



University
of Glasgow

Update on Suprasil Radiation Hardness Tests

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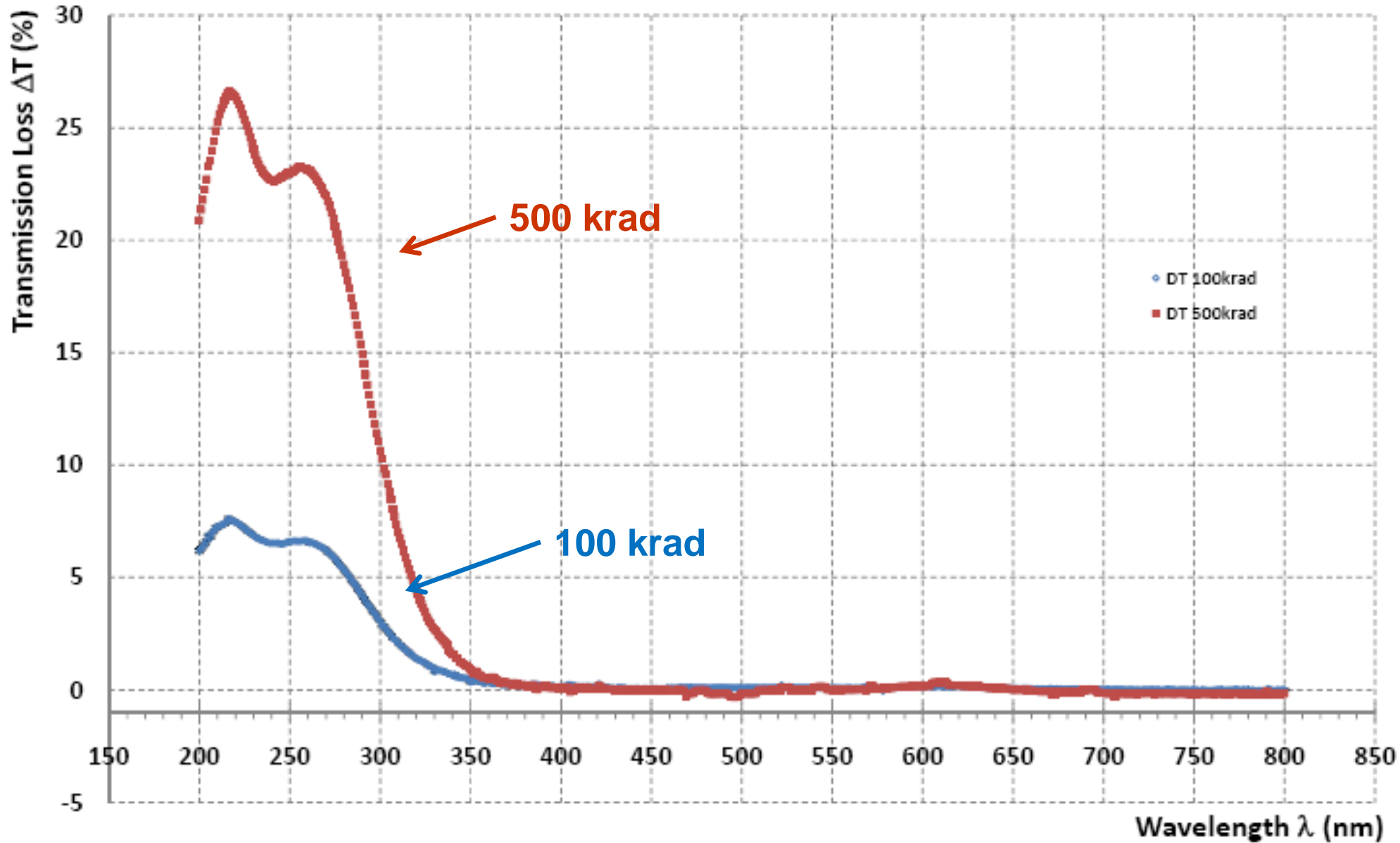
- **Investigated Samples**

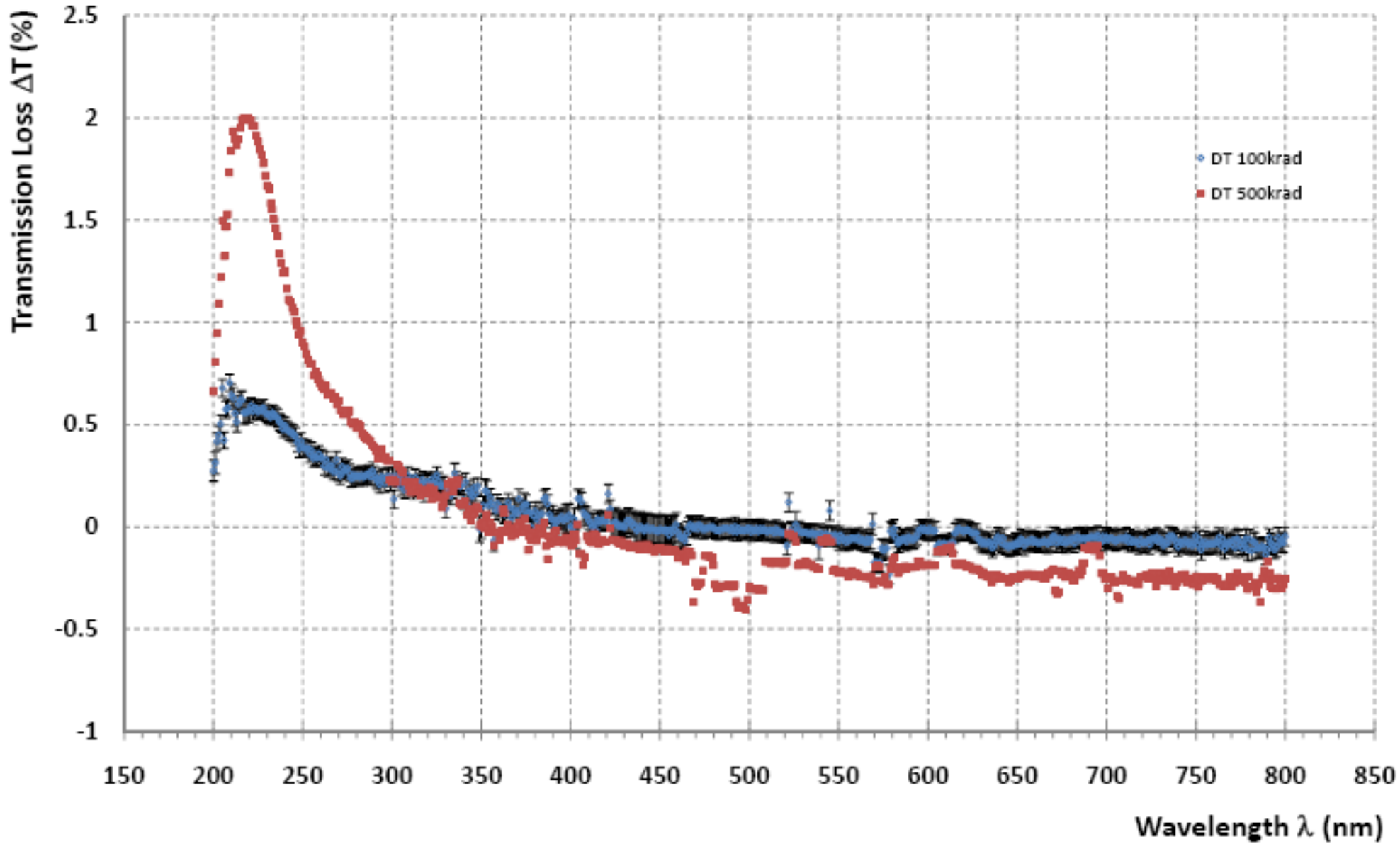
- Suprasil 2A
