Milliarcsecond monitoring of supernova remnants in M82

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M82 is considered the archetypal starburst galaxy and at a distance of ~3.6\,Mpc is one of the closest examples of its kind. It therefore provides a unique opportunity to study a star-forming environment in detail and particularly the discrete products of star-formation such as supernova remnants (SNR) and HII regions.

We will present multi-epoch millarcsecond resolution monitoring of the most compact supernova remnants in M82. This will include global VLBI imaging of two of the most compact sources and their evolution over two decades, as well as the first monitoring results of the transient source.