

# The new Parco Antola 80 cm telescope



DIBRIS - DIFI  
Università Degli Studi di Genova

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## A little history

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In 1998 by proposal of that time mayor of Fascia, Filippo Tirini, began the realization of an astronomical observatory situated in *Casa del Romano* under the supervision of *Ente Parco Regionale Antola*.

The opening ceremony was held in september 2011 and until 14 march 2012 was managed by the *Comune di Fascia*, after this date the management has been assigned to *Parco naturale regionale dell'Antola* .

The *Università degli studi di Genova* is responsible of the scientific research and the university-level teaching.

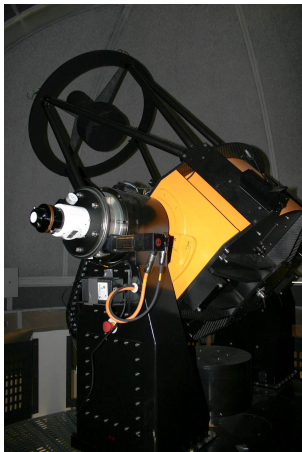
# The Observatory

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# The Telescope

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- Cassegrain - Nasmyth optical scheme.
- Altazimuthal mount.
- Diameter of the primary mirror (M1): 0.8 m.
- Slewing velocity:  $20^\circ/\text{sec}$ .
- Tracking accuracy:  $< 1$  arcsec/30 min with pointing model.

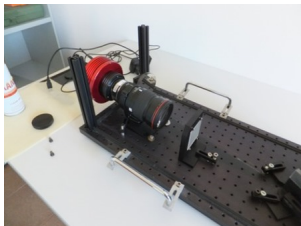
# The Dome

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# Instrumentation

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## Spettrograph

- FLECHAS type.
- Made by Astelco.

# Instrumentation

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## CCD cameras

- ATIK-11000
- SBIG STL-11000M
- Specifications of both cameras:
  - CCD: KAI-11002
  - Total Pixels: 11 million
  - Array: 4008 x 2672 active pixels (35mm film format)
  - Pixel Size: 9 microns square
  - Antiblooming: Yes
  - Peak QE: 50%
  - Image Area: 36 mm x 24.7 mm

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3. Start of scientific and educational activities with the help of Luciano Nicastro, Davide Ricci and of course Filippo Zerbi.
  - o observations of supernovae, spectroscopy of the sun, extraction of the mass of binary systems, curves of Cepheids in white light and color, observation of satellites of planets, spectral classification of stars in clusters (photometric and spectroscopic), measure the radial velocity of fast object, stellar winds, etc.