THE CENTRAL PARSECS

GC98

GALACTIC CENTER WORKSHOP
TUCSON, 7 - 11 SEPTEMBER 1998

Workshop Schedule

Sunday, September 6th

17:00-20:00	Registration (Lobby Mezzanine)
19:00-21:00	Reception (Poolside)

Monday, September 7th

Session I: What is the Central Matter Distribution?

Session moderator: Eric Becklin (Seminar Room)

08:55-09:00	Introduction and Workshop Welcome (Angela Cotera)	
09:00-09:30	The Dark Mass in the Center of the Milky Way	*(Reinhard Genzel)**
09:30-09:50	New Proper Motion Data	*(Andreas Eckart)**
09:50-10:10	High Proper Motion Stars in the Vicinity of Sgr A*	*(Andrea Ghez)**
10:10-10:30	Constraints on the mass of SgrA* from its proper motion	*(Mark Reid)**
10:30-11:00	Coffee Break (Canyon Suite II)	
11:00-11:30	NICMOS observations of the central Parsec	*(Marcia Rieke)**
11:30-11:50	NICMOS Observations of the Central Parsec: Deep Imaging at 1.6 microns, Short-Term Variability, and Ionized Emission	*(Susan Stolovy)**
11:50-12:30	Discussion	
12:30	Lunch (Sundance Cafe)	

Session II: Can VLBI constrain the size and structure of Sgr A*?

Session moderator: Anton Zensus (Seminar Room)

14:30-14:50	Corruption of the Visibility of Sgr A* by Intervening Plasma	*(Don Backer)**
14:50-15:10	7mm evidence for intrinsic source size and structure of Sgr A*	*(K.Y. Lo/J.H. Zhao)**
15:10-15:30	7 mm VLBI Imaging of Sgr A*	*(Geoff Bower)**
15:30-15:50	Millimeter Observations of Sgr A*	*(Thomas Krichbaum)**
15:50-16:20	Coffee Break (Canyon Suite II)	
16:20-16:40	86GHz VLBI observations of Sgr A*	*(Shep Doeleman)**
16:40-17:00	Flare of Sgr A* at 100 Ghz	*(Masato Tsuboi)**
17:00-18:00	Discussion	
20:00	Volleyball (Sportsfield, Volleyball Courts)	

Tuesday, September 8th

Session III: How to reconcile Models and Observations of Sgr A*?

Session moderator: Reinhard Genzel (Seminar Room)

09:00-09:30	Introduction	*(Fulvio Melia)**
09:30-09:50	Explaining the spectrum of Sgr A* using a two temperature plasma	*(Rohan Mahadevan)**
09:50-10:10	The Influence of an Advection-dominated Accretion Flow on the Appearance of Sgr A*	*(T. Beckert)**
10:10-10:40	Coffee Break (Canyon Suite II)	
10:40-11:00	The jet model for Sgr A* and the nature of the submm-bump	*(Heino Falcke)**
11:00-11:20	Sgr A* - The radio spectrum	*(Wolfgang Duschl)**
11:20-12:20	Discussion	
12:20	Lunch (Sundance Cafe)	

Session IV: Morphology and Gas Dynamics within Sgr A West: How are the various components of Sgr A West related?

Session moderator: Peter Mezger (Seminar Room)

14:20-14:50	The Various Components of the Sgr A Complex and their Interrelationship	*(Farhad Yusef-Zadeh)**
14:50-15:10	3D Simulations of the Gas Dynamics in the Central Region	*(Robert Coker)**
15:10-15:30	Proper Motions and Structure of the Radio Components around Sgr A*	*(Jun-Hui Zhao)**
15:30-15:50	Sgr A* in the Mid-Infrared Reference Frame: The Relationship Between the Radio and Infrared Sources in the Central Parsec	*(Dan Gezari)**
15:50-16:20	Coffee Break (Canyon Suite II)	
16:20-16:40	Mid-infrared observations of Sgr A West from Keck	*(Angela Cotera)**
16:40-17:00	Theoretical studies of the Circumnuclear Disk	*(Robert Sanders)**
17:00-18:00	Discussion	

Wednesday, September 9th

08:00-12:00	Arizona Sonoran Desert Museum	
12:00	Lunch (on your own)	

Session V: How, when, where and why are stars formed in the GC?

Session moderator: Kris Sellgren (Seminar Room)

13:30-13:50	Stellar Content of the Galactic Center	*(Bob Blum)**
13:50-14:10	Stellar Content of the central 30pc	*(Peter G. Mezger)**
14:10-14:30	The star formation/AGN connection in the GC and Other Galaxies	*(George Rieke)**
14:30-15:00	Discussion	
15:00-15:30	Coffee Break (Canyon Suite II)	
15:30-15:50	Properties of stars in the galactic center	*(Thomas Ott)**

15:50-16:10	The Arches Cluster	*(Gene Serabyn)**
16:10-16:30	NICMOS observations of the Quintuplet Cluster	*(Don Figer)**
16:30-16:50	Theoretical modelling of stars	*(Paco Najarro)**
16:50-17:30	Discussion	
18:30	No host Cocktail Hour (The Last Territory)	
19:30	Workshop Banquet (The Last Territory)	

Thursday, September 10th

Session VI: What is the metallicity as determined by old and new stars?

