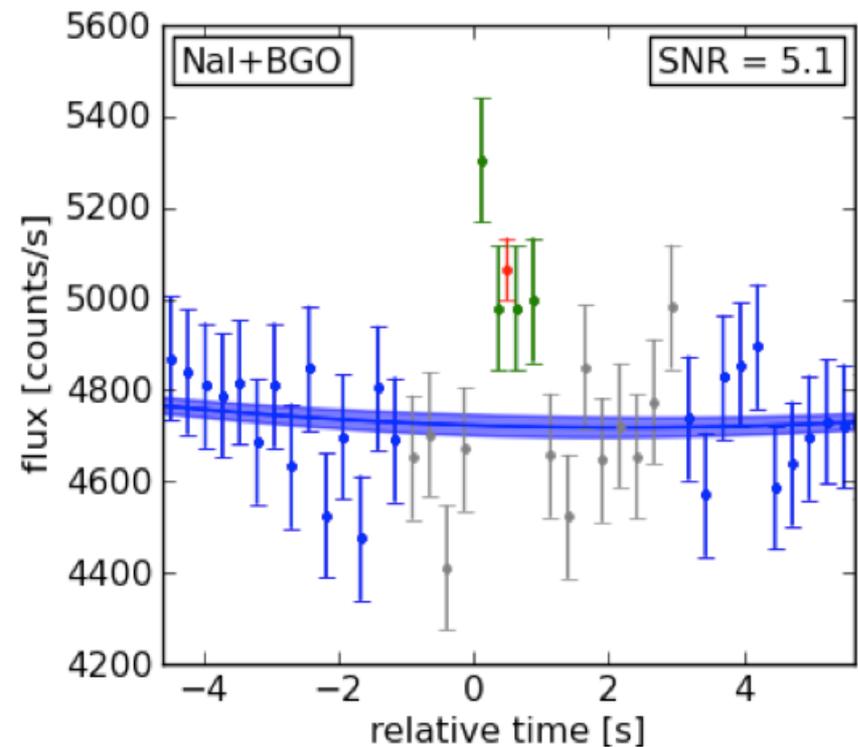
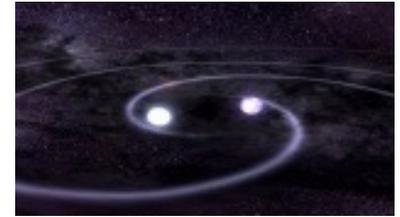


Fermi-GBM Observations of GW150914: McEney et al.

- LIGO is sensitive to the gravitational waves produced in the merger of compact objects e.g. black hole - neutron star (BH-NS). Mergers involving a neutron star are the presumed progenitors for short Gamma-Ray bursts
- Search for electro-magnetic counterpart to LIGO GW150914 event focused on short Gamma-Ray Bursts
- Fermi detected small excess 0.4 s after the LIGO event GW150914
 - Consistent with a short Gamma-Ray Burst, but unexpected for BH-BH merger



- LIGO localizations cover a large area. Fermi's wide-field is excellent for follow-up of future LIGO detections