

# ELECTRON-POSITRONIUM SCATTERING AND FESHBACH RESONANCES

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This progress report details the scattering of electrons by positronium (Ps) atoms and Feshbach resonances up to  $n=4$  threshold due to doubly excited auto detaching states of positronium negative ion ( $\text{Ps}^-$ ) carried out by our group [1,5].

It is of interest to study the spectra of  $\text{Ps}^-$  and compare it with that of  $\text{H}^-$ . Present dissertation provides the details of close coupling approximation (CCA) model employed by us. This article also discusses the other elaborate methods already employed to investigate the system [2-4]. Comparisons amongst the predictions by different methods constitute a section in this article.

## References

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