

CHARA Instrumentation and Science Meeting – Meudon

Monday, March 12, 2018

| <i>Session Chair</i> | <i>Topic - CHARA Updates and Instrumentation</i> | <i>Speaker</i> | <i>Length</i> | <i>Start Time</i> |
|----------------------|---|--------------------------|---------------|-------------------|
| | <i>Registration</i> | | 30 | 9:30 AM |
| Pierre Kervella | Welcome | Vincent Coude du Foresto | 10 | 10:00 AM |
| | CHARA Year in Review | Douglas Gies | 20 | 10:10 AM |
| | CHARA Array instrumentation progress: Telescopes, Alignment, Light Sources, and Adaptive Optics | Theo ten Brummelaar | 20 | 10:30 AM |
| | ALPAO new projects and CHARA DMs development update | Bertrand Charlet | 20 | 10:50 AM |
| | Hardware Upgrades | Matt Anderson | 20 | 11:10 AM |
| | <i>Coffee Break</i> | | 25 | 11:30 AM |
| Katie Gordon | Observing and Scheduling Statistics | Christopher Farrington | 15 | 11:55 AM |
| | Control System Upgrade | Nils Turner | 15 | 12:10 PM |
| | The CHARA Server: Remote Data Reduction, Remote Observing, and the Database | Jeremy Jones | 20 | 12:25 PM |
| | Latest developments of JMMC tools and database | Gilles Duvert | 20 | 12:45 PM |
| | <i>Lunch</i> | | 85 | 1:05 PM |
| Arturo Martinez | Update on MIRC-X instrumentation work | Stefan Kraus | 20 | 2:30 PM |
| | Characterization of the new e-APD camera of MIRCX | Cyprien Lanthermann | 20 | 2:50 PM |
| | Plans for the MYSTIC Combiner | John Monnier | 20 | 3:10 PM |
| | Pipeline of MIRCX/MYSTIC : status and performance | Jean-Baptiste Le Bouquin | 20 | 3:30 PM |
| | Deformable mirror tests aimed to improve fiber coupling efficiency of JouFLU | Stefan Kuiper | 20 | 3:50 PM |
| | <i>Coffee Break</i> | | 25 | 4:10 PM |
| Roxanne Ligi | VEGA status report and recent results | Karine Perraut | 20 | 4:35 PM |
| | Long baseline interferometry in the visible: FRIEND project achievements and prospects | Marc-Antoine Martinod | 20 | 4:55 PM |
| | The ALOHA@CHARA L band project | Francois Reynaud | 20 | 5:15 PM |
| | The ALOHA@CHARA experimental developments | Lucien Lehmann | 20 | 5:35 PM |
| | <i>End of Day</i> | | | 5:55 PM |
| | Wine and Cheese | All | | 6:00 PM |

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Tuesday, March 13, 2018

| <i>Session Chair</i> | <i>Topic - Other Facilities and Science</i> | <i>Speaker</i> | <i>Length</i> | <i>Start Time</i> |
|-----------------------------|--|-----------------------|----------------------|--------------------------|
| Jeremy Jones | Synergies between the CHARA Array and VLTI | Antoine Merand | 20 | 9:45 AM |
| | NPOI Update | Gerard van Belle | 20 | 10:05 AM |
| | MROI - what's happening | David Buscher | 20 | 10:25 AM |
| | Design, fabrication and delivery of the MROI Unit Telescope Enclosure - an unique technical achievement. | Ifan Payne | 20 | 10:45 AM |
| | <i>Group Photo</i> | | 10 | 11:05 AM |
| | <i>Coffee Break</i> | | 25 | 11:15 AM |
| Stefan Kraus | Visibility Calibration and Community Access Time | Gail Schaefer | 20 | 11:40 AM |
| | New image reconstruction codes: machine learning and surface imaging | Fabien Baron | 20 | 12:00 PM |
| | Imaging Spotted Giant Stars | Rachael Roettenbacher | 20 | 12:20 PM |
| | Cepheids and Gaia's second data release | Pierre Kervella | 20 | 12:40 PM |
| | <i>Lunch</i> | | 90 | 1:00 PM |
| Karine Perraut | CHARA/VEGA focus on classical Be stars and hot supergiants | Robert Klement | 20 | 2:30 PM |
| | RY Tau and HD 142666: insights from the CLIMB YSO survey | Claire Davies | 20 | 2:50 PM |
| | Sublimation fronts in the highly inclined disk of the T-Tauri star SU Aurigae | Aaron Labdon | 20 | 3:10 PM |
| | Transitional Disk around MWC 614 | Jacques Kluska | 20 | 3:30 PM |
| | <i>Coffee Break</i> | | 30 | 3:50 PM |
| Rachael Roettenbacher | Angular Diameters and Effective Temperatures of O and B Stars | Katie Gordon | 20 | 4:20 PM |
| | From stellar to planetary parameters: the input of high angular resolution | Roxanne Ligi | 20 | 4:40 PM |
| | Current work in Speckle interferometry | Nic Scott | 20 | 5:00 PM |
| | High-contrast interferometry: science case and measurement approach | Denis Defrere | 20 | 5:20 PM |
| | Detecting faint binary companions using phases | Henrique Schmitt | 20 | 5:40 PM |
| | <i>End of Day</i> | | | 6:00 PM |

CHARA Instrumentation and Science Meeting – Meudon

Wednesday, March 14, 2018

| Session Chair | Topic - Future Perspectives | Speaker | Length | Start Time |
|----------------------|---|-------------------|---------------|-------------------|
| Robert Klement | Recent progresses of the SPICA project | Denis Mourard | 20 | 9:45 AM |
| | Definition of a 6-beam fringe tracker for SPICA | Frederic Cassaing | 20 | 10:05 AM |
| | Preliminary characterisation of J and H band-six telescope discrete beam combiner | Ettore Pedretti | 20 | 10:25 AM |
| | Discrete beam combiners from visible to mid-infrared | Stefano Minardi | 20 | 10:45 AM |
| | <i>Coffee Break</i> | | 30 | 11:05 AM |
| Claire Davies | CHARA Futures | Douglas Gies | 45 | 11:35 AM |
| | Discussion | ALL | 40 | 12:20 PM |
| | <i>End of Day</i> | | | 1:00 PM |