

ENGRAVE

Electromagnetic Counterparts of Gravitational Wave sources at the Very Large Telescope



A collaboration of
196 ESO scientists

Governing Council : E. Brocato, P. D'Avanzo, J. Hjorth, P. Jonker, E. Pian, S. Smartt, J. Sollerman, D. Steeghs, N. Tanvir, M. Branchesi

Executive Committee :

A. Levan (Chair), S. Covino, K. McGuire, D. Malesani, S.D. Vergani

VLT ToO Large Programme (submitted)

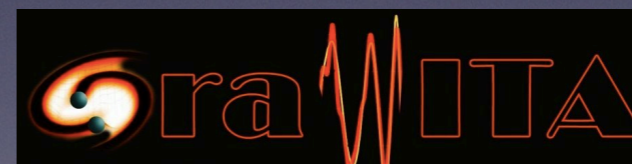
3 periods : P102-P104 Oct. 2018 - March 2020
Fully covering O3

Requesting 180hrs of VLT
4 triggers @ 45hrs per event

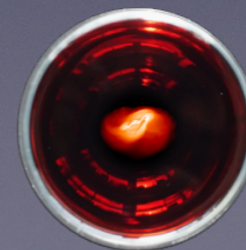
**All usable VLT instruments (depending on mag
and SED of source)**



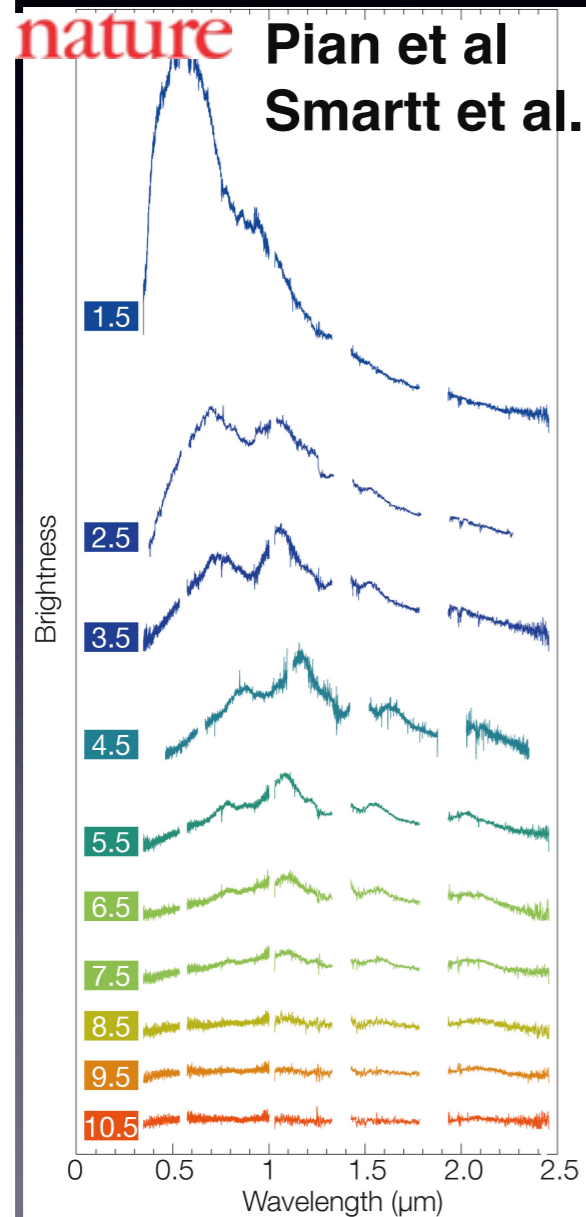
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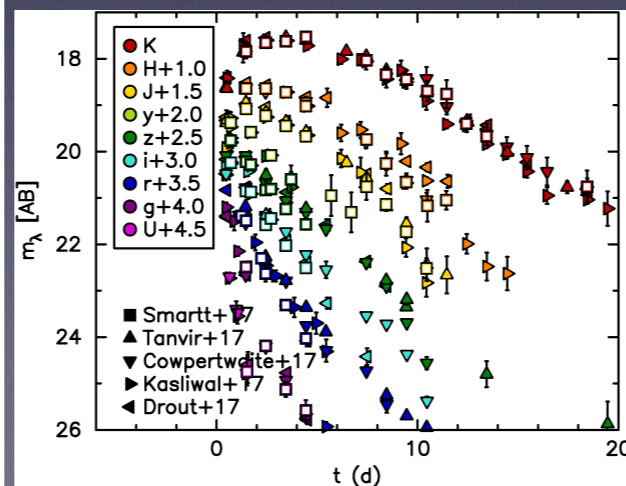
VIN ROUGE



Simple goal - every useful ESO instrument, every night



- 0.3 - 2.5 micron spectra (xshooter + FORS/specpol + EFOSC2/SOFI if bright enough)
- 0.3 - 3.5 micron lightcurve (GROND, NTT, VISTA, VST, FORS, HAWKI, NACO)



Stargate

P.I. N. Tanvir

- Collaboration for GRB afterglow spectra @VLT (X-shooter / UVES / FORS) RRM or ToO
- Long-lasting European collaboration
- weekly shifts
- quite open to new participants, but with EFFECTIVE contribution