Astronomical spectroscopy
for research, industry, education and leisure.

Newsletter 2020 #1

We live in an strange time. On one side we are in a world full of turbulences and uncertainties, difficult to decode. On the other hand we discovered every day **significant progress** in research and technology, which open up fascinating horizons for our discipline, Astronomy.

In this context, we work within Shelyak to make the most of new **opportunities** that occur; remaining vigilant on the more dark side.

A good example of progress is the evolution of cameras with the replacement of CCD sensors by CMOS sensors, which leads us to update our offer (see Olivier Garde's article on autoguiding cameras).

In addition to the technical developments discussed in this letter, please note that registrations are open for the next **Spectro Star Party at OHP**. It is always a great moment to meet people and to share our best practices.

Thanks to all of you, and with the daily exchanges we have all over the world, we move forward ; in a world that is said more and more closed on itself, I can attest that **commitment and solidarity** still produce beautiful results!

François Cochard, February 26th, 2020

The timebox is available!

It's with great pleasure that we announce the release of the **TimeBox**. This device allows to make **measurements of stars occultations**

with any digital camera.

This is an important product for us: we are not at the heart of the usual Shelyak activity (spectroscopy), but it's been a long time since the stellar occultation observers said their need to pass on digital cameras. Caesar Valencia-Gallardo works has made it possible to create a ideal product.

We had fun working with Caesar to industrialize this product. Shelyak Instruments is well in its role of supporting the proposing of this device.

See the product

Spectro party OHP 2020

The Spectro Party 2020 edition will take place from 12th to 17th August 2020 at the Observatoire de Haute Provence. It is a great moment of meetings and conviviality.

Sign up quickly: there are only a few places left.

The attendees in 2019

The observation site

Register

Demetra 5.1 : A major development

A few weeks ago, we announced the release of Demetra version 5.1. It is a **major evolution** of the software: we now have the tool we dream of for years to help **spectroscopists**, and make their life simpler along the whole observation process without compromising the scientific quality of the result. At the end, you get great graphs that **highlight** our observations.

The new features of this version are described HERE

The **video** below quickly shows Demetra.

And you can find the first tutorials on our Youtube channel.

(If the video does not work click HERE)

Download the new version

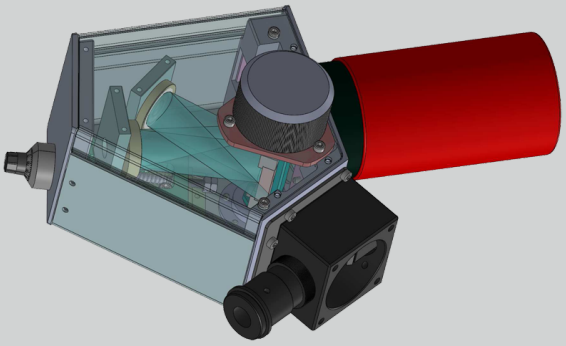
Demetra for LISA and eShel

Thanks to the work of few **motivated observers**, we created a BETA version of Demetra for the **LISA**. In addition, the **eShel** version is also in the BETA-test phase. The official versions will be published very soon. Contact us if you wish to participate in the tests.

Ask for Demetra Beta-test

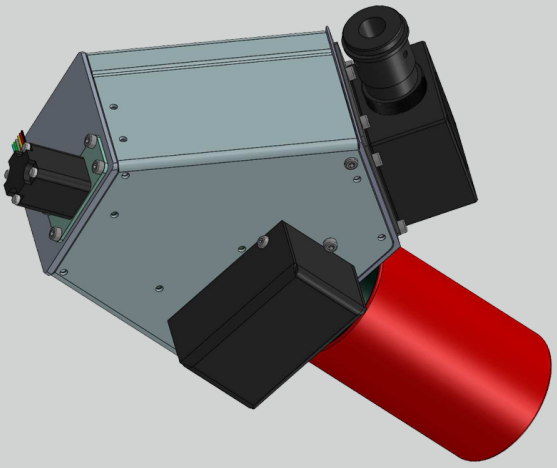
UVEX : A prototype soon

The development of the industrial version of the UVEX spectrograph is moving on rapidly. The basic version will allow manual use, and optional modules will allow full remote control.



UVEX manual version

The manual version contains the features of the version in 3D printing but in a remodeled metal housing, with fine settings of the focus and grating angle.



UVEX motorized version

Optional modules will allow control the focusing distance and the grating angle of the spectrograph.

Ask informations

A meteorite discovered thanks to the Fripon / Prisma network

The bolide was seen by 8 cameras of the Italian network Fripon (Prisma). The reconstruction of the trajectory allowed the discovery of the meteorite.

Meteorite found in Italy

The meteorite discovered has a mass of 55,3 g

Fripon camera

Fripon, a camera design by Shelyak Instrument

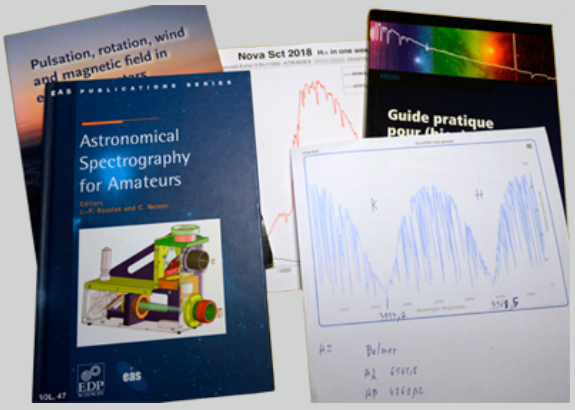
More than hundred cameras Fripon were installed in
France, Italy, Romania, and several other European countries.

Learn more

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 :



[How to choose your autoguiding camera in 2020?]

[TimeBox : To accurately measure an occultation]

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Shelyak Instruments

73, rue de Chartreuse, 38660 Le Versoud
France