


ngCFHT - Brazilian Community

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National office for
SOAR, Gemini, CFHT,



LNA LABORATÓRIO
NACIONAL DE ASTROFÍSICA

Brief overview of the community

- * ~ 300 PhDs with positions (70s ~5 PhDs)
- * ~ 60 post-docs
- * ~ 150 PhD/MSc students

- * 15 major astronomy departments
- * ~15 other universities with smaller groups

- * -> Optical observational / theoretical (dynamics, cosmology)
 - * Radio, high energy & IR smaller groups

Major scientific interests

- * Very broad interests
- * Mainly Optical observational
 - * Radio, high energy & IR smaller groups
- * Historically - stellar astrophysics
- * Extragalactic growing fast with new facilities

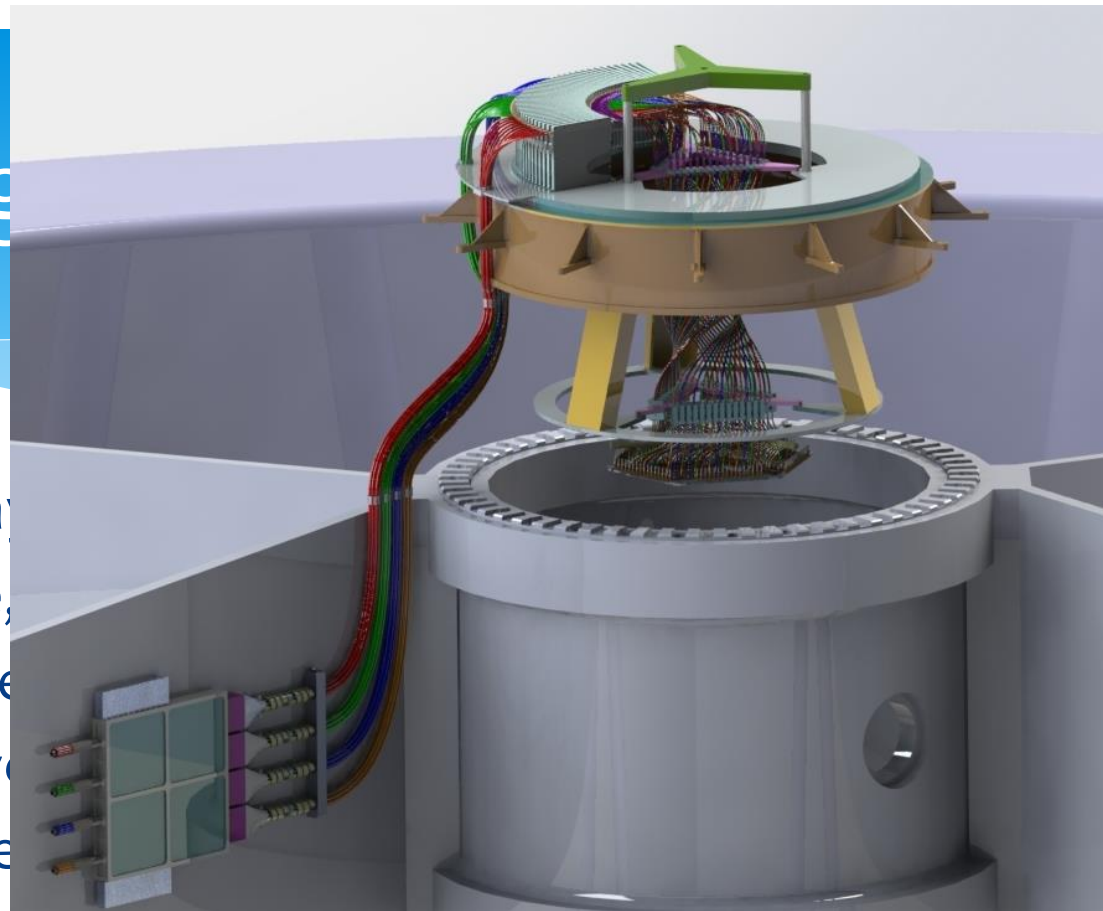
Major optical capabilities

- * OPD – Brasil, 1.6m (Meg
- * Still most of MSC data c
- * SOAR – Chile, 4m, 31% *
- * CFHT – Hawaii, 16 nights
- * Gemini – Chile/Hawaii 6
- * Limited access to Subaru
- * ESO – Chile, agreement at congress for ratification



Priorities / large

- * Main projects underway
 - * DES member – science,
 - * JPAS member – science
 - * Subaru PSF – survey
 - * ELT MOSAIC – science
- * Upcoming
 - * LSST – advanced discussions for participation
 - * SKA – initial discussions
 - * SPIROU - evaluation

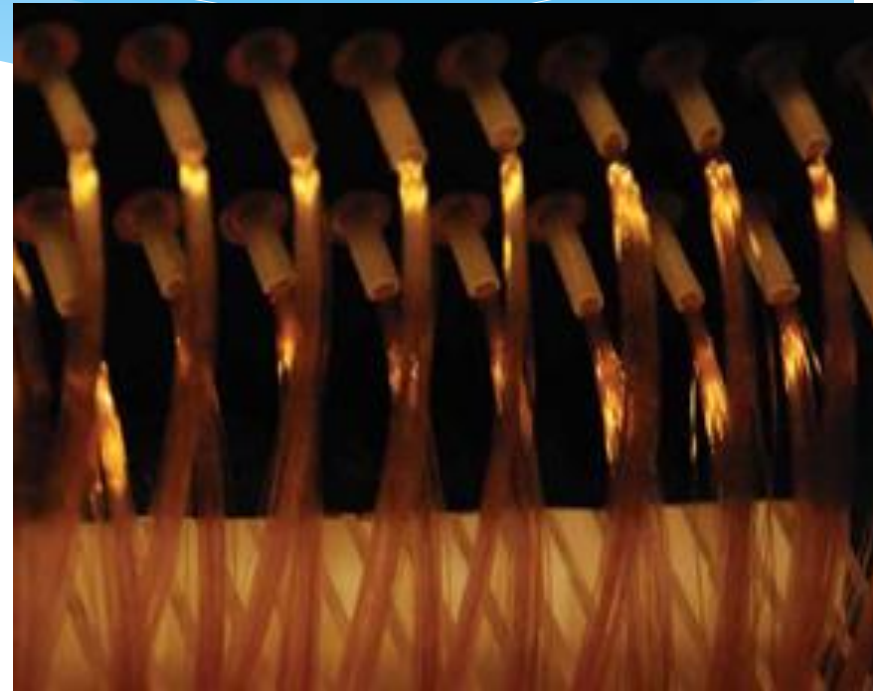


ngCFHT

- * Reinforces the northern spectroscopic capability
 - * Follow up for northern image surveys <-> JPAS
- * Complementary to Gemini multipurpose facility
- * Cosmology - JPAS, SuMIRe, DES
- * Galactic archeology
- * Stellar populations
- * Instrument development

Scientific and technical expertise

- relevant to ngCFHT that may be of particular interest
- * Science/Software participation on surveys
 - * SLOAN, DES, JPAS, SuMIRe, LSST
- * Instrument development
 - * Spectrographs
 - * Fiber – FrodoSpec, SIFS, WFMOS, PSF, MOSAIC
- * Heavy Industry - ??
 - * (Chile is closer and Brazilian companies have experience there)



34+ years old, reliable and still very active 3.6m telescope, with a nice Franco Canadian accent, moving from Hawaii looks for a new house.

Contact

