

Liste de Publications

- [1] M. Della Negra *et al.* [CMS Collaboration], “CMS physics : Technical Design Report v.2 : Physics performance,” CERN-LHCC-2006-021
- [2] S. Baffioni *et al.*, “Discovery potential for the SM Higgs boson in the $H \rightarrow ZZ^{(*)} \rightarrow e^+e^-e^+e^-$ decay channel,” CERN-CMS-NOTE-2006-115
- [3] F. Beaudette *et al.*, “Search for a Light Standard Model Higgs Model in the $H \rightarrow WW^* \rightarrow e\nu e\nu$ Channel,” CMS-NOTE-2006-114
- [4] F. Beaudette *et al.*, “Seach for a Light Standard Model Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow e^+\nu e^-\bar{\nu}$ Channel,” CMS-CR-2006-043
- [5] C. Charlot, R. Salerno and Y. Sirois, “Observability of the heavy neutral SUSY Higgs bosons decaying into neutralinos,” CERN-CMS-NOTE-2006-125
- [6] P. Adzic *et al.* [CMS Collaboration], “Results of the first performance tests of the CMS electromagnetic calorimeter,” Eur. Phys. J. C **44S2**, 1 (2006).
- [7] C. Charlot, “Electron/Photon identification in ATLAS and CMS,” CERN-CMS-CR-2006-053
- [8] S. Baffioni *et al.*, “Electron reconstruction in CMS,” CERN-CMS-NOTE-2006-040
- [9] M. Della Negra *et al.* [CMS Collaboration], “CMS physics : Technical Design Report v.1 : Detector performance and software,” CERN-LHCC-2006-001
- [10] M. Della Negra *et al.* [CMS Collaboration], “CMS computing : Technical Design Report,” CERN-LHCC-2005-023
- [11] S. Abdullin *et al.*, “Summary of the CMS potential for the Higgs boson discovery,” Eur. Phys. J. C **39S2** (2005) 41
- [12] I. Puljak, C. Charlot and L. Dobrzynski, “Higgs boson to four electrons in CMS : Full simulation,” Czech. J. Phys. **54** (2004) A51
- [13] T. Coviello *et al.*, “CMS Results of Grid-related activities using the early deployed LCG Implementations,” CMS-NOTE-2004-034
- [14] T. Barras *et al.*, “Software Agents in Data and Workflow Management,” CMS-CR-2004-053
- [15] T. Barras *et al.*, “Role of Tier-0, Tier-1 and Tier-2 Regional Centers in CMS DC04,” CMS-CR-2004-054

- [16] D. Bonacorsi *et al.*, “Running CMS software on Grid testbeds,” arXiv :physics/0306038
- [17] I. Augustin *et al.*, “HEP applications evaluation of the EDG testbed and middleware,” eConf **C0303241** (2003) THCT003 [arXiv :cs.dc/0306027]
- [18] M. Biasotto *et al.*, “CMS Test of the European DataGrid Testbed,” CMS-NOTE-2003-014
- [19] D. Chamont and C. Charlot, “Twelve ways to build CMS crossings from ROOT files,” eConf **C0303241** (2003) TUKT004 [arXiv :cs.db/0306056]
- [20] D. Chamont and C. Charlot, “OVAL : the CMS Testing Robot,” eConf **C0303241** (2003) MOJT005 [arXiv :cs.se/0306054]
- [21] C. Charlot [CMS Collaboration], “CMS software and computing,” Nucl. Instrum. Meth. A **502** (2003) 353
- [22] C. Grandi *et al.*, “CMS Grid Implementation Plan,” CMS-NOTE-2002-015
- [23] [CMS Collaboration], “Changes to CMS ECAL electronics : addendum to the Technical Design Report,” CERN-LHCC-2002-027
- [24] [CMS Collaboration], “CMS trigger and data-acquisition project : Technical Design Report 2 : Data-acquisition and high-level trigger,” CERN-LHCC-2002-026
- [25] I. Willers *et al.*, “CMS Interim Memorandum of Understanding The Costs and How They are Calculated,” CMS-NOTE-2001-035
- [26] Bayatyan, G Let al.- CMS CollaborationCMS / . G. Bayatyan *et al.* [CMS Collaboration], “TriDAS project : Technical Design Report; 1, the trigger systems,” CERN-LHCC-2000-038
- [27] [CMS Collaboration], “The CMS tracker : addendum to the Technical Design Report,” CERN-LHC-2000-016
- [28] M. C. Abreu *et al.*, “J/psi and psi’ production in p, O and S induced reactions at SPS energies,” Phys. Lett. B **466** (1999) 408.
- [29] C. Charlot, “On Demand Reconstruction within ORCA,” CMS-CR-1999-018
- [30] [CMS Collaboration], “The CMS tracker system project : Technical Design Report,” CERN-LHCC-98-006
- [31] M. C. Abreu *et al.* [NA38 Collaboration], “J/psi, psi’ and Drell-Yan production in S U interactions at 200-GeV per Phys. Lett. B **449** (1999) 128.
- [32] R. Barbier *et al.*, “Report of the group on the R-parity violation,” arXiv :hep-ph/9810232
- [33] M. C. Abreu *et al.* [NA38 Collaboration], “Charmonia production in 450-GeV/c proton induced reactions,” Phys. Lett. B **444** (1998) 516
- [34] D. Jouan *et al.* [NA38/NA50 Collaborations], “J/psi and low mass resonance production in hadron and heavy ion induced collisions around 200-GeV per nucleon,” *Prepared for UIC Summer Workshop on Particle Distributions in Hadronic and Nuclear Collisions, Chicago, Illinois, 11-13 Jun 1998*

