

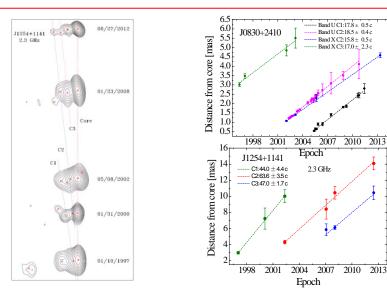
## Qiguo Tian

Band U C1:17.8 ± 0.5 c

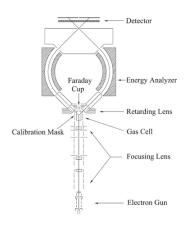
## Polar Research Institute of China, Antarctic Astronomy Division



Astronomy Traverse Member of 29th CHINARE (Chinese National Antarctic Research Expedition)

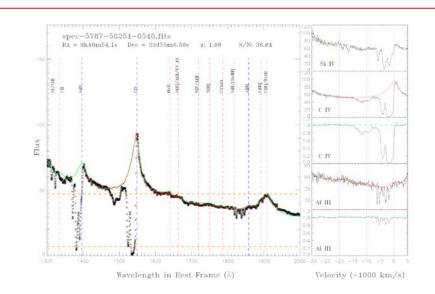


Superluminal motion in Highly Relativistic Jet NLS1 Galaxy: J0830+2410 & J1254+1141



**Apparatus** Design & construct

A high-sensitivity angle and energy dispersive multichannel electron momentum spectrometer with 2  $\pi$  angle range)



Al III absorption line in more than half high-ionization BAL quasars