

To exploring the physics potential and impact of the high statistics data on pi-K scattering, ...

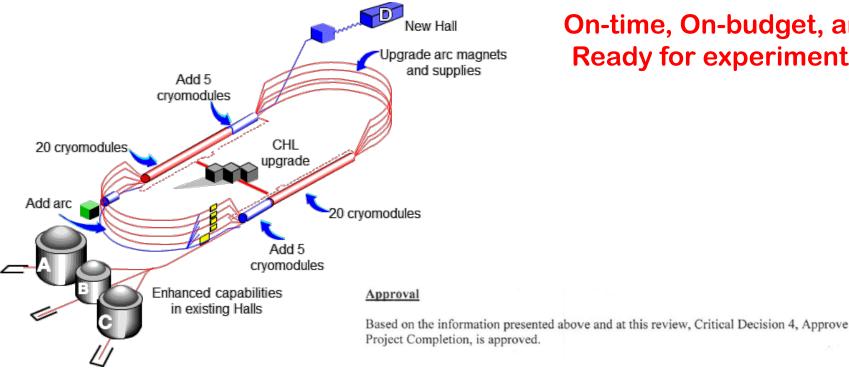
#### Jianwei Qiu Theory Center

Thomas Jefferson National Accelerator, VA, February 14-15, 2018

## Theory Center



### 12 GeV CEBAF Upgrade Project is Complete!



**On-time, On-budget, and Ready for experiments!** 

Dr. J. Stephen Binkley Deputy Director for Science Programs Office of Science

9/22/17

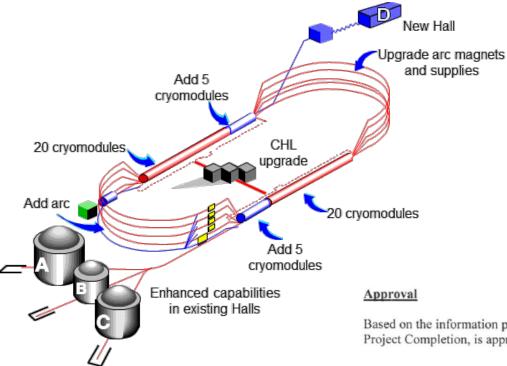
Date

12 GeV CEBAF Upgrade CD-4B (CD-4) ESAAB Approval

Page 8

Project Completion Approved September 27, 2017 Jefferson Lab

### 12 GeV CEBAF Upgrade Project is Complete!



On-time, On-budget, and Ready for experiments! How to deliver physics results quickly and

#### effectively?

# New ideas for future experiments?

Based on the information presented above and at this review, Critical Decision 4, Approve Project Completion, is approved.

#### & Binkley

Dr. J. Stephen Binkley Deputy Director for Science Programs Office of Science

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Page 8

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#### This two-day workshop ...

#### **Explore the physics opportunities of pi-K scattering:**

- Direct investigations of scalar and vector K\* states, …
- ♦ Inc
  ♦ Te
  - Independent extraction of CKM matrix element, ... teractions
     Test of the Unitarity Relation of CKM matrix elements in SM, ...
  - ♦ Study CP violation, …
  - ♦ Better test of lattice QCD calculations, ...

The Workshop will also aim at boosting the international collaboration, in particular between the US and EU research institutions and universities.

The Workshop would help to address the comments made by the PAC43, and to prepare the full proposal for the next PAC44.

#### ORGANIZING COMMITTEE

Moskov Amaryan, ODU, chair Eugene Chudakov, JLab Curtis Mayar, CMU Michael Pennington, JLab James Ritman, Ruhr-Uni-Bochum & IKP Julich Igor Strakovsky, GWU

WWW.JLAB.ORG/CONFERENCES/KL2016

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#### **Explore ideas for future experiments at JLab12:**



Opportunities and Strength of the proposed KL Facility at JLab for studying pi-K scattering, ...

♦ Continuous effort: KL2016, YSTAR, HIPS2017, PKI2018, …



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- Opportunities and Strength of the proposed KL Facility at JLab for studying pi-K scattering, ...
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  - □ Look forward to the exciting discussions, ... Enjoy the workshop, and Welcome!

