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Deep NIR Photometry of HI Galaxies Behind the Milky Way

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Current studies of the peculiar velocity flow field in the Local Universe are limited by the lack of detection of galaxies behind the Milky Way. The contribution of the largely unknown mass distribution in this "Zone of Avoidance" (ZoA) to the dynamics of the Local group remains controversial. We have undertaken a near infrared (NIR) survey of HI detected galaxies in the ZoA. The photometry derived here will be used in the NIR Tully-Fisher (TF) relation to derive the peculiar velocities of this sample of galaxies in the ZoA.

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