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<td>2063</td>
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<td>CkCallback::ckExit does not work with interop mode</td>
<td>Eric Mikida</td>
<td>03/28/2019 05:10 PM</td>
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<td>Don't force -lcudart just because cuda.h was found during configure</td>
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<td>Support parameter marshaling for section broadcast</td>
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<td>Communication performance degrades after successive load balancing when migrating many objects</td>
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<td>Inconsistent CPU affinity options for running SMP programs</td>
<td>Laxmikant &quot;Sanjay&quot; Kale</td>
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<td>Revise agreement to cover github distribution and license to address all commercial use cases and GitHub Distribution</td>
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<td>AMPI ROMIO build error</td>
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<td>OD and AtSync may not work well together</td>
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<td>Examine the converse header fields for all layers and remove/reduce fields wherever applicable</td>
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<td>Add +isomalloc_sync build-time options</td>
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<td>Add [whenidle] to simplify speculative execution</td>
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<td>pamitruts machine layer is less performant than pami machine layer</td>
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<td>Ensure zero copy API transfers are included in CommLB</td>
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<td>Perfect forwarding support is broken for templated entry methods</td>
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<td>10/29/2018 04:02 PM</td>
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<td>Documentation on Kokkos Interoperability</td>
<td>Jaemin Choi</td>
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<td>Add &quot;--enable-tracing --enable-tracing-commthread&quot; to an autobuild target</td>
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<td>Use of function pointers causes CkCallback errors in some ASLR environments</td>
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<td>+autoProvision ignores numactl_settings</td>
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<td>Distribute a Valgrind error suppression file that suppresses known RTS memory leaks</td>
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<td>Take advantage of streamable reductions inside CkMulticast</td>
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<td>Avoid msg creation when contributing a pointer to a streamable reduction</td>
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<td>ci files with extensive code blocks result in incorrect line numbering in syntax errors and in gdb</td>
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<td>Tests/examples for non-threaded Charm++ programs using Isomalloc</td>
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<td>Enable +isomalloc_sync by default for AMPI</td>
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<td>AMPI implements subcommunicators in an unscaleable fashion</td>
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<td>examples/charm++/TRAM/randomAccessGroup crashes on mpi-win-x86_64-smp with debug options (-g -O0)</td>
<td>Raghavendra Kanakagiri</td>
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<td>1958</td>
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<td>&quot;View&quot; -&gt; &quot;Display Legend&quot; is broken</td>
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<td>tests/charm++/sdag/migration and tests/charm++/sdag/anytimeMigration fail on mpi-win-x86_64-smp with debug options (-g -O0)</td>
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<td>tests/charm++/chkpt hangs for mpi-win-x86_64-smp</td>
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<td>Ensure that 'End of Program' message is printed consistently for every charm program execution</td>
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<td>CkStartQD never triggered, even though all all entry methods have returned.</td>
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<td>Add concept of exclusions to automated provisioning arguments</td>
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<td>Projections shows idle time for offloaded work from OpenMP pragmas</td>
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<td>Calls to chare array element entry methods can fail from [immediate] node group methods</td>
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<td>Enable immediate method tracing when CMK_SMP_TRACE_COMMTHREAD is enabled</td>
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<td>Make AtSync load balancing the default rather than periodic</td>
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<td>Reimplement CmiNumNodes et al using hwloc</td>
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<td>Review CMK_PQUEUE_LOCK and CMK_NO_ASM_AVAILABLE</td>
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<td>All load balancing framework should be off if we don't have any load balancers linked</td>
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<td>AMPI jacobi.iso crashes in migration on gni-crayxe-persistent-smp autobuild</td>
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<td>Custom array indices segfault in CkVec inside of LB framework</td>
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<td>By default display the time range with traces only</td>
