



Max-Planck-Institut
für Radioastronomie



UNIVERSITAT
DE VALÈNCIA

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3rd WG Meeting

Eduardo Ros (Univ. Valencia & MPIfR)

THE BROADBAND SED PROPERTIES OF THE MOJAVE SAMPLE





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Collaborators

C. S. Chang*, M. Kadler, M. Böck, L. Barragán, J. Wilms, M.F. Aller, H.D. Aller,
the MOJAVE collaboration,
the F-GAMMA collaboration,
and the *Fermi/LAT* collaboration

* PhD Thesis Work



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2



MOJAVE SEDs

- Radio-selected sample of 135 sources
 - 101 flat-spectrum radio quasars
 - 22 BL Lac objects
 - 8 radio galaxies, 4 unidentified objects
- Continuous monitoring since the mid 1990s
- Simultaneous datasets used, from radio to γ -rays





<http://www.physics.purdue.edu/MOJAVE/>

Apr 13, 2011

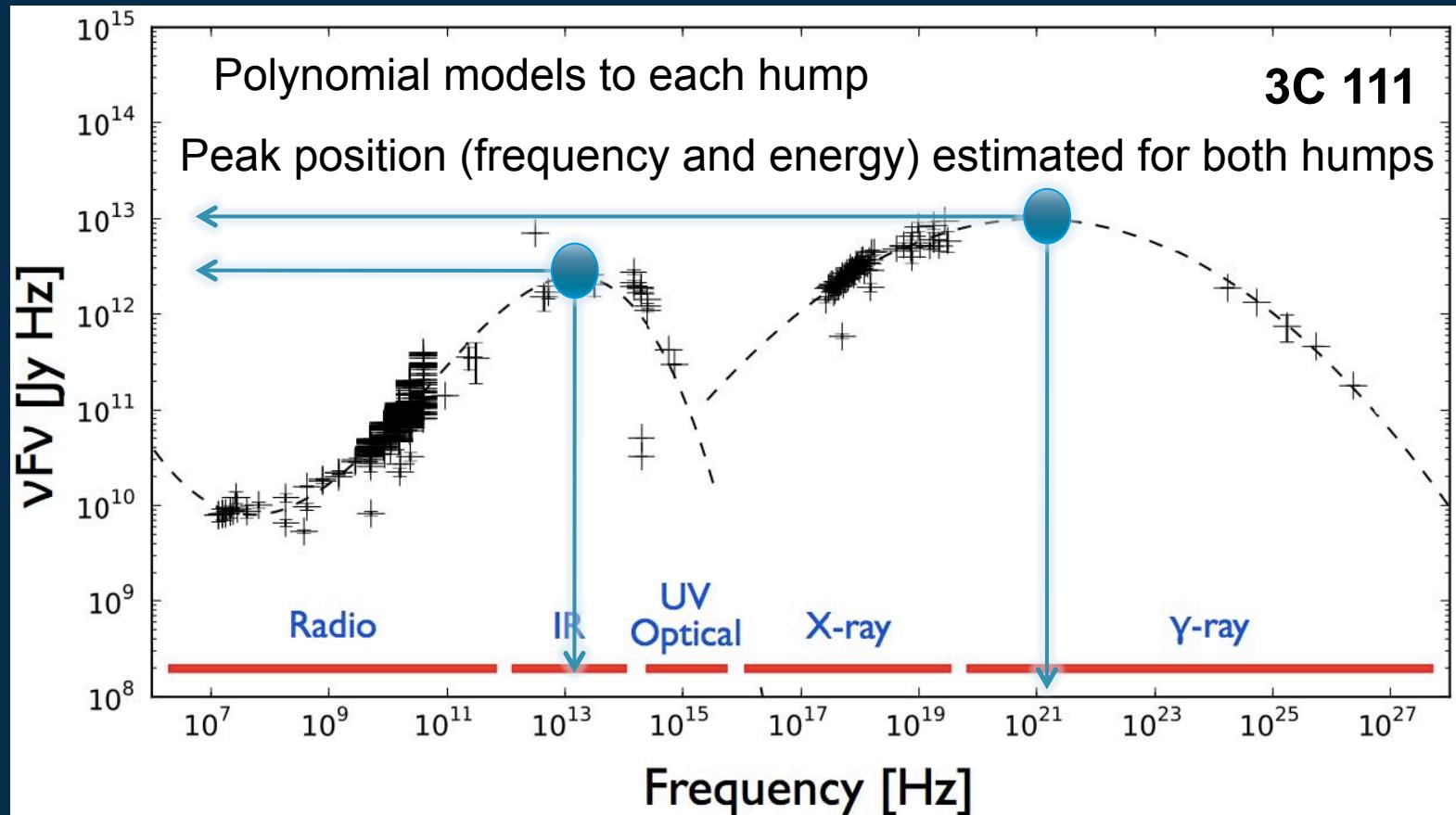
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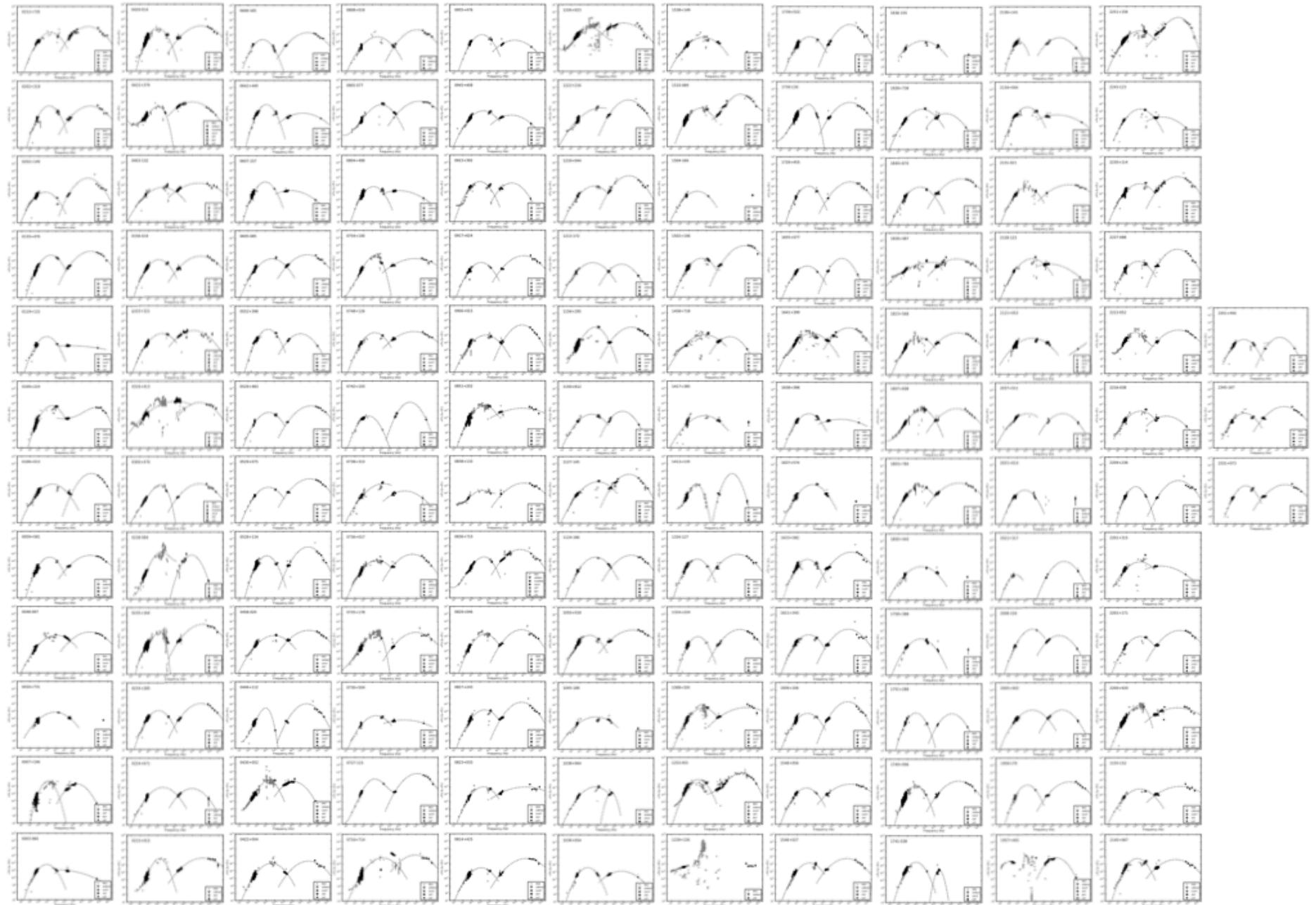


