



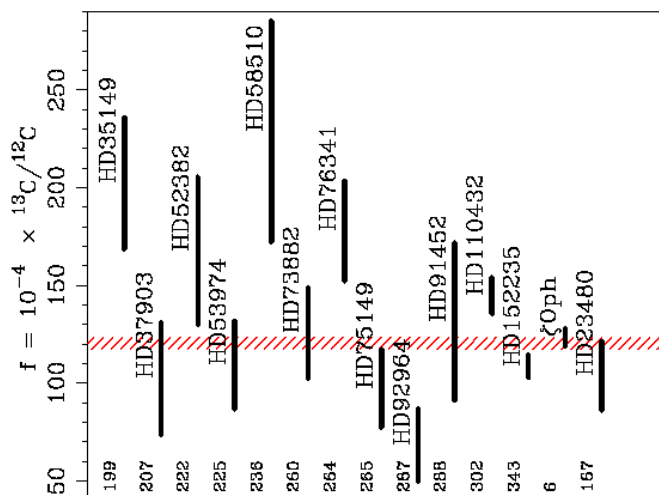
HIGHLIGHTS: this week in A&A

Volume 477-3 (January III 2008)

In section 6. Interstellar and circumstellar matter

"Interstellar $^{12}\text{C}/^{13}\text{C}$ from CH^+ absorption lines: results from an extended survey", by O. Stahl, S. Casassus, and T. Wilson,
A&A 477, p. 865

The authors present a very accurate determination of the isotopic ratio $^{12}\text{C}/^{13}\text{C}$ from CH^+ observations in the local diffuse gas. The observed variations suggest that the ISM is not very well mixed, which is important for studies of the dispersion in stellar abundances.



In section 4. Extragalactic astronomy

"IMAGES.I. Strong evolution of galaxy kinematics since $z=1$ ", by Y.B. Yang, H. Flores, F. Hammer et al., A&A 477, p. 789

This paper presents the results of a new high-redshift ($0.4 < z < 0.8$) survey of galaxy morphology and kinematics, using VLT/GIRAFFE integral field spectroscopy. The sample includes 63 galaxies, a significant fraction of which (over 40%) display kinematics indicating they are neither relaxed nor pressure-supported. About half of these show evidence of more complex dynamics, far more than a local sample. The authors suggest that the subsequent process of dynamical adjustment must be rapid.

