

PAOLO MONTAGNA

**University of Pavia – Physics Department
INFN Section of Pavia**

SCIENTIFIC PUBLICATIONS**Publications on International reviews**

- 1) *** A.Rotondi, *P.Montagna*
Fast calculation of Vavilov distribution
Nucl. Instr. Meth. B47(1990)215
- Obelix Collaboration:**
- 2) Collab. Obelix (77 autori): A.Adamo et al.
Protonium annihilation in P-wave using low-density ($\rho/\rho^0 \approx 10^{-3}$) hydrogen targets. Measurements of cascade times and widths
Phys. Lett. B285(1992)15
 - 3) Collab. Obelix (77 autori): A.Adamo et al.,
First physics results from Obelix
Sov. J. Nucl. Phys. 55(1992)1732
 - 4) Collab. Obelix (77 autori): A.Adamo et al.
Antiprotons stopping power in hydrogen below 120 KeV and the Barkas effect
Phys. Rev. A47(1993)4517
 - 5) Collab. Obelix (81 autori): V.G.Ableev et al.
A new measurement of the Pontecorvo reaction $\bar{p}d \rightarrow \pi^- p$ with the Obelix spectrometer at LEAR
Nucl. Phys. A562(1993)617
 - 6) *** Collab. Obelix (79 autori): A.Adamo et al.
An experimental study of $\bar{p}^4\text{He}$ annihilation at rest
Nucl. Phys. A569(1994)761
 - 7) Collab. Obelix (83 autori): V.G.Ableev et al.
Measurement of the $\bar{p}p \rightarrow \pi^+\pi^-$ and $\bar{p}p \rightarrow K^+K^-$ annihilation frequencies in a 5 mb hydrogen gas target
Phys. Lett. B329(1994)407
 - 8) Collab. Obelix (74 autori): V.G.Ableev et al.
 Φ and Ω production in $\bar{n}p$ annihilation and the OZI rule
Phys. Lett. B334(1994)237
 - 9) Collab. Obelix (78 autori): M.Agnello et al.
Measurement of the frequency of the annihilation reaction $\bar{p}p \rightarrow \pi^0\pi^0$ in a NTP hydrogen target
Phys. Lett. B337(1994)226
 - 10) Collab. Obelix (76 autori): V.G.Ableev et al.
A study of Pontecorvo reactions in antiproton deuterium annihilations at rest
Nuovo Cim. A107(1994)2837
 - 11) Collab. Obelix (82 autori): V.G.Ableev et al.
Measurement of the $\bar{p}d$ annihilation at rest
Nucl.Phys. A585(1995)577
 - 12) Collab. Obelix (59 autori): M.Agnello et al.
Antiproton slowing down in H_2 and He and evidence of nuclear stopping power
Phys. Rev. Lett. 74(1995)371
 - 13) Collab. Obelix (83 autori): V.G.Ableev et al.
 $\phi\pi^0$ and $\phi\eta$ production in antiproton annihilation at rest in a hydrogen gas target at NTP *Nucl. Phys.* A594(1995)375

