

Run coordination meeting.

G. Vashchenko
30.07.2015

Plan for weeks 30 and 31

ts			to do:	Measurements / Shutdown						
Fri Jul-24	Sat Jul-25	Sun Jul-26	Week 31	Mon Jul-27	Tue Jul-28	Wed Jul-29	Thu Jul-30	Fri Jul-31	Sat Aug-01	Sun Aug-02
Gross Gavrillov	Gross Gavrillov	Gross Gavrillov	Morn. 7:00 to 15:30	Rublack Melkumyan	Rublack Melkumyan	Rublack Melkumyan				
Renier Lishilin	Renier Lishilin	Renier Lishilin	Late 15:00 to 23:30	Asova Vasilyev	Asova Vasilyev	Asova Vasilyev				
Good Kalantaryan	Good Kalantaryan	Good Kalantaryan	Night 23:00 to 7:30	Boonpornpras Rybakov	Boonpornpras Rybakov	Boonpornpras Rybakov				
			Resp. Phys							
Gross Wenndorff	Gross Wenndorff	Gross Wenndorff	Laser RF	Rublack Jachmann	Rublack Jachmann	Rublack Jachmann				
Donat Schoeneich	Donat Schoeneich	Donat Schoeneich	Vaku.	Philipp	Philipp	Philipp				
Schade Schulze	Schade Schulze	Schade Schulze	Contr.	Melkumyan	Melkumyan	Melkumyan				
Gross Boonpornpras	Gross Krasilnikov	Gross Krasilnikov	Electr. Infrast. SSB	Schultze Hoffmann Rublack	Schultze Hoffmann Rublack	Schultze Hoffmann Rublack				
			Schichtabsich	Vashchenko	Vashchenko	Gross				

status has changed since the last version

Issued on 23-Jul-2015

A gray field means the status has changed since the last version

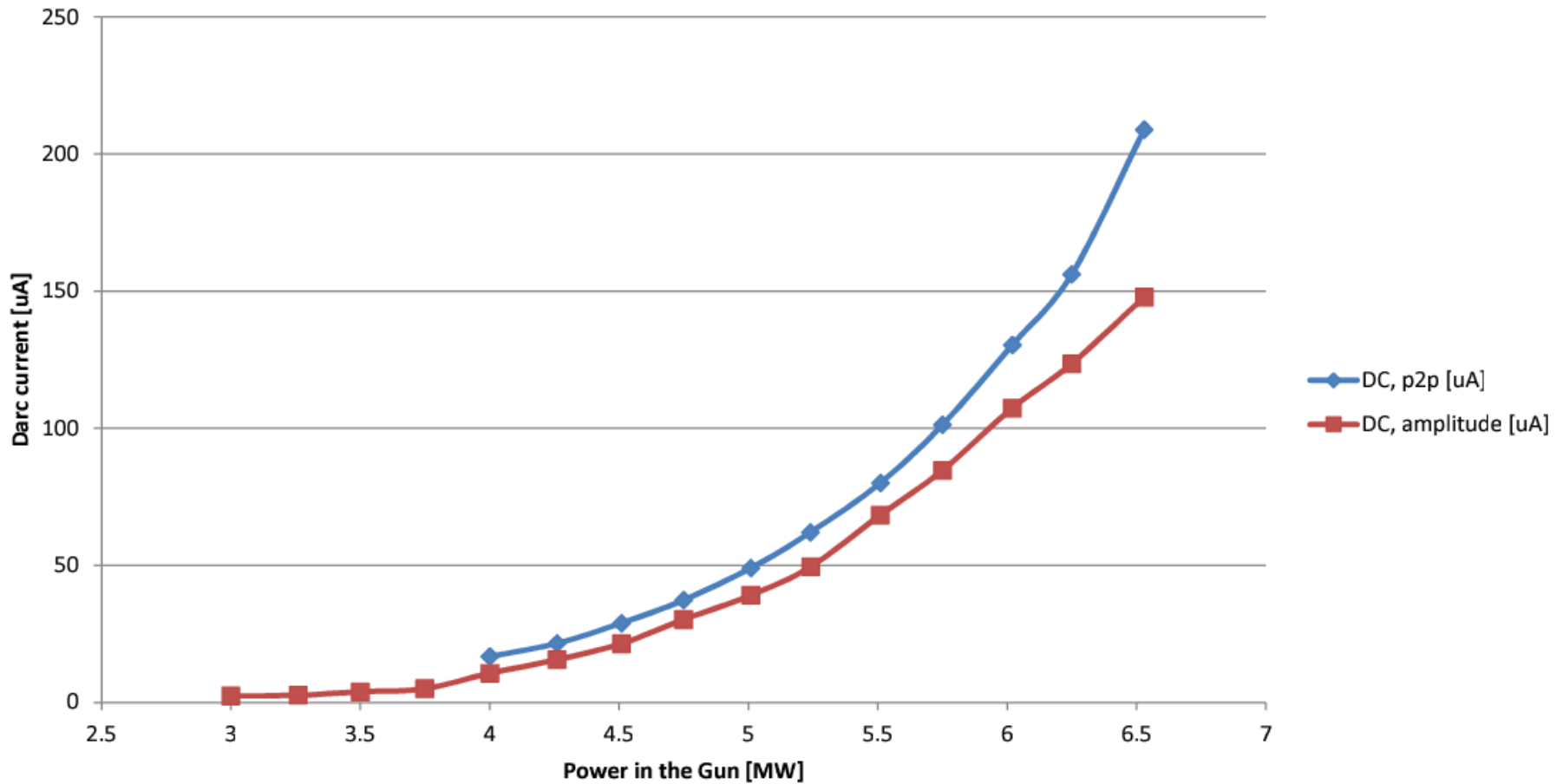
- Plasma cell studies
- 3D laser studies
- Extract plasma cell from the beamline
- Gun stability measurements with different WCS sensors



