

PUBBLICAZIONI DEL PROF. MATTEO MARTINI

1. Data Handling, reconstruction, and simulation for KLOE experiment, **Nuclear Instrument and Method A534, 2004.**
2. Measurement of the BR for the decay $K_{\pm} \rightarrow \pi^+ \pi^- \pi^0 \pi^0$ with the KLOE detector, **Physics Letter B597, 2004.**
3. Measurement of sigma $e^+e^- \rightarrow \pi^+ \pi^- \gamma$ and extraction of sigma $e^+e^- \rightarrow \pi^+ \pi^-$ below 1 GeV with the KLOE detector, **Physics Letter B606, 2005.**
4. Upper limit on the $\eta \rightarrow \pi^+ \pi^-$ BR with the KLOE detector, **Physics Letter B606, 2005.**
5. A direct search for the CP violating decay $K_S \rightarrow 3\pi^0$ with the KLOE detector at DAΦNE, **Physics Letter B619, 2005.**
6. Measurement of the K_L meson lifetime with the KLOE detector, **Physics Letter B626, 2005.**
7. Determination of CP and CPT violation parameters in the neutral kaon system using the Bell-Steinberger relation and data from the KLOE experiment, **JHEP 0612:011, 2006.**
8. Measurement of the absolute branching ratios for the dominant K_L decays, the K_L lifetime, and VUS with the KLOE detector, **Physics Letter B632, 2006.**
9. Measurement of the absolute BR for the $K_+ \rightarrow \mu^+ \nu \gamma$ decay with the KLOE detector, **Physics Letter B632, 2006.**
10. Study of the decay $\Phi \rightarrow f(0)(980) \gamma \rightarrow \pi^+ \pi^- \gamma$ with the KLOE detector, **Physics Letter B634, 2006.**
11. Study of the BR and charge asymmetry for the $K_S \rightarrow \pi e \gamma$ with the KLOE detector, **Physics Letter B636, 2006.**

12. Measurement of the form-factor slopes for the decay $K_L \rightarrow \pi^+ e^- \nu$ with the KLOE detector, **Physics Letter B636, 2006.**
13. Measurement of the BR of the $K_L \rightarrow \pi^+ \pi^-$ decay with the KLOE detector, **Physics Letter B638, 2006.**
14. Measurement of the DAFNE luminosity with the KLOE detector using large angle Bhabha scattering, **Eur. Phys. J. C47, 2006.**
15. First observation of quantum interference in the process $\phi \rightarrow K_S K_L \rightarrow \pi^+ \pi^- \pi^+ \pi^-$: A test of quantum mechanics and CPT symmetry, **Physics Letter B642, 2006.**
16. Measurement and simulation of the neutron response and detection efficiency of a Pb-scintillating fiber calorimeter, **Nucl. Inst. Meth. A581, 2007.**
17. Precise measurement of $\Gamma(K_S \rightarrow \pi^+ \pi^- 9\gamma)/\Gamma(K_S \rightarrow \pi^0 \pi^0)$ with the KLOE detector, **Eur. Phys. J. C48, 2007.**
18. Dalitz plot analysis of $e^+ e^- \rightarrow \pi^0 \pi^0 \gamma$ events at $\sqrt{s}$ approximately $M(\phi)$ with the KLOE detector, **Eur. Phys. J. C49, 2007.**
19. Measurement of the pseudoscalar mixing angle and η' gluonium content with KLOE detector, **Physics Letter B648, 2007.**
20. Measurement of the $K_L \rightarrow \pi \mu \nu$ form factor parameters with the KLOE detector, **JHEP 0712:105, 2007.**
21. Precise measurements of the eta and neutral kaon meson masses with the KLOE detector, **JHEP 0712:073, 2007.**
22. A study of radiative $K_L \rightarrow \pi^\pm e^\mp \nu \gamma$ decays and search for direct photon emission with the KLOE detector, **Eur. Phys. J. C55, 2008.**
23. Measurement of the charged kaon lifetime with the KLOE detector, **JHEP 0801:073, 2008.**

