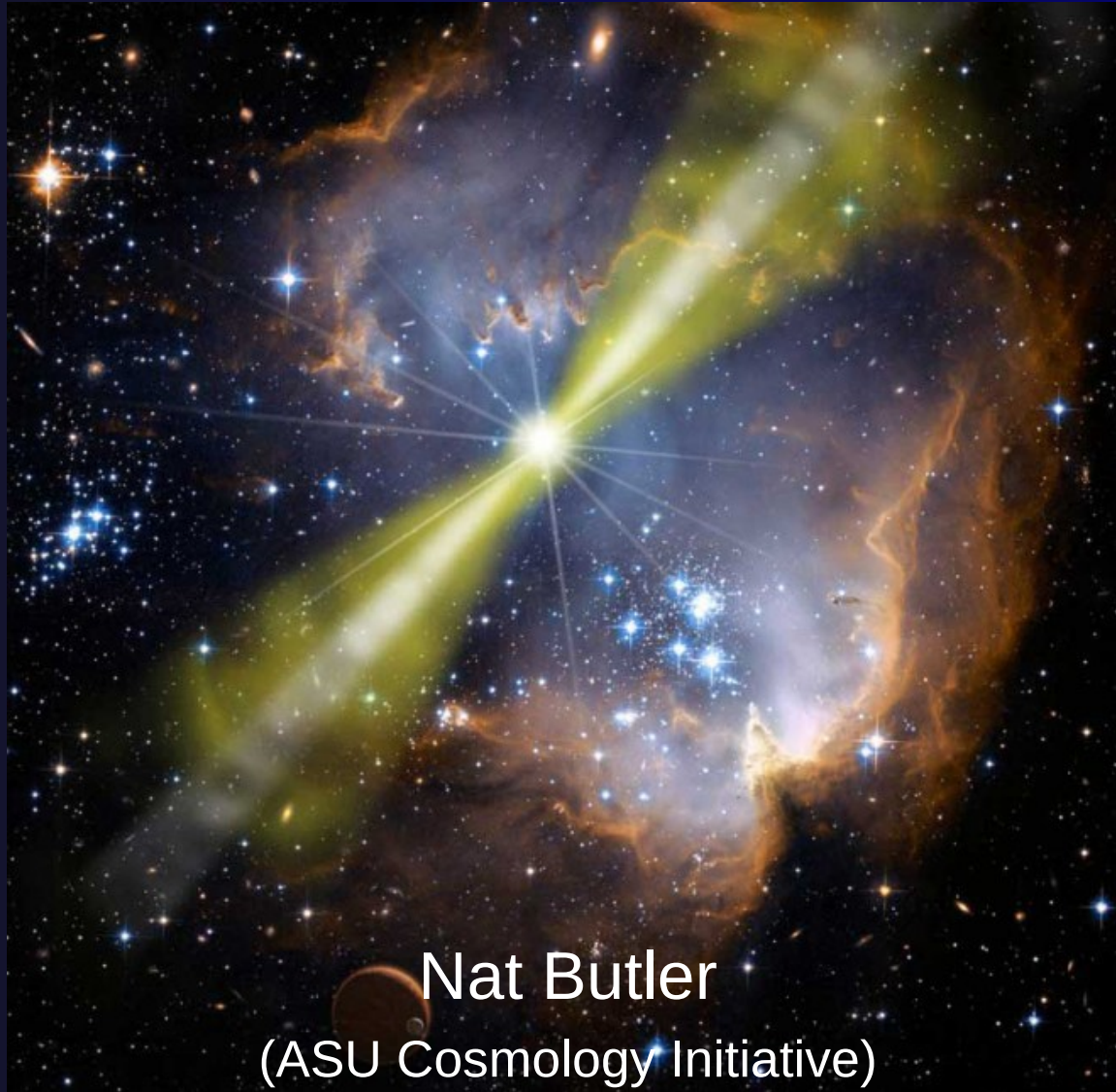


# Chasing SVOM High-z GRBs with US Telescope Time



Nat Butler  
(ASU Cosmology Initiative)

# Proposal Plan

Will propose for target-of-opportunity (ToO) followup of high- $z$  GRBs.

Expected rate 5/yr ( $z > 5$ ).

Past success through Arizona (Steward Observatory) system for time on:

Magellan (FIRE spectrograph) and the LBT (LUCI).  
Optical + Near-IR spectroscopy.

ToO possible during Arizona time, typically tens of nights per year.

# Proposal Plan (2)

Will also propose for:

Gemini-North/South - (GMOS, coverage to  $\sim 1$  micron)

MMT (6.5m, via Steward) - blue channel, also to get break at  $z \sim 6$ .)

**Additional Option: NSF NOIRLAB**

Gemini North and South, Keck I and Keck II telescopes, Subaru.

# Summary

- \* Spring Proposals Late March / Early April
- \* Fall Proposals Late September / Early October

## Steward Observatory (LBT, Magellan, MMT)

<https://www.as.arizona.edu/telescope-proposals>

## Gemini

<https://www.gemini.edu/observing/phase-i/standard-semester-program/2021a-call-proposals>

## NSF NOIRLAB (Gemini/Keck)

<http://ast.noao.edu/observing/call-for-proposals-2021b>

# Questions/Comments

Good to line up proposals as SVOM approaches launch (2022 → 2023 timeframe)

Coordinate so as to not have overlapping proposal (e.g., Gemini, Keck).

Coordinate proposal drafts and potentially data reductions.

Coordinate triggering (who has time and when)

Other targets of interest? (e.g., short-duration GRBs / LIGO candidate followup)