FROM WINDS TO JETS: THE ROLE OF OUTFLOWS IN COMPACT BINARIES

CONFERENCE PROGRAM

Day 1: Jets

8.00 – 9.00  Registration

9.00 – 10:50  Session 1
   Chair: Jakob van den Eijnden
   9.00 – 9.10  Introduction by Nathalie Degenaar
   9.10 – 9.50  Richard Plotkin
                Radio observations of black hole jets
   9.50 – 10.30  Maria Cristina Baglio
                 Searching for jet signatures in X-ray binaries: a NIR/optical perspective
   10.30 – 10.50  Payaswini Saikia
                 Lorentz factors of compact jets in black hole X-ray binaries

10.50 – 11.20  Coffee break

11.20 – 13.00  Session 2
   Chair: Nick Kylafis
   11.20 – 12.00  Chiara Ceccobello
                 Stellar-mass black hole jets: a theoretical view
   12.00 – 12.40  Alex Tetarenko
                 Radio observations of neutron star jets
   12.40 – 13.00  Javier Garcia
                 On the evolution of the disk and corona in accreting black hole binaries

13.00 – 14.30  Lunch/Break-out time

14.30 – 16.10  Session 3
   Chair: Dave Russell
   14.30 – 15.10  Deanne Coppejans
                 Radio observations of white dwarf jets
   15.10 – 15.50  Kyle Parfrey
                 Jets from Neutron Stars — Theory and Simulations
   15.50 – 16.10  Nina Gusinskaia
                 Transitional millisecond pulsars

16.10 – 16.40  Coffee break

16.40 – 17.40  Session 4
   Chair: Sera Markoff
   16.40 – 17.00  Joe Bright
                 The black hole X-ray binary candidate MAXI J1820+070/ASASSN-18ey
   17.00 – 17.40  Discussion moderated by Sera Markoff, Greg Sivakoff, Tom Russell

17.40 – 18.00  Walk to Brouwerij ’t IJ

18.00  Conference Reception at Brouwerij ’t IJ
Day 2: Winds

8.30 – 9.00  Registration

9.00 – 10:50  Session 1  
   Chair: Guillaume Dubus

   9.00 – 9.40  Bailey Tetarenko  
   An Observational View of Disc Physics and Disc Winds

   9.50 – 10.20  Nicholas Higginbottom  
   Radiation hydrodynamic simulations of disk winds.

   10.20 – 10.40  Karri Koljonen  
   X-ray winds in Cyg X-3, V404 Cyg and V4641 Sgr

10.40 – 11.10  Coffee break

11.10 – 12.50  Session 2  
   Chair: Knox Long

   11.10 – 11.50  Maria Diaz Trigo  
   X-ray observations of X-ray binary disk winds

   11.50 – 12.30  Teo Muñoz-Darias  
   Optical/nIR observations of X-ray binary disc winds

   12.30 – 12.50  Chris Done  
   Thermal wind models

12.50 – 14.20  Lunch/Break-out time

14.20 – 16.00  Session 3  
   Chair: Matt Middleton

   14.20 – 15.00  James Matthews  
   Disc Winds in Accreting White Dwarfs

   15.00 – 15.40  Nicolas Scepi  
   Outflows in the quiescent state of DNe and LMXBs

   15.40 – 16.00  Peter Kosec  
   Disc winds in Her X-1

16.00 – 16.30  Coffee break

16.30 – 18.00  Session 4  
   Chair: Christian Knigge

   16.30 – 17.10  Ciro Pinto  
   Outflows in ULXs

17.10 – 18.00  Discussion moderated by Christian Knigge, Daniel Proga, Nathalie Degenaar

18.00 – 19.00  Free time before dinner

19.00  Conference dinner at Dignita Hof tuition
Day 3: Impact and outflows at extremes of accretion

8.30 – 9.00  Registration

9.00 – 10:50  Session 1
   Chair: Tom Russell

   9.00 – 9.40  Sergio Campana
   Observations of propeller accretion
   9.50 – 10.20  Alexander Mushtukov
   Theory of propeller accretion
   10.20 – 10.40  Jonatan Jacquemin Ide
   Magnetically-driven jets and winds from MRI-active accretion disks

10.40 – 11.10  Coffee break

11.10 – 12.50  Session 2
   Chair: Diego Altamirano

   11.10 – 11.50  Jeroen Homan
   Observations of outflows from Z-sources
   11.50 – 12.30  Chris Fragile
   Interactions of Type I X-ray Bursts with Accretion Disks
   12.30 – 12.50  Sara Motta
   Simultaneous X-ray and radio observations of Sco X-1

12.50 – 14.20  Lunch/Break-out time

14.20 – 16.00  Session 3
   Chair: Montserrat Armas Padilla

   14.20 – 15.00  Tiziano Di Salvo
   Observational evidence for non-conservative mass transfer in X-ray binaries
   15.00 – 15.40  Stephen Justham
   Impact of Outflows
   15.40 – 16.00  Alexey Bobrick
   Hydrodynamic simulations of mass transfer in white dwarf-neutron star binaries

16.00 – 16.30  Coffee break

16.30 – 17.30  Session 4
   Chair: Andrew King

   16.30 – 16.50  Noel Castro Segura
   V341 Ara - The Nova-like variable that has it all
   16.50 – 17.30  Discussion moderated by Andrew King, Guillaume Dubus, Juan Hernández Santisteban

17.30 – 17.40  Closing remarks by Nathalie Degenaar

END OF CONFERENCE