



PhD SST
Space Science
and Technology



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DI TRENTO**



VHE GRBs

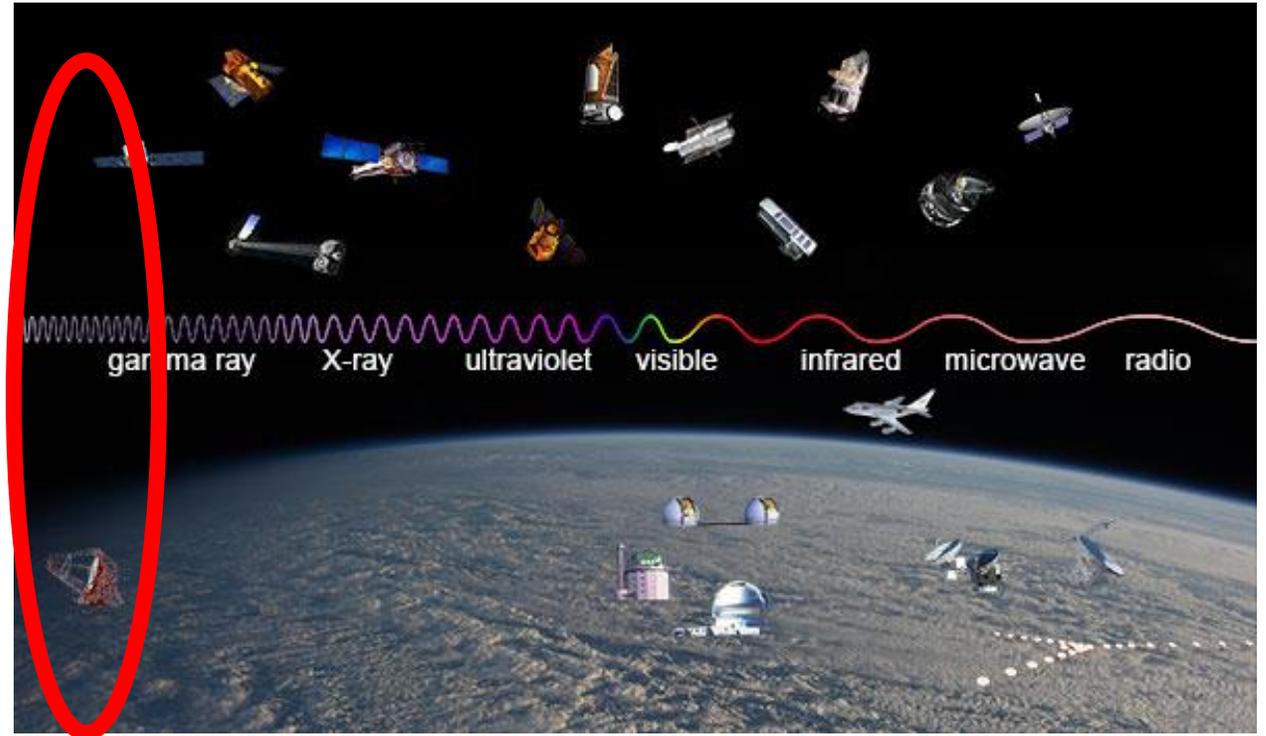
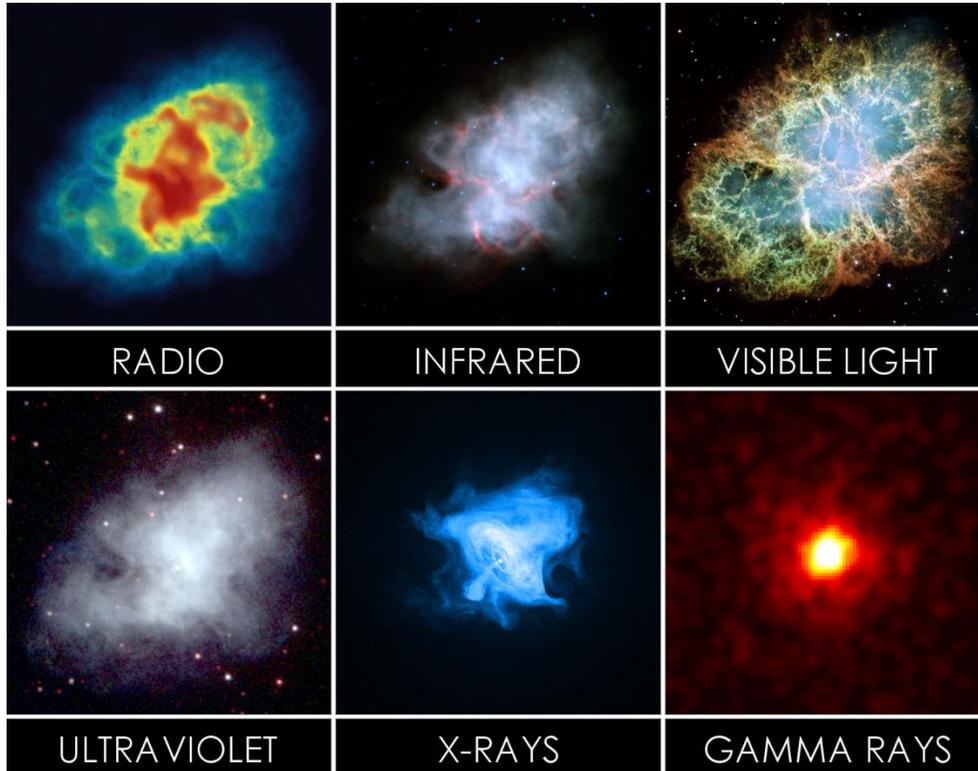
Samanta Morales Sanchez de Lozada
PhD student: SST UniTN– INFN Trieste



