

## Winter Meeting 2024



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# The SIF-Gaia data from engineering images taken in the omega Centauri region, and future data

*Wednesday, 7 February 2024 10:00 (25 minutes)*

In addition to standard Gaia observations, full Sky Mapper images were recorded for nine selected regions in the sky. An adapted version of Gaia's Source Detection and Image Parameter Determination software located sources in the 2D images. These source detections were clustered and assigned to new or existing Gaia sources by Gaia's cross-match software. This new pipeline produced half a million additional Gaia sources in the region of the omega Centauri cluster, which were published with latest Gaia Focused Product Release. In this talk, I will present the methods used and the results of this new pipeline for omega Centauri, and briefly demonstrate what to expect for the fourth Gaia catalogue.

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