

My and GRB group plans for O3

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# GRB analysis

- Analyze the data around GRB trigger time
- Analysis type
  - Medium (~hours)
  - Offline (~days)
- Software
  - PyGRB (Iain, Andrew, Francesco)
  - X-pipeline (Ronaldas, Jordan)

# O3 GRB plans

- O3 preliminary date: 2019 March – 2020 March
- Perform medium latency analysis
- Perform offline analysis in batches of 3 months
  - Publish a paper? An update?
  - If there is a join event → separate publication
    - Rate of that happening is 0.2-1.8 (0.7) for O3

# My plans

## GRB:

- Advocate for medium latency analysis
- Offline X-pipeline analysis

## Burst signal interpretation:

- Make it work
- Make a pipeline for BW/cWB

# Possible group contributions to O3

- Medium latency advocacy
- Offline data analysis
  - (Iain, Andrew, Francesco)
  - (Ronaldas, Jordan)
- Code improvements, e.g. pyGRB