

Gems & Gemology Data Depository

Additional figures to accompany: W. Wang et al., "Strongly Colored Pink CVD Lab-Grown Diamonds," Spring 2010 *G&G*, pp. 4–17.

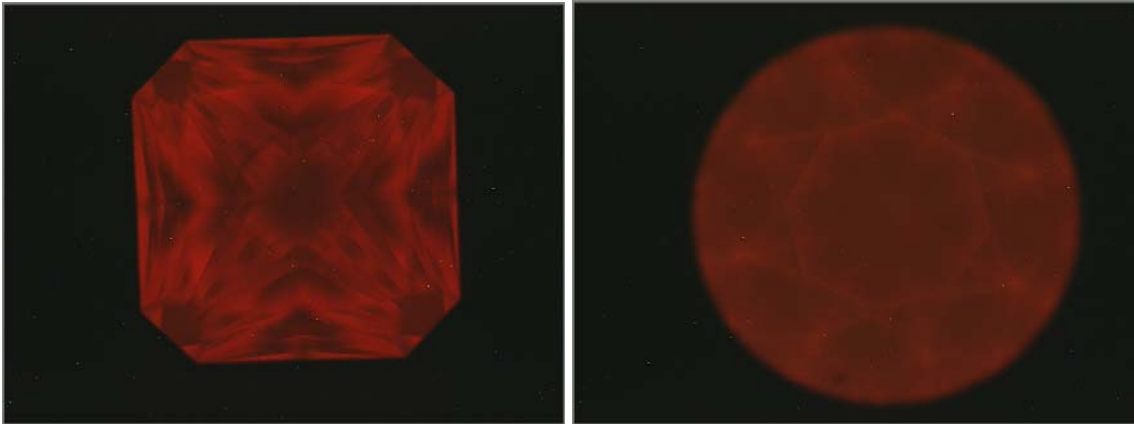


Figure DD-1. Orange to red phosphorescence of varying intensity was observed in all the pink CVD lab-grown diamonds when examined with the DiamondView. The phosphorescence images were collected under identical conditions. Photos by W. Wang.

