

Mechanical Design Development Of A 476 MHz RF Cavity For The PEP-II Asymmetric B-factory

by M. S De Jong

Heavy Flavor Physics - Google Books Result Mechanical design development of a 476 MHz rf cavity for the PEP-II asymmetric B-factory. Tran-Ngoc T.Adams F.P.. - Chalk River: Chalk River lab.. - 1993. Design of a High-Power Test Model of the PEP-II RF Cavity * * - SLAC ?MODELING ACCELERATOR STRUCTURES AND RF COMPONENTS* . future accelerators: the Next Linear Collider (NLC) (11 and the Asymmetric B For PEP-II, a high power test cavity with a novel higher-order mode (HOM) damping scheme [4] is to be constructed to study its electrical and mechanical performance. Untitled Book Catalog: mec - vol. 3 Title, Mechanical Design Development of a 476 MHz RF Cavity for the PEP-II Asymmetric B-factory. Volume 10782 of AECL research. Authors, De Jong, Mark asymm [1 record] - TERMIUM Plus® — Search - TERMIUM Plus® the KEKB RF system, including crab cavities used for colliding head-on even in presence . changes in the mechanical and magnetic layout of the IR1 [13] are presented in Fig. 2. klystrons at 476 MHz and high power cavities with HOM absorbing loads. . “PEP-II an Asymmetric B Factory”, Conceptual Design Report, 2. ELECTRON BEAM 2.1 Design Concepts - Brookhaven National Jan 12, 2011 . The conceptual design for the PEP-II asymmetric B pulse). factory, carried out as a collaboration of SLAC, LBL, . damping and thermal loading of the RF cavities [7], and The optical and mechanical aspects of the e. klystron retuned to 476 MHz. [8] C. Perkins, Research and Development for the. [5] M.S. de Jong, et al, Mechanical Design Development of a 476 MHz RF Cavity for the PEP-II Asymmetric B-Factory, AECL-107 82, February, 1993.

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Mechanical design development of a 476 MHz RF cavity for the PEP . Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory . d une cavité à champ de R-F de 476 MHz de L accélérateur du projet PEP-II B factory DESIGN OF AN ASYMMETRIC SUPER-B FACTORY*. accelerator center pep-ii: Topics by WorldWideScience.org Hydraulic machinery book series - IECBSHM. ISBN 1-85628-820-X. Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory 3. CENTER FOR B EAM P HYSICS - CiteSeer Formats and Editions of Mechanical design development of a 476 . Mar 7, 2007 . RF Cavities . . The two asymmetric B Factories, PEP-II [1] and KEKB [2], and their A Super Flavour Factory such as SuperB will, perforce, be a partner, . the substantial wallplug power, the SuperPEP-II design doubled the current RF PEP-II RF frequency of 476 MHz, although the circumference can ?Newsletter #48 - Accelerator Division - Fermilab Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory / : CC2-10782E. Permanent link to this Catalogue Record: What is a Mechanical design development of a 476 MHz RF cavity for the PEP . A Super B-Factory, an asymmetric energy e+e- collider . when all the available PEP-II RF units are installed. Figure 5.6: Nested quadrupoles mechanical design for .. cm using the presently under development thin pixel of the rings relative to the FF contains the RF cavities Bunches will collide at 476 MHz. (CAP 93) Pleasanton, CA February 22-26, 2993 - inSPIRE Results 701 - 800 of 1298 . At its design level, PEP-II will circulate asymmetric beams at 9 GeV . for an RF cavity for the LNLS storage ring is under development. The cavity main frequency is 476 MHz, and should operate with 60 kW CW. The cavity design is based on the development made for the proposed PEP II B factory. Mechanical Design Download - Rapidog Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory Source 1, record 1, English, Mechanical%20design% . pep-ii rf cavity: Topics by Science.gov Work supported in part by US Department of Energy contract DE . Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory = [Mise au point de la conception mécanique d une cavité à champ . IEEE Xplore - Conference Table of Contents May 17, 1993 . stress analyses of the cavity to arrive at a suitable mechanical design The PEP-II B-factory design at SLAC will use normal- conducting copper cavities at 476 MHz for acceleration of the beam. . M. S. de Jong et al, “Mechanical Design Development of a 476 MHz RF Cavity for the PEP-II Asymmetric B-. Mechanical Design Development of a 476 MHz RF Cavity for the . This report describes the development of a mechanical design for a single-cell 476 MHz room-temperature rf cavity suitable for the PEP-II Asymmetric B-Factory . PEP-II Design Update and R and D Results - eScholarship 129 results . Mechanical Design Development Of A 476 MHz RF Cavity For The PEP-II Asymmetric B-factory. ISBN: 0660149850, 9780660149851 SuperB A High-Luminosity Heavy Flavour Factory Conceptual . HomePublished PlacesChalk River Ont - ISBNPlus Development of a Movable Plunger Tuner for the High Power RF Cavity for . High-power RF window design for the PEP-II B Factory We describe the design of RF windows to transmit up to 500 kW CW to the PEP-II 476 MHz Alumina-dispersed, copper alloy fingers are used to maintain desired mechanical properties at Design of Traveling Wave Windows for the PEP-II RF Coupling . Catia V5R12 Part design Mechanical Design Solutions 1 rar . Mechanical design development of a 476 MHz RF cavity for the PEP II

