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## Galactic Cosmic-Ray Composition and Spectra for Ne through Ni from 0.8 to 10 GeV/nuc with the SuperTIGER Instrument

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SuperTIGER (Trans-Iron Galactic Element Recorder) is a large-area balloon-borne instrument built to measure the galactic cosmic-ray abundances of elements from  $Z=10$  (Ne) through  $Z=56$  (Ba) at energies from 0.8 to  $\sim 10$  GeV/nuc. SuperTIGER successfully flew around Antarctica for a record-breaking 55 days, from December 8, 2012 to February 1, 2013. In this paper, we present results of an analysis of the data taken during the flight for elements from  $Z=10$  (Ne) to  $Z=28$  (Ni). We report excellent charge separation throughout this range, with an Fe charge resolution of 0.16. We will compare our galactic element abundance measurements, secondary to primary ratios (e.g.  $(\text{Si}+\text{Ti}+\text{V})/\text{Fe}$ ), and energy spectra with those from other instruments operating at different energy ranges.

### Collaboration

– not specified –

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