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<td>Implement zero copy translation for move semantics and rvalue refs</td>
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<td>Simplify custom reducer registration</td>
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<td>Support HostBuffer shared memory allocation of one buffer per physical host at same address on all hosts</td>
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<td>Megampi hangs on multicore-linux-x86_64 with +CmiSleepOnIdle</td>
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<td>Ensure PPCAtomicQueue has proper alignment/padding on ppc64le</td>
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<td>SMP/non-SMP agnostic job launching arguments</td>
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<td>Reevaluate LBCommTable initialization</td>
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<td>uFcontext thread issue on ARM 64 bit systems</td>
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<td>Cleanup SDAG Closure refnum handling with enable_if</td>
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<td>Add +showcpuaffinity option to the charm++ manual</td>
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<td>Make AMPI's within-process messaging visible to Projections</td>
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<td>Add CkLoop Split Execution</td>
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<td>Support for partitions on netirts-linux-x86_64-tcp builds</td>
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<td>AMPI+OpenMP documentation &amp; example</td>
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<td>chkpt test hangs for pami-linux-ppc64le-smp &amp; pamlrts-linux-ppc64le-smp build</td>
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<td>Failure at LrtsInit with OFI build with gni provider on Edison</td>
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<td>tests/charm++/pingpong and examples/charm++/zerocopy/pingpong fail when run on 2 processes with an assertion failure on pamlrts-linux-x86_64</td>
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<td>pami-linux-ppc64le-async-smp programs crash on Summitdev with an assertion failure</td>
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<td>Core Dump file not available unless <code>--disable-charmdebug</code> is used while building.</td>
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<td>improved topology-aware partitioner</td>
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<td>Replicas slower than separate jobs on GNI systems</td>
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<td>Valgrind shows invalid writes at GNI_SmsgSendWTTag calls for charm programs built on gni-craxy</td>
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<td>Error while compiling LogAnalyzer tool in BigNetSim</td>
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<td>Char and entry method registration, instantiation, and invocation without code generated by charmxi from .ci files</td>
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<td>Collision Detection library failures due to changes in demand creation</td>
<td>Eric Mikida</td>
<td>03/07/2017 11:39 AM</td>
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<td>multiple communication threads per process</td>
<td>Ronak Buch</td>
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<td>Add Metabalancer tests to nightly build</td>
<td>Kavitha Chandrasekar</td>
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<td>examples/charm++/jacobi*’d are non-exemplary HPC code, using nested arrays</td>
<td>Juan Galvez</td>
<td>05/09/2018 11:07 AM</td>
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<td>Support MPI_INFO's on a per-{comm,win} basis</td>
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<td>Use CkMulticast for collectives on AMPI subcommunicators</td>
<td>Raghavendra Kanakagiri</td>
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<td>PythonCCS-client needs to be compiled without CONVERSE</td>
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<td>Implement MPI-R debugging hooks in RTS startup</td>
<td>Matthias Diener</td>
<td>05/09/2018 10:53 AM</td>
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<td>1304</td>
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<td>Charmrun: implement MPI-R debugging hooks</td>
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<td>1281</td>
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<td>B igsim crash in SDAG code in examples/charm++/load_balancing/stencil3d</td>
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<td>Proactive fault tolerance fails due to sending message to dead node.</td>
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<td>Use Infiniband multicast for broadcast/multicast</td>
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<td>AVX512 Support</td>
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<td>Document 'trace mode perfReport' in the manual</td>
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<td>Tuple reductions cannot have [reduction target] callbacks</td>
<td>Karthik Senthil</td>
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<td>Problem with reduction when inheriting pure virtual functions</td>
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<td>10/09/2016 03:11 PM</td>
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<td>mlogft and causalft builds do not compile</td>
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<td>AMPI migration detection mechanisms</td>
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<td>Excessive memory utilization when ingesting files into Timeline</td>
<td>Ronak Buch</td>
