Success and Lessons Learned from V20

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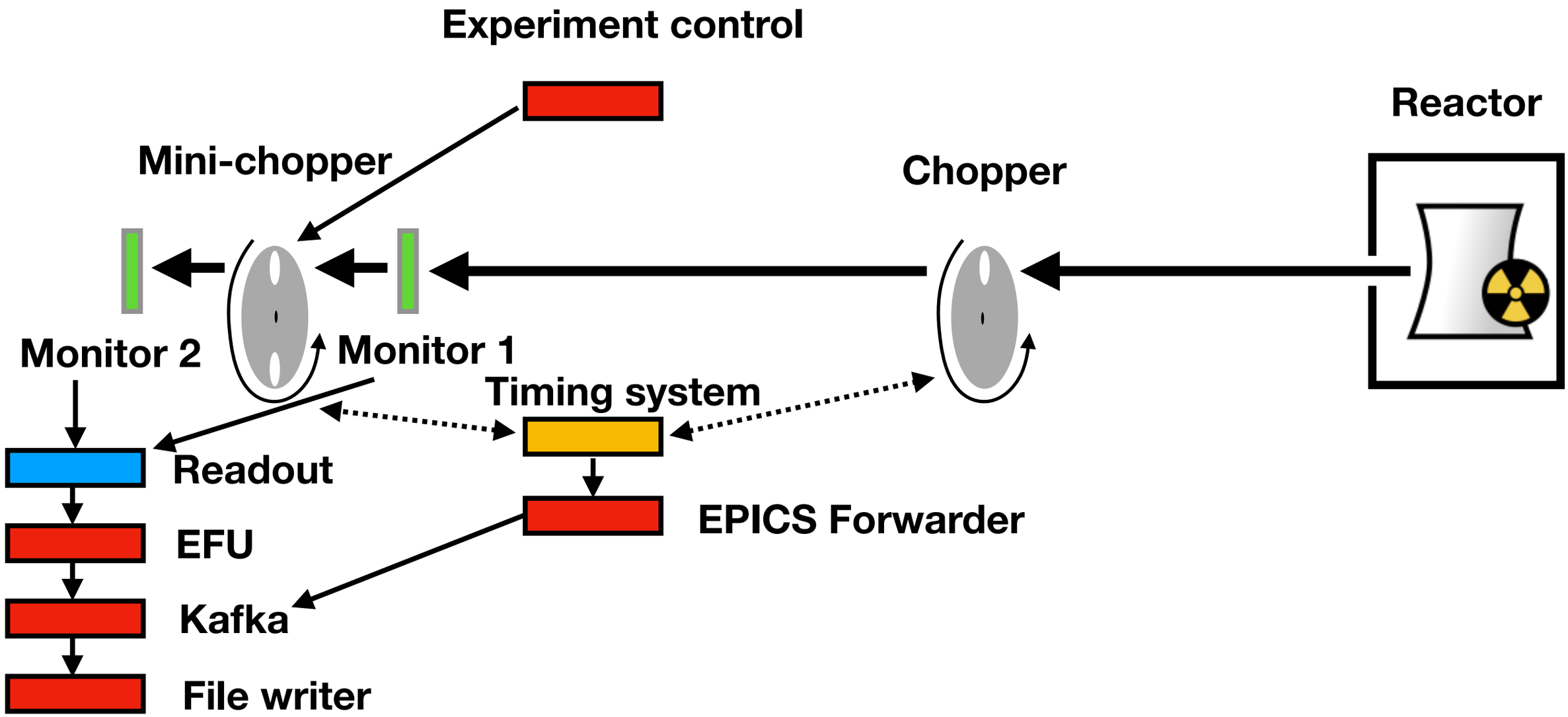
Integration test at the V20 beam-line (HZB)

