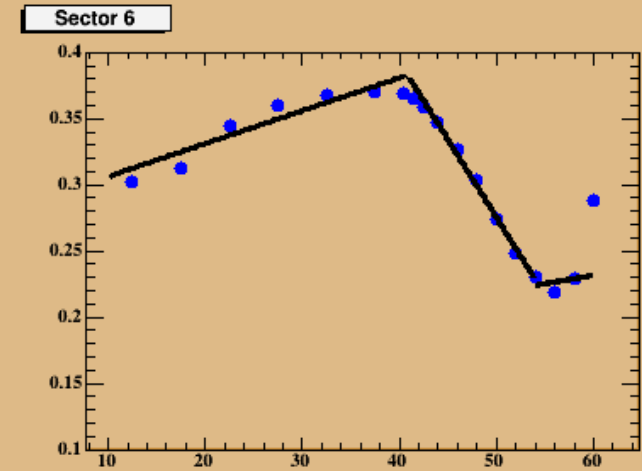
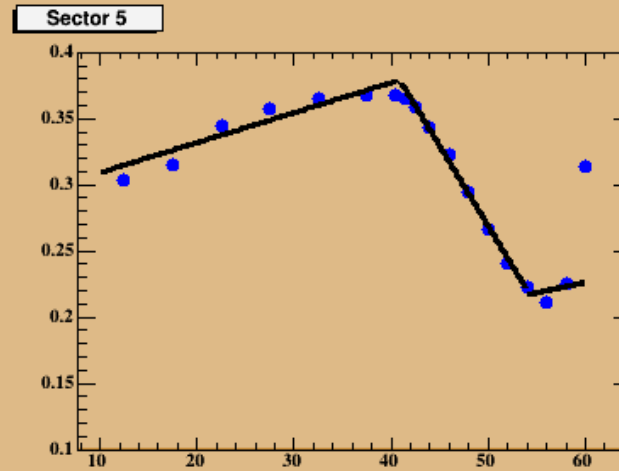
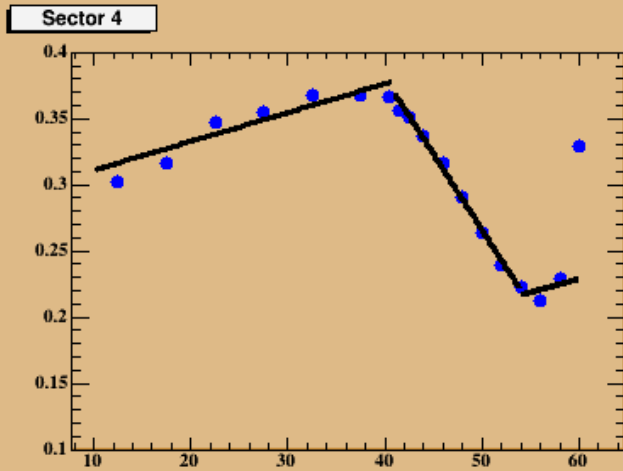
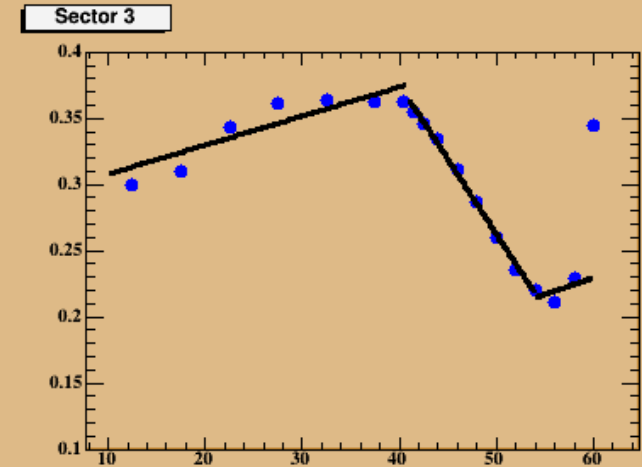
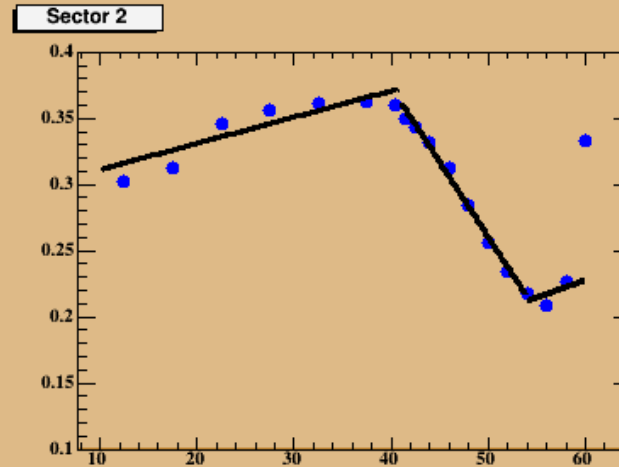
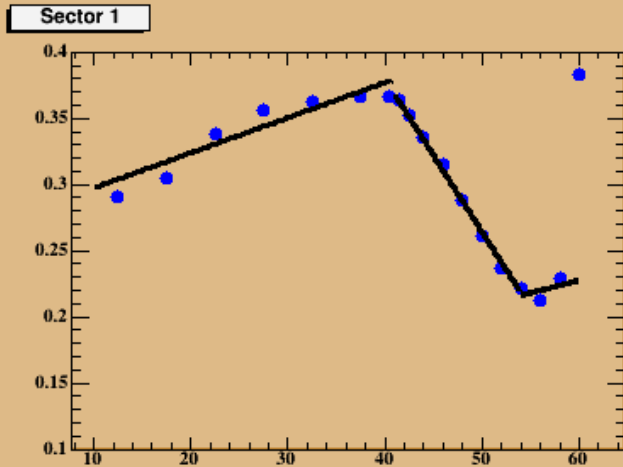
Run31003

