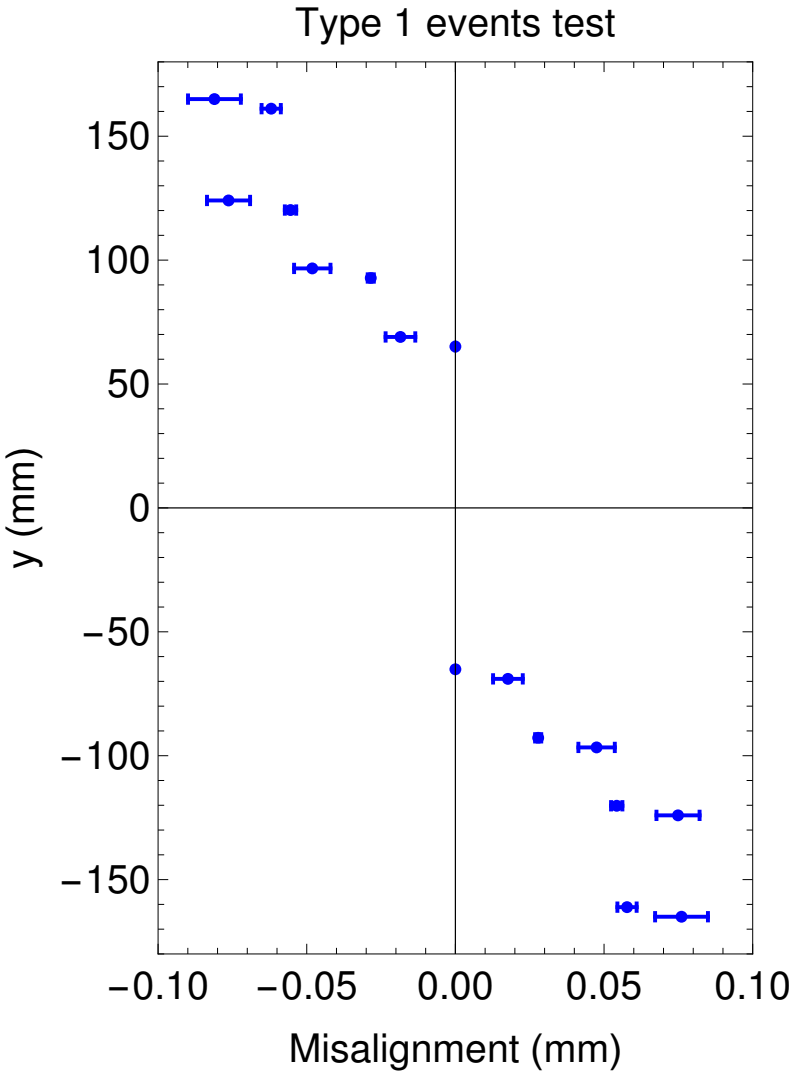
SVT Track-Based alignment Status

1. Use `millpede` to align SVT with cosmics.
2. Alignment of SVT with Type-1 cosmic events (all horizontal sectors with sixteen layers and eight crosses) demonstrated.
3. Align Type-2 events - any event with sixteen layers, eight crosses.
4. Testing code with simulated Type-1 events.
    1. Compare Type-2 code results with working Type-1 code in ideal geometry.
    2. Several bugs found - indexing issues.
    3. Magnitude of all Type-2 derivatives agree with Type-1 code.
    4. Using type 1 code here shows misalignments from zero of up to 10 microns?
    5. Sign differences under investigation.



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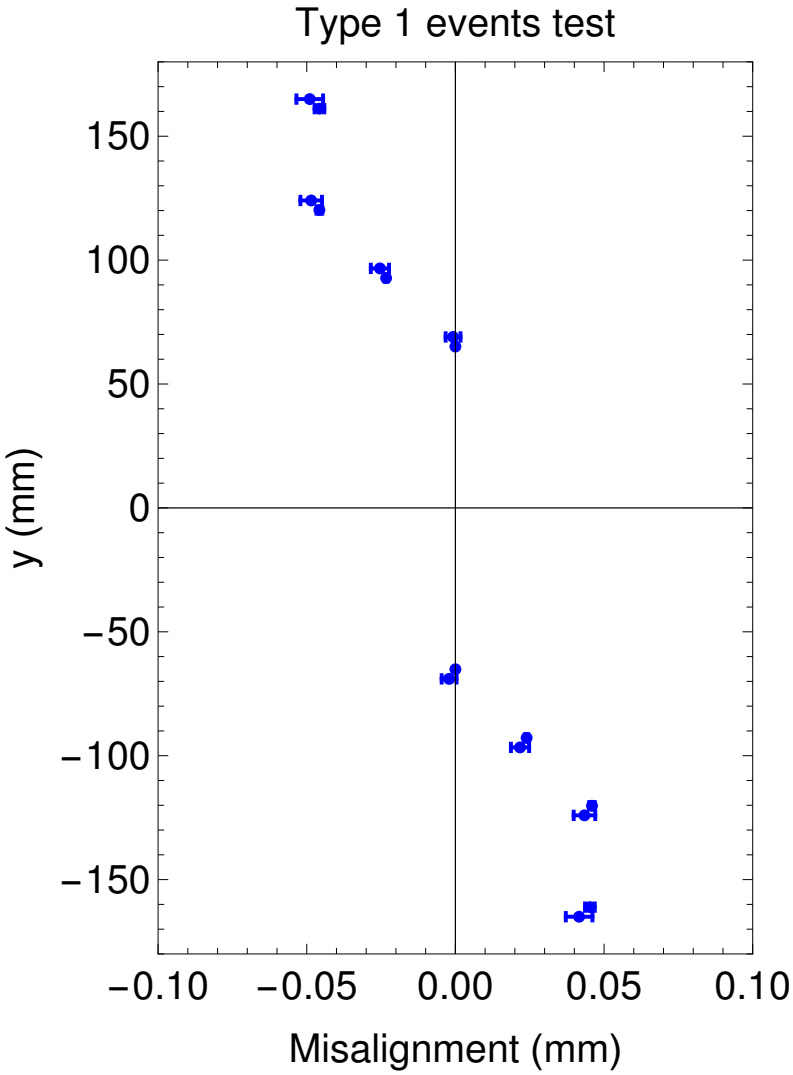

