

### Status of EUROTeV

#### E.Elsen



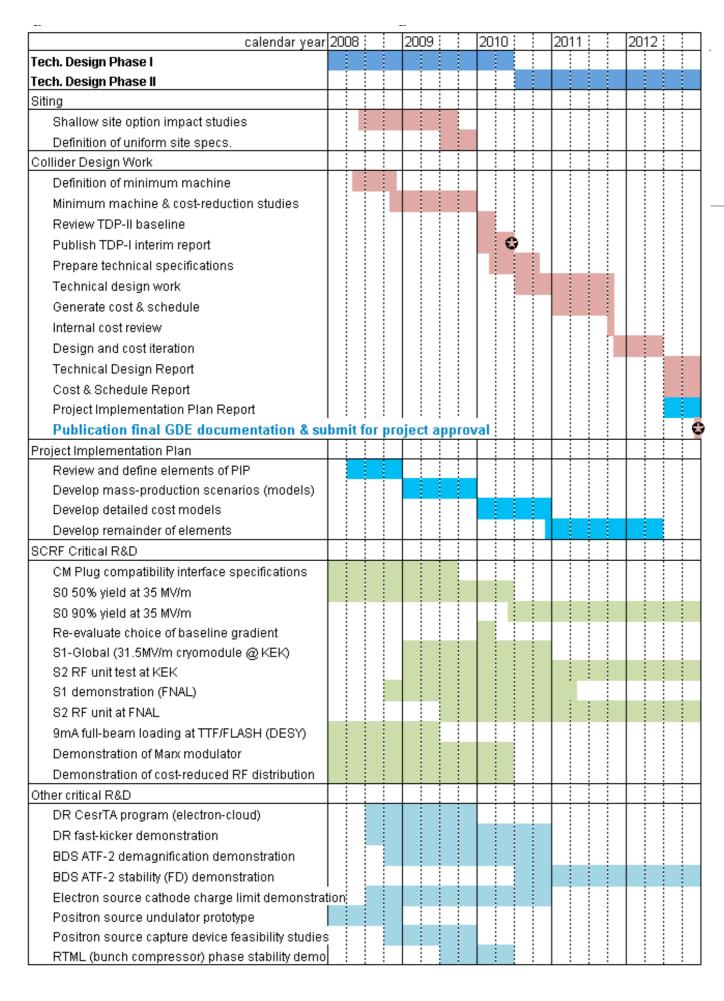
### EUROTeV in hindsight

- Success as a research "institution"
  - EUROTeV has provided a wealth of reports on accelerator issues
    - Beam dynamics, instrumentation and optics, vibrations & stabilisation
    - Positron source
    - Damping rings
    - Global collaboration tools
      - Finding widespread applications in remote control rooms
- Many contributions to
  - Conferences: PAC, EPAC etc.
  - Publications readily accessible via SPIRES, ILCDocs



#### EUROTeV – an Accelerator voice in Europe

- The European contributions to the RDR are predominantly based on **TESLA** or **EUROTeV** work and the respective references.
- Many of the CLIC reports are EUROTeV reports
- Other regions, Asia and America, recognize EUROTeV as a Research Institution
- However, already in the previous meeting at Daresbury we recognized that a Design Study is not well adapted to the Engineering Phase for the ILC that then was about to start.
  - SCRF required serious attention in Europe → FP7 PP ILC-HiGrade, starting 2008
  - Use of infrastructures for engineering exercises → FP7 IA EuCARD, starting 2009
- The ILC has now launched the Technical Design Phases I and II



### TD Phase Schedule



- Emphasis on two critical aspects
  - SCRF
  - Damping rings

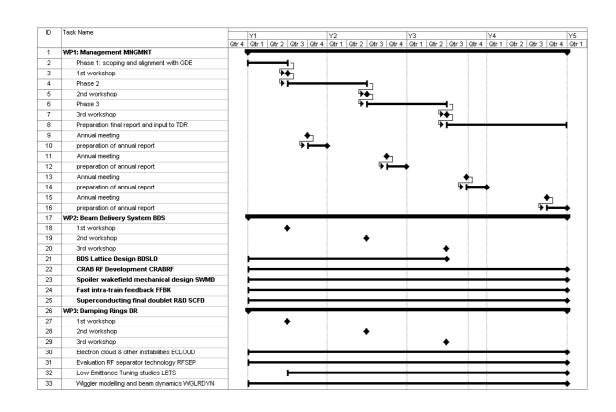


#### EUROTeV in Technical Design Phase of ILC

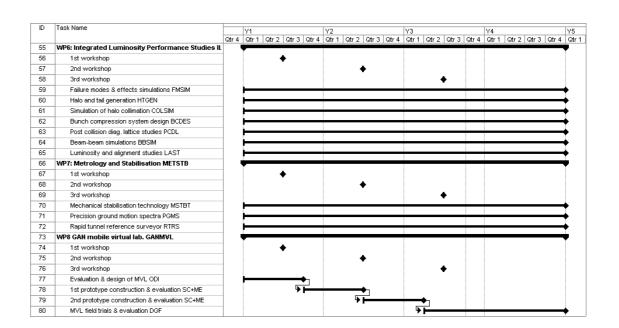
- EUROTeV extended by one year
  - Prolongation has been granted
    - EUROTeV continues till 31.12.2008
    - Most end-of-project deliverables have been deferred to end of 2008
      - Will take stock of the status during this meeting
  - Prolongation helps to overcome resource shortages due to the end 2007 developments in the UK
  - We should make sure that we maintain the strong European role in the ILC and more generally Linear Colliders that we have had in the past.