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Credits: NRAO/AUI and M. Bietenholz; NRAO/AUI and J.M. Uson, T.J. Cornwell (radio); NASA/JPL-Caltech/R. Gehrz / University of Minnesota (infrared); NASA, ESA, J. Hester and A. Loll / Arizona State University (visible); NASA/Swift/E. Hoversten, PSU (ultraviolet); NASA/CXC/SAO/F.Seward et al. (X-rays); NASA/DOE/Fermi LAT/R. Buickler (gamma rays)

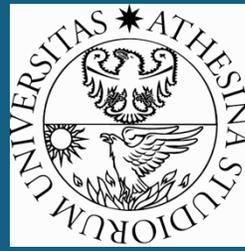


My research is centered here!

Credit: Observatory images from NASA, ESA (Herschel and Planck), Lavochkin Association (Specktr-R), HESS Collaboration (HESS), Salt Foundation (SALT), Rick Peterson/WMKO (Keck), Gemini Observatory/AURA (Gemini), CARMA team (CARMA), and NRAO/AUI (Greenbank and VLA); background image from NASA



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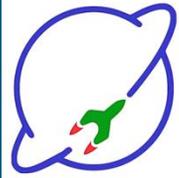


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[Credits:Urs Leutenegger](#)

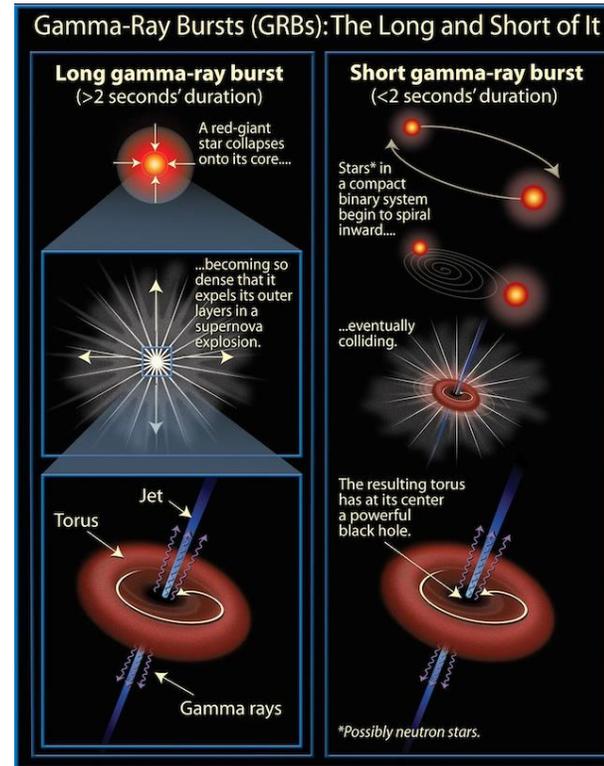
**MAGIC+LST-1
NIGHT SKY La Palma**



GRB and VHE

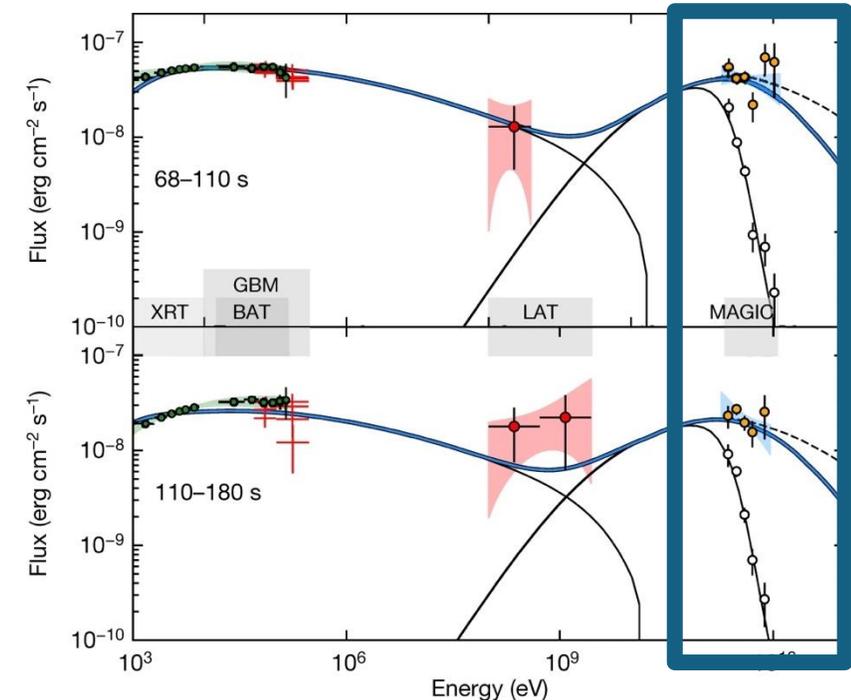
4 detections

- GRB 190114C – MAGIC
- GRB180720B – HESS
- GRB 201216C – MAGIC
- GRB 190829A – HESS



GRB190114C

SSC part

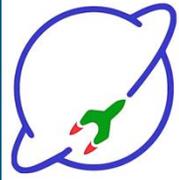


<https://doi.org/10.1038/s41586-019-1754-6>

<https://science.nasa.gov/wp-content/uploads/2024/07/hubble-grb-graphic-stsci-01evveqa13sc68fkxhw8gt4897.jpg>

