


# MDI Status

T. Tauchi, 12th July 2007

# new FFIR meetings : EDRに向けて

## 1. Meeting agenda/minutes

<http://ilcagenda.linearcollider.org/categoryDisplay.py?catId=103>










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### FFIR (Managers: Tauchi, T.; Toge, N.; KURODA, S.)



#### Events in this category:

▼ 2007







**July 2007**

19	 <a href="#">FFIR meeting</a>		
09	 <a href="#">GLD Seminar</a>		
05	 <a href="#">FFIR meeting</a>		

**June 2007**

19	 <a href="#">FFIR meeting</a>		
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**May 2007**

21	 <a href="#">FFIR meeting</a>		
15	 <a href="#">FFIR meeting</a>		
08	 <a href="#">FFIR meeting</a>		

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当面の検討課題として；

土屋氏："IR magnets and cryogenics system"

岩下氏："Permanent-QD0 design for ATF2-IP"

山岡氏："QD0 support system"

黒田氏："Optics issues with two different  $L^*$  ,  
e.g. 3.5m and 4.5m "

杉本氏："detector assembly on surface and underground"

阿部氏："background estimation along beam lines"

- thickness of W-mask (support tube) etc.

槇田氏 (低温グループ) : Contact/partner of B.Parker

"(anti-)DID, anti-solenoid integration in detector magnet"

# EDR-IR予算（概算）

## 最終収束電磁石QD0と実験ホール床の安定性

### 1. ATF2でのQD0プロトタイプ試験

冷却システム整備：1億円

QD0はB.Parker(BNL)が製作する

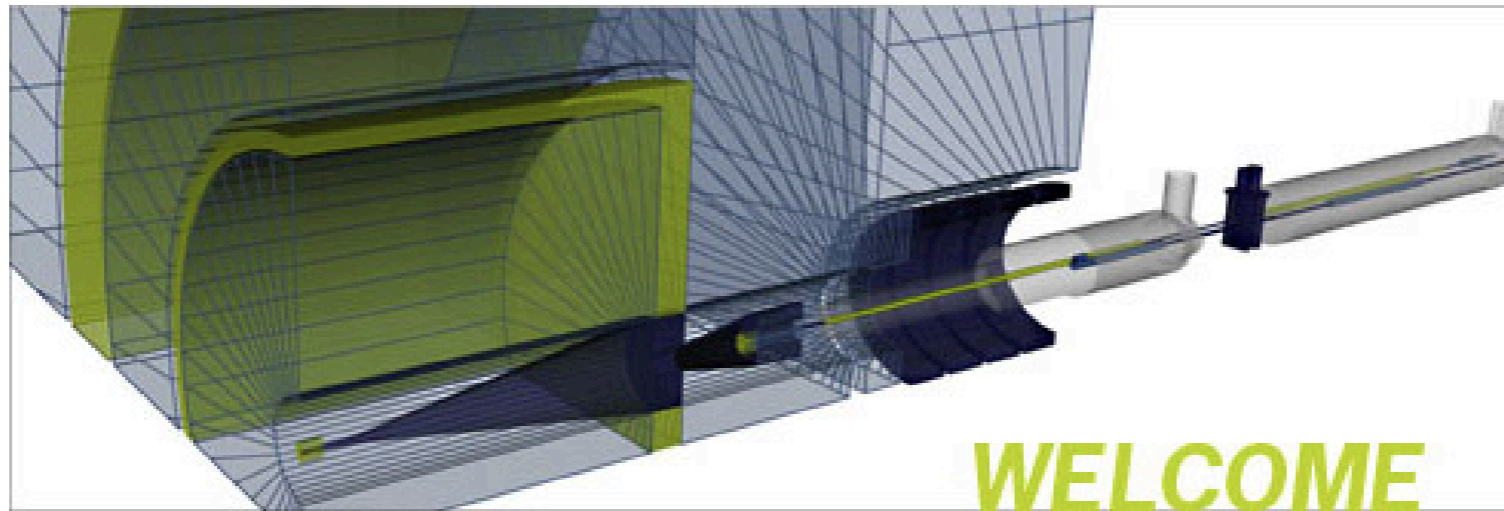
### 2. QD0のサポートシステム (ILC用)

R&D一式：5,000万円

### 3. プラットフォームの技術検討

会社/KEK：1,000万円

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## ILC Interaction Region Engineering Design Workshop

**September 17-21, 2007**  
**Stanford Linear Accelerator Center**  
**Menlo Park, California**

Please join us to review and advance the design of the subsystem of the Interaction Region of ILC, focusing in particular on their integration, engineering design and arrangements for push-pull operation.

