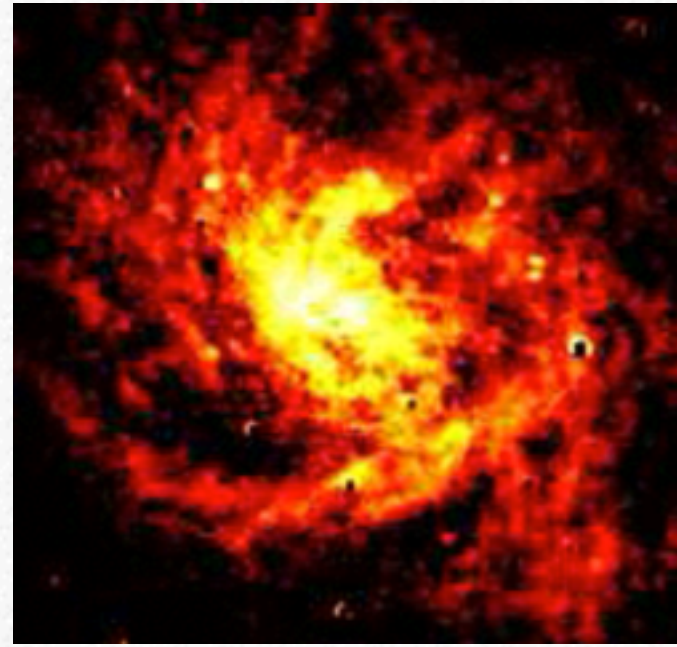
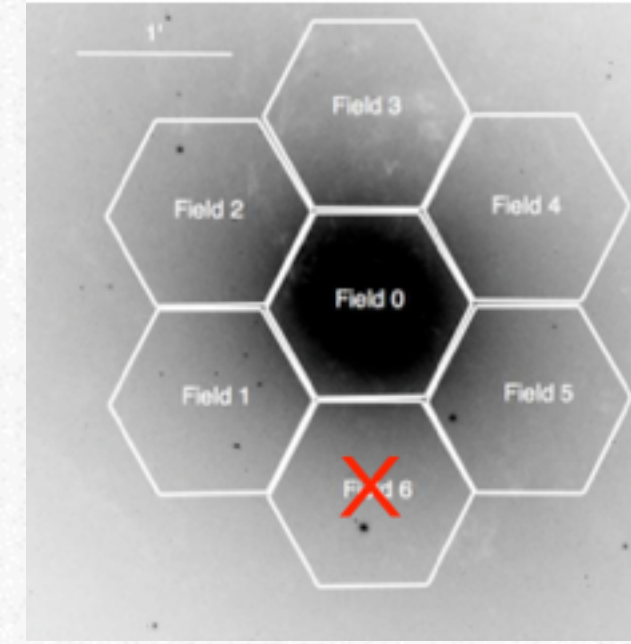


