

# Ray-Tracing Code TRAVIS

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## ❖ Features:

- ✓ multi-beam code: arbitrary number of beams from different ports can be calculated by one run
- ✓ ray-tracing eqs in weakly relativistic approach (Westerhof-Tokman model)
- ✓ absorption and CD in fully-relativistic approach (but Green's function in weakly relativistic appr.)
- ✓ CD with parallel momentum conservation in e/e collisions

## ❖ Present stage:

- ✓ Adapted to the 4.09a version
  - one danger misinterpretation of the Equilibrium CPO in TRAVIS was found and removed, but not yet well benchmarked
- ✓ KEPLER-actor has been generated: the test-runs seem successful 😊

## ❖ not yet done:

- ✓ xml-format for the input file
- ✓ verification of the KEPLER-actor
- ✓ documentation of the code



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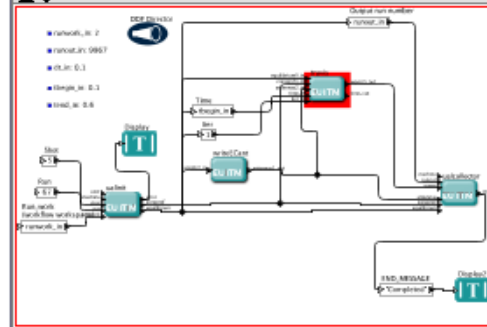
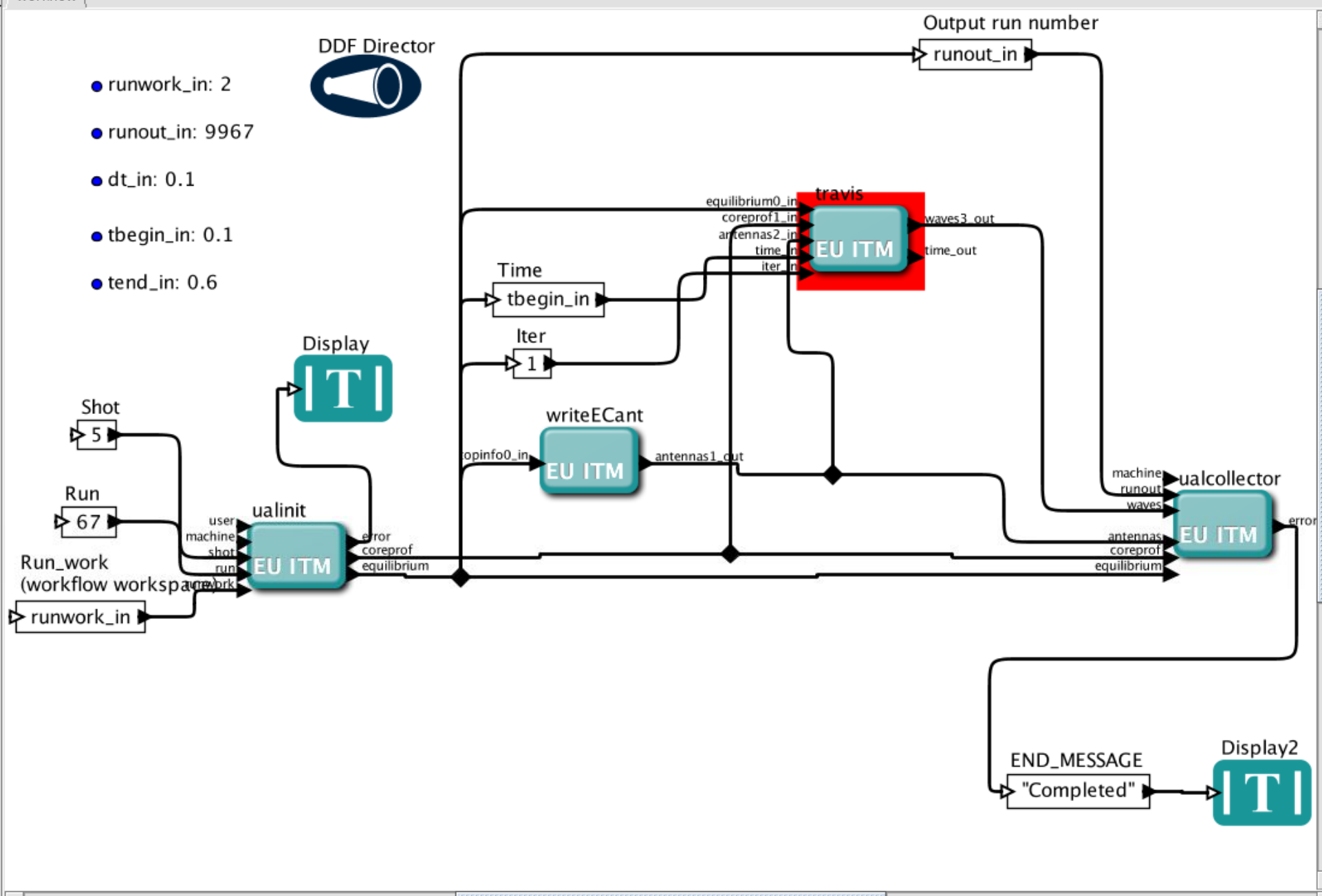
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