

## AGE-METALLICITY RELATION: COMPARISON OF OPEN CLUSTERS' DATA WITH STELLAR POPULATIONS

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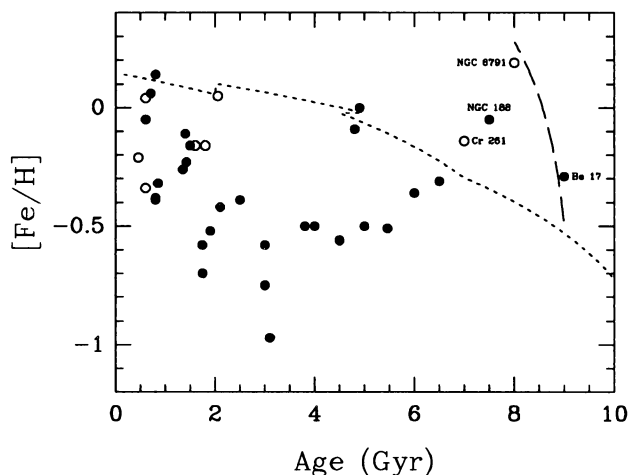
The age-metallicity relation (AMR) from the Old Open Clusters population (Carraro & Chiosi, 1994; Friel & Janes, 1993) is compared with the disc stellar populations obtained from a recently developed model of the Milky Way by Ng 1994. A picture for the chemical evolution of the disc is presented in which the presence of a newly discovered Bar population ( $t = 8-9$  Gyr,  $Z = 0.005-0.030$ ) is taken into account. We suggest that the past history of the Galactic Disc has been significantly influenced by infall of metal poor gas from the halo and accretion events. The results are shown in Fig. 1.

### Bibliography

Carraro, G. & Chiosi, C. 1994, *Astr. & Astrophys.* **287**, 761.

Friel, E. D. & Janes, K. A. 1993, *Astr. & Astrophys.* **267**, 75.

Ng, Y. K. 1994, *PhD. Thesis*, Leiden Observatory, the Netherlands.



**Figure 1:** The Age-Metallicity Relation. The clusters are shown as filled and open circles. The AMR for the disc and bar population are shown respectively as short and dashed lines.