CERN/ISR/EXP/9
March 1975

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

PROGRAMME OF ACCEPTED EXPERIMENTS

CERN INTERSECTING STORAGE RINGS

March 1975

Table 1 : ISR Experiments running or accepted
Table 2 : ISR Experiments completed at March 1975

Fig. 1 : General Layout, first half of 1975
Fig. 2 : Layout of Intersection 1 (Exp. R 107)
Fig. 3 : Layout of Intersection 2 (Exp. R 205/206)
Fig. 4 : Layout of Intersection 4 with the S.F.M. Facility (Exp. R 406)
Fig. 5 : Layout of Intersection 6 (Exp. R 605)
Fig. 6 : Layout of Intersection 8 (Exp. R 805 and R 806T).

Ugo Amaldi
ISR Co-ordinator.

Table 1

ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-1	R-107	CERN/ISRC/73-7 CERN/ISRC/73-7/Add.1,2	Search for Multigamma Events	Adelphi-Brookhaven-Rome Collaboration: Dooher; Yuan, Dell, Uto; Amaldi Ed., Beneventano, Borgia, Dore, Longo, Martelotti, de Notaristefani, Pistilli, Sestili	NPRC 122 14.11.73	Taking data
I-1	R-108	CERN/ISRC/73-13 CERN/ISRC/73-13/Add.1 CERN/ISRC/74-5 CERN/ISRC/74-54	Search for $e^{\pm}$, $e^{+}e^{-}$ multi-pion correlations with superconducting solenoid	CERN-Columbia-Oxford-Rockefeller Collaboration: Camilleri, Di Lella, Dimcovski, Pope, Smith A.M., Stanko, Blumenfeld, Hollebeek, Lederman, Vidal, White S.N., Segar, White T.O., Cool, Rothenberg, Tannenbaum	NPRC 127 17.4.74	Scheduled November 1975

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-2	R-205	CERN/ISRC/73-27 CERN/ISRC/73-27/Add.1 CERN/ISRC/75-8	Correlations associated with high transverse momentum particles	Daresbury-Liverpool-RHEL-Scandinavian Collaboration: Aston, Duke, Rock; Booth, Carroll, Jackson, Morris; Albrow, Alper, Clark, Groves, Ott, Shah, Thresher, Holloway, Wenzel, Gee; Jarlskog, Jensen, Ogren, Korder	NPRC 123 5.12.73	Taking data till June 1975
I-2	R-206	CERN/ISRC/73-34 CERN/ISRC/75-8	Multiplicity and rapidity distributions of diffractive collisions	CERN-Holland-Lancaster-Manchester Collaboration: Armitage, Benz, Bobbink, Bosnjakovic, Erné, Kooijman, Loebinger, Macbeth, McCubbin, Montgomery, Murphy, Radojicic, Rudge, Sens, Singh, Stork, Strolin, Timmer	NPRC 124 9.1.74	Taking data till June 1975
I-2	R-207	CERN/ISRC/74-20 CERN/ISRC/74-24 CERN/ISRC/75-5	Diffraction dissociation at small momentum transfer	CERN-Holland-Lancaster-Manchester Collaboration: Armitage, Benz, Bobbink, Bosnjakovic, Erné, Kooijman, Loebinger, Macbeth, McCubbin, Montgomery, Murphy, Radojicic, Rudge, Sens, Singh, Stork, Strolin, Timmer	NPRC 130 17.7.1974	Installation June 1975

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-3	R-301	CERN/ISRC/74-33	Search for Magnetic Monopoles	Bologna-Fermi Lab.Chicago Coll.: Carrigan, Giacomelli, Nezrick	NPRC 133 13.11.74	Taking data

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-4	R-401	CERN/ISRC/69-14 CERN/ISRC/69-14/Add.1-5 CERN/ISRC/74-43	Isobar production at ISR energies (with the forward part of the SFM detector and additional n-, trigger- and monitor counters). Special MWPC's for the compensator magnet are added	CERN-Hamburg-Orsay-Vienna Collaboration: Bartl, Brandt, Broll, Coignet, Dibon, Favier, Flügge, Gottfried, Massonet, Nagy, Neuhofer, Niebergall, Regler, Schmidt-Parzefall, Schubert, K.R., Schuhmacher, Vivargent, Winter	NPRC 83 4.7.69	Phase I: Analysis. Phase II: Scheduled November 1975
I-4	R-406	CERN/ISRC/70-31 CERN/ISRC/70-31/Add.1-3 CERN/ISRC/74-48 CERN/ISRC/75-2; 75-3	Search for new particles (using Split Field Magnet)	CERN-Bologna Collaboration: Palmonari, Valenti, Zichichi; Basile, Bollini, Cara-Romeo, Chifarelli, Giusti, Massam, Monari	NPRC 110 30.8.72	Data taking from March till July 1975
I-4	R-407 R-408	CERN/ISRC/71-30 CERN/ISRC/71-30/Add.1 CERN/ISRC/71-34 CERN/ISRC/73-29 CERN/ISRC/74-4 CERN/ISRC/74-47	Two-particle correlations in the fragmentation region using the S.F.M.	CERN-Coll.de France-Heidelberg-Karlsruhe Collaboration: Drijard, Fischer, H., Innocenti, Krzywdzinski, Minten, Morrison, Stein, Stroynowski; DellaNegra, Frenkiel, Ghesquiere, Fontaine, Linglin; Frehse, Hoffmann, W., Kluge, Putzer, Schneider, H., Hanke, Isenbeck, Schmidt, K.H., Wegener	NPRC 110 30.8.72	Scheduled August-October 1975

