Report from the Scientific Program Committee

Frithjof Karsch
SPC Chair

Outline

- Allocation 2008-2009
- Resources 2009/10
- Requests 2009
  INCITE/ USQCD

Allocations 2008-2009

THE chair:

Andreas left the chair without burning his …

He left an electrifying job for me

THE chair:

Andreas left the chair without burning his …

He left an electrifying task to me

...Andreas, thank you for the great job you did during the last years

Scientific Program Committee

Robert Edwards
(replaces Collin Morningstar)

Junko Shigemitsu

Andreas Kronfeld

Chris Dawson

Frithjof Karsch

Tom Blum

Martin Savage
(replaces John Negele)

Allocation process

The SPC advises the ExecCom

- The SPC suggests to the ExecCom allocations of computer time on the DOE-funded QCDOC and clusters at Fermilab&JLab as well as the usage of INCITE time
- The SPC advises the ExecCom which projects are suitable for usage of discretionary time on leadership-class machines
- When additional resources become available, the SPC suggests redistributions/reallocations

The 09/10 call for proposals

- Allocations in 6n equivalent node-hours
- INCITE: 14.85M + 14.85M(expected 2010)
- BNL: 10.8 M
- FNAL: 35.0 M
- Jlab: 10.7 M
- ----------
- total: 86.2M
  + 2.0M storage

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+The heatbath of ESP and discretionary time
+new hardware

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INCITE and USQCD usage 2008/2009

- **BlueGene/P at Argonne**
  (21 accounts; 7 active users)

- Allocation 2009: 67M core-hours
  (18.1 M 6n node-hours)
- Usage so far: 24M core-hours
  (7 users)
- ESP time 2008-2/1/09 (finished)
  used: 311M core-hours
- discretionary time started 1/16/09

  used so far: 60.7M core-hours, *i.e.* about twice the INCITE allocation
- will distribute 33.5M core-hours for first half of USQCD 2009/10 allocation period;; assume same amount for 1/10-6/10

- **XT4 at Oak Ridge**
  (1 active user; anisotropic clover)

- Allocation 2009: 20M core-hours
  (11.6 M 6n node-hours)
- Usage so far: 9.5 M core-hours
- discretionary time: 2.5 M core-hours
  (until 8/09)

- **USQCD hardware**
- allocated 57.9M 6n-node hours

  5 type-A projects;
  16 type-B projects

BGP: ESP and discretionary time 08/09

- ESP time at Argonne 2008 - 1/2009

User	jobs	core-hours
osborn	3600	81,013,248.9
chulwoo	11412	125,175,174.3
mawhinne	0	0.0
gottlieb	2480	44,216,387.8
detar	297	343,091.5
pochinsk	17784	57,187,958.0
bjoo	37	784,247.5
cmcneile	1724	2,825,546.5
ruthv	0	0.0
	37334	311,545,654.5

- discretionary time 1/2009 - 4/2009

User	jobs	core-hours
osborn	1700	18,445,275.9
chulwoo	1311	13,858,366.8
mawhinne	14	2,506,292.8
gottlieb	1	11,223.0
detar	0	0.0
pochinsk	4979	15,407,548.8
bjoo	0	0.0
cmcneile	0	0.0
ruthv	729	10,524,569.2
	8734	60,753,276.5

