

Abstract Submitted
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**Simulation and Prediction of SONGS Reactor Antineutrino Flux
Using the DRAGON Code** CHRISTOPHER JONES, JANET CONRAD, Mas-
sachusetts Institute of Technology, ADAM BERNSTEIN, Lawrence Livermore Na-
tional Laboratory — We present a comparison of the predicted antineutrino flux
from the San Onofre Nuclear Generating Station (SONGS) PWR reactor with the
deterministic lattice code, DRAGON. This simulation will be used to benchmark the
DRAGON code for use in predicting an antineutrino flux for the Double Chooz ex-
periment. We can also make a comparison between DRAGON and ORIGEN-ARP,
another code used to model the antineutrino flux.

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