B. Dorney, I. Vai
On behalf of the CMS Collaboration
2015 Test Beam Campaign

• LS2 era CMS upgrade
  – GE1/1 Superchamber

• LS3 era CMS upgrade
  – ME0 candidate detector
  – Fast Timing Micropattern
Experimental Setup

Add cable trays for routing between our setup
Experimental Setup

- With help of CMS & RD51 communities we were able to put together excellent setup this year
2015 Beam Time: GE1/1

• First ever GE1/1 super chamber
  – Studied improvement gained by taking OR/AND of chambers

• Readout with full CMS DAQ chain
  – Same DAQ we will use in the “slice test”

• Test of “online data quality monitoring” prototype
  – First experience with how we will monitor data coming from online streams in P5
2015 Beam Time: Phase II R&D

- Fast timing micropattern detector
- Studied:
  - Time resolution
  - Transparency
  - Uniformity

Reference: arXiv:1503.05330v1

...Analysis on-going!!!
2016 Requests

• Interested to participate in the 1\textsuperscript{st} available beam period of 2016
  – Q: When is earliest period? May? June?

• Interested in use the Goliath Magnet for studies in magnetic field
  – Q: Is this possible for 1\textsuperscript{st} period of next year?
Many Thanks to

• CMS GEM & RD51 communities
• Eraldo
• Yorgos