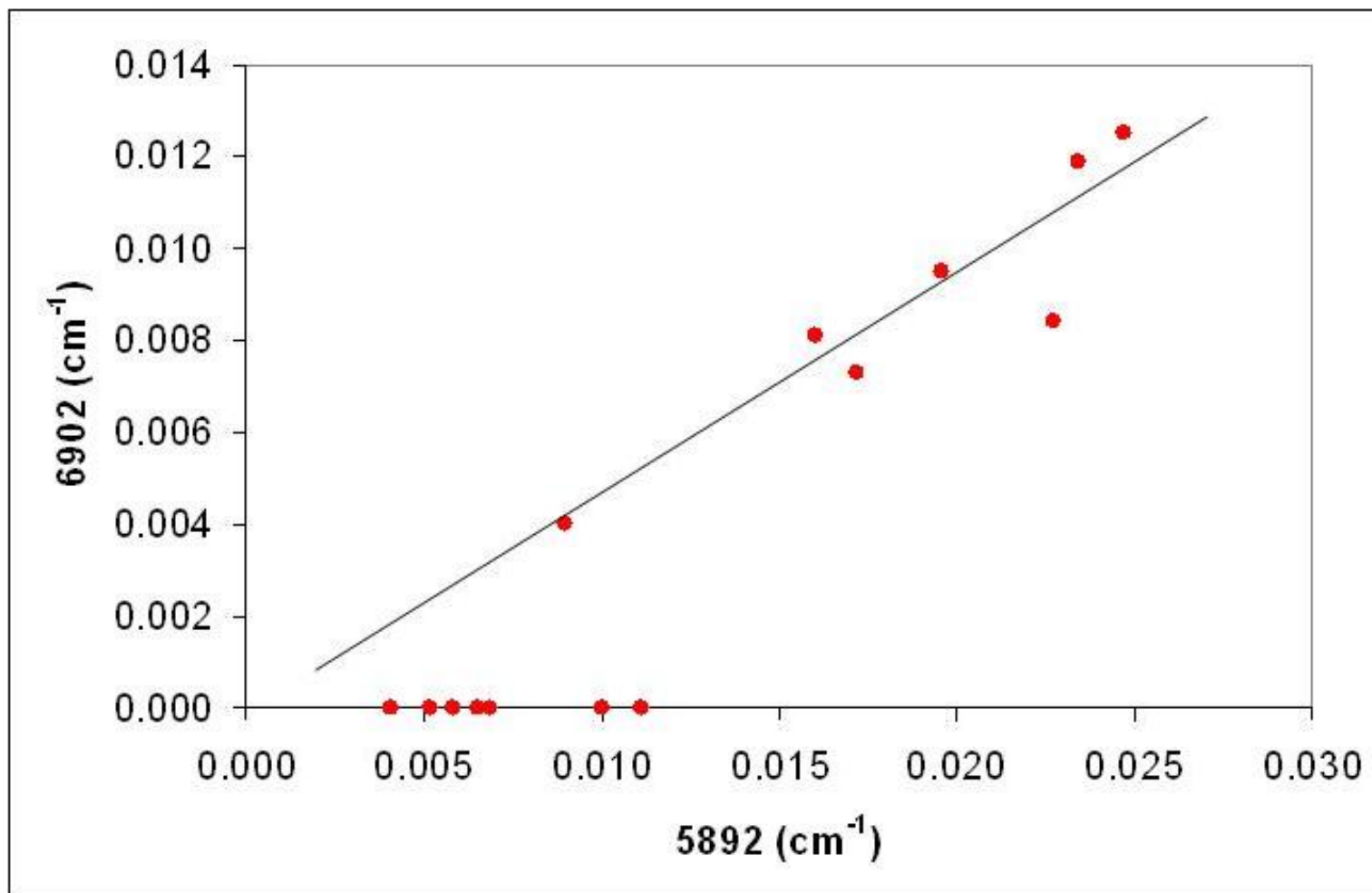


Figure DD-2. A positive correlation in intensity between the absorptions at 5892 and 6902 cm^{-1} was observed in the pink CVD lab-grown diamonds, indicating that these two absorptions could be attributed to a same defect.

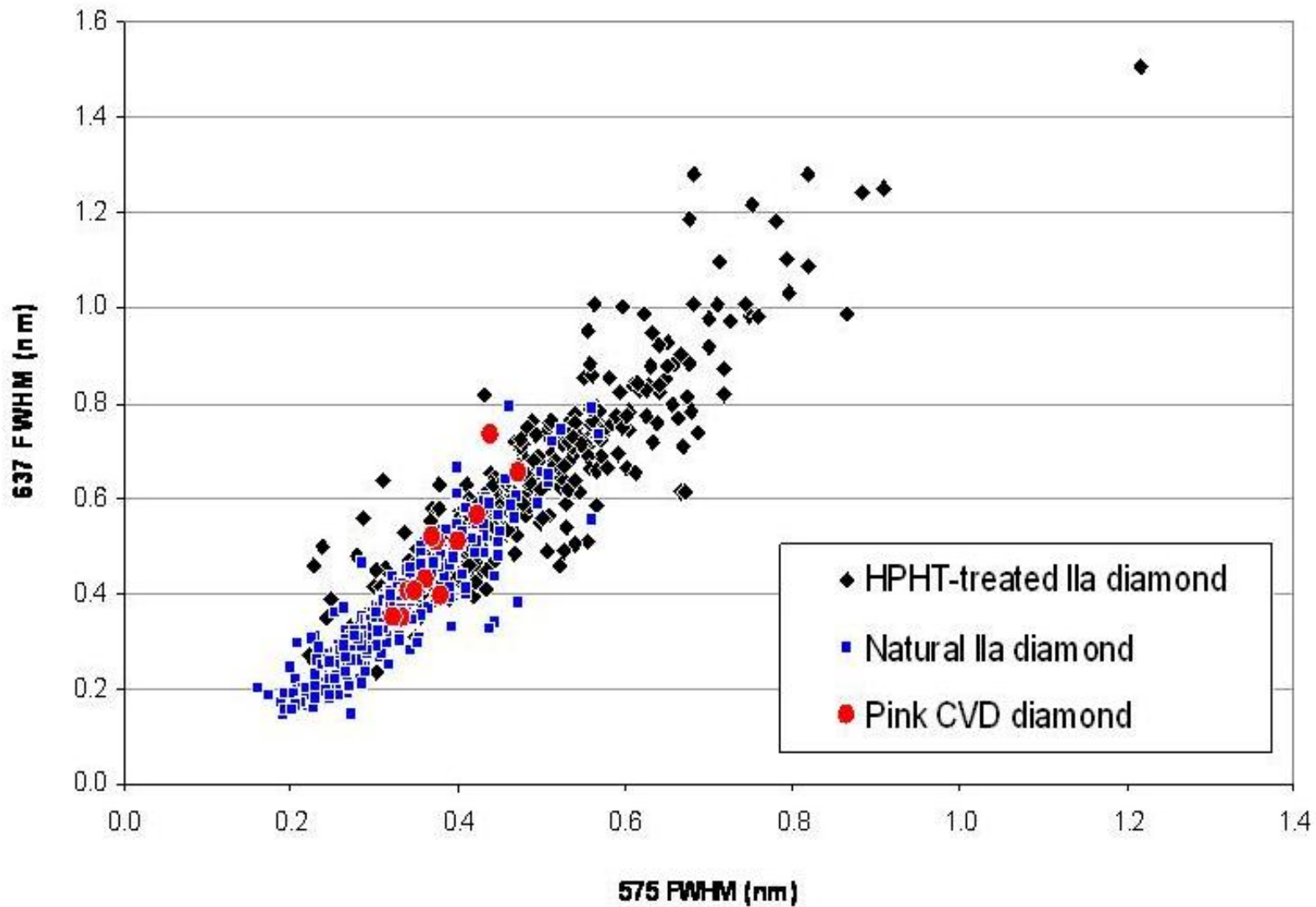


Figure DD-3. The FWHM of the ZPLs for the NV centers at 574.9 and 637.0 nm are positively correlated, matching the trend well from natural-color and HPHT-treated type IIa diamonds.