

Jan Mathijs van der Hulst @70





THOMAS à KEMPISLYCEUM - ZWOLLE.

SEPTEMBER - 1960







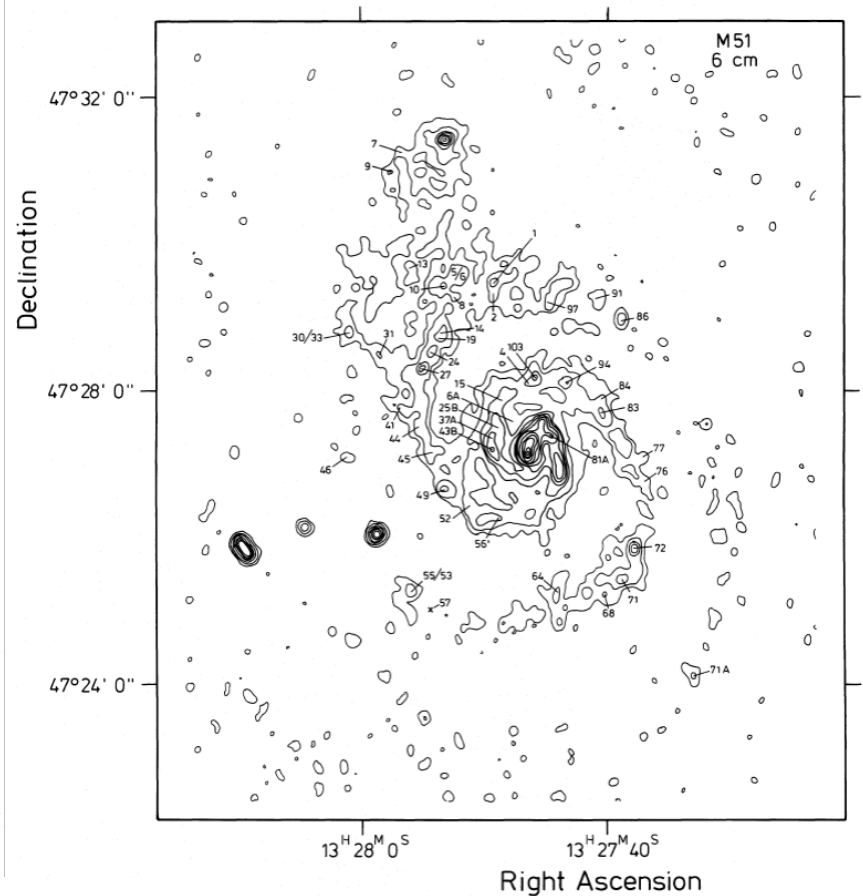
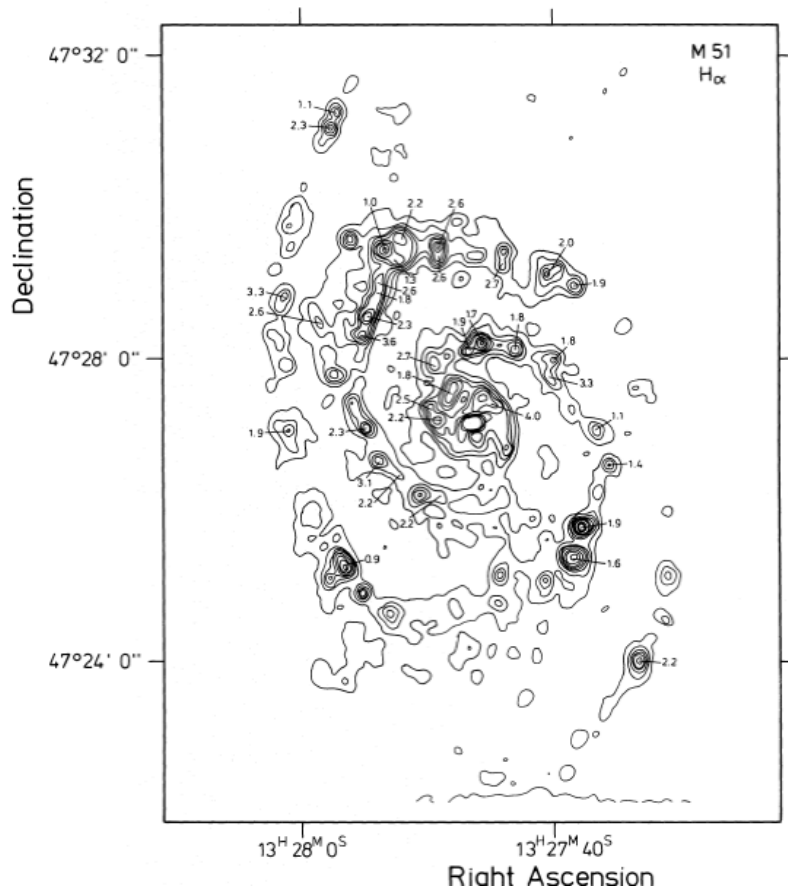
Radio properties and extinction of the H II regions in M51

