

IACHEC High-Resolution Working Group 09:00 13 April 2011

- In attendance
 - Jelle Kaastra
 - Yuki Terada
 - Vinay Kashyap
 - Adam Foster
 - Bish Ishibashi
 - Andy Pollock
- Overall objectives
 - Establish Capella wavelength benchmarks
 - Atomic physics
 - Spectral models
 - Instrument calibration
 - Solar comparison
- Data
 1. HETG [**Dave, Andy**]
 - HR rmf required
 2. RGS [**Andy**]
 3. LETG [**Vinay Kashyap**]
 - **ACIS**
 - **HRC**
- Detailed objectives
 - Describe Capella spectrum
 - Lines
 - Continuum
 - Assess models
 - ATOMDB [**Adam Foster**]
 - $T \pm \Delta T$
 - $Z \pm \Delta Z$
 - $f \pm \Delta f$
 - $\lambda \pm \Delta \lambda$
 - SPEX [**Jelle Kaastra/Ton Raassen**]
 - $T \pm \Delta T$
 - $Z \pm \Delta Z$
 - $f \pm \Delta f$
 - $\lambda \pm \Delta \lambda$
 - empirical [**Andy**]
 - $\lambda \pm \Delta \lambda$
 - $f \pm \Delta f$
 - Others ?
 - DEM
 - HULLAC
- Methods
 - Divisions of labour among Capellini
 - 1Å intervals
 - Ion
 - Interfaces
 - IACHEC Twiki

- Deliverables lists (with errors)
 - λ
 - MEG peak counts
 - HEG peak counts
 - Ion+transition
 - Comment
 - **Standard ASCII format**
 - # Comment lines
 - # Author
 - # MEG continuum level = %5.1f
 - # HEG continuum level = %5.1f
 - "%7.3f ± %7.3f %i5 %i5 %s %s"
 - Raw material
 - MEG pha
 - arf, rmf
 - HEG pha
 - arf, rmf
 - Initial line list
 - Initial model xcm files
 - Methods
 - Point & click
 - Completeness is most important
 - Quality control
- Schedule
 - 1Å intervals end July
 - Ion end September
- Actions
 - Post Phillips+ 1999 solar spectrum : Kaastra
 - Wavelength scale definition : Vinay & Dave & Bish
 - Systematics ?
 - Post ISIS $\Delta\lambda$ script : Bish
 - Post SPEX $\Delta\lambda$ script : Jelle & Bish
 - HR HETG matrices : Vinay
 - $\Delta\lambda=0.10\text{mÅ}$ if possible
 - Formal agreements : Andy