Measure of the PAX cell conductance closed by clamps along the Cell wings.
H2 measurements of 15 may 2013

Calib 300 2013 04 17 [10/11/2014 17:42 "/Graph8" (2456971)]
Polynomial Regression for Derivative2_S
Y = A + B1*X + B2*X^2

Paramet	Value	Error
A	2.96E-05	3.35E-05
B1	-5.57E-06	4.27E-07
B2	-2.14E-08	1.23E-09

R-Square	SD	N	P	P
0.8766	2.87E-04	5103	<0.0001	<0.0001

sy-x 1.01E-04

Calib 600 on 2013 04 25 [10/11/2014 17:37 "/Graph4" (2456971)]
Polynomial Regression for Derivative1_Smoothed1Cca:
Y = A + B1*X + B2*X^2

Parame	Value	Error
A	2.28E-04	5.19E-05
B1	-6.58E-06	3.15E-07
B2	-2.17E-08	4.34E-10

R-Squar	SD	N	P	P
0.9854	3.13E-04	3232	<0.0001	<0.0001

sy-x 3.78E-05

V_{cal} l	δV_{cal} l
0.6967	0.0025

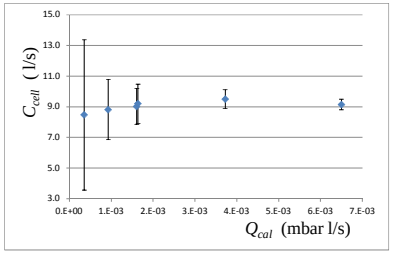
MKS zero 8.71E-08 1.89E-07
MKS BG_B 4.90E-07 2.33E-07

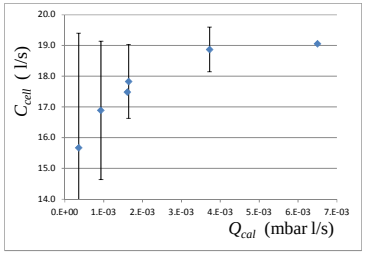
IKR cold cathode gauge
PBR Hot Cathode Gauge