DMSC ECDC Goals

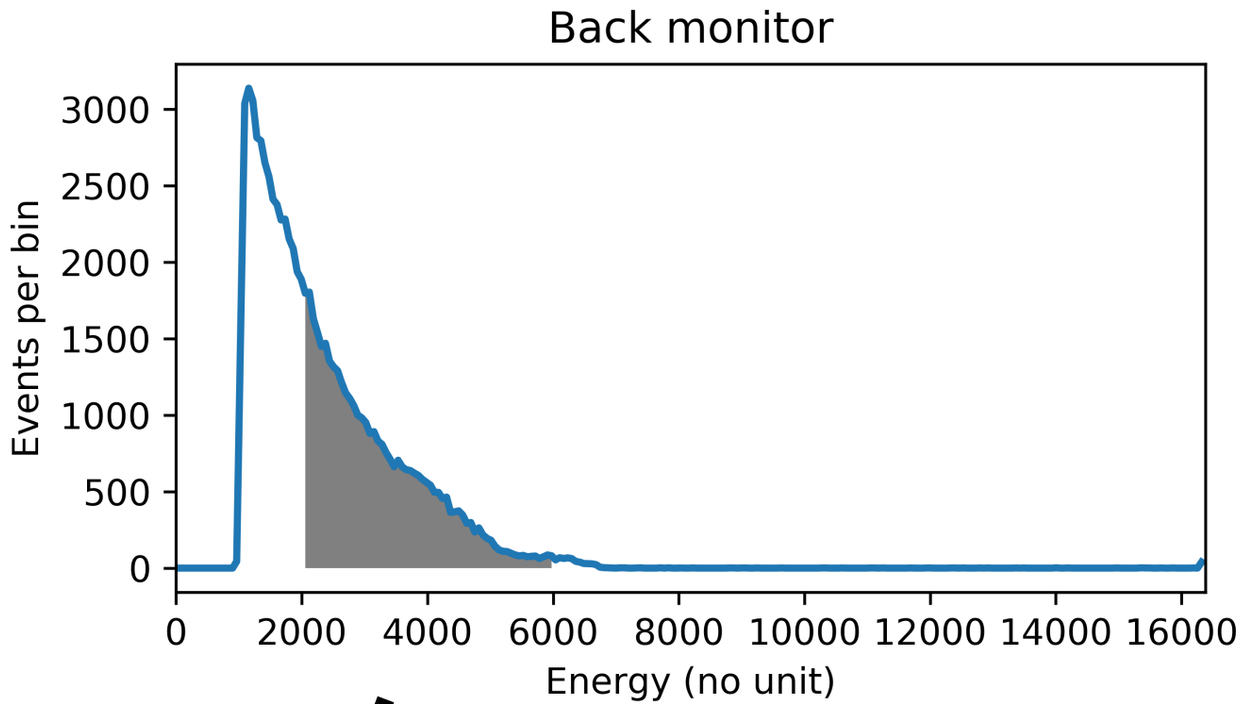
- Get detector (monitor) events ✓
- Get chopper timestamps ✓
- Write events and time stamps to file ✓
- Create a time-of-flight plot ✓
- Control the choppers using NICOS ✓