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<td>Support template entry methods in generated code from TRAM [aggregate] entry method attribute</td>
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<td>AMPI_Just_migrated callbacks break using tlsglobals/isomalloc</td>
<td>Sam White</td>
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<td>Bug</td>
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<td>AMPI's -tlsglobals option is only supported by GCC</td>
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<td>Memory leaks in converse's cldb</td>
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<td>1183</td>
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<td>meatest and megacon should work for large node counts</td>
<td>Jaemin Choi</td>
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<td>1182</td>
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<td>Support automated thread spawn/bind for MPI SMP builds</td>
<td>Evan Ramos</td>
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<td>Support automated launch/spawn/bind on gni-crayxc/gni-crayxe systems</td>
<td>Evan Ramos</td>
<td>06/21/2018 04:06 PM</td>
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<td>1177</td>
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<td>Normal</td>
<td>Support variable numbers of processes per host, each with identical thread counts</td>
<td>Evan Ramos</td>
<td>06/21/2018 04:06 PM</td>
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<td>1167</td>
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<td>Scripted tests for all mini-apps</td>
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<td>1158</td>
<td>Feature</td>
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<td>Normal</td>
<td>AMP1 scatter(v) performance is poor</td>
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<td>10/30/2017 11:34 PM</td>
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<td>1155</td>
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<td>Normal</td>
<td>AMPI's non-blocking collectives are not sequenced</td>
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<td>08/28/2018 10:33 AM</td>
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<td>1144</td>
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<td>Pass a future into or return one from [sync] entry methods, so that the caller isn't forced to block</td>
<td>Eric Mikida</td>
<td>06/20/2017 04:13 PM</td>
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<td>1117</td>
<td>Feature</td>
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<td>Normal</td>
<td>Shrink-expand malleable jobs should be able to change node set</td>
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<td>verbs slower than mpi on Omni-Path</td>
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<td>1101</td>
<td>Bug</td>
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<td>Normal</td>
<td>Poor error messages when forgetting to 'extern module x' in ci files</td>
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<td>09/21/2016 12:32 PM</td>
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<td>1100</td>
<td>Bug</td>
<td>New</td>
<td>Normal</td>
<td>Cannot create variable sized messages with objects that have virtual methods</td>
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<td>09/21/2016 12:33 PM</td>
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<td>Bug</td>
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<td>Error in buddy assignment code for checkpointing</td>
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<td>Normal</td>
<td>Unify Data Collection in Charm++</td>
<td>Ronak Buch</td>
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<td>1056</td>
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<td>Normal</td>
<td>make trivial SDAG nodegroup entries reentrant</td>
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<td>Low</td>
<td>reject pemap/commap with duplicate or too few cpus</td>
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<td>mpi-coexist example hardcodes C++ compiler flags</td>
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<td>Improve Parsing for SDAG Boolean Expressions</td>
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<td>1006</td>
<td>Bug</td>
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<td>Normal</td>
<td>charmxi: nested braces in serial blocks can lead to erroneous syntax errors</td>
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<td>1005</td>
<td>Bug</td>
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<td>Low</td>
<td>Some Projections views broken for AMPI with user-registered functions</td>
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<td>07/09/2018 11:24 PM</td>
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<td>1004</td>
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<td>Normal</td>
<td>View showing messages grouped by size</td>
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<td>1003</td>
<td>Bug</td>
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<td>&quot;-memory paranoid&quot; doesn't work with smp build</td>
<td>Eric Mikida</td>
<td>03/02/2016 05:00 PM</td>
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<td>1000</td>
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<td>Normal</td>
<td>+setcpuaffinity places replicas on same host on same cores</td>
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<td>Cleanup examples/charm++/cuda/hello</td>
<td>Michael Robson</td>
<td>03/29/2018 10:52 AM</td>
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<td>971</td>
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<td>avoid failing back to hostname ip lookup for physical node detection</td>
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<td>924</td>