- 3.7 BGP core-hours = 1.0 6n-node hours

discretionary time = about 3 times USQCD resources

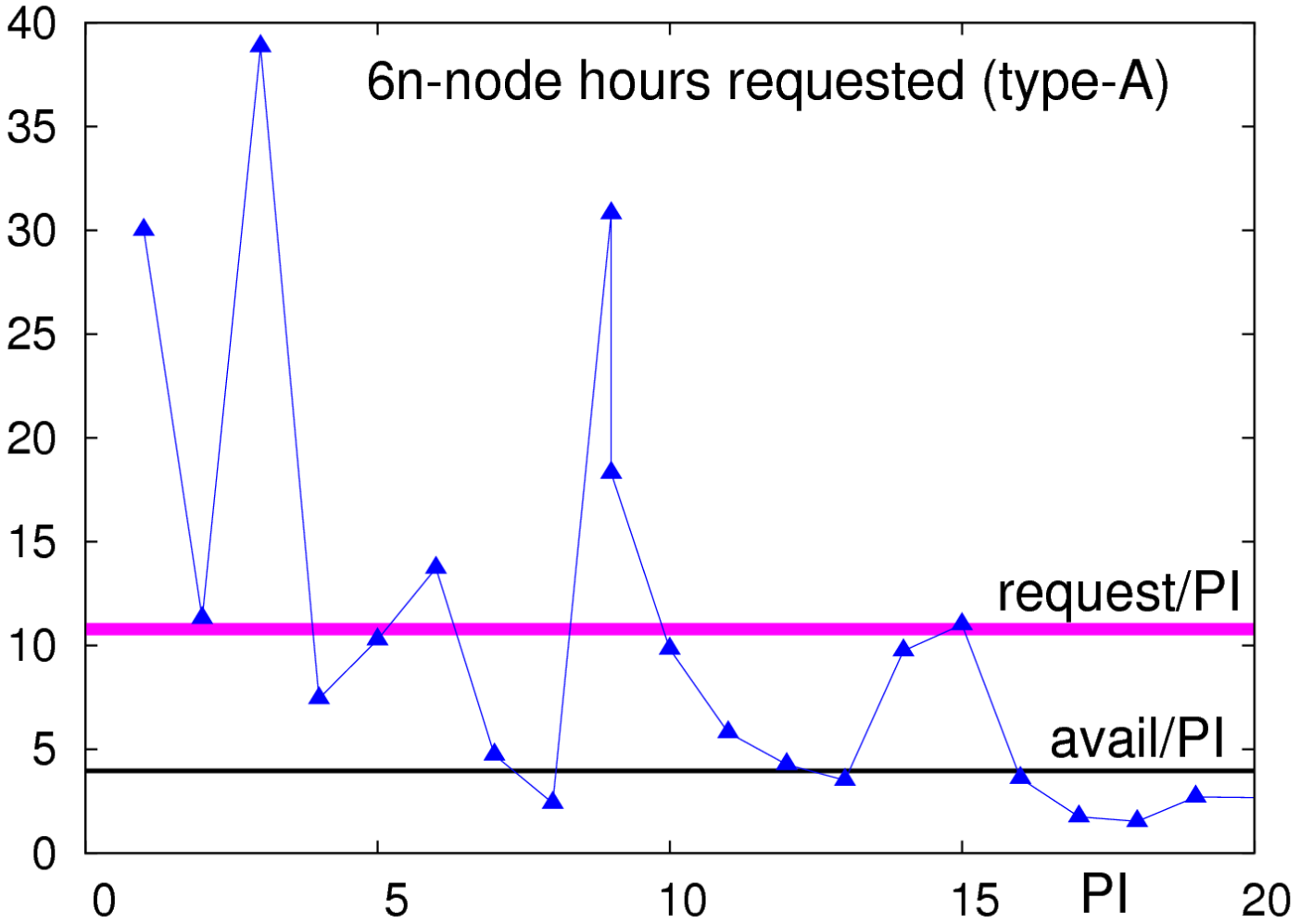
Proposals 09/10

- 19 proposals of type-A; 9 of type-B
- (08/09: 15 type-A; 16 type-B)

