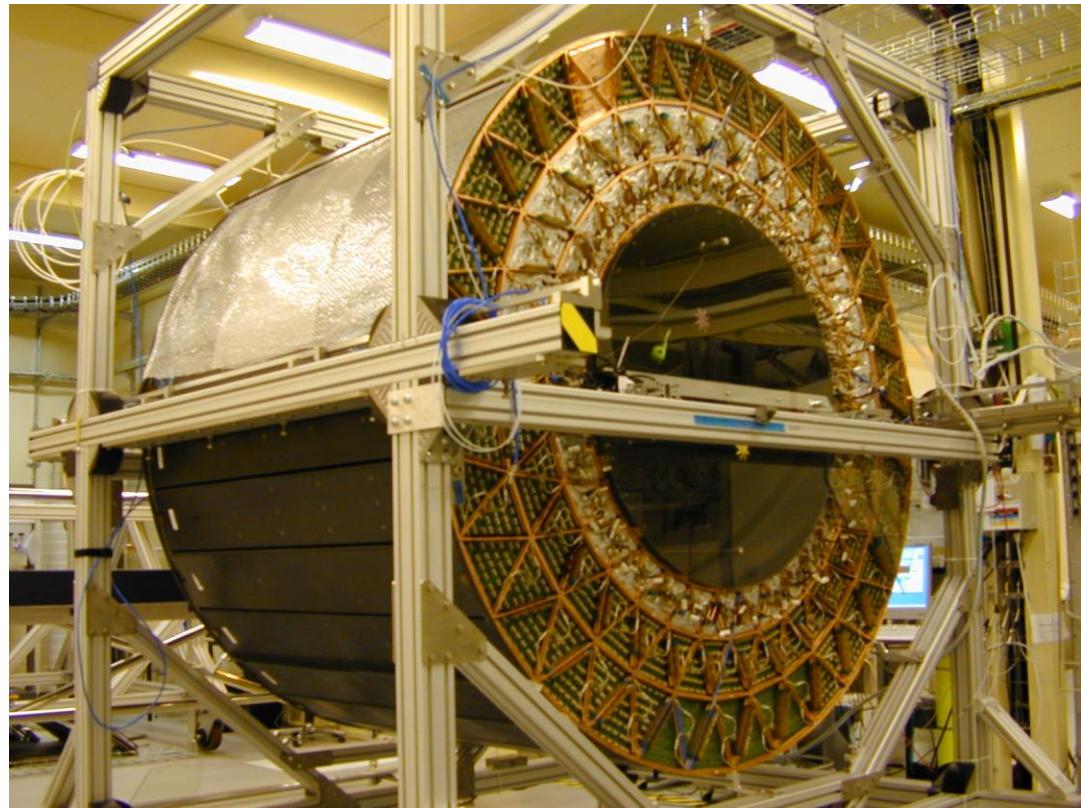


# A lab of one's own: epilogue

1. Final detector configuration for the 96 barrel modules
2. Status and plans for the extra 11 modules

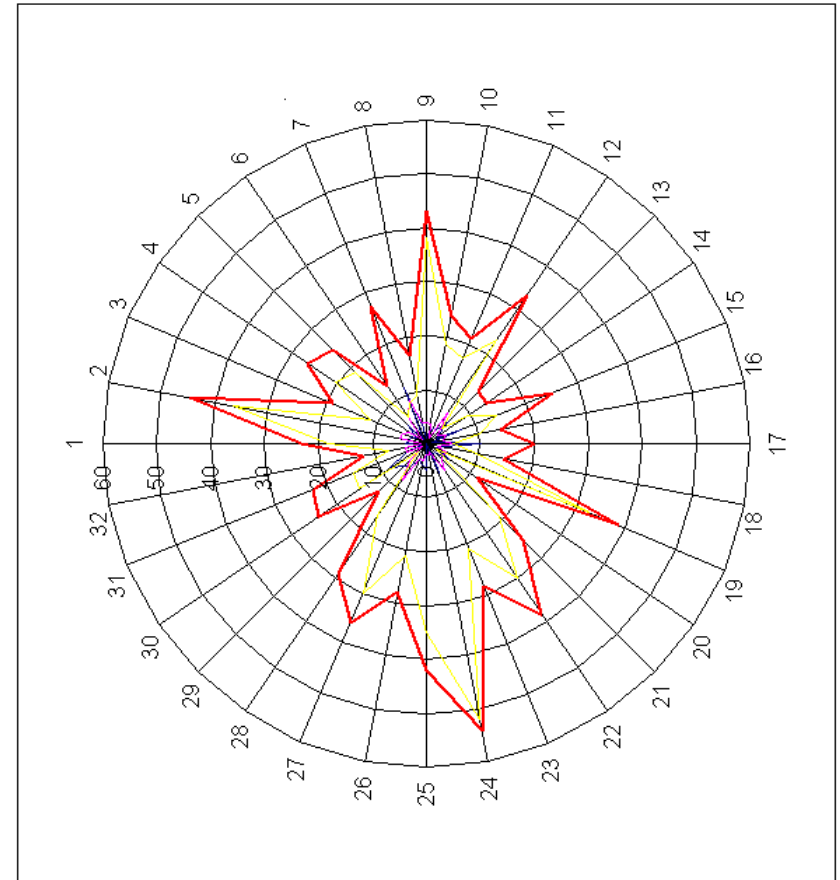
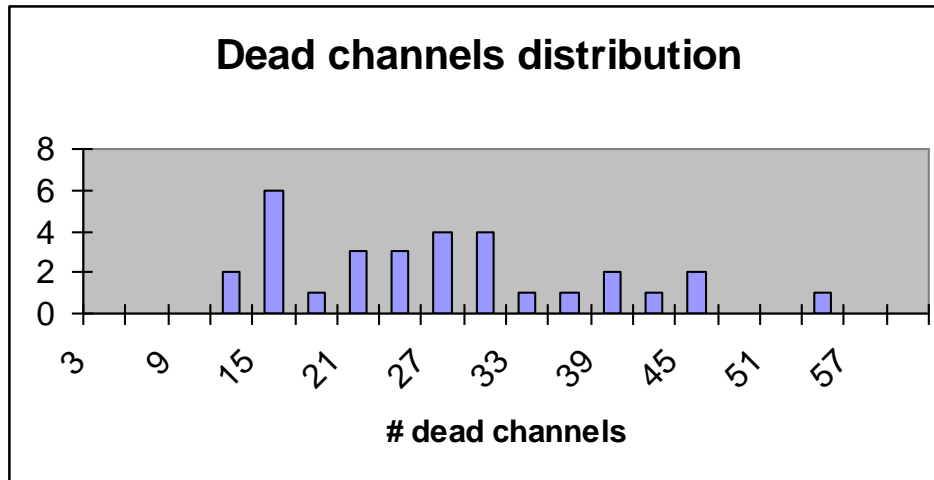
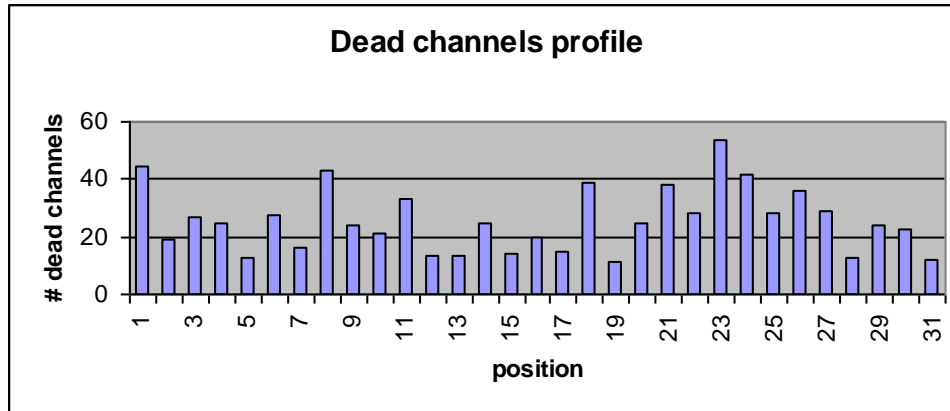
**Pauline Gagnon – Indiana University**



# Dead channels for TRT barrel

	type 1		type 2		type 3		TRT barrel	
	wires	%	wires	%	wires	%	wires	%
bent	9	7.3%	54	44.6%	313	53.7%	376	44.9%
gain mapping	13	10.5%	4	3.3%	19	3.8%	36	4.8%
HV problem	31	25.1%	37	30.6%	164	28.9%	232	28.6%
broken socket	1.5	1.2%	7.0	5.8%	5.5	1.0%	14.0	1.8%
unstrung	68	55.1%	18	14.9%	70	12.6%	156	19.7%
tension	1	0.8%	1	0.8%	0	0.0%	2	0.3%
total	123.5	1.17%	121.0	0.73%	571.5	2.24%	816.0	1.55%

# Final dead channels distribution



See <http://trt-wts.web.cern.ch/trt-wts/passp/bmenu.html> for details

# 7 modules prepared as spares

<b>1.26</b>	<b>11 dead channels</b>	<b>ready</b>
<b>1.30</b>	<b>6 dead channels</b>	<b>in SR, to be prepared</b>
<b>2.05</b>	<b>6 dead channels</b>	<b>ready</b>
<b>2.13</b>	<b>5 dead channels</b>	<b>ready</b>
