

# **LEED, AES and HREELS of Si(111)-CH<sub>3</sub>**

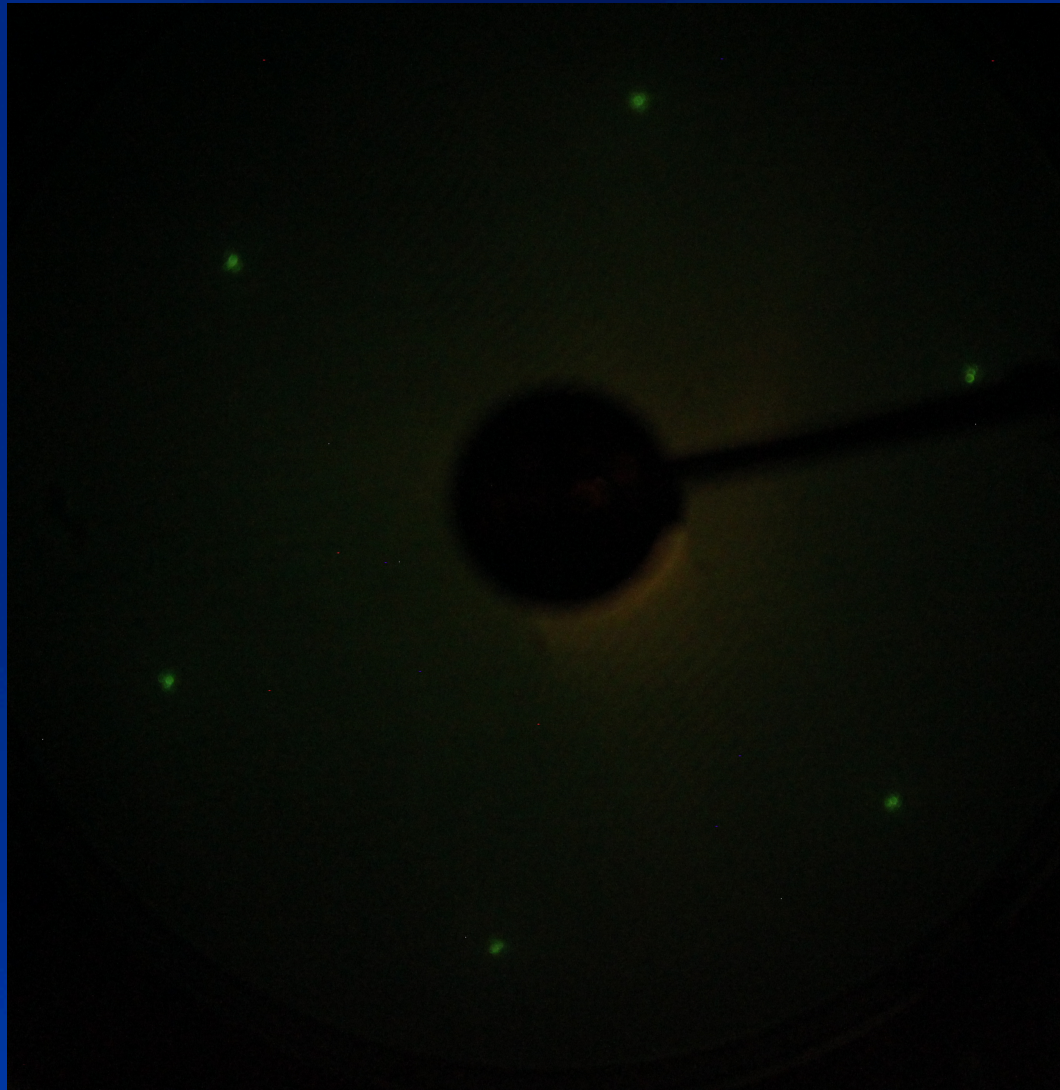
**LK Technologies**  
**RVL2000 LEED-AES**  
**ELS5000 HREELS**  
**(MMRC)**