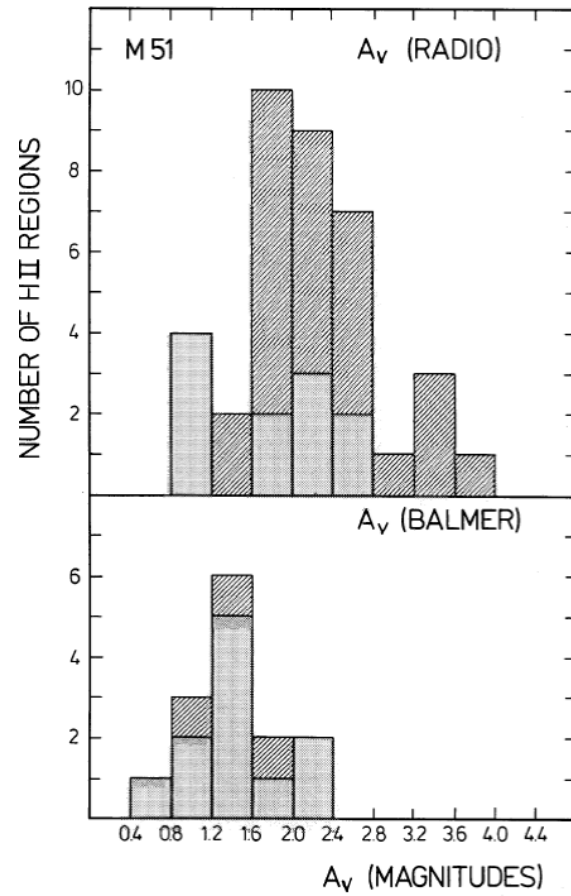
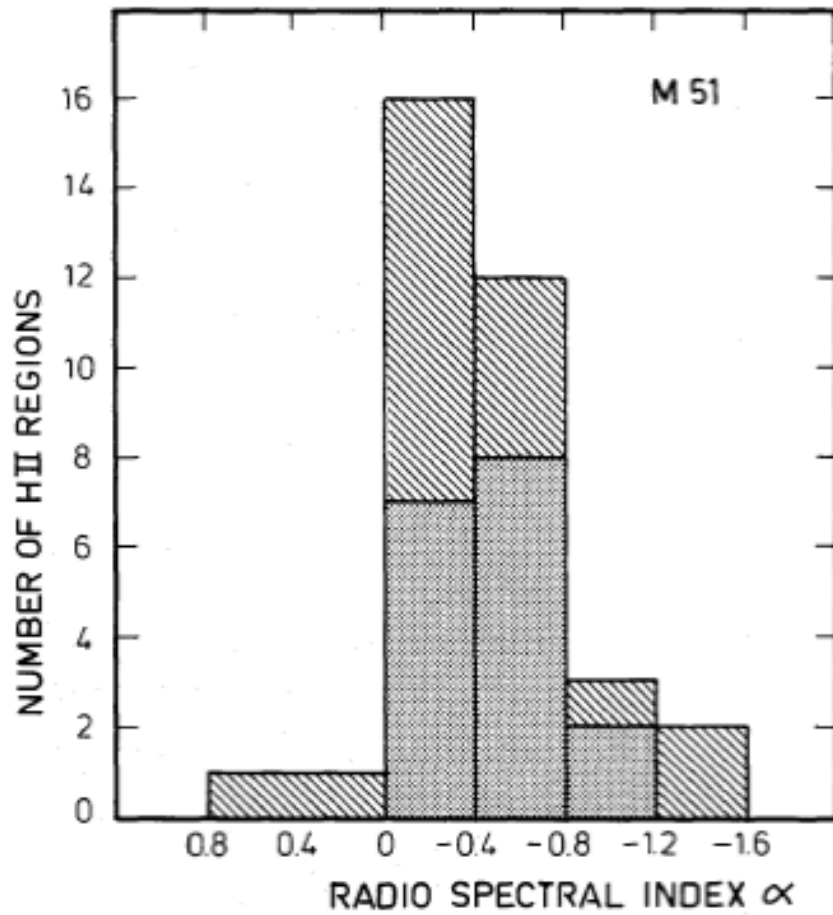
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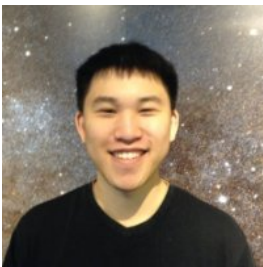