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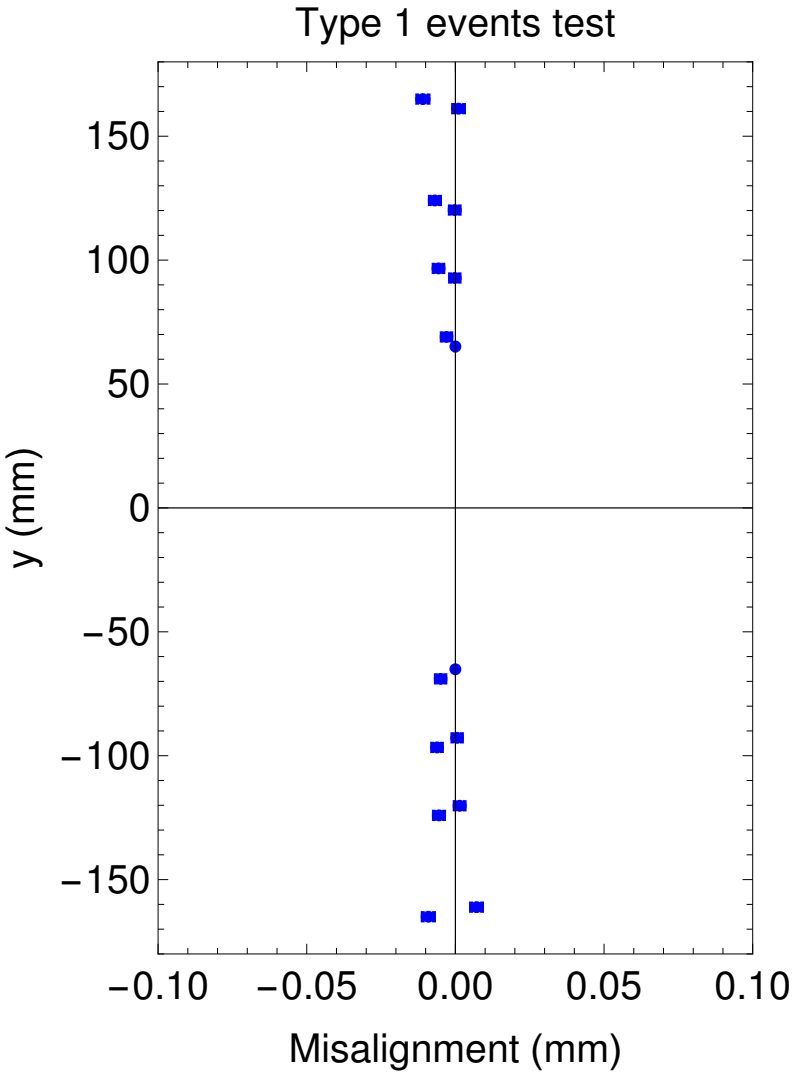

