

Dr. Peter Križan,
Professor of Physics

Univerza v Ljubljani
Fakulteta za *matematiko in fiziko*

Jadranska 19
SI-1000 Ljubljana, Slovenia
tel.: +386-1-4773786
fax.: +386-1-4773166



email: peter.krizan@ijs.si
www-f9.ijs.si/~krizan/pk.html

Ljubljana, February 16, 2012

Prof. H. Aihara
University of Tokyo

Subject: US Belle II Conceptual Design Review

Dear Prof. Aihara,

Thank you for agreeing to chair the US Belle II Conceptual Design Review committee. The review should examine the state of the conceptual design of the US part of the upgrade in great detail, plans for executing the project, systems engineering and overall integration, as well as relations of the US part and the whole Belle II project.

Specifically, the review should examine the following issues.

- 1) The scope of the entire Belle II upgrade project and parts of that scope that will be carried by the US project. Is the US scope clearly defined?
- 2) Management of the interface between the international project and the US part of the project. Are the interfaces to the Belle II project clear and are appropriate communications channels in place to manage the interfaces?
- 3) Scope definition from each of the US University contributors.
- 4) Investigate for each system (TOP, KLM, commissioning detector) whether the technology is suitable to address the physics goals.
- 5) For each system, is the R&D complete and the system ready for production/fabrication?
- 6) What R&D remains to be completed to be ready for production? When do the reviewers feel that work can be completed? This should be specific to each of the three systems as we anticipate each system moving in to production at different times.
- 7) Is the R&D sufficiently complete to purchase the TOP quartz? If not, what remains to be done to be ready for quartz procurement?
- 8) Are there sufficient resources available within the US collaboration to complete the US scope (assuming DOE funding)? If not, what/who is missing?

9) Is there additional scope in the Belle II project that is not currently part of the US scope that the US could take on if additional resources were available? At what point in time would those resources be required and at what point would the decision to have the US take on that scope need to be made?

K. Abe (IPMU), H. Kichimi (KEK), J. Schwiening (GSI), S. Uno (KEK) and H. Tajima (Nagoya) have agreed to act as members of the review committee. The review is scheduled for March 15 and 16, and the formal report is expected within 2 weeks of the review.

I very much appreciate your assistance.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Peter Križan', written in a cursive style.

Dr. Peter Križan
Professor of Physics
Spokesperson of the Belle II Collaboration