

**ADDENDUM 1 to
ATLAS AGREEMENT No. 404 / 12**

**Financing of the ATLAS12 sensors for the Inner Tracker
(ITK) R&D**

BETWEEN

The ATLAS Collaboration
Represented by the ATLAS Resources Coordinator

on the one hand,

AND

The Institutes of the ATLAS ITK R&D effort represented by those responsible for their funding

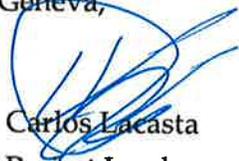
on the other hand

IT IS AGREED AS FOLLOWS:

ARTICLE 1 SCOPE OF THIS ADDENDUM

1.1 The purpose of the Addendum is two-fold: to clarify the cost sharing and past payments towards the ATLAS12 sensor order through HPK Switzerland; and to establish agreement for the cost sharing for imminent ATLAS12EC orders and payments owed from the previous delivers of 20 ATLAS12A and 20ATLAS12M sensors

Signed in Geneva,



Carlos Lacasta
Project Leader
ITK ATLAS12 order



Fido Dittus
Resources Co-ordinator
ATLAS Collaboration

Participating institutes, represented by:



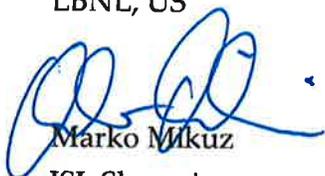
Carl H. Haber
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Marko Mikuz
JSI, Slovenia

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Ulrich Parzefal
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Ingrid Gregor
DESY, Germany

Zdenek Dolezal
Charles University,
Czech Republic


Richard Brenner
U. Uppsala, Sweden

Giuseppe Iacobucci
Geneva, Switzerland

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Yoshinobu Unno
KEK, Japan

APPENDIX 3 – SENSORS ORDERED THROUGH HPK Switzerland

Reference		Number	Item cost (kCHF)
ATLAS12M	Mixed axial/stereo barrel strip sensors (Geneva)	20	53.039
ATLAS12A	Axial only barrel strip sensors (US)	20	35.550
	Endcap strip sensors		9.780
ATLAS12EC	(IFIC,JSI, BMBF,DESY, Prague, Uppsala)	20	MJPY

The table above gives the actual costs to the project in KCHF for the 20 ATLAS12A and 20 ATLAS12M already delivered and the quote in MJPY for the current submission of the ATLAS12EC sensors. The size of each type with groups participating in each order has also been indicated.

Funding Agency/Institute	Country	Amount Paid (CHF)
Geneva	Switzerland	24,158.70
LBNL	USA	18,480.02
IFIC	Spain	9,678.48
JSI	Slovenia	4,022.02
U. Freiburg/BMBF	Germany	9,678.48
DESY	Germany	14,517.32
Charles University/Prague	Czech Republic	4,022.02
U. Uppsala	Sweden	4,025.99
Total		88,583.03

APPENDIX 4 – Cost sharing for ATLAS12EC order and payments in arrears for ATLAS12A and ATLAS12M orders

Due to lack of clarity in the previous agreement, Geneva and the US have been under-charged for the received ATLAS12M and ATLAS12A sensors, respectively. The amount still due are as follows:

Funding Agency/Institute	Country	Amount Due (CHF)
Geneva	Switzerland	28,881.11
LBNL	USA	17,070.91

For the groups participating in the ATLAS12EC order, the final costs in CHF until billed by HPK Switzerland due to variation in the CHF-JPY exchange rate. The table below gives the cost and sharing fractions in MJPY for the order. The amounts paid already (shown in Appendix 4) will be used as a credit for the ATLAS12EC order.

Funding Agency/Institute	Total Cost (9.78 MJPY)	Fraction of ATLAS12EC order
Spain/IFIC	2.058 MJPY	21.0%
Slovenia/JSI	0.858 MJPY	8.8%
Germany/BMBF (Freiburg)	2.058 MJPY	21.0%
Germany/DESY	3.088 MJPY	31.6%
Czech/Charles U.	0.858 MJPY	8.8%
Sweden/Uppsala	0.858 MJPY	8.8%

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Signed in Geneva,

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Project Leader
ITK ATLAS12 order

Fido Dittus
Resources Co-ordinator
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