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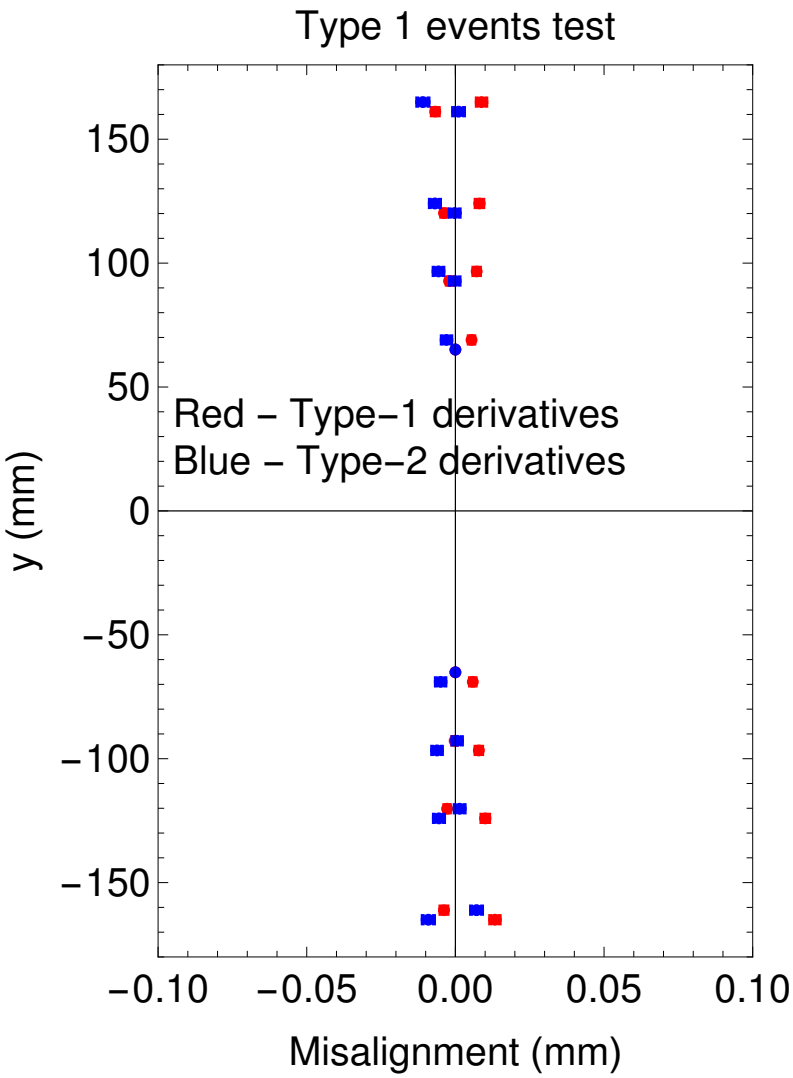

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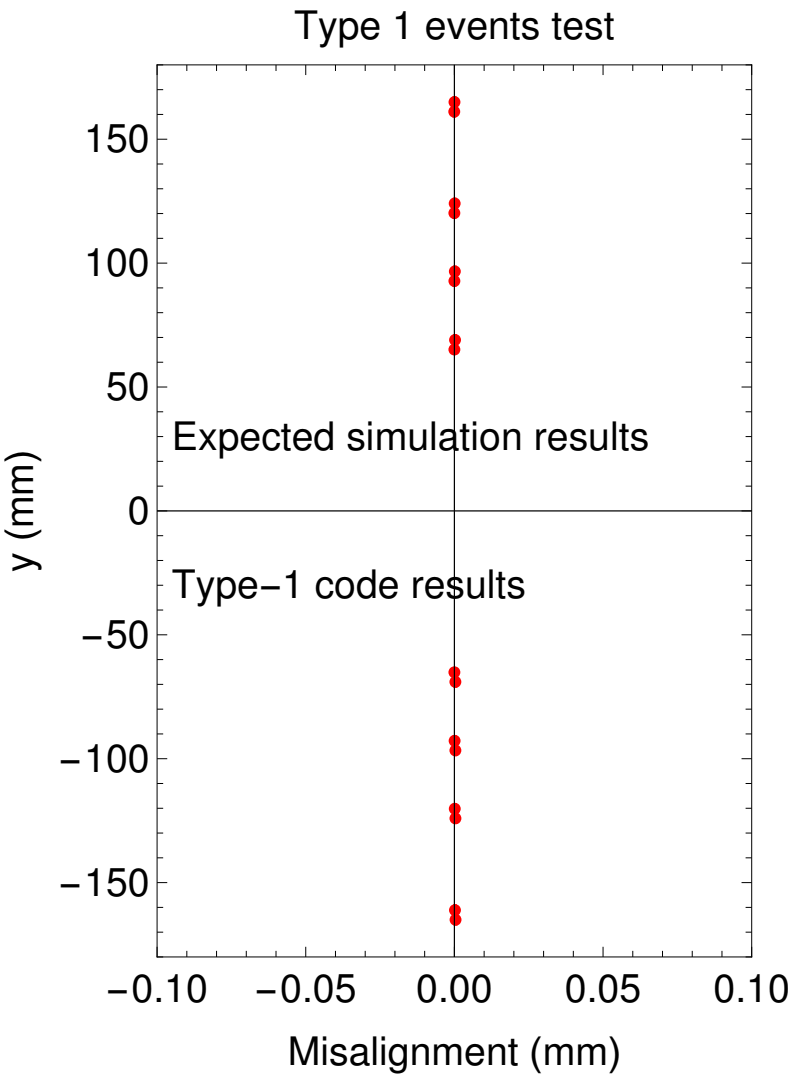

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