

## **Segregation to dislocations in neutron irradiated RPV steels**

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The ORNL local electrode atom probe has been used to characterize the solute segregation to dislocations in neutron irradiated reactor pressure vessel steels. The large volume of analysis and high data acquisition rate of the LEAP enables the solute distribution in the region and along the core of dislocations to be estimated. The distribution of phosphorus and carbon segregation has been quantified.

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