

## ΠΑΡΑΡΤΗΜΑ Β

### Σύντομο Βιογραφικό Σημείωμα

### Πίνακας επιλεγμένων βιογραφικών στοιχείων

Όνομα	Ιωάννης Ευαγγέλου
Θέση στο Έργο	Υπεύθυνος Πακέτου Εργασίας Π.Ε.2.3: Διερεύνηση ύπαρξης υπογραφών νέων θεμελιωδών αλληλεπιδράσεων (Contact- Interactions) με το CMS στο LHC
Θέση στο Ίδρυμα	<b>Αναπληρωτής Καθηγητής</b>
Προπτυχιακοί τίτλοι σπουδών	Πτυχίο Φυσικής, Παν/μιο Ιωαννίνων (1979)
Μεταπτυχιακοί τίτλοι σπουδών	Διδακτορικό Δίπλωμα σε «Πειραματική Φυσική Υψηλών Ενεργειών», Παν/μιο Ιωαννίνων (1989)
Ειδικές γνώσεις στο γνωστικό αντικείμενο της ΠΧΕΟ <sup>1</sup>	<ul style="list-style-type: none"><li>❑ Πειραματική Φυσική Υψηλών Ενεργειών με δραστηριότητες που απορρέουν από την συμμετοχή σε μεγάλα πειράματα στο CERN, στην Γενεύη Ελβετίας</li><li>❑ Συμμετοχή στην ομάδα PreShower του πειράματος CMS στο CERN, με την ανάπτυξη ηλεκτρονικών μονάδων, συστημάτων λήψης και επεξεργασίας δεδομένων και συστημάτων ελέγχου της ποιότητας μικροραβδωτών ανιχνευτών πυριτίου και των αντίστοιχων ηλεκτρονικών οδήγησης, όπως επίσης και μεθόδων βαθμονόμησης των μικρομονάδων πυριτίου</li></ul>
Γνώσεις στη χρήση νέων τεχνολογιών	Ανάπτυξη ηλεκτρονικών μονάδων στα πλαίσια μεταπτυχιακών διπλωματικών εργασιών. Σχεδιασμός VLSI, Εφαρμογές CAD/CAE, OrCAD, LabView, κ.λ.π.
Εμπειρία από συμμετοχή σε ερευνητικά προγράμματα	Συμμετοχή σε προγράμματα της Ευρωπαϊκής Επιτροπής: TELEMAT II (CAD/CAE applications), BIOMED II (BRMS), FP6-NMP (I-ImaS) και της ΓΓΕΤ: ΕΠΕΤ-II, ΕΚΒΑΝ-Π (#Π-79, ΑΣΤΗΛΔΥΠ), ΕΠΕΤ-II (#476, ΒΜΠ), ΕΠΕΤ-II, 98ΜΙΚ-02, 98ΜΙΚ-10 και 98ΜΙΚ-25 για εφαρμογές στην Μικροηλεκτρονική.
Ερευνητική Ομάδα που τυχόν ανήκετε	Συμμετοχή από το 2008 στην ομάδα μελέτης QCD του CMS στο CERN
Σύνολο δημοσιεύσεων (αριθμός)	<b>47</b>
Σύνολο αναφορών (αριθμός)	<b>3681</b> (σύμφωνα με το QSPIRES)
Πέντε τίτλοι δημοσιεύσεων στο γνωστικό αντικείμενο της ερευνητικής πρότασης δύο εκ των οποίων έγιναν τη τελευταία 3-ετία, και αντίστοιχος αριθμός αναφορών	<ol style="list-style-type: none"><li>1. <b>CMS Preshower in situ absolute calibration with physics events.</b> Ioannis Evangelou. Published in <b>Nucl.Instr.&amp;Methods A572(624–632)2007.</b> Αναφορές: -</li><li>2. <b>CMS physics technical design report: Addendum on high density QCD with heavy ions.</b> By CMS Collaboration (<a href="#">David G. d'Enterria, (Ed.) et al.</a>).</li></ol>