- 14) Collab. Obelix (81 autori): A.Bertin et al.
 E/τ decays to $K\bar{K}\pi$ in $\bar{p}p$ annihilation at rest
Phys. Lett. B361(1995)187
- 15) Collab. Obelix (85 autori): A.Bertin et al.
 $\bar{p}p$ annihilation cross section at very low energy
Phys. Lett. B369(1996)77
- 16) Collab. Obelix (85 autori): A.Bertin et al.
Protonium annihilation into $K_S K_L$ at three different target densities
Phys. Lett. B386(1996)486
- 17) Collab. Obelix (85 autori): A.Bertin et al.
New data on OZI rule violation in $\bar{p}p$ annihilation at rest,
Phys. Lett. B388(1996)450
- 18) Collab. Obelix (85 autori): A.Bertin et al.
Measurement of the $\eta(1440) \rightarrow K^+ K_L^0 \pi^\mp$ production rates from $\bar{p}p$ annihilation at rest at three different hydrogen target densities
Phys. Lett. B385(1996)493
- 19) Collab. Obelix (84 autori): A.Bertin et al.
Experimental antiprotons nuclear stopping power in H_2 and D_2 ,
Phys. Rev. A54(1996)5441
- 20) Collab. Obelix (88 autori): A.Bertin et al.
A search for axial vectors in $\bar{p}p \rightarrow K^\pm K_{miss}^0 \pi^\pm \pi^+ \pi^-$ annihilations at rest in gaseous hydrogen at NTP,
Phys. Lett. B400(1997)226
- 21) Collab. Obelix (87 autori): A.Bertin et al.
New data on Δ^{++} -baryon production in $\bar{p}d$ annihilation at rest
Phys. Lett. B403(1997)177
- 22) Collab. Obelix (90 autori): A.Bertin et al.
Spin-parity analysis on the final state $\pi^+ \pi^- \pi^0$ from $\bar{p}p$ annihilation at rest in hydrogen targets at three densities
Phys. Lett. B408(1997)476
- 23) *** Collab. Obelix (86 autori): A.Bertin et al.
Study of the $\bar{p}p \rightarrow 2\pi^+ 2\pi^-$ annihilation from S states,
Phys. Lett. B414(1997)220
- 24) Collab. Obelix (85 autori): A.Bertin et al.
Changes in the annihilation delay time distribution of stopped antiprotons in helium gas, due to contaminants – 2
Nuovo Cim. A110(1997)419-428
- 25) Collab. Obelix (91 autori): A.Bertin et al.
Study of the $f_0(1500)/f_2(1565)$ production in the exclusive annihilation $\bar{p}p \rightarrow \pi^+ \pi^+ \pi^-$ in flight,
Phys. Rev. D57(1998)55
- 26) Collab. Obelix (86 autori): V.Alberico et al.
Measurements of the reaction $\bar{p}p \rightarrow \phi \eta$ of antiproton annihilation at rest at three hydrogen target densities
Phys. Lett. B432(1998)427
- 27) Collab. Obelix (87 autori): A.Bertin et al.
Study of the isovector scalar mesons in the channel $\bar{p}p \rightarrow K^\pm K_S^0 \pi^\mp$ at rest with initial angular momentum state selection
Phys. Lett. B434(1998)180
- 28) Collab. Obelix (88 autori): V.Alberico et al.
Study of ϕ and $\phi'_2(1525)$ meson production in $\bar{p}p$ annihilation at rest