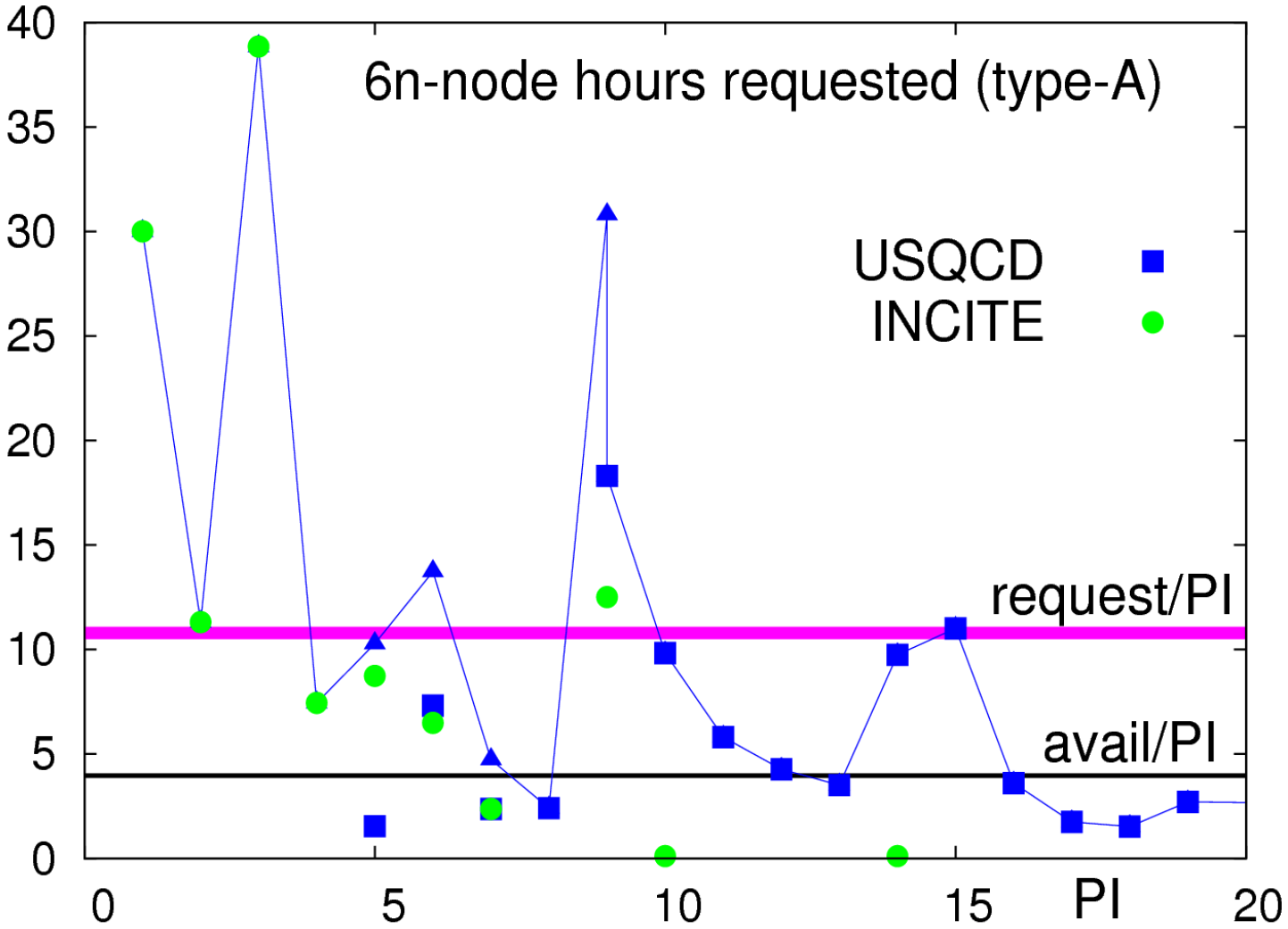
- type-A proposals: 3 INCITE
  1 INCITE discretionary
  3 INCITE+USQCD
  12 (mainly) USQCD
- type-B proposals: request 8.5% (11.2%)
  of available time

- USQCD: request 160% of available time
- INCITE: request (396+X)% of available time

