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The PRISMA network and the recovery of the Cavezzo and Matera meteorites

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The PRISMA project (www.prisma.inaf.it) consists of 60 all-sky cameras for triangulating the trajectories of fireballs and, for the brightest phenomena, searching for any meteorites on the ground. This project, coordinated by INAF, was born in 2017 and on January 4, 2020 there was the recovery of the first meteorite near Modena, the “Cavezzo”, associated with the “New Year’s fireball” of January 1, 2020. It was the first meteorite found following triangulation in Italy. The success was repeated on February 17, 2023, with the recovery of the “Matera” meteorite, associated with the so-called “San Valentino” fireball of February 14, 2023. In the talk we will see how Prisma works and how it is possible to limit the strewn field for the search of meteorites.

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