- [35] M. C. Abreu *et al.* [NA38 Collaboration], “Transverse momentum of J/psi, psi’ and mass continuum muon pairs produced in S-32 U collisions at 200-GeV/c per nucleon,” Phys. Lett. B **423** (1998) 207
- [36] M. C. Abreu *et al.* [NA50 and NA38 Collaborations], “Phi, rho and omega production in collisions induced by deuteron and heavy ions around 200-GeV per nucleon,” Nucl. Phys. A **638** (1998) 483
- [37] [CMS Collaboration], “The CMS hadron calorimeter project : Technical Design Report,” CERN-LHCC-97-031
- [38] [CMS Collaboration], “The CMS electromagnetic calorimeter project : Technical Design Report,” CERN-LHCC-97-033
- [39] [CMS Collaboration], “The CMS muon project : Technical Design Report,” CERN-LHCC-97-032
- [40] [CMS Collaboration], “The CMS magnet project : Technical Design Report,” CERN-LHCC-97-010
- [41] C. Charlot *et al.*, “External and Final State Internal Bremsstrahlung Effects and Higgs Mass Reconstruction in Higgs to ZZ* to Four Electrons for 130 GeV Higgs Mass,” CMS-NOTE-1997-043
- [42] P. Aspell *et al.* [RD36 Collaboration], “Energy and spatial resolution of a Shashlik calorimeter and a silicon preshower detector,” Nucl. Instrum. Meth. A **376** (1996) 17
- [43] P. Aspell *et al.* [RD36 Collaboration], “Beam test results of a Shashlik calorimeter in high magnetic field,” Nucl. Instrum. Meth. A **376** (1996) 361
- [44] P. Aspell *et al.* [RD-36 Collaboration], “A Shashlik + Preshower detector as electromagnetic calorimeter for LHC,” CERN-DRDC-94-47
- [45] J. Badier *et al.* [RD36 Collaboration], “Multibundle shashlik calorimeter prototypes beam test results,” Nucl. Instrum. Meth. A **354** (1995) 328
- [46] [CMS Collaboration], “CMS : the Compact Muon Solenoid,” CERN-LHCC-94-20.
- [47] J. Badier *et al.*, “New test beam results of shashlik and preshower prototypes,” CMS-TN-94-152
- [48] J. Badier *et al.*, “Shashlik calorimetry a combined Shashlik + preshower detector for LHC : R & CERN-DRDC-93-28
- [49] J. Badier *et al.*, “Position and angular resolution with the shashlik calorimeter,” X-LPNHE-93-03
- [50] J. Badier *et al.*, “A Lead scintillator electromagnetic calorimeter for CMS,” X-LPNHE-93-2
- [51] J. Badier *et al.* [RD1 Collaboration], “Test Results of an electromagnetic calorimeter with 0.5-mm scintillating fibers readout,” Nucl. Instrum. Meth. A **337** (1993) 314
- [52] J. Badier *et al.* [RD1 Collaboration], “Test Results of a fully projective lead / scintillating fiber calorimeter,” Nucl. Instrum. Meth. A **337** (1993) 326

