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Jet properties in PbPb and pp collisions at root S-NN=5.02 TeV

By: Sirunyan, AM (Sirunyan, A. M.)^[1]; Tumasyan, A (Tumasyan, A.)^[1]; Adam, W (Adam, W.)^[2]; Ambrogi, F (Ambrogi, F.)^[2]; Asilar, E (Asilar, E.)^[2]; Bergauer, T (Bergauer, T.)^[2]; Brandstetter, J (Brandstetter, J.)^[2]; Brondolin, E (Brondolin, E.)^[2]; Dragicevic, M (Dragicevic, M.)^[2]; Ero, J (Eroe, J.)^[2] ...More

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Abstract

Modifications of the properties of jets in PbPb collisions, relative to those in pp collisions, are studied at a nucleon-nucleon center-of-mass energy of $\sqrt{s_{NN}} = 5.02$ TeV via correlations of charged particles with the jet axis in relative pseudorapidity ($\Delta\eta$), relative azimuth ($\Delta\phi$), and relative angular distance from the jet axis $\Delta r = \sqrt{(\Delta\eta)^2 + (\Delta\phi)^2}$. This analysis uses data collected with the CMS detector at the LHC, corresponding to integrated luminosities of $404 \mu\text{b}^{-1}$ and 27.4pb^{-1} for PbPb and pp collisions, respectively. Charged particle number densities, jet fragmentation functions, and jet shapes are presented as a function of PbPb collision centrality and charged-particle track transverse momentum, providing a differential description of jet modifications due to interactions with the quark gluon plasma.

Keywords

Author Keywords: Heavy Ion Experiments; Heavy-ion collision; Jet physics; Quark gluon plasma

KeyWords Plus: MOMENTUM DEPENDENCE; ROOT-S(NN)=2.76 TEV; DETECTOR

Author Information

Reprint Address: Sirunyan, AM (reprint author)

+ Yerevan Phys Inst, Yerevan, Armenia.

Addresses:

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- [2] Inst Hochenergiephys, Vienna, Austria
- [3] Inst Nucl Problems, Minsk, BELARUS
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By: Aad, G.; Abbott, B.; Abdallah, J.; et al.
 Group Author(s): ATLAS Collaboration
 PHYSICAL REVIEW LETTERS Volume: 105 Issue: 25 Article Number: 252303 Published: DEC 13 2010
- 2. [Measurement of inclusive jet charged-particle fragmentation functions in Pb plus Pb collisions at root S-NN=2.76 TeV with the ATLAS detector](#)** Times Cited: 83

By: Aad, G.; Abbott, B.; Abdallah, J.; et al.
 Group Author(s): ATLAS Collaboration
 PHYSICS LETTERS B Volume: 739 Pages: 320-342 Published: DEC 12 2014

3. **Measurement of jet suppression in central Pb-Pb collisions at root s(NN)=2.76 TeV** Times Cited: 68
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.
Group Author(s): ALICE Collaboration
PHYSICS LETTERS B Volume: 746 Pages: 1-14 Published: JUN 30 2015
4. **Direct observation of dijets in central Au plus Au collisions at root s(NN)=200 GeV** Times Cited: 161
By: Adams, J.; Aggarwal, M. M.; Ahammed, Z.; et al.
Group Author(s): STAR Collaboration
PHYSICAL REVIEW LETTERS Volume: 97 Issue: 16 Article Number: 162301 Published: OCT 20 2006
5. **Transverse momentum and centrality dependence of dihadron correlations in Au plus Au collisions at root s(NN)=200 GeV: Jet quenching and the response of partonic matter** Times Cited: 62
By: Adare, A.; Afanasiev, S.; Aidala, C.; et al.
Group Author(s): PHENIX Collaborat
PHYSICAL REVIEW C Volume: 77 Issue: 1 Article Number: 011901 Published: JAN 2008
6. **GEANT4-a simulation toolkit** Times Cited: 10,211
By: Agostinelli, S.; Allison, J.; Amako, K.; et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 506 Issue: 3 Pages: 250-303 Published: JUL 1 2003
7. **An analysis of the influence of background subtraction and quenching on jet observables in heavy-ion collisions** Times Cited: 24
By: Apolinario, Liliانا; Armesto, Nestor; Cunqueiro, Leticia
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 022 Published: FEB 2013
8. **Jet asymmetry and momentum imbalance from 2 -> 2 and 2 -> 3 partonic processes in relativistic heavy-ion collisions** Times Cited: 8
By: Ayala, Alejandro; Dominguez, Isabel; Jalilian-Marian, Jamal; et al.
PHYSICAL REVIEW C Volume: 92 Issue: 4 Article Number: 044902 Published: OCT 6 2015
9. Title: [not available] Times Cited: 133
By: Bjorken, J.
FERMILAB-PUB-82-059-THY Published: 1982
10. **Angular Structure of the In-Medium QCD Cascade** Times Cited: 22
By: Blaizot, J. -P.; Mehtar-Tani, Y.; Torres, M. A. C.
PHYSICAL REVIEW LETTERS Volume: 114 Issue: 22 Article Number: 222002 Published: JUN 5 2015
11. **Extracting the jet transport coefficient from jet quenching in high-energy heavy-ion collisions** Times Cited: 130
By: Burke, Karen M.; Buzzatti, Alessandro; Chang, Ningbo; et al.
Group Author(s): JET Collaboration
PHYSICAL REVIEW C Volume: 90 Issue: 1 Article Number: 014909 Published: JUL 29 2014
12. Title: [not available] Times Cited: 1
By: CACCIARI M
EA J C Volume: 72 Published: 2012
13. **The anti-k(t) jet clustering algorithm** Times Cited: 1,831
By: Cacciari, Matteo; Salam, Gavin P.; Soyez, Gregory
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 063 Published: APR 2008
14. **Angular structure of jet quenching within a hybrid strong/weak coupling model** Times Cited: 17
By: Casalderry-Solana, Jorge; Gulhan, Doga Can; Milhano, Jose Guilherme; et al.
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 135 Published: MAR 27 2017
15. **Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV** Times Cited: 186
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): Collaboration, C
EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 3 Article Number: 1945 Published: MAR 2012

