	<p>ADDENDUM 1 to ATLAS AGREEMENT 557/2015</p>
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**ADDENDUM 1 to
ATLAS AGREEMENT No. 557 /2015**

**Financing of the HCC ASICs for the Inner Tracker (ITK)
R&D**

IT IS AGREED AS FOLLOWS:

ARTICLE 1 SCOPE OF THIS ADDENDUM

- 1.1 The purpose of the Agreement is to agree on the cost sharing for the MOSIS run of 1000 HCC to complete the original agreement as identified in appendix 4.

Signed in Geneva,

Steve McMahon

ITK Project Leader

ATLAS Collaboration

Fido Dittus

Resources Co-ordinator

ATLAS Collaboration

Participating institutes, represented by:

Carl H. Haber
LBNL, US

Anthony Affolder
STFC, UK

②

Carmen Garcia
IFIC/CSIC-UVEG, Spain

Marko Mikuz
JSI, Slovenia

Ulrich Parzefall
BMBF (Freiburg), Germany

Ingrid Gregor
DESY, Germany

Zdenek Dolezal
Charles University,
Czech Republic

Richard Brenner
U. Uppsala, Sweden

Auke Pieter Colijn
NIKHEF, Netherlands

Peter Krieger
NSERC, Canada

①

Yoshinobu Unno
KEK, Japan

APPENDIX 4 – COMMITMENTS OF FUNDING OF THE 1000 ADDITION HCC TO COMPLETE THE ORIGINAL AGREEMENT

With the evaluations of the HCC progressed well, we are confident to place the order the rest of the HCCs to meet the declared needs of the community for hybrid and module development. HCCs are produced in Global Foundries (ex-IBM) 130 nm 8RF by MOSIS in MPW runs. The current MPW run is under-subscribed so we are able to produce 1000 HCC with delivery in roughly 3 months. The cost of the order is 166117.5 CHF which is well within our estimate in the original agreement of 150-250 kCHF.

Below are the funding commitments of the participating institutes within the 3 communities.

<i>Endcap</i>	68107 CHF	41%
Canada/NSERC	3322 CHF	2%
Czech/Charles U.	4983 CHF	3%
Germany/BMBF (Freiburg)	14951 CHF	9%
Germany/DESY	14951 CHF	9%
Netherlands/NIKHEF	14951 CHF	9%
Poland/AGH Univ.		
Slovenia/JSI	4983 CHF	3%
Spain/IFIC	4983 CHF	3%
Sweden/Uppsala	4983 CHF	3%
<i>Stave</i>	76414 CHF	46%
UK/STFC	38207 CHF	23%
US/DOE	38207 CHF	23%

Signed in Geneva, 19 April 2016.

Steve McMahon

ITK Project Leader

ATLAS Collaboration

Fido Dittus

Resources Co-ordinator

ATLAS Collaboration

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Carl H. Haber
LBNL, US

Anthony Affolder
STFC, UK

Carmen Garcia
IFIC/CSIC-UVEG, Spain

Marko Mikuz
JSI, Slovenia

Ulrich Parzefall
BMBF (Freiburg), Germany

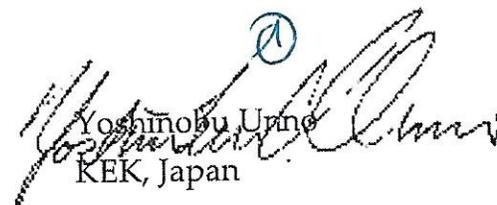
Ingrid Gregor
DESY, Germany

Zdenek Dolezal
Charles University,
Czech Republic

Richard Brenner
U. Uppsala, Sweden

Auke Pieter Colijn
NIKHEF, Netherlands

Peter Krieger
NSERC, Canada


Yoshinobu Uno
KEK, Japan

<i>Supermodules</i>	21596 CHF	13%
Japan/KEK	21596 CHF	13%

Signed in Geneva,

Steve McMahon

ITK Project Leader

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U. Uppsala, Sweden

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NIKHEF, Netherlands

Peter Krieger
NSERC, Canada

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KEK, Japan