Field Plate Simulation

中國科學院高能物理研究所
Institute of High Energy Physics
Chinese Academy of Sciences

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Field Plate

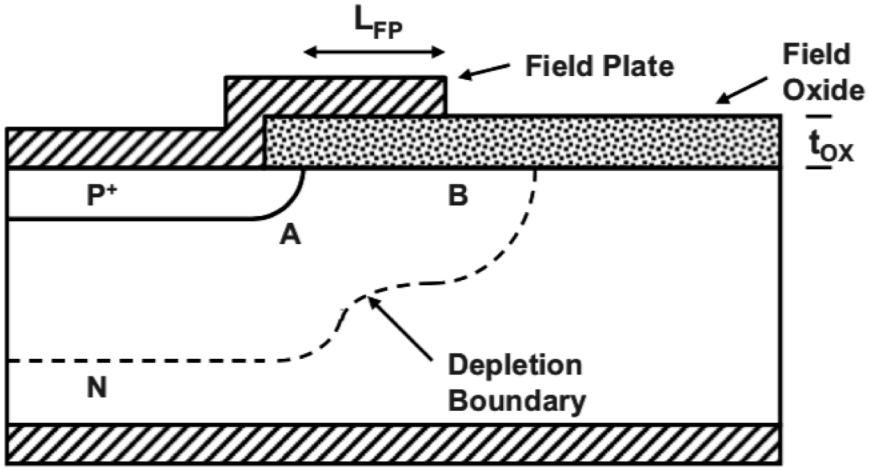
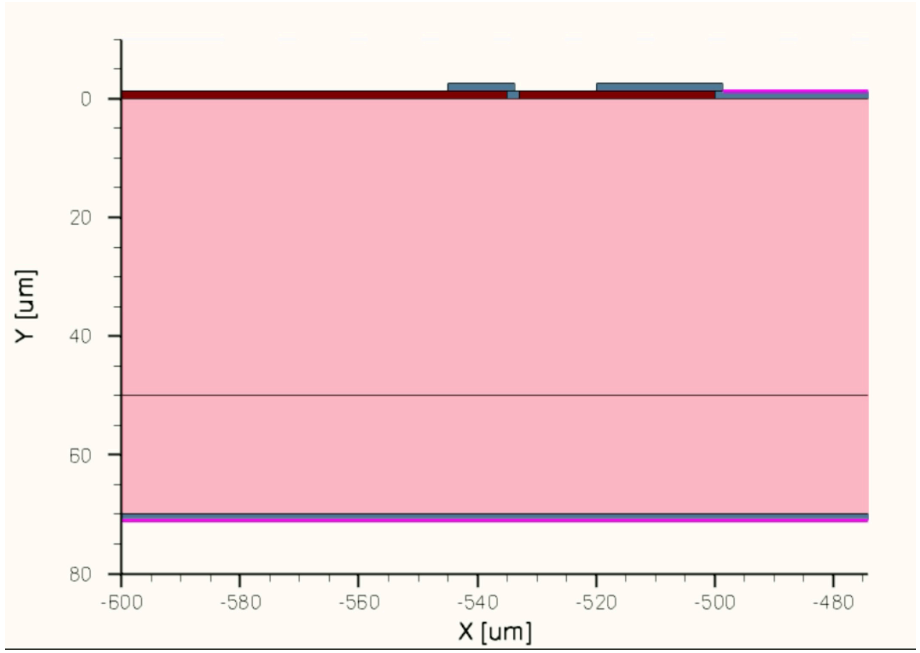
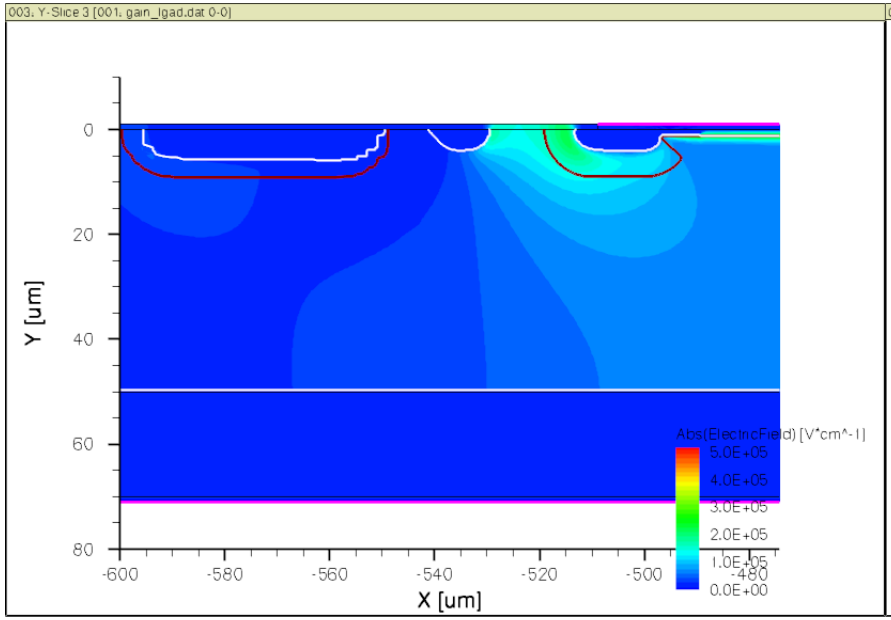