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-4	R-410	CERN/ISRC/71-37 CERN/ISRC/71-38 CERN/ISRC/71-38/Add.1 CERN/ISRC/73-7 + Add.1-2 CERN/ISRC/74-58 CERN/ISRC/75-7	Study of particle correlations at large angles	MIT-Orsay-Scandinavian Collaboration: Burger,J.,Little,Sanford,Ting; De Bouard, Lu,Villeneuve,Vivargent; Almehed,Lörstad; Dahl-Jensen,D.,Dahl-Jensen,N.,Hansen, Herbsleb,Jensen,Lohse,Øvergaard-Petersen; von Dardel,Jarlskog,Korder; Klovning, Lillethun,Skard	NPRC 110 30.8.72	Starting August 1975
I-4	R-411	CERN/ISRC/72-23	Double isobar production at the ISR to study $p + p \rightarrow (p\pi^+\pi^-) + (p\pi^+\pi^-)$	Pavia-Princeton Collaboration: Cavalli-Sforza,Conta,Fraternali,Goggi, Impellizzeri,Montovani,Pastore,Ratti, Rossini,Scannicchio; Coyne, O'Neil, Sadrozinski	NPRC 112 1.11.72	Prolongation scheduled November 1975
I-4	R-413	CERN/ISRC/72-7 CERN/ISRC/72-7/Add.3-5 CERN/ISRC/74-10 CERN/ISRC/74-50 CERN/ISRC/74-58 CERN/ISRC/75-7	Selective large p_T trigger for the S.F.M.	Liverpool-Orsay- RHEL-Scandinavian Coll.: Albrow,Booth,Jackson,Rock,Morris; De Bouard,Lu,Villeneuve,Vivargent; Dahl-Jensen,D.,Dahl-Jensen,N.,Damgaard, Hansen,Herbsleb,Jensen,Lohse,Øvergaard-Petersen,von Dardel,Jarlskog,Korder, Klovning,Lillethun,Skard; Almehed, Lörstad	NPRC 120 5.9.1973 13.3.1975	Installation June 1975

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
1-6	R-605	CERN/ISRC/74-38 CERN/ISRC/74-45	Search for Electrons and Muons directly produced in the forward direction: A hunt for charmed particles	CERN-Harvard-Munich-Northwestern Uni.-Riverside Coll.: Couchman, Derevshchikov, Golutvin, Kukhtin, McIntyre, Muller F., Naroska, Orkin-Lecourtois, Tarnopolsky, Telegdi; Rubbia, Glauber; Baur, Böhm, Heusch, Hilscher, Irion, Rossi, Schinzel, Staude, Voss; Block, Crawford; Kernan, Layter, Marsh, Nussbaum, Shen	NPRC 133 13.11.74	Phase 1 started November 1974
1-7	R-702	CERN/ISRC/74-51 CERN/ISRC/74-55	Proposal to Search for Charmed Particles and Electron Pairs	CERN-Saclay Collaboration: Aubert, Banner, Cazor, Chèze, Darriulat, Dittmann, Eggert, Modis, Pansart, Seiden, Smadja, Strauss, Teiger, Vesztergombi, Vialle, Zaccone, Zylbersztejn	NPRC 135 12.1.1975	Phase 1 to be completed by end 1975

Table 1 (cont'd)
ACCEPTED CERN ISR EXPERIMENTS

Area	Expt. Code	ISRC Reference Number	Description of Experiment	Composition of Group	NPRC Acceptance	Status
I-8	R-804	CERN/ISRC/73-28 CERN/ISRC/73-28/Add.1	Study of electromagnetic properties of protons in the time-like region and search for the neutral boson Z^0. (Muon pair production)	Genova-Harvard-MIT-Pisa Collaboration: Diambrini-Palazzi, Sannino, Strauch, Newman; Becker, Biggs, Burger, Cook, Everhart, Goldhagen, Little, Sanford, Ting; Bellettini, Braccini; Castaldi, Cavasinni, Cervelli, Laurelli, Massai, Morganti, Nappi A, Del Prete, Sanguinetti	NPRC 123 5.12.73	Tests in 1975 Full installation in 1976
I-8	R-805	CERN/ISRC/74-17	Real to imaginary ratio of forward scattering amplitude (Coulomb interference)	CERN-Rome Collaboration: Amaldi U., Baroncelli, Bosio, Cocconi, Diddens, Dobinson, Dorenbosch, Duinker, Gustavson, Meyer, Wetherell	NPRC 130 17.7.1974	To be installed in April 1975
I-8	R-806T	CERN/ISRC/73-33 CERN/ISRC/74-21 CERN/ISRC/74-28	Study of large transverse momentum phenomena with transition radiation and calorimeters	Brookhaven-CERN-Syracuse-Yale Collaboration: Cobb, Palmer, Rahm; Fabjan, Nappi, A., Struczinski, Willis; Feinberg, Goldberg, Horowitz, Linscott, Moneti, Kourkoumelis, Lankford, Rehak	NPRC130 17.7.1974	Tests start in March 1975

Table 2

ISR EXPERIMENTS COMPLETED MARCH 1975

Area	Expt. Code	Description of Experiment	Authors	Completion of Data-taking	Status
I-1	R-101	Emulsion exposures giving angular distribution of charged and stopping particles between 35^0 and 90^0	CERN-Cracow-Bucharest-Tata Emulsion Collaboration: Annoni, Cordaillat, Czyzewski, Friedländer, Gierula, Gurtu, Haiduc, Herz, Marin, Vicky, Wolter	September 1971	Published
I-1	R-102	a) Study of interactions in which γ rays and electrons with large transverse momentum are emitted. b) Search for "Quarks" at large angles	Saclay-Strasbourg Collaboration: Banner, Cheze, Hamel, Stirling, Teiger, Zaccone, Pansart; Bassompierre, Crcissiau, Gresser, Morand, Schneegans, Riedinger	April 1972	Published
I-1	R-103	Search for massive dileptons	CERN-Columbia-Rockefeller Collaboration: Büsser, Camilleri, Di Lella, Placci, Pope, Smith A., Yoh, Zavattini; Blumenfeld, Lederman; Cool, Litt L., Segler	December 1972	Published
I-1	R-104T	An exploratory experiment on the search for multigamma events	Brookhaven-Grumman-Rome Collaboration: Yuan, Utc, Dell, Dooher, Amaldi Ed., Beneventano, Borgia, Pistilli	December 1972	Published
I-1	R-105	To measure high transverse momentum charged particles and neutral pions	CERN-Columbia-Rockefeller-Saclay Collaboration: Banner, Blumenfeld, Büsser, Camilleri, Cool, Di Lella, Hamel, Lederman, Pansart, Pope, Rothenberg, Segler, Smith A.M., Tannenbaum, Teiger, White, Zaccone	September 1974	Partly published
I-1	R-106	Search for magnetic monopoles with the plastic detector technique	Bologna-CERN/Saclay-Rome Collaboration: Capiluppi, Giacomelli, Rossi, Vannini, Bussière, Baroni, Diliberto, Petrera, Romano	September 1974	Partly published