- No beam after plasma chamber can be observed since 25.07.15 ~07:00. Reason is not clear. Plasma cell needs to be dismantled and studied.
- Often WCS server malfunctioning leads to gun IL. Has to be solved by Joerg/Bagrat.
- Bucking magnet problem – solved by EPICS card exchange

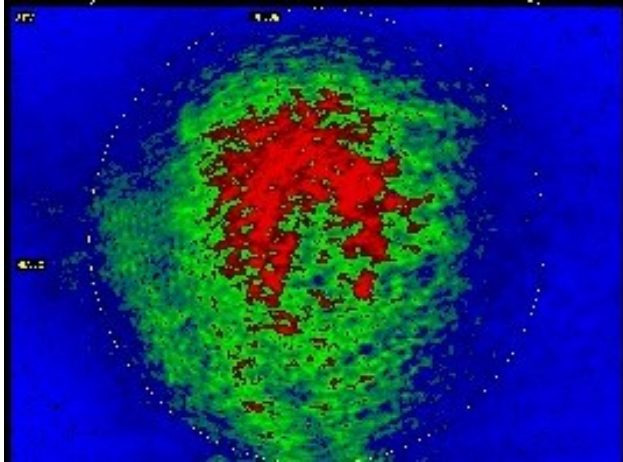
- Plasma cell is commissioned, plasma is produced, ArF laser timing scan is done
- No self modulations is observed with the plasma cell
- Dark current as a function of the gun power is measured
- Laser is realigned on the laser table. Further alignment is required in the tunnel in order to improve the transverse shape
- Phase stability measurements with different sensors
- 3D laser studies

