

**W. Hofmann**  
**20 Publications**  
February 2015

### **Publications in refereed journals**

1. H.E.S.S. collaboration, A. Abramowski et al.  
The exceptionally powerful TeV gamma-ray emitters in the Large Magellanic Cloud  
*Science* 347 (2015) 406
2. GERDA Collaboration, M. Agostini et al.  
Results on neutrinoless double beta decay of  $^{76}\text{Ge}$  from GERDA Phase I  
*Phys. Rev. Lett.* 111 (2013) 122503
3. H.E.S.S. collaboration, A. Abramowski et al.  
Search for photon line-like signatures from Dark Matter annihilations with H.E.S.S.  
*Phys. Rev. Lett.* 110 (2013) 041301
4. CTA Consortium, M. Actis et al.  
Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for  
ground-based high-energy gamma-ray astronomy  
*Experimental Astronomy* 32 (2011) 193
5. H.E.S.S. collaboration, A. Abramowski et al.  
Search for a Dark Matter annihilation signal from the Galactic Center halo with  
H.E.S.S.  
*Phys. Rev. Lett.* 106 (2011) 161301
6. H.E.S.S. collaboration, F. Acero et al.  
Localizing the VHE gamma-ray source at the Galactic Centre  
*Monthly Notices Royal Astronomical Society* 402 (2010) 1877-1882
7. J. Hinton, W. Hofmann  
Teraelectronvolt astronomy  
*Annual Review of Astronomy and Astrophysics* 47 (2009) 523
8. H.E.S.S. collaboration, F. Acero et al.  
Detection of gamma rays from a Starburst Galaxy  
*Science* 326 (2009) 1080-1082
9. H.E.S.S. collaboration, F. Aharonian et al.  
The energy spectrum of cosmic-ray electrons at TeV energies  
*Phys. Rev. Lett.* 101 (2008) 261104
10. H.E.S.S. collaboration, F. Aharonian et al.  
Limits on an energy dependence of the speed of light from a flare of the active galaxy  
PKS 2155-304  
*Phys. Rev. Lett.* 101 (20078) 170402

11. H.E.S.S. collaboration, F. Aharonian et al.  
An exceptional VHE gamma-ray flare of PKS 2155-304  
*Astrophys. Journal Lett.* 664 (2007) L71
12. H.E.S.S. collaboration, F. Aharonian et al.  
Primary particle acceleration above 100 TeV in the shell-type supernova remnant  
RX J1713.7-3946 with deep H.E.S.S. observations  
*Astron. & Astrophys.* 464 (2007) 235; Err. 531 (2011) C1
13. H.E.S.S. collaboration, F. Aharonian et al.  
H.E.S.S. observations of the Galactic Center region and their possible dark matter  
interpretation  
*Phys. Rev. Lett.* 97 (2006) 221102
14. H.E.S.S. collaboration, F. Aharonian et al.  
Fast variability of Tera-Electron Volt gamma-rays from the radio galaxy M87  
*Science* 314 (2006) 1424
15. H.E.S.S. collaboration, F. Aharonian et al.  
A low level of extragalactic background light as revealed by gamma-rays from blazars  
*Nature* 440 (2006) 1018
16. H.E.S.S. collaboration, F. Aharonian et al.  
Discovery of very-high-energy gamma-rays from the Galactic Centre ridge  
*Nature* 439 (2006) 695
17. H.E.S.S. collaboration, F. Aharonian et al.  
The H.E.S.S. survey of the Inner Galaxy in very high-energy gamma-rays  
*Astrophys. Journal* 636 (2006) 777
18. H.E.S.S. collaboration, F. Aharonian et al.  
A new population of very high energy gamma-ray sources in the Milky Way  
*Science* 307 (2005) 1938
19. H.E.S.S. Collaboration, F.A. Aharonian et al.  
High-energy particle acceleration in the shell of a supernova remnant  
*Nature* 432 (2004) 75
20. H.E.S.S. Collaboration, F.A. Aharonian et al.  
Very high energy gamma rays from the direction of Sagittarius A\*  
*Astron. & Astrophys.* 425 (2004) L13