



Publication Year	2019
Acceptance in OA	2024-06-04T10:07:18Z
Title	GRB 190305A: AGILE/MCAL detection of a burst
Authors	URSI, ALESSANDRO, Cardillo, M., Casentini, C., PITTORI, Carlotta, BULGARELLI, ANDREA, PARMIGGIANI, NICOLO, Tavani, M., ARGAN, ANDREA, Evangelista, Y., PIANO, Giovanni, LUCARELLI, Fabrizio, VERRECCHIA, Francesco, FIORETTI, VALENTINA, Fuschino, F., Marisaldi, M., PILIA, Maura, Trois, A., Donnarumma, I., Longo, F., Giuliani, A.
Handle	http://hdl.handle.net/20.500.12386/35178
Journal	GRB Coordinates Network
Volume	23930

TITLE: GCN CIRCULAR
NUMBER: 23930
SUBJECT: GRB 190305A: AGILE/MCAL detection of a burst
DATE: 19/03/05 14:39:05 GMT
FROM: Alessandro Ursi at INAF/IAPS <alessandro.ursi@gmail.com>

A. Ursi (INAF/IAPS), M. Cardillo, C. Casentini (INAF/IAPS), C. Pittori (SSDC, and INAF/OAR), A. Bulgarelli, N. Parmiggiani (INAF/OAS-Bologna), M. Tavani (INAF/IAPS, and Univ. Roma Tor Vergata), A. Argan, M. Cardillo, Y. Evangelista, G. Piano (INAF/IAPS), F. Lucarelli, F. Verrecchia (SSDC, and INAF/OAR), V. Fioretti, F. Fuschino (INAF/OAS-Bologna), M. Marisaldi (INAF/OAS-Bologna, and Bergen University), M. Pilia, A. Trois (INAF/OA-Cagliari), I. Donnarumma (ASI), F. Longo (Univ. Trieste and INFN Trieste), A. Giuliani (INAF/IASF-Mi), report on behalf of the AGILE Team:

The AGILE Mini-CALorimeter (MCAL) detected a burst at $T_0 = 2019-03-05$ 13:05:19.34 \pm 0.01 s (UTC).

The event lasted about 1.8 s and released a total number of ~ 8040 counts in the detector (in the 0.4-100 MeV energy range), above an average background rate of 620 counts / s. The burst is also clearly visible in the scientific ratemeters of the Anti-Coincidence (AC, 50-200 keV), SuperAGILE (SA, 18-60 keV) and MiniCALorimeter (MCAL, 0.4-100 MeV) detectors.

Further analysis is still in progress.

The AGILE-MCAL detector has a full solid angle acceptance, and is operational in the range 0.4 - 100 MeV.