



Report for red ALICE Mexico

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Asesores:

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Dr. Antonio Ortiz Velasquez (ICN-UNAM)



Results of the year

- Paper at JPhysG
- Paper proposal at ALICE
- Some other results



ALICE

Paper at J Phys G

Motivation for jet effects in pp

2. Revealing the source of the radial flow patterns in proton–proton collisions using hard probes

Antonio Ortiz (Mexico U., ICN), Gyula Bencedi (Mexico U., ICN & Wigner RCP, Budapest), Héctor Bello (Mexico U., ICN & Puebla U., Mexico).
pp.

Published in J.Phys. G44 (2017) no.6, 065001

DOI: [10.1088/1361-6471/aa6594](https://doi.org/10.1088/1361-6471/aa6594)

e-Print: [arXiv:1608.04784](https://arxiv.org/abs/1608.04784) [hep-ph] | [PDF](#)

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[ADS Abstract Service](#)

[Registro completo](#) - [Citado por 10 registros](#)

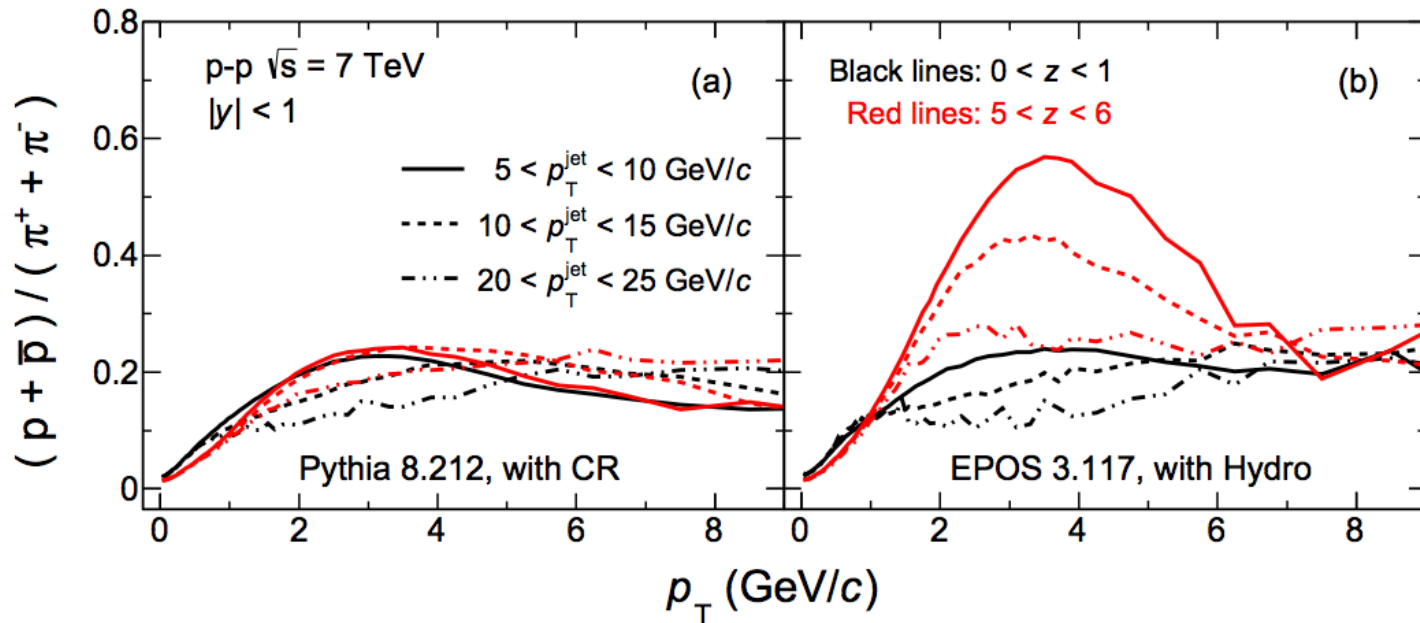




ALICE

Paper at J Phys G

Motivation for jet effects in pp



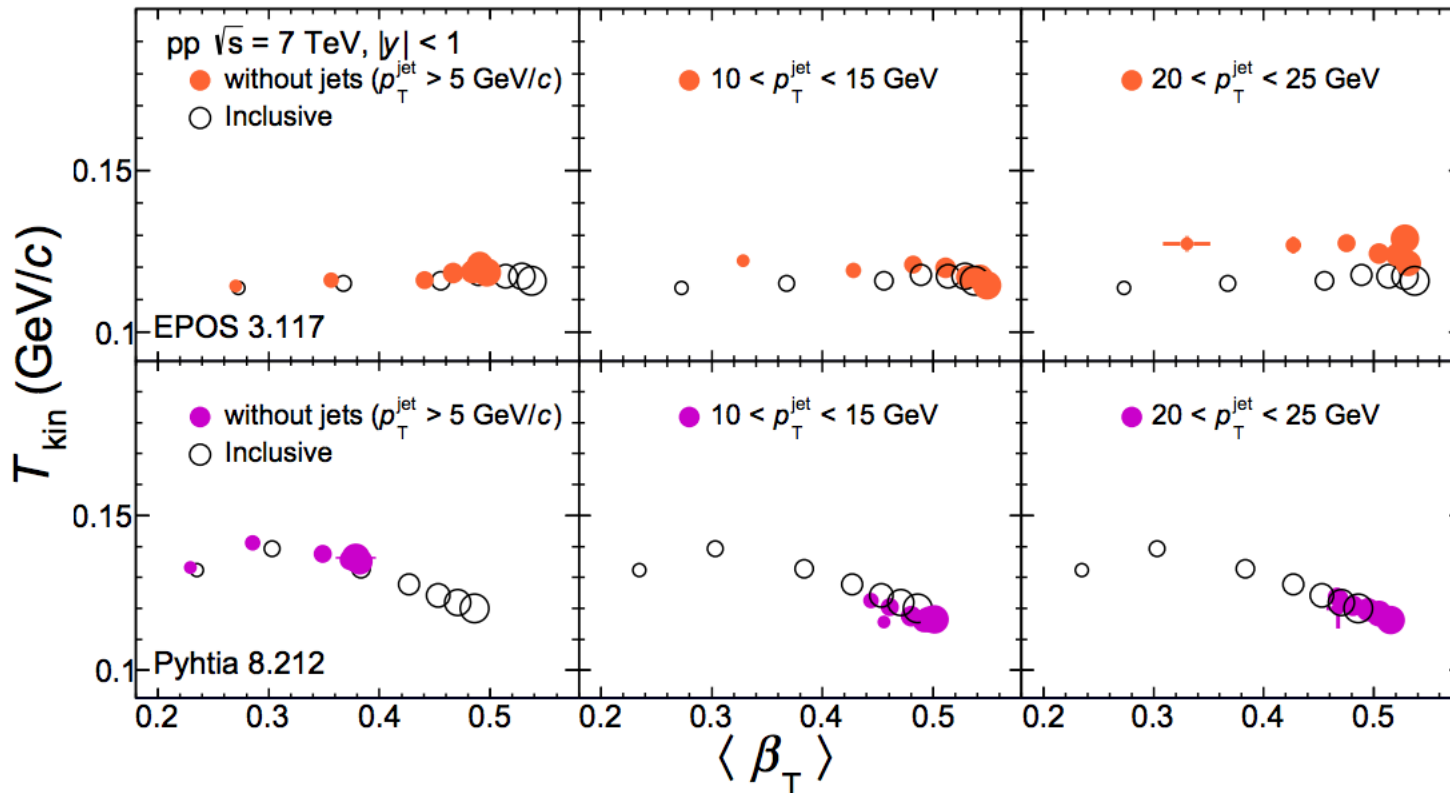


ALICE

Paper at J Phys G

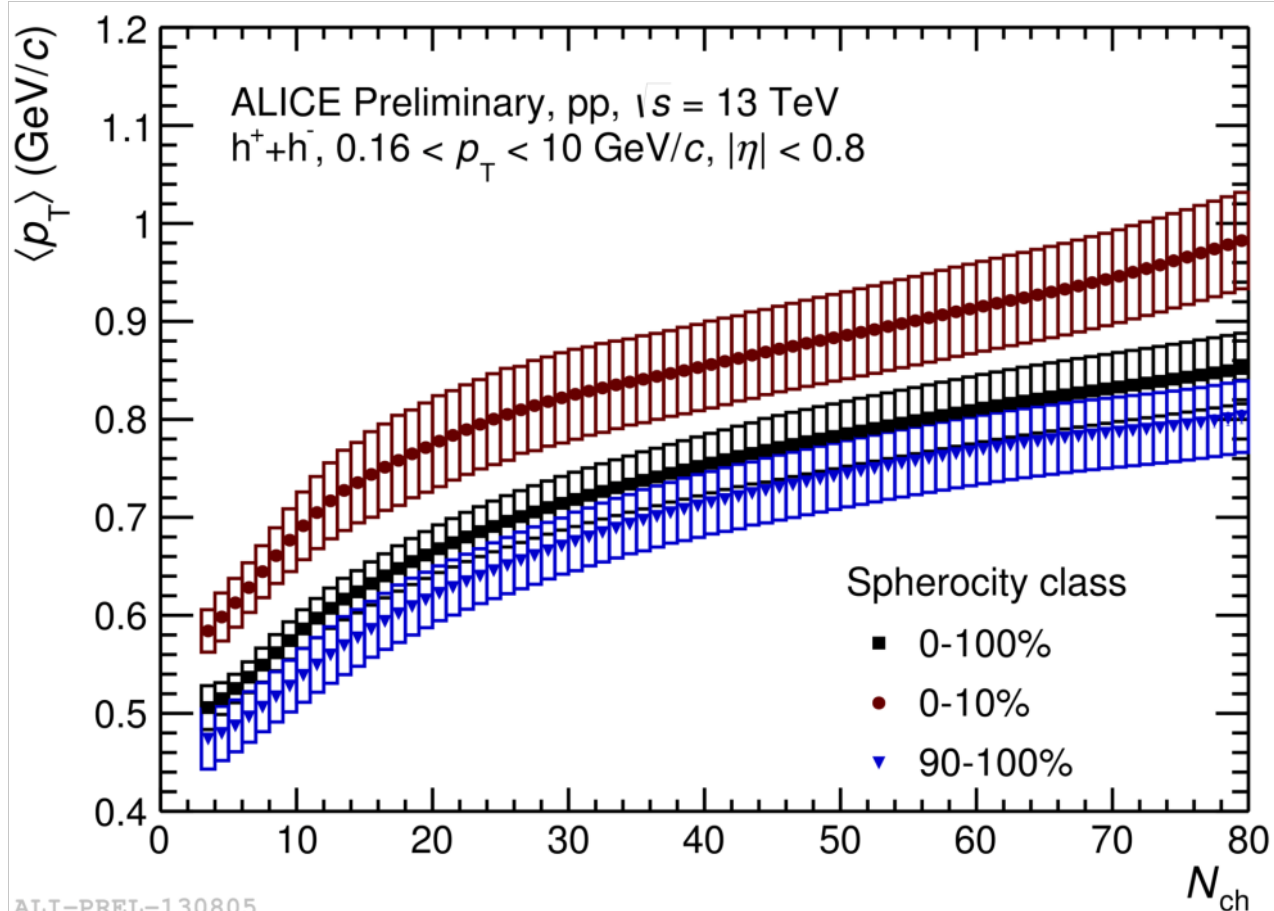
Motivation for jet effects in pp

$$\frac{dN}{p_T dp_T} \propto \int_0^R r dr m_T I_0 \left(\frac{p_T \sinh \rho}{T_{\text{kin}}} \right) K_1 \left(\frac{m_T \cosh \rho}{T_{\text{kin}}} \right)$$



