Higher level tracking and beam metrics are available minutes after data collection. Initial physics is studied on dilblocks more than 99% live for at least 1 week. Higher level tracking and beam metrics are available minutes after data collection.

*Neutron-like events identified during scanning. Many out-of-time neutrino candidates had topologies similar to event shown at right.

Low level hit and reconstruction metrics (shown below) are evaluated to select data appropriate for extended studies. Figures below contain data collected between Feb. 3 and April 28, 2014. Arrows indicate rejection cuts for metrics. Color indicates final selection.

- In order to understand backgrounds, timing, and confirm response throughout active volume, searches for neutrino-like events from NuMI in the far detector have been conducted over data taken between Oct. 2013 and April 2014.
- Complementary hand scanning and automated analysis based (track quality, event steepness) techniques were used.
- Pre-selections were applied to events in both search paths including minimum cell (20) and plane (4) cuts, fiducial containment 1 m from edges with 1% hit exceptions (see below) and angle with respect to the beam > 0.5 or < 0.5.

*Selected events with blinded times were scanned by multiple experts.
- *Golden* events have been identified, 7 in the expected beam window. This is a significant excess above the expected 0.5 in-time background events.
- In-time neutrino candidates have been observed throughout the detector volume. (Selection shown in the gallery below.)

Another zoomed candidate neutrino event. The event is contained in July 2-5.

Another zoomed candidate neutrino event. The event is contained in July 3-5.

Another zoomed candidate neutrino event. The event is contained in July 3-5.

Timing distribution for selected detector events shown in blue. Expected neutrino arrival time based on near detector data is shown in blue.

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