

練習実験報告

肖宇笑

May 16, 2024

Contents

Glavano Sepctrum

REMPI scan

- Selected peaks

- Radius and angular distributions

- Peak assignment

Glavano Sepctrum

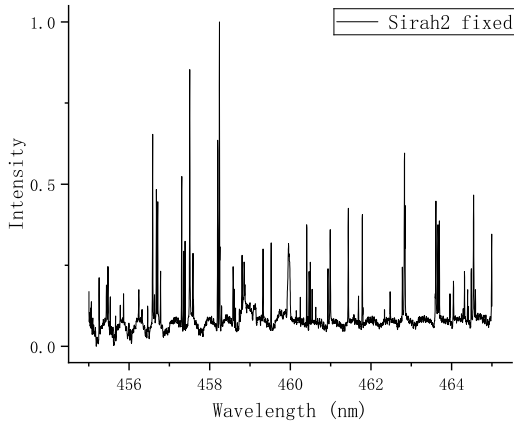


Fig. 1: Wavelen. correction

Glavano Sepctrum

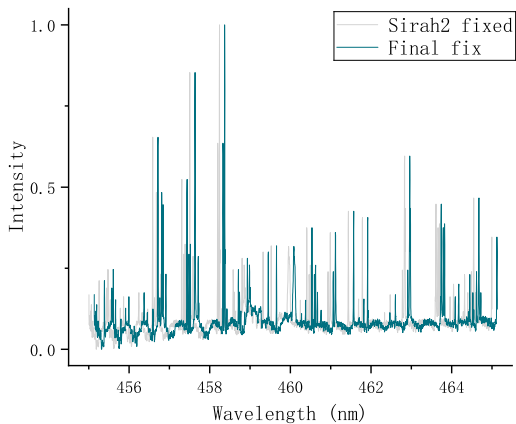


Fig. 1: Wavelen. correction

Glavano Sepctrum

Correction

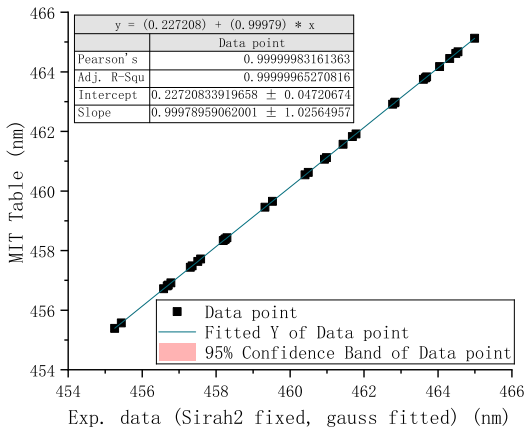


Fig. 2: Correction function

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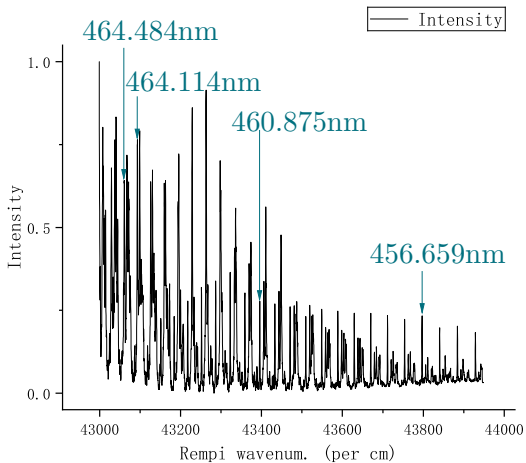
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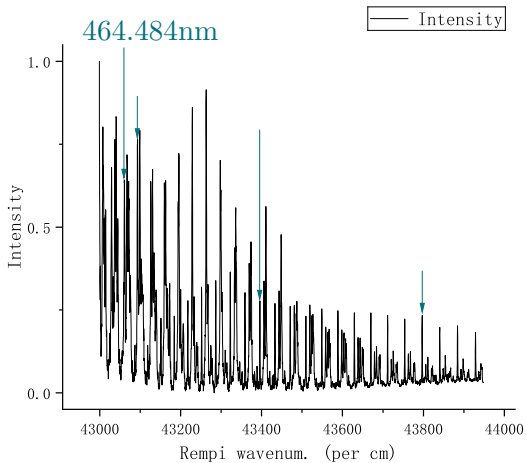
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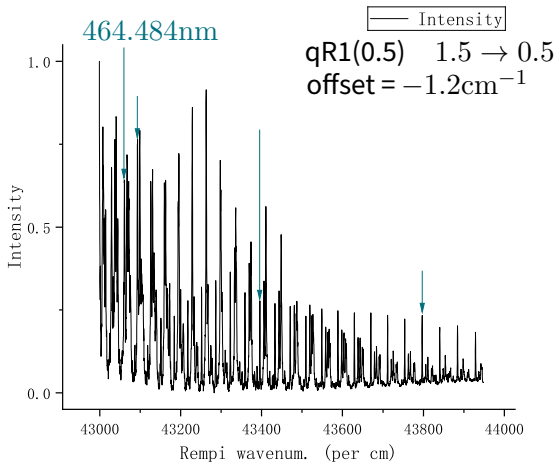
Radius and angular distributions

