

Influence of the cluster environment on the galaxy-halo connection

Urgemgt<Dr. Anna Niemiec (University of Michigan)

Vkog<March 29, 2019 - 3:00 PM

Nqecvkqp< Loyola 171

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Distant Galaxy Clusters Revealed by Spitzer and HST

Urgemgt<Dr. Gaël Noirot (SMU)

Vkog<March 22, 2019 - 3:00 PM

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Winds of Change Around Black Holes

Urgemgt<Gregory Sivakoff (University of Alberta)

Vkog<"November 23, 2018 - 3:00 PM

Nqecvkqp< Atrium 101

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WKHVH ZLQGV RI FKDQJH LQ WKH QH[W GHFDGH

The Brightest Light in Canada

Urgcmgt<Jeff Warner (Canadian Light Source)

Vko g<"November 21, 2018 - 3:00 PM

Nqecvkqp< AT305

The Canadian Light Source National Synchrotron began collecting data in 2005 and has been under continual construction, upgrading or adding new capabilities, since that time. Synchrotrons provide extremely bright tunable x-rays that are relevant for many different types of measurements. The current suite of techniques with some select case studies is reviewed as well as new strategic directions. Programs such as our small molecule and powder x-ray diffraction will be introduced as well as simplified access initiatives.

White Dwarfs in Globular Clusters and the Field

Urgcmgt<Jason Kalirai (STScI)

Vko g<"November 9, 2018 - 3:00 PM

Nqecvkqp< Atrium 101

7 KH OLIHF\FOHV RI PRVW VWDUV ZDQW & K D8QHL YZHUVUHH HQGDUQ W&M
WKHLU QXFOHDU IXHO DQG IDGH WKH U PWDOP HSQHWWUD CZKDMARLQPS VKFIL
RI WKHVH VWDUV DQG WKHLU VWHU LUWKWD BNUDEOGL ERRDQIOW VS KQWL
DQG DOLQN WR KWKLU ISYDRQHQWL & RMRNODRZL RQ VWKHWQLRVW DQFH D V
LQGLYLGXDO ZKLW HWGZ DWHIP SBIQ DMDXUHDPYXVIDFRHR O U Q Y DJH DQG
OXPLQRVLW\ 7KURXJK D FRPELQDW HRQLRD JKILQK S Q G I R UJKD QVKHU R
JURXQG EDVHG VSHFWURVFRS\ ZH KYLHWQIRQZSWRVEHLQ W KZL GSU RUDHQW
SRSXODWLRQV IURP WKH ILHOG OMHNIV: DVS DQ QRQH QD DEQGR DQ RUECX
DJHV , QWHUSUHWDLRQ RI WKRQHVWDWIDDUW IP DSUVR O IRGLVQ JV QIHIZ

V F D O H V W K H F K U R Q R O R J \ R I W K H Q L R O N F Q D V W M K H G W Q D P I L Q D W L H D C Q G P R U H , Q P R K D U L M H D Q V N K H , Q Q D O M R V E X W U U Y H D W A X L O R V Q W I R U R Z P K L W H G Z D U I : D \ D Q G R I I H U V R P H W K R X J K W V R Q [W R J H Q I H U F D V Q L E R K Q V Q D Q H M H U U D R J H C W H O H V F R S H V D Q G L V 6 Z R W R H Q W W H R Q Q H W K G L P H Q V L R Q V

Enabling Infrared Surveys of Gala

The intergalactic medium at the end of reionization

Urgmgt<"Laura Keating (CITA, University of Toronto)
Vlo g<"October 26, 2018 - 3:00 PM
Nqecvqpk Loyola 171

PhD Thesis Defense: Integrated Light Stellar Population Synthesis of Globular Clusters
Using Non-Local Thermodynamic Equilibrium Modelling

Urgemgt<"Mitchell Young
Vlog<"October 18, 2018 - 1:00 AM
Nqecvkqp< Loyola 188

: H SUHVHQW DQ IKQHYHORVELXO DWLFCQURS RWKHQD W L R Q H V O O DW K H V L
0F:LOOLDP % H U Q V W H L Q I R F DWLQRUVRSQHWKHF QRSQD DW FR
WKHUPRG\QDPLF HTXLOLEULXP 1 / 7 U SPRRGH CZHQK DHMHHJHMQH U
FRPSUHKHQVLYH UXO\RI/ERWKEUQSHLYW G DDOQGWFHQQQLLQ X D
LQWHJUDWHG QDLQGWFR,QWLSQHEDWUTKSHD QWHDQD H QDQUBV LQ
DQG >0 +@ DQFHG VI RUHSURDGQXG 0B6XQRDQGSMKDRHQHKDUQFHHPH
FRYHULQJ WKH SDILDSRISWHDW\$BRQHPORIPEEUHDUM V\$BQV/WR
DJH DQG WR FRYHULQJ QJ WQHDIQDROWLBBQJH DRJHV DQG W
PDMRULW\ RI WKMDDOIDFWLF G&VRSHUFVXWORQLEUJH\,LWXVHC
-RKQVRQ &RXVLQV % H R Q R Q U 8 % 9V H Q H V E W U DOWIHBRW,XUHSVWR F
PHWDQOLFLW\ DQG IRU GHULYLQDOWRWWDFJBDQGCRQHPHHWDOJDJ

R X W I O R Z V R Q V F B Q H Q V L R I H W U K H J L H P Q U V E G I L V O S H H Q W D I B R V L F Q R I S D U H Y H
W K H P R V W H [W U H P H L R Q L] H G J D V Y L H Q Q G R L F F D W M L H Q V J R Z E V Q G U V \$ H G H
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X V L Q J V \ Q F K U R W U R Q H P L V V L R Q I U B P Q V G K H V I D R N F H N Q V W R Q H H W D H
U H V X O W V S U R Y L G H R Q D D R O E Z V Q Q G R E V I F Q U V Q L V P P S / R R M J D D Q Q W D [R H J U R Z
T X H Q F K L Q J Y L D T X D V D U I H H G E D F N

Rare Isotope beams (RIB) at TRIMF

Less than 1 billion year after the Big Bang (< 8% of today's age of the Universe), the cosmic star formation rate and stellar mass density of galaxies increased by more than one order of magnitude, a gradient steeper than at any other time. Hence it is expected that galaxies during this early rapid growth phase show significantly different spatial and physical properties compared to galaxies at later times. I present how observations with Spitzer, the Atacama Large Millimeter Array (ALMA), and the HST help us to study and understand this impor