<sup>1</sup> ΠΧΕΟ: Πρόταση Χρηματοδότησης Ερευνητικής Ομάδας

	<p>Published in <b>J.Phys.G34(2307-2455)2007</b>. Αναφορές: <b>112</b></p> <p>3. <b>CMS technical design report, volume II: Physics performance.</b> By CMS Collaboration (<a href="#">G.L. Bayatian et al.</a>). Published in <b>J.Phys.G34(995-1579)2007</b>. Αναφορές: <b>357</b></p> <p>4. <b>The CMS experiment at the CERN LHC.</b> By CMS Collaboration (<a href="#">R. Adolphi et al.</a>). Published in <b>JINST 0803(S08004)2008</b>. Αναφορές: <b>73</b></p> <p>5. <b>The CMS barrel calorimeter response to particle beams from 2-GeV/c to 350-GeV/c.</b> By USCMS Collaboration and ECAL/HCAL Collaboration (<a href="#">S. Abdullin et al.</a>). Published in <b>Eur.Phys.J.C60(359-373)2009</b>. Αναφορές: <b>1</b></p>
<i>Μονογραφίες</i>	<b>CMS Preshower in situ absolute calibration with physics events.</b> Ioannis Evangelou, Published in <b>Nucl.Instr.&amp;Methods A572(624–632)2007</b>
<i>Πέντε σημαντικότερες αναφορές</i>	<p>1. Measuring superparticle masses at hadron collider using the transverse mass kink, by Cho WS, Choi K, Kim YG, et al. <b>JOURNAL OF HIGH ENERGY PHYSICS</b> Issue: <b>2</b> Article Number: <b>035</b> Published: <b>FEB 2008</b> Αναφορές: <b>40</b></p> <p>2. Tests of quantum gravity from observations of gamma-ray bursts, by Amelino-Camelia G, Ellis J, Mavromatos NE, et al. <b>NATURE</b> Volume: <b>393</b> Issue: <b>6687</b> Pages: <b>763-765</b> Published: <b>JUN 25 1998</b> Αναφορές: <b>469</b></p> <p>3. Scaling laws for density correlations and fluctuations in multiparticle dynamics. deWolf EA, Dremin IM, Kittel W. <b>PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS</b> Volume: <b>270</b> Issue: <b>1-2</b> Pages: <b>1-141</b> Published: <b>MAY 1996</b> Αναφορές: <b>258</b></p> <p>4. HIJING - A MONTE-CARLO MODEL FOR MULTIPLE JET PRODUCTION IN PP, PA, AND AA COLLISIONS, by WANG XN, GYULASSY M. <b>PHYSICAL REVIEW D</b> Volume: <b>44</b> Issue: <b>11</b> Pages: <b>3501-3516</b> Published: <b>DEC 1 1991</b> Αναφορές: <b>674</b></p> <p>5. CHARGED MULTIPLICITY DISTRIBUTION IN PP INTERACTIONS AT CERN ISR ENERGIES, by BREAKSTONE A, CAMPANINI R, CRAWLEY HB, et al. <b>PHYSICAL REVIEW D</b> Volume: <b>30</b> Issue: <b>3</b> Pages: <b>528-535</b> Published: <b>1984</b> Αναφορές: <b>150</b></p>
<i>Εθνικές και Διεθνείς διακρίσεις (οργάνωση συνεδρίων, μέλος οργανισμών κλπ.)</i>	Συμμετοχή στην οργάνωση συνεδρίου της ΕΕΣΦΥΕ στα Ιωάννινα (Απρ.1996) με τίτλο "Workshop on recent developments in High Energy Physics"

