

1- Il candidato illustri le sue esperienze professionali relativamente alle tematiche oggetto del bando

Il candidato descriva una tecnica spettroscopica a sua scelta

Il candidato descriva i compiti del RUP e del DEC nella gestione di un contratto industriale

Il candidato realizzi un grafico a torta con un set di dati a sua scelta usando excel

Nobel Lecture: Passion for precision

Theodor W. Hänsch*

Rev. Mod. Phys. 78, 1297 – Published 17 November, 2006

DOI: <https://doi.org/10.1103/RevModPhys.78.1297>

In our highly complex and ever changing world it is reassuring to know that certain physical quantities can be measured and predicted with very high precision. Precision measurements have always appealed to me as one of the most beautiful aspects of physics. With better measuring tools, one can look where no one has looked before. More than once, seemingly minute differences between measurement and theory have led to major advances in fundamental knowledge. The birth of modern science itself is intimately linked to the art of accurate measurements.

2- Il candidato illustri le sue esperienze professionali relativamente alle tematiche oggetto del bando

Il candidato descriva brevemente il principio della Quantum Key Distribution

Il candidato descriva le finalità e i contenuti di un capitolato tecnico

Il candidato realizzi un istogramma con un set di dati a sua scelta usando excel

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Since Galileo Galilei and Christiaan Huygens invented the pendulum clock, time and frequency have been the quantities that we can measure with the highest precision. Today, it is often a good strategy to transform other quantities such as length or voltage into a frequency in order to make accurate measurement.