

Abstract Submitted  
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**Search for fractionally-charged particles in Super-Kamiokande**  
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TION — In this study, the search for a fractionally-charged particle (FCP) is ex-  
tended to the Super-Kamiokande water-Cherenkov particle detector. Monte Carlo  
techniques are used to simulate FCPs in Super-K and establish cuts to differentiate  
FCPs from their normally-charged counterparts. The size of this data set will make  
this study the most sensitive search for FCPs in the cosmic rays to date.

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