24. Measurement of the $K_S \rightarrow \gamma\gamma$ branching ratio using a pure K_S beam with the KLOE detector, **JHEP 0805:051, 2008.**
25. Measurement of the absolute BR for semileptonic $K^\pm$ decays with the KLOE detector, **JHEP 0802:098, 2008.**
26. Determination of $\eta\pi^+\pi^-\pi^0$ Dalitz plot shapes and asymmetries with the KLOE detector, **JHEP 0805:006, 2008.**
27. V_{us} and lepton universality from kaon decays with the KLOE detector, **JHEP 0804:059, 2008.**
28. η, η' -primemixingangleandeta-primegluoniumcontentextractionfrom the KLOE $R(\phi)$ measurement, **Eur.Phys.J.A38, 2008.**
29. Measurement of the eta mass at KLOE, **Eur.Phys.J.A38, 2008.**
30. Study of the process $e^+e^- \rightarrow \omega\pi^0$ in the phi-meson region with the KLOE detector, **Phys. Lett. B669, 2008.**
31. Measurement of the absolute BR of the $K_+ \rightarrow \pi^+\pi^0(\gamma)$ decay with the KLOE detector, **Phys.Lett. B666, 2008.**
32. Measurement of the detection efficiency of the KLOE calorimeter for neutrons between 22 MeV and 174 MeV, **Nucl. Inst. Meth. A598, 2009.**
33. Calibration and performances of the KLOE calorimeter, **Nucl. Inst. Meth. A598, 2009.**
34. Measurement of $\sigma(e^+e^- \rightarrow \pi^+\pi^-\gamma(\gamma))$ and dipion contribution to the muon anomaly with the KLOE detector, **Phys. Lett. B670, 2009.**
35. Search for the $K_S \rightarrow e^+e^-$ decay with the KLOE detector, **Phys. Lett. B672, 2009.**
36. Recent results from the KLOE and Dafne, **Int. J. Mod. Phys. E18, 2009.**

37. A global fit to determine the pseudoscalar mixing angle and the gluonium content of the eta-prime meson, **JHEP 0907:105, 2009.**
38. Precise measurement of $\Gamma(K \rightarrow e\nu(\gamma))/\Gamma(K \rightarrow \mu\nu(\gamma))$ and study of $K \rightarrow e\nu\gamma$, **Eur.Phys.J. C64, 2009.**
39. Study of the $a(0)(980)$ meson via the radiative decay $\phi \rightarrow \eta\pi^0\gamma$ with the KLOE detector, **Phys. Lett. B681, 2009.**
40. Search for the decay $\phi \rightarrow K^0\bar{K}^0\gamma$ with the KLOE experiment, **Phys. Lett. B679, 2009.**
41. Measurement of the branching ratio and search for a CP violating asymmetry in the $\eta \rightarrow \pi^+\pi^-\bar{e}^+e^-(\gamma)$ decay at KLOE, **Phys. Lett. B675, 2009.**
42. Test of a LYSO matrix with an electron beam between 100 MeV and 500 MeV for KLOE2, **Nucl Instr. and Meth. A617, 2010.**
43. Measurement of the neutron detection efficiency between 22 MeV and 174 MeV using two different kinds of Pb-scintillating fiber sampling calorimeters, **Nucl Instr. and Meth/ A617, 2010.**
44. QCALT: A tile calorimeter for KLOE2 experiment, **Nucl. Instr. and Meth. A617, 2010.**
45. Measurement of the $\eta \rightarrow 3\pi^0$ slope parameter α with the KLOE detector, **Phys. Lett. B694, 2010.**
46. Physics with the KLOE-2 experiment at the upgraded DaΦne, **Eur. Phys. J. C68, 2010**
47. Precision measurement of K_S meson lifetime with the KLOE detector, **Eur. Phys. J. C71, 2011.**
48. Measurement of $\sigma(e^+e^- \rightarrow \pi^+\pi^-)$ from threshold to 0.85 GeV^2 using initial state radiation with the KLOE detector, **Phys. Lett. B700, 2011.**
49. New Measurement of the $K^{+,-} \rightarrow \pi^{+,-}\mu^+\mu^-$ decay, **Phys. Lett.**

