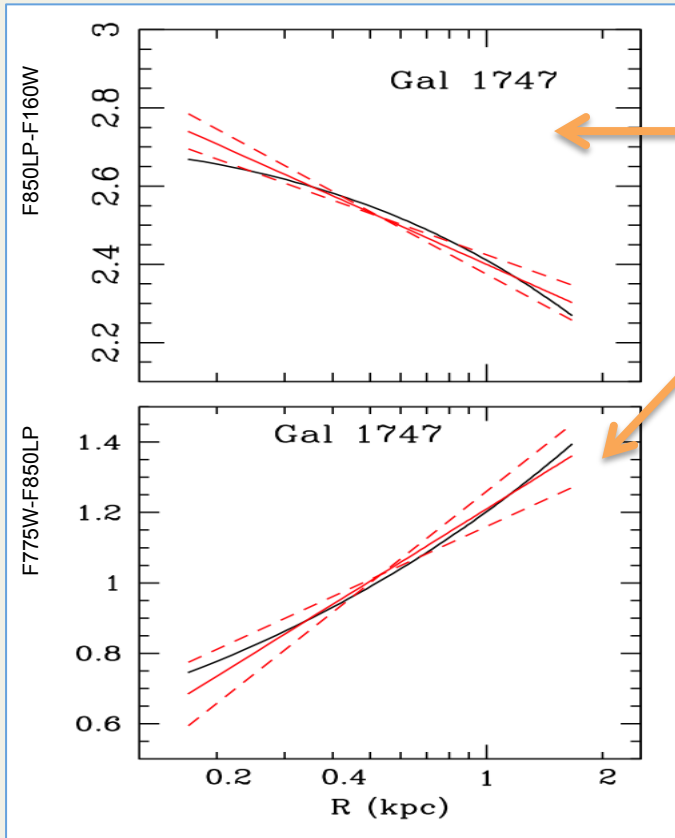


Colour Gradients in Cluster Elliptical Galaxies at $z \sim 1.4$

F. Ciocca, P. Saracco, A. Gargiulo, M. Longhetti, S. Tamburri, I. Lonoce – INAF OAB Milano.

- ✓ $\sim(UV-U)_{rest}$ and $\sim(U-R)_{rest}$ colour gradients of 17 cluster ellipticals at $z \sim 1.4$

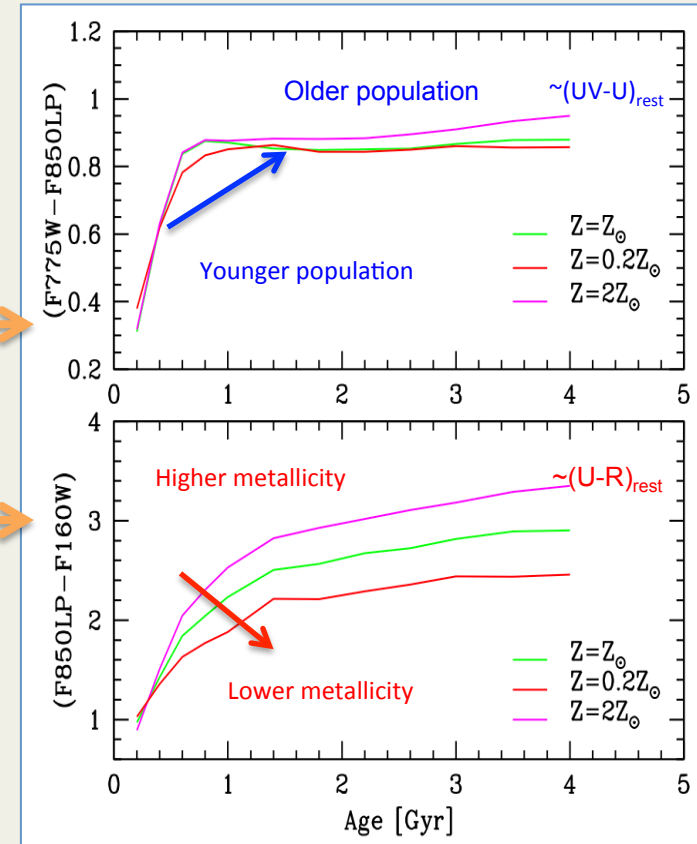


All $\sim(U-R)_{rest}$ are **negative**

All $\sim(UV-U)_{rest}$ are **positive**

Younger population
in the centre

Higher metallicity
in the centre



- ✓ The most reasonable mechanism to justify the observed colour gradients is a low star formation activity in the centre protracted for long time