

Publications

(Including only those for which I have provided significant contributions.)

Paper I : Maund, Fraser, Ergon et al., 2011, ApJ, 739, 37, The Yellow Supergiant Progenitor of the Type II Supernova 2011dh in M51

Paper II : Ergon et al., 2014, A&A 562, 17, Optical and near-infrared observations of SN 2011dh - The first 100 days

Paper III : Bersten, Benvenuto, Nomoto, Ergon et al., 2012, ApJ, 757, 31, The Type IIb Supernova 2011dh from a Supergiant Progenitor

Paper IV : Ergon et al., 2014, arXiv:1408:0731, The Type IIb SN 2011dh - 2 years of observations and modelling of the lightcurves.

Paper V : Jerskstrand, Ergon et al., 2014, arXiv:1408.0732, Late-time spectral line formation in Type IIb supernovae, with application to SN 1993J, SN 2008ax, and SN 2011dh

Paper VI : Ergon et al., In preparation, Hydrodynamical modelling of Type IIb SNe.¹

Fraser, Ergon et al., 2011, MNRAS, 417, 1417, SN 2009md: another faint supernova from a low-mass progenitor

Jerkstrand, Fransson, Maguire, Smartt, Ergon et al., 2012, A&A, 546, 28, The progenitor mass of the Type IIP supernova SN 2004et from late-time spectral modeling

Kankare, Ergon et al., 2012, MNRAS, 424, 855, SN 2009kn - the twin of the Type IIn supernova 1994W

Taddia, Stritzinger, Sollerman, Phillips, Anderson, Ergon et al., 2012, A&A 537, 14, The Type II supernovae 2006V and 2006au: two SN 1987A-like events

Fransson, Ergon et al., 2013, arXiv:1312.6617, High Density Circumstellar Interaction in the Luminous Type IIn SN 2010jl: The first 1100 days

Fremling, Sollerman, Taddia, Ergon et al., 2014, A&A 565, 114, The rise and fall of the Type Ib supernova iPTF13bvn - Not a massive Wolf-Rayet star

Ergon, 2013, EWASS 2013 symposium 8, SN 2011dh - Two years later.

Ergon, 2014, The transient universe as seen by iPTF and ZTF, SN 2011dh and other Type IIb supernovae.

¹ This paper is included although it is not yet published as it is essential to the science described in the research plan. A draft version can be downloaded here: <https://ttt.astro.su.se/~maer0651/hydro-IIb-v4.pdf>. The hydrodynamical code HYDE and the model grid is, however, also briefly described in Paper IV.