van der Hulst+ 1988



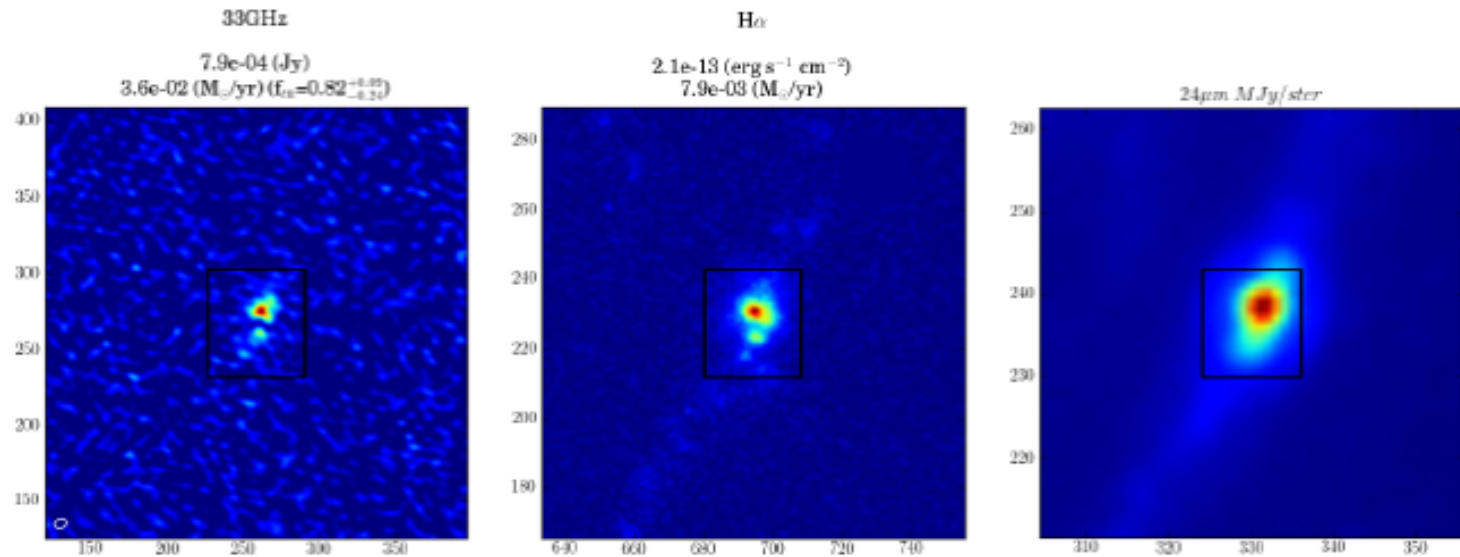
Star Formation in Radio Survey (*E. Murphy et al*)

