

PUBLICATIONS

FIRST AUTHOR ARTICLES

1. *A decade of ejecta dust formation in the Type II_n SN 2005ip*
A. Bevan, R. Wesson, M.J. Barlow, I. De Looze, J.E. Andrews, G.C. Clayton, K. Krafton, M. Matsuura, & D. Milisavljevic, 2019, MNRAS, 485, 5192
2. *Measuring dust in core-collapse supernovae with a Bayesian approach to line profile modelling*
A. Bevan, 2018, MNRAS, 480, 4659
3. *Dust masses for SN 1980K, SN 1993J and Cassiopeia A from red-blue emission line asymmetries*
A. Bevan, M. J. Barlow & D. Milisavljevic, 2017, MNRAS, 465, 4044
4. *Modelling supernova line profile asymmetries to determine ejecta dust masses: SN 1987A from days 714 to 3604*
A. Bevan & M. J. Barlow, 2016, MNRAS, 456, 1269

OTHER PEER-REVIEWED PUBLICATIONS

5. *Disentangling Dust Components in SN 2010jl: The First 1400 Days*
K. Krafton, **A. Bevan**, R. Wesson, J. E. Andrews, E. Montiel, M. Niculescu-Duvaz, M. J. Barlow, I. De Looze, G. C. Clayton, MNRAS (submitted)
6. *Dust survival rates through the Cas A reverse shock I: results for a range of clump densities*
F. Kirchschrager, F. D. Schmidt, M. J. Barlow, E. L. Fogerty, **A. Bevan** & F. D. Priestley, 2019, MNRAS (submitted)
7. *The dust content of the Crab Nebula*
I. De Looze, M. J. Barlow, R. Bandiera, **A. Bevan**, M. F. Bietenholz, H. Chawner, H. L. Gomez, M. Matsuura, F. Priestley & R. Wesson, 2019, MNRAS, 488, 164
8. *SOFIA mid-infrared observations of Supernova 1987A in 2016 - forward shocks and possible dust re-formation in the post-shocked region*
M. Matsuura, J. M. De Buizer, R. G. Arendt, E. Dwek, M.J. Barlow, **A. Bevan**, P. Cigan, H. L. Gomez, J. Rho, R. Wesson, P. Bouchet, J. Danziger & M. Meixner, 2019, MNRAS, 482, 1715
9. *The spectral energy distribution of protoplanetary discs around massive young stellar objects*
B. Ercolano, **A. Bevan** & T. Robitaille, 2013, MNRAS, 428, 2714

PUBLISHED SOFTWARE

10. *DAMOCLES: Monte Carlo line radiative transfer code*
A. Bevan, 2018, Astrophysics Source Code Library, ascl:1807.023