

## **Curriculum Vitae of Prof. Dr. Masahiro Teshima**

Date of birth: Feb 9, 1958  
Place of birth: Tottori, Japan  
Marital status: Married, 2 Children  
Nationality: Japan

### **Education:**

1981 B. Sc. Kyoto University, Kyoto, Japan (Physics)  
1983 M. Sc. Kyoto University, Kyoto, Japan (Physics)  
1986 Ph. D. Kyoto University, Kyoto, Japan (Physics)

### **Experience in Research:**

1986-1987	Post Doctoral Fellow	Institute for Cosmic Ray Research, University of Tokyo, Japan
1987-1989	Assistant Professor	Department of Physics, Tokyo Institute of Technology, Japan
1989-2002	Associate Professor	Institute for Cosmic Ray Research, University of Tokyo, Japan
1992-1998	Visiting researcher	Phys. Dept. University of Utah, USA
1998-2002	Director	Akeno Observatory Institute for Cosmic Ray Research, University of Tokyo, Japan
2003-	Director, Professor	Max-Planck-Institute for Physics
1994-1999	Spokesperson of the Utah (Cherenkov) Telescope Array collaboration	
1998-2004	Spokesperson of the AGASA collaboration	
2005-	Spokesperson of the MAGIC collaboration	

### **Honours:**

1993 Shakti P. Duggal Award, 23rd International Cosmic Ray Conference, Calgary, Canada

### **Selected Publications:**

- Discovery of Very High Energy gamma-rays from 1ES1011+496 at  $z=0.212$   
J. Albert et al., *Astrophys. J. Lett.* 667 (2007) L21
- VHE Gamma-Ray Observation of the Crab Nebula and Pulsar with MAGIC  
J. Albert et al., *Astrophys. J.* 674 (2008) 1037
- Discovery of VHE Gamma Radiation from IC 443 with the MAGIC Telescope  
J. Albert et al., *ApJ Lett.* 664 (2007) L87
- Variable VHE gamma-ray emission from Markarian 501  
J. Albert et al., *ApJ* 669 (2007) 862
- Discovery of Very High Energy Gamma-Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae,  
J. Albert et al., *ApJ Lett.* 666 (2007) L17
- Very High Energy Gamma-Ray Radiation From The Stellar-Mass Black Hole Cygnus X-1,  
J. Albert et al., *Astrophys. J. Lett.* 665 (2007) L51
- Observations of Mkn 421 with the MAGIC Telescope,  
J. Albert et al., *ApJ* 663 (2007) 125
- Observation of very high energy gamma rays from the AGN 1ES 2344+514 in a low emission state with the MAGIC telescope,  
J. Albert et al., *ApJ* 662 (2007) 892
- Detection of VHE radiation from the BL Lac PG 1553+113 with the MAGIC telescope,  
J. Albert et al., *ApJ Letters* 654 (2007) L119 - L122
- Discovery of very high energy gamma-rays from Markarian 180 triggered by an optical outburst,  
J. Albert et al., *ApJ Letters* 648 (2006) L105 – 108.
- Variable Very High Energy Gamma-ray Emission from the Microquasar LSI +61 303,  
J. Albert et al., *Science* 312, 1771 (2006)
- Discovery of VHE gamma-ray emission from 1ES1218+30.4,  
J. Albert et al., *ApJ Letters* 642, L119 (2006)
- Observation of VHE gamma radiation from HESS J1834-087/W41 with the MAGIC telescope,  
J. Albert et al., *ApJ Letters* 643, L53 (2006)

- Flux upper limit of gamma-ray emission by GRB050713a from MAGIC Telescope observations,  
J. Albert et al., ApJ Letters 641, L9 (2006)
- Observation of Gamma Rays from the Galactic Center with the MAGIC telescope,  
J. Albert et al., ApJ Letters 638, L101 (2006)
- Observation of VHE gamma-ray emission from the Active Galactic Nucleus 1ES1959+650 using  
the MAGIC telescope,  
J. Albert et al., ApJ 639 (2006) 761-765
- Energy Determination in the Akeno Giant Air Shower Array Experiment,  
M. Takeda et al., Astropart. Phys. 19:447-462, 2003
- Upper limit on gamma-ray flux above  $10^{19}$ -eV estimated by the Akeno Giant Air Shower  
Array experiment.  
K. Shinozaki et al. 2002. Astrophys. J. 571: L117-L120, 2002
- Cluster analysis of extremely high energy cosmic rays in the northern sky  
Y. Uchihori et al., Astropart. Phys. 13 (2000) 151-160
- Small-Scale Anisotropy of Cosmic Rays Above  $10^{19}$  eV Observed with the Akeno Giant Air  
Shower Array.  
M. Takeda et al., Astrophys. J. 522 (1999) 225-237
- The Anisotropy of Cosmic Ray Arrival Directions around  $10^{18}$  eV,  
N. Hayashida et al., Astropart. Phys. 10 (1999) 303-311
- Extension of the Cosmic-Ray Energy Spectrum Beyond the Predicted Greisen-Zatsepin-Kuz'min  
Cutoff  
M. Takeda et al., Phys. Rev. Letters 81 (1998) 1163-1166
- Possible Clustering of the Most Energetic Cosmic Rays within a Limited Space Angle Observed  
by Akeno Giant Air Shower Array  
N. Hayashida et al., Phys. Rev. Lett. 77 (1996) 1000-1003
- Observation of a Very Energetic Cosmic Ray Well Beyond the Predicted 2.7K Cutoff in the  
Primary Energy Spectrum  
N. Hayashida et al., Phys. Rev. Letters 73 (1994) 3491-3494
- Energy Spectrum of Ultra-High Energy Cosmic Rays with Extra-Galactic Origin  
S. Yoshida and M. Teshima, Prog. Theor. Phys. 89, 833 (1993)