

ISR RUNNING-INSchedule for Runs 3, 4 and 5

Dates : Run 3 - 6 November, 04:30 - 10:30
 Run 4 - 6 November, 10:30 - 16:30
 Run 5 - 9 November, 20:00 - 10 November, 02:00
 (The indicated hours show the "beam on time"; duties start earlier and end later, see below)

Beam from PS: Run 3: 15.001 GeV/c 20 bunches, during shorter periods 2 or 4 bunches (with interruptions)
 Run 4: 15.001 GeV/c 2 - 4 bunches (interruptions)
 Run 5: 15.001 GeV/c 2 - 4 bunches (interruptions)

I. Preparations for runs 3 and 4 on 5 November

1. Preparations in SRC: duty operator is A. Jones 16:00 - 19:00 hrs.
2. Setting up vacuum system with valves open (Angerth) before 18:00 hrs.
3. Search; starting 18:00 hrs (see schedule van der Voorde)

It is further suggested that all groups try out their equipment during Thursday afternoon before 18:00 (in particular power supplies, inflector and dump).

II. Start-up run 3 (04:00 hrs.)

1. Make announcements over intercom. Set D 1 controls free in Y.
2. Set up power supplies in Beam Transfer (15 GL) and in ring (15.175 GeV/c); set up dumping.
3. Prepare RF system.
4. D 1 = in ST 1 = out ST 3 = out BST 749 = in
5. Open valve V 101 (MCR).

III. Ejection on D 1 (04:30 - 04:50 hrs.)

Eject PS beam (M. Brouzet) with 20 bunches, minimize losses, center on LS 102. Check same thing with 2 bunches.

IV. Injection into Ring I (B. de Raad + team) (04:50 - 05:10 hrs.)

Open dump D 1. Switch on beam, and by using the same injection conditions as on previous runs, check out in the following sequences:

1. 2 bunches on BST 749
2. 20 " " "
3. 2 " circulating + dumping
4. 20 " " "

V. W. Schnell = Mr. X (5:10 - 07:45 hrs.)

Various tests to be performed on the RF system during trapping. Instabilities during RF decay in voltage. Check out Q-meter with 20 bunches etc. The circulating beam current should not pass 1 Amp.

VI. L. Resegotti = Mr. X (07:45 - 10:20 hrs.)

Beam life time measurements at different Q values. The Q value to be changed with pole face windings or quadrupoles.

VII. Change over of the PS conditions from run 3 to run 4 (Starting at 10:15 hrs)

It is suggested by Mr. Bruzet that some time is given up before the end of the PS machine development time MD (10:30). This will allow him to give ISR a better garanty for a stable beam during run 4.

Run 4

VIII. B. de Raad = Mr. X (10:30 - 12:30 hrs.)

Try out injection further away from the central orbit. Measure Q at this orbit. Check out protection on vacuum chamber of septum magnet (thermocouples = Mr. Reistad and ionchamber = Mr. Turner)

IX. W. Schnell = Mr. X (12:30 - 16:30 hrs.)

Continuation of RF program (see report ISR-RF/70-51)

Run 5 - 9 November

Details for this run will be given to the participants on Monday evening during the briefing at 19:00 hrs.

B. de Raad will most likely be Mr. X, and check out injection at various orbits.

Staff to be present:

	6 November 04:00 - 10:30	6 November 10:30 - 16:30	9 November 19:00 - 02:00
EIC	Ferger	Gröbner	Gourber
Assistant EIC	Gourber	O'Hanlon	Gröbner
General Operator	Chassard	Mudry	Mellonie
Preparations	A. Jones (see I)	-	Chassard (16 hrs)
	<u>B. de Raad</u>		
Beam Transfer	Burton	Neet	Knezovic
Injection	Knezovic	Hub	Neet
Inflector/dump	Middlekoop	O'Hanlon	O'Hanlon
A.7	Zanasco	Castelli	-
A.2	A. Jones	Delizée	-
Vacuum	Le Normand Scalambrini	Monnier Latorre	Schuhbäck Excoffon
Computer	Wolstenholme	de la Rive Box	Tausch
Ring Power Supplies	van der Meer	Etgen	van der Meer
BT Power Supplies	Devard	Pett	Pett
	<u>W. Schnell</u>		
RF group	Bramham Borer Hansen de.Jonge Frischholz Tranchant Juillard Brown	} Same crew ? }	Not settled yet
	<u>L. Resegotti</u>		
Magnet group	Bryand Henrichsen (from 7:00 on) Mathey	Auten	Not settled yet
DC current recording	Unser	Neet	?
SEM - readout	-	-	Barlow

Electricity	Schmitt 04:00-07:30	Bouscail 07:30-16:30	Porte Hajdinjack
Watercooling	Hugi	Colombrini or Appel	Caracausi or Appel
Search	Rieben (Nov. 5)	Rieben	Rieben
Acces control	Rieben	Gröbner	Gröbner

For questions on coordination please contact W. Schnell or D. Neet

Schedule Editor

Distribution:

List: Schedules for ISR running-in

+ Staff to be present, not appearing on the above list