Phys. Lett. B438(1998)430

- 29) Collab. Obelix (86 autori): O.Denisov et al.
Light baryon production in binary $\bar{p}d$ annihilation reactions at rest
Phys. Lett. B460(1999)248
- 30) Collab. Obelix (73 autori): A.Zenoni et al.
New measurement of the $\bar{p}p$ annihilation cross section at very low energy
Phys. Lett. B461(1999)405
- 31) Collab. Obelix (72 autori): A.Zenoni et al.
 $\bar{p}D$ and $\bar{p}^4\text{He}$ annihilation cross section at very low energy
Phys. Lett. B461(1999)413
- 32) Collab. Obelix (72 autori): C.Cicalò et al.
Evidence for two pseudoscalar states in the 1.4-1.5 GeV mass region
Phys. Lett. B462(1999)453
- 33) Collab. Obelix (88 autori): A.Filippi et al.
Study of $\bar{n}p \rightarrow \phi\pi^+$ and $\bar{n}p \rightarrow \omega\pi^+$ annihilation reactions in flight
Nucl. Phys. A655(1999)453
- 34) Collab. Obelix (72 autori): A.Filippi et al.
Study of η and η' production in $\bar{n}p$ annihilations
Phys. Lett. B471(1999)263-270
- 35) Collab. Obelix (71 autori): F.Iazzi et al.
Antineutron-proton cross section from 50 to 400 MeV/c
Phys. Lett. B475(2000)378-385
- 36) Collab. Obelix (75 autori): A.Bianconi et al.
Measurement of cascade times of antiprotons in molecular hydrogen and helium
Phys. Lett. B487(2000)224-228
- 37) Collab. Obelix (69 autori): A.Filippi et al.
An analysis of the contribution of isospin two $\pi\pi$ resonant states in the $\bar{p} \rightarrow \pi^+\pi^+\pi^-$ annihilation reaction
Phys. Lett. B495(2000)284-288
- 38) *** Collab. Obelix (69 autori): G.Bendiscioli et al.
Contribution from S and P waves in pp annihilation at rest
Nucl. Phys. A686(2001)317-340
- 39) *** P.Salvini, G.Bendiscioli, A.Fontana, *P.Montagna*
Branching ratios of $\bar{p}p$ annihilation reactions
Nucl. Phys. A696(2001)527-536
- 40) Collab. Obelix (68 autori): M.Bargiotti et al.
Protonium annihilation into $\pi^0\pi^0$ at rest in a liquid hydrogen target
Phys. Rev. D65(2002)012001
- 41) Collab. Obelix (73 autori): O.E. Gorchakov et al.
Measurement of the $\bar{p}d \rightarrow \phi n$ Pontecorvo reaction for antiproton annihilation at rest
Phys. Lett. B528(2002)34-42
- 42) *** Collab. Obelix (66 autori): *P.Montagna* et al.
Single and multinucleon antiproton- ^4He annihilation at rest
Nucl. Phys. A700(2002)159-192
- 43) Collab. Obelix (68 autori): F.Nichitiu et al.
Study of the $K^+K^-\pi^+\pi^-\pi^0$ final state in antiproton annihilation at rest in gaseous hydrogen at NTP with the OBELIX spectrometer
Phys. Lett. B545(2002)261-271
- 44) Collab. Obelix (72 autori): M.Bargiotti et al.
Results of the coupled channel analysis of $\pi^+\pi^-\pi^0$, $K^+K^-\pi^0$ and $K^\pm K^0_S \pi^\pm$ final states from $\bar{p}p$

annihilation at rest in hydrogen targets at different densities*Phys. Lett.* B561(2003)233-240

- 45) Collab. Obelix (69 autori): M.Bargiotti et al., **Coupled channel analysis of $\pi^+ \pi^- \pi^0$, $K^+ K^- \pi^0$ and $K^\pm K^0 \pi^\pm$ from $\bar{p}p$ annihilation at rest in hydrogen targets at different densities**
Eur. Phys.J. C26(2003)371-368
- 46) *** Collab. Obelix (68 autori): P.Salvini et al.
 $\bar{p}p$ annihilation into four charged pions at rest and in flight
Eur. Phys.J. C35(2004)21-33
- 47) Collab. Obelix (71 autori): M.Bargiotti et al.
Dinamical selection rules from $\bar{p}p$ annihilation at rest in three meson final states,
Eur. Phys. J. C35(2004)177-187
- 48) *** A.Panzarasa, P.Salvini, G.Bendisoli, *P.Montagna*, N.Zappa:
Evidence for the formation of a highly excited hadronic blob in $\bar{p}^4\text{He}$ annihilation,
Nucl. Phys. A747(2005)448-475
- 49) *** A.Panzarasa, ..., *P.Montagna*, ..., et al. (49 autori):
Search for the $\Theta^+(1530)$ pentaquark in antiproton ^4He annihilation at rest,
Nucl. Phys. A779(2006)116-141

Athena Collaboration:

- 50) *** Collab. Athena (41 autori): M.Amoretti et al.
Production and detection of cold antihydrogen atoms
Nature 419(2002)456
- 51) Collab. Athena (31 autori): M.Amoretti et al.
Positron Plasma Diagnostic and Temperature Control for Antihydrogen Production
Phys. Rev. Lett. 91(2003)055001-1
- 52) Collab. Athena (35 autori): M.Amoretti et al.
High rate production of antihydrogen
Phys. Lett. B578(2004)23-32
- 53) Collab. Athena (46 autori): M.Amoretti et al.
The ATHENA antihydrogen apparatus
Nucl. Instr. Meth. A518(2004)679-711
- 54) Collab. Athena (31 autori): M.C.Fujiwara et al.
Three-dimensional annihilation imaging of trapped antiprotons
Phys. Rev. Lett. 92(2004)065005
- 55) Collab. Athena (34 autori): M.Amoretti et al.
Dynamics of antiproton cooling in a positron plasma during antihydrogen formation
Phys. Lett. B590(2004)133-142
- 56) Collab. Athena (32 autori): N.Madsen et al.
Spatial distribution of cold antihydrogen formation
Phys. Rev. Lett. 94(2005)033403
- 57) Collab. Athena (31 autori): A.Kellerbauer et al.
Sideband cooling of ions in a non-neutral buffer gas
Phys. Rev. A73(2006)062508
- 58) Collab. Athena (31 autori): N.Zurlo et al.
Evidence for the production of slow antiprotonic hydrogen in vacuum
Phys. Rev. Lett. 97(2006)153401
- 59) Collab. Athena (35 autori): M.Amoretti et al.
Search for laser-induced formation of antihydrogen atoms
Phys. Rev. Lett. 97(2006)213401
- 60) Collab. Athena (35 autori): M.Amoretti et al.
Progress with cold antihydrogen
Nucl. Instr. Meth. B247(2006)133-137

- 61) Collab. Athena (32 autori): R.Funakoshi et al.
Positron plasma control techniques for the production of cold antihydrogen
Phys. Rev. A 76(2007)012713
- 62) Collab. Athena (31 autori): L.Venturelli et al.
Protonium production in Athena
Nucl. Instr. Meth. B 261(2007)40-43
- 63) Collab. Athena (35 autori): M.C.Fujiwara et al.
Temporally controlled modulation of antihydrogen production and the temperature scaling of antiproton-positron recombination
Phys. Rev. Lett. 101(2008)053401

Finuda Collaboration:

- 64) Collab. Finuda (58 autori): M.Agnello et al.
Measurement of the proton spectra from non-mesonic weak decay of ${}^5_{\Lambda}\text{He}$, ${}^7_{\Lambda}\text{Li}$ and ${}^{12}_{\Lambda}\text{C}$
Nucl. Phys. A 804(2008)151-161
- 65) Collab. Finuda (57 autori): M.Agnello et al.
Correlated Λ pairs from the absorption of K^- at rest in light nuclei
Phys. Lett. B 669(2008)229-234
- 66) Collab. Finuda (53 autori): M.Agnello et al.
New results on mesonic weak decay of p-shell Λ -hypernuclei
Phys. Lett. B 681(2009)139-146
- 67) Collab. Finuda (51 autori): M.Agnello et al.
Proton spectra from non-mesonic weak decay of p-shell Λ -hypernuclei and evidence for the two-nucleon induced process
Phys. Lett. B 685(2010)247-252
- 68) Collab. Finuda (39 autori): M.Agnello et al.
Hypernuclear spectroscopy with K^- at rest on ${}^7\text{Li}$, ${}^9\text{Be}$, ${}^{13}\text{C}$ and ${}^{16}\text{O}$
In corso di pubblicazione su Phys. Lett. (2011)
 doi: 10.1016/j.physletb.2011.02.060
- 69) Collab. Finuda (39 autori): M.Agnello et al.
Neutron-proton coincidences from Non-Mesonic Weak Decay of p-shell Λ -hypernuclei and determination of the two-nucleon induced process
Phys. Lett. B 701(2011)556-561
 doi: 10.1016/j.physletb.2011.06.035
- 70) Collab. Finuda (39 autori): M.Agnello et al.
The $A(K^-_{\text{stop}}\pi^+\Sigma^+)A'$ reaction on p-shell nuclei
Phys. Lett. B 704(2011)474-480
 doi: 10.1016/j.physletb.2011.09.076
- 71) Collab. Finuda (37 autori): M.Agnello et al.
Hypernuclear weak decay studies with FINUDA
Nucl. Phys. A 881(2012)322-338
 doi: 10.1016/j.nuclphysa.2012.01.024