 - 4 different H₂ levels
- Suprasil 311
 - 4 different H₂ levels

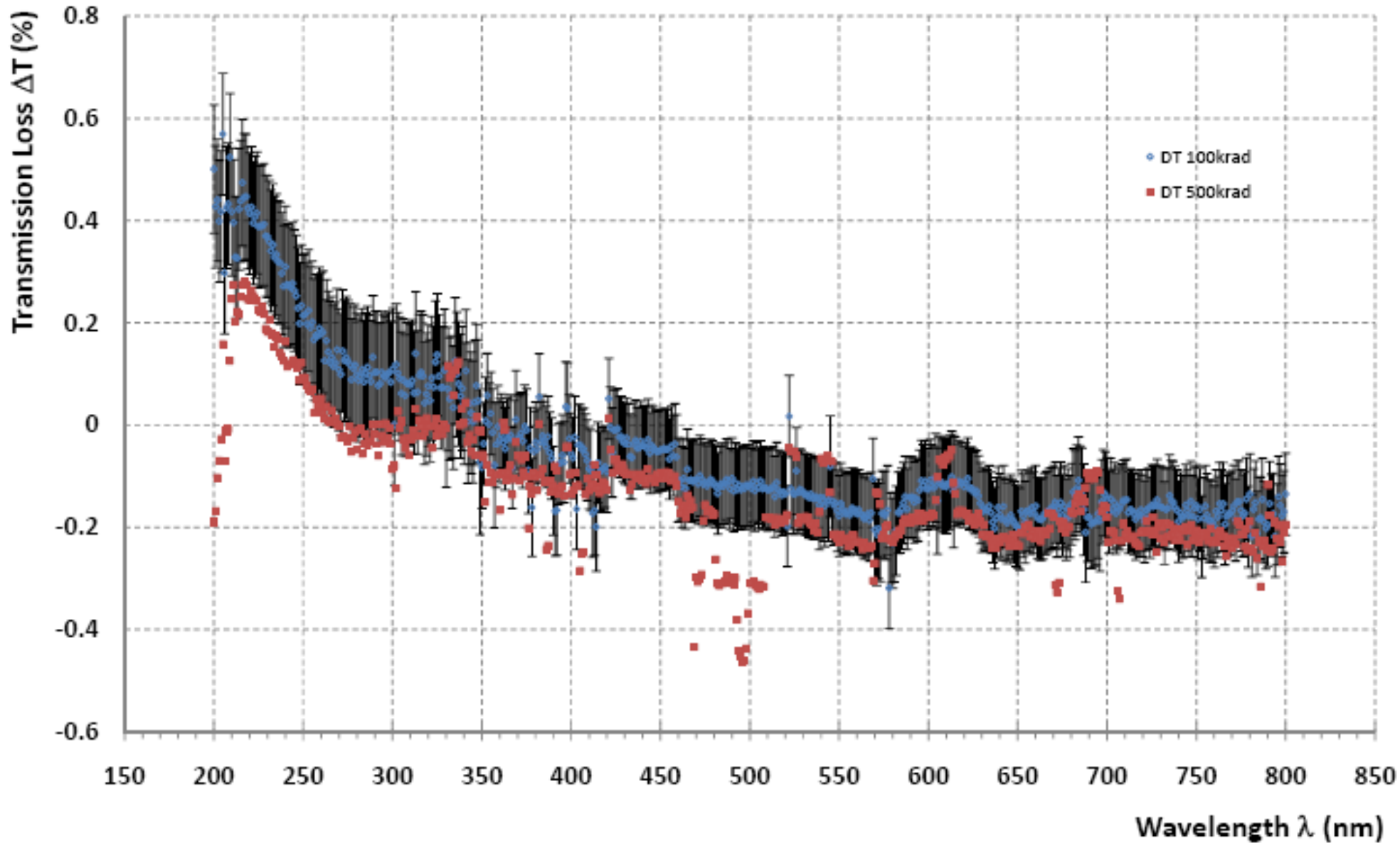
