

You are welcome to nominate speakers to colloquium@nao.cas.cn. The video and slides of previous colloquia and more information can be found at <http://colloquium.bao.ac.cn/>.

国台学术报告 NAOC COLLOQUIUM

2017年 第31次 / No. 31 2017

Time: Wed. 2:30 PM, Nov. 8th Location: A601 NAOC

Gravitational Waves and the Interstellar Plasma

Prof. Bill Coles

the University of California, San Diego

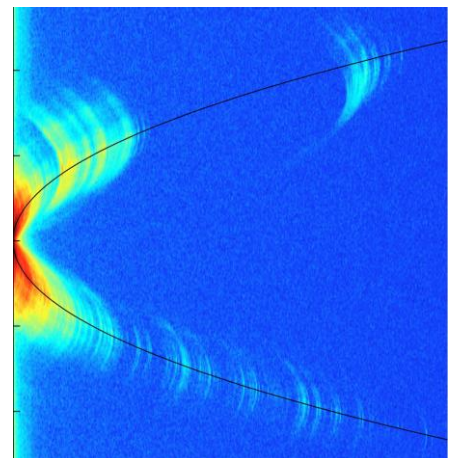


Prof. Bill Coles received his B.A.Sc. in 1963 from the University Of British Columbia (UBC) in Vancouver and his M.Eng in 1965 from the McGill University in Montreal. After four years, he obtained his PhD at the University of California (UC), San Diego. Presently, he works as the

professor of Electrical and Computer Engineering at UC, San Diego. His research interest is measurements of astrophysical plasmas, such as the solar wind and the interstellar medium.

Abstract

The search for gravitational waves from supermassive binary black holes using pulsar timing arrays, requires precision measurements of the interstellar plasma, because fluctuations in that plasma are a primary noise source in the pulsar observations. As a result of 10 years of pulsar timing observations for gravitational wave searches, we have learned a great deal about the interstellar plasma and how to correct the pulsar observations for its effects.



All are welcome! Tea, coffee, biscuits will be served at 2:15 PM