The data

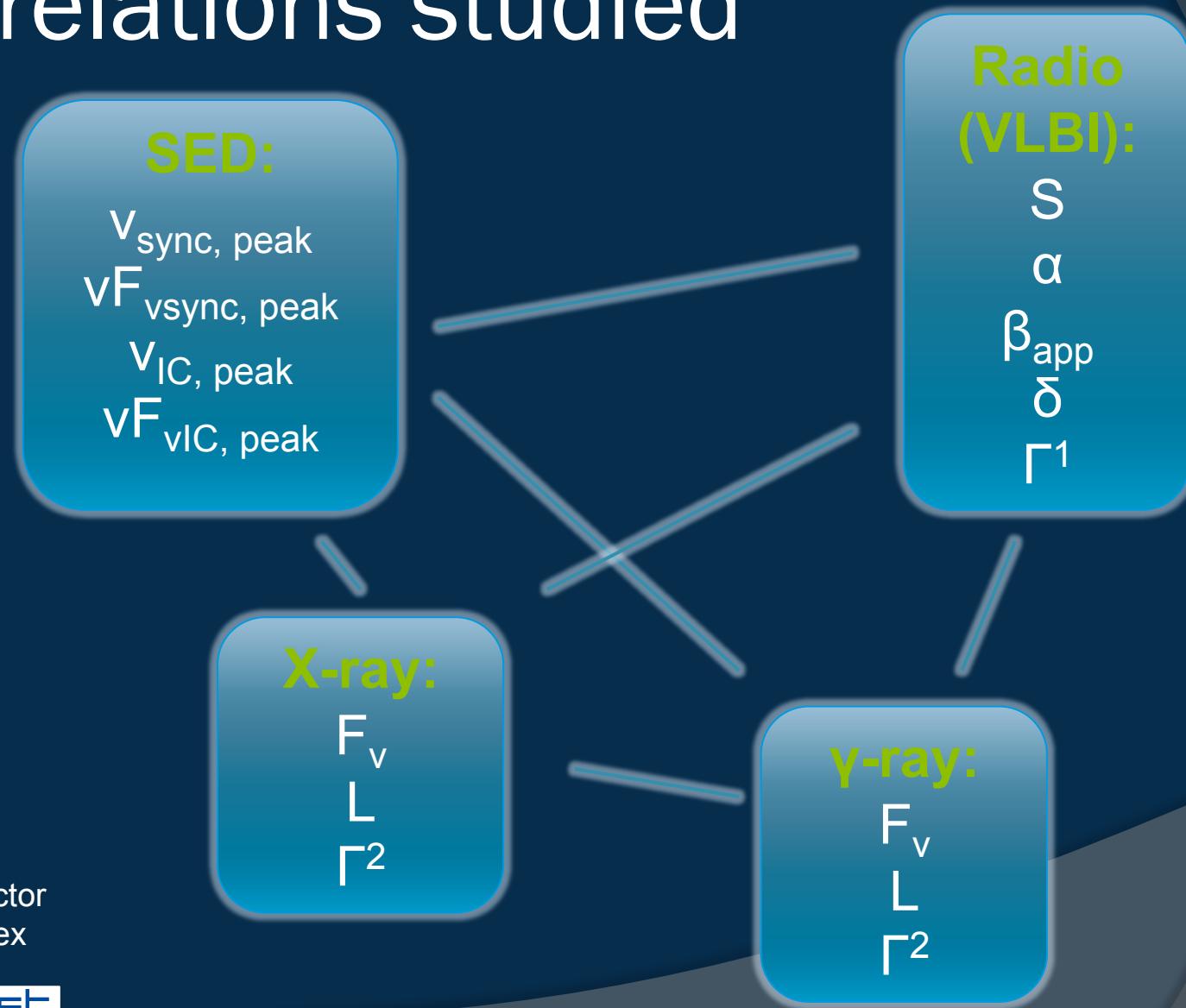
- **γ-rays:** *Fermi/LAT* 1-yr catalog (Abdo et al. ApJ 715, 429, 2010) for 85 sources; upper limits for 50 sources (M. Böck, M. Kadler et al.)
- **Swift** observations
 - **X-rays/optical:** XRT/UVOT dedicated program, data after Aug 2008 – analysis by C.S. Chang
 - **Hard X-rays:** BAT 22-month catalog (J. Tueller et al. ApJS 186, 378, 2010)
- **Radio:** MOJAVE program (Lister et al. ApJ 137, 3718, 2009)
- **Radio:** UMRAO monitoring (e.g., Aller et al. ApJ 586, 33, 2003)
- **Radio:** F-GAMMA monitoring (Fuhrmann et al., Angelakis et al. 2010)

Data analysis





Correlations studied



Some examples of correlation...