<b>2.36</b>	<b>3 dead channels</b>	<b>in SR, to be prepared</b>
<b>3.13</b>	<b>46 dead channels</b>	<b>in SR, to be prepared</b>
<b>3.24</b>	<b>23.5 dead channels</b>	<b>in SR, to be prepared</b>

# Modules 3.24 and 3.13

- 🔦 **Many small pieces of wire lost between front tension plate and HV plate for both of them**
- 🔦 **module 3.24:**
  - **6 wire-joints seen caught on end twister: 15 retrieved with vacuum cleaner**
  - **Long investigation with back-voltage got rid of spurious HV trips in random places**
- 🔦 **Module 3.13: final problems identified with back-voltage**
- 🔦 **Both modules satisfied HV conditioning criteria**

# 4 left-over modules

<b>1.01</b>	<b>Prototype used in Dubna</b>	<b>To MePhi: cleaning test in CF<sub>4</sub></b>
<b>1.28</b>	<b>Problems in twistors</b>	<b>To Indiana: education</b>
<b>3.34</b>	<b>Several corona discharges</b>	<b>To Hampton: flow tests</b>
<b>3.35</b>	<b>&gt; 80 dead channels if all wires on bent straws were removed</b>	<b>To CERN for display in Atlas exhibition in globe of innovation</b>

# It's all over now, back to square 1



April 2003 and now

August 2004

