



PRISMA: an Italian network for the recovery of freshly fallen meteorites

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PRISMA is the Italian fireball network dedicated to the observation of bright meteors. It is active since 2016 and formed a collaboration involving more than 60 institutes, being coordinated by INAF, the Italian National Institute for Astrophysics. PRISMA is also a member of the European network FRIPON. To date, the network counts more than 60 all-sky detectors and has observed more than 2000 bright meteor, four of them being meteorite-dropping fireballs with a predicted strewn-field over the Italian territory. On 04/01/2020, two meteorite pieces were recovered near Cavezzo (MO) in the predicted area just three days after the fall. This was the first recovery of this type in Italy. However, due to the morphology of the two fragments, other meteorites pieces are yet to be found. More recently, on 15/03/2021, a similar event was observed in the skies of southern Italy, near Isernia. Searches for the meteorite are still ongoing, involving the local people and volunteers. In addition, two more meteorite-dropping fireballs were observed, in 2017 and 2018, for which a reliable strewn-field is available. We will report on the current status of the network operations.

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