Publications on National reviews

- 1b) Collab. Athena - Gruppo Italiano (15 autori): M.Amoretti et al.
La fabbrica degli antiatomi
Le Scienze 411(2002)56-63
- 2b) *** G.Bendisoli, V.Filippini, A.Fontana, P.Genova, M.Marchesotti, *P.Montagna*, A.Panzarasa, A.Rotondi, P.Salvini
Materia e antimateria: dalle particelle agli atomi
Istituto Lombardo (Rend. Sc.) B 136(2002)211-238
- 3b) *** A.Fontana, *P.Montagna*
Verso un mondo di antimateria? Primi stati materia-antimateria su scala atomica
Giornale di Fisica, vol. XLVIII, n. 2, aprile-giugno 2007, DOI 10.1393/gdf/i2007-10051-7

Publications as a result of presentations at conferences

Obelix Collaboration:

- 1c) P.Montagna for the Obelix Collab.
Antiproton-⁴He annihilation at rest
Nucl.Phys. A682(2001)108c,
 presentato da P.Montagna a LEAP'00 (Venezia, 2000, poster)
- 2c) P.Montagna for the Obelix Collab.
Single and multi-nucleon antiproton-⁴He annihilation at rest
AIP Conference Proceedings 603(2001)365,
 presentato da P.Montagna a Meson'01 (Praga, 2001, comunicazione)
- 3c) P.Montagna, G.Bendisoli, T.Bressani, A.Fontana, L.Lavezzi, A.Panzarasa, A.Rotondi, P.Salvini,
Recent results on antiproton annihilation in ⁴He
Few Body Syst 43(2008)115-120, DOI 10.1007/s00601-008-0218-6,
 presentato da P.Montagna a EFB20 (Pisa, 2007, relazione su invito)

Panda Collaboration:

- 4c) P.Montagna on behalf of the PANDA Collaboration
The PANDA esperimenti: antiproton physics at FAIR
Nuovo Cim. 34C(2011)169, DOI 10.1393/nec/i2011-11089-2
 presentato da P.Montagna a IFAE11 (Perugia, 2011, relazione su invito)

Presentations at conferences

- 1d) **INPC 92** (International Nuclear Physics Conference, Wiesbaden, Germania, July 1992)
 poster "**Antiproton-⁴He annihilation at rest**"
- 2d) **SIF 92** (Società Italiana di Fisica, LXXVIII Congresso Nazionale, Pavia, October 1992)
 talk: **Riconoscimento di particelle tramite misura di perdita di energia per ionizzazione in una camera a proiezione a spirale**
 (see: Book of Abstract del LXXVIII Congresso Nazionale SIF, pag. 155)
- 3d) **SIF 99** (Società Italiana di Fisica, LXXXV Congresso Nazionale, Pavia, September 1999)
 talk: **Annichilazione a riposo di antiprotoni in ⁴He**
 (see: Book of Abstract del LXXXV Congresso Nazionale SIF, pag. 22)
- 4d) **LEAP 2000** (Low Energy Antiproton Physics Conference, Venezia, agosto 2000)
 poster **Antiproton-⁴He annihilation at rest**
 pubblicata in P.Montagna, *Nucl. Phys.* A692(2001)108c
- 5d) **SIF 00** (Società Italiana di Fisica, LXXXVI Congresso Nazionale, Palermo, October 2000)
 talk **Nuovi dati sull'annichilazione a riposo di antiprotoni in ⁴He**
 (see: Book of Abstract del LXXXVI Congresso Nazionale SIF, pag. 30)
- 6d) **MESON 2001** (Meson and Light Nuclei Conference, Praga, luglio 2001)
 talk **Single and multi-nucleon antiproton-⁴He annihilation at rest**
 published in P.Montagna, *AIP Conference Proceedings* 603(2001)365
- 7d) **AIF 04** (Associazione per l'Insegnamento della Fisica, XLIII Congr.Naz., Salice Terme, ottobre 2004)
Invited talk "**Un po' di Fisica fa bene a tutti**"
- 8d) **EFB20** (20th European Few Body Conference, Pisa, settembre 2007)
Invited talk "**Recent results on antiproton annihilation in ⁴He**"
 published in P.Montagna, *Few Body Syst* (2008), DOI 10.1007/s00601-008-0218-6
- 9d) **IFAE 11** (Incontri di Fisica delle Alte Energie, Perugia, aprile 2011)
Invited talk "**The PANDA esperiment: antiproton physics at FAIR**"
 published in P.Montagna, *Nuovo Cim.* 34C(2011)169, DOI 10.1393/nec/i2011-11089-2

Didactic publications

P.Montagna, A.Panzarasa
Dalla Matematica alla Fisica.

