

Constraints on galaxy formation timescales from observed alpha overabundance

Other Conference Item

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Publication date:

2003

Permanent link:

<https://doi.org/10.3929/ethz-a-004584673>

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**On the constraints on galaxy formation timescales from
observed alpha elements overabundance**

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Abstract The chemical enrichment timescale of alpha elements and Iron in stellar systems depends on both their Star Formation timescale and on the SN explosion timescale. This dependence is investigated by means of a general analytical formulation, and some conclusions are drawn on the constraints for the formation timescale of Elliptical Galaxies derived by observed alpha element overabundance.