

## **Proposals for Accepting Offers for In-kind Contributions to the ATLAS Common Projects**

### **Proposals**

The ATLAS Management, supported by the ATLAS Executive and Collaboration Boards, invites the RRB to approve the following allocations of in-kind contributions to the ATLAS Common Projects:

#### Support Mechanisms for Movable Services

After detailed studies of the technical requirements on the movable services for the end-cap calorimeters and toroids the Technical Coordination has been discussing possible solutions with a German company. MPI, Germany, proposes to offer the support mechanisms for the services, including the final design, as an in-kind contribution for a CORE value of 0.75 MCHF.

Germany/MPI

CORE value: 0.75 MCHF

### **Adjustment of Allocation**

#### Detector Support Structures

In October 2000, the RRB approved an in-kind contribution from Russia and JINR on the so-called "Feet & Rails" structures. The arrangement was as follows:

CORE value:	3.25	MCHF	Russia
	1.0	MCHF	JINR
	2.0	MCHF	ATLAS Common Fund
<b>Total:</b>	<b>6.25</b>	<b>MCHF</b>	

Following changes in the Russian deliverables agreed in the '5+5 meeting' in October, 2000, as well as changes in the scope the work and in responsibilities between Russia and JINR, the contributions are proposed to be adjusted as follows:

New CORE value:	2.05	MCHF	Russia
	0.6	MCHF	JINR
	3.0	MCHF	ATLAS Common Fund
<b>Total:</b>	<b>5.65</b>	<b>MCHF</b>	

### BT Warm Structure

In April 2000, the RRB approved the in-kind contributions of 650 kCHF from Russia and 800 kCHF from JINR for the Barrel Toroid warm structures. Following changes in the sharing of responsibilities between Russia and JINR, the contributions are proposed to be adjusted as follows:

New CORE value:	250	kCHF	Russia
	1 200	kCHF	JINR

### Electron Beam Welding Tool

In April 1998, the RRB approved an in-kind contribution from CEA France worth 800 kCHF. At the time, it was assumed that the Barrel Toroid coil casings would be manufactured using electron beam (EB) technology with the CEA tool worth 800 kCHF. Due to several reasons, the Magnet Project Group concluded in its review in May 2000, not to use the EB welding technology. Therefore, it is proposed to that this contribution related to the EB welding tool is reduced from the recorded efforts so far.

### **Forthcoming Procurements of Common Project Items and Offers for In-kind Allocations**

In order to secure the necessary national support, the ATLAS Management has been asked to bring to the attention of the RRB the following forthcoming procurements of Common Project items and expressions of interest for in-kind contributions.

#### Common Magnet Items:

- proximity cryogenics (CORE value: 3.5 MCHF)
- power circuit components (CORE value: 2.5 MCHF, interest expressed by CERN, Israel, INFN)
- BT cryoring (CORE value: 1.1 MCHF)
- BT installation (CORE value: 1.4 MCHF)

### Infrastructure:

- copper shielding plugs ( CORE value: 1.2 MCHF, interest by Australia )
- shielding blocks (CORE value: 5.2 MCHF)
- trucks for the detector support structures (CORE value: 0.6 kCHF, interest expressed by Poland)