Richiami di Matematica e semplici esercizi di Fisica tra scuola superiore e università
ed. CLU Pavia, 2003

P. Montagna, C. Cattaneo

Dalla Matematica alla Fisica.

Richiami di Matematica e semplici esercizi di Fisica tra scuola superiore e università
Nuova edizione riveduta e corretta

ed. CLU Pavia, 2008

Experimental proposals

- 1f) Collab. Finuda (50 autori): M. Agnello et al.
FINUDA - A detector for Nuclear Physics at DaΦne
LNF-93/021 (IR), 11 maggio 1993
- 2f) Collab. Finuda (54 autori): M. Agnello et al.
FINUDA Technical Report
LNF-95/024 (IR), 18 maggio 1995
- 3f) Collab. Panda (320 autori)
PANDA – Strong Interaction Studies with Antiprotons – Letter of Intent
GSI-ESAC/Pbar, gennaio 2004
- 4f) Collab. Panda (circa 350 autori)
PANDA – Strong Interaction Studies with Antiprotons – Technical Progress Report
FAIR-ESAC/Pbar, febbraio 2005
- 5f) Collab. Panda (circa 400 autori)
PANDA – Strong Interaction Studies with Antiprotons – Physics Performance Report
FAIR-ESAC/Pbar, marzo 2009, <http://arxiv.org/abs/0903.3905v1>

PhD Thesis

P. Montagna

Annichilazione in quiete $\bar{p}p \rightarrow \pi^+\pi^-\pi^+\pi^-\pi^0$

Tesi di Dottorato di Ricerca in Fisica, Università di Pavia, 1994

Updated: September 2012

**Appendix: publications as a result of presentations at conferences
by other members of the Collaborations with P.Montagna as co-author**

Obelix Collaboration:

- 1c) Collab. Obelix (95 autori): A.Bertin et al.
 $\bar{p}p$ annihilation into $K_S^0 K_L^0$: a study of the 3S_1 initial state
in *Manchester 1995, Hadron '95* 417-419, presentato a HADRON'95
- 2c) Collab. Obelix (88 autori): A.Bertin et al.
Study of the $\bar{p}p \rightarrow K^+ K^- \pi^0$ reaction in antiproton annihilation at rest
in *Manchester 1995, Hadron '95* 377-379, presentato a HADRON'95
- 3c) Collab. Obelix (94 autori): V.Ableev et al.
Study of resonances decaying into four pions in $\bar{N}N$ annihilation
in *Manchester 1995, Hadron '95* 337-339, presentato a HADRON'95
- 4c) Collab. Obelix (81 autori): A.Bertin et al.
Study of E/ν decays to $KK\pi$ in $\bar{p}p$ annihilation at rest
in *Manchester 1995, Hadron '95* 325-327, presentato a HADRON'95
- 5c) Collab. Obelix (93 autori): A.Benedettini et al.
Meson spectroscopy with very low momentum antiprotons
Nucl.Phys. B (Proc.Suppl.) 56A(1997)188, presentato da P.Salvini a LEAP'96
- 6c) Collab. Obelix (97 autori): A.Benedettini et al.
Results on spin-parity analysis of $\bar{n}p \rightarrow \pi^+ \pi^- \pi^+$ in flight
Nucl.Phys. B (Proc.Suppl.) 56A(1997)160, presentato da A.Filippi a LEAP'96
- 7c) Collab. Obelix (96 autori): A.Benedettini et al.
 $\bar{p}p$ partial cross section at low energy
Nucl.Phys. B (Proc.Suppl.) 56A(1997)58, presentato da M.Corradini a LEAP'96
- 8c) Collab. Obelix (95 autori): A.Benedettini et al.
Results on spin-parity analysis of $\bar{p}p \rightarrow \pi^+ \pi^- \pi^0$ annihilation at rest from different density hydrogen targets
Nucl.Phys. B (Proc.Suppl.) 56A(1997)146, presentato da N.Semprini-Cesari a LEAP'96
- 9c) Collab. Obelix (95 autori): A.Bertin et al.
 $\bar{n}p$ annihilation in flight in two mesons in the momentum range between 50 and 400 MeV/c with Obelix
Nucl.Phys. B (Proc.Suppl.) 56A(1997)227, presentato da B.Giacobbe a LEAP'96
- 10c) Collab. Obelix (94 autori): A.Bertin et al.
Study of the isovector scalar mesons in the channel $\bar{p}p \rightarrow K^\pm K_S^0 \pi^\mp$ at three hydrogen target densities
Nucl.Phys. B (Proc.Suppl.) 56A(1997)262, presentato da G.Usai a LEAP'96

