

## Detailed studies on the E4/E5-defect as main current generator

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This work focuses on the E5-defect which is known to be the main current generator after hadron irradiation. Two aspects were studied, on the one hand the assignment of the defect level with V3. We show a correlation between the annealing behaviour of E5 and the generation of L-defect, supporting the idea that E5 is V3 and L-defect is V3O. Additionally we compare the result to the transformation of V2 to X-defect.

On the other hand, we compare the recovery of the E5-defect concentration after applying 1A forward current with the recovery of the leakage current. As a result we want to discuss the role of the disordered region in the current generation process and the impact of E5.

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