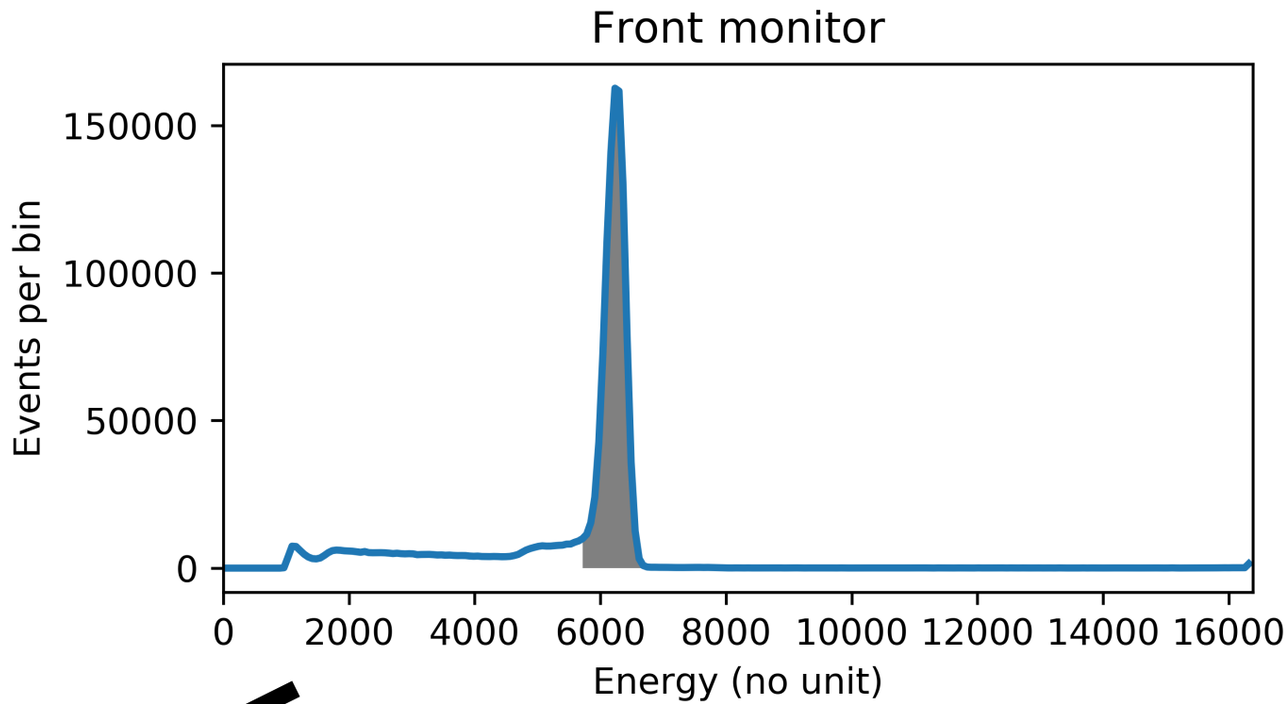
V20 beam-line at HZB

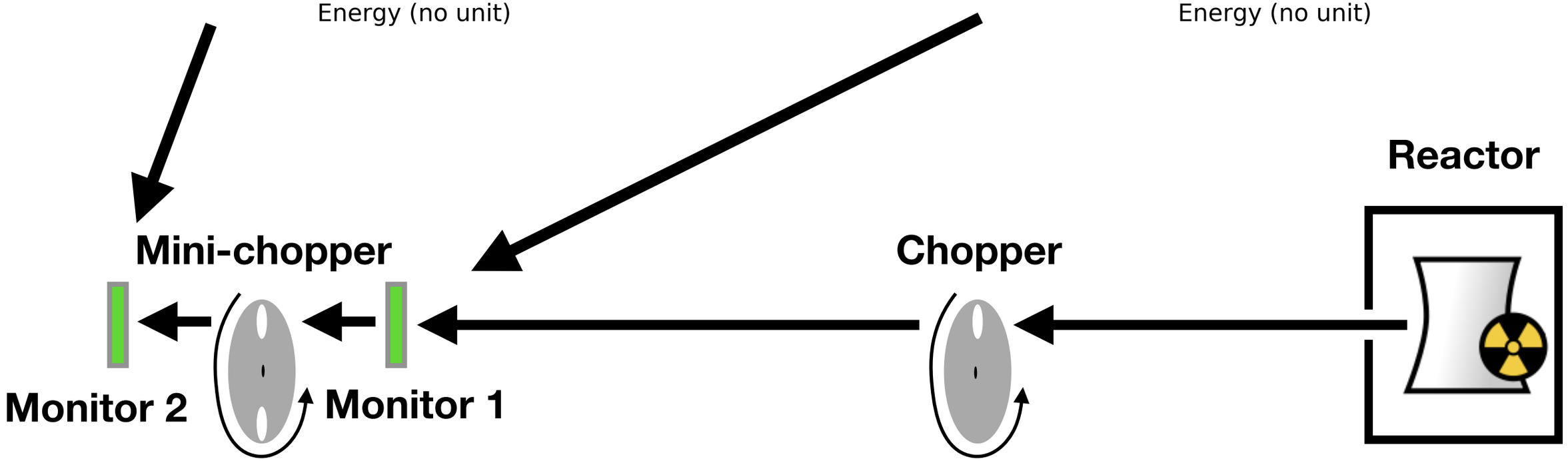


Measurement results

Energy distribution

