

High-z and AGN

1. What do we mean by:

- **high-z**
- **AGN?**

2. Define some model cases of collaborations (both science and instrumentation)

*How do we organize medium-to-large class programs other than SSPs? Or do we just follow the current open-use scheme?

3. Feedback to Subaru instrumentation and operation from scientific perspectives?

*Improve awareness of the Subaru partnership in the communities

*How do we deal with ToO programs?

4. Launch science/instrumentation working group in each category for further discussion/contact/mini-workshop?

5. What facilities would Japanese astronomers like to have access to in our partner countries.

1. What do we mean by:

- high-z

$z > 0.2$,

$z > 0.4$,

$z = 0$, 2-4 (AGN),

$z > 2$

- AGN?

AGN hosts

EL regions

AGN-galaxy growth connection

sources of reionization

absorption systems, cosmic chemical evolution

reverberation mapping

intermediate mass BH ($10^3 - 10^{4.5} M_{\text{sun}}$)

ULX

origin & evolution of BHs: seeds and growth rate

2. Define some model cases of collaborations (both science and instrumentation)

*How do we organize medium-to-large class programs other than SSPs? Or do we just follow the current open-use scheme?

- full partnership \longleftrightarrow time purchase \longleftrightarrow time exchange
- contributions: \$\$\$, instrumentation, telescope time exchange, external data
- “Observatory of the Pacific” in the (far?) future

- data exchange (“CLAUDS model”): SCUBA2, radio surveys (AU)
 - joining specific large survey layers
 - doing additional layers (NB imaging, specific classes of targets)

- instruments: ULTIMATE
 - get this into national decadal plans

- big program size:
 - 40 nights good
 - larger programs desirable
 - PI access too (KR, CN, especially)

3. Feedback to Subaru instrumentation and operation from scientific perspectives?

*Improve awareness of the Subaru partnership in the communities

- **AU good awareness**
- **CA: must be in Long Range Plan (decadal survey) to succeed**
- **CN: community fragmented in general, needs to develop & grow more**
- **KR: have large telescope group**

- **EAO a good initiative, but needs to have more bottom-up drive**
 - **need Subaru-EAO users'/science meetings (a la JCMT)**

*How do we deal with ToO programs?

4. Launch science/instrumentation working group in each category for further discussion/contact/mini-workshop?

- too early to have a high-z or AGN WG
- need to build interest first: this needs to be science-driven
- suggest: organize (regular) regional (AU, CA, CN, JP, KR, TW) science meetings, perhaps around rotating science topic (LSS, high-z, etc.)

5. What facilities would Japanese astronomers like to have access to in our partner countries.

- interest in 4m capabilities:
 - CFHT (uband)
 - AAT
- currently working through colleagues provides access for some people
- need to find out if there is wider demand in the Japanese community for this

