

## **HARP Collaboration, CERN, Geneva**

- 1.** M.G.Catanesi,....,R.Tsenov et al.,  
*Proposal to Study Hadron Production for the Neutrino Factory and for the Atmospheric Neutrino Flux*  
CERN-SPSC/99-35, SPSC/P315, Geneva, Nov. 1999
- 2.** M.G.Catanesi,....,R.Tsenov et al.,  
*Proposal to Study Helium-Induced Hadron Production for the Atmospheric Neutrino Flux (Addendum to the HARP Proposal)*  
CERN-SPSC/2001-016, SPSC/P315 Add.1, Geneva, May 2001.
- 3.** Roumen Tsenov for HARP collaboration  
*MySQL Data-Base Applications for DST-like Physics Analysis*  
Proceedings of the 8th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications, Villa Erba, Como 6-10 October 2003, ed. by M. Barone et al, World Scientific Publishing, (2004) p.334-9
- 4.** M.Bogomilov, D.Kolev, R.Tsenov  
*Performance of the Resistive Plate Chambers of the HARP Experiment*  
Ann. de l'Universite de Sofia "St.Kliment Ohridski", **99** (2006) pp.5-24.
- 5.** M.G. Catanesi,....,R.Tsenov et al. (HARP Collaboration)  
*Measurement of the production cross-section of positive pions in p-Al collisions at 12.9 GeV/c*  
Nucl.Phys. **B732** (2006) 1-45
- 6.** M.G. Catanesi,....,R.Tsenov et al. (HARP Collaboration)  
*The HARP Detector at the CERN PS*  
Nucl.Instr.&Meth. A, **vol. 571** (2007) pp.527-61
- 7.** M.G. Catanesi,....,R.Tsenov et al. (HARP Collaboration)  
*Particle identification algorithms for the HARP forward spectrometer*  
Nucl.Instr.&Meth. A, **vol. 572** (2007) pp. 899-921
- 8.** M.Bogomilov,....,R.Tsenov et al.  
*Physics Performance of the Barrel RPC System of the HARP Experiment*  
IEEE Trans.Nucl.Sci., **v.54** (2007) pp. 342-53, No.2
- 9.** M.G. Catanesi,....,R.Tsenov *et al.* [HARP Collaboration],  
*Measurement of the Production of Charged Pions by Protons on a Tantalum Target*  
Eur. Phys. J. **C51** (2007) 787-824, [arXiv:0706.1600].
- 10.** M.G. Catanesi,....,R.Tsenov *et al.* [HARP Collaboration],  
*Measurement of the production cross-section of positive pions in the collision of 8.9GeV/c protons on beryllium*  
Eur. Phys. J. **C52** (2007) 29-53, [hep-ex/0702024].
- 11.** M.G. Catanesi,....,R.Tsenov et al. [HARP Collaboration]  
*Large-angle production of charged pions by 3 GeV/c-12 GeV/c protons on carbon, copper and tin targets,*  
Eur. Phys. J. **C53** (2008)177-204, [arXiv:0709.3464]
- 12.** M.G. Catanesi,....,R.Tsenov et al. [HARP Collaboration]  
*Large-angle production of charged pions by 3 GeV/c-12.9 GeV/c protons on beryllium, aluminum and lead targets,*  
Eur. Phys. J. **C54** (2008)37-60, [arXiv: 0709.3458]
- 13.** A.Artamonov,....,R.Tsenov et al.,  
*The time response of glass Resistive Plate Chambers to heavily ionizing particles,*  
J. Inst., **2** (2007) P10004 [arXiv: 0709.3756]
- 14.** M.G. Catanesi,....,R.Tsenov et al. [HARP Collaboration]  
*Absolute momentum calibration of the HARP TPC,*

J. Inst., 3, No 04 (April 2008) P04007[arXiv: 0709.2806]

**15.** HARP Collaboration (Corresponding author R. Tsenov)

*Comments on: "The Harp Time Projection Chamber: Characteristics and physics performance" by V. Ammosov et al. (Letter to the Editor)*

Nucl.Instr.&Meth. A, **vol. 588** (2008) pp.318-20

**16.** M.G. Catanesi, ..., R. Tsenov et al. [HARP Collaboration]

*Measurement of the production cross-sections of  $\pi^\pm$  in  $p$ -C and  $\pi^\pm$ -C interactions at 12 GeV/c,* Astroparticle Physics, **29** (2008) pp. 257-281 [arXiv: 0709.2806]

**17.** M.G. Catanesi, ..., R. Tsenov et al. [HARP Collaboration]

*Large-angle production of charged pions with 3–12.9 GeV/c incident protons on nuclear targets,* Phys. Rev. C, **77** (2008) 055207

**18.** M.G. Catanesi, ..., R. Tsenov et al. [HARP Collaboration]

*Forward  $\pi^\pm$  production cross-sections in  $p$ -O<sub>2</sub> and  $p$ -N<sub>2</sub> interactions at 12 GeV/c,* Astroparticle Physics, **30** (2008) p. 124-132 [arXiv: 0807.1025].

**19.** R. Tsenov (on behalf of the HARP Collaboration)

*HARP Collaboration results on the proton-nuclei interactions at few GeV energies*

Talk presented at the XLIII Recontres de Moriond on Electroweak Interactions and Unified Theories, La Thuile, 1-8 March 2008, arXiv: 0806.3957 (2008) [hep-ex]

**20.** M. Apollonio, ..., R. Tsenov et al. [HARP Collaboration]

*Forward production of charged pions with incident  $\pi^\pm$  on nuclear targets measured at the CERN PS,* Nucl. Phys. A, **vol. 821** (2009) pp. 118-192, [arXiv: 0902.2105].

**21.** M. Apollonio, ..., R. Tsenov et al. [HARP Collaboration]

*Forward production of charged pions with incident protons on nuclear targets at the CERN Proton Synchrotron,* Phys. Rev. C **80** (2009), 035208 [arXiv: 0907.3857].

**22.** M. Apollonio, ..., R. Tsenov et al. [HARP Collaboration]

*Comparison of large-angle production of charged pions with incident protons on cylindrical long and short targets,* Phys. Rev. C **80** (2009), 065204, CERN-PH-EP-2009-022, [arXiv:0909.0337].

**23.** A. Bagulya, ..., R. Tsenov et al. [HARP Collaboration]

*Dynamic Distortions in the HARP TPC: Observations, measurements, modelling and corrections,* JINST **4** (2009) P11014, CERN-PH-EP-2009-015, [arXiv:0903.4762]

**24.** M. Apollonio, ..., R. Tsenov et al. [HARP Collaboration]

*Large-angle production of charged pions with incident pion beams on nuclear targets,* Phys. Rev. C **80** (2009) 065207, CERN-PH-EP-2009-021, [arXiv:0907.1428].

**25.** M. Apollonio, ..., R. Tsenov et al. [HARP Collaboration]

*Measurements of forward proton production with incident protons and charged pions on nuclear targets at the CERN Proton Synchrotron,* Phys. Rev. C **82:045208** (2010), CERN-PH-EP-2010-016, [arXiv:1006.1223].