B697, 2011

50. Observation of the rare $\eta \rightarrow e^+e^-e^+e^-$ decay with the KLOE experiment, **Phys. Lett. B702, 2011.**
51. Meson production in gamma gamma interactions at Dafne, **Nuovo Cim. C034N06, 2011.**
52. Search for a vector gauge boson in phi meson decays with the KLOE detector, **Phys. Lett. B706, 2012.**
53. The KLOE2 project at the DAFNE accelerator upgraded in luminosity, **Nuovo Cim. C35N1, 2012.**
54. Precision measurement of $\sigma(e^+e^- \rightarrow \pi^+\pi^-\gamma)/\sigma(e^+e^- \rightarrow \mu^+\mu^-\gamma)$ and determination of the $\pi^+\pi^-$ contribution to the muon anomaly with the KLOE detector, **Phys. Lett. B720, 2013.**
55. Measurement of η meson production in $\gamma\gamma$ interactions and $\Gamma(\eta \rightarrow \gamma\gamma)$ with the KLOE detector, **JHEP 1301, 2013.**
56. Limit on the production of a light vector gauge boson in phi meson decays with the KLOE detector, **Phys. Lett. B720, 2013.**
57. Measurement of $\Gamma(\eta \rightarrow \pi^+\pi^-\gamma)/\Gamma(\eta \rightarrow \pi^+\pi^-\pi^0)$ with the KLOE detector, **Phys. Lett. B718, 2013.**
58. A new limit on the CP violating decay $K_S \rightarrow 3\pi^0$ with the KLOE experiment, **Phys. Lett. B723, 2013.**
59. QCALT: A tile calorimeter for KLOE-2 upgrade, **Nucl. Inst. Meth. A718, 2013.**
60. QCD and hadronic physics with KLOE and KLOE-2, **Nuovo Cimento C036-06, 2013.**
61. Search for dark forces at KLOE, **Nuovo Cimento C036-01, 2013.**
62. Mu2 Conceptual design Report, **FERMILAB-TM-2545, 2013.**
63. Test of CPT and Lorentz symmetry in entangled neutral kaons with

the KLOE experiment, **Phys. Lett. B730, 2014.**

64. Search for light vector boson production in $e^+e^- \rightarrow \mu^+\mu^-\gamma$ interactions with the KLOE experiment, **Phys. Lett. B736, 2014.**
65. Measurement of the absolute branching ratio of the $K^+ \rightarrow \pi^+\pi^-\pi^+(\gamma)$ decay with the KLOE detector, **Phys. Lett. B738, 2014.**
66. How modern technologies solve laboratory's dilemma in distance learning, **Digital Universities Issue 2014/1, ISSN 2385-2992, 2014.**
67. Scientific Laboratories in distance learning, **VIII Guide Conference, ISSN 2179-4901, 2014.**
68. Scientific laboratories in distance learning, **VIII Guide Conference, ISSN 2179-4901, 2014.**
69. Study of the Dalitz decay $\Phi \rightarrow \eta e^+e^-$ with the KLOE detector, **Phys. Lett. B742, 2015.**
70. Commissioning of the new calorimeters of the KLOE-2 experiment, **Acta Physica Polonica Vol.46, 2015.**
71. Search for dark Higgsstrahlung in $e^+e^- \rightarrow \mu^+\mu^-$ and missing energy events with the KLOE experiment", **Phys. Lett. B747, 2015.**