

Figure 1

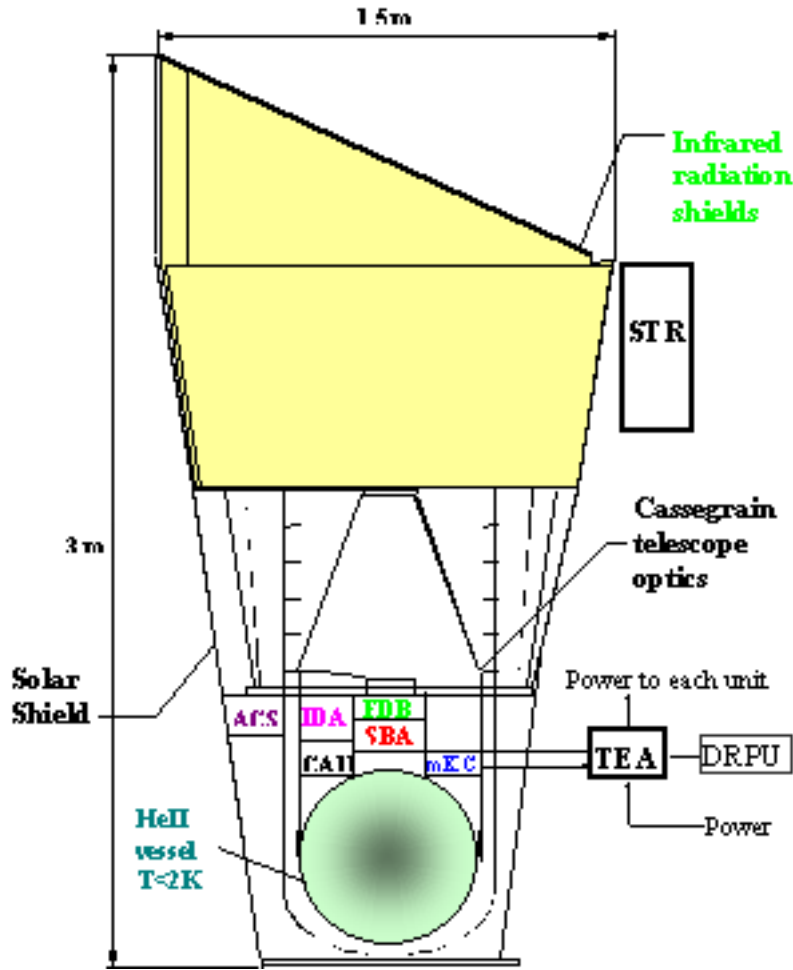


Fig.1. Schematical view of the Submillimetron telescope.

- ACS - Active Cooling System, T=20K;
- STR - Star Tracker, defines pointing of the telescope;
- HeII - superfluid helium, cooling of primary and secondary mirrors;
- FDB - Focal Dichroic Beam-splitter assembly;
- SBA - Submillimeter Bolometer Array;
- IDA - Infrared Detector Array;
- CAU - Cool Amplifier Unit; mKC - milli-Kelvin Cooler (100 mK);
- TEA - Telescope Electronics Assembly,
- DRPU - Data Registration and Processing Unit.

Notes: 1. Warm start version.

2. Telescope optics has angular resolution of 1 arcmin with field of view about 1 °.