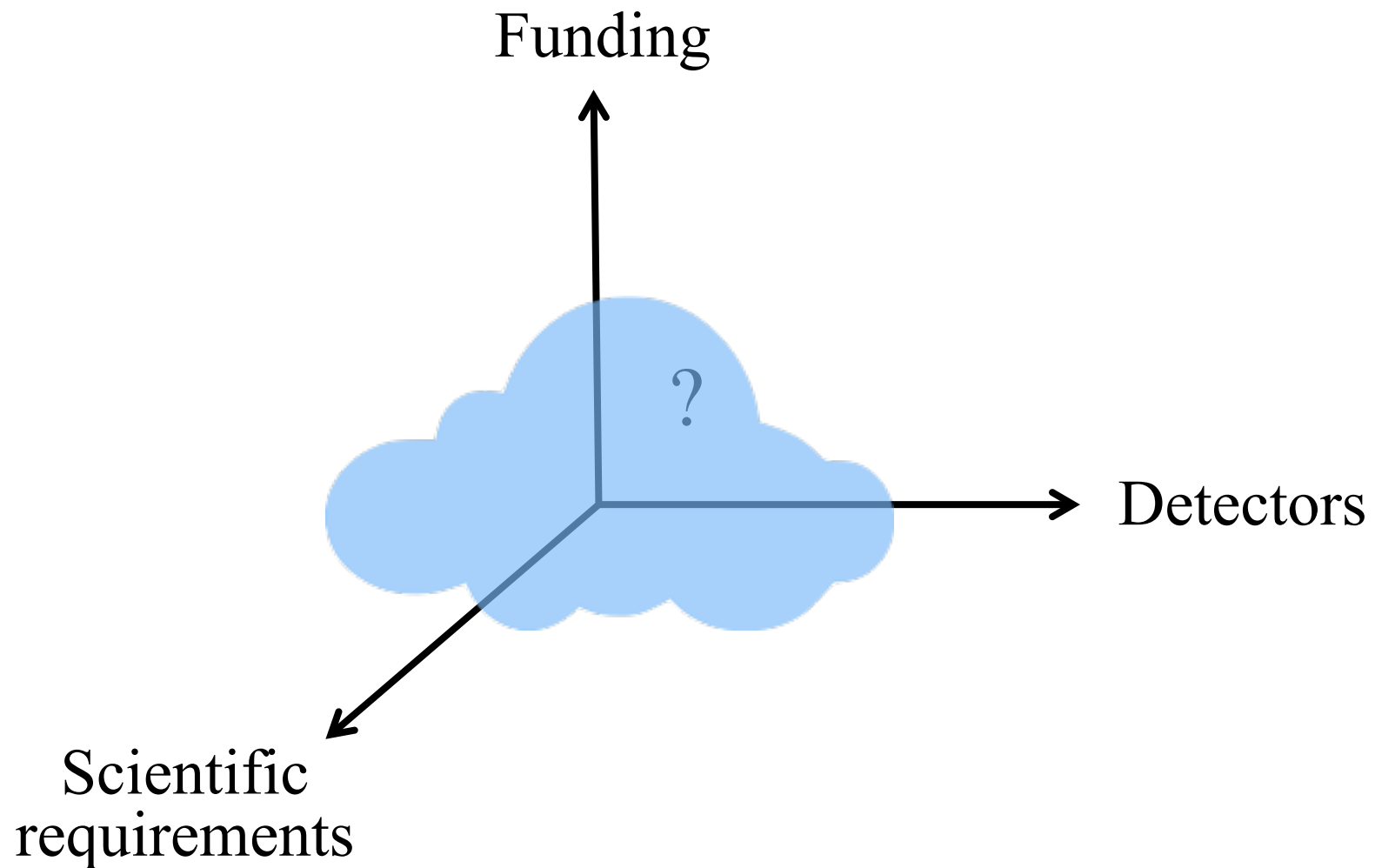


Near-term Plan of Action

Kam-Biu Luk
University of California, Berkeley
And
Lawrence Berkeley National Laboratory

DUNE ND Workshop, Fermilab
29 March 2017

Optimization



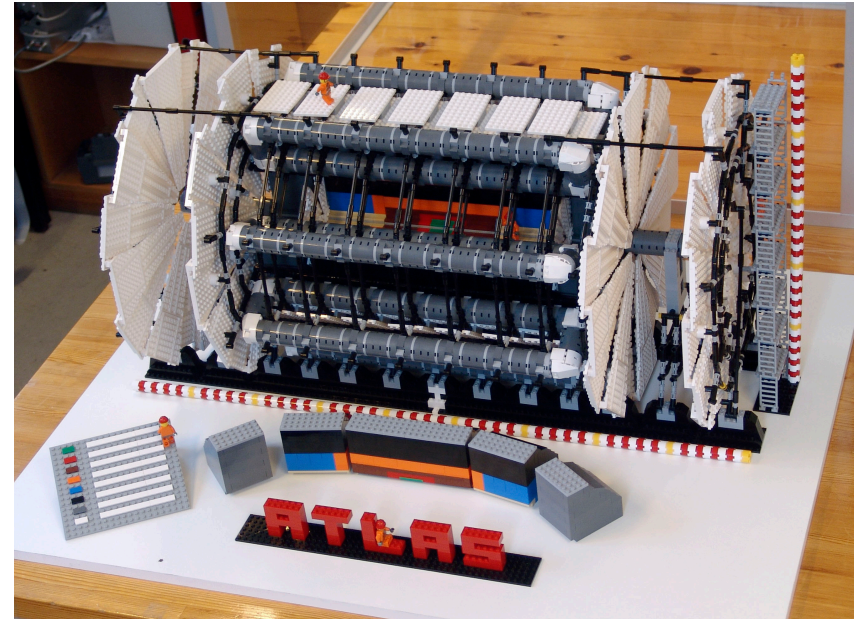
A O(100 Millions) Problem !!

Action Items

- Scientific Requirements
 - Identify golden processes
 - Identify key physical parameters to be measured well
 - Quantify the requirements
 - Establish the baseline of the near site
 - Detectors
 - Magnet
 - Liquid-argon TPC
 - High-resolution tracking detector
 - ECal
 - Muon detector
- } Hybrid options

From Point A To Point B

- Form interest groups to address
 - Scientific requirements
 - Capability of detector subsystems
 - Explore hybrid options
 - ‘Generic’ tools for fast-turn-around studies



- Assimilate findings to assess whether we are ready to come up with a couple/few of detector systems at the May collaboration meeting.
 - Need to focus on the key issues and keep everyone informed through weekly DUNE ND meetings.