Finuda Collaboration:

- 11c) Collab. Finuda (44 autori): M.Agnello et al.
Finuda and hypernuclei production at Daphne
*Nucl.Phys. A*585(1995)271c
- 12c) Collab. Finuda (51 autori): M.Agnello et al.
Hypernuclear Physics with the Finuda Spectrometer at Daphne
*Nucl.Phys. A*623(1997)279c
- 13c) Collab. Finuda (52 autori): M.Agnello et al.
Mesonic and non-mesonic weak decay of hypernuclei with Finuda
*Nucl.Phys. A*827(2009)303c
- 14c) Collab. Finuda (43 autori): M.Agnello et al.
Study of the $A(K_{\text{stop}}^- \pi^+ \Sigma^+)A'$ reaction
*Nucl. Phys. A*835(2010)398-401

15c) Collab. Finuda (43 autori): M.Agnello et al.

FINUDA hypernuclear spectroscopy

Nucl. Phys. A835(2010)414-417

Athena Collaboration:

16c) Collab. Athena (32 autori): M.C.Fujiwara et al.

First production and detection of cold anti-hydrogen atoms

Nucl.Instr.Meth. B214(2004)11-16, presentato da M.C.Fujiwara (invited talk) a LEAP'03

17c) Collab. Athena (35 autori): A.Kellerbauer et al.

ATHENA: First production of cold antihydrogen and beyond

Bloomington 2004, 38-47, presentato da A.Kellerbauer a CPT'04, hep-ex/0409045

18c) Collab. Athena (31 autori): A.Variola et al.

Production and detection of cold anti-hydrogen atoms. A first step towards high precision CPT test

AIP Conf.Proc. 698(2004)205-208, presentato da A.Variola a CIPANP'03

19c) Collab. Athena (31 autori): G.Bonomi et al.

Antihydrogen production mechanisms in Athena

Nucl.Phys. A752(2005)97-100, presentato da G.Bonomi a INPC'04

20c) Collab. Athena (35 autori): M.Amoretti et al.

Cold-antimatter physics

Ric.Sci. 124(2005)25-34, presentato da M.Amoretti a Bormio'05, hep-ex/0503034

21c) Collab. Athena (35 autori): M.Amoretti et al.

Progress with cold antihydrogen

Nucl.Instr. and Meth. B247(2006)133-137, presentato da M.Charlton a XIII International Workshop on Low-Energy Positron and Positronium Physics, Campinas, Brasile, luglio 2005

22c) Collab. Athena (31 autori): L.Venturelli et al.

Protonium production in Athena,

Nucl.Instr. and Meth. B261(2007)40-43, presentato da L.Venturelli a XIX International Conference on the Application of Accelerators in Research and Industry, Fort Worth, TX, USA, agosto 2006

Panda Collaboration:

23c) S.Costanza (16 autori) et al.

The straw tube tracker of the Panda experiment,

Nucl.Instr. and Meth. A617(2007)148-150, presentato da S.Costanza a 11th Pisa Meeting on Advanced Detectors, La Biodola (Elba), maggio 2009

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