



Contribution ID: 390

Type: **Poster**

Doppler-Free Saturation Spectroscopy

Laser cooling and trapping of atoms have become a significant area of research in physics. Saturation absorption spectroscopy is an important element in the laser cooling setup. We have investigated methods to improve the technique of saturation spectroscopy resulting in resolving hyperfine transitions of rubidium atoms which are concealed by Doppler broadening.

Primary author: Ms NAICKER, Sharlene-Asia (University of KwaZulu-Natal)

Co-authors: Prof. PETRUCCIONE, Francesco (University of KwaZulu-Natal); Dr REHN, Magnus (University of KwaZulu-Natal)

Presenter: Ms NAICKER, Sharlene-Asia (University of KwaZulu-Natal)

Track Classification: Track C - Lasers, Optics and Spectroscopy