



AUP strand and cable parameter tracking review

US-HiLumi-doc-4184 Other: Date: 08/26/2021 Page 2 of 4

TABLE OF CONTENTS

1.	CHARGE QUESTIONS	3
2.	TECHNICAL INFORMATION	1
3.	REFERENCES	1



AUP strand and cable parameter tracking review

1. Charge questions

The committee is requested to answer the following questions:

- 1. Is the correct set of parameters tracked during the AUP strand production and is the tracking effectively used to spot statistical deviations that may affect quality?
- 2. Is the correct set of parameters tracked during the AUP cable production and is the tracking effectively used to spot statistical deviations that may affect quality?
- 3. Is the cable mechanical stability issue fully understood? Are root-causes identified and appropriate actions have been taken to prevent similar issues in the future?
- 4. Do you have any other comment or recommendation regarding how parameters are tracked for quality purposes for strand and cable?



2. Technical information

Committee

Arup Ghosh, BNL retired Bernardo Bordini, CERN

Date and Time

August 26, 2021. Start time is 7/9/10/16 (LBNL/FNAL/BNL-FSU/CERN)

Location/Connection

Video-link by Zoom, info by email.

Link to agenda with talks and other documents

https://indico.fnal.gov/event/50545/

3. References

- 1) MQXFA Functional Requirements Specification, US-HiLumi-doc-36
- 2) Specification for Quadrupole Magnet Conductor, US-HiLumi-doc-40
- 3) Cable Specification, US-HiLumi-doc-74
- 4) Quadrupole Magnet Cable Insulation, US-HiLumi-doc-75
- 5) QXFA Series Coil Production Specification, US-HiLumi-doc-2986