Science WG meeting - online - 26 November 2020

Discussion

Sergio Campana

Thanks!

- * First of all, let me thanks all the people who have contributed to start building the SOXS science case, together with people who are building the instrument: great work!
- * Despite being a virtual meeting, we had a good attendance: ~60 people connected anytime
- * All presentations are already on the conference site https://indico.ict.inaf.it/ event/1240/





145hr * WG1-Small bodies * WG2-Stars-EXO-YSO 271hr 302hr (155-4 WG3-XRB * 90hr * WG4-CV&WD 160hr WG5-SNIa • 249hr WG6-Nuclear

TIME (/yr)



	WG7-ILOT	120hr
	WG8-SNCC	280hr
115)	WG9-AGN	30hr
	WG10-TDE	260hr
	WG11-GRB	86hr
	WG12-GW	40hr

TOTAL 2033hr

Available 1000hr (including <250hr for classification program)







hr	WG1	WG2	WG3	WG4	WG5 flat	WG6	WG7	WG8	WG9	WG10	WG11	WG12	TOT	Ava
ITALY	100	271	270	70	40	58	100	100	18		71	40	1038	38
WEIZ				10				120					130	18
QUB	25					150		10			12		197	62
FINL	20		32	10	40	13	20	10	6	20			181	54
MAS					40			40	8	100			188	46
TAU						28				140			168	30
NBI					40						3		43	15

National share (hr/yr)





















imeline

- Summer 2022, and offer the instrument for fall 2022.
- should be ready for that time.
- * If not, everything is moved by 6 months.

* If we will respect the schedule we will have the PAE December 2021, the instrument in Chile January 2022, start the commission & SV in Spring-

* ESO should announce the instrument in February 2022 and our GTO criteria





- * Finalise the discussion within the SWGs
- * Prepare the internal proposals
- arrive at the Board no later than September-October 2021
- * Next SWG meeting(s) June-July 2021 and/or November-December 2021

What's next

* In the current scheme (GTO starts October 2022), internal proposal should

Discussion points

- Legacy value of complete samples
- * Fast reaction and super-fast reaction, are operations well placed?
- Prioritisation of the targets
- * Other facilities and synergies with other telescopes (VLT)
- Classification program: criteria for source selection *
- Classification program: homogeneity across the nodes *
- Classification program: archiving the data and classifications *
- * Relations with ENGRAVE (GW) and STARGATE (GRB)
- * Open the collaboration to new member institutions

* Feeder survey and input for triggers (ZTF, ATLAS, ASAS-SN, Gaia, LS4, BlackGem, KMT, LSST)