Fig. 3.34 Planar junction with metal field plate over the field oxide

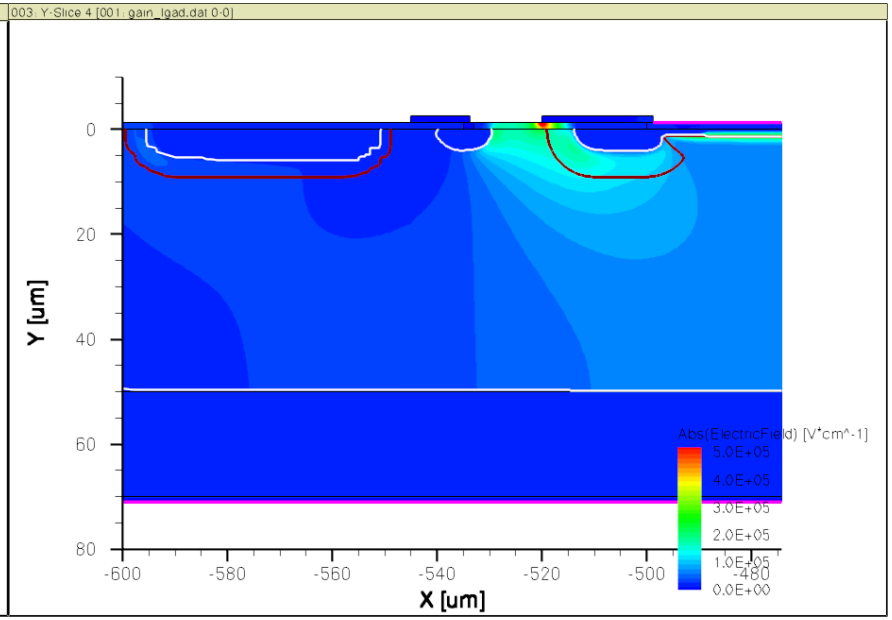


Electric Field in 320V

Without field plate

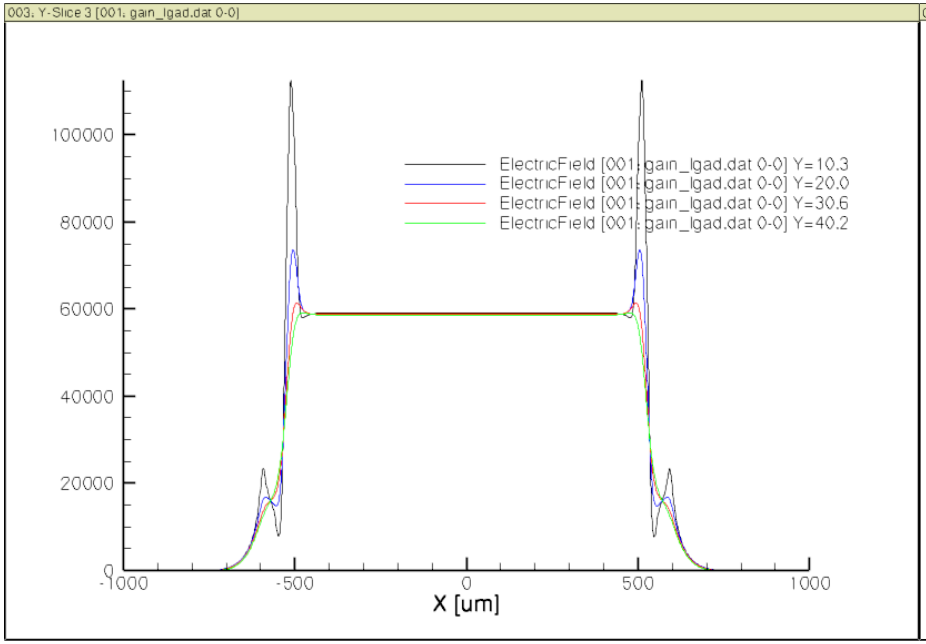


With field plate

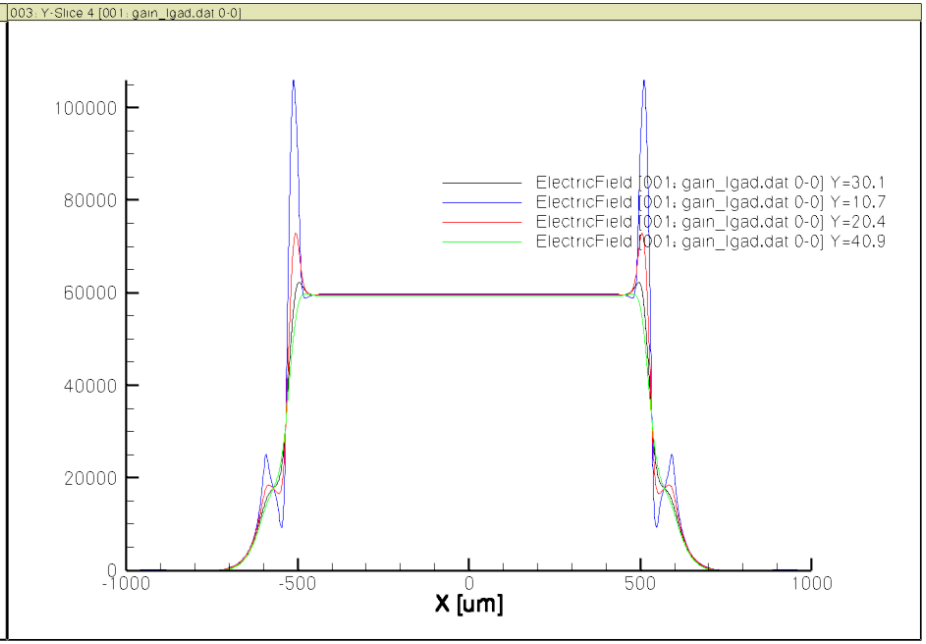


Y-cut Electric Field in 320V

Without field plate



With field plate



Summary

1.This version field plate didn’ t improve breakdown voltage performance.

2. Change field plate and oxide layer thickness.

3. Gain performance study.

Thanks for your listening!

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