

## ACCEPTANCE SUMMARY FOR LHC MAGNETS BUILT AT BNL

Magnet D2L109

Date of this summary: 1 July 2005

This document contains a short summary of the acceptance status (in italics, just below), the minutes of the acceptance meeting, and actions taken after the acceptance meeting [in square brackets within the text of the minutes, or as footnotes].

### Acceptance status:

*The BNL magnetic acceptance committee has approved this magnet for shipment.*

*The field quality data have been loaded in the CERN database.*

*The survey data have been sent to D. Missiaen.*

*The ID card has been sent to R. Ostojic.*

### MINUTES OF ACCEPTANCE MEETING

Date of acceptance meeting: 30 June 2005

Present at acceptance meeting: Escallier, Hocker, Jain, Muratore, Pilat, Plate, and Wanderer

Quench Data: Muratore showed the quench performance of the magnet. In forced flow, the magnet exceeded the specified quench current on the first quench. It also quenched above the specified current in liquid. The quench plots and tabulations are available on the Web at [http://www.bnl.gov/magnets/LHC\\_Acceptance/D2\\_Test\\_Results.asp](http://www.bnl.gov/magnets/LHC_Acceptance/D2_Test_Results.asp)

Field Quality: Jain showed the warm data and cold data from the magnet. (His talk is at the Web address given above.) Pilat approved the magnet's field quality.

Engineering: Escallier reported that the magnet meets electrical specifications. Schmalzle, by email, reported that the mechanical construction of the magnets, including the survey data, meets mechanical specifications [1].

QA: Hocker concluded from his QA review that the magnet was ready to ship, subject to resolving confusion over which was the final survey file. [This confusion was resolved by Schmalzle on 1 July.]

Safety: Durnan reviewed the documentation after the meeting and approved it by email [2].

These notes written by P. Wanderer

### FOOTNOTES

[1] Email from J. Schmalzle to P. Wanderer, 24 June 2005:

I will be out of the office and therefore unable to attend the acceptance meeting. I have reviewed D2L109 and give my "Cog E OK" for acceptance.

[2] Email from J. Durnan to P. Wanderer, 1 July 2005:

Reviewing my files I did not find any safety concerns for magnet D2L109.