

SDOB7: A PRELIMINARY LIST OF SCIENTIFIC TOPICS:

Date of Last Update: 2014 November 06<sup>th</sup>

- Surveys, Spectral Classification, Kinematics and Population Membership
- Extreme Horizontal Branch Stars (Field and Globular Clusters)
- Chemical Abundances, Diffusion and Mass-Loss
- Hot Subdwarfs in Binaries
- Pulsation of Hot Subdwarfs
- Post Common Envelope Evolution (Extremely Low-Mass Pre-Helium White Dwarfs in Particular)
- Evolution and Origin of Hot Subdwarfs
- Evolutionary Links Between Hot Subdwarfs and Other Objects (Red Giants, White Dwarfs and Symbiotic Binaries)
- The UV-Upturn in Early-Type Galaxies and Bulges
- Hot Subdwarfs as Supernova Progenitors
- Related Objects: R CrB Stars, Extreme Helium Stars and AM CVn Stars
- Hot subdwarfs and exoplanets
- Mass-Loss on the Red Giant Branch
- Red Giant Core Rotation: Asteroseismic Constraints
- Core-Envelope Coupling in Red Giants