## Workshop

# Stellar End Products: The Low Mass - High Mass Connection

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#### Title:

New LBV stars in the Andromeda galaxy (co-authors: S. Fabrika, O. Sholukhova, A. Sarkisyan, D Bizyaev)

### Abstract:

We performed near-infrared and optical spectroscopy of five Luminous Blue Variable (LBV) candidates and two known LBV stars in M31. We use a new approach to the LBV parameters estimation based on the inherent property of LBVs to change their spectral type at constant bolometric luminosity. Two LBV candidates have to be classified as new LBV stars. Two more candidates are, apparently, B[e]-supergiants. Using spectral energy distributions and variability of these stars we estimate temperatures, reddening, radii, luminosities, and mass loss rates.