

## **Experience with Fabricating the Storage Ring Vacuum Chambers for NSLS II\***

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The NSLS-II Synchrotron Light Source is a new 3 GeV electron storage ring currently under construction at Brookhaven National Laboratory. The majority of the storage ring vacuum chambers are fabricated from extruded aluminum sections welded to explosion bonded aluminum/stainless steel CF flanges. This presentation will provide an overview of the various challenges and problems encountered during the production of the storage ring vacuum chambers. A brief summary of the vacuum conditioning procedures and certification process will also be presented.

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