

**ASPH SENIOR THESES/FUTURE PLANS/THESIS ADVISORS  
(2003-2006)**

Academic Year	NAME	MAJOR	GENDER	ETHNICITY	THESIS ADVISOR	GRAD SCHOOL/JOB	SENIOR THESIS TITLE	Email address
<b>2002-2003</b>								
<b>FALL</b>	Xander Dearborn	PHYS	M		Peter Eggleton	unknown	Evolving the Abnormal Binary, OW Gemini	unknown
	Mathew Auric	PHYS	M		Greg Laughlin	unknown	A Search for Comet Meteoroid Streams	unknown
<b>SPRING</b>	Sloane Wiktorowicz	PHYS	M		David Koo	Cal Tech, Geological and Planetary Sciences Division	Morphologies of Distant Galaxies	<a href="mailto:sloane@gps.caltech.edu">sloane@gps.caltech.edu</a>
	Tero Isotalo	PHYS	M		Piero Madau	Tampere University of Technology, Finland	The Mass Function of Dark Matter Halos	<a href="mailto:tero.isotalo@tut.fi">tero.isotalo@tut.fi</a>
	Laura Bost	PHYS	F		David Koo	unknown	A Search for High-Redshift Compact Groups of Galaxies	unknown
<b>2003-2004</b>								
<b>FALL</b>	Rick Terry	ASPH	M		Greg Laughlin	unknown	Planetary Transits	unknown
<b>WINTER</b>	Adam Bluestein	ASPH	M		Greg Laughlin	unknown	Simulated Methods of Indirectly Detecting Extrasolar Planets	unknown
<b>SPRING</b>	Joshua Arciniega	ASPH	M	Mexican	Anthony Aguirre	Employed in local restaurant	Employing the Pixel Optical Depth Method in Comparison of Realistic Hydrodynamic Cosmological Simulations with Observation	<a href="mailto:joshua_arciniega@excite.com">joshua_arciniega@excite.com</a> ,
	Raman Narayan	ASPH	M	East Indian/ Pakistani	Doug Lin	San Francisco State	Detectability of Hot Earths Using the Doppler Method	<a href="mailto:rnarayan@stars.sfsu.edu">rnarayan@stars.sfsu.edu</a>
	Denise Spangler	PHYS	F		Piero Madau	Durham University	The Red Damping Wing of the Gunn-Peterson Trough: Investigation Through Hydrogen's Cross Section	<a href="mailto:denise.spangler@durham.ac.uk">denise.spangler@durham.ac.uk</a>

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<b>SUMMER</b>	Shawna Bushart	ASPH	F		David Smith	software engineer	A Recent Outburst of Black Hole Binary GX 339-4: A Study of its Temporal Behavior and State Transition	shawna@bushart.com
	Stephane Herbert-Fort	ASPH	M		Xavier Prochaska	University of Arizona	Strong Metal Absorption in Young Galaxies	<a href="mailto:shf@ucolick.org">shf@ucolick.org</a>
	Jennifer Holt	ASPH	F		Sandy Faber	Technical Staff Gemini Observatory	The Magnitude-Size Relation of Early-Type Galaxies	<a href="mailto:jholt@gemini.edu">jholt@gemini.edu</a>
	Nicholas Jhirad	ASPH	M	East Indian/ Pakistani	Joel Primack	UCSC--AMS Dept	Remnants: The Fundamental Plane and Dark Matter Central Distributions	<a href="mailto:shapenaji@gmail.com">shapenaji@gmail.com</a>
	Brian Lemaux	ASPH	M		Raja GuhaThakurta	UC Davis	Search for Lyman Alpha Emitters and Other High Redshift Galaxies in DEEP2	<a href="mailto:lemaux@physics.ucdavis.edu">lemaux@physics.ucdavis.edu</a>

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<b>2004-2005</b>	<b>NAME</b>	<b>MAJOR</b>	<b>GENDER</b>	<b>ETHNICITY</b>	<b>THESIS ADVISOR</b>	<b>GRAD SCHOOL/JOB</b>		
<b>FALL</b>	John Bavier	PHYS	M		Bill Mathews	Conservation Fund/IT Support	Acoustic Sound Production from Nonlinear Ultrasonic Waves	<a href="mailto:johnbavier@hotmail.com">johnbavier@hotmail.com</a>
<b>WINTER</b>	Vanessa Bell	ASPH	F	Other Asian	David Smith	San Francisco State	Giant Flares From Cygnus X-1 and Vela X-1	<a href="mailto:vbelle@stars.sfsu.edu">vbelle@stars.sfsu.edu</a>
	Jared Macbeth	ASPH	M		unknown			unknown
	Summer Sands	ASPH	F		Michael Bolte	Natural Heritage Research Asst.	A Pilot Study of the Extensive Data Set Collected for NGC 6752	unknown
<b>SPRING</b>	Michael Tobler	ASPH	M		Joel Primack	Aeon Corporation/Foreign Language Teacher	Recent Findings in the Modeling of Galaxy Mergers	<a href="mailto:sabin76@hotmail.com">sabin76@hotmail.com</a>
<b>SUMMER</b>	Zachary Goldbeck	ASPH	M		Peter Bodenheimer	unknown	Computer Simulation of Planetary Formation	unknown

