

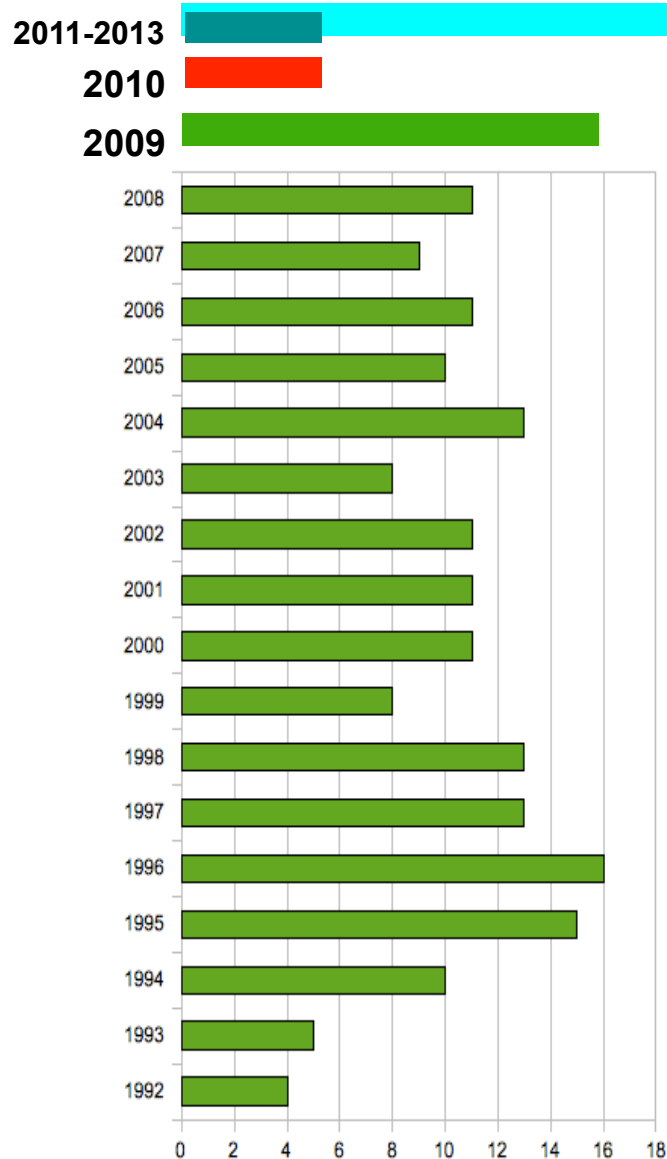


PRC Closed Session

Cristinel Diaconu



H1 Publications/year



In 2010 5 papers,

my worry expressed in the last PRC

In 2011: the situation is recovering:

2 papers out, 3 in final stages

plenty of preliminaries

The worry persist and

the convergence is (as usual)

on the critical path



25-30 papers planned for 2011/2

October 2010

April 2011

	ELAN	REX	Diffraction	HAQ	HEAVY FLAVOR
AFTER FR			FPS F2D3 / F2D4		
AFTER T0	F_L low Q2	SUSY squarks	F2D3 HERA II FLD		D* in DIS
PRE T0					
2010 IV		LQ all generations Contact IA LFV	FPS dijet/forward jet <i>diff. Rho yp</i>	K0, Lambda HighQ2 <i>multiple IA in yp</i>	D* in yp (+jets?) HZ: charm combination
2011 I	High Q2 F_L high Q2 EW+QCD fits Compton Lumi		FNC+pt distributions FNC photons	Forward Jets Low Q2 multi-jets High Q2 1,2,3-jets	D*p resonance B → ee in yp (D* with jets in yp)
2011 II			FNC elastic rho	Charged PT DIS K0, Lambda at low Q2, K0s K0s res.	<i>B → μ jet in yp</i> c → e in DIS
2011 III / IV	HZ combined QCD fits Grand Fit of F2,jets,charm		VFPS F2D3/F2D4 VFPS jets DPDF fit	<i>High Et jets in gp</i> Instanton Search HZ: precision alphas Global Fits PDF+Jets+αS	Diffraction J/psi D+ in DIS
2012			LRG dijets in DIS	<i>CPA HERA II</i>	D* fragm. HERA II Grand F2C Paper

April 7, 2011

Red: critical (personpower)

