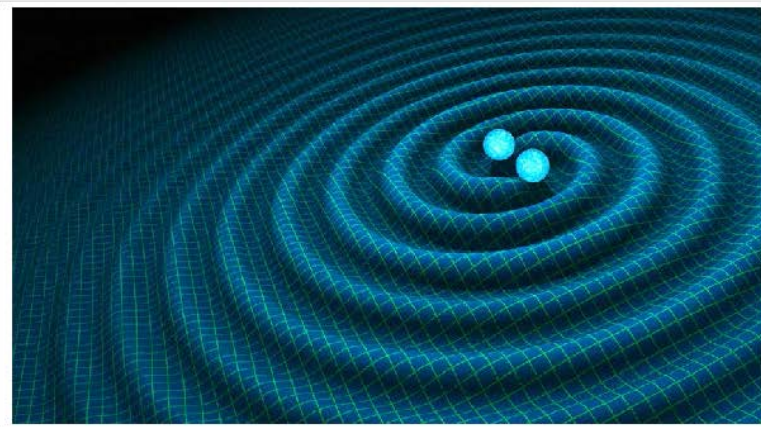




The Tenth Harvard-Smithsonian
Conference
on Theoretical Astrophysics



Scientific Program



Credit: R. Hurt/Caltech/JPL

Gravitational Wave Astrophysics

Sponsored by Raymond and Beverly Sackler and Irwin Shapiro

Monday, May 7th through Wednesday, May 9th, 2018

Sheraton Commander Hotel, 16 Garden Street, Cambridge, MA

Hosted by the Institute for Theory and Computation, Harvard University

<http://www.cfa.harvard.edu/events/2018/sackler/>

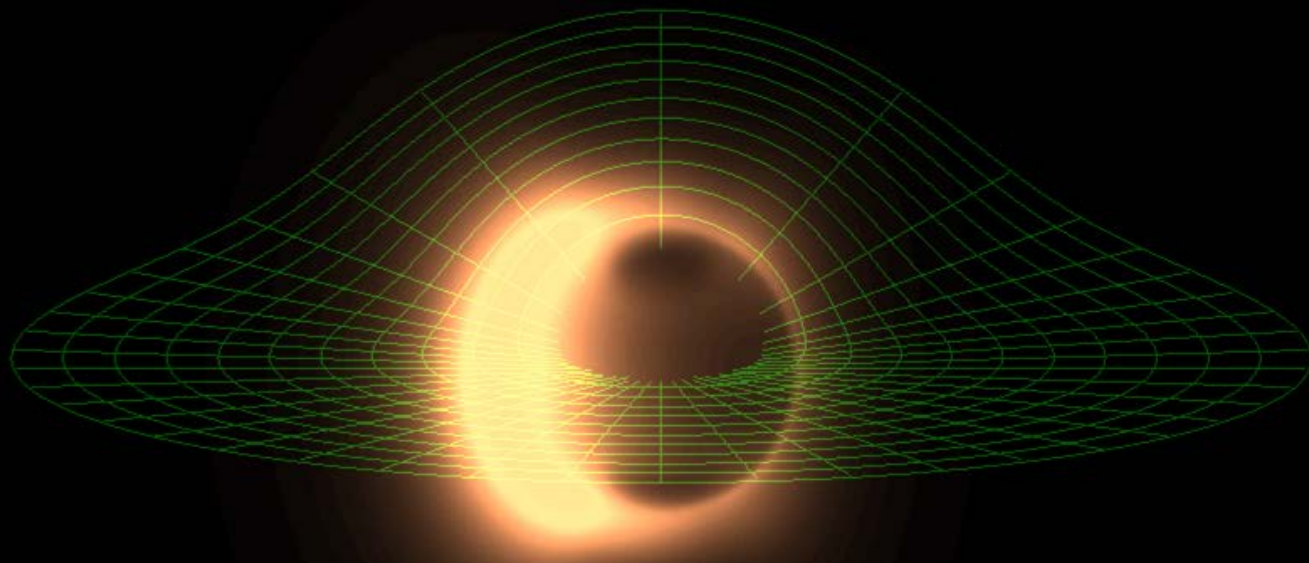
All talks are 30 minutes (25+5)

Sessions held in the George Washington Ballroom; Coffee Breaks held in the adjacent Terrace Room

- All talks are video recorded and will eventually be posted on the conference website (as a substitute for written proceedings)
- Press representatives are in the audience: everything you say might appear in tomorrow's newspaper
- Speakers: please deliver your presentation file to a conference administrator at the end of your session
- Conference administrators: Nina Zonneville, Uma Mirani, Mark Palmer, Janet Sartore

