

# Fermilab Conference Approval Request

**Ref:** CY01/002

**DATE OF REQUEST:** October 19, 2001

**REQUESTED BY:** Weiren Chou  
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Accelerator Laboratory  
Leader, ICFA Working Group on High Intensity  
Hadron Beams

**SPONSORING ORGANIZATION:** Fermi National Accelerator Laboratory

**COSPONSORING ORGANIZATION:** KEK

**CONFERENCE TITLE:** ICFA Workshop on High Intensity High Brightness  
Hadron Beams

**CONFERENCE DATE:** April 8-12, 2002

**PURPOSE AND OBJECTIVES:**

To discuss various beam dynamics issues associated with high intensity, high brightness hadron beams, and applications of such beams in high-energy physics, nuclear physics, and other fields.

**CONFERENCE LOCATION:** Fermi National Accelerator Laboratory

**RATIONALE FOR SELECTION OF CONFERENCE LOCATION:**

Due to an ongoing Proton Driver design study at Fermilab (which is part of the neutrino factory/muon collider activity and would be an upgrade of the present booster), it is expected that a significant number of Fermilab people would attend this workshop. It is, therefore, cost-effective to have this conference at Fermilab.

**ESTIMATED COST BREAKDOWN:****TRAVEL AND PER DIEM COSTS: (Transportation, Hotel, and Per Diem Only)**

DOE Employees (HQ)	\$ 1,000
DOE Employees (Field)	-0-
Contractor Employees (HQ)	1,000
Contractor Employees (Field)	<u>32,000</u>
<b>Total DOE Travel Costs</b>	<b>\$34,000*</b>

\*In order to avoid double counting registration fee costs, registration fees for DOE/DOE Contractors are included as part of the "Other Expenses."

**OTHER EXPENSES:**

Logistics: (Food and Bus Rental)	\$15,134
Supplies and Support, Equipment: (Duplicating, Graphic Arts Design, Poster Printing and Mailing, Proceedings, Postage, A/V Rental/Service)	13,496
Other: (Speaker Support, Labor, Special Events)	<u>20,125</u>
<b>Sub-Total Other Expenses</b>	<b>\$48,755</b>
<b>Less URA Support of Special Events</b>	<b>- 8,125</b>
<b>Less Registration Income Non-DOE Participants (60 x \$250)</b>	<b><u>-15,000</u></b>
<b>Total Other Expenses (to DOE)</b>	<b>\$25,630</b>
<b>TOTAL ESTIMATED DOE COSTS:</b>	<b>\$59,630</b>

**ESTIMATED TOTAL NUMBER OF CONFERENCE ATTENDEES:**

	<u>Traveling</u>	<u>Non-Traveling</u>
DOE Employees (HQ): - Office of Science	1	
DOE Employees (Field):		

- Fermi Group		1
DOE Contractor Employees (HQ):		
- URA	1	
DOE Contractor Employees (Field):		
- Fermilab		25
- ANL		5
- BNL	5	
- LANL	5	
- LBNL	5	
- LLNL	2	
- ORNL	5	
- Sandia	2	
- SLAC	5	
- TJNAF	3	
Others:	60	
(Non-DOE Contractors, including universities, industries, and people from other countries)		
Total:	<u>94</u>	<u>31</u>

### **SUPPORT CONTRACTOR PERFORMANCE:**

Graphic art services may be required of an outside contractor in order to prepare original artwork for the announcement poster. A contract will also be made with a local bus company to provide transportation for participants from and to area hotels. Neither of these contractors will be responsible for handling any Government functions.

### **IMPACT STATEMENT:**

The study of high intensity, high brightness hadron beams is an important part of the DOE-sponsored research activities. It is closely related to such DOE programs as spallation neutron source, high intensity muon and kaon sources, neutrino factory, muon collider, etc. It would have adverse effects to this active field if this conference were not approved. Furthermore, the International Committee on Future Accelerators has approved this workshop. It would damage our collaboration with laboratories in other countries (e.g., KEK, CERN, and TRIUMF) if this conference would not take place.

### **POINT OF CONTACT FOR THE SPONSORING ORGANIZATION:**

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Approved: \_\_\_\_\_  
John W. Cooper, Head, Particle Physics Division Date

Fermilab Funding Approved: \_\_\_\_\_ Source of Funding: \_\_\_\_\_

Approved: \_\_\_\_\_  
Michael H. Shaevitz, Associate Director for Research Date

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