- JVLA observations at 3, 15, 33 GHz (1-10 cm)
 - matched-resolution observations with B, C, D arrays
 - resolution $1''.2 - 2''.2$ HPBW, primary beam $80'' - 900''$
 - bands 2-4 GHz, 13-17 GHz, 29-37 GHz
 - rms noise 15 - 40 mJy/beam

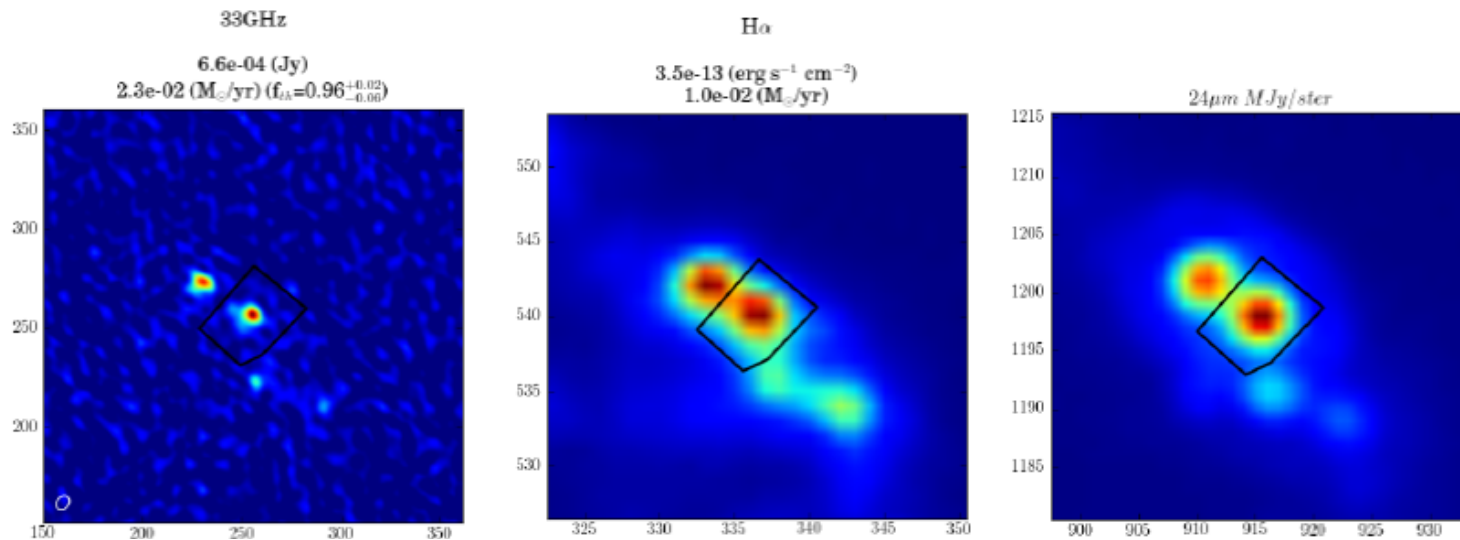