#### EUROTeV 2005 - 2008 Schedule



ID	Task Name		Y1				Y2				Y3					Y4					Y5
		Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr	3   Qtr 4	1 Qt	tr 1   0	etr 2	Qtr 3	Qtr 4	Qtr '	1 Q	tr 2	Qtr 3	Qtr 4	Qtr
34	WP4: Polarised Positron Source PPS		~																		7
35	1st workshop			•	•																
36	2nd workshop								<b>•</b>												
37	3rd workshop												4	•							
38	Helical undulator R&D HURD		$\vdash$								+				-						•
39	Source performance modelling PPMODL		$\vdash$						•												
40	SpinFlip system lattice design SPINF	1	-				-		•												
41	Mech. Design of photon target and collimator PTCD	1	-				-				÷				+	-	_				÷
42	Low energy polarimeter LEPOL	1	-				-				÷				+	-	_				<b>+</b>
43	WP5: Diagnostics DIAG	1	•								÷				+	1					÷
44	1st workshop				•																
45	2nd workshop								<b>+</b>												
46	3rd workshop												4	•							
47	Laser based beam profile monitor LBPM		$\vdash$								+				+	-					•
48	Confocal resonator CFBPM		$\vdash$								+				-	-					•
49	Precision transformer PTBPM	1	-								+				-	-	_				•
50	Wide-band currenct monitor WBCM	1	-								+				-	-	_				•
51	Timing and phase monitor TPMON	1	$\vdash$				-				-				-	-					•
52	Precision energy spectrometer ESPEC	1	$\vdash$				-				-				-	-					•
53	High-energy polarimeter HEPOL	1	-								-				+-	-	_				•
54	Fast luminosity monitor FLUM	1	_										_								

