• Based on Science White Papers
• R ~40,000 with goal of 20,000 – 60,000
• 370 – 1000 nm (300 – 1100 nm goal) simultaneous coverage
• Single object (multi-object goal)
• Spectropolarimetric mode a goal
• **NOT** a precision radial velocity instrument
• CoD main focus: Technical Risks
  – Flexure for Cassegrain instrument
  – (Blue) fiber throughput for bench-mounted instrument
• Additional concentration on **schedule and cost**
GHOS RfP was structured uniquely and specifically to allow development of a low-cost, low-risk, “quick”, and basic capability for Gemini.
GHOS Current Status

- Conceptual Design Studies Completed
  - HIA: Herzberg Institute of Astrophysics/NRC
  - CU: University of Colorado/CASA
  - AAO: Australian Astronomical Observatory
- Review committee report completed
- Team responses to committee report/concerns received (two rounds)
- Working with STAC to provide unified recommendation to Gemini Board
GHOS Timeline

– July 2010: Call for science white papers
– November 2010: Gemini Board Resolution
  *The observatory should move forward with all deliberate speed on GOES with the goal of having the project well underway in 12-15 months.*
– April 2011: Announcement of Opportunity
– May 2011: CoD RfP and Bidders Conference
– August 2011: RfP Downselect Meeting
– November 2011: CoD Start
– June 2012: Conceptual Design Review
– August 2012: Board approval to go forward
– ~2016: Delivered to Gemini/offered to community