

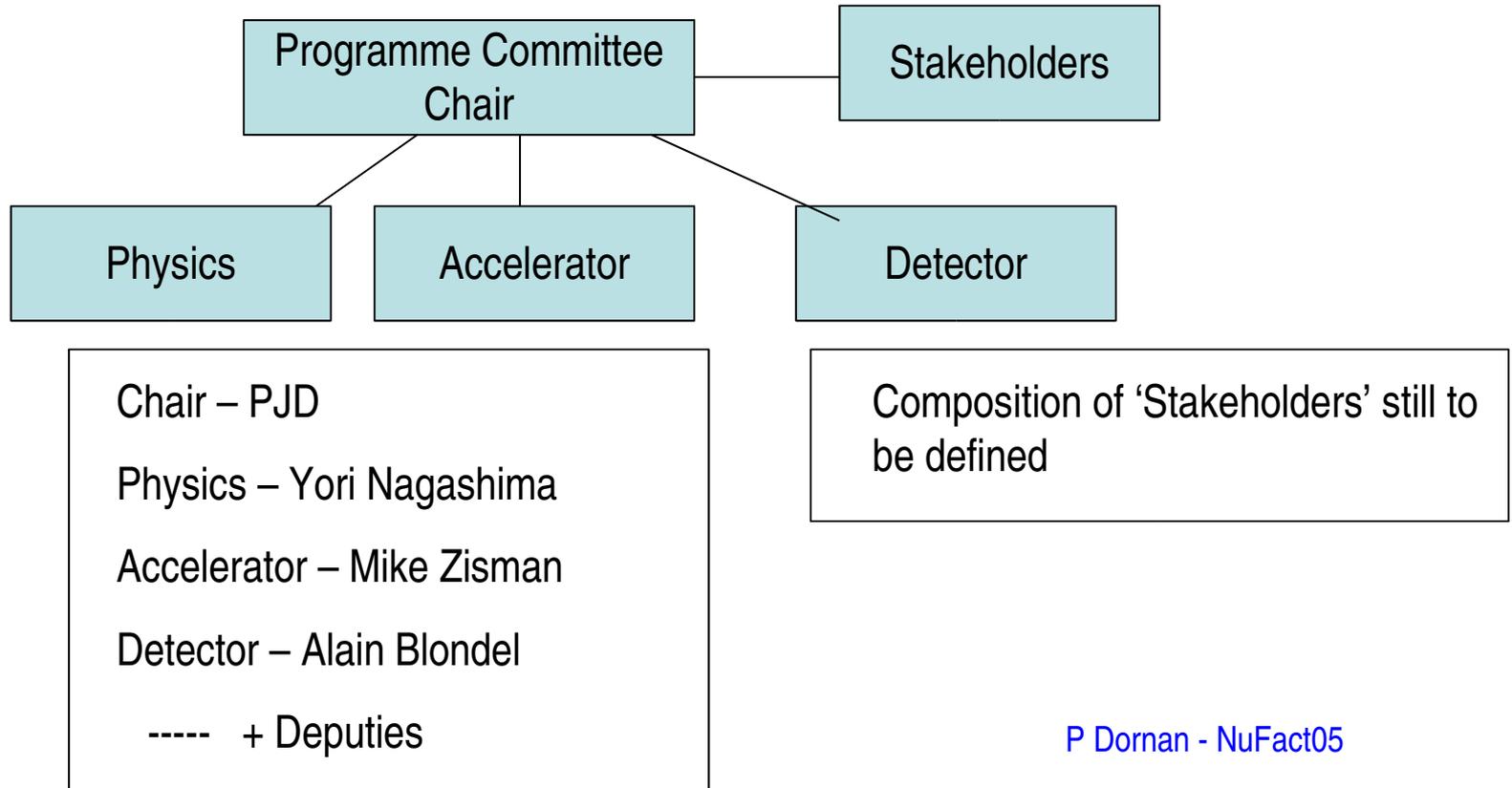
An International Scoping Study of a Neutrino Factory & Super- beam Facility

A Little History

- **NuFact03**
 - Desire for a new World Design Study towards a future Neutrino Factory - to succeed Studies I, II and IIa in the US - failed to get support
- **2004**
 - Plan for a proposal to 2nd call in EU FP6 design study programme - 2nd call cancelled
- **April 2005**
 - John Wood – CEO CCLRC(RAL) – requests a ‘Scoping Study’ for a future neutrino factory – and promises support

- **May 2005**

- Meeting in London to start the process (~40 people came at short notice)
- Committee – S Geer, Y Kuno, V Palladino, K Peach charged with setting up the organisation



Tentative Plans

- **Working Groups**
 - Procedures to be defined by the working group convenors and their deputies
- **Programme Committee**
 - Will meet every 3 months in Europe, Japan & US to review progress and report to Stakeholders
- **Stakeholders**
 - Not finalised – organisations supporting the study such as RAL (host lab), regional neutrino factory groups
- **Final Report**
 - Presentation to NuFact06 and a written document Sep 2006
 - First meeting of Programme Committee, July 13,14 to finalise plans

Aims → Final Report

- **A one year study**
 - More details in the document - but primarily
- **To review the physics case for an accelerator neutrino complex post-T2K and Nova**
- **To compare options - and complementarities**
 - Super-beam + detector
 - Neutrino Factory + detector
- **Result to lay foundations for a full CDR for such a facility by 2009/10**
- **- and to form the basis of a proposal (early 2007) to the EU P7 programme for funding for such a CDR**

Why 2009/10 for CDR

- LHC will have produced first results
- LHC will have been paid for
- PEP2 & Tevatron programmes will have ended
- **so funds should become available for new projects**
- **But there will be many calls**
 - Linear Collider, S-LHC.....
- **The Neutrino Community must have a coherent well-argued plan at that time to obtain support for a major project for second half of next decade**
 - **time is short**

Request (1)

- **That the neutrino community at NuFact05 endorse the plan for the one-year international scoping study for a neutrino factory and super-beam facility**
 - Will form the basis of a statement to the news organisations, interactions.org etc.
- **The plan was presented to ECFA on Thursday and Friday and received strong support**

Request (2)

- **Contribute to the working groups to make it a success**
 - **Everyone welcome - Contact**
 - Physics group - Yori Nagashima - nagay@snow.dti2.ne.jp
 - Accelerator Group - Mike Zisman - mszisman@lbl.gov
 - Detector Group - Alain Blondel - Alain.Blondel@cern.ch
 - **or me**
 - Peter Dornan – P.Dornan@imperial.ac.uk
- **A website is being prepared and this request will go to all who attended NuFact05 and to the neutrino email lists**