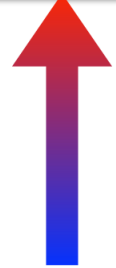
Paper proposal at ALICE

- Main results

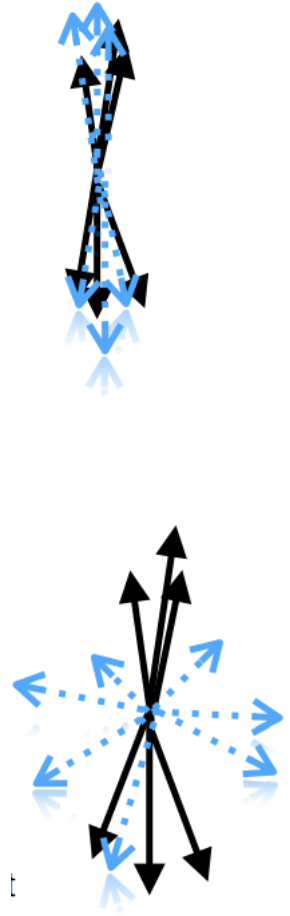


ALI-PREL-130805

Jetty

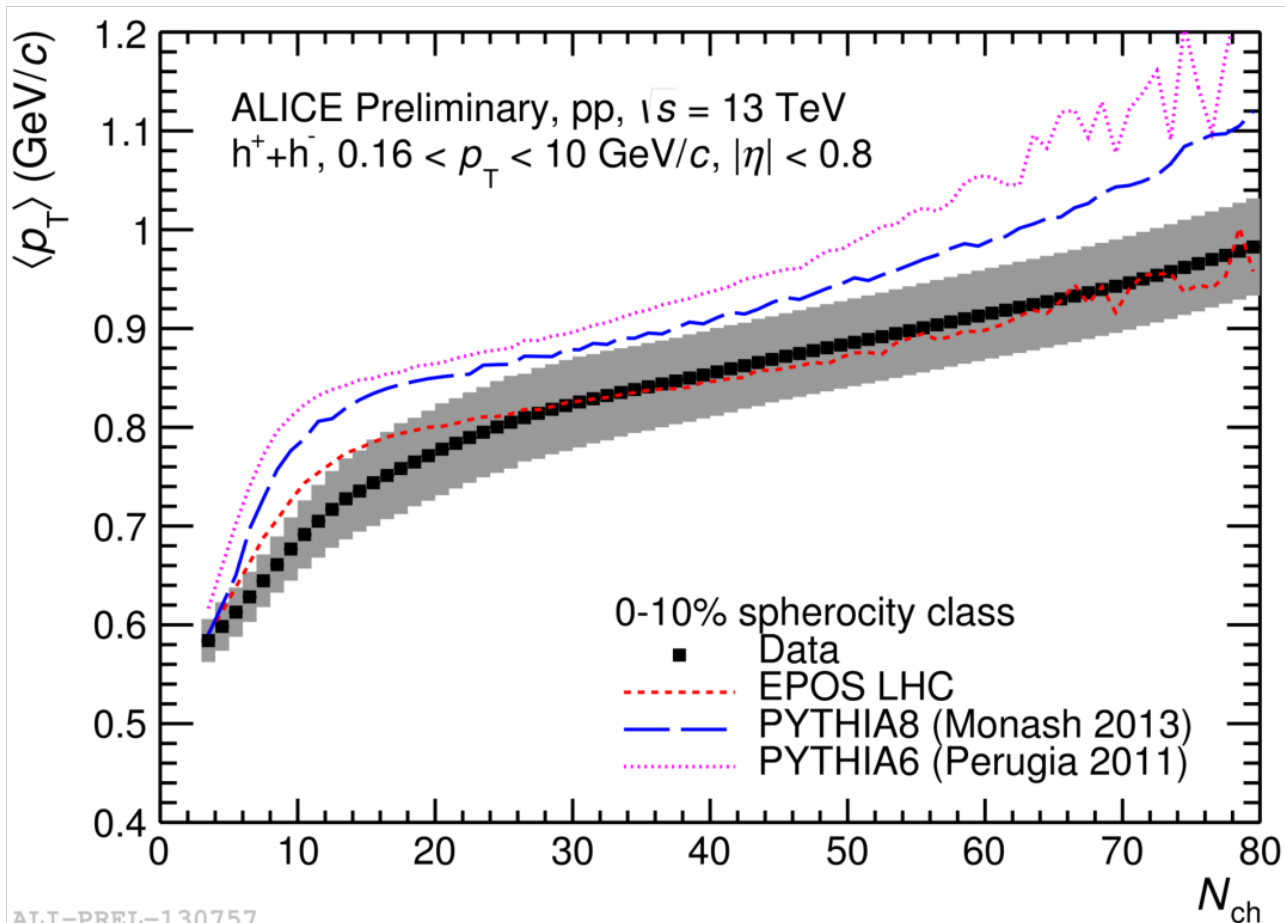


Isotropic



Paper proposal at ALICE

- Main results





ALICE

Some other results

- Presentations at:
 - annual meeting at DPyC (cd mexico,mx)
 - Initial Stages 2017 (krakow,pl)
 - 2nd QCD challenges (puebla,mx)
- Thesis writting is under corrections
(graduation expected in december)



ALICE

To do:

- Finish thesis writing.
- Apply to posdocs
- Proceed to help with the ALICE paper



ALICE

THANK YOU



I would rather have questions that
can't be answered than answers that
can't be questioned.

— *Richard P. Feynman* —