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<td>Normal</td>
<td>Bogus object ID shown for event starting before timeline range</td>
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<td>Document template instantiation for registration/call wrapper code without .ci file declaration for interop use case</td>
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<td>12/14/2015 04:03 PM</td>
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<td>Per-GPU Node Groups</td>
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<td>11/29/2018 11:54 AM</td>
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<td>918</td>
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<td>Low</td>
<td>multcore +commthread forces +CmiSleepOnIdle, may crash on exit</td>
<td>Michael Robson</td>
<td>12/08/2015 03:28 PM</td>
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<td>AMPI support for compiler-automated static variable privatization</td>
<td>Sam White</td>
<td>12/29/2017 11:52 AM</td>
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<td>Normal</td>
<td>Refactor charmrun interface code in RTS to deduplicate netlris/verbs</td>
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<td>extend physical node detection across partitions</td>
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<td>Automatically determine location of nvcc when compiling programs using charmc in accel</td>
<td>Michael Robson</td>
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<td>871</td>
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<td>Return data from [sync] SDAG methods</td>
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<td>05/09/2018 11:12 AM</td>
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<td>Normal</td>
<td>SDAG methods marked as [sync] should only return when run to completion</td>
<td>Eric Mikida</td>
<td>03/27/2018 08:21 PM</td>
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<td>861</td>
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<td>Normal</td>
<td>Add Support for CrayPat</td>
<td>Ronak Buch</td>
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<td>Chare array construction semantics differ wrt readonly array proxy on PE</td>
<td>Eric Mikida</td>
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<td>Create separate builds for accel and gpu manager</td>
<td>Michael Robson</td>
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<td>TAU crashes on simple Charm++ program</td>
<td>Michael Robson</td>
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<td>Projections Tutorial</td>
<td>Ronak Buch</td>
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<td>CUDA build does not correctly find cuda location</td>
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<td>message sends from periodic calls attributed to previous entry</td>
<td>Ronak Buch</td>
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<td>Normal</td>
<td>trace messages forward through communication threads</td>
<td>Ronak Buch</td>
<td>05/09/2018 11:13 AM</td>
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<td>697</td>
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<td>communication thread should send messages in priority order</td>
<td>Nitin Bhat</td>
<td>11/29/2017 12:46 PM</td>
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<td>690</td>
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<td>Normal</td>
<td>Broadcast to [sync] entry method should work as expected (e.g. act like passing CkCallbackResumeThread)</td>
<td>Eric Mikida</td>
<td>05/09/2018 11:13 AM</td>
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<td>684</td>
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<td>Normal</td>
<td>Isomalloc PUP has invalid read memory errors</td>
<td>Evan Ramos</td>
<td>11/11/2018 05:09 PM</td>
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<td>665</td>
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<td>Normal</td>
<td>charm++/delegation/multicast test fails with randomized queues due to a bug in support for anytime migration</td>
<td>Juan Galvez</td>
<td>10/11/2017 03:20 PM</td>
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<td>Normal</td>
<td>charm++/communication_overhead test fails with randomized queues</td>
<td>Eric Bohm</td>
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<td>659</td>
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<td>Normal</td>
<td>Add PME functionality to LeanMD</td>
<td>Nikhil Jain</td>
<td>02/09/2015 01:29 PM</td>
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<td>650</td>
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<td>Normal</td>
<td>Consolidate duplicated Fortran compiler detection/configuration</td>
<td>Sam White</td>
<td>04/14/2018 04:12 PM</td>
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<td>641</td>
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<td>protect load balancer from variable cpu clock</td>
<td>Kavitha Chandrasekar</td>
<td>03/27/2018 08:21 PM</td>
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<td>639</td>
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<td>New</td>
<td>Normal</td>
<td>method to distribute message receives across pes in node</td>
<td>PPL</td>
<td>10/11/2017 02:54 PM</td>
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<td>Normal</td>
<td>Mechanism (fence/barrier) to delay execution of long methods until latency-sensitive methods are done</td>
<td>PPL</td>
<td>09/27/2018 02:56 PM</td>
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<td>618</td>
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<td>New</td>
<td>Normal</td>
<td>Show number of messages waiting in queue</td>
<td>Ronak Buch</td>
<td>02/11/2015 12:20 AM</td>
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<td>571</td>