Table 2 (cont'd)

ISR EXPERIMENTS COMPLETED MARCH 1975

Area	Expt. Code	Description of Experiment	Authors	Completion of Data taking	Status
I-2	R-201	Particle production at small angles	CERN-Holland-Lancaster-Manchester Collaboration: Albrow, Barber, Brooks, Bogaerts, Bosnjakovic, Chang, Clegg, Erné, Kooyman, Loebinger, McCubbin, Murphy, Rudge, Sens, Sessoms, Timmer	March 1974	Published
I-2	R-202	Study of positive and negative particle production in high energy proton-proton collisions at intermediate angles	Argonne-Bologna-Michigan Coll.: Antinucci, Babcock, Bertin, Bussière, Capiluppi, D'Agostino-Bruno, Ellis, Giacomelli, Krisch, Maroni, Ratner, Roberts, Rossi, Vannini	September 1971 (Positive particles) May 1973 (Negative particles)	Published
I-2	R-203	Inclusive production of high momentum particles in proton-proton collisions at large angles	The British Universities of R-204 and the Scandinavian Coll.: Alper, Bøggild, Booth, Carroll, Damgaard, Von Dardel, Groves, Jackson, Jarlskog, Klovning, Leistam, Lillethun, Ølgaard-Nielsen, Prentice, Quarrie, Weiss	December 1973	Published
I-2	R-204	Measurement of muons with large transverse momentum as a search for the intermediate vector boson	The British Universities: Jeffs, Leechikwong, Lintern, Pitts, Sharp, Sharrock, Gibson, Manning, Smith W.	December 1973	Published
I-4	R-402	Search for fractionally charged particles	CERN-Munich Collaboration: Caldwell, Fabjan, Gruhn, Hyams, Sauli, Zahniser, Bott-Bodenhausen, Stierlin, Rochester, Winstein, Tirler	August 1972	Published
I-4	R-403T	Split Field Magnet detector studies	S.F.M. detector group: Charpak, Drijard, Fischer, Heck, Innocenti, Minten, Piuz, Maurin	December 1974	Published
I-4	R-404T	Test to search for heavy baryon isomers	CERN-Hamburg-Vienna Coll.: Dibon, Flügge, Gottfried, Nefkens, Neuhofer, Niebergall, Regler, Schmidt-Parzefall, Schubert, Schumacher, Winter	May 1973	Published
I-4	R-405	Neutron production at small angles	CERN-Karlsruhe Coll.: Engler, Flauger, Gibbard, Monnig, Schopper, Bartel, Schmidt	October 1972	Published

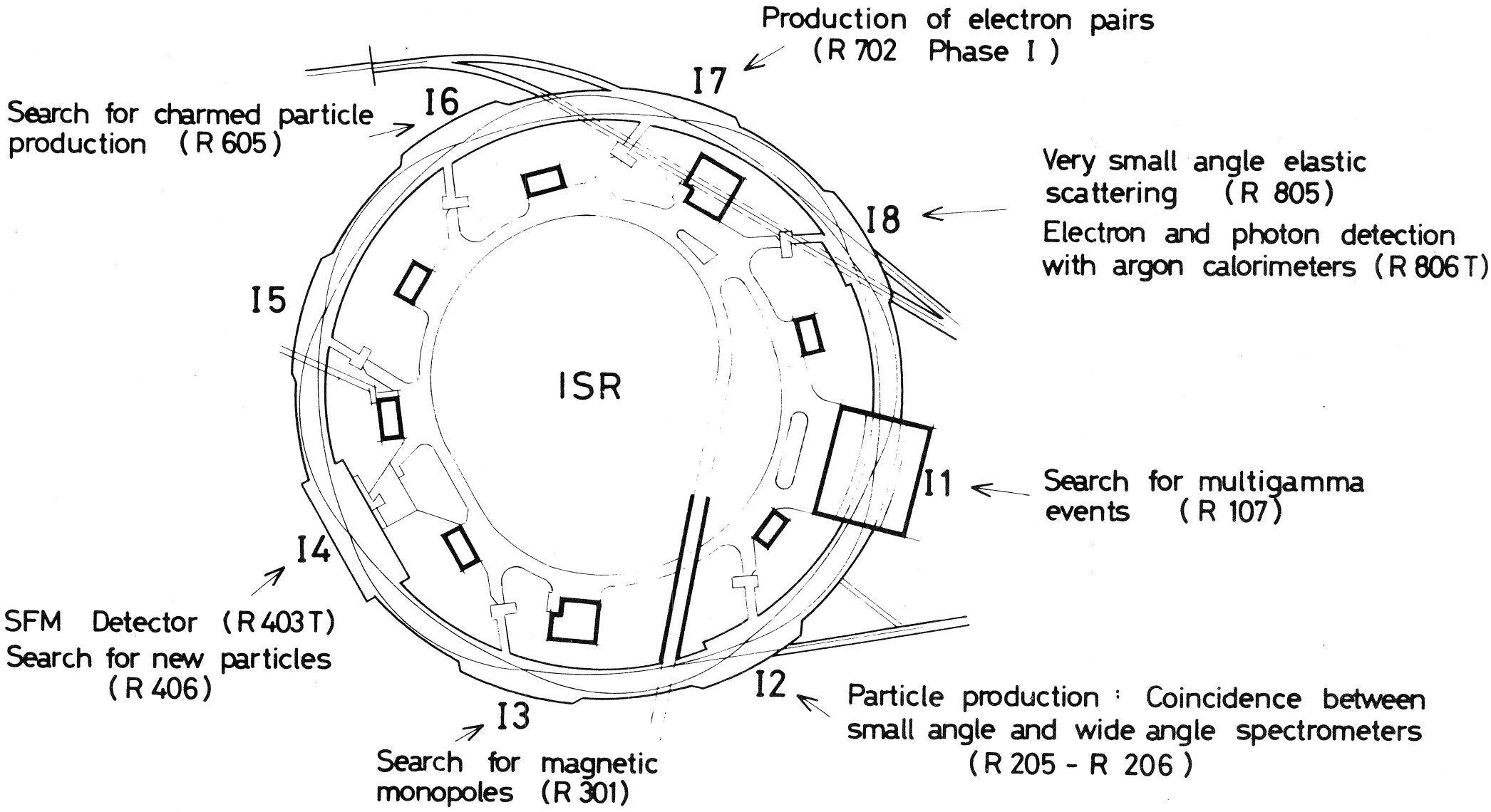
Table 2 (cont'd)

