ULTIMATE-Subaru Collaboration Meeting 2018 (2018/1/15)

ULTIMATE-Subaru Collaboration Meeting 2018 ~ Welcome Announcement ~

Yusei Koyama / Yosuke Minowa (Subaru Telescope)

ULTIMATE-Subaru Working Group
Subaru wide-field strategy to 2020s

(More on the Subaru direction by our Director, M. Yoshida)

Dark nights

Bright nights

PFS

(\sim 2020\-)  

HSC

(2013\-)

ULTIMATE

(\sim 2025\-)

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ULTIMATE-Subaru: GLAO + new IR inst.

(ULTIMATE-Subaru overview talk by Minowa-san)
Uniqueness of ULTIMATE

• Wide FoV (~15’), everywhere on sky
• High spatial resolution (~0.2” @ K-band)
  – Comparable to HST/WFIRST. Note: 0.32” at VLT site
• Improved sensitivity (~0.75 mag deeper)

With GLAO (0.2”)
seeing
JSPS Grand-in-Aid budget approved (FY2017-FY2021)
[See Akiyama-san’s talk today]

FWHM~0”.2

Laser tomography with 4 SH-WFS

2019

2021

4 laser guide star system with TOPTICA fiber laser
This Meeting

• This is the first “collaboration meeting” of ULTIMATE-Subaru to discuss with “potential partners” on:
  – project management, roadmap to realize ULTIMATE-Subaru
  – possible international collaboration (science & development)

• Special thanks to participants from outside Japan:
  – Shiang-Yu Wang, Yen-Ting Lin (ASIAA, Taiwan)
  – Luc Simard, Dennis Crabtree (NRC, Canada)
  – Simon White, Chris Lidman (AAO, Australia)
  – Visa Korkiakoski, Blair Conn (ANU, Australia)

• This meeting is partly supported by Subaru International Operation Workshop support program.
Program (day 1)

https://www.naoj.org/Projects/newdev/ngao/201801_collabo_mtg/index.html

# Technical & Management Session #

10:30-10:40 Opening announcement (Yusei Koyama)
10:40-10:55 Opening remark (Michitoshi Yoshida)

[Chair, Ono]
10:55-11:25 ULTIMATE project overview (Yosuke Minowa)
11:25-11:45 ULTIMATE-START (Masayuki Akiyama)
11:45-12:05 ULTIMATE AO simulation (Visa Korkiakoski)
12:05-12:25 ULTIMATE instrument plan (Takashi Hattori)

12:25-14:00 Lunch (Bento)

[Chair, Ohashi]
14:00-14:20 Collaboration framework (Ikuru Iwata)
14:20-14:40 AAO (Simon Ellis)
14:40-15:00 ANU (Blair Conn)
15:00-15:15 ASIAA (Shiang-Yu Wang)
15:15-15:30 ASIAA (Yen-Ting Lin)
15:30-15:50 NRC (Luc Simard)
15:50-16:15 Break
16:15-17:15 Discussion (I) - project management (Minowa)
# Science Session #

[Chair=Akiyama]

10:00-10:20 Science team status (Yusei Koyama)
10:20-10:40 High-z imaging (Tadayuki Kodama)
10:40-11:00 High-z MOS (Ken-ichi Tadaki)
11:00-11:20 IFU science (Chris Lidman)
11:20-11:40 Nearby galaxies (Kentaro Motohara)
11:40-12:00 Galactic science (Yusei Koyama)

12:00-14:00 Lunch (@ Pappa Pasta)

14:00-15:00 Discussion (II) - Science (Koyama)

15:00-15:15 Break

15:15-15:50 Summary - A/I toward CoDR2018 (Minowa, Koyama)
15:50-16:00 Closing remarks (Yoshida)
Announcement from LOC

• **Speakers:**
  – We will collect your presentation file to be uploaded on our meeting website. You can remove confidential information.

• **Travel support:**
  – For those who requested travel support from us, please ask your hotel to issue the receipt as early as possible (not at the check-out time) and submit the receipt to us *before* you leave NAOJ (i.e. today or tomorrow). Submission of the hotel receipt is mandatory for the payment.

• **Lunch & Banquet:**
  – Today lunch: we provide lunch box (and have it in this room)
  – Tonight banquet: we have banquet at Kichijoji from 19:00. Details will be announced later today. **Please let me know *by noon today* if you cannot join the banquet.**
  – Tomorrow lunch: go to another restaurant nearby.
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