

2012 And The Galactic Center The Return Of The Great Mother

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2012 And The Galactic Center

The Galactic Center and 2012 - Shenjiva

The Galactic Center and 2012 David Tresemer, PhD [wwwStarWisdomorg](#) from The Journal for Star Wisdom 2010 Many versions of the following statement have appeared: "the Sun will intersect the Galactic Center on December 21, 2012, signaling the end of the world!!" Let us separate some fact from

The Galactic Center

The Galactic Center a unique laboratory for studying massive black holes Reinhard Genzel MPE on behalf of the ESO Galactic Center community (MPE, MPIA, UCologne, Observatoire de Paris, Granada, MPIfR, and ESO)

Galactic Center: Prospects for Fermi/Gamma-ray Astronomy

Galactic Center: Prospects for Fermi/Gamma-ray Astronomy Frederick K Baganoff MIT Kavli Institute for Astrophysics and Space Research 2012 October 30

Understanding High Energy Emission from the Galactic ...

Understanding High Energy Emission from the Galactic Center: 3 Convincing Stories Tim Linden UC - Santa Cruz 4th International Fermi Symposium November 2, 2012 with Dan Hooper, Elizabeth Lovegrove, Stefano Profumo and Farhad Yusef-Zadeh Friday, November 2, 2012

End of the World 2012 Book: The Latest Up-To-Date ...

the Galactic Center, and the December 21 2012 Mayan Prophecies?will the World End in 2012? (Paperback) Filesize: 197 MB Reviews I actually started out reading this pdf Of course, it really is play, continue to an interesting and amazing literature I realized this pdf ...

The Galactic Center as a Paradigm for Low Luminosity Nuclei?

comparison to the Galactic Center will also be fruitful for the investigations of the fueling of central black holes and nuclear star formation on more luminous nearby AGN (eg Smajic et al 2012, Fischer et al 2012, Bremer et al 2012, Valencia-S et al 2012, Scharwächter et al 2011, Vitale et al 2012)

2 Building Blocks of a Nucleus

Gamma-Rays from the Galactic Center: Dark Matter or ...

The J-Factor of the Galactic Center Ackermann et al 2012 Ackermann et al 2010 Dwarfs Clusters • Corresponds to the relative annihilation rate of the region compared to other astrophysical sources • The J-factor of the galactic center is approximately: $\log_{10}(J) = 2391$ for a region within 100 pc of the Galactic center and an NFW profile

FOSSIL IMPRINT OF A POWERFUL FLARE AT THE GALACTIC ...

stars trailing behind the Magellanic Clouds, passing over the south Galactic pole (SGP) at a distance of at least 50–100 kpc from the Galactic center Several groups have detected faint H α emission along the Magellanic Stream ($11 \pm 03 \times 10^{-18}$ erg cm $^{-2}$ s $^{-1}$ arcsec $^{-2}$) which is a factor of five too bright to have been produced by the

A geometric distance measurement to the Galactic Center ...

Galactic center - general relativity - black holes 1 Introduction Measuring distances is a key challenge in astronomy While many distance estimators rely on secondary calibration methods, there are a few methods that are the basis for the whole distance ladder These methods all compare an angular scale on sky with a size known in

DISCOVERY OF THE PIGTAIL MOLECULAR CLOUD IN THE ...

discovery of the pigtail molecular cloud in the galactic center Shinji Matsumura 1 , Tomoharu Oka , Kunihiro Tanaka , Makoto Nagai 2 , Kazuhisa Kamegai 3 , and Tetsuo Hasegawa 4 1 Institute of Science and Technology, Keio University, 3-14-1 Hiyoshi, Yokohama, Kanagawa 223-8522, Japan

Spectral analysis of the Galactic Center emission at very ...

2 HESS observations of the Galactic Center from 2004 to 2012 21 Dataset and data analysis The HESS (High Energy Stereoscopic System) array of Cherenkov telescopes is located in the Khomas Highlands of Namibia at an altitude of 1800 m The phase-I system consists of four identical imaging atmospheric Cherenkov telescopes

The Galactic Center

The gas cloud 'G2' on its way to the Galactic Center Black Hole Gillessen et al 2012 Nature 481,51, Gillessen et al 2013 ApJ 763, 71, et al 2013b, Burkert et al 2012, Schartmann et al 2012 Disruption as in the textbook Gillessen et al 2013b Disruption as in the textbook Gillessen et al 2013b peri 20 lh = $2e15$ cm = 1800 R S

Probing the Gas Density in our Galactic Center: Moving ...

the ambient medium (Narayan et al 2012; Crumley & Ku-mar 2013) However, no significant change in the radio flux from the Galactic Center has been observed during the peri-center passage of the cloud (Bower et al 2015) In this paper we present a detailed model for the evolution and Br emission of the gas cloud model that combines

IONIZED GAS IN THE GALACTIC CENTER: NEW ...

major galactic nucleus, our Galactic center provides the best opportunity to observe the interaction of stars and gas with a supermassive black hole (SMBH) Numerous authors have reviewed the contents and phenomena found in the Galactic center Morris & Serabyn (1996), Mezger et al (1996), and

Very-high energy observations of the Galactic center ...

Very-high energy observations of the Galactic center region by VERITAS in 2010-2012 Last Updated Friday, 18 July 2014 06:36 with moderate

significance by ...

The - PHYSICS @ SMU

The Galactic Center is about here: X Here is a sky chart showing the sun on the morning of 21 Dec, 2012 The line marking the Ecliptic is green, and the Galactic Equator is violet The 2012 Galactic Alignment: How rare is it? The Galactic Center is about here: X Here is a sky chart showing the sun on the same day, three years

Nexus 2012 - Project Camelot

On 21 Dec 2012, 11:11 AM Universal Time (that people refer to Zero Time Point), our sun and our planet will be at perfect alignment with the Galactic center It is interesting that on the same day, when the ecliptic of our solar system will intersect with the Galactic plane, the sun should be at its solar maximum!

The 2012 prophecy - beforeus.com

December 21, in 2012, five things should be noted: 1 Our solar system is part of the Milky Way galaxy The Milky Way band cuts across our star charts The exact center of this Milky Way band is known as the "Galactic Equator" (not to be confused with the Galactic Center) 2 If the stars could be seen in daytime, the sun, moon and

Dark Matter Annihilation at the Galactic Center

41, 6 pp (2012)), \Exploring the Nature of the Galactic Center -Ray Source with the Cherenkov Telescope Array" with Stefano Profumo (The Astrophysical Journal, Volume 760, Issue 1, article id 23, 7 pp (2012)) and \Dark Matter and Synchrotron Emission from Galactic Center Radio Filaments" with Dan Hooper and Farhad Yusef-Zadeh (The Astro-

2012: Shadow of the Dark Rift - Phys.org

2012: Shadow of the Dark Rift 22 December 2011, By Francis Reddy Thick dust clouds block our night-time view of the Milky Way, creating what is sometimes called the Dark Rift