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2005-2006	NAME	MAJOR	GENDER	ETHNICITY	THESIS ADVISOR	GRAD SCHOOL/JOB	SENIOR THESIS TITLE	Email address
FALL	Aaron Wolf	PHYS	M		Greg Laughlin	Cal Tech	A Determination of the Spin-Orbit Alignment of the Anomalously Dense Planet Orbiting HD 149026	<a href="mailto:awolf@gps.caltech.edu">awolf@gps.caltech.edu</a>
	James Real	PHYS	M		Connie Rockosi	unknown	The Radial Velocity Dispersion Profile of the Milky Way's Dark Matter Halo	unknown
WINTER	Albert Briseno	ASPH	M	Mexican	Greg Laughlin	unknown	A Large-Scale Monte-Carlo Simulation of the Formation of Extrasolar Planetary Systems in Low-Order mean Motion Resonances	unknown
	Tela Favalaro	ASPH	F		Joel Primack	unknown	A Comparison of Measurements of the Fraction of Merging Galaxies to Redshift 1.4	<a href="mailto:tela_a2@hotmail.com">tela_a2@hotmail.com</a>
SPRING	Bryan Anderson	ASPH	M		Clem Heusch	Fox Racing Shox/R&D Engineering Technician	An Examination of Bicycle Rear Suspension in Relation to Axle Path and Energy Transfer from the Rider	<a href="mailto:banderson@foxracingshox.com">banderson@foxracingshox.com</a>
	Eitan Anzenberg	ASPH	M		David Williams	Boston University	GRB Scaler Data Analysis Using the Milagro Detector	<a href="mailto:eitan@physics.bu.edu">eitan@physics.bu.edu</a>
	Gabe Armas-Cardona	ASPH	M		Tony Tyson - UC Davis/Clem Heusch	Tutor, Revolution Prep	A Combined Sunyaev-Zel'Dovich Effect and Lensing Analysis of the Mass Distribution of ABELL 1689	unknown
	Cooper Downs	ASPH	M		Bud Bridges	University of Hawaii	Local Structure Studies of Two Novel Materials Using EXAFS	<a href="mailto:cdowns@ifa.hawaii.edu">cdowns@ifa.hawaii.edu</a>
	Carynn Luine	ASPH	F		Raja GuhaThakurta	Cal State Long Beach soon to be teacher high school physics	The Chemical Composition of Metal Poor Red Giant Stars in the Andromeda Galaxy and its Companions	<a href="mailto:zachaa@gmail.com">zachaa@gmail.com</a>
	Maureen Patterson	ASPH	F		Hartmut Sadrozinski	SCIPP - Technical Staff	Resolution of a PMMA Phantom Using 200 MeV Protons	<a href="mailto:mkp@scipp.ucsc.edu">mkp@scipp.ucsc.edu</a>
	Miguel Rocha	ASPH	M	Mexican	Joel Primack	UC Irvine	Simulations of Dust Extinction in Isolated Galaxies	<a href="mailto:miquelitorochiando@yahoo.com">miquelitorochiando@yahoo.com</a>

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	Haik Stepanian	ASPH	M		Greg Laughlin	Math, UC Merced	On Magnetocentrifugal Acceleration as the Primary Mechanism for Angular Momentum Transfer in Active Galactic Nuclei	unknown
<b>SUMMER</b>								

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<b>Fall</b>	Katharine Fayram	ASPH	F		Raja GuhaThakurta	Loan Officer in Riverside, CA	The Nature of Serendipitously Detected Emission Line Galaxies in the DEEP2 Galaxy Redshift Survey of the Extended Groth Strip	<a href="mailto:the.girl.next.door@lycos.com">the.girl.next.door@lycos.com</a>
	Ashley Jones	ASPH	F		Graeme Smith	SCIPP-ended 7/07 University of Florida	Evolutionary Relation to Chromospheric Activity of Main Sequence Stars	<a href="mailto:saturns_rings6@yahoo.com">saturns_rings6@yahoo.com</a>
<b>Winter</b>	Jeffrey Lewis	ASPH	M		Rachel Dewey	unknown	Radio Observations of the Galactic Plane	<a href="mailto:jilewis@ucsc.edu">jilewis@ucsc.edu</a>
	Robert Evans	PHYS	M		Graeme Smith	Currently job searching	An Analysis of Activity in the stellar Atmospheres of Giant and Main Sequence Stars	<a href="mailto:bluesun.3030@gmail.com">bluesun.3030@gmail.com</a>
<b>Spring</b>	Elizabeth Chudwick	ASPH	F		Jason Kalirai/ Clem Heusch	Exploratorium- San Francisco - then graduate school	Determining the Properties of NGC 6791 Through Photometry	<a href="mailto:echudwic@ucsc.edu">echudwic@ucsc.edu</a>