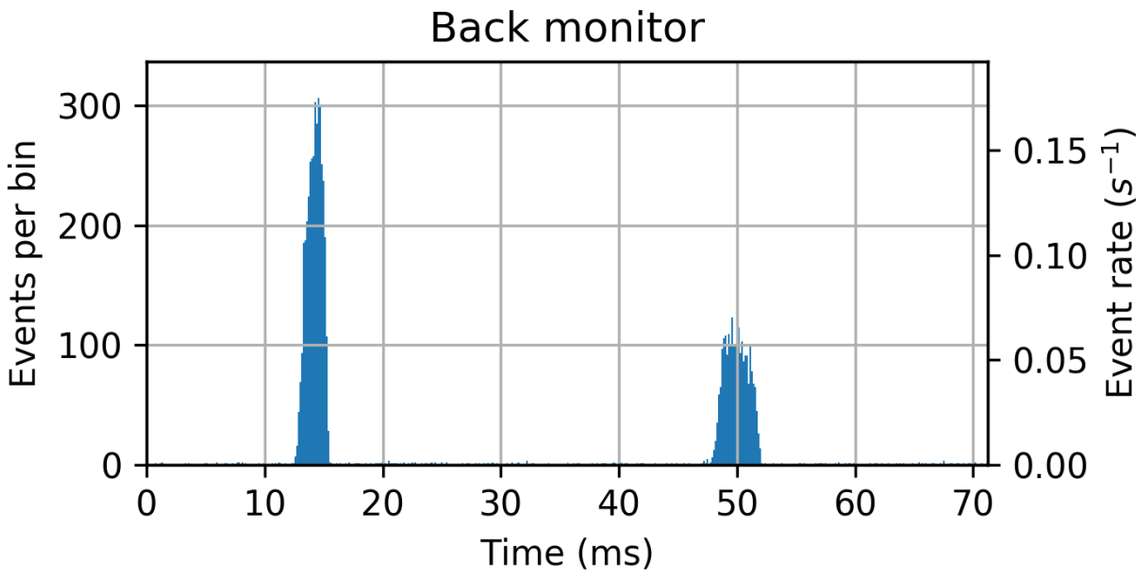


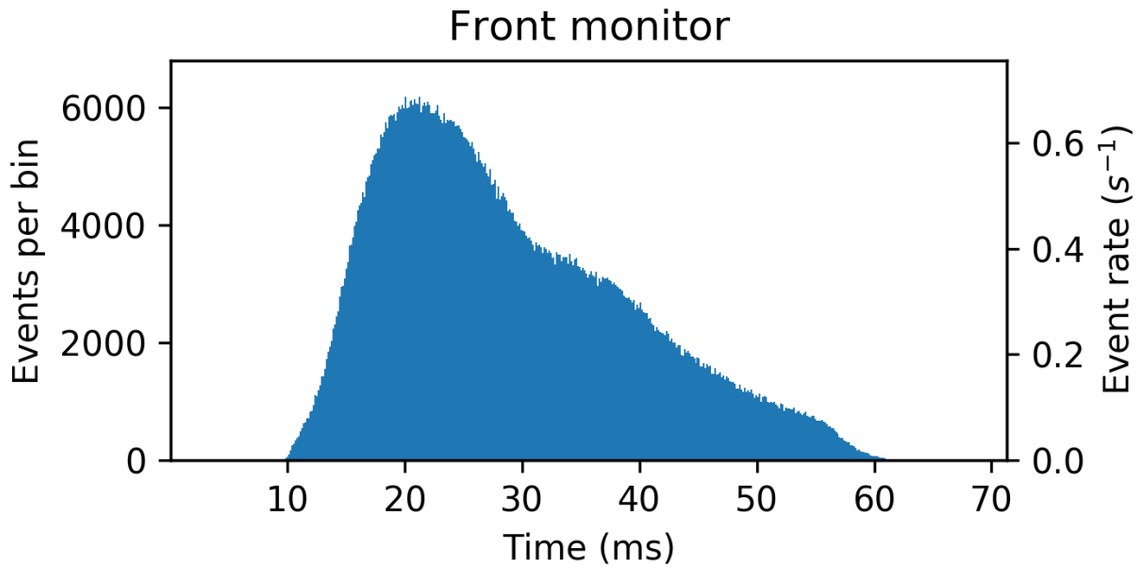


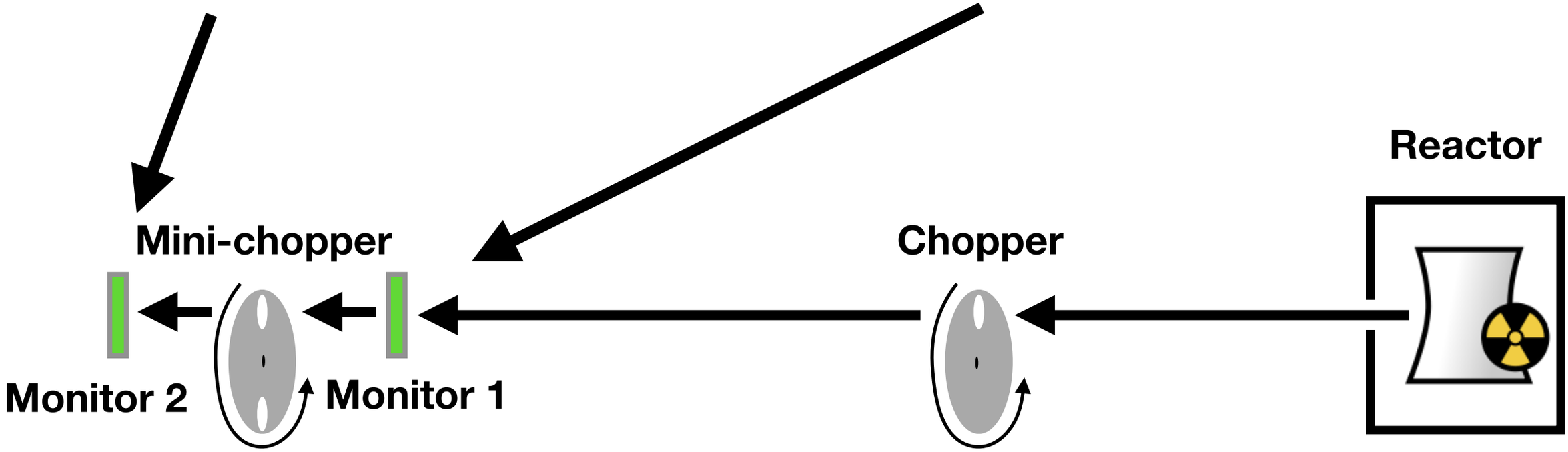


Measurement results

