

Rymdfysik/Space Physics—Project

An individual project should be presented in at most five written pages and orally in 20 minutes. The written presentation can give 4 points and the oral 2 points, which are added to the points for solved problems (6 problems, 3 points each) at the examination. Only projects presented before the examination are included.

1. Sample project topics:

1. The interior of the Sun.
2. A protons way from the Sun to Umeå.
3. History of auroral research.
4. Whistler waves.
5. Magnetic storms.
6. Measurements of particle fluxes in space.
7. Measurements of electric fields in space.
8. Space electronics.
9. A comparison between the magnetospheres of Jupiter and Earth.
10. Celestial mechanics for interplanetary space flight.
11. Radio waves in the ionosphere.
12. The atmospheres of different planets.
13. The moons of the planets.
14. Plasma in the ionosphere—ionization and recombination.
15. The solar wind.

You are of course welcome to suggest your own project as long as it is related to the course!