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Astronomical spectroscopy
for research, industry, education and leisure.

Newsletter 2019 #3

Few days ago, the **2019 Nobel Prize in Physics** was awarded to Michel Mayor and Didier Queloz for their discovery in 1995 of the first exoplanet (51 Peg b), at the **Observatoire de Haute-Provence** (OHP). This award is an exceptional message for the astronomical community, amateur and professional.

The observation of the movement of 51 Peg b was repeated in 2009 by **Christian Buil with** an eShel spectroscope (find his observation report of 51 Peg b). That is to say that only 15 years after a major discovery of science, the same measurements were **within the reach of amateur astronomers**.

This tells us forcefully that the research work that we all carry out together, modestly, but with passion and determination, is **at the forefront of the knowledge of humanity**. By using spectroscopy in our astronomical observations, we work to better understand the world around us; it is the deep motivation of all our actions, individual and collective. This concerns the work on the instruments, as well as their use on the sky, or the scientific exploitation of the results.

Icing on the cake, the discovery of 51 Peg b was made at the OHP... where we organize each year our traditional "**Spectro Star Party**", whose 2019 edition was still a great meeting.

François Cochard, October 27th, 2019

Spectro party OHP 2019

The 2019 edition of the "Spectro Star Party" was again very rich in meetings and exchanges.

The attendees in 2019

More than 50 attendees from 9 different countries.

The observation site

27 different setup with LISA, LHIRES III, eShel and l'UVEX III spectrographs.

Read the article

The Shelyak Instruments team expands

We are pleased to welcome Philippe Egea, who joined the Shelyak team early October. With a mechanical engineering background, he takes in charge the design of the new products.

The arrival of Philippe is an important step in the development of the company: we've a lot of projects and the coming months will get announcements for new instruments.

It is now a team of seven people working for Shelyak Instruments, not to mention the volunteer contributors who help us regularly.

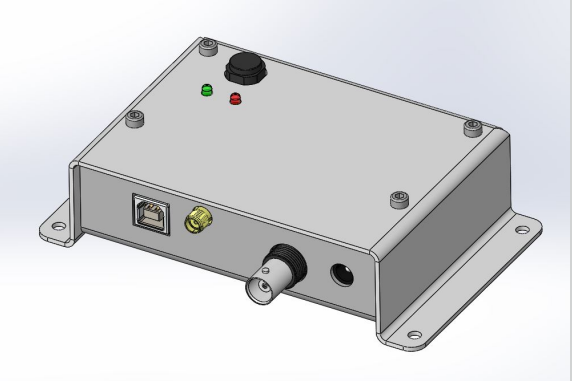
Demetra, new version

Demetra is currently THE software that allows a simple and efficient operation of the Alpy 600.

A new version of Demetra Alpy software (V 4.2.0.0.) is available.

Download Demetra

TimeBox



Measurements of star occultation by asteroids, a very active part of amateur astronomy, requires accurate images dating within a few milliseconds near universal time (UTC). Most of the current observations are made using analog cameras and a time inlayer. In recent years, Cesar VALENCIA GALLARDO worked on the development of a solution for digital cameras, the TimeBox, which provides control of your PC's clock or triggers directly your camera with the necessary precision. Since a few weeks, we are working with Cesar to propose an industrial version of this device. In the near future, we will be able to present you in more detail, the "TimeBox by Shelyak" which will open a new step in the stellar occultation measurements.

More information on the official timebox website.

Users testify

What better way than letting our "customers" (who are also friends!) talk about spectroscopy and instruments from Shelyak?

David Antao, amateur astronomer

Study of a spectroscopic binary with amateur setup

Read this article

Forrest Sims, amateur astronomer

How I go about planning the acquisition and logging of stellar spectra?

Read this article

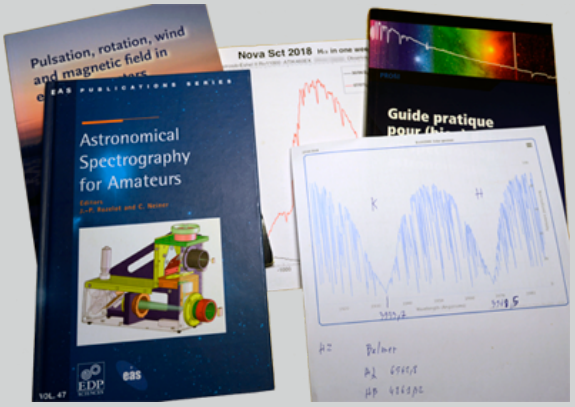
Our papers about spectroscopy

Shelyak Instrument regularly carries out papers on spectroscopy, on the use of our instruments as well as reports of observations.

Some our last papers :

The whoppshel in action on a 60 cm telescope

Spectro party OHP 2019 : retrospective



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