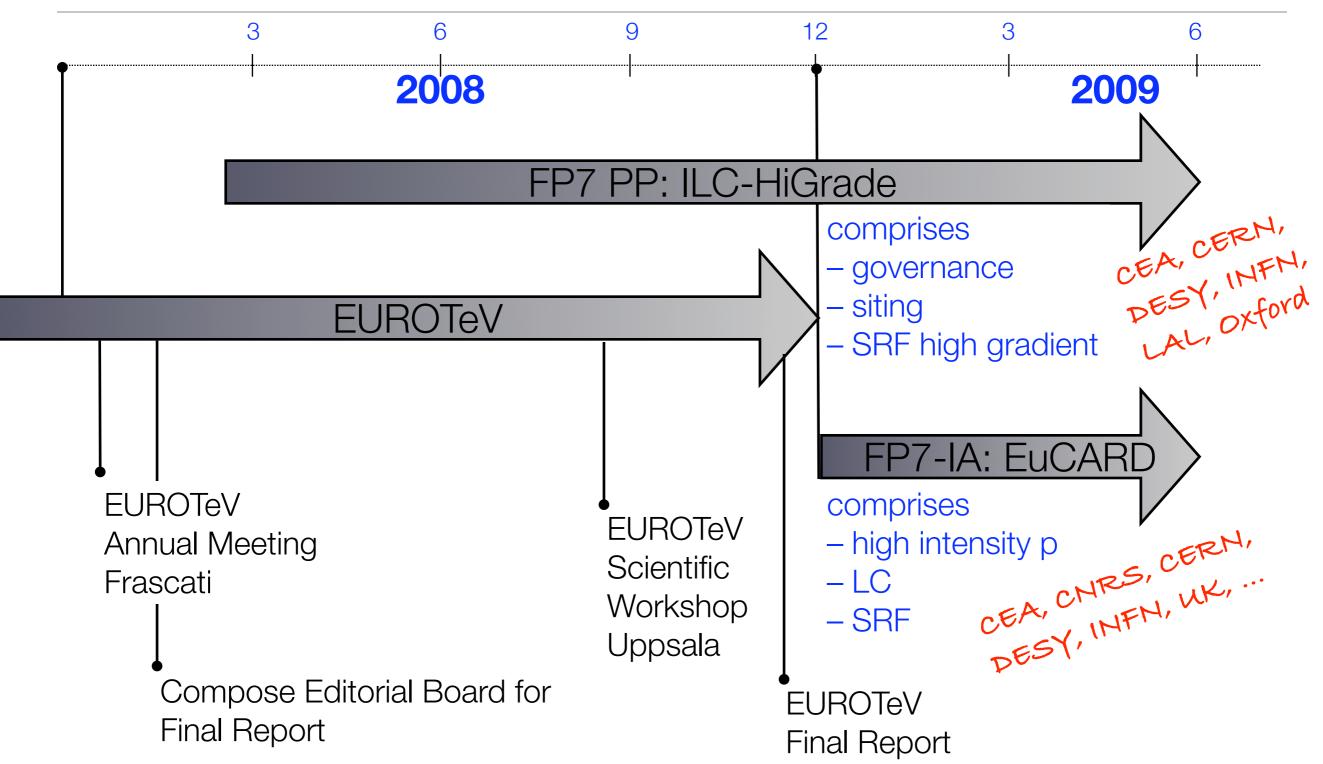


Most dates of deliverables have been moved to end 2008

from amended contract



#### EUROTeV in 2008 and beyond





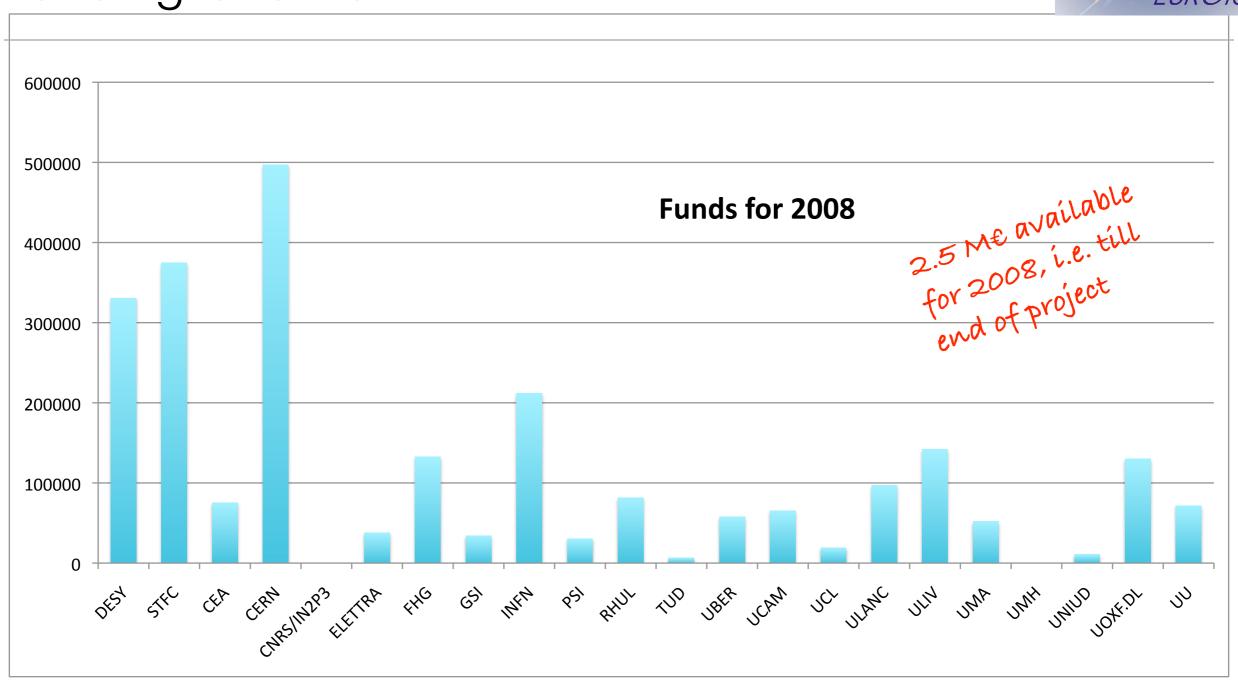
### **EUROTeV Annual Report 2007**

- The scientific part has been accepted
  - In approaching the final report we had already used a somewhat more formal approaches in composing the text
    - structure, layout and format
- The financial part has been accepted eventually
  - Experienced very detailed comments with many minor actions to be taken
    - The transition CCLRC STFC in the year necessitated two independent financial reports

#### Finances 2008

- Distrubution of funds amongst institutes
  - CNRS and Mannheim have exhausted their foreseen budget
  - for some institutes the 2007 accepted claims to the EC exceeded the foreseen amounts allocated in the initial distribution of funds between institutes
  - those institutes have received no further funding but are evidently required to send their deliverables
- Payments made in 2008
  - compensate for 2007 expenditure
  - amount to 80% of the remaining amount for the project and institutes
    - rest to be balanced with the 4<sup>th</sup> Annual Report
      - reports due mid February

#### Funding Overview



Note that only 80% have been distributed as pre-payment



#### European Court of Auditors

- The European Court of Auditors visited DESY to look at EUROTeV
  - in December 2007
    - to asses whether to carry out a performance audit of the European
      Commission
- They decided to do so and
  - came to DESY in July 2008
    - to carry out the performance audit
- We received the draft of the assessment
  - made strong reference to the role of EUROTeV in the global context
    - based on original recommendations of the referees (acceleration technology independance, difficulty of hiring skilled postdocs quickly, etc.)
  - report gave evidence of good and adequate support from Brussels

#### Conclusion

- EUROTeV continues to hold a strong position in accelerator development in Europe in 2008
  - Have to conclude properly
    - Scientific report end of the year
    - Make good use of the financial resources
- Future projects are in place
  - to support ILC in TDP I
  - to carry accelerator research forward