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INTEGRAL and radio joint programme of FRB121102 during a renewed activity

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INTEGRAL and radio joint programme of FRB121102 during a renewed activity

ATel #13073; *Christian Gouiffes (CEA Saclay), Laura Spitler (MPIfR), Ismael Cognard (CNRS Orléans), Anaëlle Maury (CEA Saclay), Jason Hessels (University of Amsterdam), Andrew Seymour (Obs. Arecibo), DI Li (NAOC), Philippe Laurent (CEA Saclay), Emeric Le Floc'h (CEA Saclay), Eoin O'Connor (NUI Galway), Stéphane Corbel (CEA Saclay), Mary Cruces (MPIfR), Michel Dennefeld (IAP), Diego Gaitz (CEA Saclay), Lei Qian (NAOC), Volodymyr Savchenko (ISDC Geneva), Andy Shearer (NUI Galway), Jerome Rodriguez (CEA Saclay), Philippe Zarka (Observatoire de Paris)*

on 3 Sep 2019; 19:28 UT

Credential Certification: [Jerome Rodriguez \(jrodriguez@cea.fr\)](mailto:jrodriguez@cea.fr)

Subjects: Radio, X-ray, Gamma Ray, Transient, Fast Radio Burst

Referred to by ATel #: [13098](#), [13235](#)

Here we report on a renewed activity of the repeating fast radio burst FRB121102. During an ongoing programme involving the INTEGRAL satellite in hard X-rays, the Arecibo, Effelsberg, and the Nançay radio telescopes, several radio bursts were detected in the last days. Previous activity of the source has also been reported using the FAST telescope (ATel #[13064](#)).

Our last observation on September, 3rd indicates that FRB121102 is still active and our monitoring of the source will continue in the coming days according to the following schedules :

- INTEGRAL observations will continue till 2019, September 6 05:00 UTC (revolution 2132 and 2133, see detailed scheduling information at <https://www.cosmos.esa.int/web/integral/schedule-information>)

- Nançay will observe on:

Related

- [13235](#) **Detection of Multiple Radio Bursts from FRB 121102 using the Deep Space Network**
- [13098](#) **MeerKAT detections of FRB 121102 at L-band**
- [13090](#) **Detection of A Fast Radio Burst from FRB 121102 with the Haoping 40m Radio Telescope, China**
- [13075](#) **UKIRT NIR upper limit on FRB121102**
- [13073](#) **INTEGRAL and radio joint programme of FRB121102 during a renewed activity**
- [13064](#) **FAST Detects Multiple Bursts in L-band from FRB 121102**

04.09.2019 05h59 -> 06h59 UT

05.09.2019 05h55 -> 06h55 UT

06.09.2019 05h51 -> 06h51 UT

- Effelsberg will observe on:

4.9 from 0:15 to 7:00 UTC

5.9 from 0:15 to 7:00 UTC

6.9 from 0:15 to 7:00 UTC

We encourage multifrequency observations during these periods.

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