**Jean Sanabria-Chinchilla: Super User**

**Noah Plymale: Si(111)-CH<sub>3</sub> Sample**

**Alnald Javier: LEED-AES-HREELS Experiments**

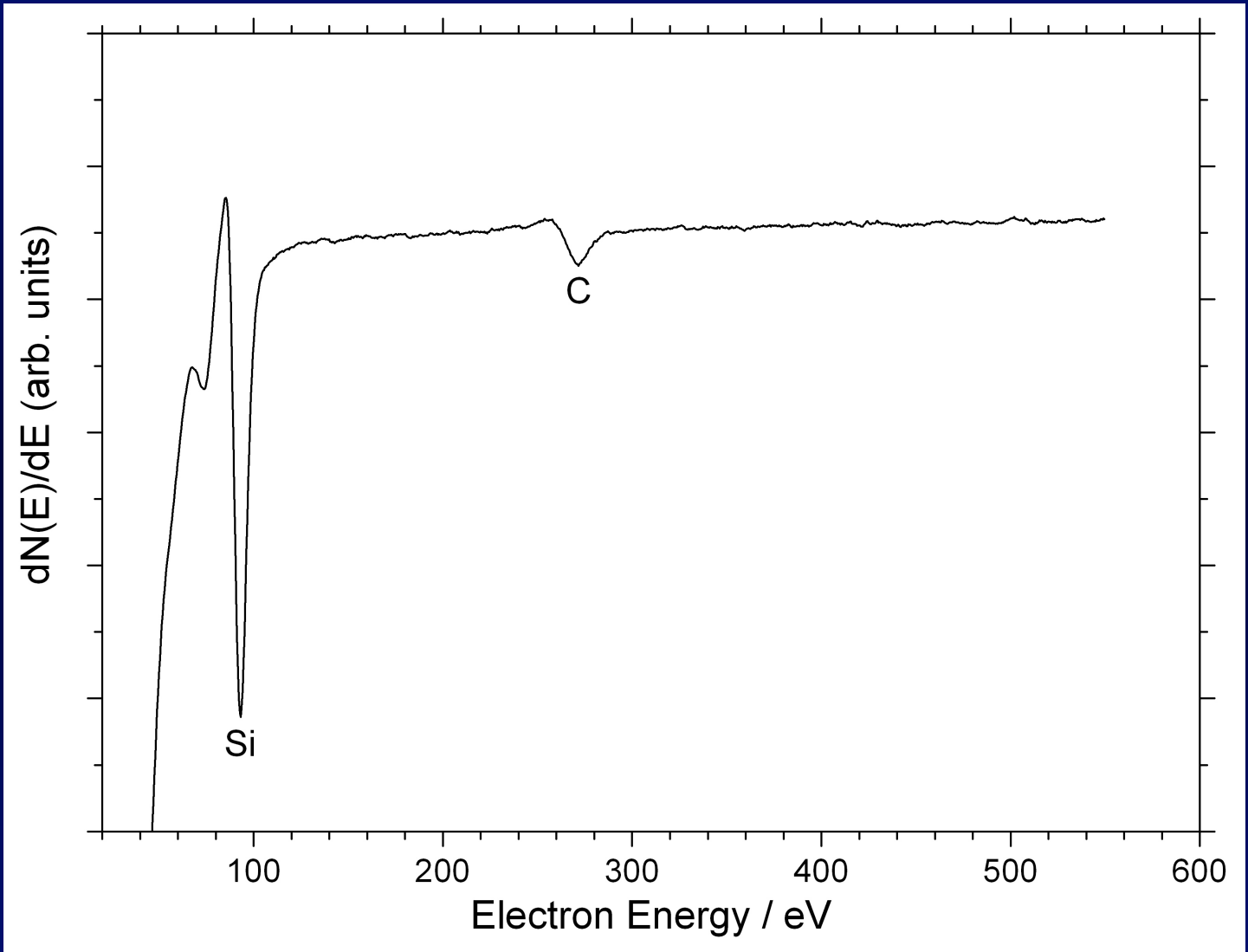
# Low-Energy Electron Diffraction



**Si(111)-(1×1)-CH<sub>3</sub>**

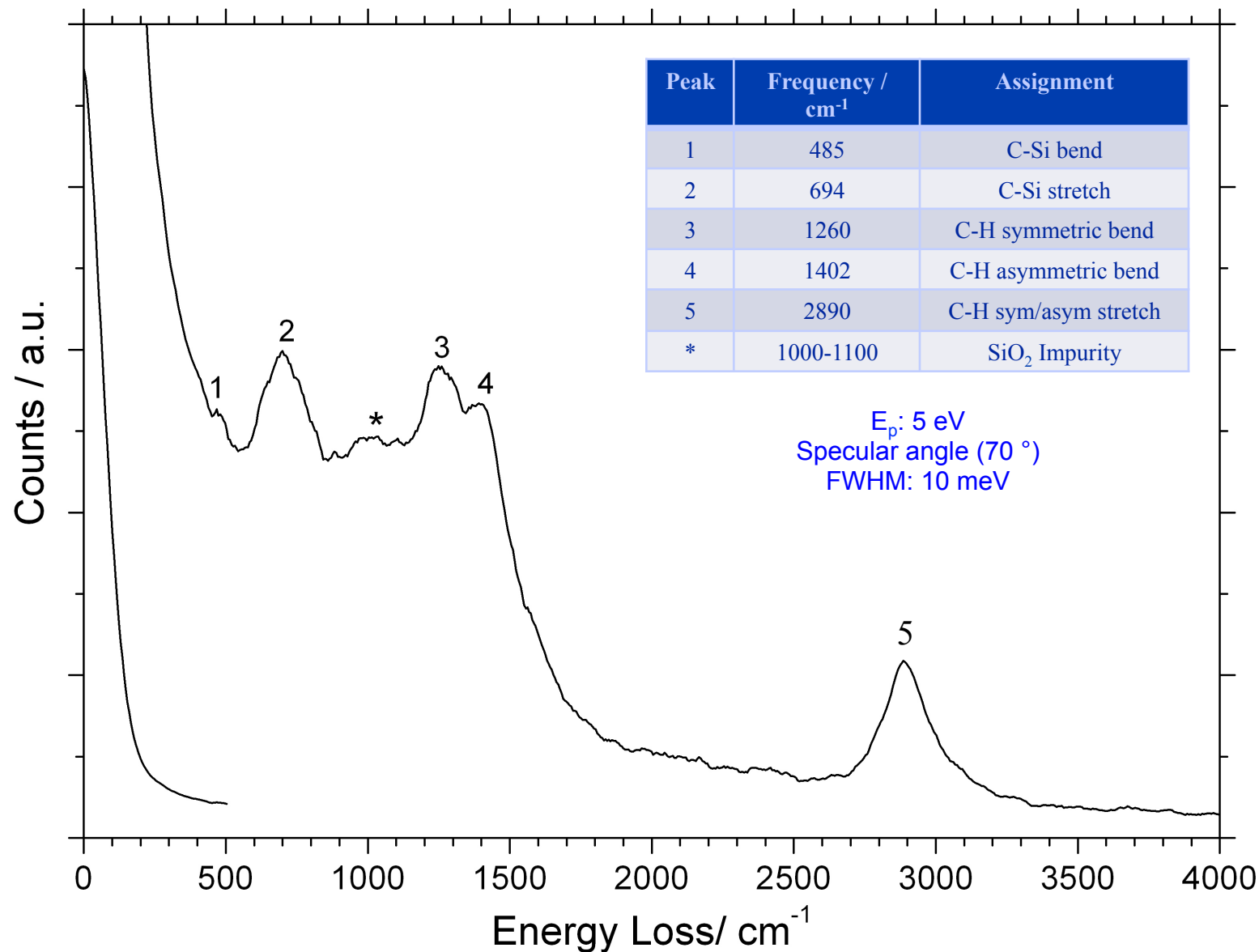
