

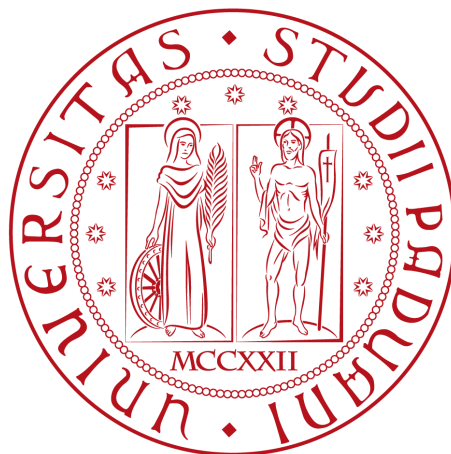
MATTEO ABIS

A SEARCH FOR EXOTIC PARTICLES OF CHARGE  $5/3$   
WITH THE CMS DETECTOR



# A SEARCH FOR EXOTIC PARTICLES OF CHARGE $5/3$ WITH THE CMS DETECTOR

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Matteo Abis: *A search for exotic particles of charge  $5/3$  with the CMS detector*, © A.A. 2011/2012

*Ohana* means family.  
Family means nobody gets left behind, or forgotten.  
— Lilo & Stitch

Dedicated to the loving memory of Rudolf Miede.  
1939–2005



## ABSTRACT

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Short summary of the contents in English...

## ZUSAMMENFASSUNG

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Kurze Zusammenfassung des Inhaltes in deutscher Sprache...





*We have seen that computer programming is an art,  
because it applies accumulated knowledge to the world,  
because it requires skill and ingenuity, and especially  
because it produces objects of beauty.*

— ? [? ]

## ACKNOWLEDGMENTS

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Put your acknowledgments here.

Many thanks to everybody who already sent me a postcard!

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<sup>1</sup> Members of GuIT (Gruppo Italiano Utilizzatori di T<sub>E</sub>X e L<sup>A</sup>T<sub>E</sub>X)



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## THE STANDARD MODEL AND THE TOP PARTNERS

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### 1.1 THE STANDARD MODEL

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