arXiv:1206.4876v1 [physics.acc-ph] 21 Jun 2012

40th Anniversary of the First Proton-Proton Collisions in the CERN Intersecting Storage Rings (ISR)

CERN, Geneva, Switzerland, 18 Jan 2011

CERN Yellow Report CERN-2012-004

authors: U. Amaldi, P. J. Bryant, P. Darriulat and K. Hubner

Lectures

arXiv:1206.3948 [pdf]
Title: Design and construction of the ISR
Authors: Kurt Hubner (CERN)
Comments: 13 pages, contribution to the CERN Yellow report: 40th Anniversary of the First Proton-Proton Collisions in the CERN Intersecting Storage Rings (ISR)
Journal-ref: CERN Yellow Report CERN-2012-004, pp.1
Subjects: Accelerator Physics (physics.acc-ph)

arXiv:1206.3950 [pdf]
Title: The impact of the ISR on accelerator physics and technology
Authors: P. J. Bryant
Comments: 17 pages, contribution to the CERN Yellow report: 40th Anniversary of the First Proton-Proton Collisions in the CERN Intersecting Storage Rings (ISR)
Journal-ref: CERN Yellow Report CERN-2012-004, pp.15
Subjects: Accelerator Physics (physics.acc-ph)

arXiv:1206.3954 [pdf]
Title: Small-angle physics at the intersecting storage rings forty years later
Authors: Ugo Amaldi (Milan Bicocca U. and TERA Foundation)
Comments: 30 pages, contribution to the CERN Yellow report: 40th Anniversary of the First Proton-Proton Collisions in the CERN Intersecting Storage Rings (ISR)
Journal-ref: CERN Yellow Report CERN-2012-004, pp.33
Subjects: Accelerator Physics (physics.acc-ph); High Energy Physics - Experiment (hep-ex); Nuclear Experiment (nucl-ex)

arXiv:1206.4131 [pdf]
Title: Large-transverse-momentum processes: the ISR as a gluon collider
Authors: Pierre Darriulat
Comments: 12 pages, contribution to the CERN Yellow report: 40th Anniversary of the First Proton-Proton Collisions in the CERN Intersecting Storage Rings (ISR)
Journal-ref: CERN Yellow Report CERN-2012-004, pp.63 (2012)
Subjects: Accelerator Physics (physics.acc-ph); High Energy Physics - Experiment (hep-ex); Nuclear Experiment (nucl-ex)