**Charm++ - Bug #1664**

**Tune pami-linux short/eager communication thresholds**

08/22/2017 07:52 PM - Sam White

<table>
<thead>
<tr>
<th>Status:</th>
<th>Implemented</th>
<th>Start date:</th>
<th>08/22/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td>Sam White</td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td>Machine Layers</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version:</td>
<td>6.8.1</td>
<td>Spent time:</td>
<td>0.00 hour</td>
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### Description

src/arch/pami/machine.c contains the following:

```c
#ifdef CMK_BLUEGENEQ
#define SHORT_CUTOFF 128
#define EAGER_CUTOFF 4096
#else
#define SHORT_CUTOFF 1920
#define EAGER_CUTOFF 2000000000
#endif
```

An eager cutoff of almost 2GB seems way too large, and pamiirts/machine.c defines them as:

```c
#define SHORT_CUTOFF 128
#define EAGER_CUTOFF 4096
```

### History

**#1 - 08/31/2017 02:21 PM - Sam White**

- Assignee set to Sam White
- Status changed from New to Implemented

Someone with access to one of the PAMI linux systems needs to test this: [https://charm.cs.illinois.edu/gerrit/#/c/2977/](https://charm.cs.illinois.edu/gerrit/#/c/2977/)