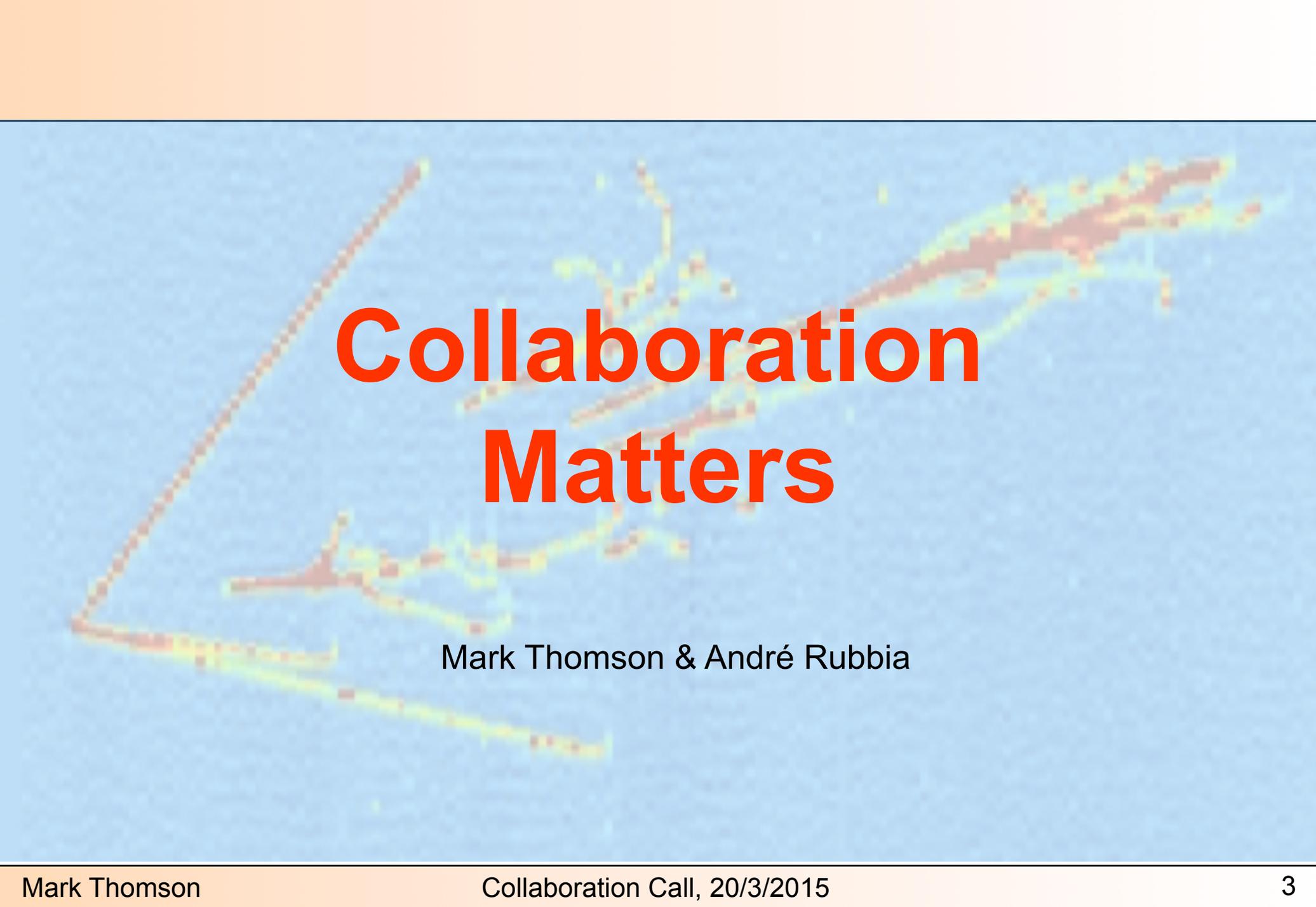


A blue background with several particle tracks. One track is a straight line of red dots extending from the top-left towards the center. Other tracks are more complex, consisting of multiple lines of red and yellow dots that branch and curve across the frame.

