



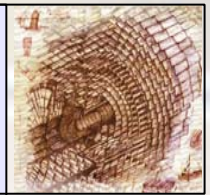
TEC module current overview

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Numbers from Database



TEC Production Overview

(created by Marko Dragicevic, last updated: 11.07.05)

(http://www.hephy.oeaw.ac.at/p3w/cms_tracker/modprod_overview/ModProdGM.xls)

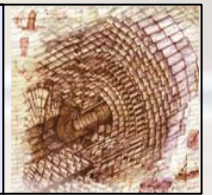
	R1N	R1S	R2N	R2S	R3	R4	R5N	R5S	R6	R7	Total
Hybrid Inventory Total	2	5	0	0	3	37	24	18	20	57	166
Hybrids Received	55	69	90	60	197	392	182	139	250	367	1801
Modules Assembled	53	64	90	60	194	355	158	121	230	310	1635
Modules Bonded	53	64	89	60	115	326	145	94	219	300	1465
Modules ARC Tested	53	63	89	58	115	326	141	91	219	288	1443
ARC Test Good	53	61	89	58	113	317	135	87	217	284	1414
ARC Test Bad	0	2	0	0	2	9	6	4	2	4	29
Still Good	53	60	87	56	95	309	127	83	207	263	1340
v99 Modules (ver > 10)	6	6	7	7	9	20	6	13	44	26	144
Modules with BB hybrid	5	17	8	20	24	62	12	4	13	1	166
Bad Hybrids	28	15	35	31	42	65	43	52	78	54	443
Bad Modules	0	4	3	3	21	18	17	9	13	33	121
Modules bad for IV	0	0	0	0	0	2	2	0	1	0	5
Modules bad for >2% bad strips	0	2	0	0	1	5	4	4	0	4	20
Modules bad for other reason	0	2	3	3	20	11	11	5	12	29	96

-> 7,4 % of assembled modules are set faulty in the database

(not included: modules with version >90 and with hybrid from bad batch)



Numbers from Database



SAMPLE for Analysis:

- only TEC modules

(module type: 2.11.25.22, 2.13.26.23, 2.5.17.14, 2.5.18.15, 2.6.19.16, 2.6.20.17, 2.7.21.18, 2.8.22.19, 2.9.23.20, 2.9.24.21, 2.18.22.19 or 2.19.25.22)

- version < 90
- status = reference
- 166 modules with hybrids from bad batches included



Module Test – I(450)



Grade C – I(450) above $10 \mu\text{A}$ per Sensor

faulty TEC modules with 1 Sensor: 2

faulty TEC modules with 2 Sensors: 3

(all three 2-sensor-modules contain HPK-Sensors)

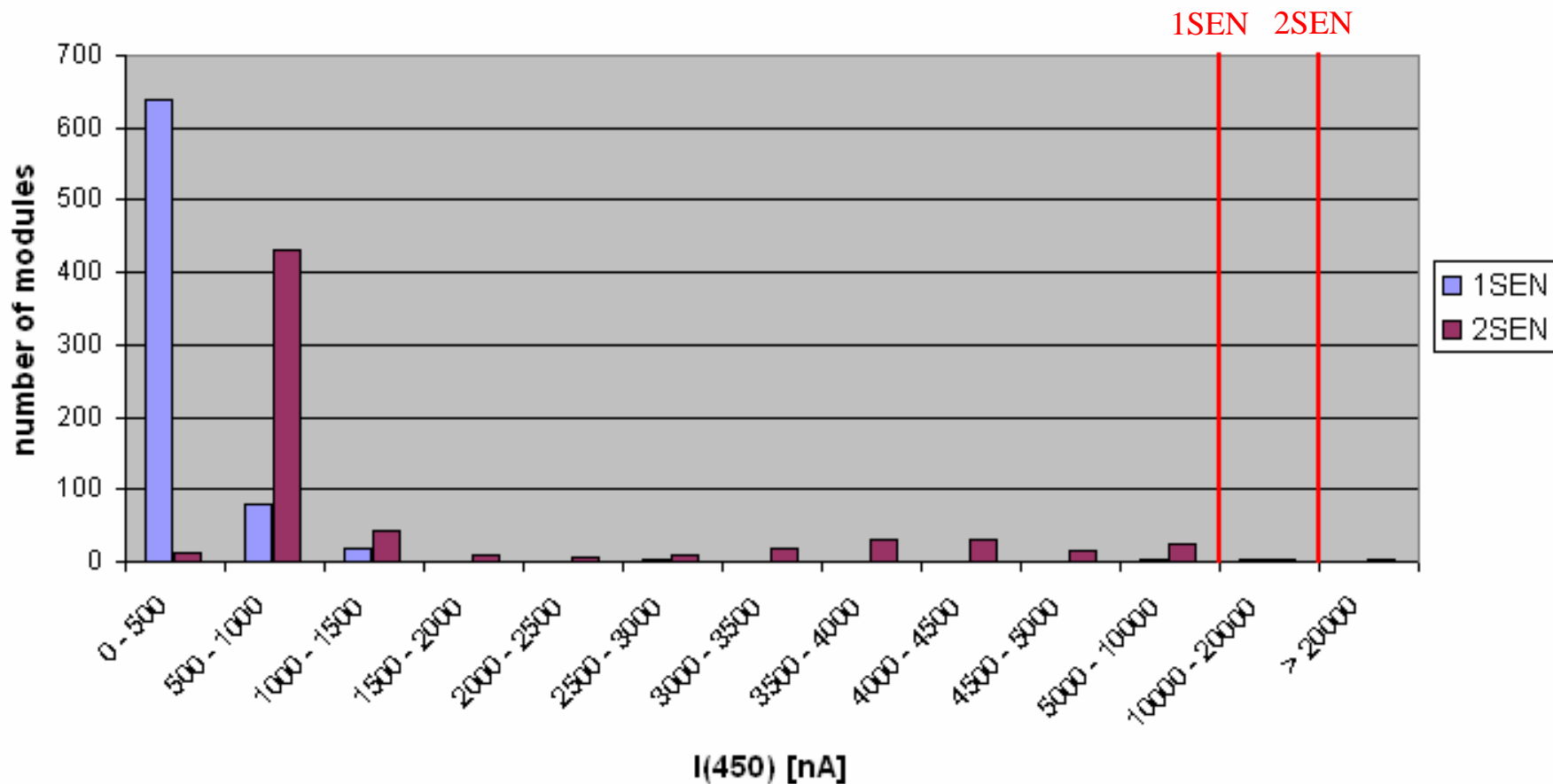
Object_id	I(300)	I(450)	# of sensors	where tested
30200020011972	550 nA	15925 nA	1SEN	ZÜRICH-ETH
30200020013912	525 nA	13500 nA	1SEN	ZÜRICH-ETH
30200020013764	<empty>	<empty>	2SEN	KARLSRUHE-IEKP
30200020020541	27100 nA	35500 nA	2SEN	SANTA-BARBARA
30200020028927	50075 nA	50200 nA	2SEN	AACHEN-REPAIR



