

Abstract Submitted
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Search for Giant Pulses in High Edot Pulsars MELISSA ILARDO,
North Carolina School of Science and Mathematics, Durham, NC — In order to investigate a possible correlation between the Edot of a pulsar and the presence of giant pulses, we made observations of pulsars J1930+1852, B1951+32 and J1913+1011 using the WAPP (Wideband Arecibo Pulsar Processor) at the Arecibo Observatory. We chose these pulsars because they possess high Edots, a characteristic shared by the Crab Pulsar, PSR B1937+21, PSR B0540-69 and B1821-24; four of the few currently known giant pulse emitters. Although no giant pulses were positively identified, PSR J1913+1011 showed enough possible evidence to warrant further research.

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