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Report on the Asterics projects CORELib and ROAst

In this talk will be introduced the Asteriscs program and presented the status of two Asterics projects: CORELib and ROAst.

CORELib (Cosmic Ray Event Library) is a collection of simulations based on CORSIKA featuring a common set of physical parameters in order to achieve a common high statistics production. Will be discussed the pilot production, the framework used to achieve this productions and finally the productions on going.

The ROOT analysis framework is one of the most used software for the analysis and indeed it is the ldquo;de factordquo; standard for high-energy physics. The goal of ROAst (ROot extension for Astronomy) is to extend the ROOT capabilities adding packages and tools for astrophysical research.
In this talk will be showed the present status of the library, the requirements and will be gathered suggestions for the future development of the library.

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