- **Irradiation**

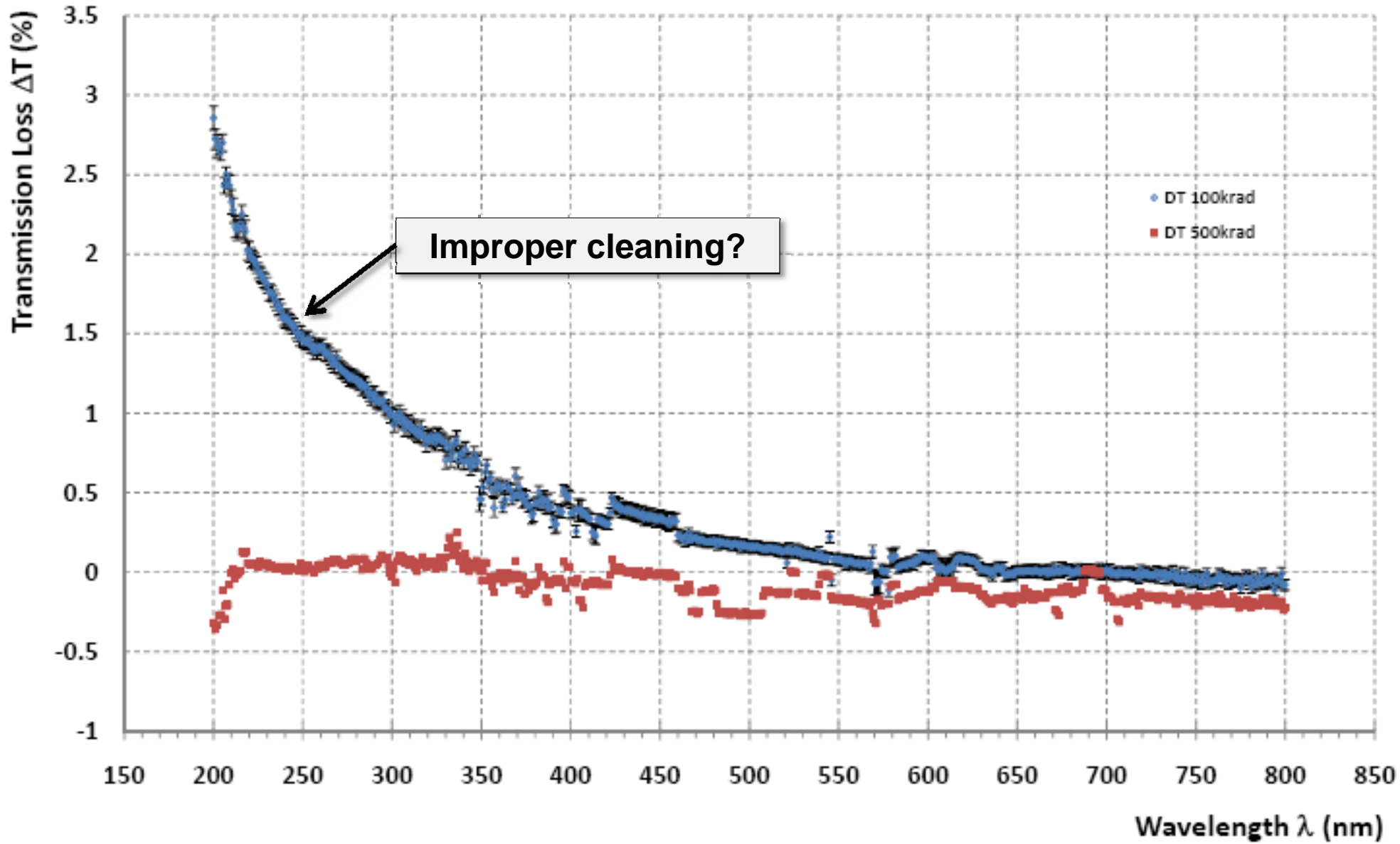
- ⁶⁰Co at Giessen
- dose 500 krad water equivalent

