



# Euso Simulation and Analysis Framework

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The above study item having your partial result that can be later on retaken for further investigation or to continue

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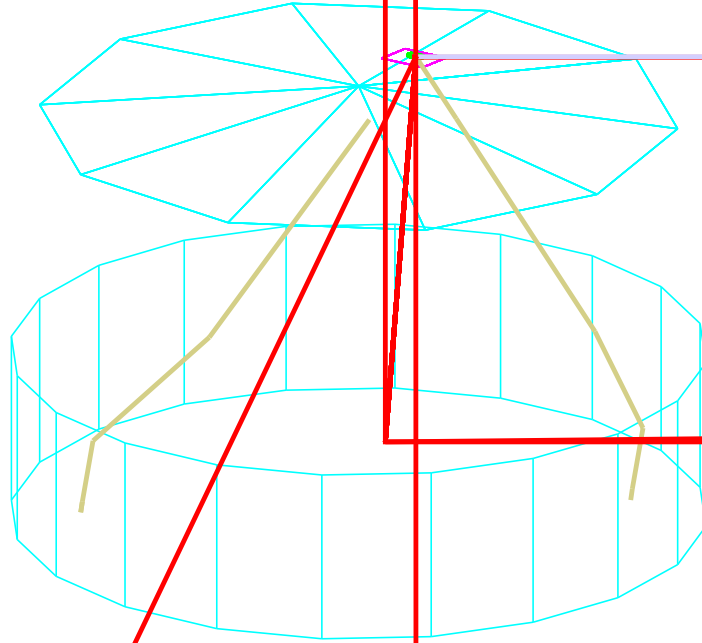
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of the class `TRandom3`. Each element of ESAF gets flat or Gaussian or Poisson distributed random number from the class.

- **Interface and Application** The main Graphical

`EusoMainFrame` is the root class (method and operation), and it is the main application program and window (`EusoApplication`). Actually ESAF IS an interactive root project which inherits of `EusoApplication` from class `TRn`.


- **Graphics and Event display** A simple event display of the detector simulation is available, that is the root graphic tool. The detector optical surface is drawn together with the pattern done by each

proton.

- **Event and ETree** The simulation output is stored in a root file in the form of a `ETree` of `EEven` object. The class `ETree` inherits from `TTree`. The class `EEven` contains all the output data for each





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