

Editoria - ottobre 2015

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Enrico Fermi e il quaderno ritrovato

20 marzo 1934 – La vera storia della scoperta della radioattività indotta da neutroni

F. Guerra e N. Robotti

La scoperta della radioattività indotta da neutroni ha aperto all'umanità nuove frontiere nel campo della conoscenza scientifica. Il ritrovamento del corrispondente quaderno di laboratorio di Enrico Fermi ha permesso una precisa ricostruzione di tale scoperta, finora basata essenzialmente su testimonianze dirette o indirette, con tutti i limiti tipici del ricordo personale.

La Rivista del Nuovo Cimento, Vol. 38, N. 9 (2015)

Status and perspectives of experimental studies on hypernuclear weak decays

E. Botta, T. Bressani, S. Bufalino and A. Feliciello

The existing pattern of data on lifetimes, partial decay widths for mesonic and non-mesonic decay (both one- and two-nucleon induced) and energy spectra and correlations of the emitted particles is reviewed and compared with existing theoretical predictions. Updated tables and plots summarizing the existing experimental information are presented. For each item a brief account of possible new experimental efforts, approved, planned or futuristic is given. Rare decay channels and polarization studies are also briefly analyzed.

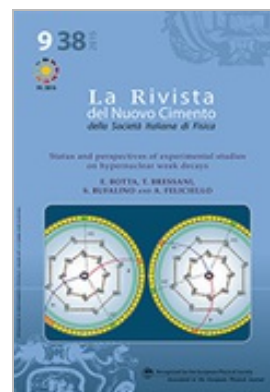
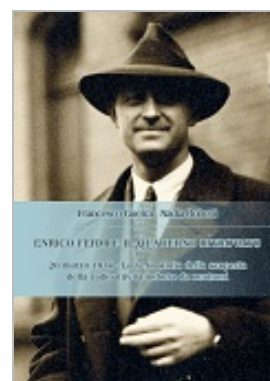
Il Nuovo Cimento, Vol. 38, N. 2 (2015)

Selection of the best communications presented at the 100th National Congress of the Italian Physical Society

Pisa, 22-26 September 2014

This issue of *Il Nuovo Cimento* is dedicated to a selection of the best communications at the *100th National Congress of the Italian Physical Society*, held in Pisa on 22-26 September 2014, by a number of young, talented members of the Society. The National Congress is a good occasion to prize these young physicists of different fields with a rapid on-line publication of their results in *Il Nuovo Cimento*. Moreover, since starting from this year the papers are published in Open Access, a wider distribution and a greater visibility is guaranteed.

EPL – Highlights from Vol. 112, 2015



Force transmission bottlenecks as determinants of shear bands

by *Antoinette Tordesillas et al.*

Revealing the microscopic origin of ϕ_0 Josephson junctions

by *F.S. Bergeret and I. V. Tokatly*

Activity-driven fluctuations in living cells

by *É. Fodor et al.*

Hidden patterns in Weiqi games

by *Li-Gong Xu et al.*

EPL Highlights are published in the first issue of each volume, *i.e.* four times a year, as well as in Europhysics News (EPN).

