

The (final) Summary

literally collected from

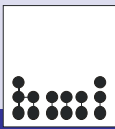
1st workshop 1999 – HMI

2nd workshop 2001 – PSI

3rd workshop 2004 – ISIS

4th workshop 2006 – APNL

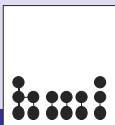
5th workshop 2008 – ILL



List of Summary Items

- 1. Michael's private summary**
 - 1.0 Mind the past ...**
 - 1.1 Social Aspects**
 - 1.2 Prestige Aspects**
 - 1.3 Scientific Aspects**
 - 1.4 Best-off**
 - 1.5 Gourmet Report**

- 2. The same Procedure as every Workshop ...**
 - 2.1 Our Gratitude to the Organizers**
 - 2.2 Announcement of the next SEW@NSF**



ENSA Working Group – Sample Environments

Progress Report

presented on 1st SE workshop in Berlin, April 8 – 10, 1999

M. Meißner

Berlin Neutron Scattering Center - Hahn-Meitner-Institut Berlin

1 Introduction

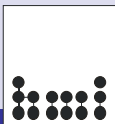
... 1995 ENSA initiative on instrumentation

... June 1997 the ENSA committee started an initiative to collect information on data acquisition, neutron optics and sample environment available at European neutron scattering centers.

... The SE topic was proposed to be co-ordinated by HMI.

... August 1997 questionnaires were sent to all European neutron scattering centers.

... October 1997 survey presented at the ENSA workshop held at NFL Studsvik

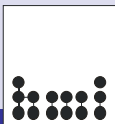


2 Listing of Sample Environment Equipment - status of April 1999

	LLB	ILL	ISIS	RNL	PSI	BENSIC	IFF	GKSS	NFL	BNC	FNLP
Closed Cycle Refrigerator	15	11	18	3	6	5	10	2	3	1	7
He-4 Cryostat	13	47	17	4	2	19	9	-	1	2	7
He-3 Cryostat	1	1	2	-	-	-	1	-	-	-	-
He-3 Stick	1	2	1	1	-	2*	-	-	-	-	-
He-3/4 Cryostat	-	3	-	1	1	3	-	1	-	-	-
He-3/4 Stick	-	4	2	1	-	2*	-	-	-	-	-
NuclearDemag Cryostat	-	-	-	-	-	2	-	-	-	-	-
Vertical Field Cryomagnet	3	5	1	2	1	4	2	1	-	1	1
Horiz. Field Cryomagnet	1	2	-	1	1	2	-	-	-	-	-
Electro Magnet	3	2	2	-	1	2	2	3	1	1	3
High Temp. Furnace	17	17	8	3	3	5	18	4	3	1	5
High Press. (<1GPa)	3	5	7	1	3	1	4	-	-	-	4
High Press. (>1GPa)	1	5	5	1	1	1	-	-	-	-	1

3 Future Aspects

- Documentation
- Standardisation of standard elements
- Training of staff members
- Workshops (No. 1 funded by the ENSA Round Table with 3500 ECU)



Berlin April 1999



**Workshop excursion and dinner:
Berlin-style: poor, but sexy**

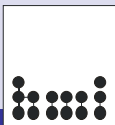
The statistics of participants to the 5th Workshop:

France	32
UK	11
US	9
Germany	9
Switzerland	4
Australia	2
All together	68



... and some even found time to shop

...

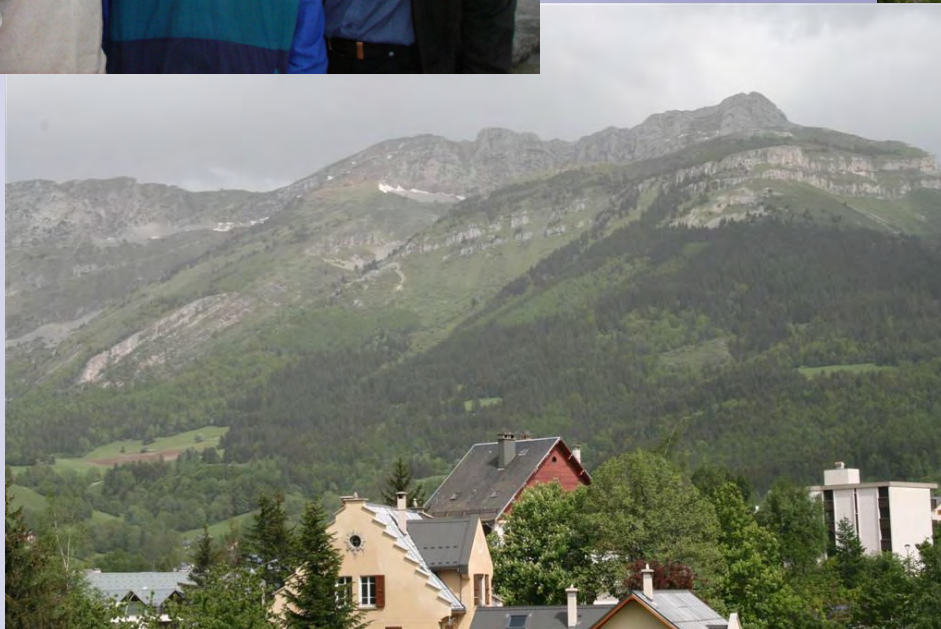


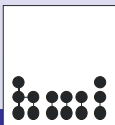
and
some
even
had time



for real
Tourism

!!!

