



G.R.A.M. (GAMMA RAY ACCURATE MAPPING)



SCHOOL: WASHINGTON LIBERTY HIGH SCHOOL

LOCATION: ARLINGTON, VA

FLIGHT PROVIDER: UP AEROSPACE

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We're adapting a muon detector, originally conceptualized by MIT students, to detect a range of radiation in low earth orbit. Our data will be composed primarily of muons at low altitudes and cosmic ray protons at high altitudes. We'll use two detectors. When one particle passes through the top detector and is recorded, the second will also be notified to detect the particle. This data will provide information on the location and abundance of radioactive particles in the altitude of the flight.