ISR EXPERIMENTS COMPLETED MARCH 1975

Area	Expt. Code	Description of Experiment	Authors	Completion of Data taking	Status
I-4	R-412	Study of large transverse momentum events using the S.F.M. and lead glass Čerenkov counters	CERN-Aachen Collaboration: Darriulat, Dittman, Eggert, Holder, McDonald, Modis, Navarria, Steinberger, Strauss, Williams E.G., Vesztergombi	November 1974	Analysis
I-6	R-601	pp small angle scattering and total cross section	CERN-Rome Collaboration: Allaby, Amaldi, Bartel, Biancastelli, Bosio, Cocconi, Diddens, Dobinson, Matthiae, Wetherell	December 1972	Published
I-6	R-602 Phase I	Measurement of the elastic scattering cross section beyond the Coulomb interference region. Search for "Quarks" at small angles	CERN-Aachen-Univ. Calif.-Genova-Harvard-Torino Coll.: Baksay, Boehm, Bozzo, Di Zorzi, Ellis, Ferrero, Foeth, Maderni, Meyer, Naroska, Pilcher, Rubbia, Schlein, Sette, Staude, Strolin, Sulak, Trippe, Webb	Phase I. August 1973	Published
I-6	R-602 Phase II	Measurement of elastic scattering cross section and σ_T	CERN-Aachen-Genova-Harvard-Munich-North-Western-Riverside Coll.: Baum, Böhm, Di Zorzi, Ellis, Foeth, Hilscher, Kernan, Layter, Muller F, Naroska, Rubbia, Schinzel, Sette, Staude, Strolin, Telegdi, Trilling, Von Baksay	July 1974	Analysis
I-6	R-603	Inclusive measurement of multiparticle hadron systems (Δ^{++})	Aachen-CERN-UCLA Coll.: Von Baksay, Boehm, Foeth, Staude, Ellis, Naroska, Strolin, Lockman, Medinnis, Meyer, Rander, Schlein, Webb	Nov. 1974	Analysis. Partly published
I-7	R-701	Observation of p-p collisions with streamer chambers, inclusive trigger and high transverse momentum π^0 trigger	CERN-Aachen-Heidelberg-Munich Coll.: Albrecht, Darriulat, Derado, Dittman, Eckhardt, Eggert, Gebauer, Holder, McDonald, Meinke, Modis, Pugh, Sanders, Schmitz, Schneider, Seyboth, Thomé, Tittel	August 74	Published

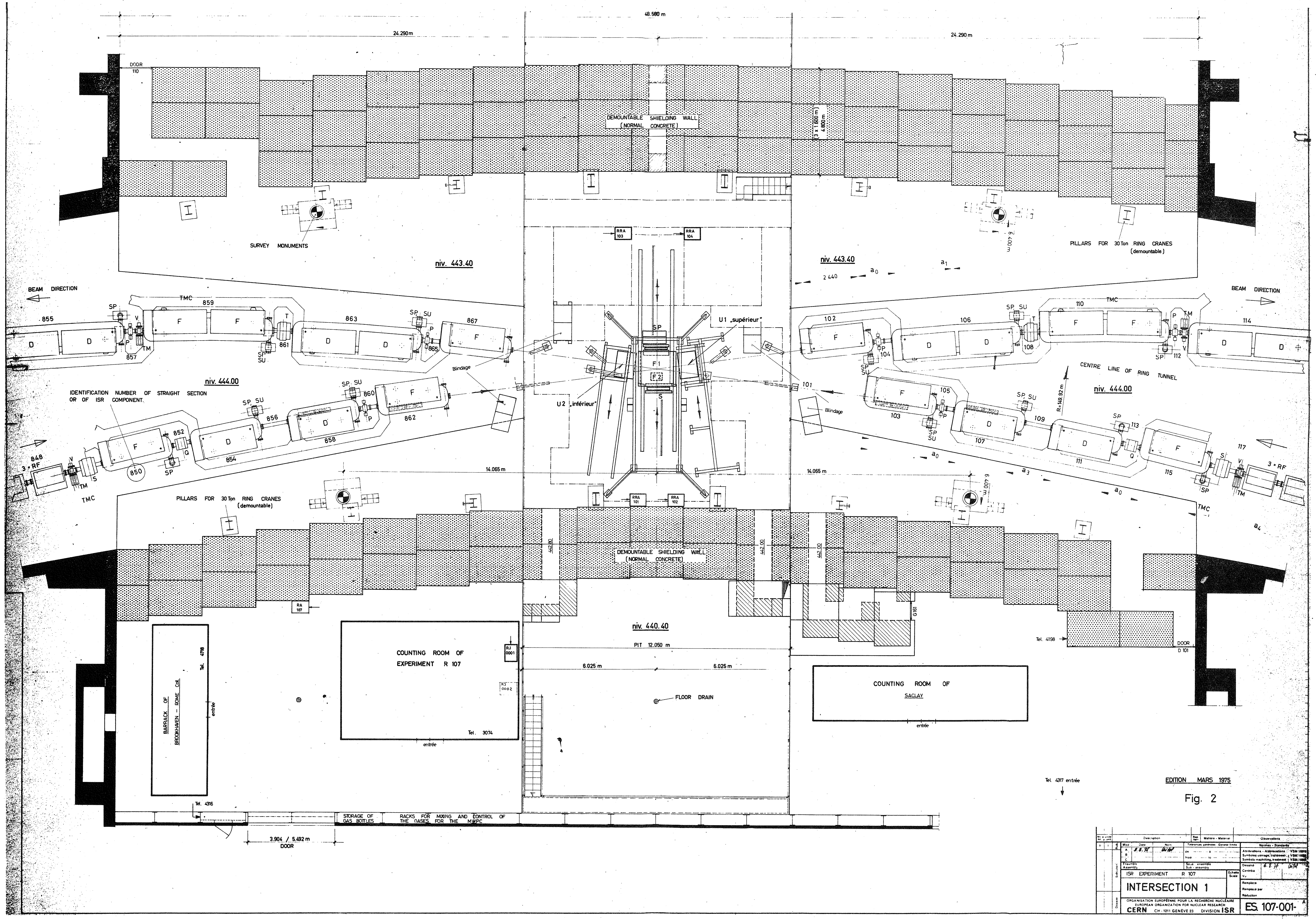
Table 2 (cont'd)
ISR EXPERIMENTS COMPLETED MARCH 1975

