

2012 And The Galactic Center The Return Of The Great Mother

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2012 And The Galactic Center

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)

The Galactic Center and 2012 - Shenjiva

The Galactic Center and 2012 David Tresemer, PhD [www.StarWisdom.org](#) 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

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

ALMA Observations of the Galactic Center: SiO Outflows ...

Sgr A* as well as to AGNs with megamaser disks (Wardle and Yusef-Zadeh 2008; 2012) The Galactic center provides an opportunity for testing models of stellar birth with far reaching implications on the nature of star formation in the nuclei of galaxies hosting massive black holes

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

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

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

ASTE CO J 3-2 SURVEY OF THE GALACTIC CENTER

CMZ (eg, Jones et al 2012, and references therein) Molecular gas in the CMZ is higher in temperature and density than that in the Galactic disk and shows highly complex distribution and kinematics as well as a variety of peculiar features (eg, Oka et al 1998b, and references therein) Molecular clouds

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

the ambient medium (Narayan et al 2012; Crumley & Kumar 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

Investigating the Relativistic Motion of the Stars Near ...

The S-star cluster in the Galactic center allows us to study the physics close to a supermassive black hole, including distinctive dynamical tests of general relativity Our best estimates for the mass of and the distance to Sgr A* using the three stars with the shortest period (S2, S38, and S55/S0-102) and Newtonian models are $M_{BH} =$

Swift J174540.7-290015: a new accreting binary in the ...

We report on the identification of the new Galactic Center (GC) transient Swift J1745407-290015 as a likely low mass X-ray binary (LMXB) located at only 16 arcsec from Sgr A This transient was detected on 2016 February 6th during the Swift GC monitoring, and it showed long-term spectral variations compatible with a hard to soft state transition

Galactic center research: manifestations of the central ...

Galactic center research: manifestations of the central black hole View the table of contents for this issue, or go to the journal homepage for more Research in Astron Astrophys 2012 Vol 12

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 Galactic Center - edX

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 = 2×10^{15} cm = 1800 R_S

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

Milky Way Galaxy - Texas A&M University

Galactic Coordinates The Galactic Coordinate system is a spherical coordinate system defined by two angular coordinates l and b $b \in [-90^\circ, +90^\circ]$, and $l \in [0^\circ, 360^\circ]$ Center is at the Earth Galactic Plane is the plane of the Galactic Disk NGP = North Galactic Pole Galactic center has coordinates $l=0^\circ$ and $b=0^\circ$ Monday, August 20, 2012

Galactic center science with SOFIA

Galactic center science with SOFIA Jesus Martin-Pintado Centro de Astrobiología (INTA-CSIC), Spain 16-18 march 2015 Spectroscopy with SOFIA, Ringberg 1

Soul2Soul Educare presents: Slide 1: Play before ppl ...

Slide 5: 2012 also marks the end of: • a 26 million year Earth cycle • a 78,000 year Earth cycle • the close of the 26,000 year Mayan Calendar Slide 6: The Mayans described this alignment as a kind of cosmic intercourse between Father Sun and the Great Mother of Galactic Center that Click will birth all of creation into a new reality