Discussion Items (1)

• Killer science?
  - Galaxy anatomy at 0<z<3 in eg. CANDELS/3DHST (SF, AGN, Z, mergers, in/out-flows)
  - HeII, [CIII], [OIII] lines at z>7 (?)
  - Lyα blobs/haloes detection/kinematics
  - Clusters/Protoclusters

• IFU or MOS? (K-band availability)
  complex structure of high-z galaxies
  slit scan (slit loss, seeing variation...
Discussion Items (2)

• K-band (>2μm)?
  Hα, [NII] limited to z<2, but [OIII], Hβ, [OII] to z~3

• Spatial sampling / FoV / Multiplicity / R / λ range
  0.2”/spaxel, 1.8” FoV, ~16-50 IFUs, R~3000 (100km/s),
  JH simultaneous coverage, optical (RI band for z<1)?

• Uniqueness
  Wide-field multi-IFU with AO (KMOS+GLAO)
  Best reuse of existing NIR instruments (MOIRCS)
Discussion Items (3)

• Phase-0.5?
  Multi-IFU with MOIRCS w/o GLAO
  (starbug/fibre/corrector/metrology camera)
  $2-3M??? (Kakenhi)
  Cassegrain modification (NAOJ budget?)
    Decommissioning (FOCAS?), ADC, AGSH?
    Feed to FMOS (0.9<\lambda<1.7\mu m), PFS (0.35<\lambda<1.3\mu m)

• Combined legacy survey (CANDELS)?
  band? depth?
Is ULTIMATE-S really ULTIMATE?

- Do we really want ULTIMATE-Subaru while TMT is coming along?
- TMT-AGE/IRMOS will beat us severely?
- What is the future of Subaru-IR?
- Excellent synergy with ALMA/JVLA (resolution, SFR depth…)?
- Expansion of Keck/Gemini/VLT time exchange programmes?