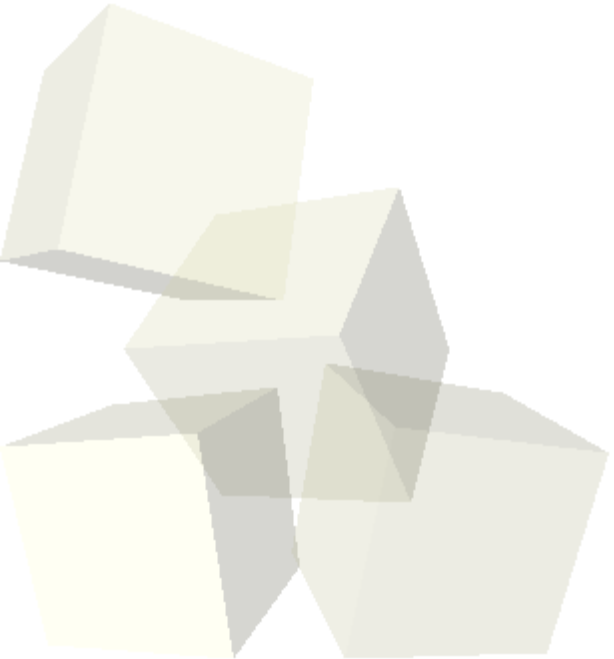
Requested allocation: type-A



Requested allocation: type-A

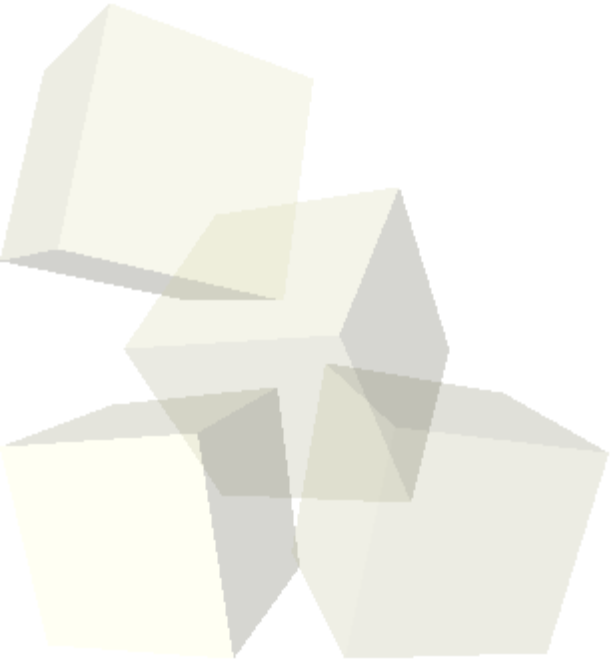


The good news



The good news

We will be able to satisfy all storage requests!!!



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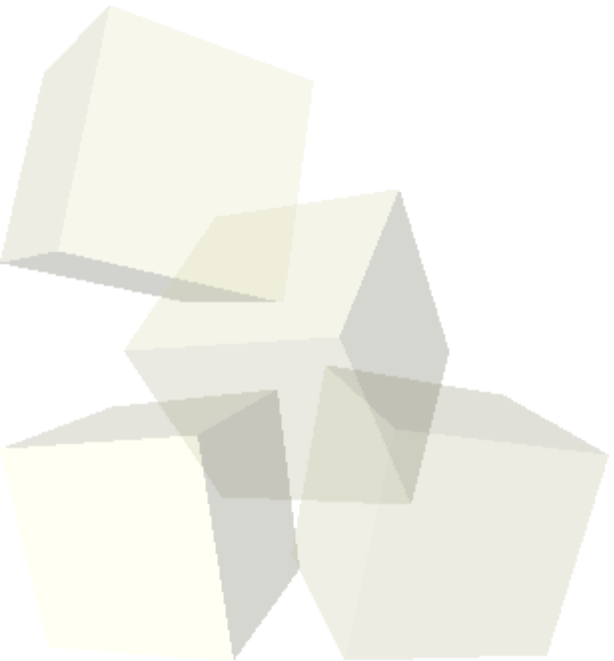
The remaining problems we discuss

Today and Tomorrow



Topics on the (round) table

- upper limit of time allocation for type-B proposals
- allocation of discretionary time on BGP
- allocation of new resources: adjustment vs. new call
- INCITE related issues
- whatever you come up with