

CM38

Goals for CM38:

- At CM38 we shall review the status of the experiment as usual:
 - Two particular issues to discuss ...
- Step IV:
 - FC#2 has been returned to TESLA for diagnosis and repair
 - FC#1 now being prepared for re training
 - Trained to 100% or specified current in solenoid mode
 - In flip mode, indication is that it could run at 10% below nominal current
 - Initial analysis of physics programme with FC#1 in Step IV and 10% reduction in operating current is that *there is a first-rate physics programme to do*:
 - Analysis assumed perfect, infinite channel in which MICE cell is part
 - Need to repeat with full simulation and reconstruction chain
 - MIPO:
 - Options analysis/decision tree for use of FC#1 at Step IV;
 - MEMO:
 - Physics analysis of programme that can be carried out at Step IV
 - Goal:
 - Assemble all relevant information and have a full discussion at CM38
 - This will allow decision on implementation programme after the CM

Goals for CM38:

- At CM38 we shall review the status of the experiment as usual:
 - Two particular issues to discuss ...
- **Step V versus Step VI:**
 - **Issues that arise implementing PRY:**
 - **Implementation of PRY at Steps V and VI will be a substantial engineering project:**
 - In particular, rearranging the PRY to go from Step V to Step VI will be a substantial amount of work
 - **Present projections show that RFCC#2 will follow closely on RFCC#1:**
 - In fact, likelihood is that time lag between RFCC#1 and RFCC#2 will be *smaller* than time taken to rearrange PRY
 - **Added to which there is the cost implication of re-fitting PRY**
 - **So, it seems unattractive/impractical to make a linear progression Step IV -> V -> VI**
 - **There were already questions from the funding agencies**
- **Benefit of Step VI over Step V:**
 - **Mission to quantify benefit of Step VI in time for a decision point in 2016**
 - **But essential to start now!**
 - **Physics Group has initiated the study; discussion at CM38**

CM38: block diagram; version 2

<p>Sunday, 23 February 14 Parallel sessions</p> <p><u>Organisers:</u></p> <p>MEMO Blackmore, Boyd, Rogers,</p> <p>MIPO PBS Level 2</p>			16/01/2014
<p>Monday, 24 February 14 Parallel sessions</p> <p><u>Organisers:</u></p> <p>MEMO Blackmore, Boyd, Rogers,</p> <p>MIPO PBS Level 2</p> <p>Pedagogical lecture #1</p> <p>Discussion</p>	17:00	17:35	00:35
	17:30	18:00	

- **Proposal for Pedagog#1:**
 - **Phase-space reduction in accelerators**
 - **J.P. Delehaye (not yet contacted)**

CM38: block diagram; version 2

Tuesday, 25 February 14	Plenary session 1: welcome and introduction	08:30	10:30	02:00
	Welcome	08:30	08:40	00:10
	Spokesman's introduction	08:40	09:00	00:20
	PM's report	09:00	09:30	00:30
	MMB & operations	09:30	10:00	00:30
	Coffee	10:00	10:30	00:30
	Plenary session 2: Instrumentation	10:30	12:00	01:30
	EMR	10:30	10:55	00:25
	Other Pid	10:55	11:15	00:20
	Tracker	11:15	11:40	00:25
	Spectrometer solenoid	11:40	12:00	00:20
	Lunch	12:00	13:00	01:00
	Plenary session 3: Cooling cell	13:00	14:30	01:30
	Absorber focus-coil module	13:00	13:25	00:25
	Coupling coil	13:25	13:45	00:20
	RF: cavities	13:45	14:10	00:25
	RF: power and distribution	14:10	14:30	00:20
	Coffee	14:30	15:00	00:30
	Plenary session 4: Integration and infrastructure	15:00	16:30	01:30
	Partial return yoke	15:00	15:25	00:25
	MICE Hall	15:25	15:50	00:25
	MICE Local Control Room	15:50	16:15	00:25
	Coffee	16:15	16:30	00:15
	Pedagogical lecture #2	16:30	17:05	00:35
	Collaboration Board	17:30	19:00	01:30

- Proposal for Pedagog#2:**

- The physics of ionisation cooling**

- Bob Palmer (not yet contacted); John Cobb (not yet contacted); Chris Rogers (not yet contacted)

CM38: block diagram; version 2

Wednesday, 26 February 14	Plenary session 5: Physics	08:30	10:30	02:00
	Talk 1	08:30	08:40	00:10
	Talk 2	08:40	09:00	00:20
	Talk 3	09:00	09:30	00:30
	Discussion	09:30	10:00	00:30
	Coffee	10:00	10:30	00:30
	Plenary session 6: Operations	10:30	12:00	01:30
	Talk 1	10:30	10:55	00:25
	Talk 2	10:55	11:15	00:20
	Talk 3	11:15	11:40	00:25
	Discussion	11:40	12:00	00:20
	Lunch	12:00	13:00	01:00
	Plenary session 7: S/w&C	13:00	14:30	01:30
	Talk 1	13:00	13:25	00:25
	Talk 2	13:25	13:45	00:20
	Talk 3	13:45	14:10	00:25
	Discussion	14:10	14:30	00:20
	Coffee	14:30	15:00	00:30
	Plenary session 8: Summary and closing	15:00	16:30	01:30
	CB summary	15:00	15:25	00:25
	Talk 1	15:25	15:50	00:25
	Spokesman's closing remarks	15:50	16:15	00:25
	Coffee	16:15	16:30	00:15
	Adjourn	16:30		