



Laboratoire d'Anney-le-Vieux
de Physique des Particules

Detector R&D support in France

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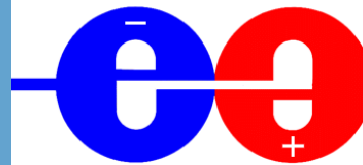


Overview in France

- Long time investment in detector R&D
 - Pioneering work in Calorimetry, Tracking (Si + TPC), Pixel detectors.
 - A well established and organized community
- France supports the accelerator R&D for ILC and CLIC
 - Many activities in EUROTeV (MDI, Stabilisation)
 - CTF3
 - ATF2

IN2P3

INSTITUT NATIONAL DE PHYSIQUE NUCLÉAIRE
ET DE PHYSIQUE DES PARTICULES

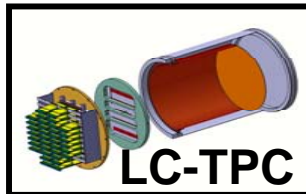


Worldwide Study of
the Physics and Detectors
for Future Linear
e⁻e⁺ Colliders

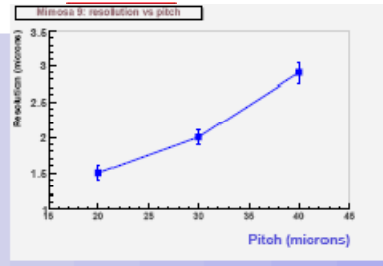


France

Detector R&D for ILC



CMOS-VD



<http://flc.in2p3.fr/>

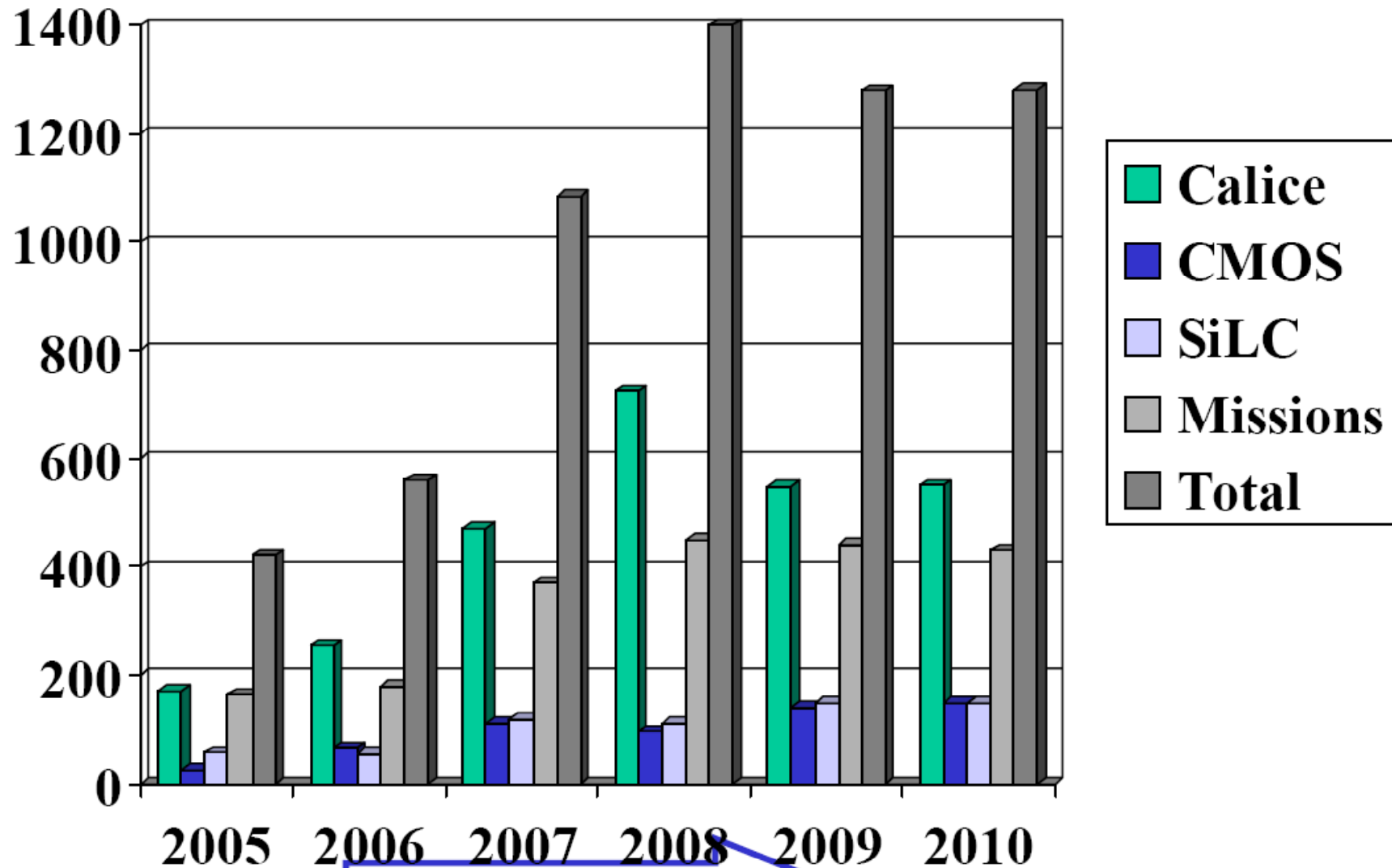
Crédits IN2P3 K€

ILC R&D	2005	2006	2007	2008	2009	2010
Calice	170	254	471	725	549	550
CMOS	25	65	109	95	140	150
TPC +MDI+int	7	5	14	20		
SiLC	56	55	120	110	150	150
Ss-total éqt	258	379	714	950	839	850
Missions	164	180	369	450	440	430
Total	422	559	1083	1400	1279	~1280

Prototypes et Tests faisceau

Modules 0

Prévisions de dépenses 2009-2010K€



Prototypes et Tests faisceau

Modules 0

Main d'œuvre FTE par projet

Phys
ITA

ILC R&D	2005	2006	2007	2008	2009
Calice Em Cal & HCal	13,5 16,8 IR	17,1 ~42(21,8 IR)	18 ~44	22,8 28.6	
CMOS Dét. Vertex	2 4	2,2 7,1	5 9	5 10	
TPC	1 1	1	1	1	- -
SiLC Traceur Silicium	2,5 4,5	2,8 7,9	4 11	5 12	
MDI Interface Machine Détecteur	1	1,9 0,6	2 0,6	- - →R&D accélérateurs	- -
Total	20 26,3	25 ~58	30 ~65	33,8 50	35 ? 60 ?

Conclusions

- A very active and enthusiastic community
- The activity is supported by the scientific council, the founding agencies, the European Union, and regional funds
- From prototyping to module zero is the aim for the next years