Session moderator: Wolfgang Duschl (Seminar Room)

09:00-09:20	Stellar abundances at the GC	*(Solange Ramirez)**
09:20-09:40	OH/IR stars as signposts for ancient starburst activity in the Galactic center	*(Lorant Sjouwerman)**
09:40-10:00	Discussion	
10:00-10:30	Coffee Break (Canyon Suite II)	

Session VII: How do the various components of the inner 100 parsecs interact with each other?

Session moderator: Miller Goss (Seminar Room)

10:30-10:50	Wide-field Imaging of the Galactic Center	*(Namir Kassim)**
10:50-11:10	Sgr East and it's interactions with the surrounding gas	*(Robert Zylka)**
11:10-11:30	Recombination lines from the SgrA complex near 20 cm	*(K.R. Anantharamaiah)**
11:30-12:00	Discussion	
12:00	Lunch (Sundance Cafe)	
14:00-14:20	OH 1720 MHz Masers at the GC	*(Mark Wardle)**
14:20-14:40	Free Electrons and Radio-Wave Scattering in the GC	*(T. Joseph Lazio)**
14:40-15:30	Discussion	
15:30-16:00	Coffee Break (Canyon Suite II)	

Session VIII: What is the strength of the magnetic field in the GC and what are its large and small scale effects?

Session moderator: Yoshiaki Sofue (Seminar Room)

16:00-16:20	Magnetic Fields in the Sagittarius A region	*(Doug Roberts)**
16:20-16:40	Far-infrared/Submillimeter Polarimetric Observations of the Galactic Center	*(Giles Novak)**
16:40-17:00	The Galactic Center Radio Threads: A Multifrequency, Polarimetric Study	*(Cornelia Lang)**
17:00-17:30	Discussion	
19:30	Tour of the Mirror Lab (meet in the Seminar Room)	

Friday, September 11th

Session IX: How "standard" are the central regions of our Galaxy? What would the GC look like from 1 Mpc?

Session moderator: Heino Falcke (Seminar Room)

09:00-09:20	The GC in comparison to AGN	*(Ski Antonucci)**
09:20-09:40	The MIR Spectrum in the GC: a Starburst Nucleus	*(Janet Simpson)**
09:40-10:00	Discussion	
10:00-10:20	Coffee Break (Canyon Suite II)	

Session X: What can we learn from High-energy emission in the GC?

Session Moderator: Fulvio Melia (Seminar Room)

10:20-10:40	Cosmic rays in the GC	*(Peter Biermann)**
10:40-11:00	γ-rays from the GC: A Point-like or Diffuse Source?	*(Sera Markoff)**
11:00-11:20	The Galactic Center EGRET Source and the Broad-band Spectrum of Sgr A East	*(Marco Fatuzzo)**
11:20-11:40	Cold Matter measurements in the GC with the X-ray satellite ASCA	*(Masaaki Sakano)**
11:40-12:00	Coffee Break (Canyon Suite II)	
12:00-12:30	Discussion	
12:30-13:00	Closing Thoughts and Workshop Summary	*(Charles Townes)**
14:00	Leave for the Grand Canyon (optional)	

All Week

POSTER SESSION

(only first Author is listed here, poster size is 4x4 ft.)

Accretion Disk Instabilities in the Vicinity of Black Holes	*(W. Auer)**
Gas Streamer Feeding the Circumnuclear Disk	*(Alison Coil)**
EDAF models for Sgr A*	*(Alina-Catalina Donea)**
SHARC 350 micron Mapping of the Galactic Center from the Caltech Submillimeter Observatory	*(C. Darren Dowell)*^{x}
Acceleration processes towards a quasi-monoenergetic electron distribution	*(Zeno Jauch)**
A Wide Field Image of the Galactic Center Region at 330 MHz	*(Ted LaRosa)*^{x}
ASCA Observations of the Sgr A region	*(Y. Maeda)**
Is the Sgr B2 cloud an X-ray Reflection Nebula?	*(Hiroshi Murakami)*^{x}
Life Time of the Radio Arc Filaments determined by mm-Wave Observations with the 100-m Telescope	*(Y. Sofue)**
Spatially Resolved Dust Shells in the Central Parcec	*(Angelle Tanner)**
The Minispiral revisited	*(Bernd Vollmer)**
Physical Properties of OH/IR Stars Close to the Galactic Center	*(Anders Winnberg)**