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### Interstellar polarization in imaging polarimetry of supernovae

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Imaging polarimetry evolution of supernovae can provide invaluable information on the explosion asymmetries and the circumstellar material ejected by the progenitor. However, constraining the interstellar polarization (ISP) from the Milky Way and the host galaxy are necessary ingredients to obtain the intrinsic polarization of any transient. Traditionally, the ISP has been estimated through spectral polarimetric techniques that make use of e.g. P-Cygni profiles. We present here the methods to obtain both the ISP of the Milky Way, using multi-band linear imaging polarimetry of the field stars, together with the ISP in the SN host for nearby galaxies obtained from direct imaging polarimetric analysis of the environment. We apply our methodology for dedicated host galaxy imaging polarimetry of nearby supernova hosts with FORS2-VLT and for direct supernova imaging polarimetry with CAFOS-CAHA.

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