- [53] [CMS Collaboration], “Staging of the CMS detector,” CERN-LHCC-93-022
- [54] [CMS Collaboration], “CMS : the Compact Muon Solenoid,” CERN-LHCC-93-48
- [55] J. Badier *et al.* [RD1 Collaboration], “Radiation resistance of a scintillating fibre calorimeter,” *Prepared for Workshop on Scintillating Fiber Detectors (SCIFI 93), Notre Dame, IN, 24-28 Oct 1993*
- [56] M. Della Negra *et al.* [CMS Collaboration], “CMS : The Compact Muon Solenoid : Letter of intent for a general purpose detector at the LHC,” CERN-LHCC-92-3
- [57] R. K. Bock *et al.*, “Embedded architectures for second level triggering (EAST) : Status report,” CERN-DRDC-92-11
- [58] O. Drapier *et al.* [NA38 collaboration], “Muon pair production in heavy ion interactions at 200-GeV per nucleon,” Nucl. Phys. A **544** (1992) 209C
- [59] M. C. Abreu *et al.* [NA38 Collaboration], “Meson production in p + U, O + U and S + U interactions at 200-GeV/nucleon,” Z. Phys. C **55** (1992) 365
- [60] M. C. Abreu *et al.* [NA38 Collaboration], “Resonance and dimuon production in NA38 experiment,” *Given at 22nd International Symposium on Multiparticle Dynamics, Santiago de Compostela, Spain, 13-17 Jul 1992*
- [61] C. Baglin *et al.*, “ J/ψ and muon-pair cross-sections in proton-nucleus and nucleus-nucleus collisions at 200 GeV per nucleon,” Phys. Lett. B **270** (1991) 105
- [62] M. C. Abreu *et al.* [NA38 Collaboration], “Phi enhancement in S U collisions at 200-GeV/nucleon,” *Prepared for Joint International Lepton Photon Symposium at High Energies (15th) and European Physical Society Conference on High-energy Physics, Geneva, Switzerland, 25 Jul - 1 Aug 1991*
- [63] M. C. Abreu *et al.* [NA38 Collaboration], “J / psi, Phi and rho omega production in p + U, O + U and S + U collisions at 200-GeV per nucleon,” AIP Conf. Proc. **243** (1992) 885
- [64] C. Baglin *et al.* [NA38 Collaboration], “Study of J / psi production in p U, O U and S U interactions at 200-GeV per nucleon,” Phys. Lett. B **255** (1991) 459
- [65] C. Baglin *et al.* [NA38 Collaboration], “Transverse momentum of J / psi produced in p Cu, p U, O-16 Cu, O-16 U and S-32 U collisions at 200-GeV per nucleon,” Phys. Lett. B **262** (1991) 362
- [66] C. Baglin *et al.* [NA38 Collaboration], “Initial state interactions and J / psi production in nucleus nucleus collisions,” Phys. Lett. B **268** (1991) 453
- [67] C. Baglin *et al.* [NA38 Collaboration], “Phi, rho, and omega production in p U, O U and S U reactions at 200-GeV per nucleon,” Phys. Lett. B **272** (1991) 449
- [68] O. Drapier *et al.* [NA38 Collaboration], “Transverse momentum of dimuons produced in p Cu, p U, O-16 Co, O-16 U and S-32 U collisions at 200-GeV per nucleon,” *Prepared for 26th Rencontres de Moriond : High-energy Hadronic Interactions, Les Arcs, France, 17-23 Mar 1991*