<td>Bug</td>
<td>New</td>
<td>Normal</td>
<td>pxshm shared queue lockless implementation is invalid</td>
<td>Eric Bohm</td>
<td>10/31/2017 09:00 AM</td>
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<td>560</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>Avoid duplicated work between CmiNodeOf and CmiRankOf</td>
<td>Nitin Bhat</td>
<td>02/09/2018 09:52 AM</td>
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<td>559</td>
<td>Feature</td>
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<td>Normal</td>
<td>Generic (un)marshalling code to replace code generation per entry-method</td>
<td>Venkatasubrahmanian Narayanan</td>
<td>02/28/2019 12:22 PM</td>
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<td>558</td>
<td>Feature</td>
<td>New</td>
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<td>Eliminate need for code generation from .ci file with full compile-time error checking</td>
<td>Venkatasubrahmanian Narayanan</td>
<td>02/28/2019 12:22 PM</td>
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<td>551</td>
<td>Bug</td>
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<td>Normal</td>
<td>CtkO processor placement options are ignored</td>
<td>Ronak Buch</td>
<td>10/11/2017 03:24 PM</td>
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<td>540</td>
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<td>New</td>
<td>Low</td>
<td>CmiDestroyLocks destroys a lock that the thread (or another) is holding</td>
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<td>03/27/2018 08:21 PM</td>
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<td>Low</td>
<td>Errors reported by ThreadSanitizer</td>
<td>PPL</td>
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<td>smp layer based on OpenMP 4.0 teams</td>
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<td>Normal</td>
<td>Make reading logs more unified</td>
<td>Ronak Buch</td>
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<td>509</td>
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<td>Normal</td>
<td>Make Jenkins Instance Public</td>
<td>Ronak Buch</td>
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<td>497</td>
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<td>Normal</td>
<td>Enter button will automatically trigger OK button in the pop-up window</td>
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<td>06/20/2017 04:13 PM</td>
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<td>480</td>
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<td>Low</td>
<td>Calling 'migrateMe' in SDAG serial block accesses members of deallocated charue</td>
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<td>Licensing of parallel random number generator from NCSA</td>
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<td>Licensing of TreeMatchLB and supporting code</td>
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<td>12/29/2017 11:53 AM</td>
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<td>pamlirits: Port L2 atomics support from pami layer</td>
<td>Michael Robson</td>
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<td>Callbacks to array elements that should be demand-created</td>
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<td>CktO: Automatic re-open of files across checkpoint/restart</td>
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<td>Idle/Overhead Display Disagreement</td>
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<td>Pack variable-envelope structures to reduce overhead bytes</td>
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<td>Remove &quot;custom packed messages&quot; in favor of PUP framework</td>
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<td>Reduction Starting messages - Performance optimal solution</td>
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<td>Interoperation in NETLRTS layer</td>
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<td>Normal</td>
<td>Avoid warning in sockRoutines</td>
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<td>Non-blocking checkpointing</td>
<td>PPL</td>
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<td>279</td>
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<td>Normal</td>
<td>Windows: Display abort message in failure pop-up</td>
<td>Eric Bohm</td>
<td>12/29/2017 12:21 PM</td>
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<td>Low</td>
<td>Bigsim emulator: Non-ci-file readonly variables cause a crash at startup</td>
<td>Eric Bohm</td>
<td>02/15/2018 11:54 PM</td>
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<td>Normal</td>
<td>PMPI: Record times and sizes of sent/received messages</td>
<td>Ronak Buch</td>
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<td>246</td>
<td>Bug</td>
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<td>Clean deallocation and shutdown of Charm++ processes</td>
<td>Juan Galvez</td>
<td>10/11/2017 03:26 PM</td>
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<td>235</td>
<td>Bug</td>
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<td>Low</td>
<td>CkCallback to array sections is very non-migratable</td>
<td>Juan Galvez</td>
<td>10/11/2017 03:27 PM</td>
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<td>221</td>
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<td>Delete deprecated FEM library</td>
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<td>193</td>
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<td>Normal</td>
<td>objid_t: Support new message type for CharmDebug</td>
<td>Eric Mikida</td>
<td>05/09/2018 11:17 AM</td>
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<td>178</td>
<td>Feature</td>
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<td>Normal</td>
