

JKCS 041

JKCS 041 is a cluster of galaxies with the distinction, as of 2009, of being the farthest galaxy cluster observed from Earth.^[1] It is estimated to be 10.2 billion light years away,^[2] seen at redshift 1.9.^[3] The cluster is located in the constellation Cetus at a photometrically determined redshift of $z=1.9$ at right ascension $2^{\text{h}}\ 26^{\text{m}}\ 44^{\text{s}}$ declination $-04^{\circ}\ 41'\ 37''$ (J2000.0).^[4] There are at least 19 members in the cluster.^[2]

See also

- List of the most distant astronomical objects

References

- "'Most distant' galaxy group spied" (<http://news.bbc.co.uk/1/hi/england/bristol/8320570.stm>). *BBC News*. 22 October 2009. Retrieved 28 October 2009.
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- Nemiroff, R.; Bonnell, J., eds. (28 October 2009). "JKCS041: The Farthest Galaxy Cluster Yet Measured" (<https://apod.nasa.gov/apod/ap091028.html>). *Astronomy Picture of the Day*. NASA. Retrieved 28 October 2009.
- Andreon S, Maughan B, Trinchieri G, Kurk J (November 2009). "JKCS 041: a colour-detected galaxy cluster at $z_{\text{phot}}\sim 1.9$ with deep potential well as confirmed by X-ray data". *Astronomy & Astrophysics*. **507** (1): 147–157. arXiv:0812.1699 (<https://arxiv.org/abs/0812.1699>). Bibcode:2009A&A...507..147A (<https://ui.adsabs.harvard.edu/abs/2009A&A...507..147A>). doi:10.1051/0004-6361/200912299 (<https://doi.org/10.1051/0004-6361/200912299>). S2CID 17106494 (<https://api.semanticscholar.org/CorpusID:17106494>).



JKCS 041 (Chandra X-ray)



Tour of JKCS041

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