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Biography

Dr. Bassem Sabra has a Ph.D. in Physics (astrophysics) from Ohio University, USA. His field of research is active galactic nuclei. His research is published in top-ranked astrophysics journals. He has taught physics and astrophysics courses varying from the Freshman to the graduate levels. He has extensive experience in curriculum development and outcomes assessment. He served as the first chairperson of the Dept. of Physics & Astronomy at NDU from October 2010 to September 2016.

Peer-reviewed Journals

International

- "Variability of the soft X-ray excess in IRAS 13224-3809," Kammoun, E. S., Papadakis, I. E., & Sabra, B. M., 2015, *Astronomy & Astrophysics (A&A)*, 582, pp. 40-47 (Europe)
- "The Blackhole-Dark Matter Connection," Sabra, B. M., Saliba, C., Abi Akl, M., & Chahine, G., 2015, *Astrophysics Journal (ApJ)*, 803, pp. 5-13 (USA)
- "On the Nature of the Hot Component in the Symbiotic, Supersoft X-Ray Binary AG Draconis," Sion, E. M., Moreno, J., Godon, P., Sabra, B. M.; Mikolajewska, J. 2012, *Astronomical Journal (AJ)*, 144, pp. 171-175 (USA)
- "Study of LINERs with Broad H α Emission. Spectral Energy Distribution and Multiwavelength Correlations," Younes, G., Porquet, D., Sabra, B. M., Reeves, J. N., & Grosso, N. 2012, *A&A*, vol. 539, pp. 104-128 (Europe)
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- "An X-ray Study of the Dipping Low-mass X-ray Binary XTE J1710-281," Younes, G., Boirin, L., & Sabra, B. M. 2009, *A&A*, vol. 502, pp. 905-912 (Europe)
- "Hubble Space Telescope Ultraviolet Spectroscopy of 14 Low-redshift Quasars," Ganguly et al. (+40 coauthors including Sabra, B. M.) 2007, *AJ*, vol. 133, pp. 479-486 (USA)
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- "Emission and Absorption in the M87 LINER," Sabra, B. M., Shields, J. C., Ho, L.C., Barth, A., & Filippenko, A. V. 2003, *ApJ*, vol. 584, pp. 164-175 (USA)
- "PG 1254+047: An X-ray Weak, Heavily Absorbed BALQSO?," Sabra, B. M., & Hamann, F. 2001, *ApJ*, 563, 555-559 (USA).
- "Emission-Line Properties of the Optical Filaments of NGC 1275," Sabra, B. M., Shields, J. C., & Filippenko, A. V. 2000, *ApJ*, 545, 157-170 (USA)

Peer-reviewed Conference Proceedings

Regional

- "Accretion in LINERs??", Sabra, B. M. 2012, African Skies, vol. 16, pp 50-55, Proceedings of the 2nd MEARIM, Cape Town, South Africa (Invited; International Astronomical Union Regional Meeting)
- "Long-Term Monitoring of Active Stars: The Lebanese Observers Group," Hajjar, R., Sabra, B. M., Bittar, J., & El-Eid, M., 2009, in Proceedings of the 1st MEARIM, A. Hady & M.I. Wanas Eds, Cairo University Press, p. 245 (International Astronomical Union Regional Meeting; Egypt)

International

- "Constraining the Accretion Mode in LINER 1.9s," Sabra, B. M., Der Sahaguian, E., & Badr, E. 2016, Bulletin of American Astronomical Society (BAAS), 227, 243.11 (USA)
- "Energetic Phenomena in the nucleus of NGC 3507," Shields, J. C., Filippenko, A. V., Ho, L. C., Sabra, B. M., & Sarzi, M. 2009, BAAS, vol. 41, p.238 (USA)
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- "Quasar Elemental Abundances and Host Galaxy Evolution," Hamann, F, Dietrich, M., & Sabra, B. M., & Warner, C. 2004 in Origin and Evolution of Elements, eds. A. McWilliam and M. Rauch, proceedings for Carnegie Observatories Astrophysics Series, Cam. Univ. Press, vol. 4, pp. 440-454 (USA)
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- "X-ray Absorption Associated with High-Velocity UV Absorbers," Sabra, B. M., Hamann, F., Shields, J. C., George, I. M., & Jannuzi, B. 2002 in Mass Outflows in Active Galactic Nuclei: New Perspectives, ASP Conf. Series, eds. D. M. Crenshaw, S. B. Kraemer, I. M. George, vol. 255, p. 61 (USA)
- "Ultraviolet Absorption in LINERS," Shields, J. C., Sabra, B. M., Ho, L.C., Barth, A., & Filippenko, A. V. 2002 in Mass Outflows in Active Galactic Nuclei: New Perspectives, ASP Conf. Series, eds. D. M. Crenshaw, S. B. Kraemer, I. M. George, vol. 255, p. 105 (USA)
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- "Optical/UV Spectroscopy of the LINER in NGC 3507," Shields, J. C., Sabra, B. M., Ho, L.C., Barth, A., & Filippenko, A. V. 2000, BAAS, vol. 32, p. 1589 (USA)
- "Emission-Line Properties of Cooling Flow Filaments," Sabra, B. M., Shields, J. C., & Filippenko, A. V. 2000, BAAS, vol. 31, p.1516 (USA)
- "Physical Properties of the Optical Filaments in NGC 1275," Sabra, B. M., Shields, J. C., & Filippenko, A. V. 1999, BAAS, vol. 31, p. 892 (USA)