	ELAN	REX	Diffraction	HAQ	HEAVY FLAVOR
AFTER FR					
AFTER T0			F2D3 HERA II FLD FNC photons		D* in DIS
PRE T0		Contact IA LQ 1st generation	FPS dijet/forward jet		D* in yp +D*+jets
2011 I	High Q2 Compton Lumi		FNC+pt distributions	K0, Lambda HighQ2 <i>multiple IA in yp</i> Forward Jets	B → ee in yp HZ: charm combination
2011 II	F_L high Q2 EW+QCD fits		FNC elastic rho	Charged PT DIS K0s at low Q2, K0s K0s res. Low Q2 multi-jets HERA II High Q2 1,2,3-jets	B → μ jet in yp c → e in DIS D*p resonance
2011 III/IV	HZ combined QCD fits Grand Fit of F2,jets,charm		VFPS F2D3/F2D4 VFPS jets DPDF fits	<i>High Et jets in gp</i> Instanton Search HZ: precision αS Global Fits PDF+Jets+αS	Diffraction J/psi D+ in DIS
2012			LRG dijets in DIS	<i>CPA HERA II</i>	D* fragm. HERA II Grand F2C Paper

In 2011/2012: ~30 papers, the program may prolong in 2013/14



Collaboration Life



- **Management : stable until mid 2011**
 - **spokesperson will return to home lab (Marseille) in July 2012**
 - **continue mandate from remote, 25% time in HH**
 - **deputy, 2 physcoord and software coordinators on site**

- **Continue preparation of long term:**
 - **Decision taken in 2010, now implement**
 - **Operational model:**
 - **Collaborative aspects: Stakeholders, authors, paper procedures, meetings and reports**
 - **Technical aspects: Data preservation, technical support**
 - **Options for transition**
 - **A: New org. take over from 2012 for papers with longer perspective**
 - **B: Prolong the present mode with one more year, full management elections in 2012 for 2012-2014**
 - **A and B superpose, review in EC, decision to be taken by summer/autumn**



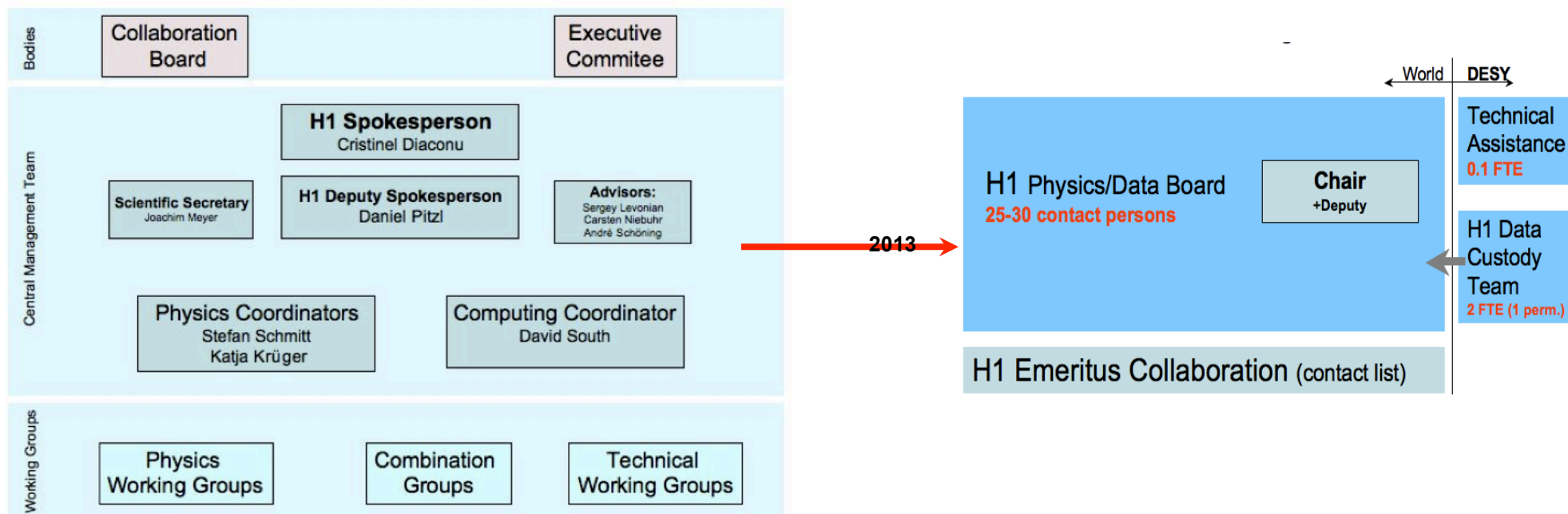
- **BACKUP**



H1: Long Term Organization

1. Define the end of the H1 Collaboration in the present form => **Plan publications**
2. Adopt long term organization scheme: **Physics Board in 2011**
3. Data access should remain possible in the next period (2013-2023) => **Projects, Person power being defined**
4. H1 plays a major role in DPHEP : **Blue print for DP in preparation, ICFA feedback etc.**

