

GW⊗GRB meeting in Rome

📅 27 Jan 2020, 09:00 → 29 Jan 2020, 18:30 Europe/Berlin

📍 Sala Bisogno (Italy, Rome)

Description Program and rationale

Main goals:

- find solutions on critical points and open issues
- clear actions for the team

Long term goal: present the paper to the consortium meeting in Sophia.

- Review open issues and fix them
 - e.g. use divergent mode (for GW)? How to include recent GRB TeV emission? Fix min obs. time; fix observing strategy(s) (for GW), which level of 'real observing conditions' should be included? (moonlight?) etc...
- Solve pending technical issues (e.g. detection of hot-spot with CTOOLS, define detection limit; how to improve the detection and computation of sensitivity? is GRB template structure good as it is? etc....)
 - teamwork in small groups needed (for GW and GRB)
- Present and fix the paper template, the sections and their content.
- Define writing teams of the sections of the paper
- Coordinate between GRB and GW, were needed (e.g. how to compare GW-GRB joint-rates)



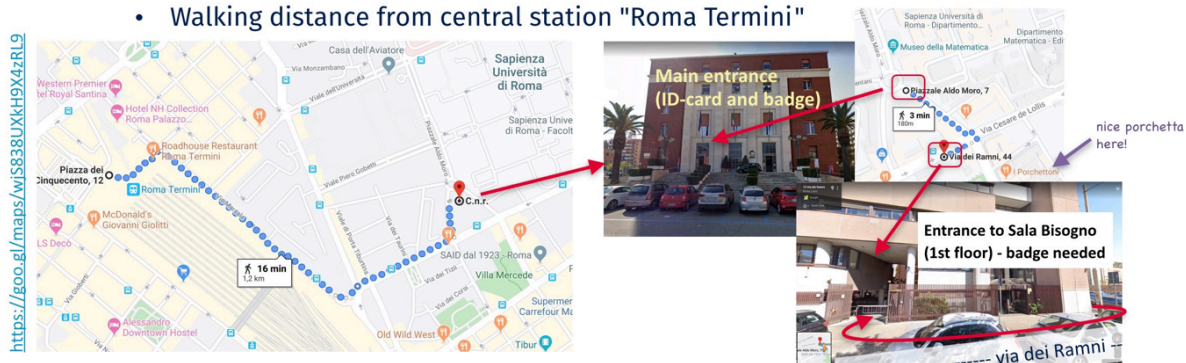
⊗ 27-29 JAN	MON	TUE	WED
MORNING	arrival	Reports - critical points and open issues	GW-paper define structure & writing teams
	arrival	Hands-on - Detectability; - implementation with CTOOLS and gamma-ray - details on observing strategies - implementation - CTA 'realistic' obs.conditions simulation	GRB-paper status and progress
AFTERNOON	intro-GW status-report		GW (GRB)- teamwork
	intro-GRB status-report		
	Reports - critical points and open issues	General Discussion GW-GRB	

Logistical info

- Start at 2 pm on 27th January;
 - room will be available, starting at 10 am in the morning.
- End on 29th January at 1 pm
 - afternoon (2-7pm) planned for GW/GRB-teamwork

Map: <https://goo.gl/maps/wjS838UXkH9X4zRL9>

- CNR headquarters
 - Walking distance from central station "Roma Termini"



- Room: "Sala Bisogno" (entrance in via dei Ramni: a badge is needed)
 - Identification and **ID-card needed** to get the badge and to enter the building.
- Cafeteria inside the building
 - several bars and restaurants nearby
 - Social dinner will be organised in due time
dietary requests will be collected on site



Registration

You are registered for this event.

Participants

Alessandro Carosi
 Andrea Bulgarelli
 Antonio Stamerra
 Barbara Patricelli
 Christopher Moore
 Elisabetta Bissaldi
 Enzo Brocato
 Fabian Schüssler
 Francesco Longo
 Frederic Piron
 Giancarlo Ghirlanda
 Giulia Stratta
 Halim ASHKAR
 Iftach Sadeh
 Lara Nava
 Lucio Angelo Antonelli
 Maria Grazia Bernardini



There are minutes attached to this event. [Show them.](#)

MONDAY, 27 JANUARY

10:30 → 12:30 **ARRIVAL:** Room available for working and for informal meetings

Room available

12:30 → 14:00 **Lunch break** ⌚ 1h 30m

14:00 → 14:20 **General:** Introduction on Transient WG

14:20 → 15:10 **GW:** Status report

14:20 **Intro - Status of GW activities - plans** ⌚ 25m

Speaker: Dr Antonio Stamerra (INAF-OAR and SNS-Pisa)

14:45 **Discussion** ⌚ 25m

15:10	→ 16:00	GRB: Status report
15:10		Intro - Status of GRB activities - plans ⌚ 30m Speaker: Giancarlo Ghirlanda (INAF)
15:40		Discussion ⌚ 20m
16:00	→ 16:30	coffee break (free) ⌚ 30m
16:30	→ 18:50	GW⊗GRB: critical and open issues
16:30		To do list & open issues: GW map and alert simulation ⌚ 10m Speaker: Barbara Patricelli (INAF ROMA)
16:40		Discussion ⌚ 20m
17:00		To do list & open issues: GRB templates GW ⌚ 20m Speaker: Dr Lara Nava (INAF OAB)
17:20		Discussion ⌚ 25m
17:45		To do list & open issues: GRB simulations ⌚ 20m Speakers: Lara Nava (INAF OAB), Zeljka Bosnjak (Faculty of Electrical Engineering and Computing, University of Zagreb, 10000 Zagreb, Croatia)
18:05		Discussion ⌚ 30m

TUESDAY, 28 JANUARY

09:00	→ 10:30	GW⊗GRB: Hands-on
09:00		To do list & open issues: CTA-CTOOLS and gammapy simulation (GW+GRB) ⌚ 1h 30m Speakers: Alessandro Carosi (LAPP), Francesco Longo (INFN), Monica Seglar-Arroyo (LAPP), Thierry Stolarczyk (CEA Irfu), Thomas Gasparetto (UNITS, INFN, UGA, LAPP)
10:30	→ 11:00	Coffee break (free) ⌚ 30m
11:00	→ 12:30	GW⊗GRB: Hands-on
11:00		Discussion ⌚ 1h 30m
12:30	→ 14:00	Lunch break ⌚ 1h 30m

14:00	→ 16:00	GW⊗GRB: Hands-on
	14:00	Discussion ⌚ 2h
16:00	→ 16:30	Coffee break ⌚ 30m
16:30	→ 19:00	GW⊗GRB: General discussion
	17:00	Observational strategies GW ⌚ 20m Speakers: ALL-GRB-Team, Antonio Stamerra (INAF-OAR and SNS-Pisa), Fabian Schüssler (IRFU)
	17:20	To do list & open issues: RTA ⌚ 15m Speaker: Valentina Fioretti (INAF/IASF Bologna)
	17:35	Wrap-up and next steps ⌚ 25m Speaker: ALL
	18:00	Discussion ⌚ 35m

WEDNESDAY, 29 JANUARY

09:00	→ 10:30	GW: paper content and structure
	09:00	Status of the paper (draft? overleaf...) ⌚ 15m
	09:30	Assignment of tasks for writing of sessions ⌚ 30m
10:30	→ 11:00	coffee break ⌚ 30m
11:00	→ 12:30	GRB: Paper content and structure
12:30	→ 14:00	Lunch break ⌚ 1h 30m
14:00	→ 18:00	GW: Teamwork (includes GRB if needed)