<td>objid_t: fault tolerance infrastructure should use objid_t</td>
<td>Eric Mikida</td>
<td>10/11/2017 03:10 PM</td>
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<td>173</td>
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<td>New</td>
<td>Low</td>
<td>objid_t: Support user-defined conversion functions</td>
<td>Eric Mikida</td>
<td>12/29/2017 12:27 PM</td>
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<td>172</td>
<td>Feature</td>
<td>New</td>
<td>Low</td>
<td>objid_t: Exploit compile-time declared size bounds</td>
<td>Eric Mikida</td>
<td>12/29/2017 12:27 PM</td>
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<td>159</td>
<td>Bug</td>
<td>New</td>
<td>Low</td>
<td>Some CkCallback types are not valid across checkpoint/restart</td>
<td>Juan Galvez</td>
<td>01/17/2019 01:15 PM</td>
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<td>151</td>
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<td>Align -optimize flags with current release of GNU compilers</td>
<td>Michael Robson</td>
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<td>150</td>
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<td>New</td>
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<td>Align -optimize flags with current compiler releases</td>
<td>Eric Bohm</td>
<td>12/29/2017 12:03 PM</td>
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<td>Choose backend options for -optimize on icc</td>
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<td>130</td>
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<td>mempool unit and performance tests</td>
<td>PPL</td>
<td>07/09/2015 02:35 PM</td>
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<td>129</td>
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<td>New</td>
<td>Normal</td>
<td>mempool code docs and review</td>
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<td>07/09/2015 02:35 PM</td>
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<td>120</td>
<td>Bug</td>
<td>New</td>
<td>Low</td>
<td>ckmcast and any time migration</td>
<td>Juan Galvez</td>
<td>06/20/2017 04:10 PM</td>
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<td>117</td>
<td>Feature</td>
<td>New</td>
<td>Normal</td>
<td>Projections traces with fewer files than 1-per-PE</td>
<td>Ronak Buch</td>
<td>10/11/2017 03:13 PM</td>
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<td>115</td>
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<td>object location services: iteration over local objects</td>
<td>Eric Mikida</td>
<td>03/15/2017 02:18 PM</td>
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<td>112</td>
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<td>Normal</td>
<td>object location services: Share array element location cache above PE level</td>
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<td>05/24/2016 03:00 PM</td>
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<td>107</td>
<td>Feature</td>
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<td>Migratable DMA regions</td>
<td>Eric Bohm</td>
<td>01/26/2017 12:28 PM</td>
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<td>106</td>
<td>Feature</td>
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<td>Outgoing message prioritization</td>
<td>Nitin Bhat</td>
<td>05/09/2018 11:14 AM</td>
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<td>92</td>
<td>Feature</td>
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<td>Normal</td>
<td>Topology information for Cray XC</td>
<td>Juan Galvez</td>
<td>02/15/2018 11:27 PM</td>
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<td>89</td>
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<td>Low</td>
<td>BigSim loadlog test assumes that compute-node binaries can run on the host</td>
<td>Ronak Buch</td>
<td>02/15/2018 11:19 PM</td>
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<td>Better compression for Projections traces</td>
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<td>Get large messages directed at migrated objects directly from the sender</td>
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<td>Execution within a power budget</td>
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<td>Exploit phase boundaries in iterative apps</td>
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<td>53</td>
<td>Bug</td>
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<td>SDAG case constructs and Bigsim traces</td>
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<td>10/11/2017 03:08 PM</td>
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<td>Regular performance benchmarks for AMPI</td>
<td>Sam White</td>
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<td>Define and document semantics of dynamic Insertion in Chare arrays wrt broadcasts and reductions</td>
<td>Laxmikant &quot;Sanjay&quot; Kale</td>
<td>04/21/2018 10:10 AM</td>
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<td>Macports / Homebrew installation scripts</td>
<td>Evan Ramos</td>
<td>02/21/2019 01:17 PM</td>
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<td>LRTS Machine layer flow control</td>
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<td>Reduce Charm Message Send Overhead for Marshallled Messages</td>
<td>Eric Bohm</td>
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<td>Optimization of MPI layer</td>
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<td>3D view in Projections</td>
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<td>Extend TopoManager to work on an n-dimensional torus</td>
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<td>Projections tracing with MPI Interoperability</td>
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<td>Juan Galvez</td>
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<td>Factor out massive duplication in reductions</td>