Area	Expt. Code	Description of Experiment	Authors	Completion of Data taking	Status
I-8	R-801	Measurement of σ_{tot} and correlations with counter hodoscopes and lead glass Cerenkov counters	CERN-Pisa-Stony Brook Coll.: Amendolia, Bellettini, Braccini, Castaldi, Cervelli, Del Prete, Foà, Jöstlein, Krachmalnicoff, Laurelli, Valdata, Finocchiaro, Grannis, Kepkart, Owen, D.L., Thun	December 1974	Published
I-8	R-802	Particle production in the forward direction using a magnetic spectrometer, multi-wire proportional chambers and neutron counter	CERN-Rome Collaboration: Amaldi U., Allaby, Cocconi, Diddens, Dimcovski, Dobinson, Duinker, Meyer, Wetherell; Thorndike; Baroncelli, Bosio, Matthiae	December 1974	Submitted for Publication
I-8	R-803	Study of inclusive particle production at very low p_t and $X \sim 0$	British-Scandinavian-MIT Coll.: Bøggild, Duane, Duff, Güttler, Gibson, Henning, Jarlskog, Korder, Leistam, Little, Newman, Ogren, Prentice, Sanford, Sharrock, Sau-Lan Wu	December 1974	Analysis



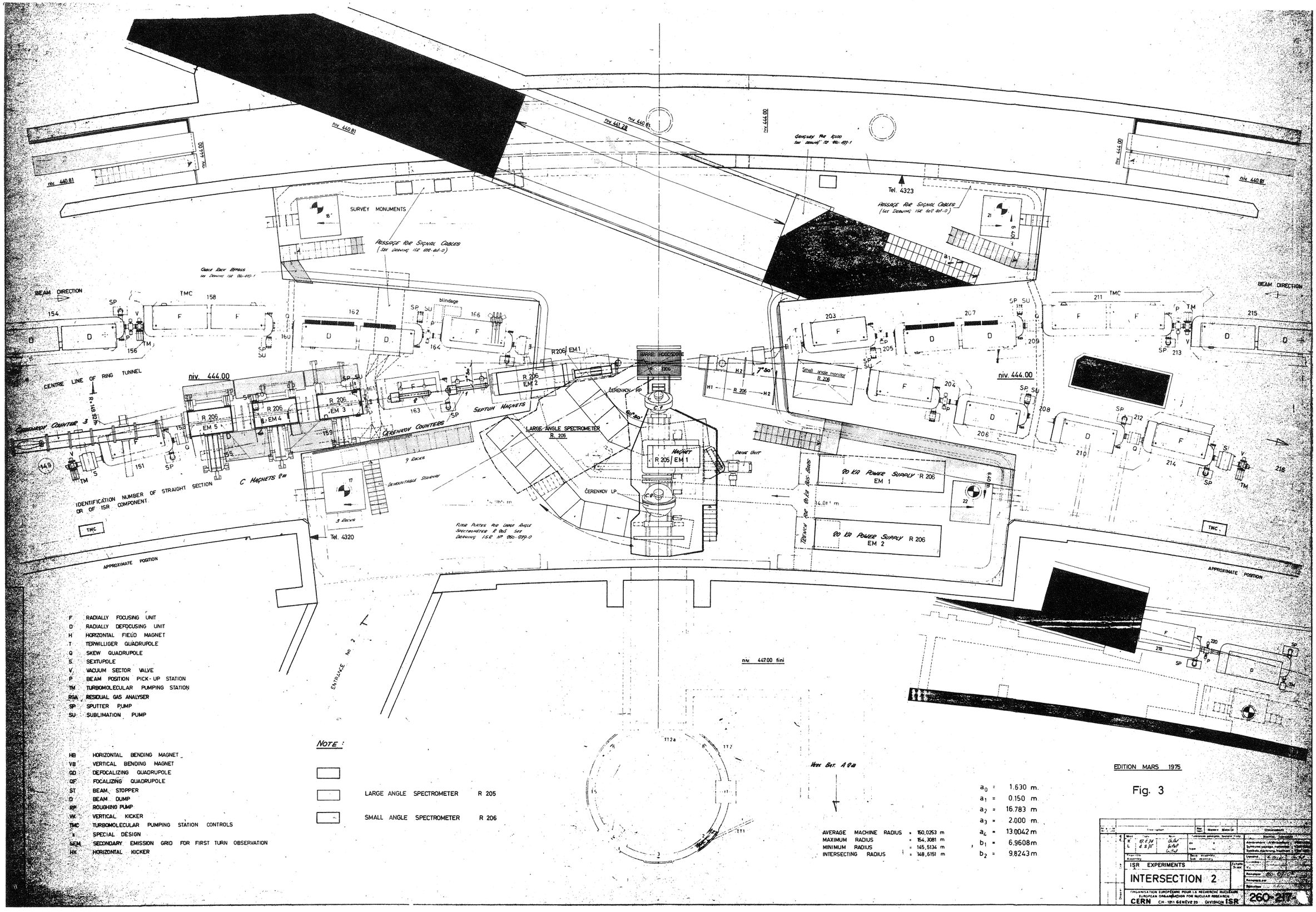
ISR EXPERIMENTS

First half of 1975 Fig. 1



48.580 m
24.290 m
24.290 m
DOOR 110
DEMOUNTABLE SHIELDING WALL (NORMAL CONCRETE)
SURVEY MONUMENTS
niv. 443.40
niv. 443.40
PILLARS FOR 30 Ton RING CRANES (demountable)
BEAM DIRECTION
BEAM DIRECTION
RRA 103
RRA 104
U1 „supérieur"
U2 „intérieur"
Blindage
Blindage
CENTRE LINE OF RING TUNNEL
niv. 444.00
niv. 444.00
IDENTIFICATION NUMBER OF STRAIGHT SECTION OR OF ISR COMPONENT.
14.065 m
14.065 m