Dillon Dong (Caltech), w/RCK, Eric Murphy, Emmanuel Momjian, Sean Linden

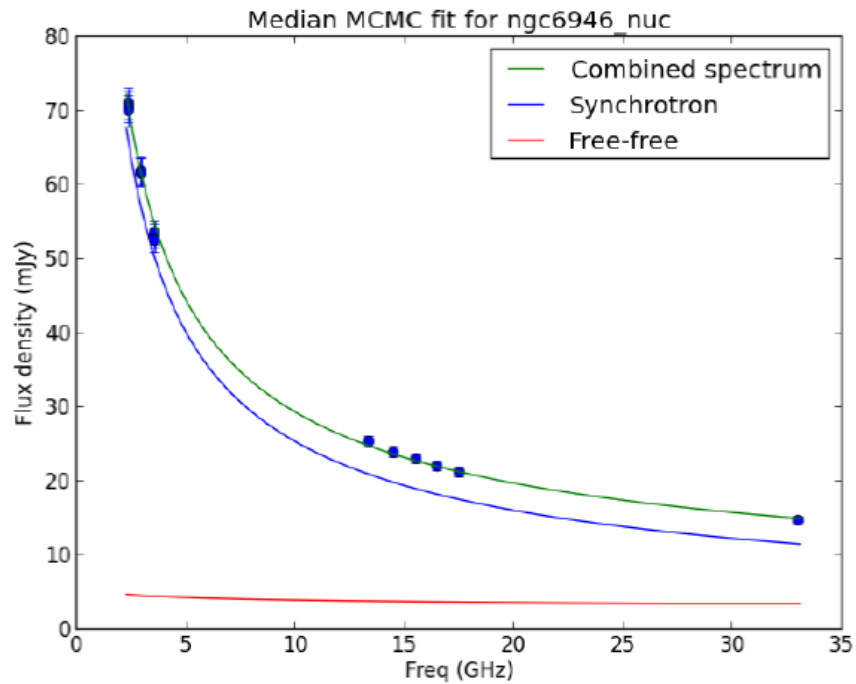
ngc5194 e6
Extinction (from Radio/H α ratio): 1.648 (mag)



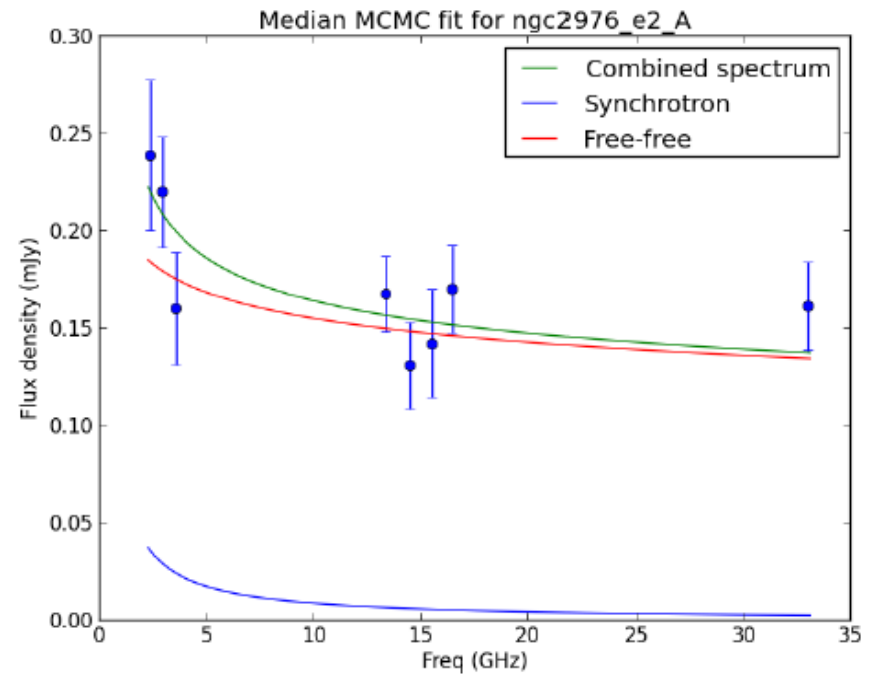
m101 e4 B
Extinction (from Radio/H α ratio): 0.9066 (mag)



