

Data Related Technical Parameters					System Parameters		Production Requirements				Preparatory Requirements						
Quota for \$HOME Directory	INODE Quota for \$HOME	Quota for \$WORK Directory <i>Limits given in Soft (Hard) format *</i>	INODE Quota for \$WORK	Available external bandwidth <i>[1GB transfer time]</i>	RAM per Core	Minimum Accounting Unit <i>[in CPU-core or GPU units]</i>		Core Hour Limits per project <i>Limits are given in Soft (Hard) format *</i>		Total Core Hour Allocation for Production CFP <i>(total per annum)</i>	Minimum Scaling Requirements <i>(scaling plots must be provided to at least this amount of resources)</i>		Core Hour Limits per project <i>Limits are given in Soft (Hard) format *</i>		Total Core Hour Allocation for all Projects per annum	Minimum Scaling Requirements	
CaSToRC	User-based 20GB	None	Project-based 1TB (10TB)	None	100 Mb/s <i>[1GB=3m]</i>	4GB	CPU	12 cores <i>[1 CPU node]</i>	Cy-Tera CPU	100K (TBD)	1.85 million <i>(3.7 million)</i>	CPU	48 cores	Cy-Tera CPU	10K (20K)	200K	None
									LinkSCEEM CPU	100K (TBD)	1.1 million <i>(2.2 million)</i>			LinkSCEEM CPU	10K (20K)	120K	
							GPU	2 GPUs <i>[1 GPU node]</i>	Cy-Tera GPU	8K (TBD)	56000 <i>(112000)</i>	GPU	2 GPUs	Cy-Tera GPU	500 (1K)	6000	
									LinkSCEEM GPU	5K (TBD)	34000 <i>(68000)</i>			LinkSCEEM GPU	500 (1K)	4000	
BA	User-based 100MB	None	Project-based 100GB (2TB)	None	15 Mb/s <i>[1GB=20m]</i>	1GB	8 cores <i>[1 CPU node]</i>		100K (TBD)	0.5 million <i>(1 million)</i>	16 cores		10K (20K)	200000	None		

* Limits above are given in the format "Soft (Hard)", where 'Soft' means either the default value (in the case of quotas) or an upper limit for standard requests (in the case of core hour limits) and 'Hard' means a maximum allowed value. Requests between the 'Soft' and 'Hard' limits must provide verifiable justification for these requirements.

Data transfer times assume 50% peak performance

Core hour limits at CaSToRC are separated according to project (Cy-Tera or LinkSCEEM) and resource (separate CPU and GPU limits). The distinction between Cy-Tera and LinkSCEEM projects is made only by the Resource Allocation Committee so please simply comment on which limits the proposal falls within.

Production resource requests must be justified by a workplan and must meet or surpass minimum scaling requirements. Scaling information can be provided from any architecture similar to the requested resource.

"Farming" is allowed as long as it is done intelligently (i.e, must have a mechanism to use minimum accounting unit so resources are not wasted). **Proof of this must be provided.**

TBD means 'To Be Determined' by Resource Allocation Committee

There are 2 production calls per year, therefore only **50% of total resource hours available per call**

Quota for \$WORK data directory is only available to Production Projects. Preparatory projects must use \$SCRATCH for large data files (or come to a separate arrangement with the assigned HPC site)

RAM parameters are gross, must consider OS etc. for net available RAM