PILLARS FOR 30 Ton RING CRANES (demountable)
RRA 101
RRA 102
DEMOUNTABLE SHIELDING WALL (NORMAL CONCRETE)
niv. 440.40
PIT 12.050 m
6.025 m
6.025 m
FLOOR DRAIN
COUNTING ROOM OF EXPERIMENT R 107
COUNTING ROOM OF SACLAY
BARRACK OF BROOKHAVEN – ROME Col.
DOOR D 101
STORAGE OF GAS BOTTLES
RACKS FOR MIXING AND CONTROL OF THE GASES FOR THE MWPC
3.904 / 5.492 m DOOR
EDITION MARS 1975
ISR EXPERIMENT R 107
INTERSECTION 1
ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
CERN CH-1211 GENÈVE 23 DIVISION ISR
ES 107-001-

Fig. 2



IDENTIFICATION NUMBER OF STRAIGHT SECTION OR OF ISR COMPONENT

F RADIALLY FOCUSING UNIT
D RADIALLY DEFOCUSING UNIT
H HORIZONTAL FIELD MAGNET
T TERWILLIGER QUADRUPOLE
Q SKEW QUADRUPOLE
S SEXTUPOLE
V VACUUM SECTOR VALVE
P BEAM POSITION PICK-UP STATION
TM TURBOMOLECULAR PUMPING STATION
RGA RESIDUAL GAS ANALYSER
SP SPUTTER PUMP
SU SUBLIMATION PUMP

HB HORIZONTAL BENDING MAGNET
VB VERTICAL BENDING MAGNET
QD DEFOCALIZING QUADRUPOLE
QF FOCALIZING QUADRUPOLE
ST BEAM STOPPER
D BEAM DUMP
RP ROUGHING PUMP
VK VERTICAL KICKER
TMC TURBOMOLECULAR PUMPING STATION CONTROLS
x SPECIAL DESIGN
SEM SECONDARY EMISSION GRID FOR FIRST TURN OBSERVATION
HK HORIZONTAL KICKER

NOTE :

LARGE ANGLE SPECTROMETER R 205

SMALL ANGLE SPECTROMETER R 206

AVERAGE MACHINE RADIUS = 150.0253 m
MAXIMUM RADIUS = 154.3081 m
MINIMUM RADIUS = 145.5134 m
INTERSECTING RADIUS = 148.6151 m

a_0 = 1.630 m.
a_1 = 0.150 m
a_2 = 16.783 m
a_3 = 2.000 m.
a_4 = 13.0042 m
b_1 = 6.9608 m
b_2 = 9.8243 m

