

Status and work plan

- CSS status
 - Successful launch of 1st module of CSS in April 29th, 2021.
 - CSS will be fully operational in 2022 and will start its operation phase
- HERD status
 - Successful reviews at mission level in March and at space-application level in April
 - (expected) Final adoption in China and MoU between agencies
- 1. To freeze science requirements
 - 1.1 To list diverse sciences that HERD can do
 - 1.2 To list basic scientific requirements on payload and platform
 - 1.3 To provide quantitative performances (acceptance, e/p separation, charge reso., angular reso., eff. area, trigger. See [slides 20210427](#))

Payload work plan

- 2. Payload work plan
 - 2.1 To consolidate payload configuration
 - 2.2 To finish design of instruments
 - To meet science requirements by finishing layout design of detectors -
 - CALO shape; PD channels; PSD geometry; FIT/SCD layer; TRD area
 - SCD hermeticity vs. geometric factor, PSD hermeticity vs. LEG trigger, FIT hermeticity vs. effective area, etc.
 - To describe instrument constitution, and finish preliminary design of mechanics, electronics, data and thermal dissipation -
 - To list engineering requirements on payload and platform
 - 2.3 Technical Readiness Level (TRL)
 - ISO 16290, Space systems - Definition of the Technology Readiness Levels (TRLs) and their criteria of assessment
 - 2.4 Interface Control Document (ICD), etc.

Management work plan

- 3. Programmatic & management related
 - 3.1 MoU between agencies
 - 3.2 Project Implementation Plan (PIP, or bylaw)
 - Science and project management
 - Product matrix
 - Master schedule (2021~2027)
 - Payload responsible
 - Product Assurance, etc.
 - Other specific documents