Time of flight

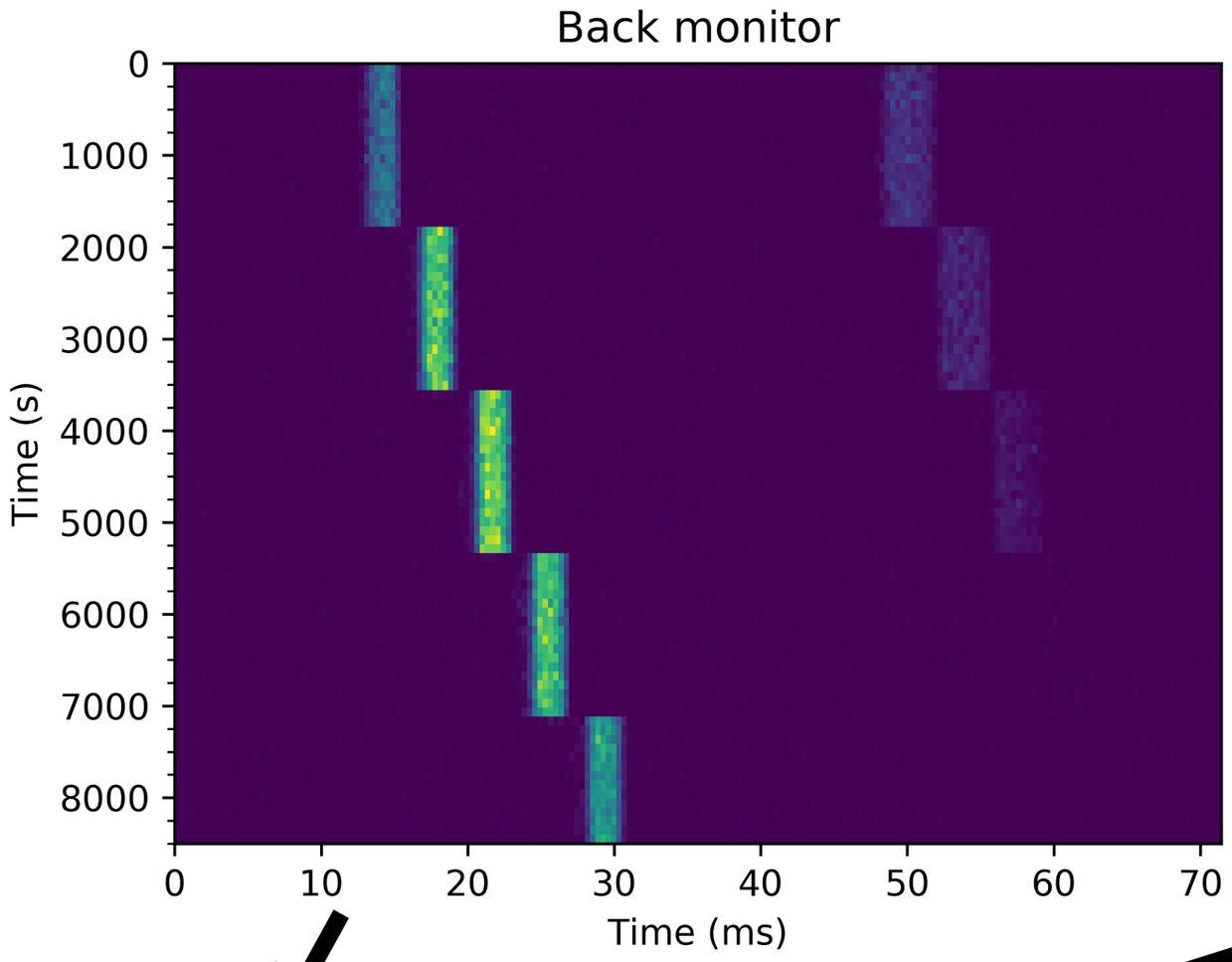


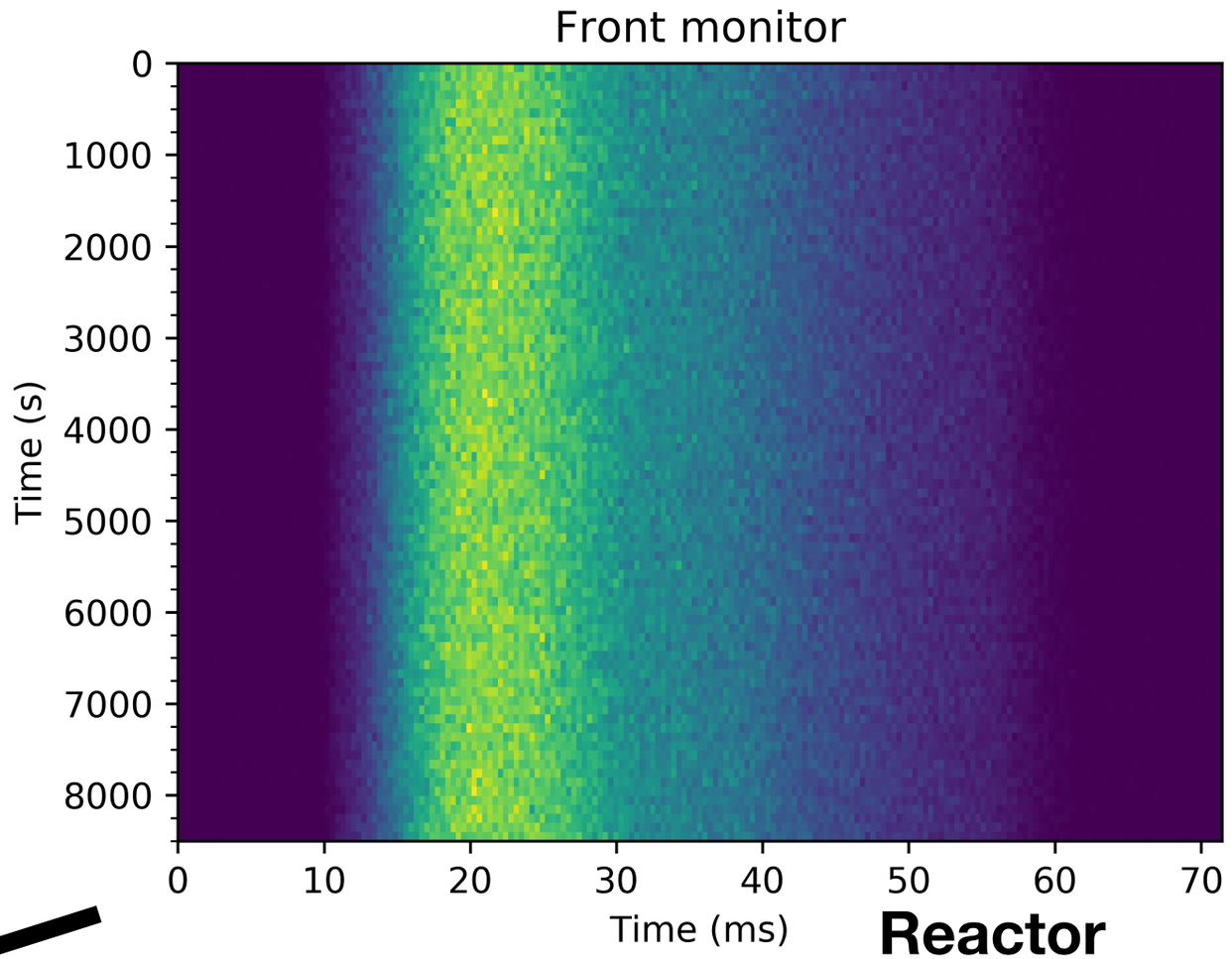


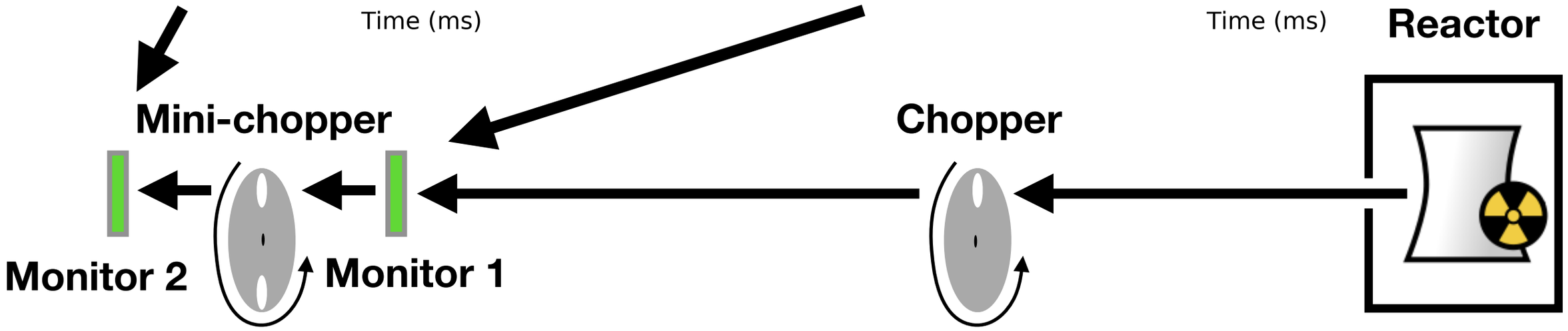


Measurement results

