

Table 4
ACCEPTED CERN ISR EXPERIMENTS

| Area | Expt. Code | Reference Number | Description of Experiment | Present composition of group | Date of NPRC Acceptance | Status at 1.9.1971 |
|------|------------|---|--|---|-------------------------|-------------------------|
| 1-1 | R-101 | CERN/ISR/69-6, and Add. 1, 2, 3 CERN/ISR/69-37, and Add. 1 CERN/ISR/69-41 CERN/ISR/69-50, and Add. 1 | Angular and momentum distribution of secondaries with nuclear emulsions | CERN-Cracow-Bucharest-Tata emulsion collaboration: Annoni, Cordailat, Czyzawski, Friedländer, Gierula, Gurtu, Haiduc, Herz, Marin, Vicky, Wolter | NPRC 85, 5.11.1969 | In Production. |
| 1-1 | R-102 | CERN/ISR/69-11/Rev. and Add. 1, 2, 3 | Study of interactions in which gamma rays and electrons with large transverse momentum are emitted | Saclay-Strasbourg collaboration: Banner, Bassompierre, Cheze, Croissaud, Hamel, Morand, Riedinger, Stirling, Schneegans, Teiger, Zacccone, Zsembery | NPRC 85 5.11.1969 | Testing |
| 1-1 | R-103 | CERN/ISR/69-43, and Add. 1 | Search for Massive Dileptons | CERN-Columbia-Rockefeller collaboration: Blumenfeld, Cool, Di Lella, Khachaturian, Lederman, Litt, Placci, Pope, Segler, Smith, Zavattini, Yoh | NPRC 85 5.11.1969 | Installation Sept. 1971 |

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| 1-2 | R-201 | CERN/ISR/69-5, and Add.1,2 CERN/ISR/69-9 | Production of stable particles at small angles | CERN-Holland-Lancaster-Manchester collaboration: Albrow, Barber, Bosnjaković, Clegg, Erné, Kanaris, Locke, Murphy, <u>Sens</u> | NPRC 83 4.7.1969 | Instal- ling |
| 1-2 | R-202 | CERN/ISR/69-7, and Add.1 | Study of particle production in high energy proton-proton collisions at medium angles | Argonne-Bologna-Michigan collabora- tion: Babcock, <u>Ellis</u> , <u>Giacomelli</u> , Krisch, Maroni, Mercatali, Vannini <u>Ratner</u> , Roberts | NPRC 83 4.7.1969 | In Prod- uction |
| 1-2 | R-203 | CERN/ISR/69-48 | Experiment to determine production spectra of π^{\pm} , K^{\pm} , p, d... etc. at large angles | The collaboration mentioned below and the Scandinavian collaboration: Almehed, <u>Bøggild</u> , Carlson, Damgaard, Gjesdal, Hansen, <u>Jarlskog</u> , Jönsson, Kløvning, Leistam, Lillethun, Lohse, <u>Von Dardel</u> | NPRC 83 4.7.1969 | Instal- ling |
| 1-2 | R-204 | CERN/ISR/69-3 | Measurement of particles with large transverse momentum as a search for the intermediate boson | British Universities collaboration: Alper, Booth, Bulos, Carrol, Cence, Duff, Gibson, Hanna, Heyman, Jackson, Malos, Manning, <u>Potter</u> , Sharp, Sharrock | NPRC 83 4.7.1969 | Instal- ling |

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| I-4 | R-401 | CERN/ISRC/69-14 | Measurement of energy dependence of isobar excitation in proton-proton collisions | CERN-Hamburg-Orsay-Vienna collaboration: Aubert, Bartl, Broll, Coignet, Dibon, Favier, Flügge, Gottfried, Massonet, Neuhofer, Niebergall, Penzias, Regler, Schmidt-Parzefall, Schubert, Schumacher, Smith, Steuer, Vivargent, Winter | NPRC 83 4.7.1969 | Installation in SFM end 1972 |
| I-4 | R-402 | CERN/ISRC/71-8 and Add. 1 | Search for fractionally charged particles | CERN-Munich collaboration: Bott-Bodenhausen, Fabjan, Gruhn, Hyams, Peak, Stierlin, Tirlor, Winstein | NPRC 97 5.5.1971 | Testing |