- **WG-A, conveners meeting, July 5**
- **WG-D, conveners meeting, July 11**
- **WG-A, group meeting, July 12**

### RECENT NEWS

- **Agenda has been updated.**
- **IPAC has been formed.**
- **WG conveners were nominated.**
- **WGs starting their meetings.**

### REGISTRATION

Registration is necessary to participate in the workshop. Registration fee is \$30 and reception fee is \$20.

→ [Register](#)

### ACCOMMODATIONS

A block of 40 rooms is reserved until July 15, 2007 at the **Stanford Guest House**. Please reserve your room early and mention that you are attending this workshop.

→ [More Information](#)

# WGs, conveners and their charge

A : Overall detector design, assembly, detector moving, shielding.

Alain Herve, Tom Markiewicz, Tomoyuki Sanuki, Yasuhiro Sugimoto

B: IR magnets design and cryogenics system design.

Brett Parker, John Weisend, Kiyosumi Tsuchiya

C : Conventional construction of IR hall and external systems.

Vic Kuchler, Atsushi Enomoto

D : Accelerator and particle physics requirements.

Deepa A.-Kalinin, Nikolai Mokhov, Mike Sullivan, Hitoshi Yamamoto



	9/17/2007	9/18/2007	9/19/2007	9/20/2007	9/21/2007	
9:00-10:30	Introduction plenary, Kavli auditorium. Talks: 1) ILC IR and BDS design and workshop goals. 2) Physics requirements to IR design; 3) IR design experience from existing machines (LHC); 4) Experience from D0, CDF, PEP-II, KEK-B;	Plenary, Kavli. Talks: 1-3) Design and assembly of SiD, GLD-LDC, 4th concept; 4) Accelerator physics design of IR; 5) Alternative designs of IR	<div style="background-color: #FFDAB9; padding: 10px; text-align: center;"> <h2 style="margin: 0;">IR Eng. Workshop</h2> <h3 style="margin: 0;">Very tentative schedule</h3> </div>			
10:30-11:00	break	break				break
11:00-12:30	Plenary, Kavli. Talks: Continue on IR design from existing machines (IHEP, Frascati, etc).	Parallel working groups, WG-A: Overall detector design; WG-D: Acc and phys requirements. ROB rooms	Parallel working groups, WG-A, WG-C. ROB rooms	WG-A-B-C-D; Working tour to SLD hall	Post-summary work of working groups. ROB rooms or local offices	
12:30-13:30	lunch	lunch	lunch	lunch	lunch	
13:30-15:00	Plenary, Kavli. Talks: 1) IR conventional facility design 2) IR magnet and cryogenics design	Parallel working groups, WG-A, WG-D. ROB rooms	Parallel working groups, WG-B, WG-C. ROB rooms	Parallel working groups, WG-A-B-C-D, Summary preparation. ROB rooms	Post-summary work of working groups. ROB rooms or local offices	
15:00-15:30	break	break	break	break		
15:30-17:00	Parallel working groups, WG-B: IR magnets design and Cryogenics systems. WG-C: IR hall conventional facility design. ROB rooms	Parallel working groups, WG-B, WG-C. ROB rooms	End of the day plenary discussions, Kavli auditorium	Plenary, Kavli. Summary talks, WG-B; WG-A	Reserve	
17:00-18:00	Parallel working groups, WG-B: IR magnets design and Cryogenics systems. WG-A: Overall detector design. ROB rooms	End of the day plenary discussions, Kavli auditorium	End of the day plenary discussions, Kavli auditorium	Plenary, Kavli. Summary talks, WG-C; WG-D	Reserve	