



ITk Pixel – Outer Endcaps Loaded Local Supports

ATLAS ITk-Pixel Project

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Local Supports Loading

for the ITk Pixel Outer Endcaps

Provided for the ITk Pixel Outer System Loaded Local Supports Preliminary Readiness Review

28 February – xxx 2024

This document describes the procedures and equipment for the loading of modules and on-detector services in the ITk Pixel Outer Endcaps. It also describes the validation of these procedures and equipment.

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Distribution List

Atlas ITk Collaboration , PRR Review panel

History of Changes

<i>Rev. No.</i>	<i>Date</i>	<i>Sections</i>	<i>Description of changes</i>
V0	02/02/2024	All	BV: First Emission (Template)

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Ben Smart

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2.4 Gantry

2.5 Microscope

2.6 Z height measurements

2.7 Glue deposition and mixing

2.8 Auxiliary equipment

2.9 Environmental monitoring

3 Storage

Gabriele Chiodini

3.1 Quad Modules

3.2 Unloaded Half Ring

3.3 Power Pig Tail and data PP0

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4 Handling and protection

Gabriele Chiodini

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Ben Smart

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Ben Smart

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8 Reworking

Ben Smart

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Daniel Hynds

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9.3 DCS

9.4 Interlock hardware and matrix

9.5 DAQ

Genova

9.6 Thermal cycle

Stefano

9.7 Electrical tests

9.8 Non-electrical tests

10 PDB

Juliette Martin

10.1 Electrical tests

10.2 Metrology

10.3 Visual Inspection

11 Storage

Gabriele Chiodini

12 Transport

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