

Hybrid 4t, test 4

Hybrid ID: 4t
Test number: 4

Test results

Parameter	Value
ICAL	
ISHA	
VFP	
VFS	
Temperature	

Test data: http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/data
Test results (images and numerical values): http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/plots

Baseline run

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Pedestal and noise (black markers are for all samples together, colored markers are individual samples)

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Sample-to-sample shift

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Noise correlations

Physical channel ordering:

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PDF:

- http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/plots/hybrid4t_pos_corr.pdf
- http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/plots/hybrid4t_neg_corr.pdf

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Readout channel ordering:

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PDF:

- http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/plots/hybrid4t_mux_pos_corr.pdf
- http://slac.stanford.edu/~meeg/SVT_production/hybrid/4t/4/plots/hybrid4t_mux_neg_corr.pdf

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Timing calibration runs, aggregate shaping curve fits

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Fit parameters (colors identify calibration groups)

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Timing calibration runs, hit-by-hit fits

Linearity of fitted T0 (ideal CR-RC fit on left, spline fit on right)

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Goodness of fit (ideal CR-RC fit on left, spline fit on right)

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Time resolution at each calibration delay (ideal CR-RC fit - stars mark error reported by fitter, dots mark spread in distribution of fitted values)

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