

A SYNOPTIC VIEW OF THE MAGELLANIC CLOUDS:
VMC, GAIA AND BEYOND

ESO-HQ, GARCHING BEI MÜNCHEN, GERMANY
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**The mass of the LMC and its effect
on the Milky Way**

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I will review probes of the LMC's mass on various scales, from internal kinematics up to the induced reflex motion of the Milky Way, and I will argue that these suggest that the LMC must have a mass above $1e11 M_{\text{sun}}$. I will present evidence that the LMC is having a large effect on the Milky Way and in particular that its mass can be measured through its effect on tidal streams around the Milky Way.