# Directed Study High- $T_c$ Superconductor

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### 1 Introduction

Gap test for different types of spectra. Gaps determined by the algorithm are marked on the graph.

## 2 Downward

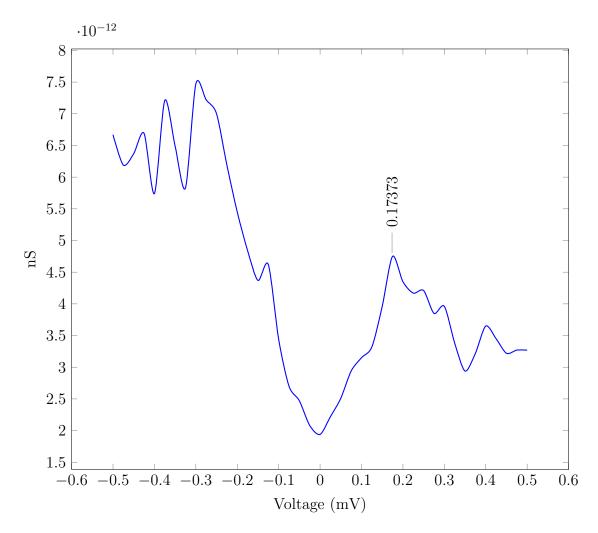


Figure 1: Actual downward spectrum

## 3 Flat

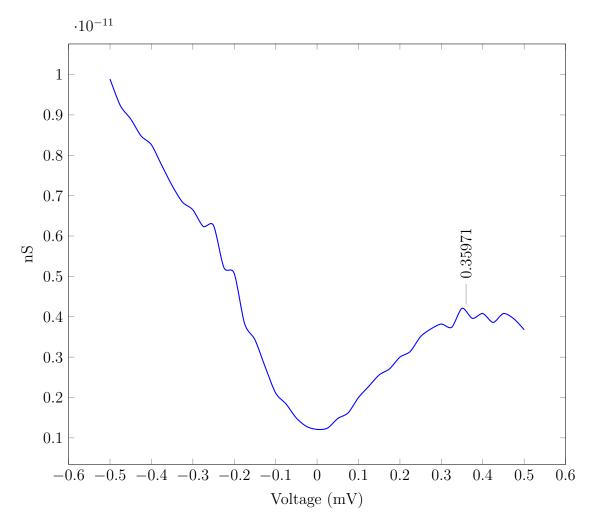


Figure 2: Actual flat spectrum

## 4 Upward

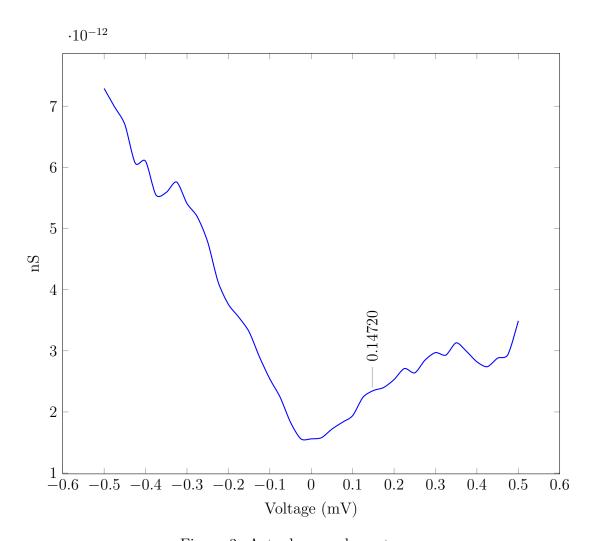


Figure 3: Actual upward spectrum