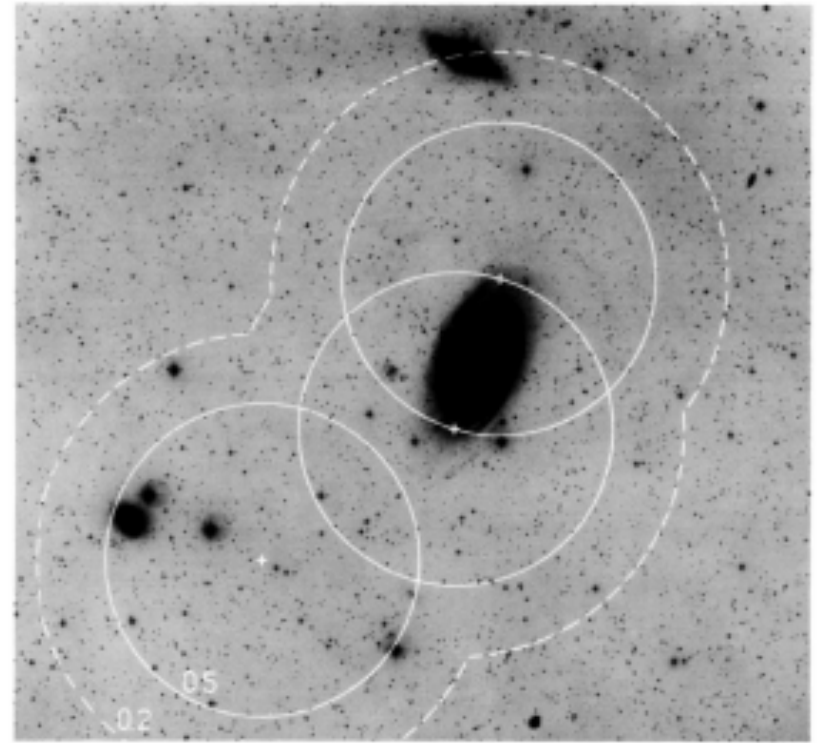
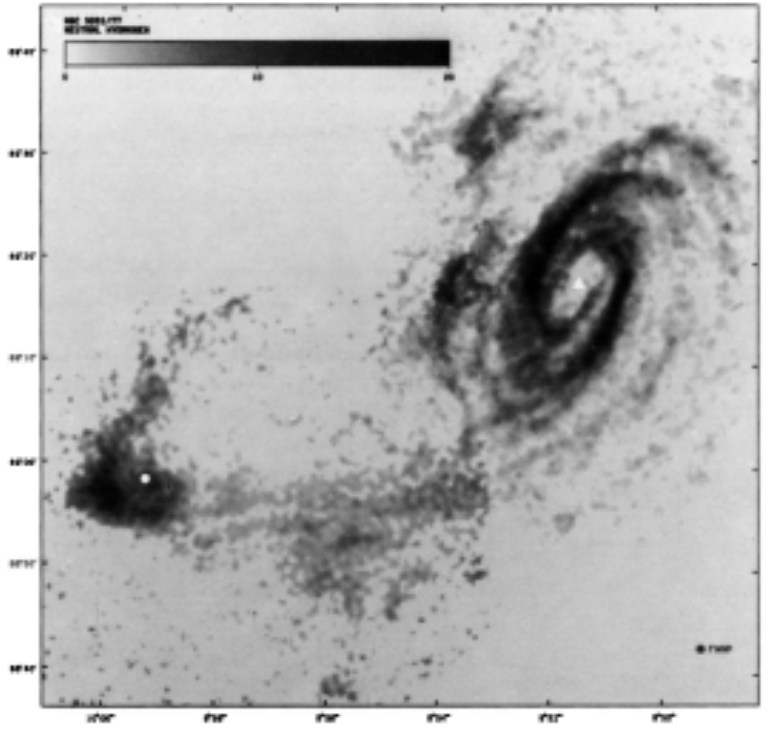
Examples of spectral fits, thermal-nonthermal decompositions



NGC 6946 nucleus



NGC 2976 disc HII region



J. M. van der Hulst: The H I Bridge Between M 81 and NGC 3077

THE EFFECTS OF INTERACTIONS ON SPIRAL GALAXIES. I. NUCLEAR ACTIVITY AND STAR FORMATION

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THE EFFECTS OF INTERACTIONS ON SPIRAL GALAXIES. II. DISK STAR-FORMATION RATES

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ASTRONOMY
AND
ASTROPHYSICS

Environmental impact on the nuclear radio activity in spiral galaxies

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The neutral hydrogen content of red spiral galaxies

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DISCOVERY OF A GROUP OF STAR-FORMING DWARF GALAXIES IN A1367

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“Now I may be wrong, but....“ *[amazingly insightful remark or criticism]*



Thijs van der Hulst knighted by the Queen

02 May 2011







Thank you Thijs!