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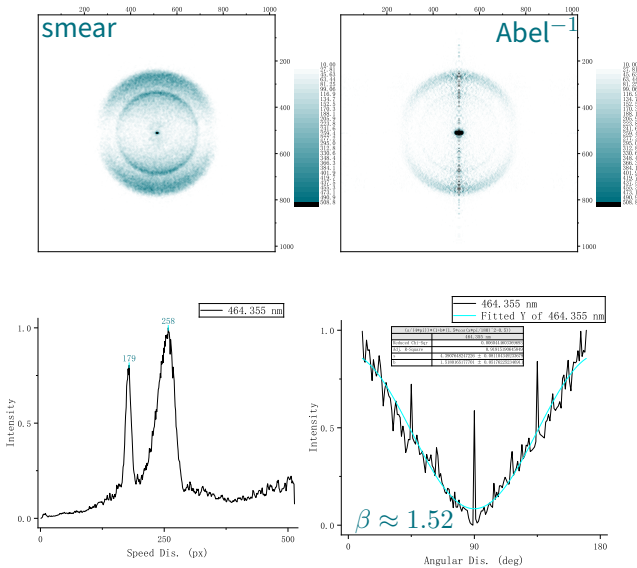
Peak 1



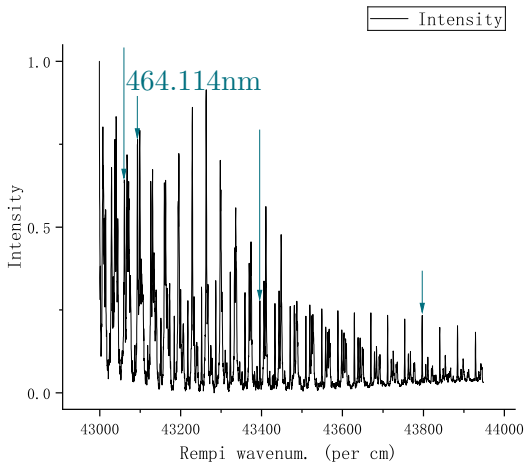
Peak 1



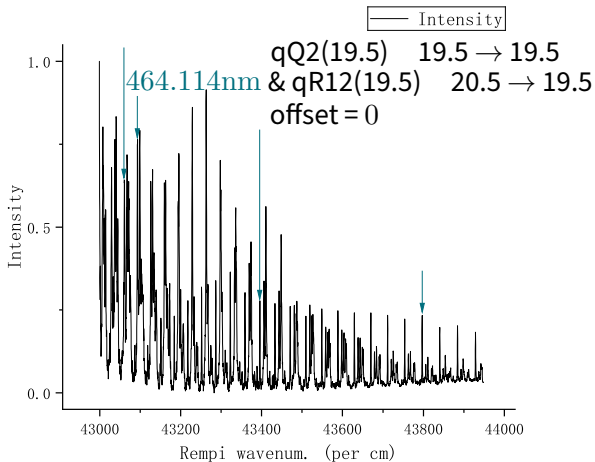
Peak 1



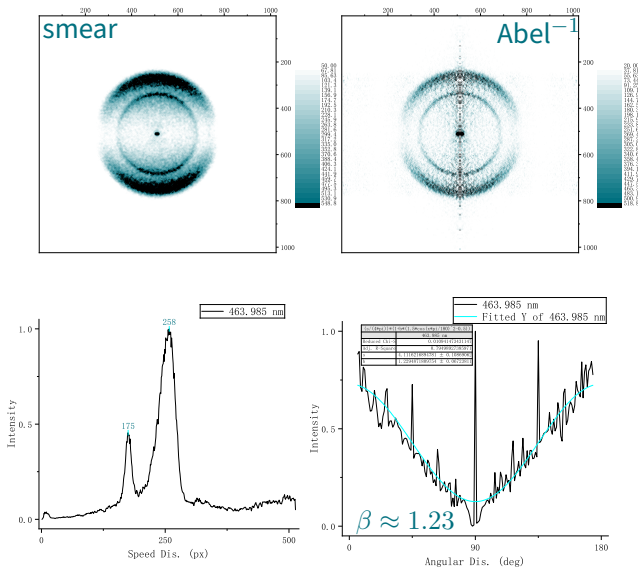
Peak 2



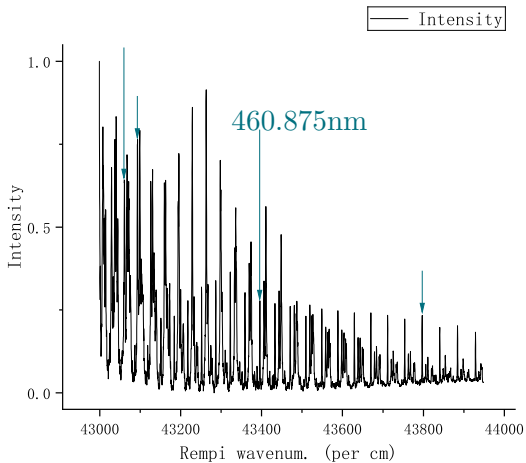
Peak 2



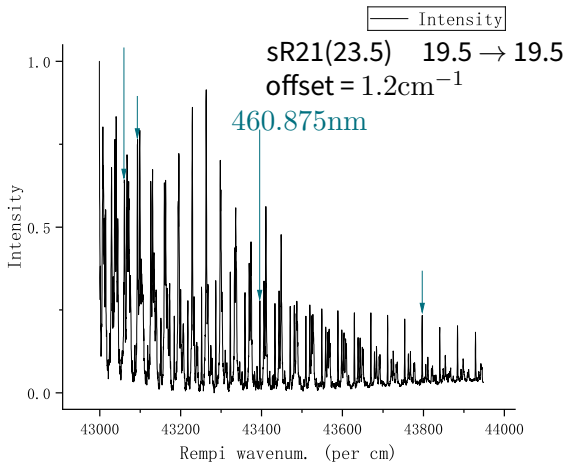
Peak 2



