**Atomicity**

Within the PML, some code requires atomic execution (Manticore-level signals masked). Currently, this is done with atomic_begin/end calls and “verified” by a naming convention on the functions to indicate whether they do or do not need to start in an atomic region and whether they will or will not end in an atomic region. We would like to extend this with a flow analysis (similar to the CFA extensions in BOM that were created for the CML channels) to statically ensure the requested properties.