EDITION MARS 1975

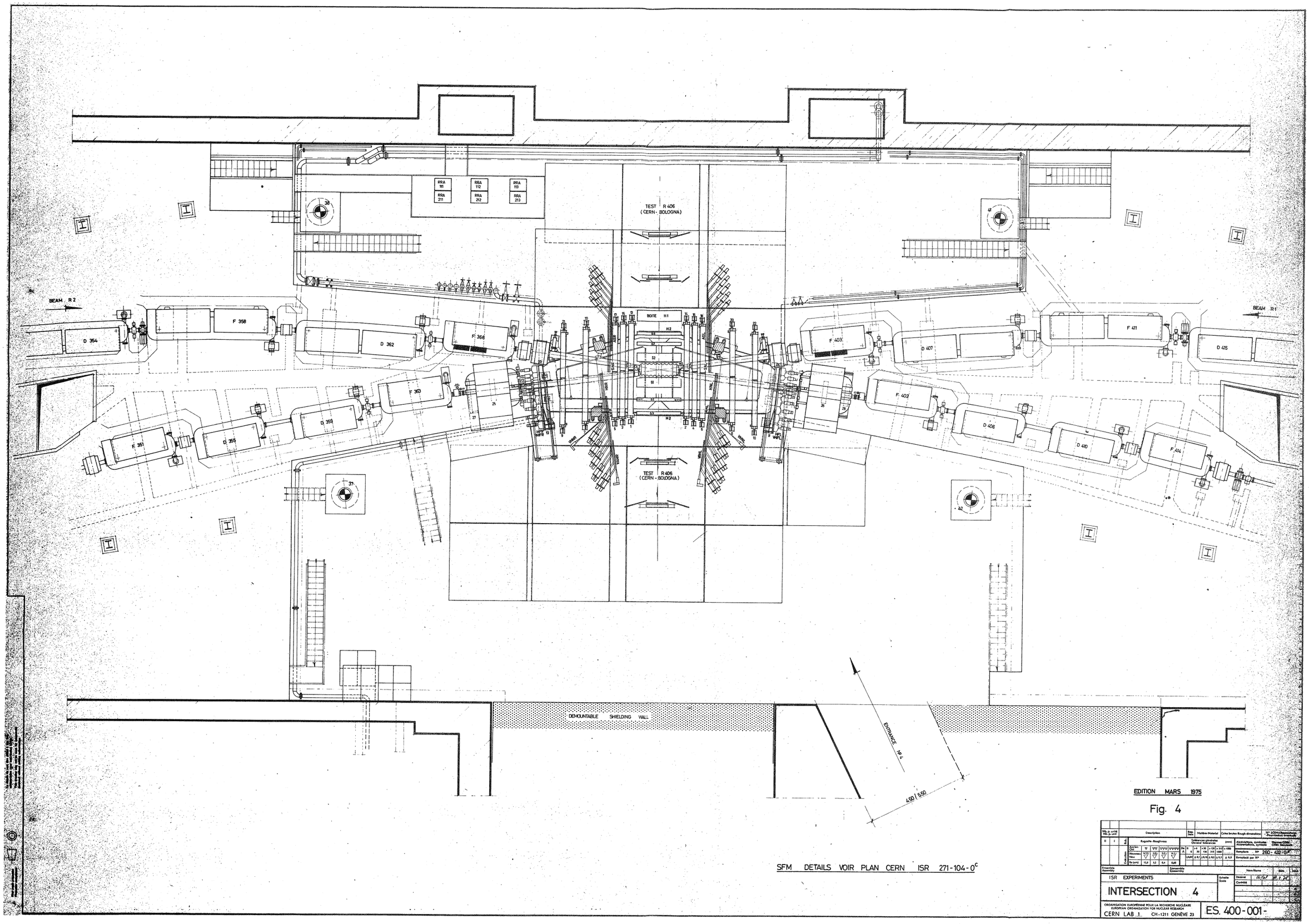
Fig. 3

ISR EXPERIMENTS

INTERSECTION 2

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
CERN CH-1211 GENÈVE 23 - DIVISION ISR

260-217



SFM DETAILS VOIR PLAN CERN ISR 271-104-0^{C}

EDITION MARS 1975

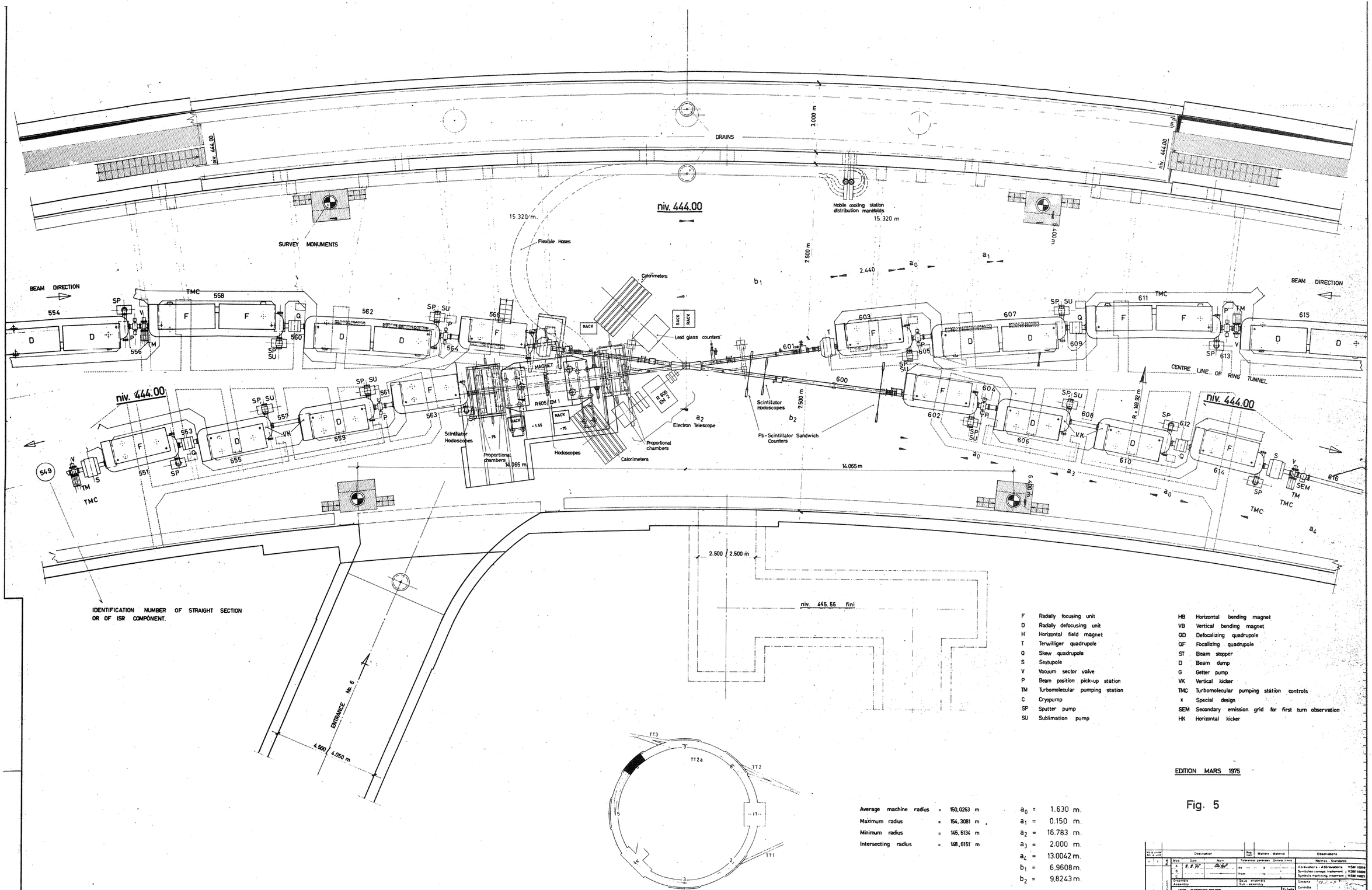
Fig. 4

ISR EXPERIMENTS

INTERSECTION 4

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
CERN LAB I. CH-1211 GENÈVE 23