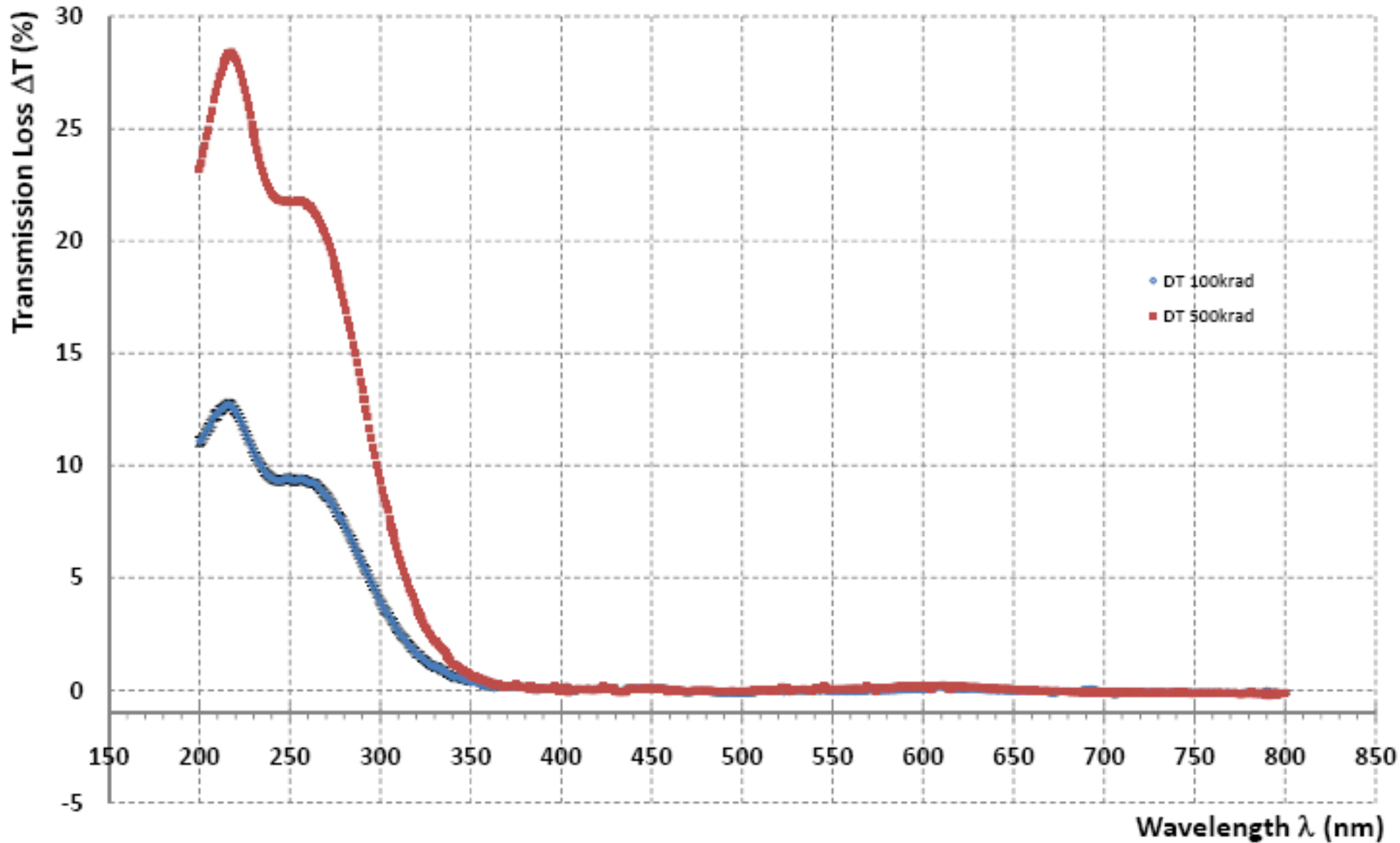
- **Results ordered according to increasing H₂ level**

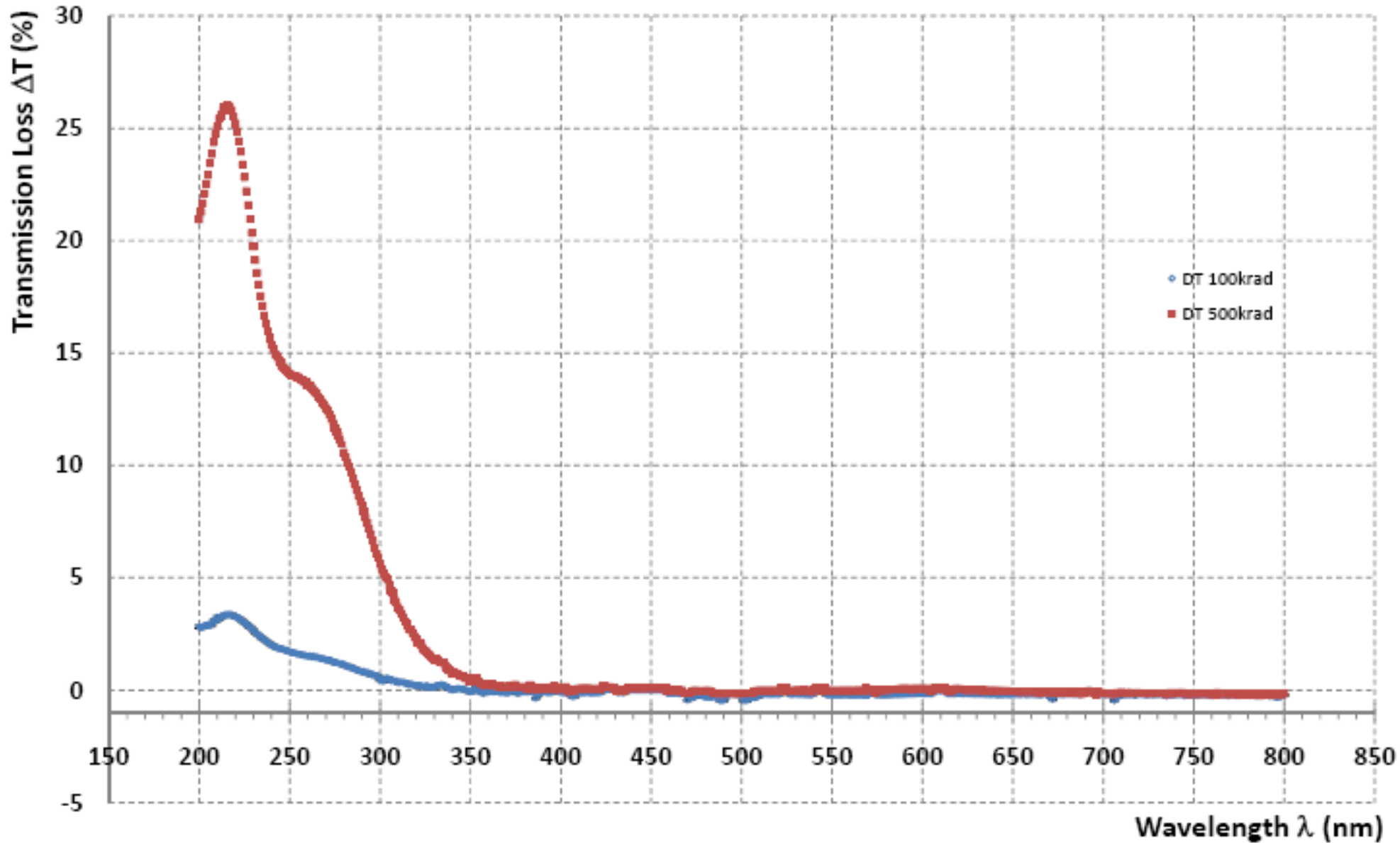




