If I run tests/charm++/pingpong on Cab @ LLNL with a payload size smaller than 9 bytes, it gets the following:

```
$ ./charmrun +p2 ./pgm +mpiexec +remote-shell ./mysrun 8 1000
Charmrun> scalable start enabled.
Charmrun> IBVERBS version of charmrun
Charmrun> started all node programs in 0.298 seconds.
Charm++> Running in non-SMP mode: numPes 2
Converse/Charm++ Commit ID: v6.7.0-771-g42e9803
Charm++> scheduler running in netpoll mode.
CharmLB> Load balancer assumes all CPUs are same.
Charm++> Running on 2 unique compute nodes (32-way SMP).
Pingpong with payload: 8 iterations: 1000
[0] Assertion "recvBufSize > sizeof(double)" failed in file machine-ibverbs.c line 2866.
------------- Processor 0 Exiting: Called CmiAbort ------------
[0] Stack Traceback:
[0:0] CmiAbortHelper+0xb3 [0x61a9fc]
[0:1] CmiAbort+0x2d [0x61aa37]
[0:2] __cmi_assert+0x33 [0x627d48]
[0:3] _ZN5PingNC1Ev+0x51 [0x62101d]
[0:4] _ZN5PingNC1Ev+0x51 [0x62101d]
[0:5] _ZN13CkIndex_PingN16_call_PingN_voidEPvS0_+0x45 [0x55cc83]
[0:6] CkDeliverMessageFree+0x4e [0x54c8c7]
[0:7] [0x54ca11]
[0:8] CkCreateLocalNodeGroup+0xd1 [0x54d274]
[0:9] _Z16_createNodeGroup10_ckGroupIDP8envelope+0x168 [0x54d688]
[0:10] [0x54d7b7]
[0:11] CkCreateNodeGroup+0xff [0x54da88]
[0:12] _ZN12CProxy_PingN5ckNewEPK14CkEntryOptions+0x48 [0x55cc04]
[0:13] _ZN12CProxy_PingN5ckNewEPK14CkEntryOptions+0x48 [0x55cc04]
[0:14] _ZN4main1C1EP8CkEntry+0x266 [0x536aee]
[0:15] _ZN12CkIndex_main19_call_main_CkArgMsgEPvS0_+0x40 [0x552b60]
[0:16] _Z10_initCharmiPPc+0xd51 [0x541baa]
[0:17] [0x61a7ea]
[0:18] CmiInit+0x324 [0x61a706]
[0:18] main+0x3f [0x53f208]
[0:19] __libc_start_main+0x2d [0x53f208]
[0:20] [0x5246d9]
```

Perhaps try on another machine first to see if this is just something weird on Cab?

**History**

**#1 - 04/22/2017 10:54 AM - Sam White**

This also happens on the iForge cluster at NCSA...

**#2 - 04/25/2017 04:29 PM - Sam White**

- Target version set to 6.8.1