Welcome

Mark Thomson & André Rubbia

- ★ **Welcome to the Deep Underground Neutrino Experiment**
 - First (of very many) **DUNE** collaboration calls
- ★ **We are here because of a remarkable scientific opportunity**
 - Multiple chances for major discoveries:
 - Leptonic CPV/MH
 - Proton decay
 - Super-Nova
 - Strong support from Fermilab, CERN, the US DOE, +...
 - Strong foundation from LBNE, LBNO and elsewhere
- ★ **Aiming to build DUNE into vibrant and coherent entity**
 - Recognize past expertise [not a restart]
 - + enable/encourage new collaborators to get involved
 - + **build for the future** – need to engage younger members



Collaboration Matters

Mark Thomson & André Rubbia

Our first task: “CD-1-Refresh”

★ Our first steps towards realizing DUNE...

- CD-1-Refresh review
- Later in year CD-2a/CD-3a for conventional facilities at SURF - would allow funds to be committed for excavation
- The “CD-1-Refresh” process is an **essential step**
- **We must get this right despite the limited time**

★ CD-1-R:

- Covers both facility (LBNF) & Experiment
- Exact structure of documentation being discussed

★ Timeline:

- **2 – 3 June**: Director’s Review
- **22 – 23 June**: PAC
- **6 – 8 July**: Full DOE review

**Time is
very short**

“CD-1-Refresh”

★ Scope:

- Strategy for implementing DUNE
 - a proposal is being developed by the co-spokes
 - will be presented to IB & then collaboration
- Science + technology
- Cost range (including alternatives)
- Schedule (we need a **clear plan**)
- **Given the timescale, we must be realistic**
 - Won't overreach when setting scope of documents

★ Organizing the work:

- Until governance rules are in place (April), cannot put in place full collaboration structure, WGs, etc.
- **But must start CD-1-R work immediately**

CD-1 Task Forces

★ Setting up “Task Forces” charged with delivering CD-1-R documents

- Recommendations for task-force leaders from the IB
- Will appoint the task force leaders in next day or two
- “Task Forces” will stay in place until CD-1-R is delivered
- Due to short timescale TFs leaders will build strongly on previous experience/expertise

★ After CD-1-R implement full WG structure

- Goals are longer-term, WG conveners will be drawn from broader collaboration, combine
 - Experience
 - Desire to engage wider collaboration
 - + Give roles to younger members of collaboration

CD-1 Task Forces

★ Task Forces – all focused on CD-1

- Physics
 - LBL Neutrino Oscillations
 - Nucleon Decay & Atmospheric
 - Super-Nova Physics
- Far Detector
- Near Detector
- Systematics
- Beam Requirements
- DAQ/Online
- Reconstruction
- Computing/Software Infrastructure?
- CERN Prototypes [with existing conveners]

Tempus Fugit

★ Time is short...

- The collaboration needs to pull together quickly
 - task-force meetings will be open to all
 - must build on experience [otherwise we will fail]
 - Strongly encourage broad involvement

