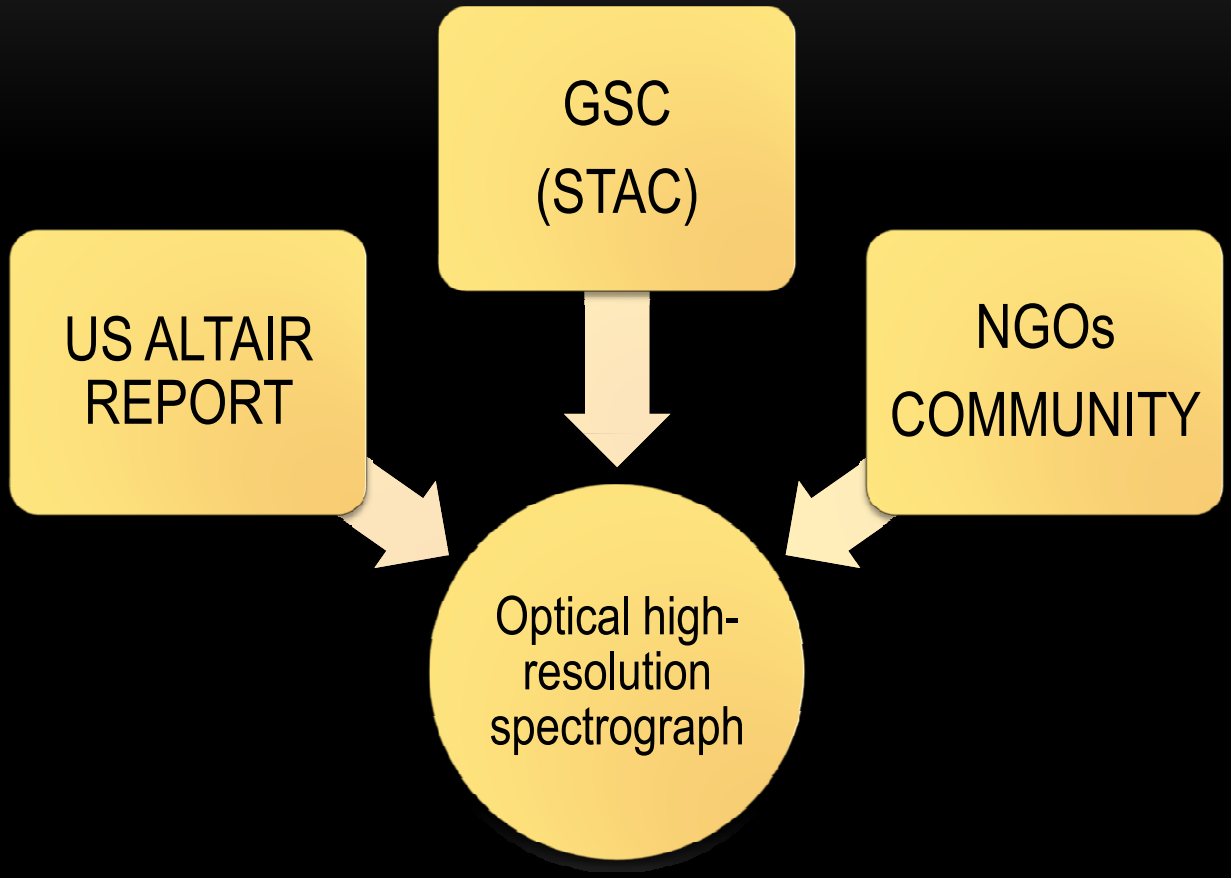
THE SCIENCE OF GHOS

Steven Margheim

GHOS PROJECT SCIENTIST

FROM DEMAND TO DESIGN



WHITE PAPERS

The Case for an Ultra-High Precision Radial Velocity Spectrograph at Gemini
ZEEMAN DOPPLER IMAGING WITH GEMINI
Stellar archaeology: Exploring the Universe with metal-poor stars
Nucleo-Chronometry of the Oldest Stars
Understanding the Assembly History of the Milky Way with Observations of Dwarf Galaxies
Getting Stellar Atmospheres Right
The Shapes of Dwarf Galaxies and their Dark Matter Content : An Opportunity for Gemini
Extremely Metal-poor Stars
Spectropolimetry
EXTRA-GALACTIC GLOBULAR CLUSTERS
Cool Dwarfs : New insights
Extreme Metal-Poor Stars in Ultra Low-Luminosity Dwarf Galaxies and the Galaxy
Galactic Structure in the Survey Age
Fundamental Astrophysics with Open Clusters
Stellar Chemistry in Stars with Planets as a Probe of Planetary Interstellar Molecules

CONCEPTUAL DESIGN PHASE

CONFIDENTIAL

GEMINI OBSERVATORY

Exploring the Universe,
Sharing its Wonders.

SCIENCE CASES

- ★ Near-field Cosmology
- ★ Stellar Astrophysics
- ★ Another tool in the Gemini ToO workshop
- ★ GAIA, SSS, LSST

GHOS COMMUNITY

EXISTS NOW