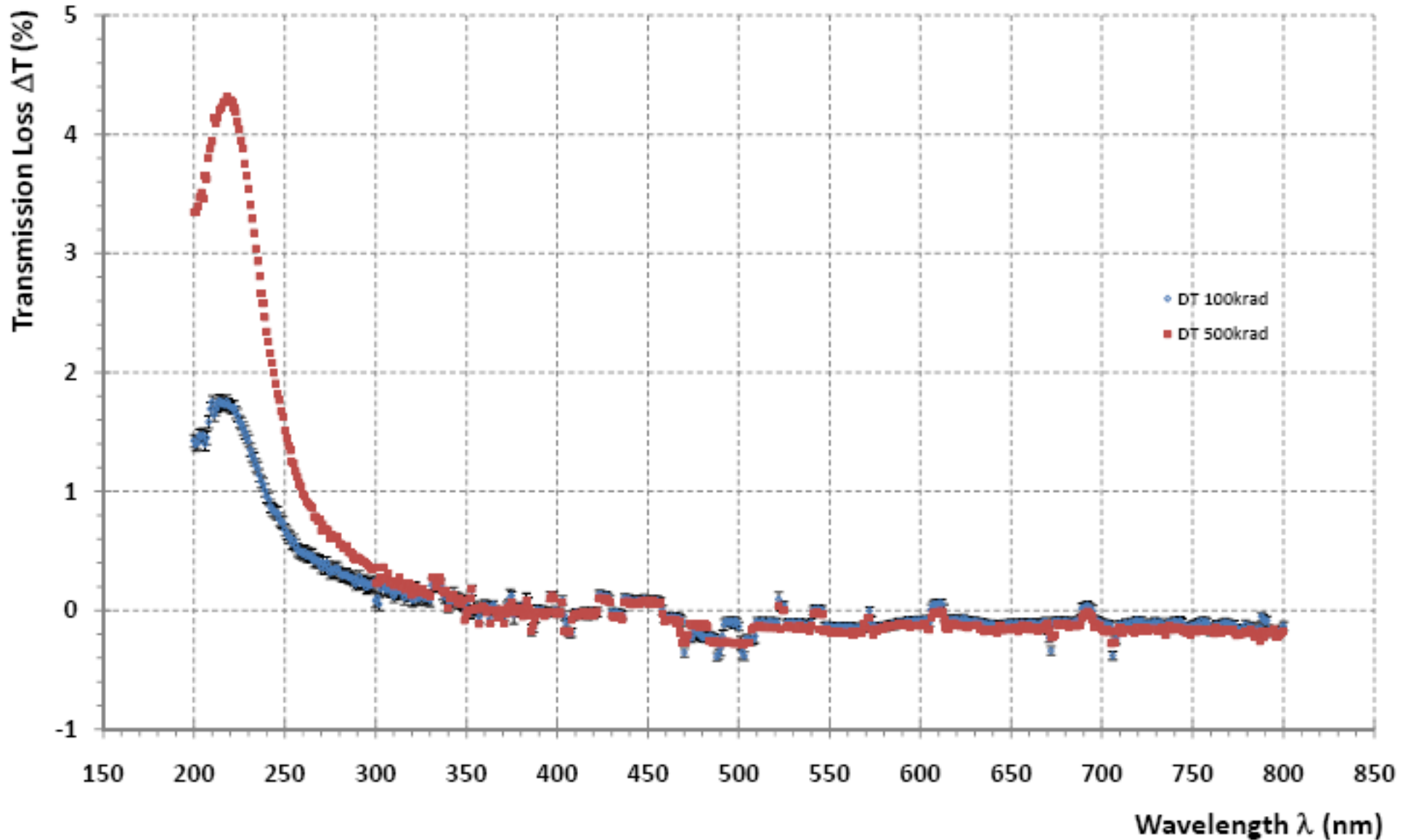


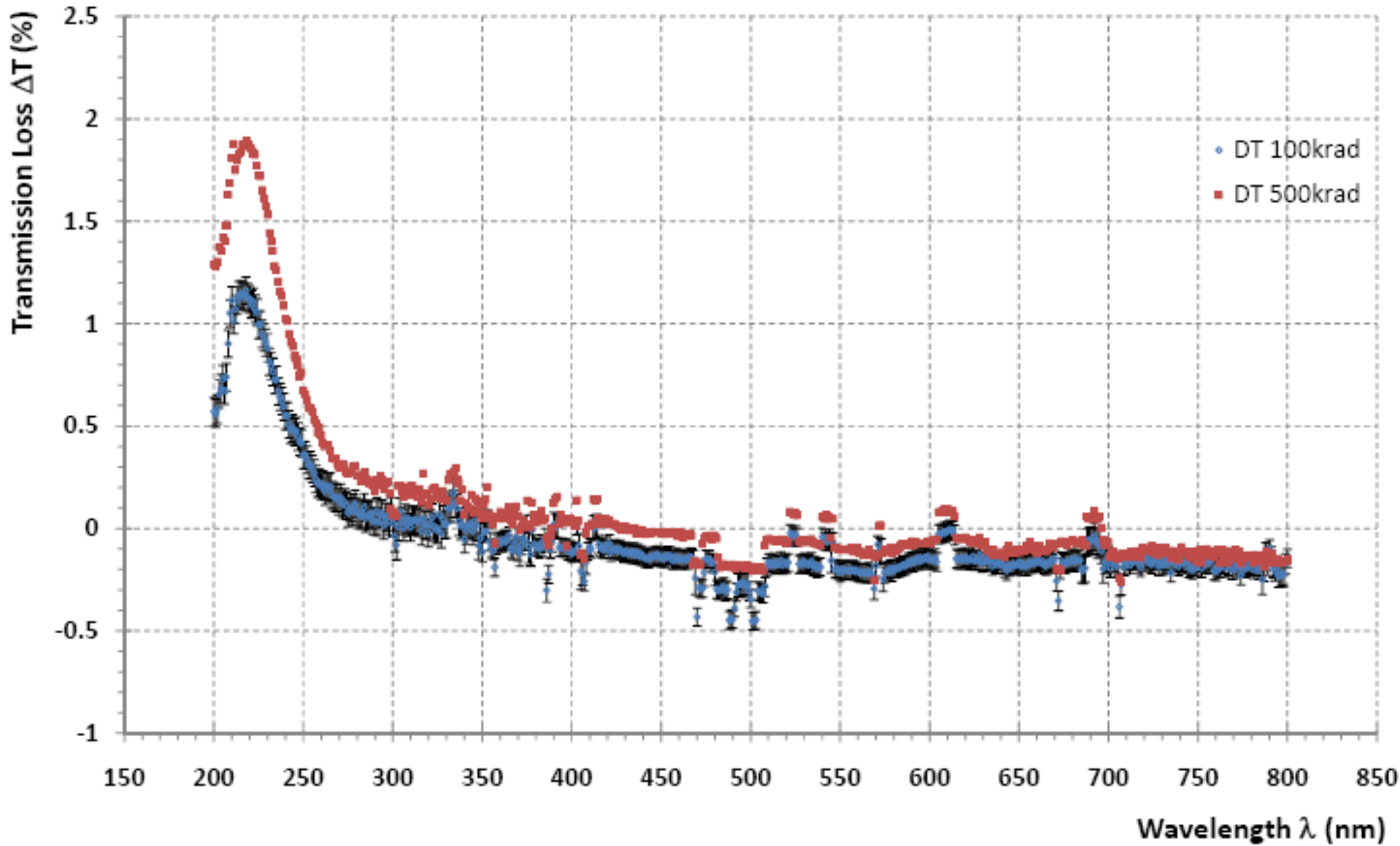






090BH Transmission Loss due to Irradiation





- **Effect of interstitial H₂ even more pronounced at 500krad**
- **Suprasil 2A seems more radiation-hard than Suprasil 311**
- **Send samples to Nagoya for Neutron irradiation in December**
- **Look into H₂ consumption**