

Polarisation fraction expected for different models of GRBs :

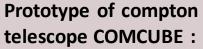
- Monte Carlo simulations
- 4 emission models implemented for a simplified jet so far

GRB polarimetry with a CubeSat mission : COMCUBE

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Simulating GRBs and the instrument response :

- Sensibility to polarisation: Minimum polarisation detectable
 - Should detect 2 GRBs with a polarisation of at least 30% or 9 with a polarisation of at least 50% (for a 3 CubeSats constellation)



- Test of a prototype of gamma telescope with a stratospheric balloon flight:
 - Test in Timmins (Canada)
 - Altitude: 36km
 - Duration: 8h
 - Objectives :
 - Preparing a transatlantic stratospheric balloon flight
 - Testing the prototype with high altitude conditions