Black Hole Initiative

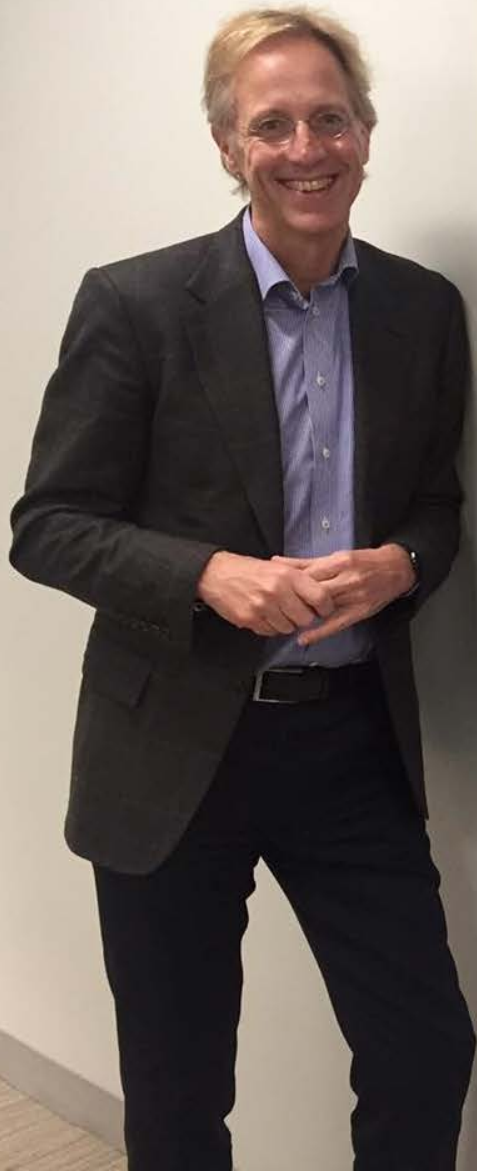
at Harvard University



20 Garden street, Cambridge MA











Personnel

- Director: Avi Loeb
- 6 Senior Members from the fields of Astronomy, Mathematics, Philosophy, and Physics
- 8 Postdoctoral Fellows
- 14 Faculty Affiliates
- 2 Visiting Scholars (expecting 5 more in the next 2 years)
- 7 Graduate Students (4 Astronomy, 3 Physics)
- 1 Staff member

Three Year Grant Award: \$7.2M

- Research Expenses: 40%
- BHI Fellows & Grad Student Salary and Research Funds: 30%
- Visitor Program and Events: 12%
- Filmmaking: 9%
- Computer Systems: 4%
- Staff Salary: 3%
- BHI Offices: 2%

BHI Postdoctoral Fellows

Incoming Postdocs 2017-2018 (200+ applicants):

- Feraz Azhar (Philosophy)
- Maciek Wielgus (Astrophysics)
- Mislav Balokovic (Event Horizon Telescope)
- Luran Donnay (Physics)
- Hsin-Yu Chen (Gravitational Wave Astrophysics)
- Jordan Keller (Mathematics)

BHI events

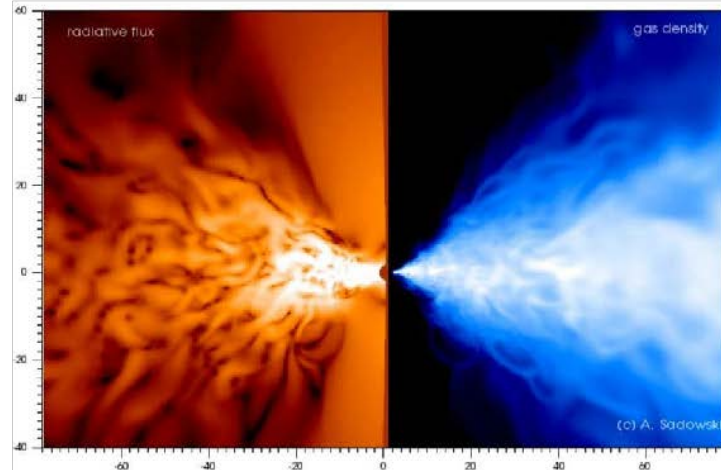
- BHI Lunch and Colloquia (Hour+ talks) – 24 talks in 2016-2017 (51 speakers)
- BHI Philosophy Reading Group
- BHI Conference 2-day conference, May 8-9, 2017 (22 speakers)



The Second Annual Black Hole Initiative Annual Conference



Scientific Program



Second Annual BHI Conference on Black Holes

Wednesday, May 9 – Friday, May 11 2018

Sheraton Commander Hotel, 16 Garden Street, Cambridge, MA

Hosted by the Black Hole Initiative, Harvard University
<http://bhi.fas.harvard.edu/>

All talks are 25 minutes (20+5)
Sessions held in the George Washington Ballroom
Coffee Breaks held in the adjacent Terrace Room



This conference was made possible by a generous grant from the John Templeton Foundation

Where does the matter go (-> information paradox)?



The singularity marks the breakdown of Einstein's equations but what replaces it in reality?