Time resolution from the Time Resolution plugin vs path length along the paddle



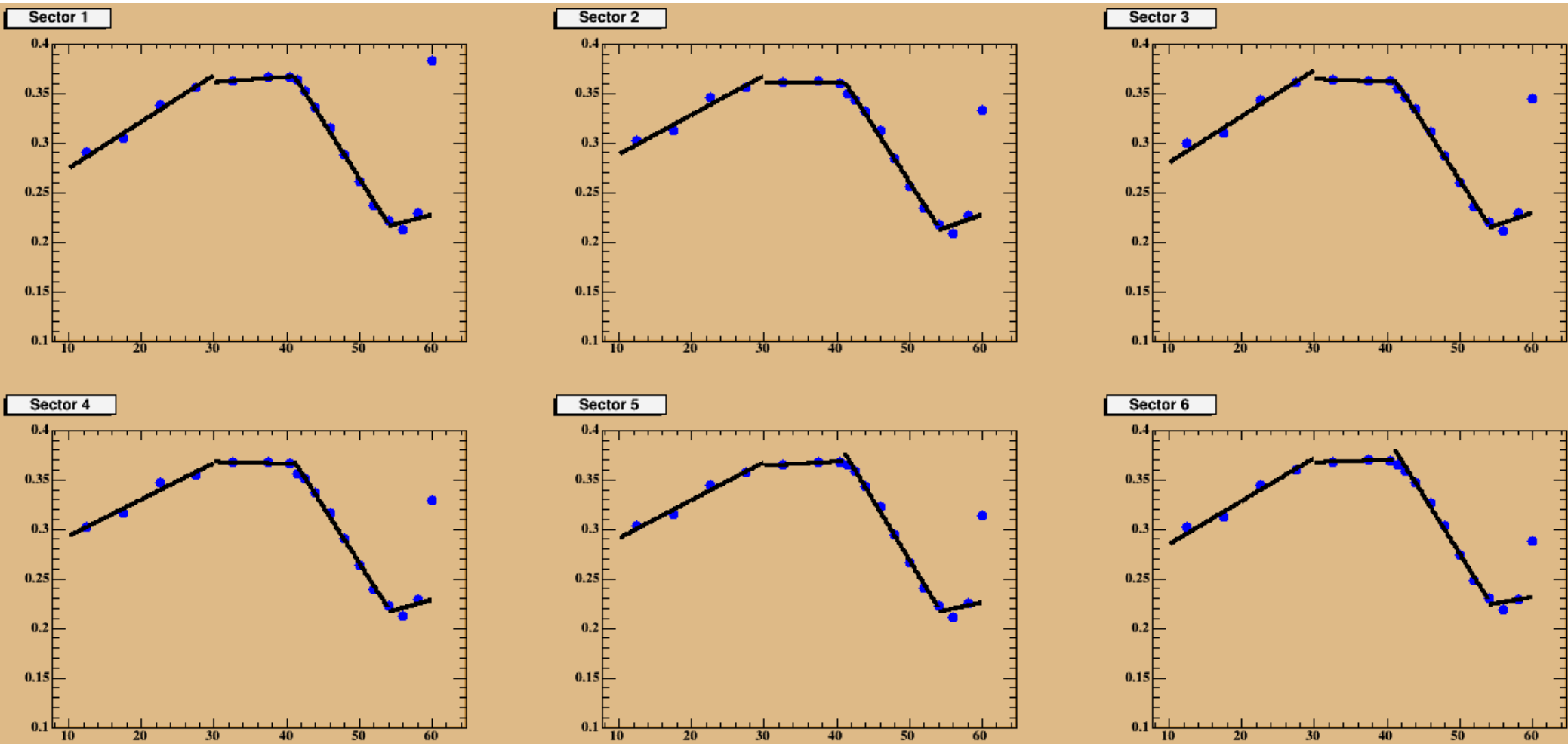
Run42241

Time resolution from the Time Resolution plugin vs path length along the paddle



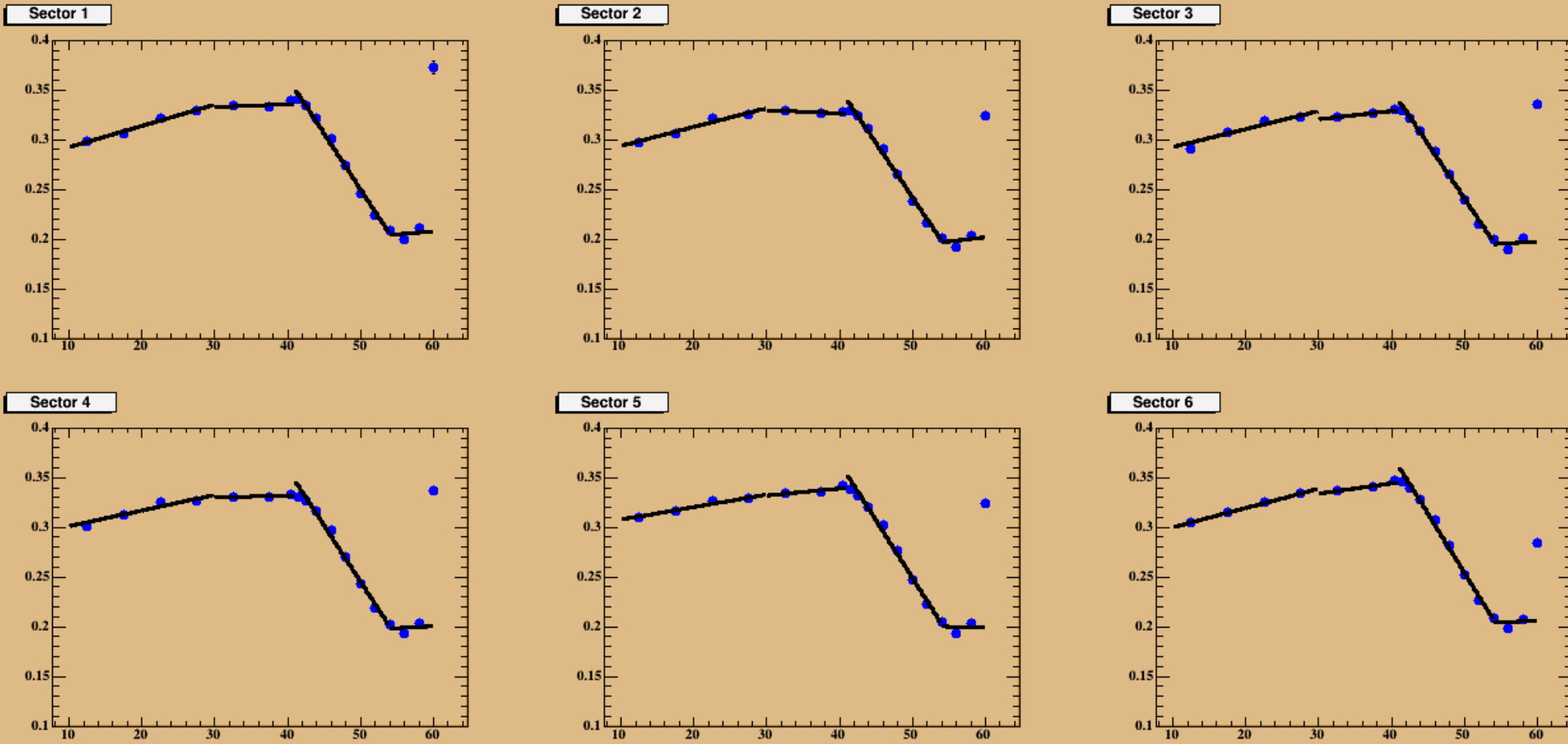
Run41106