A 2D mapping of the circumnuclear region in M31

Anqi Li Nanjing University



M31 circumnuclear region
nuclear spiral:
warm ionized gas



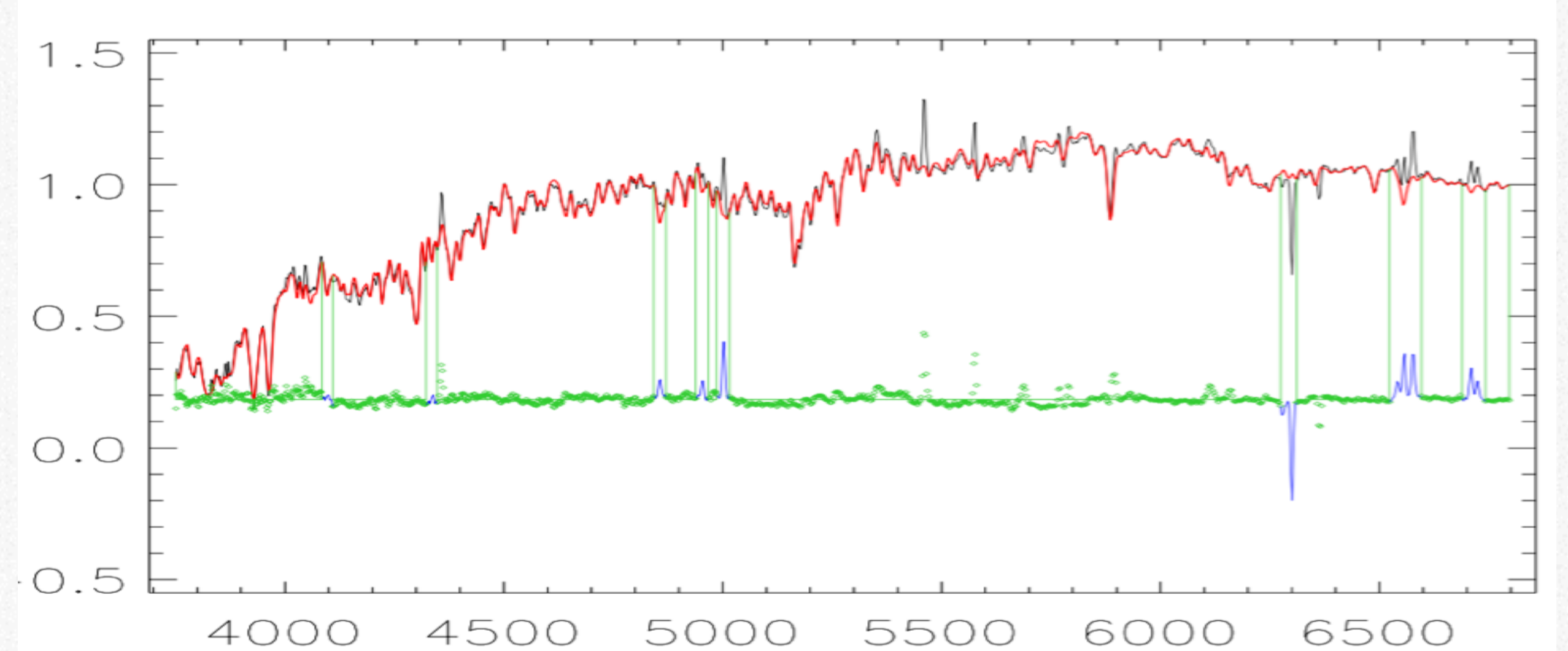
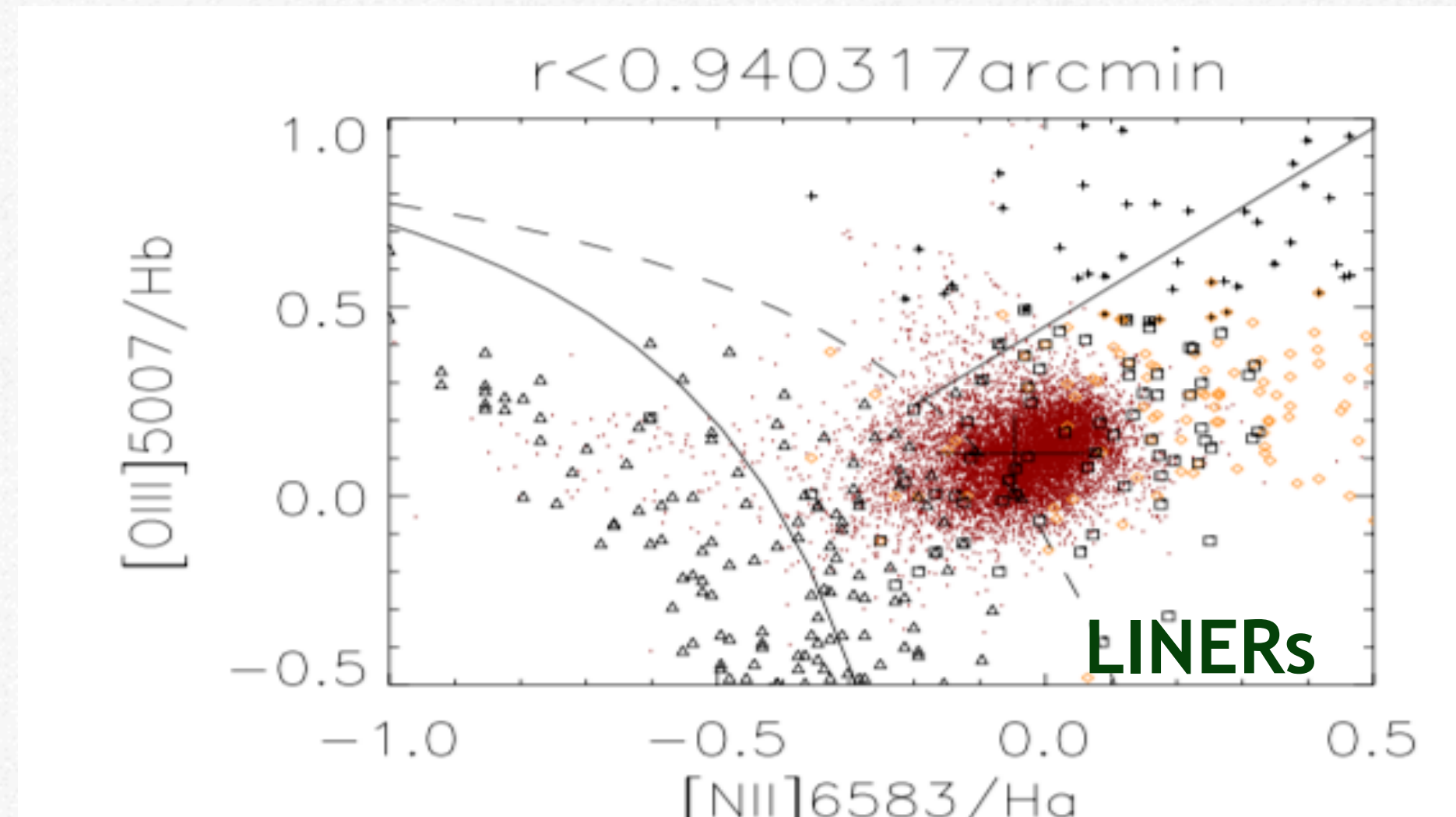
2D mapping

PPAK IFU

74''*64'' per field

4240AA-7140AA or

3650AA-4620AA



1. the formation of this filamentary spiral
like morphology

2. the ionization mechanisms for LINERs

kinematics

line intensities

+ predictions from Cloudy