



### Polarisation fraction expected for different models of GRBs :

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



### Prototype of compton telescope COMCUBE :

- 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

## 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)