Gun 4.2 / cathode 679.1 dark current

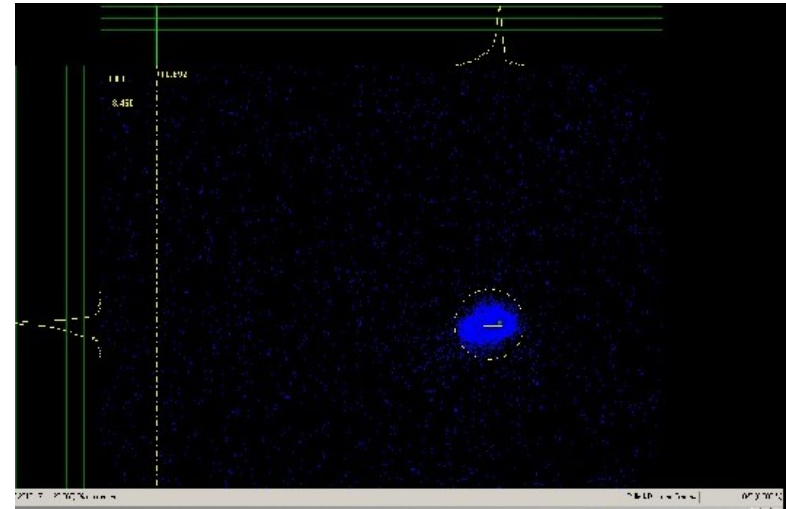


- FB on, WCS operation mode:
 - sensor 1, $T_{rms}=0.032\text{deg}$, $P_{rms}=0.023\text{MW}$, $\Phi_{rms}=0.102\text{deg}$
 - sensor 3, $T_{rms}=0.027\text{deg}$, $P_{rms}=0.026\text{MW}$, $\Phi_{rms}=0.085\text{deg}$
 - sensor 5, $T_{rms}=0.051\text{deg}$, $P_{rms}=0.027\text{MW}$, $\Phi_{rms}=0.143\text{deg}$
- FB on, WCS stabilization mode
 - sensor 1, $T_{rms}=0.015\text{deg}$, $P_{rms}=0.025\text{MW}$, $\Phi_{rms}=0.081\text{deg}$
 - sensor 3, $T_{rms}=0.032\text{deg}$, $P_{rms}=0.027\text{MW}$, $\Phi_{rms}=0.1\text{deg}$
 - sensor 5, $T_{rms}=0.042\text{deg}$, $P_{rms}=0.026\text{MW}$, $\Phi_{rms}=0.1\text{deg}$

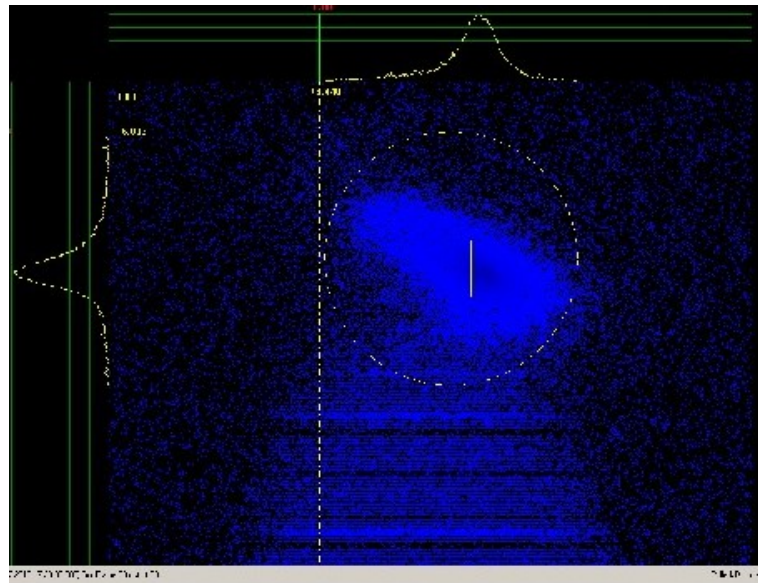
VC2 image



Low.Scr1



Low.Scr3



High1.Scr1