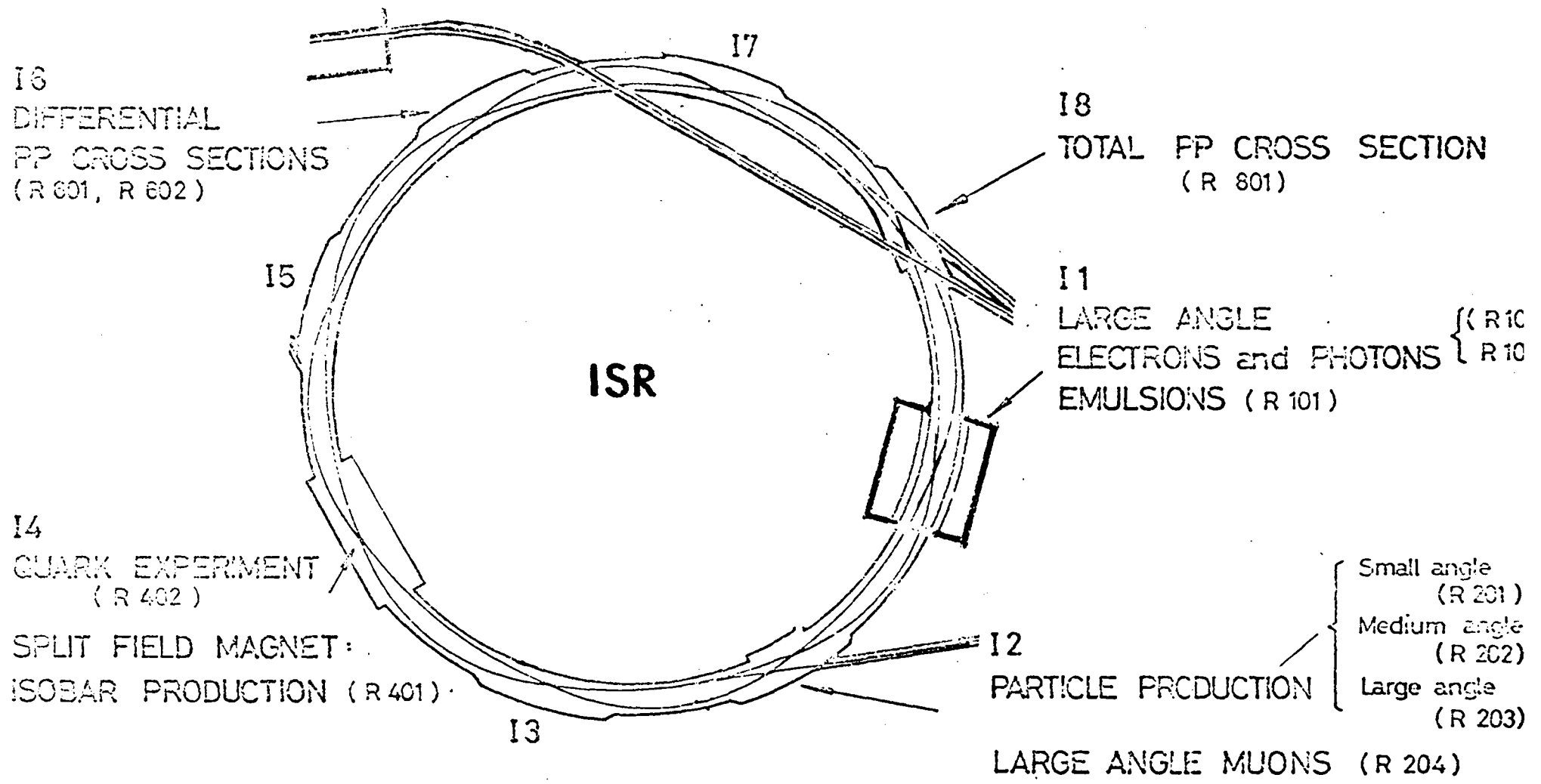
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| 1-6 | R-601 | CERN/ISR/69-20, and Add.1,2 CERN/ISR/70-7, and Add.2,2 | The measurement of proton-proton differential cross section in the Coulomb interference region | CERN-Rome collaboration: Allaby, Amaldi, Bartel, Biancastelli, Bosio, Cocconi, Diddens, Dobinson, Elings, Litt, <u>Matthiae</u> , Rochester, Stahlbrandt, <u>Wetherell</u> | NPRC 83 4.7.1969 | Installation in Sept.'71 |
| 1-6 | R-602 | CERN/ISR/69-19, and Add.1 | Measurement of the elastic scattering cross section beyond the Coulomb interference region | CERN-Aachen-Genova-Harvard-Torino collaboration: Barbiellini, Bisi, Darriulat, De Zorzi, Diambri, Fainberg, Ferrero, Giannini, Holder, Macri, Maderni, Orito, Ottonello, Pilcher, Rademacher, Rubbia, Santroni, Sette, Staude, <u>Strolin</u> , Tittel | NPRC 83 4.7.1969 | In Production |

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| I-8 | R-801 | CERN/ISR/69-12 | Measurement of the p-p total cross section | Pisa-Stony Brook collaboration: Amendolia, Bellettini, Blieden, Braccini, Bradaschia, Castaldi, Cerri, Ciancaglini, Del Prete, Finocchiaro, Foà, Giromini, Good, Grannis, Kirz, Laurelli, Menzione, Mustard, Ristori, Sanguinetti, Valdata | NPRC 83 4.7.1969 | Instal- ling |



ISR EXPERIMENTS

Figure 5

July 1971