ΠΙΝΑΚΑΣ ΔΗΜΟΣΙΕΥΣΕΩΝ

1. **Strange particle production at CERN SPS Collider**  
By UA5 Collaboration (K. Alpgard et al.)  
Published in **Phys.Lett. B115(65-)**1982
2. **Production of photons and search for Centauro events at the SPS Collider**  
By UA5 Collaboration (K. Alpgard et al.)  
Published in **Phys.Lett. B115(71-)**1982
3. **Particle multiplicities in  $\bar{p}p$  interactions at  $\sqrt{s} = 540\text{GeV}$**   
By UA5 Collaboration (K. Alpgard et al.)  
Published in **Phys.Lett. B121(209-)**1983
4. **Forward-backward multiplicity correlations in  $\bar{p}p$  collisions at 540GeV**  
By UA5 Collaboration (K. Alpgard et al.)  
Published in **Phys.Lett. B123(361-)**1983
5. **Scaling violation favoring high multiplicity events at 540GeV cms energy**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B138(304-)**1984
6. **Observation of  $X$  production in  $\bar{p}p$  interactions at 540GeV cms energy**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B151(309-)**1985
7. **A new empirical regularity for multiplicity distributions in place of KNO scaling**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B160(199-)**1985
8. **An investigation of multiplicity distributions in different pseudorapidity intervals in  $\bar{p}p$  reactions at a cms energy of 540GeV**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B160(193-)**1985
9. **Kaon production in  $\bar{p}p$  reactions at a center-of-mass energy of 540GeV**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Nucl.Phys. B258(505-)**1985
10. **Scaling violations in multiplicity distributions at 200GeV AND 900GeV**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B167(476-)**1986
11.  **$\bar{p}p$  cross sections at 200GeV and 900GeV cm energy**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Zeit.Phys. C32(153-)**1986
12. **Diffraction dissociation at the CERN pulsed Collider at cm energies of 900GeV and 200GeV**  
By UA5 Collaboration (R.E. Ansorge et al.)  
Published in **Zeit.Phys. C33(175-)**1986
13. **An acceleration search at 900GeV cm energy for the Centauro phenomenon**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Lett. B180(415-)**1986
14. **Scaling of pseudorapidity distributions at c.m. energies up to 0.9TeV**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Zeit.Phys. C33(1-)**1986

15. **The UA5 high energy  $\bar{p}p$  simulation program**  
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Nucl.Phys. B291(445-1987)**
16. **UA5: A general study of proton-antiproton physics at  $\sqrt{s} = 546\text{GeV}$**   
By UA5 Collaboration (G.J. Alner et al.)  
Published in **Phys.Reports 154(247-383)1987**
17. **Charged particle multiplicity distributions at 200GeV and 900GeV cm energy**  
By UA5 Collaboration (R.E. Ansorge et al.)  
Published in **Zeit.Phys. C43(357-)1989**
18. **Bose-Einstein correlations in  $\bar{p}p$  annihilations at rest**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Zeit.Phys. C63(541-548)1994**
19. **Inclusive measurement of  $\bar{p}p$  annihilation at rest in gaseous hydrogen to final states containing  $p$  and  $f_2$**   
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Zeit.Phys. C65(199-206)1995**
20. **Measurement of  $K_L - K_S$  mass difference using semileptonic decays of tagged neutral kaons**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B363(237-242)1995**
21. **Measurement of the CP violation parameter  $\eta_{+-}$  using tagged  $K^0$  and  $\bar{K}^0$**   
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B363(243-248)1995**
22. **Tests of CPT symmetry and quantum mechanics with experimental data from CPLEAR**  
By CPLEAR collaboration (R. Adler et al.)  
Published in **Phys.Lett. B364(239-245)1995**
23. **First observation of a particle - antiparticle asymmetry in the decay of neutral kaons into  $\pi^0\pi^0$**   
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Zeit.Phys. C70(211-218)996**
24. **Evaluation of the phase of the CP violation parameter  $\eta_{+-}$  and the  $K_L - K_S$  mass difference from a correlation analysis of different experiments**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B369(367-371)1996**
25. **Search for CP violation in the decay of neutral kaons to  $\pi^+\pi^-\pi^0$**   
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B370(167-173)1996**
26. **Observation of the CP conserving  $K_S \rightarrow \pi^+\pi^-\pi^0$  decay amplitude**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B374(313-318)1996**
27. **The CPLEAR detector at CERN**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Nucl.Instrum.Meth. A379(76-100)1996**
28. **Experimental measurement of the  $K_S K_S / K_S K_L$  ratio in antiproton annihilations at rest in gaseous hydrogen at 15 and 27 bar**  
By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B403(383-389)1997**
29. **CPLEAR results on the CP parameters of neutral kaons decaying to  $\pi^+\pi^-\pi^0$**