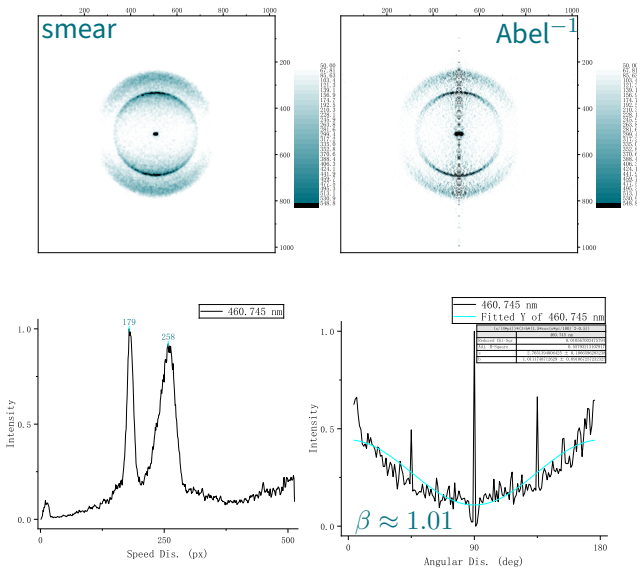
Peak 3



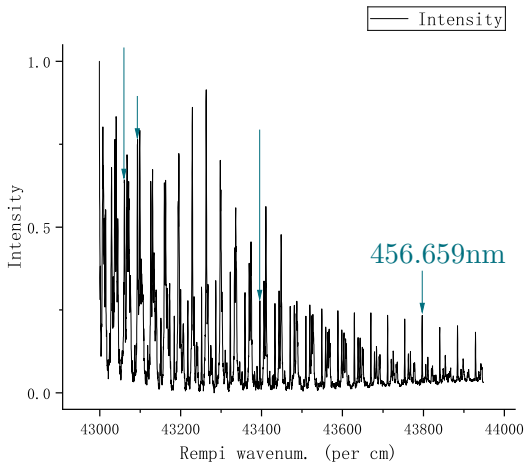
Peak 3



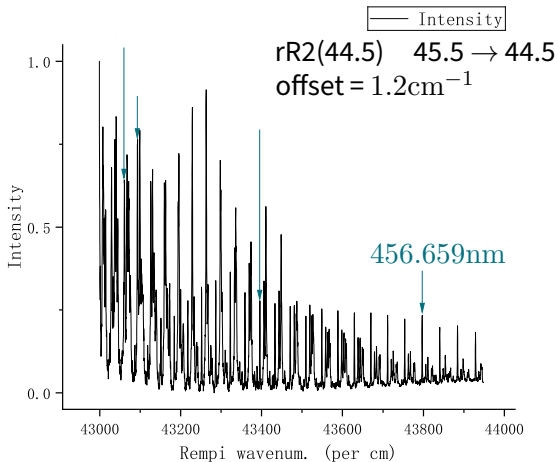
Peak 3



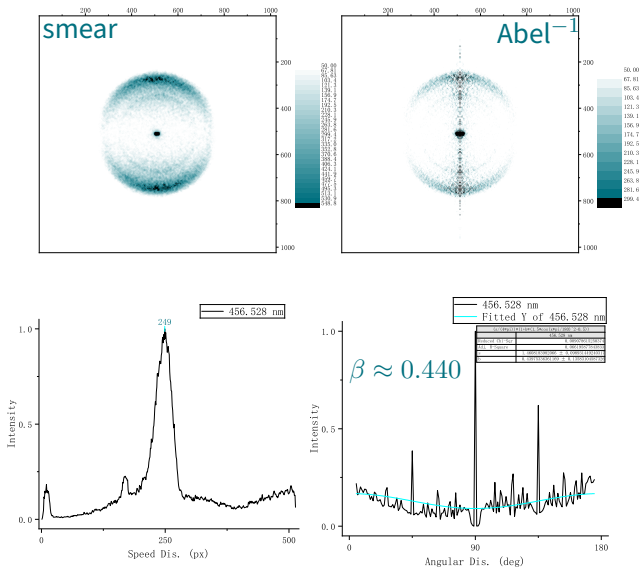
Peak 4



Peak 4



Peak 4



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| | | | |
|---|---|---|---|
| 464.484nm $\approx 43058.49\text{cm}^{-1}$ | 464.114nm $\approx 43092.81\text{cm}^{-1}$ | 460.875nm $\approx 43395.69\text{cm}^{-1}$ | 456.659nm $\approx 43796.34\text{cm}^{-1}$ |
| px=258 | px=258 | px=258 | px=249 |
| rR2 44.5 qR12 51.5 qQ2 51.5 | rR2 45.5 qR12 51.5 qQ2 51.5 | sR21 48.5 | sR21 58.5 pQ12 76.5 pP2 76.5 |

Notice

Red assignments are mismatched, and will not be used to calculate.