



## **First Images from FORS2 at VLT KUEYEN on Paranal**

*Top: Three-colour composite of the well-known Crab Nebula as observed on November 10, 1999.*

*It is the remnant of a supernova explosion at a distance of about 6000 light-years, observed for the first time almost 1000 years ago, in the year 1054.*

*Right: Three-colour composite of the young object Herbig-Haro 34 (HH-34), now in a protostar stage of evolution. It is based on CCD frames obtained with FORS2 in imaging mode, on November 2 and 6, 1999.*

*The object has a remarkable, very complicated appearance that includes two opposite jets (red straight line, down centre) that ram into the surrounding interstellar matter. This structure is produced by a machine-gun-like blast of "bullets" of dense gas ejected from the star at high velocities (approaching 250 km/sec). This seems to indicate that the star experiences episodic "outbursts" when large chunks of material fall onto it from a surrounding disk.*

*Note also the enigmatic yellow arc to the left, a feature that is still unexplained.*