- By CPLEAR Collaboration (R. Adler et al.)  
Published in **Phys.Lett. B407(193-200)1997**
30. **An upper limit for the branching ratio of  $K_S \rightarrow e^+e^-$  decay**  
By CPLEAR Collaboration (A. Angelopoulos et al.)  
Published in **Phys.Lett. B413(232-)1997**
31. **Measurement of the neutral kaon regeneration amplitude in carbon at momenta below 1GeV/c**  
By CPLEAR Collaboration (A. Angelopoulos et al.)  
Published in **Phys.Lett. B413(422-430)1997**
32. **Direct determination of two pion correlations for  $\bar{\rho}\rho \rightarrow 2\pi^+2\pi^-$  annihilation at rest**  
By CPLEAR Collaboration (A. Angelopoulos et al.)  
Published in **Eur.Phys.J. C1(139-148)1998**
33. **Measurement of the CP violation parameter  $\eta_{00}$  using tagged  $K^0$  and  $\bar{K}^0$**   
By CPLEAR Collaboration (A. Angelopoulos et al.)  
Published in **Phys.Lett. B420(191-195)1998**
34. **Low noise high-speed X-ray readout IC for imaging applications**  
By E. F. Tsakas, A. N. Birbas, N. Manthos, K. Kloukinas, I. Evangelou, F. A. Triantis, P. F. Van der Stelt and R. D. Speller  
Published in **Nucl.Instr.&Methods A469(106-115)2001**
35. **Noise Measurements on Si Sensors**  
By I. Evangelou, P. Kokkas, N. Manthos, C. Prouskas, F. Triantis, N. Tzoulis, P. Aspell, D. Barney, P. Bloch, K. Kloukinas, A. Peisert, S. Reynaud, A. Go, V. Elsha, E. Zubarev, A. Cheremukhin, N. Zamyatin  
Published in **Nucl.Instr.&Methods A493(25-29)2002**
36. **DIRAC: A high resolution spectrometer for ponium detection**  
By DIRAC Collaboration (B.Adeva et al)  
Published in **Nucl.Instr.&Methods A515(467-496)2003**
37. **Performance of Si sensors irradiated  $5 \times 10^{14}$  n/cm<sup>2</sup>**  
By Ph.Bloch, A.Peisert, A.Cheremukhin, A.Dmitriev, N.Zamiatin, A.Go, I.Evangelou, P.Kokkas, N.Manthos  
Published in **Nucl.Instr.&Methods A517(121-127)2004**
38. **Detection of  $\pi^+\pi^-$  atoms with the DIRAC spectrometer at CERN**  
By DIRAC collaboration (B. Adeva et al)  
Published in **J. Phys. G: Nucl. Part. Phys. 30(1929-1946)2004**
39. **First measurement of the  $\pi^+\pi^-$  atom lifetime**  
By DIRAC Collaboration (B. Adeva et al)  
Published in **Phys.Lett. B619(50-60)2005**
40. **Results of the first performance tests of the CMS electromagnetic calorimeter**  
The CMS Electromagnetic Calorimeter Group  
Published in **Eur.Phys.J. C44, s1(1-10)2006**
41. **CMS Preshower in situ absolute calibration with physics events**  
Ioannis Evangelou, Published in **Nucl.Instr.&Methods A572(624-632)2007**
42. **Energy resolution of the barrel of the CMS electromagnetic calorimeter.**  
P. Adzic *et al.* Published in **JINST 2(P04004)2007**
43. **CMS physics technical design report: Addendum on high density QCD with heavy ions.**  
By CMS Collaboration (David G. d'Enterria, (Ed.) *et al.*). Published in **J.Phys.G34(2307-2455)2007**

44. **CMS technical design report, volume II: Physics performance.**  
By CMS Collaboration (G.L. Bayatian *et al.*). Published in **J.Phys.G34(995-1579)2007**
45. **The CMS experiment at the CERN LHC.**  
By CMS Collaboration (R. Adolphi *et al.*). Published in **JINST 0803(S08004)2008**
46. **Intercalibration of the barrel electromagnetic calorimeter of the CMS experiment at start-up.** By CMS Electromagnetic Calorimeter Group (P. Adzic *et al.*). Published in **JINST 3(P10007)2008**
47. **The CMS barrel calorimeter response to particle beams from 2-GeV/c to 350-GeV/c.**  
By USCMS Collaboration and ECAL/HCAL Collaboration (S. Abdullin *et al.*). Published in **Eur.Phys.J.C60(359-373)2009**