Time resolution from the Time Resolution plugin vs path length along the paddle



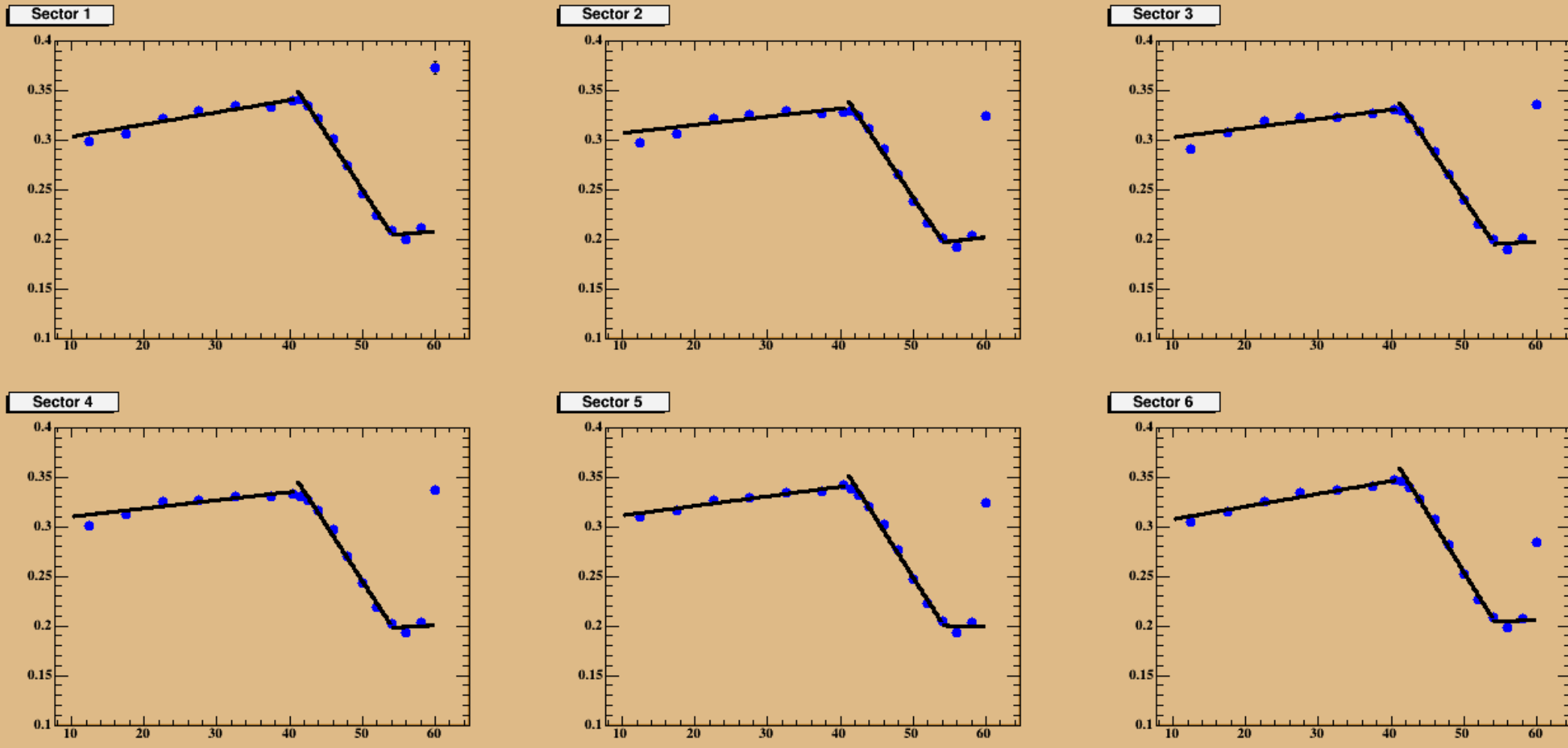
Run41106

Time resolution from the Time Resolution plugin vs path length along the paddle



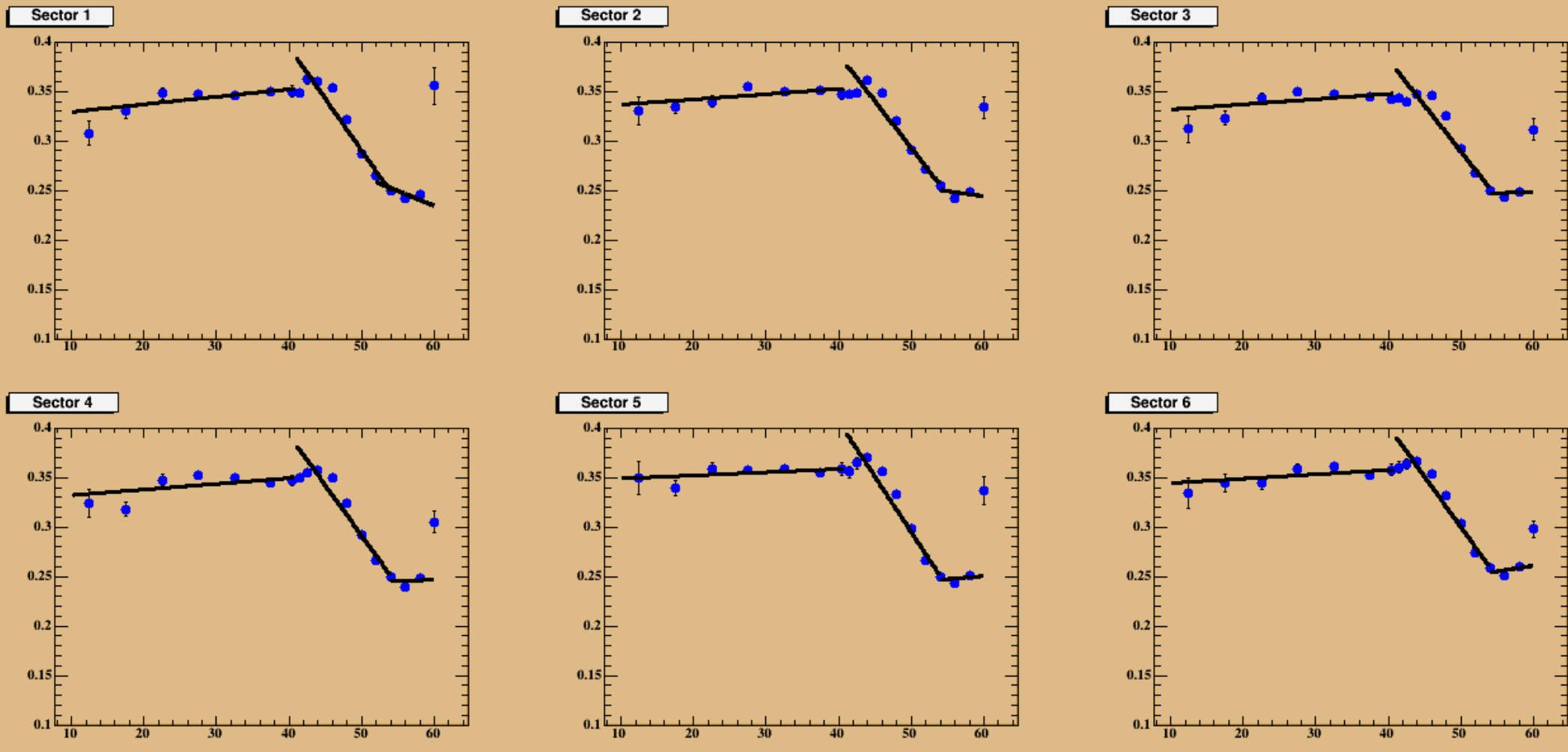
Run30780

Time resolution from the Time Resolution plugin vs path length along the paddle



Run30780

Time resolution from the PTC plugin vs path length along the paddle



Run30780

Summary

- New propagation time constants is obtained using one dimensional fits (3R constants) for 2017 & 2018 run periods.
- The time resolution from ST_Tresolution plugin vs path length along the paddle is plotted. 3R fits are decent for 2017 data while 4R fits are better for 2018.
- Github branch is ready for the pull request, then CCDB will be updated

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