

Extragalactic Scattering in Galaxy/Quasar Pairs

C. Blasco¹, H. Bignall², C. Reynolds², H.J. van Langevelde²

¹ LAEFF/INTA. Apartado 50.727. E-28080 Madrid. Spain

² JIVE, Postbus 2, 7990 AA Dwingeloo, The Netherlands

Abstract. We present results obtained with the VLBA on angular broadening in galaxies other than our own. This is a unique way to investigate the ionized gas in these galaxies. The radiation from a distant background source (a quasar) is scattered by the fluctuations in the ionized gas in the foreground galaxy. The selected quasar lines-of-sight pass through a variety of galaxy environments, such as HI halos, disturbed “tails”, and the edges of optical disks.