**E<sub>p</sub> = 43 eV**

# Auger Electron Spectroscopy



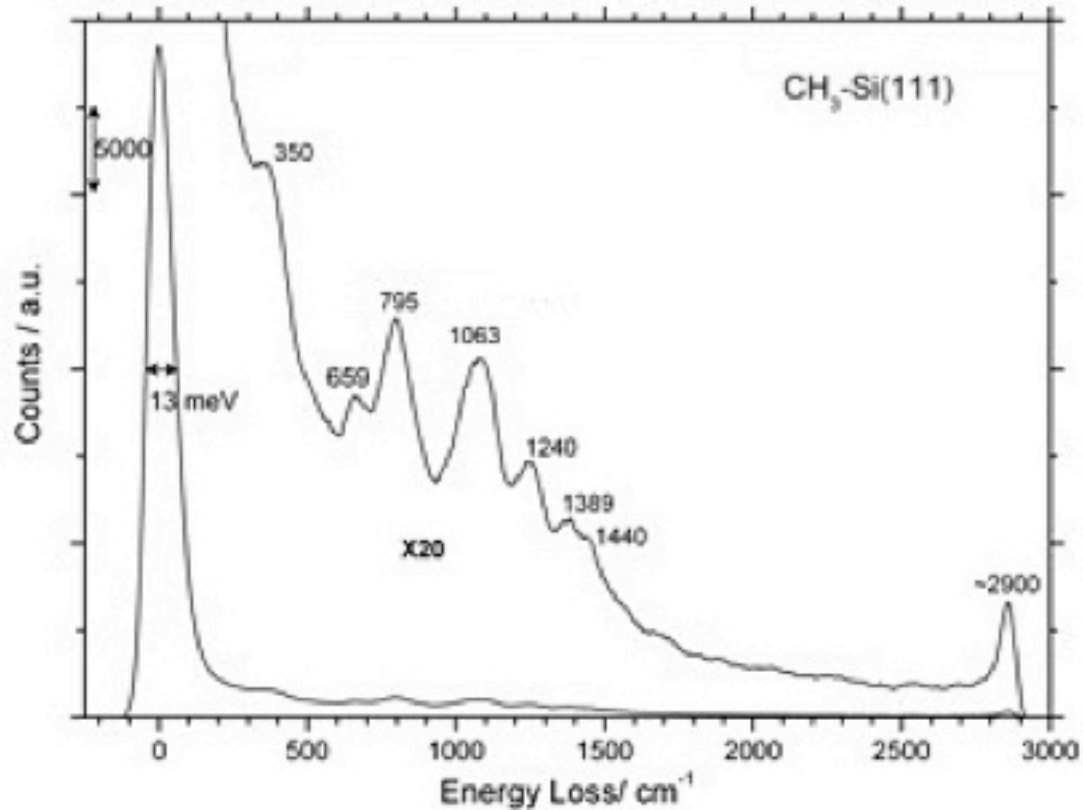
$E_p = 2.5 \text{ keV}$

# High-Resolution Electron Energy Loss Spectroscopy



# HREELS of Si(111)-CH<sub>3</sub>

## First Spectra



**Spectrum: Jean Sanabria-Chinchilla**

**Sample preparation: Joseph Beardslee and David Gleason-Rohrer**