

Introduction:

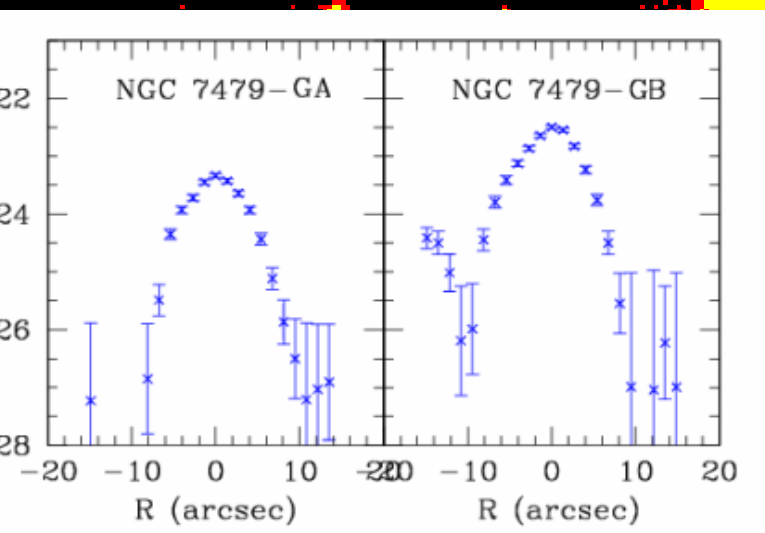
NGC 7479 is a bright spiral galaxy with a morphology that is typical of interacting systems, despite it being an isolated galaxy. In the field there are several faint galaxies; two of them were selected as possible companions.

In this paper we present the surface photometry and spectroscopy of these galaxies. Our main goal was to verify if they can be companions or

Surface Photometry:

Observations: McDonald Observatory, 0.8m telescope+PFC

2.1 Brightness Profiles:



2.2 Observed parameters:

	diameter	B	B-V	V-R
7479-GA	18''	18.81(0.06)	0.42	0.66
7479-GB	20''	18.90(0.06)	0.88	0.76

3. Spectroscopy

Observations: McDonald Observatory, 9.2m telescope (HET)+LRS

3.1 Radial Velocity

Obtained by Fourier Cross-Correlation with 4 galaxies with known radial velocity

Galaxy	Radial Velocity (km/s)
NGC 7479-GA	100 ± 10
NGC 7479-GB	100 ± 10
NGC 7479-GC	100 ± 10
NGC 7479-GD	100 ± 10
NGC 7479-GE	100 ± 10
NGC 7479-GF	100 ± 10
NGC 7479-GG	100 ± 10
NGC 7479-GH	100 ± 10
NGC 7479-GI	100 ± 10

4. Conclusions:

The derived radial velocities of the distant field galaxies are consistent with the velocity of NGC 7479. Their correspondent distances are large (d= 40-50kpc), so distant, they do not