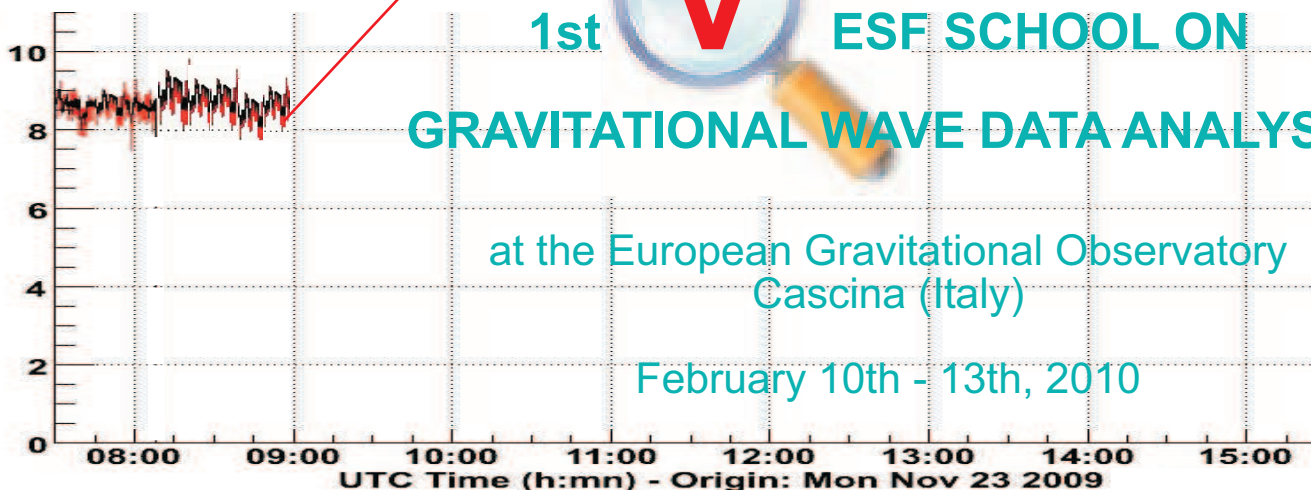


NS-NS range



The 1<sup>st</sup> VESF School on GW Data analysis will focus on providing a practical, hands-on introduction to the methodologies and techniques for data analysis.

It is addressed to graduate students, to post-doctoral fellows and to anyone interested in getting started with Interferometer Data Analysis.

The school program includes introductory lectures to signal analysis and gravitational wave sources, seminars on the use of data analysis tools, and extended practice sessions carried on using the software tools of the Virgo Collaboration applied to real Virgo data.

<b>Noise analysis</b> <i>Lead lecturer: Elena Cuoco, EGO</i>	Fundamentals of noise characterization Spectral and time frequency analysis Noise estimation and modeling
<b>Search for signals from coalescing binaries</b> <i>Lead lecturer: Frédérique Marion, LAPP</i>	Generalities on CB signals Matched filtering and event searches Basics of statistical significance Coincidences, event reconstruction
<b>Search for signals from periodic sources</b> <i>Lead lecturer: Cristiano Palomba, INFN</i>	Generalities on periodic GW signals Targeted searches Blind searches: some hints Detection and estimation for periodic signals

Application forms and complete program are available at:  
<http://www.roma1.infn.it/teongrav/VESF/SCHOOL.html>

**Application Deadline: January 15th, 2010**

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E-mail: [secretariat@ego-gw.it](mailto:secretariat@ego-gw.it)

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