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The Galactic O-Star Spectroscopic Survey (GOSSS)

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We present a massive spectroscopic survey of Galactic O stars, GOSSS, based on new, high signal-to-noise ratio, $R \sim 2500$ blue-violet digital observations from both hemispheres. The sample size and selection criteria; the relationship between GOSSS, the Galactic O-Star Catalog (GOSC), and three sister surveys (OWN, IACOB, and Lucky Imaging); the current status; and our plans for the future are discussed. We also show some of our first results, which include the new Ofc category, two new examples of Of?p stars, a new atlas for O stars, and the introduction of the O9.7 type for luminosity classes III to V. Finally, our scientific objectives are discussed.

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