



August 11, 2003

Dr. Michael Witherell, Director  
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Batavia, IL 60510-0500

Dear Mike:

We are grateful that you explained your thinking regarding Run II and the upgrades to the DØ meeting Friday, August 1. Following the discussion, the European groups do however feel the need to make you once again aware of the potentially disastrous impact on our future commitment to DØ, if you decide to stop funding the silicon upgrade.

As pointed out at this meeting, we have already had to struggle hard to obtain the appropriate funding this year because of the unsatisfactory performance of the Tevatron and of the negative repercussions of the Run IIb 'debate'. We are afraid that from 2006 onwards, with LHC data taking imminent, we will only be able to maintain our participation if DØ has the chance of a making a major discovery. This requires both a substantial increase in the Tevatron luminosity and a detector which can exploit it. Without an upgraded silicon detector a substantial amount of the physics that made us join DØ will be out of reach and the experiment loses its competitiveness.

We, the national contacts for the European groups in DØ (which now make up about half of the collaboration) write this letter to make sure that the implications of your decision are clear. We enjoy working in DØ and believe that with the full detector upgrade DØ is in a position to continue doing leading physics. We would like to maintain our commitments to DØ beyond 2006. However, a negative decision on the upgrade may leave us with no funding to continue.

We therefore urge you to send a clear signal of your commitment to DØ and Run IIb. We ask you to continue to work towards the Tevatron design performance and to continue to provide the necessary funding for the silicon detector upgrade.

With best regards,

Peter Maettig (Aachen, Bonn, Freiburg, Mainz, Munchen, Wuppertal)  
Pierre Petroff (IN2P3: Grenoble, Marseille, Orsay, Paris VI and VII, Strasbourg)  
Terry Wyatt (Lancaster, Imperial, Manchester)  
Sijbrand de Jong (NIKHEF: Amsterdam, Nijmegen)  
Barbro Asman (Swedish Consortium: Lund, Royal Institute, Stockholm, Uppsala)

Cc

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