



A Pb-Pb collision event in the ATLAS detector at the LHC with a highly asymmetric pair of jets. One of the jets lost energy as it traversed the hot, dense medium produced in the collision. Selected for an Editors' Suggestion and a Viewpoint in *Physics*. [G. Aad et al. (ATLAS Collaboration), *Phys. Rev. Lett.* **105**, 252303 (2010)]

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