DUNE WGs

★ DUNE Working Groups

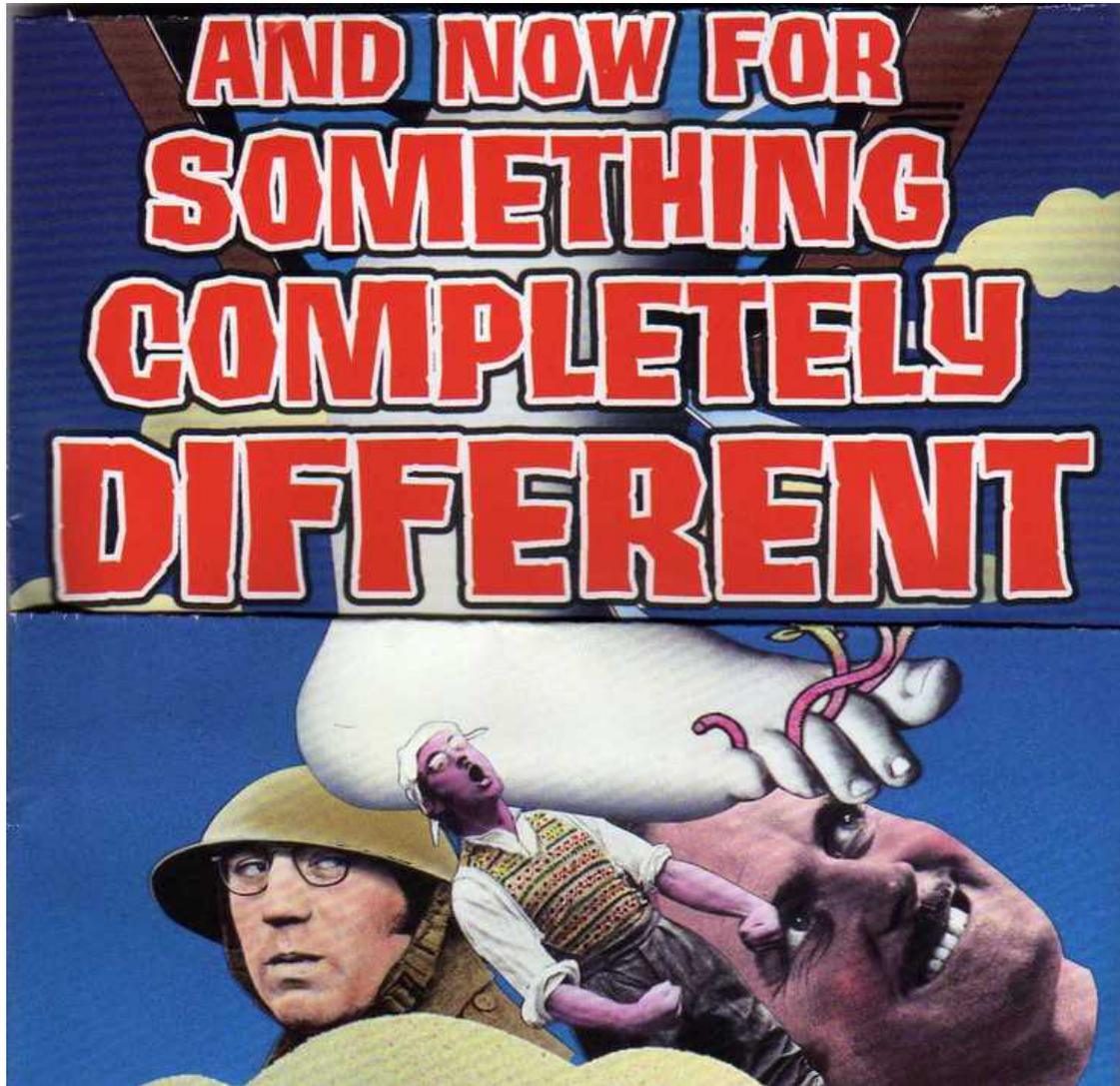
- current focus on CD-1-R
- **TFs remain in place until work is done**
- Then set up WGs

★ However, would like to set up

- 35-ton Prototype DUNE WG with immediate effect

Communication/Meetings

- ★ Things are progressing rapidly...
- ★ Try to ensure good communication with the collaboration
- ★ Intend to continue these **weekly** collaboration calls
 - **Strictly keep to one hour**
 - Two/Three short presentations
 - Agenda announced ~two days in advance
 - If someone has suggestions/proposals please email us



Logo Competition

★ Now the for the important part of this talk...

★ The **DUNE** logo competition

- Submit suggestions to:
 - TBC in email that will follow
 - **Please no worms...**
 - **“Sting” should not appear in any form...**
- Suggestions will be posted on a web site as they arrive
- Submissions by **Friday 3rd April**
- Propose that IB select/vote for top three possibilities
- Then Collaboration-wide vote...
- Aim to announce the result a the collaboration meeting

Over to Joe