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Nature, Science PRL 20

SCI 1437 100

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G. E. Valley

APS

Fellow Prize

Robert T. Poe

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Nature (doi:10.1038/news.2010.108)

“Heavyantimatter

created in gold collisions”

“To find the new antihydrogen, JinhuiChen of the

Shanghai Institute of Applied Physics... developed sophisticated software that could

pick out thenew antinucleons”

GSI

Stoecker

“This experimental discovery may have

unprecedented consequence for our view of the world. Anti-hypertriton pushes open the door to new dimensions in the nuclear chart: from the normal matter to the antimatter world and to the world of anti-hyper-matter – just a few years ago this would have been viewed as impossible.”

<http://www.bnl.gov/rhic/news2/news.asp?a=1075&t=pr>

LHC ALICE 2.7TeV +
arXiv:1506.08453
HypHI

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William F. Brinkman “This discovery highlights the extraordinary capabilities of RHIC to investigate fundamental questions about the nature of matter, antimatter, and the early universe”

<http://www.bnl.gov/rhic/news2/news.asp?a=1259&t=pr>

4 STAR STAR

(http://www.lssf.cas.cn/gjhzxm/201110/t20111020_3379247.html)

4 LHC-ALICE 2.7TeV +
J.Phys.G,2011,38:124189

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2012

4 STAR-TOF TOF RICE : “U.S., China Cooperate on High-Energy Physics Experiment” “Without our Chinese partners, this new system wouldn't have been feasible. Their detectors are superior in quality to any of the prototypes we created, and their support and enthusiasm for the project are unparalleled.” said lab director Billy Bonner, a co-principal investigator on the new

DOE grant. <http://www.bnl.gov/rhic/news2/news.asp?a=477&t=pr>

TOF BNL STAR ...
STAR

This constitutes a scientific legacy that will impact nuclear science in China and in

theworld for decades...The close cooperation between US and Chinese scientists that wasrequired for this success now serves as a model for future joint U.S.-China scientificventures...The STAR construction effort in China has been a completescientific and technical success at every level, and the Chinese TOF team is to behighly congratulated.

2012

George E. Valley Jr.

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"In recognition of his discovery of the first antimatter hypernucleus and his seminal contributions to the study of partonic matter using ϕ mesons produced in relativistic nuclear collisions."

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STAR-TOF

2015

(APS

Fellow)

APS Fellow

APS Fellow

(citation) "For a leadership role in the construction of the MRPC Time-of-Flight detector for STAR collaboration, the subsequent discoveries of anti-helium 4 and anti-hypertriton at RHIC, and significant contributions to studies of nuclear liquid-gas phase transition in intermediate energy heavy-ion collisions."

<http://www.aps.org/units/dnp/fellowship/index.cfm> ;

2015

<http://ocpaweb.org/home/2015-achievement-in-asia-award/>

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Nature 527,345 (2015)

<http://news.sciencenet.cn/htmlnews/2015/11/331093.shtm?id=331093>)

http://www.xinhuatone.com/detail.jsp?con_id=682078&class_id=53

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