

We examined the intersection of nuclear astrophysics with the entire computing and networking ecosystem:

- High-Performance Computing
- High-Throughput Computing
- High-Memory Computing
- Next Generation Internet Capabilities
- Big Data Initiatives
- Hadoop MapReduce Computing
- Social Computing

to help our community address the questions

1. What will advanced computing and networking be able to do for nuclear astrophysics in the coming decade?
2. What do we need to do to maximize the impact of new capabilities on nuclear astrophysics?

We invited folks to put on their blue-sky, no limits, visionary hats.

Salient issues discussed:

Capacity versus capability computing - science per buck

Nucleosynthesis from ID model useful still, but perhaps limited

Challenges with getting young people into computational astro

Funding for instrument development and support

Need for community supported, open source instruments to keep the field healthy and advance the science - example: radiation transport instrument

Generating, aggregating, analyzing, curating Big Data