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An EAS Browser Display

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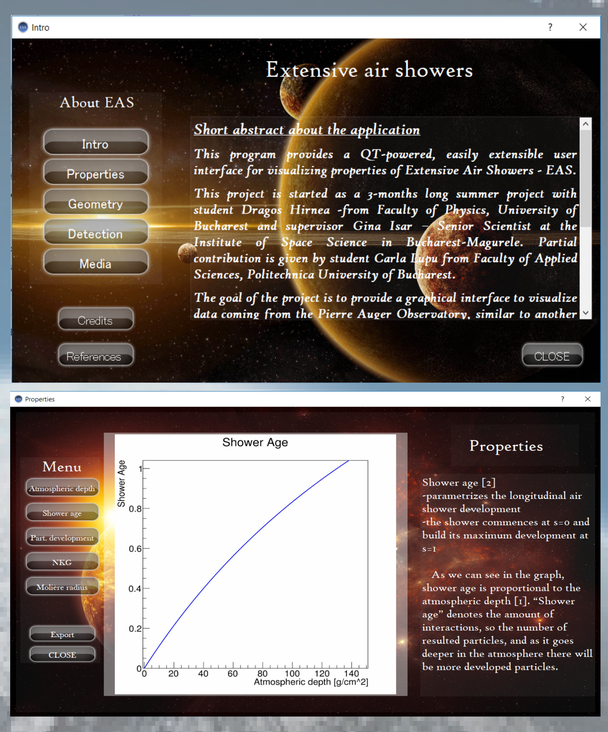
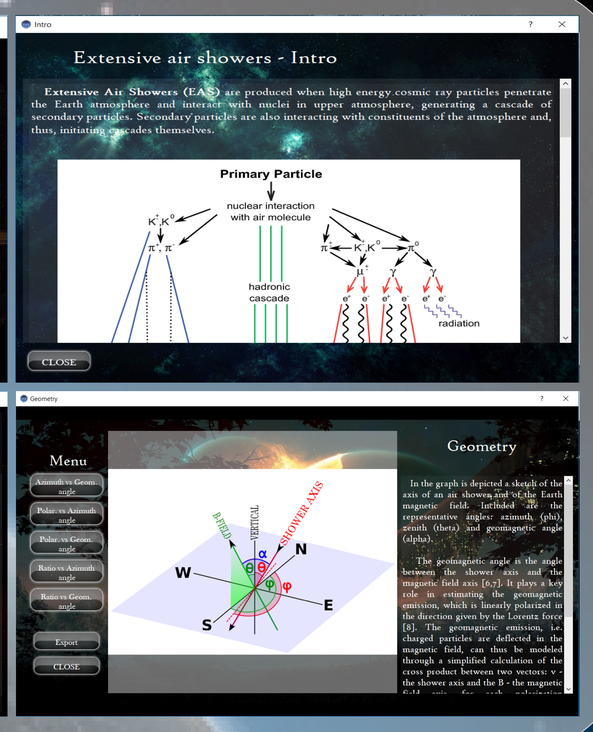
What are Cosmic Rays Air Showers?

A ultra high energy **cosmic ray**, after traveling trough space nearly at the speed of light, penetrates in the Earth's atmosphere and generates billions of secondary particles by a series of subsequent collisions with atmospheric nuclei, giving rise to a so-called Extensive Air Shower (EAS).

What is the EAS Browser aplication?

Our wish was to come into the help of students who want to learn about **cosmic rays** and need a simple way to start with. The EAS Browser v1.0 offers a friendly user interface with basic and accurate information about **Extensive Air Showers** and how one can further study and measure them.





What's next?

In the next version of our application, the **EAS Browser v2.0**, we want to offer to the user the possibility to interactively make his own analysis by either choosing the input parameters of the models that are currently described in v1.0, or by loading his own data files.

Work in progress

EAS Browser v2.0

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