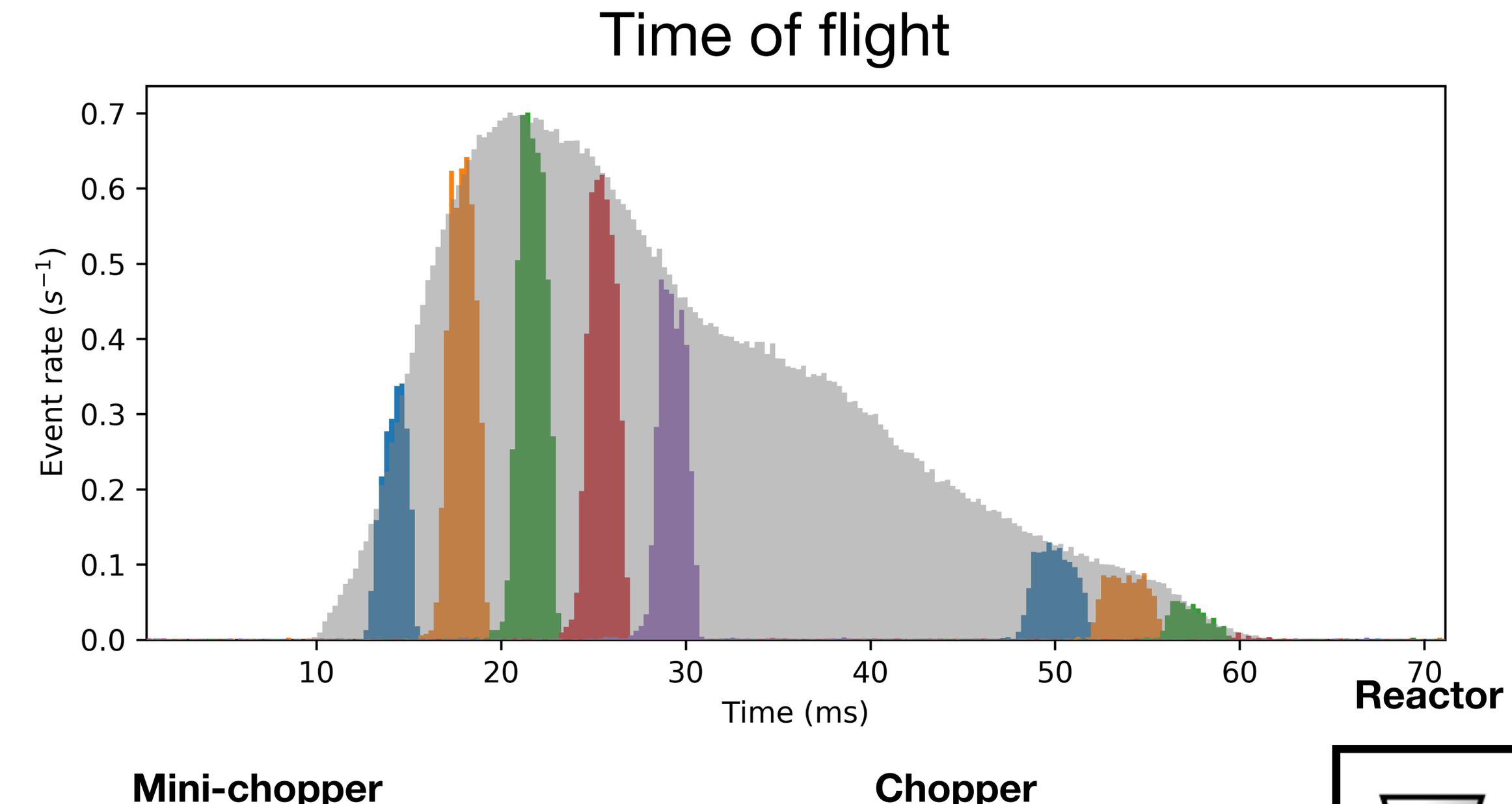
Time of flight

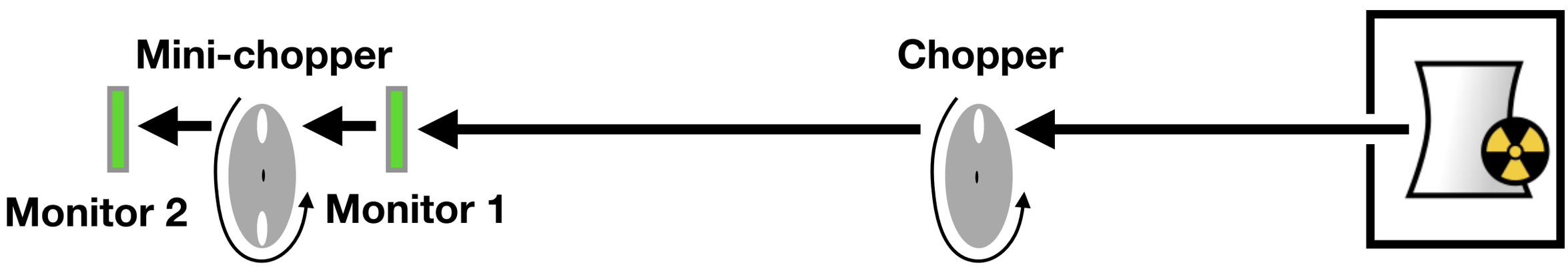






Measurement results





Conclusion

- A number of expected and unexpected issues were encountered
- Most issues traced to lack of testing or unfinished development work
- **The tests were a success**
    - *however*
- Our systems are not yet production ready

Continuation of integration testing of hardware and software is essential to success