Thank you for your attention and for the opportunity! 😊

BAKUP



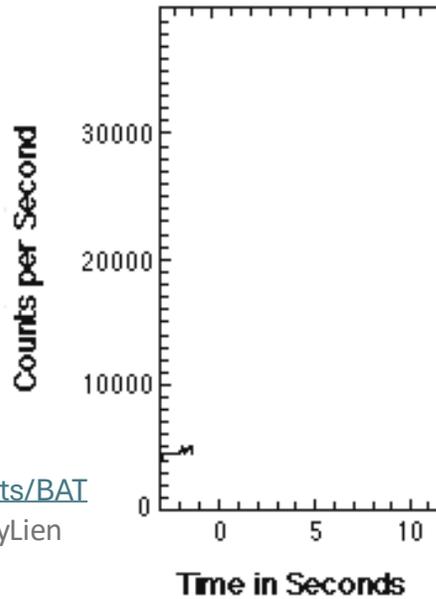
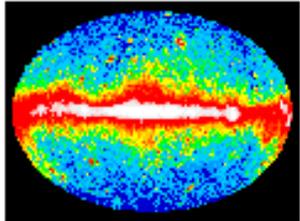
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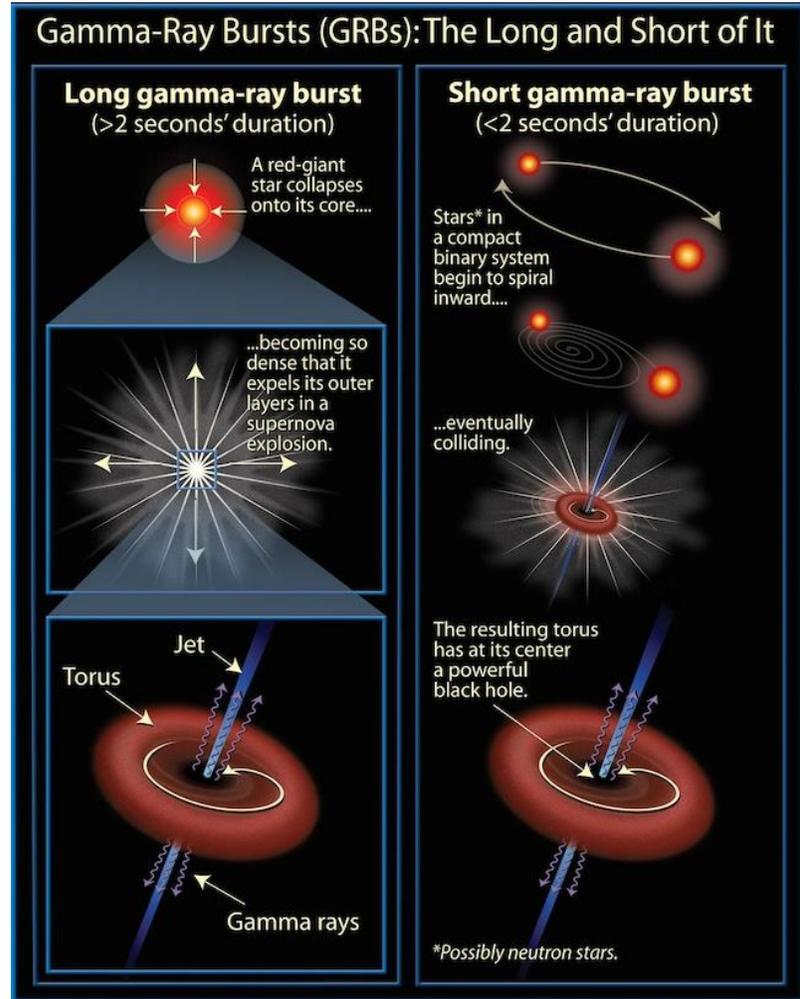
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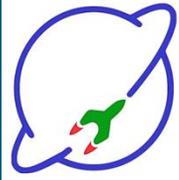
GRB and VHE



<https://swift.gsfc.nasa.gov/results/BATbursts/amyweb/GRBs.html> - AmyLien



<https://science.nasa.gov/wp-content/uploads/2024/07/hubble-grb-graphic-stsci-01evveqa13sc68fkxhw8gt4897.jpg>



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