ESPaDONs: - whole optical spectrum
- high resolution
- spectropolarimetry

WHY:

- POLARIMETRIC MODE
  * Zeeman-Doppler imaging, magnetism in active cool stars - B is intricate => circ. polarization very small => use thousands of lines to measure V
    new targets: CTTS, disks (YSO, CV), hot stars (O, Be, WR, HAeBe)
  * ordered kG B in chemically peculiar A and B stars
  * circumstellar matter: geometry and chemistery change of polarization in emission lines

- NON-POLARIMETRIC MODE
  * asteroseismology of hot stars and solar-type stars small line profile variations, radial velocities
  * starspots
  * accretion disks and winds
  * extra-solar planets (eg: Tau Bootes, W. Herschel Telescope, Nov 1999)
  * abundance studies

- SAC report of Nov. 1996: support the developement of ESPaDONs (unique instrument, offers more opportunities than Gecko, excellent use of bright time, support from communities)