

Abstract Submitted  
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**Branching Fractions of  $\chi_{cJ} \rightarrow p\bar{p}X$** <sup>1</sup> SAMUEL ADAMS, Indiana University, CLEO COLLABORATION — Using a approximately 25 million decays of the  $\psi(2S)$  collected with the CLEO-c detector, we present a measurement of the branching fractions of  $\chi_{cJ} \rightarrow p\bar{p}X$ , where  $J = 0, 1$ , or  $2$  and  $X = \pi^0, \eta$ , or  $\omega$ . The branching fractions measured are useful experimental inputs to theoretical calculations of the cross section for production of charmonium in association with a meson in  $p\bar{p}$  interactions. In the future, such cross sections will be of interest to the PANDA Collaboration.

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