Calibration Used	QcalFile	P_{cal} mbar	δP_{cal} mbar	δP_{cal} / P_{cal}	x P_{MKS} mbar	δP_{MKS} mbar	δP_{MKS} / P_{MKS}	P_{IMR} mbar	δP_{IMR} mbar	δP_{IMR} / P_{IMR}	P_{DS} mbar	δP_{DS} mbar	δP_{DS} / P_{DS}	P_{IKR} mbar	δP_{IKR} mbar	δP_{CC} / P_{CC}	P_{PBR} mbar	δP_{PBR} mbar	δP_{BPR} / P_{BPR}	y Q_{cal} mbar l s^{-1}	δQ_{cal} fit	δQ_{cal} fit / Q_{cal}	C_{cal} l s^{-1}	C_{cell} (MKS) l s^{-1}	δCCell l s^{-1}	C_Cell-BG l s^{-1}	MKS/IMR	C_{cell} (IMR)	Dcell	PIMR - Pch	x^2	Y	$(\Delta y)^2$
300	75	75.18	0.06174	8.E-04	4.20E-05	5.26E-07	1.E-02	2.27E-05	6.61E-08	3.E-03	0.33	4.1E-03	1.E-02	2.42E-07	4.E-10	2.E-03	3.04E-07	1.E-09	4.E-03	**3.56E-04**	**2.00E-04**	5.6E-01	4.73E-06	**8.5**	**4.9**	8.5	1.85	**15.68**	**5**		1.77E-09	3.71E-04	2.4E-10
300	150	153.68	9.46E-02	6.E-04	1.05E-04	4.31E-07	4.E-03	5.50E-05	7.55E-08	1.E-03	0.82	4.9E-03	6.E-07	5.78E-10	6.E-10	1.E+00	7.18E-07	7.E-10	9.E-04	**9.28E-04**	**2.00E-04**	2.2E-01	6.04E-06	**8.8**	**2.0**	8.8	1.92	**16.89**	**4**		1.11E-08	9.56E-04	8.0E-10
300	225	225.11	0.03008	1.E-04	1.79E-04	5.16E-07	3.E-03	9.20E-05	9.23E-08	1.E-03	1.32	3.2E-03	2.E-03	1.05E-06	1.E-09	1.E-03	1.24E-06	1.E-09	1.E-03	**1.61E-03**	**2.00E-04**	1.2E-01	7.15E-06	**9.0**	**1.2**	9.0	1.94	**17.48**	**2**		3.19E-08	1.63E-03	6.4E-10
600	225	225.11	0.03008	1.E-04	1.79E-04	5.16E-07	3.E-03	9.20E-05	9.23E-08	1.E-03	1.32	3.2E-03	2.E-03	1.05E-06	1.E-09	1.E-03	1.24E-06	1.E-09	1.E-03	**1.64E-03**	**2.18E-04**	1.3E-01	7.29E-06	**9.2**	**1.3**	9.2	1.94	**17.83**	**2**		3.19E-08	1.63E-03	5.1E-11
600	375	377.11	2.50E-02	7.E-05	3.92E-04	6.04E-07	2.E-03	1.97E-04	2.47E-07	1.E-03	2.51	5.1E-03	2.E-03	2.37E-06	5.E-09	2.E-03	2.78E-06	1.E-08	4.E-03	**3.73E-03**	2.18E-04	5.9E-02	9.88E-06	**9.5**	**0.6**	9.5	1.99	**18.87**	**1**		1.54E-07	3.61E-03	1.4E-08
600	550	528.697	0.03145	6.E-05	7.11E-04	2.39E-07	3.E-04	3.41E-04	3.60E-07	1.E-03	3.80	4.8E-03	1.E-03	4.20E-06	4.E-09	8.E-04	4.86E-06	9.E-09	2.E-03	**6.50E-03**	2.18E-04	3.4E-02	1.23E-05	**9.1**	**0.3**	9.2	2.08	**19.05**	**1**		5.05E-07	6.56E-03	3.0E-09
						2.31E-06																		9.02		9.03	1.97	18.02	8				

Σ= 7.33E-07 σ_Y= 6.8E-05

δy 2.09E-04





	C_{cell} (MKS) l s^{-1}	δC_{Cell} l s^{-1}	
short and diaphragm	9.25		z
weighted average	9.21	0.28	0.14
fit	9.25	0.31	0.00

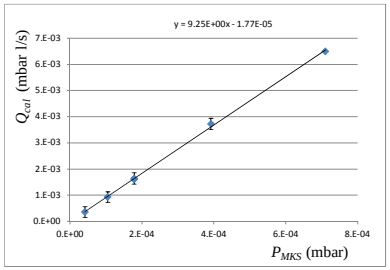
	l s^{-1}	l s^{-1}	
long tube formula	9.56		z
weighted average	9.21	0.28	1.25
fit	9.25	0.31	1.00

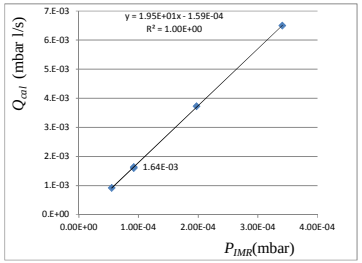
	C_{cell} (MKS) l s^{-1}	δC_{Cell} l s^{-1}	
short tube formula	8.85		z
weighted average	9.21	0.28	1.29
fit	9.25	0.31	1.29

Weighted average of

C_{cell} (MKS) l s^{-1}	δC_{Cell} l s^{-1}	$(1/\delta C_{Cell})^2$	p_i	$p_i * x_i$
8.5	4.9	0.0416417	0.35232	
8.8	2.0	0.2579508	2.273599	
9.0	1.2	0.7185897	6.474272	
9.2	1.3	0.6101618	5.607822	
9.5	0.6	2.733814	25.9794	
9.1	0.3	8.51707	77.91755	
Σ		12.879228	118.605	

weighted average= 9.21
weighted uncertanty= 0.28





Δ= 2.93373E-06

δB= 3.14E-01

A= -1.77E-05
B 9.25