

Workshop

Stellar End Products: The Low Mass - High Mass Connection

ESO Garching, 6-10 July, 2015

Shazrene Mohamed

South African Astronomical Observatory, South Africa

Title:

Shaping the outflows of evolved stars

Abstract:

Cool, evolved stars lose copious amounts of mass and momentum through powerful, dense stellar winds. The interaction of these outflows with their surroundings results in highly structured and complex circumstellar environments, often featuring knots, arcs, shells and spirals. In this talk, I will discuss three of the main mechanisms that shape the outflows of evolved stars: - interaction with the interstellar medium; interaction with a stellar wind (from a previous phase of evolution or the wind from a companion star); and interaction with a companion that has a weak or insignificant outflow.