Lawrence Wiencke Publications (Last Updated Sept 20th 2011)

Refereed Journals


16. “Atmospheric effects on extensive air showers observed with the Surface Detector of the Pierre Auger Observatory”, J. Abraham et al. (The Pierre Auger Collaboration) Astroparticle Physics 32 (2009), 89.


23. “Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei” J. Abraham et al., Pierre Auger Collaboration, Astroparticle Physics 29 (2008), 188.


27. “Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory,” J. Abraham et al. [Pierre Auger Collaboration], Astroparticle Physics 27 (2007) 244.


Published in conference proceedings


25. “Cosmic Ray Energy Spectrum Measured by the Pierre Auger Observatory” 4-Corners APS Meeting Oct 23\textsuperscript{nd} 2009


27. “Energy calibration of data recorded with the surface detectors of the Pierre Auger Observatory” The Pierre Auger Collaboration Proc. 31\textsuperscript{st} International Cosmic Ray Conference, Poland (2009)


32. “Atmospheric Monitoring and its Use in Air Shower Analysis at the Pierre Auger Observatory” The Pierre Auger Collaboration Proc. 31\textsuperscript{st} International Cosmic Ray Conference, Poland (2009)

34. “Atmospheric effects on extensive air showers observed with the array of surface detectors of the Pierre Auger Observatory” The Pierre Auger Collaboration Proc. 31st International Cosmic Ray Conference, Poland (2009)


56. “Study of the Cosmic Ray Composition above 0.4 EeV using the Longitudinal Profiles of Showers observed at the Pierre Auger Observatory” The Pierre Auger Collaboration Proc. 30st International Cosmic Ray Conference, Mexico (2007)


Invited Talks


3. “Overview of the atmospheric monitoring program of the Pierre Auger Observatory”, Interdisciplinary Science at the Pierre Auger Observatory (IS@AO), Cambridge, UK April 17th 2011.

4. “Future Plans at the Pierre Auger Observatory”, Interdisciplinary Science at the Pierre Auger Observatory (IS@AO), Cambridge, UK April 18th 2011.


7. “Pierre Auger Observatory: Recent Results and Future Plans” SLAC Summer Institute, August 3rd 2009.


9. “Recent Results from the Pierre Auger Observatory”, Colloquium, Department of Physics, Colorado School of Mines, Jan. 22nd 2008.

10. “Atmospheric Calorimetry above 10^{19} eV: Shooting Lasers at the Pierre Auger Observatory” May 28, 2008 International Calorimetry Conference (CALOR), Pavia Italy.


