Scattering from compact objects, Regge poles and the Complex Angular Momentum method

Mohamed Ould Elhadj, ^{1,*} Tom Stratton, ^{1,†} and Sam R. Dolan ^{1,‡}

¹Consortium for Fundamental Physics,

School of Mathematics and Statistics, University of Sheffield,

Hicks Building, Hounsfield Road, Sheffield S3 7RH, United Kingdom

(Dated: September 17, 2019)

Abstract

To be written

^{*} m.ouldelhadj@sheffield.ac.uk

 $^{^{\}dagger}$ tstratton 1@sheffield.ac.uk

 $^{^{\}ddagger}$ s.dolan@sheffield.ac.uk

I. INTRODUCTION

Blah. hello.

The topic of time-independent scattering has been studied in detail since the 1960s [??], and there now exists a substantial literature [??????????????????????].

ACKNOWLEDGMENTS

T.S. acknowledges financial support from EPSRC. S.R.D. acknowledges financial support from the European Union's Horizon 2020 research and innovation programme under the H2020-MSCA-RISE-2017 Grant No. FunFiCO-777740, and from the Science and Technology Facilities Council (STFC) under Grant No. ST/P000800/1.