16. **Dependence on pseudorapidity and centrality of charged hadron production in Pb-Pb collisions at a nucleon-nucleon centre-of-mass energy of 2.76 TeV** Times Cited: **17**
By: Chatrchyan, S.
Group Author(s): CMS collaboration
JHEP Volume: 08 Pages: 1141 Published: 2011
arXiv:11.07.4800 INSPIRE
17. **Description and performance of track and primary-vertex reconstruction with the CMS tracker** Times Cited: **162**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P10009 Published: OCT 2014
18. **Determination of jet energy calibration and transverse momentum resolution in CMS** Times Cited: **442**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
JOURNAL OF INSTRUMENTATION Volume: 6 Article Number: P11002 Published: NOV 2011
19. **The CMS experiment at the CERN LHC** Times Cited: **1,505**
By: Chatrchyan, S.; Hmayakyan, G.; Khachatryan, V.; et al.
Group Author(s): CMS Collaboration
JOURNAL OF INSTRUMENTATION Volume: 3 Article Number: S08004 Published: AUG 2008
20. **Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV** Times Cited: **63**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaborat
PHYSICAL REVIEW C Volume: 90 Issue: 2 Article Number: 024908 Published: AUG 18 2014
21. **Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions** Times Cited: **280**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
PHYSICS LETTERS B Volume: 724 Issue: 4-5 Pages: 213-240 Published: JUL 23 2013
22. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC** Times Cited: **378**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
PHYSICS LETTERS B Volume: 718 Issue: 3 Pages: 795-814 Published: JAN 8 2013
23. **Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV** Times Cited: **144**
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
Group Author(s): CMS Collaboration
PHYSICS LETTERS B Volume: 712 Issue: 3 Pages: 176-197 Published: JUN 6 2012
24. **Direct and indirect constraints on CP-violating Higgs-quark and Higgs-gluon interactions** Times Cited: **51**
By: Chien, Y. T.; Cirigliano, V.; Dekens, W.; et al.
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 011 Published: FEB 1 2016
25. **Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at p 2. 76 TeV** Times Cited: **6**
Group Author(s): CMS Collaboration
J. High Energy Phys Volume: 11 Article Number: 055 Published: 2016
26. **Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at p 2. 76 TeV** Times Cited: **19**
Group Author(s): CMS Collaboration
J. High Energy Phys Volume: 01 Article Number: 006 Published: 2016
27. **Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{sNN} = 5.02$ TeV** Times Cited: **4**
Group Author(s): CMS collaboration
JHEP Volume: 04 Article Number: 039 Published: 2017
INSPIRE
28. **Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{sNN} = 2.76$ TeV** Times Cited: **28**

Group Author(s): CMS collaboration

JHEP Volume: 10 Article Number: 087 Published: 2012
INSPIRE

29. **Long-range and short-range dihadron angular correlations in central PbPb collisions at a nucleon-nucleon center of mass energy of 2.76 TeV** Times Cited: **11**

Group Author(s): CMS collaboration

JHEP Volume: 07 Article Number: 076 Published: 2011
INSPIRE

30. **Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV**

Times Cited: **1**

Group Author(s): CMS collaboration

Phys, Lat. B Volume: 730 Pages: 243 Published: 2011
INSPIRE

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