JORNADAS LIP 2020

16th february













STRATOSpheric **POL**arimetry with **C**admium Telluride **A**rray

HOW DID IT START?



Coimbra's Academic Association Astronomy Section



REXUS/BEXUS
Student Experiment Programme

The REXUS/BEXUS Programme

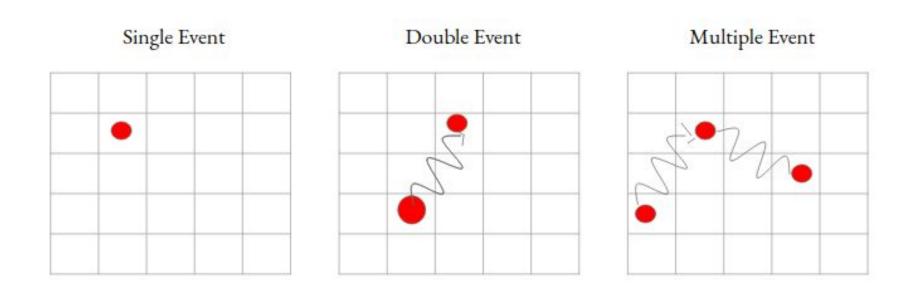


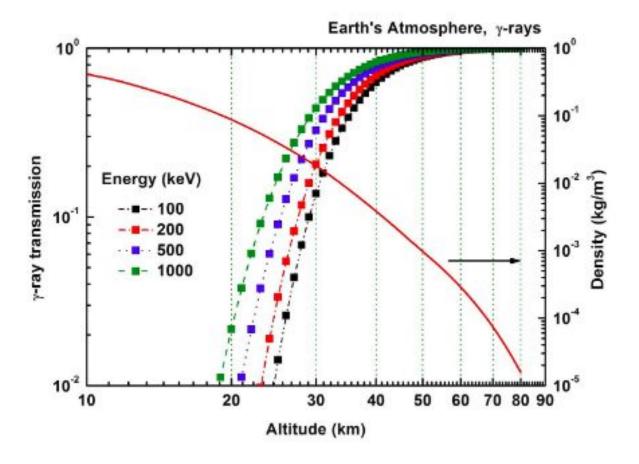


BEXUS REXUS

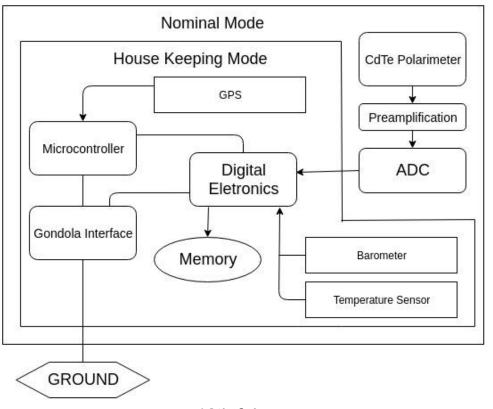
WHAT WAS THE PROPOSAL?

Measure gamma-ray background noise-level as a function of altitude and the multiplicity of the events





EXPERIMENT CONCEPT



THE DETECTOR



HASP - SSGX	STRATOSPOLCA
Measure the rate of single, double and multiple events for polarimetry in high-energy astrophyshics.	Measure gamma-ray background noise-level as a function of altitude and the multiplicity of the events
2x4 pixels 1.6 cm² area 10 mm tickness	5x5 pixels 20 cm² area 10 mm tickness





WHAT COMES NEXT?

THANK YOU!