ES. 400-001-



F	Radially focusing unit	HB	Horizontal bending magnet
D	Radially defocusing unit	VB	Vertical bending magnet
H	Horizontal field magnet	QD	Defocalizing quadrupole
T	Terwilliger quadrupole	QF	Focalizing quadrupole
O	Skew quadrupole	ST	Beam stopper
S	Sextupole	D	Beam dump
V	Vacuum sector valve	G	Getter pump
P	Beam position pick-up station	VK	Vertical kicker
TM	Turbomolecular pumping station	TMC	Turbomolecular pumping station controls
C	Cryopump	x	Special design
SP	Sputter pump	SEM	Secondary emission grid for first turn observation
SU	Sublimation pump	HK	Horizontal kicker

EDITION MARS 1975

Fig. 5

Average machine radius	= 150,0263 m	a_0	= 1.630 m.
Maximum radius	= 154,3081 m	a_1	= 0.150 m.
Minimum radius	= 145,5134 m	a_2	= 16.783 m.
Intersecting radius	= 148,6151 m	a_3	= 2.000 m.
		a_4	= 13.0042 m.
		b_1	= 6,9608 m.
		b_2	= 9,8243 m.

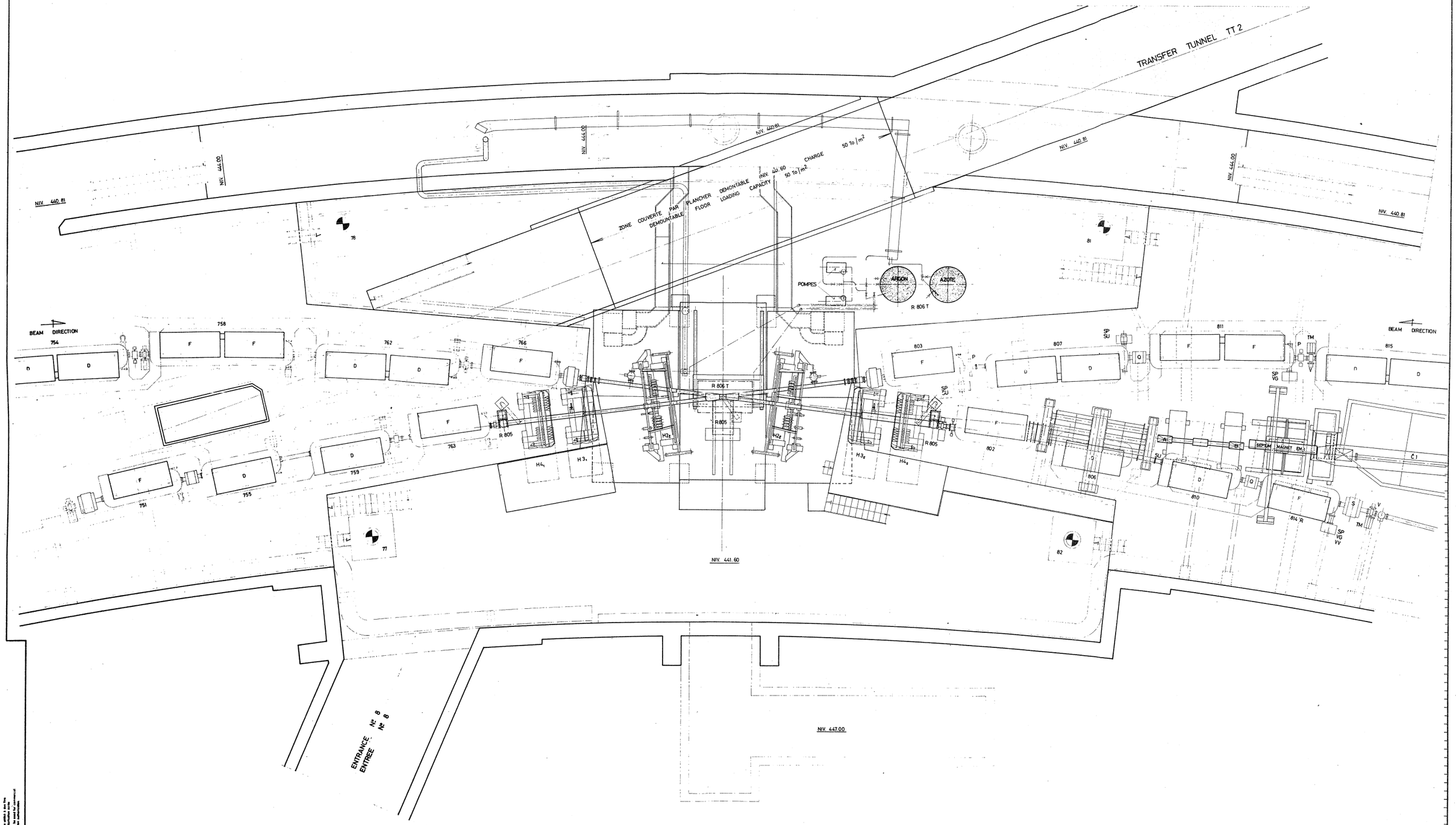
ISR EXPERIMENTS

INTERSECTION 6

1/50

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
CERN CH-1211 GENEVE 23 DIVISION ISR

ES. 600-001-Ø A



EDITION MARS 1975

Fig. 6

Ensemble / Assembly: ISR EXPERIMENTS	Sous-ensemble / Subassembly:	Nom-Name	Date / Issue
INTERSECTION 8	Echelle / Scale: 1 : 50	Dessiné / Cantrão:	
ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE / EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH — CERN · LAB. I. CH-1211 GENÈVE 23			ES. 800-001-0