- [69] L. Peralta *et al.* [NA38 Collaboration], "Meson production in p + U, O + U and S + U interactions at 200-GeV/nucleon," *Prepared for 26th Rencontres de Moriond : High-energy Hadronic Interactions, Les Arcs, France, 17-23 Mar 1991*
- [70] M. C. Abreu *et al.* [NA38 Collaboration], "Transverse momentum of dimuons production in p U, O U and S U collisions at 200-GeV/nucleon," *Nucl. Phys. A* **525** (1991) 469C
- [71] C. Charlot, "A fast calorimeter simulation using GEANT," *Prepared for 2nd International Conference on Calorimetry in High-energy Physics, Capri, Italy, 14-18 Oct 1991*
- [72] M. C. Abreu *et al.*, "Production Of Rho, Omega And Phi Resonances In Oxygen Uranium And Sulphur Uranium Collisions At 200-Gev/Nucleon," *Prepared for Workshop on Soft Lepton Pair and Photon Production, Pittsburgh, Pennsylvania, 6-8 Sep 1990*
- [73] C. Baglin *et al.* [NA38 Collaboration], "The Production Of J / Psi In 200-Gev/Nucleon Oxygen Uranium Interactions," *Phys. Lett. B* **220** (1989) 471
- [74] C. Baglin *et al.* [NA38 Collaboration], "Transverse Energy Distributions In Nucleus-Nucleus Collisions At 200-Gev/Nucleon," *Phys. Lett. B* **251** (1990) 472
- [75] C. Baglin *et al.* [NA38 Collaboration], "Transverse Momentum Of J / Psi Produced In Oxygen Uranium Collisions At 200-Gev Per Nucleon," *Phys. Lett. B* **251** (1990) 465
- [76] S. Papillon *et al.* [NA38 Collaboration], "J / Psi Production In Heavy Ions Reactions," *In *Dortmund 1990, Proceedings, Multiparticle dynamics* 612-616*
- [77] C. Charlot *et al.* [NA38 Collaboration], "Transverse Energy Production In O Cu, O U, And S U Interactions At 200-Gev Per Nucleon," *In *Les Arcs 1990, Proceedings, High energy hadron interactions* 485-491*
- [78] D. Jouan *et al.* [NA38 Collaboration], "Omega, Rho And Phi Production In P + U, O + U And S + U Collisions At 200-Gev/C," *In *Les Arcs 1990, Proceedings, High energy hadron interactions* 493-498*
- [79] M. C. Abreu *et al.* [NA38 Collaboration], "The Production Of Phi In 200-Gev/Nucleon S - U And O - U Interactions," LAPP-EXP-89-15 *Presented at Int. Europhysics Conf. on High Energy Physics, Madrid, Spain, Sep 6-13, 1989*
- [80] M. C. Abreu *et al.*, "Study Of Muon Pairs And Vector Mesons Produced In High-Energy Pb Pb Interactions," CERN-SPSC-89-41
- [81] C. Baglin *et al.* [NA38 Collaboration], "J / Psi Production In Collisions Of Proton, Oxygen And Sulfur With Heavy Targets At 200-Gev/N (In French)," *Can. J. Phys.* **67** (1989) 1222
- [82] C. Lourenco *et al.* [NA38 Collaboration], "J / Psi Measurement In Heavy Ion Collisions At Cern," *Prepared for 3rd Workshop on Experiments and*

Detectors for a Relativistic Heavy Ion Collider, Upton, New York, 18-22 July 1988

- [83] M. C. Abreu *et al.*, "A Study Of Pi And K Production In 200-Gev/A Proton - Uranium And Oxygen - Uranium Interactions Using Decay Muons," *Z. Phys. C* **38** (1988) 133
- [84] M. C. Abreu *et al.*, "The Production Of J / Psi In 200-Gev/A Oxygen - Uranium Interactions," *Z. Phys. C* **38** (1988) 117
- [85] P. Sonderegger *et al.* [NA38 COLLABORATION Collaboration], "A Study Of Pi And K Production In Proton Uranium And Oxygen Uranium Interactions At 22-Gev/A Using Decay Muons," *Z. Phys. C* **38** (1988) 129
- [86] P. Gorodetzky *et al.* [NA38 Collaboration], "Study Of Meson Production In 200-A/Gev Ion Collisions Using Decay Muons," *In *Bombay 1988, Proceedings, Physics and astrophysics of quark-gluon plasma* 83-93*
- [87] A. Romana *et al.* [NA38 Collaboration], "The Production Of J / Psi In 200-Gev/A Oxygen Uranium And Oxygen Copper Interactions," *In *Bombay 1988, Proceedings, Physics and astrophysics of quark-gluon plasma* 63-82*
- [88] C. Racca *et al.* [NA38 Collaboration], "The Production Of J / Psi In 200-Gev/A Oxygen Uranium And Sulphur Uranium Interactions," *In *Tucson 1988, Proceedings, Hadronic matter in collision 1988* 552-564*
- [89] S. Ramos *et al.* [NA38 Collaboration], "Pi And K Production In 200-Gev/Nucleon O U And S U Interactions," *In *Les Arcs 1988, Proceedings, Current issues in hadron physics* 75-78*
- [90] P. Bordalo *et al.* [NA38 Collaboration], "J / Psi Suppression In 200-Gev/Nucleon O U, O Cu And S U Interactions," *In *Les Arcs 1988, Proceedings, Current issues in hadron physics* 83-90*
- [91] J. Varela *et al.* [NA38 COLLABORATION Collaboration], "Study Of Pi And K Production In Ion Collisions," *IN *LISBON 1987, PROCEEDINGS, THE PHYSICS OF THE QUARK-GLUON PLASMA* 173-186*
- [92] C. Gerschel *et al.* [NA38 COLLABORATION Collaboration], "Production Of Muon Pairs In O-16 Uranium Collisions At 200-Gev/Nucleon," *In *Les Arcs 1987, Proceedings, Hadrons, quarks and gluons* 443-451*