## Usage instructions

The following instructions go over usage instructions for the auger-analysis program. They also explain individual parts of the source code and give instructions for adding new options to the program.

## 1.1 The graphical interface

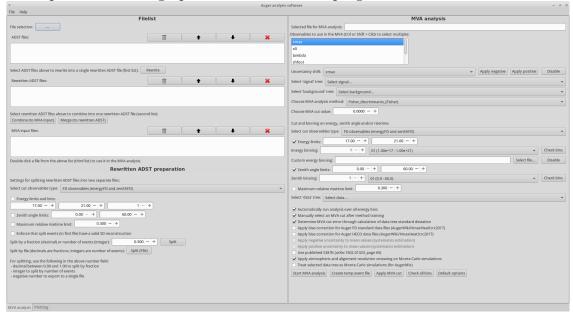
The GUI of the program for ADST version XrYpZ is executed with:

./start.sh vXrYpZ

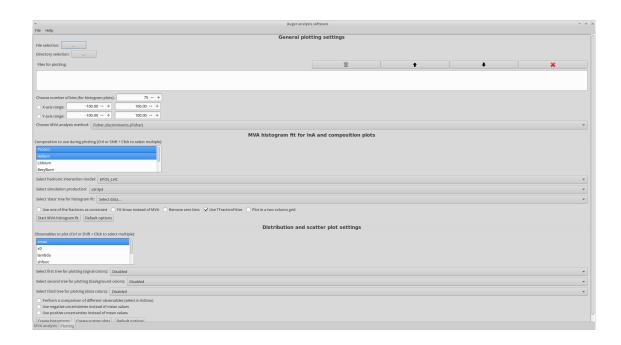
Note that standard output to the terminal might slow down the program considerably. It is thus advised to save the standard output into a file with:

./start.sh vXrYpZ > results/printout.txt

This opens the initial graphical interface of the program:



Moving to the Plotting tab in the bottom left, we get to the plotting part of the program:



## Bibliography

- [1] ROOT data analysis framework, https://root.cern.ch.
- [2] wxWidgets cross-platform GUI library, https://www.wxwidgets.org.
- [3] S. Argiro, et al., The Offline Software Framework of the Pierre Auger Observatory, arXiv:0707.1652 (1998).
- [4] Toolkit for Multivariate Analysis (TMVA), http://tmva.sourceforge.net.