<td>Juan Galvez</td>
<td>12/29/2017 12:12 PM</td>
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<td>Low</td>
<td>Make CCS work with partitions</td>
<td>Juan Galvez</td>
<td>02/12/2015 11:19 AM</td>
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<td>9</td>
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<td>New</td>
<td>Low</td>
<td>Ensure that record-replay works with partitions</td>
<td>Juan Galvez</td>
<td>02/12/2015 11:19 AM</td>
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<td>Low</td>
<td>Ensure that various features work with partitions</td>
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<td>Finish work on newLB branch and merge with master</td>
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<td>03/14/2019 02:08 PM</td>
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<td>Normal</td>
<td>TRAM doesn't appear to support higher dimensional chare arrays</td>
<td>Venkatasubrahmanian Narayanan</td>
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<td>Chare array broadcast messages don't appear to be freed by the runtime</td>
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<td>Add a new target (potentially benchmarks) for Vesta autobuilds to avoid maximum execution time from exceeding</td>
<td>Nitin Bhat</td>
<td>04/02/2019 01:32 PM</td>
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<td>Normal</td>
<td>tests/ampi/megampi sometimes fails on mpi-win-x86_64-smp</td>
<td>Evan Ramos</td>
<td>03/20/2019 02:37 PM</td>
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<td>1994</td>
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<td>Normal</td>
<td>Multi-GPU support with hwloc</td>
<td>Jaemin Choi</td>
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<td>In Progress</td>
<td>Normal</td>
<td>Rewrite conv-conds.c in C++</td>
<td>Evan Ramos</td>
<td>03/22/2019 12:42 PM</td>
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<td>High</td>
<td>Out of bounds std::vector accesses in NDMeshStreamer</td>
<td>Venkatasubrahmanian Narayanan</td>
<td>03/19/2019 11:40 AM</td>
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<td>1953</td>
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<td>Normal</td>
<td>cmake-based build system</td>
<td>Matthias Diener</td>
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<td>1940</td>
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<td>Normal</td>
<td>Singleton chare and nodelist creation hangs with randomized queues in SMP mode</td>
<td>Michael Robson</td>
<td>03/28/2019 04:25 PM</td>
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<td>1931</td>
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<td>Direct API for pamlitslinux-ppc64e</td>
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<td>Enable low memory footprint migration with Isomalloc via RDMA</td>
<td>Sam White</td>
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<td>Generate libmpi.{a,so} for AMPI configure scripts</td>
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<td>1761</td>
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<td>Update GPU Manager Tracing API</td>
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<td>Improve pup_stl testing</td>
<td>Samarth Kulshreshtha</td>
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<td>1711</td>
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<td>syncft tests: unclear failure</td>
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<td>03/27/2018 06:07 PM</td>
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<td>1689</td>
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<td>Normal</td>
<td>CMK_TIMER_USE_PPC64 inaccurate with variable clock speeds</td>
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<td>1671</td>
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<td>Verbs memory pool may leak pinned memory when message is deleted on a PE different from the one to which it was delivered</td>
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<td>1640</td>
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<td>Segfault during migration for AMPI in SMP mode with &quot;-tracemode projections&quot;</td>
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<td>NodeGroup Broadcasts creates many copies of the message for point to point sends</td>
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<td>Support send on IDLE in TRAM</td>
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<td>Remove need for +LBCommOff</td>
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<td>Normal</td>
<td>Virtualization-aware AMPI collectives</td>
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<td>Cleanup dangling issues from 64bit merge</td>
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<td>Node-level message aggregation for CkMulticast</td>
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<td>Let user-defined main() work for all execution environments</td>
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<td>Replace widespread dynamic allocated arrays with std::vector</td>
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<td>1300</td>
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<td>Seonmyeong Bak</td>
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<td>Automatic process launching, thread spawning, and hardware binding</td>
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<td>AMPI should check for truncated messages</td>
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<td>Compare the performance of Harshit's accel patch to GPU manager</td>
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<td>ampi/megampi test fails with randomized queues</td>
