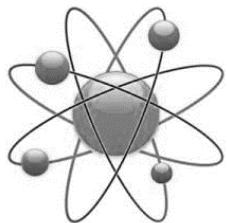


PHYSICS & CHEMISTRY

DNL / 2NDE



THEME 1: ASTRONOMY

Session 1 : Observing time proposal

Work to do: write an observing time proposal

Observing Time Proposal

An observing time proposal (OTP) is a procedure by which astronomers submit an observing program to an observatory, requesting an allocation of observing time on one or more instruments.

This request details the targets the astronomers wish to observe, the duration, dates, and instrument(s) of observation, the reason (justification) for observing these objects, the justification for the need for the requested instrument, and how they intend to analyze the data. A panel of judges then convenes to select the best proposals.

For large instruments, the OTP targets a period of 6 months.

Source: Wikipedia

Questions:

Q1. With the help of the two websites below, find :

- The coordinates of the Observatory of Haute-Provence, where is situated the telescope
- Exoplanets that can be observed at the dates that have been planned.

<http://var2.astro.cz/EN/tresca/index.php>

<http://iris.lam.fr/>

Q2. Search for informations on these exoplanets (characteristics of its star around which the exoplanet orbits; the constellation where it can be observed, its coordinates (RA or Right Ascension, DE or Declination), its period, the transit duration, etc...)

Q3. Write an observing time proposal (20 lines max)