

# Opening Address for 3<sup>rd</sup> ATF2 project meeting

## 18 to 20 Dec.

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From: Yukihide Kamiya <yukihide.kamiya@kek.jp>

To: Junji Urakawa <junji.urakawa@kek.jp>, <kenji.hosoyama@kek.jp>, oide katsunobu <Katsunobu.Oide@kek.jp>, sato koutaro <satok@post.kek.jp>, Kaoru Yokoya <kaoru.yokoya@kek.jp>, 照沼 信浩 <nobuhiro.terunuma@kek.jp>, "T.Tauchi" <toshiaki.tauchi@kek.jp>, 小野 正明 <onom@post.kek.jp>

**Subject:** <追加情報>クラブ設備移設スケジュール

皆様方へ

先日はお集まり頂き、有り難うございました。

細山グループとATFの間で今後のスケジュールの合意ができたと思います。

その後、物理第三収納庫（クラブ移転先）の引っ越しスケジュール及び建物整備について、素核研・家入さん、細山さんと施設部の間で相談しました結果、

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- ・ 第三収納庫を（遅くとも）1月15日前に明け渡す（1/15から細山グループが使えるようにする）。
  - ・ 施設部の工事は早急に発注する。（ただし、シャッターの工事完了は、2月中旬の予定）（工事及びスペースの調整は、細山さんと施設部で行う）。

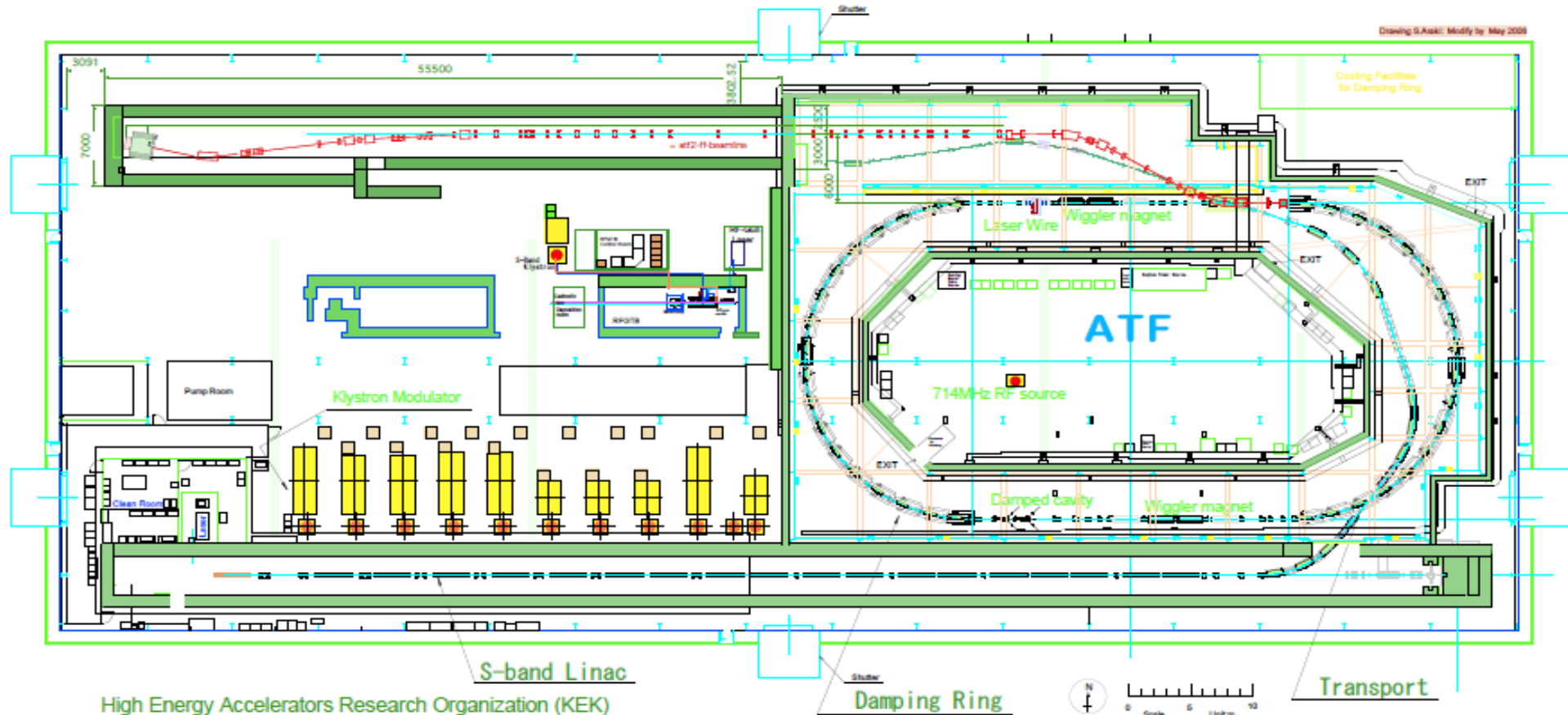
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ということになりました。以上、取り急ぎ、お知らせまで。

加速器・神谷

**Junji Urakawa (KEK)**

# ATF2 LAYOUT



We finished the design for floor refurbishment to order it on April 2007. This is an extremely challenging work in some senses. I guess we can rearrange the extraction line components within three months in 2008 summer shutdown. It requires a very good coordination. After the completion of ATF2 and the rearrangement of extraction line, we will connect both. We need a good schedule for ATF R&D programs to match the ATF2 construction and beam commissioning.

# ATF R&D Items (except for ATF2)

1. **Demonstration of Fast Kicker Performance with multi-bunch flat beam (No beam extraction, Measurement of Coherent Oscillation precisely), using strip-lines and FID pulse power supplies.**
2. Design and Installation on extraction fast kicker for ATF2, Specification : bunch-by-bunch extraction for generation of 30 bunches/train or 60 bunches/train.
3. **Almost perfect experiment for fast ion instability.**
4. **Impedance measurement of ATF DR (almost perfect bunch length measurement).**
5. **Micro-wave instability study (CSR measurement).**
6. **1pm vertical emittance generation study if possible.**
7. Other miscellaneous R&D (Instrumentation Development).

I think there will be a lot of discussions during 3<sup>rd</sup> ATF2 project meeting.

I hope you will have a good understanding of the situation of ATF2 project.

You know there are many boundary conditions due to existing facility.

I know well the environmental condition is extremely bad in Assembly Hall.

However, we have a possibility to realize about 35nm beam size during enough long period for ILC project. I think this is a good demonstration for the achievement of high luminosity. Also, it prepares a good place for the education to young accelerator Physicists and engineers.

Please enjoy your discussion and make a good friendship for demonstrating a good example of International Collaboration.