

Charges on these accounts will be redistributed to sponsored awards.
Please verify that charges follow sponsored funds guidelines and are allowable.

| X-Ray Operations | | (control account U553800) | | START 8/1/2019 last updated 12/12/2023 | |
|------------------------------------------------|----------|---------------------------|---------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Code | WBS | Non Fab | Fab | Approvals | Description |
| CHESS Operations | | | | | |
| | XR_1.1 | U553801-XR11 | | Moring | Related to user operation, servicing users, shifting, experimental needs, lab supplies, gases, chemicals. Also stand alone capital equipment. |
| | XR_1.2 | | U553811-XR12 | Moring | Fabrication labor and materials for things essential to CHESS Operations (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| CHESS Technical Support | | | | | |
| | XR_2.1 | U553802-XR21 | | Conolly | Includes repair , maintenance and testing/commissioning of; CHESS beamlines, standard experimental equipment, upgrade projects, tools, vacuum systems, optics, beamline controls, bpm, alarms, interlocks, data collection devices, PPS, EPS, detectors, cryocoolers, spares. Also stand alone capital equipment. (Other than partner projects) |
| | XR_2.2 | | U553812-XR22 | Conolly | Fabrication labor and materials for things essential to CHESS Technical Support (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| | XR_2.2.1 | | U553812-XR221 | Conolly | Fabrication labor and materials for things essential to S1 Cave Upgrade. |
| IT/Computing | | | | | |
| | XR_3.1 | U553803-XR31 | | Sun | Data storage, experimental controls software (SPEC/EPICS), standard beamline software (matlab, etc.), networking, controls computing support, distributed scoreboards, operations printers. Also stand alone capital equipment. (Other than partner projects) |
| | XR_3.2 | | U553813-XR32 | Sun | Fabrication labor and materials for things essential to IT/Computing (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| Cryogenics | | | | | |
| | XR_4.1 | U553804-XR41 | | Sabol | Liquid helium, liquid nitrogen supply only; not cryocoolers. |
| | XR_4.2 | | U553814-XR42 | Sabol | Fabrication labor and materials for things essential to Cryogenics (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| Engineering, Design, & Fabrication | | | | | |
| | XR_5.1 | U553805-XR51 | | O'Connell | Engineering effort including design, shop drawings, ANSYS analysis, machining and assembly of such. Computing hardware and support of engineering activities. Also stand alone capital equipment. (Other than partner projects) |
| | XR_5.2 | | U553815-XR52 | O'Connell | Fabrication labor and materials for things essential to Engineering, Design, & Fabrication (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| | XR_5.2.1 | | U553815-XR521 | O'Connell | Fabrication labor and materials for Standard Optical Table Build/Refurbish. |
| Electronics & Instrumentation | | | | | |
| | XR_6.1 | U553806-XR61 | | Barley | Includes CLASSE electronics shop repair , maintenance, assembly, testing, and design/development of CHESS electronics chassis, cabling, and circuit boards. Also stand alone capital equipment. (Other than partner projects) |
| | XR_6.2 | | U553816-XR62 | Barley | Fabrication labor and purchases for things essential to Electronics & Instrumentation (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |
| Facilities, Utilities, General Ops, and Safety | | | | | |
| | XR_7.1 | U553807-XR71 | | Gallagher | CHESS Electrical, fire safety, plumbing , compressed air. Also stand alone capital equipment. (Other than partner projects) |
| | XR_7.2 | | U553817-XR72 | Gallagher | Fabrication labor and materials for things essential to Facilities, Utilities, General Ops, and Safety (defined above) that increase performance, reliability, or value. Labor and purchases for replacement or maintenance items ARE NOT fabrication. |