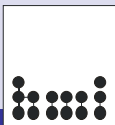




My private summary: The Social Aspect 1

The 5th WSE@NSF organized and held at the Hotel Grand Paris

→ like the Olympics: The best ever - in the Universe



My private summary: The Social Aspect 2

Standings of social records

Berlin (4/1999): Danish-British youngster team worked `til 6 AM

Villingen (4/2001): Sportive excursion into the Lower Alpes

Abingdon (6/2004): Conquest of bar-room at Cosener's House

**Argonne (9/2006): Evening session with $\sim 10^4$ sq.inch of Pizza
(finished around 9 PM)**

**Villard de Lans (5/2008): Evening session with ~ 20 barrels of
1664**

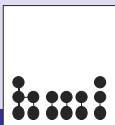
(finished around 3 AM)

My private summary: The Prestige Aspect

The 5th WSE@NSF organized and held at Vercors mountain
→ like the Olympics: **The best ever - in France**

Automotive Organisation





My private summary: The Scientific Aspect

Cont'd R & D → Cooperation and Support of companies:
- OI, AS, SDMS, BRUKER, TransMIT, ARS, HTS-110

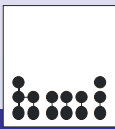
→ Active fields:

- Dry Temps & Fields (PT vs. GM)
- Fast sample change designs
- Magnetic field shielding
- Pressure devices & Gashandling w/o Hydrogen

(JRA)

→ New developments:

- PT/SM mini-coolers, Peltier micro-coolers
- hi-Temps in hi-Field
- highest-Temp with Laser and Levitation (JRA)
- Complementary Labs (SCM, LaMMB)



My private summary: The Best-off

**I honor the best Contribution to the Workshop
in two Categories**

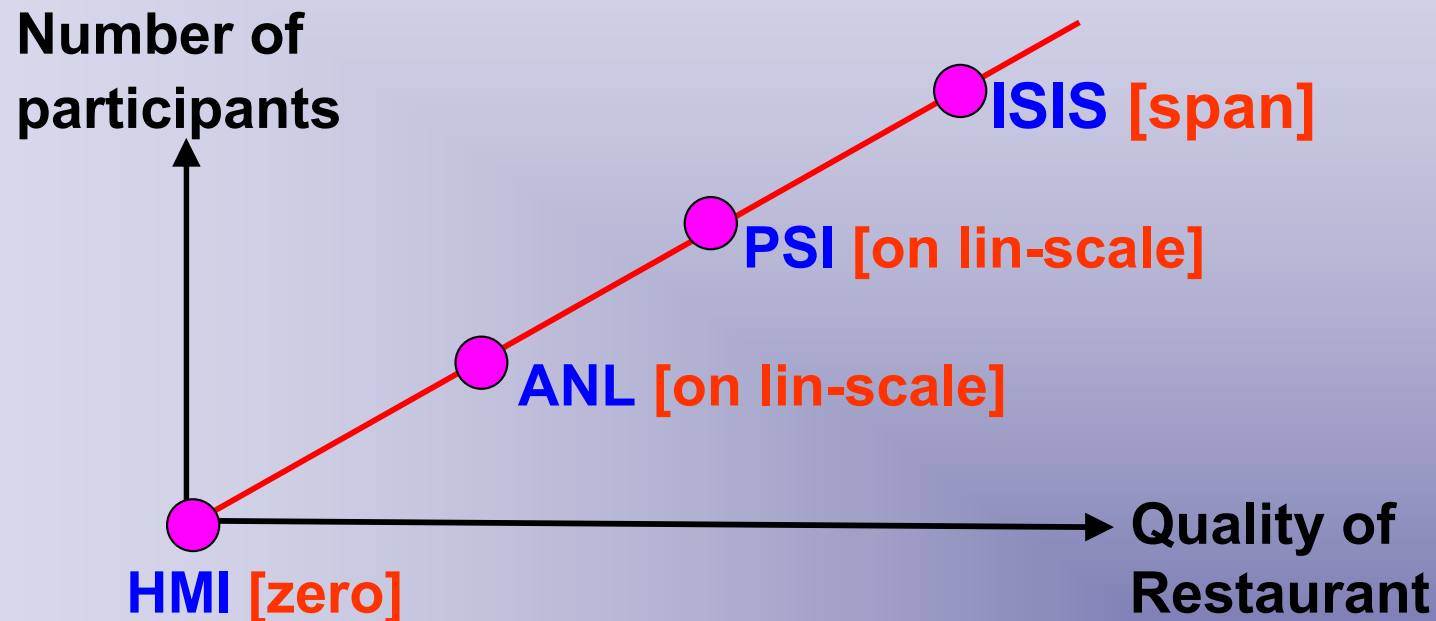
→ Best Poster and Nominees and all Winners are:

- LT pressure measure...in cells by Evans et al. (ISIS)
- Compact system for...o- & p-H₂ by Evans et al. (ISIS)
- VTI for P-E-cell by Francis et al. (ISIS)
- Progress and...in hi-P H₂ cells by Mark Kibble (ISIS)

→ Best Talk and only Nominee and Winner is:

- Pulse tube cryocoolers ... by G. Thummes (U.Gießen)

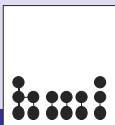
My private summary: The Gourmet Report



The Grand Hotel Paris restaurant & L'Auberge fireplace:

- outstanding conference dinner (Eddy's private wines !!!)
- hi-quality cuisine with (breakfast) and lunch in hotel restaurant
- best bar set ever (but one day, only)

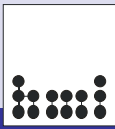
● → valid data – but out off scale due to non-linear behaviour !



The same Procedure as every Workshop 1

**We all would like to express all our thanks to
Eddy Lelièvre-Berna & Sandrine:**

Thank you for this great Workshop !!!



The same Procedure as every Workshop 2

And the 6th SE-Workshop will be organized ?

To be announced by the host of the 5th Workshop !