

Welcome to SiD Workshop

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Thanks to:

Marcel Stanitzki, Steve Worm, Andrei Nomerotski,

Joel Goldstein, Mike Tyndel

UK involvement in linear collider (i)

- **Strong physics interest since Saariselka workshop (1991),
UK actively engaged in ECFA/Worldwide Studies**
- **Detector R&D:**
 - LCFI (pixel vertex detector)**
 - CALICE-UK (calorimetry)**
- **Machine:**
 - LC-ABD (accelerator-beam delivery)**
- **Theory + phenomenology community**

Detector R&D Collaborations

CALICE-UK:

Birmingham

Cambridge

Imperial College

Manchester

Royal Holloway

Rutherford-Appleton Lab.

UCL

LCFI:

Bristol

Glasgow

Edinburgh

Liverpool

Oxford

RAL

UK involvement in linear collider (ii)

- **Around 100 FTEs**
- **Almost every UK university particle physics group + RAL + Daresbury involved**
- **2007/8: £7M = 10MEuro = \$14M per annum**

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An ongoing UK 'LC' programme looks very likely

with apologies to Mark Twain

**‘rumours of [our] death have
been greatly exaggerated’**

UK involvement in SiD

- **Bristol, Imperial College, Oxford, RAL signed SiD EoI**
- **Main interests:**
 - vertex detector: sensors, electronics, mechanics ... (SW, AN, JG)**
 - calorimeter: active sensor technology, readout system ... (PD, MS, MT)**
 - machine-detector interface (PB)**
 - PFA, physics benchmarking (MS, AN)**