

# Publications of the Infrared-Astronomy Group

## Max Planck Institute for Radio Astronomy

### 2011

#### Refereed and Invited Papers

- Abreu, P., 470 Authors including Biermann, P. L., Caramete, L., Curutiu, A., Dutan, I.: Advanced functionality for radio analysis in the offline software framework of the Pierre Auger Observatory. *Nuclear Instruments and Methods in Physics Research Section A* **635**, 92-102 (2011).
- Abreu, P., 484 Authors including Biermann, P. L., Caramete, L., Curutiu, A., Dutan, I.: The exposure of the hybrid detector of the Pierre Auger Observatory. *Astroparticle Physics* **34**, 368-381 (2011).
- Abreu, P., 501 Authors including Biermann, P. L., Caramete, L., Curutiu, A., Dutan, I.: The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. *Journal of Cosmology and Astroparticle Physics* **11**, 022 (2011).
- Abreu, P.; 502 Authors including Biermann, P. L., Caramete, L., Curutiu, A., Dutan, I.: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. *Physical Review D* **84**, (12) 122005 (2011).
- Antonucci, S., García López, R., Nisini, B., Giannini, T., Lorenzetti, D., Eisloffel, J., Bacciotti, F., Cabrit, S., Caratti o Garatti, A., Dougados, C., Ray, T.: POISSON project. I. Emission lines as accretion tracers in young stellar objects: results from observations of Chamaeleon I and II sources. *A&A* **534**, A32 (2011).
- Apel, W. D., 61 Authors including Biermann, P. L., Zensus, J. A.: Thunderstorm observations by air-shower radio antenna arrays. *Advances in Space Research* **48**, 1295-1303 (2011).
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- Becker, J. K., Meli, A. Biermann, P. L.: Neutrinos from photo-hadronic interactions in Pks2155-304. *Nuclear Instruments and Methods in Physics Research Section A* **630**, Issue 1, p. 269-272 (2011).
- Benisty, M., Renard, S., Natta, A., Berger, J. P., Massi, F., Malbet, F., Garcia, P. J. V., Isella, A., Mérand, A., Monin, J. L., Testi, L., Thiébaud, E., Vannier, M., Weigelt, G.: A low optical depth region in the inner disk of the Herbig Ae star HR 5999. *A&A* **531**, A84 (2011).
- Biermann, P. L., Becker, J. K., Caramete, L. I., Frascchetti, F., Kneiske, T., Meli, A., Stanev, T.: Photon and neutrino emission from active galactic nuclei. *Nuclear Physics B Proceedings Supplements* **217**, 284-286 (2011).
- Biermann, P. L., Clavelli, L.: Supersymmetric model for triggering supernova Ia in isolated white dwarfs. *Physical Review D* **84**, 023001 (2011).
- Borges Fernandes, M., Meilland, A., Bendjoya, P., Domiciano de Souza, A., Niccolini, G., Chesneau, O., Millour, F., Spang, A., Stee, P., Kraus, M.: The galactic unclassified B[e] star HD 50138. II. Interferometric constraints on the close circumstellar environment. *A&A.* **528**, A20 (2011).
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