H1 Collaboration Organisation 2009





DPHEP Activity: H1 is a driving force

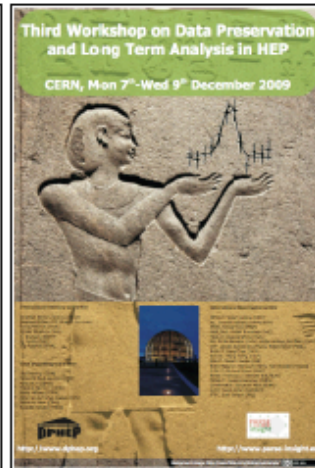
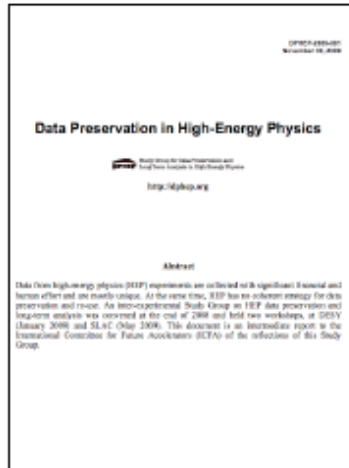
First DPHEP publication in December 2009, containing the initial recommendations **arXiv:0912.0255**

3rd Workshop held at CERN in December 2009, preceded by a public symposium

Document prepared for the DESY PRC in April 2009, by the "HERA Data Preservation Group", was very well received

4th DPHEP workshop at KEK in July 2010, beginnings of the next "Blueprint" publication

Latest progress reported to ICFA at ICHEP and DPHEP Study Group endorsed for a further year



<https://www-h1.desy.de/icgi-h1wiki/moin.cgi/H1DataPreservation?action=AttachFile&do=get&target=HERADDataPreservationApril2010.pdf>