Module Test – I(450)



TEC Modules - I(450)

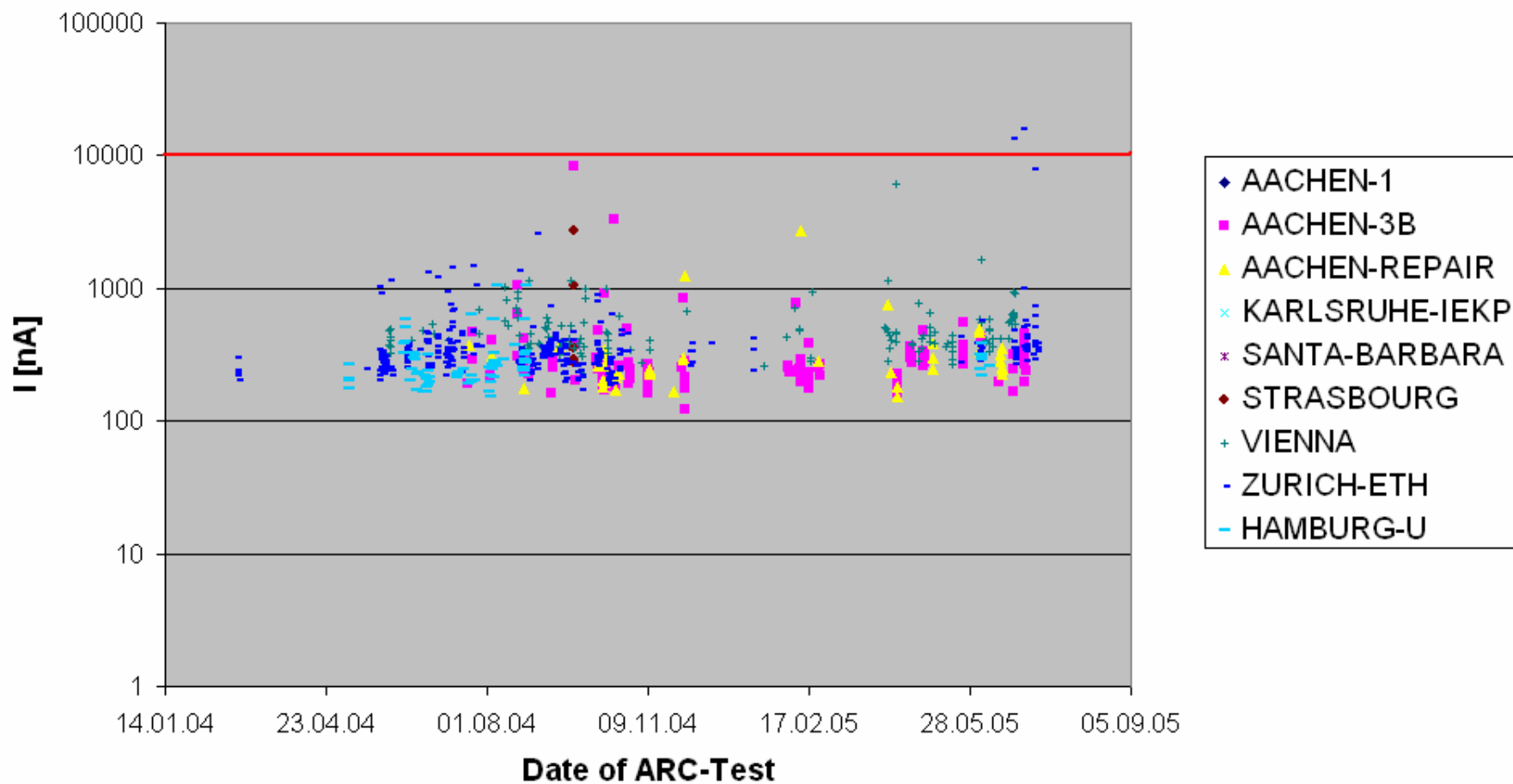




Module Test – I(450)



TEC Modules with 1 Sensor - I(450V)

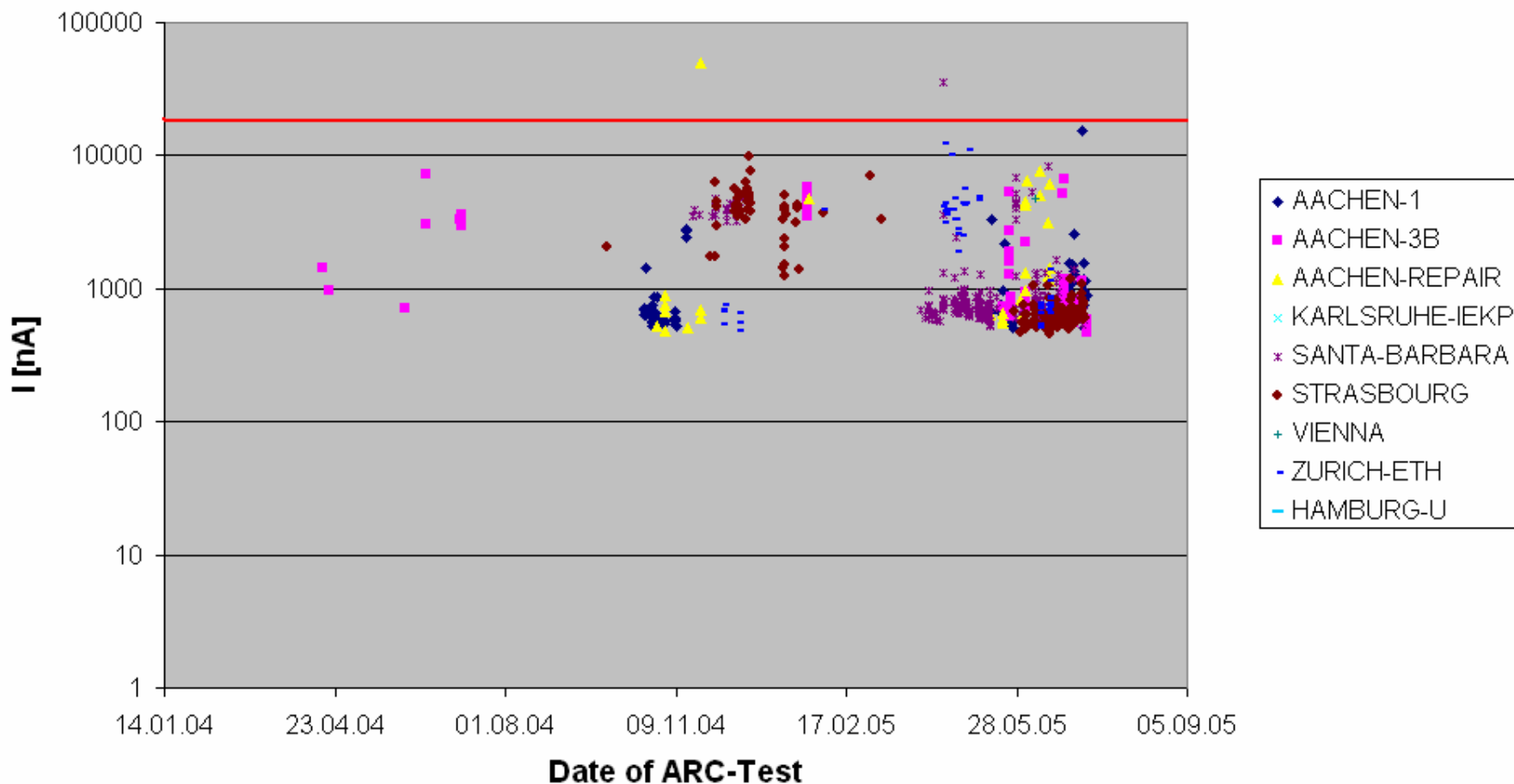




Module Test – I(450)



TEC Modules with 2 Sensors - I(450V)





Module Test – I(450)



TEC Modules with 2 Sensors- I(450V)

○ ... Modules with STM-Sensors