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<td>Cut long-running tests &amp; examples out of 'make test'</td>
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<td>Message logging fails to deliver char messages through VidBlock</td>
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<td>10/11/2017 03:25 PM</td>
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<td>TLS-based AMPI variable privatization source-to-source translation tool</td>
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<td>Performance testing and tuning of CkIO</td>
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<td>Bugs exposed by use of randomized Q</td>
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<td>Message size doesn't show correctly for Pack-Unpack</td>
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<td>Uniquely tag each char array broadcast to enable true unique delivery</td>
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<td>ckout and ckerr should derive from std::ostream</td>
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<td>object location services: improve implementation and protocol</td>
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<td>03/14/2018 12:12 PM</td>
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<td>objid_t: adapt callbacks to use objid_t</td>
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<td>objid_t: tracing infrastructure should use objid_t</td>
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<td>object location services: separate location caching from msg delivery and buffering</td>
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<td>Unify memory pool implementations where possible</td>
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<td>Evaluate other documentation possibilities</td>
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<td>Move performance tests and benchmarks from &quot;make test&quot; to a new &quot;make benchmark&quot;</td>
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<td>Functionality to Broadcast large buffers using the nocopy API</td>
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<td>Send large readonly variables using the Nocopy API to reduce memory footprint and improve startup time</td>
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<td>Charm++ programs hang with mpi-crayxc build on Edison when run on 2 hosts</td>
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<td>Normal</td>
<td>verbs build hangs in tests/charm++/communication_overhead</td>
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<td>Spanning Tree implementation for scatterv</td>
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<td>Charm++ scatter(v) collective interface</td>
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<td>Avoid receiver-side copy for large contiguous messages. API for charm and converse layers</td>
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<td>Color by user supplied parameter (e.g. timestep) in Communication over Time</td>
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<td>Implemented</td>
<td>Normal</td>
<td>Color by user supplied parameter (e.g. timestep) in non-timeline tools</td>
<td>Ronak Buch</td>
<td>01/24/2018 03:15 PM</td>
</tr>
<tr>
<td>991</td>
<td>Feature</td>
<td>Implemented</td>
<td>Normal</td>
<td>Sort Usage Profile Based on EP Time</td>
<td>Ronak Buch</td>
<td>05/09/2018 11:09 AM</td>
</tr>
<tr>
<td>921</td>
<td>Feature</td>
<td>Implemented</td>
<td>Normal</td>
<td>Entry tag [inline] is unable to optimize away most of the overhead</td>
<td>Evan Ramos</td>
<td>05/02/2018 12:10 AM</td>
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<tr>
<td>605</td>
<td>Feature</td>
<td>Implemented</td>
<td>Normal</td>
<td>show communication threads in usage profile</td>
<td>Ronak Buch</td>
<td>04/29/2018 05:59 PM</td>
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<tr>
<td>253</td>
<td>Feature</td>
<td>Implemented</td>
<td>Normal</td>
<td>Heterogeneous PPN support</td>
<td>Ronak Buch</td>
<td>10/11/2017 03:14 PM</td>
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<tr>
<td>968</td>
<td>Bug</td>
<td>Upstream</td>
<td>Low</td>
<td>charm++ programs fail to run on BlueWaters due to craype-hugepages8M</td>
<td>Michael Robson</td>
<td>02/01/2017 10:35 PM</td>
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<tr>
<td>194</td>
<td>Bug</td>
<td>Upstream</td>
<td>Normal</td>
<td>Cray XE/XT topology functions should use rca_get_meshtopology() to honestly report mesh/torus</td>
<td>Juan Galvez</td>
<td>10/11/2017 03:24 PM</td>
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<tr>
<td>78</td>
<td>Bug</td>
<td>Upstream</td>
<td>Normal</td>
<td>AMPI failure with migration under Cray compiler due to tcmalloc bugs or incompatibility</td>
<td>Sam White</td>
<td>09/28/2017 02:28 PM</td>
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<td>2041</td>
<td>Support</td>
<td>Feedback</td>
<td>Normal</td>
<td>charmrun with mpirun instead of srun?</td>
<td>Evan Ramos</td>
<td>02/21/2019 02:20 PM</td>
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<tr>
<td>1935</td>
<td>Bug</td>
<td>Feedback</td>
<td>Low</td>
<td>Charm++ version and commit information is not available in tarball downloads of repo</td>
<td>Ronak Buch</td>
<td>08/17/2018 05:35 PM</td>
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<tr>
<td>666</td>
<td>Bug</td>
<td>Feedback</td>
<td>Normal</td>
<td>charm++/queue test fails with randomized queues</td>
<td>Eric Bohm</td>
<td>10/26/2015 01:59 PM</td>
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<td>438</td>
<td>Bug</td>
<td>Feedback</td>
<td>Normal</td>
<td>External received bytes is higher than total received bytes</td>
<td>Ronak Buch</td>
<td>02/09/2015 12:29 PM</td>
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