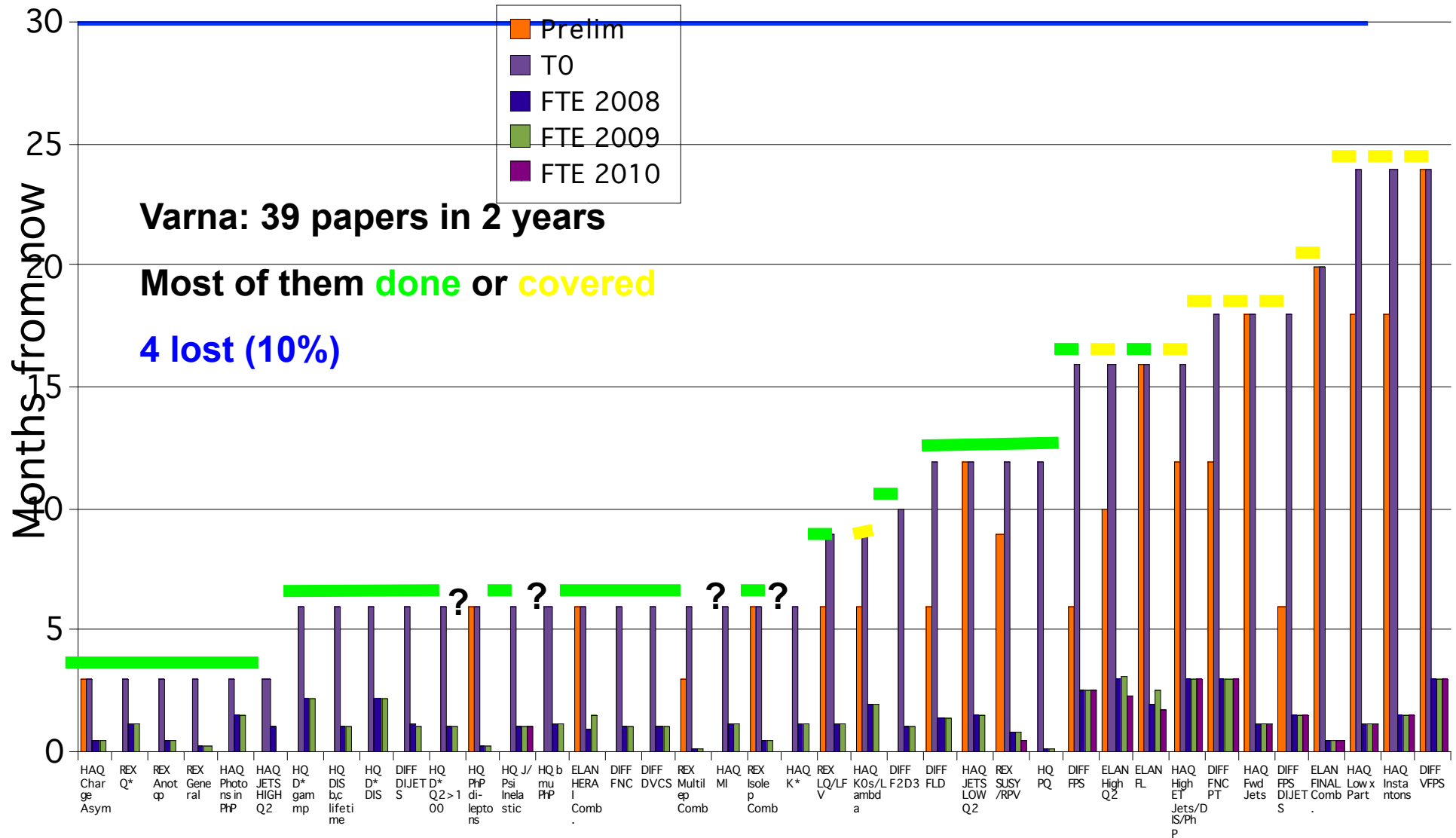


- And in October: Good DPHEP visibility at CHEP conference in Taiwan
 - Plenary DPHEP talk as well as parallel talks on DP at DESY, BaBar, as well as archiving of the HERA-B data



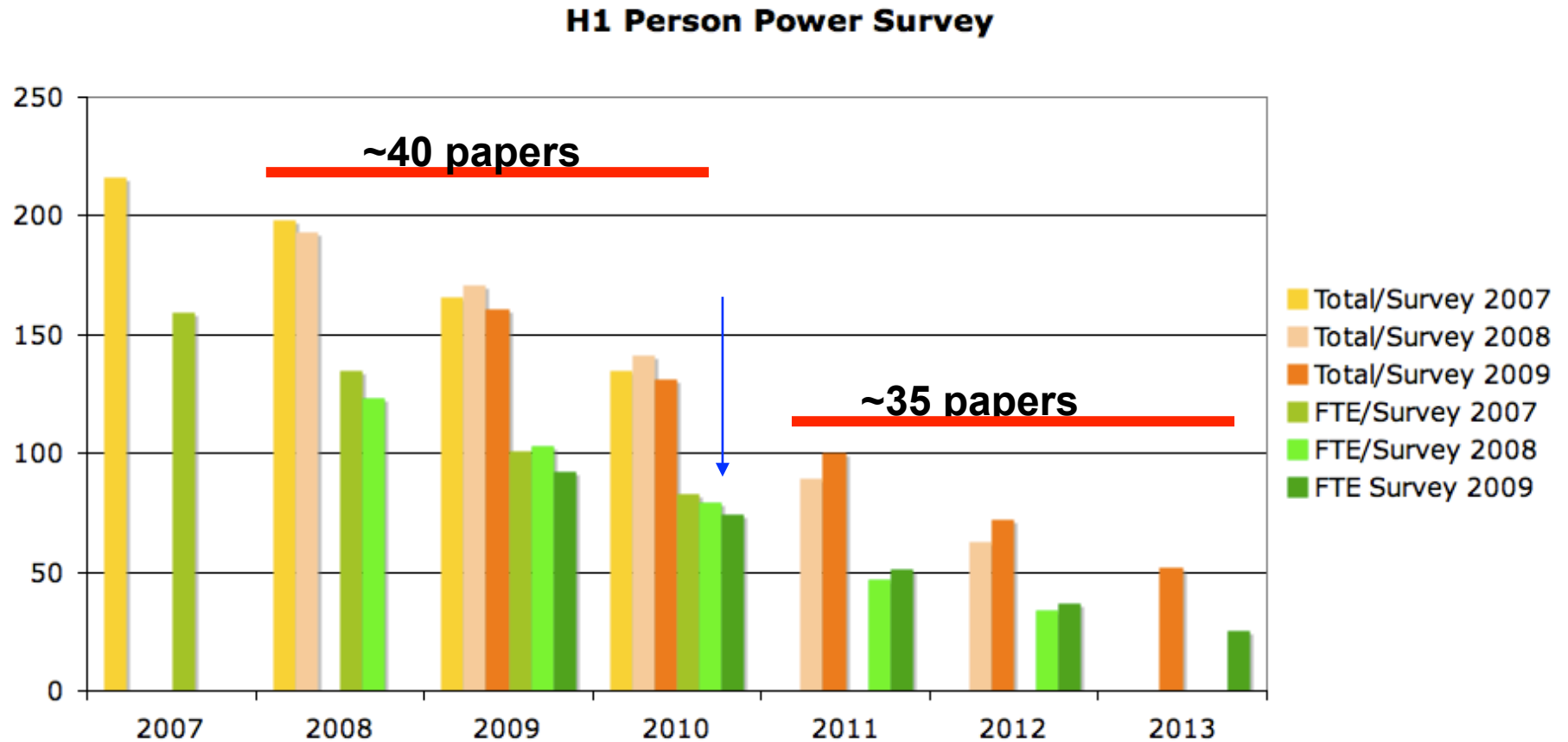
Varna Plan (2.5 years ago)

Time and person power chart of H1 Publication





The person power and the paper production



Increased organizational effort is needed