asymmetric B factory pdf The first year of the BABAR experiment at PEP-II This report describes the development of a mechanical design for a single-cell 476 MHz room-temperature rf cavity suitable for the PEP-II Asymmetric B-Factory . Mechanical design development of a 476 MHz RF cavity for the PEP . Mar 16, 2015 . 5.1.2 RF Cavity Design Parameters . . . 5.7.2.1 Mechanical Construction . . 5.8.10 Software Development Environment and Application . MHz SRF system, which is used in the IHEP ADS project and PIP-II at Fermilab. "An Asymmetric B Factory (based on PEP) Conceptual Design Report," SLAC, PEP storage ring at SLAC to serve as an asymmetric B factory. . . M. S. de Jong, et al., Mechanical Design Development of a 476 MHz RF Cavity for. PEP-H, in adjustment. The cost of the mechanical engineering for such a moveable arc is still being evaluated .. The 28 and 2856 MHz RF structures are introduced into the electron beam by a The cavities in use at SLAC at 476 MHz or the PEP-II, an Asymmetric B Factory: A Conceptual Design Report, SLAC-R-418(1993). 4. IHEP-AC-2015-001 - CEPC mechanical design. The window in the coupling network of the PEP-II RF cavity must transmit up to 500 kW of CW RF power at 476 MHz RF cavity as an alternative to the self-matched window. II. . [1] An Asymmetric B Factory, Conceptual Design Report, Development for the PEP-II B Factory, these proceedings. The PEP-II Project: Design Status and R&D Results Michael . - OSTI Jan 29, 1998 . preliminary design of the next international linear collider (referred to here as. "nLC"), a focused on the PEP-II Asymmetric B Factory, being constructed by a collaboration of frf [MHz]. 476. 476. Vrf [MV]. 3.2. 14.0. Bunch length, l ? [cm]. 1.1 This success relied crucially on the highly damped rf cavities. Mechanical design development of a 476 MHz RF cavity for the PEP . Sep 28, 2008 . Mechanical design development of a 476 MHz RF cavity for the PEP-II asymmetric B-factory by , 1993, Accelerator Physics Branch, Chalk River The PEP-II project Mar 7, 2007 . RF Cavities . . . The two asymmetric B Factories, PEP-II [1] and KEKB [2], and their . asymmetric B Factory, which is also, of course, a Super Flavour wallplug power, the SuperPEP-II design doubled the current RF frequency, to 958 MHz. . of this effort was an attempt to leverage the active development. Show paper Dec 18, 2000 . describe the PEP-II B Factory and the BABAR detector. The performance .. driving 24 conventional copper 476 MHz RF cavities. Bunches are ?????????? - ?????????????????? ?????????? ?????????-????????????????? . for the first time, PEP-II/BABAR and KEK-B/Belle have shown that the CKM . to this physics is SuperB, a very high luminosity asymmetric B Factory, which is the substantial wallplug power, the SuperPEP-II design doubled the current RF . development effort in support of a high energy linear collider that has been.